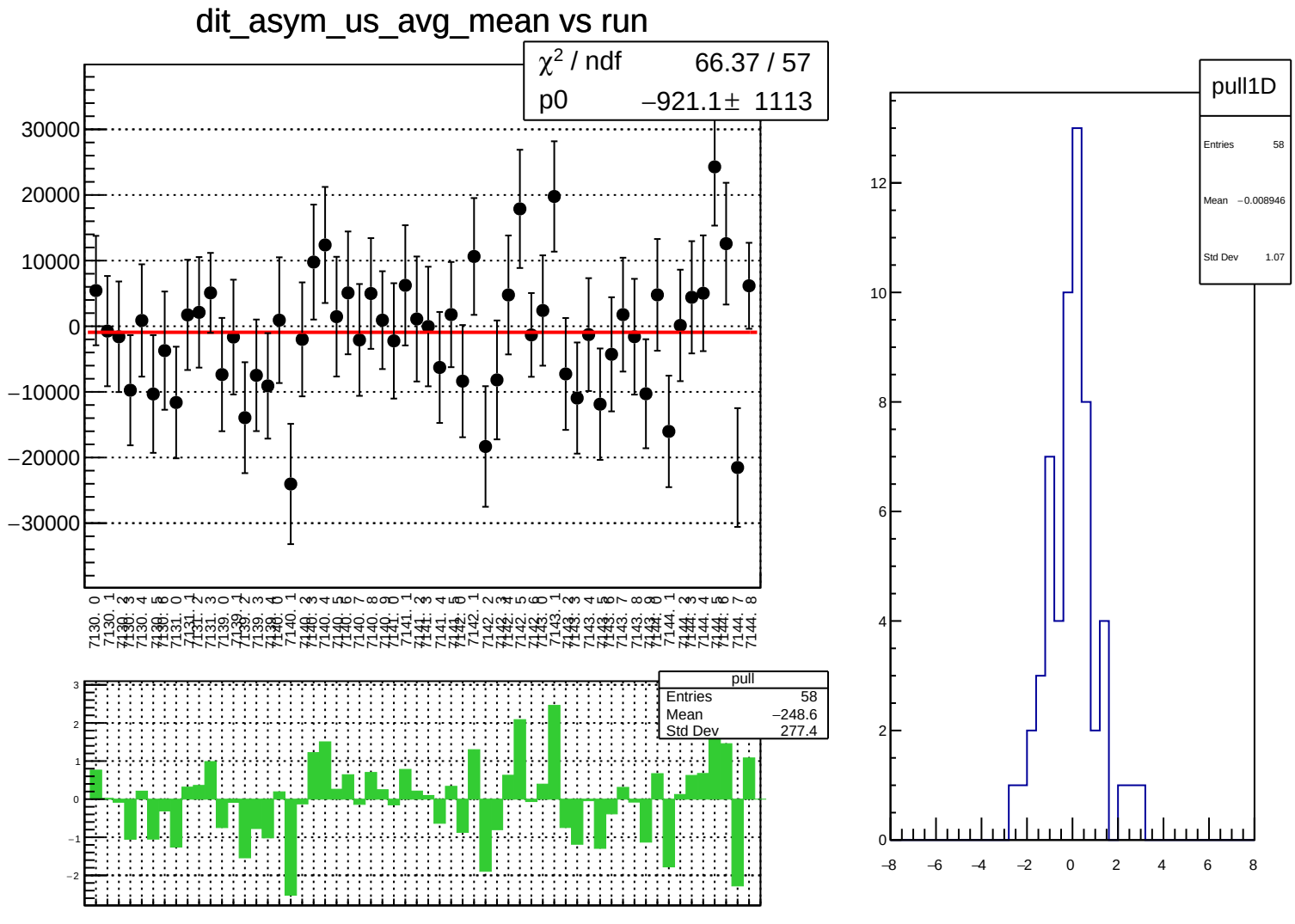
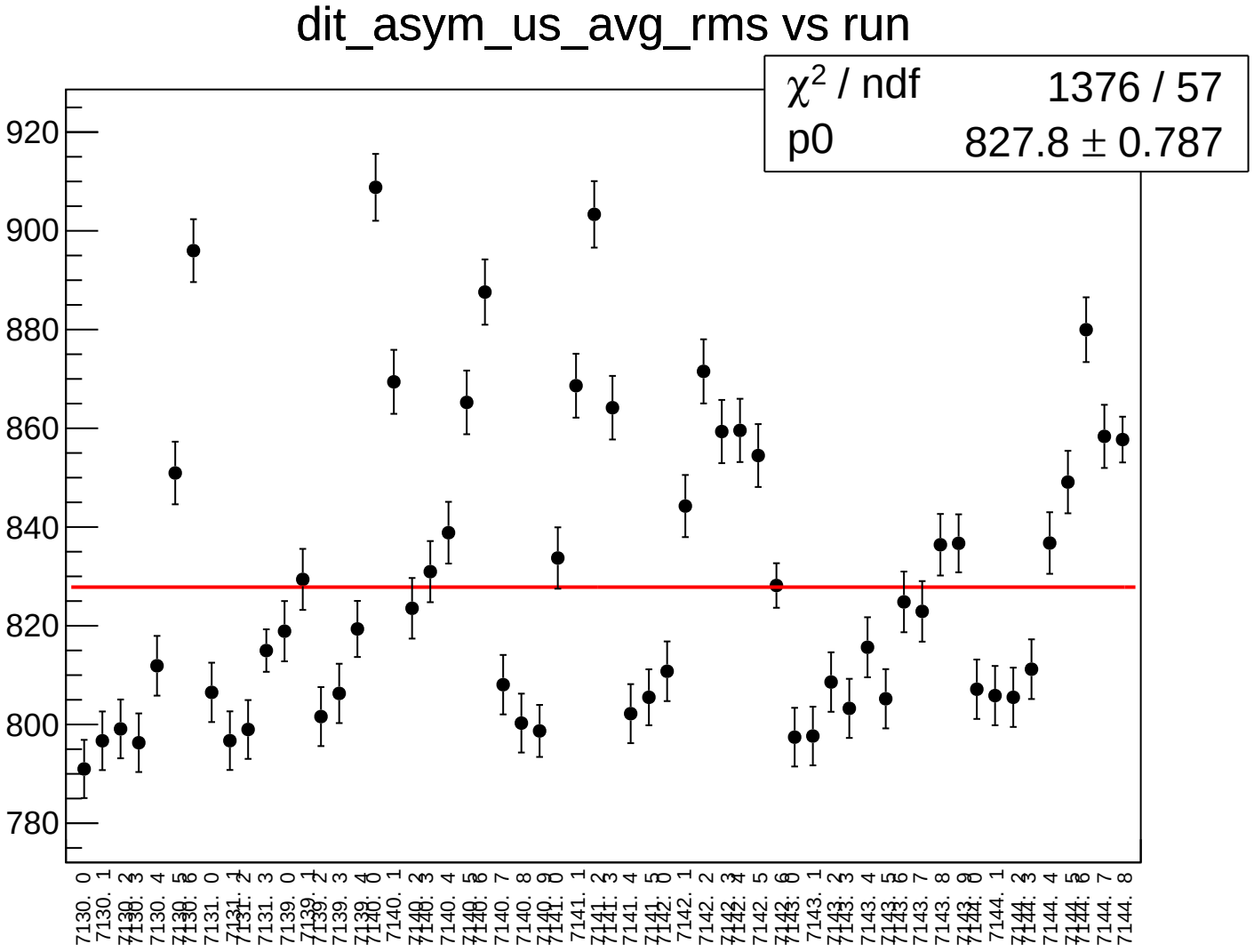
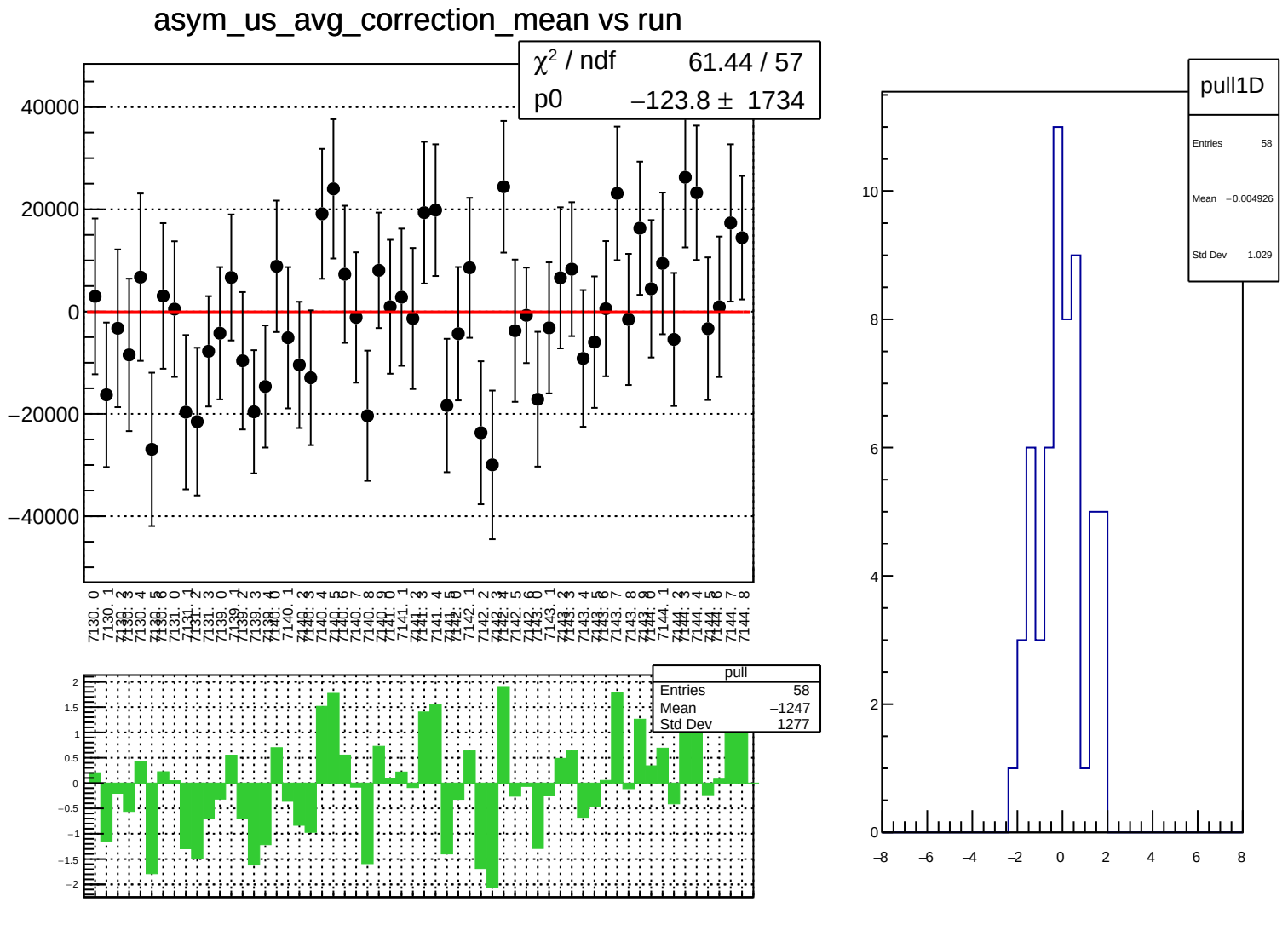
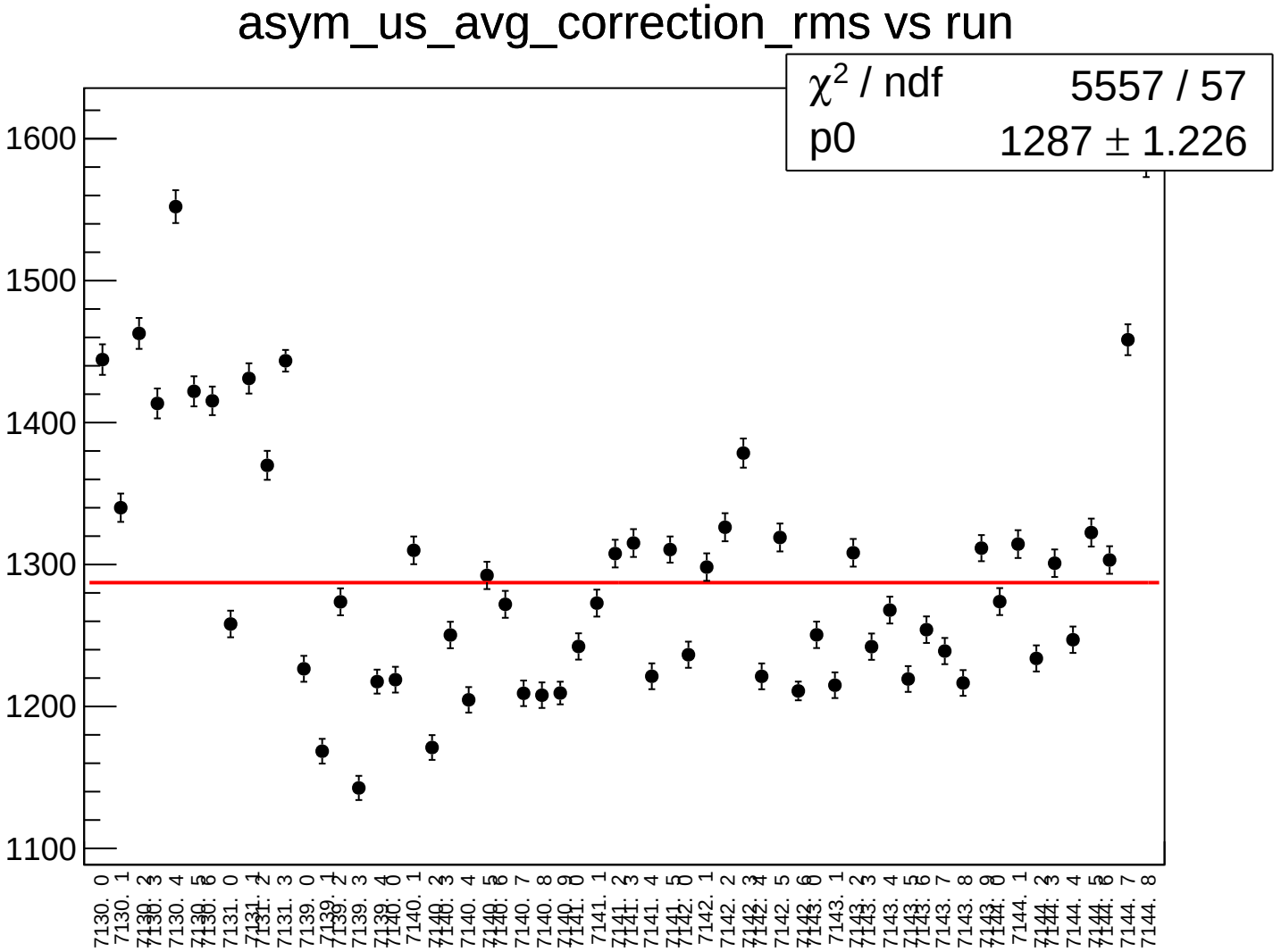
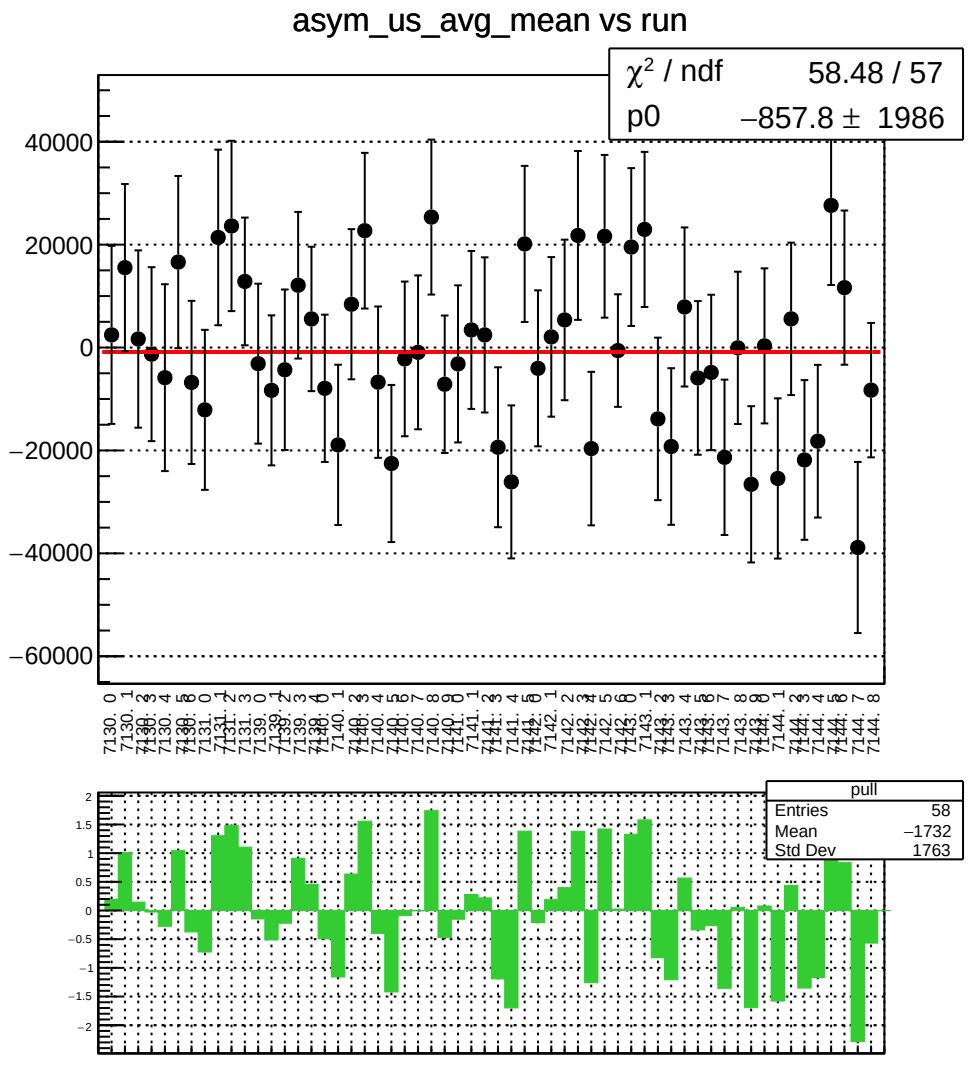
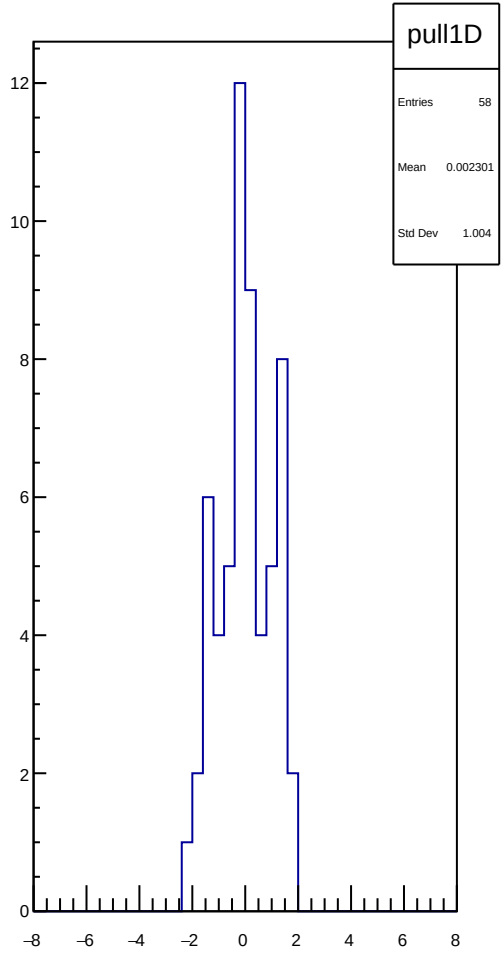

dit_asym_us_avg_mean vs run
χ² / ndf 66.37 / 57
p0 −921.1± 1113
pull
Entries 58
Mean −248.6
Std Dev 277.4
pull1D
Entries 58
Mean −0.008946
Std Dev 1.07

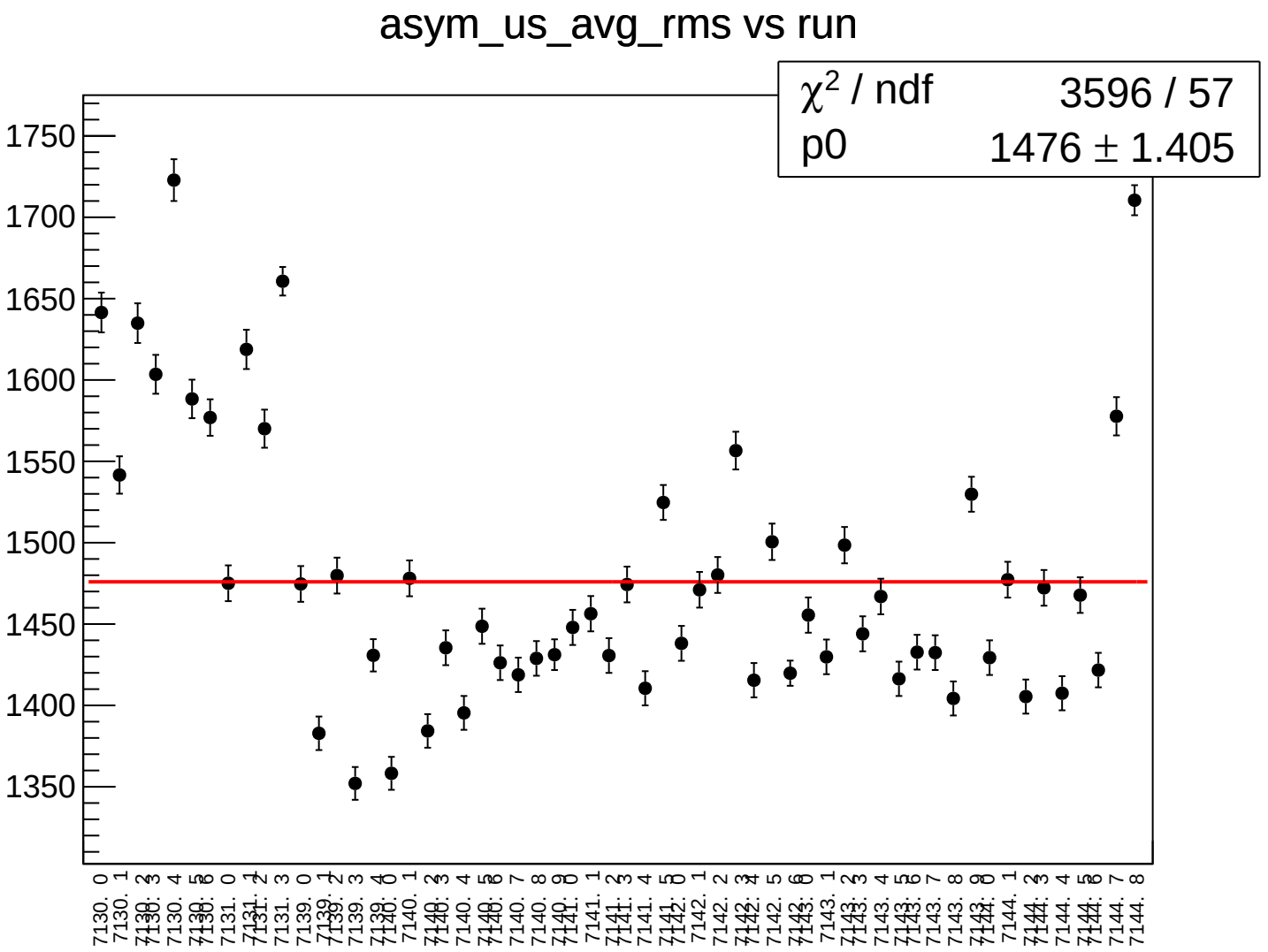

dit_asym_us_avg_rms vs run
χ² / ndf 1376 / 57
p0 827.8 ± 0.787
920
900
880
860
840
820
800
780

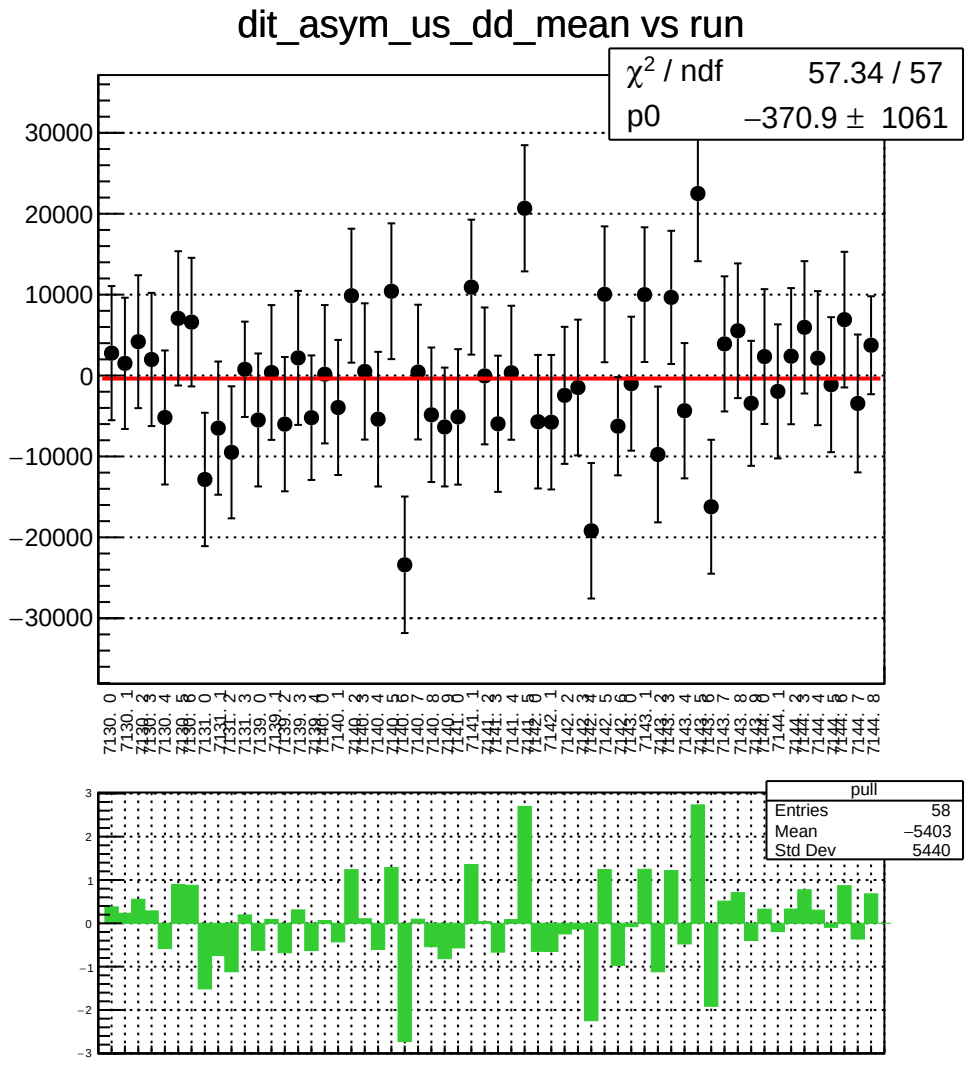

asym_us_avg_correction_mean vs run
χ² / ndf 61.44 / 57
p0 −123.8 ± 1734
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −1247
Std Dev 1277
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean −0.004926
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

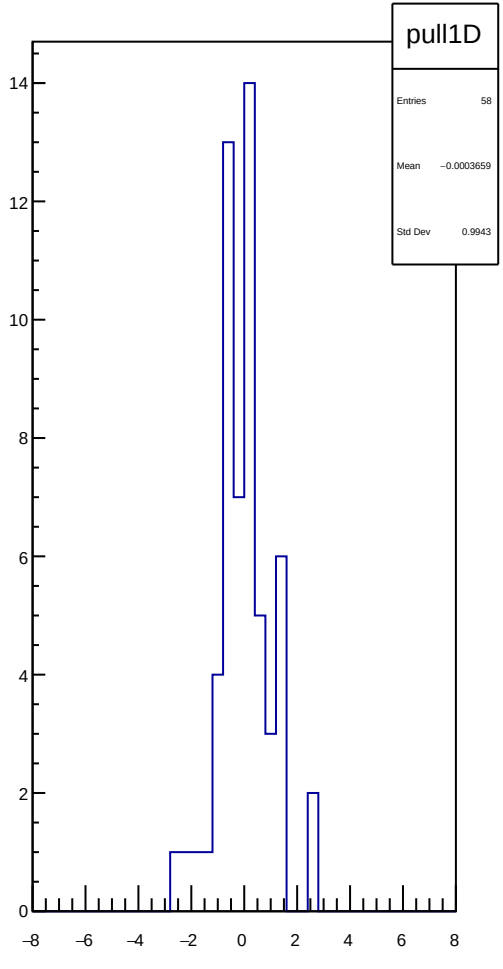

asym_us_avg_correction_rms vs run
χ^2 / ndf 5557 / 57
p0 1287 ± 1.226
1600
1500
1400
1300
1200
1100

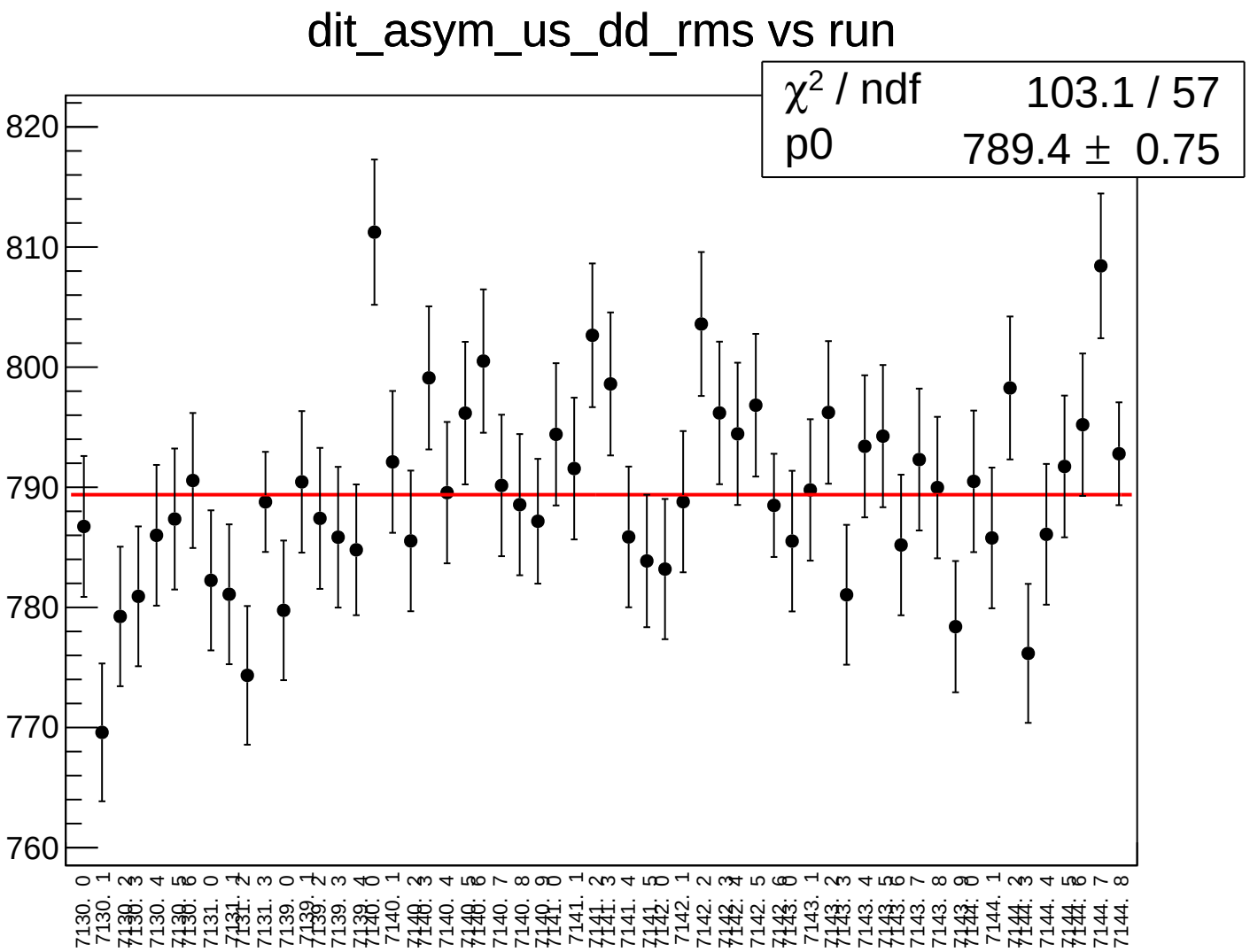

asym_us_avg_mean vs run
χ² / ndf 58.48 / 57
p0 −857.8 ± 1986
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean −1732
Std Dev 1763
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

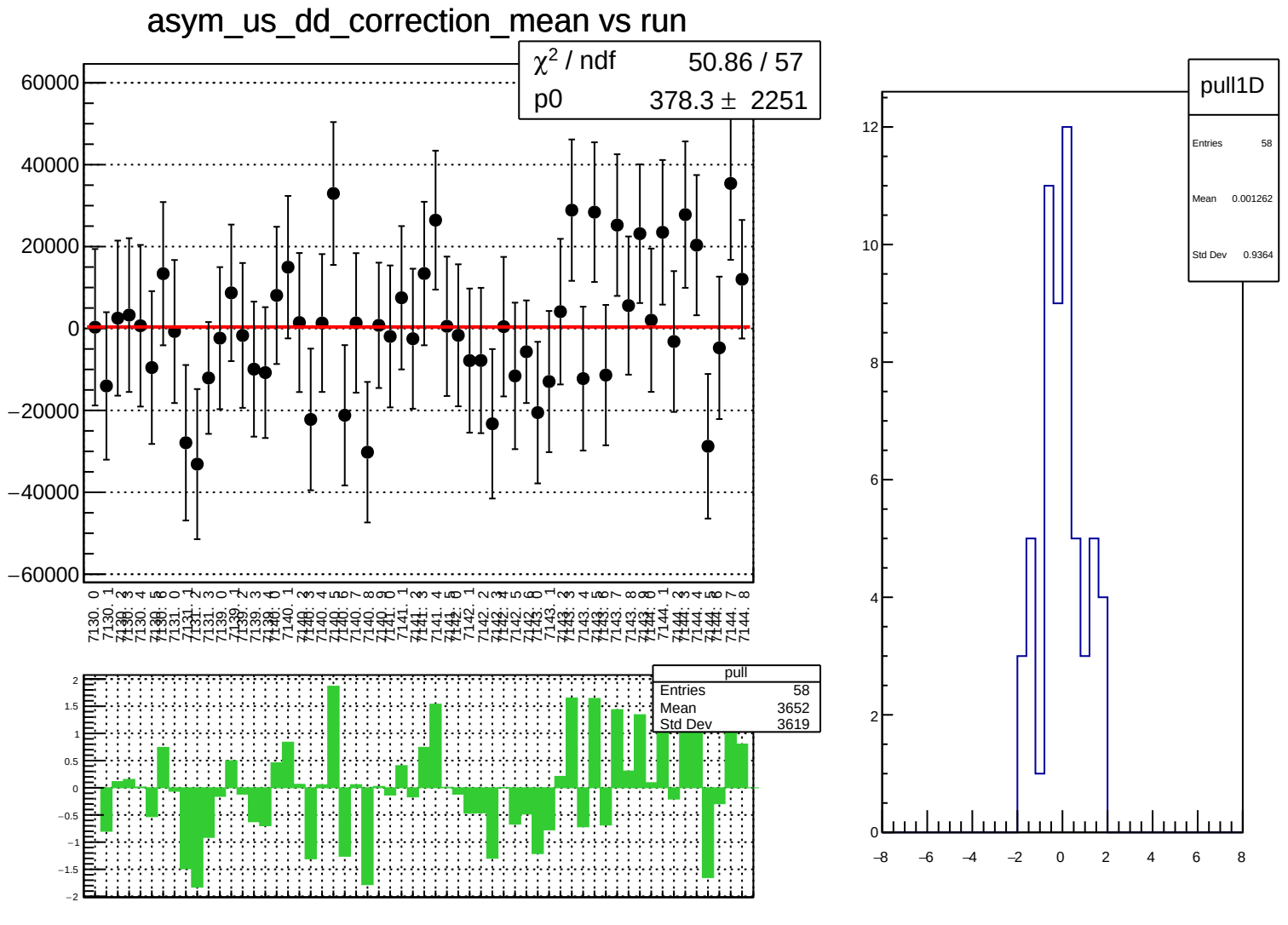

pull1D
Entries 58
Mean 0.002301
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

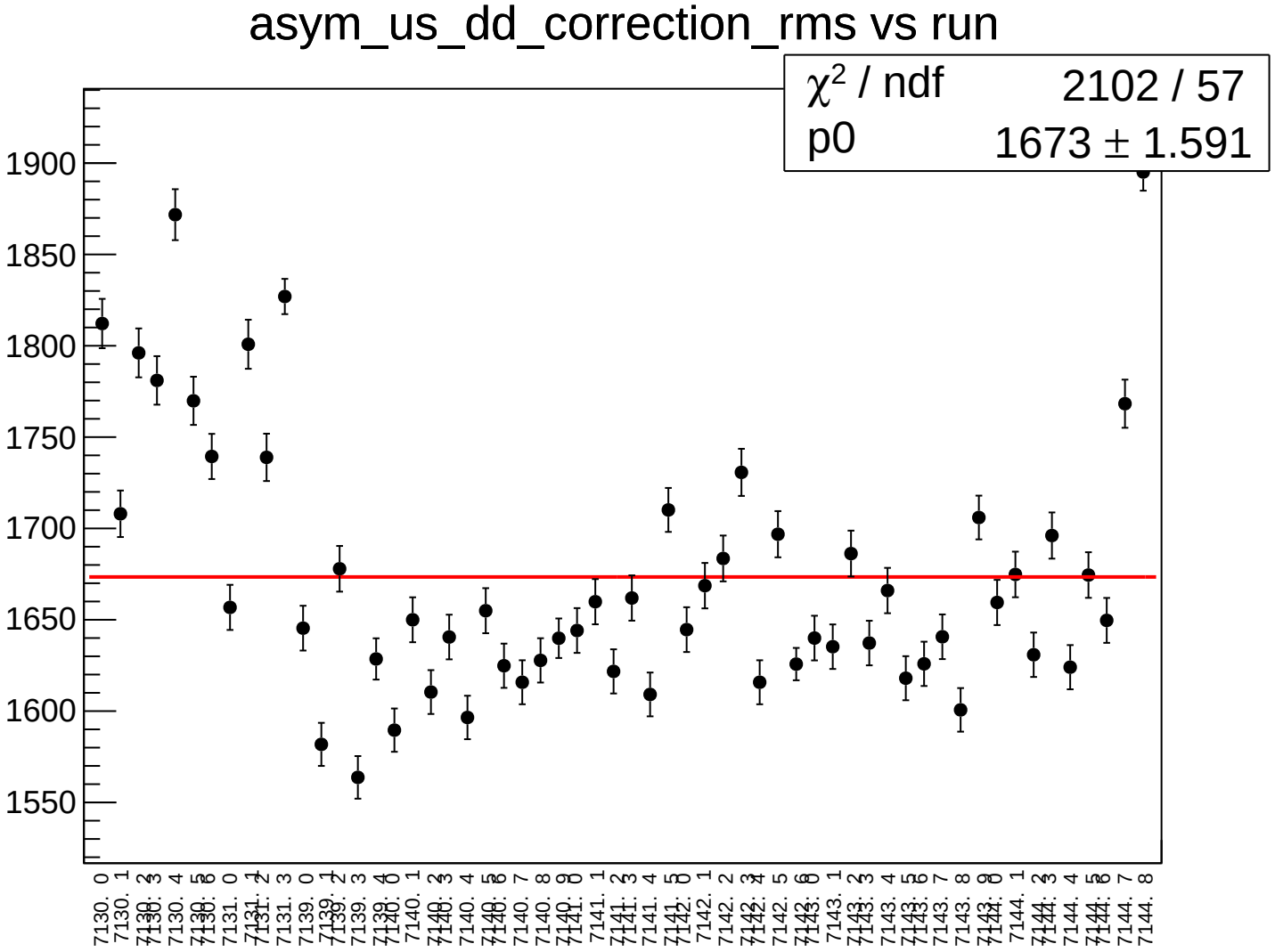

asym_us_avg_rms vs run
χ² / ndf 3596 / 57
p0 1476 ± 1.405
1750
1700
1650
1600
1550
1500
1450
1400
1350

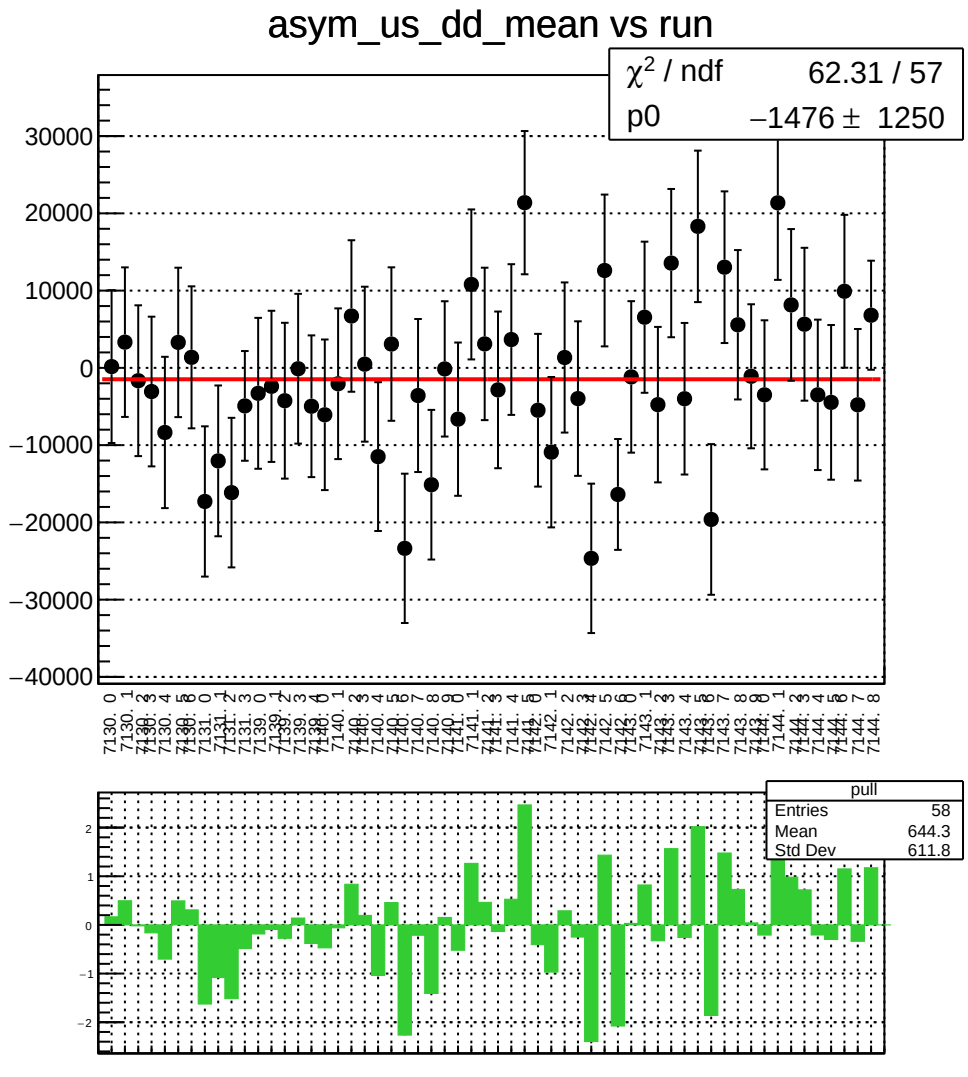

dit_asym_us_dd_mean vs run
χ² / ndf 57.34 / 57
p0 −370.9 ± 1061
pull
Entries 58
Mean −5403
Std Dev 5440

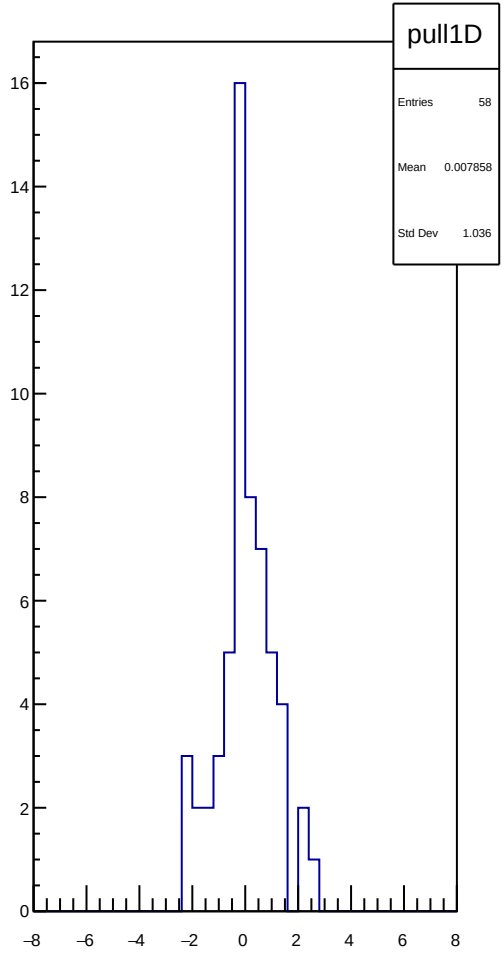

pull1D
Entries 58
Mean −0.0003659
Std Dev 0.9943

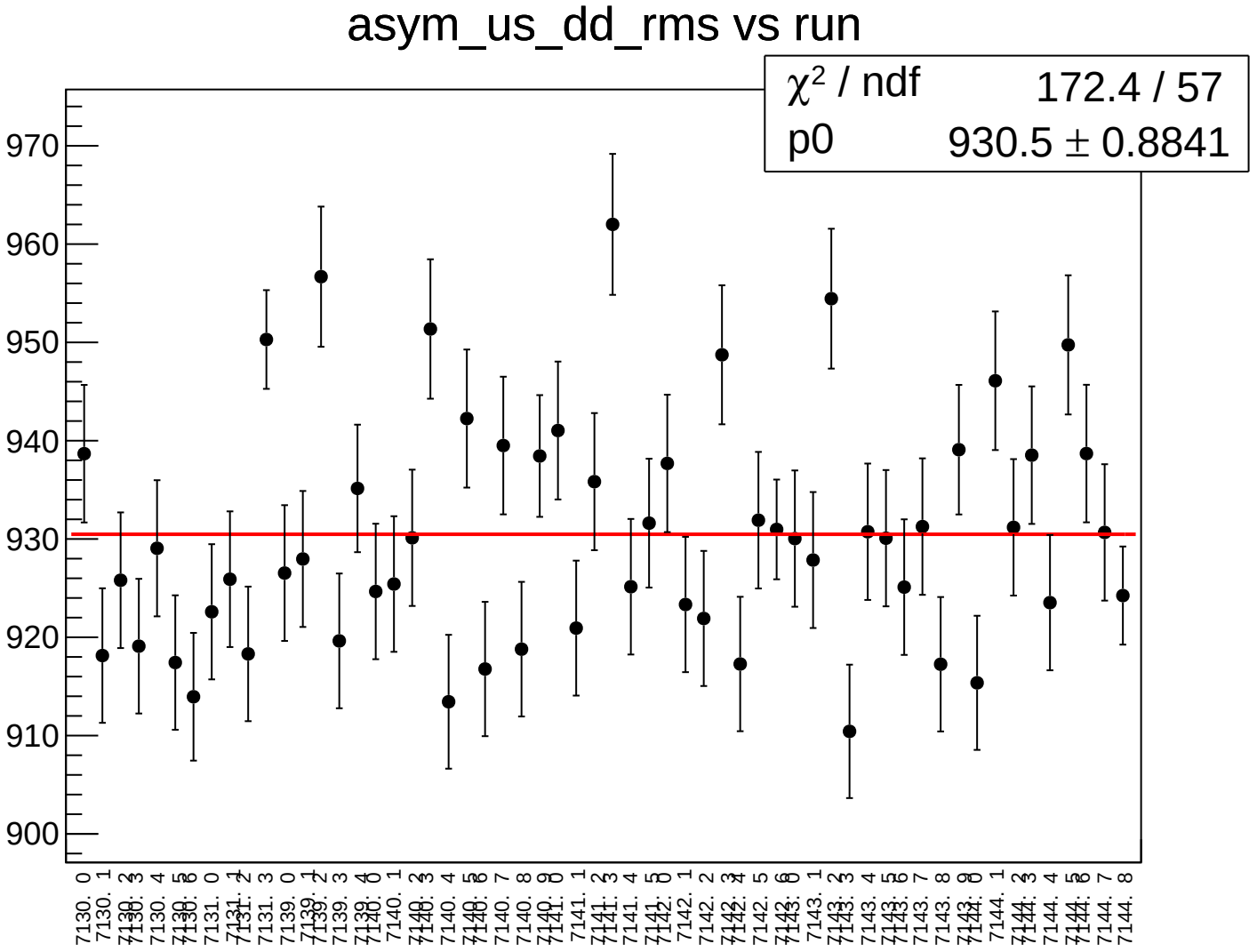

dit_asym_us_dd_rms vs run
χ² / ndf 103.1 / 57
p0 789.4 ± 0.75
820
810
800
790
780
770
760

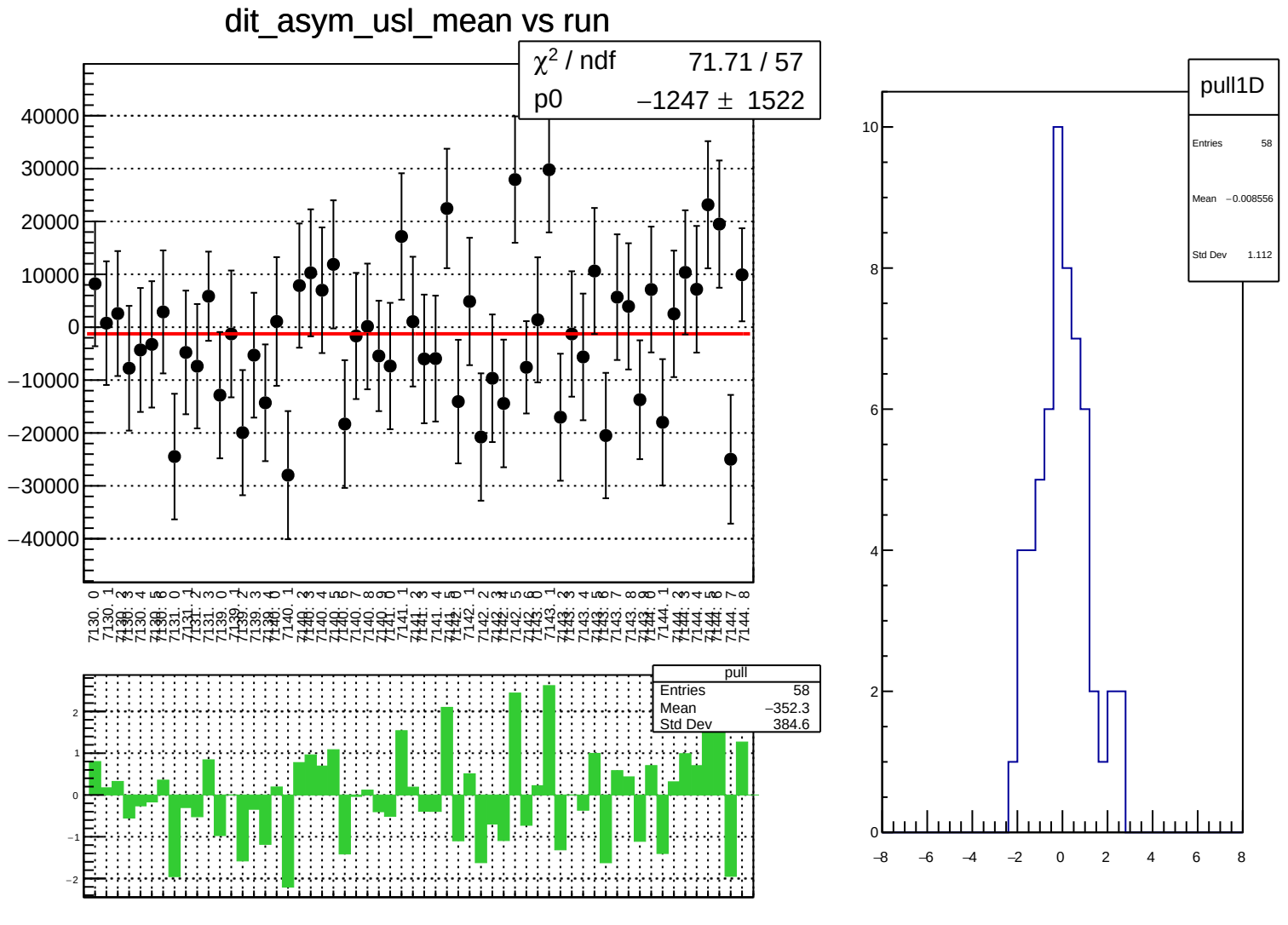

asym_us_dd_correction_mean vs run
χ² / ndf 50.86 / 57
p0 378.3 ± 2251
pull
Entries 58
Mean 3652
Std Dev 3619
pull1D
Entries 58
Mean 0.001262
Std Dev 0.9364

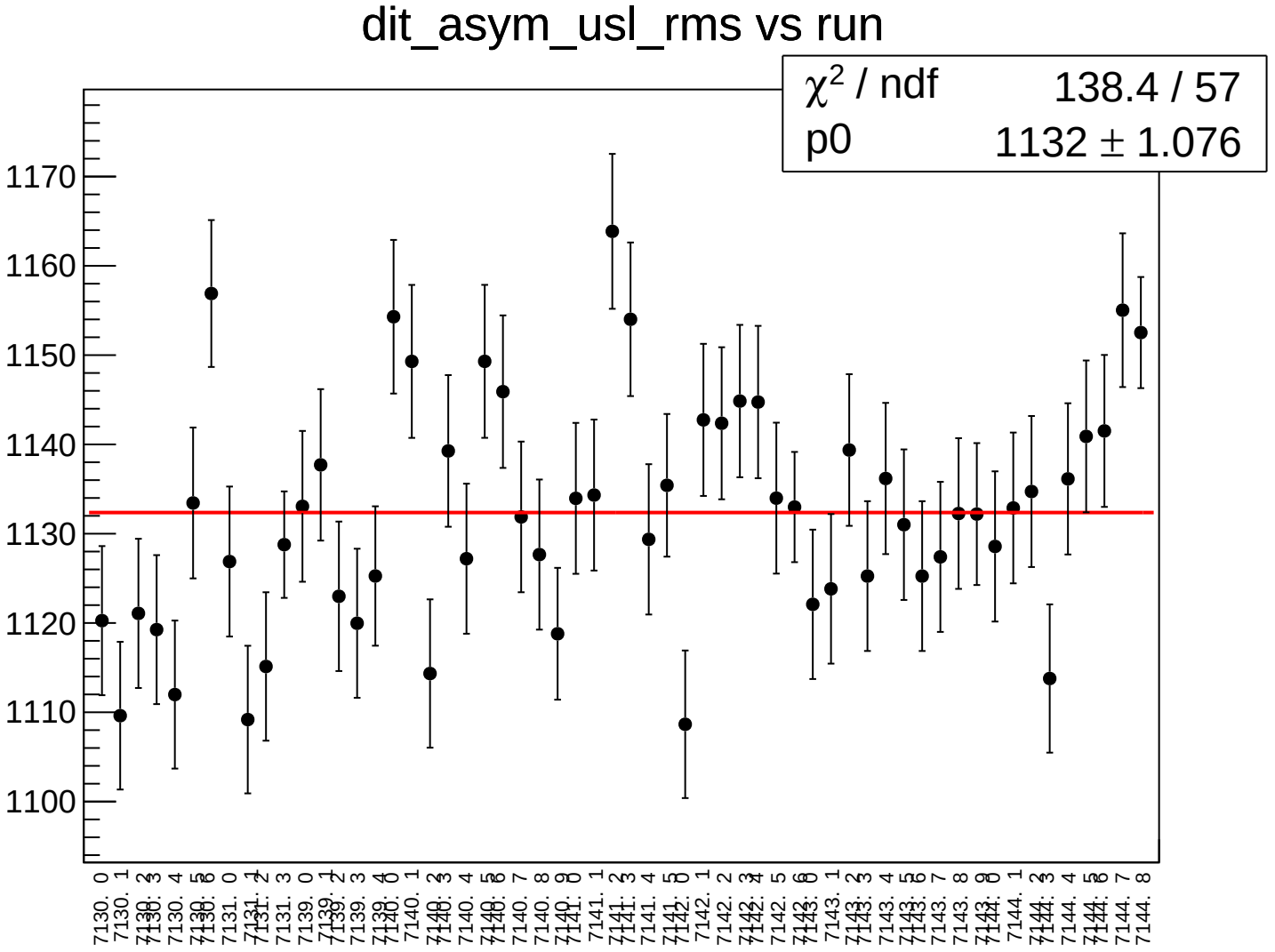

asym_us_dd_correction_rms vs run
χ^2 / ndf 2102 / 57
p0 1673 ± 1.591
1900
1850
1800
1750
1700
1650
1600
1550

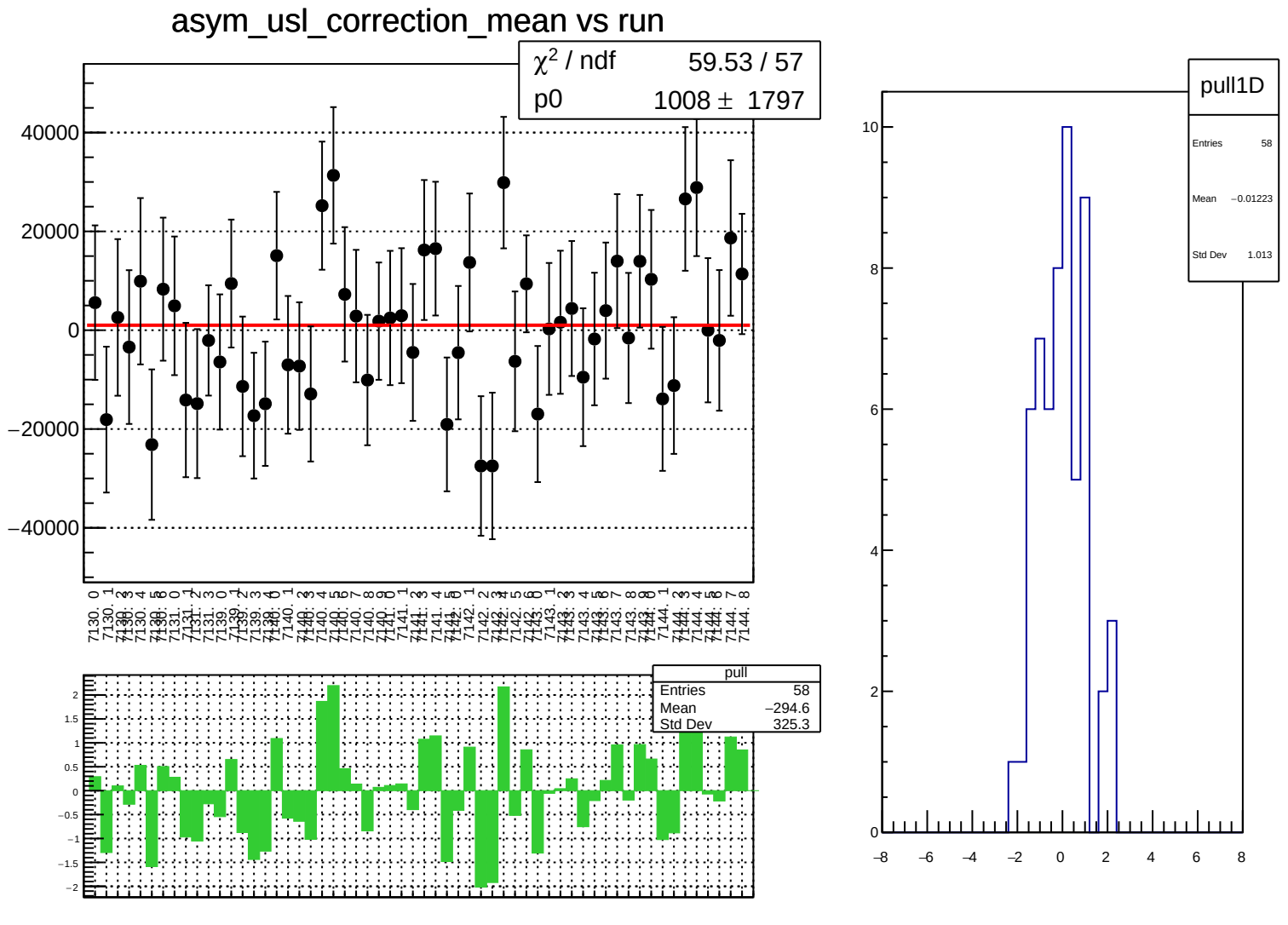

asym_us_dd_mean vs run
χ^2 / ndf 62.31 / 57
p0 −1476 ± 1250
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 58
Mean 644.3
Std Dev 611.8
2
1
0
−1
−2


pull1D
Entries 58
Mean 0.007858
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

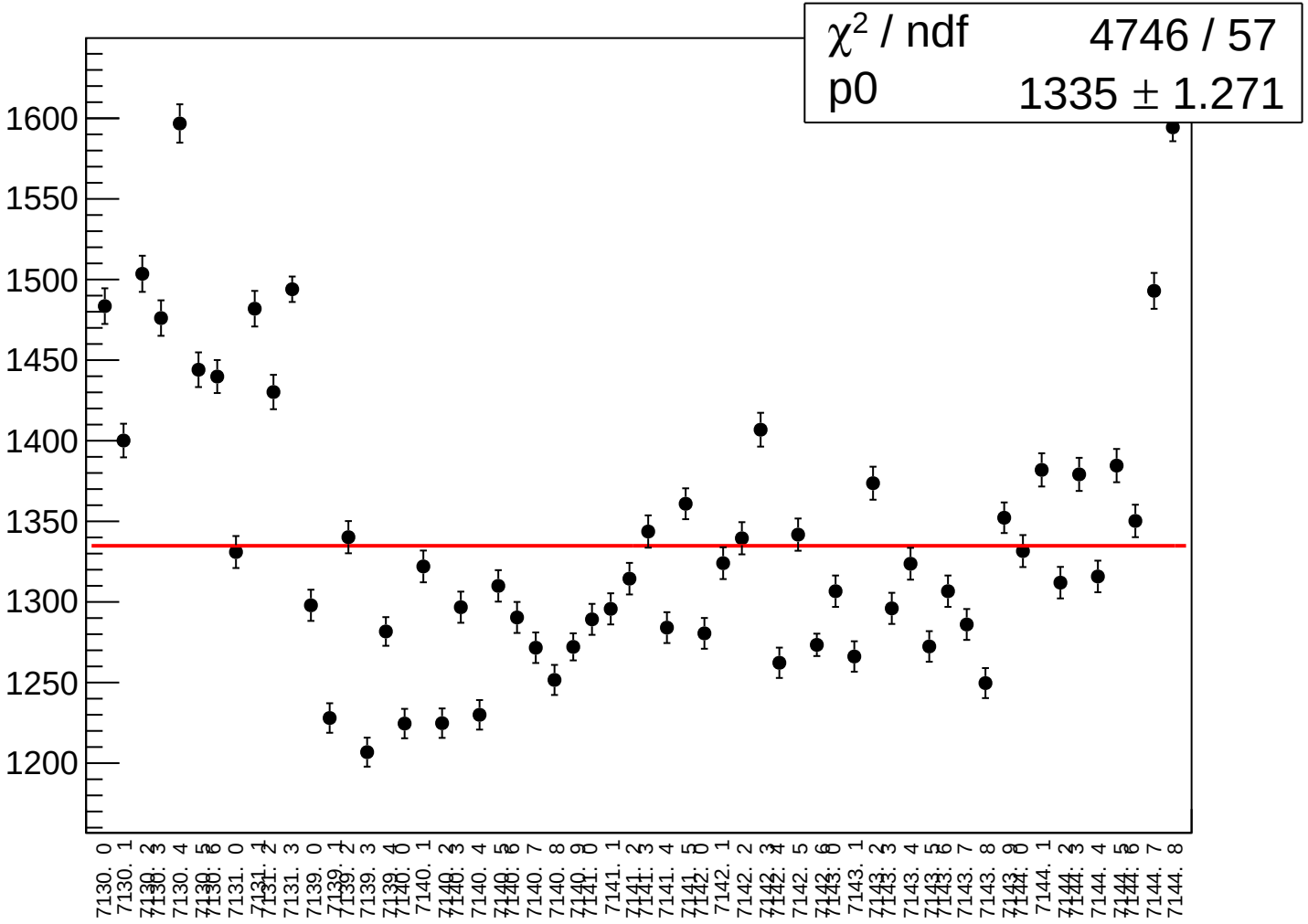

asym_us_dd_rms vs run
χ² / ndf 172.4 / 57
p0 930.5 ± 0.8841
970
960
950
940
930
920
910
900

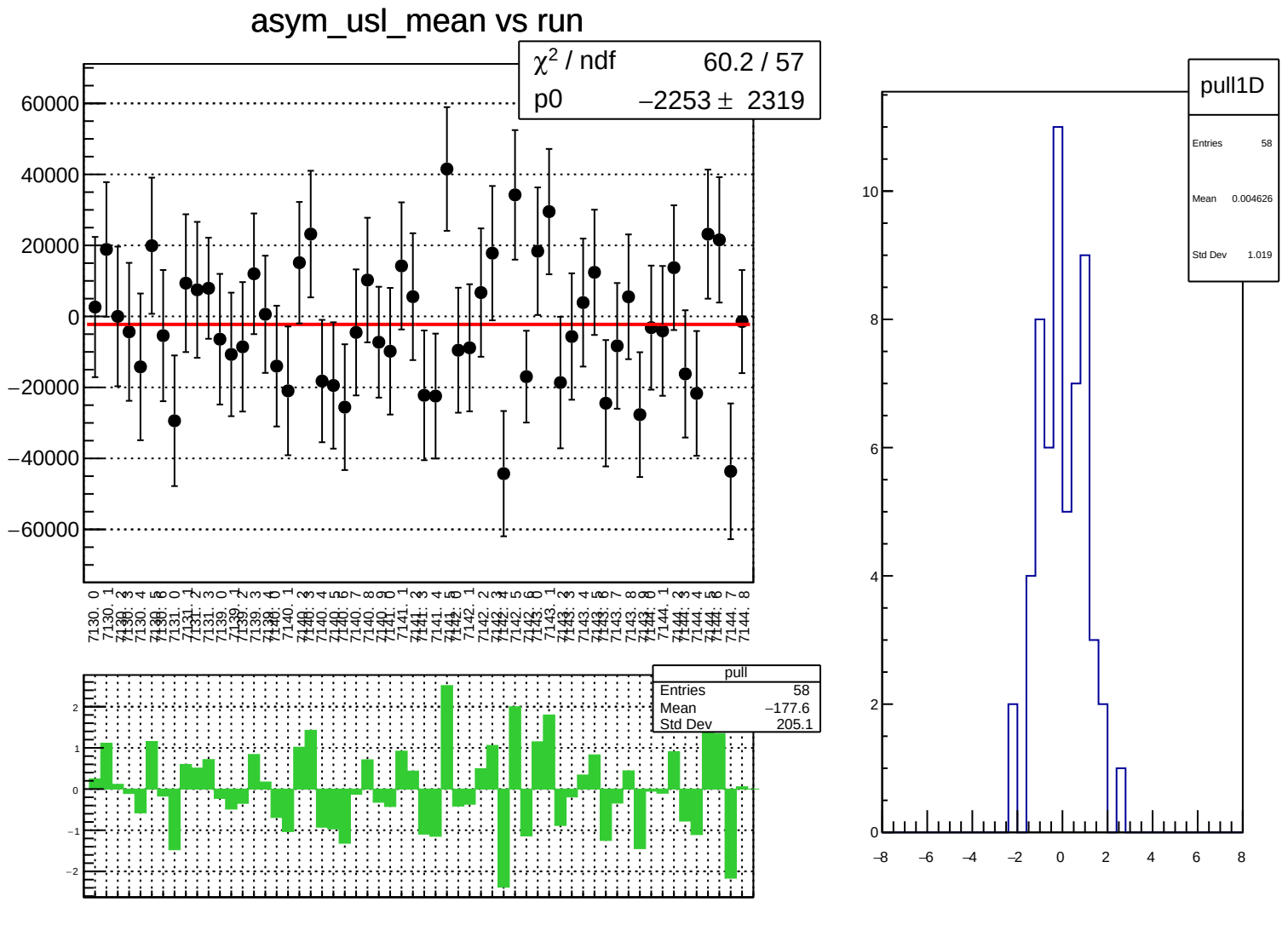

dit_asym_usl_mean vs run
χ² / ndf 71.71 / 57
p0 −1247 ± 1522
pull
Entries 58
Mean −352.3
Std Dev 384.6
pull1D
Entries 58
Mean −0.008556
Std Dev 1.112

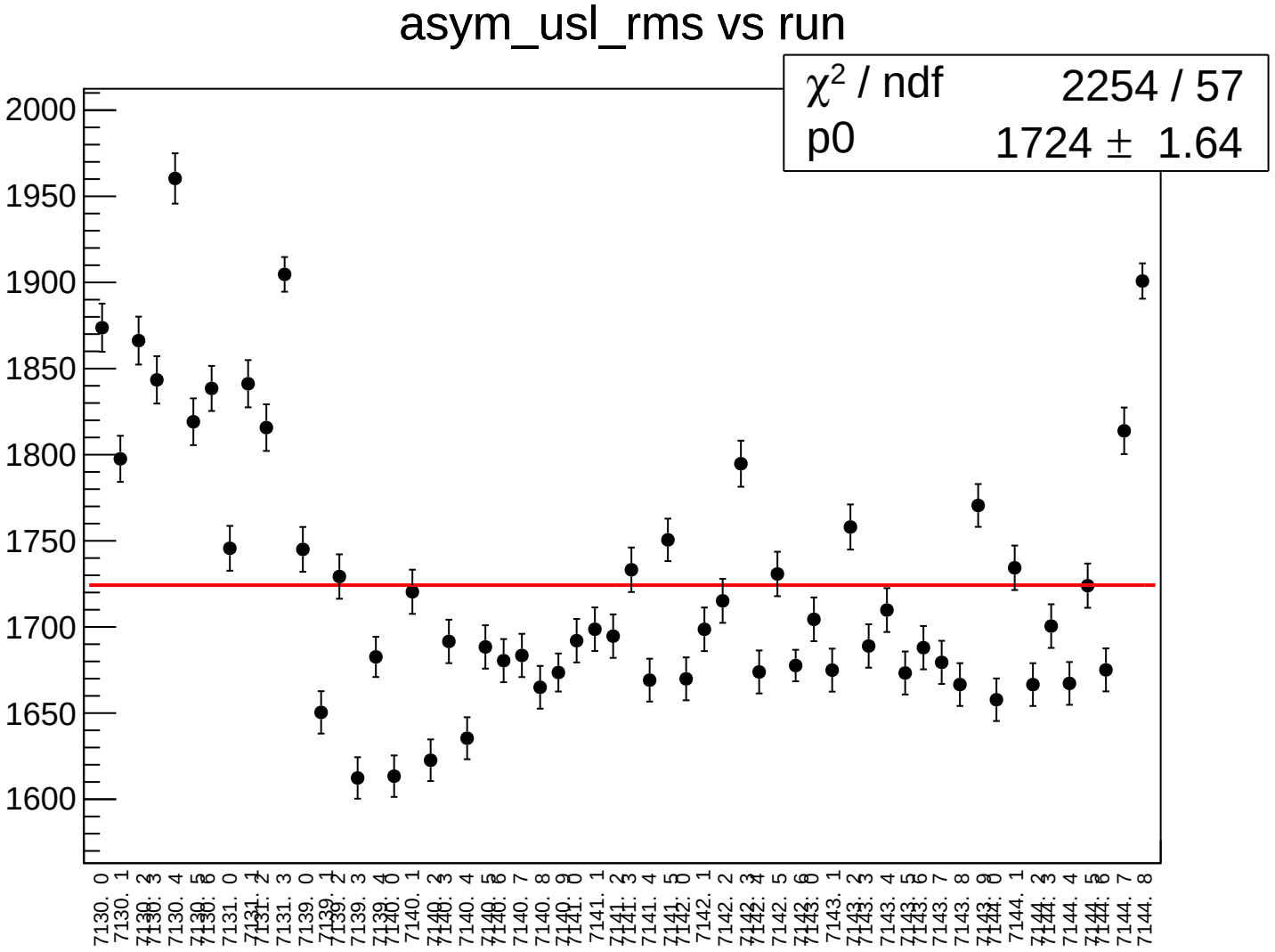

dit_asym_usl_rms vs run
χ2 / ndf 138.4 / 57
p0 1132 ± 1.076
1170
1160
1150
1140
1130
1120
1110
1100

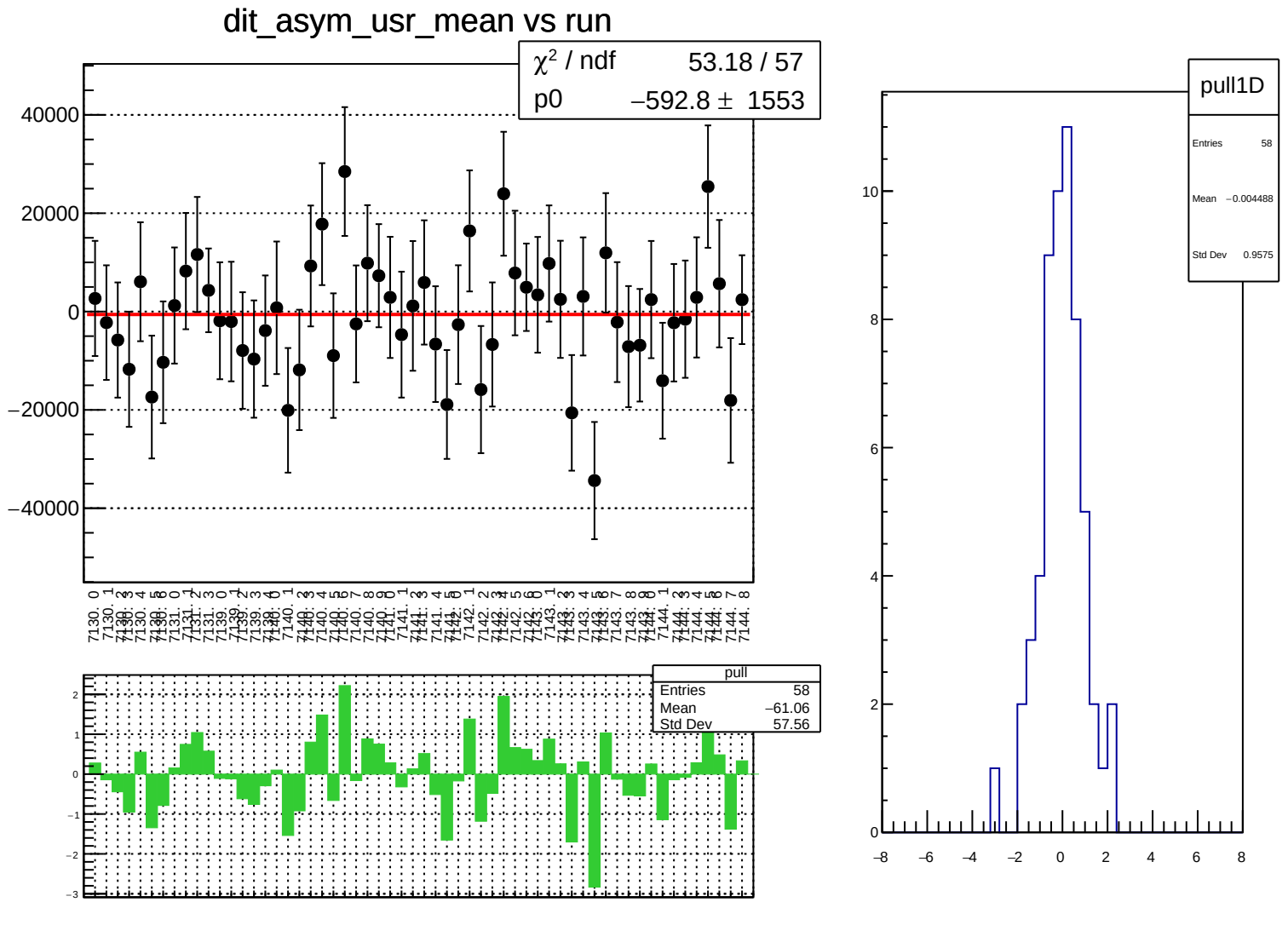

asym_usl_correction_mean vs run
χ² / ndf 59.53 / 57
p0 1008 ± 1797
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −294.6
Std Dev 325.3
pull1D
Entries 58
Mean −0.01223
Std Dev 1.013

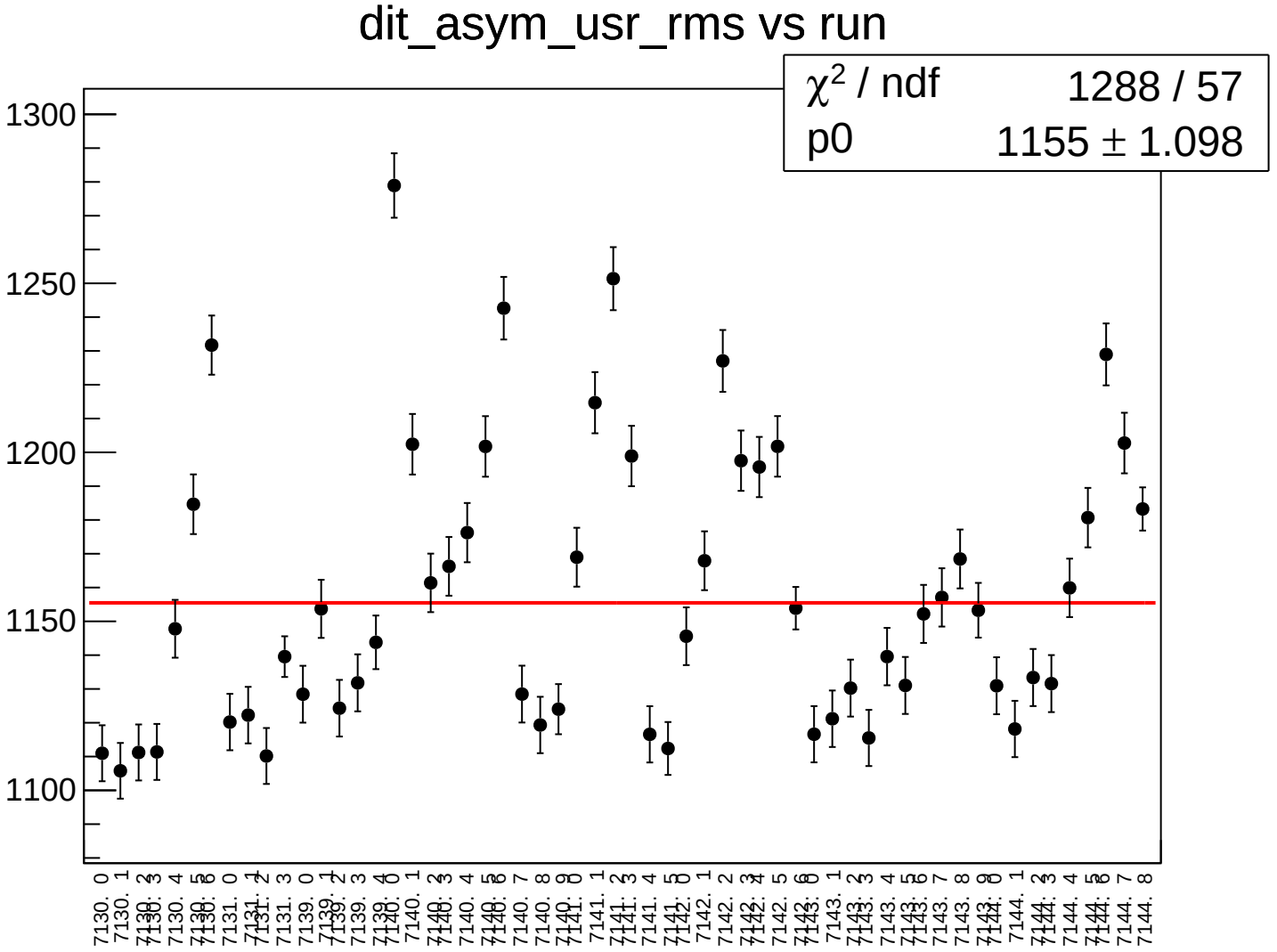
asym_usl_correction_rms vs run

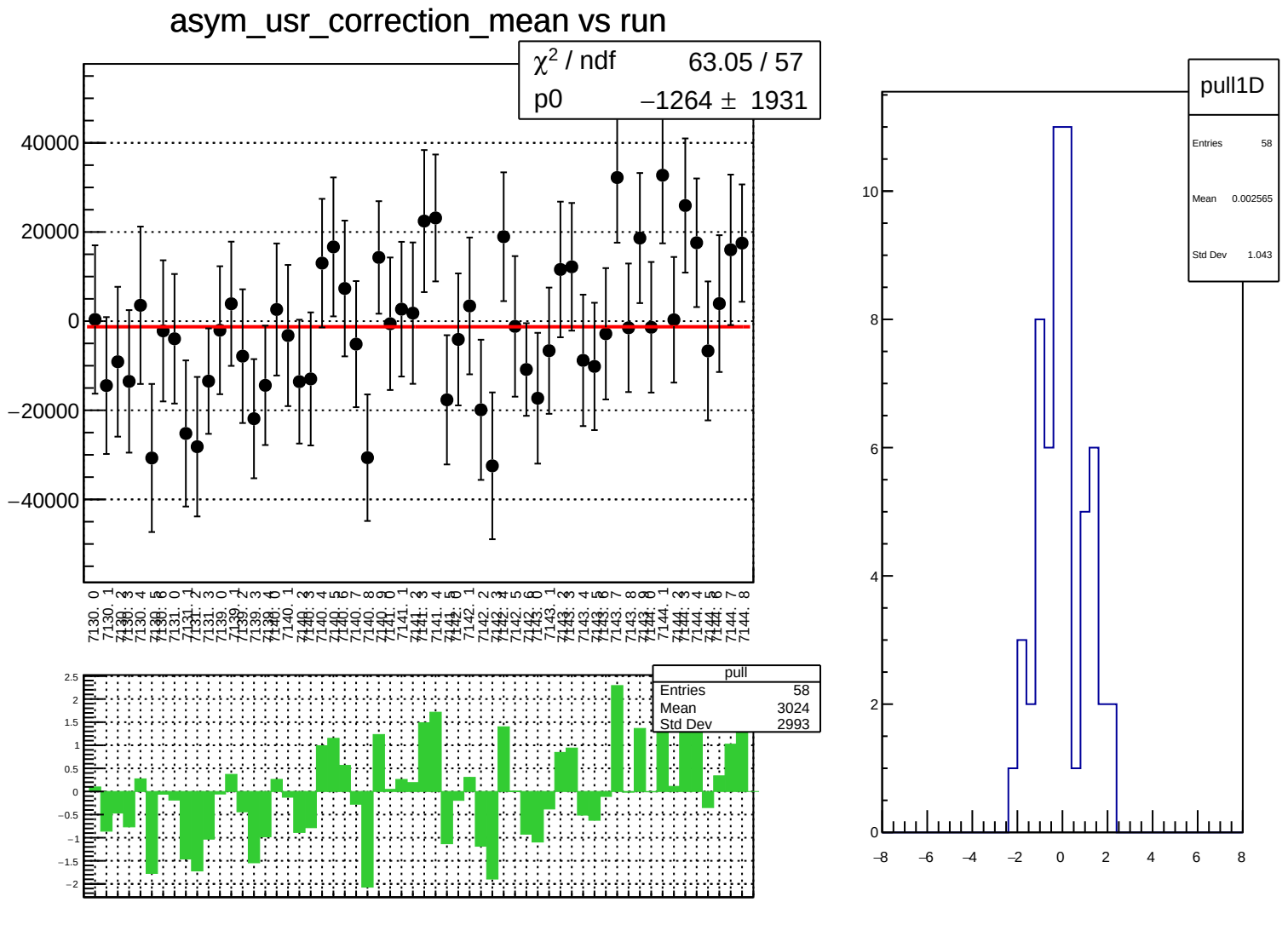


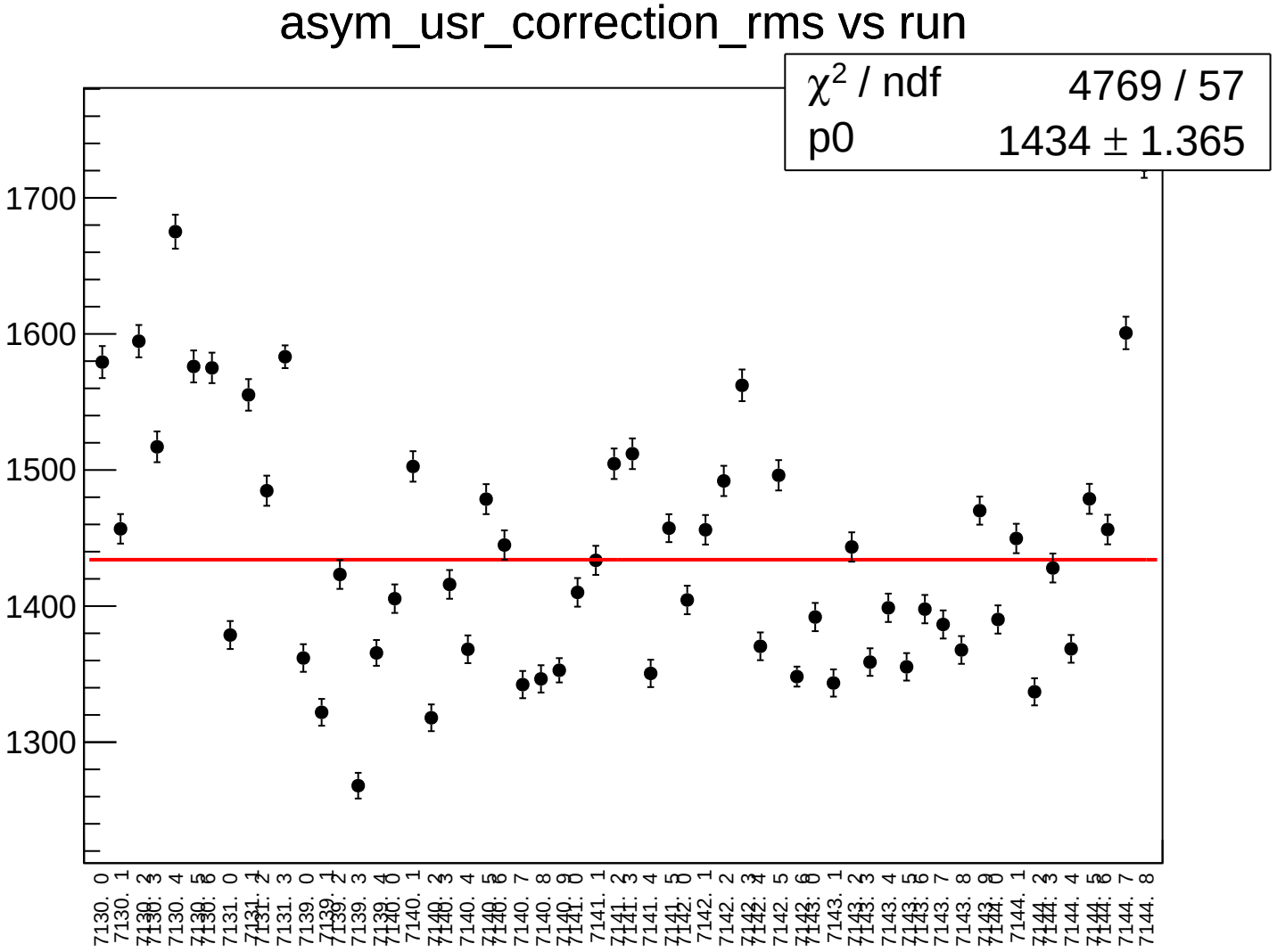

asym_usl_mean vs run
χ² / ndf 60.2 / 57
p0 −2253 ± 2319
pull
Entries 58
Mean −177.6
Std Dev 205.1
pull1D
Entries 58
Mean 0.004626
Std Dev 1.019

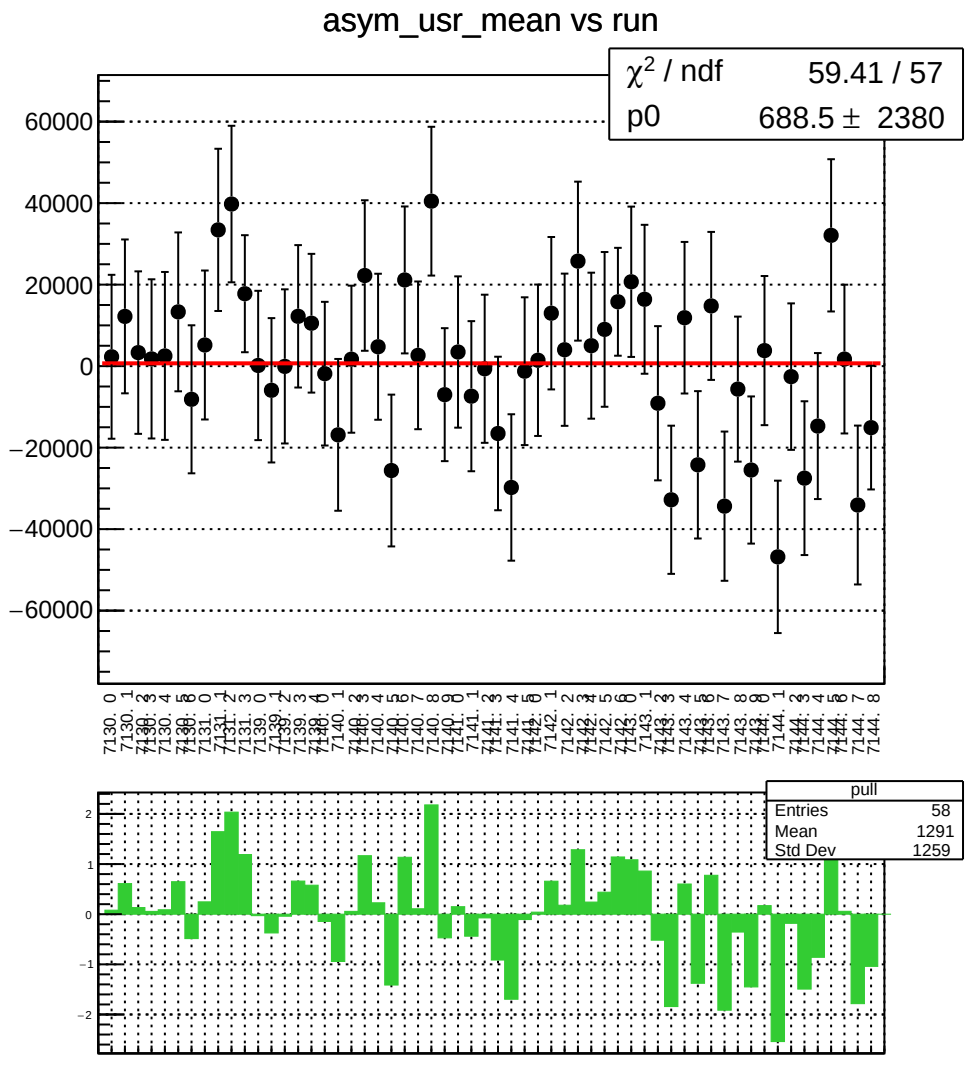

asym_usl_rms vs run
χ² / ndf 2254 / 57
p0 1724 ± 1.64
2000
1950
1900
1850
1800
1750
1700
1650
1600

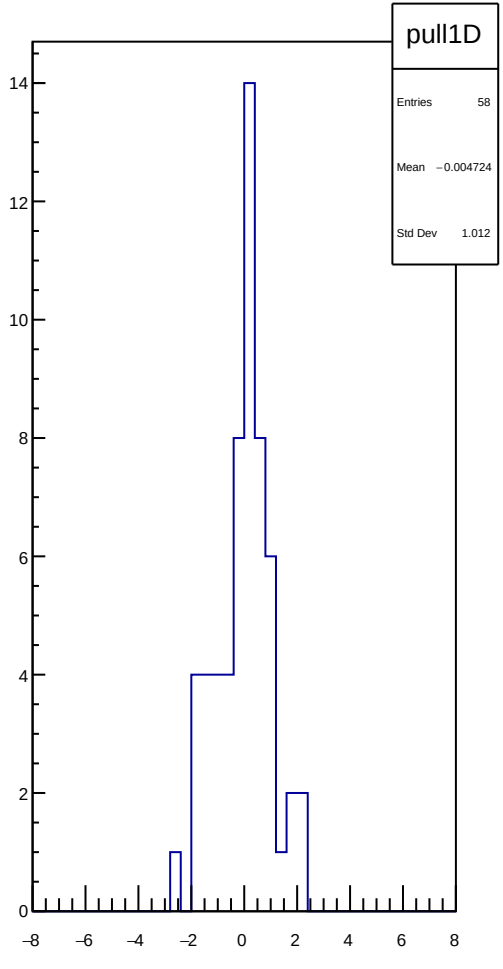

dit_asym_usr_mean vs run
χ² / ndf 53.18 / 57
p0 −592.8 ± 1553
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −61.06
Std Dev 57.56
2
1
0
−1
−2
−3
pull1D
Entries 58
Mean −0.004488
Std Dev 0.9575
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

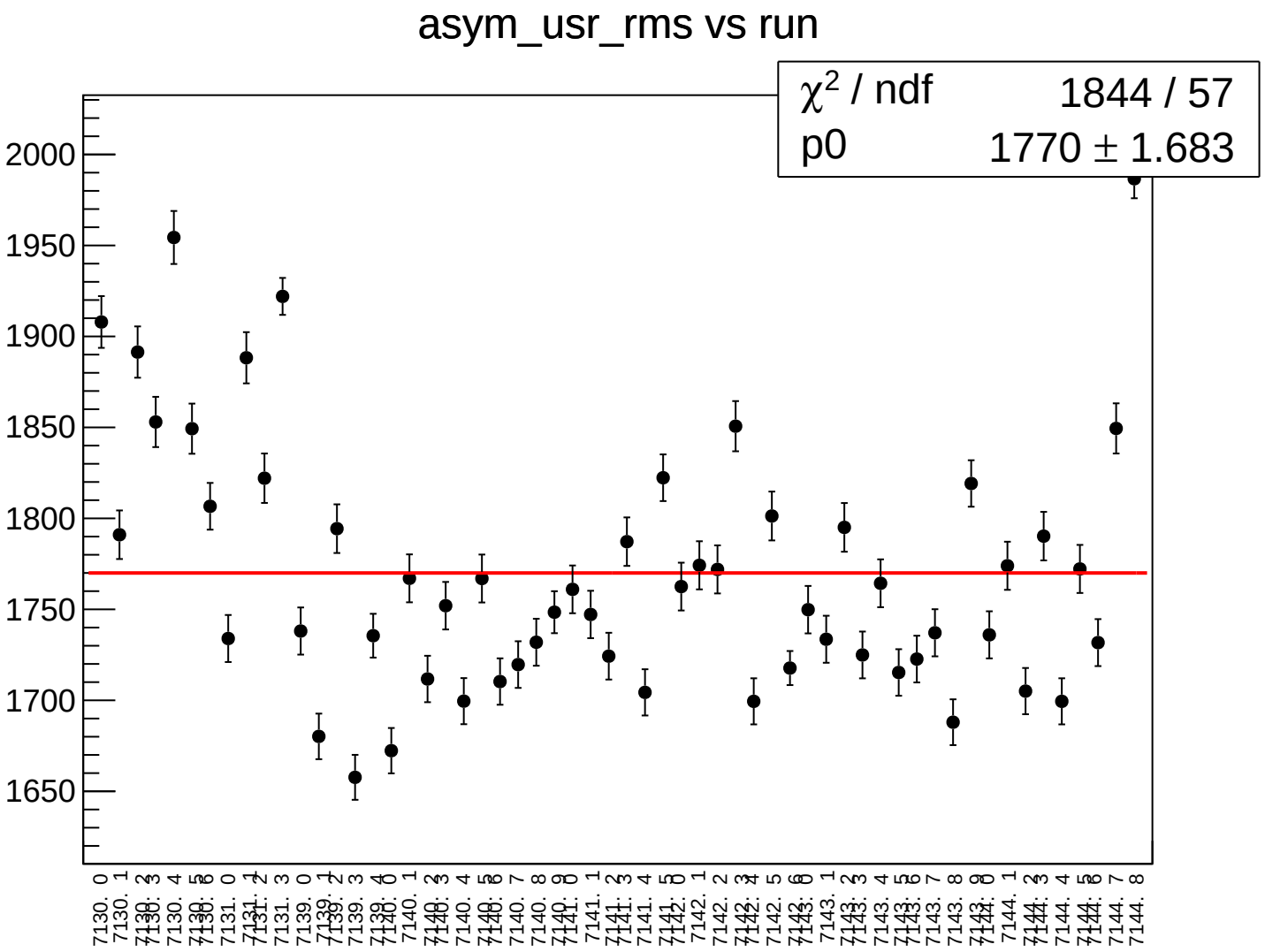

dit_asym_usr_rms vs run
χ² / ndf 1288 / 57
p0 1155 ± 1.098
1300
1250
1200
1150
1100

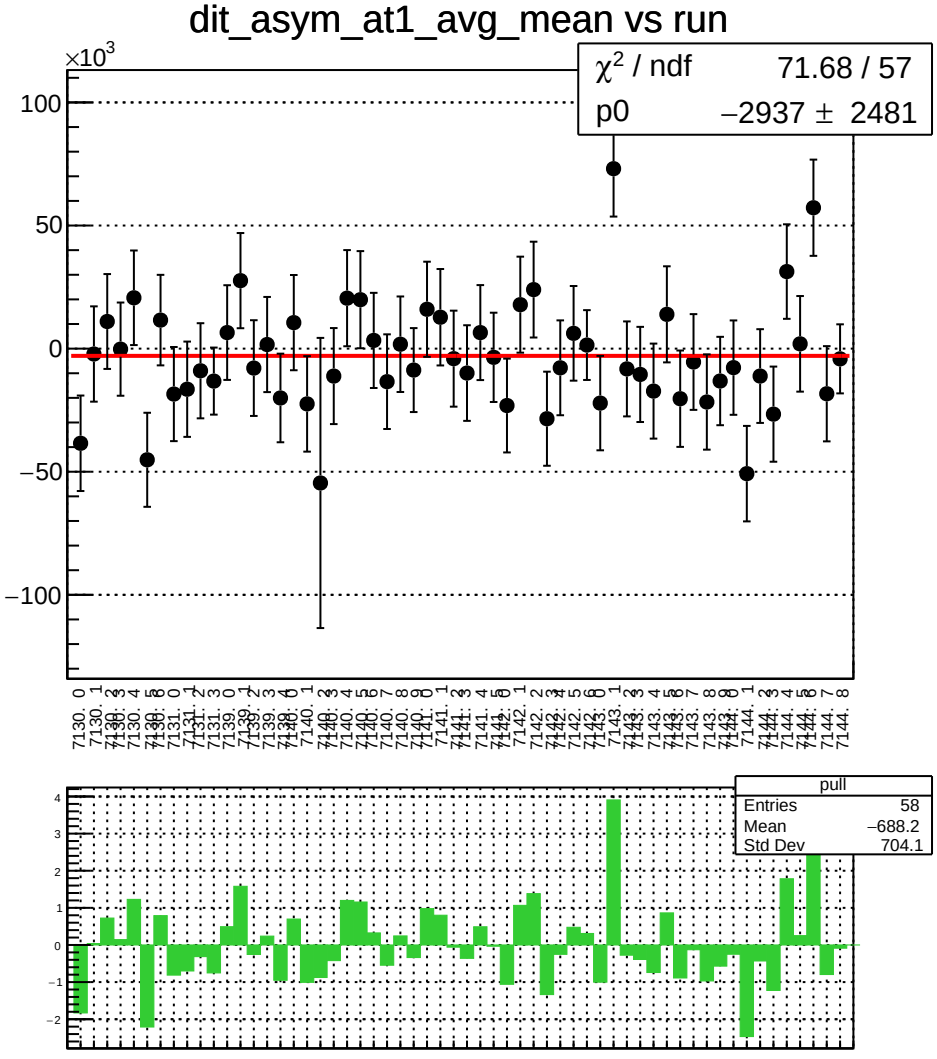

asym_usr_correction_mean vs run
χ² / ndf 63.05 / 57
p0 −1264 ± 1931
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 3024
Std Dev 2993
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean 0.002565
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

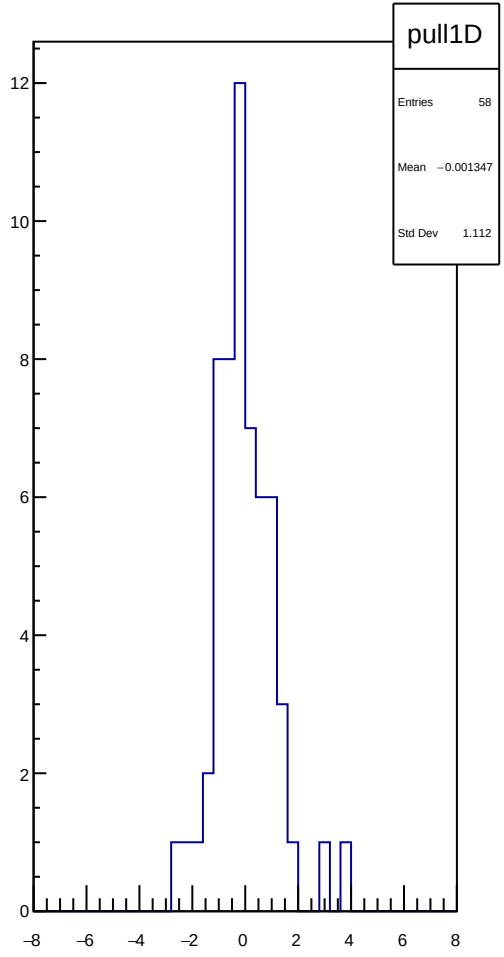

asym_usr_correction_rms vs run
χ² / ndf 4769 / 57
p0 1434 ± 1.365
1700
1600
1500
1400
1300

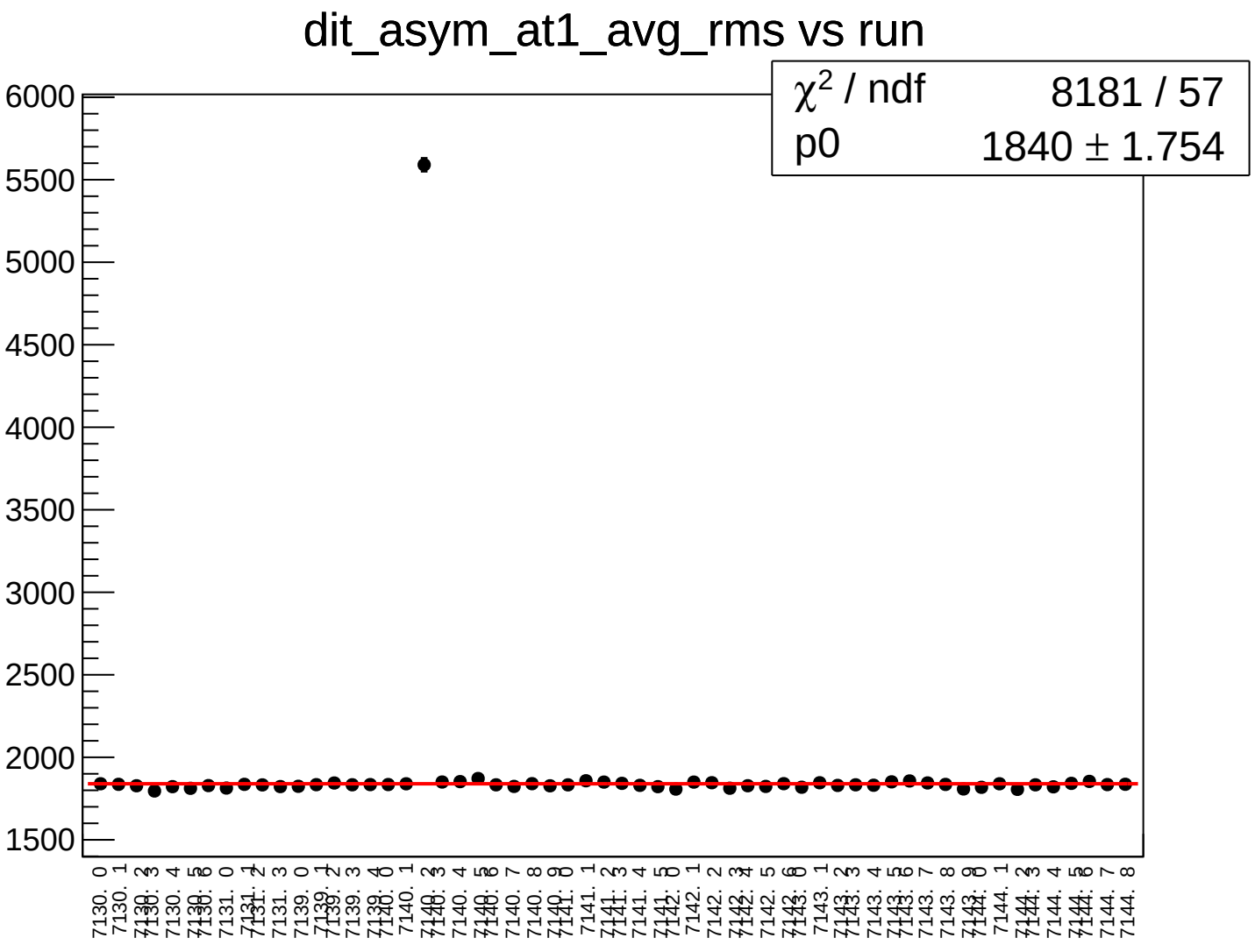

asym_usr_mean vs run
χ² / ndf 59.41 / 57
p0 688.5 ± 2380
pull
Entries 58
Mean 1291
Std Dev 1259

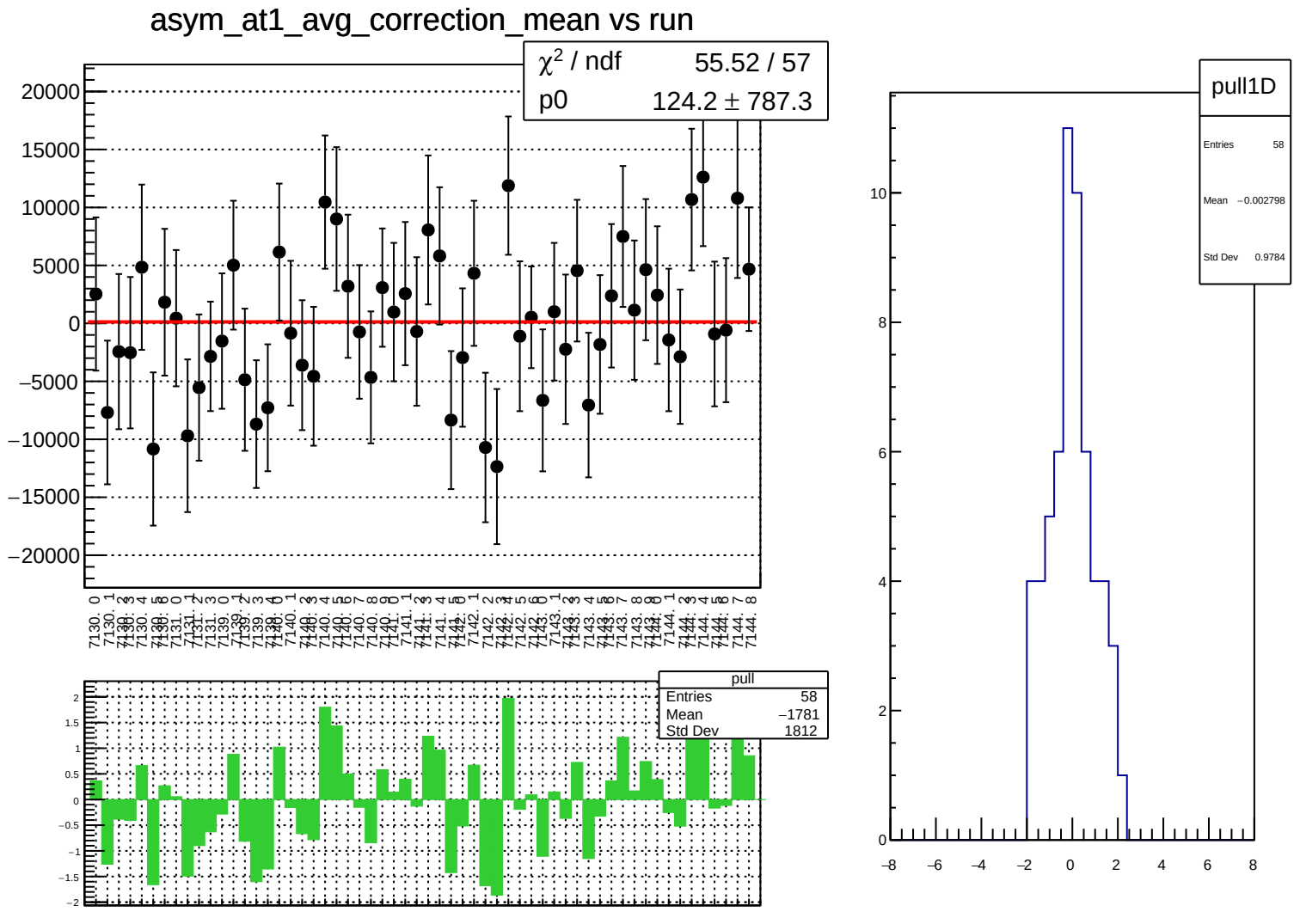

pull1D
Entries 58
Mean −0.004724
Std Dev 1.012

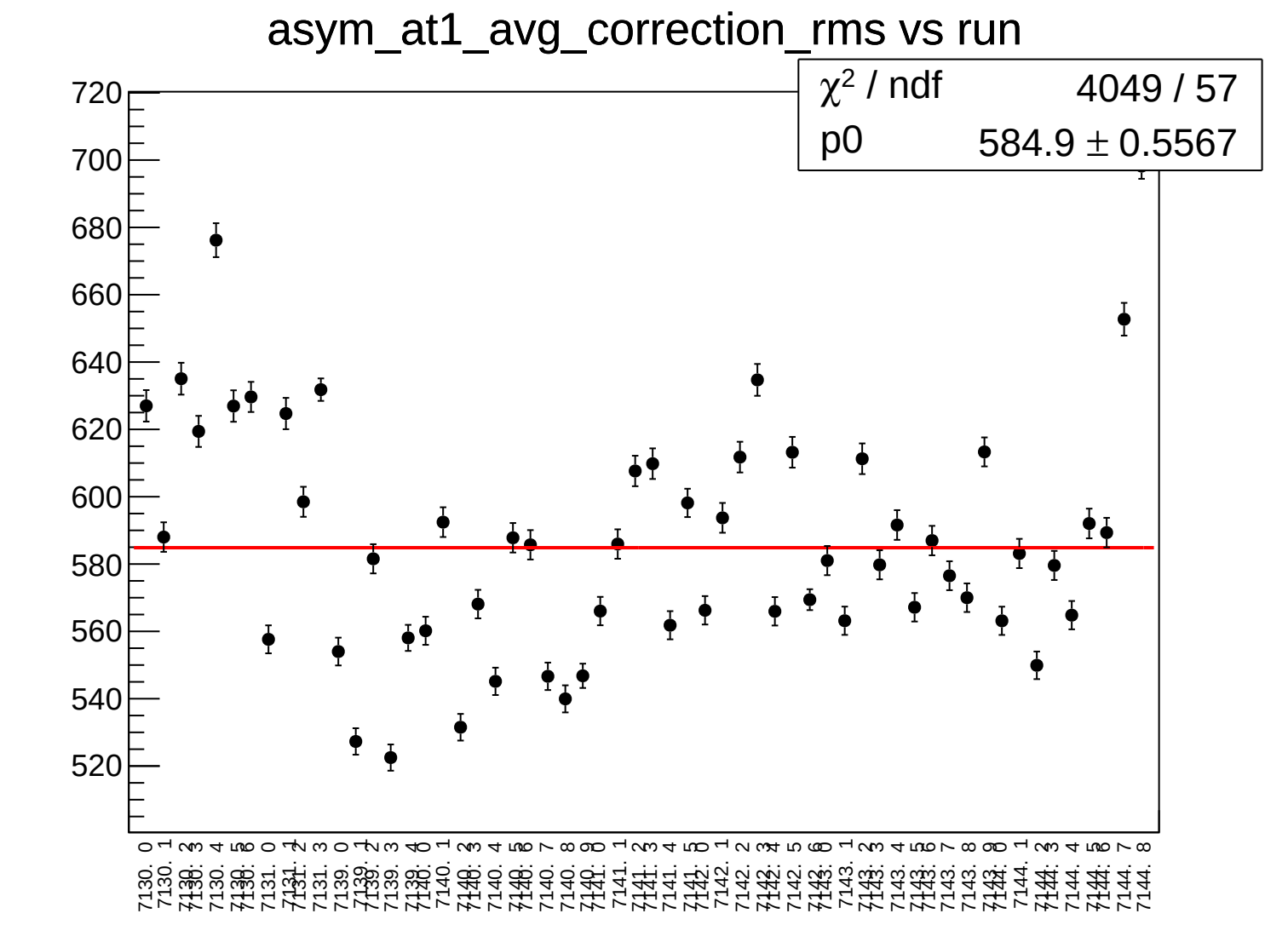

asym_usr_rms vs run
χ² / ndf 1844 / 57
p0 1770 ± 1.683
2000
1950
1900
1850
1800
1750
1700
1650
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

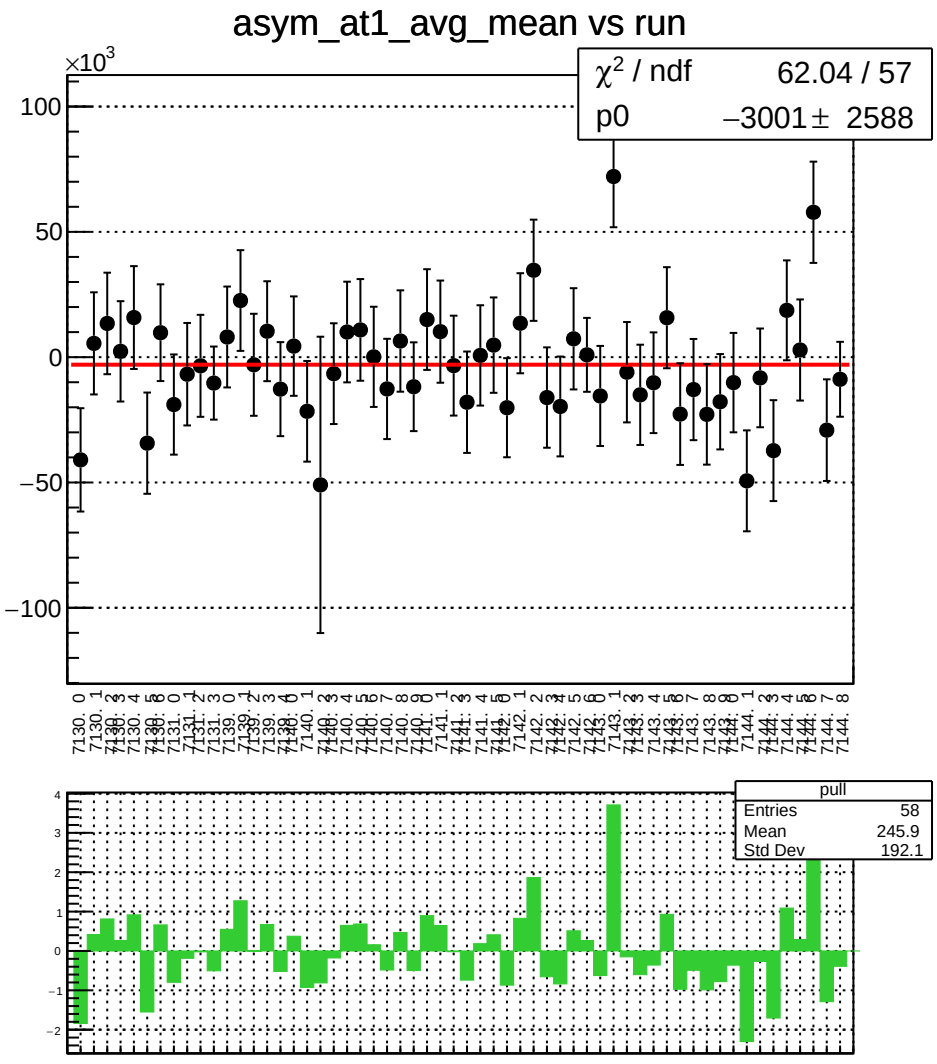

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 71.68 / 57
p0 −2937 ± 2481
100
50
0
−50
−100
pull
Entries 58
Mean −688.2
Std Dev 704.1

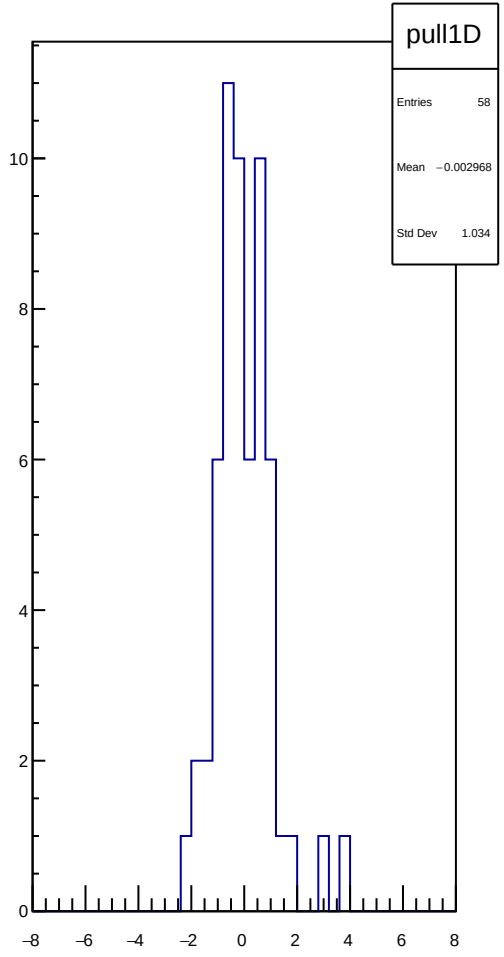

pull1D
Entries 58
Mean −0.001347
Std Dev 1.112
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

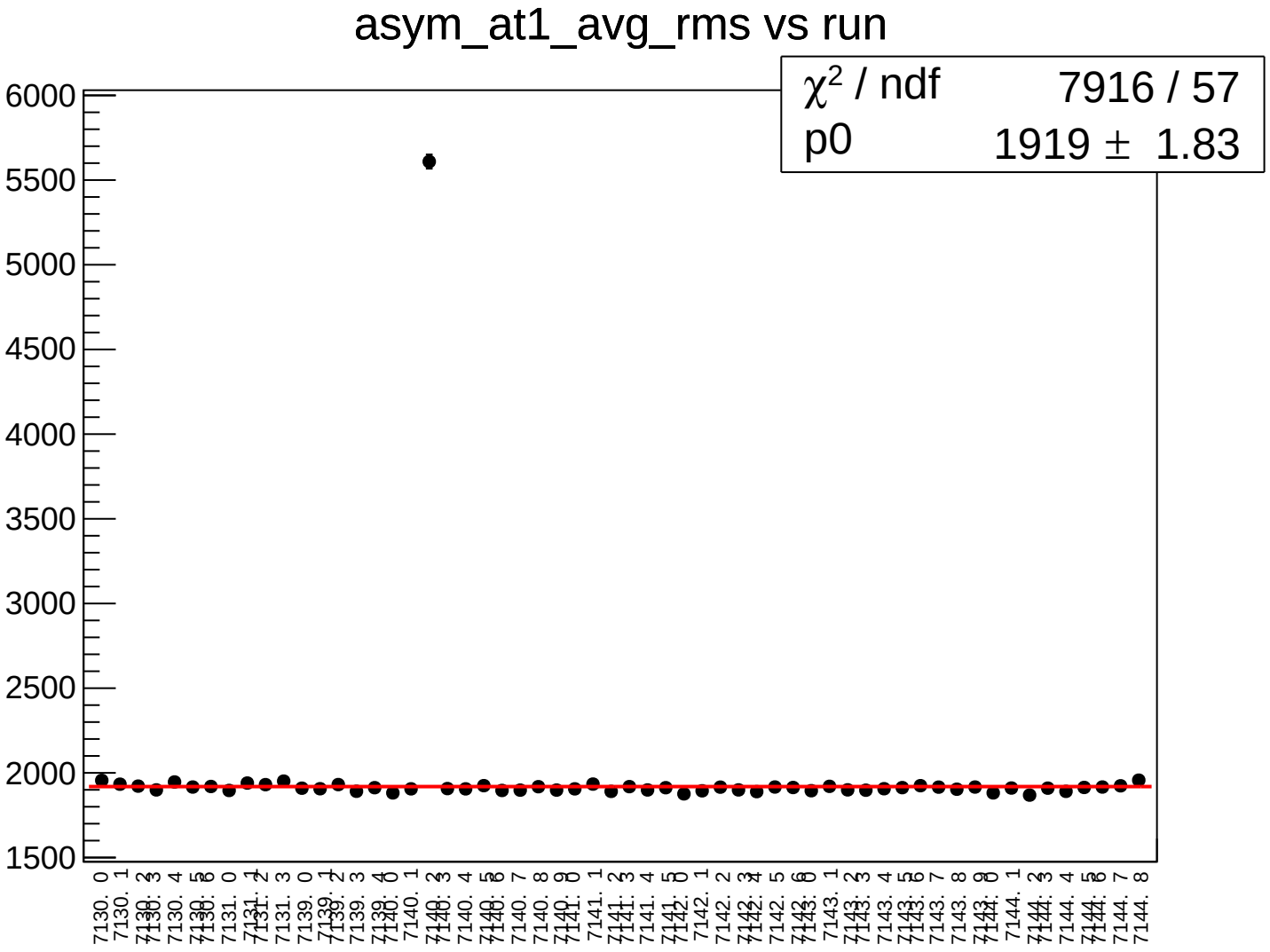

dit_asym_at1_avg_rms vs run
χ2 / ndf 8181 / 57
p0 1840 ± 1.754
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

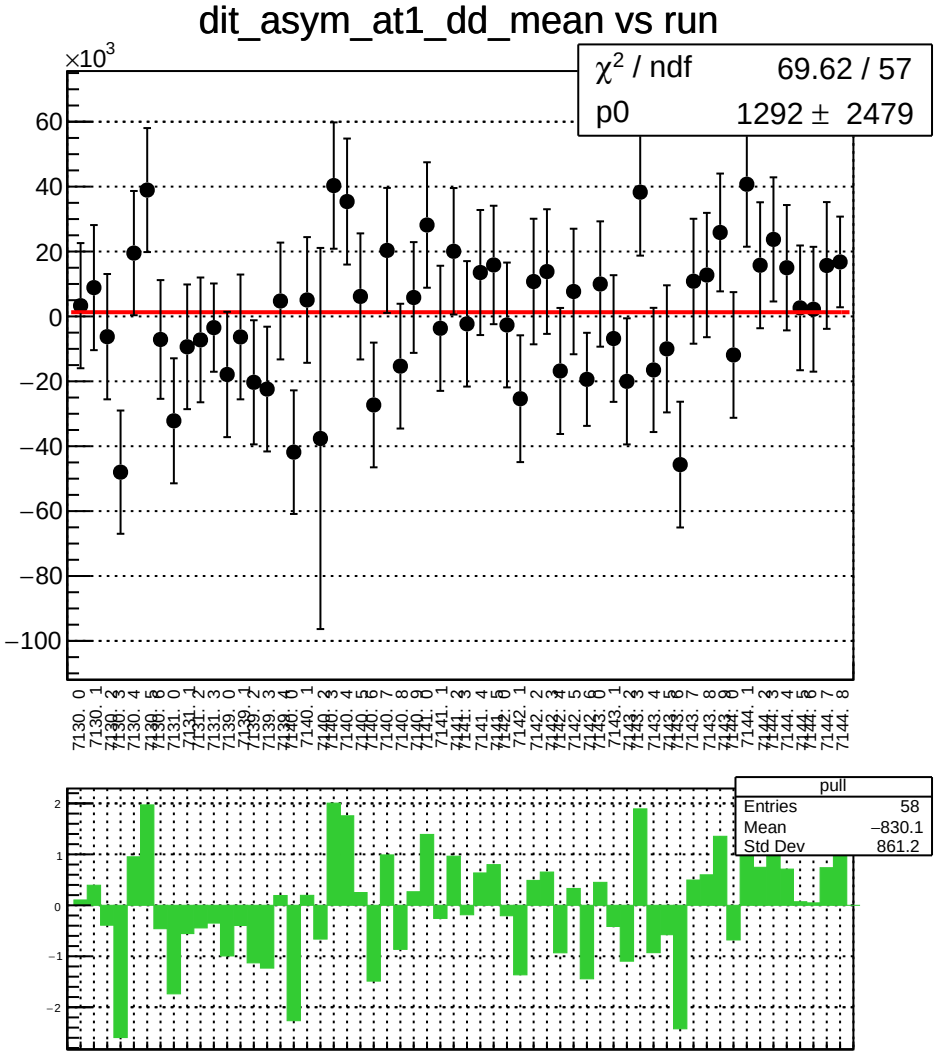

asym_at1_avg_correction_mean vs run
χ² / ndf 55.52 / 57
p0 124.2 ± 787.3
pull
Entries 58
Mean −1781
Std Dev 1812
pull1D
Entries 58
Mean −0.002798
Std Dev 0.9784

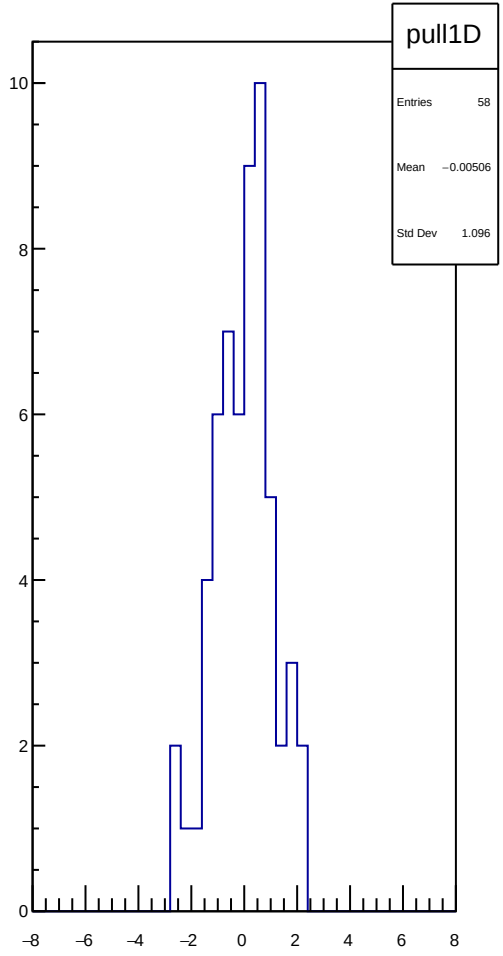

asym_at1_avg_correction_rms vs run
χ² / ndf 4049 / 57
p0 584.9 ± 0.5567
720
700
680
660
640
620
600
580
560
540
520

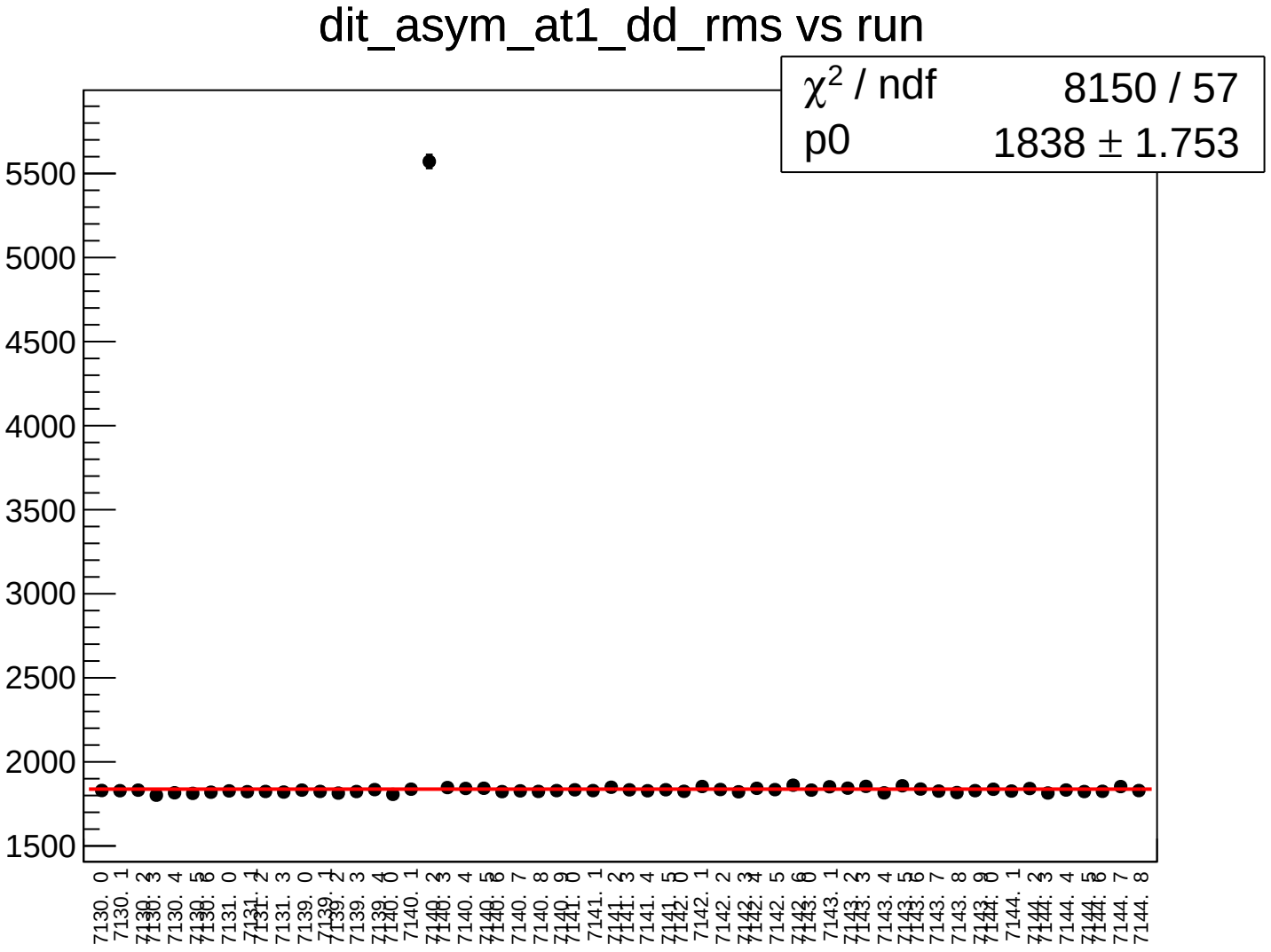

asym_at1_avg_mean vs run
×10^3
χ² / ndf 62.04 / 57
p0 −3001 ± 2588
100
50
0
−50
−100
pull
Entries 58
Mean 245.9
Std Dev 192.1
4
3
2
1
0
−1
−2

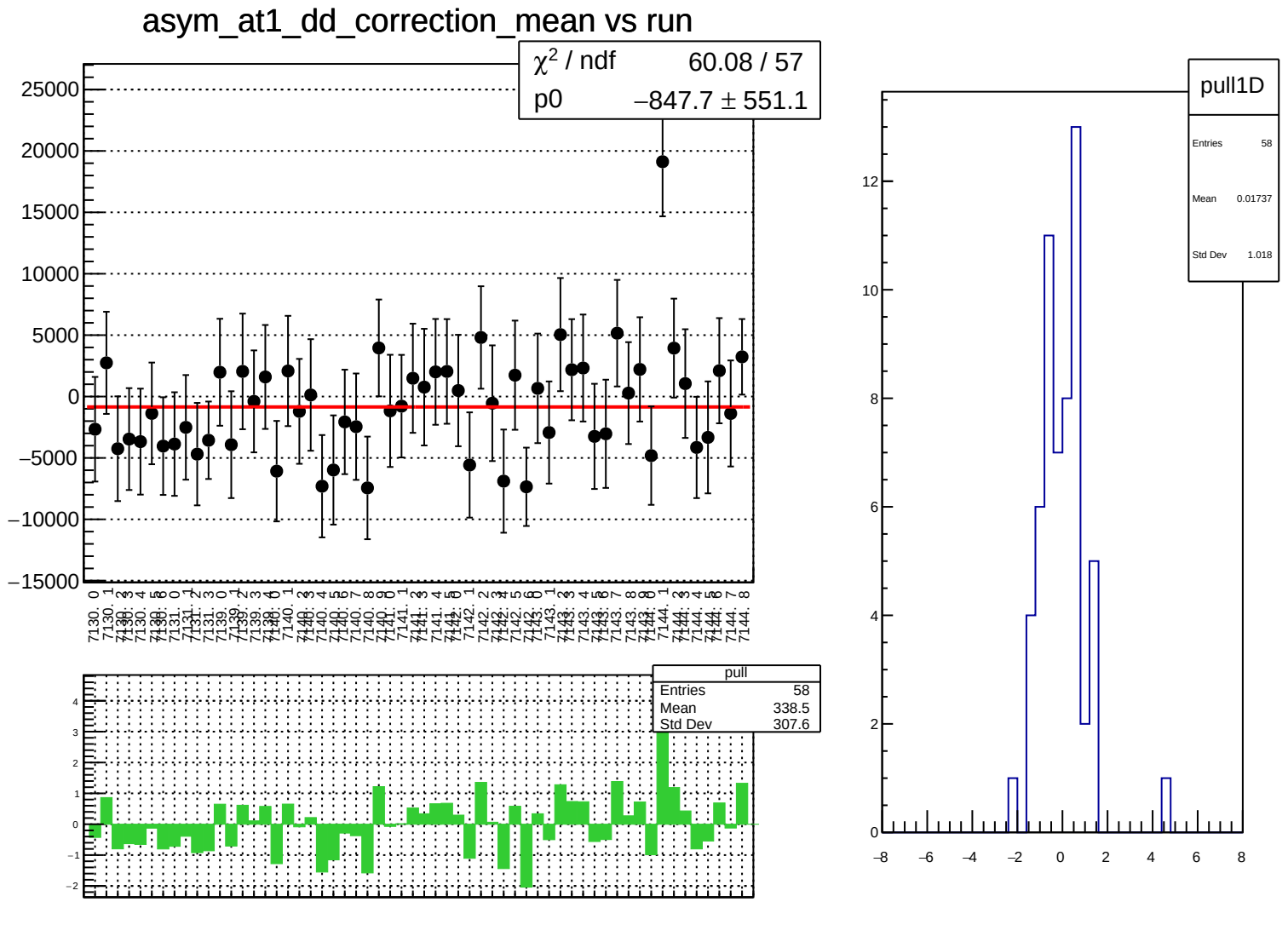

pull1D
Entries 58
Mean −0.002968
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

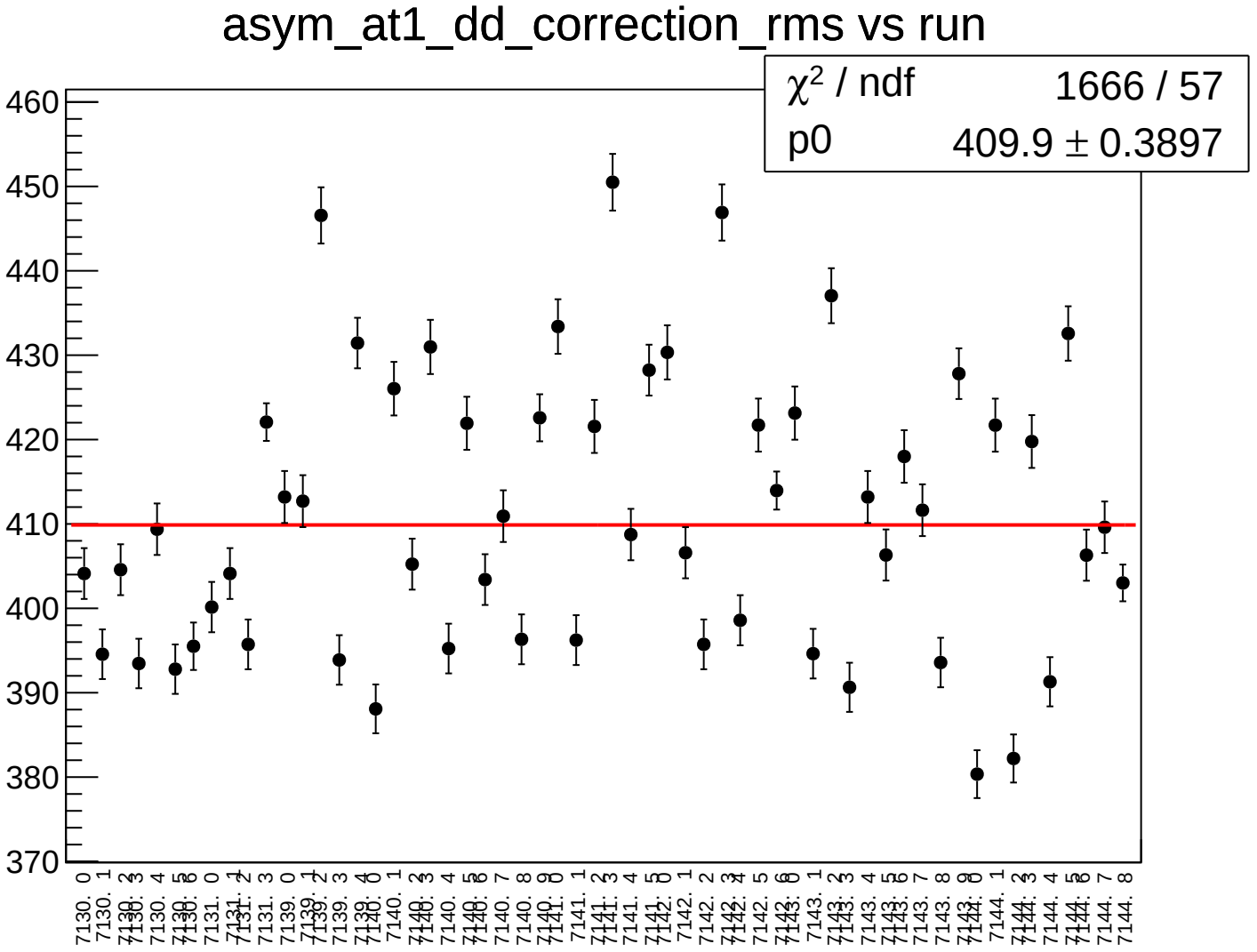

asym_at1_avg_rms vs run
χ2 / ndf 7916 / 57
p0 1919 ± 1.83
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

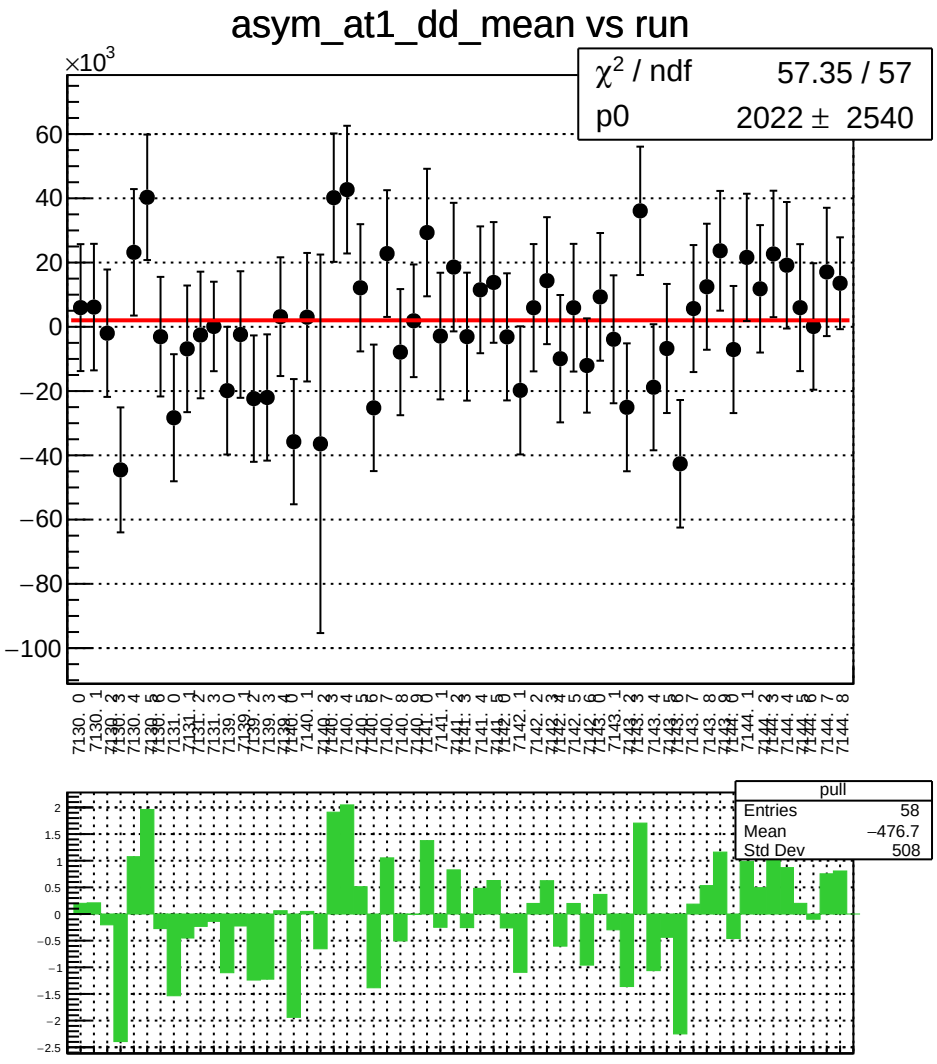

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 69.62 / 57
p0 1292 ± 2479
pull
Entries 58
Mean −830.1
Std Dev 861.2

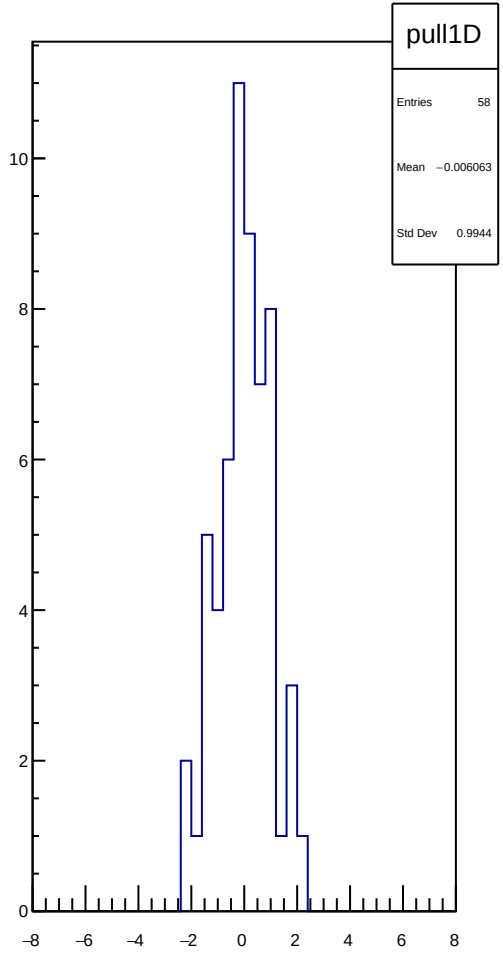

pull1D
Entries 58
Mean −0.00506
Std Dev 1.096

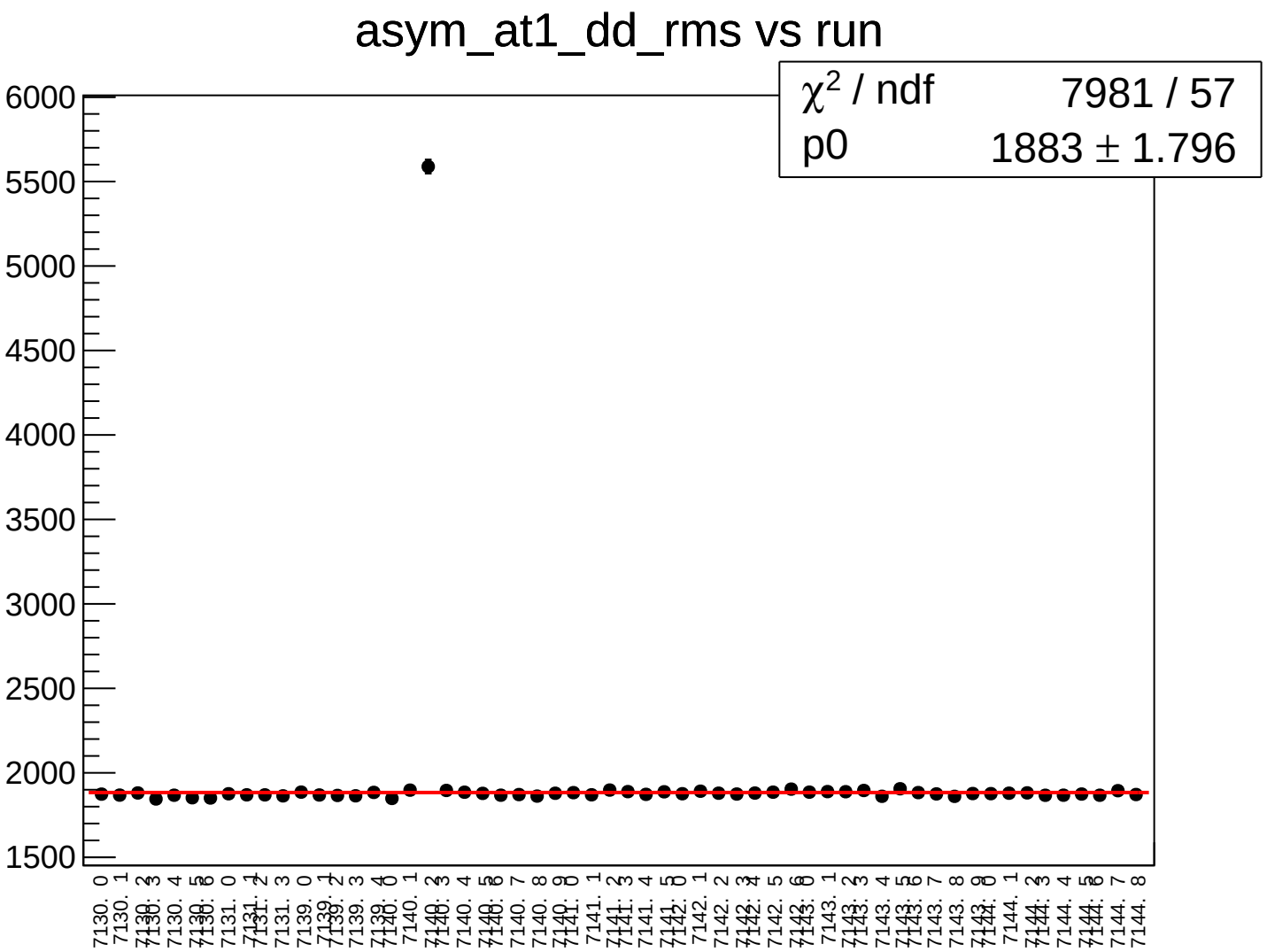

dit_asym_at1_dd_rms vs run
χ2 / ndf 8150 / 57
p0 1838 ± 1.753
5500
5000
4500
4000
3500
3000
2500
2000
1500

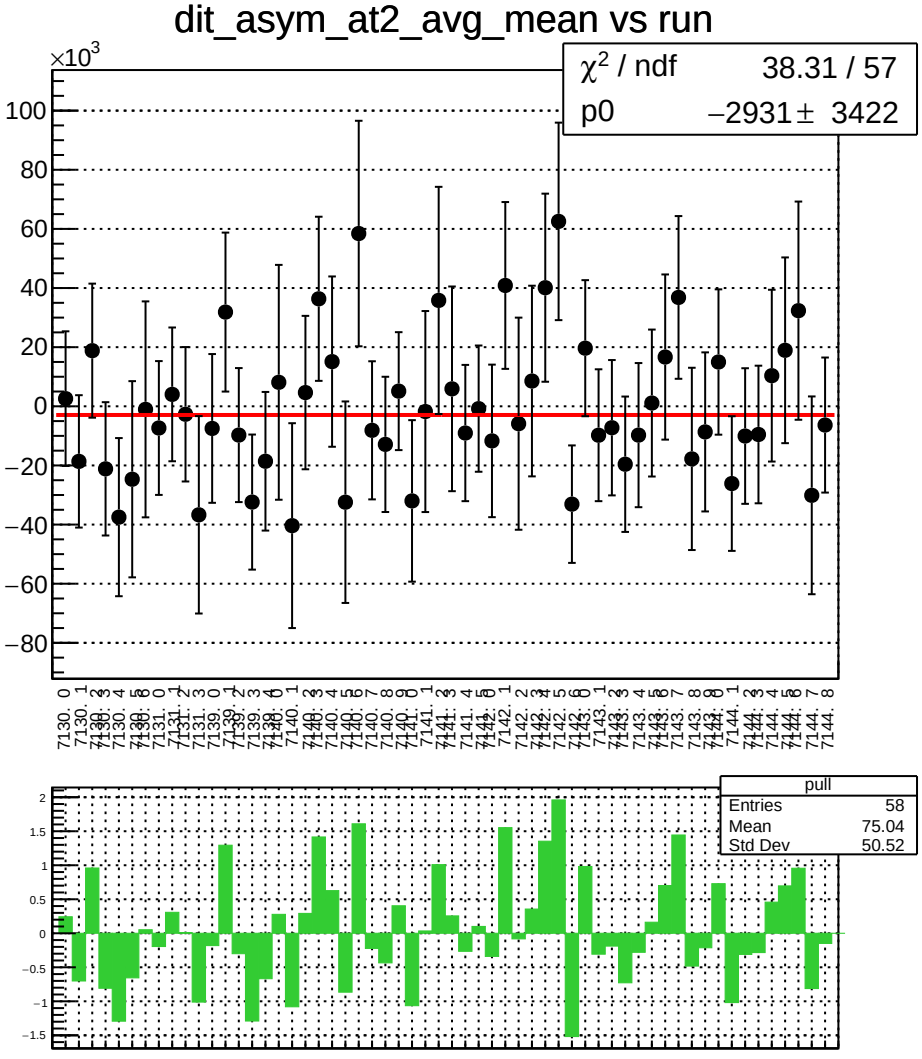

asym_at1_dd_correction_mean vs run
χ² / ndf 60.08 / 57
p0 −847.7 ± 551.1
pull
Entries 58
Mean 338.5
Std Dev 307.6
pull1D
Entries 58
Mean 0.01737
Std Dev 1.018

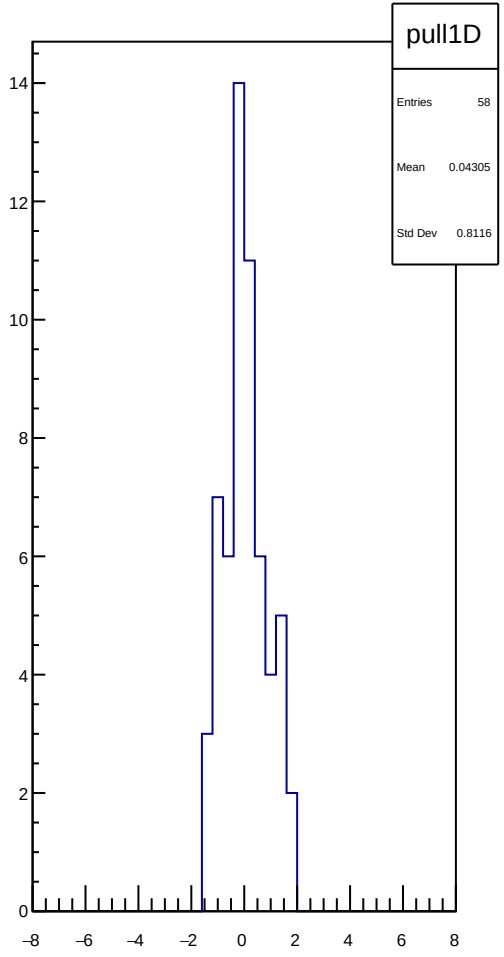

asym_at1_dd_correction_rms vs run
χ² / ndf 1666 / 57
p0 409.9 ± 0.3897
460
450
440
430
420
410
400
390
380
370

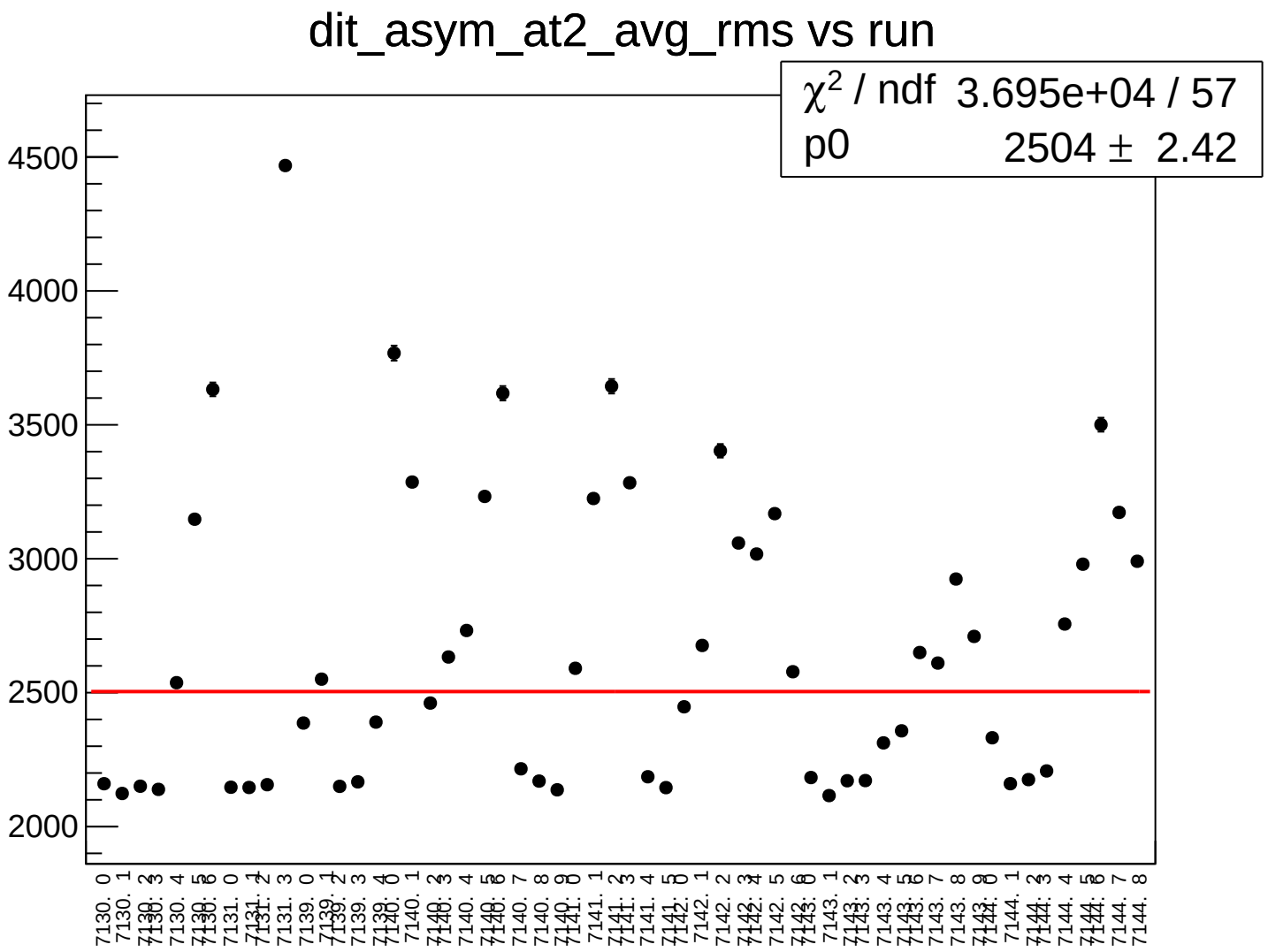

asym_at1_dd_mean vs run
×10^3
χ² / ndf 57.35 / 57
p0 2022 ± 2540
pull
Entries 58
Mean −476.7
Std Dev 508

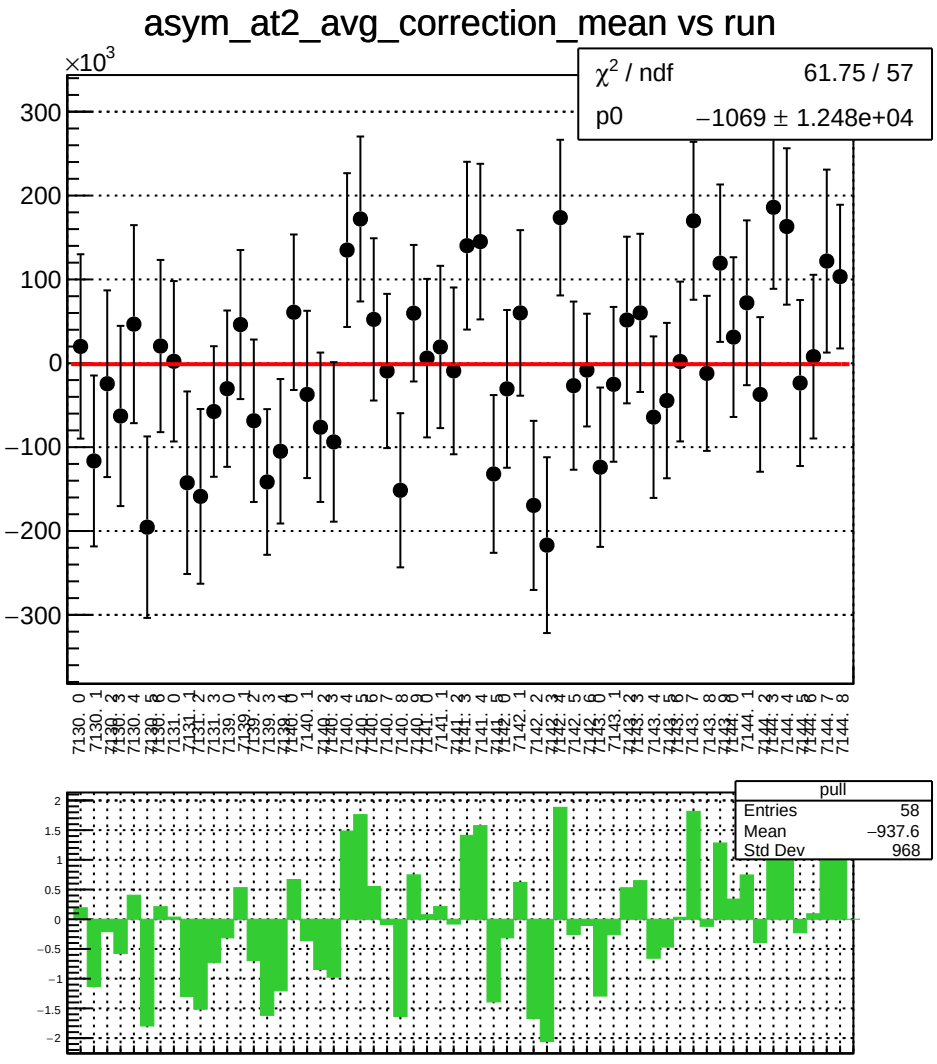

pull1D
Entries 58
Mean −0.006063
Std Dev 0.9944

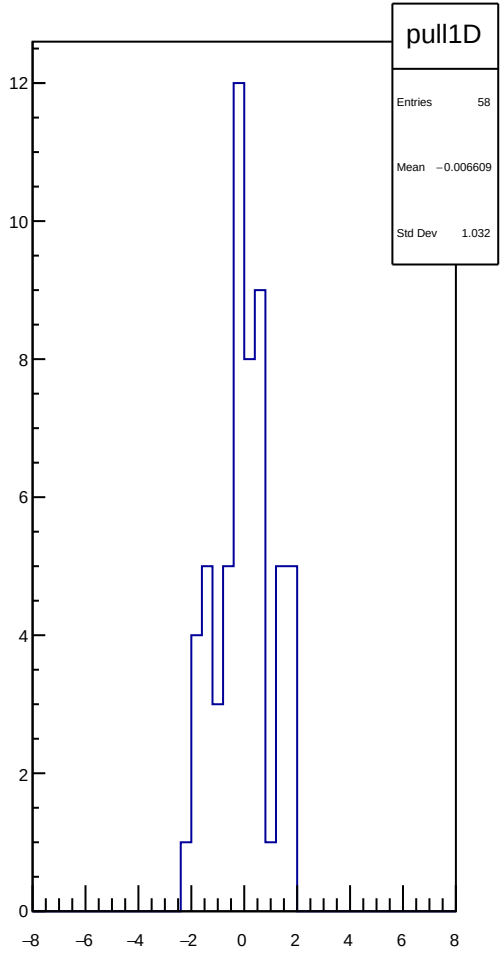

asym_at1_dd_rms vs run
χ2 / ndf 7981 / 57
p0 1883 ± 1.796
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500


dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 38.31 / 57
p0 −2931 ± 3422
pull
Entries 58
Mean 75.04
Std Dev 50.52

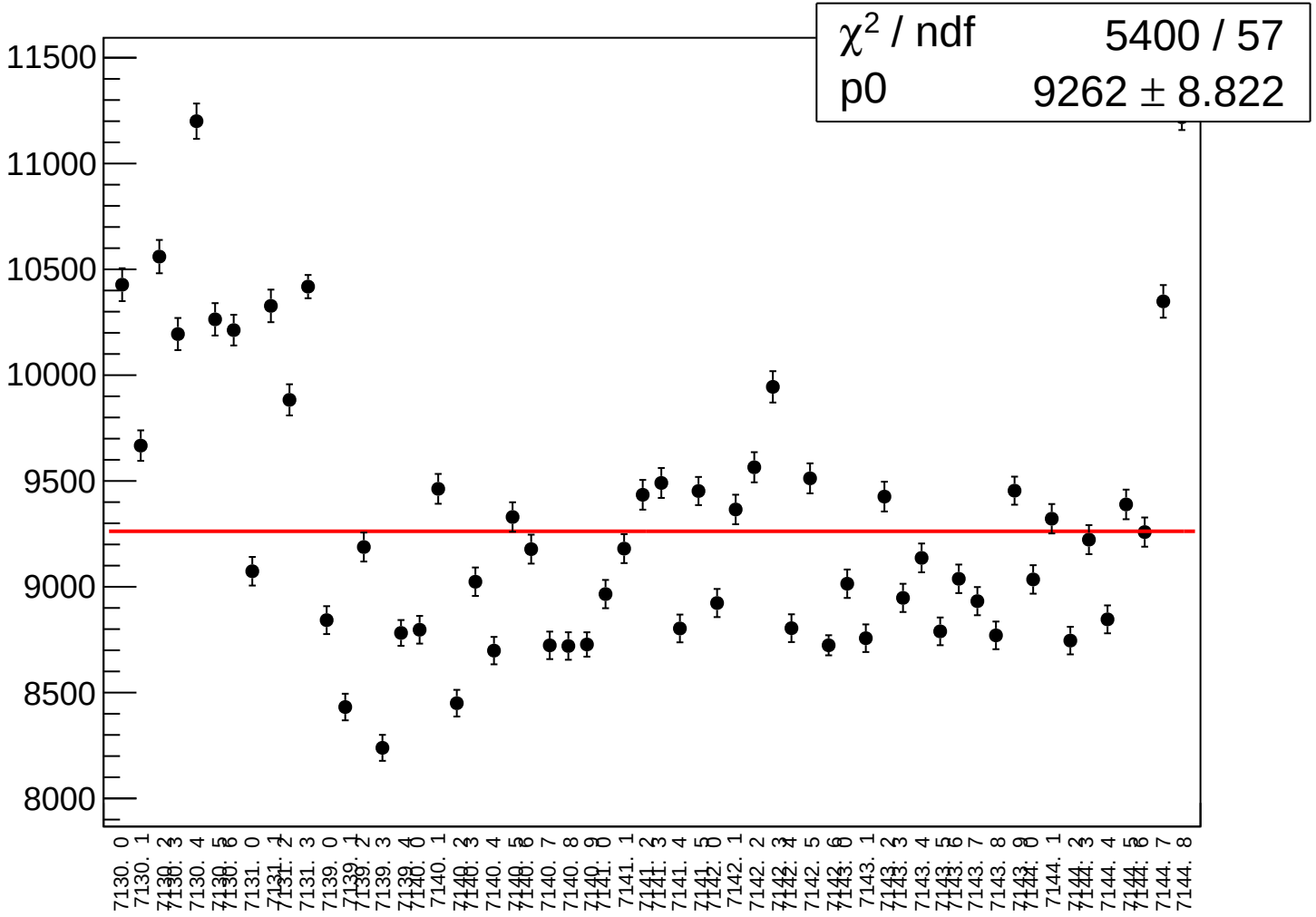

pull1D
Entries 58
Mean 0.04305
Std Dev 0.8116

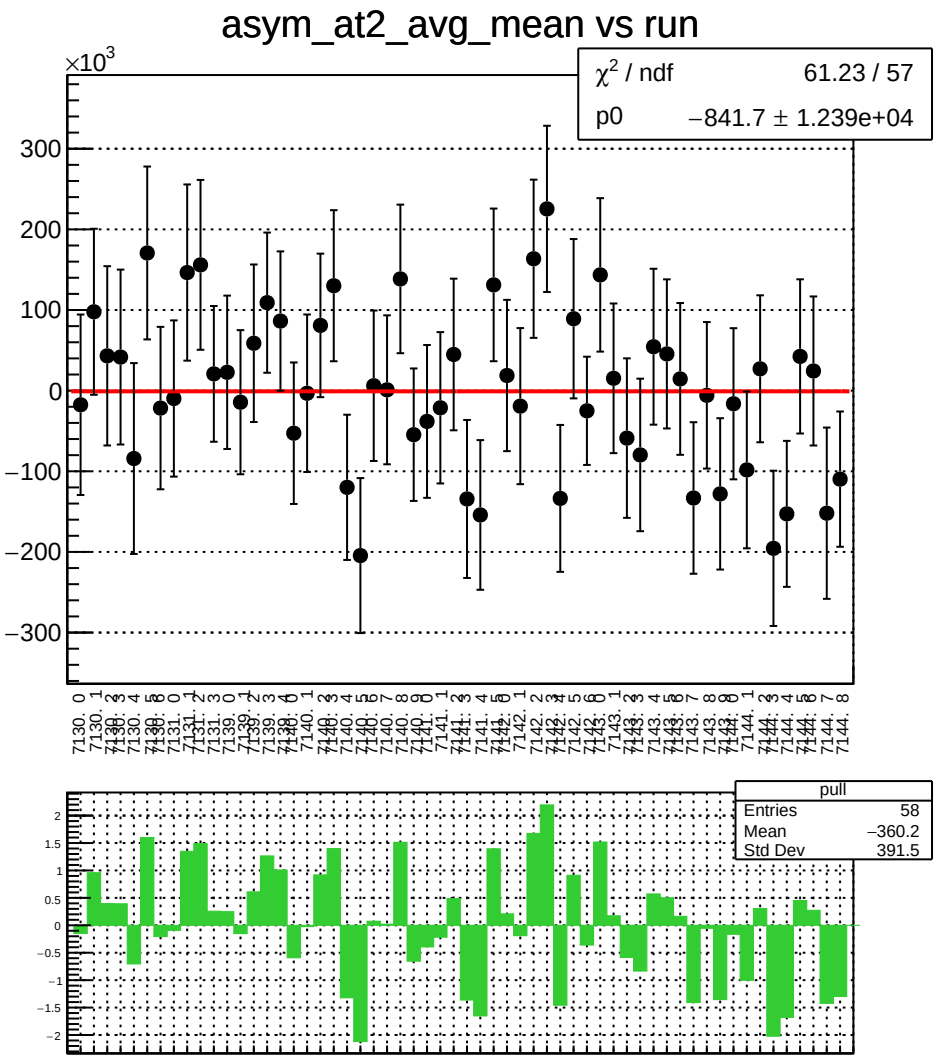

dit_asym_at2_avg_rms vs run
χ2 / ndf 3.695e+04 / 57
p0 2504 ± 2.42
4500
4000
3500
3000
2500
2000

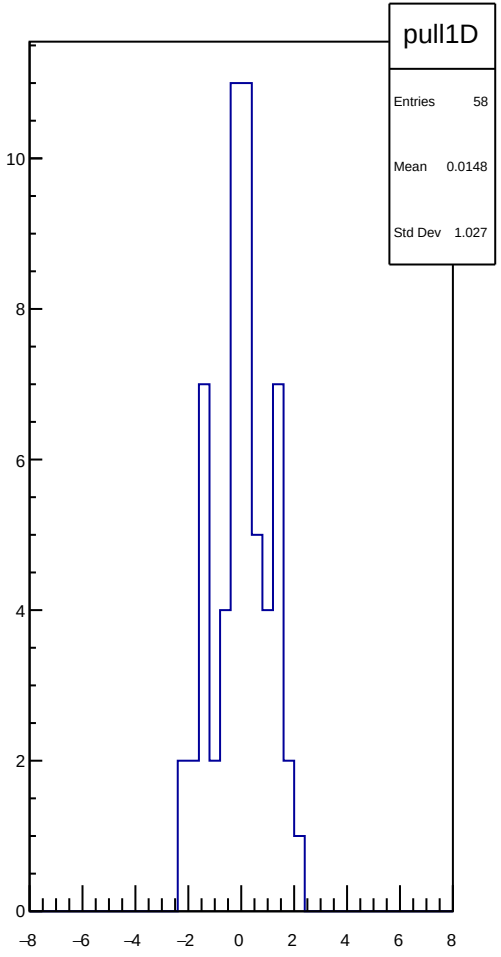

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 61.75 / 57
p0 −1069 ± 1.248e+04
pull
Entries 58
Mean −937.6
Std Dev 968

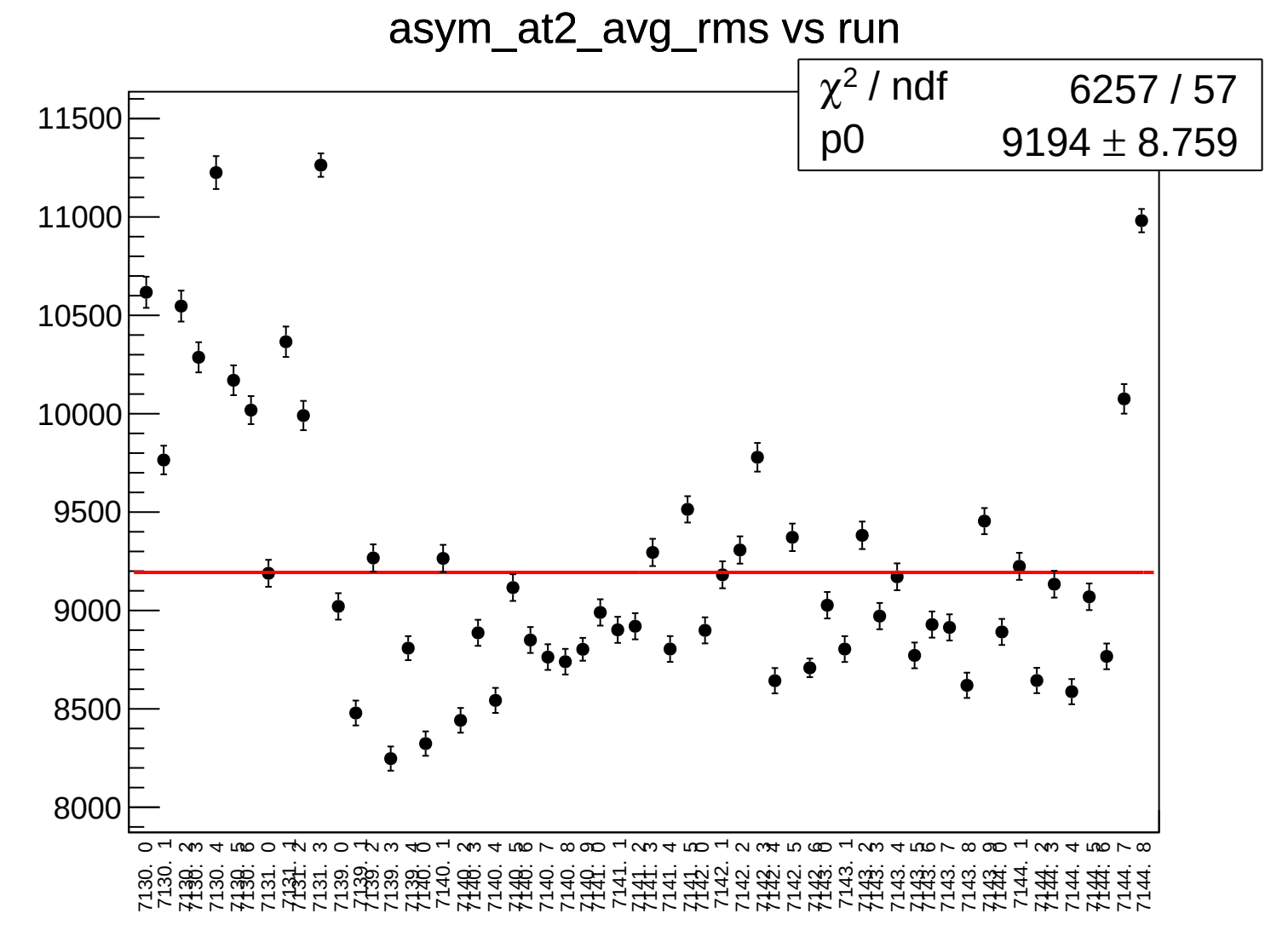

pull1D
Entries 58
Mean −0.006609
Std Dev 1.032

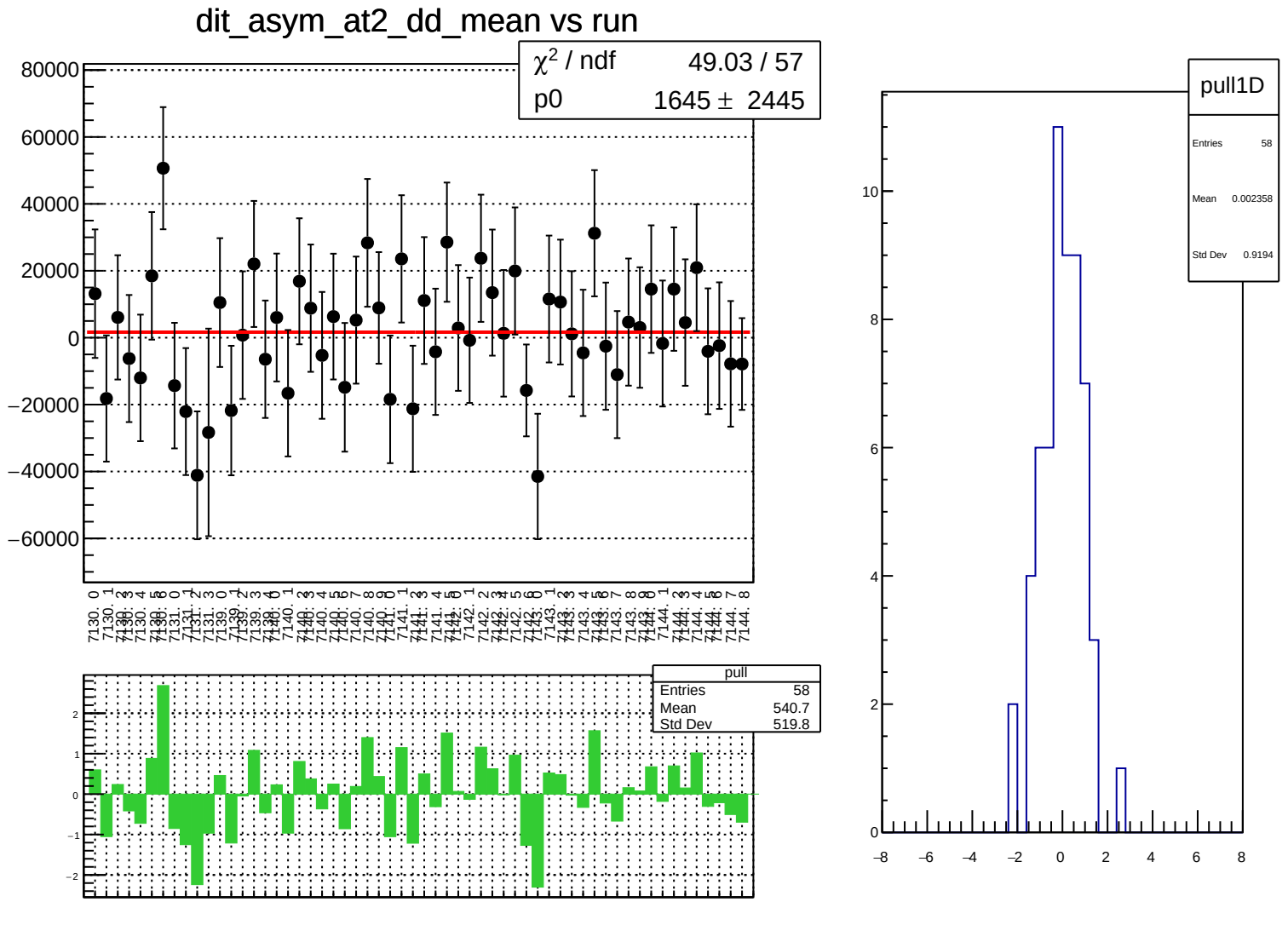
asym_at2_avg_correction_rms vs run

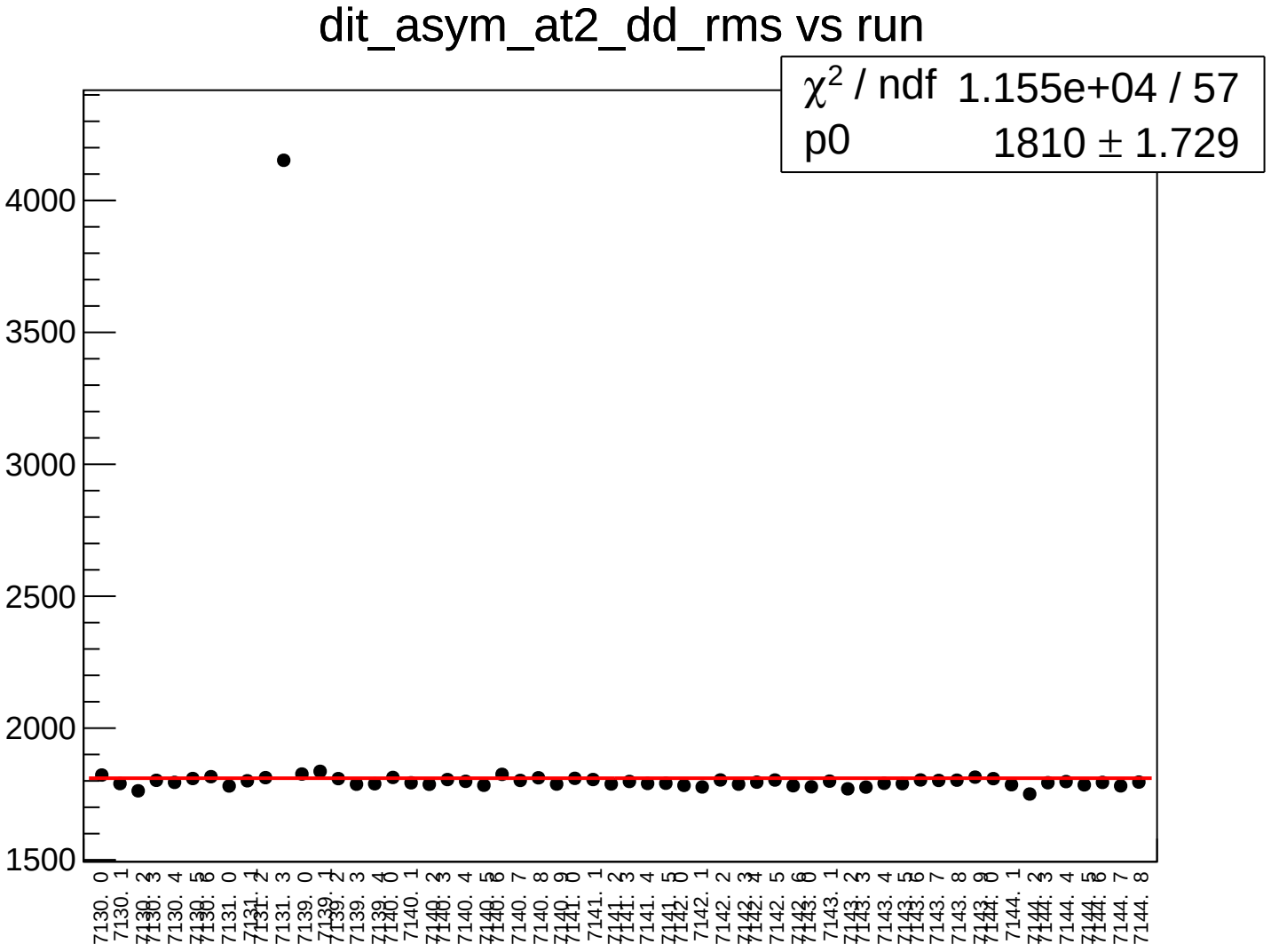


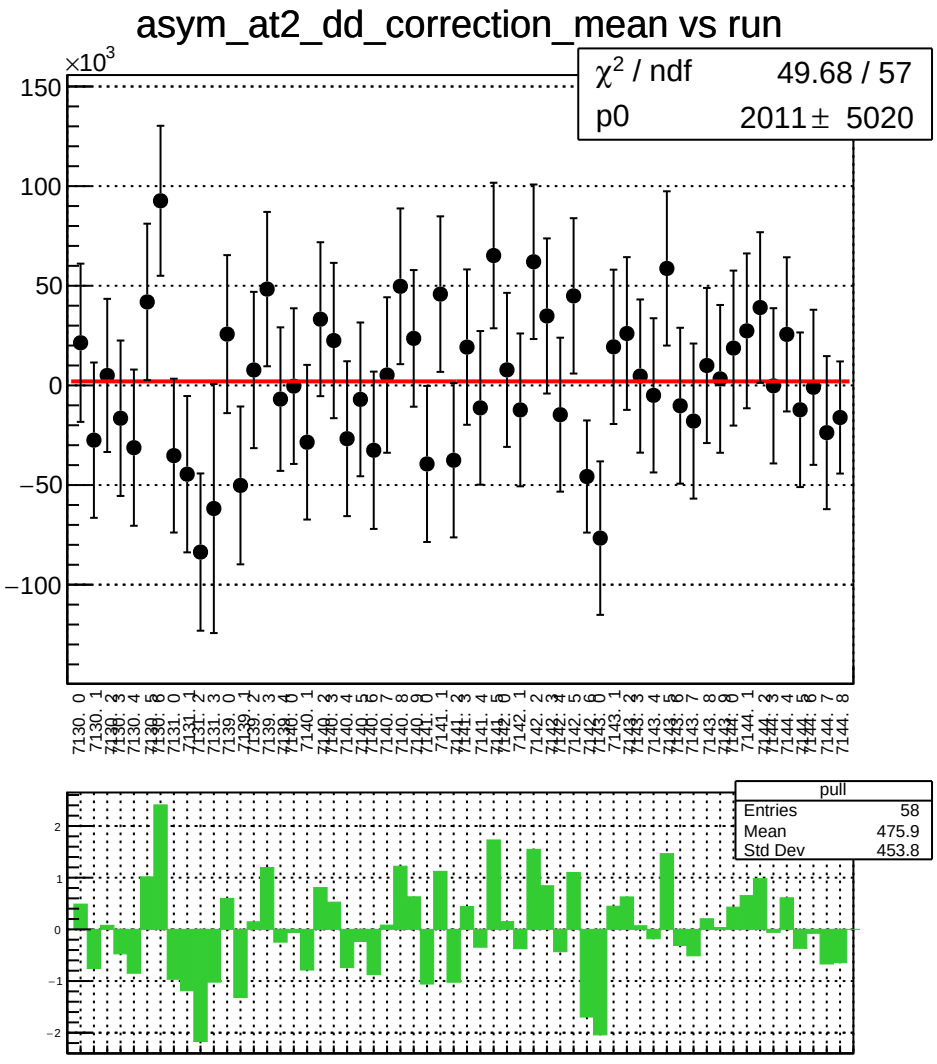

asym_at2_avg_mean vs run
×10^3
χ² / ndf 61.23 / 57
p0 −841.7 ± 1.239e+04
pull
Entries 58
Mean −360.2
Std Dev 391.5

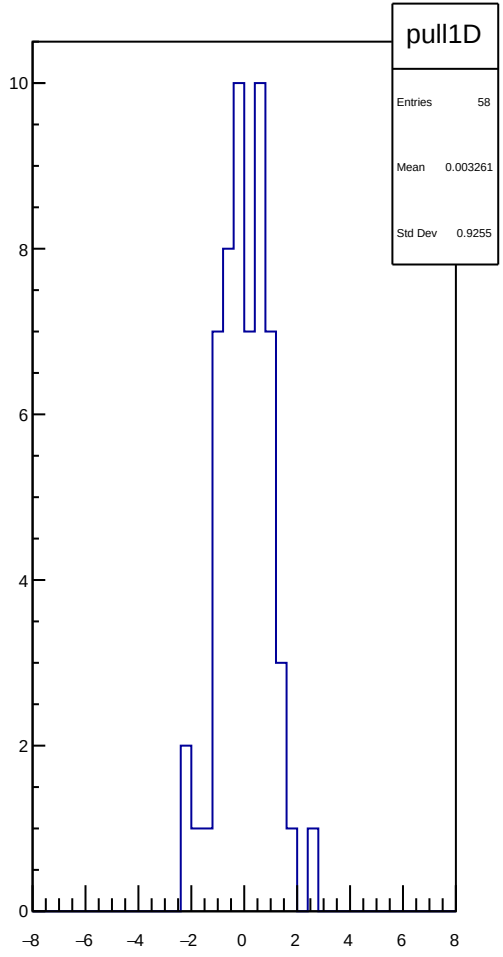

pull1D
Entries 58
Mean 0.0148
Std Dev 1.027

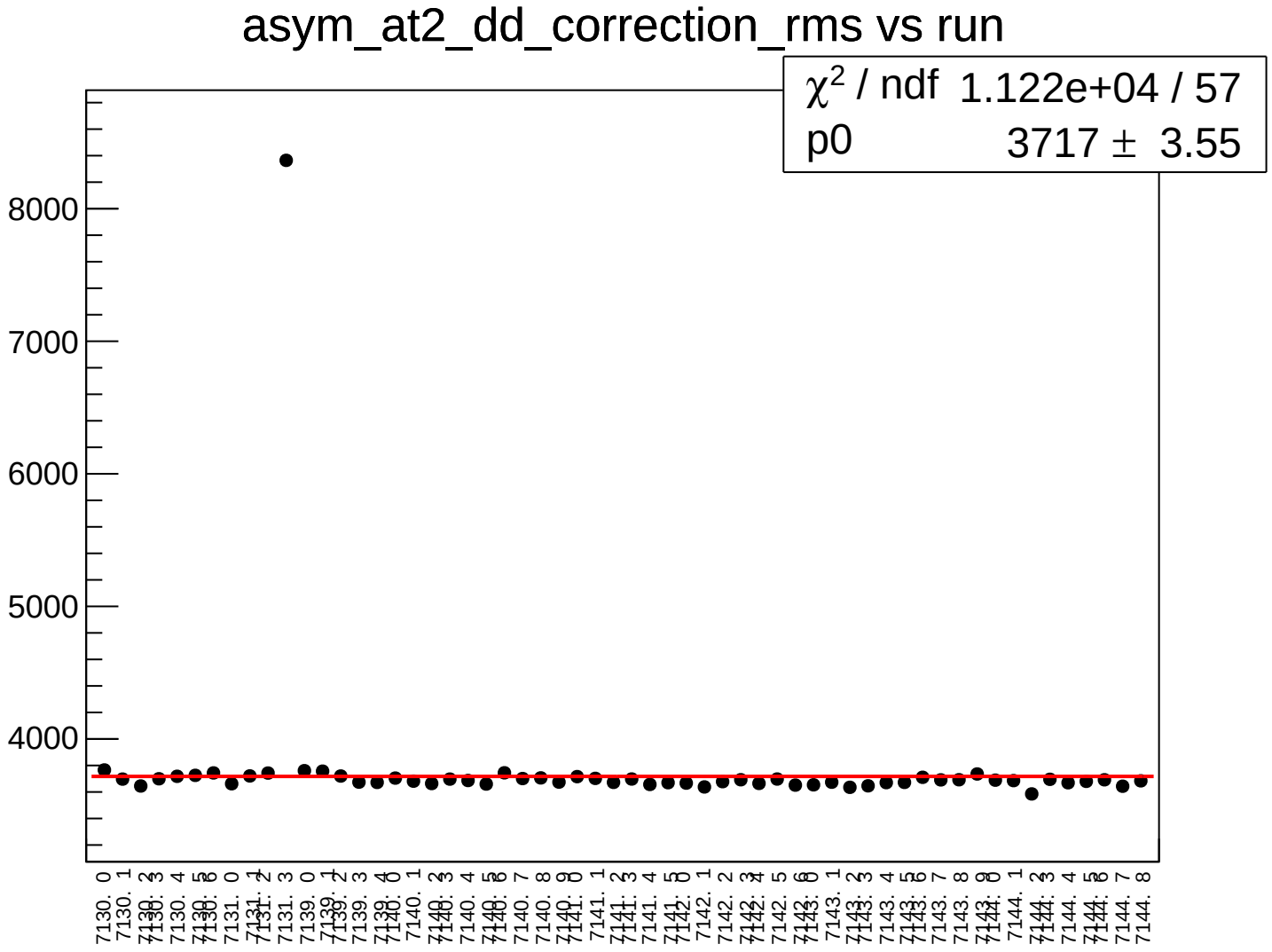

asym_at2_avg_rms vs run
χ² / ndf 6257 / 57
p0 9194 ± 8.759
11500
11000
10500
10000
9500
9000
8500
8000

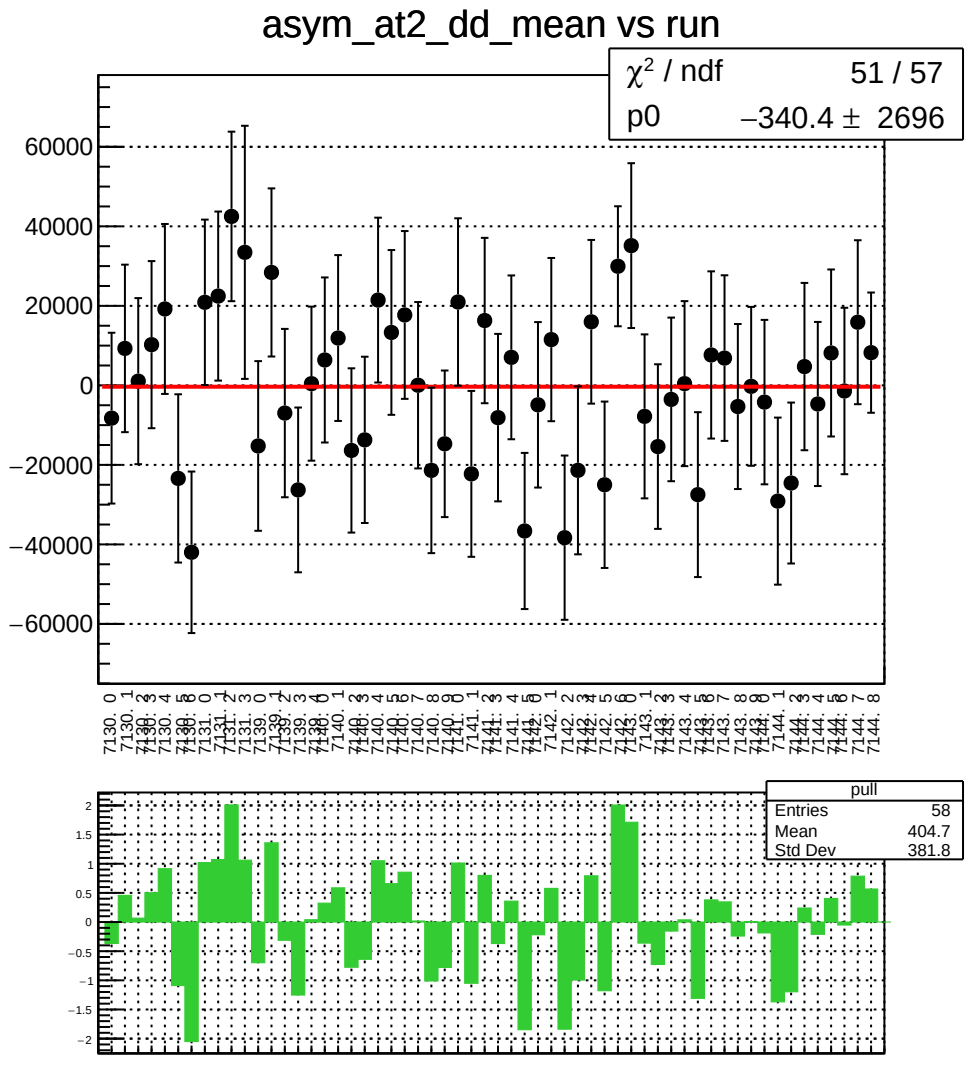

dit_asym_at2_dd_mean vs run
χ² / ndf 49.03 / 57
p0 1645 ± 2445
pull
Entries 58
Mean 540.7
Std Dev 519.8
pull1D
Entries 58
Mean 0.002358
Std Dev 0.9194

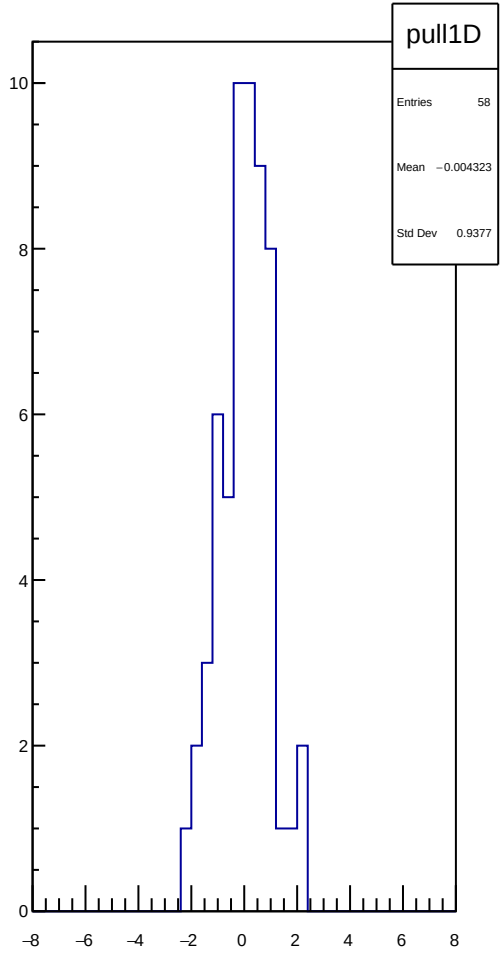

dit_asym_at2_dd_rms vs run
χ2 / ndf 1.155e+04 / 57
p0 1810 ± 1.729
4000
3500
3000
2500
2000
1500


asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 49.68 / 57
p0 2011 ± 5020
pull
Entries 58
Mean 475.9
Std Dev 453.8

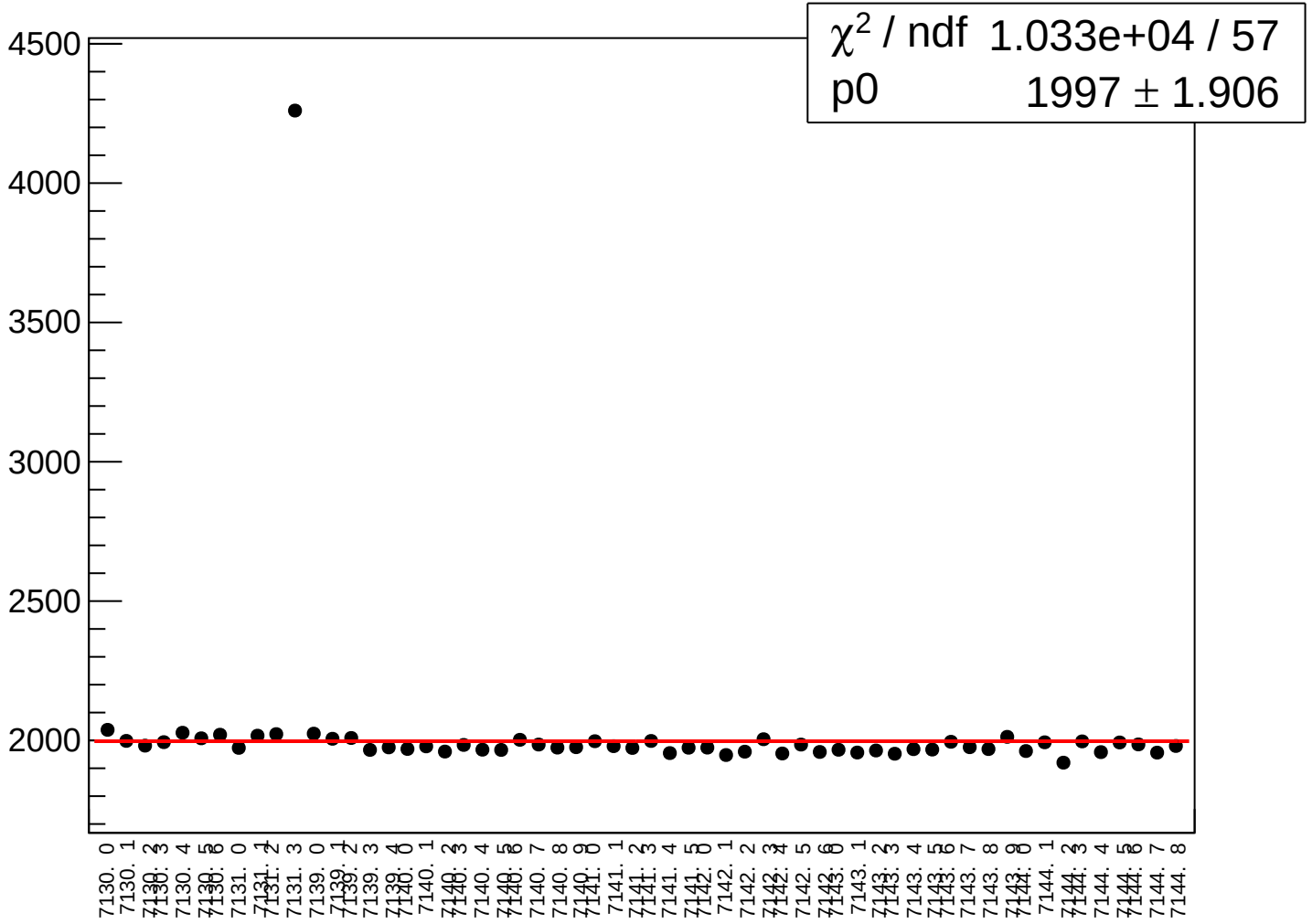

pull1D
Entries 58
Mean 0.003261
Std Dev 0.9255

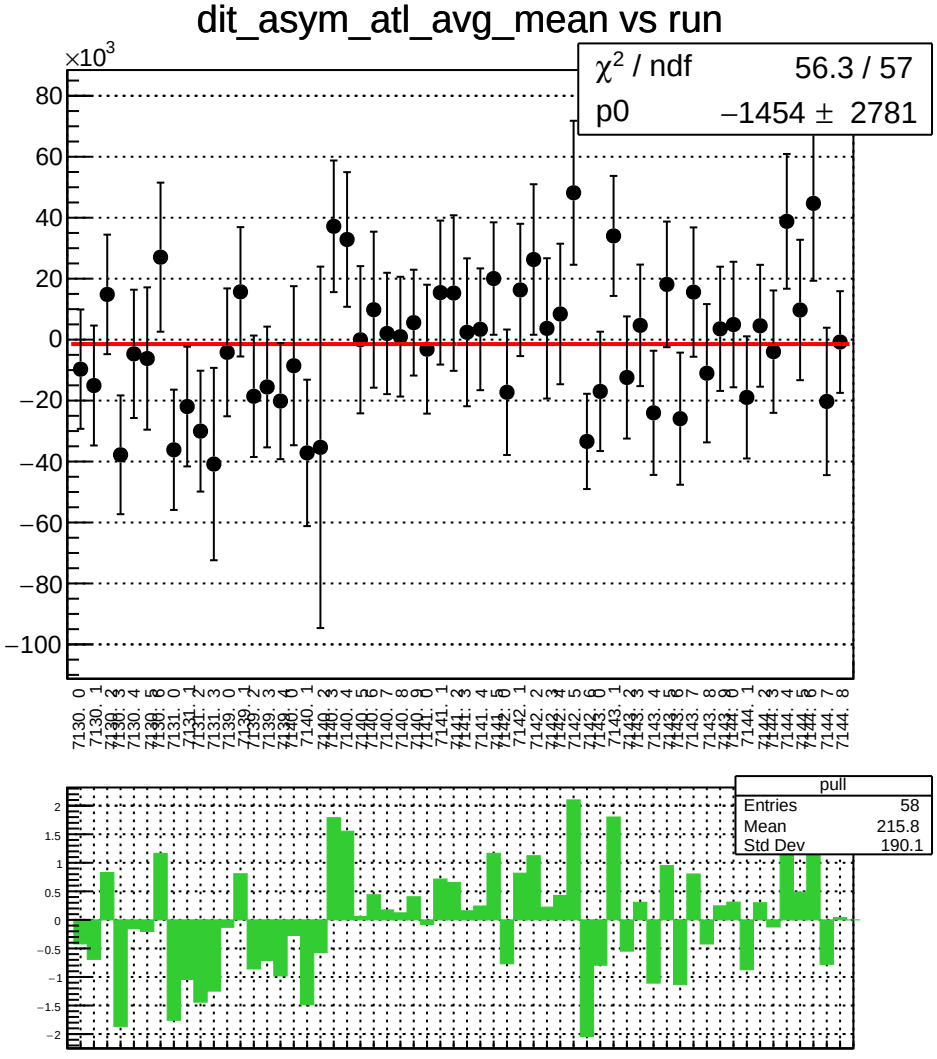

asym_at2_dd_correction_rms vs run
χ2 / ndf 1.122e+04 / 57
p0 3717 ± 3.55
8000
7000
6000
5000
4000

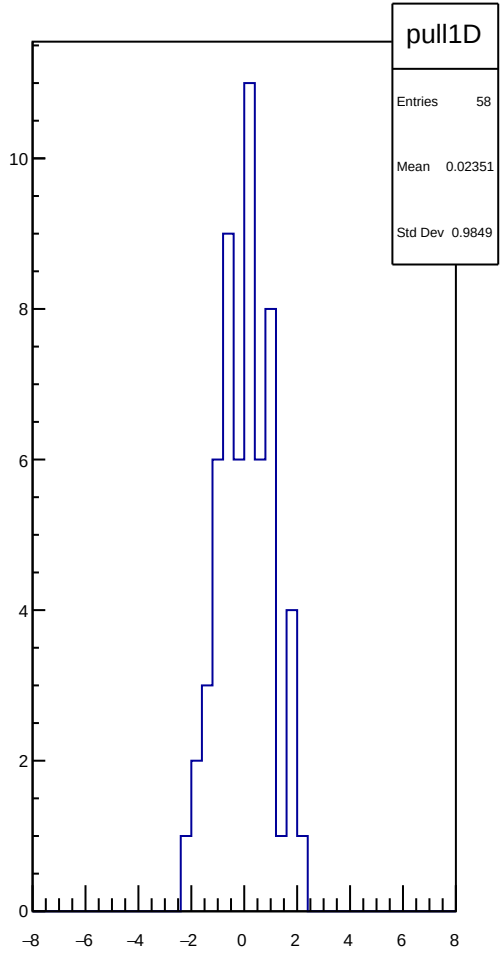

asym_at2_dd_mean vs run
χ² / ndf 51 / 57
p0 −340.4 ± 2696
pull
Entries 58
Mean 404.7
Std Dev 381.8

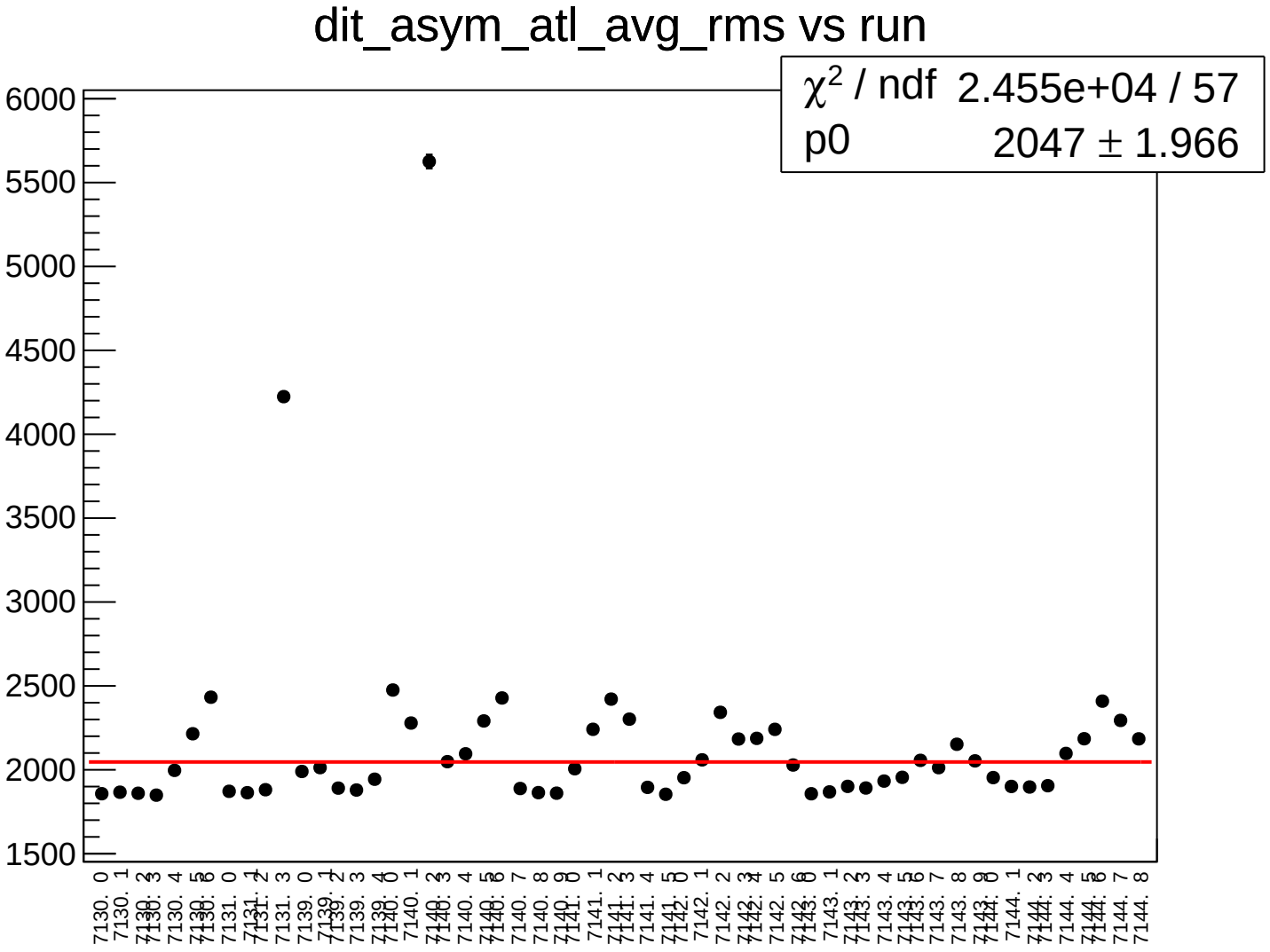

pull1D
Entries 58
Mean −0.004323
Std Dev 0.9377

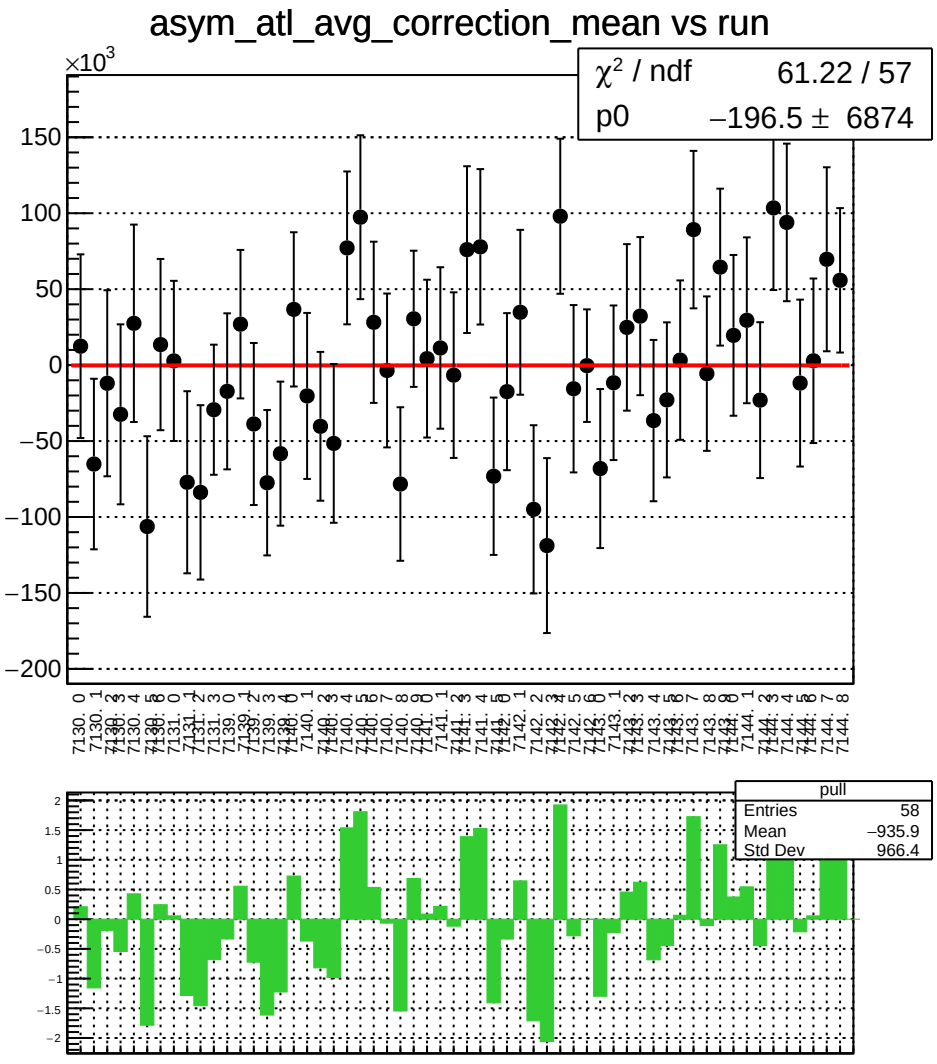
asym_at2_dd_rms vs run

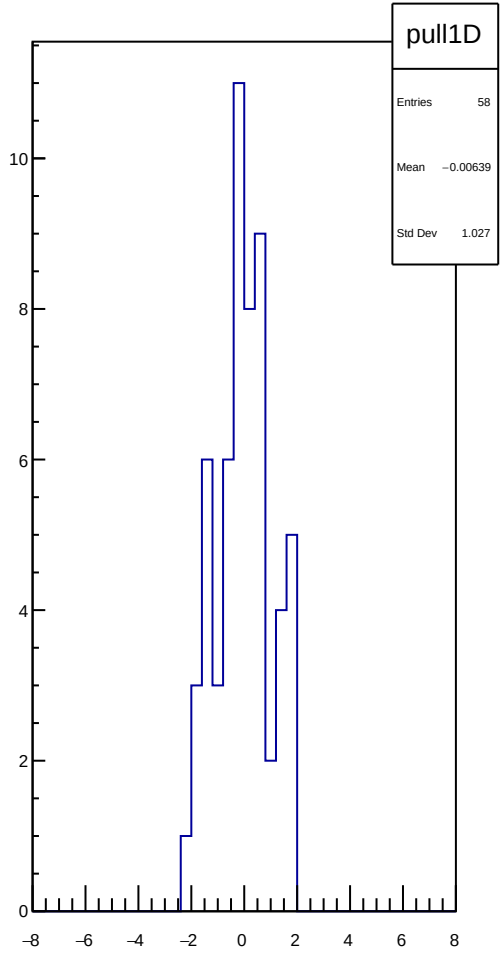


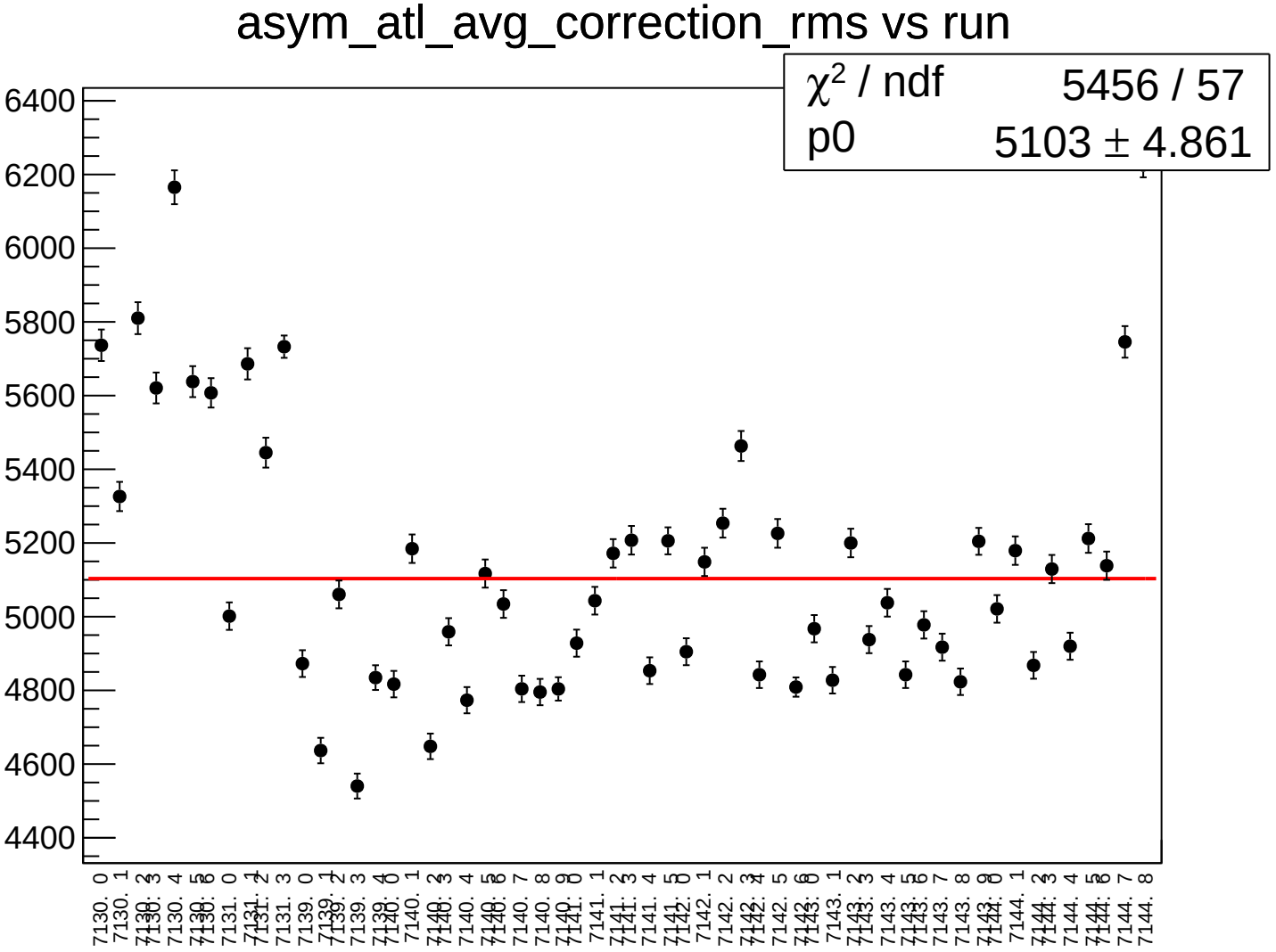

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 56.3 / 57
p0 −1454 ± 2781
pull
Entries 58
Mean 215.8
Std Dev 190.1

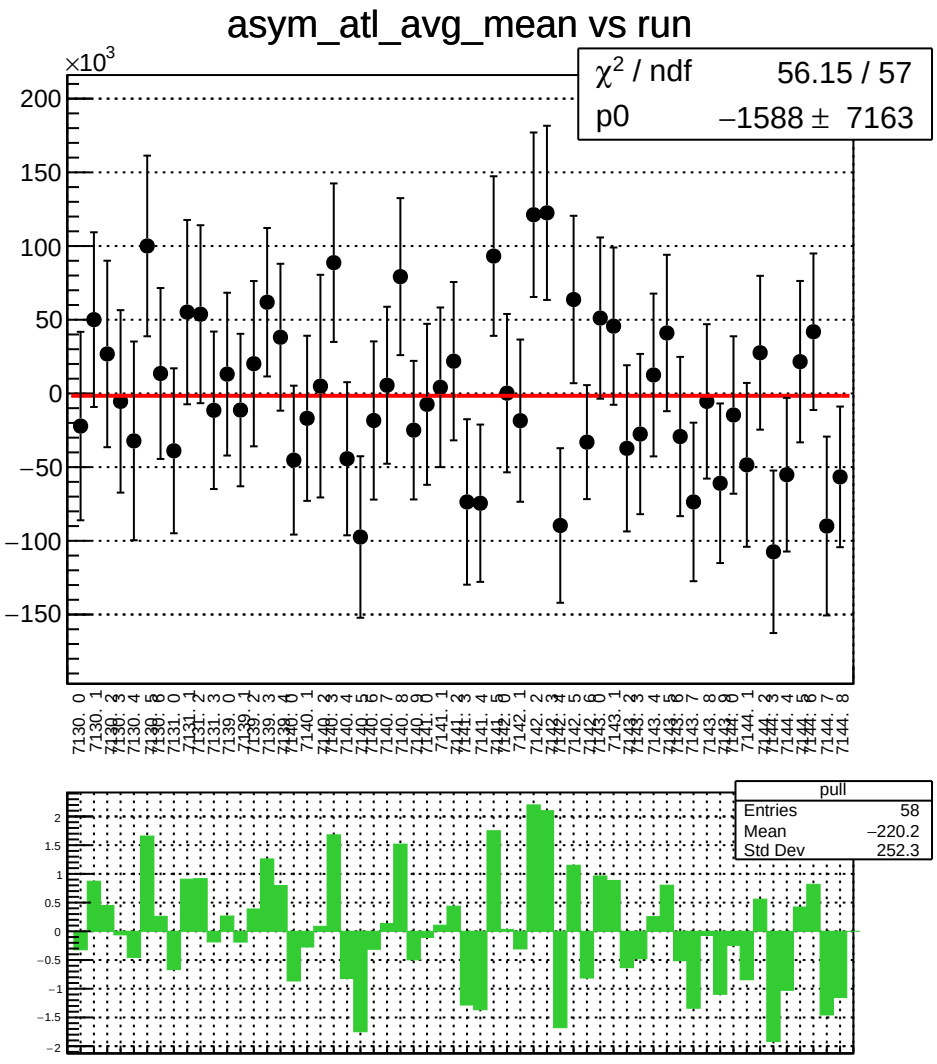

pull1D
Entries 58
Mean 0.02351
Std Dev 0.9849

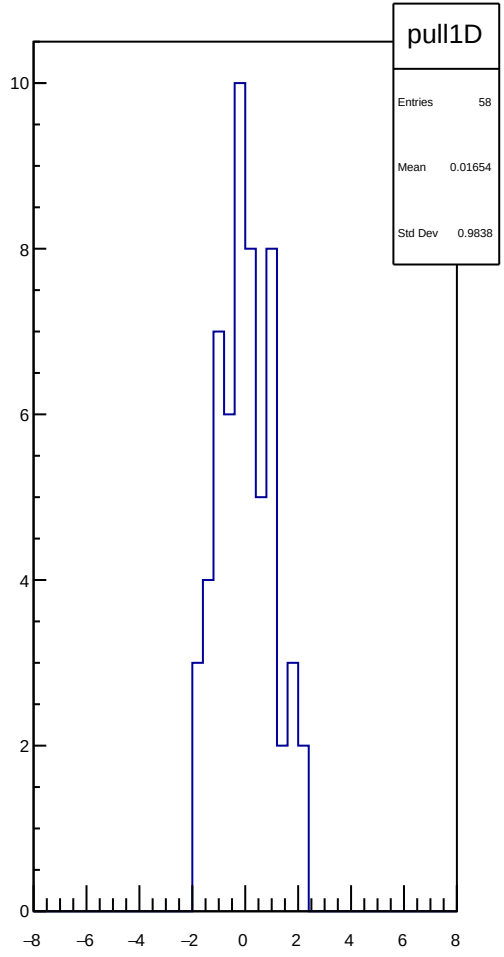

dit_asym_atl_avg_rms vs run
χ2 / ndf 2.455e+04 / 57
p0 2047 ± 1.966
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

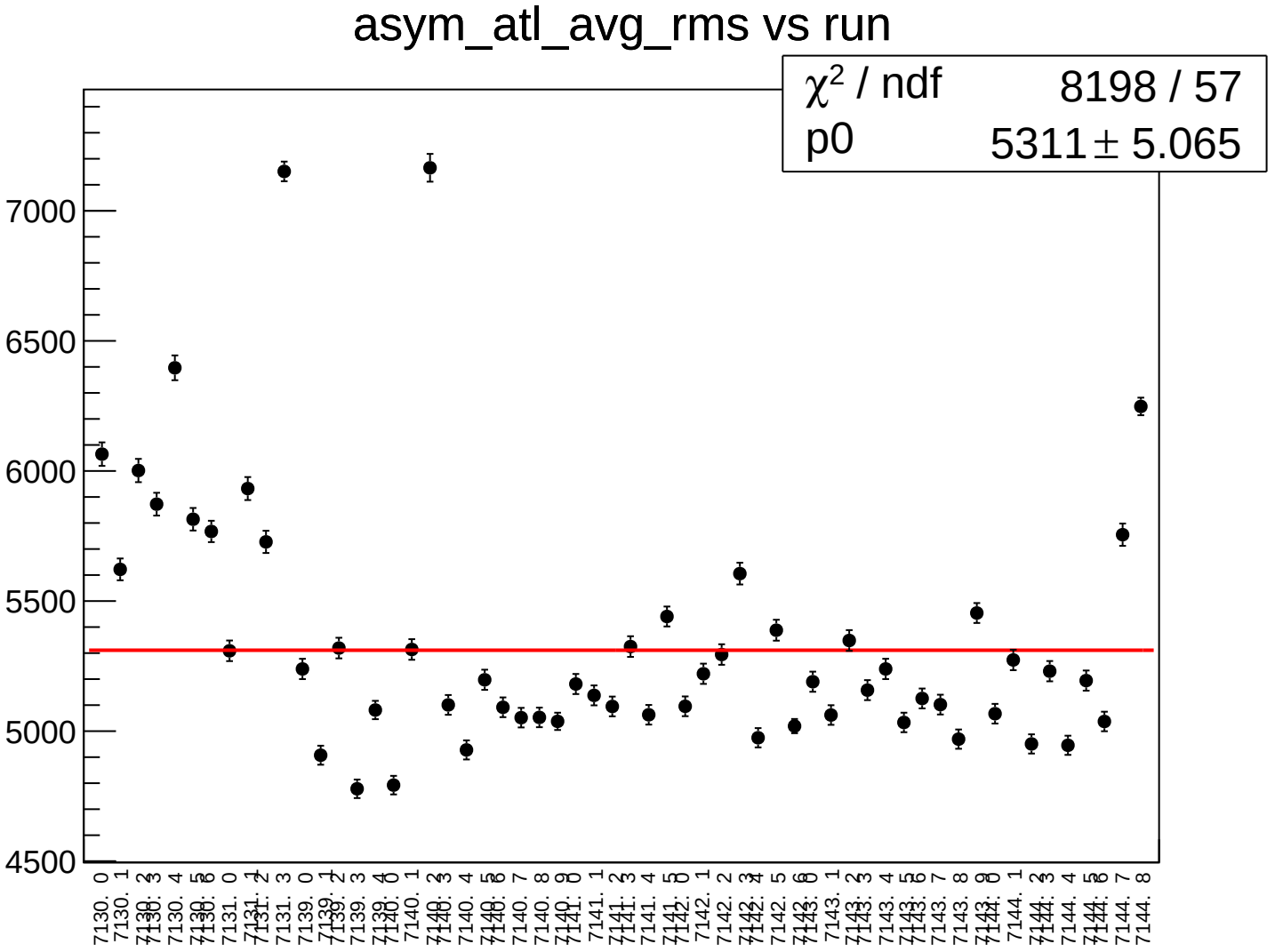

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 61.22 / 57
p0 −196.5 ± 6874
pull
Entries 58
Mean −935.9
Std Dev 966.4

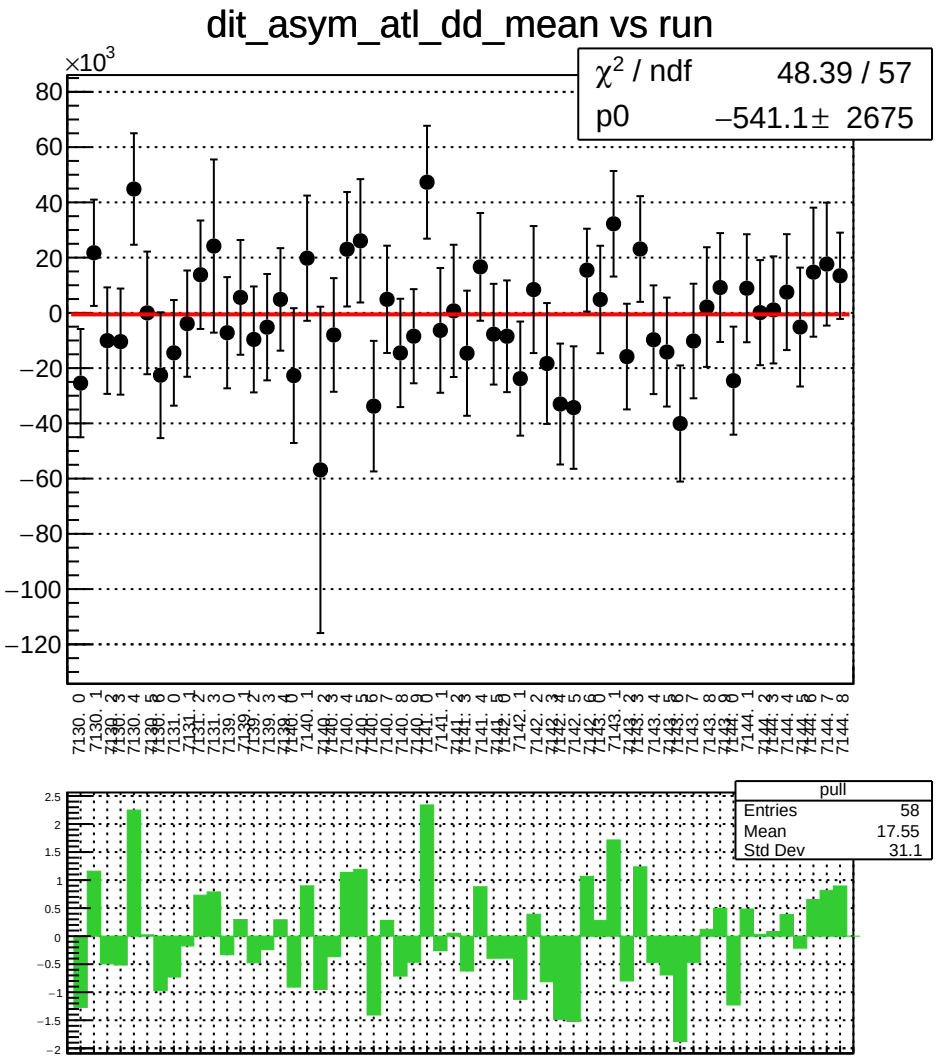

pull1D
Entries 58
Mean −0.00639
Std Dev 1.027

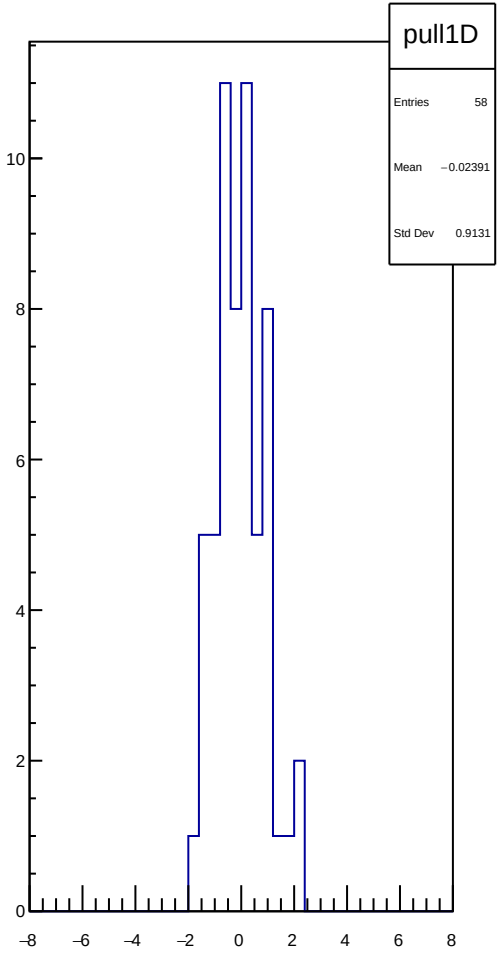

asym_atl_avg_correction_rms vs run
χ² / ndf 5456 / 57
p0 5103 ± 4.861
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

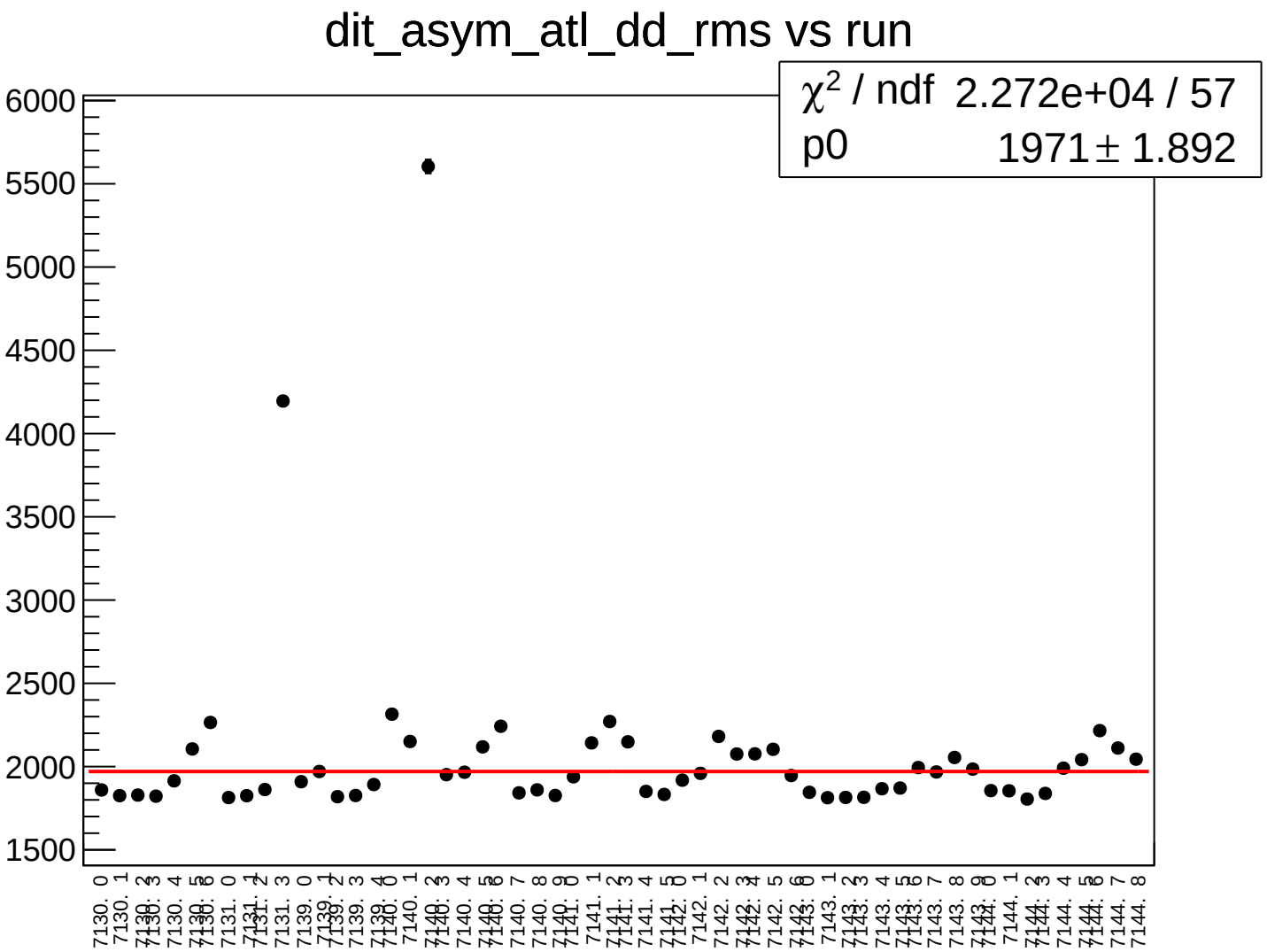

asym_atl_avg_mean vs run
×10^3
χ² / ndf 56.15 / 57
p0 −1588 ± 7163
pull
Entries 58
Mean −220.2
Std Dev 252.3

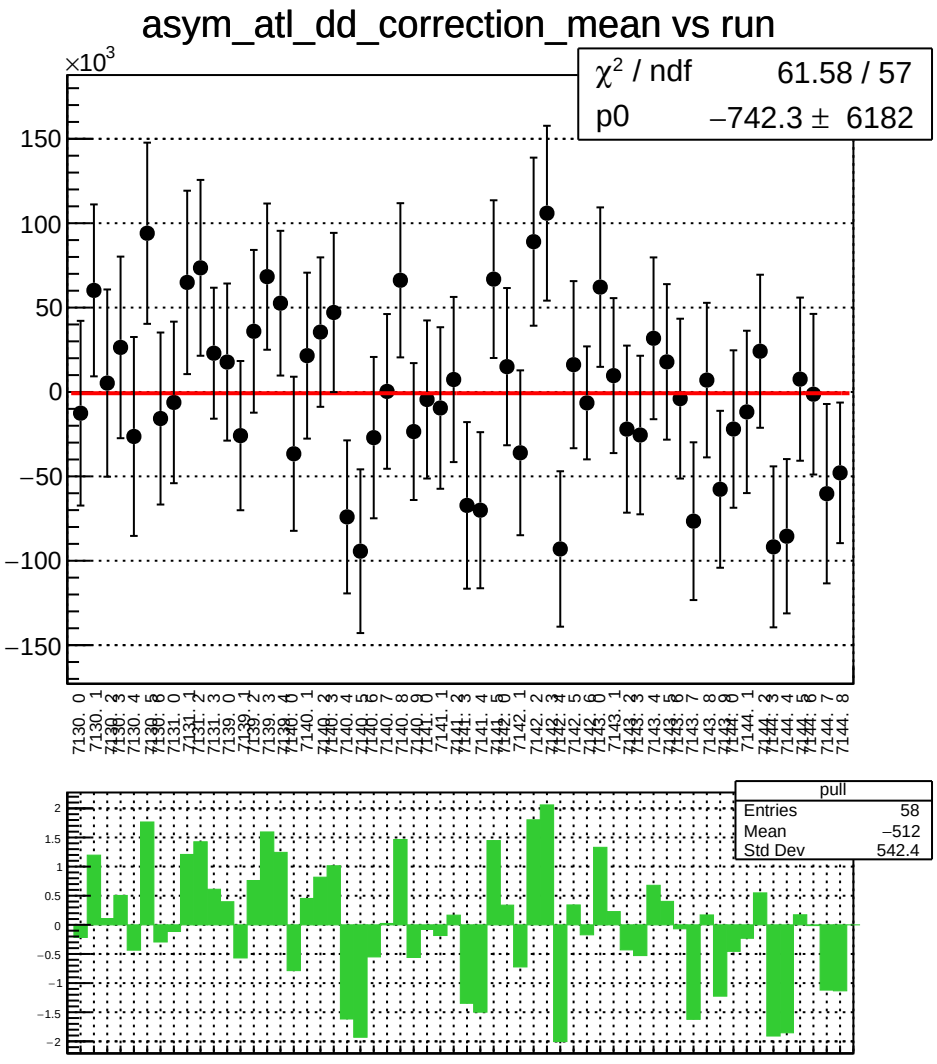

pull1D
Entries 58
Mean 0.01654
Std Dev 0.9838

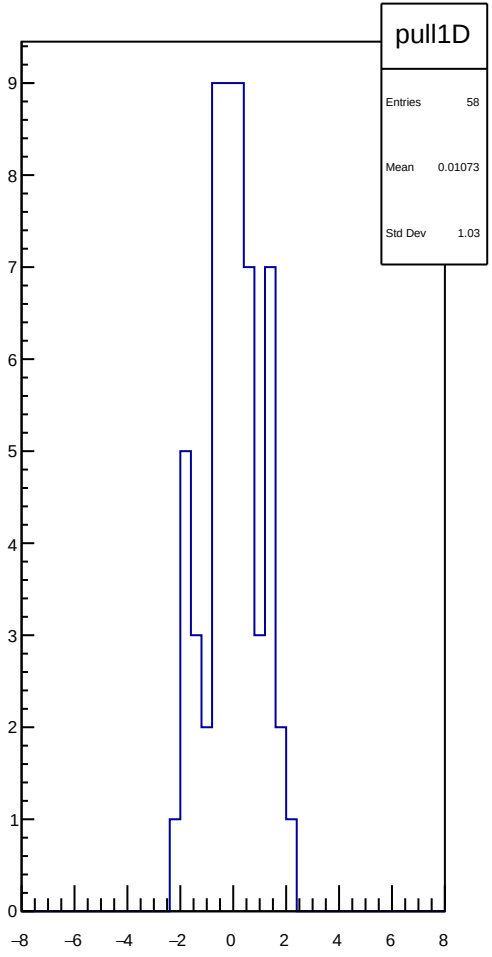

asym_atl_avg_rms vs run
χ² / ndf 8198 / 57
p0 5311 ± 5.065
7000
6500
6000
5500
5000
4500


dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 48.39 / 57
p0 −541.1± 2675
pull
Entries 58
Mean 17.55
Std Dev 31.1

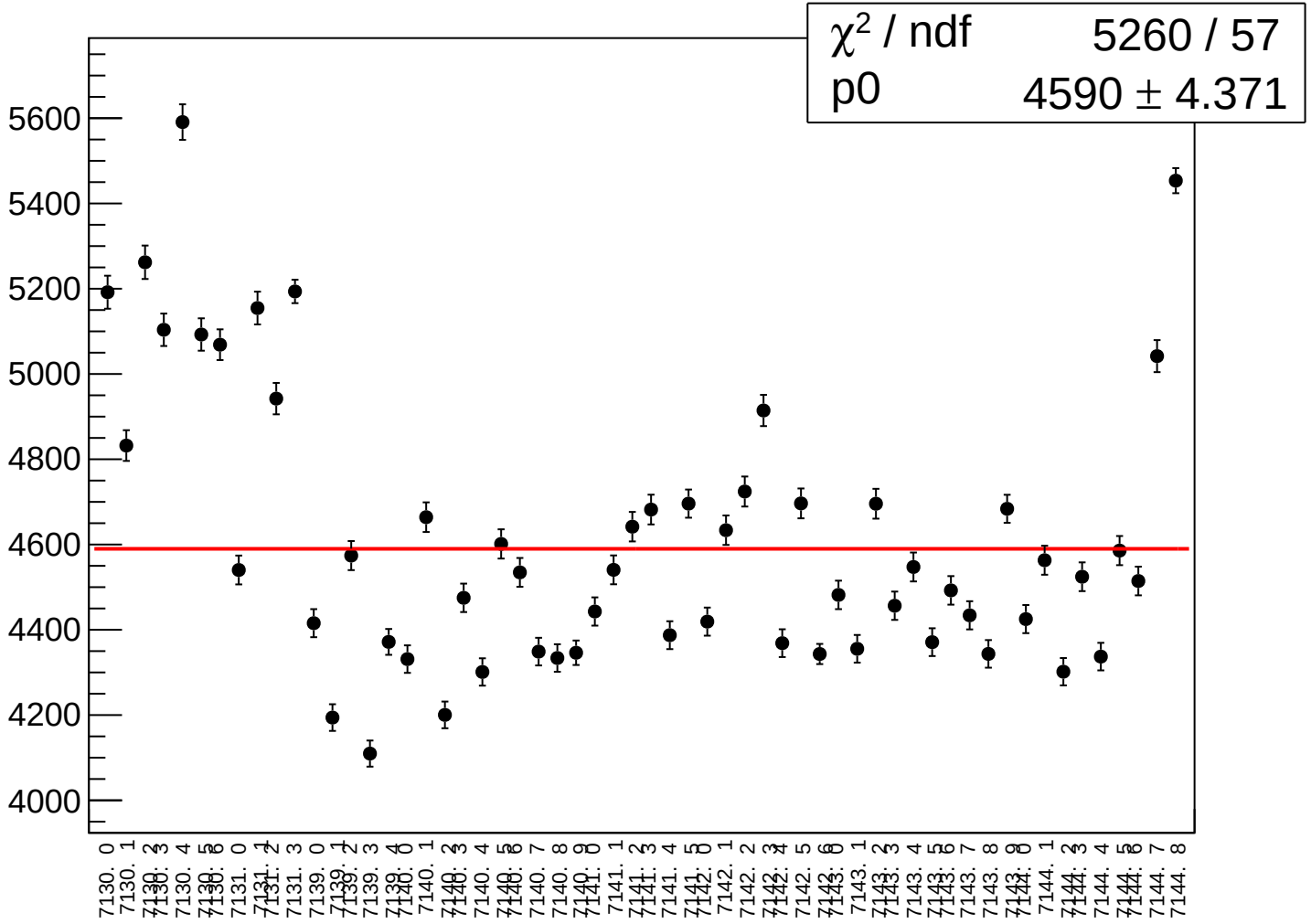

pull1D
Entries 58
Mean −0.02391
Std Dev 0.9131

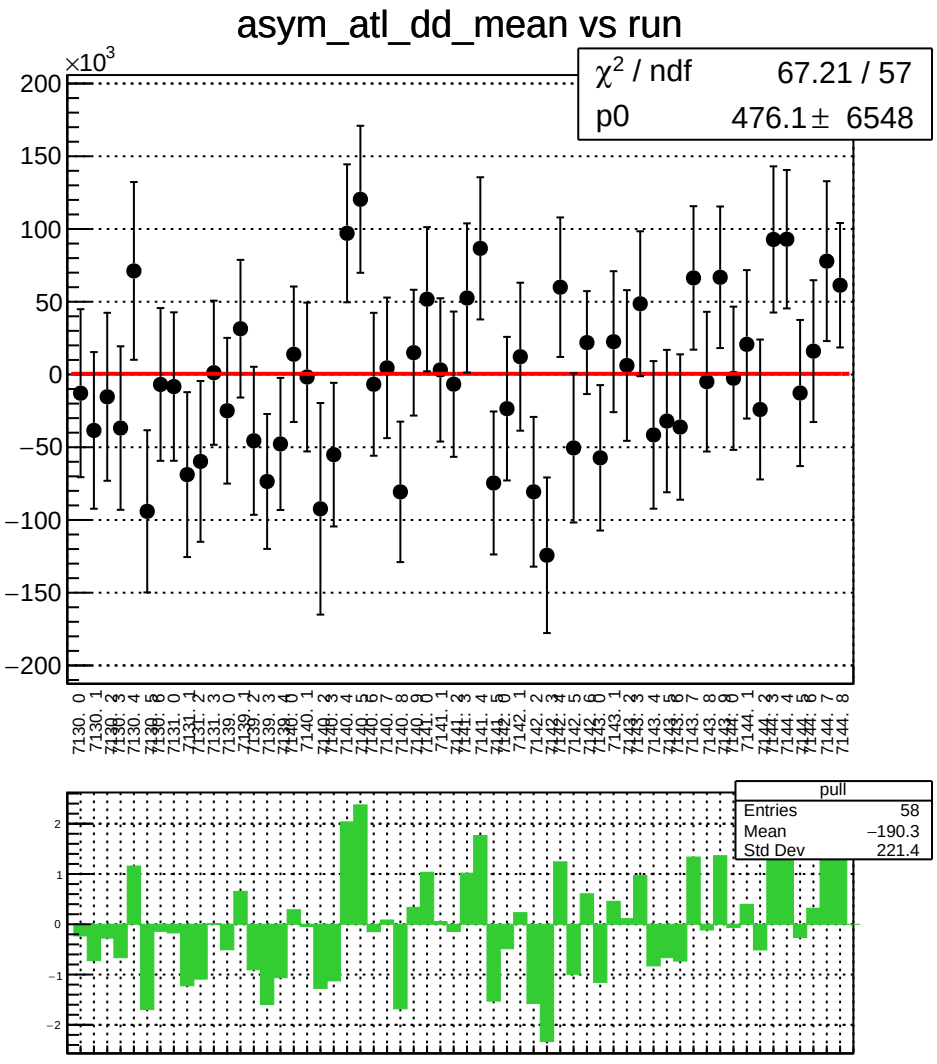

dit_asym_atl_dd_rms vs run
χ2 / ndf 2.272e+04 / 57
p0 1971 ± 1.892
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

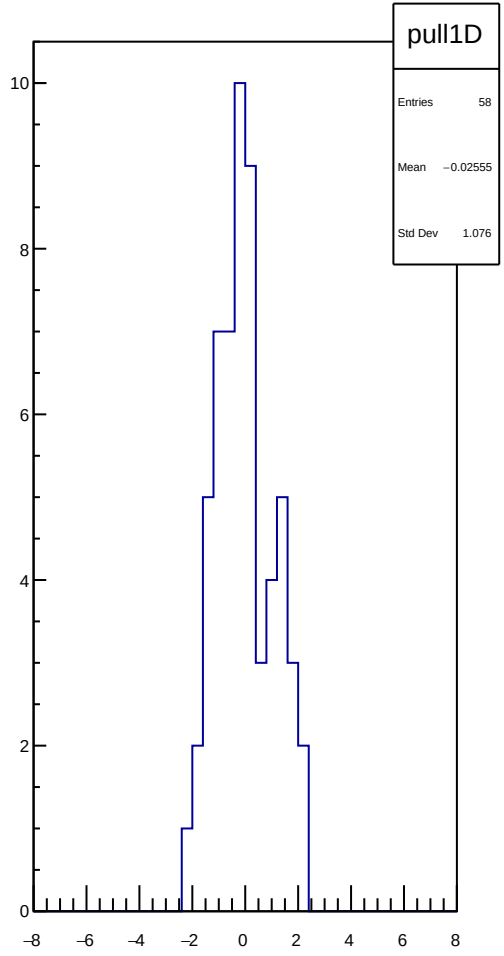

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 61.58 / 57
p0 −742.3 ± 6182
pull
Entries 58
Mean −512
Std Dev 542.4

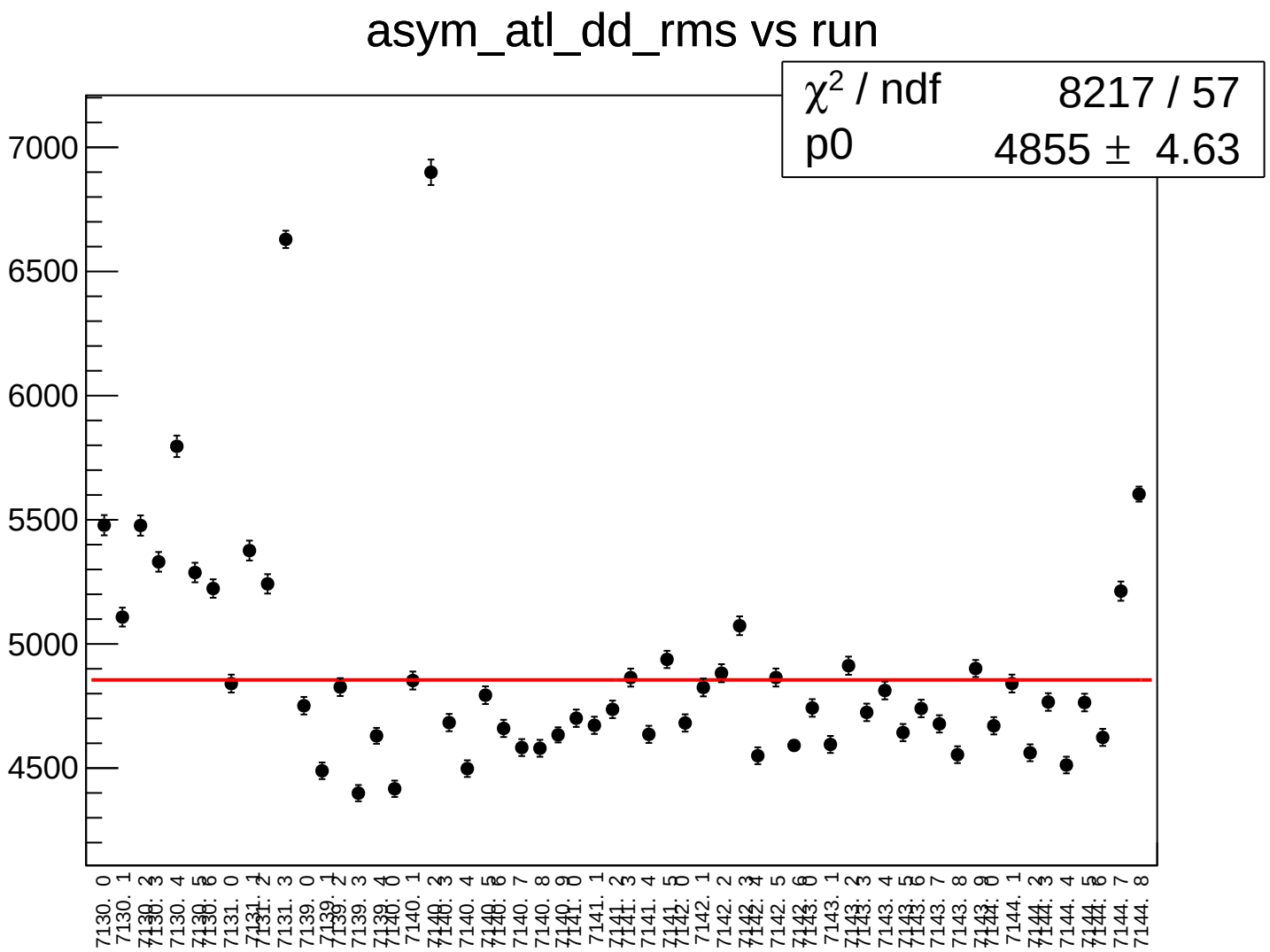

pull1D
Entries 58
Mean 0.01073
Std Dev 1.03

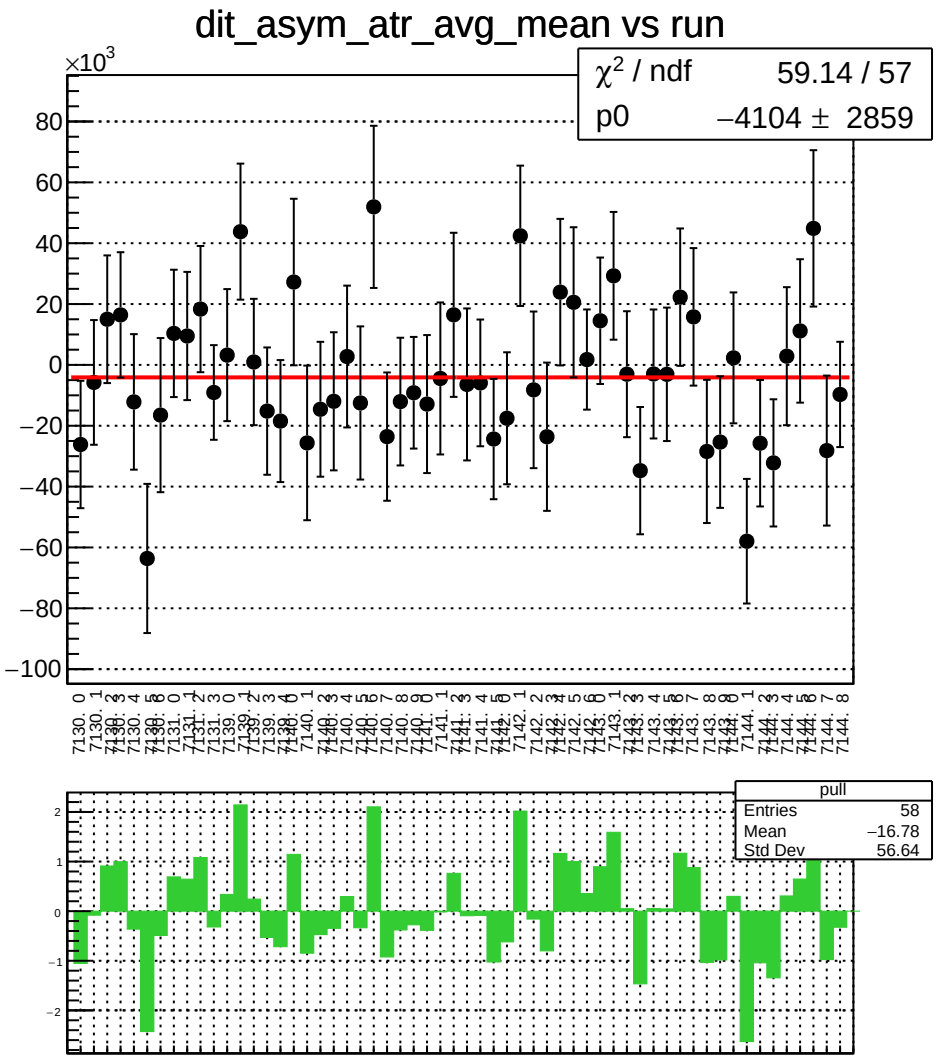
asym_atl_dd_correction_rms vs run

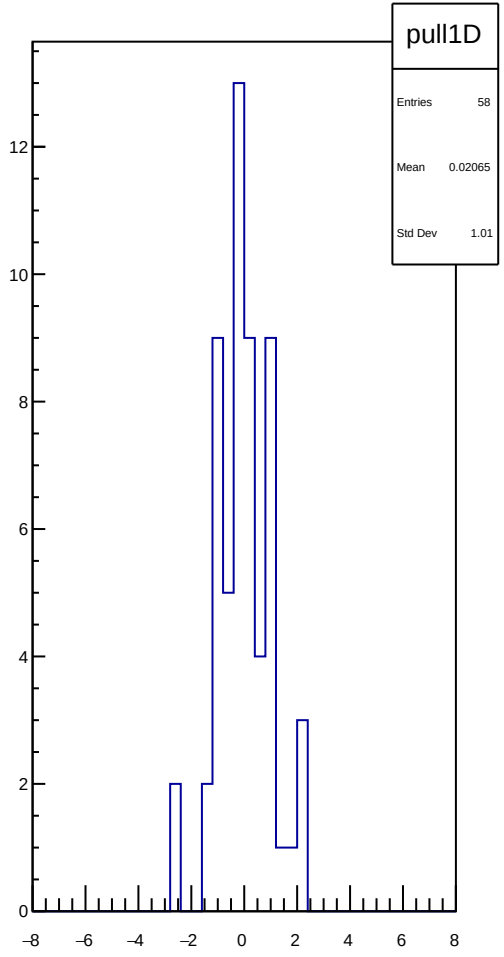


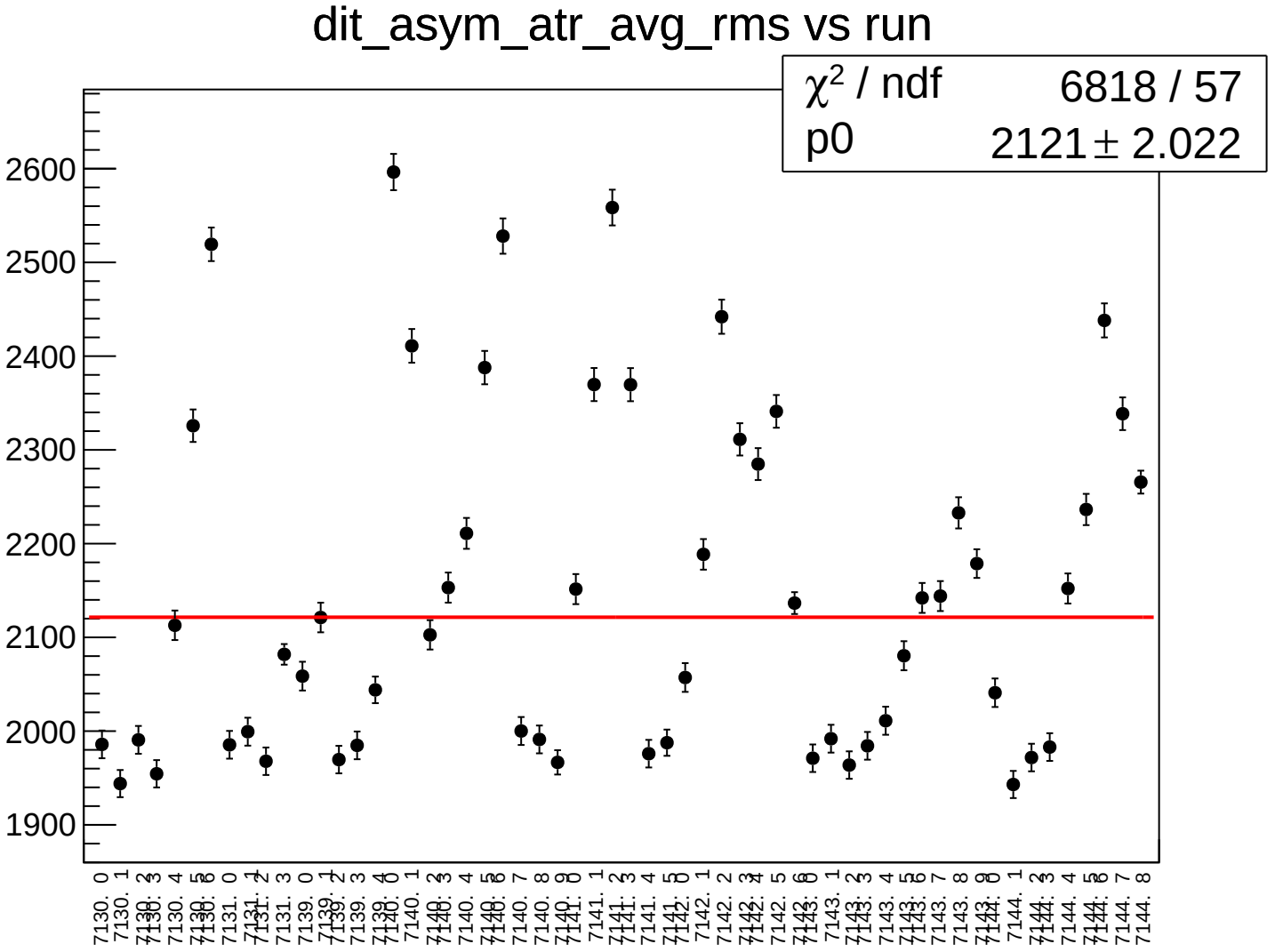

asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.21 / 57
p0 476.1 ± 6548
pull
Entries 58
Mean −190.3
Std Dev 221.4

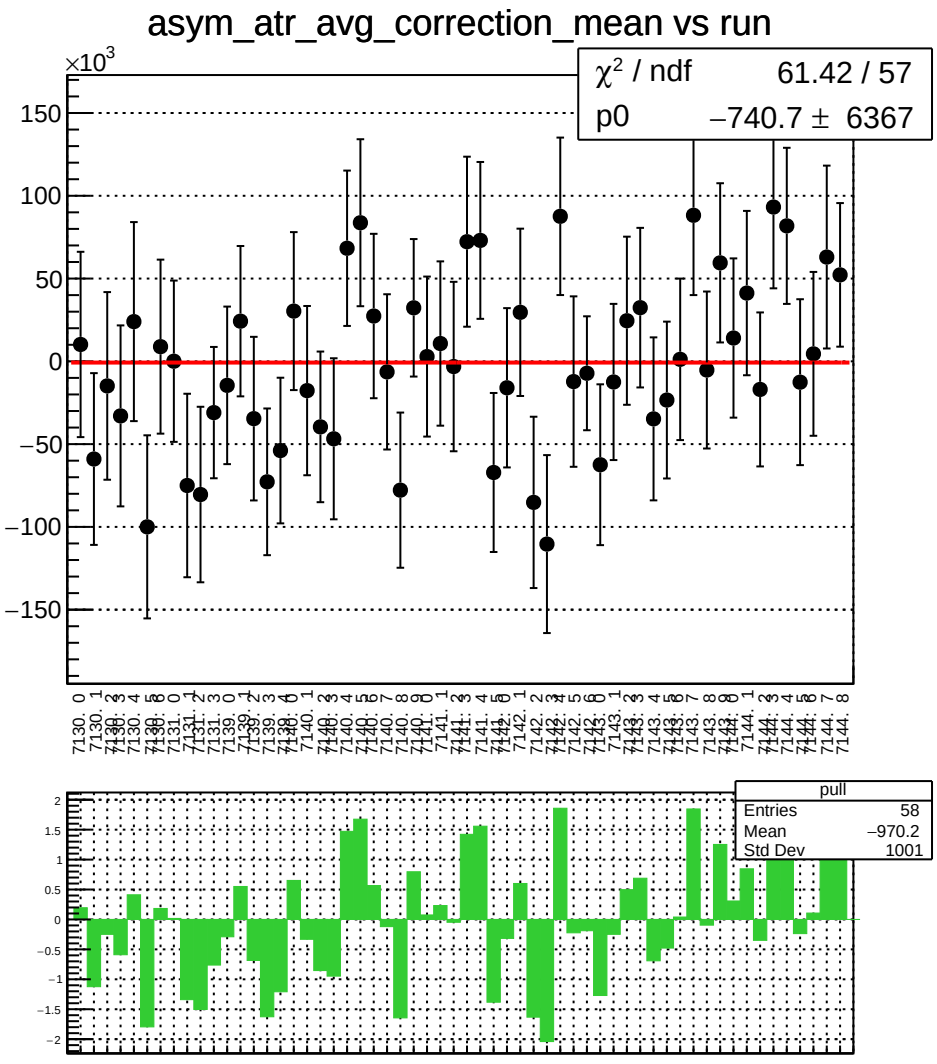

pull1D
Entries 58
Mean −0.02555
Std Dev 1.076

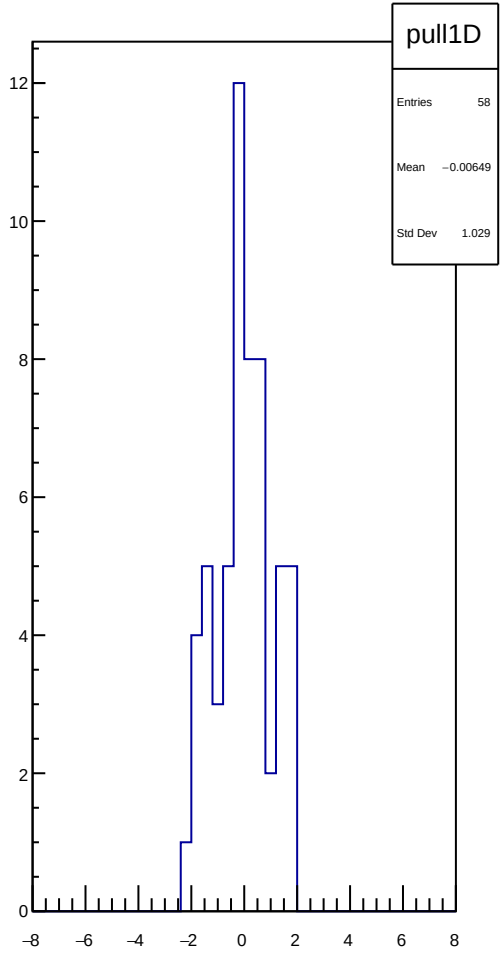

asym_atl_dd_rms vs run
χ² / ndf 8217 / 57
p0 4855 ± 4.63
7000
6500
6000
5500
5000
4500


dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 59.14 / 57
p0 −4104 ± 2859
pull
Entries 58
Mean −16.78
Std Dev 56.64

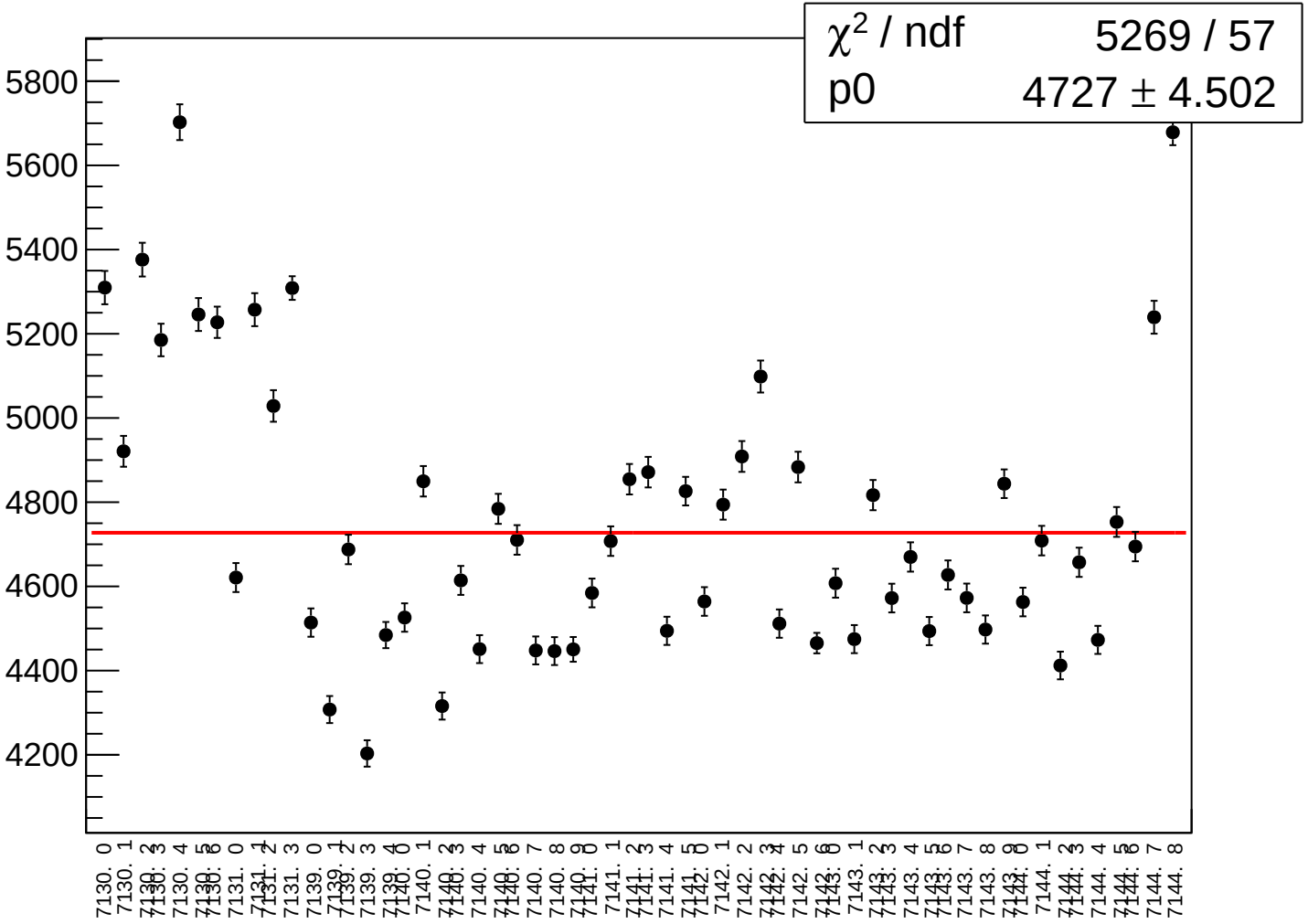

pull1D
Entries 58
Mean 0.02065
Std Dev 1.01

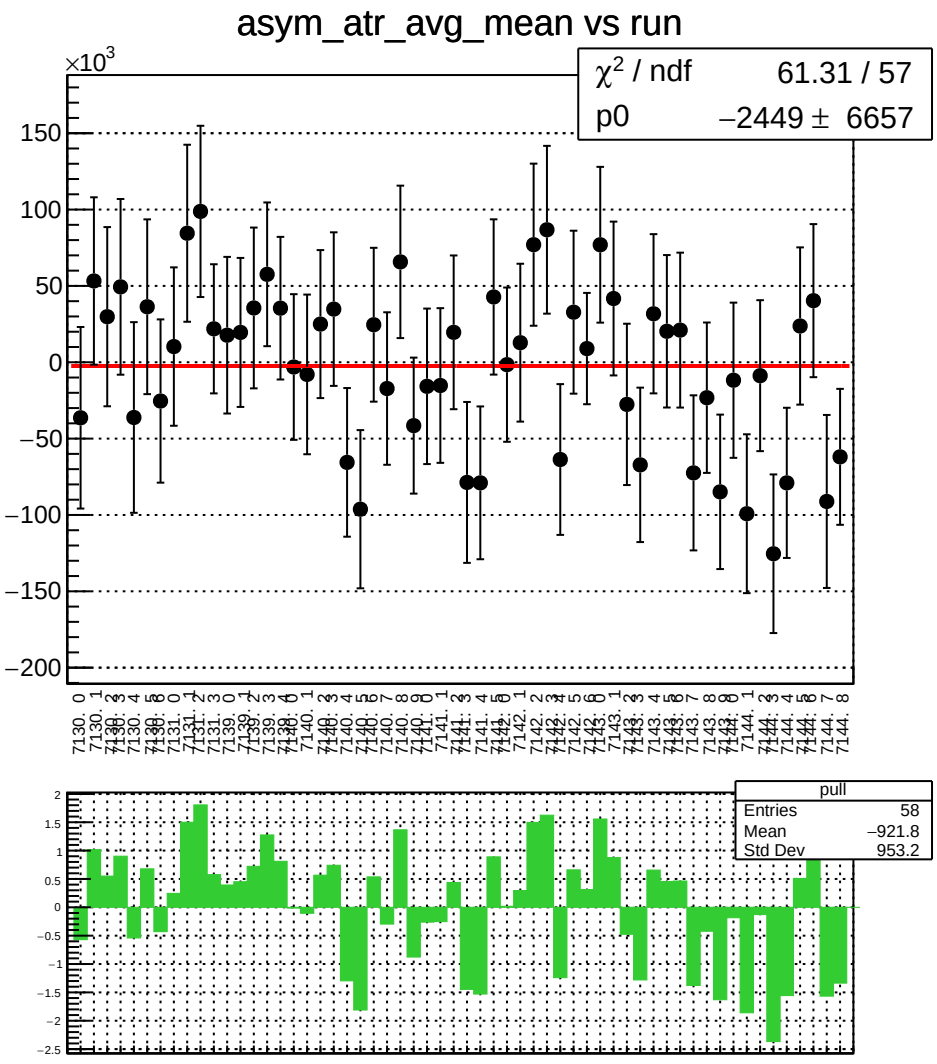

dit_asym_atr_avg_rms vs run
χ^2 / ndf 6818 / 57
p0 2121 ± 2.022
2600
2500
2400
2300
2200
2100
2000
1900

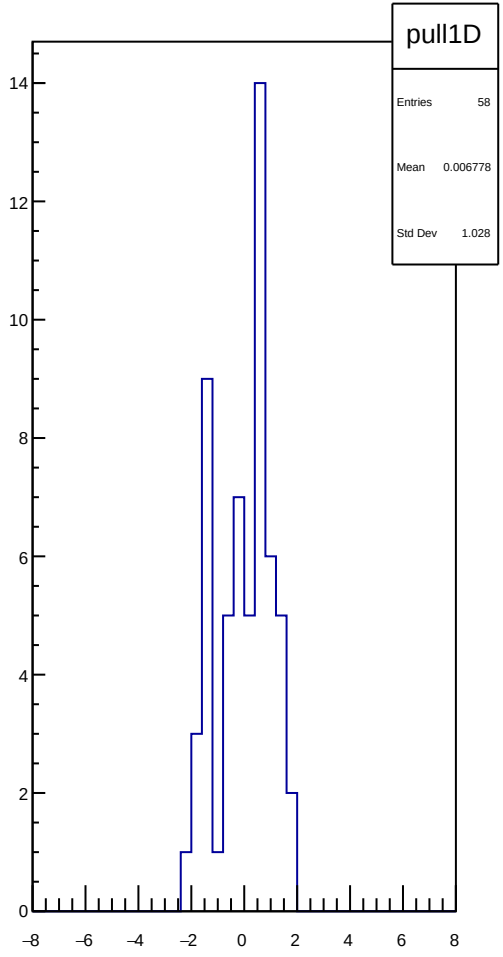

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 61.42 / 57
p0 −740.7 ± 6367
pull
Entries 58
Mean −970.2
Std Dev 1001

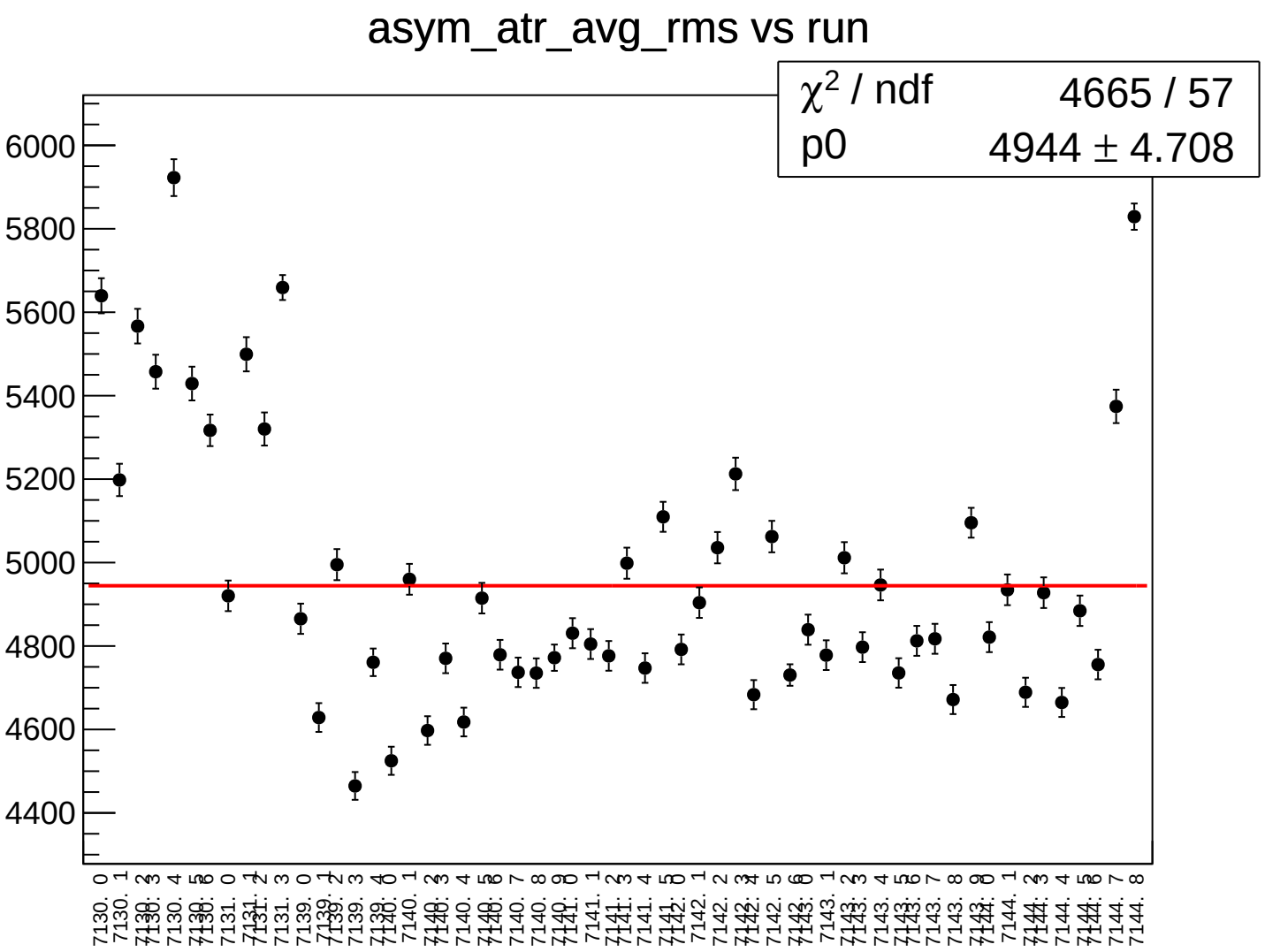

pull1D
Entries 58
Mean −0.00649
Std Dev 1.029

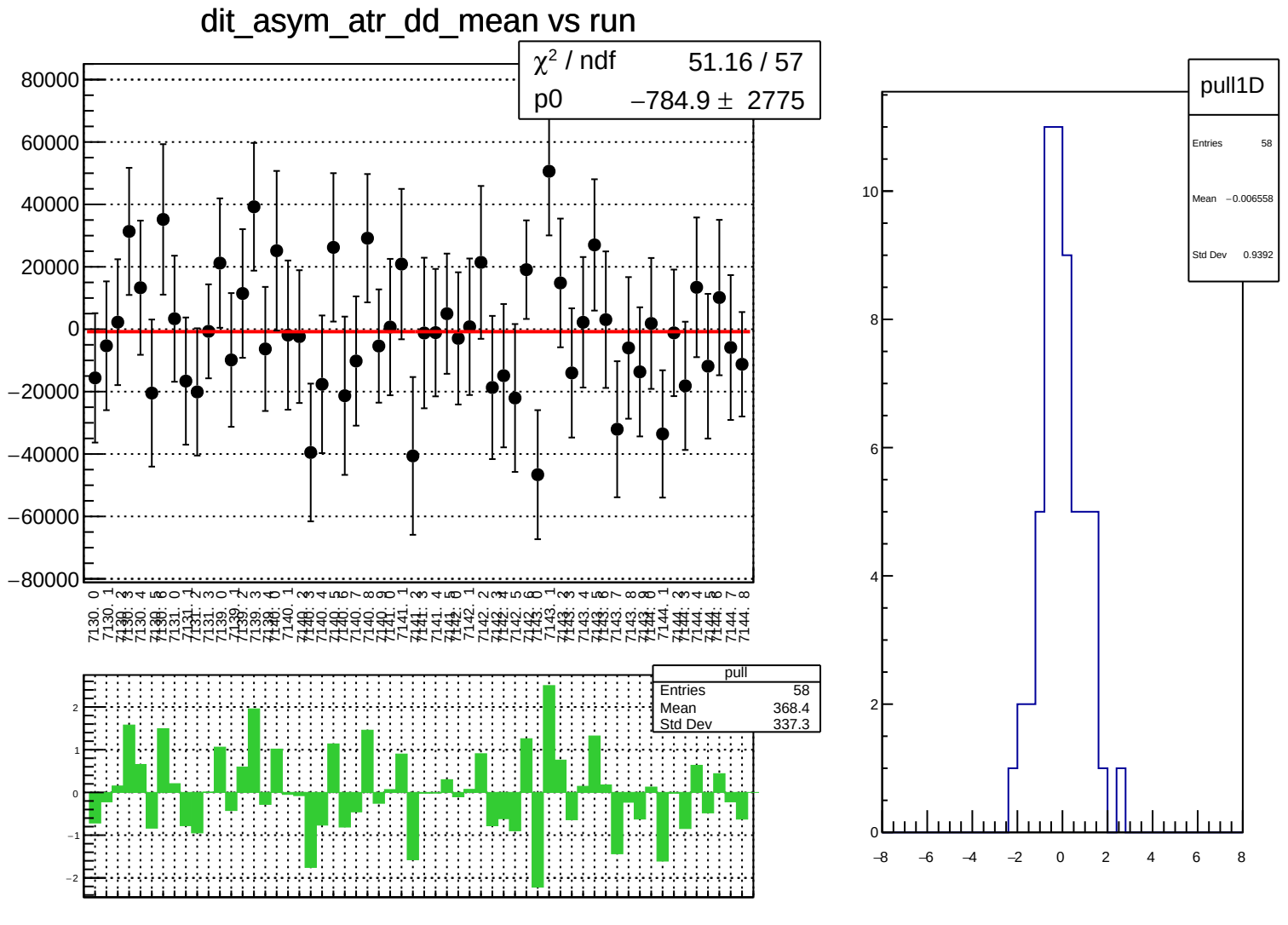
asym_atr_avg_correction_rms vs run

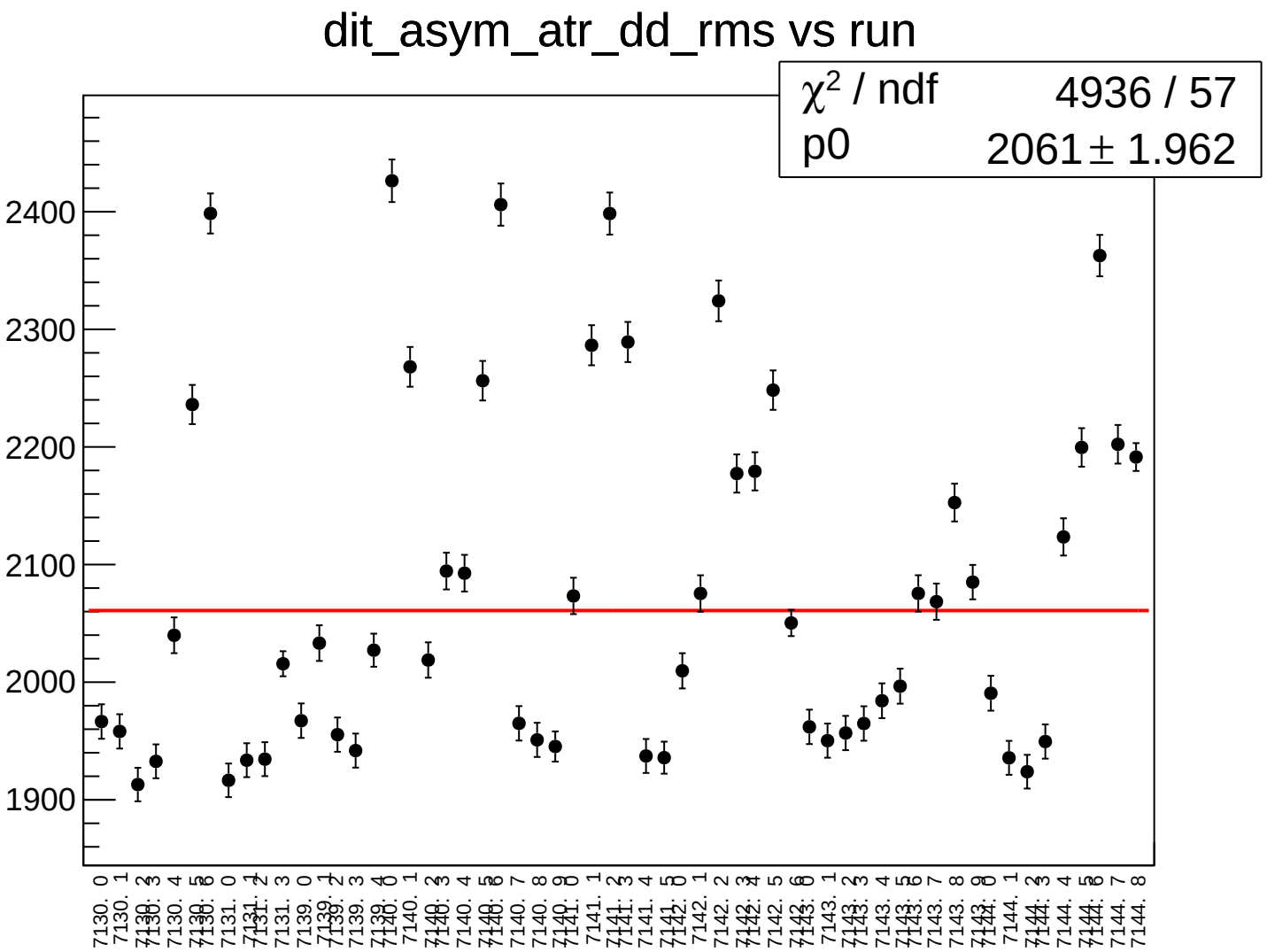


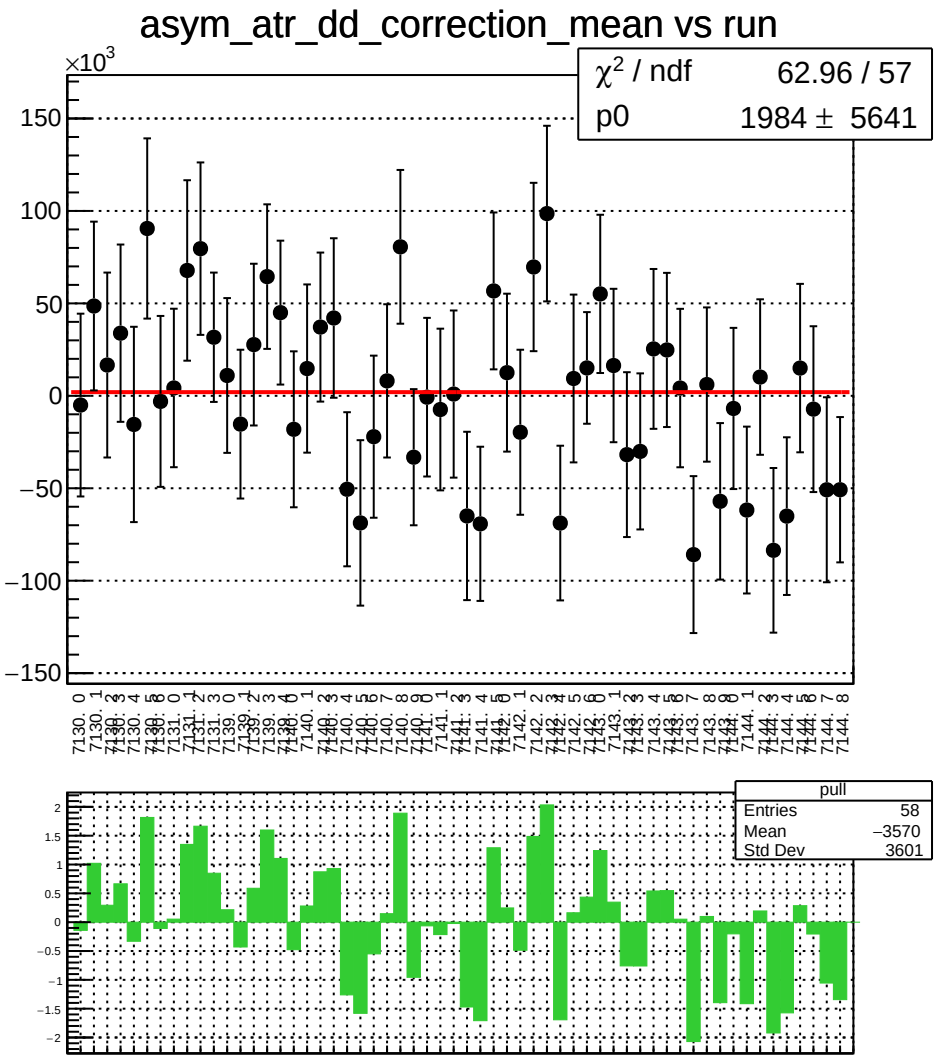

asym_atr_avg_mean vs run
×10^3
χ² / ndf 61.31 / 57
p0 −2449 ± 6657
pull
Entries 58
Mean −921.8
Std Dev 953.2

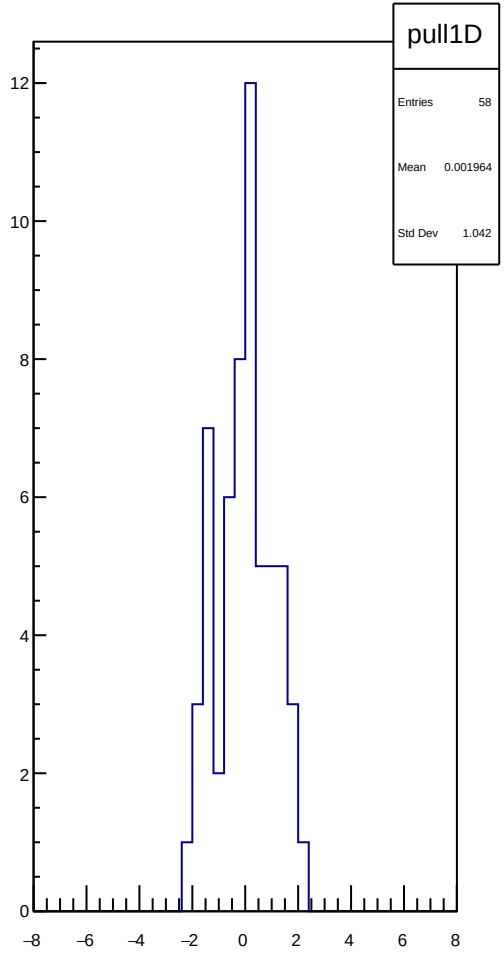

pull1D
Entries 58
Mean 0.006778
Std Dev 1.028

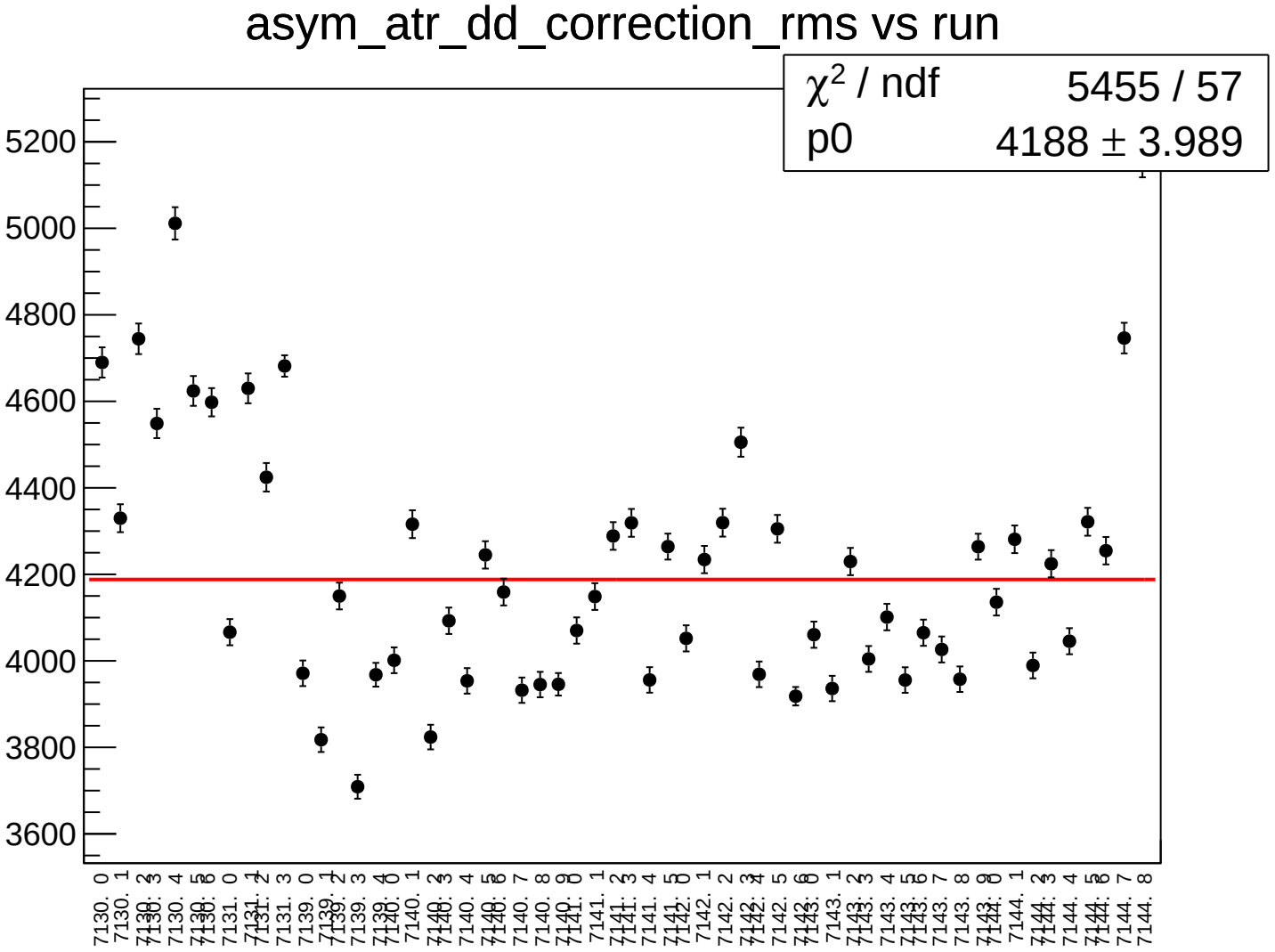

asym_atr_avg_rms vs run
χ² / ndf 4665 / 57
p0 4944 ± 4.708
6000
5800
5600
5400
5200
5000
4800
4600
4400

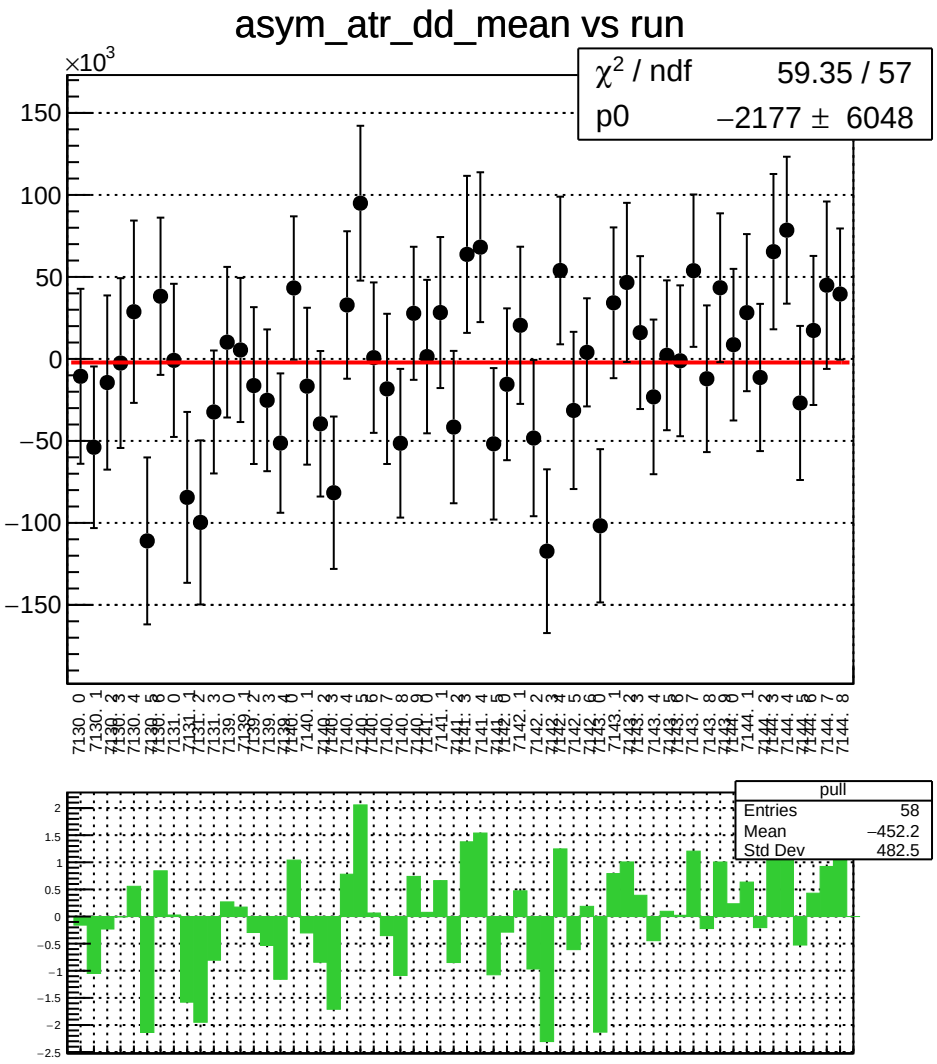

dit_asym_atr_dd_mean vs run
χ² / ndf 51.16 / 57
p0 −784.9 ± 2775
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 58
Mean 368.4
Std Dev 337.3
pull1D
Entries 58
Mean −0.006558
Std Dev 0.9392

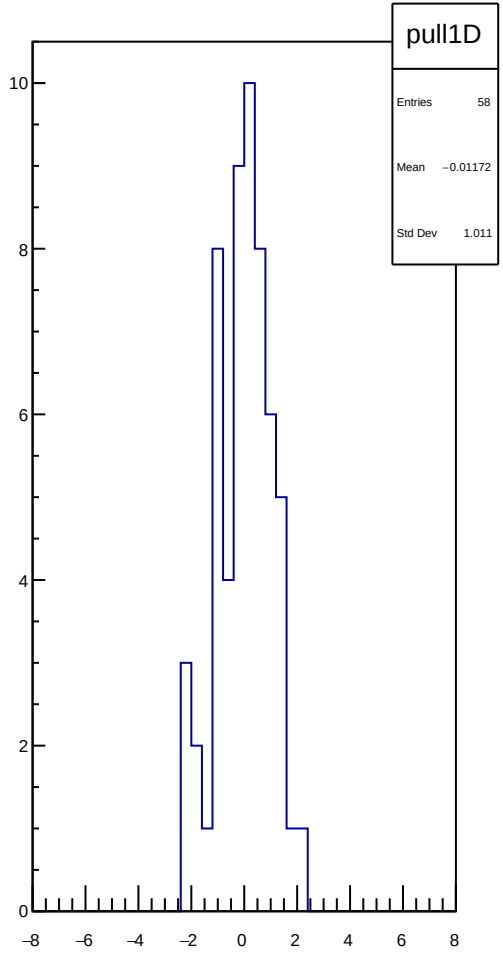

dit_asym_atr_dd_rms vs run
χ² / ndf 4936 / 57
p0 2061 ± 1.962
2400
2300
2200
2100
2000
1900
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

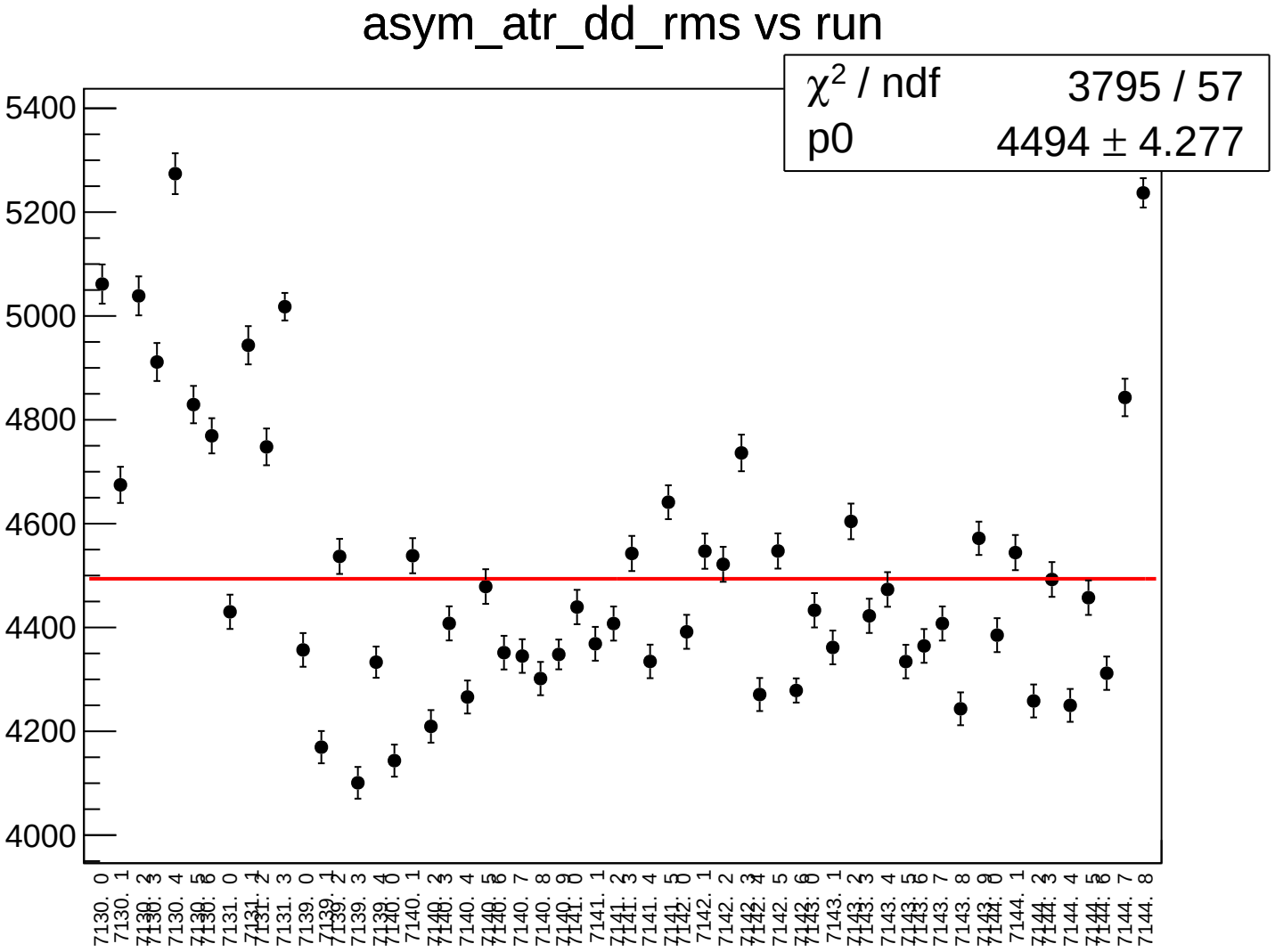

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 62.96 / 57
p0 1984 ± 5641
pull
Entries 58
Mean −3570
Std Dev 3601

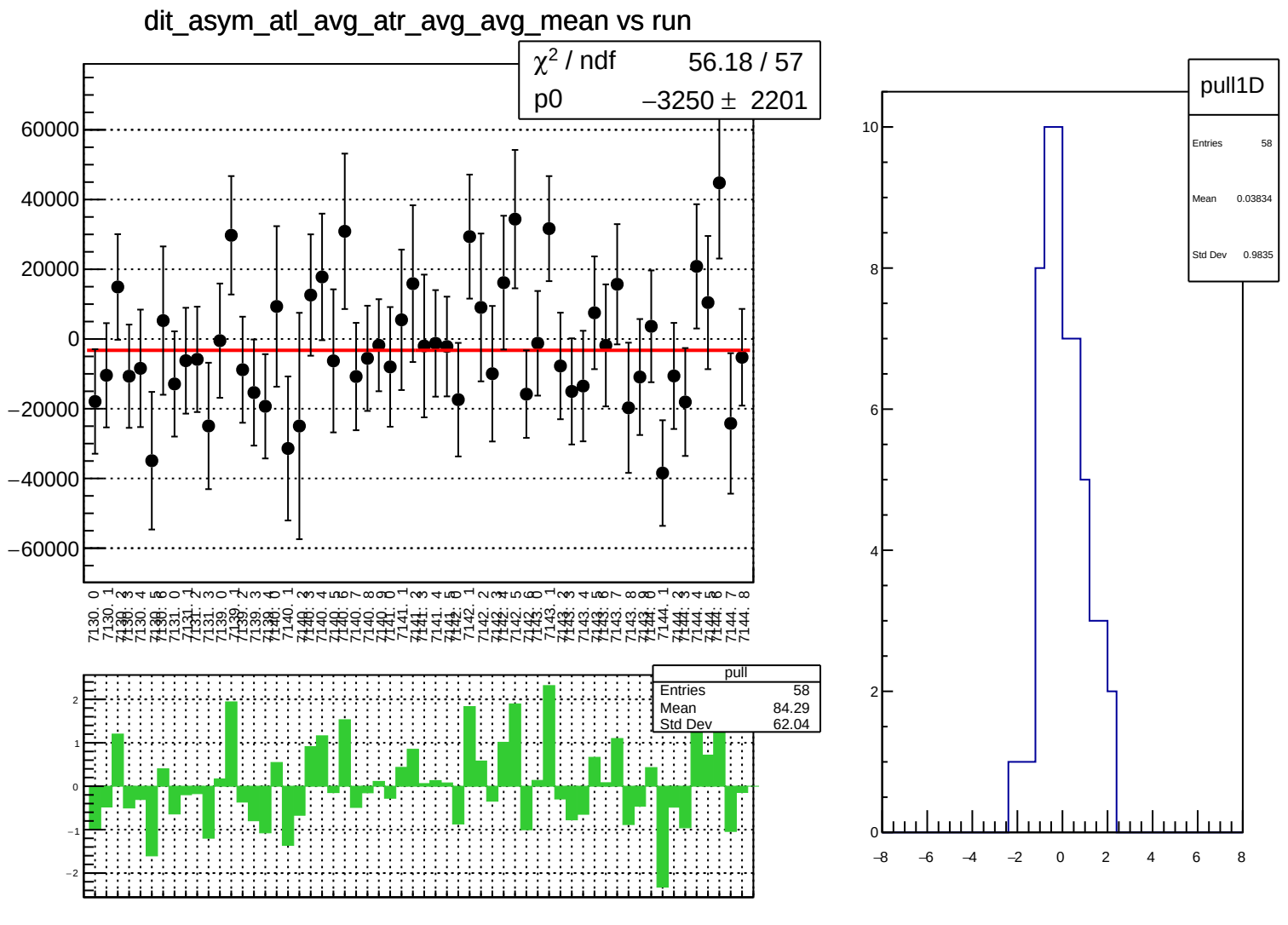

pull1D
Entries 58
Mean 0.001964
Std Dev 1.042

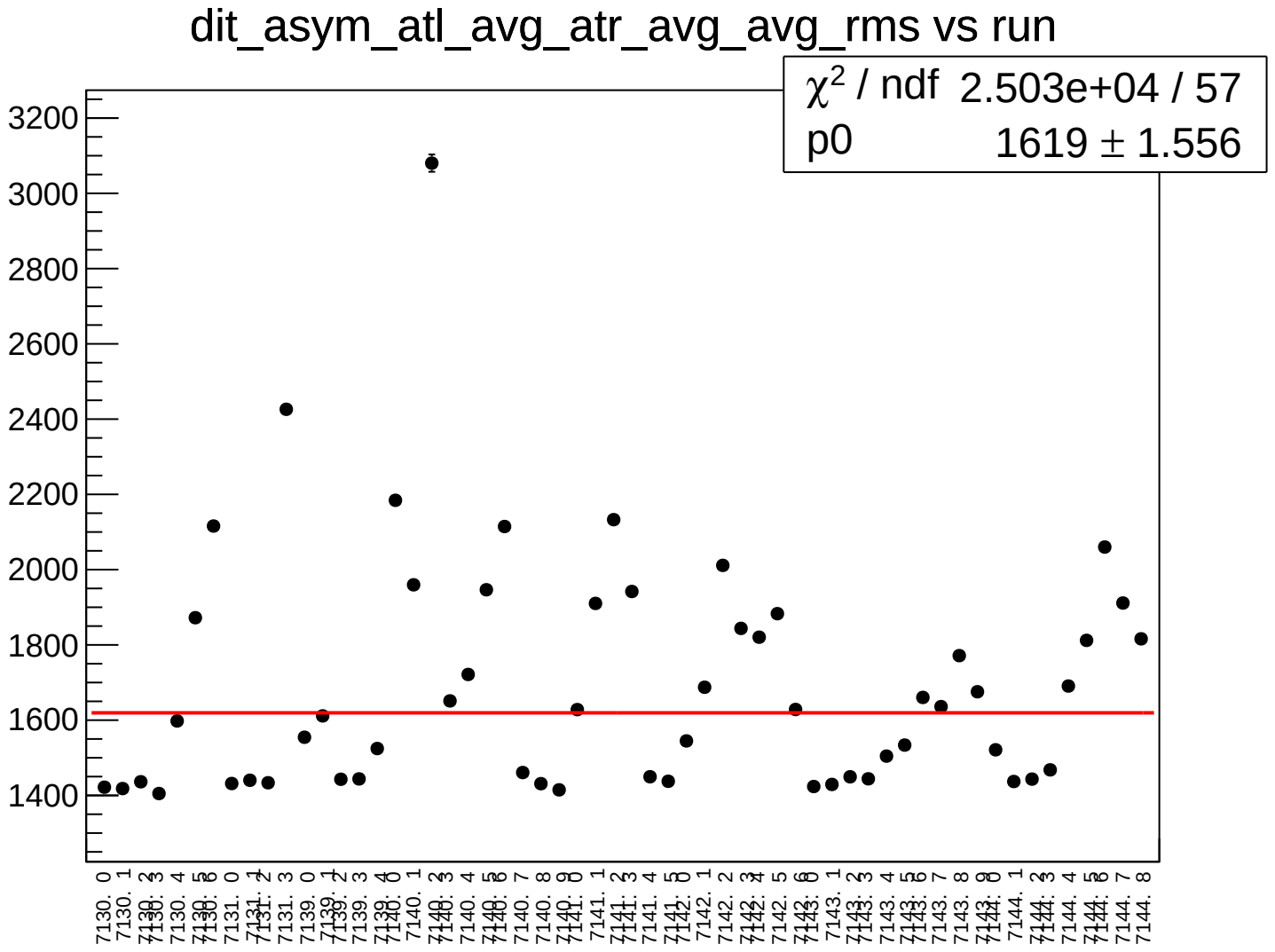

asym_atr_dd_correction_rms vs run
χ² / ndf 5455 / 57
p0 4188 ± 3.989
5200
5000
4800
4600
4400
4200
4000
3800
3600

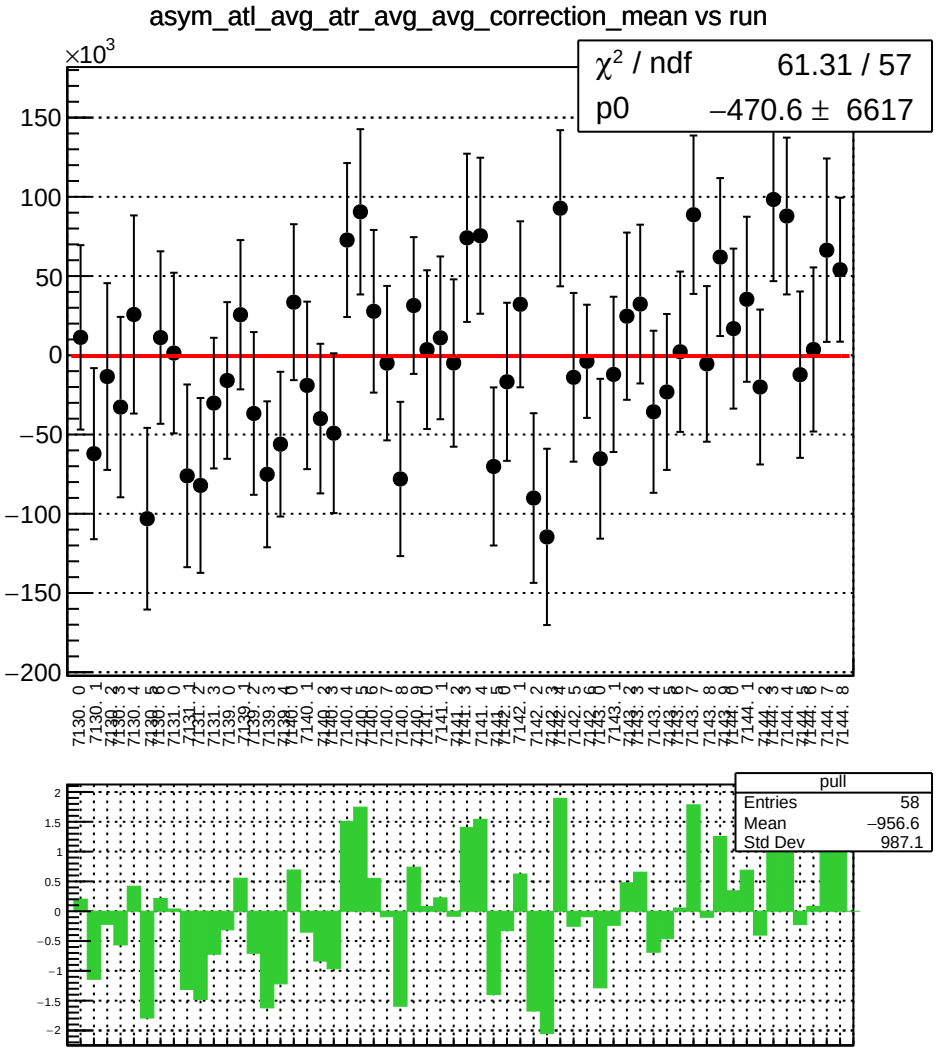

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 59.35 / 57
p0 −2177 ± 6048
pull
Entries 58
Mean −452.2
Std Dev 482.5

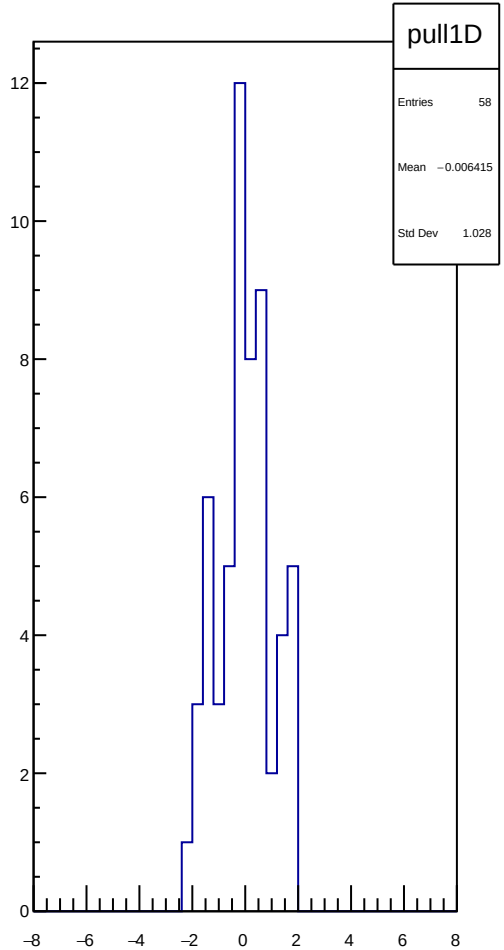

pull1D
Entries 58
Mean −0.01172
Std Dev 1.011

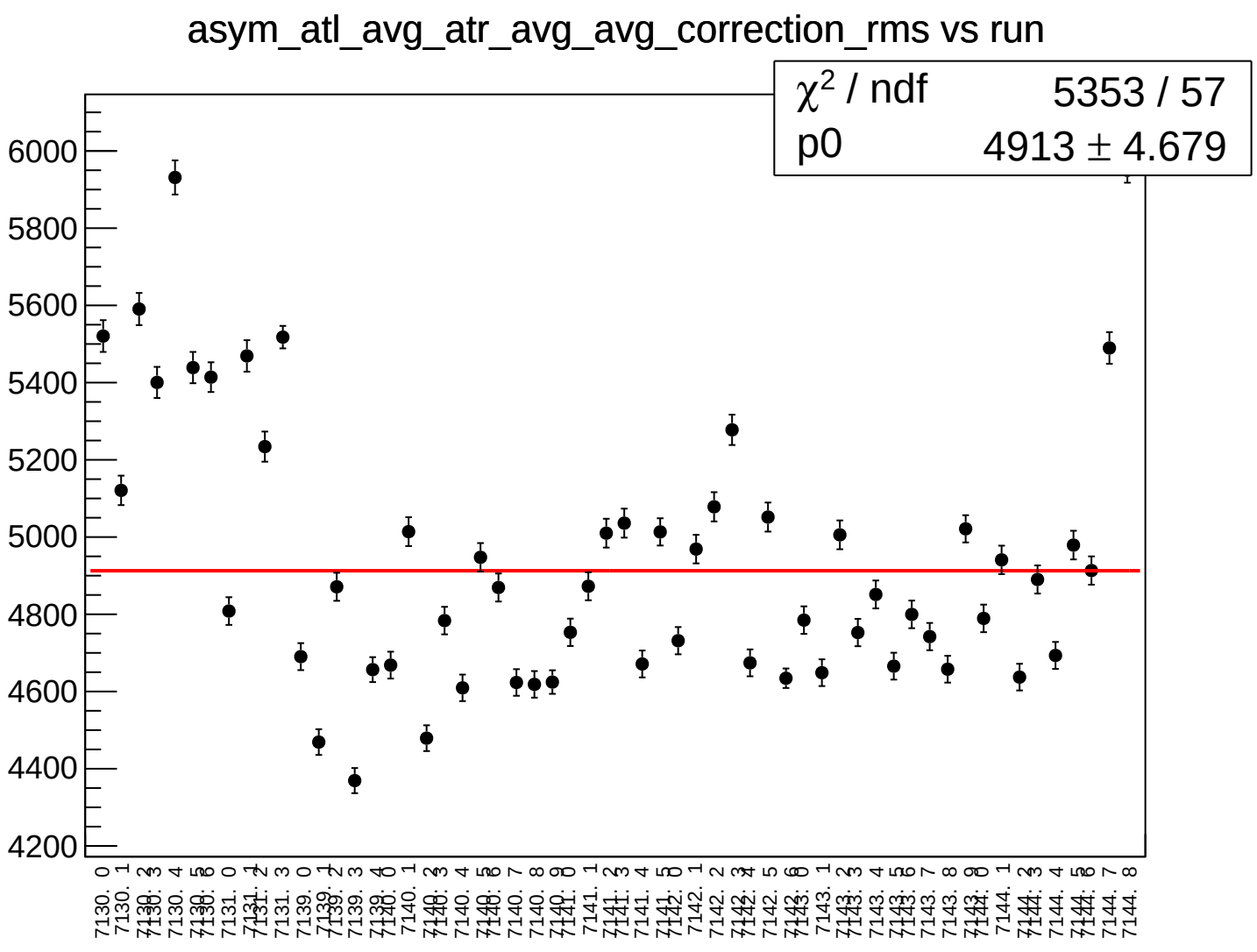

asym_atr_dd_rms vs run
χ^2 / ndf 3795 / 57
p0 4494 ± 4.277
5400
5200
5000
4800
4600
4400
4200
4000

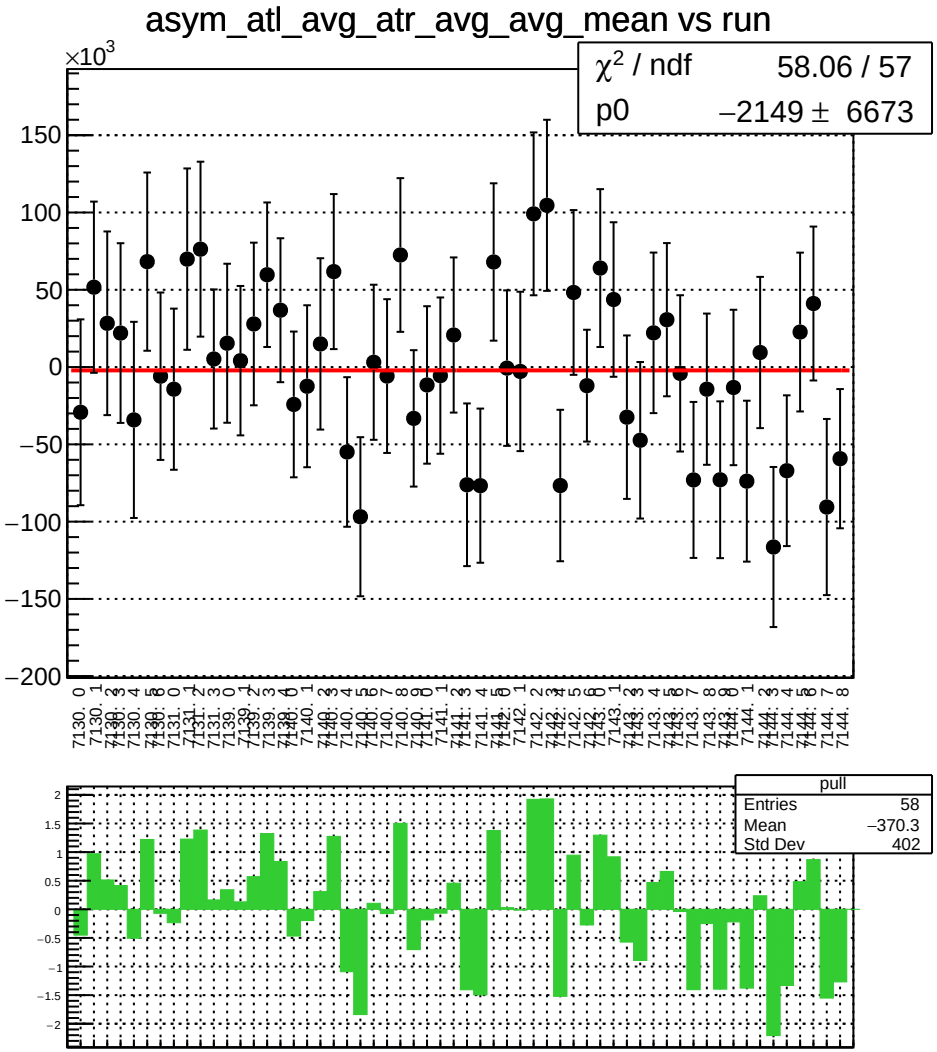

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 56.18 / 57
p0 −3250 ± 2201
pull
Entries 58
Mean 84.29
Std Dev 62.04
pull1D
Entries 58
Mean 0.03834
Std Dev 0.9835

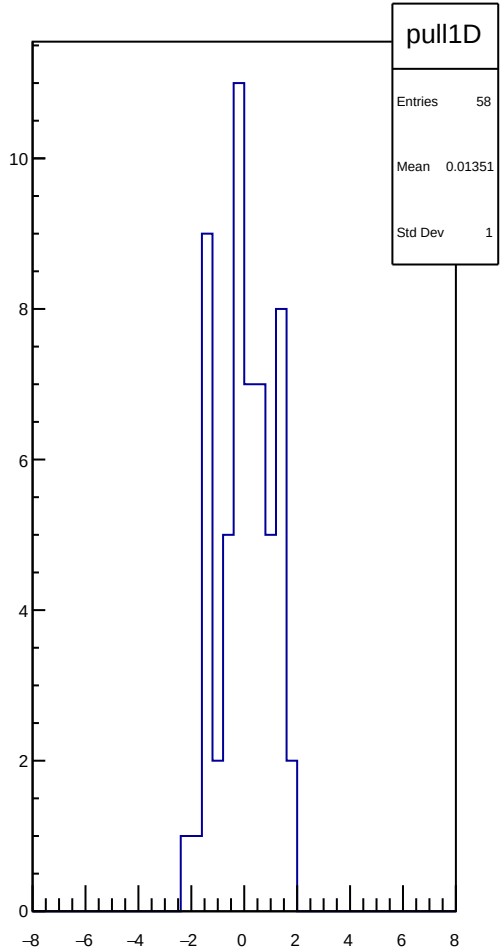

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 2.503e+04 / 57
p0 1619 ± 1.556
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

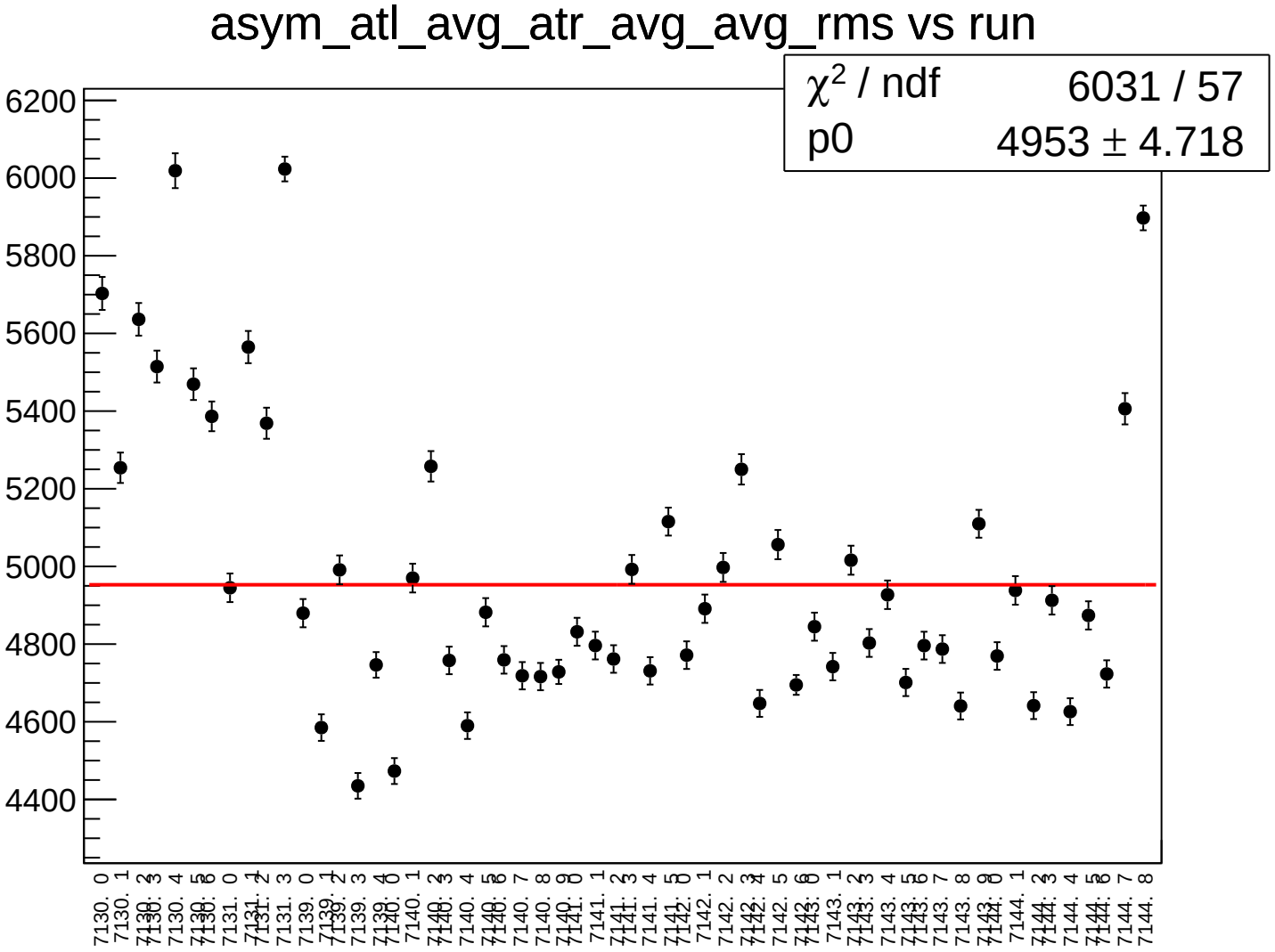

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 61.31 / 57
p0 −470.6 ± 6617
pull
Entries 58
Mean −956.6
Std Dev 987.1

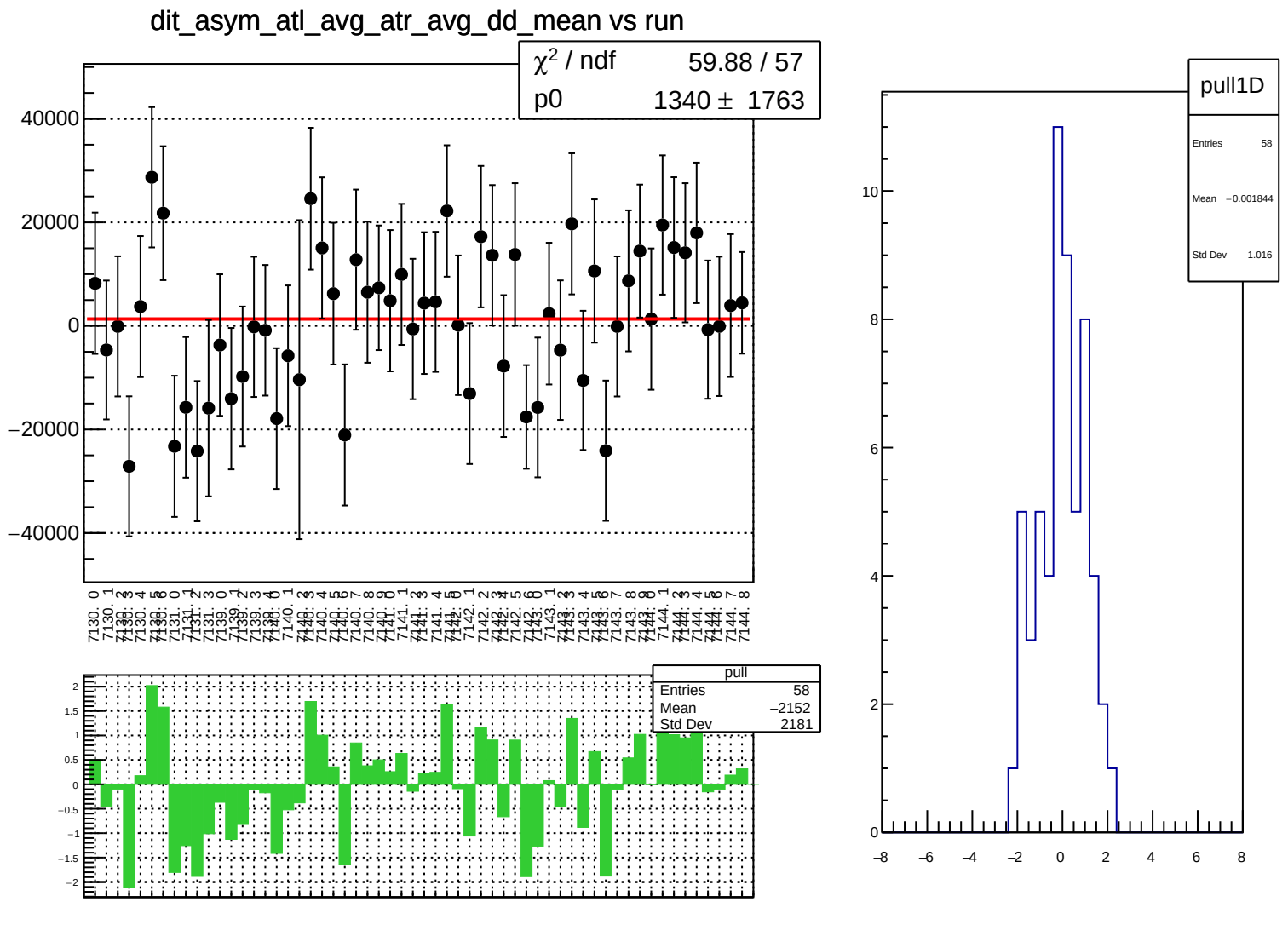

pull1D
Entries 58
Mean −0.006415
Std Dev 1.028

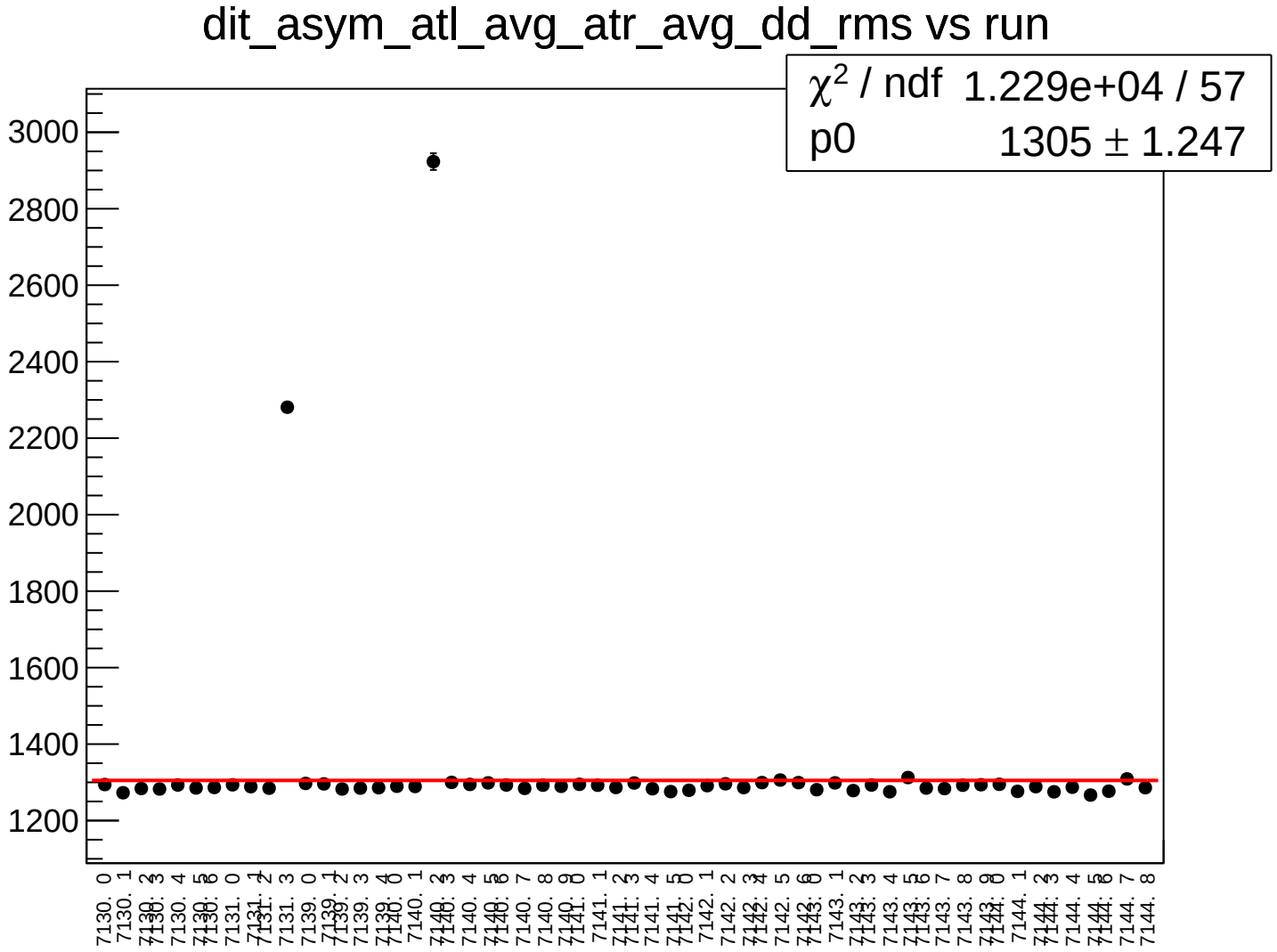

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5353 / 57
p0 4913 ± 4.679
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

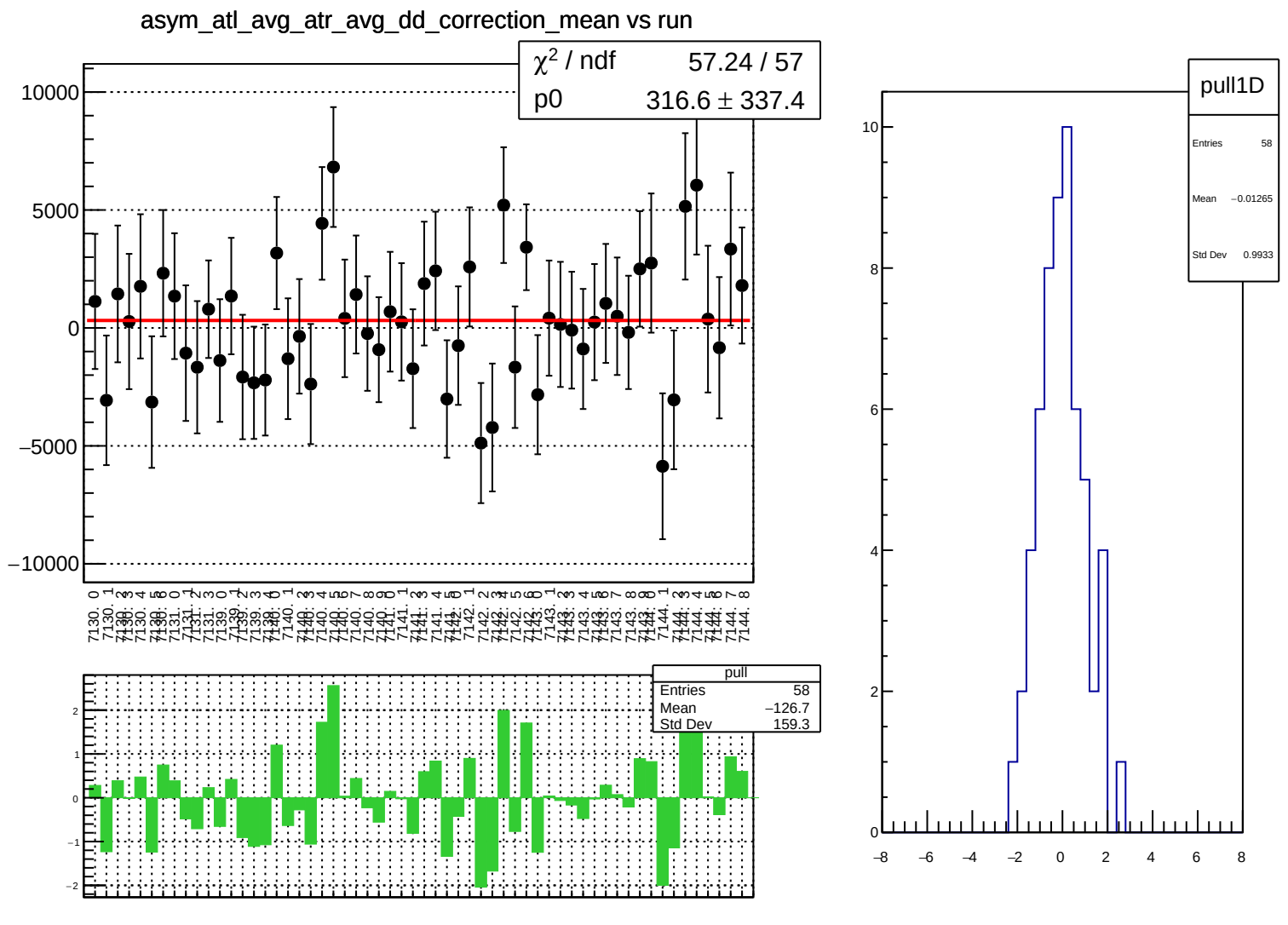

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 58.06 / 57
p0 −2149 ± 6673
pull
Entries 58
Mean −370.3
Std Dev 402

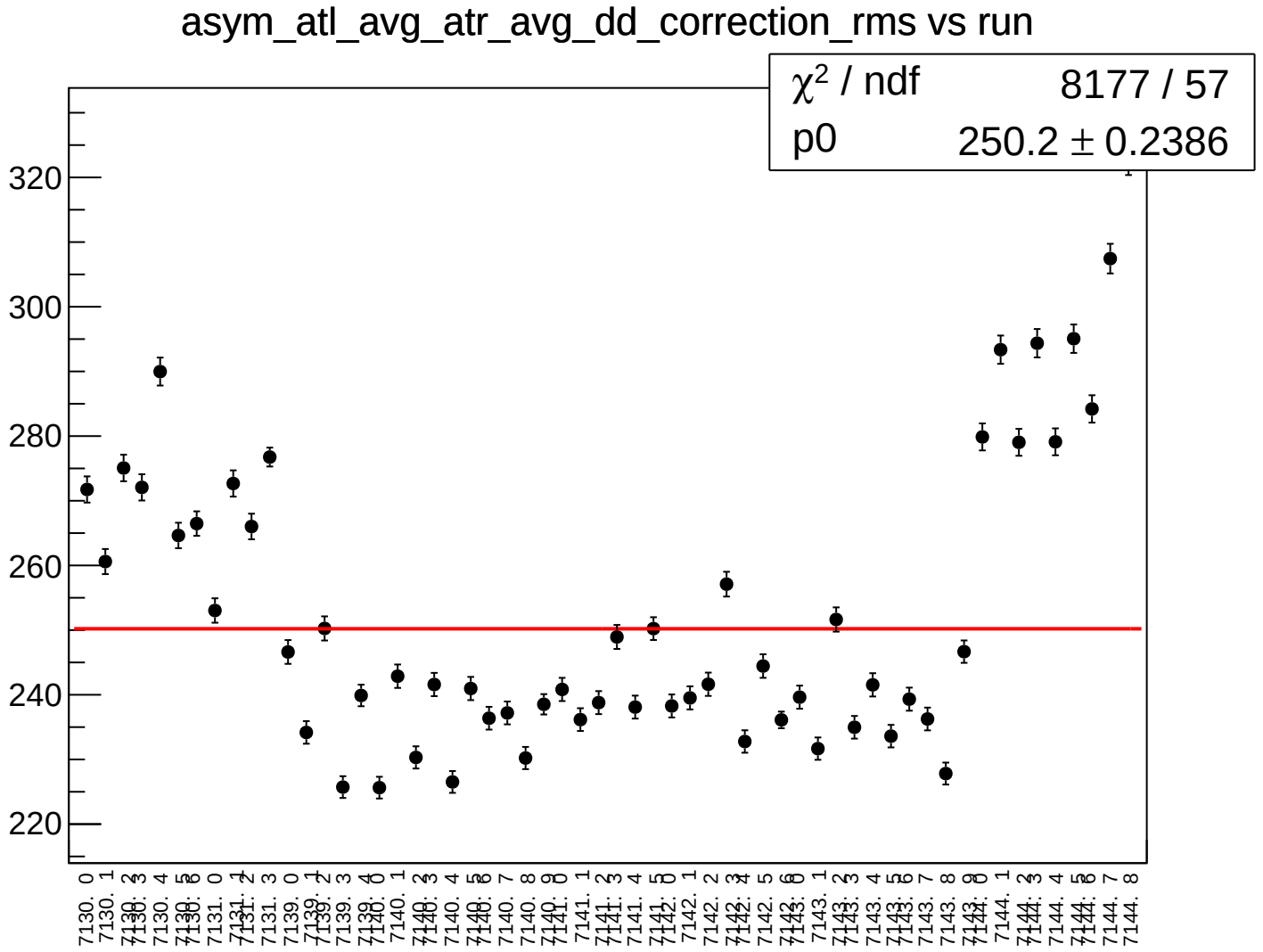

pull1D
Entries 58
Mean 0.01351
Std Dev 1

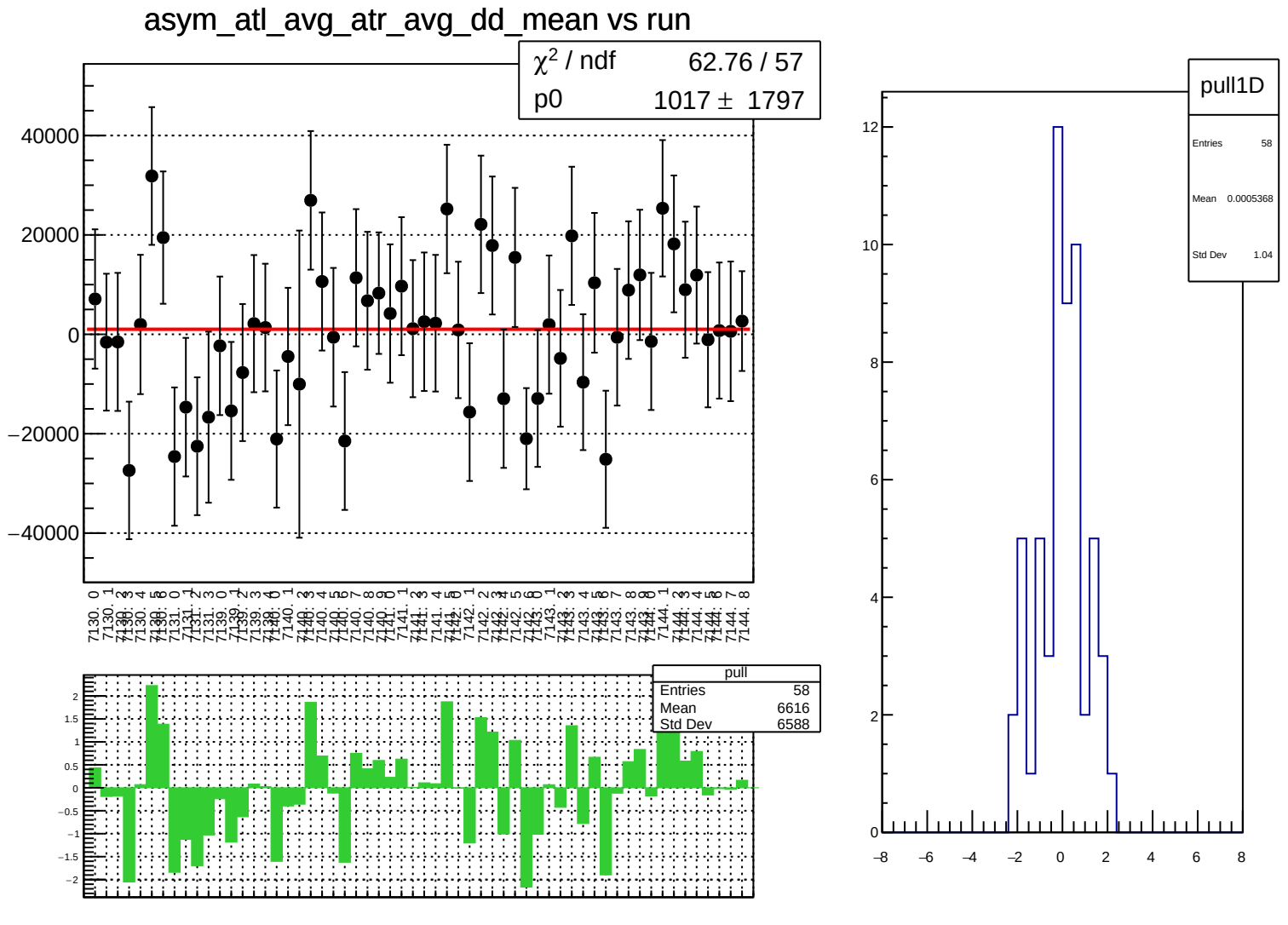

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6031 / 57
p0 4953 ± 4.718
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

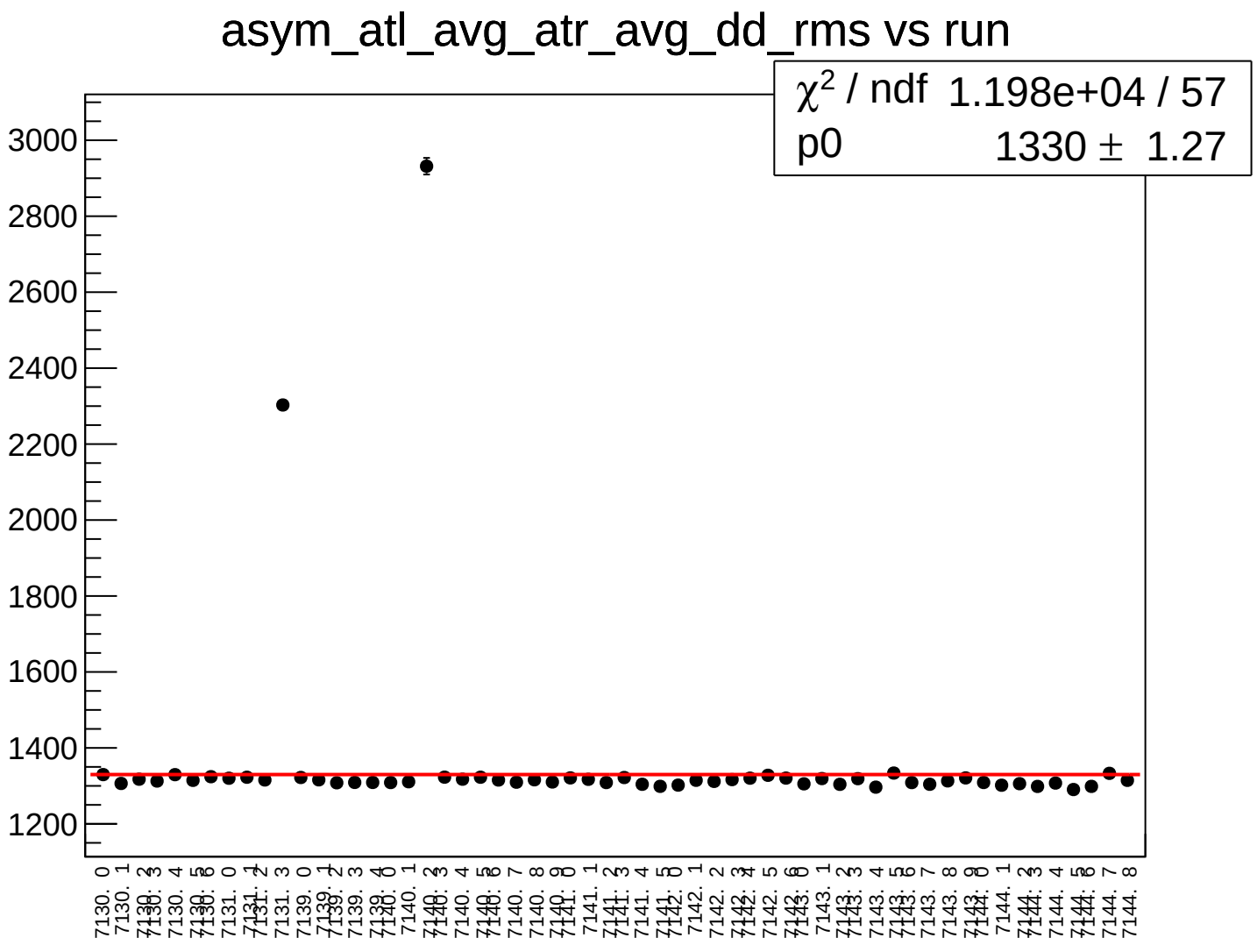

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 59.88 / 57
p0 1340 ± 1763
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −2152
Std Dev 2181
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean −0.001844
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

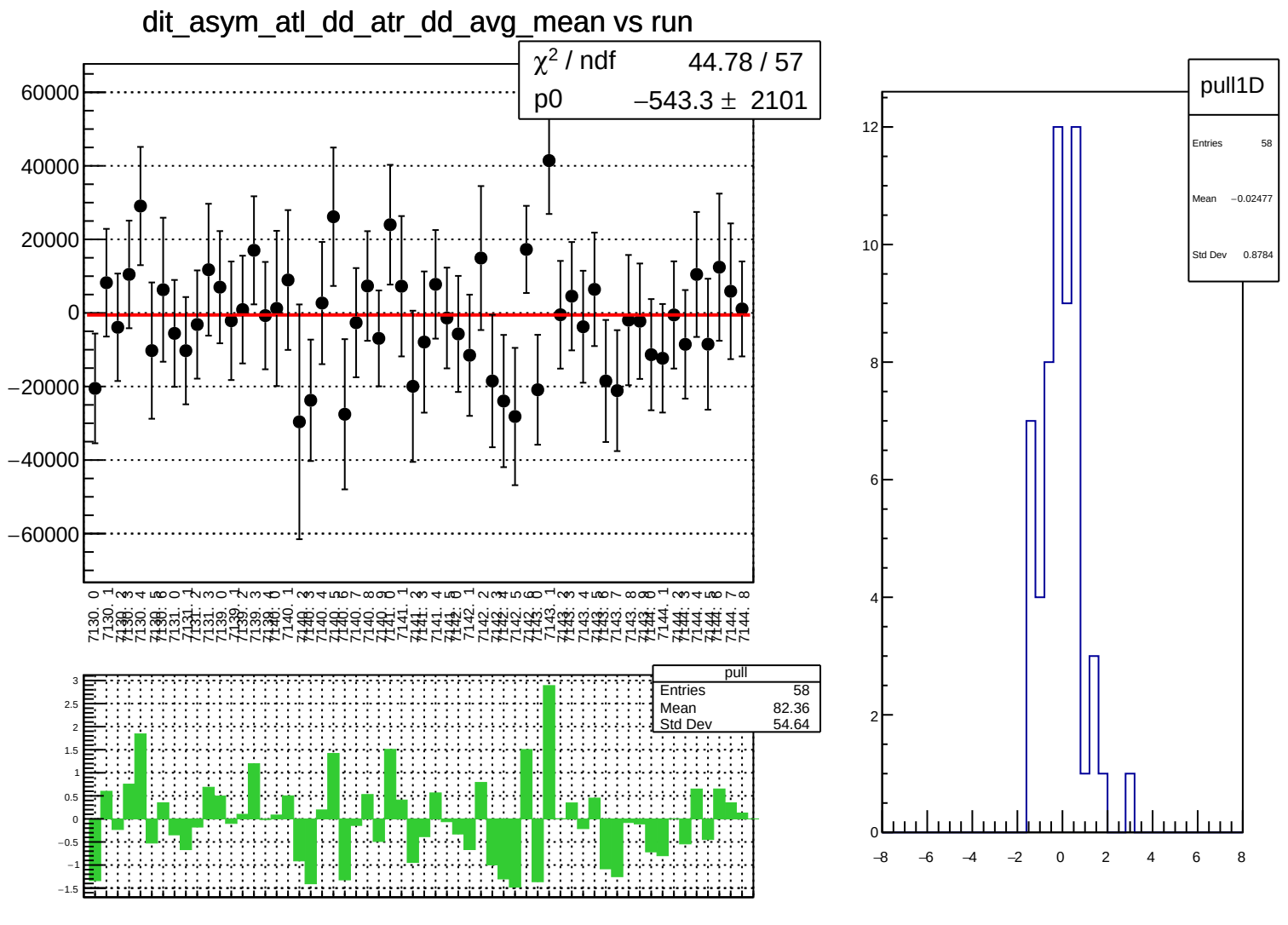

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 1.229e+04 / 57
p0 1305 ± 1.247
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

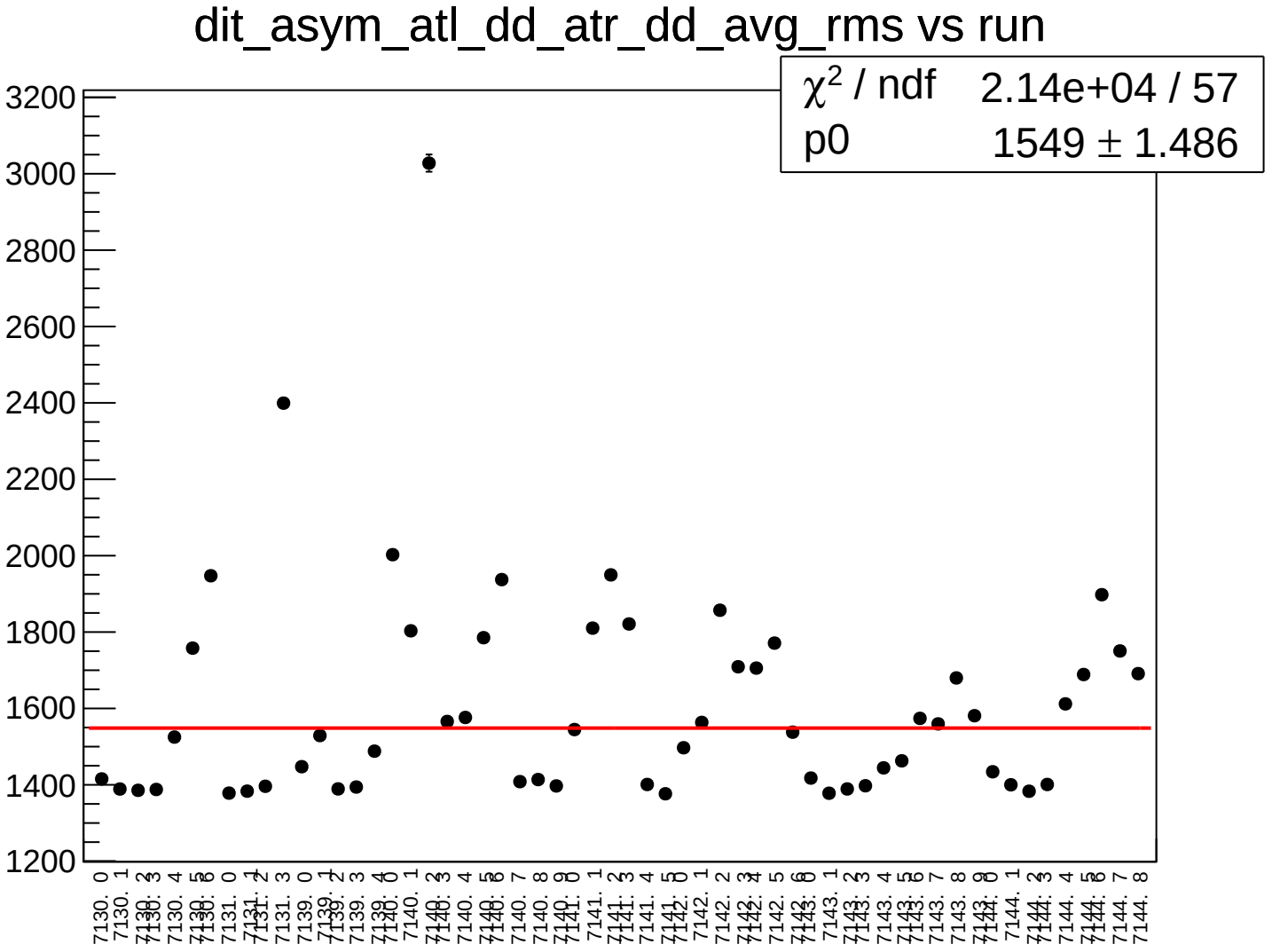

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 57.24 / 57
p0 316.6 ± 337.4
10000
5000
0
−5000
−10000
pull
Entries 58
Mean −126.7
Std Dev 159.3
2
1
0
−1
−2
pull1D
Entries 58
Mean −0.01265
Std Dev 0.9933
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

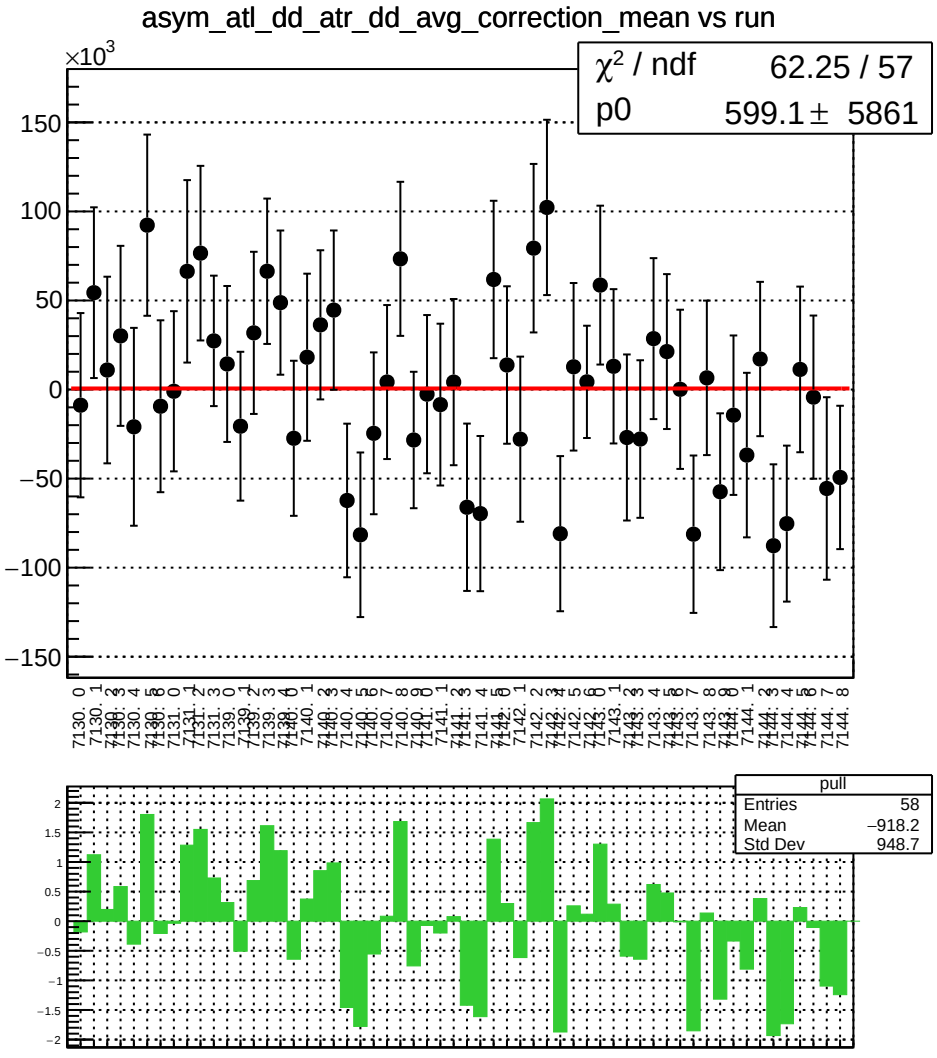

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ2 / ndf 8177 / 57
p0 250.2 ± 0.2386
320
300
280
260
240
220

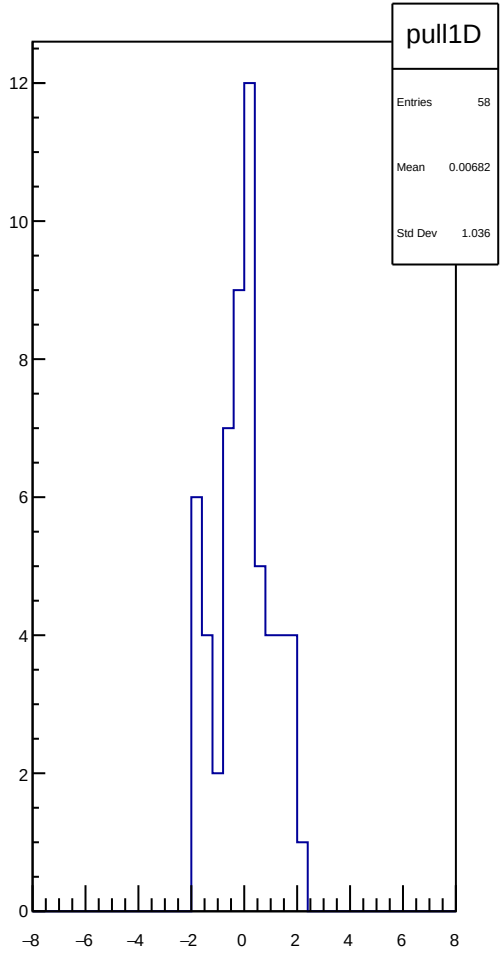

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 62.76 / 57
p0 1017 ± 1797
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 6616
Std Dev 6588
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean 0.0005368
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

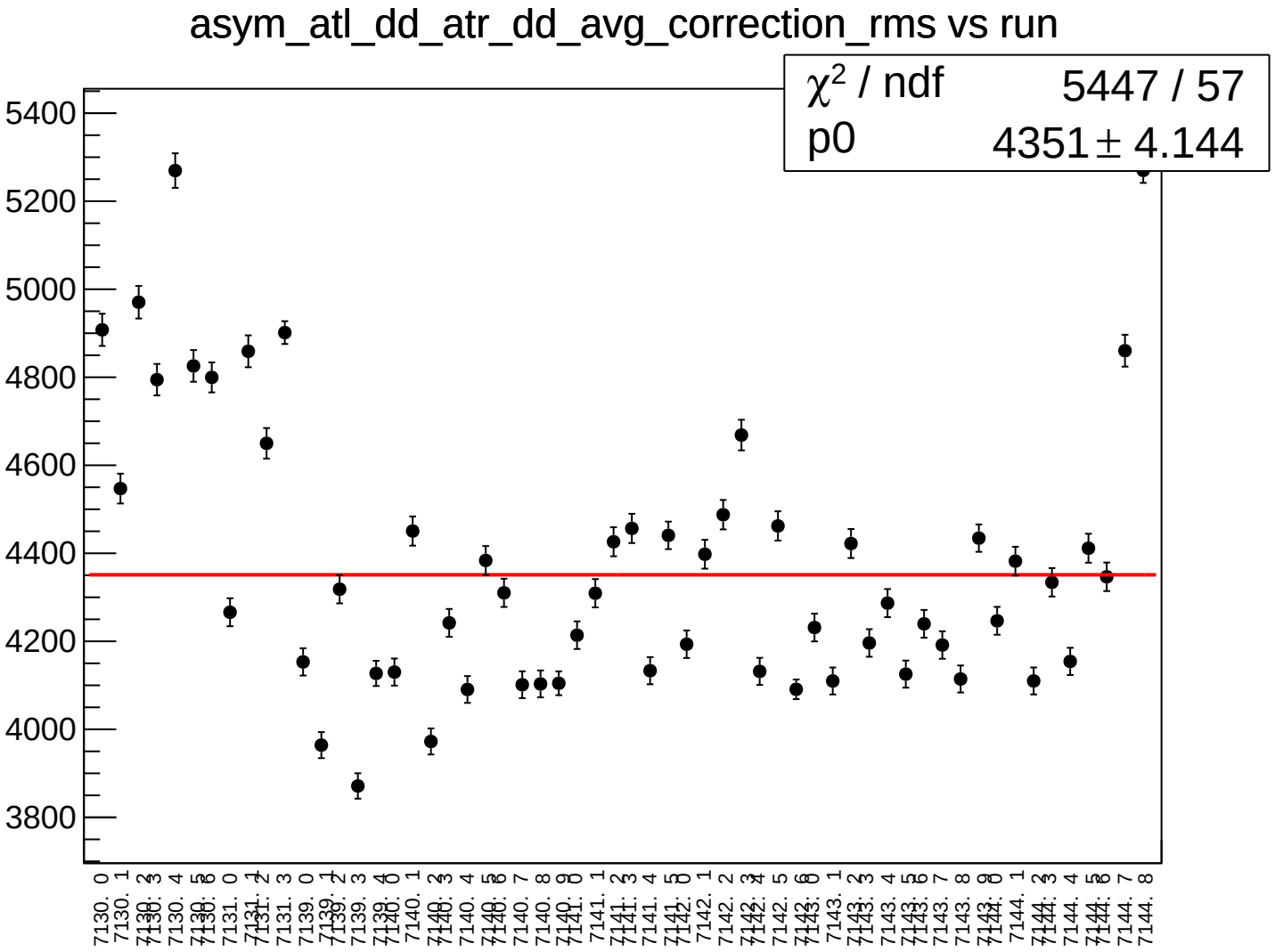

asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 1.198e+04 / 57
p0 1330 ± 1.27
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

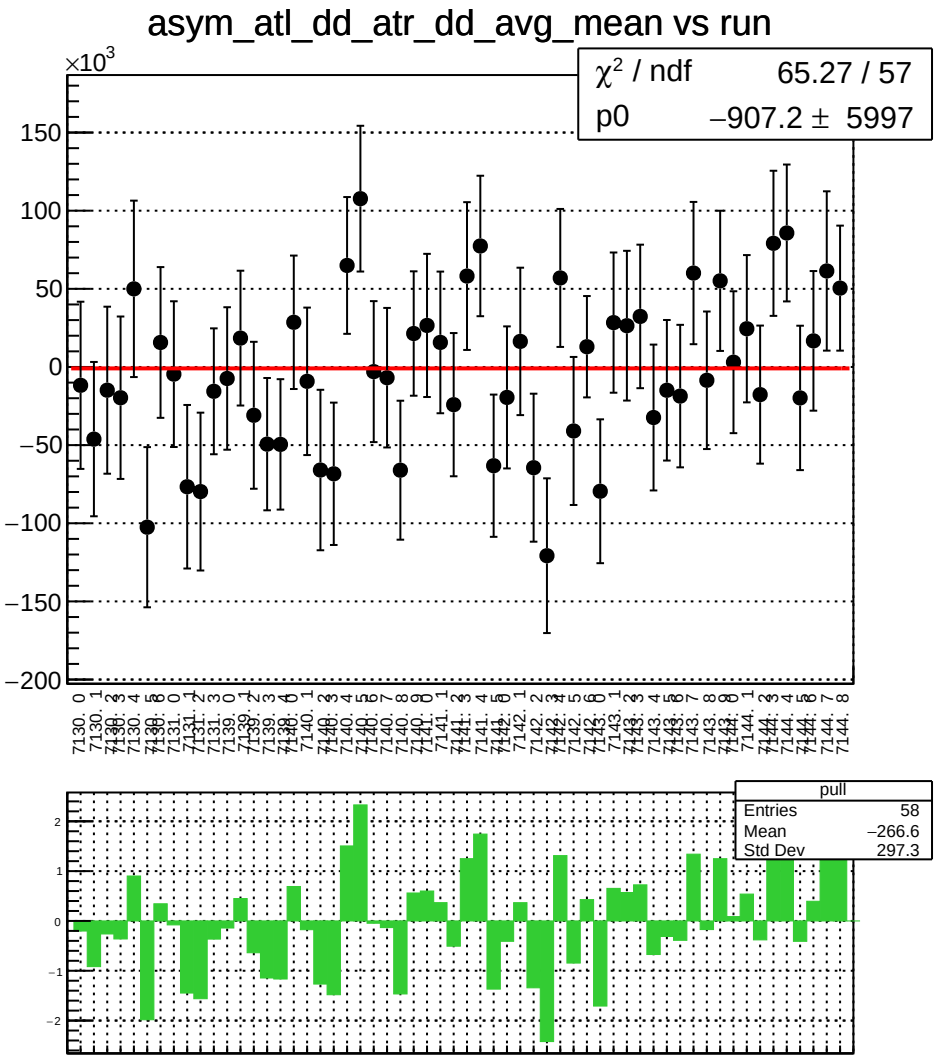

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 44.78 / 57
p0 −543.3 ± 2101
pull
Entries 58
Mean 82.36
Std Dev 54.64
pull1D
Entries 58
Mean −0.02477
Std Dev 0.8784

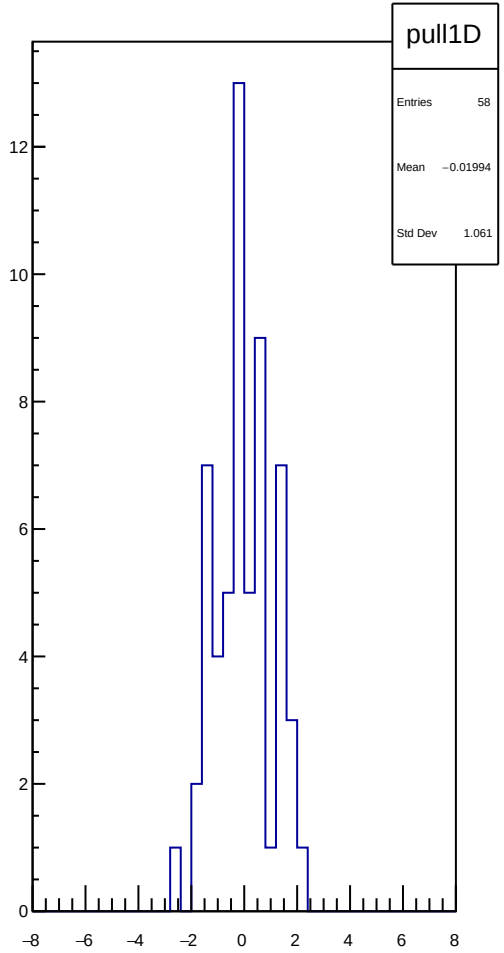

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 2.14e+04 / 57
p0 1549 ± 1.486
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

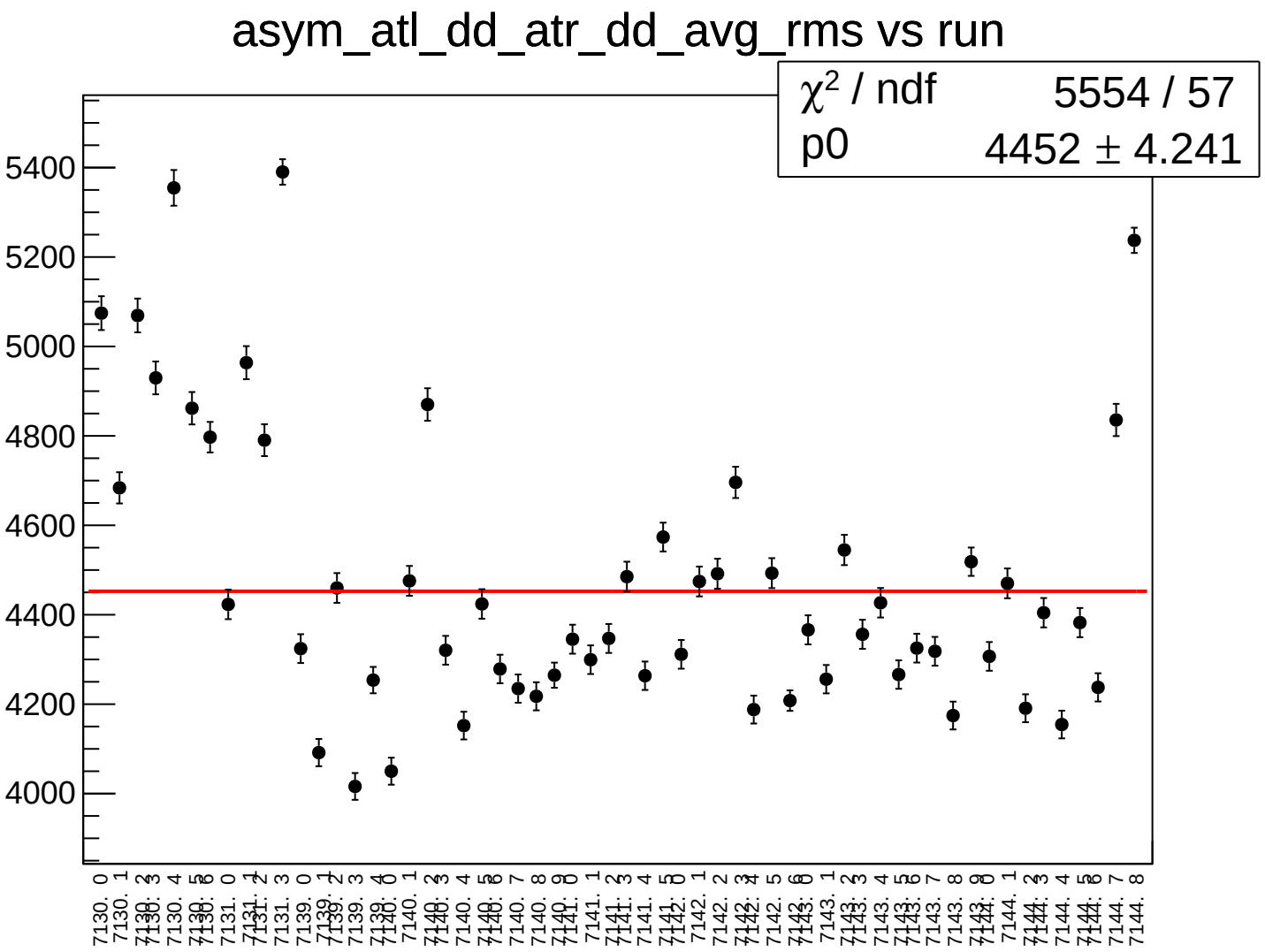

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 62.25 / 57
p0 599.1 ± 5861
pull
Entries 58
Mean −918.2
Std Dev 948.7

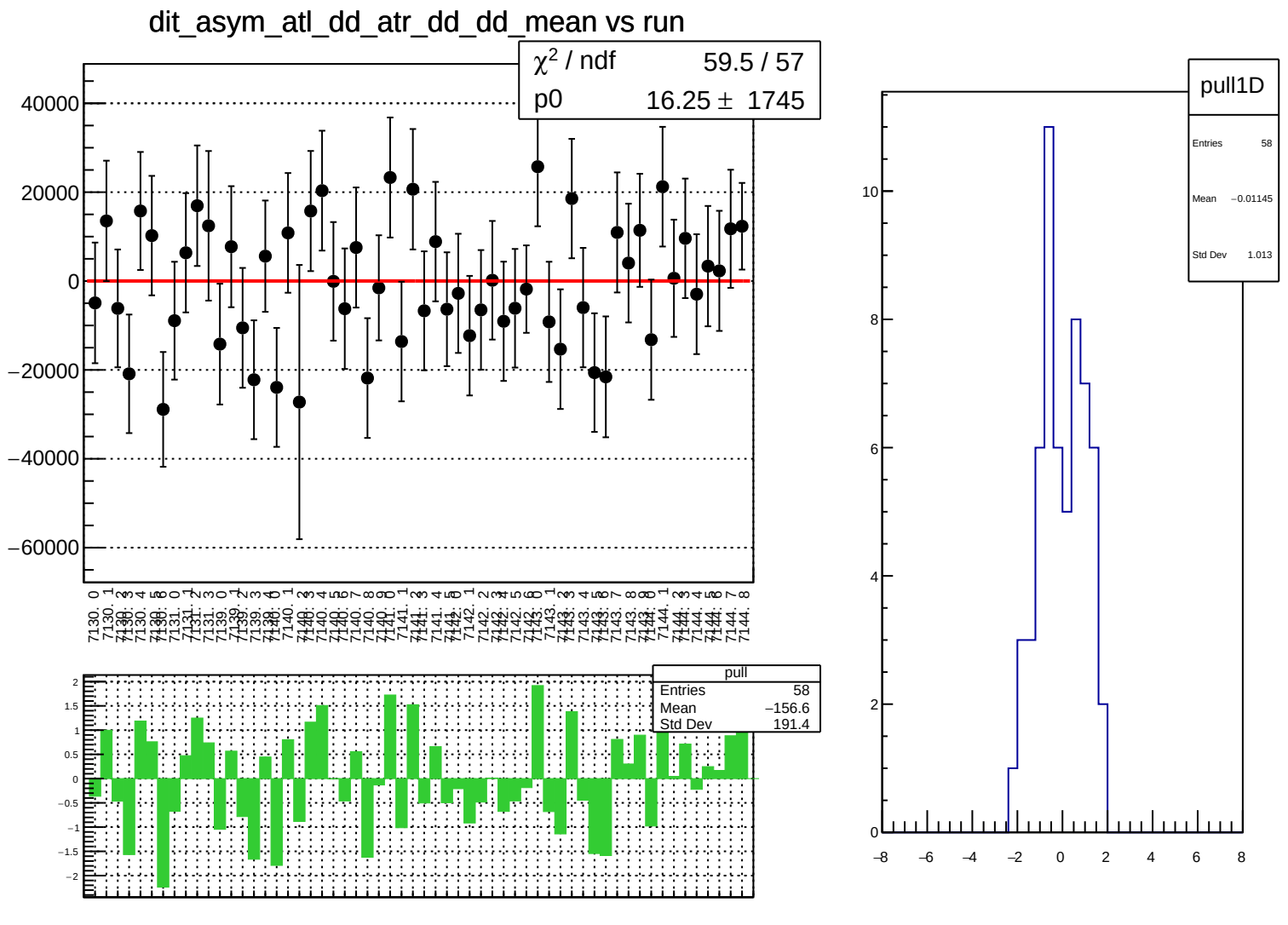

pull1D
Entries 58
Mean 0.00682
Std Dev 1.036


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5447 / 57
p0 4351 ± 4.144
5400
5200
5000
4800
4600
4400
4200
4000
3800

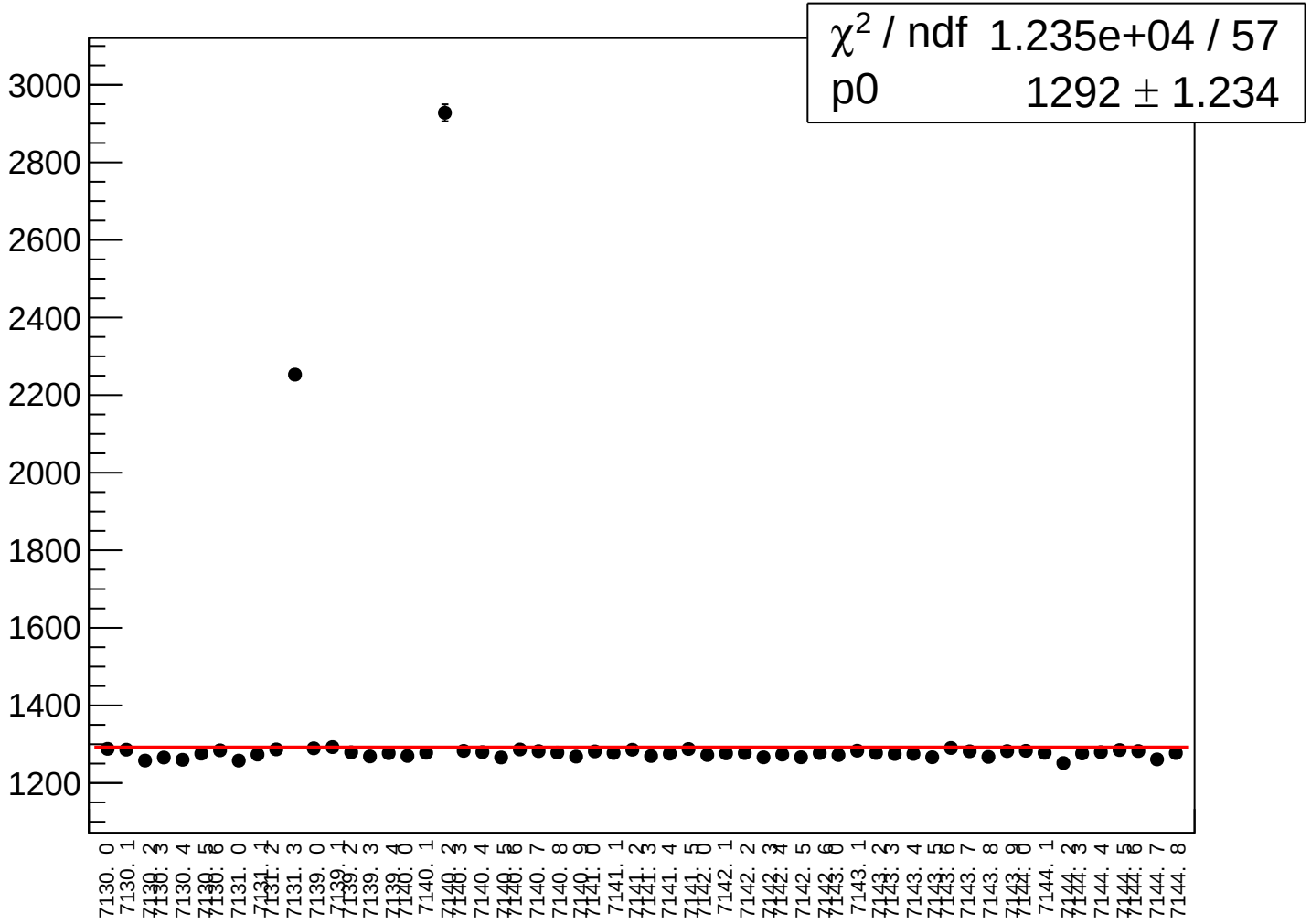

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 65.27 / 57
p0 −907.2 ± 5997
pull
Entries 58
Mean −266.6
Std Dev 297.3

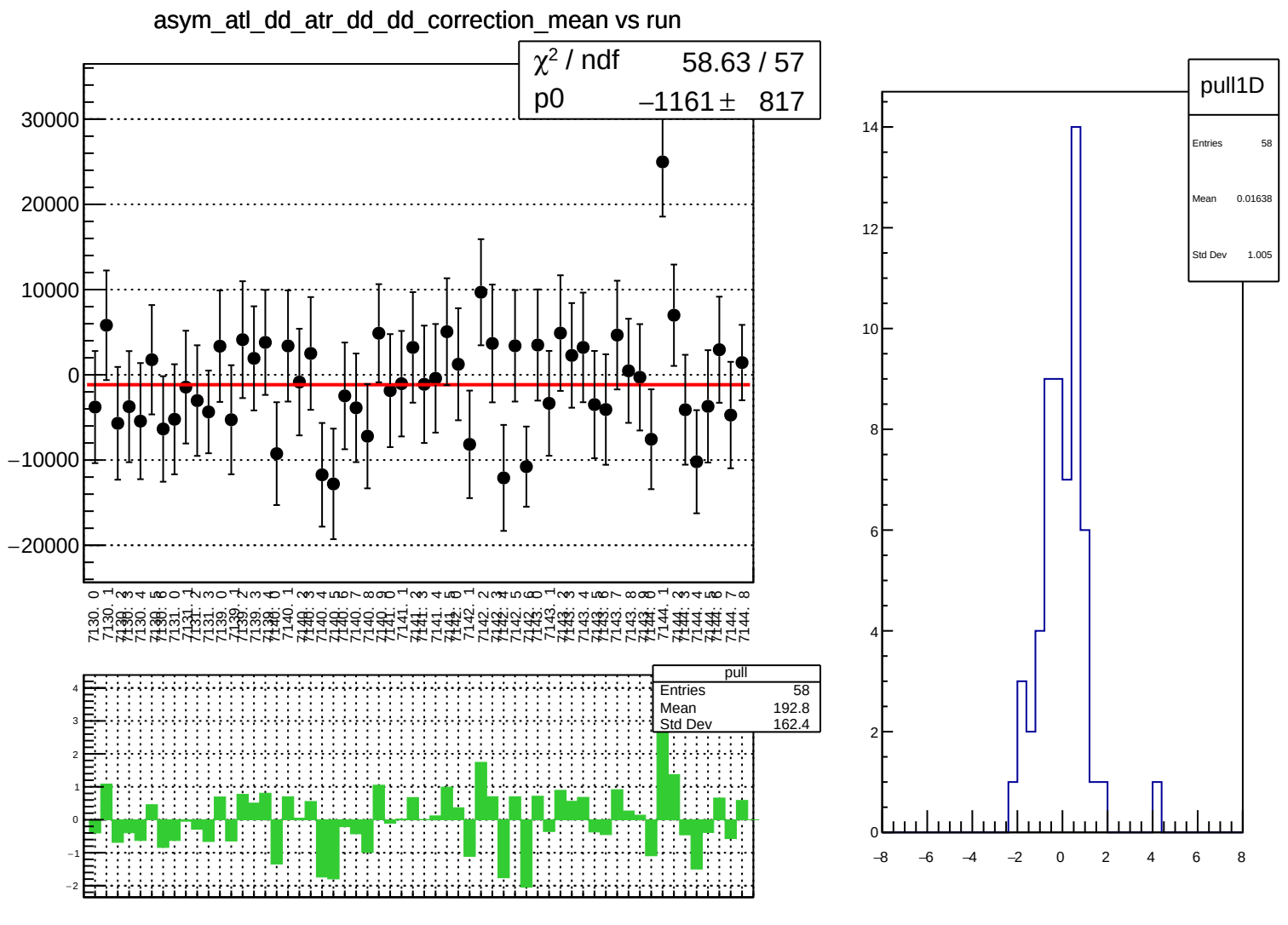

pull1D
Entries 58
Mean −0.01994
Std Dev 1.061

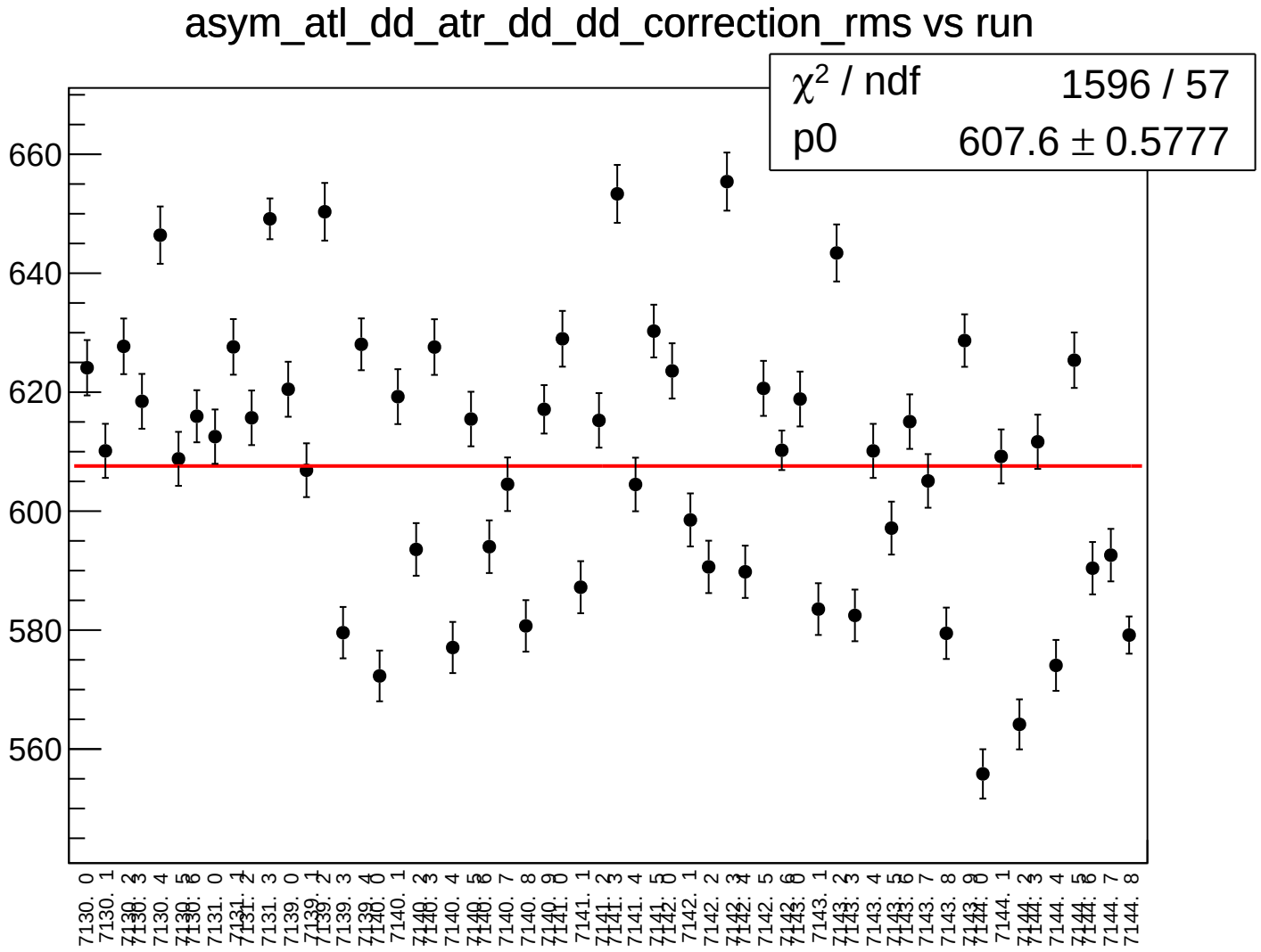

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 5554 / 57
p0 4452 ± 4.241
5400
5200
5000
4800
4600
4400
4200
4000
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

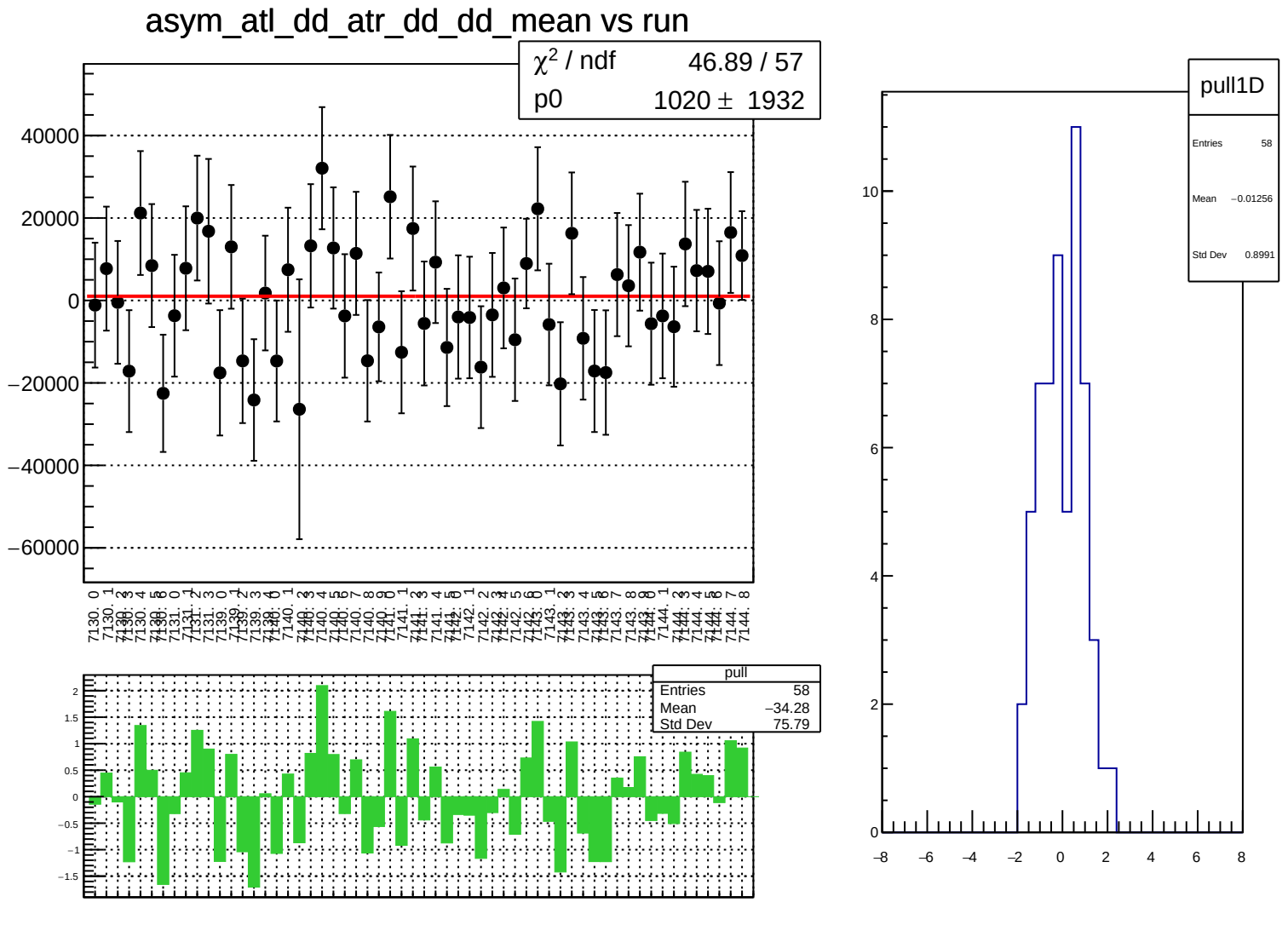

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 59.5 / 57
p0 16.25 ± 1745
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean −156.6
Std Dev 191.4
pull1D
Entries 58
Mean −0.01145
Std Dev 1.013

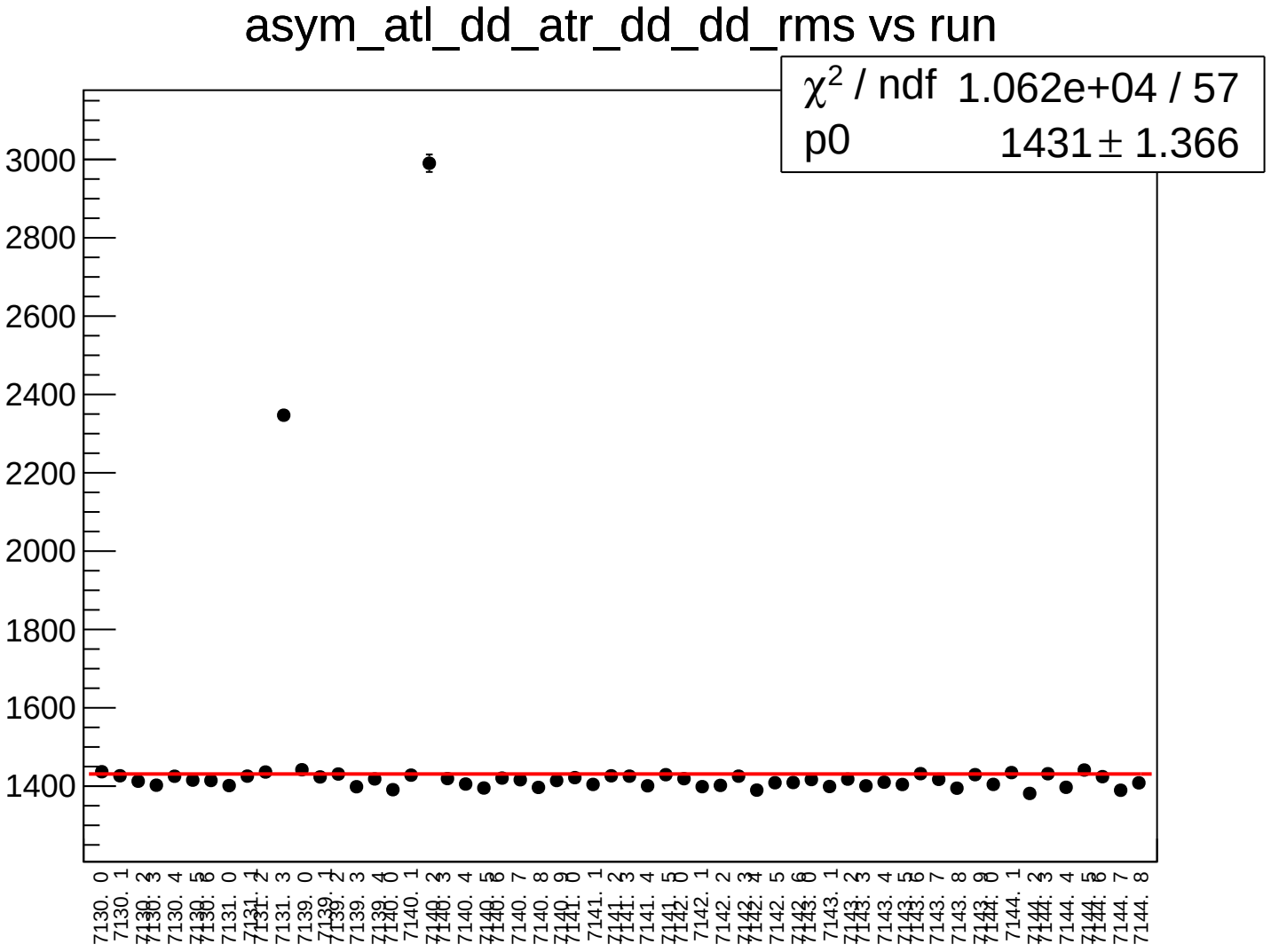
dit_asym_atl_dd_atr_dd_dd_rms vs run

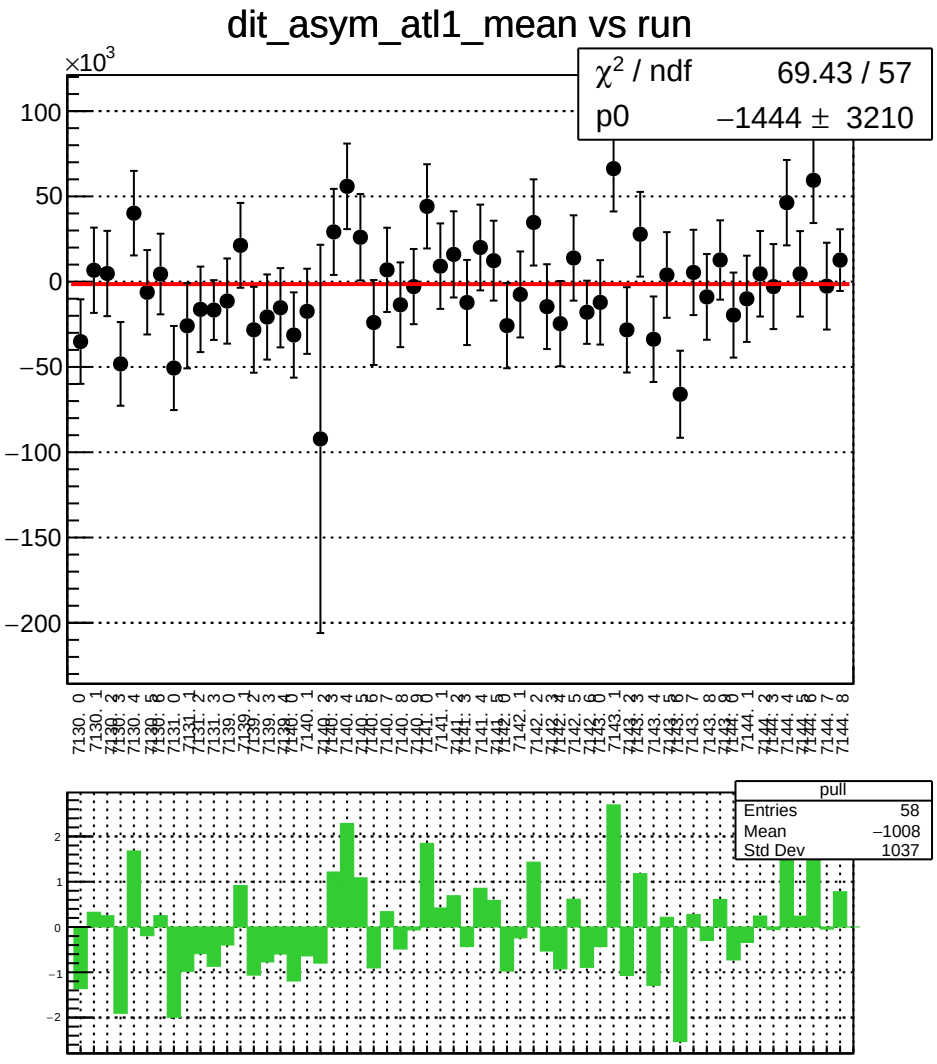


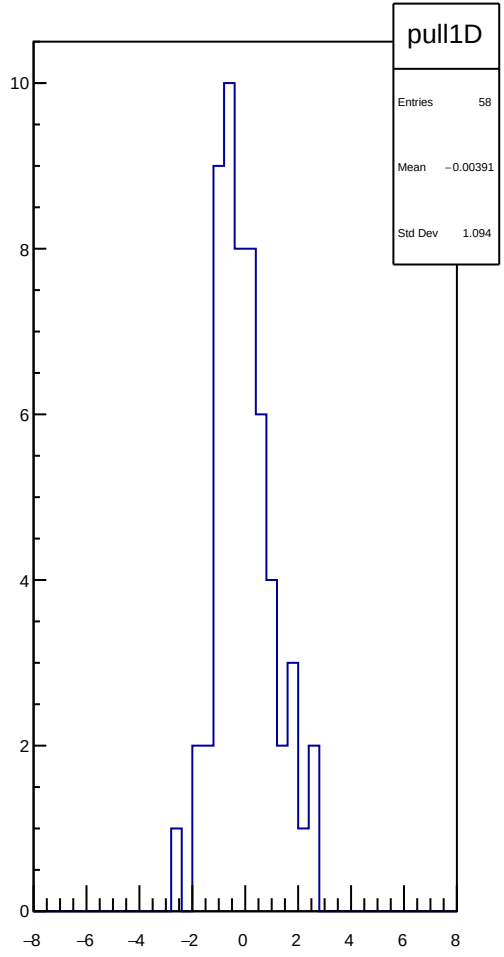

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 58.63 / 57
p0 −1161 ± 817
pull
Entries 58
Mean 192.8
Std Dev 162.4
pull1D
Entries 58
Mean 0.01638
Std Dev 1.005


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ2 / ndf 1596 / 57
p0 607.6 ± 0.5777
660
640
620
600
580
560
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

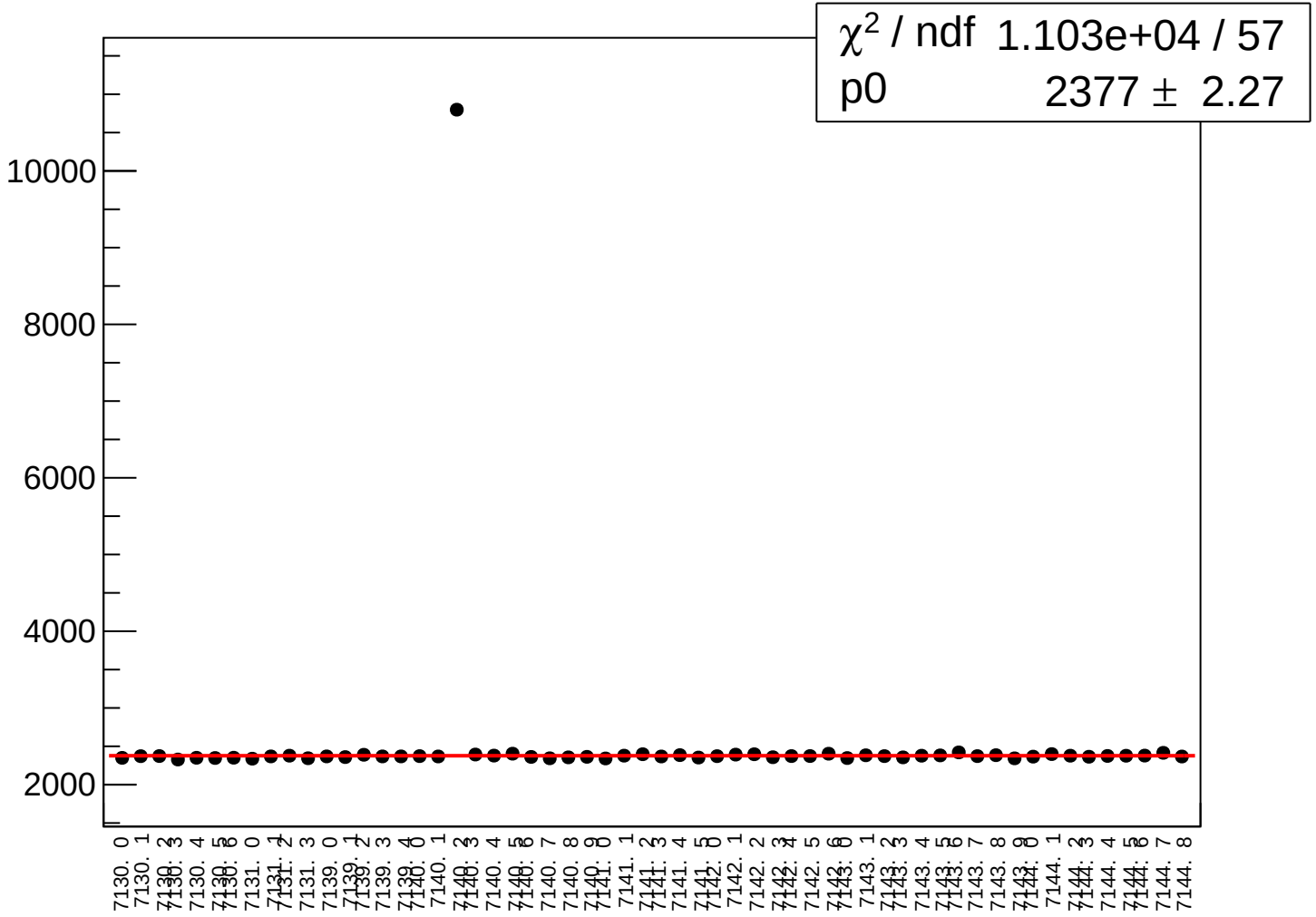

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46.89 / 57
p0 1020 ± 1932
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean −34.28
Std Dev 75.79
pull1D
Entries 58
Mean −0.01256
Std Dev 0.8991

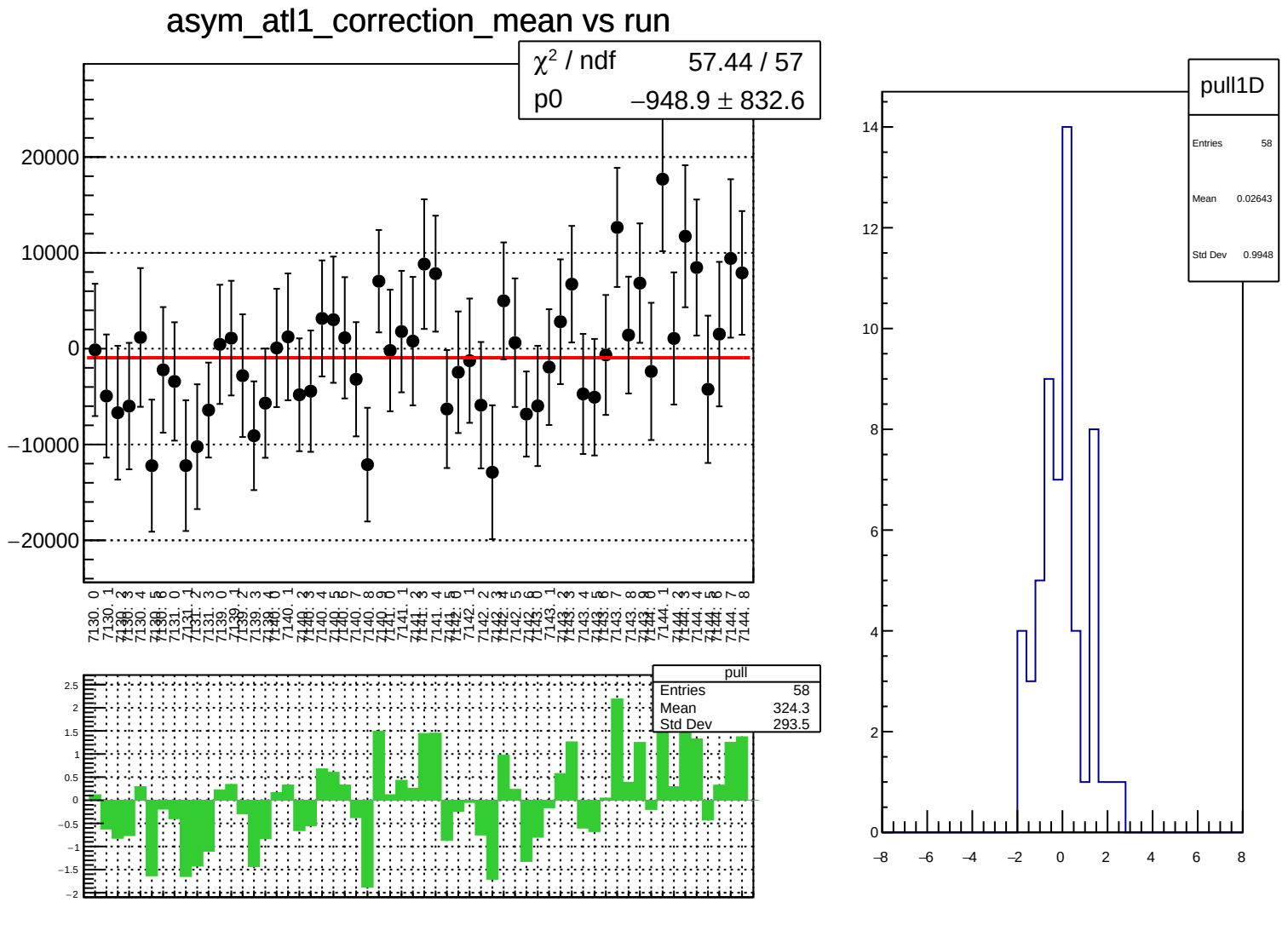

asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.062e+04 / 57
p0 1431 ± 1.366
3000
2800
2600
2400
2200
2000
1800
1600
1400

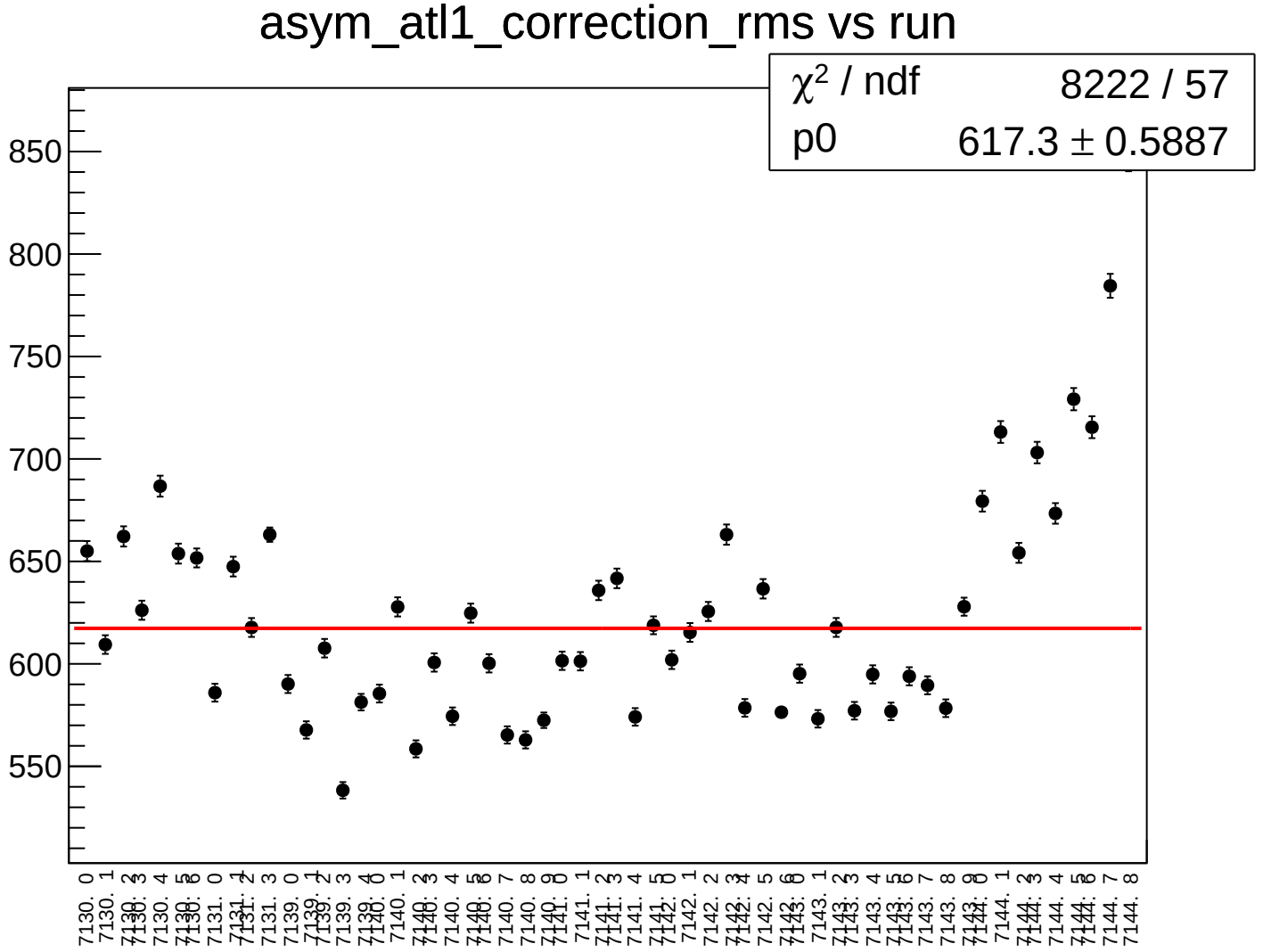

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 69.43 / 57
p0 −1444 ± 3210
pull
Entries 58
Mean −1008
Std Dev 1037

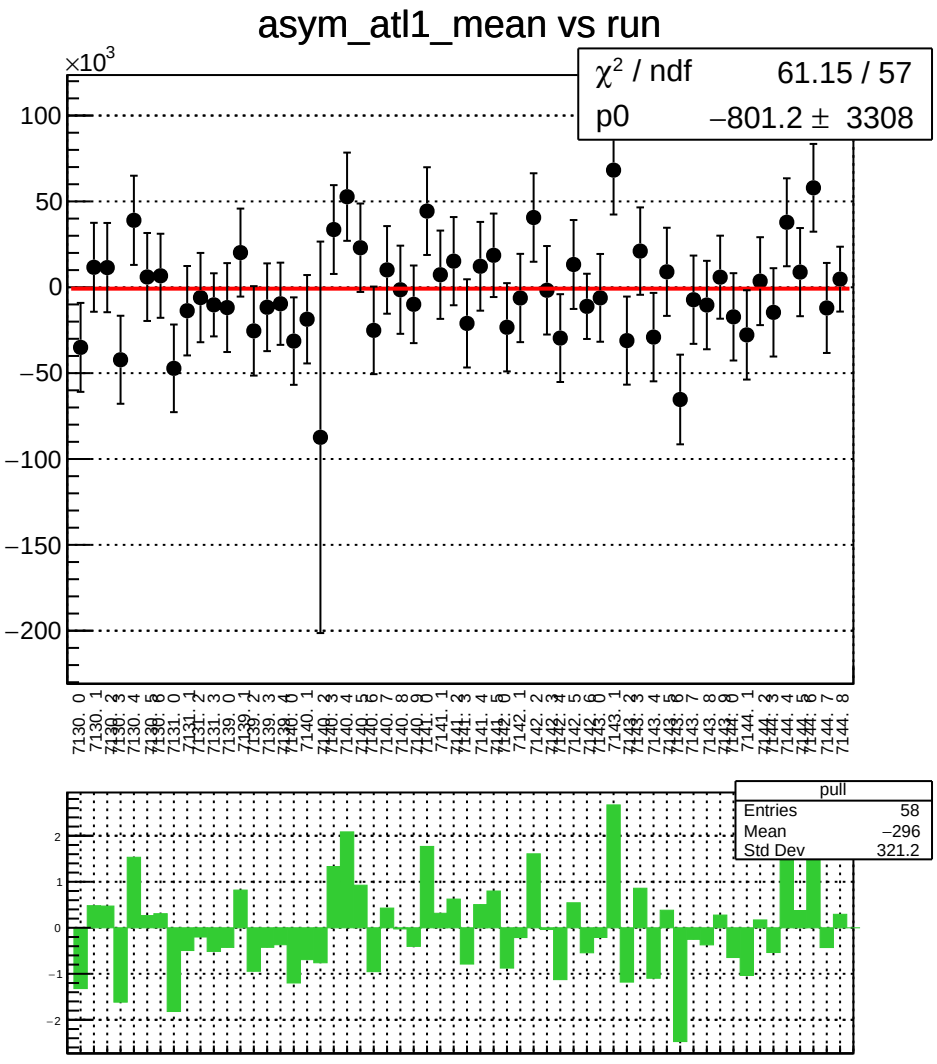

pull1D
Entries 58
Mean −0.00391
Std Dev 1.094

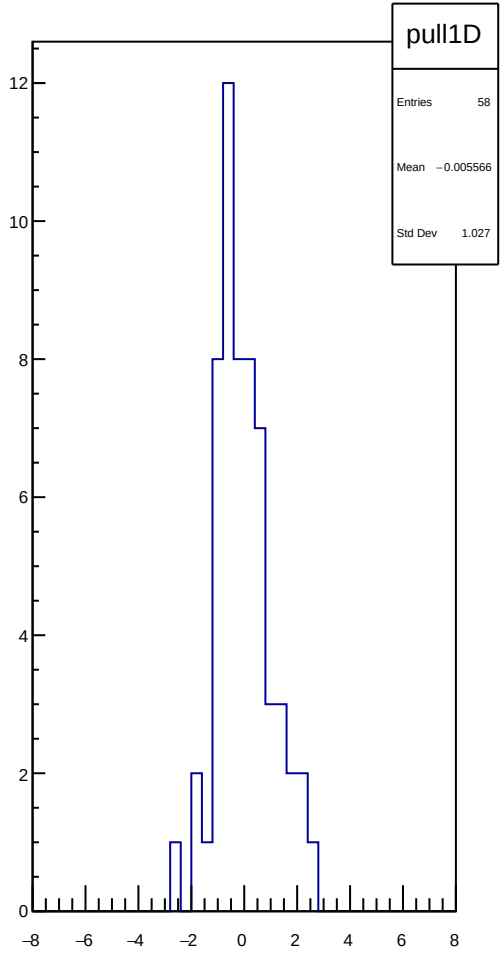
dit_asym_atl1_rms vs run

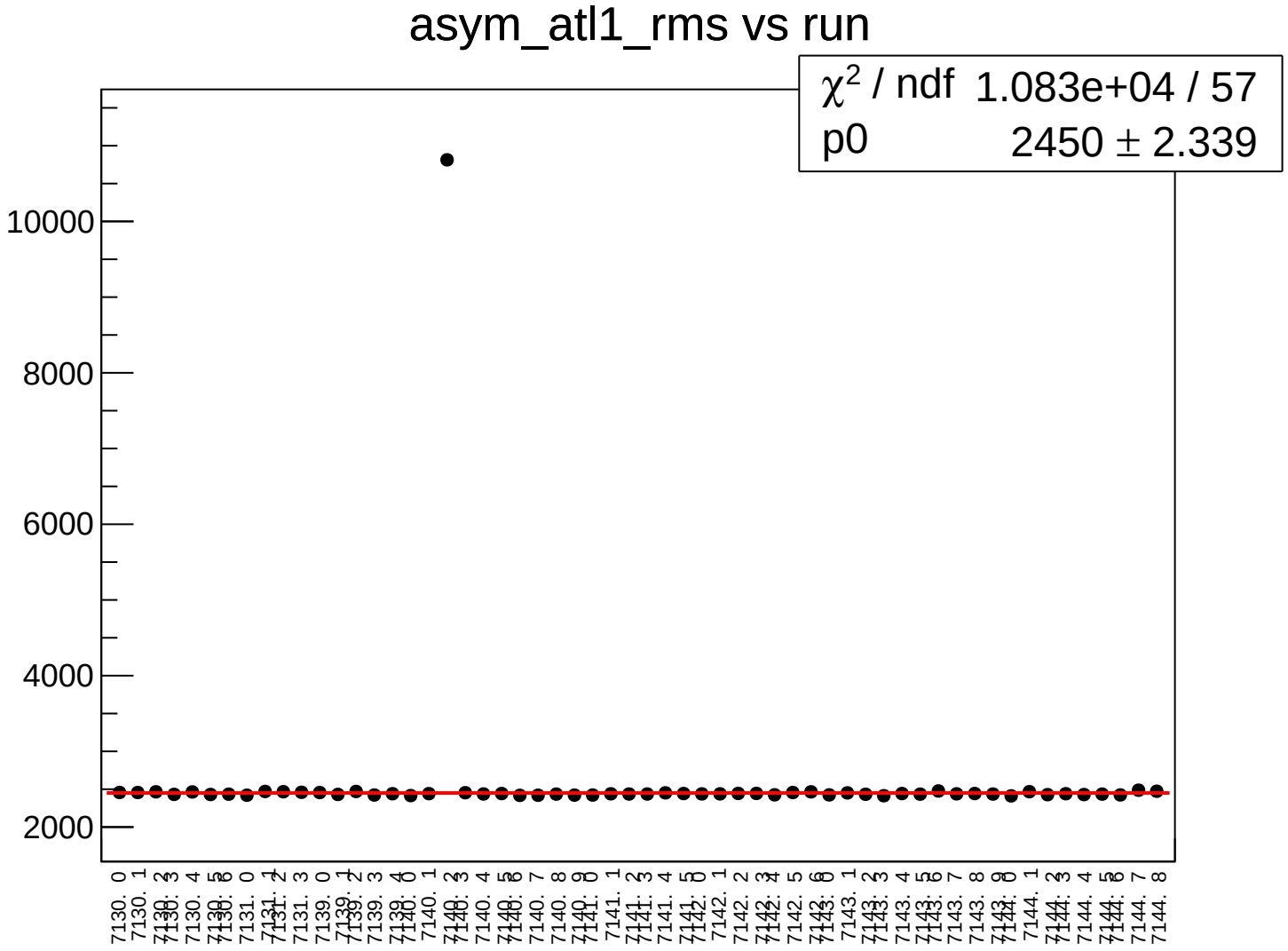


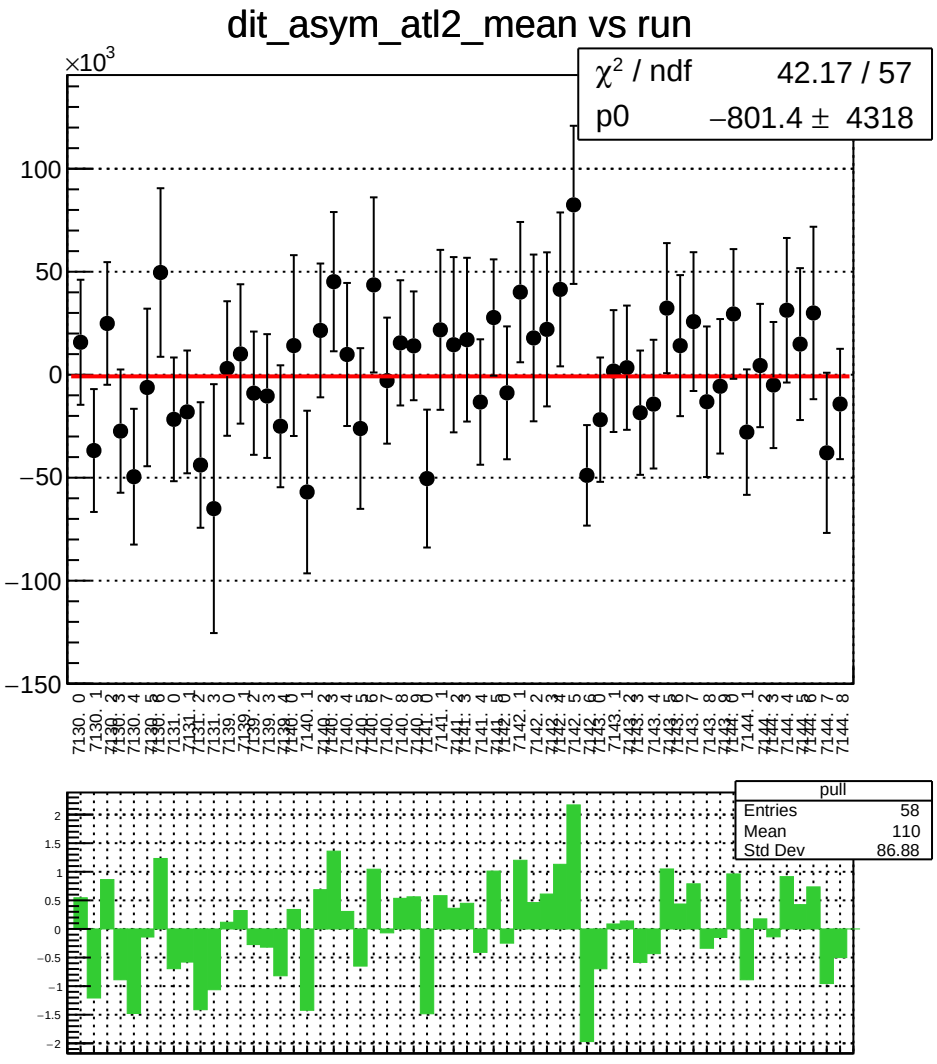

asym_atl1_correction_mean vs run
χ² / ndf 57.44 / 57
p0 −948.9 ± 832.6
pull
Entries 58
Mean 324.3
Std Dev 293.5
pull1D
Entries 58
Mean 0.02643
Std Dev 0.9948

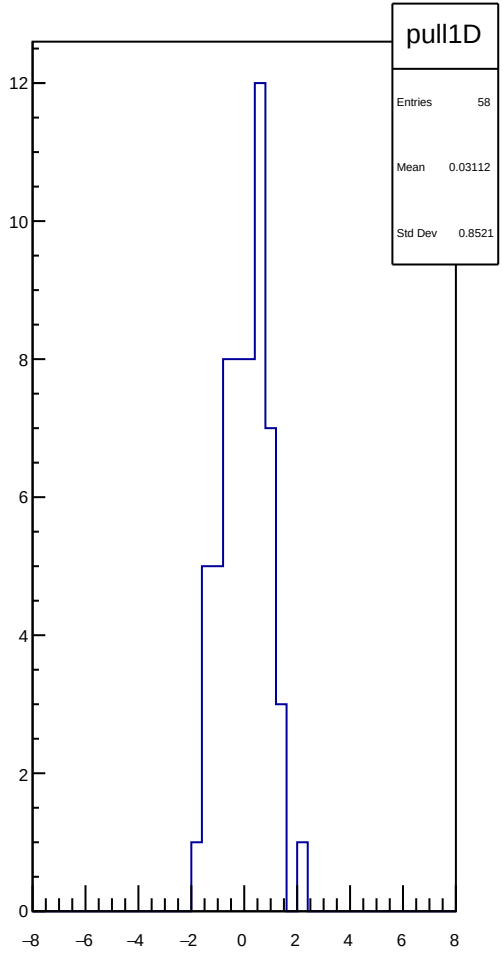

asym_atl1_correction_rms vs run
χ^2 / ndf 8222 / 57
p0 617.3 ± 0.5887
850
800
750
700
650
600
550

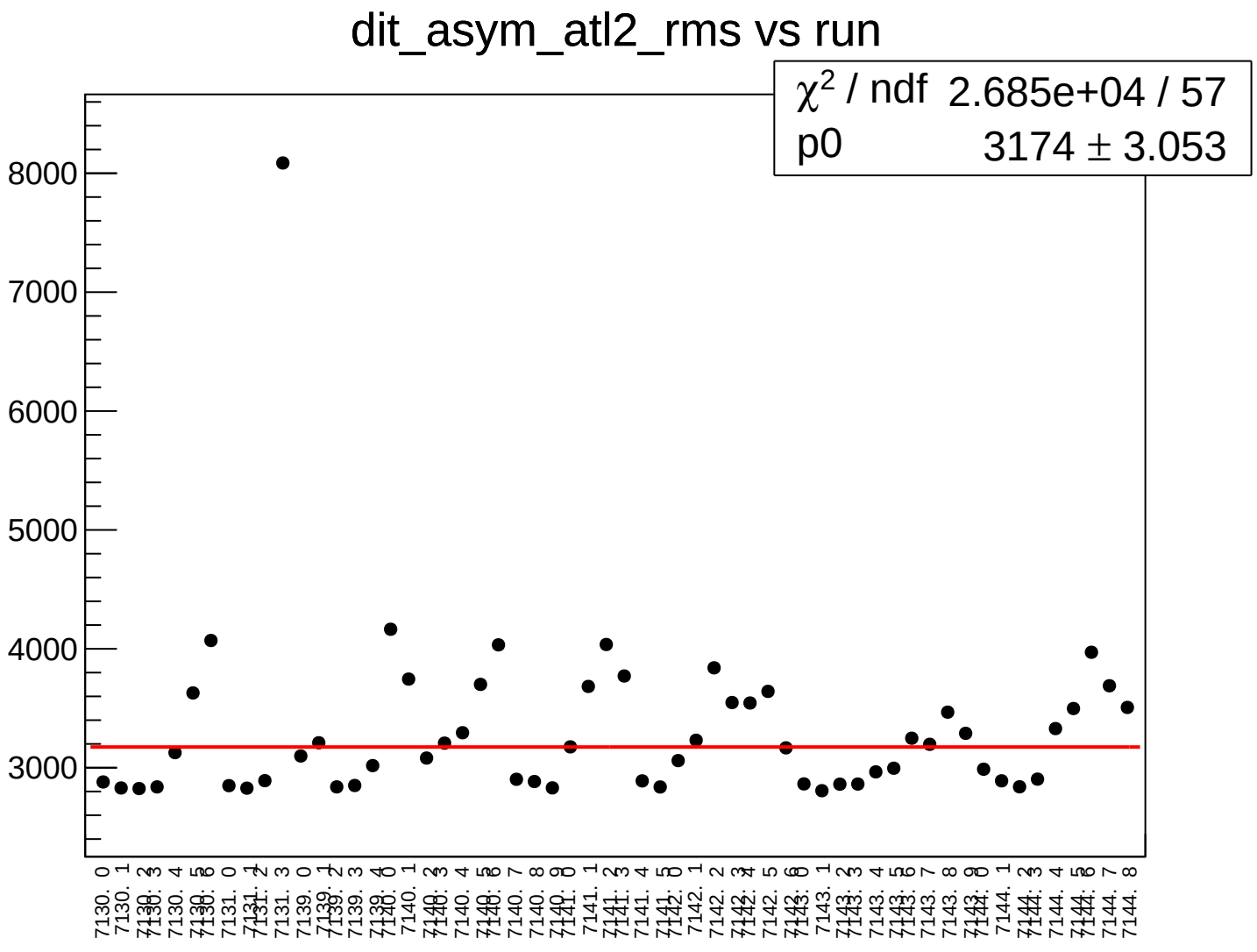

asym_atl1_mean vs run
×10^3
χ² / ndf 61.15 / 57
p0 −801.2 ± 3308
pull
Entries 58
Mean −296
Std Dev 321.2

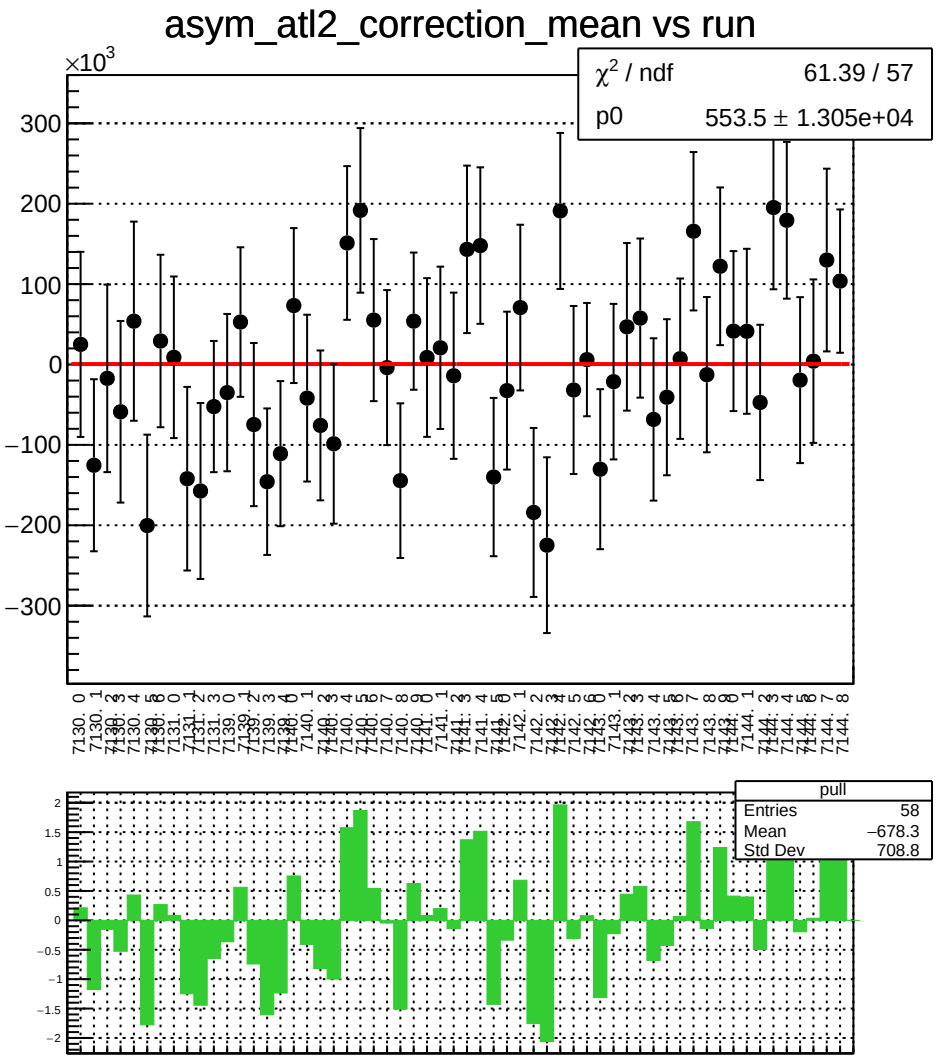

pull1D
Entries 58
Mean −0.005566
Std Dev 1.027

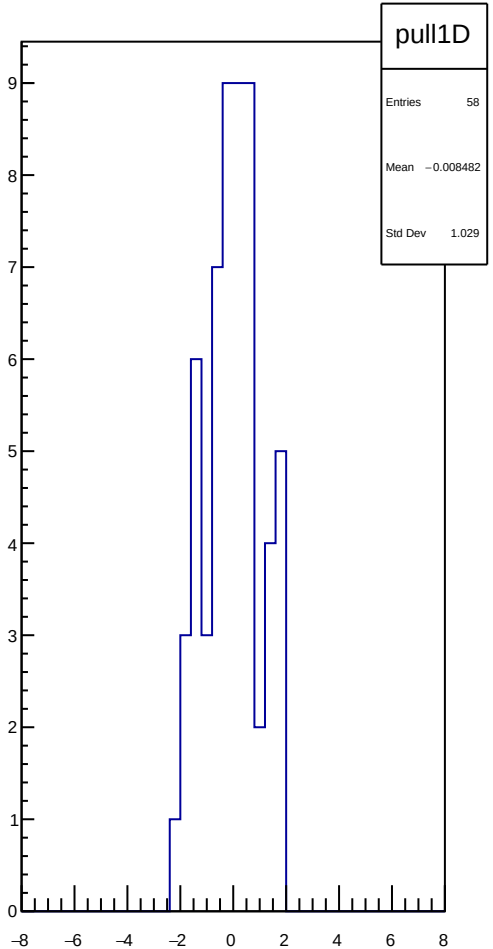

asym_atl1_rms vs run
χ2 / ndf 1.083e+04 / 57
p0 2450 ± 2.339
10000
8000
6000
4000
2000

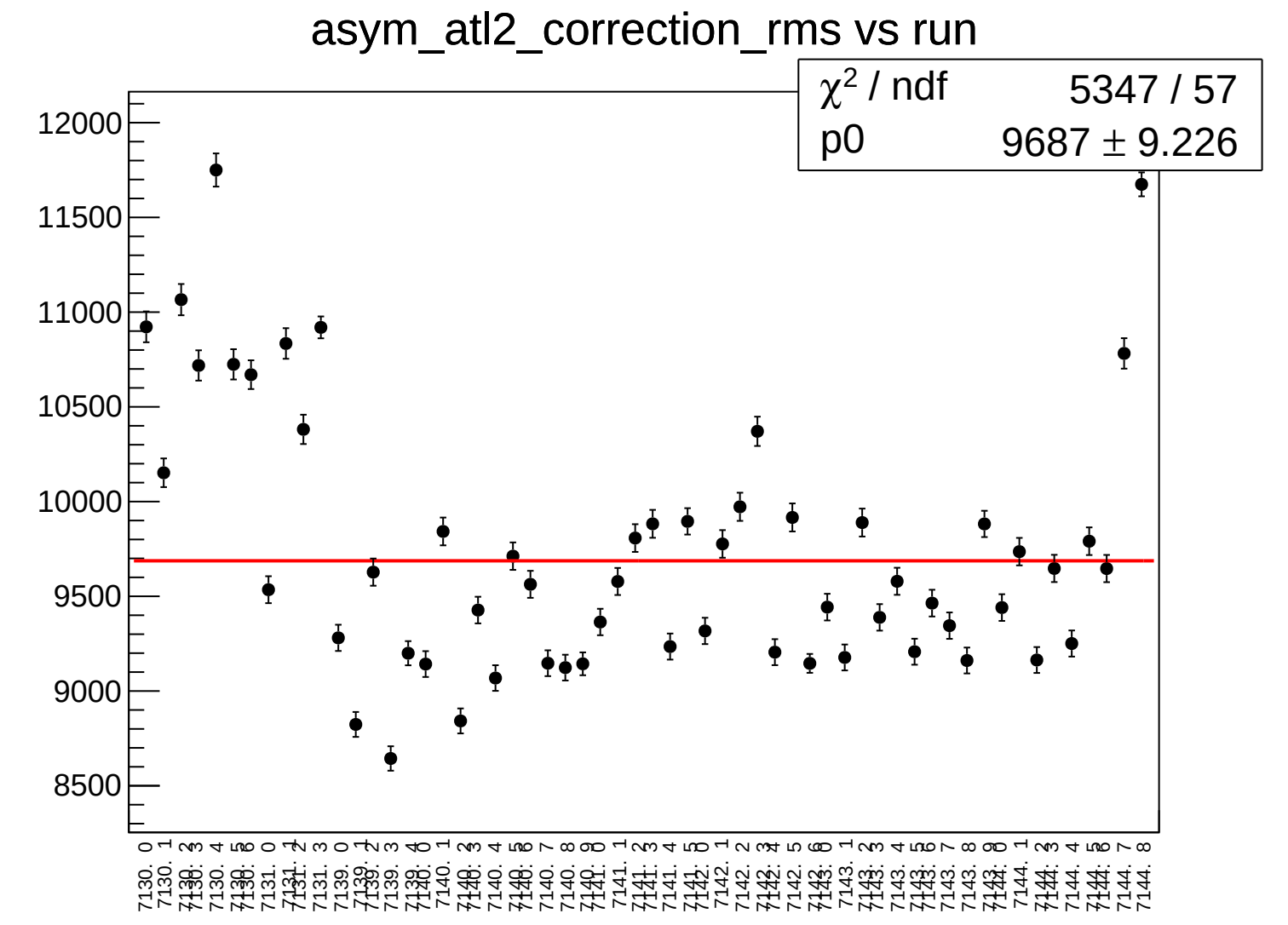

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 42.17 / 57
p0 −801.4 ± 4318
pull
Entries 58
Mean 110
Std Dev 86.88

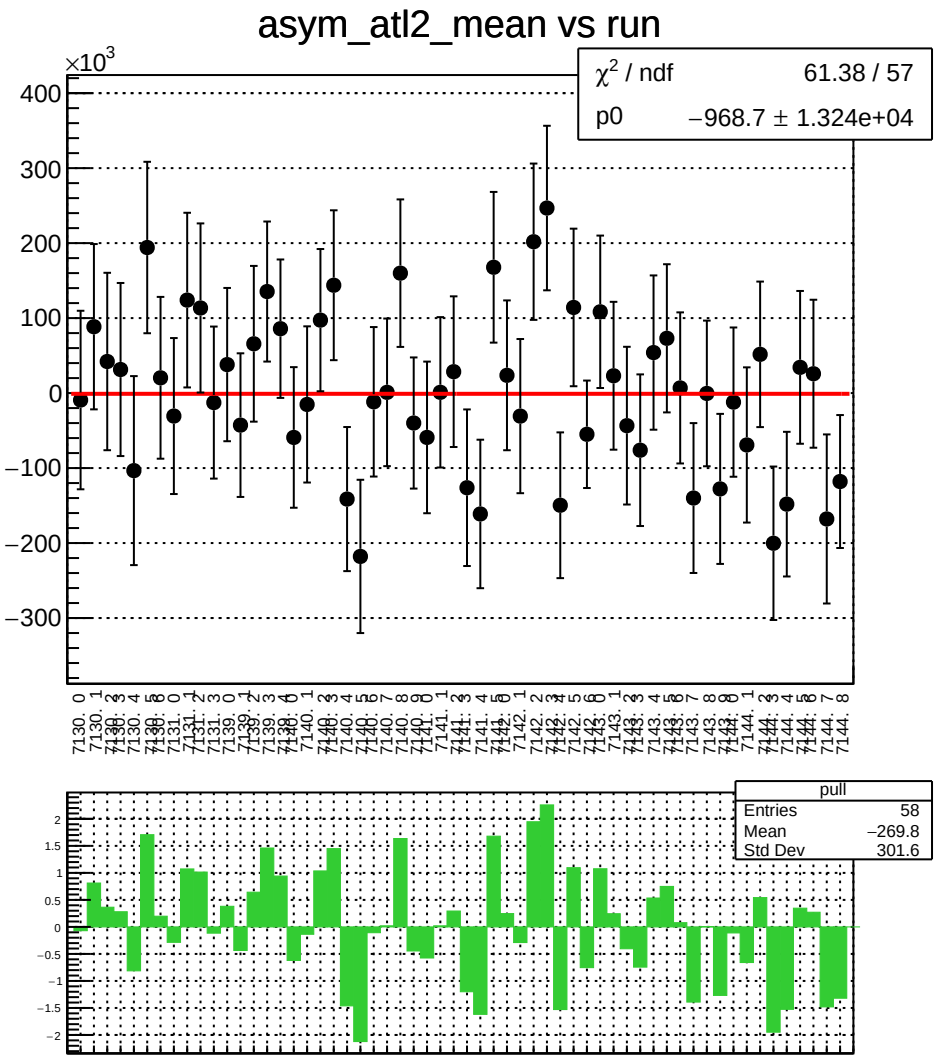

pull1D
Entries 58
Mean 0.03112
Std Dev 0.8521

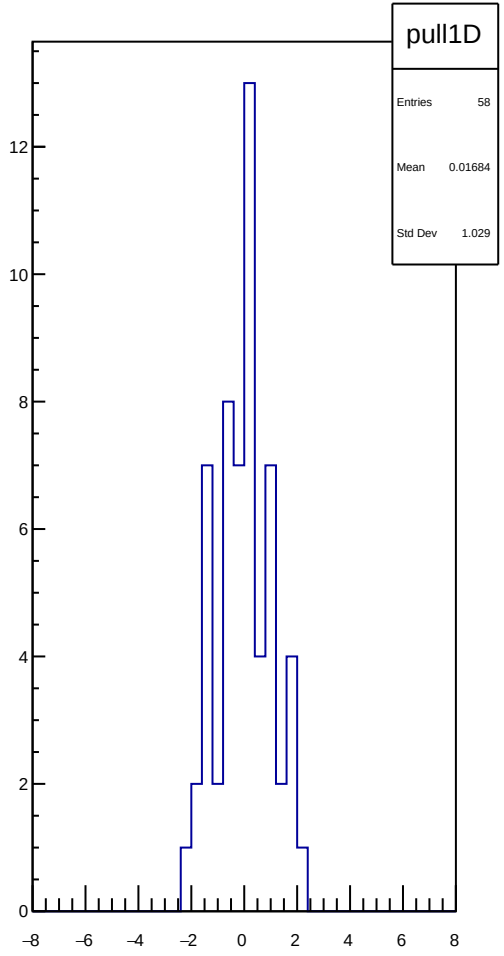

dit_asym_atl2_rms vs run
χ2 / ndf 2.685e+04 / 57
p0 3174 ± 3.053
8000
7000
6000
5000
4000
3000
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

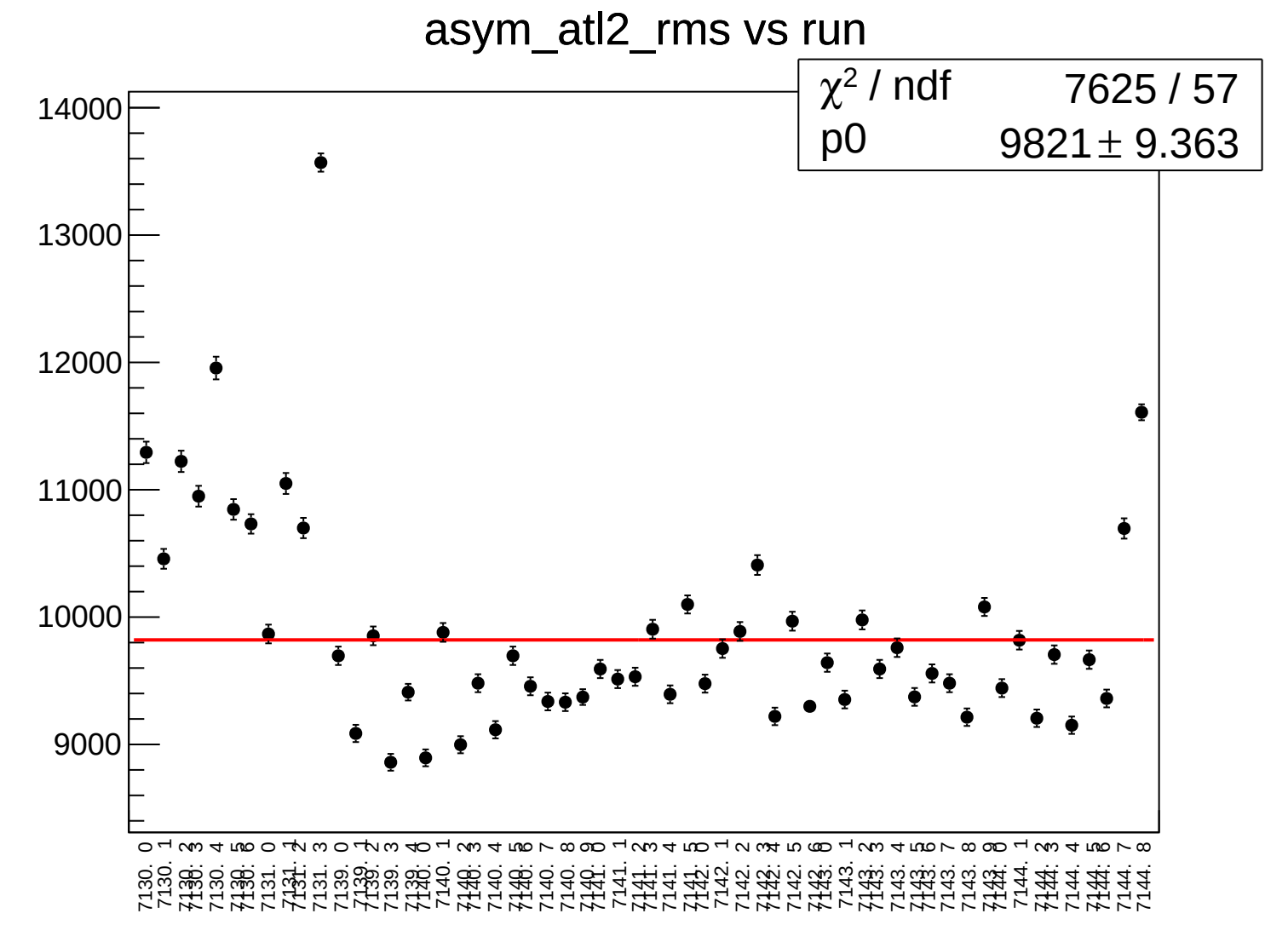

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 61.39 / 57
p0 553.5 ± 1.305e+04
pull
Entries 58
Mean −678.3
Std Dev 708.8

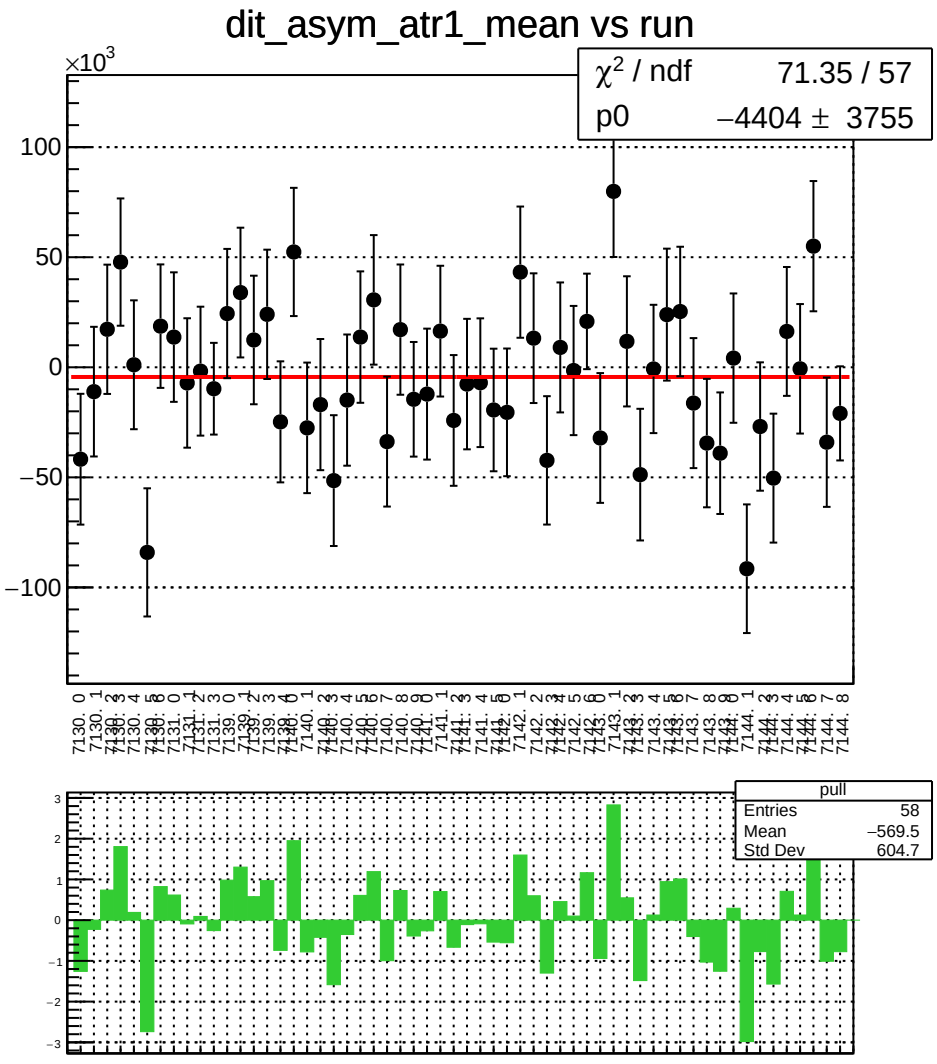

pull1D
Entries 58
Mean −0.008482
Std Dev 1.029

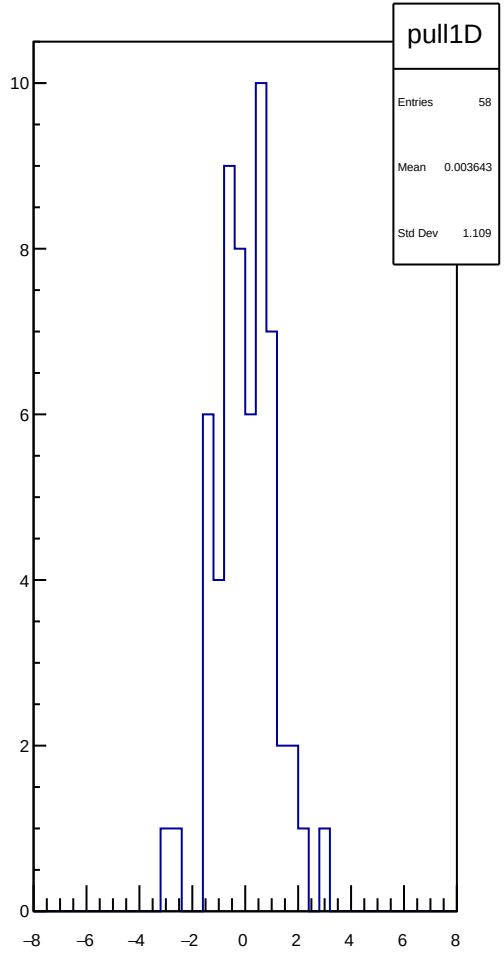

asym_atl2_correction_rms vs run
χ² / ndf 5347 / 57
p0 9687 ± 9.226
12000
11500
11000
10500
10000
9500
9000
8500

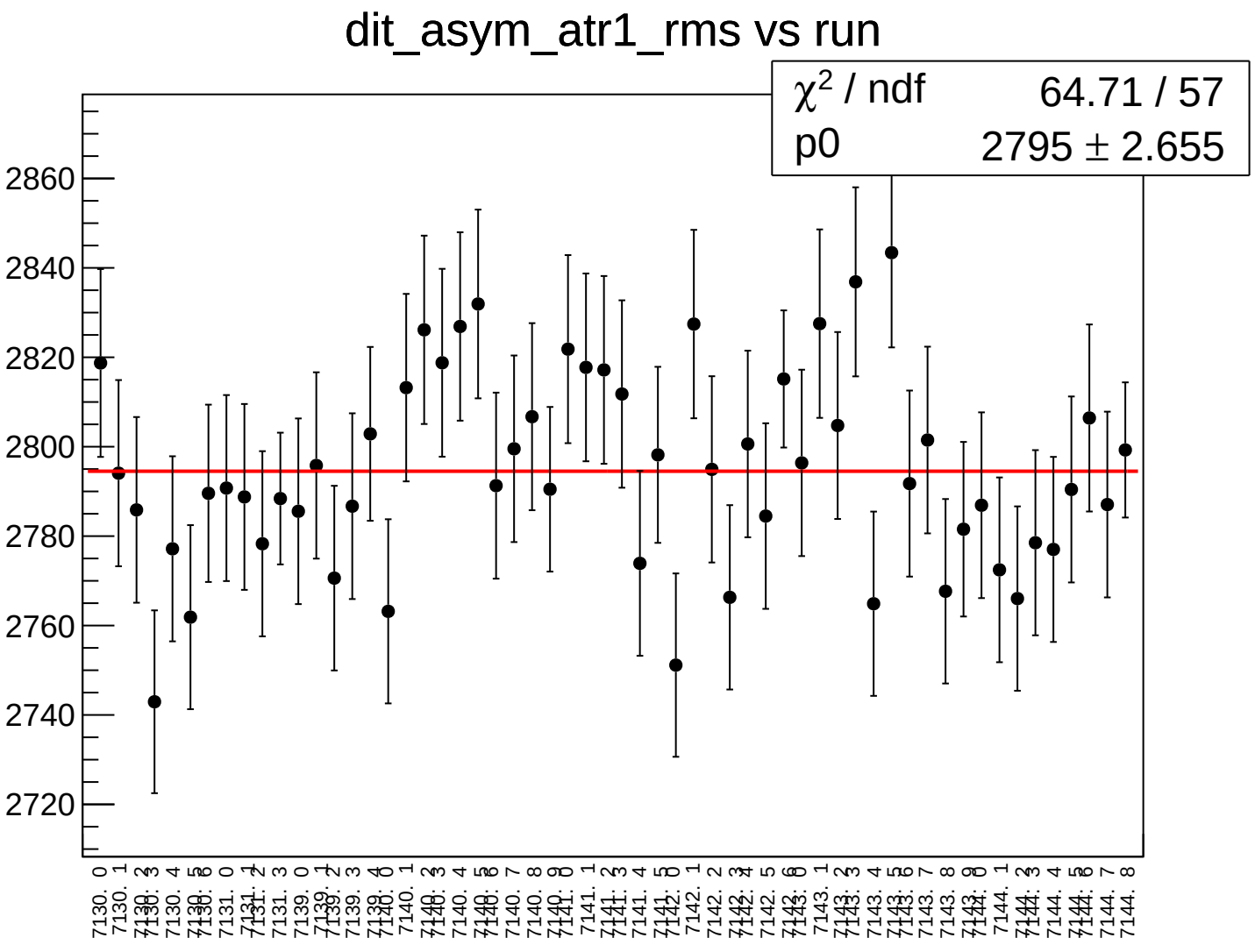

asym_atl2_mean vs run
×10^3
χ² / ndf 61.38 / 57
p0 −968.7 ± 1.324e+04
pull
Entries 58
Mean −269.8
Std Dev 301.6

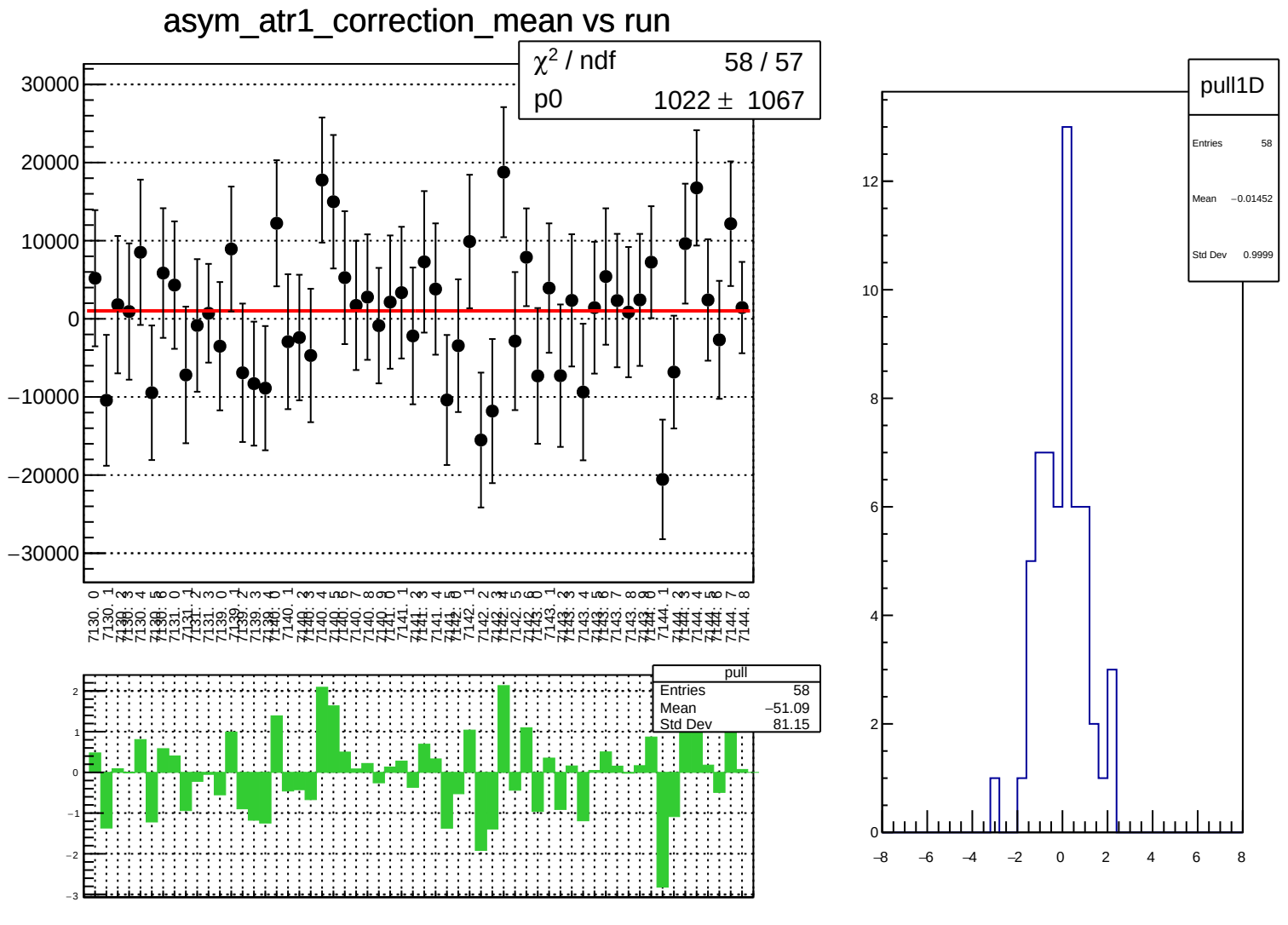

pull1D
Entries 58
Mean 0.01684
Std Dev 1.029

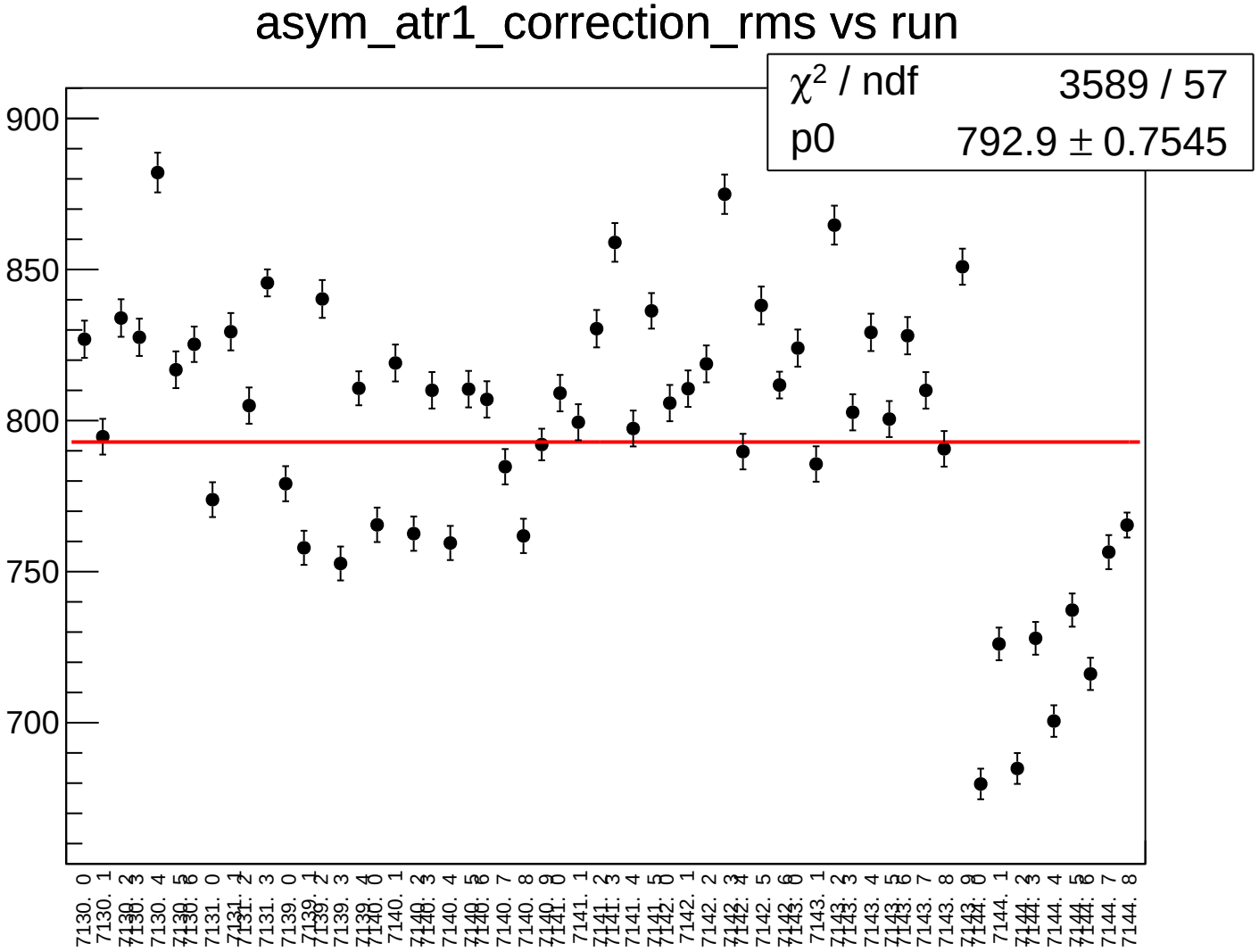

asym_atl2_rms vs run
χ² / ndf 7625 / 57
p0 9821 ± 9.363
14000
13000
12000
11000
10000
9000

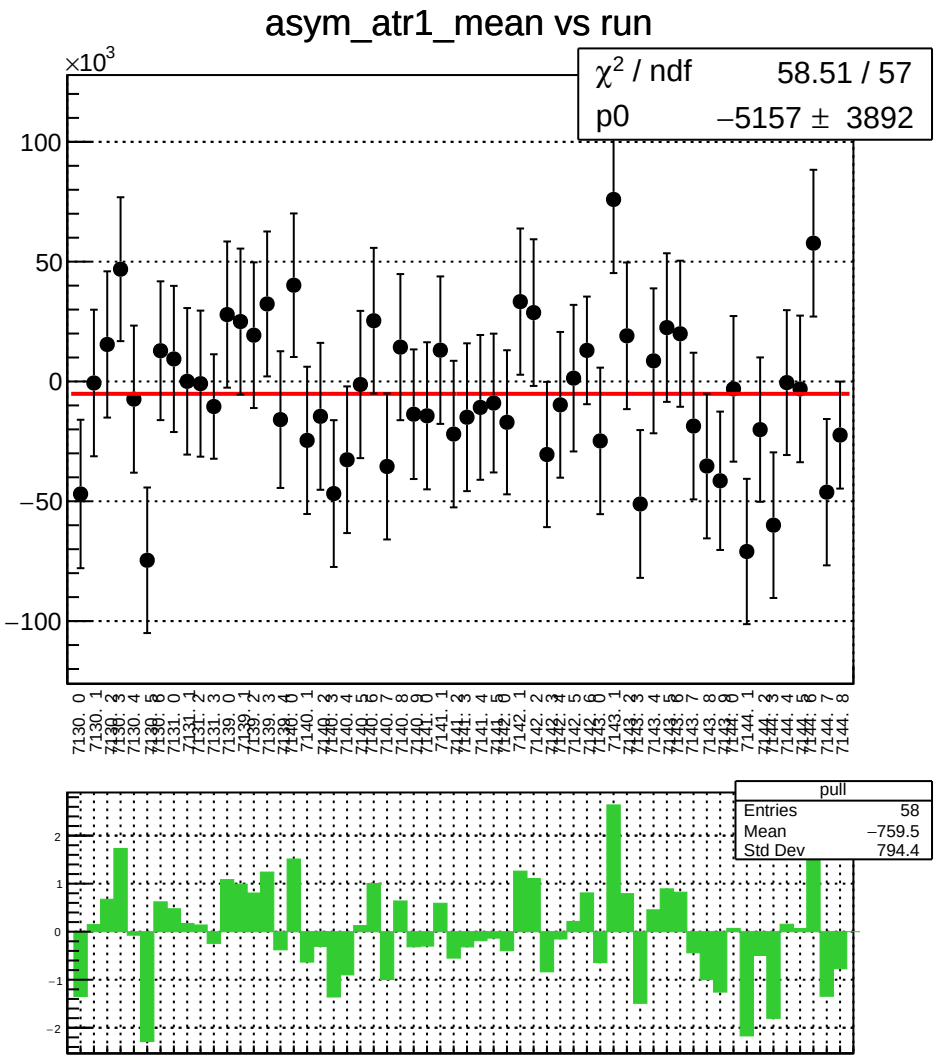

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 71.35 / 57
p0 −4404 ± 3755
100
50
0
−50
−100
pull
Entries 58
Mean −569.5
Std Dev 604.7
3
2
1
0
−1
−2
−3

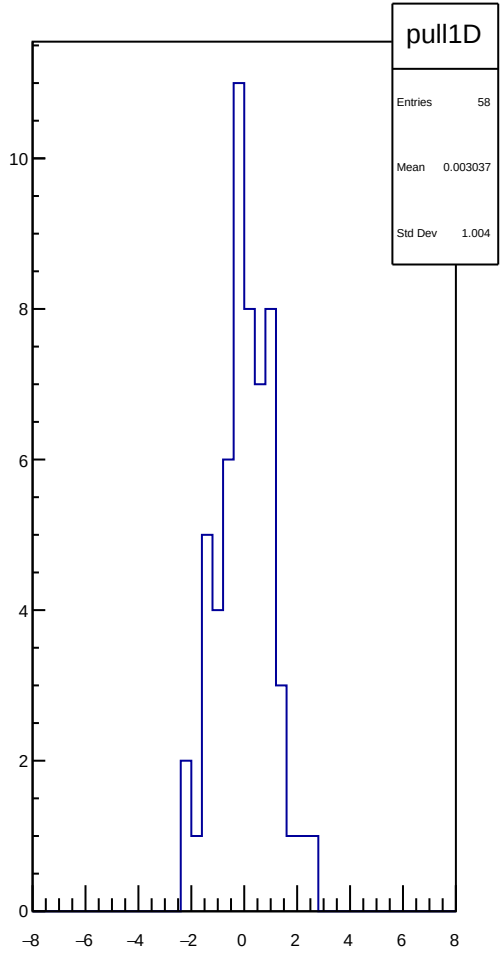

pull1D
Entries 58
Mean 0.003643
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

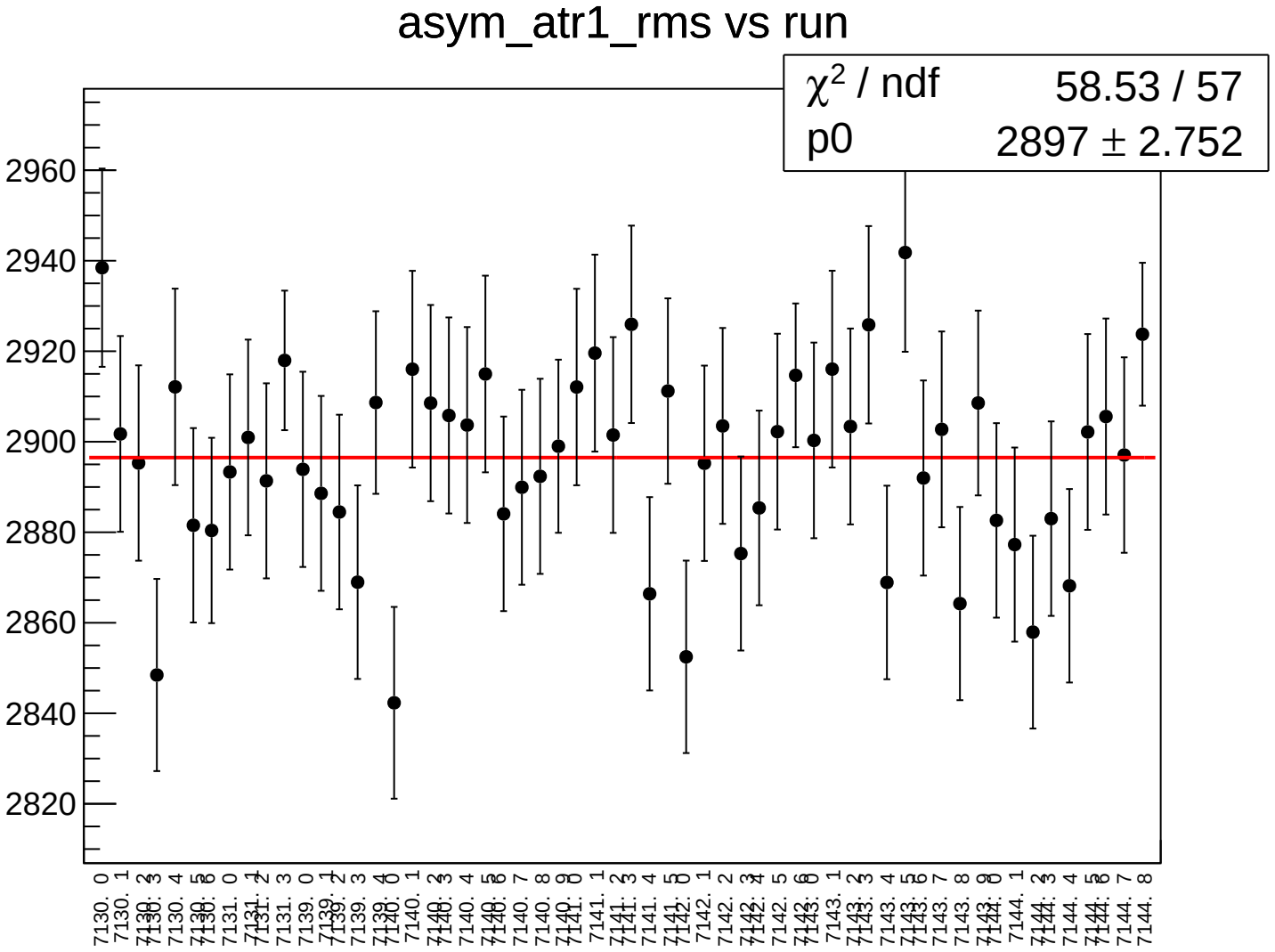

dit_asym_atr1_rms vs run
χ² / ndf 64.71 / 57
p0 2795 ± 2.655
2860
2840
2820
2800
2780
2760
2740
2720

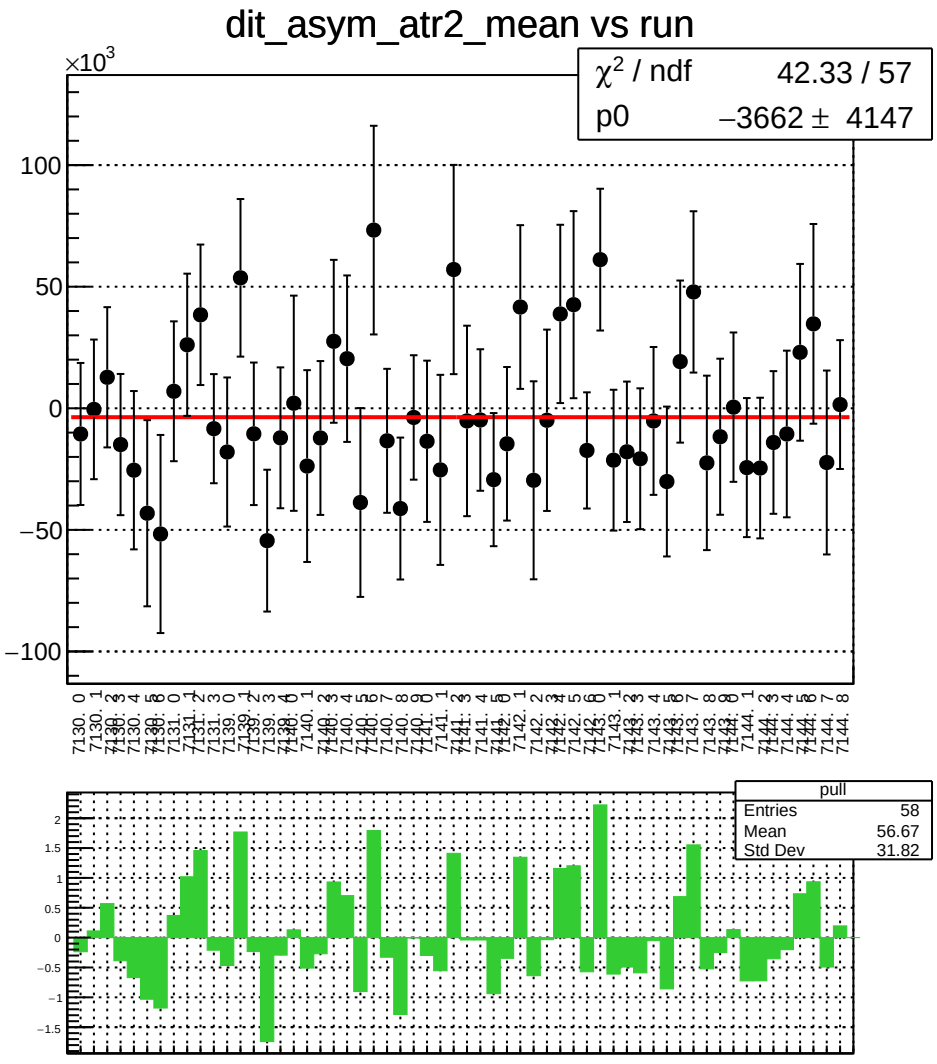

asym_atr1_correction_mean vs run
χ² / ndf 58 / 57
p0 1022 ± 1067
pull
Entries 58
Mean −51.09
Std Dev 81.15
pull1D
Entries 58
Mean −0.01452
Std Dev 0.9999

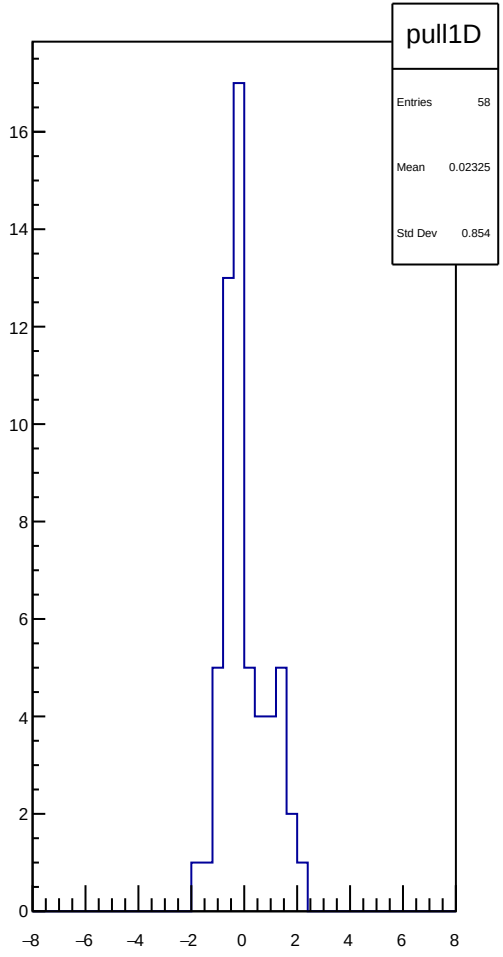

asym_atr1_correction_rms vs run
χ² / ndf 3589 / 57
p0 792.9 ± 0.7545
900
850
800
750
700

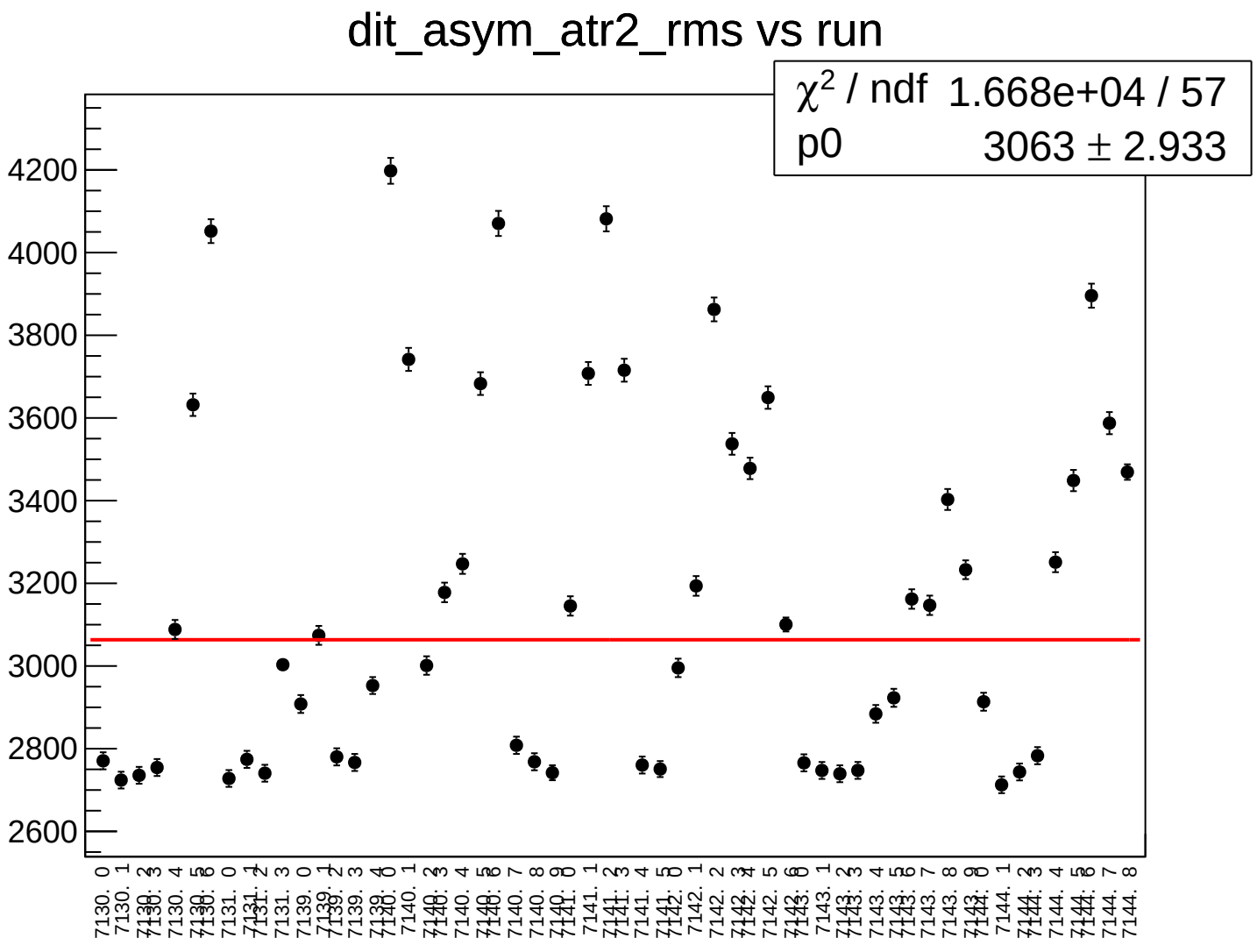

asym_atr1_mean vs run
×10^3
χ² / ndf 58.51 / 57
p0 −5157 ± 3892
pull
Entries 58
Mean −759.5
Std Dev 794.4

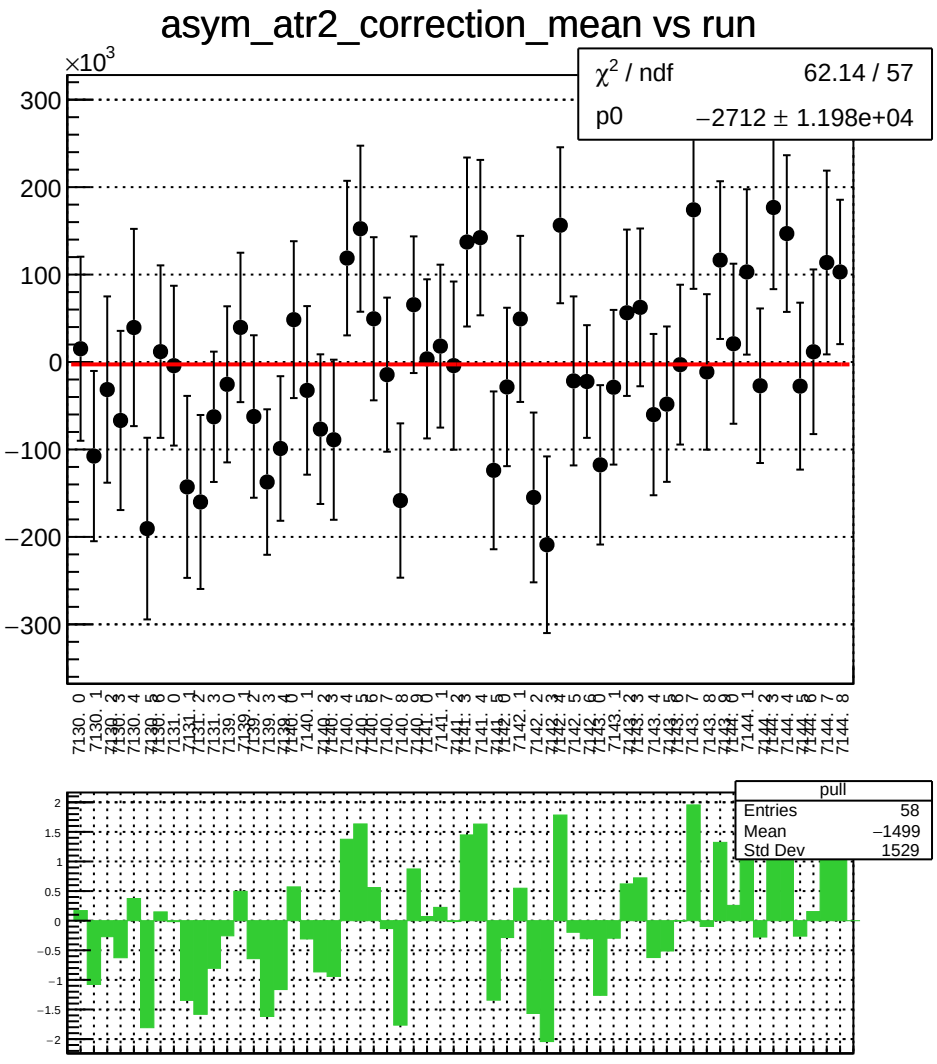

pull1D
Entries 58
Mean 0.003037
Std Dev 1.004

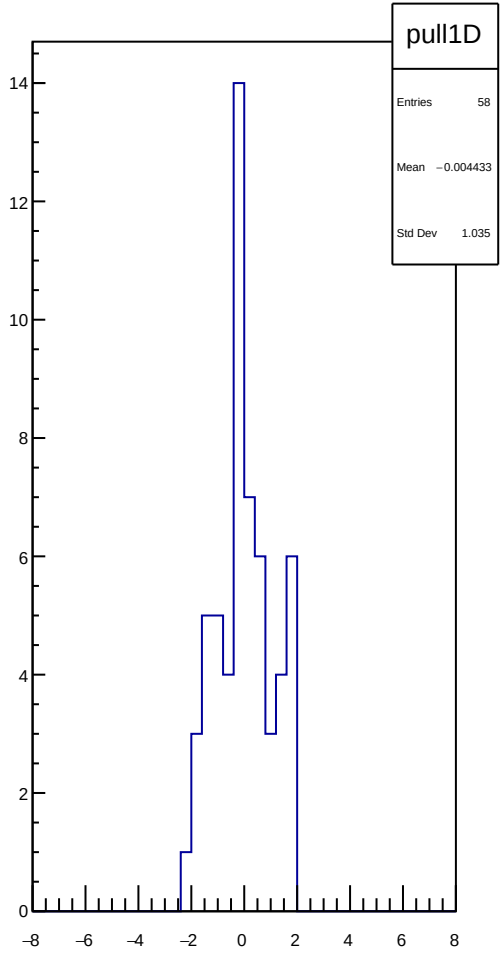

asym_atr1_rms vs run
χ2 / ndf 58.53 / 57
p0 2897 ± 2.752
2960
2940
2920
2900
2880
2860
2840
2820

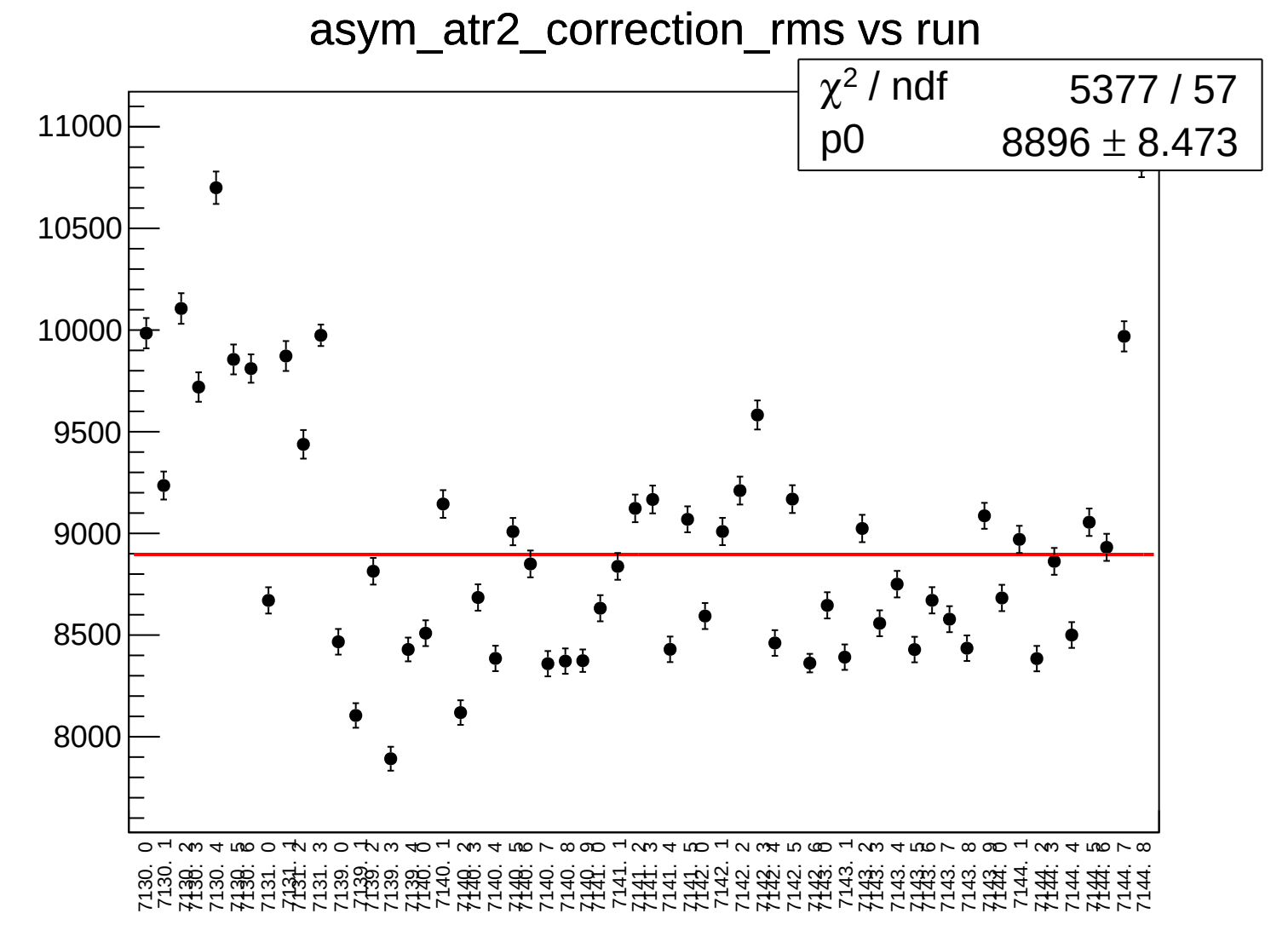

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 42.33 / 57
p0 −3662 ± 4147
100
50
0
−50
−100
pull
Entries 58
Mean 56.67
Std Dev 31.82
2
1.5
1
0.5
0
−0.5
−1
−1.5

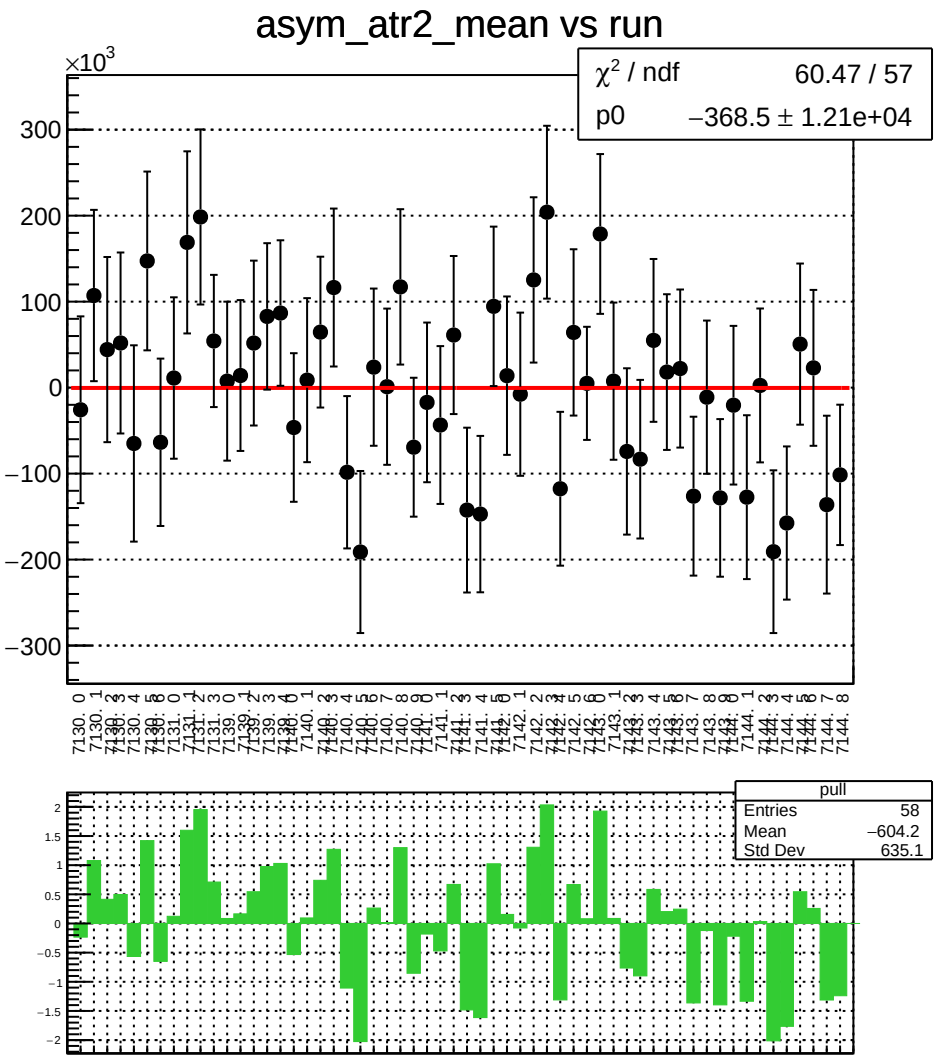

pull1D
Entries 58
Mean 0.02325
Std Dev 0.854
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

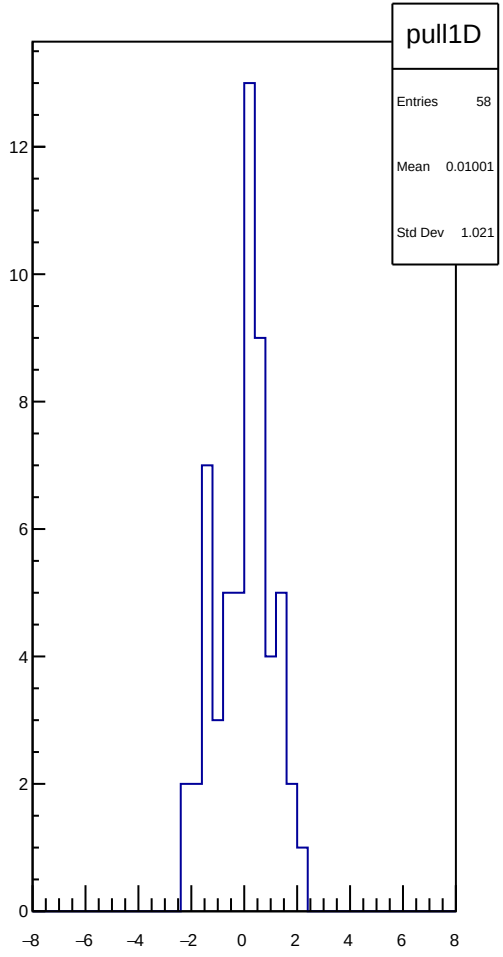

dit_asym_atr2_rms vs run
χ2 / ndf 1.668e+04 / 57
p0 3063 ± 2.933
4200
4000
3800
3600
3400
3200
3000
2800
2600

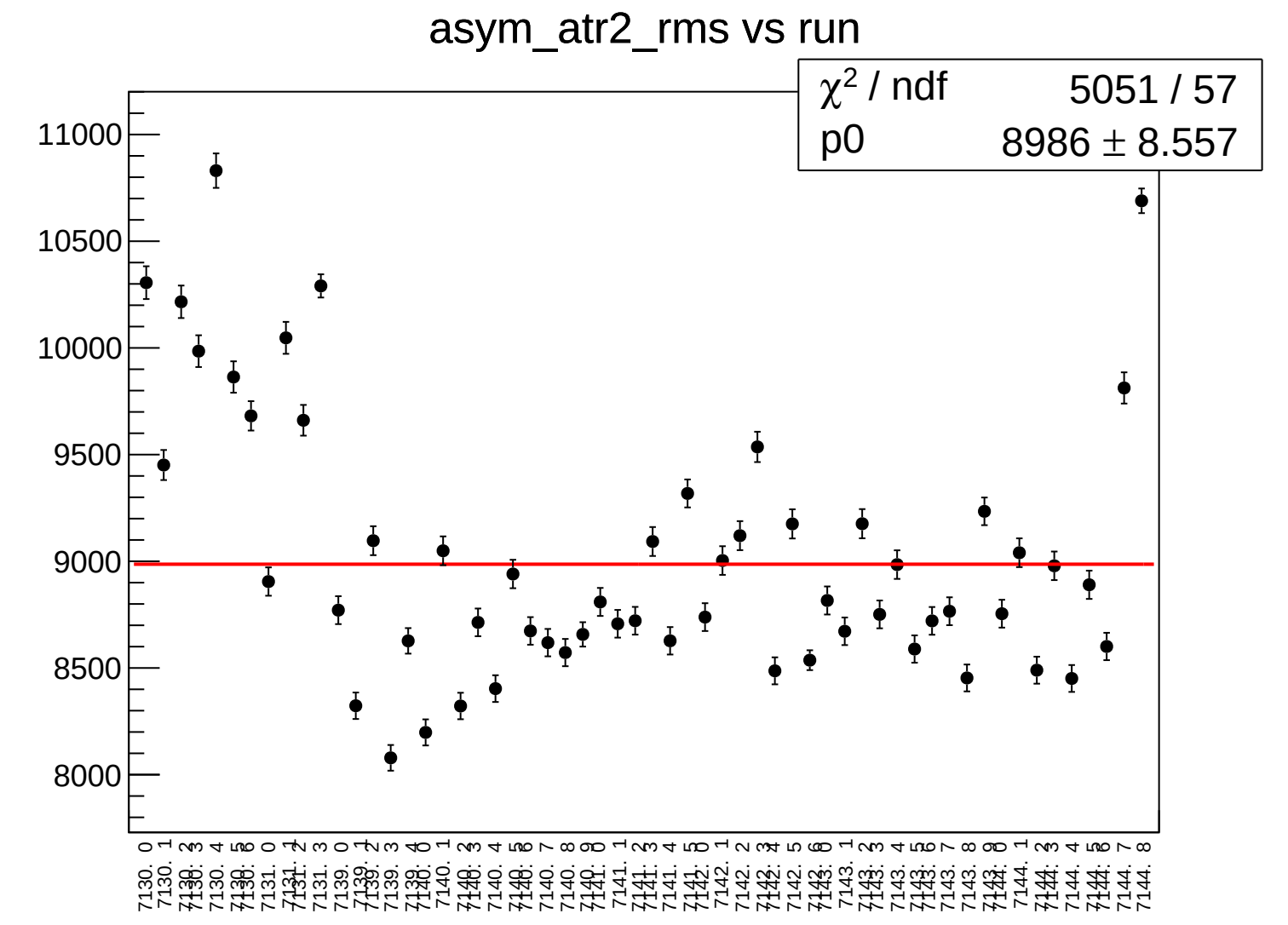

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 62.14 / 57
p0 −2712 ± 1.198e+04
pull
Entries 58
Mean −1499
Std Dev 1529

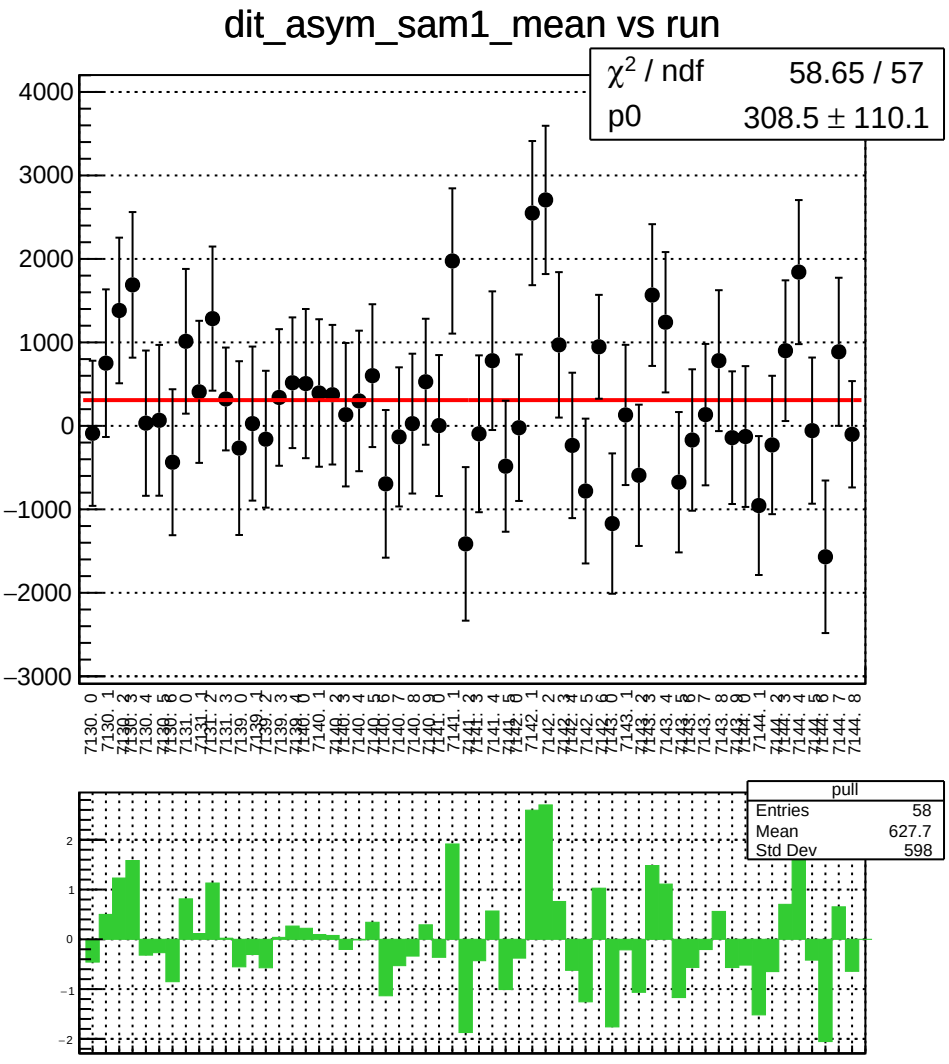

pull1D
Entries 58
Mean −0.004433
Std Dev 1.035

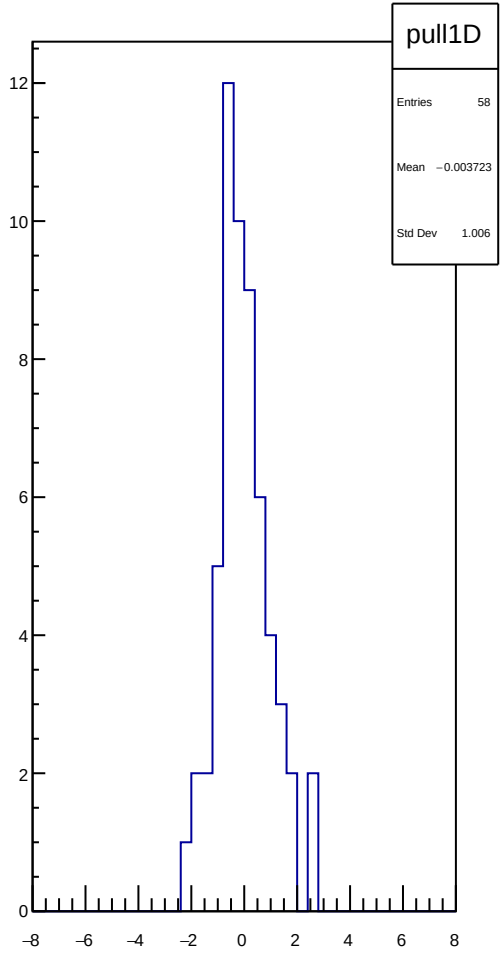

asym_atr2_correction_rms vs run
χ² / ndf 5377 / 57
p0 8896 ± 8.473
11000
10500
10000
9500
9000
8500
8000

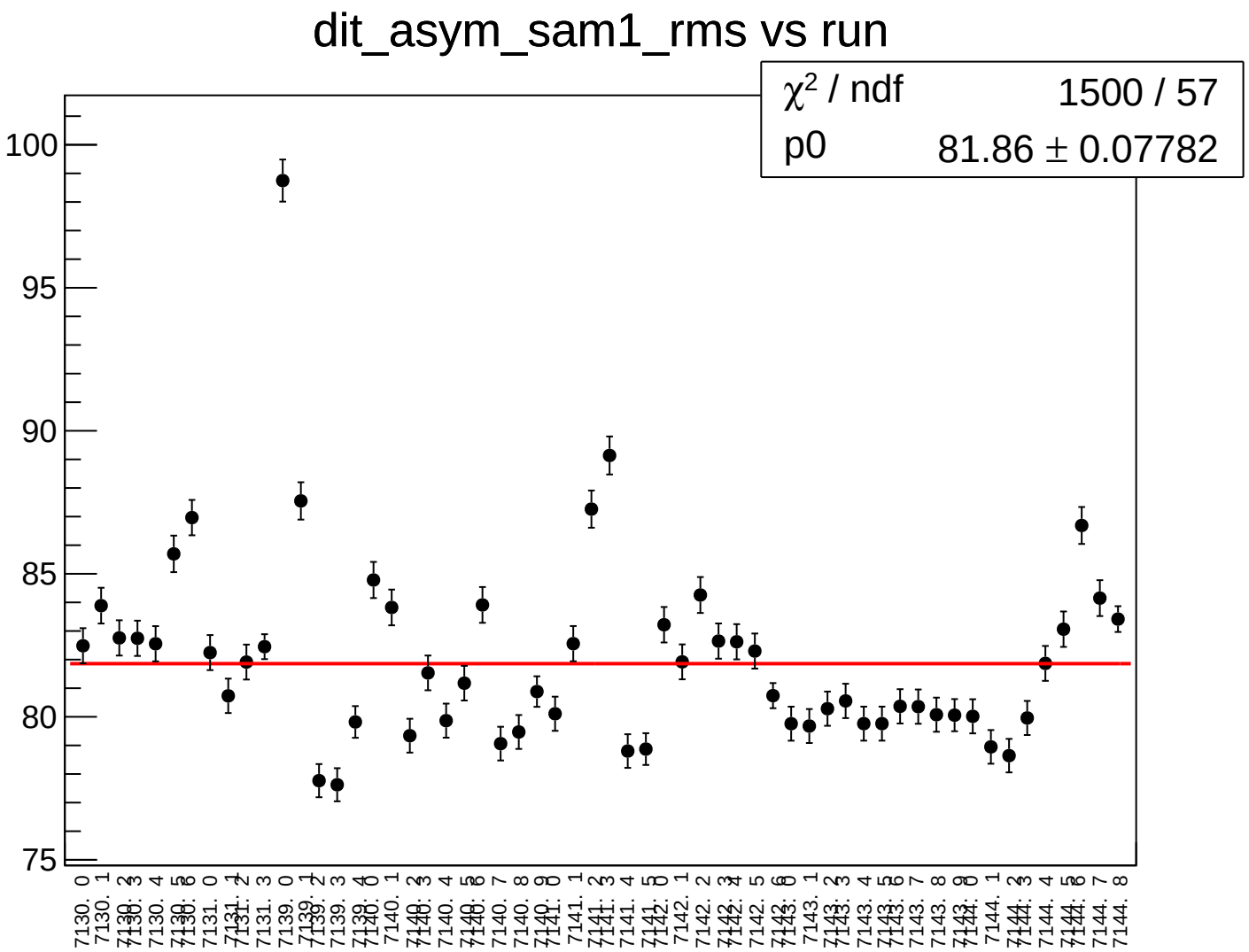

asym_atr2_mean vs run
×10^3
χ² / ndf 60.47 / 57
p0 −368.5 ± 1.21e+04
pull
Entries 58
Mean −604.2
Std Dev 635.1

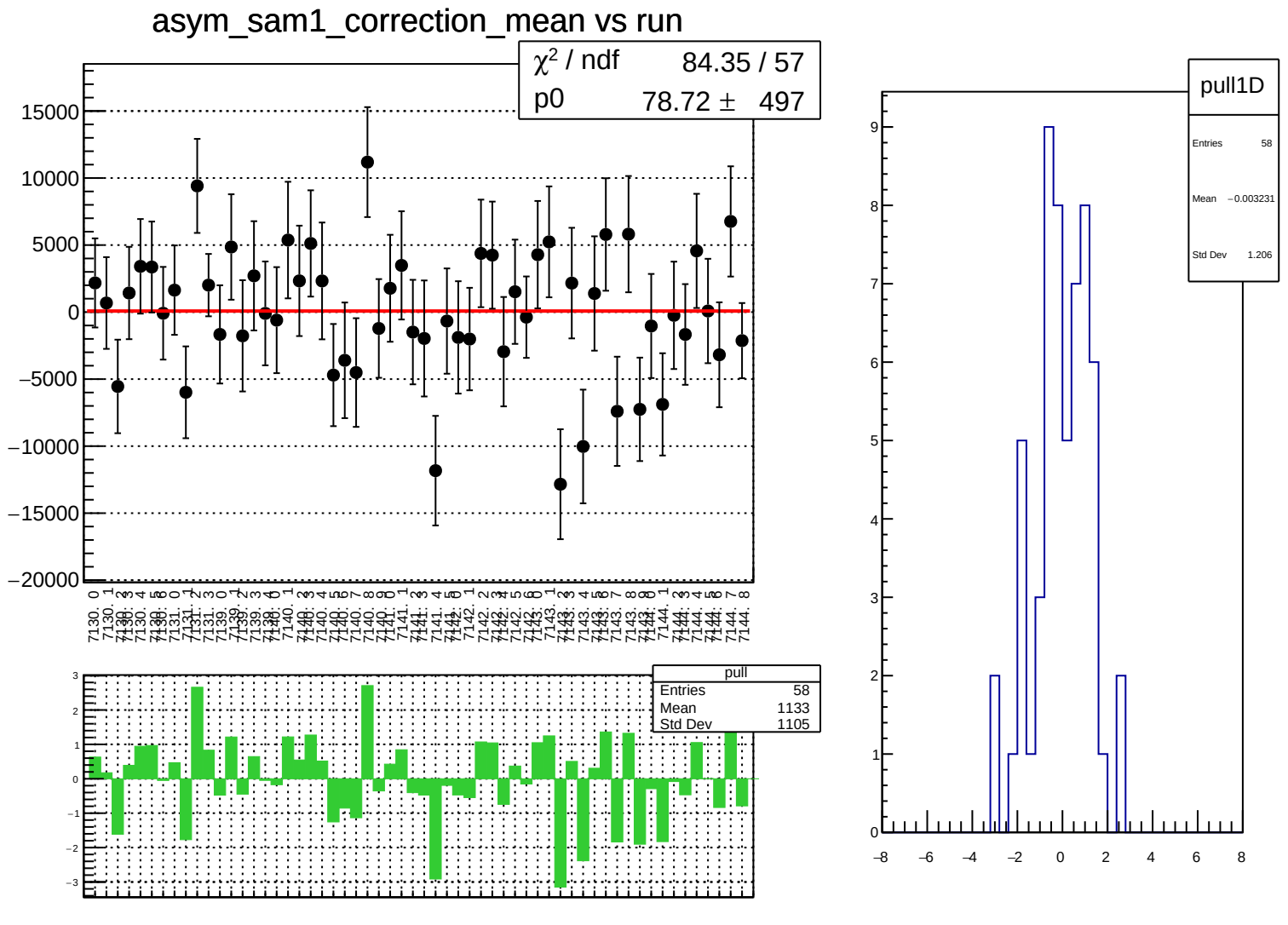

pull1D
Entries 58
Mean 0.01001
Std Dev 1.021

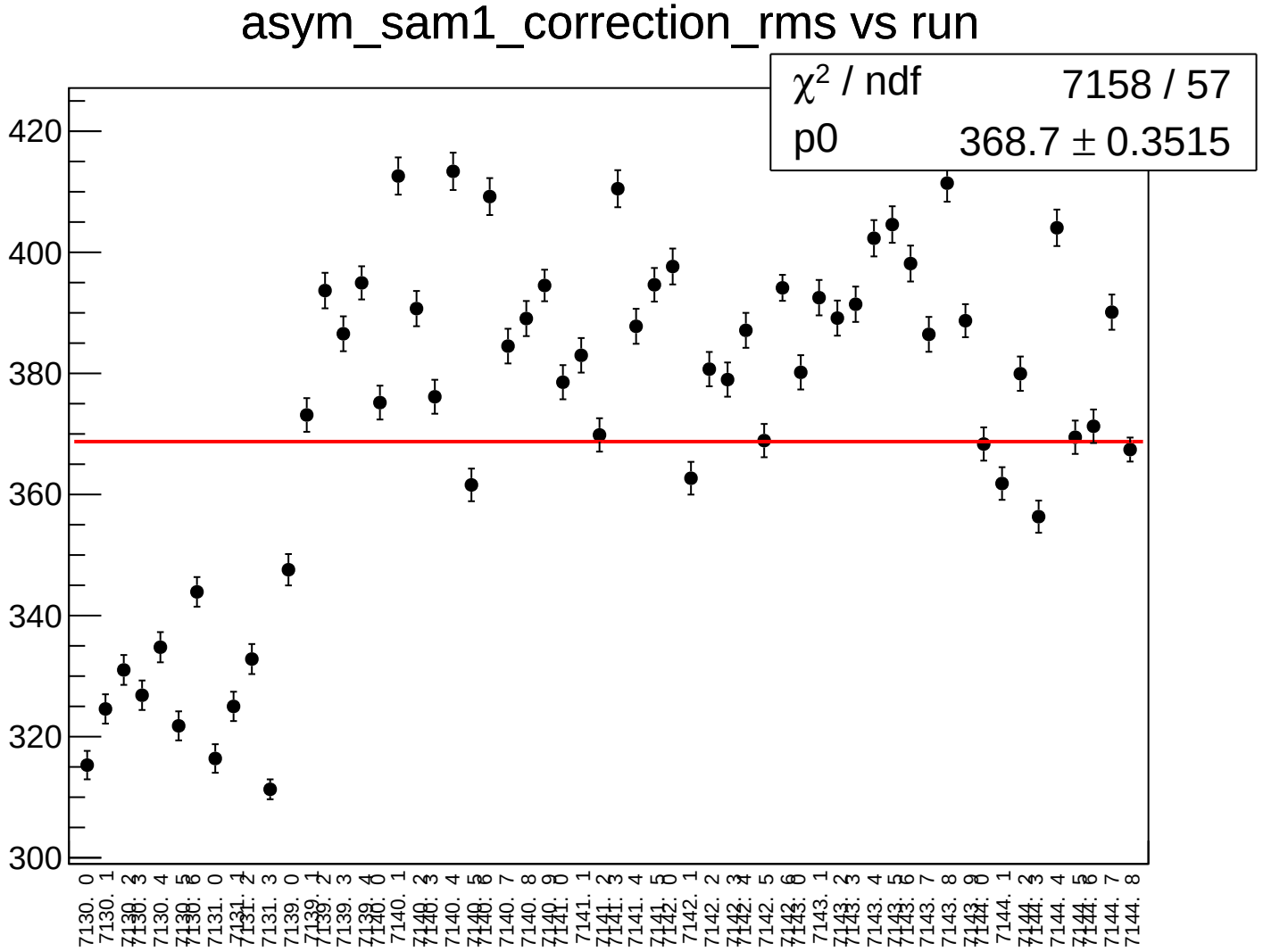

asym_atr2_rms vs run
χ² / ndf 5051 / 57
p0 8986 ± 8.557
11000
10500
10000
9500
9000
8500
8000

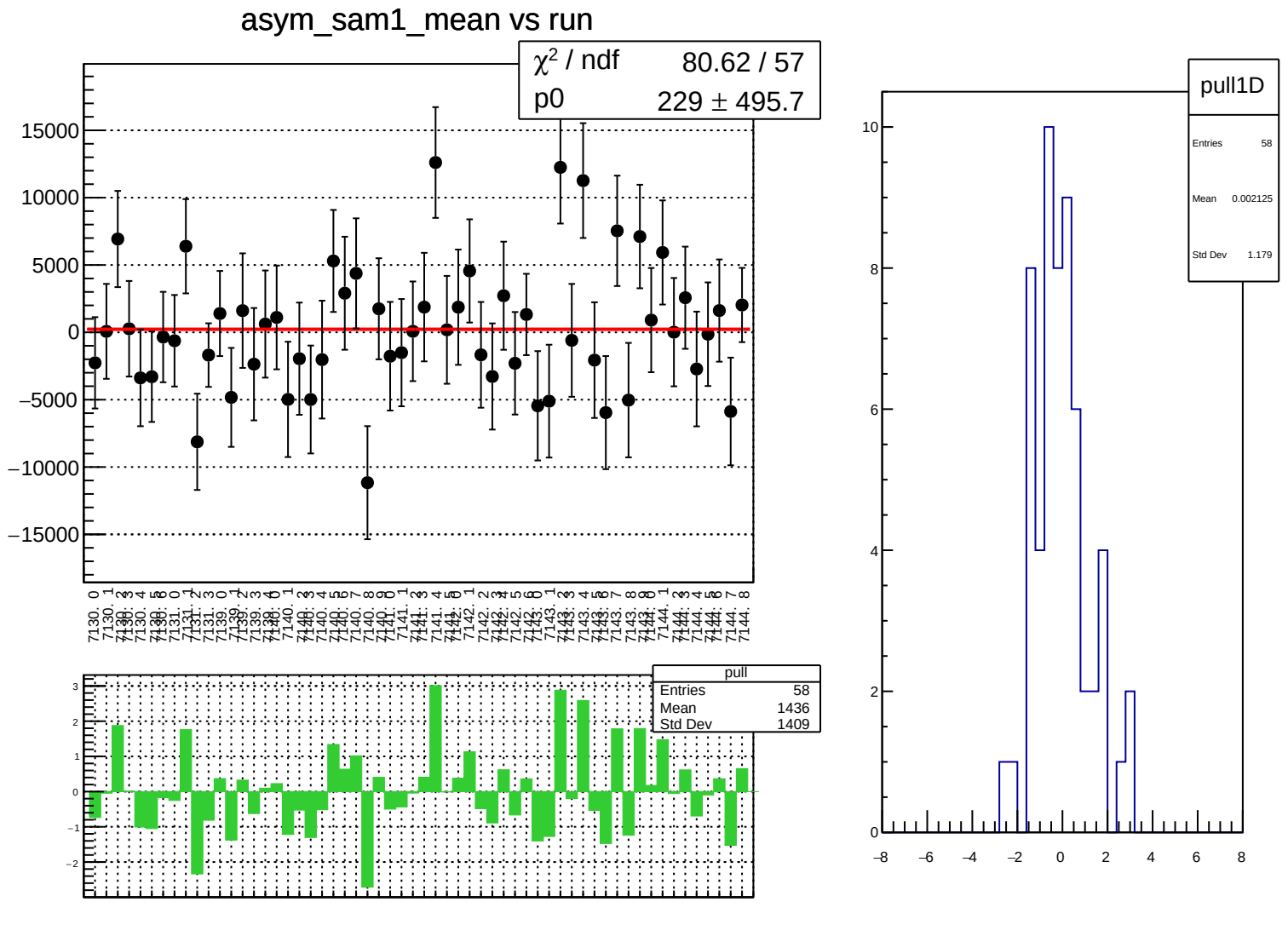

dit_asym_sam1_mean vs run
χ² / ndf 58.65 / 57
p0 308.5 ± 110.1
pull
Entries 58
Mean 627.7
Std Dev 598

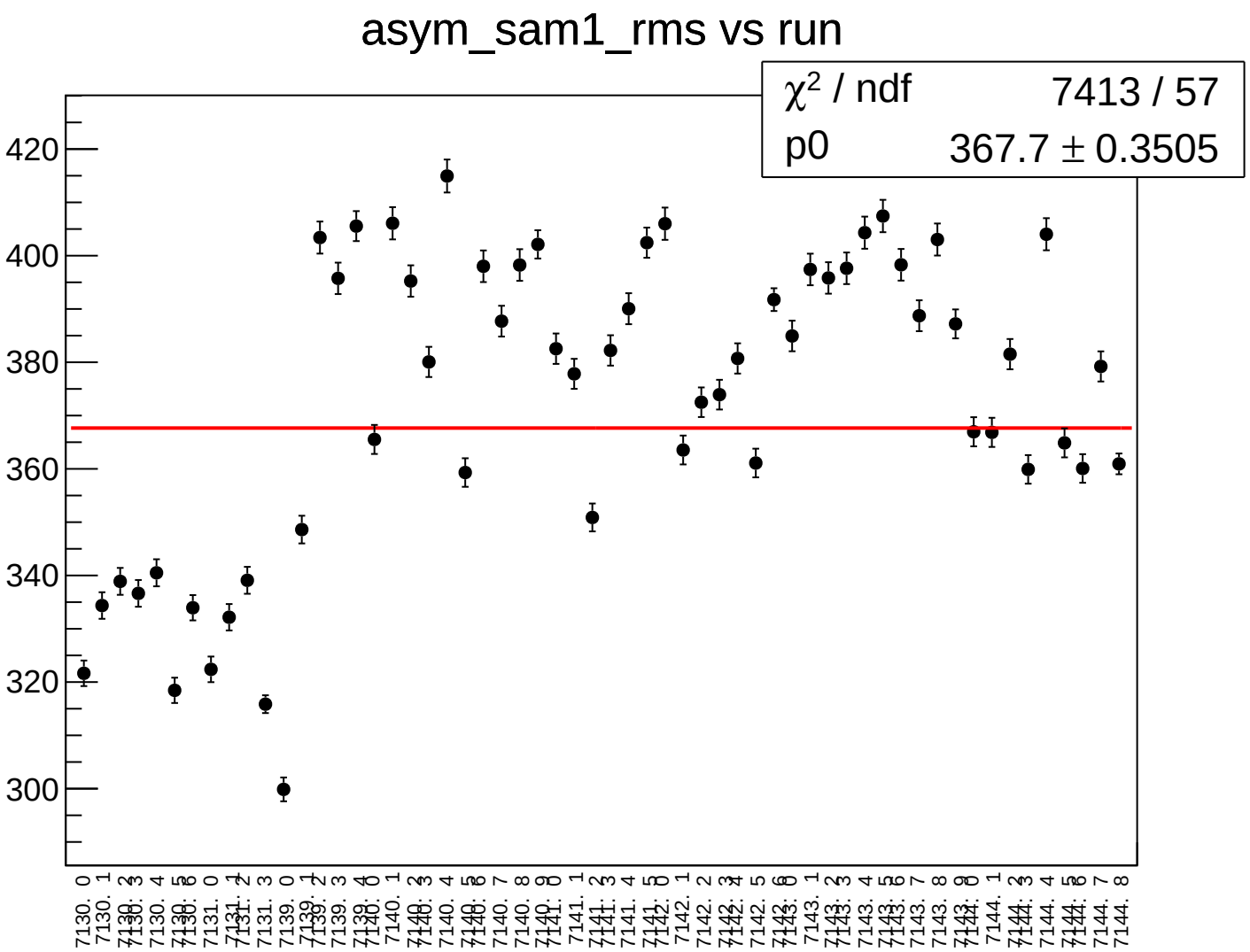

pull1D
Entries 58
Mean −0.003723
Std Dev 1.006

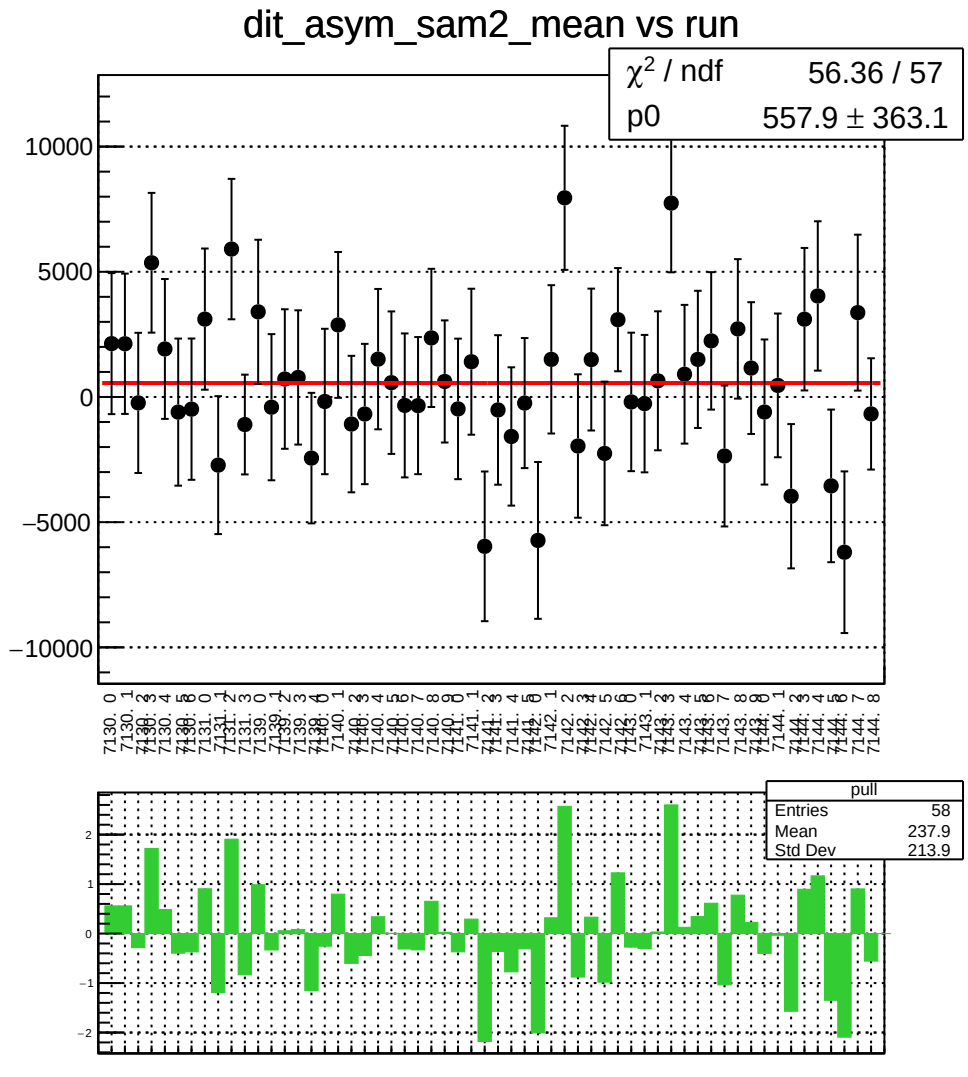

dit_asym_sam1_rms vs run
χ2 / ndf 1500 / 57
p0 81.86 ± 0.07782
100
95
90
85
80
75

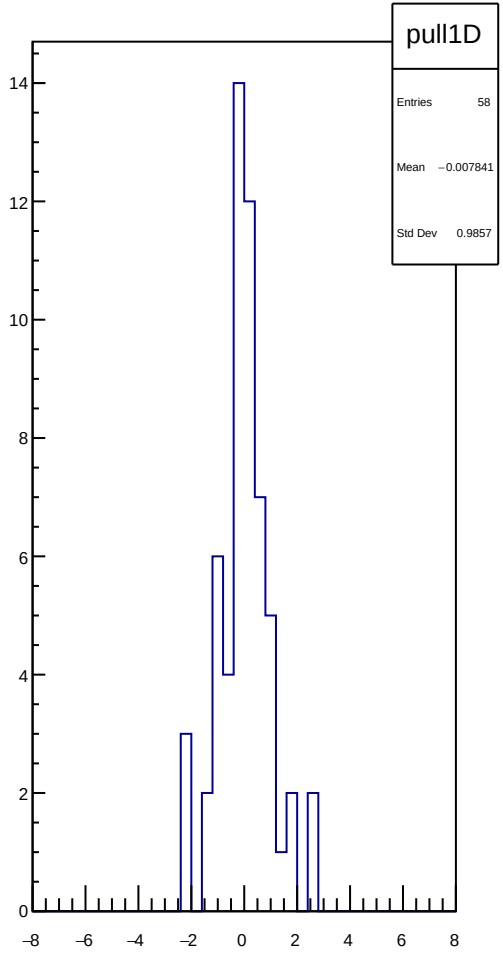

asym_sam1_correction_mean vs run
χ² / ndf 84.35 / 57
p0 78.72 ± 497
pull
Entries 58
Mean 1133
Std Dev 1105
pull1D
Entries 58
Mean −0.003231
Std Dev 1.206

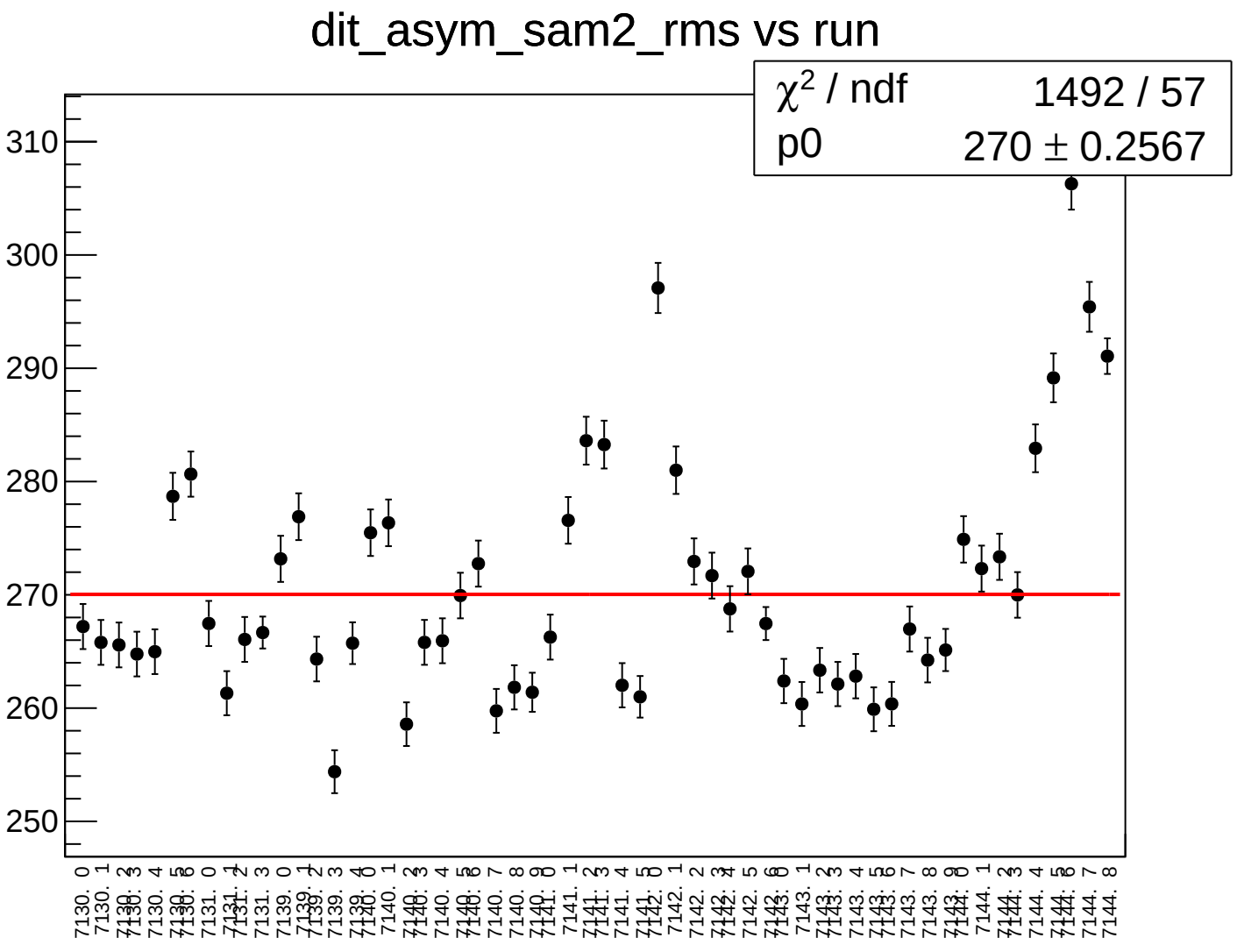

asym_sam1_correction_rms vs run
χ^2 / ndf 7158 / 57
p0 368.7 ± 0.3515
420
400
380
360
340
320
300

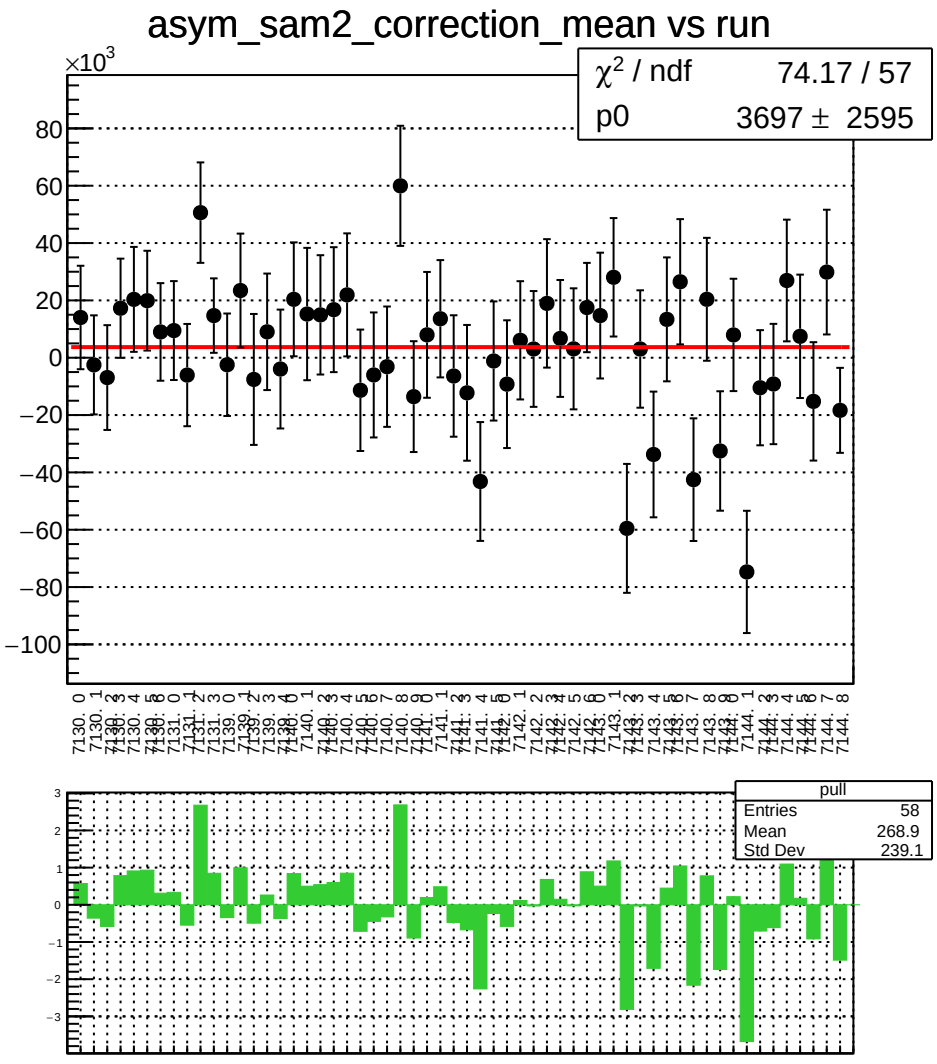

asym_sam1_mean vs run
χ² / ndf 80.62 / 57
p0 229 ± 495.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 1436
Std Dev 1409
pull1D
Entries 58
Mean 0.002125
Std Dev 1.179
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

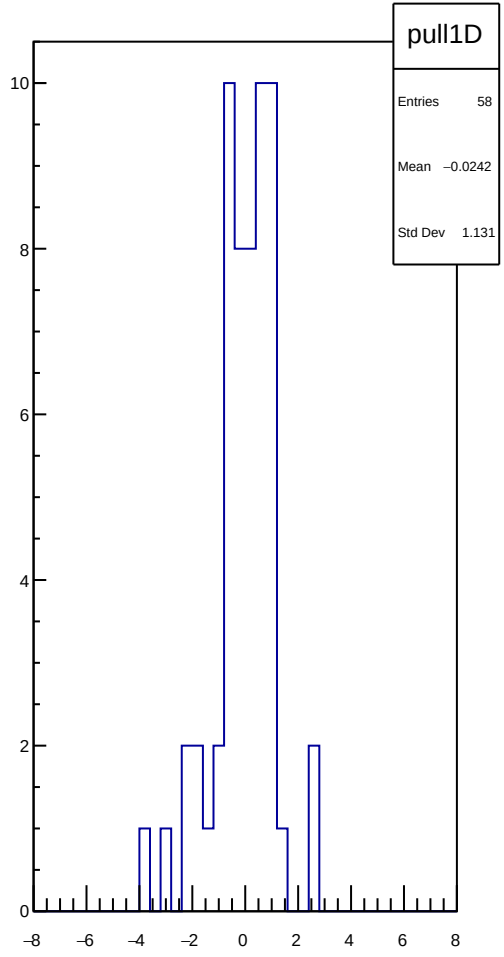

asym_sam1_rms vs run
χ² / ndf 7413 / 57
p0 367.7 ± 0.3505
420
400
380
360
340
320
300

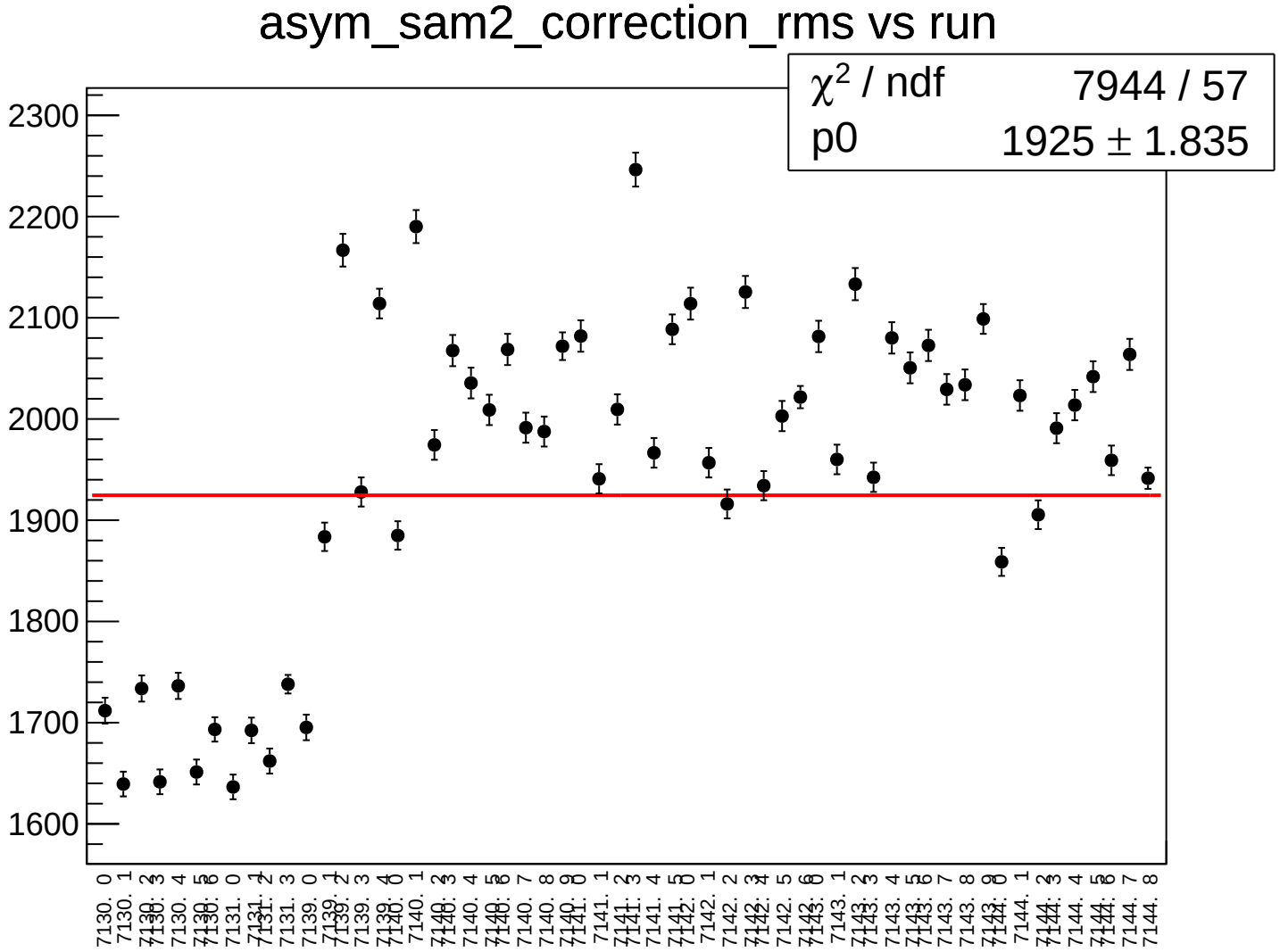

dit_asym_sam2_mean vs run
χ² / ndf 56.36 / 57
p0 557.9 ± 363.1
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 237.9
Std Dev 213.9
2
1
0
−1
−2

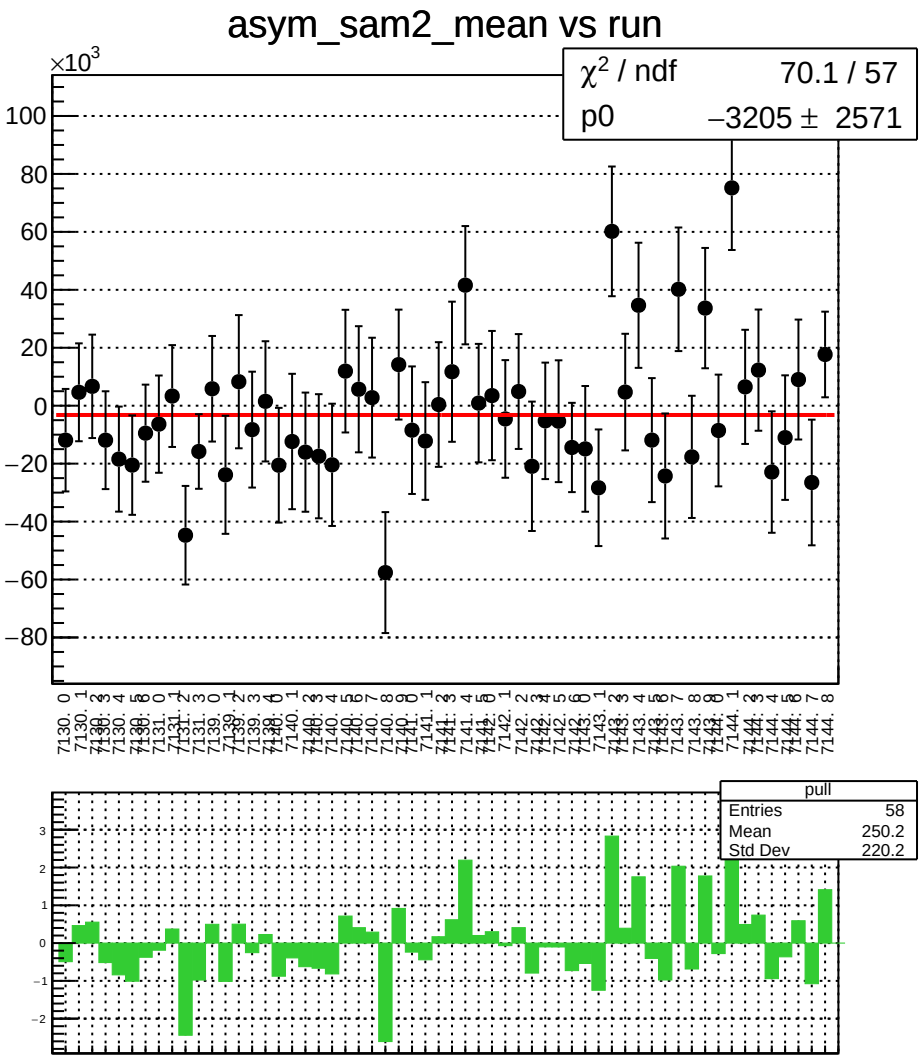

pull1D
Entries 58
Mean −0.007841
Std Dev 0.9857
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

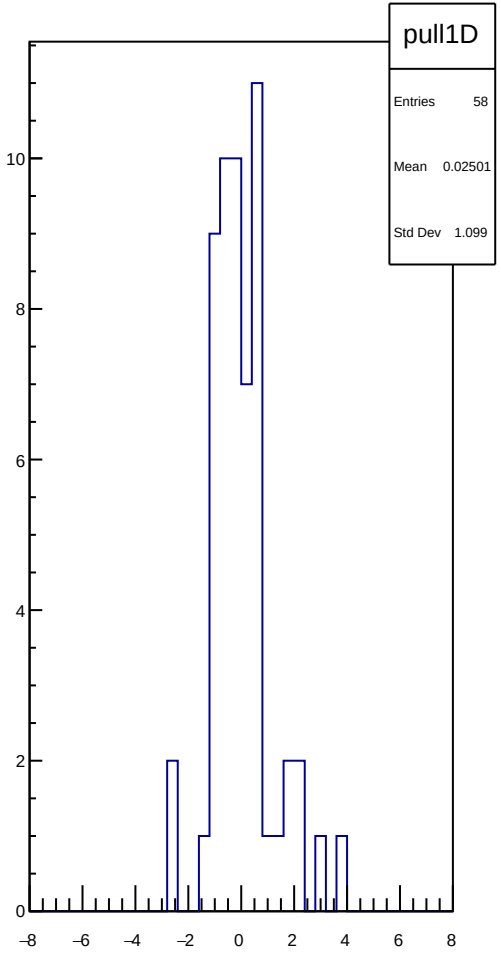

dit_asym_sam2_rms vs run
χ² / ndf 1492 / 57
p0 270 ± 0.2567
310
300
290
280
270
260
250

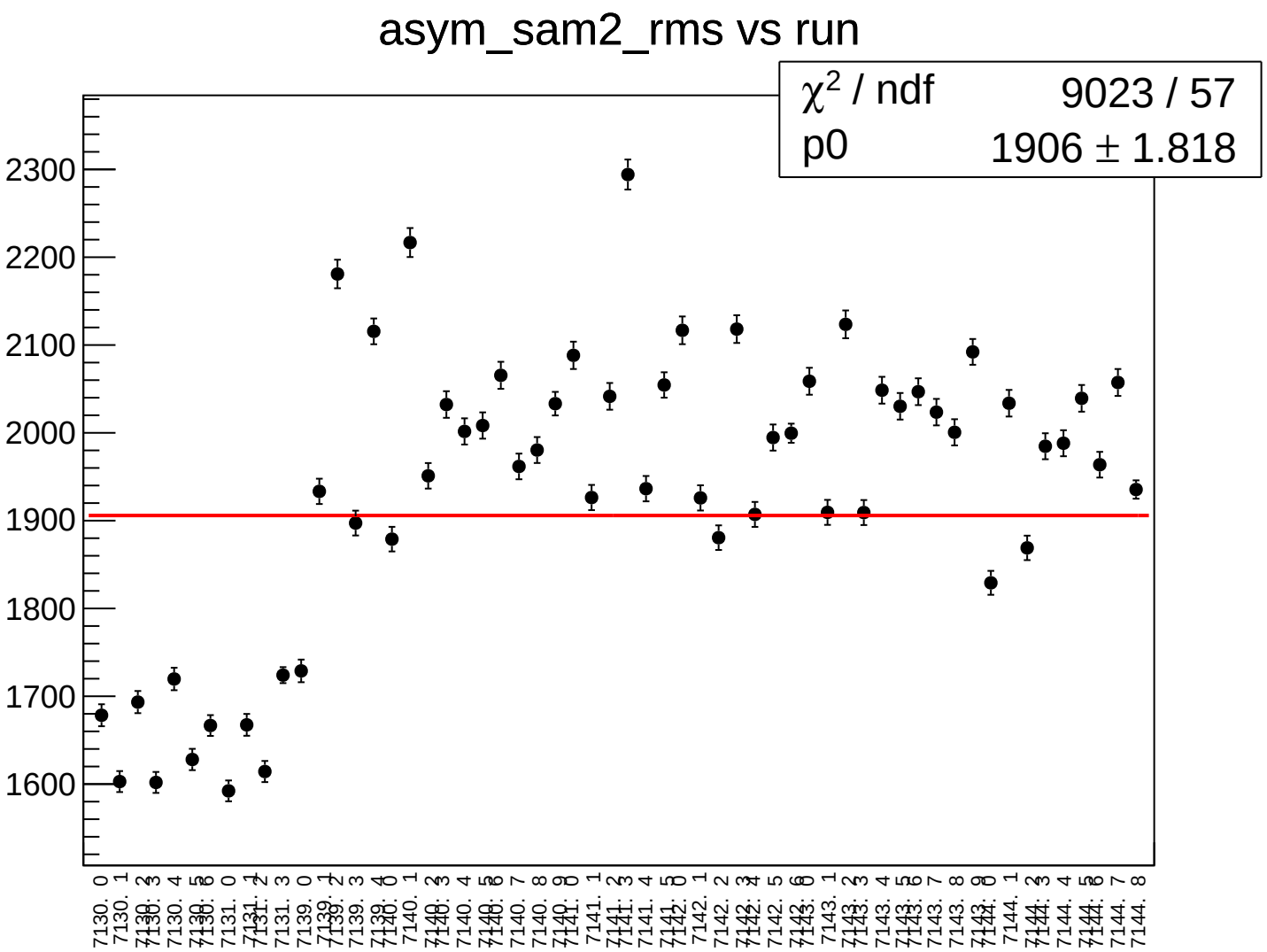

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 74.17 / 57
p0 3697 ± 2595
pull
Entries 58
Mean 268.9
Std Dev 239.1

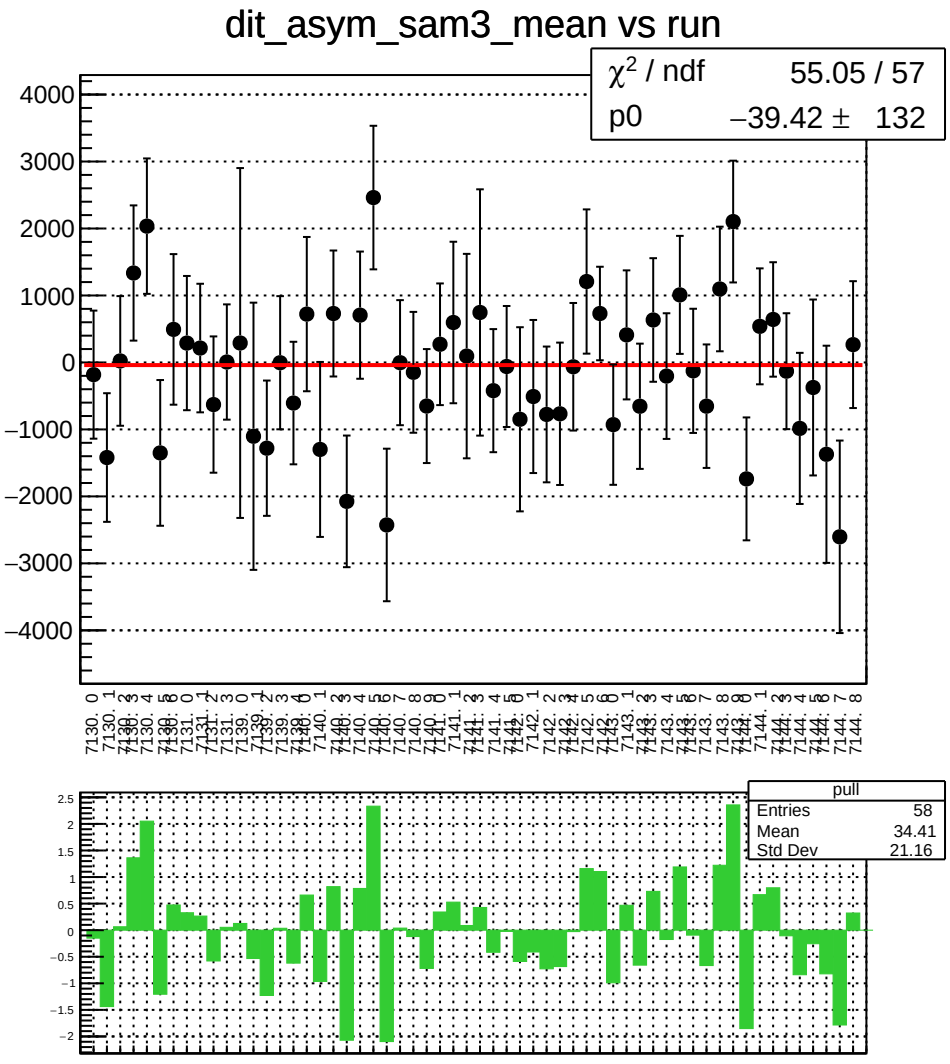

pull1D
Entries 58
Mean −0.0242
Std Dev 1.131

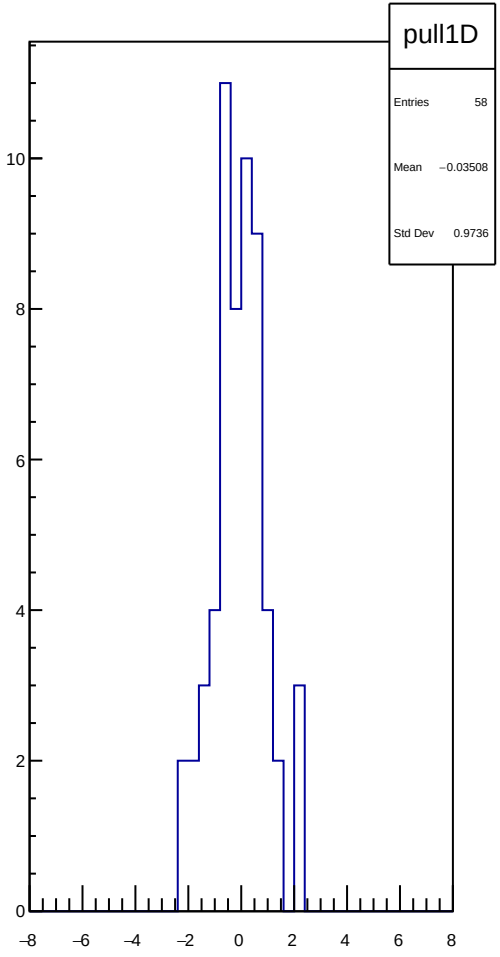

asym_sam2_correction_rms vs run
χ2 / ndf 7944 / 57
p0 1925 ± 1.835
2300
2200
2100
2000
1900
1800
1700
1600

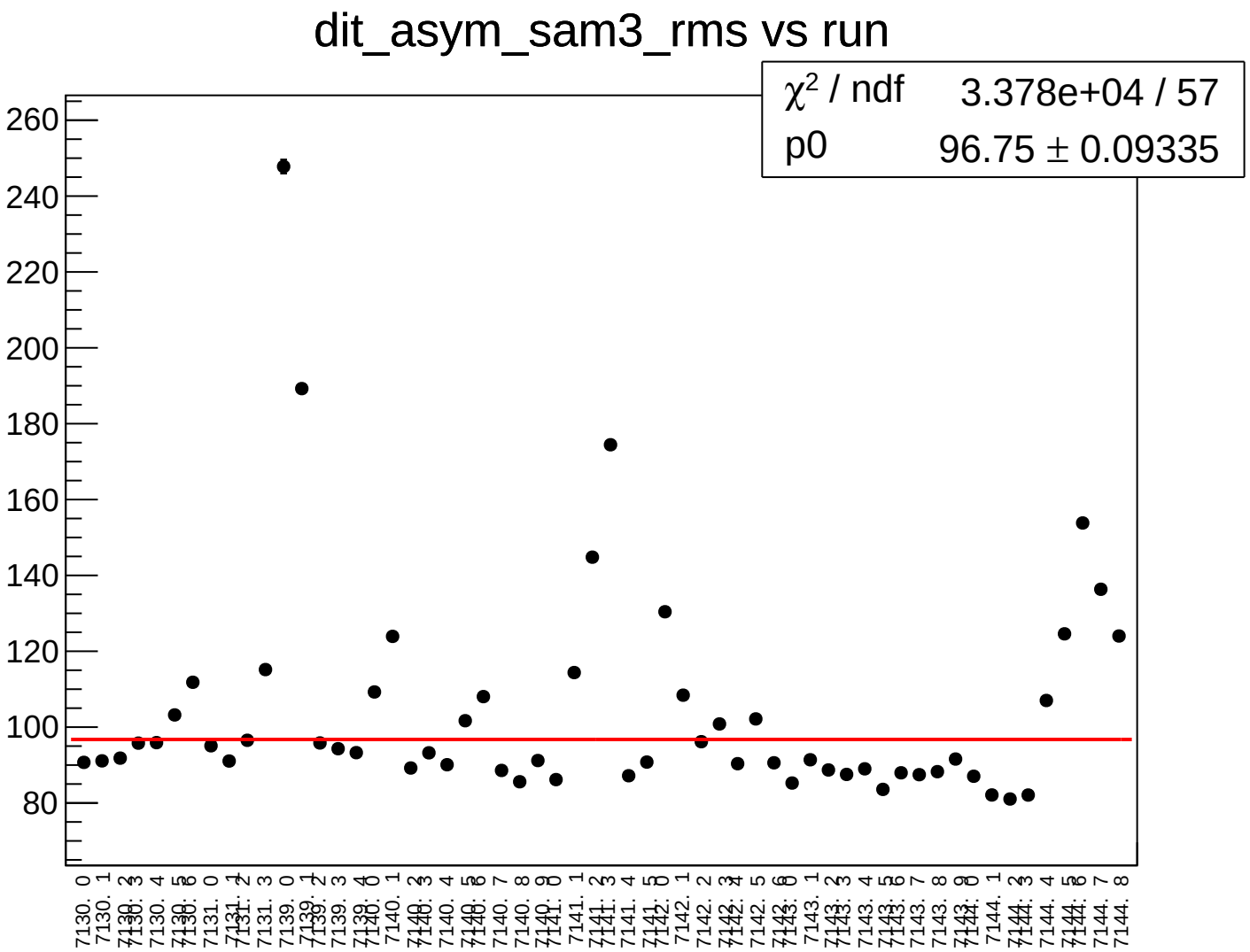

asym_sam2_mean vs run
×10^3
χ² / ndf 70.1 / 57
p0 −3205 ± 2571
pull
Entries 58
Mean 250.2
Std Dev 220.2

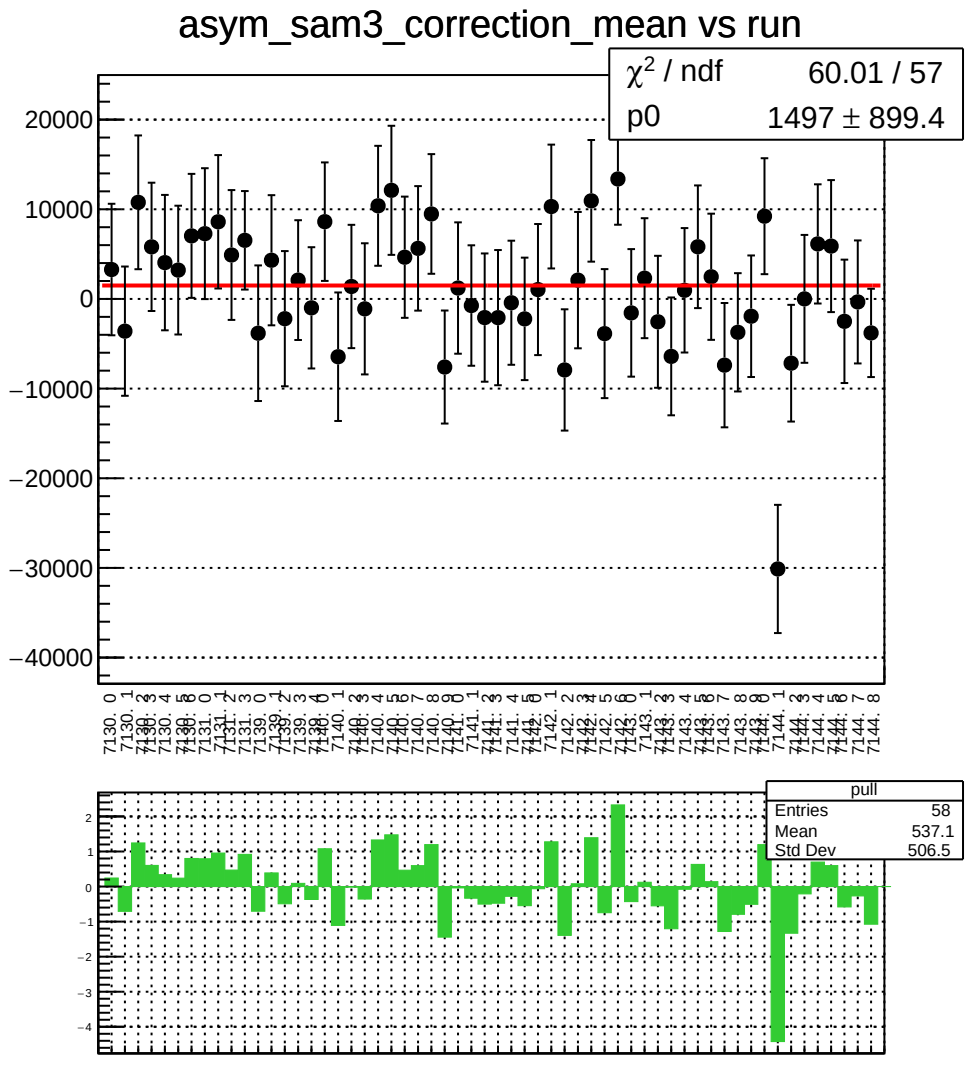

pull1D
Entries 58
Mean 0.02501
Std Dev 1.099

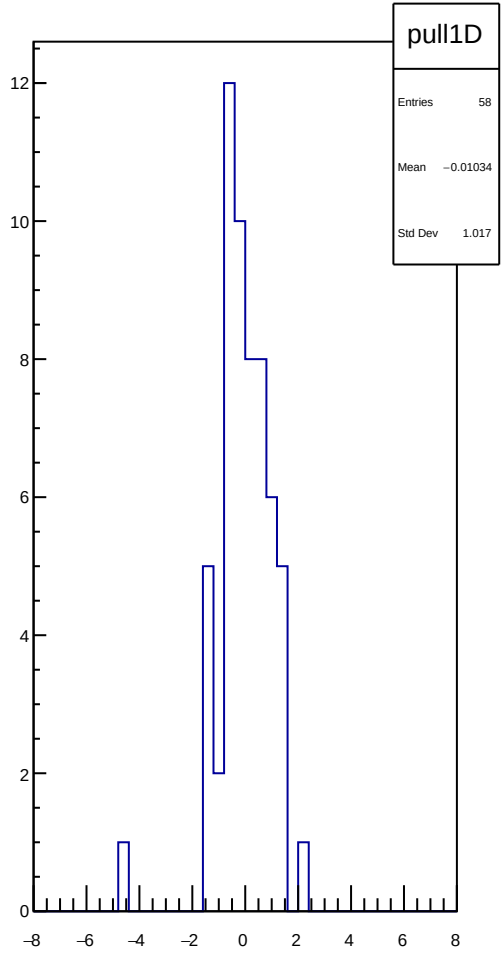

asym_sam2_rms vs run
χ2 / ndf 9023 / 57
p0 1906 ± 1.818
2300
2200
2100
2000
1900
1800
1700
1600

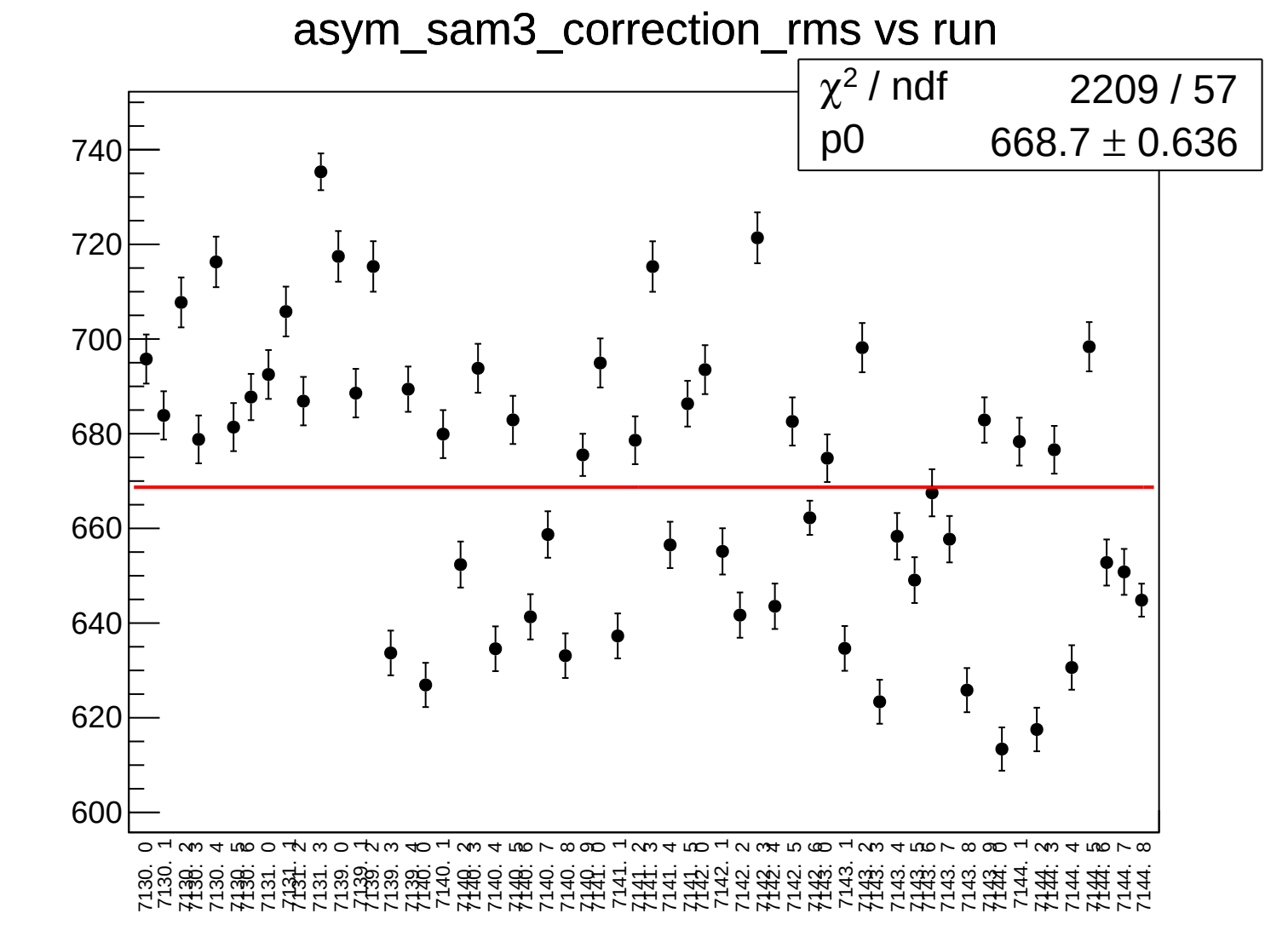

dit_asym_sam3_mean vs run
χ² / ndf 55.05 / 57
p0 −39.42 ± 132
pull
Entries 58
Mean 34.41
Std Dev 21.16

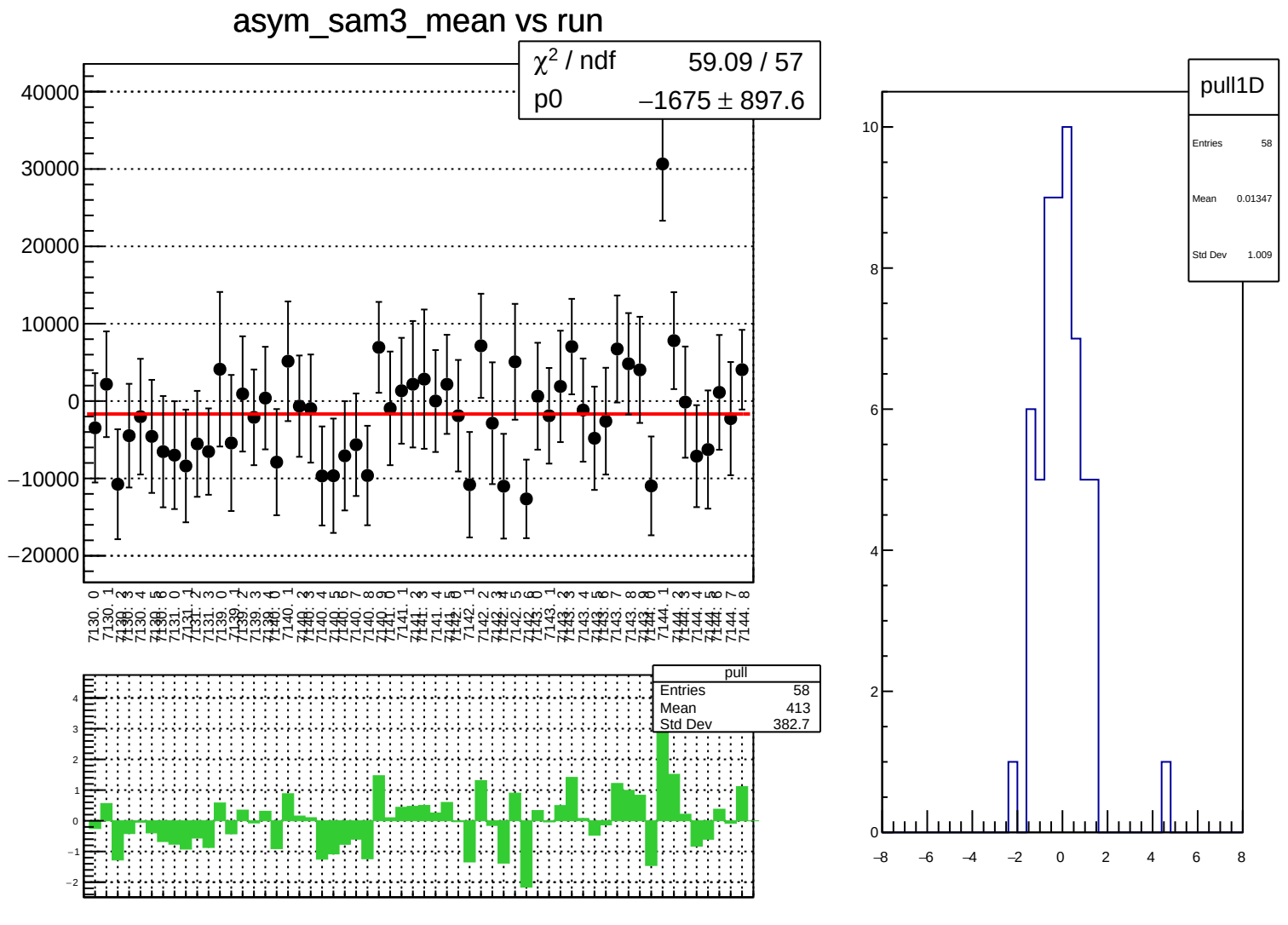

pull1D
Entries 58
Mean −0.03508
Std Dev 0.9736

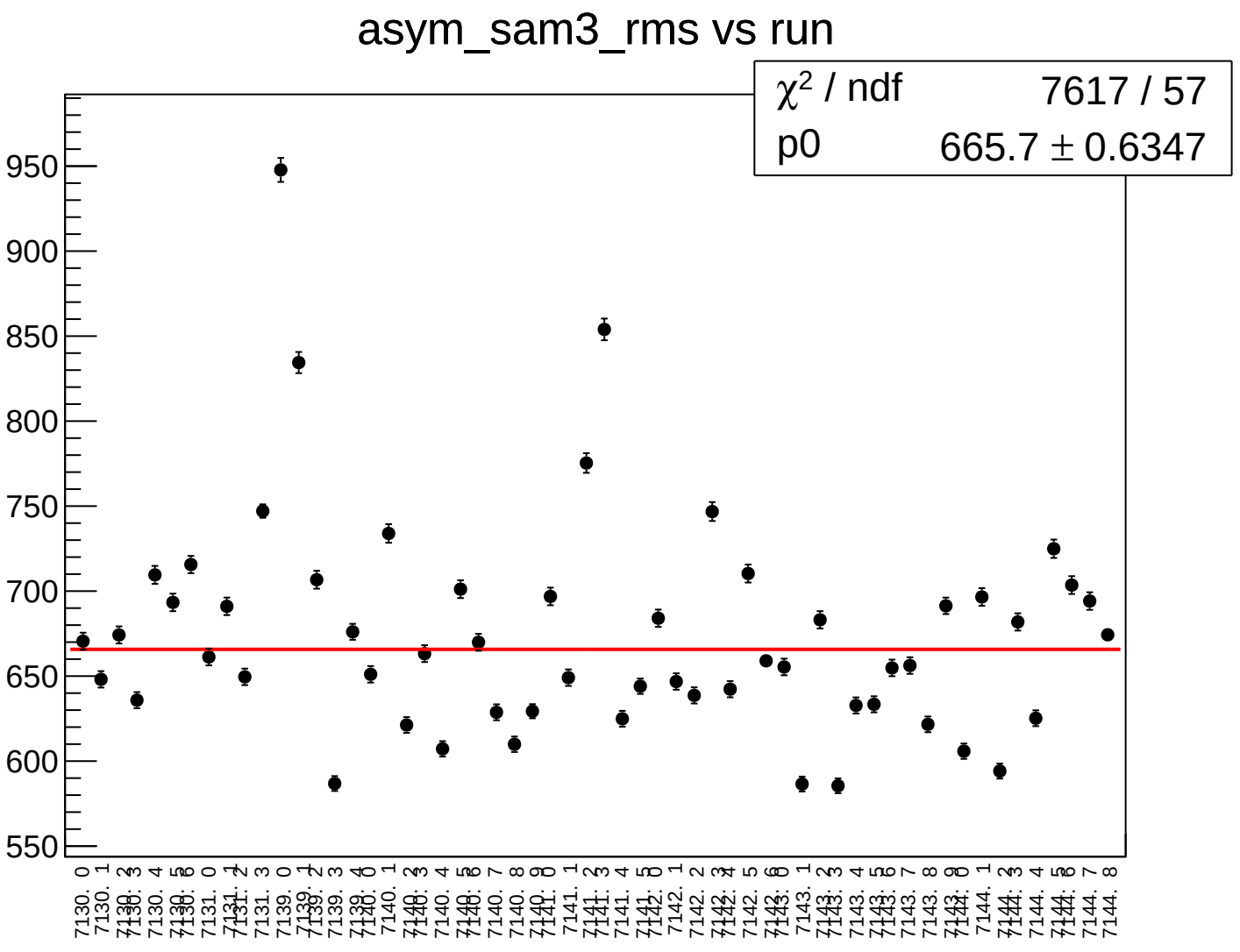

dit_asym_sam3_rms vs run
χ2 / ndf 3.378e+04 / 57
p0 96.75 ± 0.09335
260
240
220
200
180
160
140
120
100
80

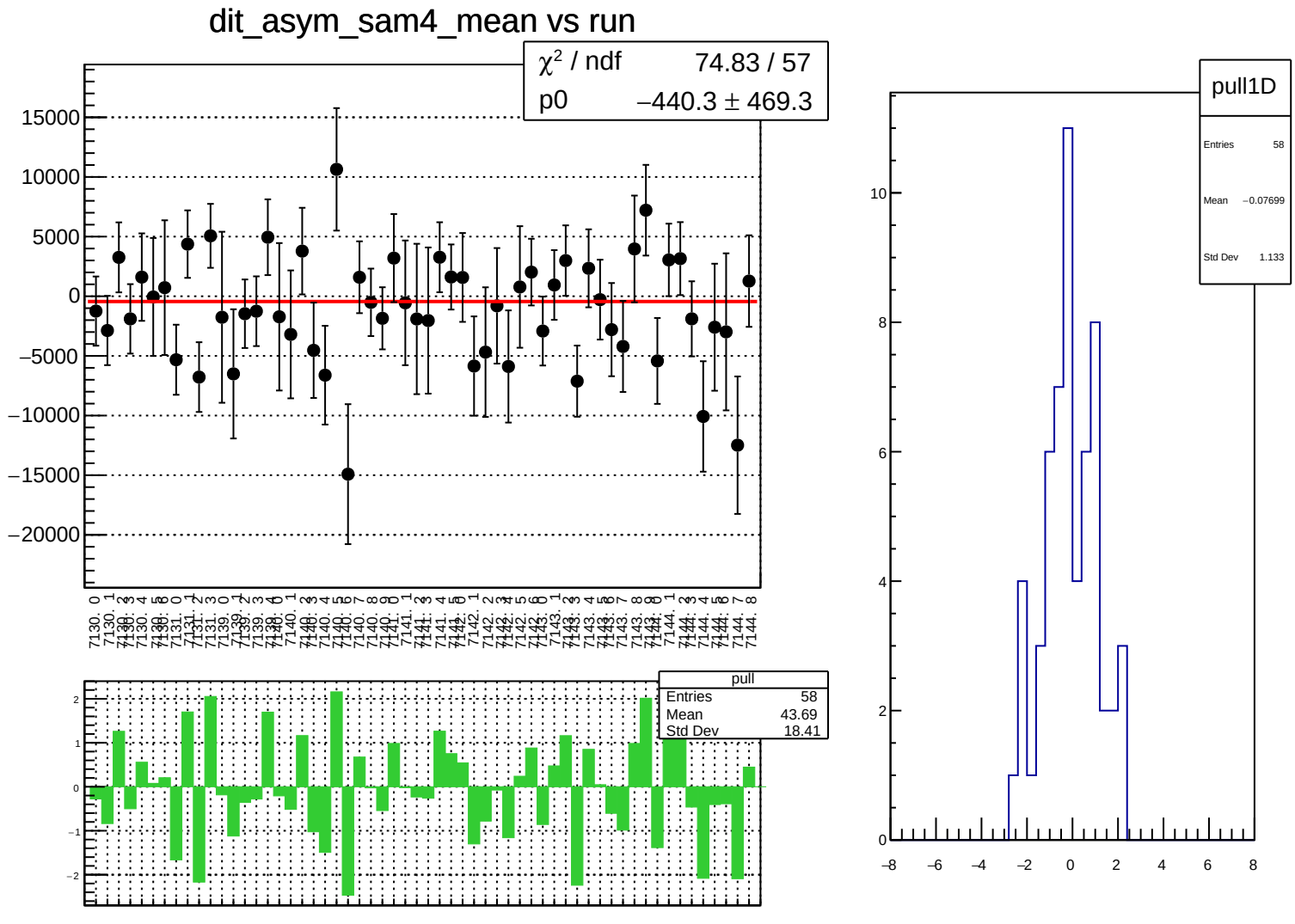

asym_sam3_correction_mean vs run
χ² / ndf 60.01 / 57
p0 1497 ± 899.4
pull
Entries 58
Mean 537.1
Std Dev 506.5

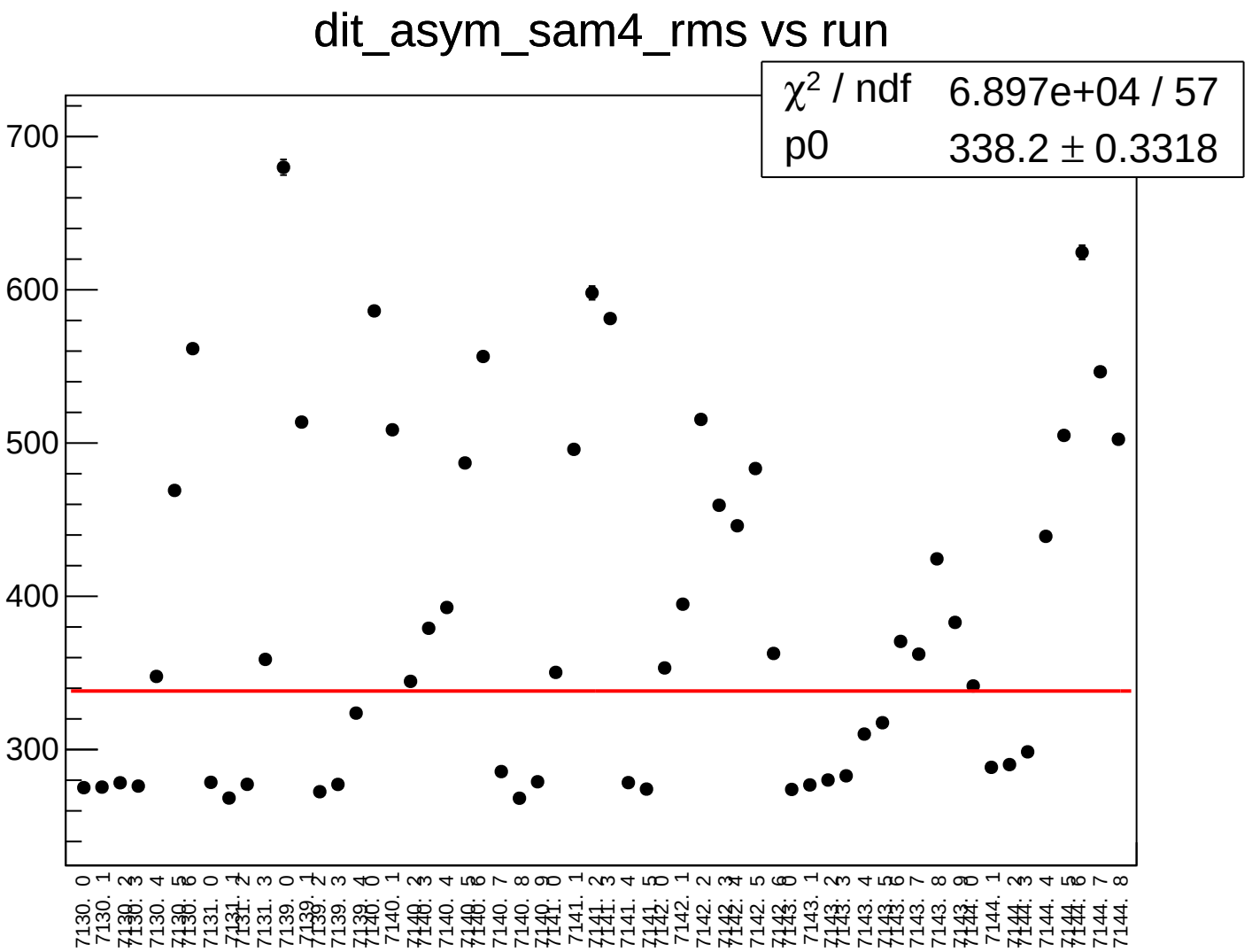

pull1D
Entries 58
Mean −0.01034
Std Dev 1.017

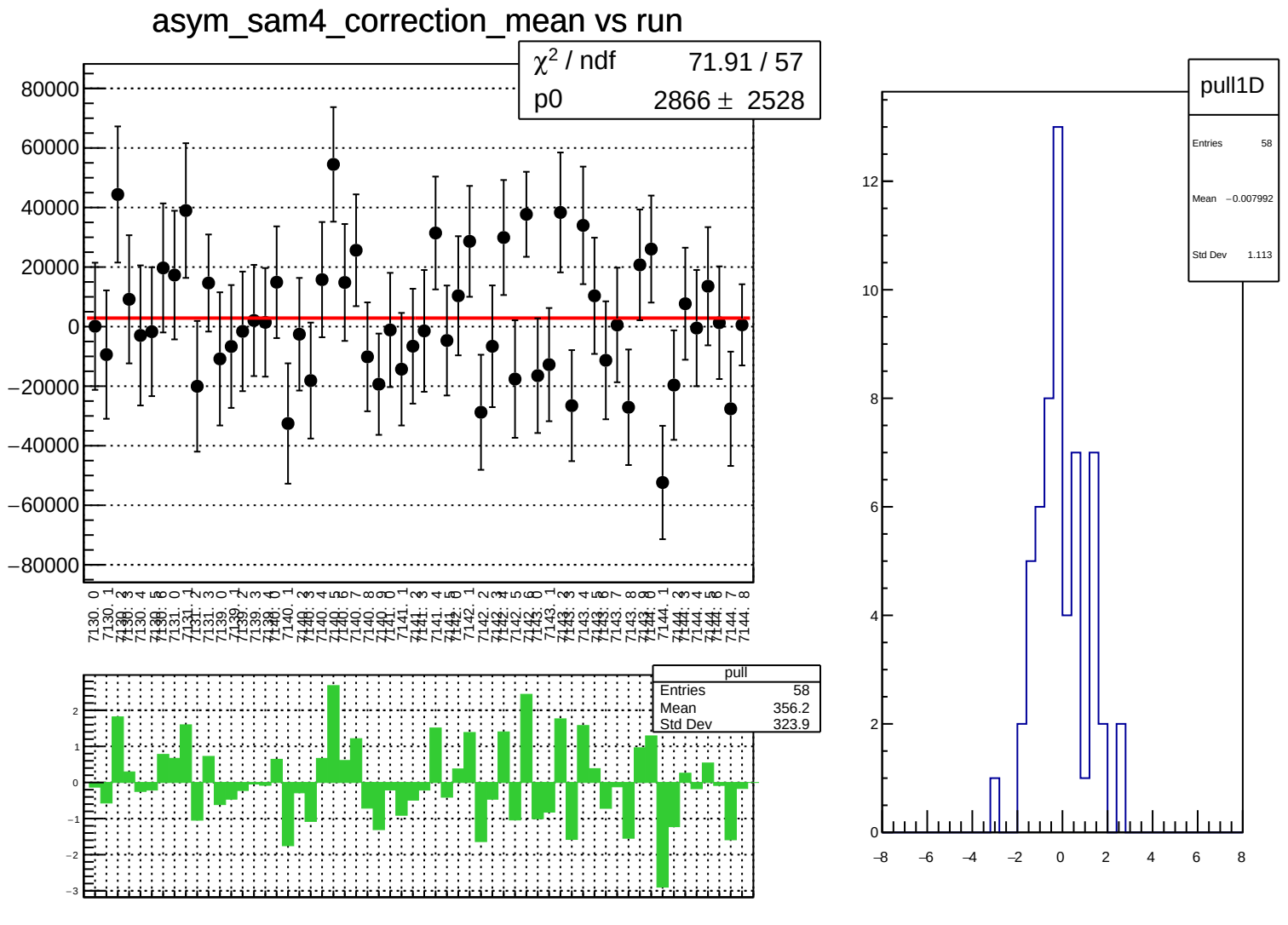

asym_sam3_correction_rms vs run
χ2 / ndf 2209 / 57
p0 668.7 ± 0.636
740
720
700
680
660
640
620
600

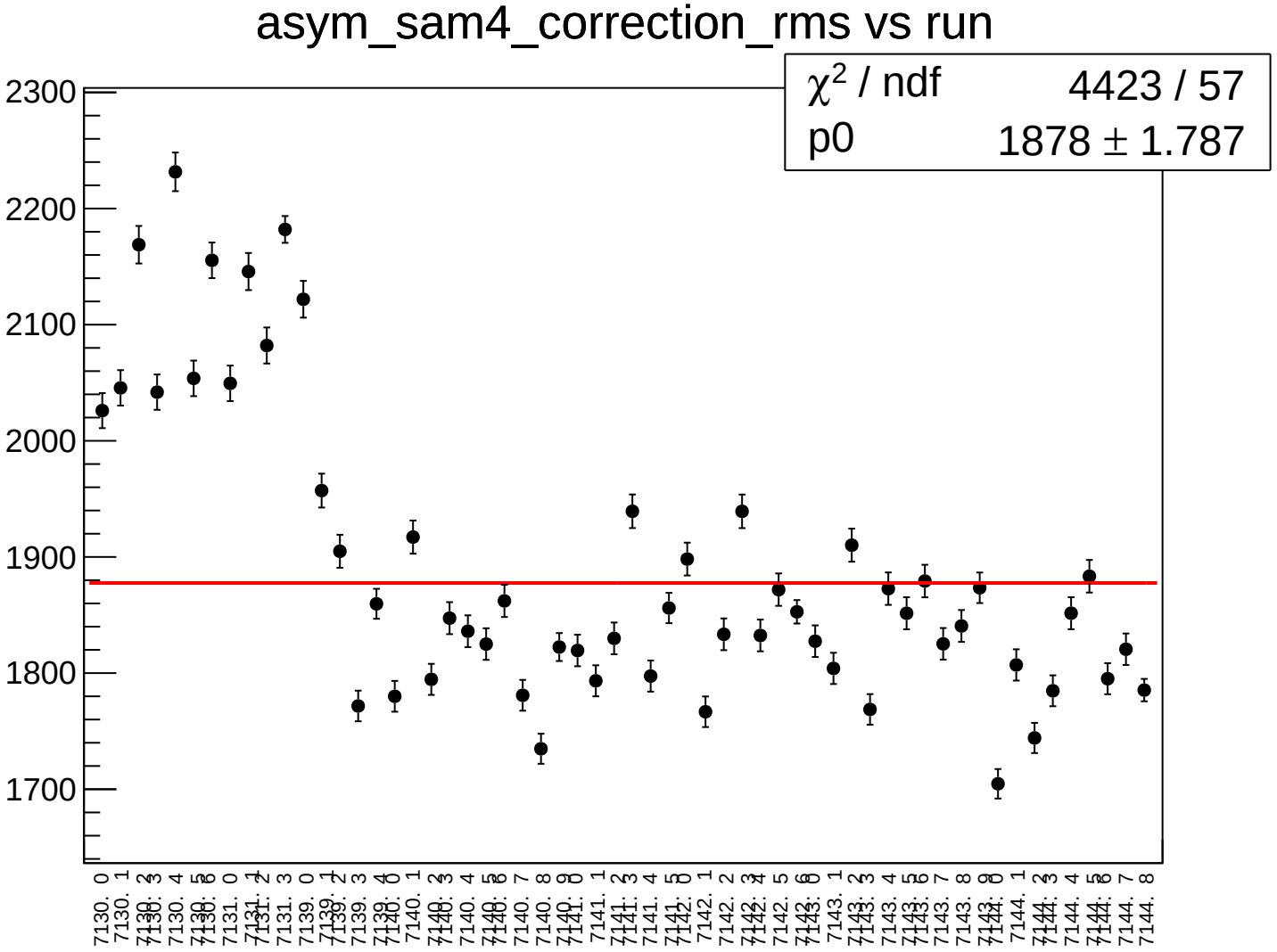

asym_sam3_mean vs run
χ² / ndf 59.09 / 57
p0 −1675 ± 897.6
pull
Entries 58
Mean 413
Std Dev 382.7
pull1D
Entries 58
Mean 0.01347
Std Dev 1.009

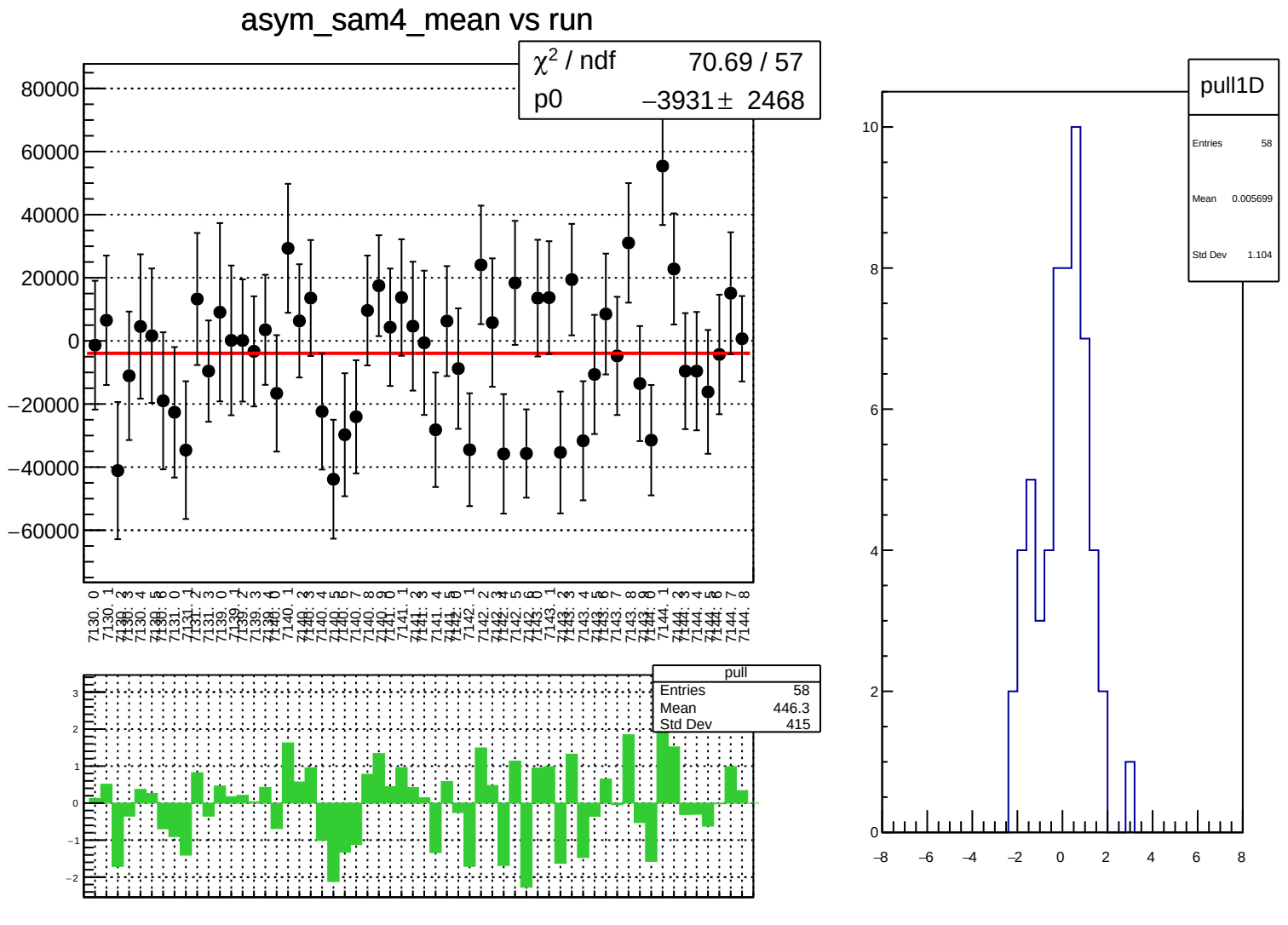

asym_sam3_rms vs run
χ2 / ndf 7617 / 57
p0 665.7 ± 0.6347
950
900
850
800
750
700
650
600
550

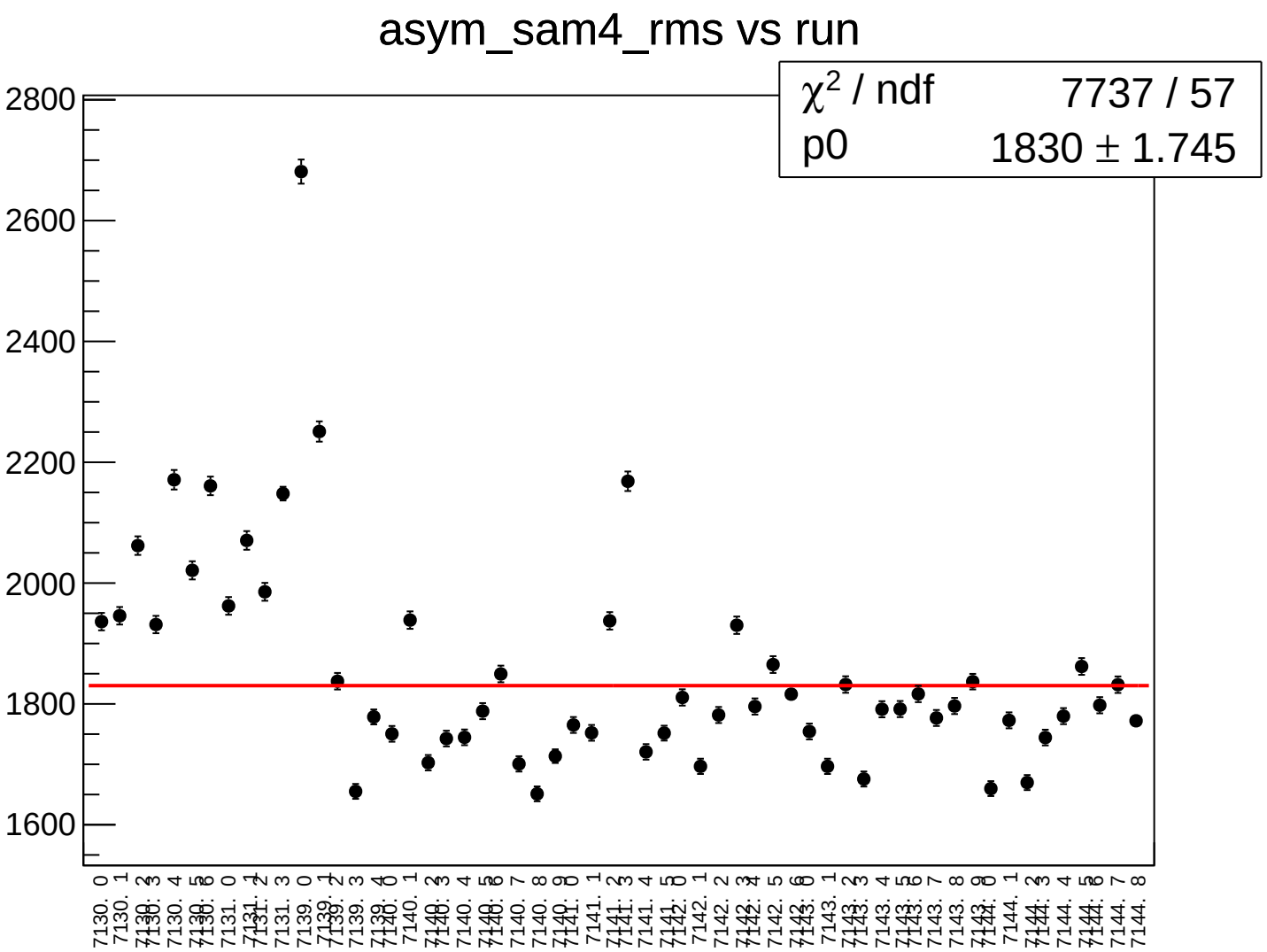

dit_asym_sam4_mean vs run
χ² / ndf 74.83 / 57
p0 −440.3 ± 469.3
pull
Entries 58
Mean 43.69
Std Dev 18.41
pull1D
Entries 58
Mean −0.07699
Std Dev 1.133

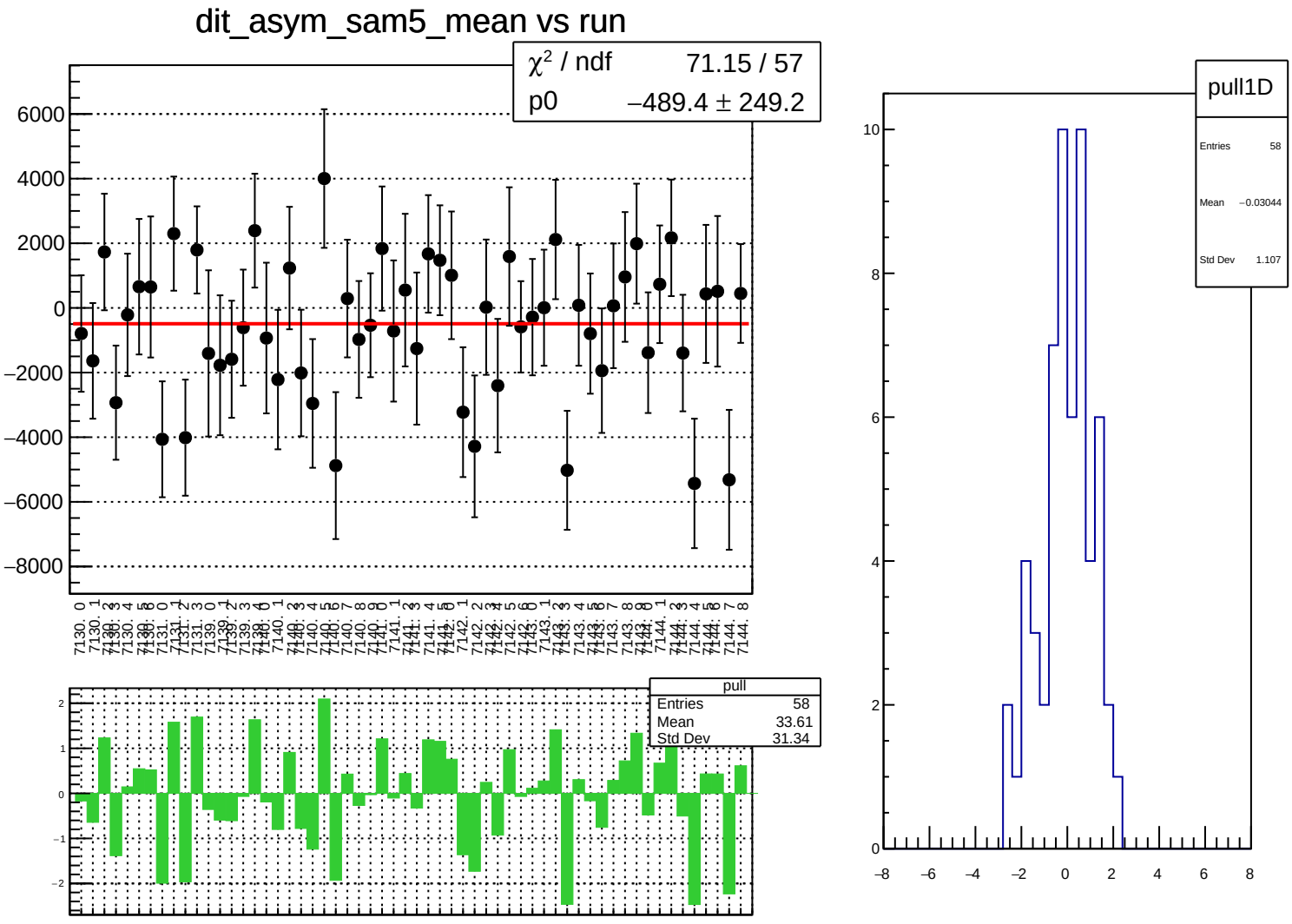

dit_asym_sam4_rms vs run
χ2 / ndf 6.897e+04 / 57
p0 338.2 ± 0.3318
700
600
500
400
300
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

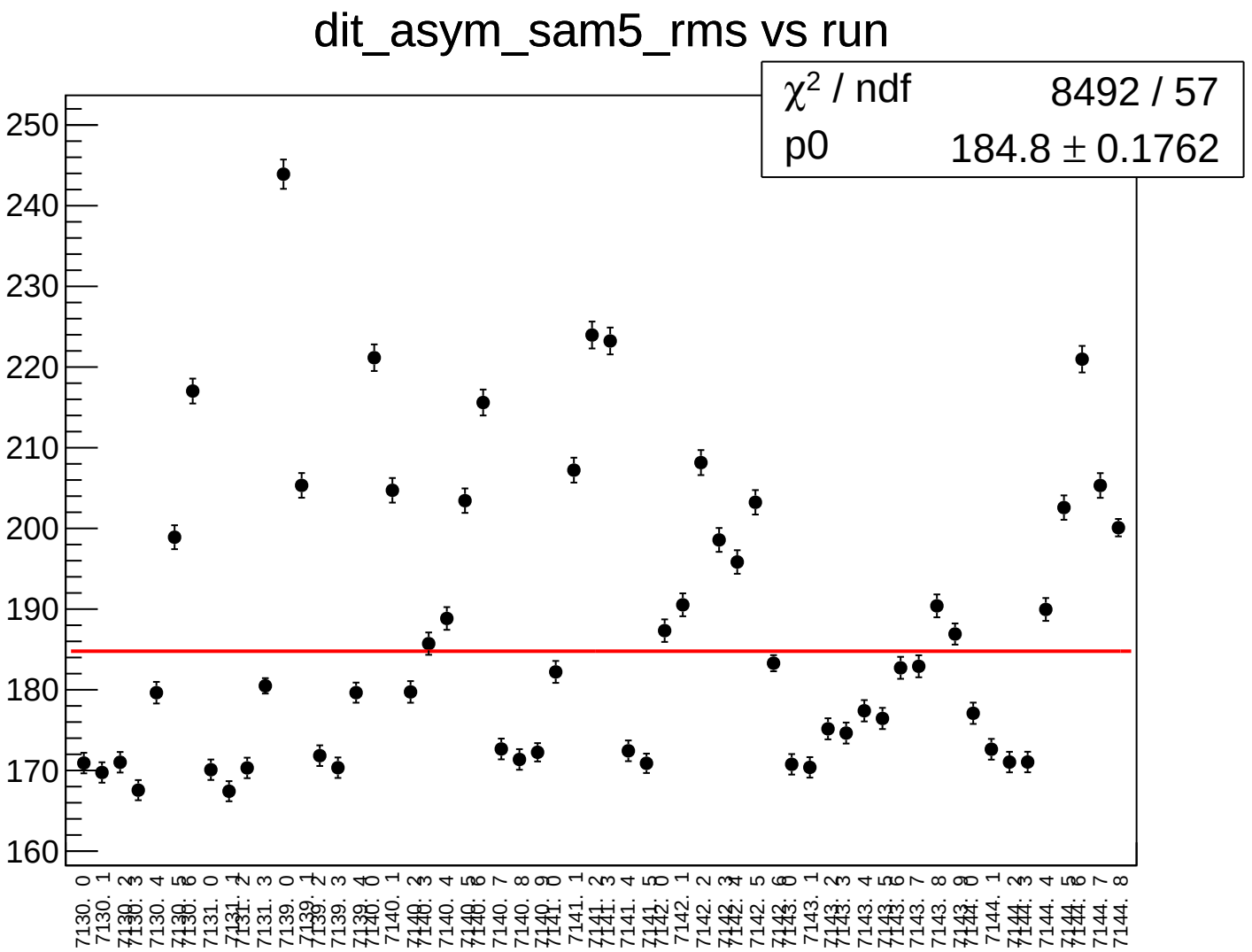

asym_sam4_correction_mean vs run
χ² / ndf 71.91 / 57
p0 2866 ± 2528
pull
Entries 58
Mean 356.2
Std Dev 323.9
pull1D
Entries 58
Mean −0.007992
Std Dev 1.113

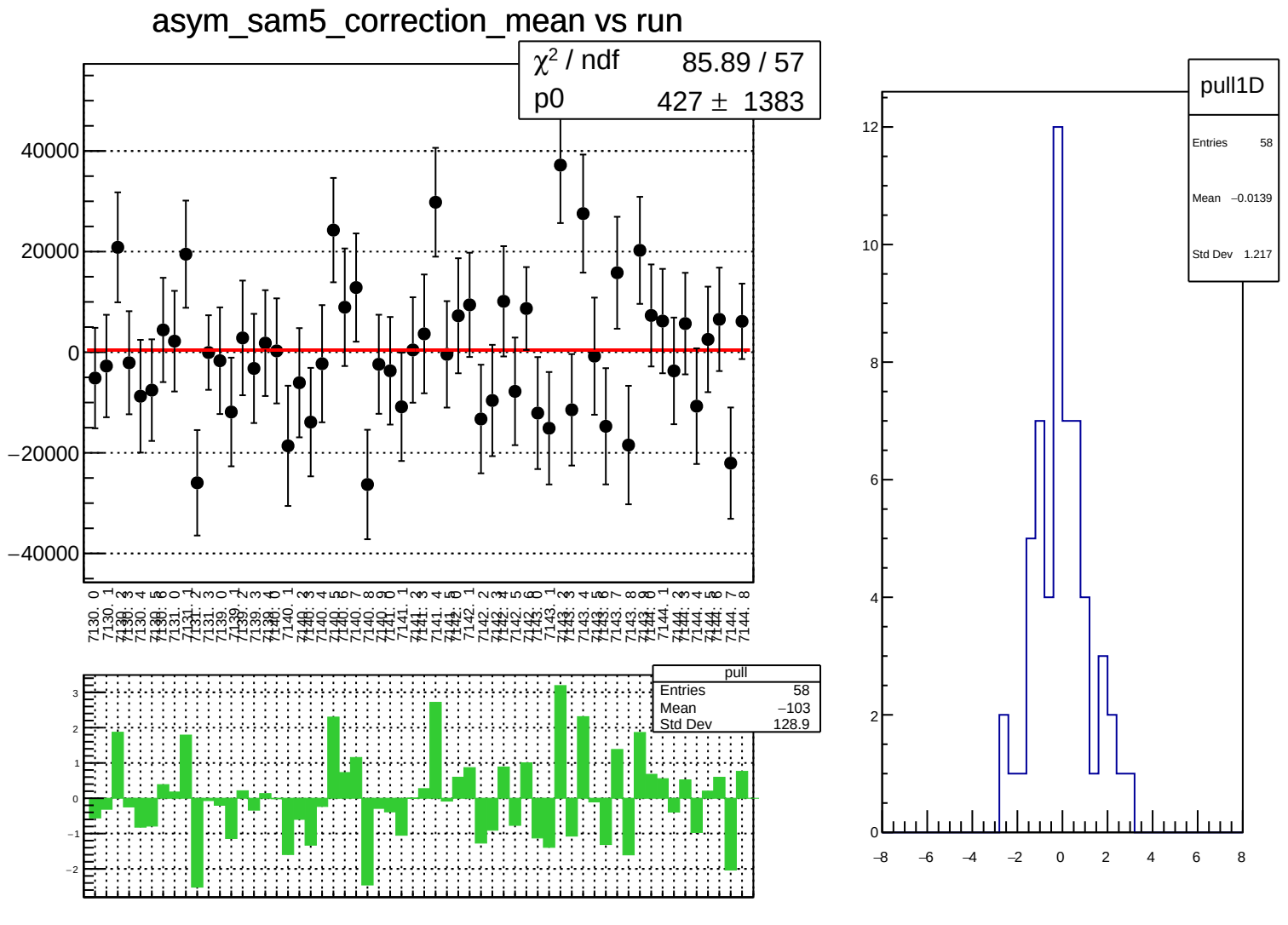

asym_sam4_correction_rms vs run
χ2 / ndf 4423 / 57
p0 1878 ± 1.787
2300
2200
2100
2000
1900
1800
1700

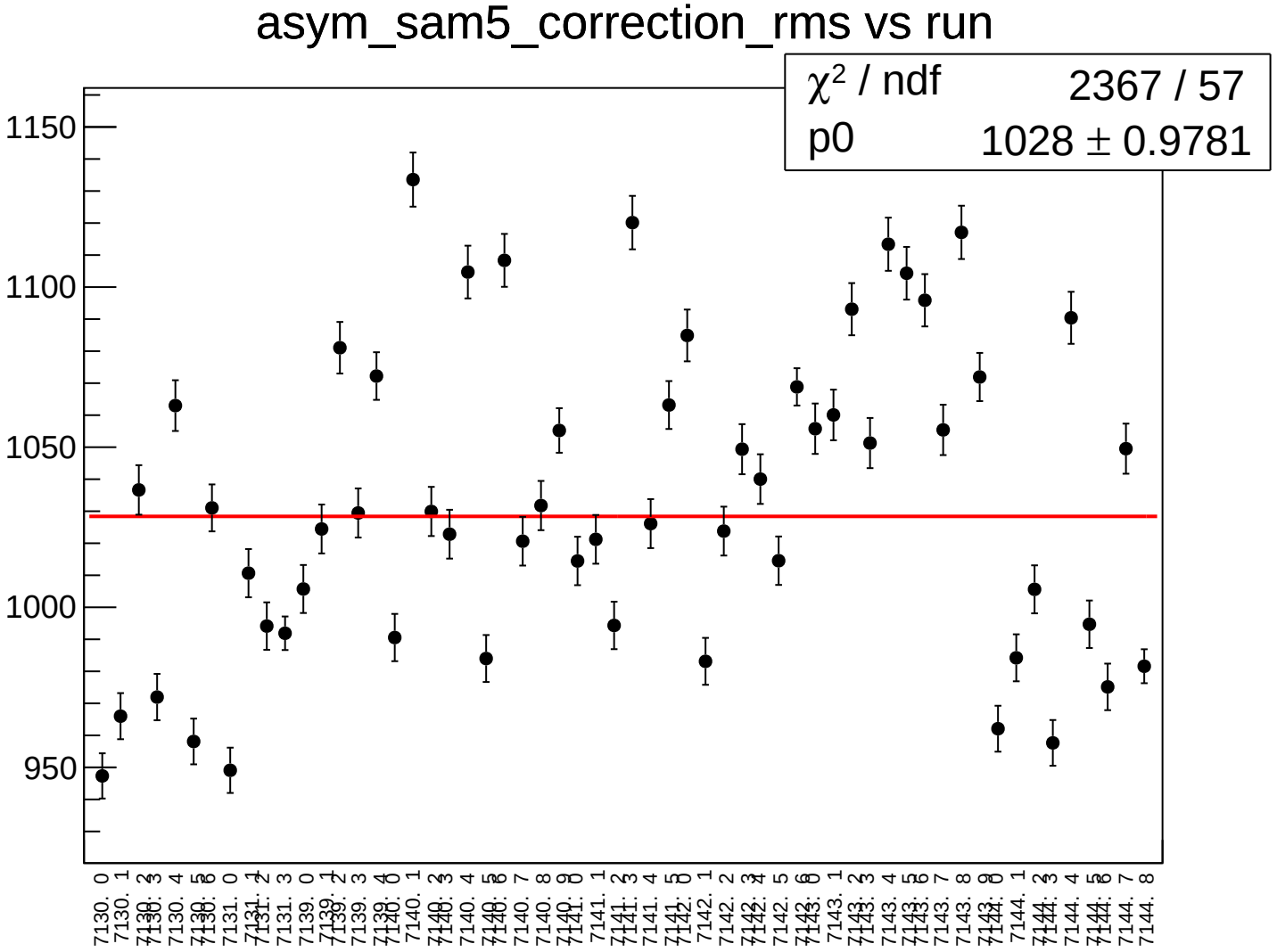

asym_sam4_mean vs run
χ² / ndf 70.69 / 57
p0 −3931 ± 2468
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 446.3
Std Dev 415
pull1D
Entries 58
Mean 0.005699
Std Dev 1.104

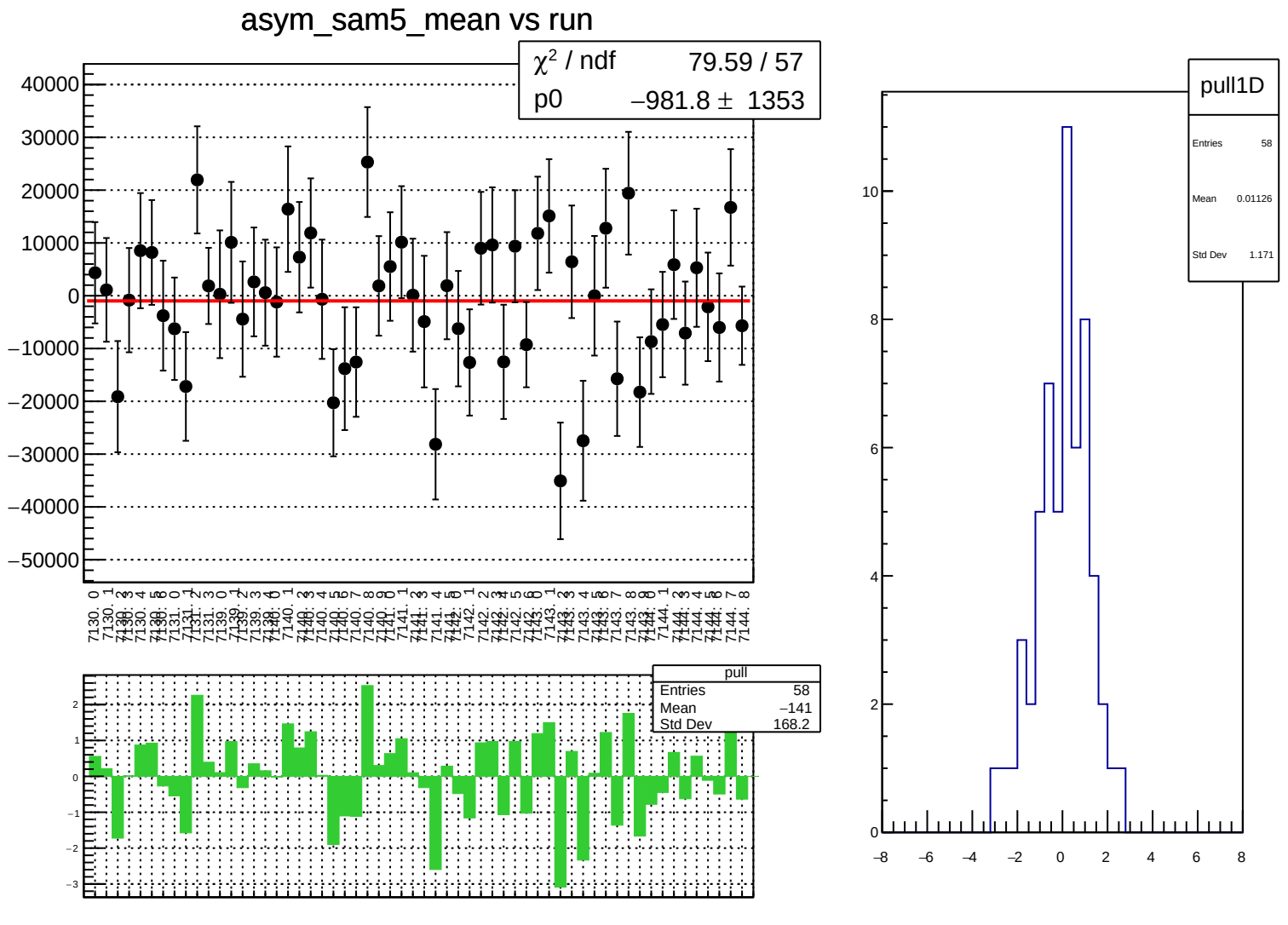

asym_sam4_rms vs run
χ² / ndf 7737 / 57
p0 1830 ± 1.745
2800
2600
2400
2200
2000
1800
1600

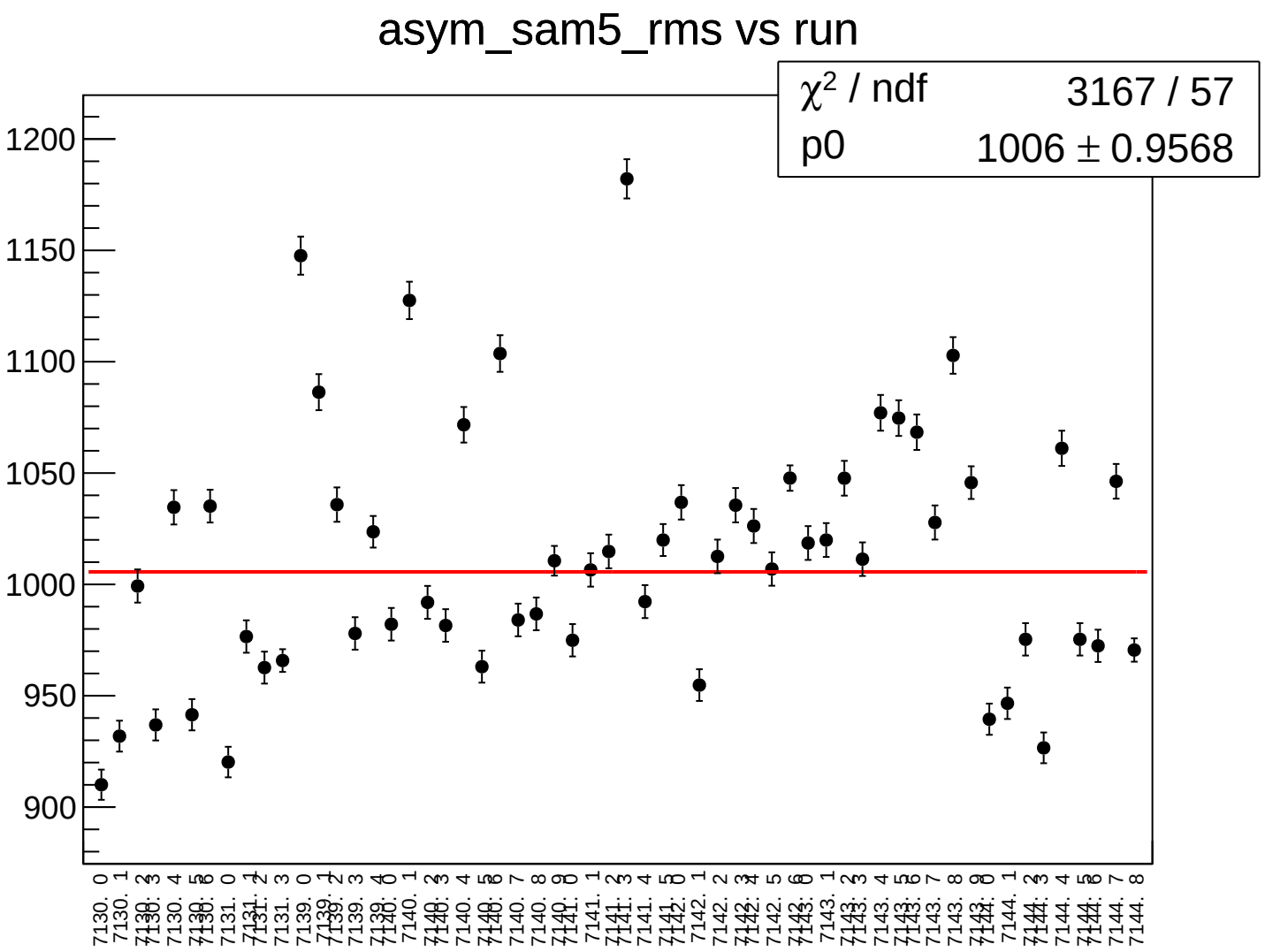

dit_asym_sam5_mean vs run
χ² / ndf 71.15 / 57
p0 −489.4 ± 249.2
pull
Entries 58
Mean 33.61
Std Dev 31.34
pull1D
Entries 58
Mean −0.03044
Std Dev 1.107

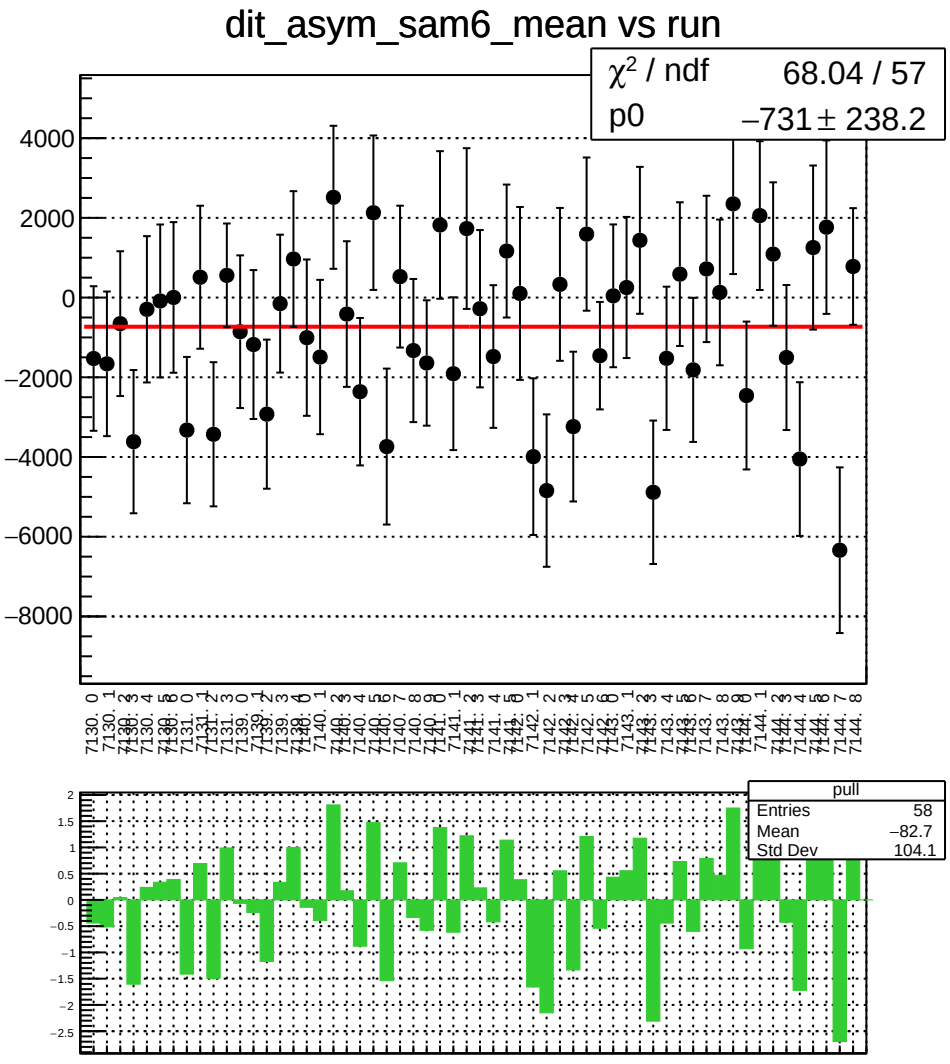

dit_asym_sam5_rms vs run
χ² / ndf 8492 / 57
p0 184.8 ± 0.1762
250
240
230
220
210
200
190
180
170
160

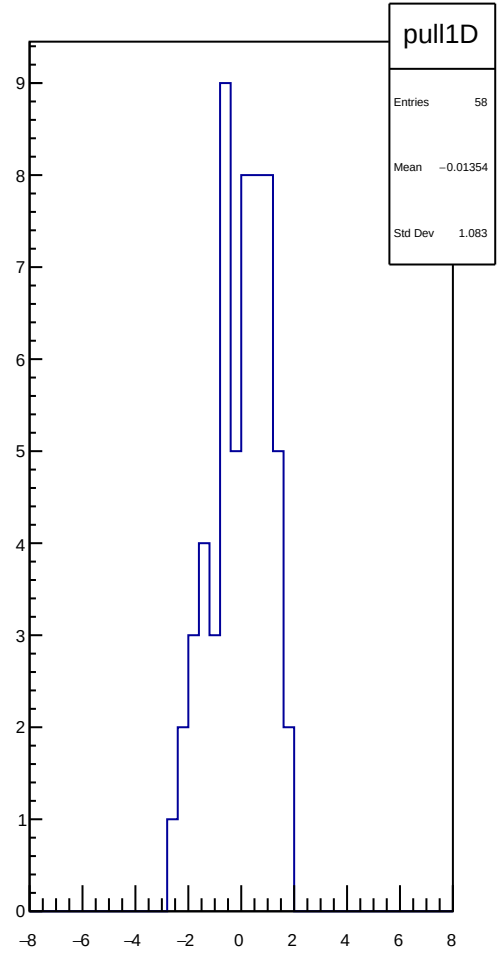

asym_sam5_correction_mean vs run
χ² / ndf 85.89 / 57
p0 427 ± 1383
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −103
Std Dev 128.9
pull1D
Entries 58
Mean −0.0139
Std Dev 1.217

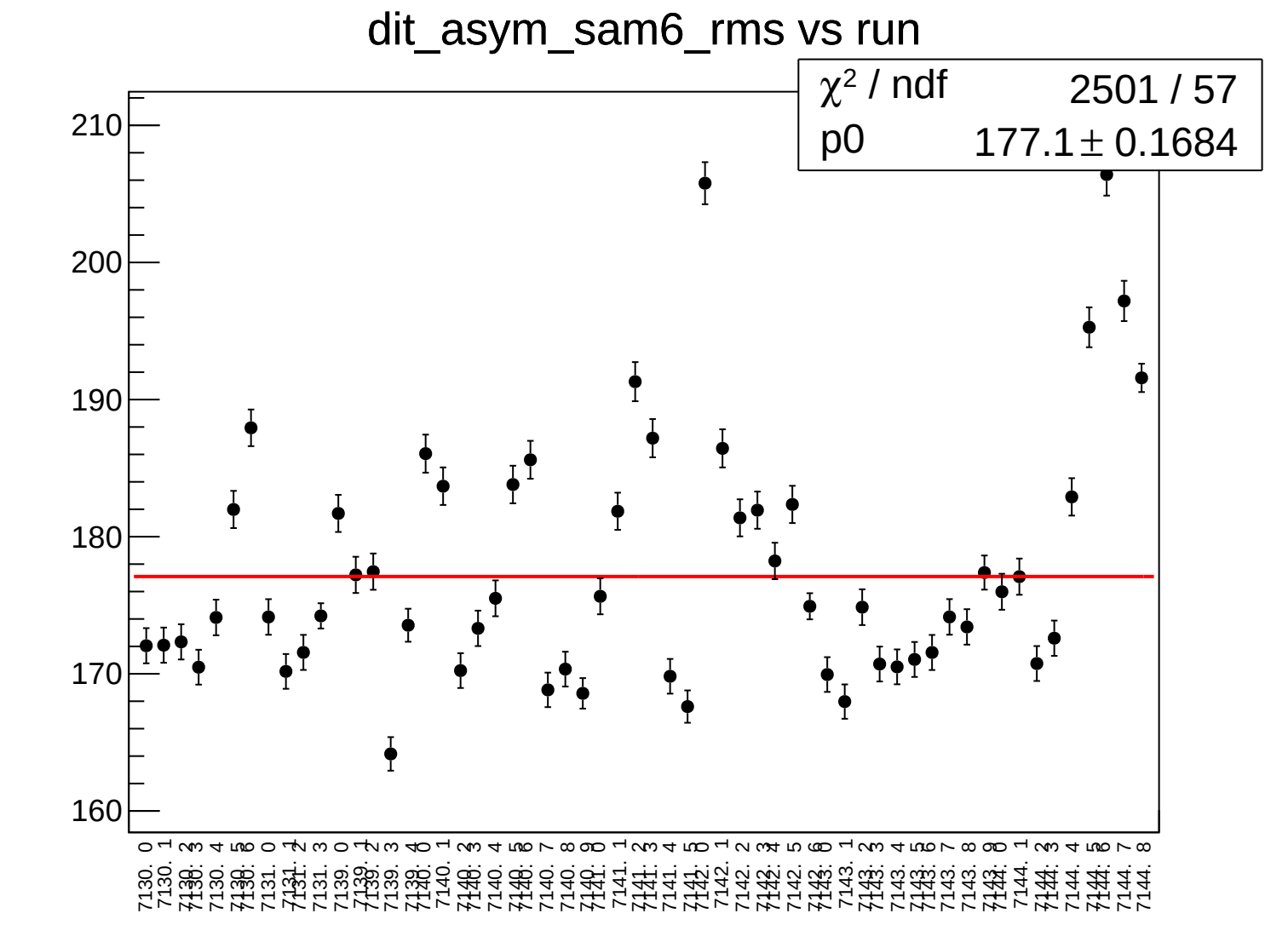

asym_sam5_correction_rms vs run
χ² / ndf 2367 / 57
p0 1028 ± 0.9781
1150
1100
1050
1000
950

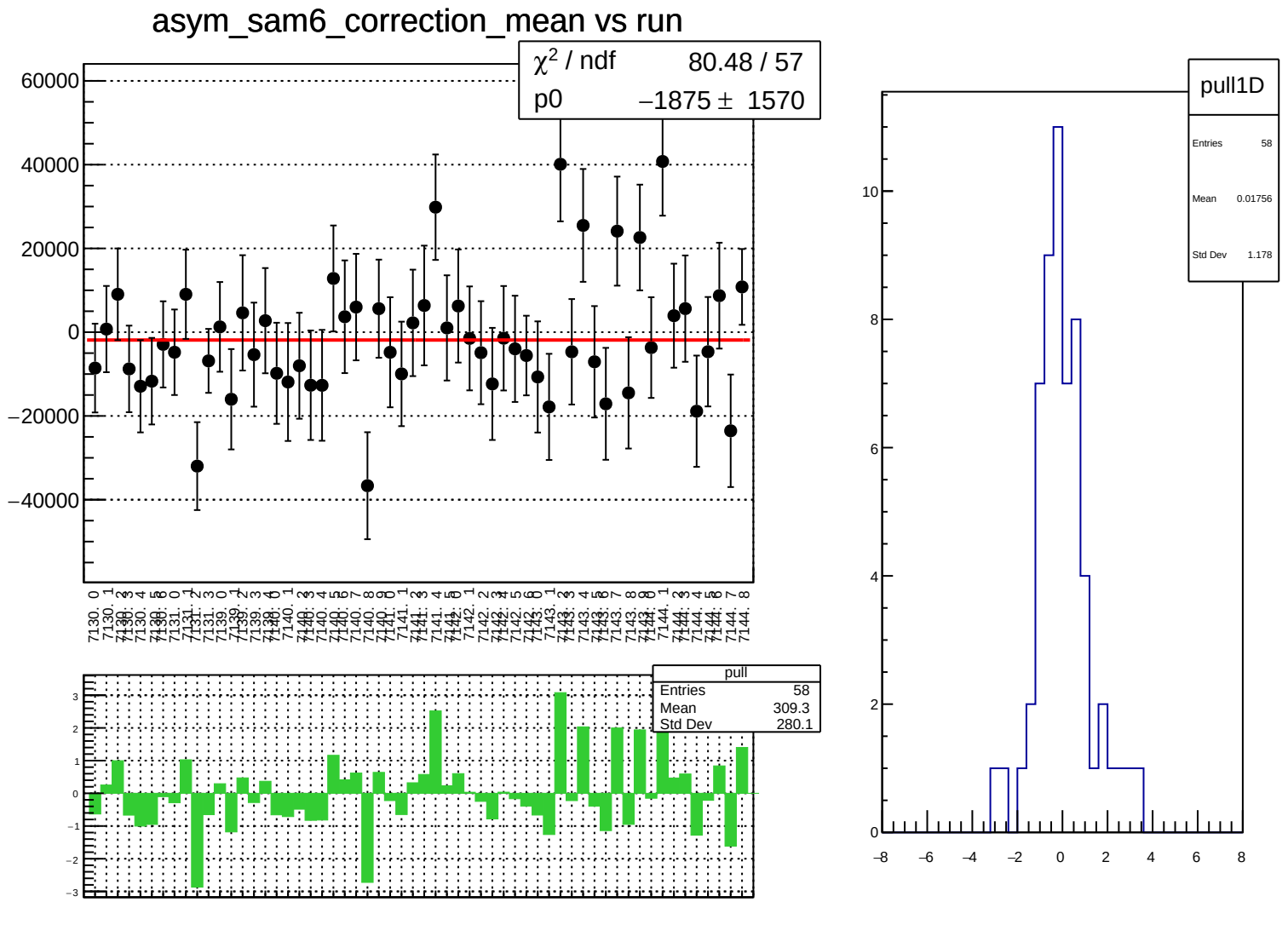

asym_sam5_mean vs run
χ² / ndf 79.59 / 57
p0 −981.8 ± 1353
pull
Entries 58
Mean −141
Std Dev 168.2
pull1D
Entries 58
Mean 0.01126
Std Dev 1.171

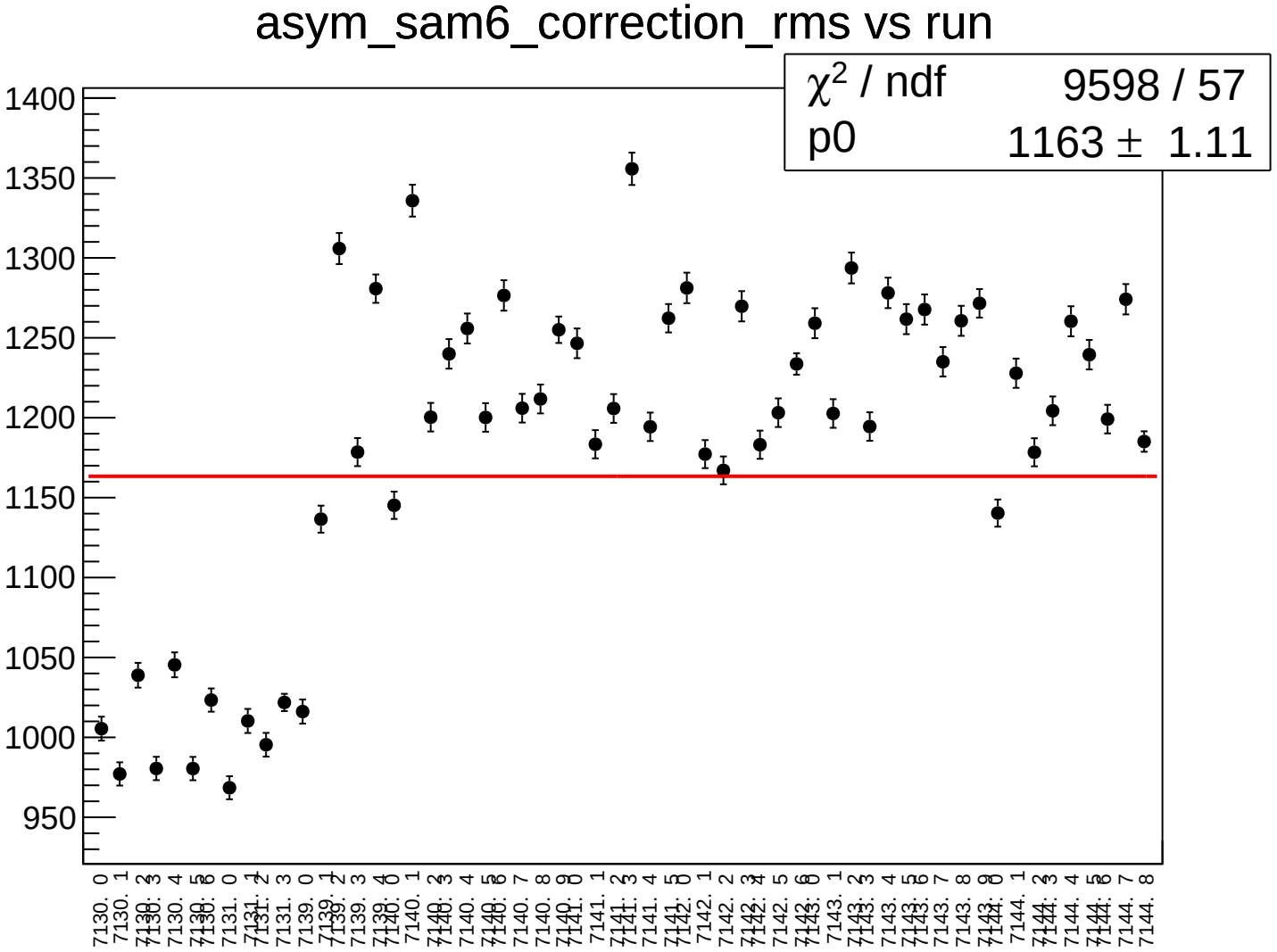

asym_sam5_rms vs run
χ² / ndf 3167 / 57
p0 1006 ± 0.9568
1200
1150
1100
1050
1000
950
900

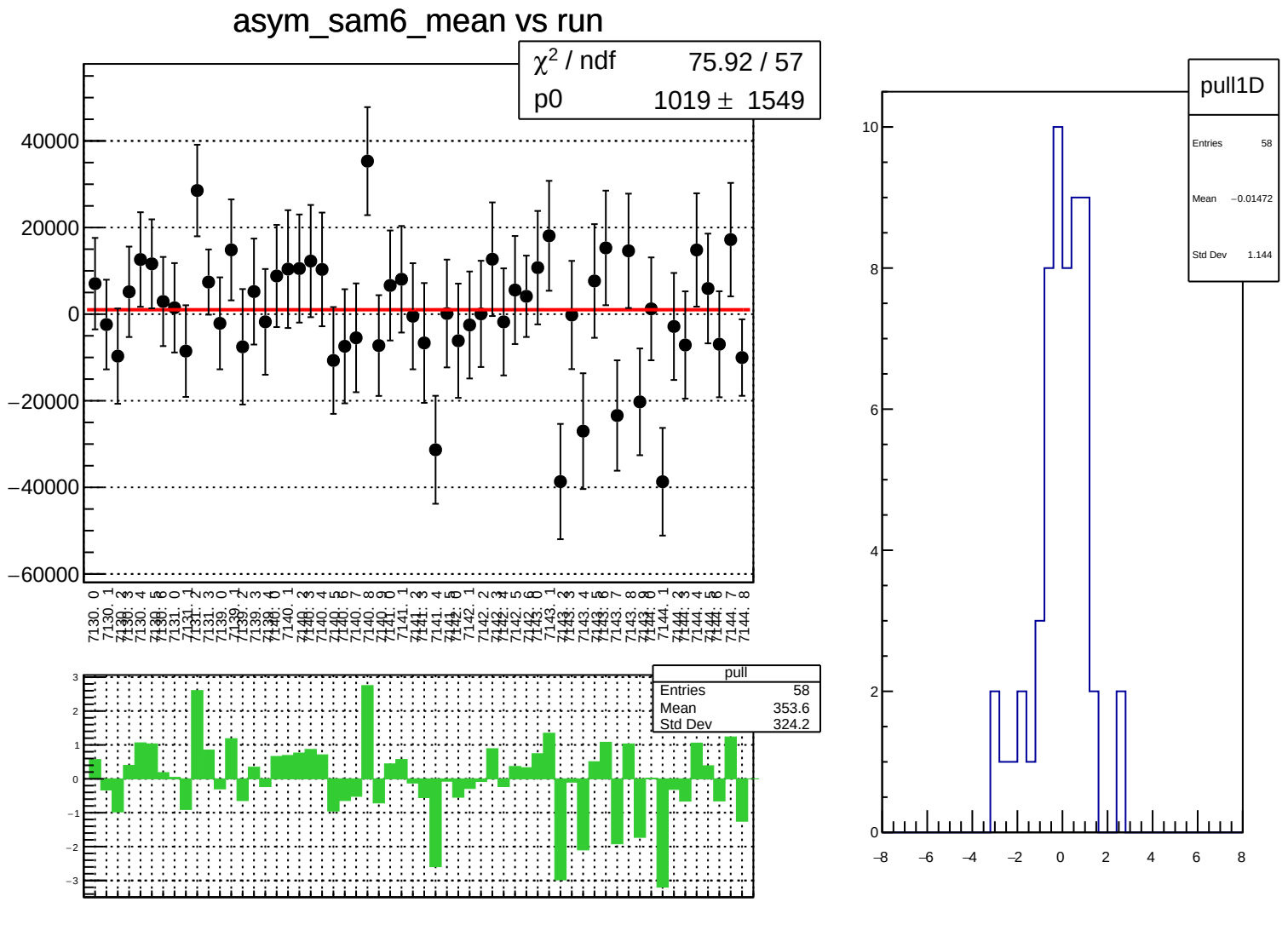

dit_asym_sam6_mean vs run
χ^2 / ndf 68.04 / 57
p0 −731 ± 238.2
pull
Entries 58
Mean −82.7
Std Dev 104.1

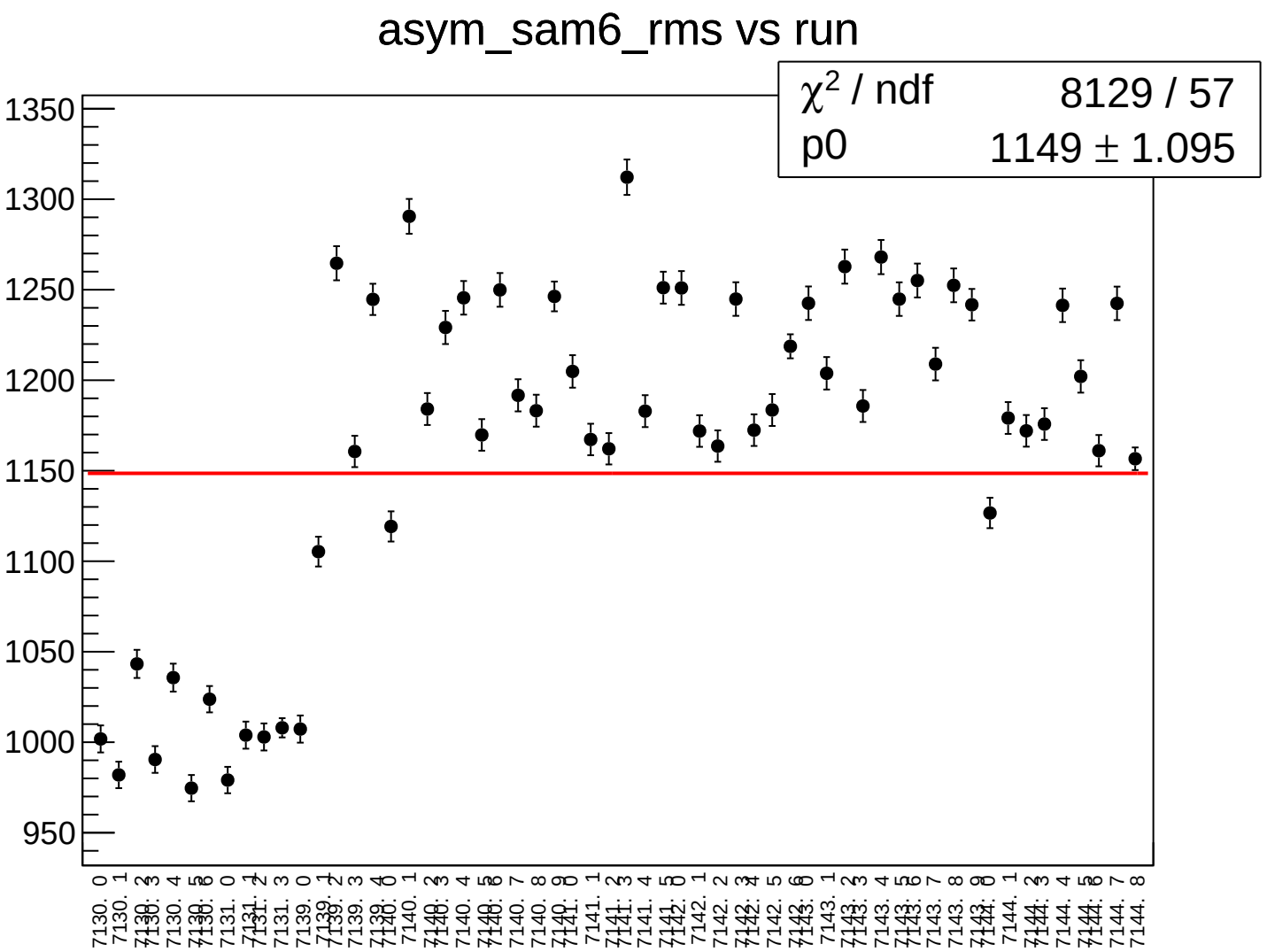

pull1D
Entries 58
Mean −0.01354
Std Dev 1.083

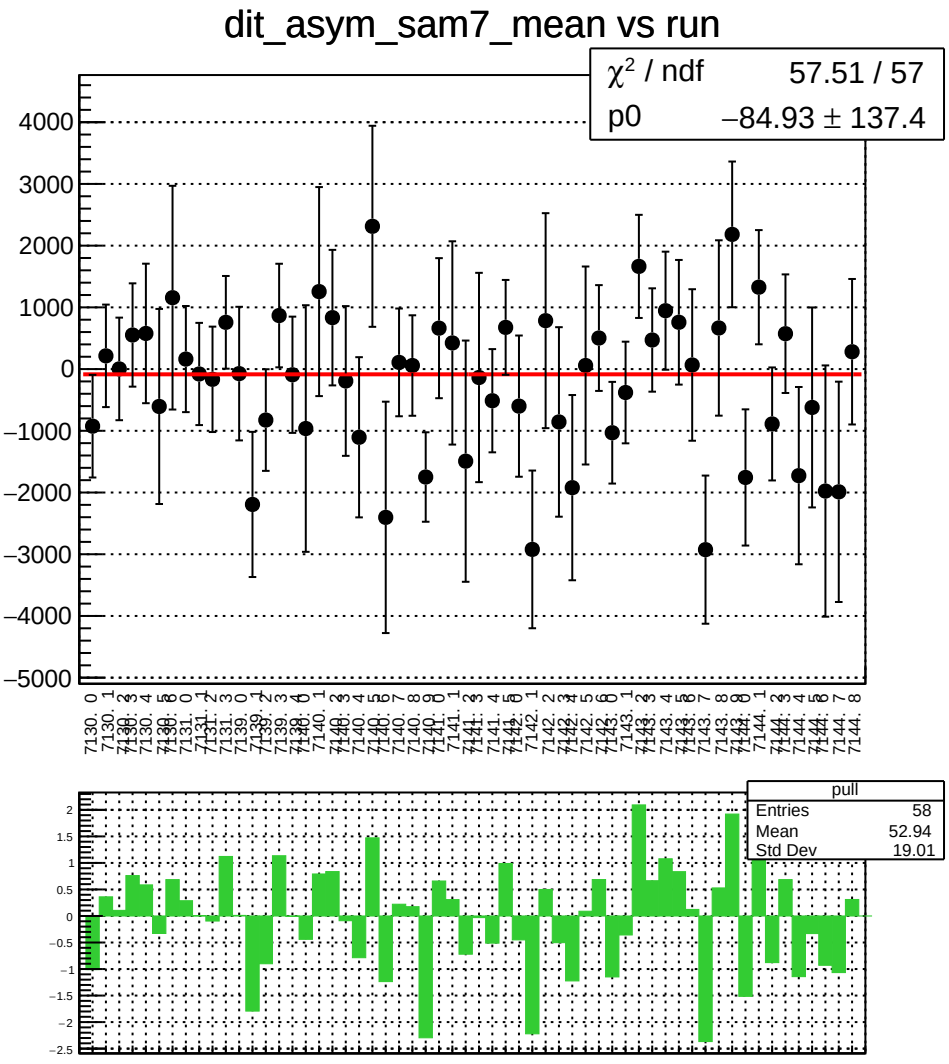

dit_asym_sam6_rms vs run
χ² / ndf 2501 / 57
p0 177.1 ± 0.1684
210
200
190
180
170
160

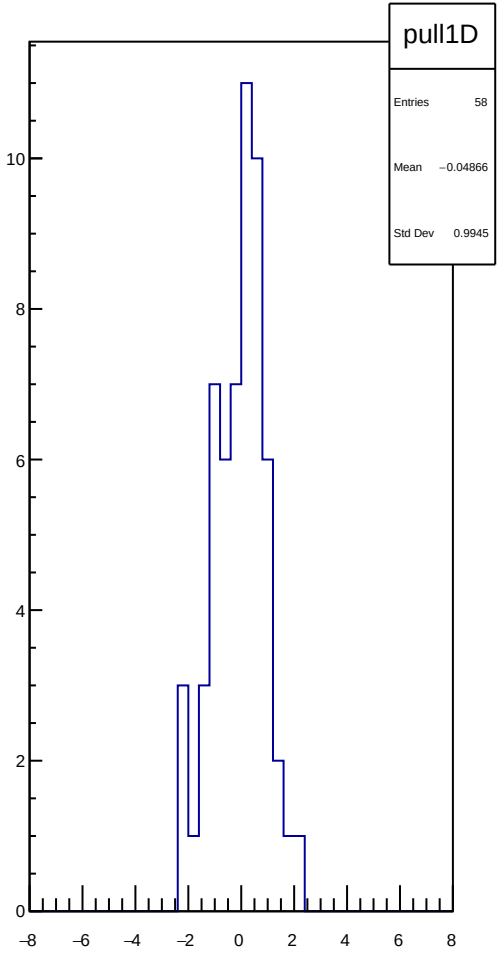

asym_sam6_correction_mean vs run
χ² / ndf 80.48 / 57
p0 −1875 ± 1570
pull
Entries 58
Mean 309.3
Std Dev 280.1
pull1D
Entries 58
Mean 0.01756
Std Dev 1.178

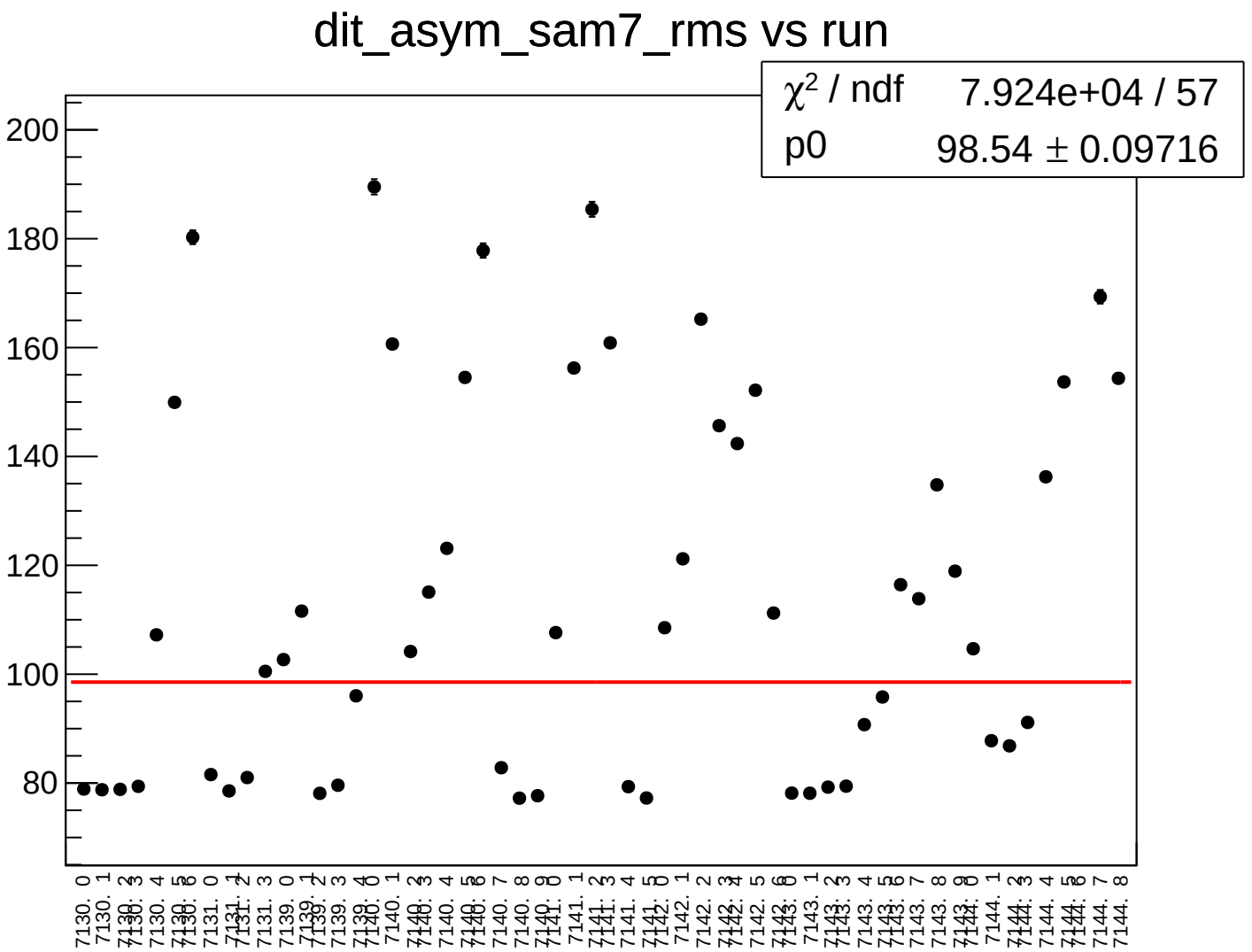

asym_sam6_correction_rms vs run
χ2 / ndf 9598 / 57
p0 1163 ± 1.11
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

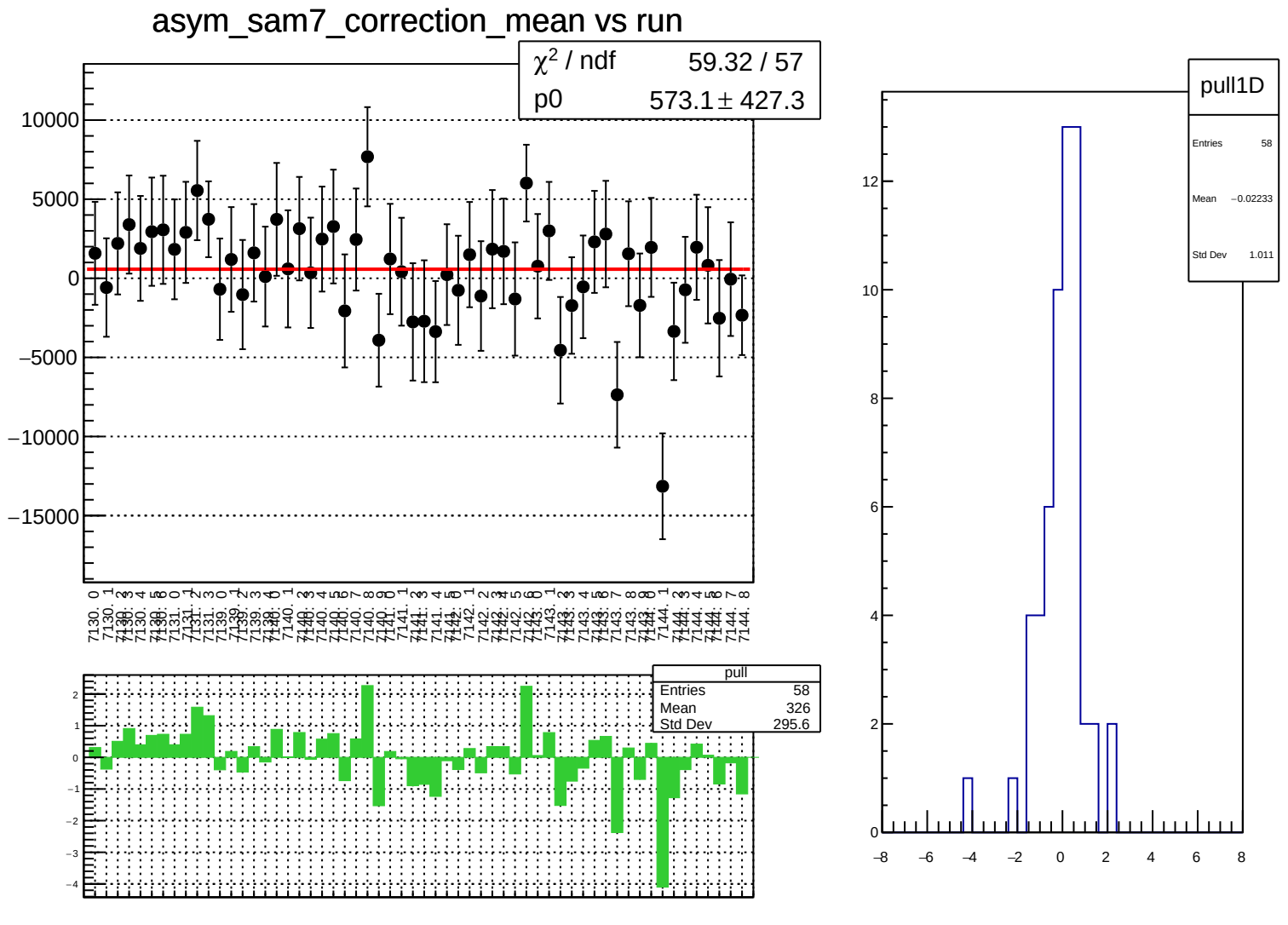

asym_sam6_mean vs run
χ² / ndf 75.92 / 57
p0 1019 ± 1549
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 353.6
Std Dev 324.2
pull1D
Entries 58
Mean −0.01472
Std Dev 1.144

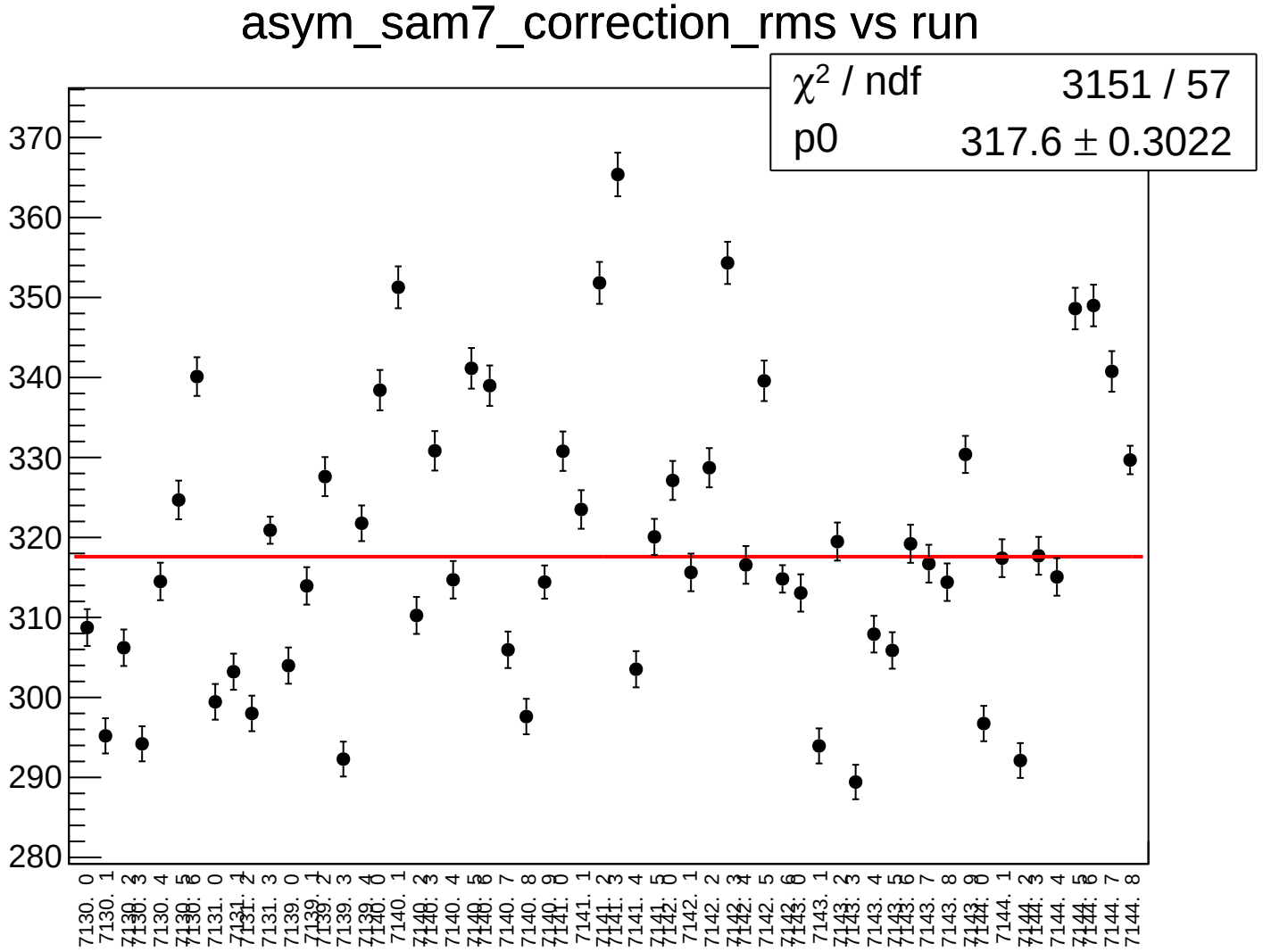

asym_sam6_rms vs run
χ² / ndf 8129 / 57
p0 1149 ± 1.095
1350
1300
1250
1200
1150
1100
1050
1000
950

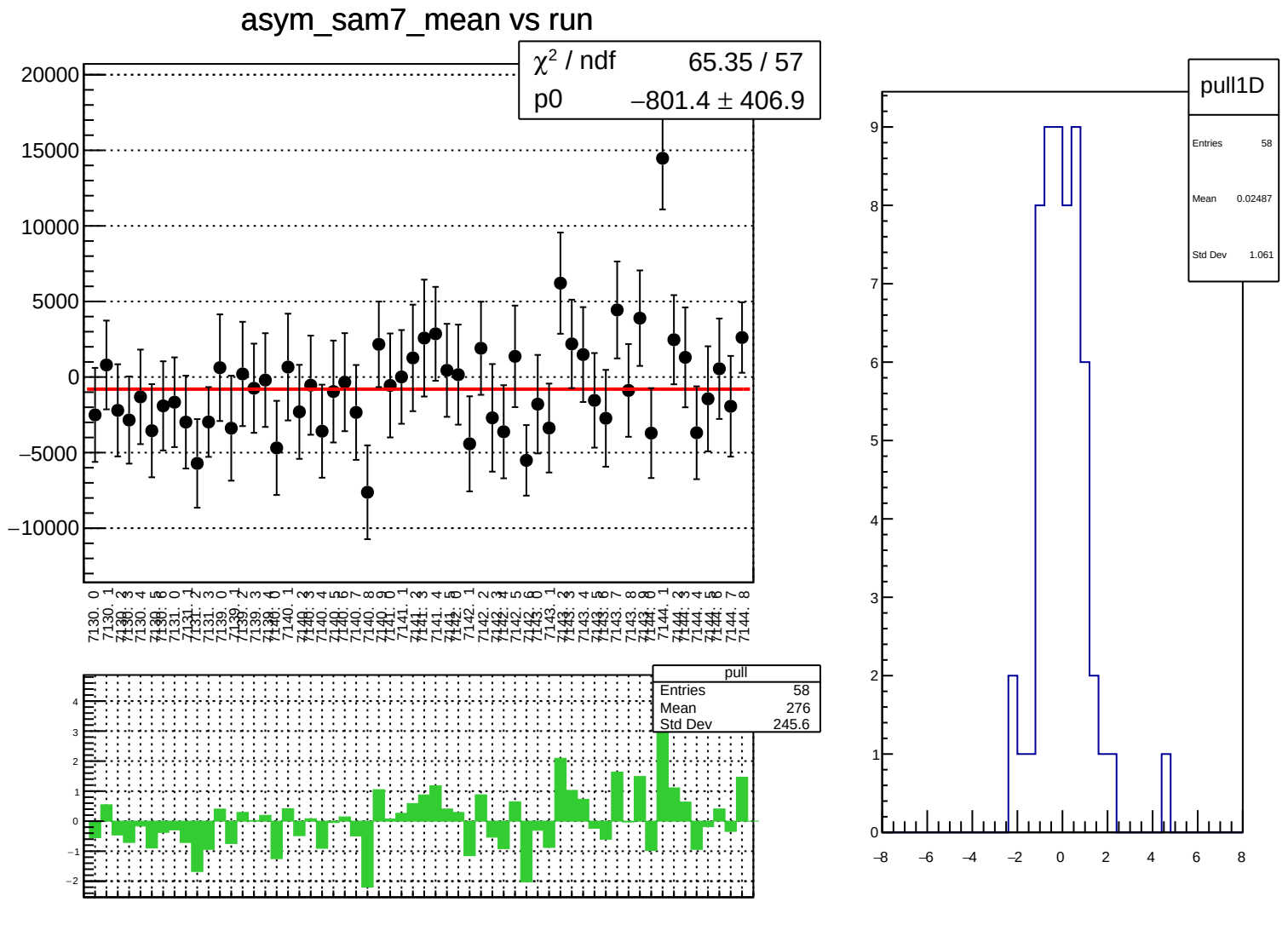

dit_asym_sam7_mean vs run
χ² / ndf 57.51 / 57
p0 −84.93 ± 137.4
pull
Entries 58
Mean 52.94
Std Dev 19.01

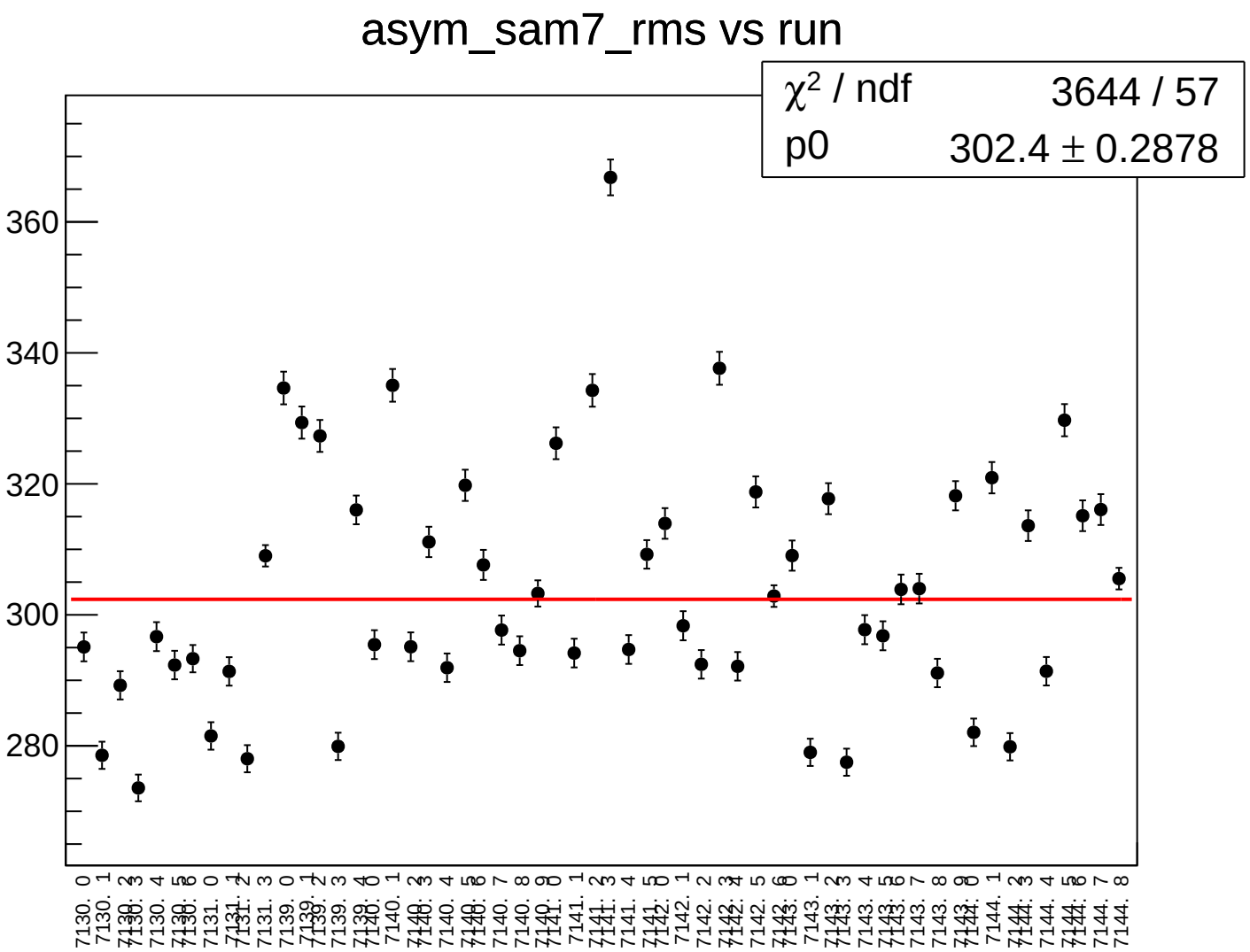

pull1D
Entries 58
Mean −0.04866
Std Dev 0.9945

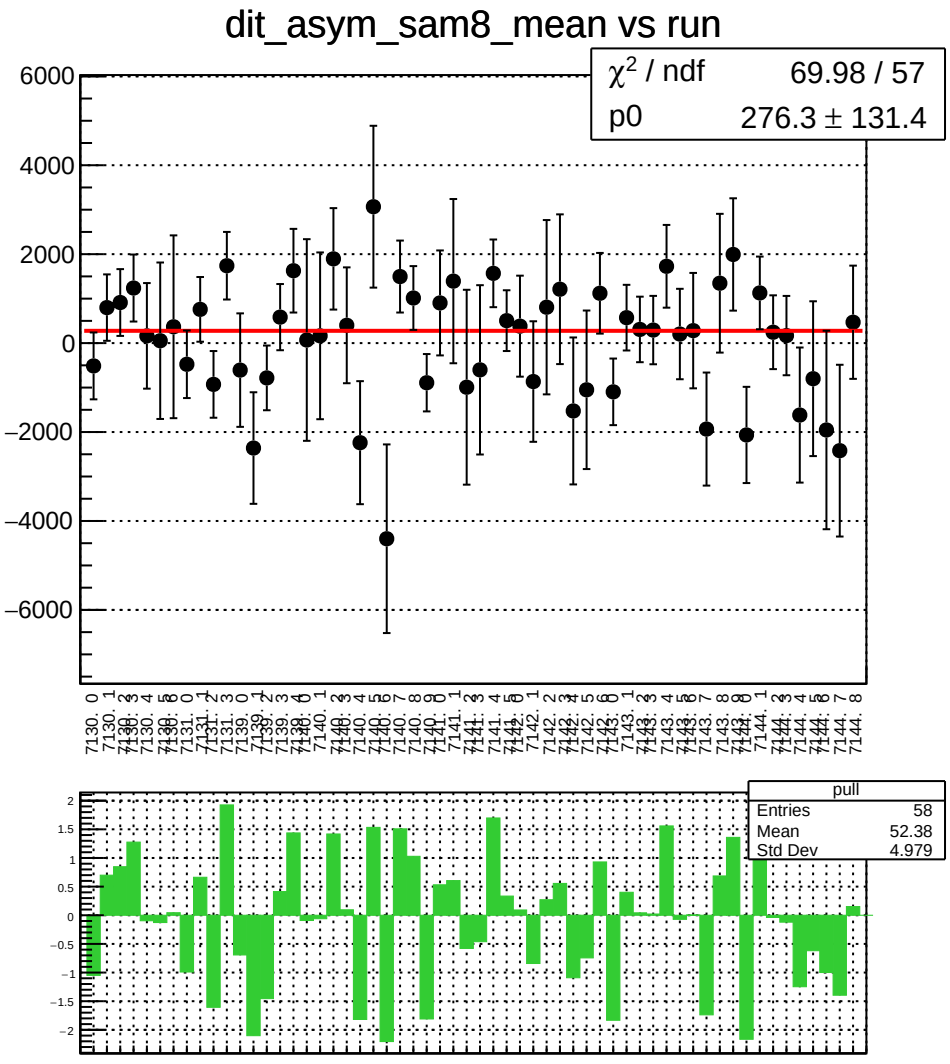

dit_asym_sam7_rms vs run
χ2 / ndf 7.924e+04 / 57
p0 98.54 ± 0.09716
200
180
160
140
120
100
80

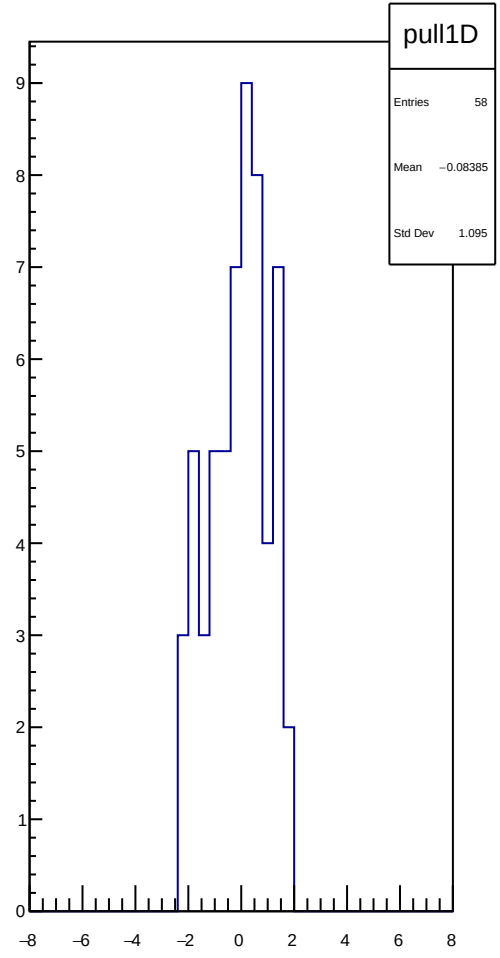

asym_sam7_correction_mean vs run
χ² / ndf 59.32 / 57
p0 573.1 ± 427.3
pull
Entries 58
Mean 326
Std Dev 295.6
pull1D
Entries 58
Mean −0.02233
Std Dev 1.011

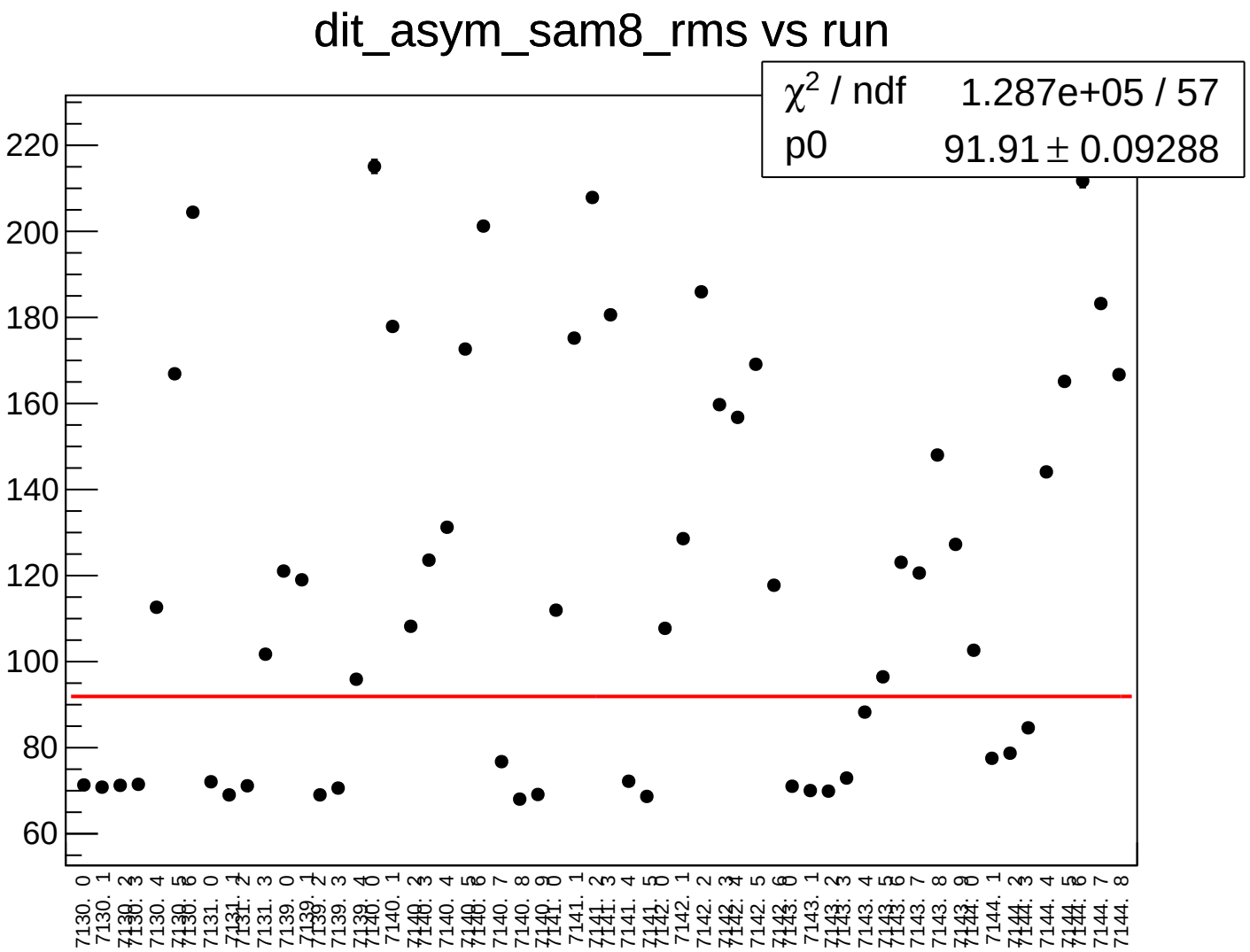

asym_sam7_correction_rms vs run
χ^2 / ndf 3151 / 57
p0 317.6 ± 0.3022
370
360
350
340
330
320
310
300
290
280

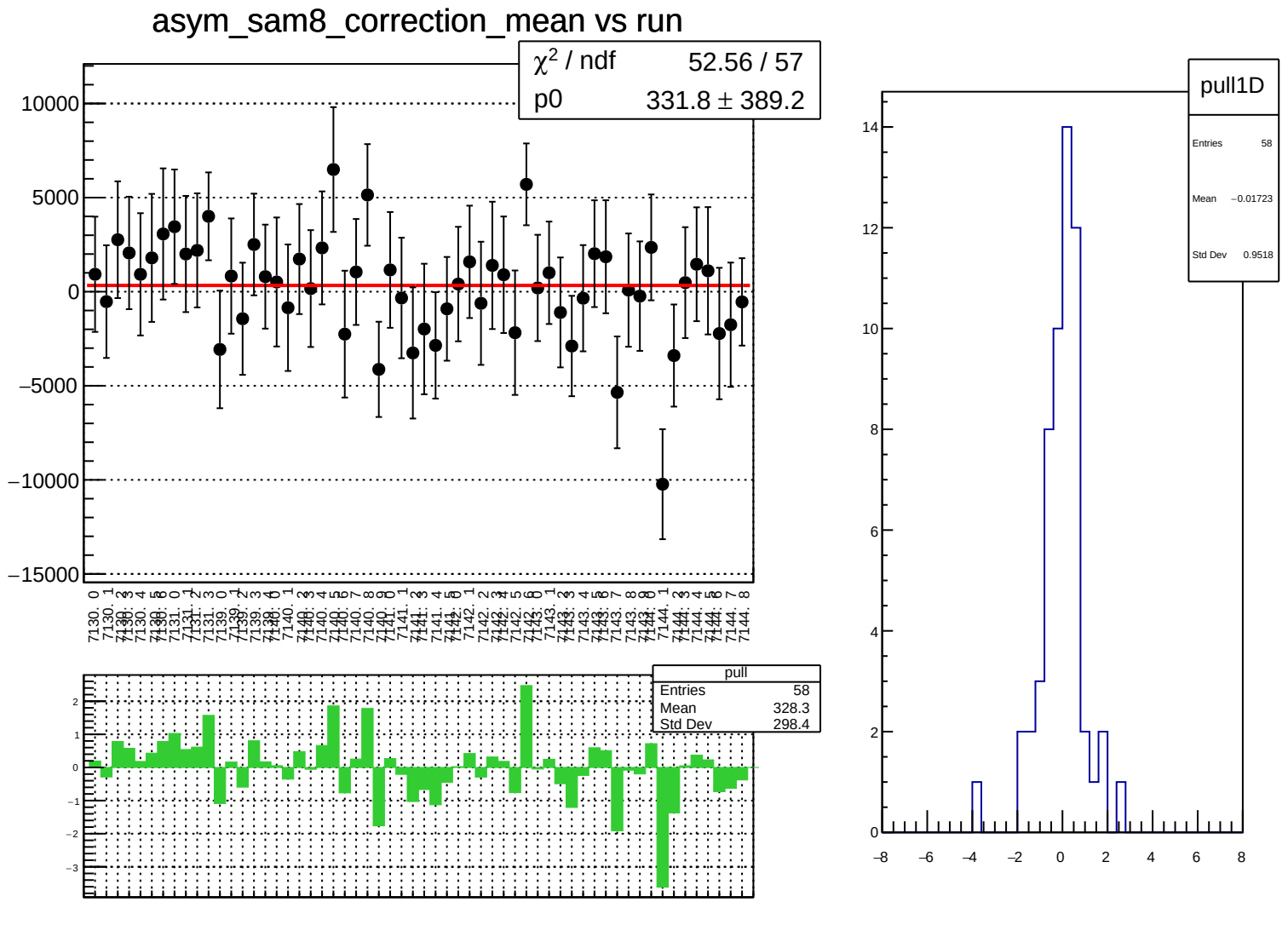

asym_sam7_mean vs run
χ² / ndf 65.35 / 57
p0 −801.4 ± 406.9
pull
Entries 58
Mean 276
Std Dev 245.6
pull1D
Entries 58
Mean 0.02487
Std Dev 1.061


asym_sam7_rms vs run
χ² / ndf 3644 / 57
p0 302.4 ± 0.2878
360
340
320
300
280

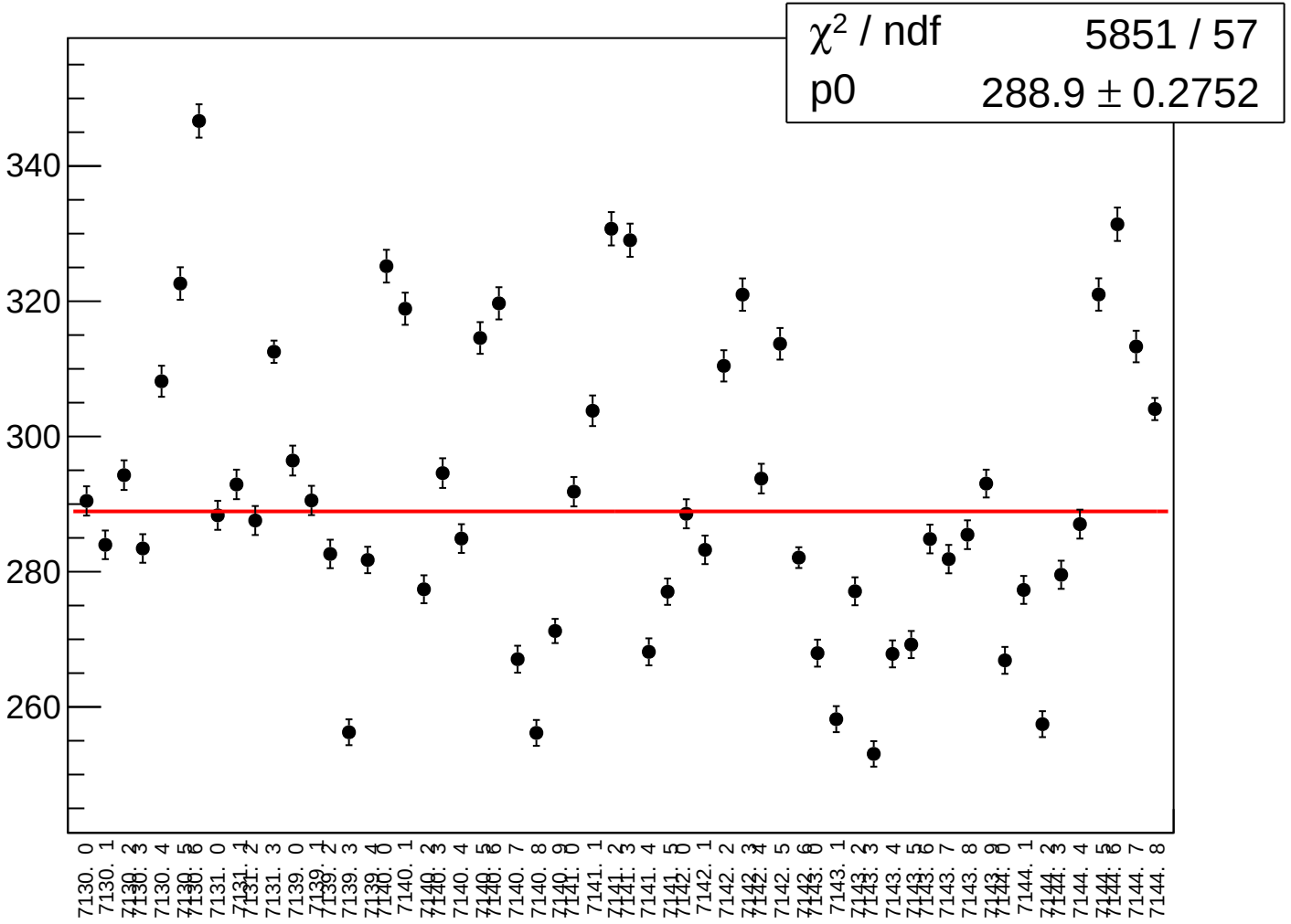

dit_asym_sam8_mean vs run
χ^2 / ndf 69.98 / 57
p0 276.3 ± 131.4
pull
Entries 58
Mean 52.38
Std Dev 4.979

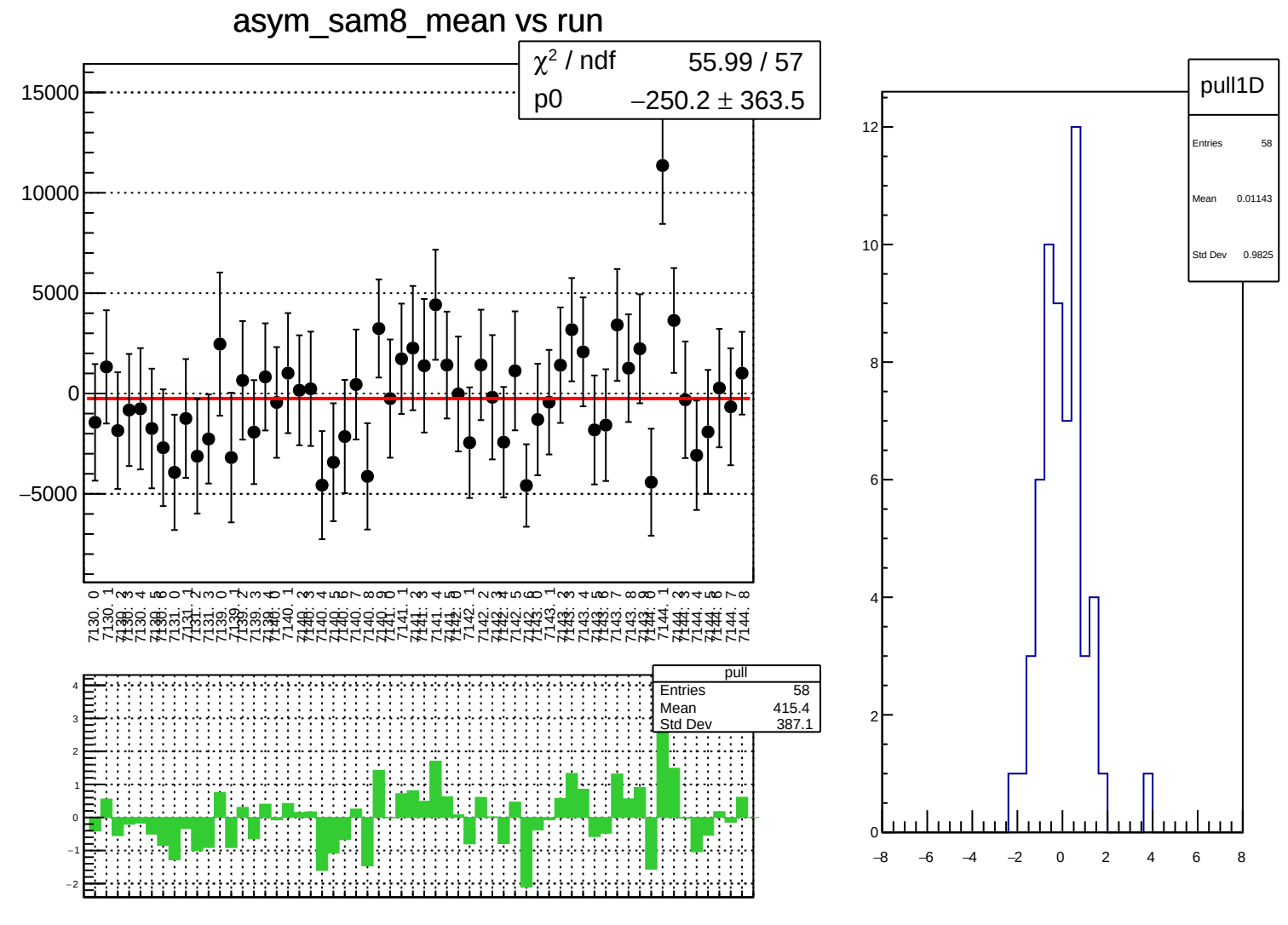

pull1D
Entries 58
Mean −0.08385
Std Dev 1.095

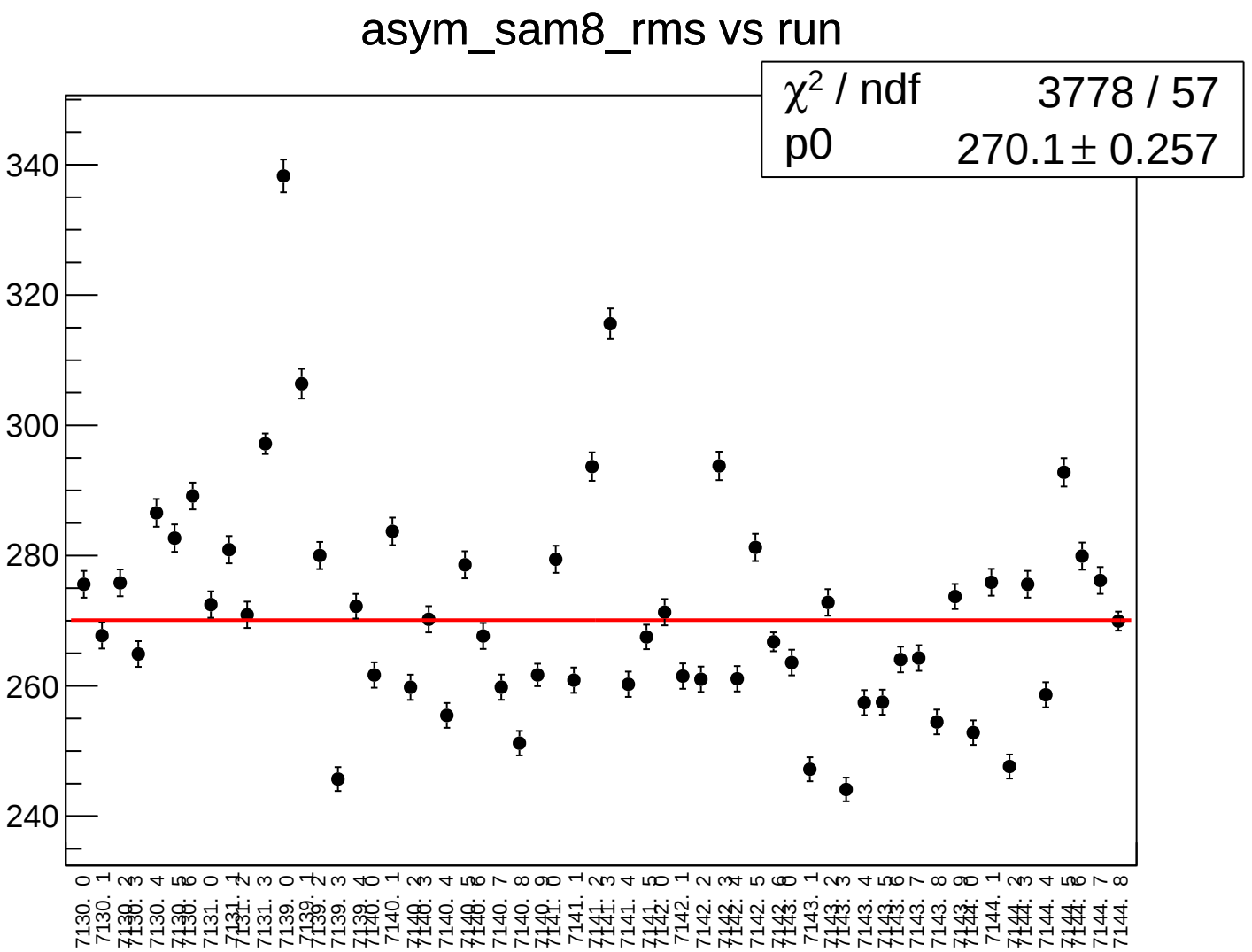

dit_asym_sam8_rms vs run
χ^2 / ndf 1.287e+05 / 57
p0 91.91 ± 0.09288
220
200
180
160
140
120
100
80
60

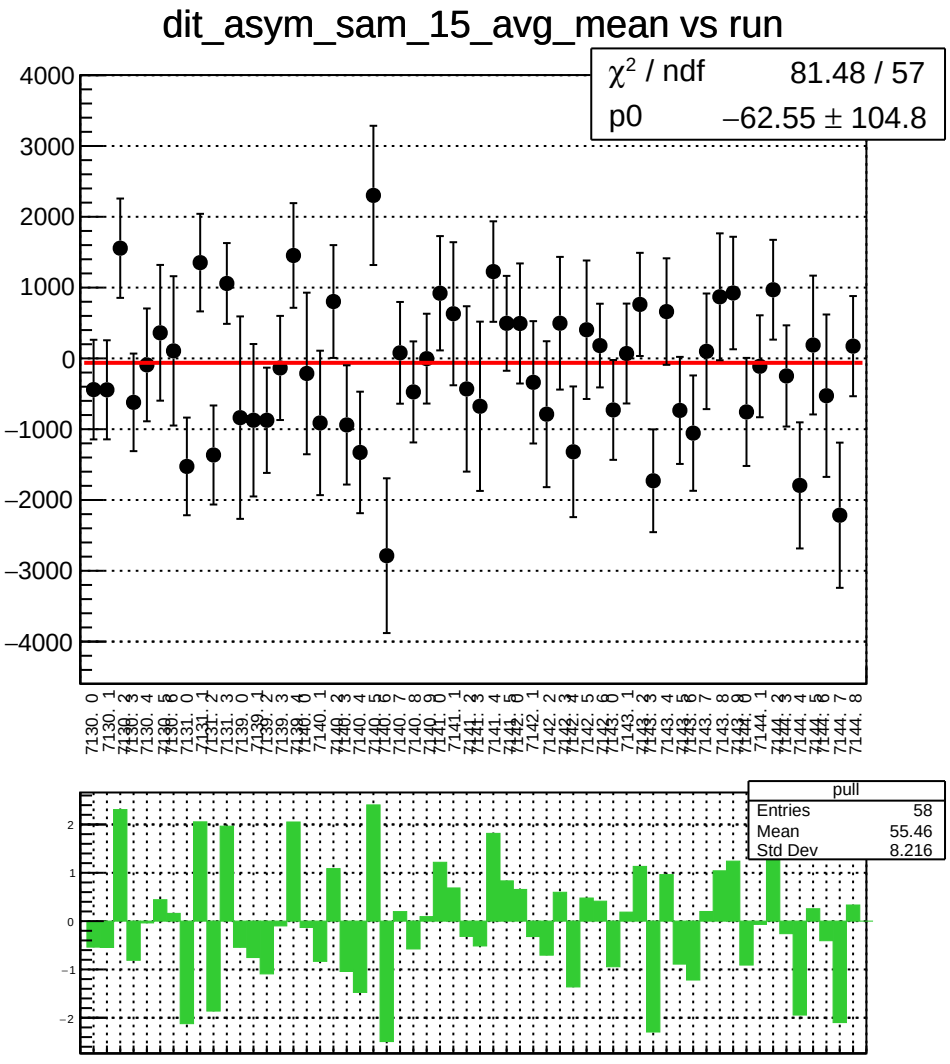

asym_sam8_correction_mean vs run
χ² / ndf 52.56 / 57
p0 331.8 ± 389.2
pull
Entries 58
Mean 328.3
Std Dev 298.4
pull1D
Entries 58
Mean −0.01723
Std Dev 0.9518

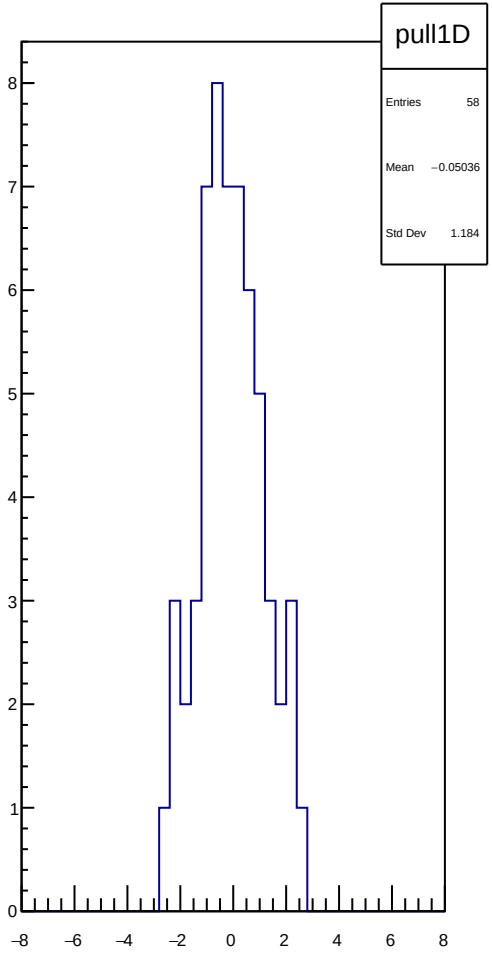
asym_sam8_correction_rms vs run

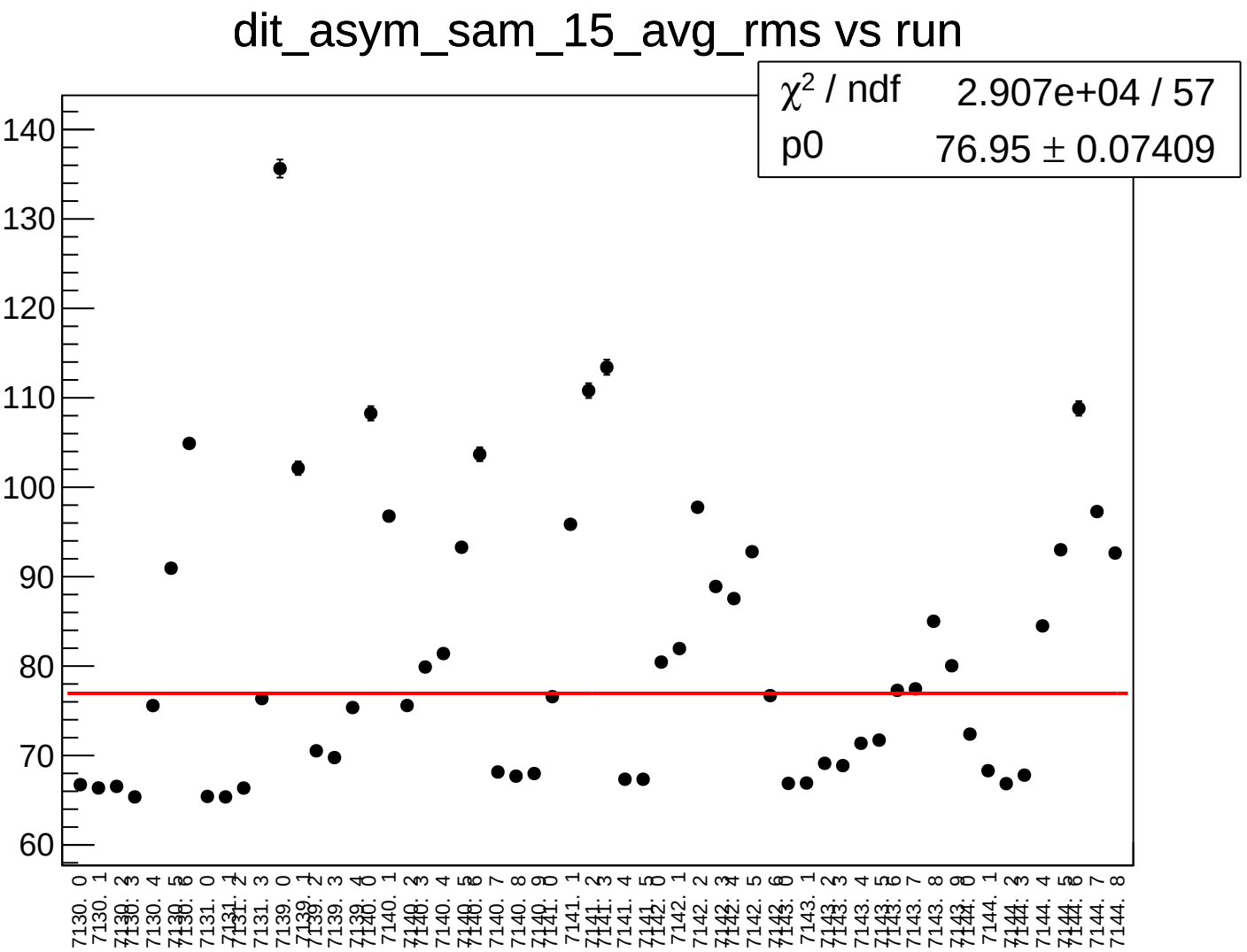


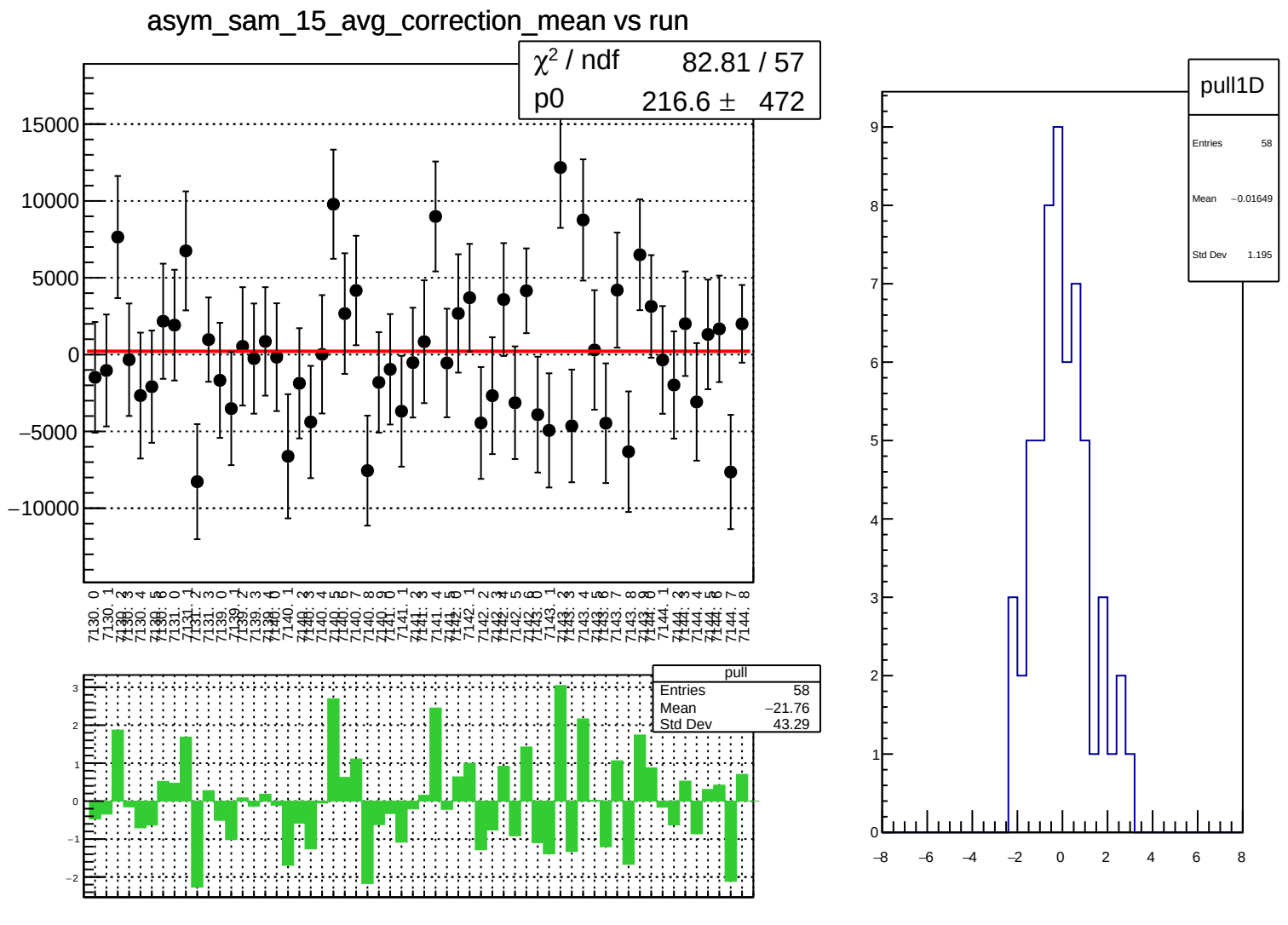

asym_sam8_mean vs run
χ² / ndf 55.99 / 57
p0 −250.2 ± 363.5
15000
10000
5000
0
−5000
pull
Entries 58
Mean 415.4
Std Dev 387.1
pull1D
Entries 58
Mean 0.01143
Std Dev 0.9825

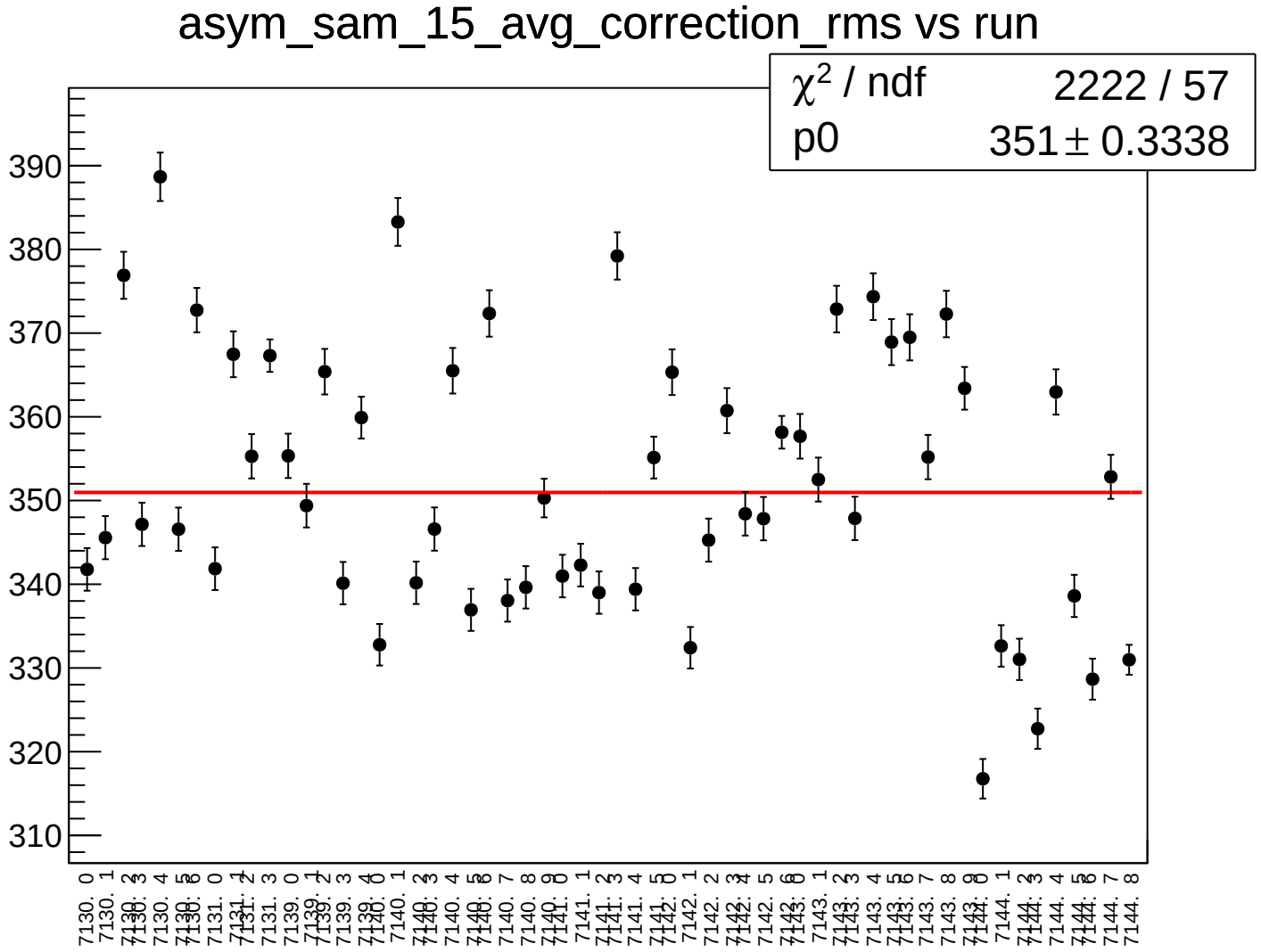

asym_sam8_rms vs run
χ2 / ndf 3778 / 57
p0 270.1 ± 0.257
340
320
300
280
260
240

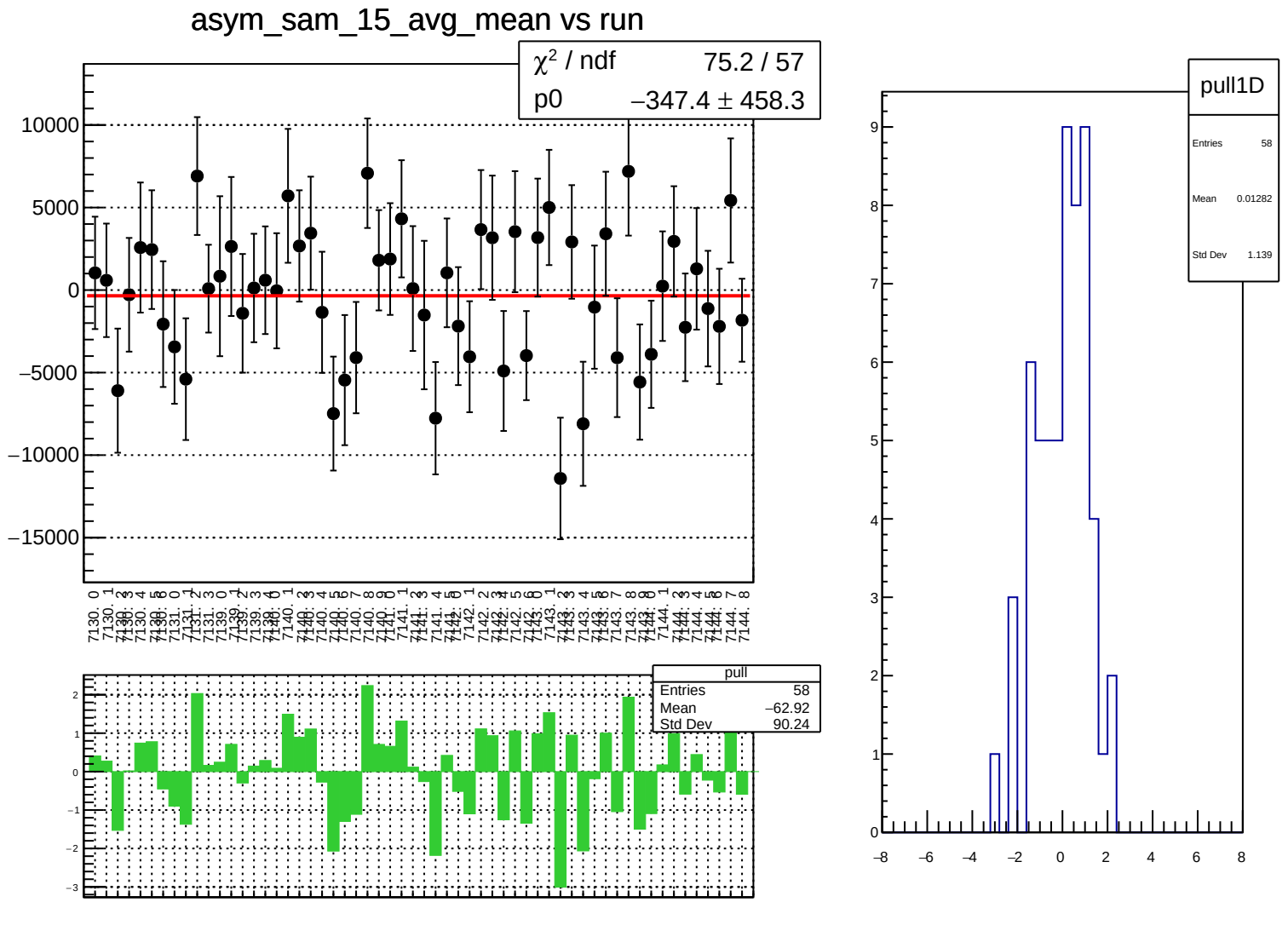

dit_asym_sam_15_avg_mean vs run
χ² / ndf 81.48 / 57
p0 −62.55 ± 104.8
pull
Entries 58
Mean 55.46
Std Dev 8.216

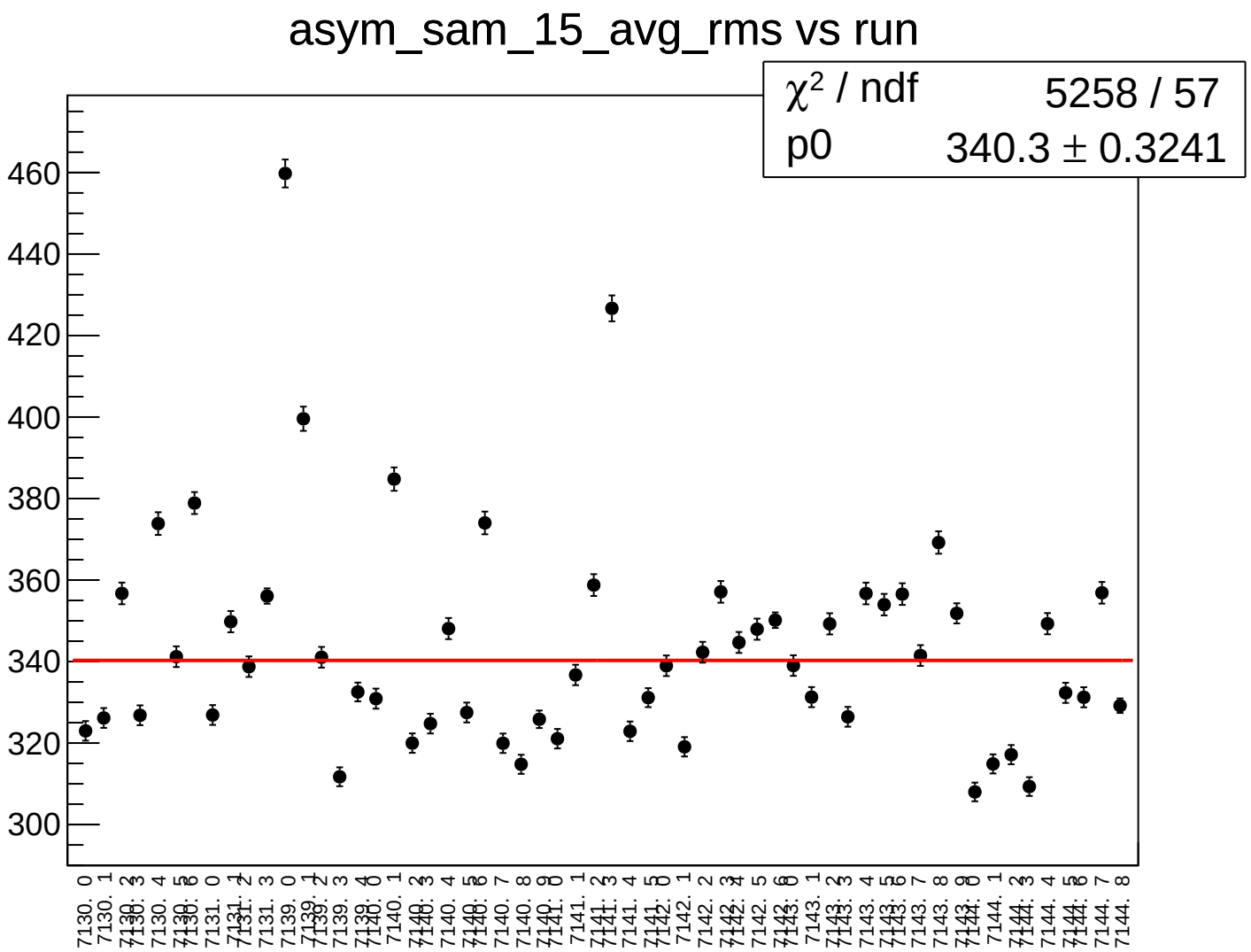

pull1D
Entries 58
Mean −0.05036
Std Dev 1.184

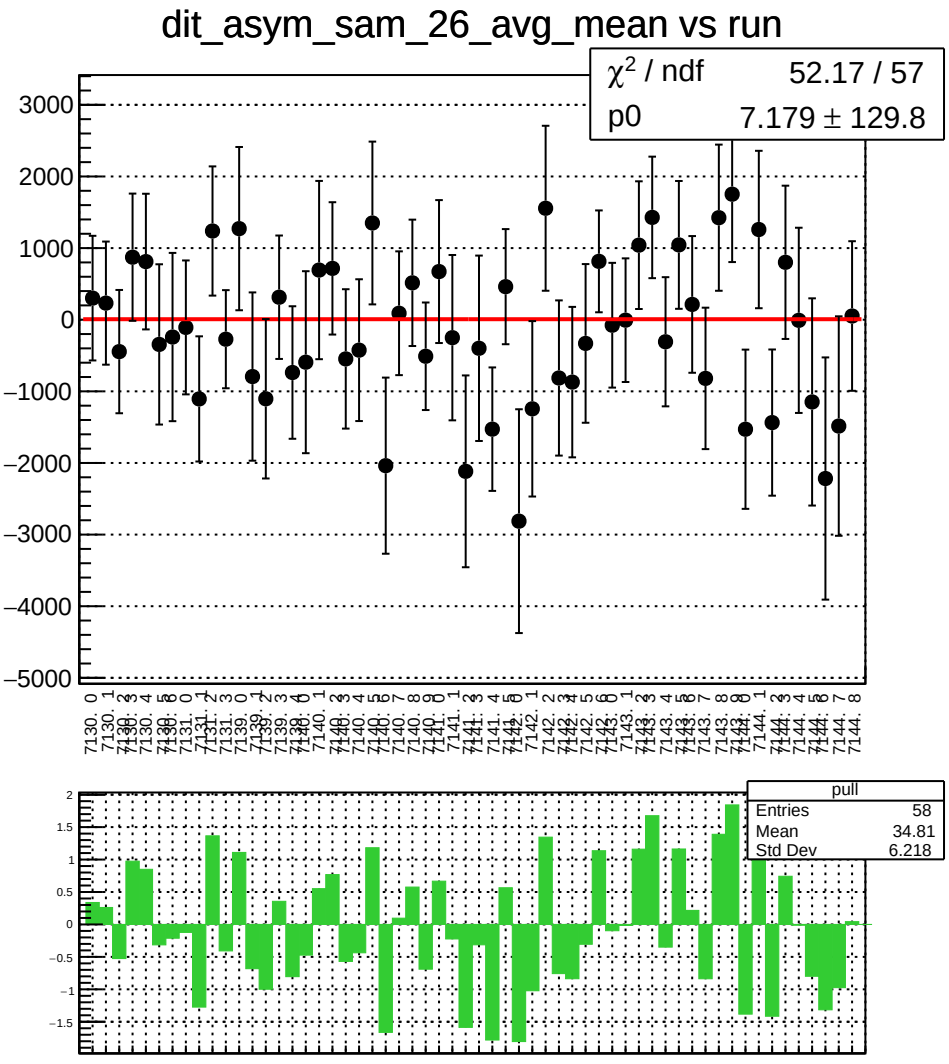

dit_asym_sam_15_avg_rms vs run
χ2 / ndf 2.907e+04 / 57
p0 76.95 ± 0.07409
140
130
120
110
100
90
80
70
60

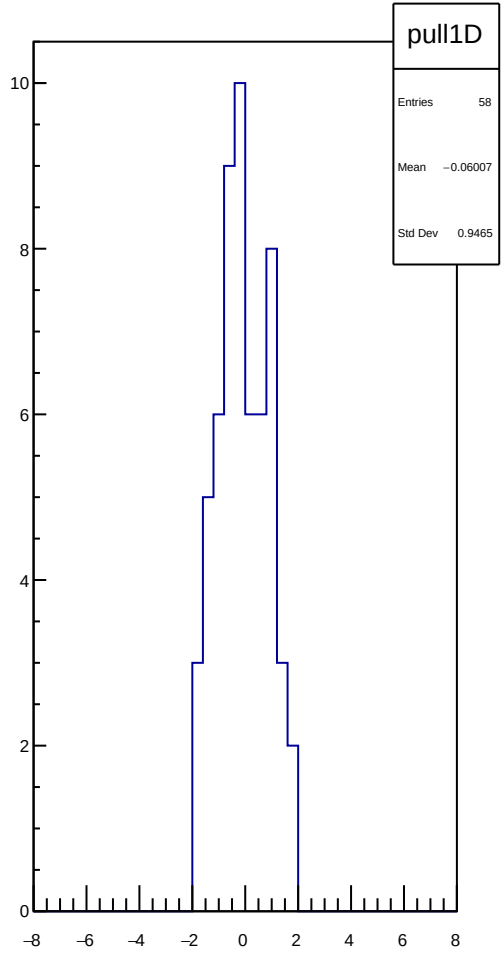

asym_sam_15_avg_correction_mean vs run
χ² / ndf 82.81 / 57
p0 216.6 ± 472
pull
Entries 58
Mean −21.76
Std Dev 43.29
pull1D
Entries 58
Mean −0.01649
Std Dev 1.195


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 2222 / 57
p0 351 ± 0.3338
390
380
370
360
350
340
330
320
310
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

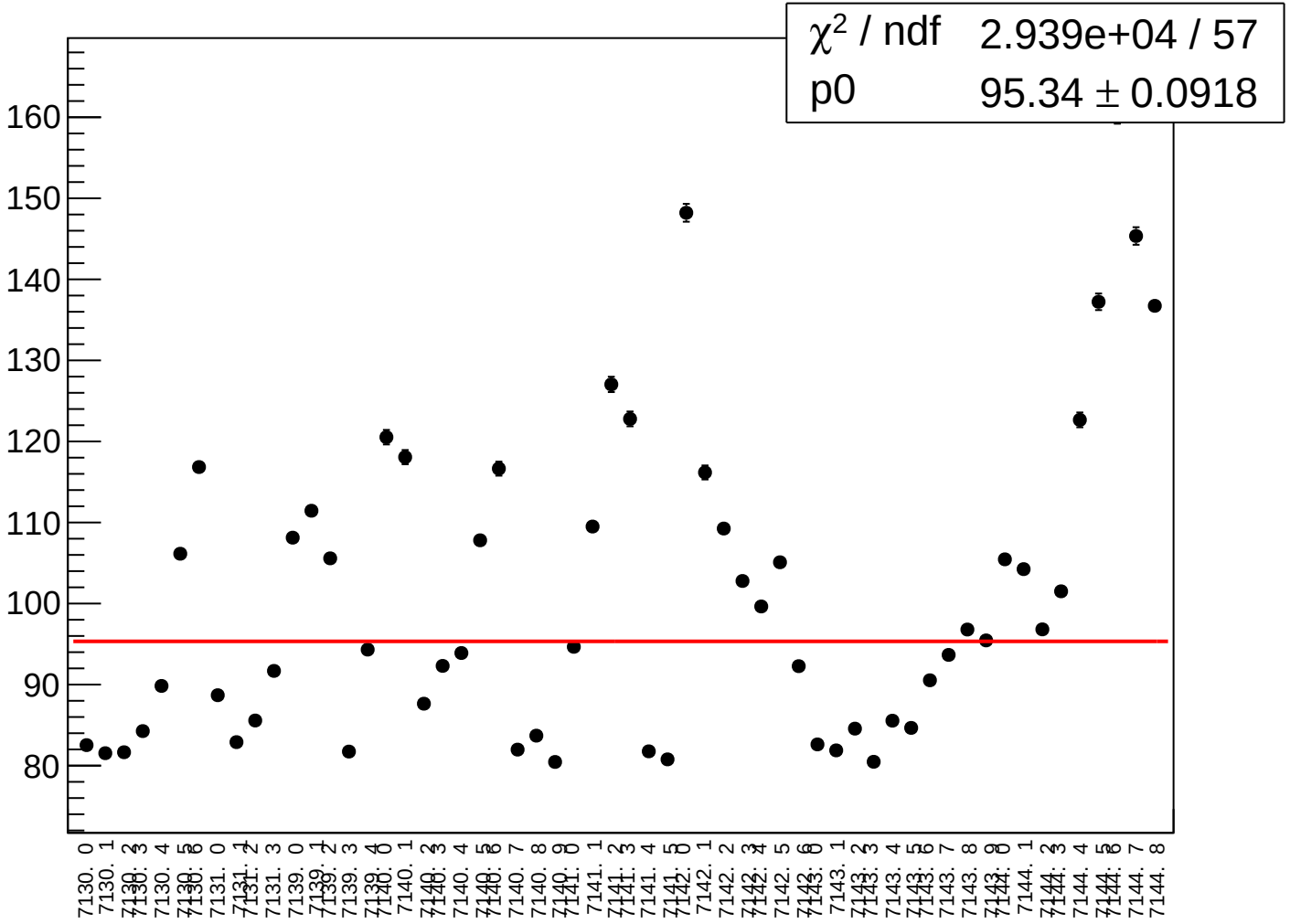

asym_sam_15_avg_mean vs run
χ² / ndf 75.2 / 57
p0 −347.4 ± 458.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean −62.92
Std Dev 90.24
pull1D
Entries 58
Mean 0.01282
Std Dev 1.139

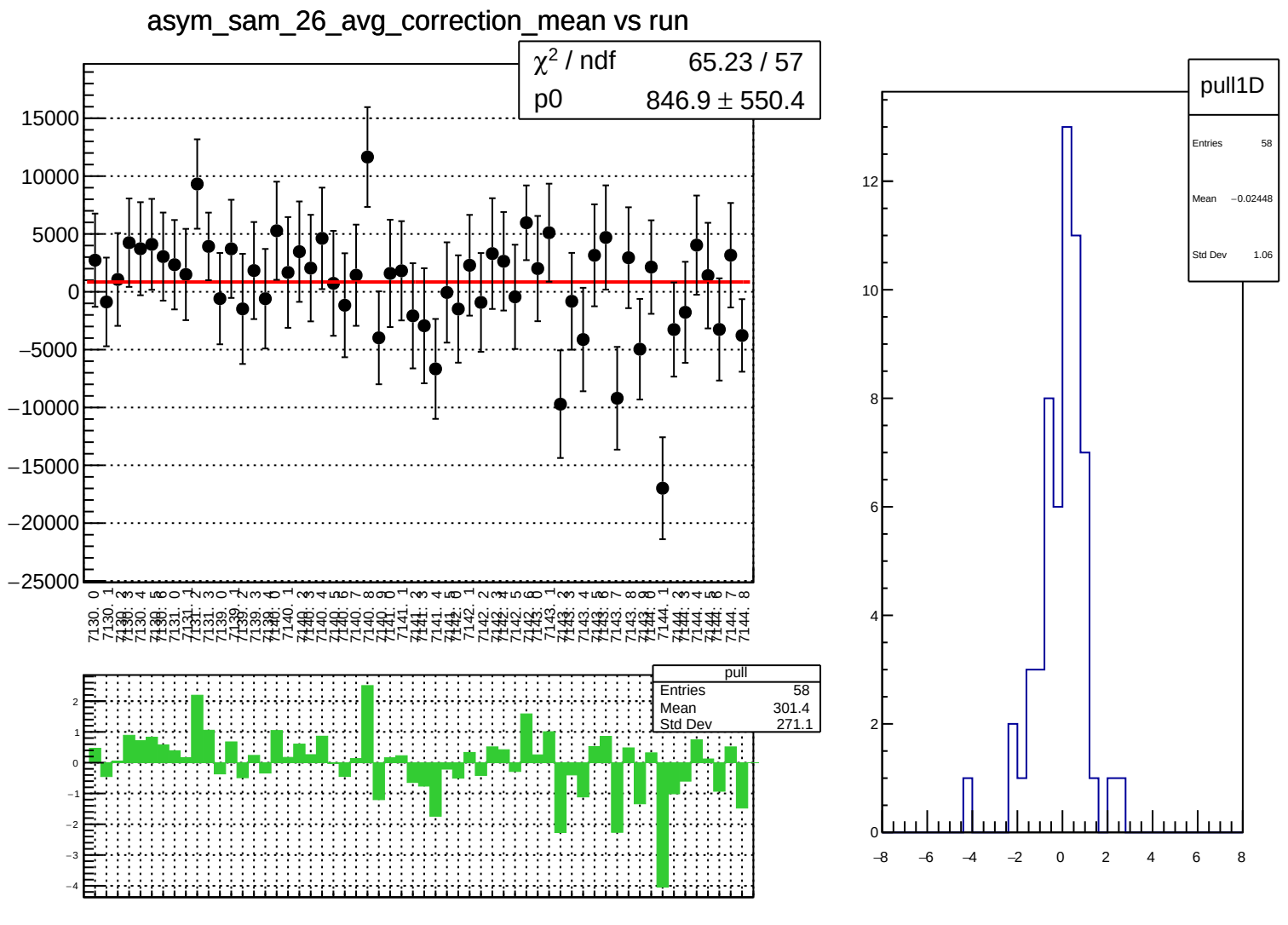

asym_sam_15_avg_rms vs run
χ² / ndf 5258 / 57
p0 340.3 ± 0.3241
460
440
420
400
380
360
340
320
300

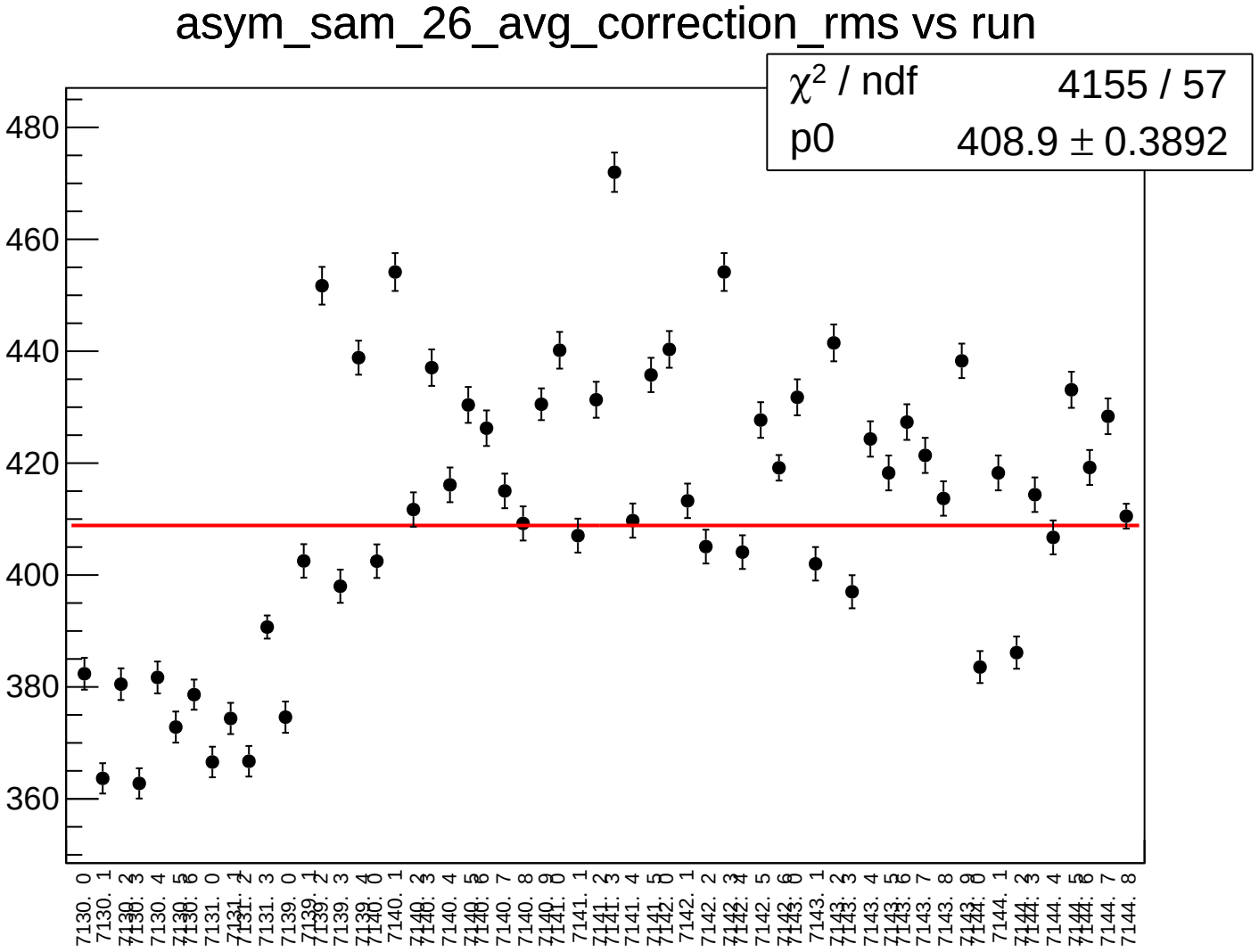

dit_asym_sam_26_avg_mean vs run
χ² / ndf 52.17 / 57
p0 7.179 ± 129.8
pull
Entries 58
Mean 34.81
Std Dev 6.218

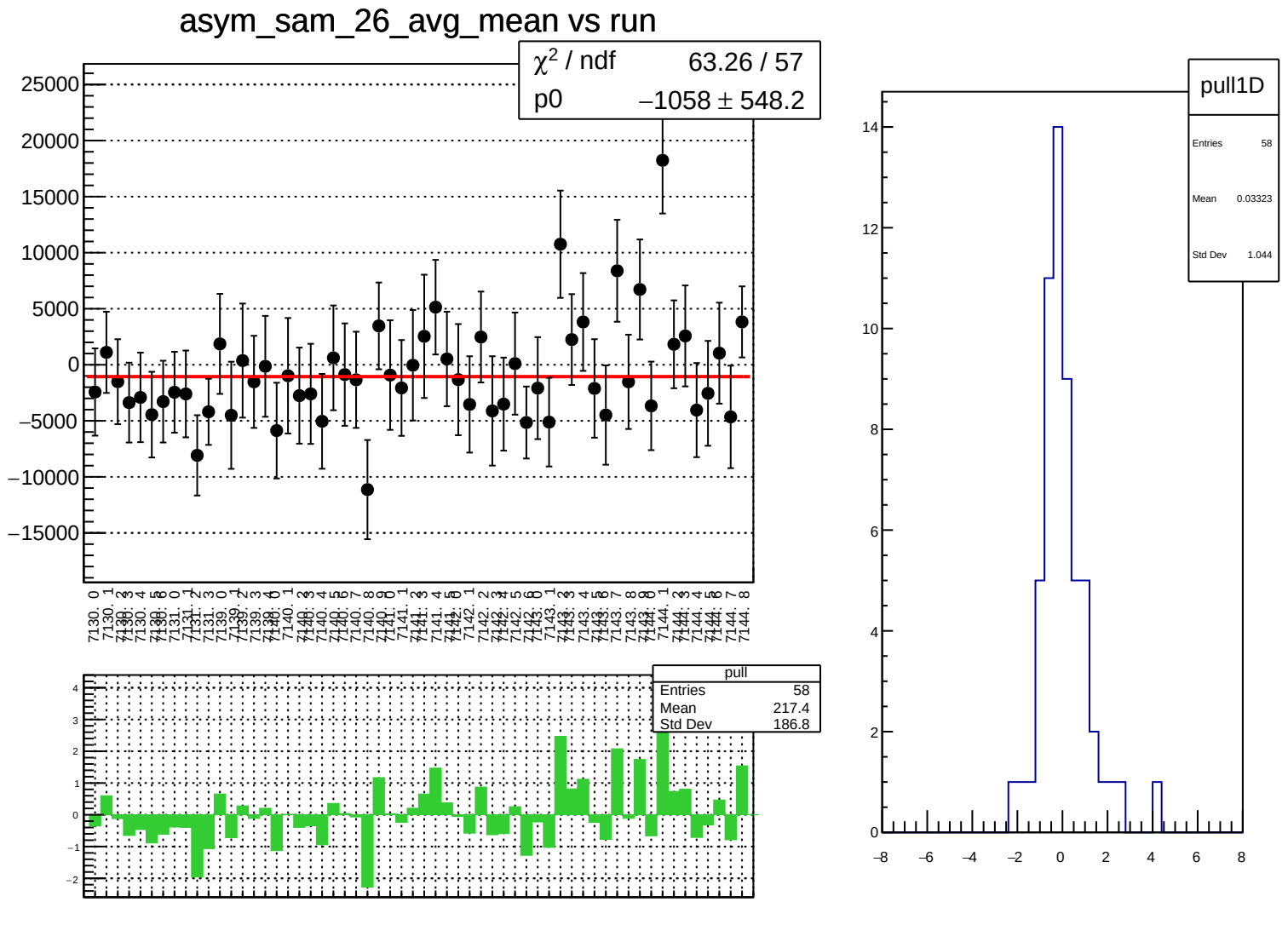

pull1D
Entries 58
Mean −0.06007
Std Dev 0.9465

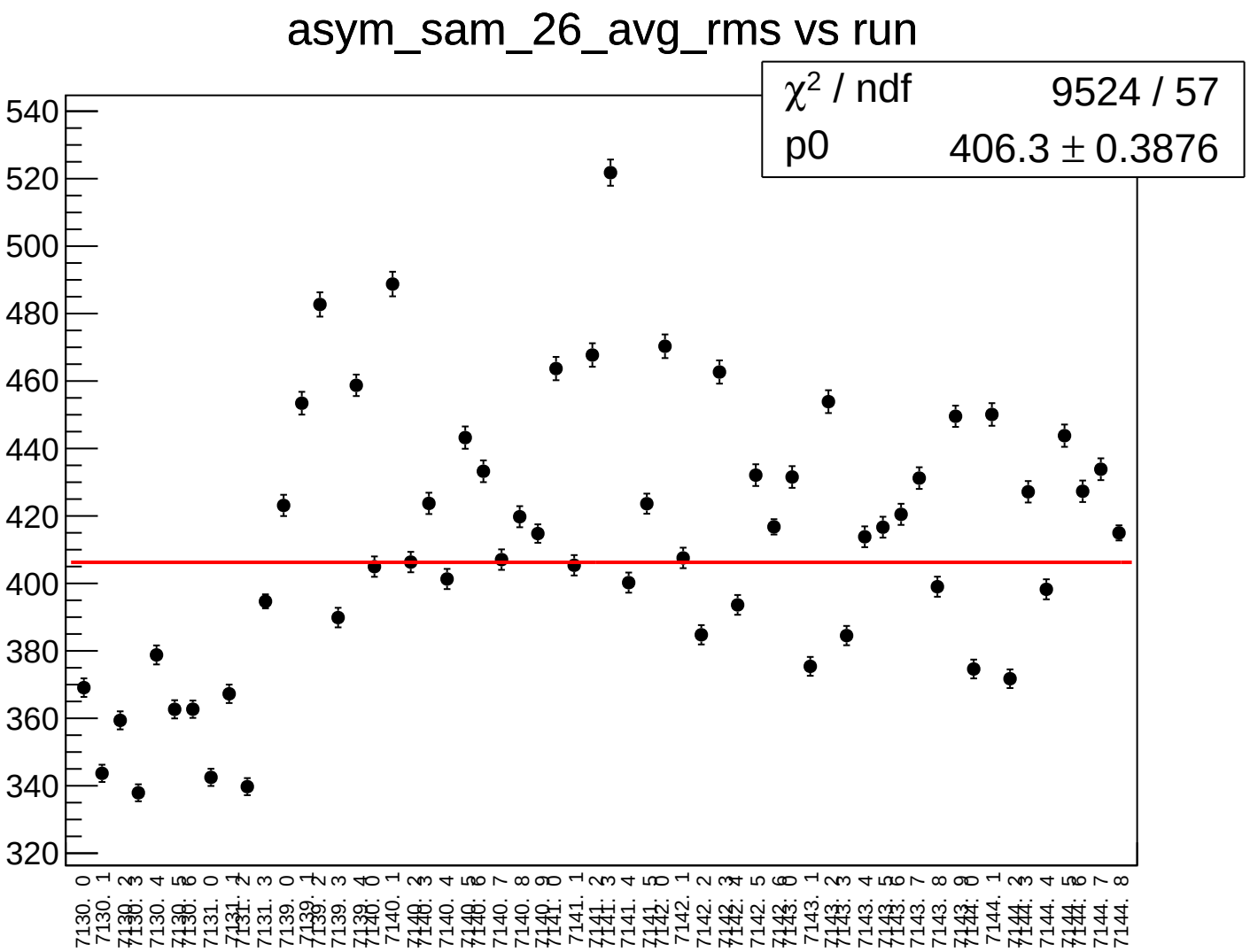
dit_asym_sam_26_avg_rms vs run

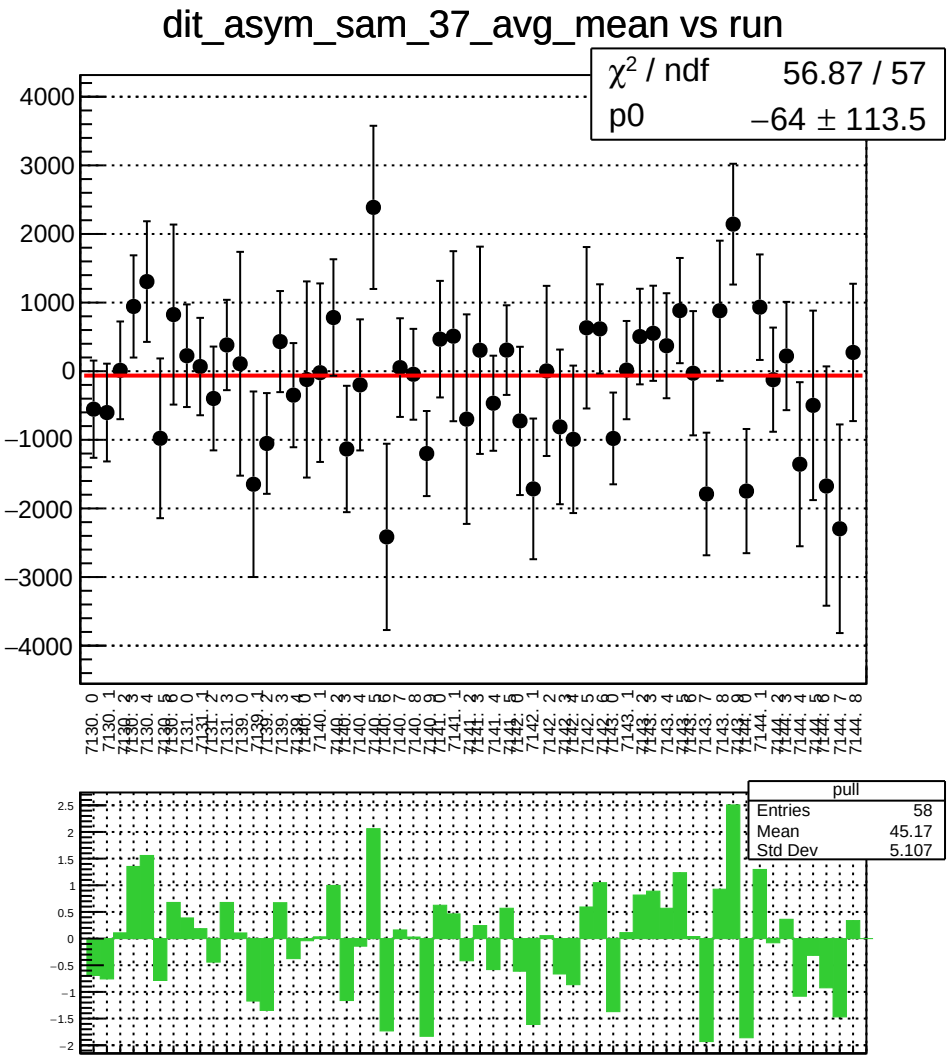


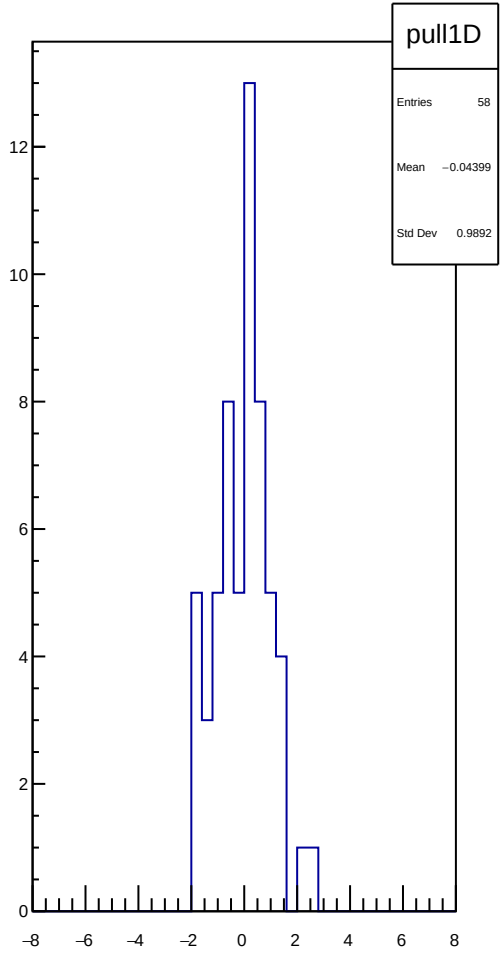

asym_sam_26_avg_correction_mean vs run
χ² / ndf 65.23 / 57
p0 846.9 ± 550.4
pull
Entries 58
Mean 301.4
Std Dev 271.1
pull1D
Entries 58
Mean −0.02448
Std Dev 1.06


asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 4155 / 57
p0 408.9 ± 0.3892
480
460
440
420
400
380
360

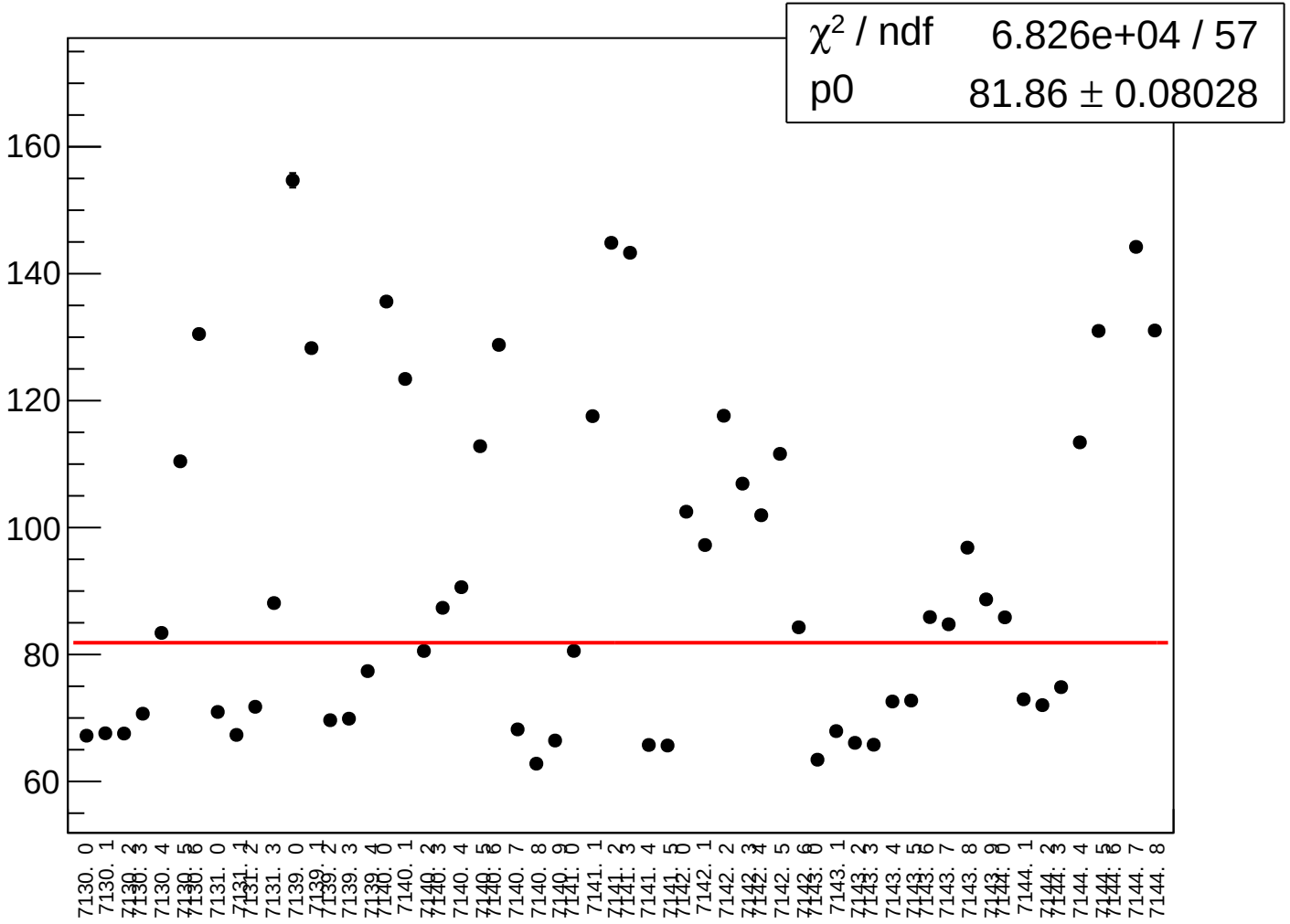

asym_sam_26_avg_mean vs run
χ² / ndf 63.26 / 57
p0 −1058 ± 548.2
pull
Entries 58
Mean 217.4
Std Dev 186.8
pull1D
Entries 58
Mean 0.03323
Std Dev 1.044

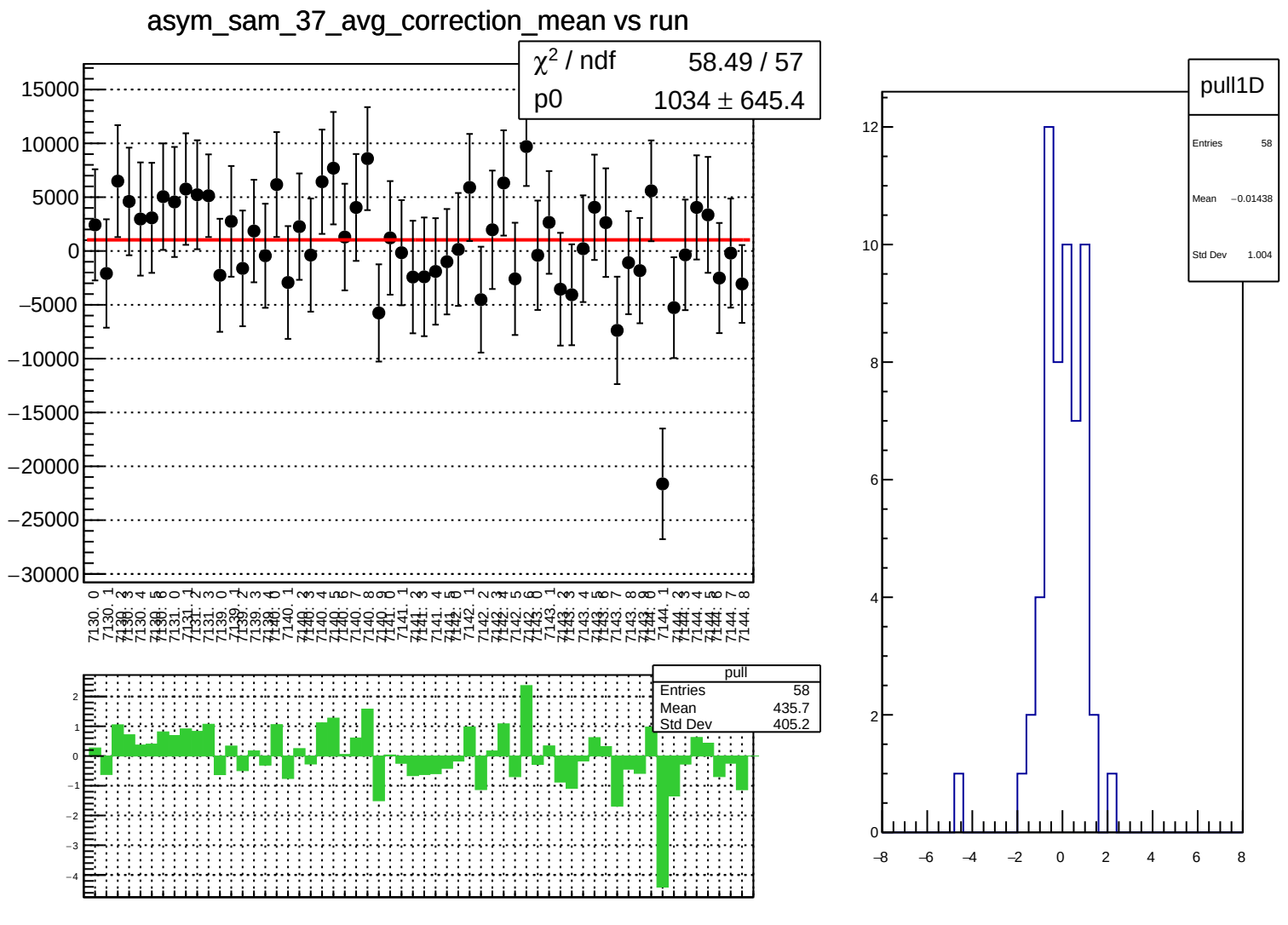

asym_sam_26_avg_rms vs run
χ^2 / ndf 9524 / 57
p0 406.3 ± 0.3876
540
520
500
480
460
440
420
400
380
360
340
320

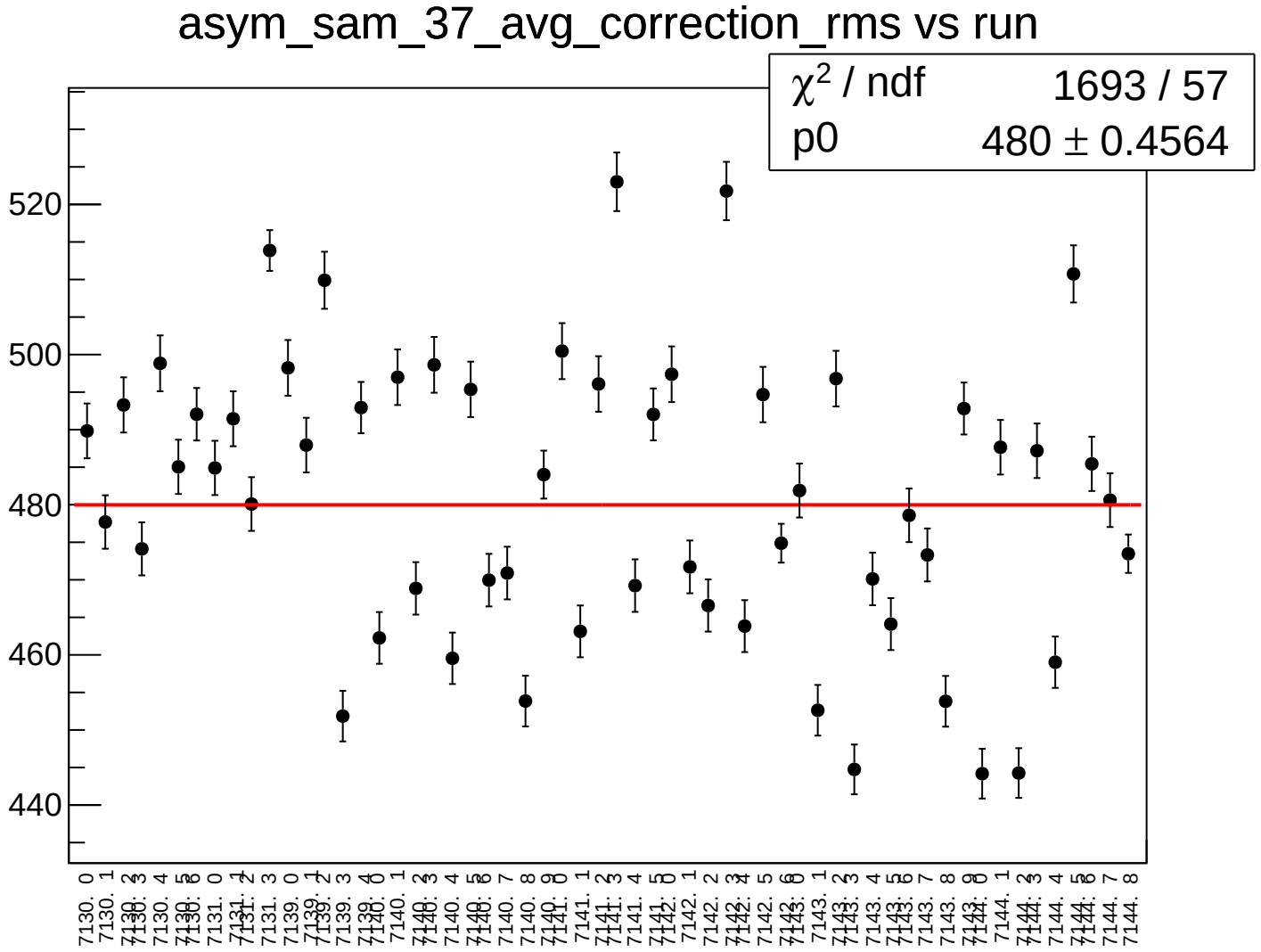

dit_asym_sam_37_avg_mean vs run
χ² / ndf 56.87 / 57
p0 −64 ± 113.5
pull
Entries 58
Mean 45.17
Std Dev 5.107

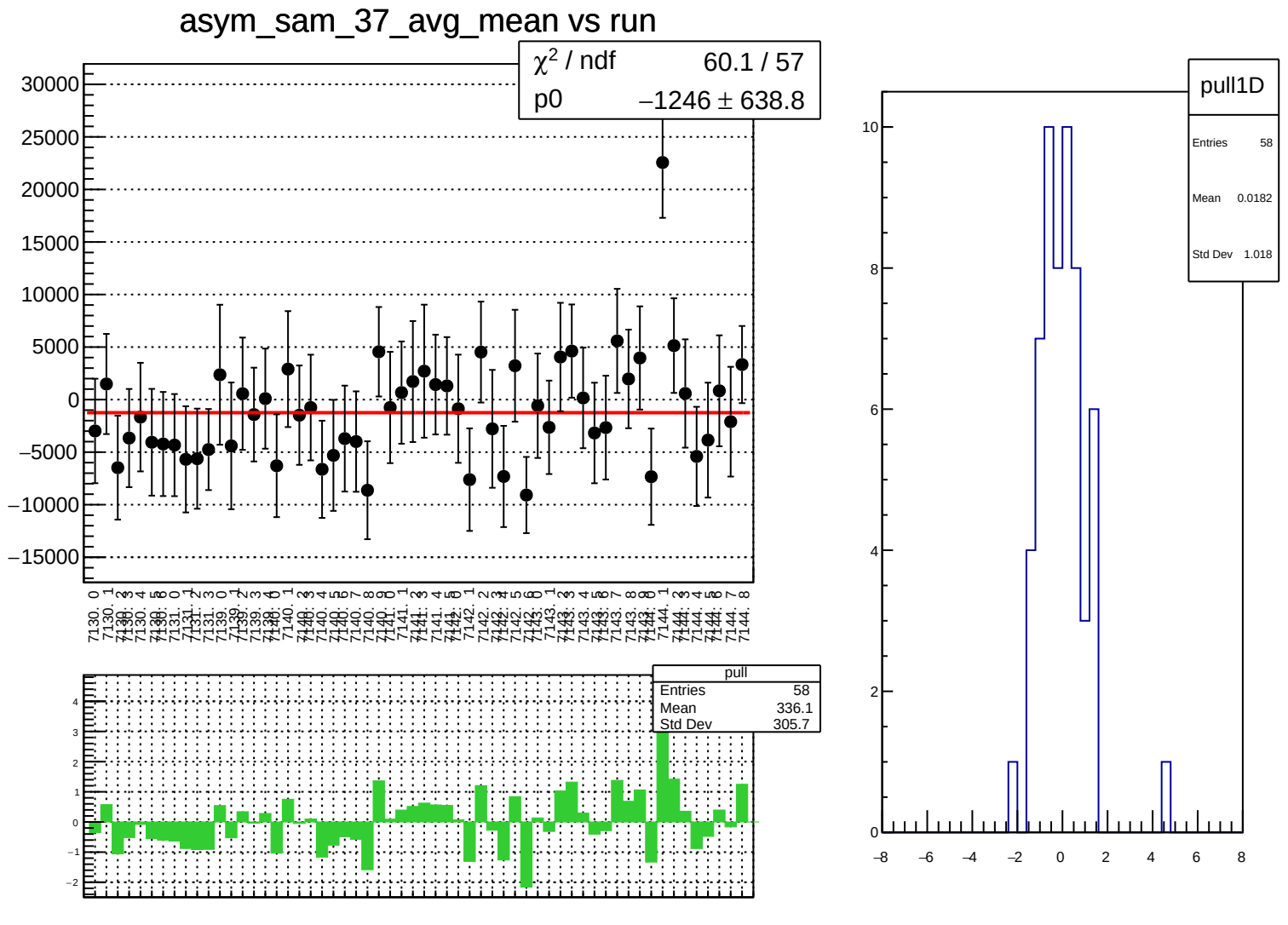

pull1D
Entries 58
Mean −0.04399
Std Dev 0.9892

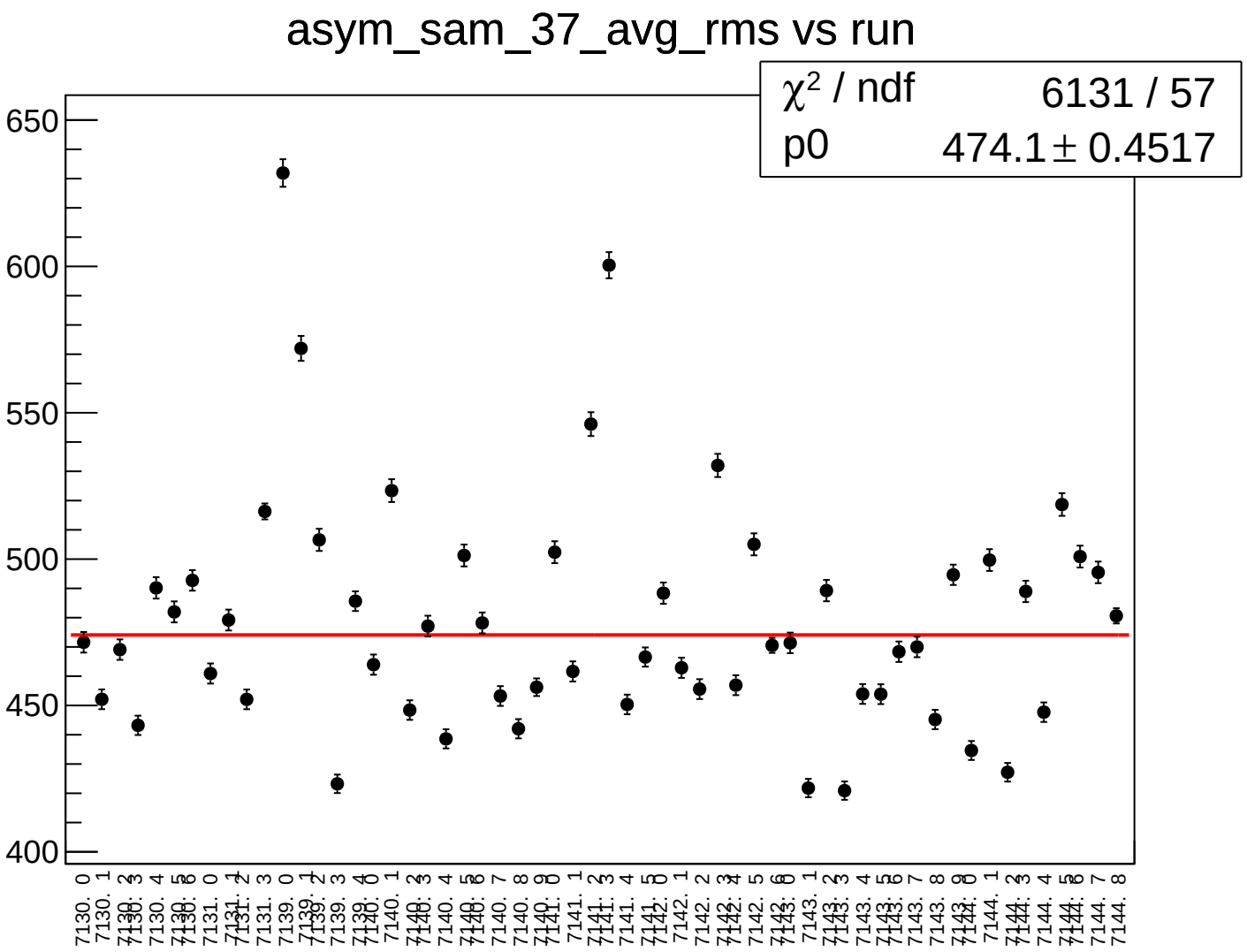
dit_asym_sam_37_avg_rms vs run

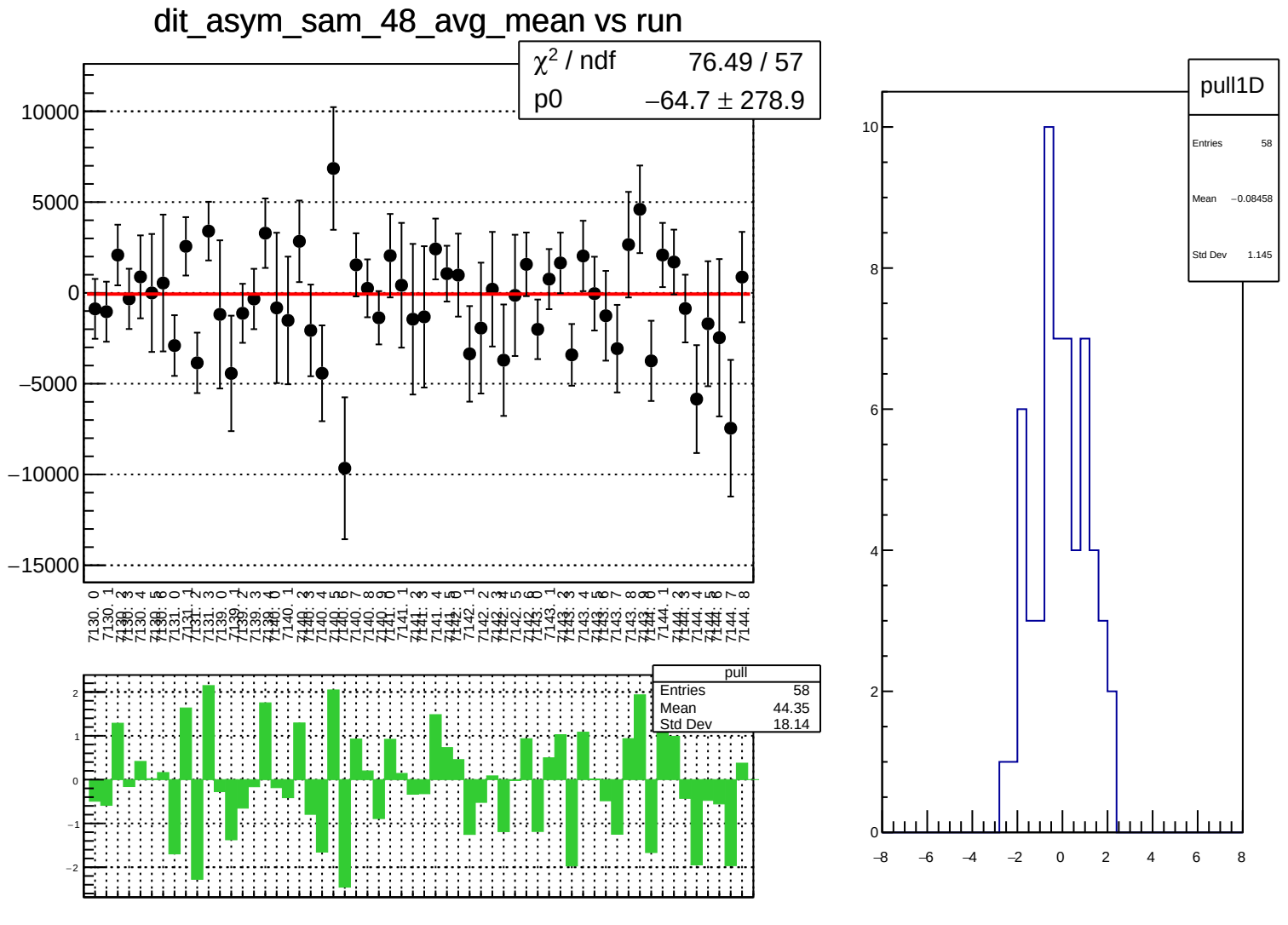


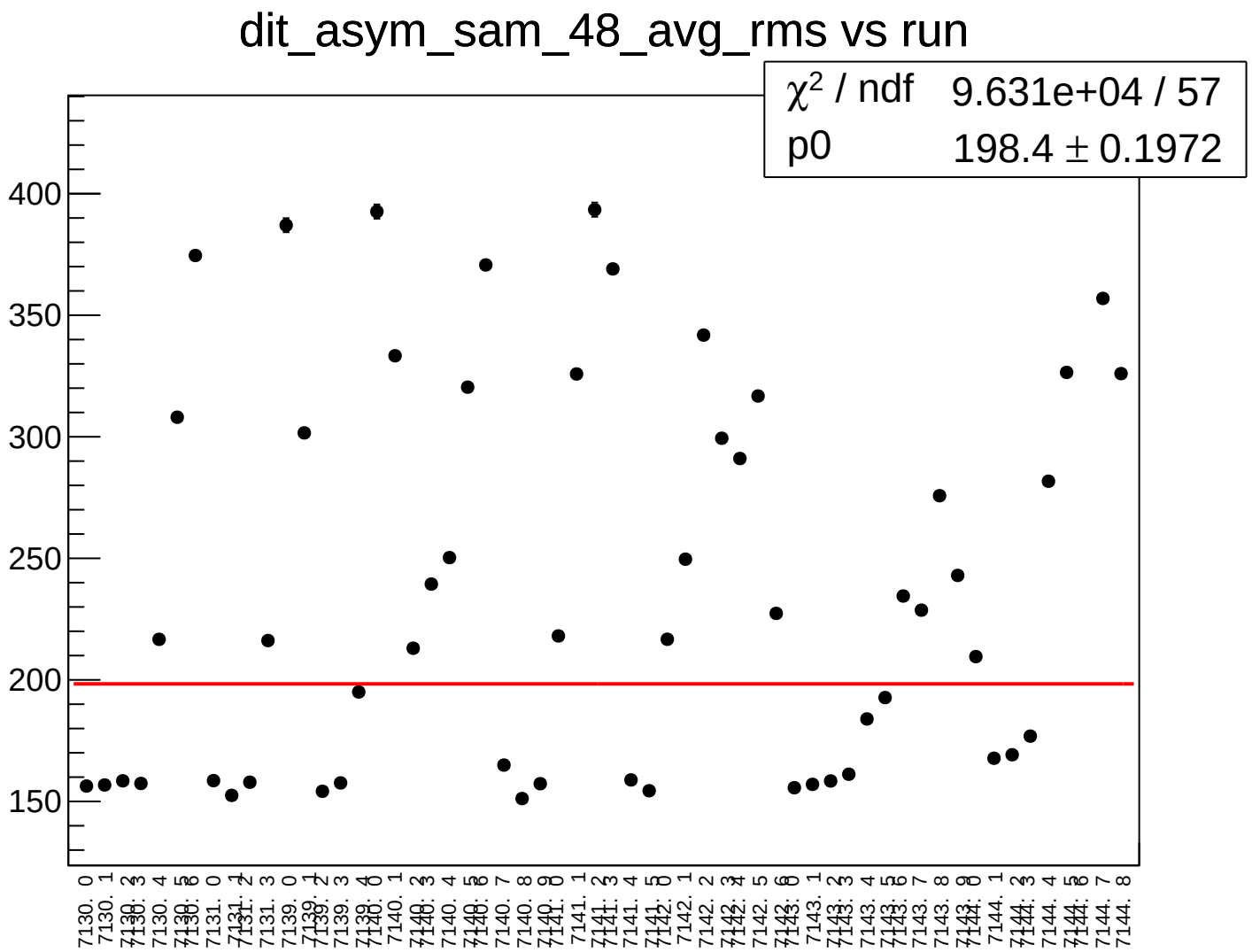

asym_sam_37_avg_correction_mean vs run
χ² / ndf 58.49 / 57
p0 1034 ± 645.4
pull
Entries 58
Mean 435.7
Std Dev 405.2
pull1D
Entries 58
Mean −0.01438
Std Dev 1.004

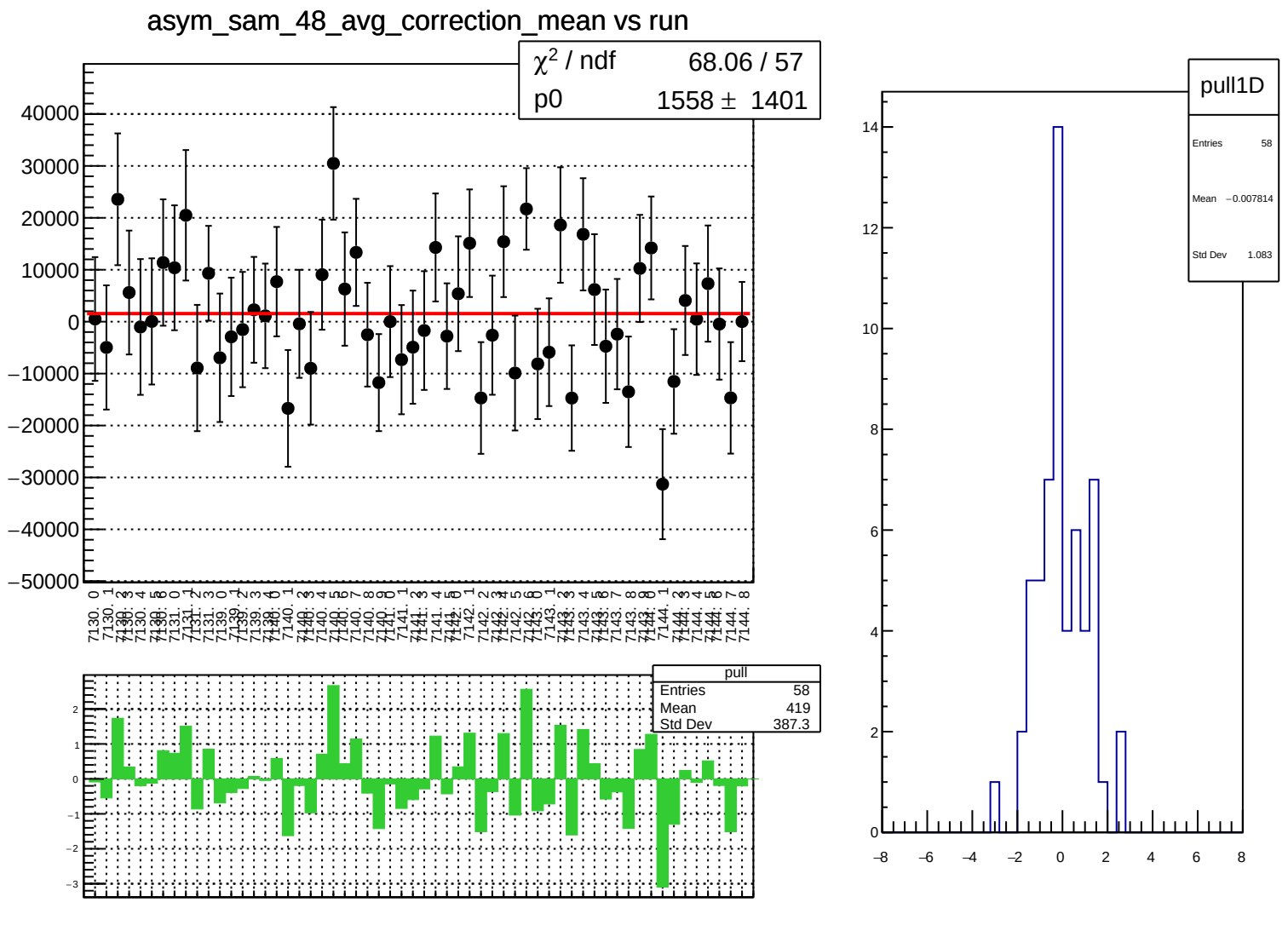

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 1693 / 57
p0 480 ± 0.4564
520
500
480
460
440

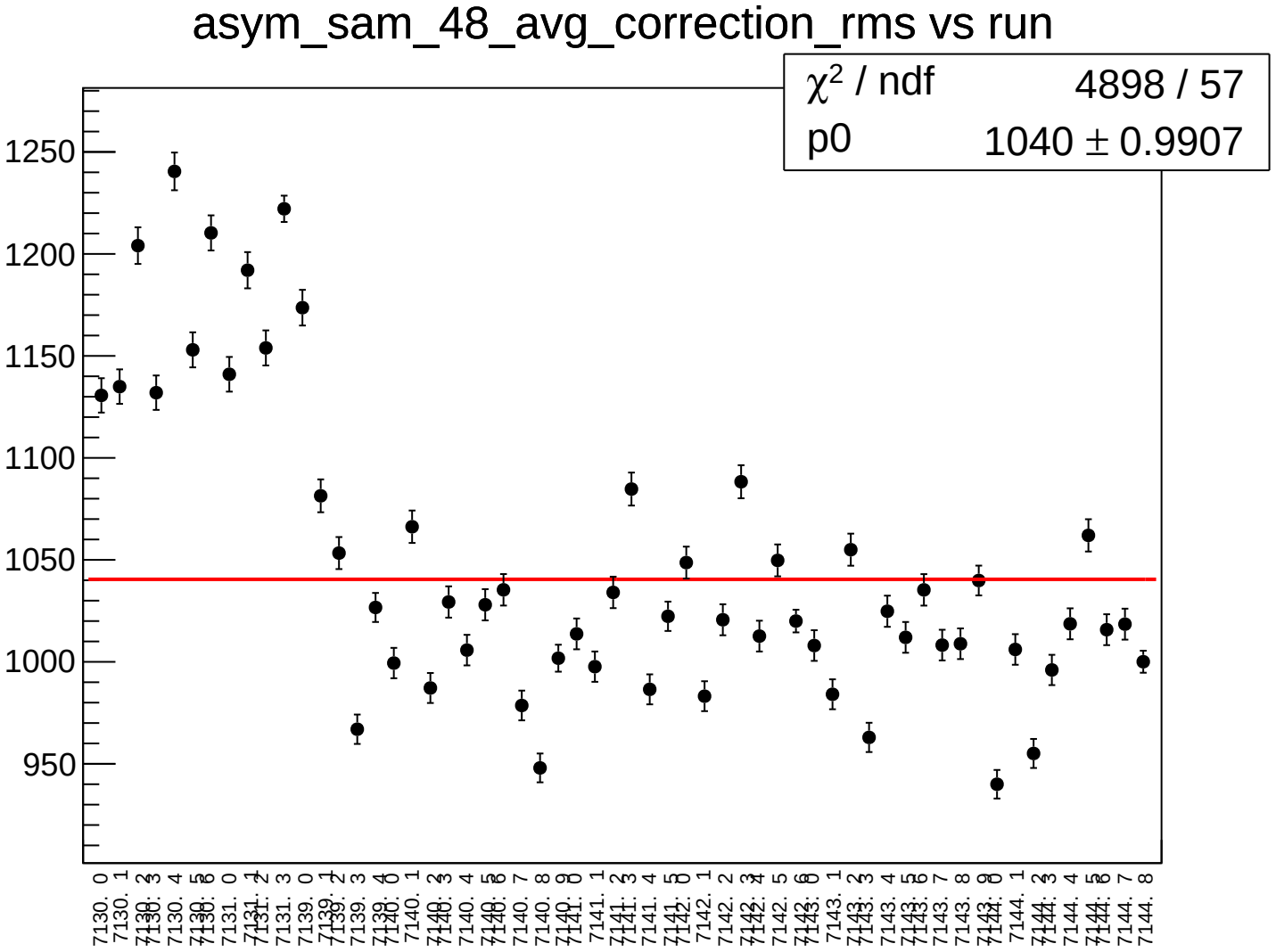

asym_sam_37_avg_mean vs run
χ² / ndf 60.1 / 57
p0 −1246 ± 638.8
pull
Entries 58
Mean 336.1
Std Dev 305.7
pull1D
Entries 58
Mean 0.0182
Std Dev 1.018

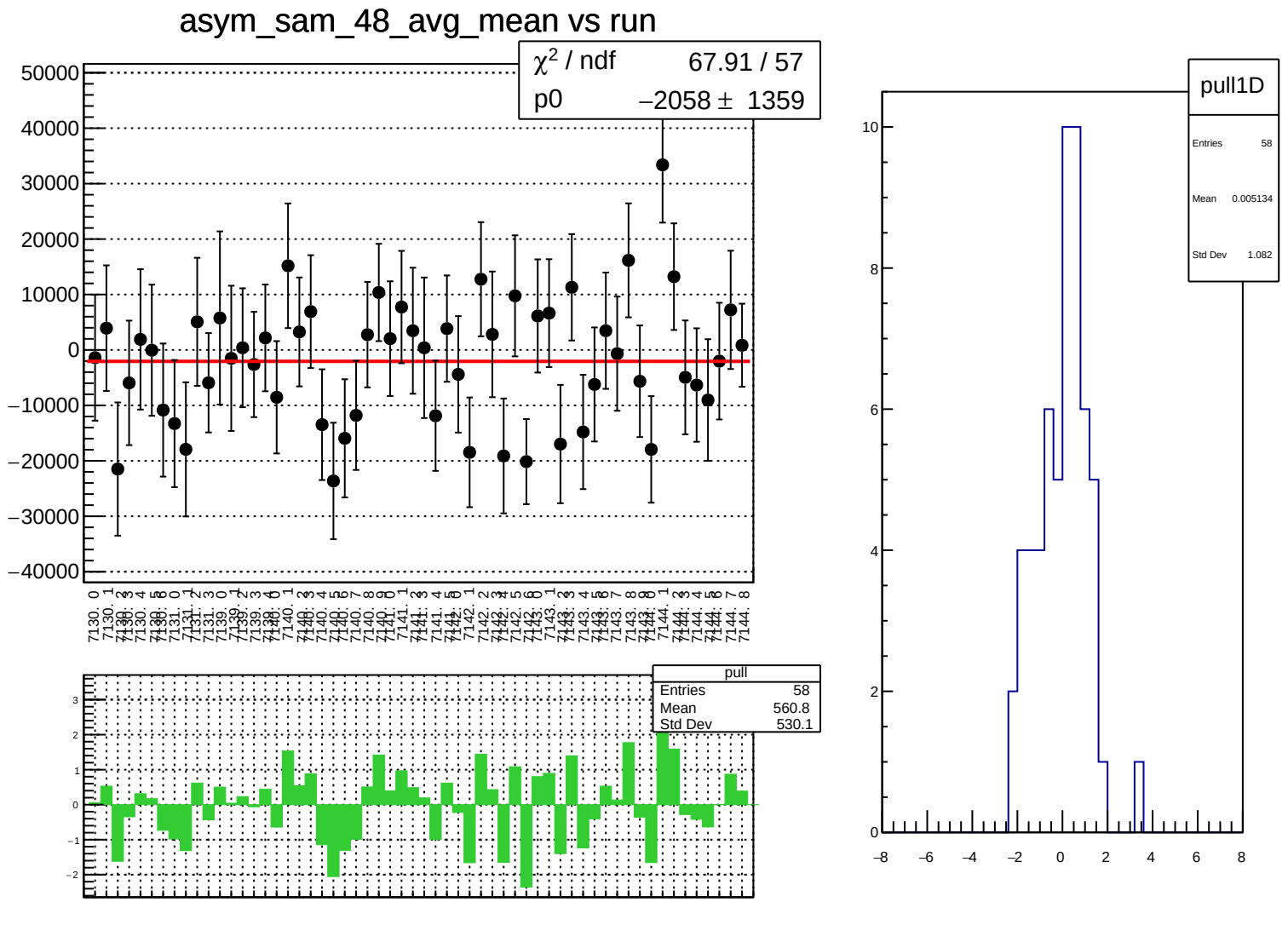

asym_sam_37_avg_rms vs run
χ² / ndf 6131 / 57
p0 474.1 ± 0.4517
650
600
550
500
450
400

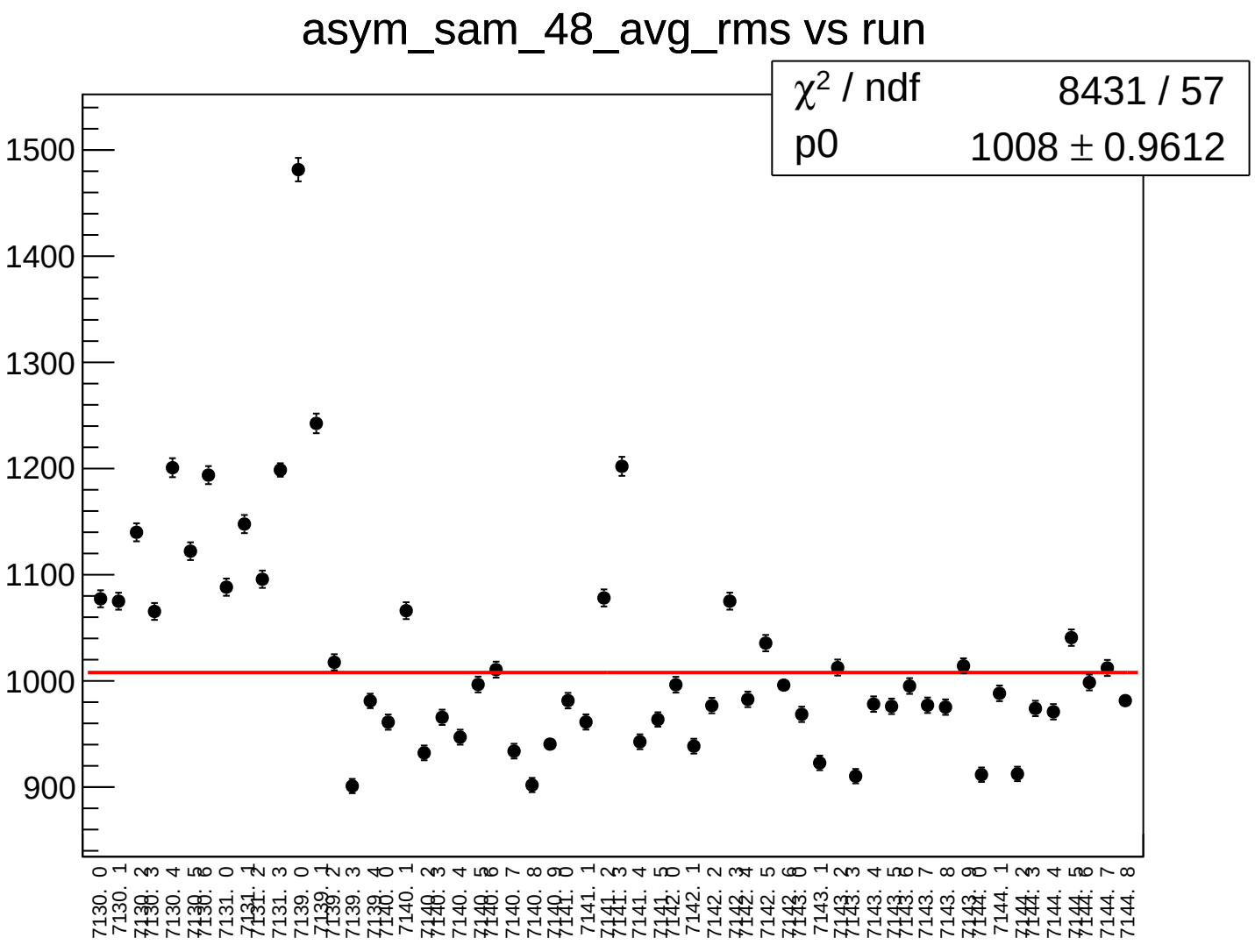

dit_asym_sam_48_avg_mean vs run
χ² / ndf 76.49 / 57
p0 −64.7 ± 278.9
pull
Entries 58
Mean 44.35
Std Dev 18.14
pull1D
Entries 58
Mean −0.08458
Std Dev 1.145

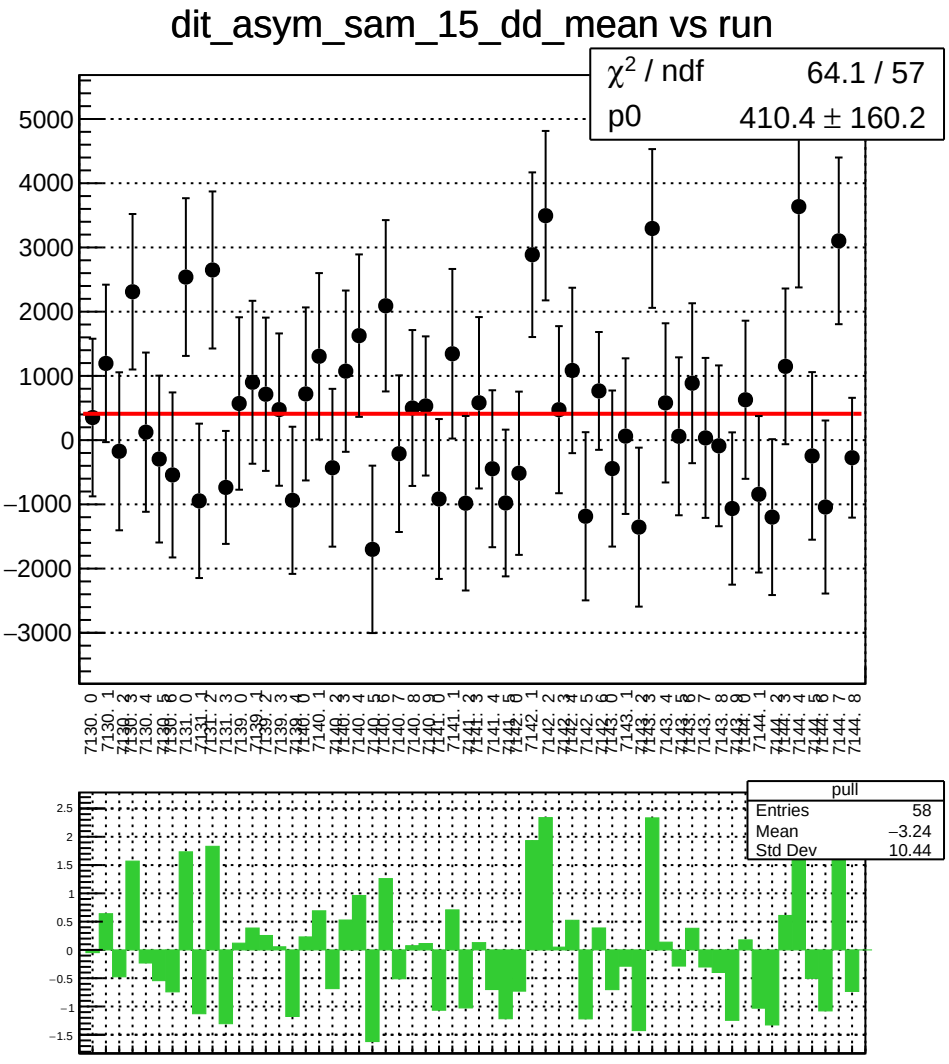

dit_asym_sam_48_avg_rms vs run
χ2 / ndf 9.631e+04 / 57
p0 198.4 ± 0.1972
400
350
300
250
200
150

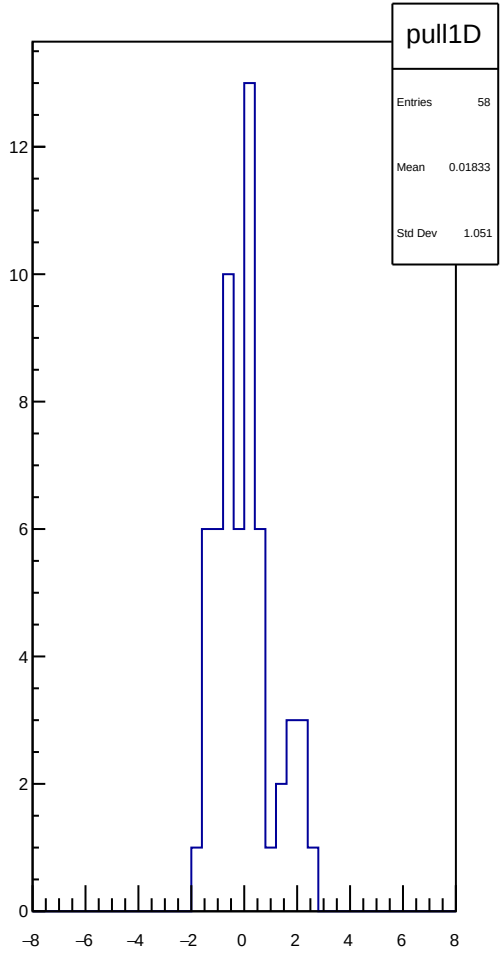

asym_sam_48_avg_correction_mean vs run
χ² / ndf 68.06 / 57
p0 1558 ± 1401
pull
Entries 58
Mean 419
Std Dev 387.3
pull1D
Entries 58
Mean −0.007814
Std Dev 1.083

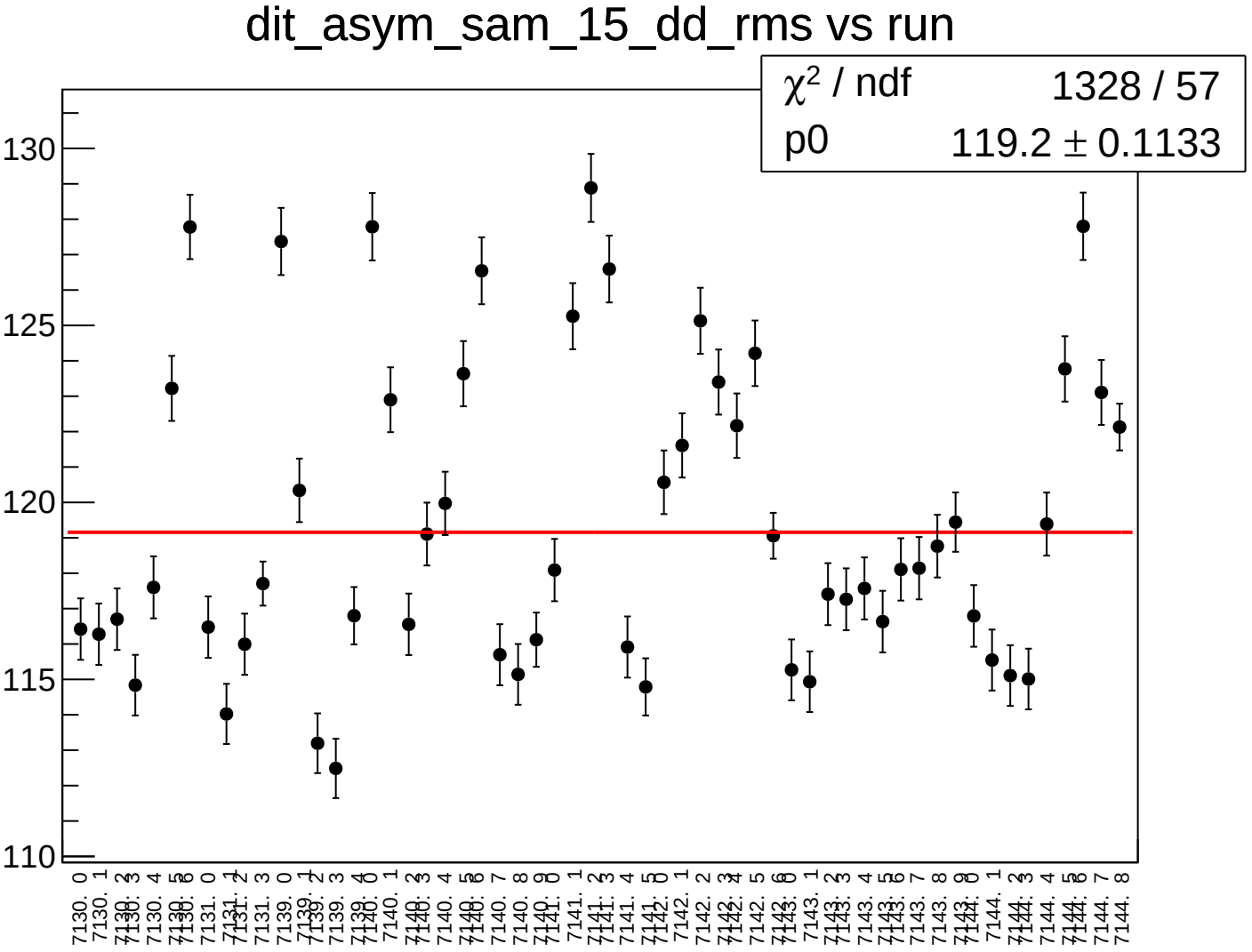

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4898 / 57
p0 1040 ± 0.9907
1250
1200
1150
1100
1050
1000
950
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

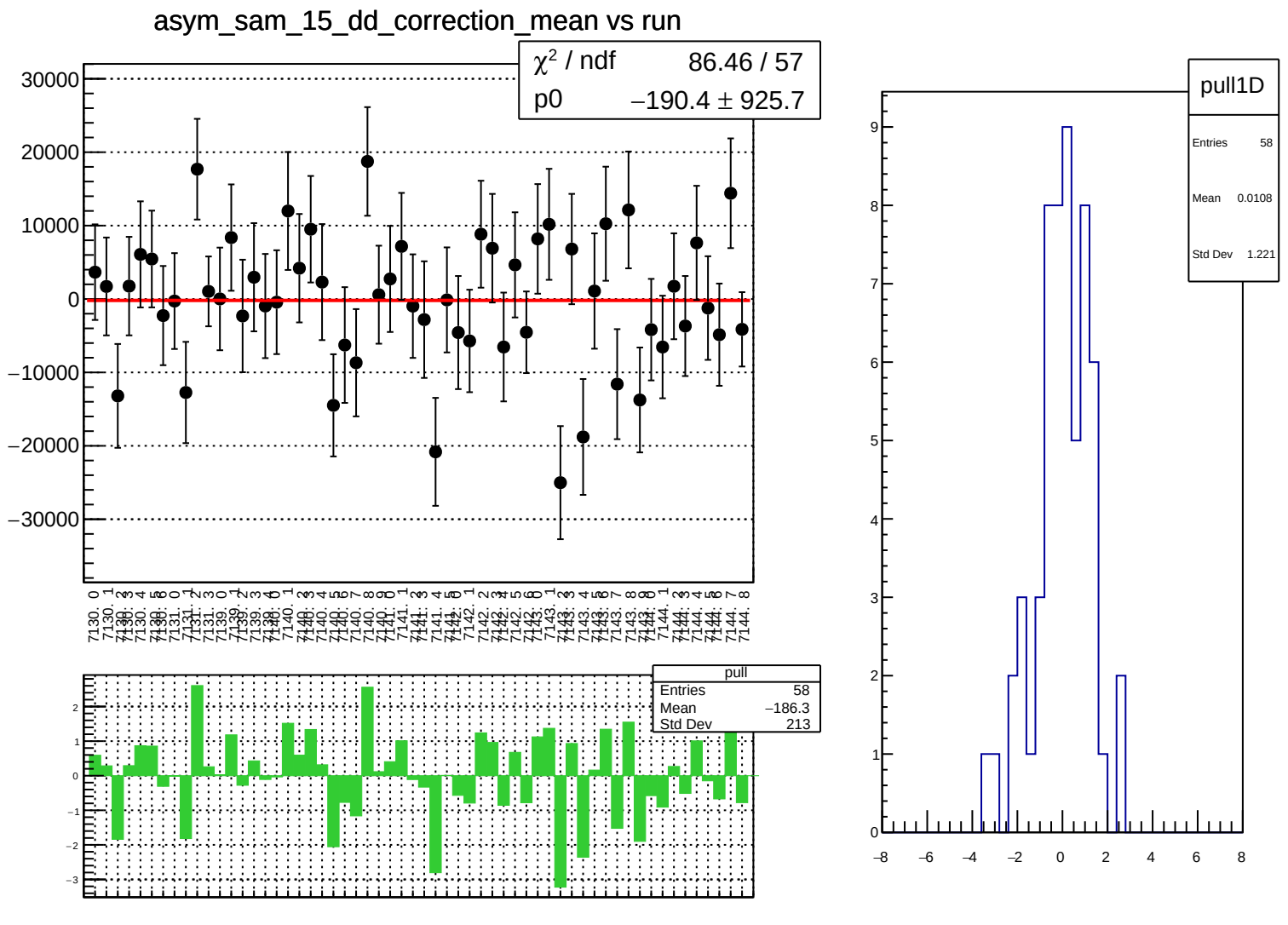

asym_sam_48_avg_mean vs run
χ² / ndf 67.91 / 57
p0 −2058 ± 1359
pull
Entries 58
Mean 560.8
Std Dev 530.1
pull1D
Entries 58
Mean 0.005134
Std Dev 1.082

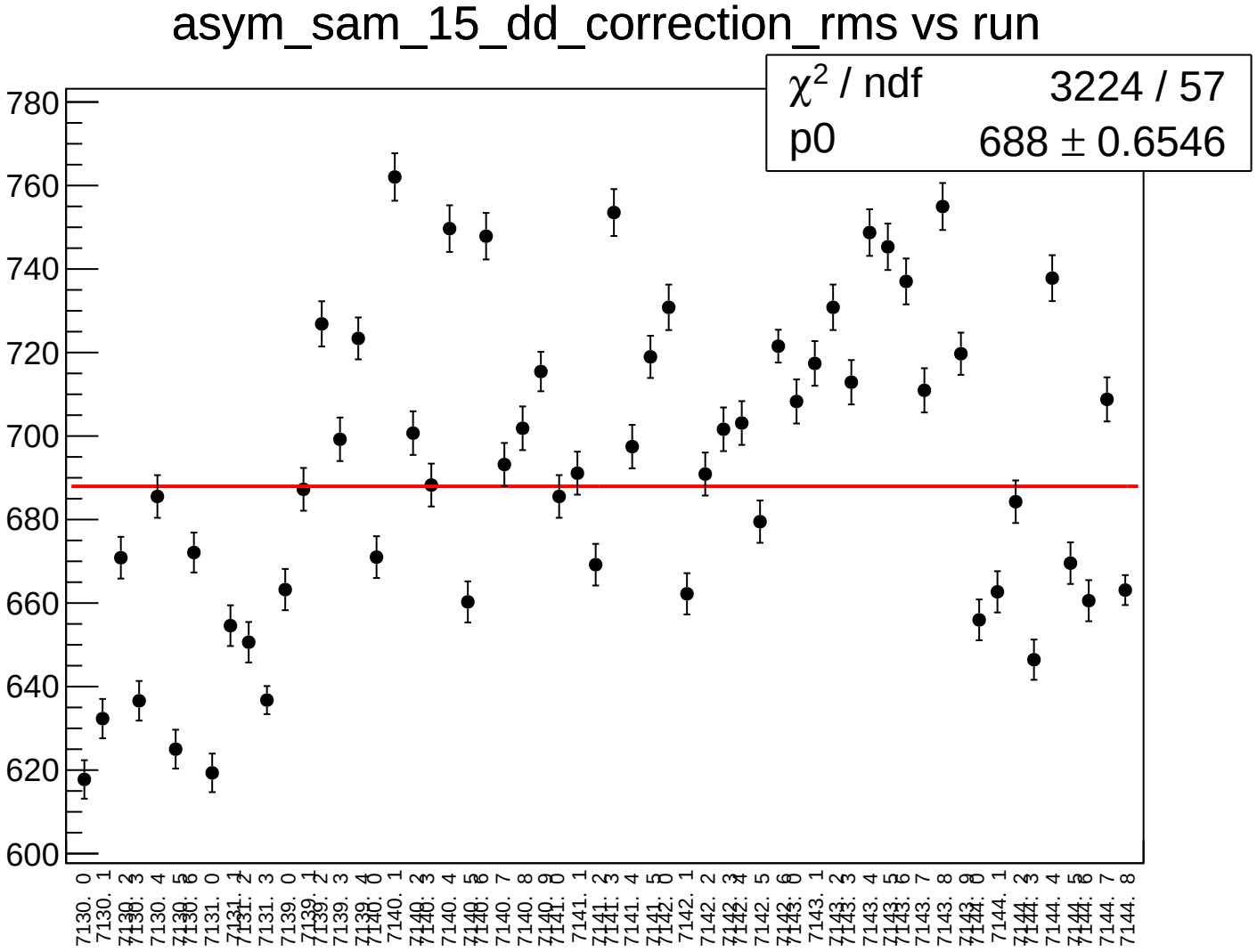

asym_sam_48_avg_rms vs run
χ² / ndf 8431 / 57
p0 1008 ± 0.9612
1500
1400
1300
1200
1100
1000
900

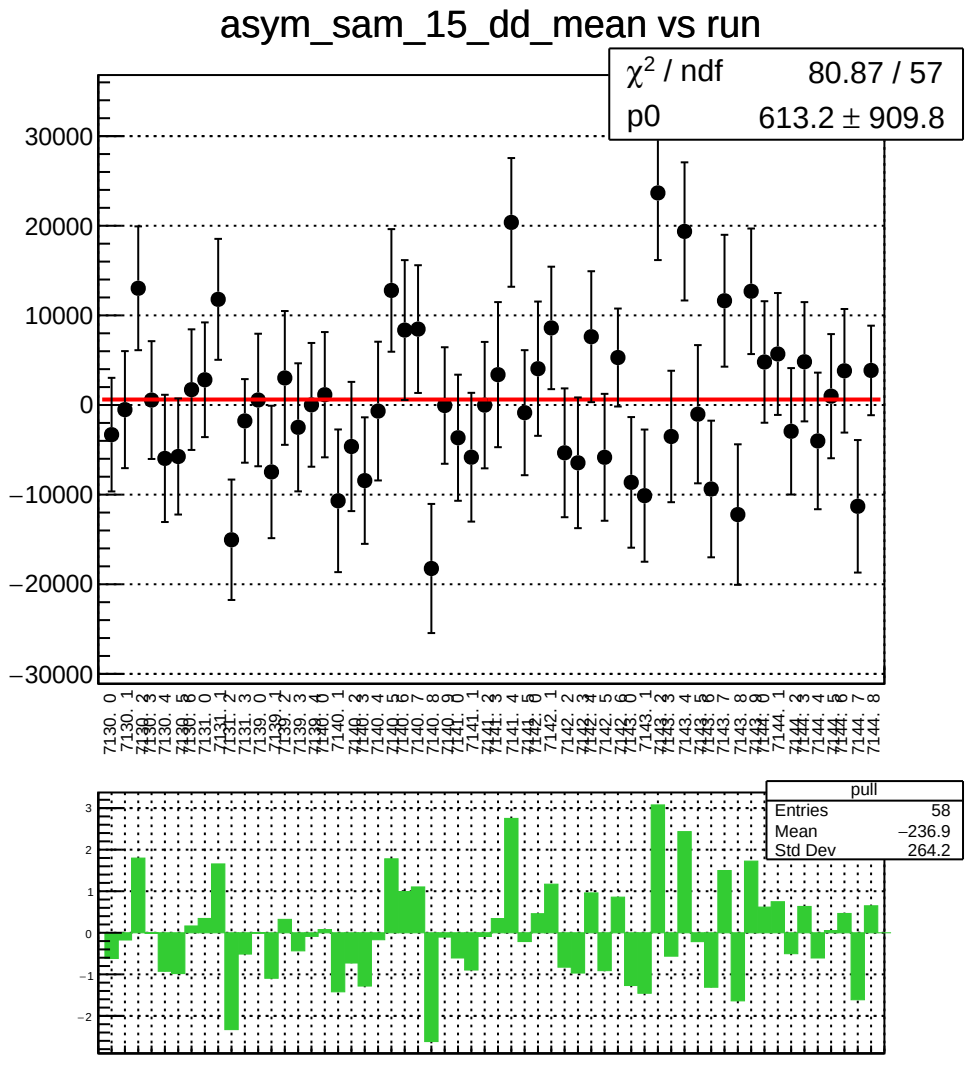

dit_asym_sam_15_dd_mean vs run
χ² / ndf 64.1 / 57
p0 410.4 ± 160.2
pull
Entries 58
Mean −3.24
Std Dev 10.44

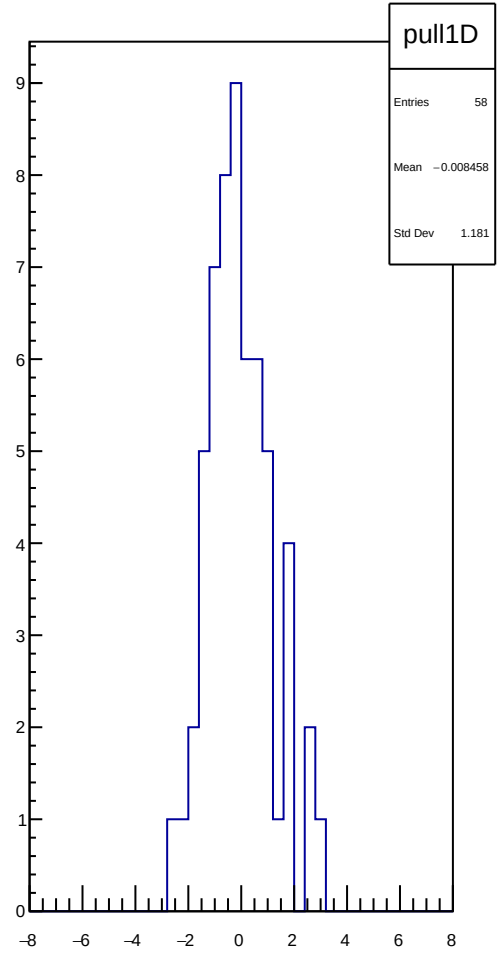

pull1D
Entries 58
Mean 0.01833
Std Dev 1.051

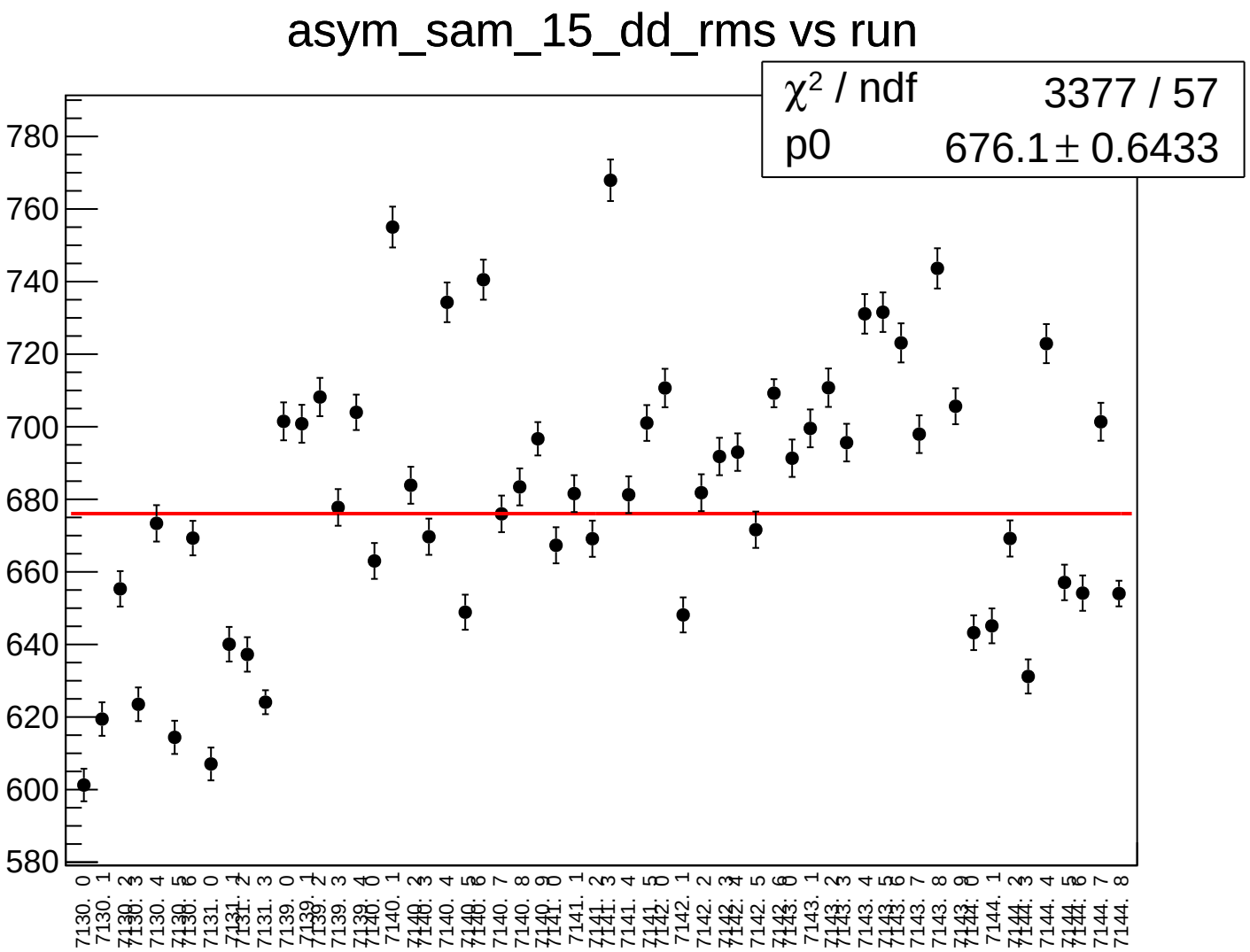

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1328 / 57
p0 119.2 ± 0.1133
130
125
120
115
110

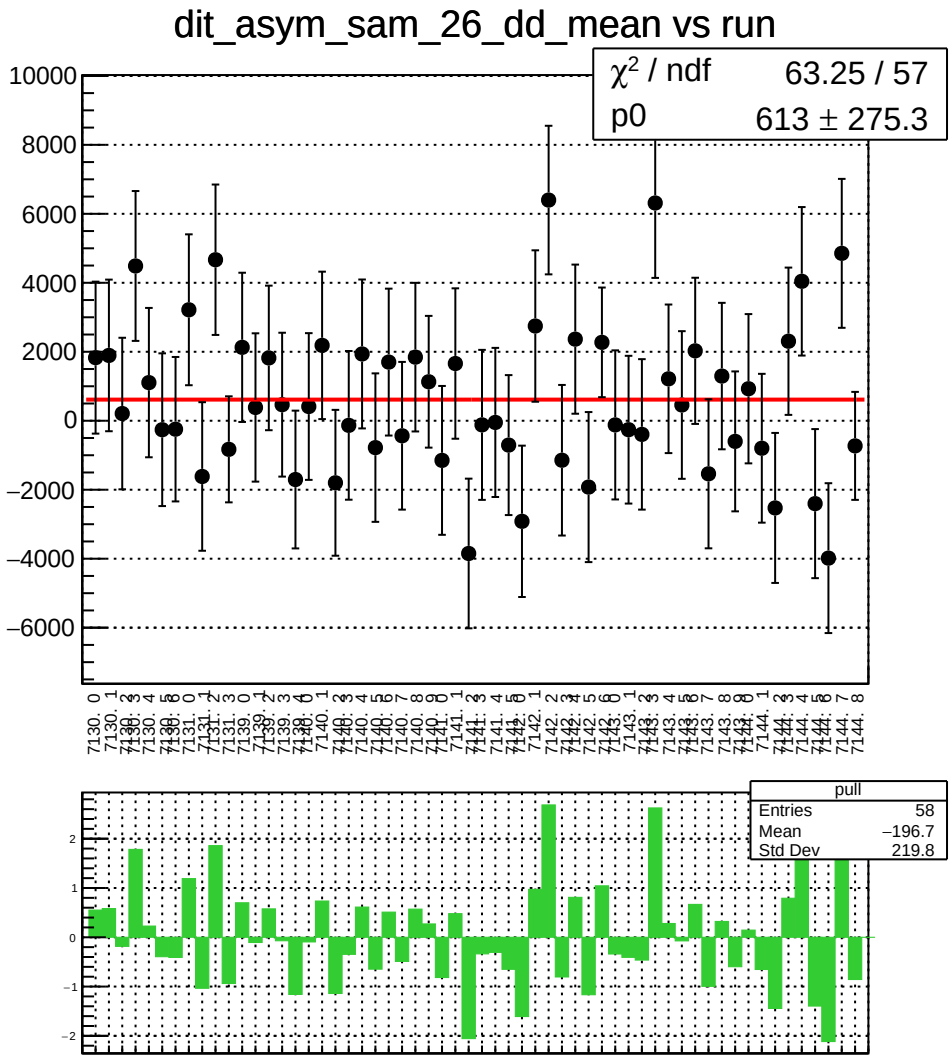

asym_sam_15_dd_correction_mean vs run
χ² / ndf 86.46 / 57
p0 −190.4 ± 925.7
pull
Entries 58
Mean −186.3
Std Dev 213
pull1D
Entries 58
Mean 0.0108
Std Dev 1.221

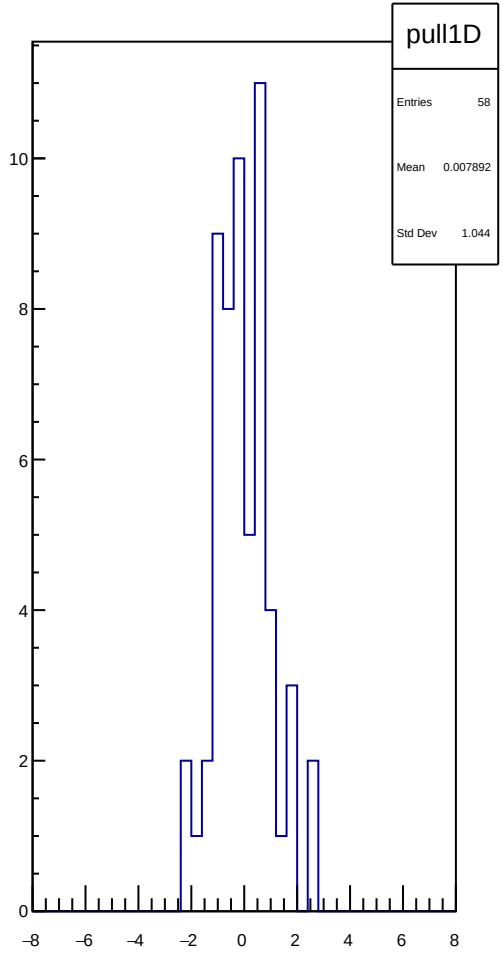

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3224 / 57
p0 688 ± 0.6546
780
760
740
720
700
680
660
640
620
600

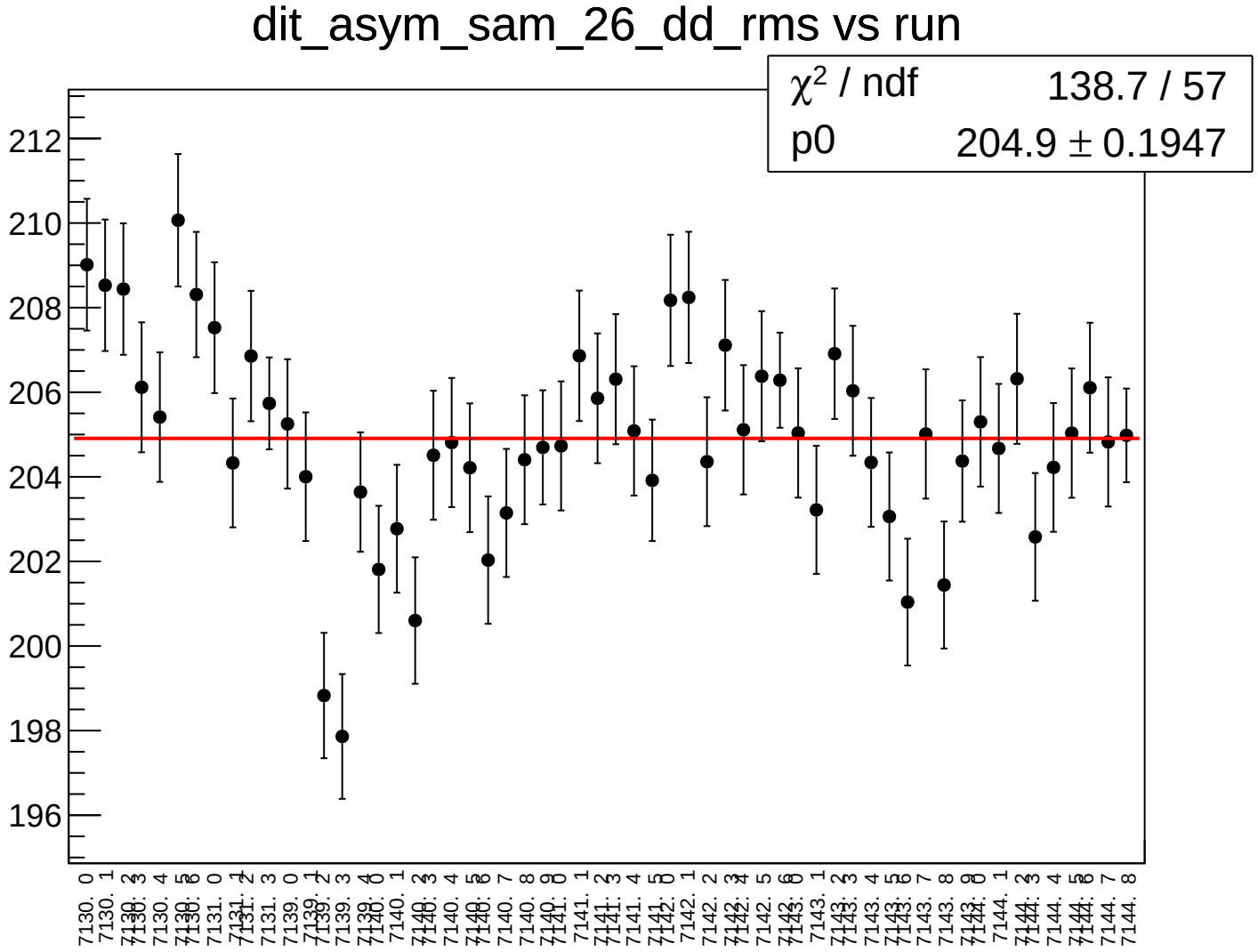

asym_sam_15_dd_mean vs run
χ² / ndf 80.87 / 57
p0 613.2 ± 909.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 58
Mean −236.9
Std Dev 264.2
3
2
1
0
−1
−2

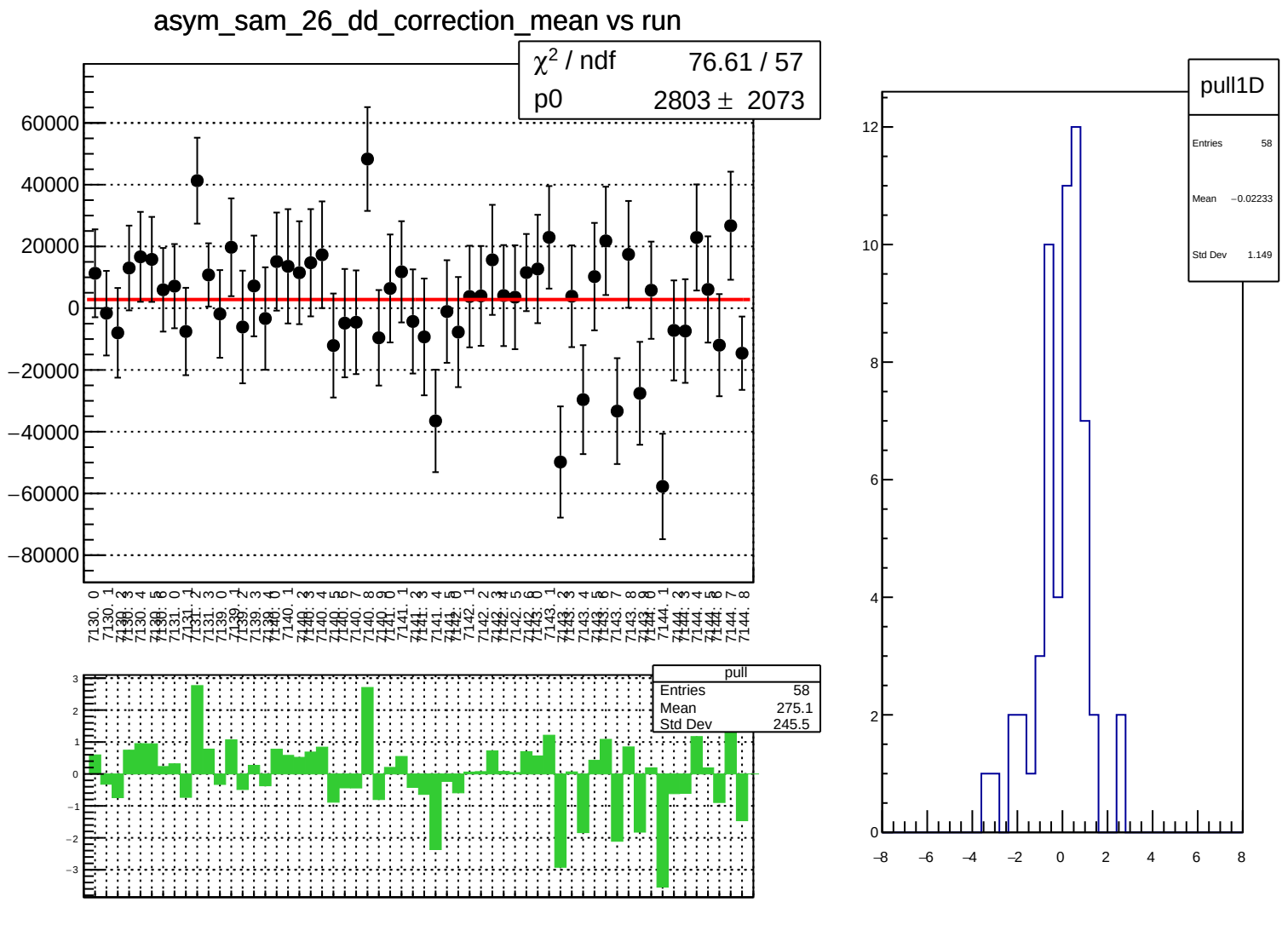

pull1D
Entries 58
Mean −0.008458
Std Dev 1.181
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_rms vs run
χ² / ndf 3377 / 57
p0 676.1 ± 0.6433
780
760
740
720
700
680
660
640
620
600
580

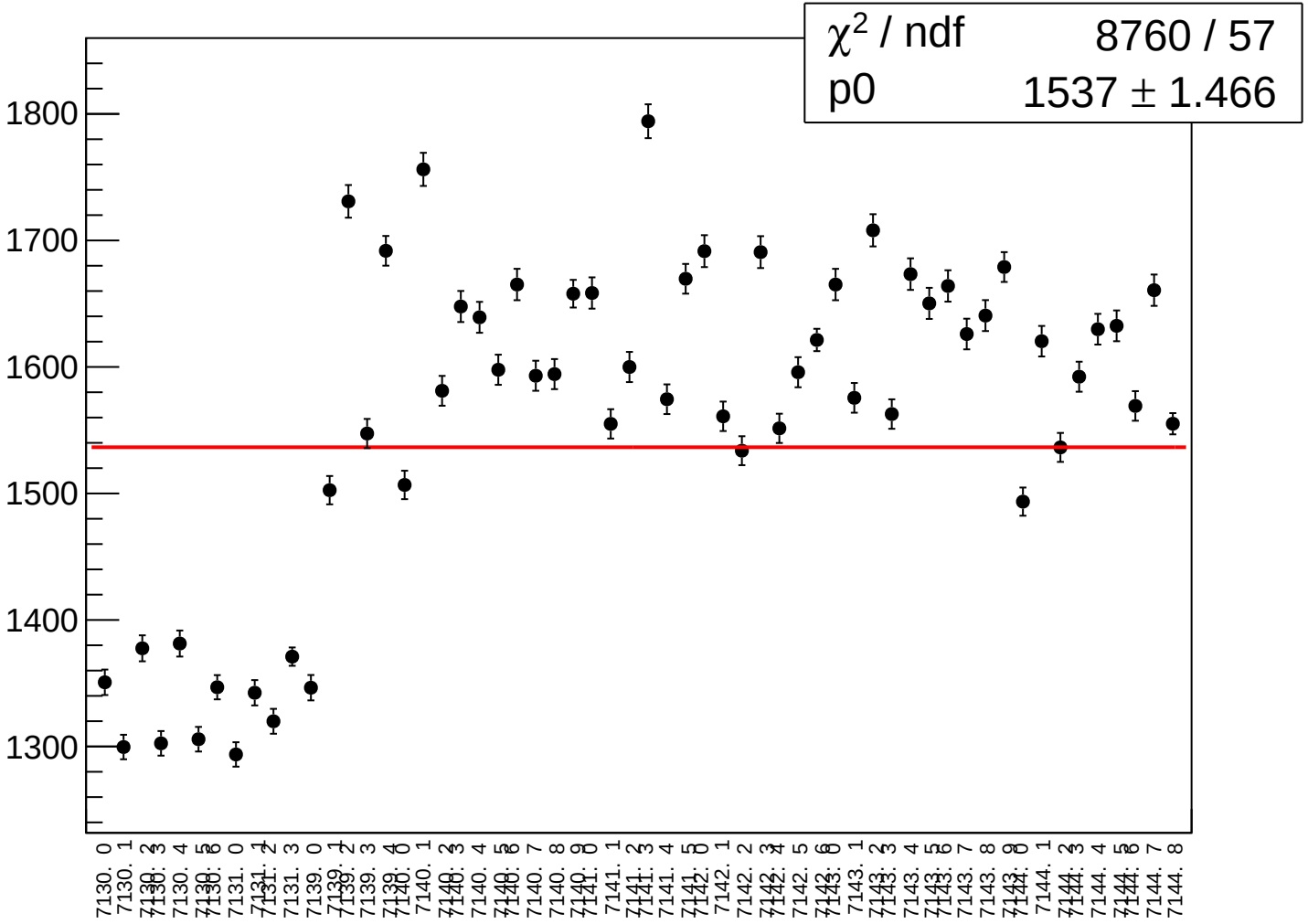

dit_asym_sam_26_dd_mean vs run
χ² / ndf 63.25 / 57
p0 613 ± 275.3
pull
Entries 58
Mean −196.7
Std Dev 219.8

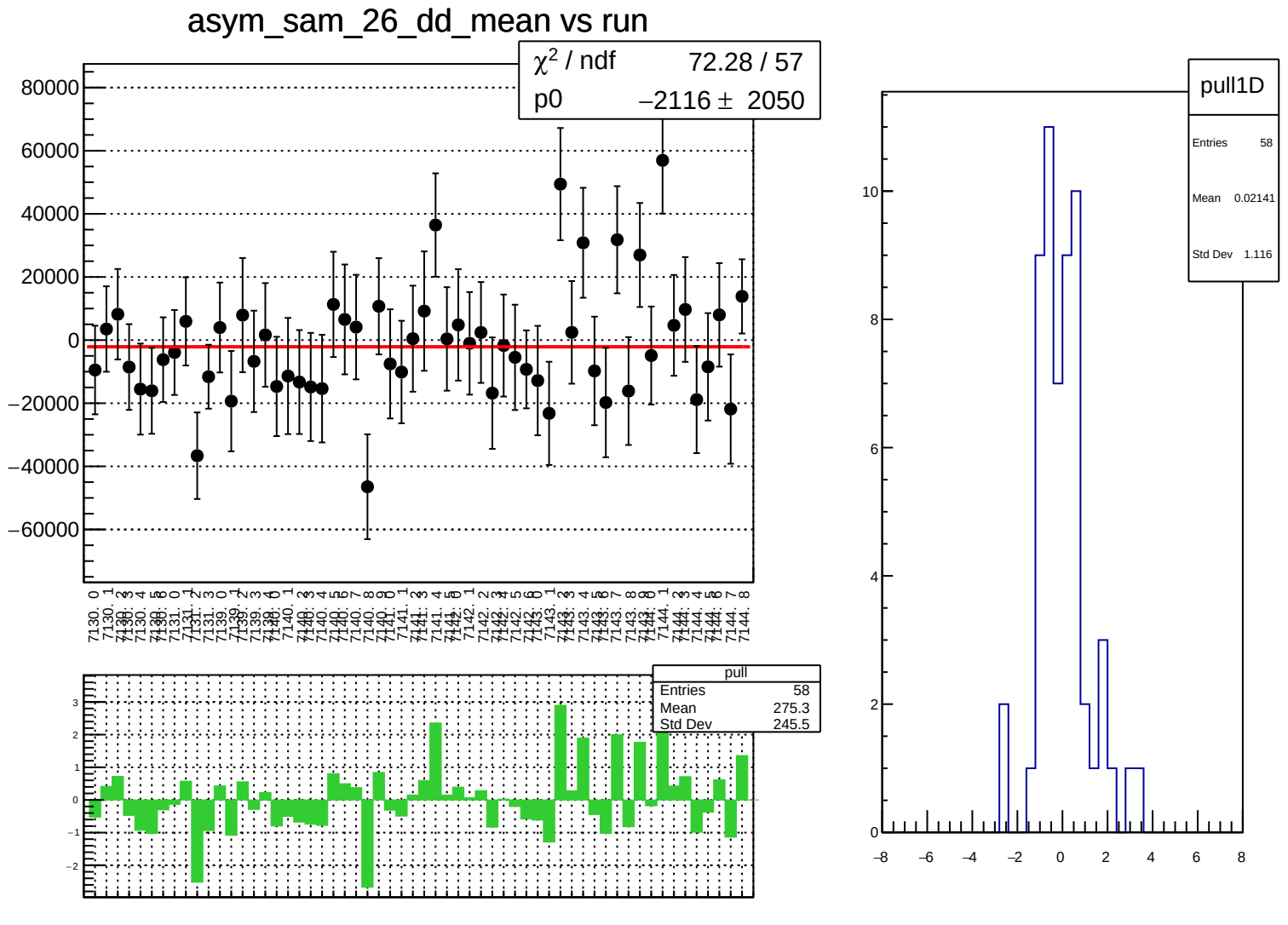

pull1D
Entries 58
Mean 0.007892
Std Dev 1.044

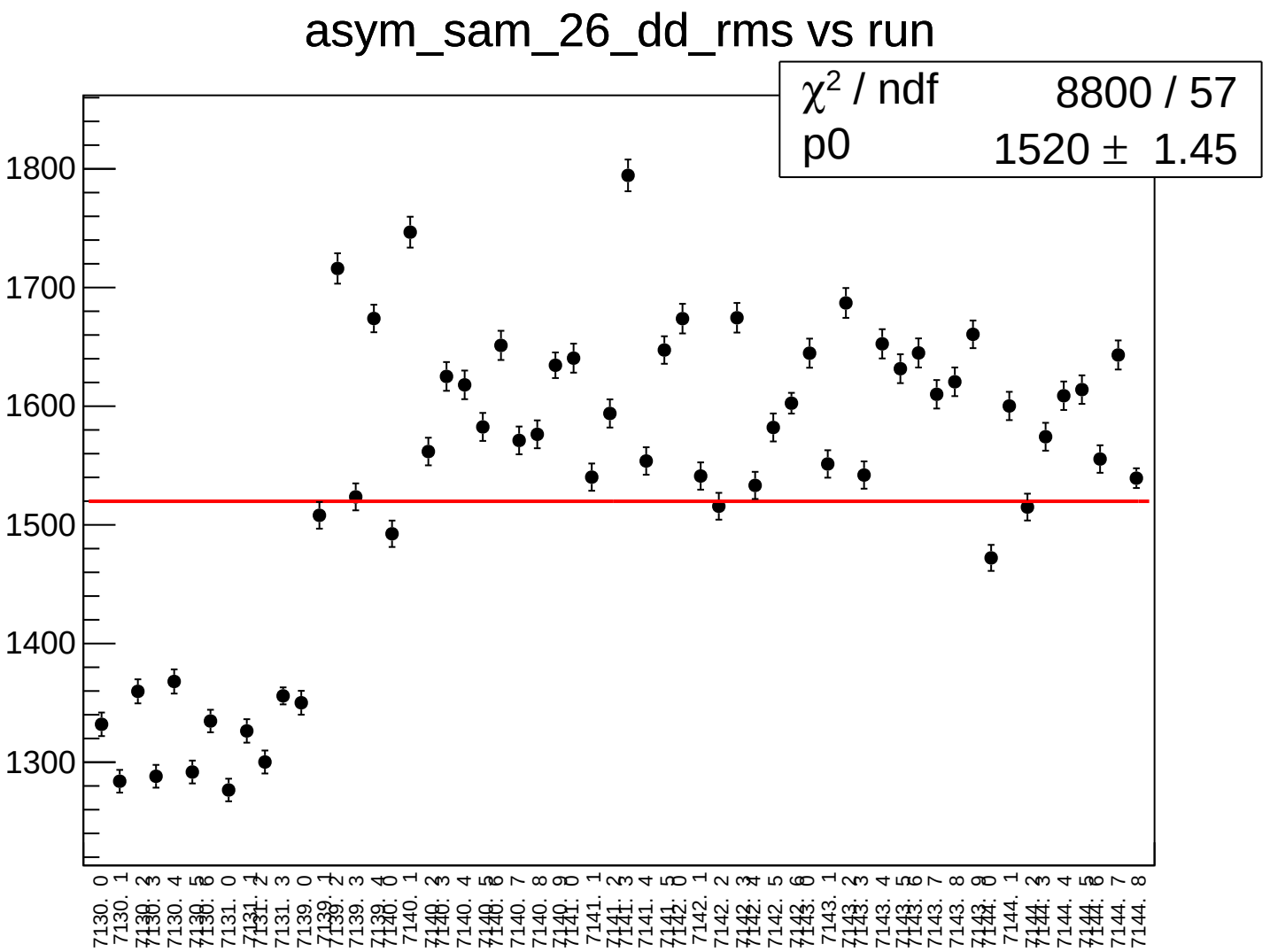

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 138.7 / 57
p0 204.9 ± 0.1947
212
210
208
206
204
202
200
198
196
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

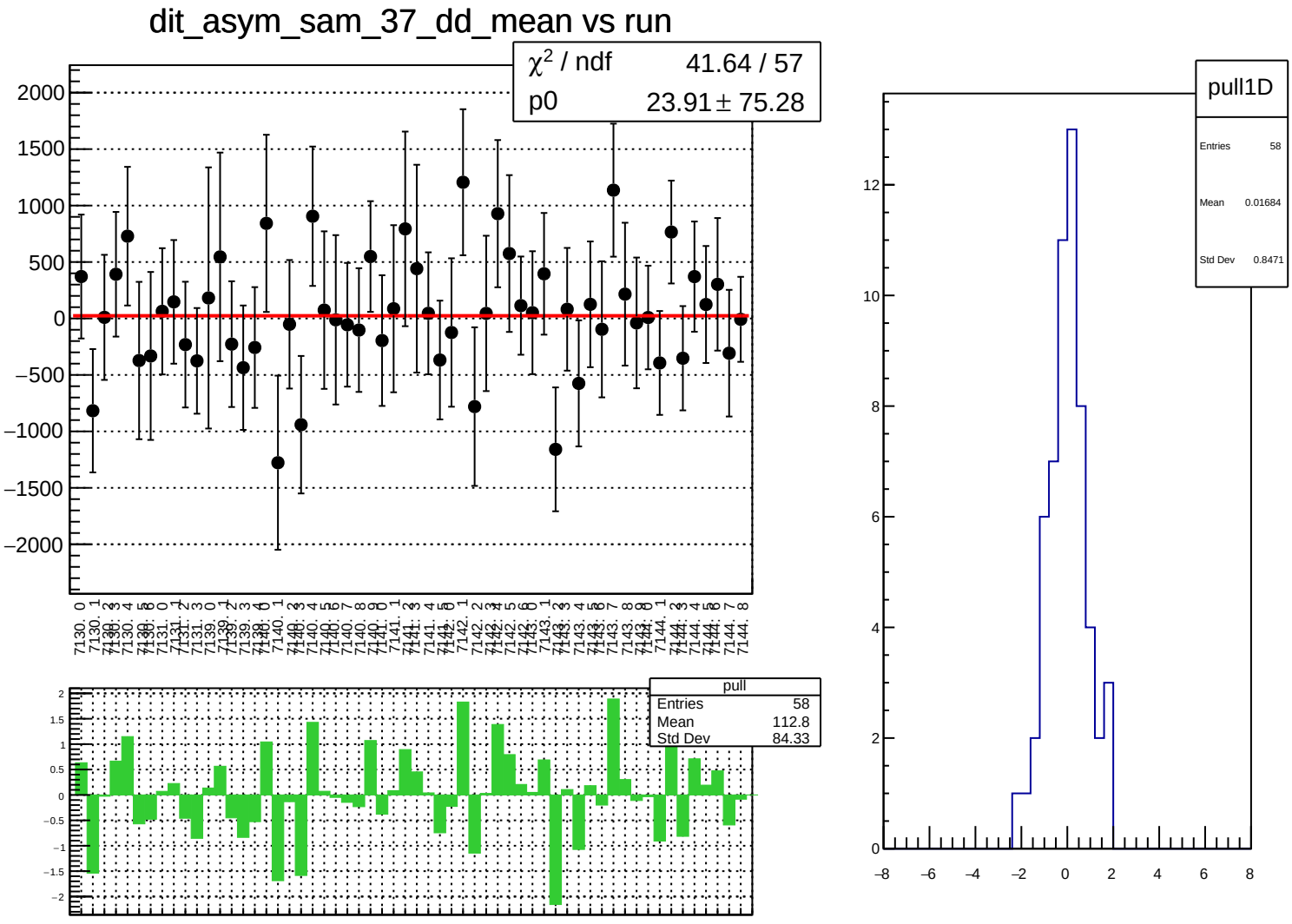

asym_sam_26_dd_correction_mean vs run
χ² / ndf 76.61 / 57
p0 2803 ± 2073
pull
Entries 58
Mean 275.1
Std Dev 245.5
pull1D
Entries 58
Mean −0.02233
Std Dev 1.149

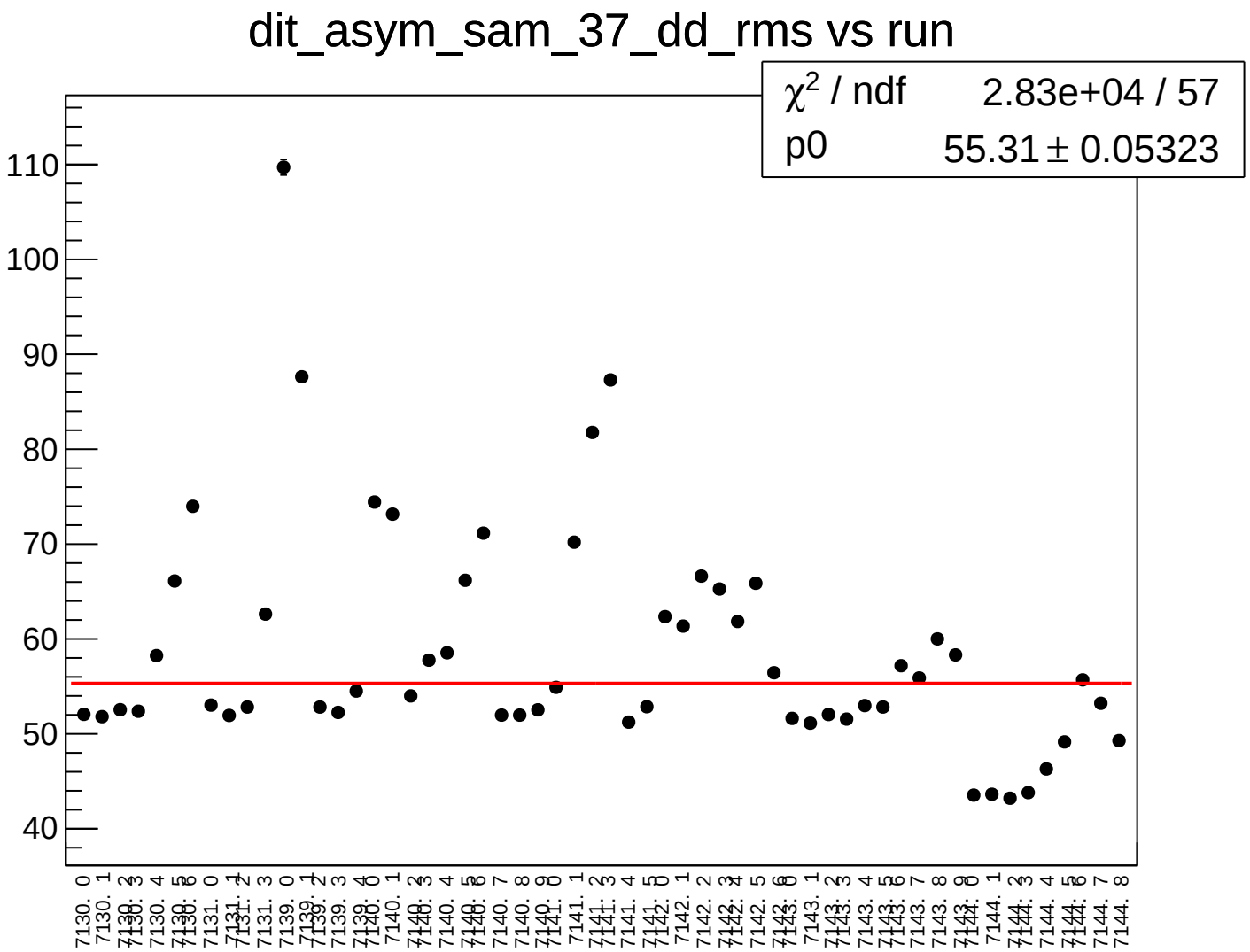
asym_sam_26_dd_correction_rms vs run

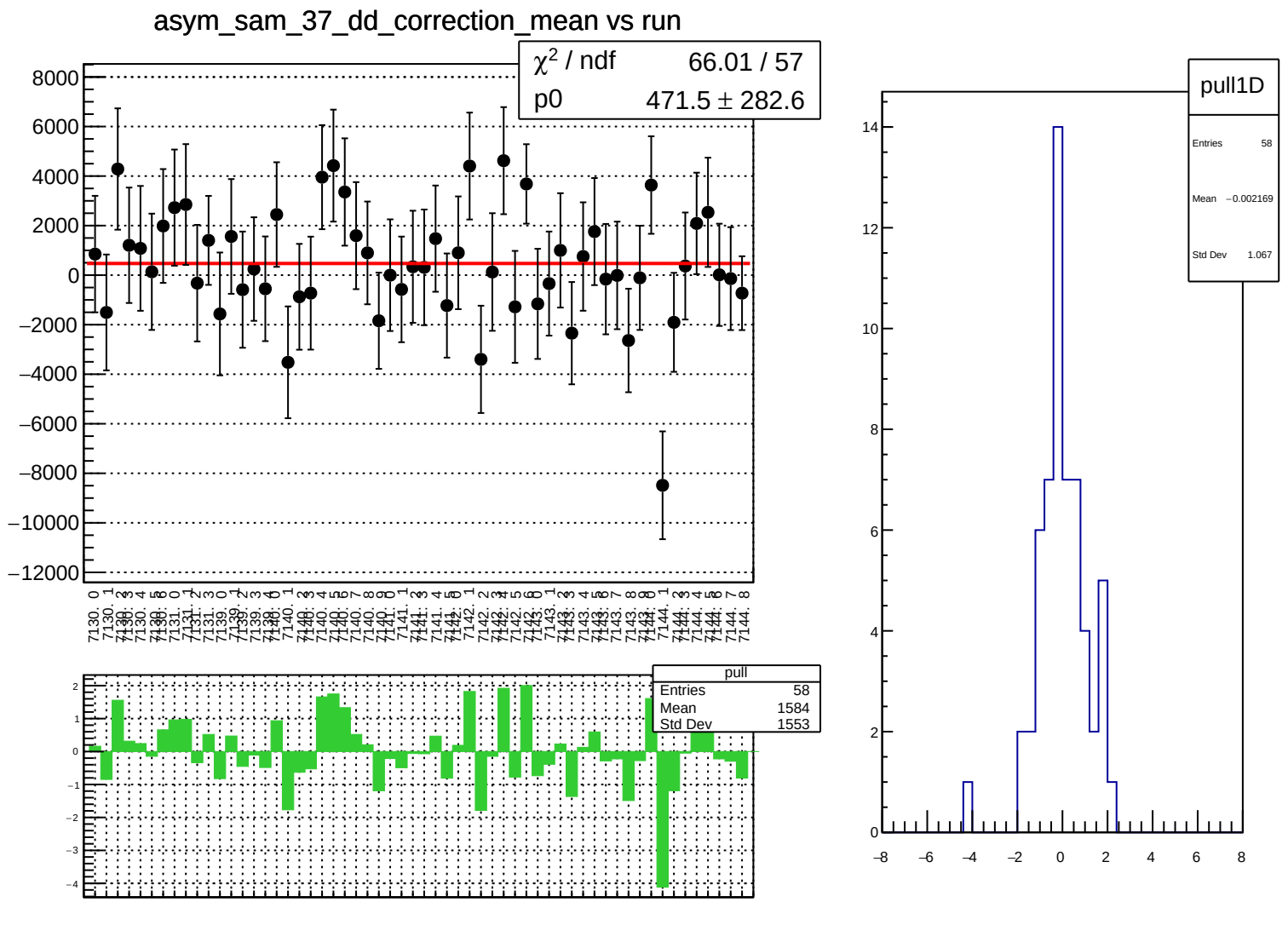


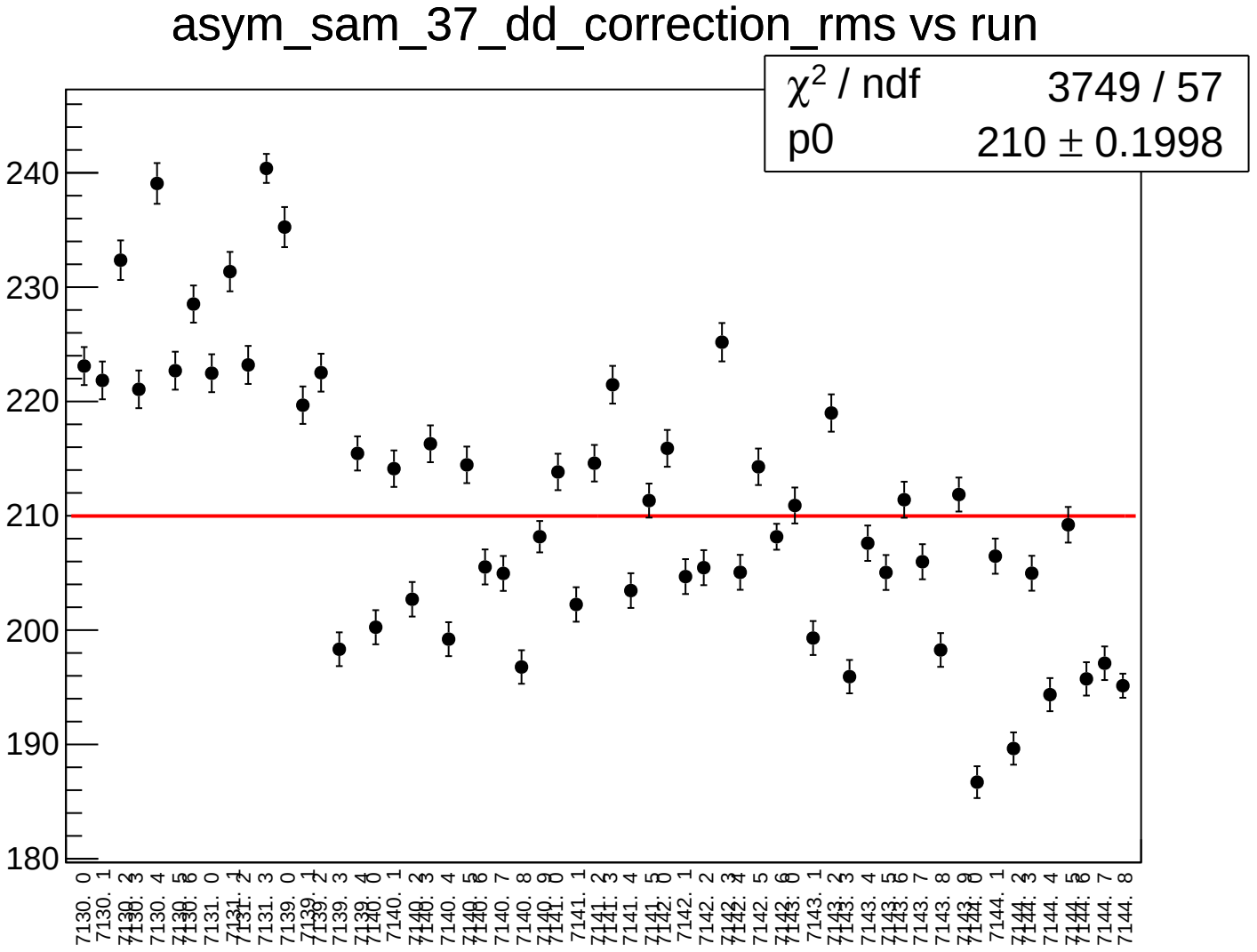

asym_sam_26_dd_mean vs run
χ² / ndf 72.28 / 57
p0 −2116 ± 2050
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 275.3
Std Dev 245.5
pull1D
Entries 58
Mean 0.02141
Std Dev 1.116

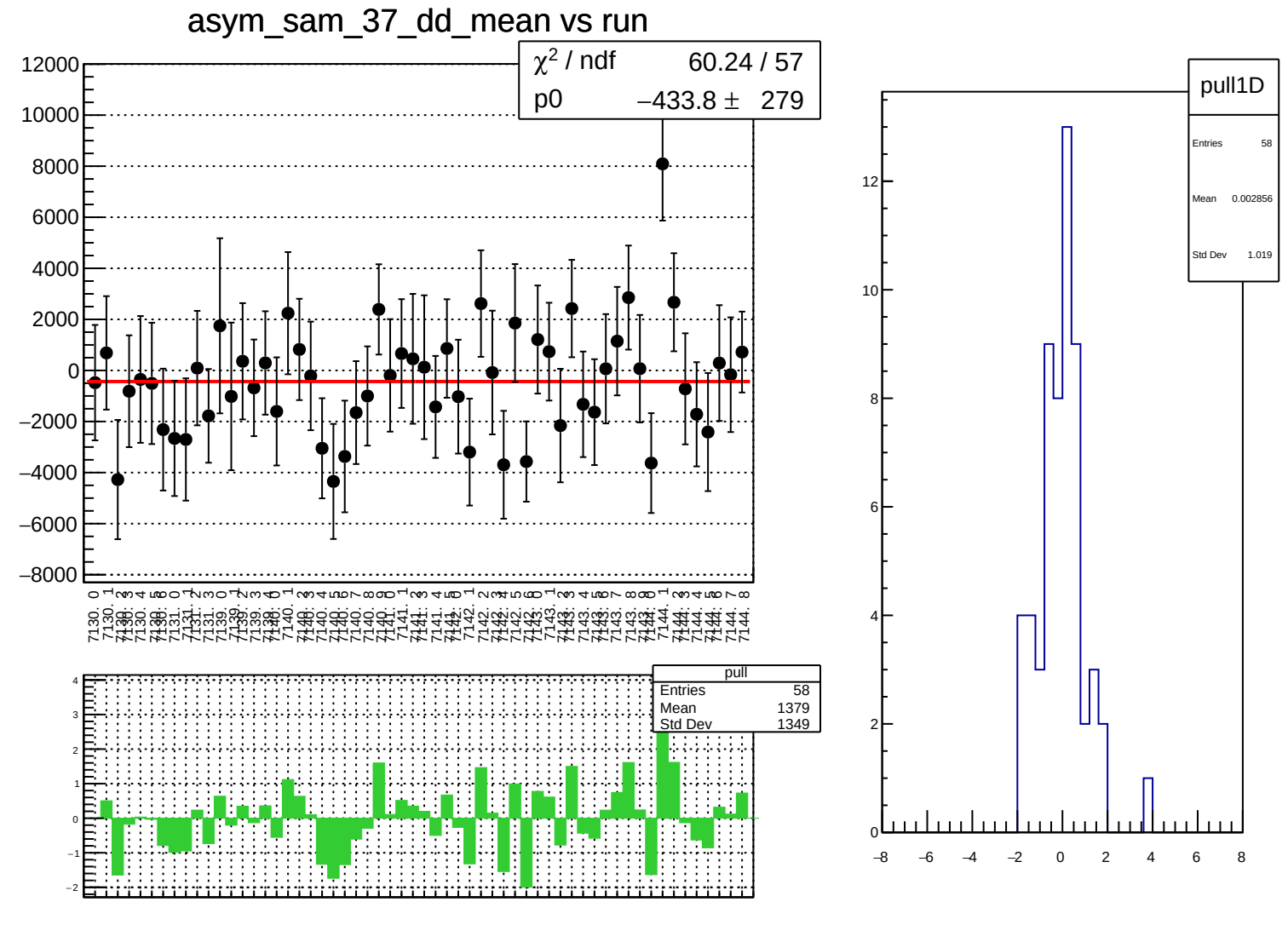

asym_sam_26_dd_rms vs run
χ² / ndf 8800 / 57
p0 1520 ± 1.45
1800
1700
1600
1500
1400
1300

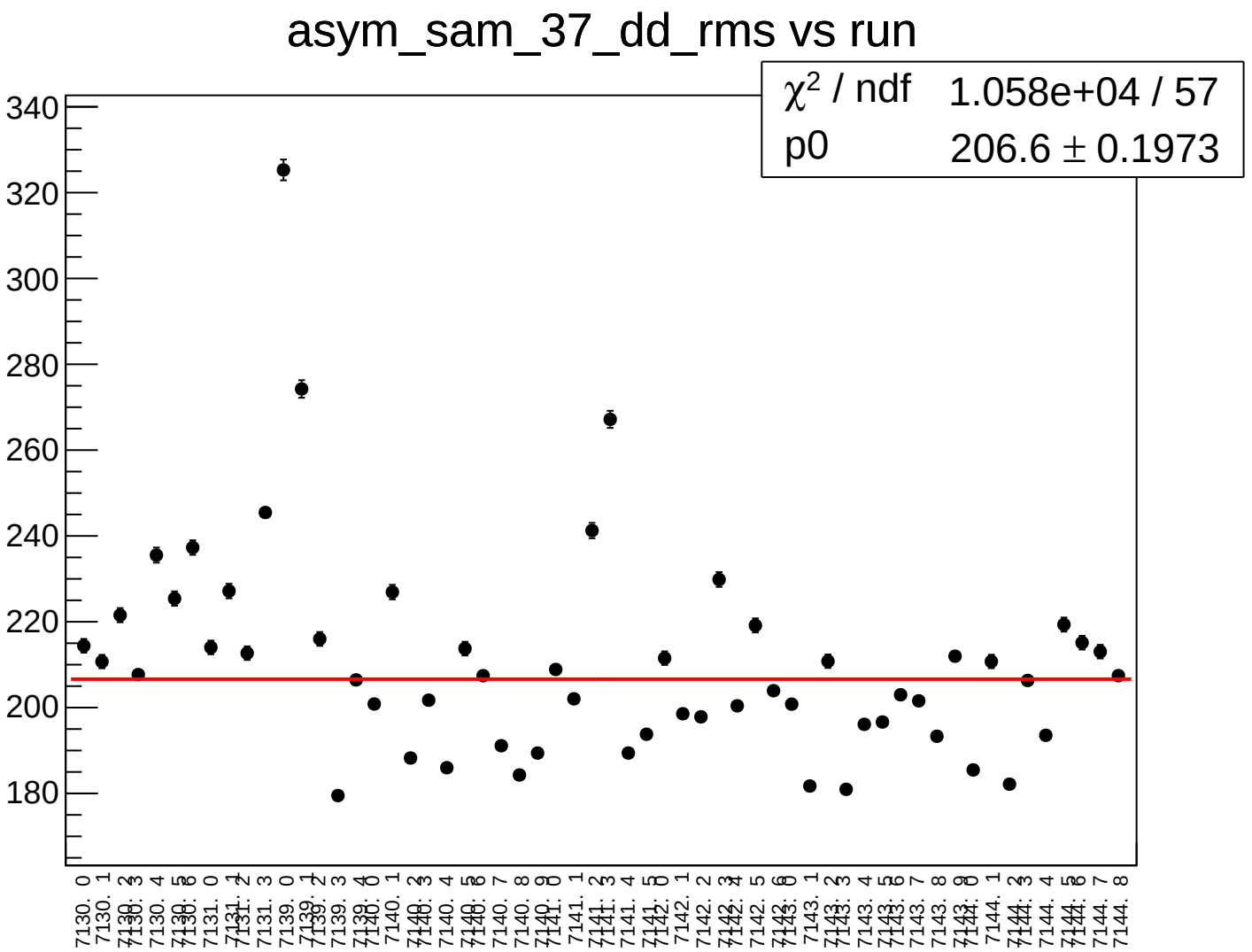

dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 41.64 / 57
p0 23.91 ± 75.28
pull
Entries 58
Mean 112.8
Std Dev 84.33
pull1D
Entries 58
Mean 0.01684
Std Dev 0.8471

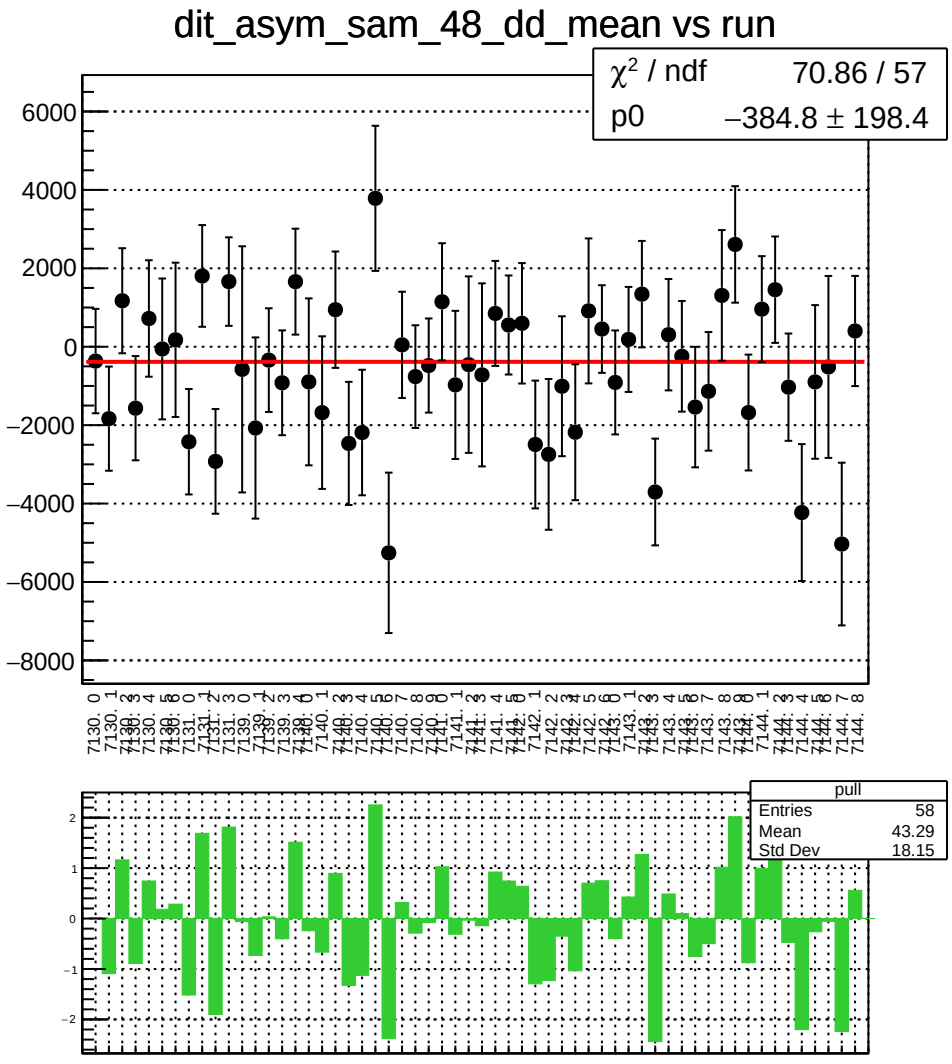

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 2.83e+04 / 57
p0 55.31 ± 0.05323
110
100
90
80
70
60
50
40

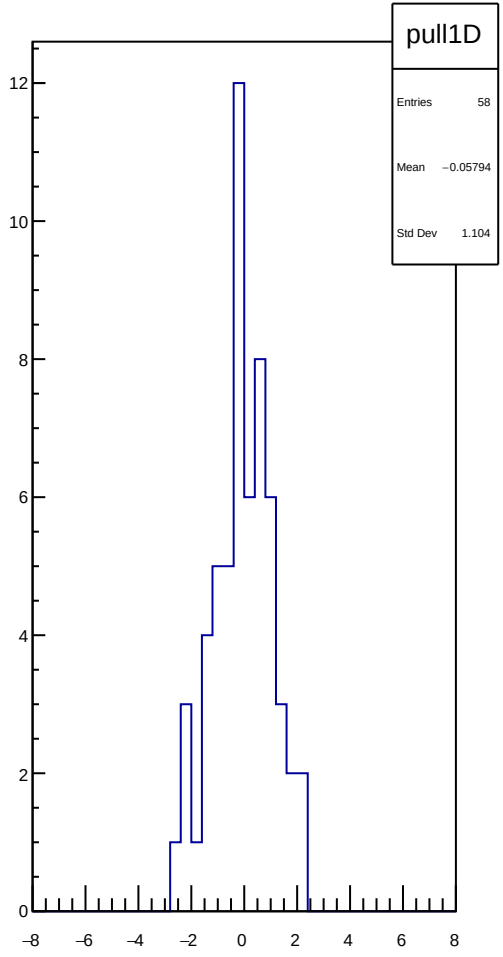

asym_sam_37_dd_correction_mean vs run
χ² / ndf 66.01 / 57
p0 471.5 ± 282.6
pull
Entries 58
Mean 1584
Std Dev 1553
pull1D
Entries 58
Mean −0.002169
Std Dev 1.067

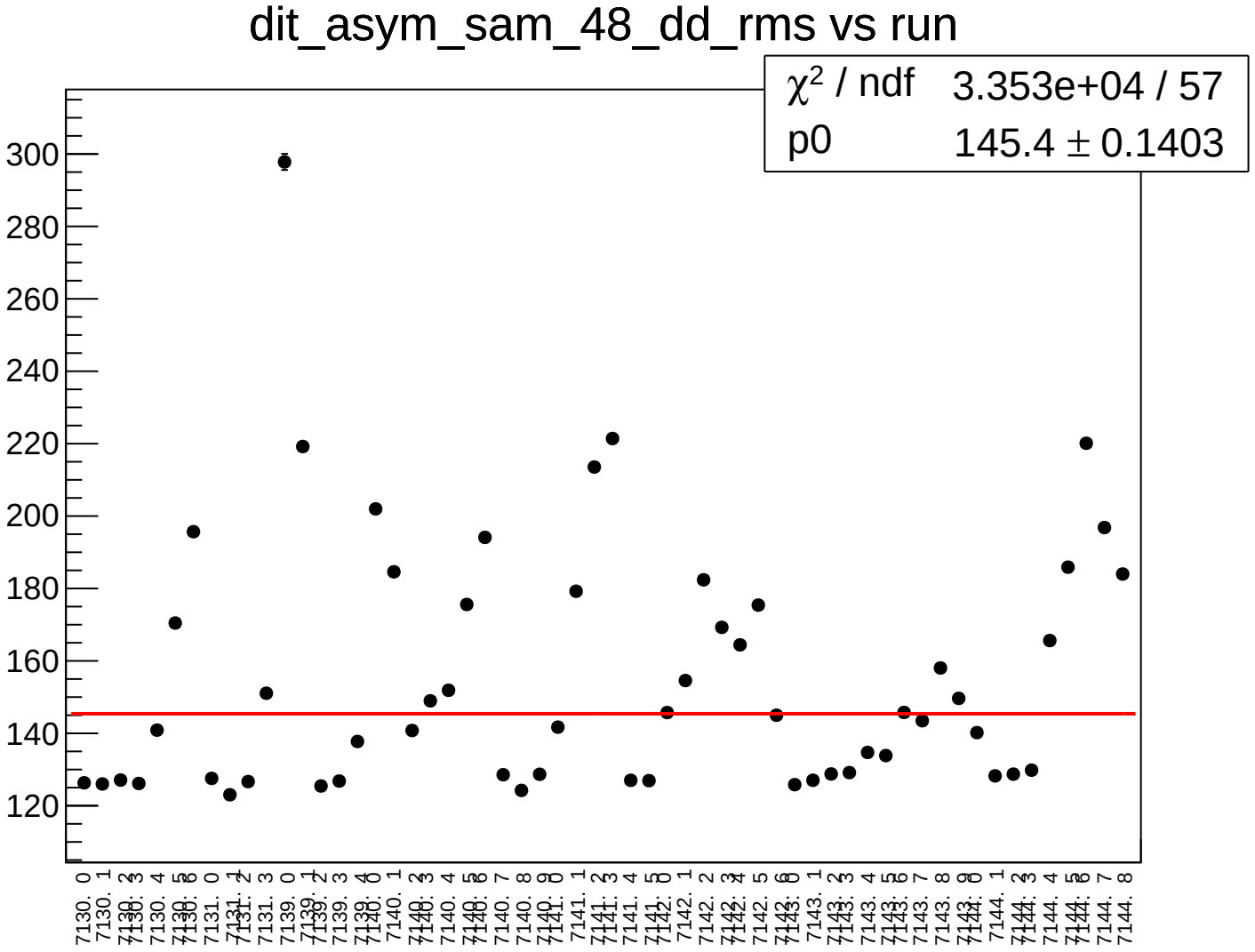

asym_sam_37_dd_correction_rms vs run
χ2 / ndf 3749 / 57
p0 210 ± 0.1998
240
230
220
210
200
190
180

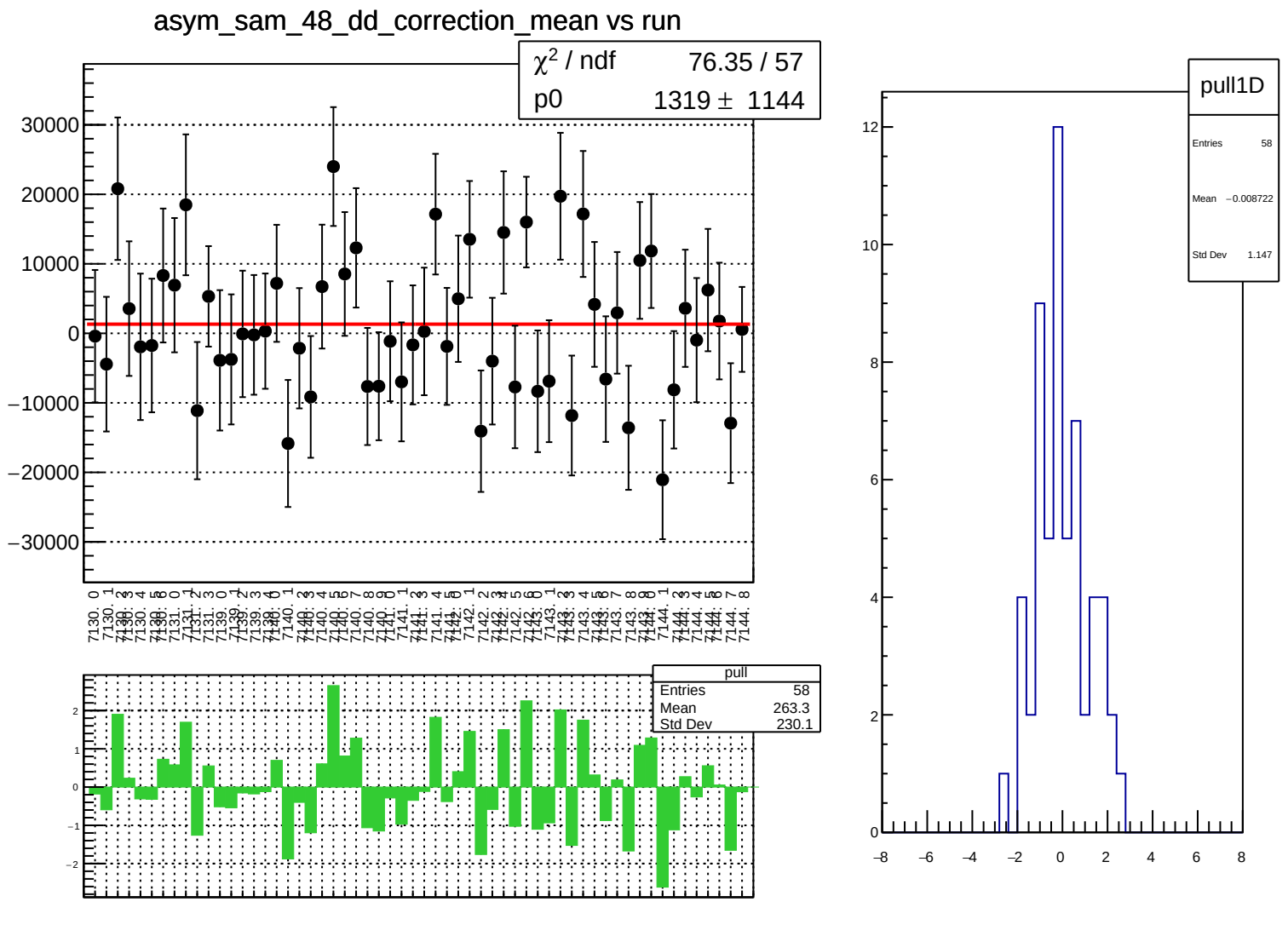

asym_sam_37_dd_mean vs run
χ² / ndf 60.24 / 57
p0 −433.8 ± 279
pull
Entries 58
Mean 1379
Std Dev 1349
pull1D
Entries 58
Mean 0.002856
Std Dev 1.019

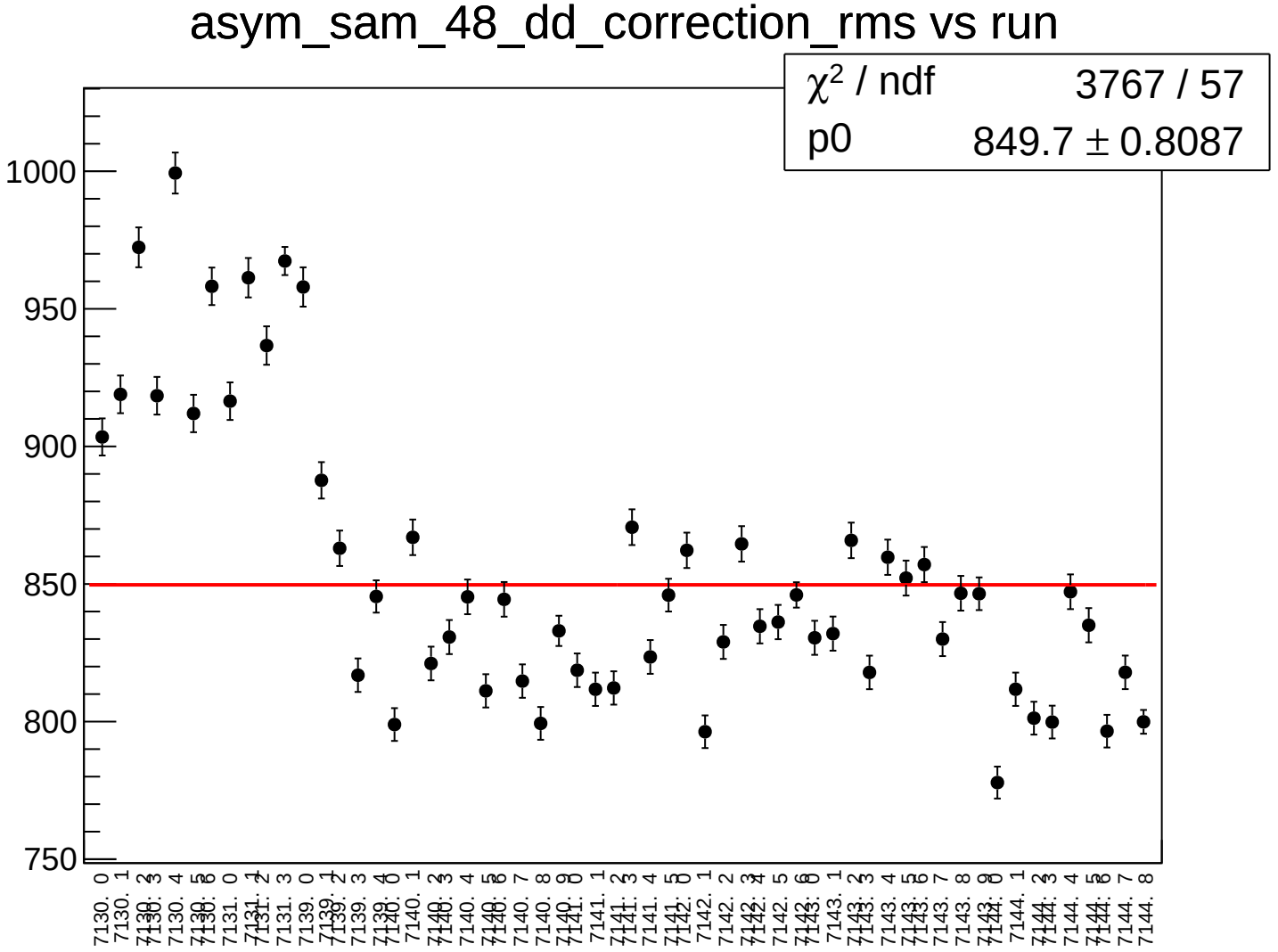

asym_sam_37_dd_rms vs run
χ² / ndf 1.058e+04 / 57
p0 206.6 ± 0.1973
340
320
300
280
260
240
220
200
180

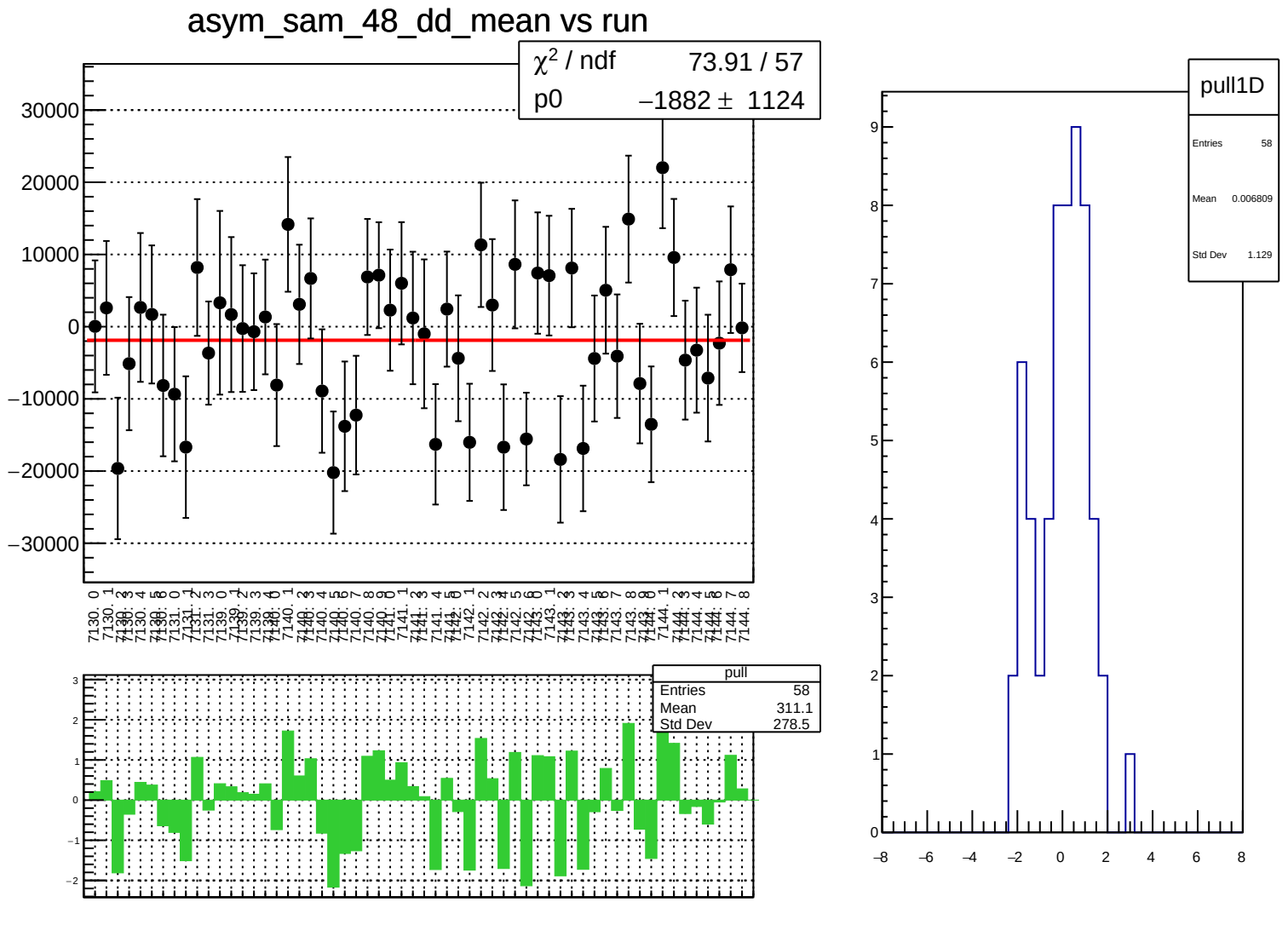

dit_asym_sam_48_dd_mean vs run
χ² / ndf 70.86 / 57
p0 −384.8 ± 198.4
pull
Entries 58
Mean 43.29
Std Dev 18.15

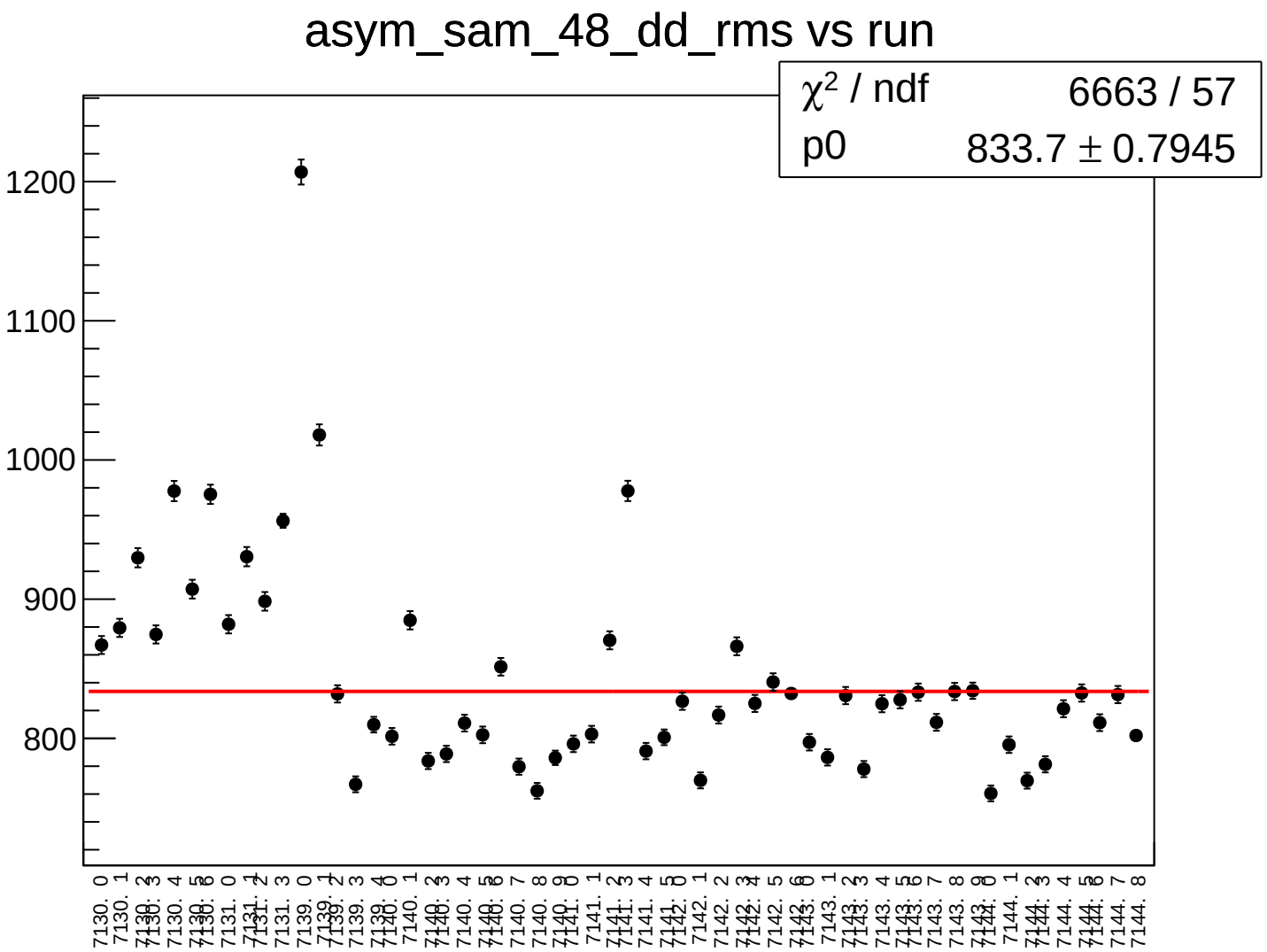

pull1D
Entries 58
Mean −0.05794
Std Dev 1.104

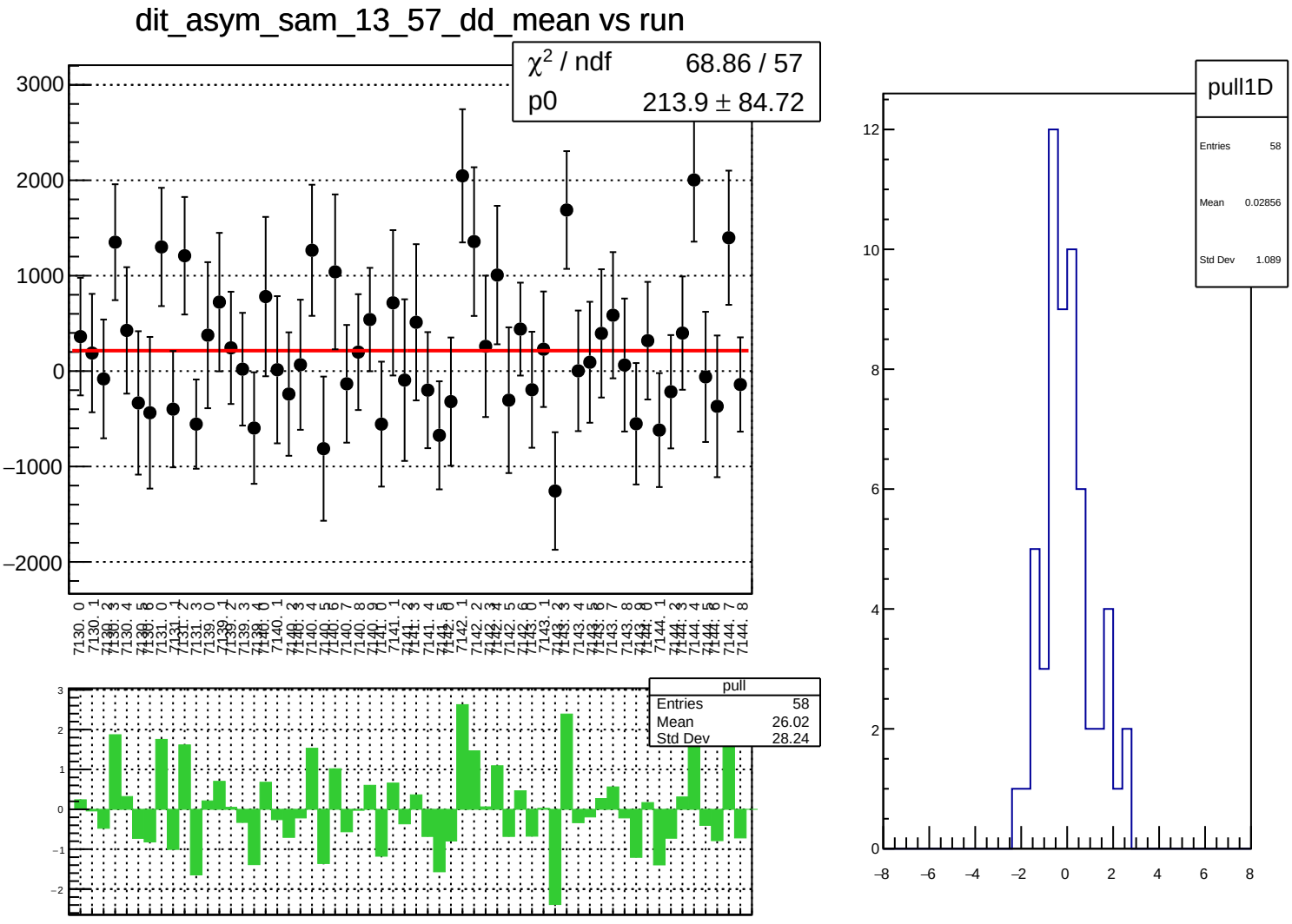

dit_asym_sam_48_dd_rms vs run
χ2 / ndf 3.353e+04 / 57
p0 145.4 ± 0.1403
300
280
260
240
220
200
180
160
140
120

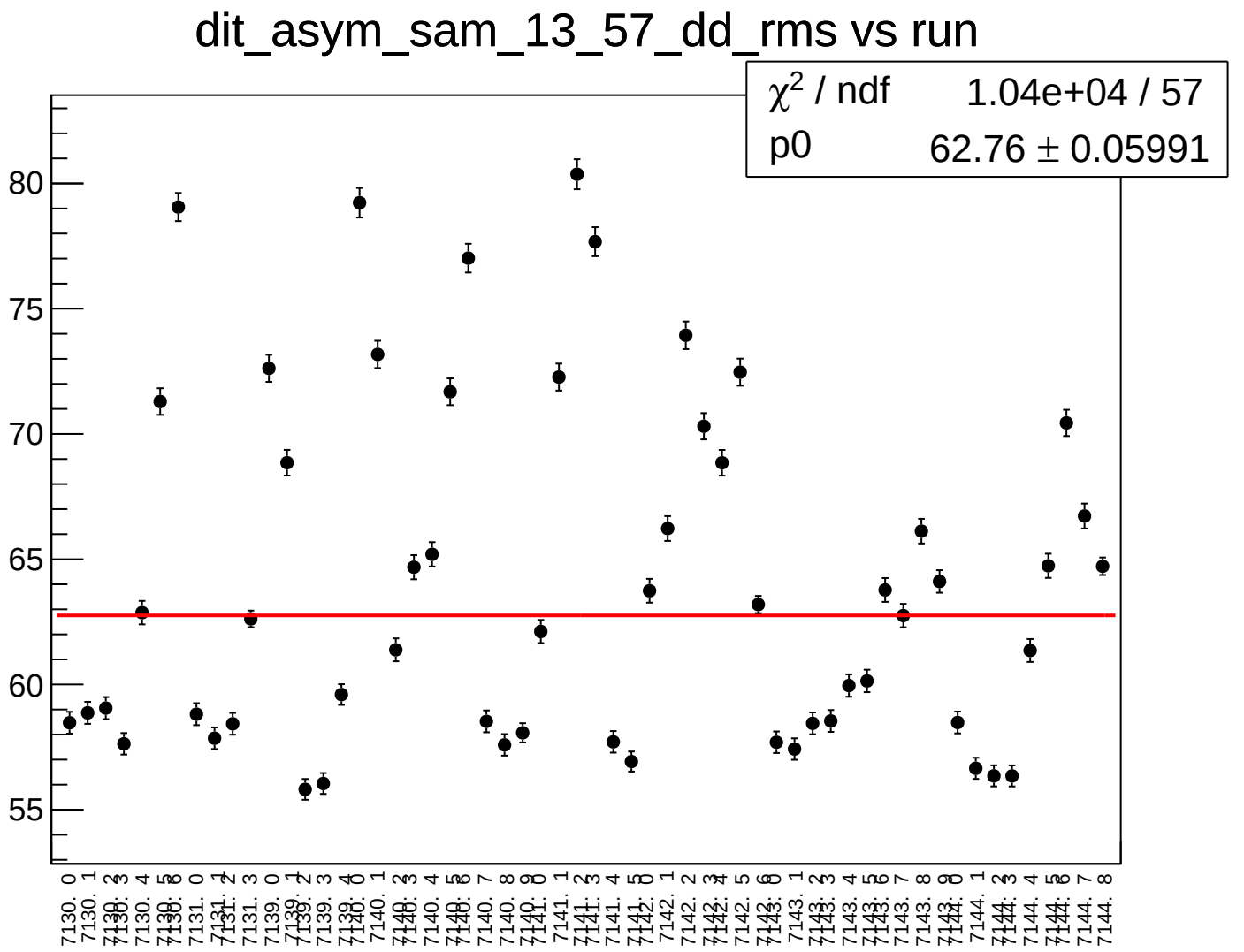

asym_sam_48_dd_correction_mean vs run
χ² / ndf 76.35 / 57
p0 1319 ± 1144
pull
Entries 58
Mean 263.3
Std Dev 230.1
pull1D
Entries 58
Mean −0.008722
Std Dev 1.147

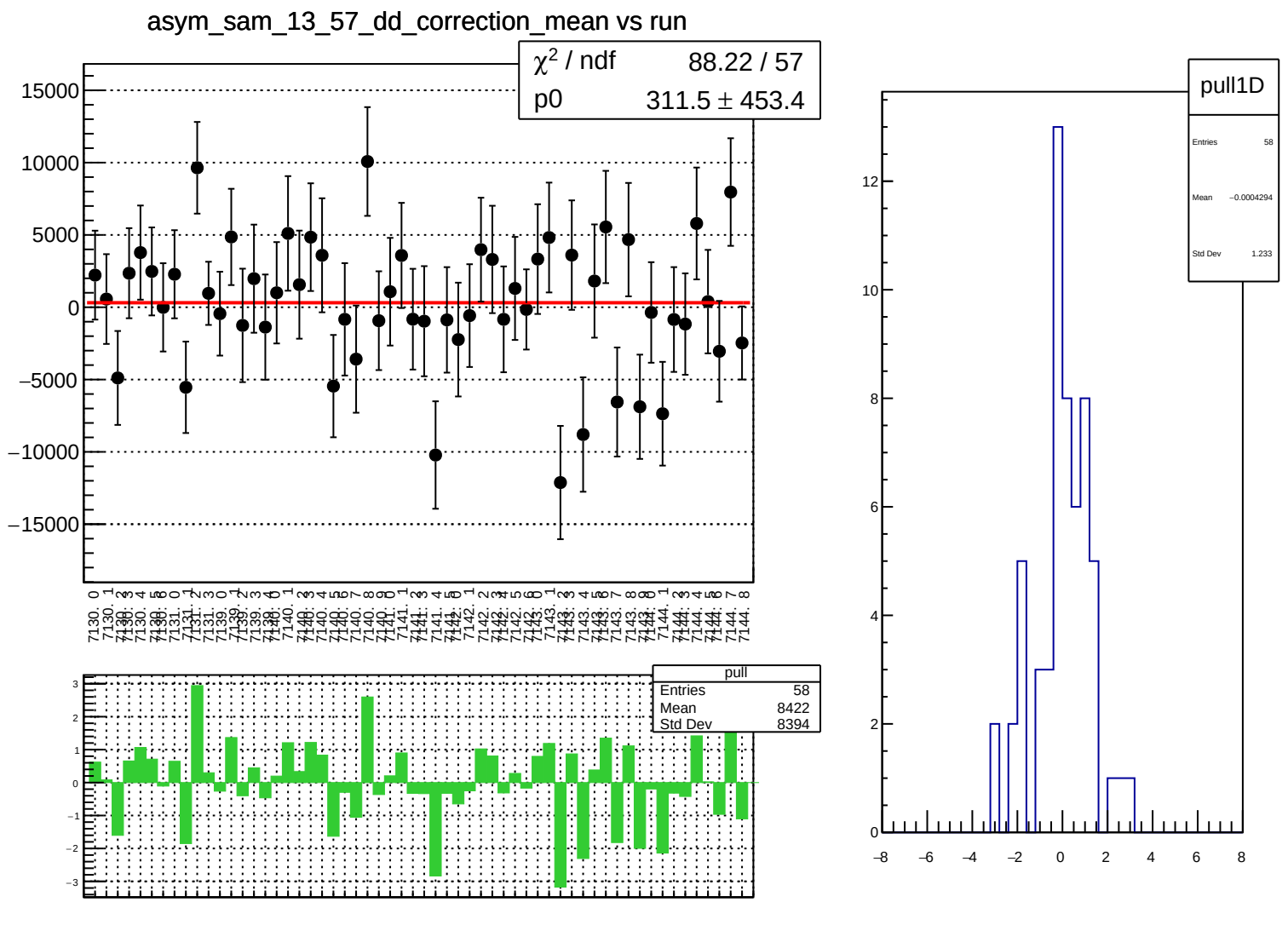

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3767 / 57
p0 849.7 ± 0.8087
1000
950
900
850
800
750

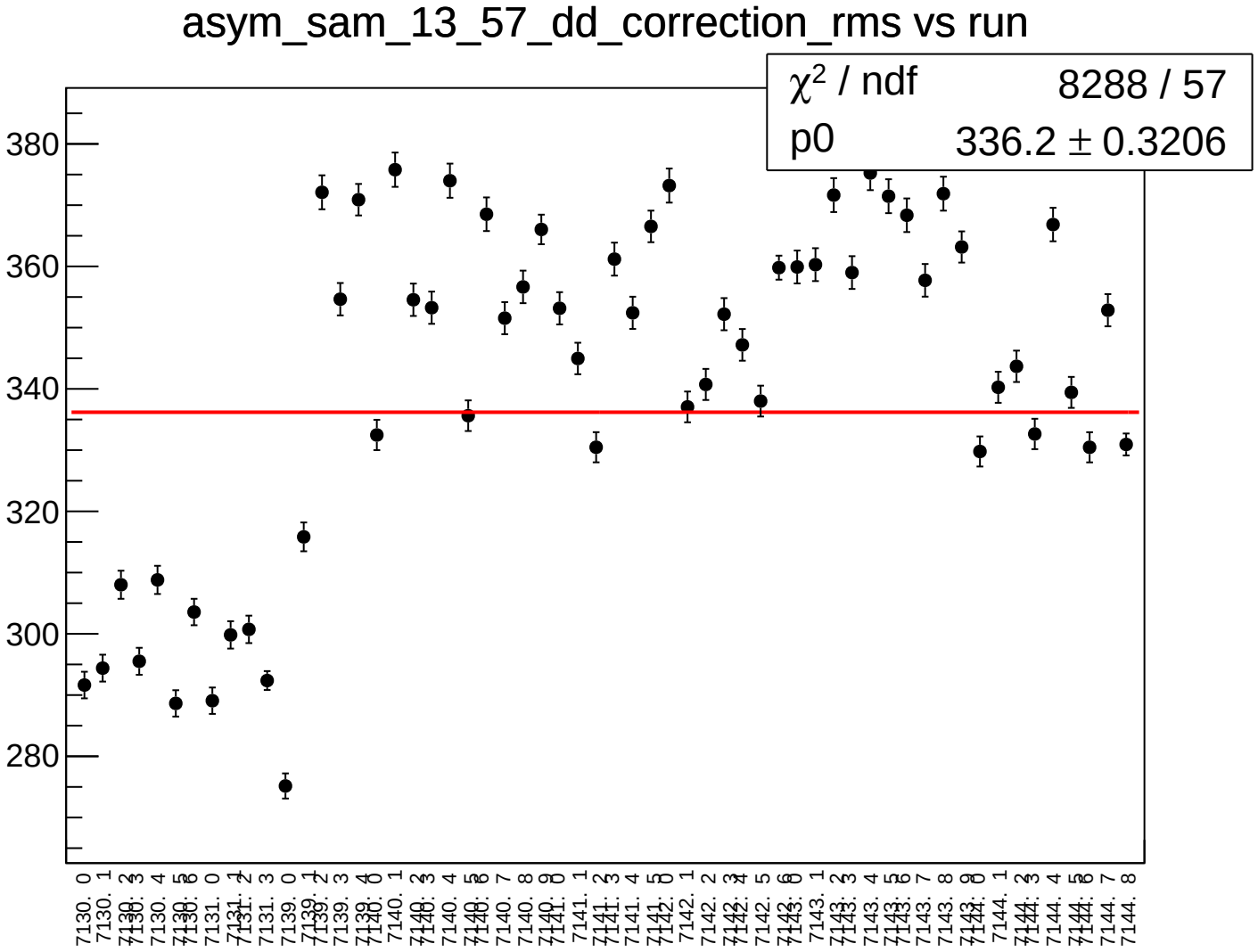

asym_sam_48_dd_mean vs run
χ² / ndf 73.91 / 57
p0 −1882 ± 1124
pull
Entries 58
Mean 311.1
Std Dev 278.5
pull1D
Entries 58
Mean 0.006809
Std Dev 1.129

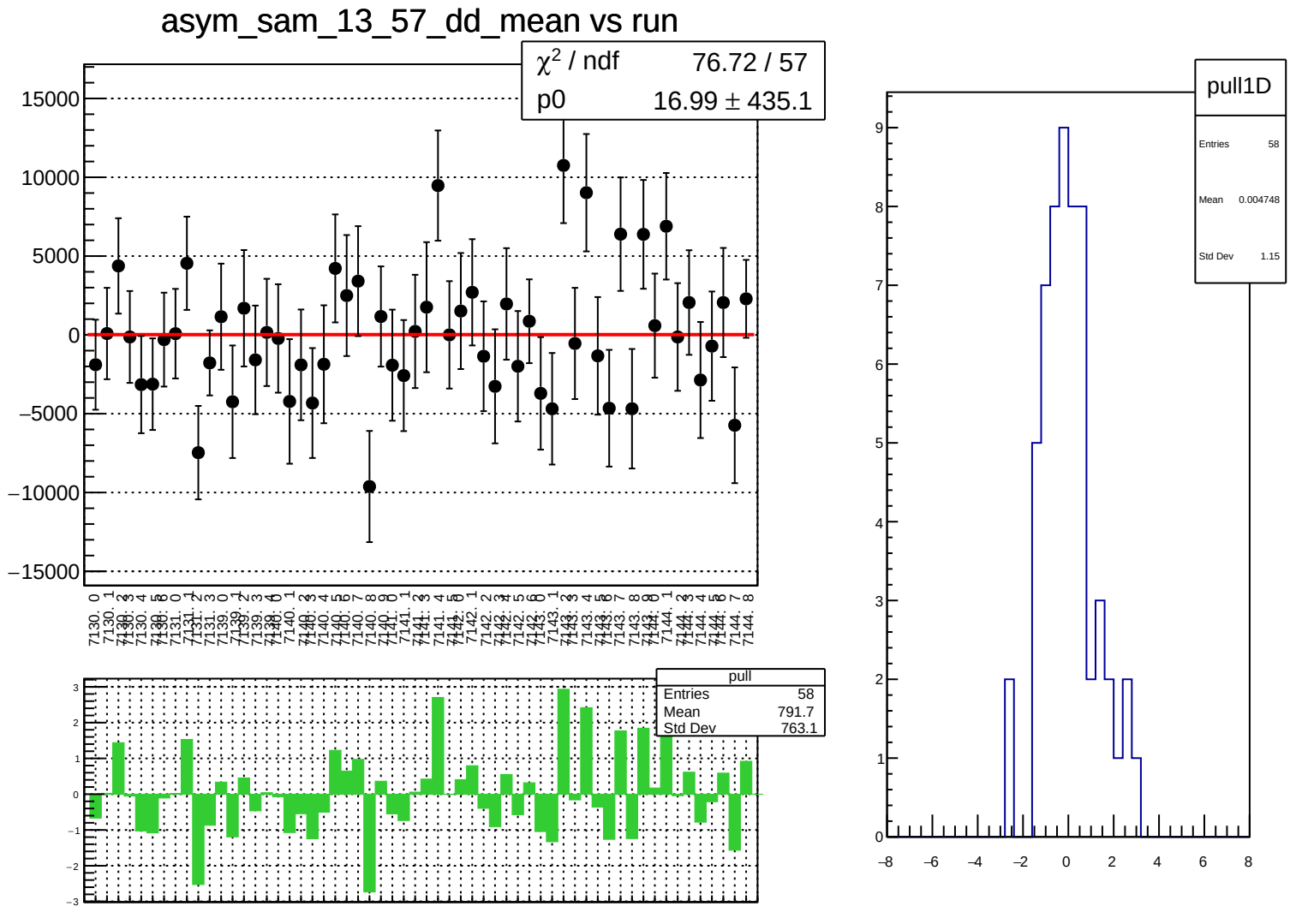

asym_sam_48_dd_rms vs run
χ^2 / ndf 6663 / 57
p0 833.7 ± 0.7945
1200
1100
1000
900
800

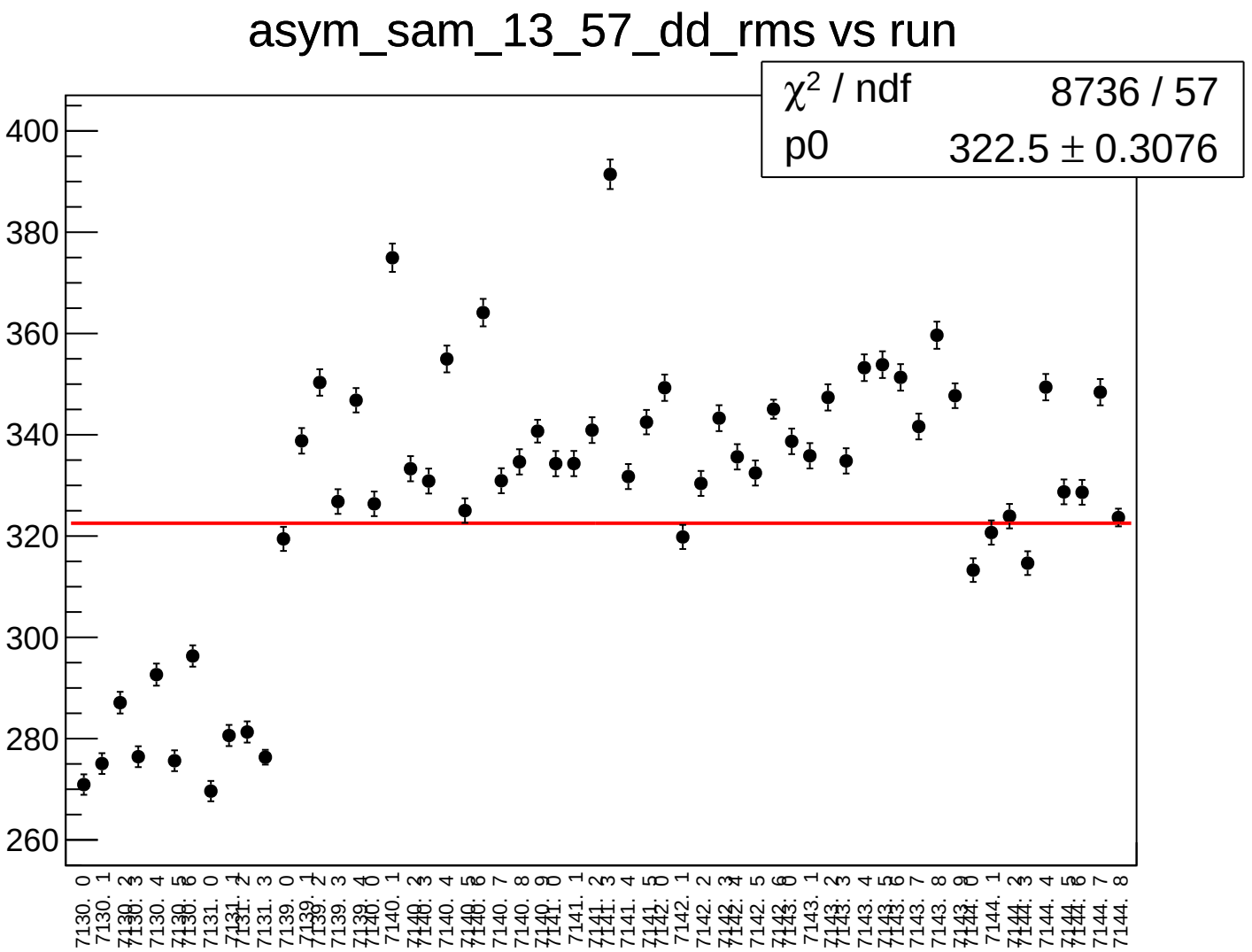

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 68.86 / 57
p0 213.9 ± 84.72
pull
Entries 58
Mean 26.02
Std Dev 28.24
pull1D
Entries 58
Mean 0.02856
Std Dev 1.089

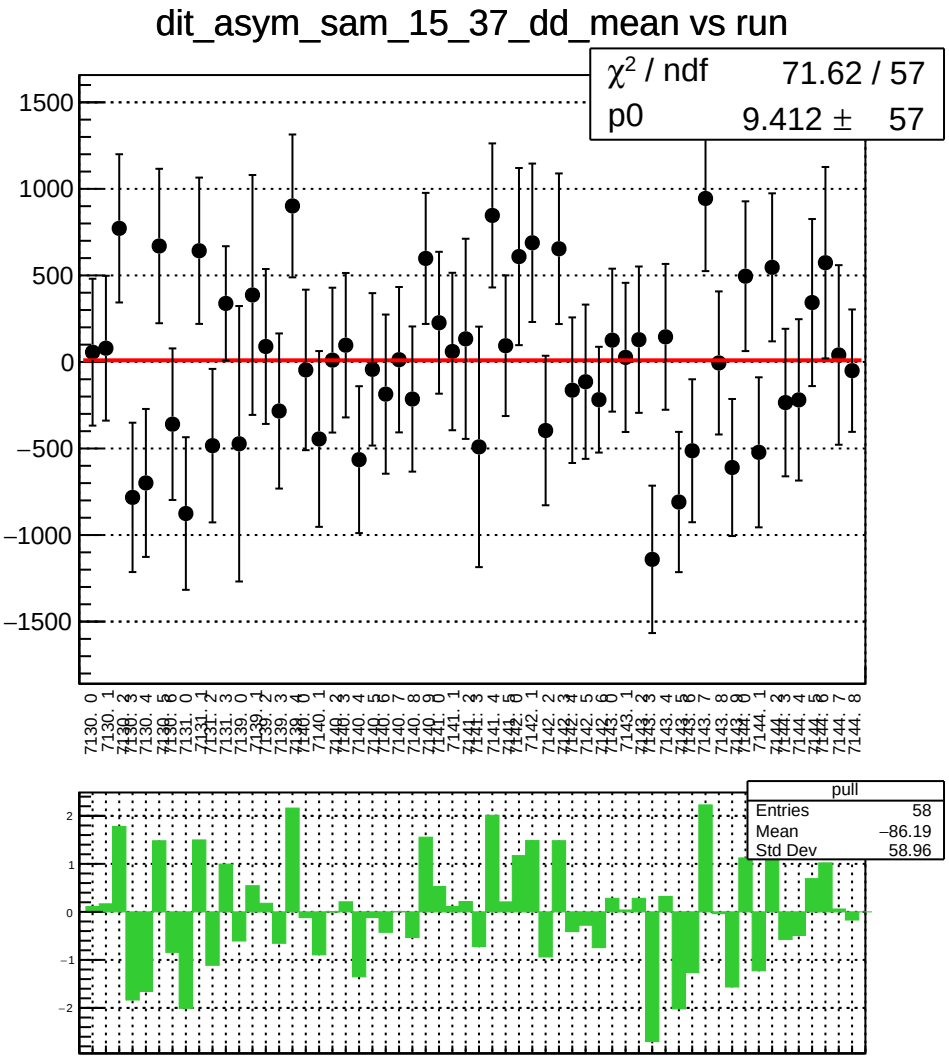

dit_asym_sam_13_57_dd_rms vs run
χ2 / ndf 1.04e+04 / 57
p0 62.76 ± 0.05991
80
75
70
65
60
55
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

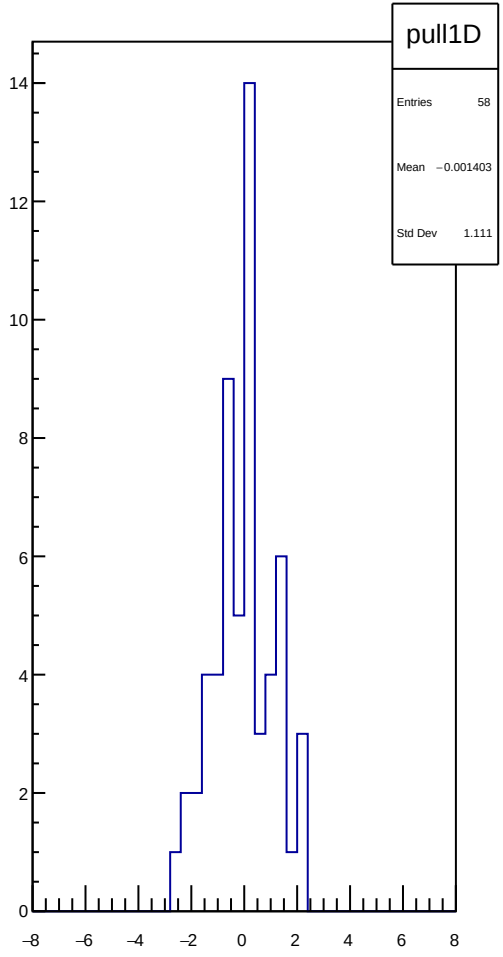

asym_sam_13_57_dd_correction_mean vs run
χ2 / ndf 88.22 / 57
p0 311.5 ± 453.4
pull
Entries 58
Mean 8422
Std Dev 8394
pull1D
Entries 58
Mean −0.0004294
Std Dev 1.233


asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 8288 / 57
p0 336.2 ± 0.3206
380
360
340
320
300
280

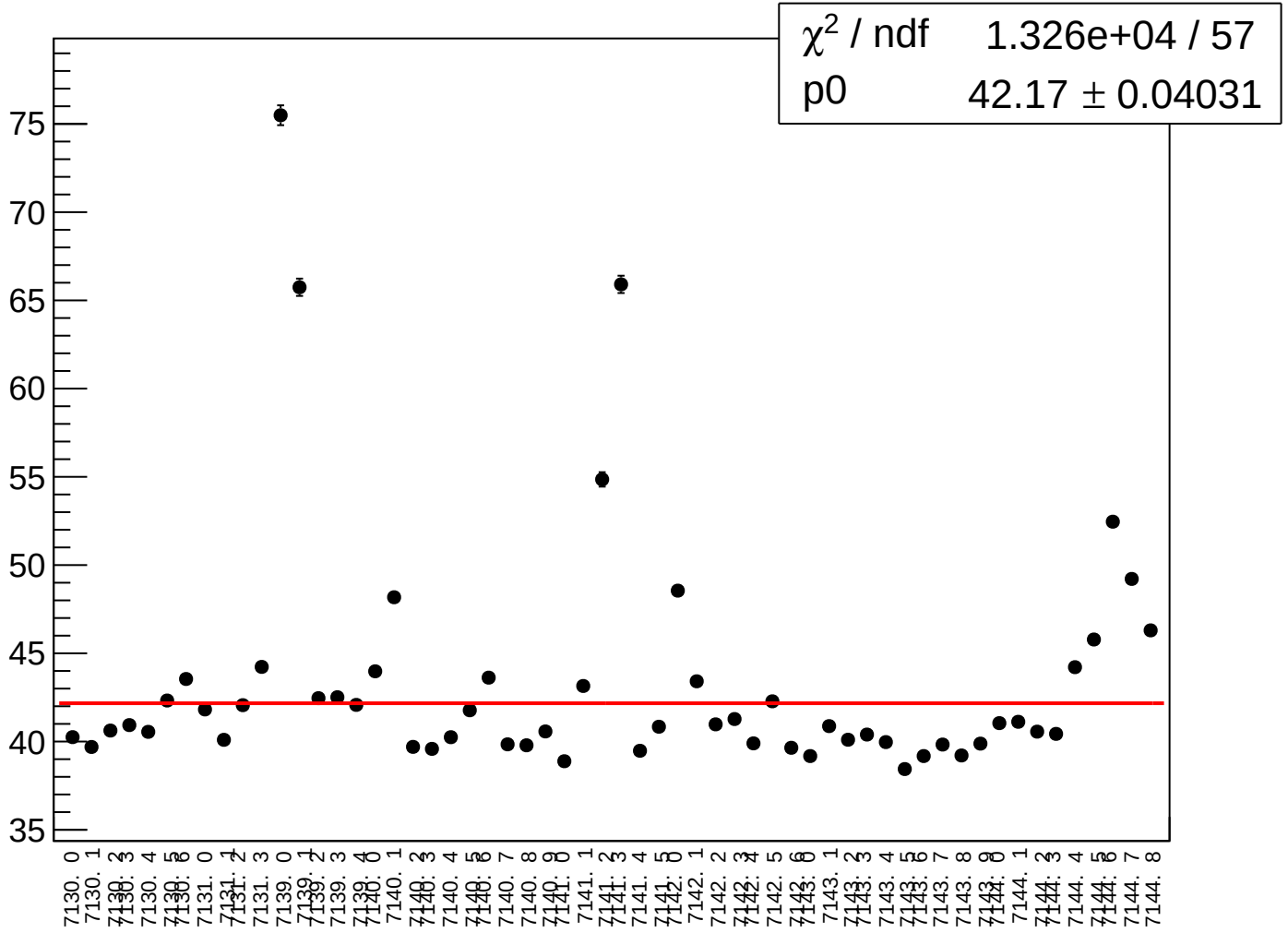

asym_sam_13_57_dd_mean vs run
χ² / ndf 76.72 / 57
p0 16.99 ± 435.1
pull
Entries 58
Mean 791.7
Std Dev 763.1
pull1D
Entries 58
Mean 0.004748
Std Dev 1.15

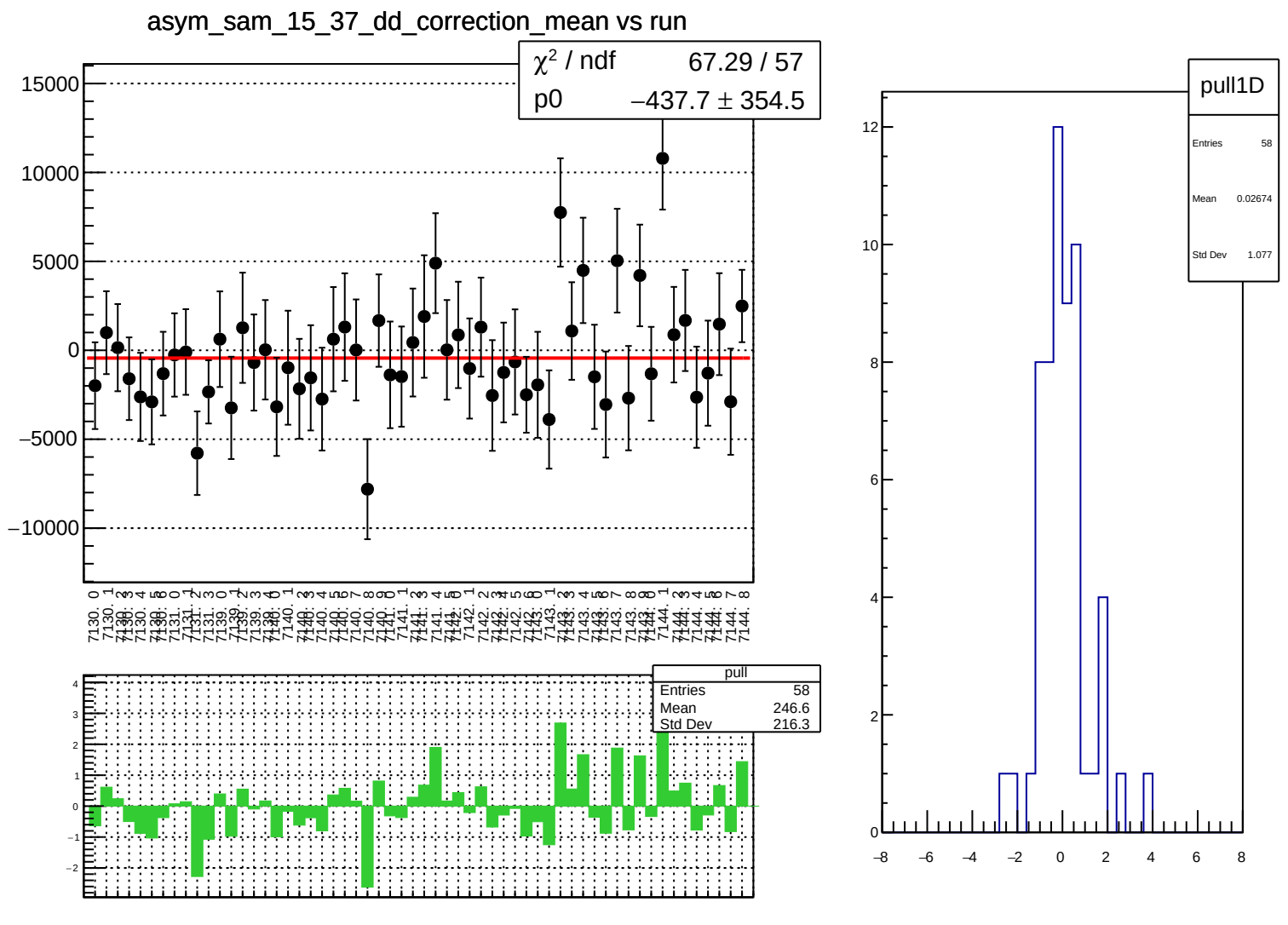

asym_sam_13_57_dd_rms vs run
χ2 / ndf 8736 / 57
p0 322.5 ± 0.3076
400
380
360
340
320
300
280
260

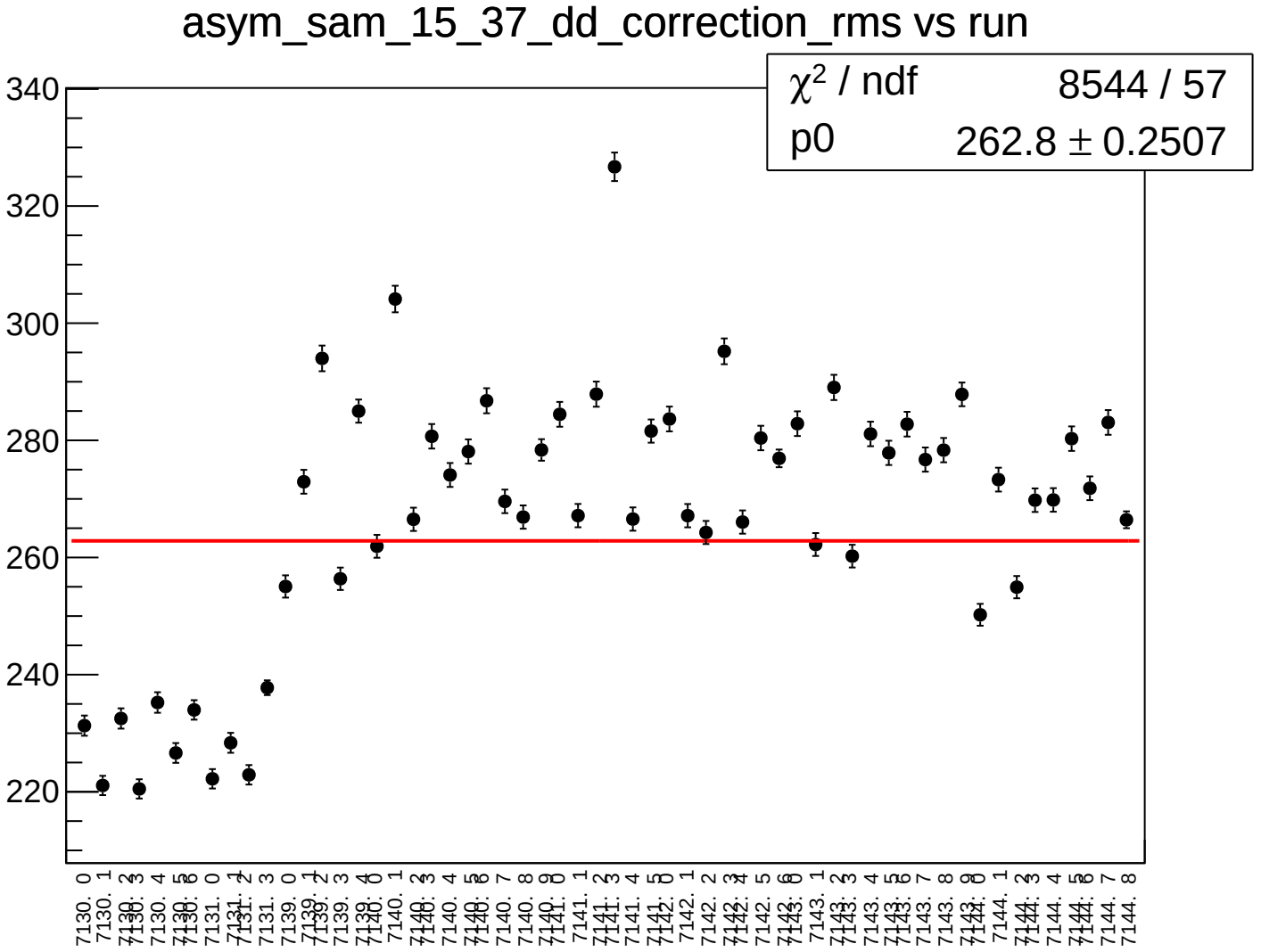

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 71.62 / 57
p0 9.412 ± 57
pull
Entries 58
Mean −86.19
Std Dev 58.96

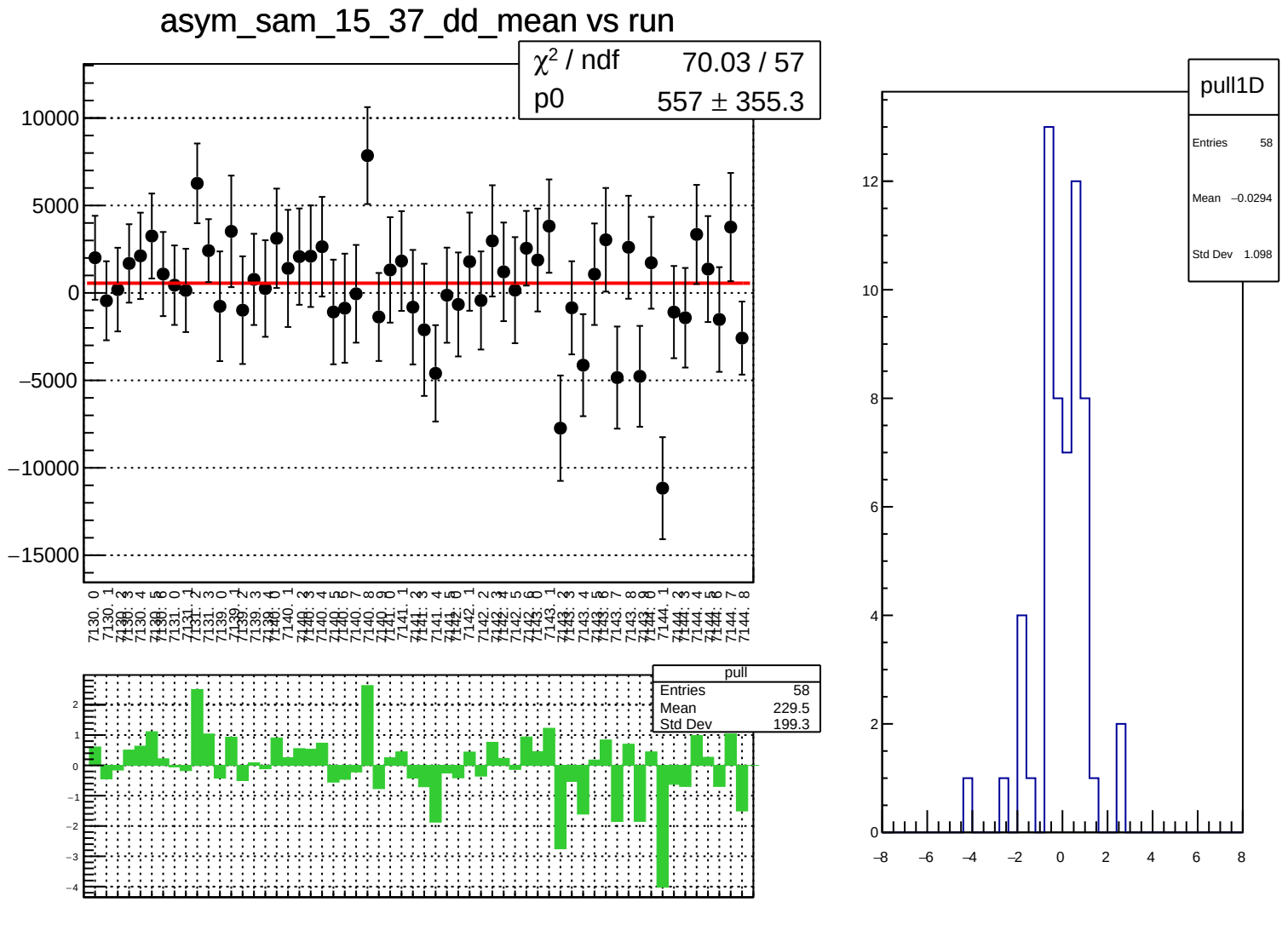

pull1D
Entries 58
Mean −0.001403
Std Dev 1.111

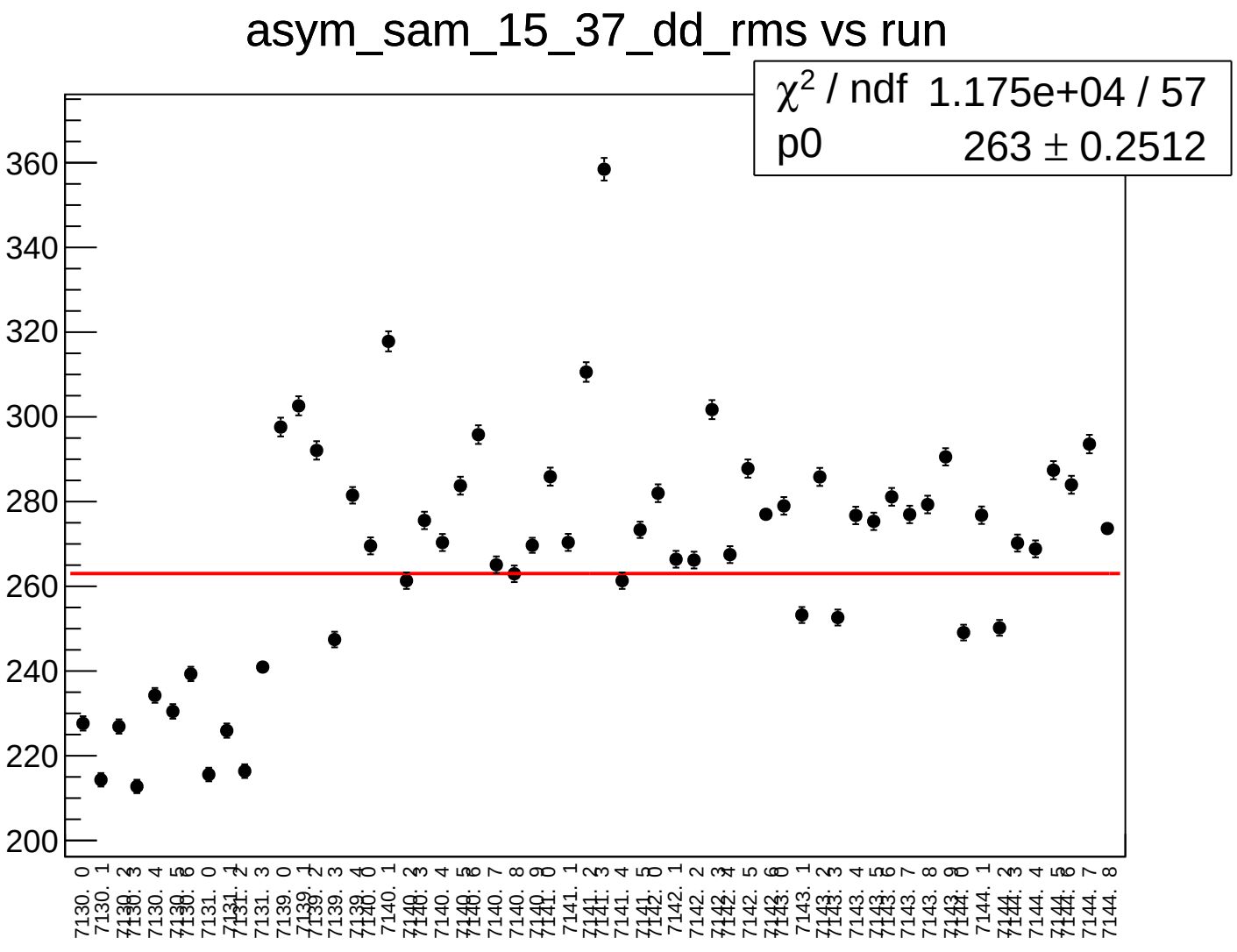
dit_asym_sam_15_37_dd_rms vs run

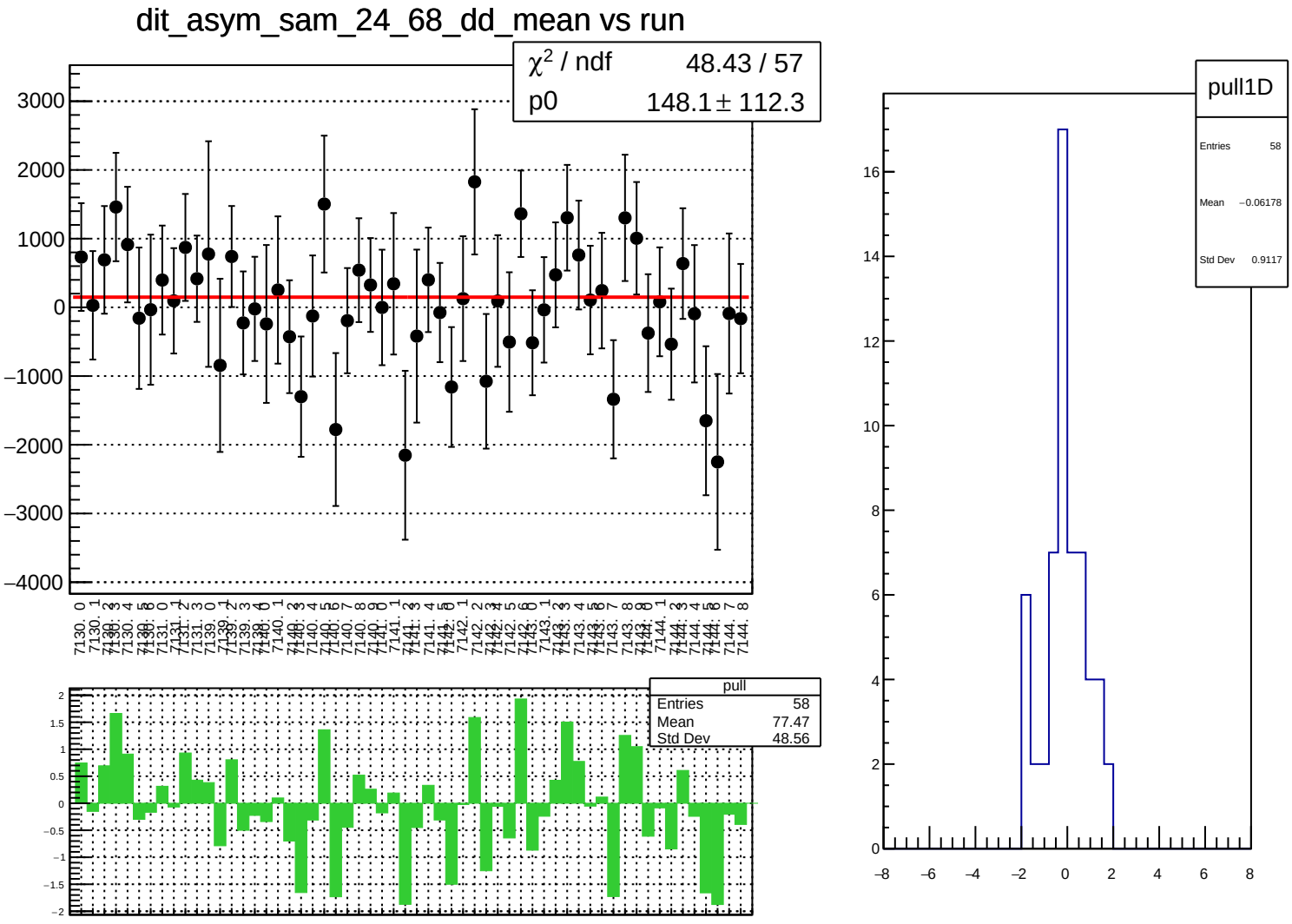


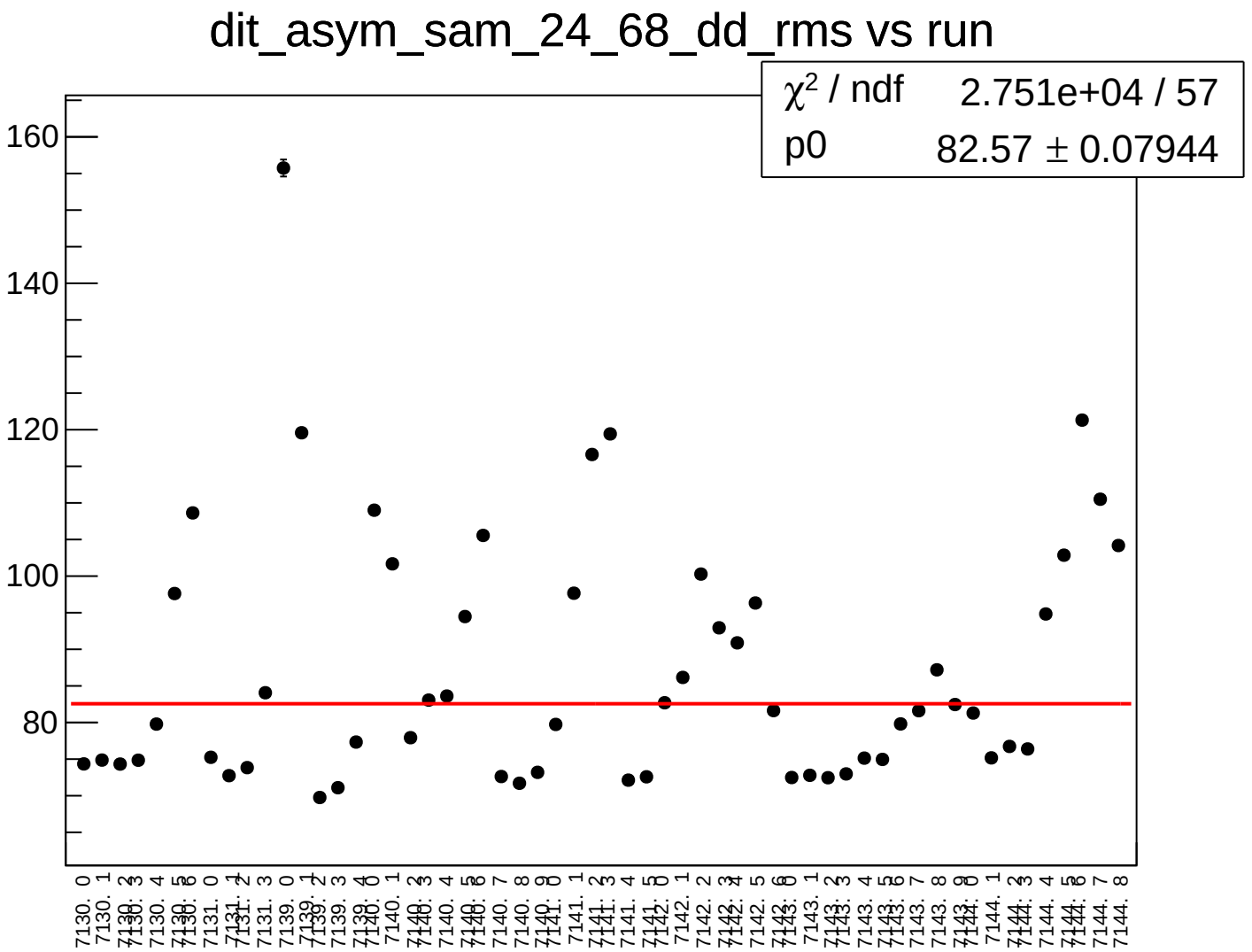

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 67.29 / 57
p0 −437.7 ± 354.5
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 246.6
Std Dev 216.3
pull1D
Entries 58
Mean 0.02674
Std Dev 1.077

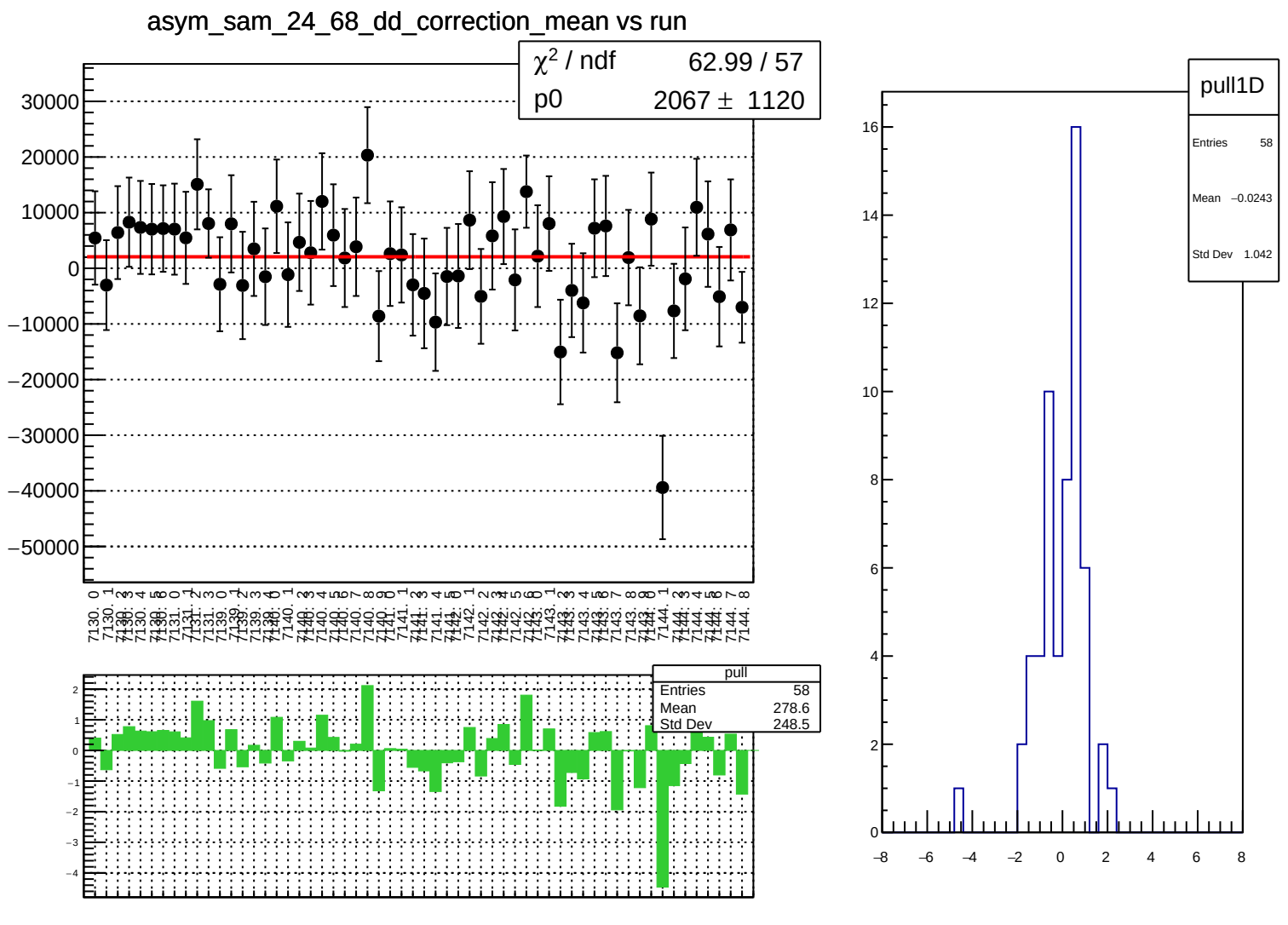

asym_sam_15_37_dd_correction_rms vs run
χ2 / ndf 8544 / 57
p0 262.8 ± 0.2507
340
320
300
280
260
240
220

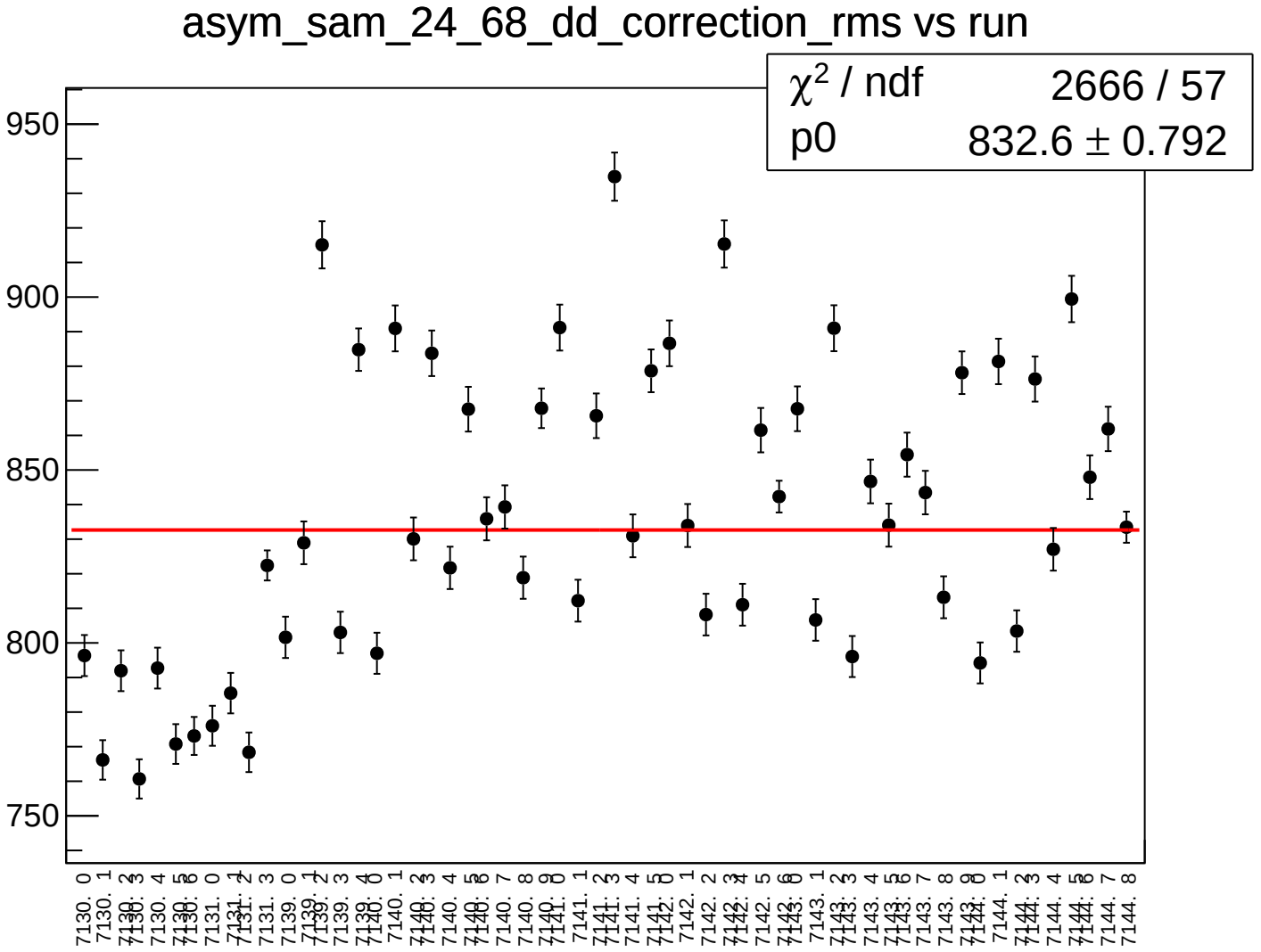

asym_sam_15_37_dd_mean vs run
χ² / ndf 70.03 / 57
p0 557 ± 355.3
pull
Entries 58
Mean 229.5
Std Dev 199.3
pull1D
Entries 58
Mean −0.0294
Std Dev 1.098

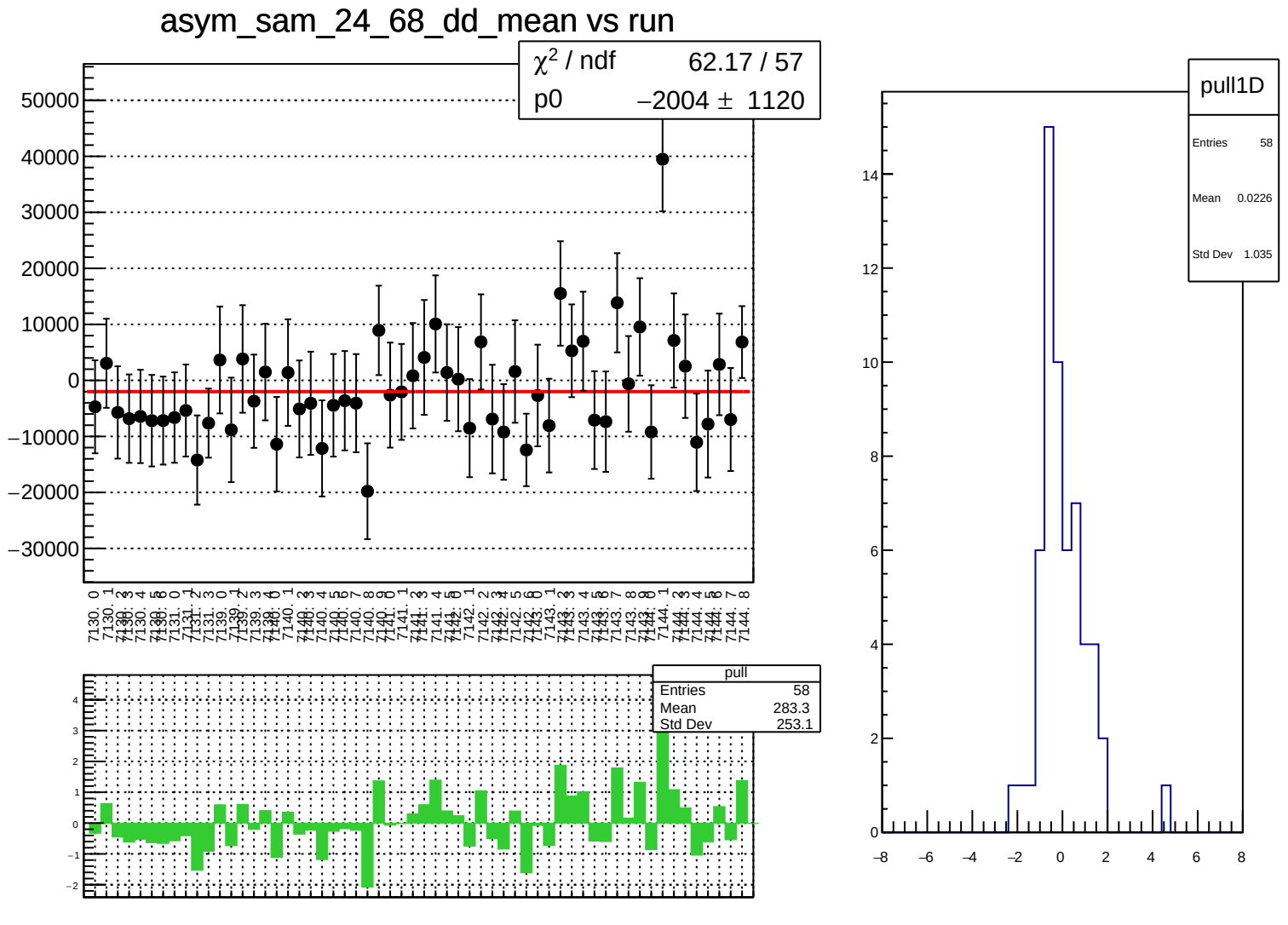

asym_sam_15_37_dd_rms vs run
χ2 / ndf 1.175e+04 / 57
p0 263 ± 0.2512
360
340
320
300
280
260
240
220
200

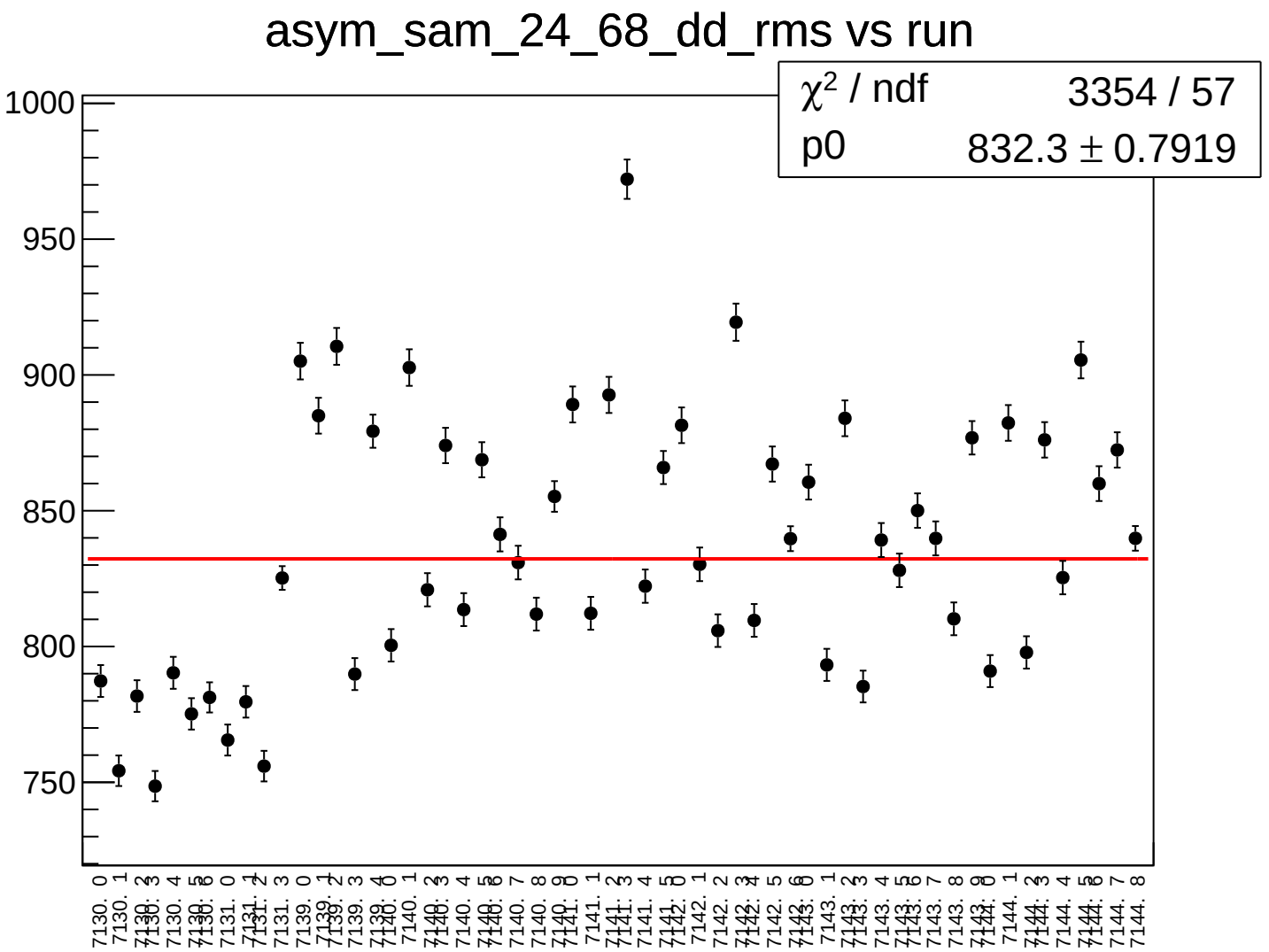

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 48.43 / 57
p0 148.1 ± 112.3
pull
Entries 58
Mean 77.47
Std Dev 48.56
pull1D
Entries 58
Mean −0.06178
Std Dev 0.9117

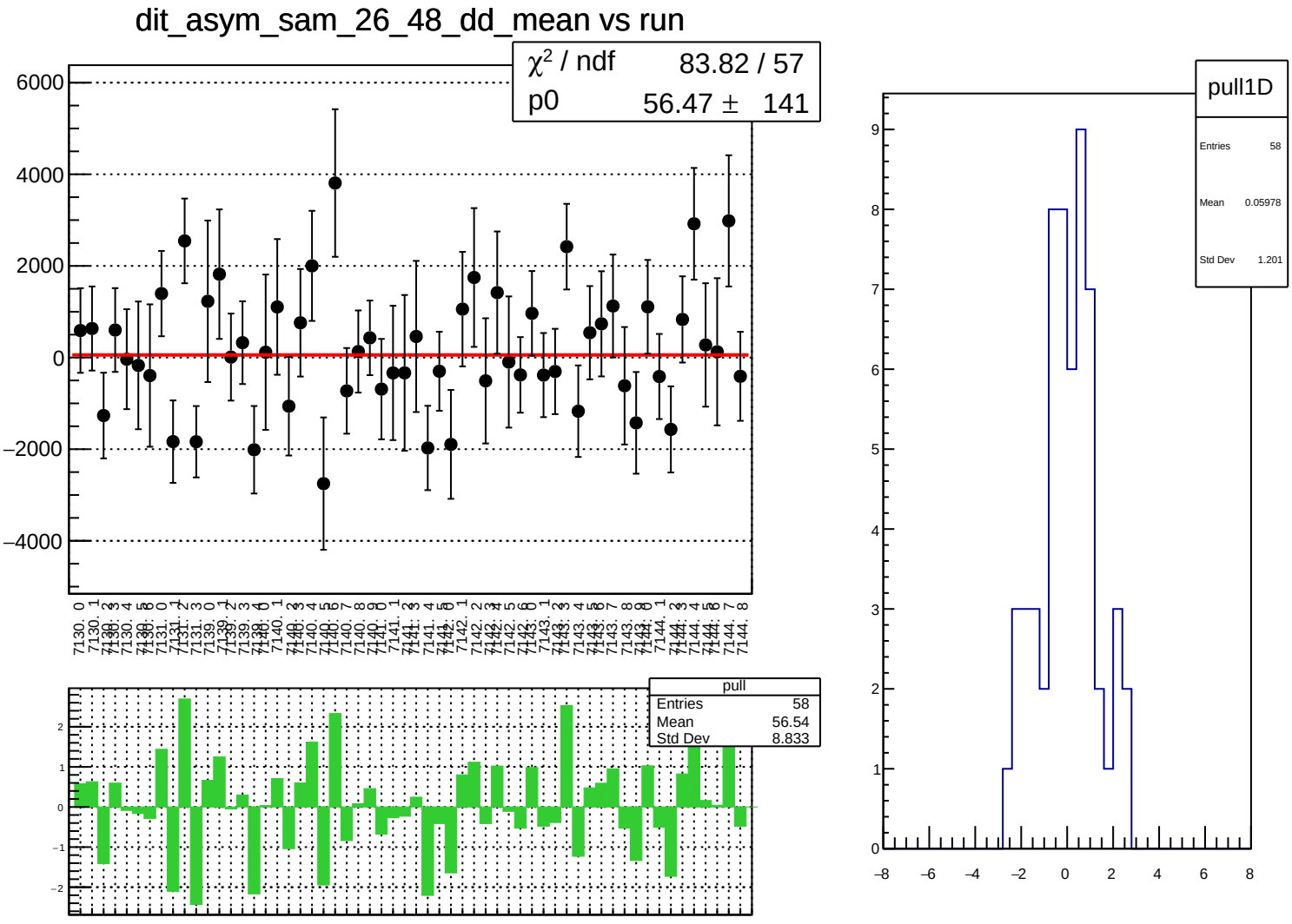

dit_asym_sam_24_68_dd_rms vs run
χ2 / ndf 2.751e+04 / 57
p0 82.57 ± 0.07944
160
140
120
100
80


asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 62.99 / 57
p0 2067 ± 1120
pull
Entries 58
Mean 278.6
Std Dev 248.5
pull1D
Entries 58
Mean −0.0243
Std Dev 1.042

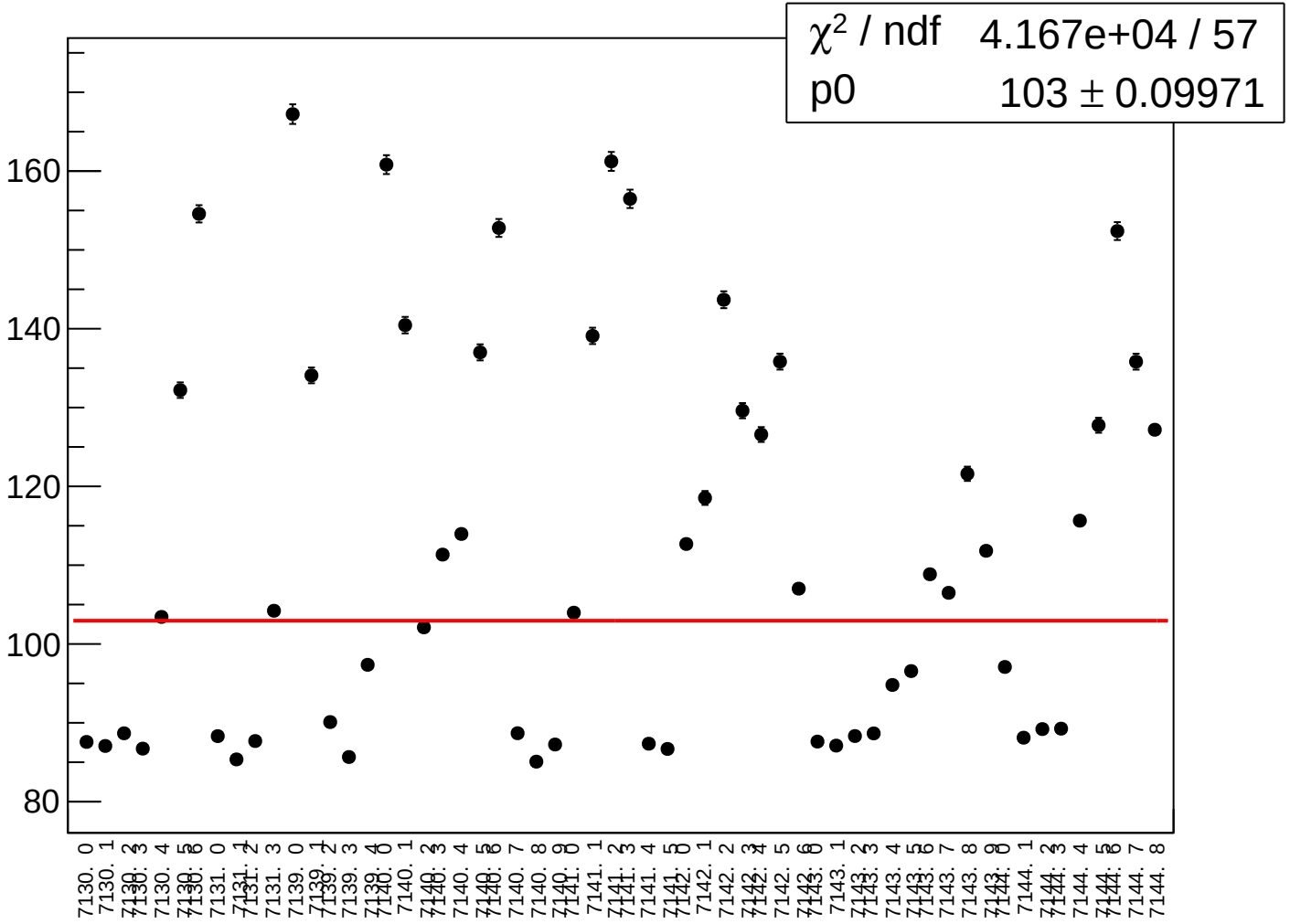

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2666 / 57
p0 832.6 ± 0.792
950
900
850
800
750

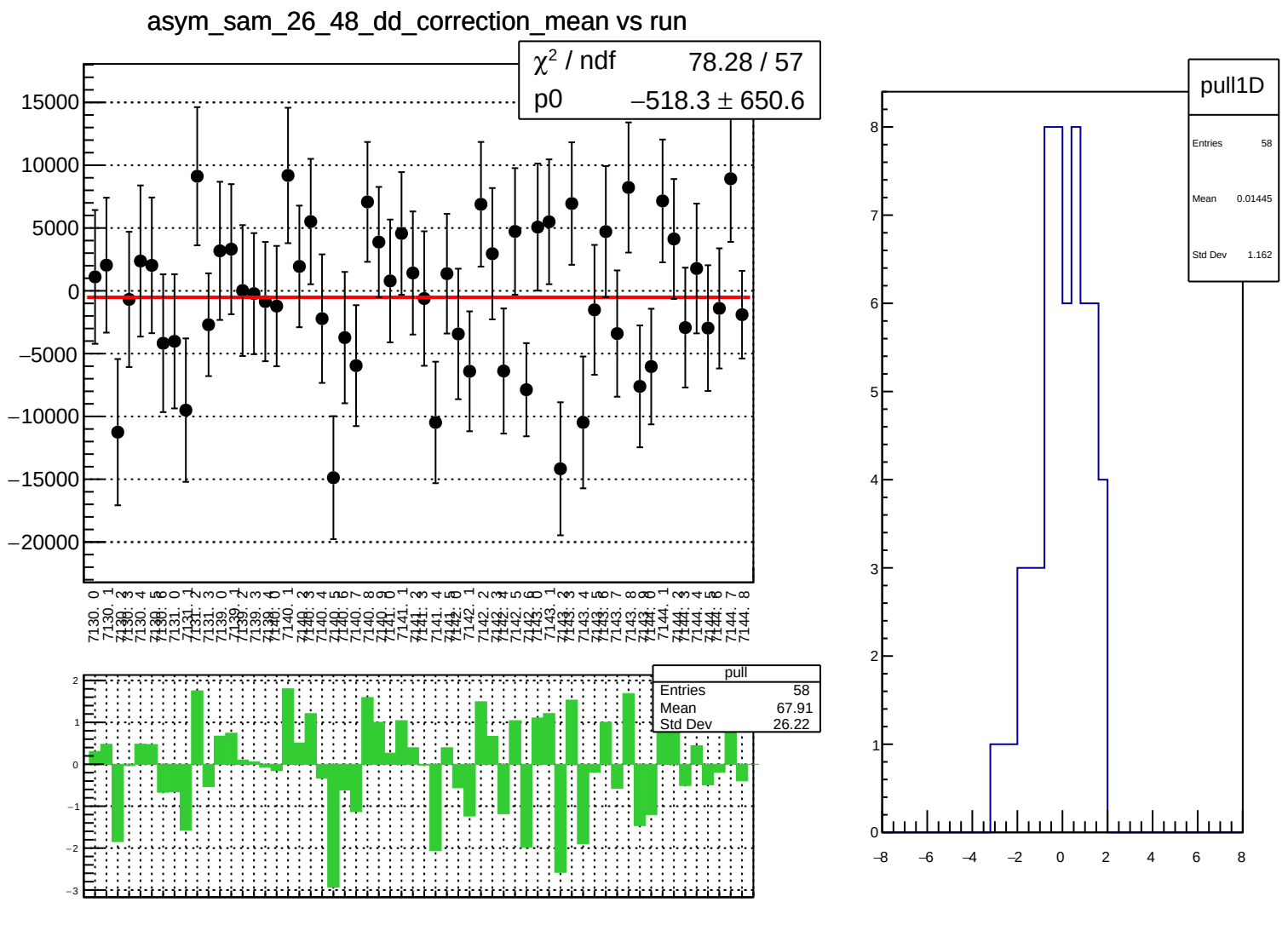

asym_sam_24_68_dd_mean vs run
χ² / ndf 62.17 / 57
p0 −2004 ± 1120
pull
Entries 58
Mean 283.3
Std Dev 253.1
pull1D
Entries 58
Mean 0.0226
Std Dev 1.035

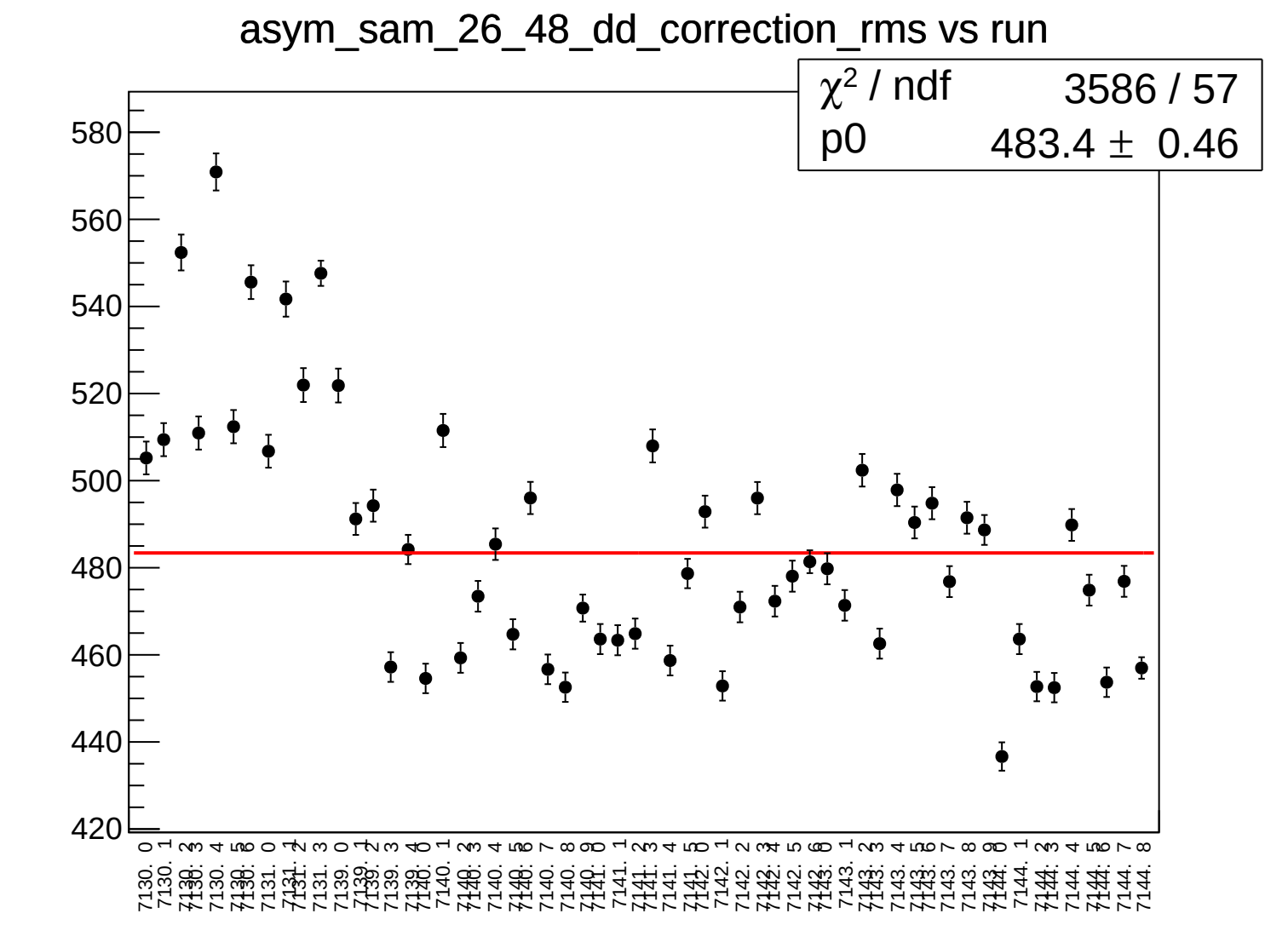

asym_sam_24_68_dd_rms vs run
χ² / ndf 3354 / 57
p0 832.3 ± 0.7919
1000
950
900
850
800
750

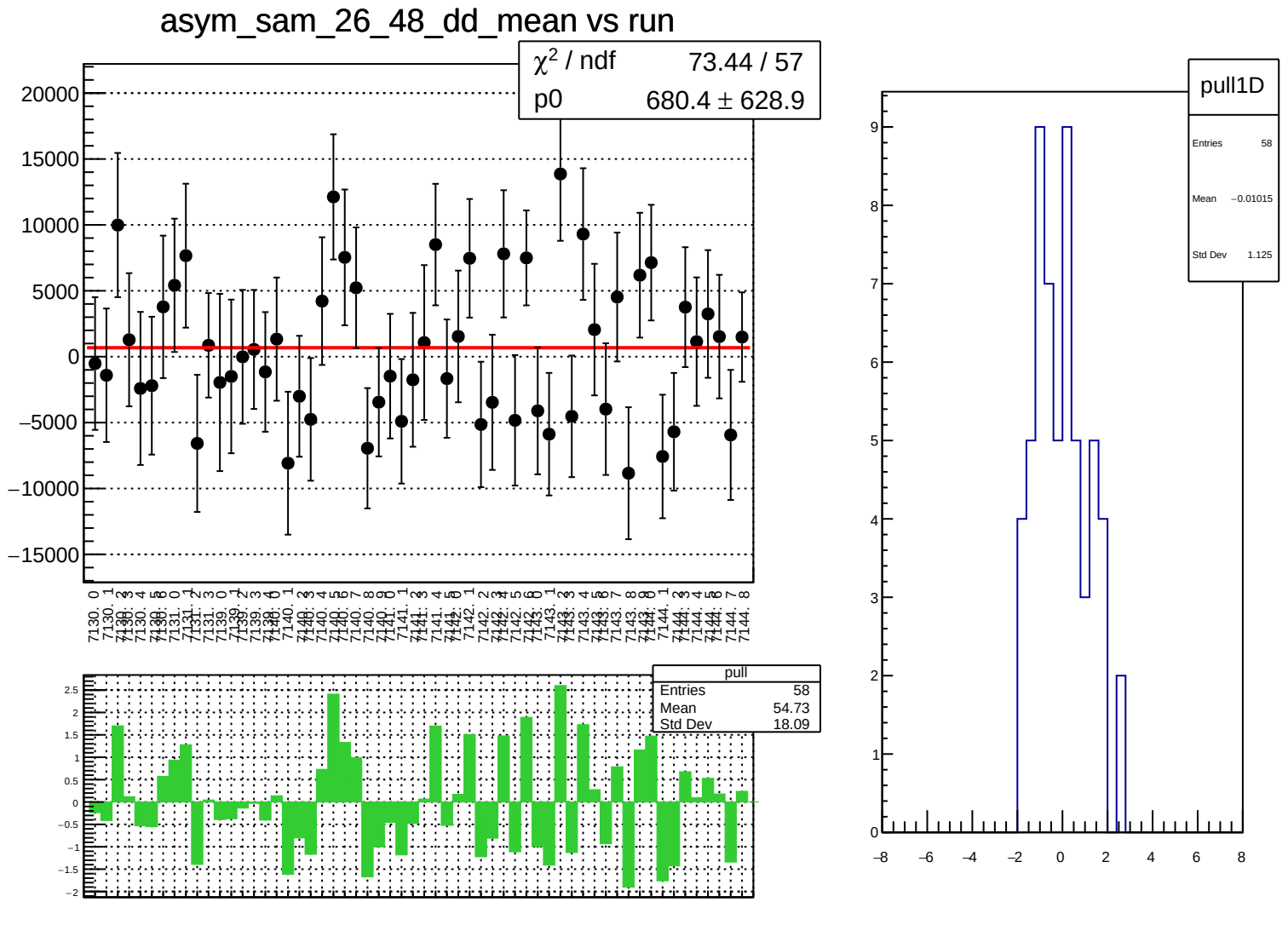

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 83.82 / 57
p0 56.47 ± 141
pull
Entries 58
Mean 56.54
Std Dev 8.833
pull1D
Entries 58
Mean 0.05978
Std Dev 1.201

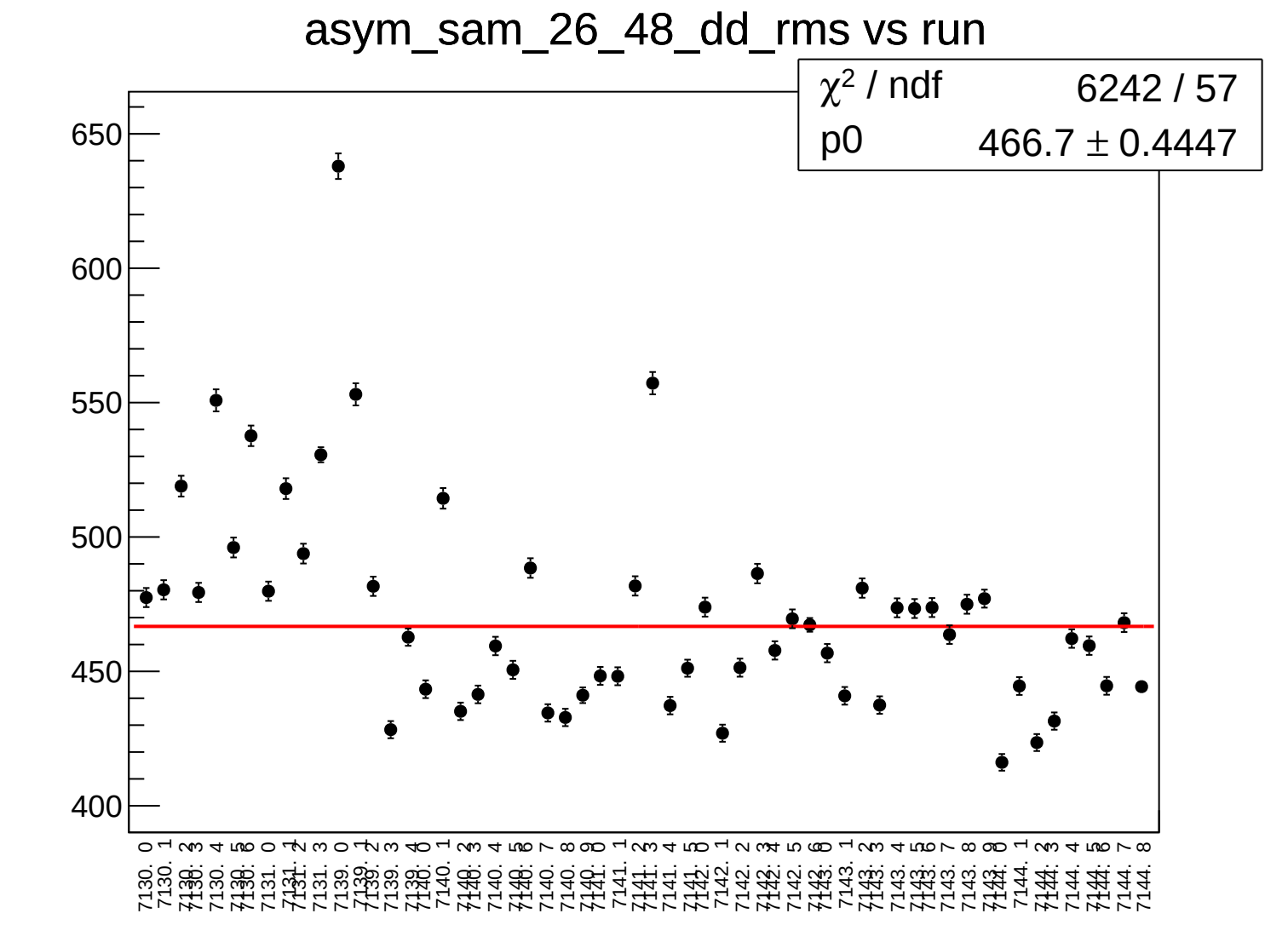
dit_asym_sam_26_48_dd_rms vs run

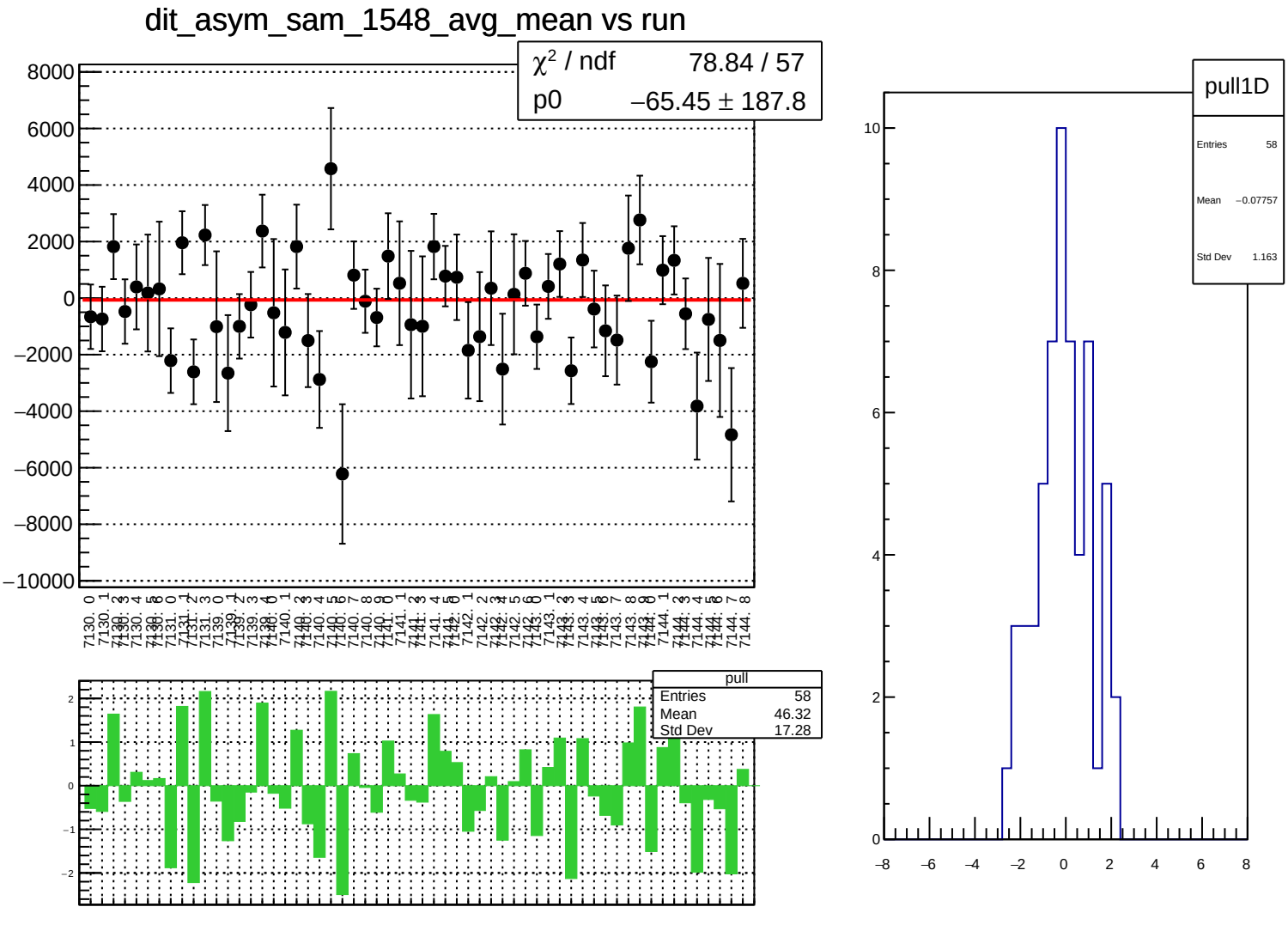


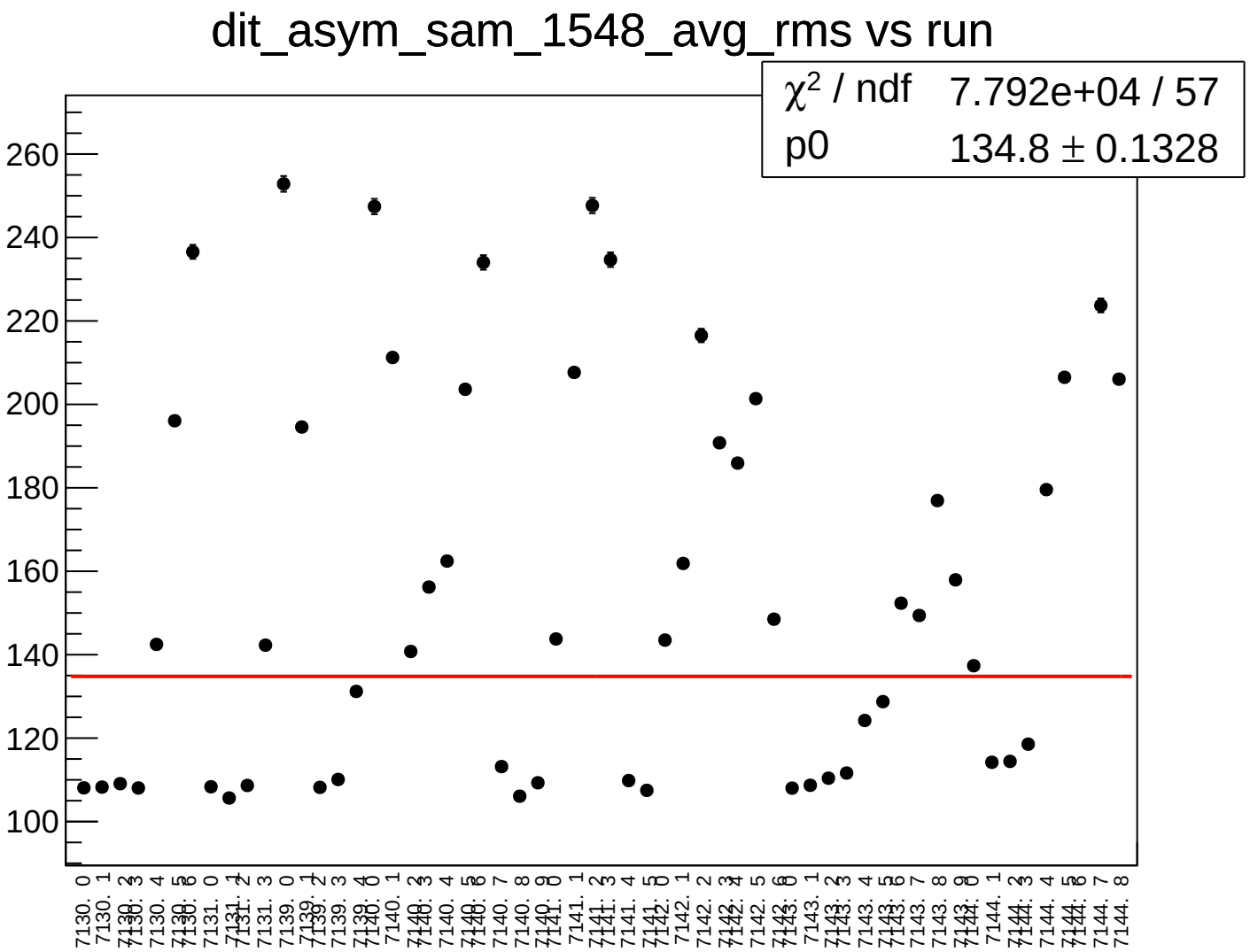

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 78.28 / 57
p0 −518.3 ± 650.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 58
Mean 67.91
Std Dev 26.22
2
1
0
−1
−2
−3
pull1D
Entries 58
Mean 0.01445
Std Dev 1.162
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

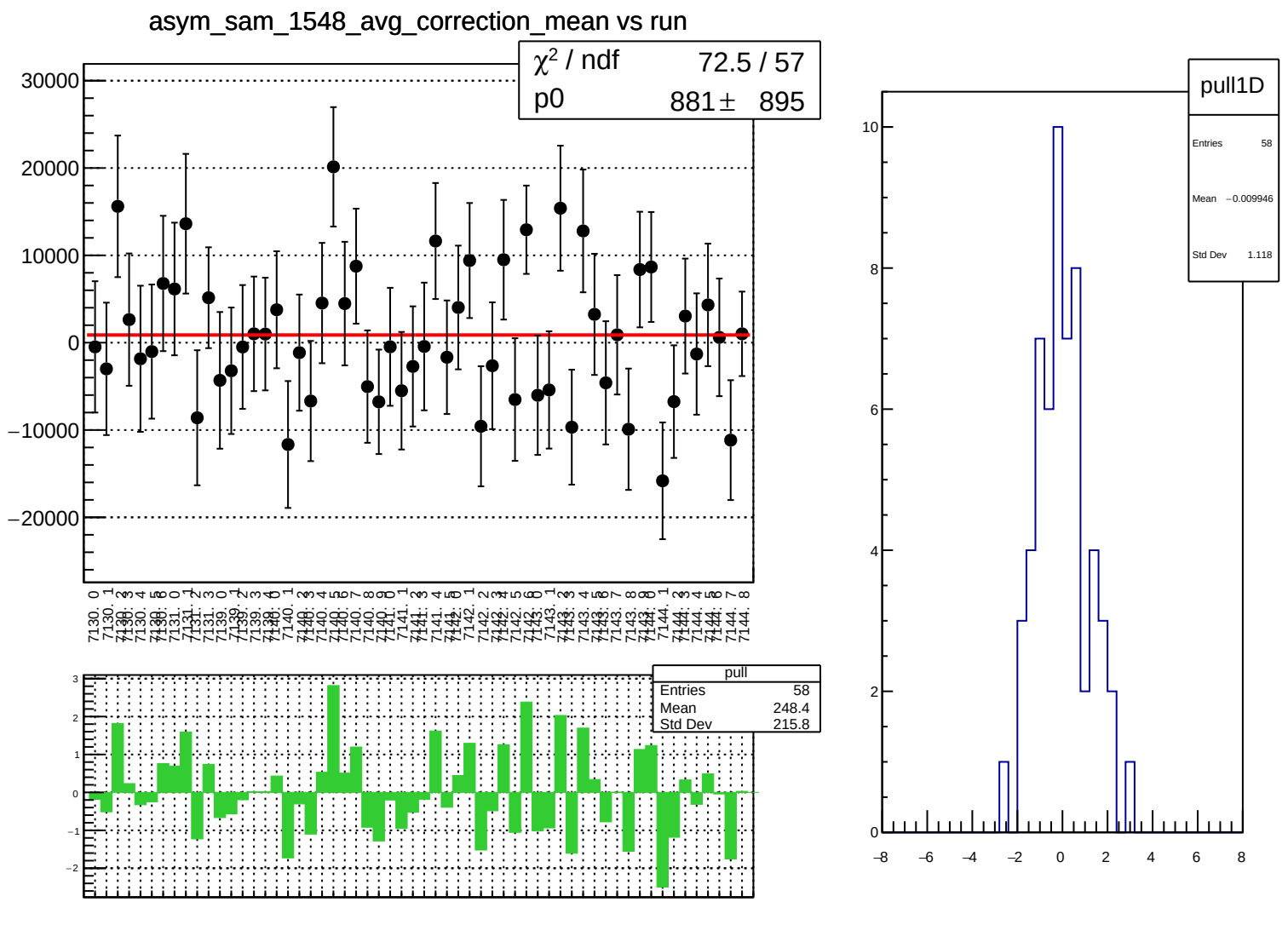

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3586 / 57
p0 483.4 ± 0.46
580
560
540
520
500
480
460
440
420

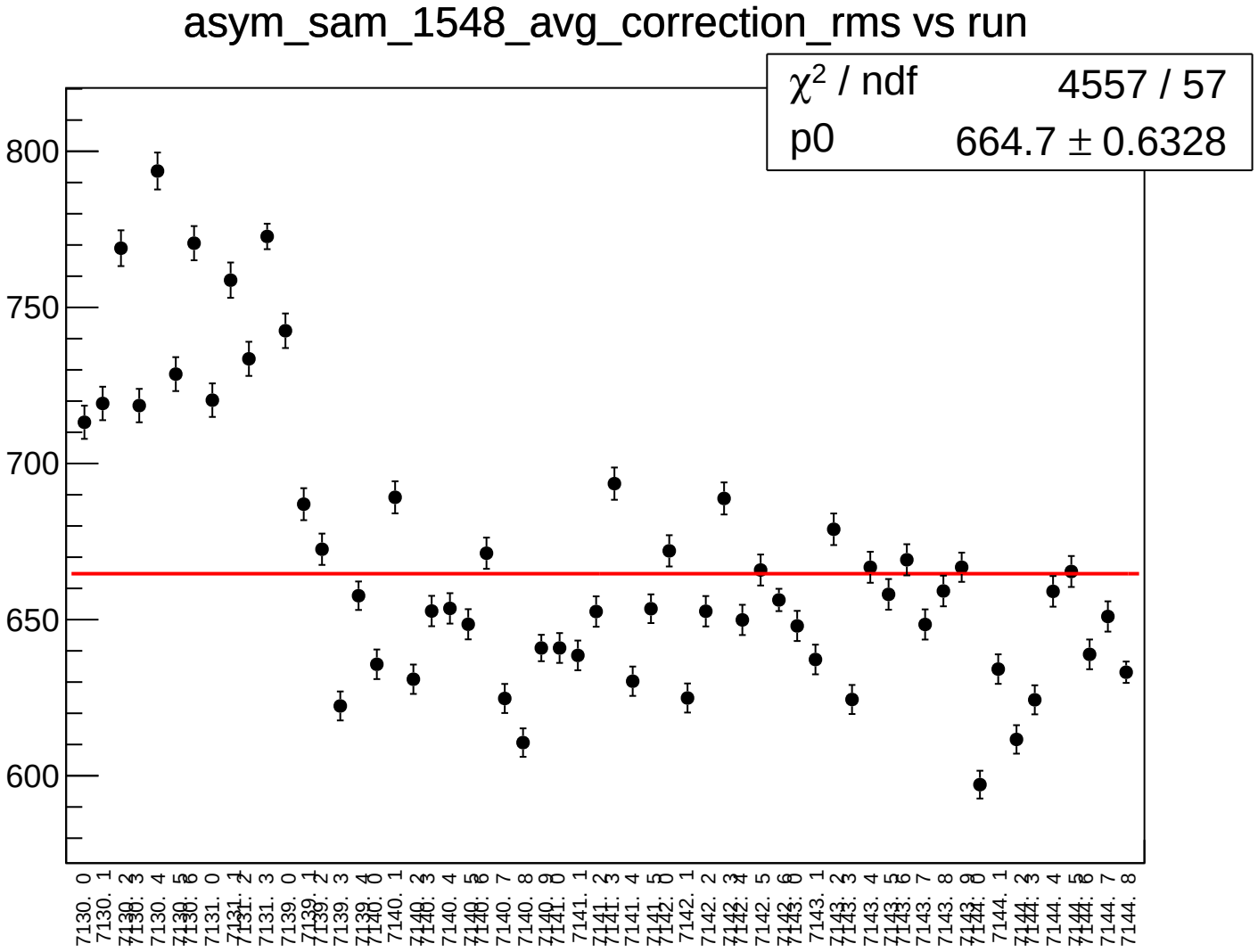

asym_sam_26_48_dd_mean vs run
χ² / ndf 73.44 / 57
p0 680.4 ± 628.9
pull
Entries 58
Mean 54.73
Std Dev 18.09
pull1D
Entries 58
Mean −0.01015
Std Dev 1.125

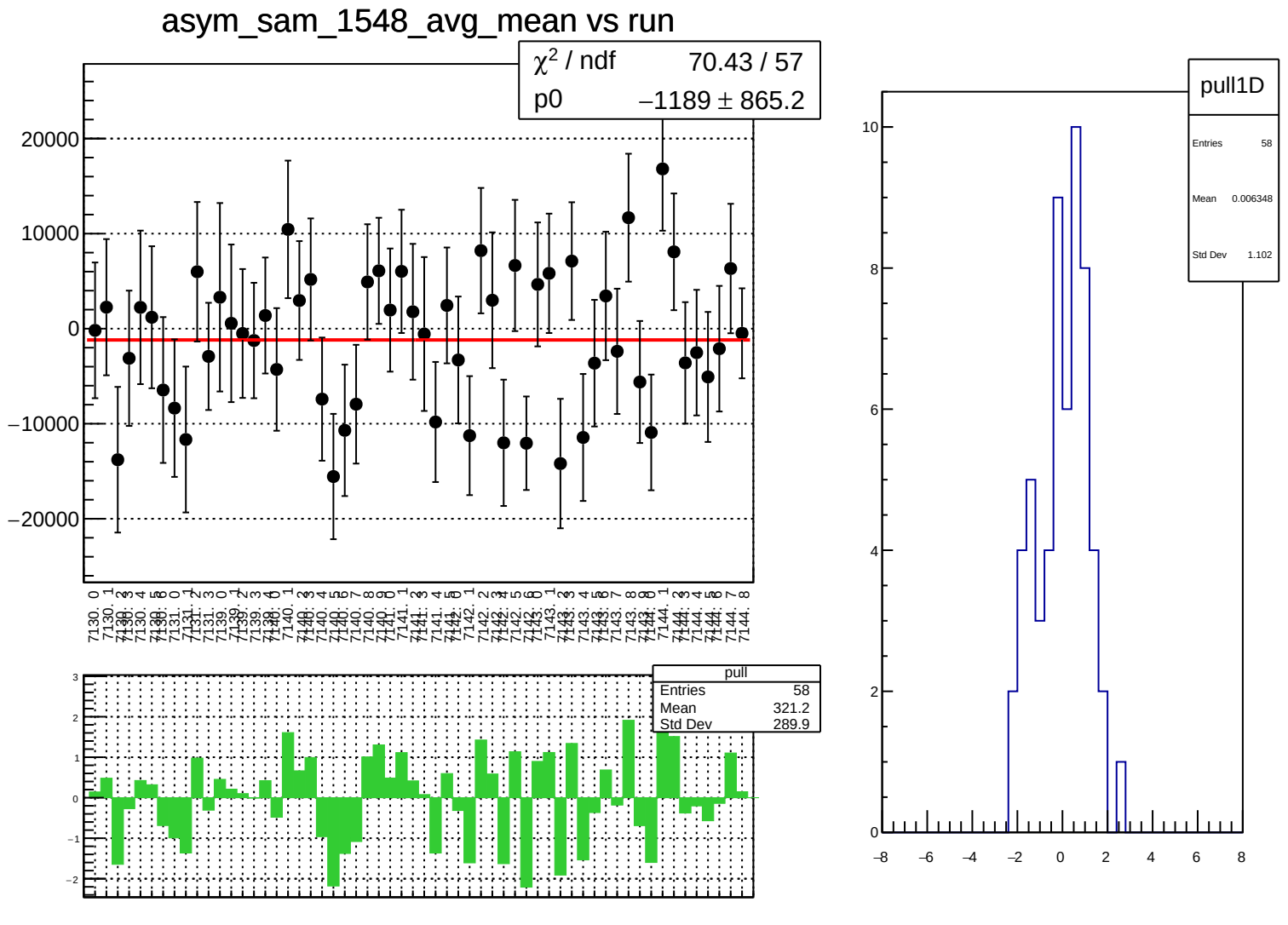

asym_sam_26_48_dd_rms vs run
χ² / ndf 6242 / 57
p0 466.7 ± 0.4447
650
600
550
500
450
400

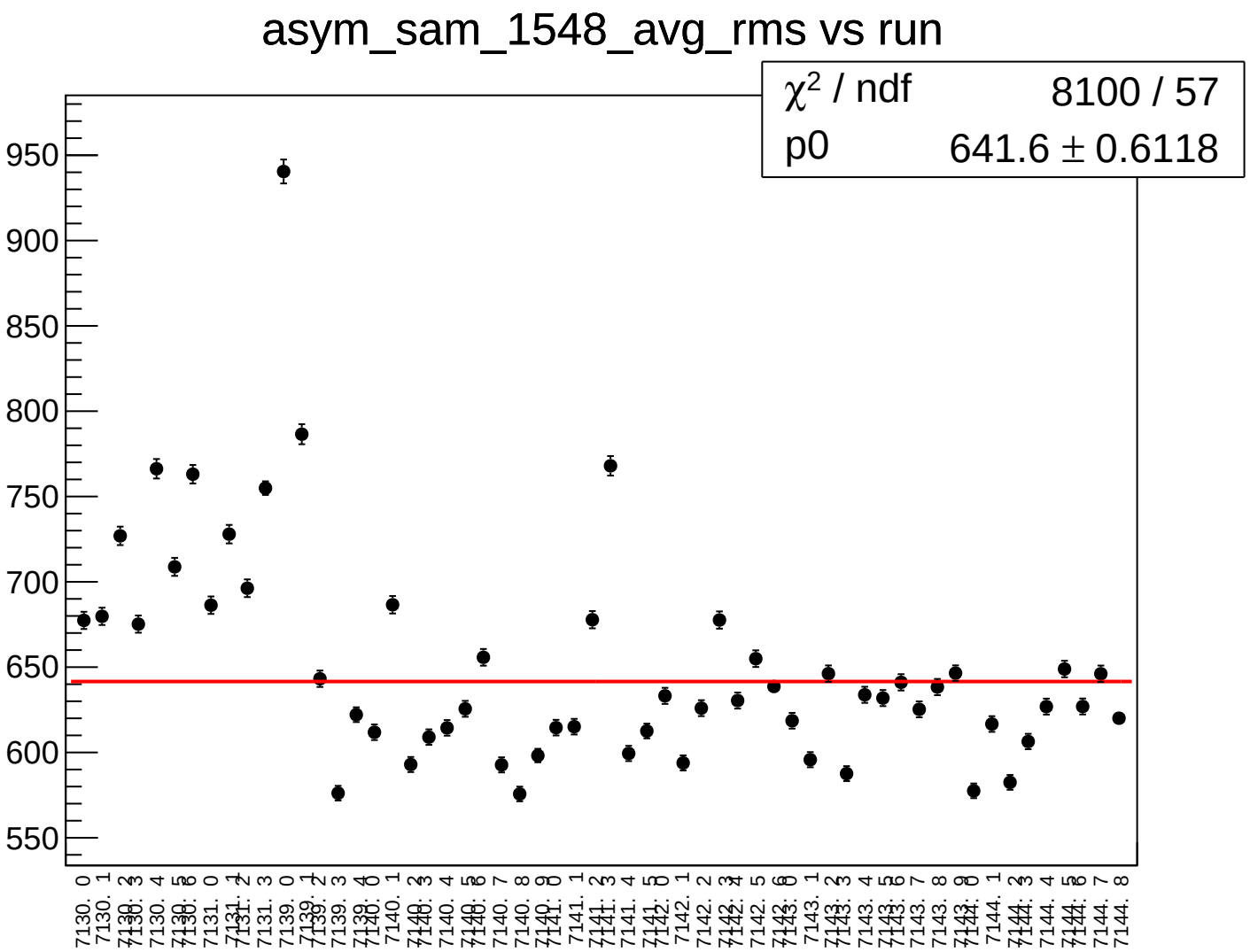

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 78.84 / 57
p0 −65.45 ± 187.8
pull
Entries 58
Mean 46.32
Std Dev 17.28
pull1D
Entries 58
Mean −0.07757
Std Dev 1.163

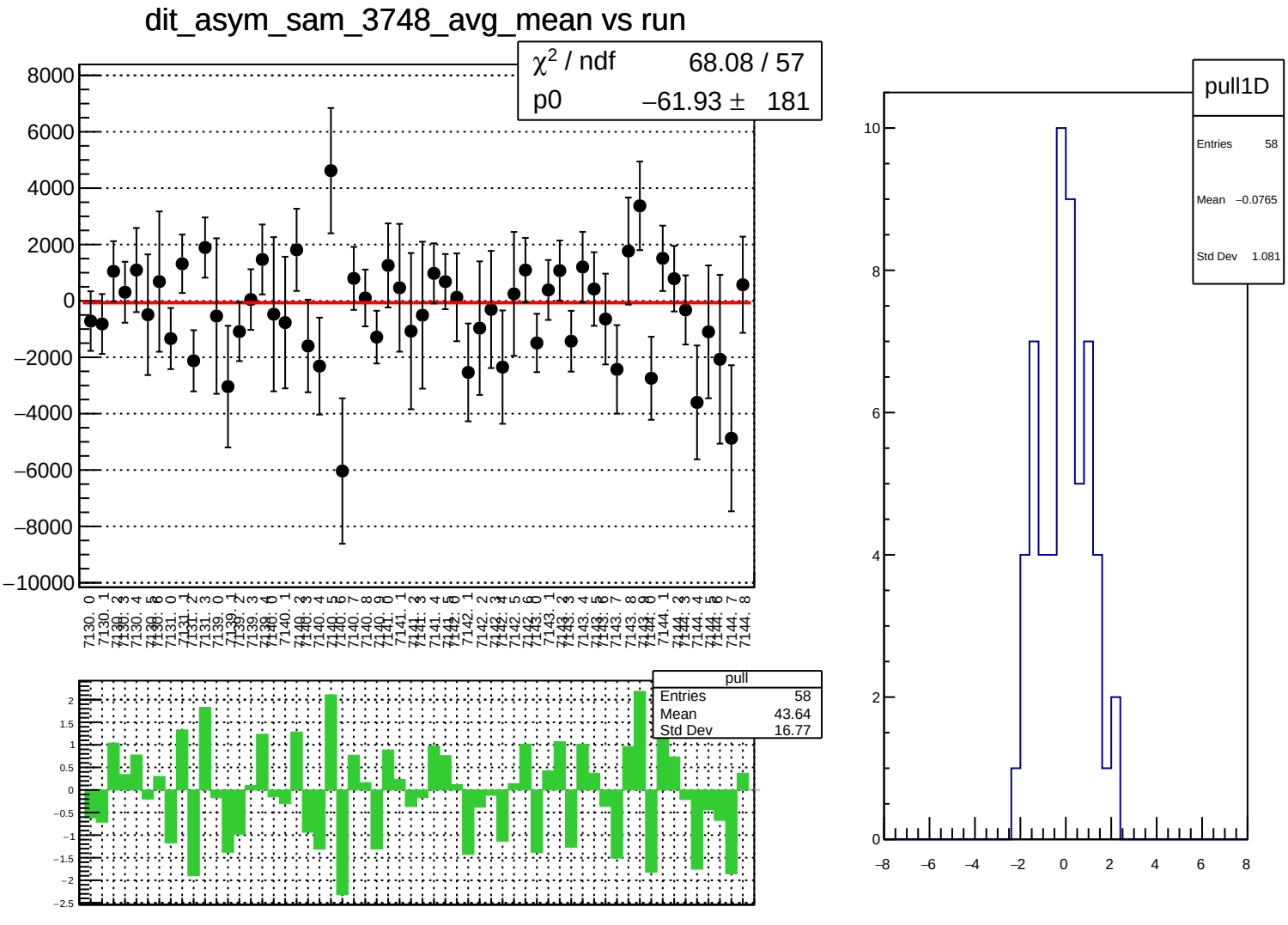

dit_asym_sam_1548_avg_rms vs run
χ2 / ndf 7.792e+04 / 57
p0 134.8 ± 0.1328
260
240
220
200
180
160
140
120
100


asym_sam_1548_avg_correction_mean vs run
χ² / ndf 72.5 / 57
p0 881 ± 895
pull
Entries 58
Mean 248.4
Std Dev 215.8
pull1D
Entries 58
Mean −0.009946
Std Dev 1.118

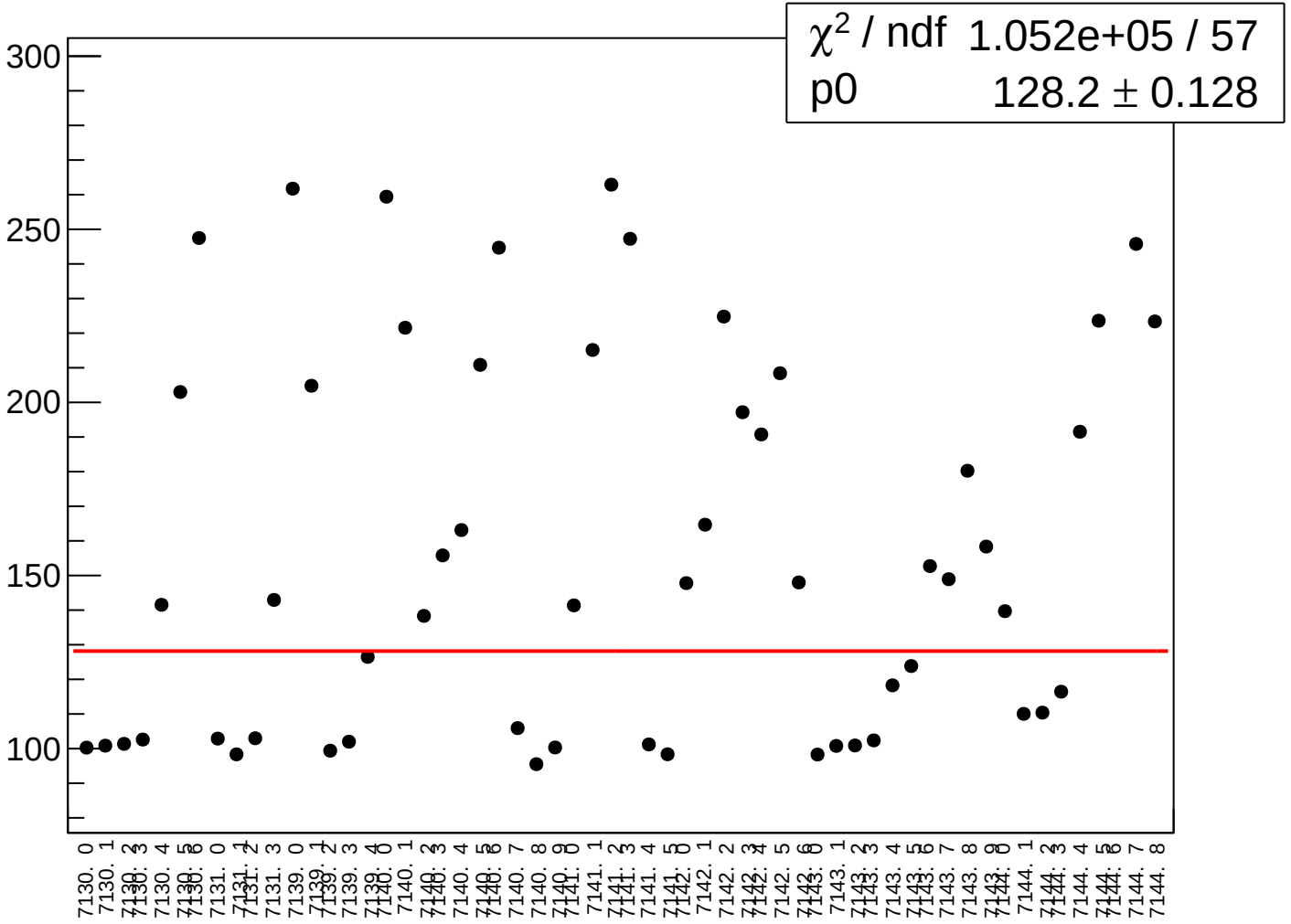

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 4557 / 57
p0 664.7 ± 0.6328
800
750
700
650
600

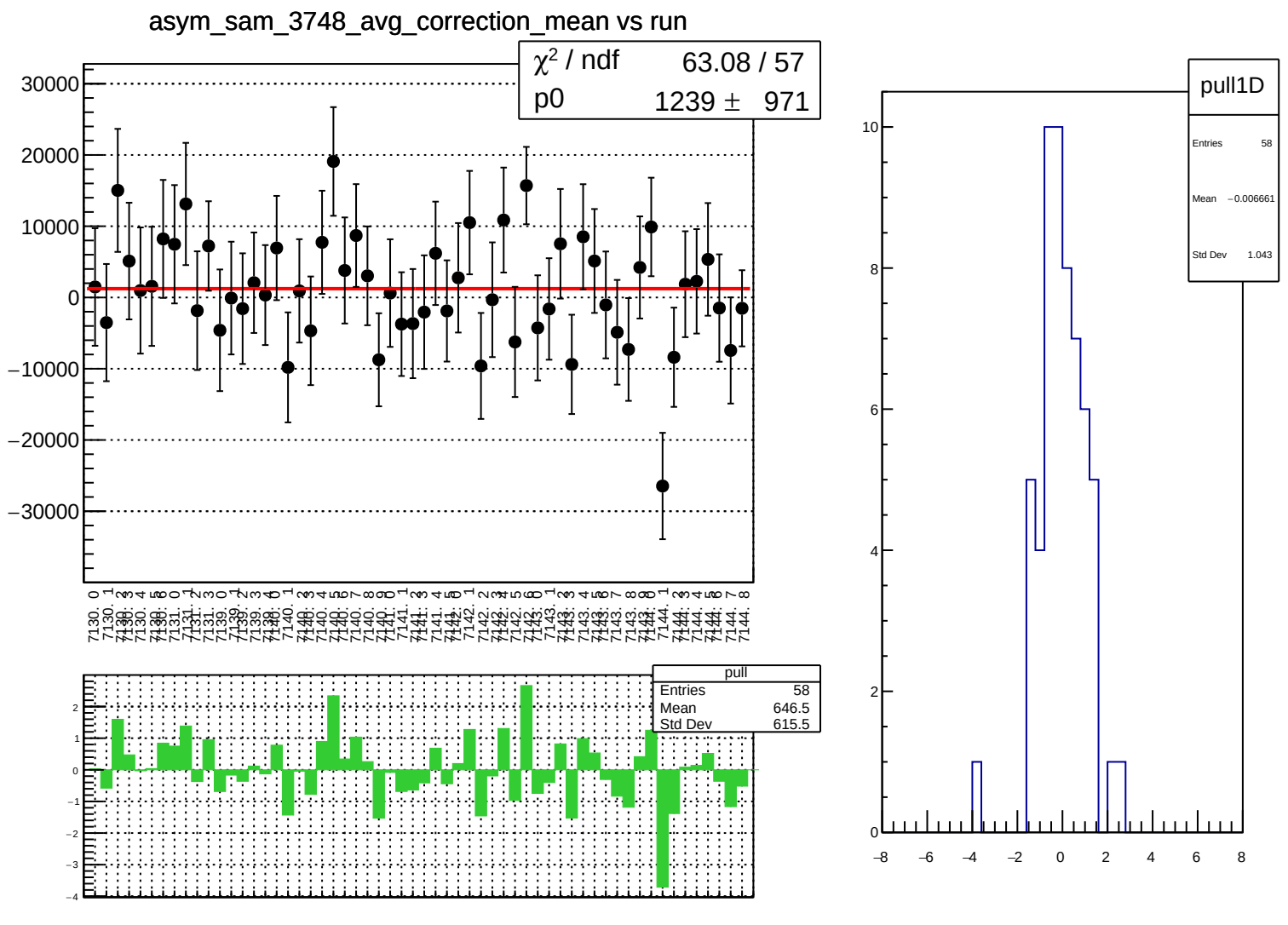

asym_sam_1548_avg_mean vs run
χ² / ndf 70.43 / 57
p0 −1189 ± 865.2
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 321.2
Std Dev 289.9
pull1D
Entries 58
Mean 0.006348
Std Dev 1.102

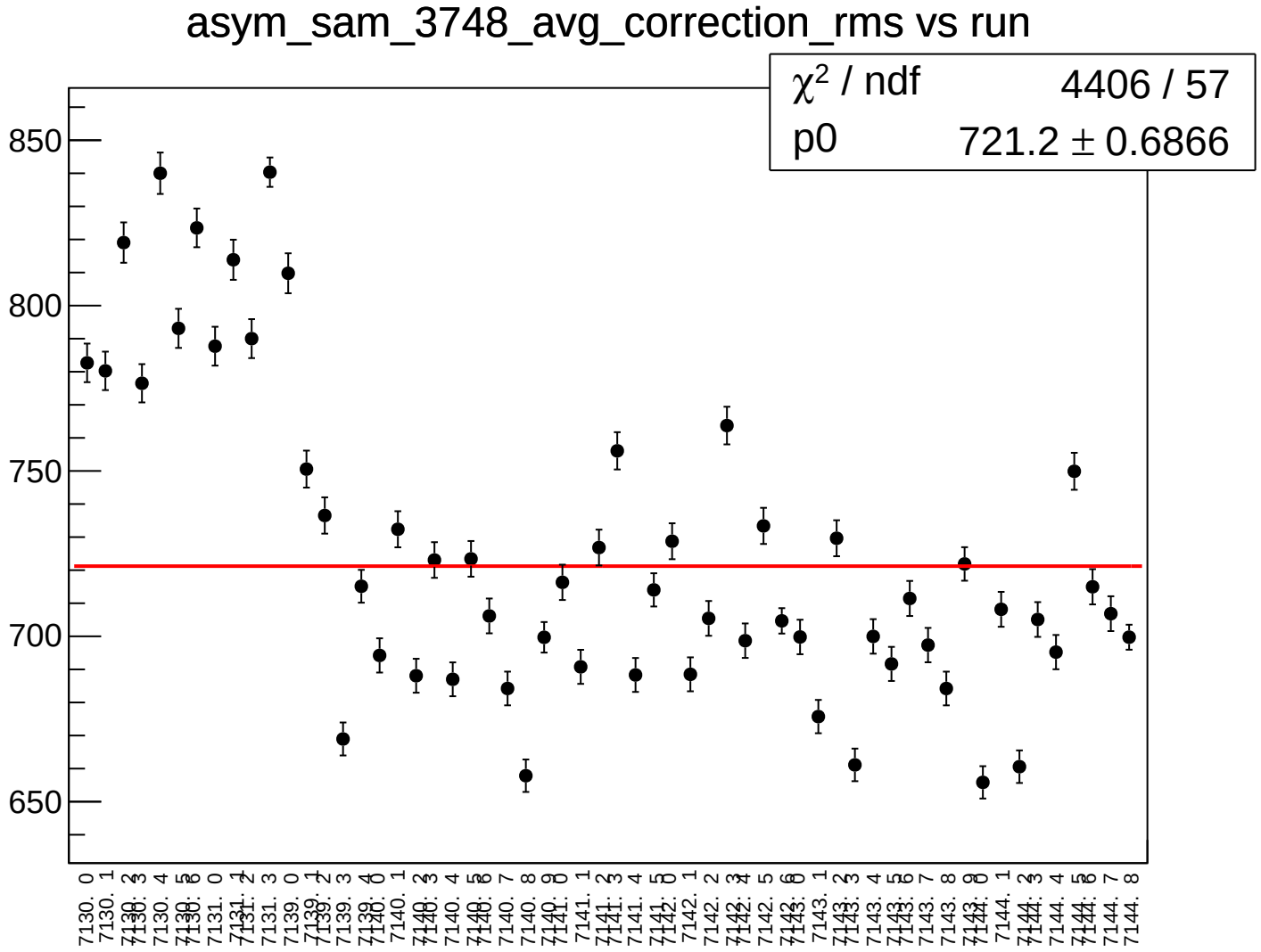

asym_sam_1548_avg_rms vs run
χ² / ndf 8100 / 57
p0 641.6 ± 0.6118
950
900
850
800
750
700
650
600
550
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

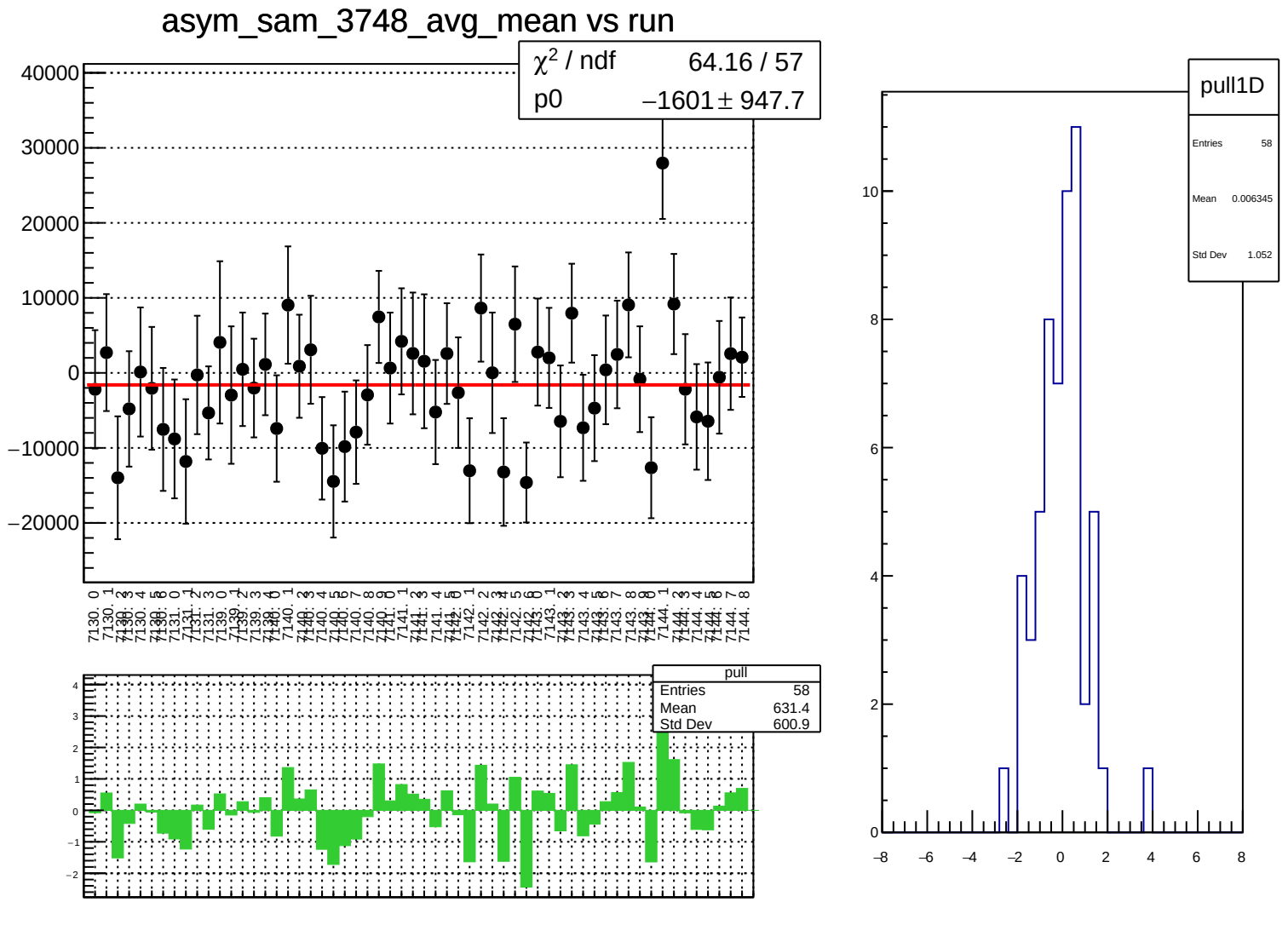

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 68.08 / 57
p0 −61.93 ± 181
pull
Entries 58
Mean 43.64
Std Dev 16.77
pull1D
Entries 58
Mean −0.0765
Std Dev 1.081

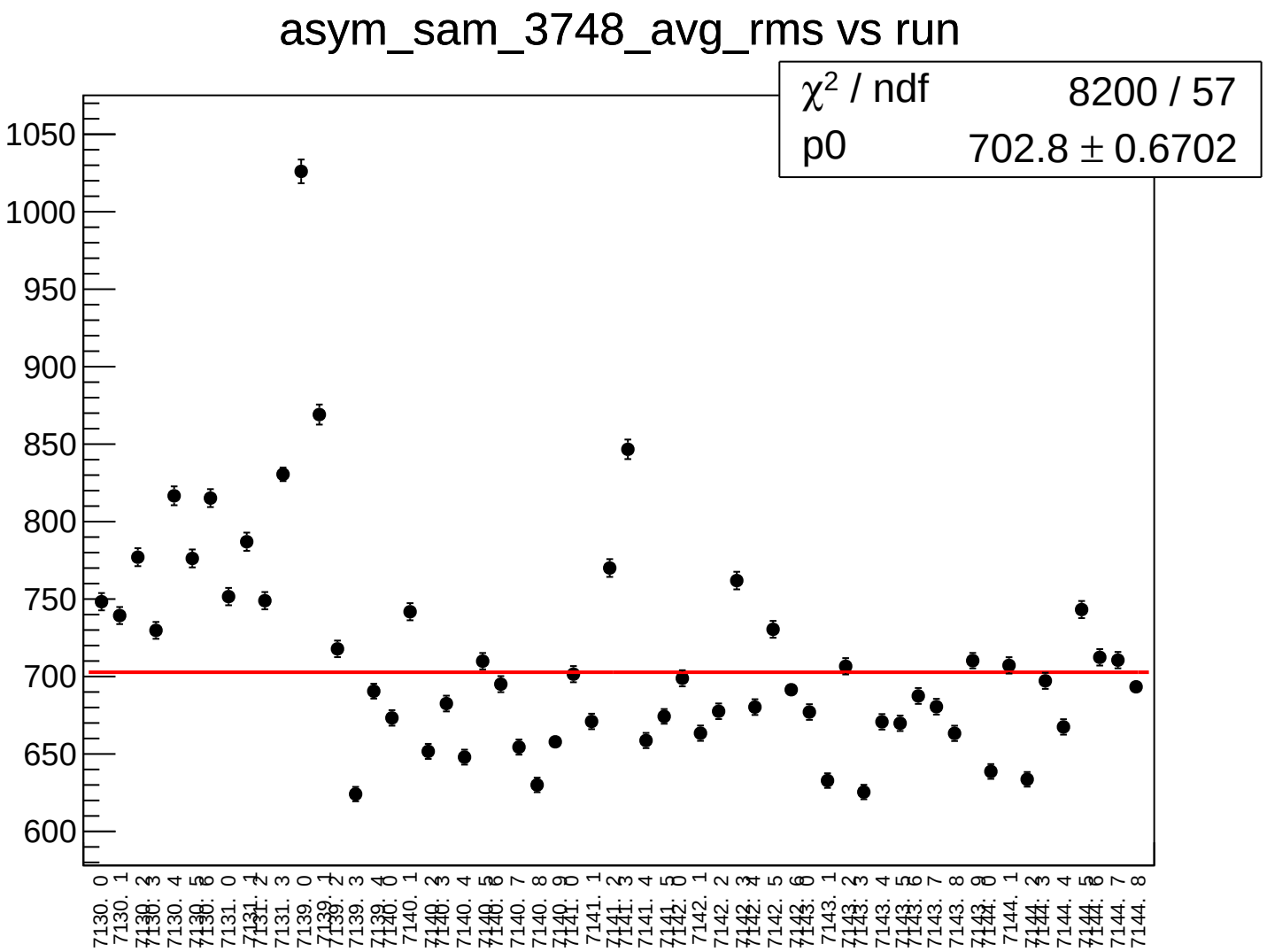
dit_asym_sam_3748_avg_rms vs run

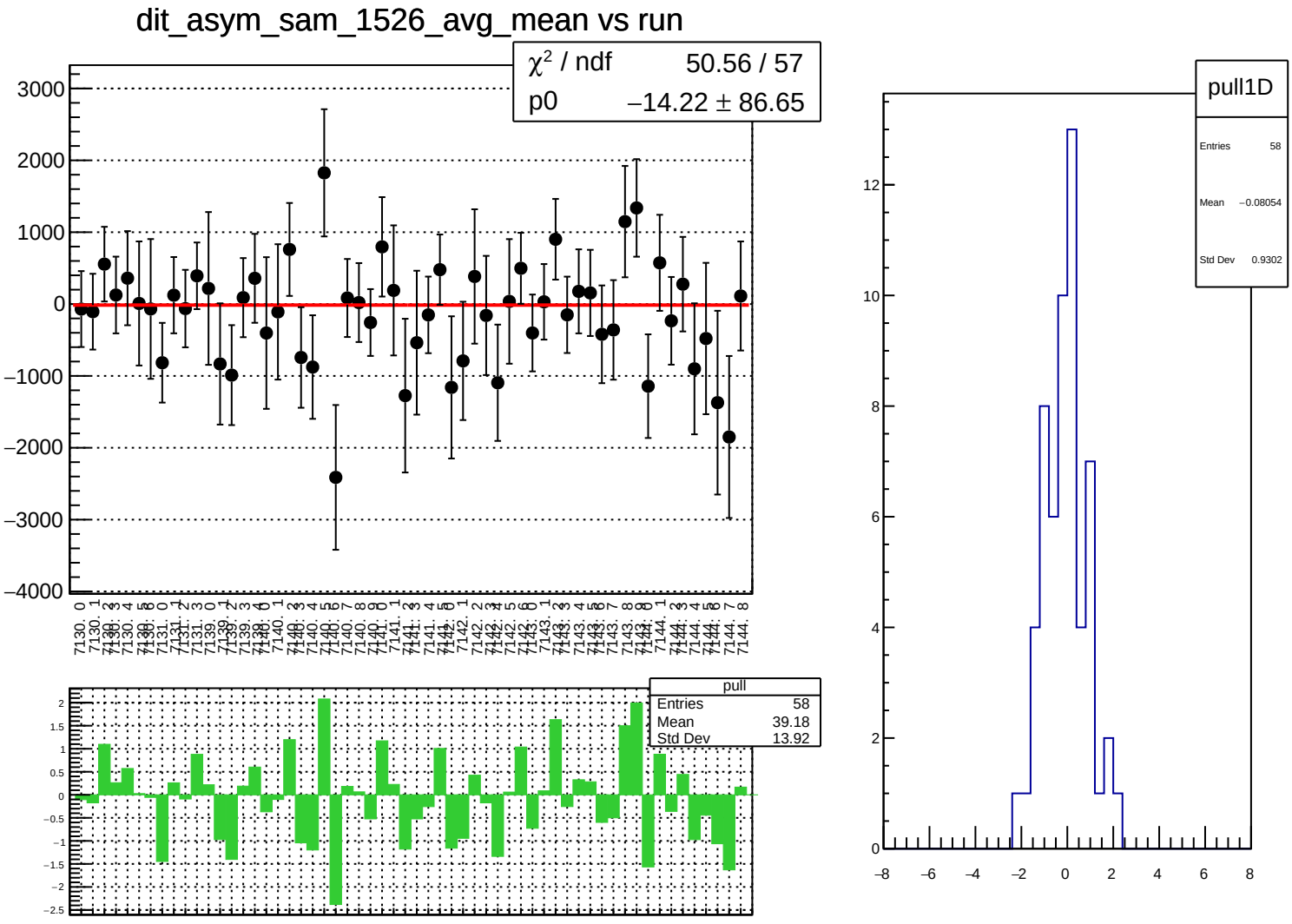



asym_sam_3748_avg_correction_mean vs run
χ² / ndf 63.08 / 57
p0 1239 ± 971
pull
Entries 58
Mean 646.5
Std Dev 615.5
pull1D
Entries 58
Mean −0.006661
Std Dev 1.043

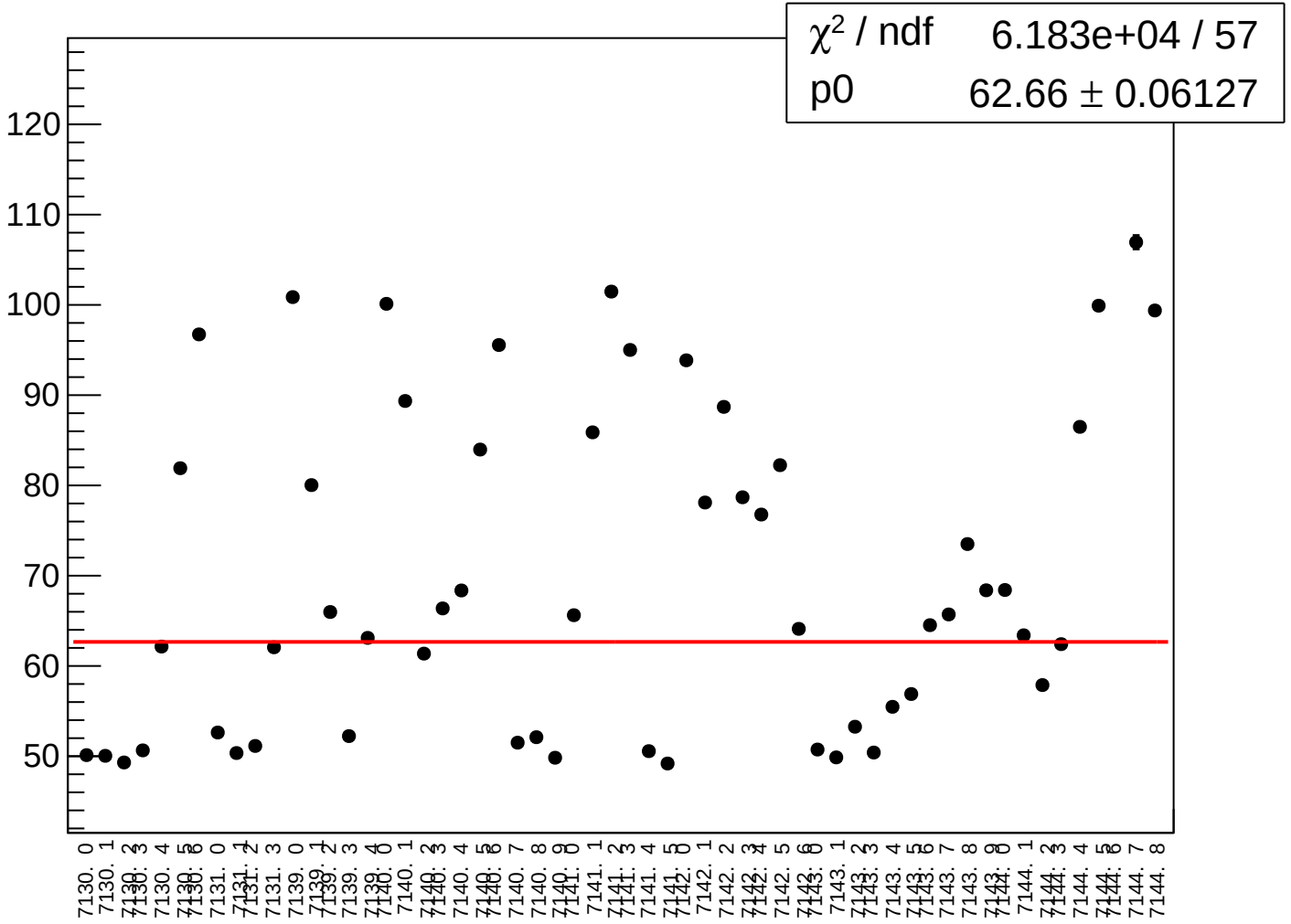

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 4406 / 57
p0 721.2 ± 0.6866
850
800
750
700
650

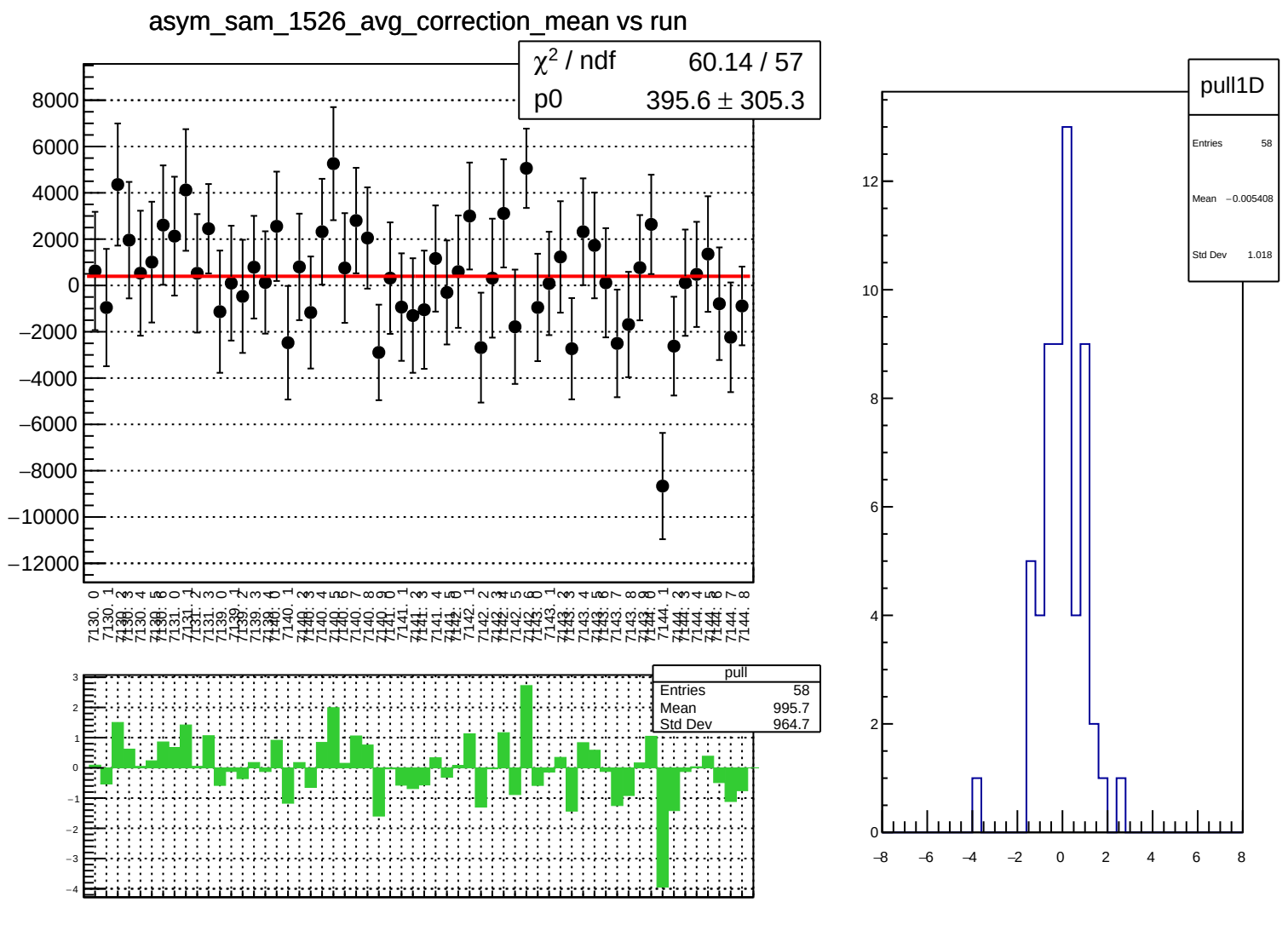

asym_sam_3748_avg_mean vs run
χ² / ndf 64.16 / 57
p0 −1601 ± 947.7
pull
Entries 58
Mean 631.4
Std Dev 600.9
pull1D
Entries 58
Mean 0.006345
Std Dev 1.052

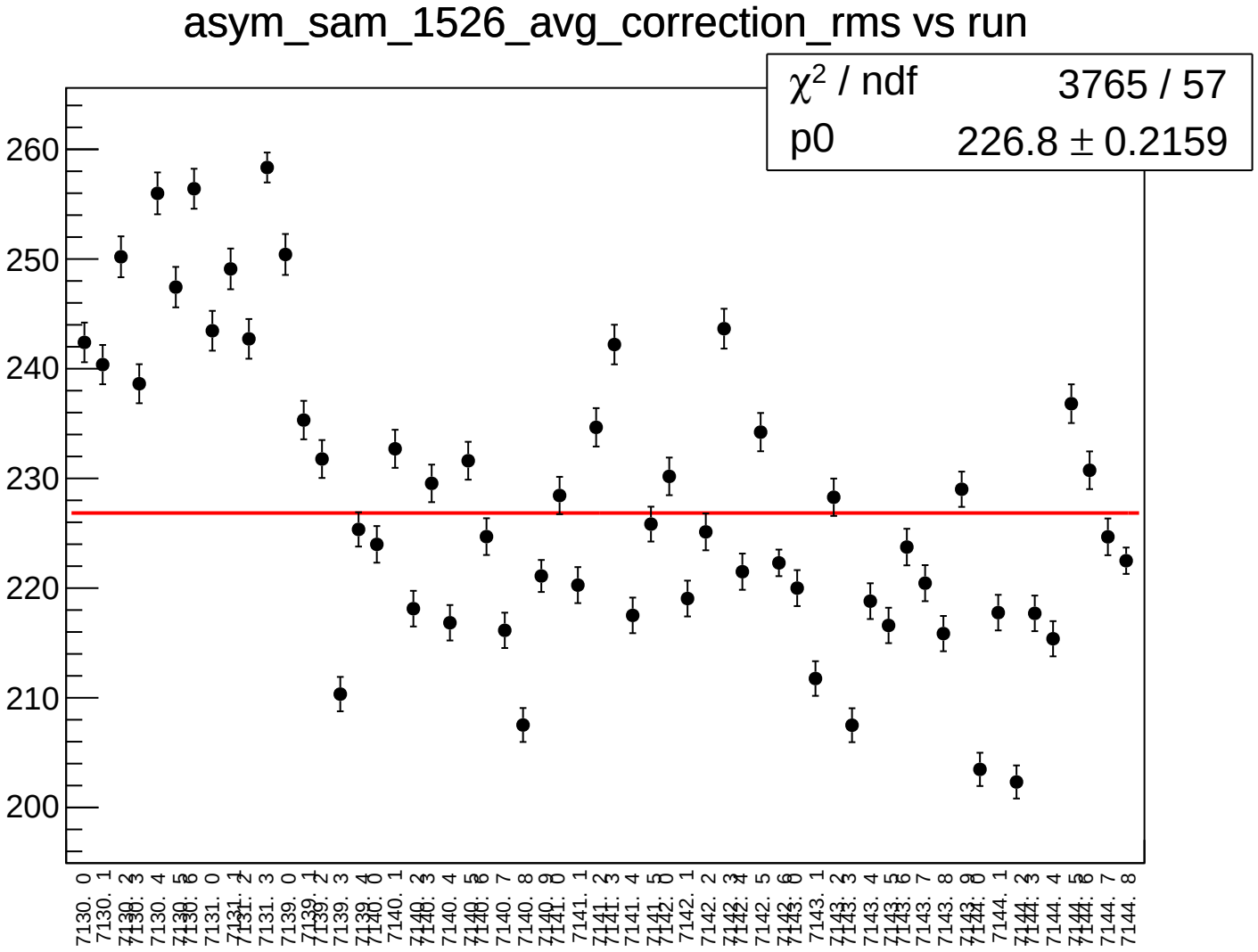

asym_sam_3748_avg_rms vs run
χ2 / ndf 8200 / 57
p0 702.8 ± 0.6702
1050
1000
950
900
850
800
750
700
650
600
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

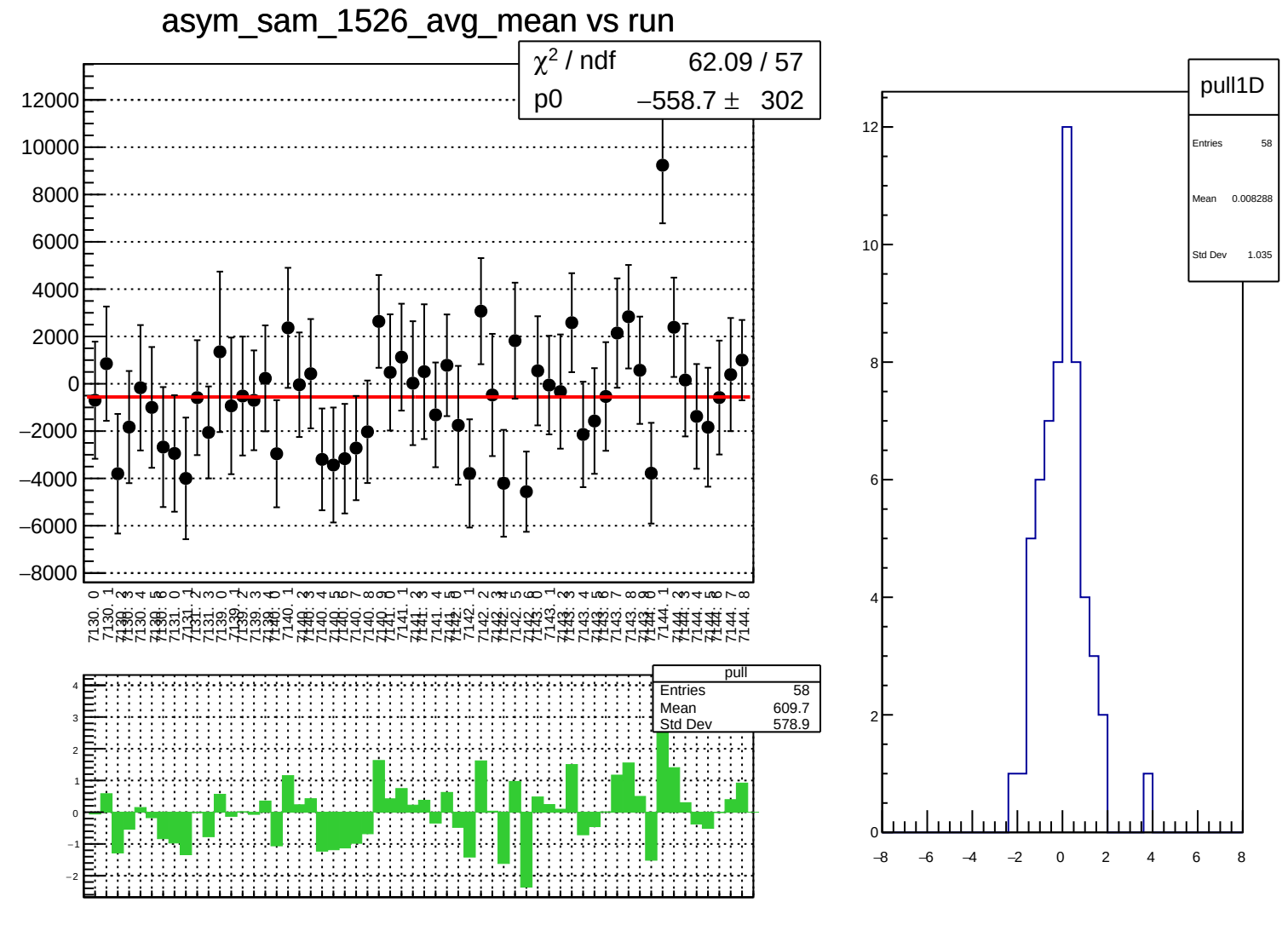

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 50.56 / 57
p0 −14.22 ± 86.65
pull
Entries 58
Mean 39.18
Std Dev 13.92
pull1D
Entries 58
Mean −0.08054
Std Dev 0.9302

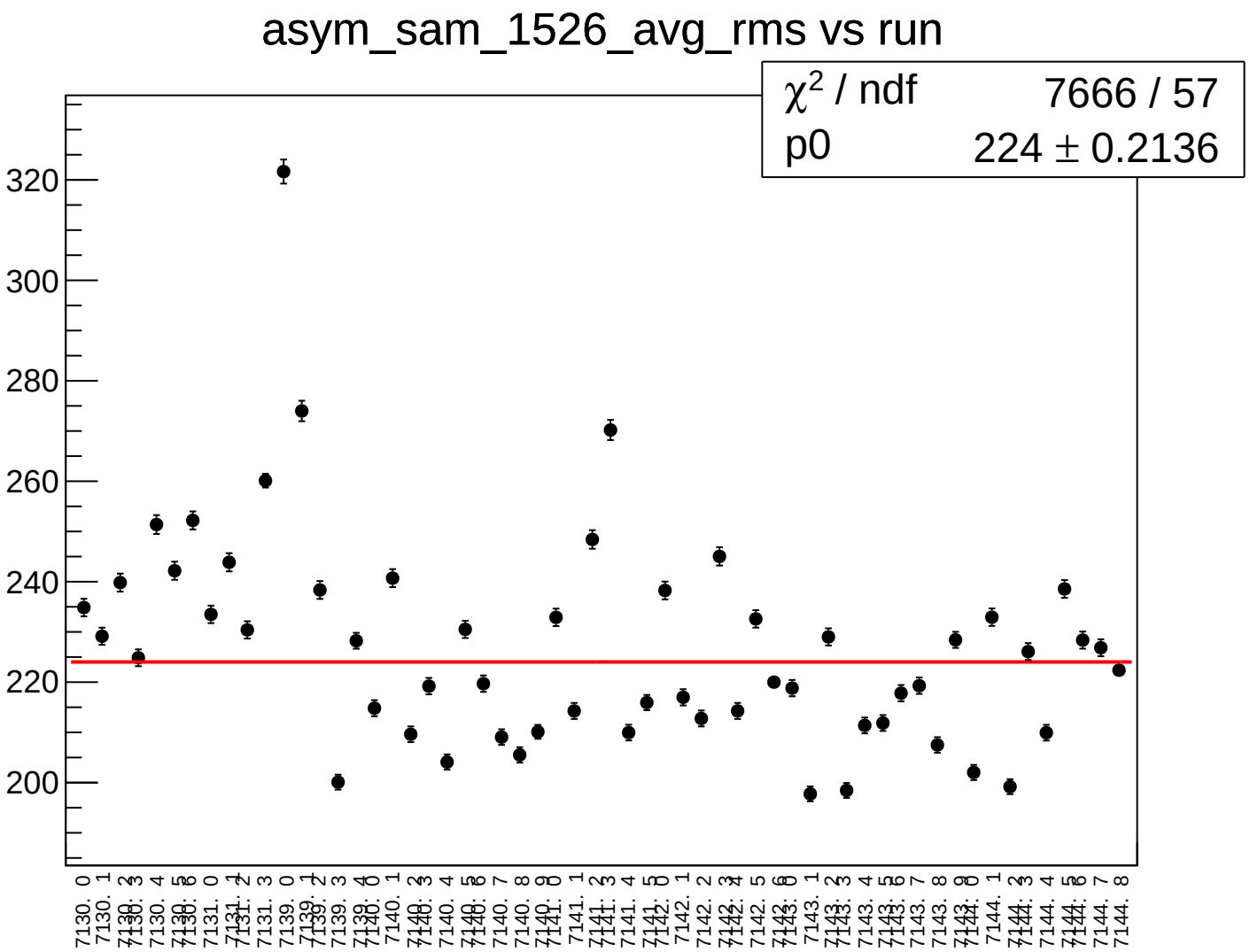
dit_asym_sam_1526_avg_rms vs run

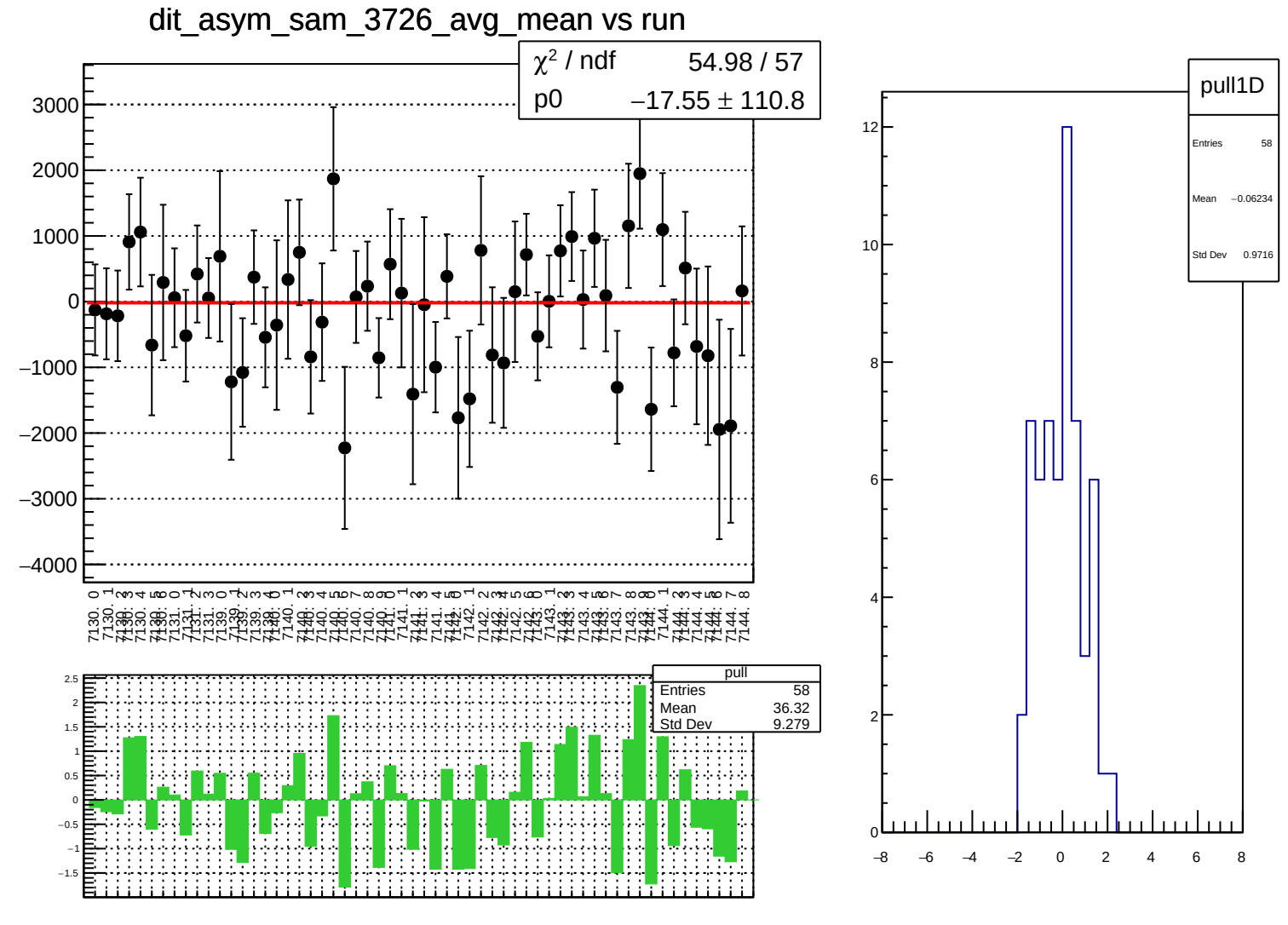



asym_sam_1526_avg_correction_mean vs run
χ² / ndf 60.14 / 57
p0 395.6 ± 305.3
pull
Entries 58
Mean 995.7
Std Dev 964.7
pull1D
Entries 58
Mean −0.005408
Std Dev 1.018

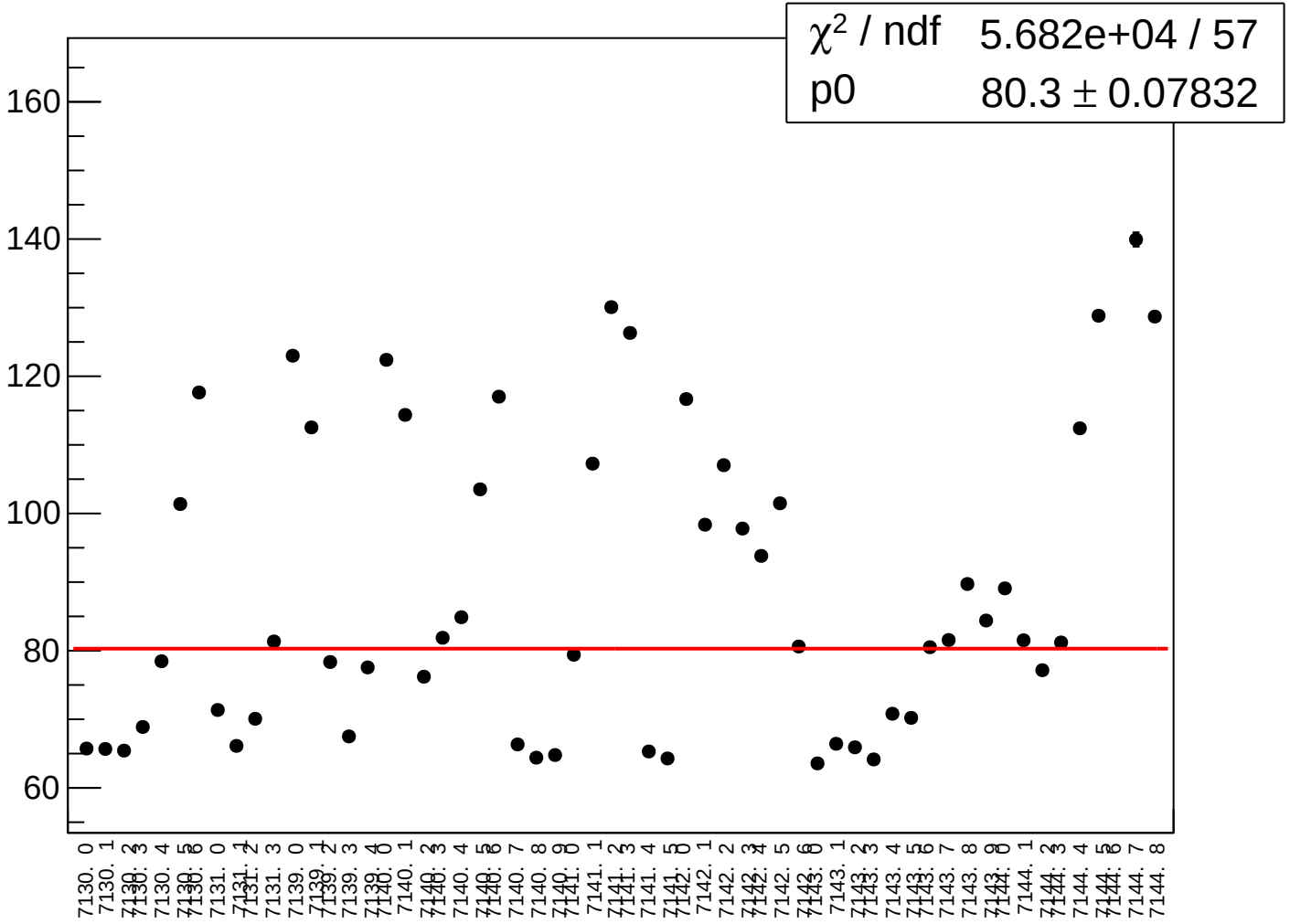

asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 3765 / 57
p0 226.8 ± 0.2159
260
250
240
230
220
210
200

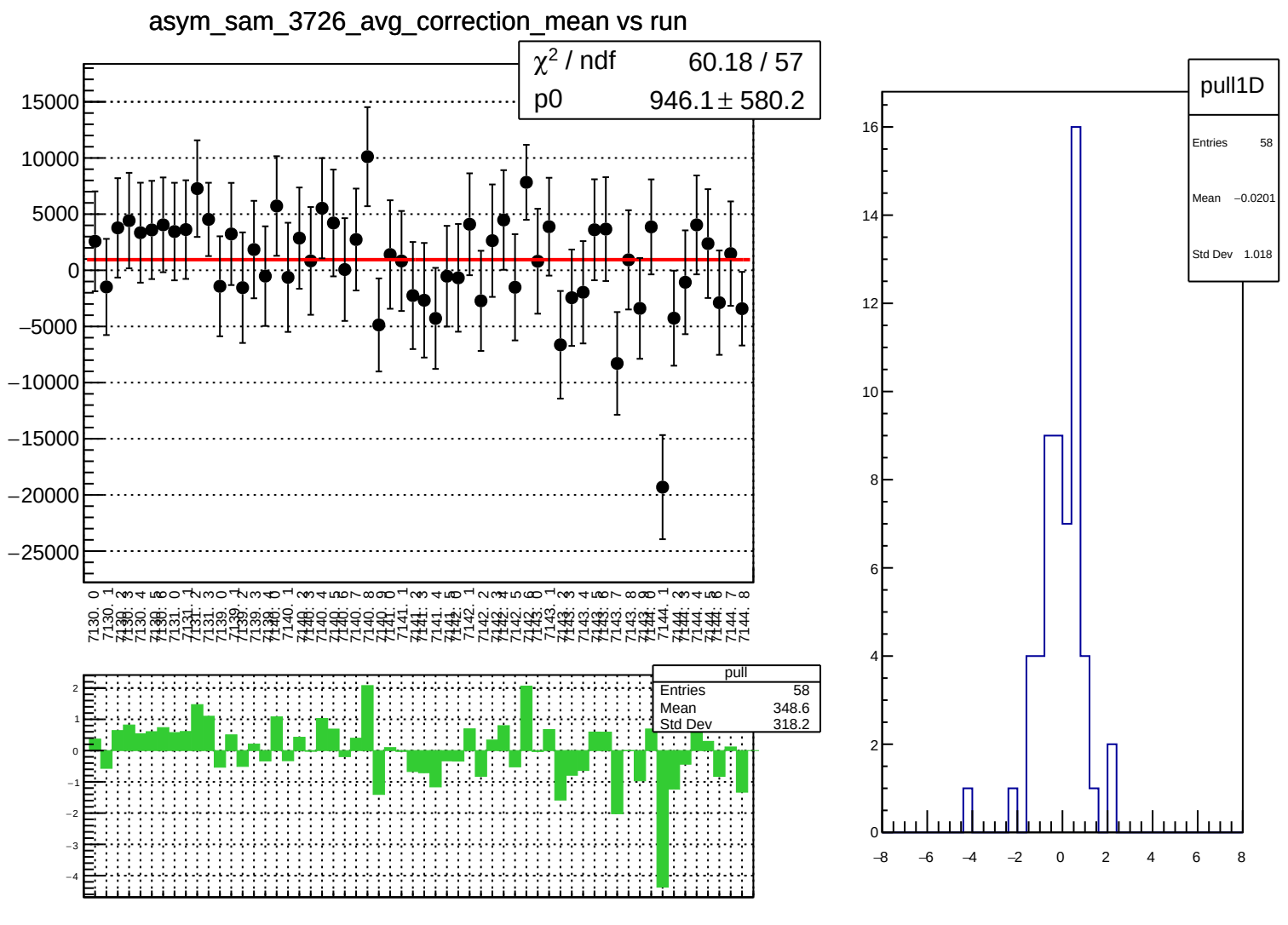

asym_sam_1526_avg_mean vs run
χ² / ndf 62.09 / 57
p0 −558.7 ± 302
pull
Entries 58
Mean 609.7
Std Dev 578.9
pull1D
Entries 58
Mean 0.008288
Std Dev 1.035

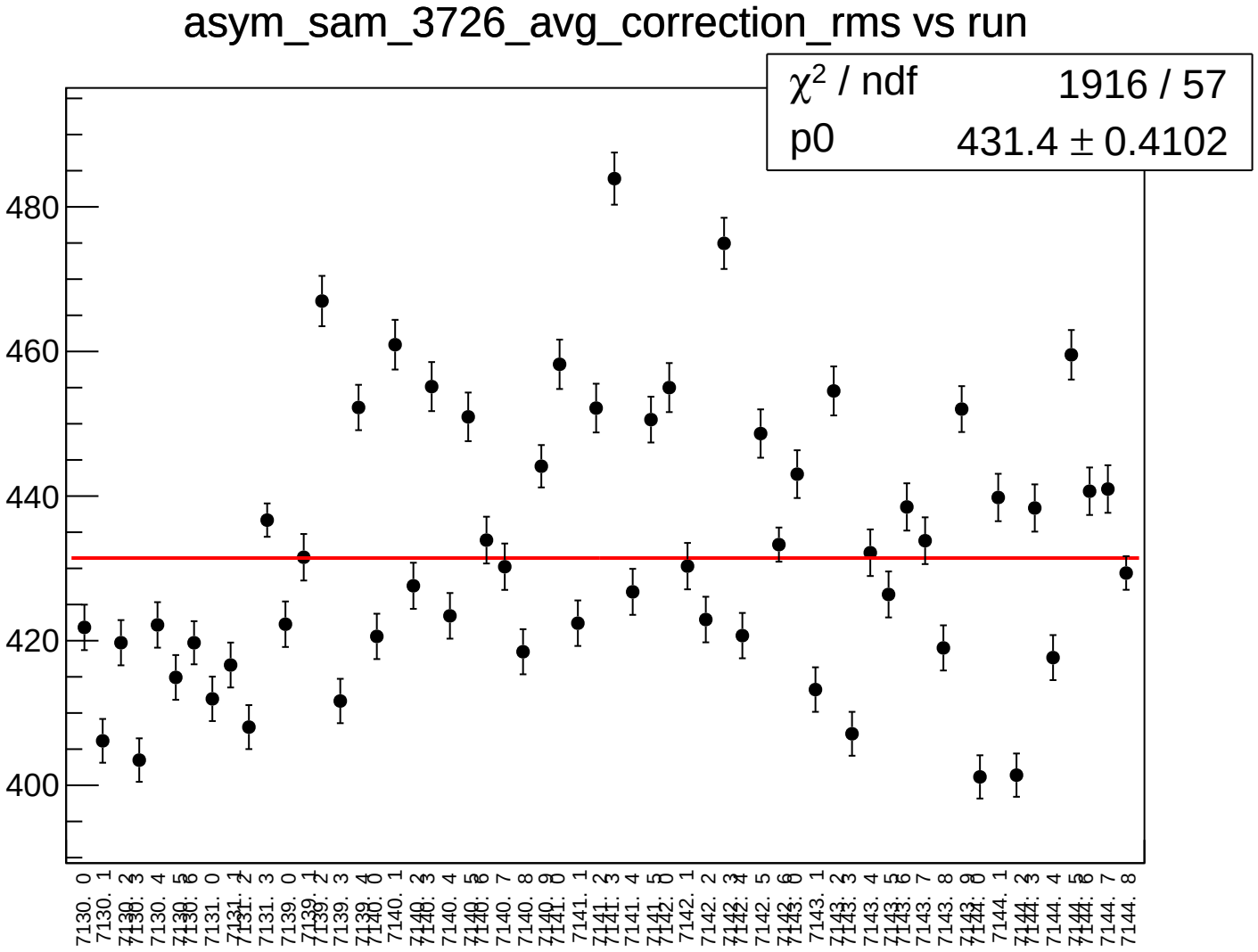

asym_sam_1526_avg_rms vs run
χ² / ndf 7666 / 57
p0 224 ± 0.2136
320
300
280
260
240
220
200
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

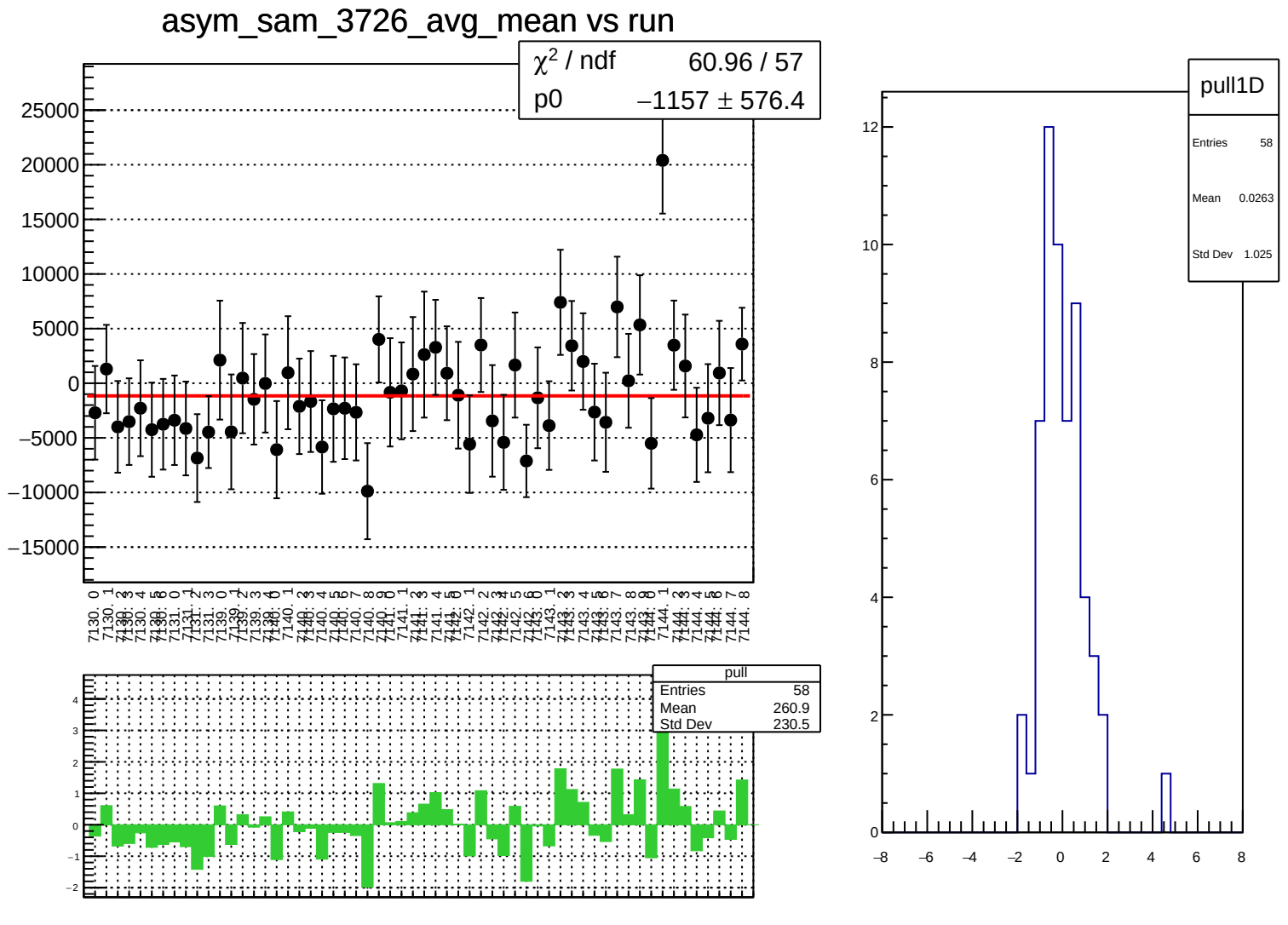

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 54.98 / 57
p0 −17.55 ± 110.8
pull
Entries 58
Mean 36.32
Std Dev 9.279
pull1D
Entries 58
Mean −0.06234
Std Dev 0.9716

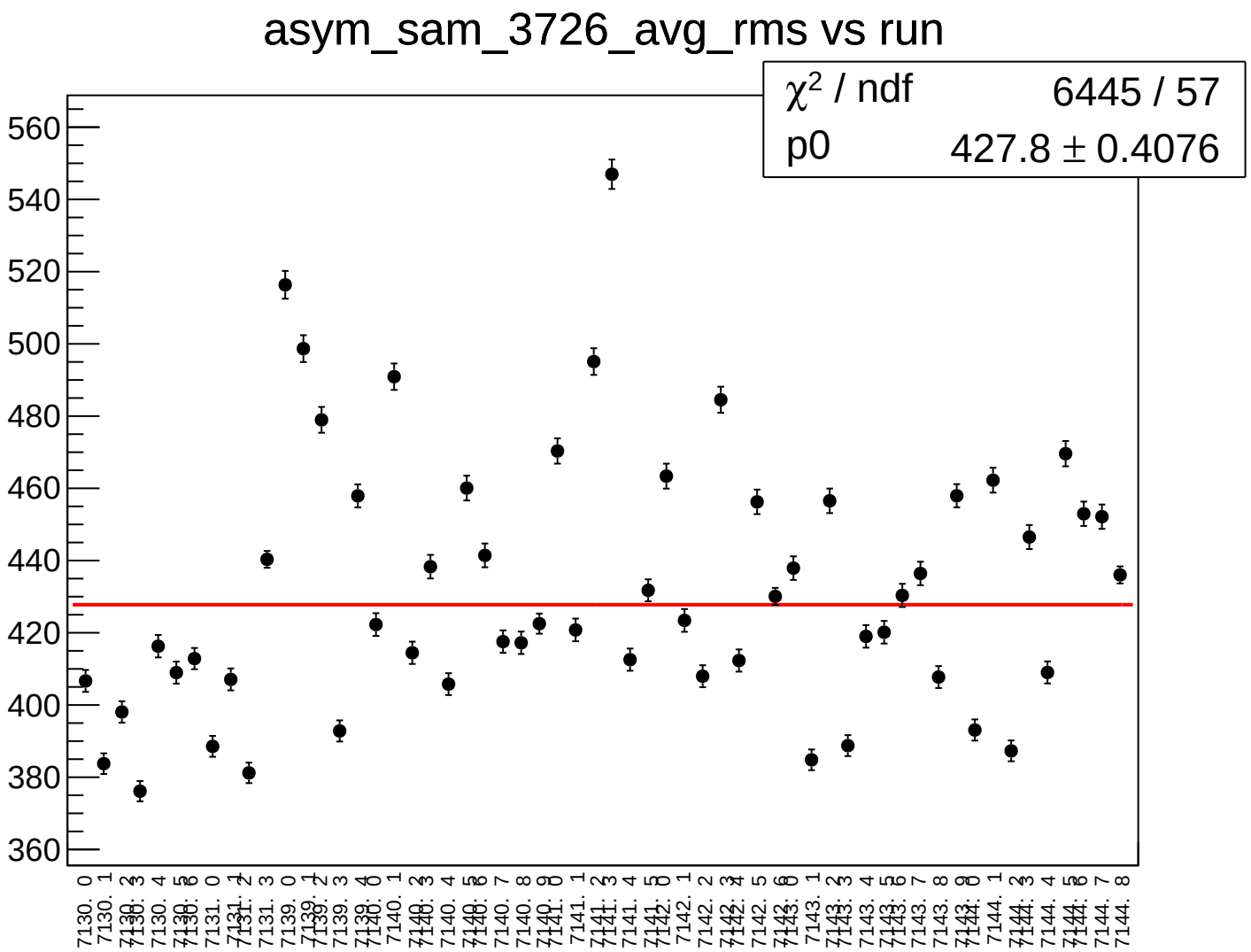
dit_asym_sam_3726_avg_rms vs run




asym_sam_3726_avg_correction_mean vs run
χ² / ndf 60.18 / 57
p0 946.1 ± 580.2
pull
Entries 58
Mean 348.6
Std Dev 318.2
pull1D
Entries 58
Mean −0.0201
Std Dev 1.018


asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 1916 / 57
p0 431.4 ± 0.4102
480
460
440
420
400


asym_sam_3726_avg_mean vs run
χ² / ndf 60.96 / 57
p0 −1157 ± 576.4
pull
Entries 58
Mean 260.9
Std Dev 230.5
pull1D
Entries 58
Mean 0.0263
Std Dev 1.025


asym_sam_3726_avg_rms vs run
χ² / ndf 6445 / 57
p0 427.8 ± 0.4076
560
540
520
500
480
460
440
420
400
380
360
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
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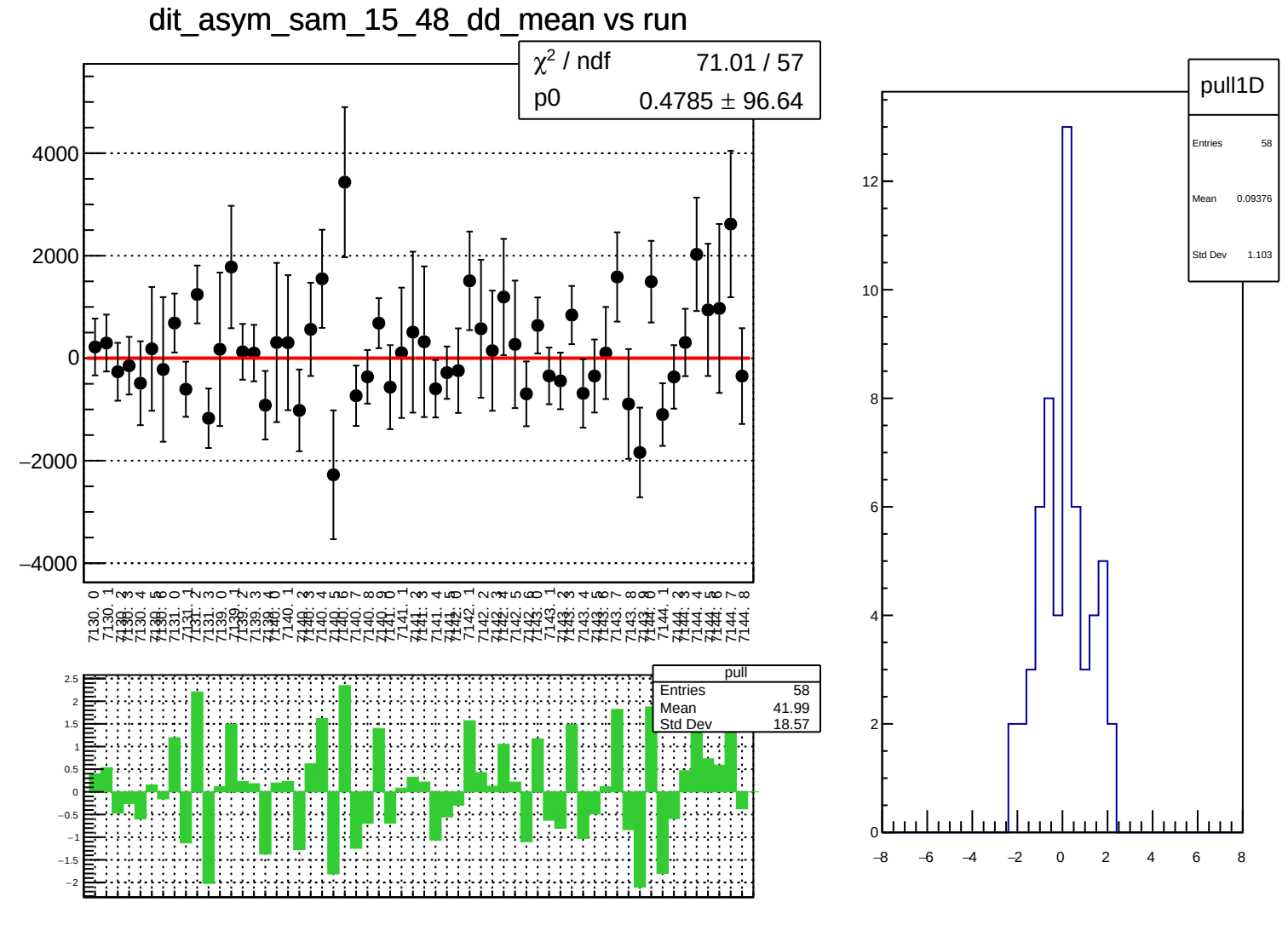
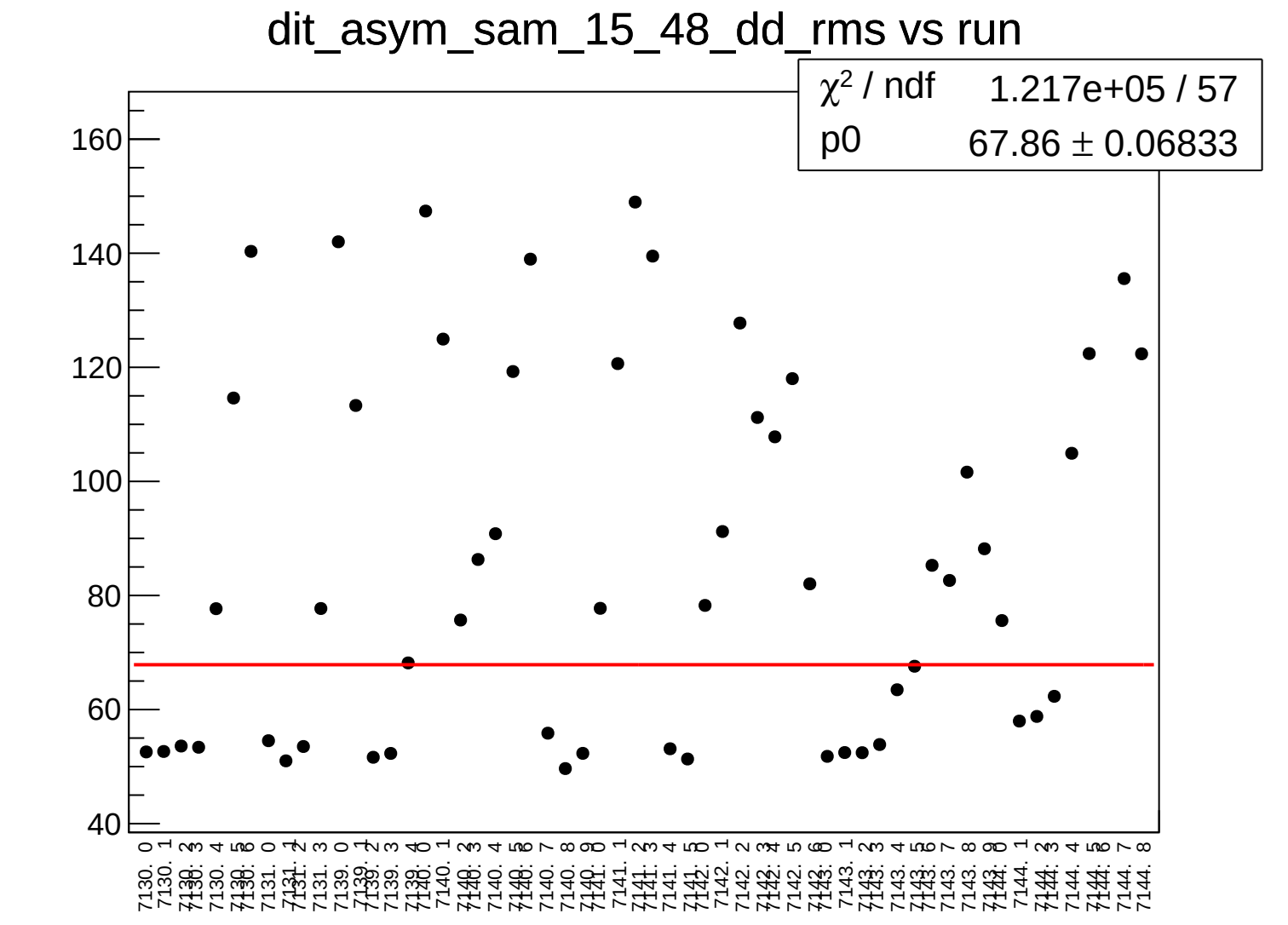
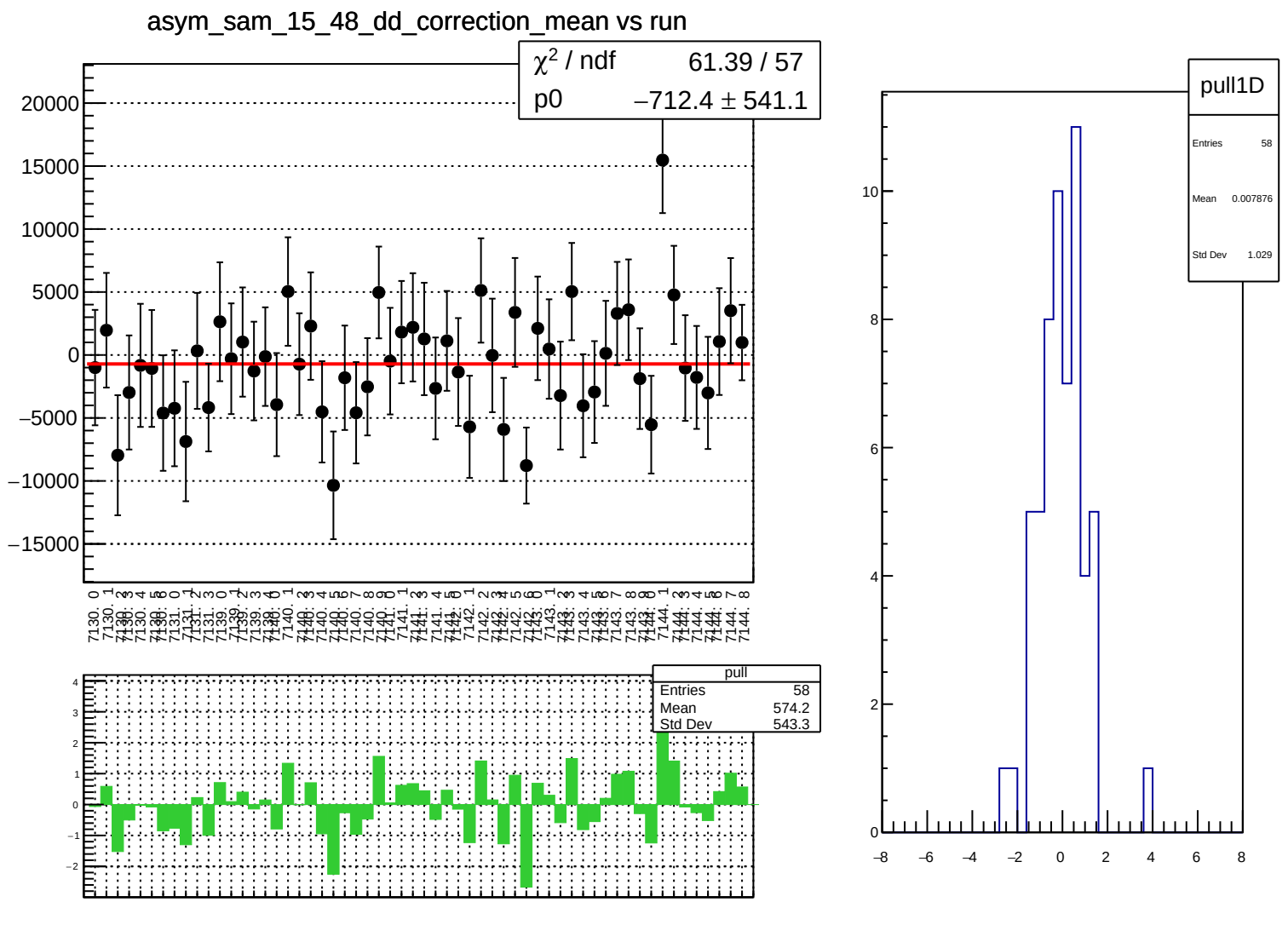
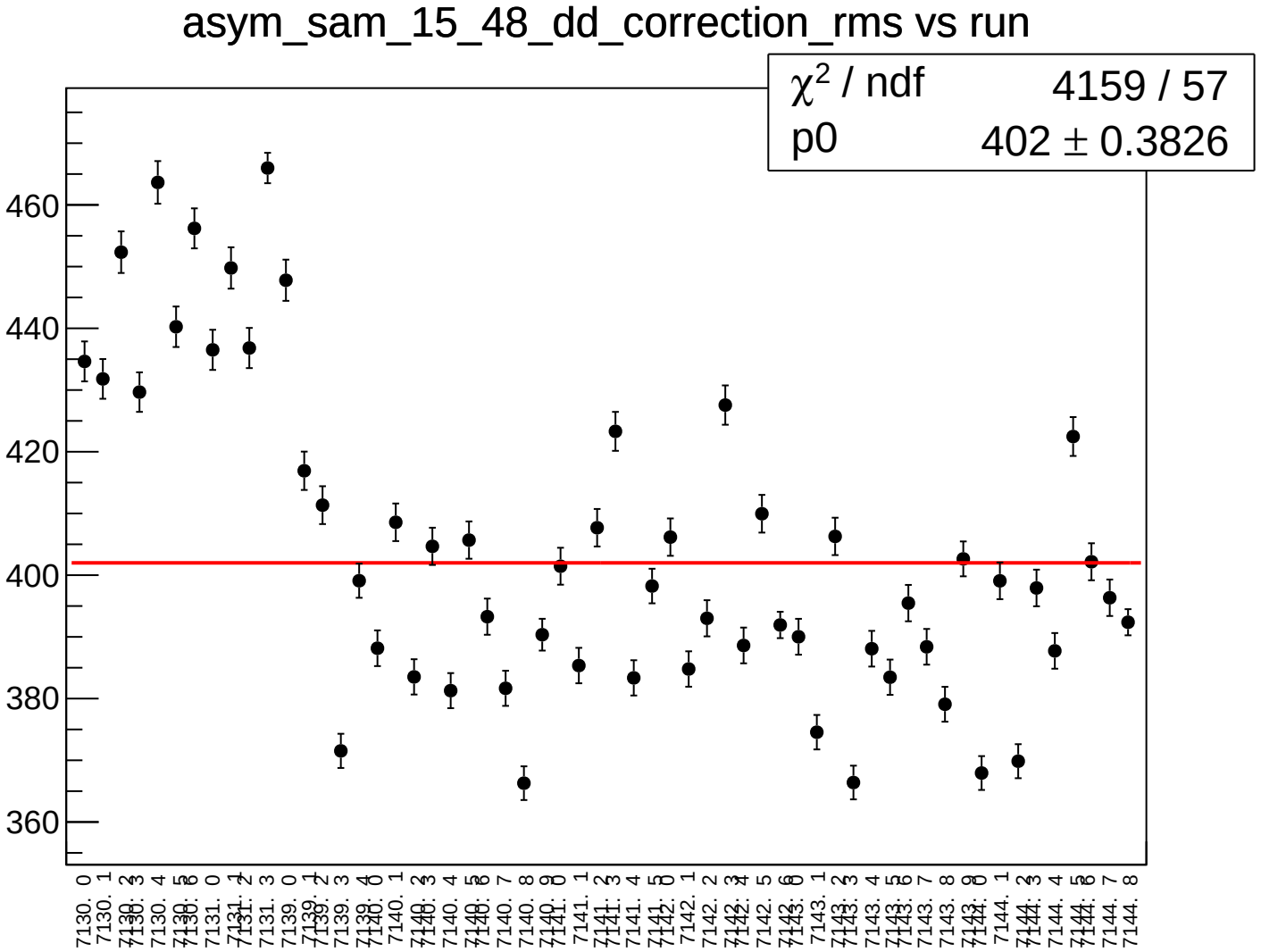
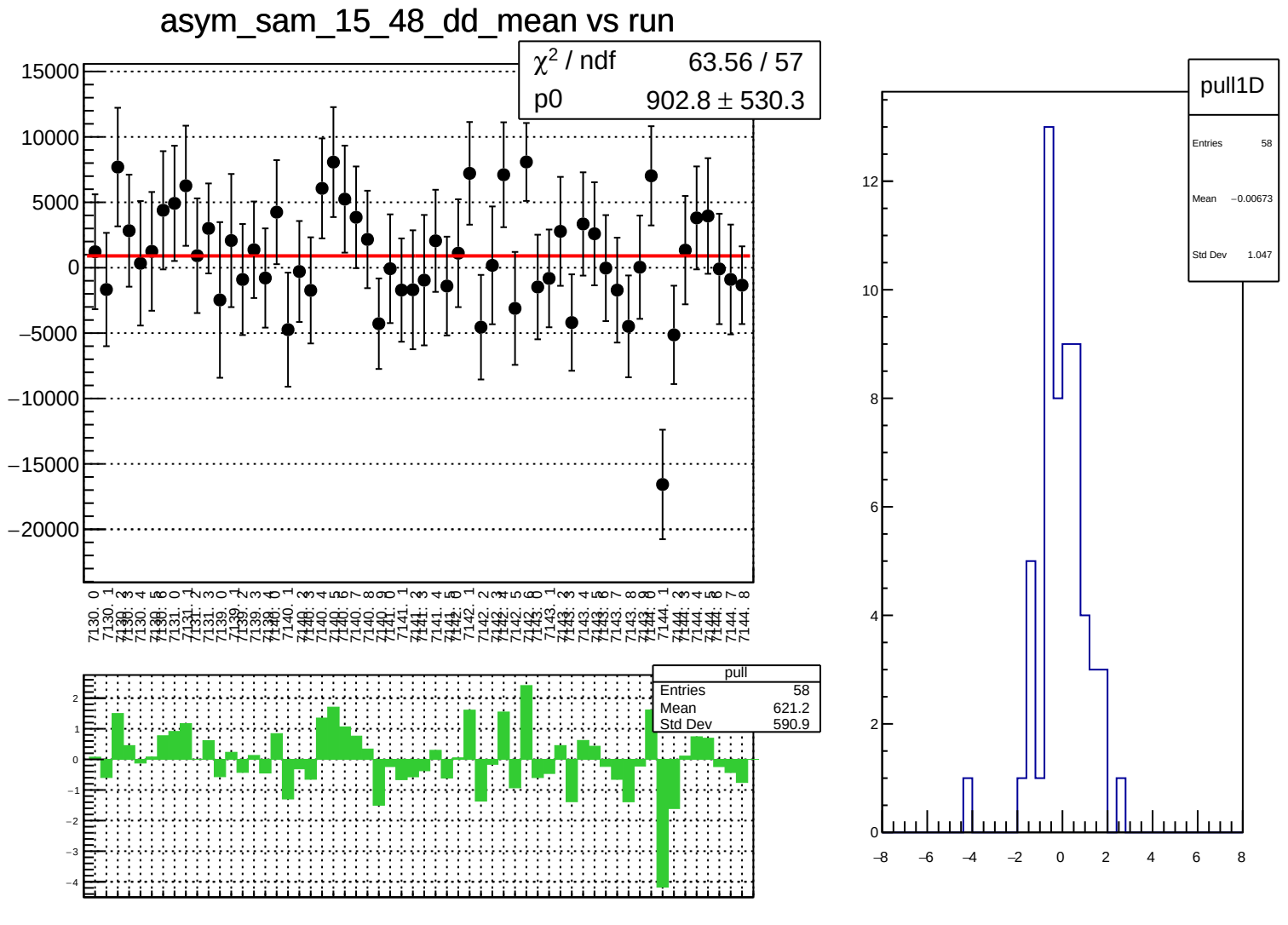
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

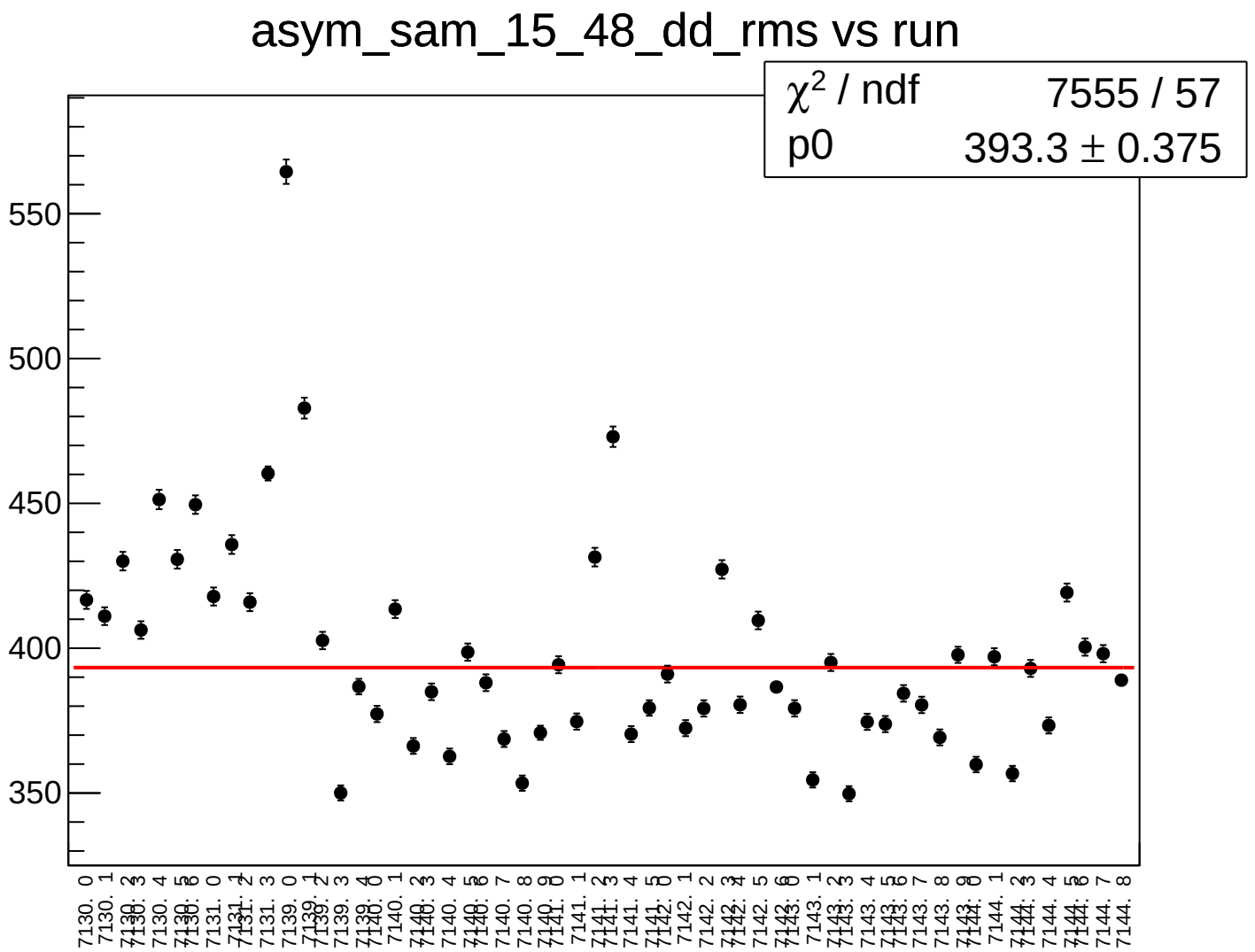

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 71.01 / 57
p0 0.4785 ± 96.64
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 41.99
Std Dev 18.57
pull1D
Entries 58
Mean 0.09376
Std Dev 1.103

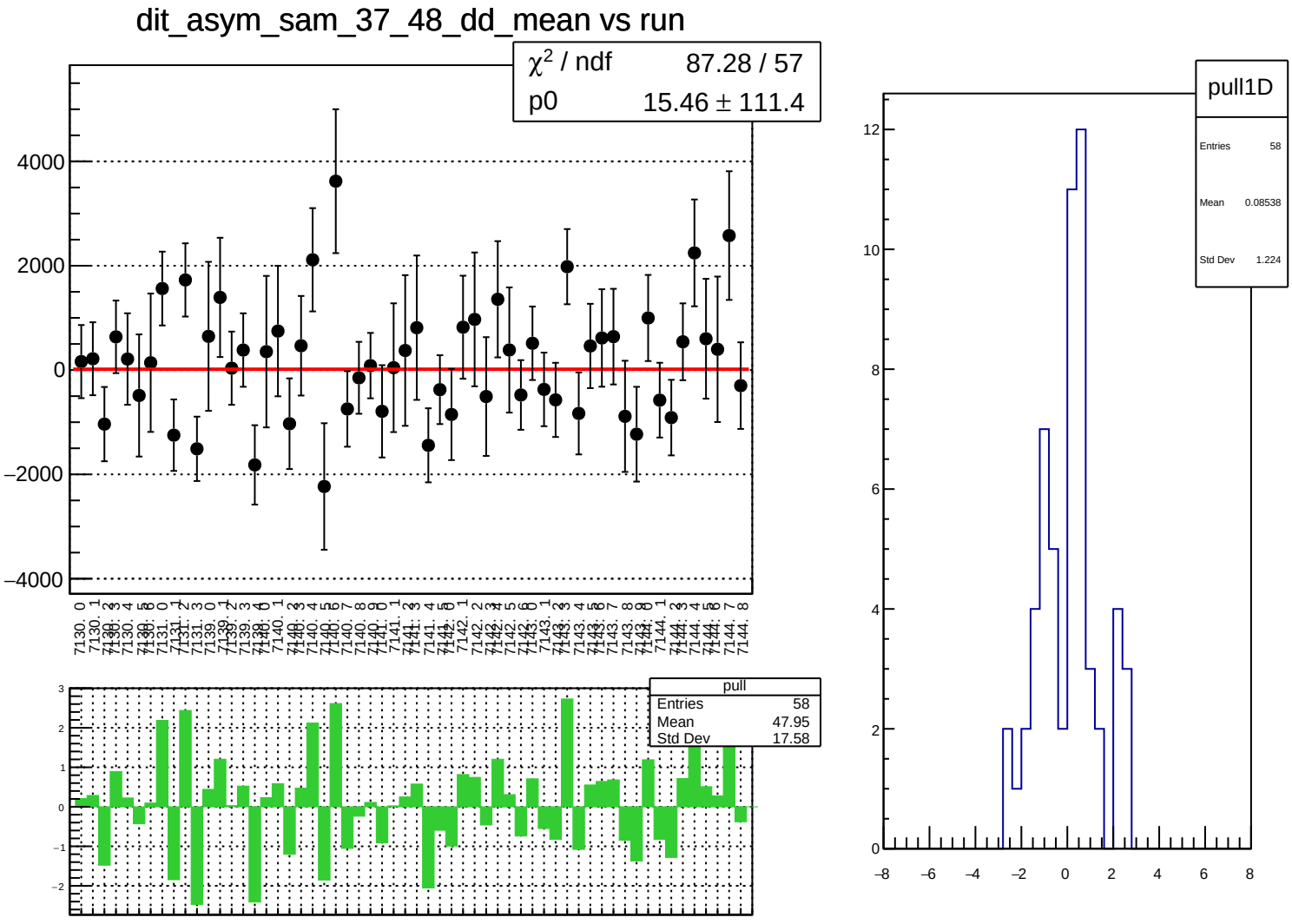

dit_asym_sam_15_48_dd_rms vs run
χ2 / ndf 1.217e+05 / 57
p0 67.86 ± 0.06833
160
140
120
100
80
60
40

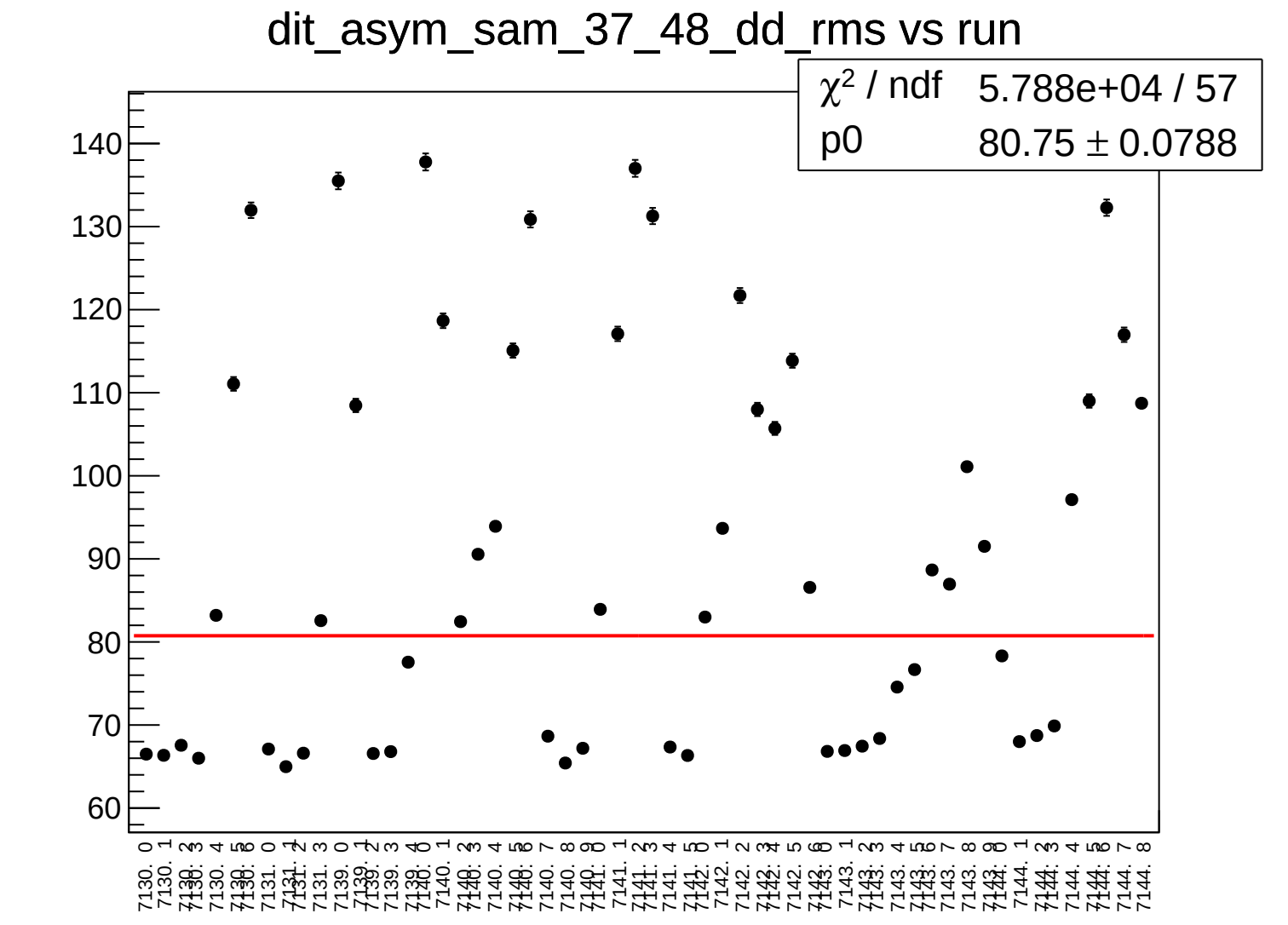

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 61.39 / 57
p0 −712.4 ± 541.1
pull
Entries 58
Mean 574.2
Std Dev 543.3
pull1D
Entries 58
Mean 0.007876
Std Dev 1.029

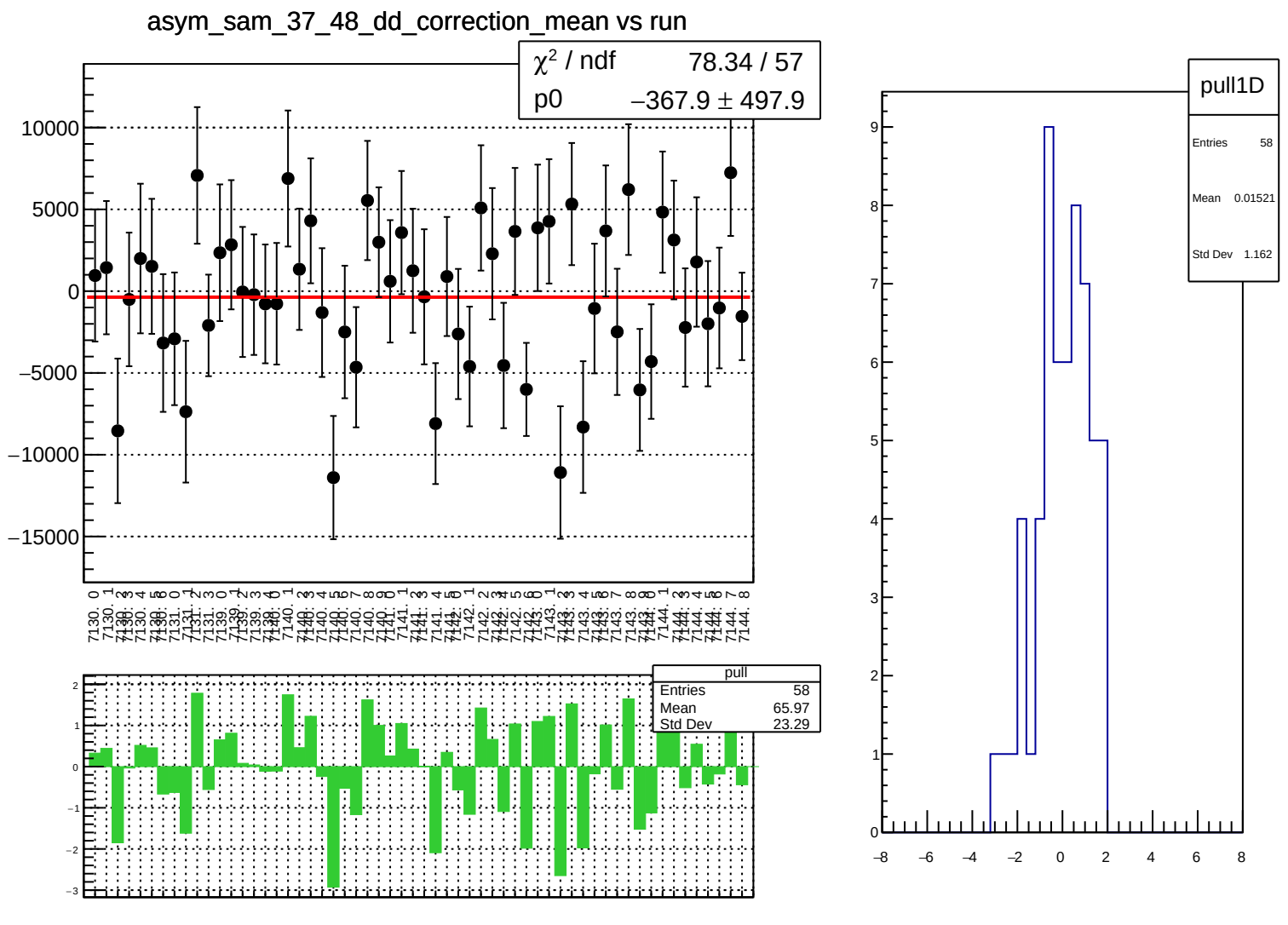

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 4159 / 57
p0 402 ± 0.3826
460
440
420
400
380
360

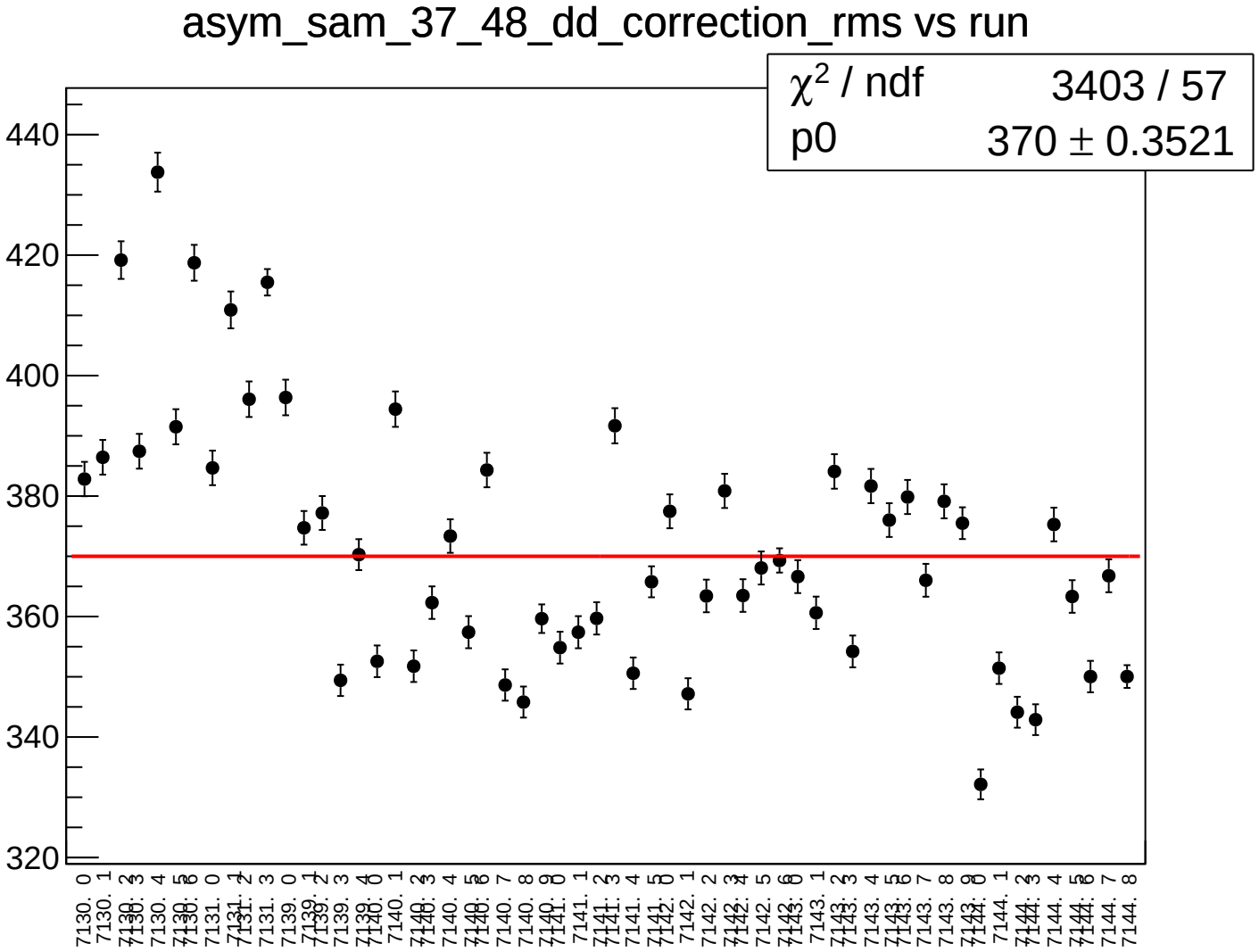

asym_sam_15_48_dd_mean vs run
χ² / ndf 63.56 / 57
p0 902.8 ± 530.3
pull
Entries 58
Mean 621.2
Std Dev 590.9
pull1D
Entries 58
Mean −0.00673
Std Dev 1.047

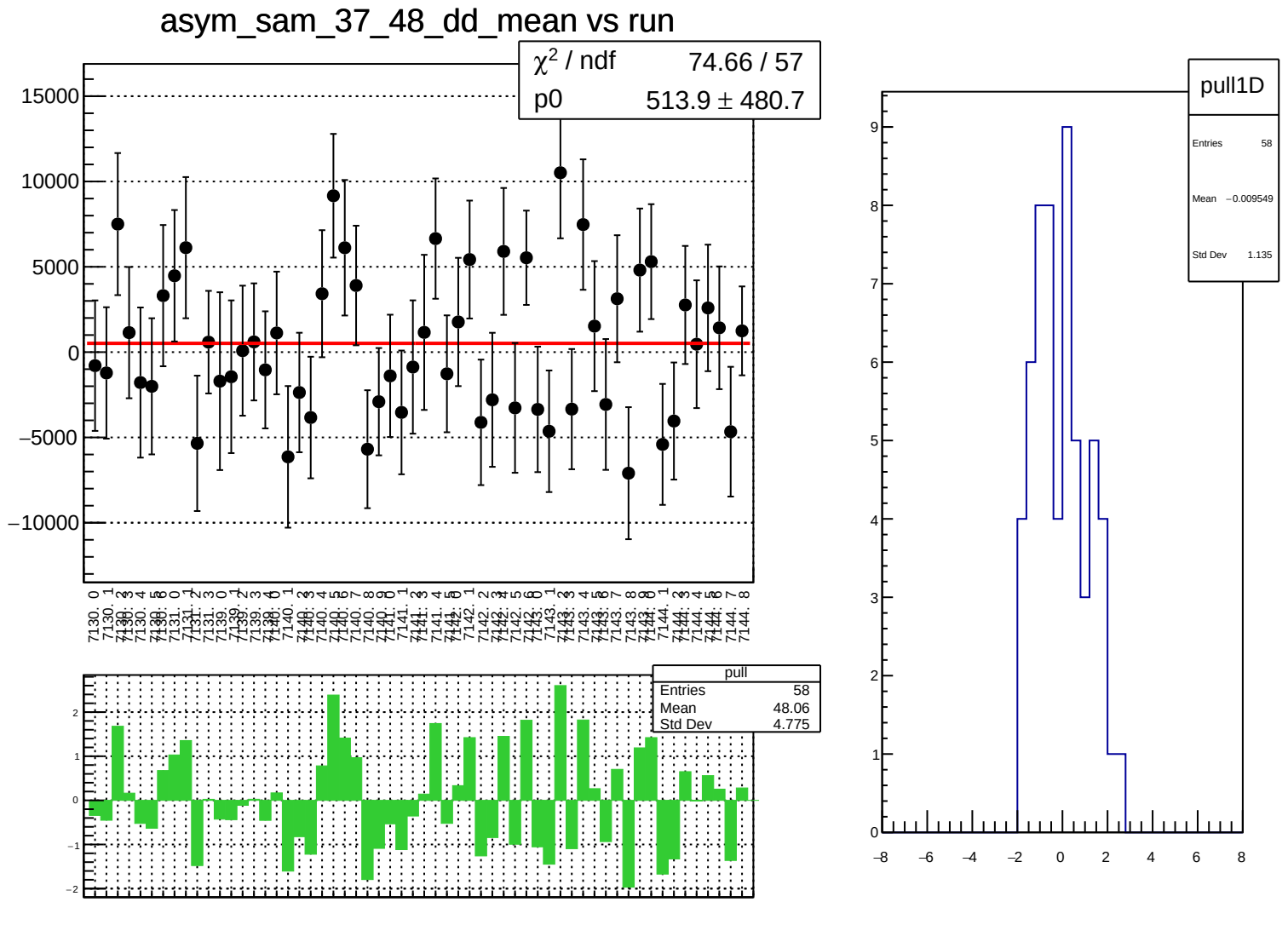

asym_sam_15_48_dd_rms vs run
χ2 / ndf 7555 / 57
p0 393.3 ± 0.375
550
500
450
400
350

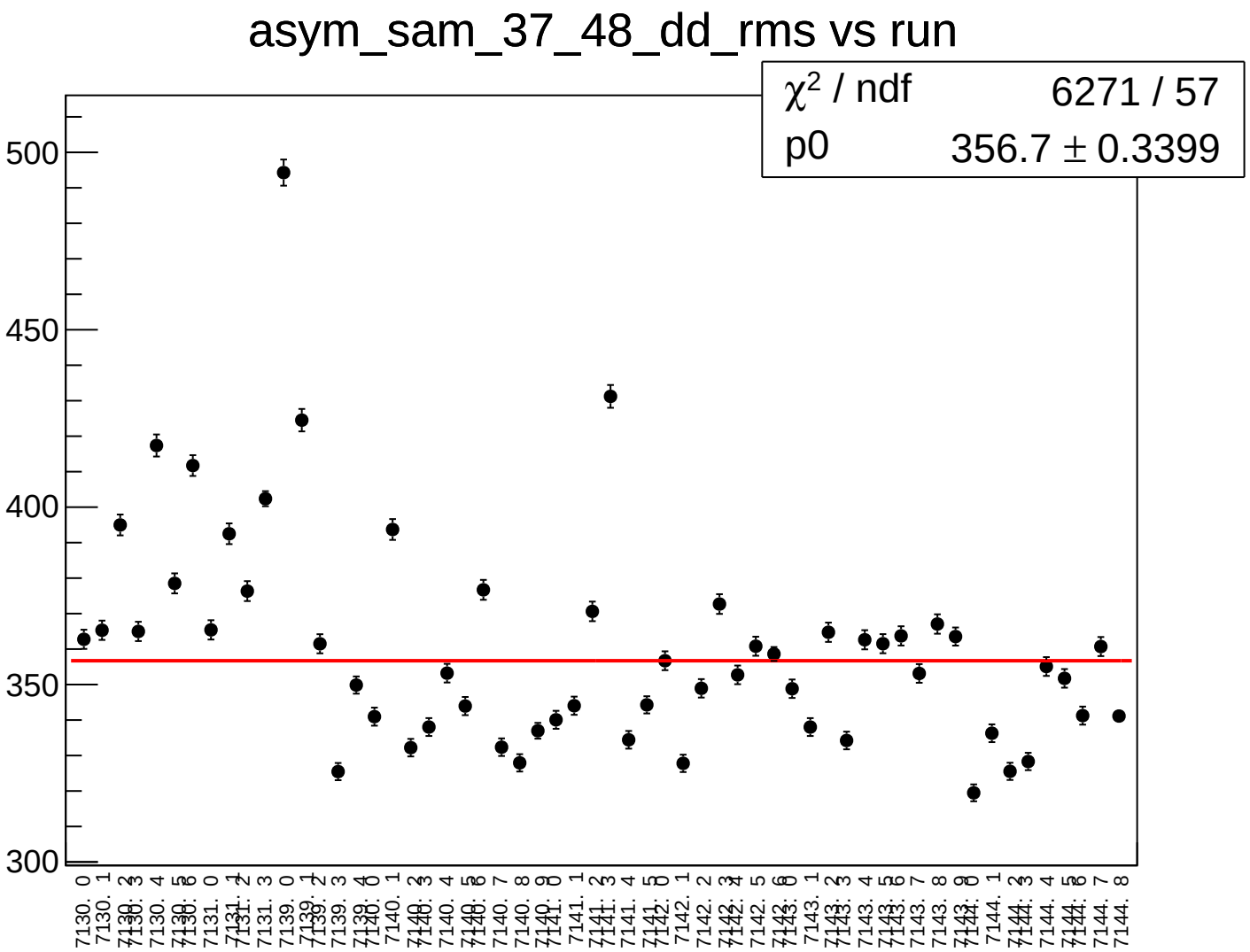

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 87.28 / 57
p0 15.46 ± 111.4
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 47.95
Std Dev 17.58
pull1D
Entries 58
Mean 0.08538
Std Dev 1.224

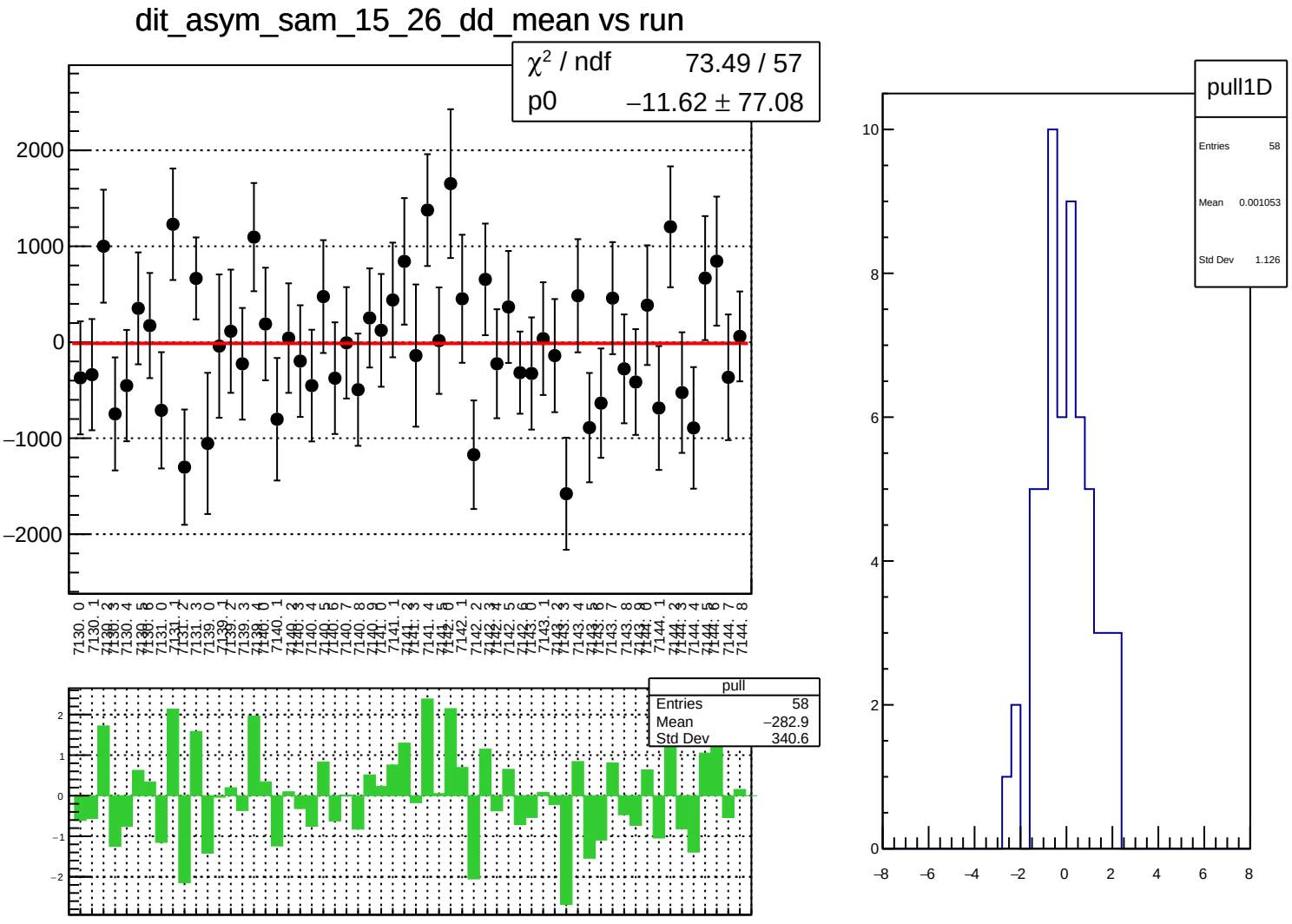

dit_asym_sam_37_48_dd_rms vs run
χ2 / ndf 5.788e+04 / 57
p0 80.75 ± 0.0788
140
130
120
110
100
90
80
70
60


asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 78.34 / 57
p0 −367.9 ± 497.9
pull
Entries 58
Mean 65.97
Std Dev 23.29
pull1D
Entries 58
Mean 0.01521
Std Dev 1.162

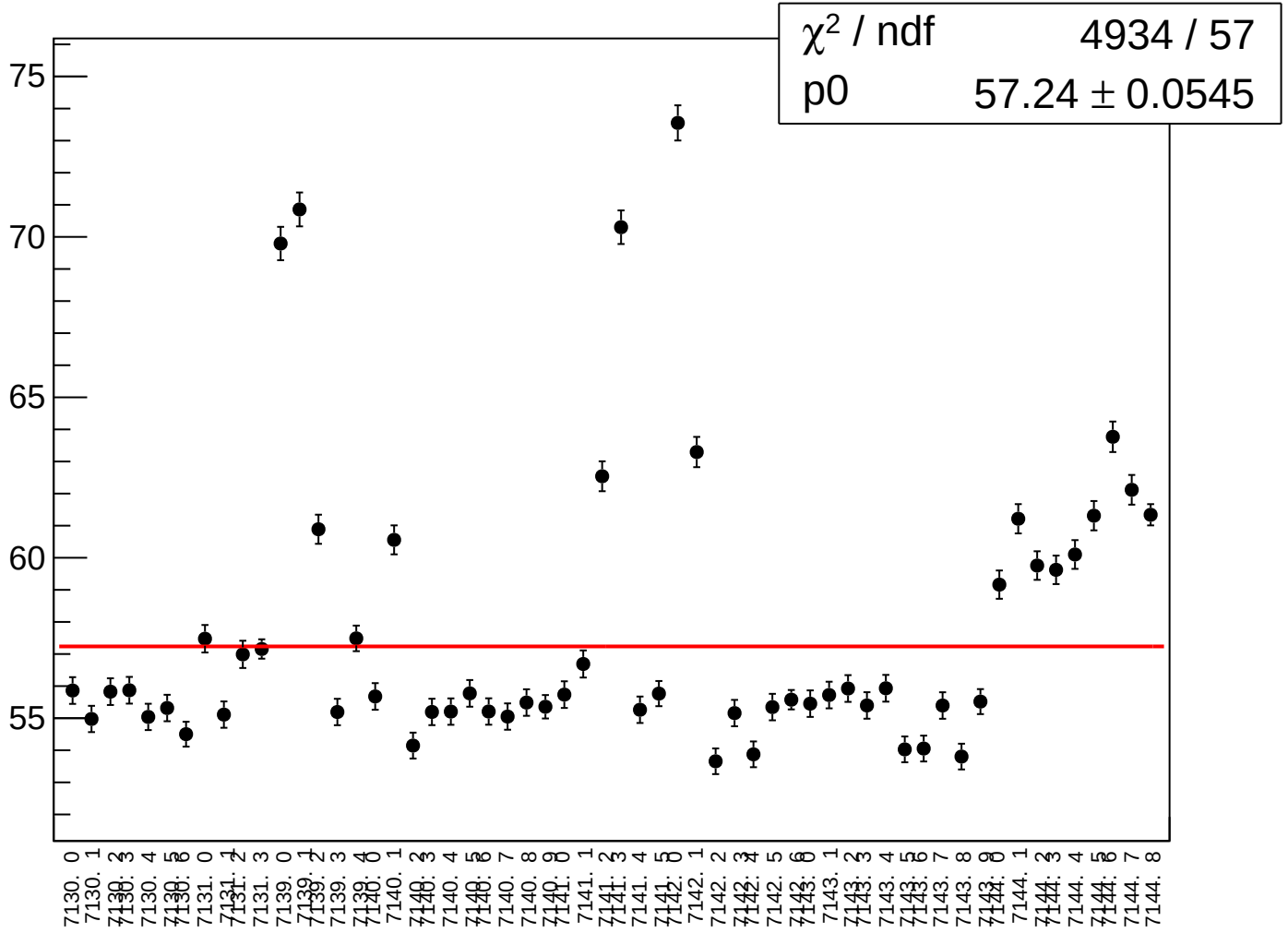

asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 3403 / 57
p0 370 ± 0.3521
440
420
400
380
360
340
320

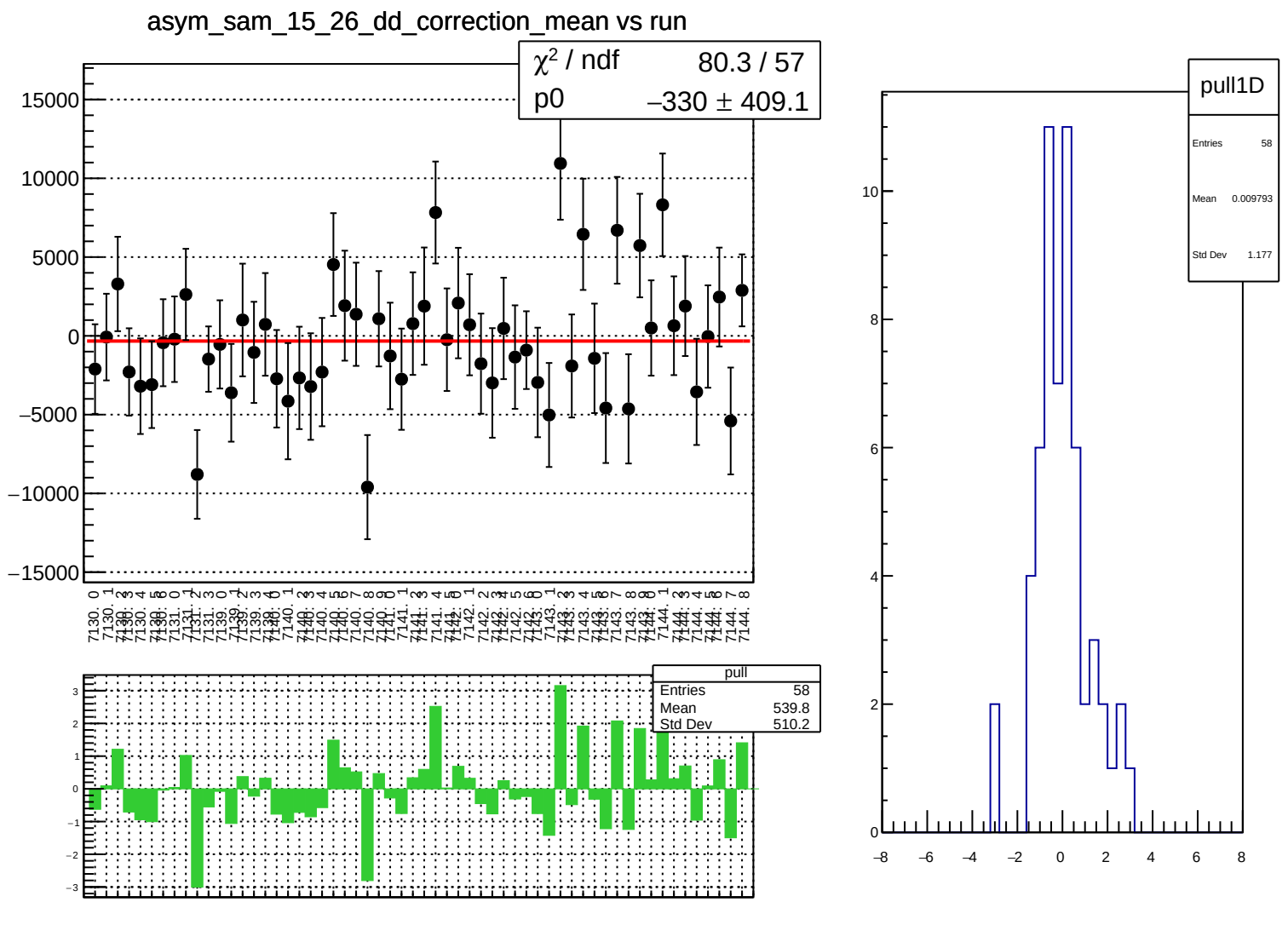

asym_sam_37_48_dd_mean vs run
χ² / ndf 74.66 / 57
p0 513.9 ± 480.7
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 48.06
Std Dev 4.775
2
1
0
−1
−2
pull1D
Entries 58
Mean −0.009549
Std Dev 1.135
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

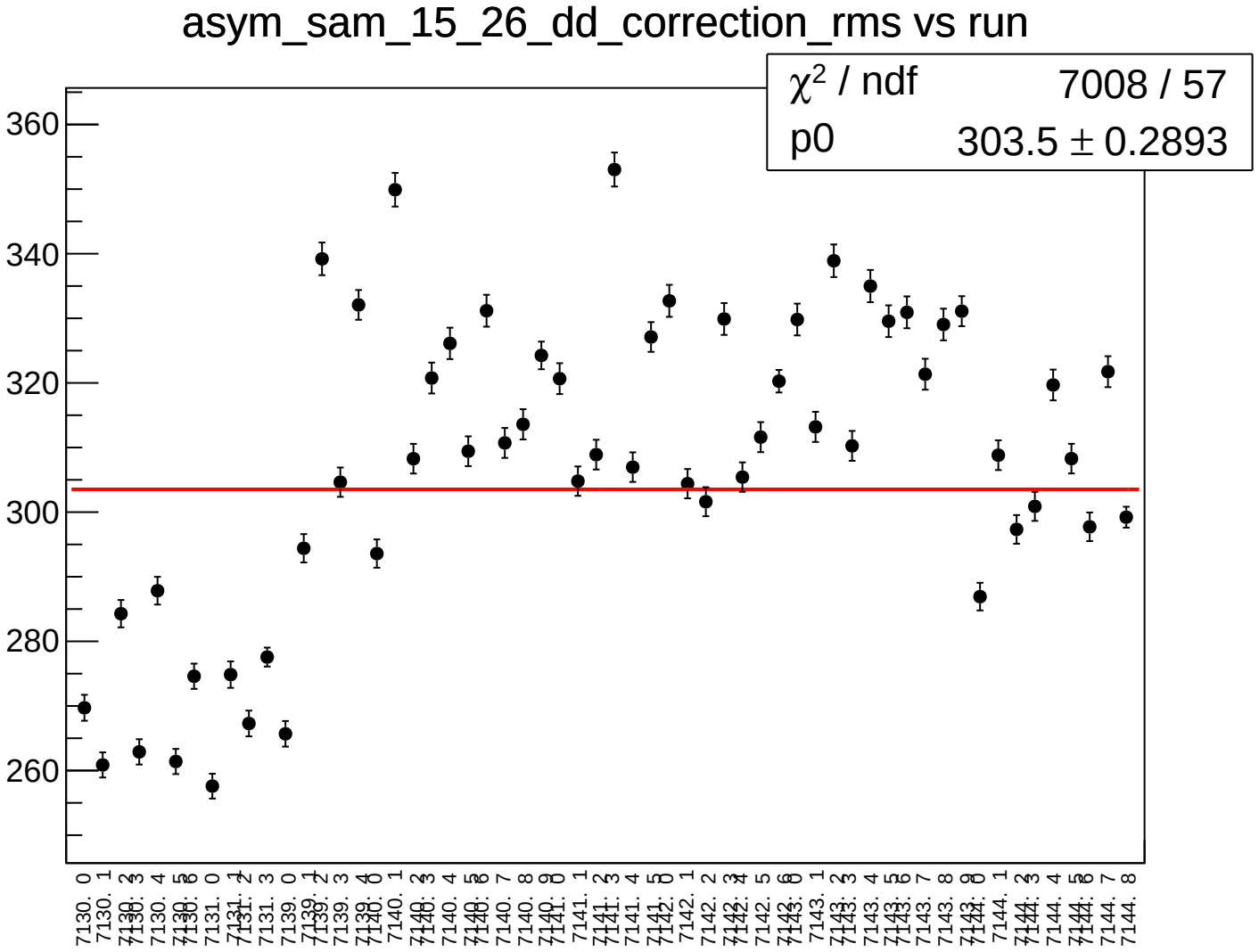

asym_sam_37_48_dd_rms vs run
χ² / ndf 6271 / 57
p0 356.7 ± 0.3399
500
450
400
350
300

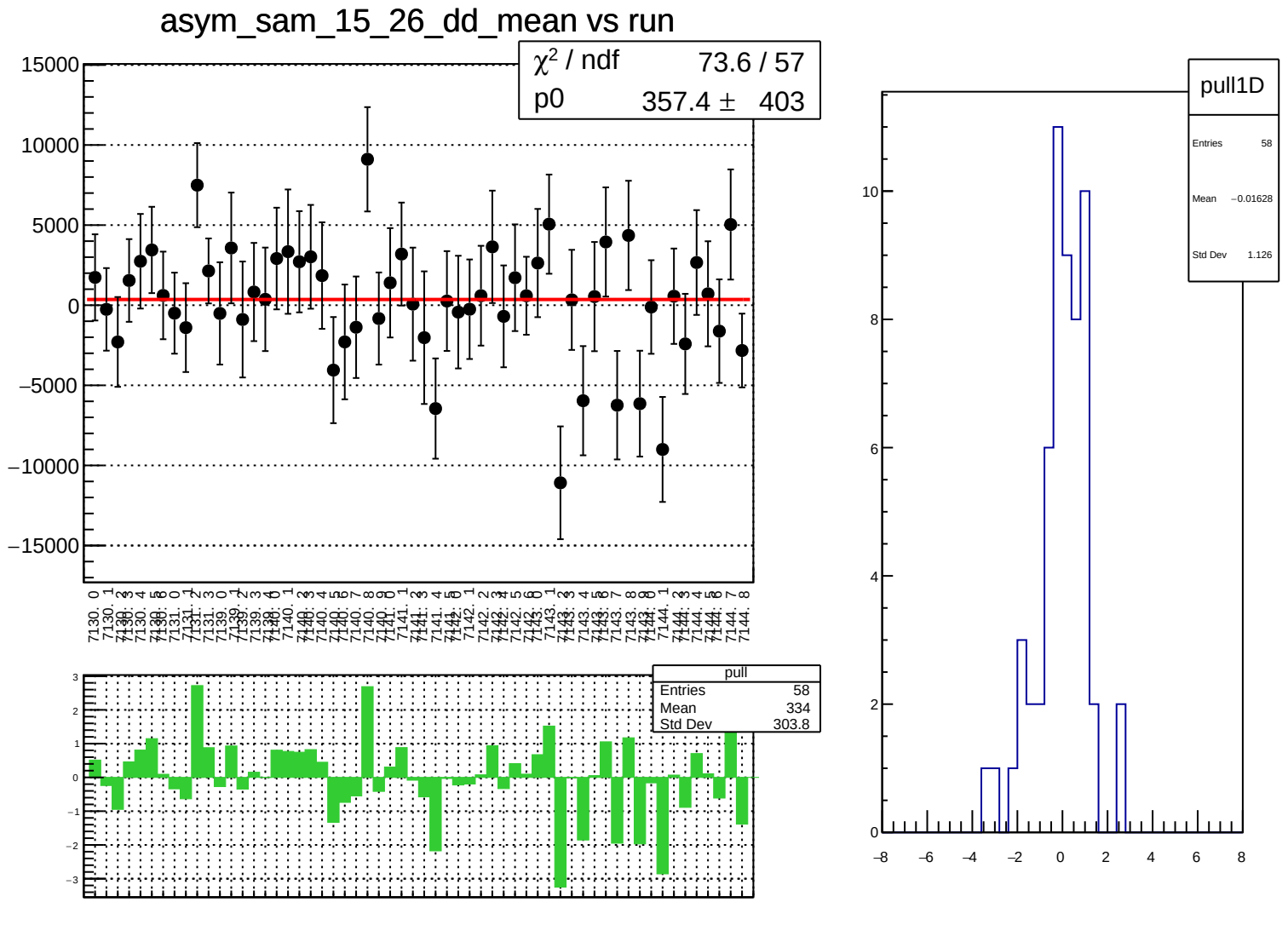

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 73.49 / 57
p0 −11.62 ± 77.08
2000
1000
0
−1000
−2000
pull
Entries 58
Mean −282.9
Std Dev 340.6
pull1D
Entries 58
Mean 0.001053
Std Dev 1.126

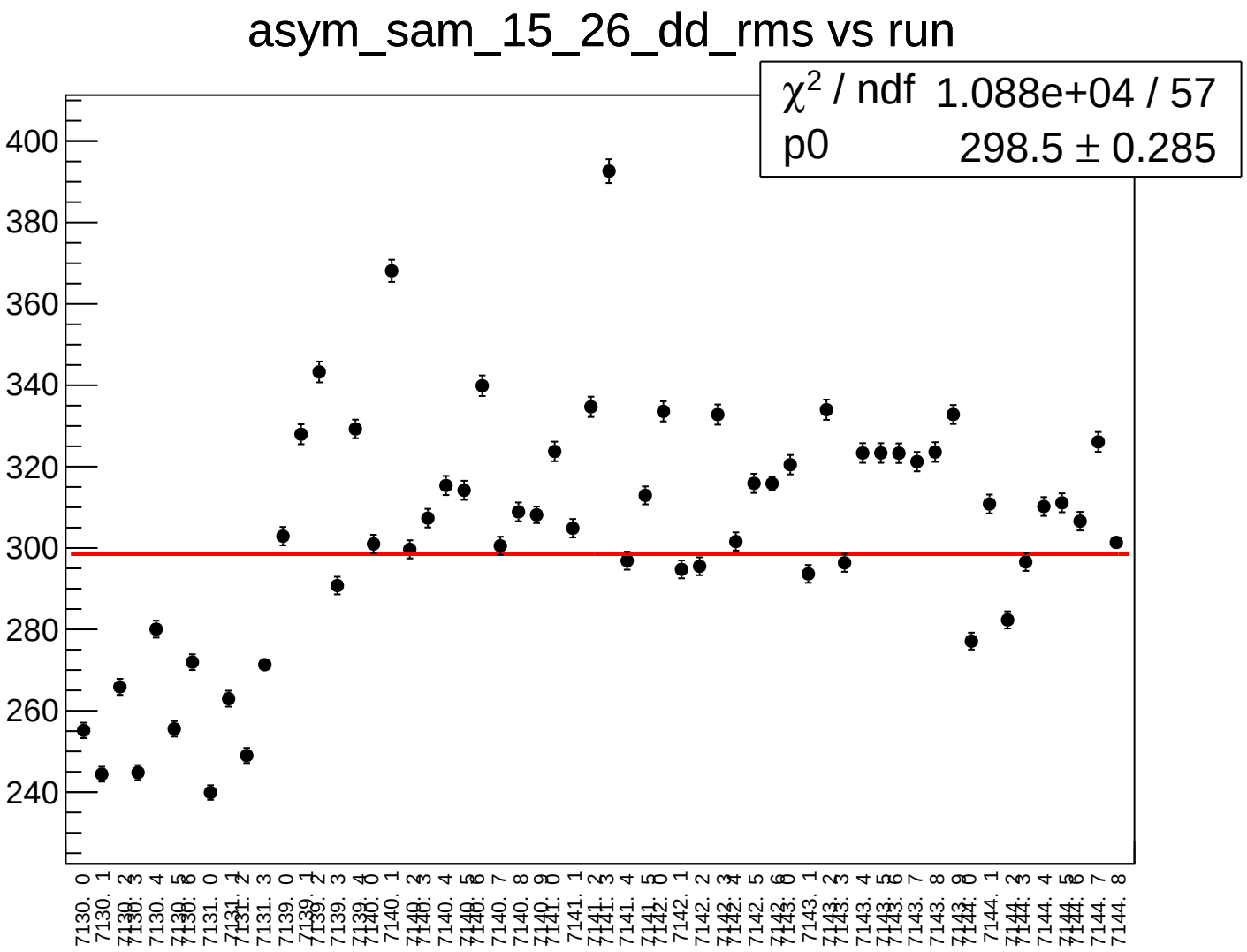
dit_asym_sam_15_26_dd_rms vs run

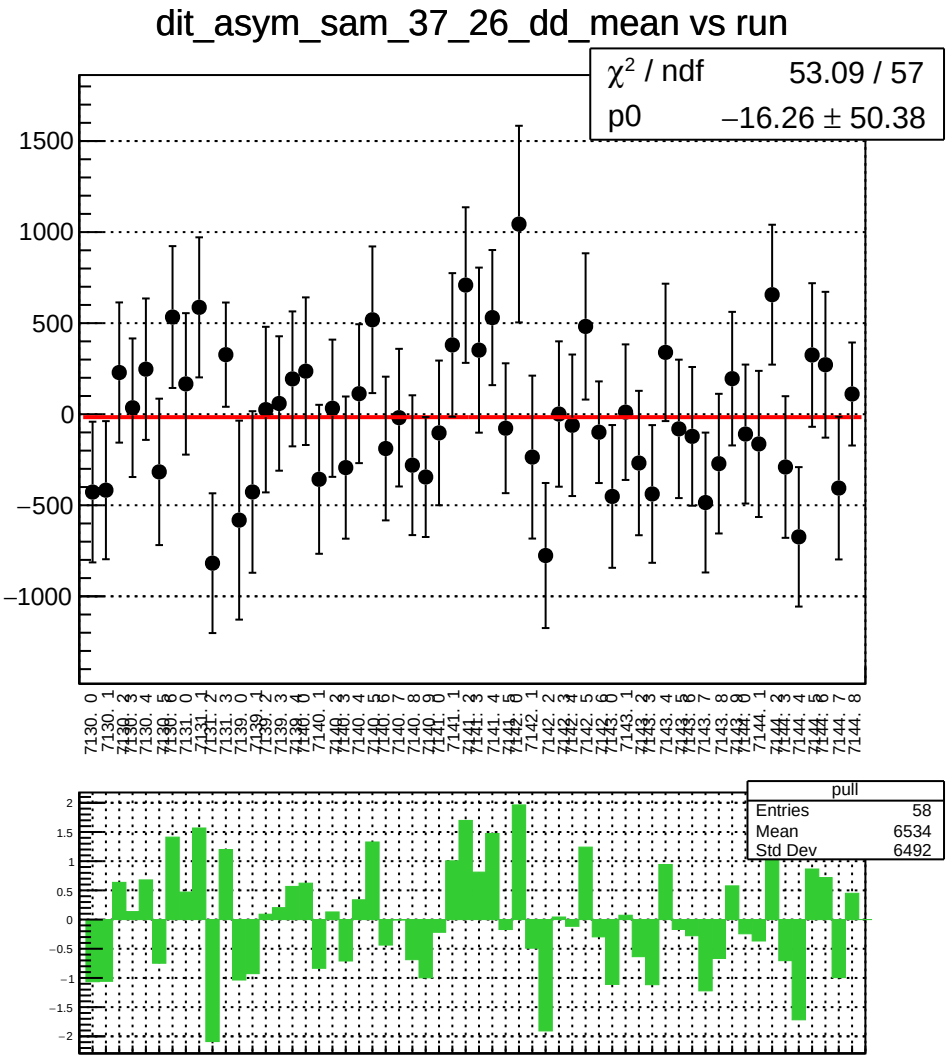


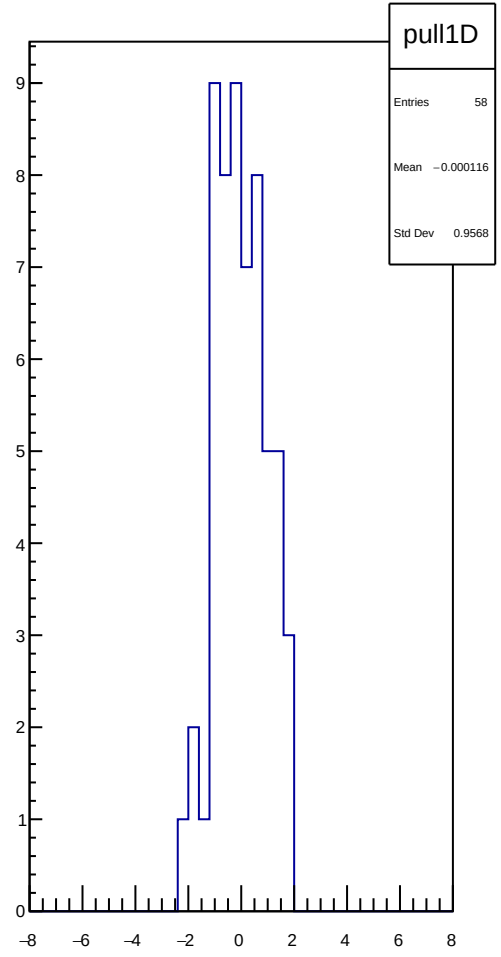

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 80.3 / 57
p0 −330 ± 409.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 539.8
Std Dev 510.2
pull1D
Entries 58
Mean 0.009793
Std Dev 1.177


asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 7008 / 57
p0 303.5 ± 0.2893
360
340
320
300
280
260

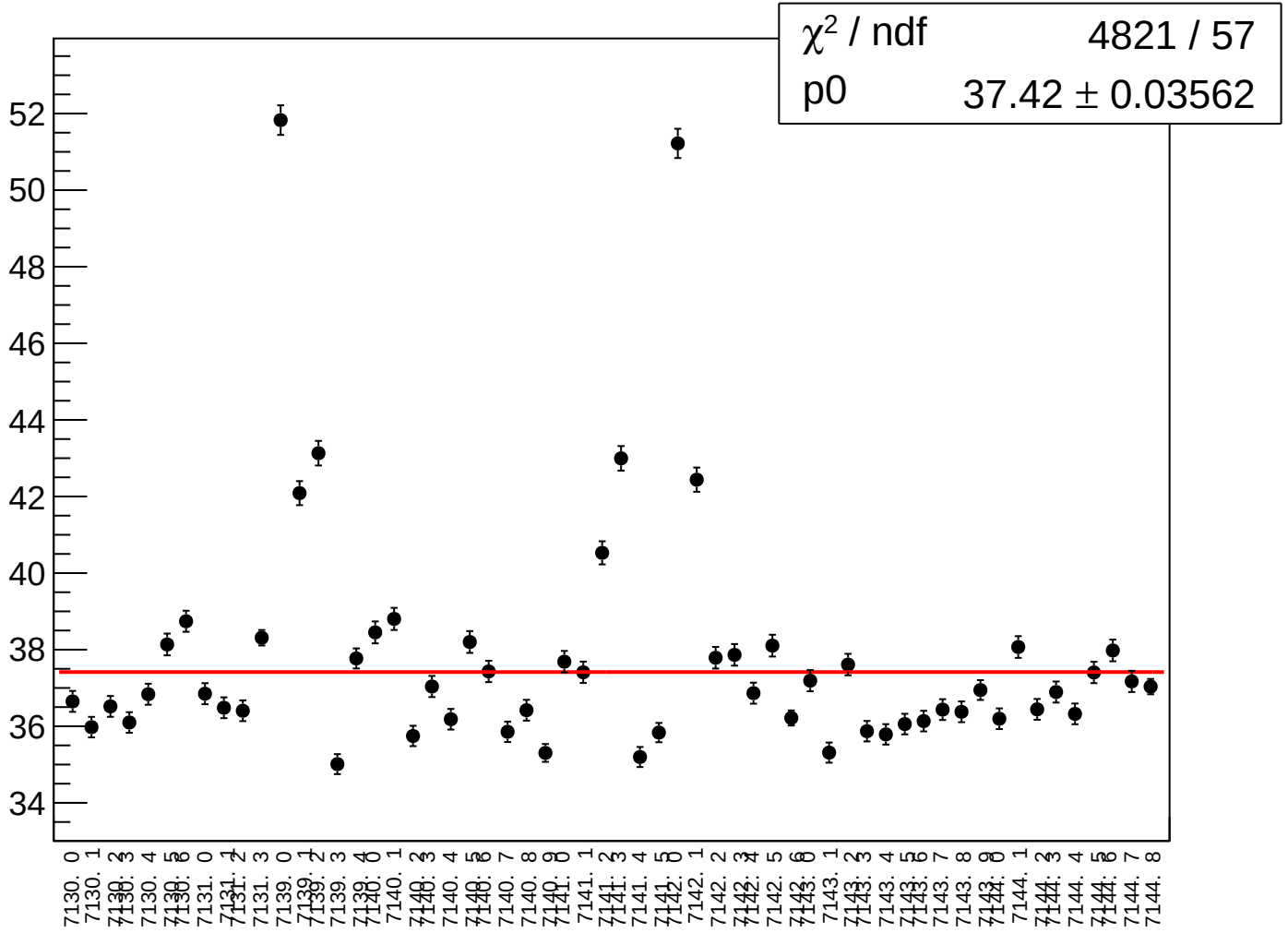

asym_sam_15_26_dd_mean vs run
χ² / ndf 73.6 / 57
p0 357.4 ± 403
pull
Entries 58
Mean 334
Std Dev 303.8
pull1D
Entries 58
Mean −0.01628
Std Dev 1.126

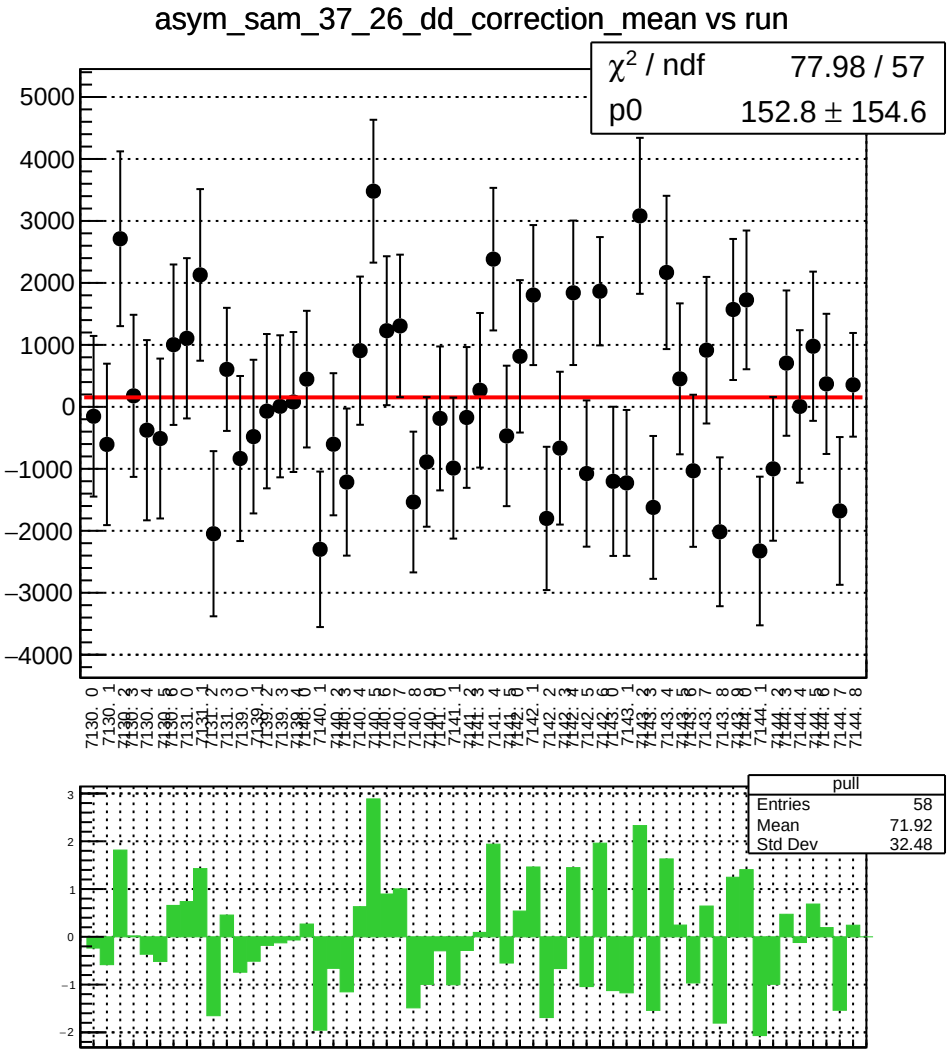

asym_sam_15_26_dd_rms vs run
χ2 / ndf 1.088e+04 / 57
p0 298.5 ± 0.285
400
380
360
340
320
300
280
260
240

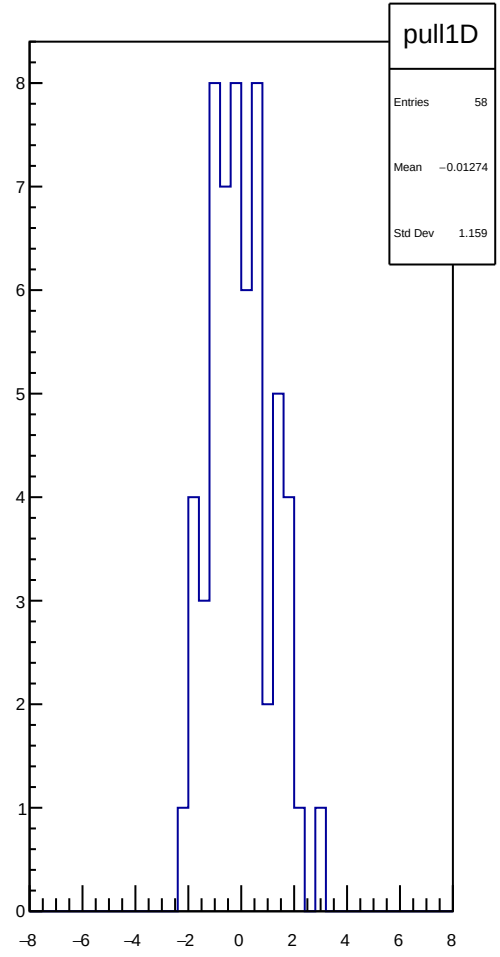

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 53.09 / 57
p0 −16.26 ± 50.38
pull
Entries 58
Mean 6534
Std Dev 6492

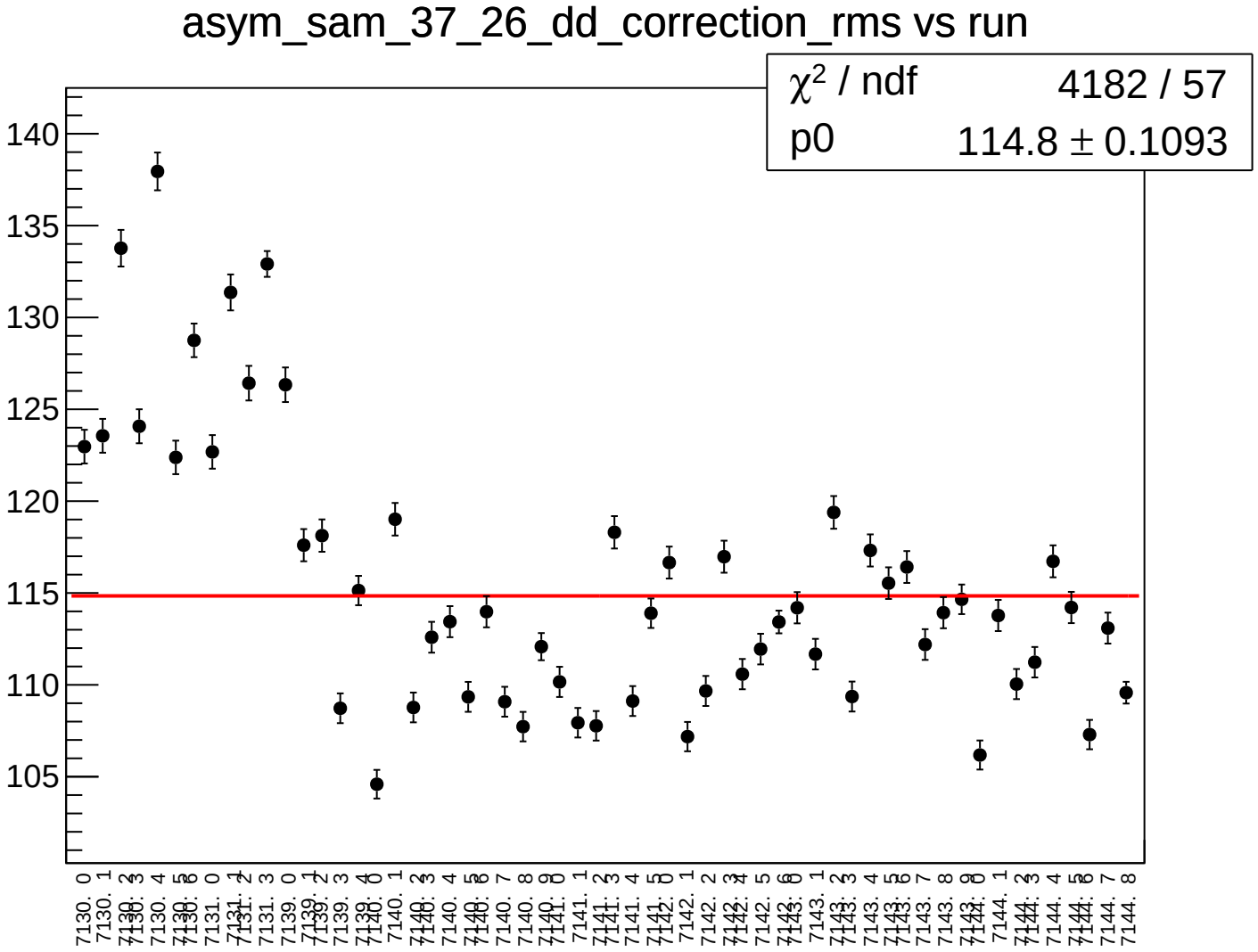

pull1D
Entries 58
Mean −0.000116
Std Dev 0.9568

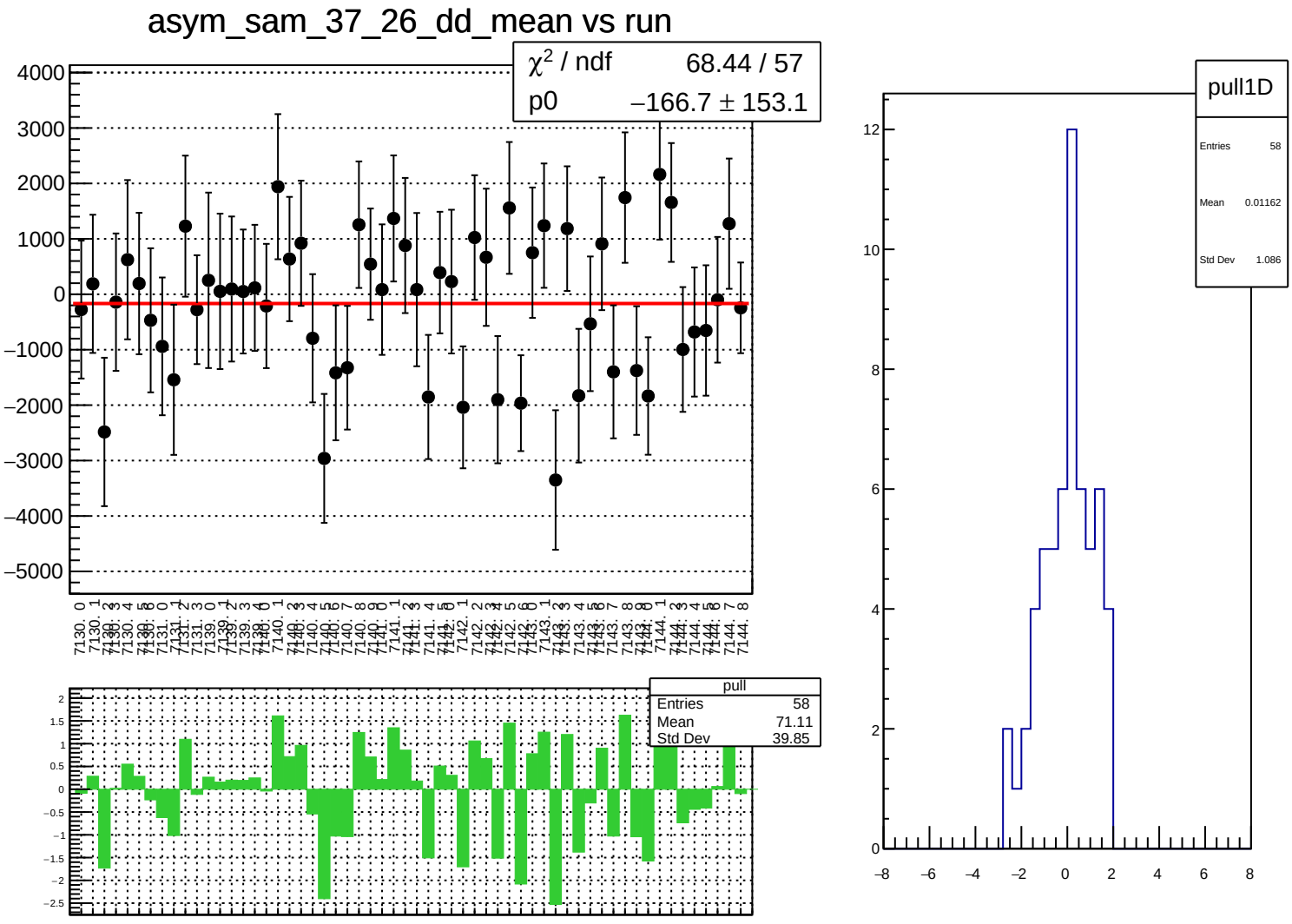
dit_asym_sam_37_26_dd_rms vs run

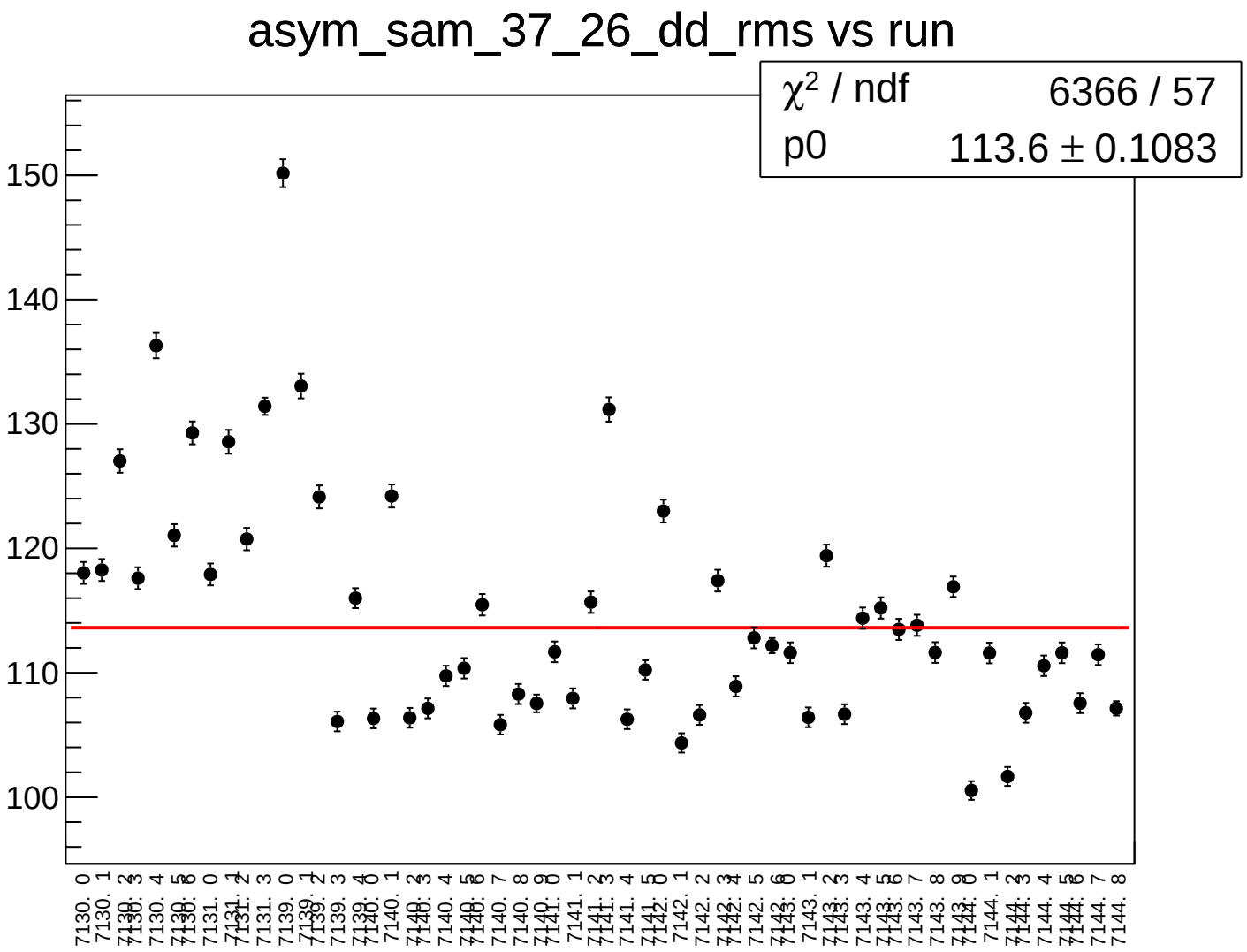


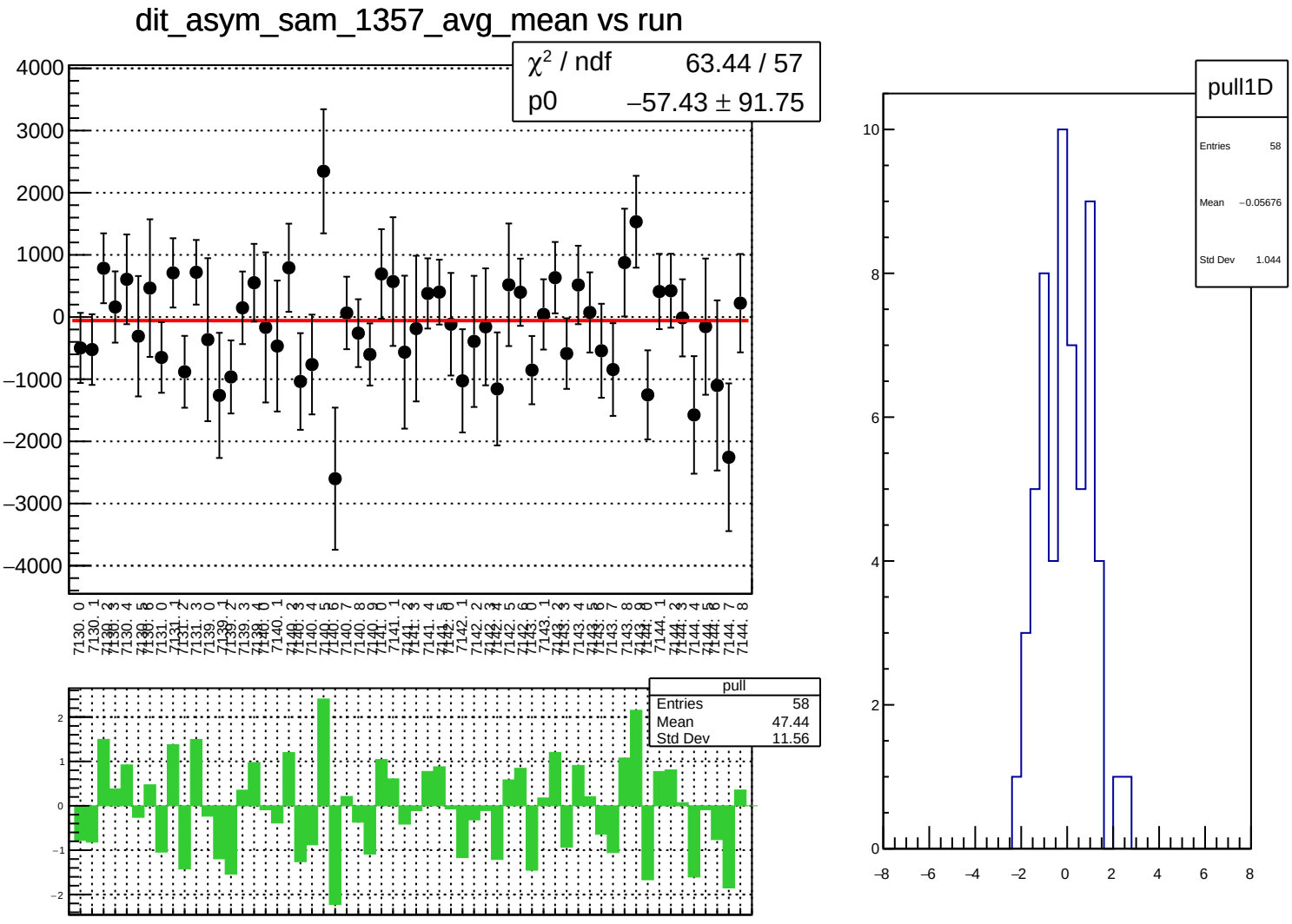

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 77.98 / 57
p0 152.8 ± 154.6
pull
Entries 58
Mean 71.92
Std Dev 32.48


pull1D
Entries 58
Mean −0.01274
Std Dev 1.159

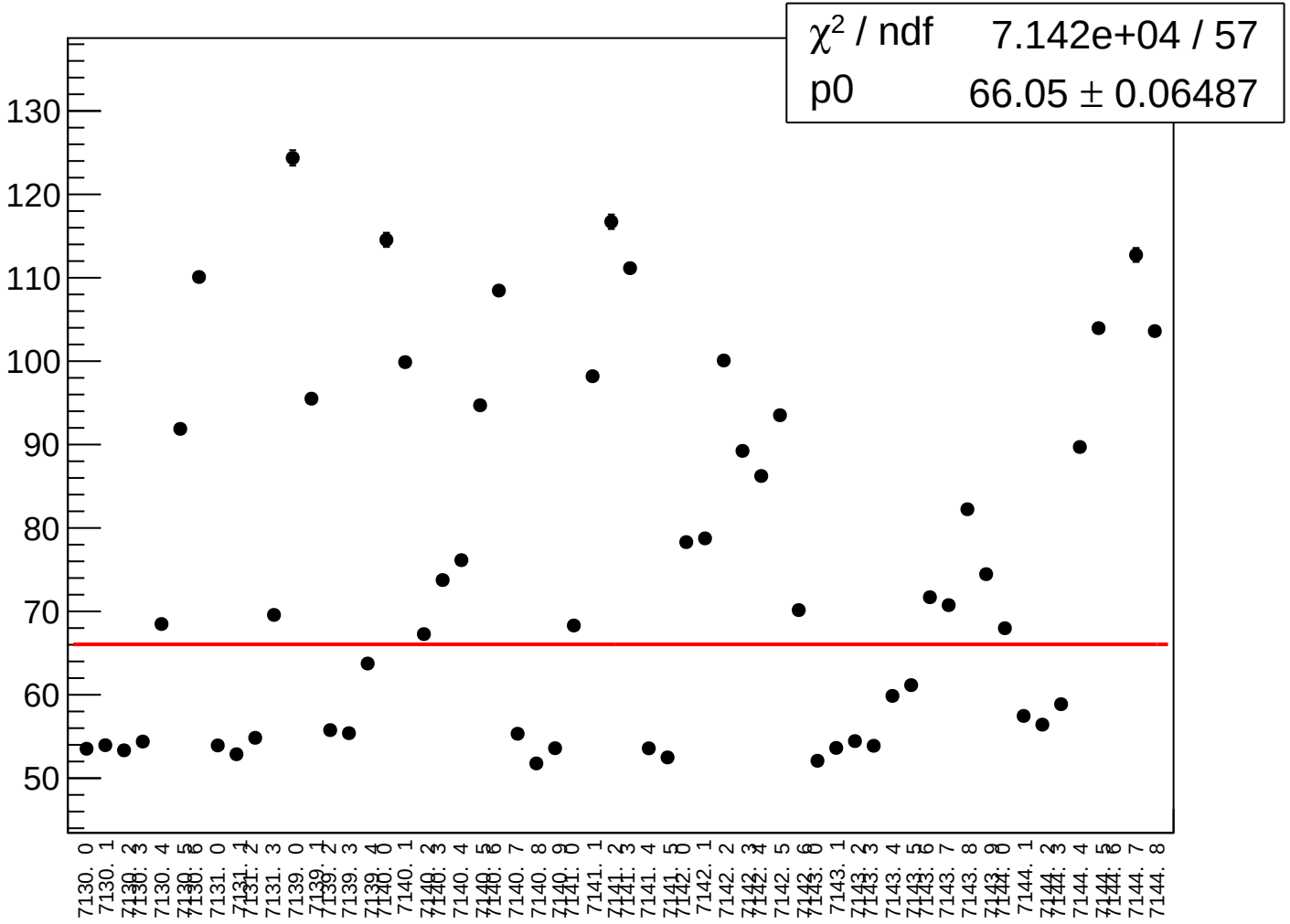

asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 4182 / 57
p0 114.8 ± 0.1093
140
135
130
125
120
115
110
105

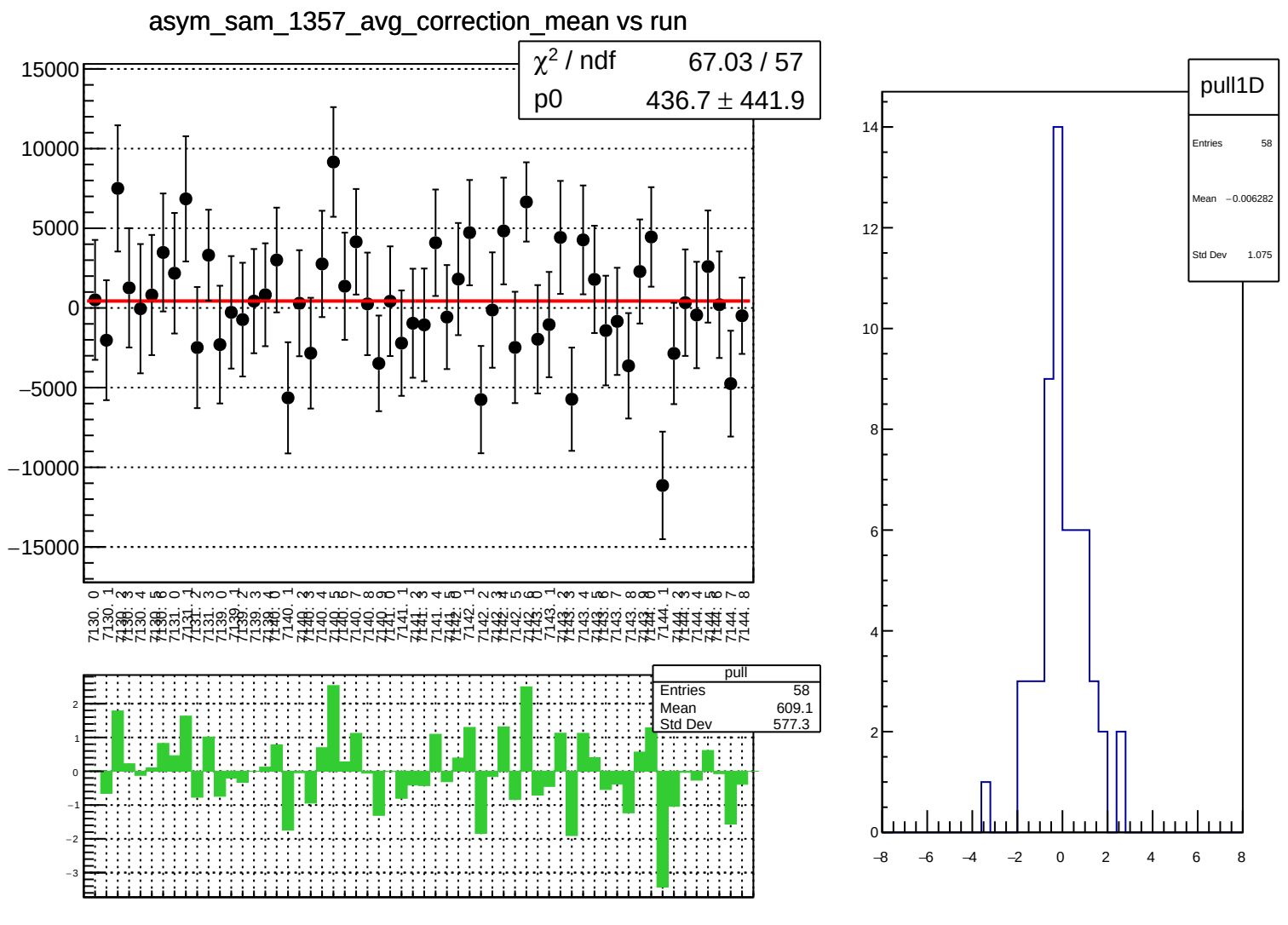

asym_sam_37_26_dd_mean vs run
χ² / ndf 68.44 / 57
p0 −166.7 ± 153.1
pull
Entries 58
Mean 71.11
Std Dev 39.85
pull1D
Entries 58
Mean 0.01162
Std Dev 1.086

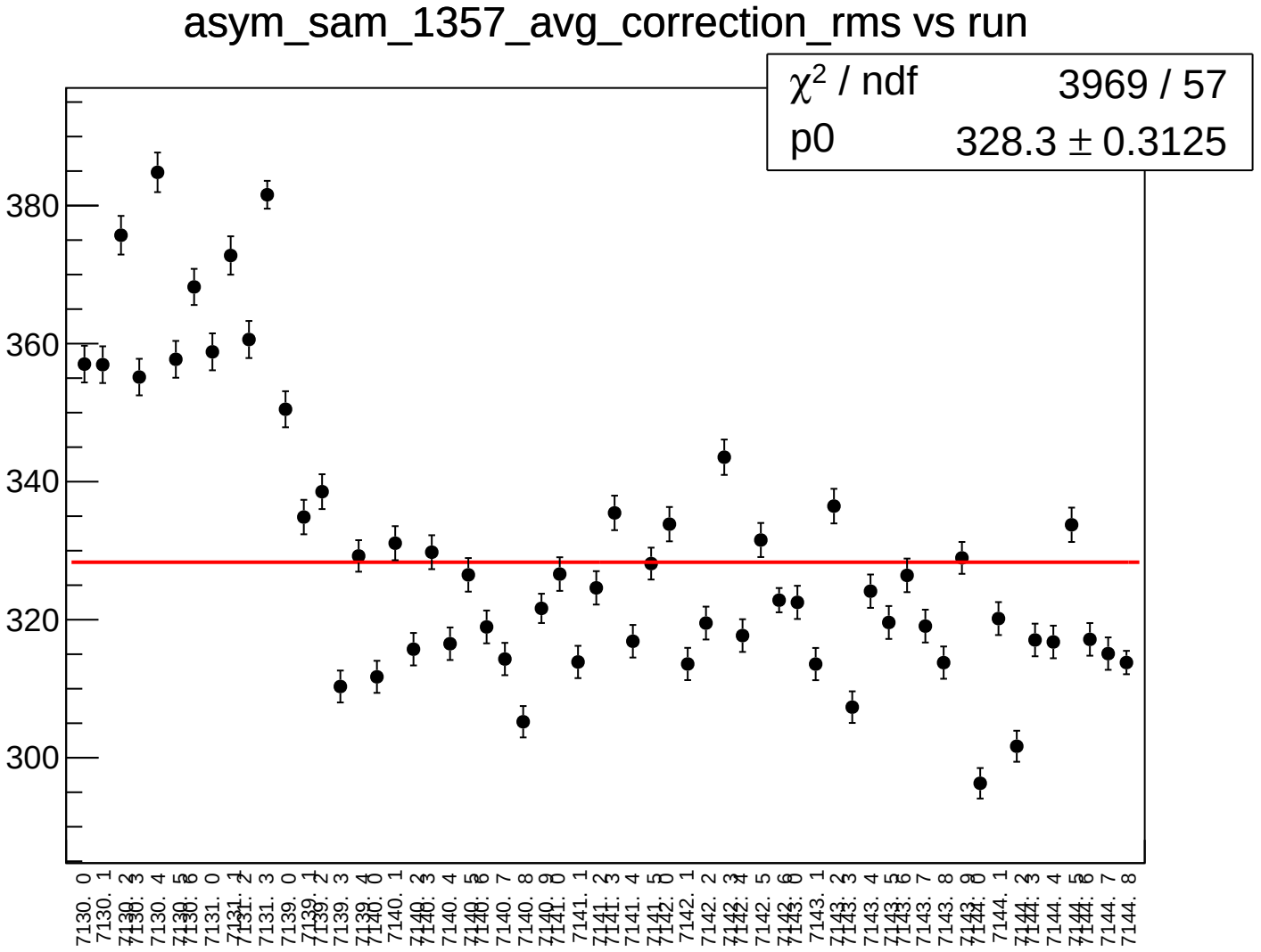

asym_sam_37_26_dd_rms vs run
χ2 / ndf 6366 / 57
p0 113.6 ± 0.1083
150
140
130
120
110
100

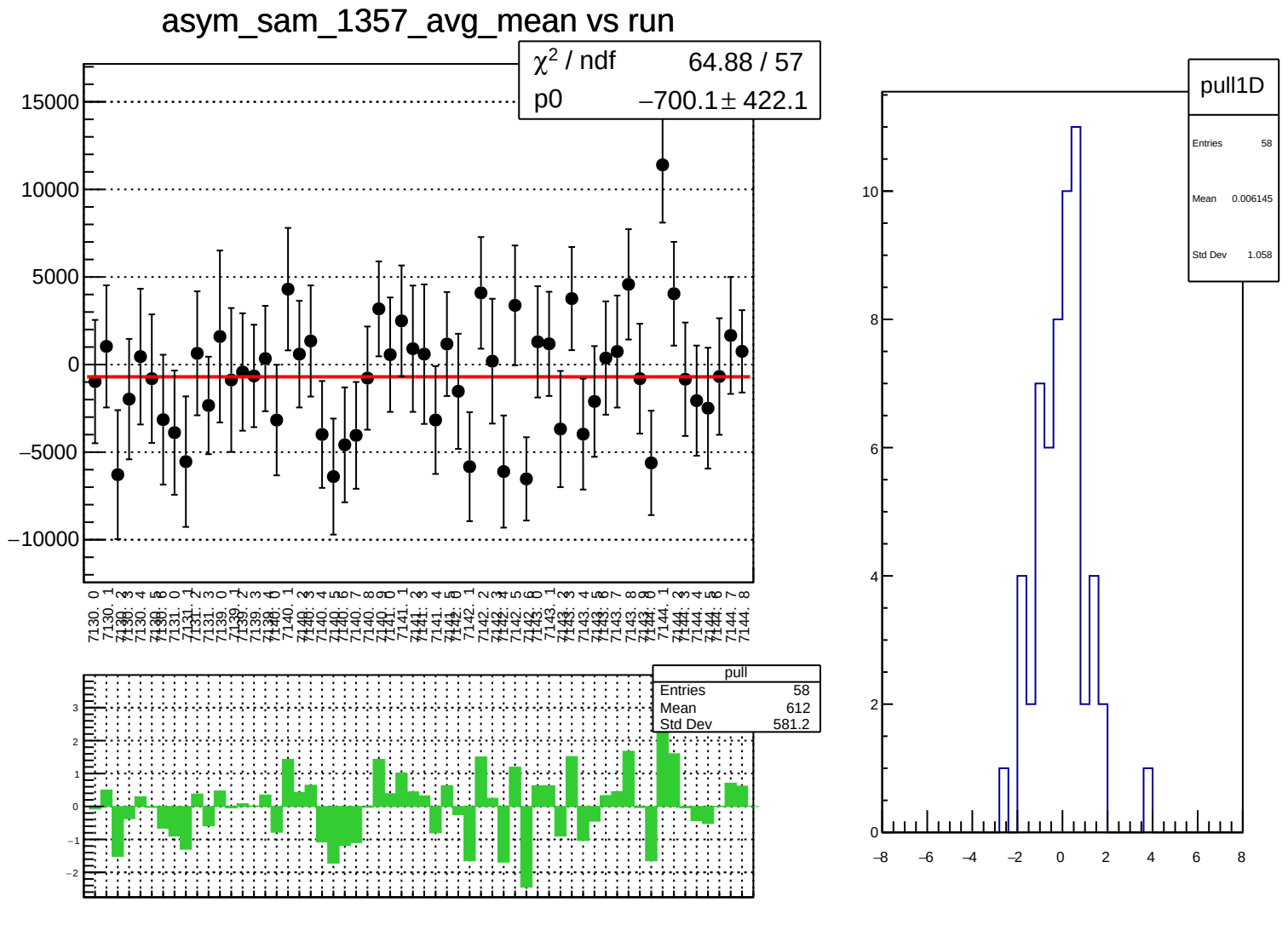

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 63.44 / 57
p0 −57.43 ± 91.75
pull
Entries 58
Mean 47.44
Std Dev 11.56
pull1D
Entries 58
Mean −0.05676
Std Dev 1.044

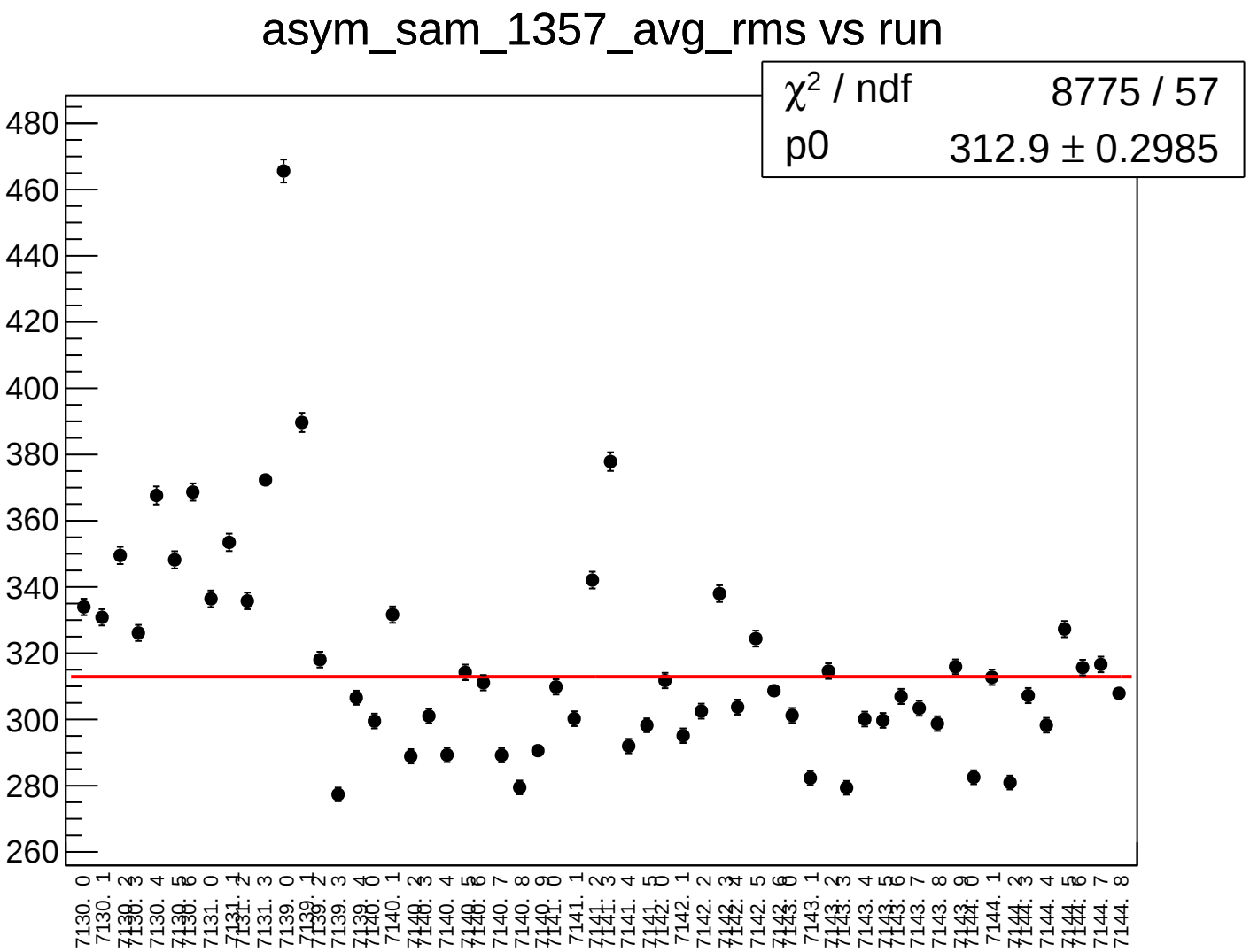
dit_asym_sam_1357_avg_rms vs run

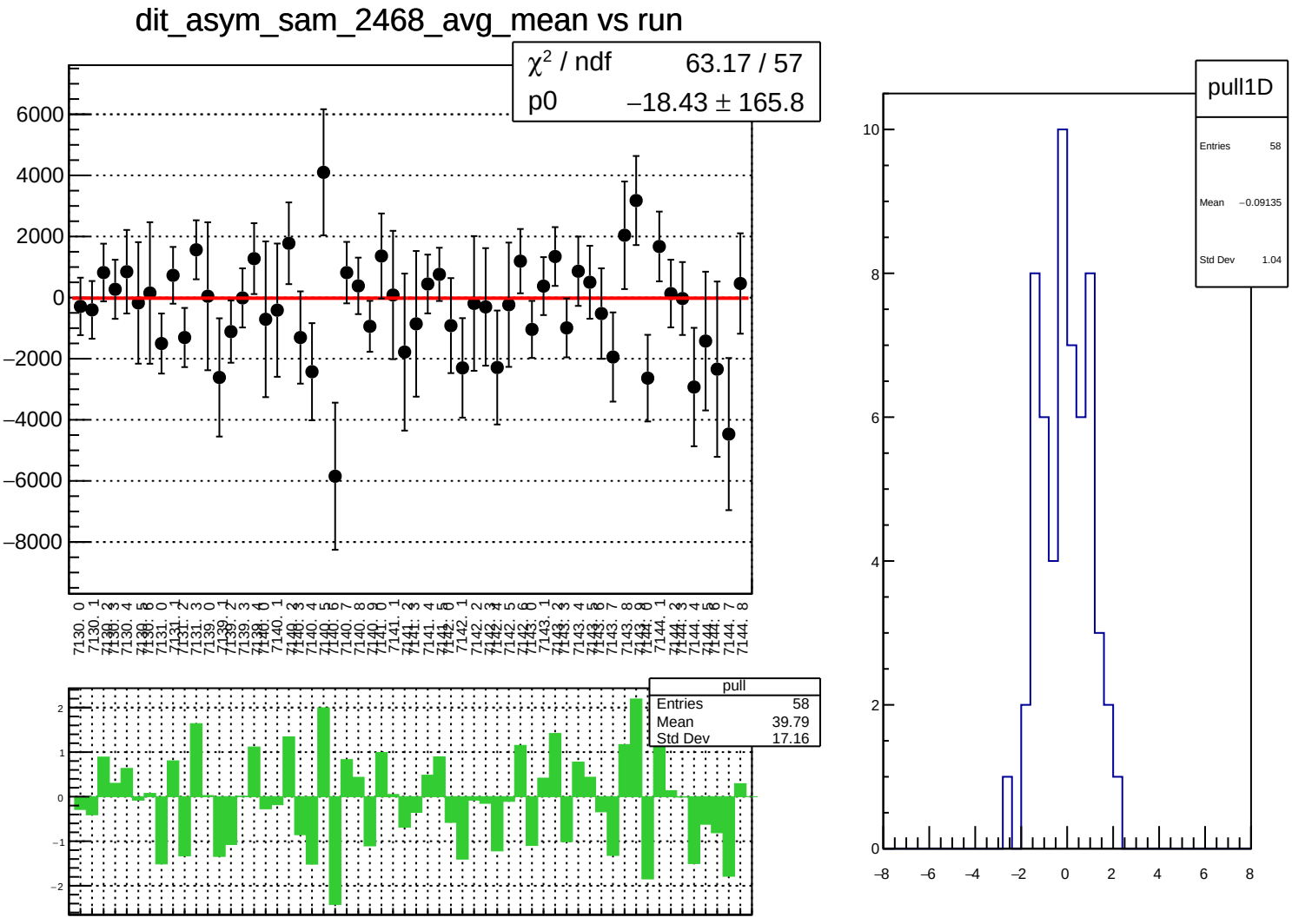


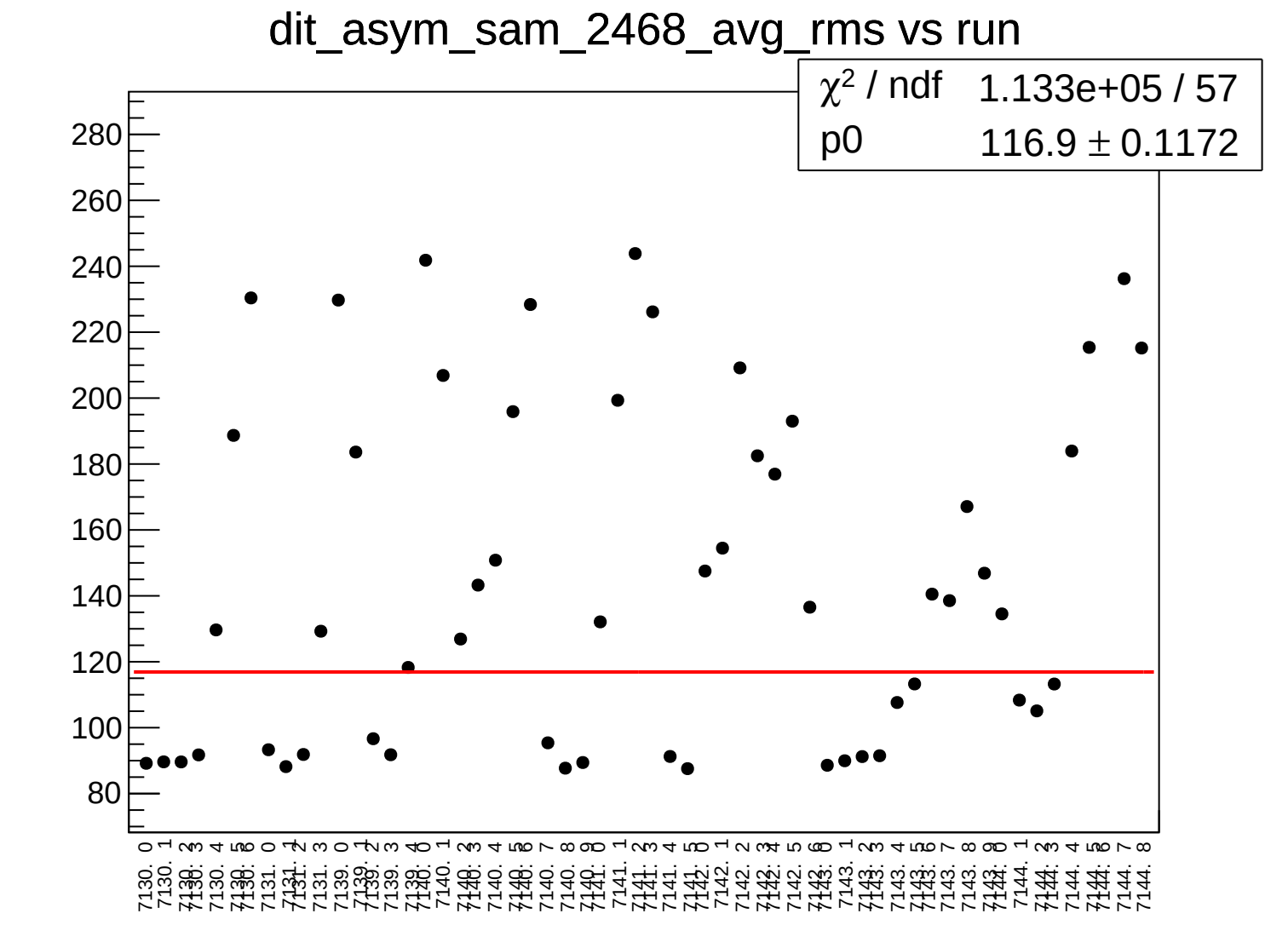

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 67.03 / 57
p0 436.7 ± 441.9
pull
Entries 58
Mean 609.1
Std Dev 577.3
pull1D
Entries 58
Mean −0.006282
Std Dev 1.075

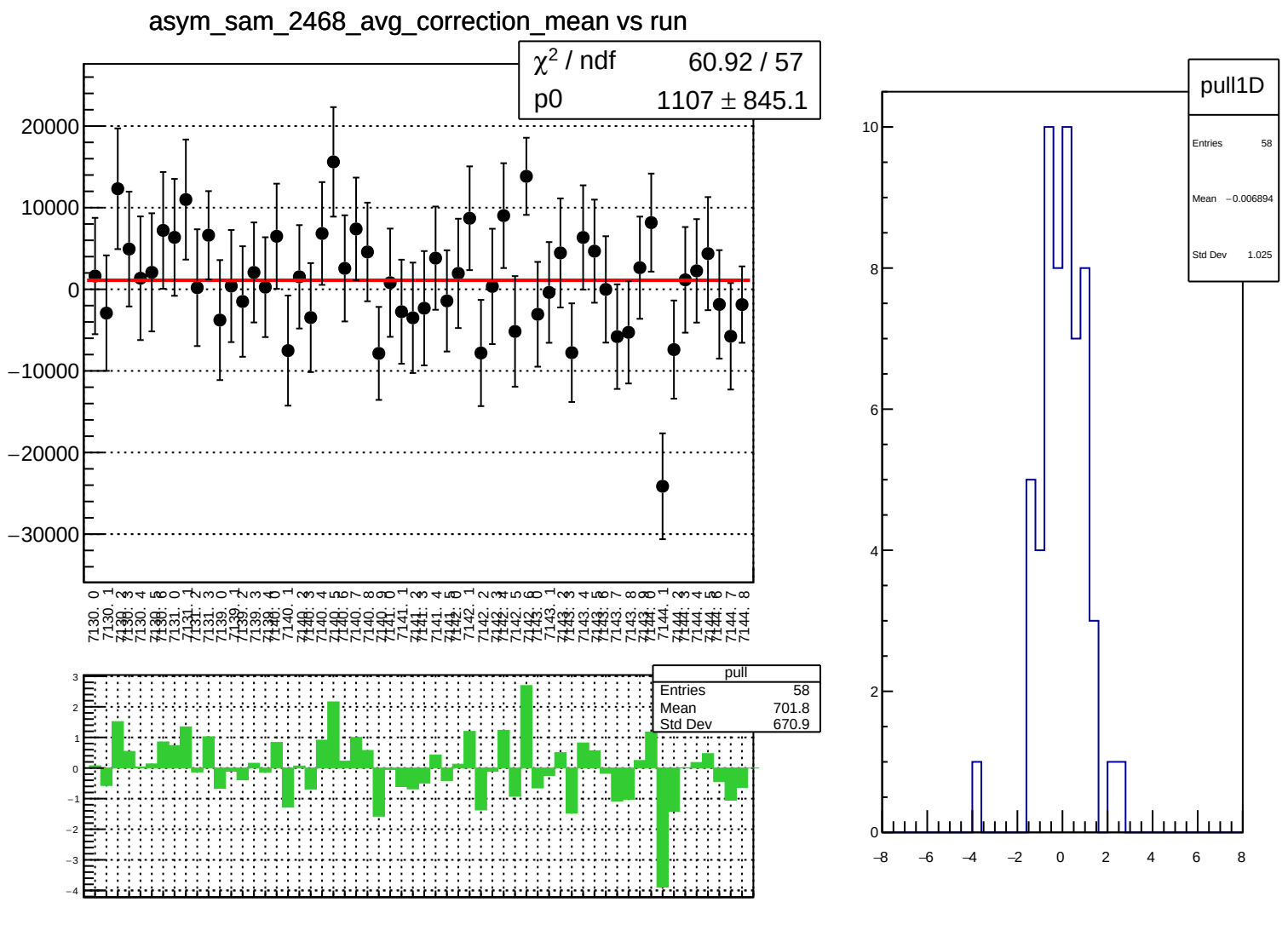

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3969 / 57
p0 328.3 ± 0.3125
380
360
340
320
300

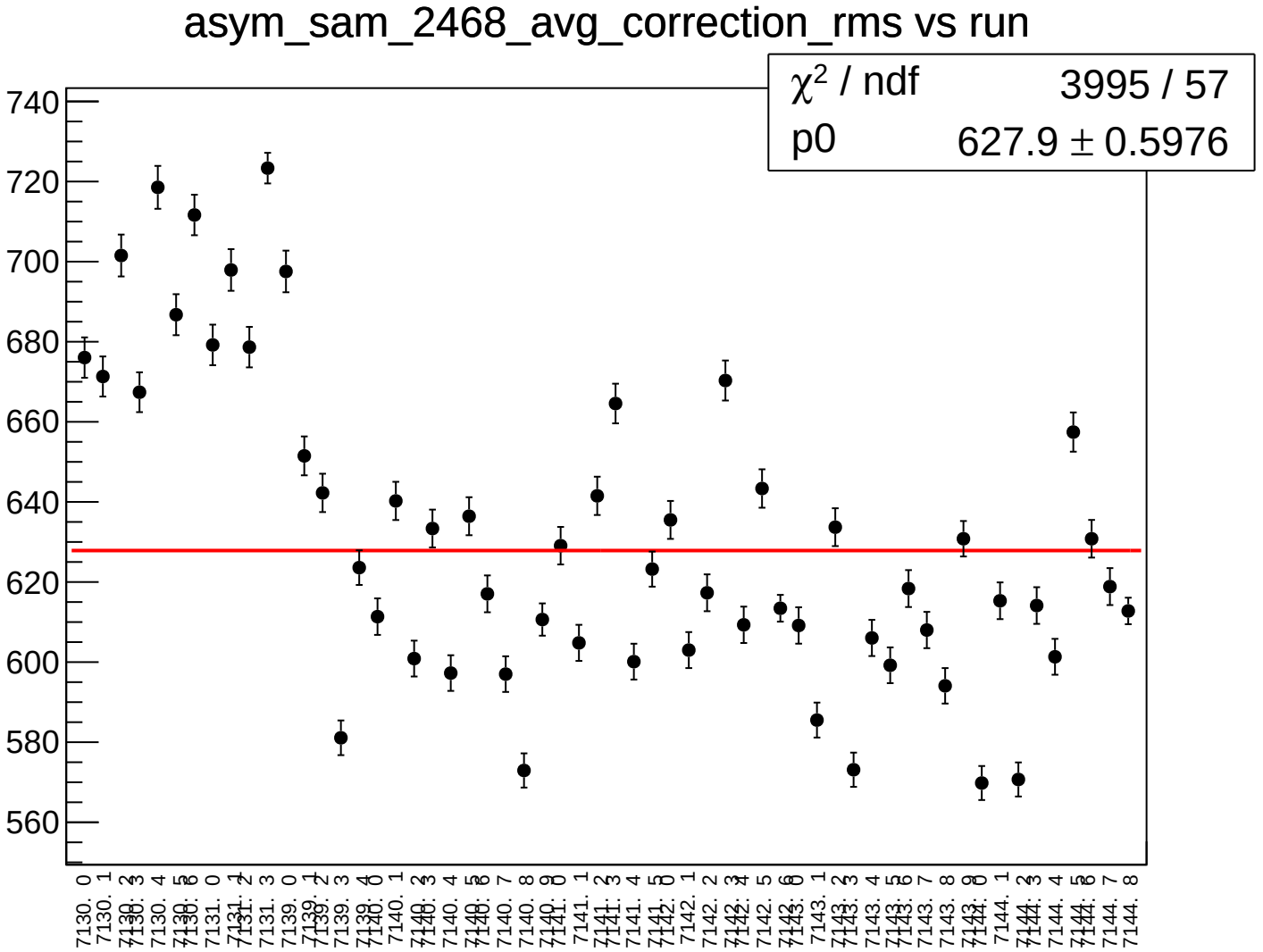

asym_sam_1357_avg_mean vs run
χ² / ndf 64.88 / 57
p0 −700.1 ± 422.1
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 612
Std Dev 581.2
pull1D
Entries 58
Mean 0.006145
Std Dev 1.058

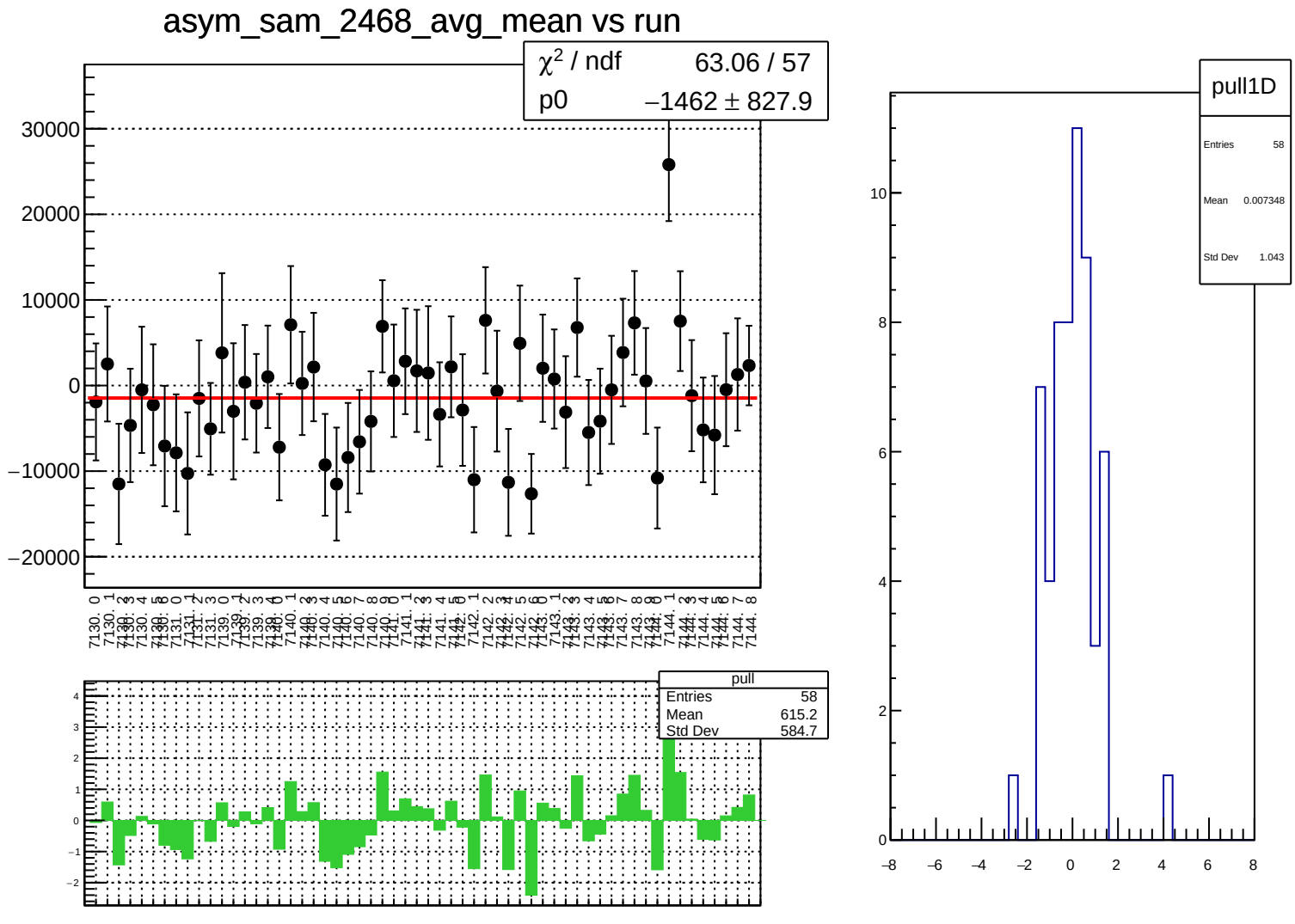

asym_sam_1357_avg_rms vs run
χ2 / ndf 8775 / 57
p0 312.9 ± 0.2985
480
460
440
420
400
380
360
340
320
300
280
260

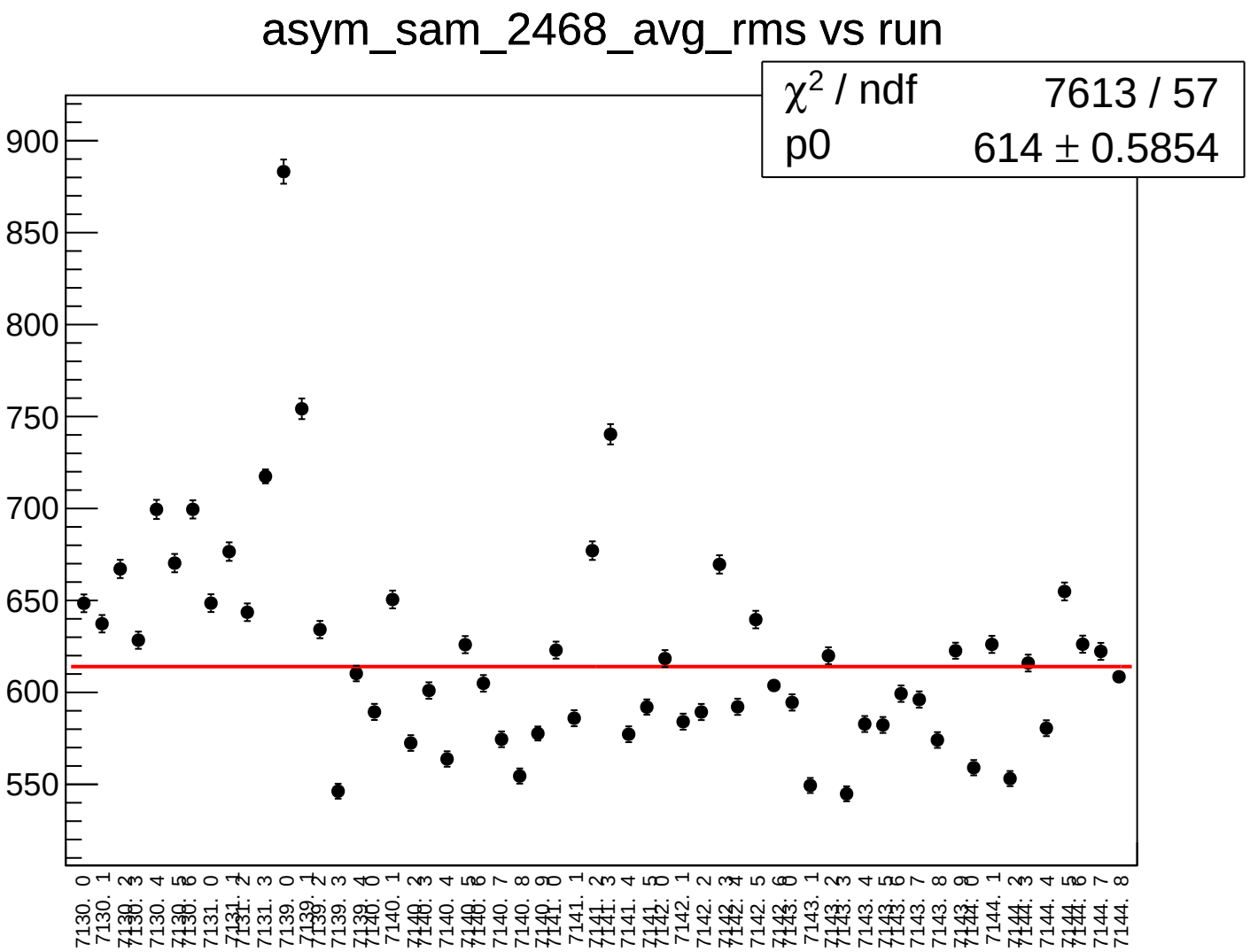

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 63.17 / 57
p0 −18.43 ± 165.8
pull
Entries 58
Mean 39.79
Std Dev 17.16
pull1D
Entries 58
Mean −0.09135
Std Dev 1.04

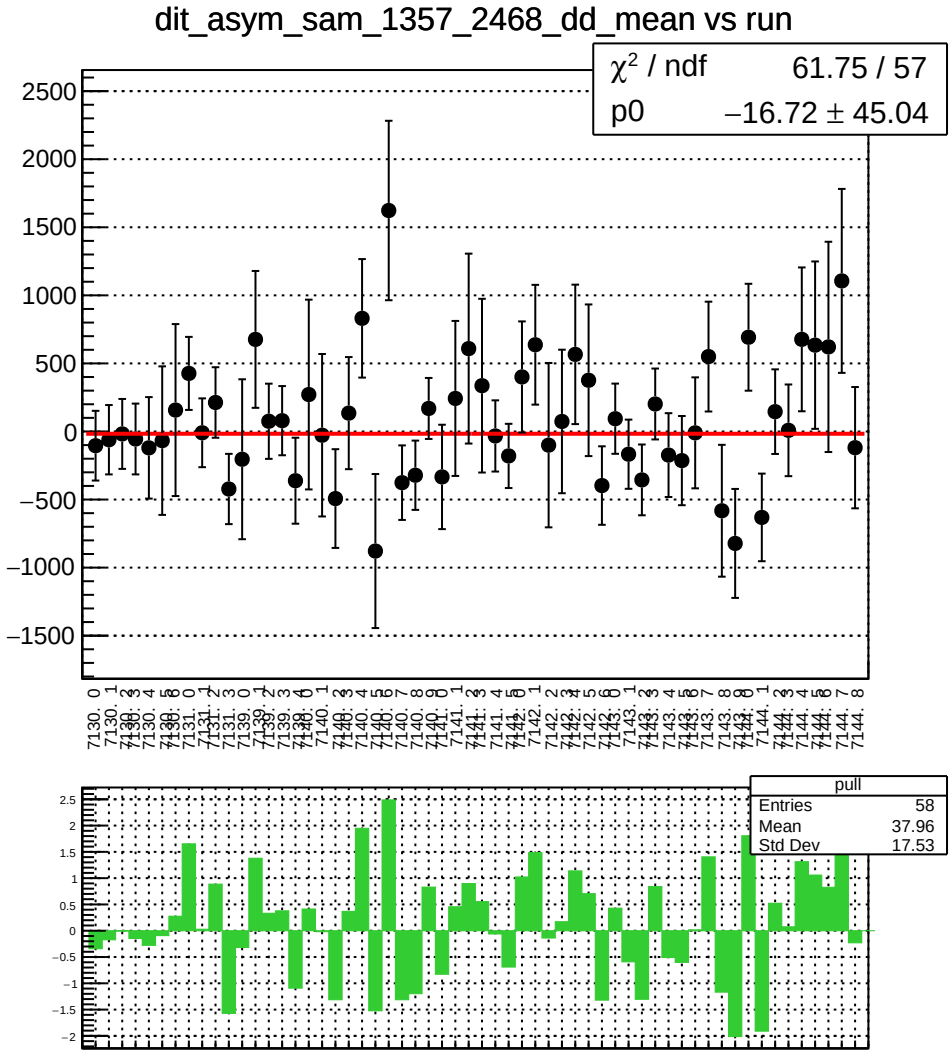

dit_asym_sam_2468_avg_rms vs run
χ2 / ndf 1.133e+05 / 57
p0 116.9 ± 0.1172
280
260
240
220
200
180
160
140
120
100
80

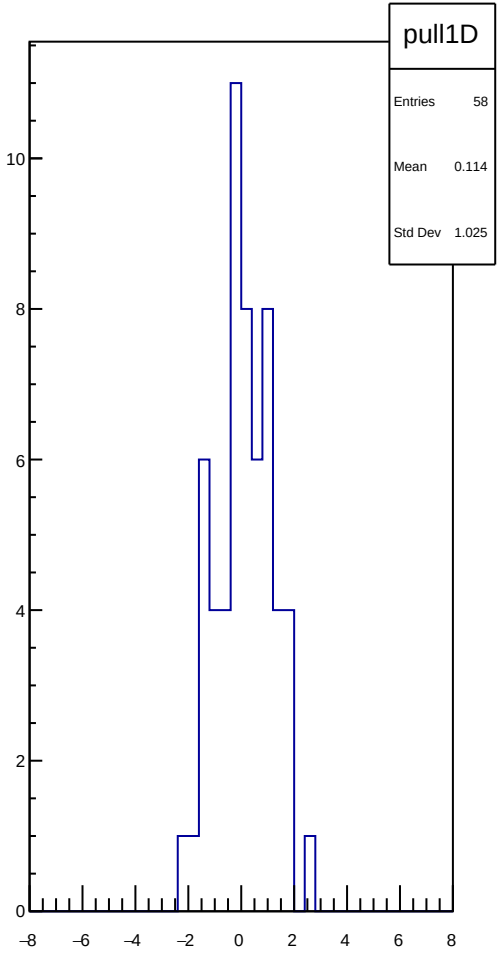

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 60.92 / 57
p0 1107 ± 845.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 58
Mean 701.8
Std Dev 670.9
pull1D
Entries 58
Mean −0.006894
Std Dev 1.025


asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3995 / 57
p0 627.9 ± 0.5976
740
720
700
680
660
640
620
600
580
560

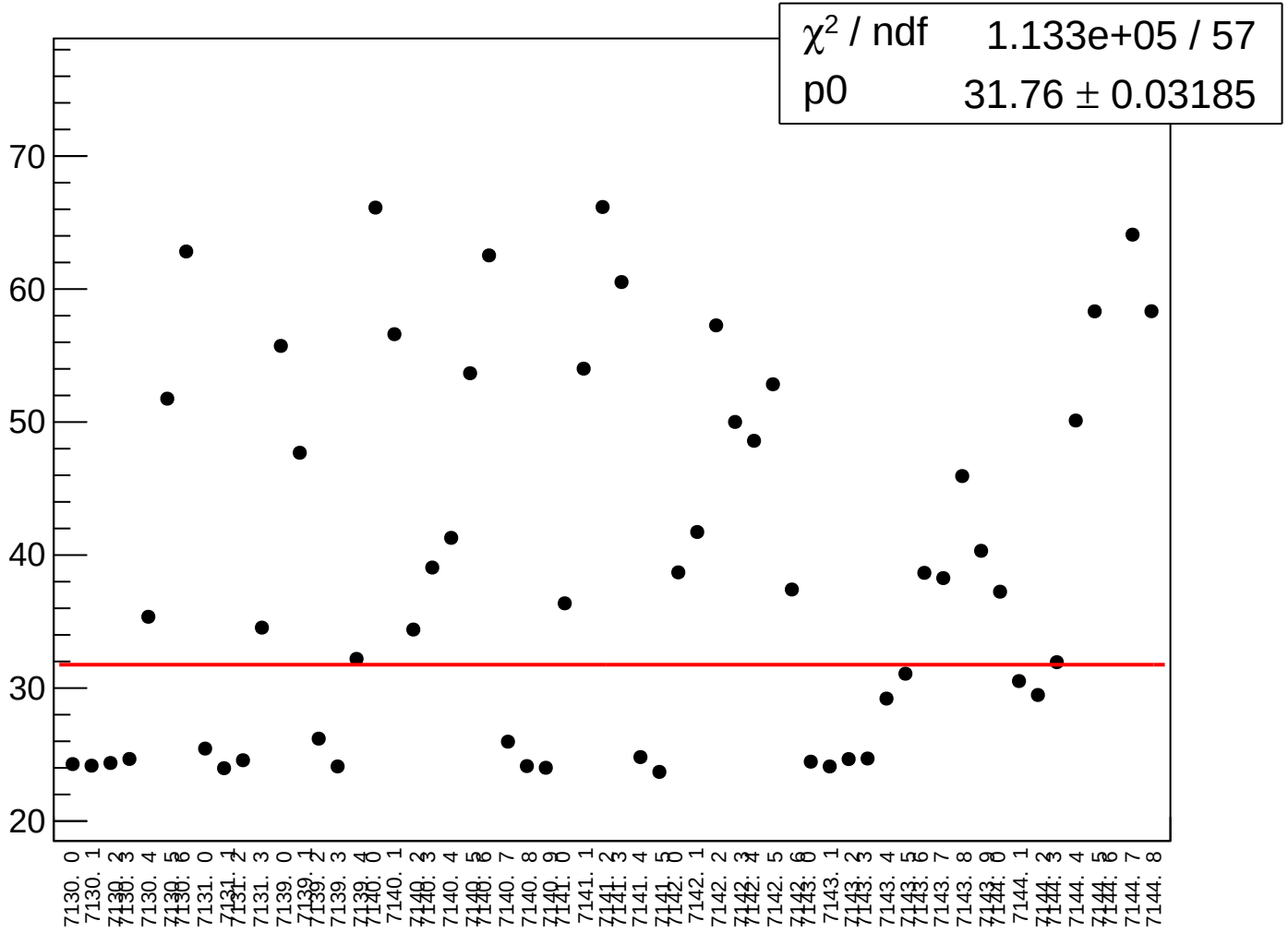

asym_sam_2468_avg_mean vs run
χ² / ndf 63.06 / 57
p0 −1462 ± 827.9
30000
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 615.2
Std Dev 584.7
pull1D
Entries 58
Mean 0.007348
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

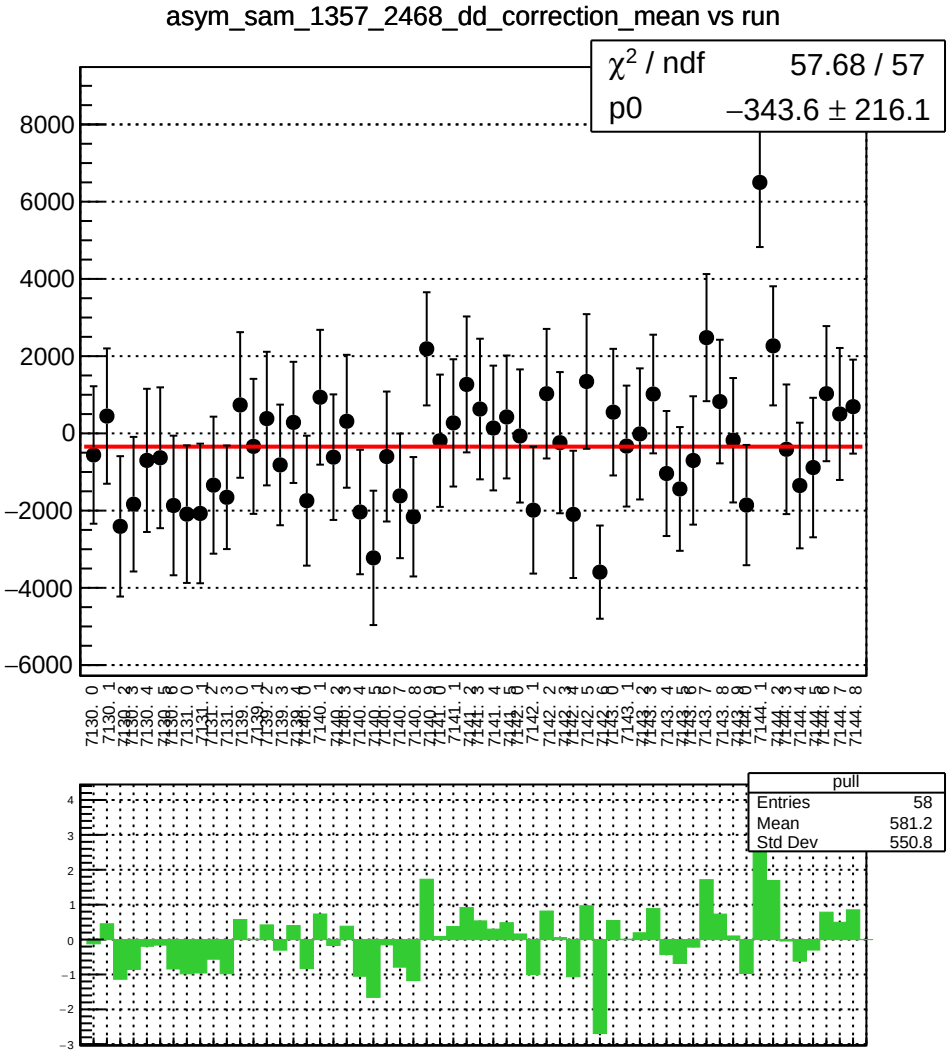

asym_sam_2468_avg_rms vs run
χ2 / ndf 7613 / 57
p0 614 ± 0.5854
900
850
800
750
700
650
600
550

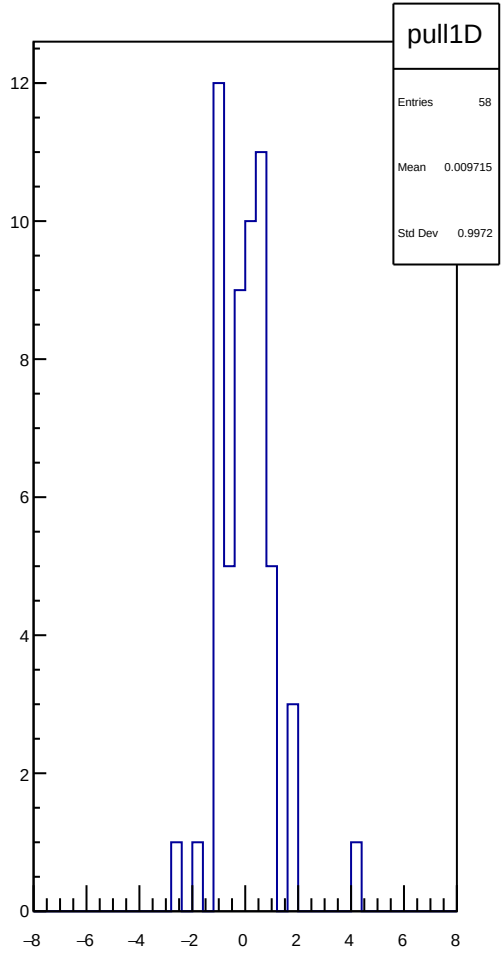

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 61.75 / 57
p0 −16.72 ± 45.04
pull
Entries 58
Mean 37.96
Std Dev 17.53

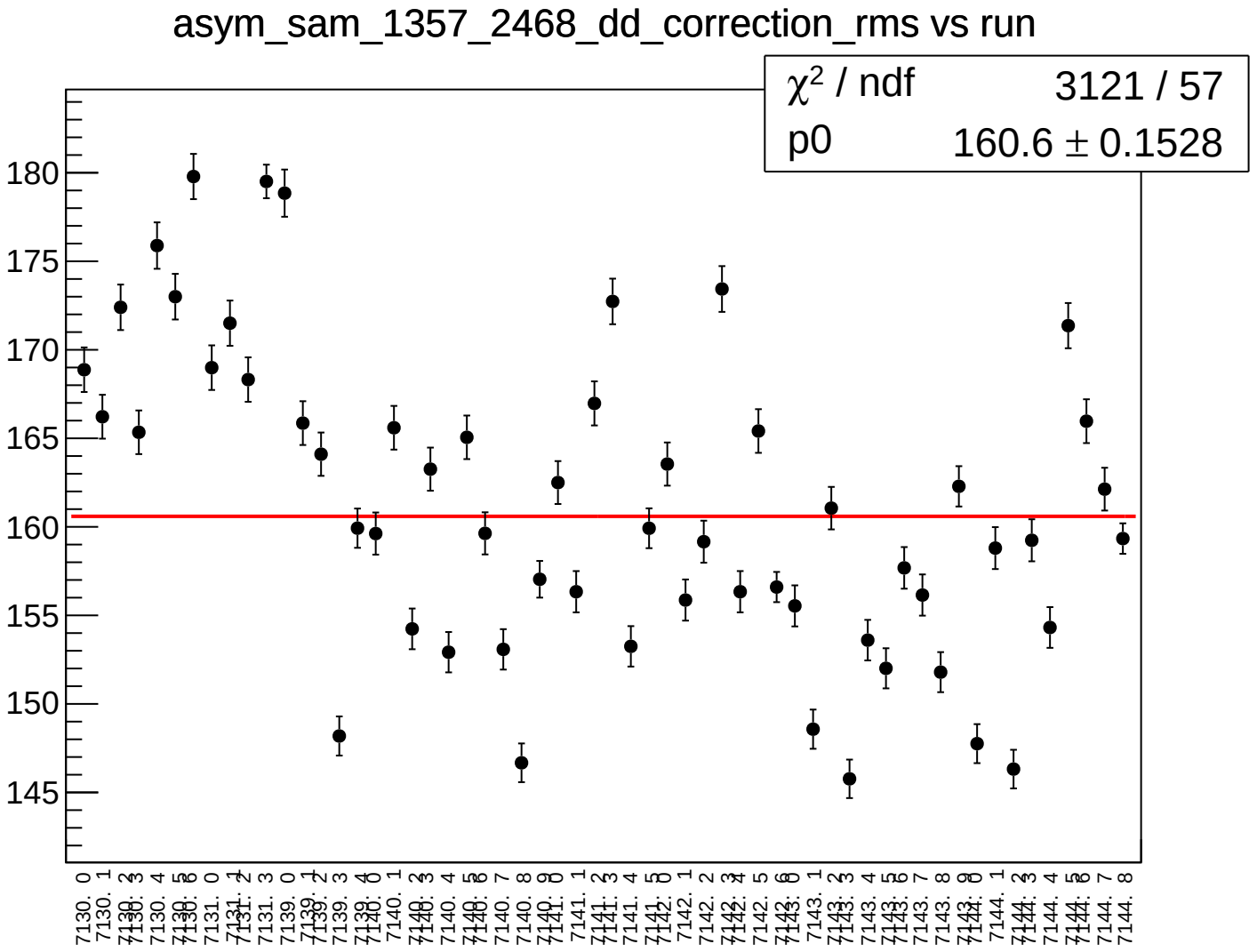

pull1D
Entries 58
Mean 0.114
Std Dev 1.025

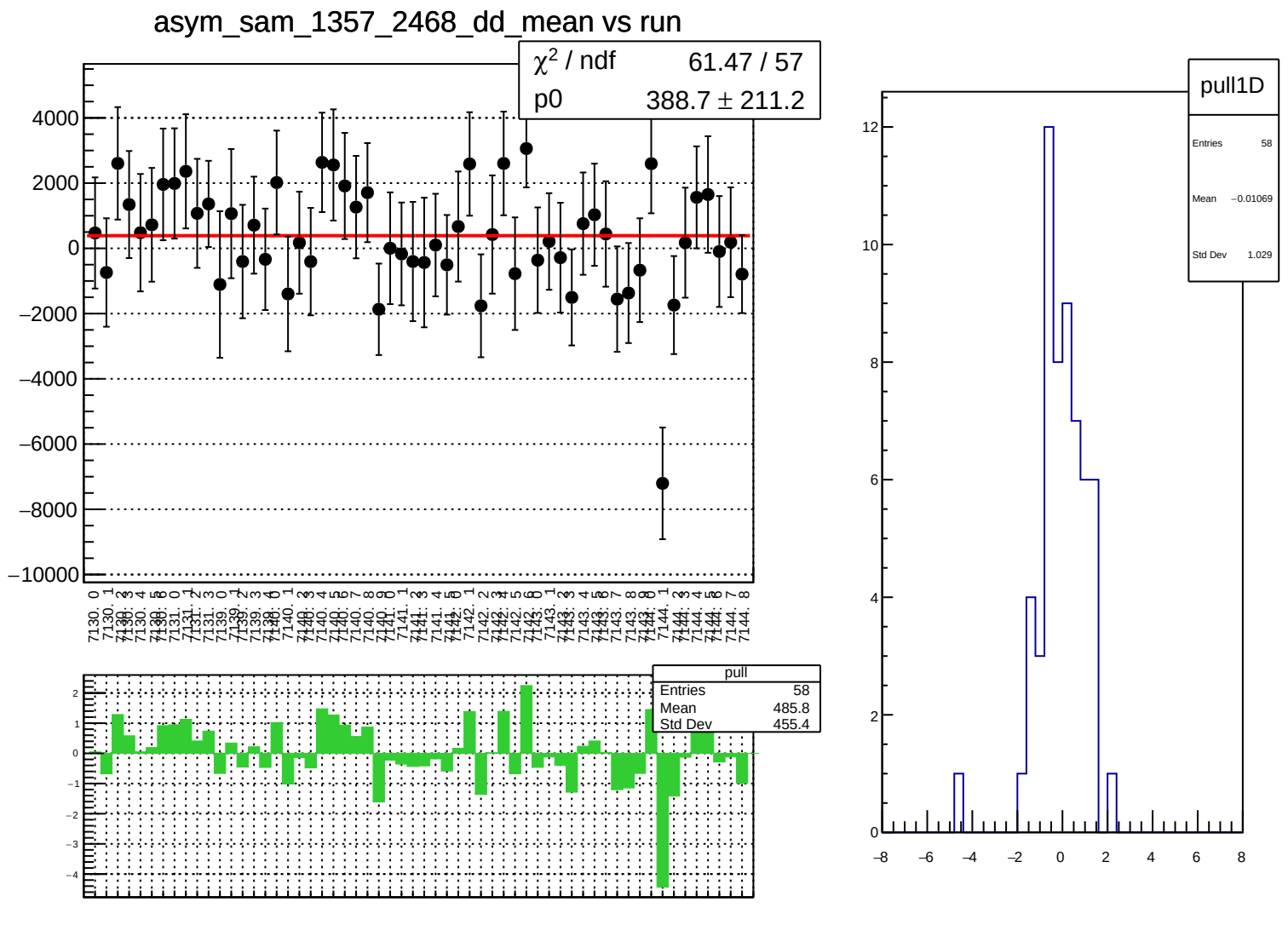
dit_asym_sam_1357_2468_dd_rms vs run

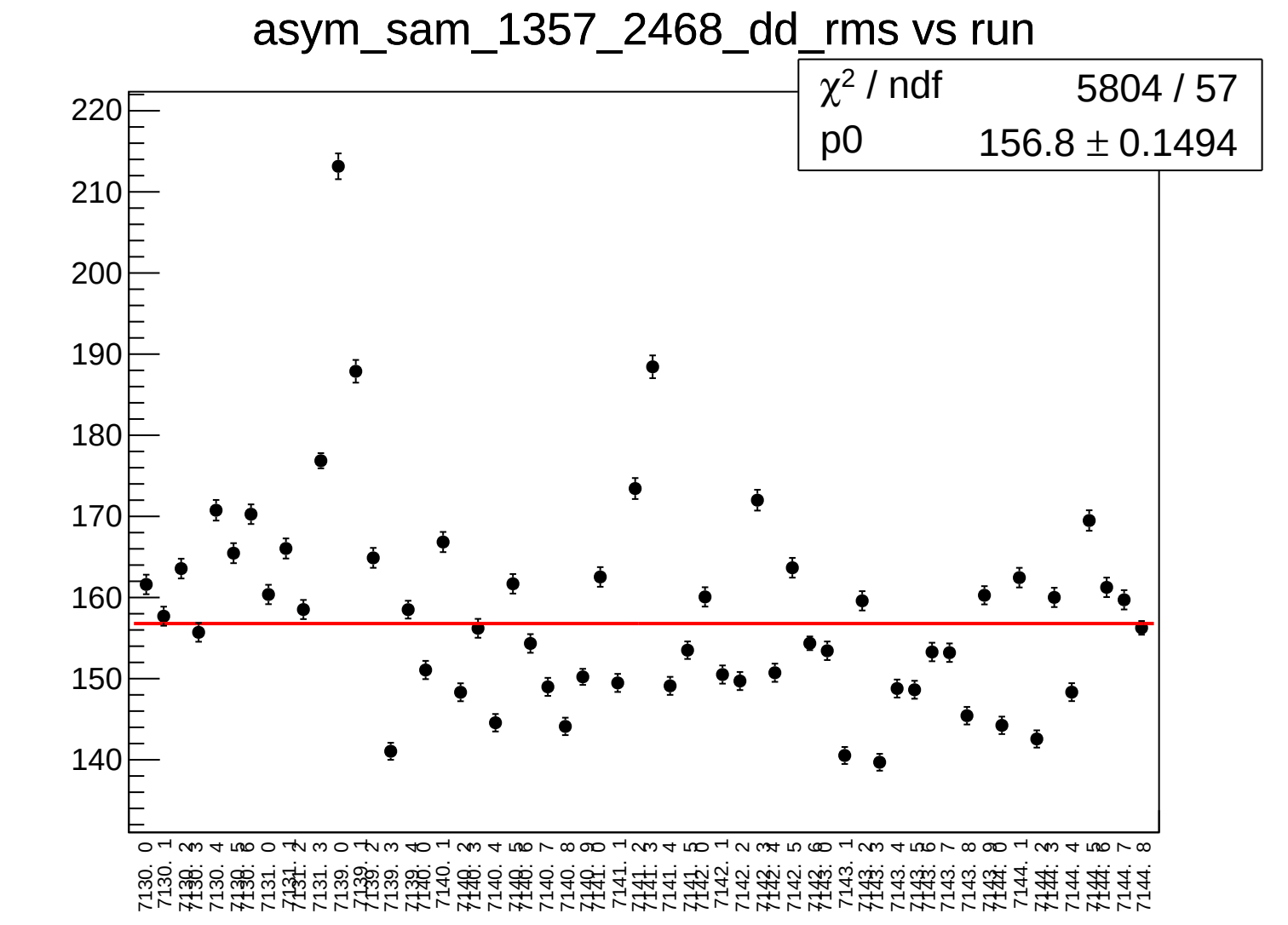


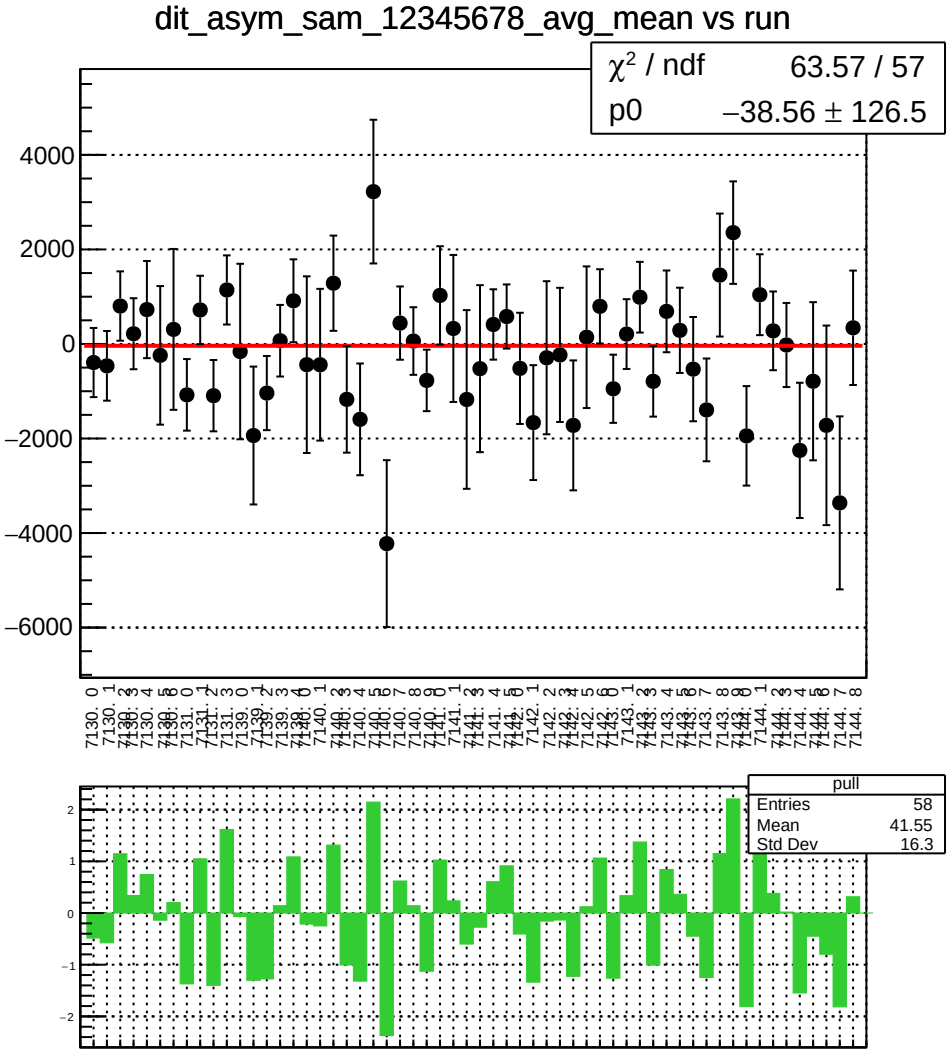

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 57.68 / 57
p0 −343.6 ± 216.1
pull
Entries 58
Mean 581.2
Std Dev 550.8

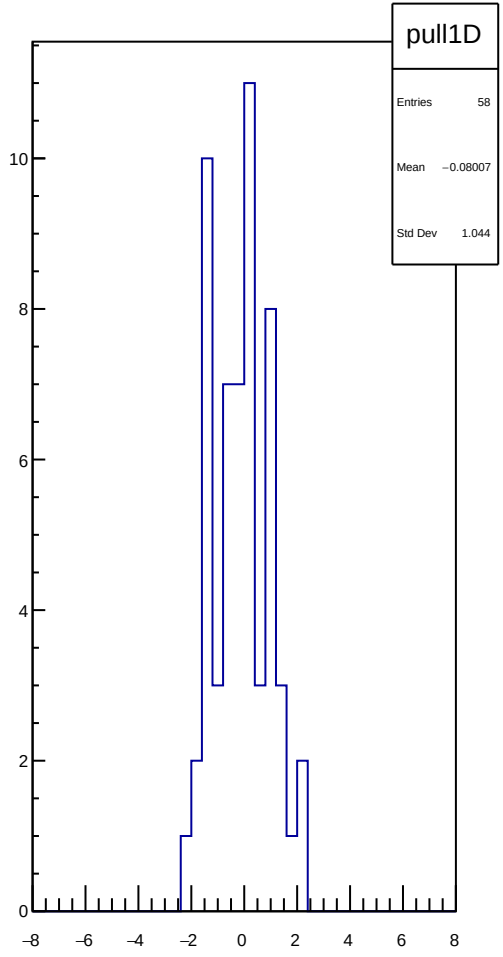

pull1D
Entries 58
Mean 0.009715
Std Dev 0.9972

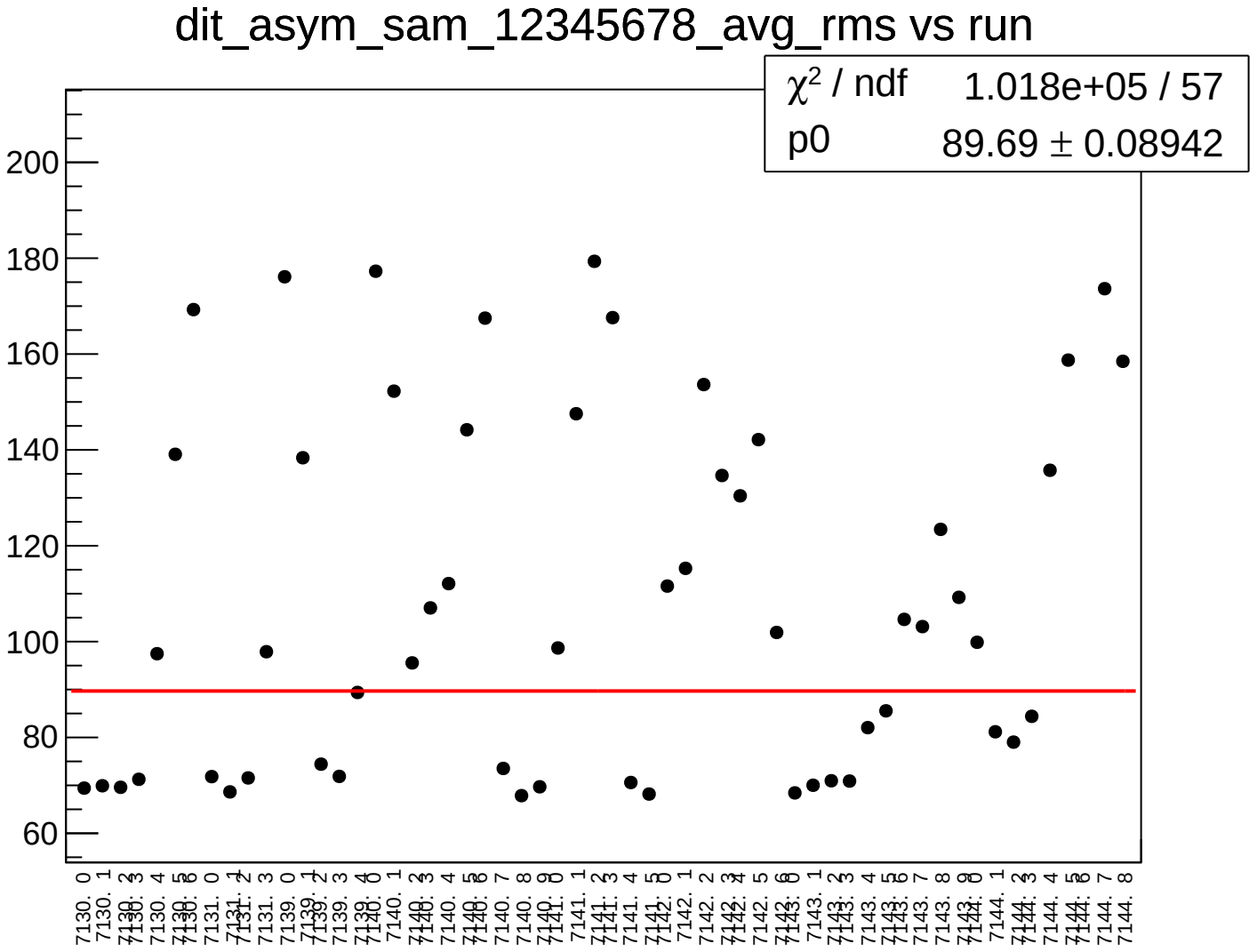

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3121 / 57
p0 160.6 ± 0.1528
180
175
170
165
160
155
150
145

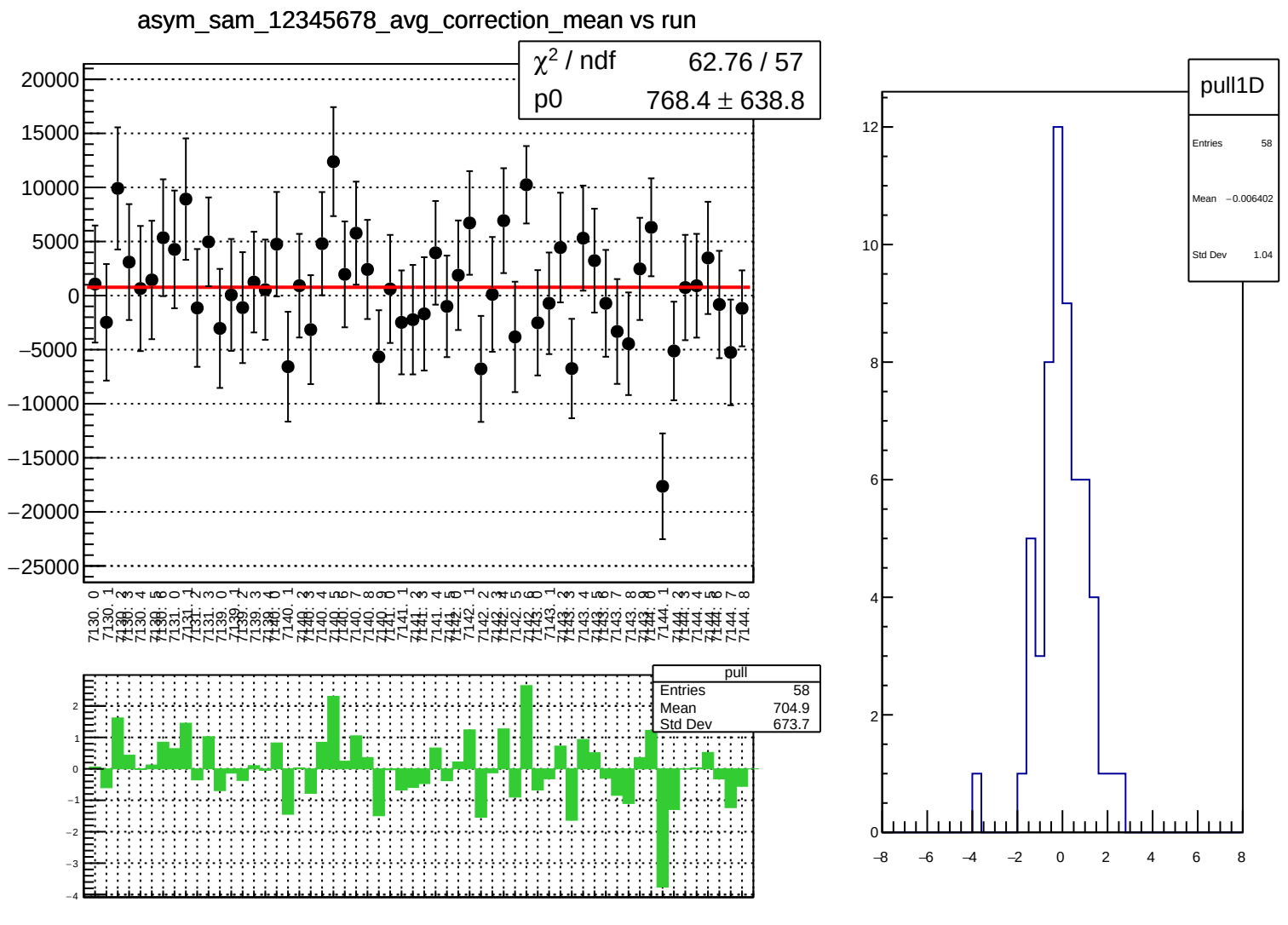

asym_sam_1357_2468_dd_mean vs run
χ2 / ndf 61.47 / 57
p0 388.7 ± 211.2
pull
Entries 58
Mean 485.8
Std Dev 455.4
pull1D
Entries 58
Mean −0.01069
Std Dev 1.029

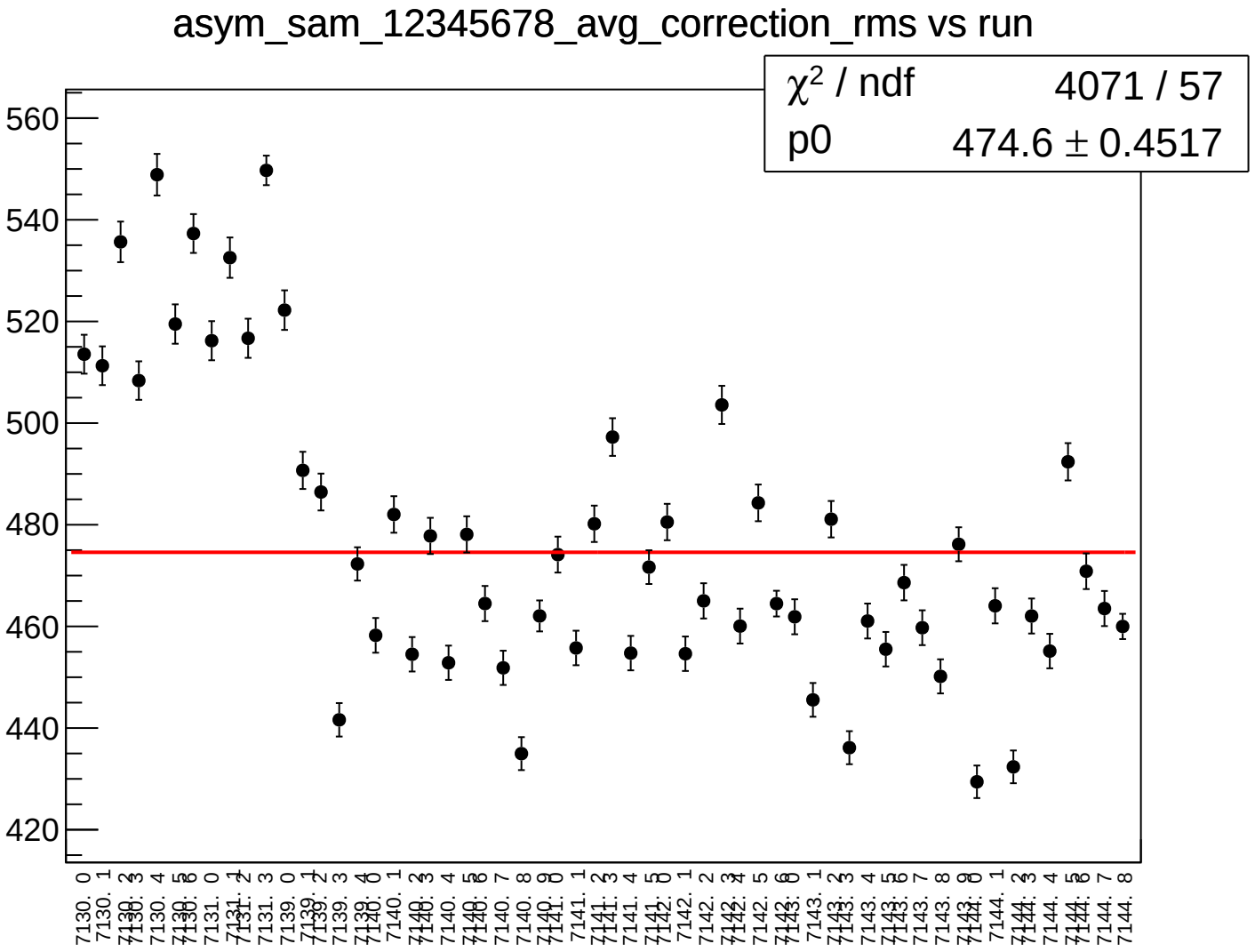

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 5804 / 57
p0 156.8 ± 0.1494
220
210
200
190
180
170
160
150
140

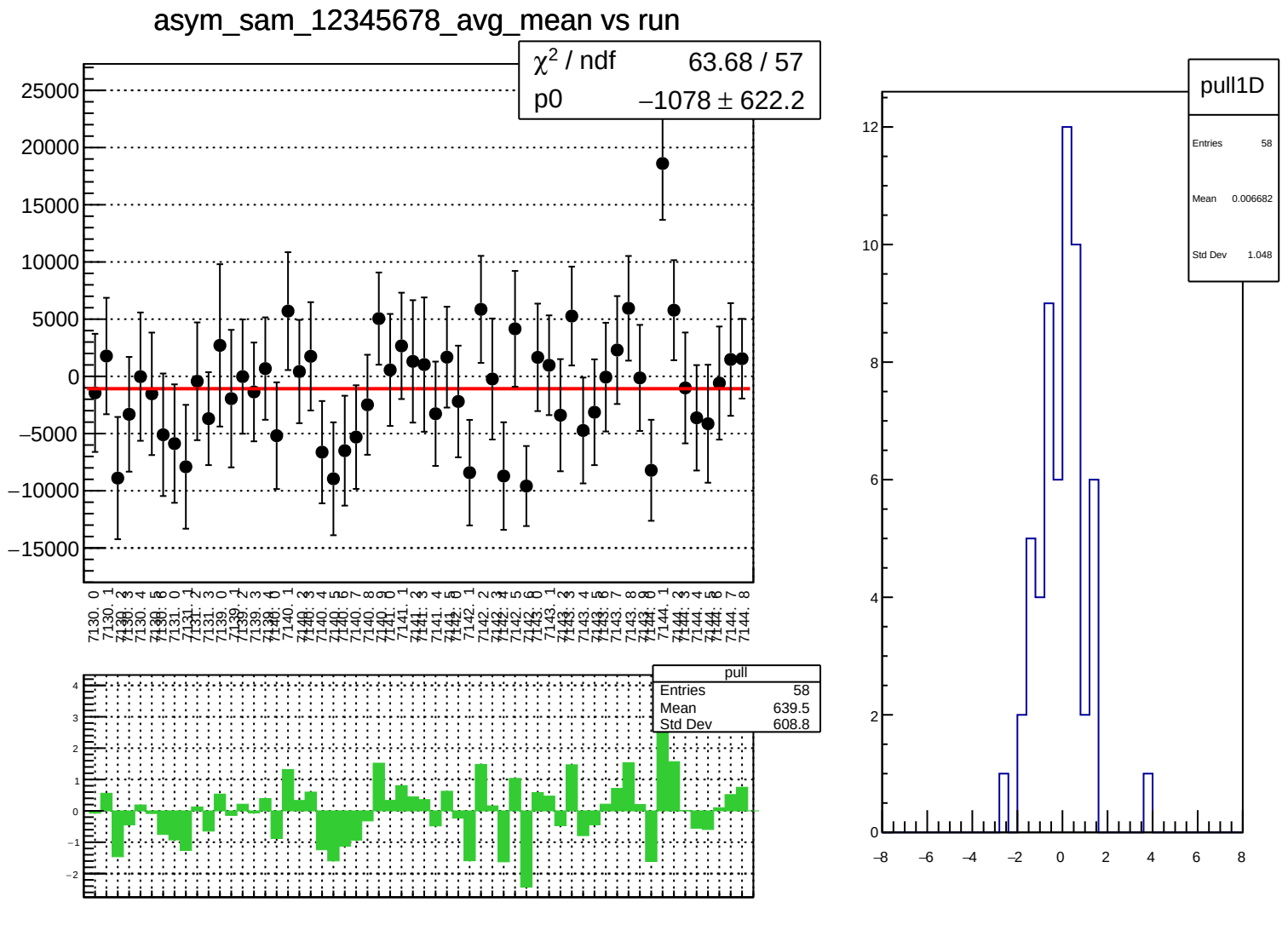

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 63.57 / 57
p0 −38.56 ± 126.5
pull
Entries 58
Mean 41.55
Std Dev 16.3

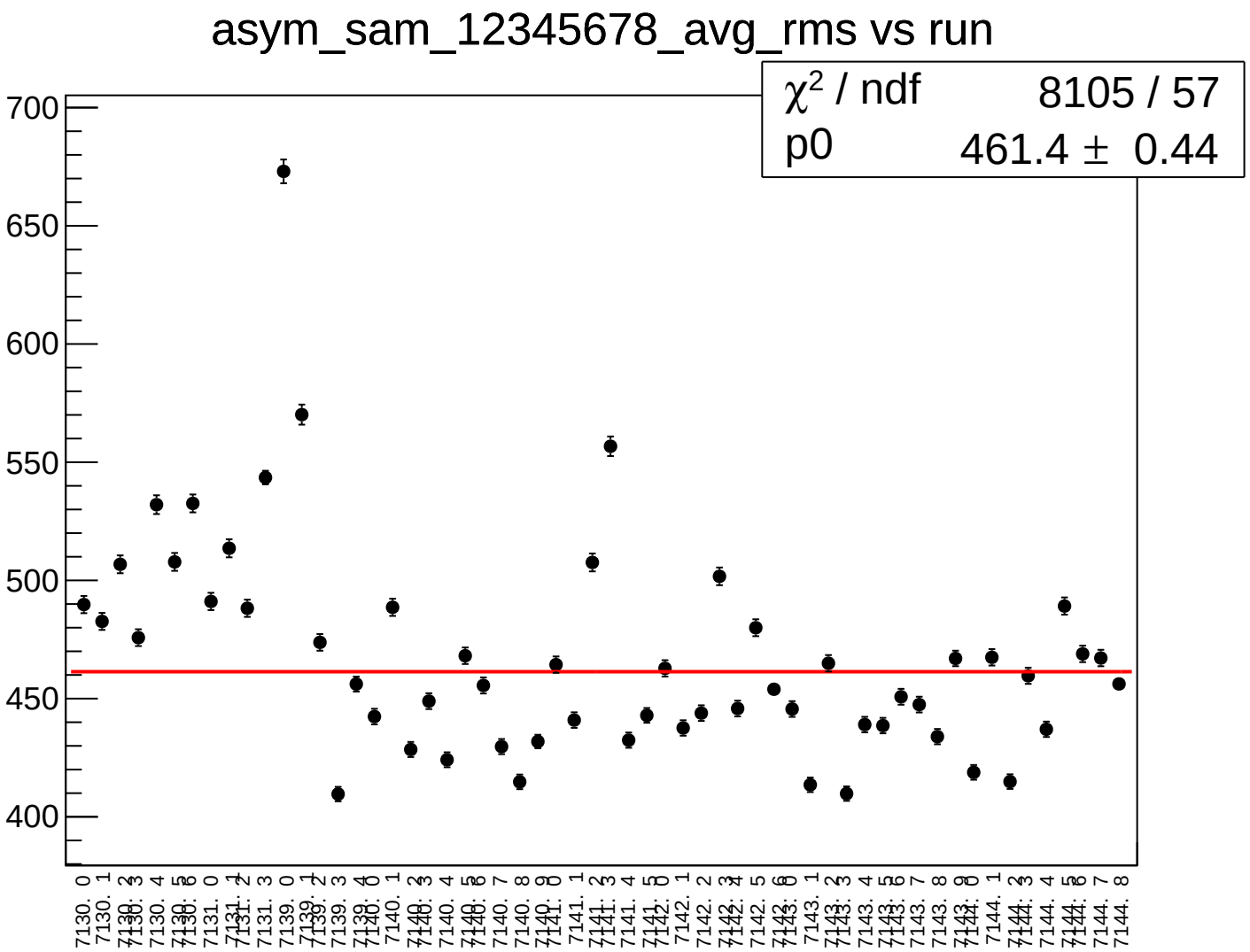

pull1D
Entries 58
Mean −0.08007
Std Dev 1.044

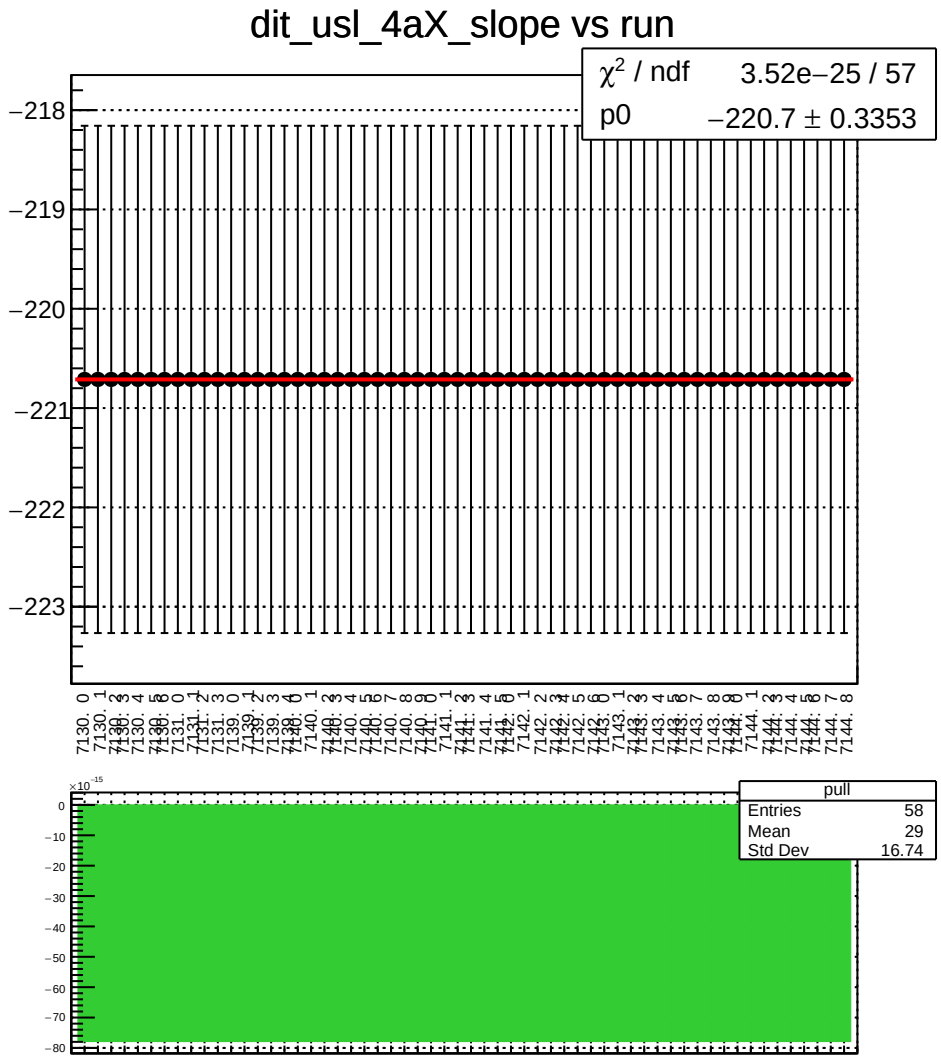

dit_asym_sam_12345678_avg_rms vs run
χ2 / ndf 1.018e+05 / 57
p0 89.69 ± 0.08942
200
180
160
140
120
100
80
60
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 0
7141. 1
7141. 2
7141. 3
7141. 4
7141. 5
7142. 0
7142. 1
7142. 2
7142. 3
7142. 4
7142. 5
7142. 6
7143. 0
7143. 1
7143. 2
7143. 3
7143. 4
7143. 5
7143. 6
7143. 7
7143. 8
7143. 9
7144. 0
7144. 1
7144. 2
7144. 3
7144. 4
7144. 5
7144. 6
7144. 7
7144. 8

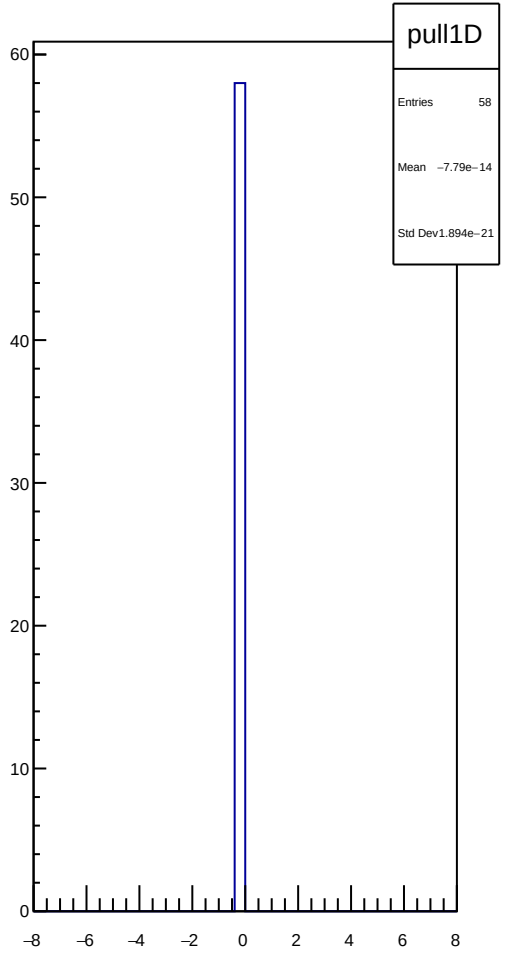

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 62.76 / 57
p0 768.4 ± 638.8
pull
Entries 58
Mean 704.9
Std Dev 673.7
pull1D
Entries 58
Mean −0.006402
Std Dev 1.04

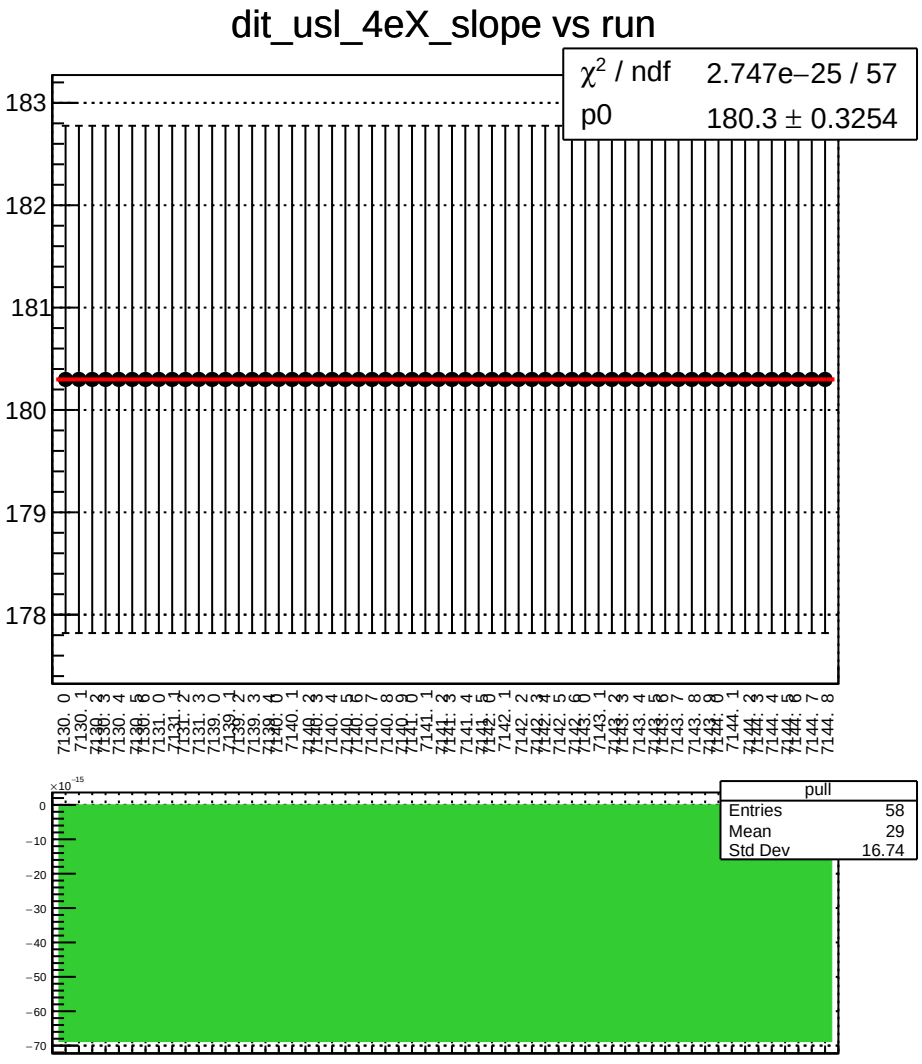

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 4071 / 57
p0 474.6 ± 0.4517
560
540
520
500
480
460
440
420

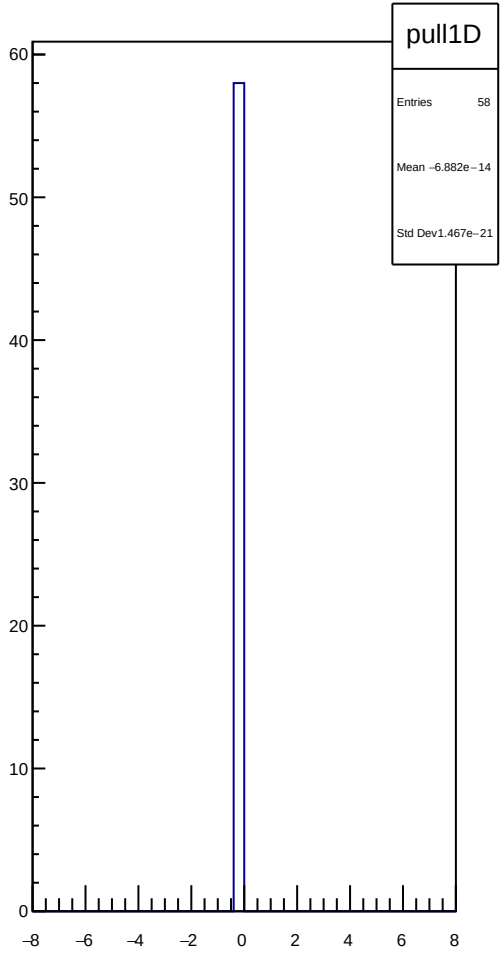

asym_sam_12345678_avg_mean vs run
χ² / ndf 63.68 / 57
p0 −1078 ± 622.2
pull
Entries 58
Mean 639.5
Std Dev 608.8
pull1D
Entries 58
Mean 0.006682
Std Dev 1.048


asym_sam_12345678_avg_rms vs run
χ² / ndf 8105 / 57
p0 461.4 ± 0.44
700
650
600
550
500
450
400

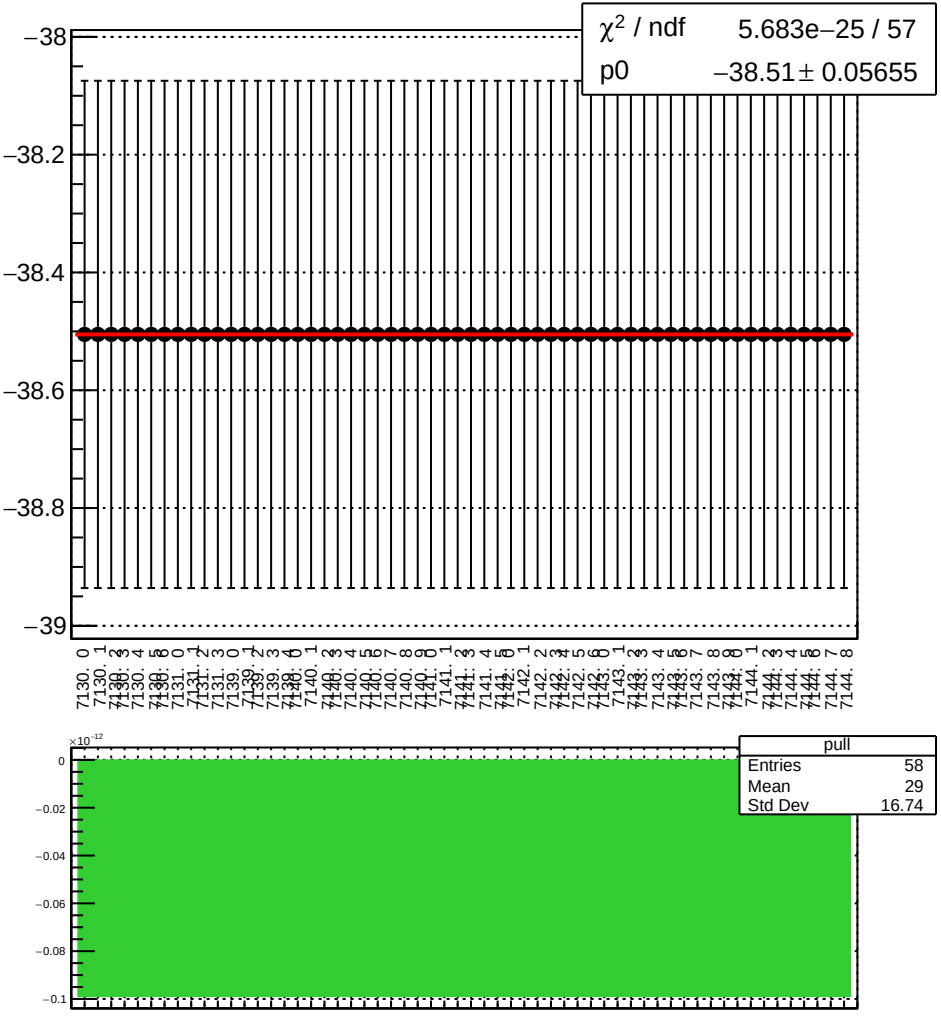

dit_usl_4aX_slope vs run
χ^2 / ndf 3.52e−25 / 57
p0 −220.7 ± 0.3353
−218
−219
−220
−221
−222
−223
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
0
−10
−20
−30
−40
−50
−60
−70
−80

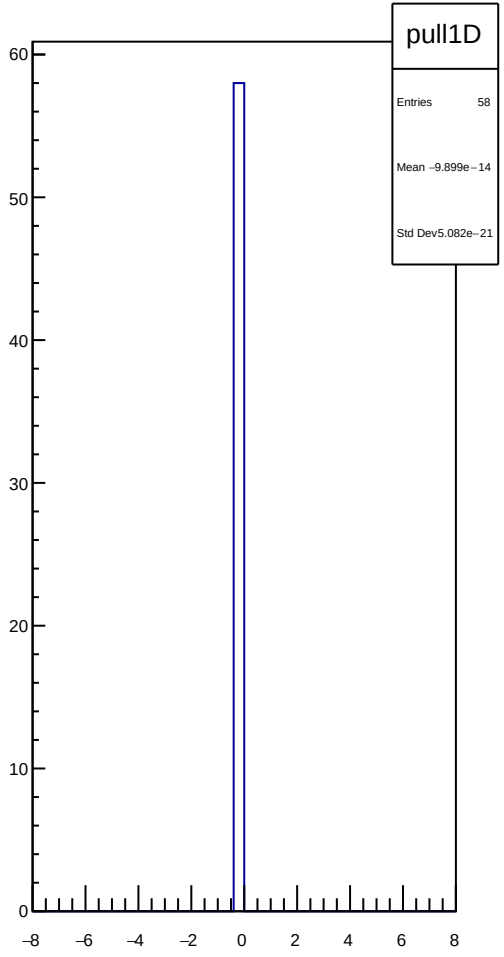

pull1D
Entries 58
Mean −7.79e−14
Std Dev 1.894e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

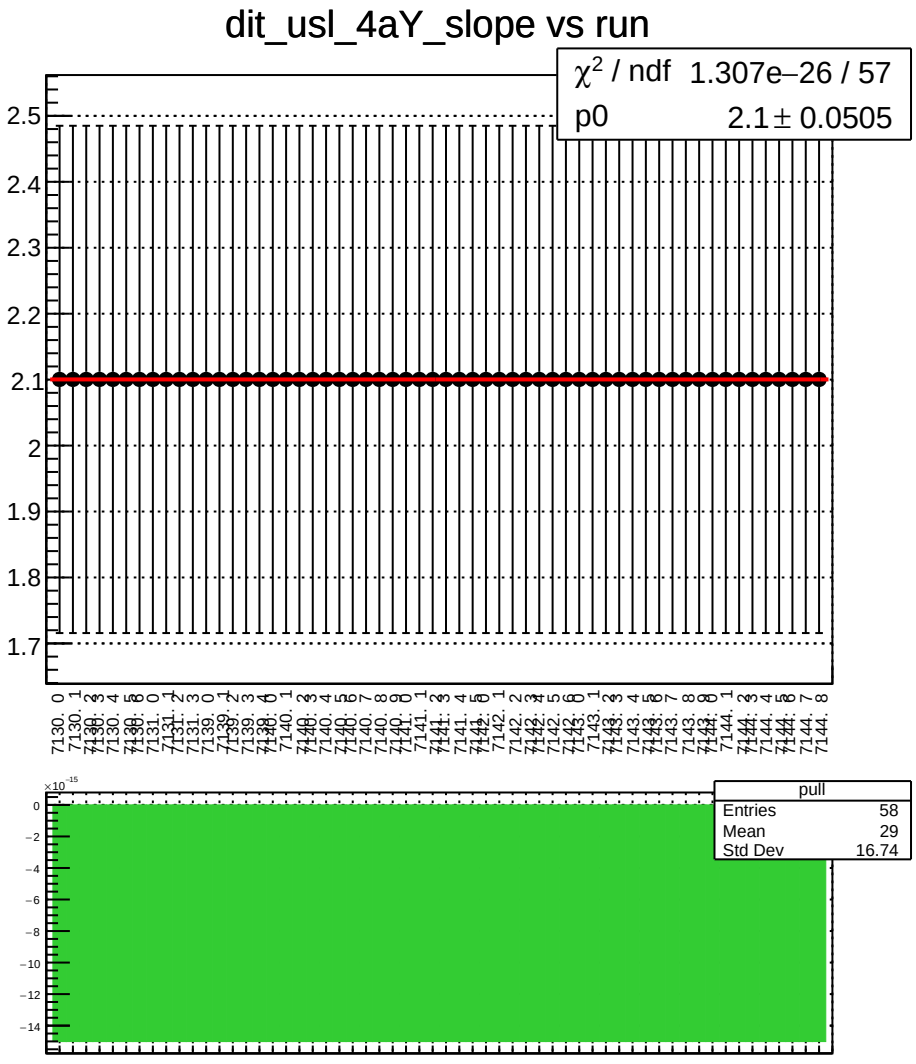

dit_usl_4eX_slope vs run
χ^2 / ndf 2.747e−25 / 57
p0 180.3 ± 0.3254
183
182
181
180
179
178
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
0
−10
−20
−30
−40
−50
−60
−70

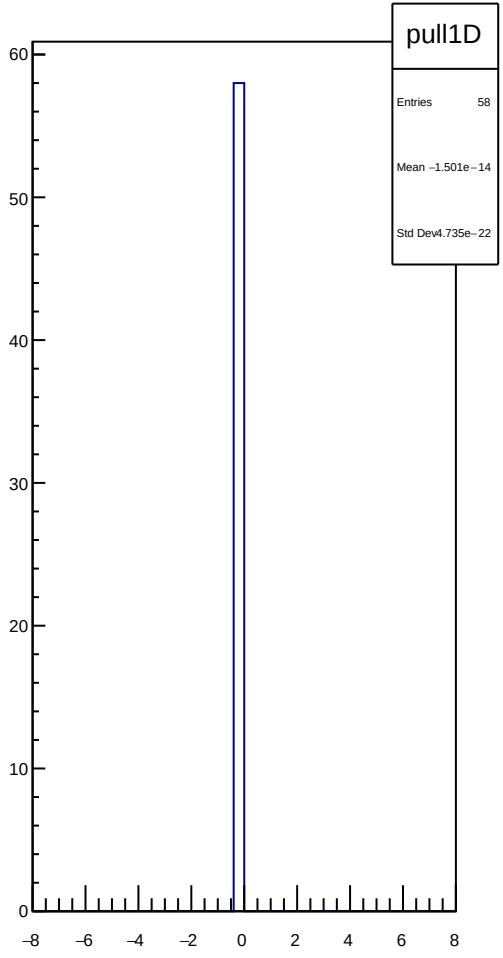

pull1D
Entries 58
Mean −6.882e−14
Std Dev 1.467e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

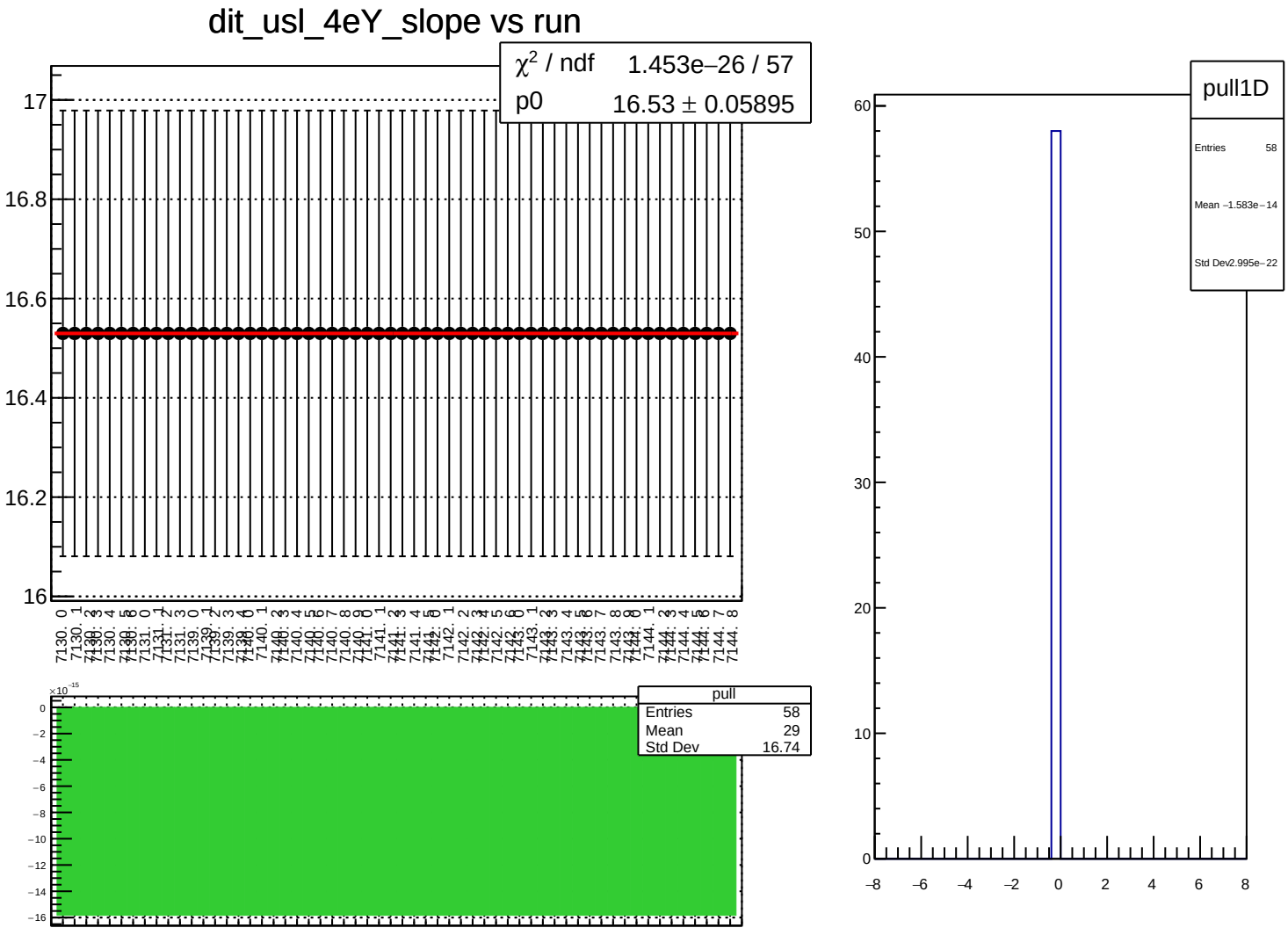
dit_usl_11X12X_slope vs run

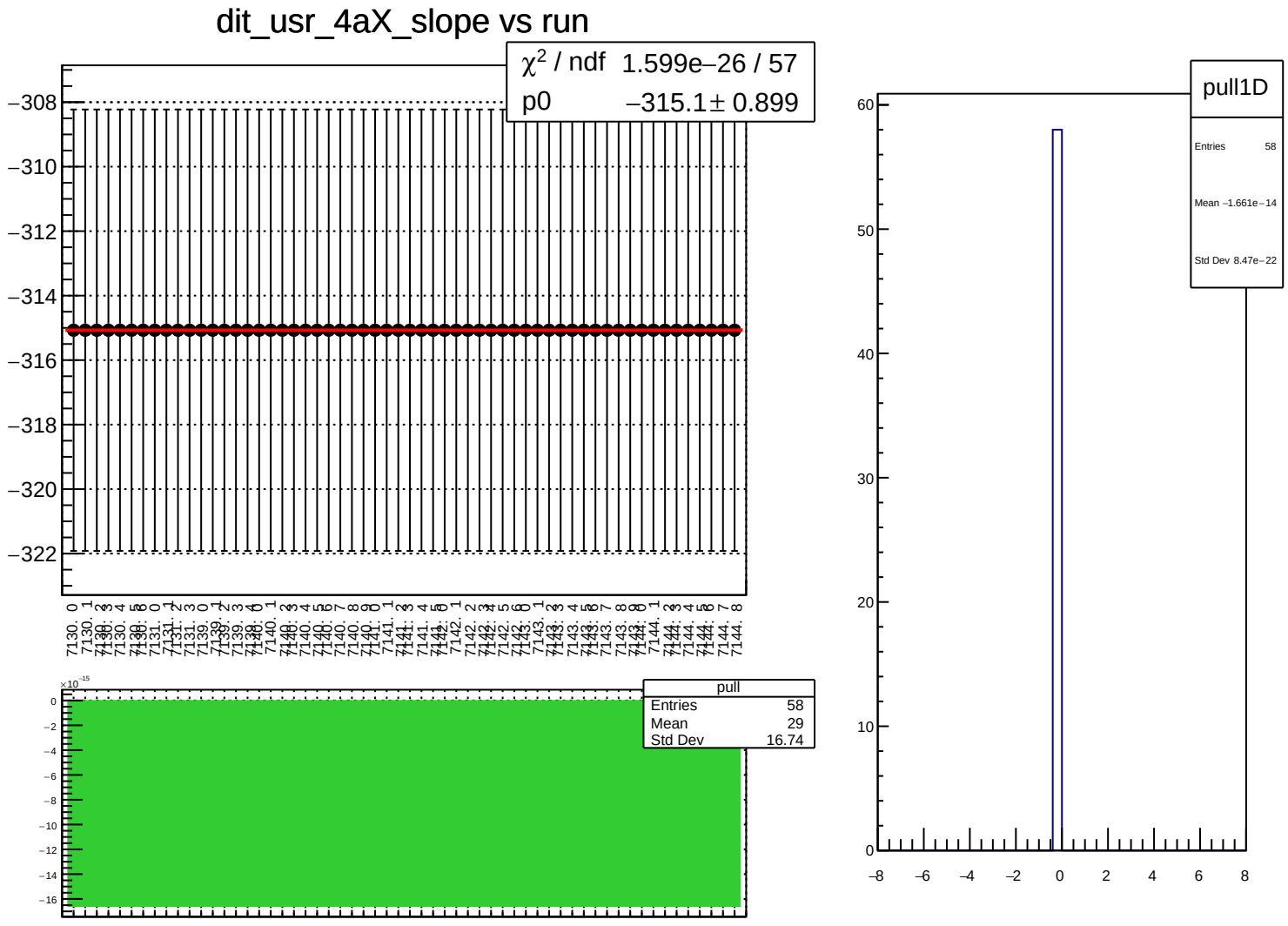


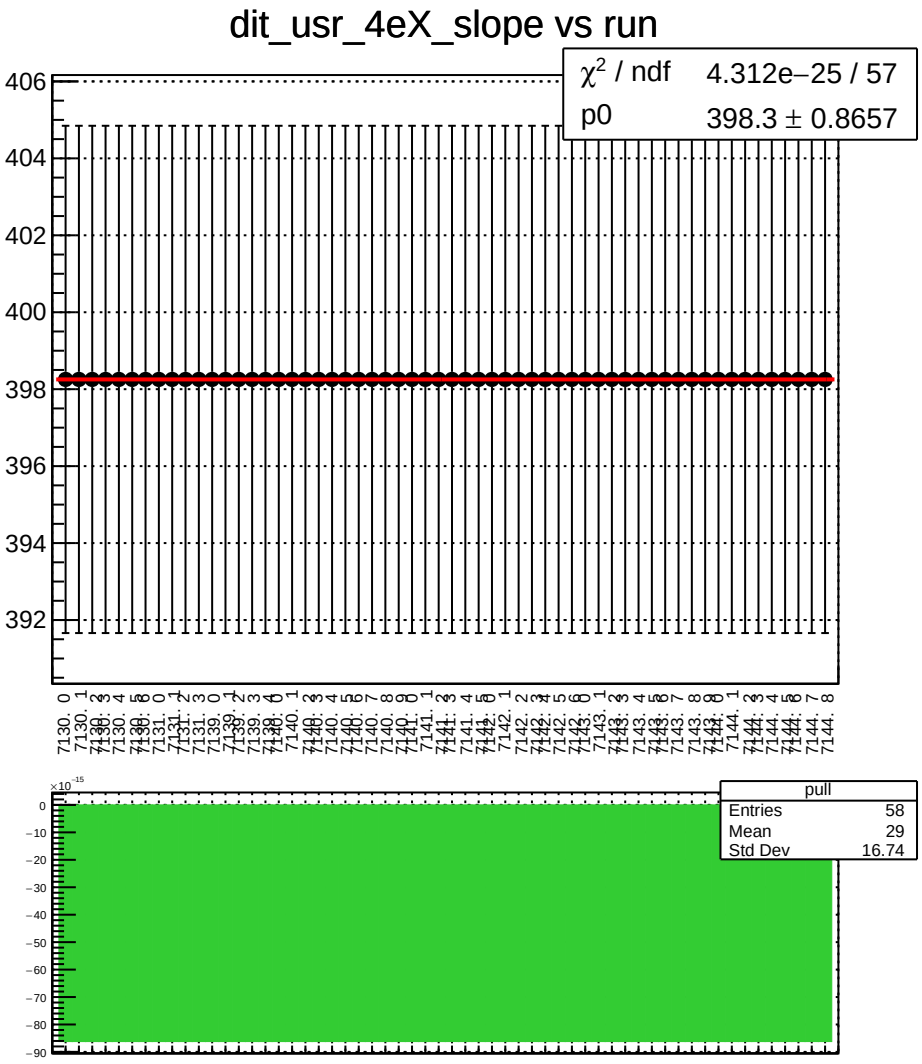


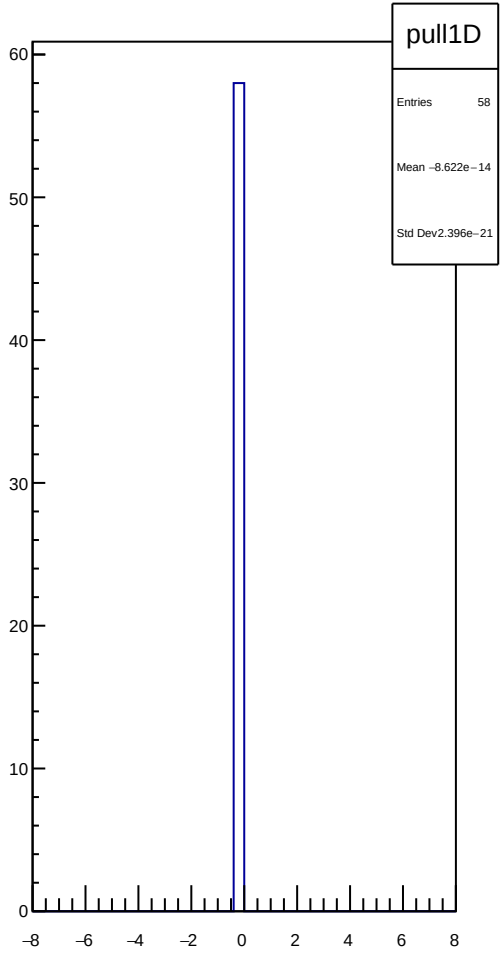

dit_usl_4aY_slope vs run
χ^2 / ndf 1.307e−26 / 57
p0 2.1 ± 0.0505
pull
Entries 58
Mean 29
Std Dev 16.74

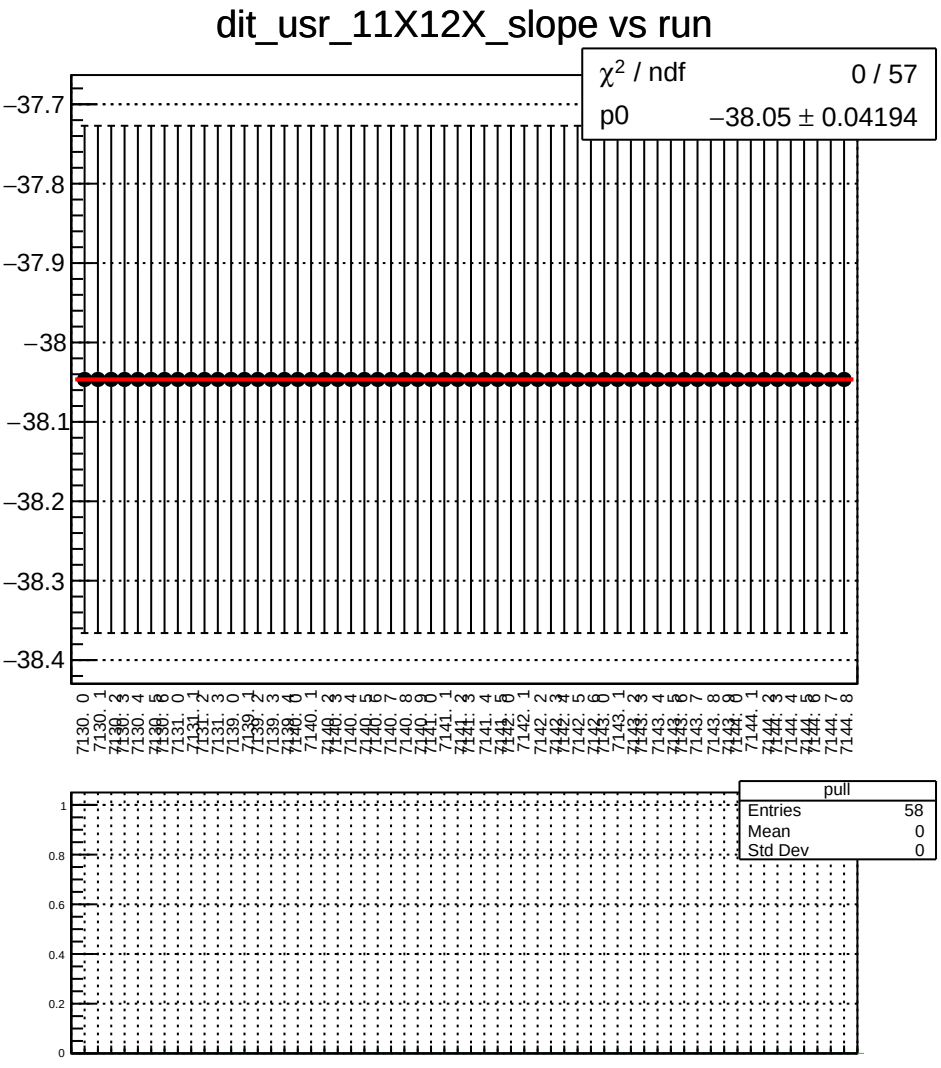

pull1D
Entries 58
Mean −1.501e−14
Std Dev 4.735e−22

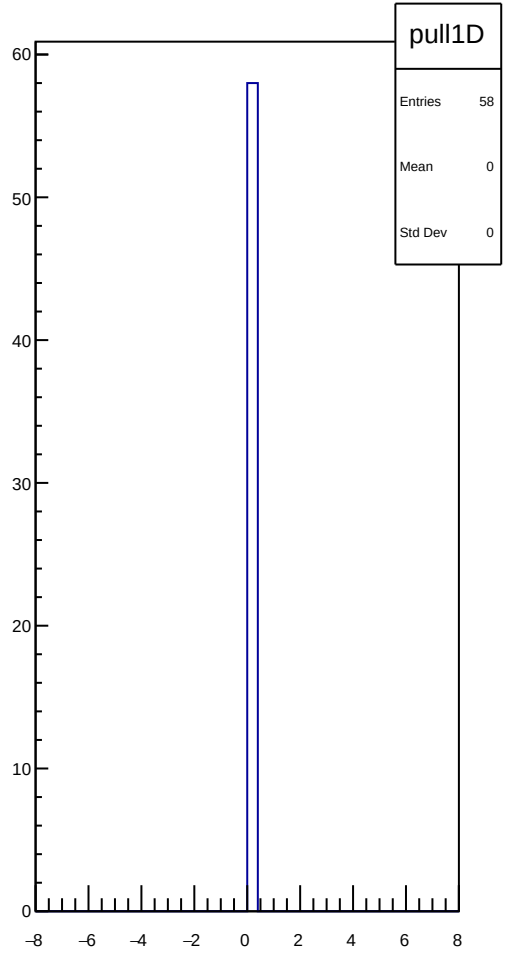

dit_usl_4eY_slope vs run
χ² / ndf 1.453e−26 / 57
p0 16.53 ± 0.05895
17
16.8
16.6
16.4
16.2
16
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 58
Mean −1.583e−14
Std Dev 2.995e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

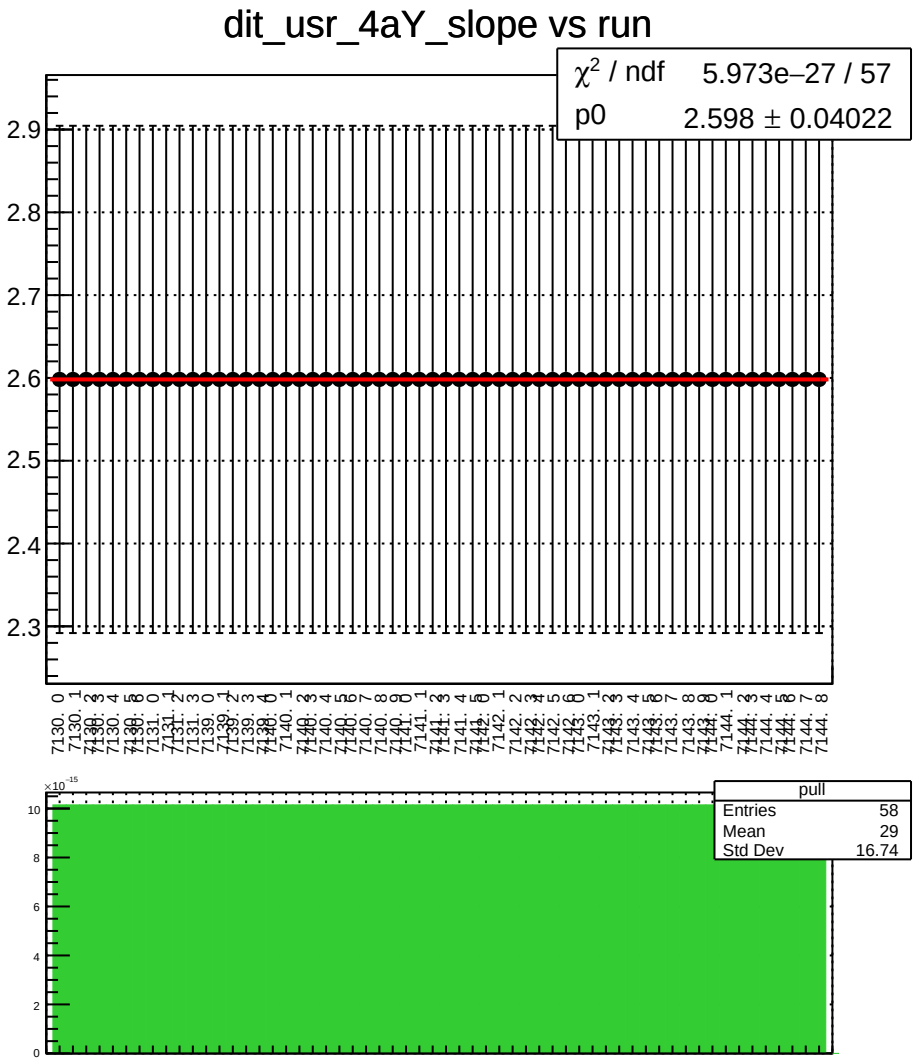

dit_usr_4aX_slope vs run
χ² / ndf 1.599e−26 / 57
p0 −315.1 ± 0.899
−308
−310
−312
−314
−316
−318
−320
−322
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 58
Mean −1.661e−14
Std Dev 8.47e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

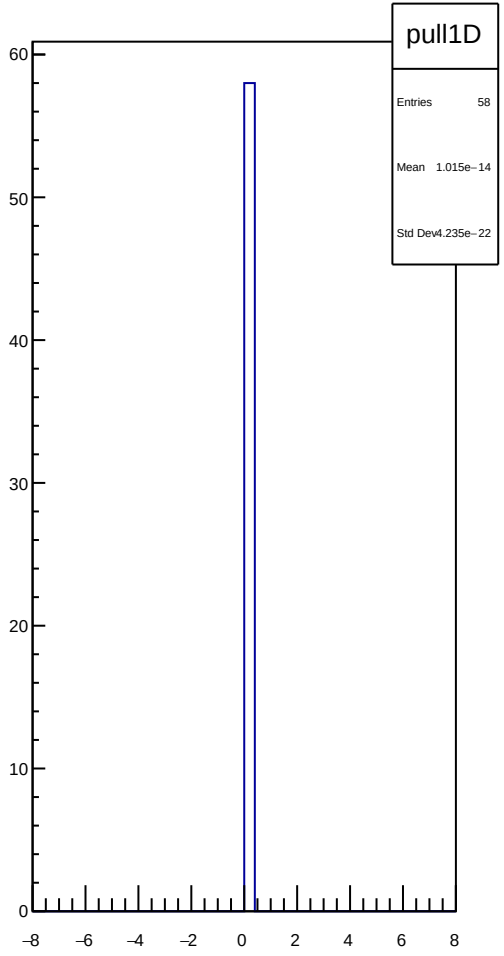

dit_usr_4eX_slope vs run
χ² / ndf 4.312e−25 / 57
p0 398.3 ± 0.8657
406
404
402
400
398
396
394
392
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90

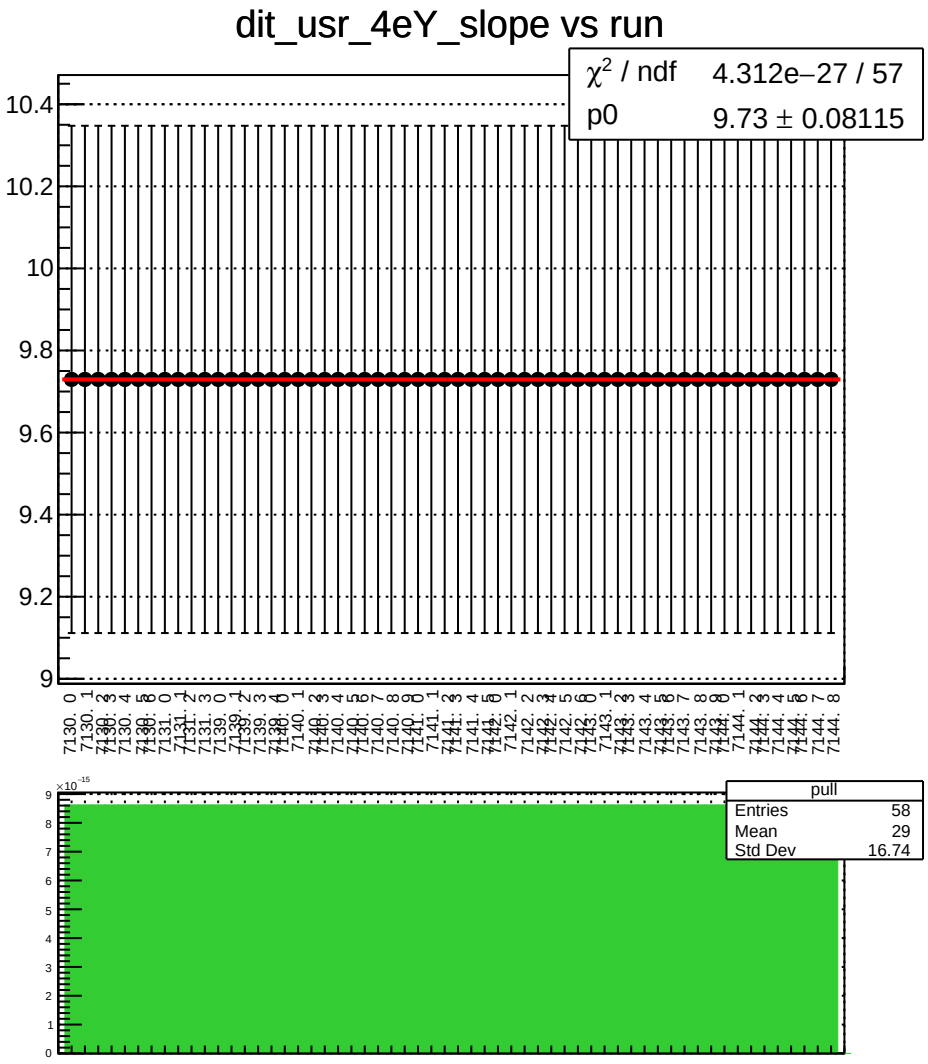

pull1D
Entries 58
Mean −8.622e−14
Std Dev2.396e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

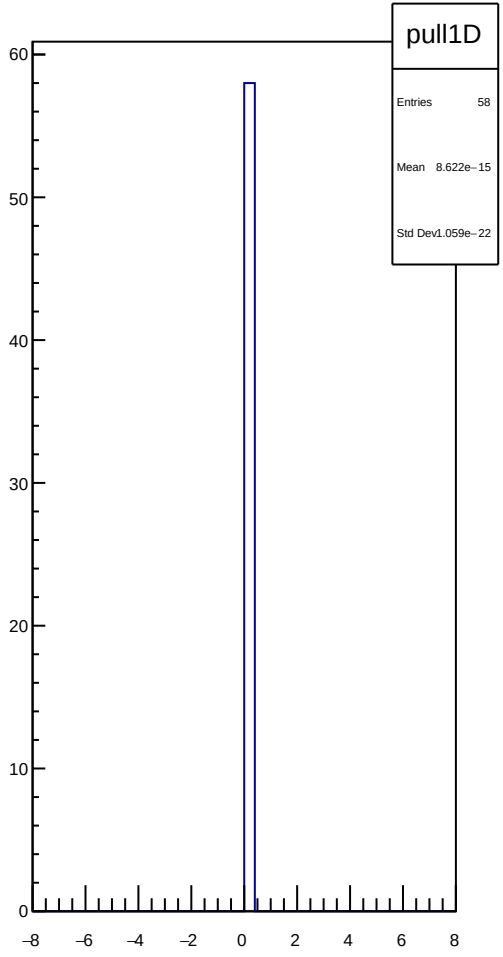

dit_usr_11X12X_slope vs run
χ^2 / ndf 0 / 57
p0 −38.05 ± 0.04194
−37.7
−37.8
−37.9
−38
−38.1
−38.2
−38.3
−38.4
pull
Entries 58
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 58
Mean 0
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

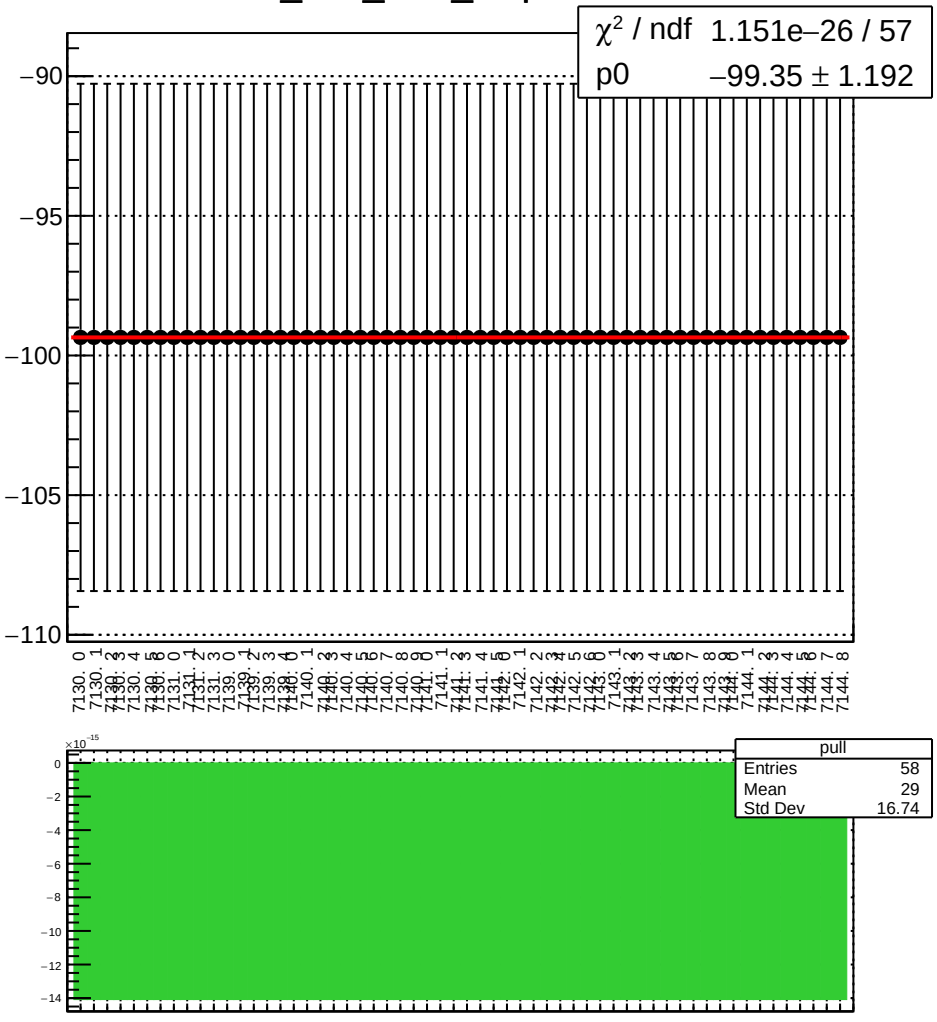

dit_usr_4aY_slope vs run
χ^2 / ndf 5.973e−27 / 57
p0 2.598 ± 0.04022
pull
Entries 58
Mean 29
Std Dev 16.74

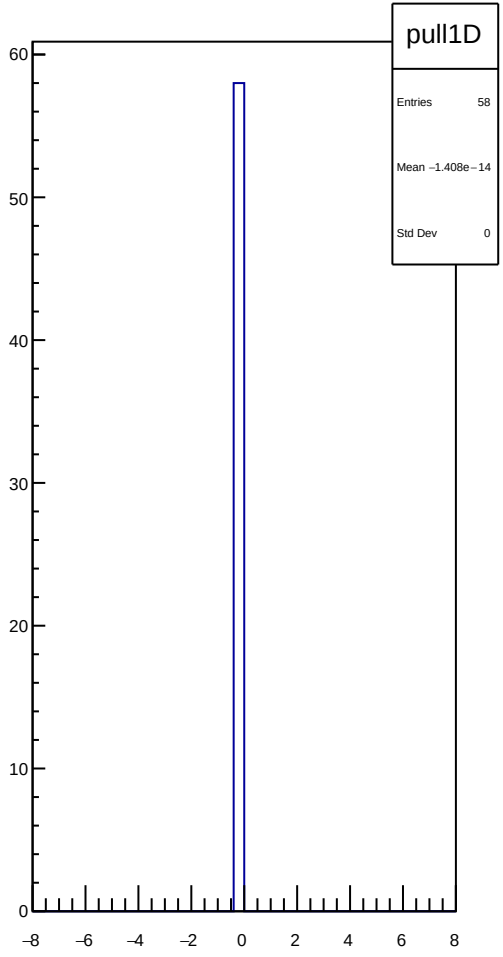

pull1D
Entries 58
Mean 1.015e−14
Std Dev 4.235e−22

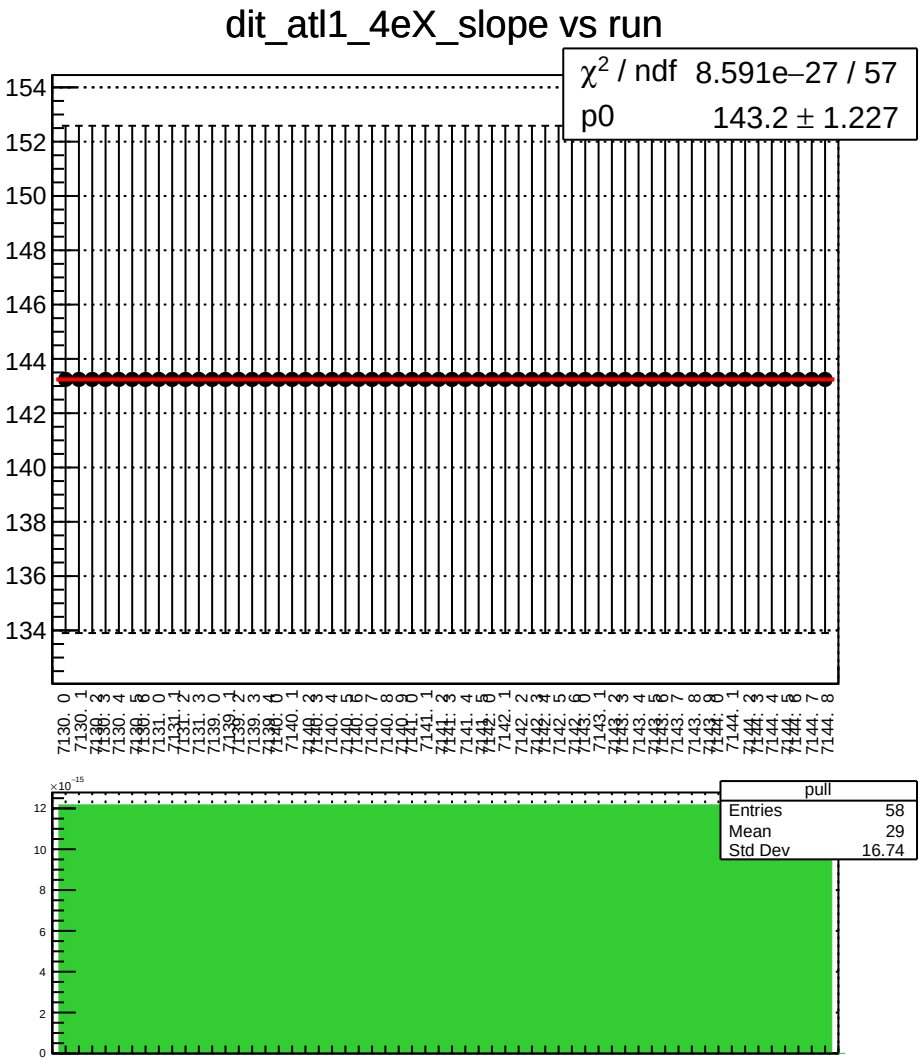

dit_usr_4eY_slope vs run
χ^2 / ndf 4.312e−27 / 57
p0 9.73 ± 0.08115
pull
Entries 58
Mean 29
Std Dev 16.74

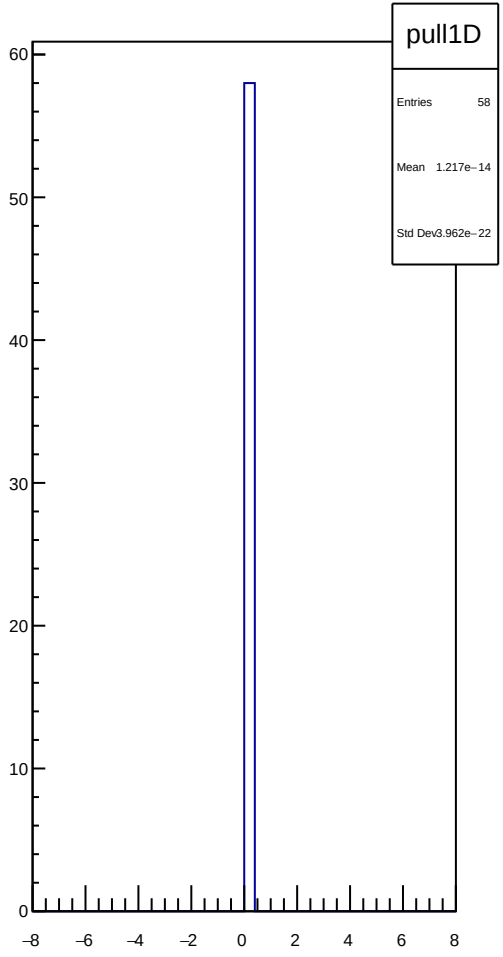

pull1D
Entries 58
Mean 8.622e−15
Std Dev 1.059e−22

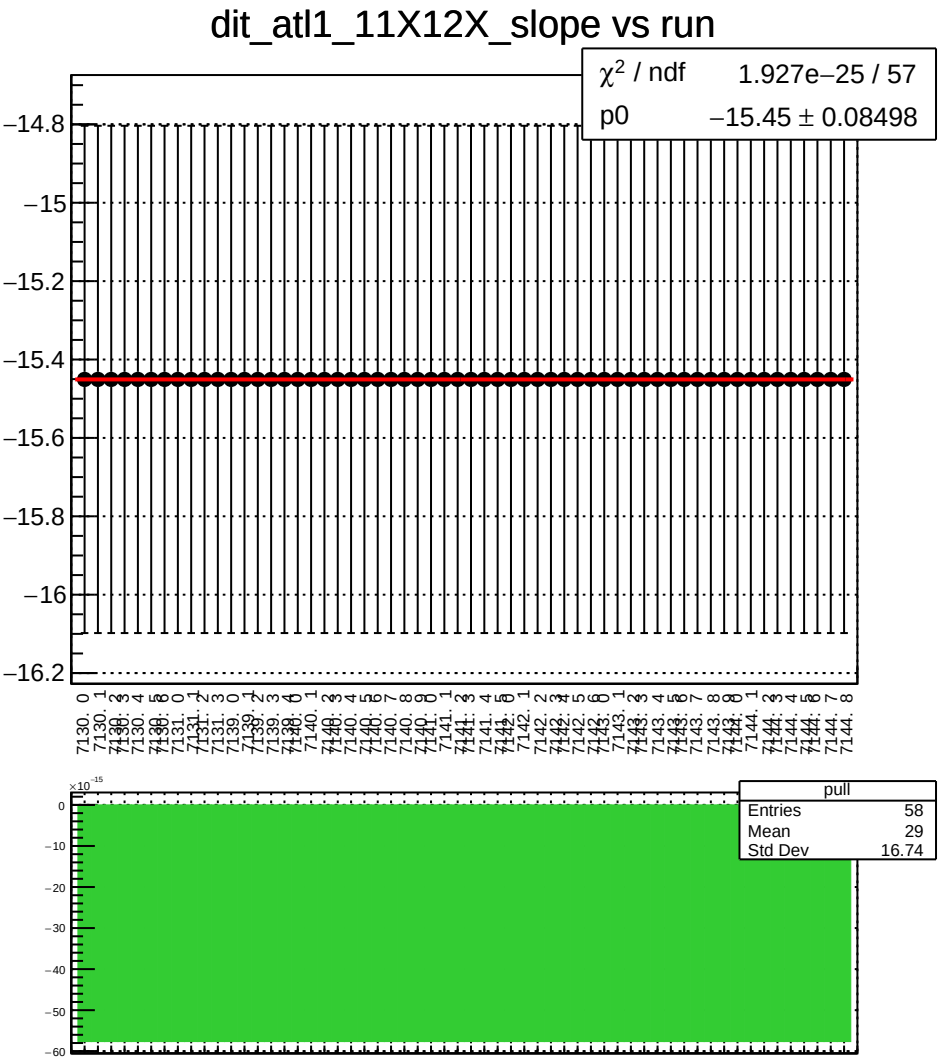
dit_atl1_4aX_slope vs run

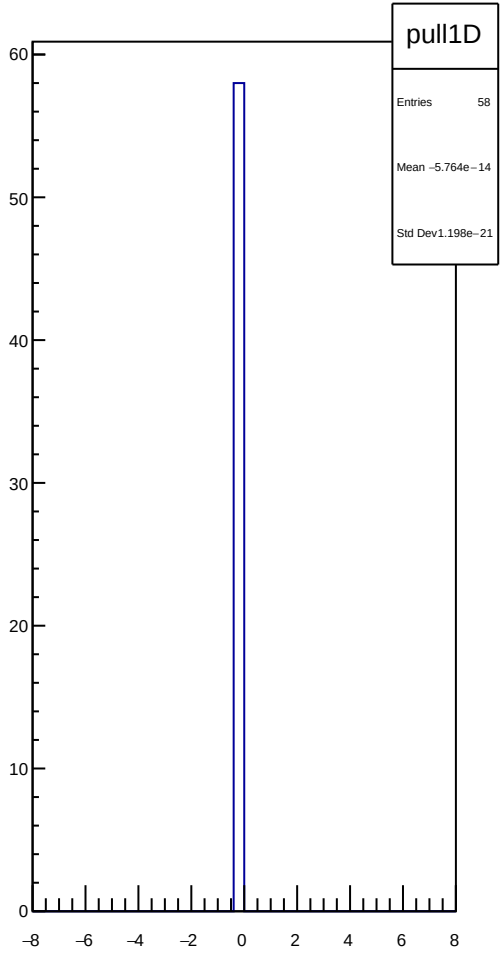


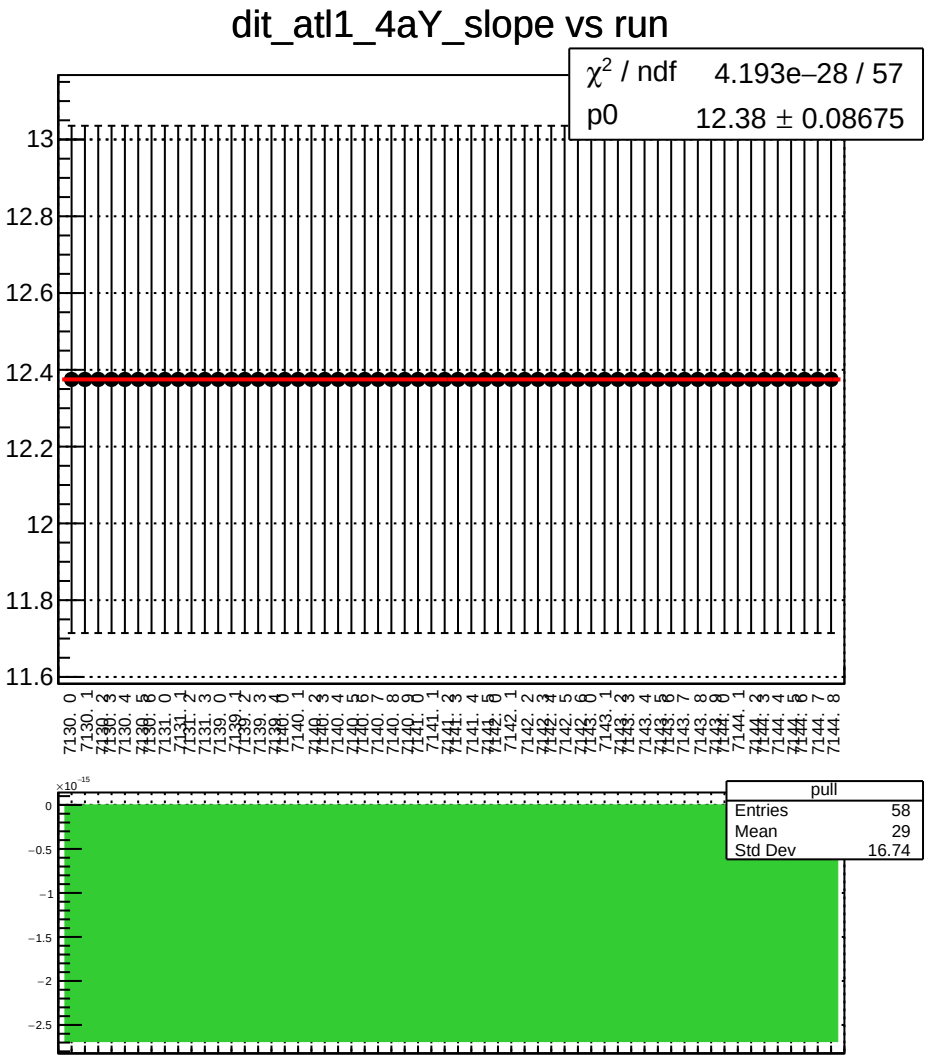


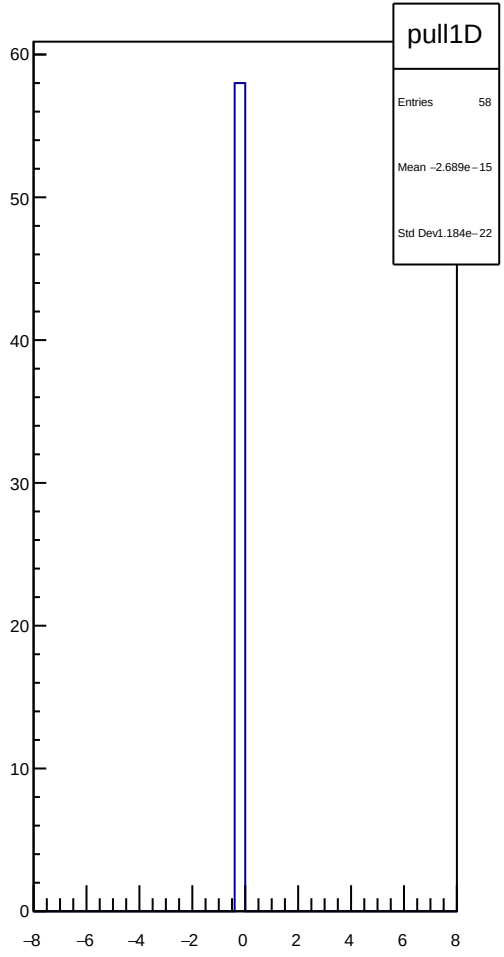

dit_atl1_4eX_slope vs run
χ^2 / ndf 8.591e−27 / 57
p0 143.2 ± 1.227
pull
Entries 58
Mean 29
Std Dev 16.74


pull1D
Entries 58
Mean 1.217e−14
Std Dev 3.962e−22

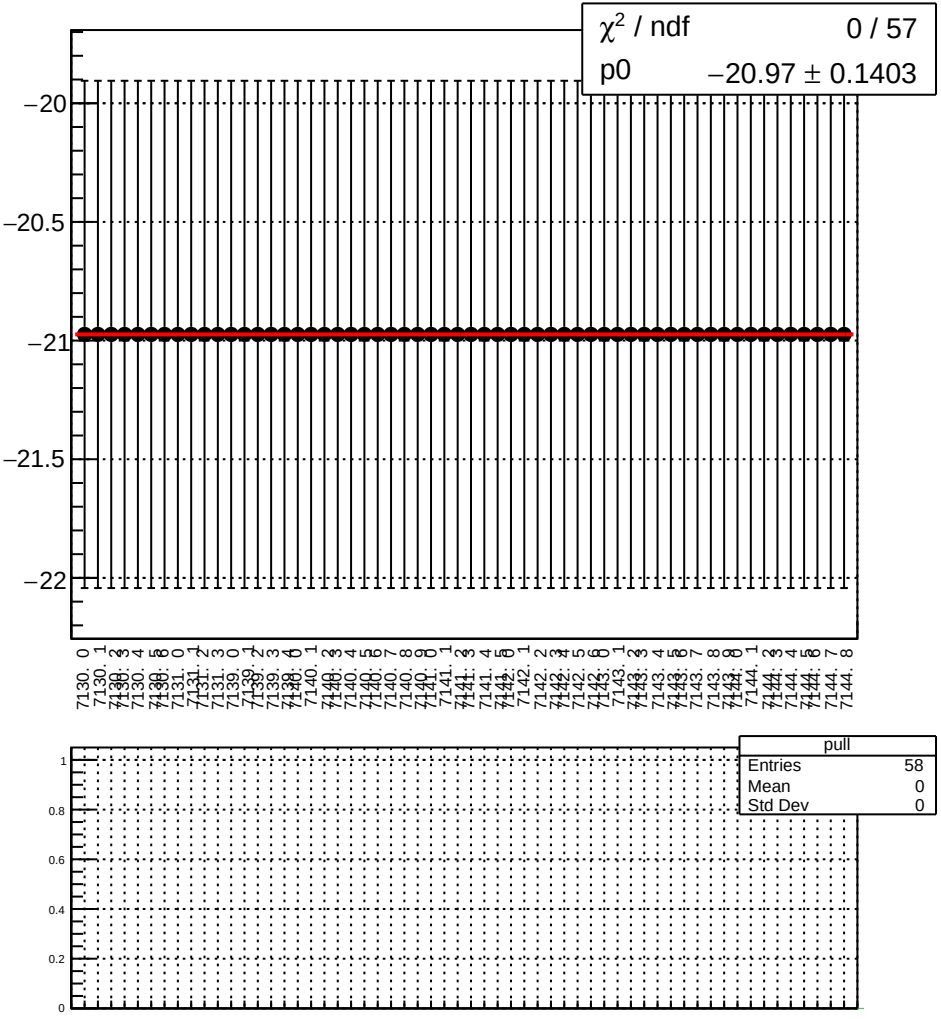

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.927e−25 / 57
p0 −15.45 ± 0.08498
−14.8
−15
−15.2
−15.4
−15.6
−15.8
−16
−16.2
pull
Entries 58
Mean 29
Std Dev 16.74
×10^−15
0
−10
−20
−30
−40
−50
−60

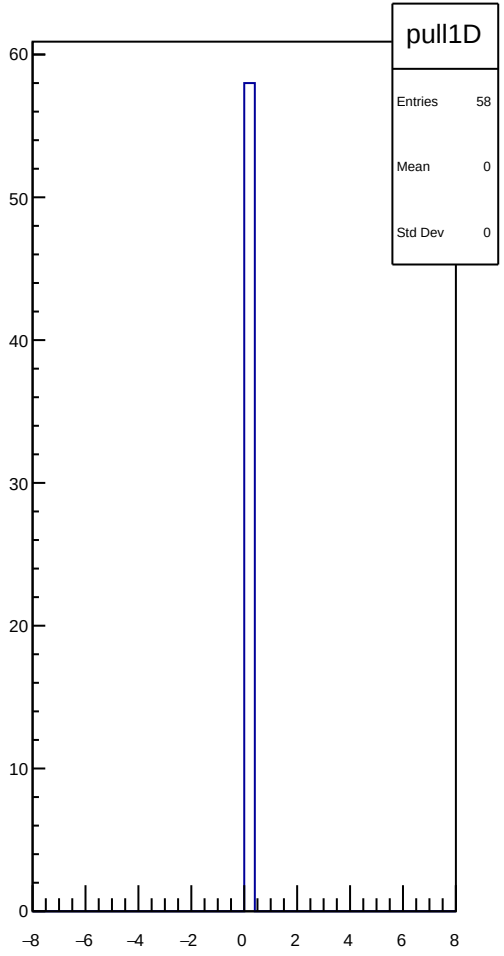

pull1D
Entries 58
Mean −5.764e−14
Std Dev 1.198e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

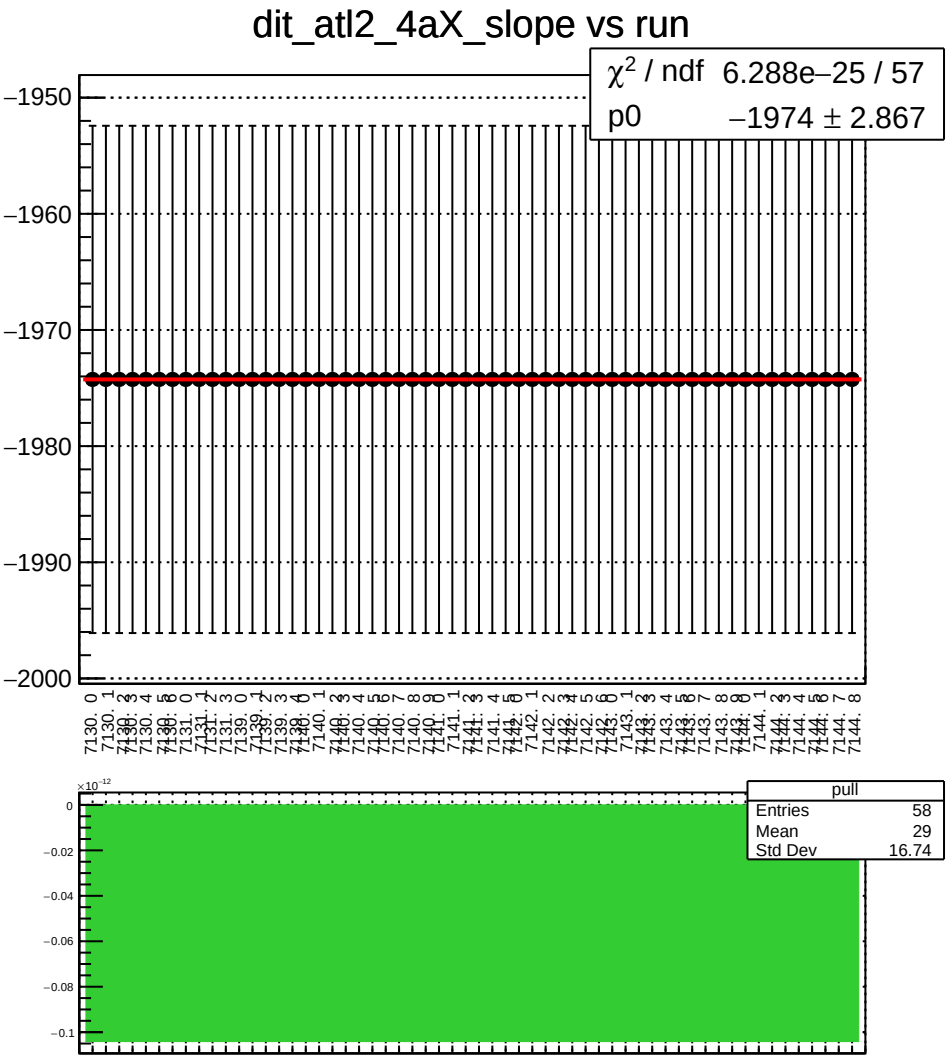

dit_atl1_4aY_slope vs run
χ^2 / ndf 4.193e−28 / 57
p0 12.38 ± 0.08675
13
12.8
12.6
12.4
12.2
12
11.8
11.6
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
0
−0.5
−1
−1.5
−2
−2.5

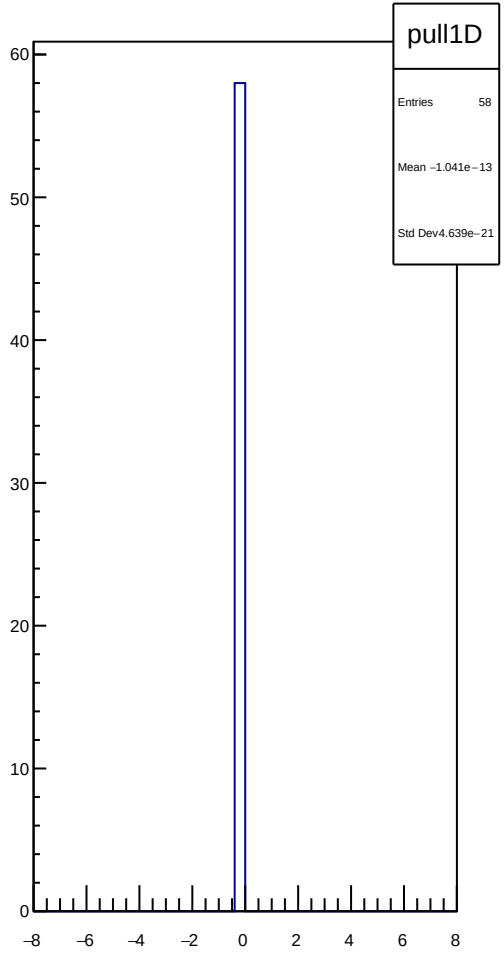

pull1D
Entries 58
Mean −2.689e−15
Std Dev 1.184e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

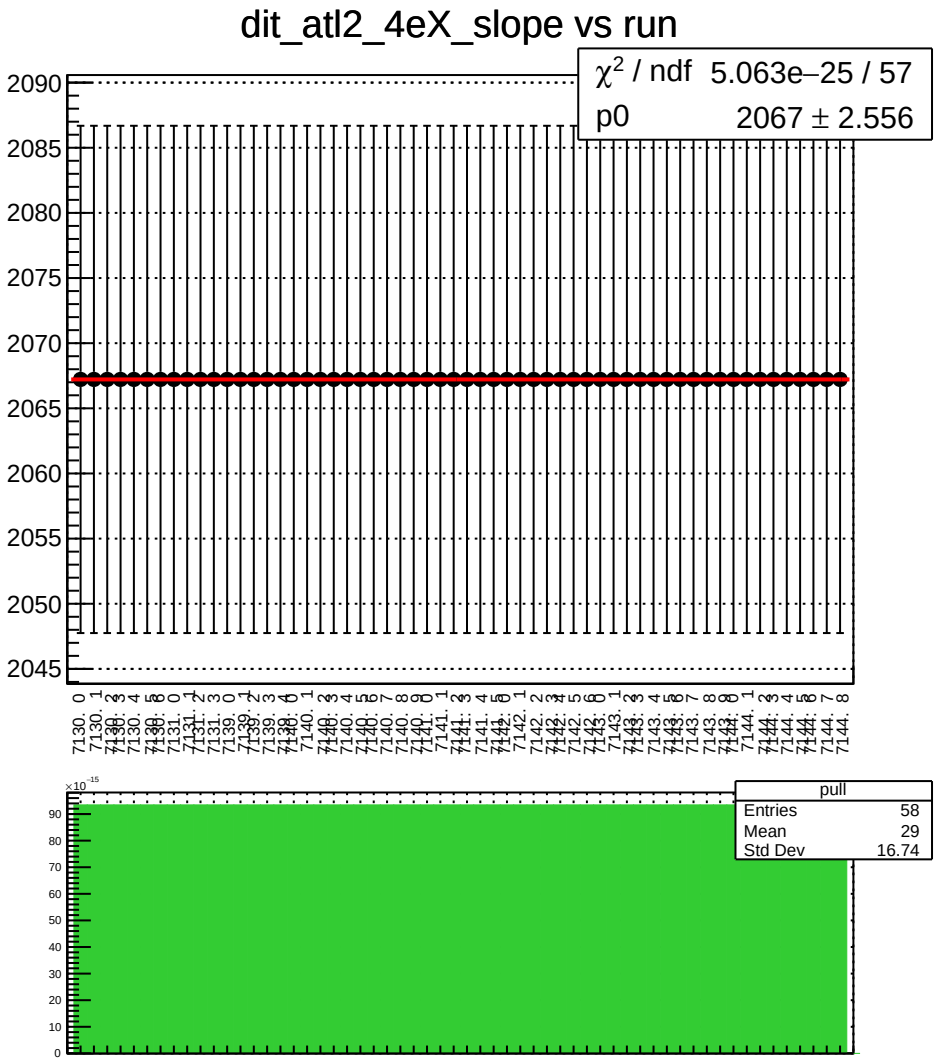
dit_atl1_4eY_slope vs run

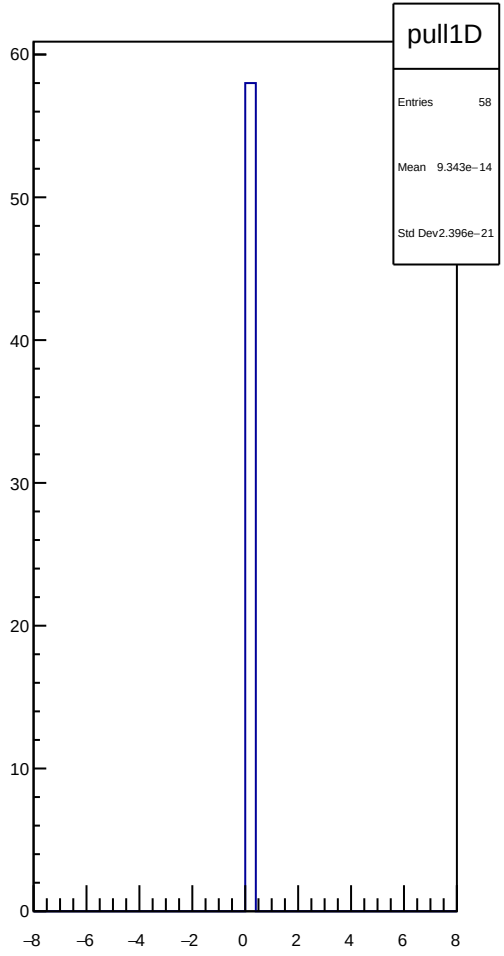




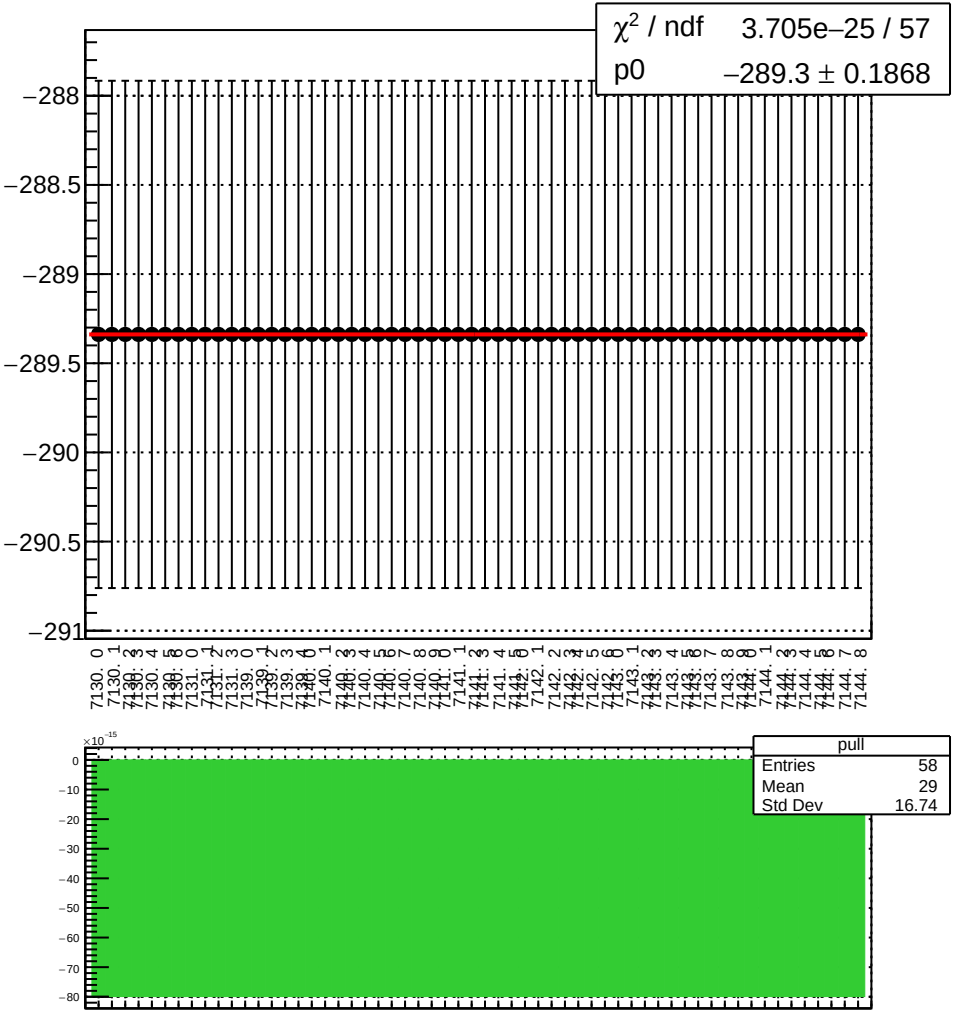

dit_atl2_4aX_slope vs run
χ^2 / ndf 6.288e−25 / 57
p0 −1974 ± 2.867
−1950
−1960
−1970
−1980
−1990
−2000
pull
Entries 58
Mean 29
Std Dev 16.74
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1

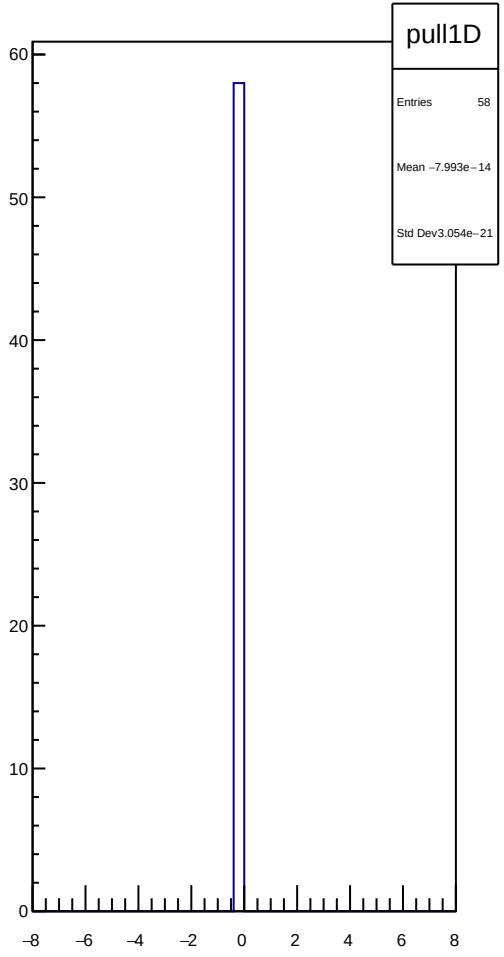

pull1D
Entries 58
Mean −1.041e−13
Std Dev4.639e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

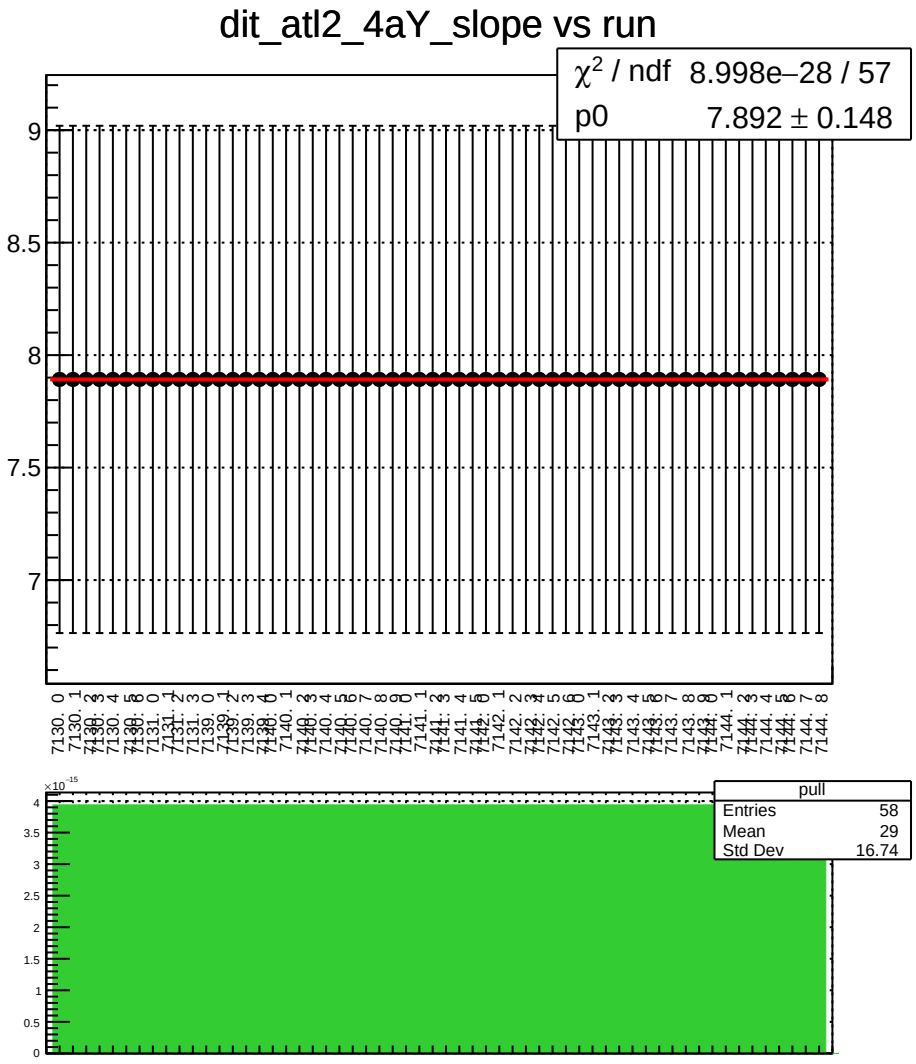

dit_atl2_4eX_slope vs run
χ^2 / ndf 5.063e−25 / 57
p0 2067 ± 2.556
2090
2085
2080
2075
2070
2065
2060
2055
2050
2045
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
90
80
70
60
50
40
30
20
10
0

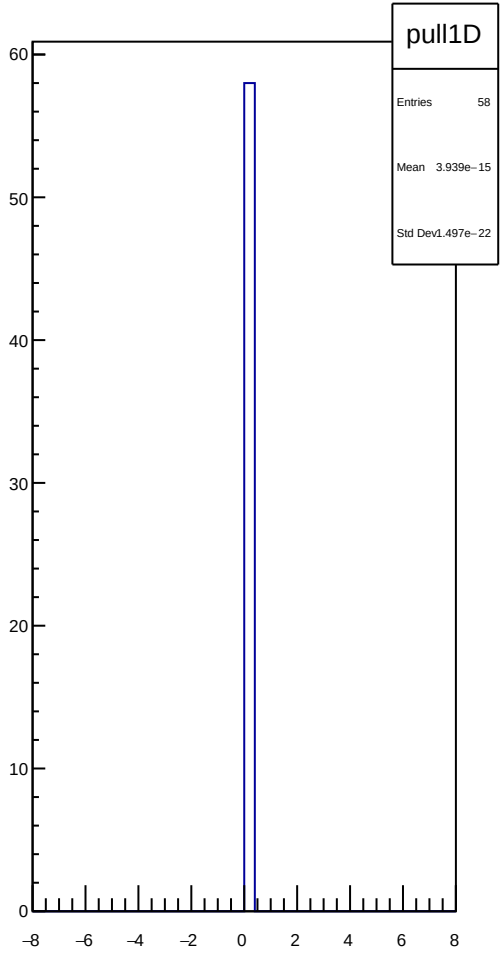

pull1D
Entries 58
Mean 9.343e−14
Std Dev 2.396e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

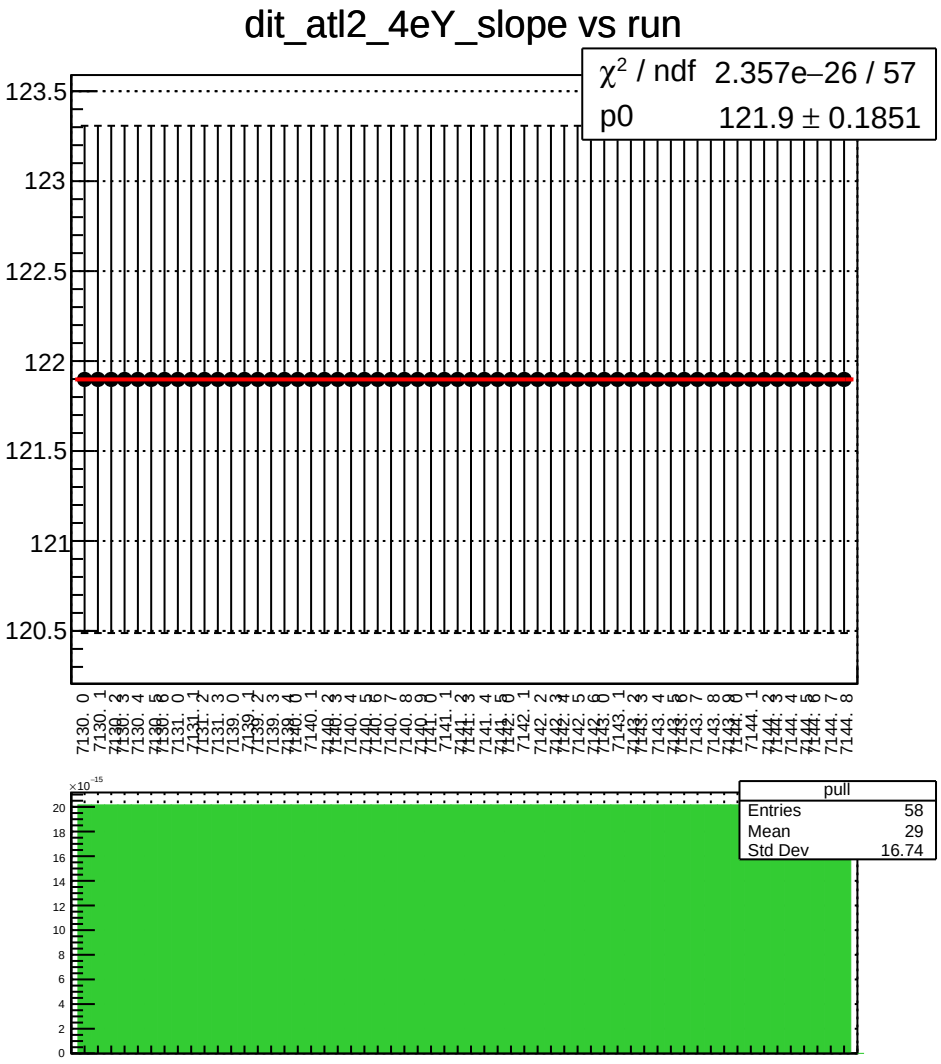
dit_atl2_11X12X_slope vs run

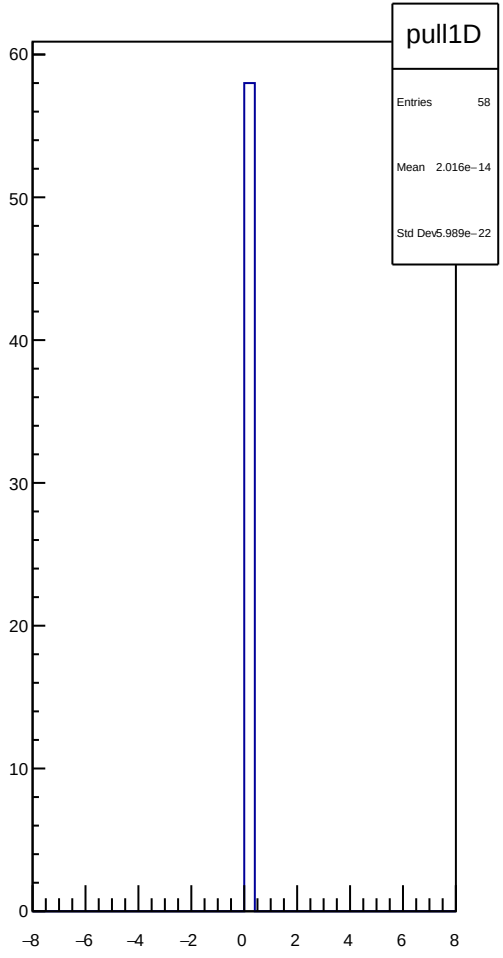




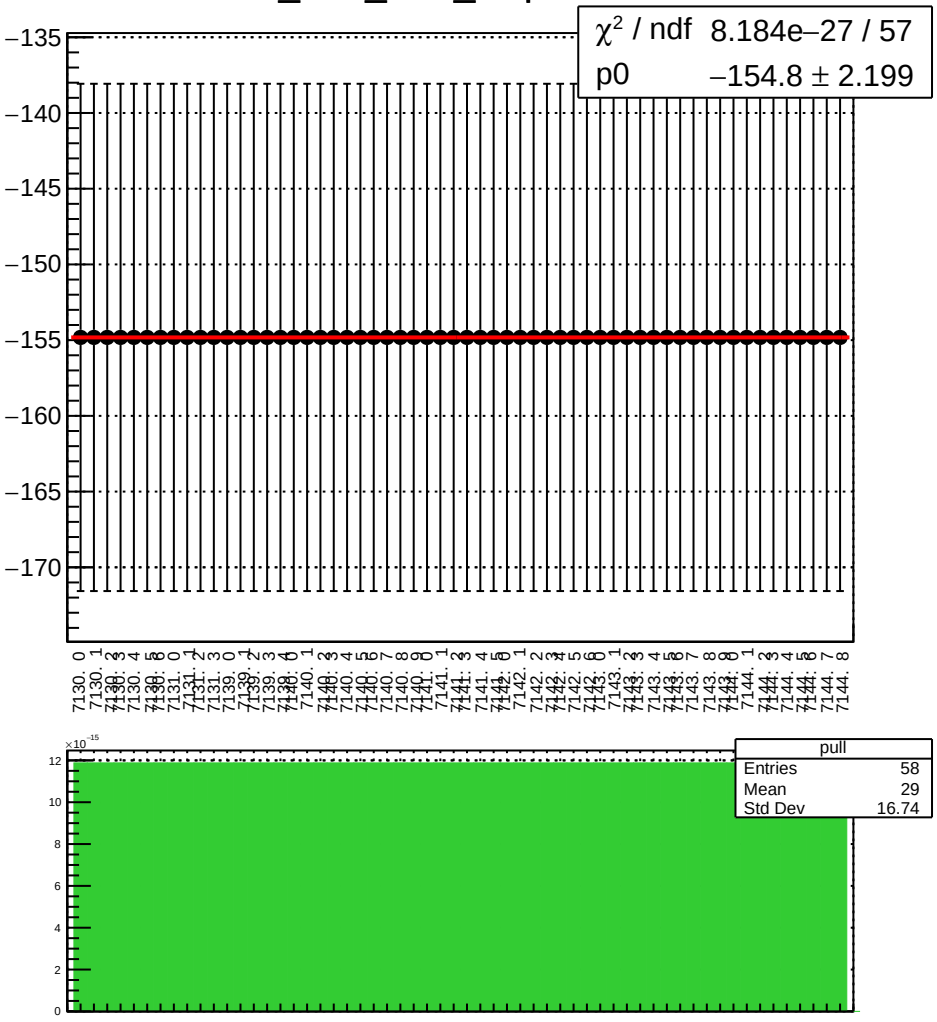

dit_atl2_4aY_slope vs run
χ^2 / ndf 8.998e−28 / 57
p0 7.892 ± 0.148
pull
Entries 58
Mean 29
Std Dev 16.74

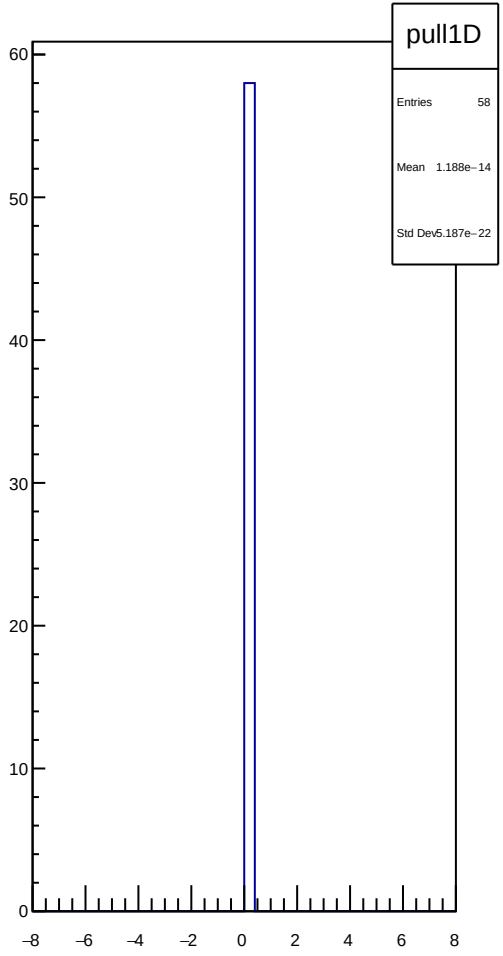

pull1D
Entries 58
Mean 3.939e−15
Std Dev 1.497e−22

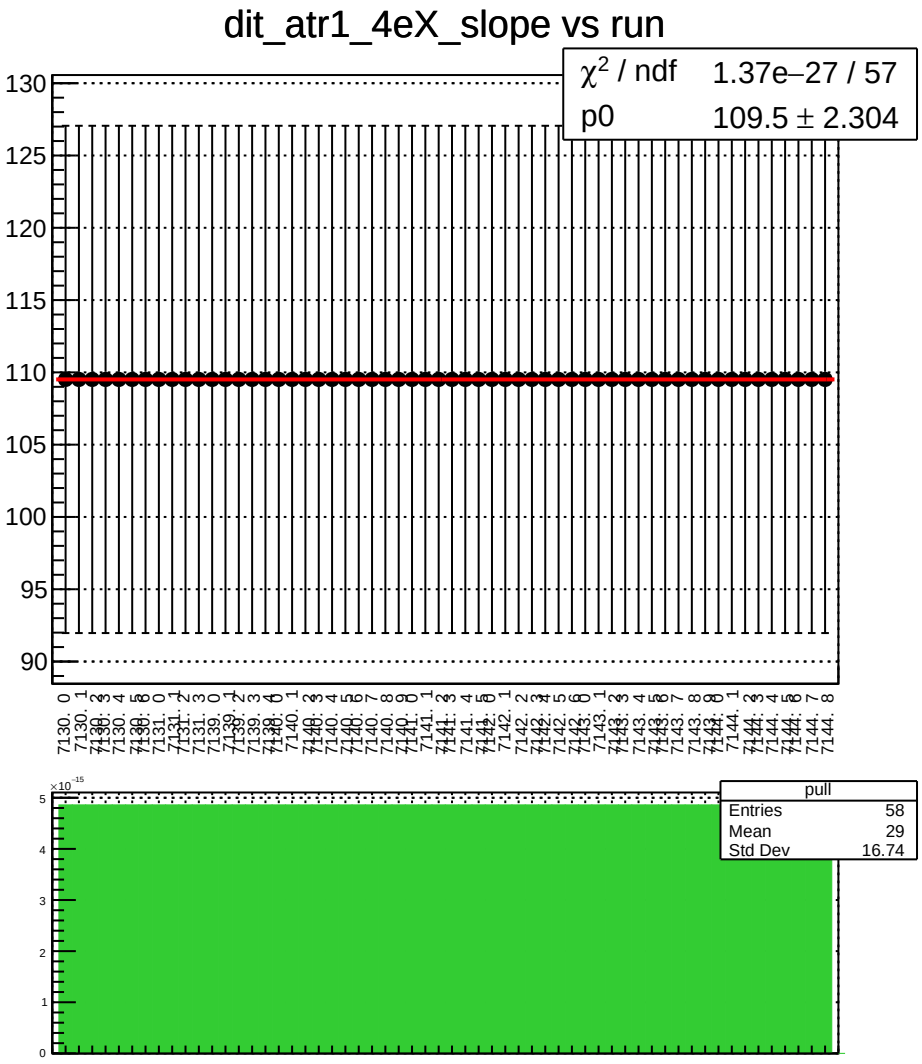

dit_atl2_4eY_slope vs run
χ² / ndf 2.357e−26 / 57
p0 121.9 ± 0.1851
123.5
123
122.5
122
121.5
121
120.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

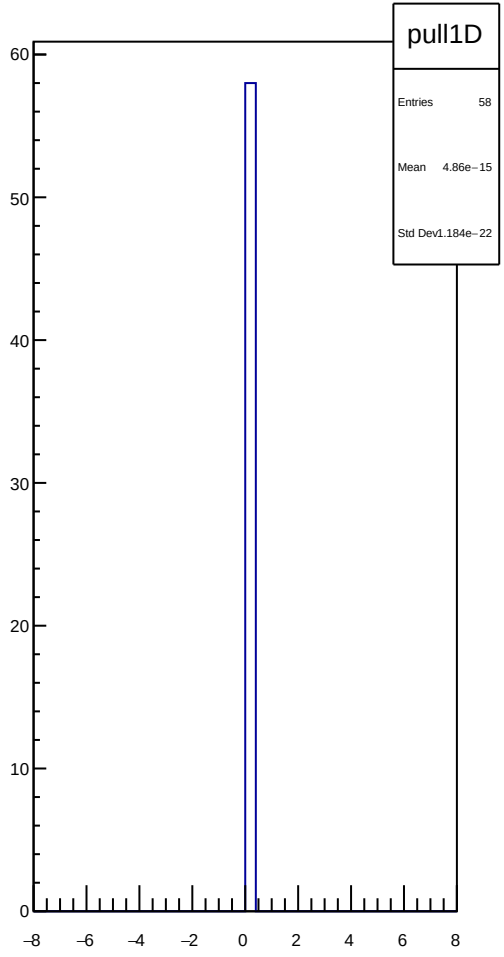

pull1D
Entries 58
Mean 2.016e−14
Std Dev 5.989e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

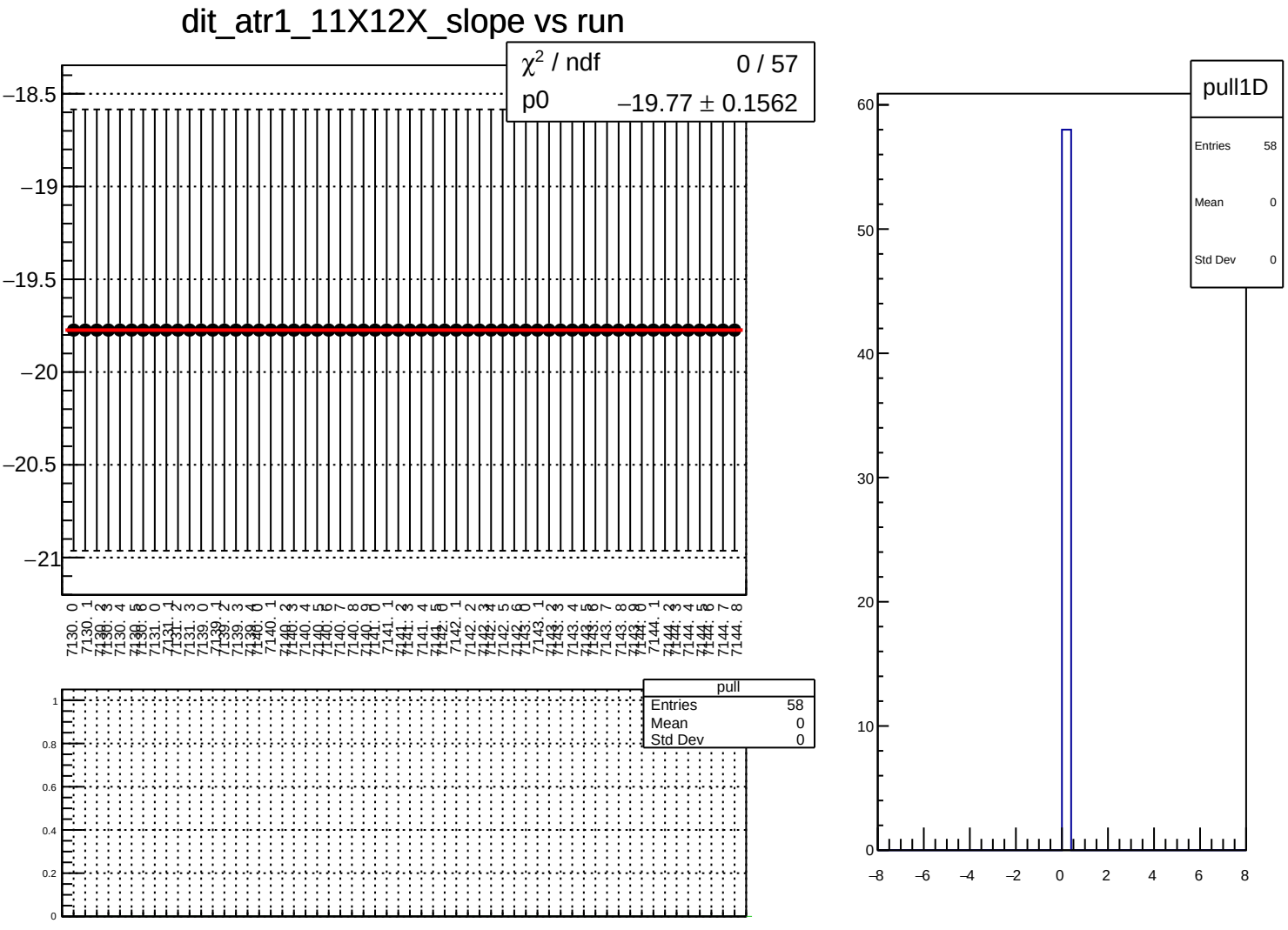
dit_atr1_4aX_slope vs run

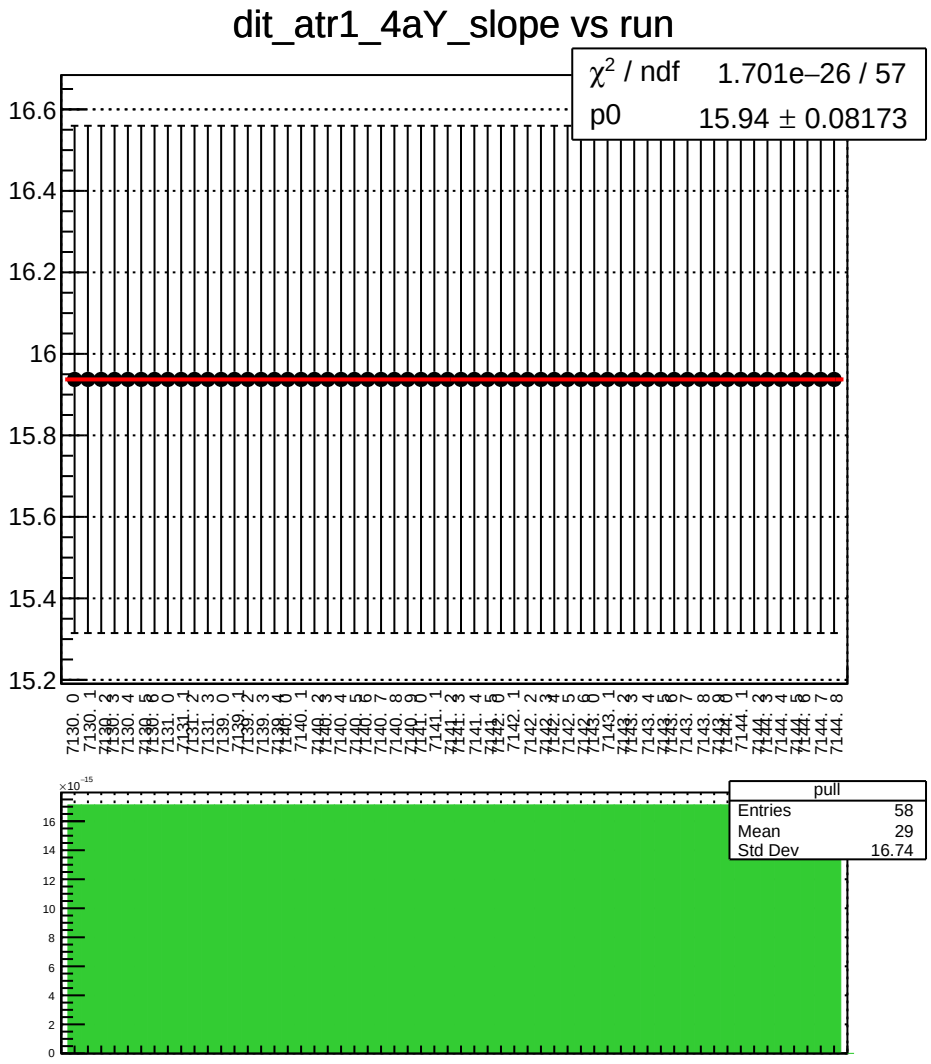


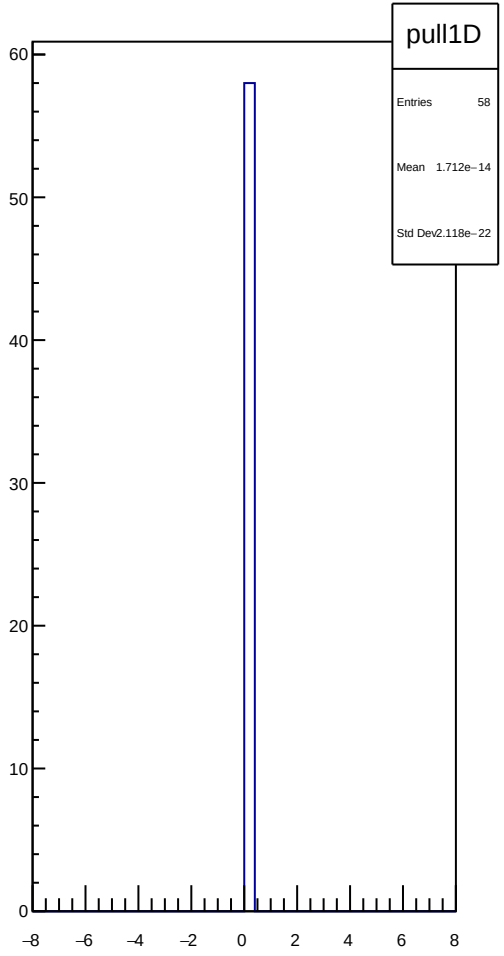


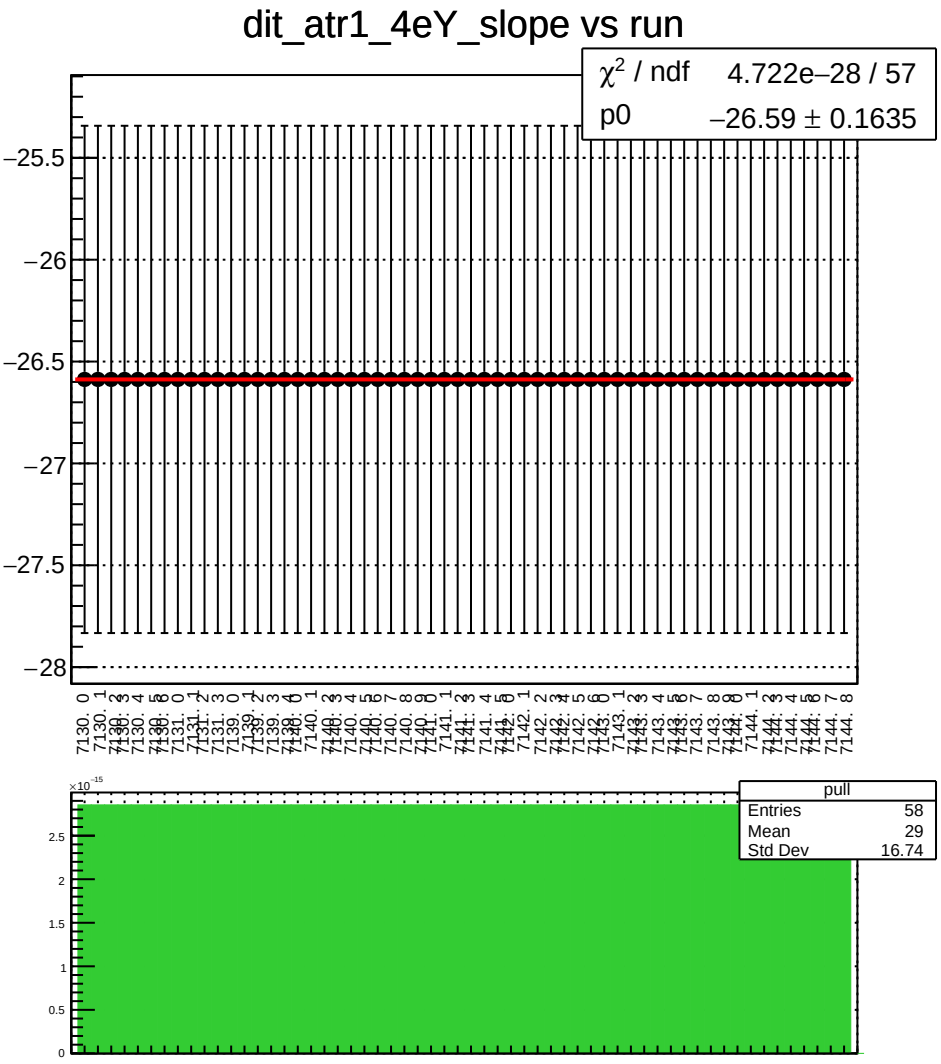

dit_atr1_4eX_slope vs run
χ^2 / ndf 1.37e−27 / 57
p0 109.5 ± 2.304
pull
Entries 58
Mean 29
Std Dev 16.74

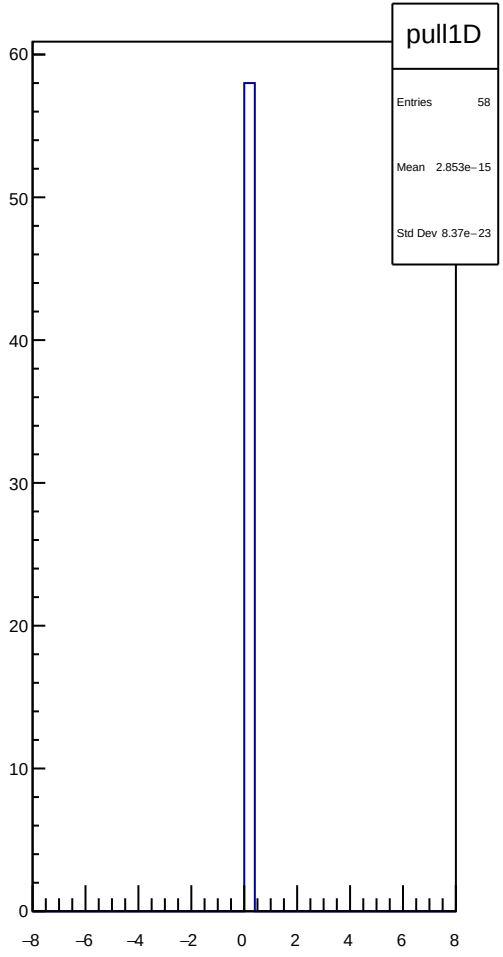

pull1D
Entries 58
Mean 4.86e−15
Std Dev 1.184e−22

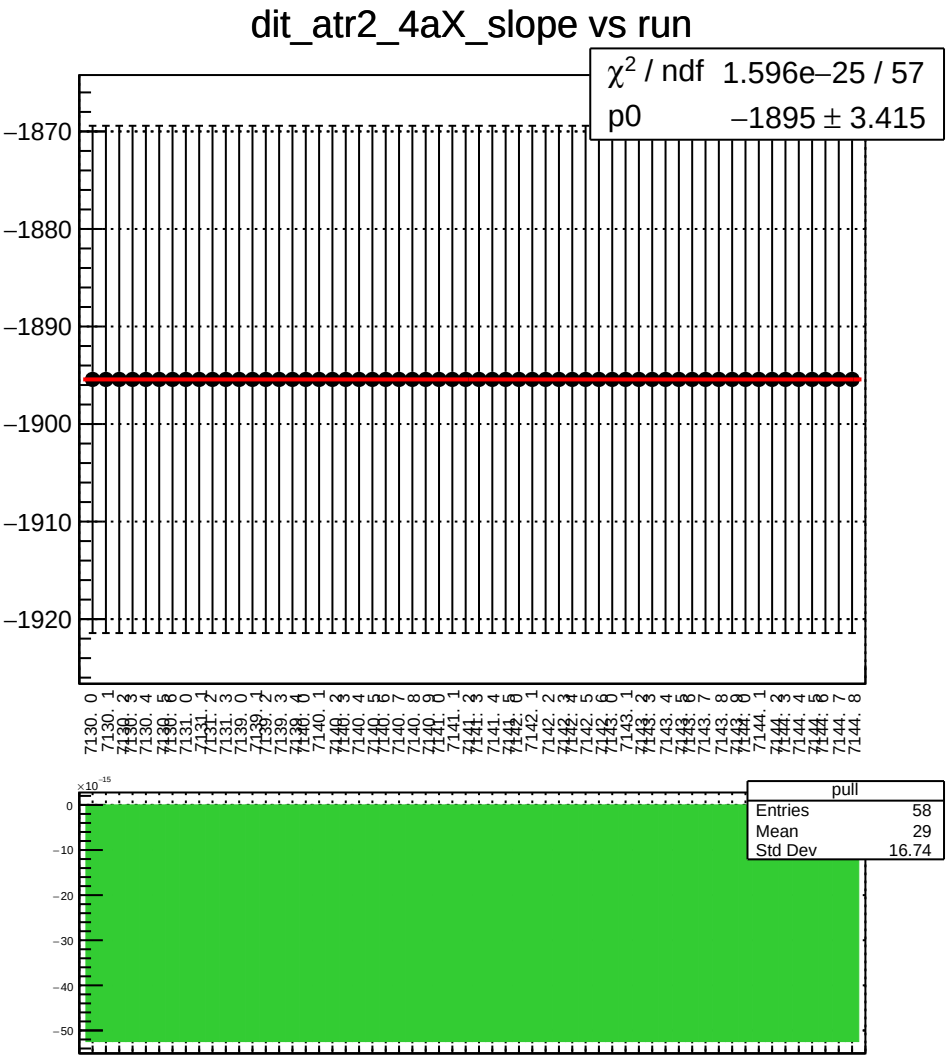

dit_atr1_11X12X_slope vs run
χ^2 / ndf 0 / 57
p0 −19.77 ± 0.1562
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 58
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 58
Mean 0
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

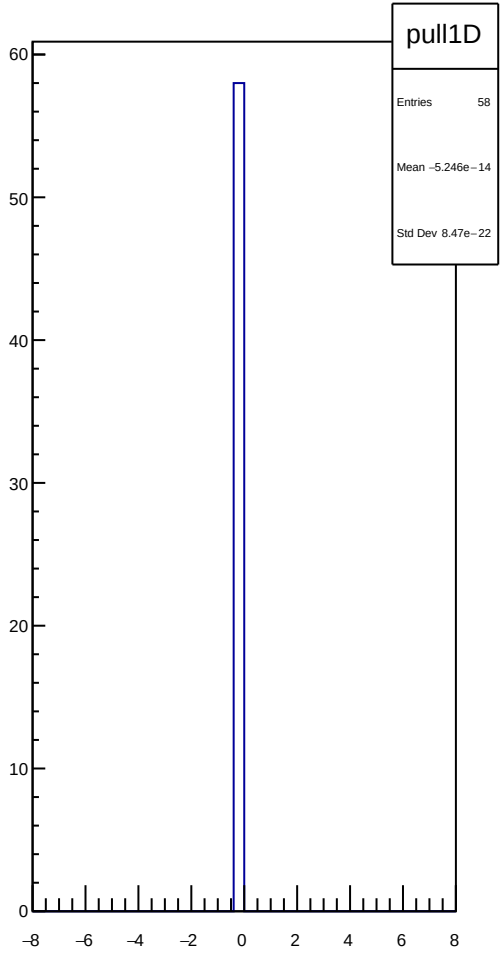

dit_atr1_4aY_slope vs run
χ^2 / ndf 1.701e−26 / 57
p0 15.94 ± 0.08173
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
16
14
12
10
8
6
4
2
0


pull1D
Entries 58
Mean 1.712e−14
Std Dev 2.118e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

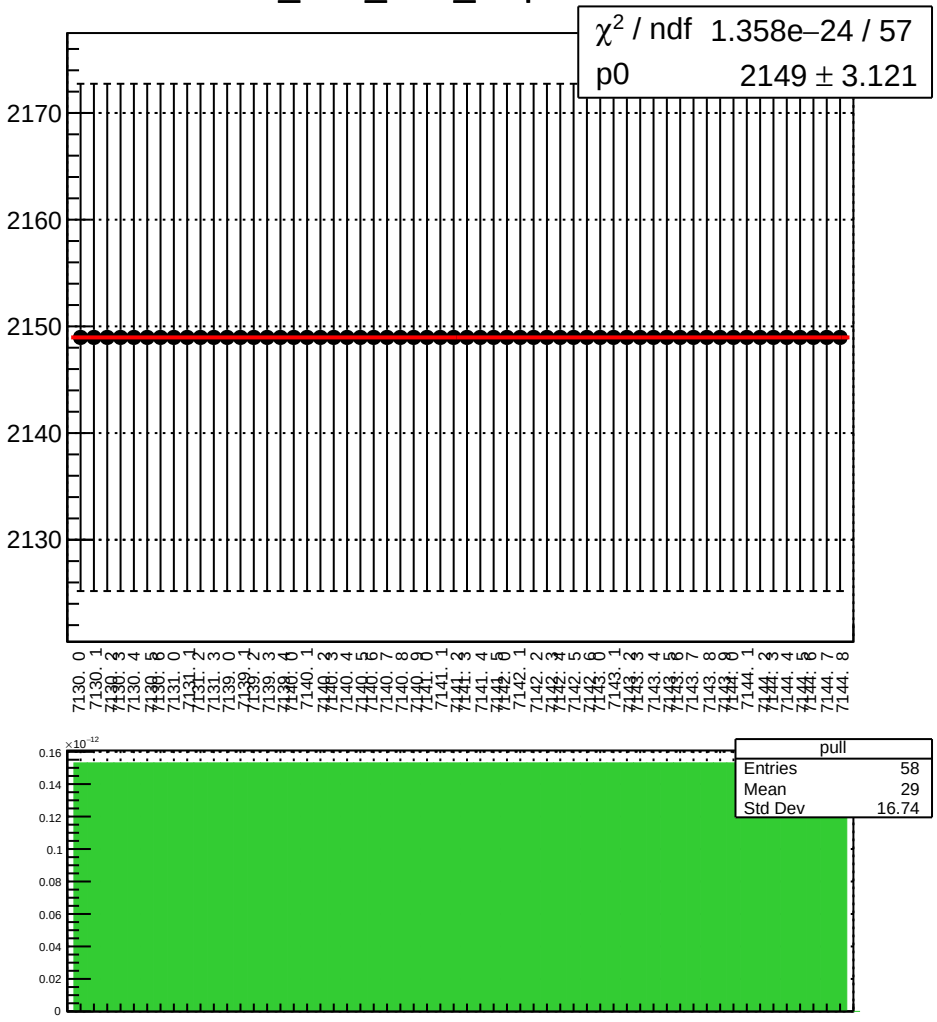

dit_atr1_4eY_slope vs run
χ^2 / ndf 4.722e−28 / 57
p0 −26.59 ± 0.1635
−25.5
−26
−26.5
−27
−27.5
−28
pull
Entries 58
Mean 29
Std Dev 16.74
×10^−15
2.5
2
1.5
1
0.5
0

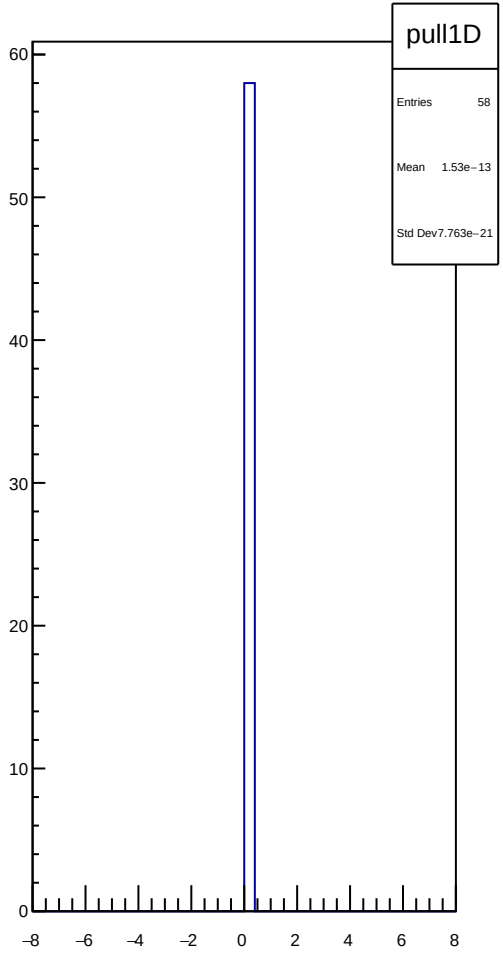

pull1D
Entries 58
Mean 2.853e−15
Std Dev 8.37e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

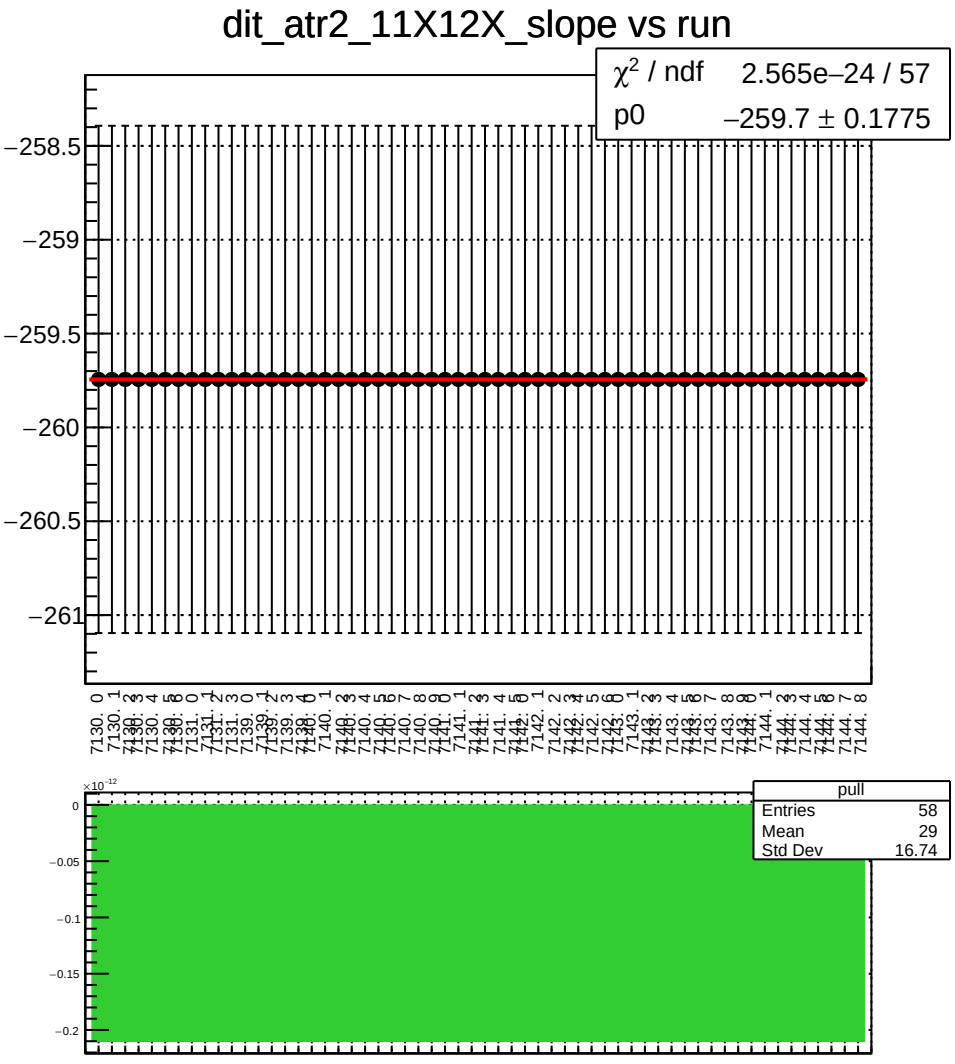

dit_atr2_4aX_slope vs run
χ^2 / ndf 1.596e−25 / 57
p0 −1895 ± 3.415
−1870
−1880
−1890
−1900
−1910
−1920
pull
Entries 58
Mean 29
Std Dev 16.74
×10^−15
0
−10
−20
−30
−40
−50

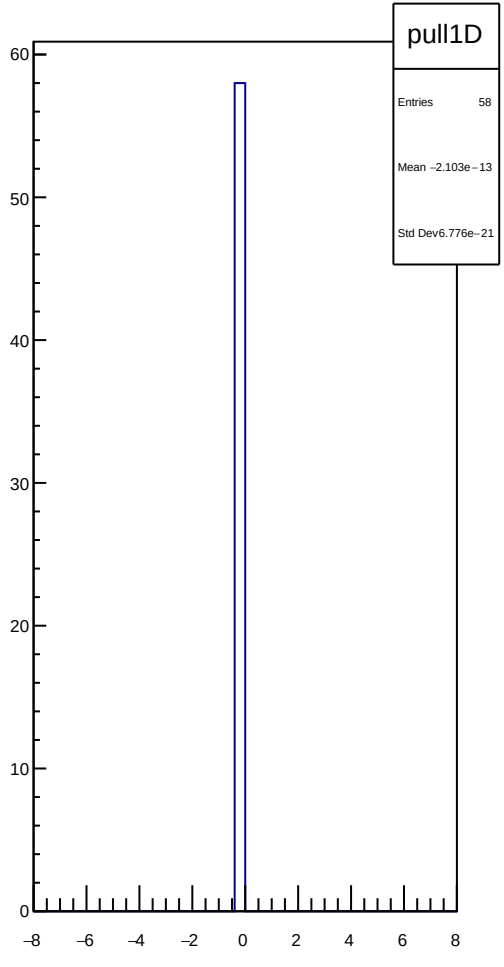

pull1D
Entries 58
Mean −5.246e−14
Std Dev 8.47e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

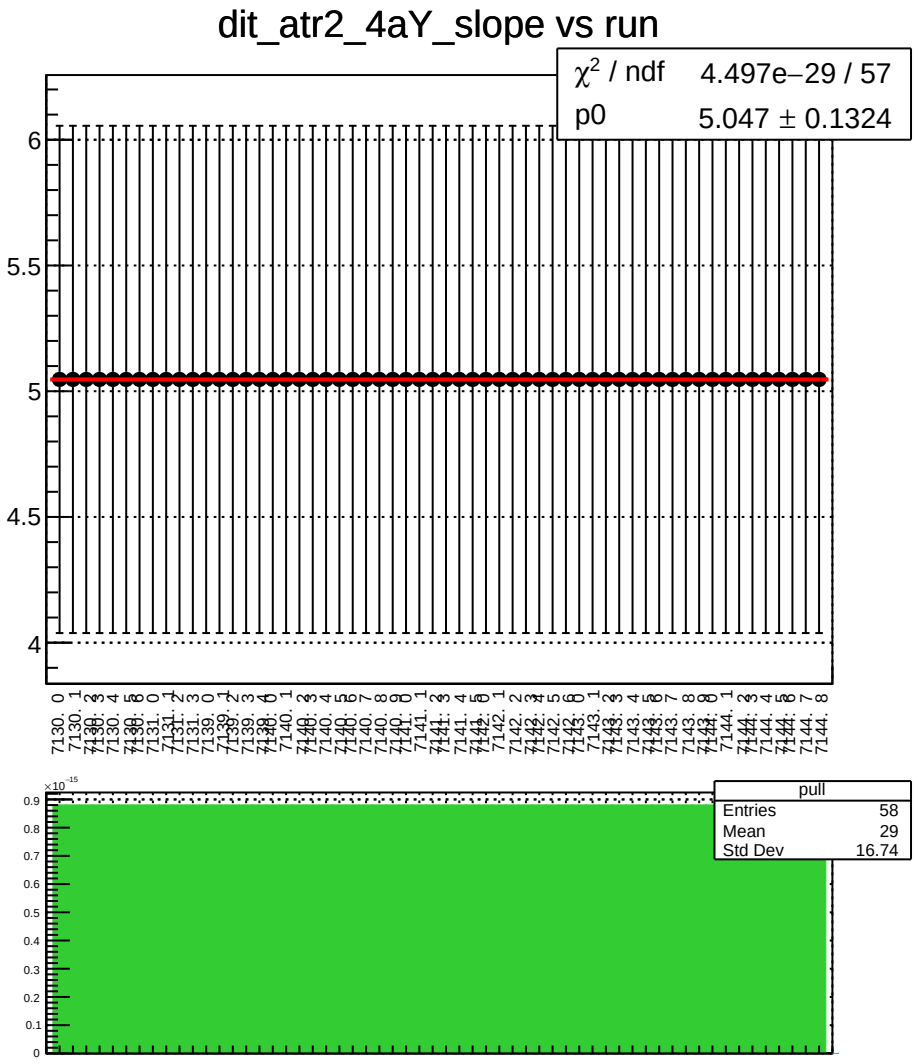
dit_atr2_4eX_slope vs run

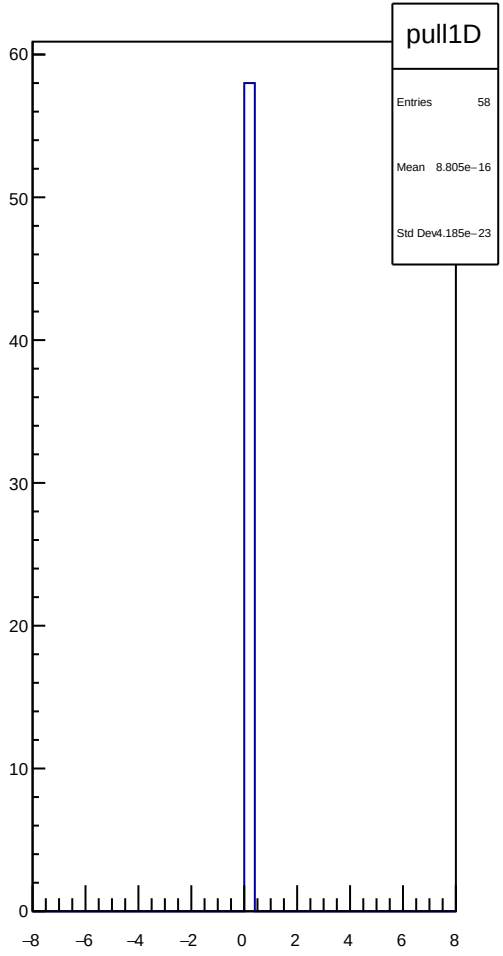


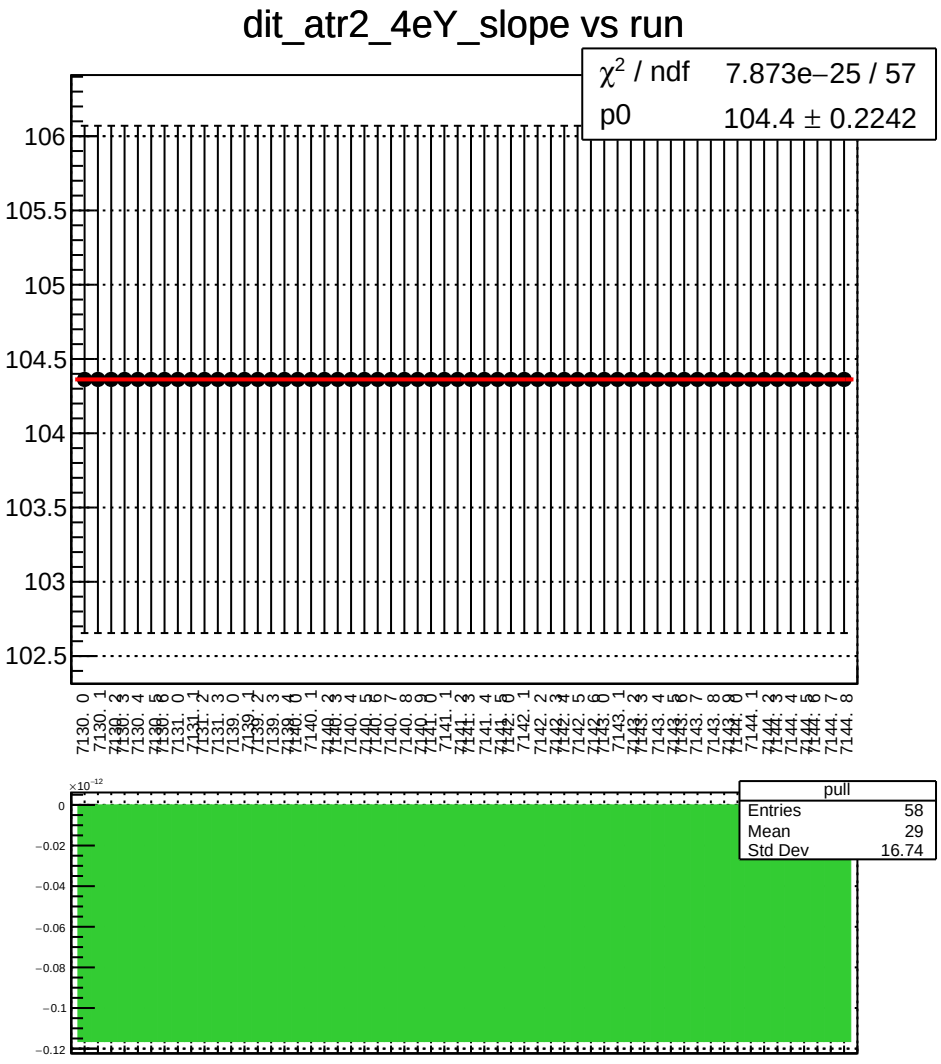


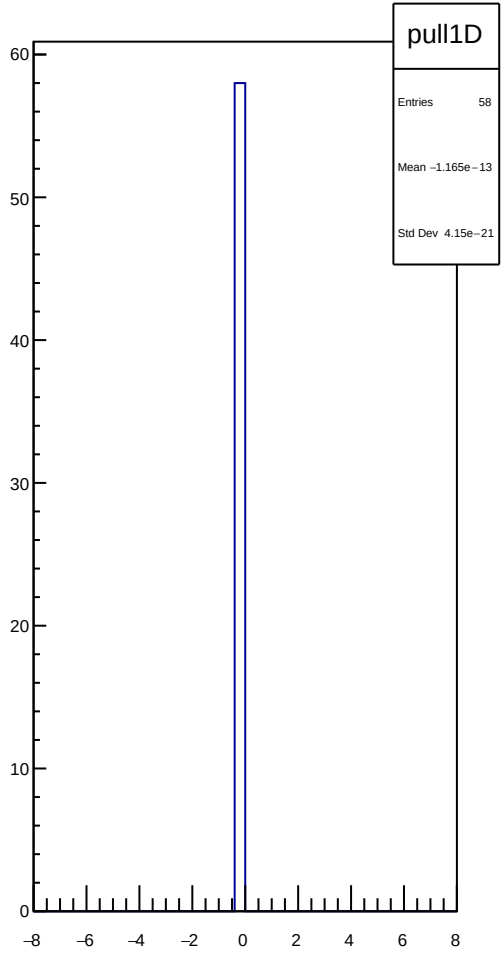

dit_atr2_11X12X_slope vs run
χ² / ndf 2.565e−24 / 57
p0 −259.7 ± 0.1775
−258.5
−259
−259.5
−260
−260.5
−261
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2


pull1D
Entries 58
Mean −2.103e−13
Std Dev 6.776e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

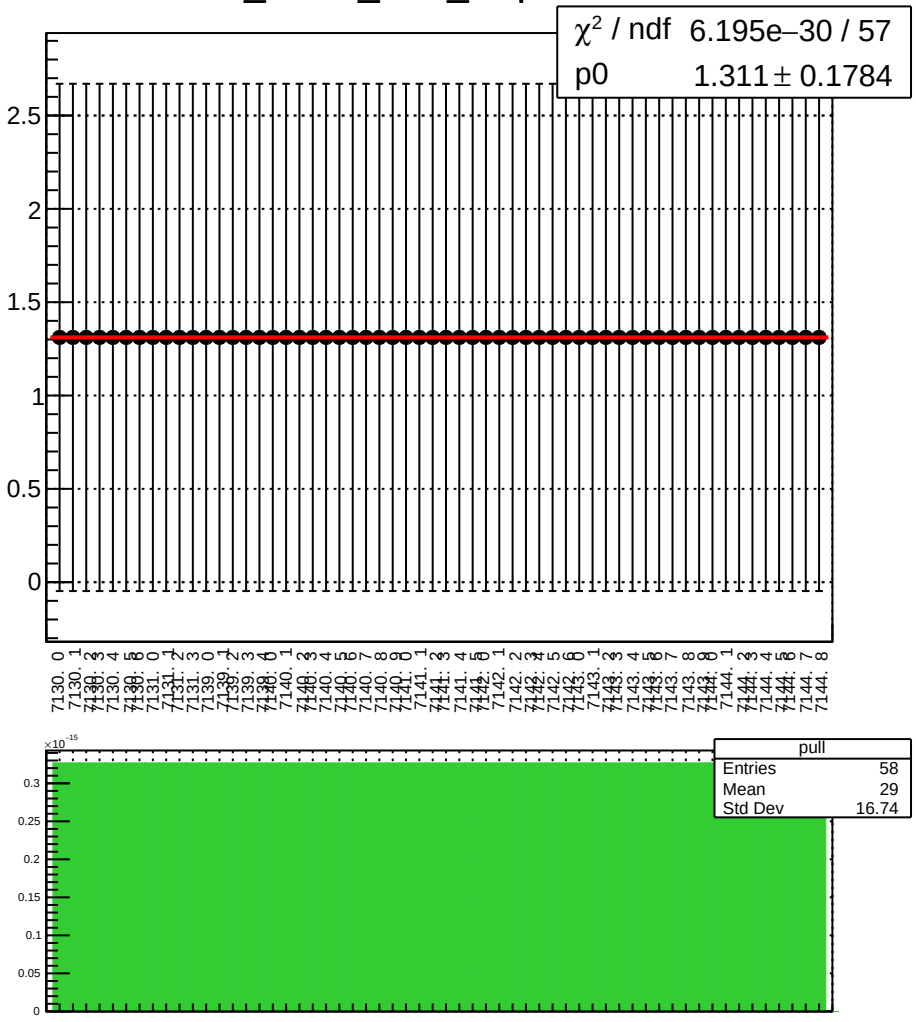

dit_atr2_4aY_slope vs run
χ^2 / ndf 4.497e−29 / 57
p0 5.047 ± 0.1324
pull
Entries 58
Mean 29
Std Dev 16.74

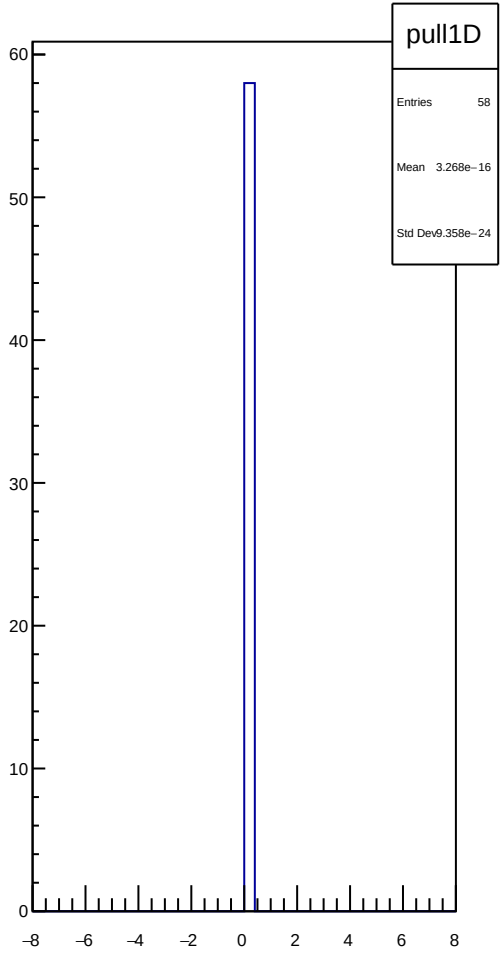

pull1D
Entries 58
Mean 8.805e−16
Std Dev 4.185e−23


dit_atr2_4eY_slope vs run
χ^2 / ndf 7.873e−25 / 57
p0 104.4 ± 0.2242
106
105.5
105
104.5
104
103.5
103
102.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

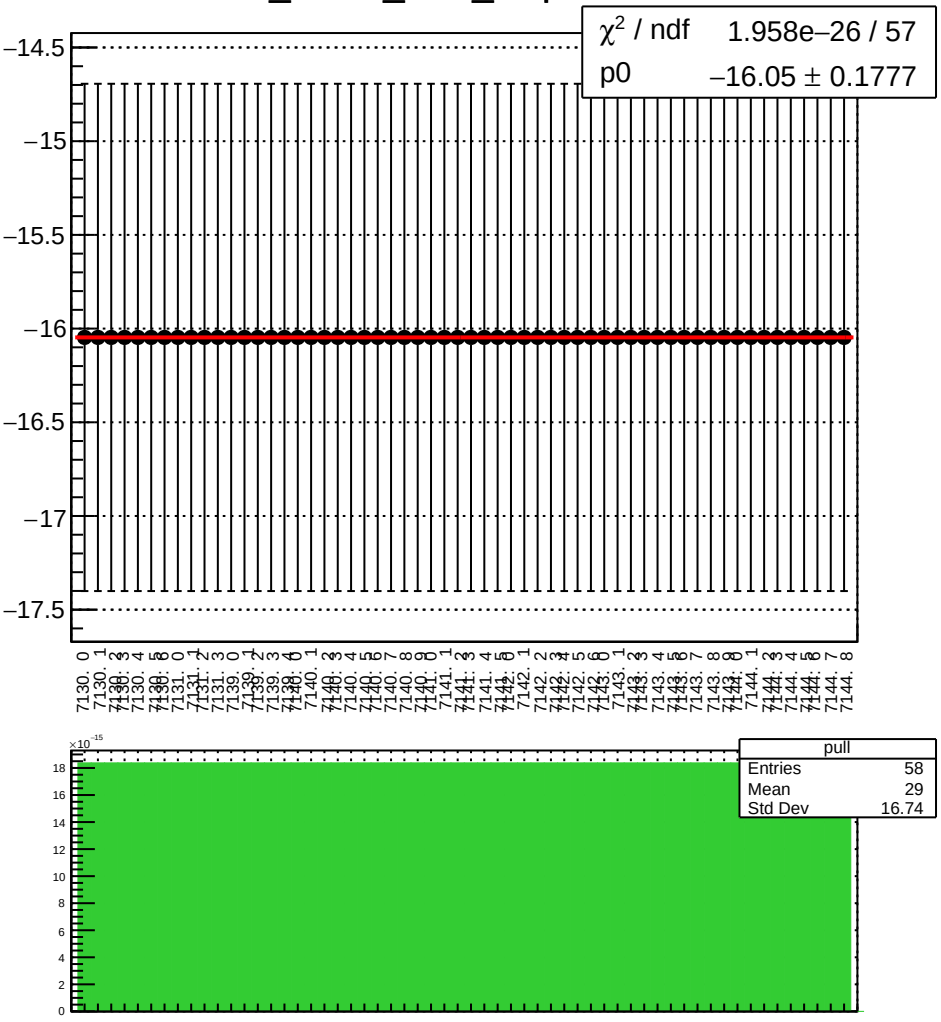

pull1D
Entries 58
Mean −1.165e−13
Std Dev 4.15e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

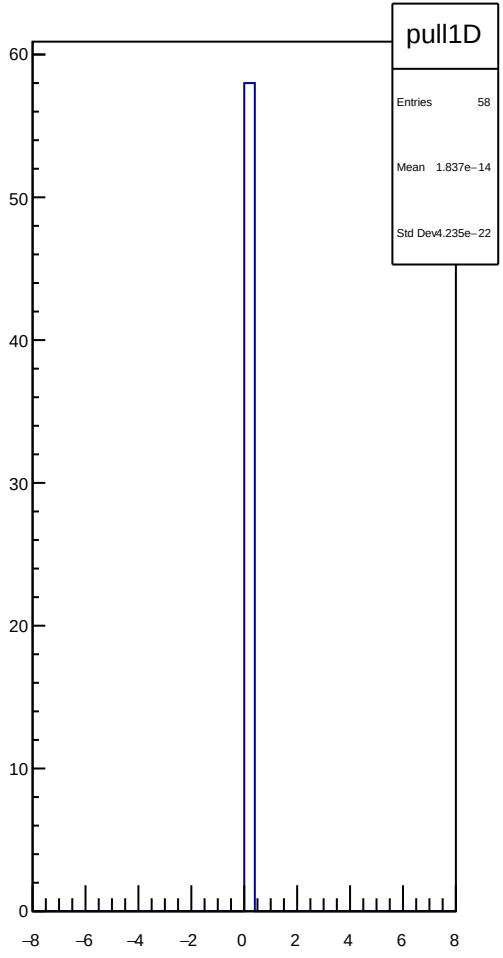
dit_sam1_4aX_slope vs run



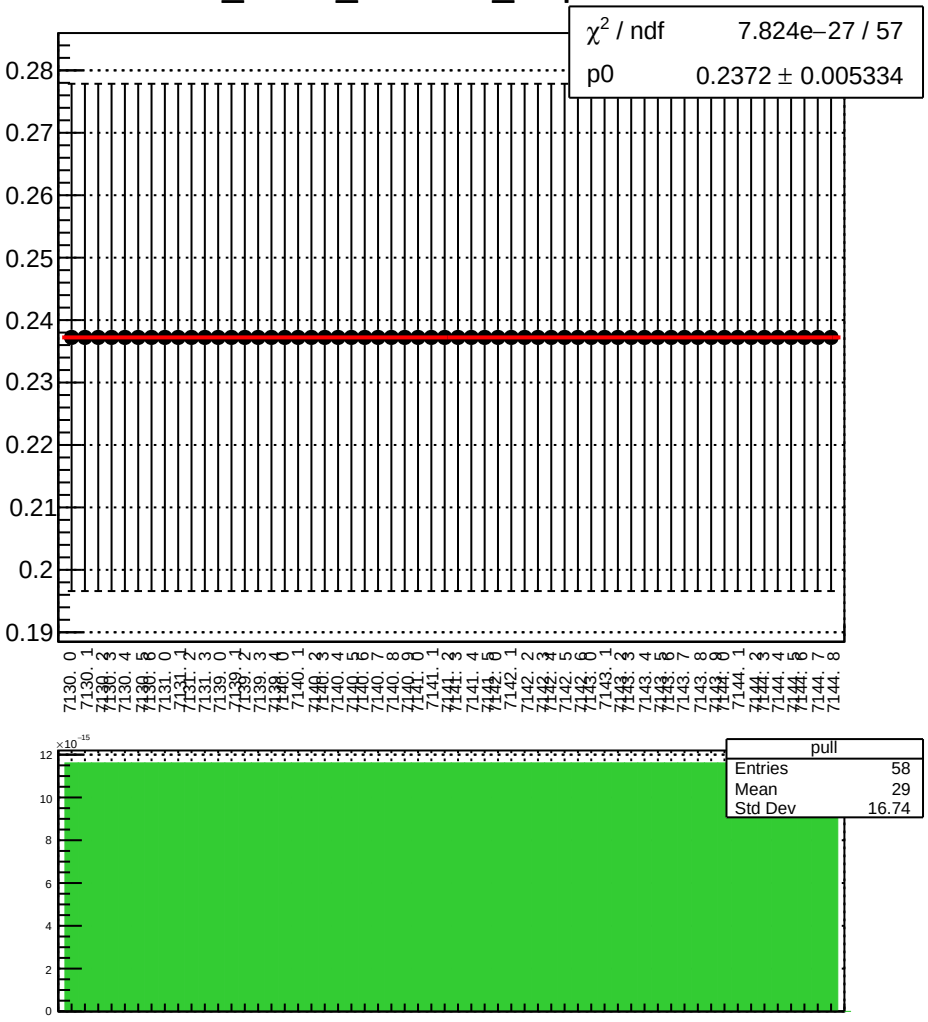


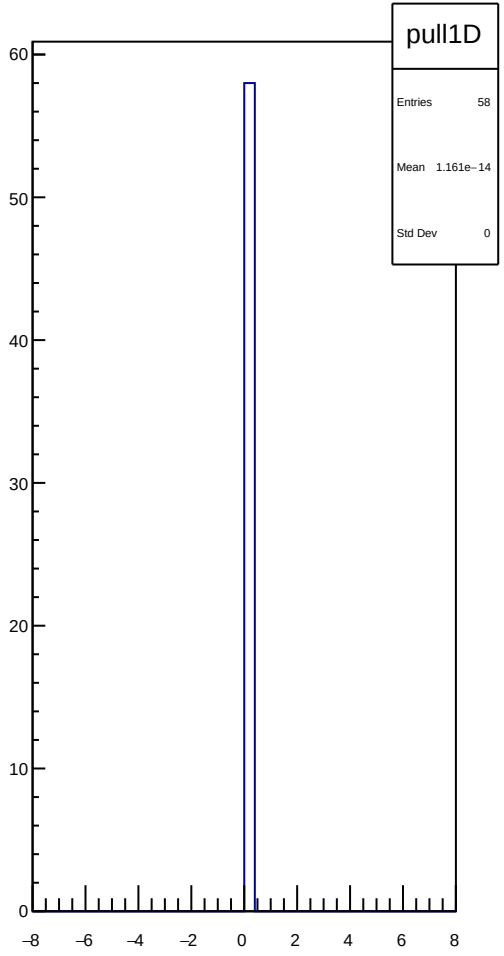
dit_sam1_4eX_slope vs run



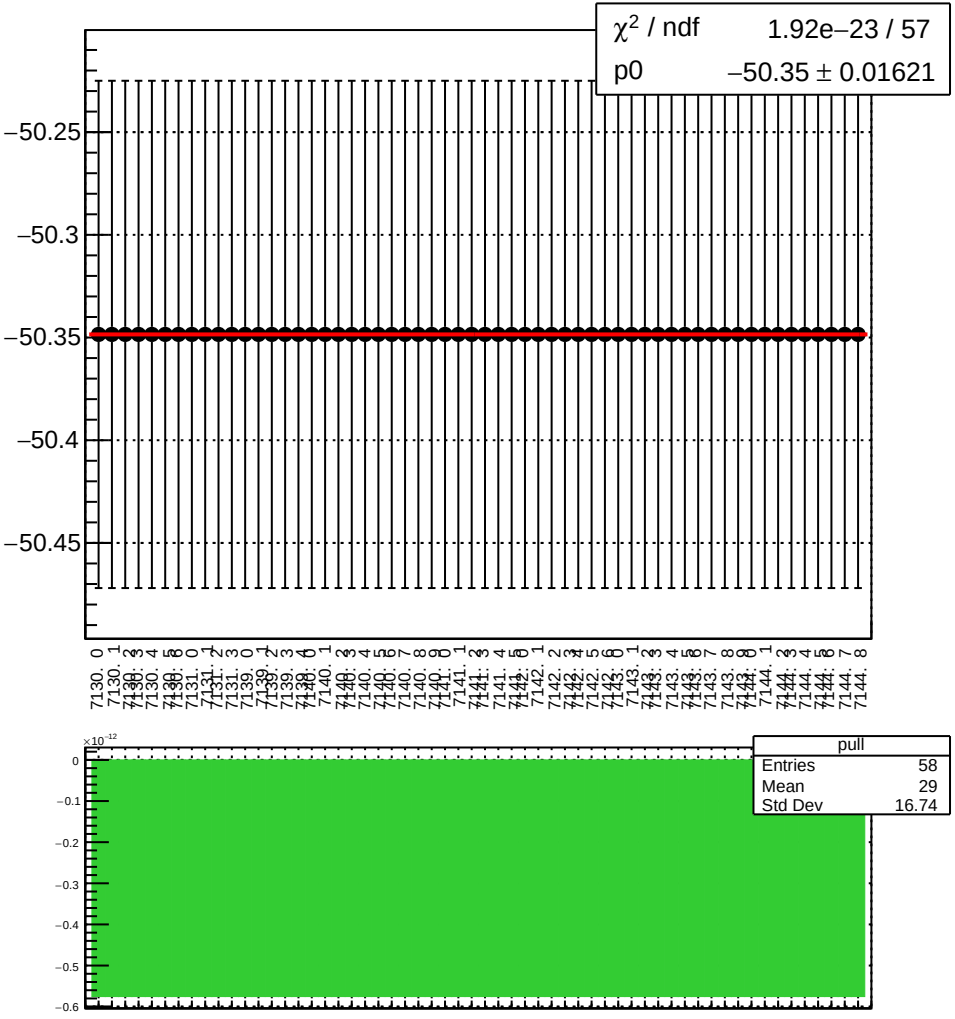


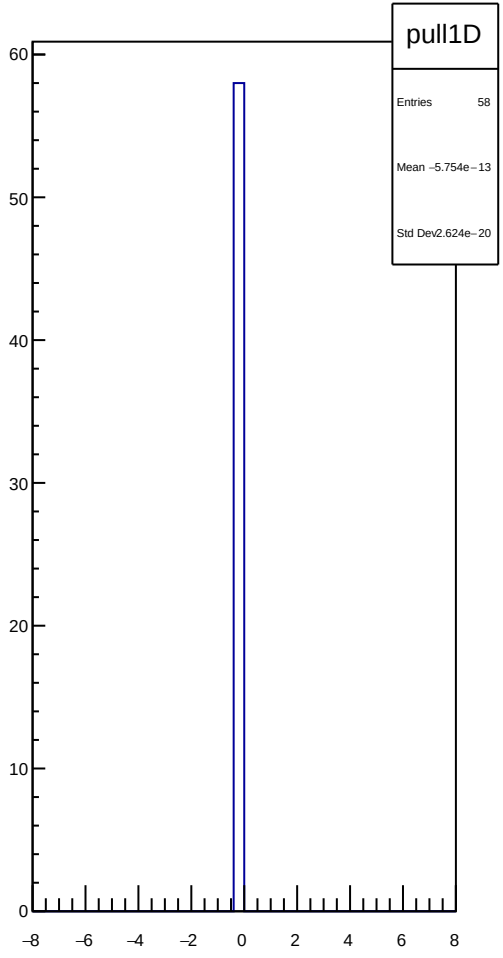
dit_sam1_11X12X_slope vs run



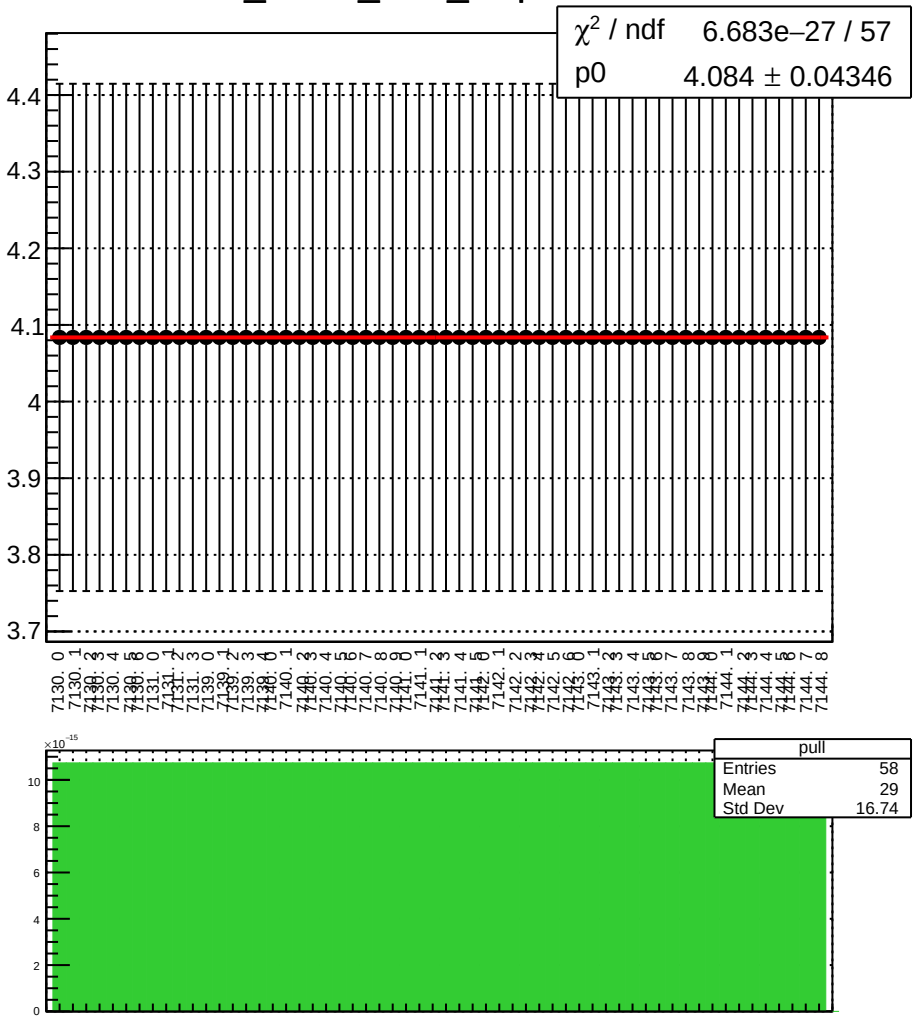


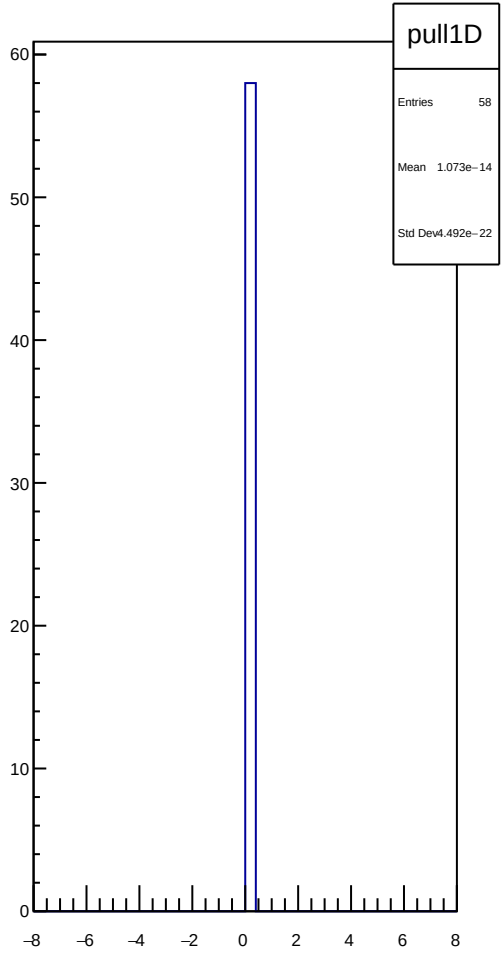
dit_sam1_4aY_slope vs run



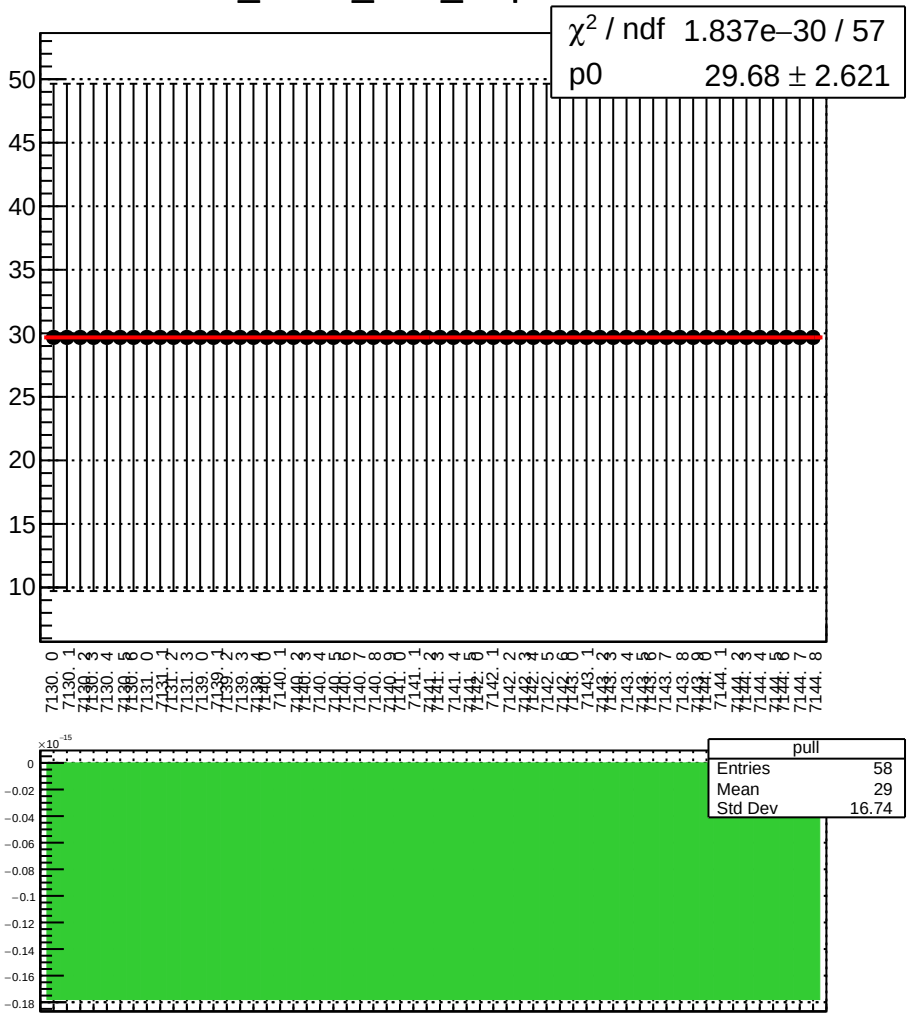


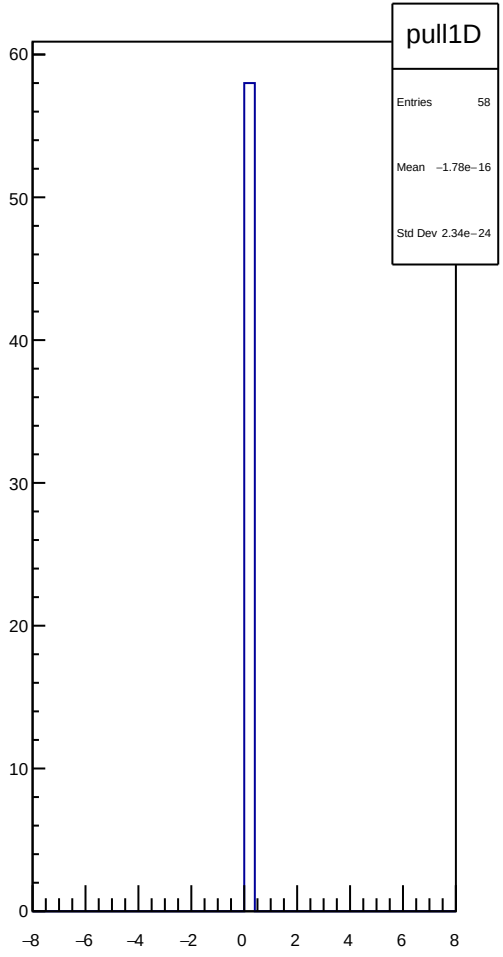
dit_sam1_4eY_slope vs run

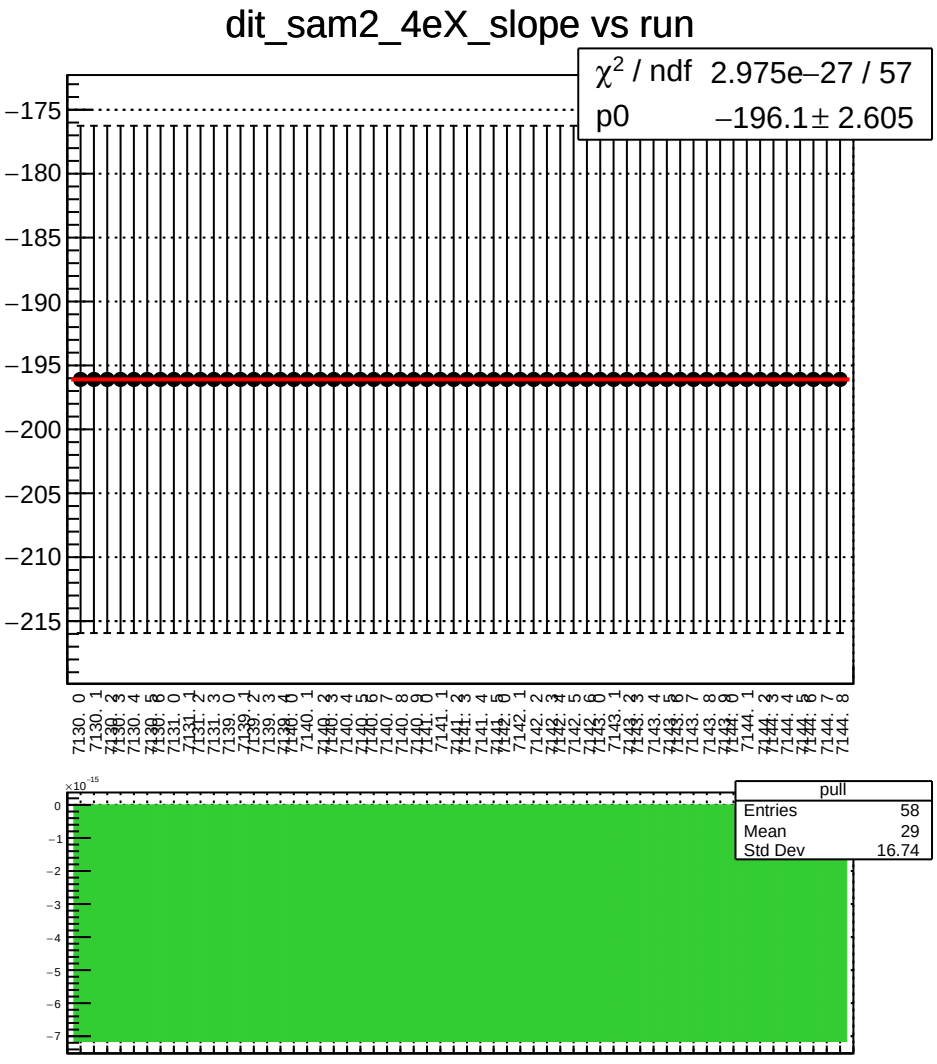


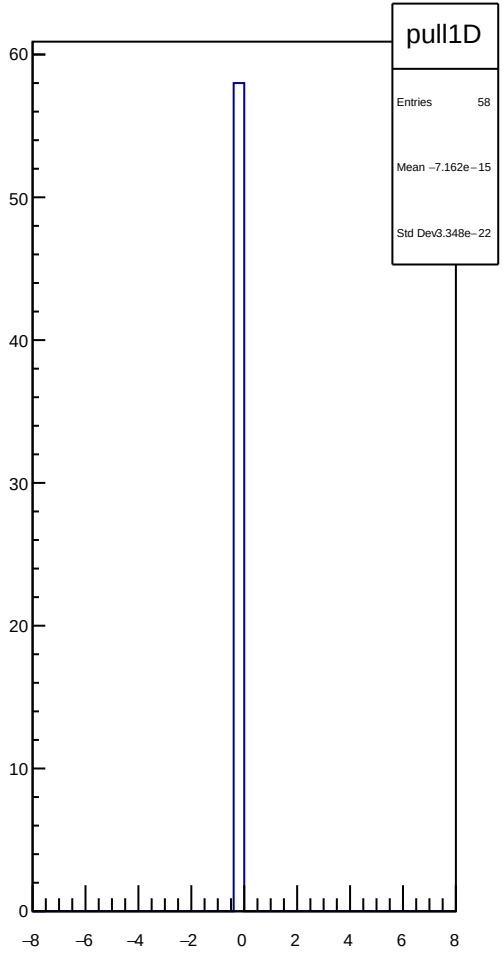


dit_sam2_4aX_slope vs run

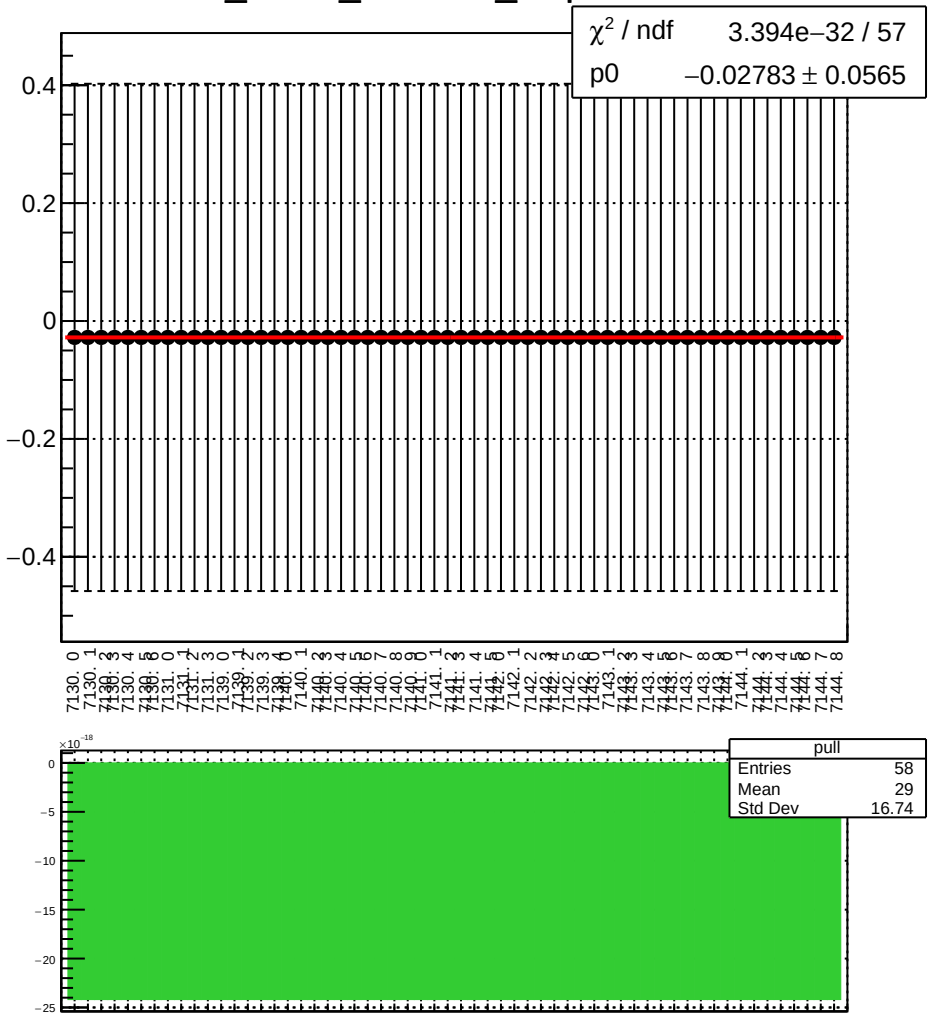


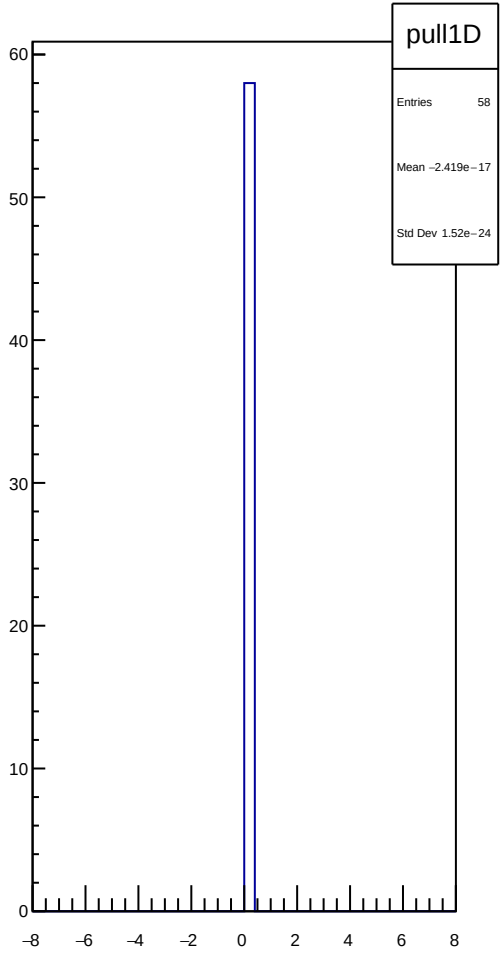


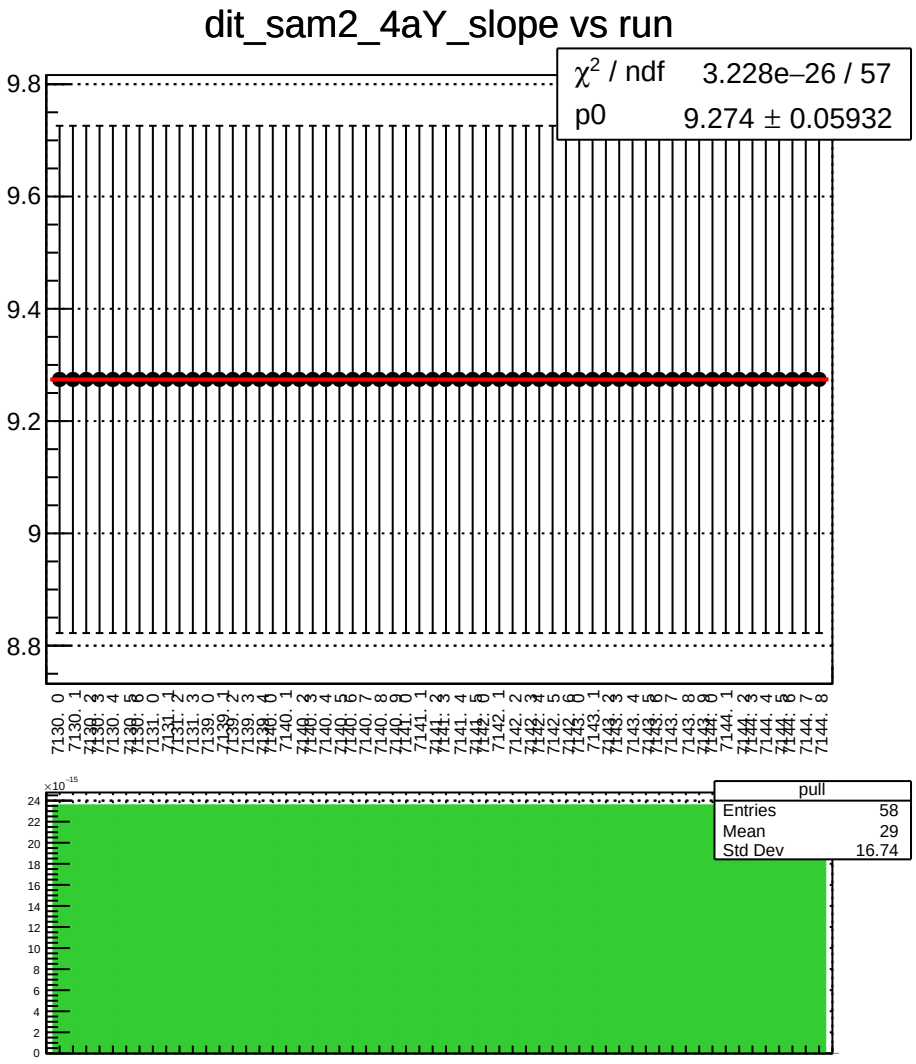

dit_sam2_4eX_slope vs run
χ^2 / ndf 2.975e−27 / 57
p0 −196.1 ± 2.605
−175
−180
−185
−190
−195
−200
−205
−210
−215
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
0
−1
−2
−3
−4
−5
−6
−7

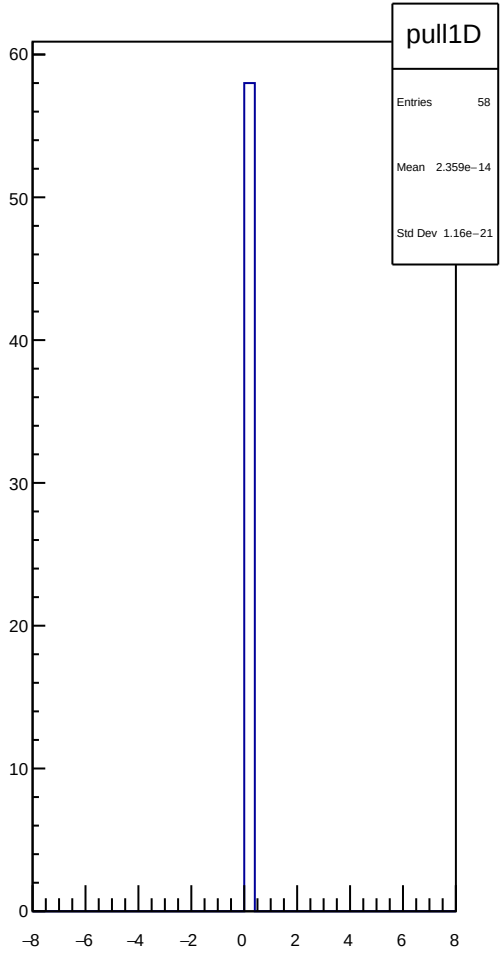

pull1D
Entries 58
Mean −7.162e−15
Std Dev 3.348e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_11X12X_slope vs run

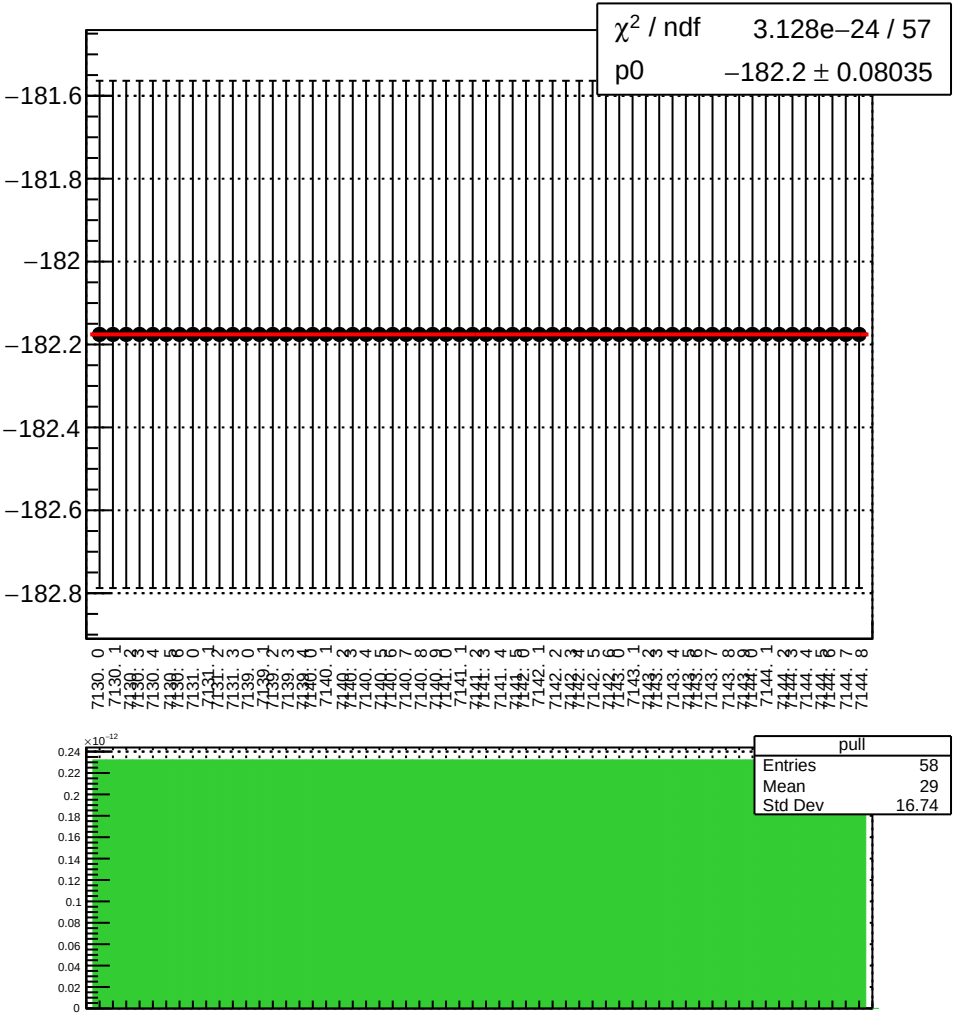


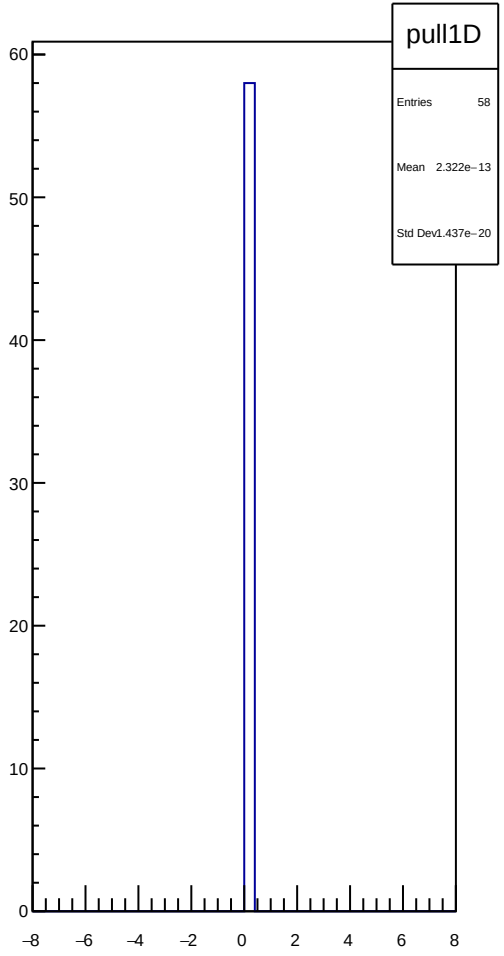



dit_sam2_4aY_slope vs run
χ^2 / ndf 3.228e−26 / 57
p0 9.274 ± 0.05932
9.8
9.6
9.4
9.2
9
8.8
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
24
22
20
18
16
14
12
10
8
6
4
2
0

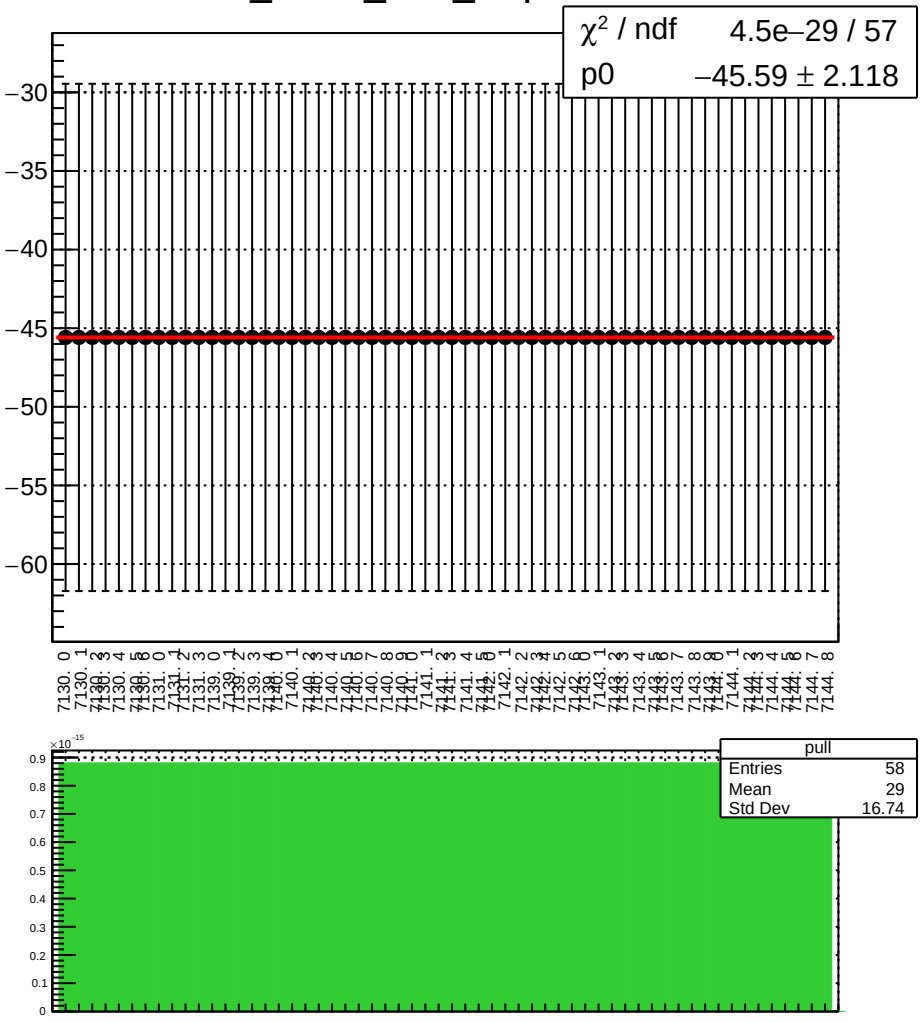

pull1D
Entries 58
Mean 2.359e−14
Std Dev 1.16e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

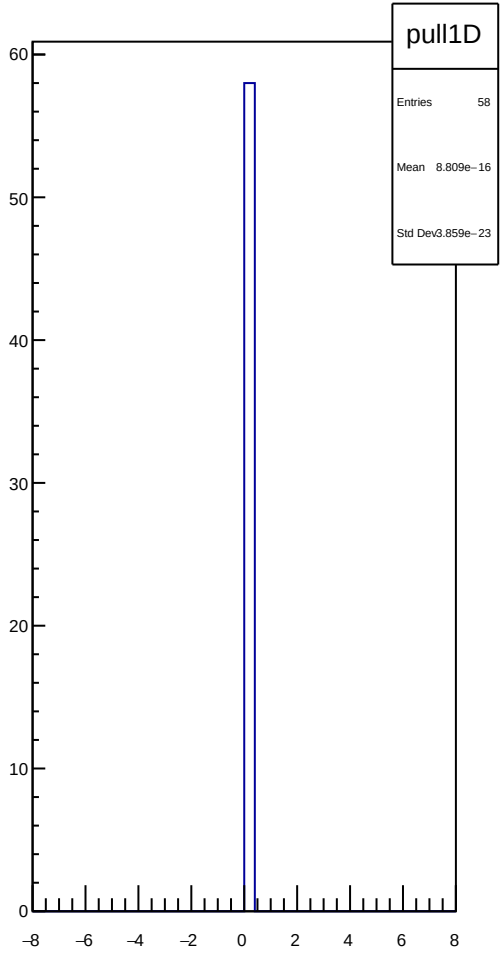
dit_sam2_4eY_slope vs run



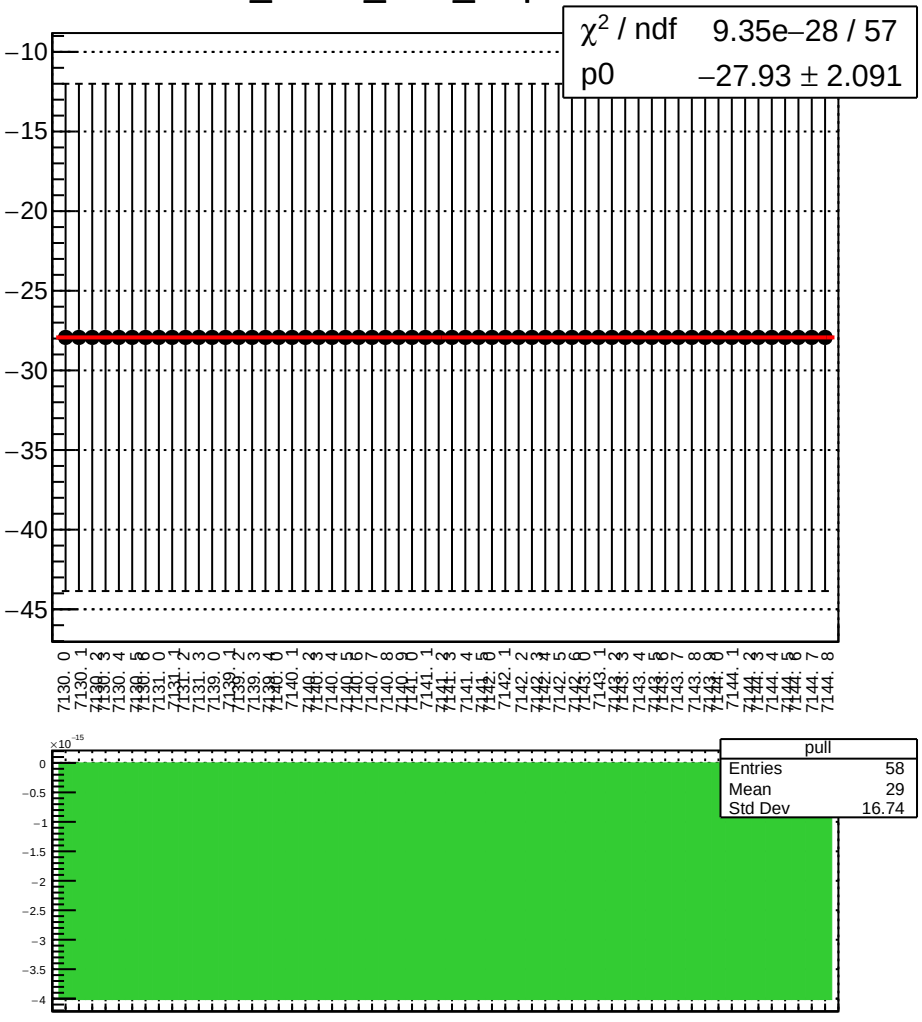


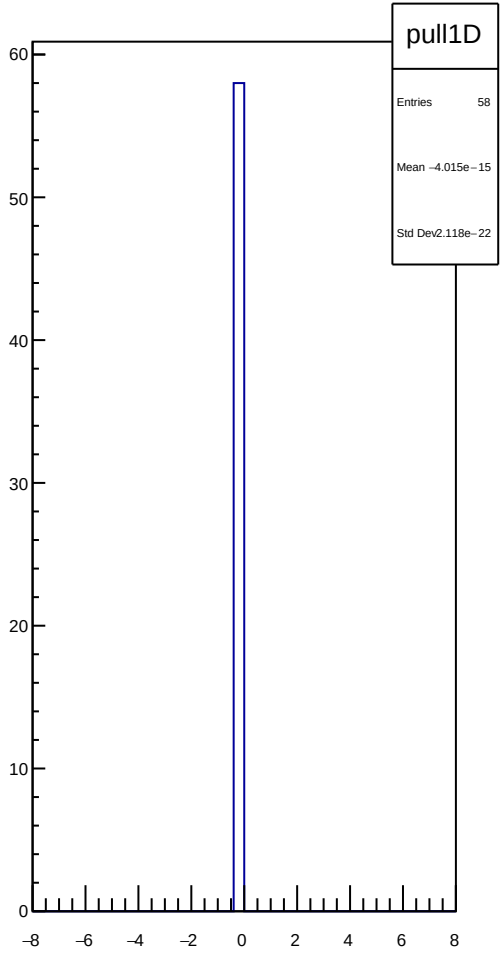
dit_sam3_4aX_slope vs run



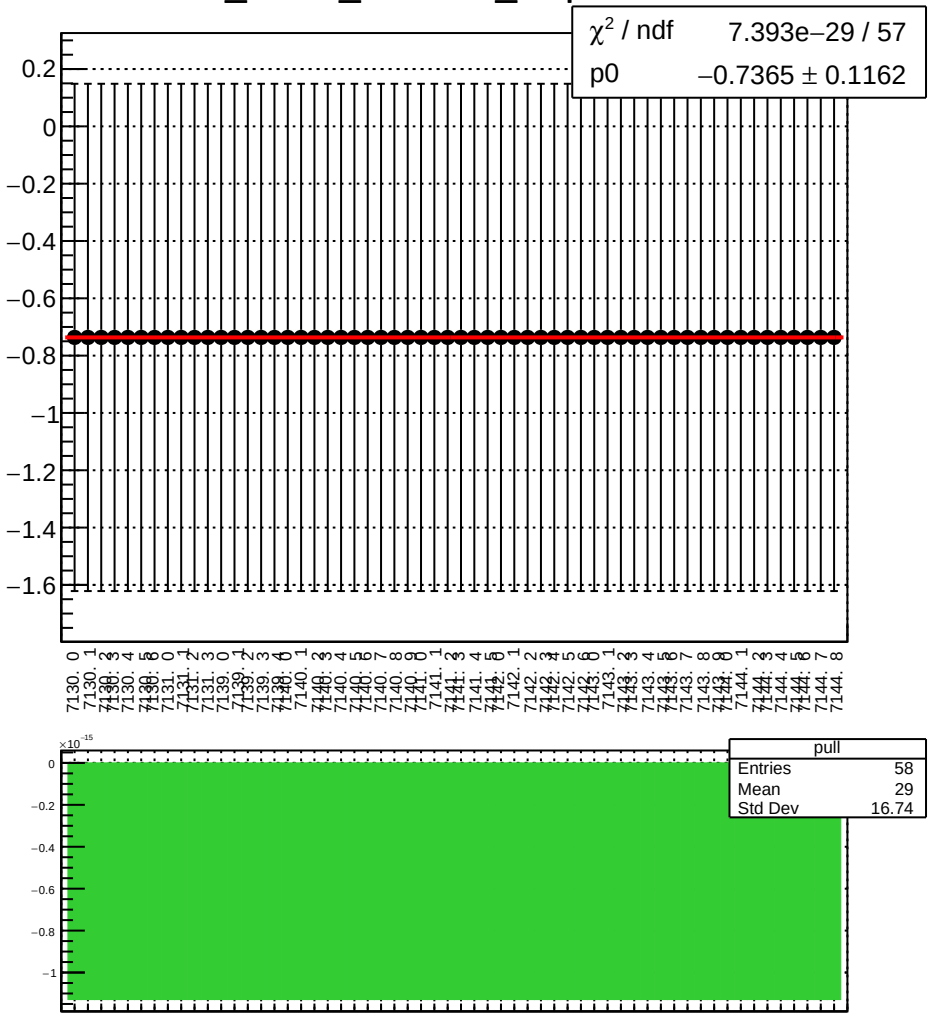


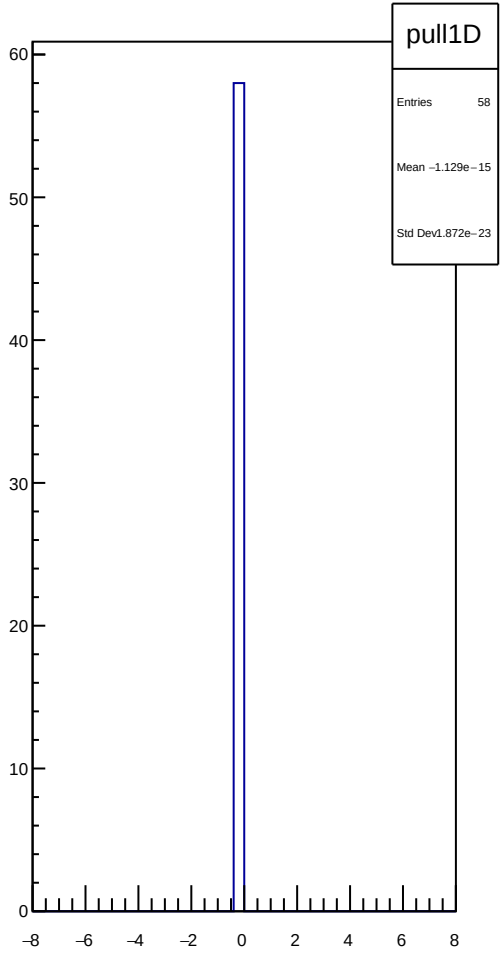
dit_sam3_4eX_slope vs run



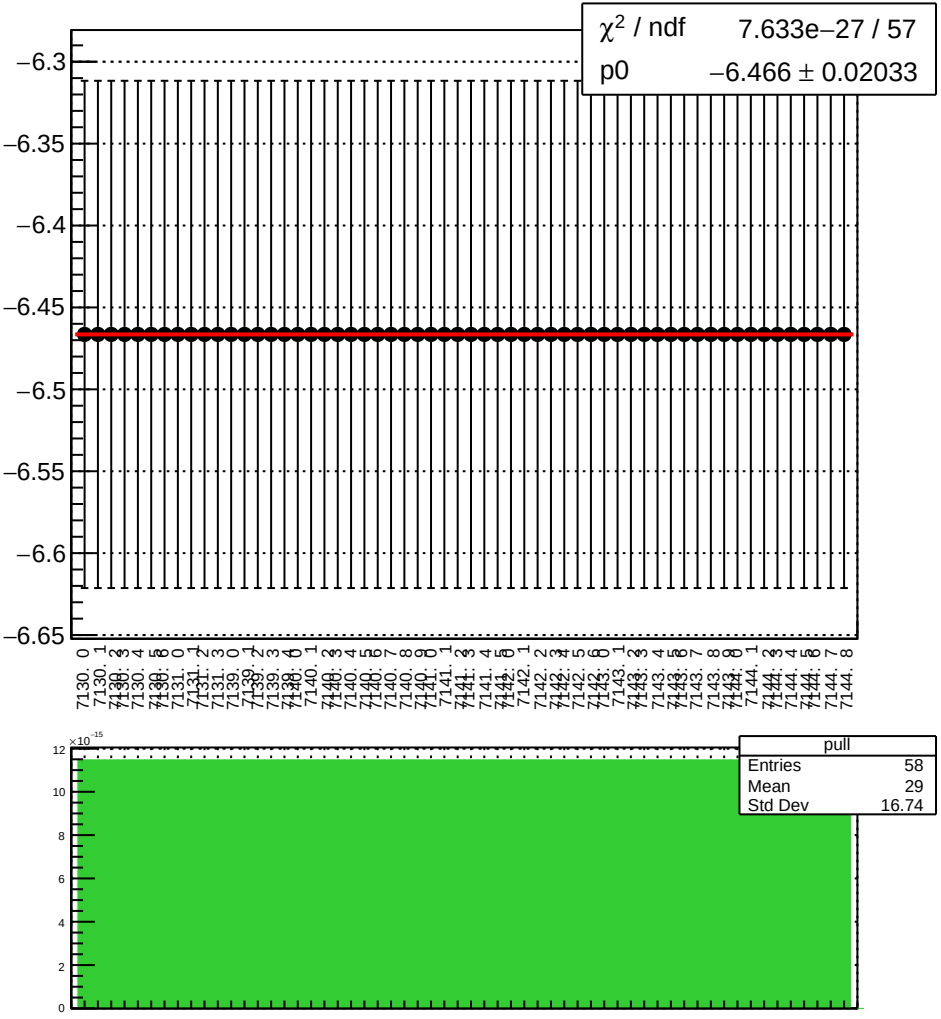


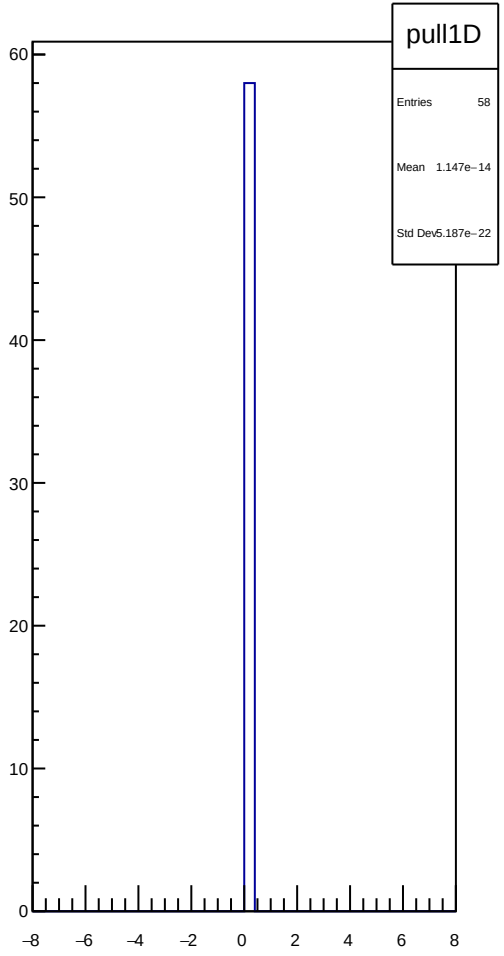
dit_sam3_11X12X_slope vs run

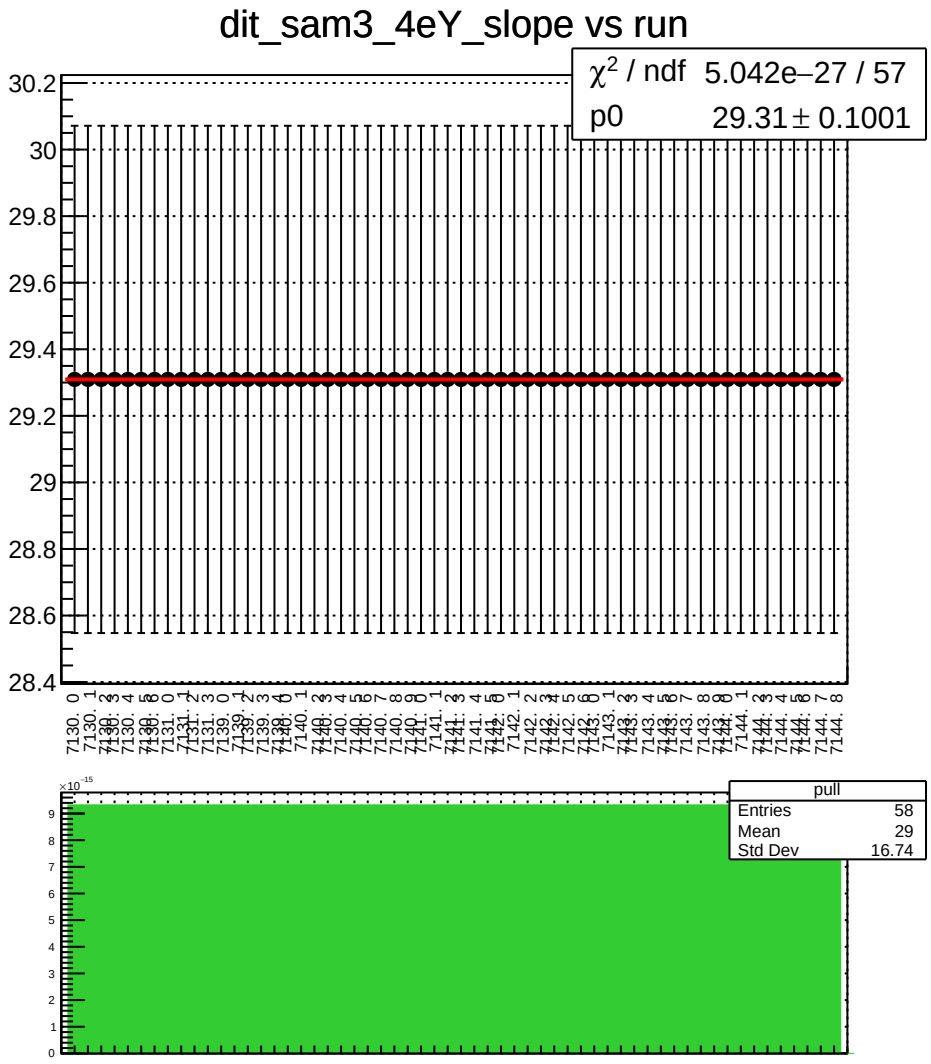


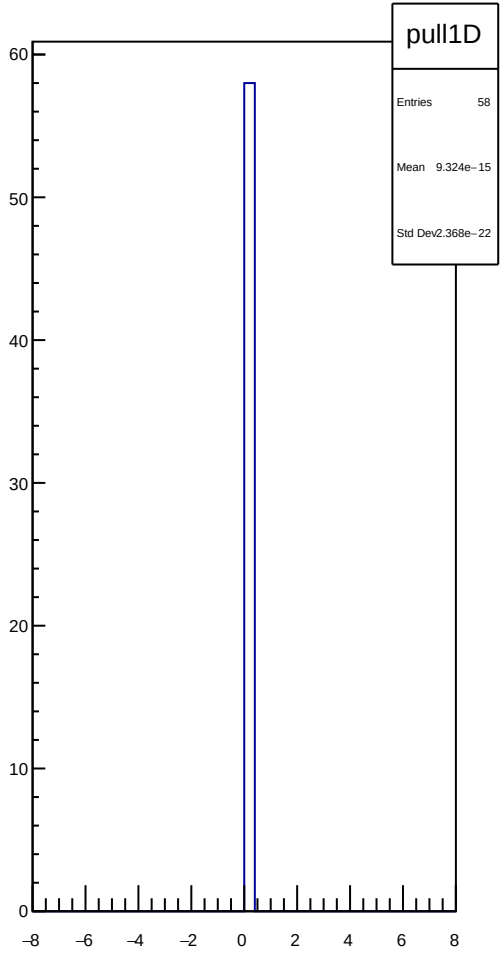


dit_sam3_4aY_slope vs run

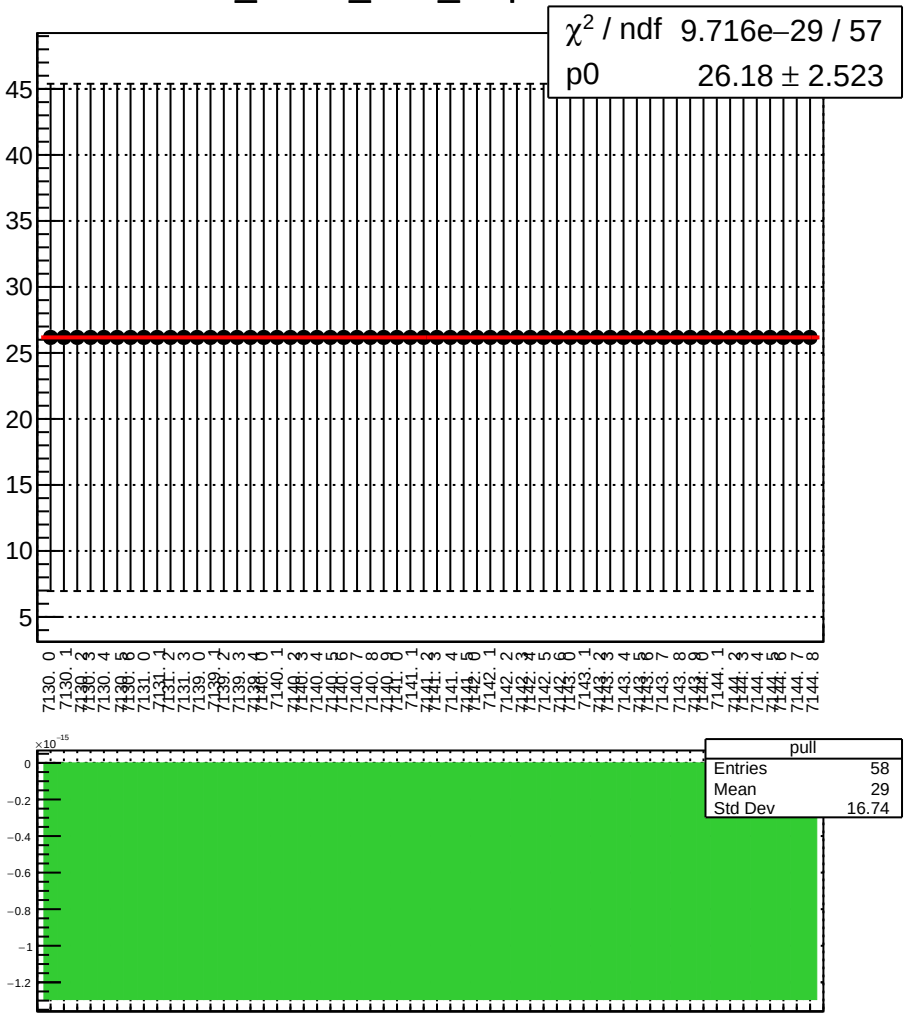


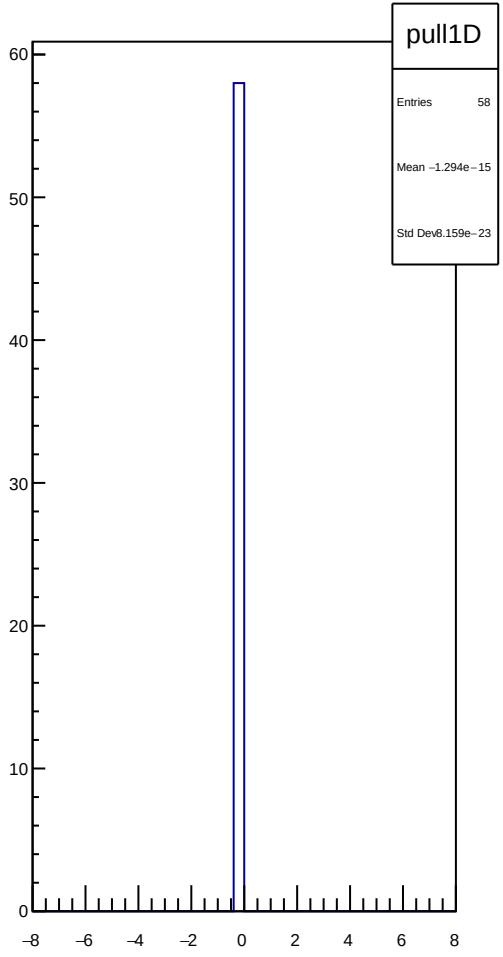



dit_sam3_4eY_slope vs run
χ^2 / ndf 5.042e−27 / 57
p0 29.31 ± 0.1001
pull
Entries 58
Mean 29
Std Dev 16.74

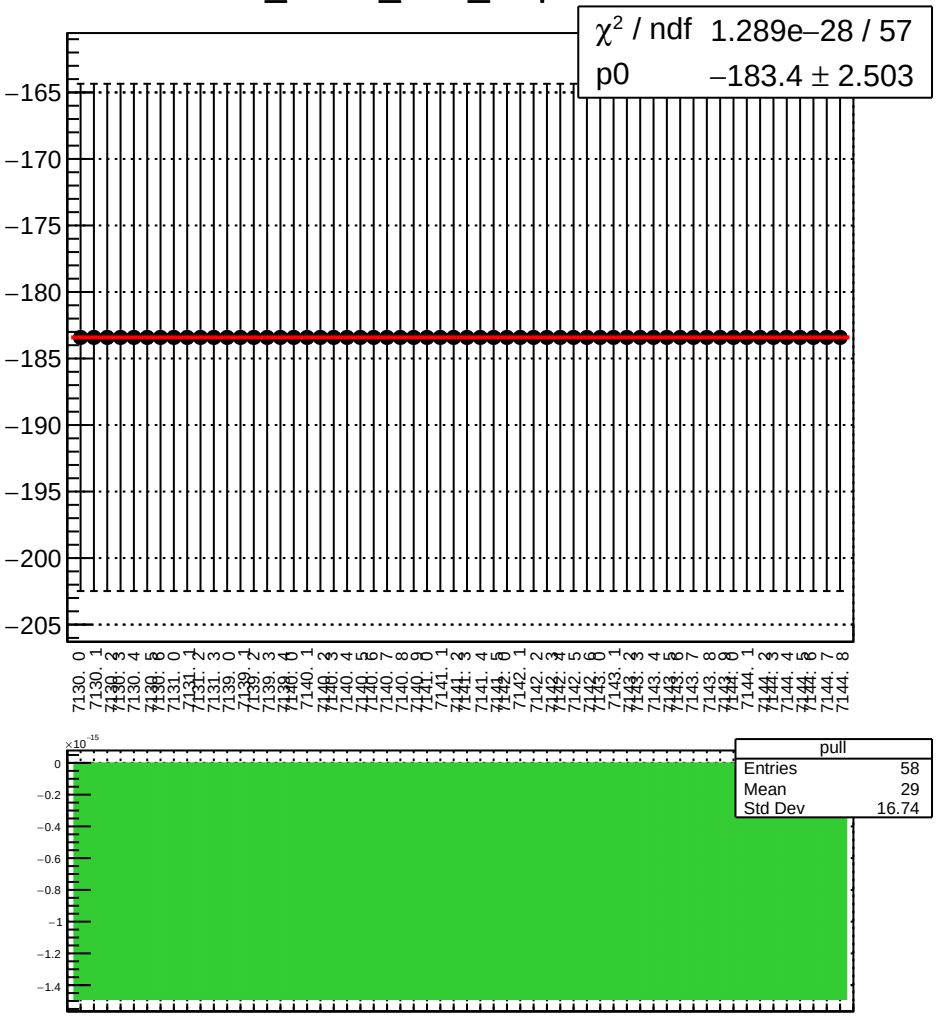

pull1D
Entries 58
Mean 9.324e−15
Std Dev 2.368e−22

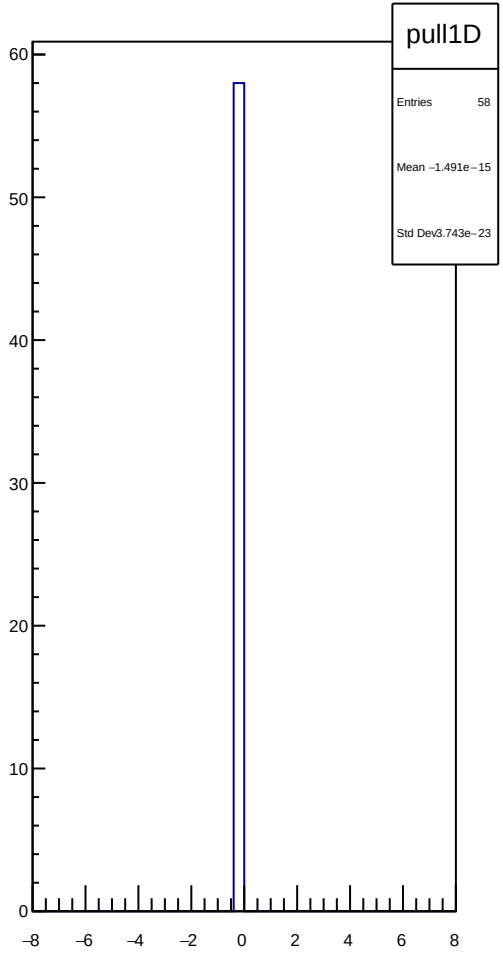
dit_sam4_4aX_slope vs run



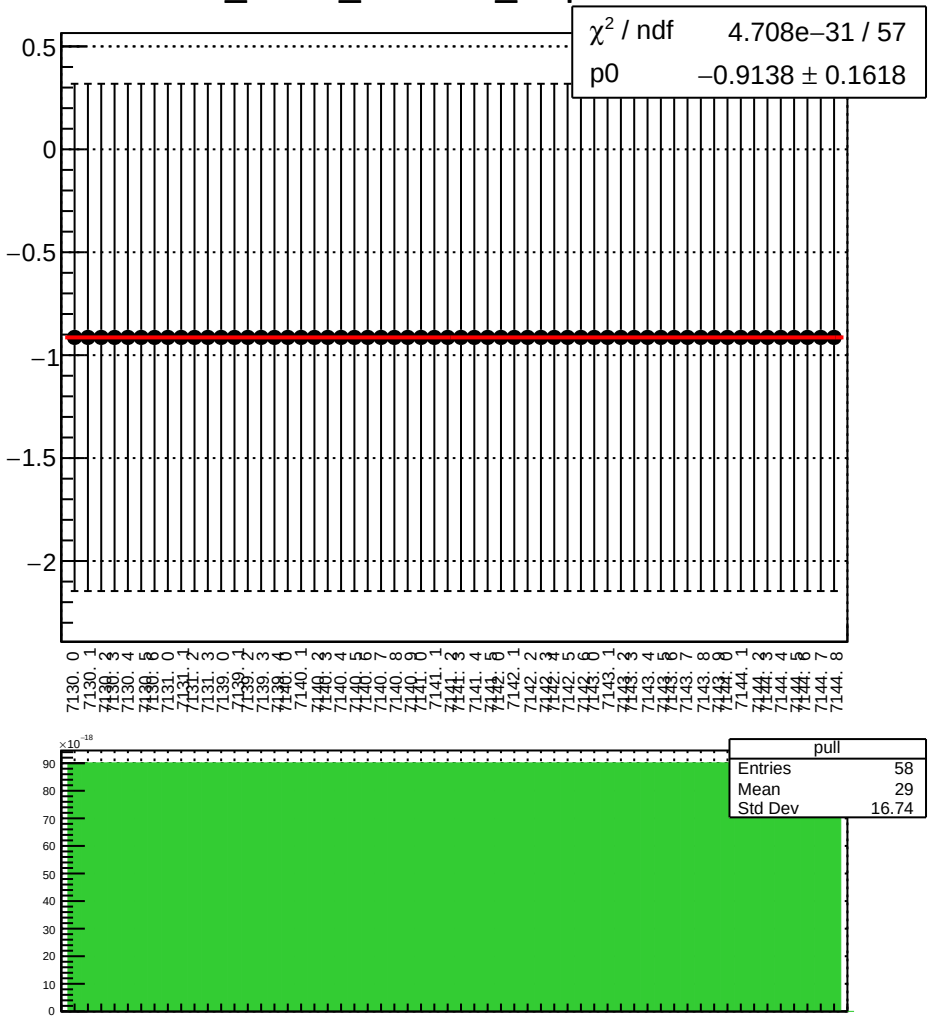


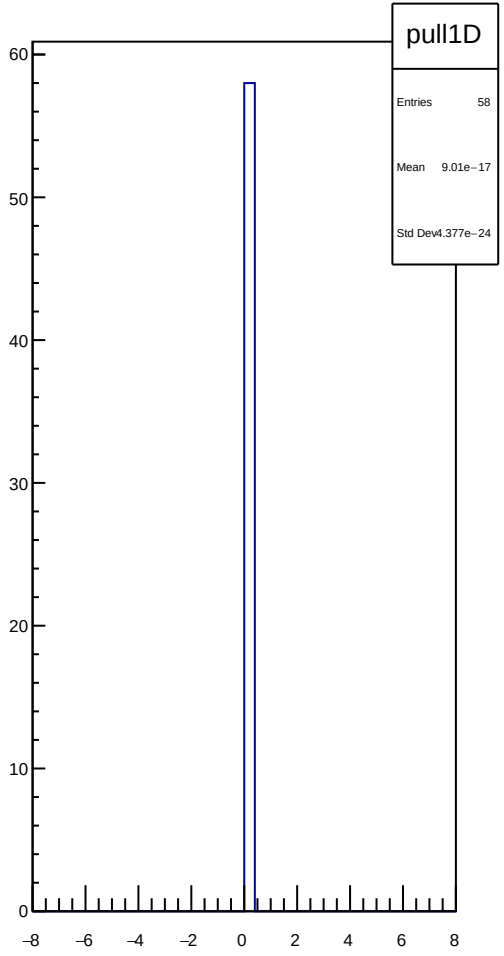
dit_sam4_4eX_slope vs run

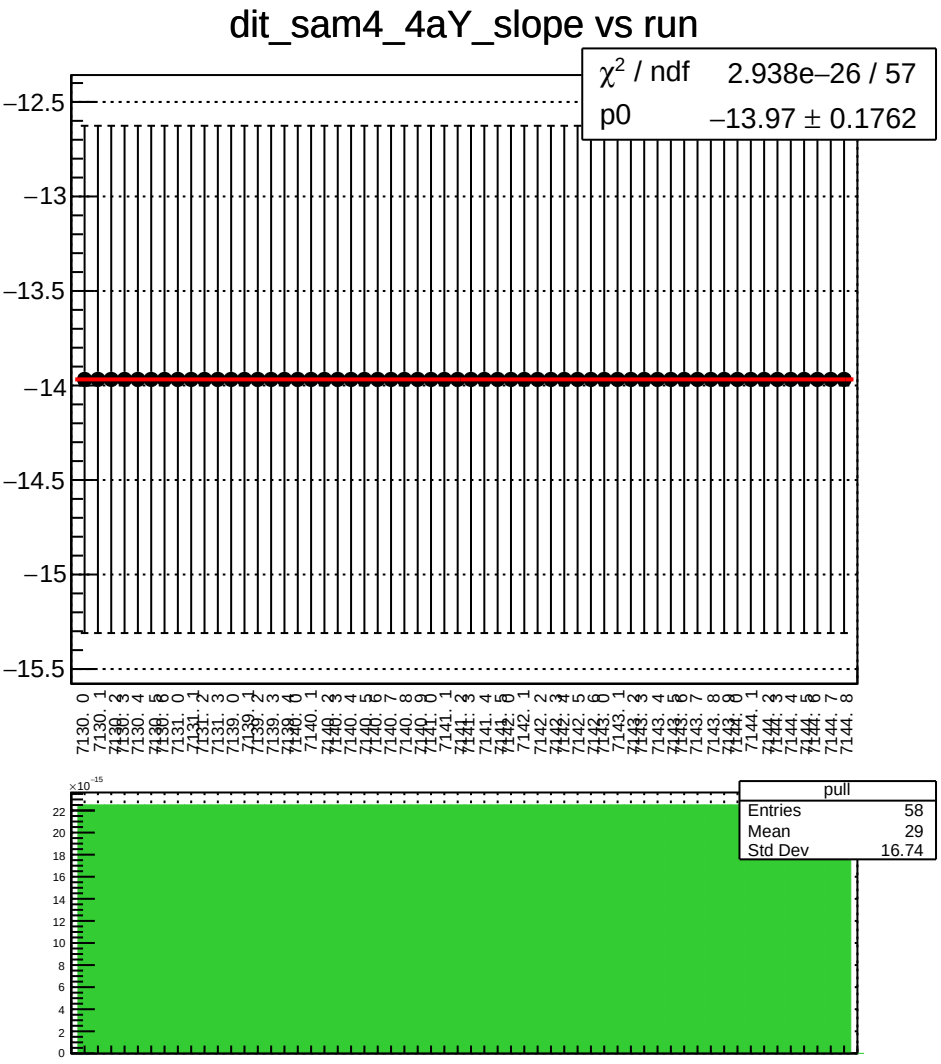


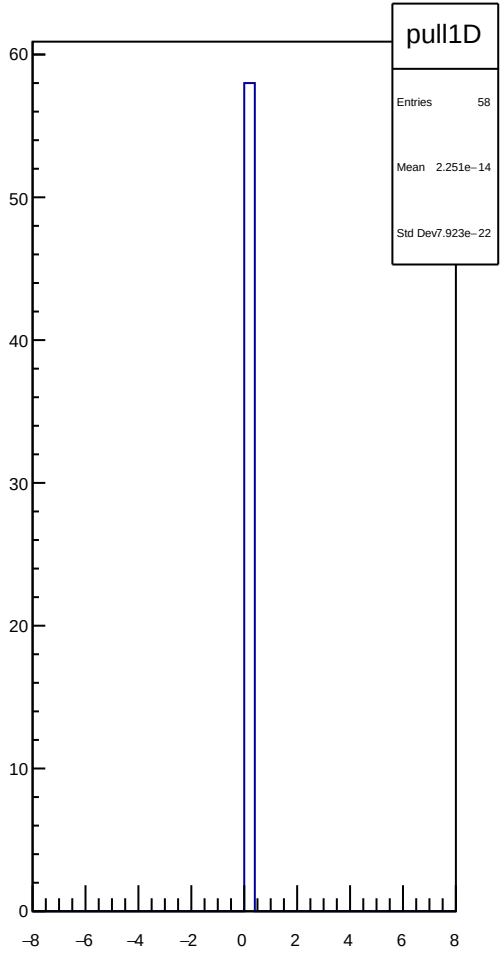


dit_sam4_11X12X_slope vs run

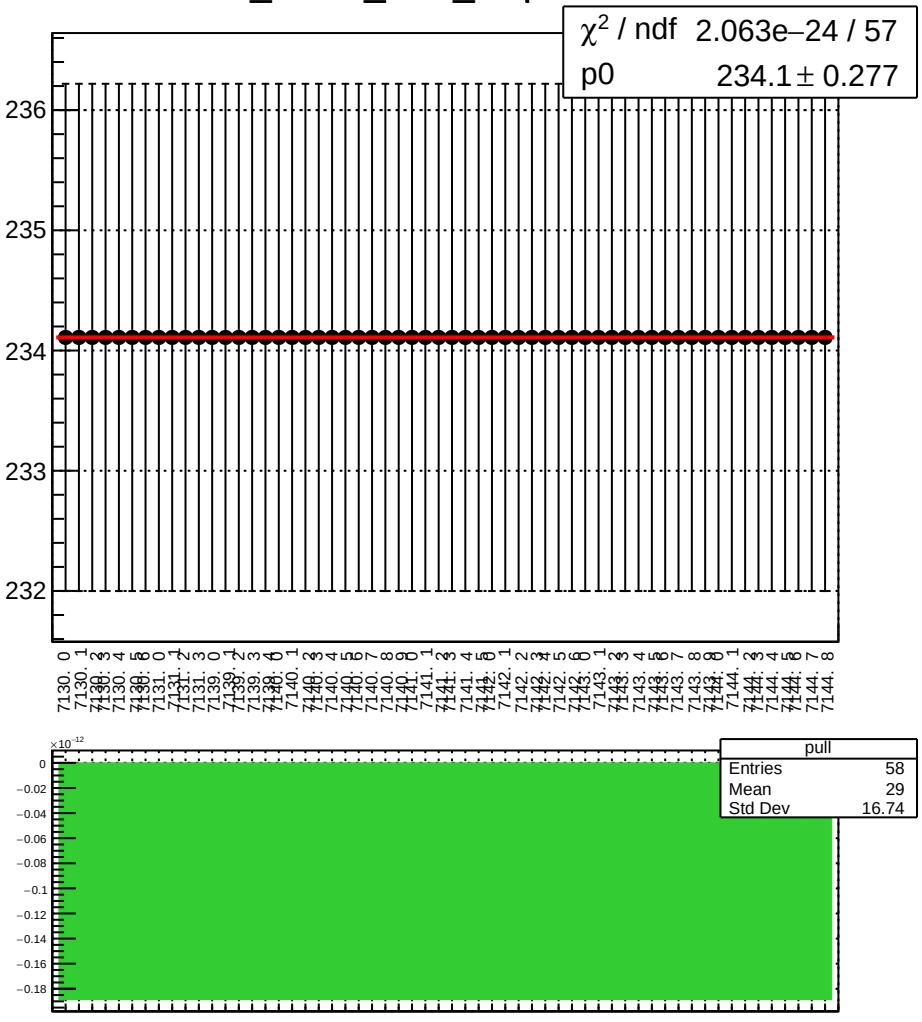


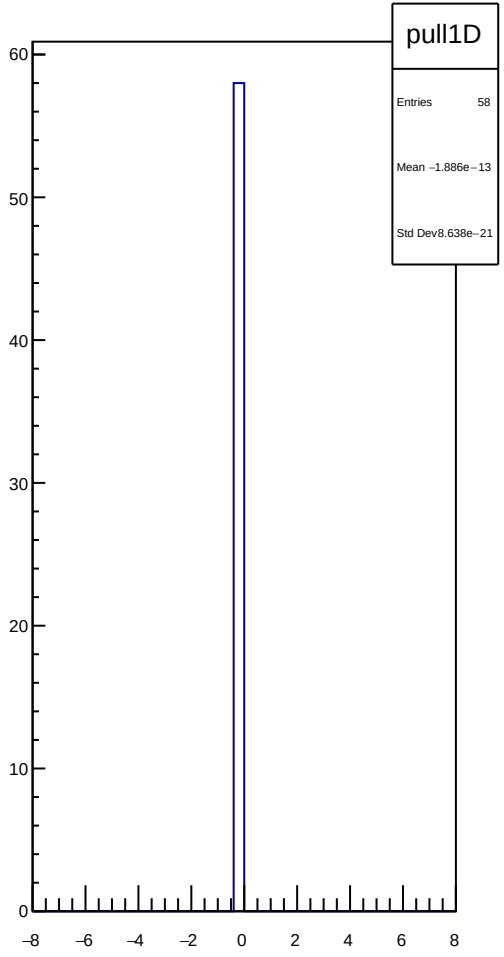



dit_sam4_4aY_slope vs run
χ² / ndf 2.938e−26 / 57
p0 −13.97 ± 0.1762
−12.5
−13
−13.5
−14
−14.5
−15
−15.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

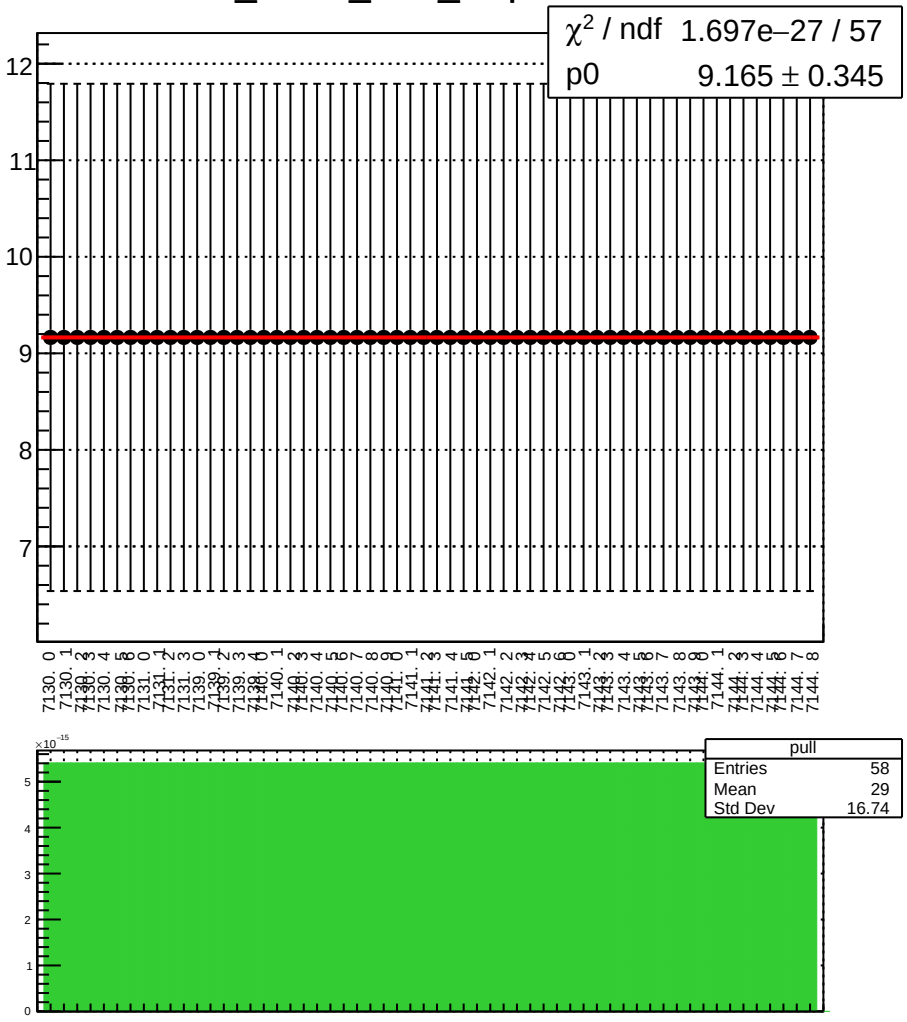

pull1D
Entries 58
Mean 2.251e−14
Std Dev 7.923e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

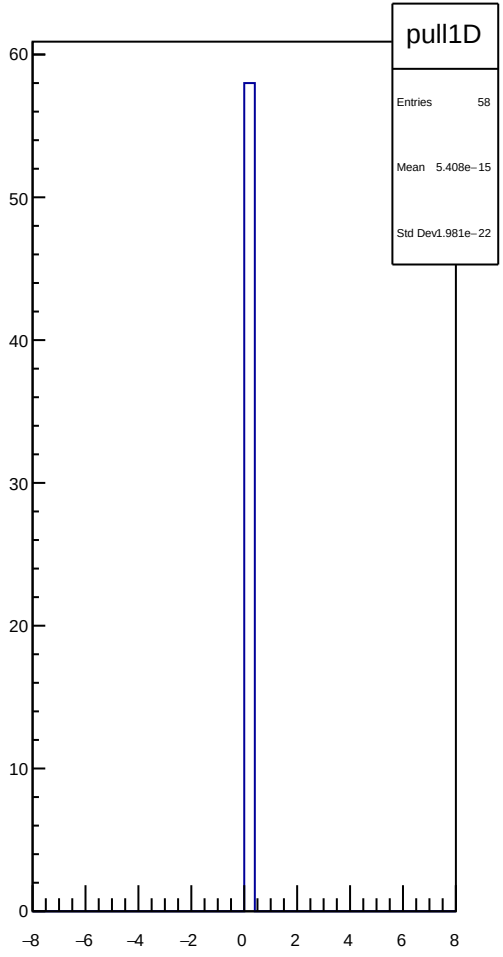
dit_sam4_4eY_slope vs run



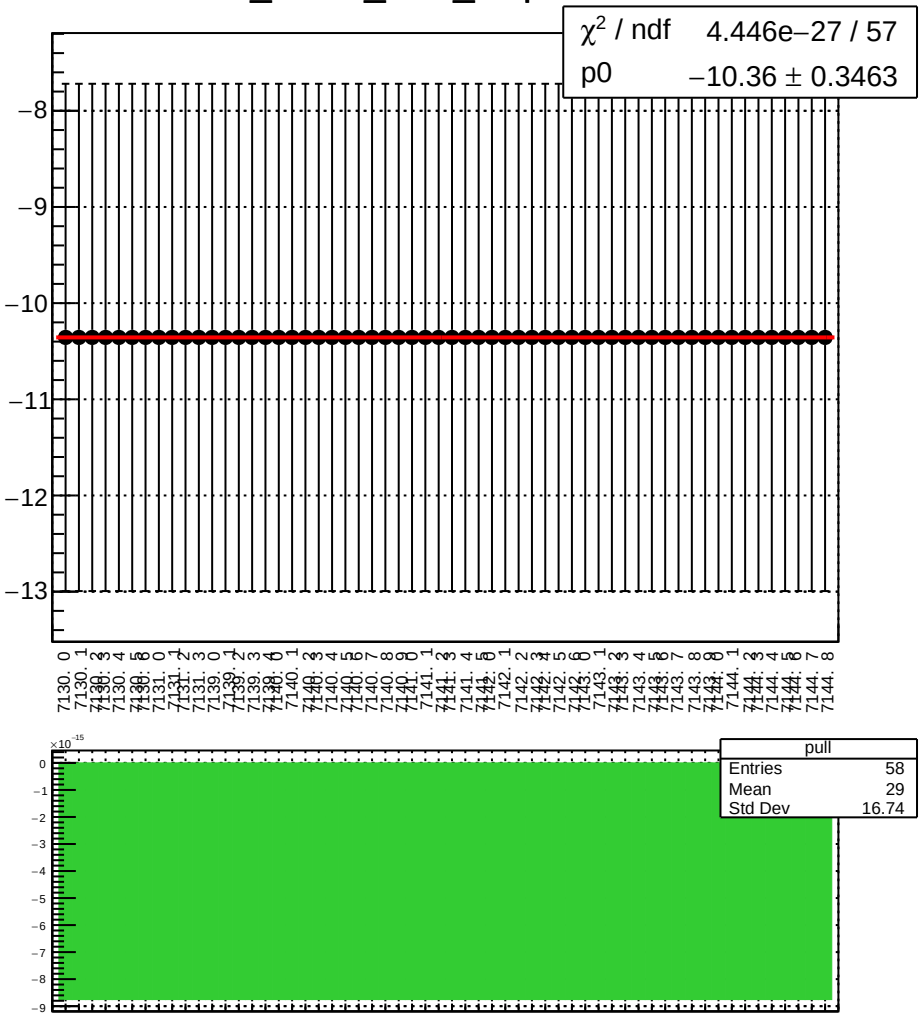


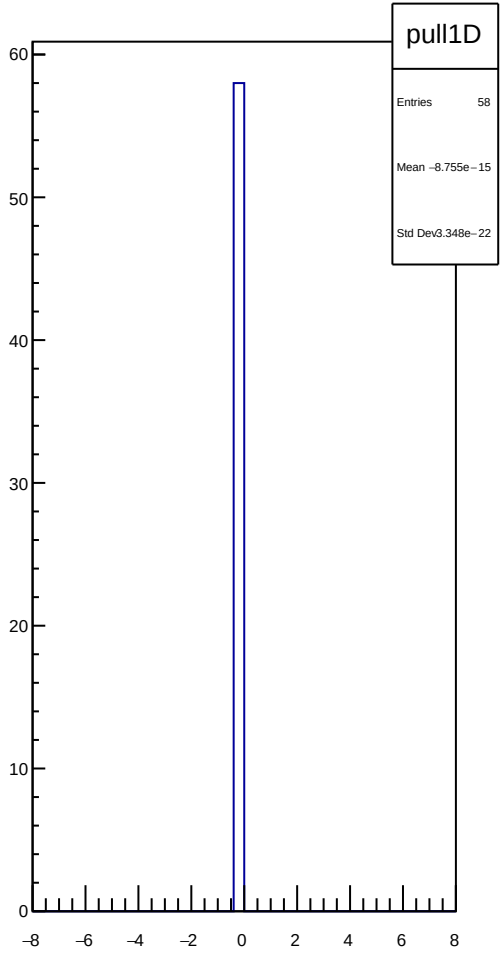
dit_sam5_4aX_slope vs run



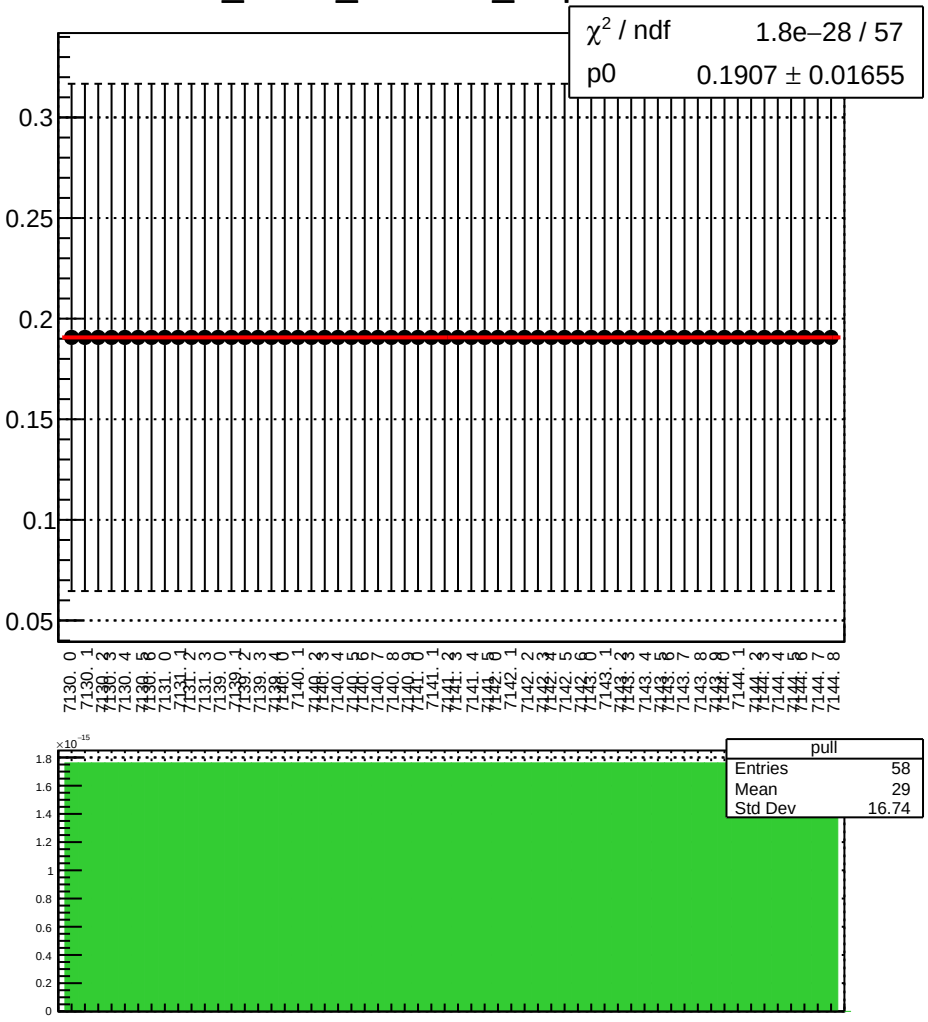


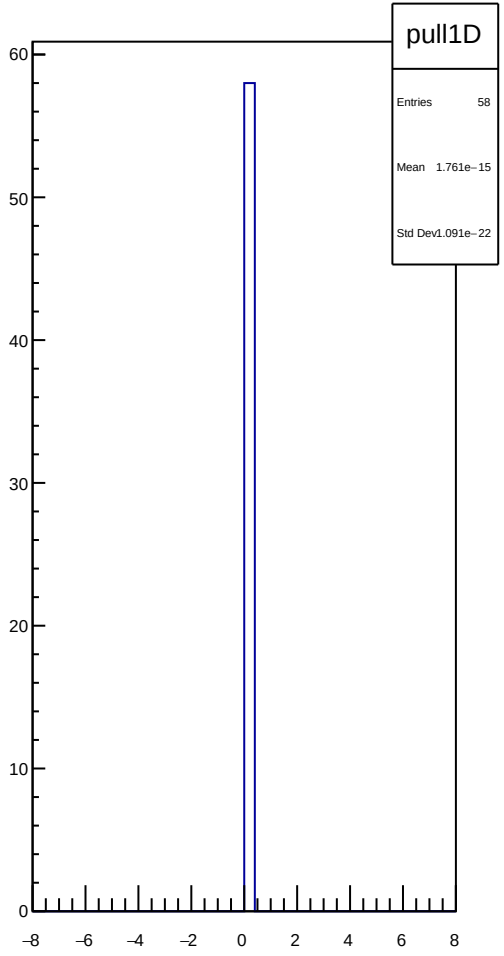
dit_sam5_4eX_slope vs run

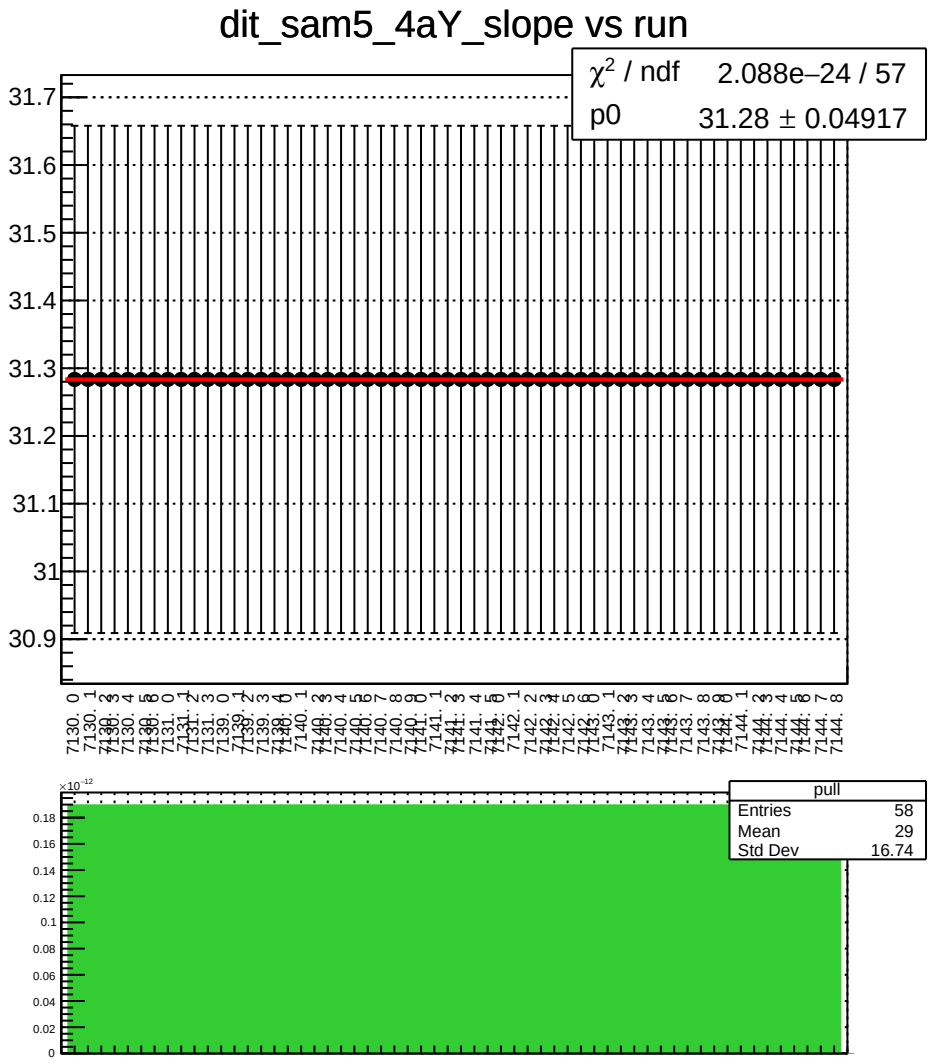


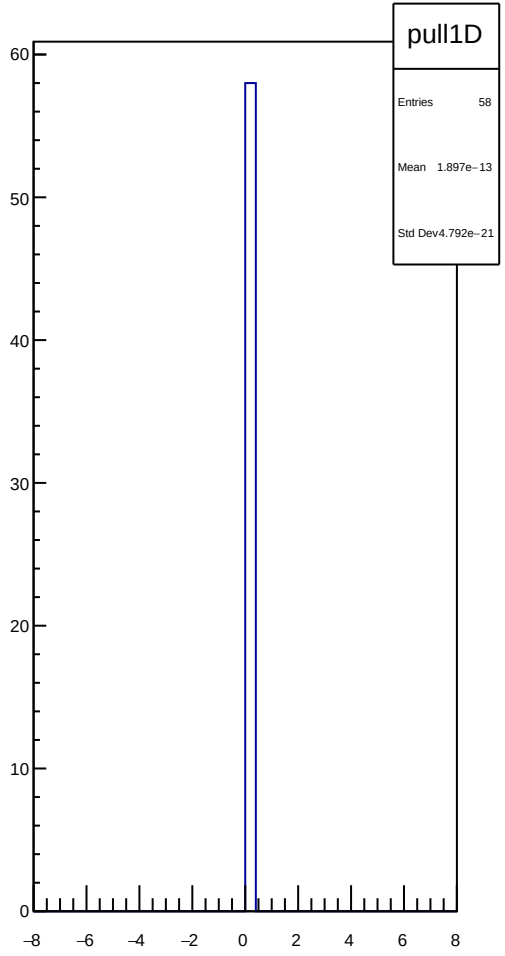


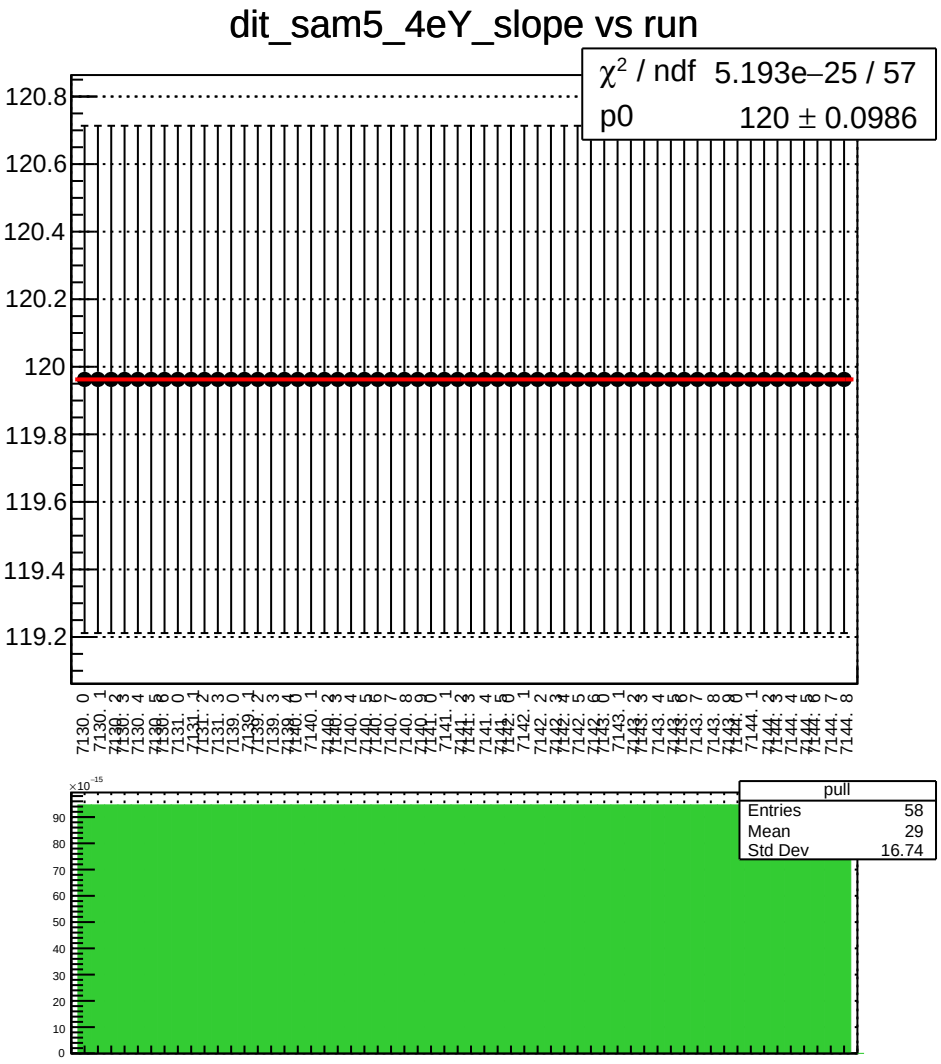
dit_sam5_11X12X_slope vs run

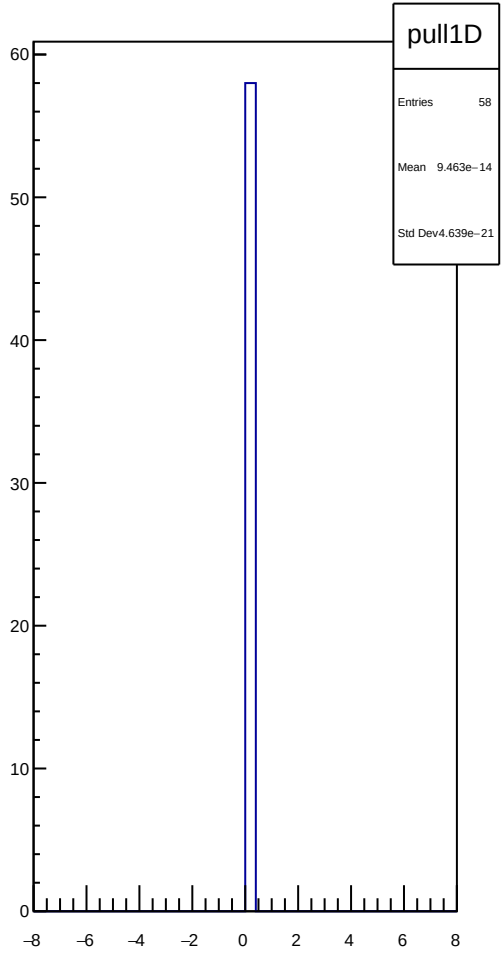


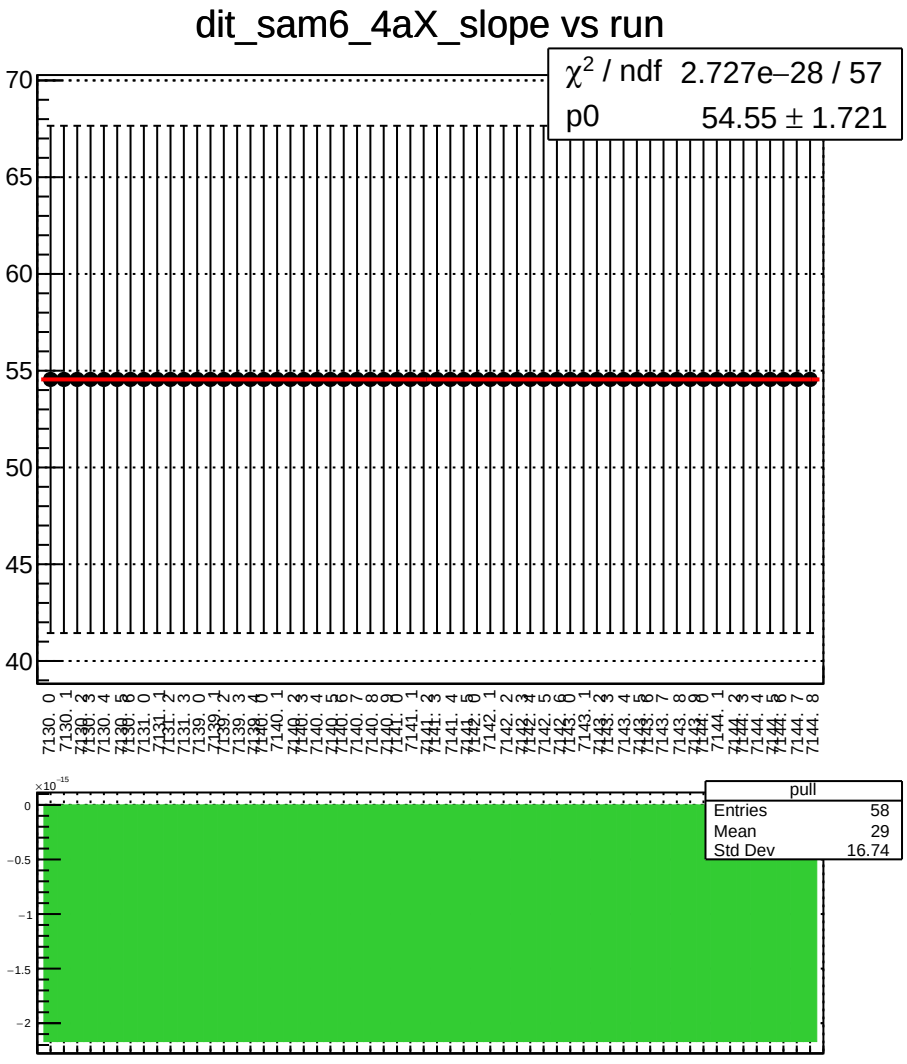


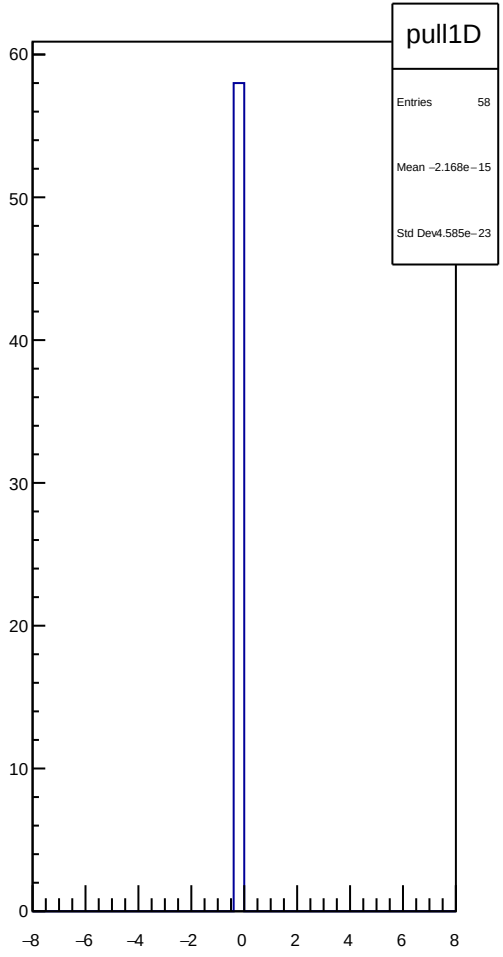

dit_sam5_4aY_slope vs run
χ² / ndf 2.088e−24 / 57
p0 31.28 ± 0.04917
31.7
31.6
31.5
31.4
31.3
31.2
31.1
31
30.9
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 58
Mean 1.897e−13
Std Dev 4.792e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

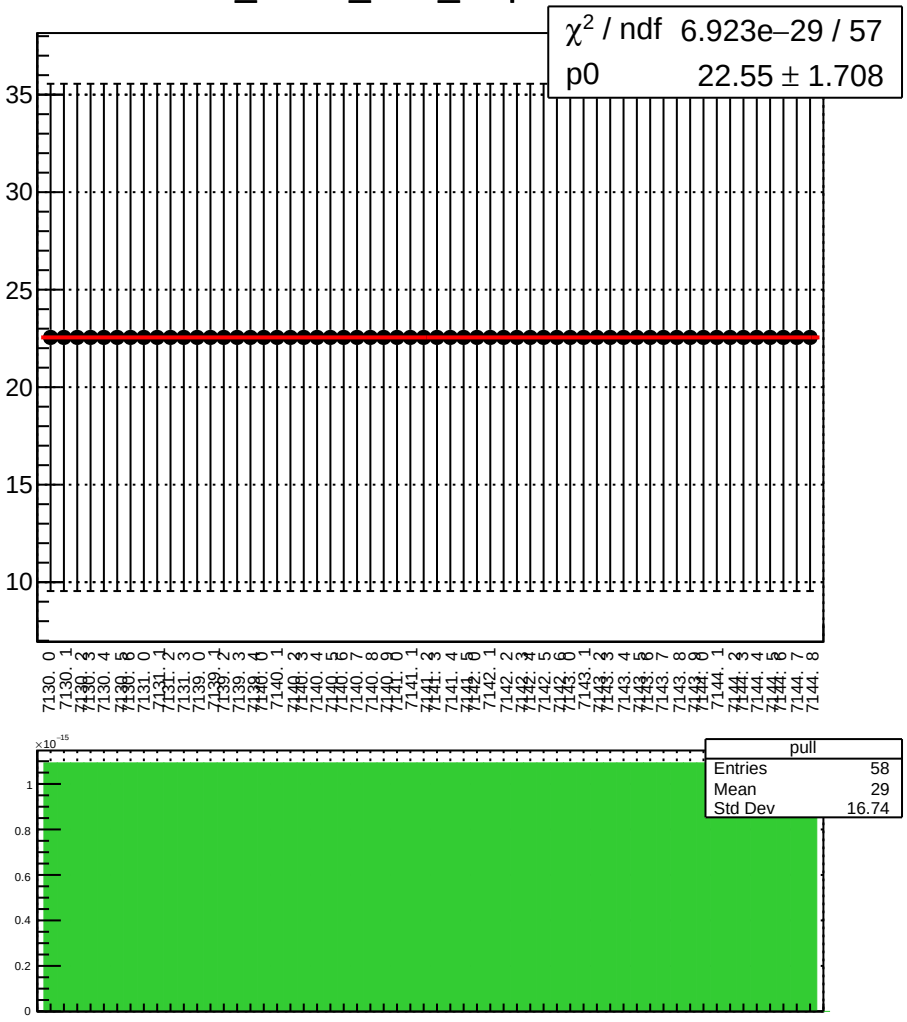

dit_sam5_4eY_slope vs run
χ² / ndf 5.193e−25 / 57
p0 120 ± 0.0986
120.8
120.6
120.4
120.2
120
119.8
119.6
119.4
119.2
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

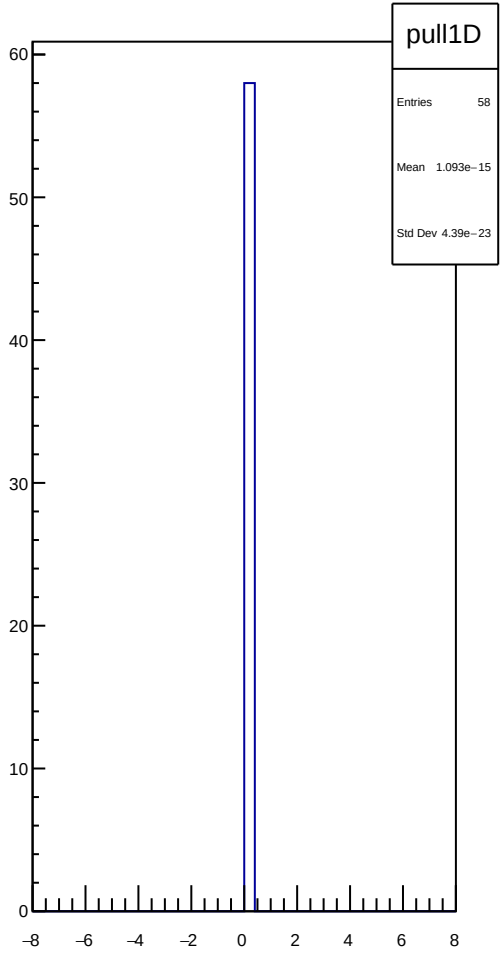

pull1D
Entries 58
Mean 9.463e−14
Std Dev 4.639e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_4aX_slope vs run
χ^2 / ndf 2.727e−28 / 57
p0 54.55 ± 1.721
pull
Entries 58
Mean 29
Std Dev 16.74

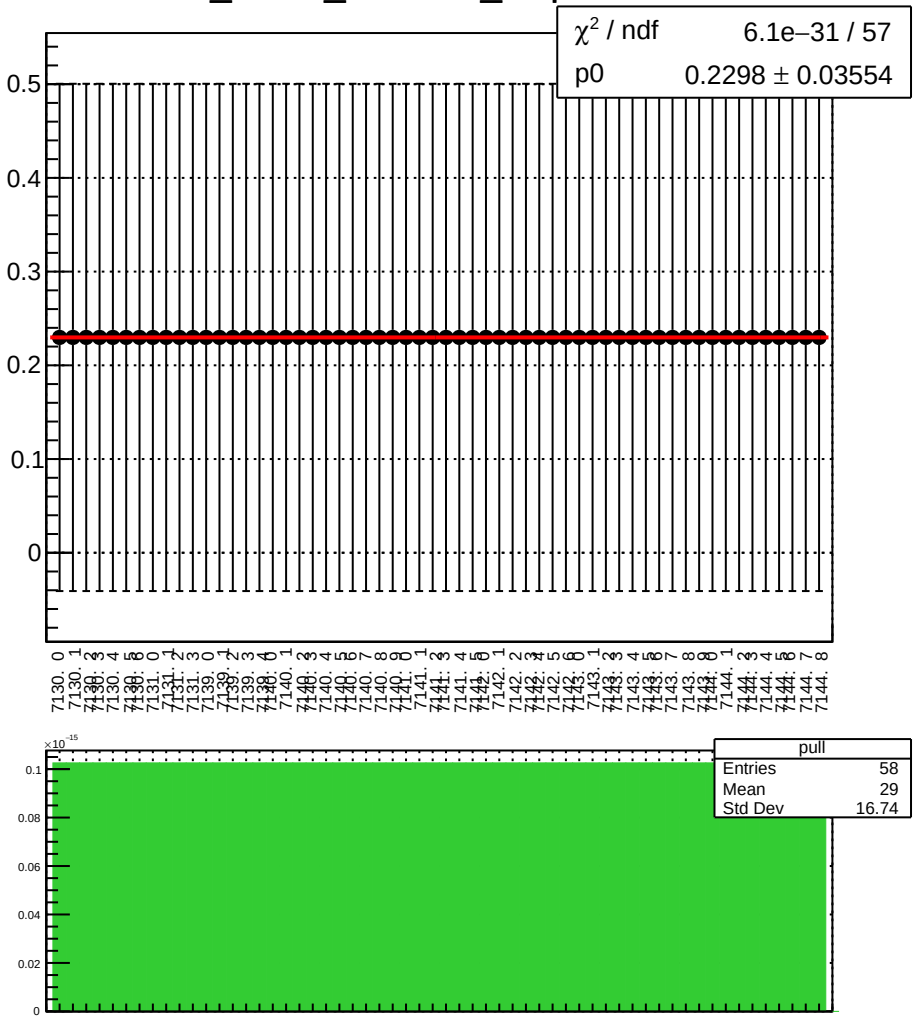

pull1D
Entries 58
Mean −2.168e−15
Std Dev 4.585e−23

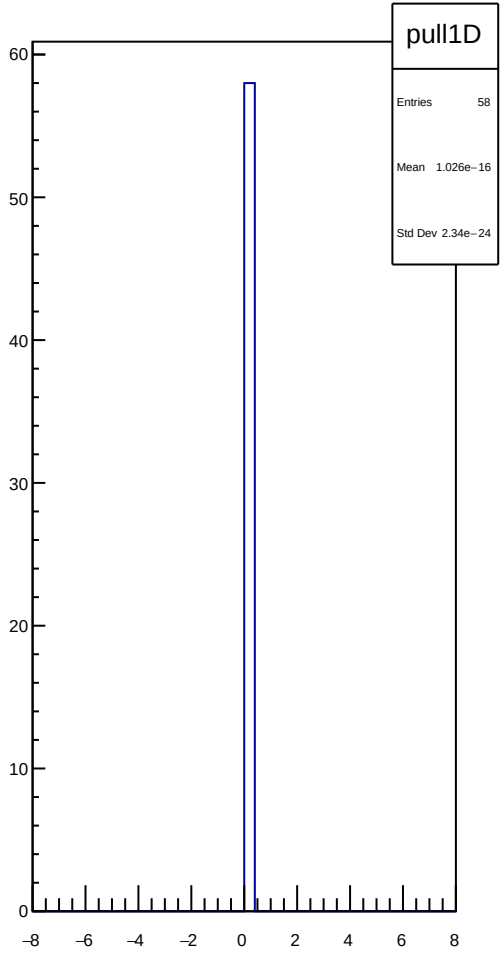
dit_sam6_4eX_slope vs run

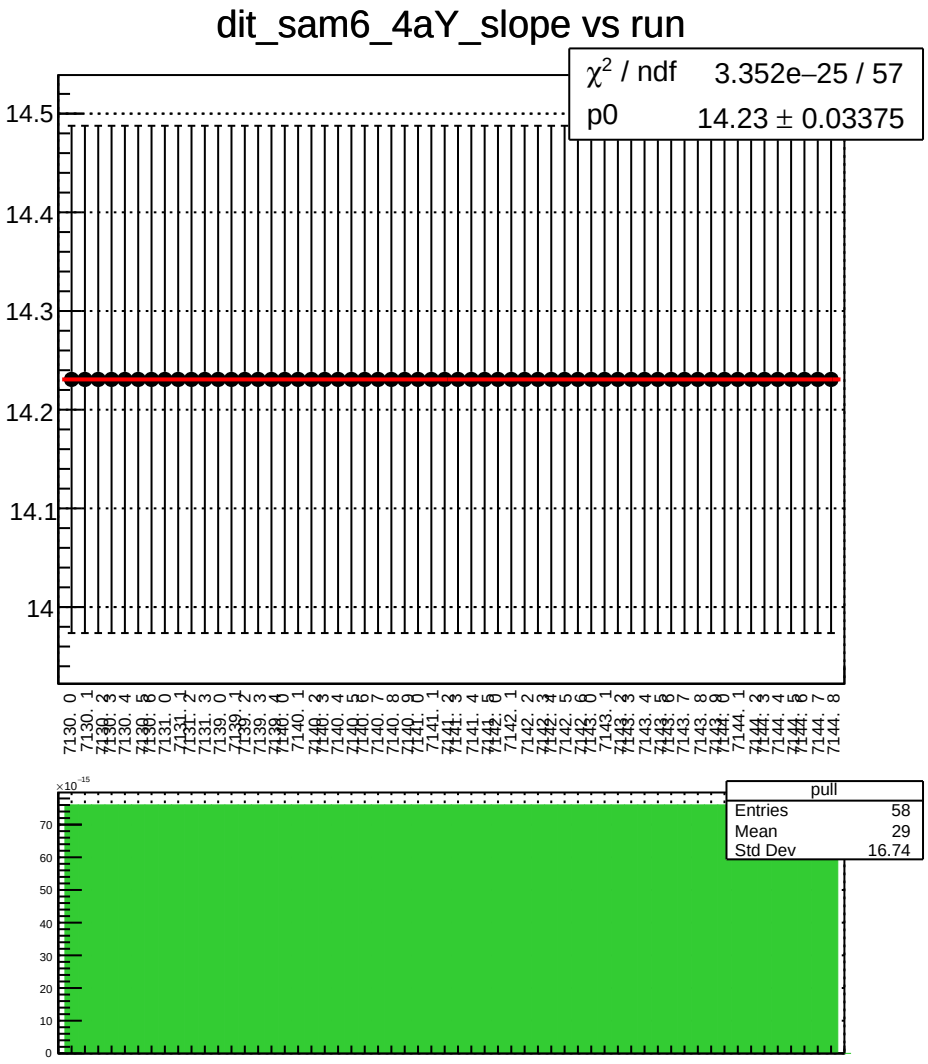


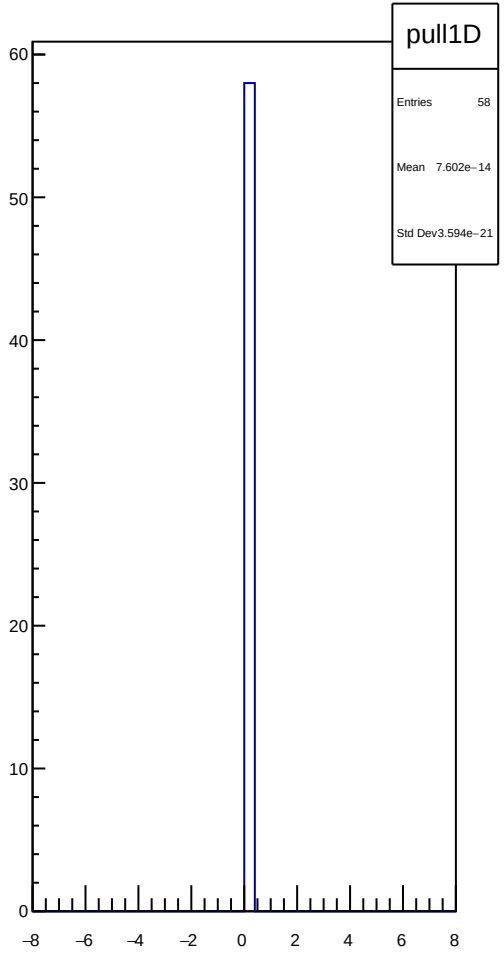


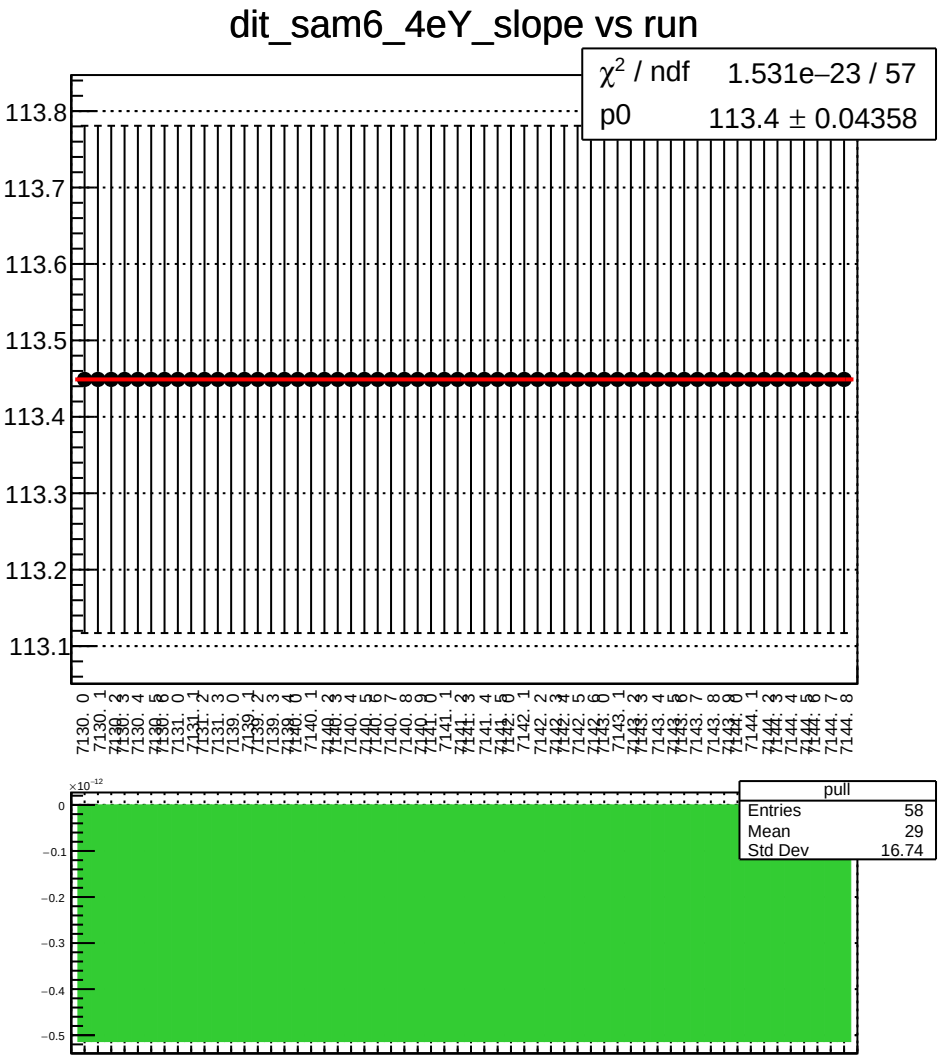
dit_sam6_11X12X_slope vs run

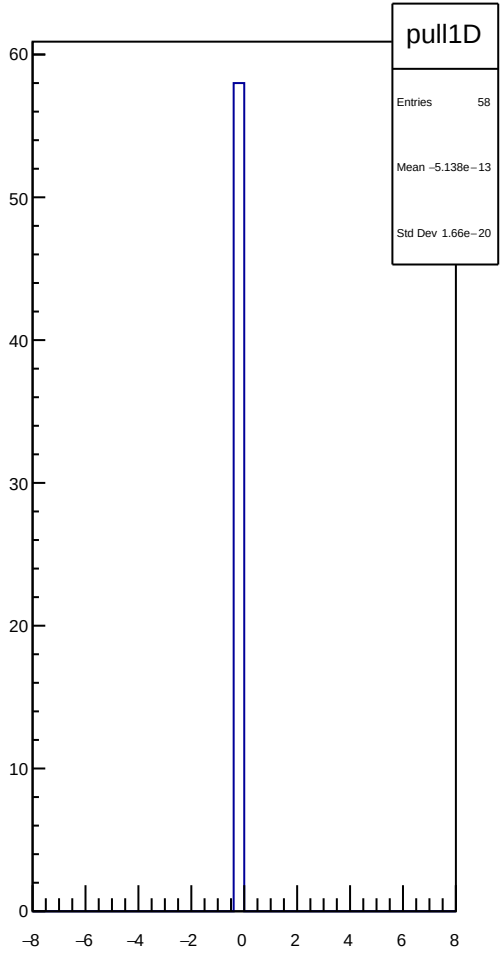




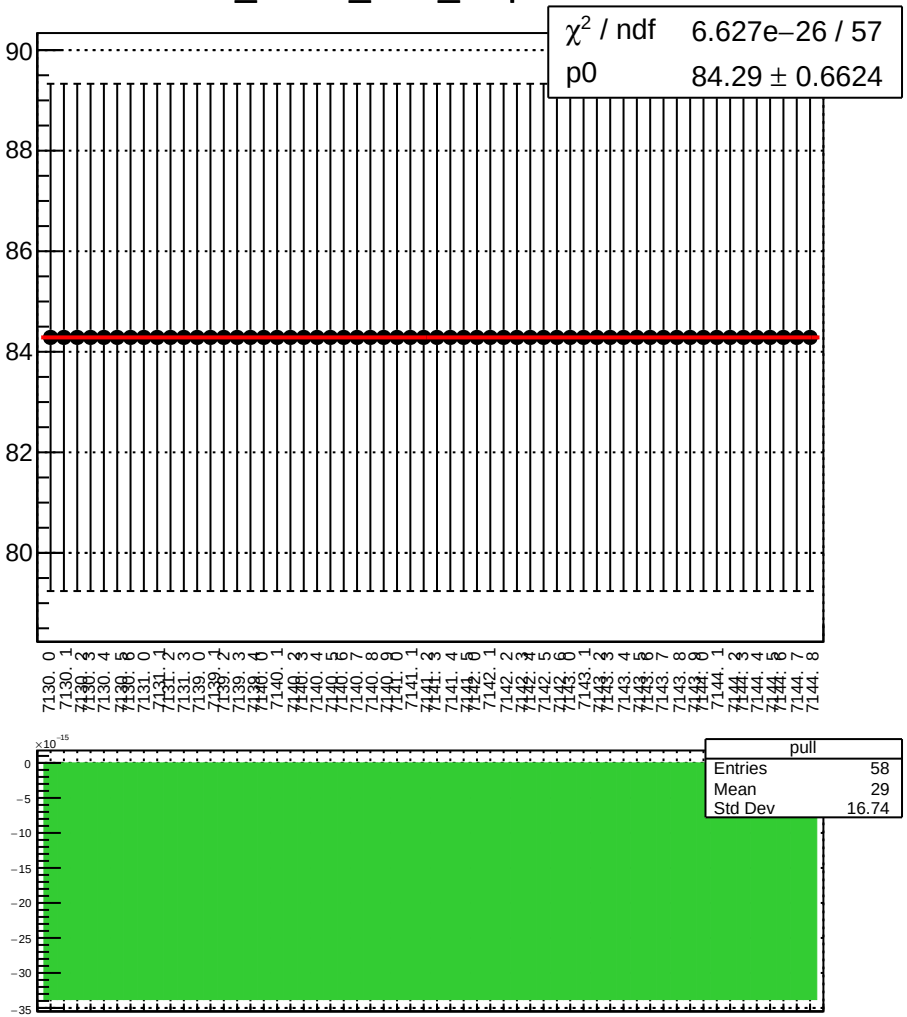

dit_sam6_4aY_slope vs run
χ^2 / ndf 3.352e−25 / 57
p0 14.23 ± 0.03375
14.5
14.4
14.3
14.2
14.1
14
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
70
60
50
40
30
20
10
0

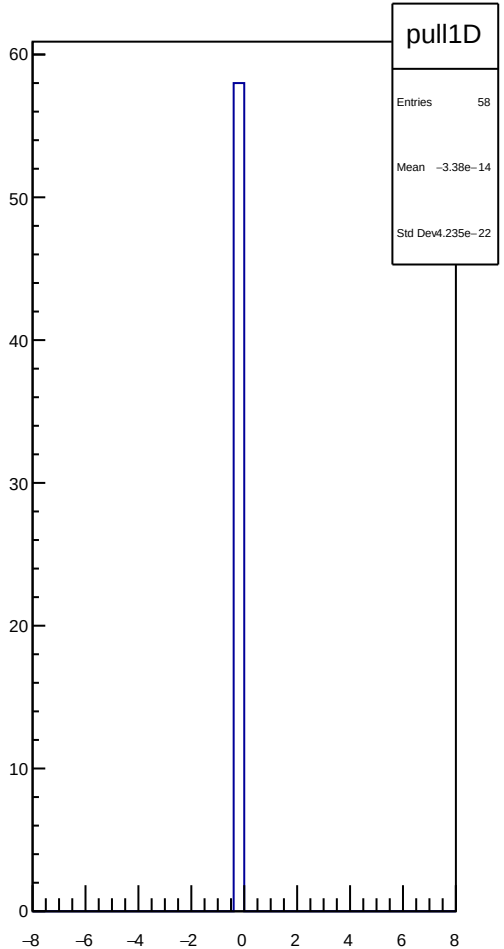

pull1D
Entries 58
Mean 7.602e−14
Std Dev3.594e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_4eY_slope vs run
χ^2 / ndf 1.531e−23 / 57
p0 113.4 ± 0.04358
113.8
113.7
113.6
113.5
113.4
113.3
113.2
113.1
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-12
0
−0.1
−0.2
−0.3
−0.4
−0.5

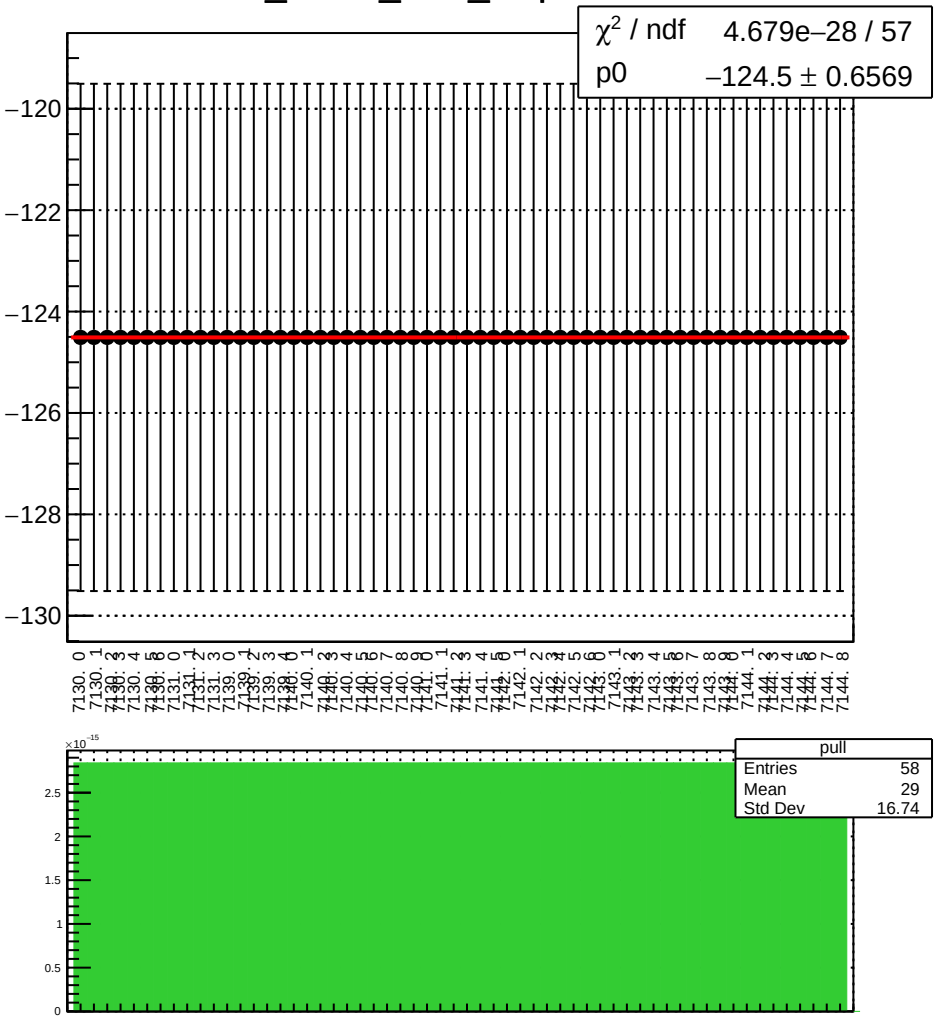

pull1D
Entries 58
Mean −5.138e−13
Std Dev 1.66e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

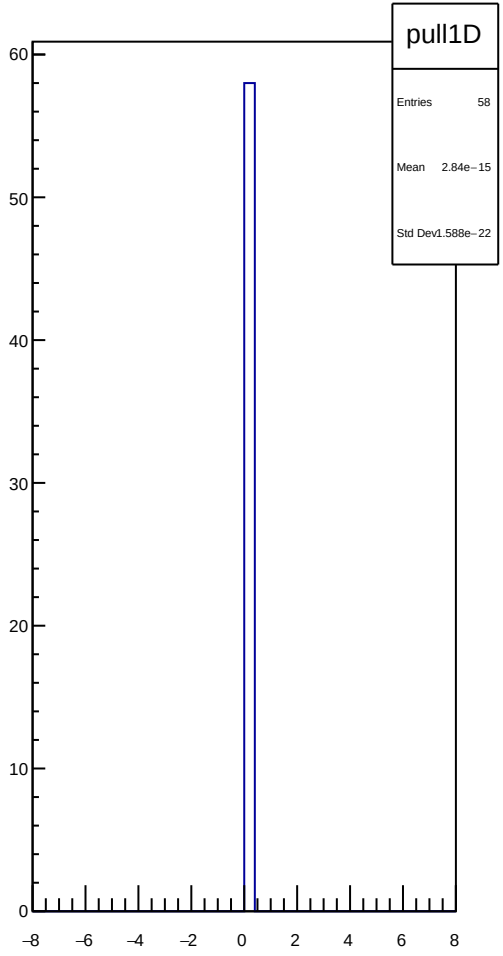
dit_sam7_4aX_slope vs run



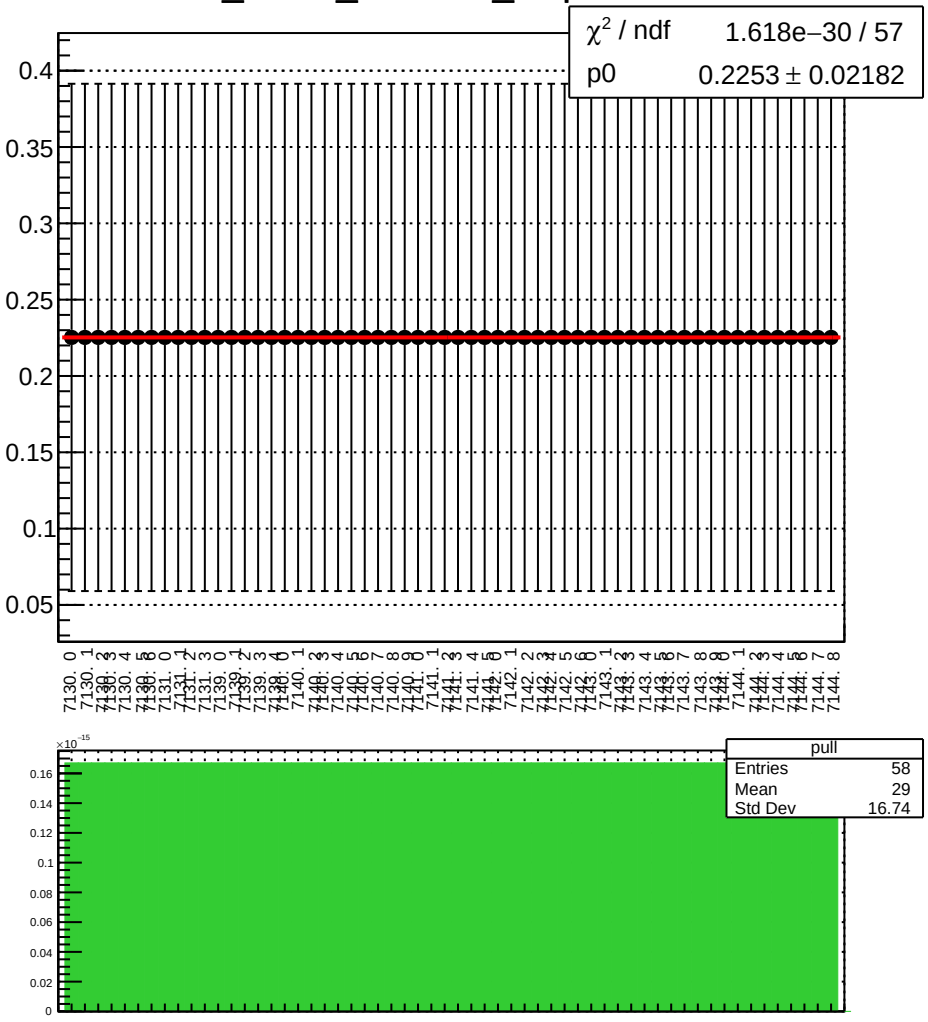


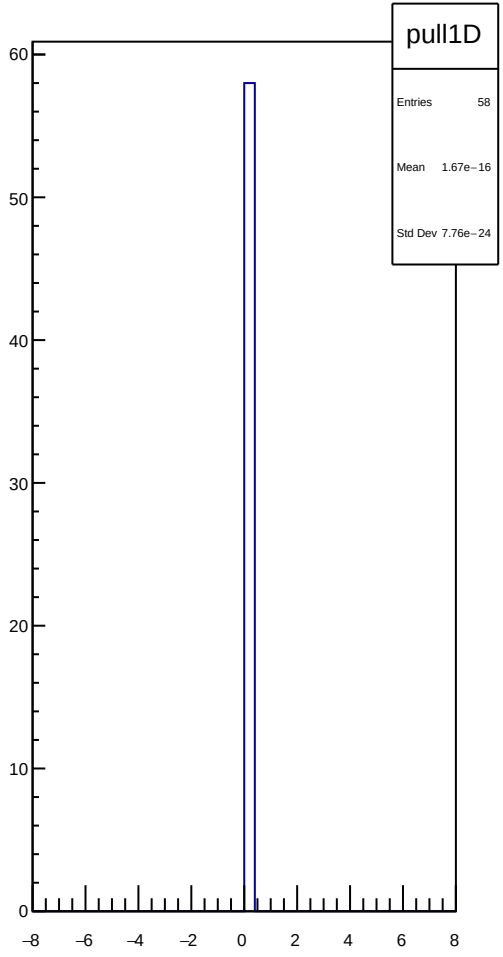
dit_sam7_4eX_slope vs run

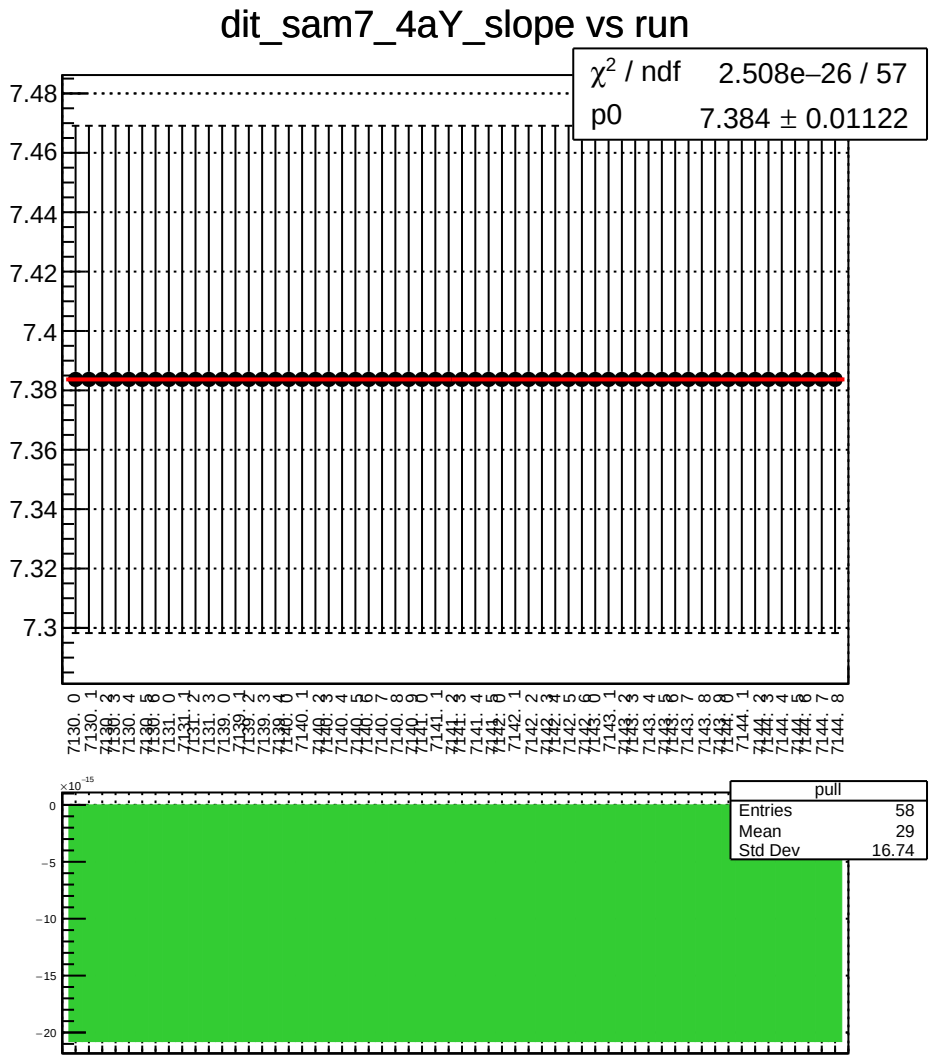


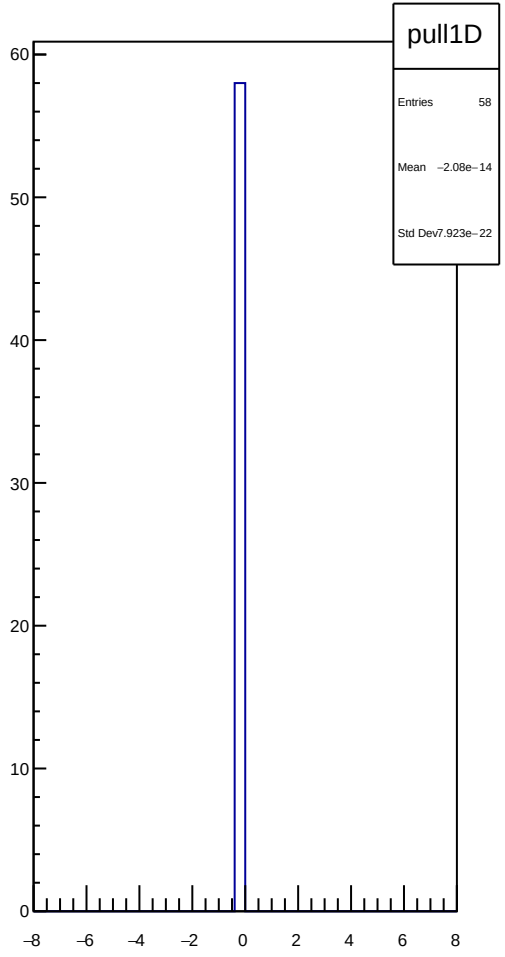


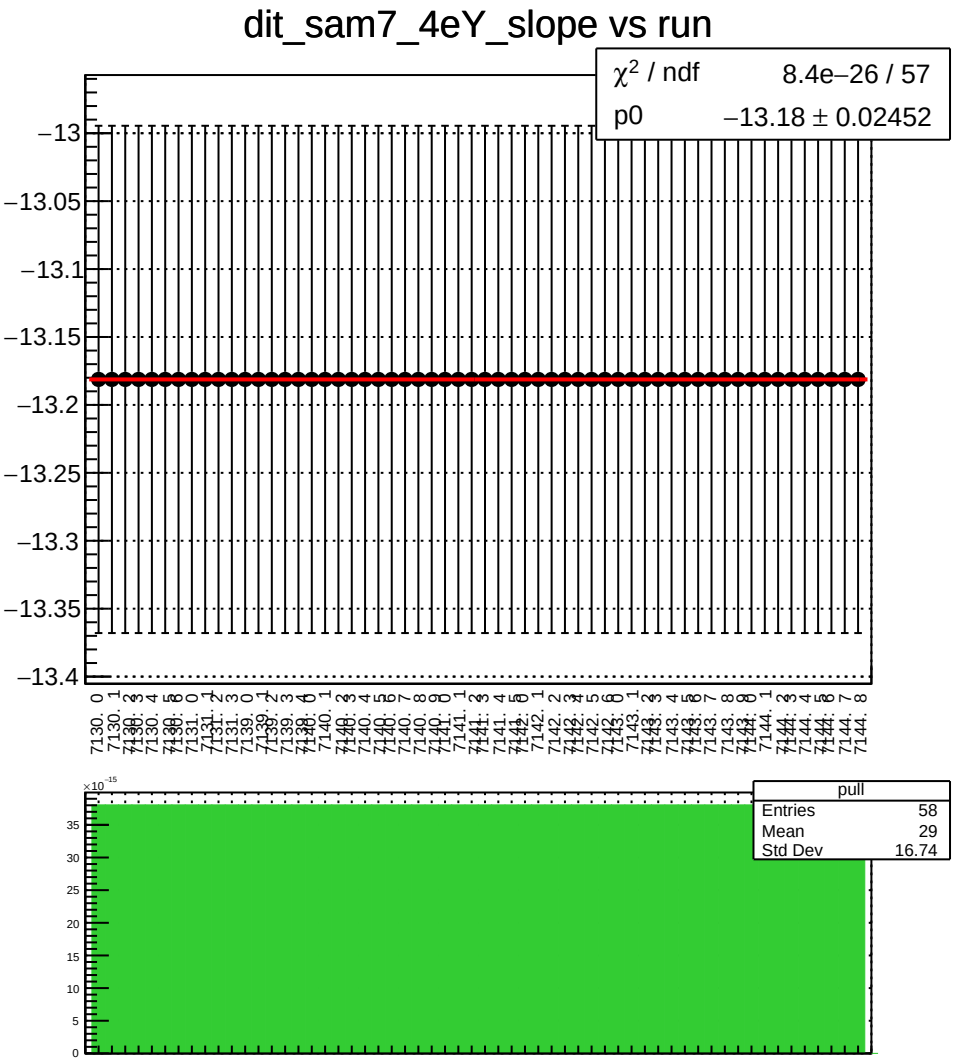
dit_sam7_11X12X_slope vs run

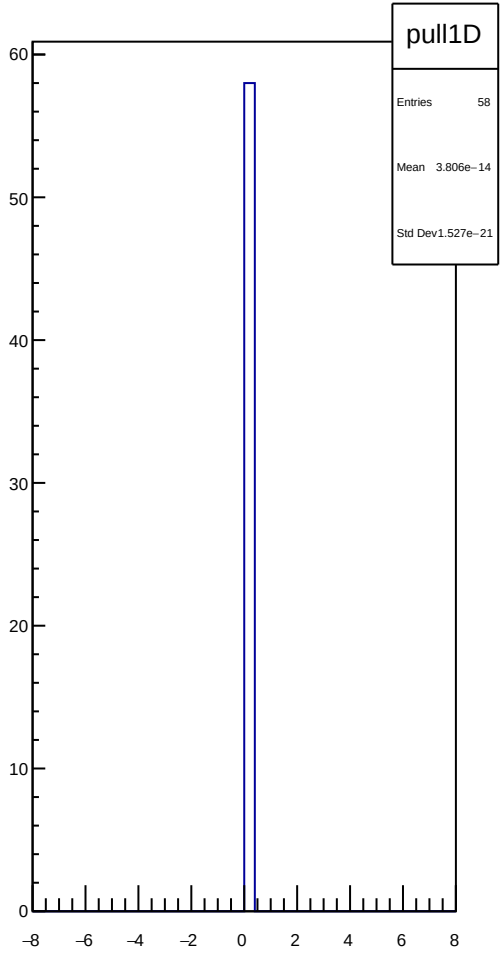


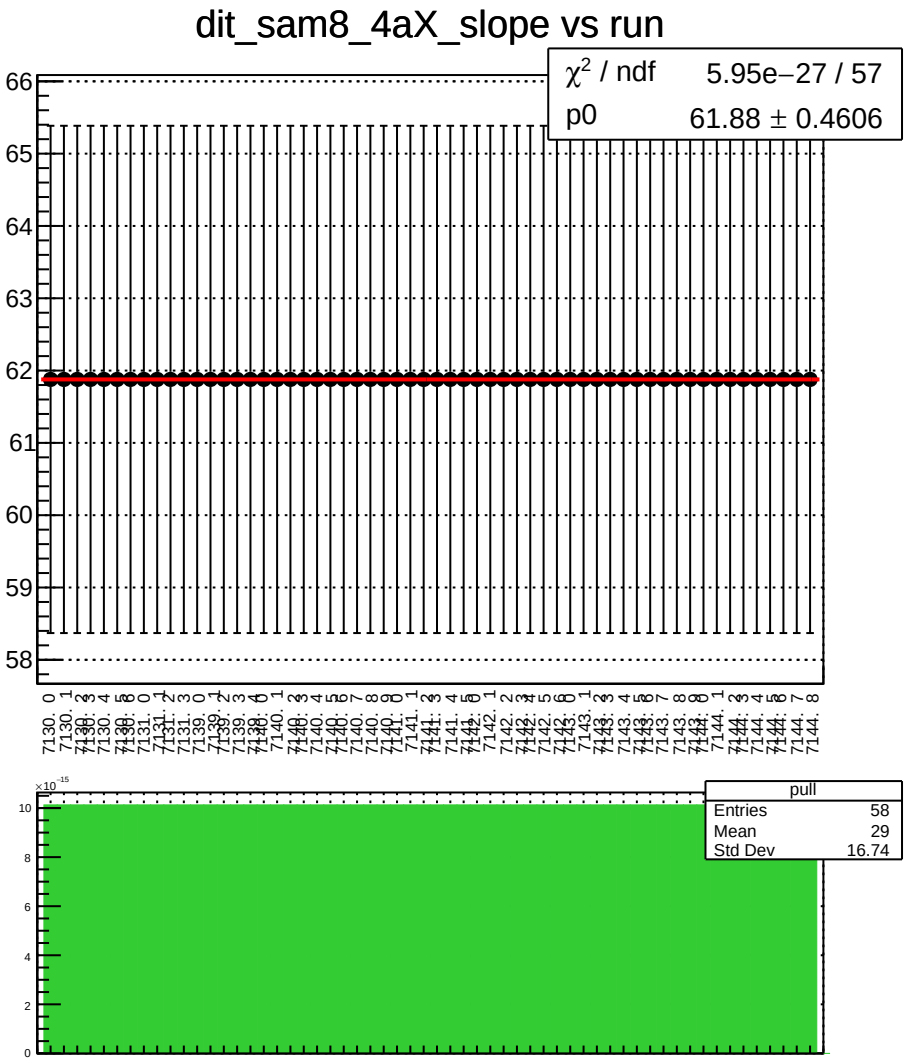


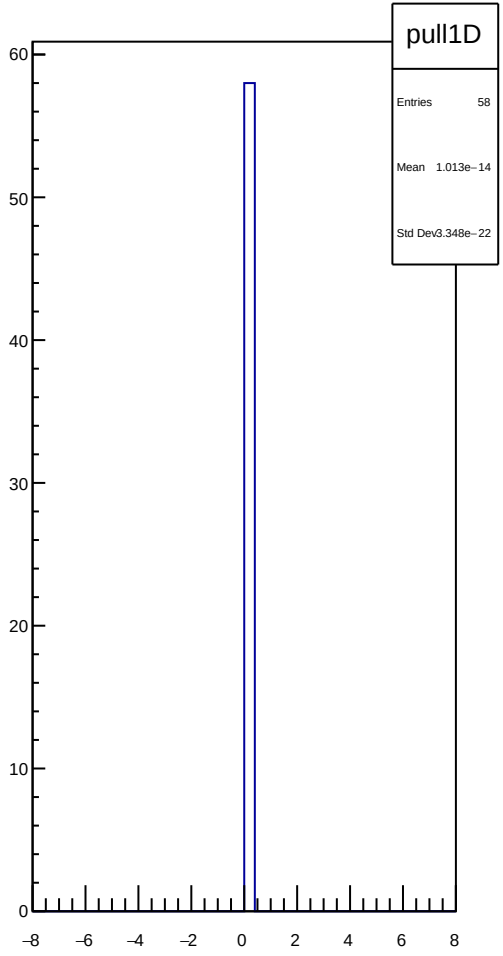

dit_sam7_4aY_slope vs run
χ^2 / ndf 2.508e−26 / 57
p0 7.384 ± 0.01122
7.48
7.46
7.44
7.42
7.4
7.38
7.36
7.34
7.32
7.3
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
0
−5
−10
−15
−20


pull1D
Entries 58
Mean −2.08e−14
Std Dev7.923e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

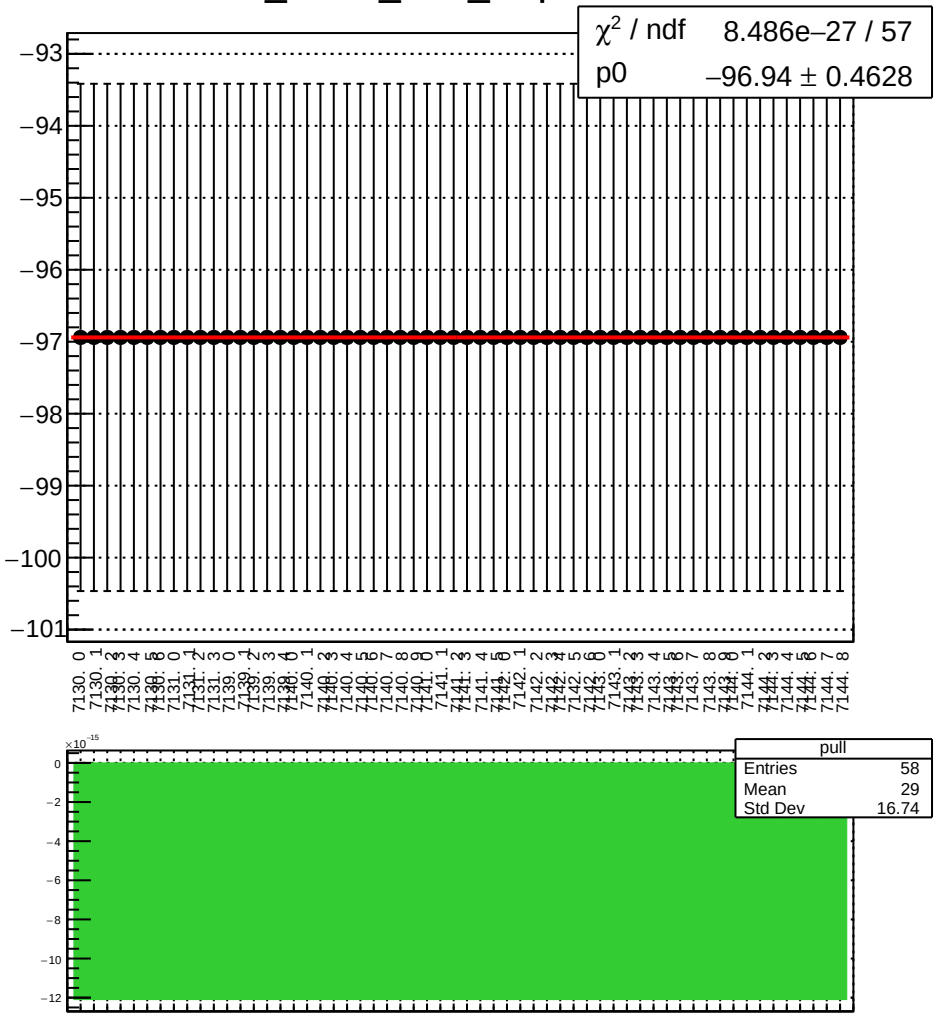

dit_sam7_4eY_slope vs run
χ² / ndf 8.4e−26 / 57
p0 −13.18 ± 0.02452
−13
−13.05
−13.1
−13.15
−13.2
−13.25
−13.3
−13.35
−13.4
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
35
30
25
20
15
10
5
0

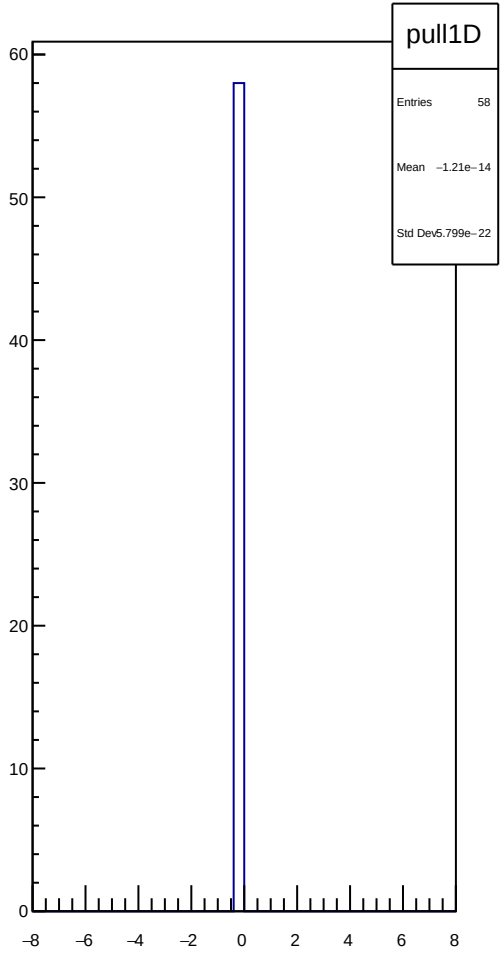

pull1D
Entries 58
Mean 3.806e−14
Std Dev 1.527e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aX_slope vs run
χ² / ndf 5.95e−27 / 57
p0 61.88 ± 0.4606
pull
Entries 58
Mean 29
Std Dev 16.74

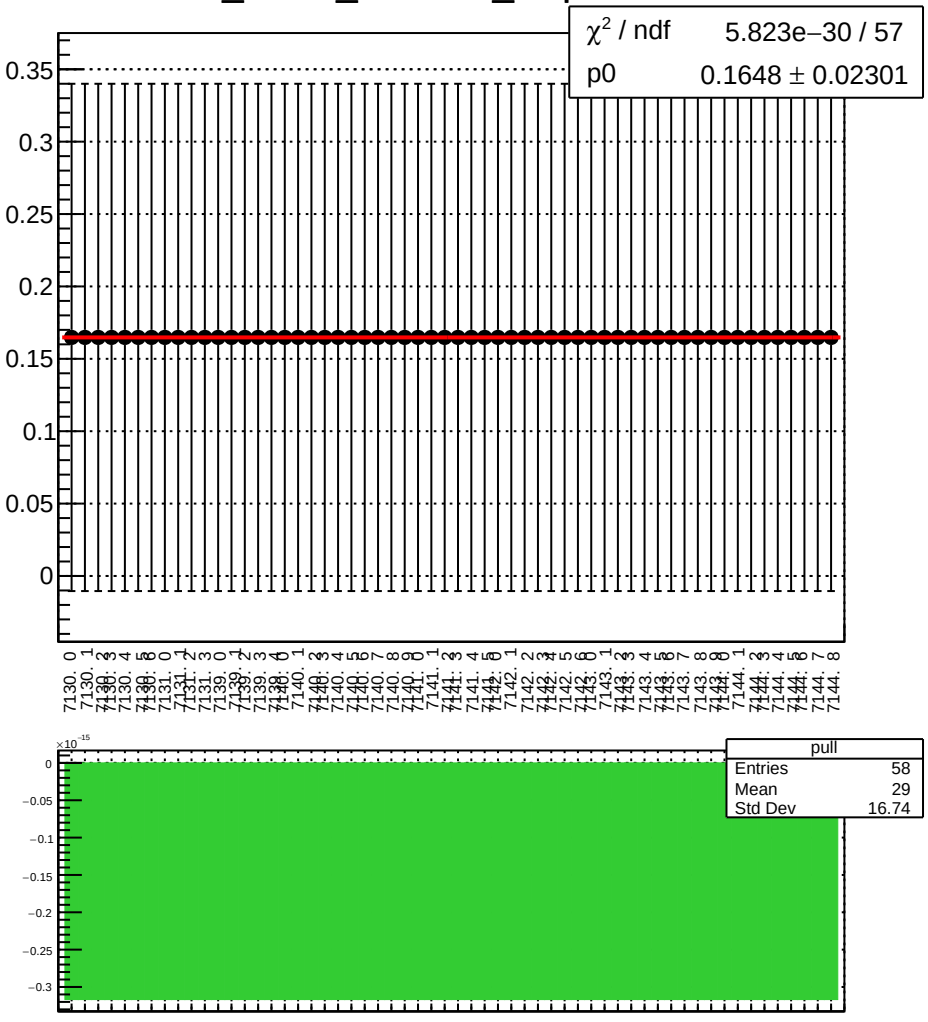

pull1D
Entries 58
Mean 1.013e−14
Std Dev 3.348e−22

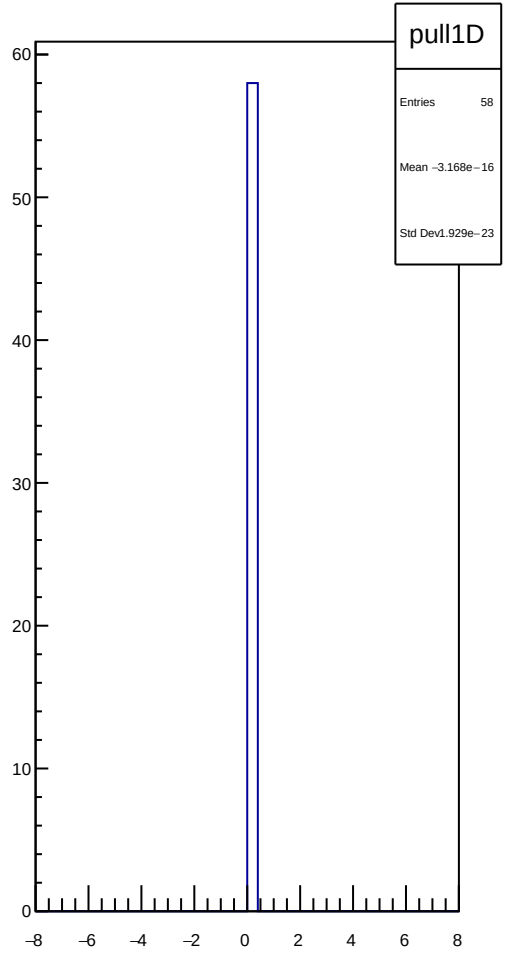
dit_sam8_4eX_slope vs run



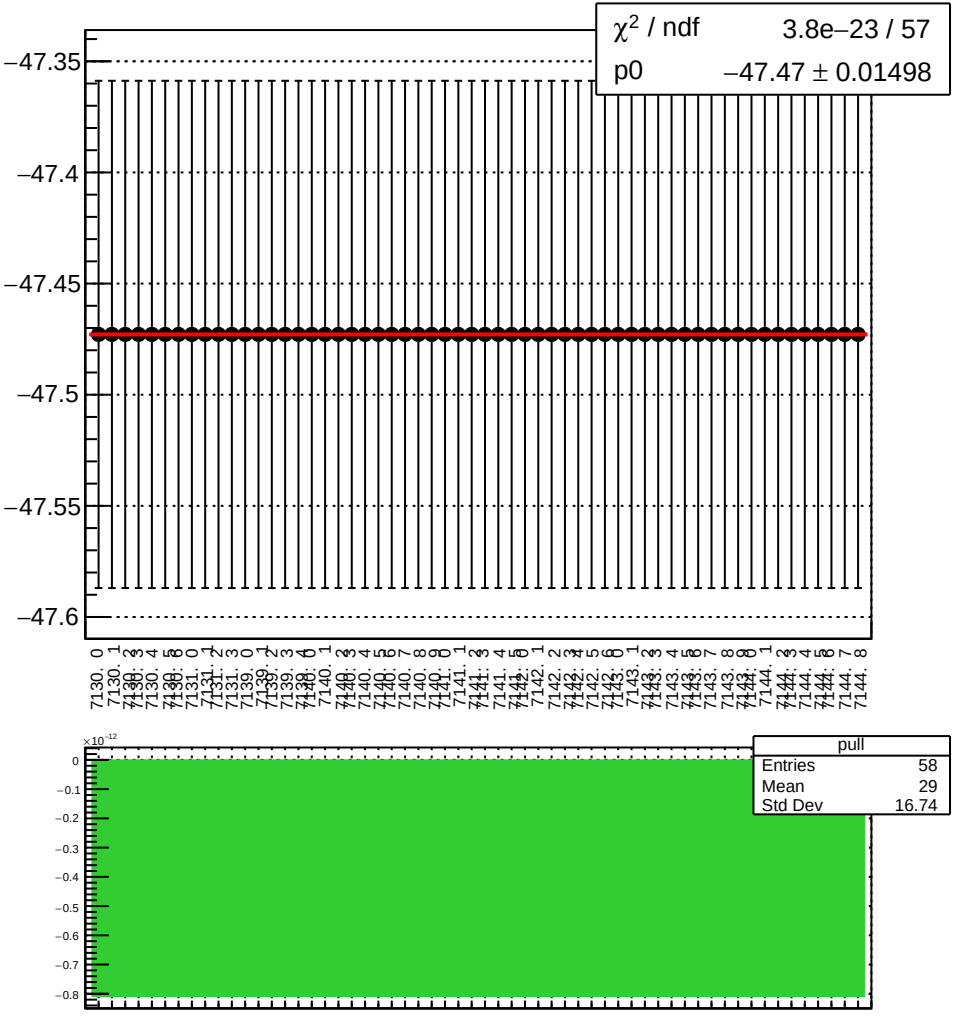


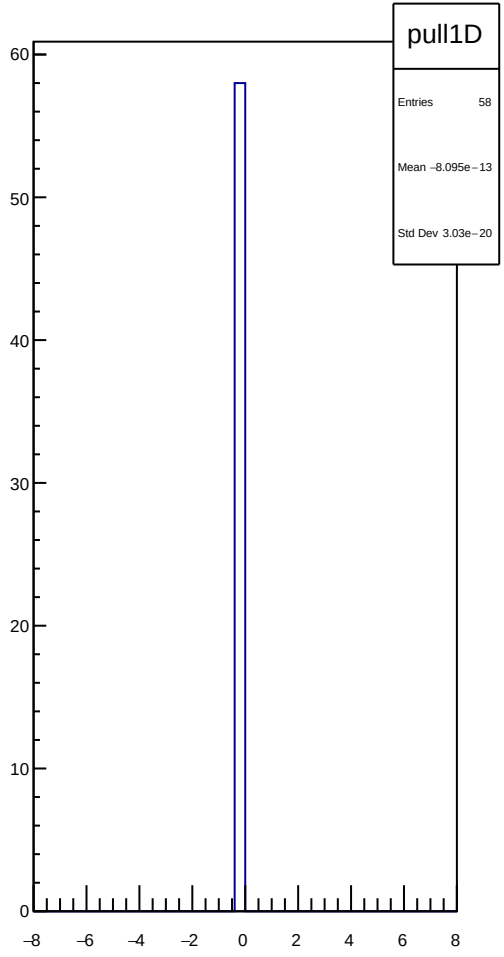
dit_sam8_11X12X_slope vs run

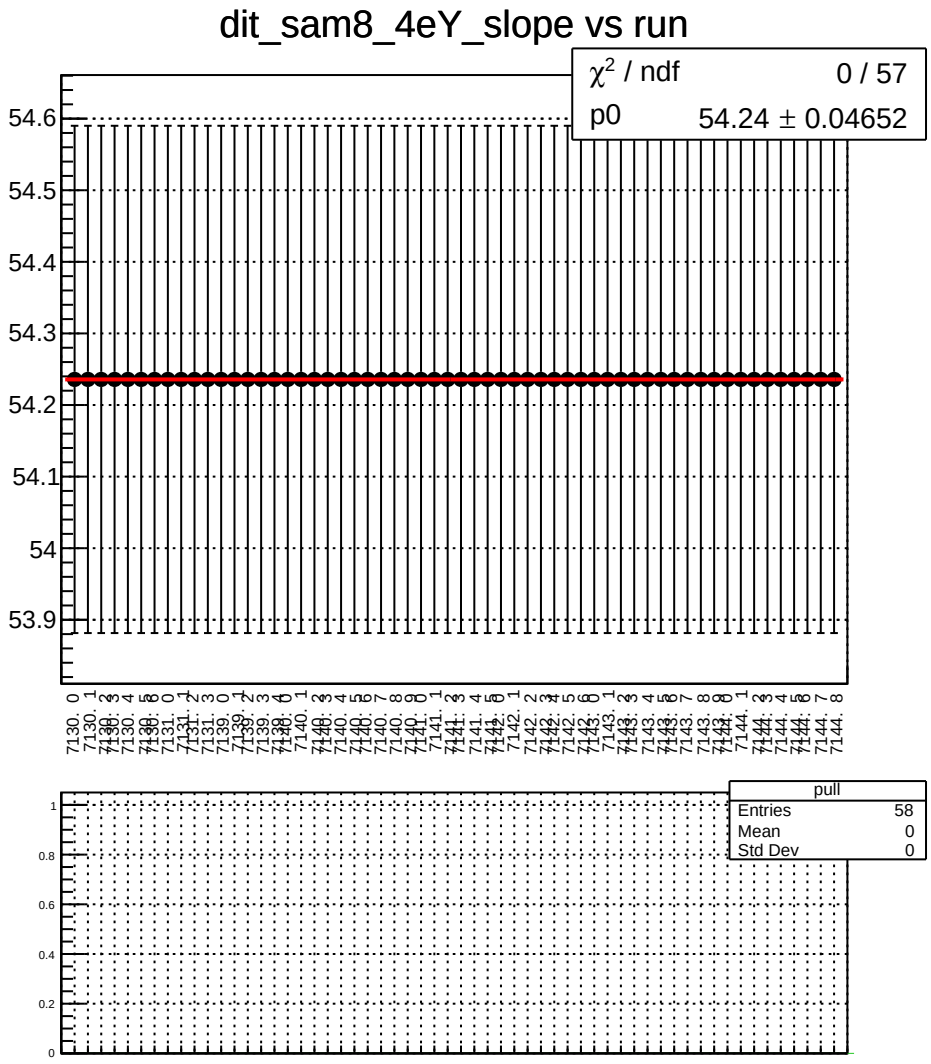


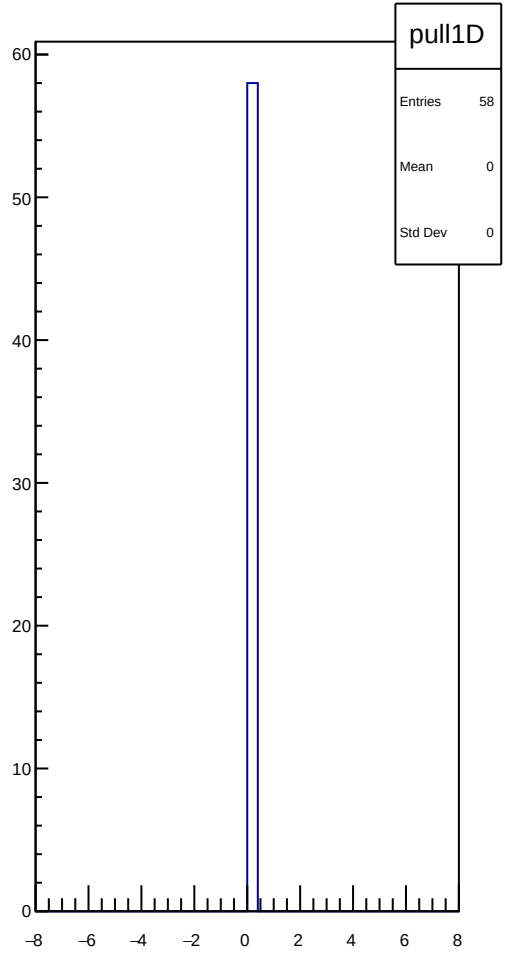


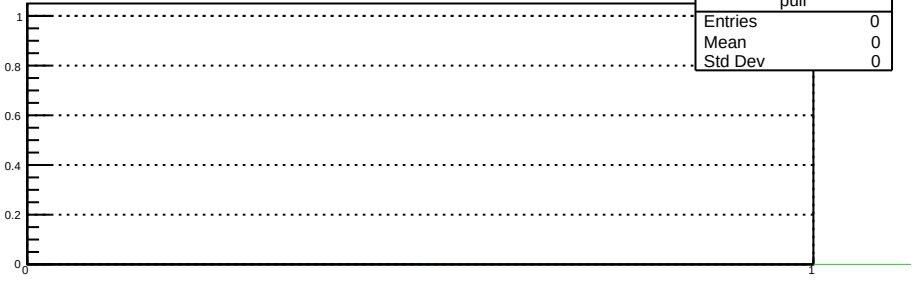
dit_sam8_4aY_slope vs run

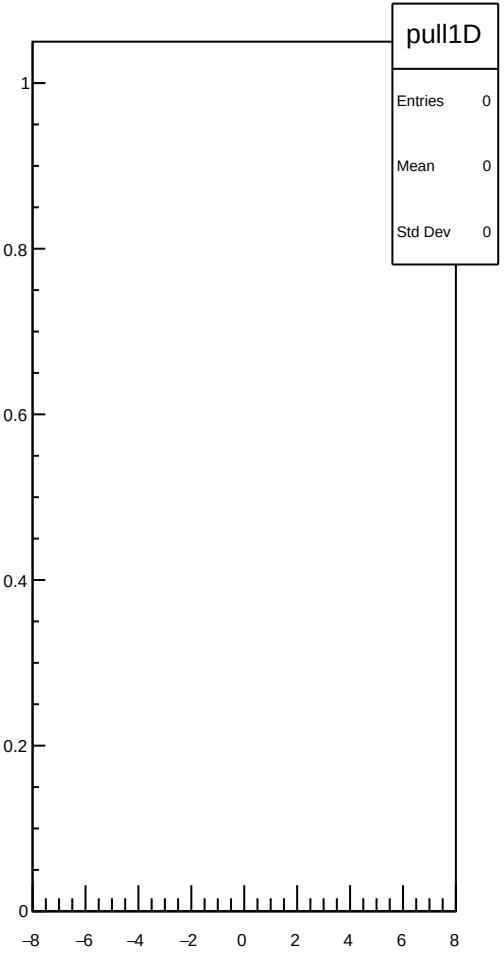


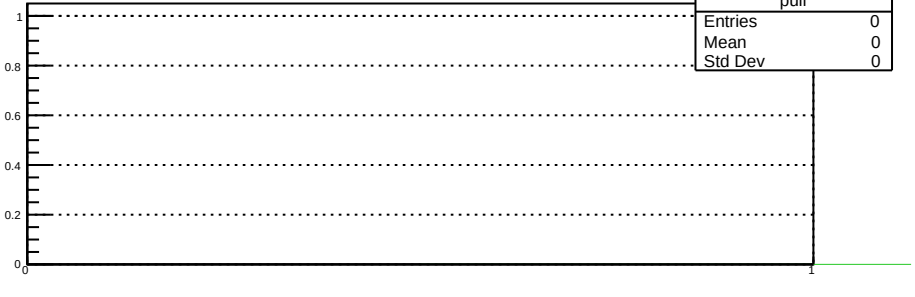


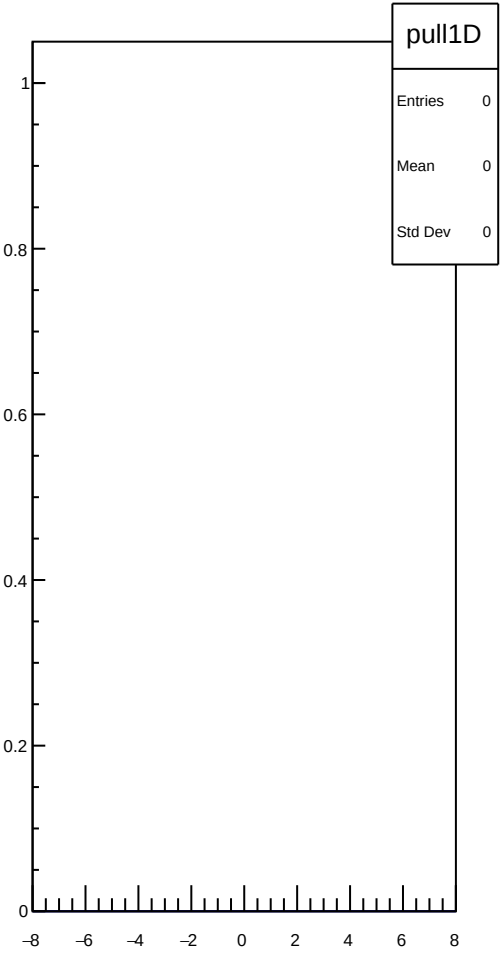

dit_sam8_4eY_slope vs run
χ^2 / ndf 0 / 57
p0 54.24 ± 0.04652
54.6
54.5
54.4
54.3
54.2
54.1
54
53.9
pull
Entries 58
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

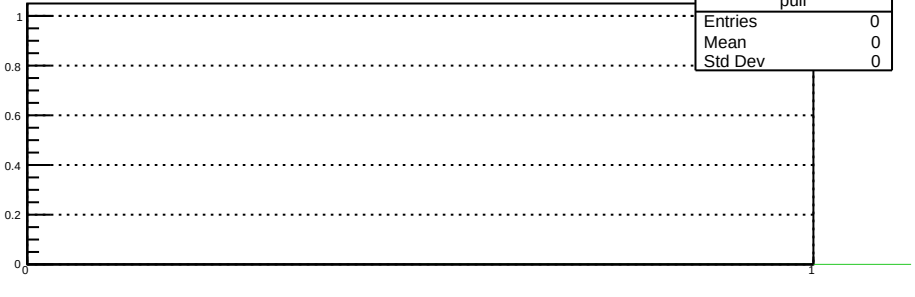

pull1D
Entries 58
Mean 0
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

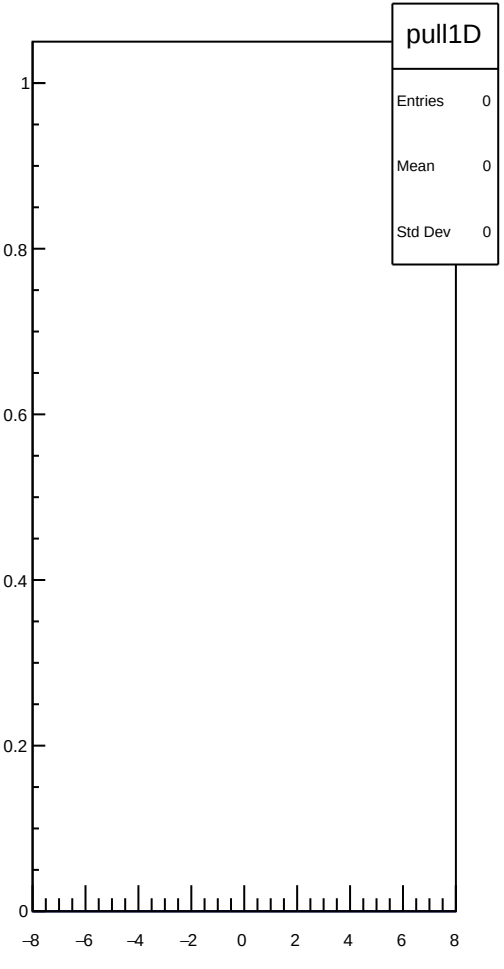

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

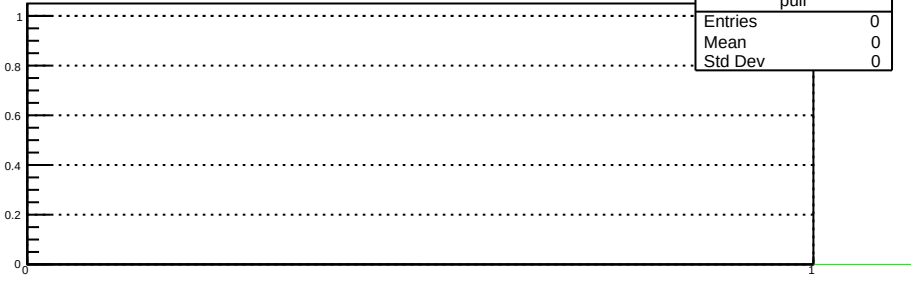

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

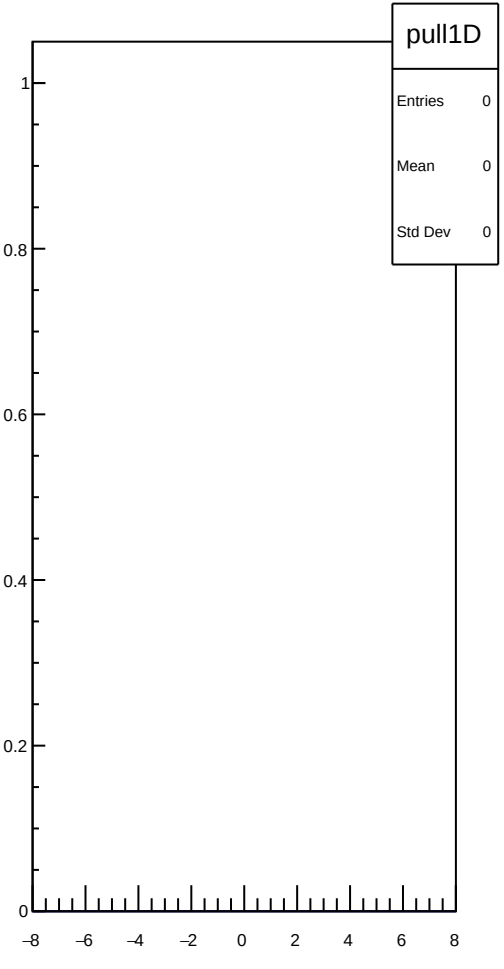

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

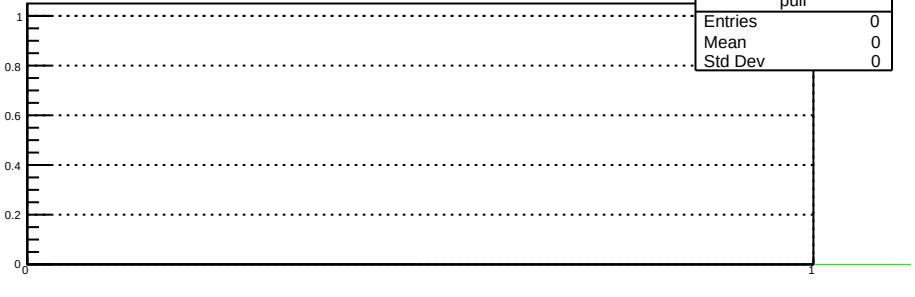

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

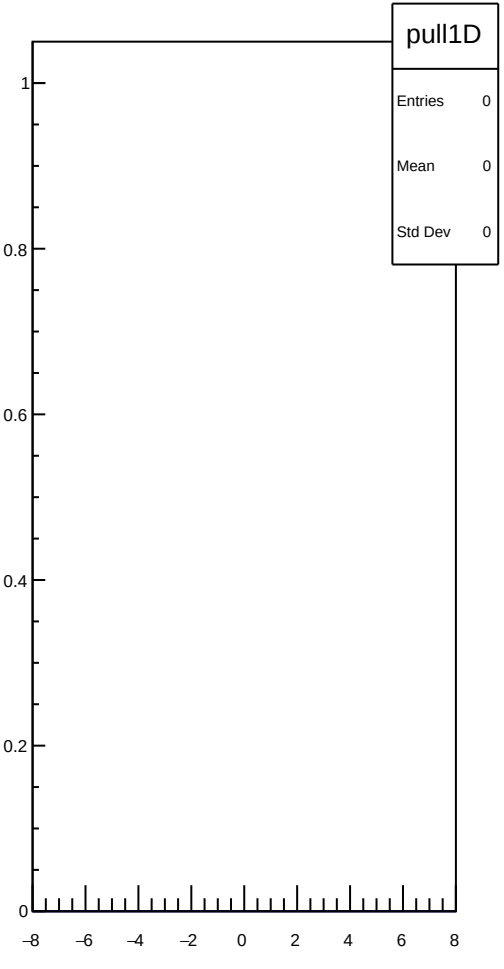

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

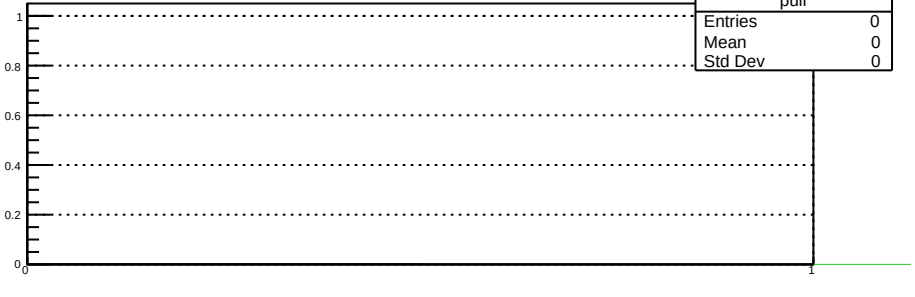

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

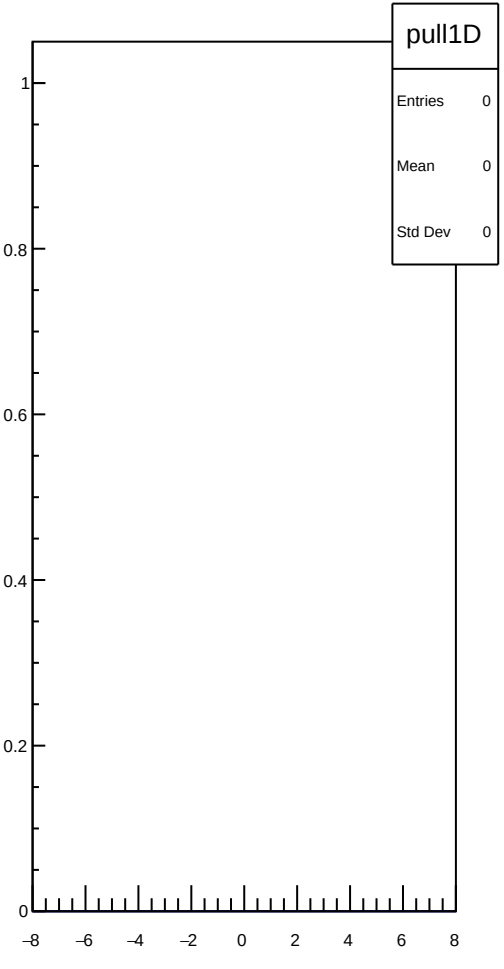

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

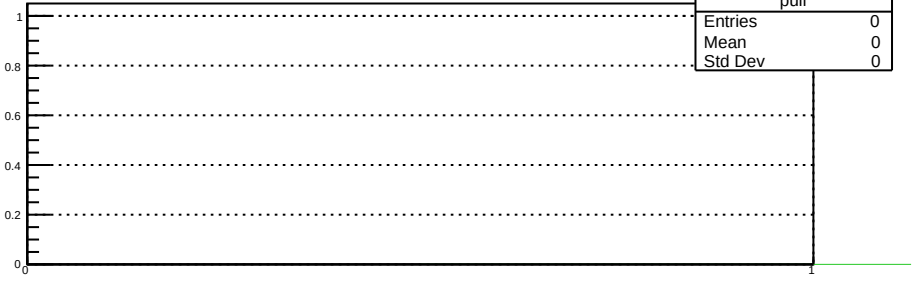

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

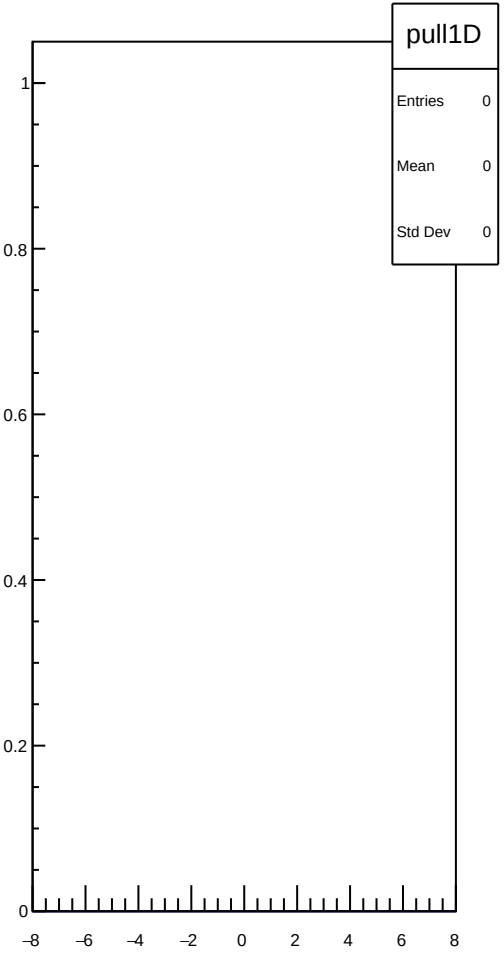

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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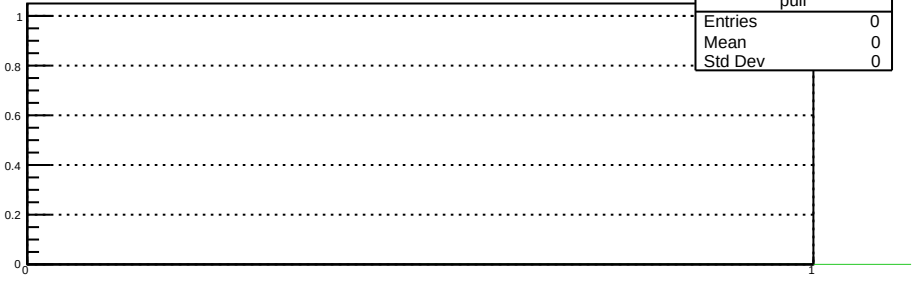
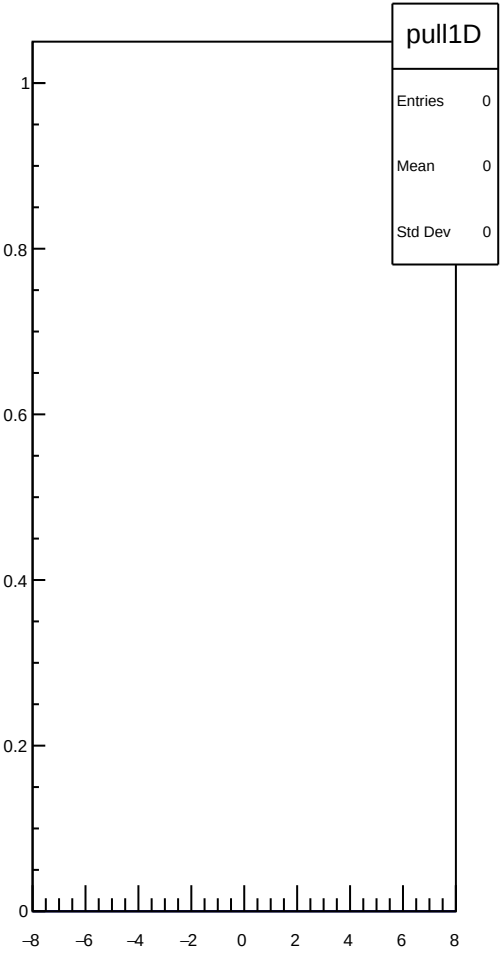
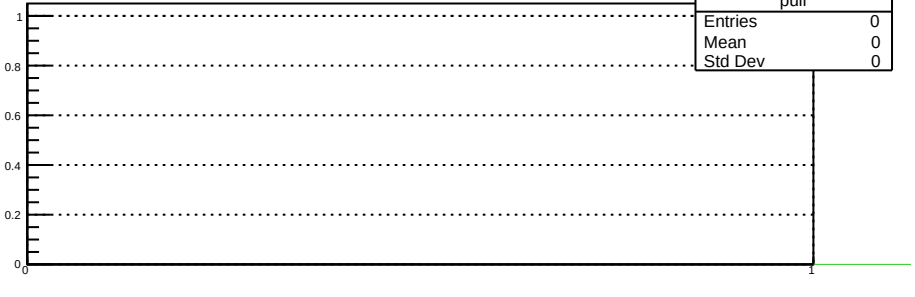
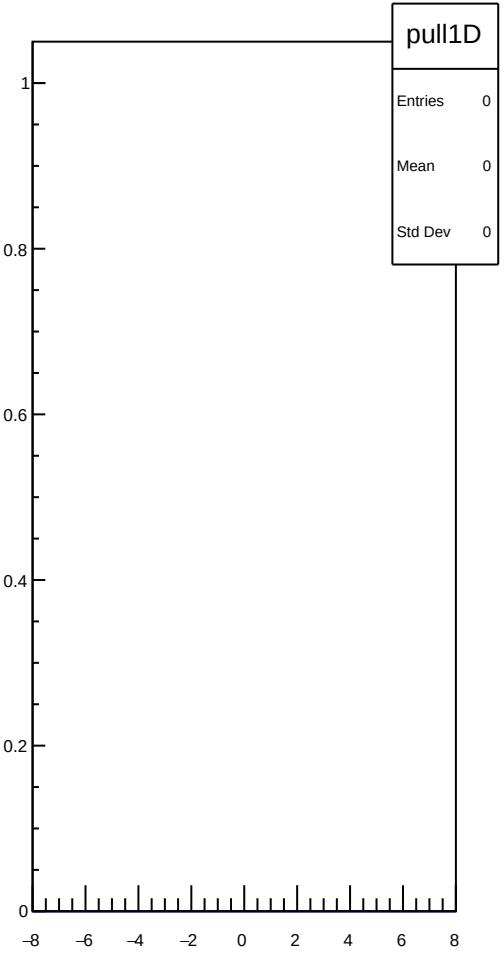
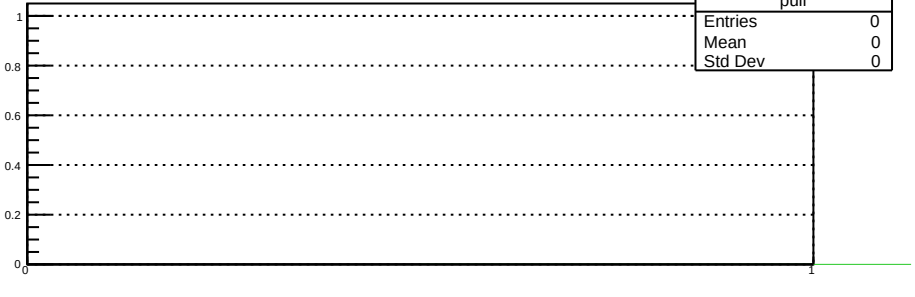
2
4
6
8

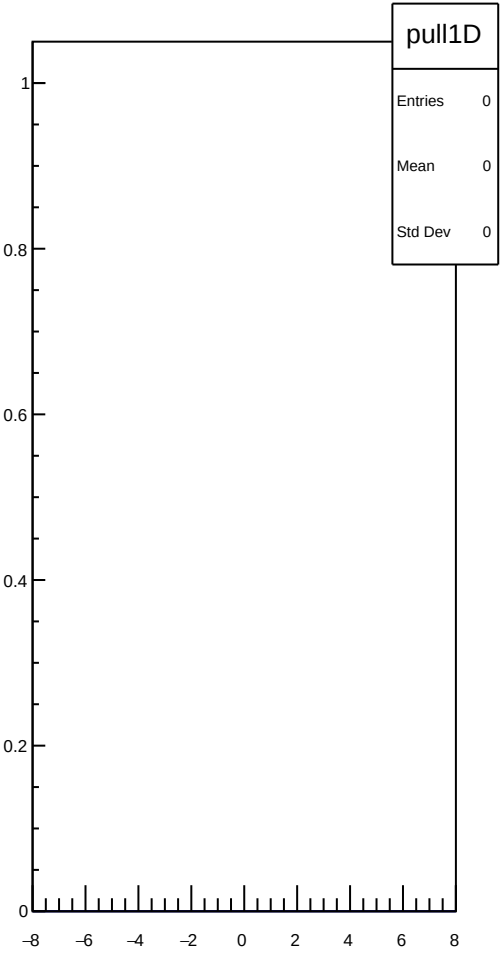

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

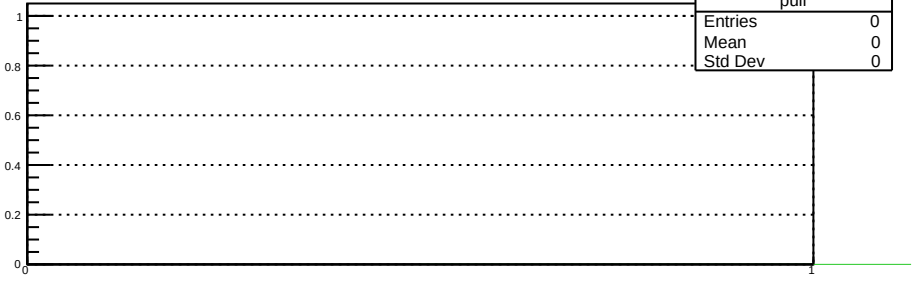

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

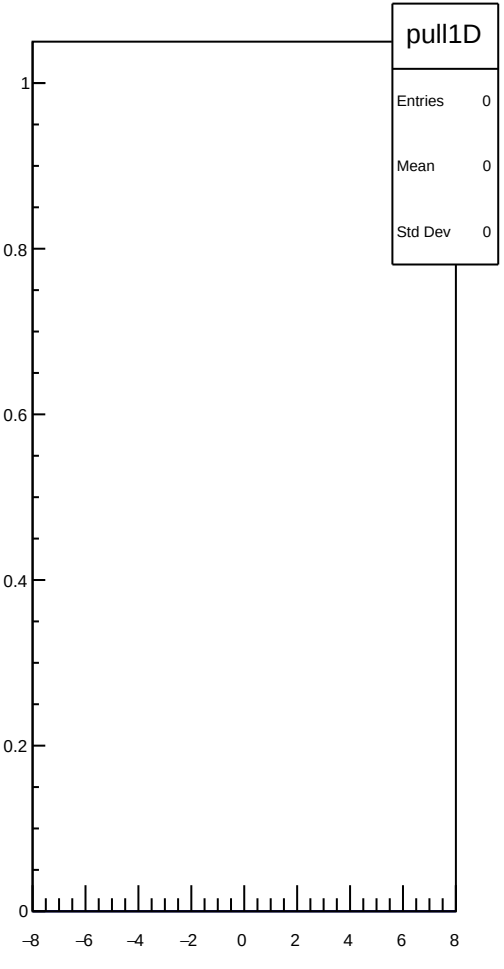

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
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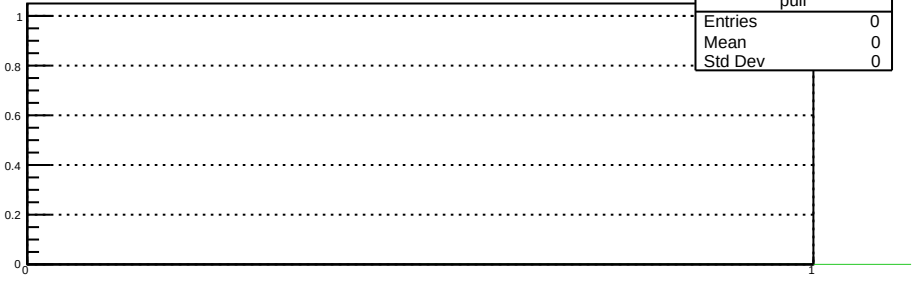
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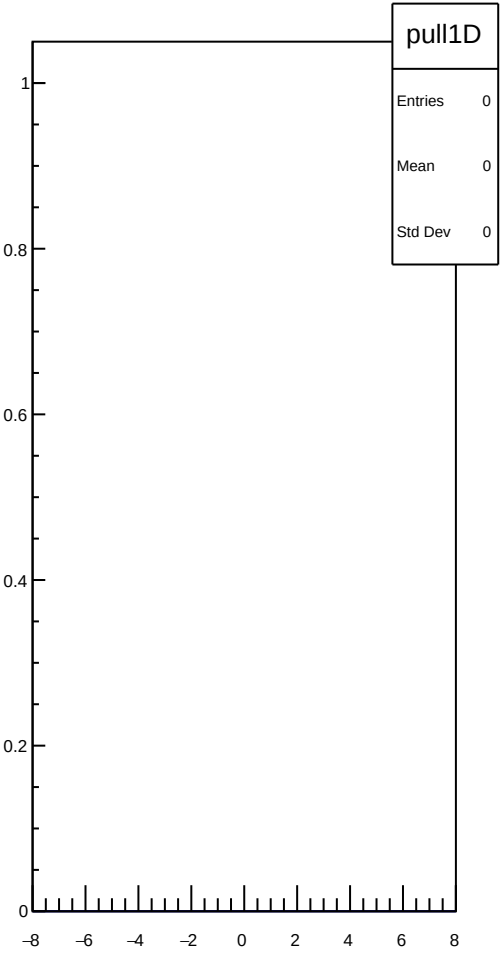
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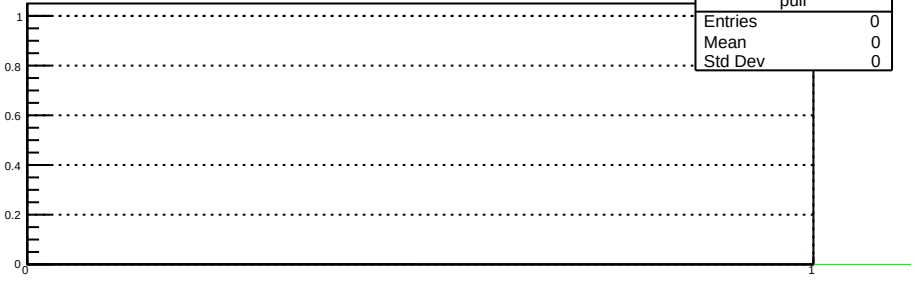
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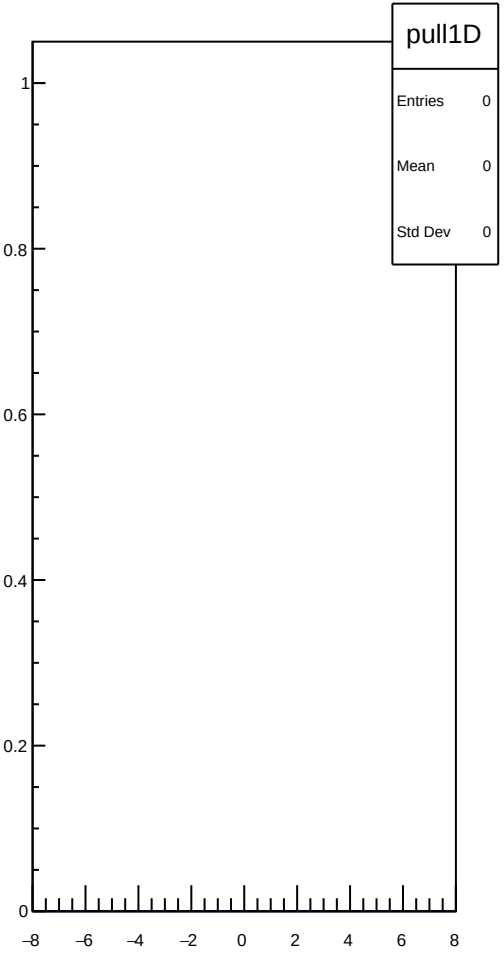
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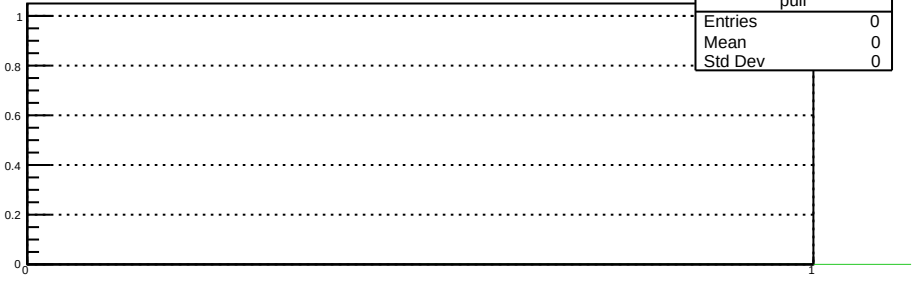
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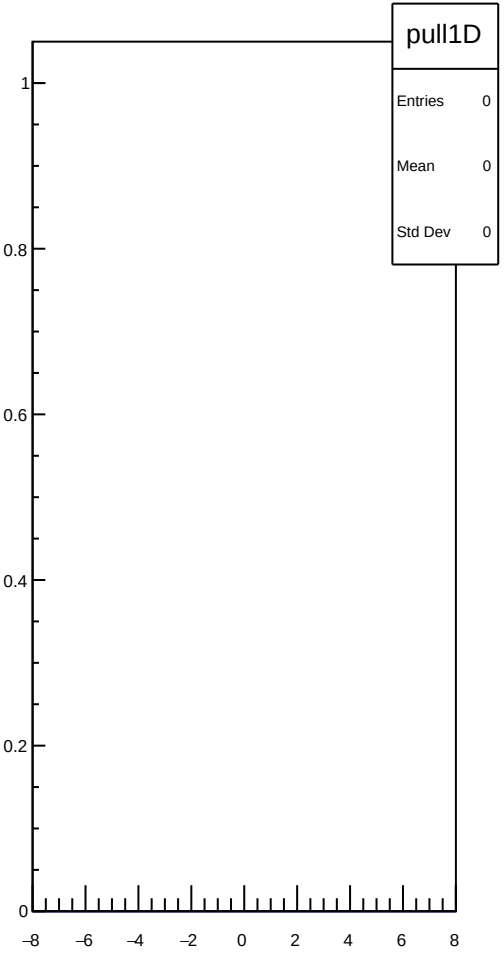
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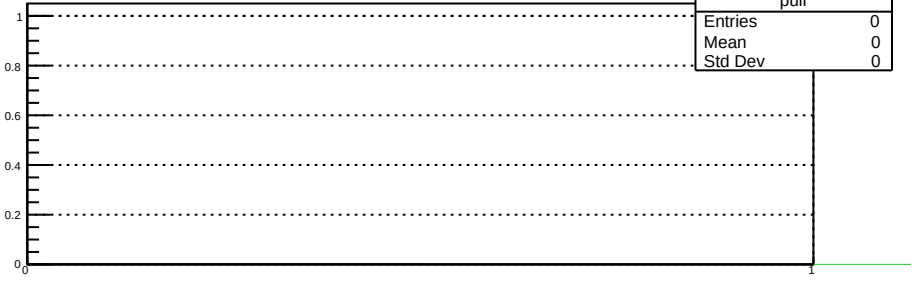
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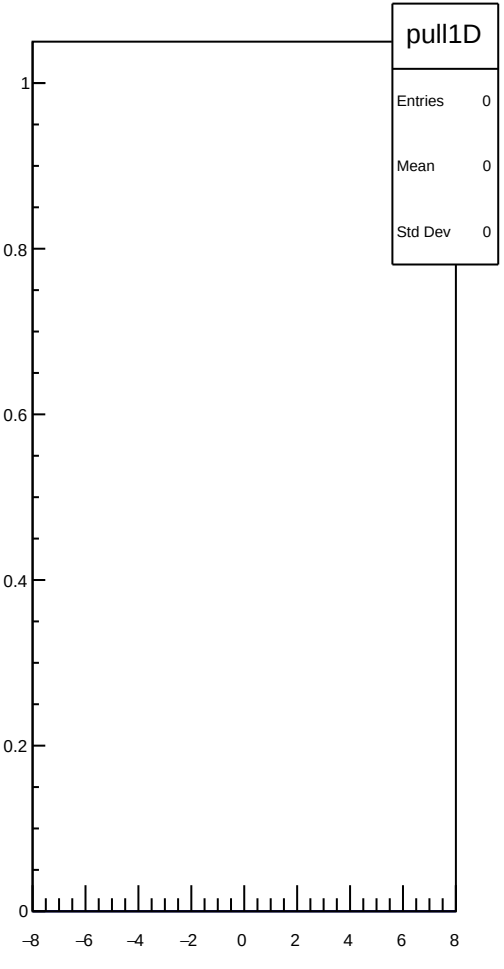
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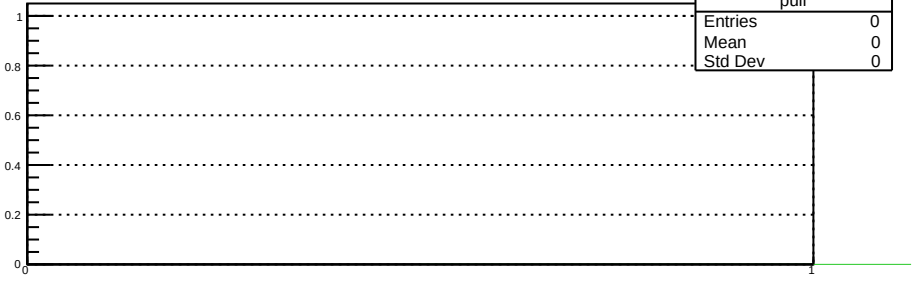
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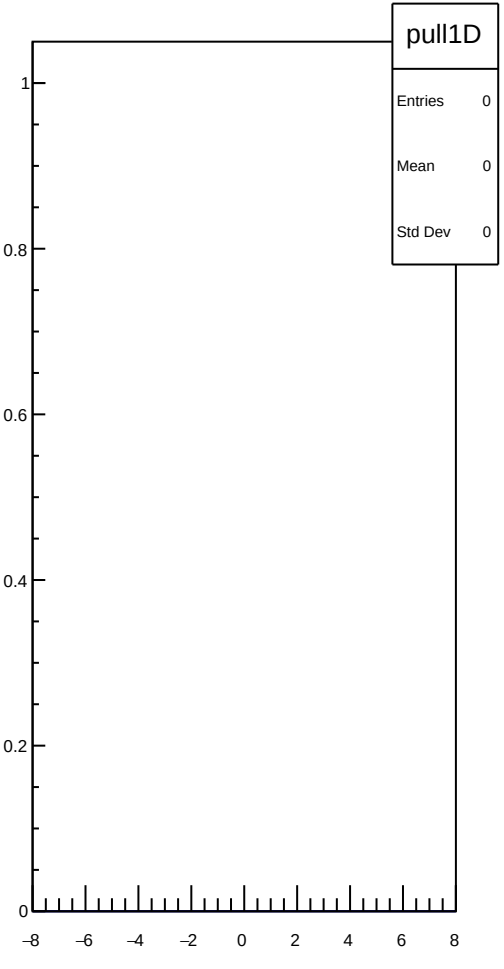
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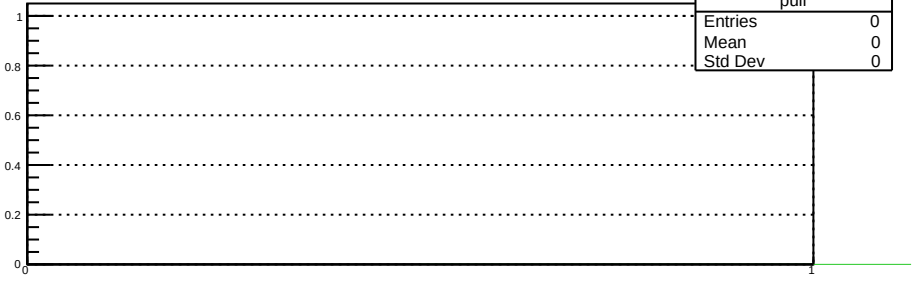
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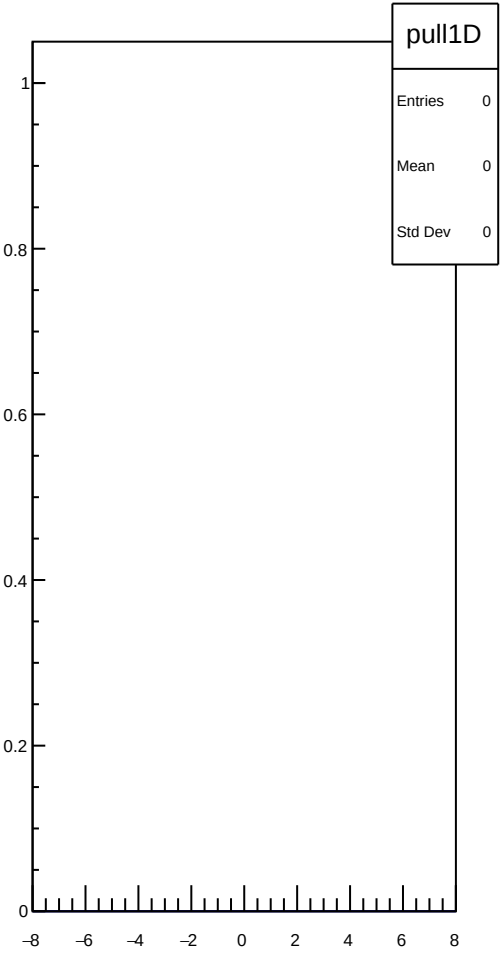
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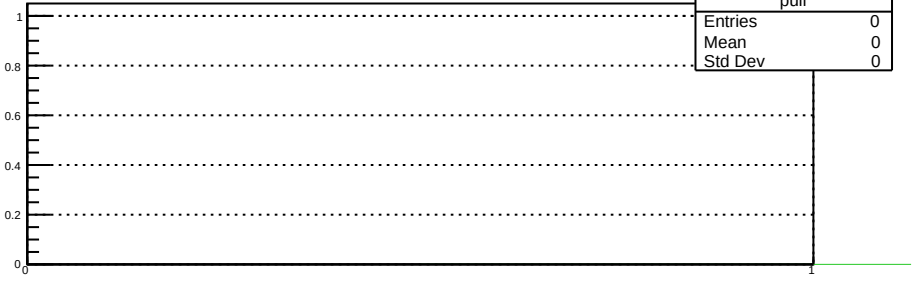
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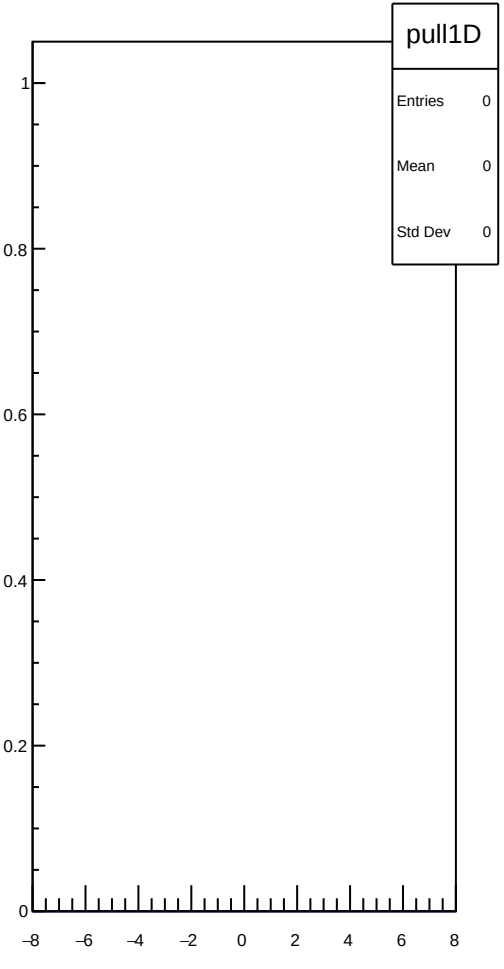
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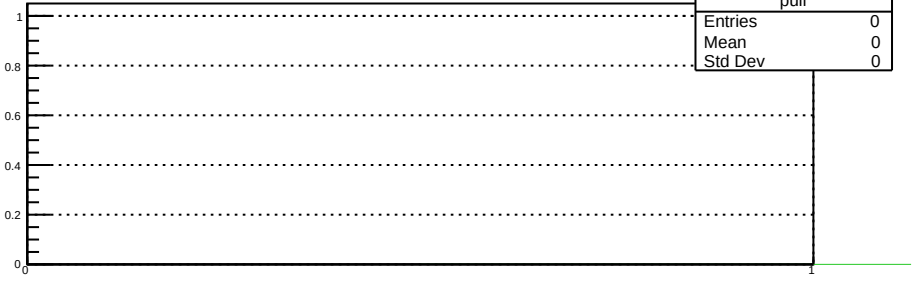
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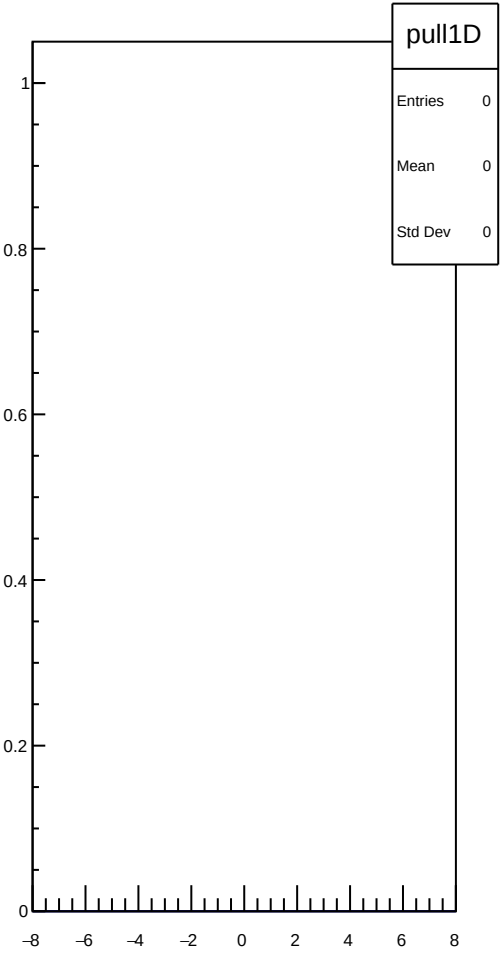
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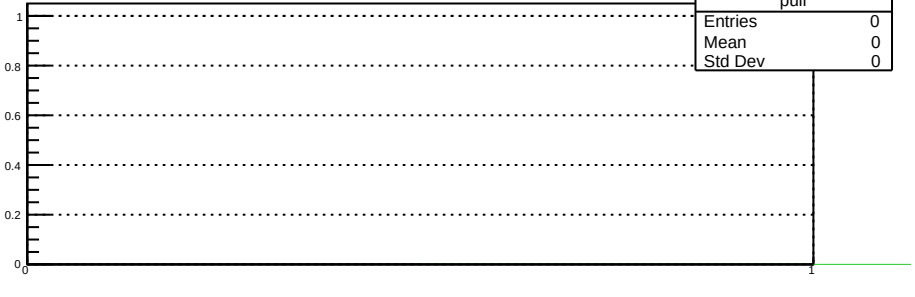
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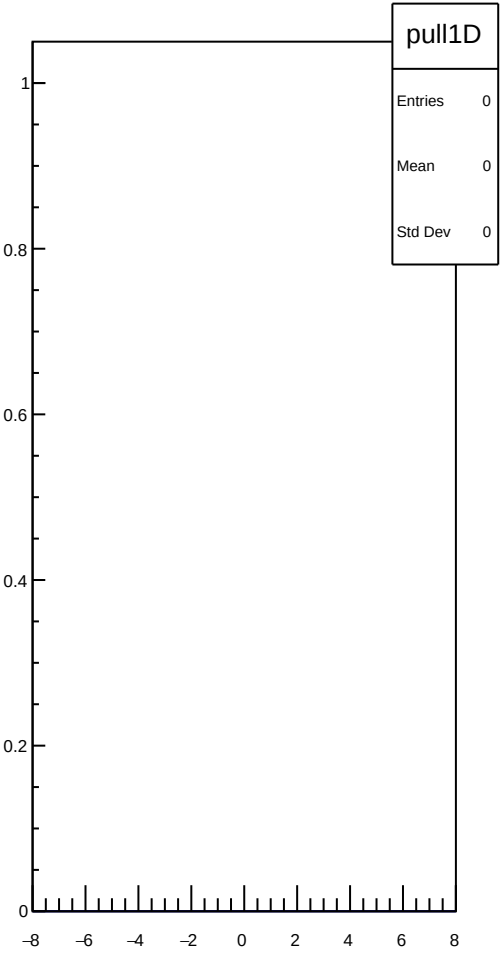
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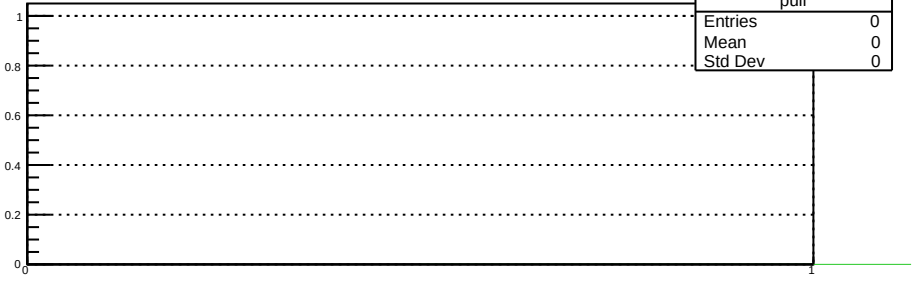
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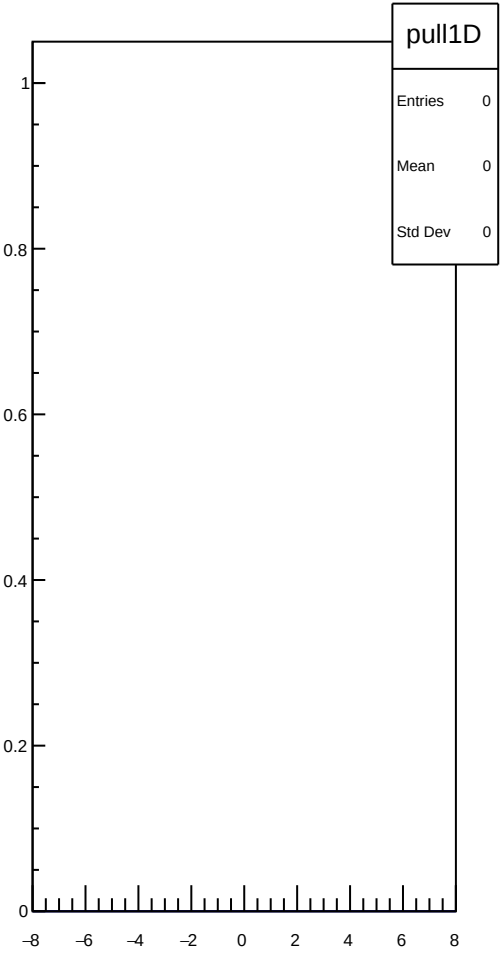
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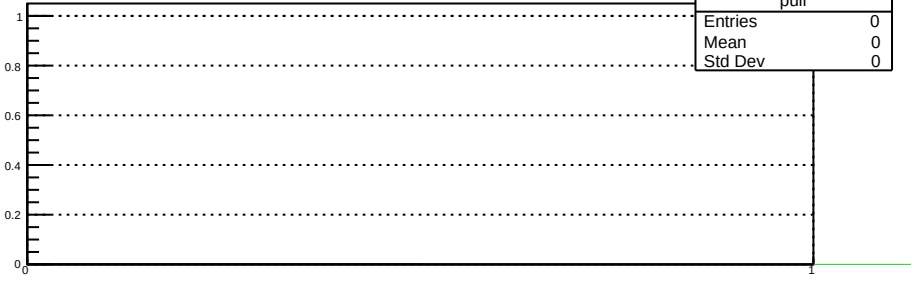
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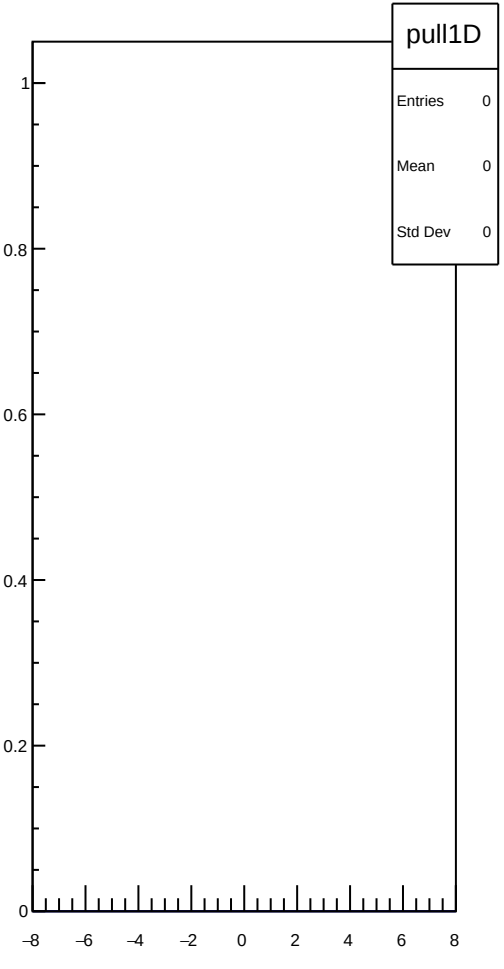
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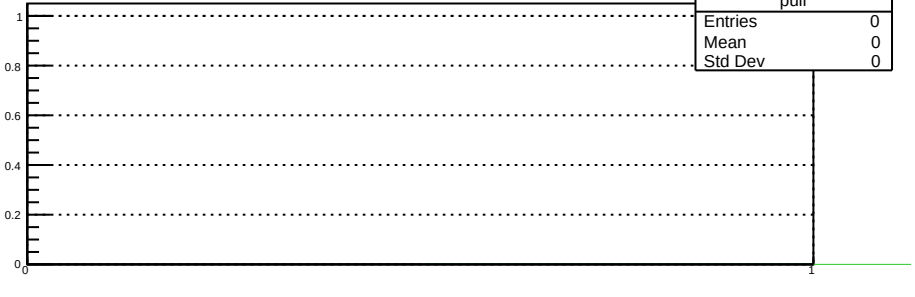
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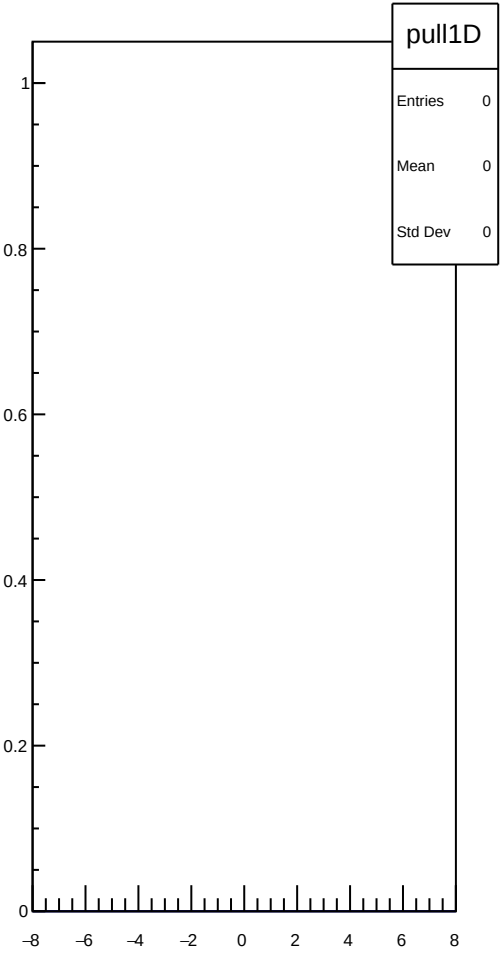
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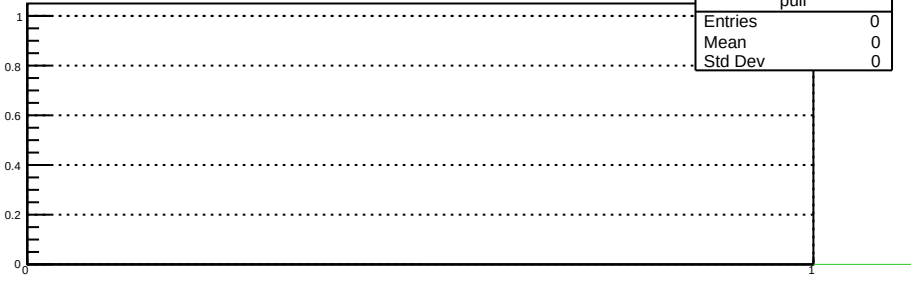
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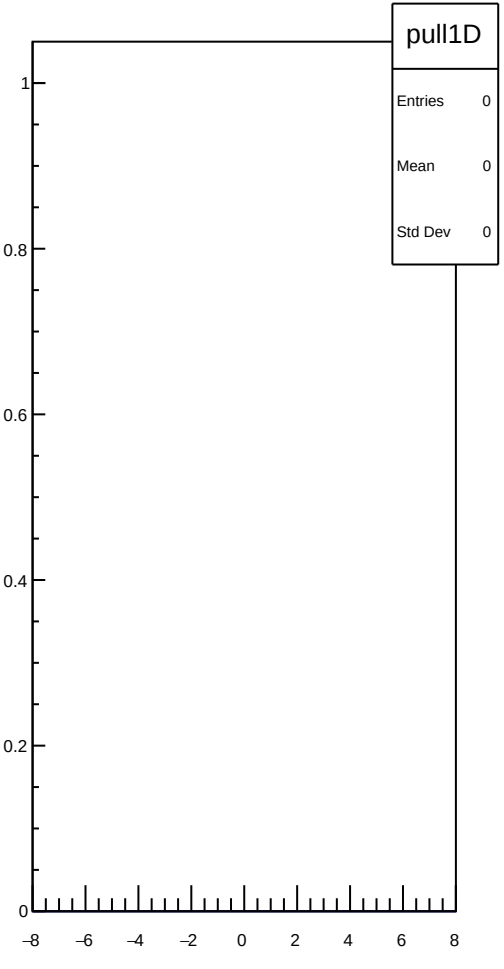
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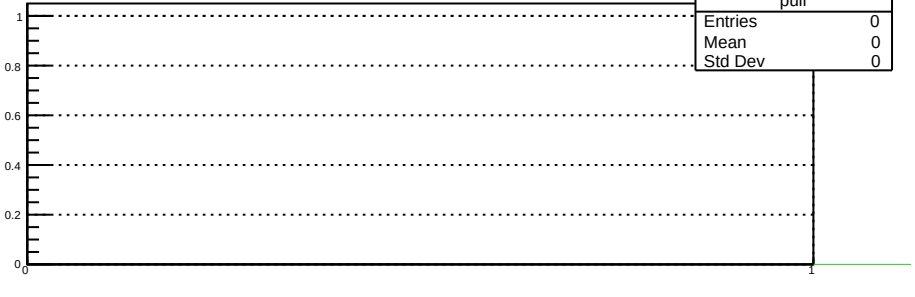
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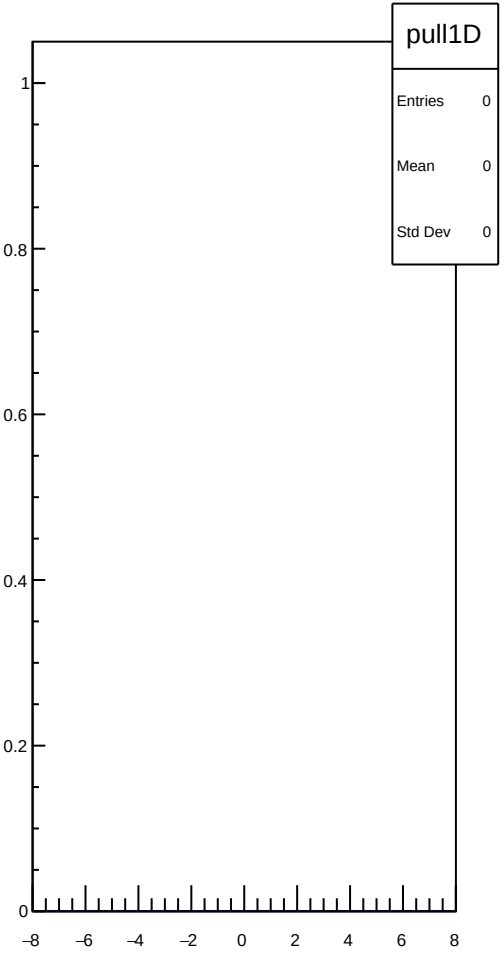
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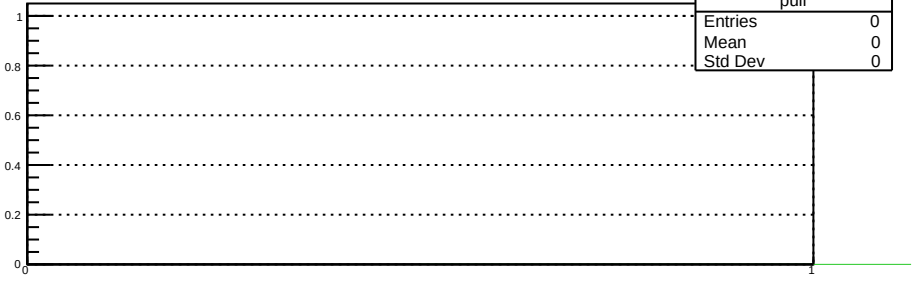
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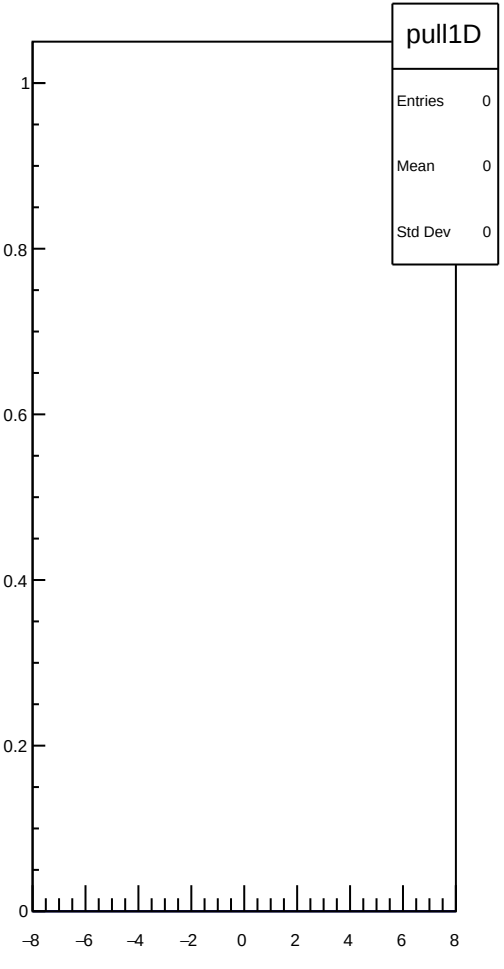
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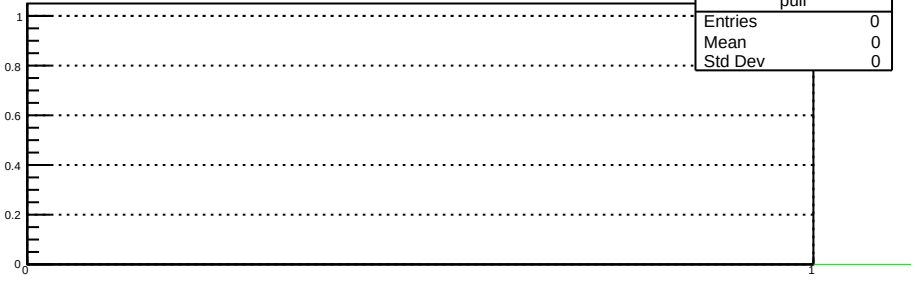
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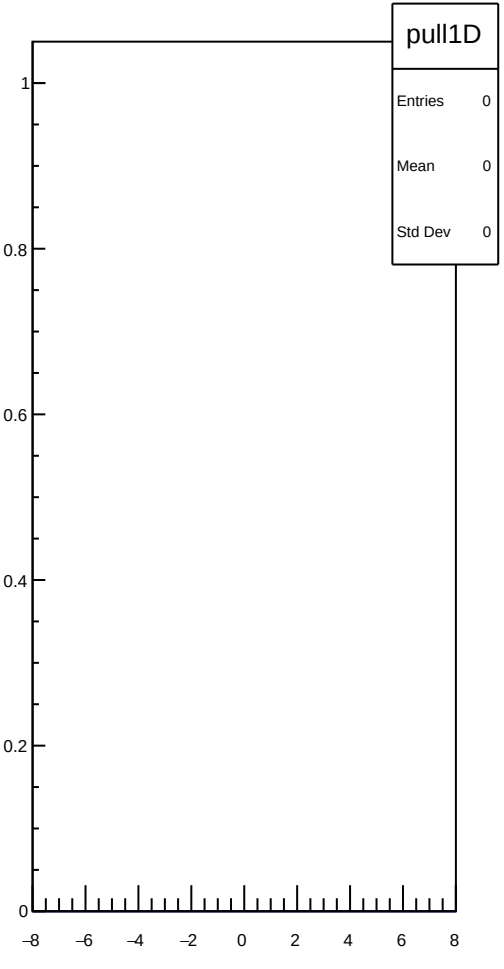
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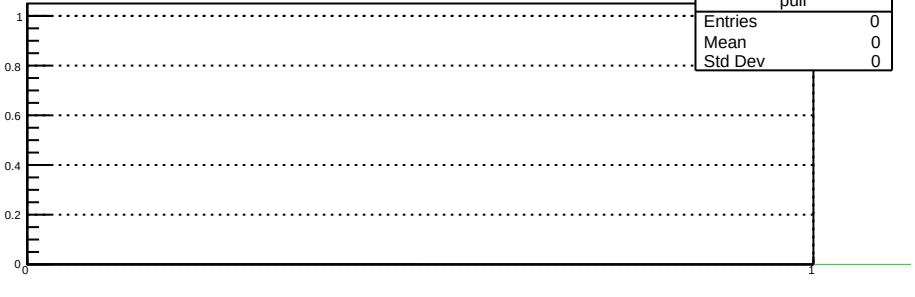
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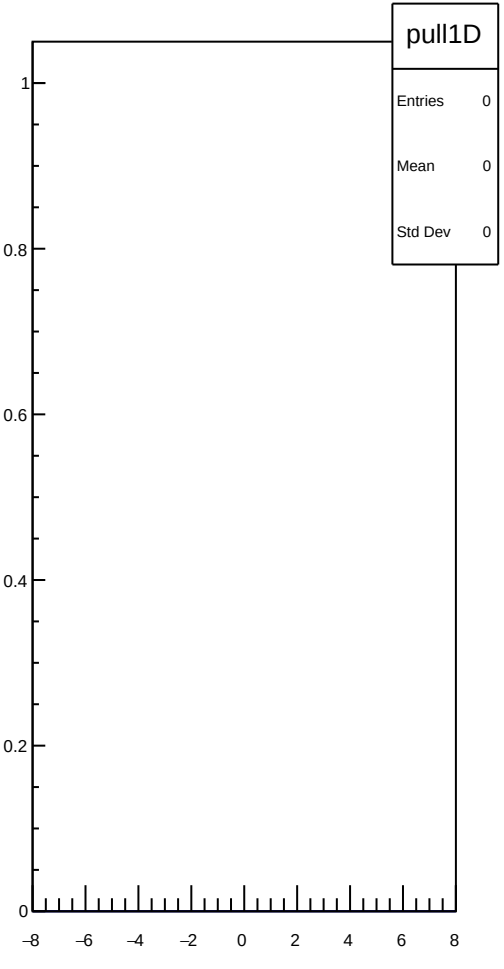
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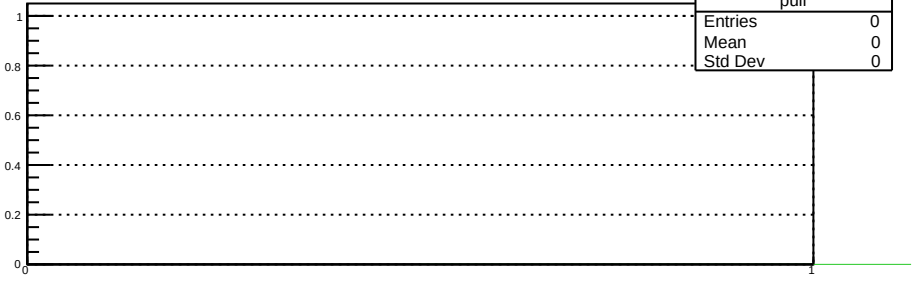
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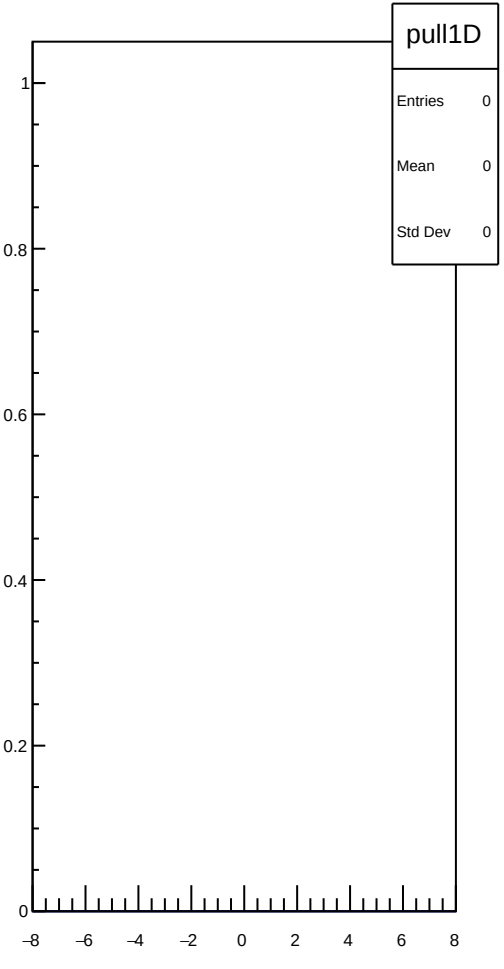
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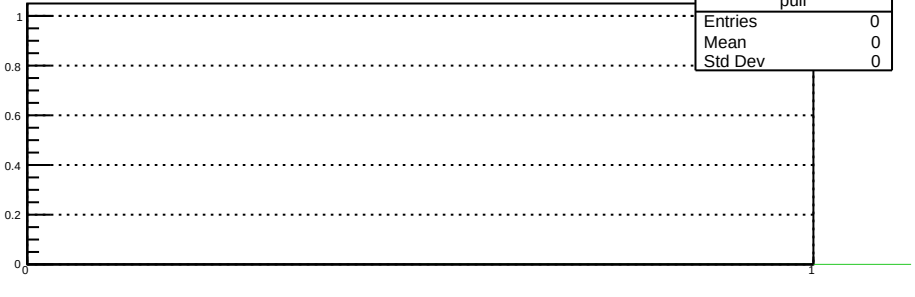
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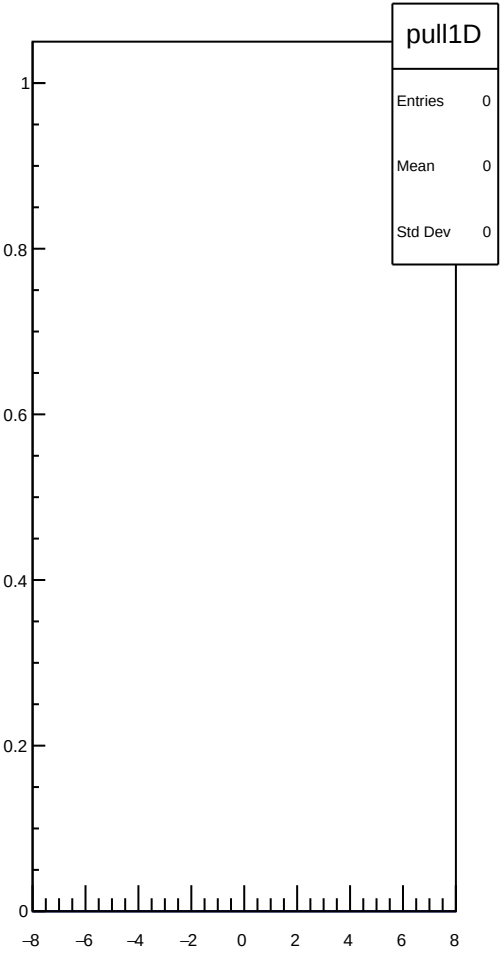
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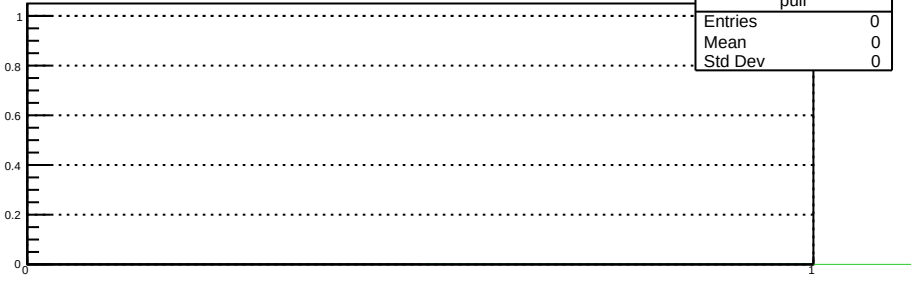
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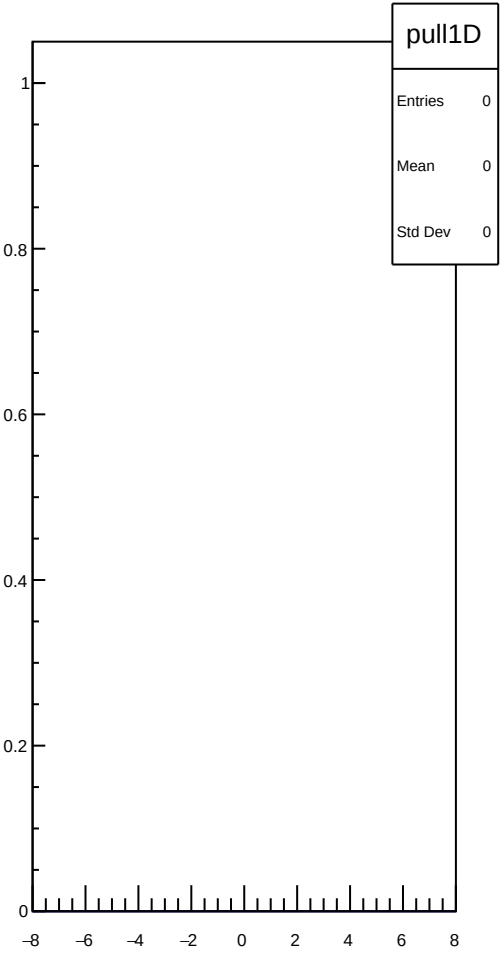
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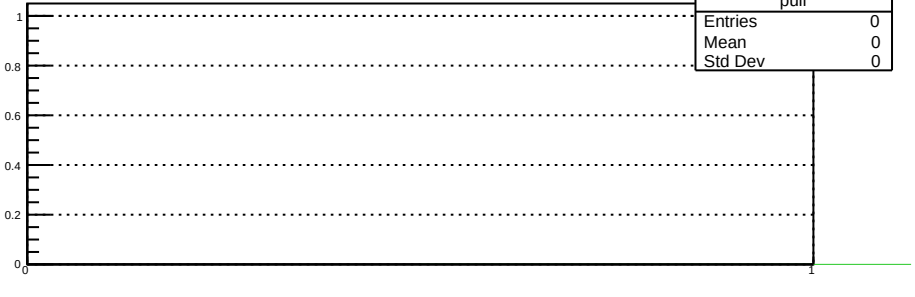
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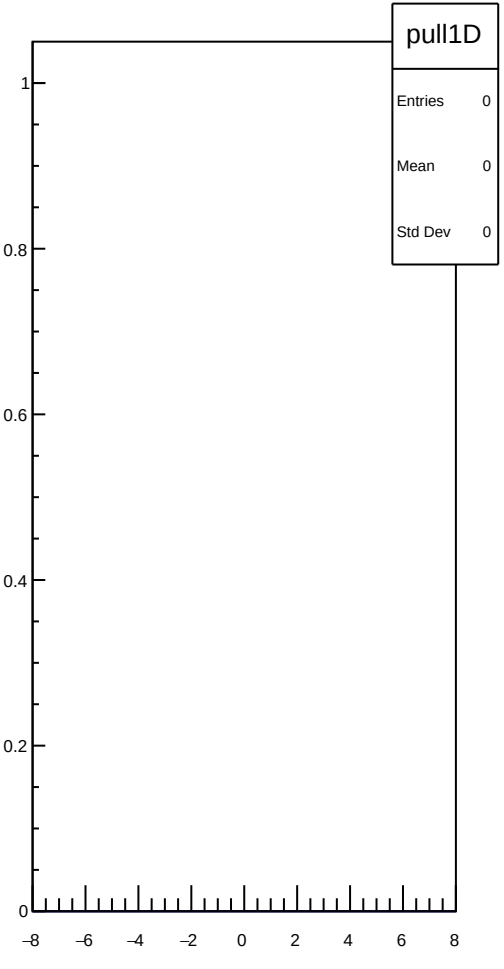
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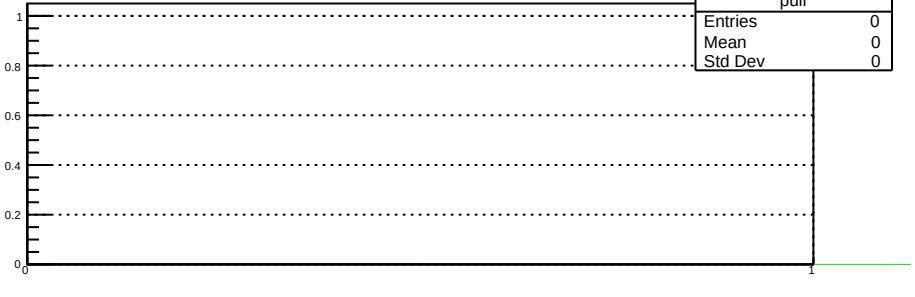
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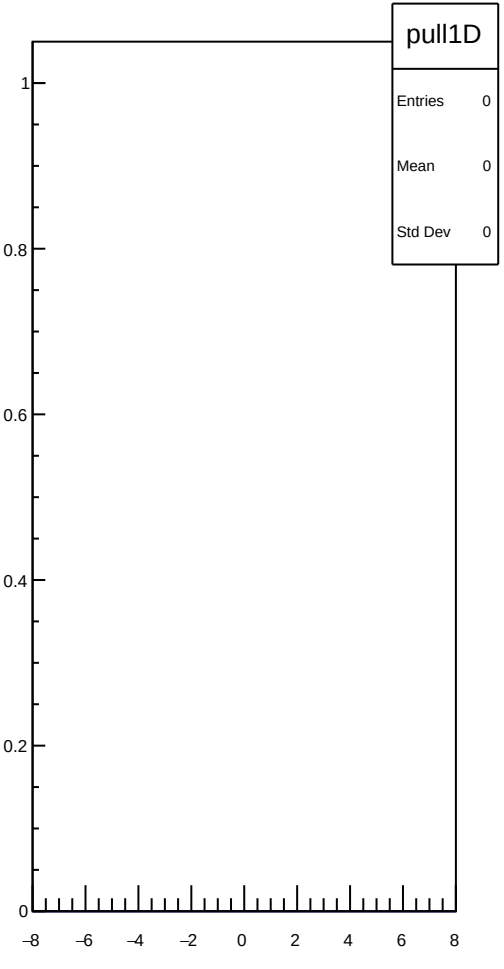
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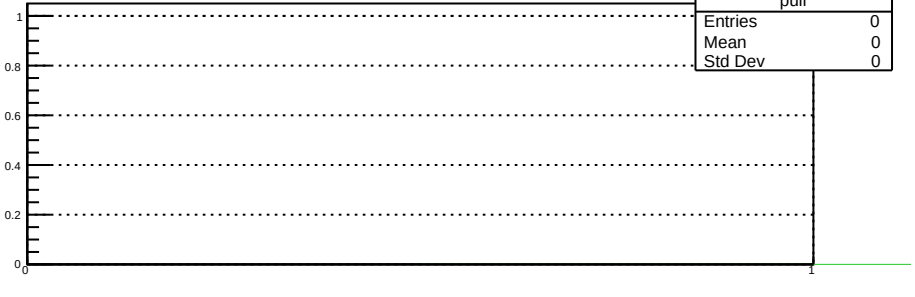
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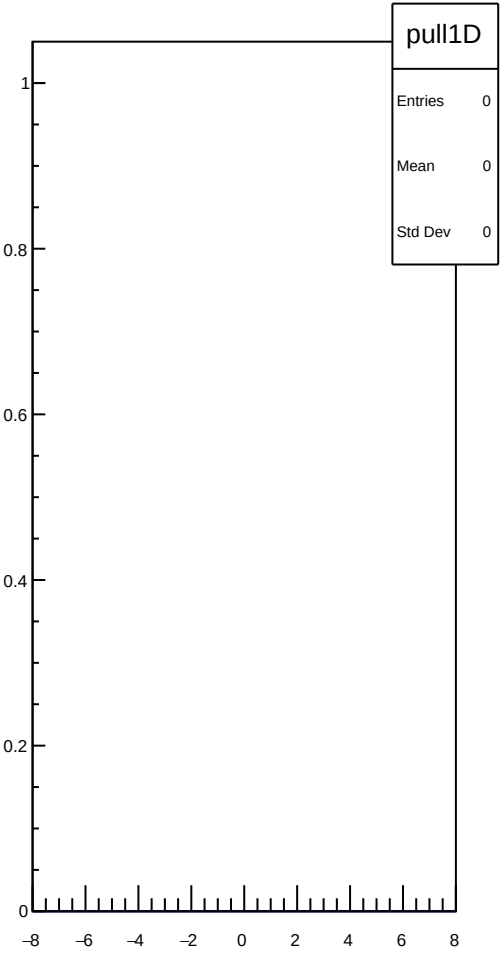
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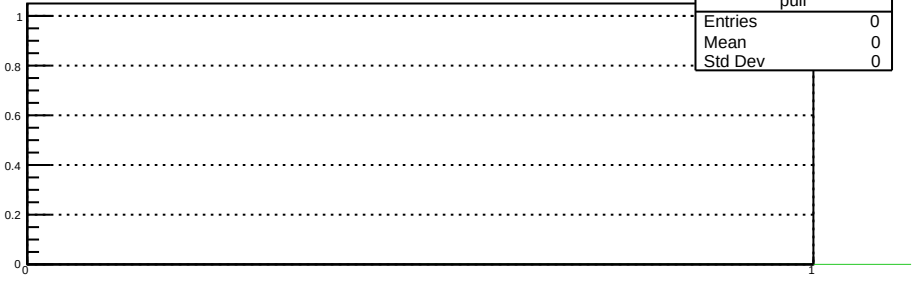
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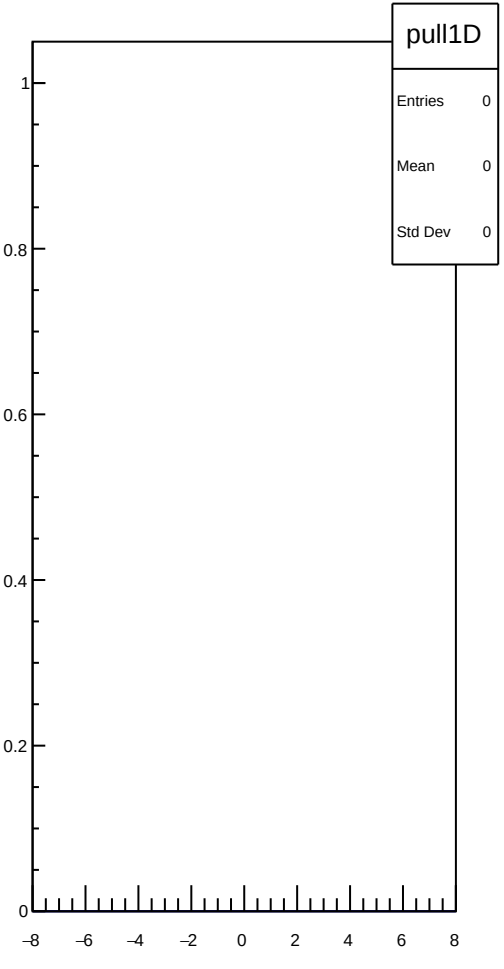
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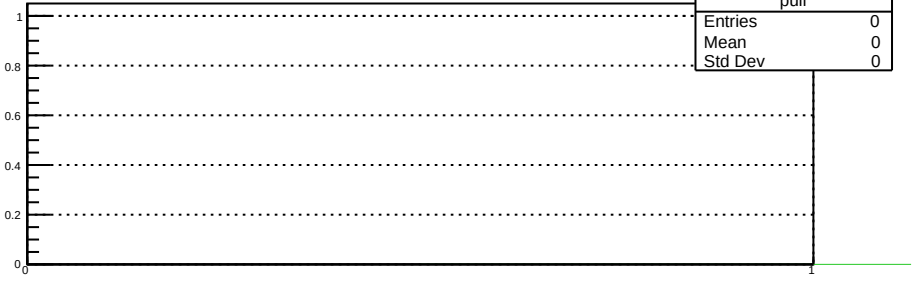
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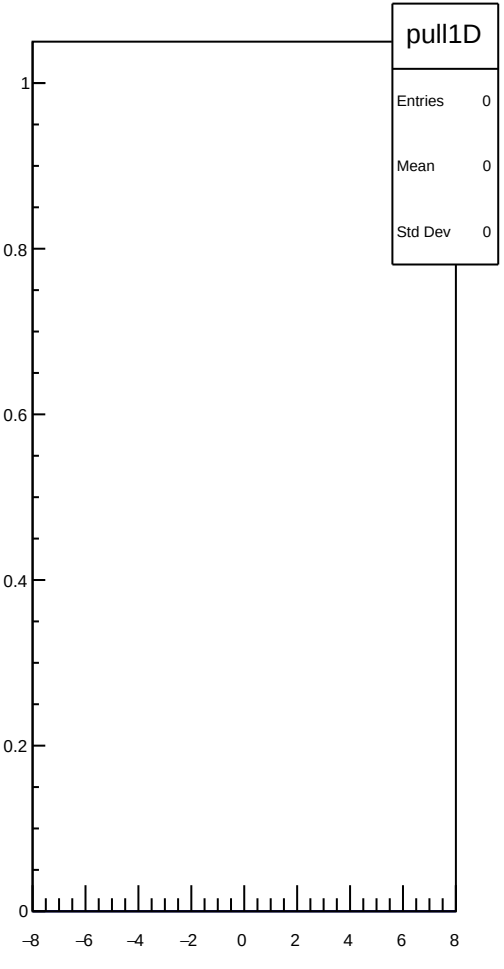
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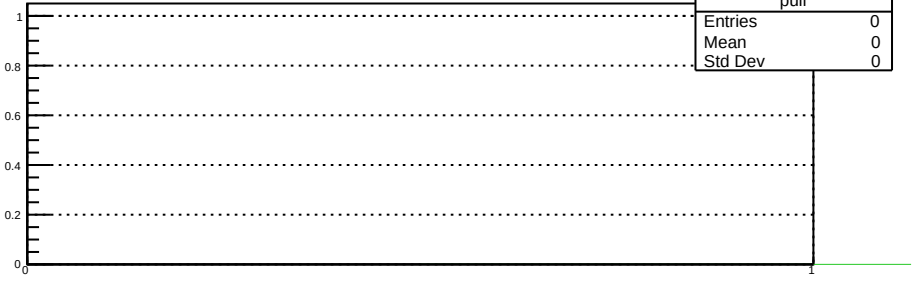
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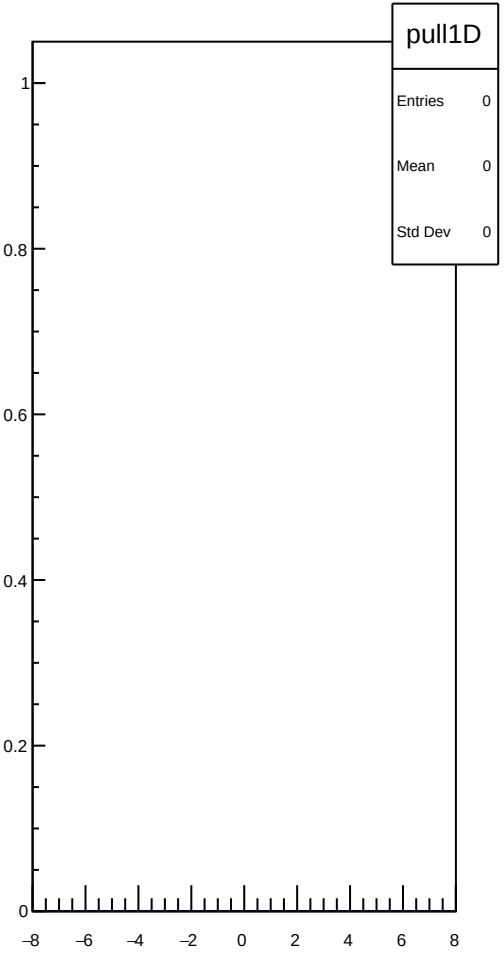
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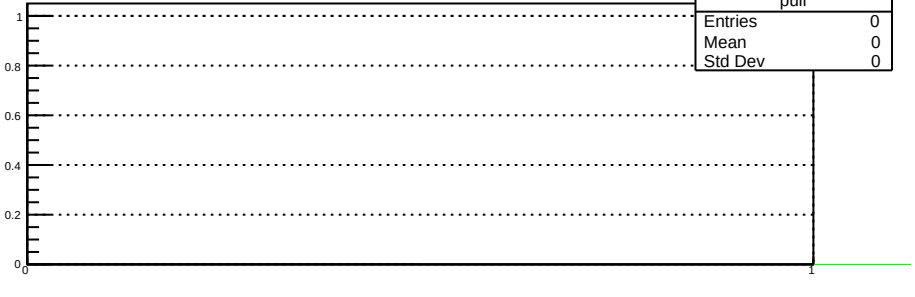
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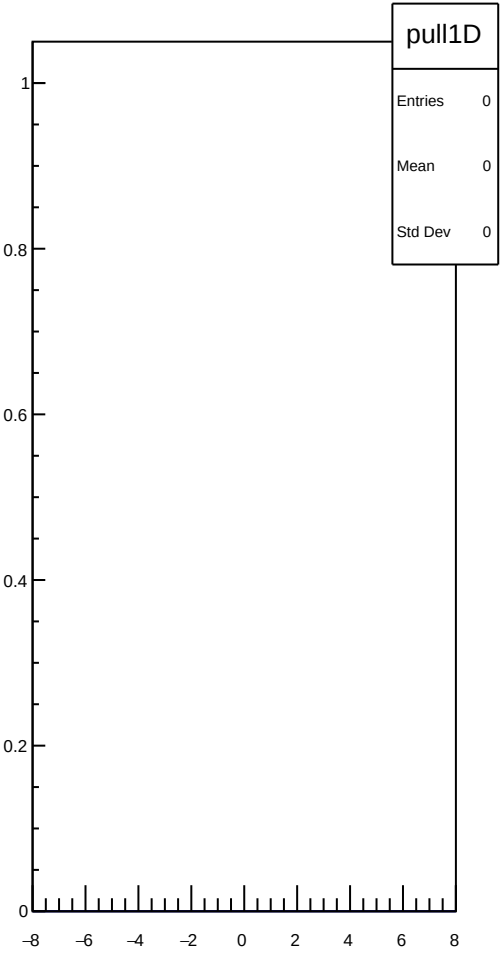
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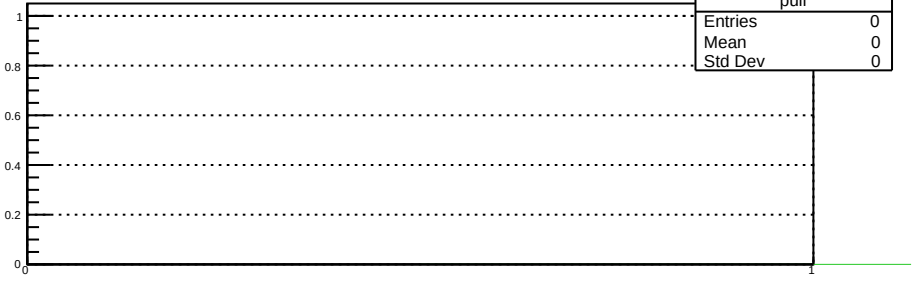
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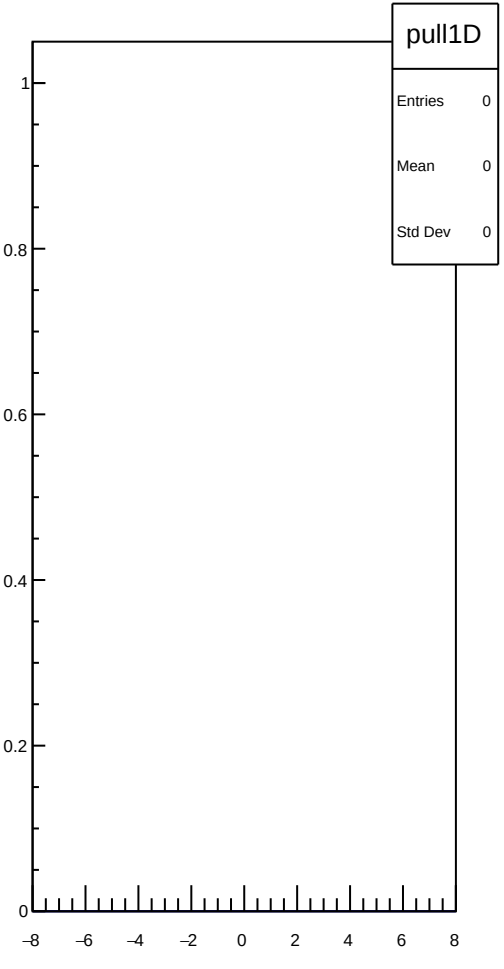
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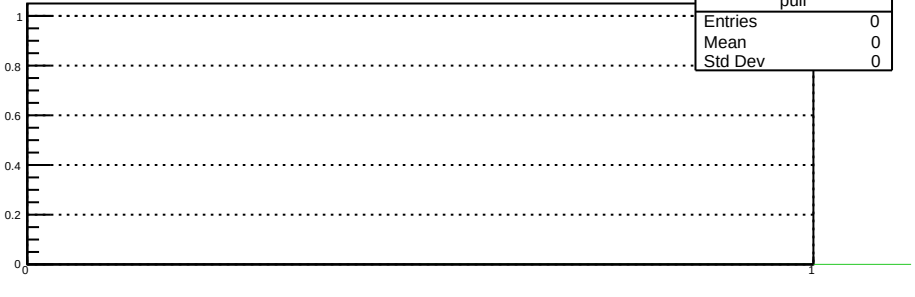
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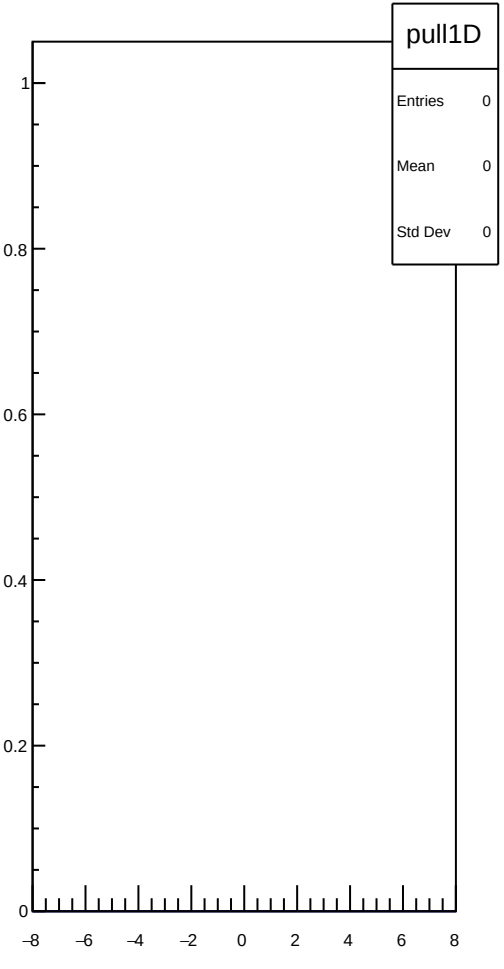
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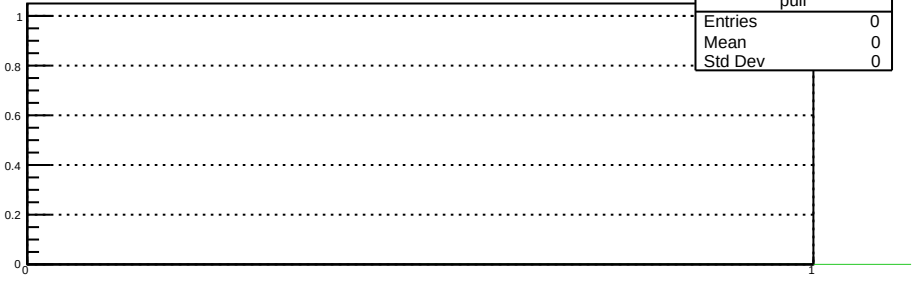
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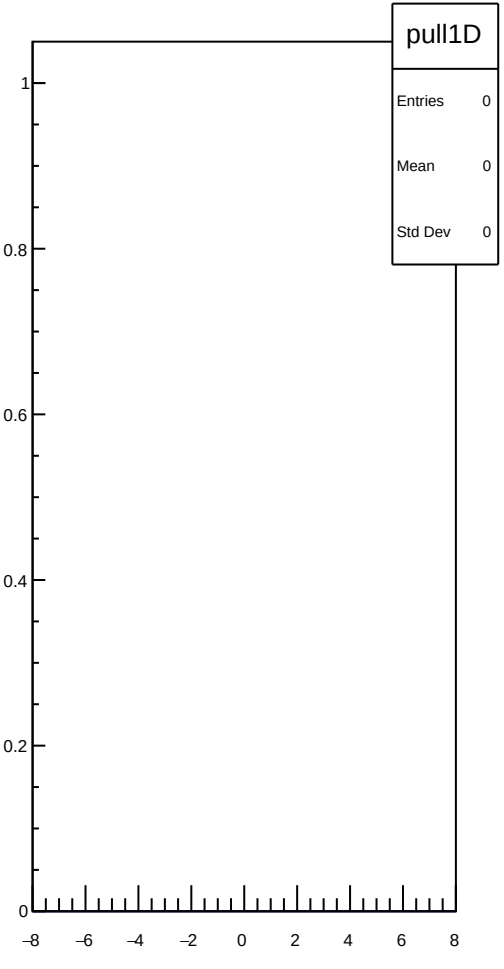
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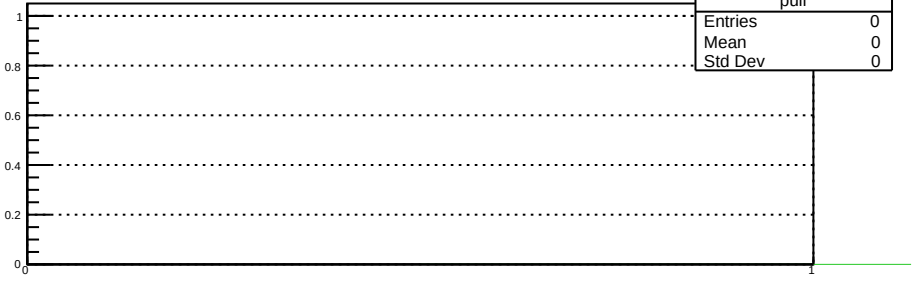
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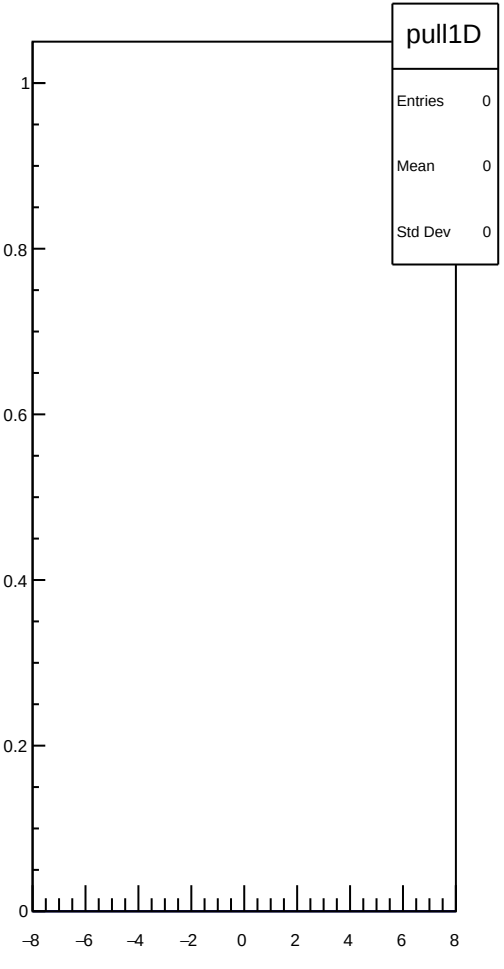
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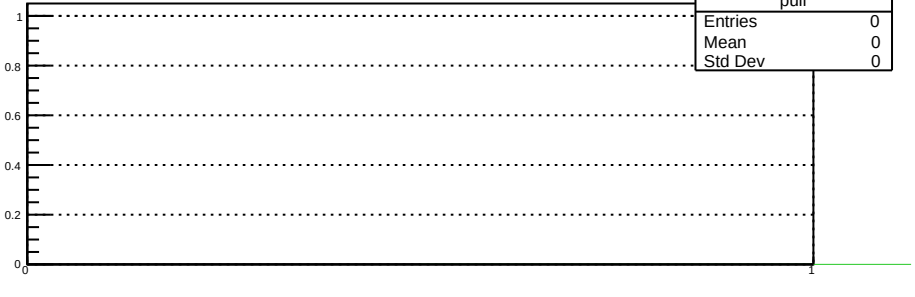
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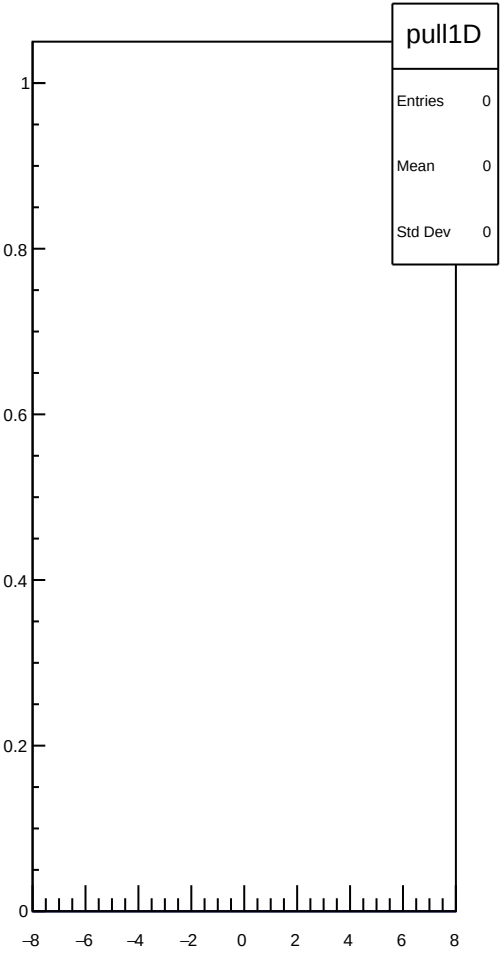
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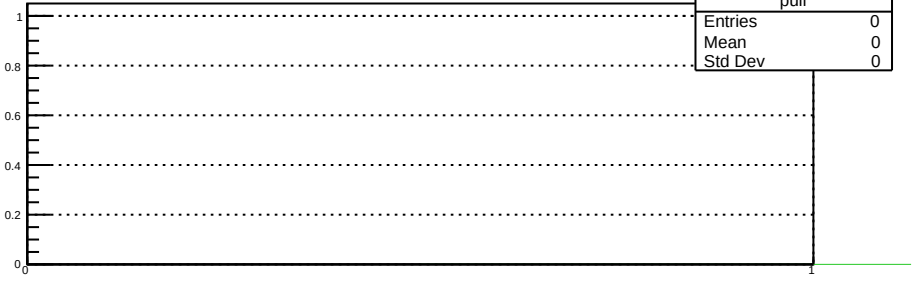
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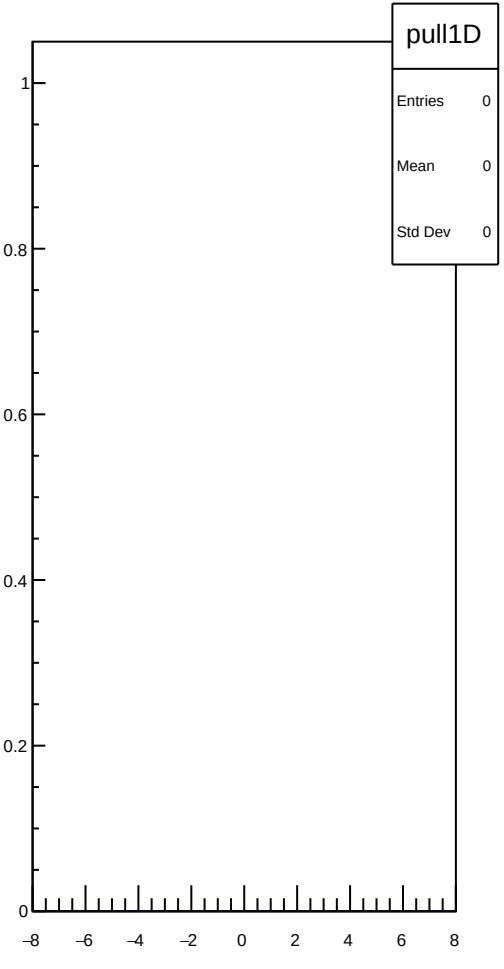
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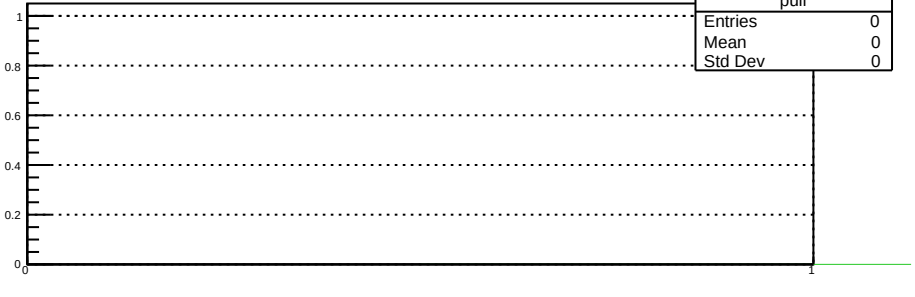
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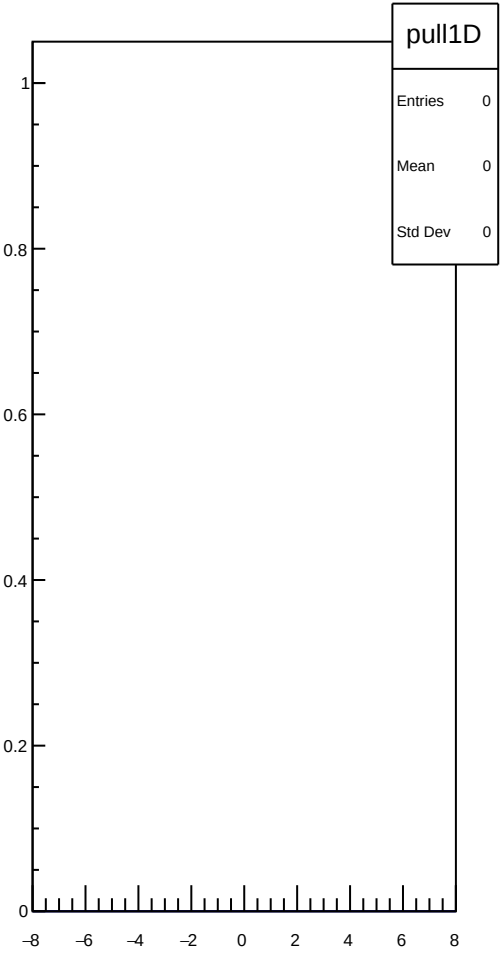
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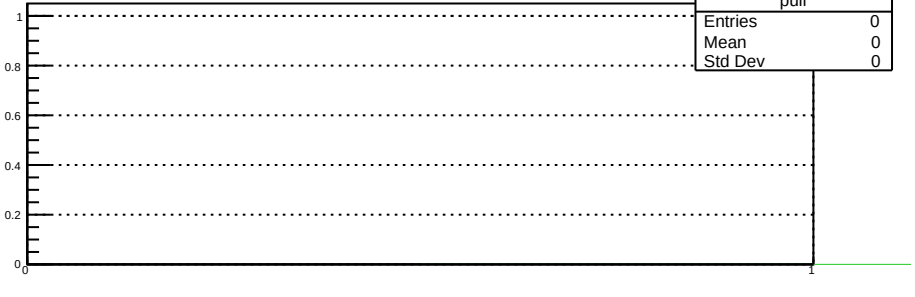
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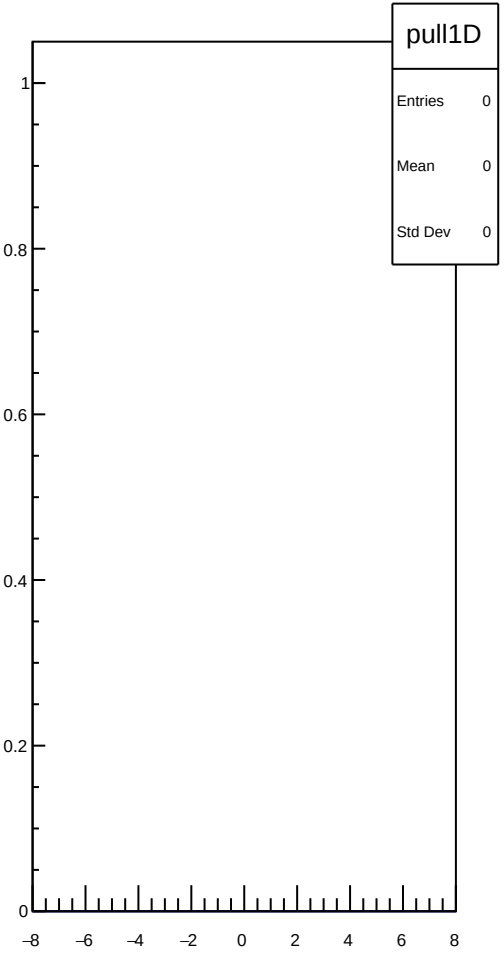
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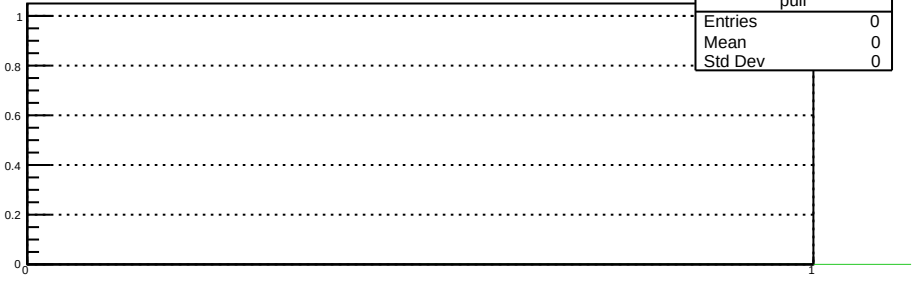
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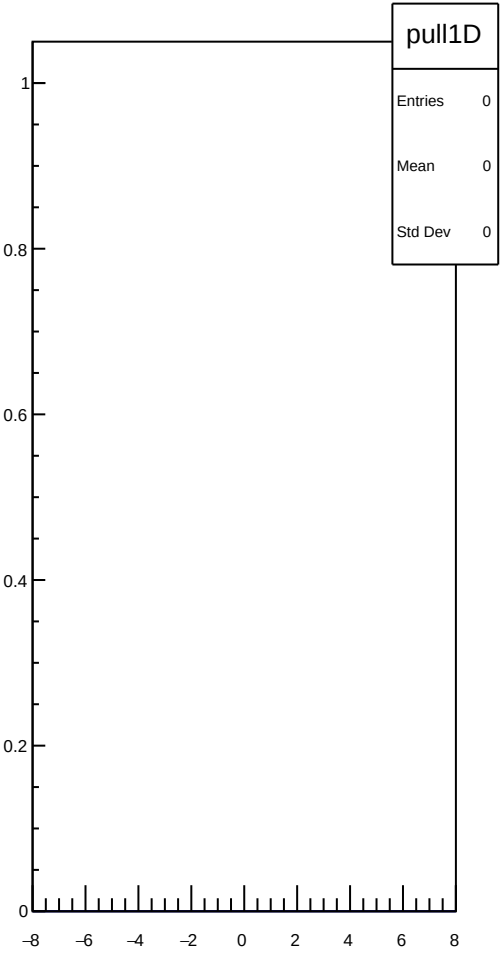
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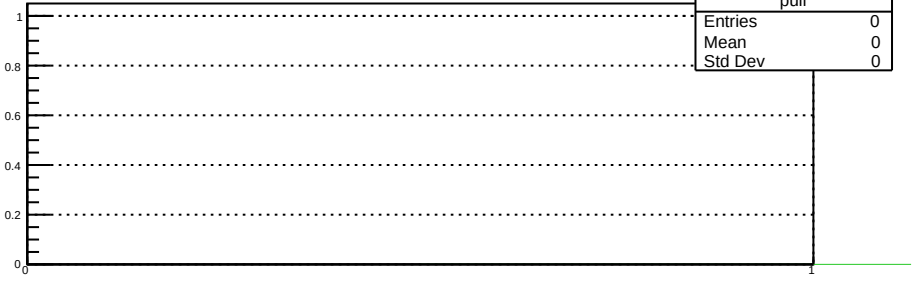
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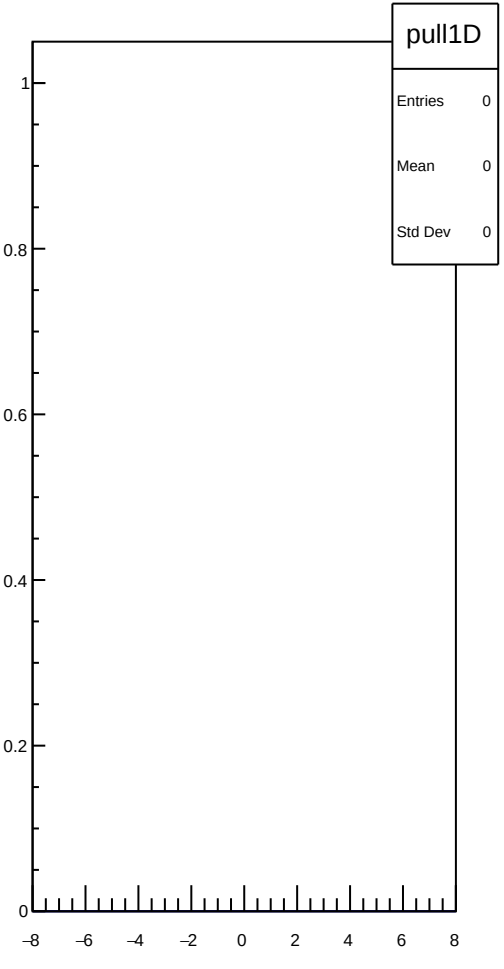
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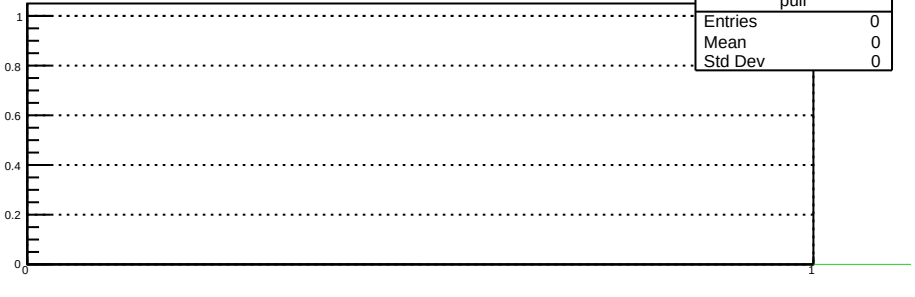
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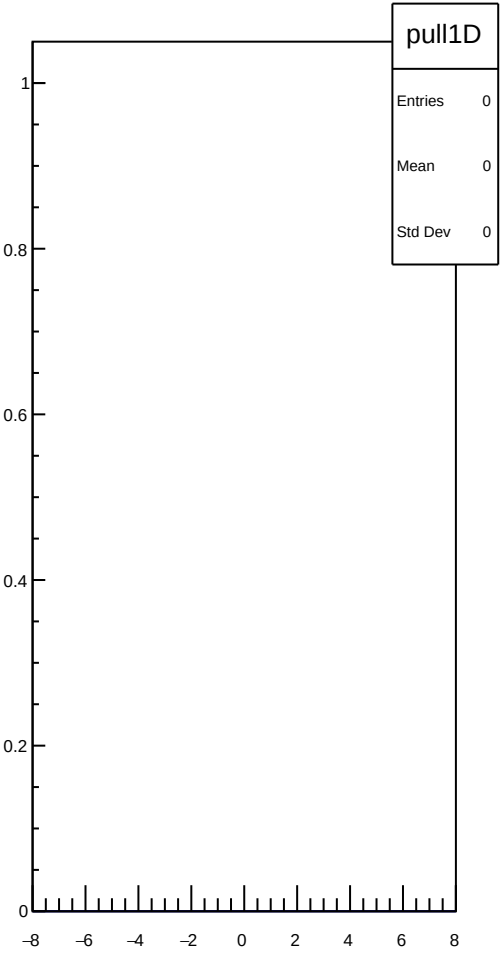
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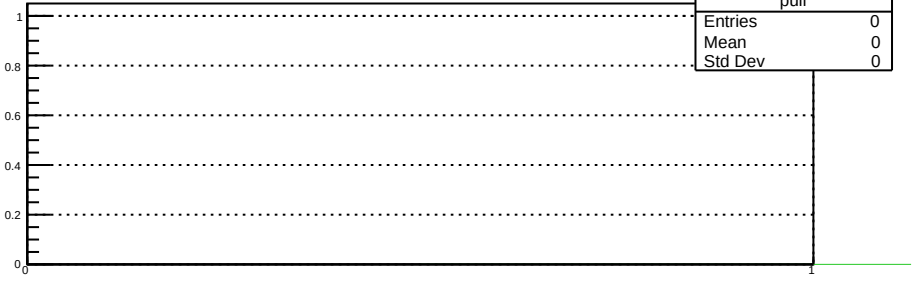
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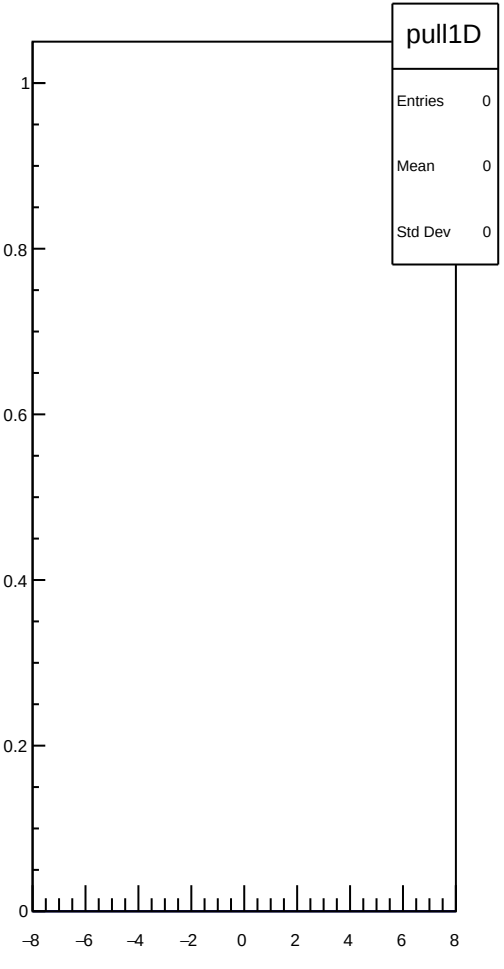
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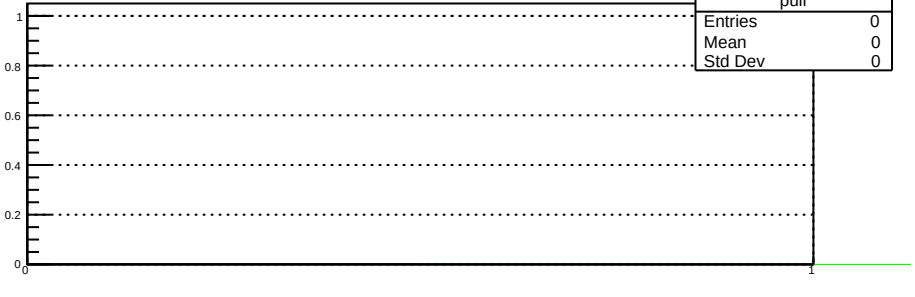
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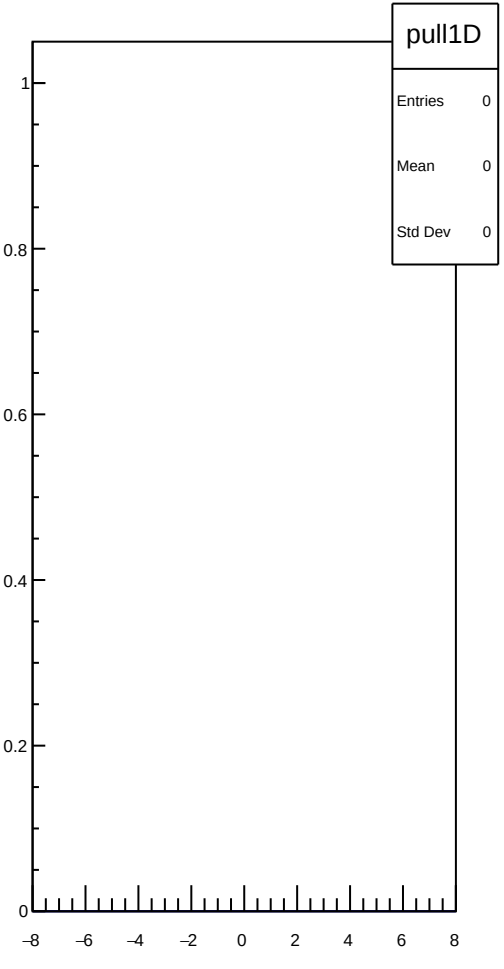
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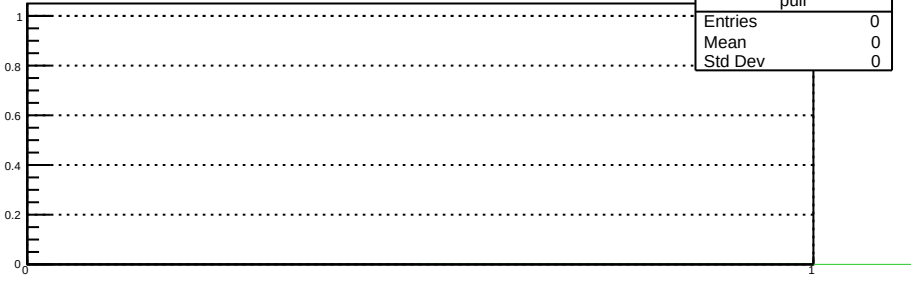
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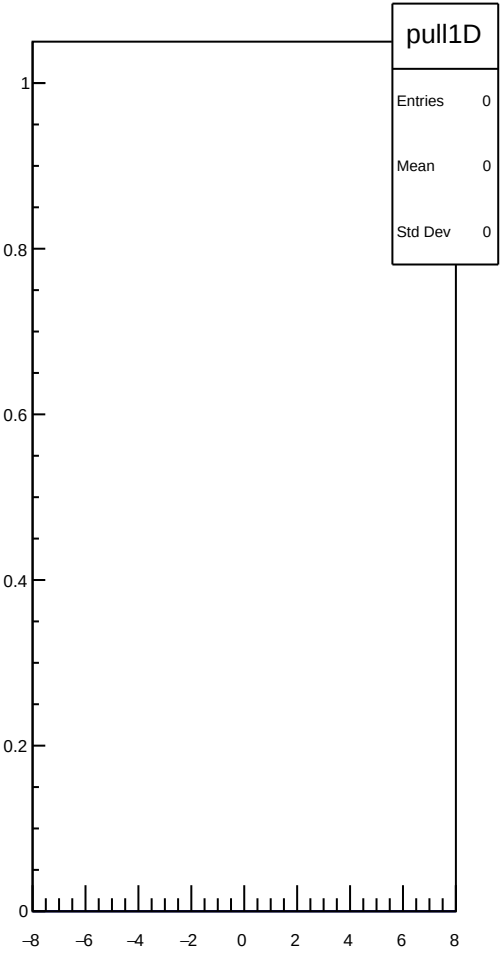
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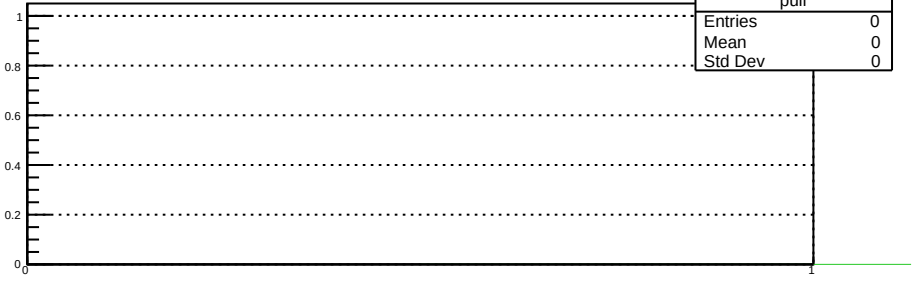
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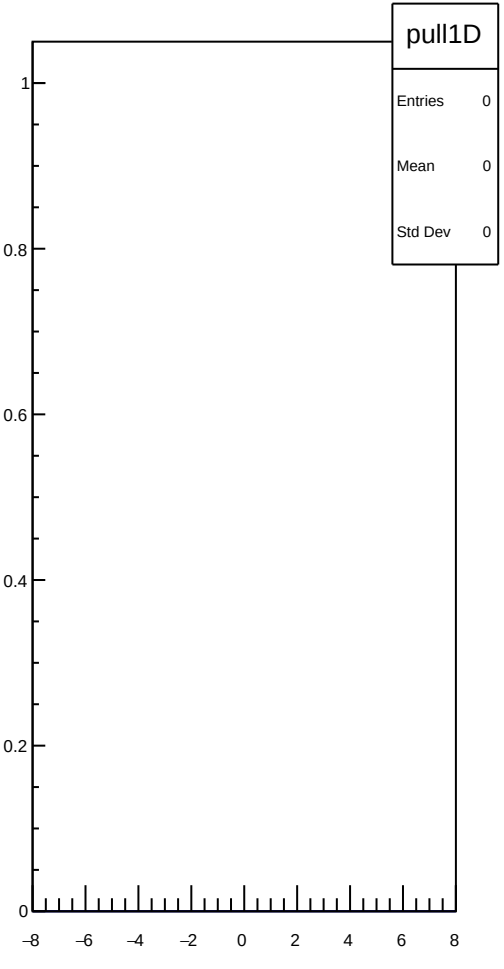
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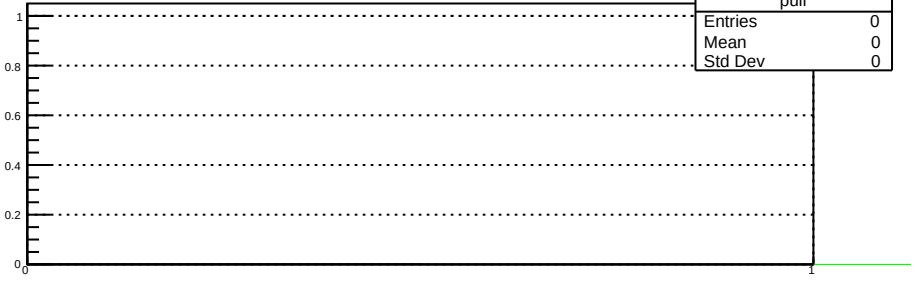
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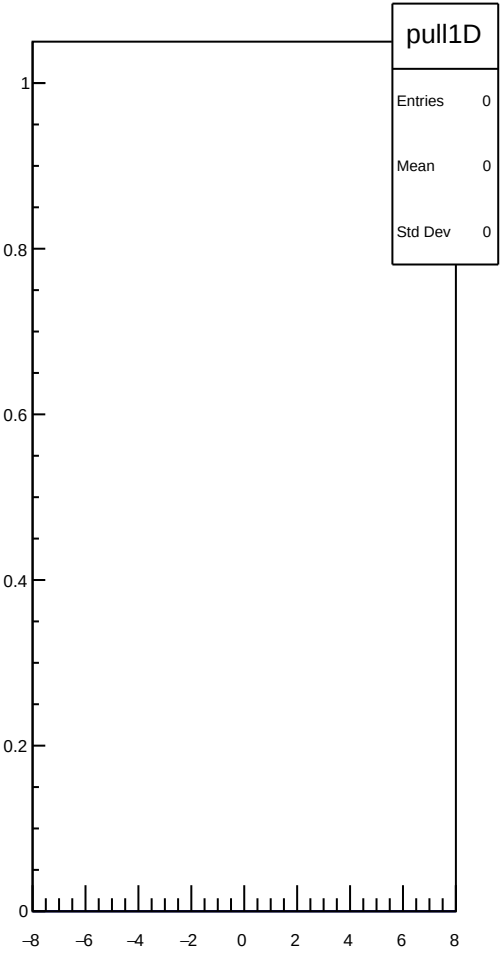
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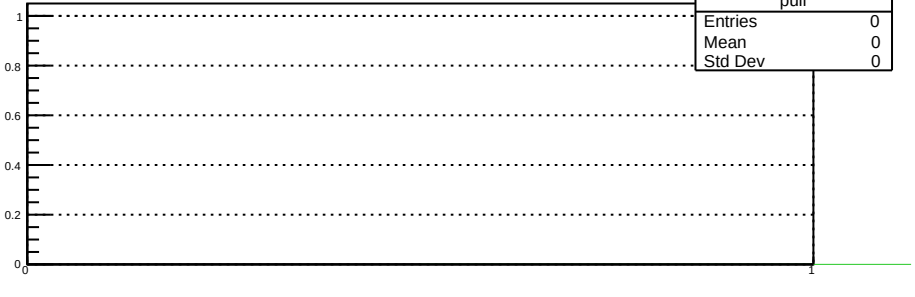
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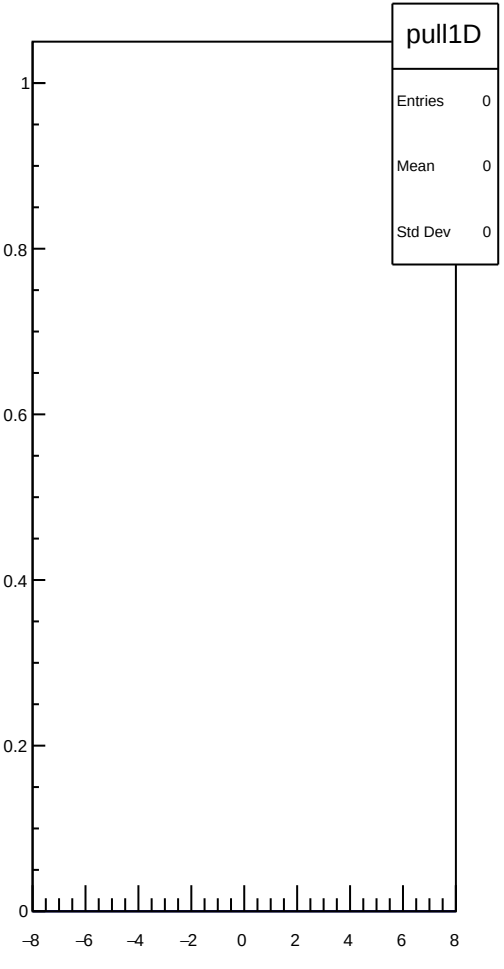
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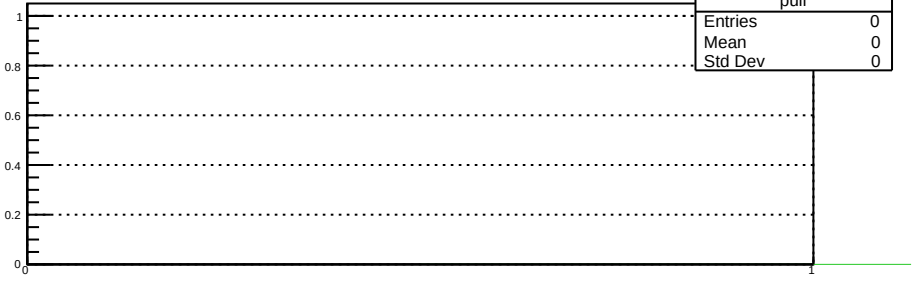
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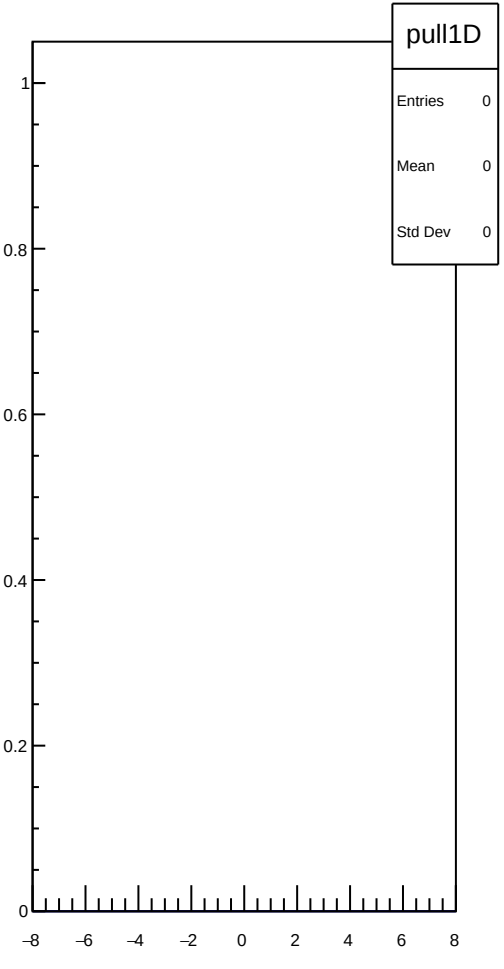
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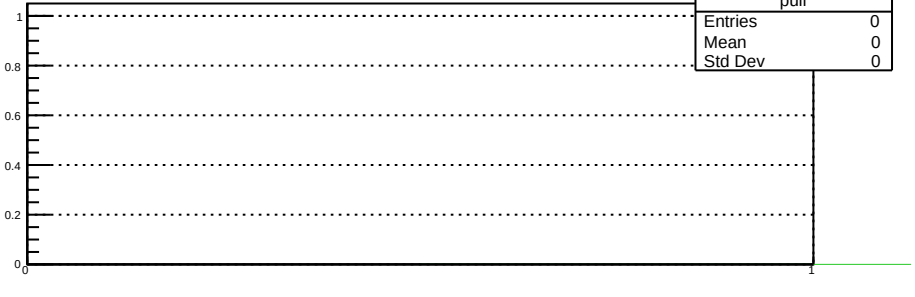
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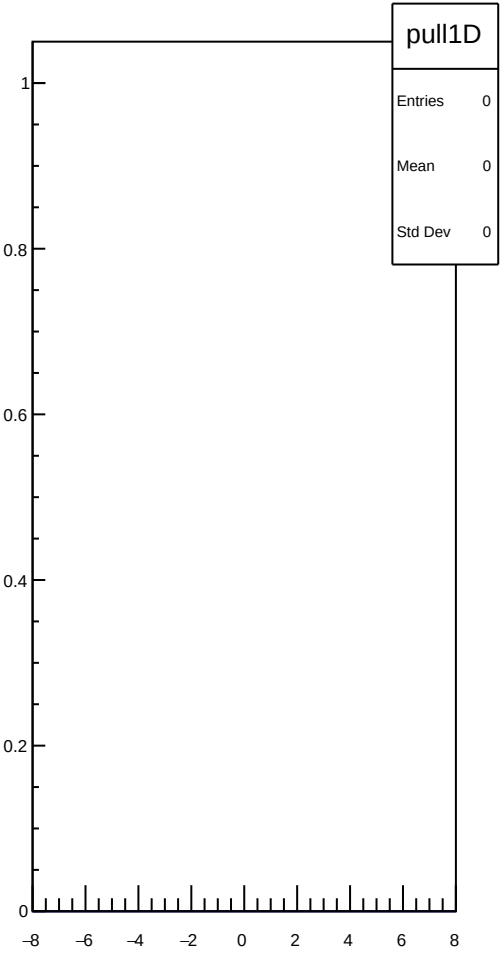
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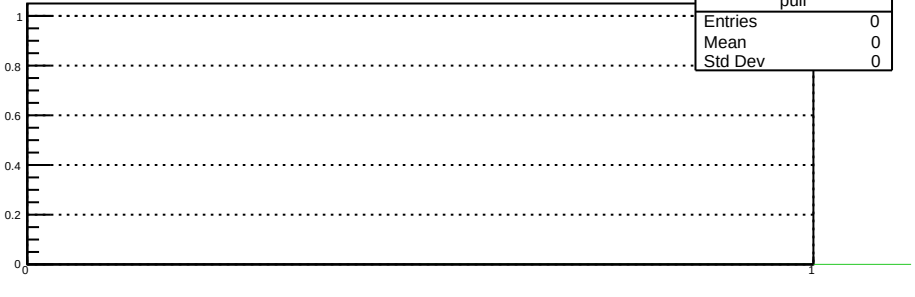
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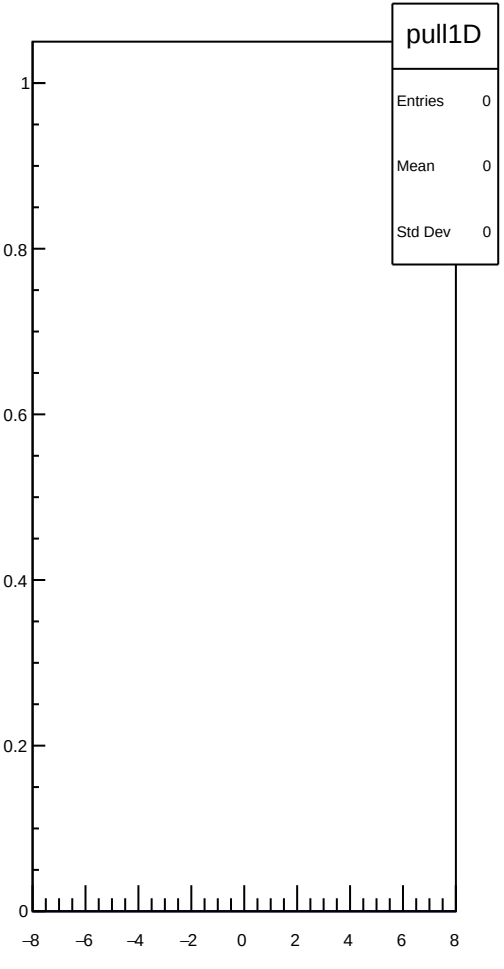
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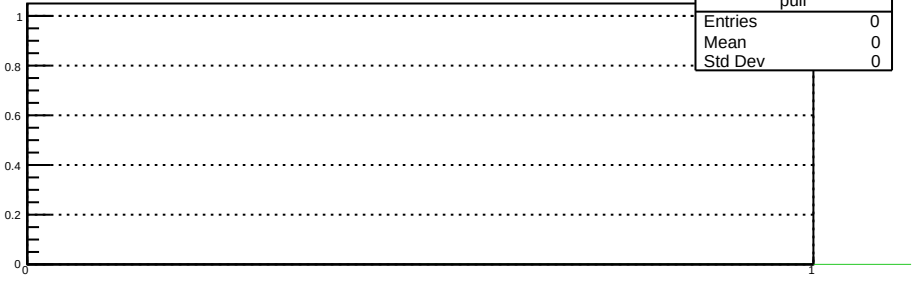
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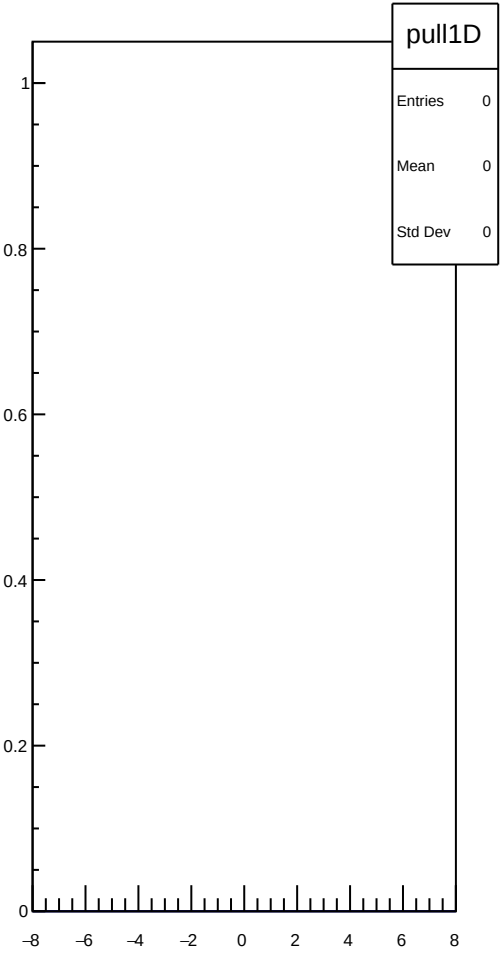
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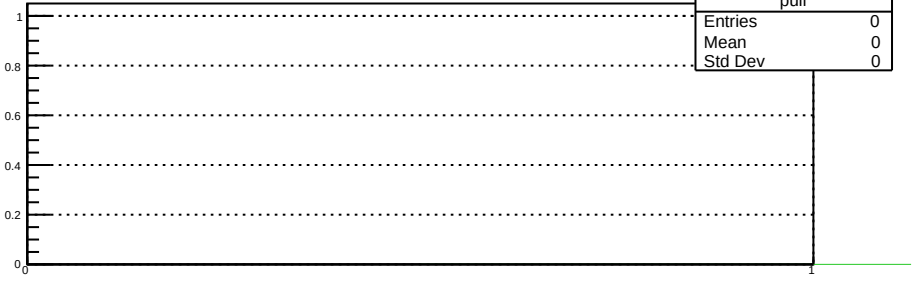
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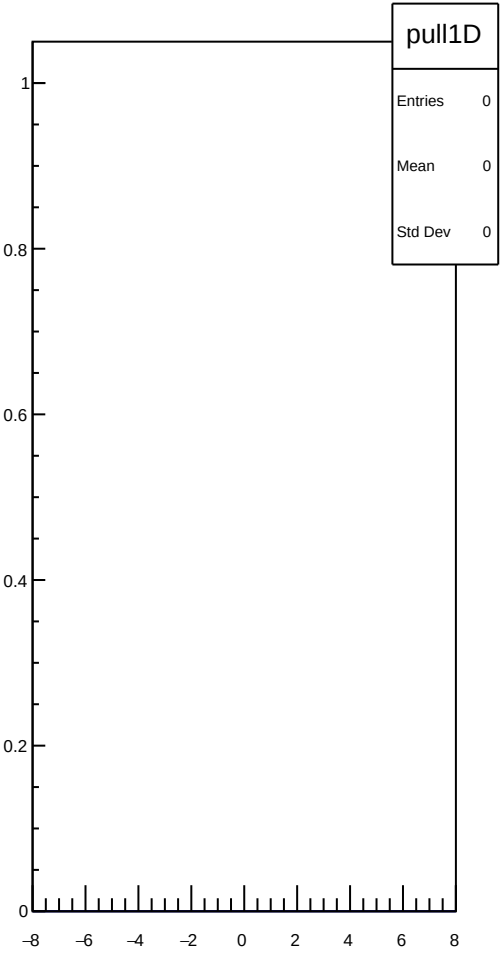
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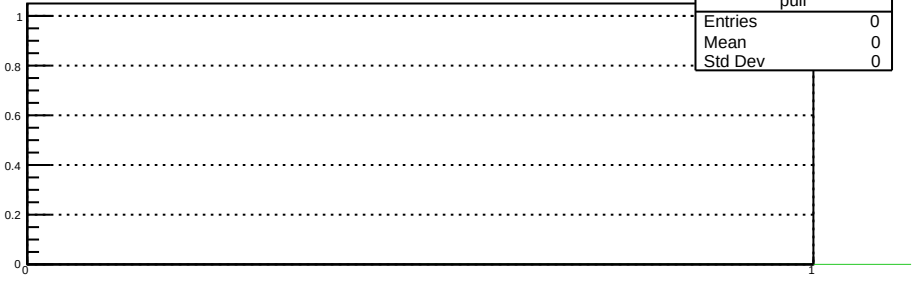
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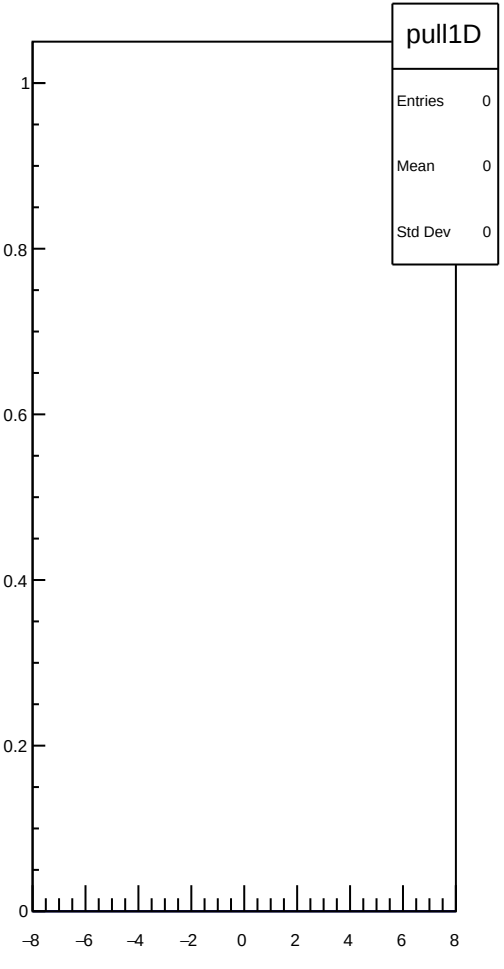
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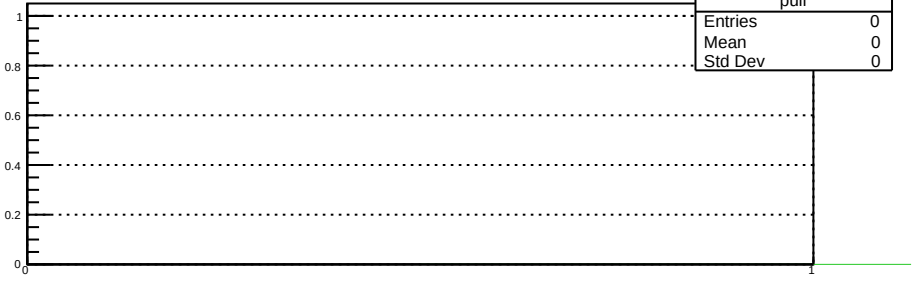
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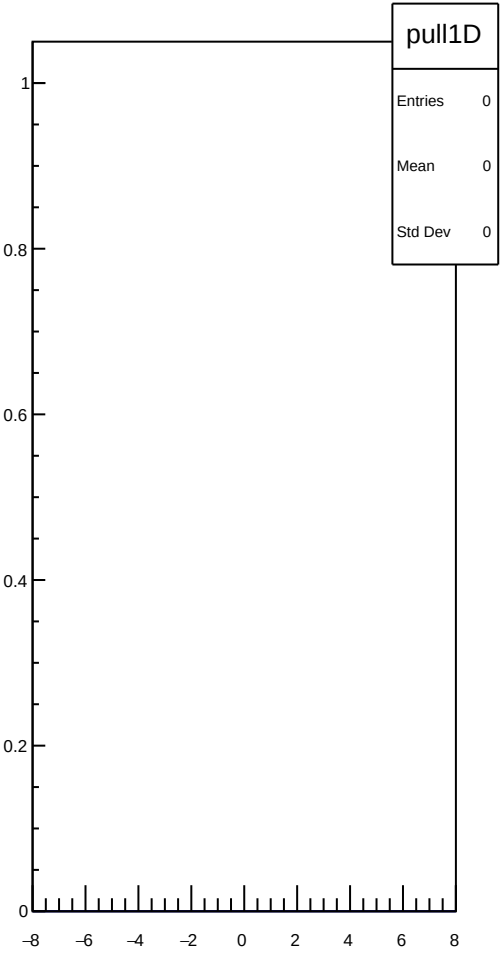
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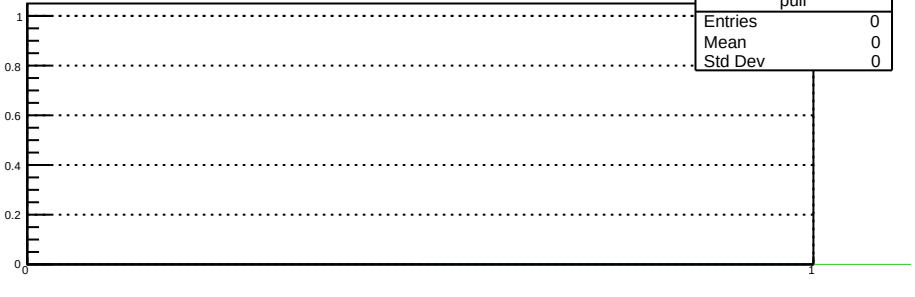
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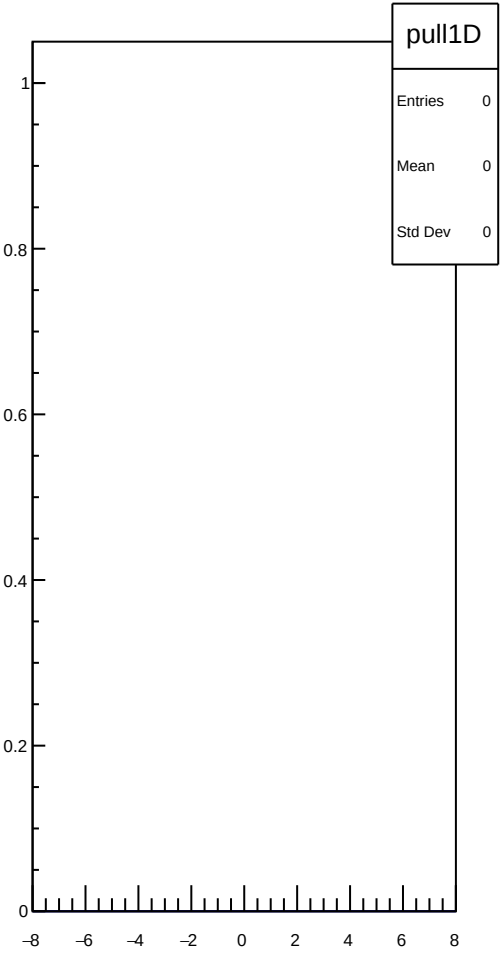
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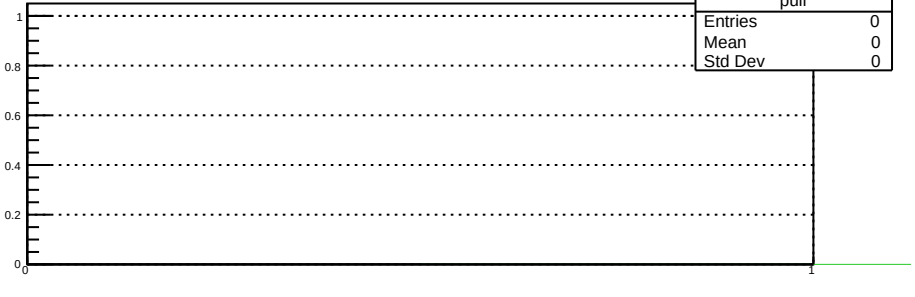
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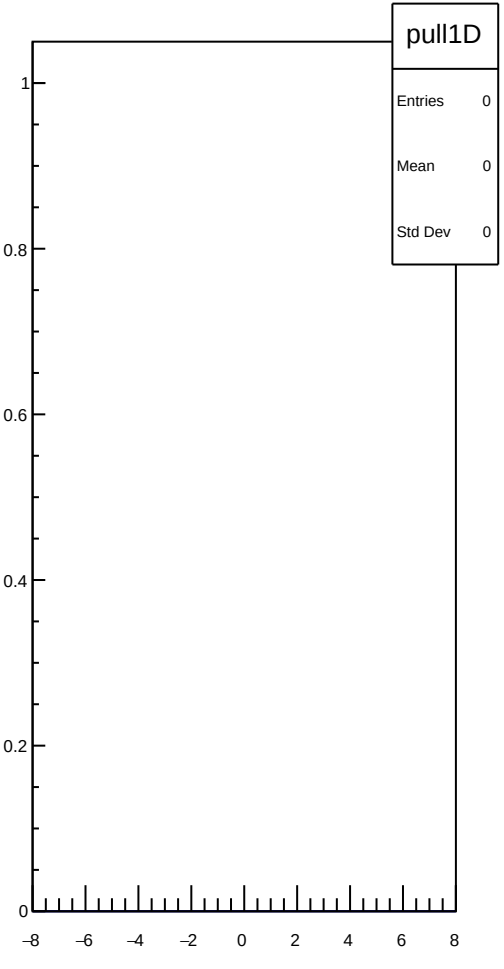
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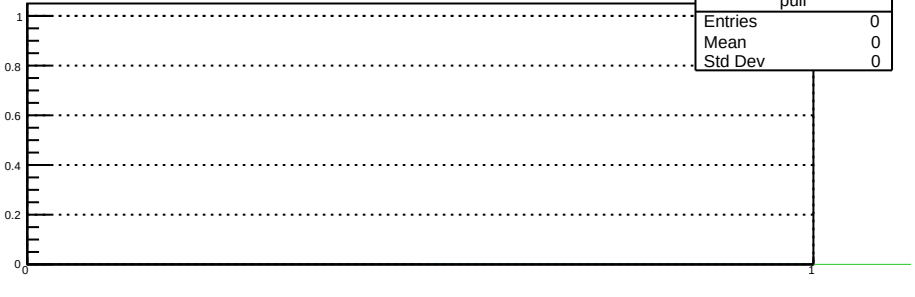
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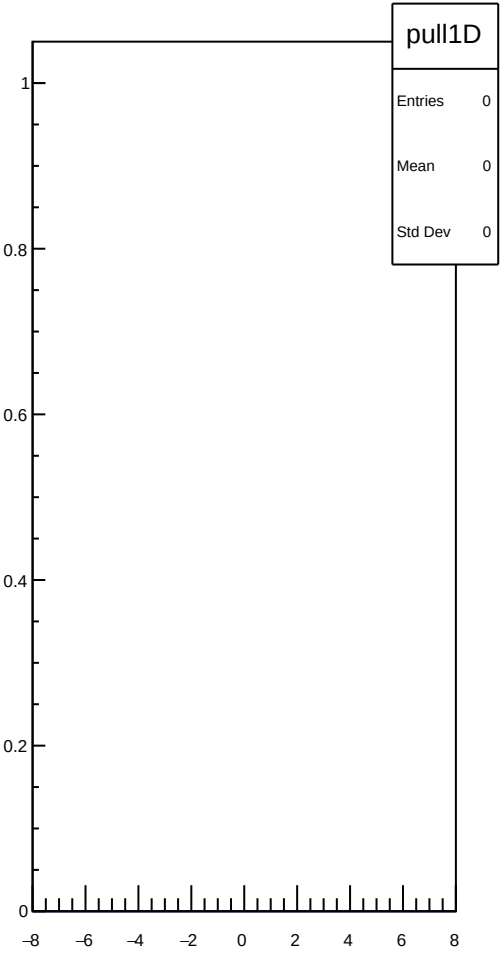
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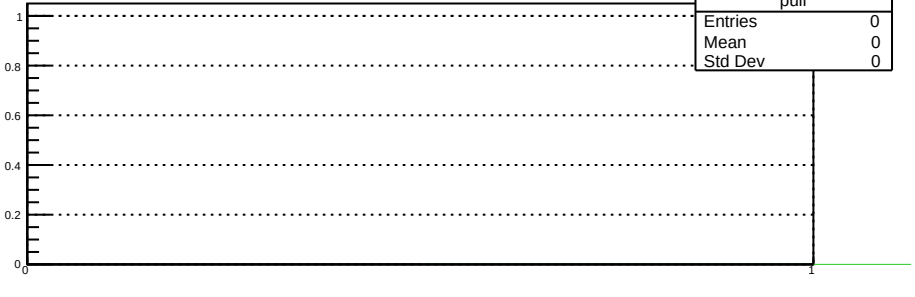
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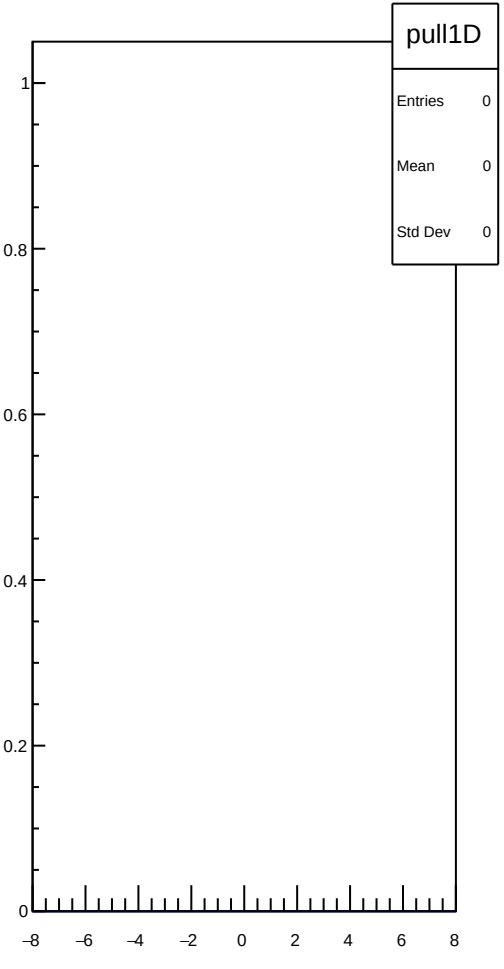
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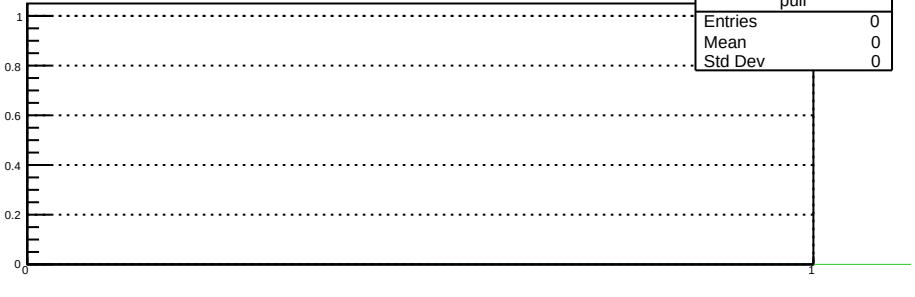
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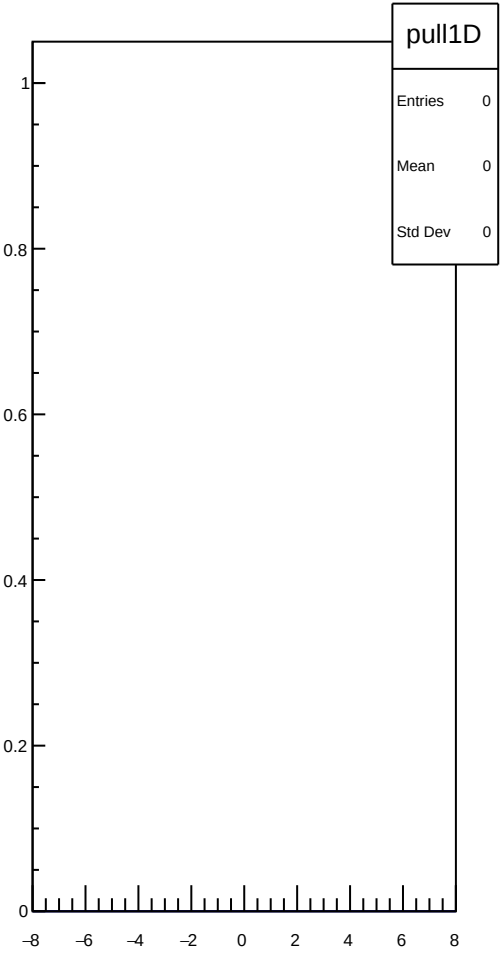
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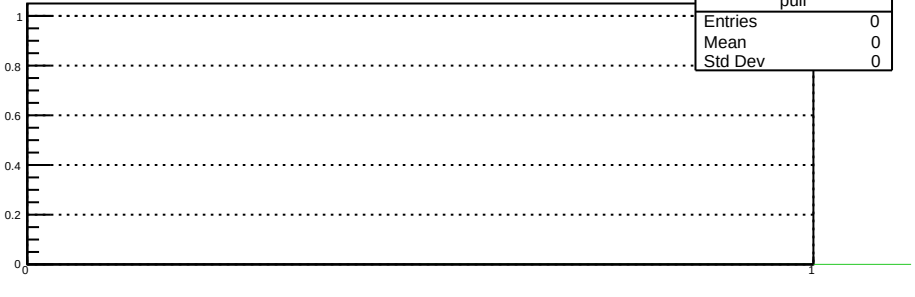
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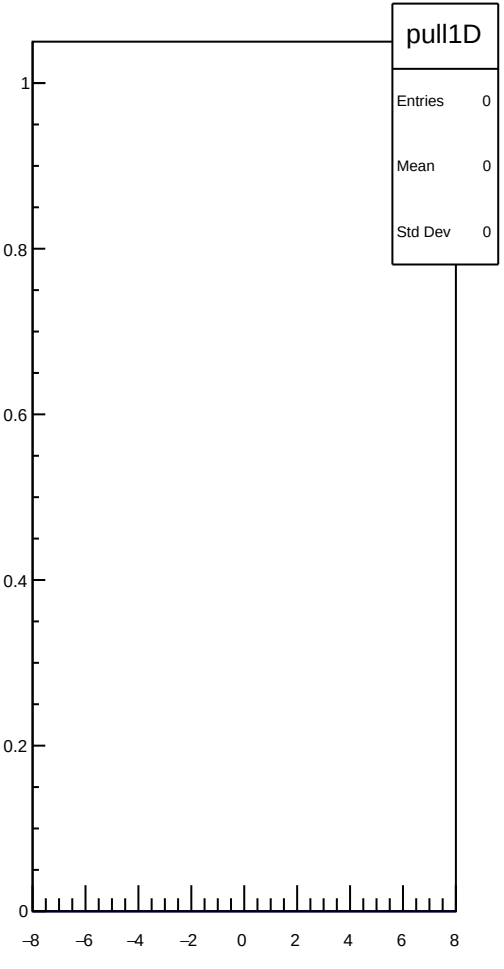
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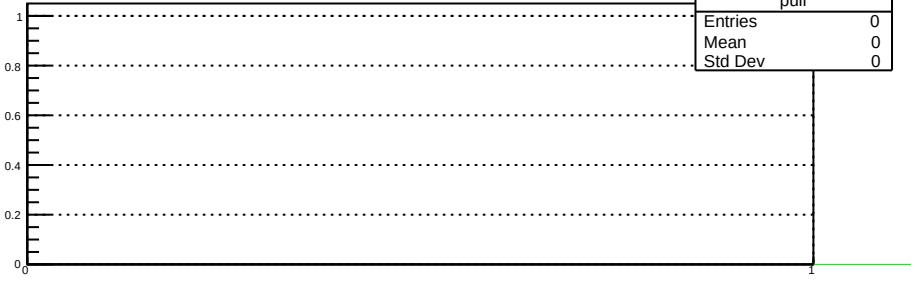
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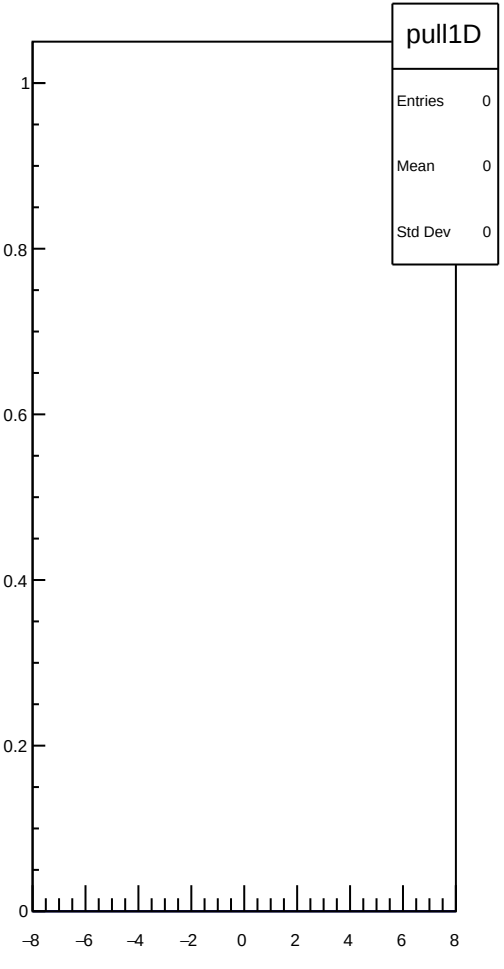
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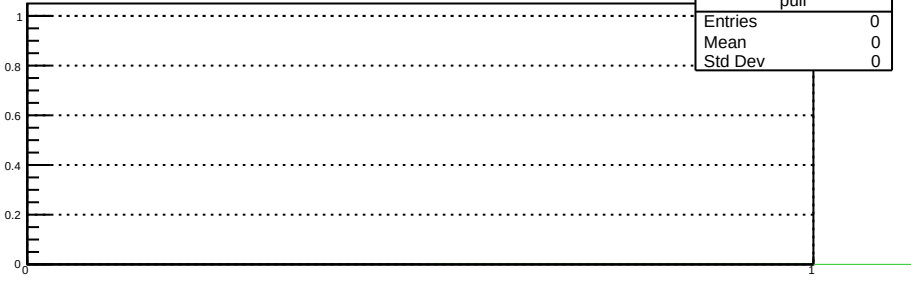
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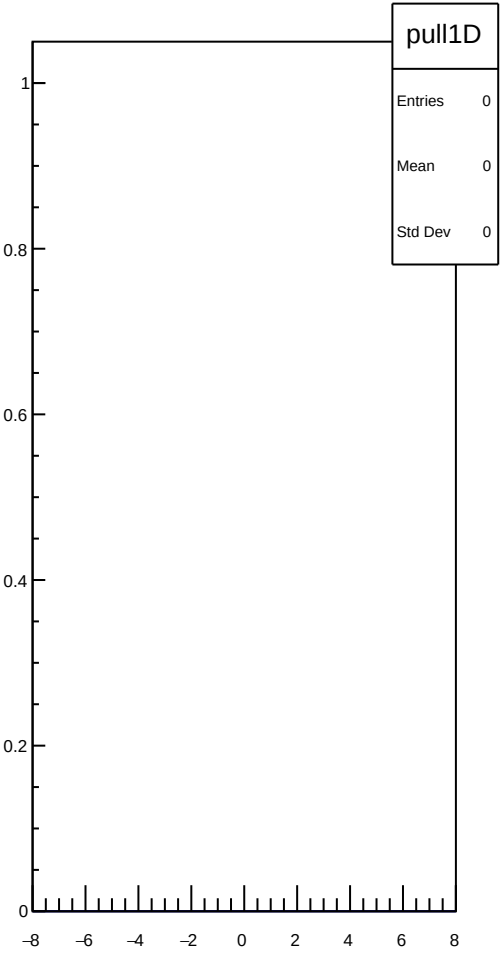
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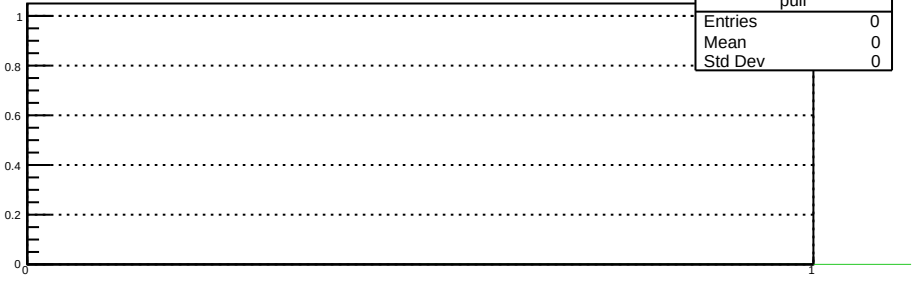
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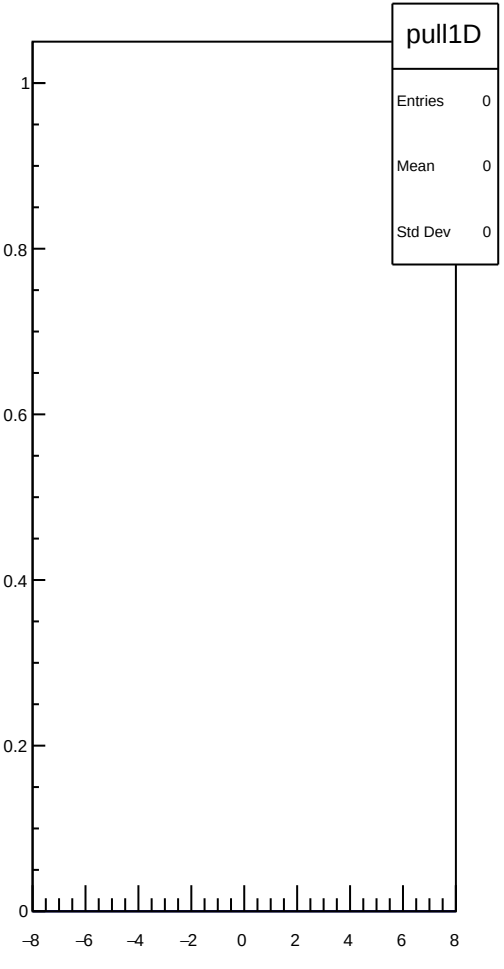
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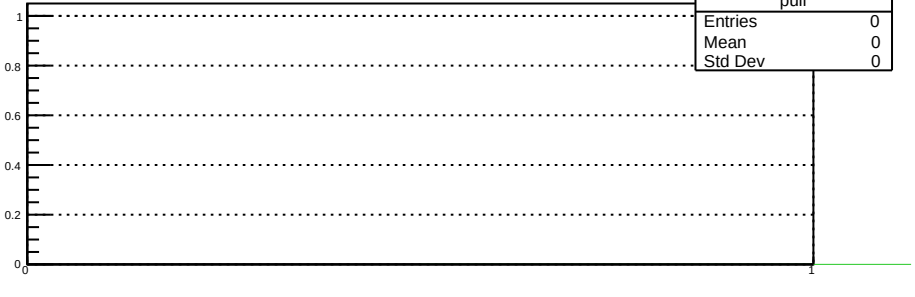
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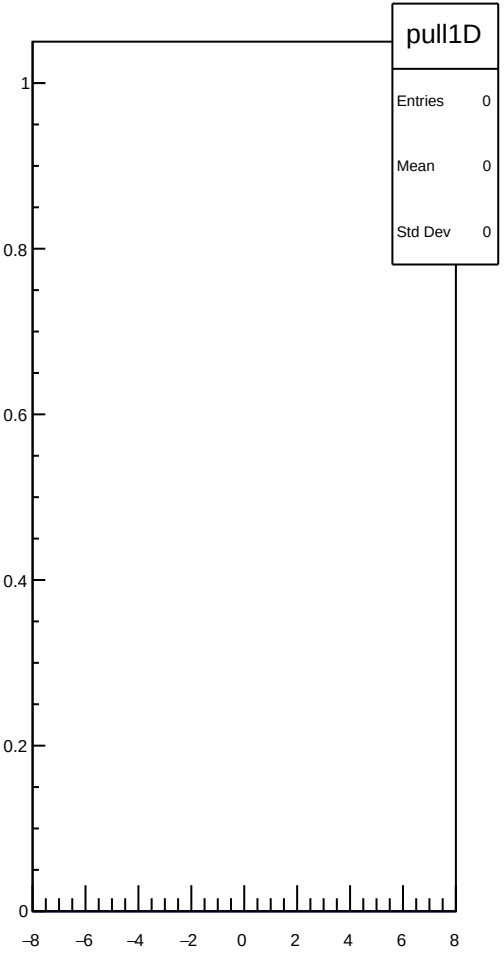
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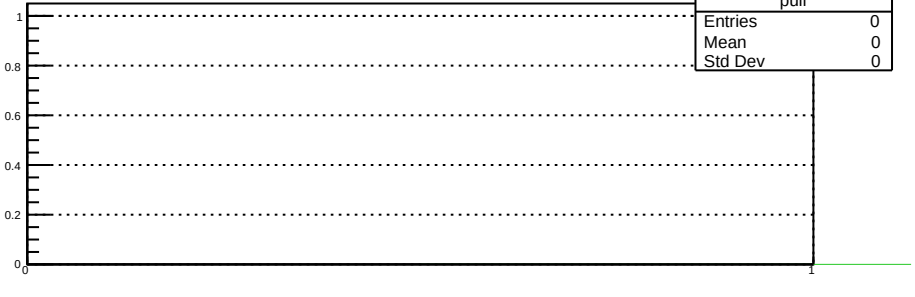
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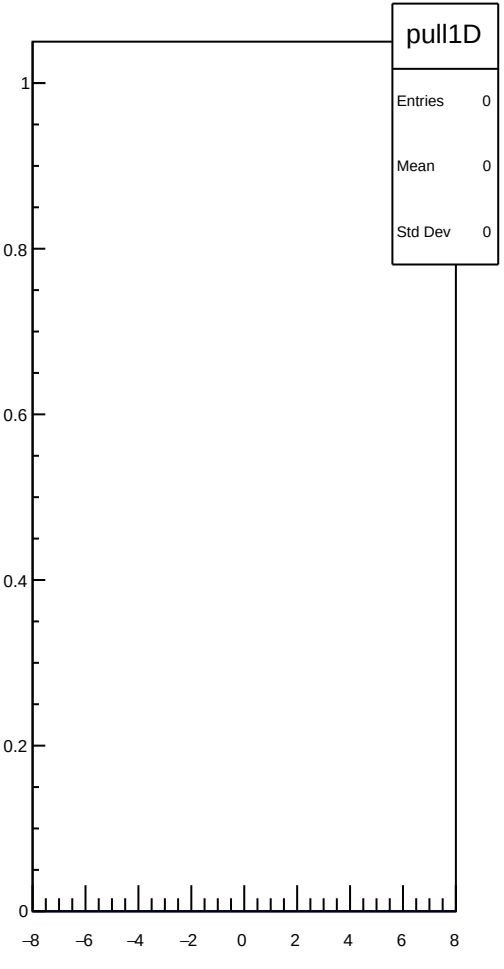
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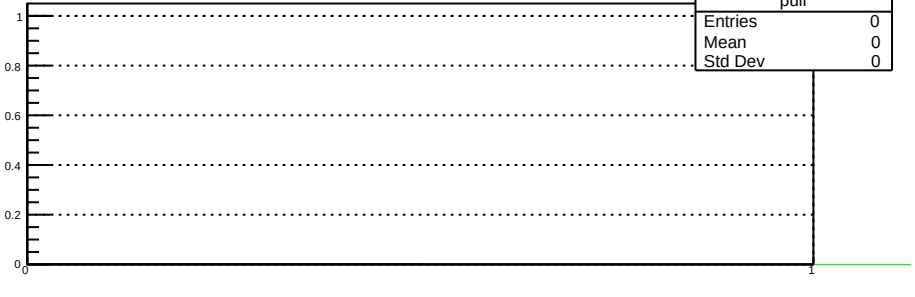
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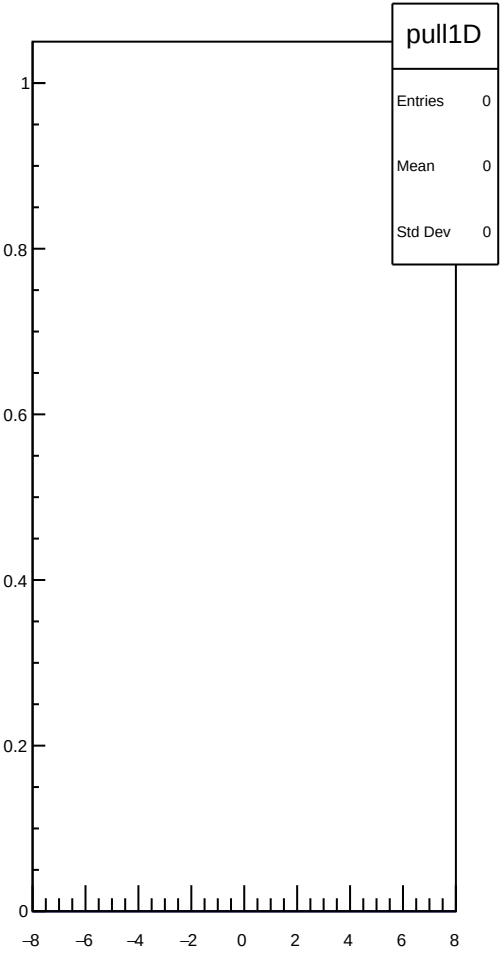
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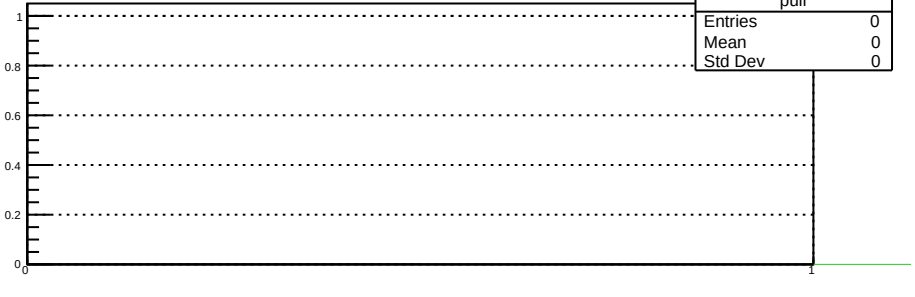
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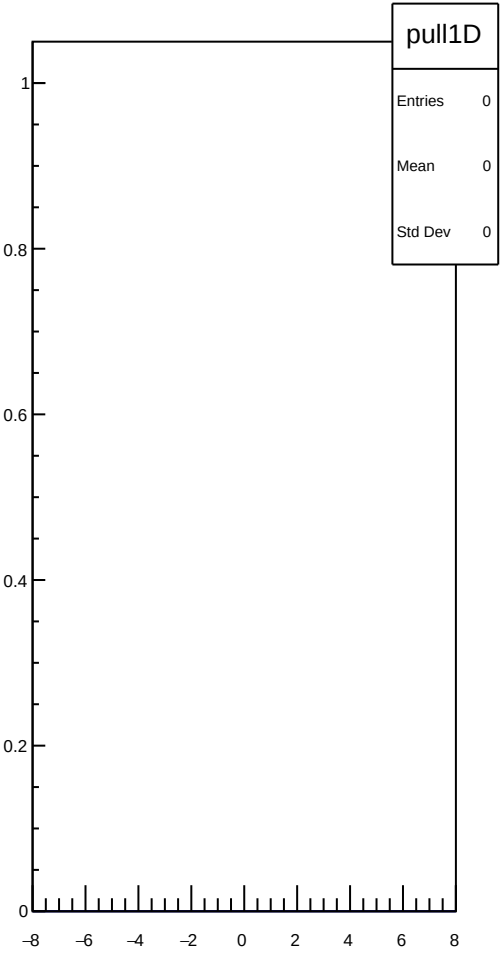
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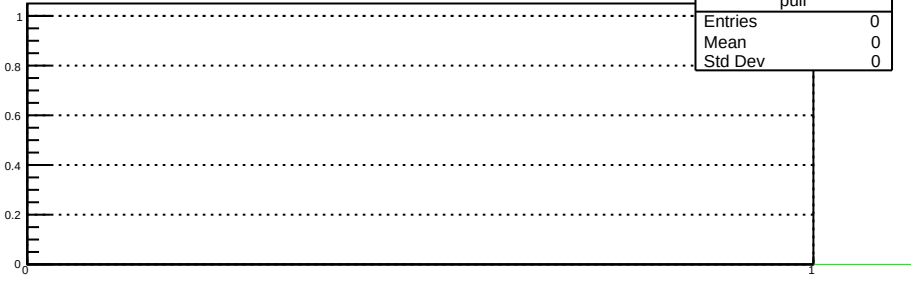
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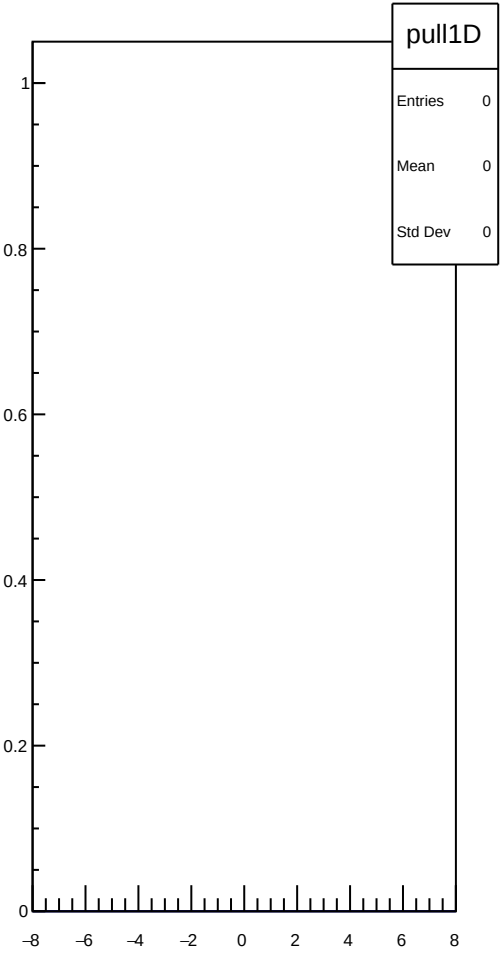
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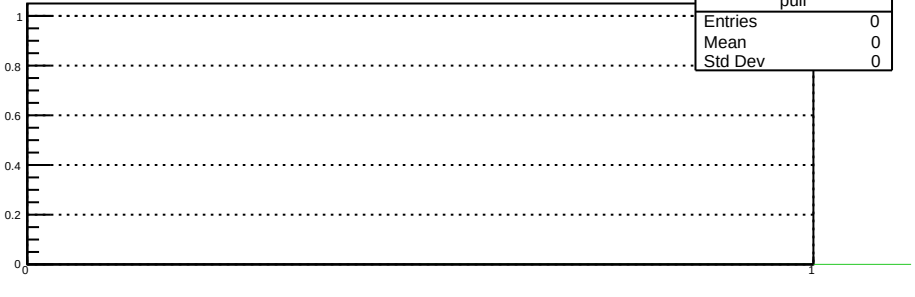
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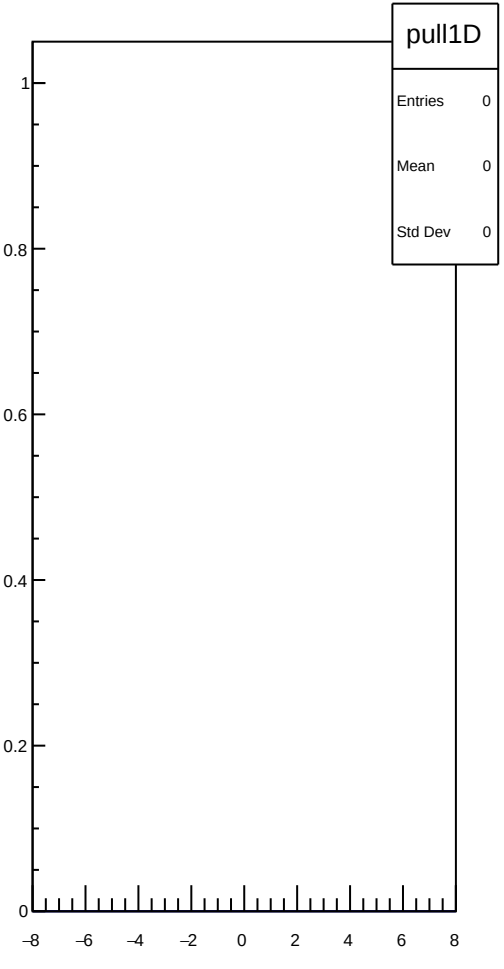
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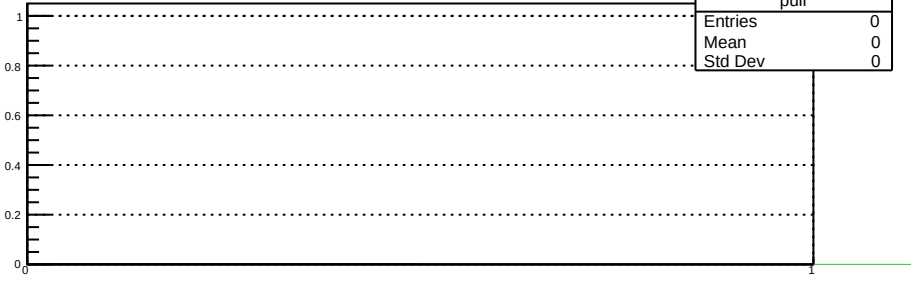
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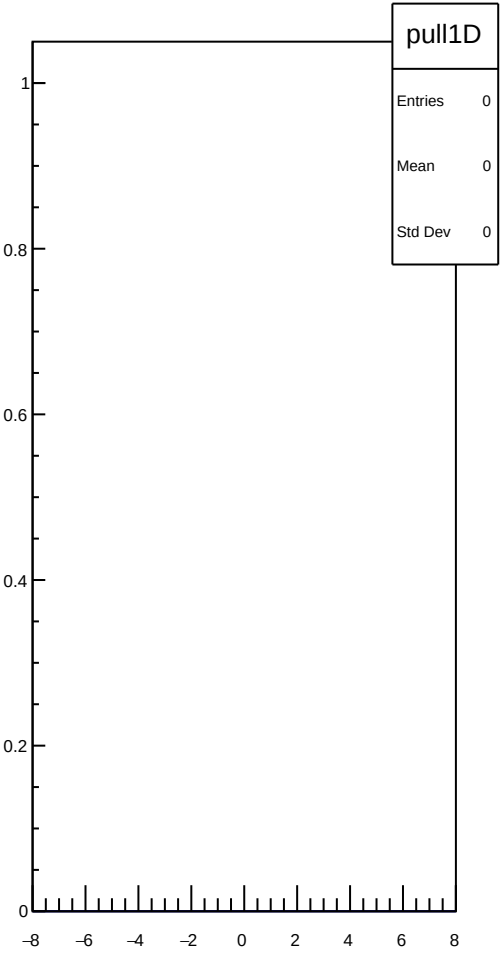
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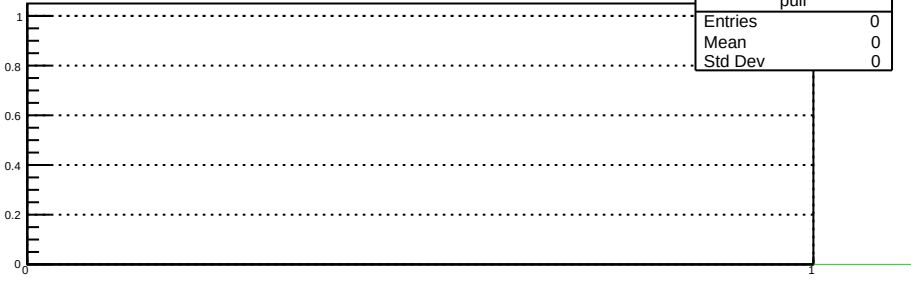
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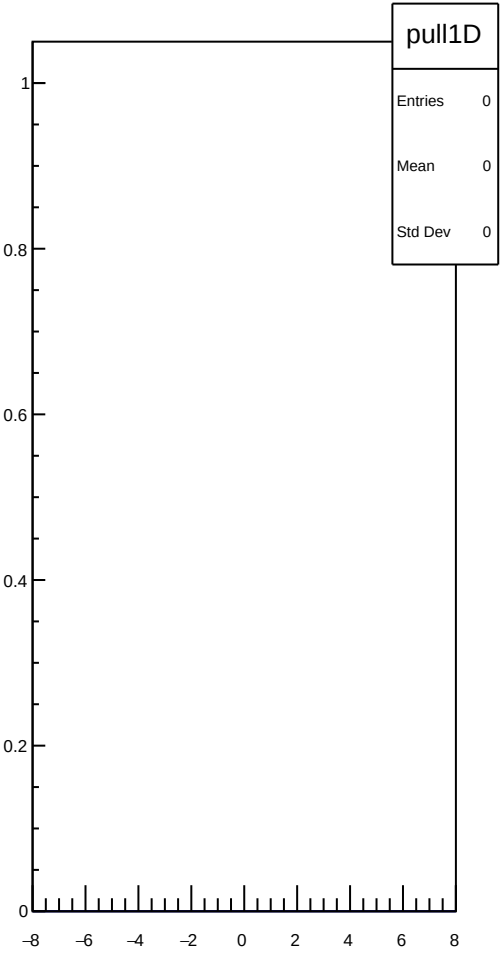
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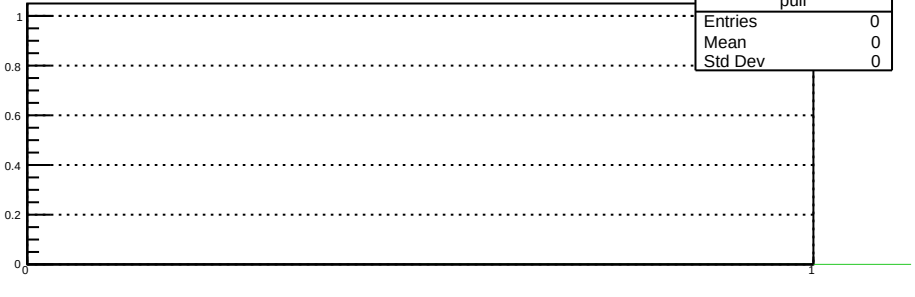
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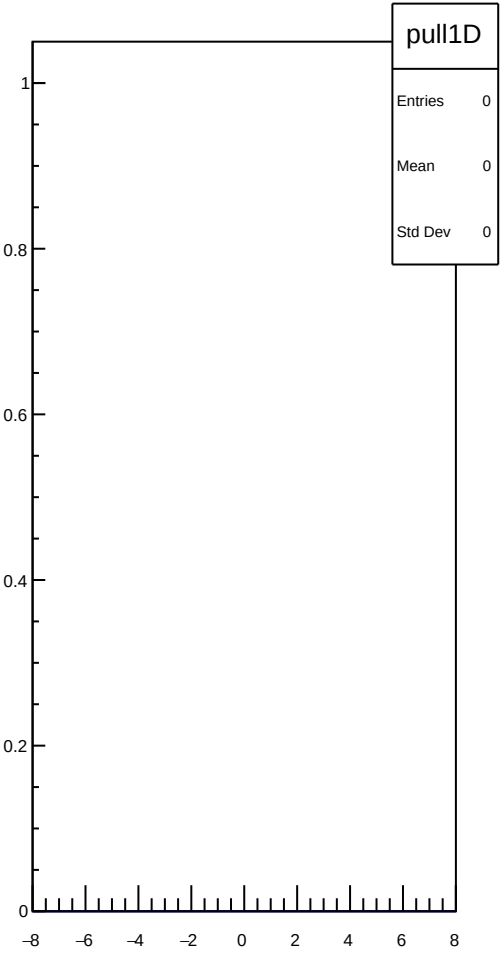
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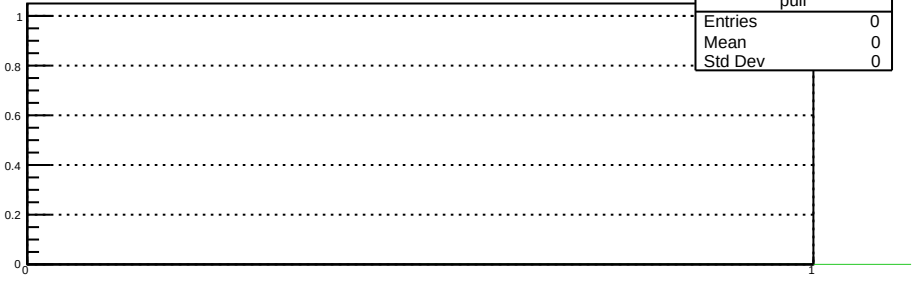
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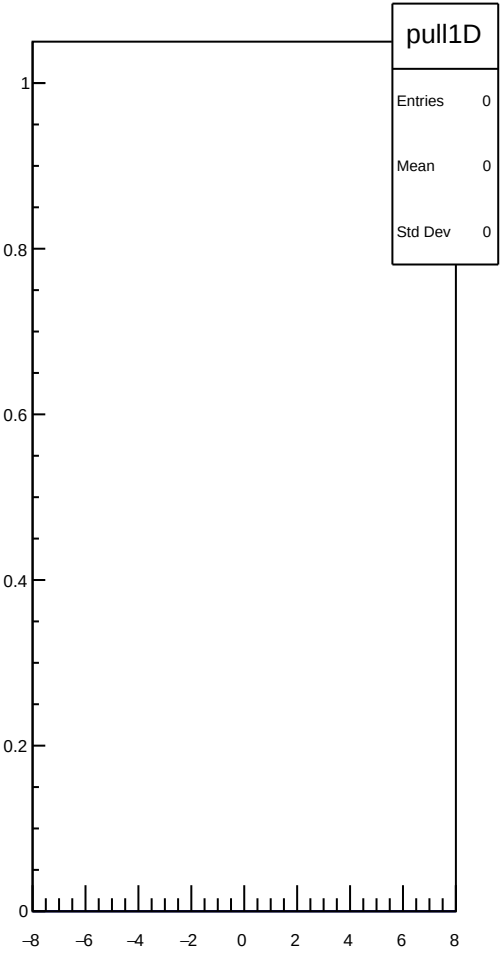
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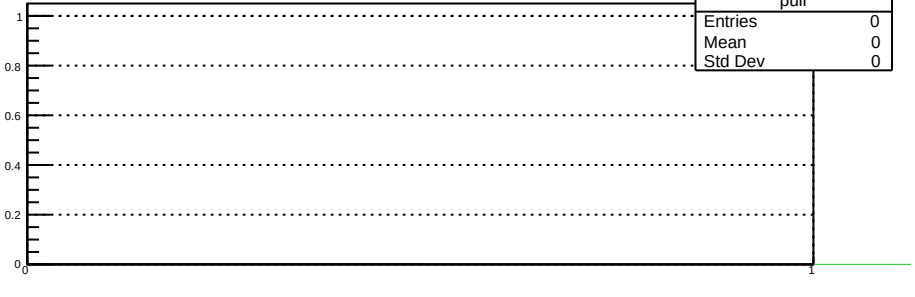
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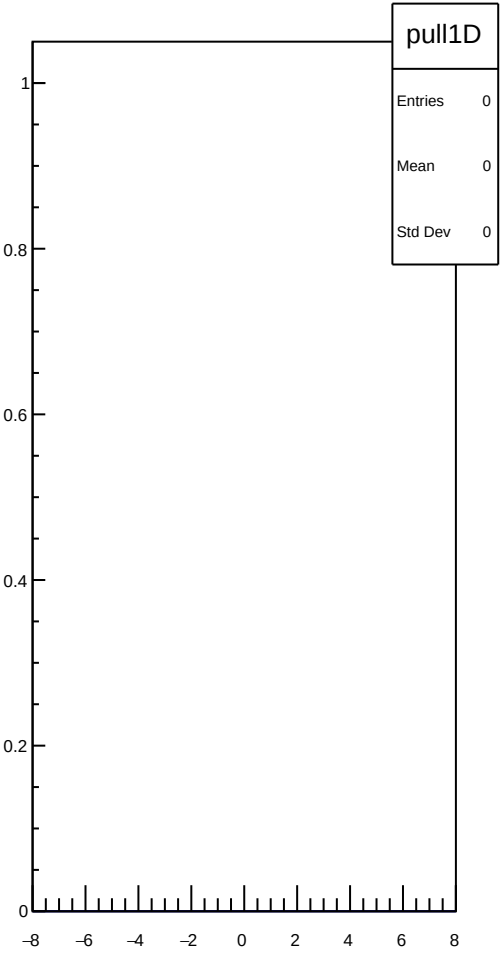
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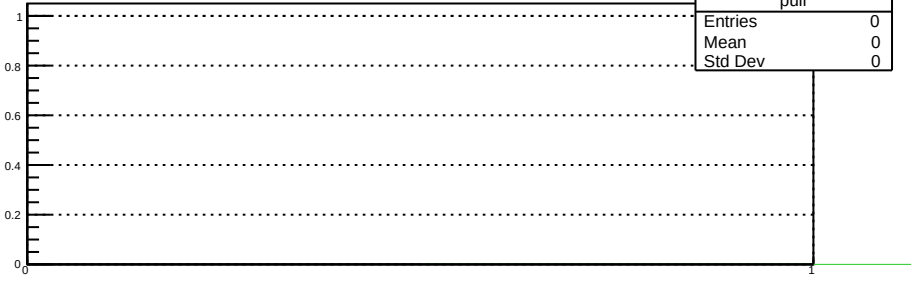
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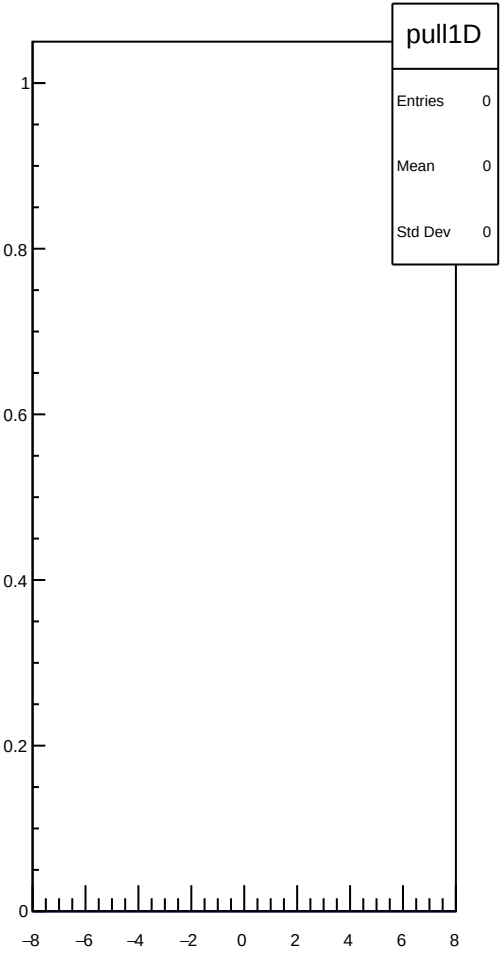
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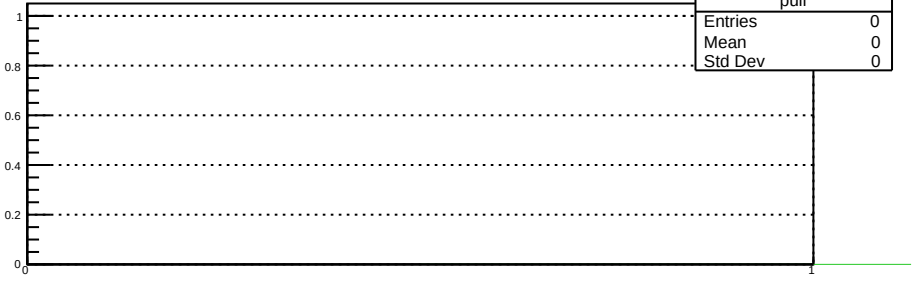
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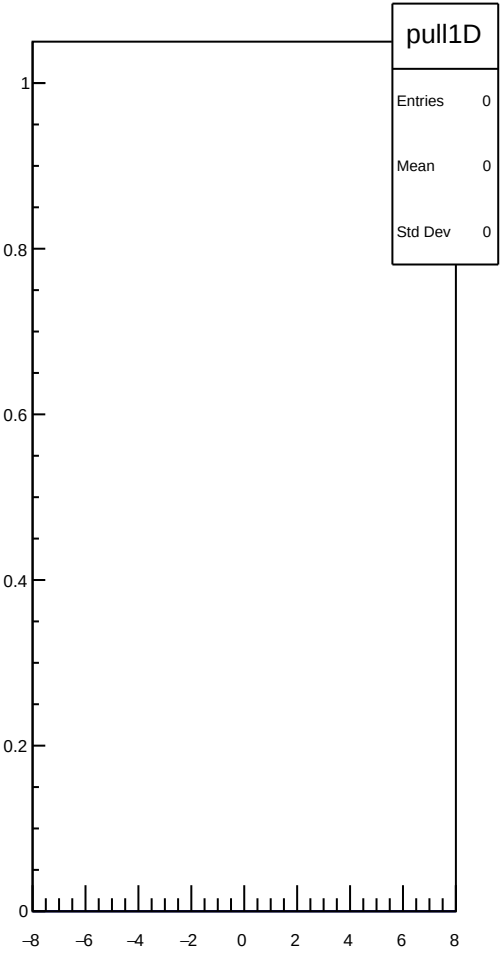
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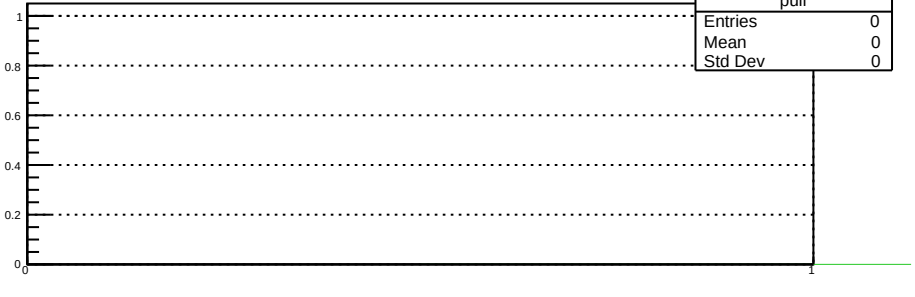
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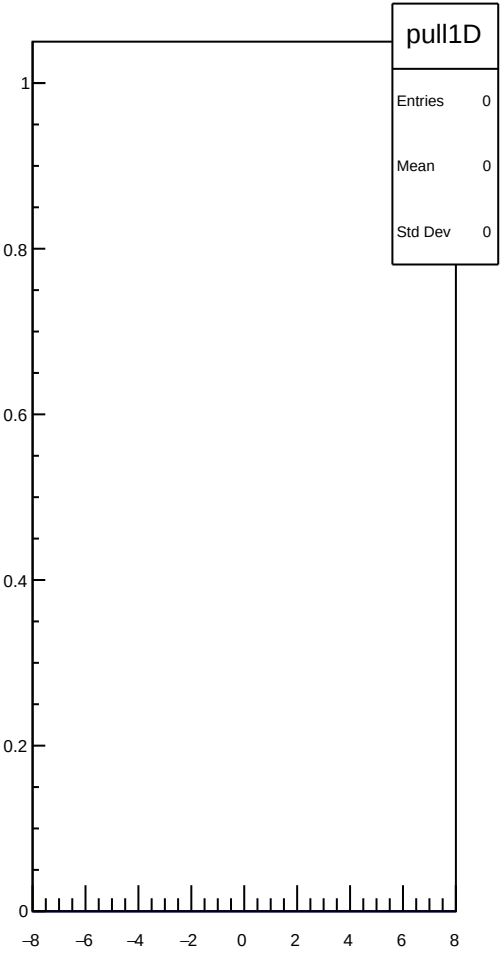
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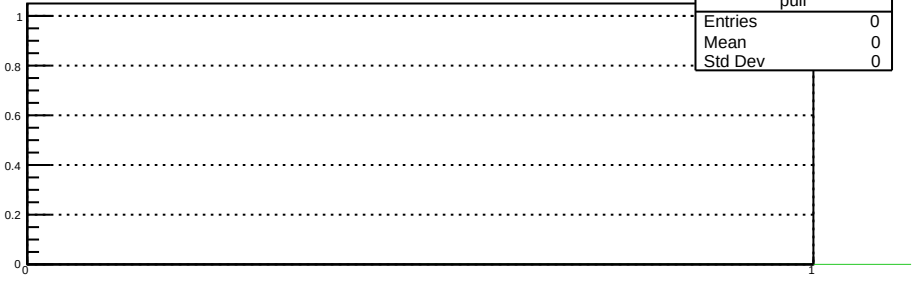
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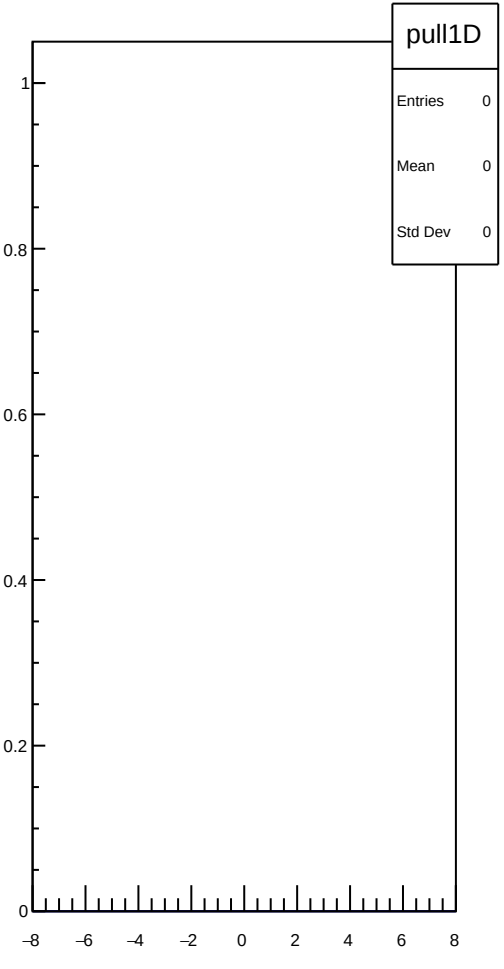
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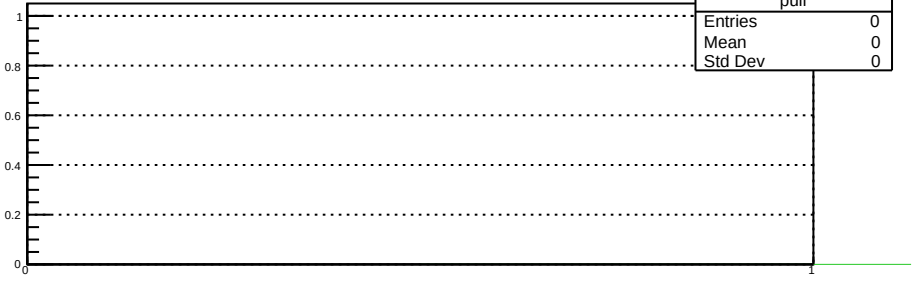
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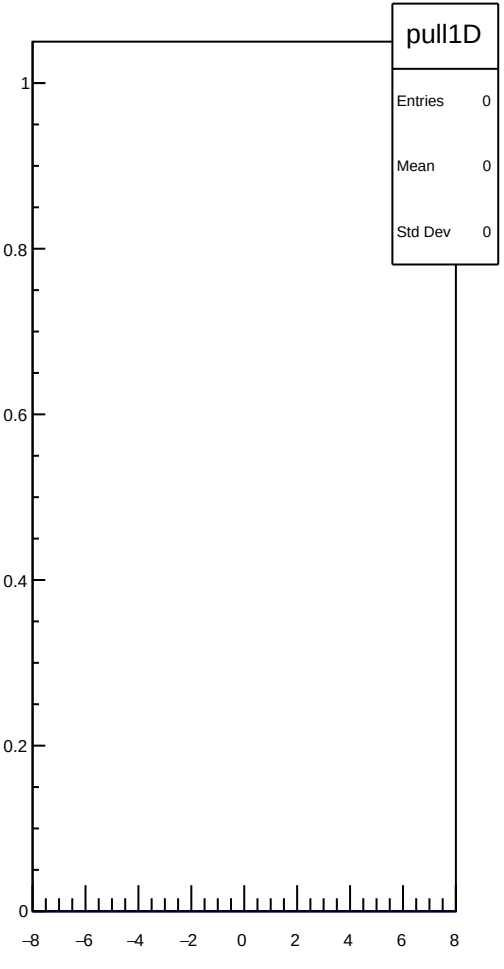
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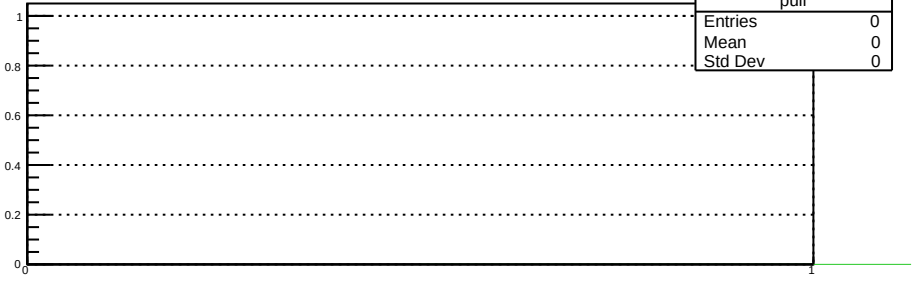
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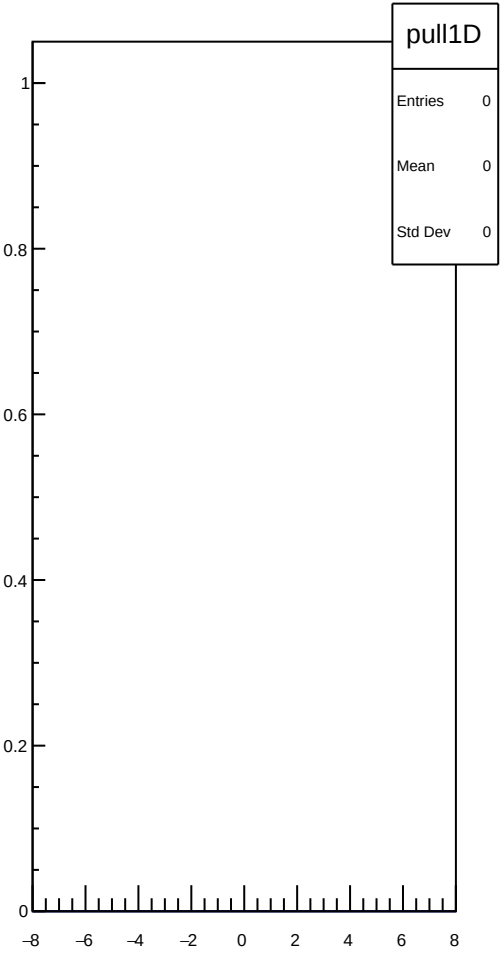
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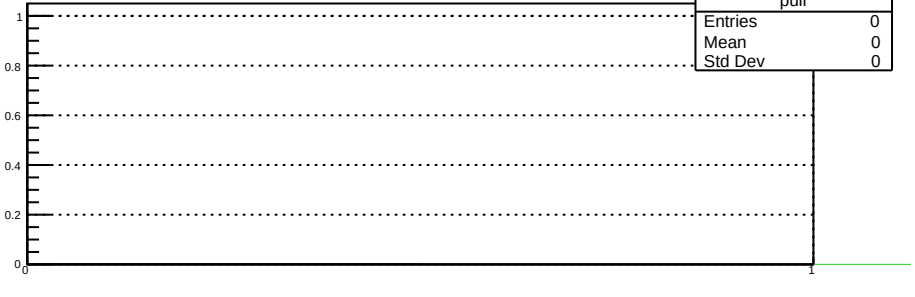
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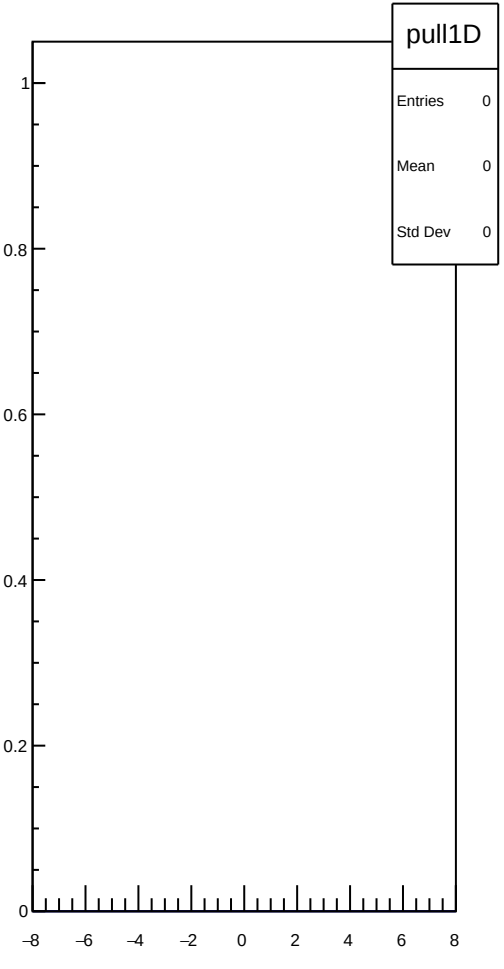
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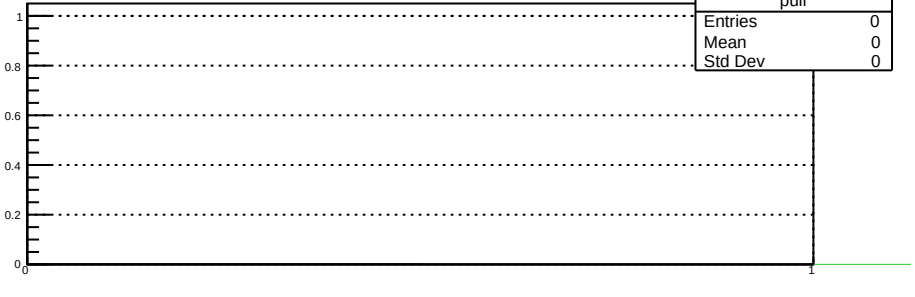
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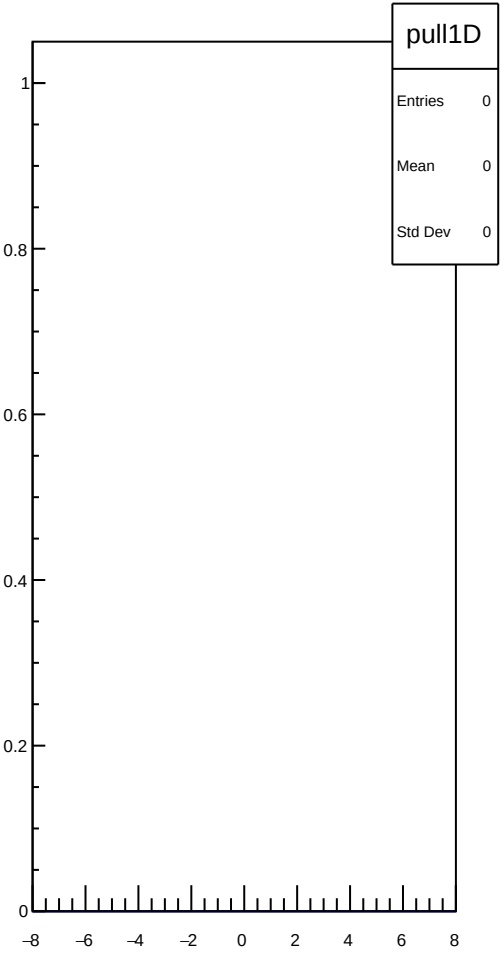
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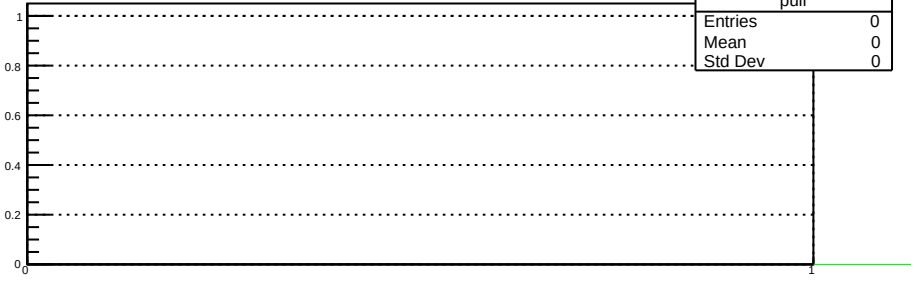
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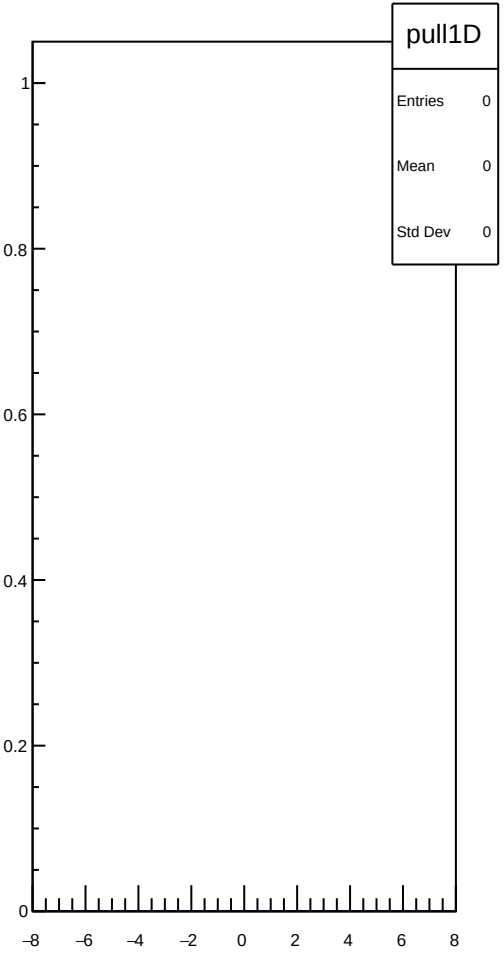
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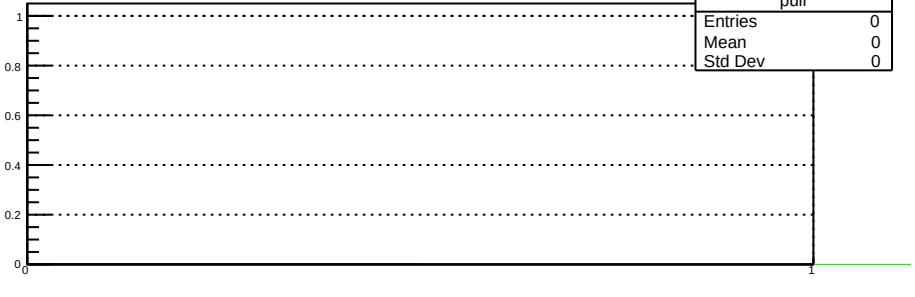
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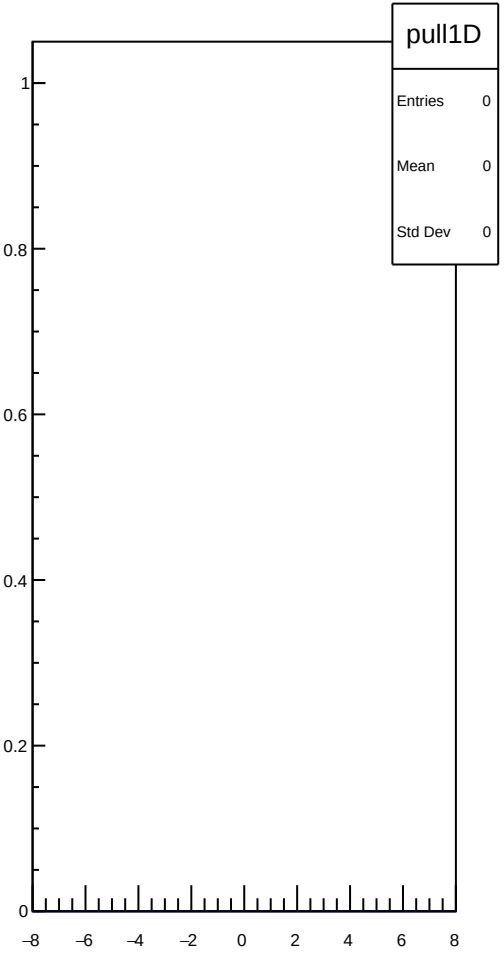
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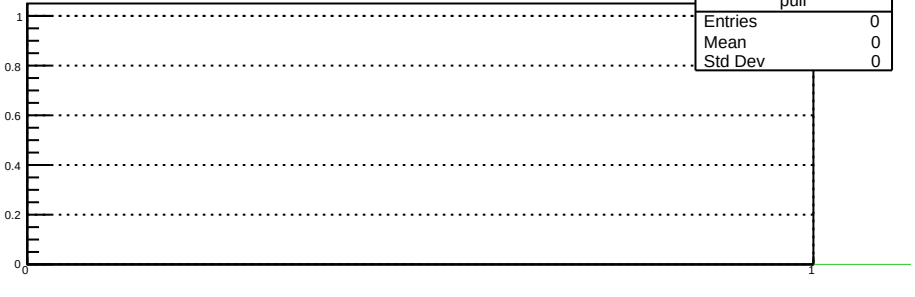
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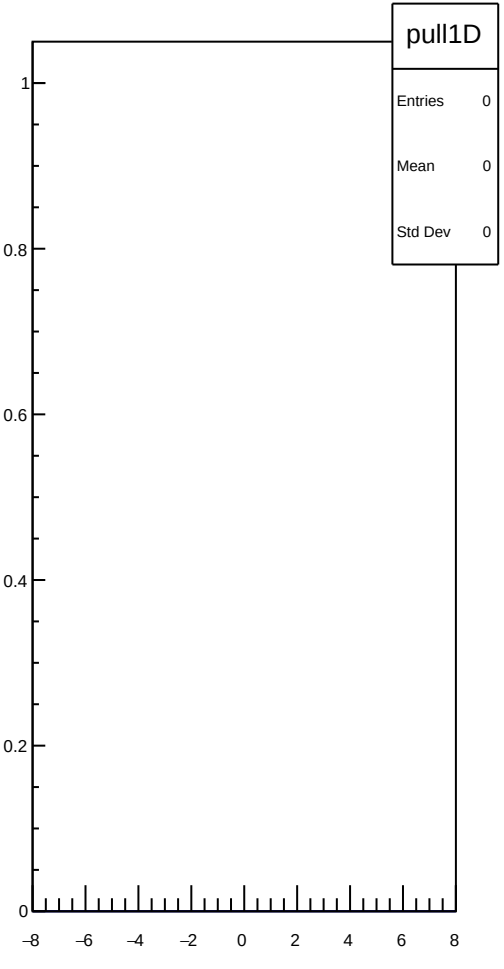
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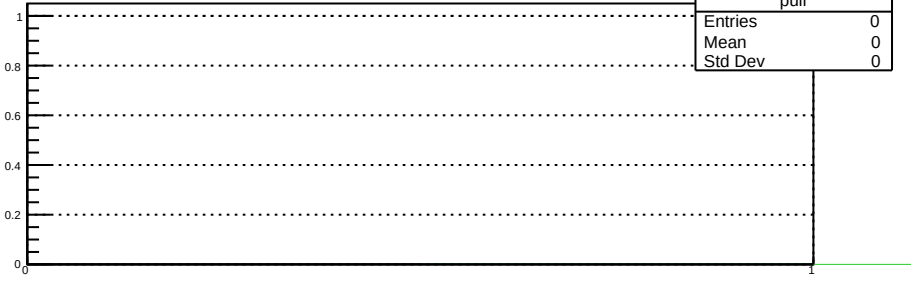
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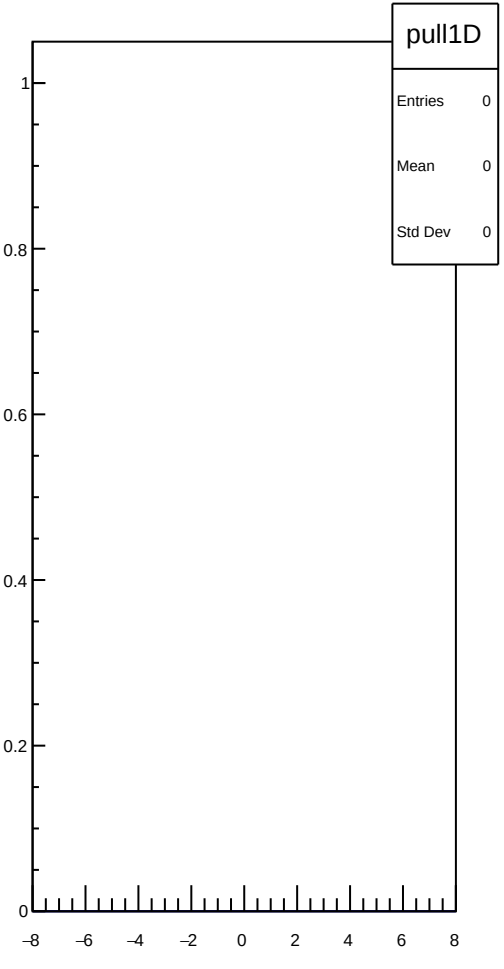
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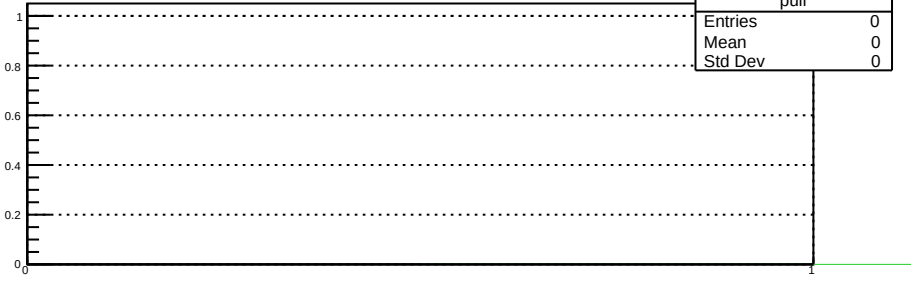
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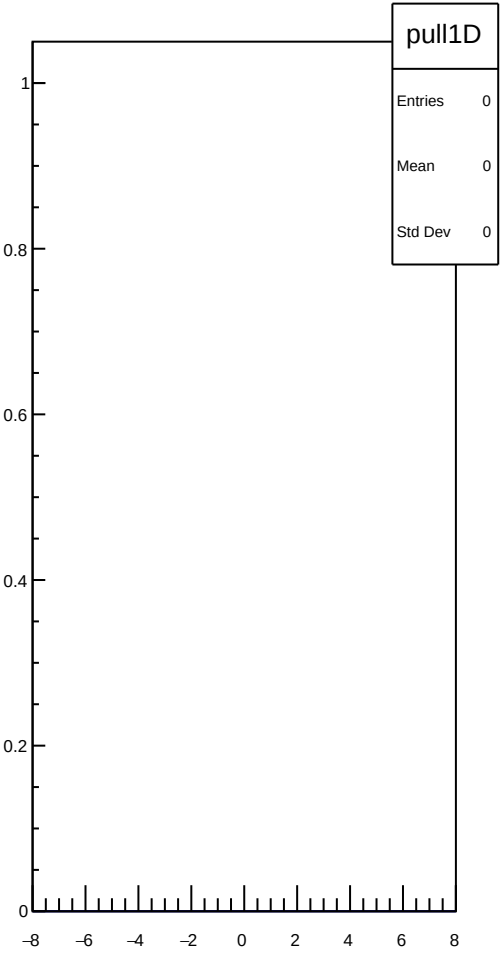
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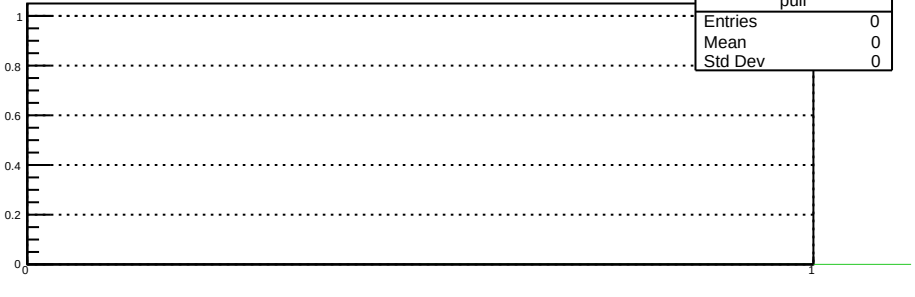
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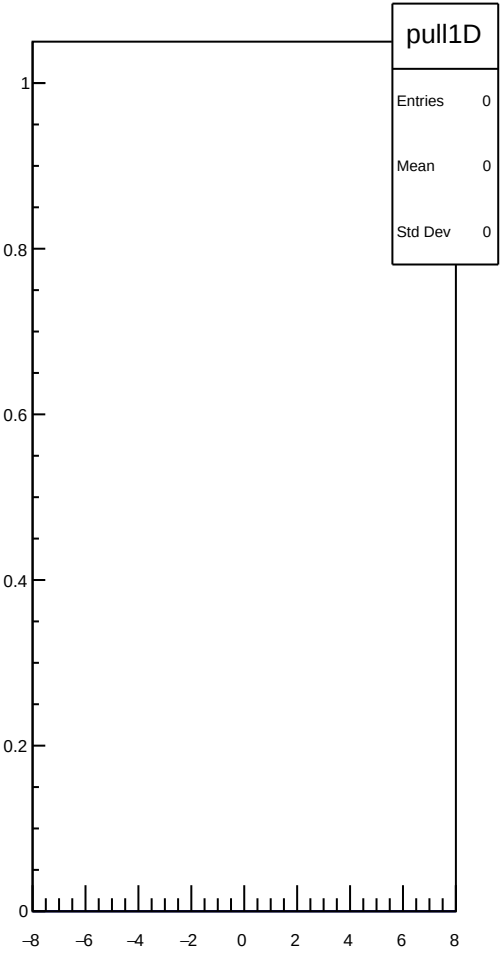
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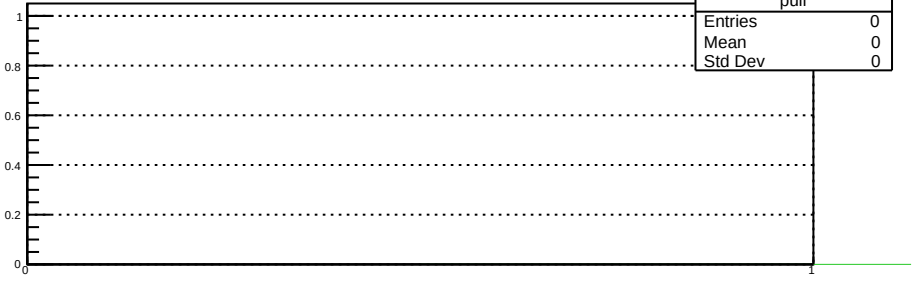
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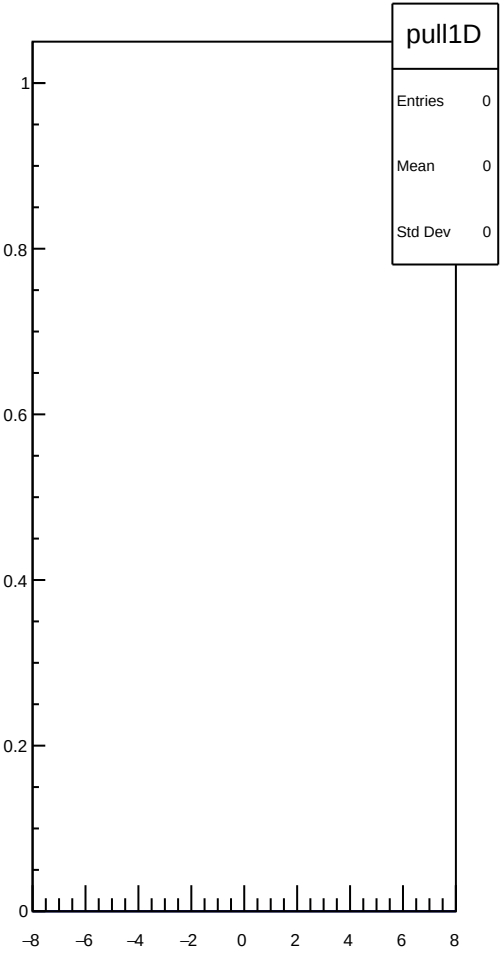
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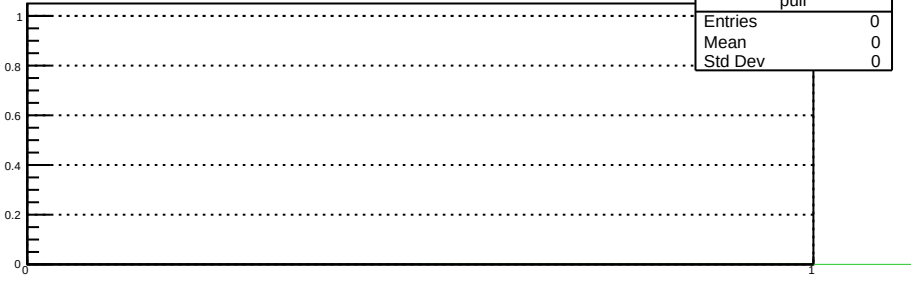
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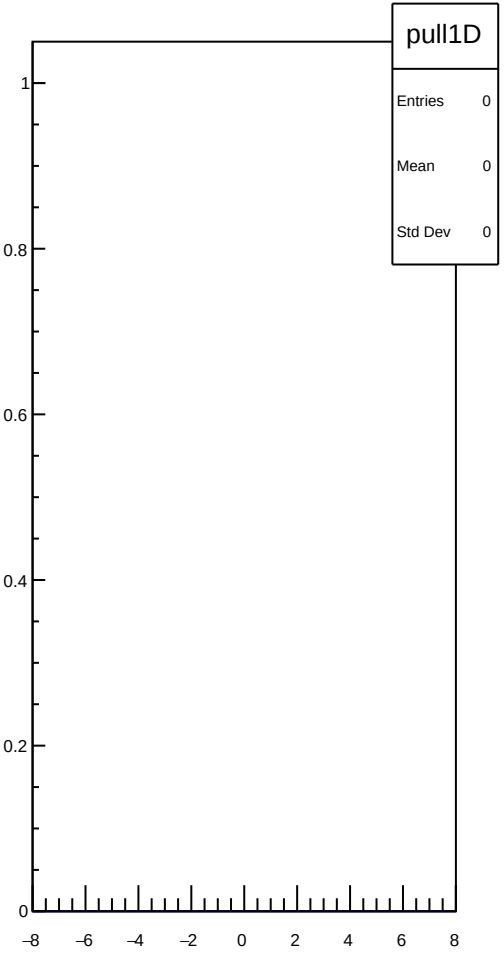
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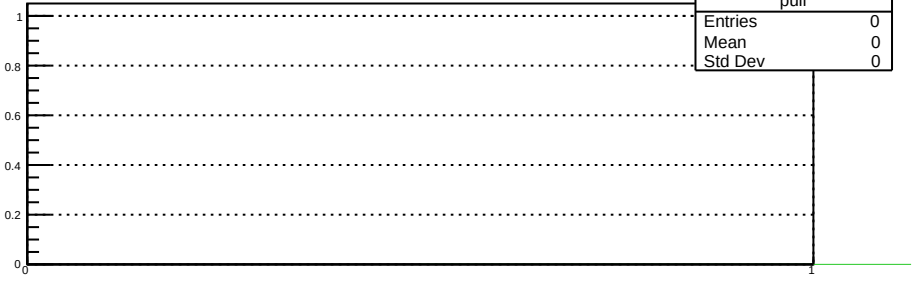
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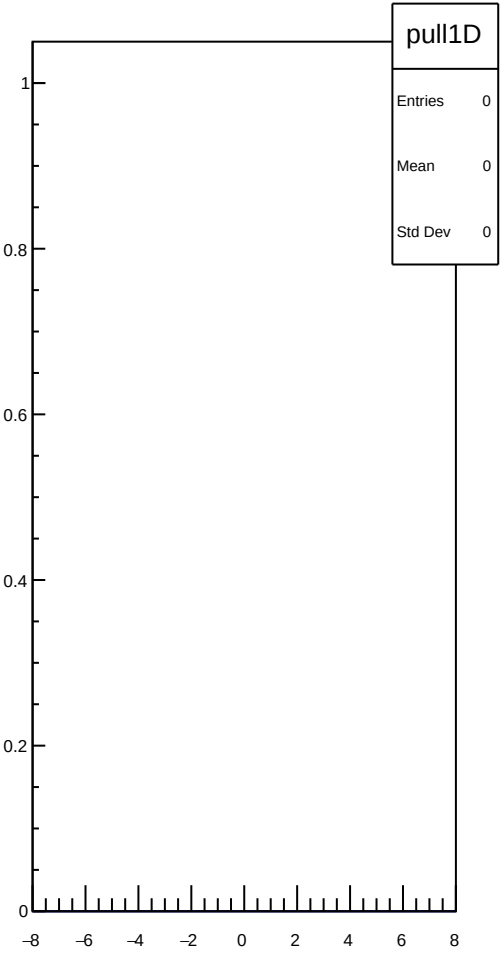
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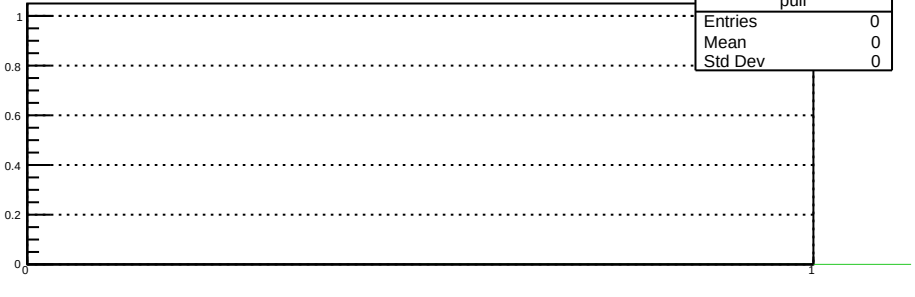
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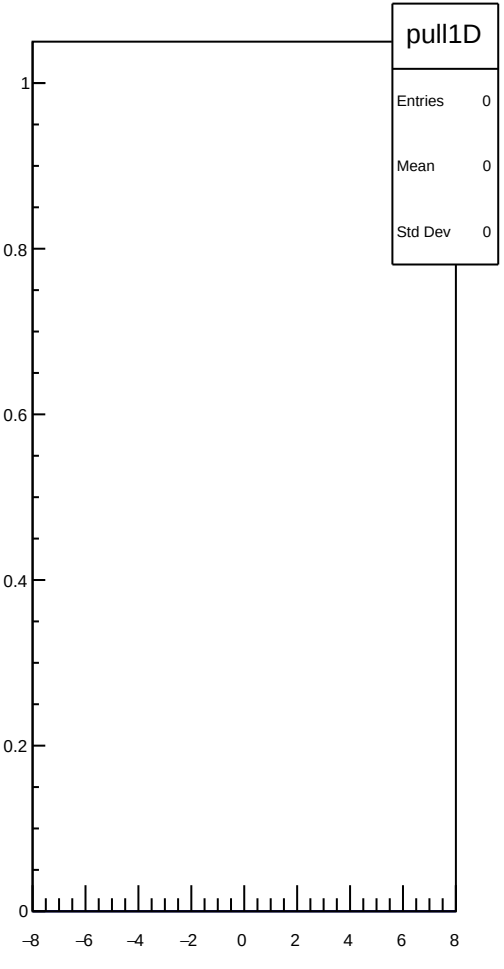
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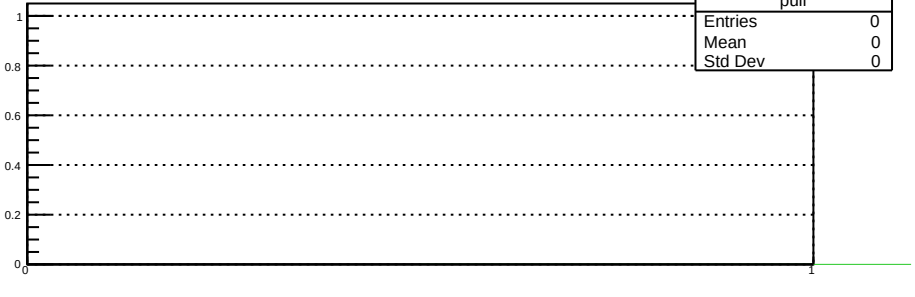
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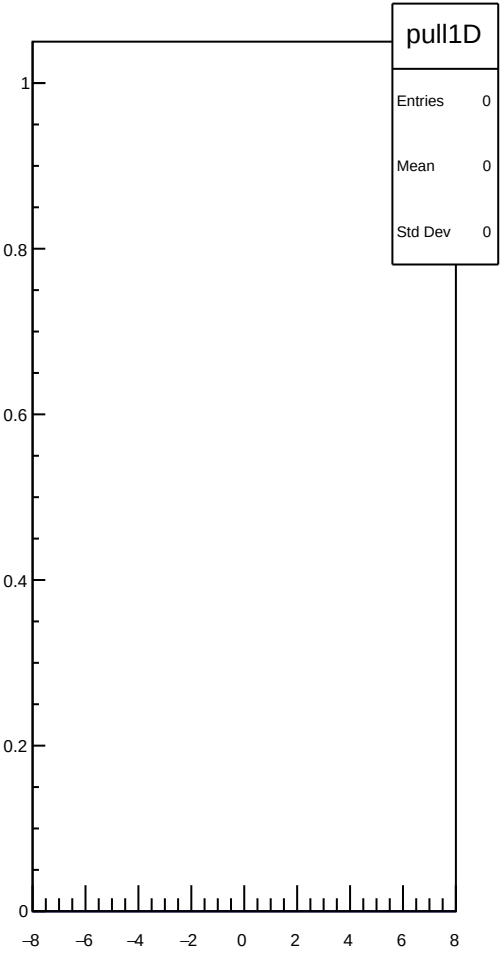
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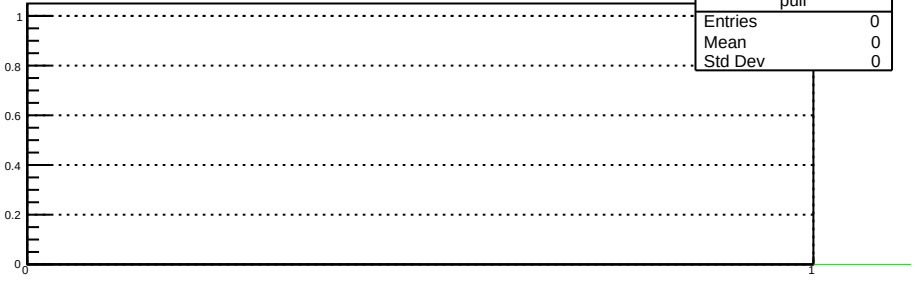
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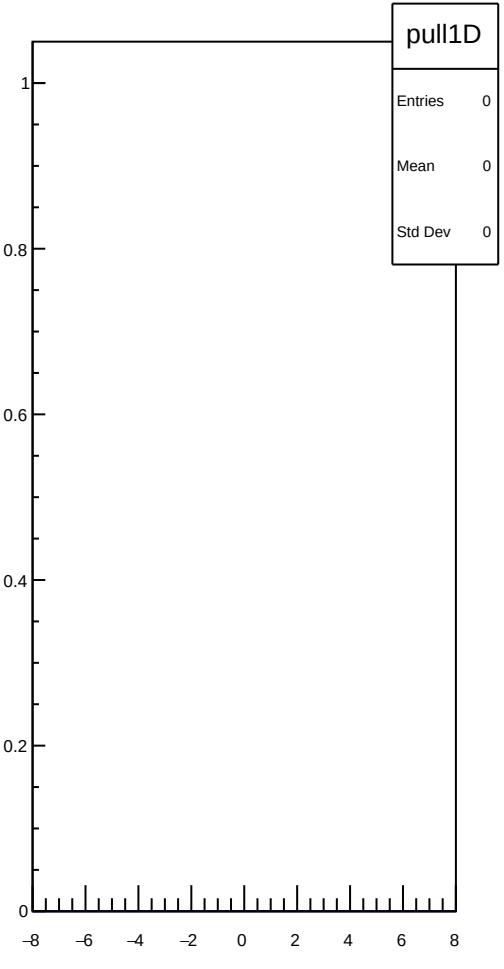
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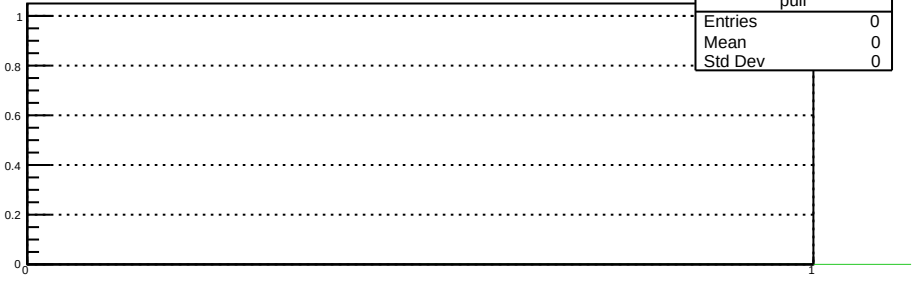
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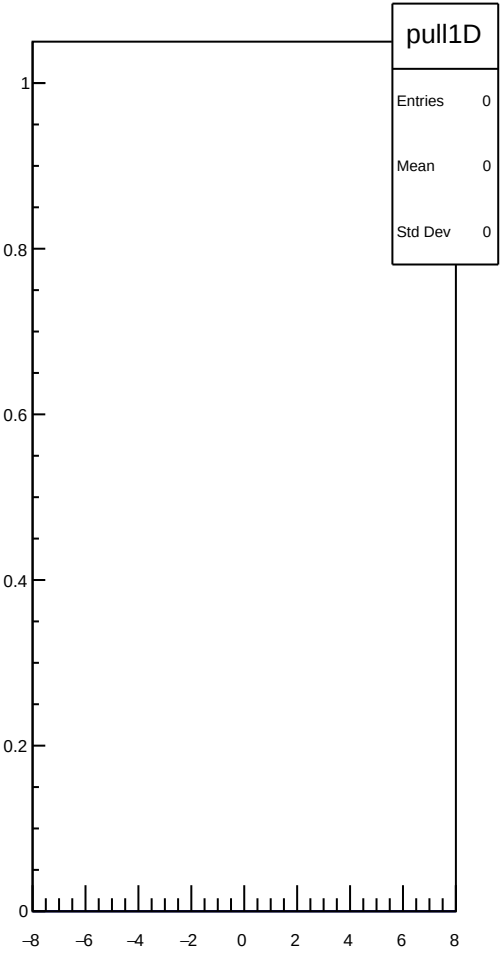
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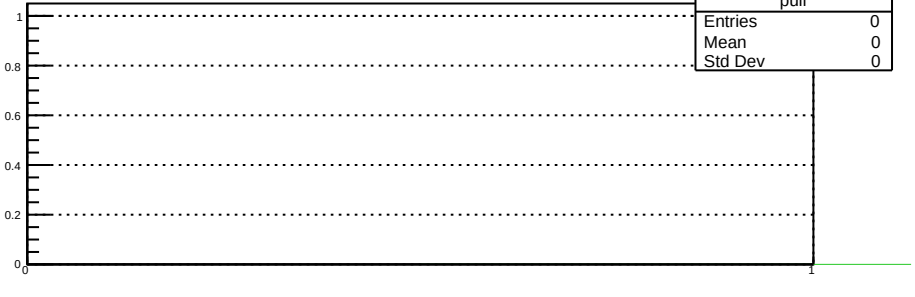
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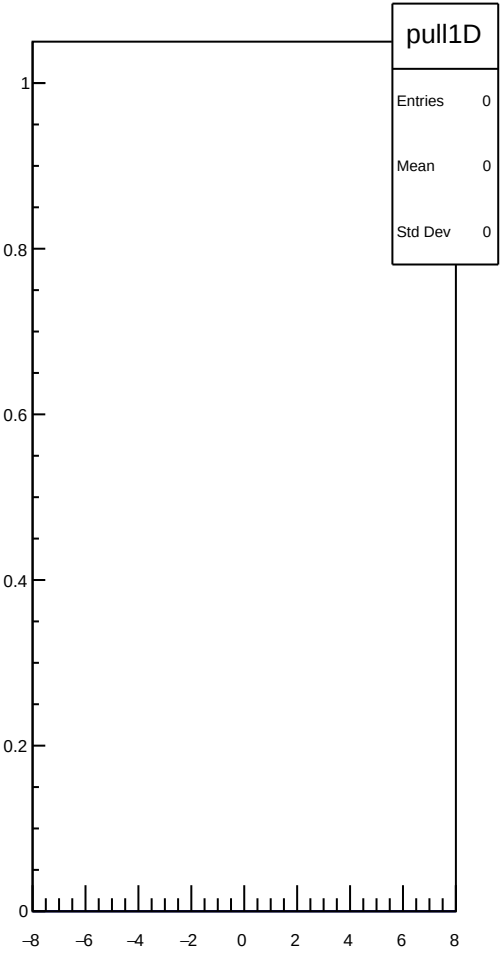
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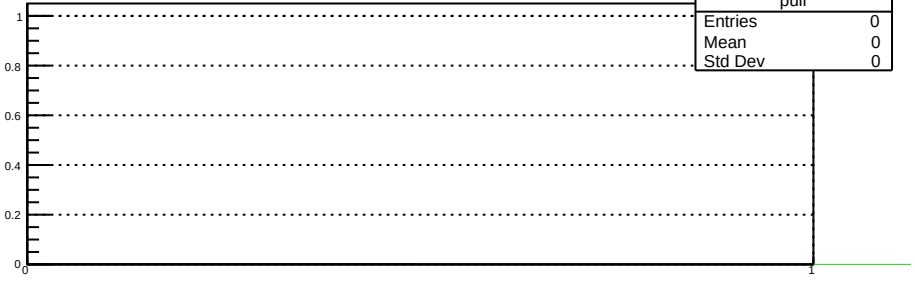
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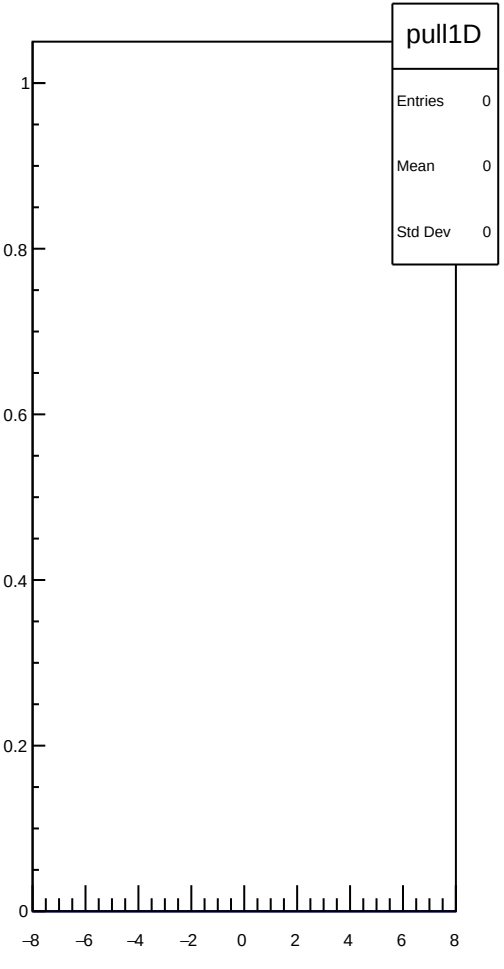
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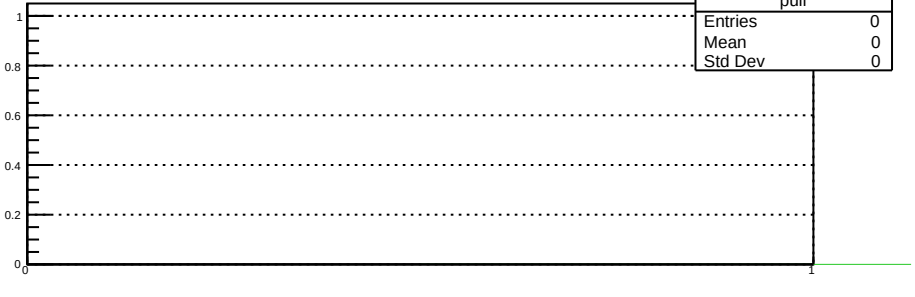
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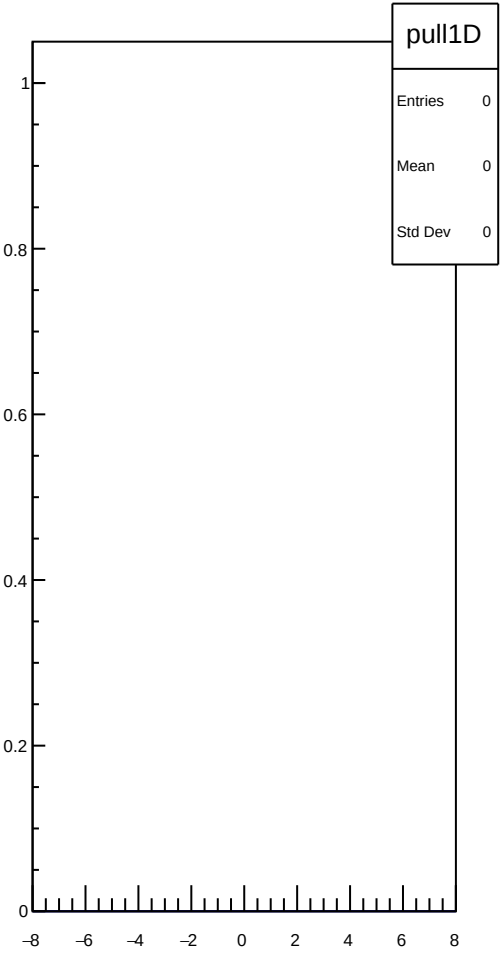
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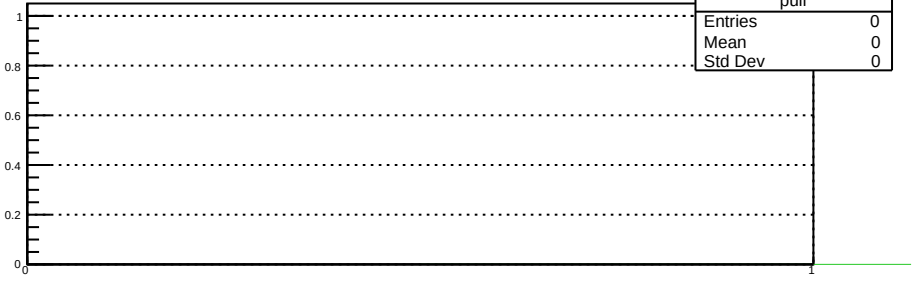
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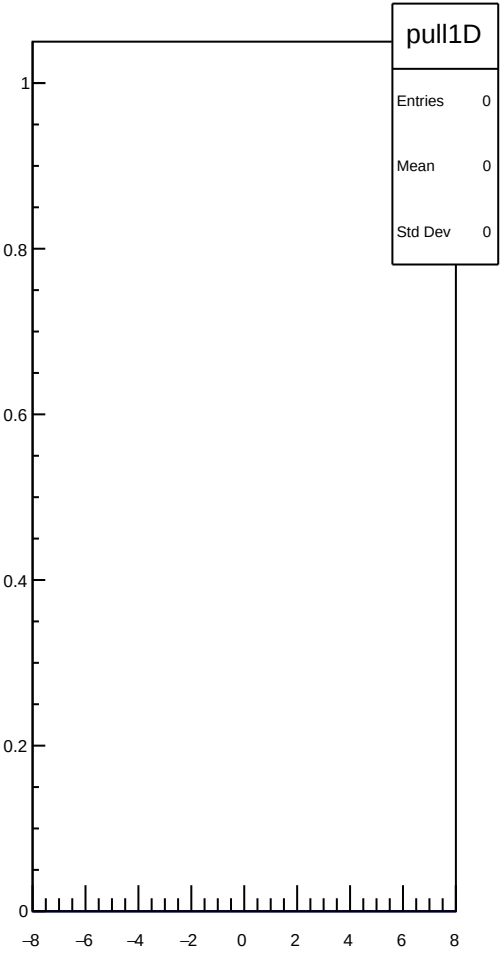
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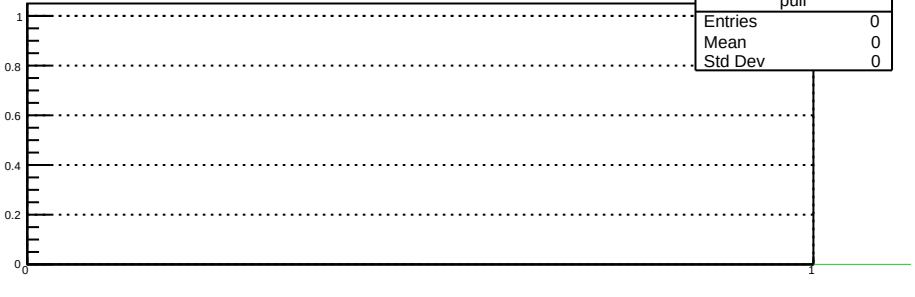
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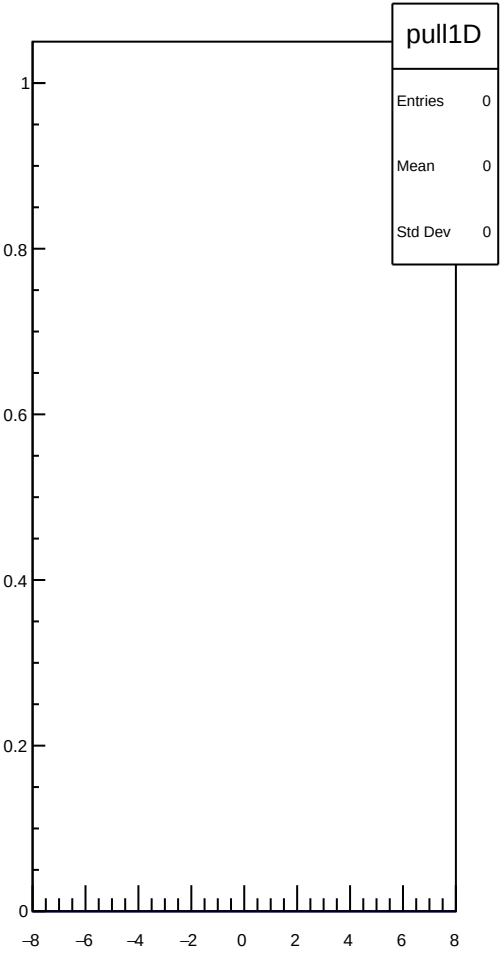
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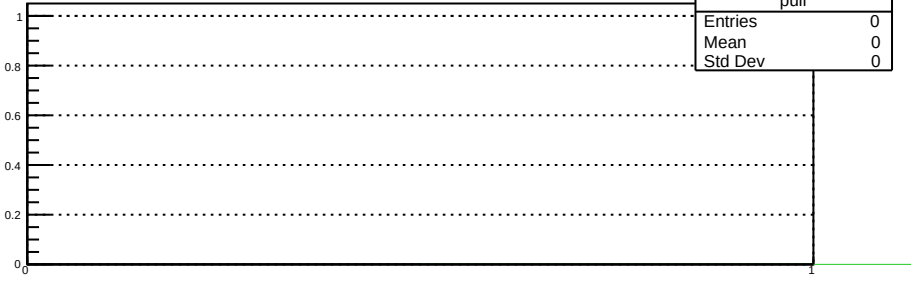
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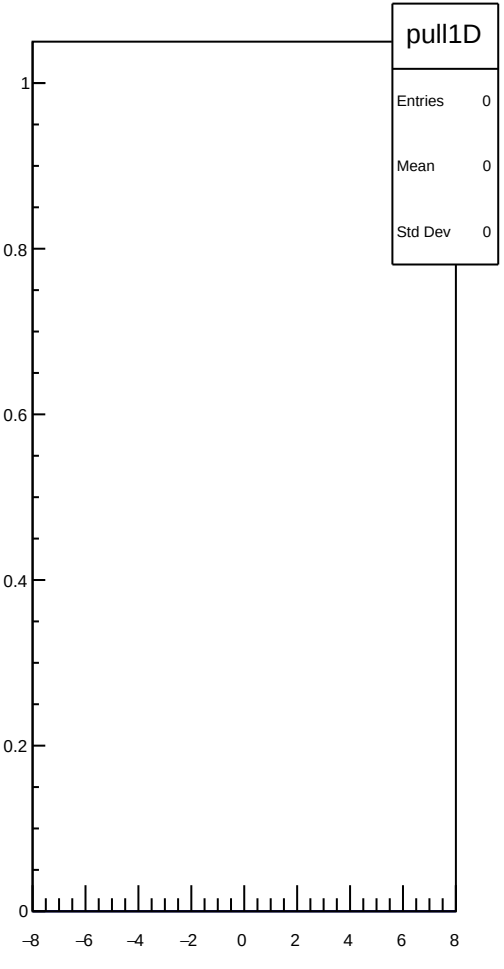
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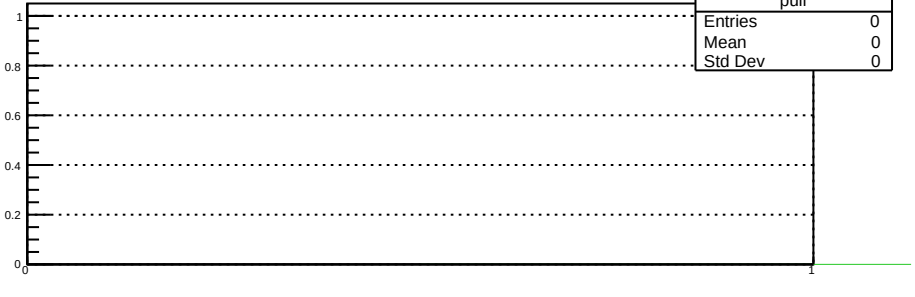
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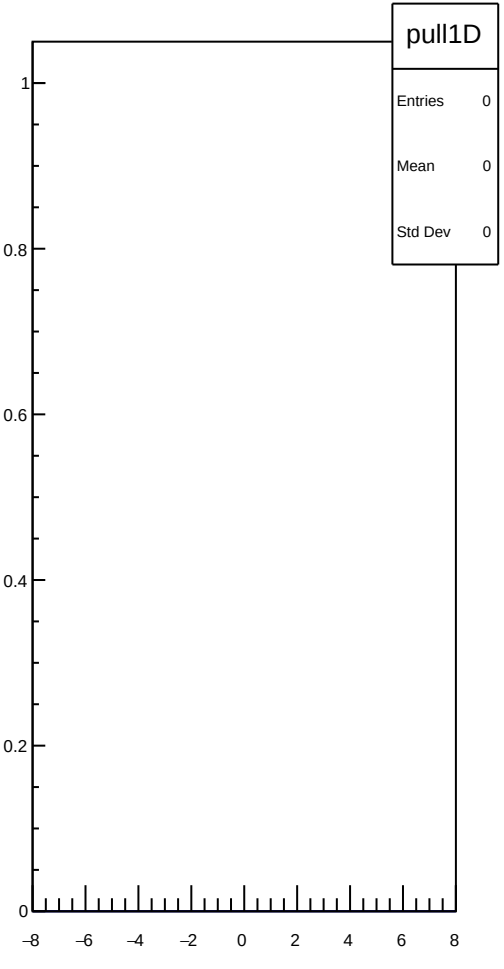
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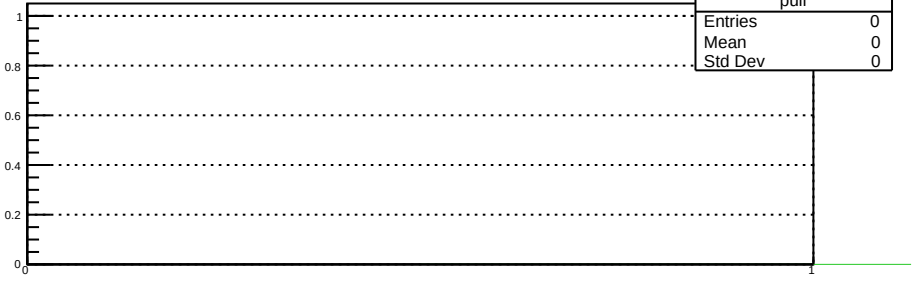
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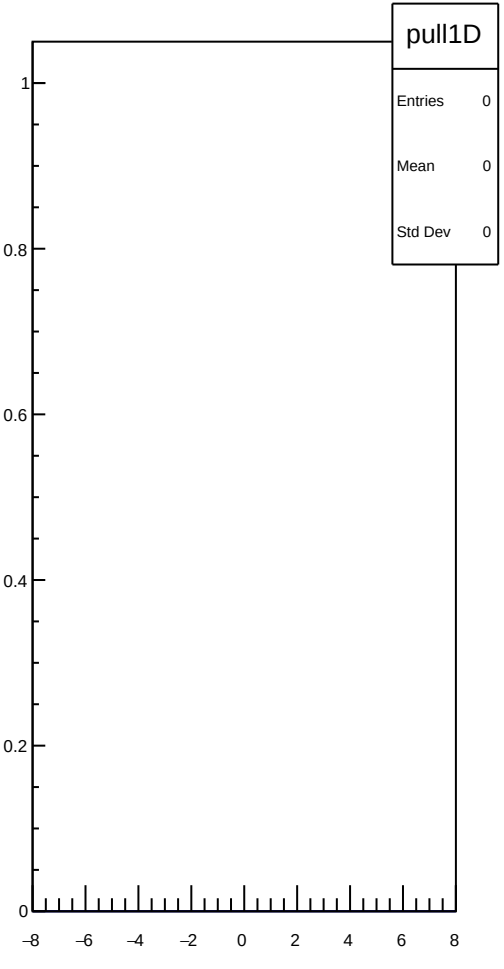
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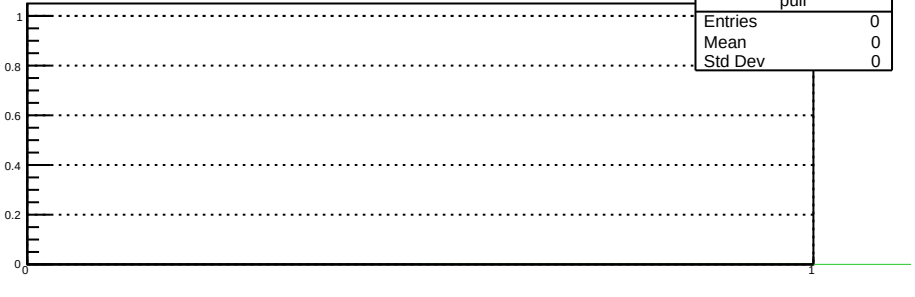
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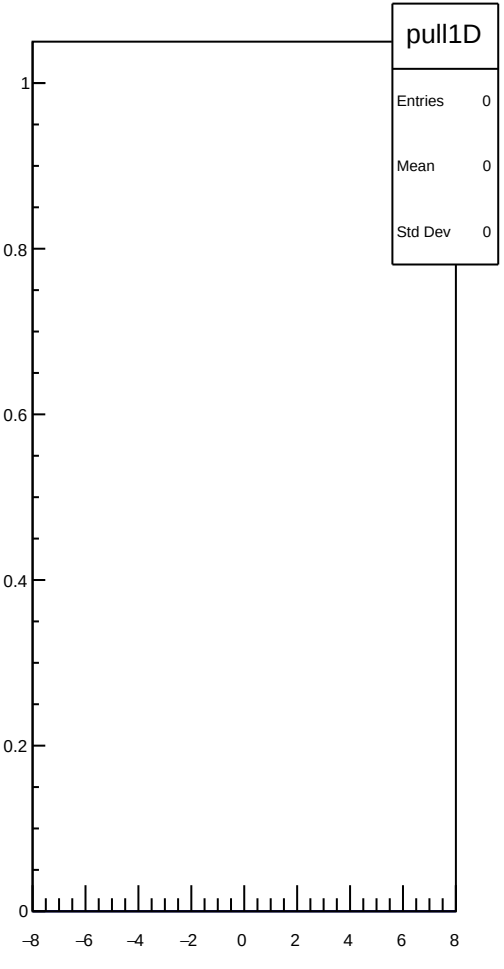
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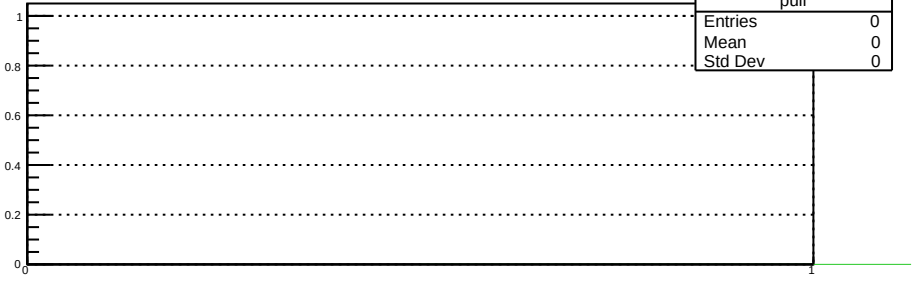
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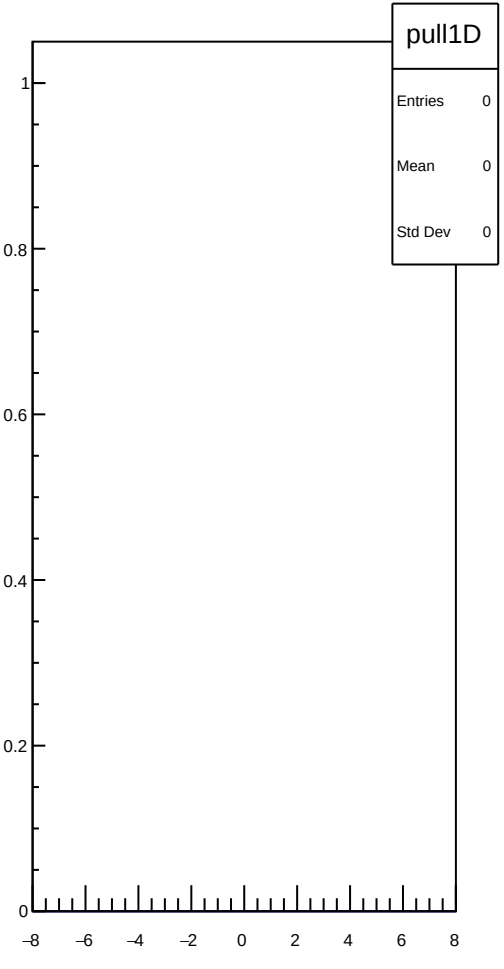
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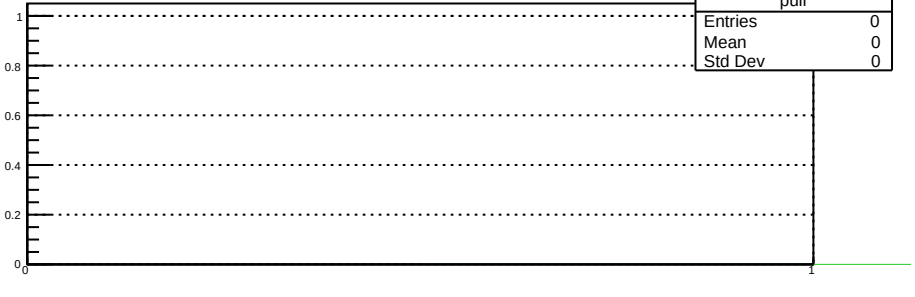
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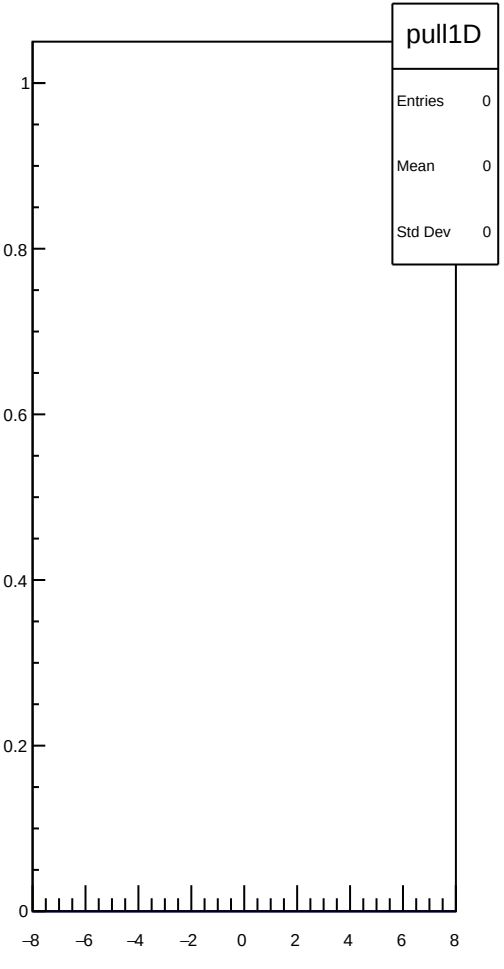
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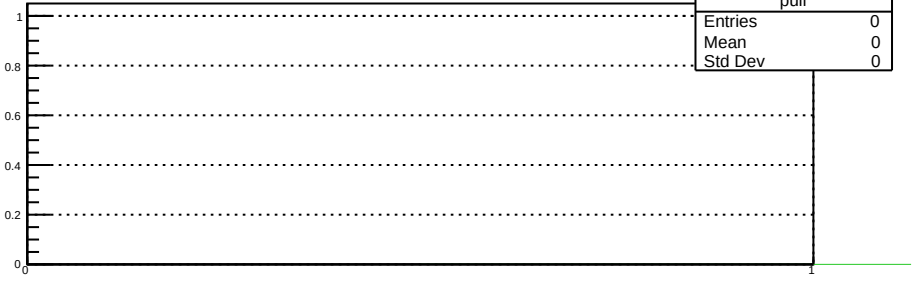
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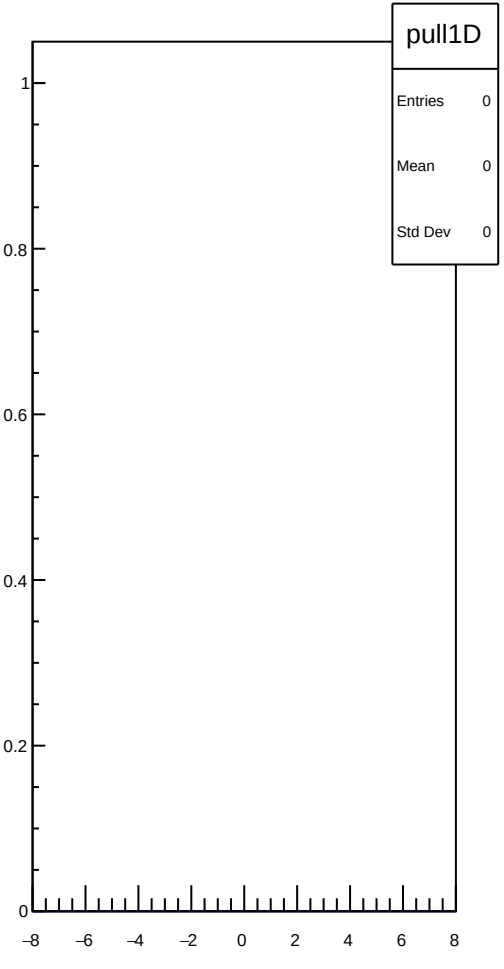
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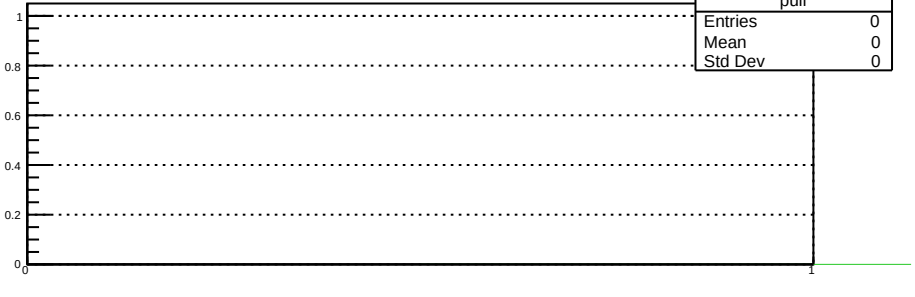
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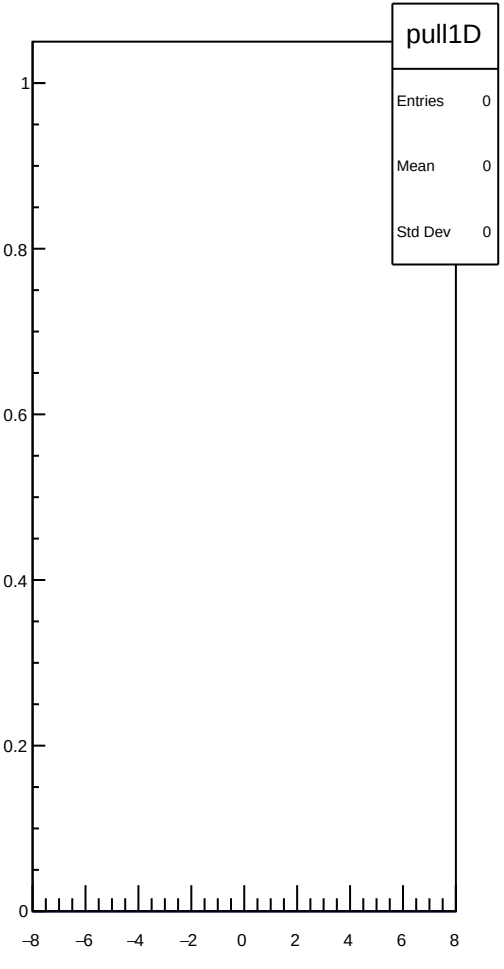
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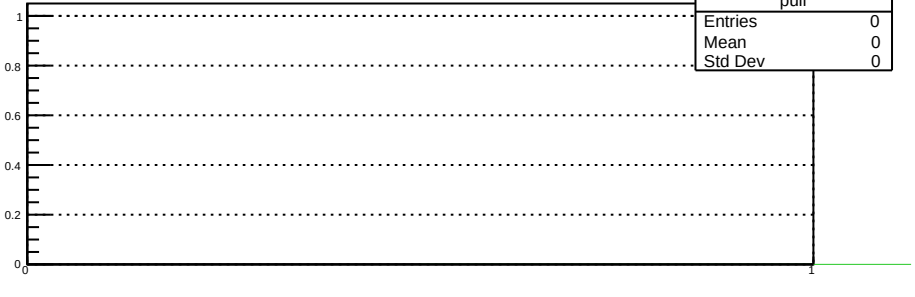
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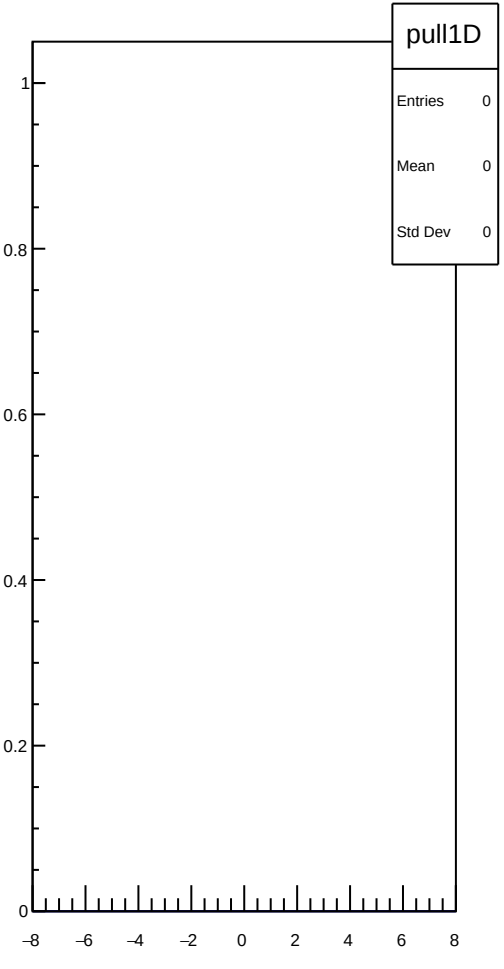
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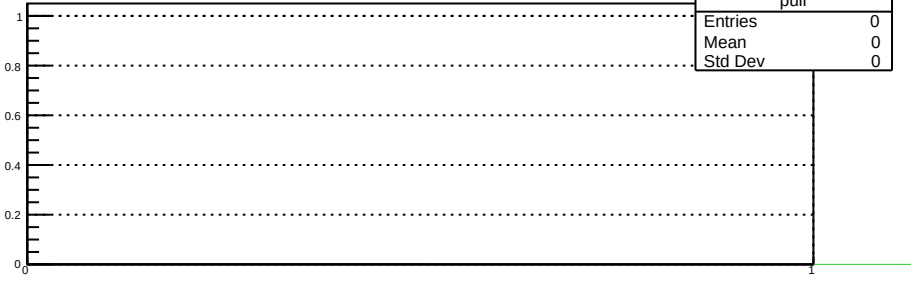
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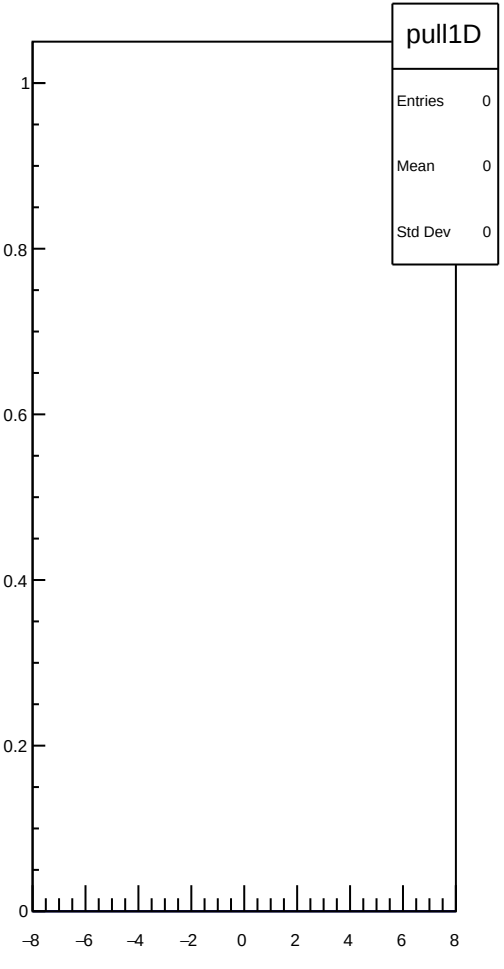
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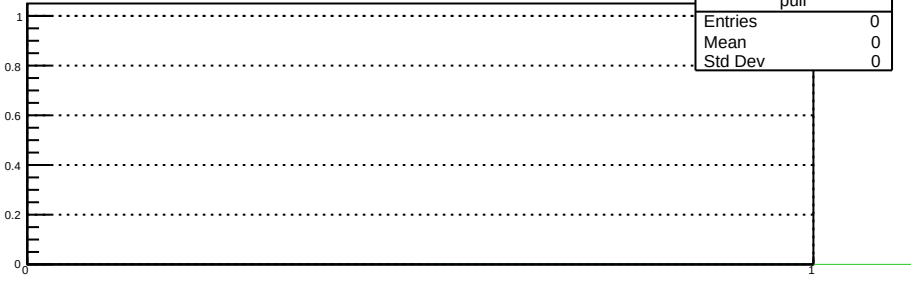
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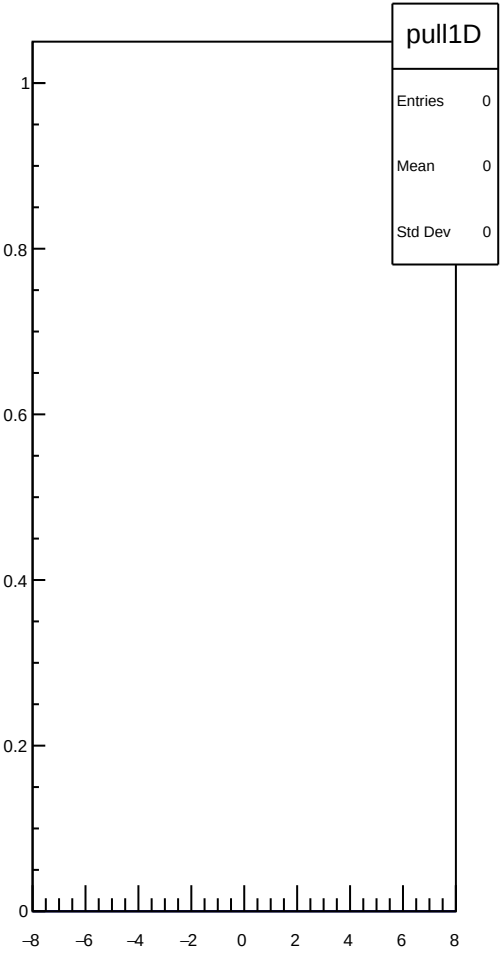
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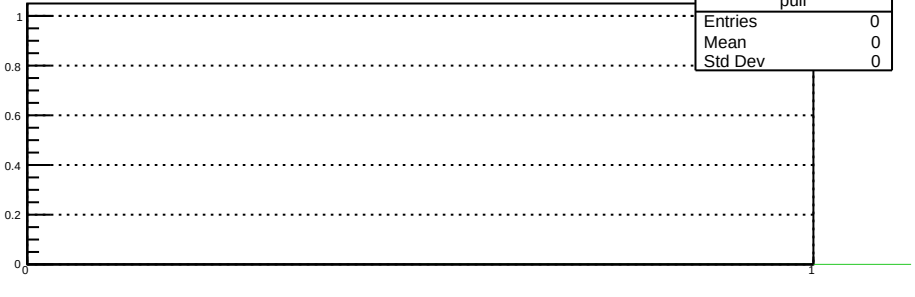
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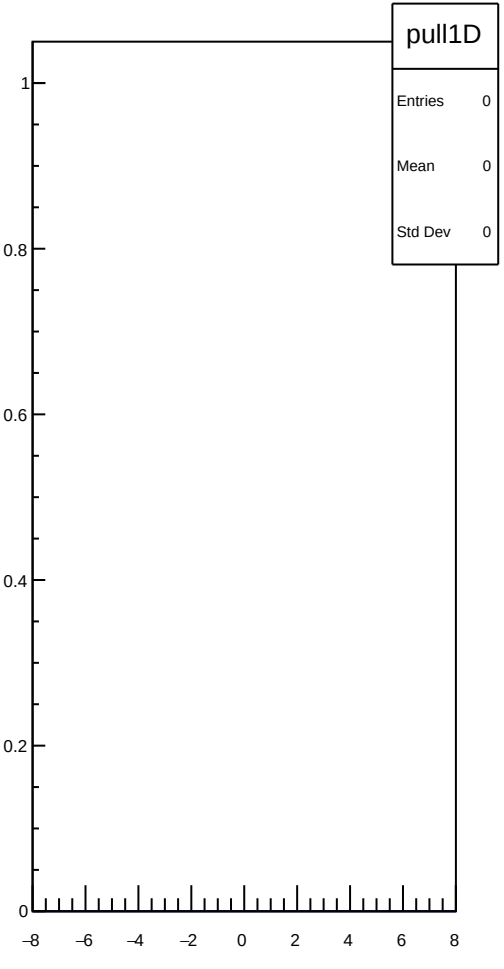
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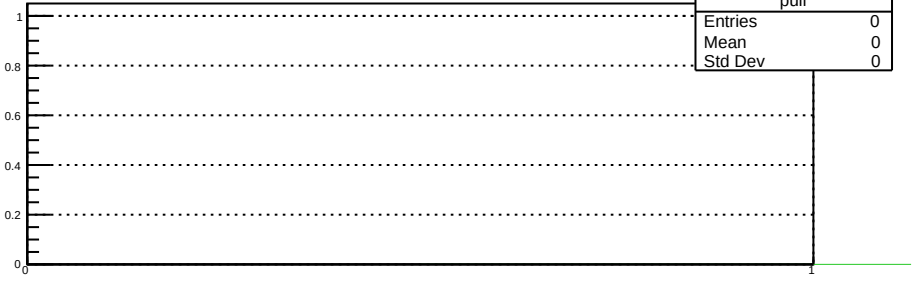
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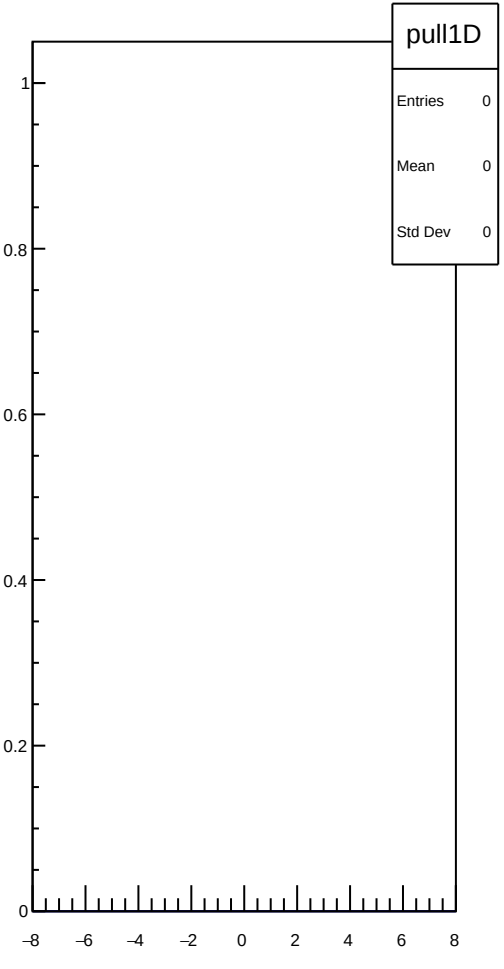
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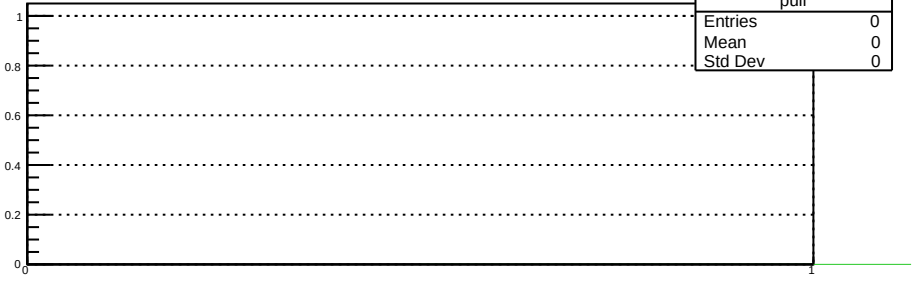
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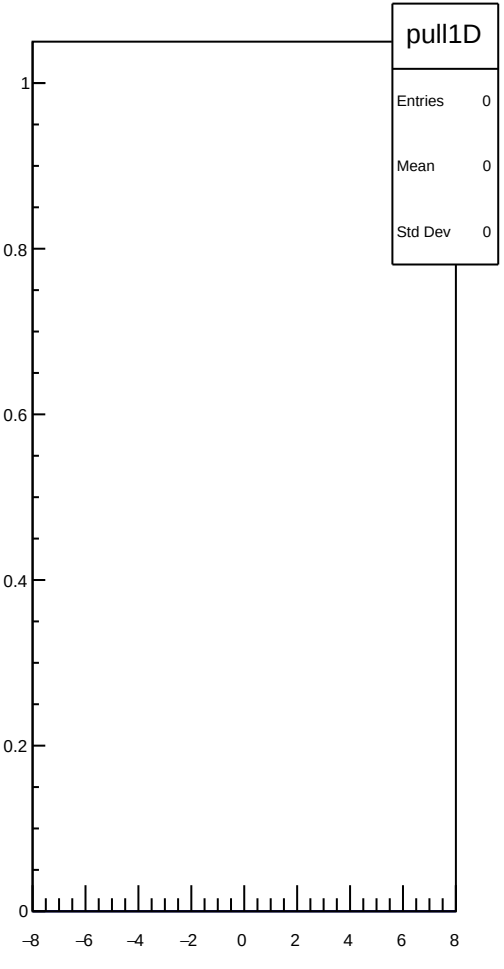
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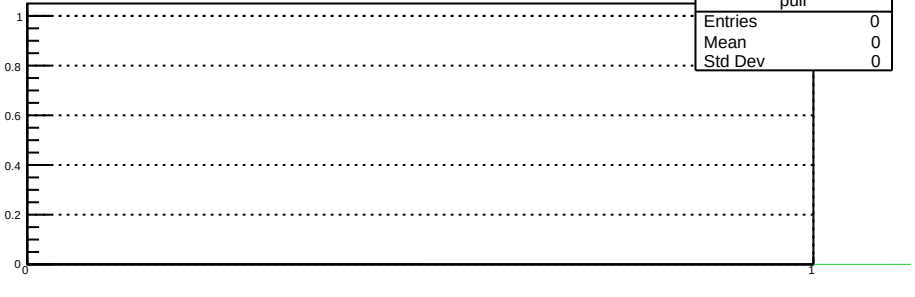
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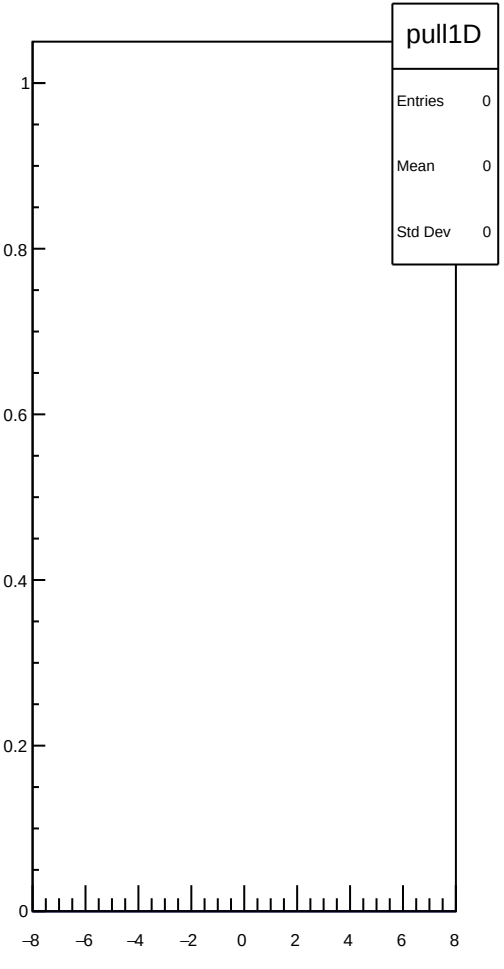
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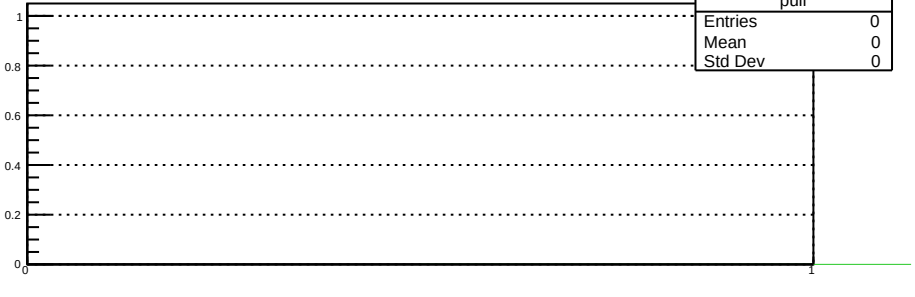
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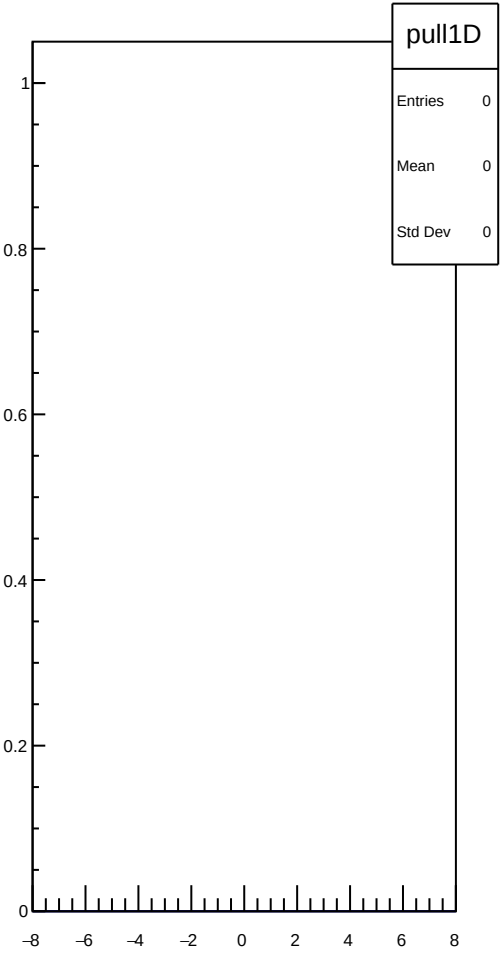
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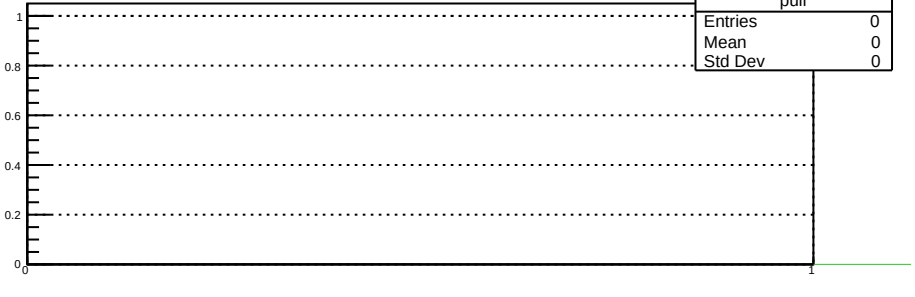
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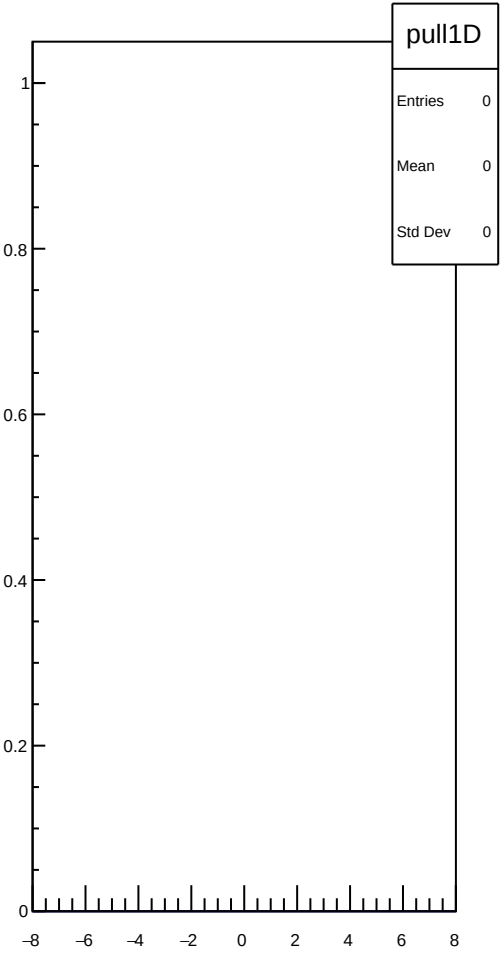
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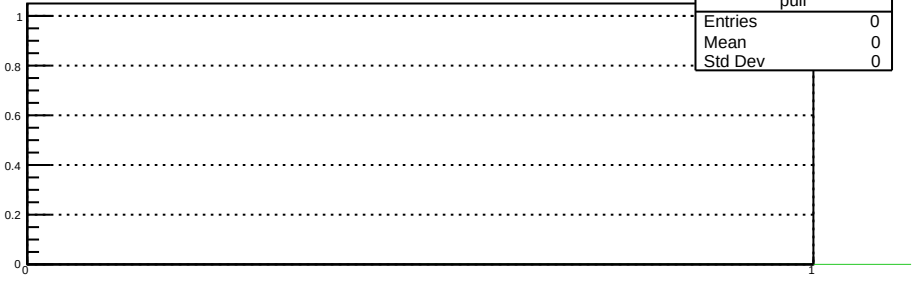
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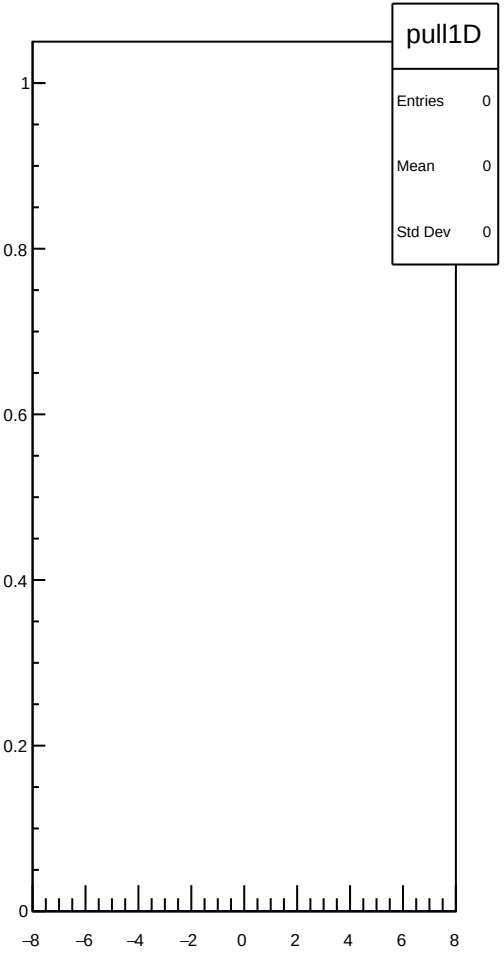
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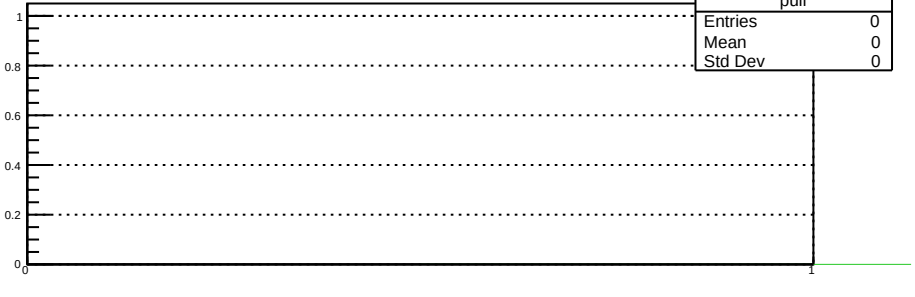
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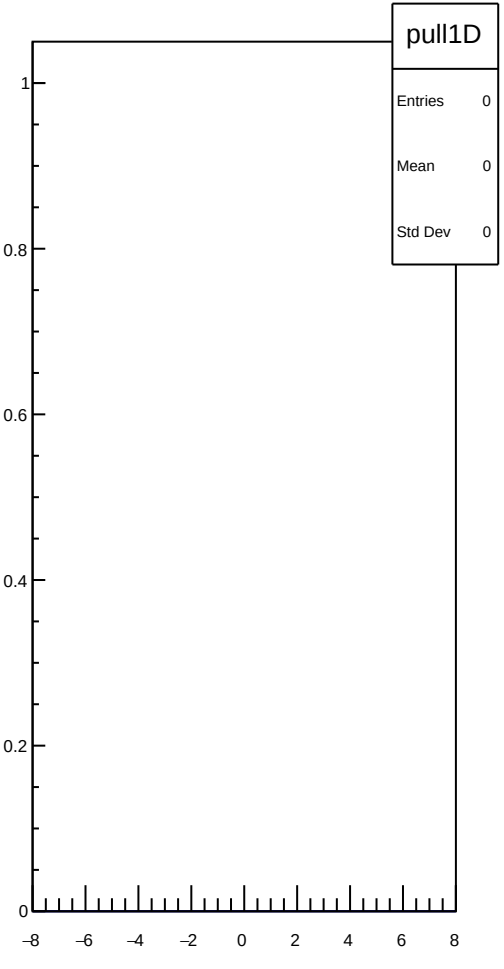
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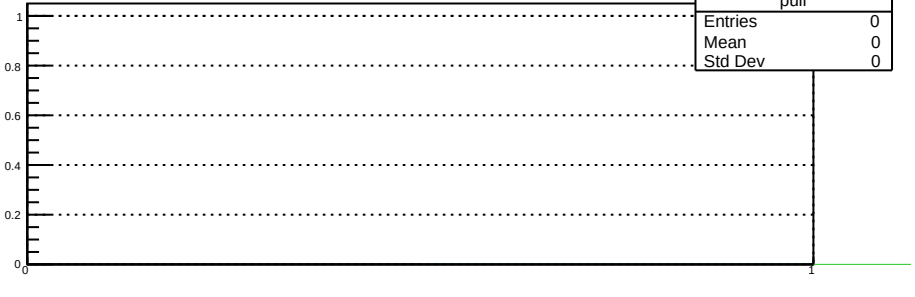
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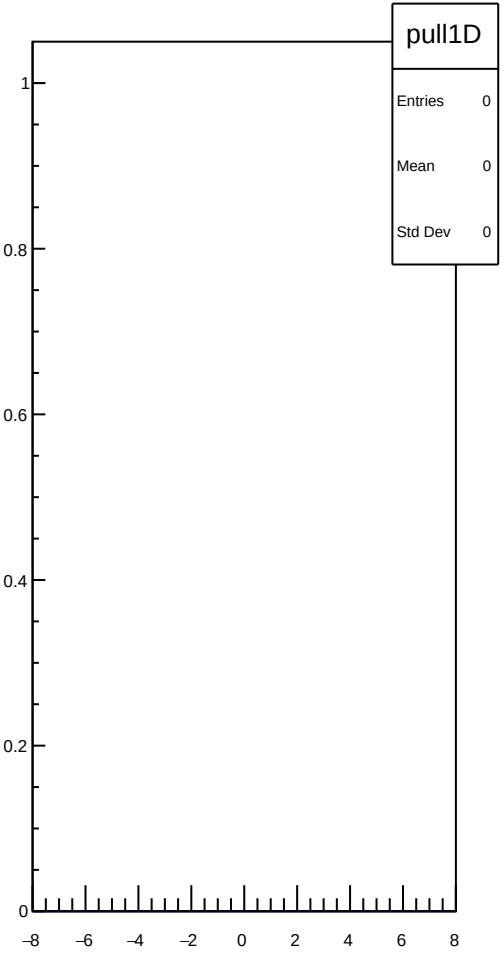
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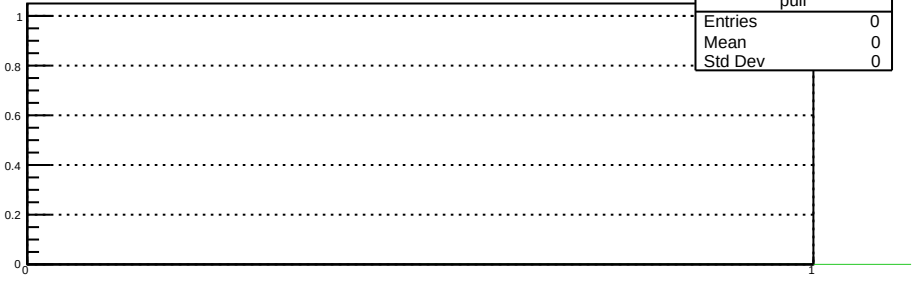
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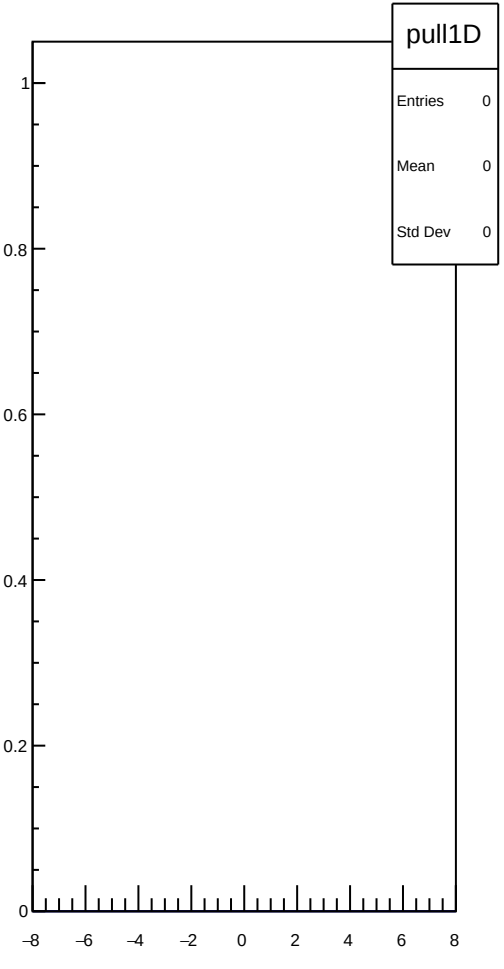
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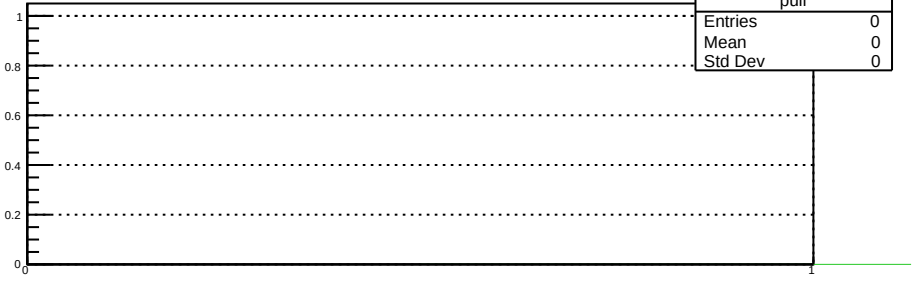
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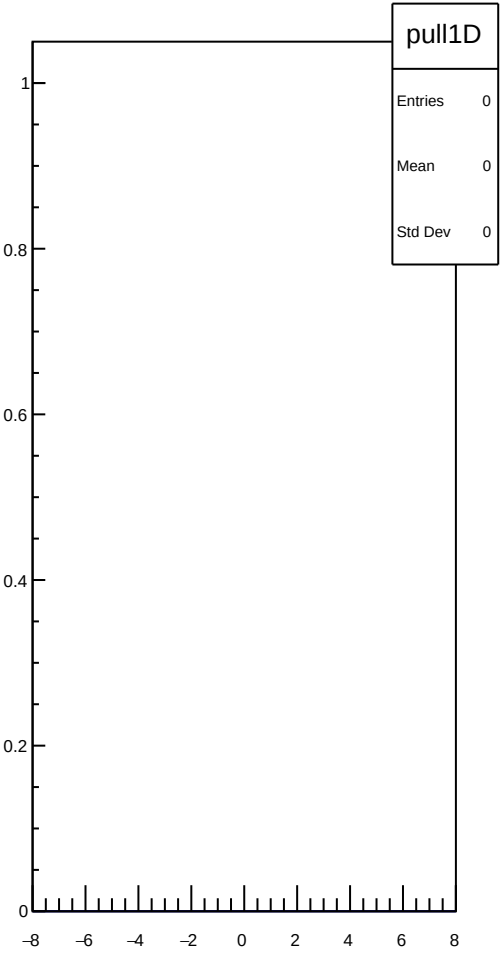
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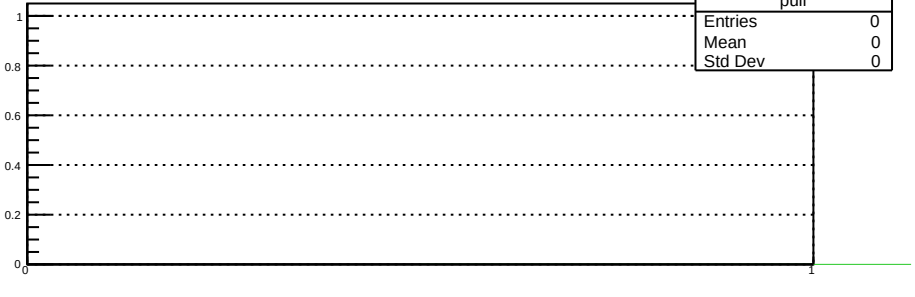
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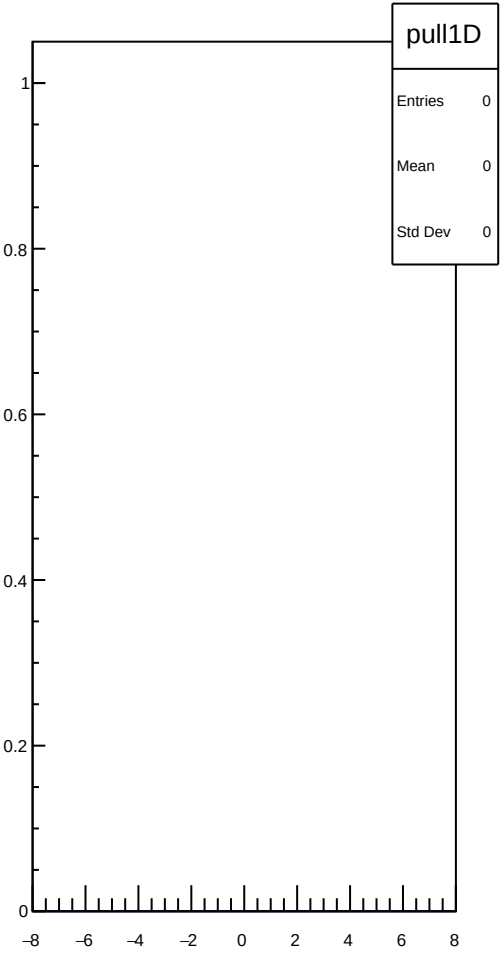
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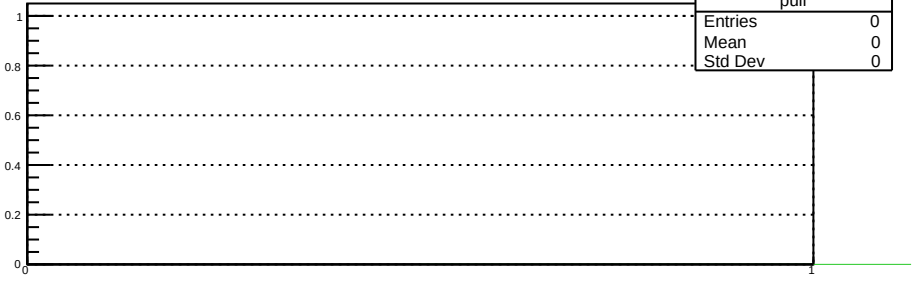
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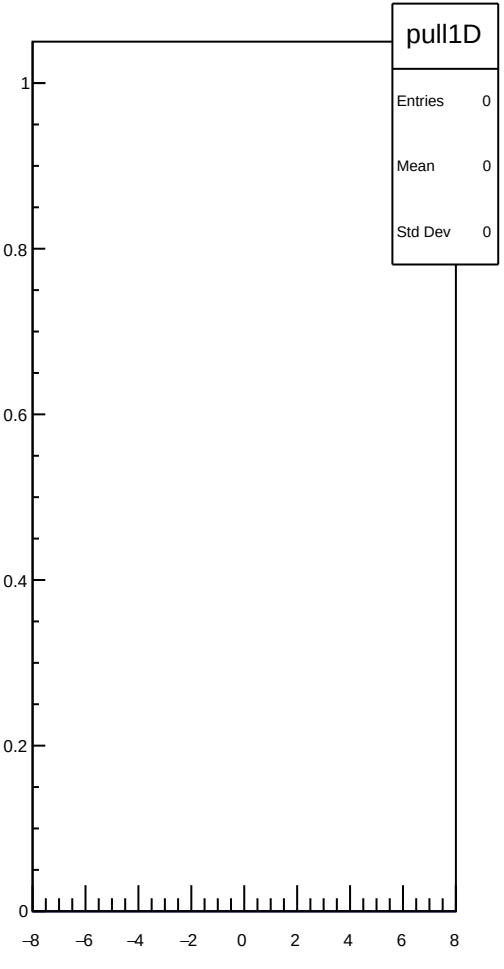
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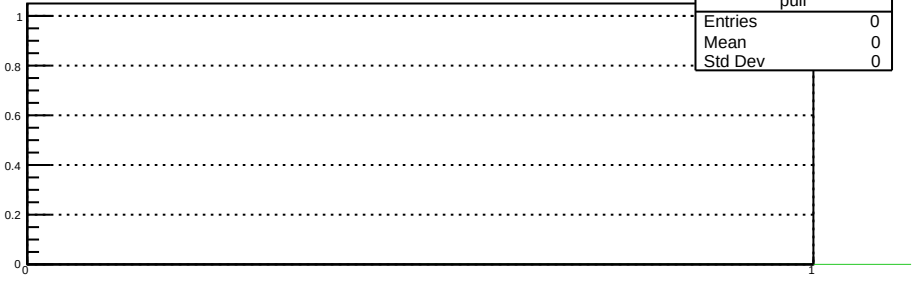
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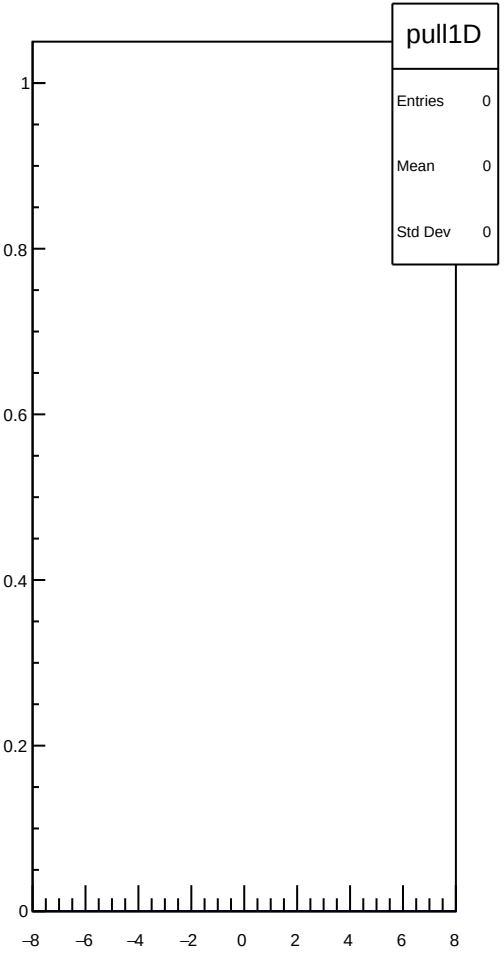
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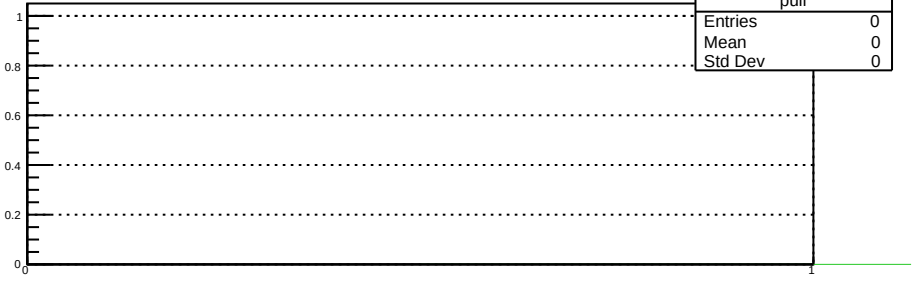
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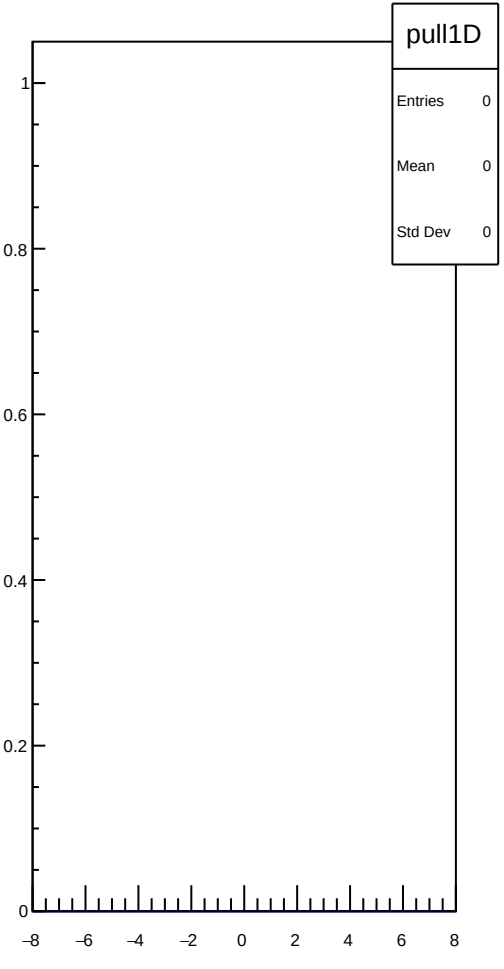
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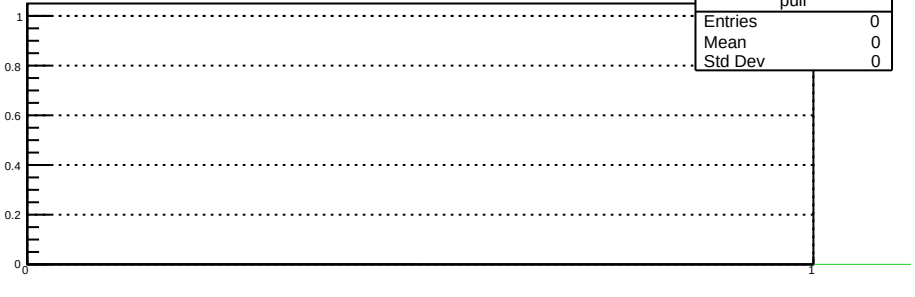
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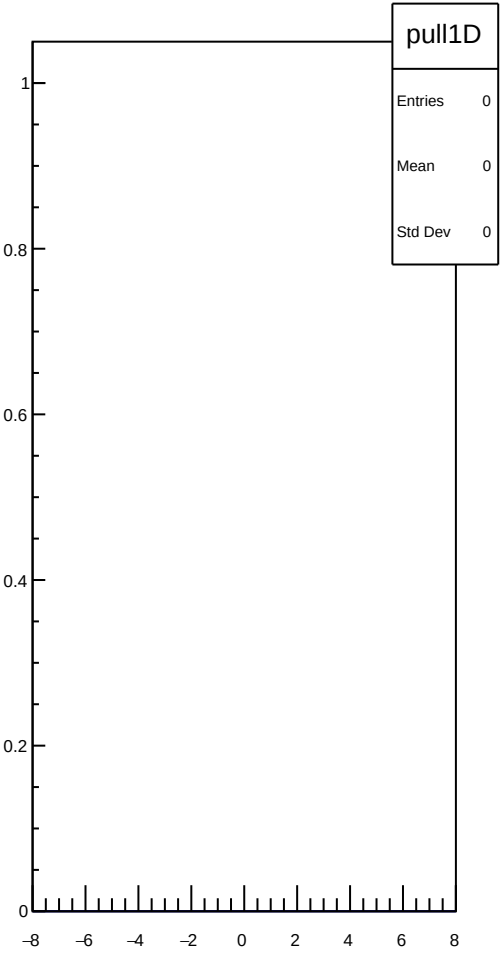
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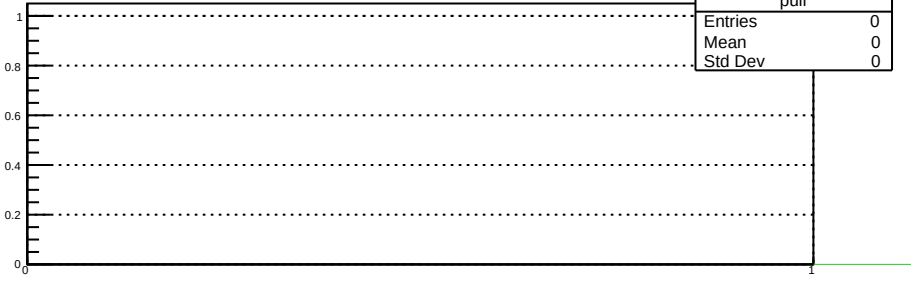
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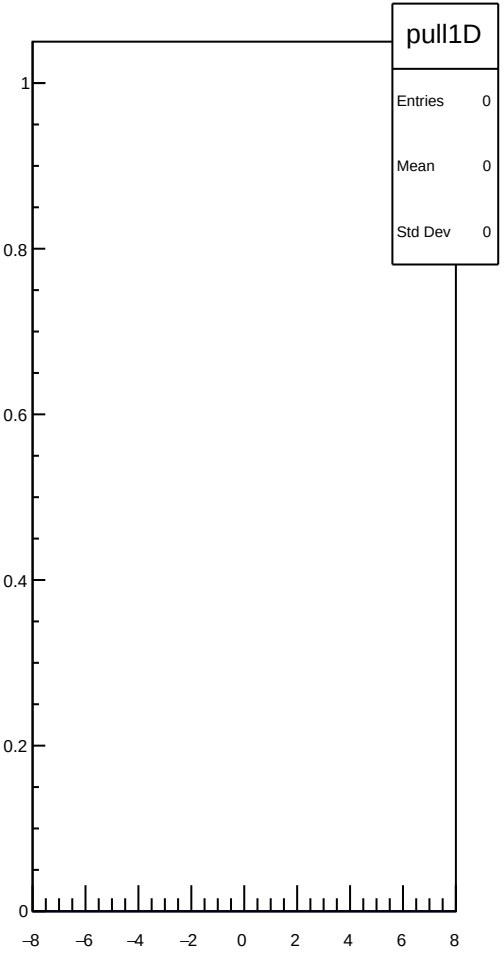
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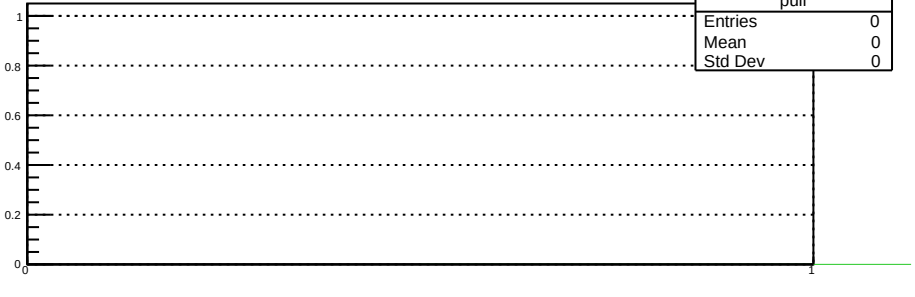
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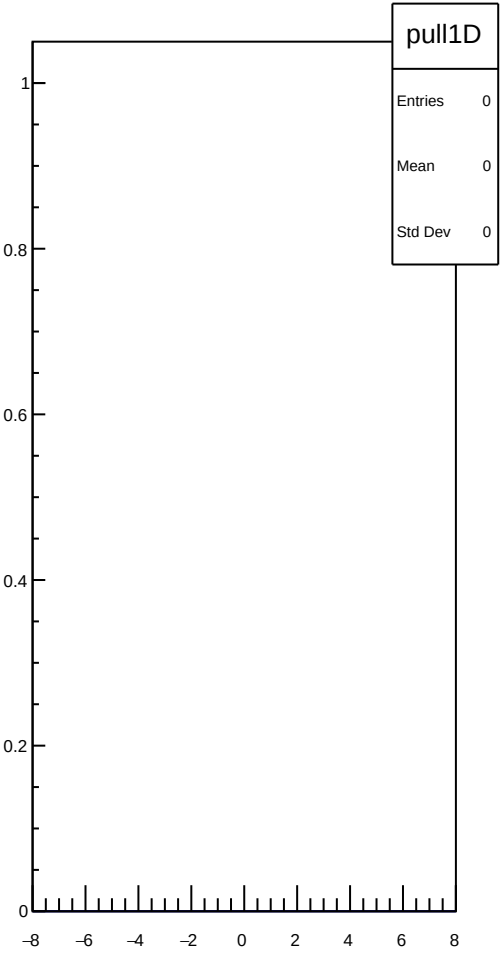
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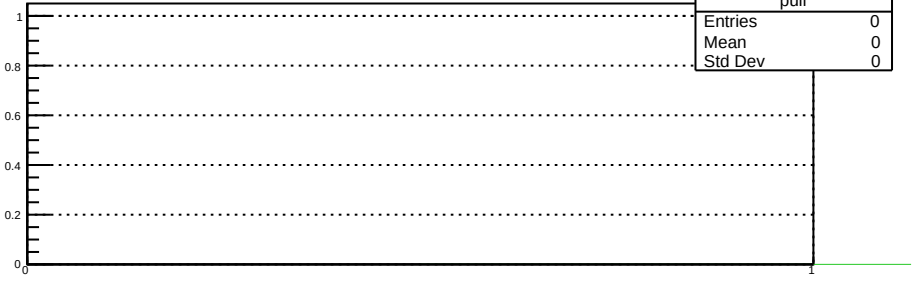
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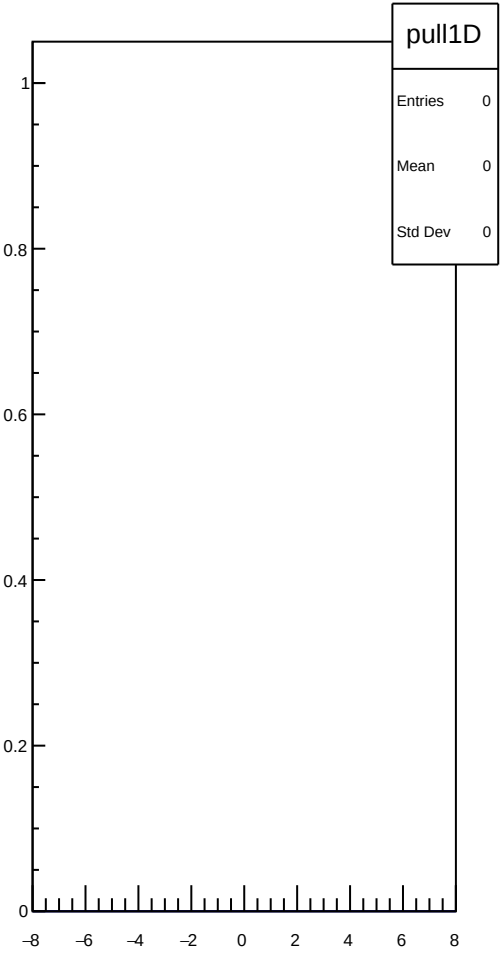
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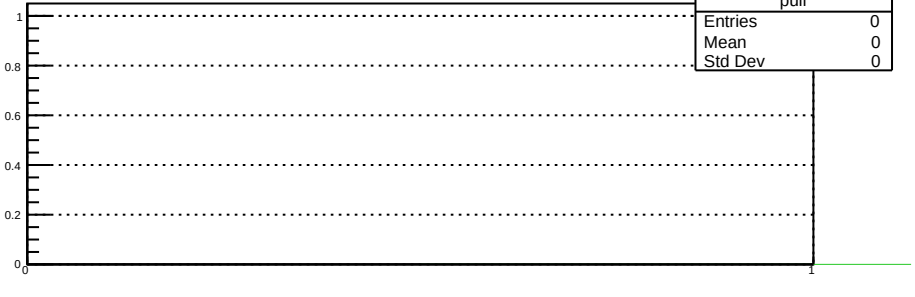
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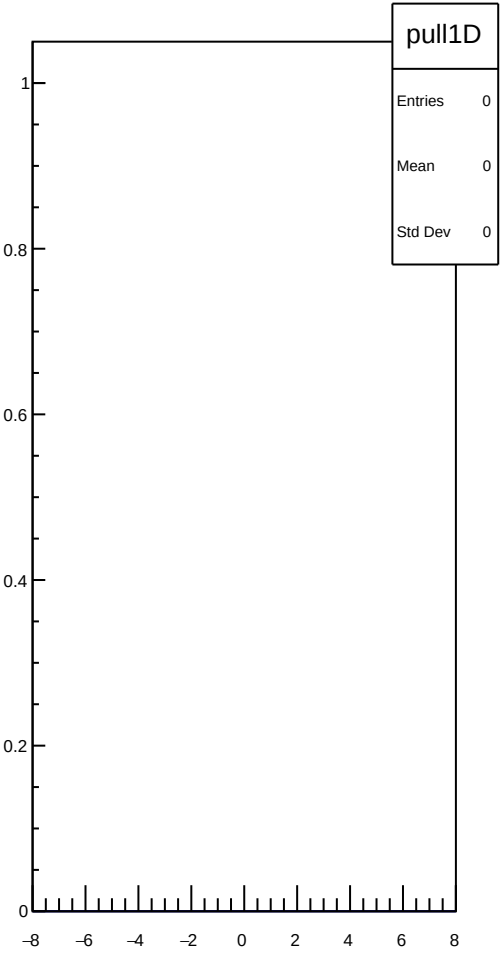
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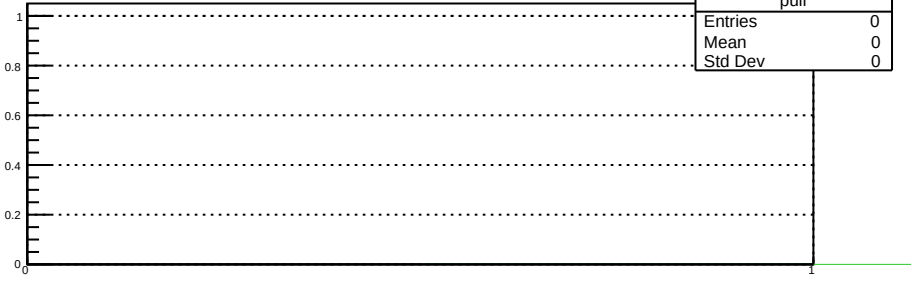
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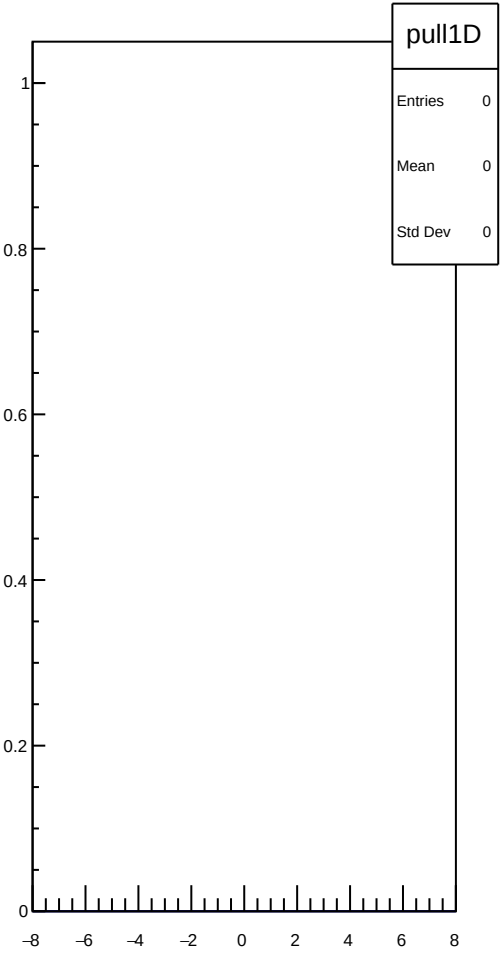
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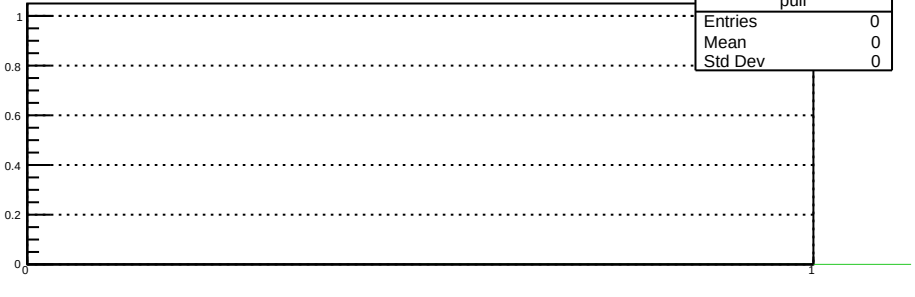
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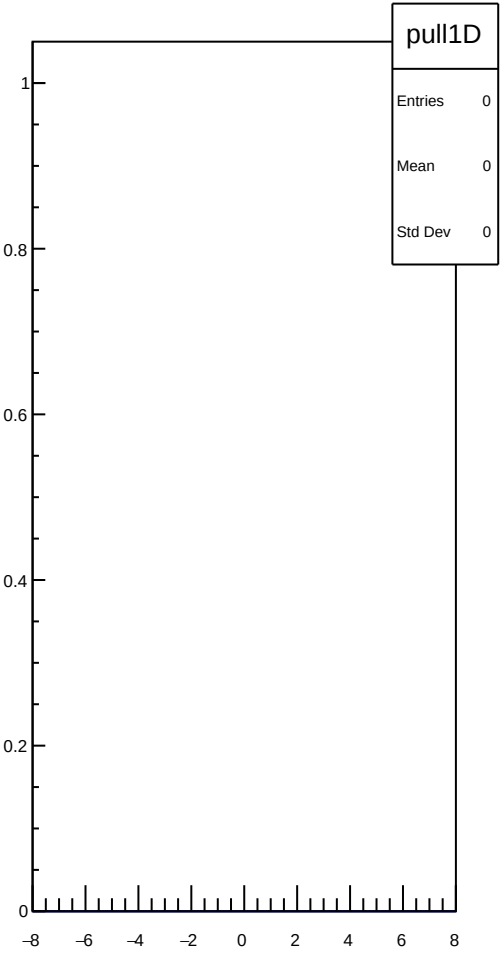
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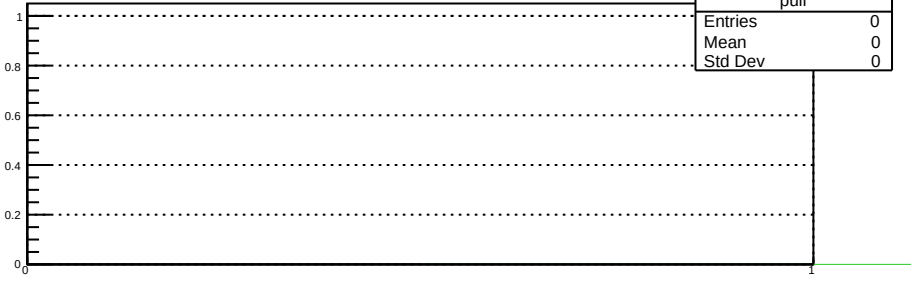
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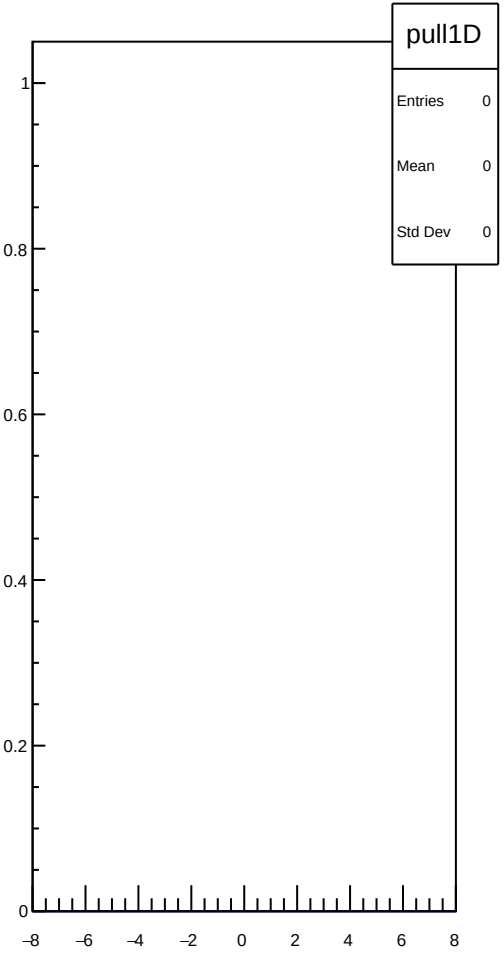
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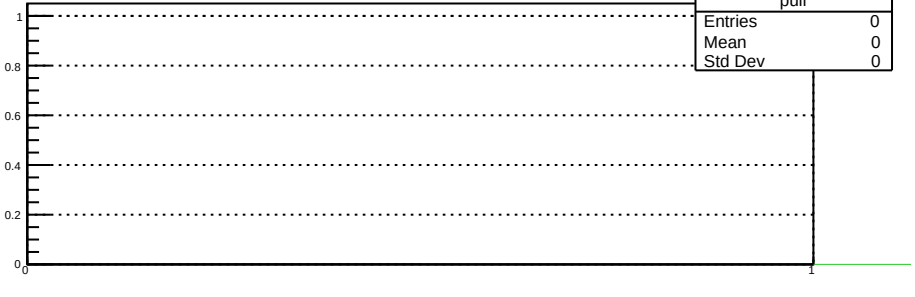
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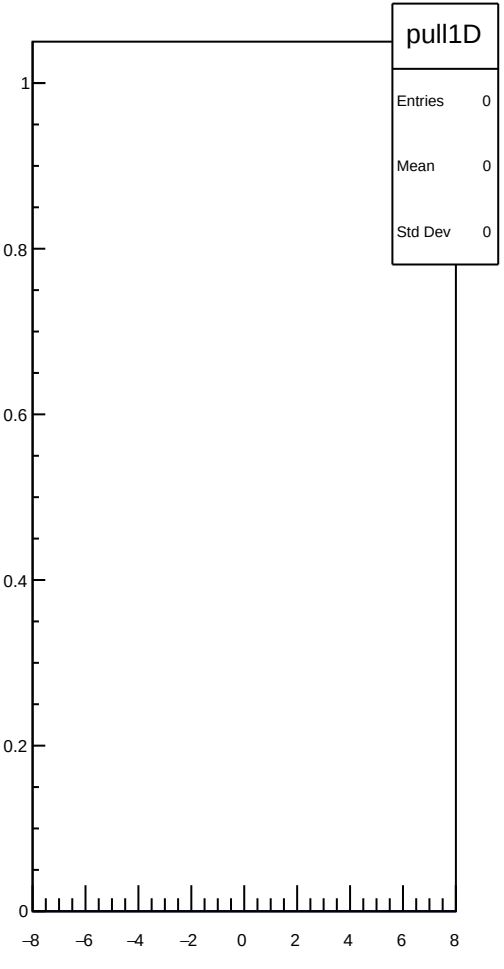
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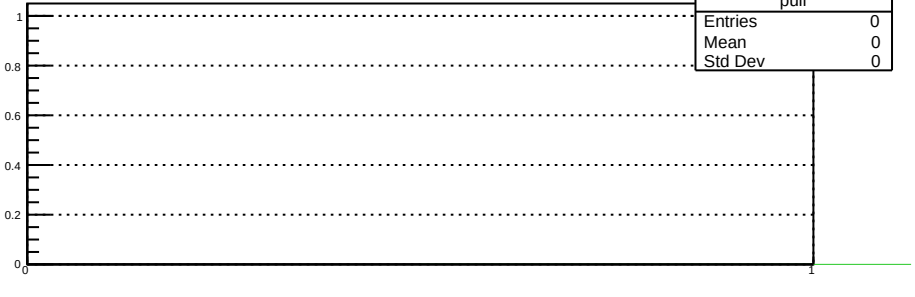
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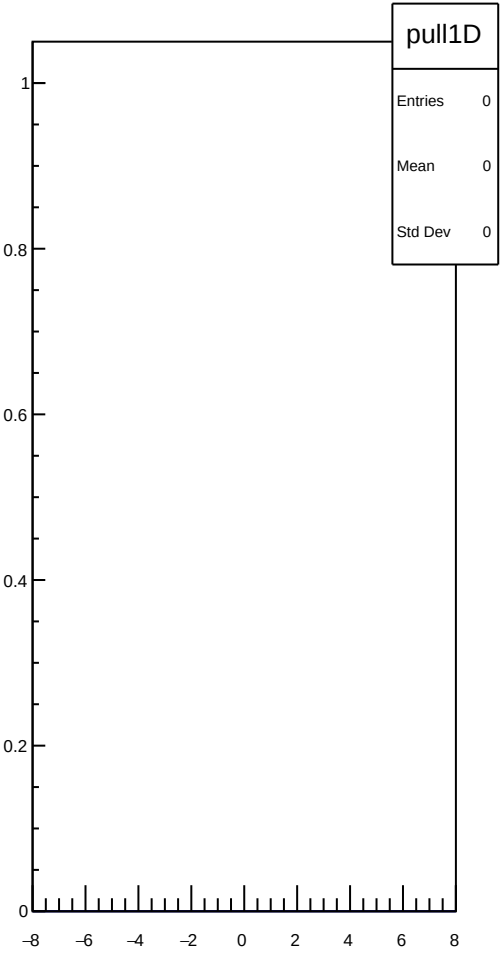
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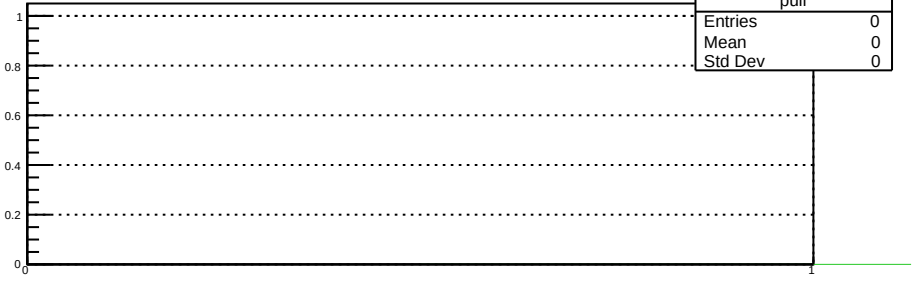
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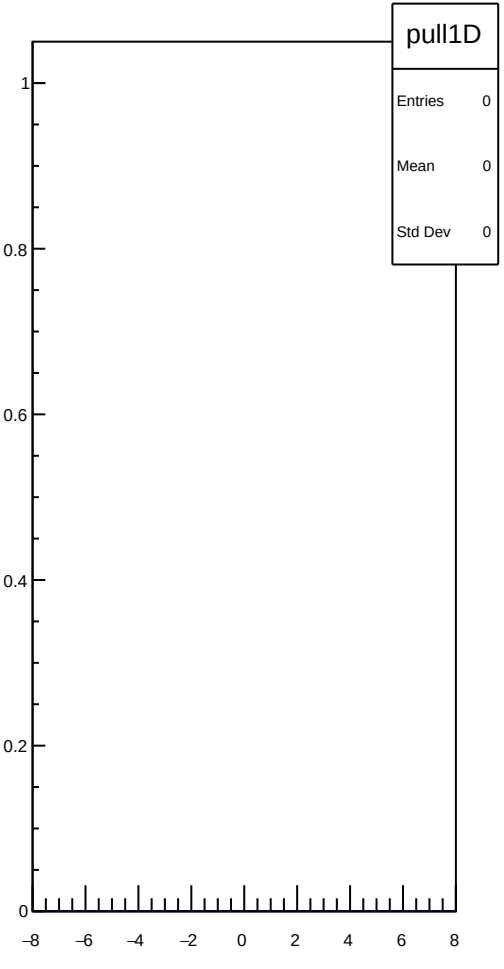
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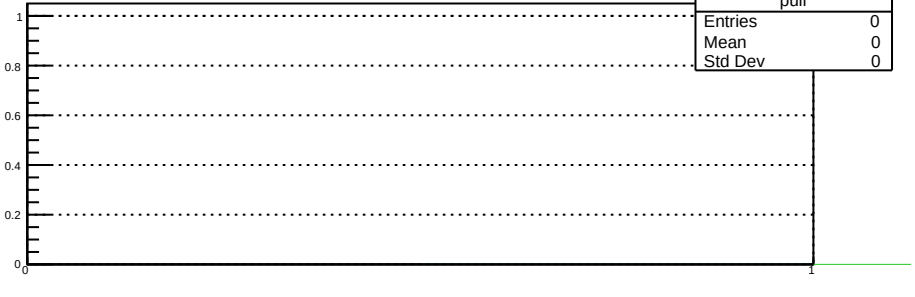
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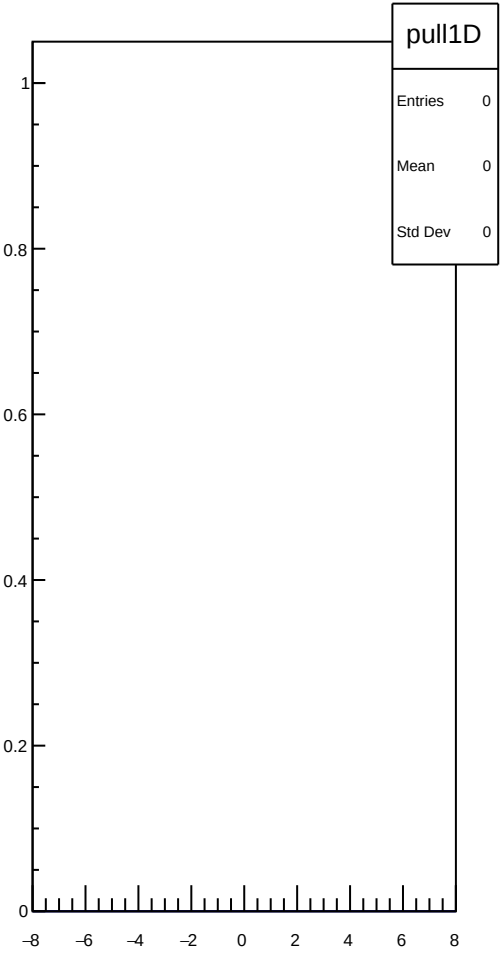
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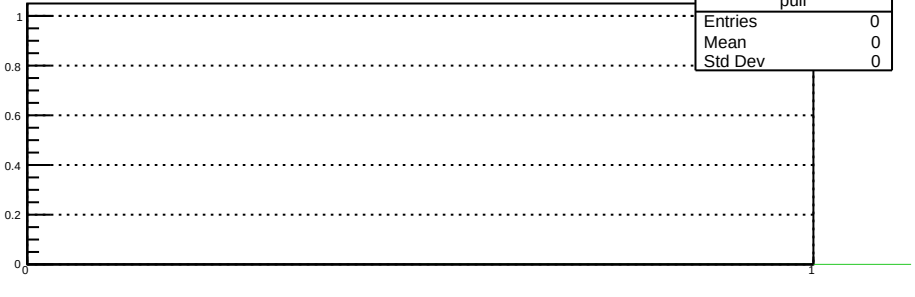
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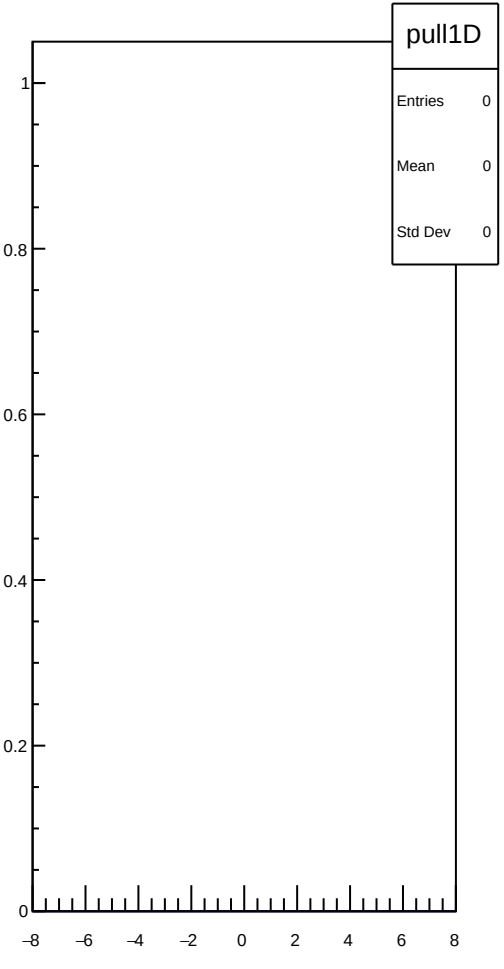
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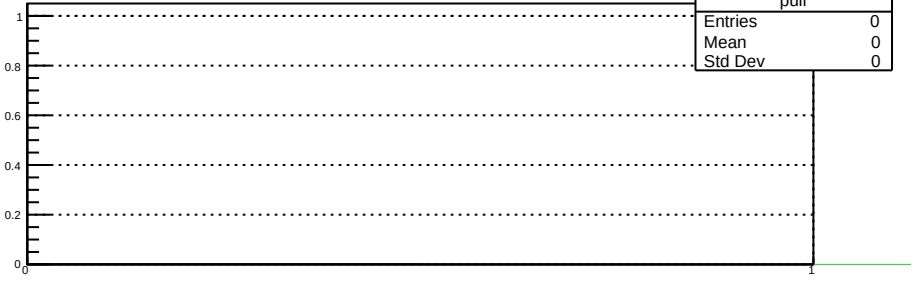
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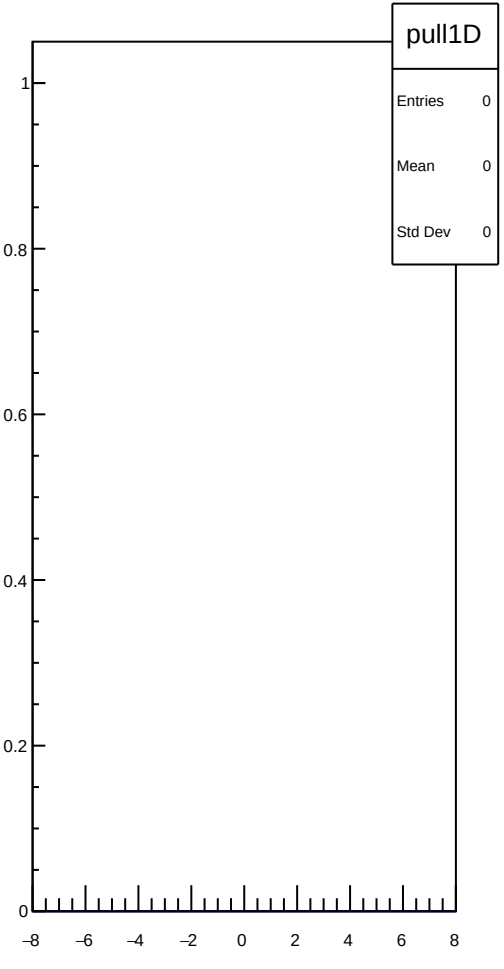
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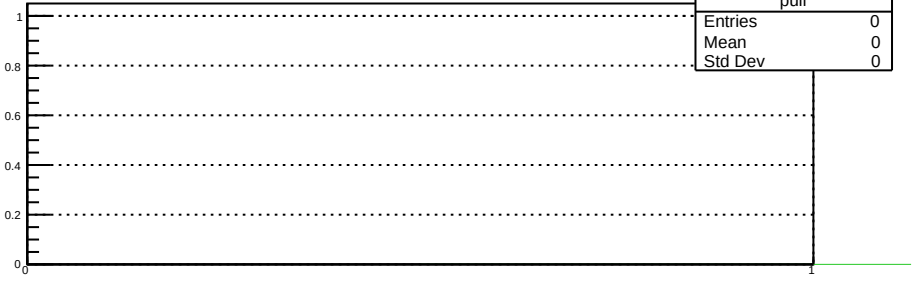
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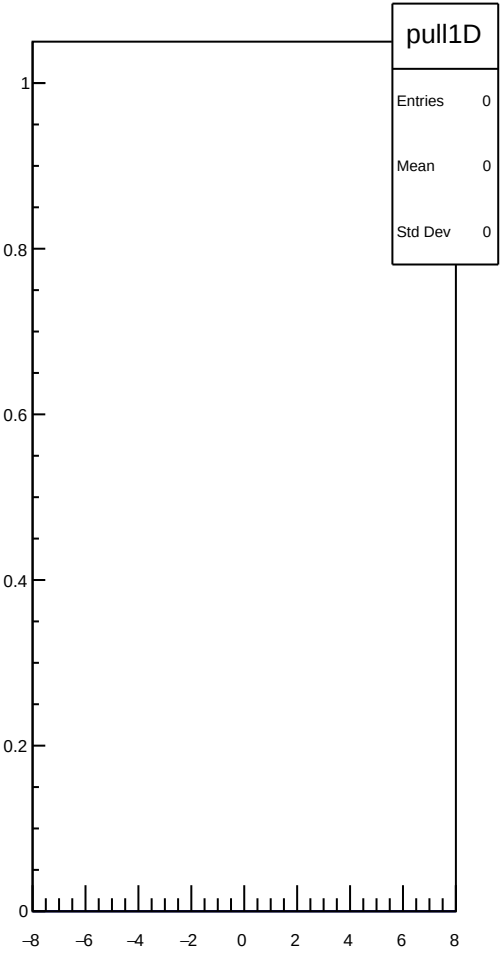
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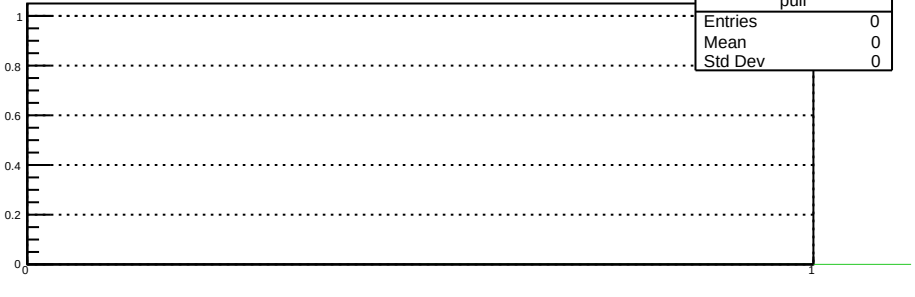
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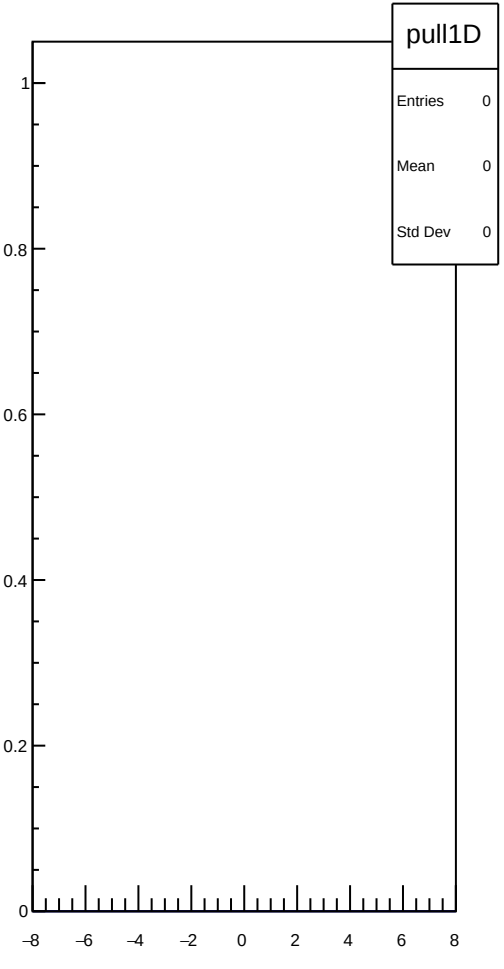
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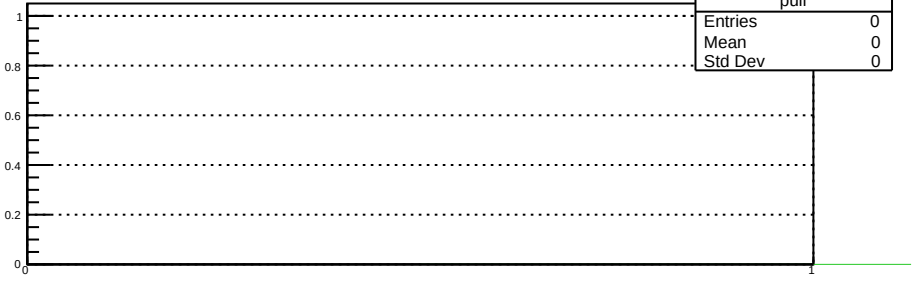
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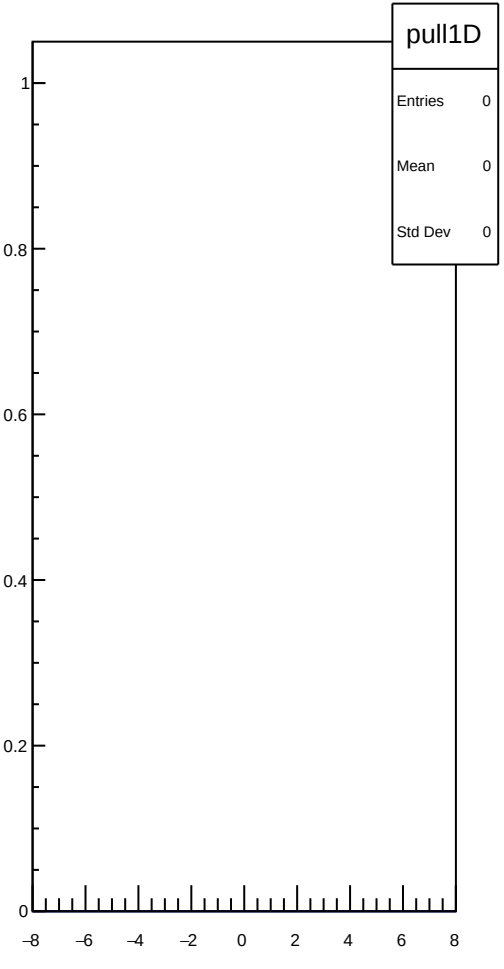
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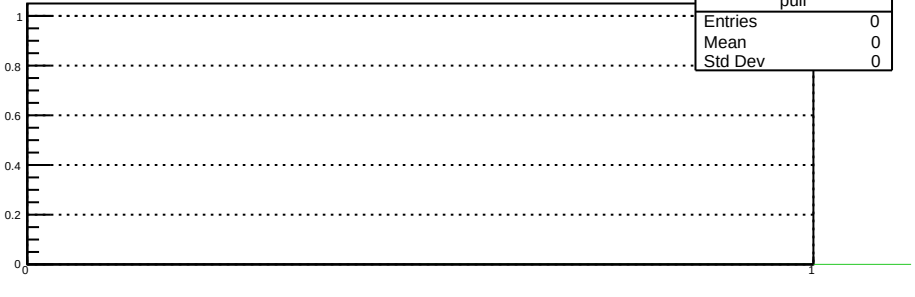
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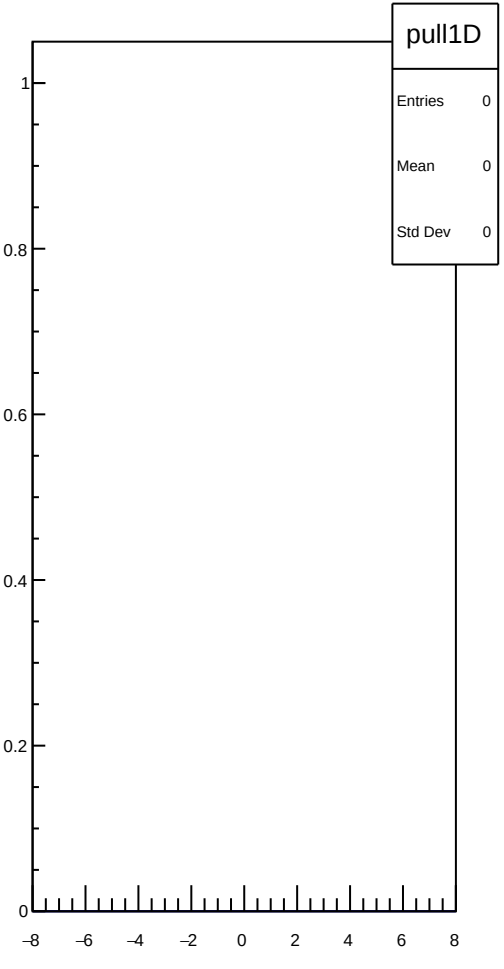
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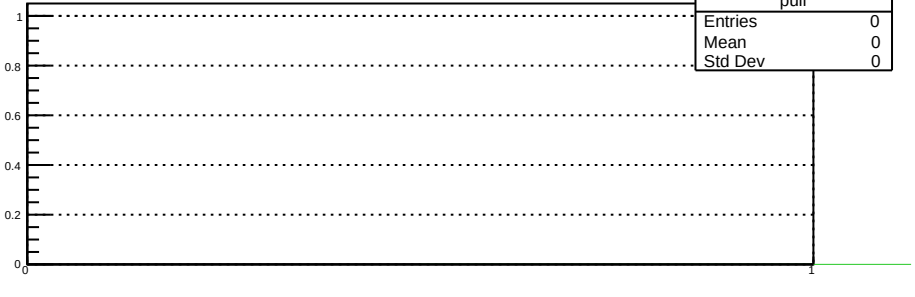
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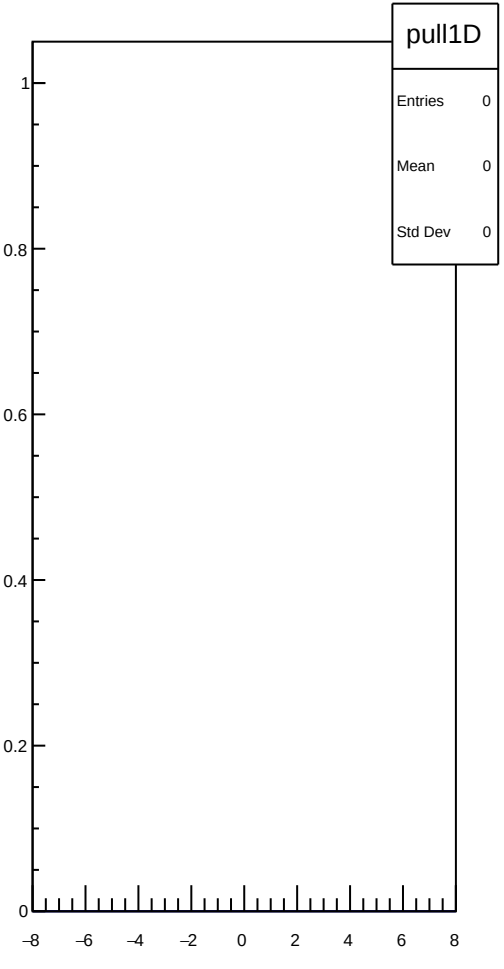
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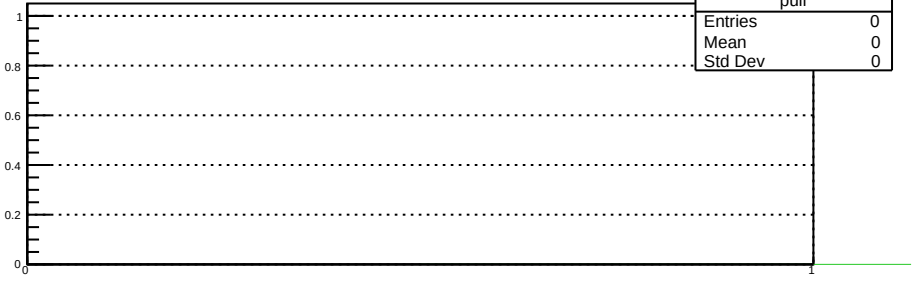
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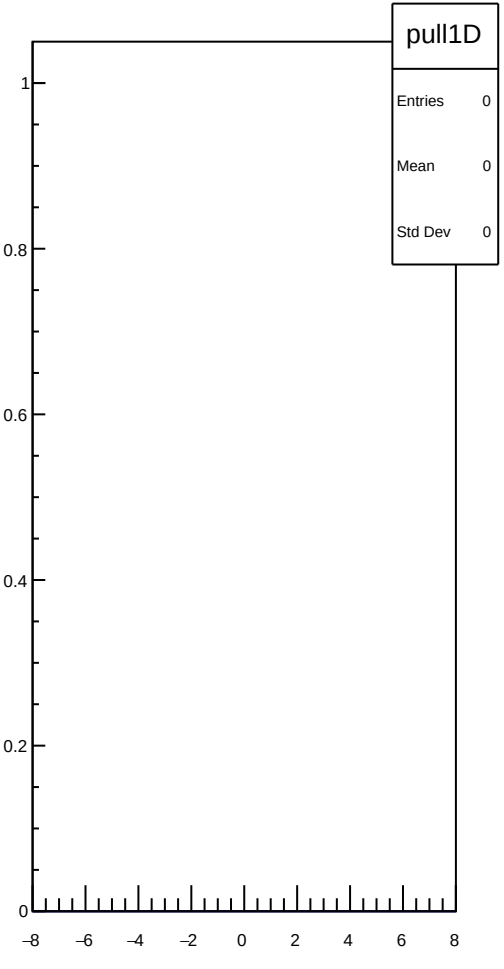
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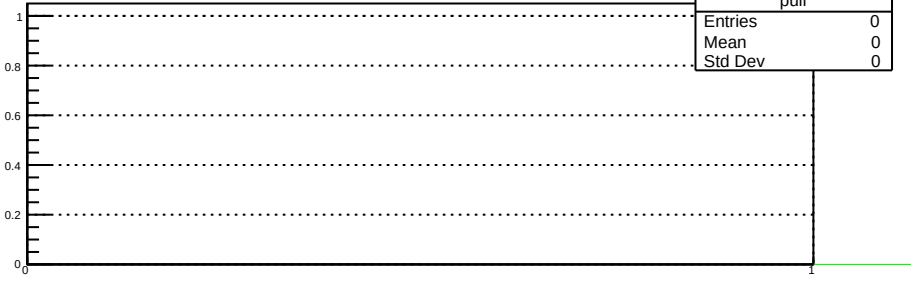
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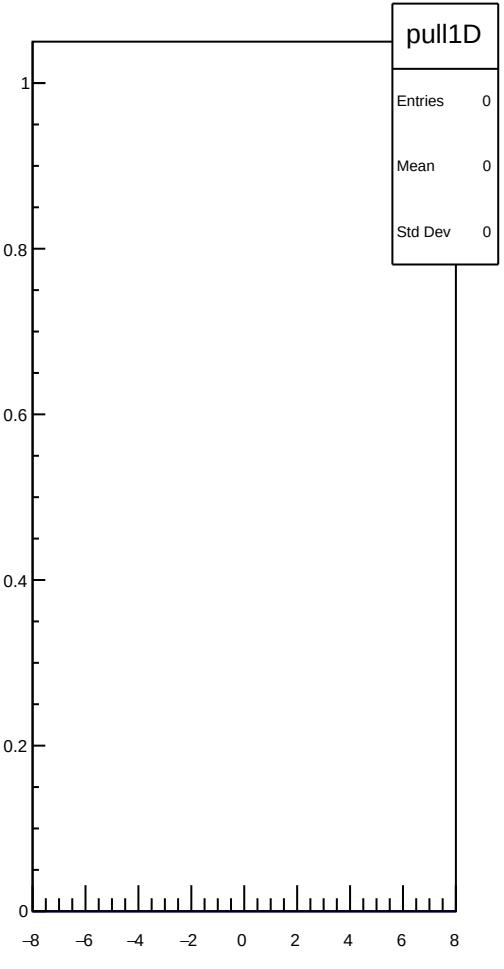
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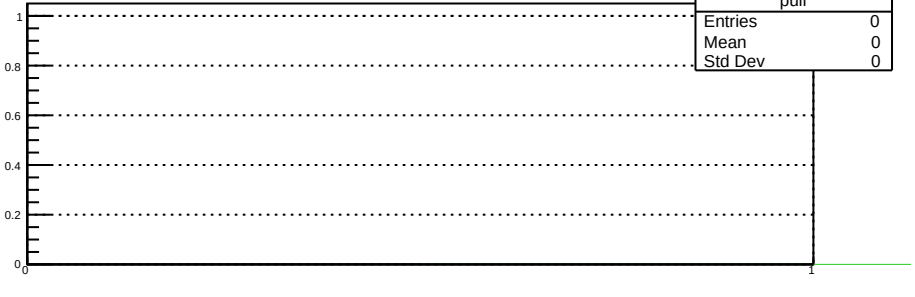
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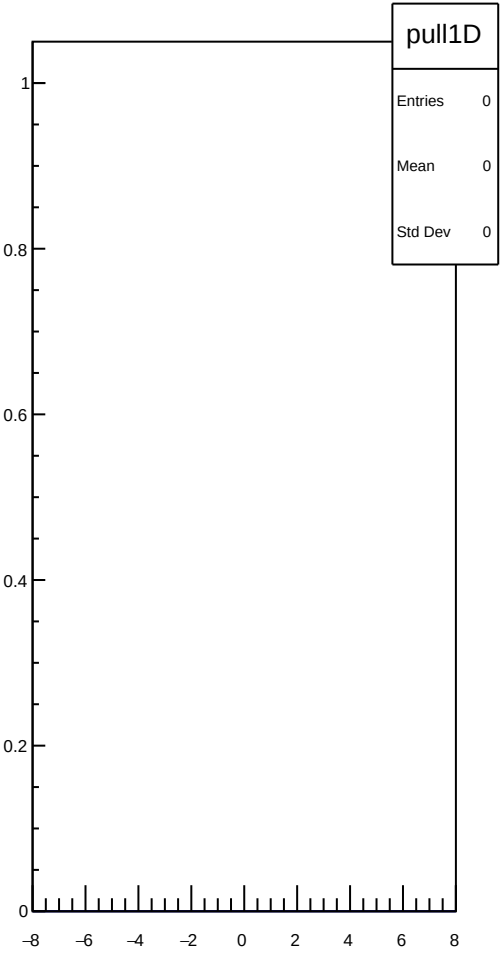
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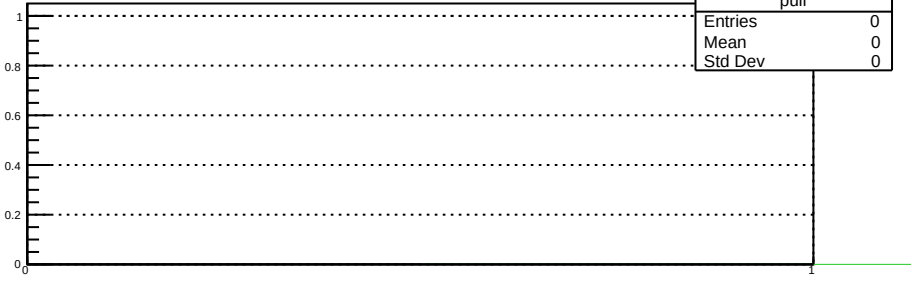
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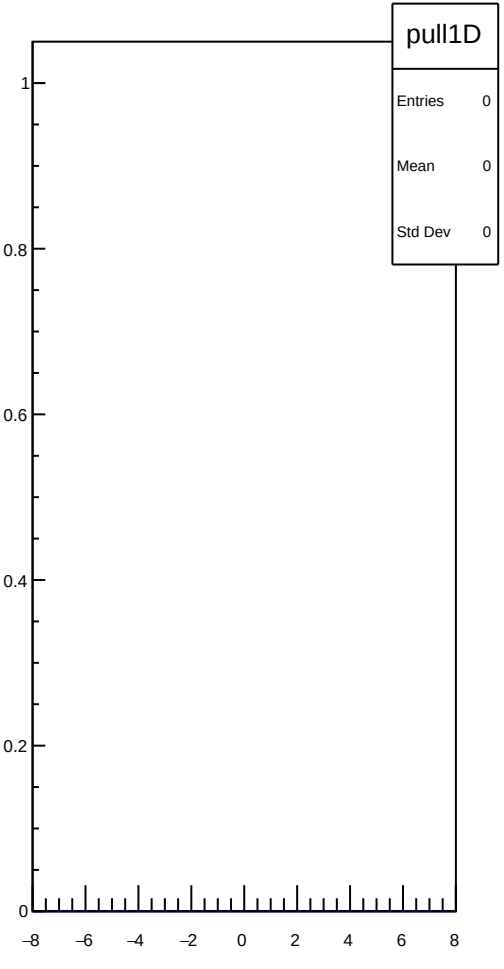
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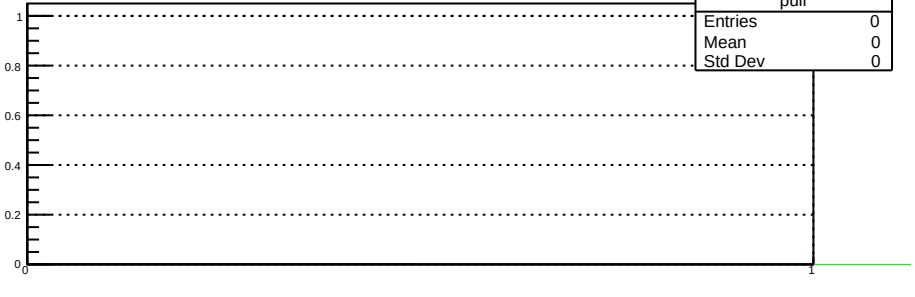
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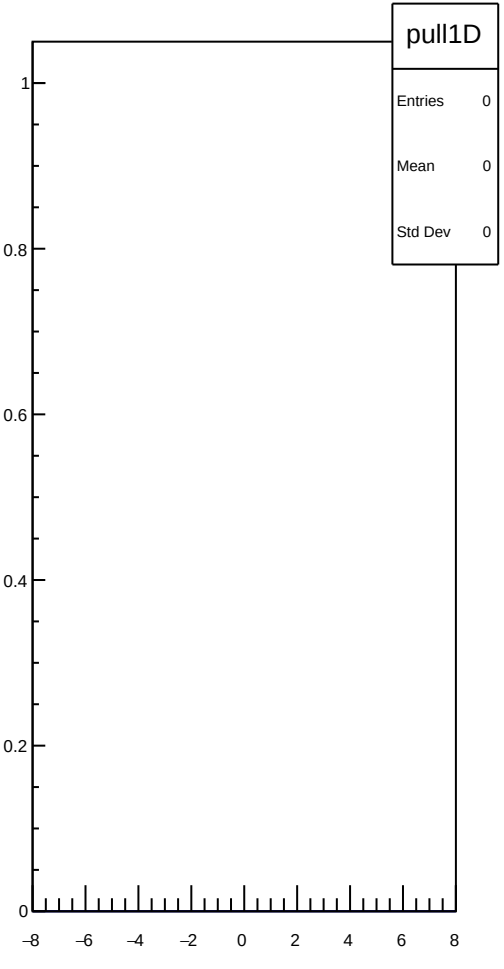
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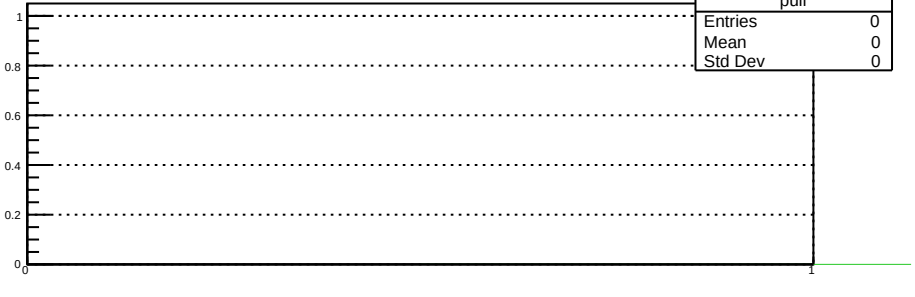
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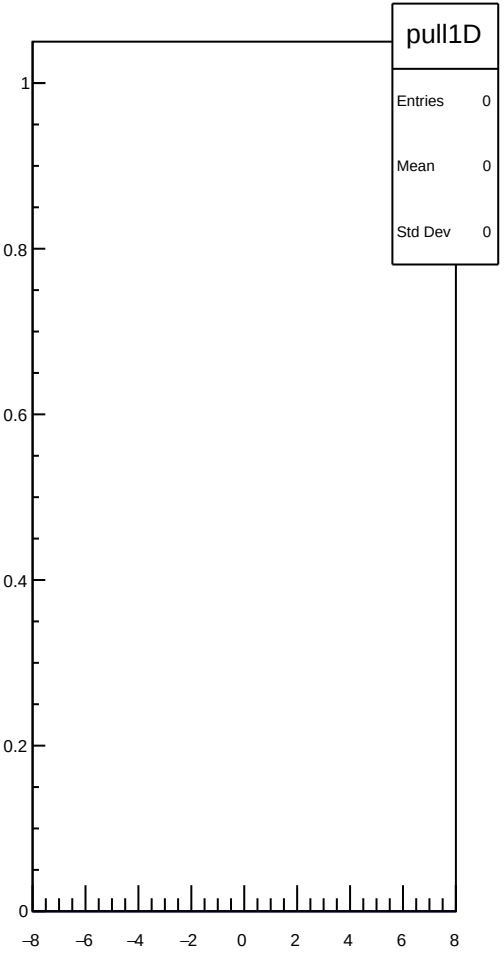
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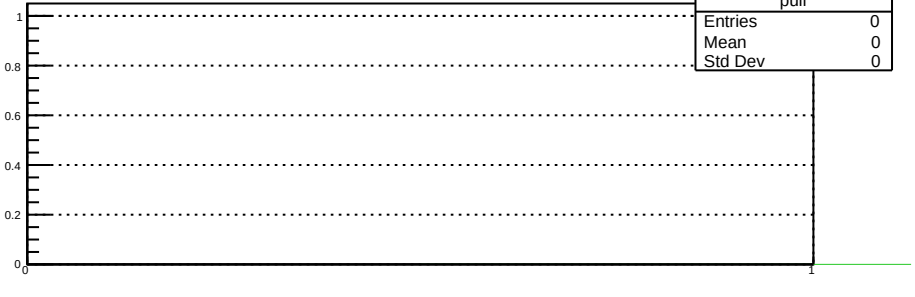
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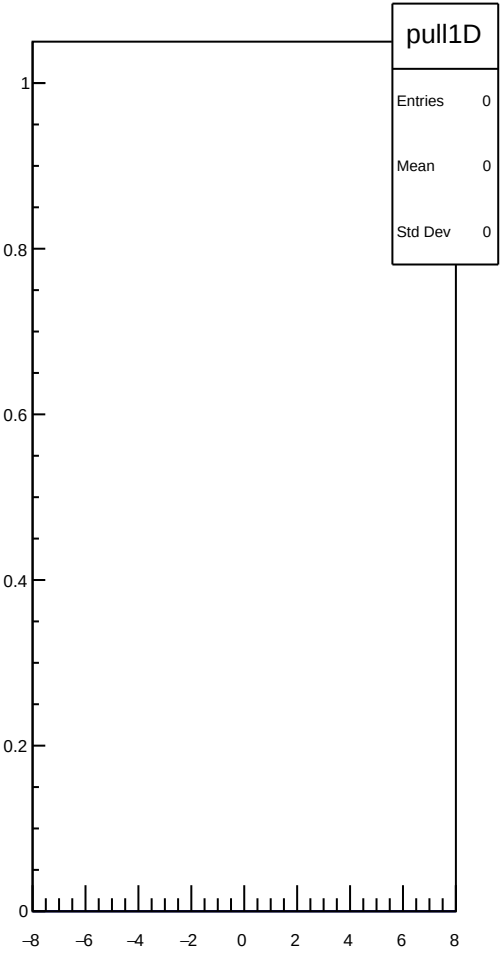
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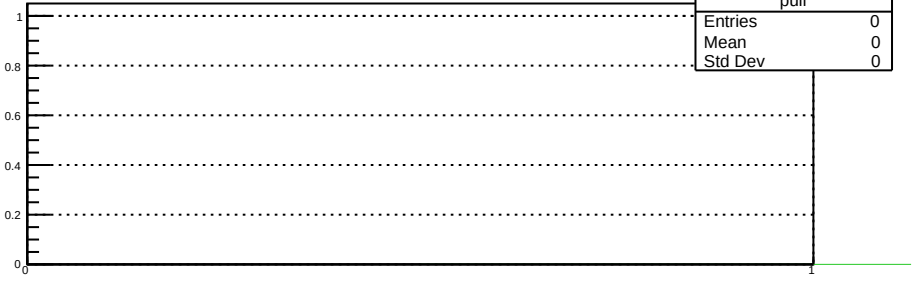
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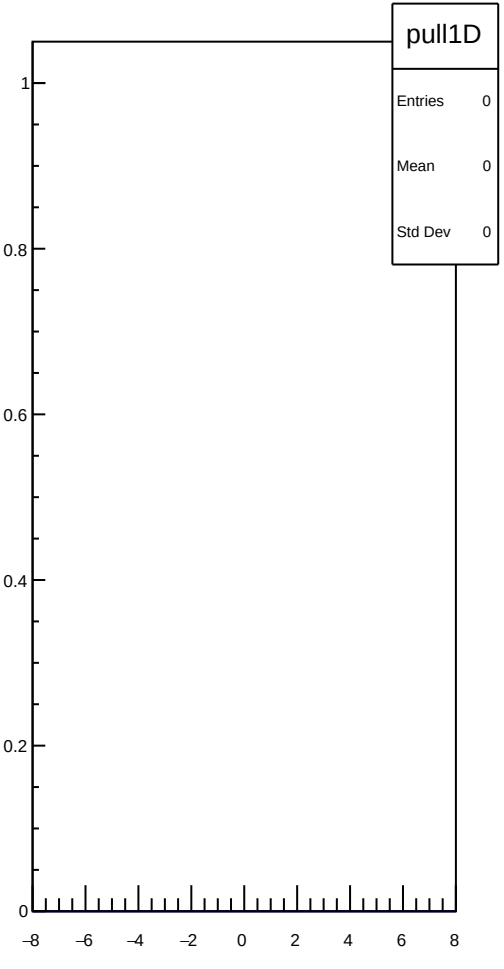
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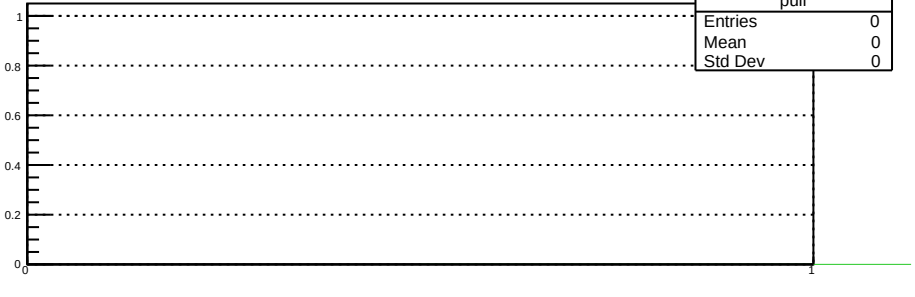
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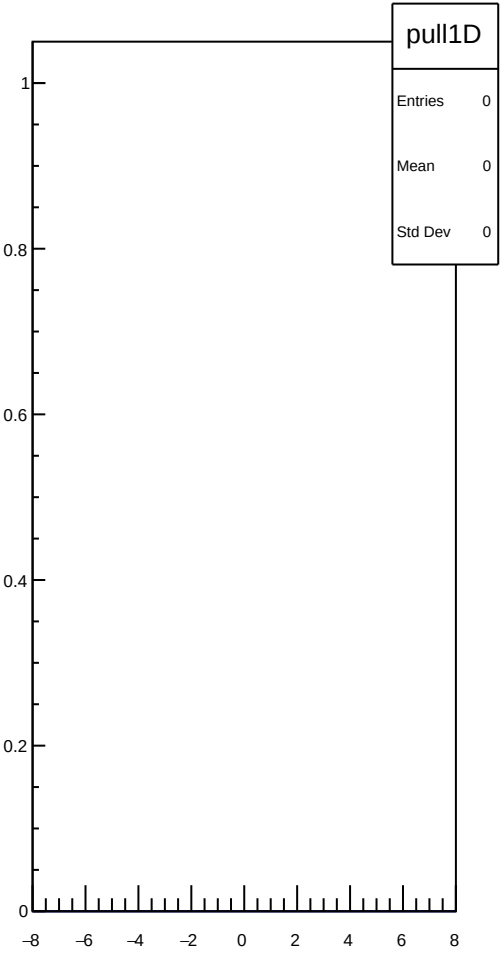
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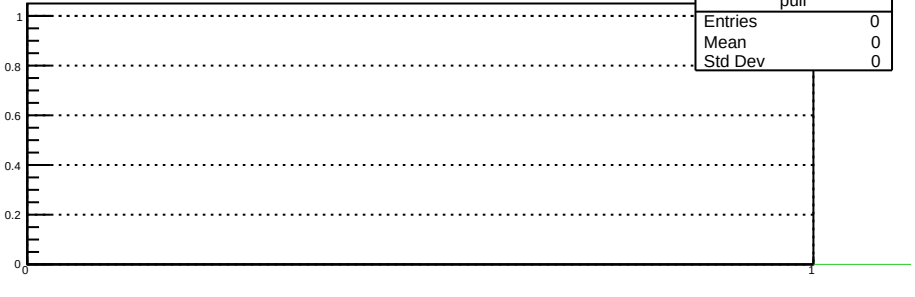
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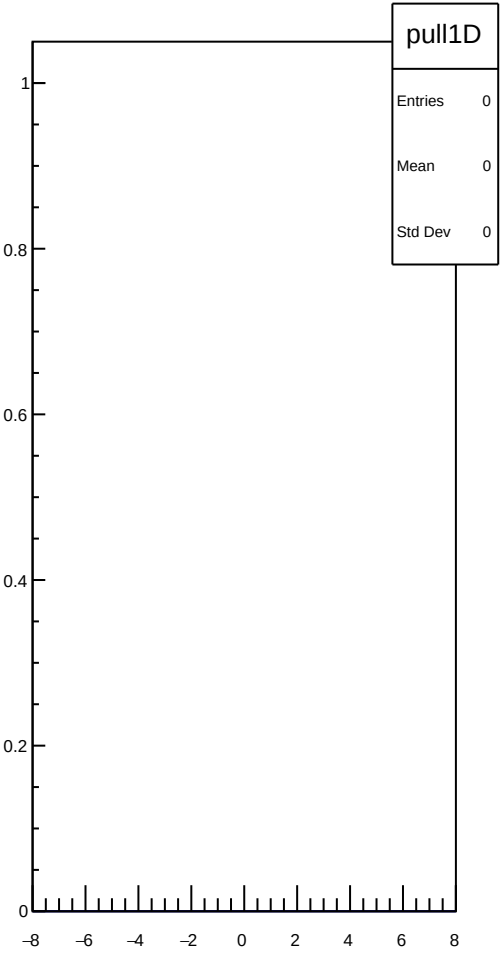
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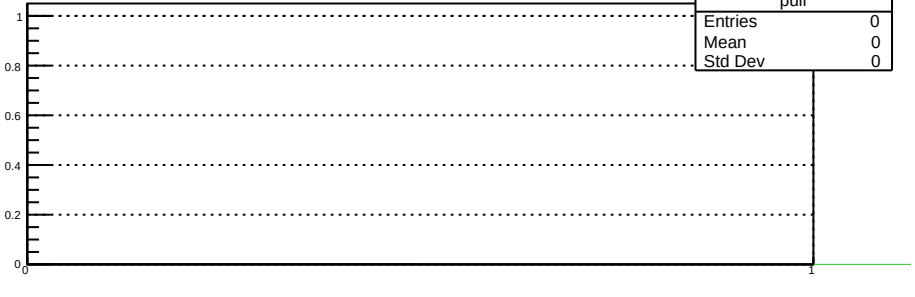
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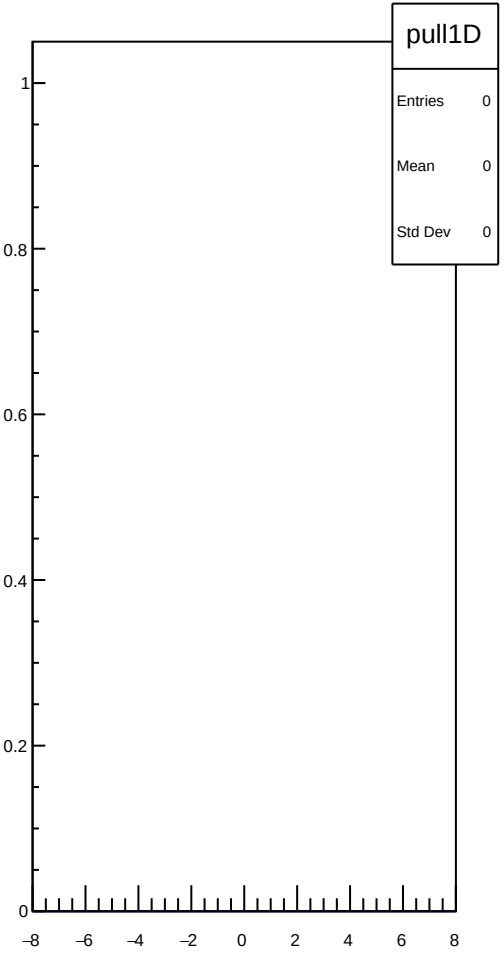
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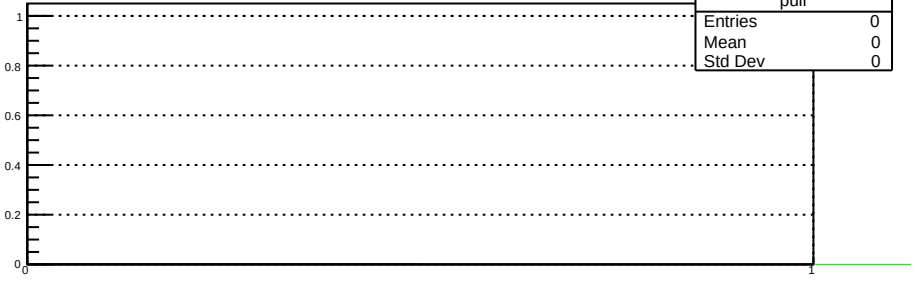
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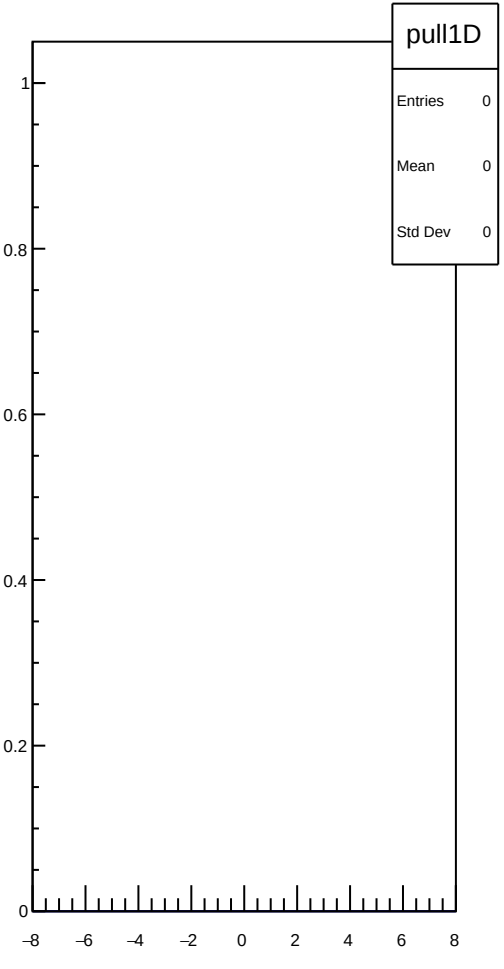
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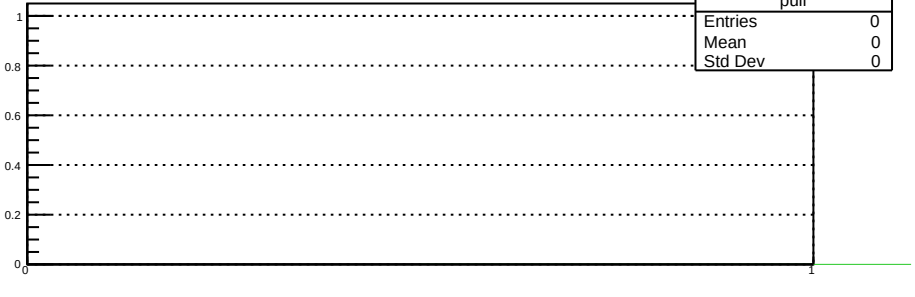
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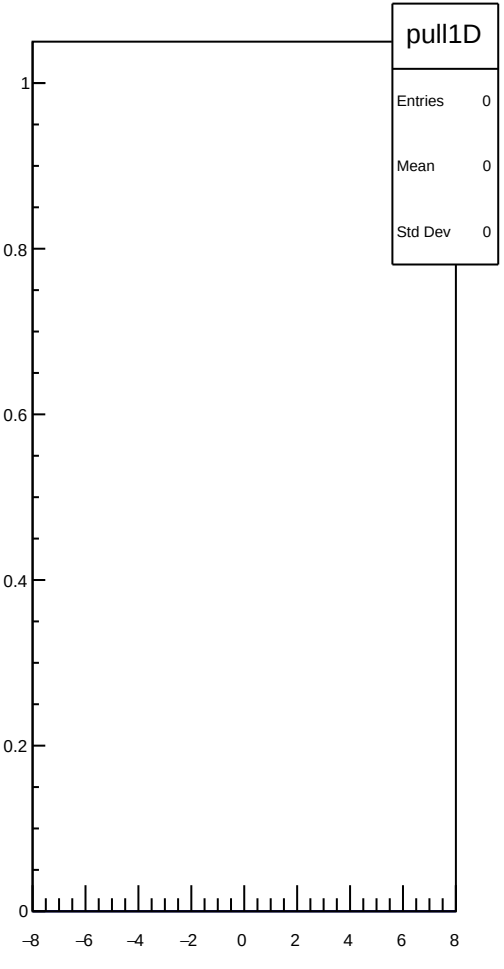
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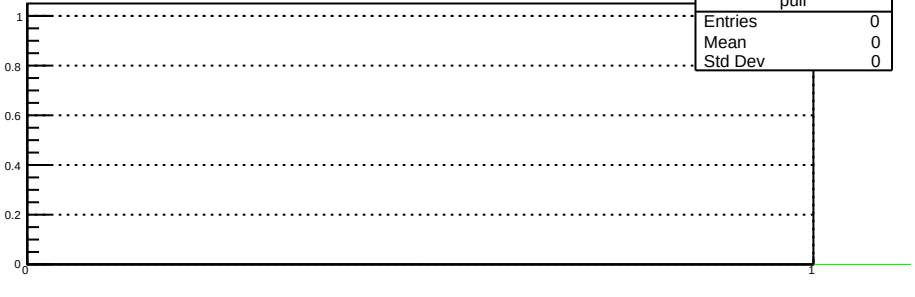
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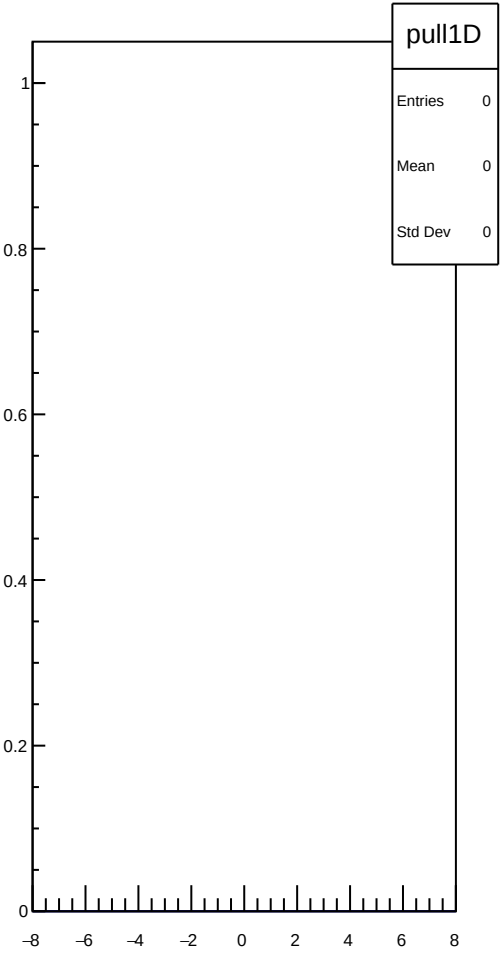
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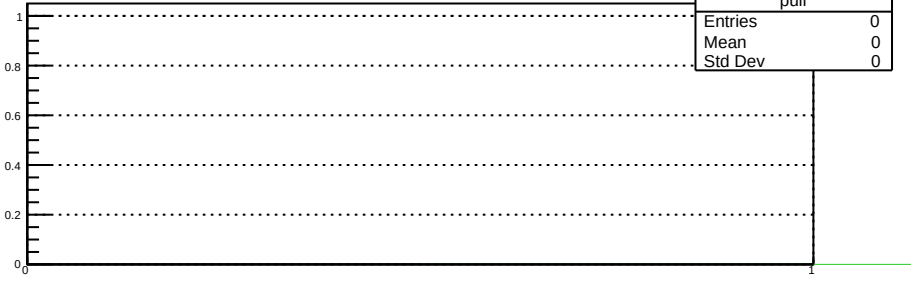
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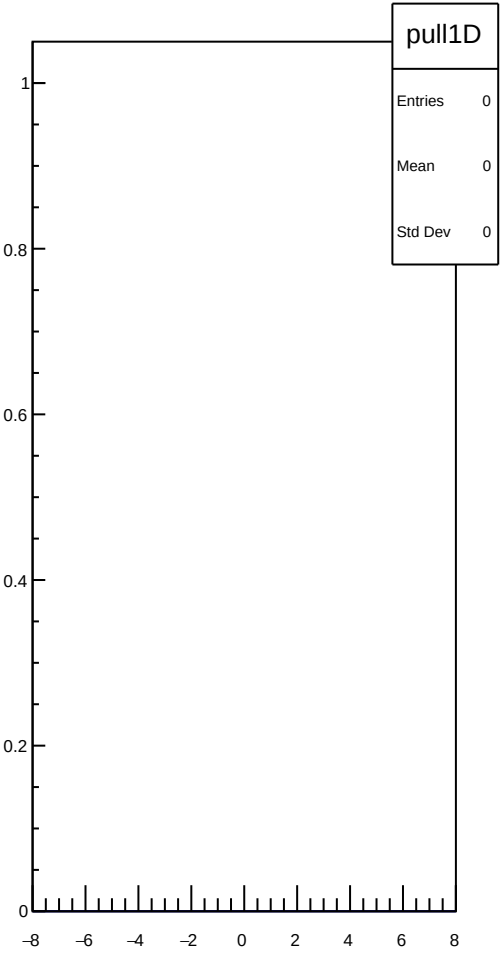
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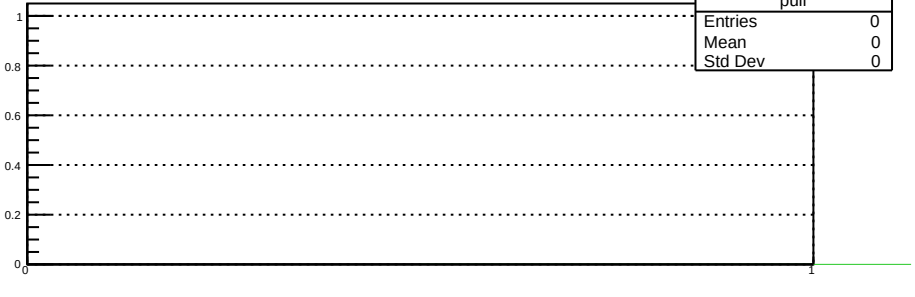
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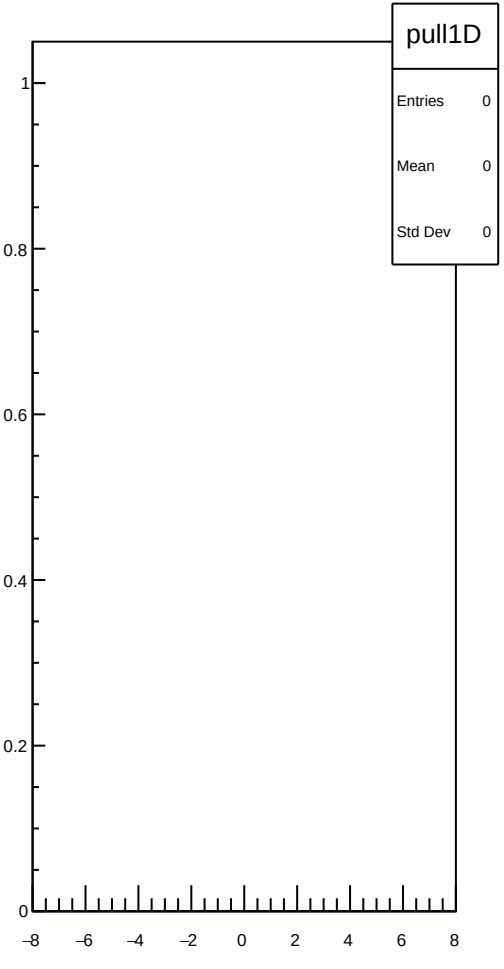
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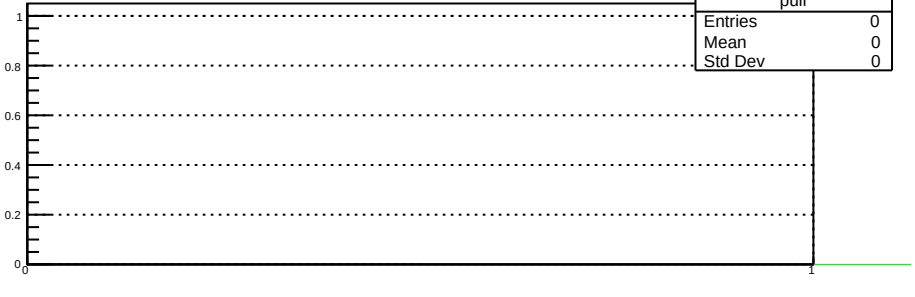
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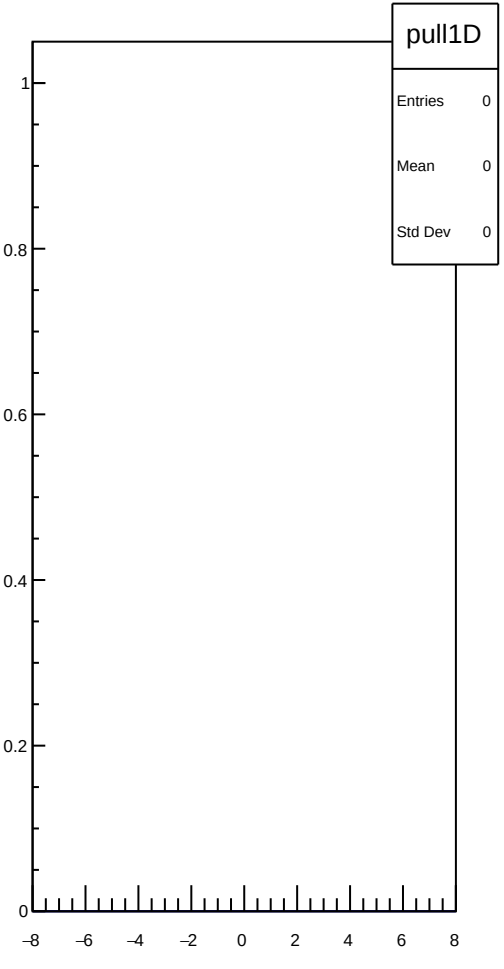
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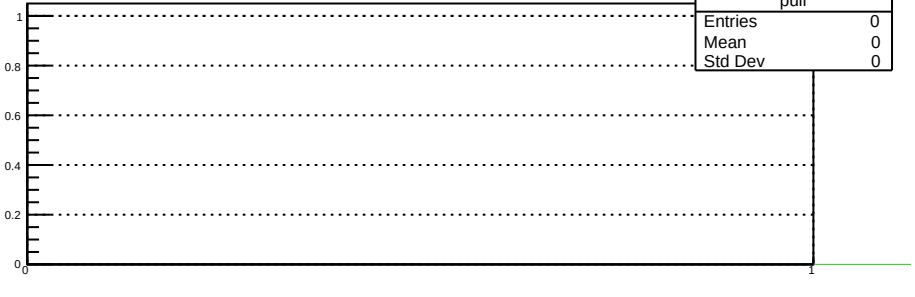
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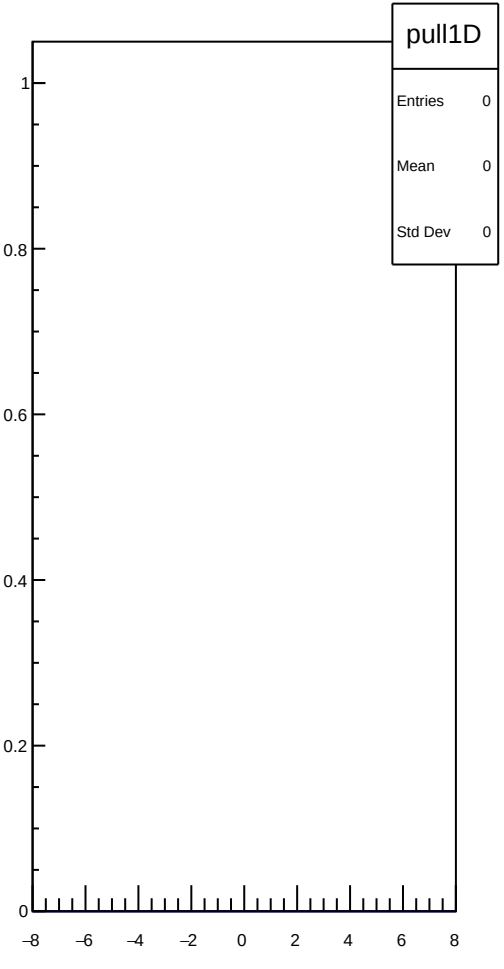
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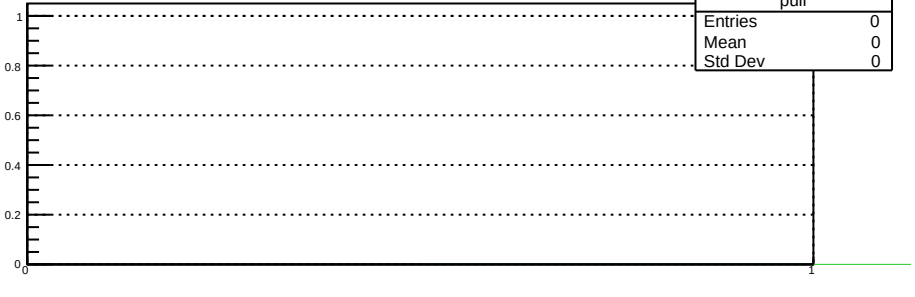
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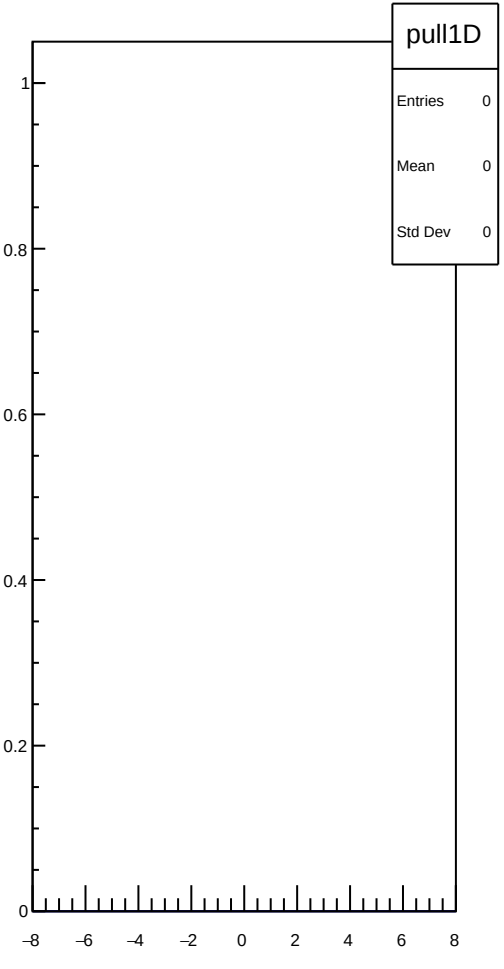
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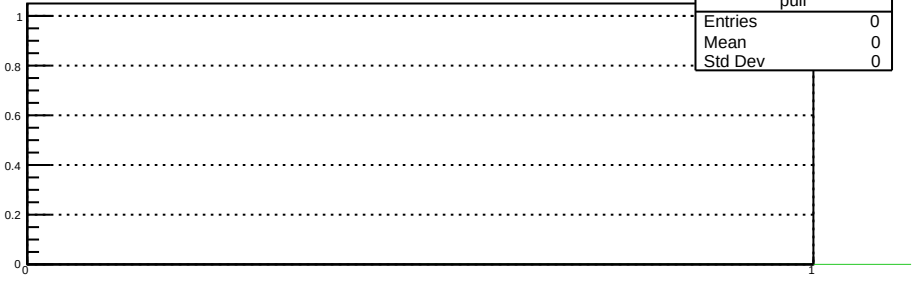
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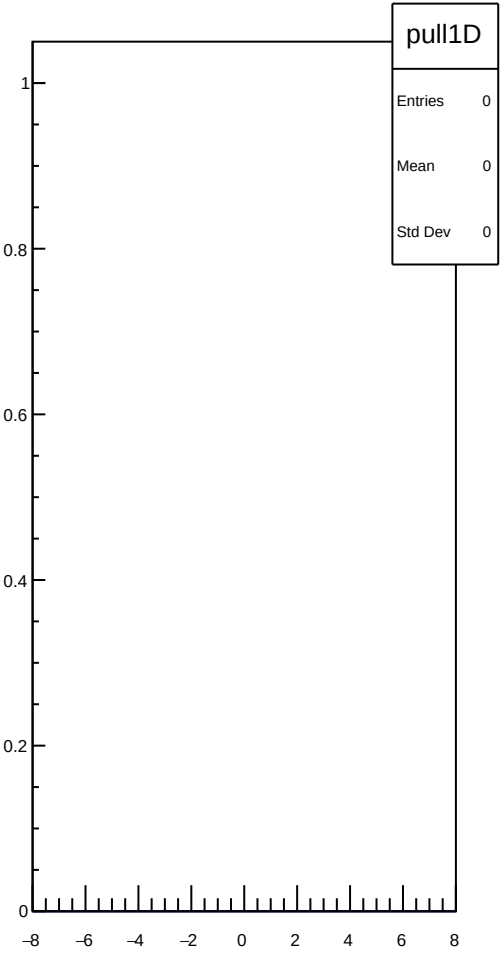
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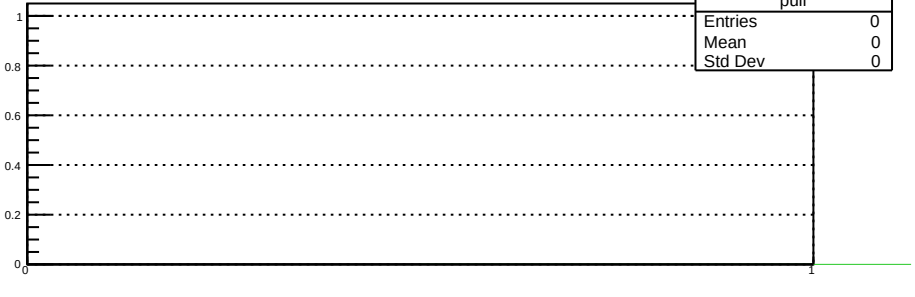
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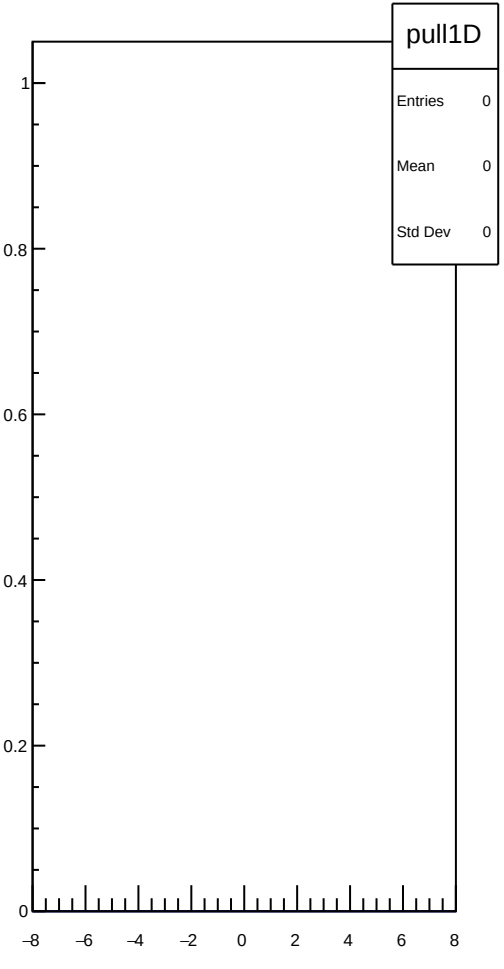
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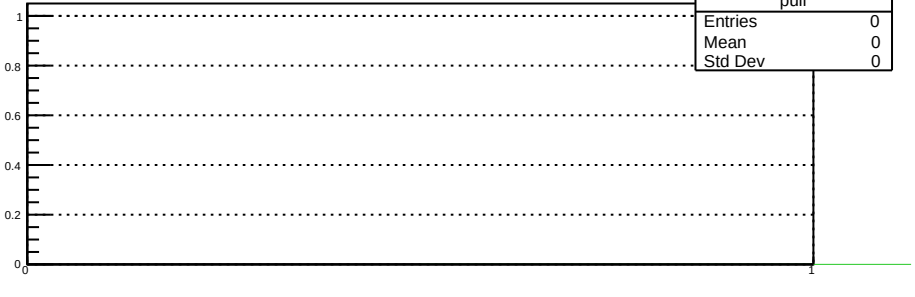
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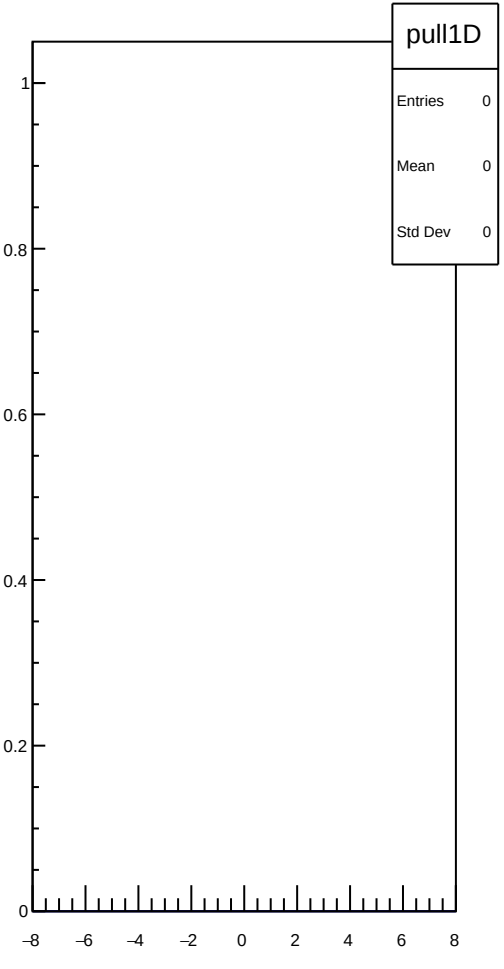
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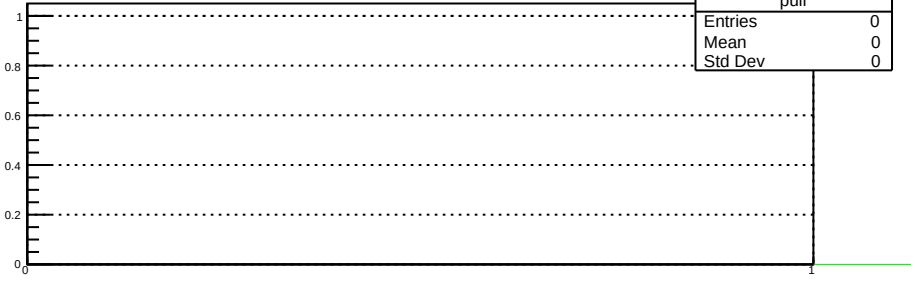
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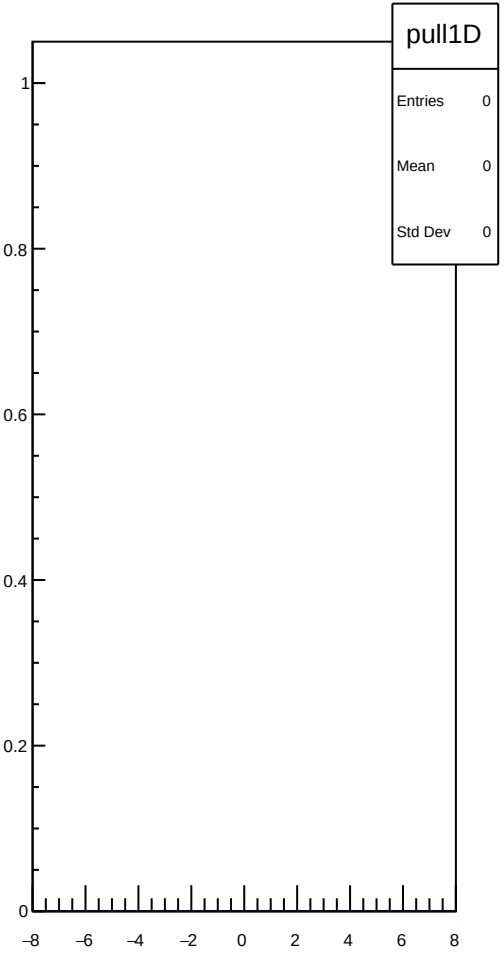
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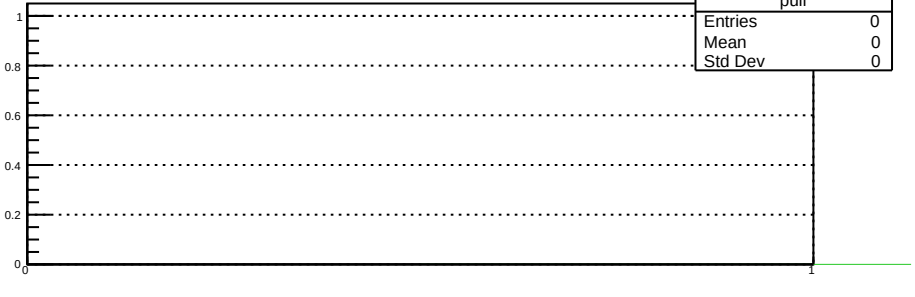
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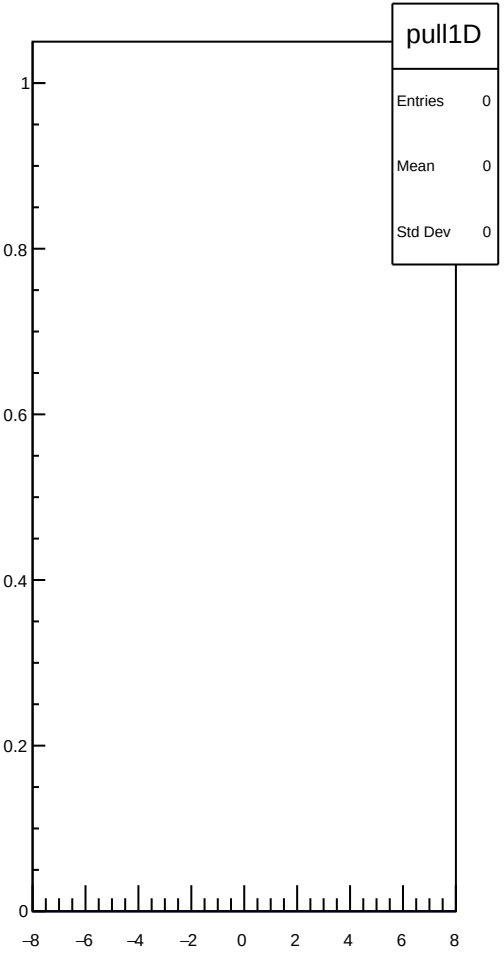
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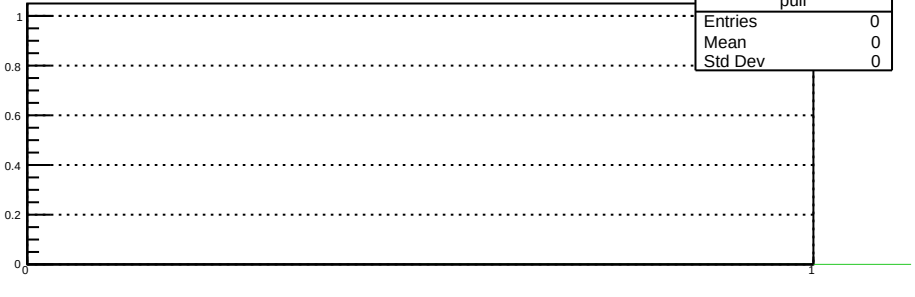
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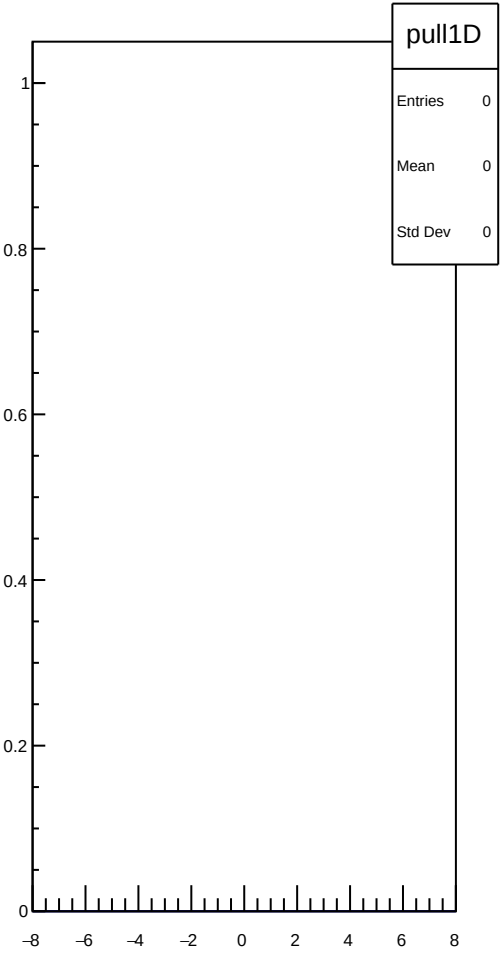
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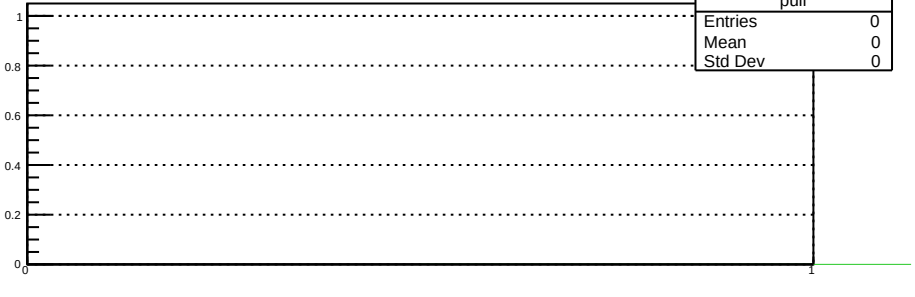
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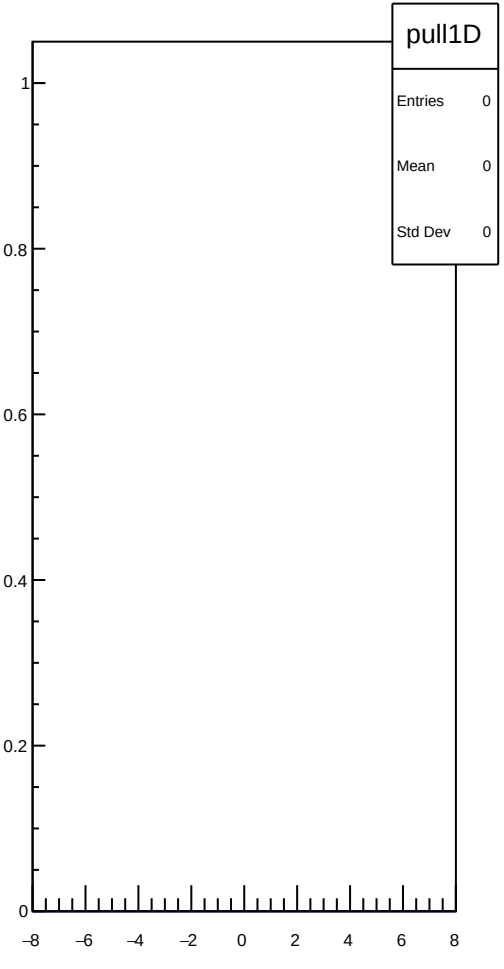
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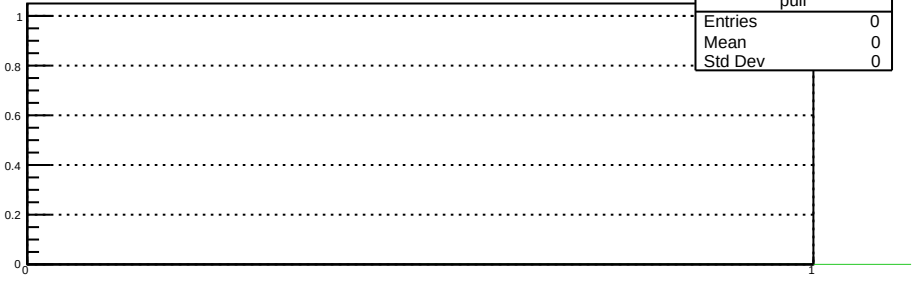
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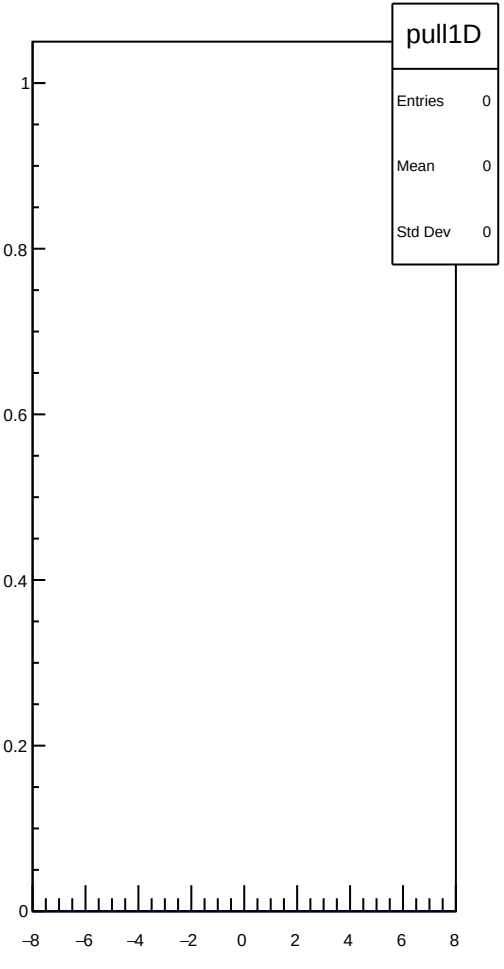
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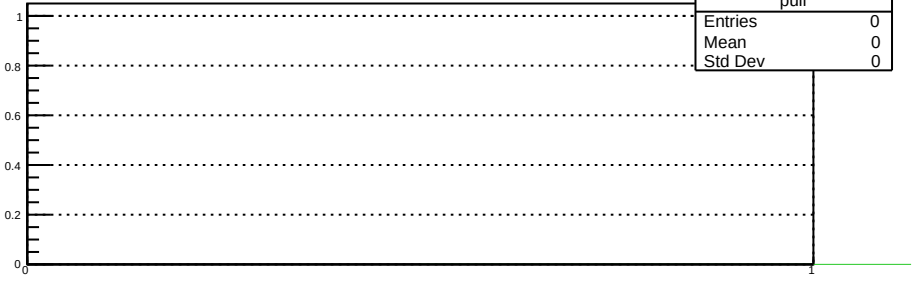
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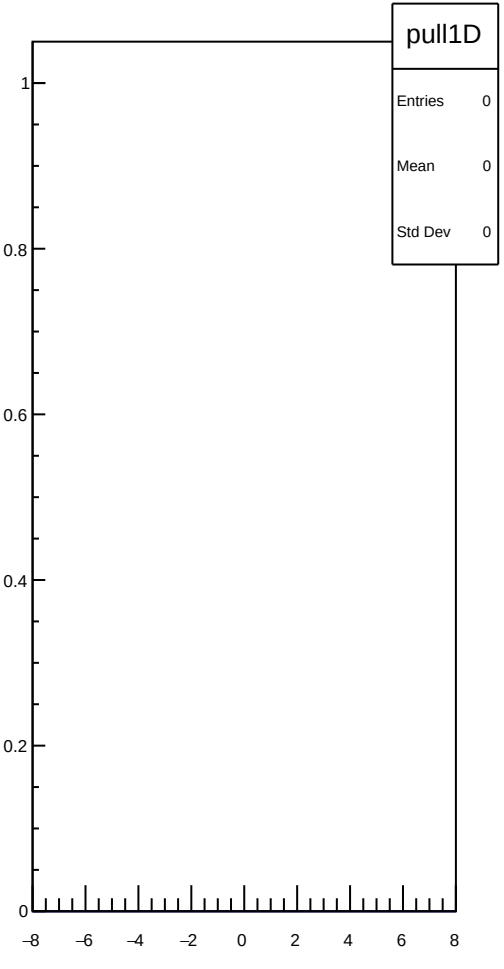
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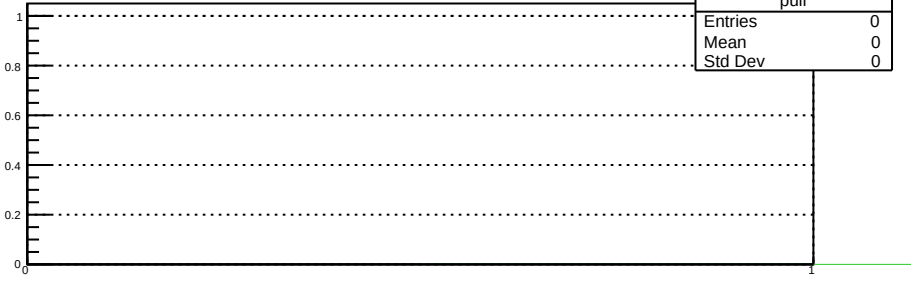
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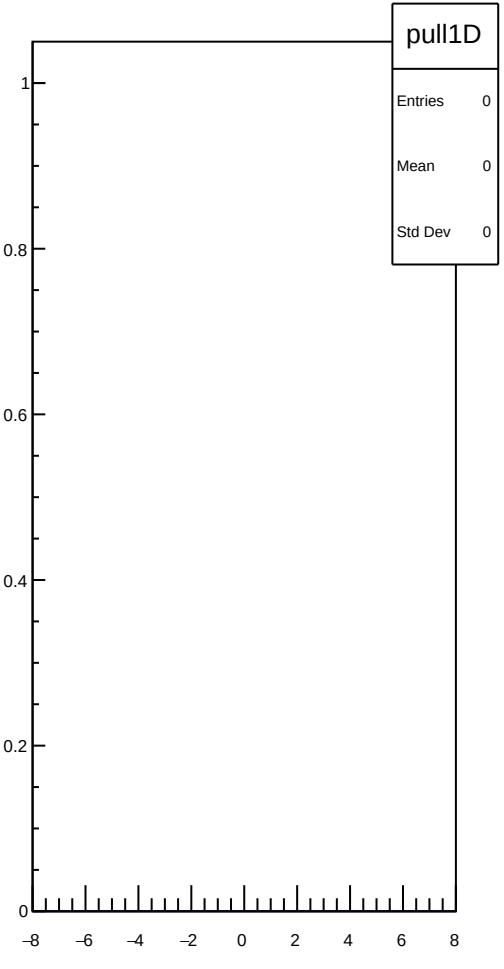
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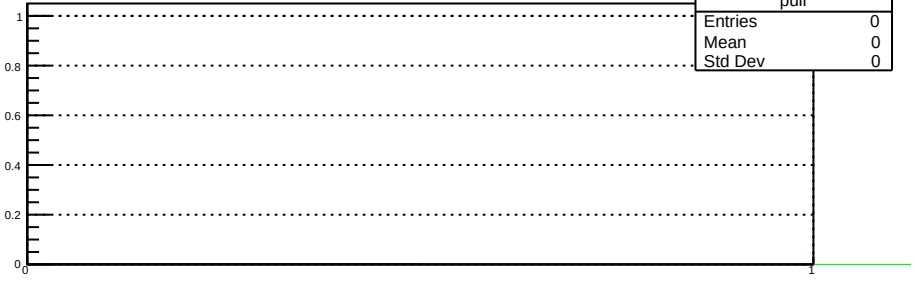
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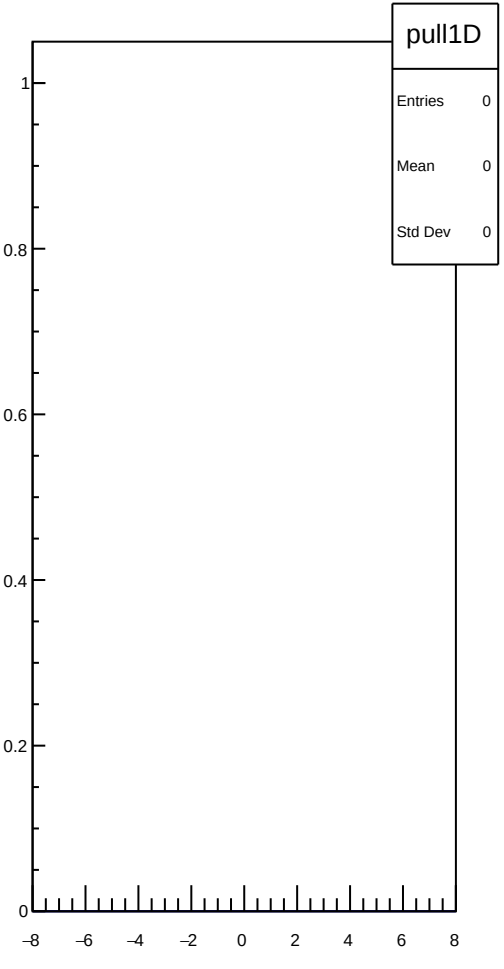
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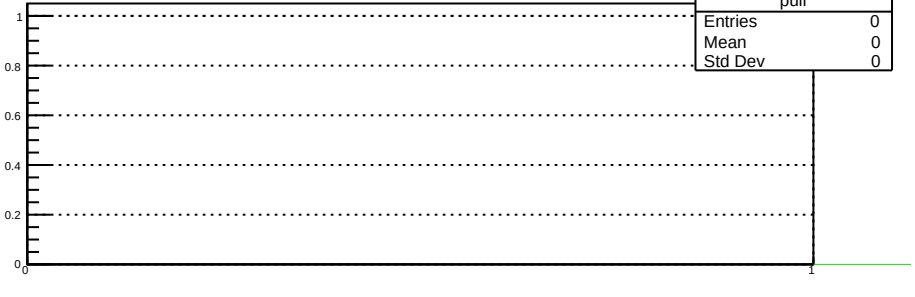
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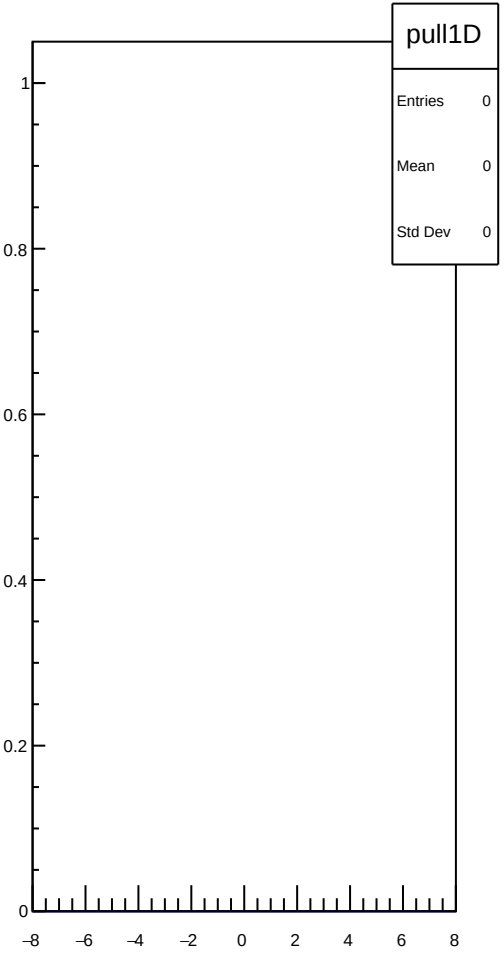
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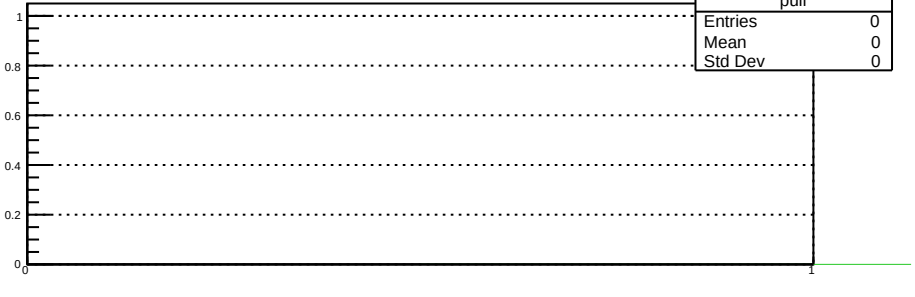
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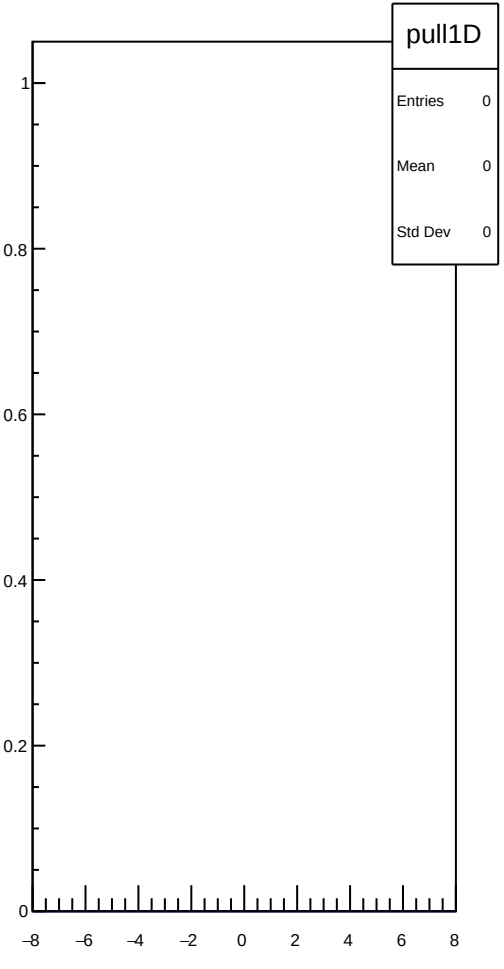
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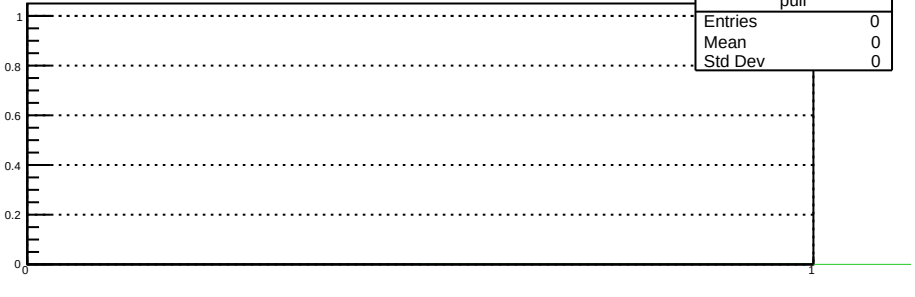
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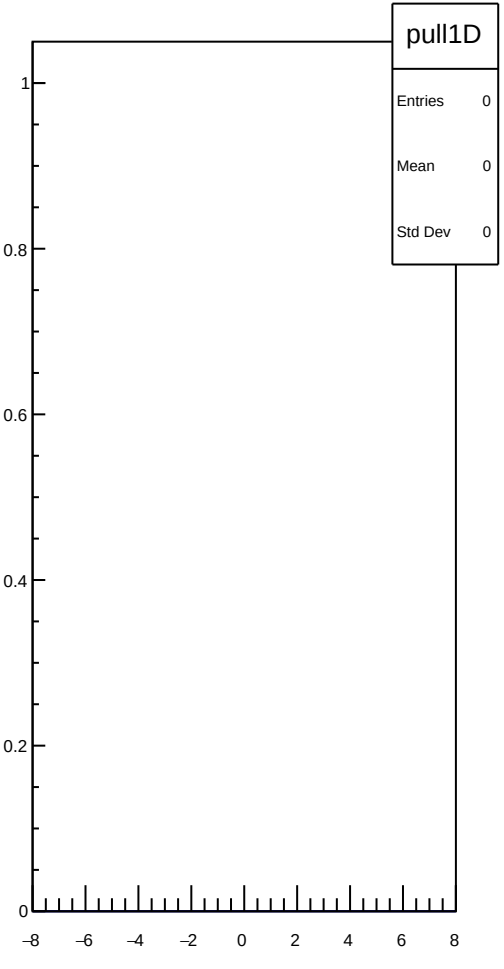
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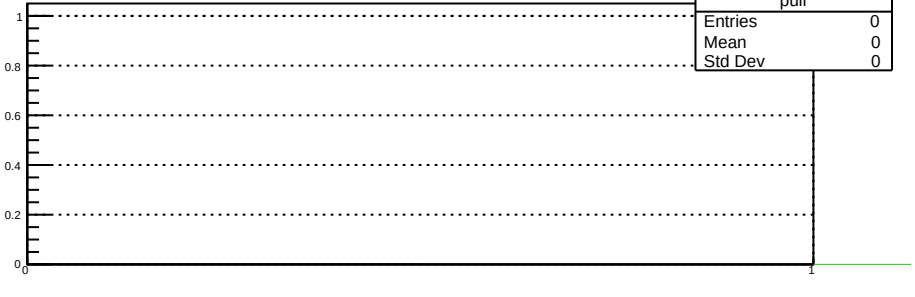
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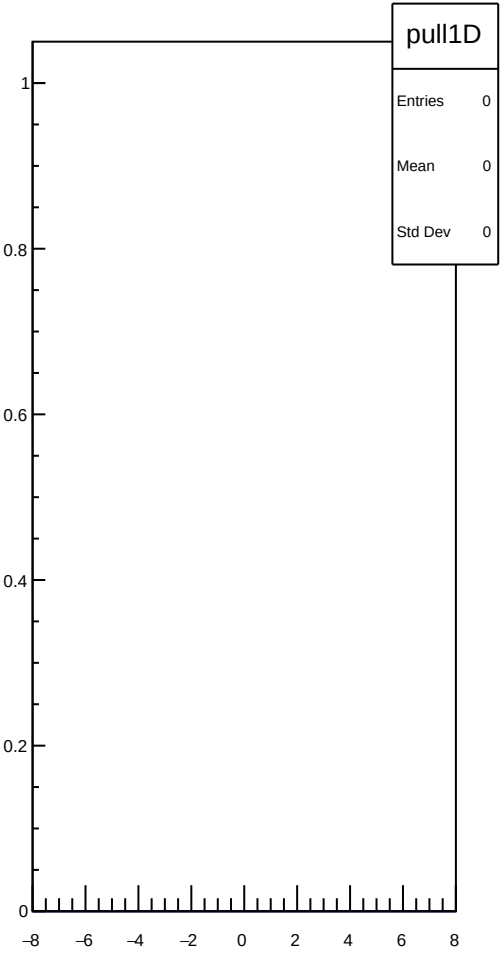
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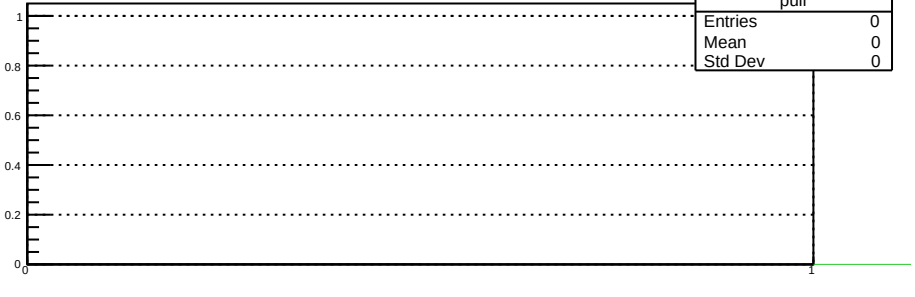
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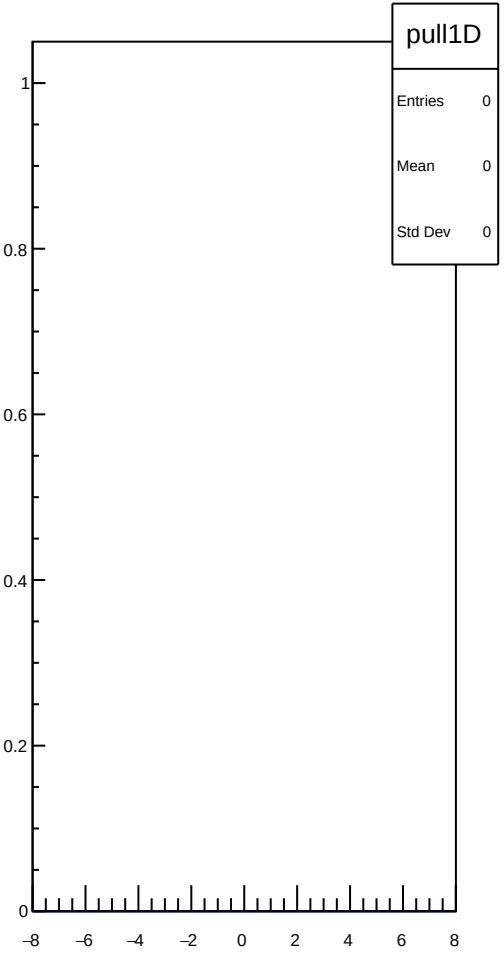
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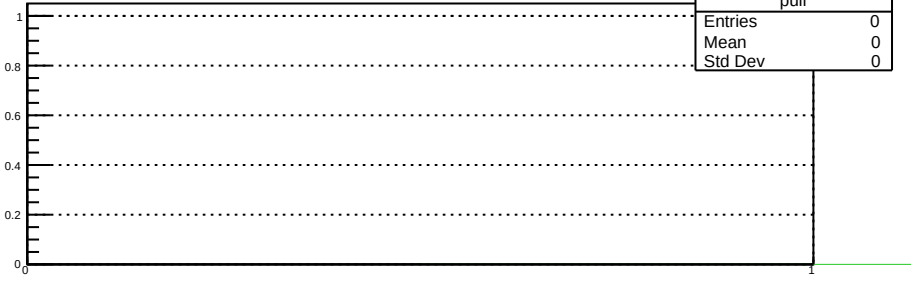
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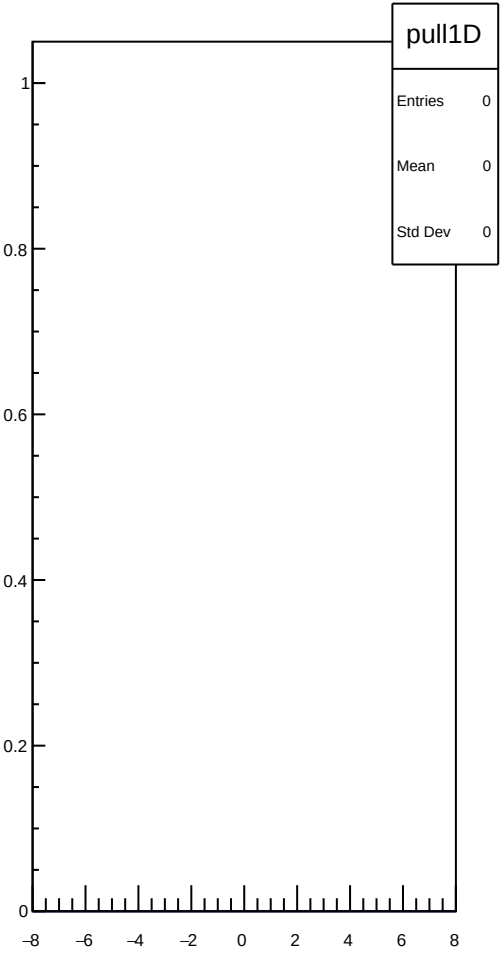
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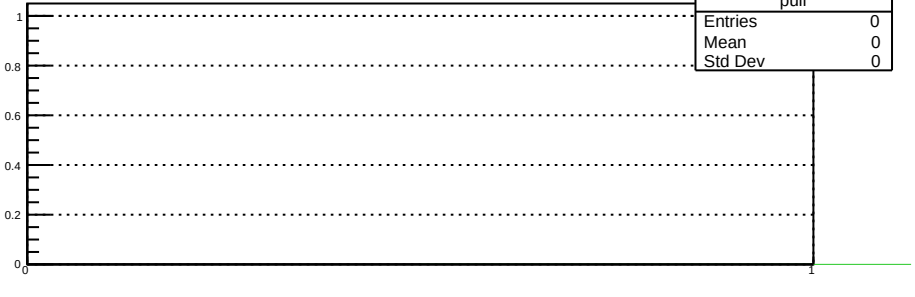
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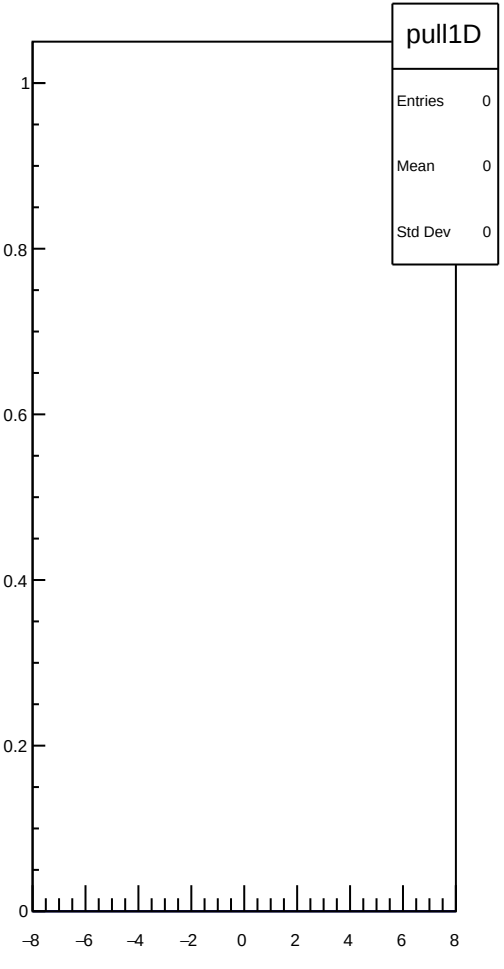
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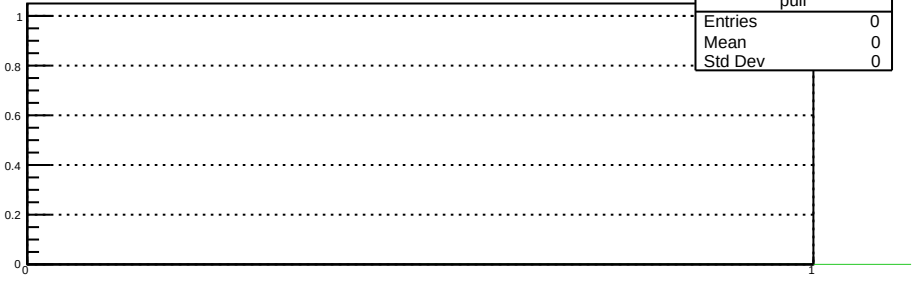
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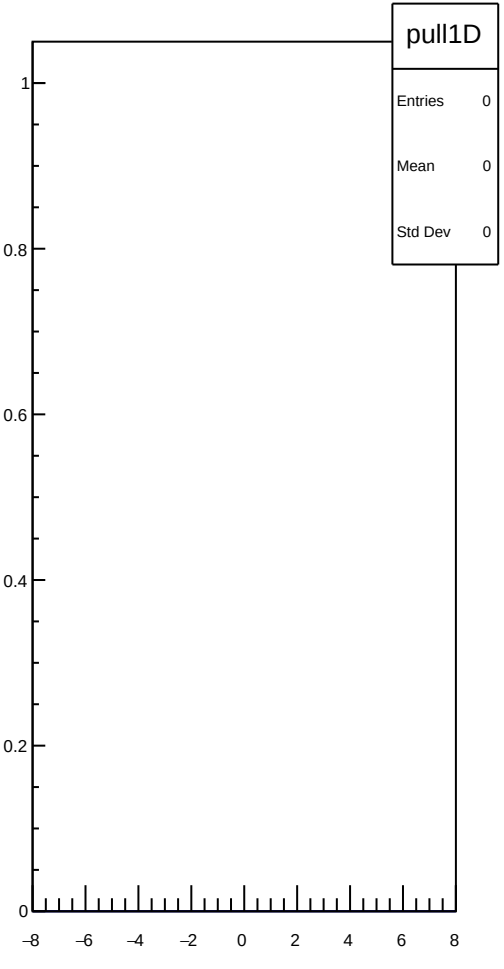
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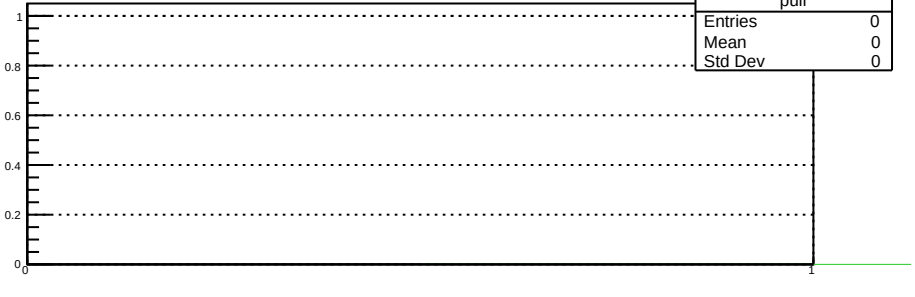
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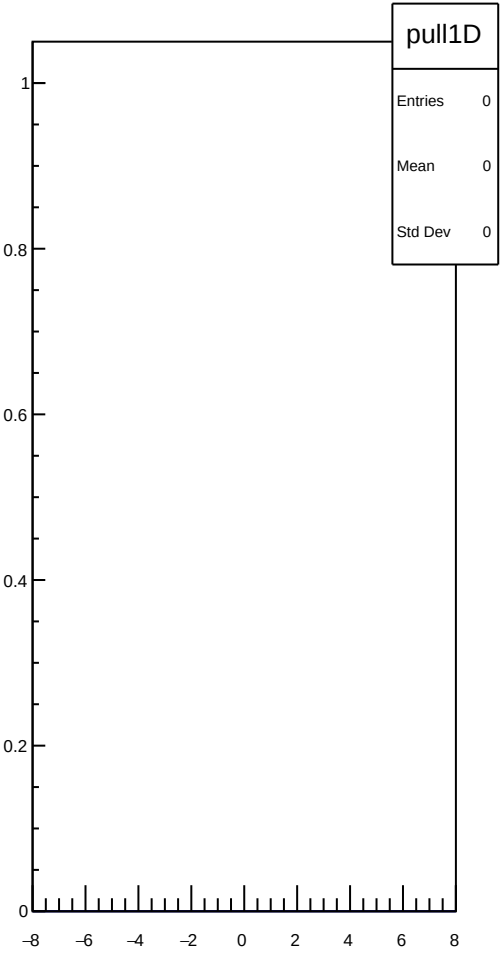
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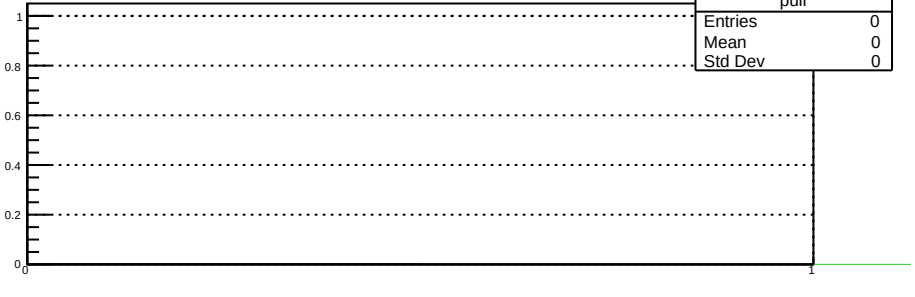
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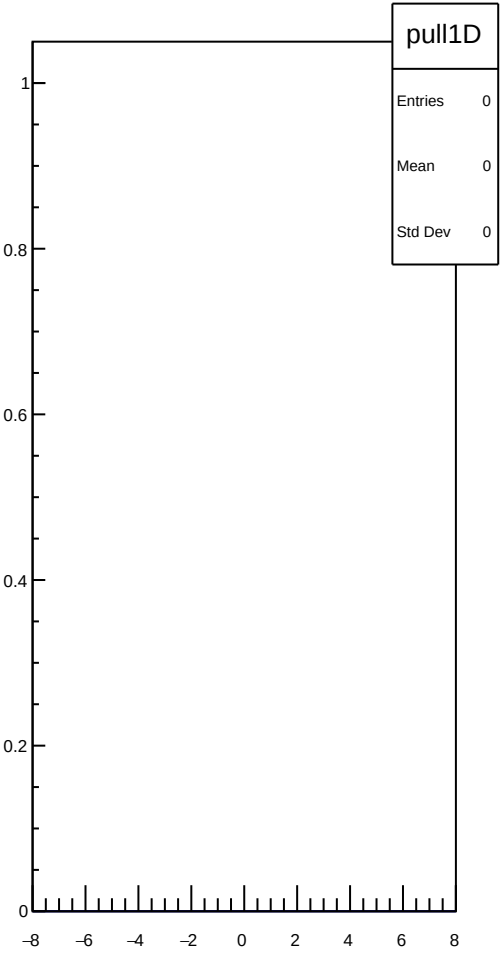
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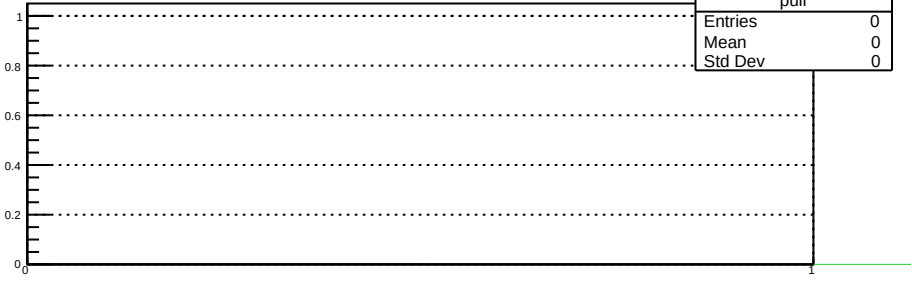
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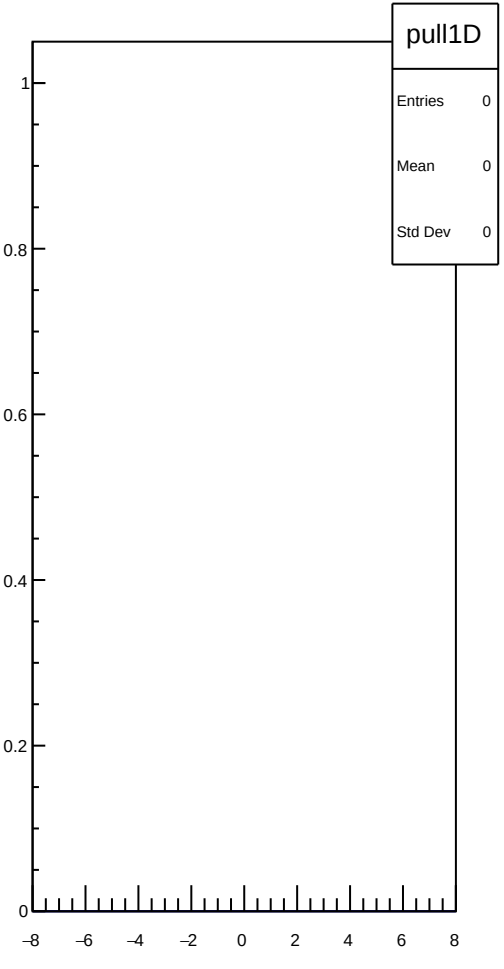
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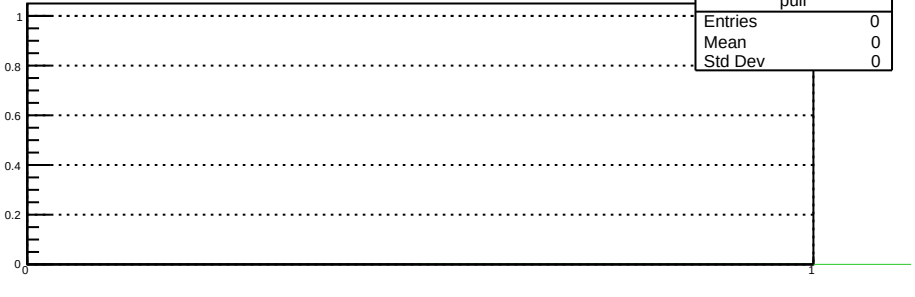
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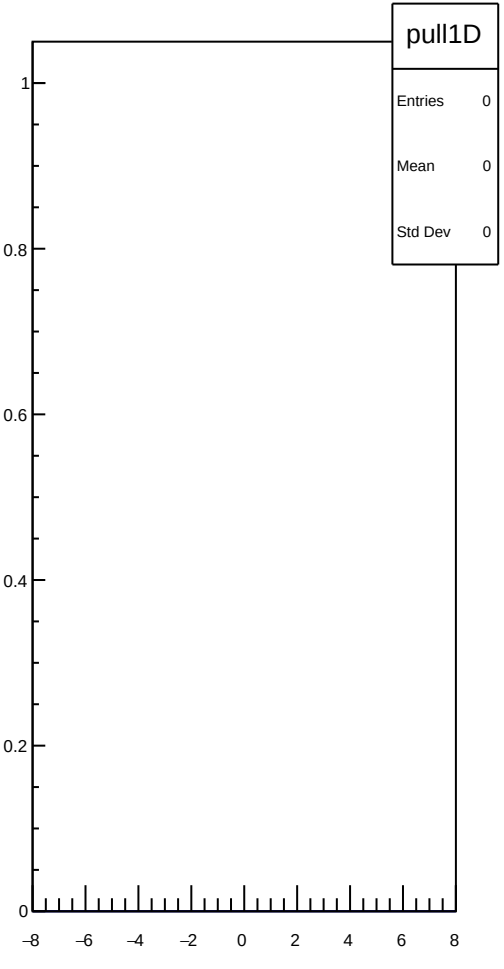
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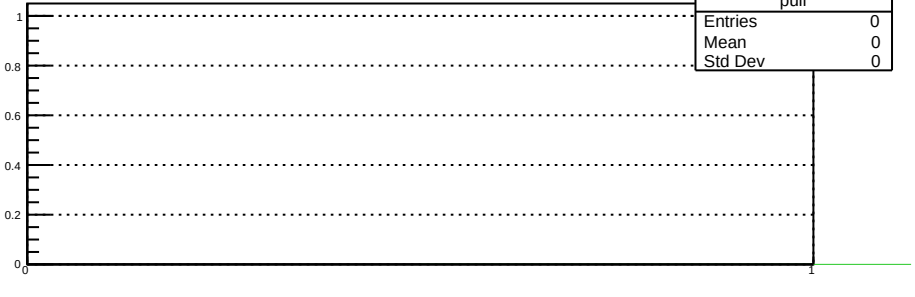
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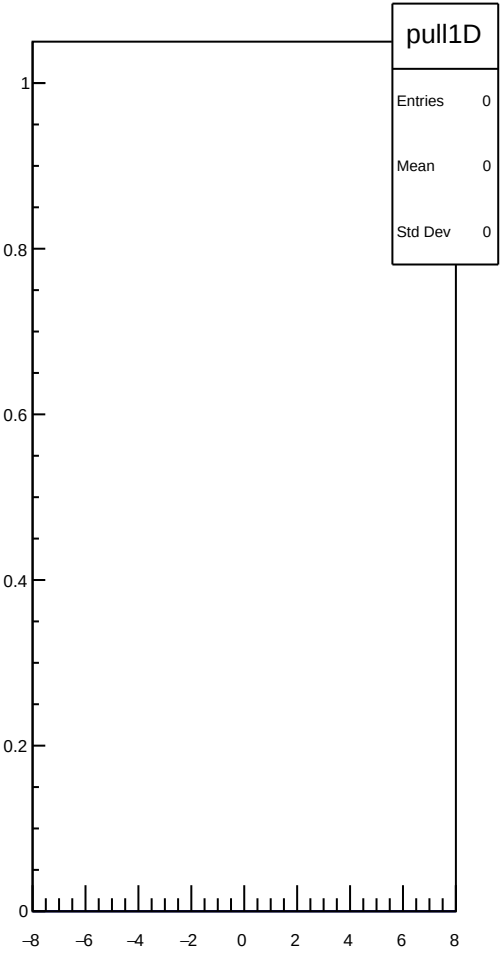
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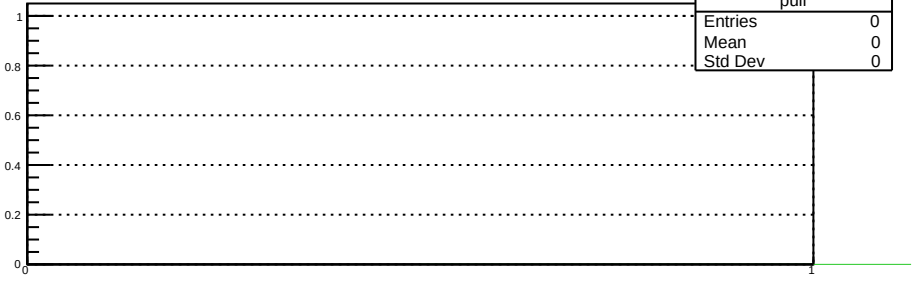
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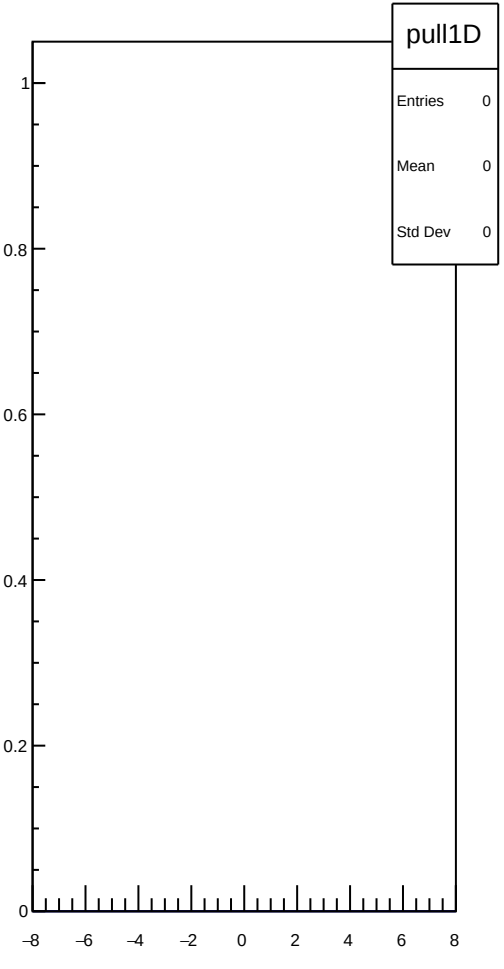
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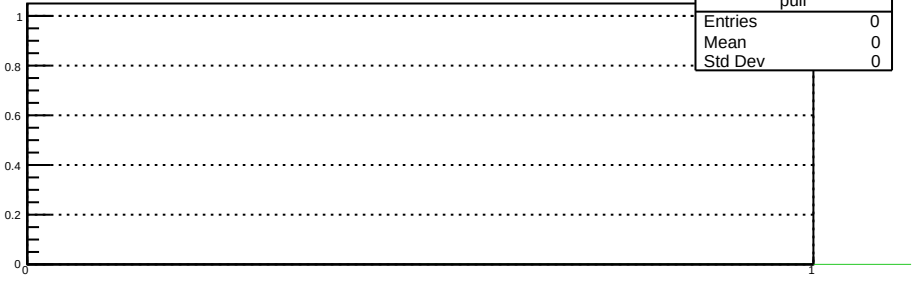
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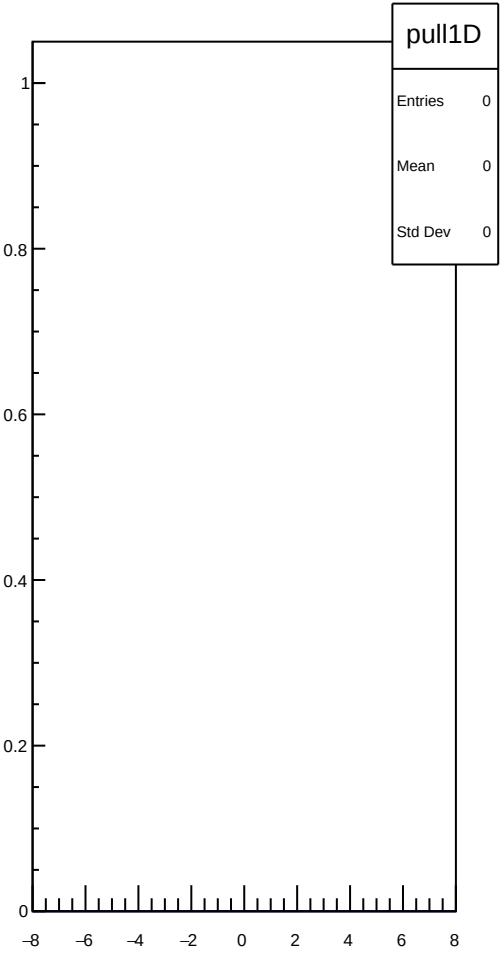
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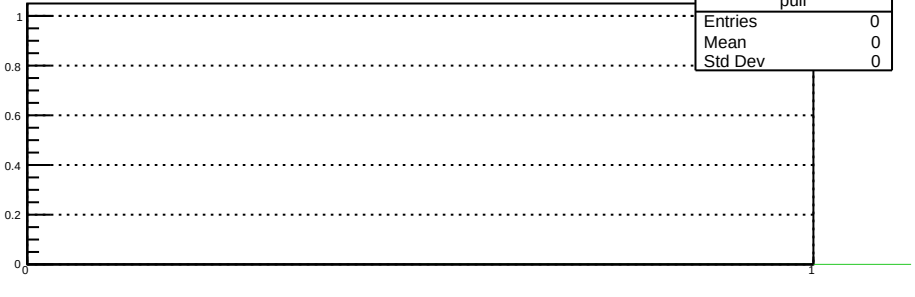
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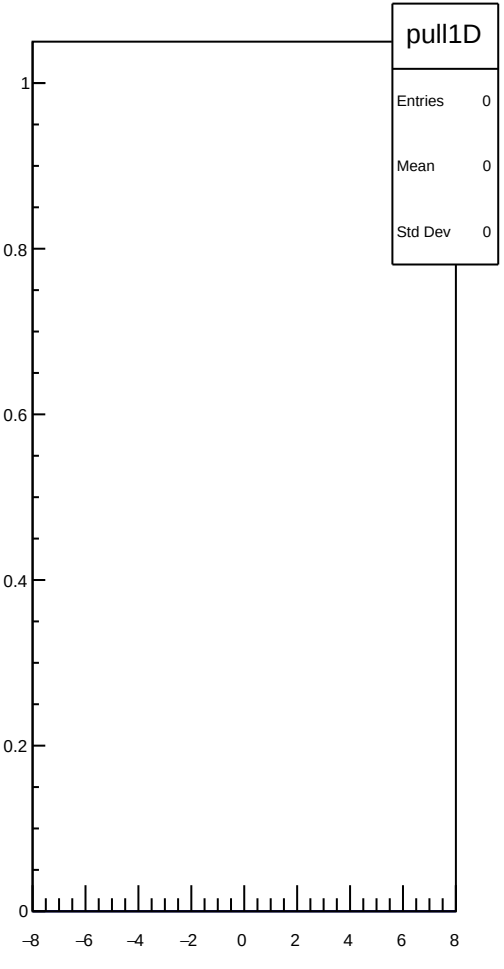
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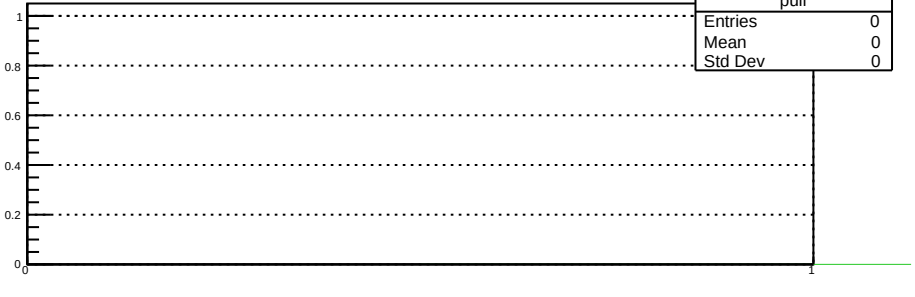
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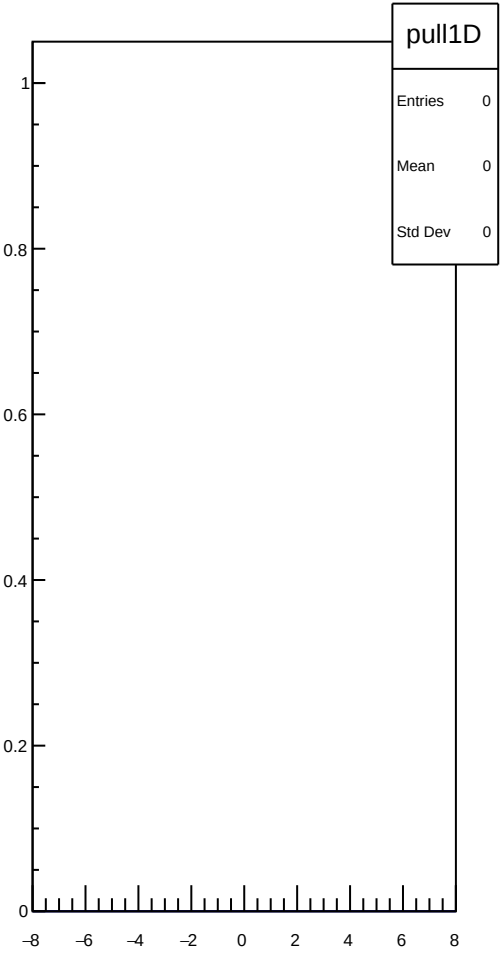
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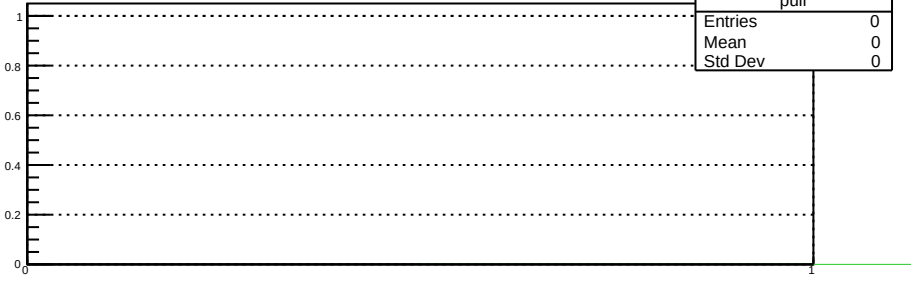
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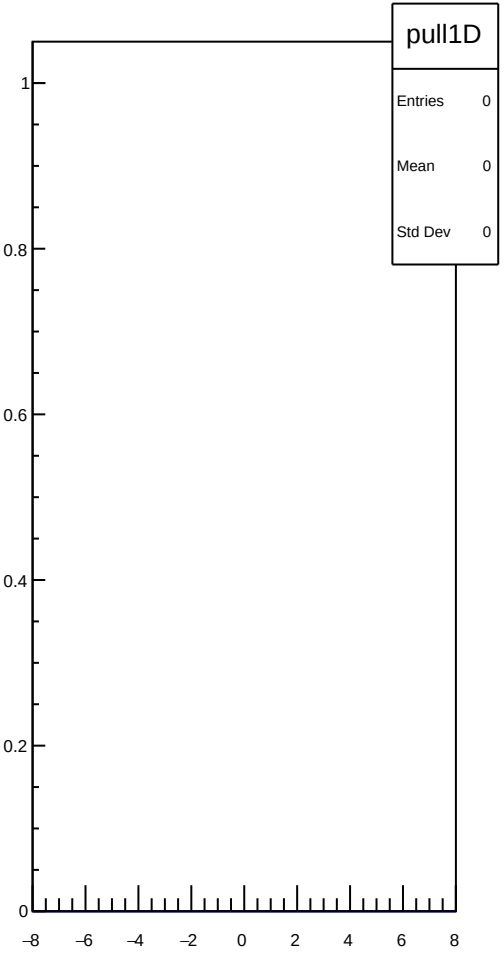
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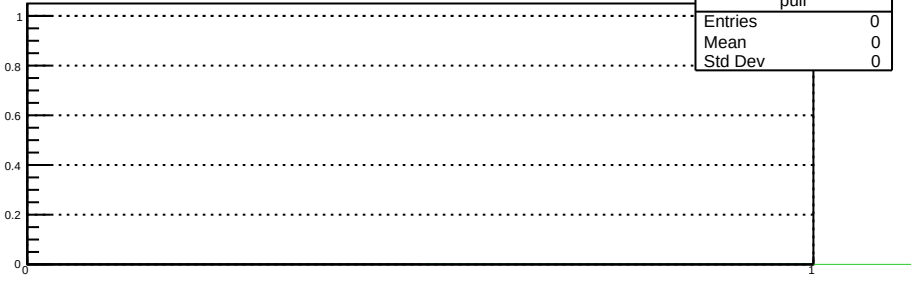
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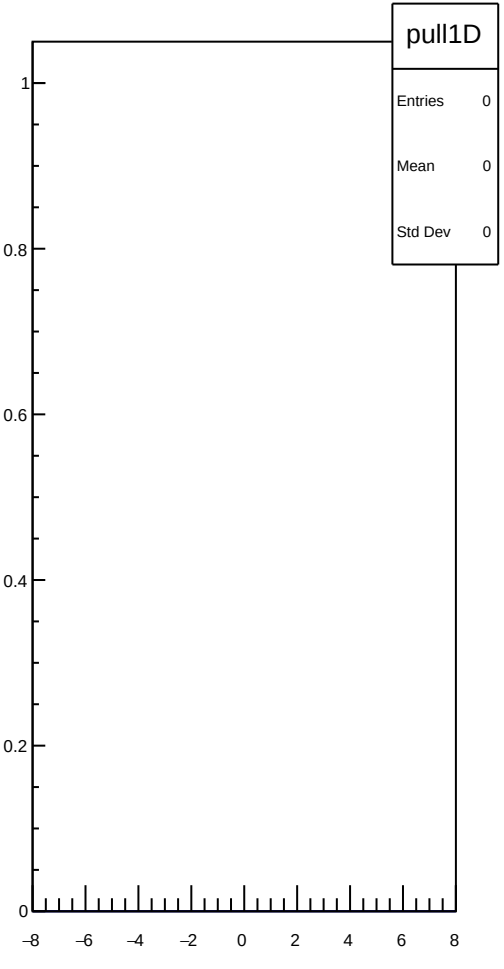
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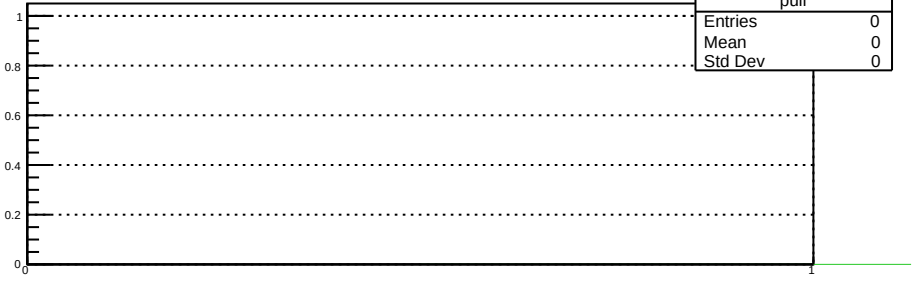
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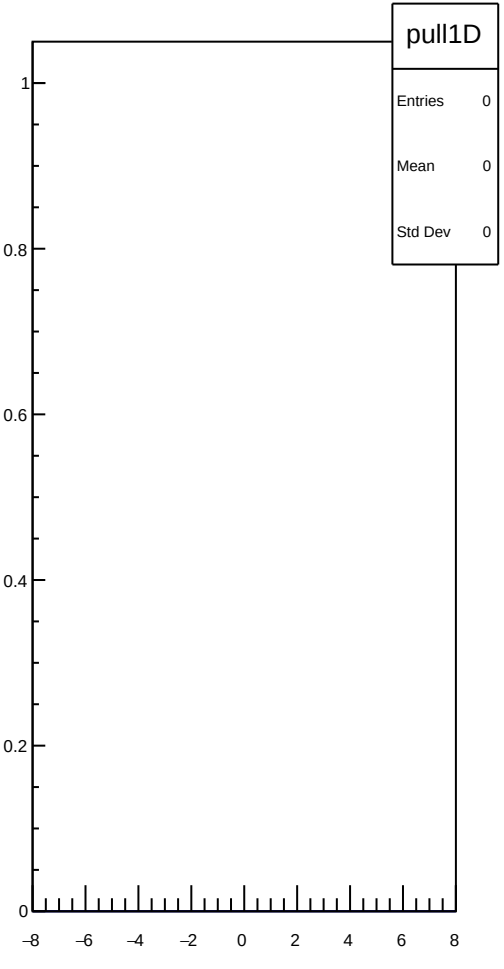
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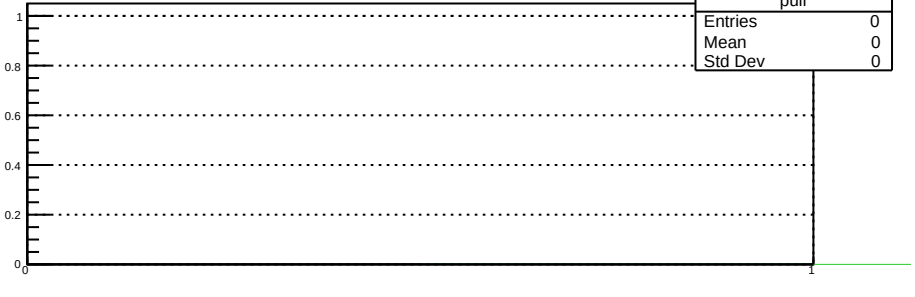
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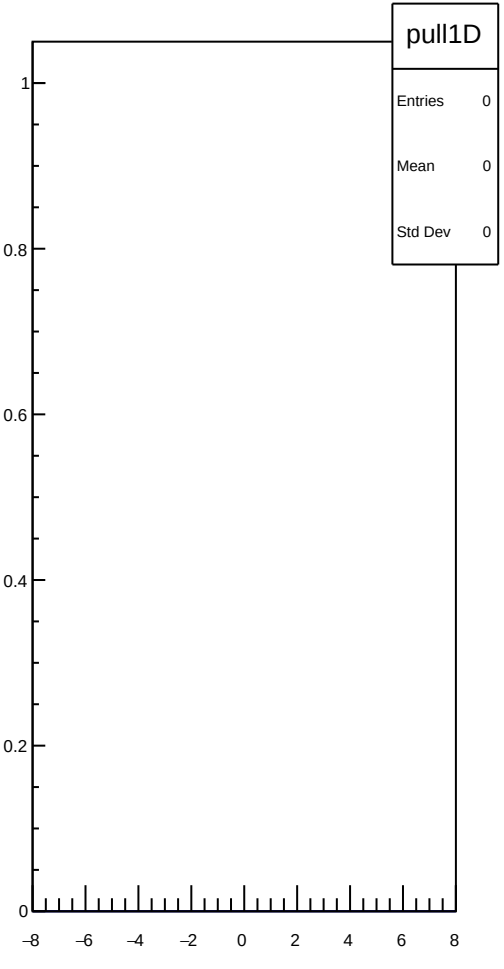
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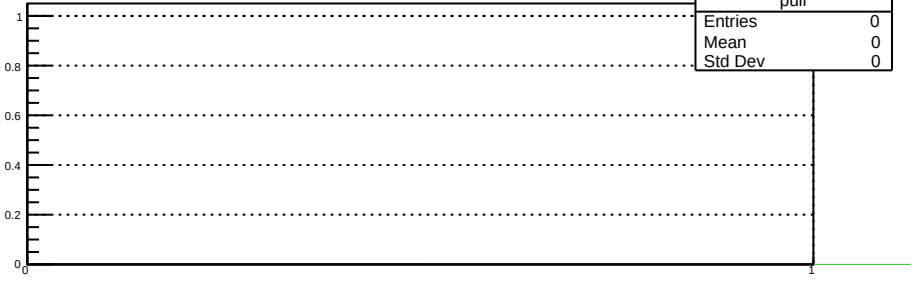
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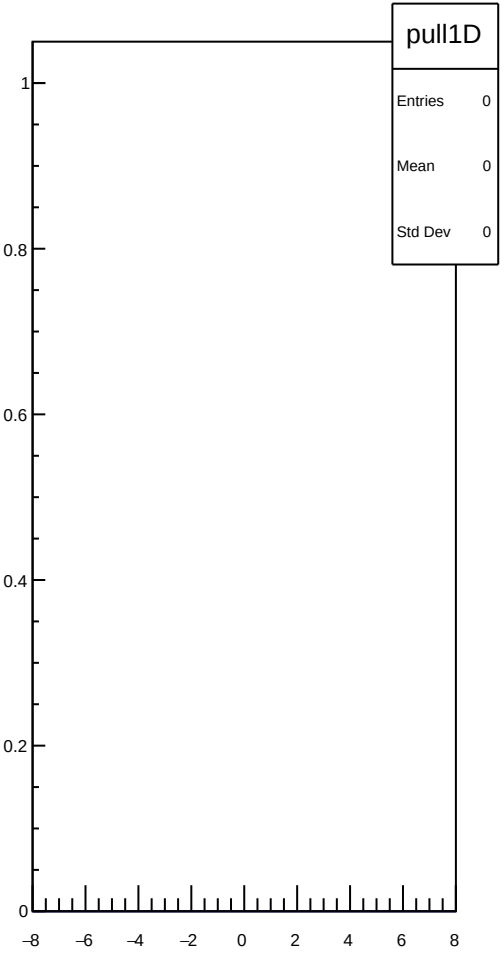
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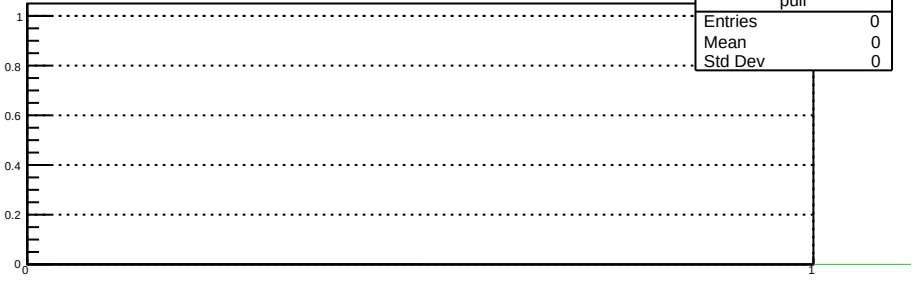
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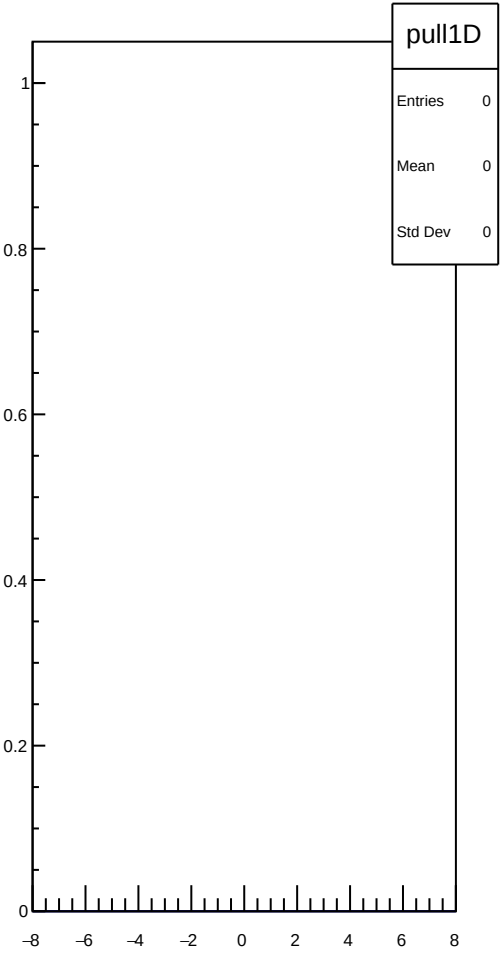
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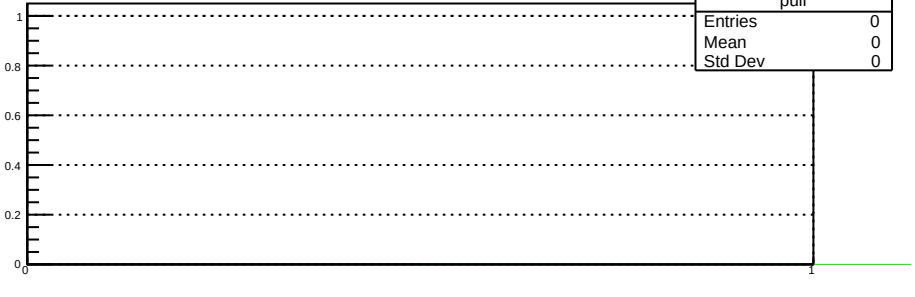
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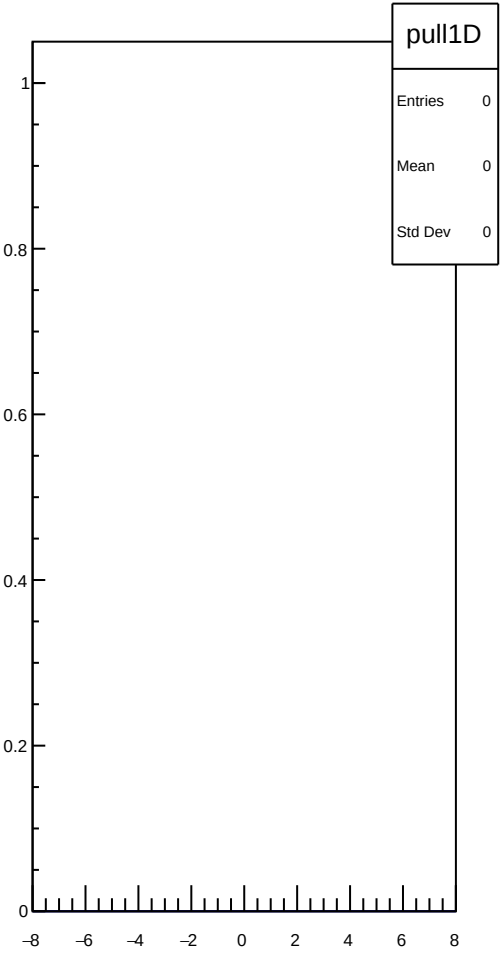
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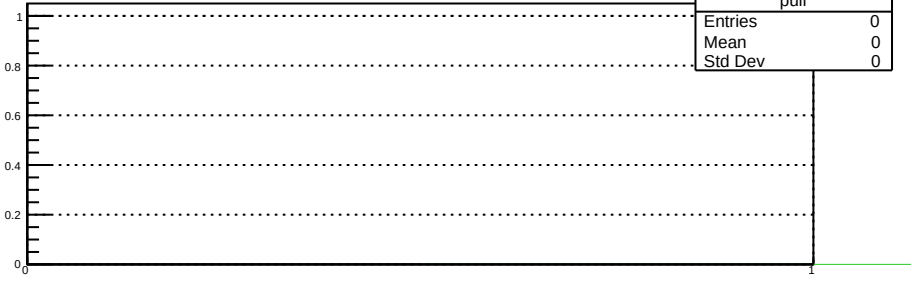
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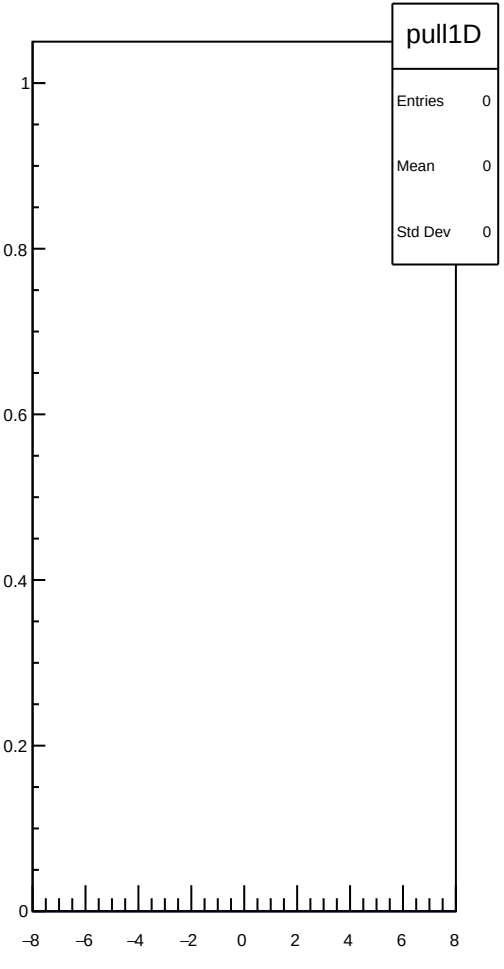
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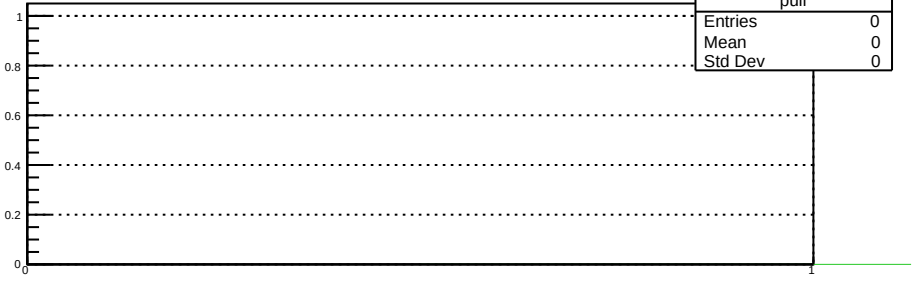
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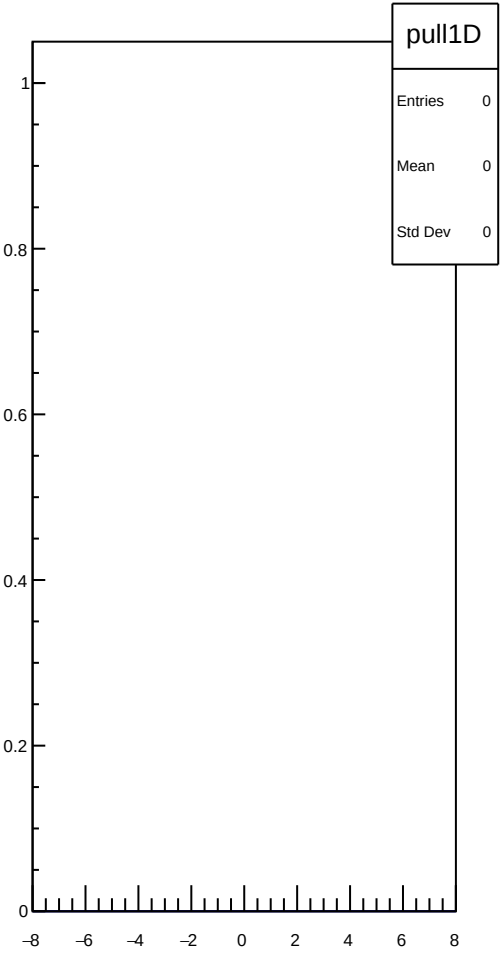
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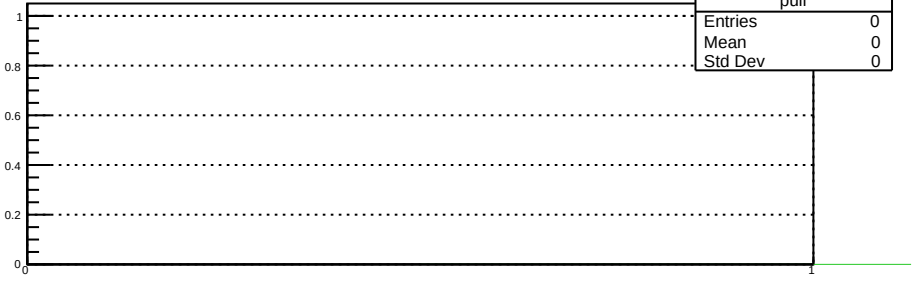
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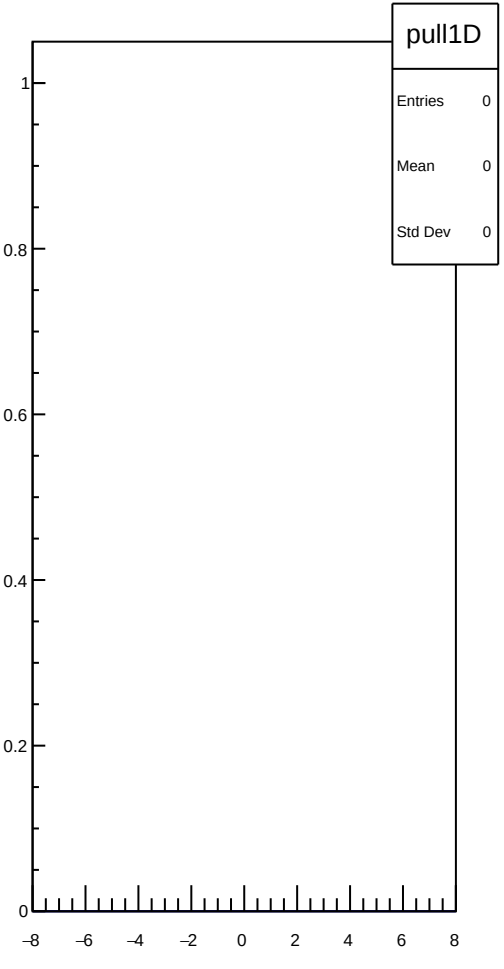
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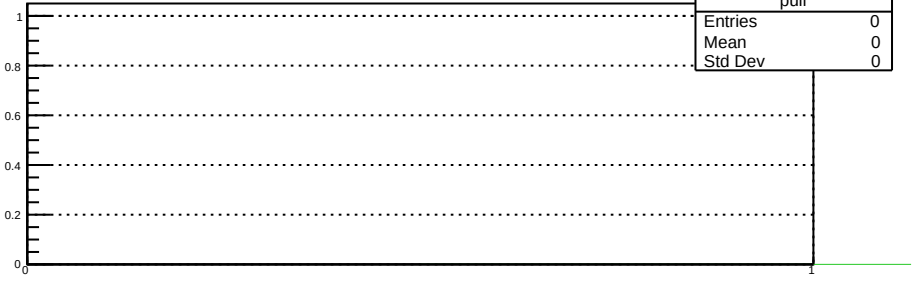
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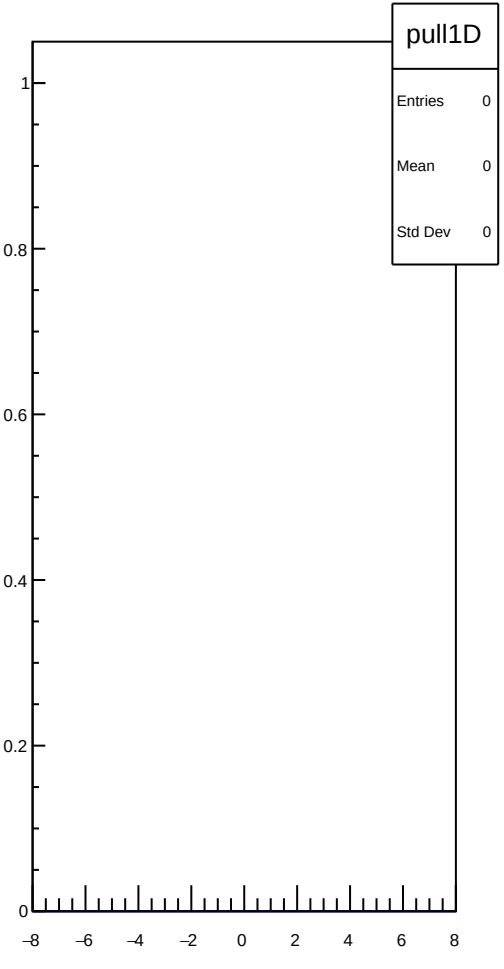
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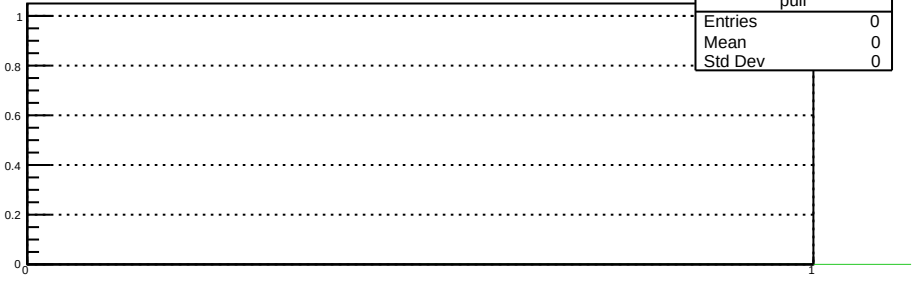
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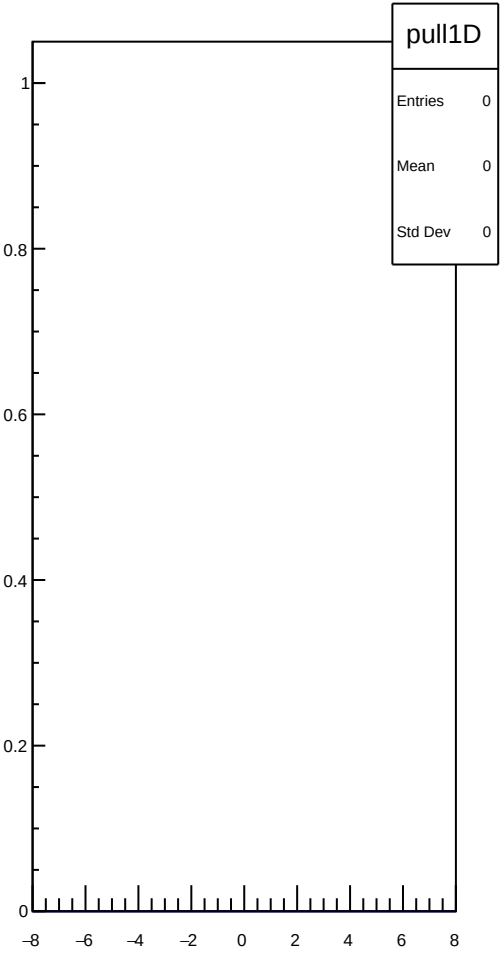
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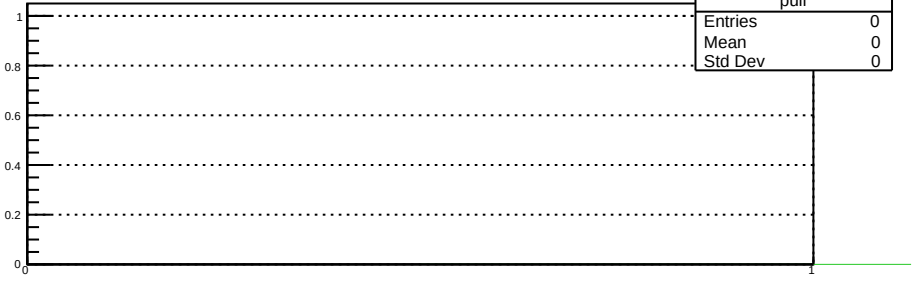
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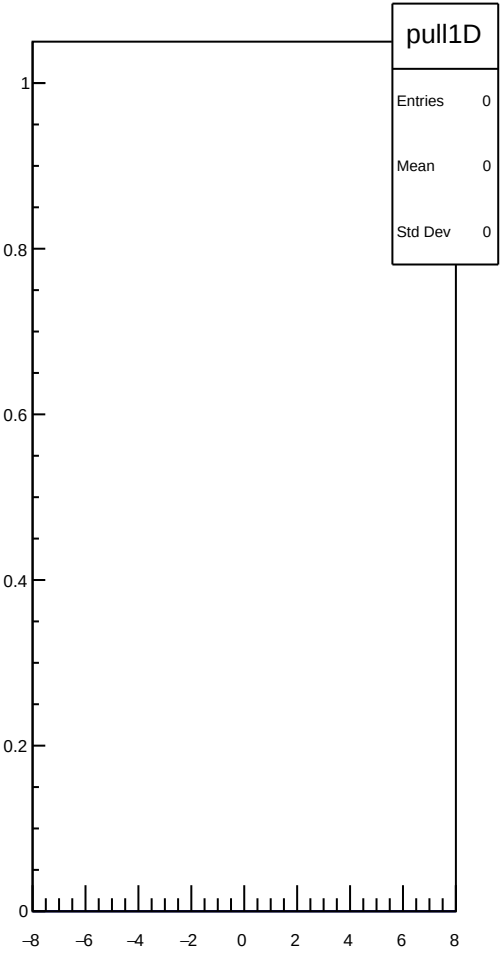
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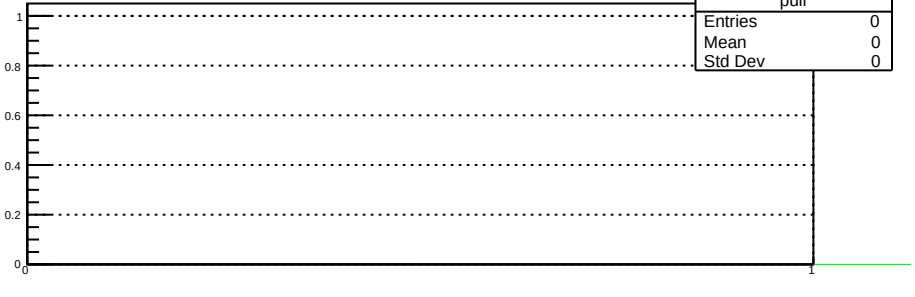
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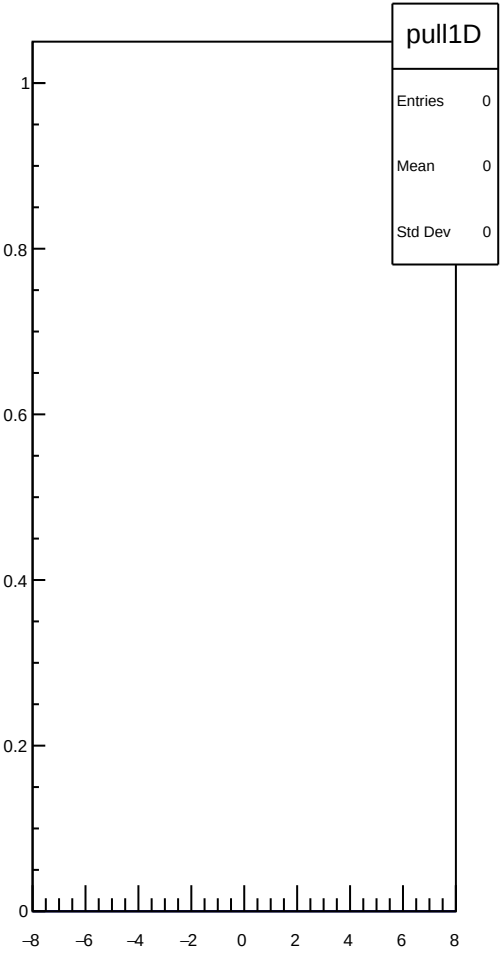
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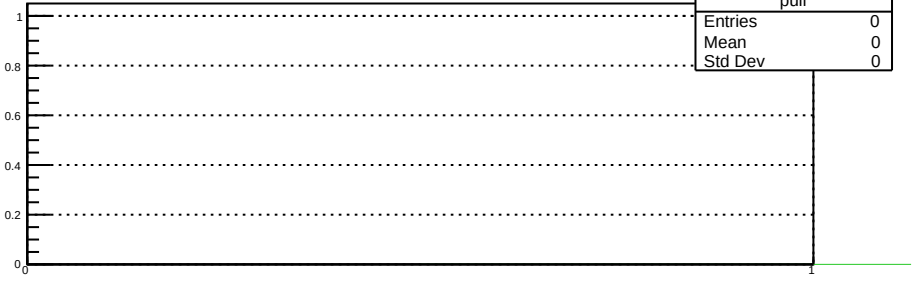
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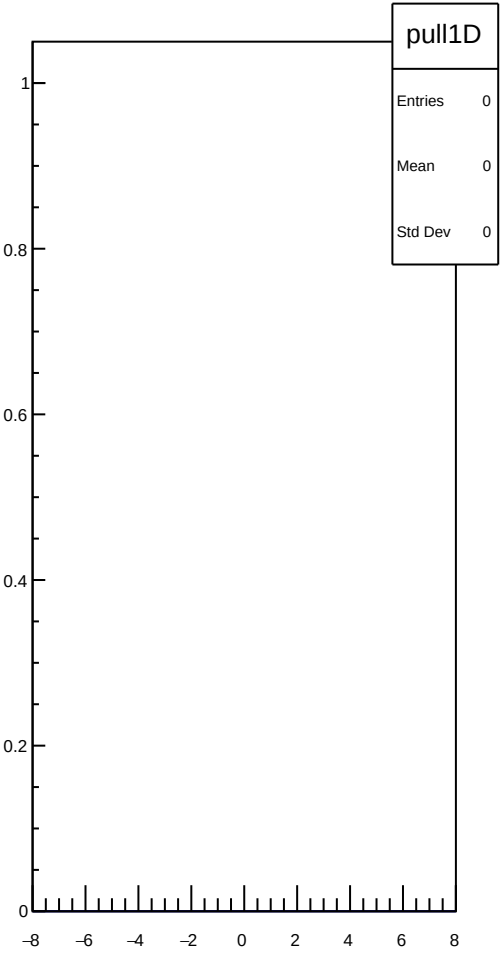
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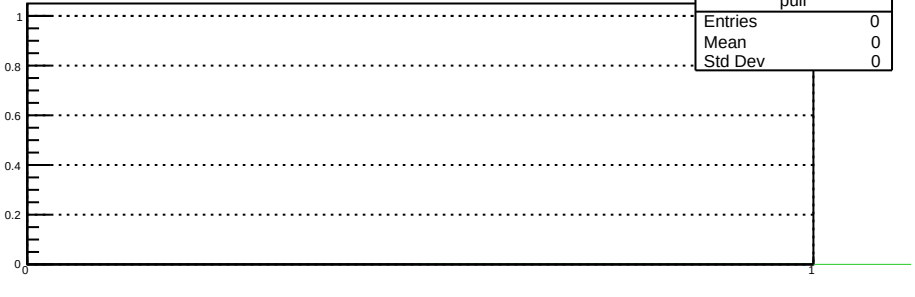
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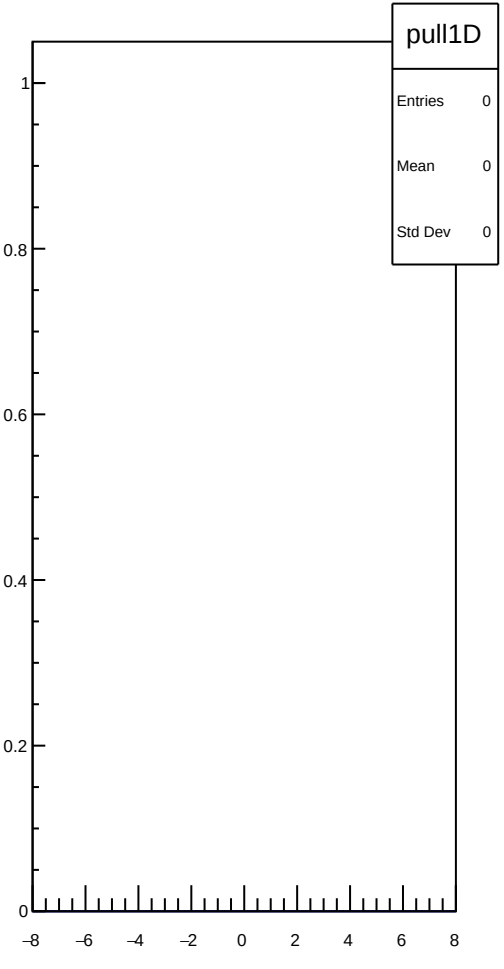
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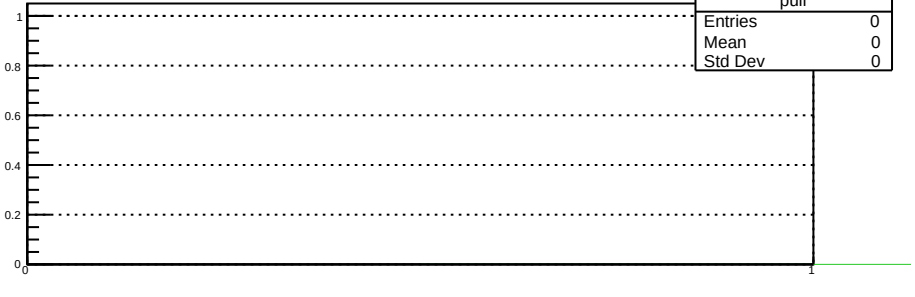
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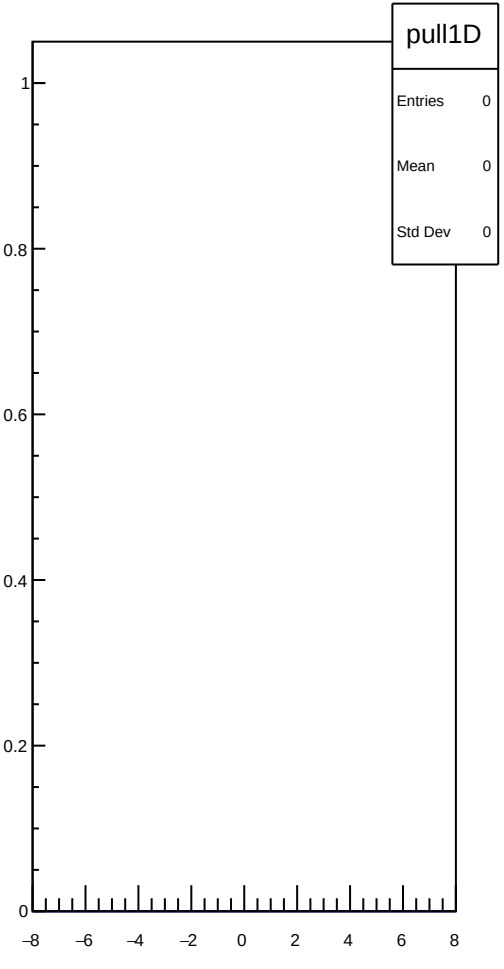
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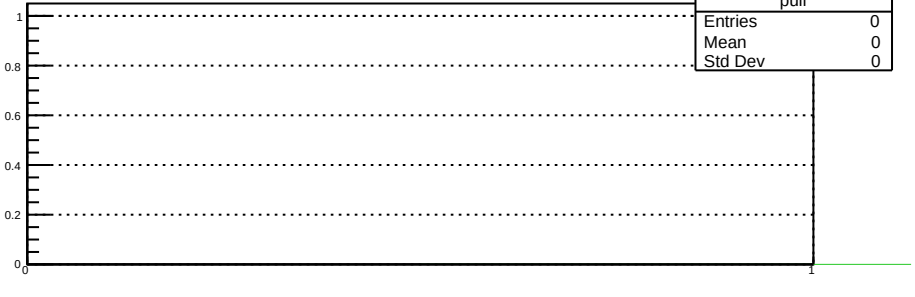
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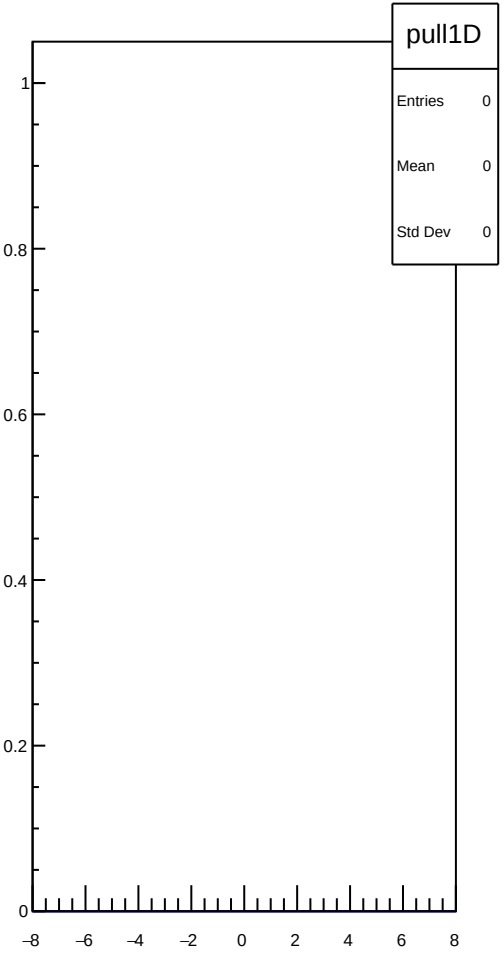
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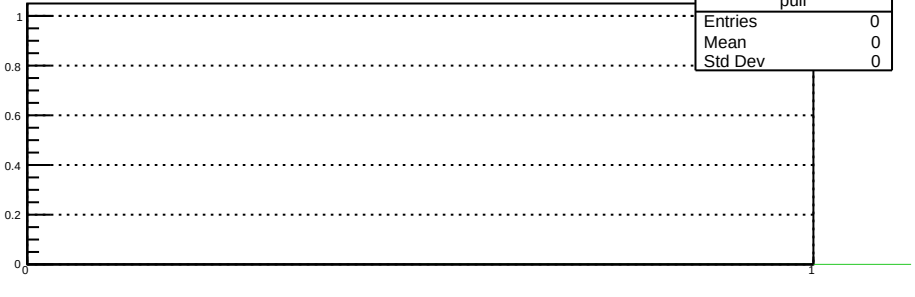
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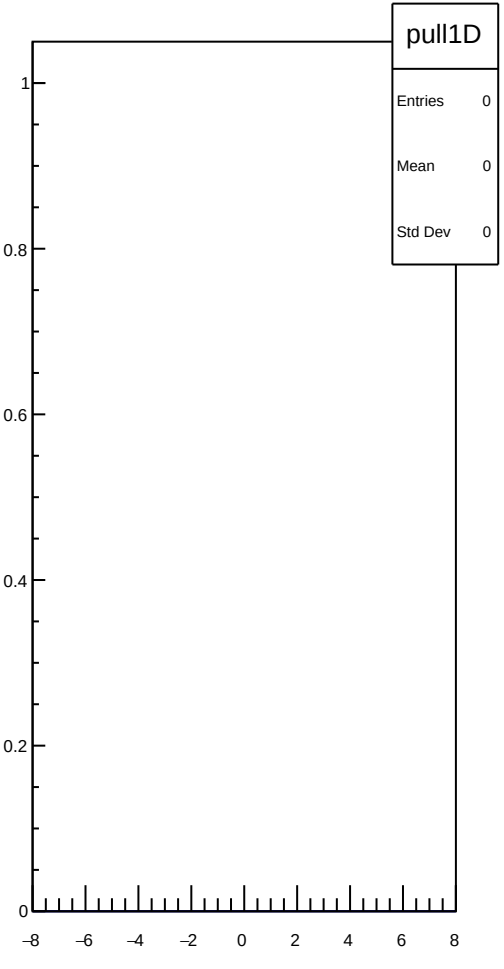
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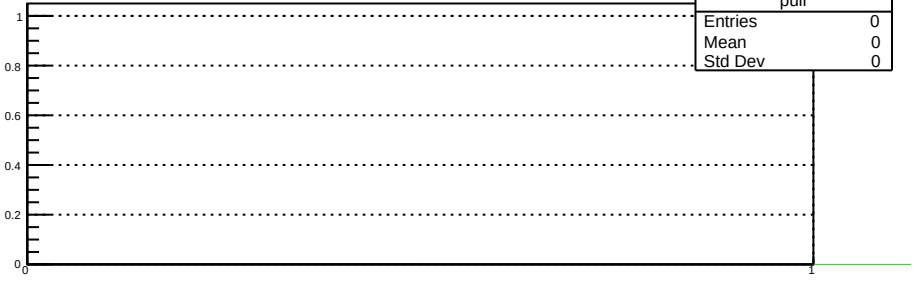
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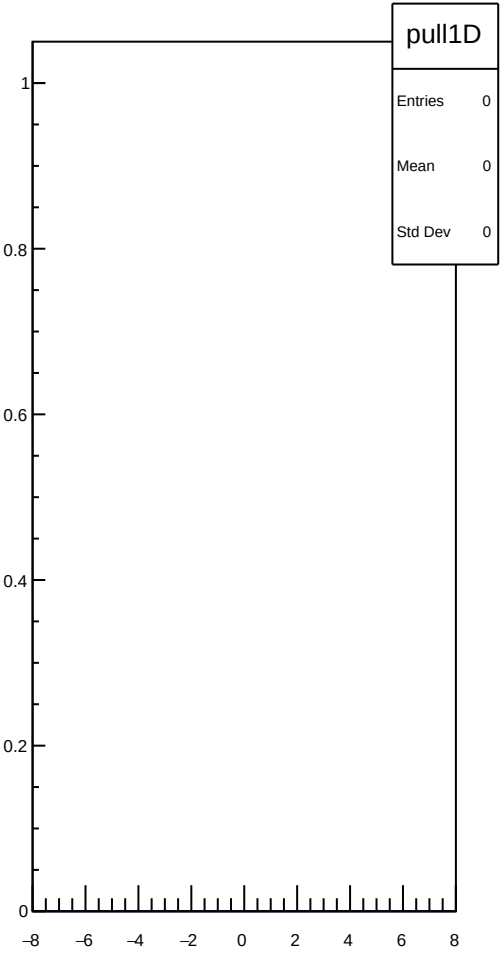
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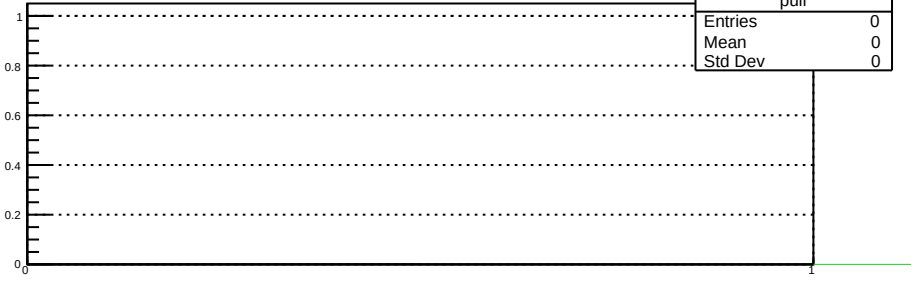
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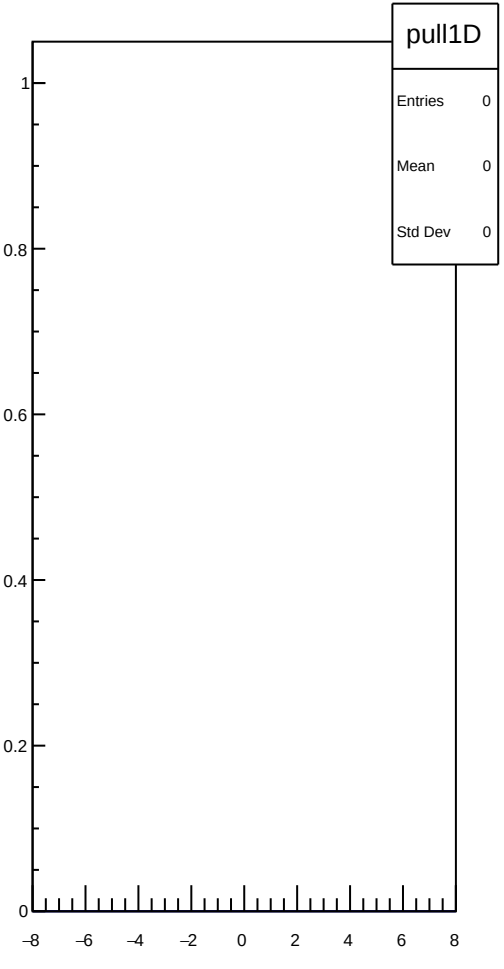
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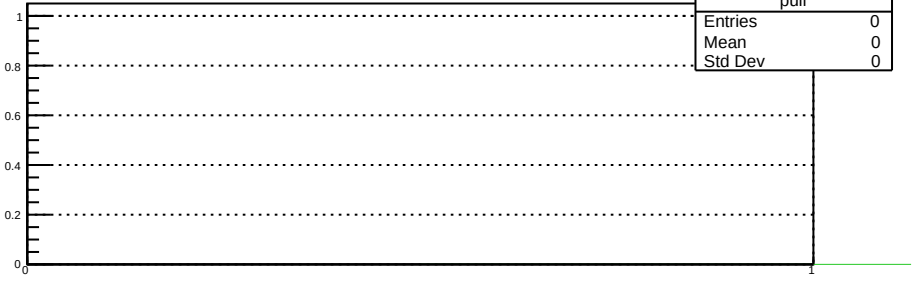
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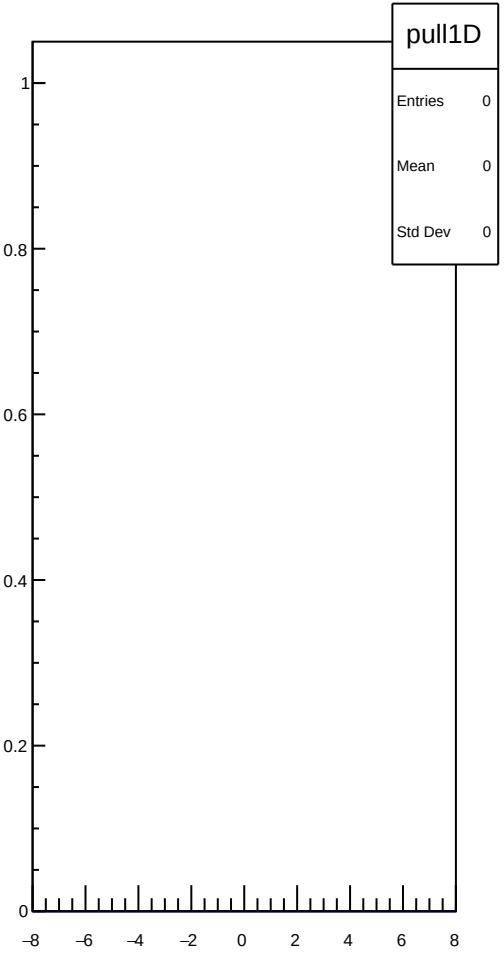
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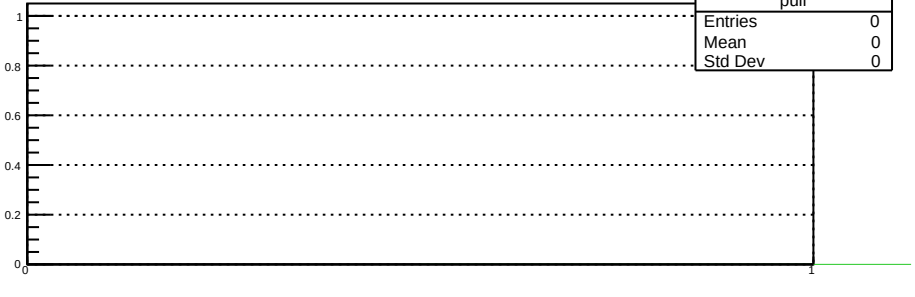
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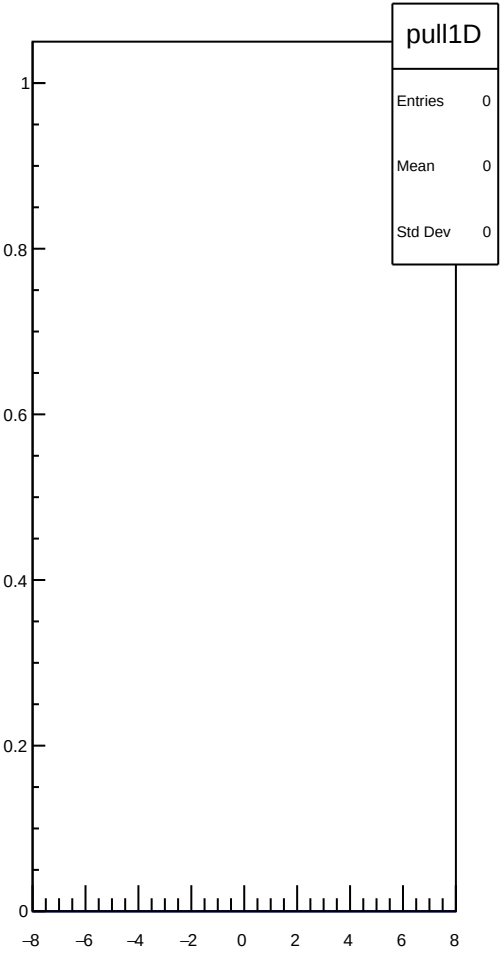
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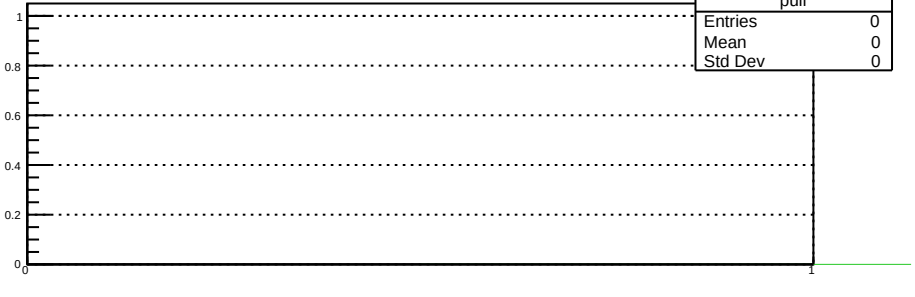
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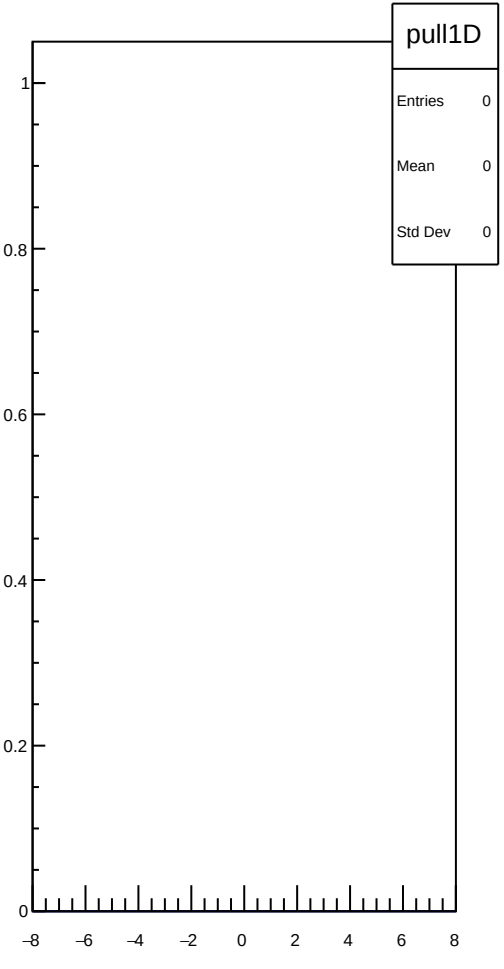
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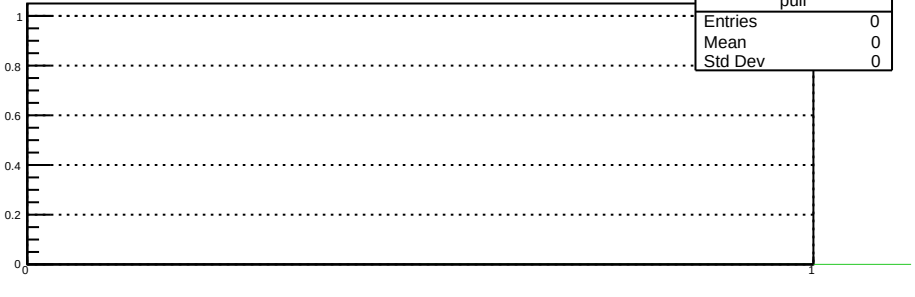
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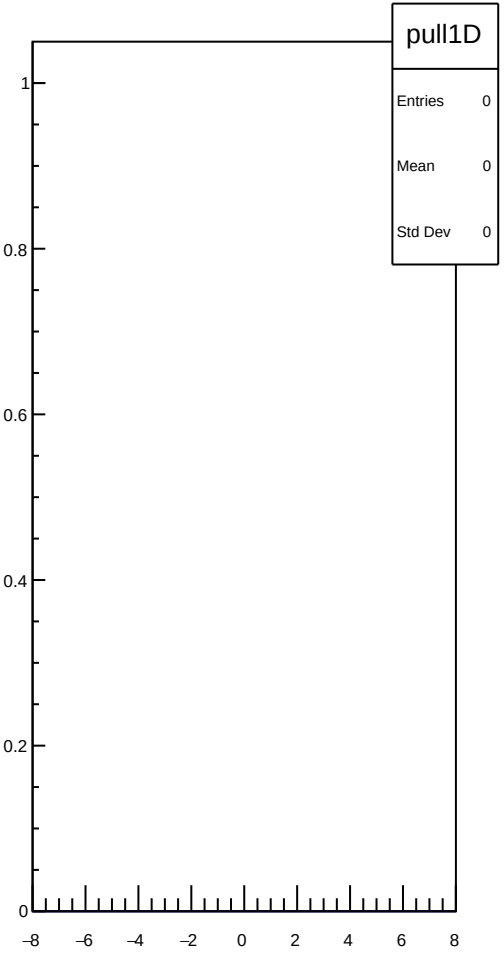
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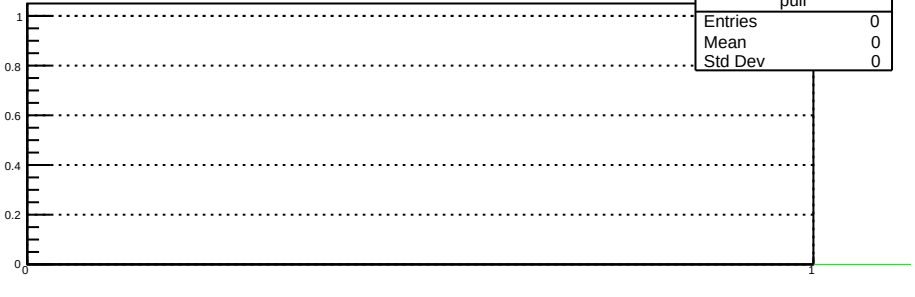
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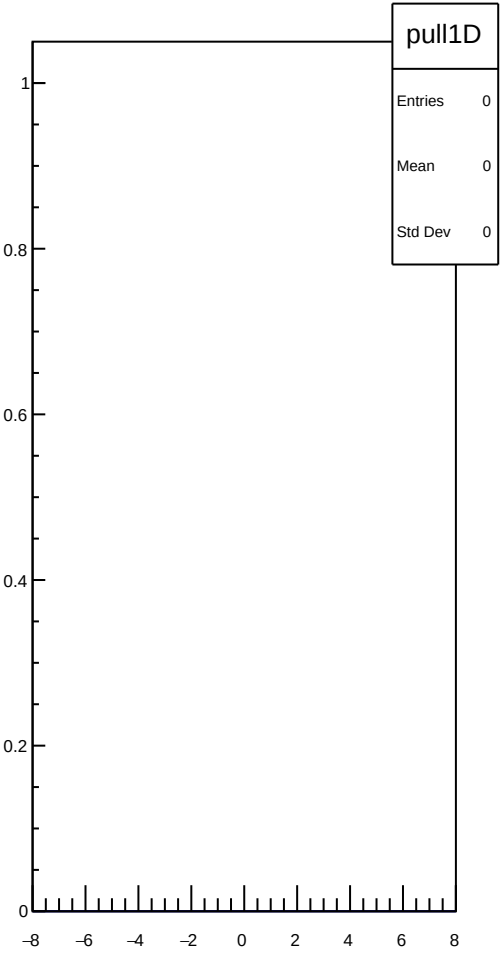
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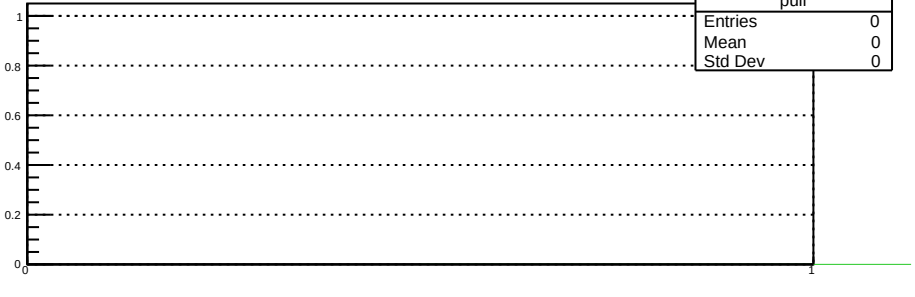
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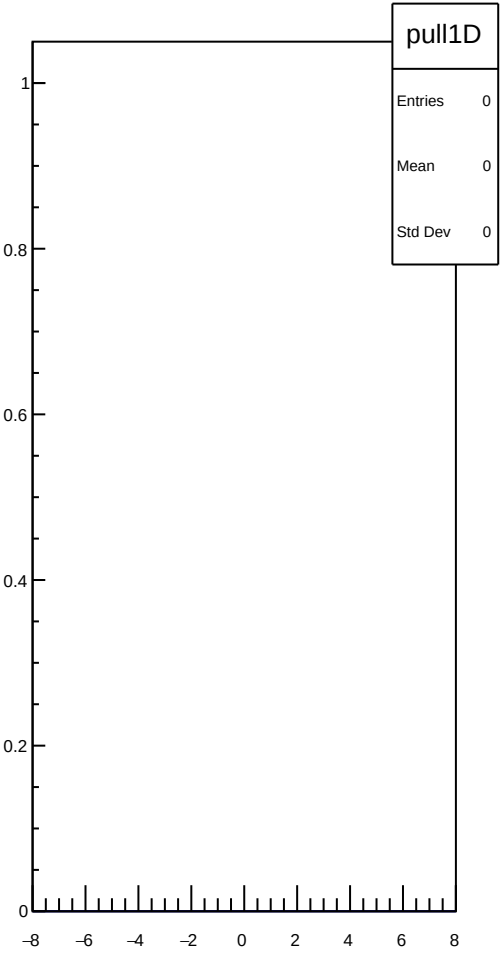
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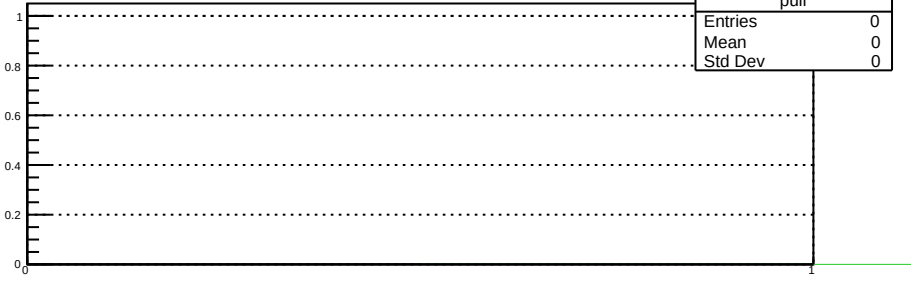
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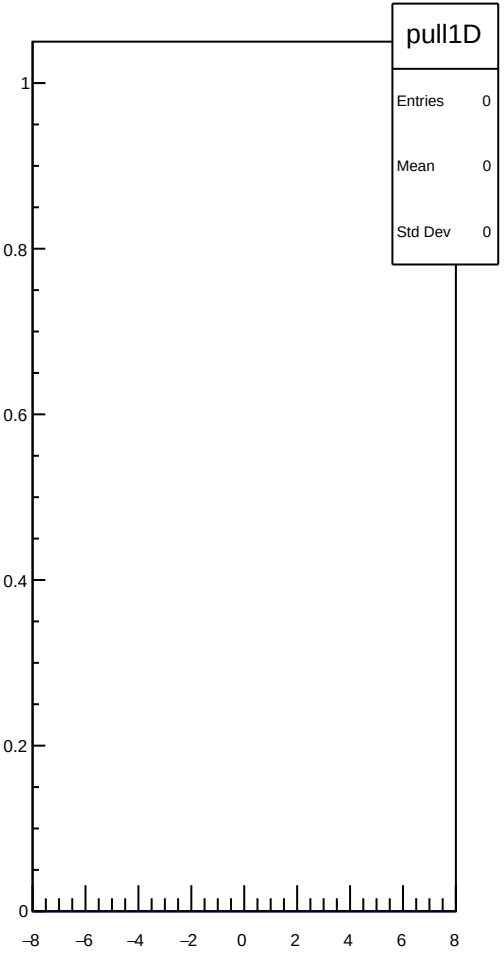
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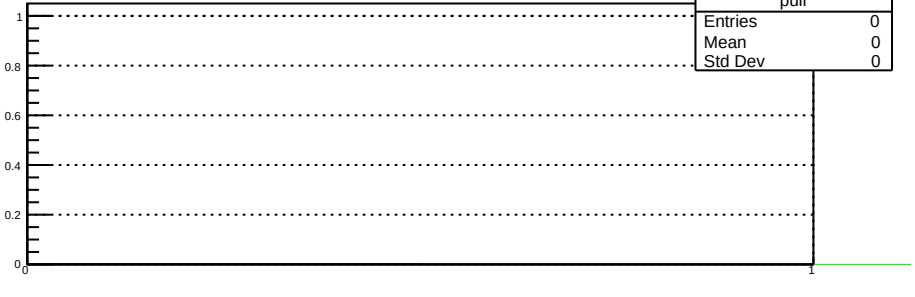
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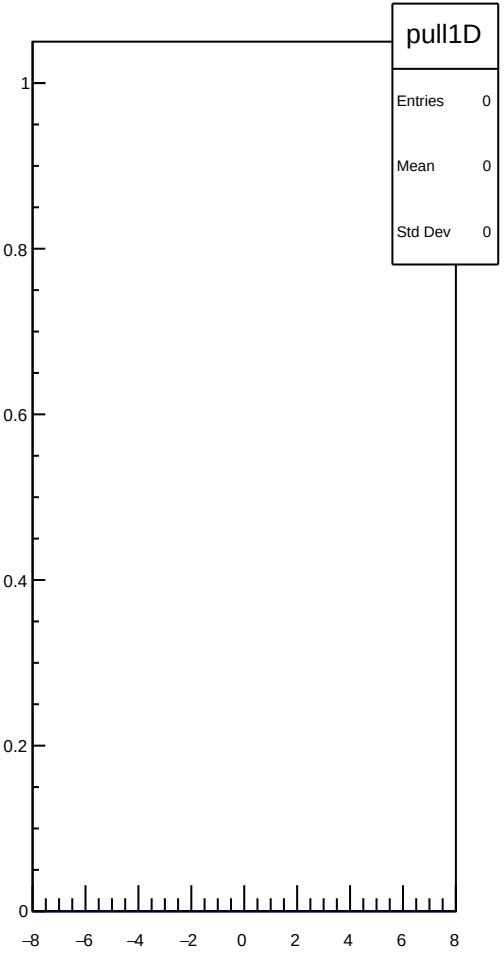
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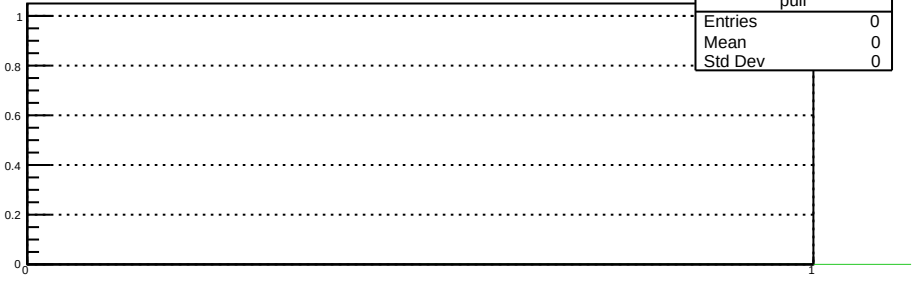
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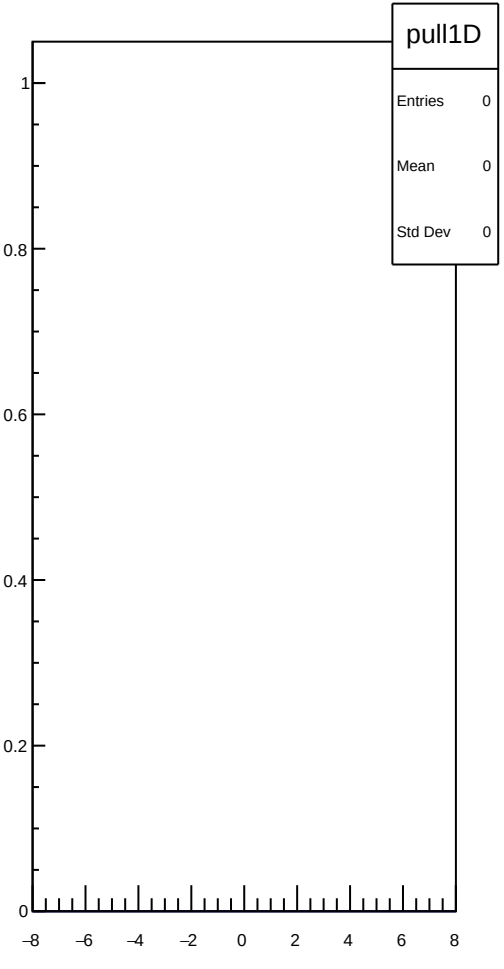
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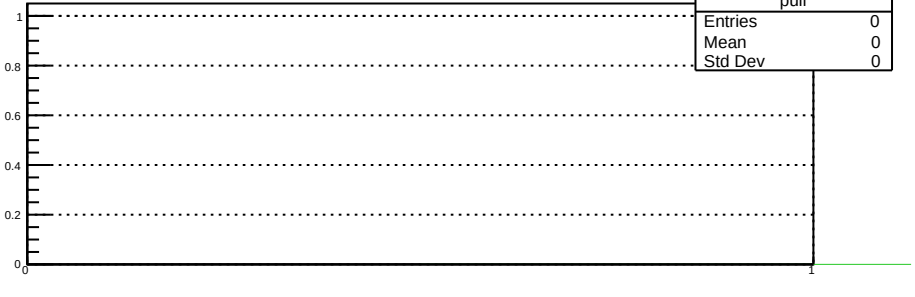
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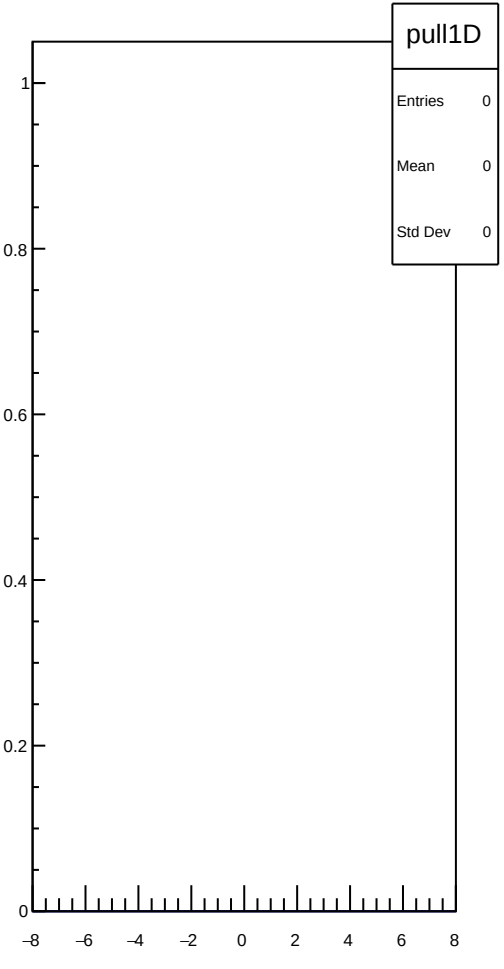
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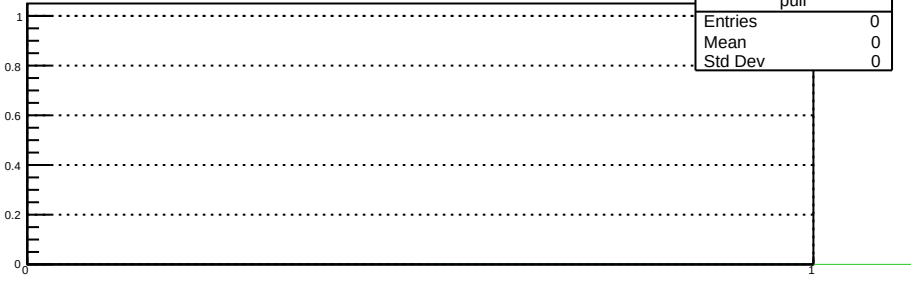
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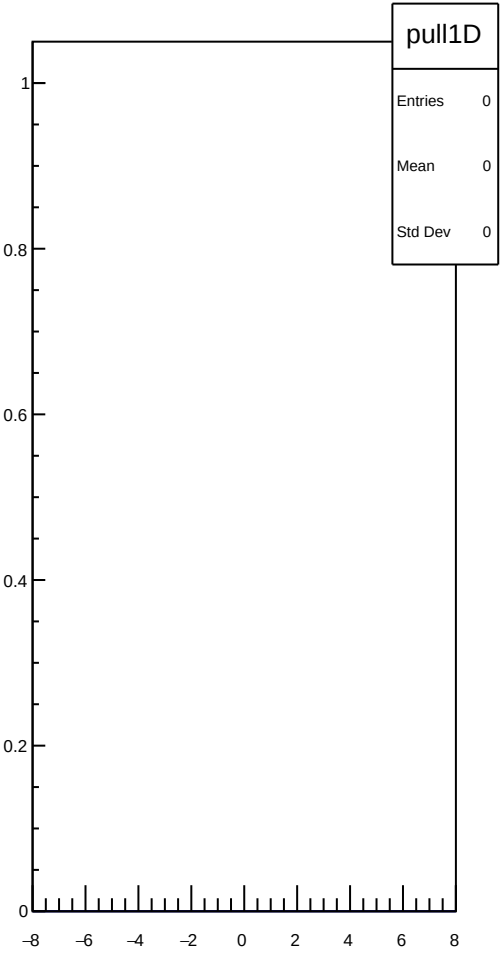
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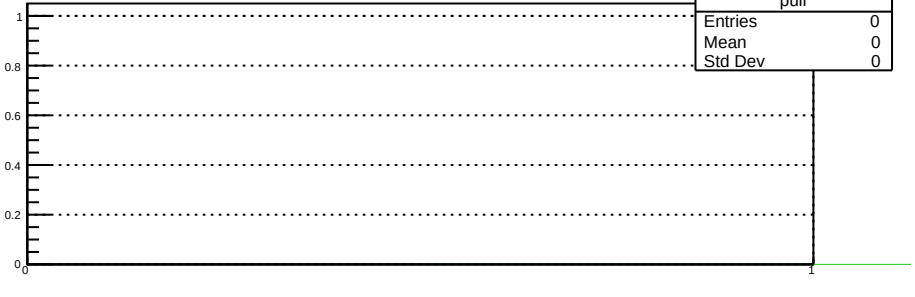
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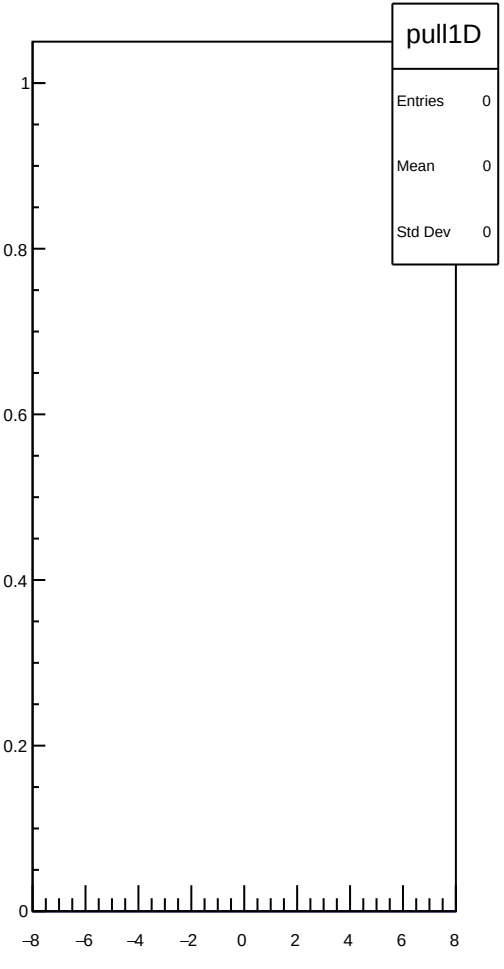
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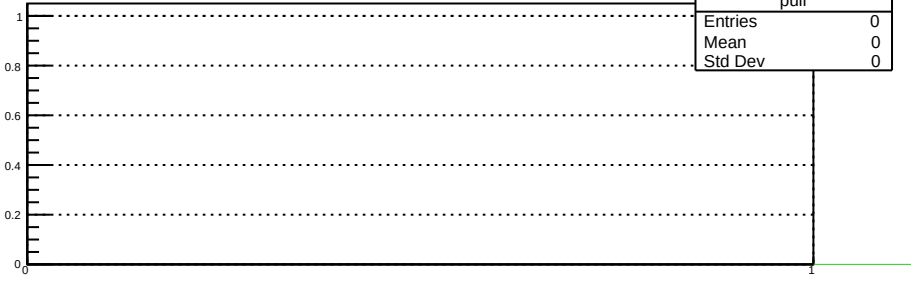
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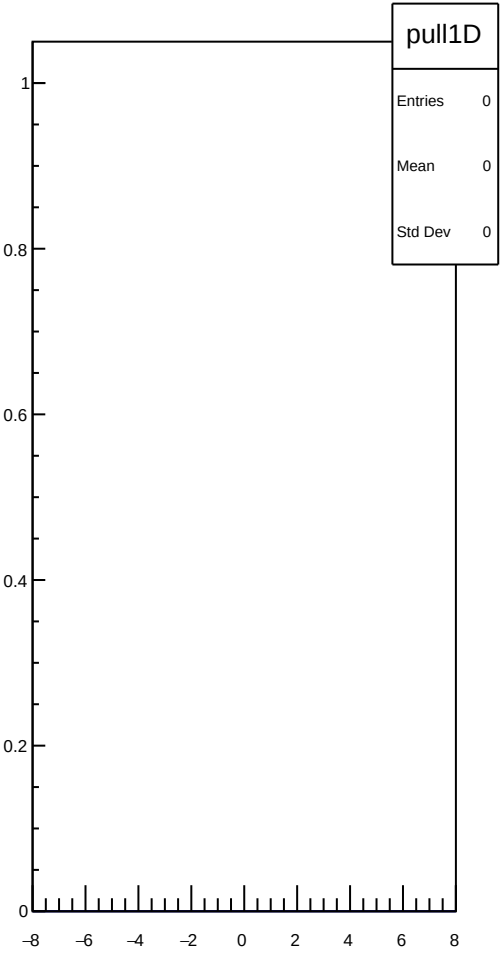
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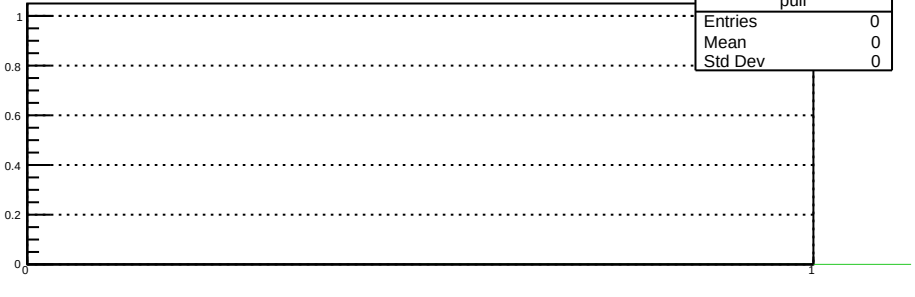
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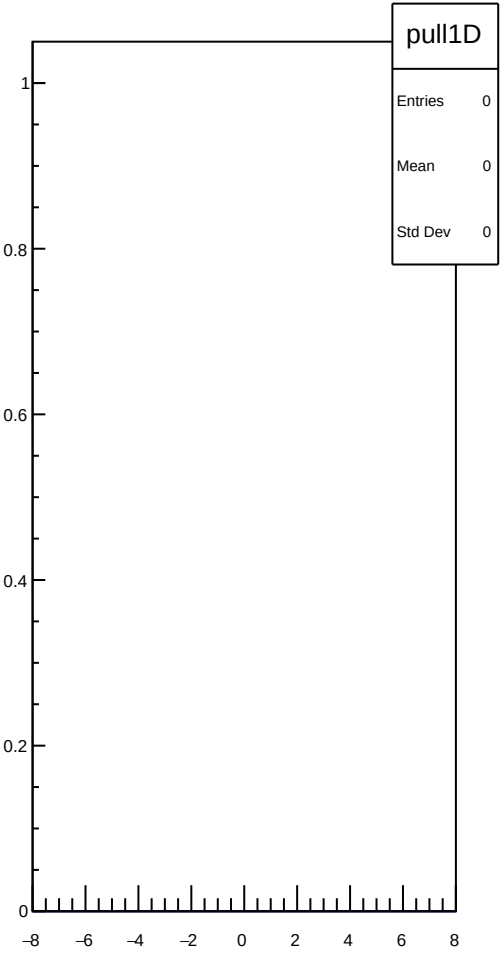
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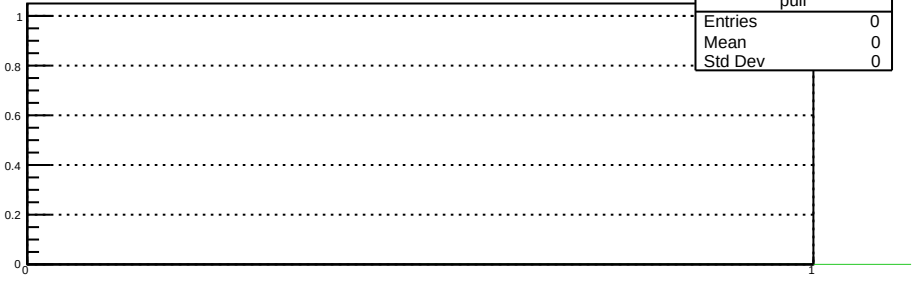
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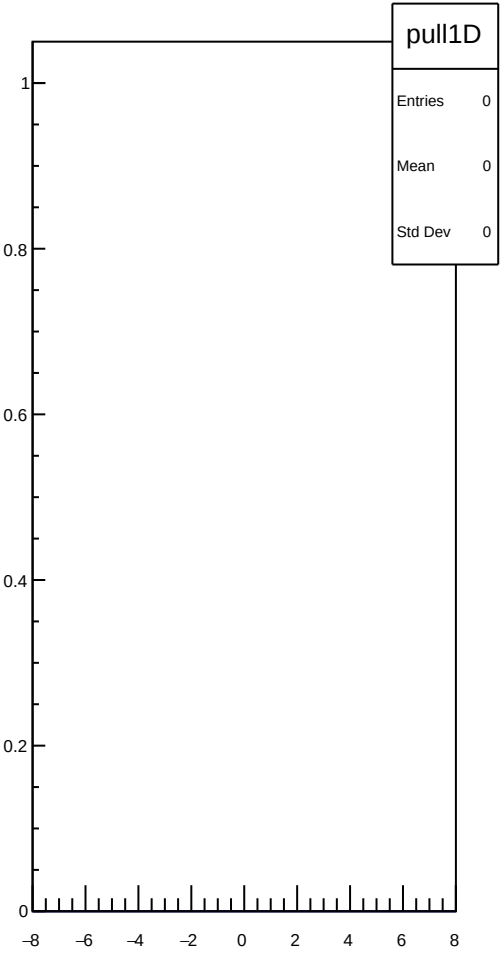
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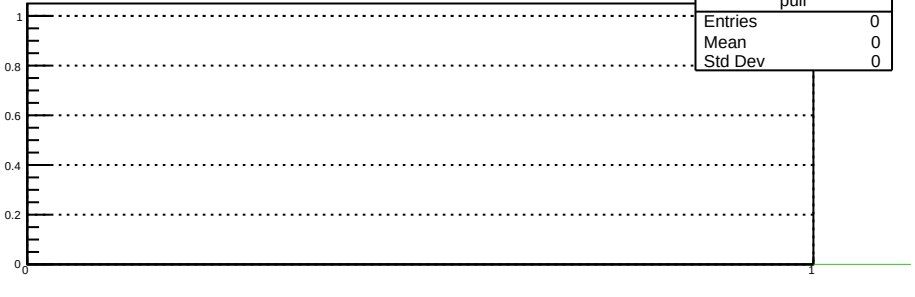
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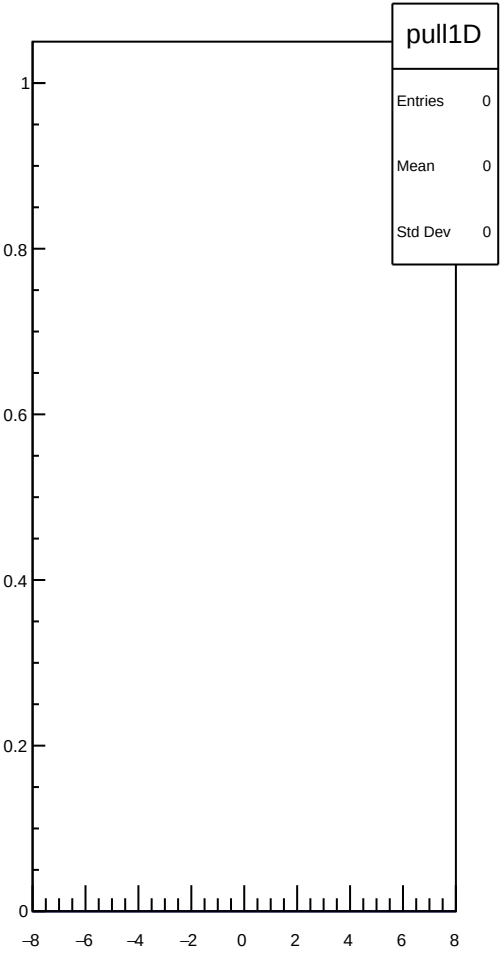
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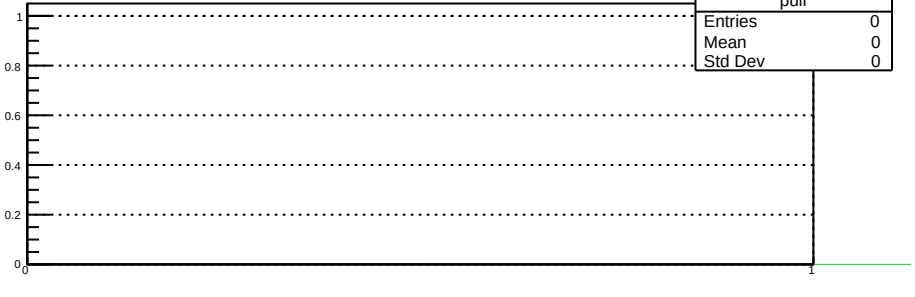
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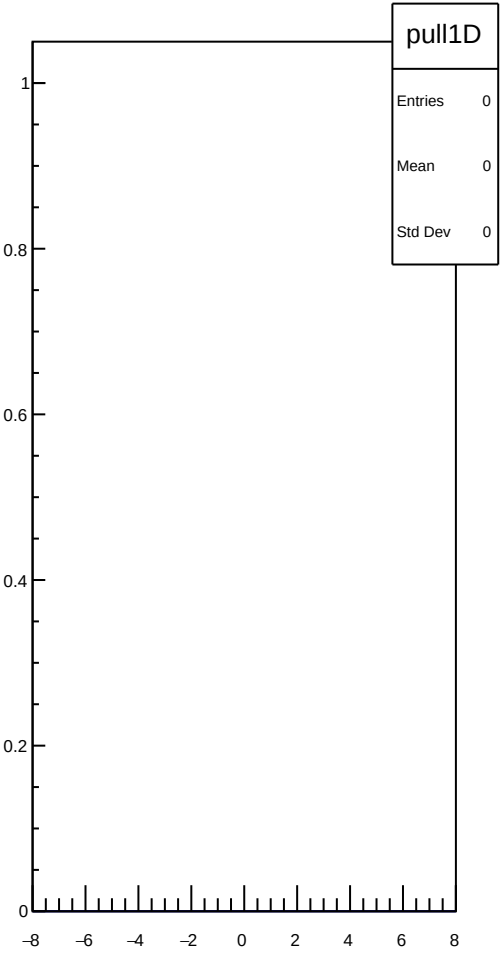
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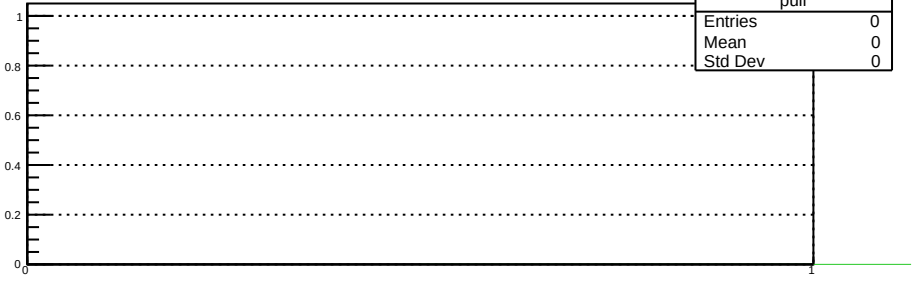
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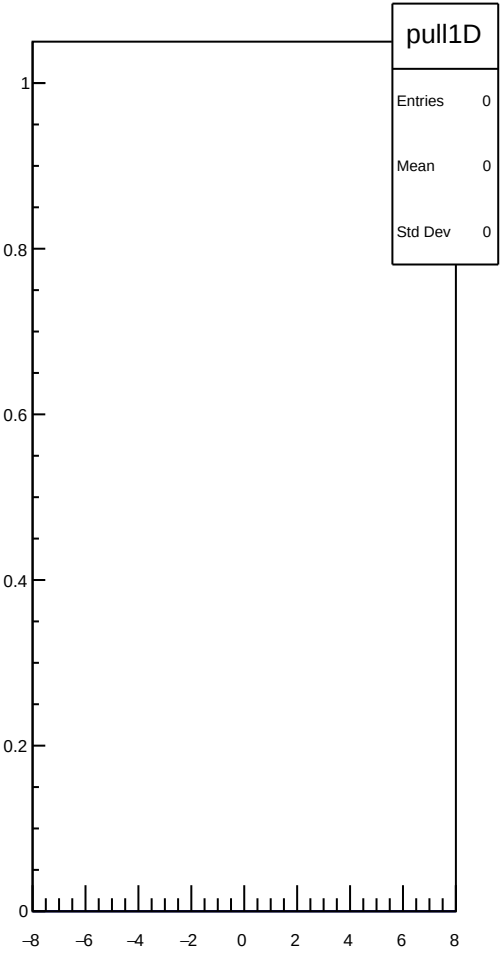
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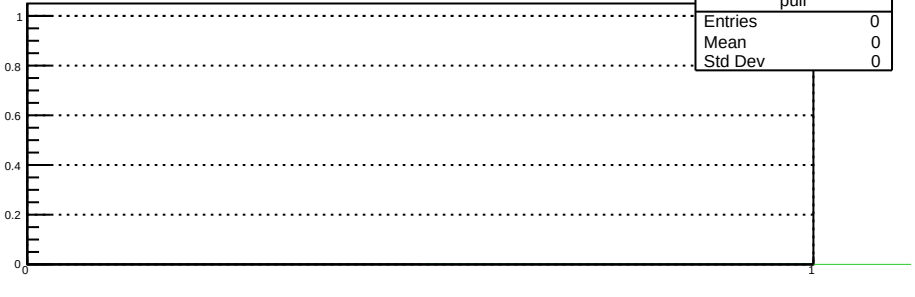
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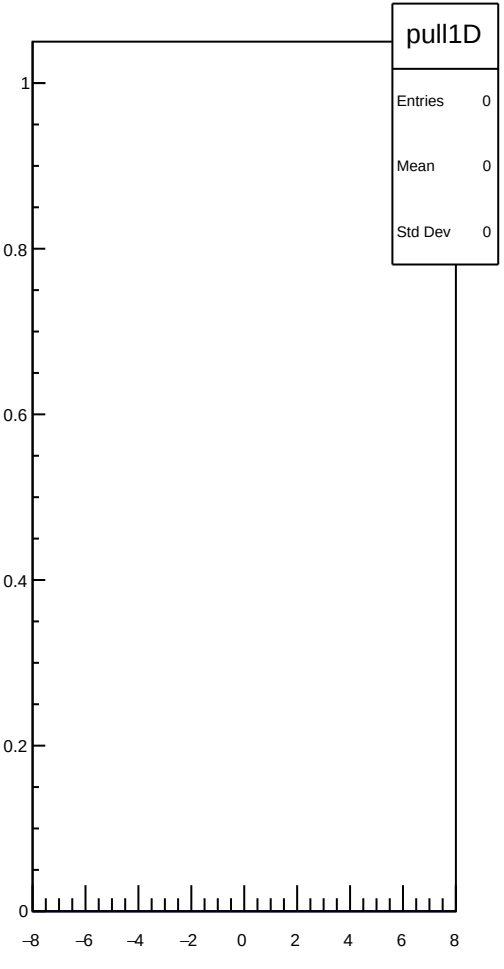
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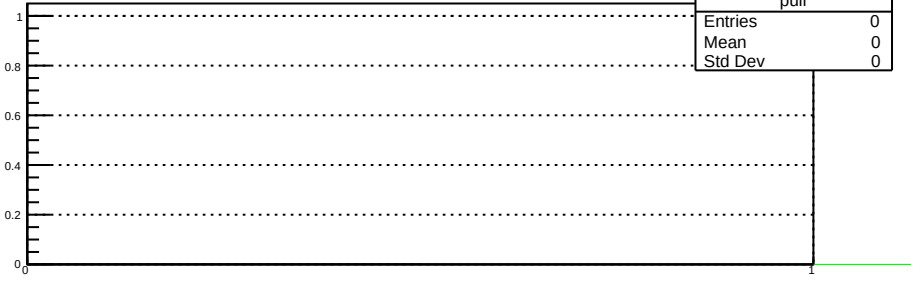
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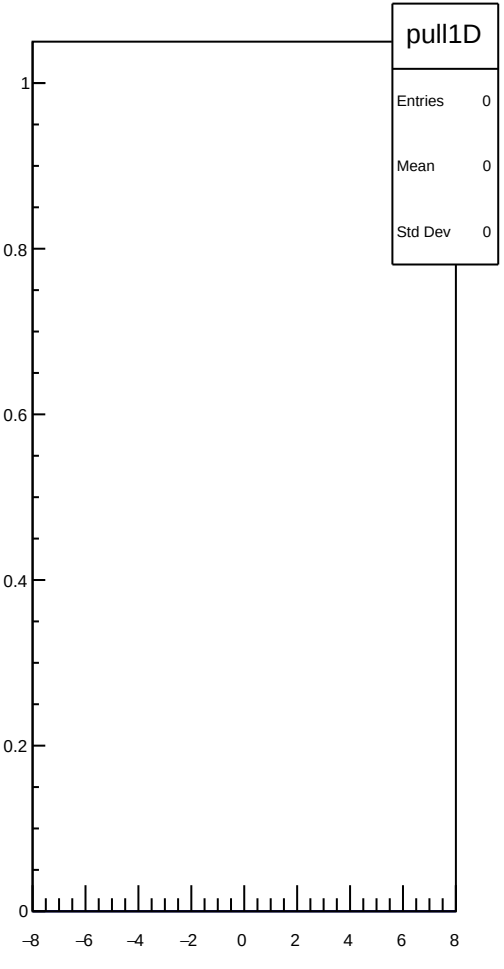
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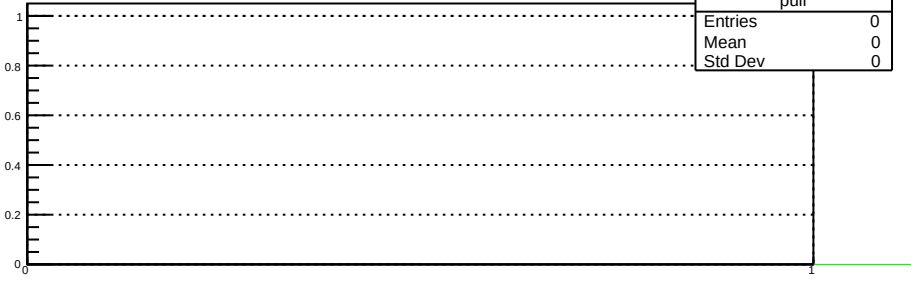
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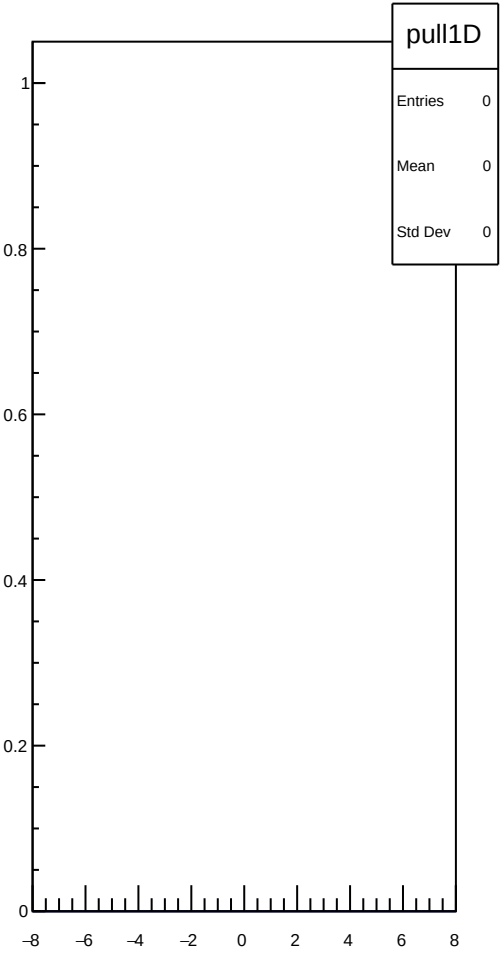
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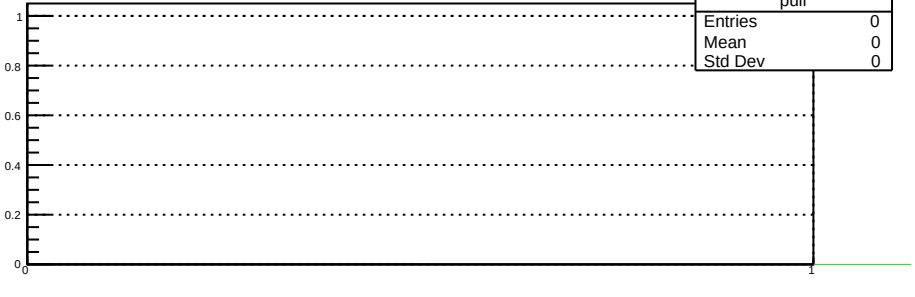
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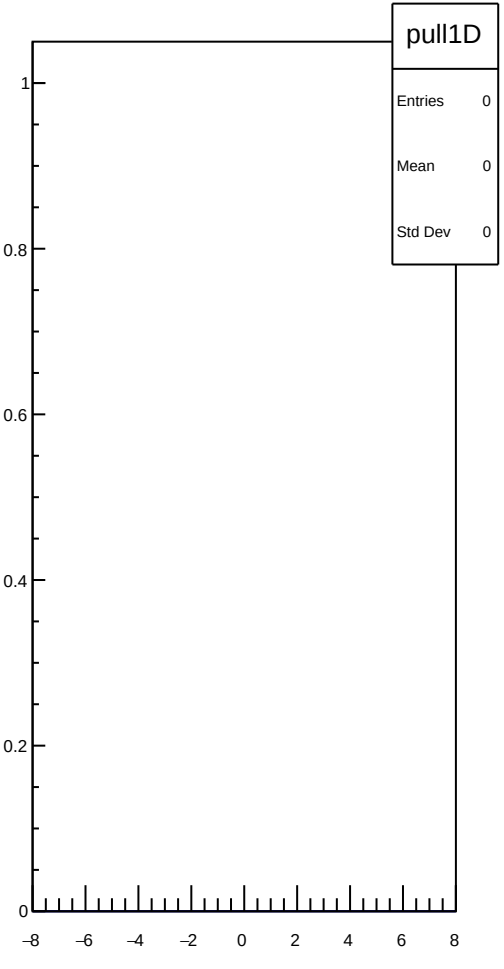
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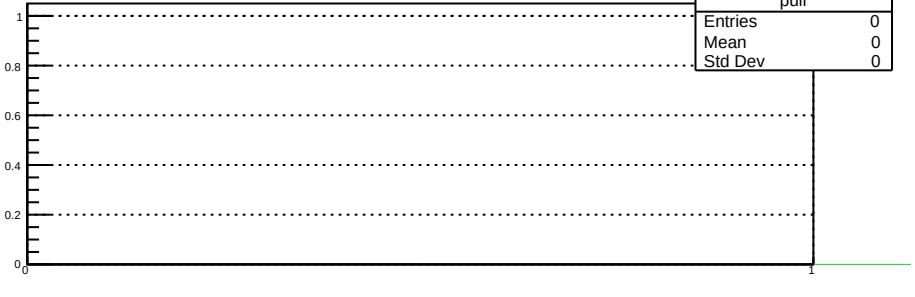
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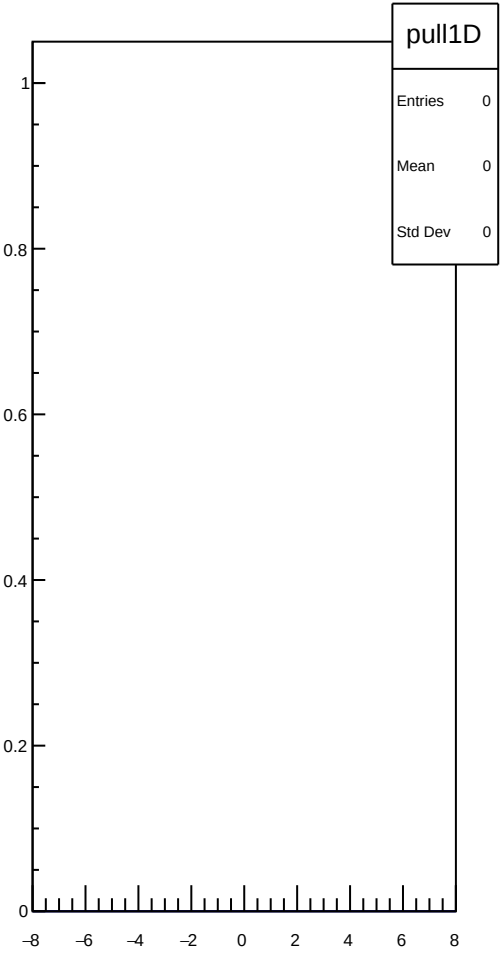
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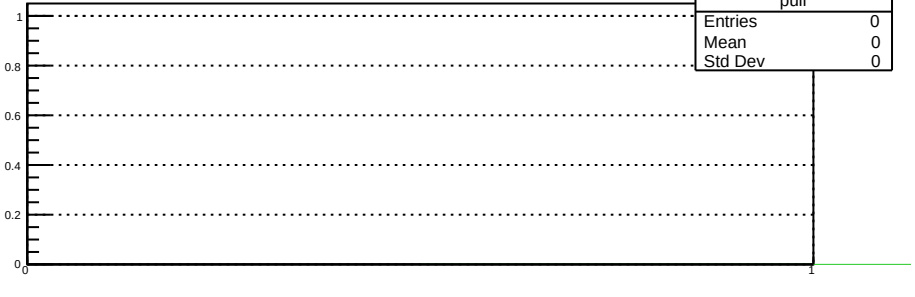
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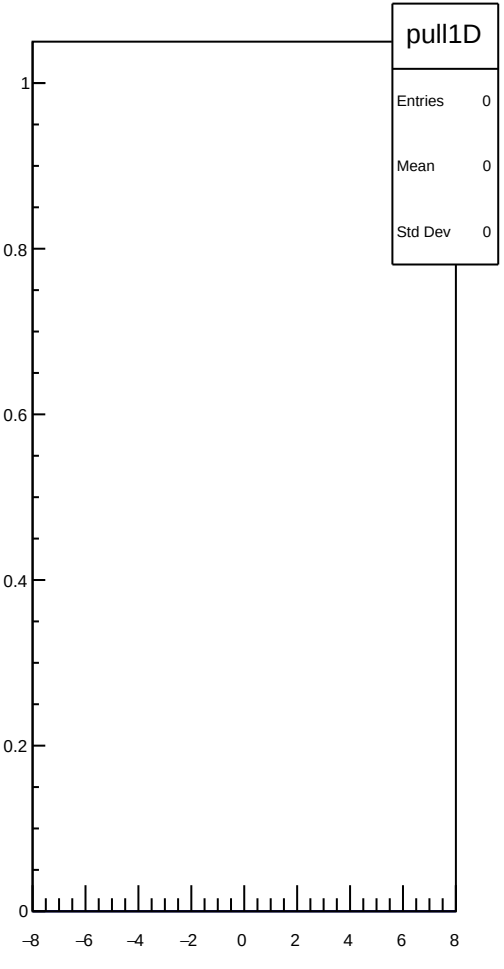
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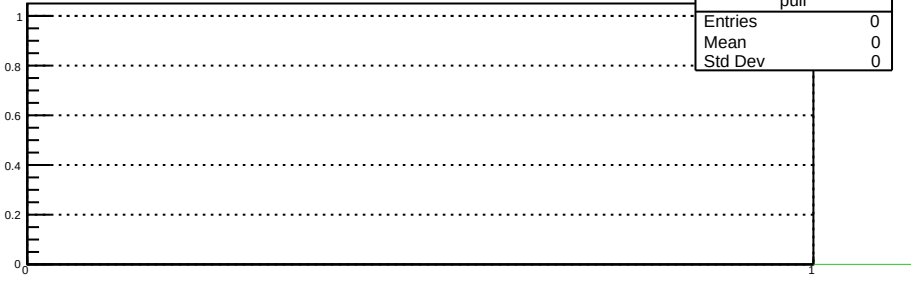
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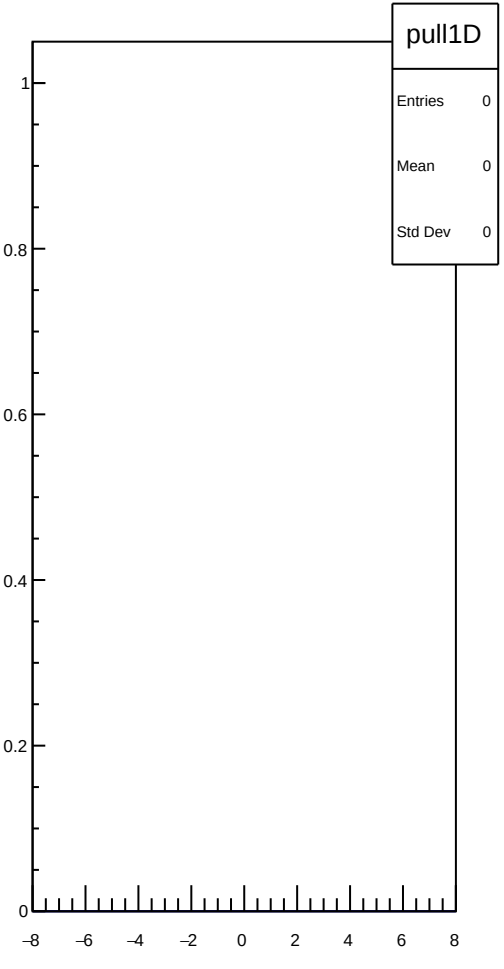
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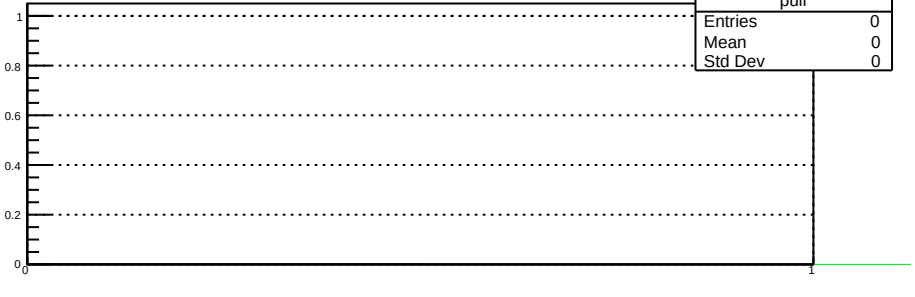
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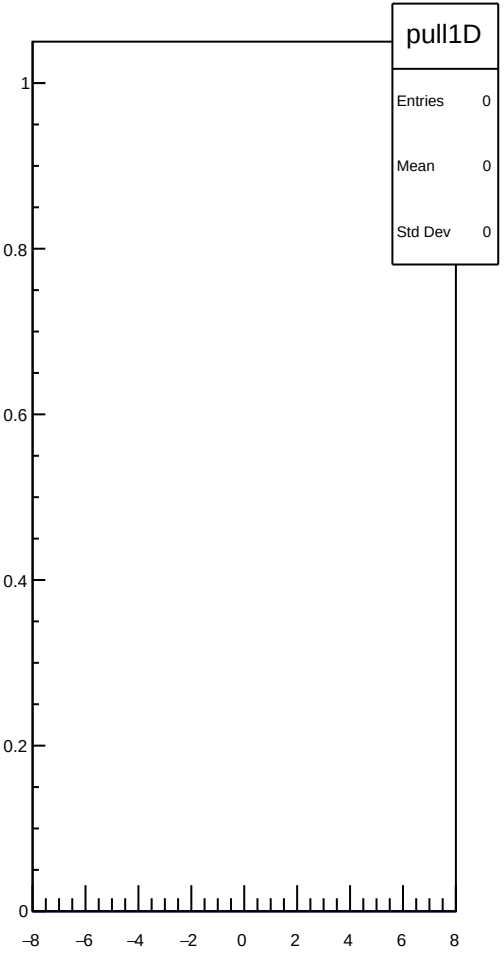
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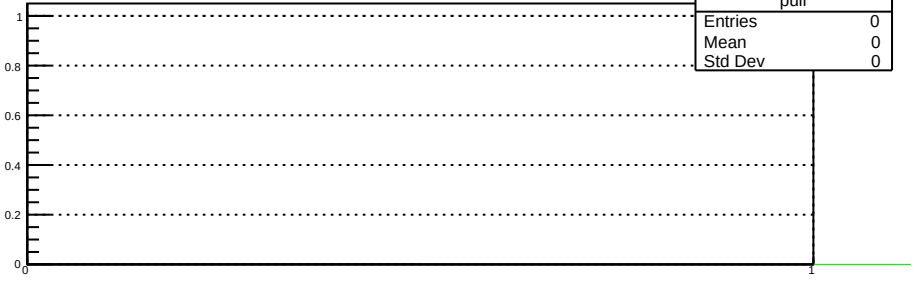
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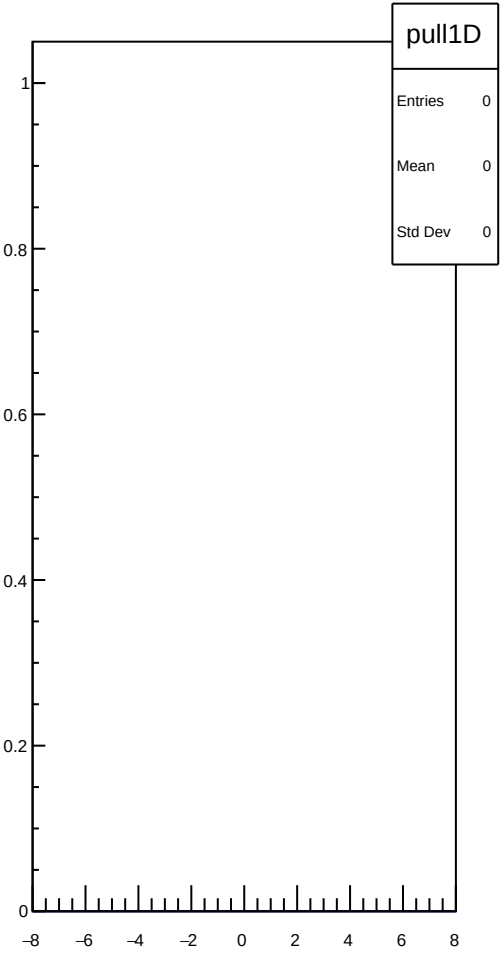
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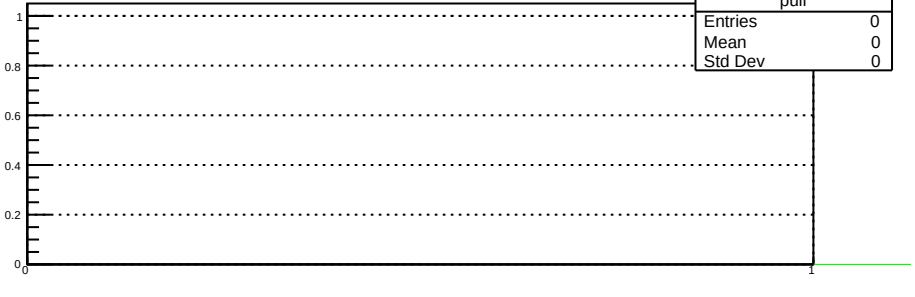
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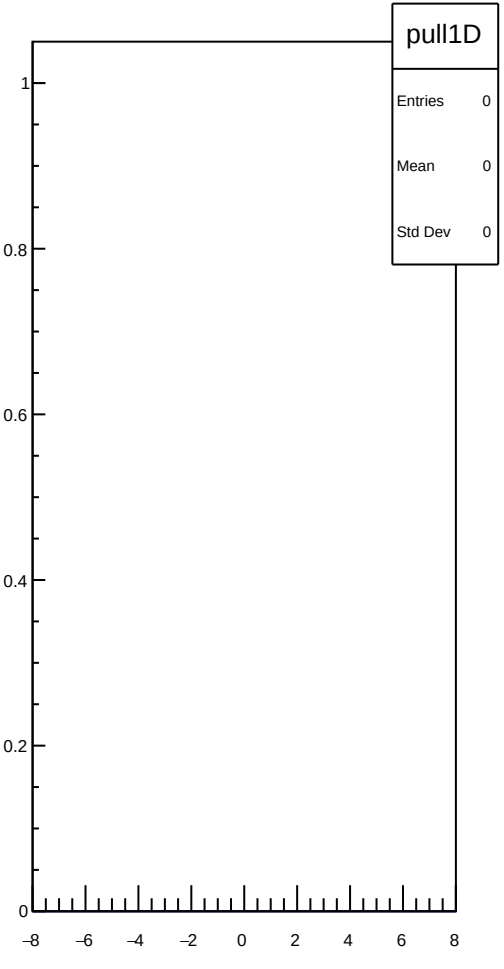
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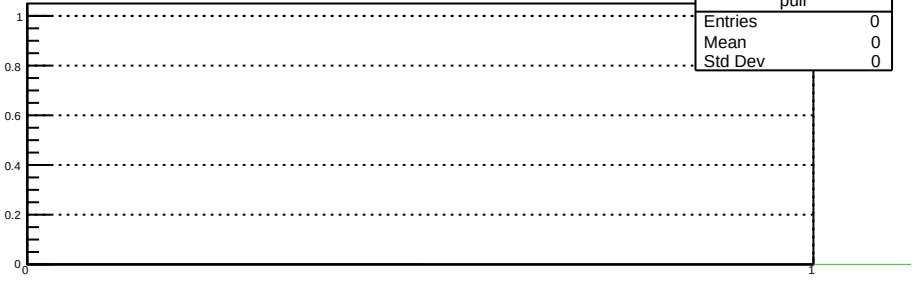
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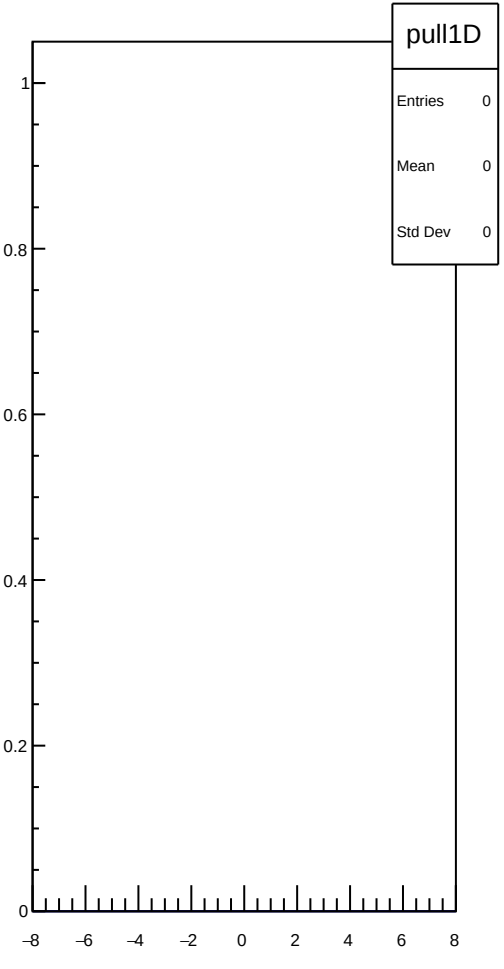
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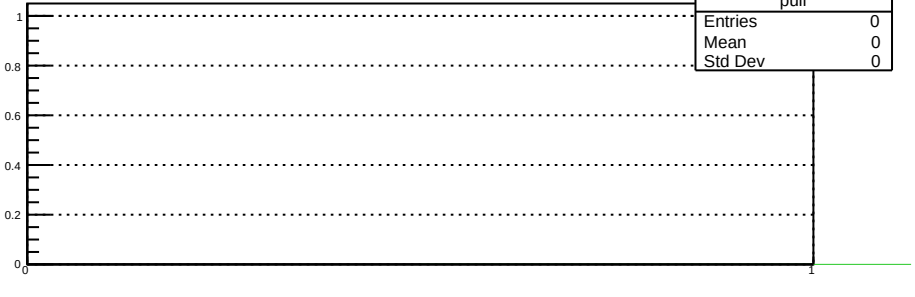
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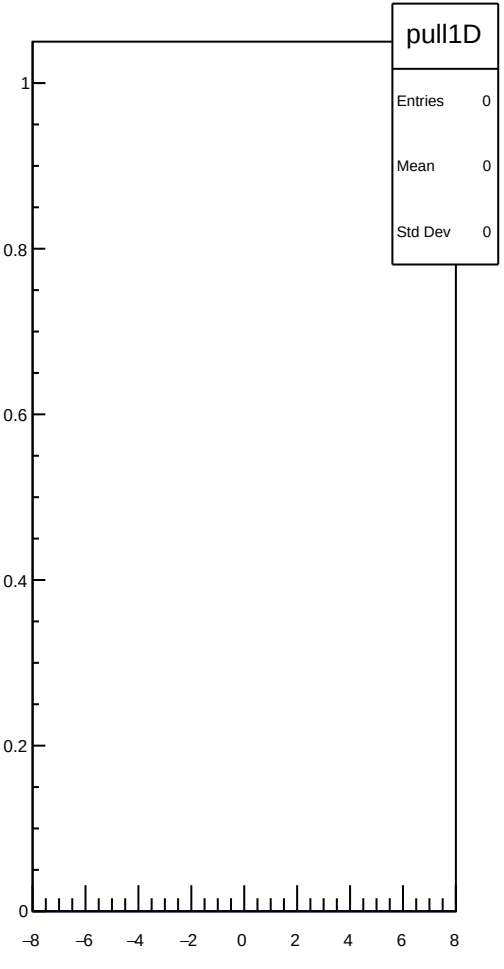
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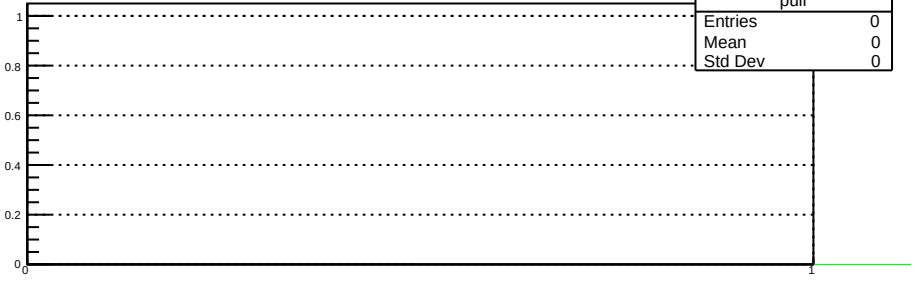
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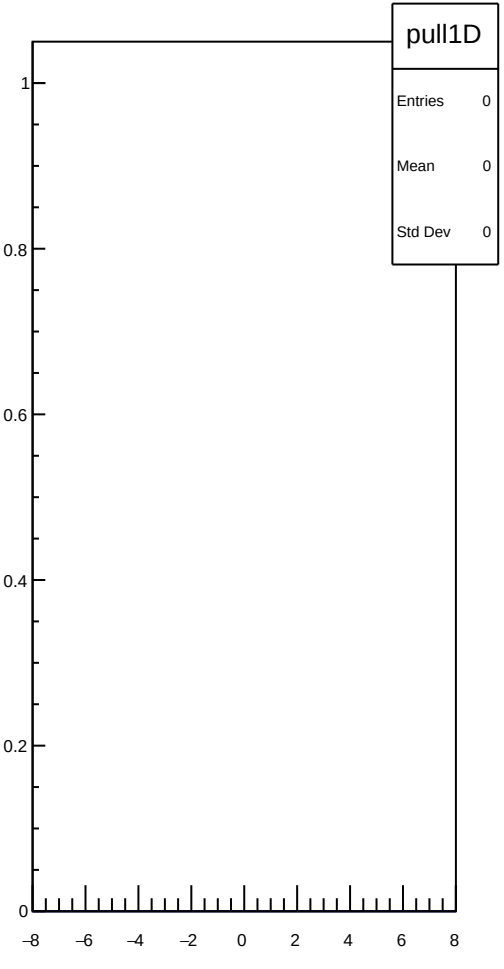
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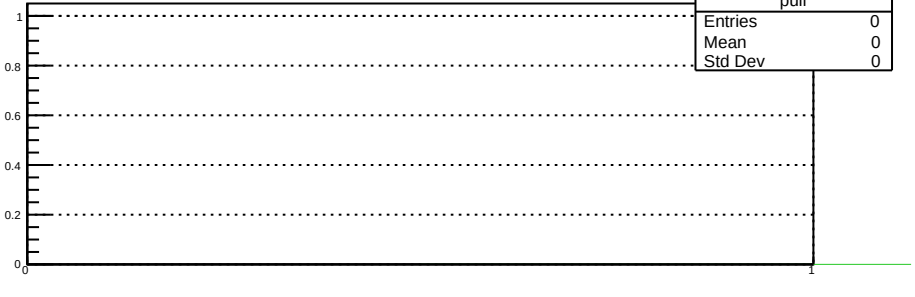
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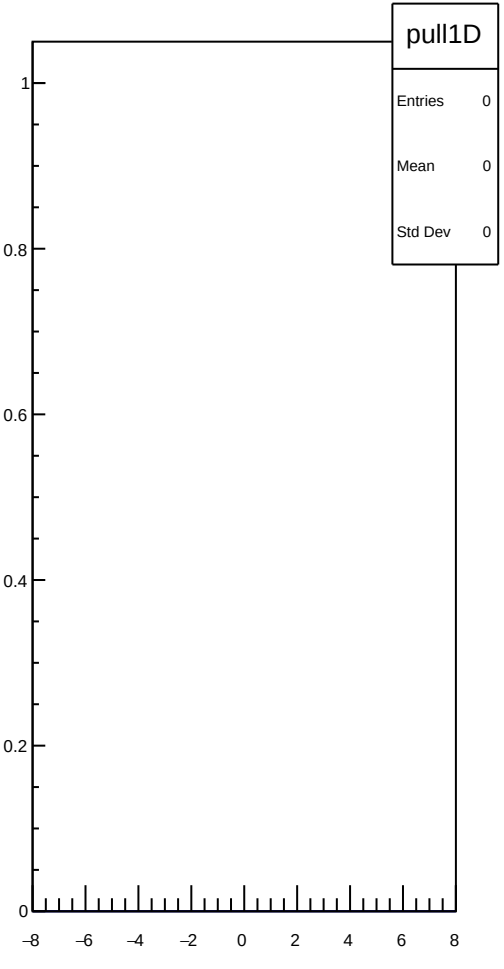
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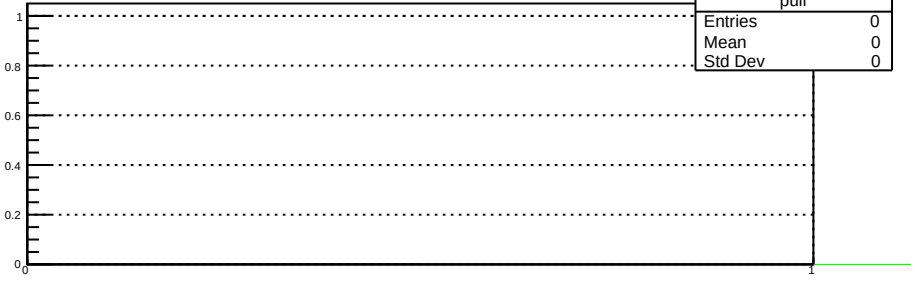
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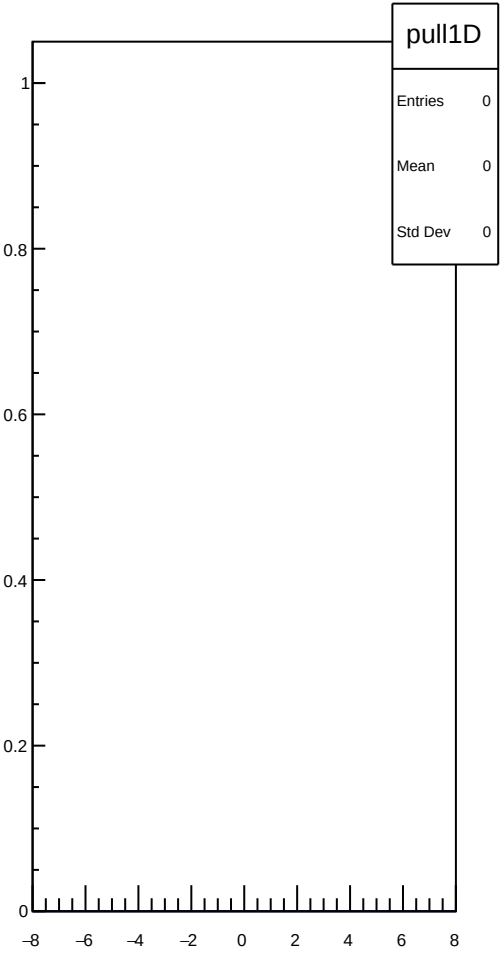
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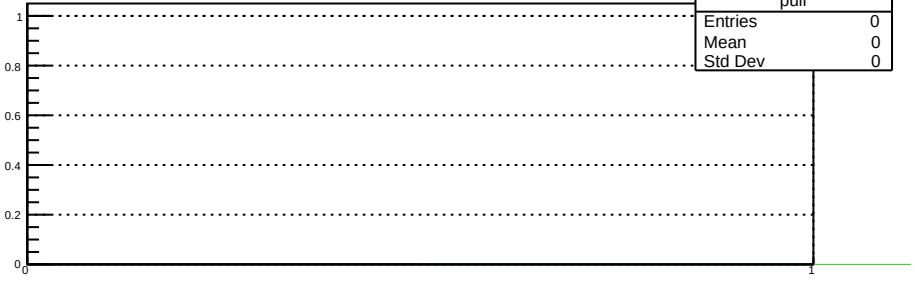
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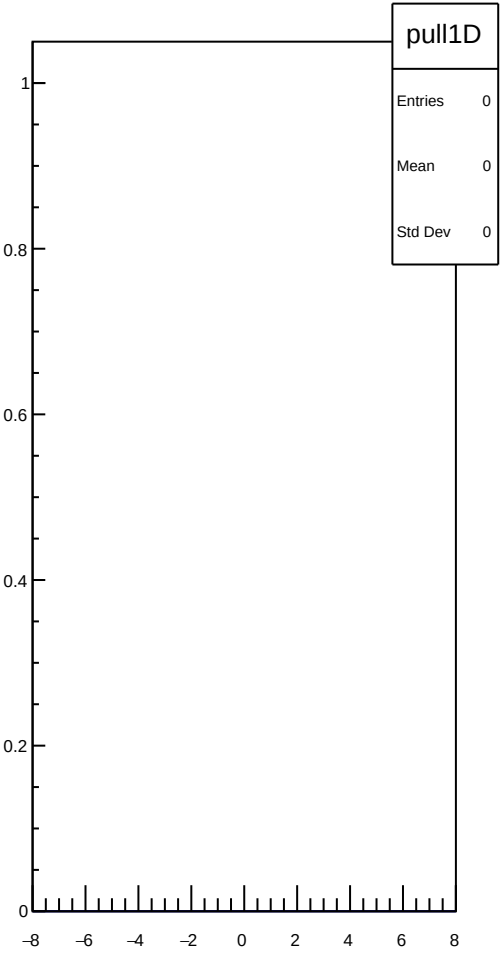
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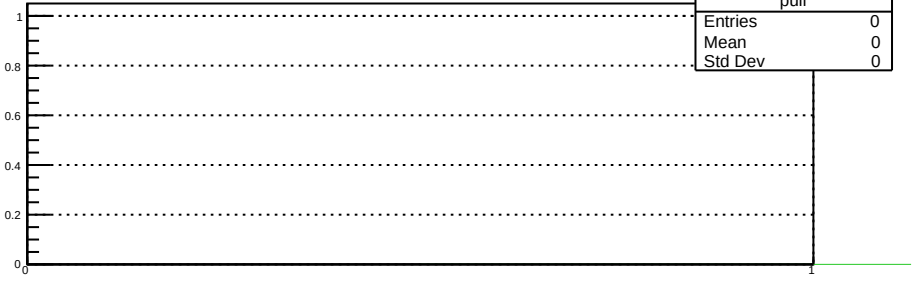
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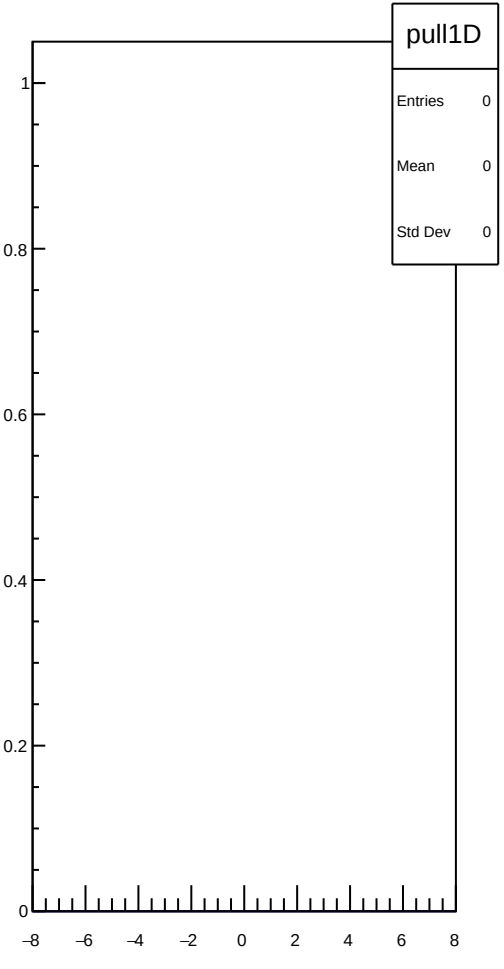
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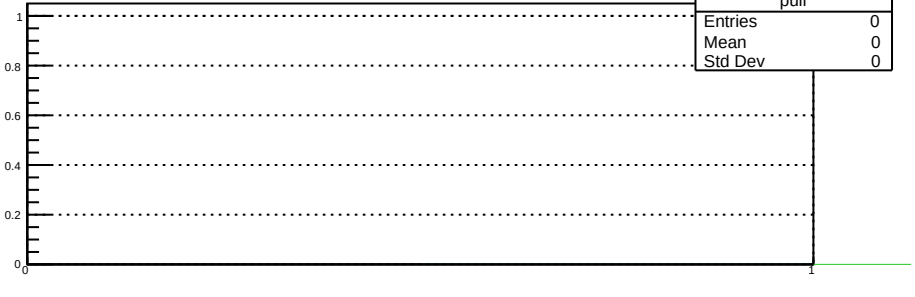
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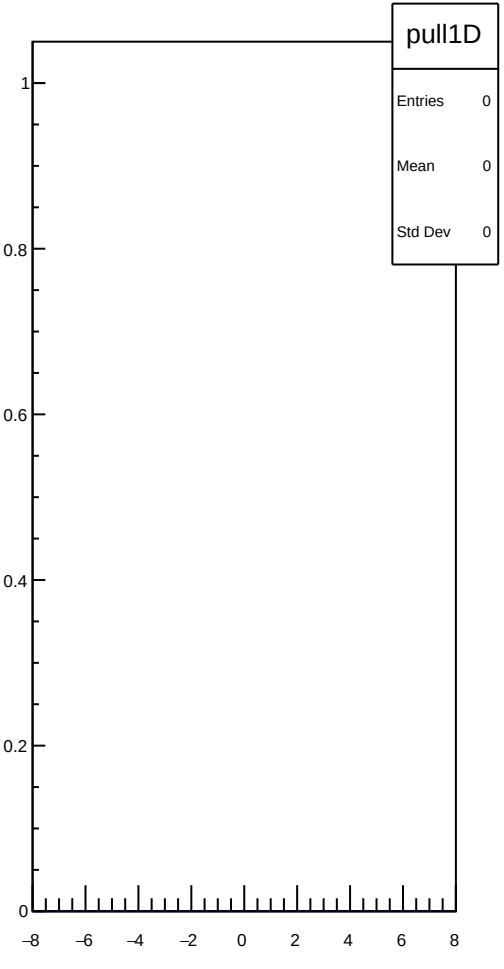
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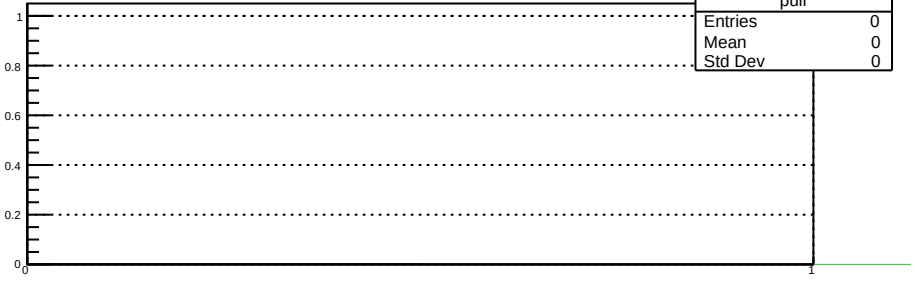
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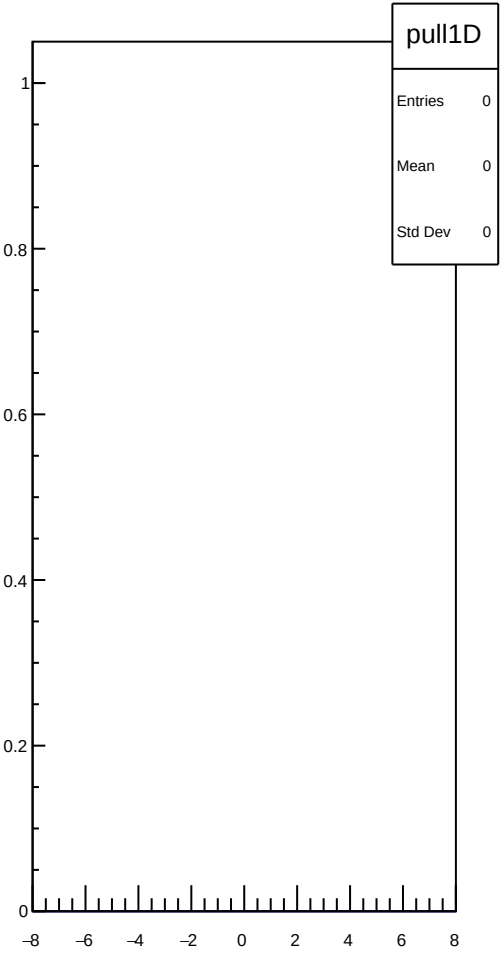
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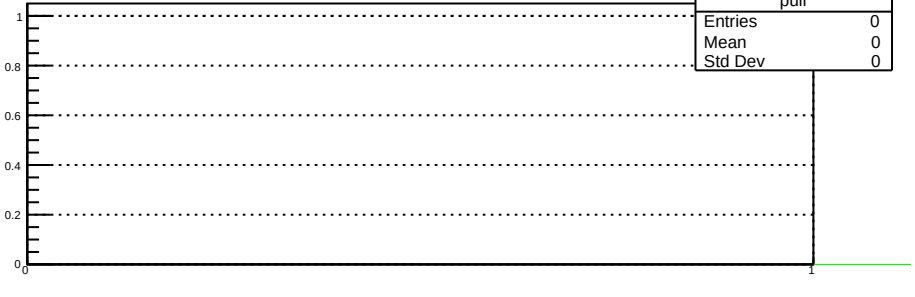
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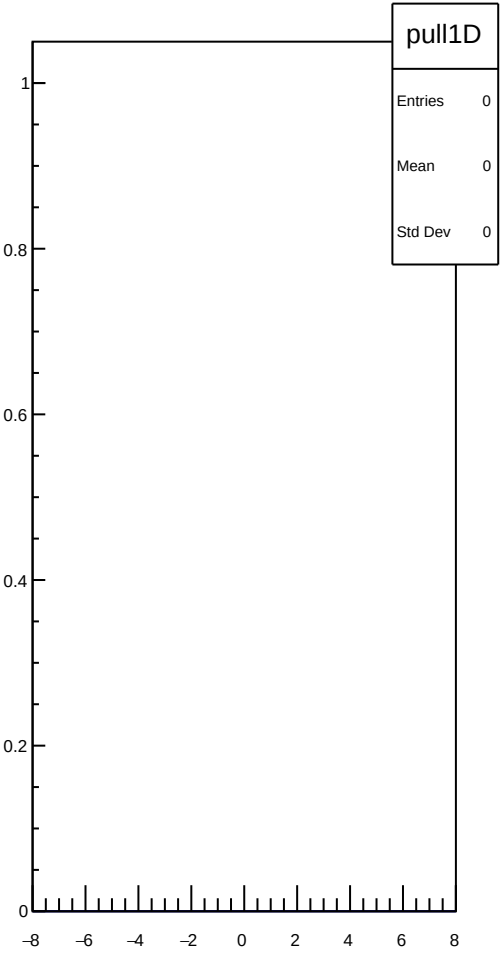
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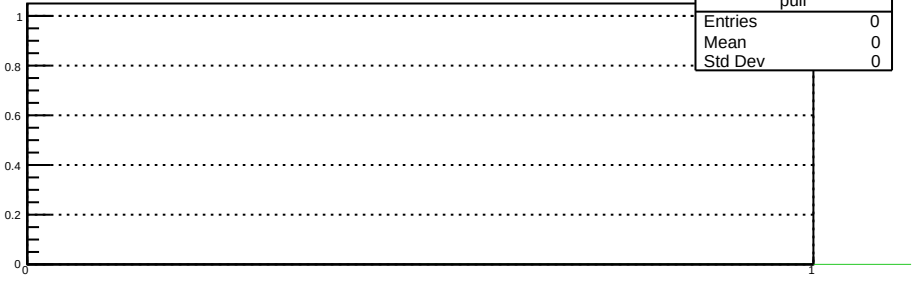
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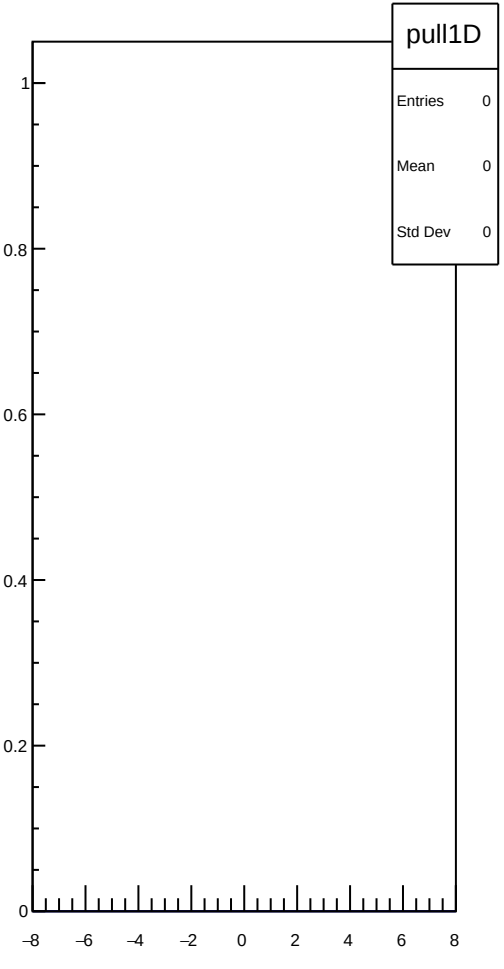
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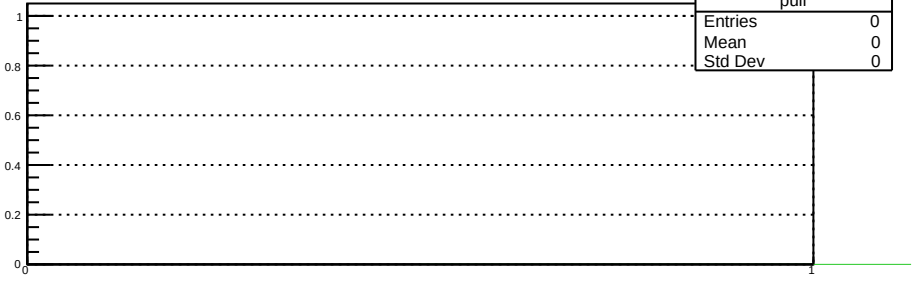
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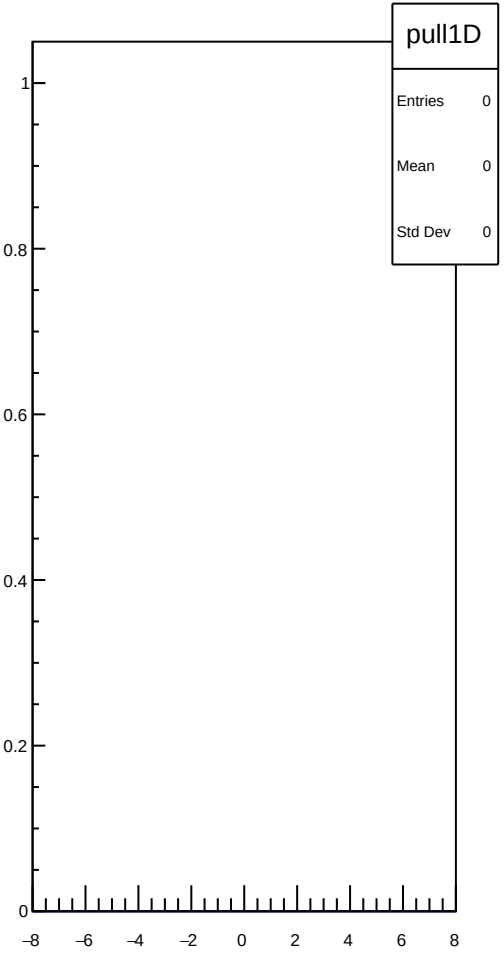
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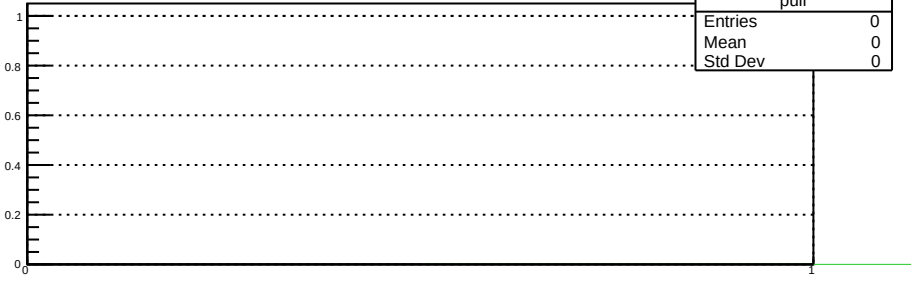
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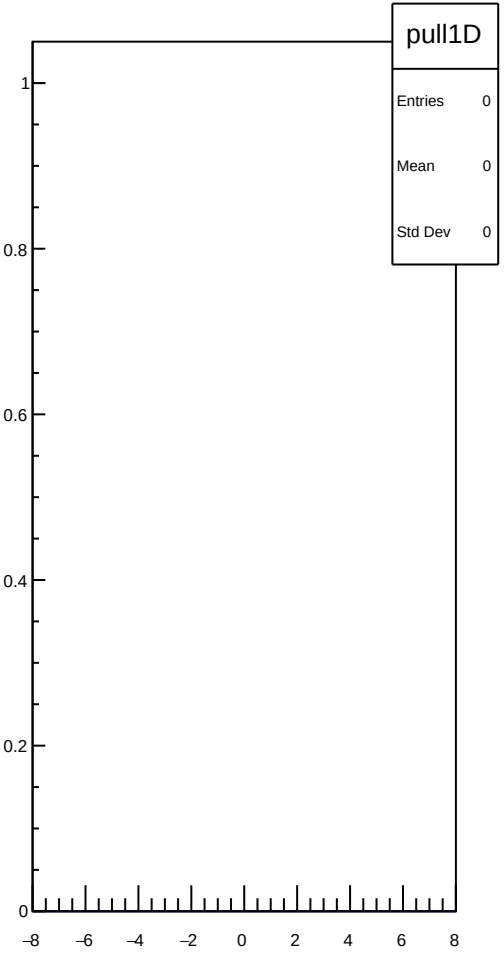
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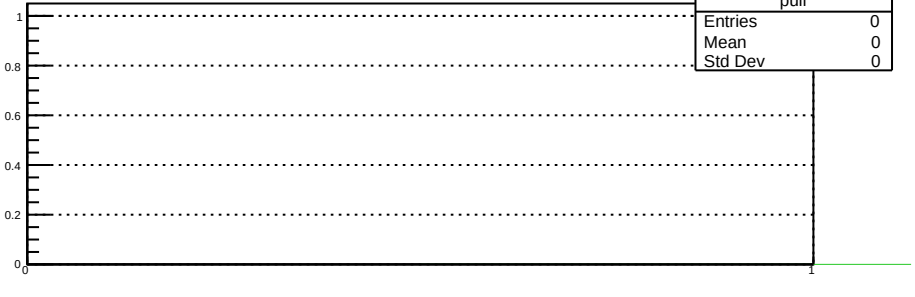
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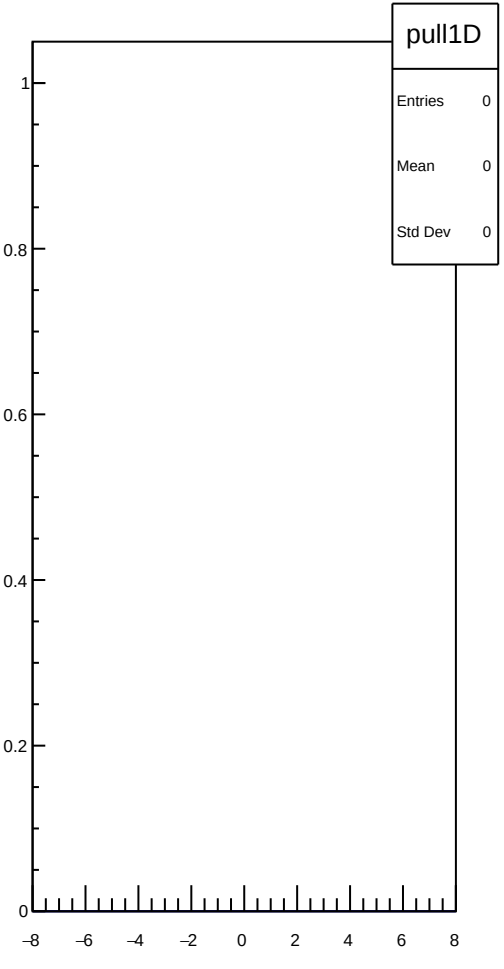
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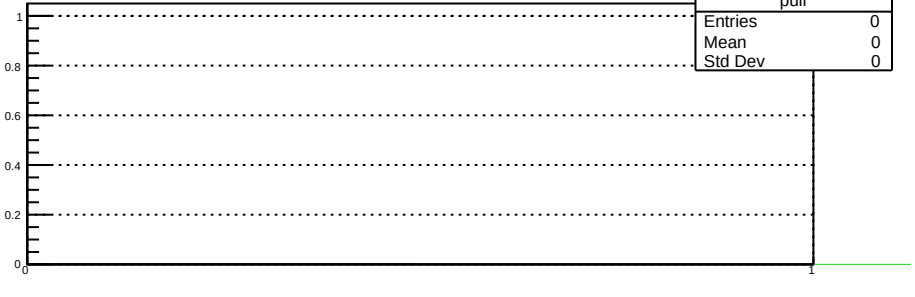
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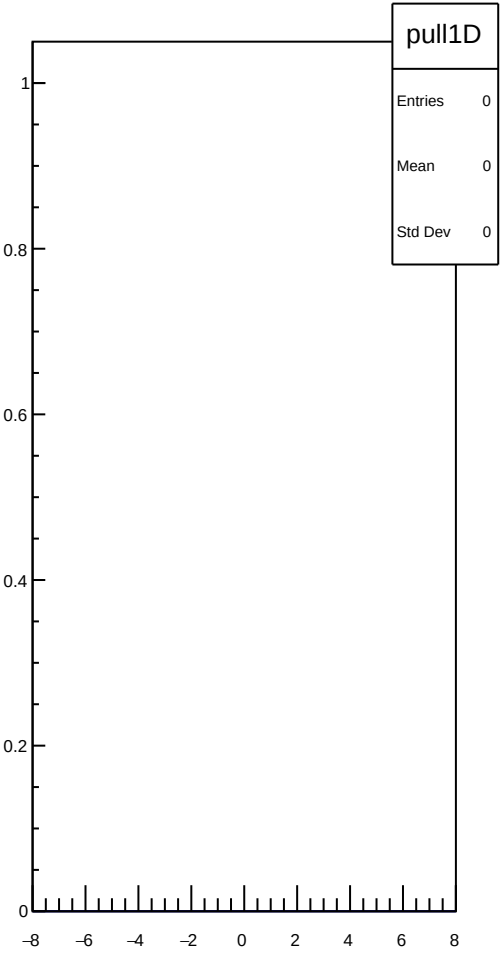
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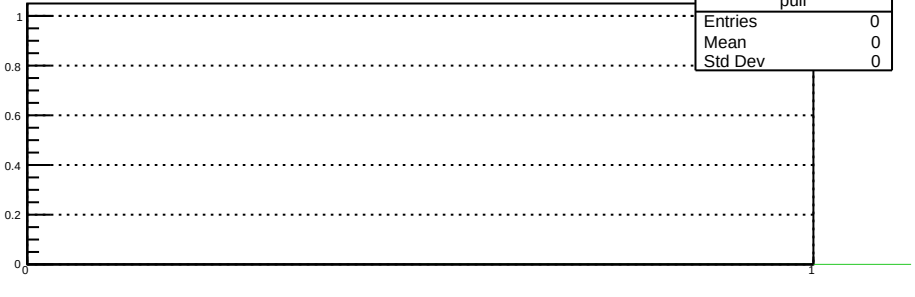
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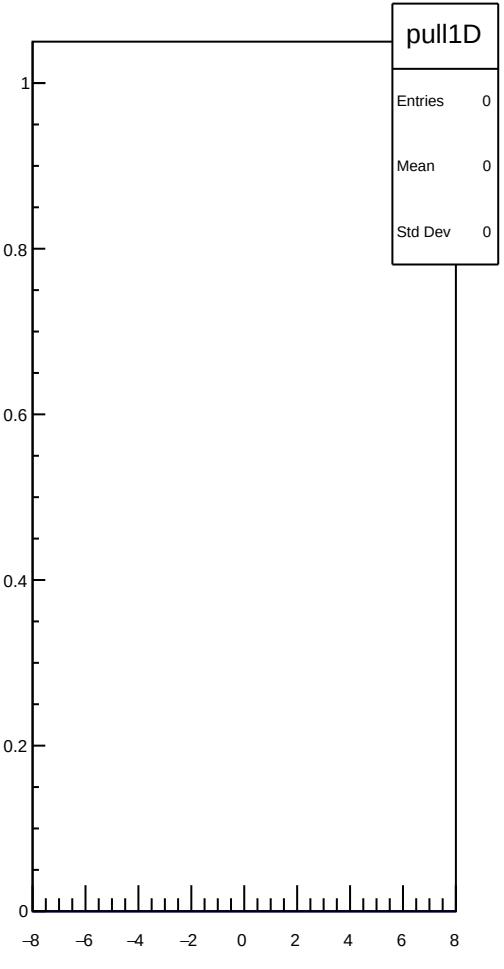
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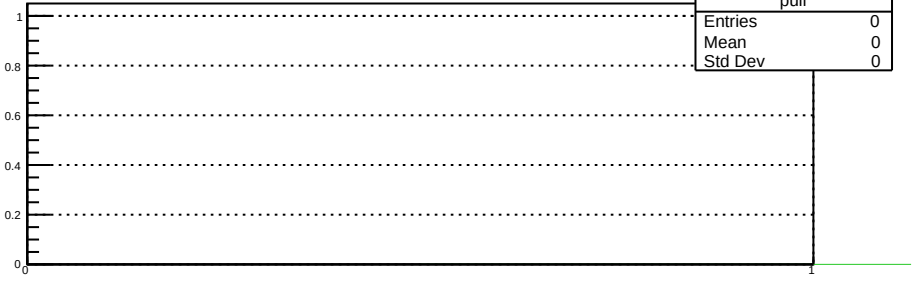
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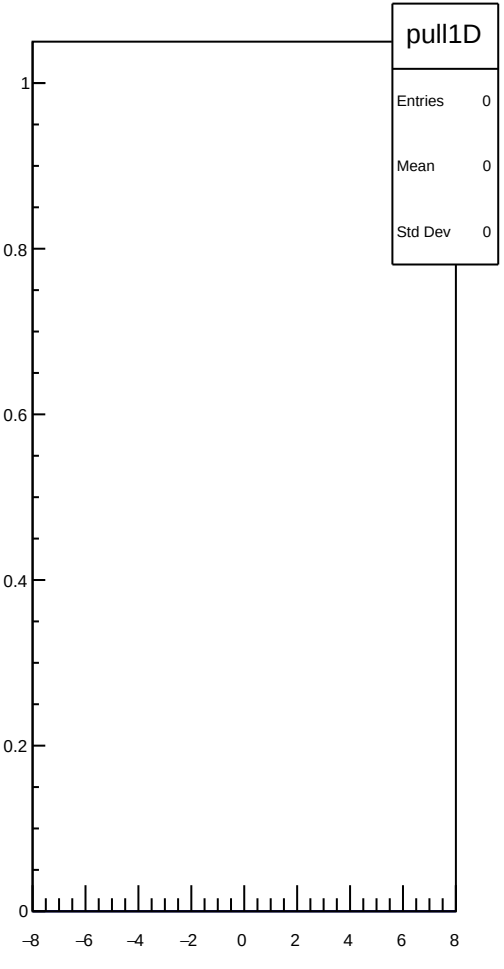
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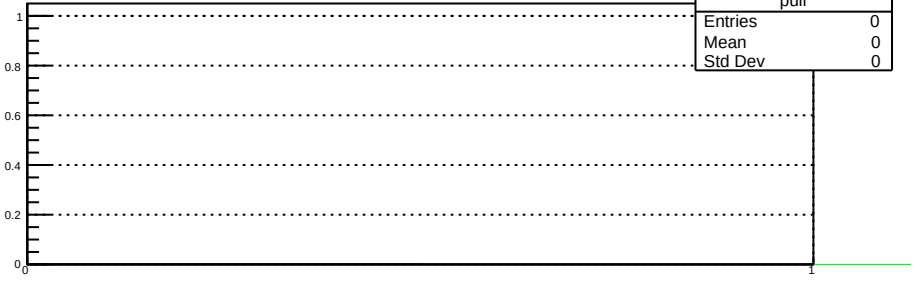
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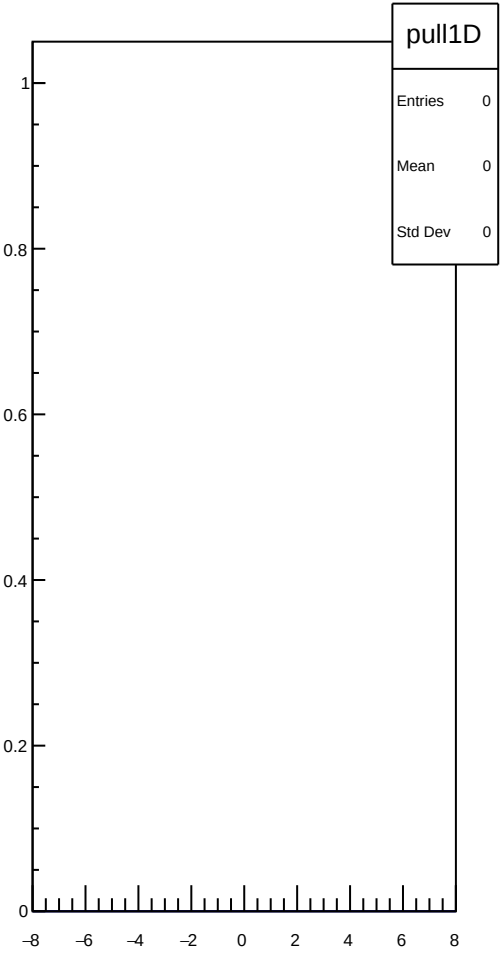
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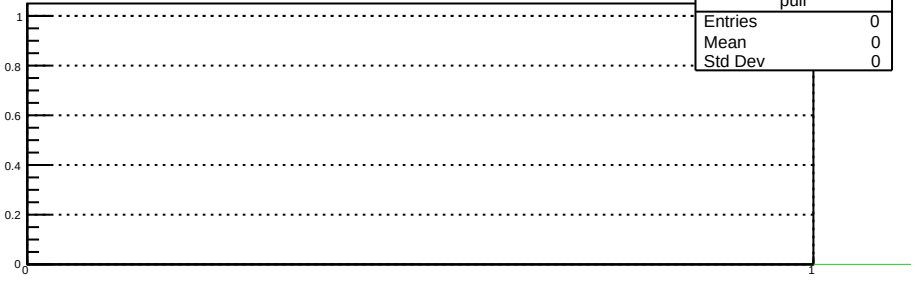
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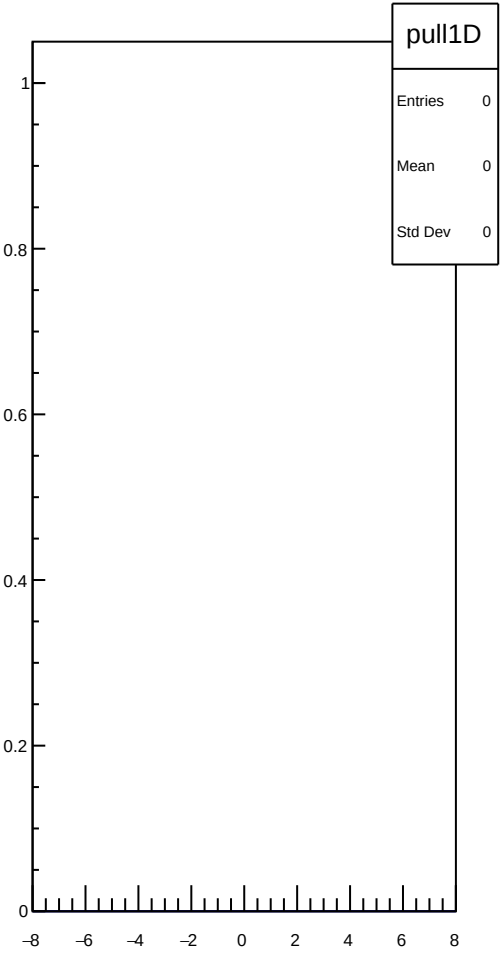
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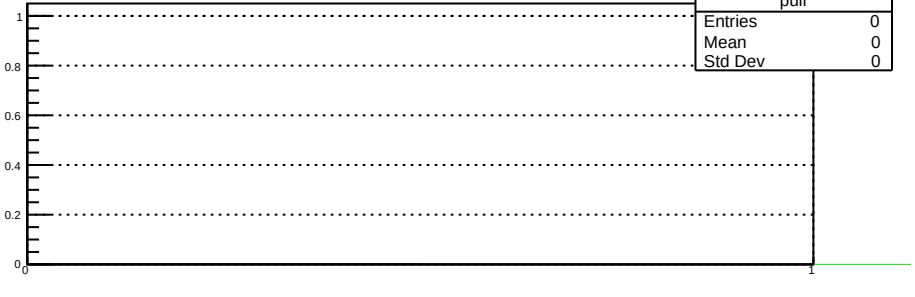
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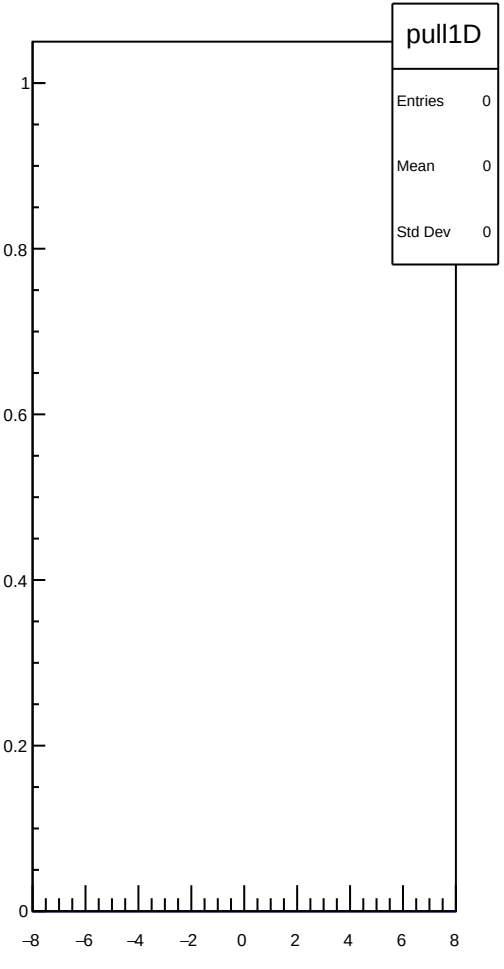
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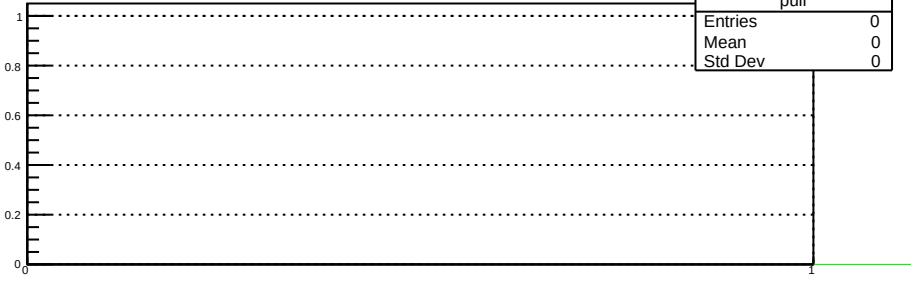
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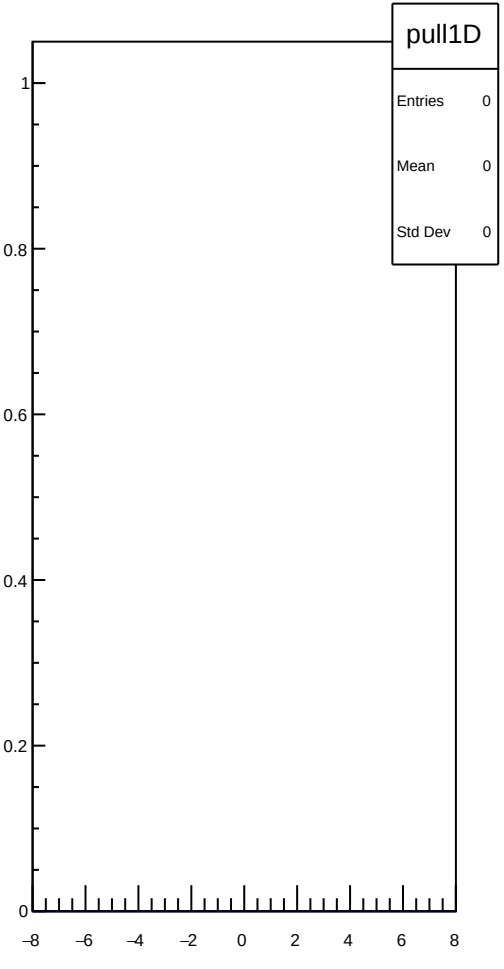
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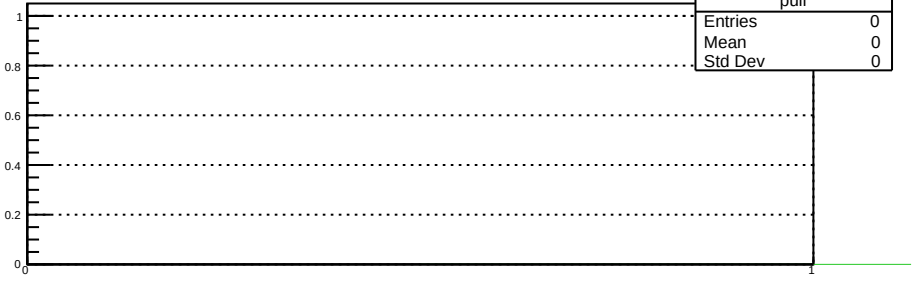
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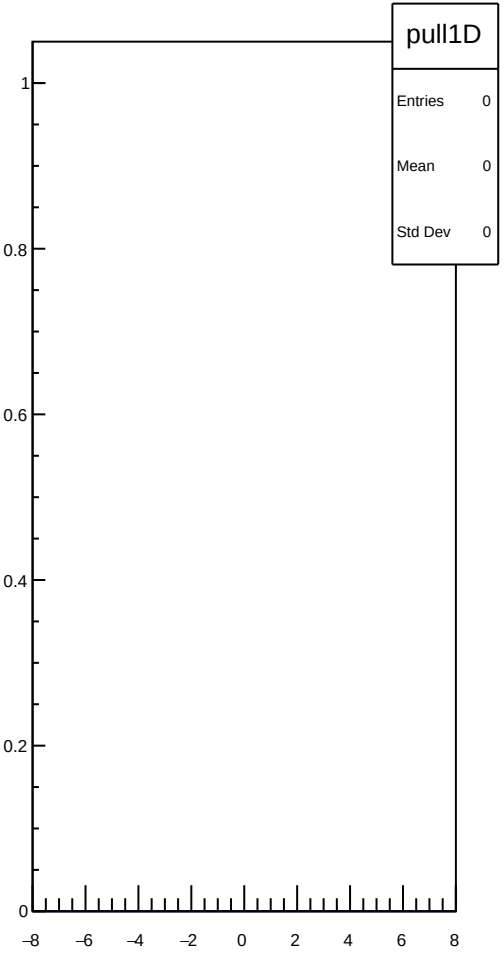
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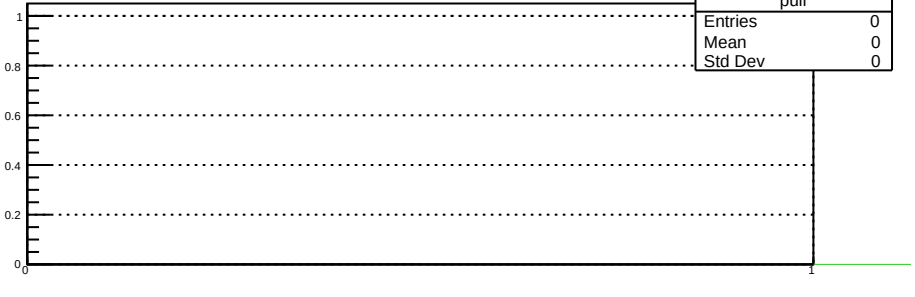
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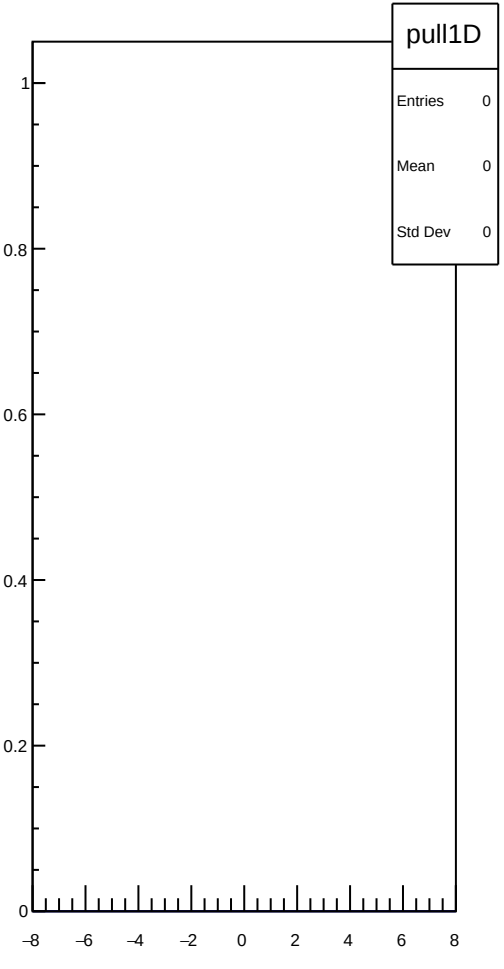
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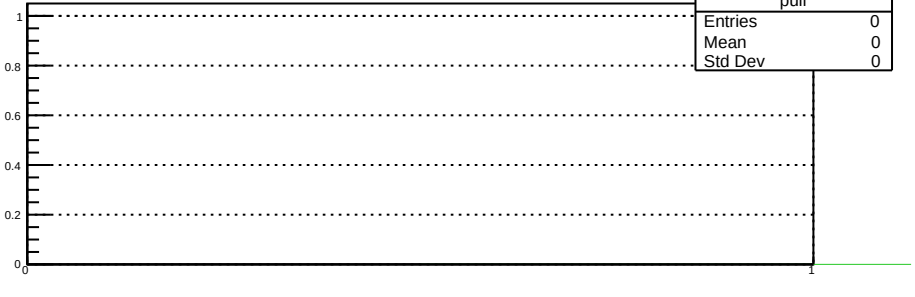
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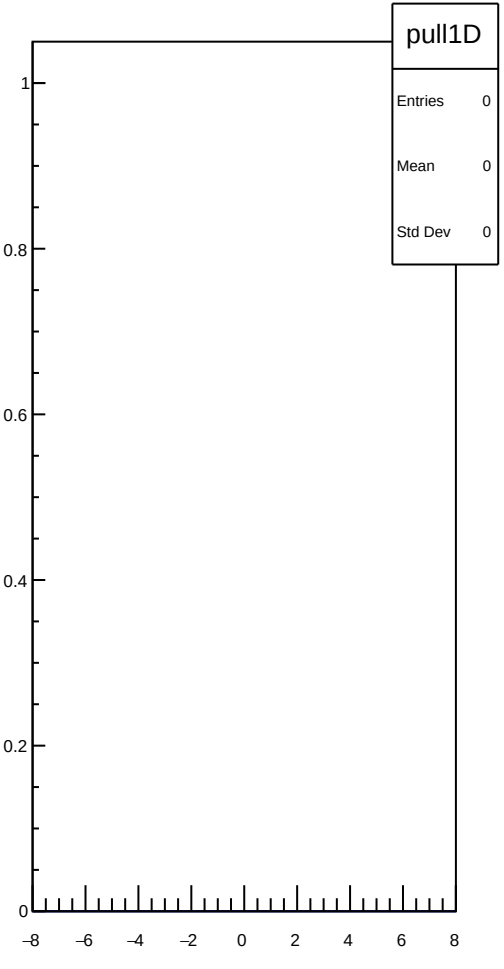
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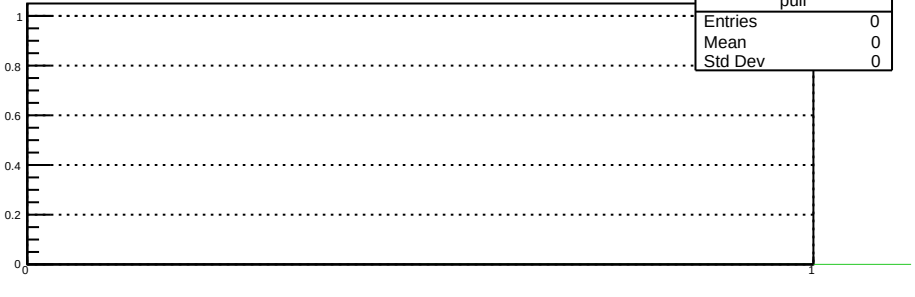
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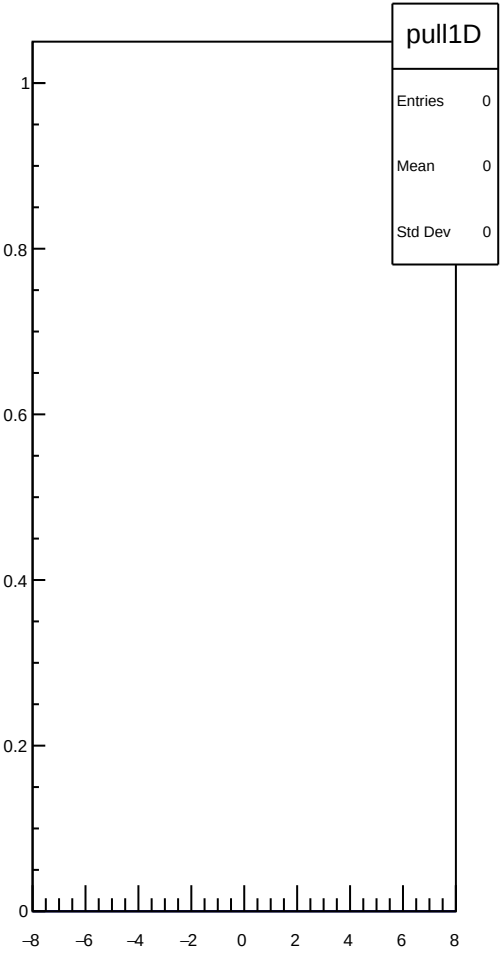
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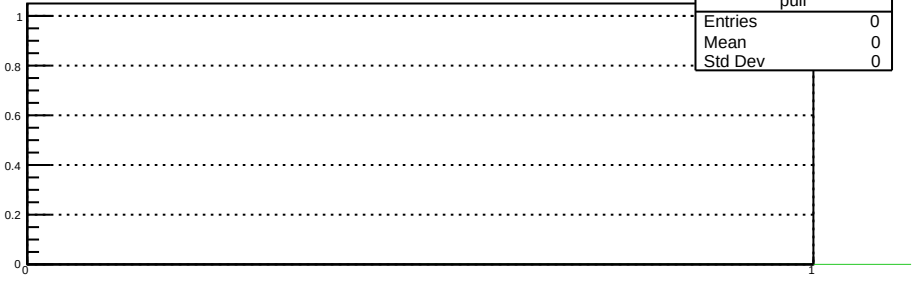
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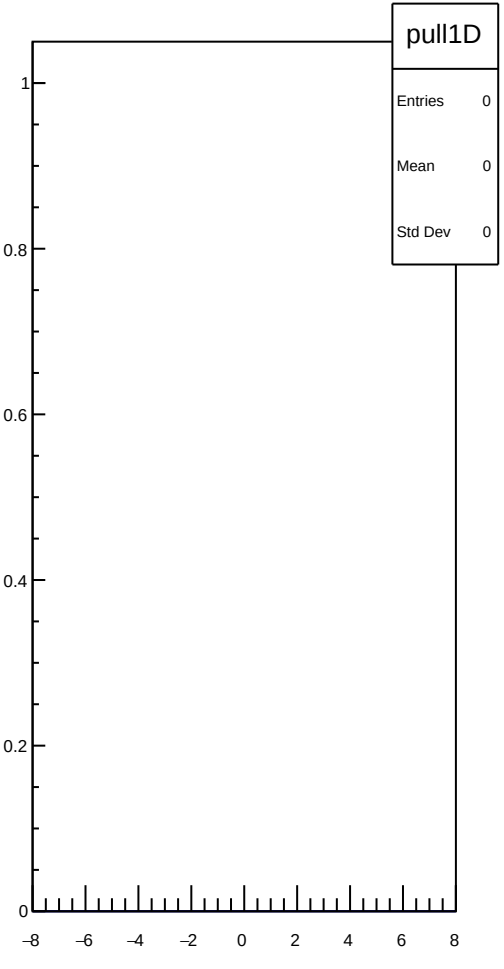
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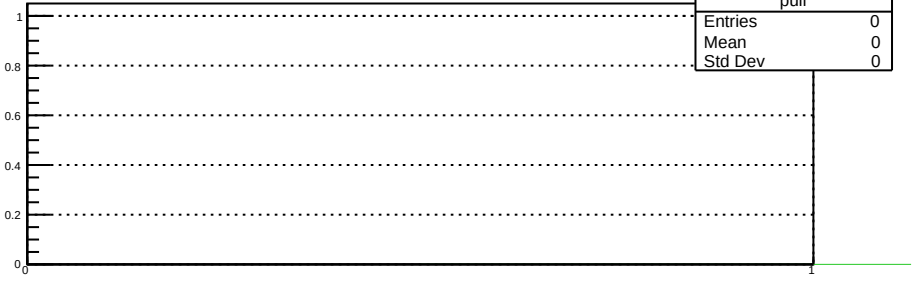
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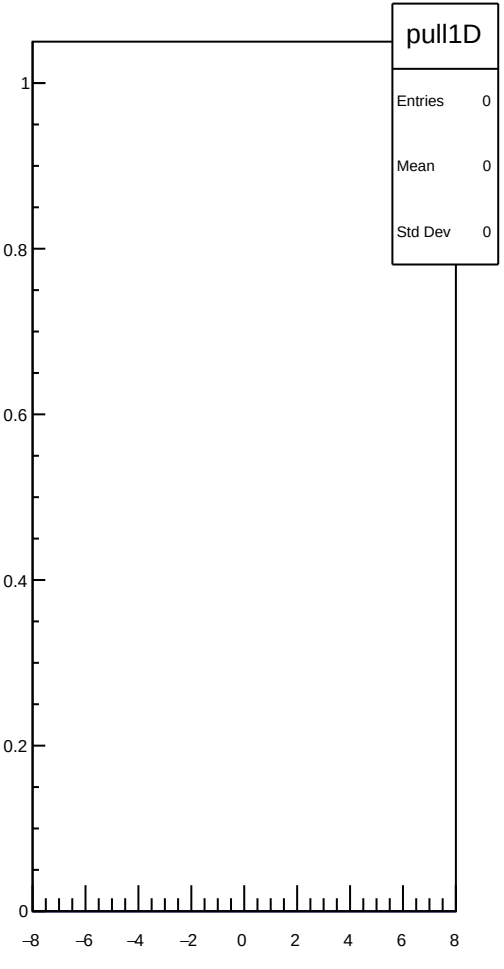
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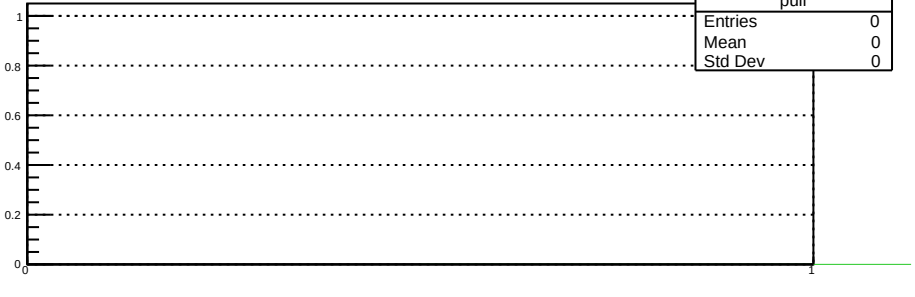
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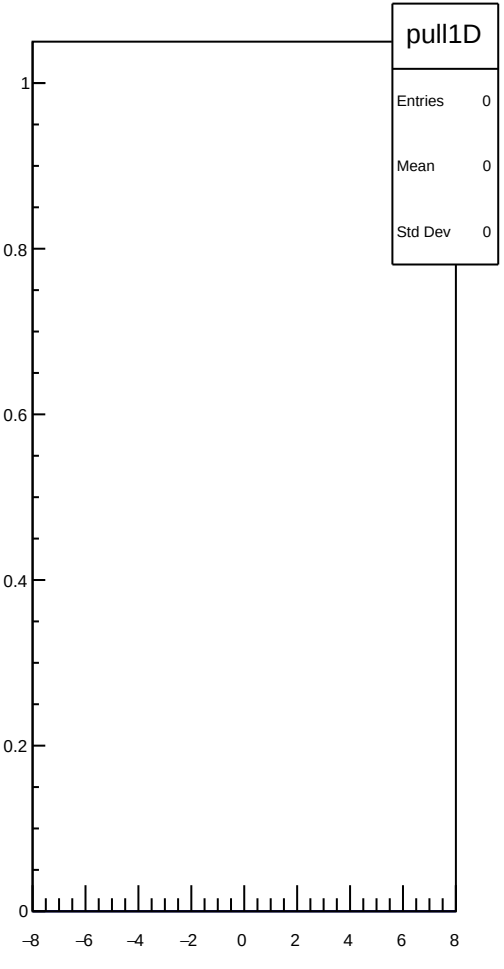
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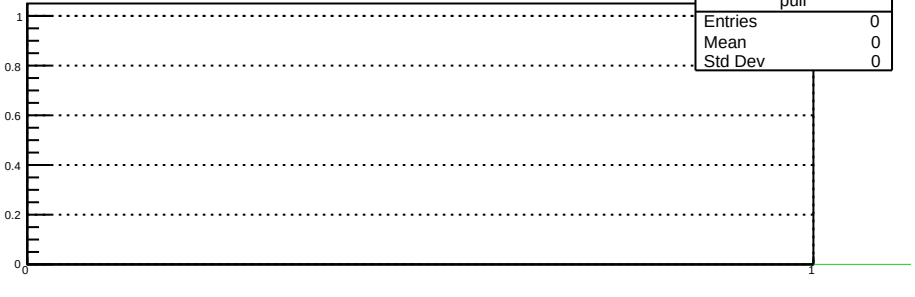
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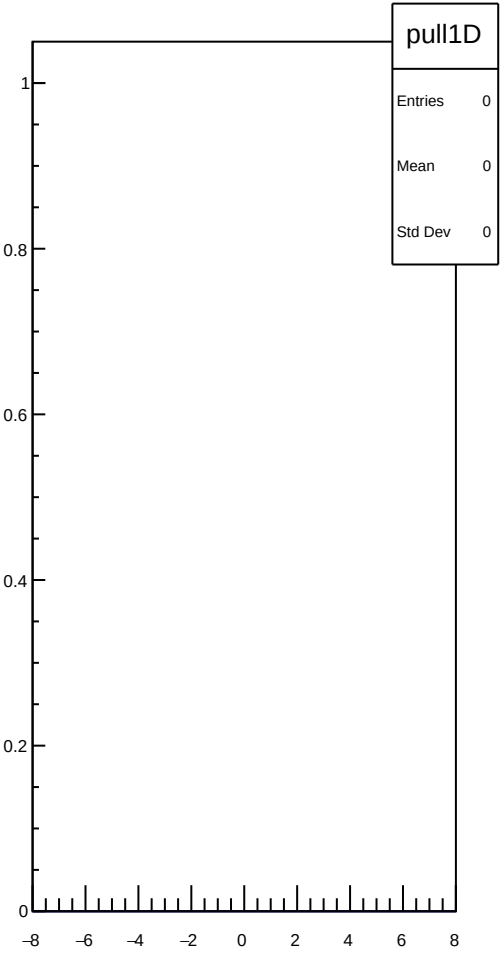
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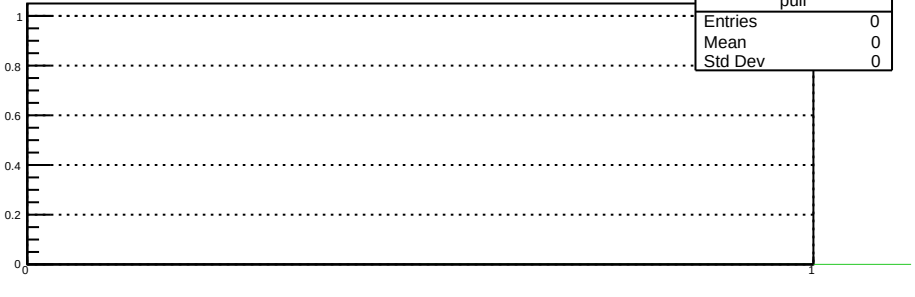
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Mean 0
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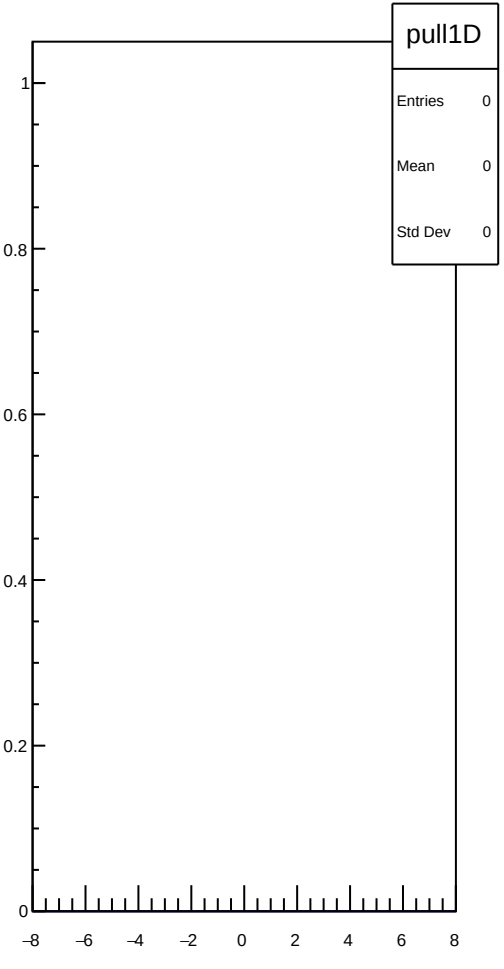
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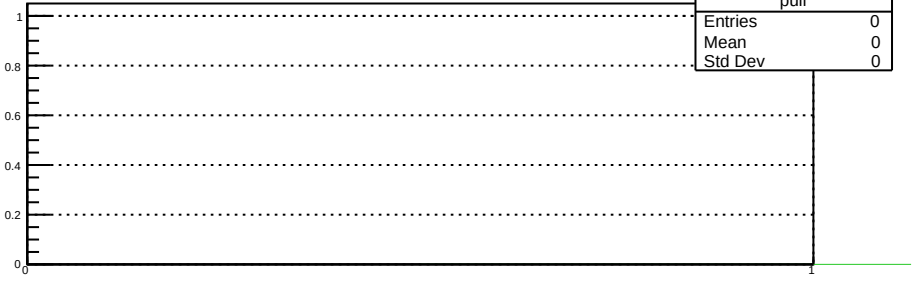
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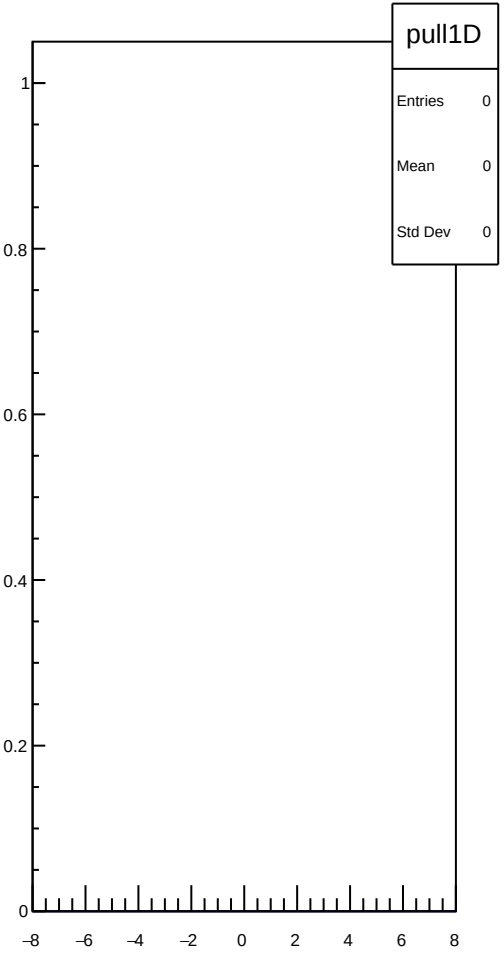
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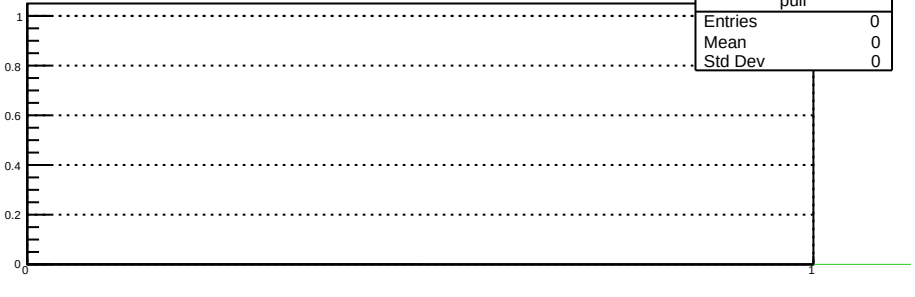
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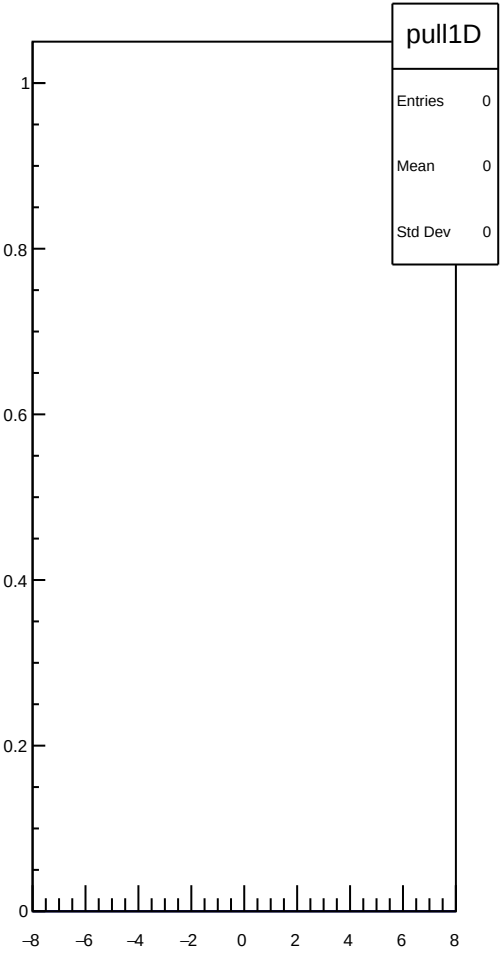
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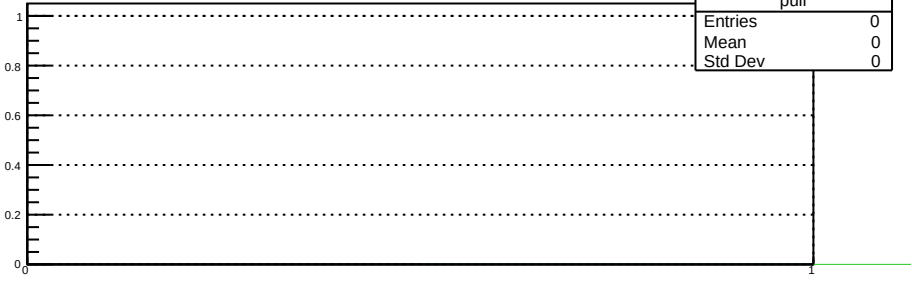
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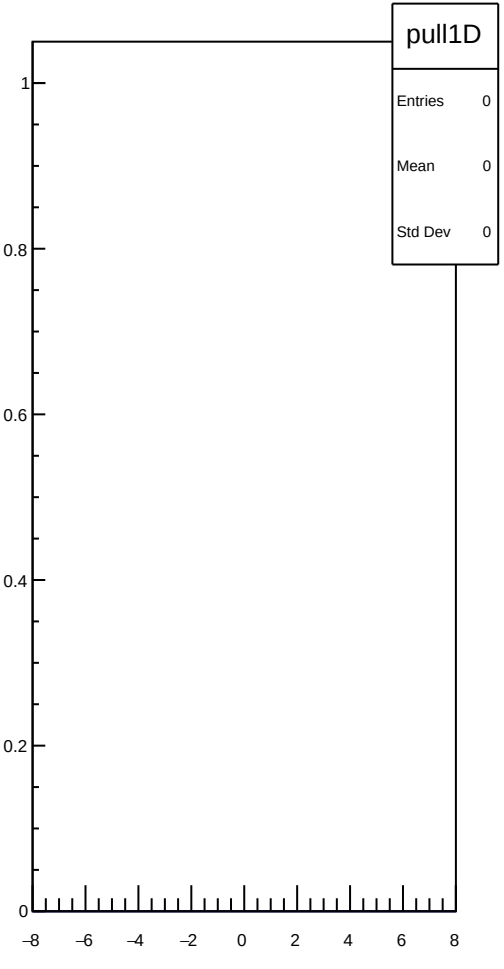
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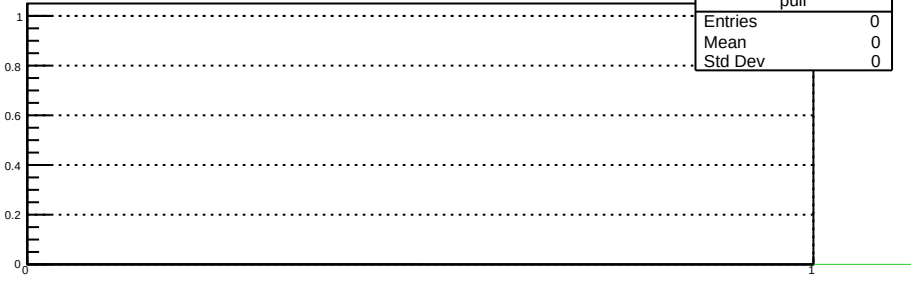
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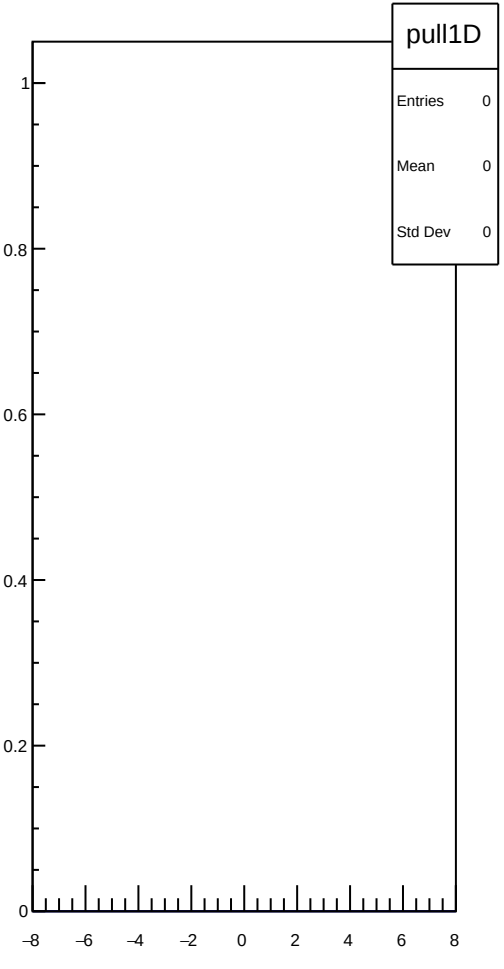
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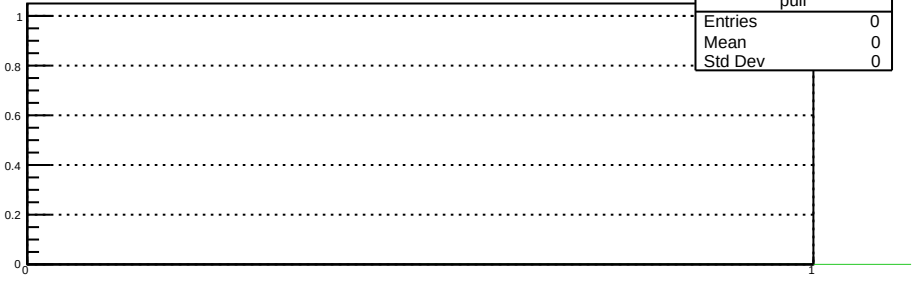
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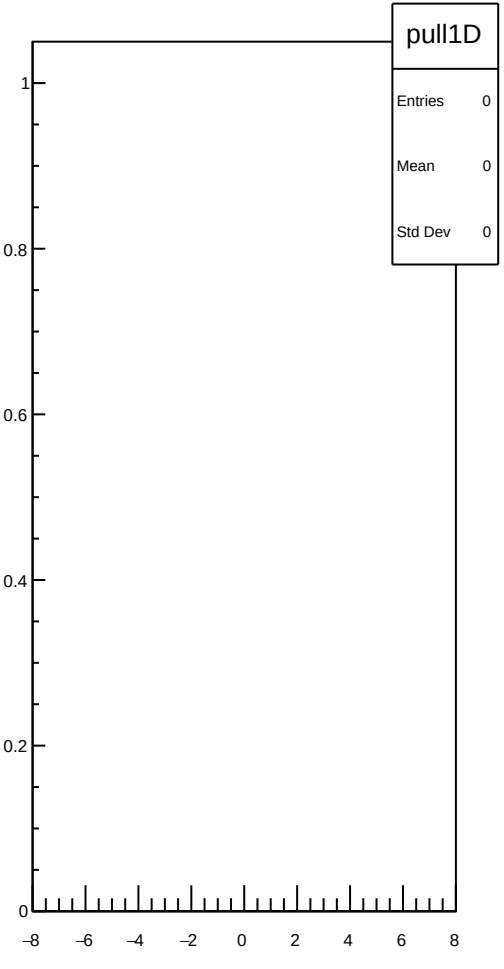
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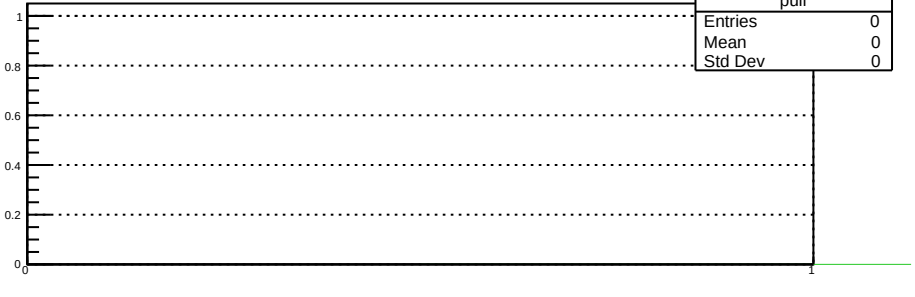
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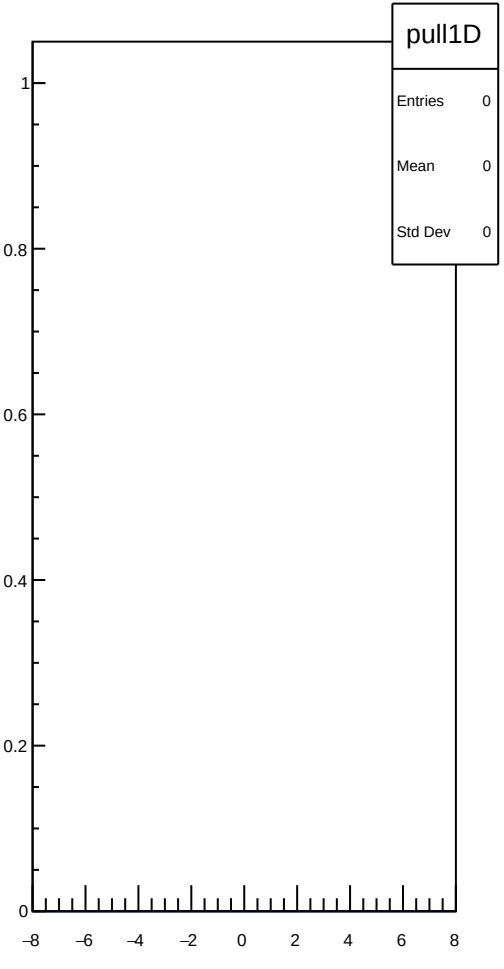
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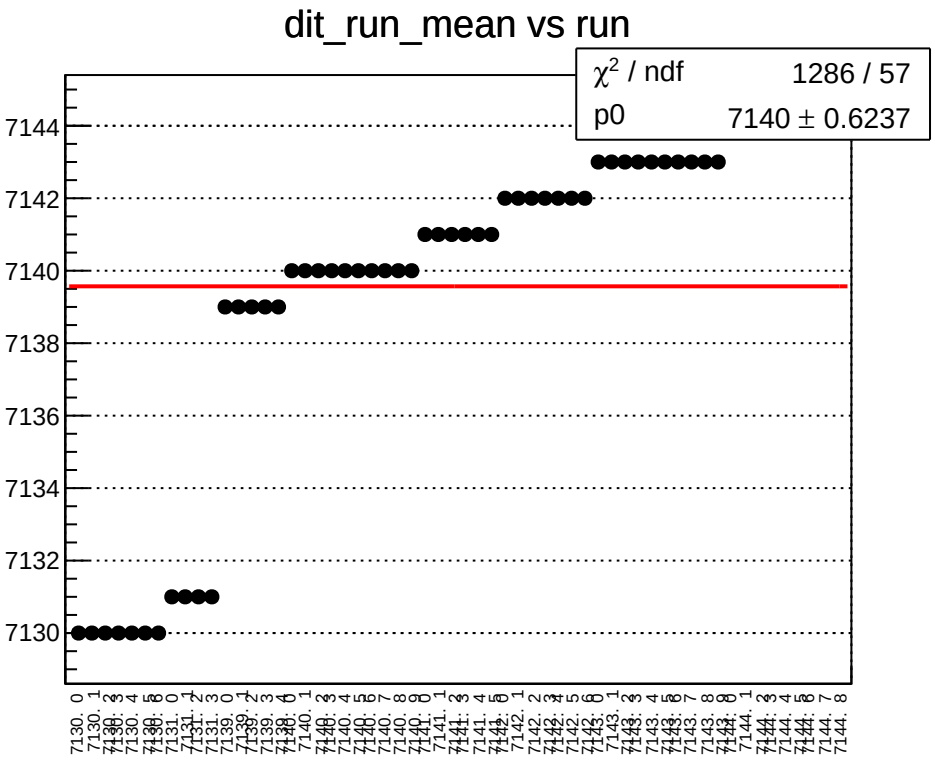
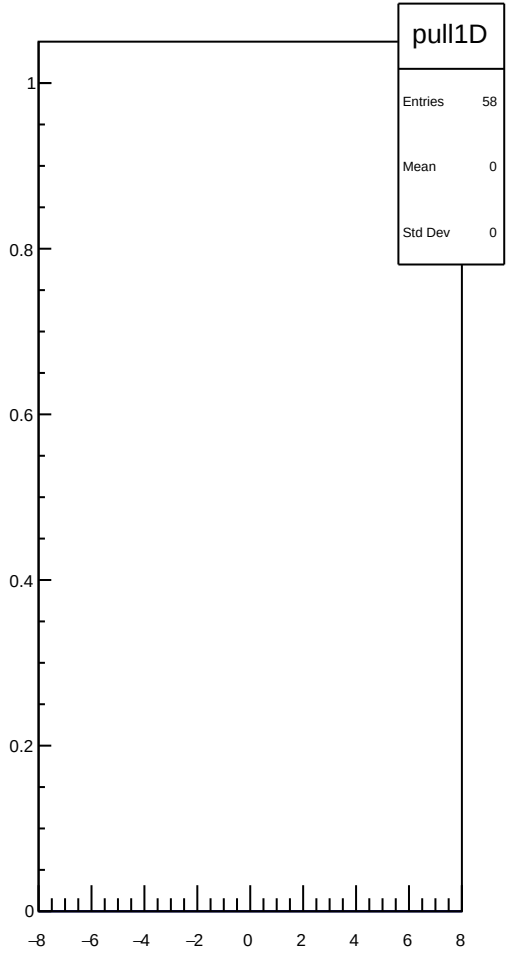

dit_run_mean vs run
χ^2 / ndf 1286 / 57
p0 7140 ± 0.6237
7144
7142
7140
7138
7136
7134
7132
7130


pull1D
Entries 58
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Std Dev 0
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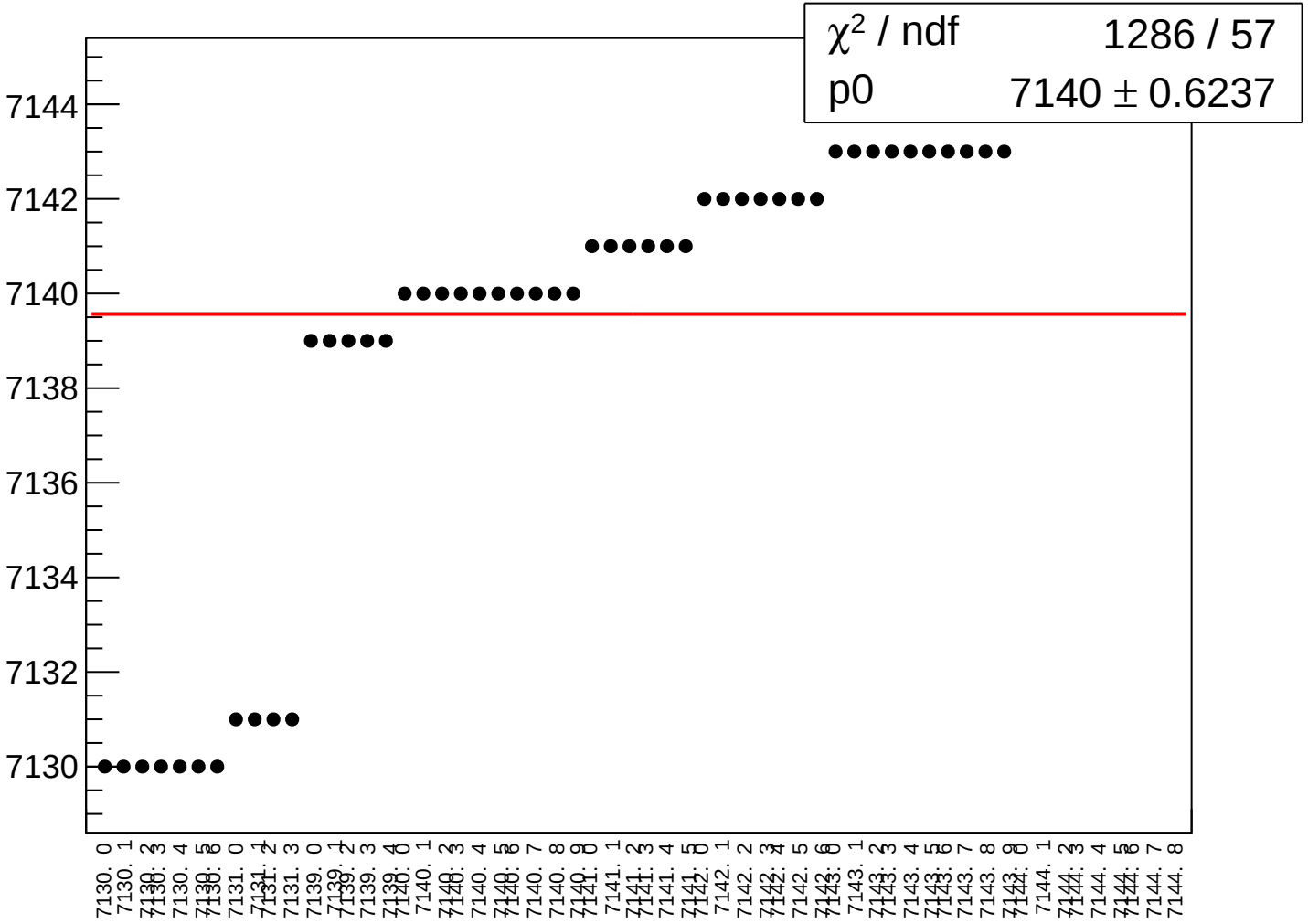
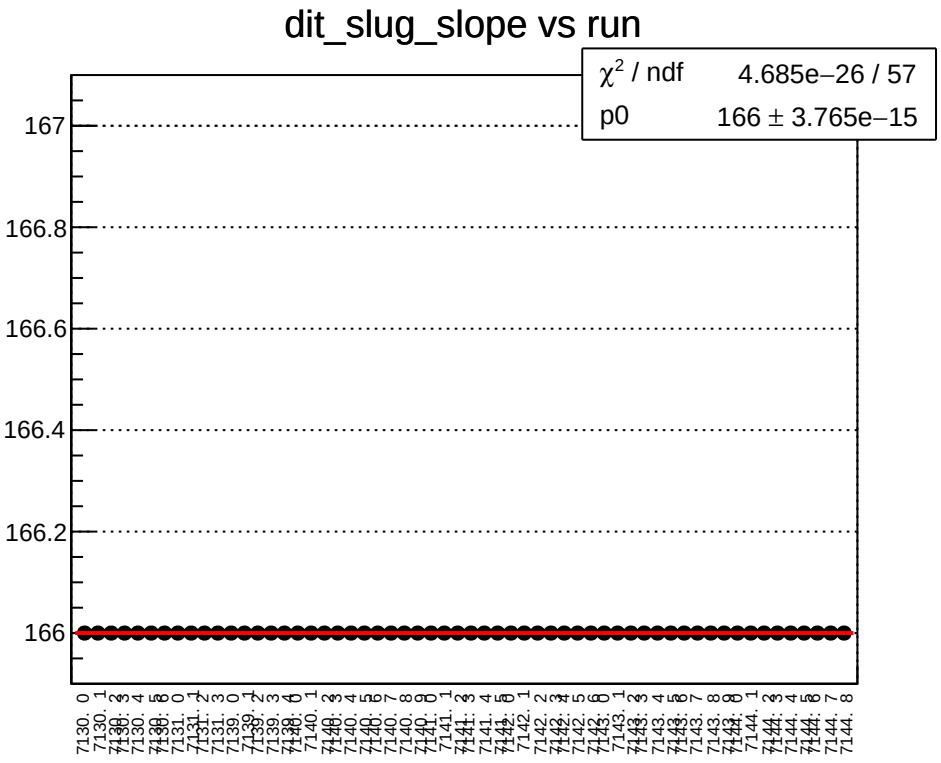
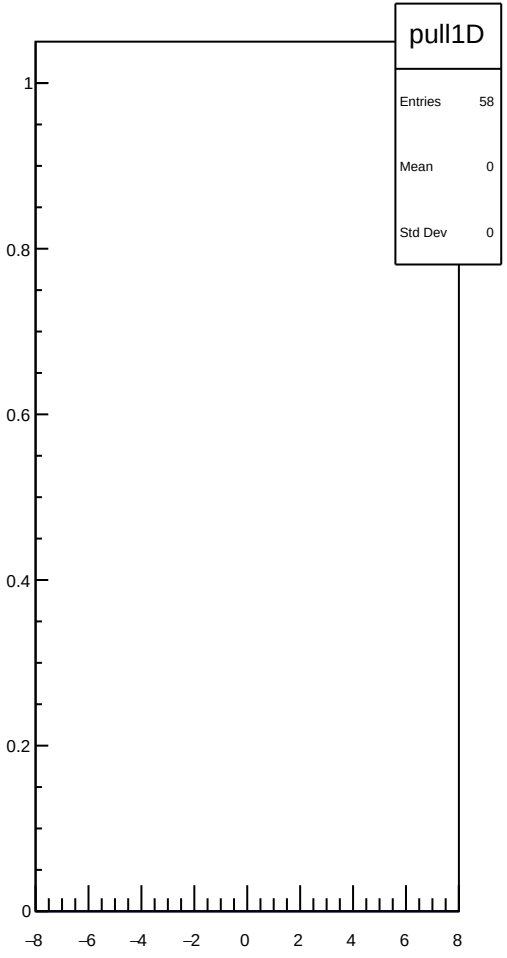
8

dit_run_rms vs run




dit_slug_slope vs run
χ^2 / ndf 4.685e−26 / 57
p0 166 ± 3.765e−15
167
166.8
166.6
166.4
166.2
166


pull1D
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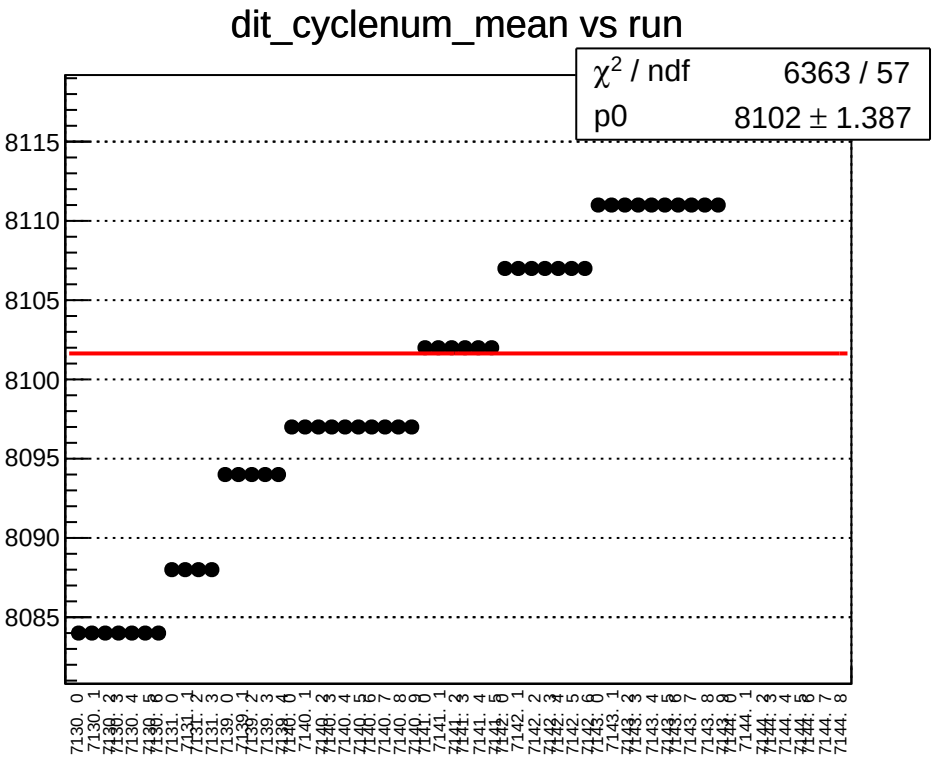
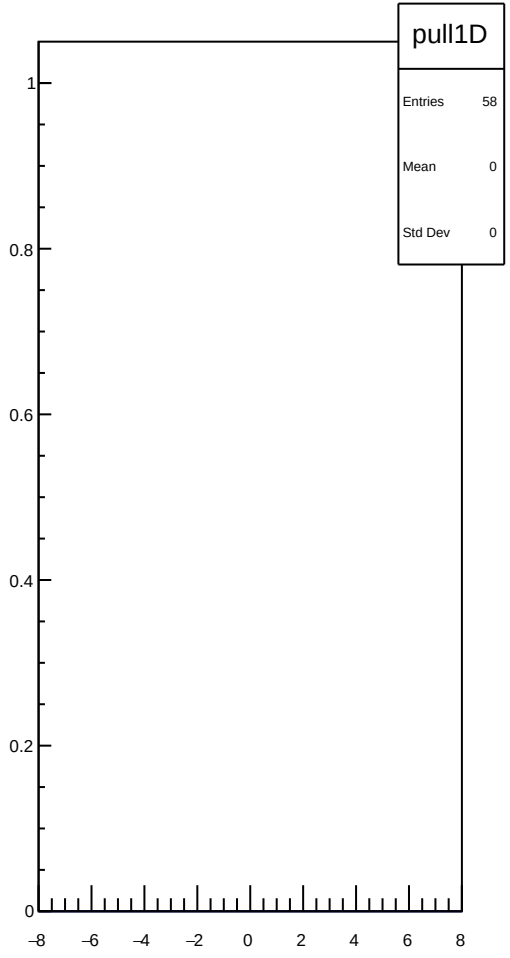

dit_cyclenum_mean vs run
χ^2 / ndf 6363 / 57
p0 8102 ± 1.387
8115
8110
8105
8100
8095
8090
8085


pull1D
Entries 58
Mean 0
Std Dev 0
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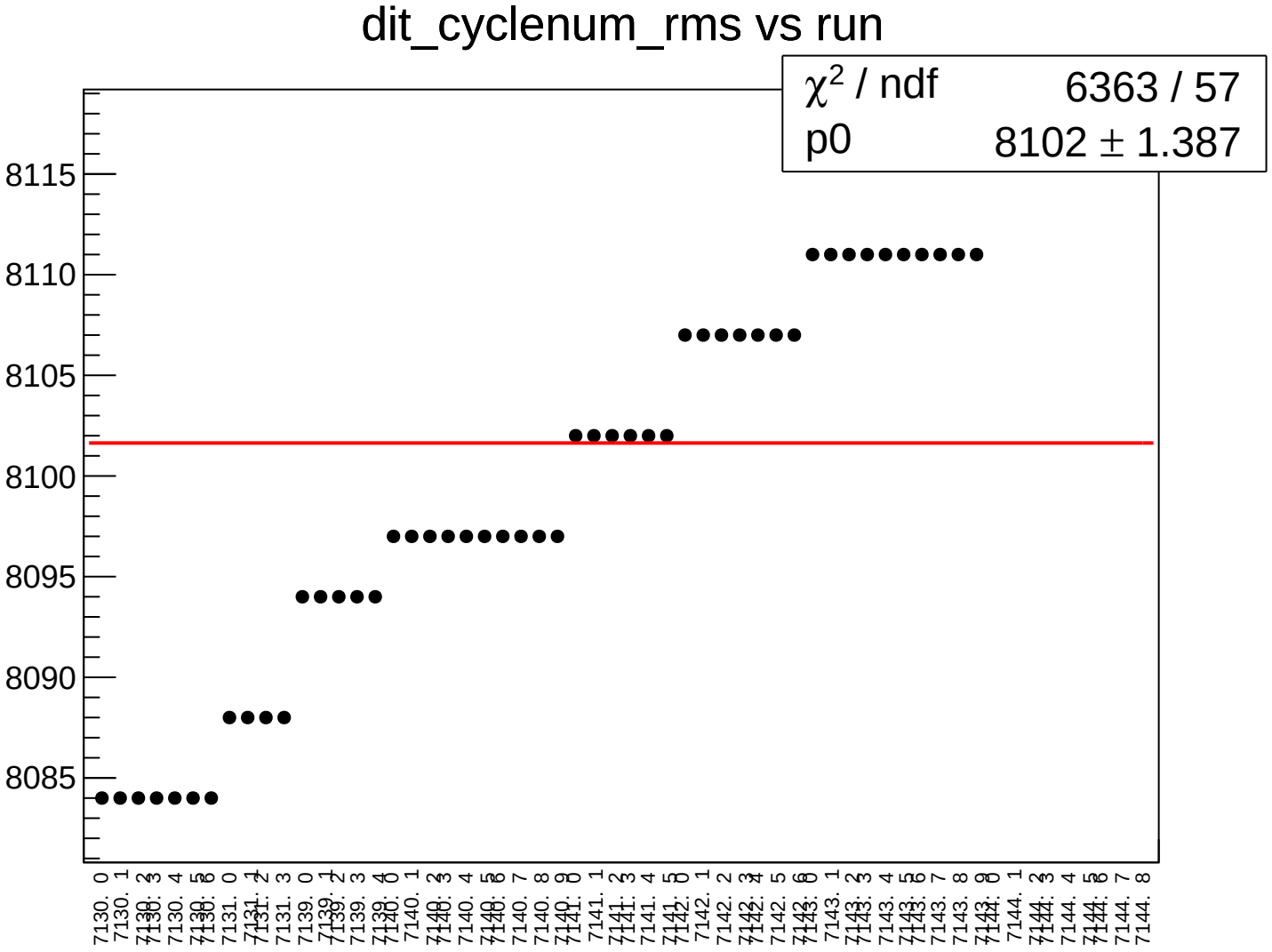
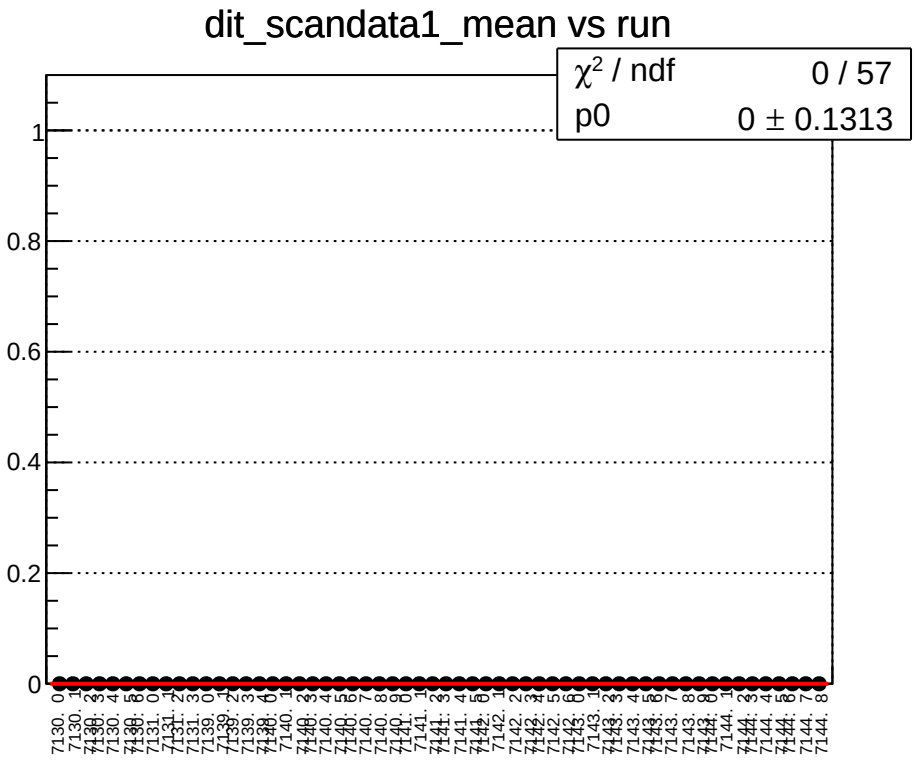
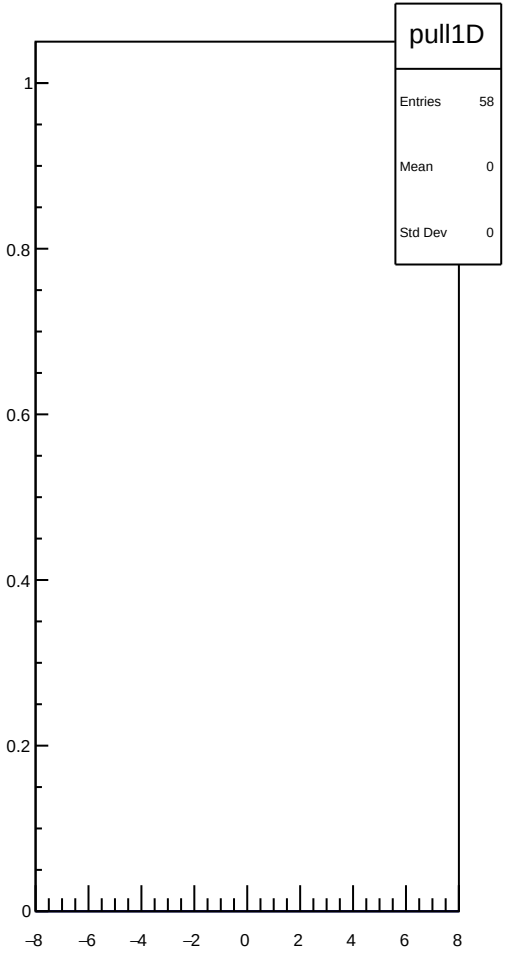

dit_cyclenum_rms vs run
χ² / ndf 6363 / 57
p0 8102 ± 1.387
8115
8110
8105
8100
8095
8090
8085


dit_scandata1_mean vs run
χ^2 / ndf 0 / 57
p0 0 ± 0.1313
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 58
Mean 0
Std Dev 0
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4
6
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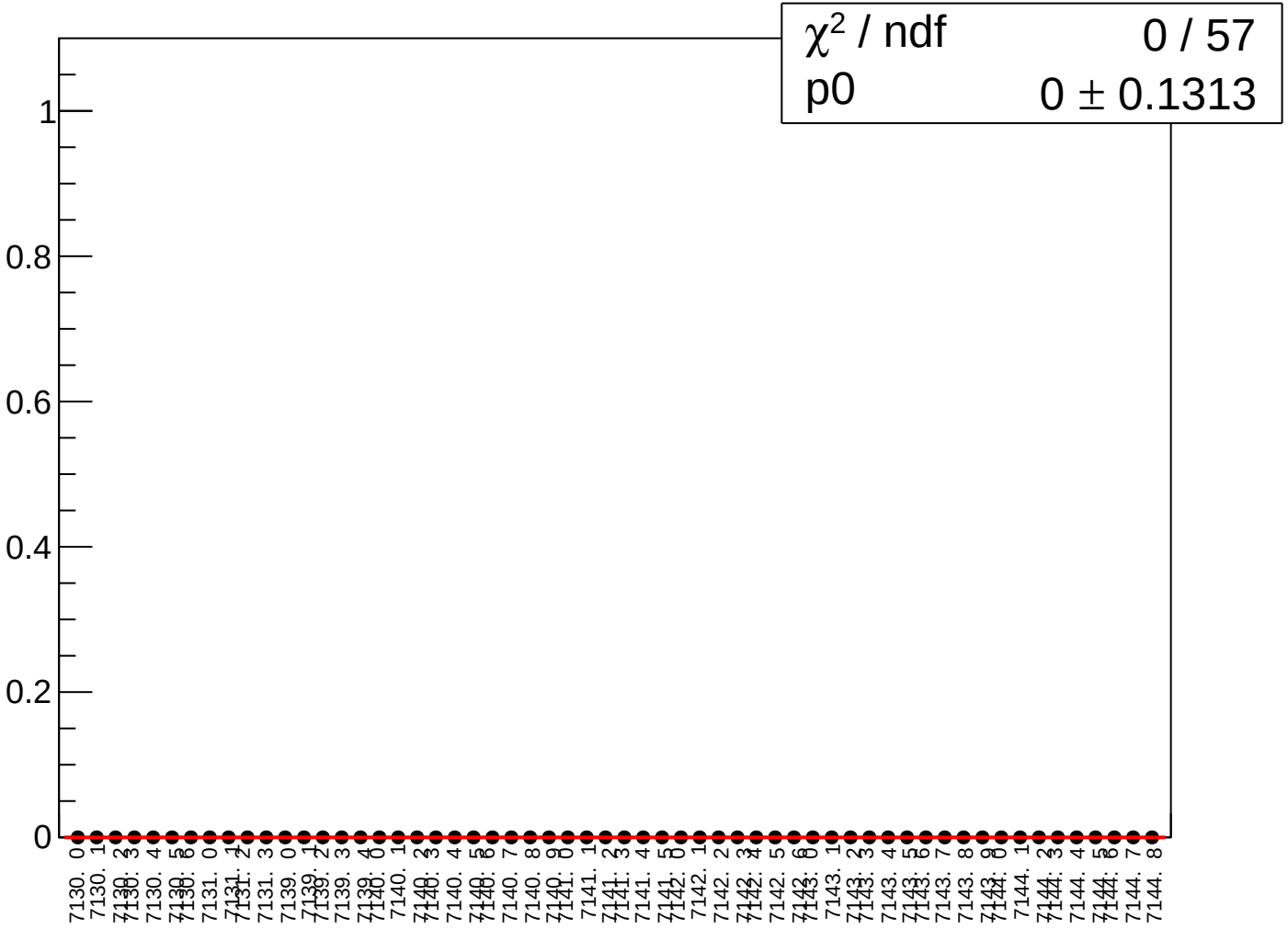
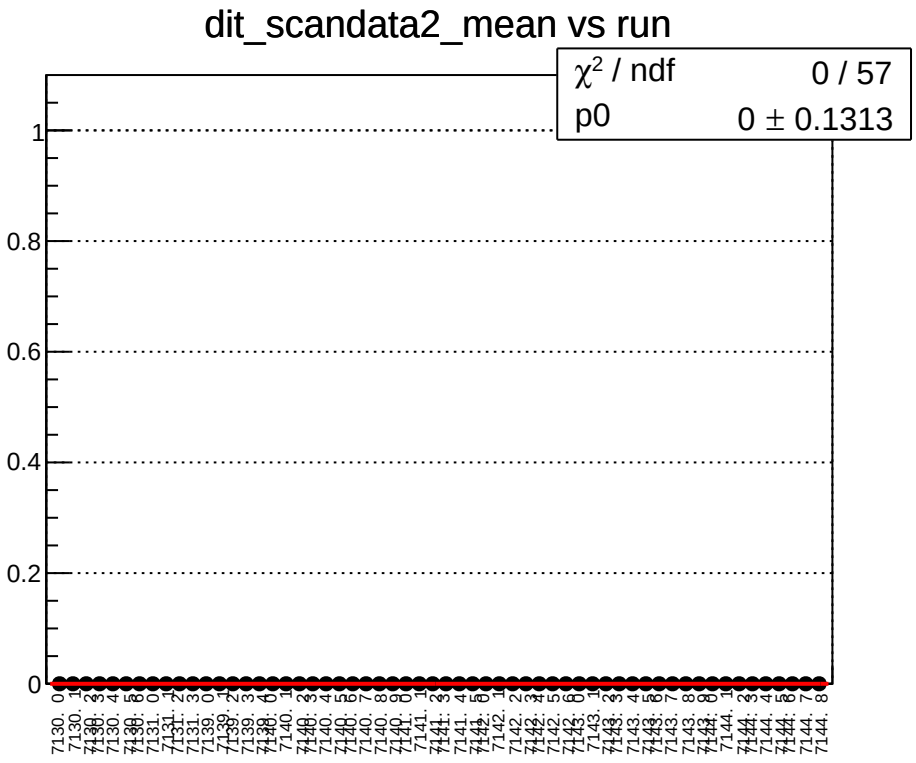
dit_scandata1_rms vs run




dit_scandata2_mean vs run
χ^2 / ndf 0 / 57
p0 0 ± 0.1313
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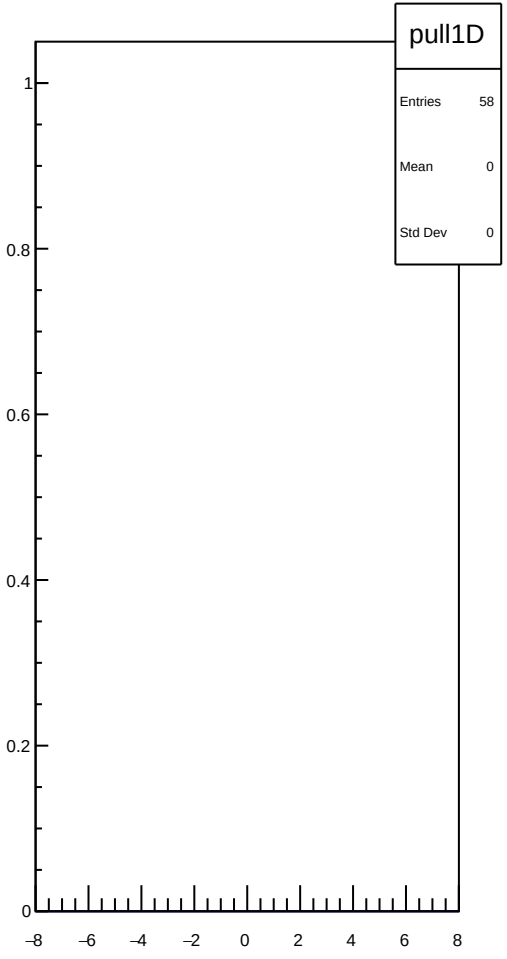
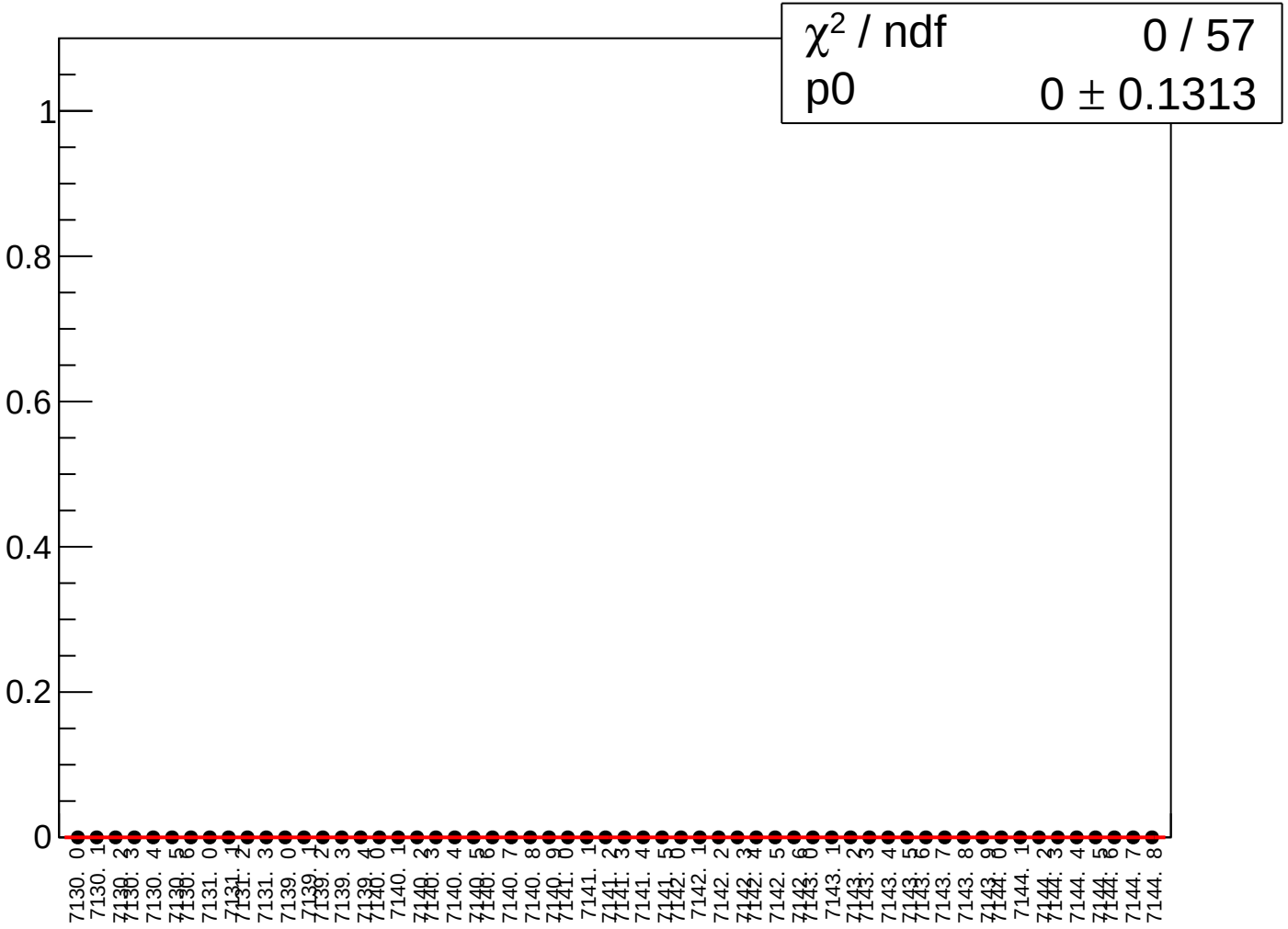
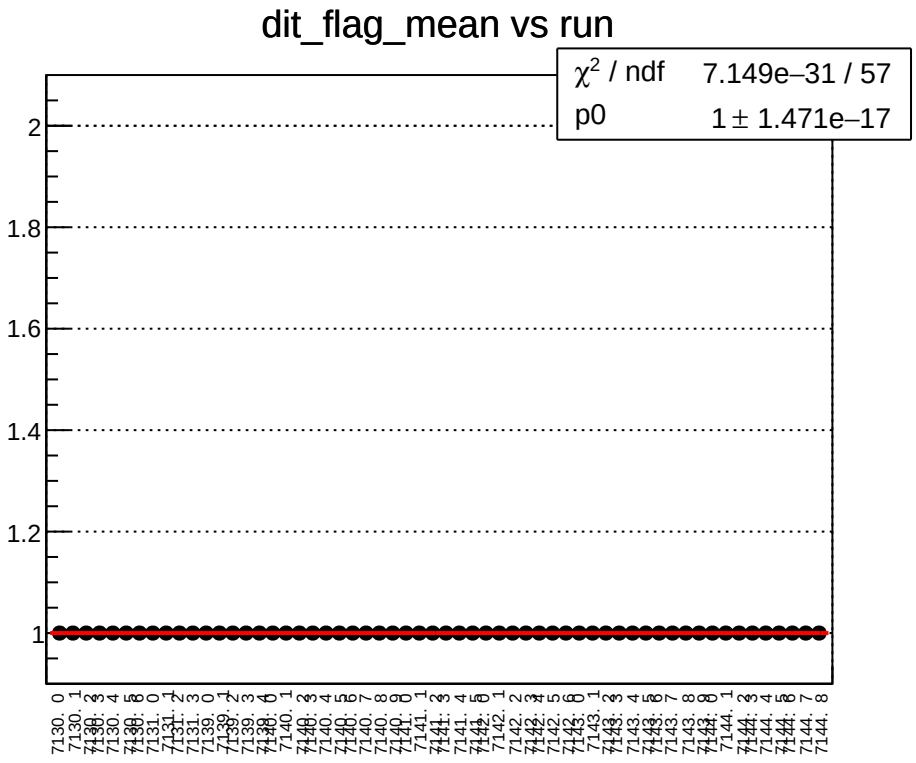
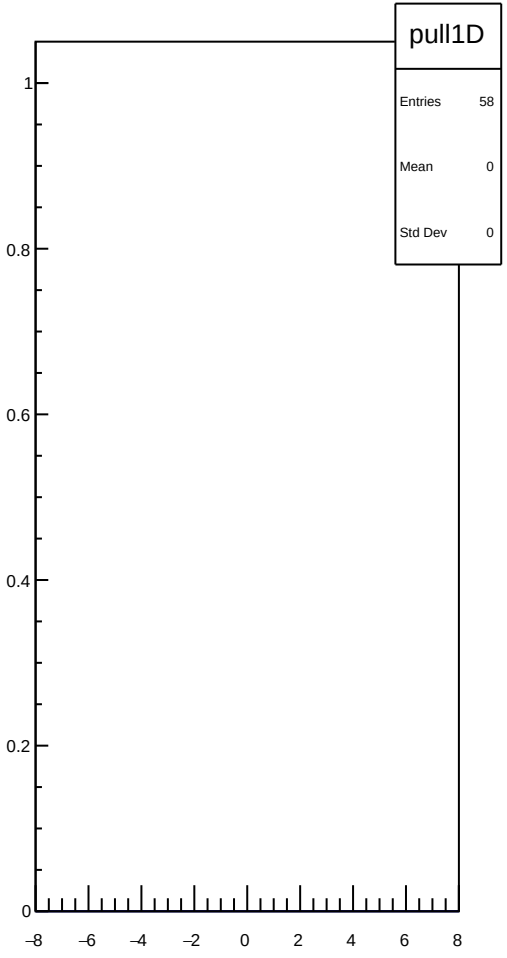
0.8
0.6
0.4
0.2
0


pull1D
Entries 58
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

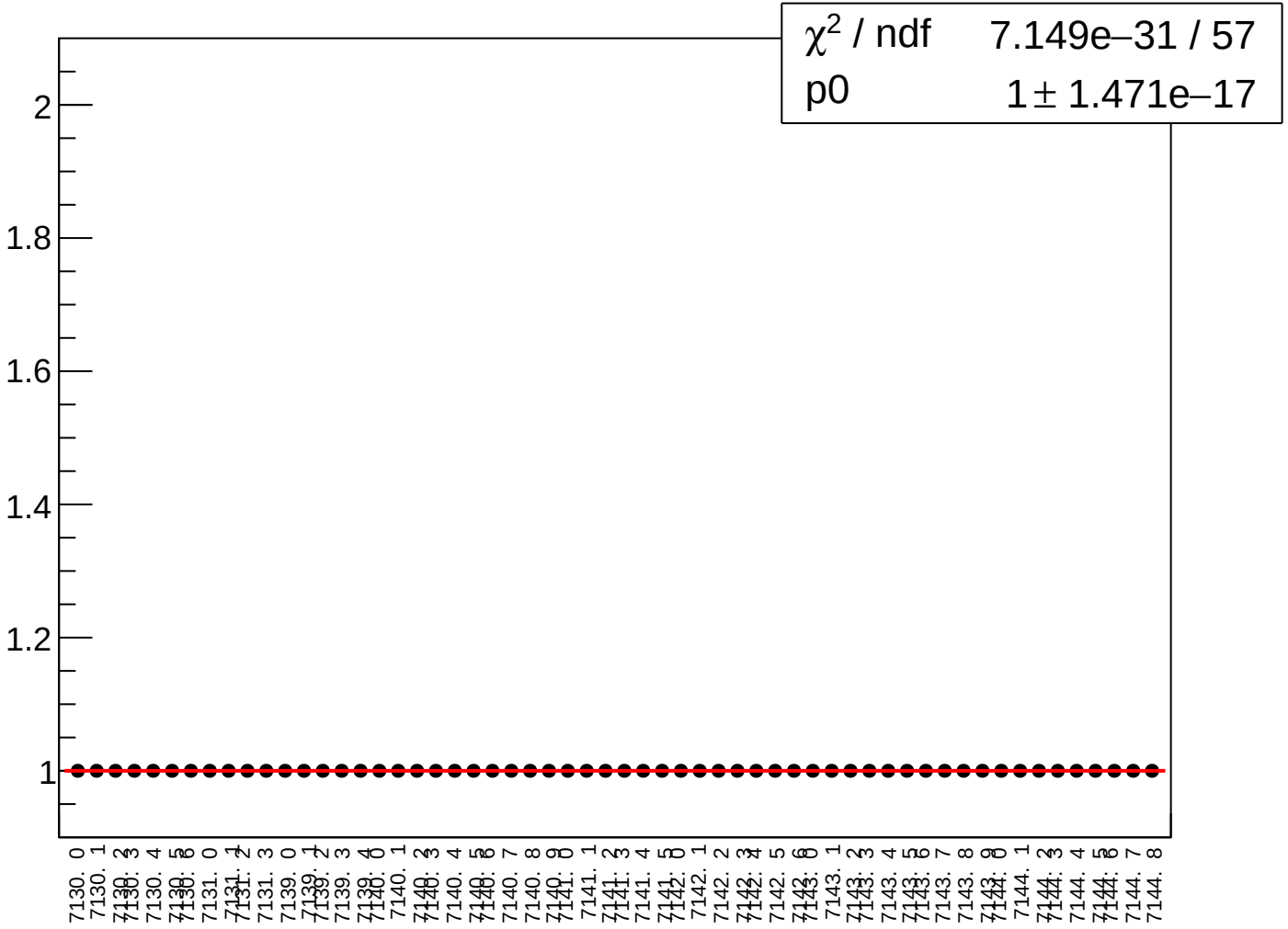
dit_scandata2_rms vs run

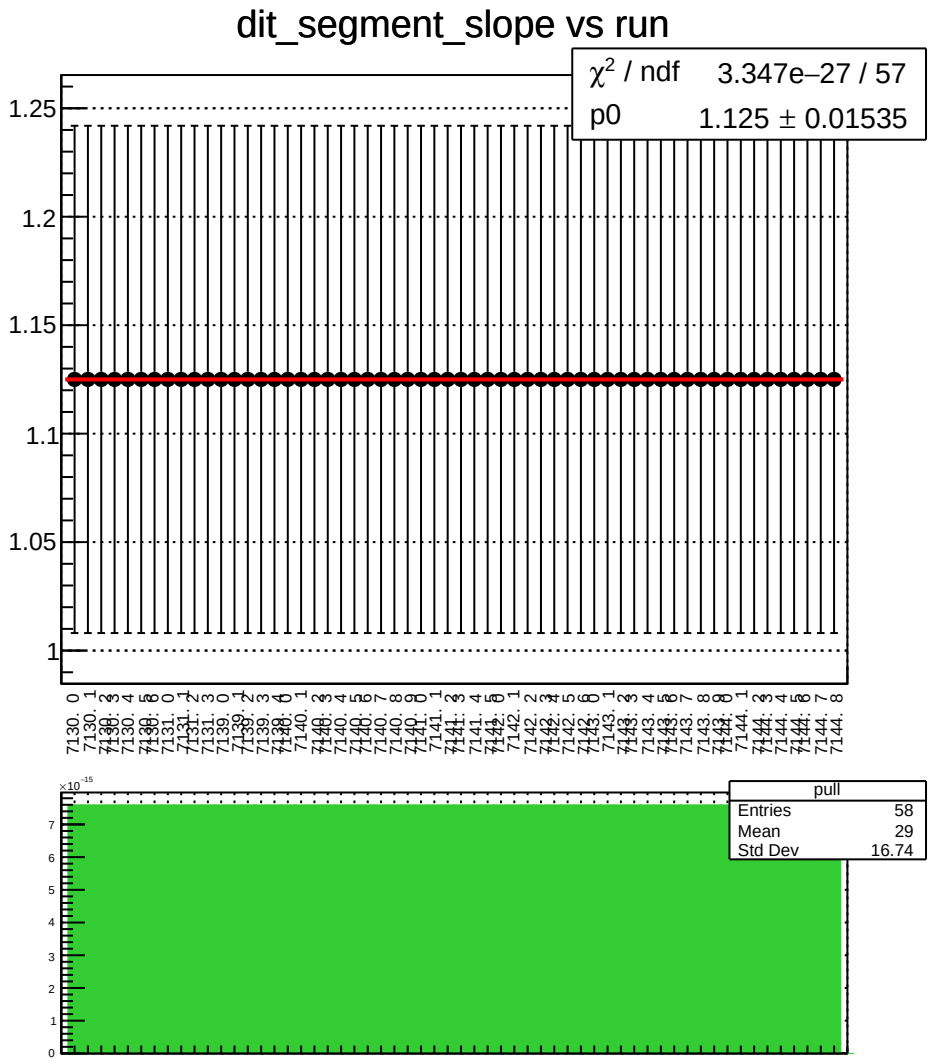


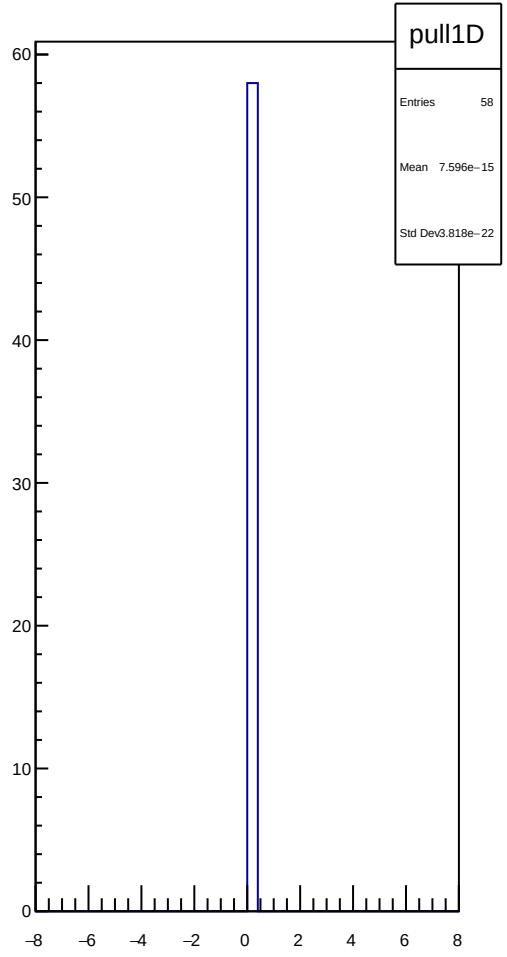

dit_flag_mean vs run
χ^2 / ndf 7.149e−31 / 57
p0 1 ± 1.471e−17
2
1.8
1.6
1.4
1.2
1

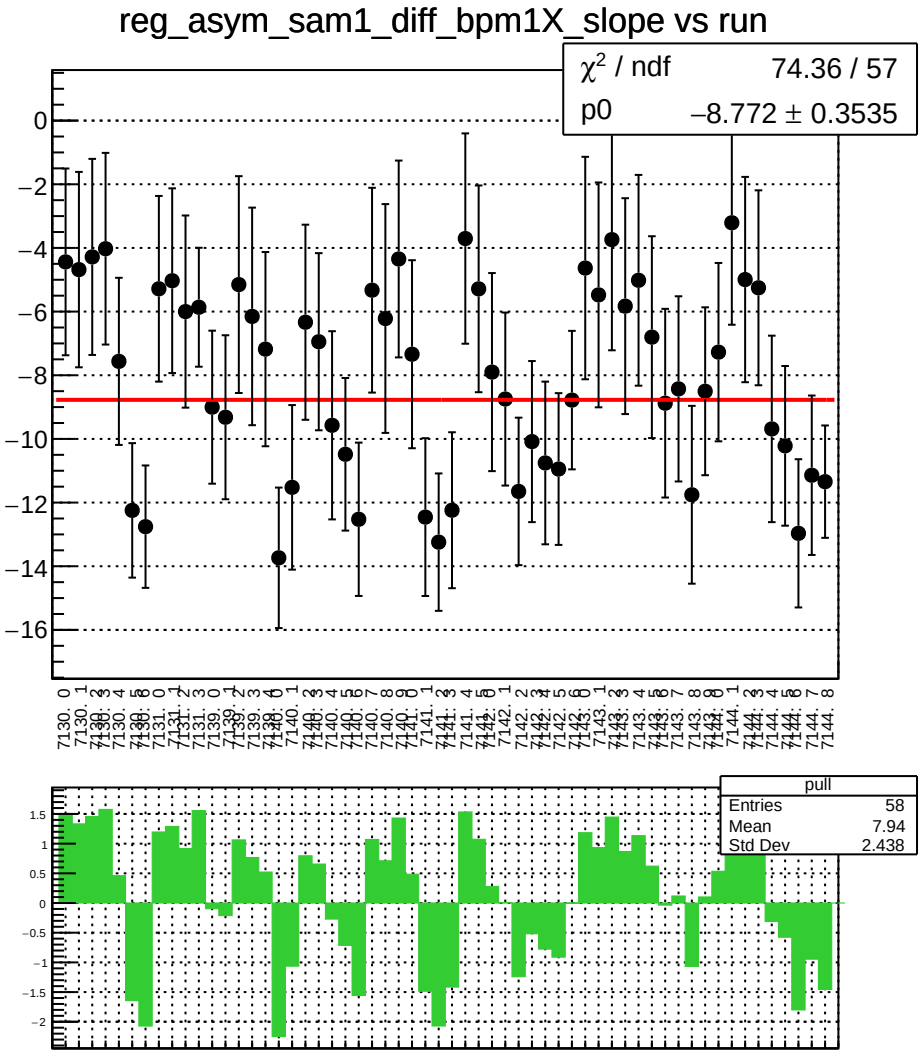

pull1D
Entries 58
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

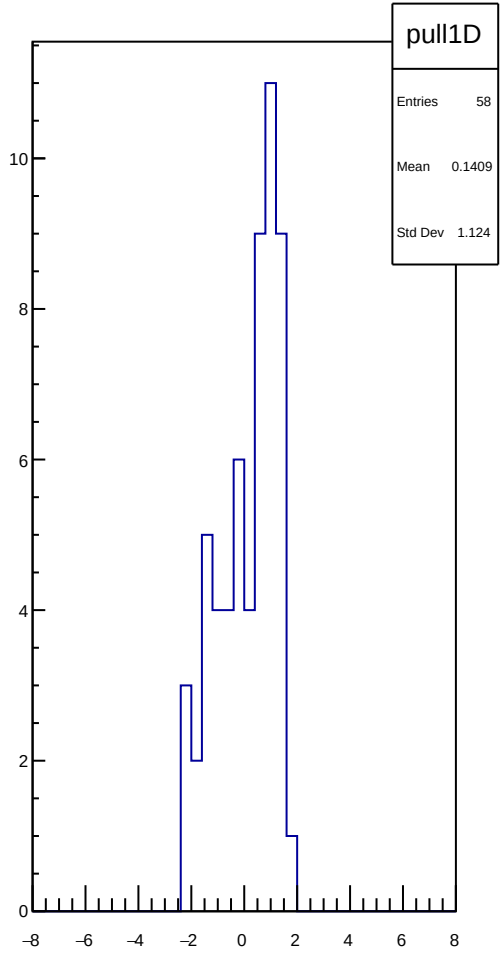
dit_flag_rms vs run

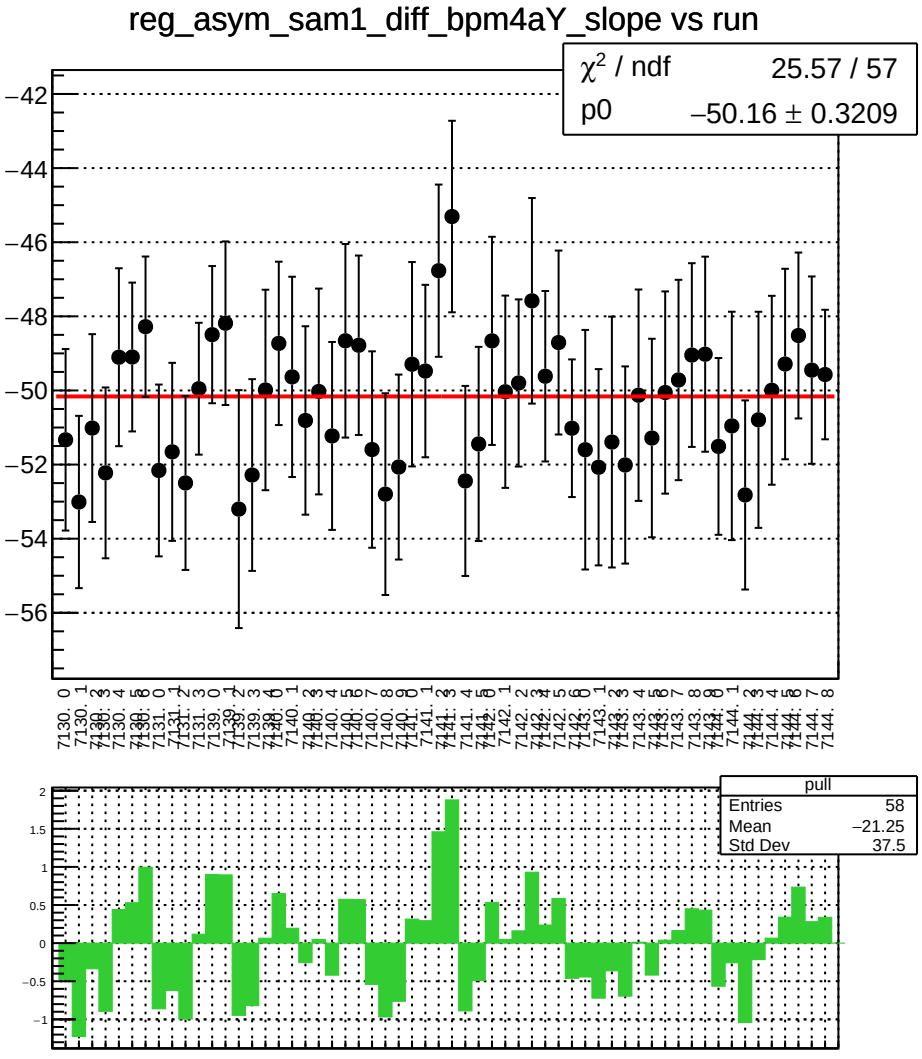


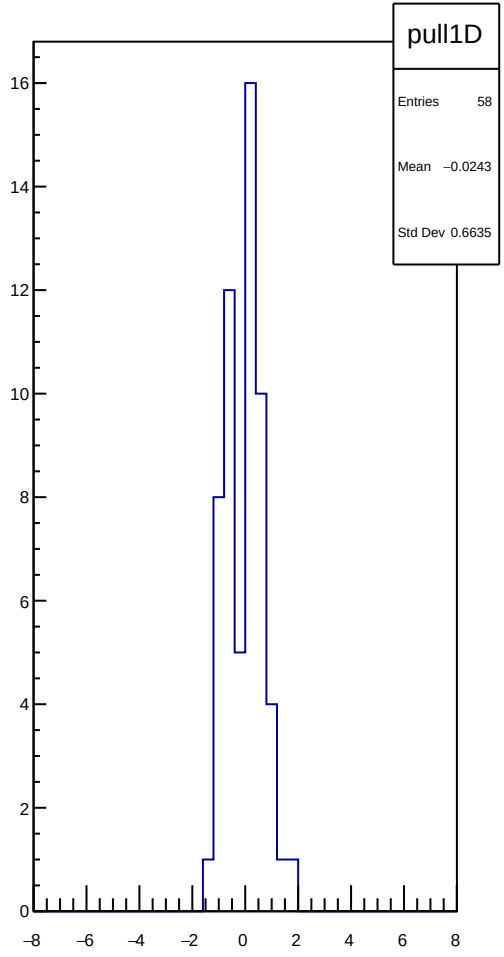

dit_segment_slope vs run
χ^2 / ndf 3.347e−27 / 57
p0 1.125 ± 0.01535
1.25
1.2
1.15
1.1
1.05
1
pull
Entries 58
Mean 29
Std Dev 16.74
×10^−15
7
6
5
4
3
2
1
0

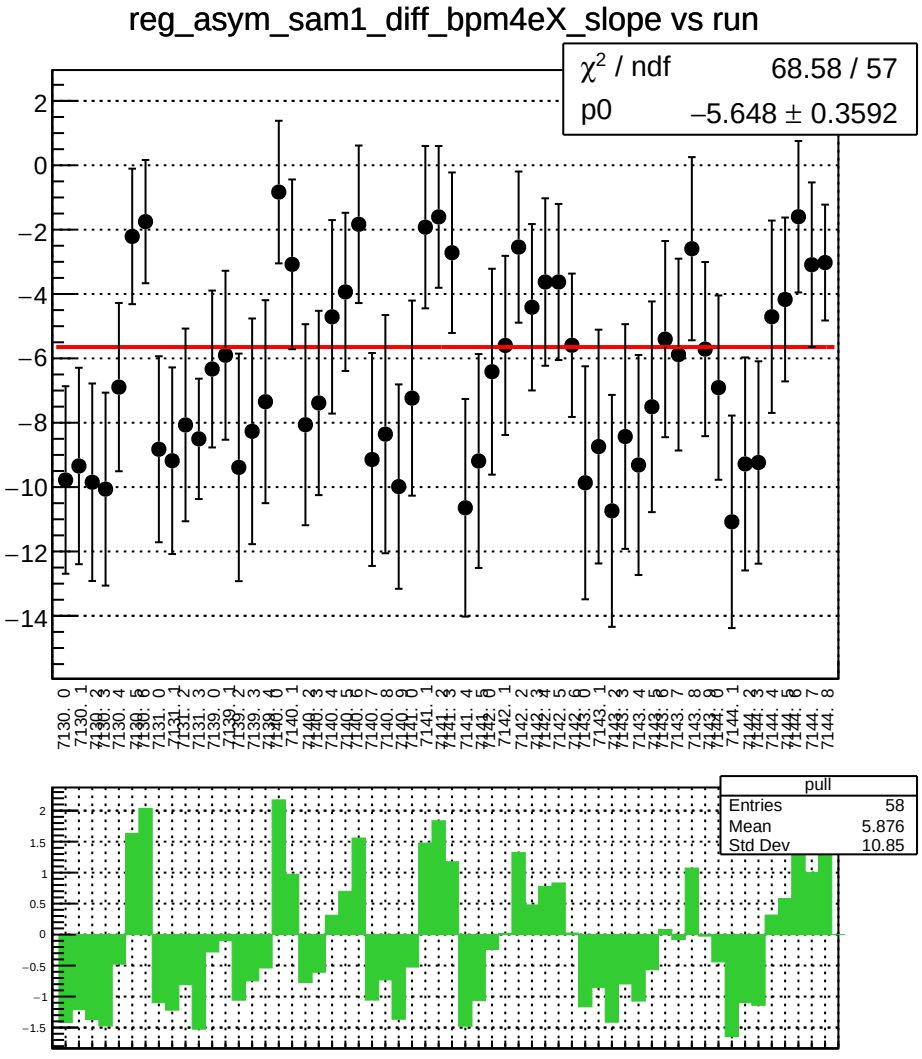

pull1D
Entries 58
Mean 7.596e−15
Std Dev 3.818e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

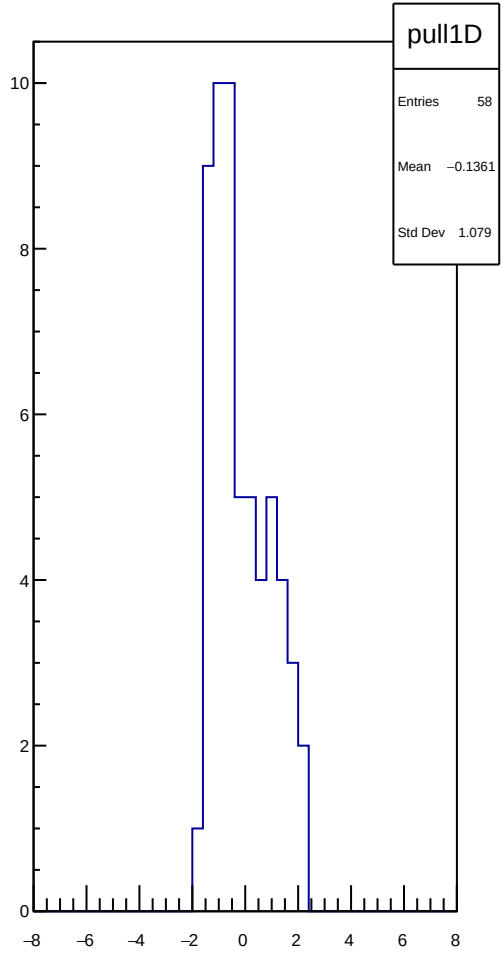

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 74.36 / 57
p0 −8.772 ± 0.3535
pull
Entries 58
Mean 7.94
Std Dev 2.438

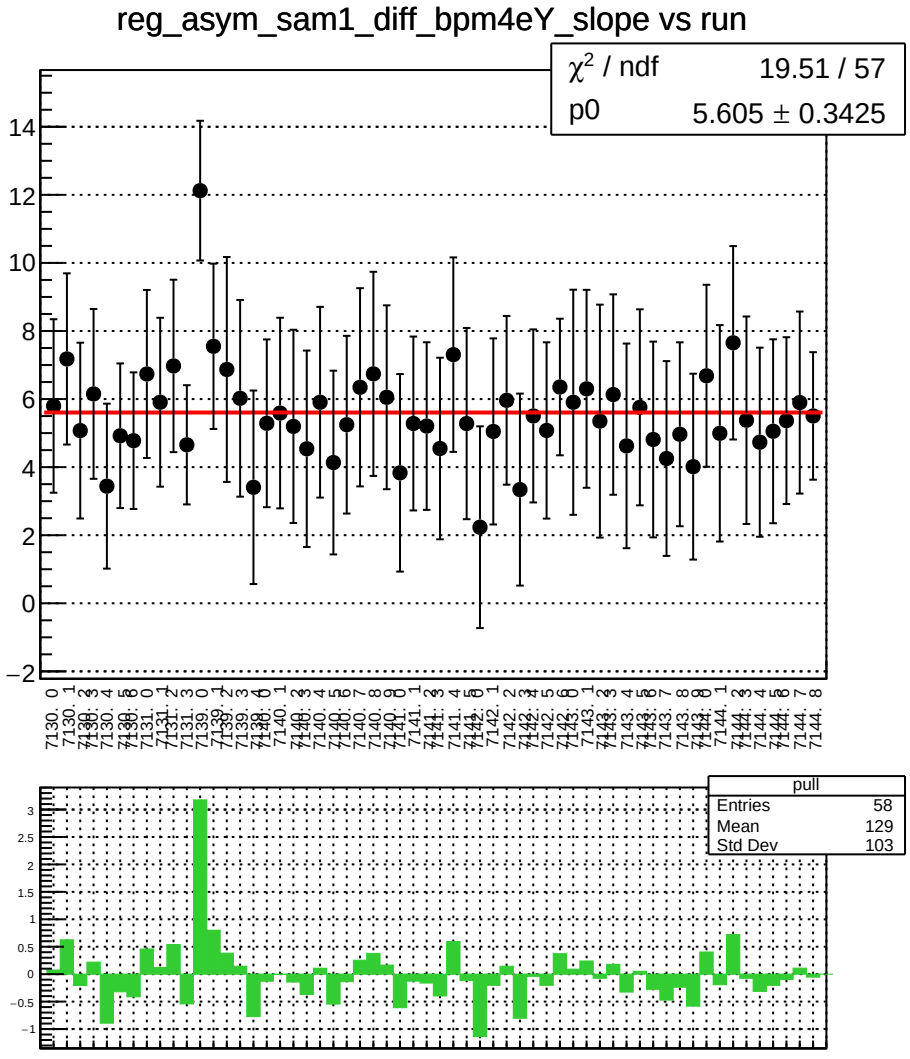

pull1D
Entries 58
Mean 0.1409
Std Dev 1.124

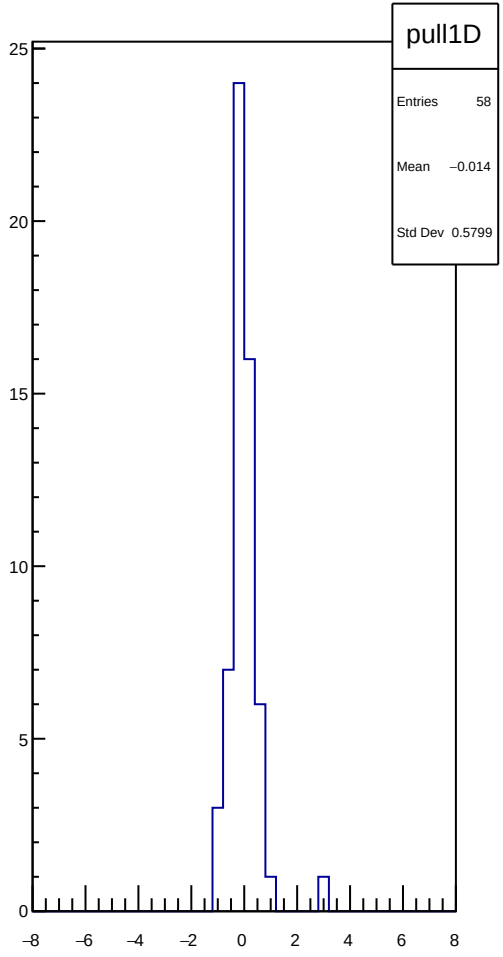

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 25.57 / 57
p0 −50.16 ± 0.3209
pull
Entries 58
Mean −21.25
Std Dev 37.5

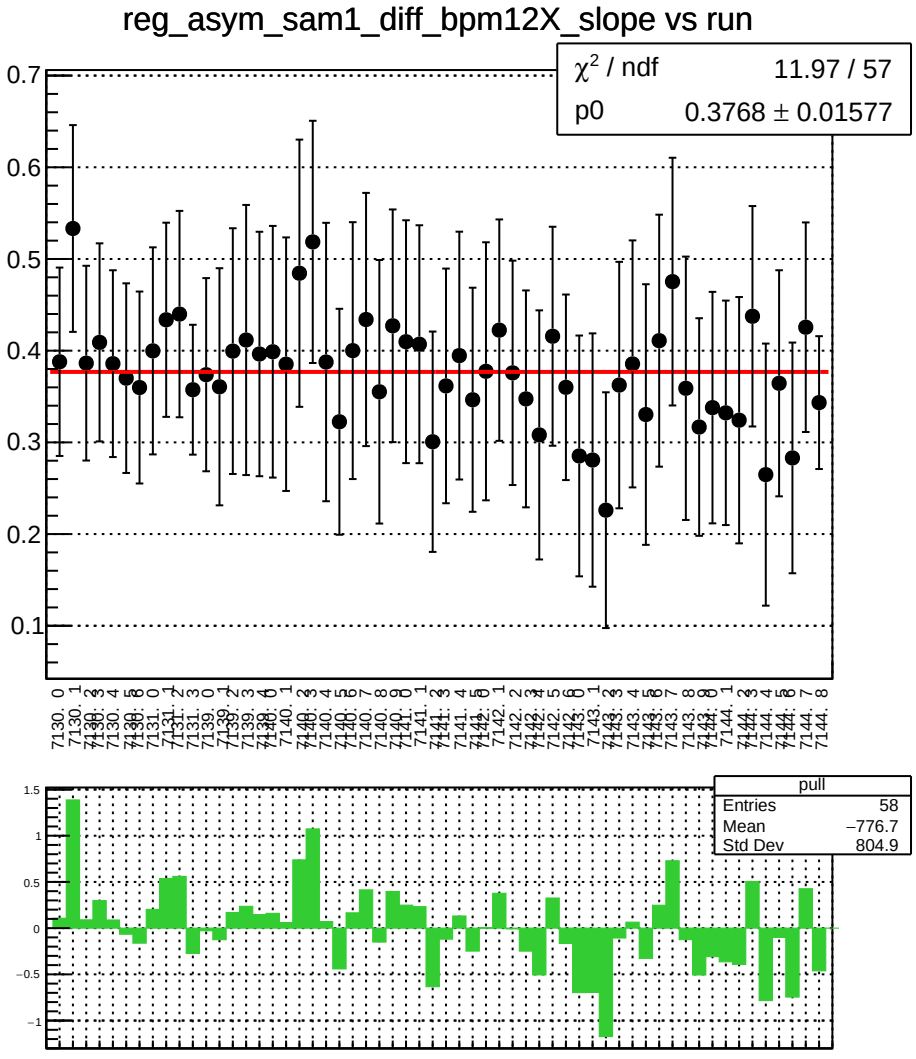

pull1D
Entries 58
Mean −0.0243
Std Dev 0.6635

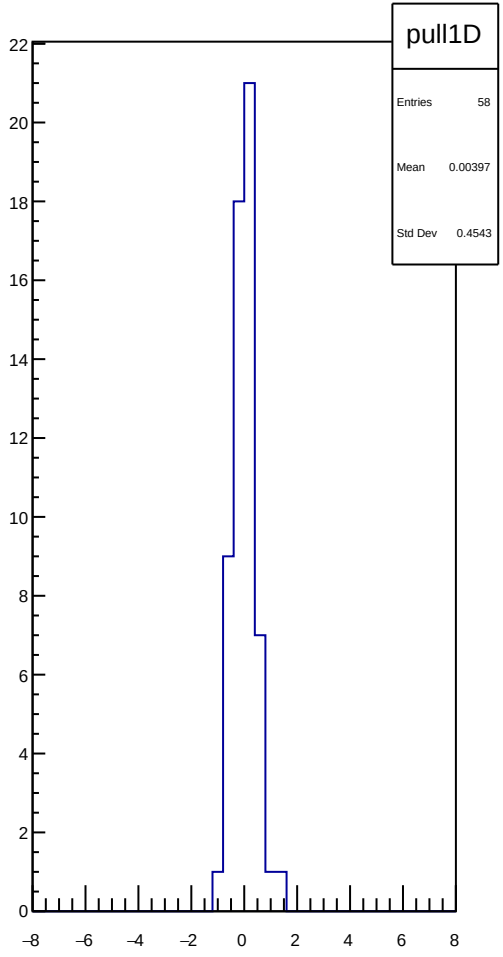

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 68.58 / 57
p0 −5.648 ± 0.3592
pull
Entries 58
Mean 5.876
Std Dev 10.85

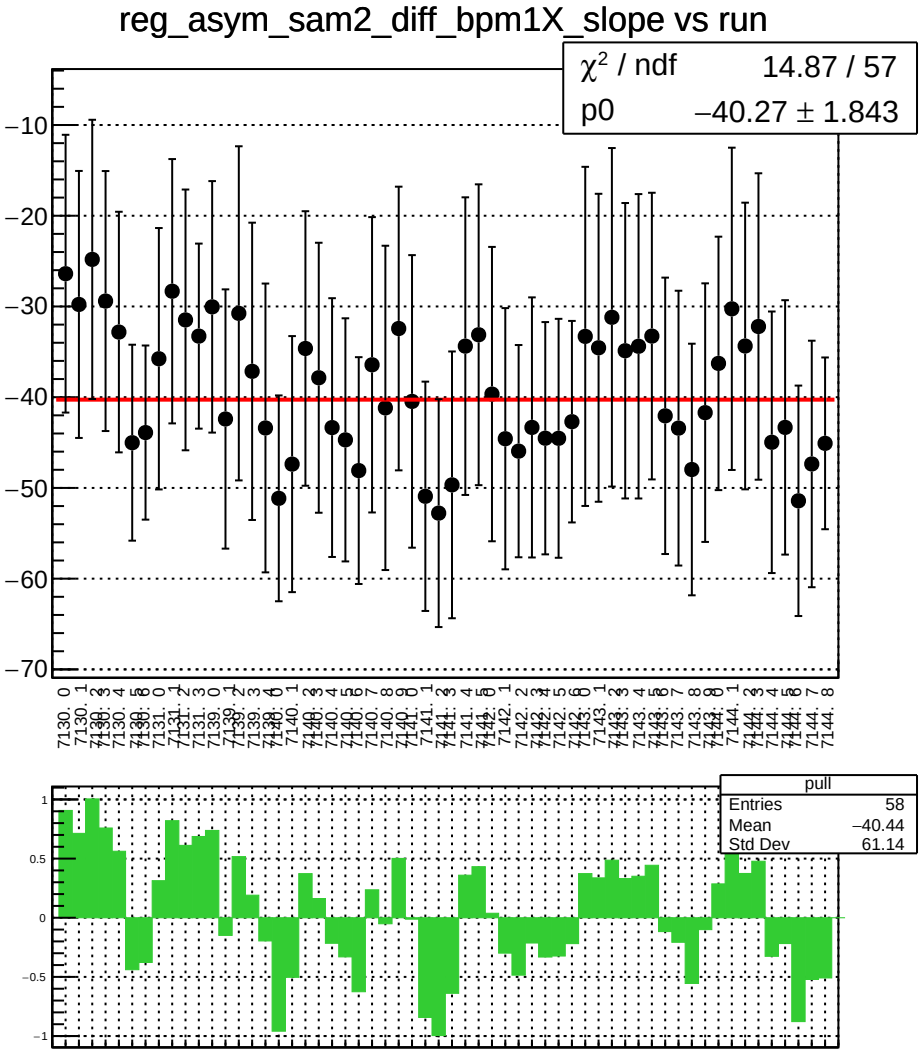

pull1D
Entries 58
Mean −0.1361
Std Dev 1.079

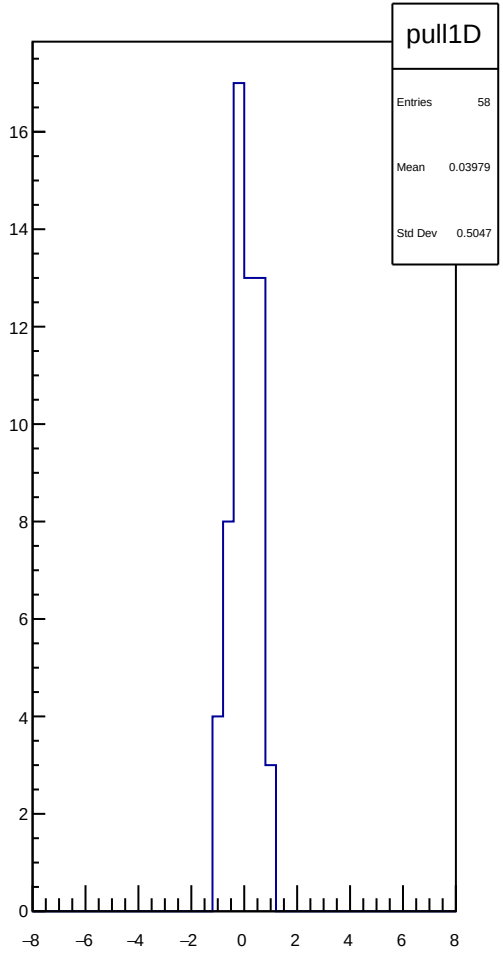

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 19.51 / 57
p0 5.605 ± 0.3425
pull
Entries 58
Mean 129
Std Dev 103

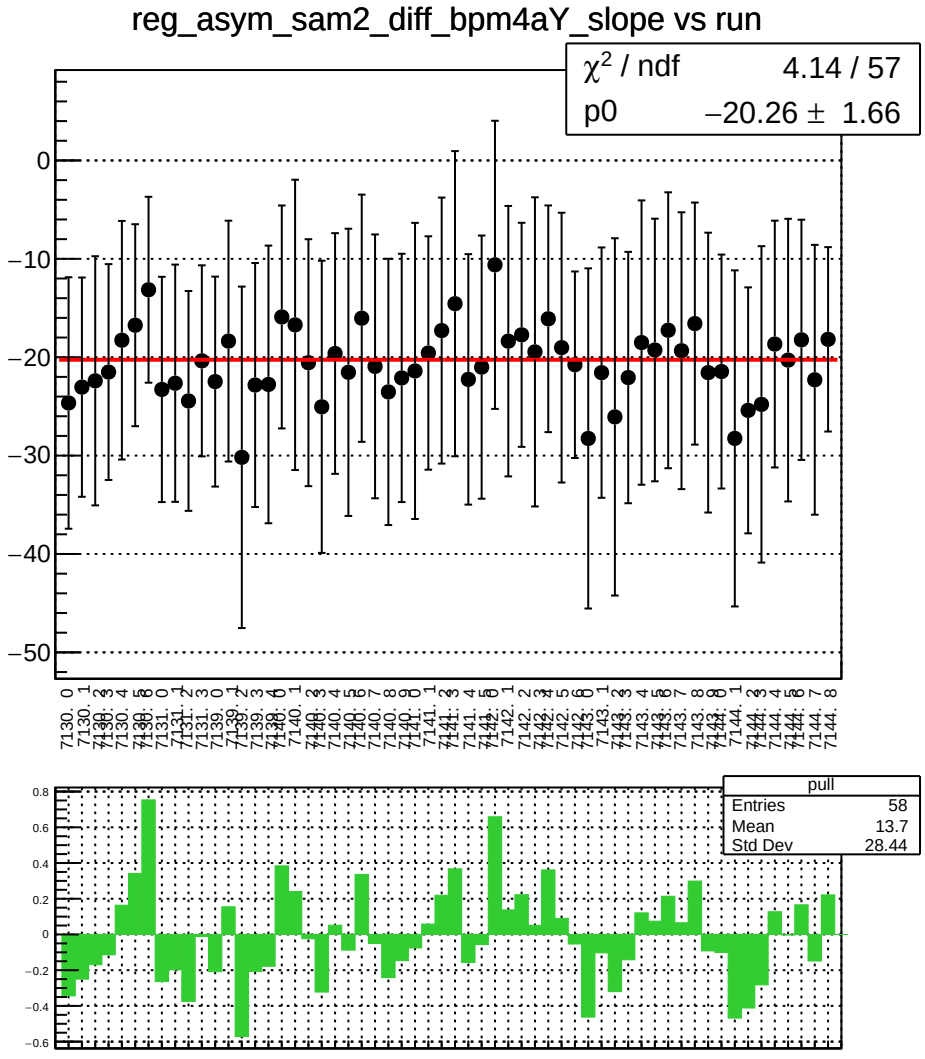

pull1D
Entries 58
Mean −0.014
Std Dev 0.5799

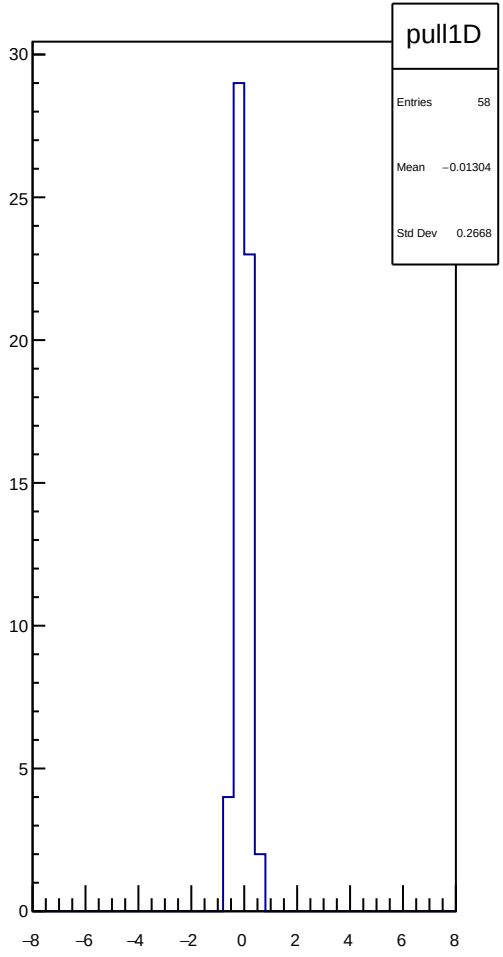

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 11.97 / 57
p0 0.3768 ± 0.01577
pull
Entries 58
Mean −776.7
Std Dev 804.9

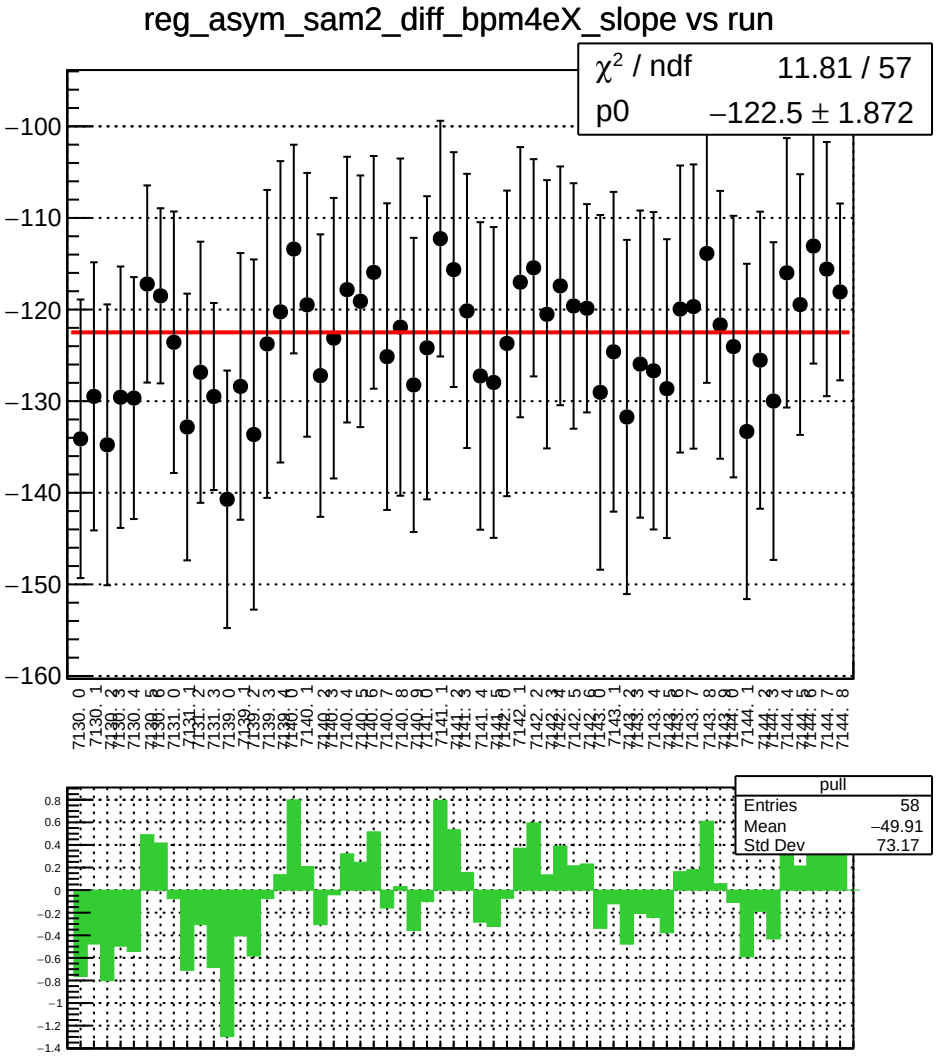

pull1D
Entries 58
Mean 0.00397
Std Dev 0.4543

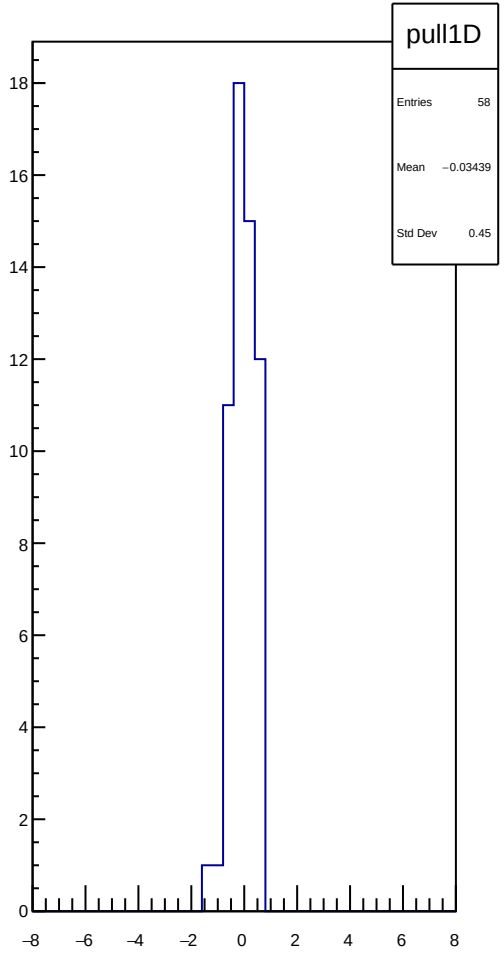

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 14.87 / 57
p0 −40.27 ± 1.843
pull
Entries 58
Mean −40.44
Std Dev 61.14

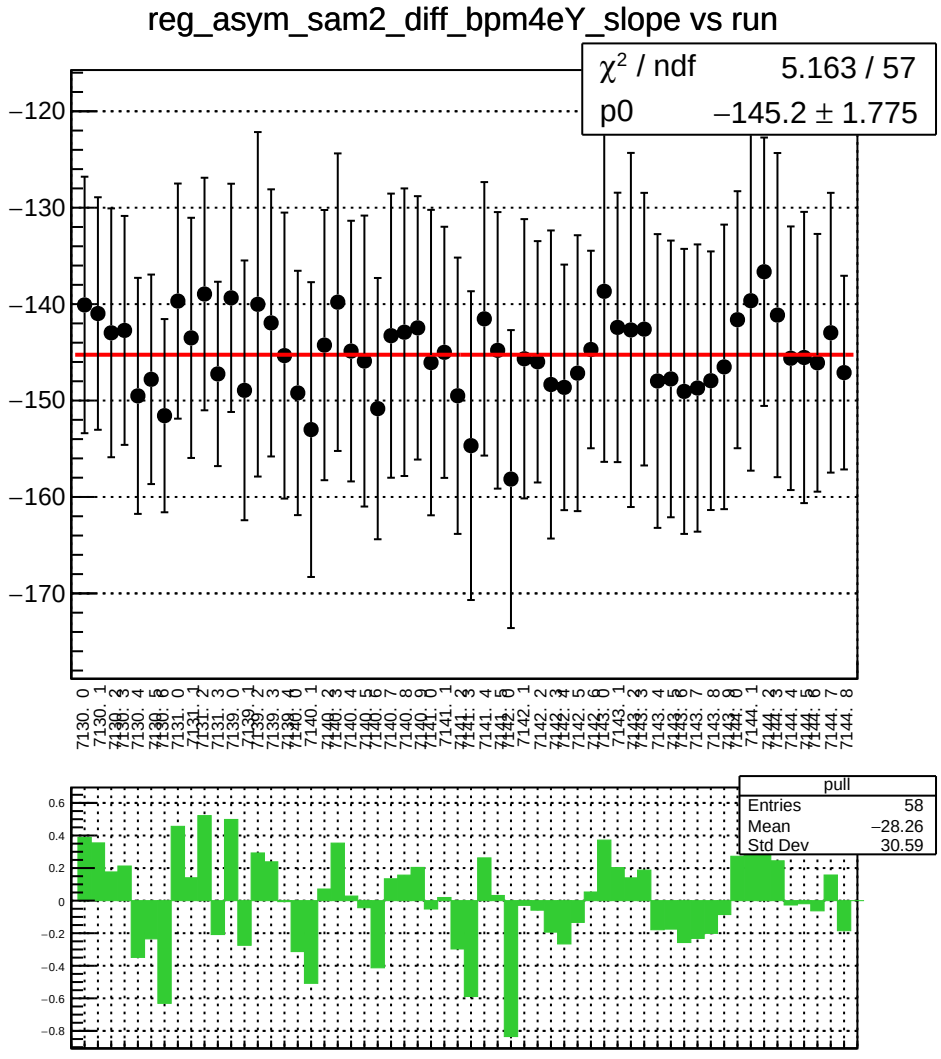

pull1D
Entries 58
Mean 0.03979
Std Dev 0.5047

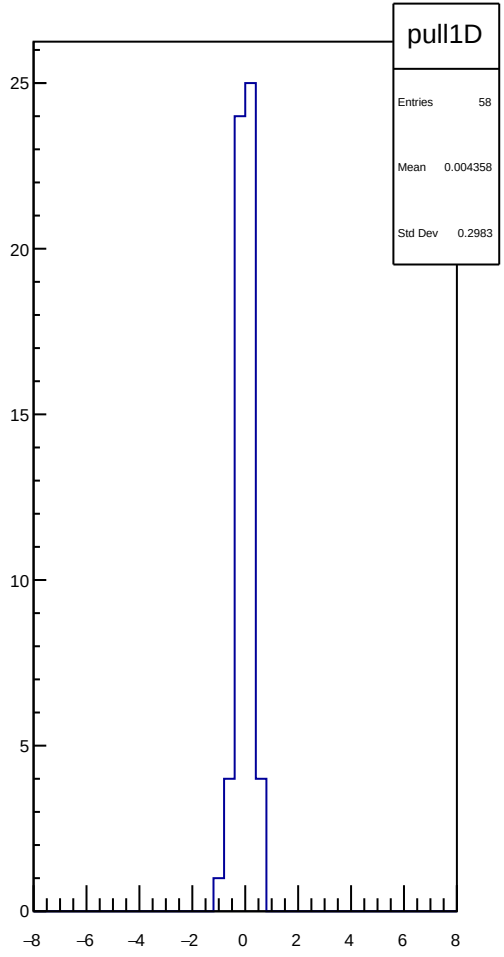

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.14 / 57
p0 −20.26 ± 1.66
pull
Entries 58
Mean 13.7
Std Dev 28.44

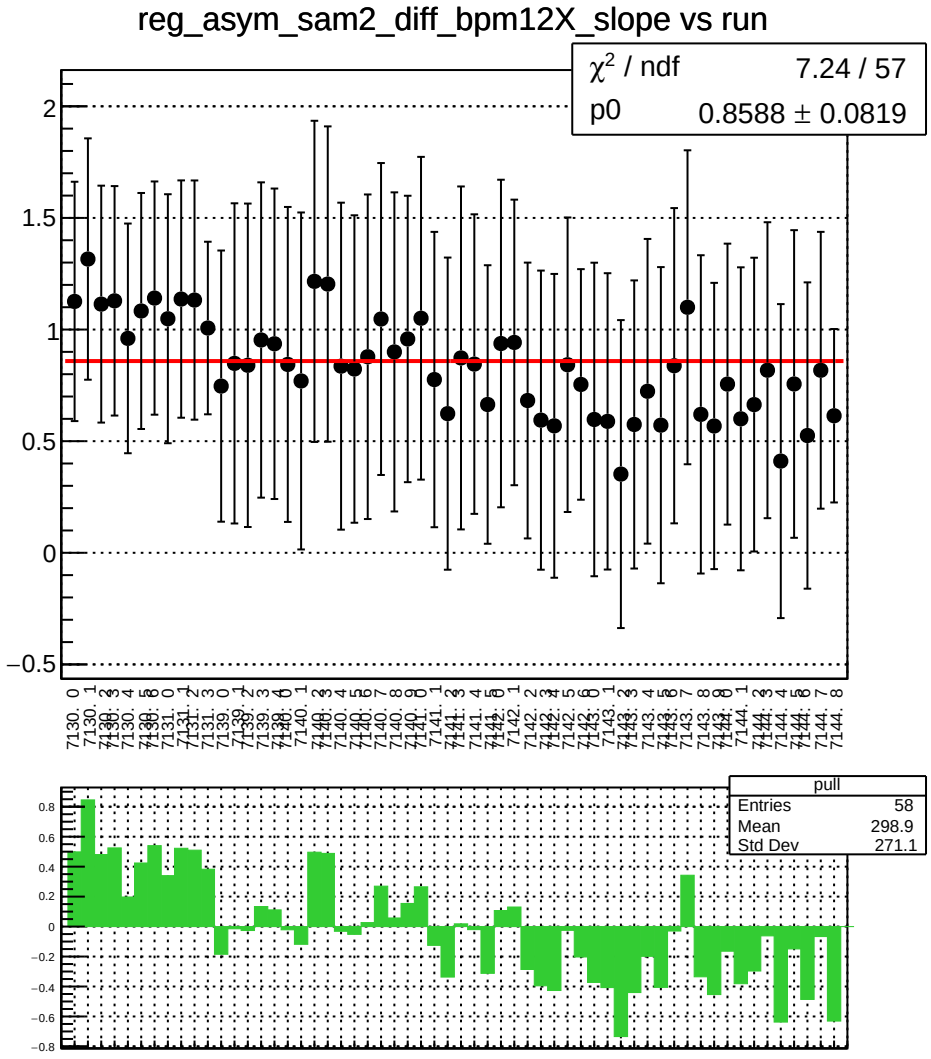

pull1D
Entries 58
Mean −0.01304
Std Dev 0.2668

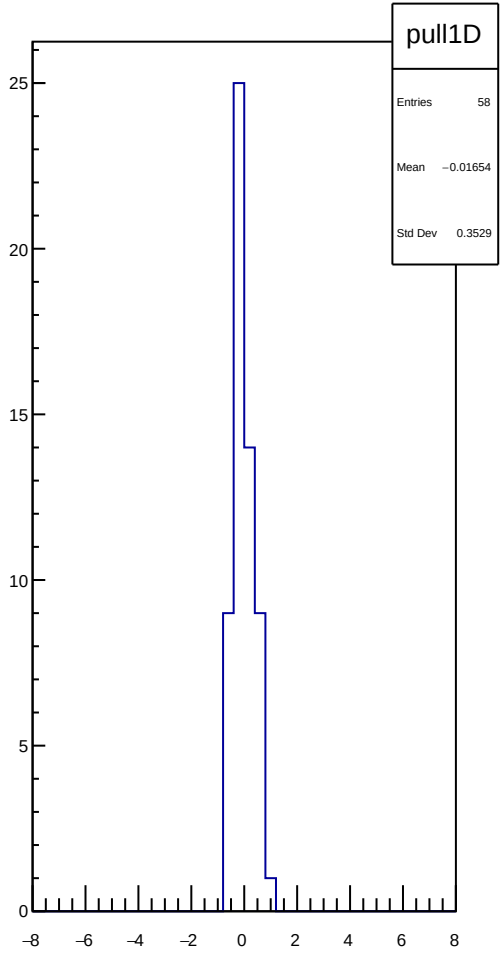

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 11.81 / 57
p0 −122.5 ± 1.872
pull
Entries 58
Mean −49.91
Std Dev 73.17

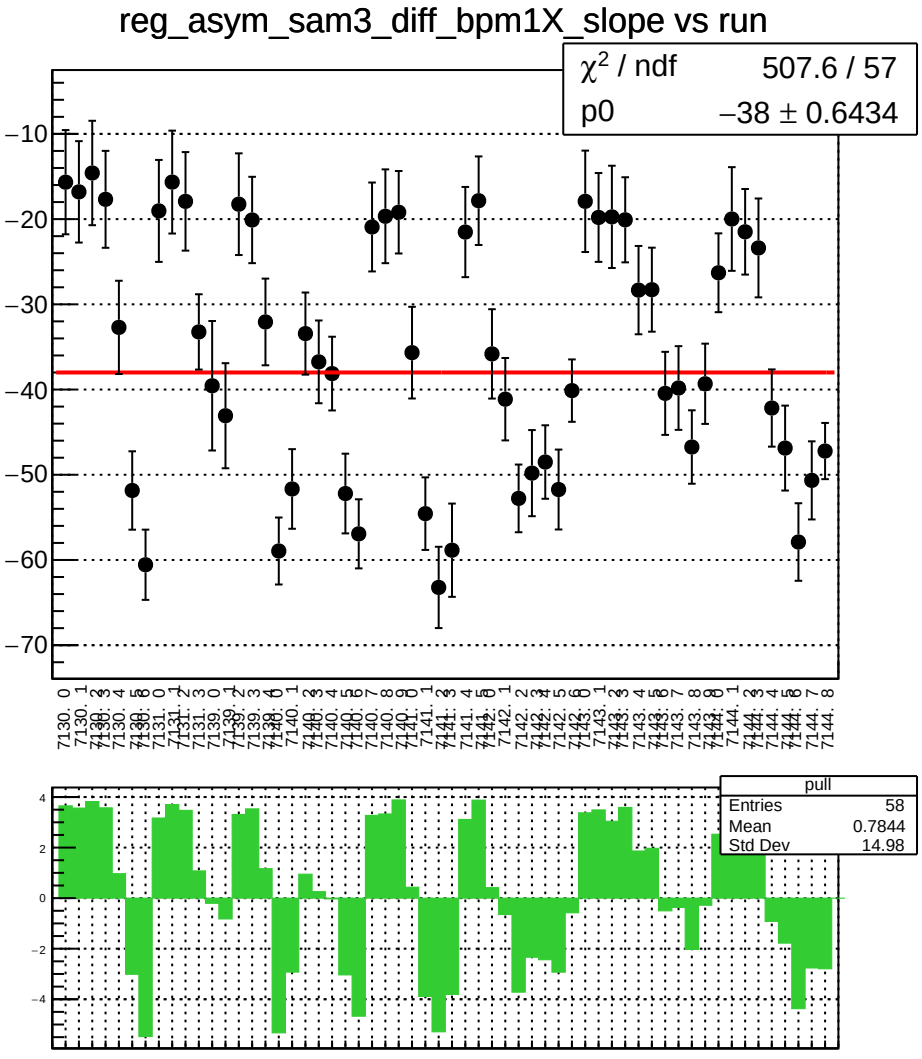

pull1D
Entries 58
Mean −0.03439
Std Dev 0.45

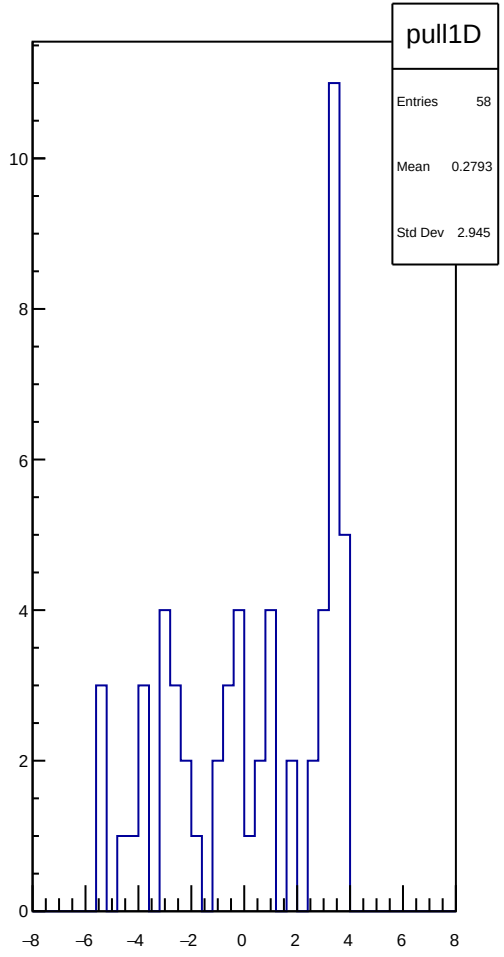

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 5.163 / 57
p0 −145.2 ± 1.775
pull
Entries 58
Mean −28.26
Std Dev 30.59

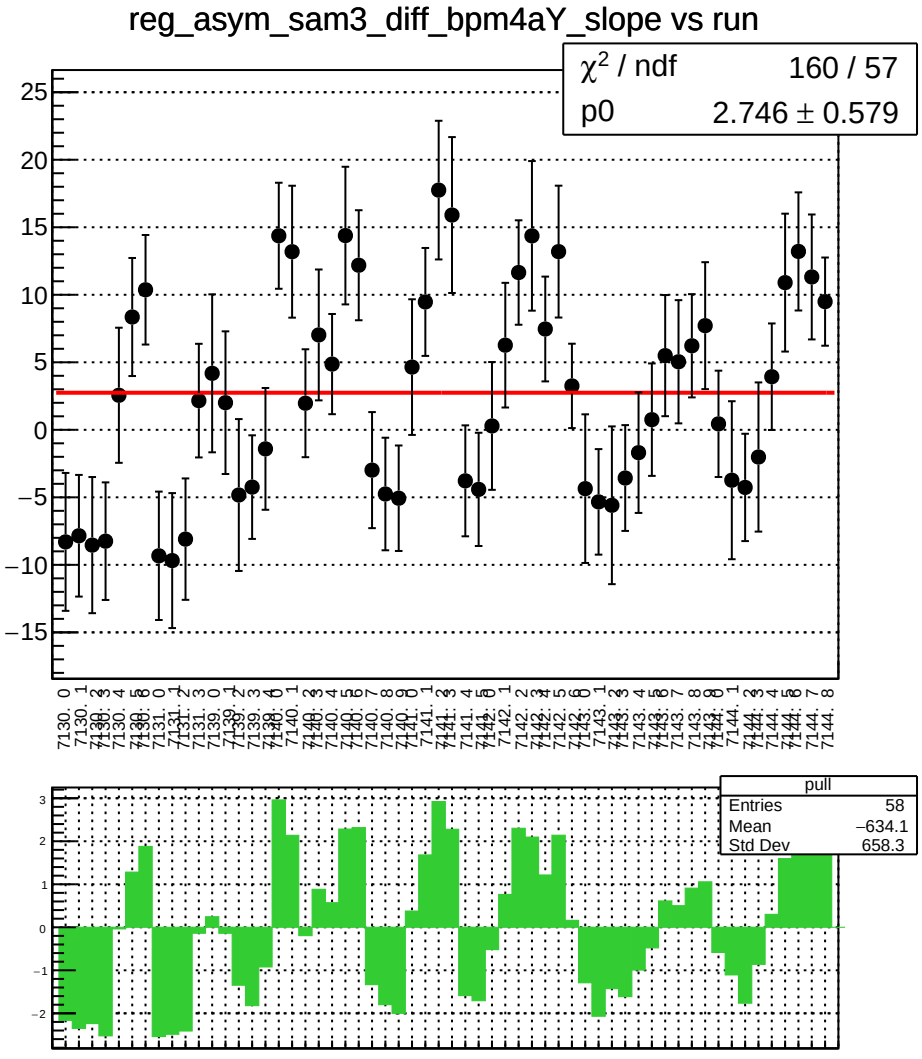

pull1D
Entries 58
Mean 0.004358
Std Dev 0.2983

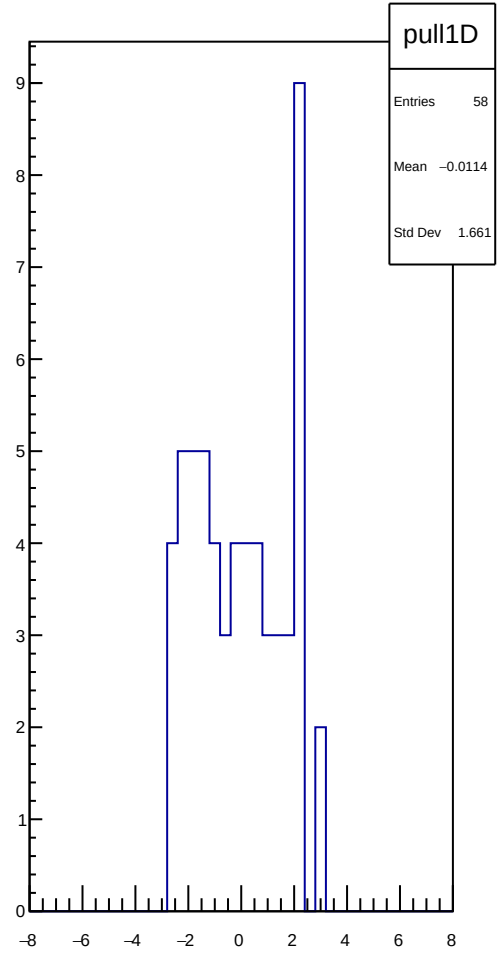

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 7.24 / 57
p0 0.8588 ± 0.0819
pull
Entries 58
Mean 298.9
Std Dev 271.1

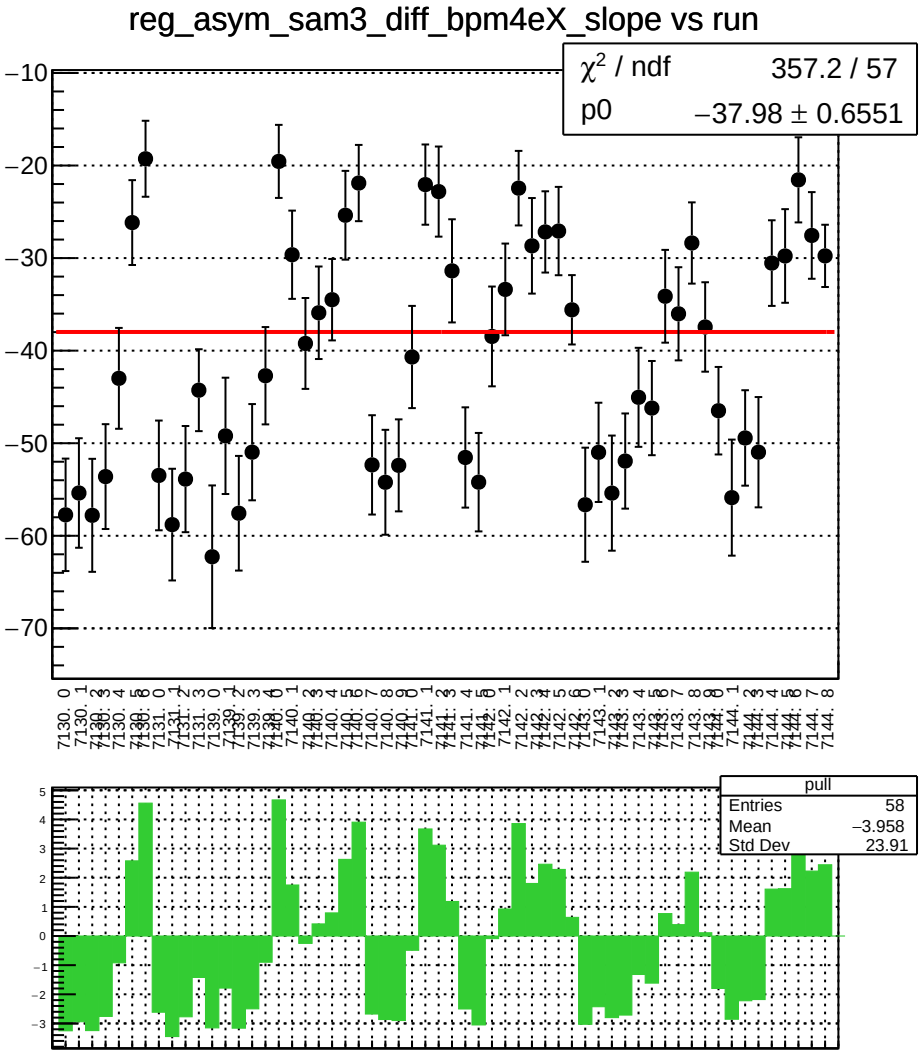

pull1D
Entries 58
Mean −0.01654
Std Dev 0.3529

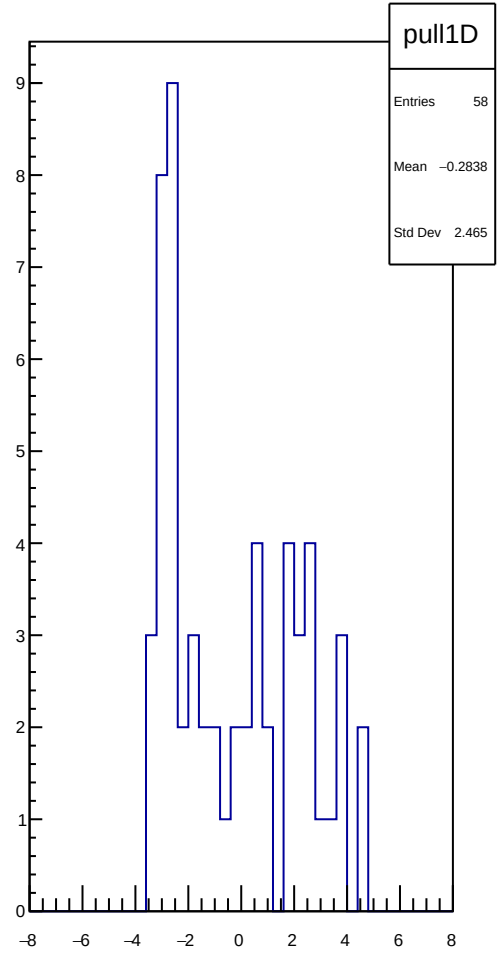

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 507.6 / 57
p0 −38 ± 0.6434
pull
Entries 58
Mean 0.7844
Std Dev 14.98

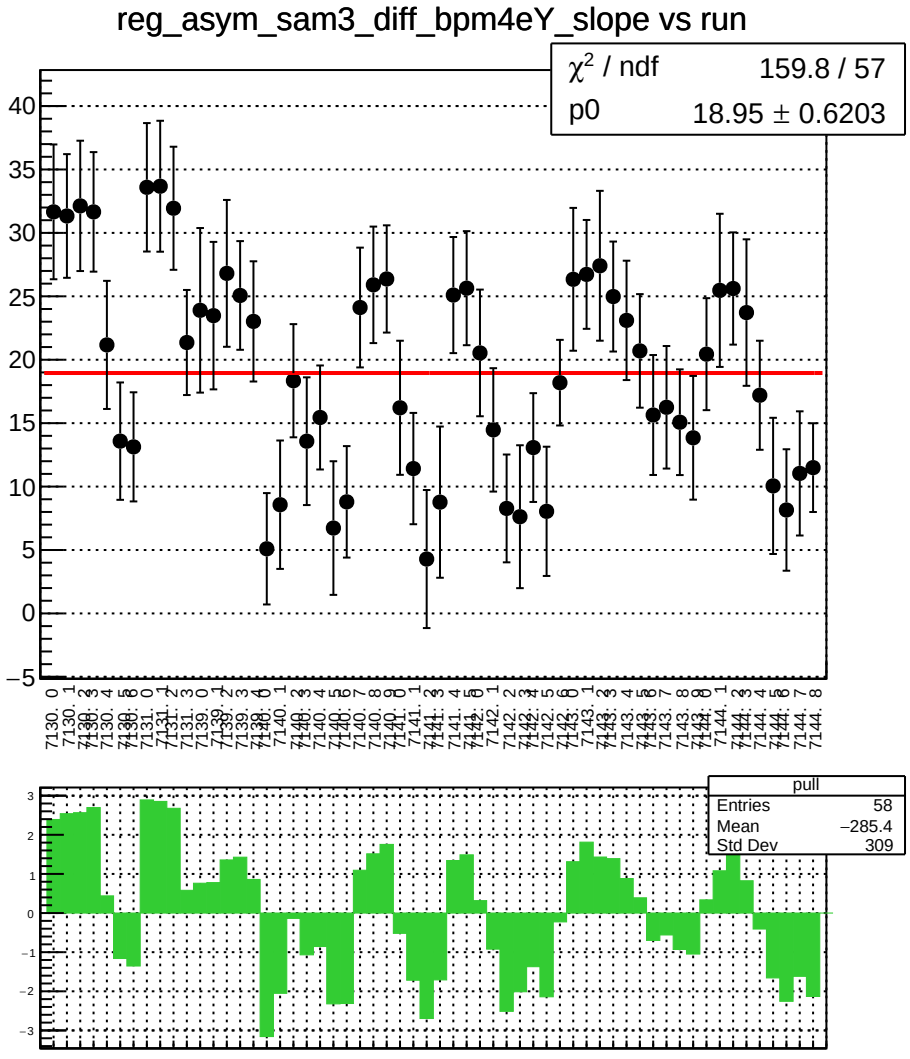

pull1D
Entries 58
Mean 0.2793
Std Dev 2.945

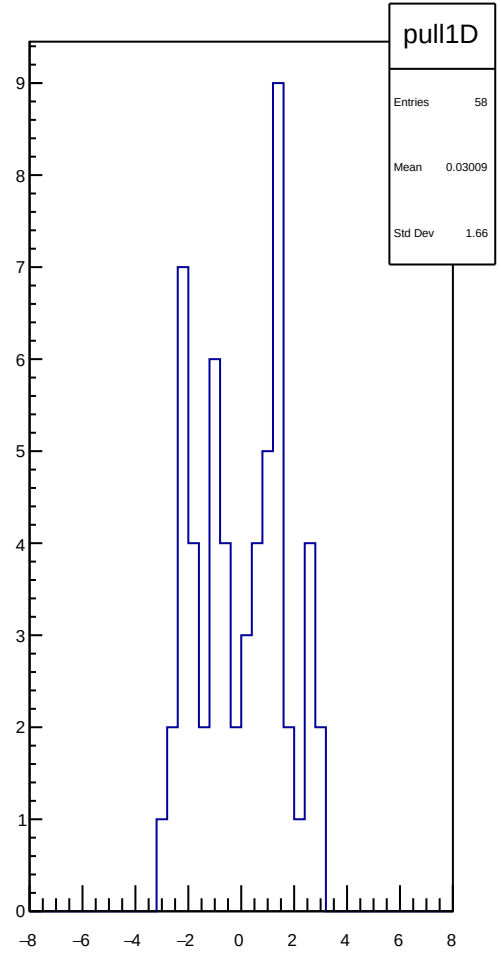

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 160 / 57
p0 2.746 ± 0.579
pull
Entries 58
Mean −634.1
Std Dev 658.3

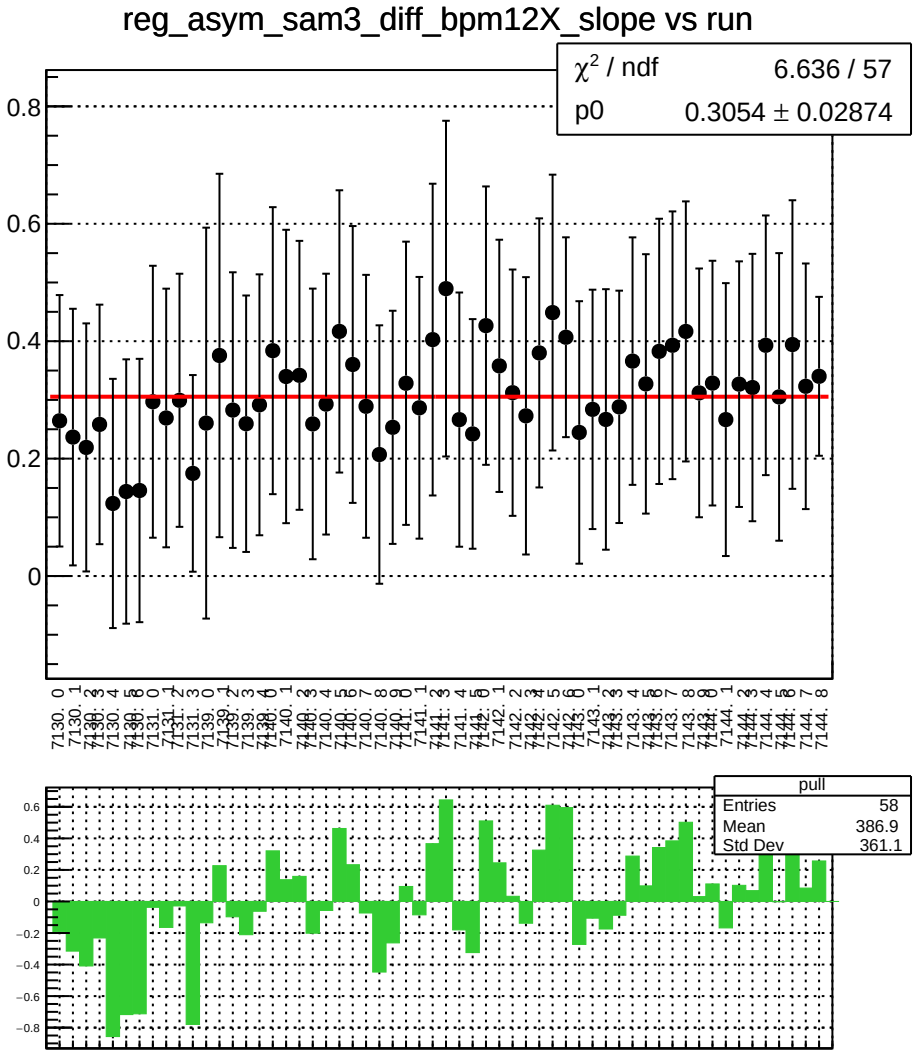

pull1D
Entries 58
Mean −0.0114
Std Dev 1.661

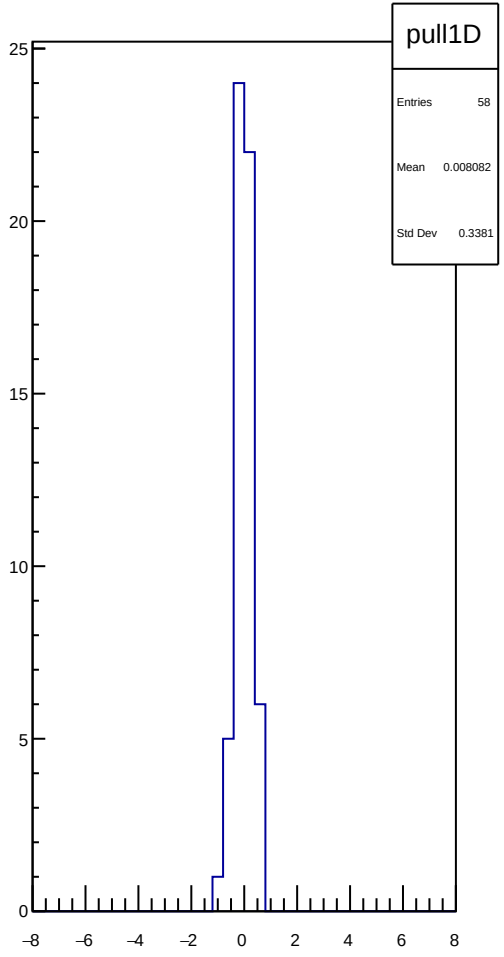

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 357.2 / 57
p0 −37.98 ± 0.6551
pull
Entries 58
Mean −3.958
Std Dev 23.91

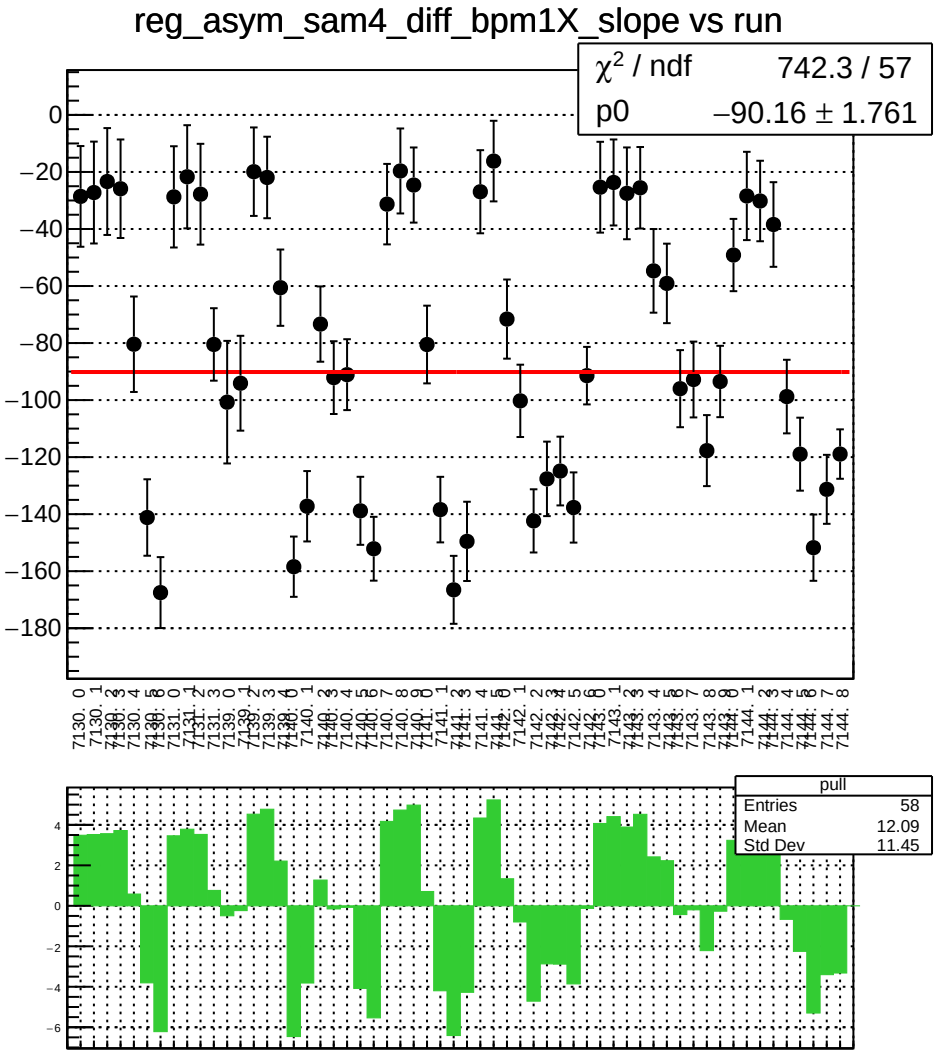

pull1D
Entries 58
Mean −0.2838
Std Dev 2.465

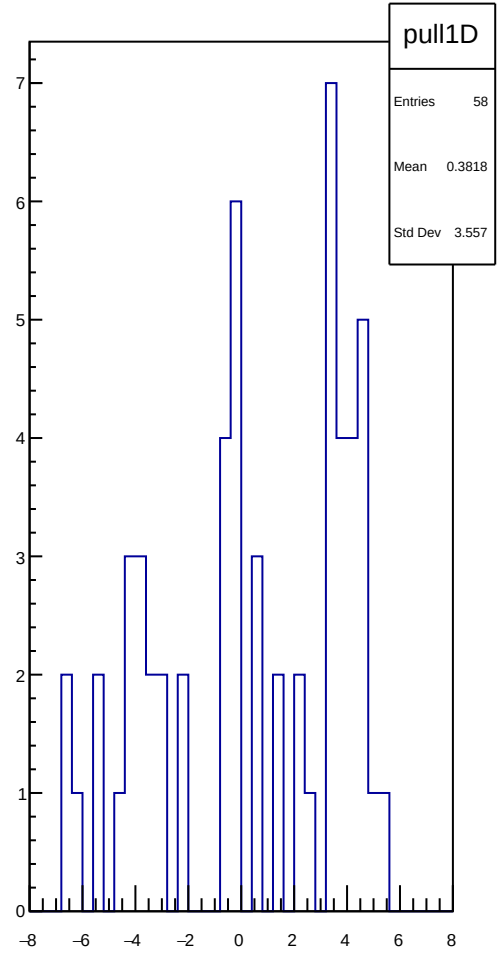

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 159.8 / 57
p0 18.95 ± 0.6203
pull
Entries 58
Mean −285.4
Std Dev 309

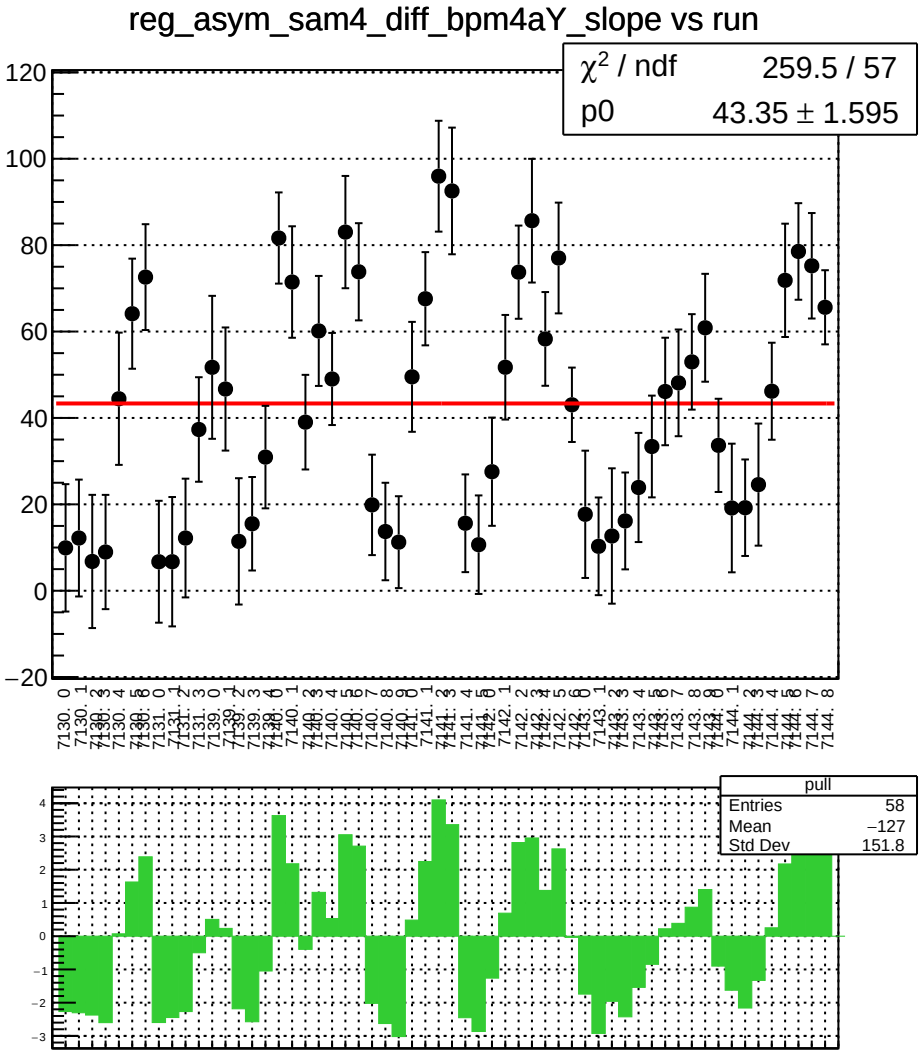

pull1D
Entries 58
Mean 0.03009
Std Dev 1.66

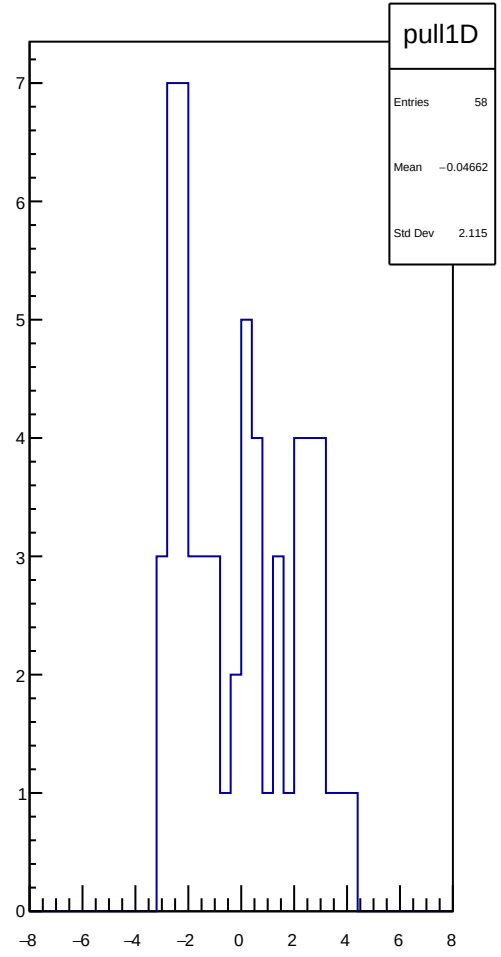

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 6.636 / 57
p0 0.3054 ± 0.02874
pull
Entries 58
Mean 386.9
Std Dev 361.1

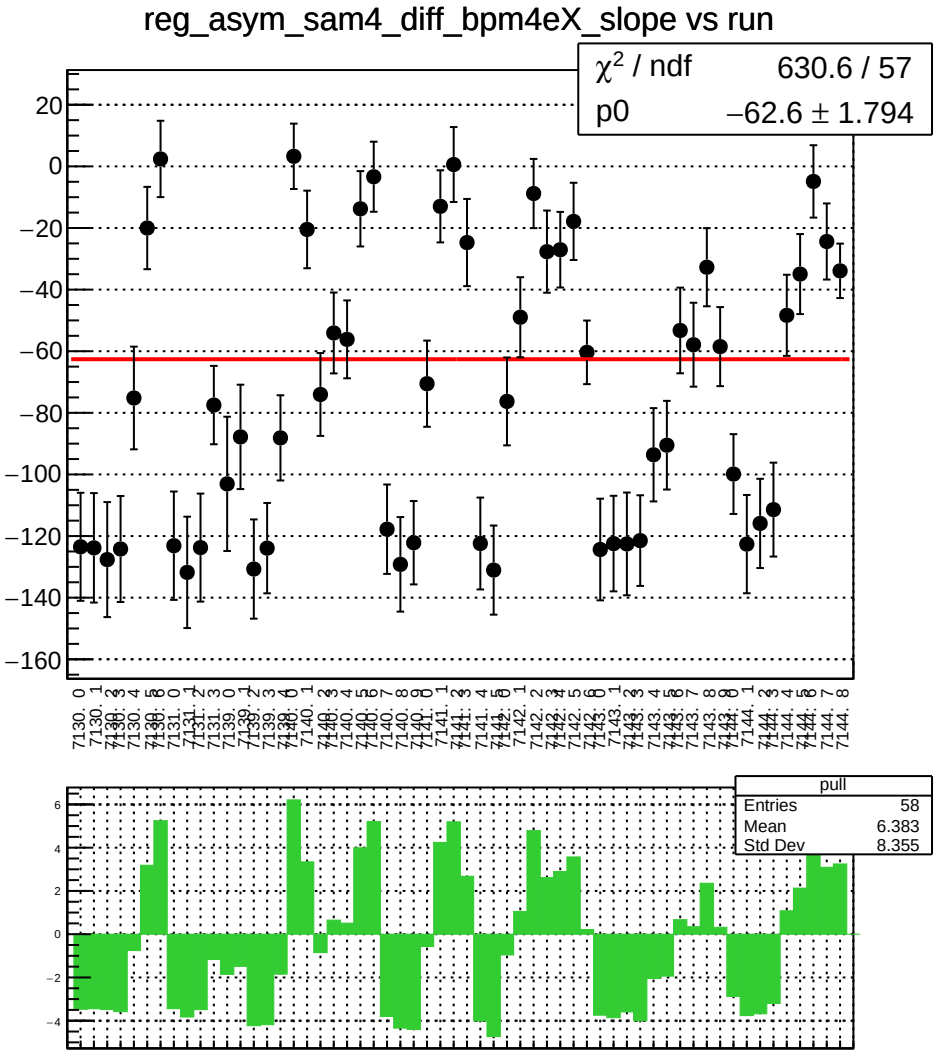

pull1D
Entries 58
Mean 0.008082
Std Dev 0.3381

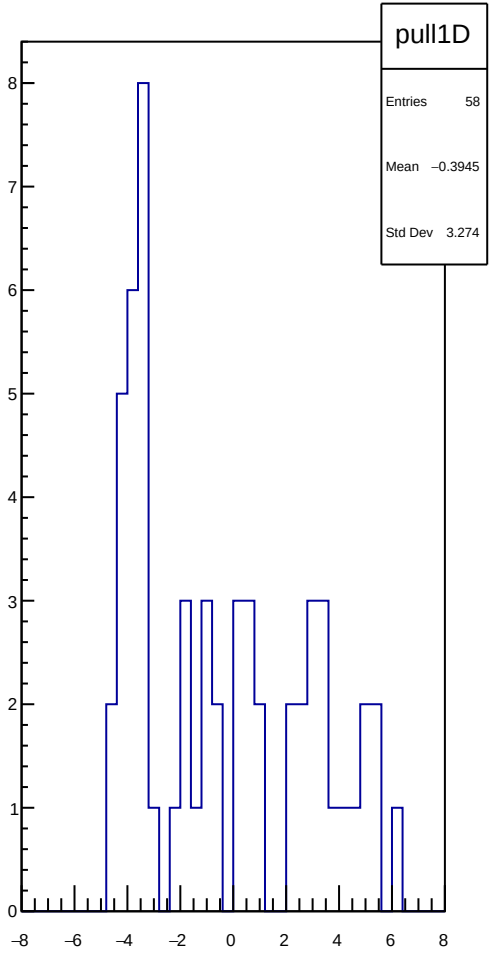

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 742.3 / 57
p0 −90.16 ± 1.761
pull
Entries 58
Mean 12.09
Std Dev 11.45

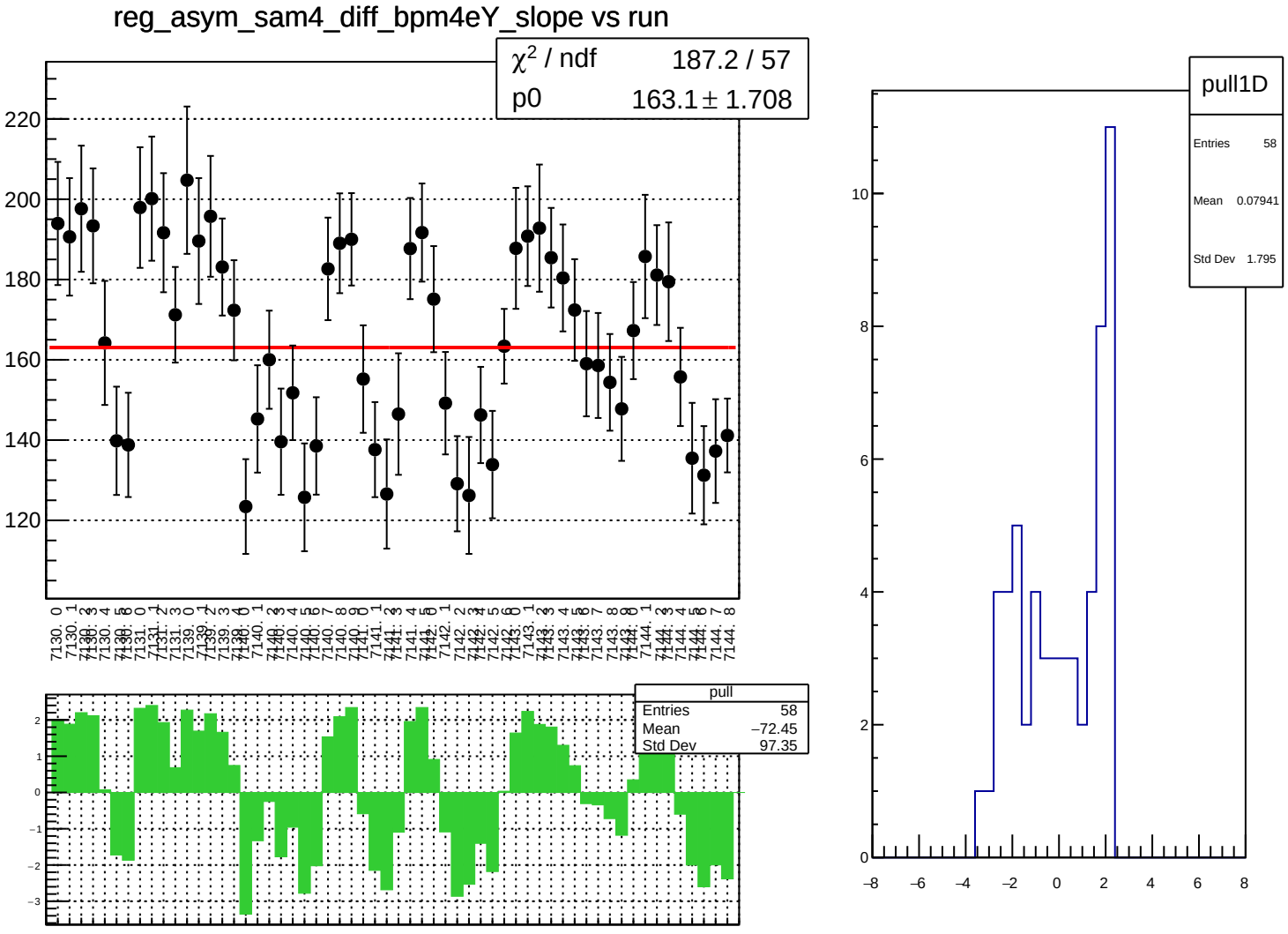

pull1D
Entries 58
Mean 0.3818
Std Dev 3.557

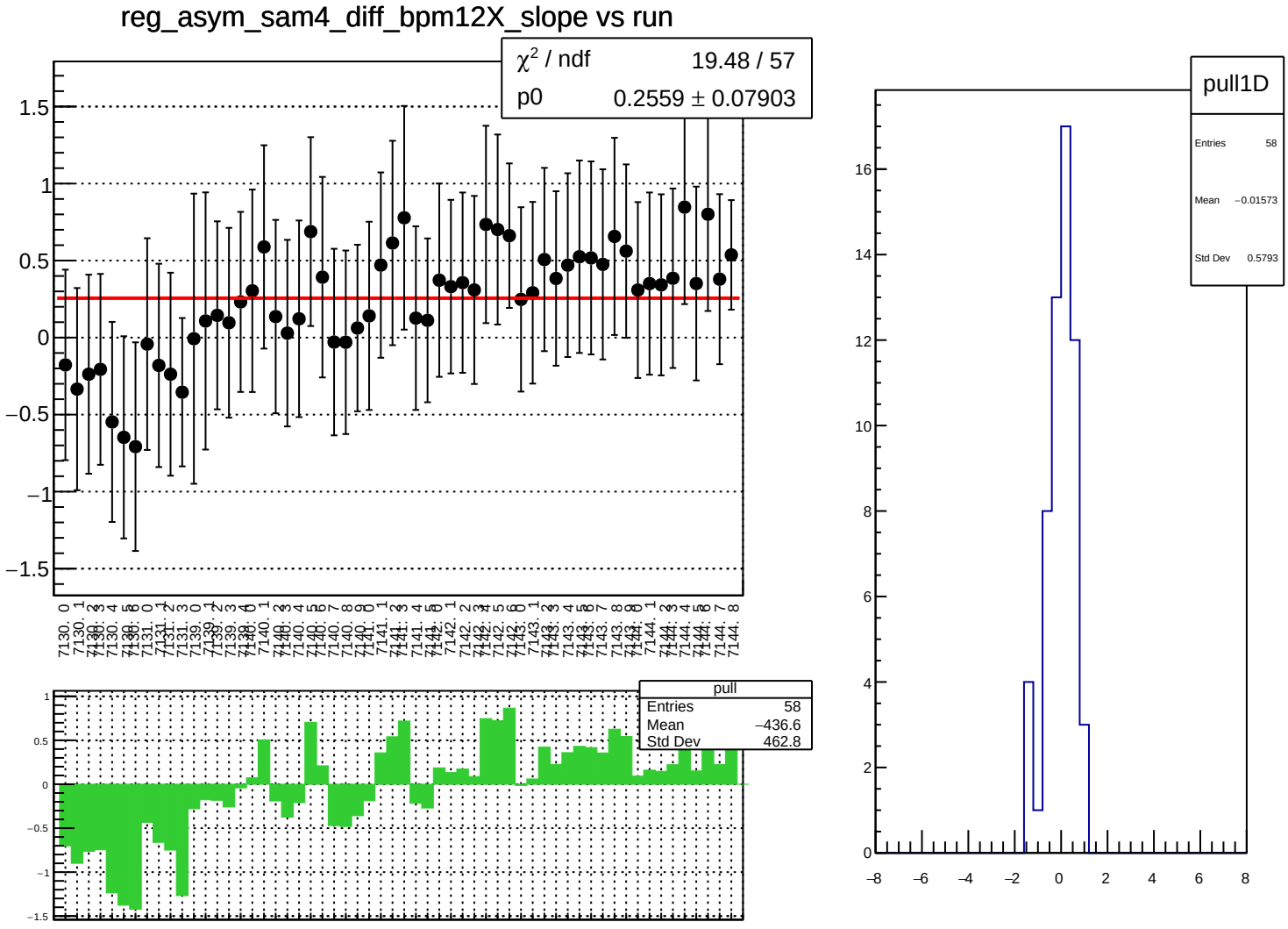

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 259.5 / 57
p0 43.35 ± 1.595
pull
Entries 58
Mean −127
Std Dev 151.8

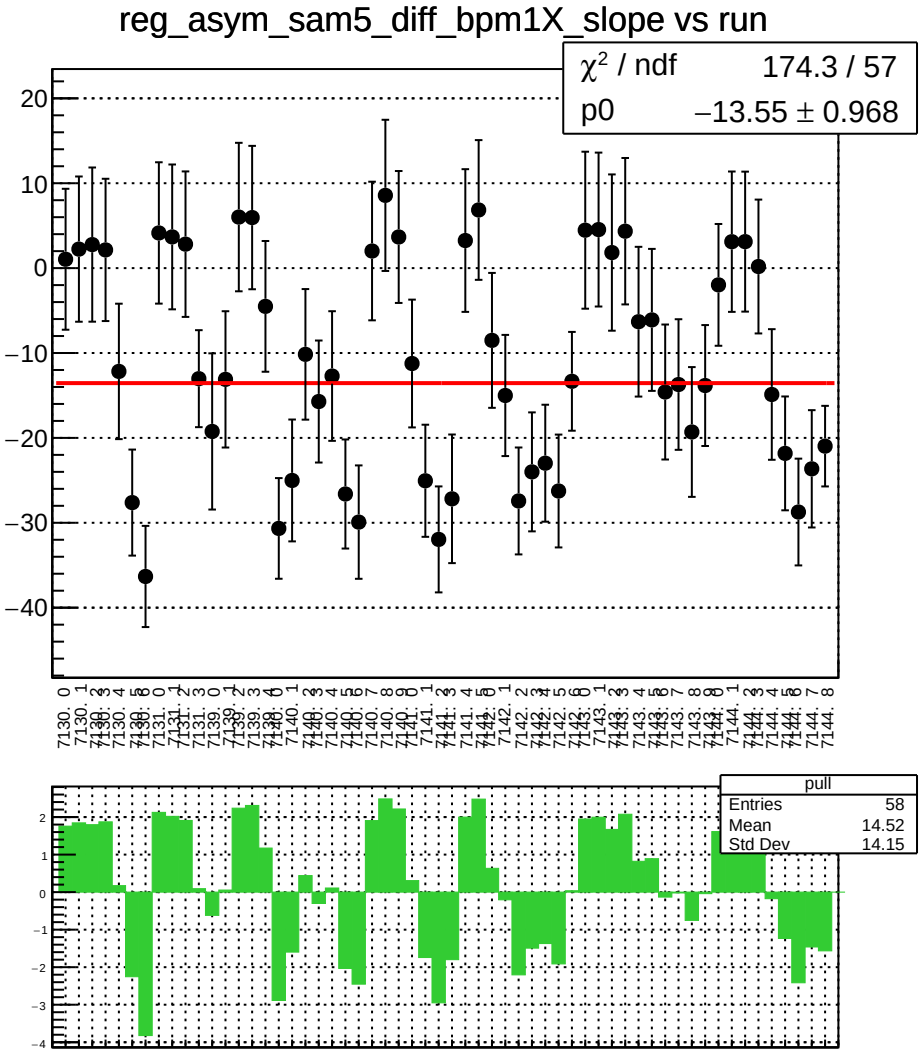

pull1D
Entries 58
Mean −0.04662
Std Dev 2.115

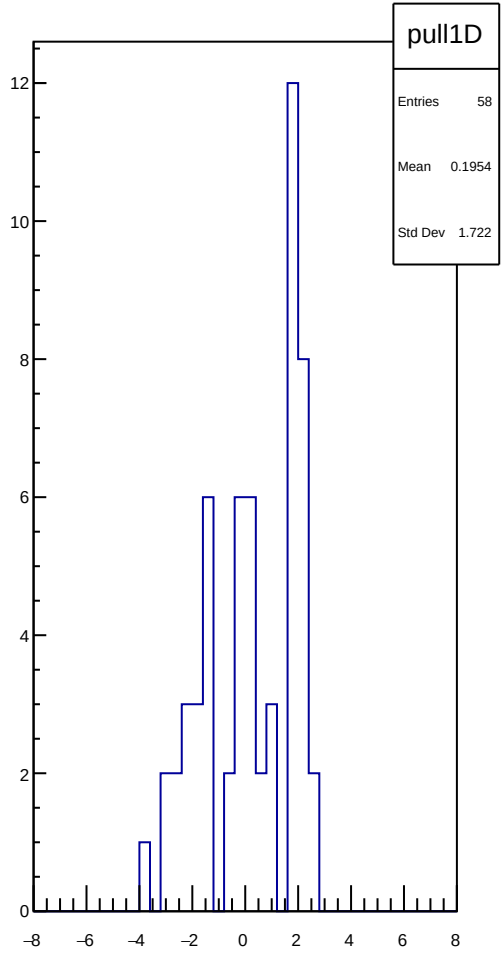

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 630.6 / 57
p0 −62.6 ± 1.794
pull
Entries 58
Mean 6.383
Std Dev 8.355

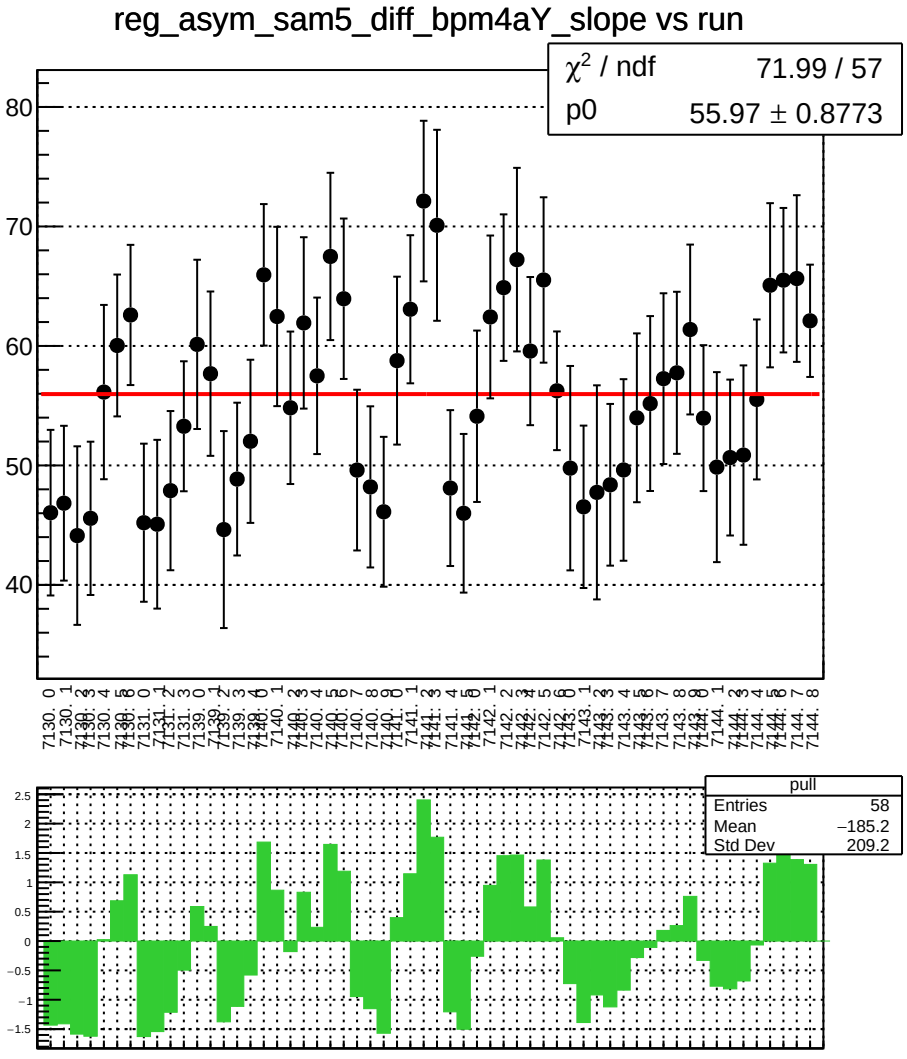

pull1D
Entries 58
Mean −0.3945
Std Dev 3.274

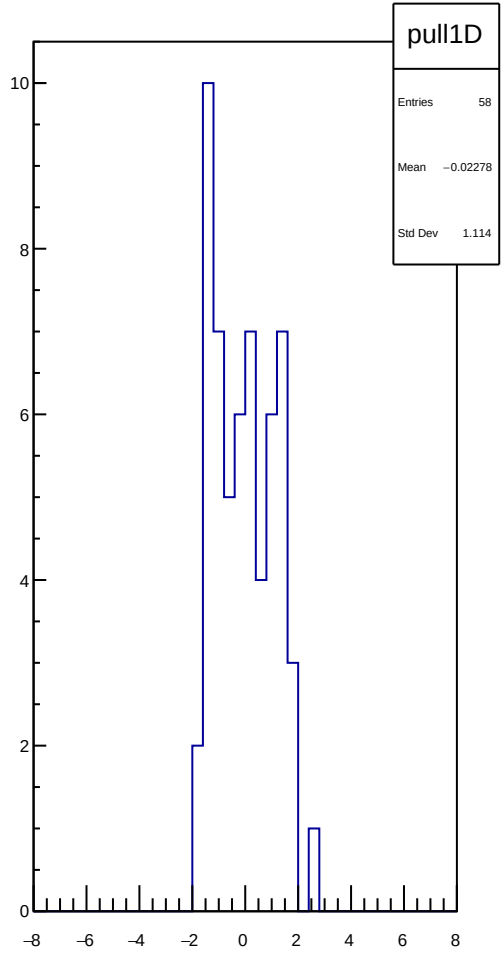

reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 187.2 / 57
p0 163.1 ± 1.708
pull
Entries 58
Mean −72.45
Std Dev 97.35
pull1D
Entries 58
Mean 0.07941
Std Dev 1.795

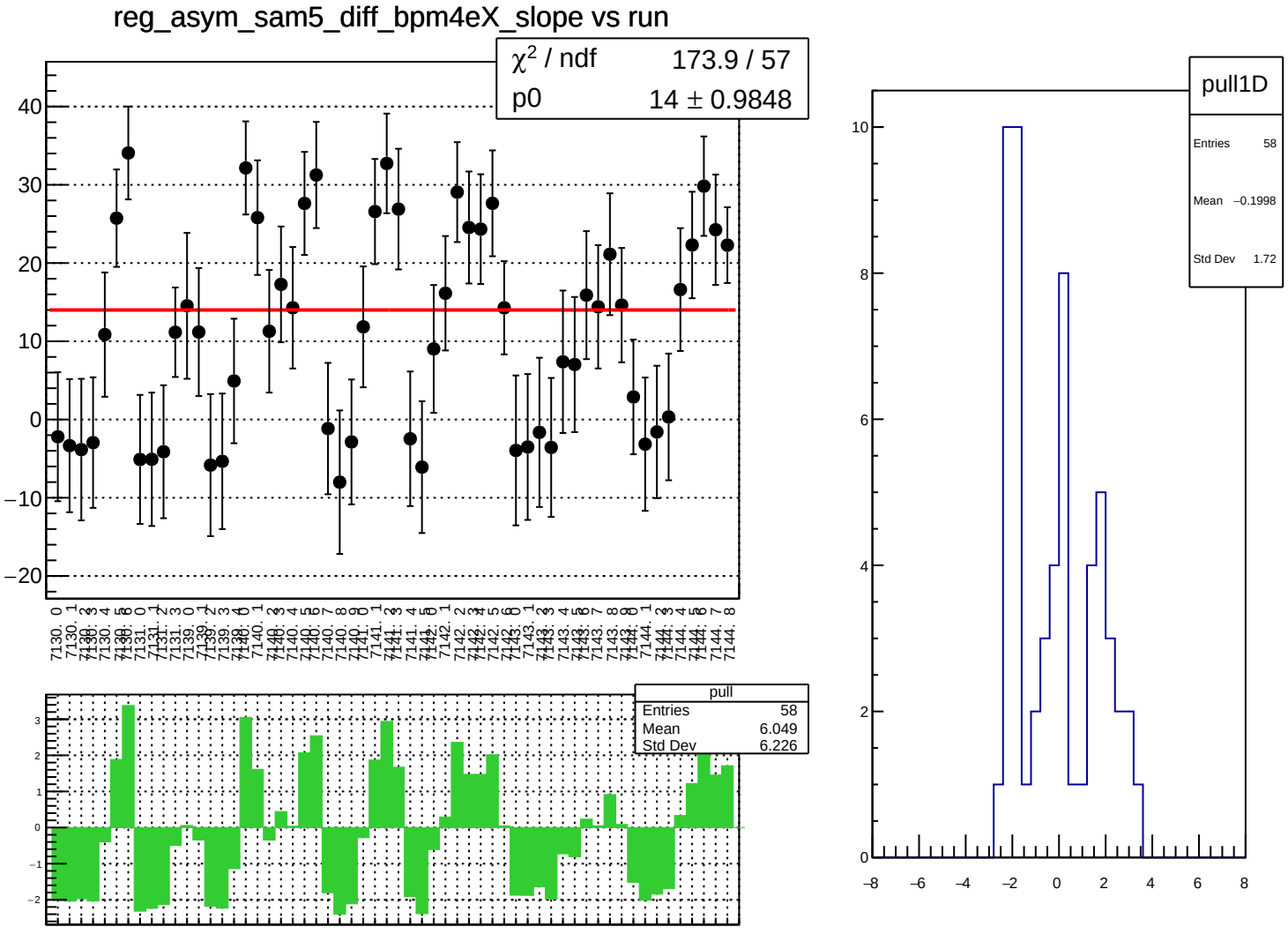

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 19.48 / 57
p0 0.2559 ± 0.07903
pull
Entries 58
Mean −436.6
Std Dev 462.8
pull1D
Entries 58
Mean −0.01573
Std Dev 0.5793

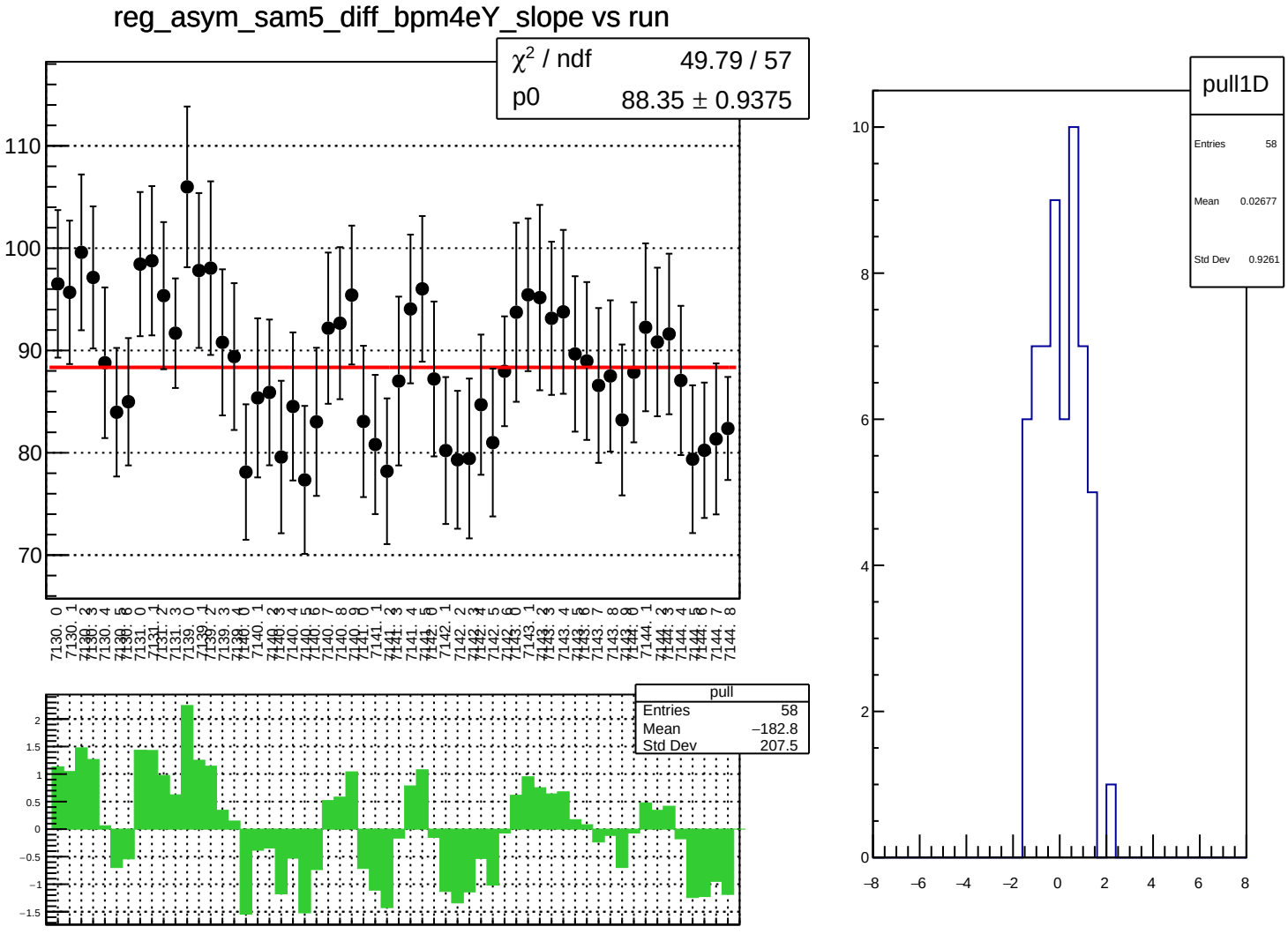

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 174.3 / 57
p0 −13.55 ± 0.968
pull
Entries 58
Mean 14.52
Std Dev 14.15

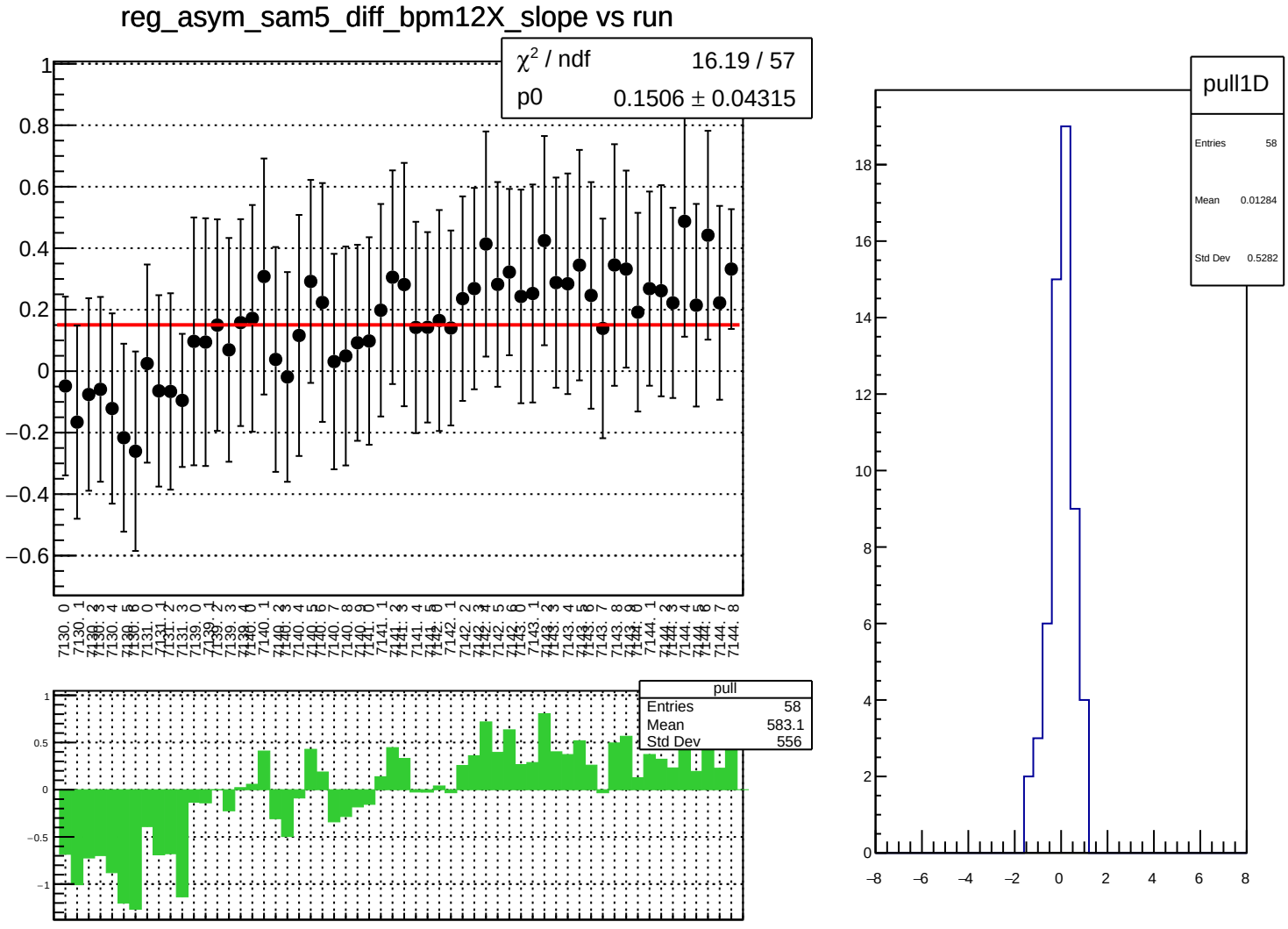

pull1D
Entries 58
Mean 0.1954
Std Dev 1.722

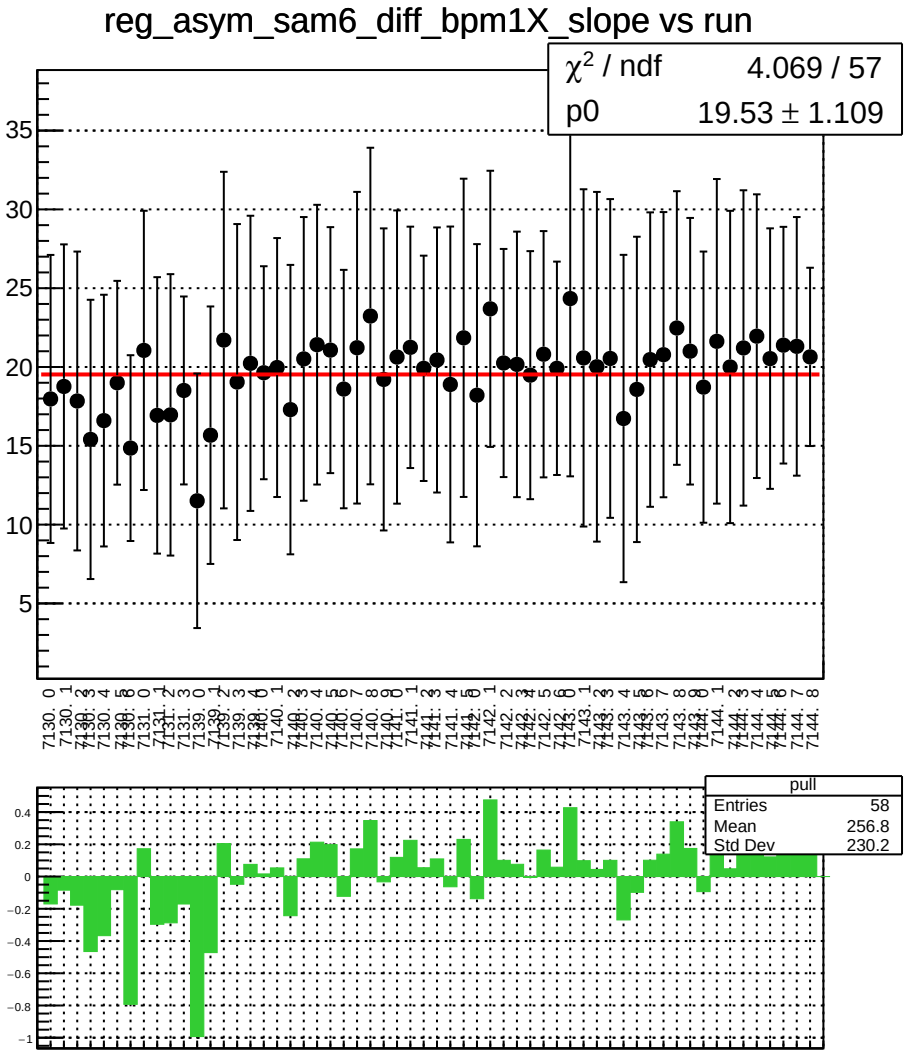

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 71.99 / 57
p0 55.97 ± 0.8773
pull
Entries 58
Mean −185.2
Std Dev 209.2

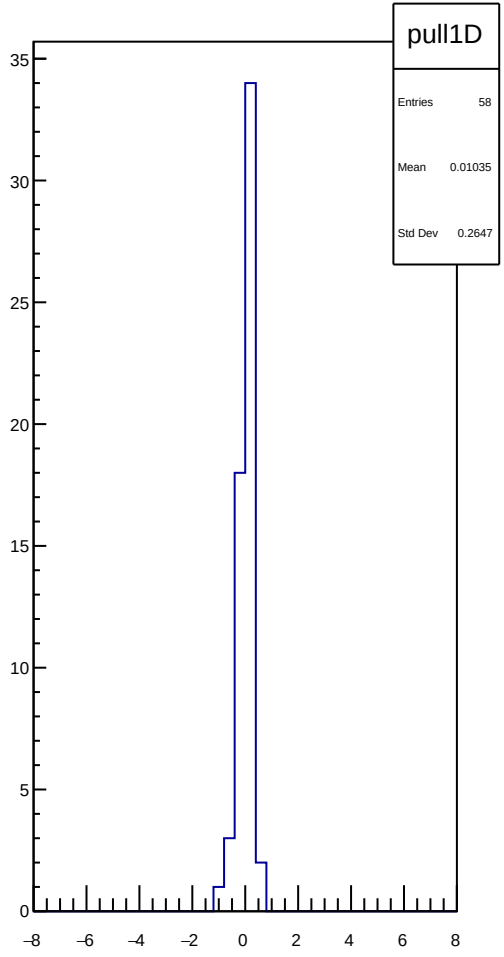

pull1D
Entries 58
Mean −0.02278
Std Dev 1.114

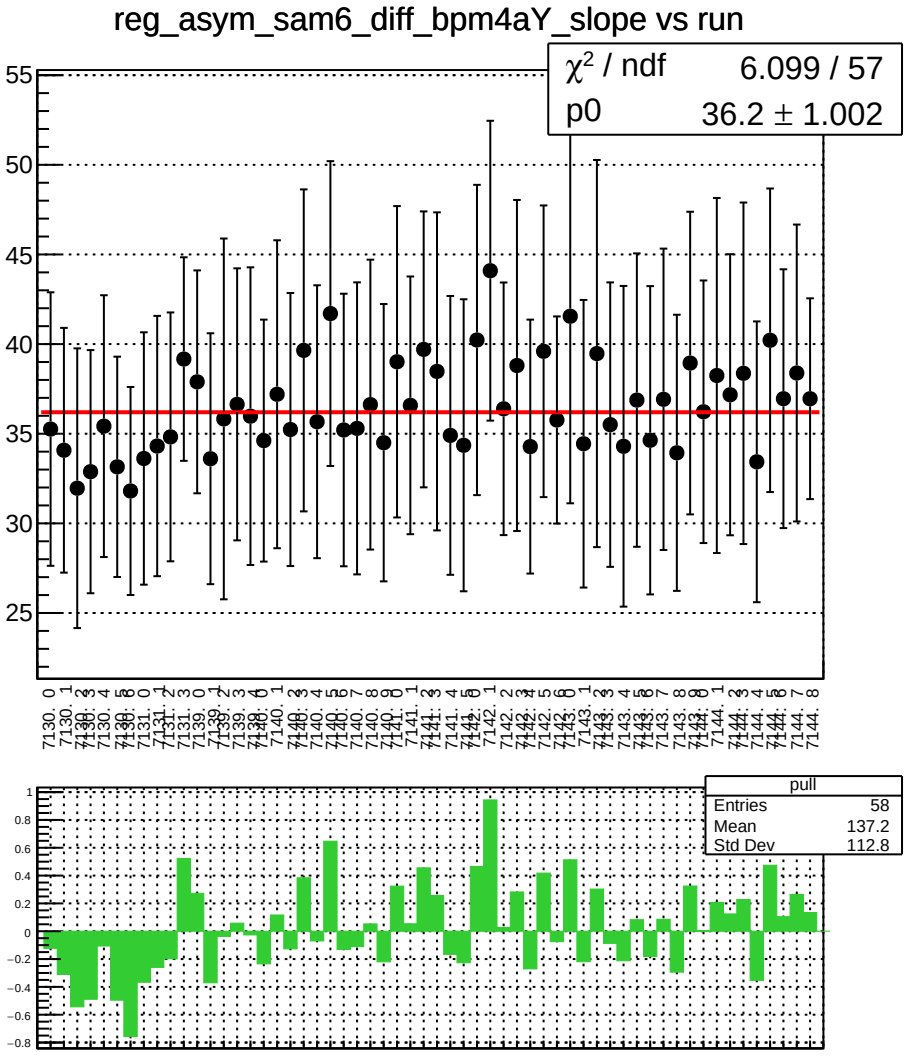

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 173.9 / 57
p0 14 ± 0.9848
pull
Entries 58
Mean 6.049
Std Dev 6.226
pull1D
Entries 58
Mean −0.1998
Std Dev 1.72

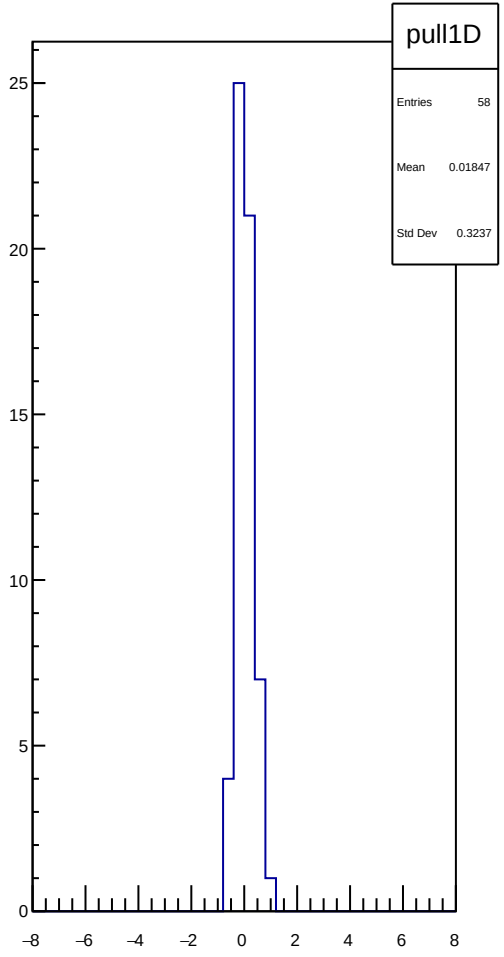

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 49.79 / 57
p0 88.35 ± 0.9375
pull
Entries 58
Mean −182.8
Std Dev 207.5
pull1D
Entries 58
Mean 0.02677
Std Dev 0.9261

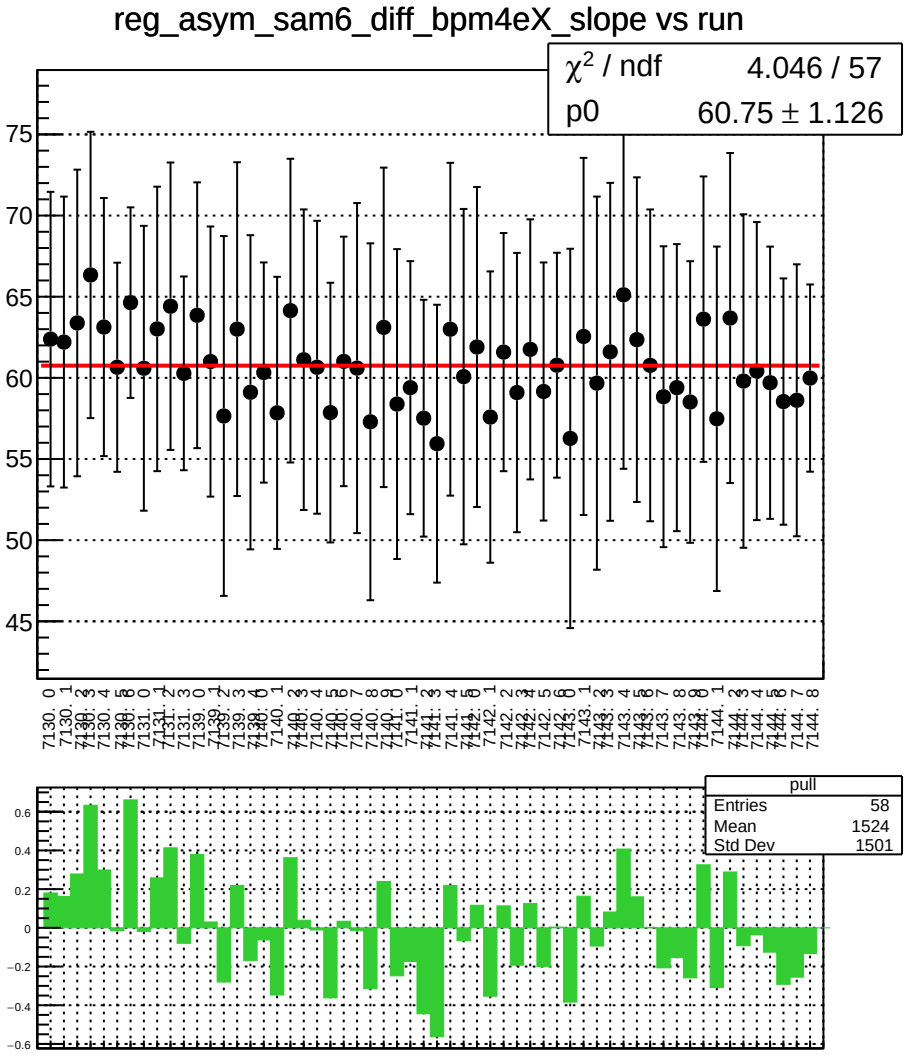

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 16.19 / 57
p0 0.1506 ± 0.04315
pull
Entries 58
Mean 583.1
Std Dev 556
pull1D
Entries 58
Mean 0.01284
Std Dev 0.5282

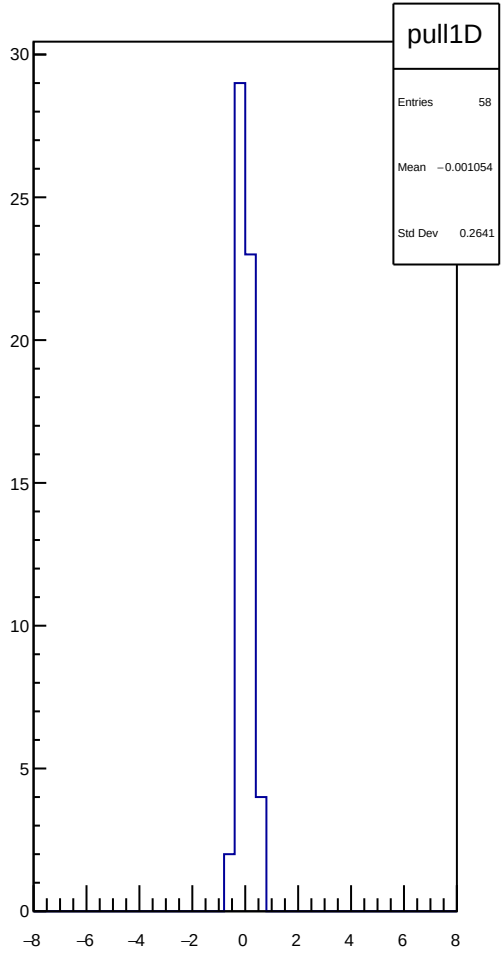

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 4.069 / 57
p0 19.53 ± 1.109
pull
Entries 58
Mean 256.8
Std Dev 230.2

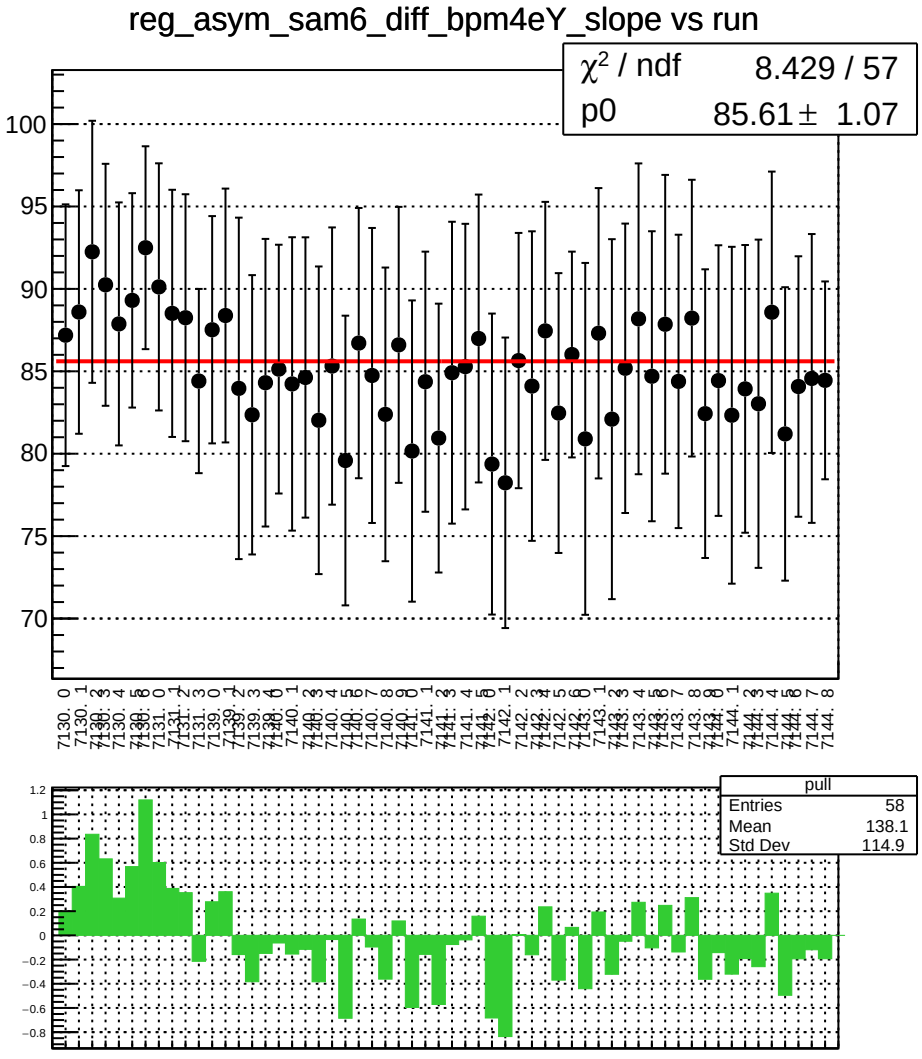

pull1D
Entries 58
Mean 0.01035
Std Dev 0.2647

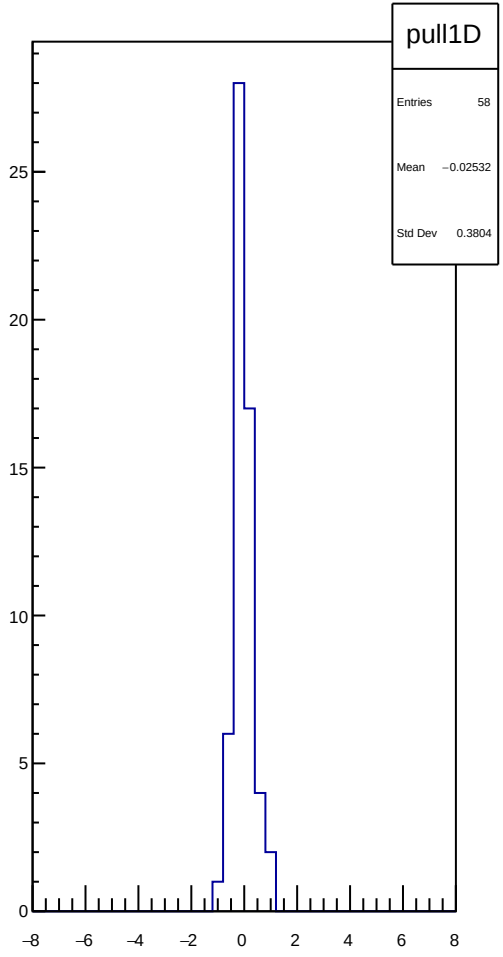

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 6.099 / 57
p0 36.2 ± 1.002
pull
Entries 58
Mean 137.2
Std Dev 112.8

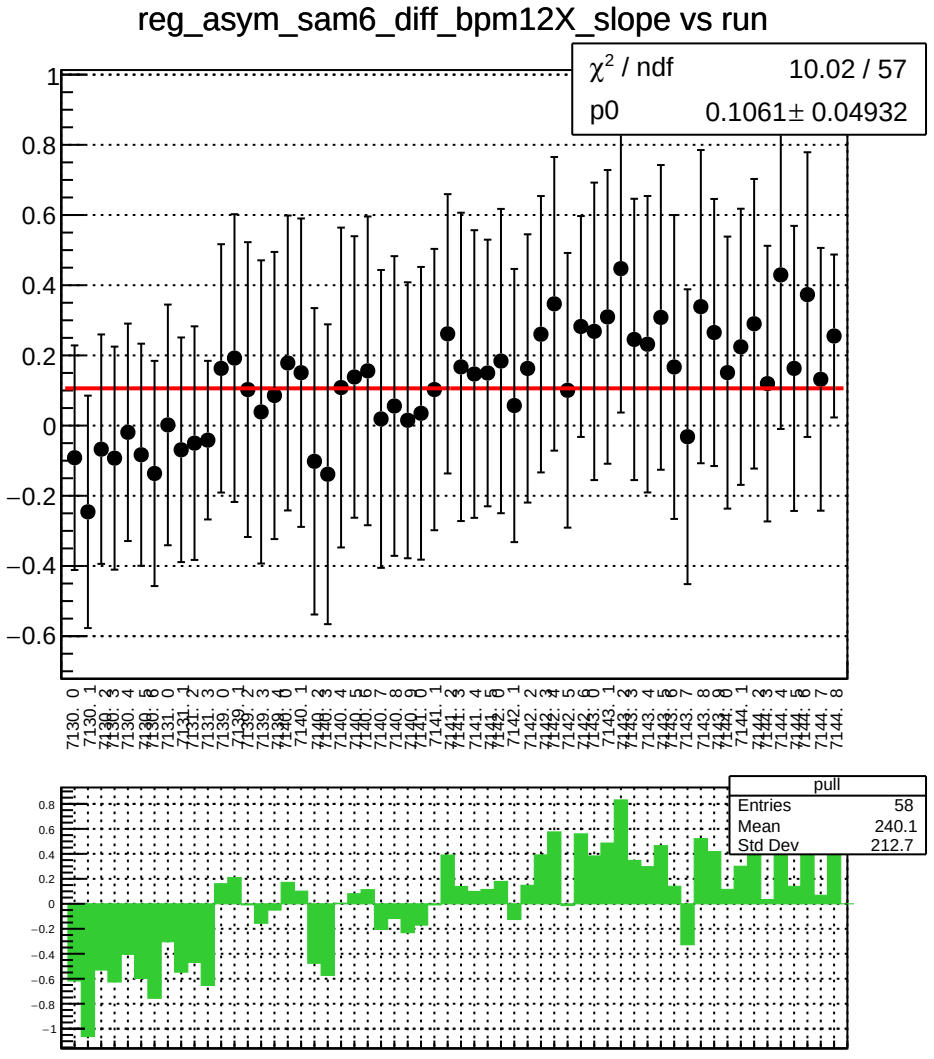

pull1D
Entries 58
Mean 0.01847
Std Dev 0.3237

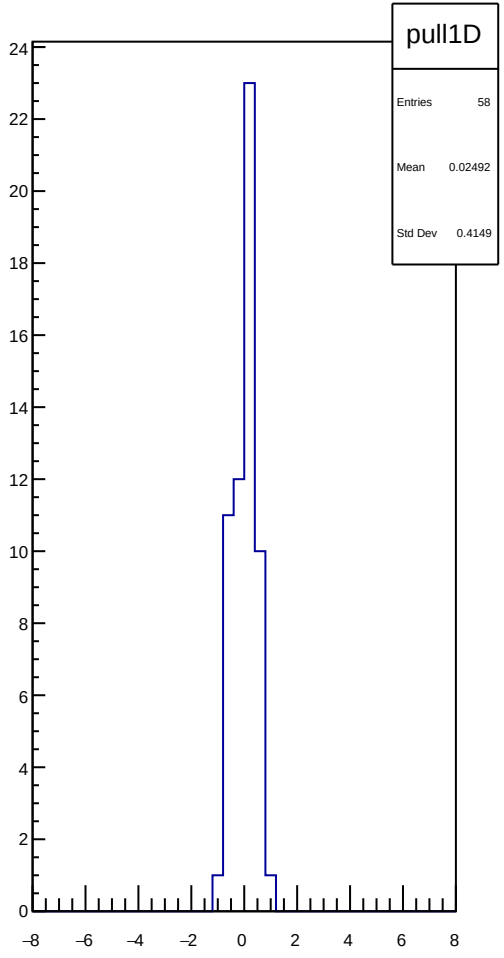

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 4.046 / 57
p0 60.75 ± 1.126
pull
Entries 58
Mean 1524
Std Dev 1501

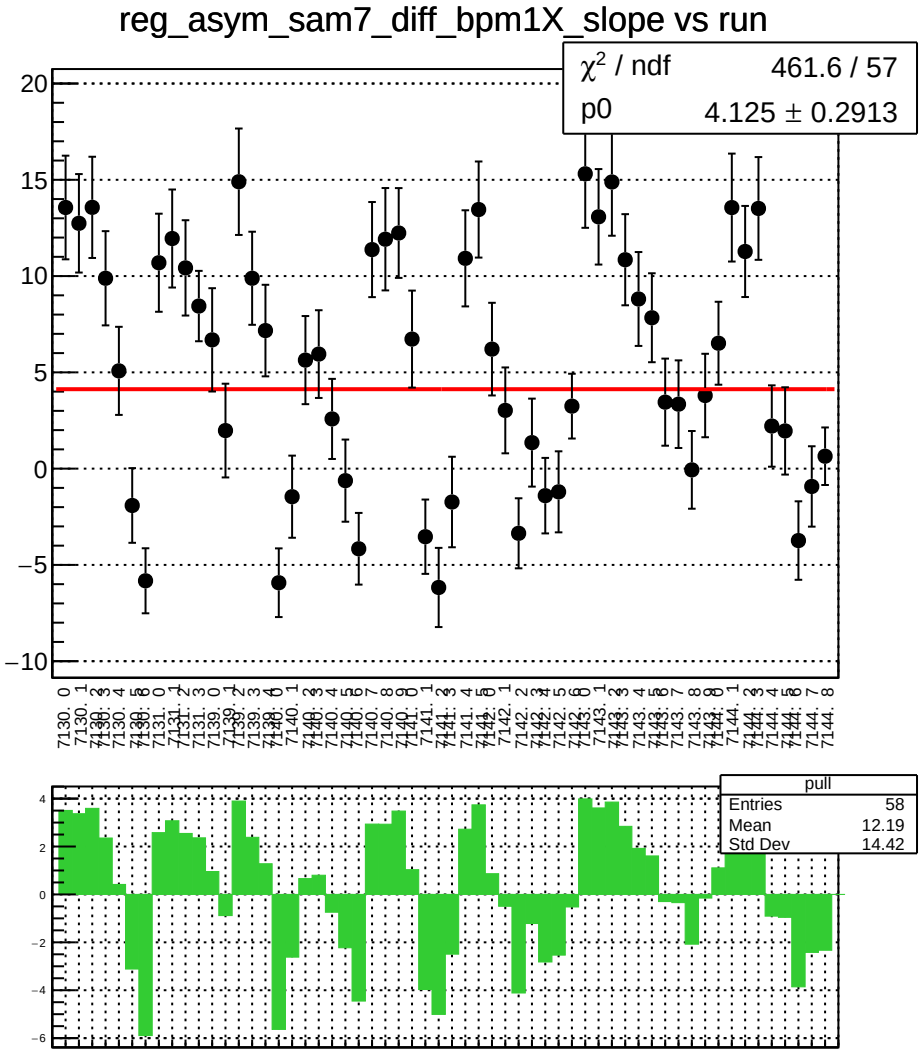

pull1D
Entries 58
Mean −0.001054
Std Dev 0.2641

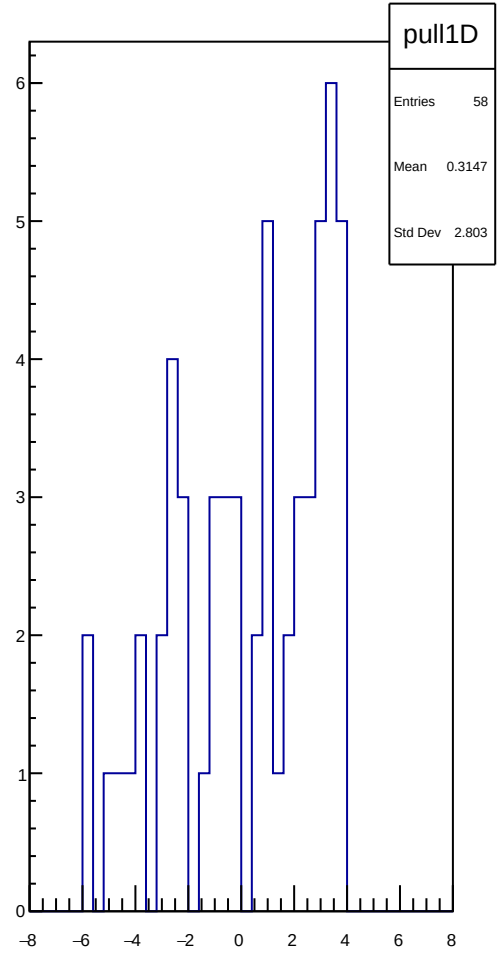

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 8.429 / 57
p0 85.61 ± 1.07
pull
Entries 58
Mean 138.1
Std Dev 114.9

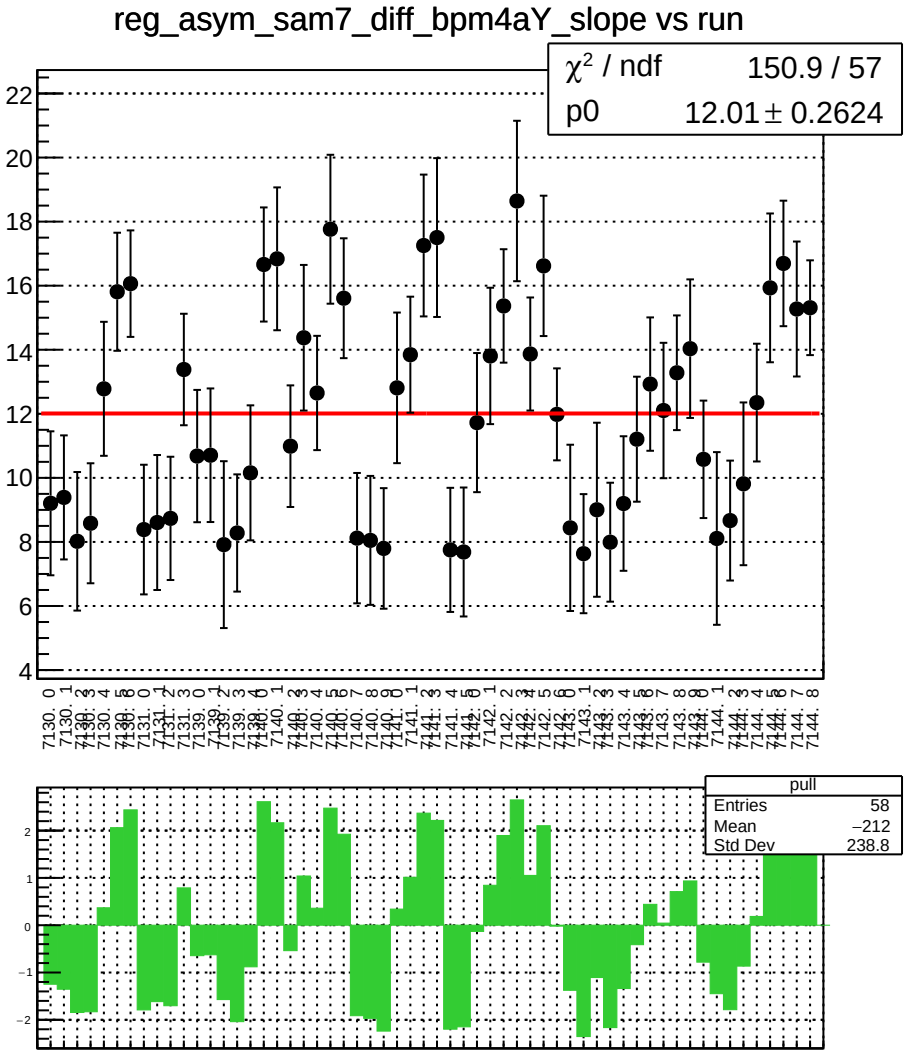

pull1D
Entries 58
Mean −0.02532
Std Dev 0.3804

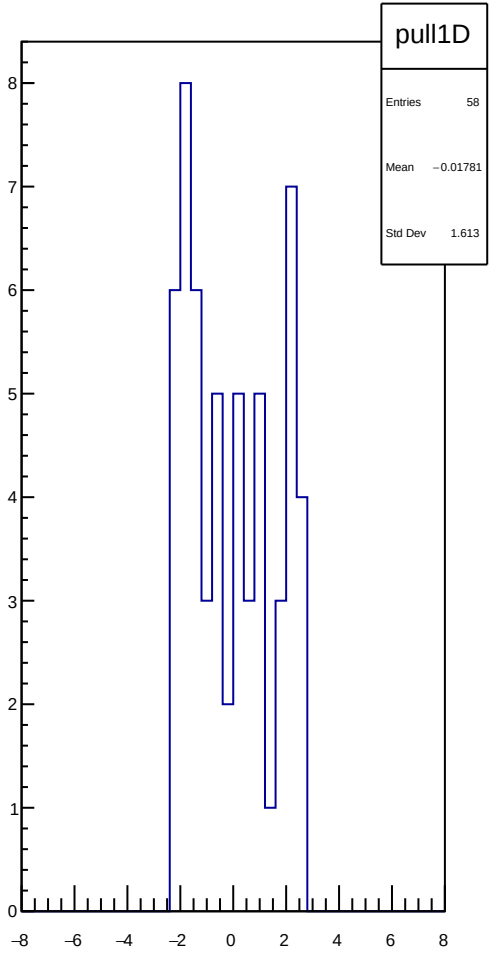

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 10.02 / 57
p0 0.1061± 0.04932
pull
Entries 58
Mean 240.1
Std Dev 212.7

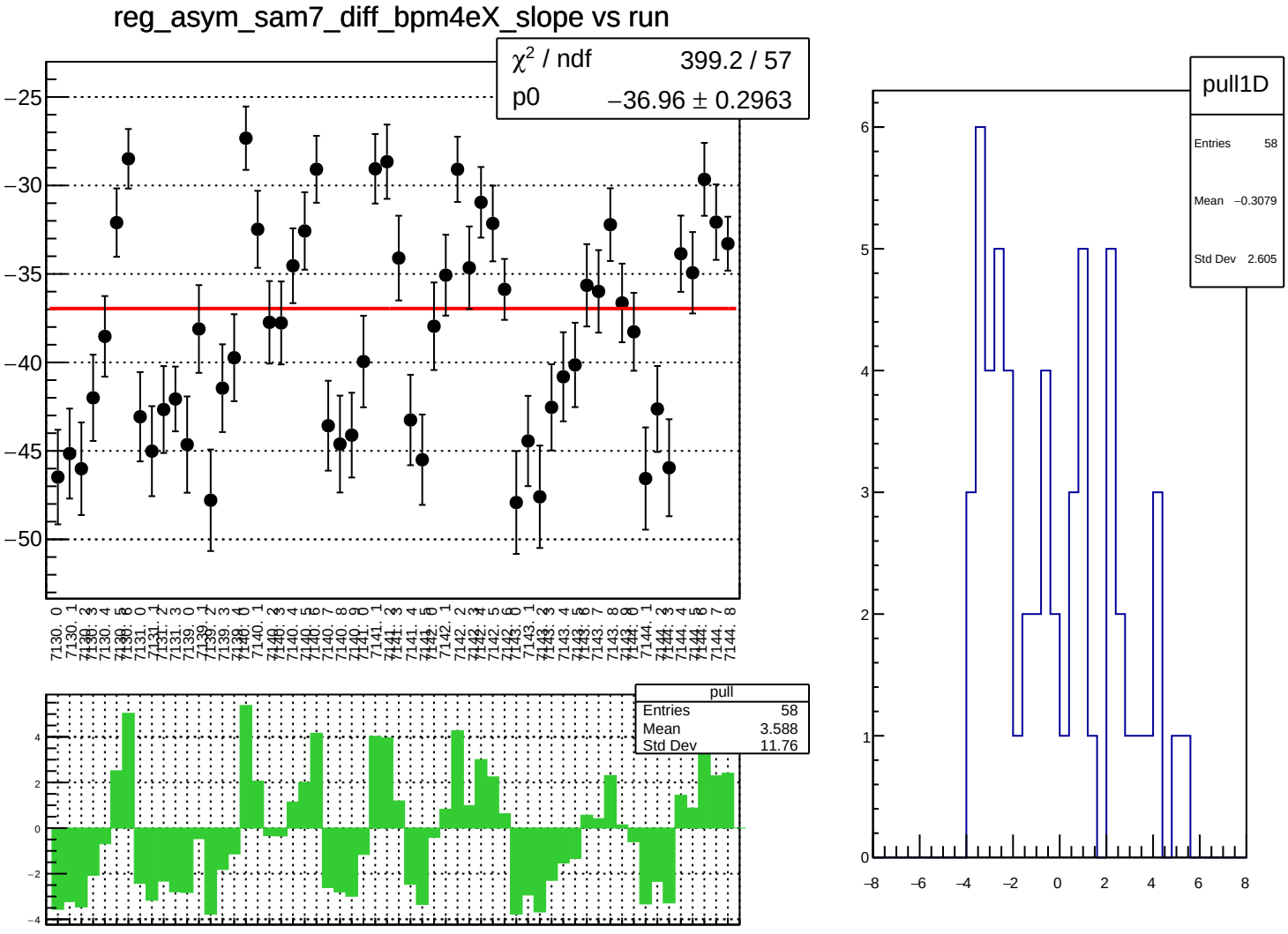

pull1D
Entries 58
Mean 0.02492
Std Dev 0.4149

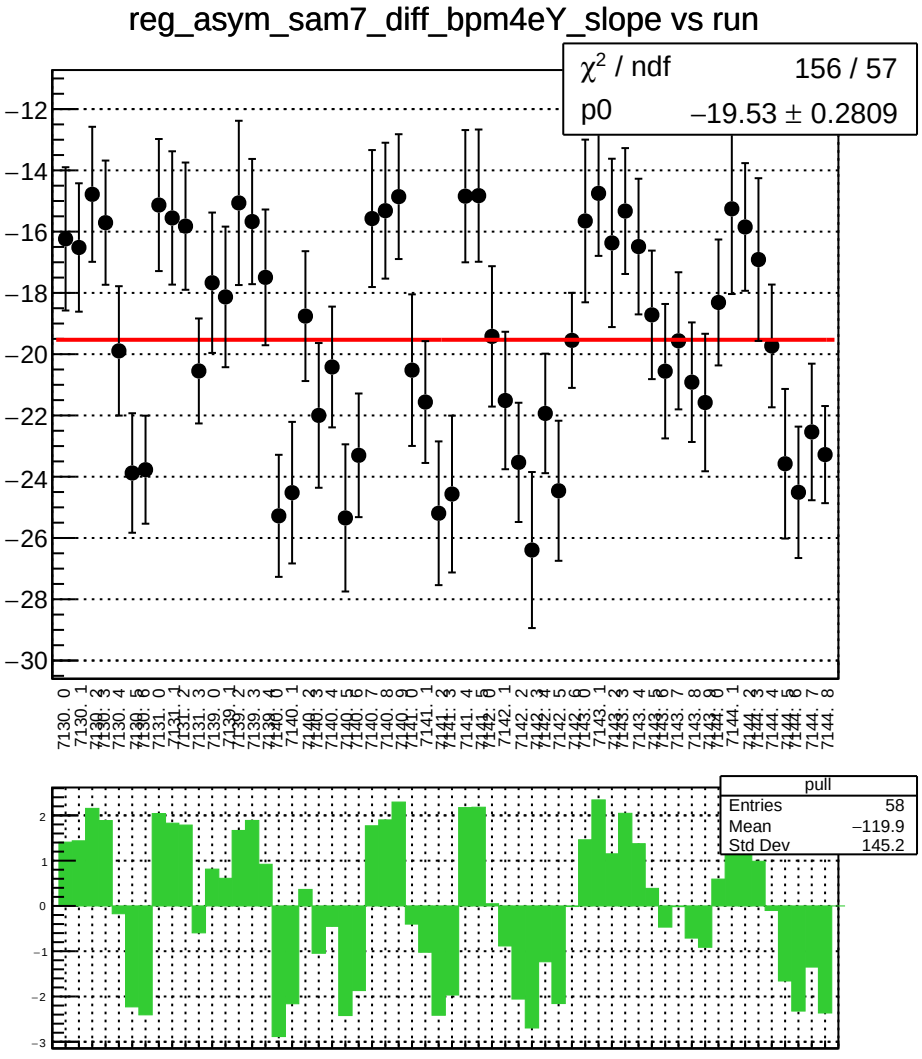

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 461.6 / 57
p0 4.125 ± 0.2913
pull
Entries 58
Mean 12.19
Std Dev 14.42

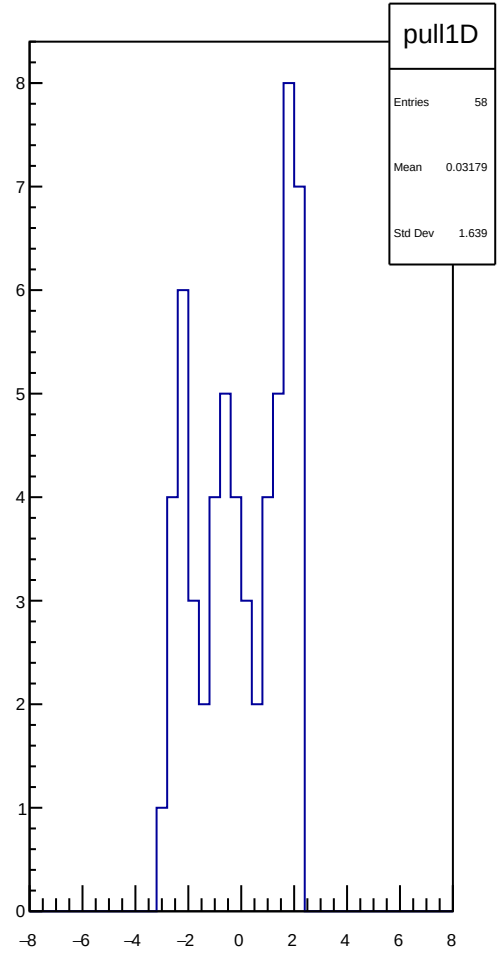

pull1D
Entries 58
Mean 0.3147
Std Dev 2.803

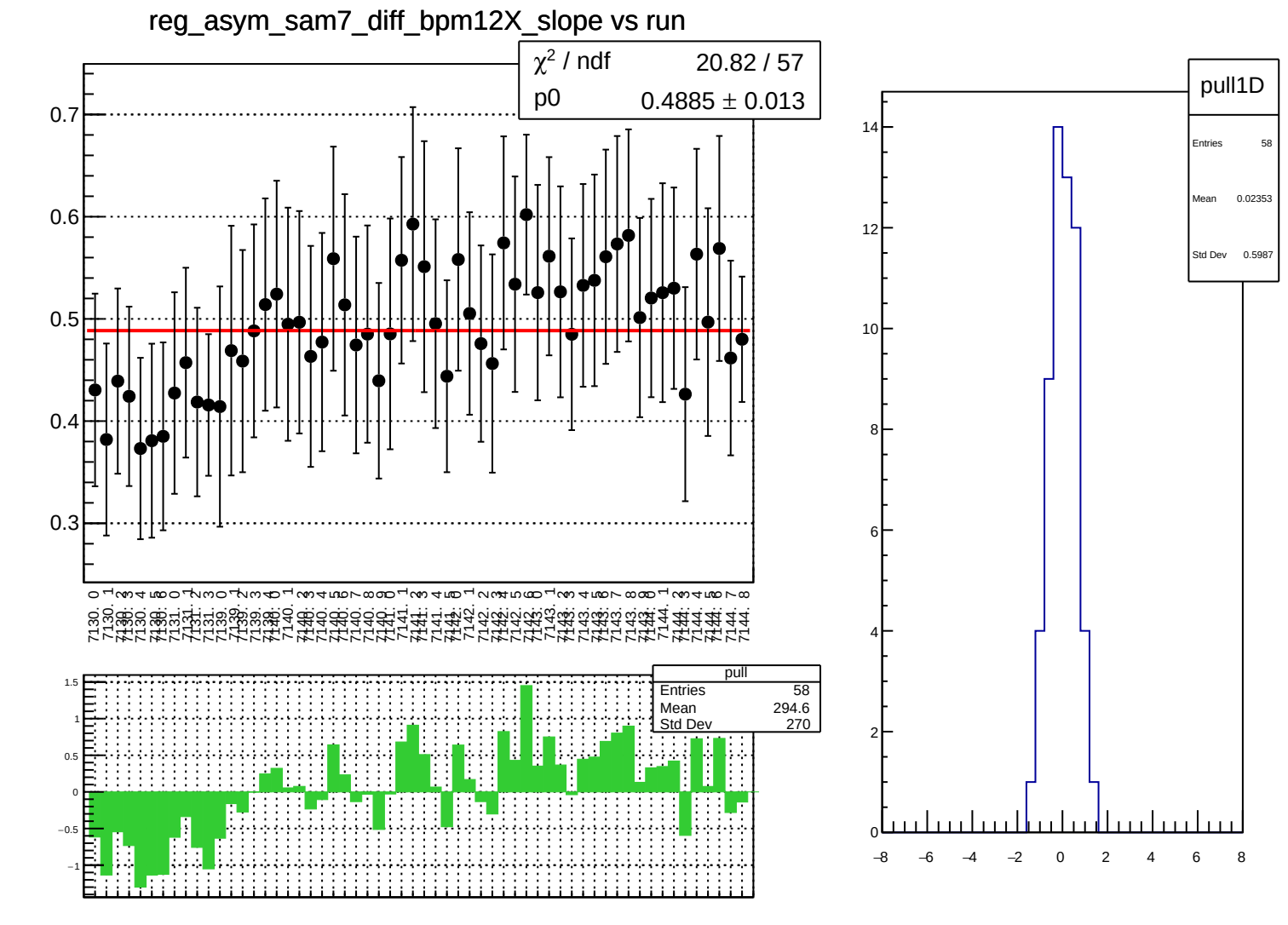

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 150.9 / 57
p0 12.01 ± 0.2624
pull
Entries 58
Mean −212
Std Dev 238.8

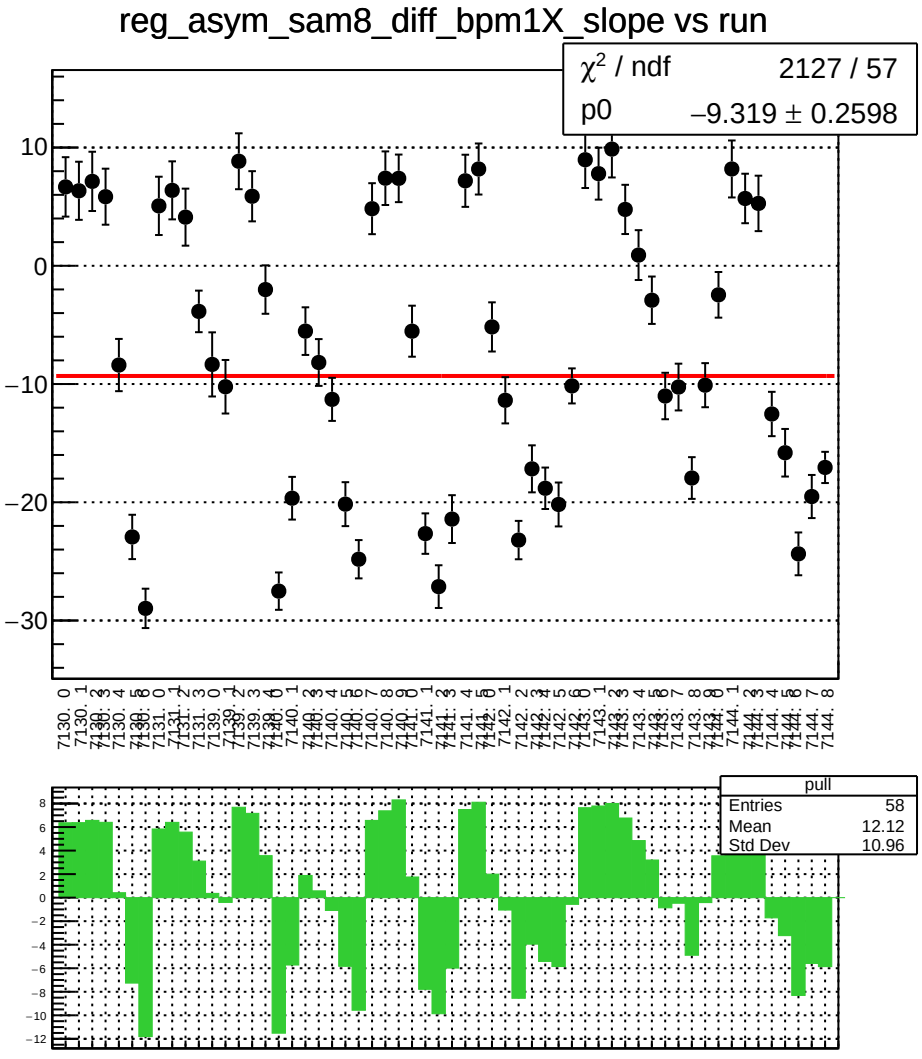

pull1D
Entries 58
Mean −0.01781
Std Dev 1.613

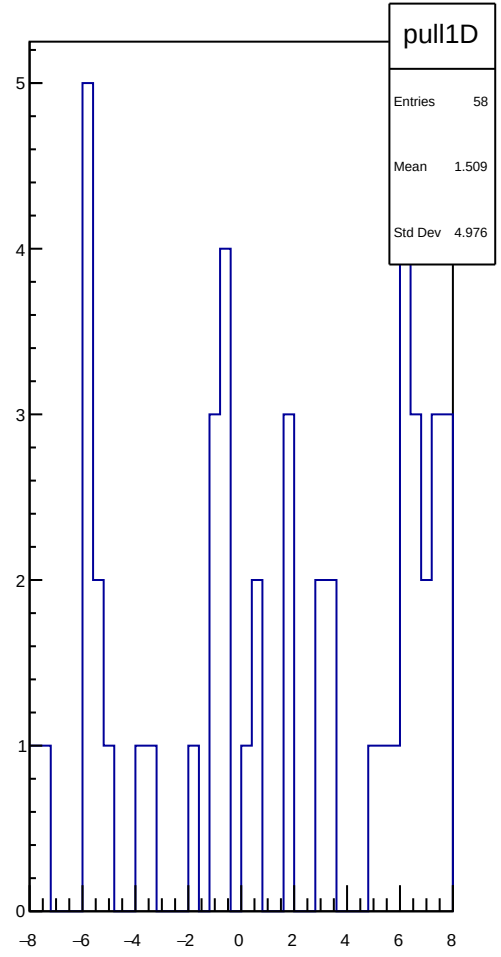

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 399.2 / 57
p0 −36.96 ± 0.2963
pull
Entries 58
Mean 3.588
Std Dev 11.76
pull1D
Entries 58
Mean −0.3079
Std Dev 2.605

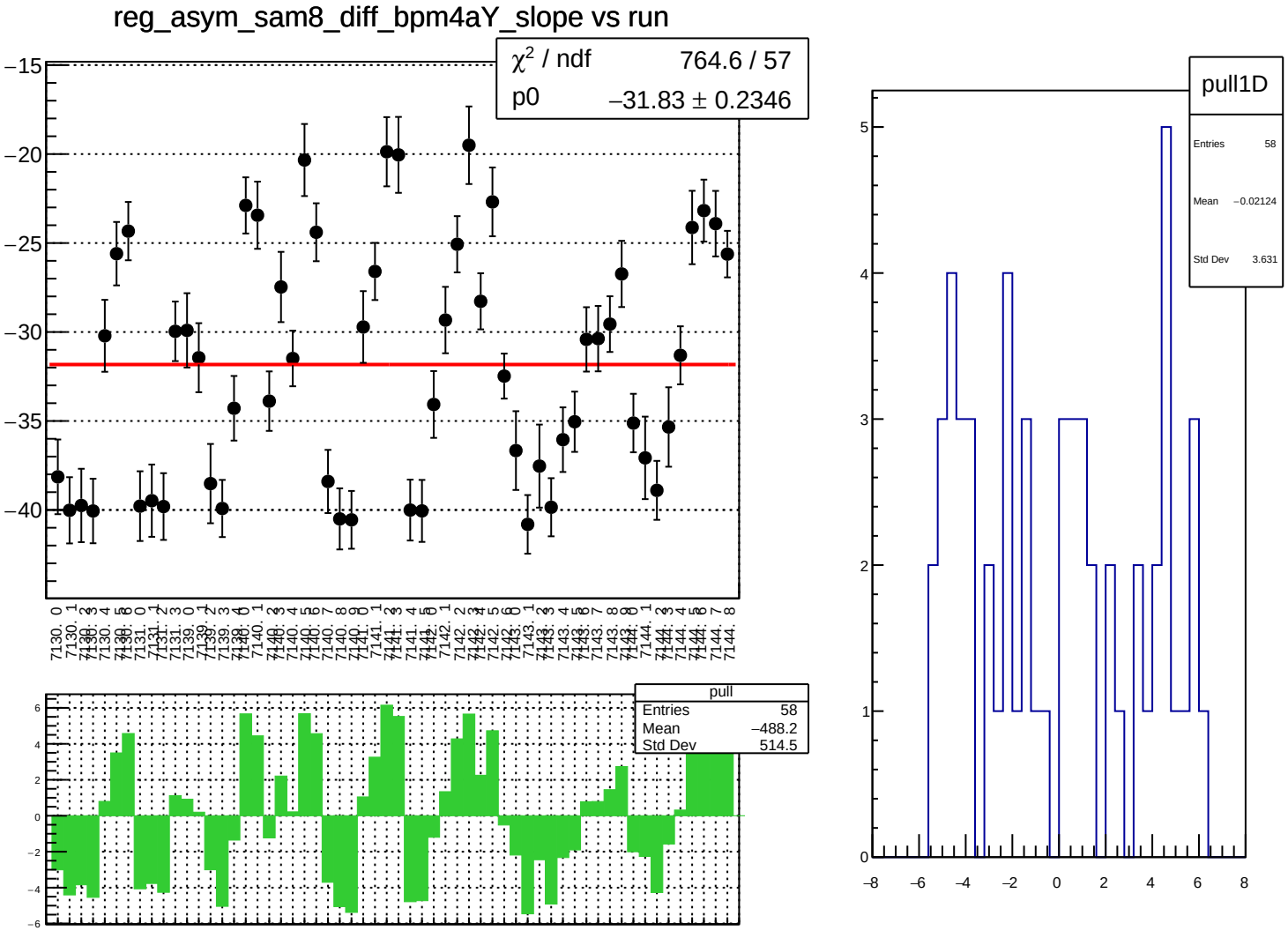

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 156 / 57
p0 −19.53 ± 0.2809
pull
Entries 58
Mean −119.9
Std Dev 145.2

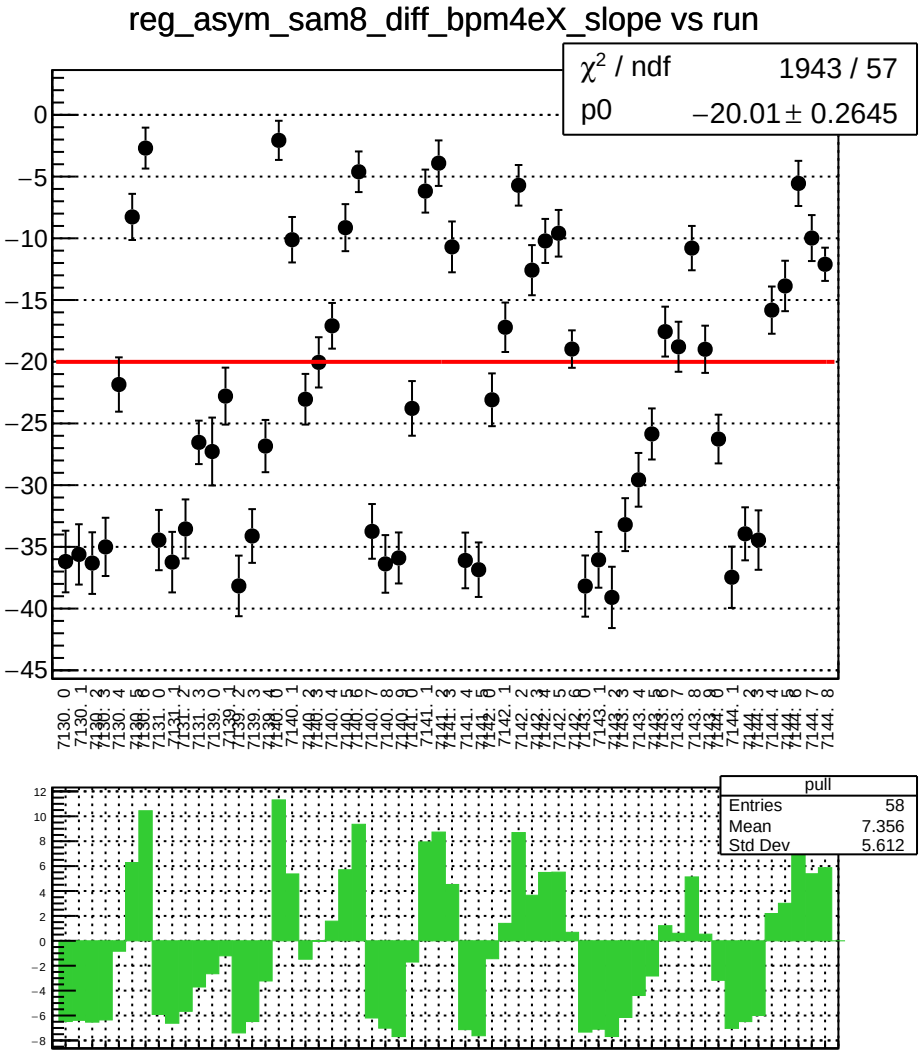

pull1D
Entries 58
Mean 0.03179
Std Dev 1.639

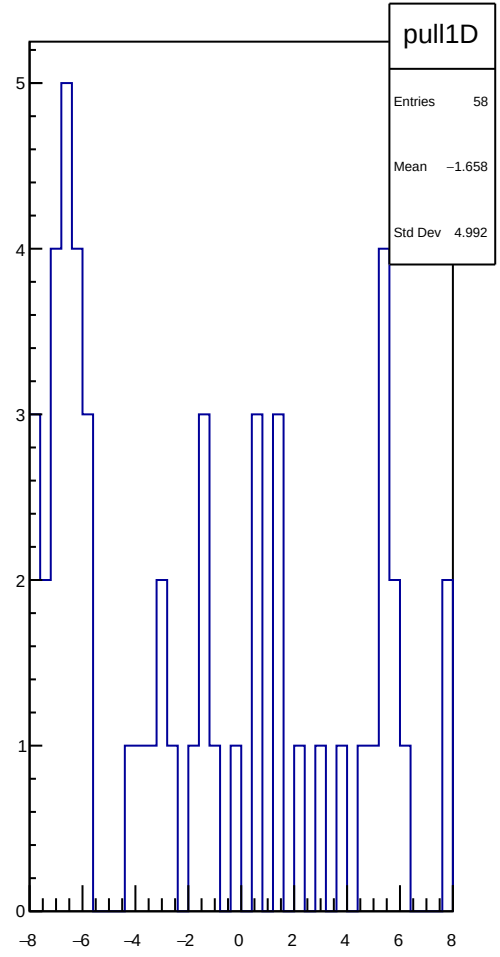

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 20.82 / 57
p0 0.4885 ± 0.013
pull
Entries 58
Mean 294.6
Std Dev 270
pull1D
Entries 58
Mean 0.02353
Std Dev 0.5987

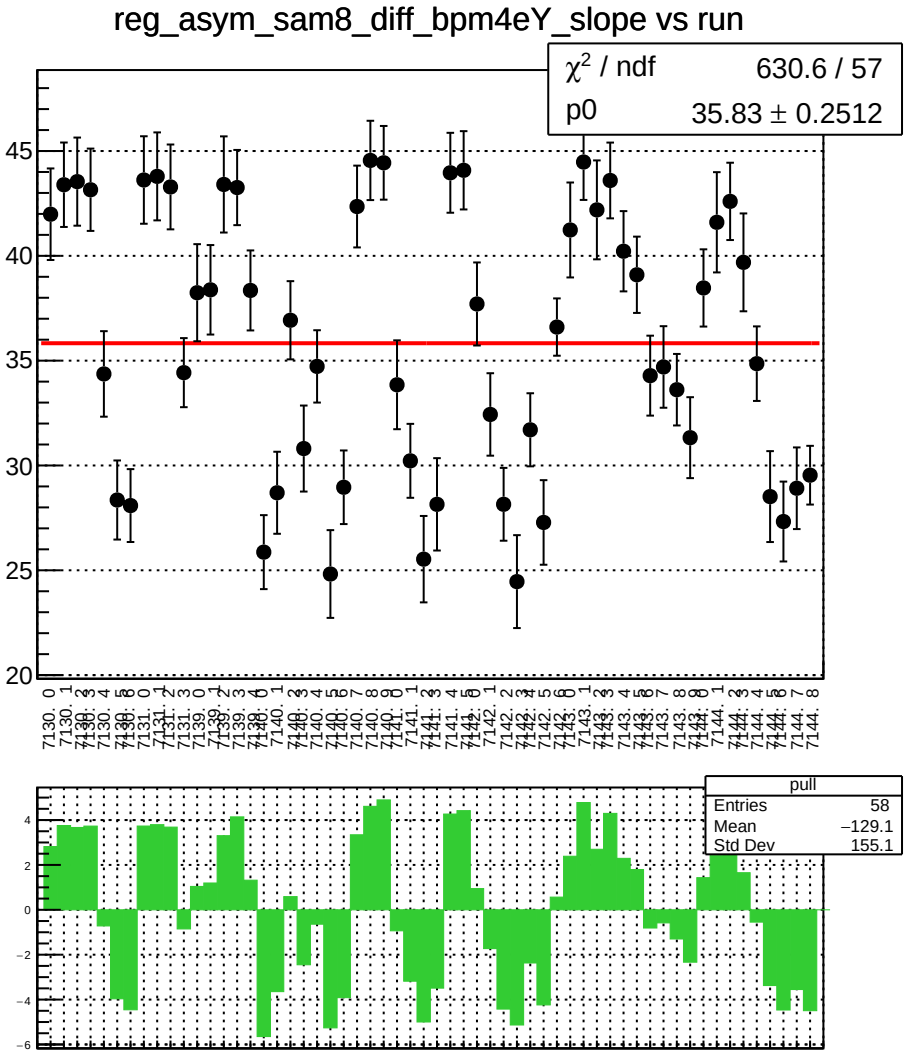

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 2127 / 57
p0 −9.319 ± 0.2598
pull
Entries 58
Mean 12.12
Std Dev 10.96

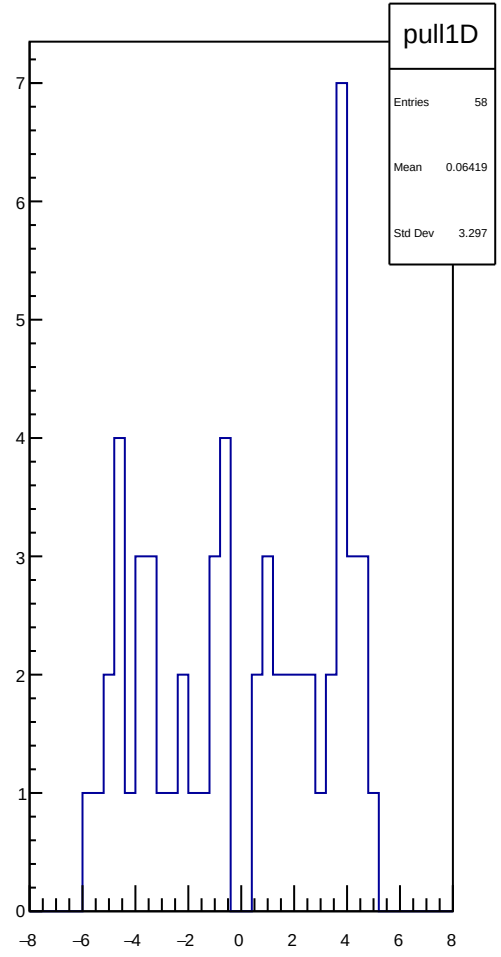

pull1D
Entries 58
Mean 1.509
Std Dev 4.976

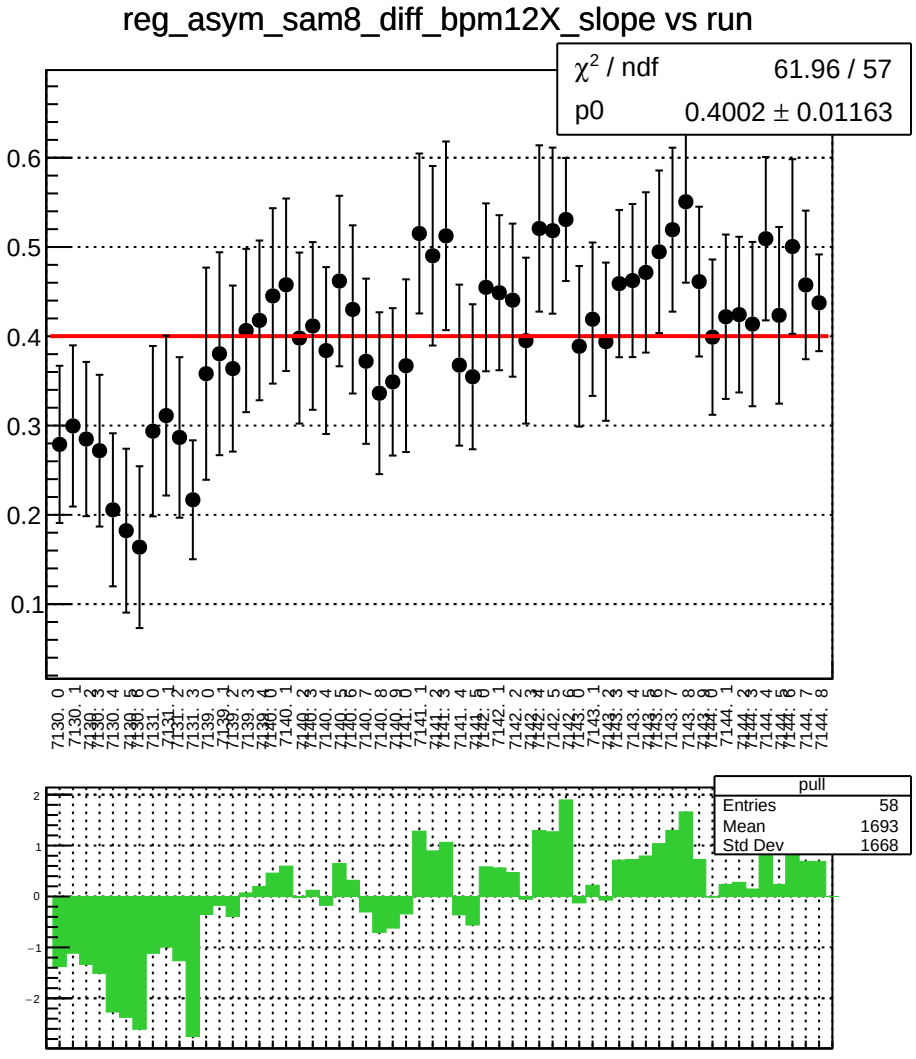

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 764.6 / 57
p0 −31.83 ± 0.2346
pull
Entries 58
Mean −488.2
Std Dev 514.5
pull1D
Entries 58
Mean −0.02124
Std Dev 3.631

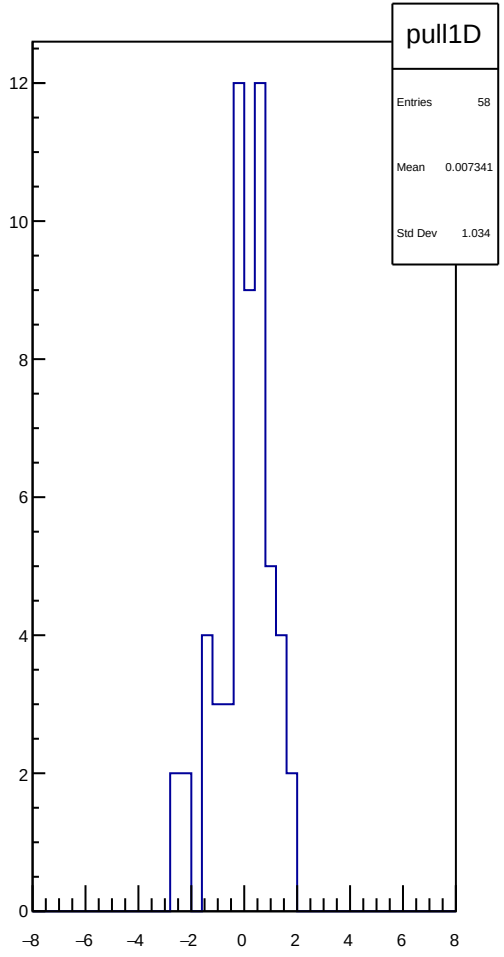

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 1943 / 57
p0 −20.01 ± 0.2645
pull
Entries 58
Mean 7.356
Std Dev 5.612

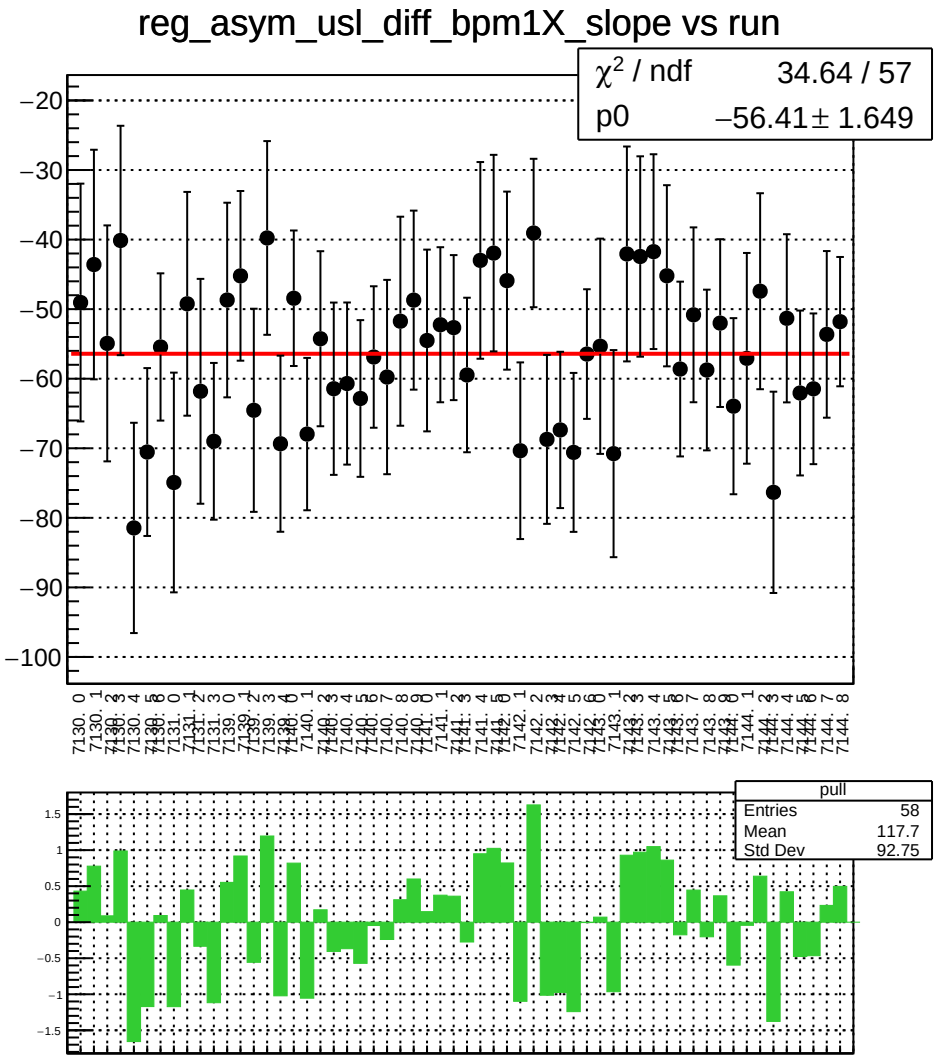

pull1D
Entries 58
Mean −1.658
Std Dev 4.992

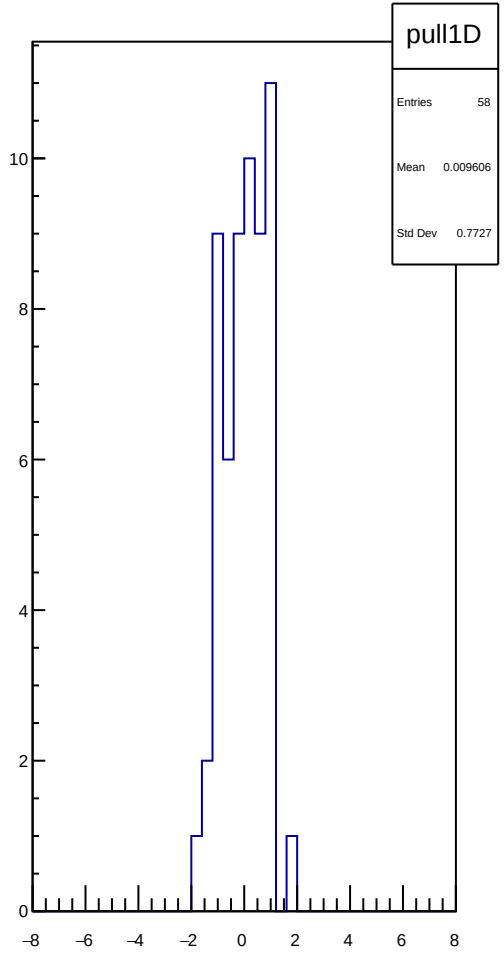

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 630.6 / 57
p0 35.83 ± 0.2512
pull
Entries 58
Mean −129.1
Std Dev 155.1

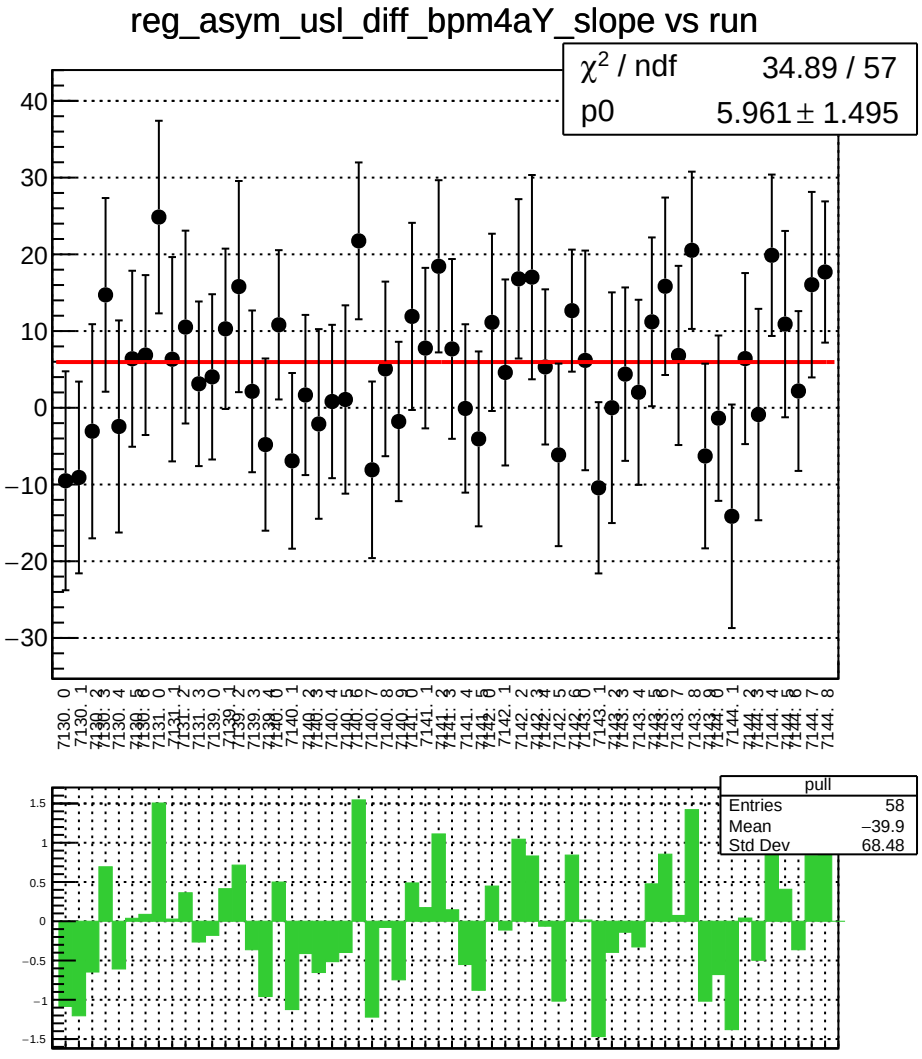

pull1D
Entries 58
Mean 0.06419
Std Dev 3.297

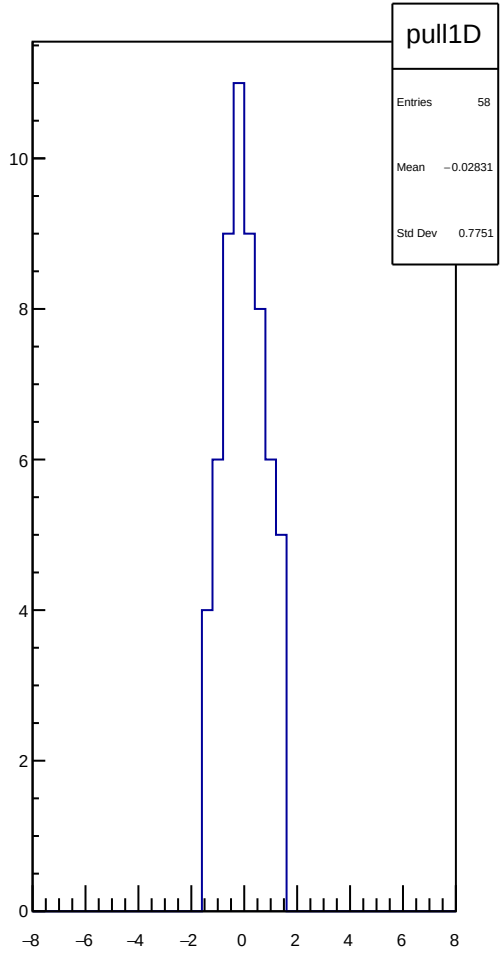

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 61.96 / 57
p0 0.4002 ± 0.01163
pull
Entries 58
Mean 1693
Std Dev 1668

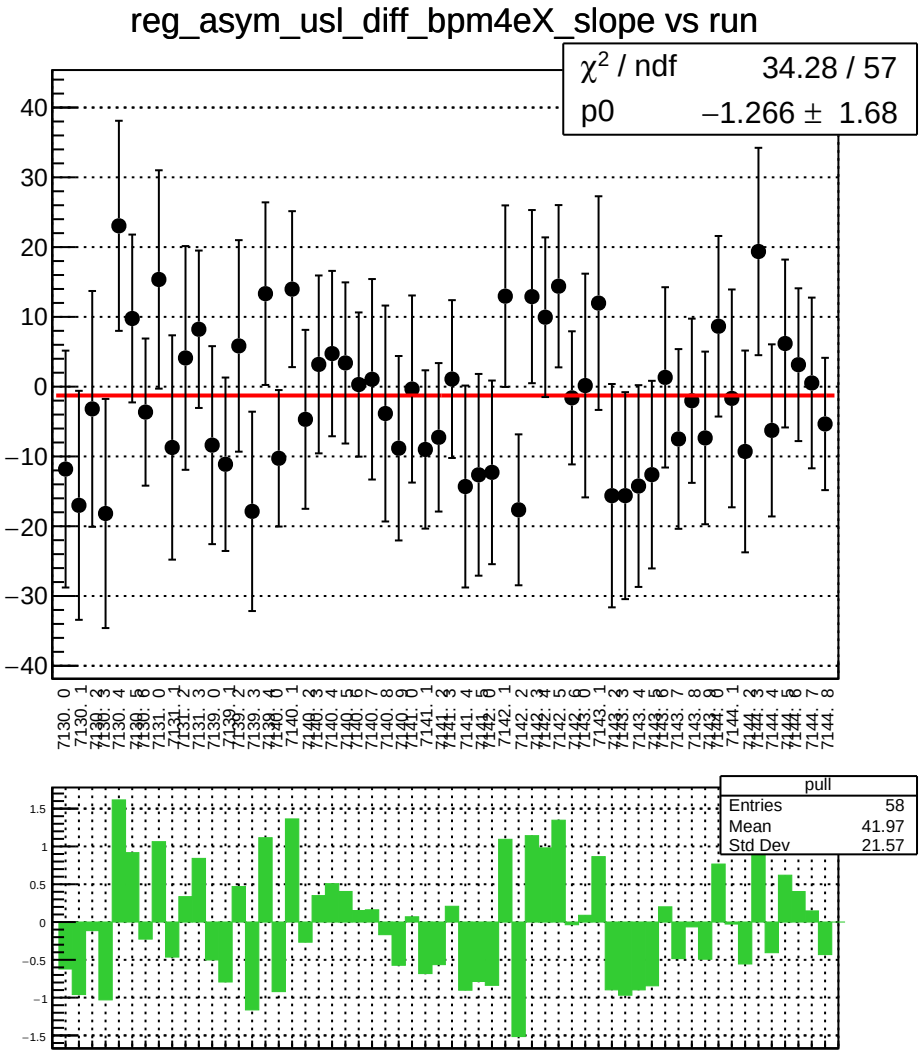

pull1D
Entries 58
Mean 0.007341
Std Dev 1.034

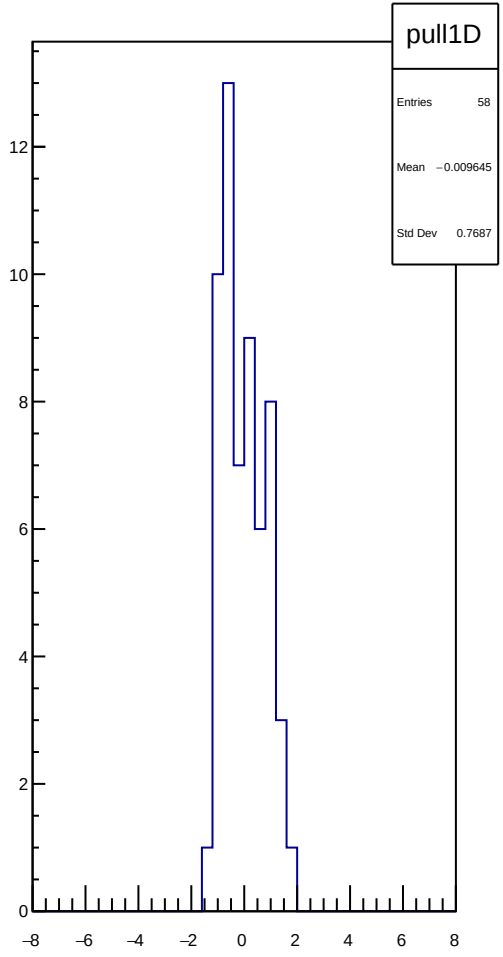

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 34.64 / 57
p0 −56.41 ± 1.649
pull
Entries 58
Mean 117.7
Std Dev 92.75

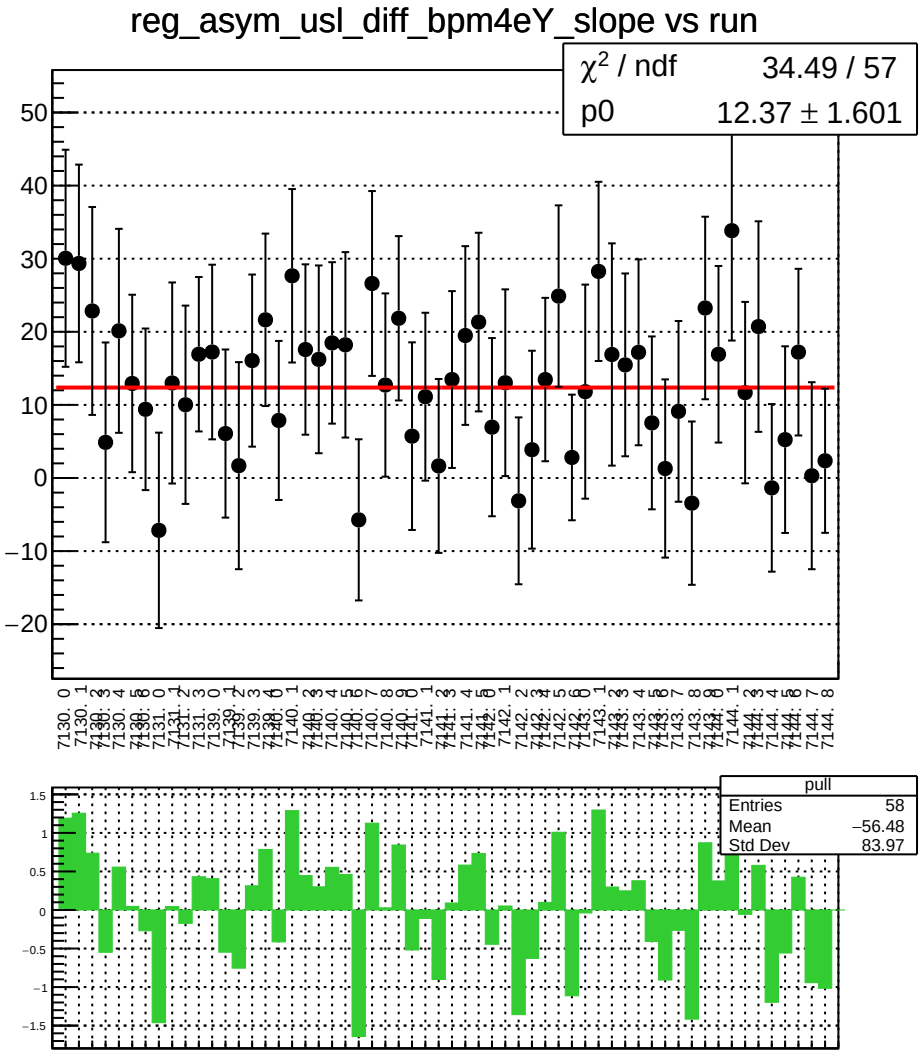

pull1D
Entries 58
Mean 0.009606
Std Dev 0.7727

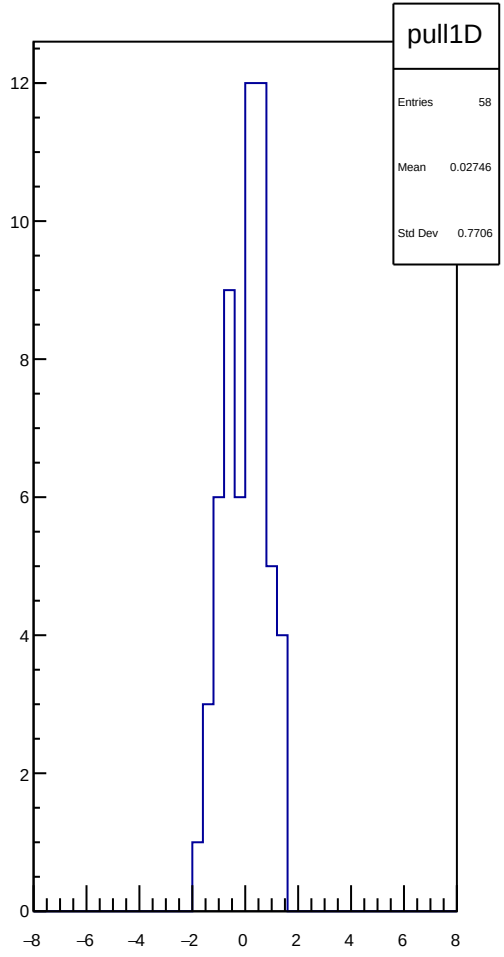

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 34.89 / 57
p0 5.961 ± 1.495
pull
Entries 58
Mean −39.9
Std Dev 68.48


pull1D
Entries 58
Mean −0.02831
Std Dev 0.7751

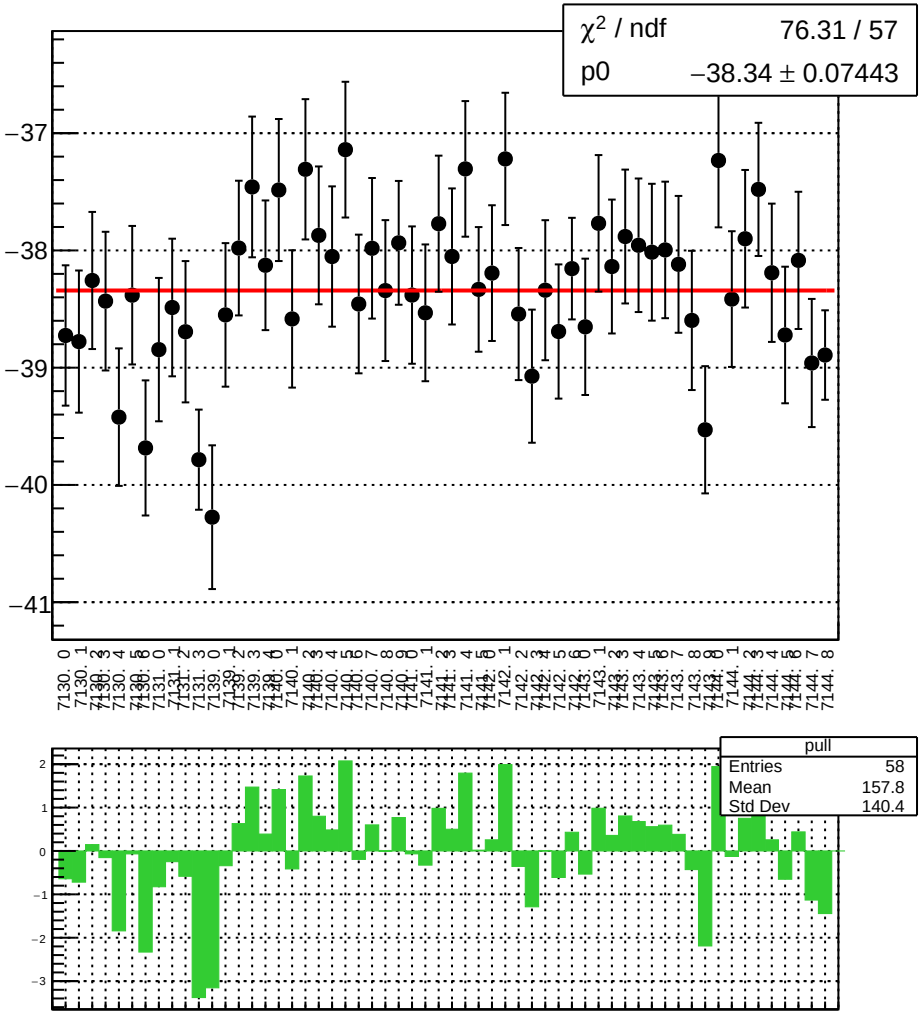

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 34.28 / 57
p0 −1.266 ± 1.68
pull
Entries 58
Mean 41.97
Std Dev 21.57

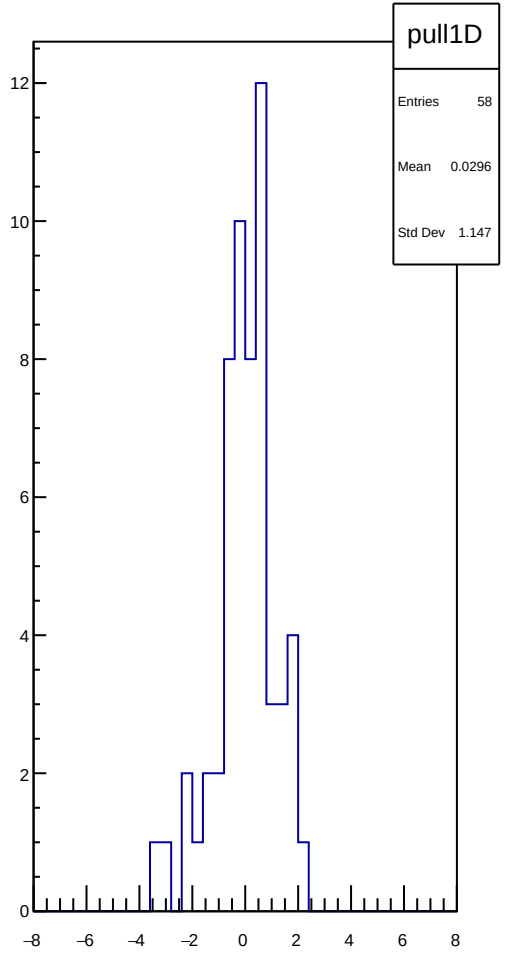

pull1D
Entries 58
Mean −0.009645
Std Dev 0.7687

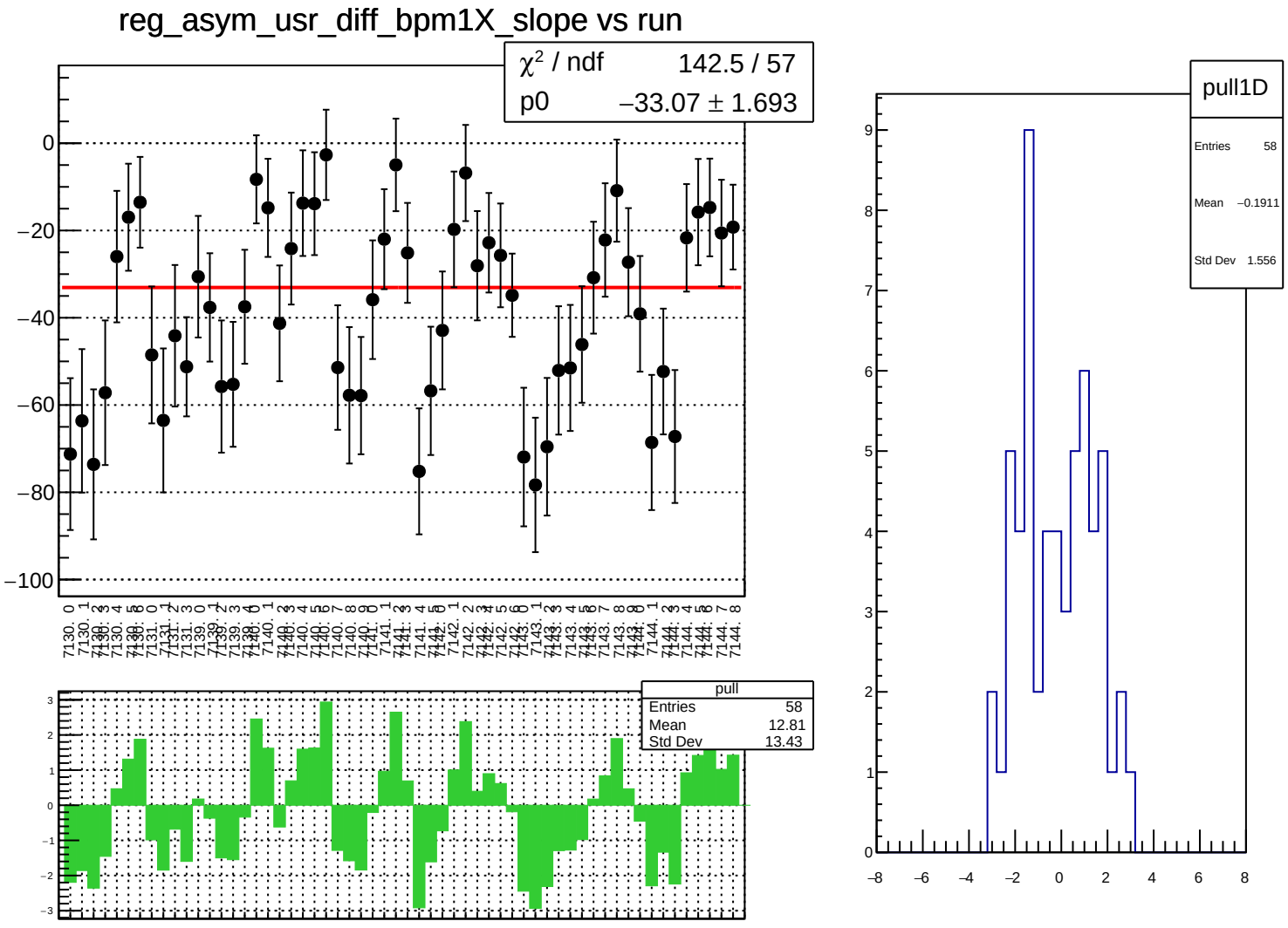

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 34.49 / 57
p0 12.37 ± 1.601
pull
Entries 58
Mean −56.48
Std Dev 83.97

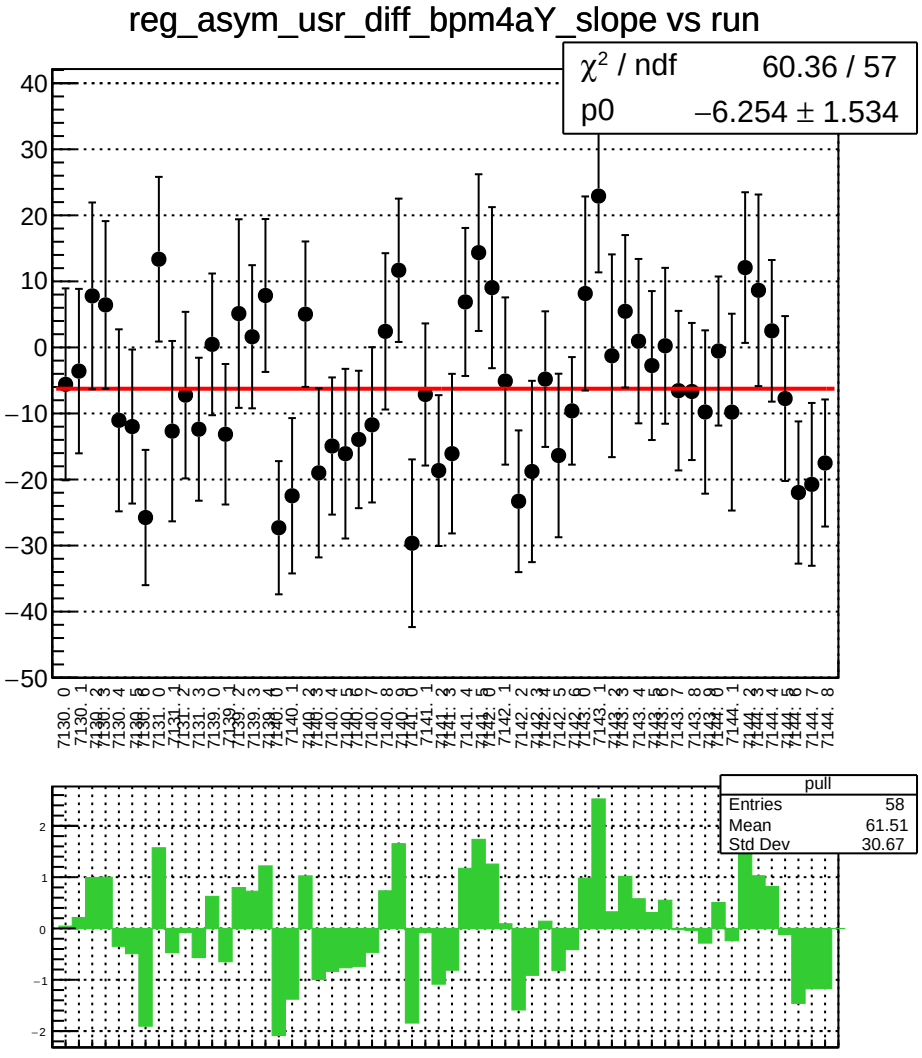

pull1D
Entries 58
Mean 0.02746
Std Dev 0.7706

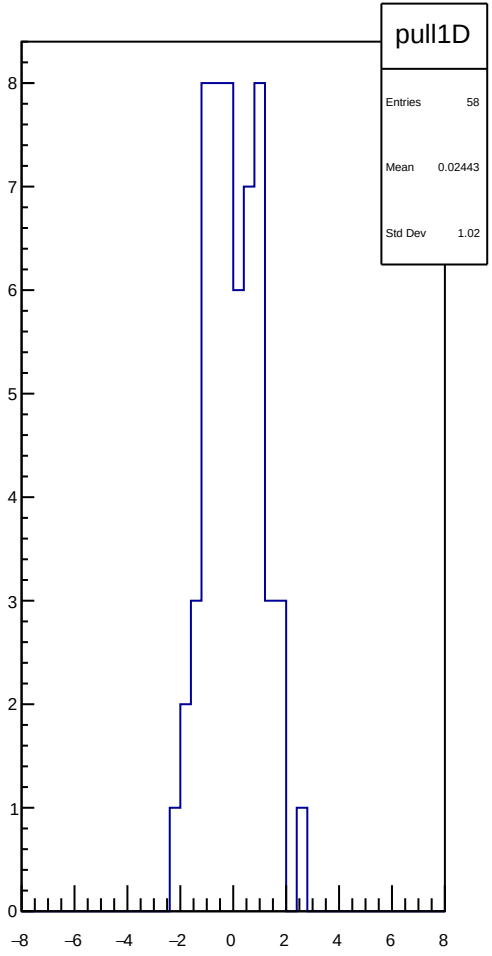
reg_asym_usl_diff_bpm12X_slope vs run

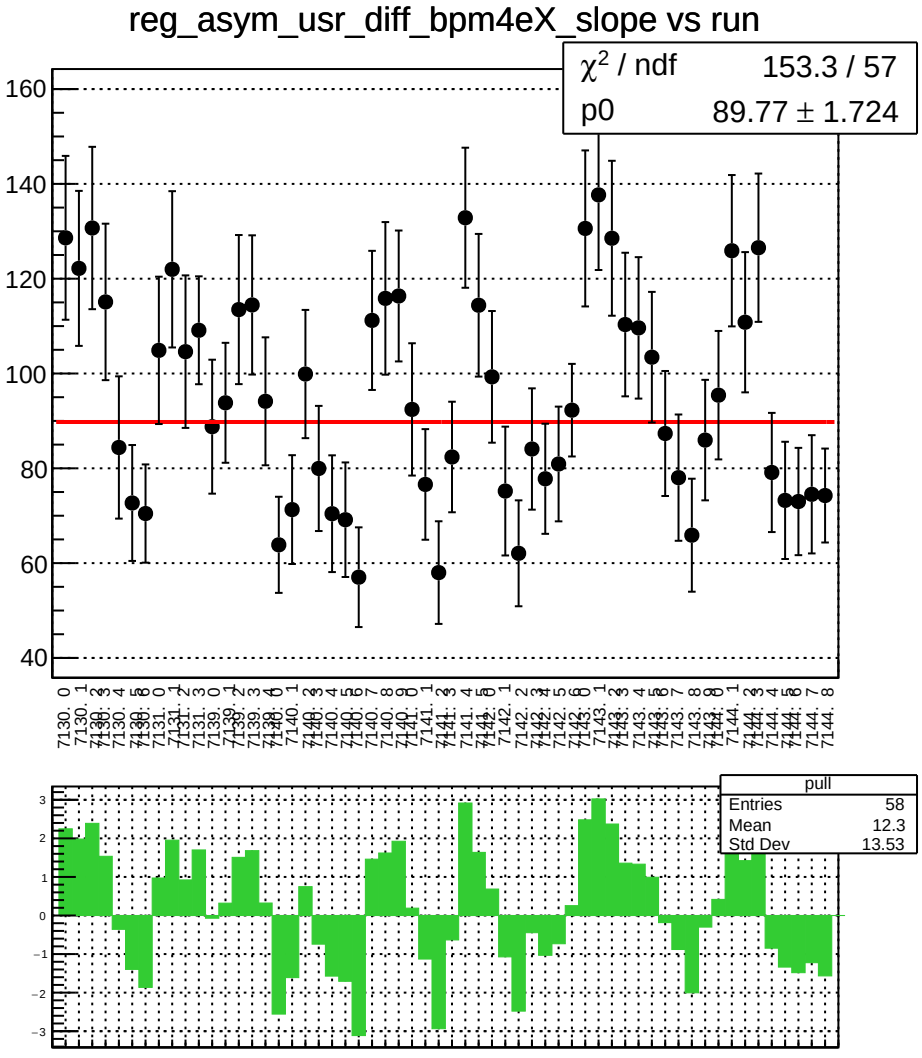


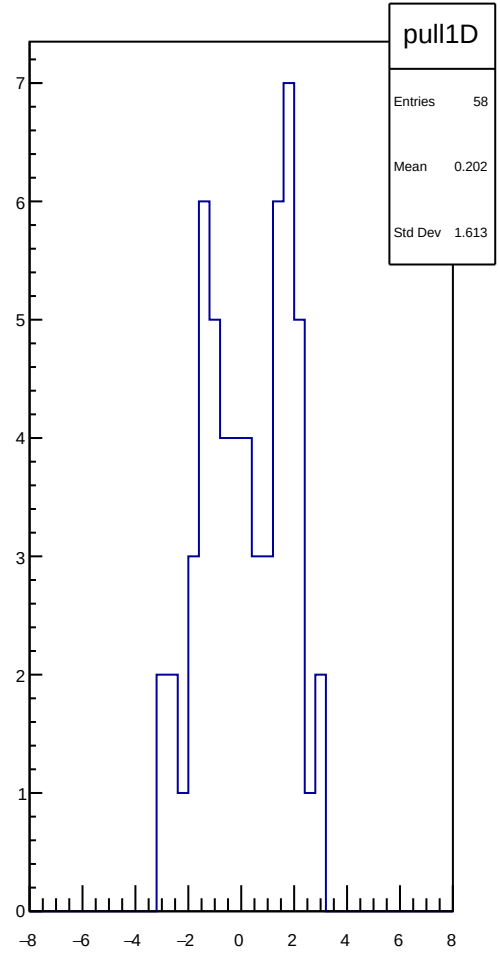


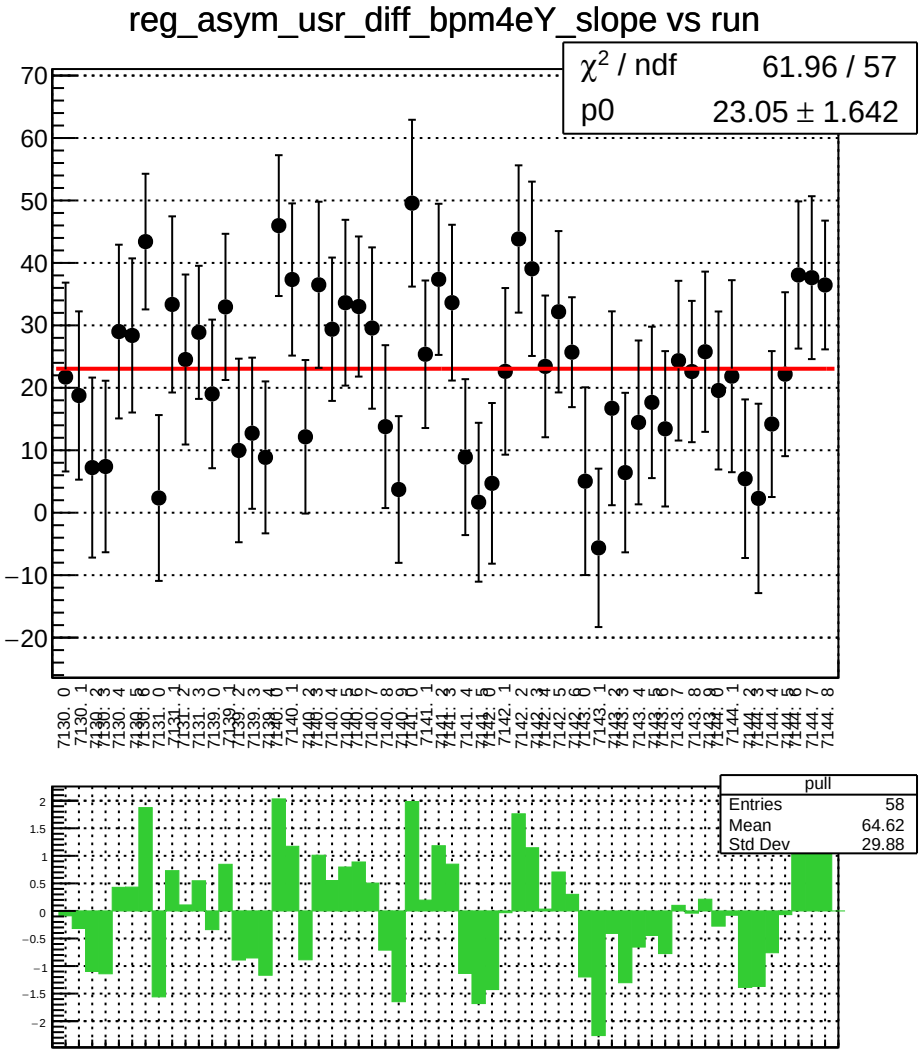

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 142.5 / 57
p0 −33.07 ± 1.693
pull
Entries 58
Mean 12.81
Std Dev 13.43
pull1D
Entries 58
Mean −0.1911
Std Dev 1.556

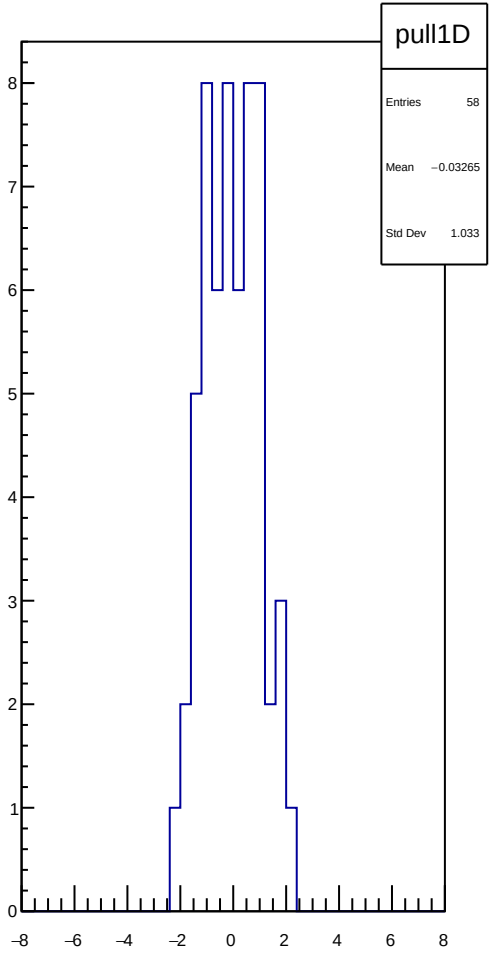

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 60.36 / 57
p0 −6.254 ± 1.534
pull
Entries 58
Mean 61.51
Std Dev 30.67

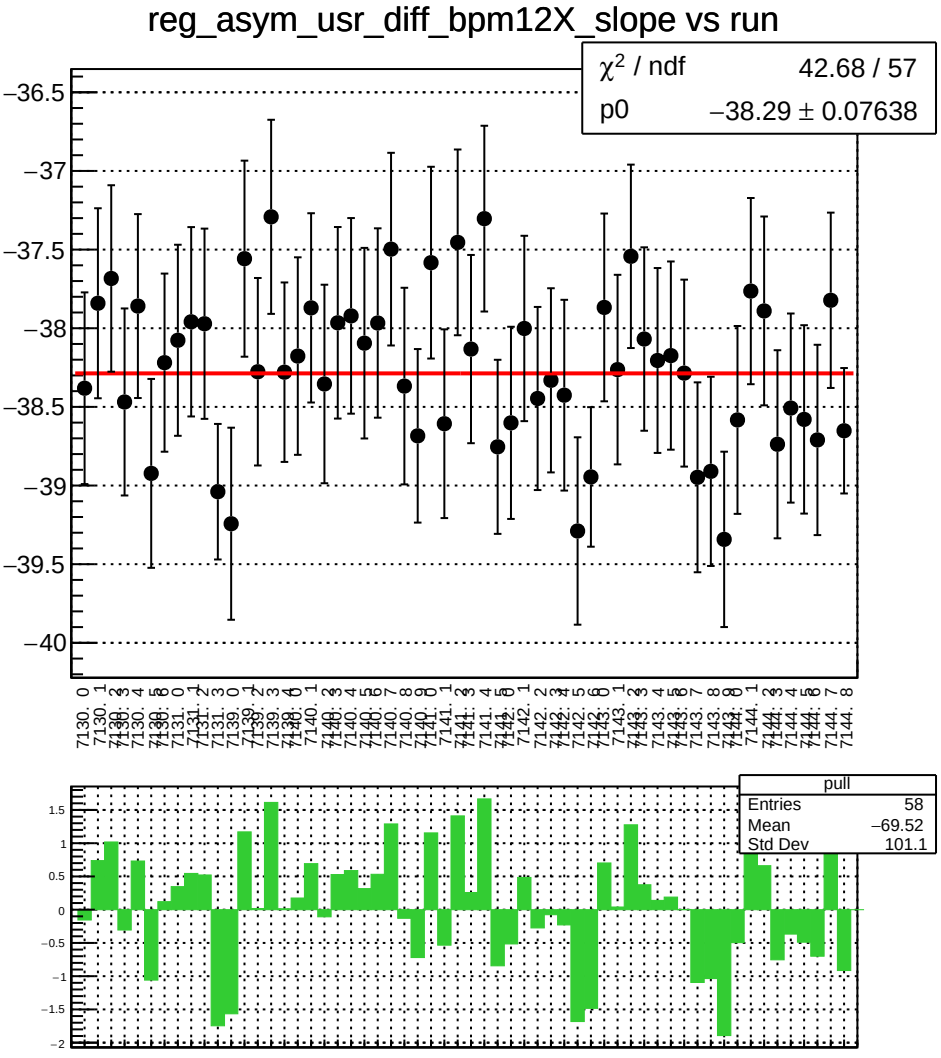

pull1D
Entries 58
Mean 0.02443
Std Dev 1.02

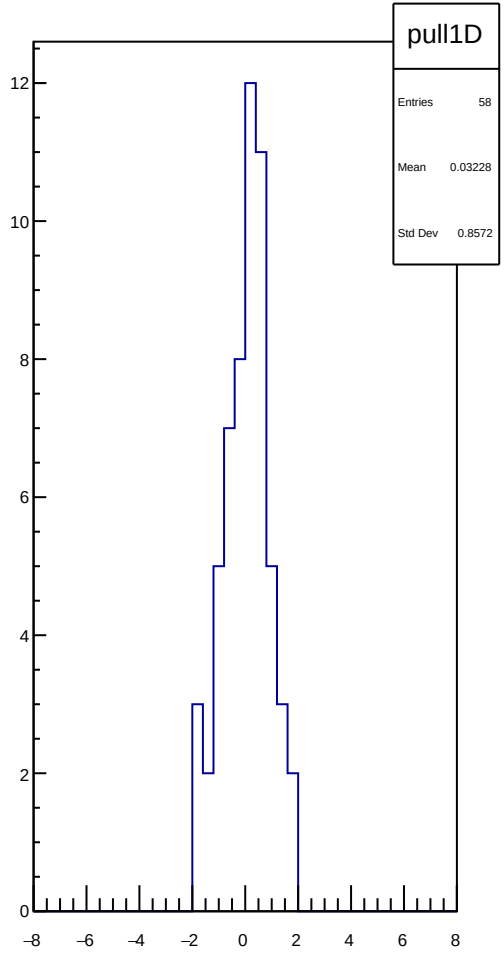

reg_asym_usr_diff_bpm4eX_slope vs run
χ2 / ndf 153.3 / 57
p0 89.77 ± 1.724
pull
Entries 58
Mean 12.3
Std Dev 13.53

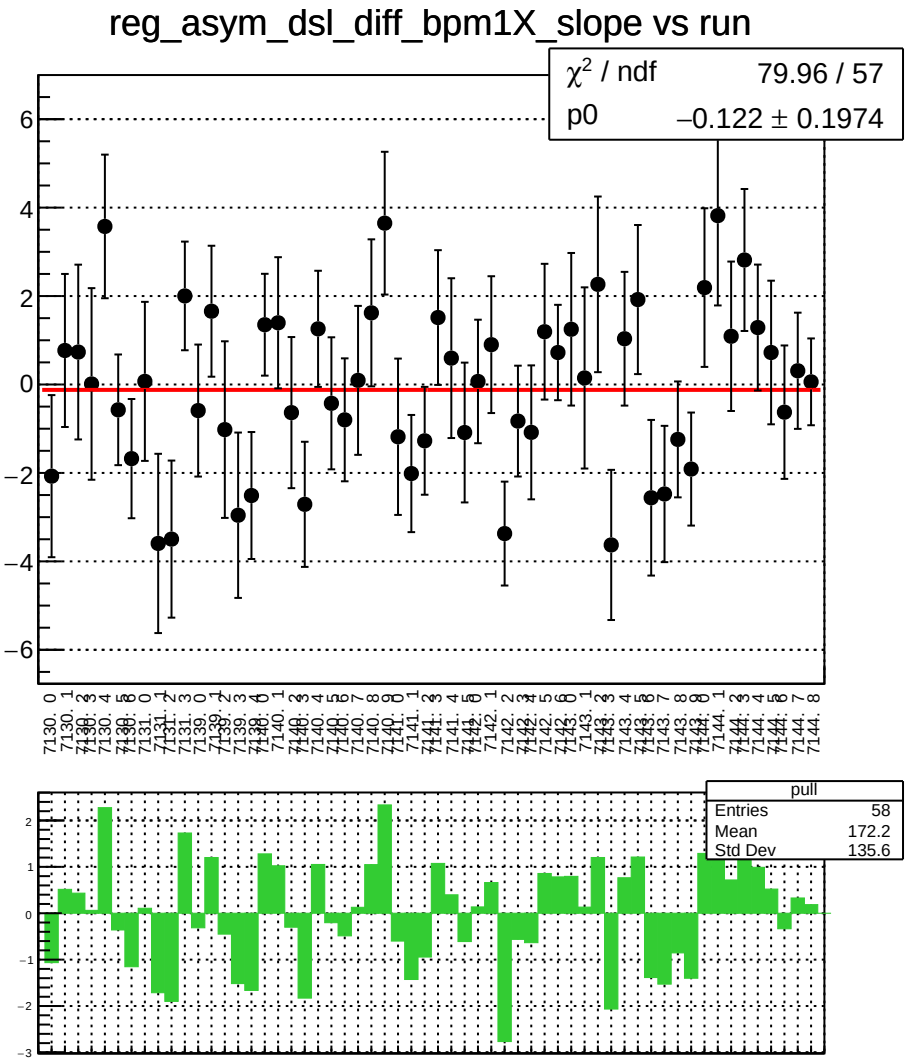

pull1D
Entries 58
Mean 0.202
Std Dev 1.613

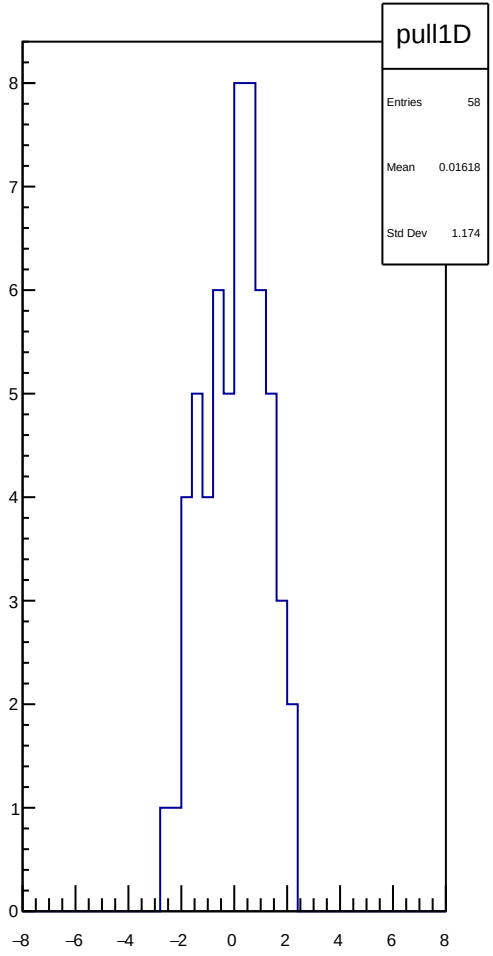

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 61.96 / 57
p0 23.05 ± 1.642
pull
Entries 58
Mean 64.62
Std Dev 29.88

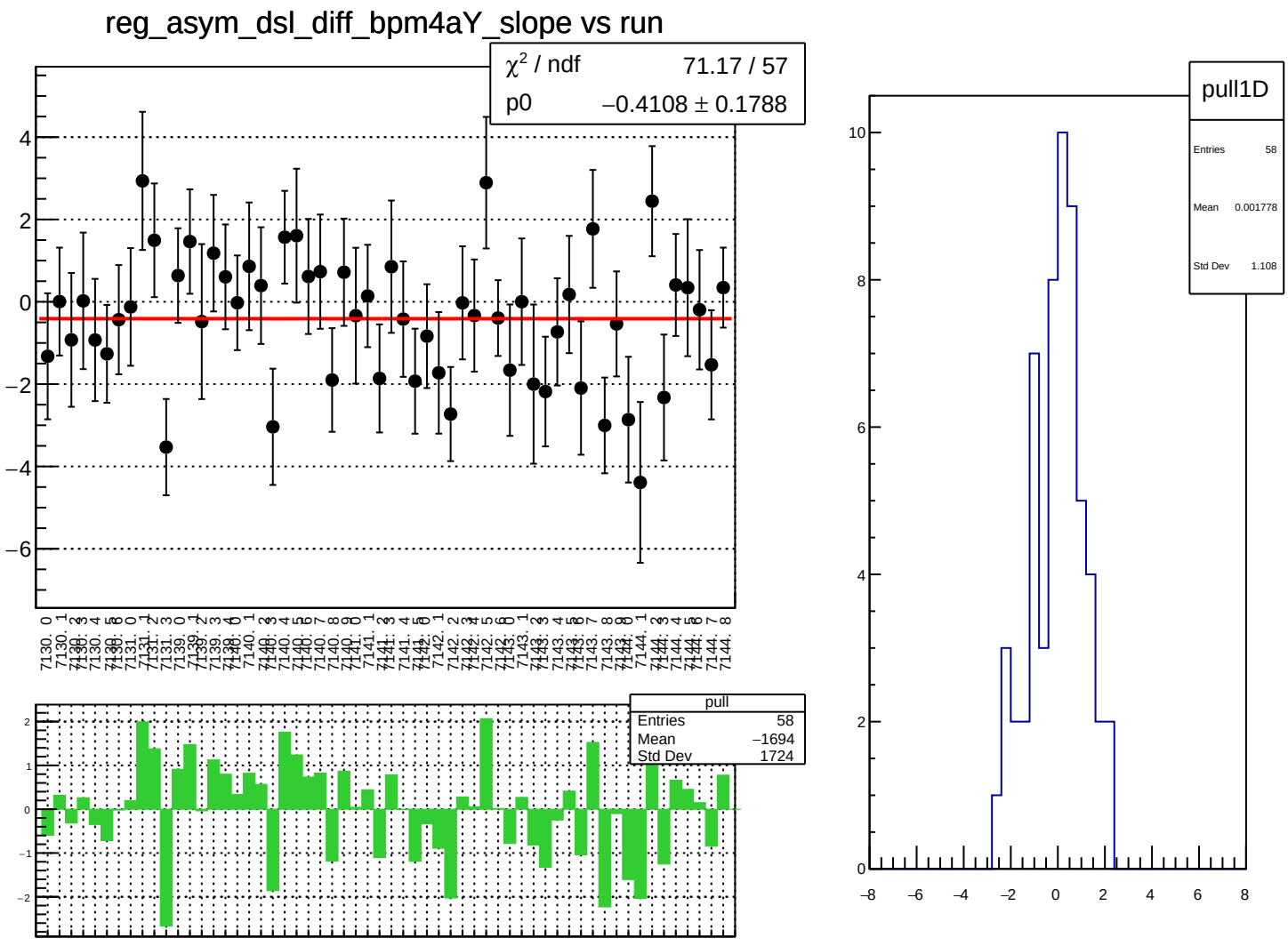

pull1D
Entries 58
Mean −0.03265
Std Dev 1.033


reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 42.68 / 57
p0 −38.29 ± 0.07638
pull
Entries 58
Mean −69.52
Std Dev 101.1

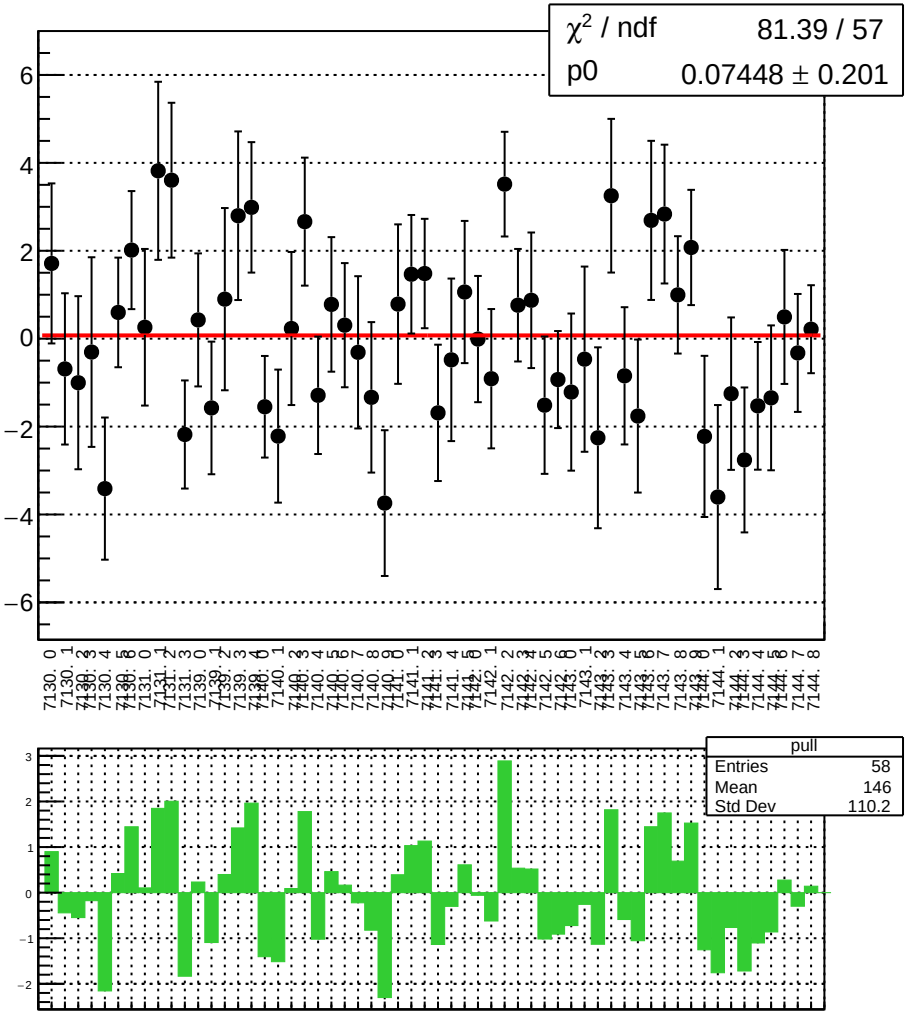

pull1D
Entries 58
Mean 0.03228
Std Dev 0.8572

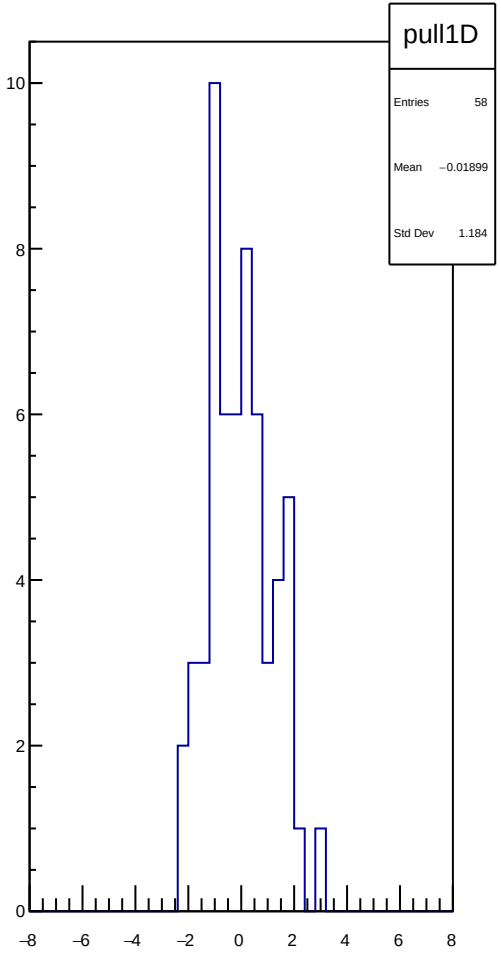

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 79.96 / 57
p0 −0.122 ± 0.1974
pull
Entries 58
Mean 172.2
Std Dev 135.6

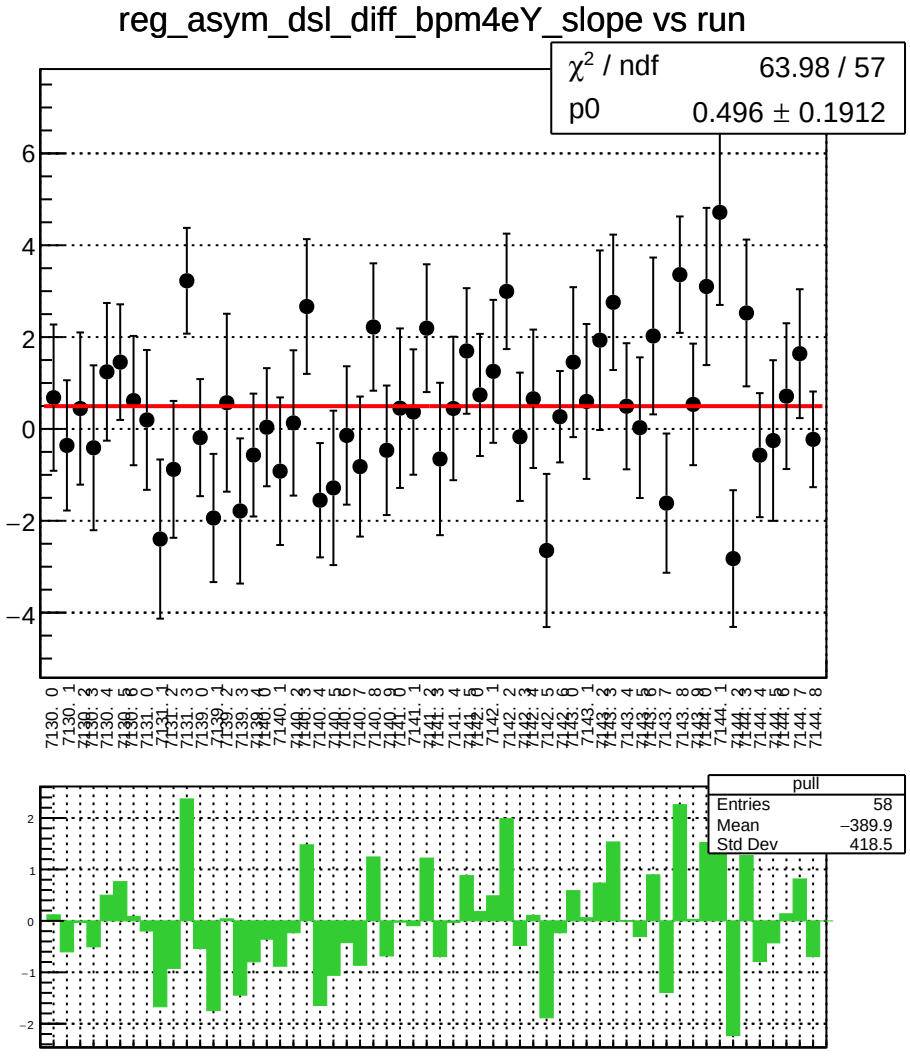

pull1D
Entries 58
Mean 0.01618
Std Dev 1.174

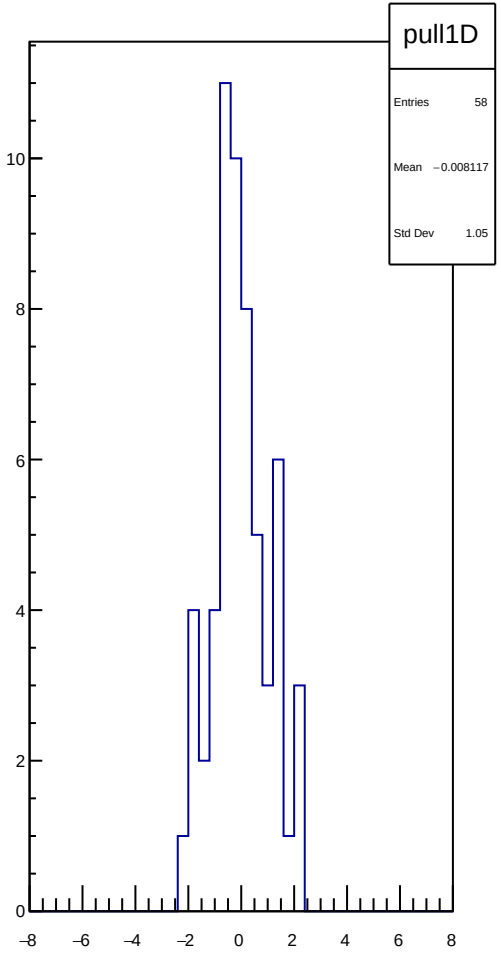

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 71.17 / 57
p0 −0.4108 ± 0.1788
pull
Entries 58
Mean −1694
Std Dev 1724
pull1D
Entries 58
Mean 0.001778
Std Dev 1.108

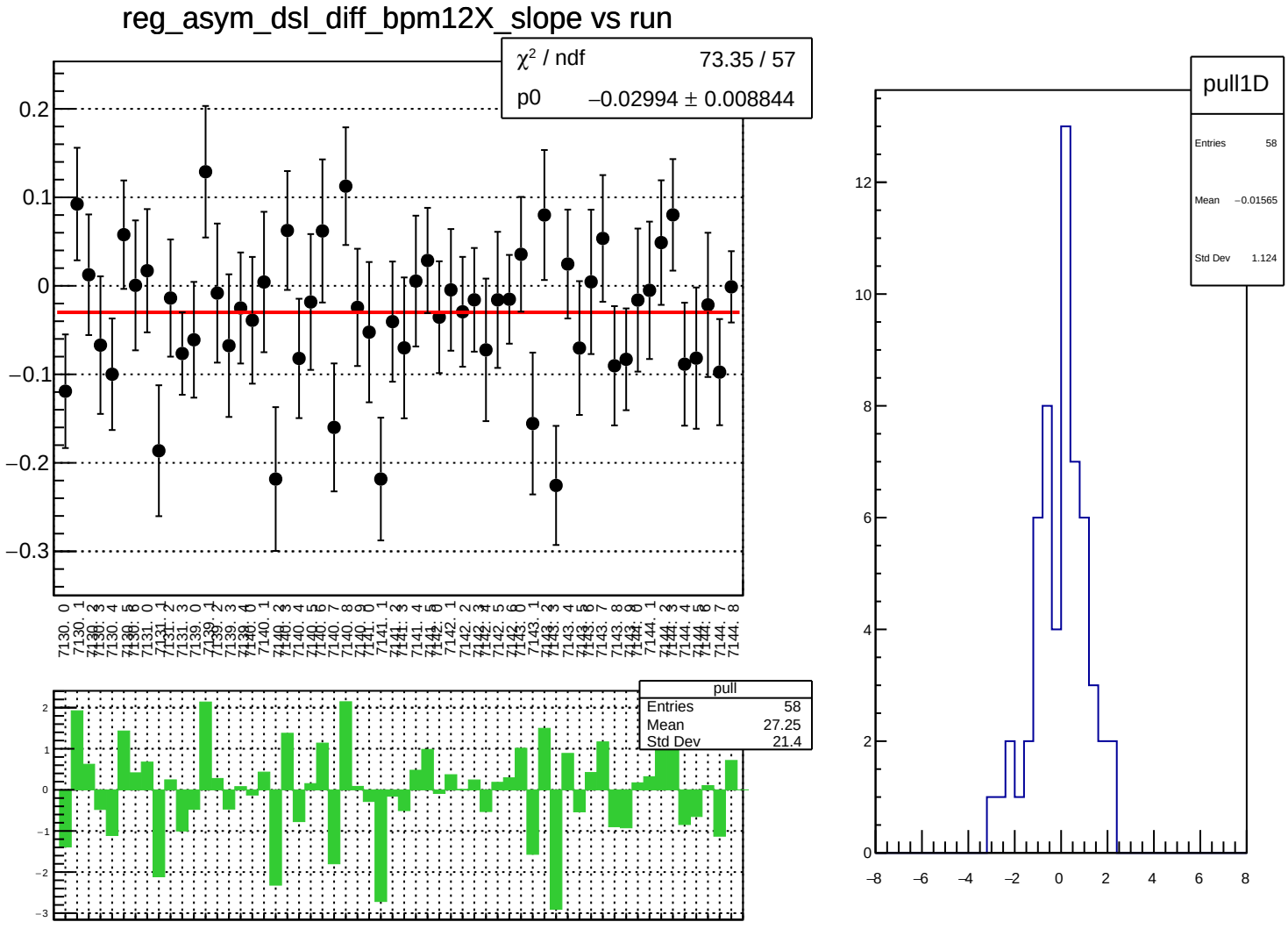
reg_asym_dsl_diff_bpm4eX_slope vs run



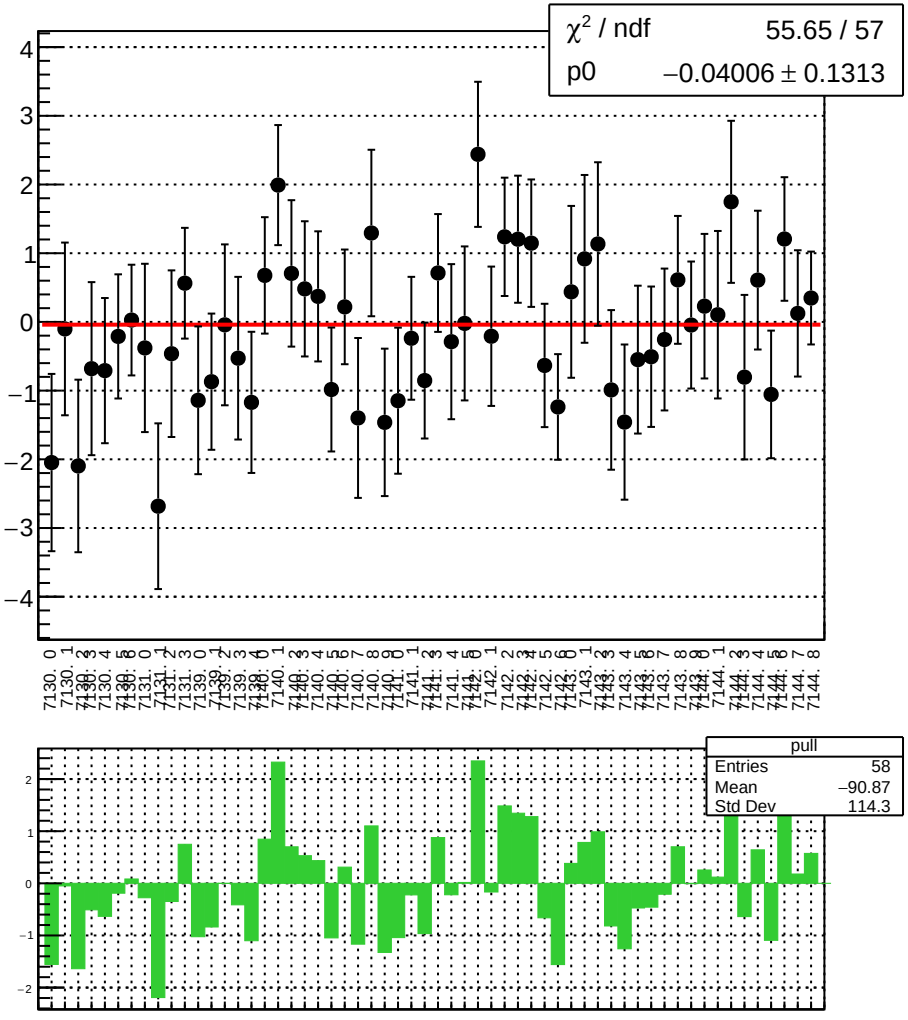


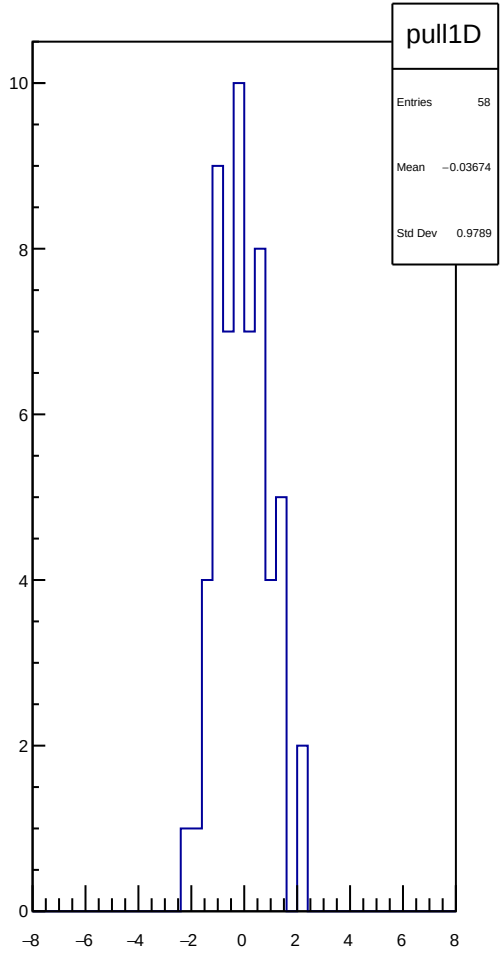

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 63.98 / 57
p0 0.496 ± 0.1912
pull
Entries 58
Mean −389.9
Std Dev 418.5

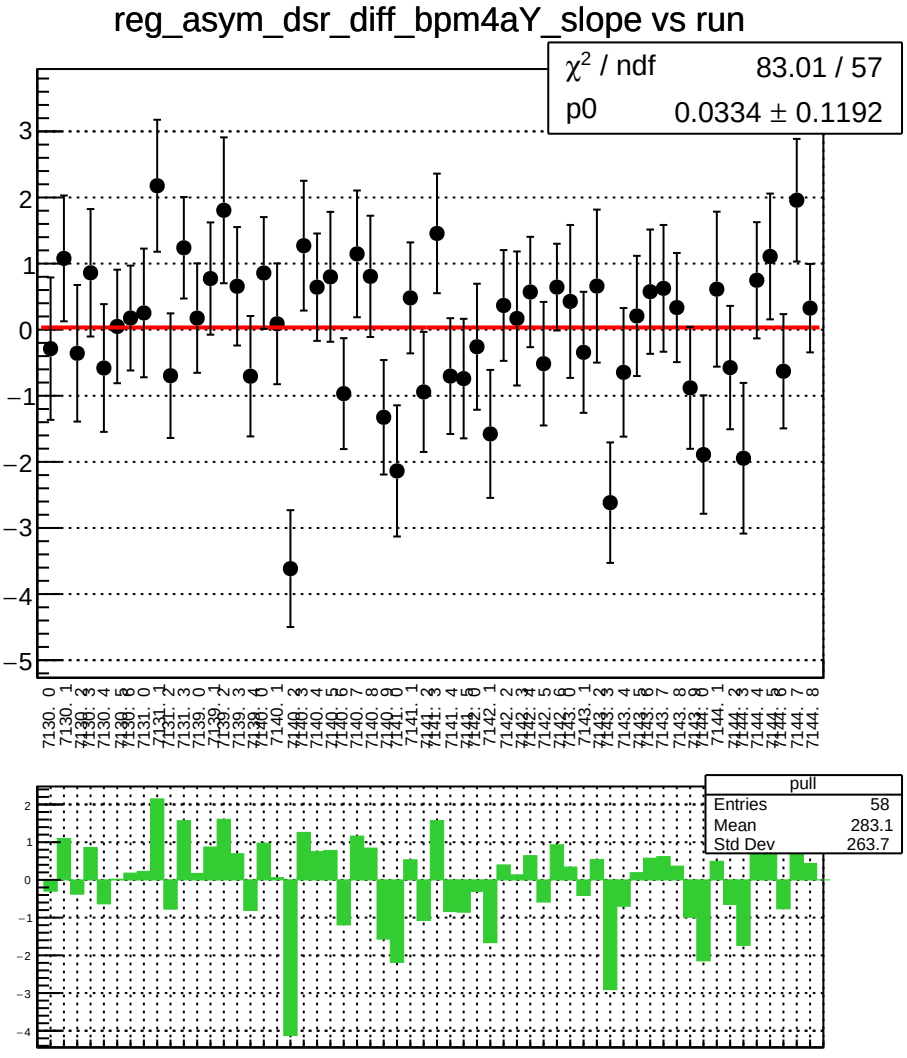

pull1D
Entries 58
Mean −0.008117
Std Dev 1.05

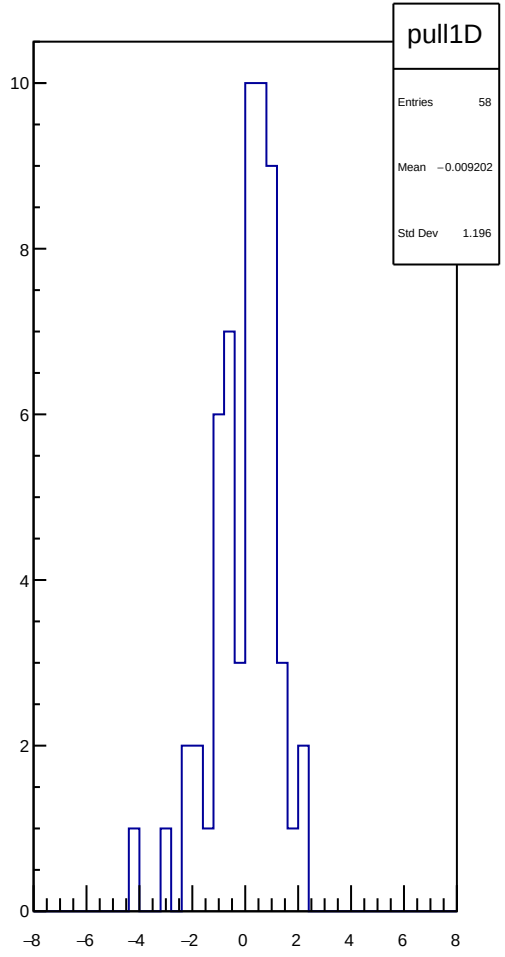

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 73.35 / 57
p0 −0.02994 ± 0.008844
pull
Entries 58
Mean 27.25
Std Dev 21.4
pull1D
Entries 58
Mean −0.01565
Std Dev 1.124

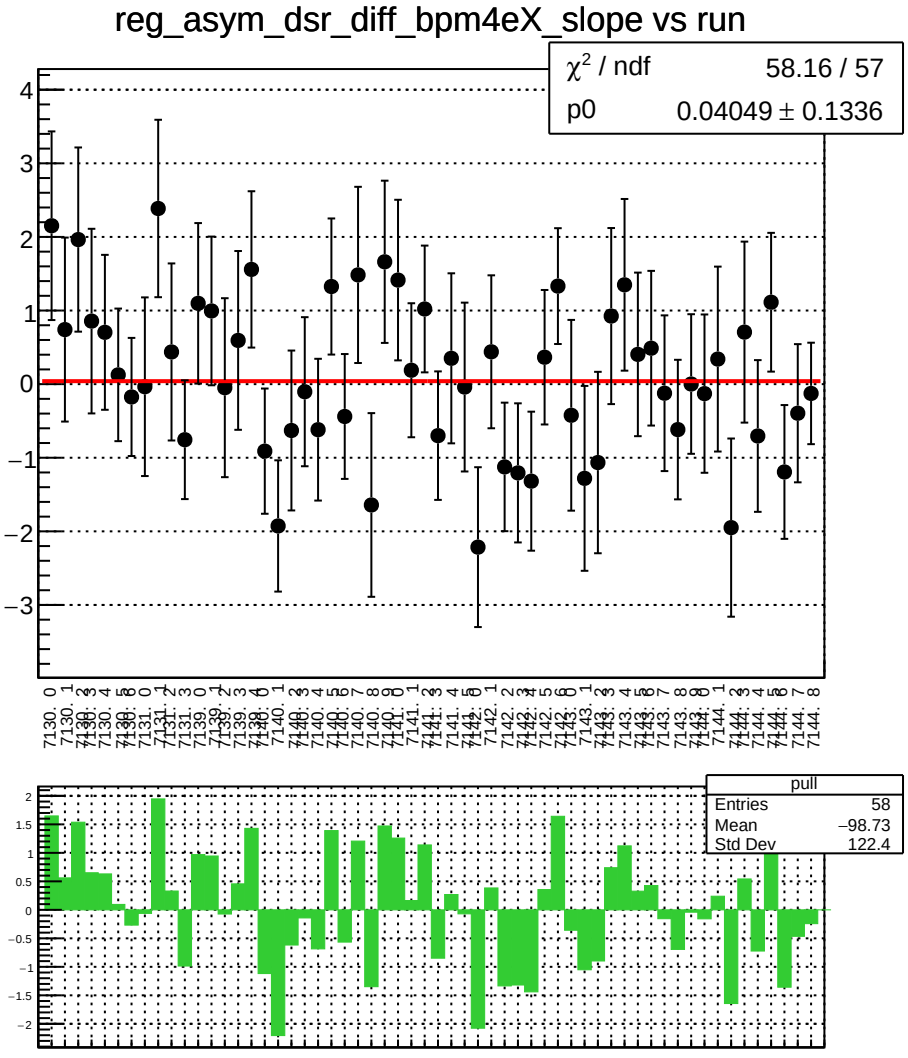
reg_asym_dsr_diff_bpm1X_slope vs run

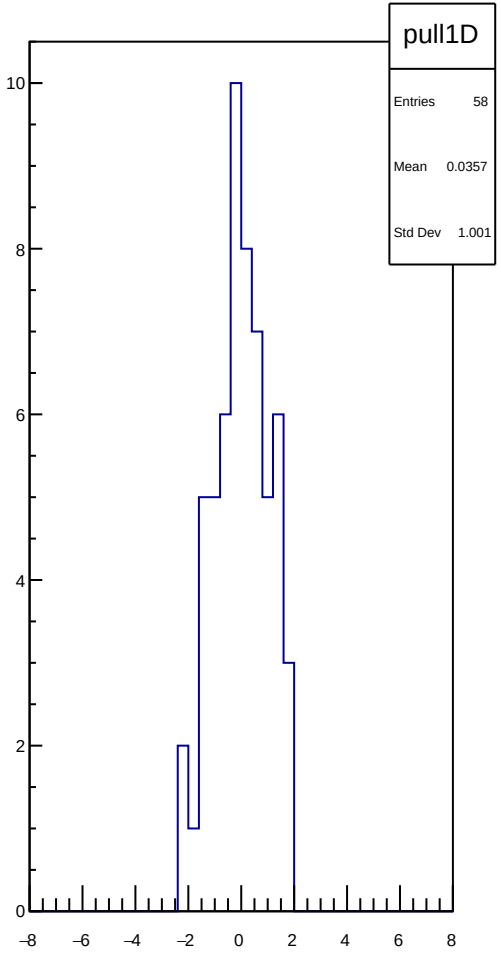


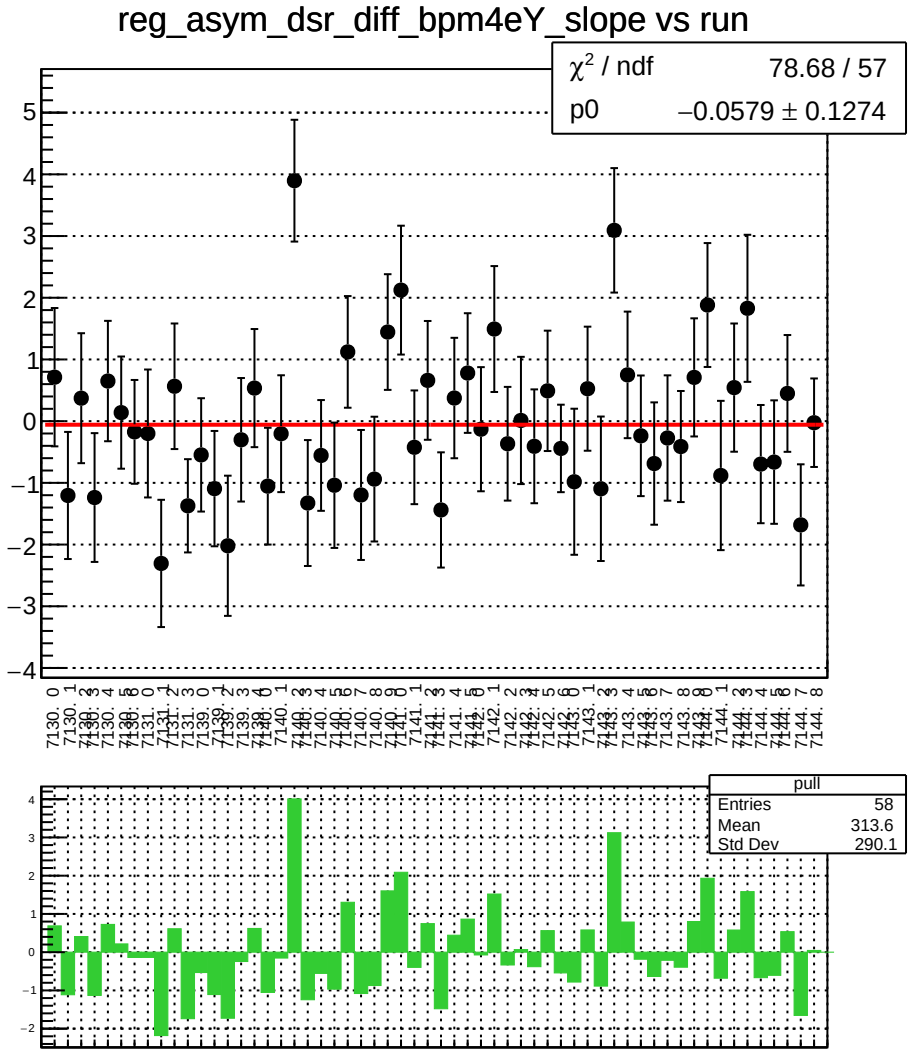


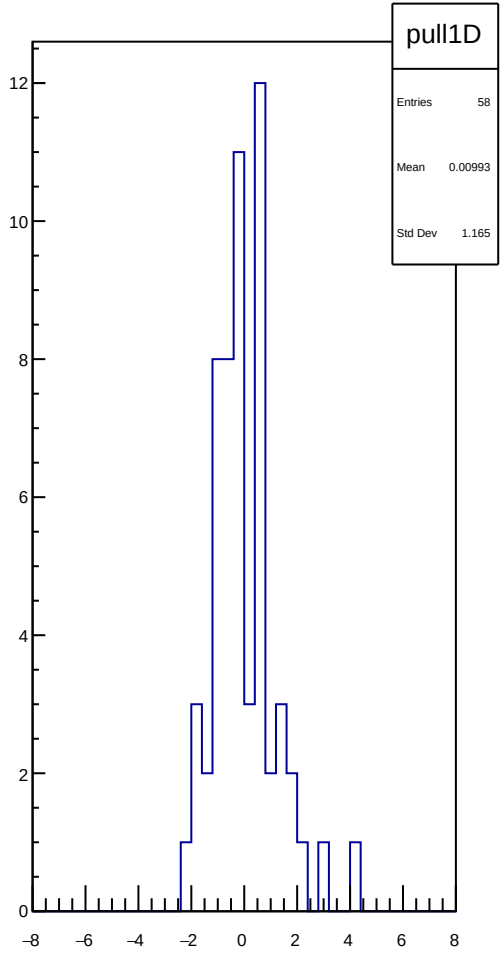

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 83.01 / 57
p0 0.0334 ± 0.1192
pull
Entries 58
Mean 283.1
Std Dev 263.7

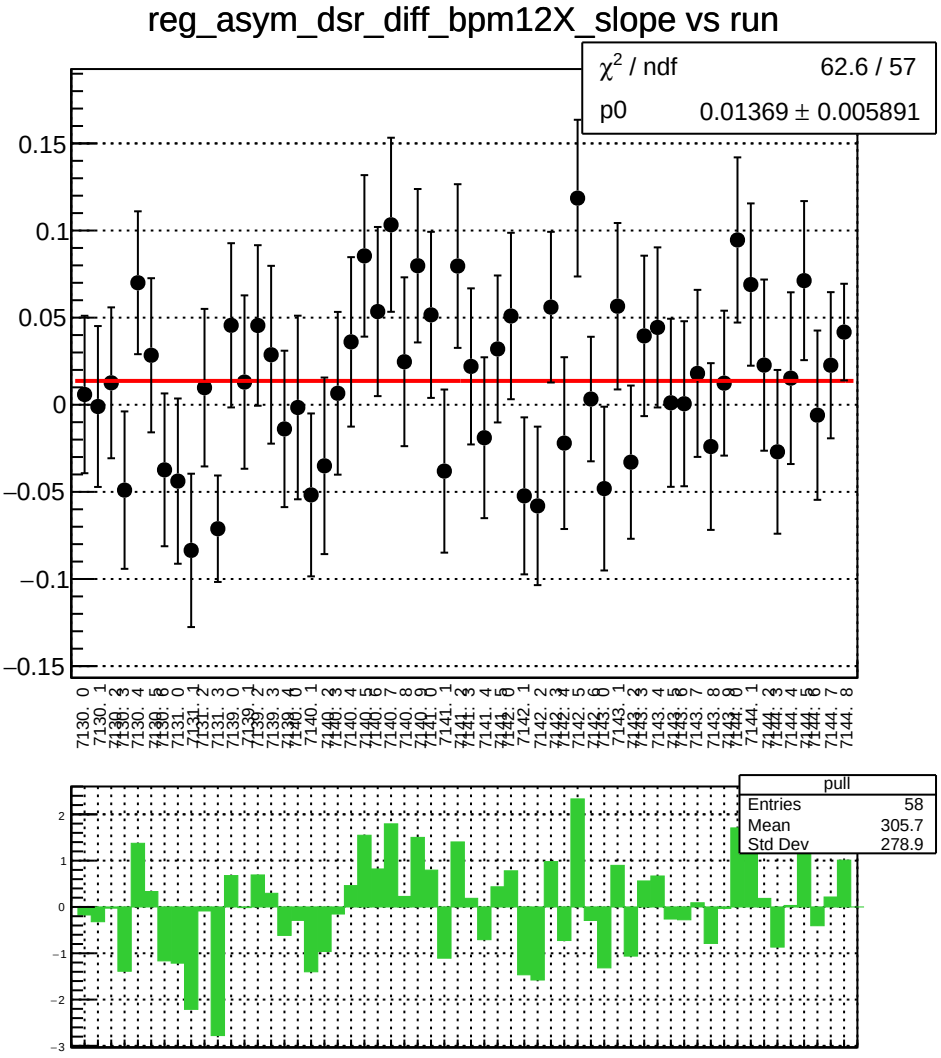

pull1D
Entries 58
Mean −0.009202
Std Dev 1.196

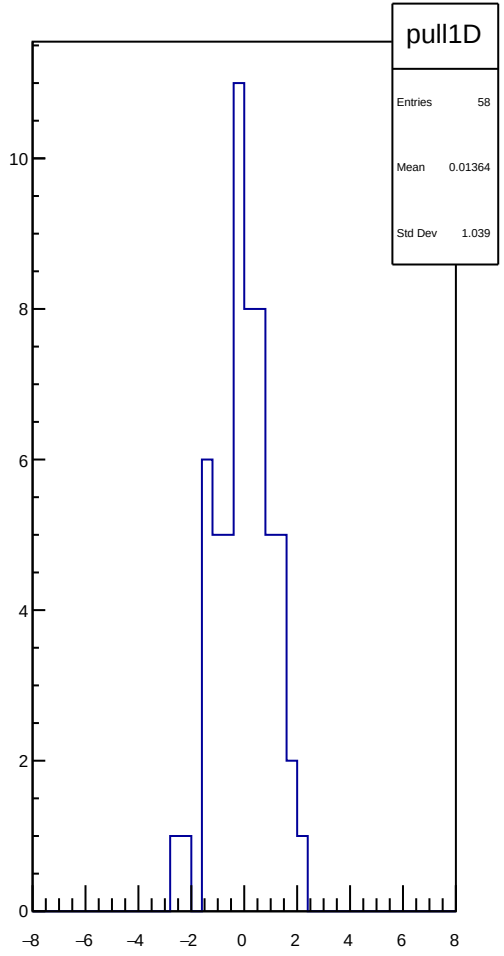

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 58.16 / 57
p0 0.04049 ± 0.1336
pull
Entries 58
Mean −98.73
Std Dev 122.4

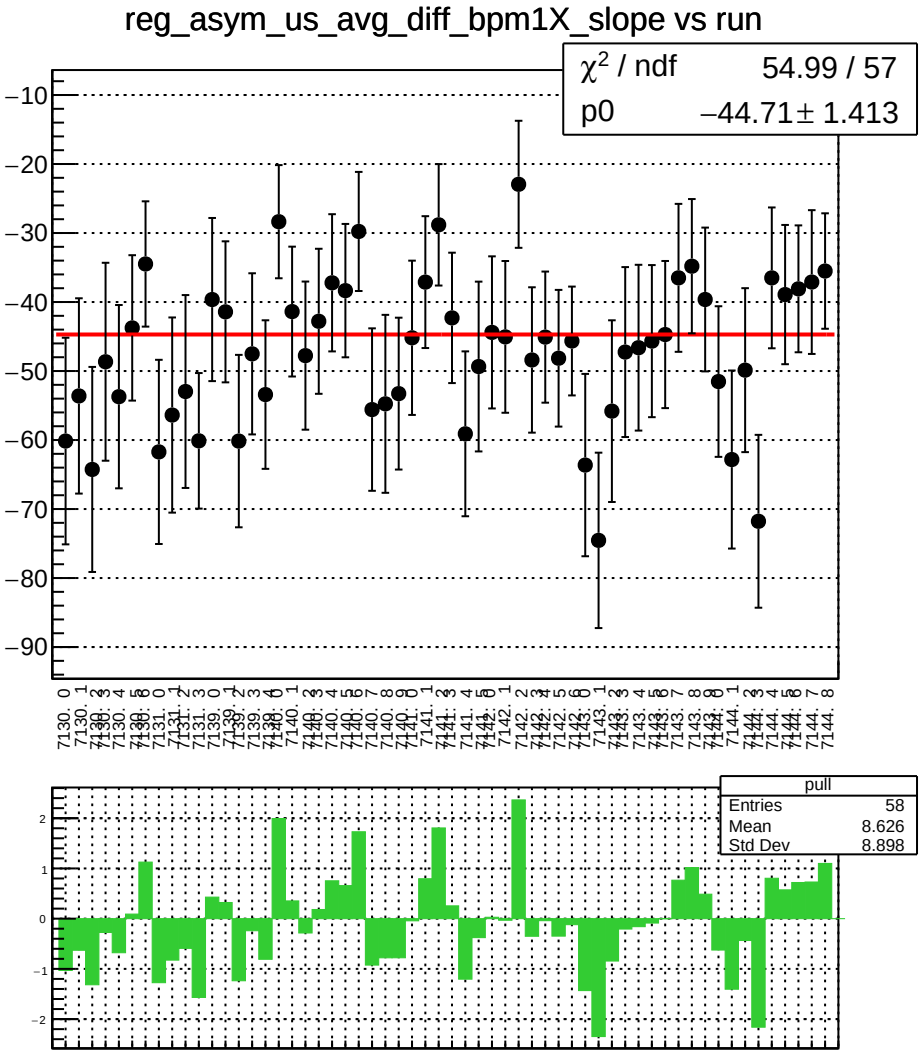

pull1D
Entries 58
Mean 0.0357
Std Dev 1.001

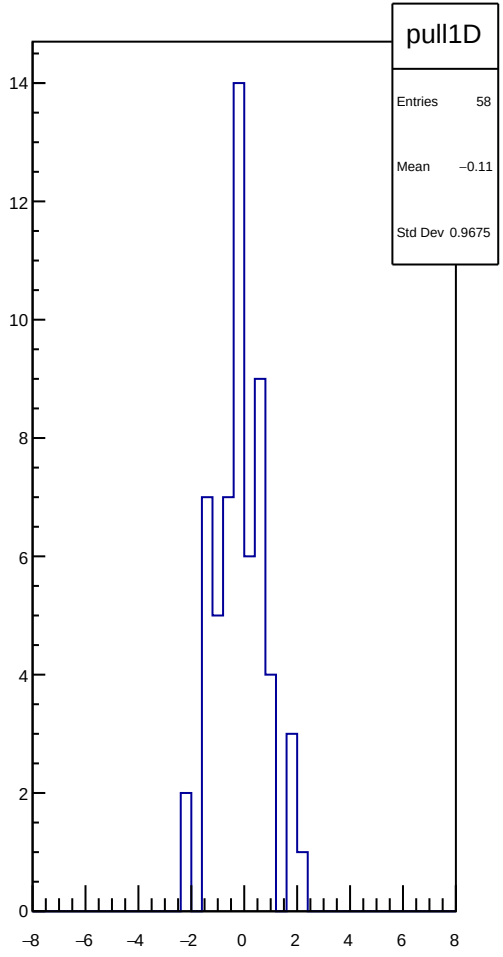

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 78.68 / 57
p0 −0.0579 ± 0.1274
pull
Entries 58
Mean 313.6
Std Dev 290.1

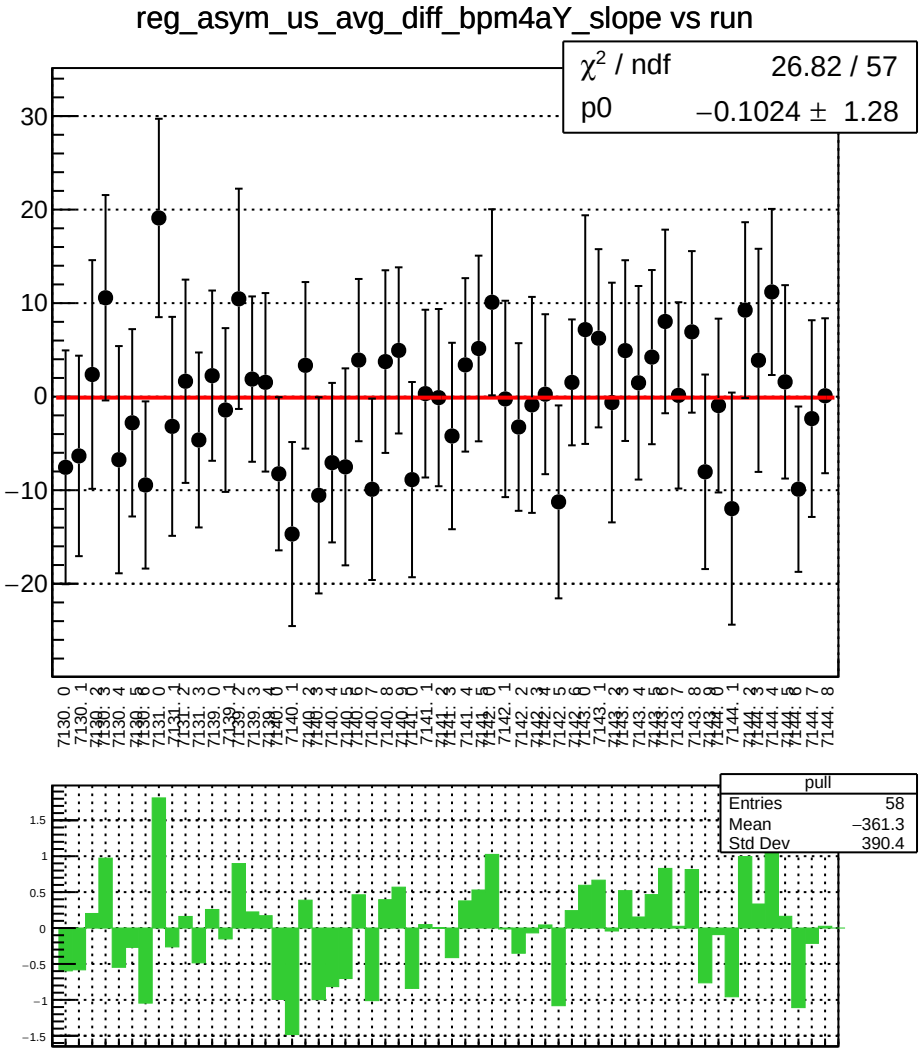

pull1D
Entries 58
Mean 0.00993
Std Dev 1.165

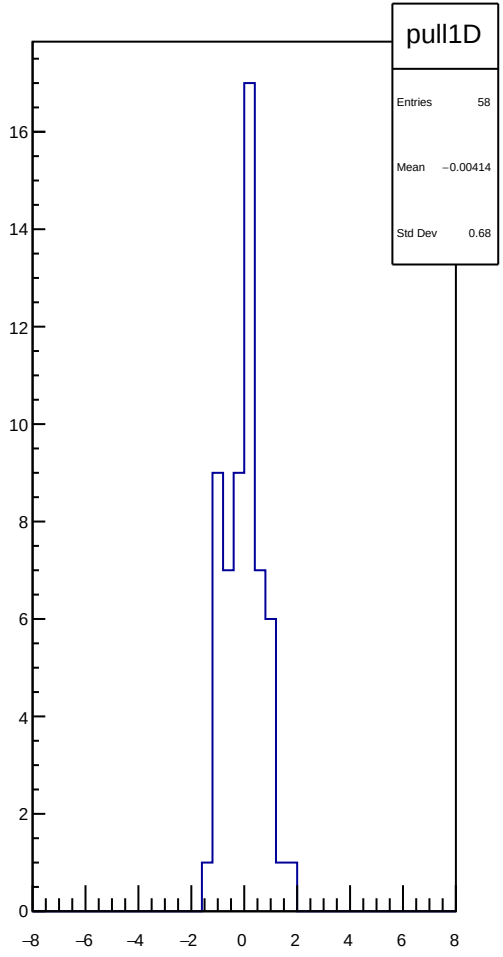

reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 62.6 / 57
p0 0.01369 ± 0.005891
pull
Entries 58
Mean 305.7
Std Dev 278.9

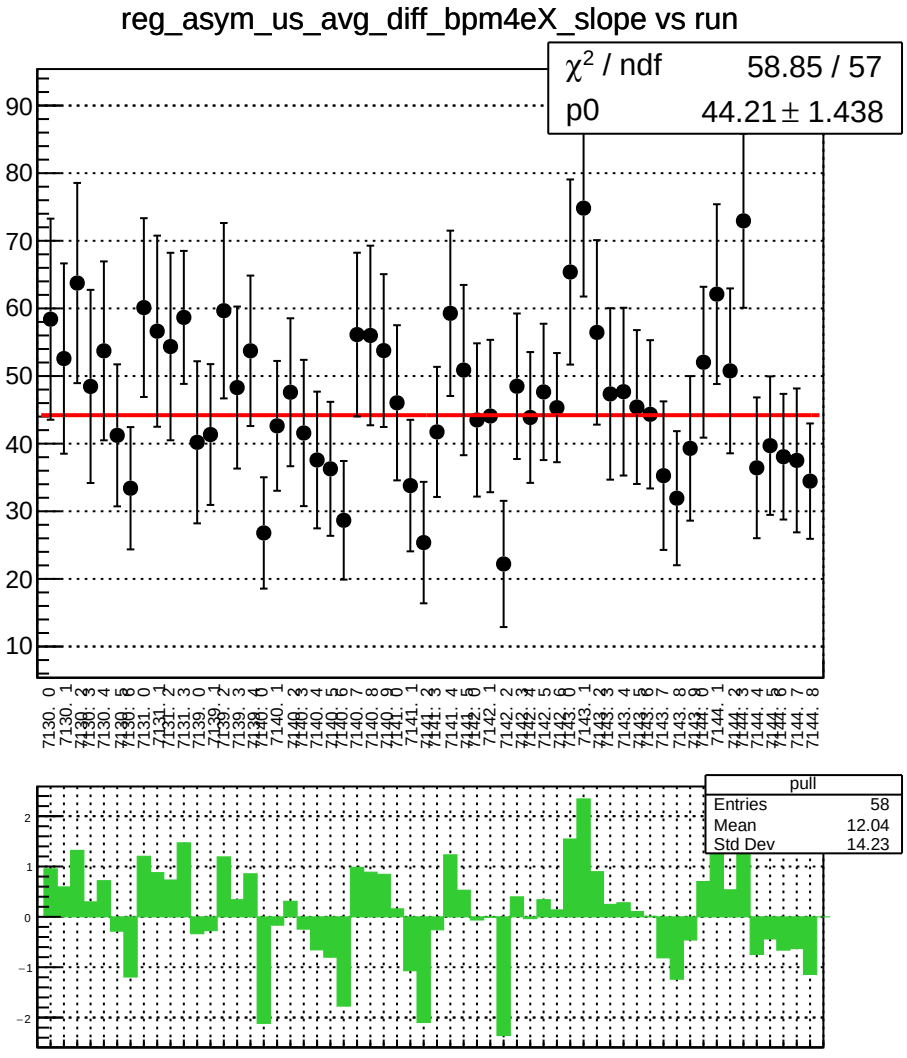

pull1D
Entries 58
Mean 0.01364
Std Dev 1.039

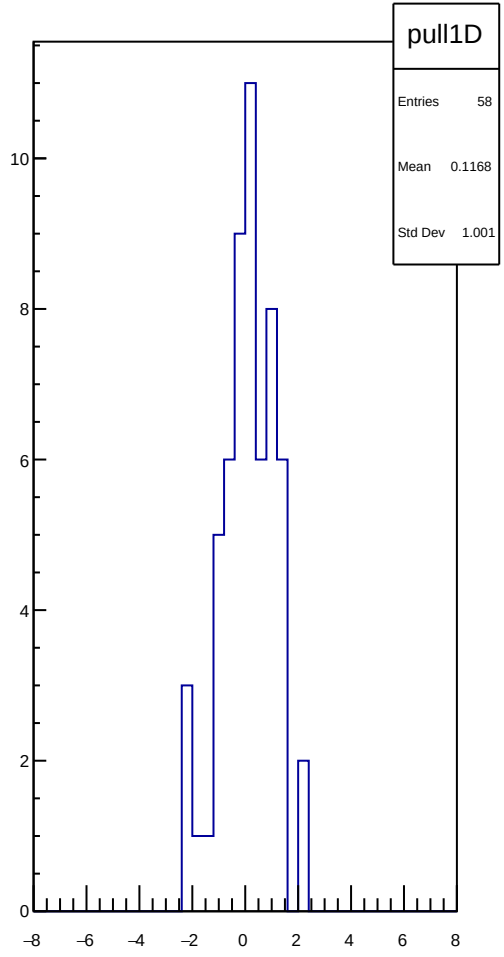

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 54.99 / 57
p0 −44.71 ± 1.413
pull
Entries 58
Mean 8.626
Std Dev 8.898

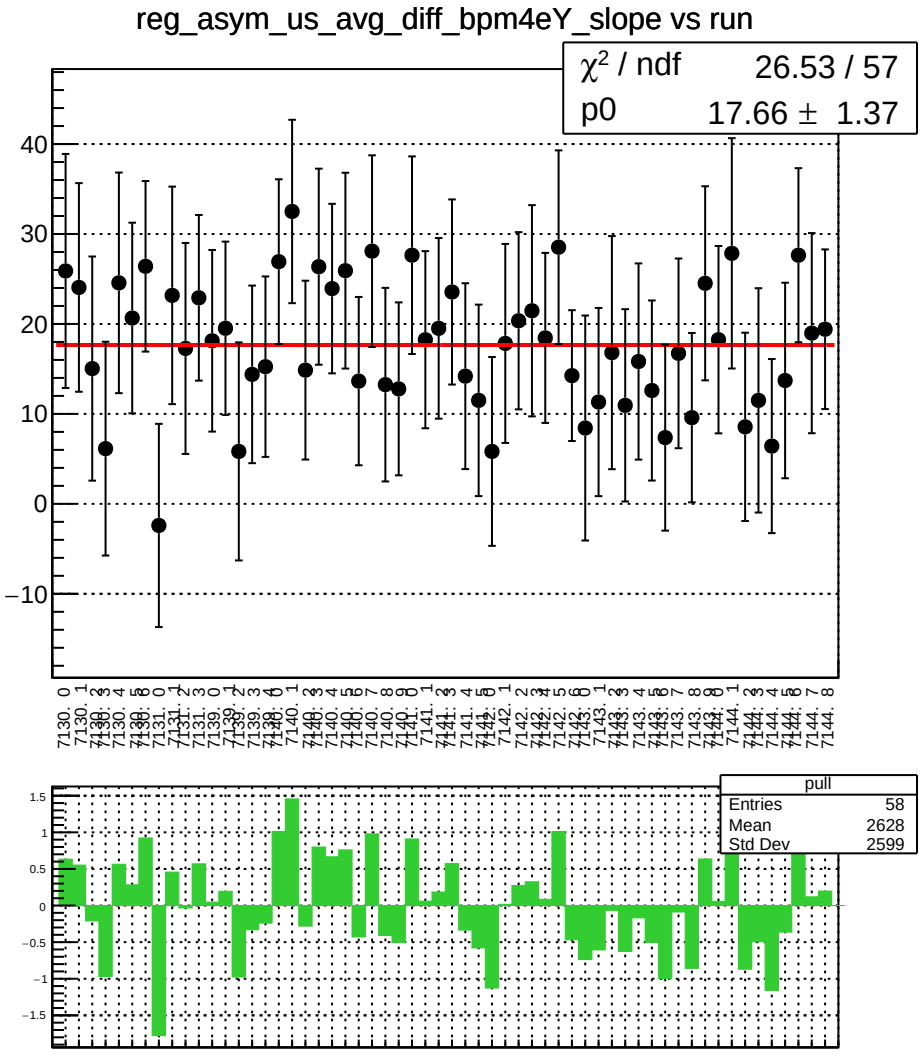

pull1D
Entries 58
Mean −0.11
Std Dev 0.9675

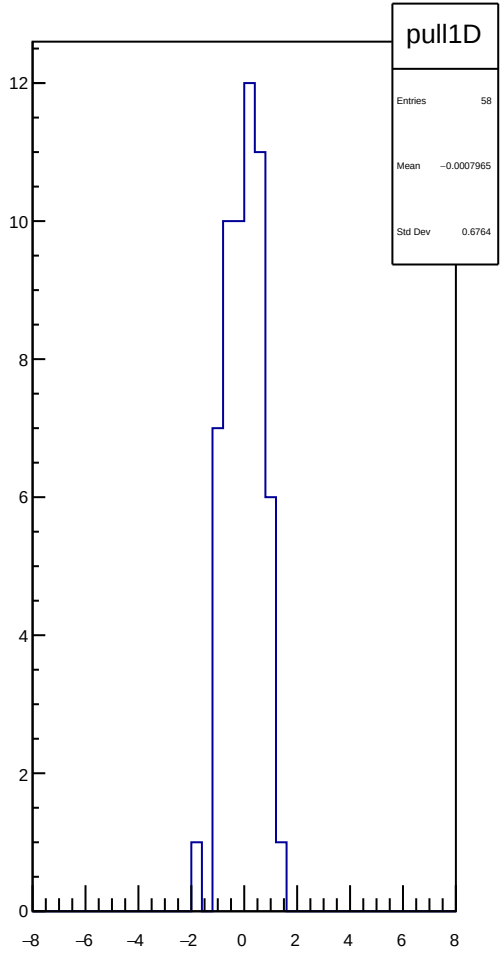

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.82 / 57
p0 −0.1024 ± 1.28
pull
Entries 58
Mean −361.3
Std Dev 390.4

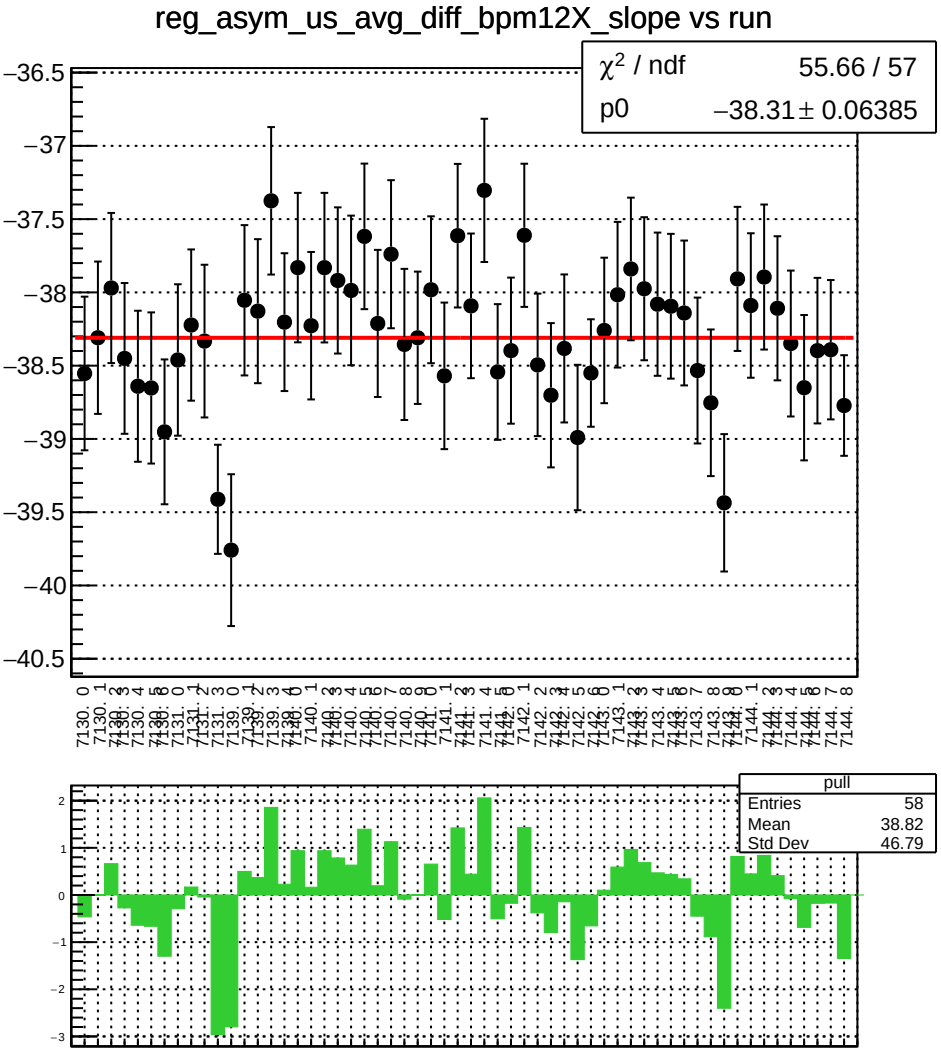

pull1D
Entries 58
Mean −0.00414
Std Dev 0.68

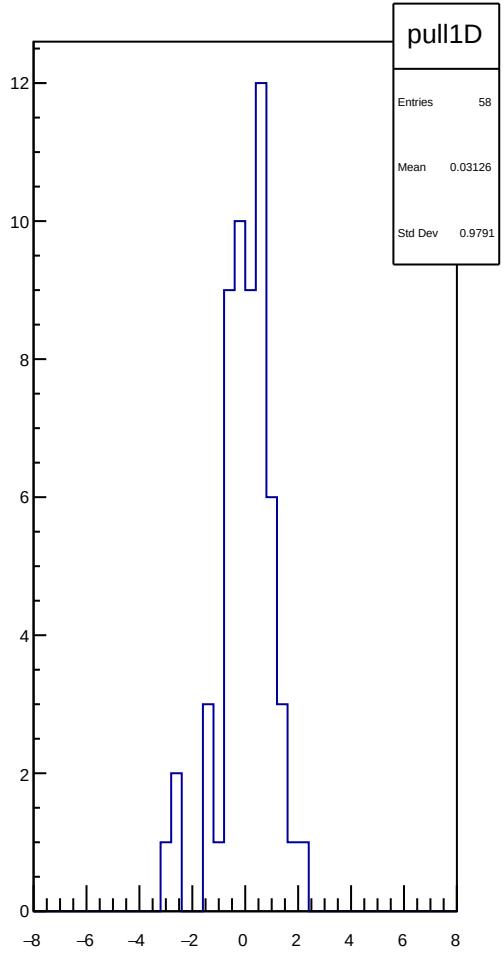

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 58.85 / 57
p0 44.21 ± 1.438
pull
Entries 58
Mean 12.04
Std Dev 14.23

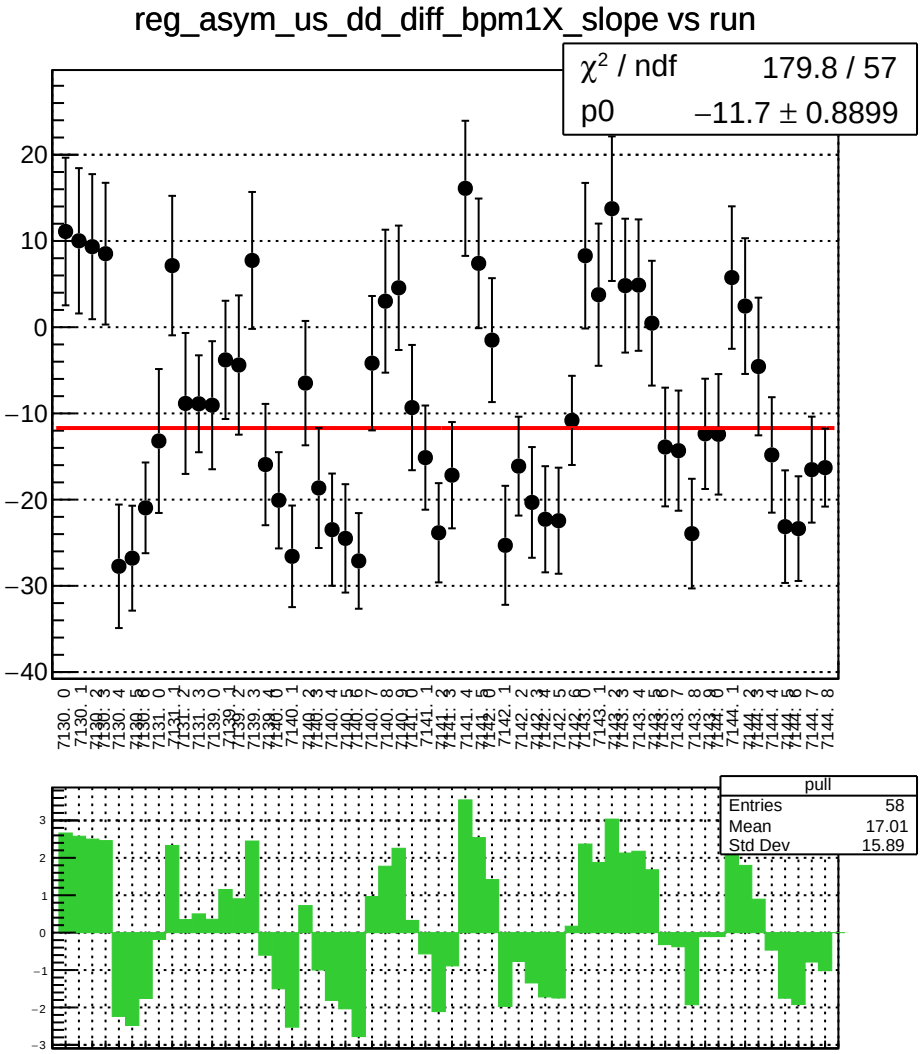

pull1D
Entries 58
Mean 0.1168
Std Dev 1.001

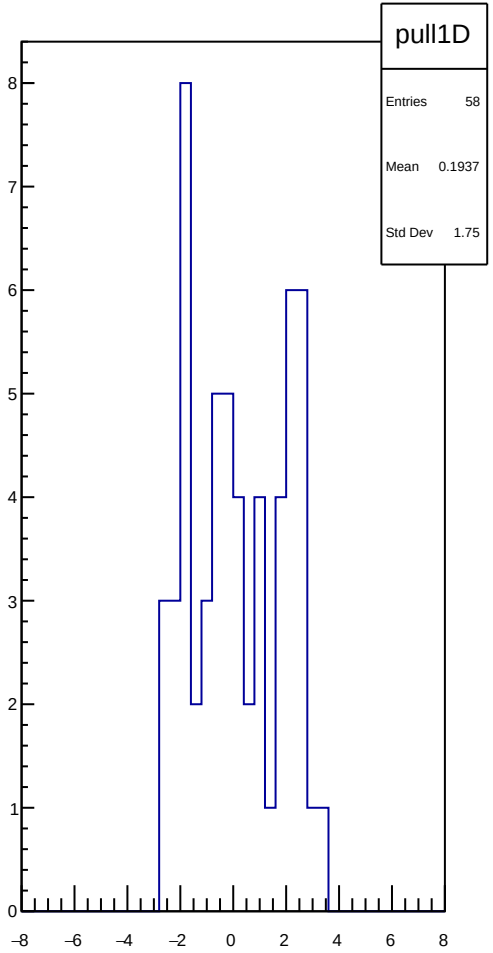

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.53 / 57
p0 17.66 ± 1.37
pull
Entries 58
Mean 2628
Std Dev 2599

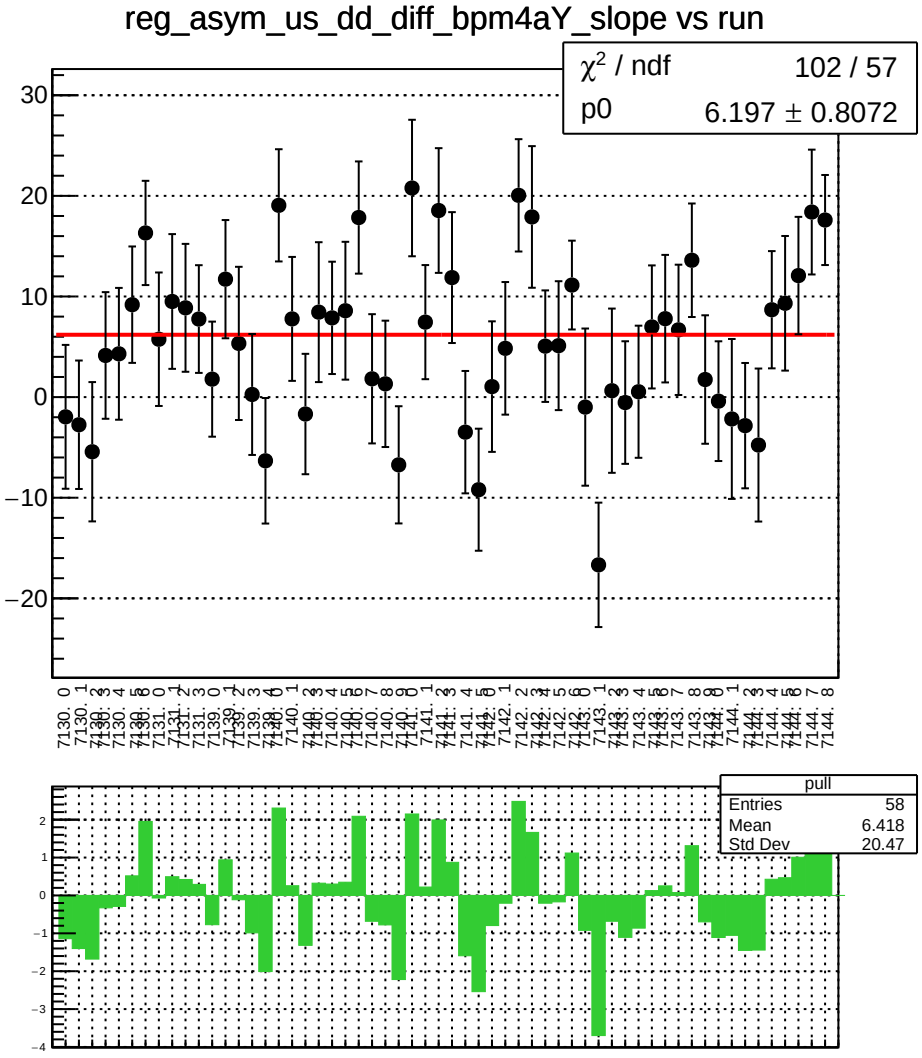

pull1D
Entries 58
Mean −0.0007965
Std Dev 0.6764

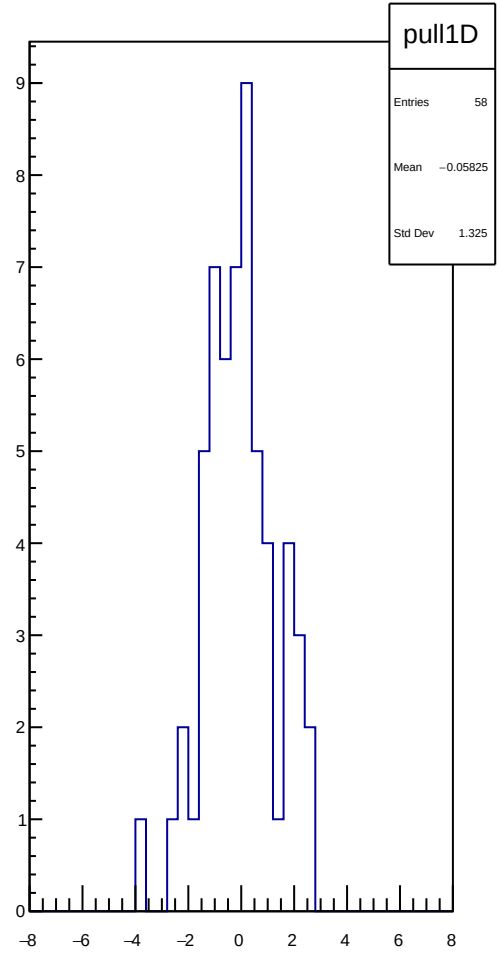

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 55.66 / 57
p0 −38.31 ± 0.06385
pull
Entries 58
Mean 38.82
Std Dev 46.79

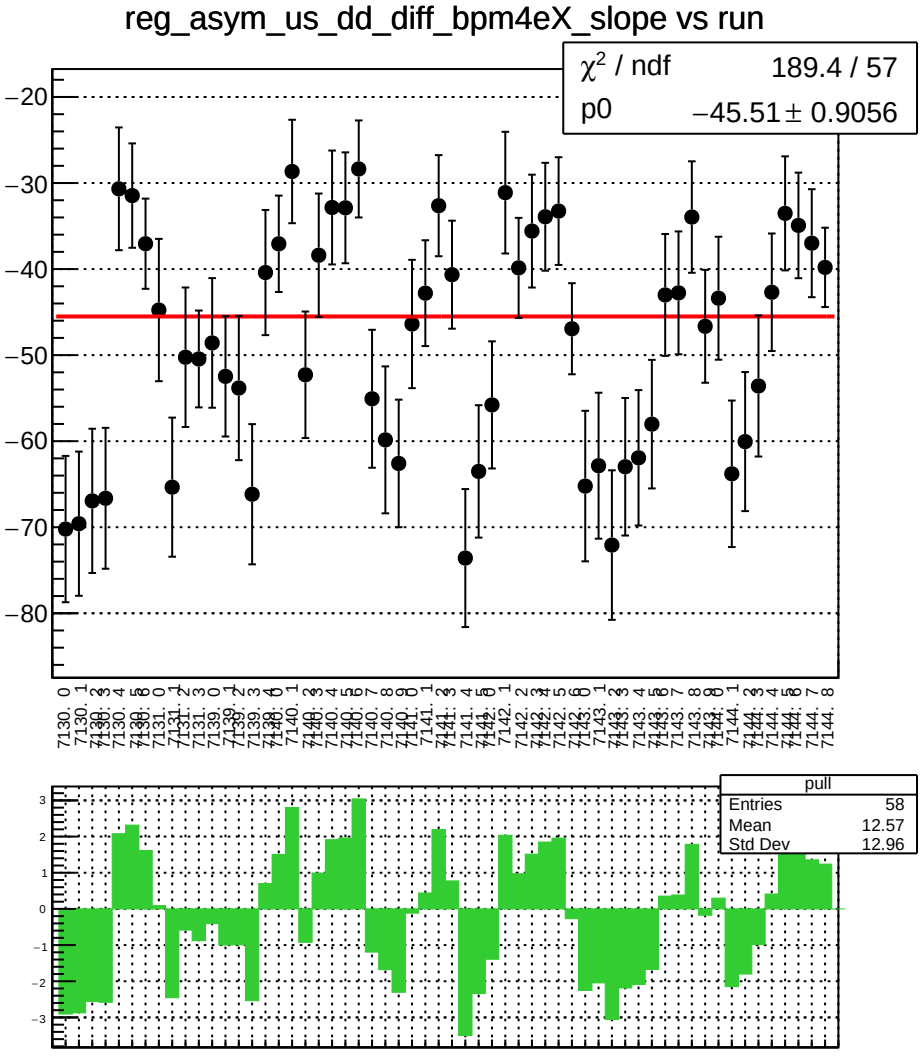

pull1D
Entries 58
Mean 0.03126
Std Dev 0.9791

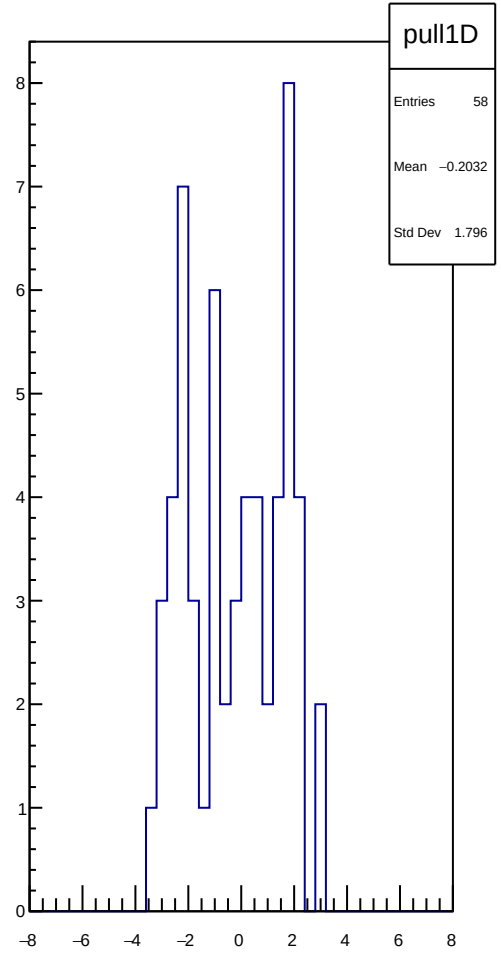

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 179.8 / 57
p0 −11.7 ± 0.8899
pull
Entries 58
Mean 17.01
Std Dev 15.89

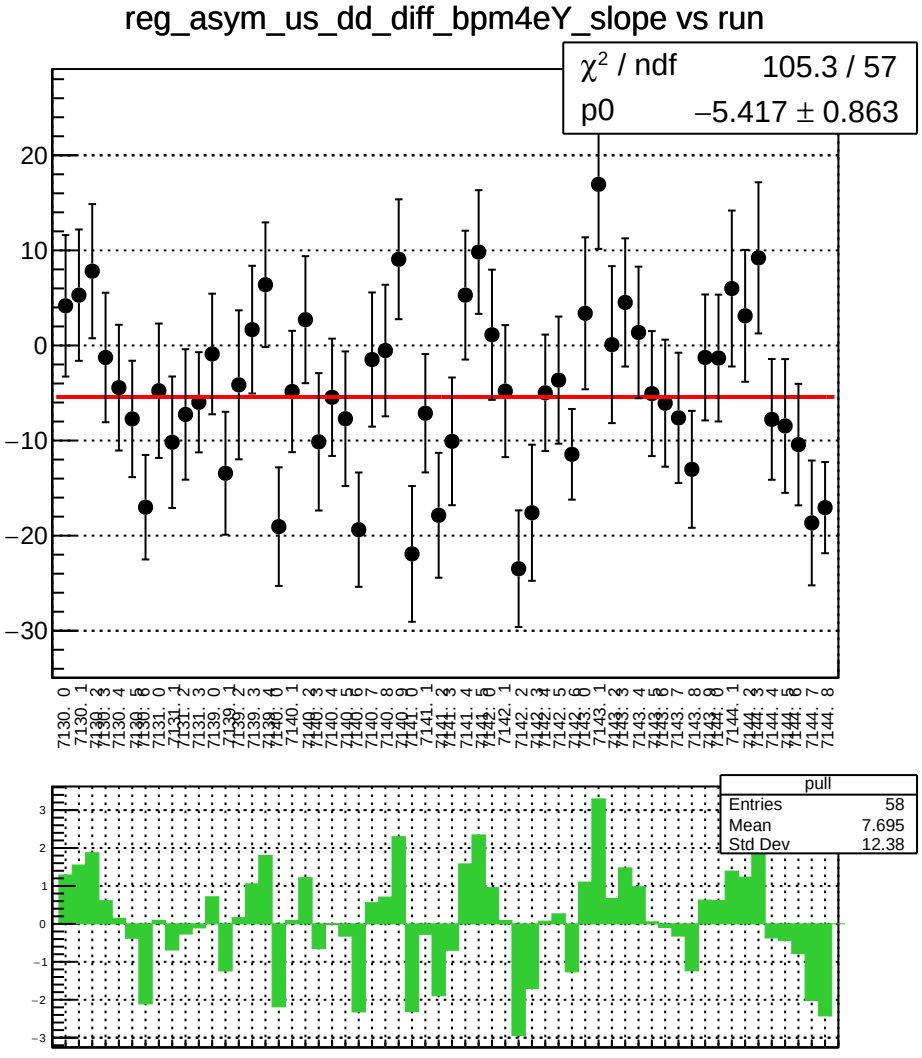

pull1D
Entries 58
Mean 0.1937
Std Dev 1.75

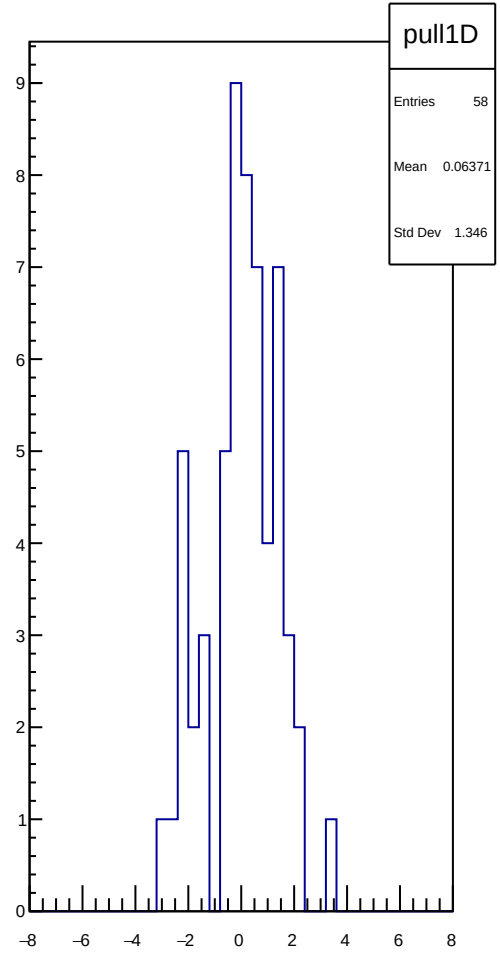

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 102 / 57
p0 6.197 ± 0.8072
pull
Entries 58
Mean 6.418
Std Dev 20.47

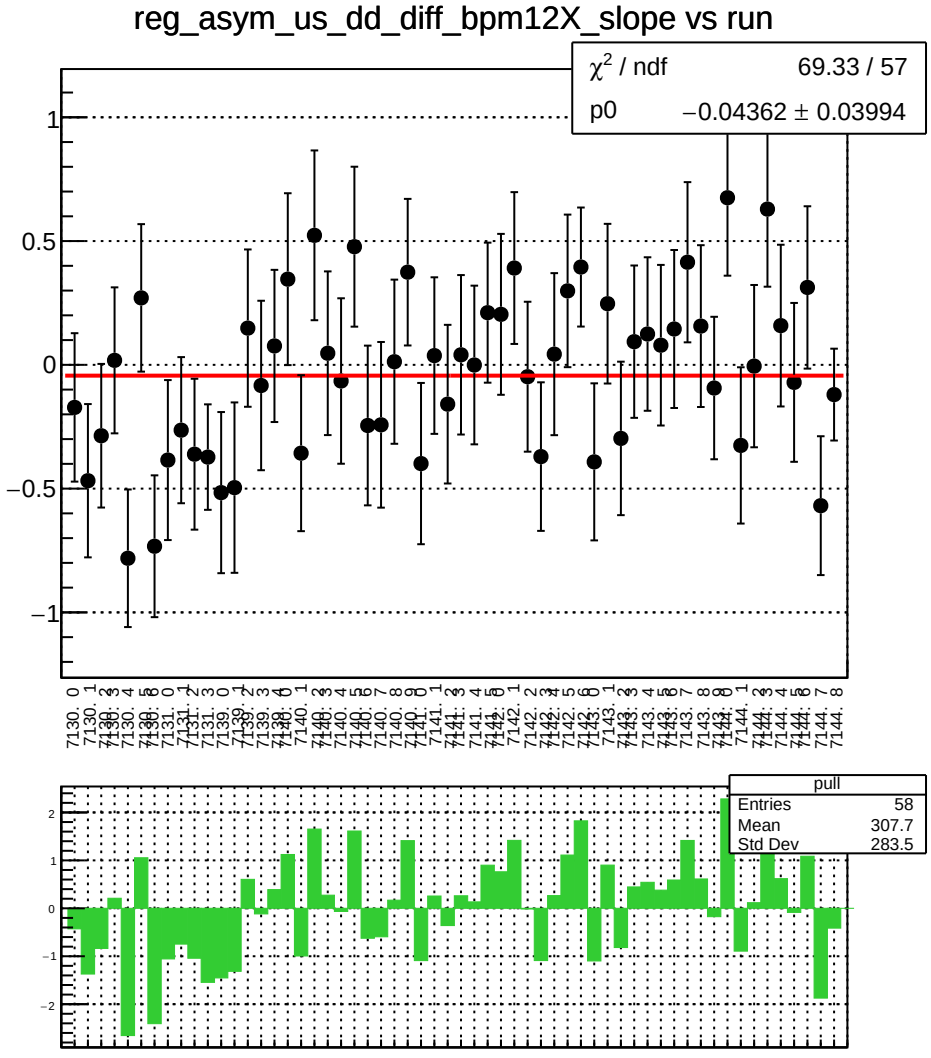

pull1D
Entries 58
Mean −0.05825
Std Dev 1.325

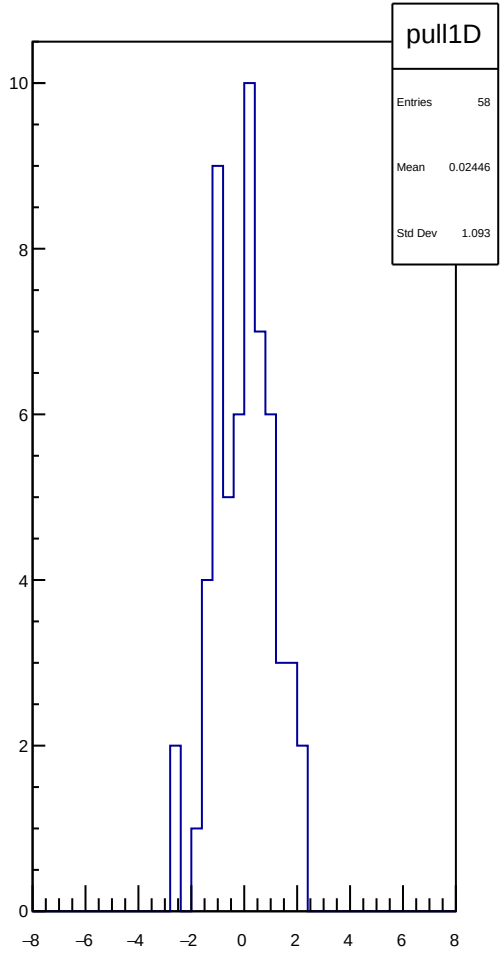

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 189.4 / 57
p0 −45.51 ± 0.9056
pull
Entries 58
Mean 12.57
Std Dev 12.96

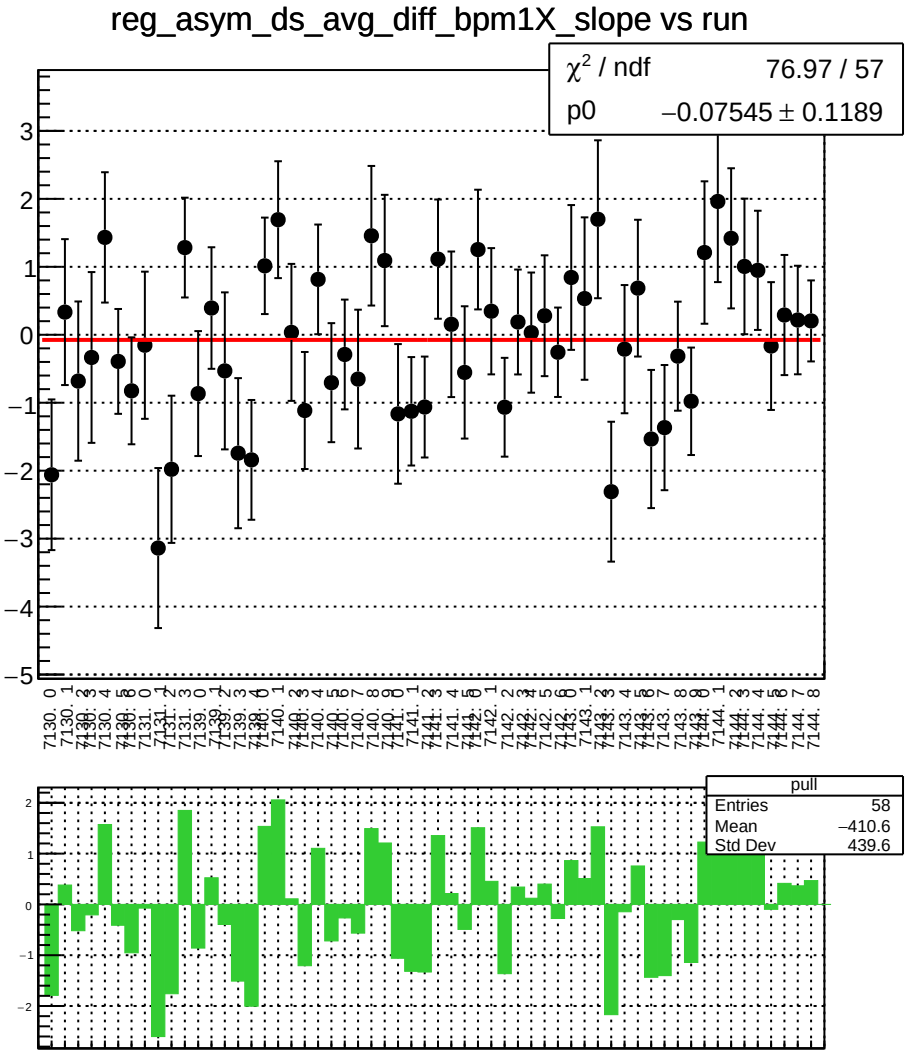

pull1D
Entries 58
Mean −0.2032
Std Dev 1.796

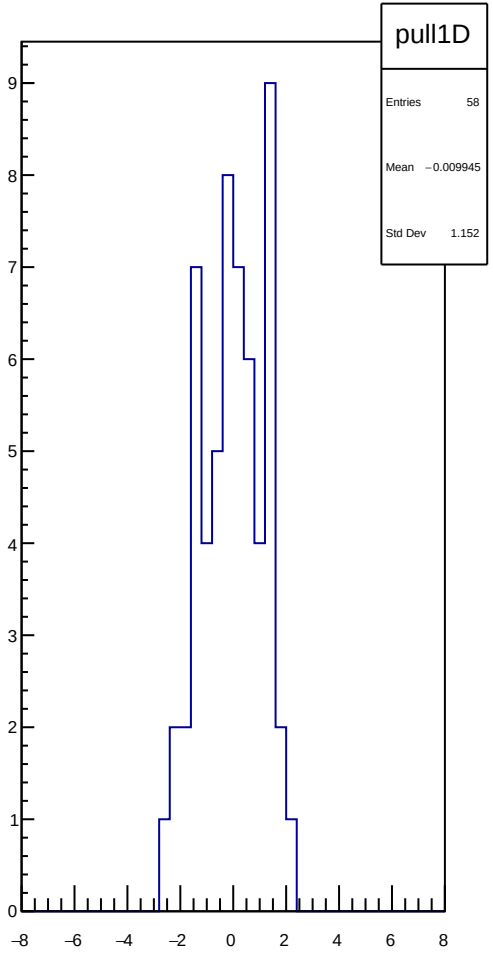

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 105.3 / 57
p0 −5.417 ± 0.863
pull
Entries 58
Mean 7.695
Std Dev 12.38

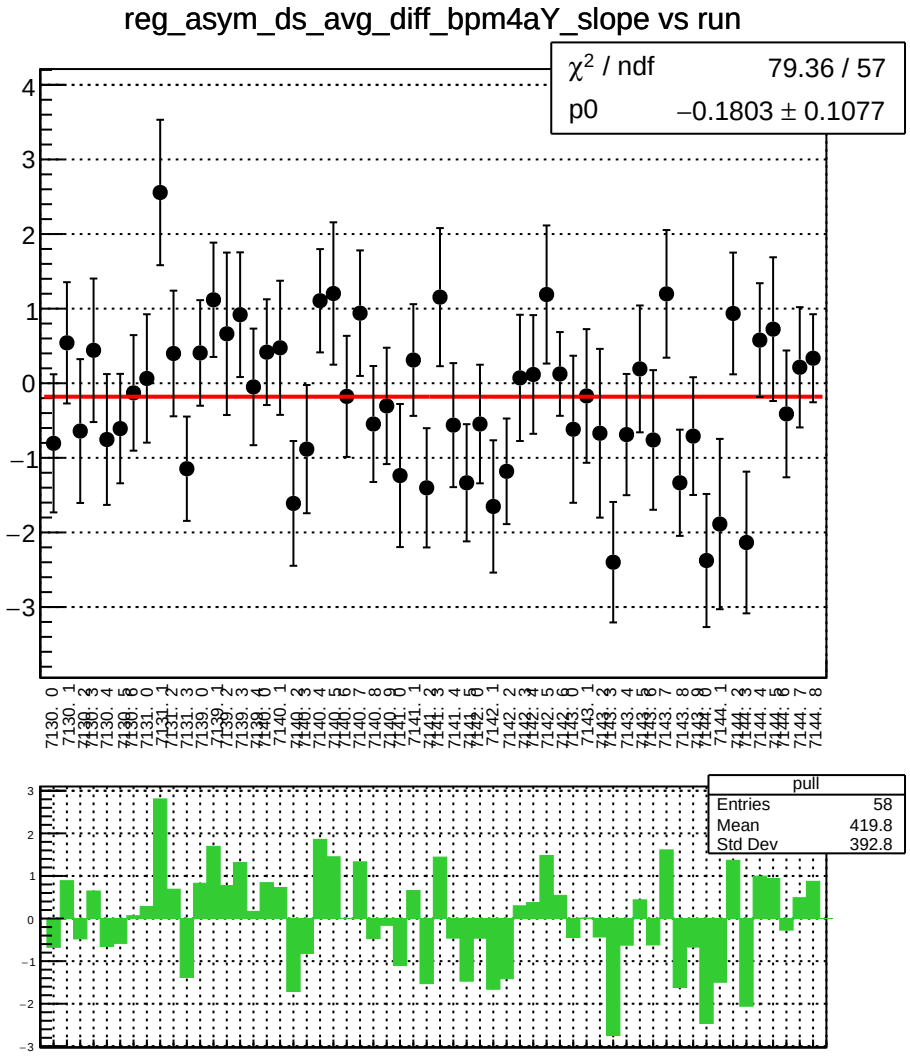

pull1D
Entries 58
Mean 0.06371
Std Dev 1.346

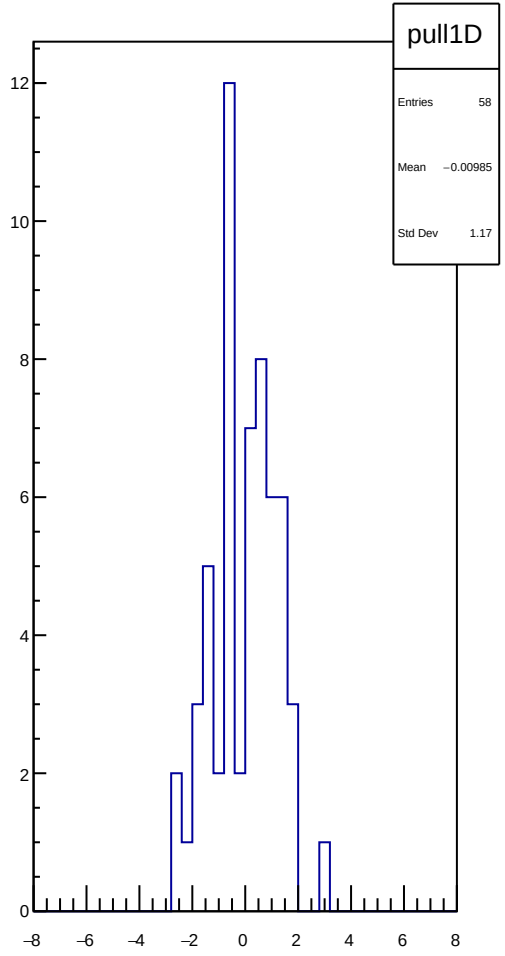

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 69.33 / 57
p0 −0.04362 ± 0.03994
pull
Entries 58
Mean 307.7
Std Dev 283.5

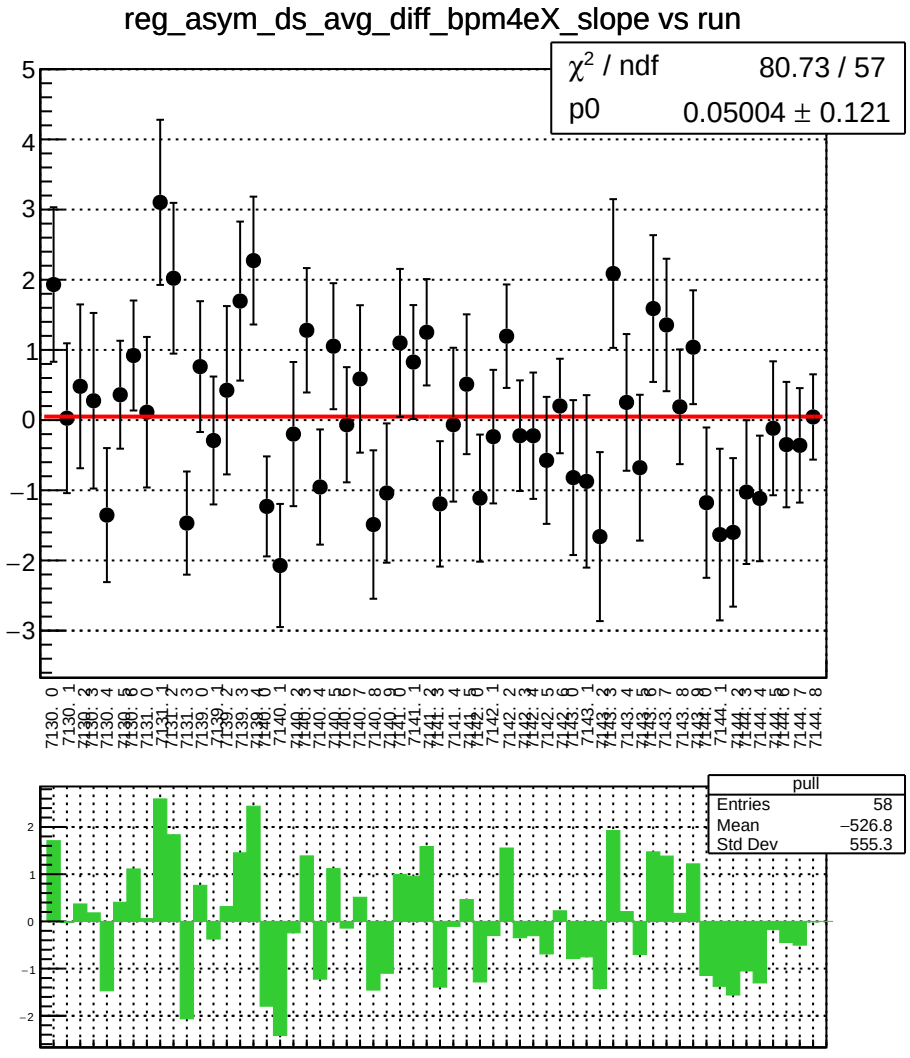

pull1D
Entries 58
Mean 0.02446
Std Dev 1.093

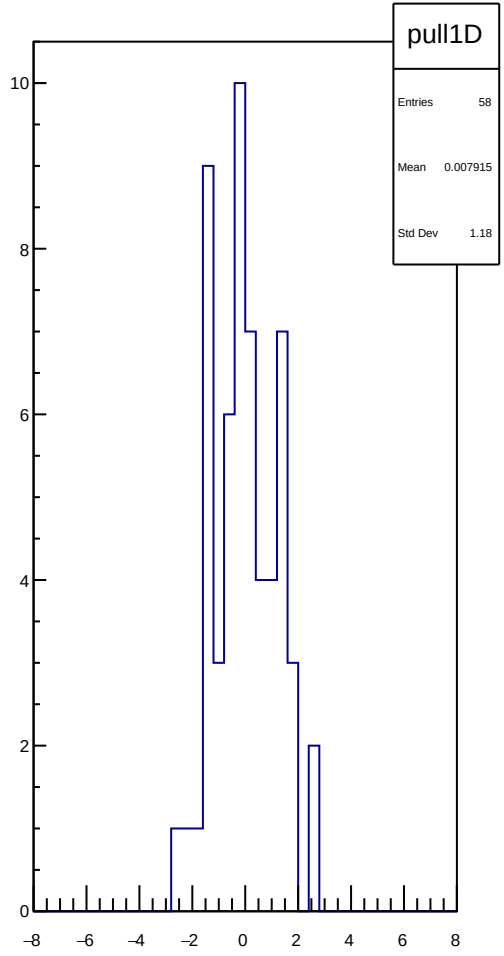

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 76.97 / 57
p0 −0.07545 ± 0.1189
pull
Entries 58
Mean −410.6
Std Dev 439.6

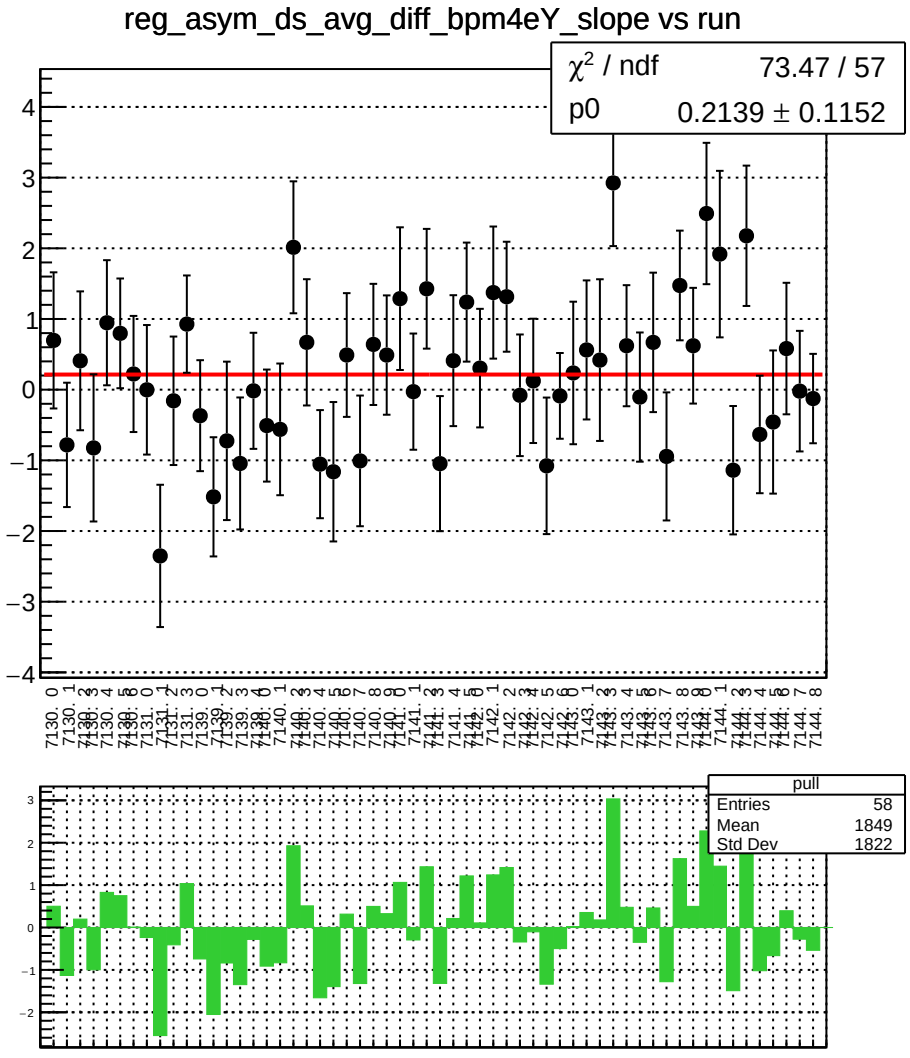

pull1D
Entries 58
Mean −0.009945
Std Dev 1.152

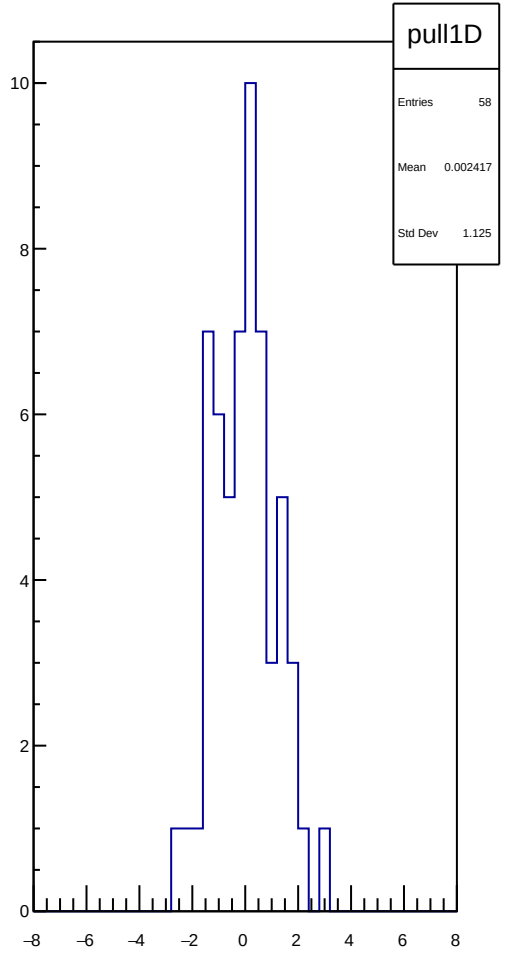

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.36 / 57
p0 −0.1803 ± 0.1077
pull
Entries 58
Mean 419.8
Std Dev 392.8

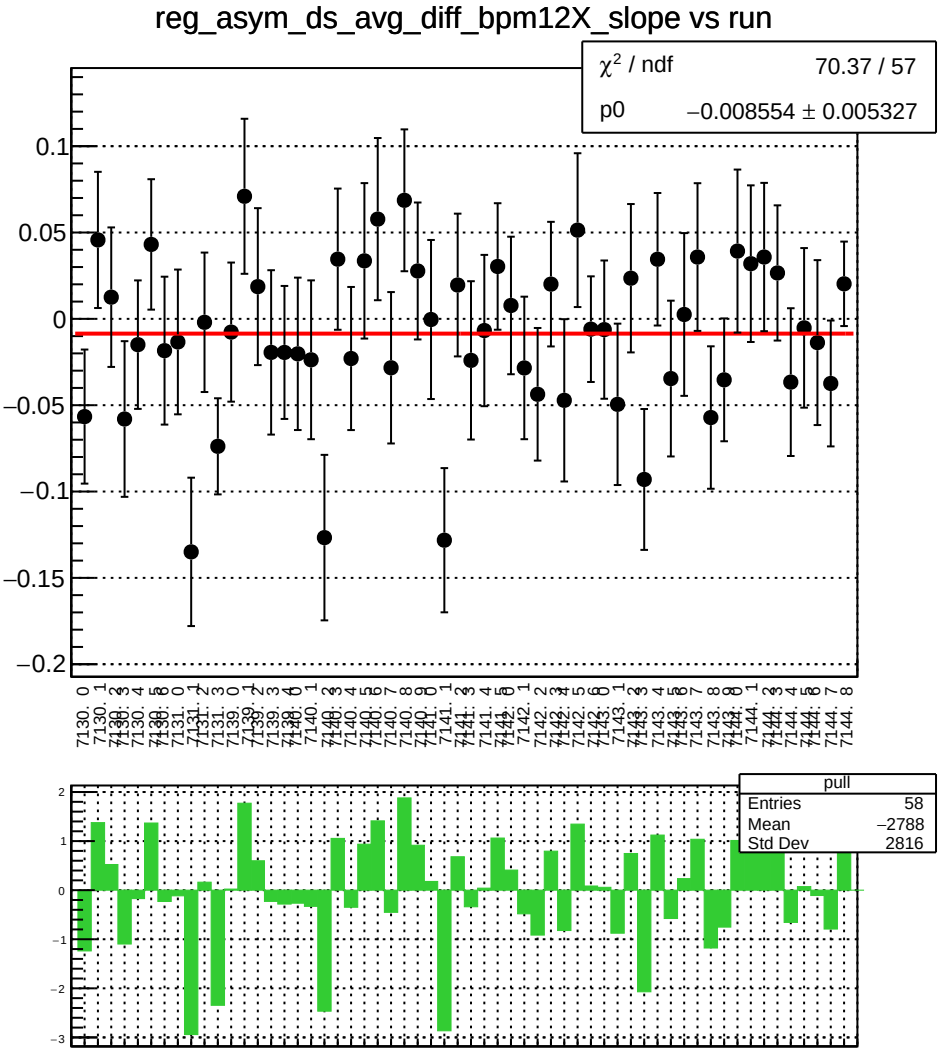

pull1D
Entries 58
Mean −0.00985
Std Dev 1.17

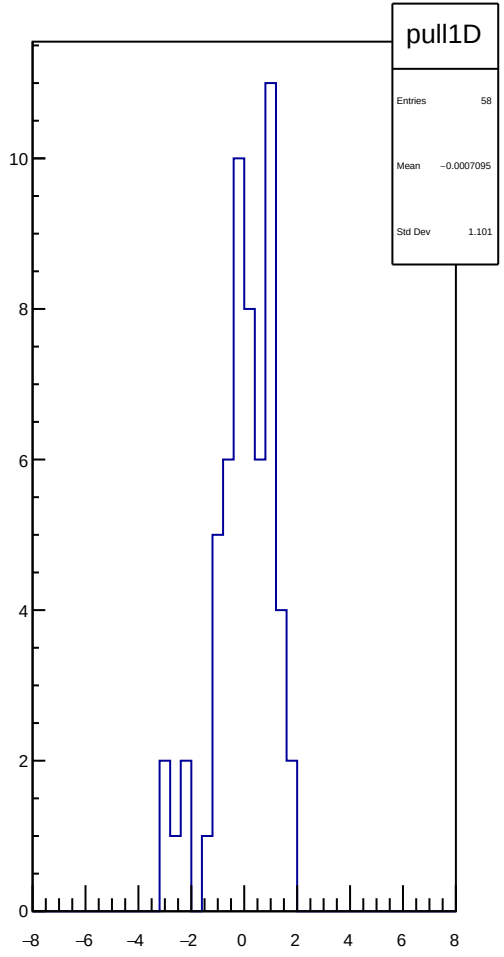

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.73 / 57
p0 0.05004 ± 0.121
pull
Entries 58
Mean −526.8
Std Dev 555.3

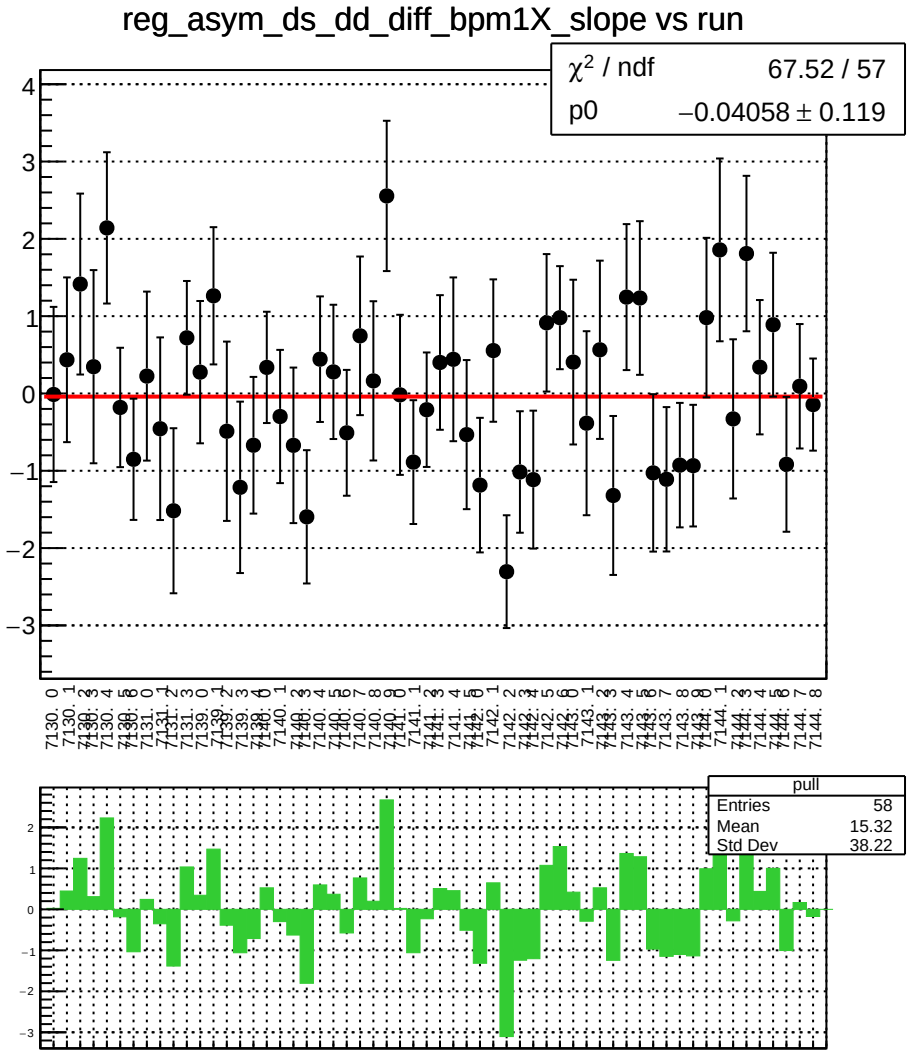

pull1D
Entries 58
Mean 0.007915
Std Dev 1.18

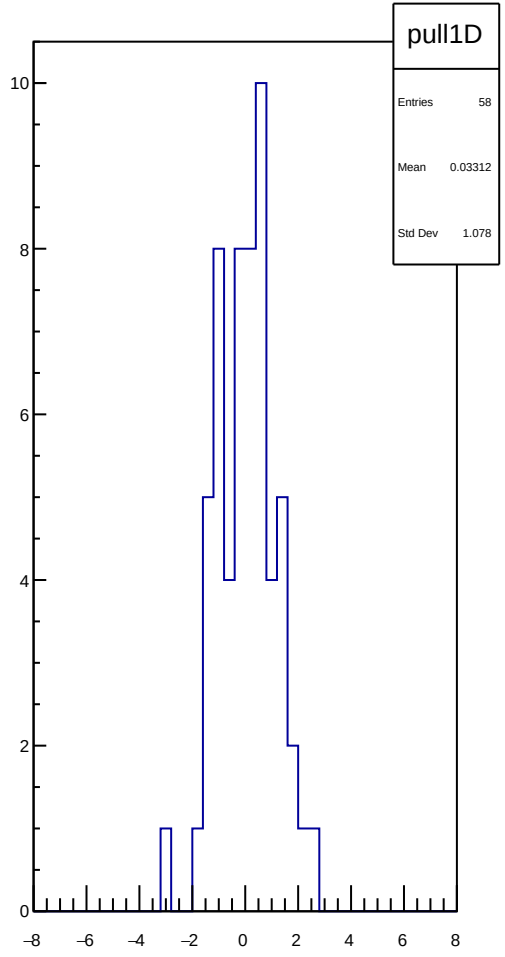

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.47 / 57
p0 0.2139 ± 0.1152
pull
Entries 58
Mean 1849
Std Dev 1822

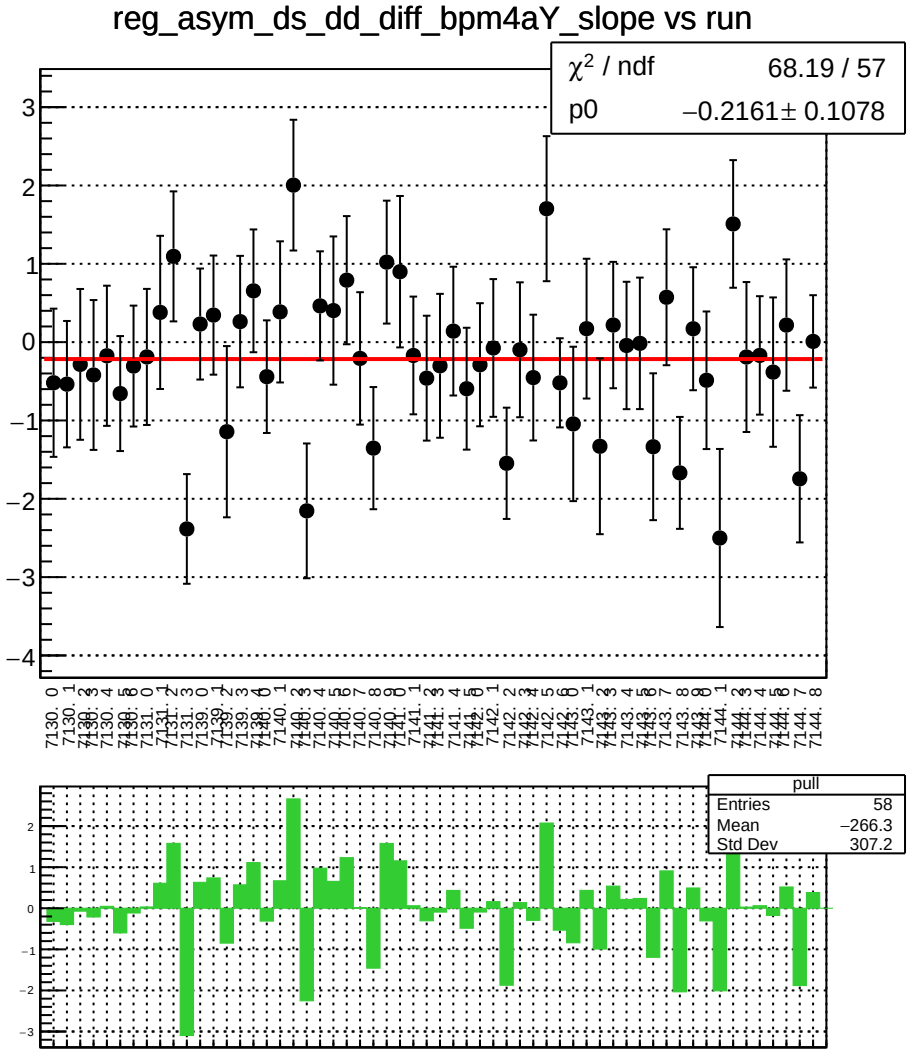

pull1D
Entries 58
Mean 0.002417
Std Dev 1.125

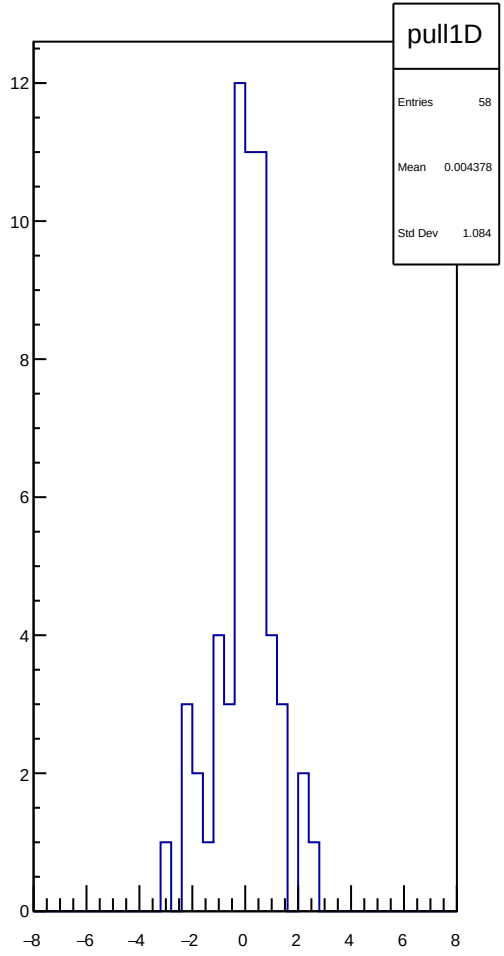

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 70.37 / 57
p0 −0.008554 ± 0.005327
pull
Entries 58
Mean −2788
Std Dev 2816

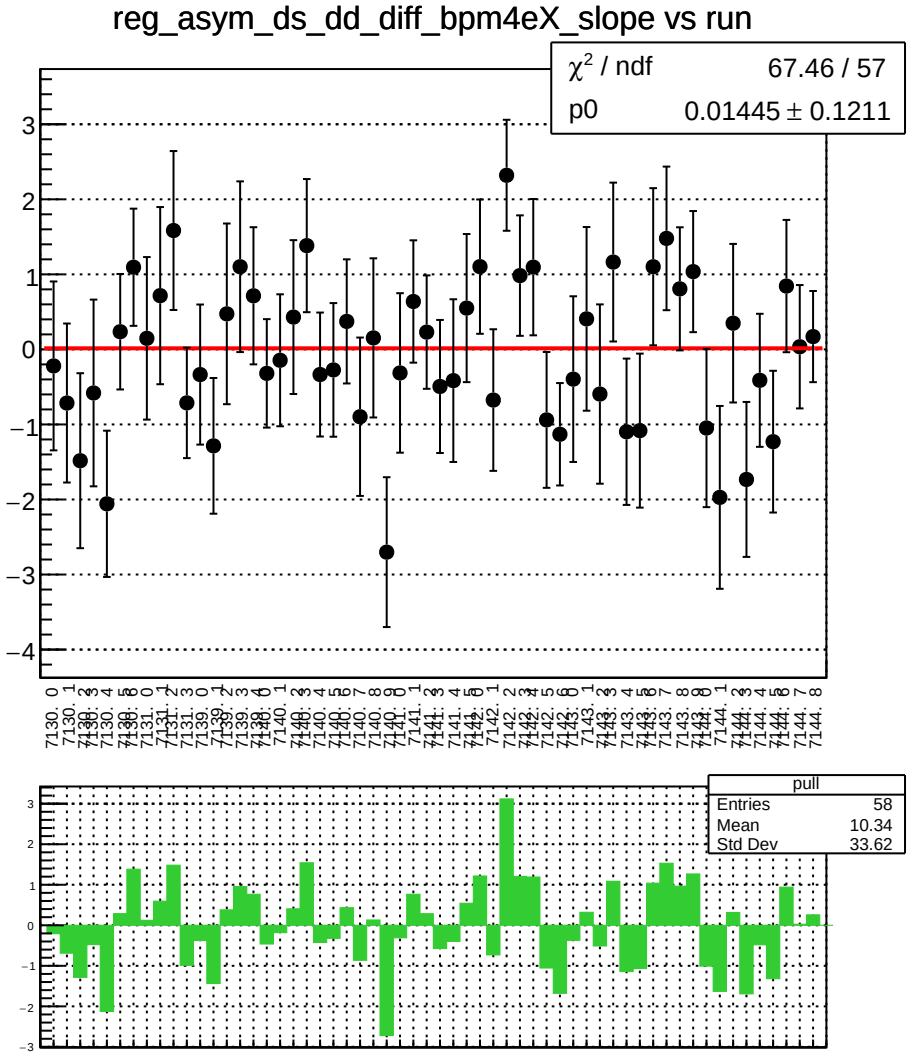

pull1D
Entries 58
Mean −0.0007095
Std Dev 1.101

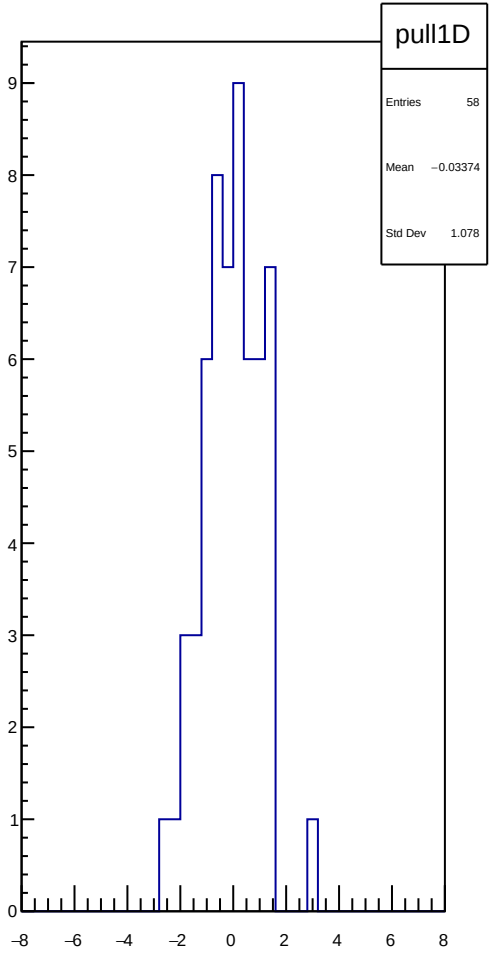

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 67.52 / 57
p0 −0.04058 ± 0.119
pull
Entries 58
Mean 15.32
Std Dev 38.22

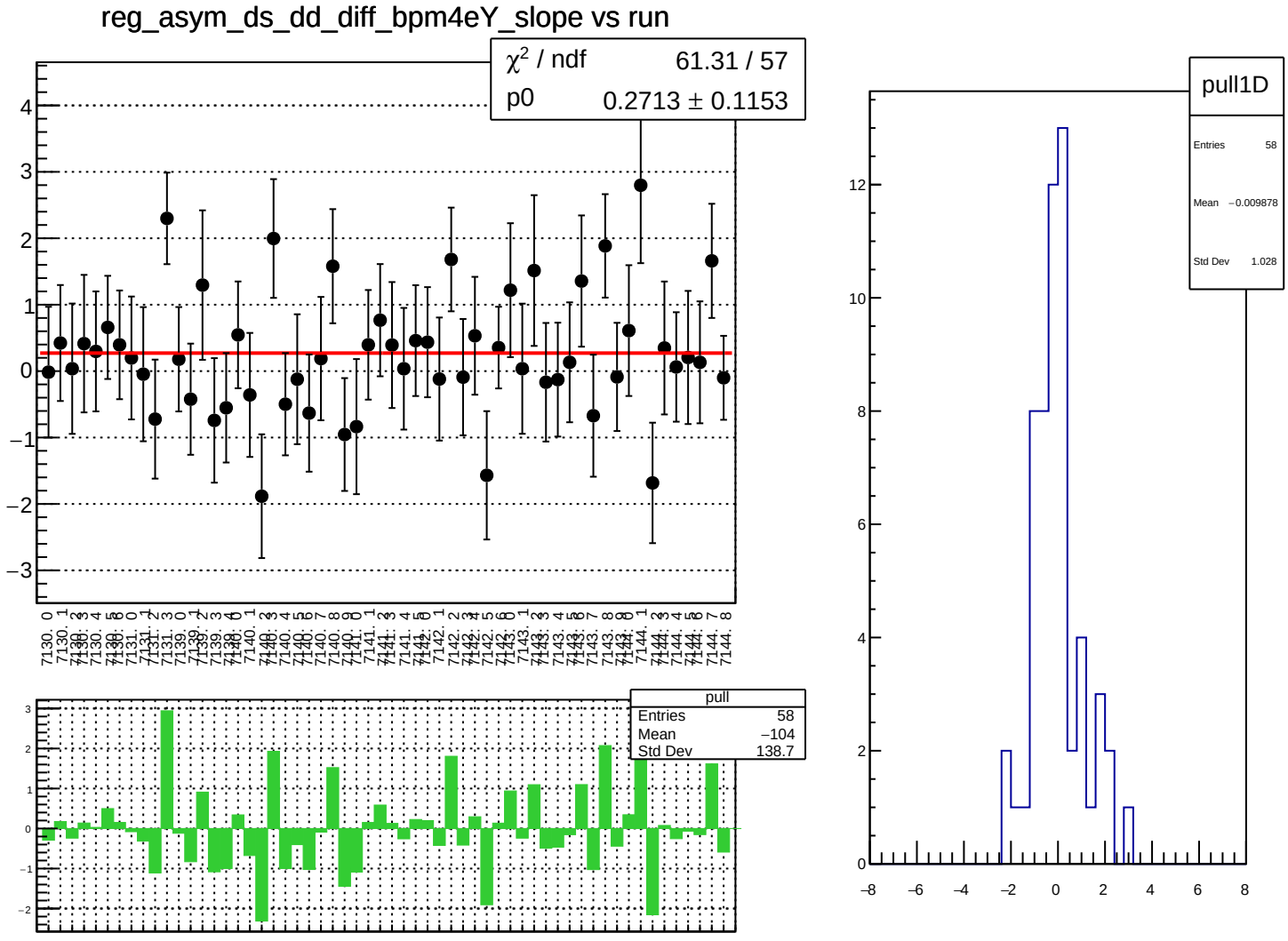

pull1D
Entries 58
Mean 0.03312
Std Dev 1.078

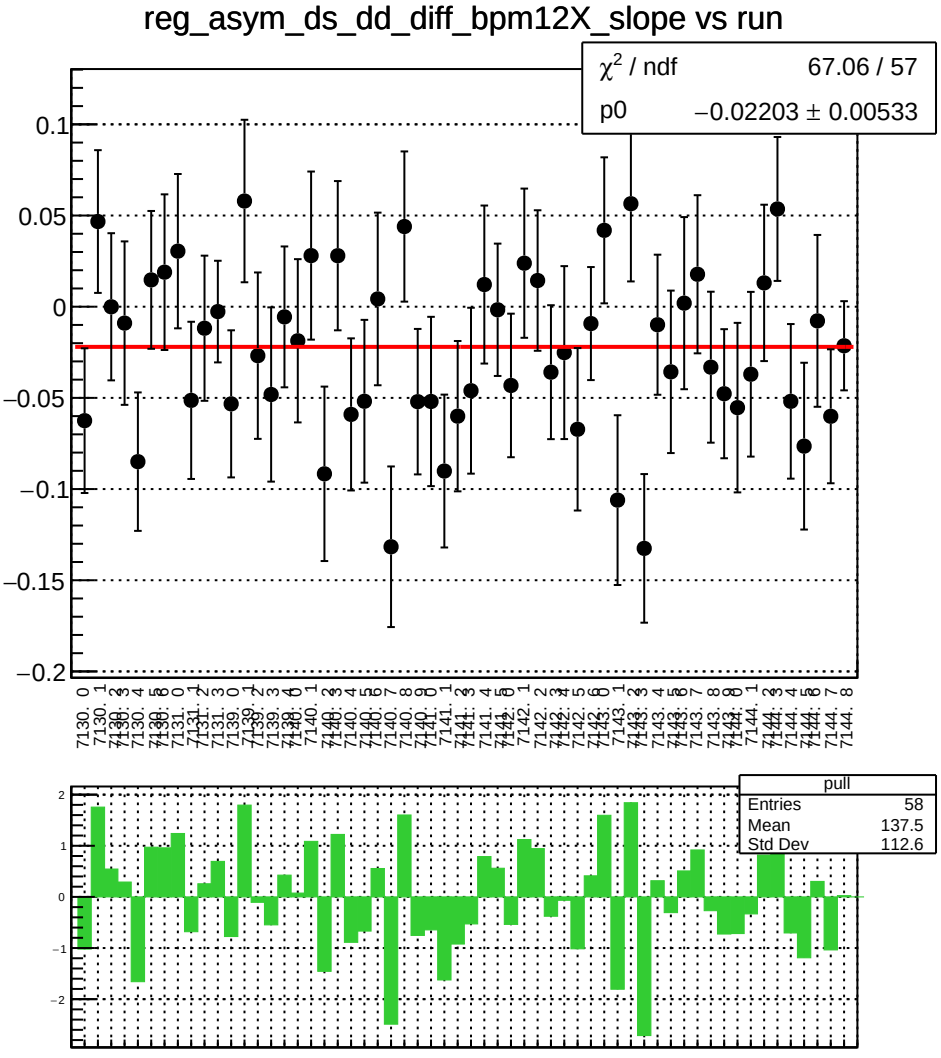

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 68.19 / 57
p0 −0.2161± 0.1078
pull
Entries 58
Mean −266.3
Std Dev 307.2

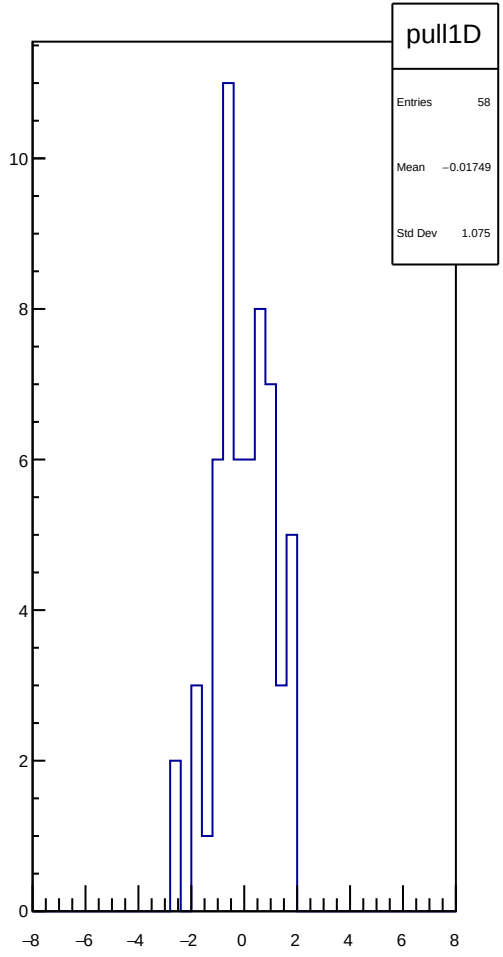

pull1D
Entries 58
Mean 0.004378
Std Dev 1.084

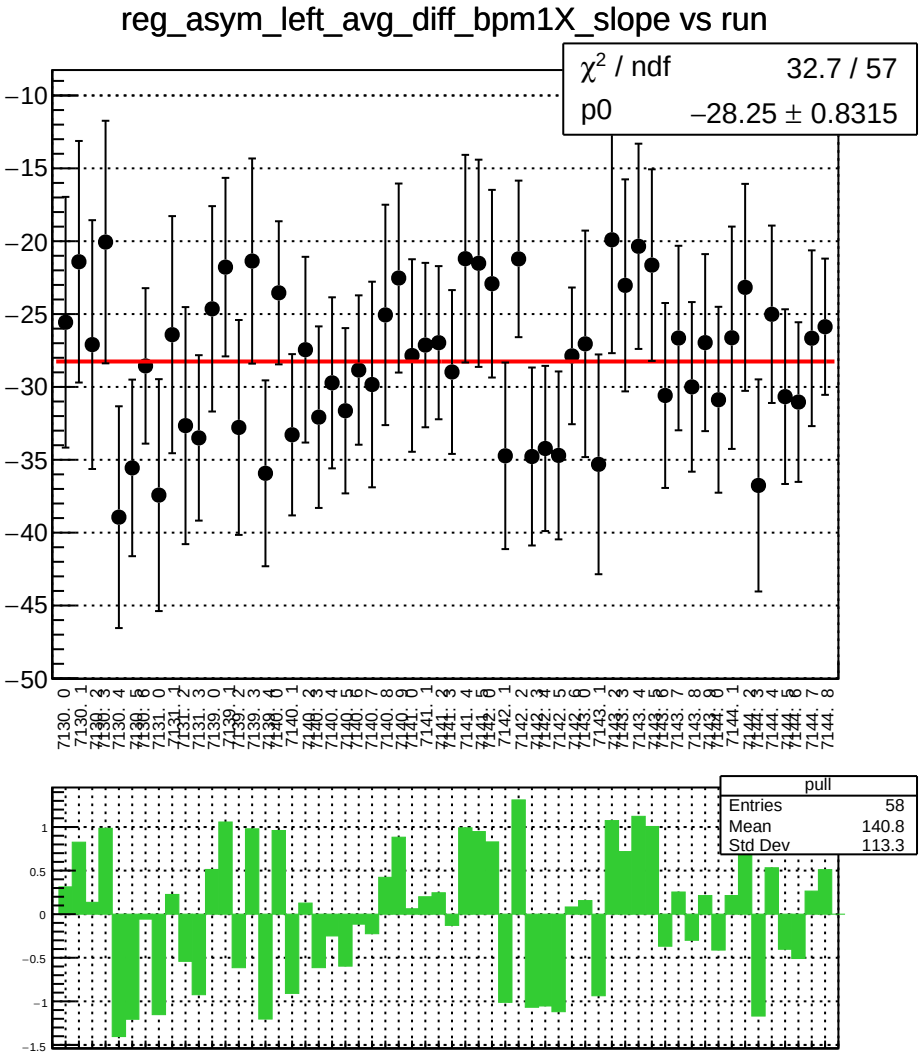

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.46 / 57
p0 0.01445 ± 0.1211
pull
Entries 58
Mean 10.34
Std Dev 33.62

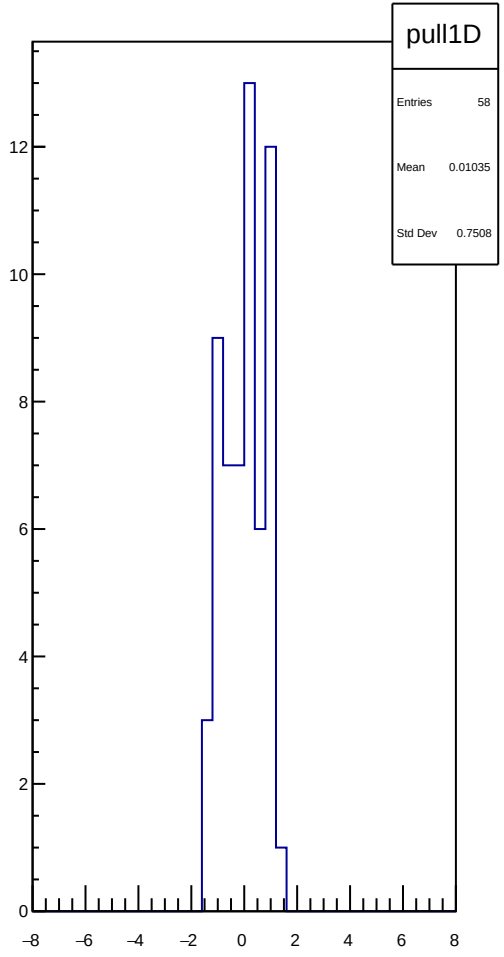

pull1D
Entries 58
Mean −0.03374
Std Dev 1.078

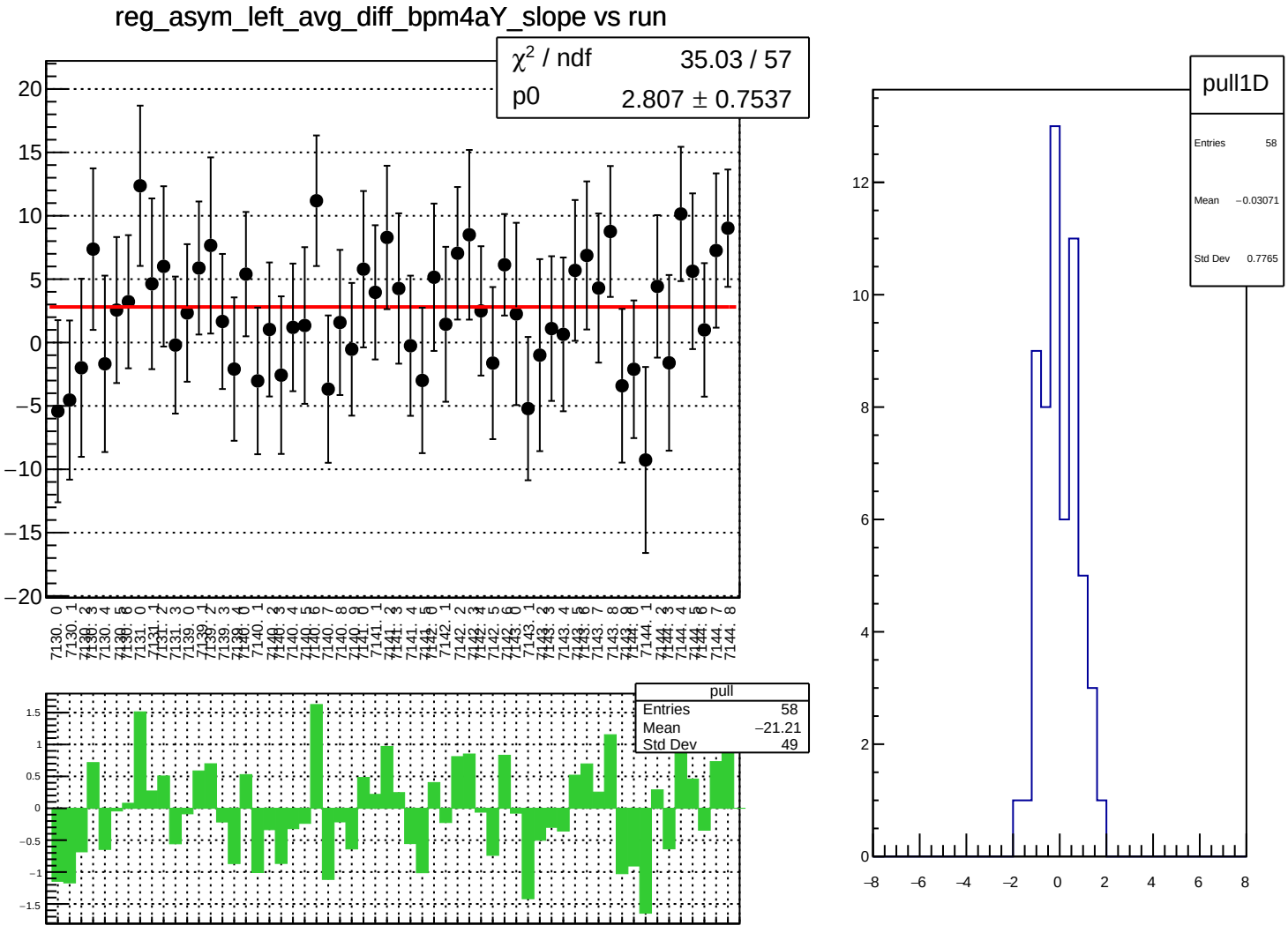

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 61.31 / 57
p0 0.2713 ± 0.1153
pull
Entries 58
Mean −104
Std Dev 138.7
pull1D
Entries 58
Mean −0.009878
Std Dev 1.028

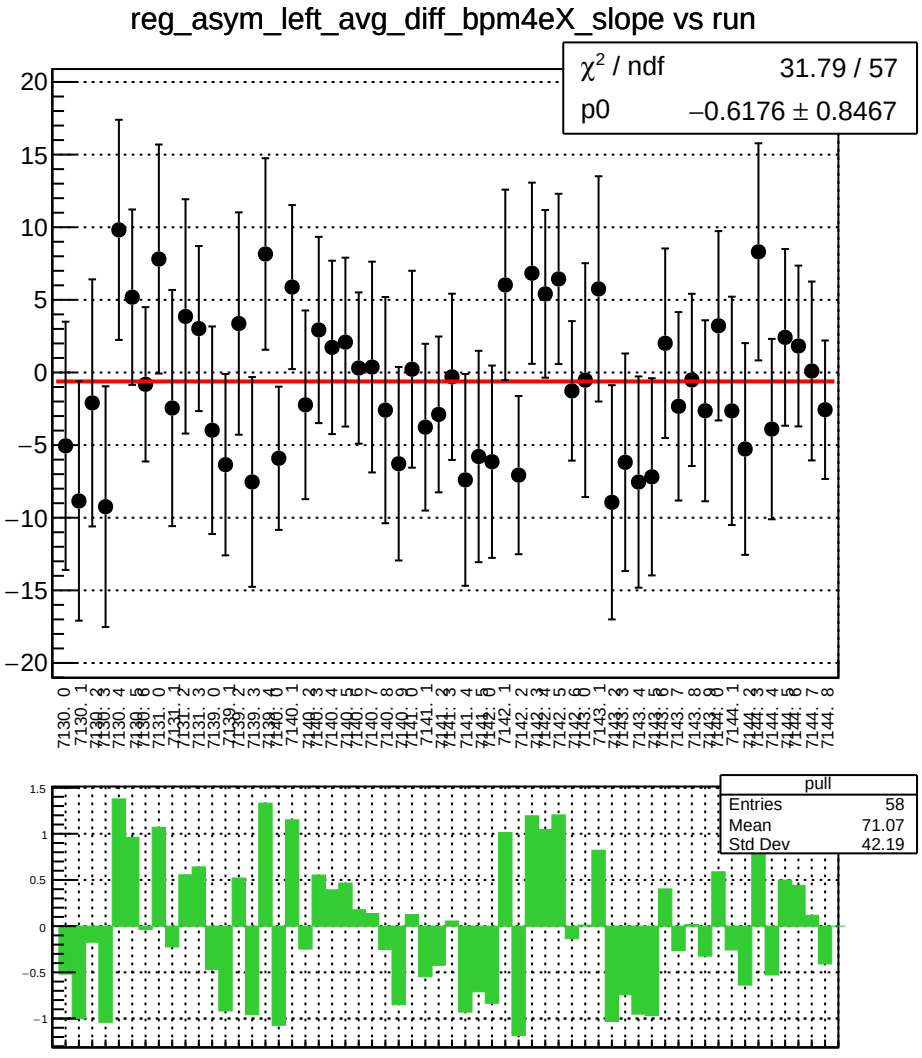

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 67.06 / 57
p0 −0.02203 ± 0.00533
pull
Entries 58
Mean 137.5
Std Dev 112.6

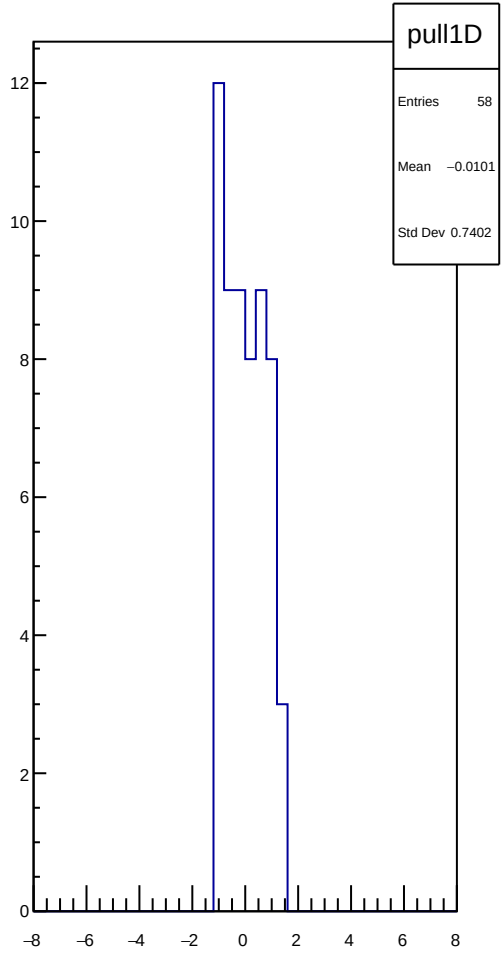

pull1D
Entries 58
Mean −0.01749
Std Dev 1.075

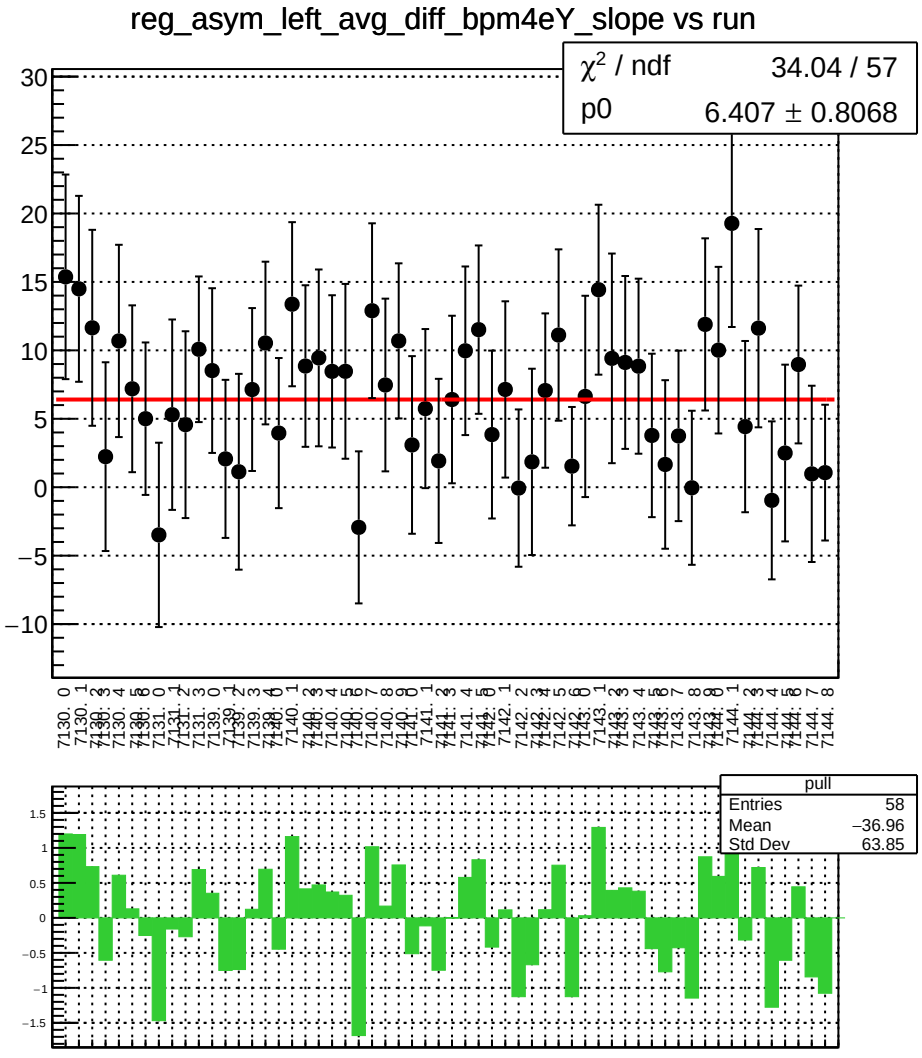

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 32.7 / 57
p0 −28.25 ± 0.8315
pull
Entries 58
Mean 140.8
Std Dev 113.3

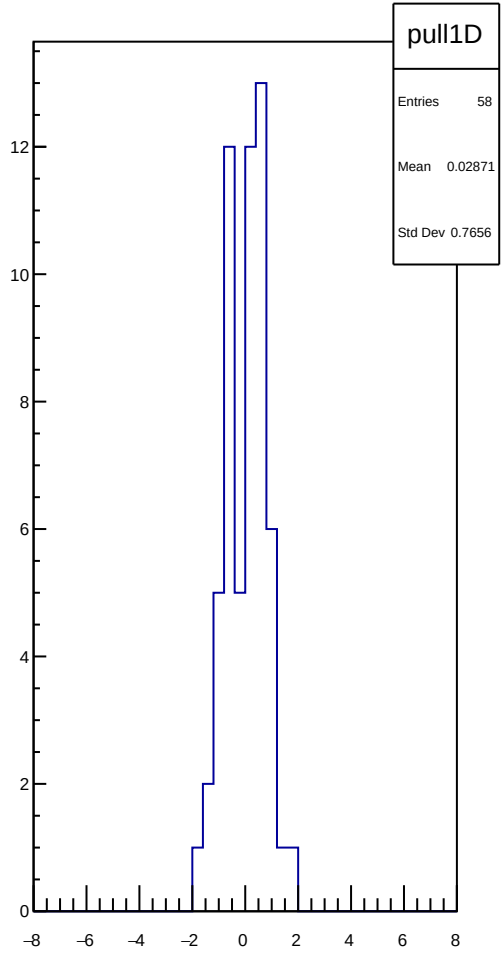

pull1D
Entries 58
Mean 0.01035
Std Dev 0.7508

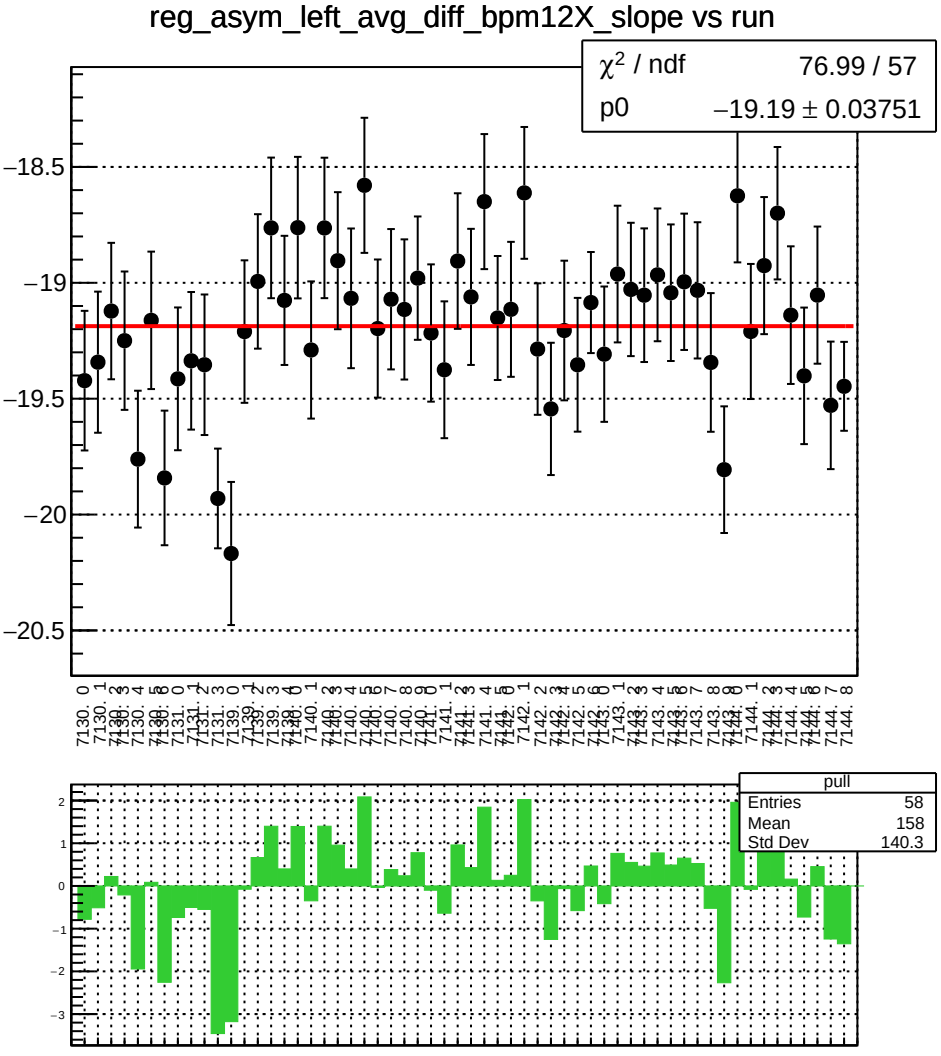

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.03 / 57
p0 2.807 ± 0.7537
pull
Entries 58
Mean −21.21
Std Dev 49
pull1D
Entries 58
Mean −0.03071
Std Dev 0.7765

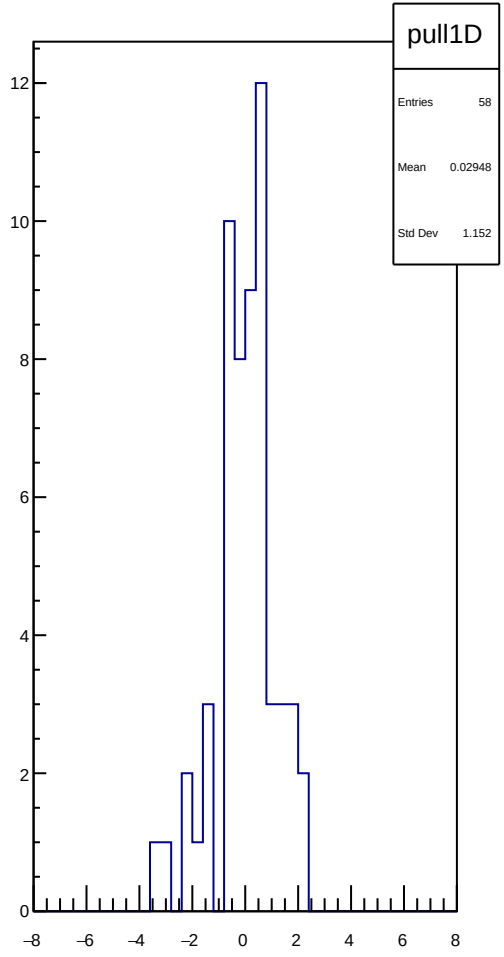

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.79 / 57
p0 −0.6176 ± 0.8467
pull
Entries 58
Mean 71.07
Std Dev 42.19

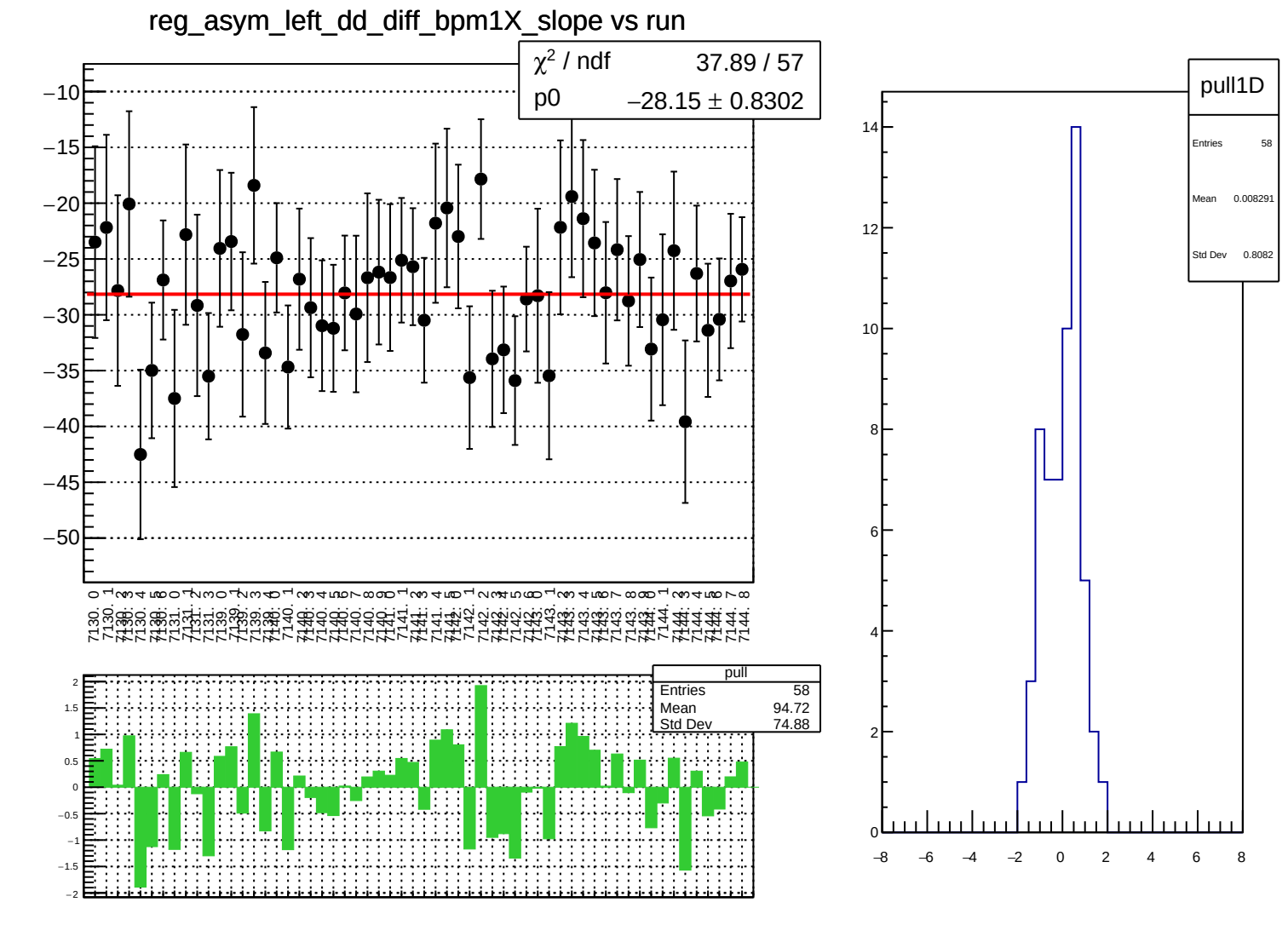

pull1D
Entries 58
Mean −0.0101
Std Dev 0.7402

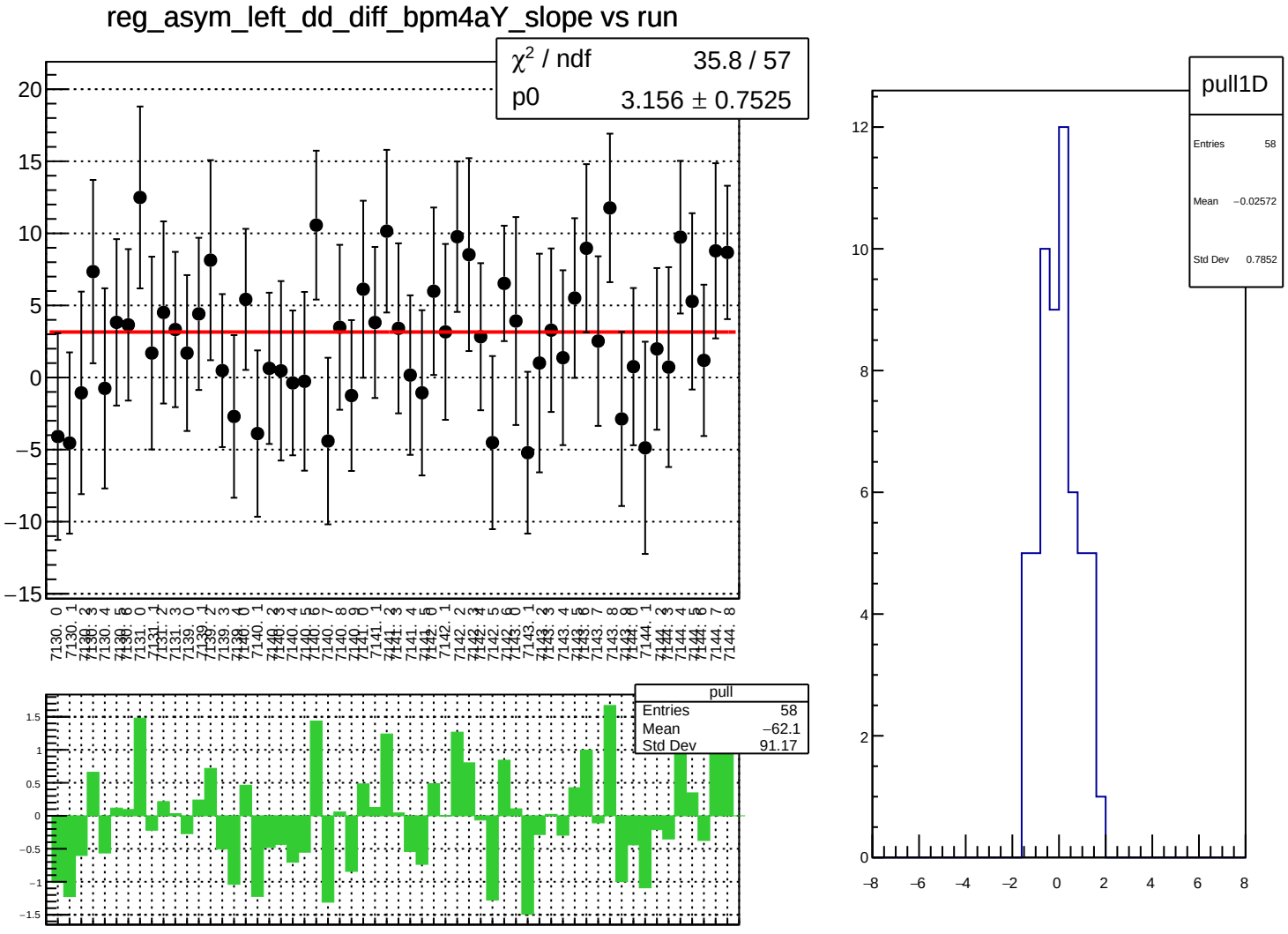

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.04 / 57
p0 6.407 ± 0.8068
pull
Entries 58
Mean −36.96
Std Dev 63.85

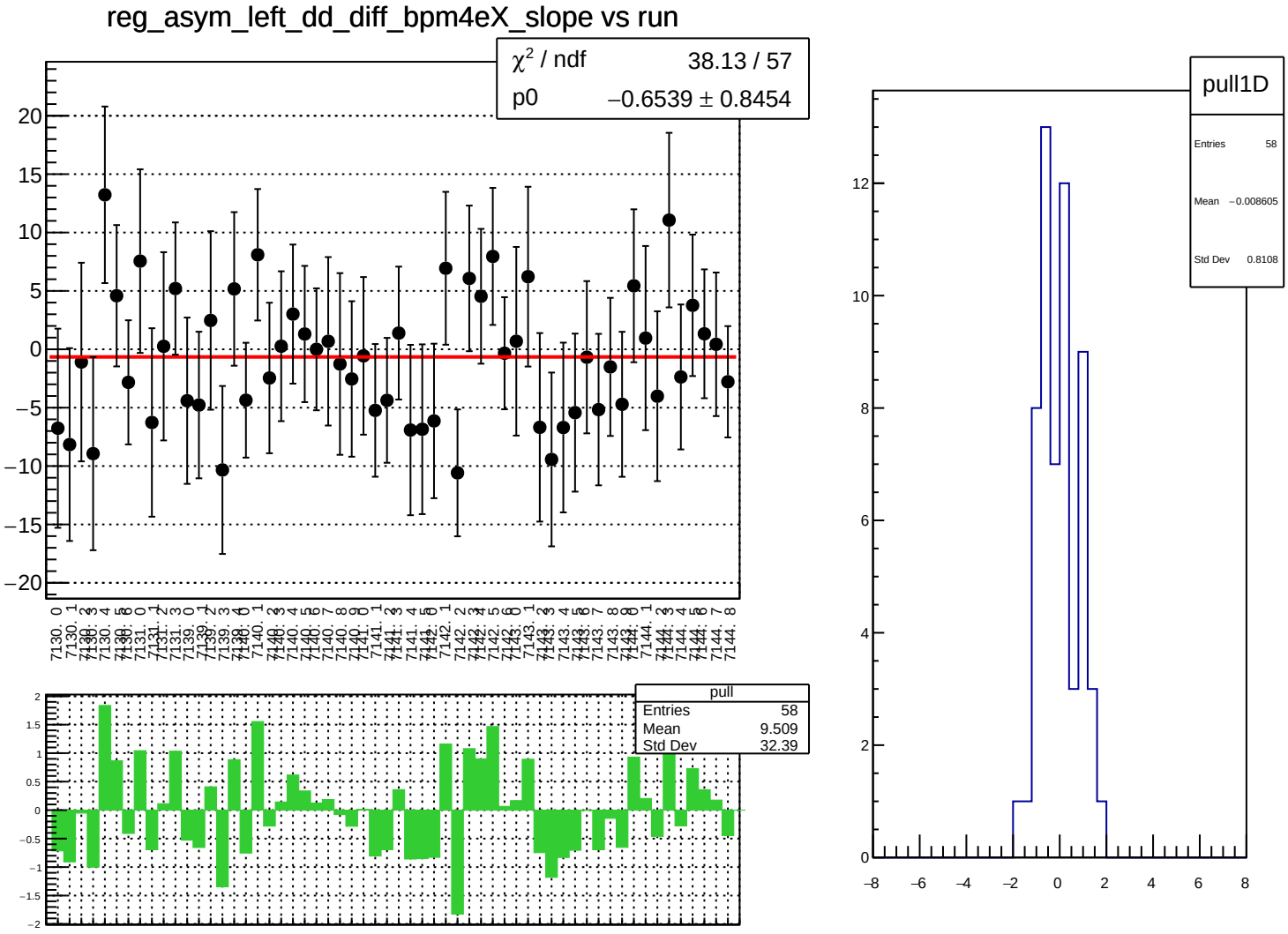

pull1D
Entries 58
Mean 0.02871
Std Dev 0.7656

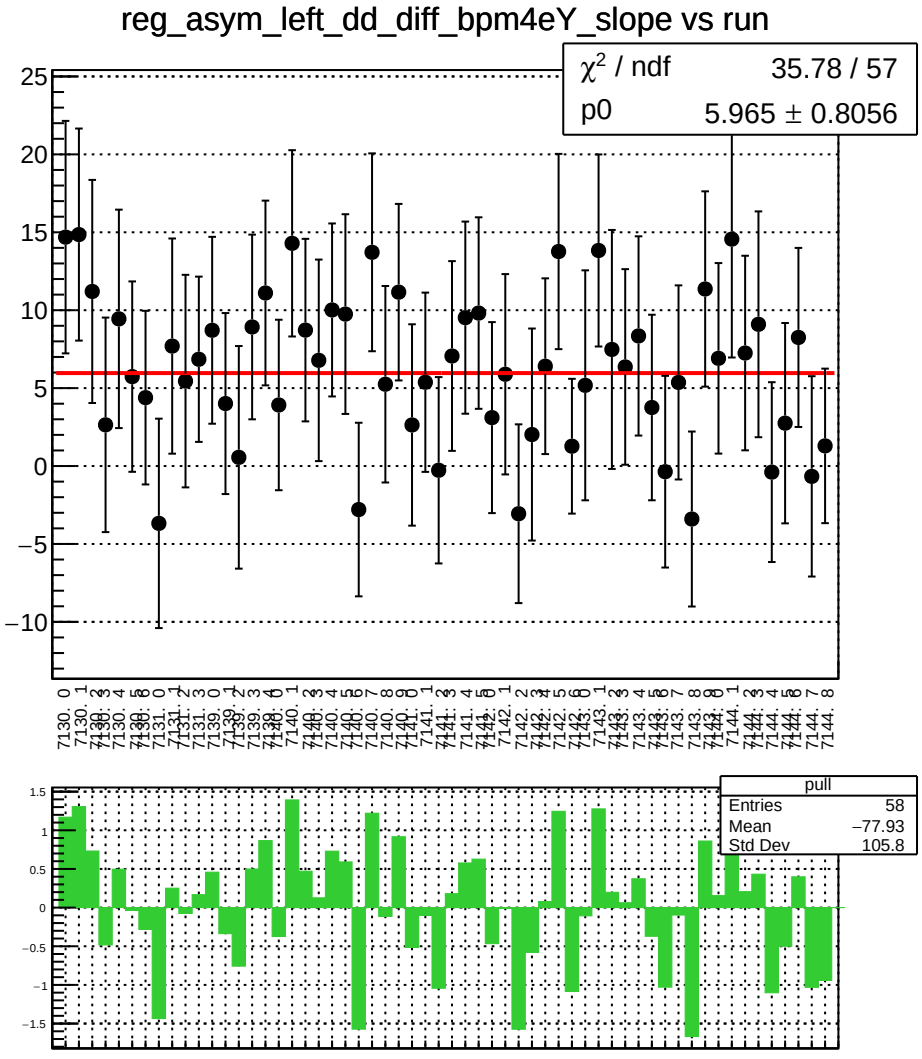

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 76.99 / 57
p0 −19.19 ± 0.03751
−18.5
−19
−19.5
−20
−20.5
pull
Entries 58
Mean 158
Std Dev 140.3
2
1
0
−1
−2
−3

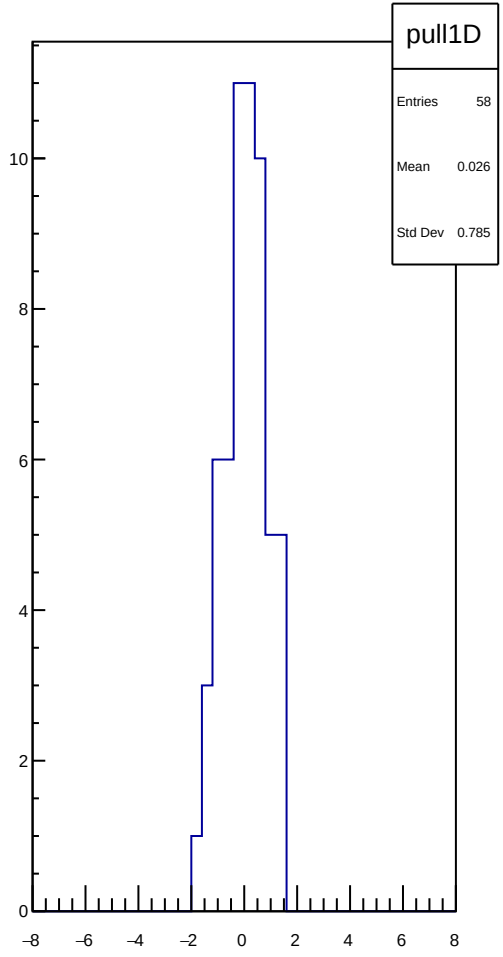

pull1D
Entries 58
Mean 0.02948
Std Dev 1.152
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

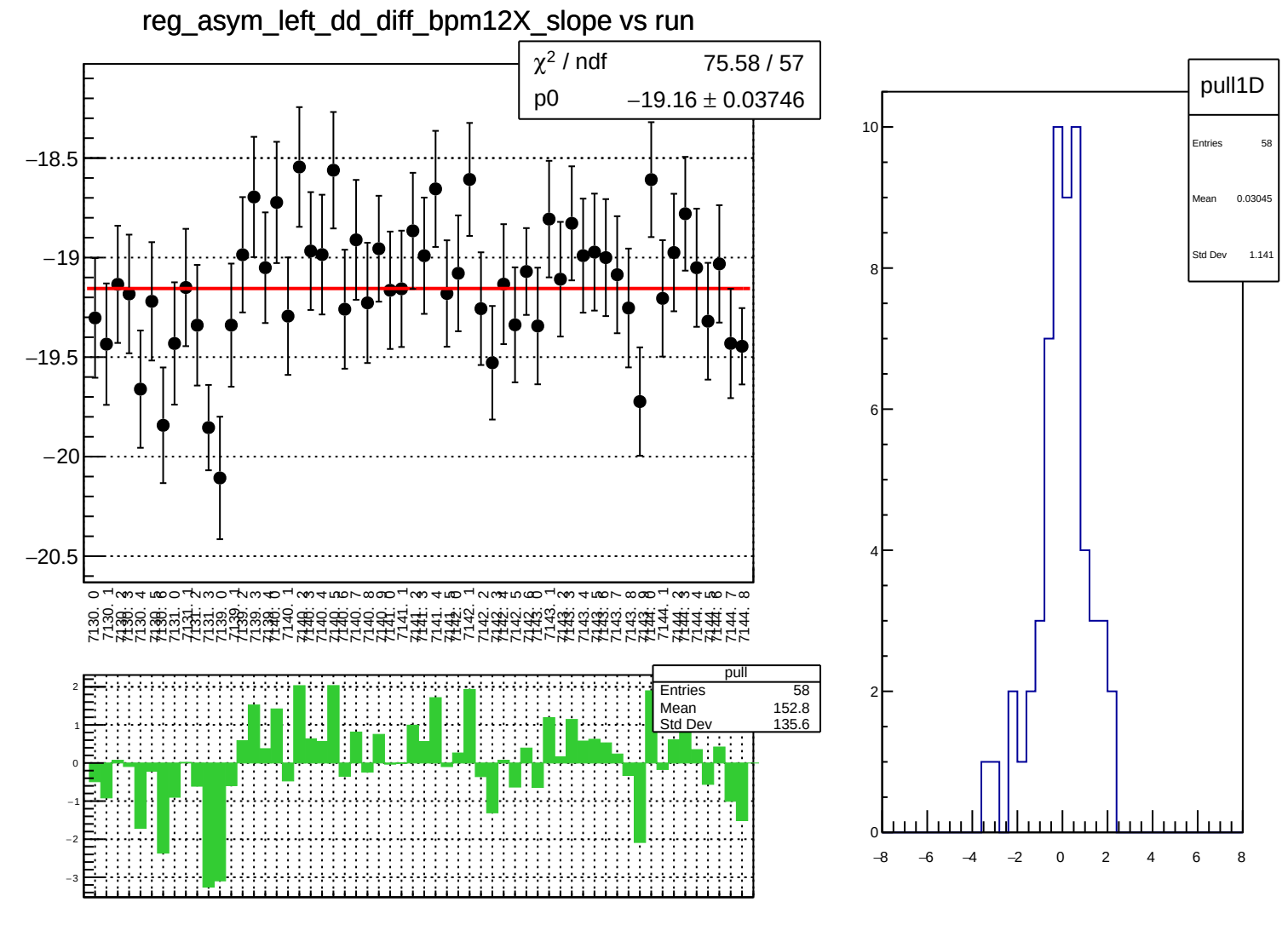

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 37.89 / 57
p0 −28.15 ± 0.8302
pull
Entries 58
Mean 94.72
Std Dev 74.88
pull1D
Entries 58
Mean 0.008291
Std Dev 0.8082

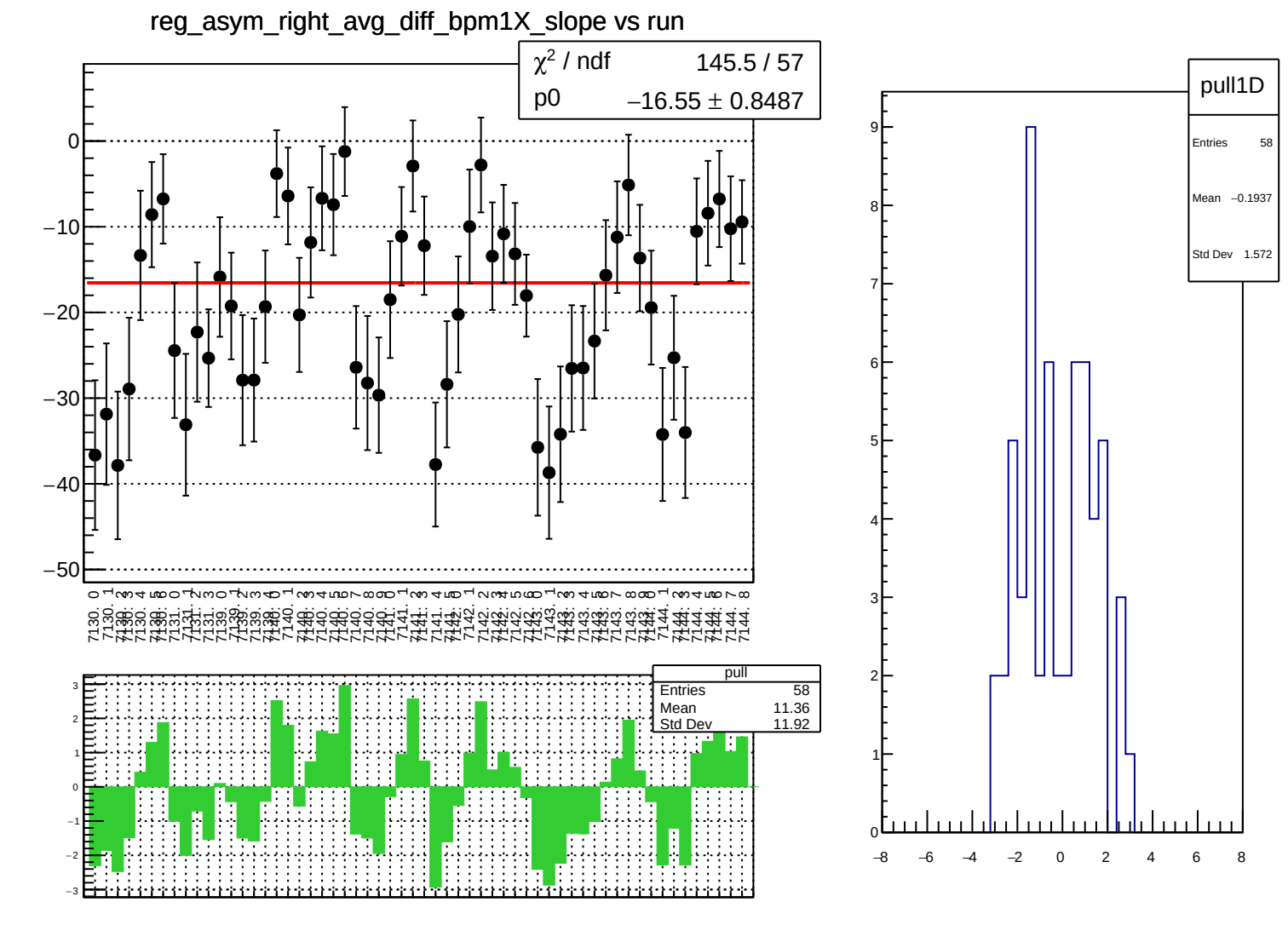

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.8 / 57
p0 3.156 ± 0.7525
pull
Entries 58
Mean −62.1
Std Dev 91.17
pull1D
Entries 58
Mean −0.02572
Std Dev 0.7852

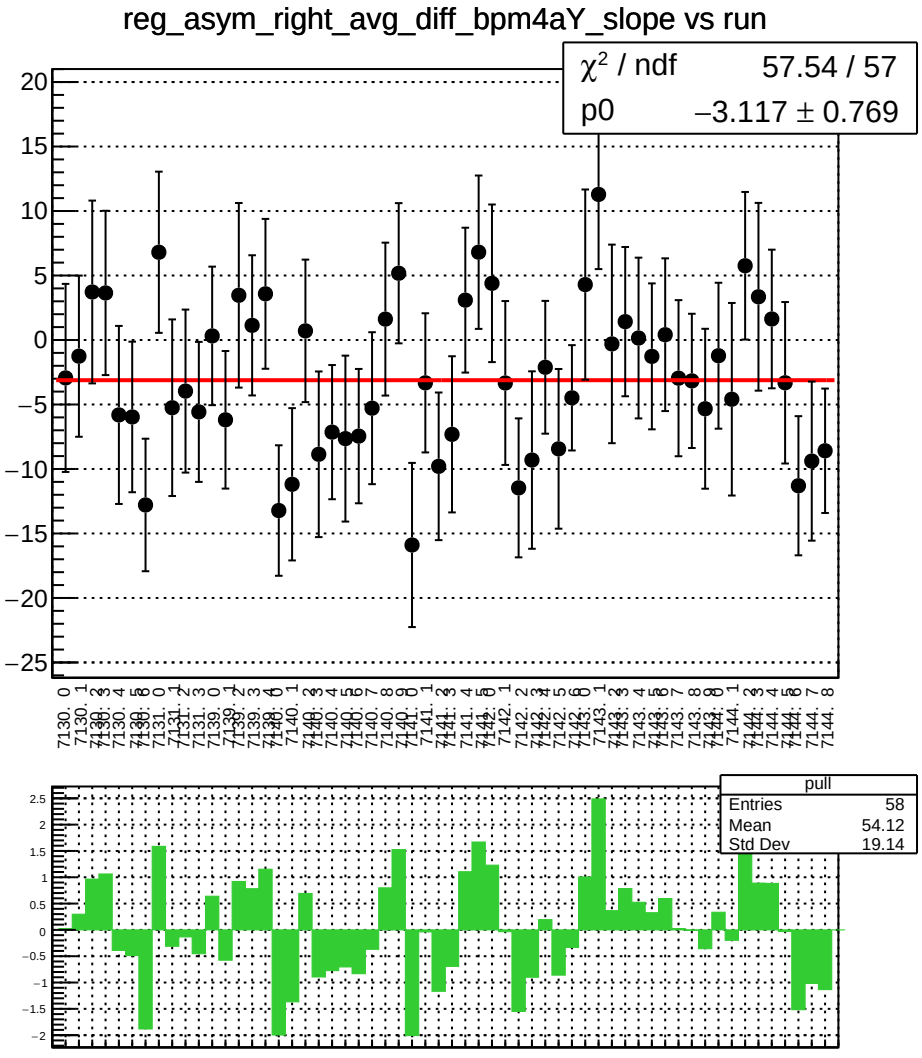

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 38.13 / 57
p0 −0.6539 ± 0.8454
pull
Entries 58
Mean 9.509
Std Dev 32.39
pull1D
Entries 58
Mean −0.008605
Std Dev 0.8108

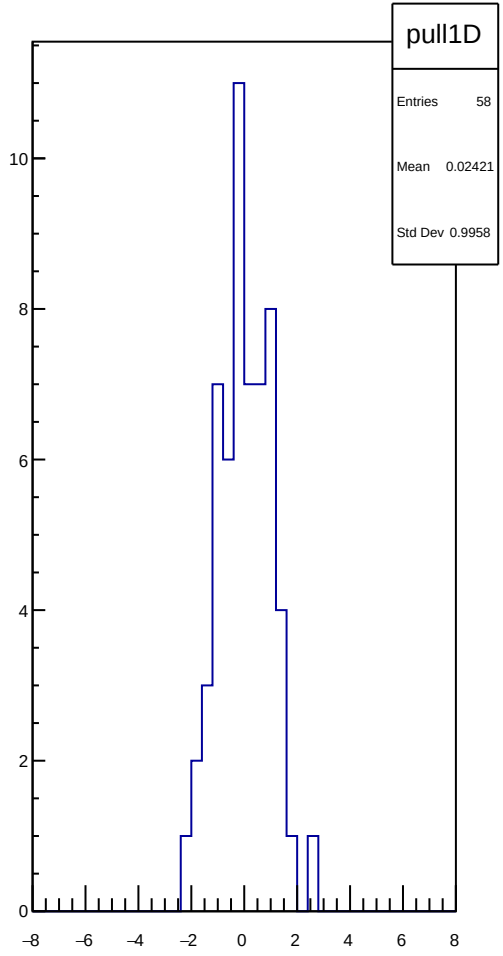

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.78 / 57
p0 5.965 ± 0.8056
pull
Entries 58
Mean −77.93
Std Dev 105.8

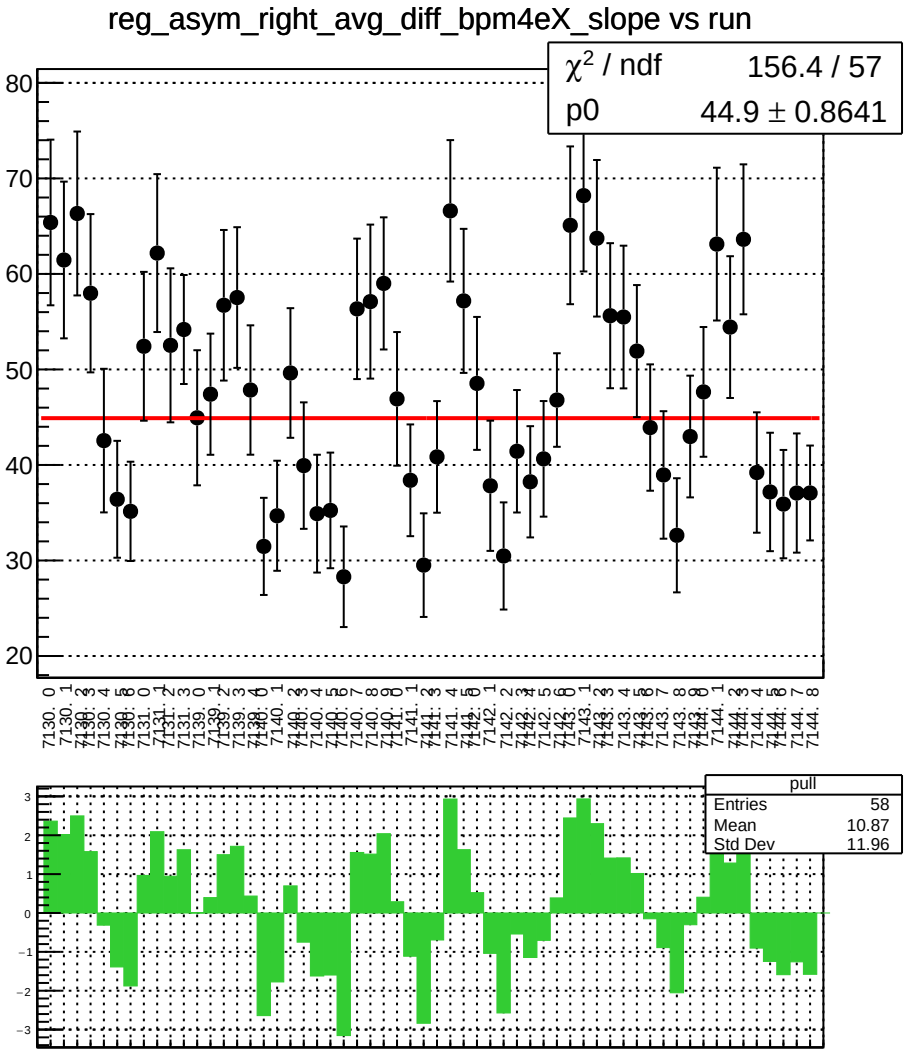

pull1D
Entries 58
Mean 0.026
Std Dev 0.785

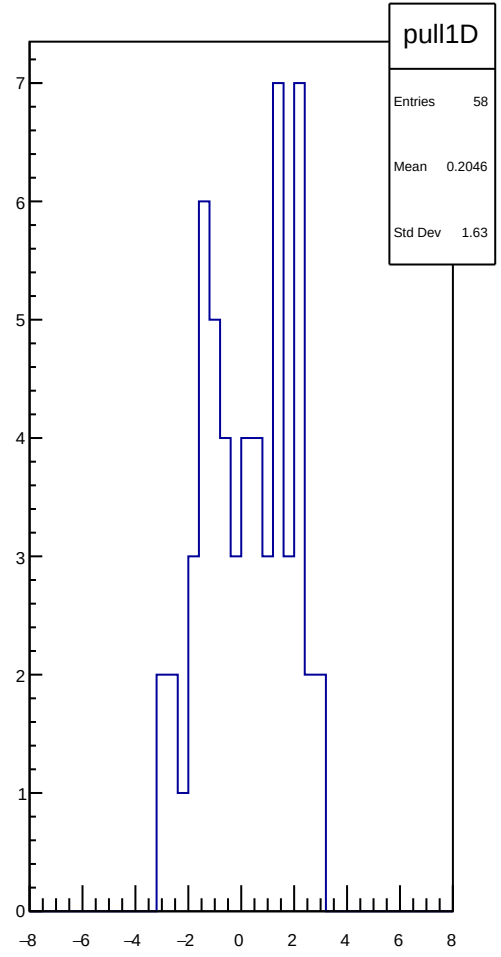

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 75.58 / 57
p0 −19.16 ± 0.03746
pull
Entries 58
Mean 152.8
Std Dev 135.6
pull1D
Entries 58
Mean 0.03045
Std Dev 1.141

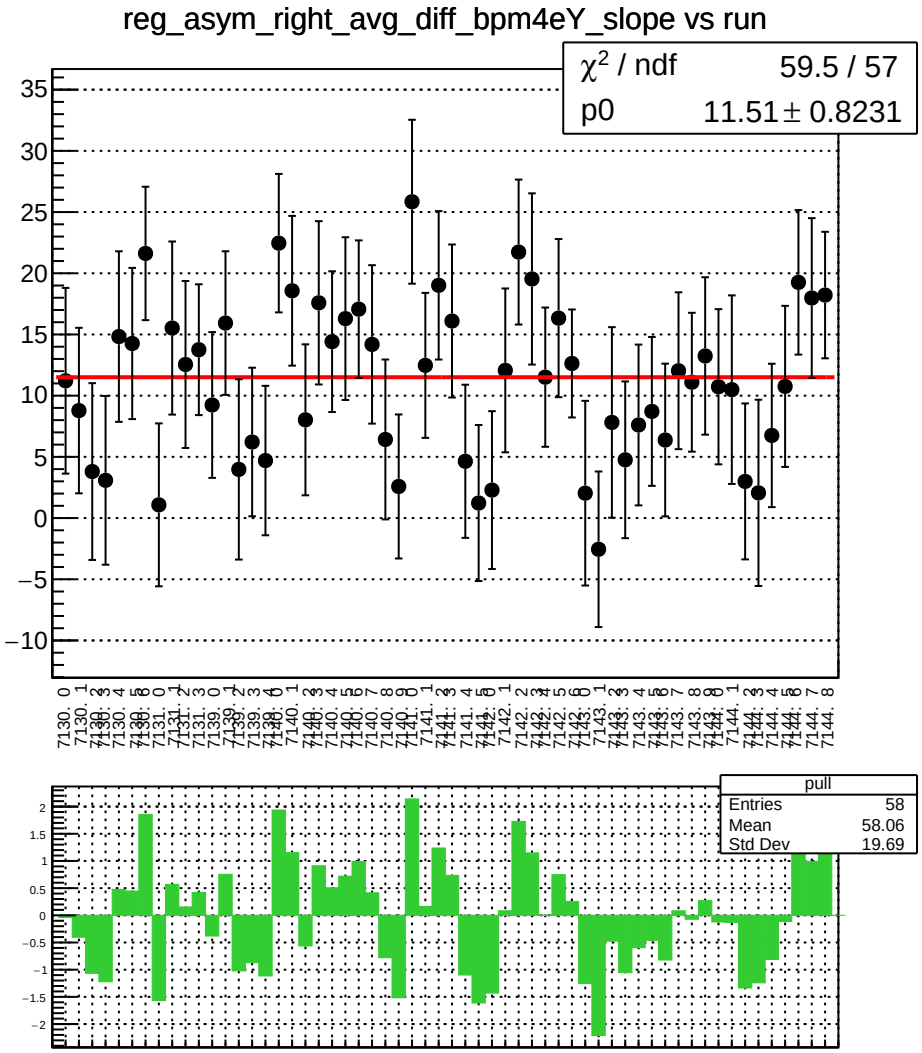

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 145.5 / 57
p0 −16.55 ± 0.8487
pull
Entries 58
Mean 11.36
Std Dev 11.92
pull1D
Entries 58
Mean −0.1937
Std Dev 1.572

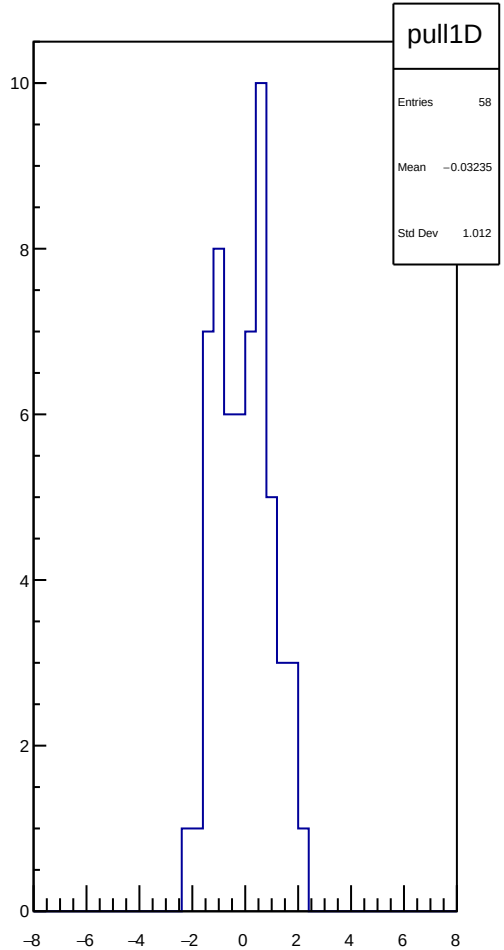

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.54 / 57
p0 −3.117 ± 0.769
pull
Entries 58
Mean 54.12
Std Dev 19.14

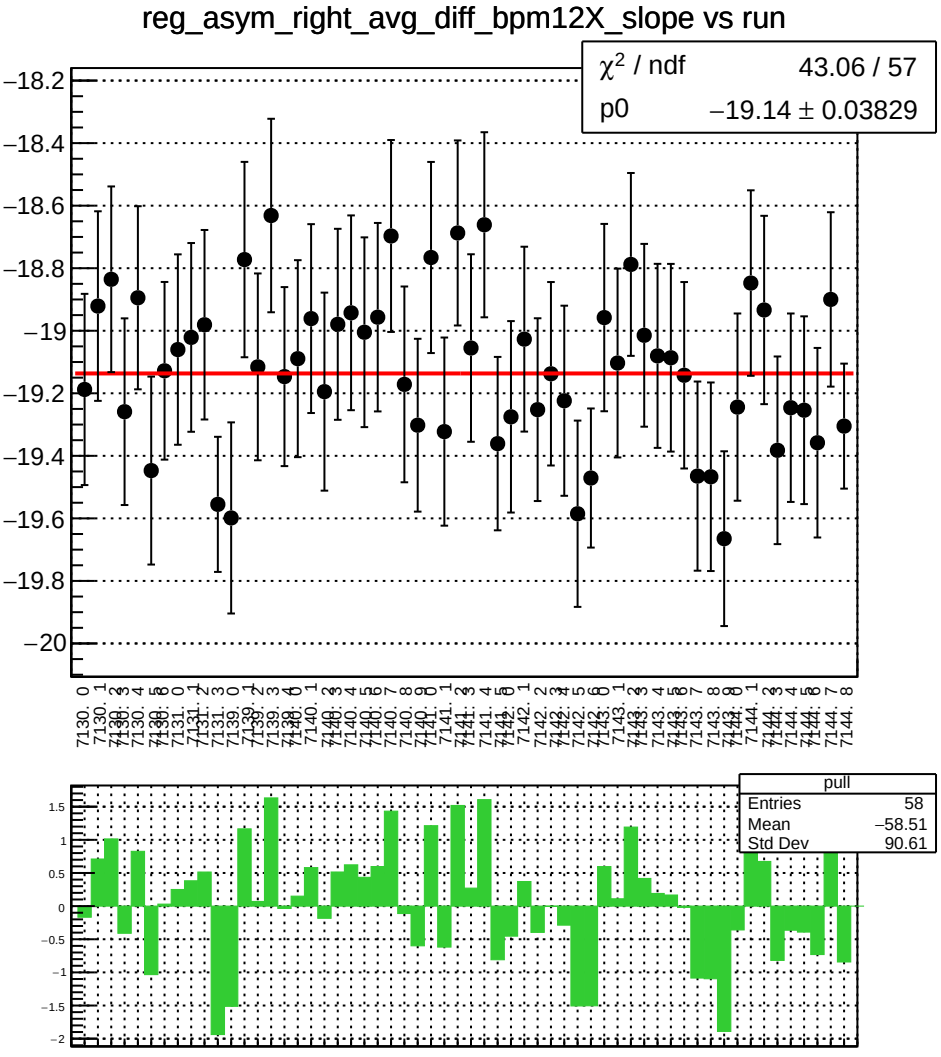

pull1D
Entries 58
Mean 0.02421
Std Dev 0.9958

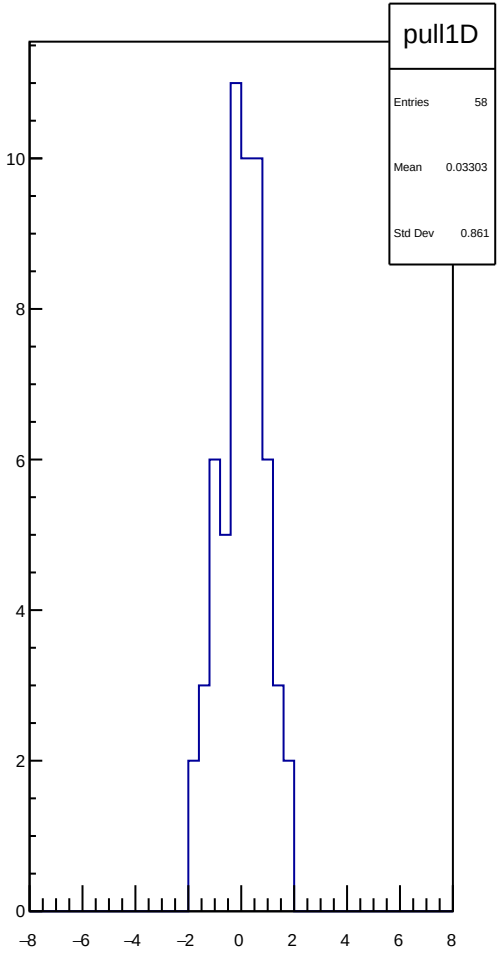

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 156.4 / 57
p0 44.9 ± 0.8641
pull
Entries 58
Mean 10.87
Std Dev 11.96

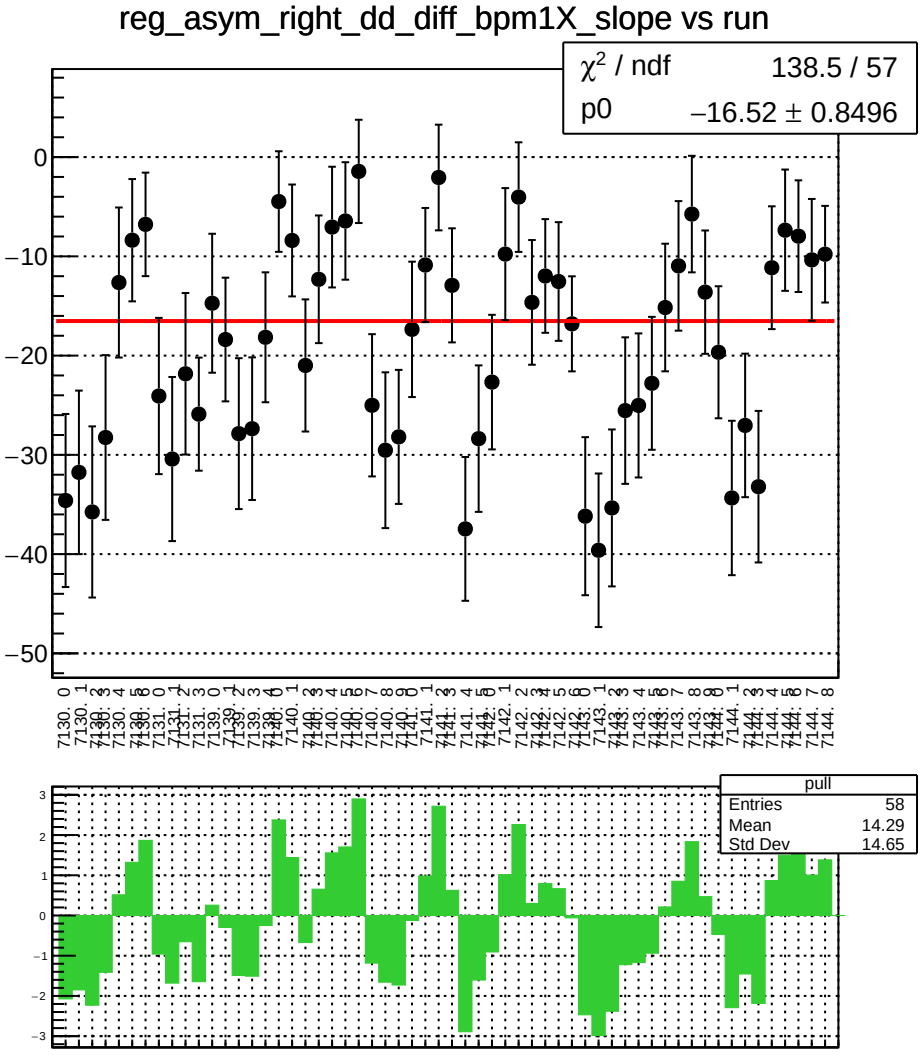

pull1D
Entries 58
Mean 0.2046
Std Dev 1.63

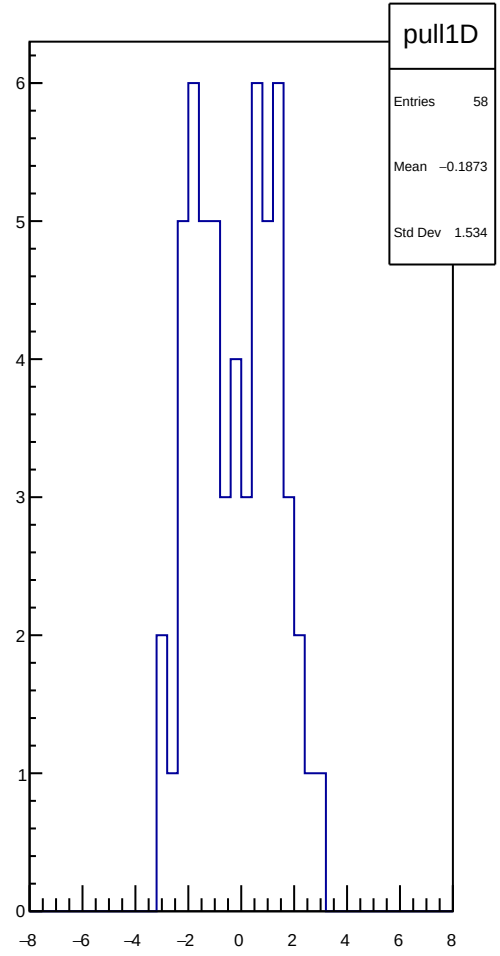

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.5 / 57
p0 11.51 ± 0.8231
pull
Entries 58
Mean 58.06
Std Dev 19.69

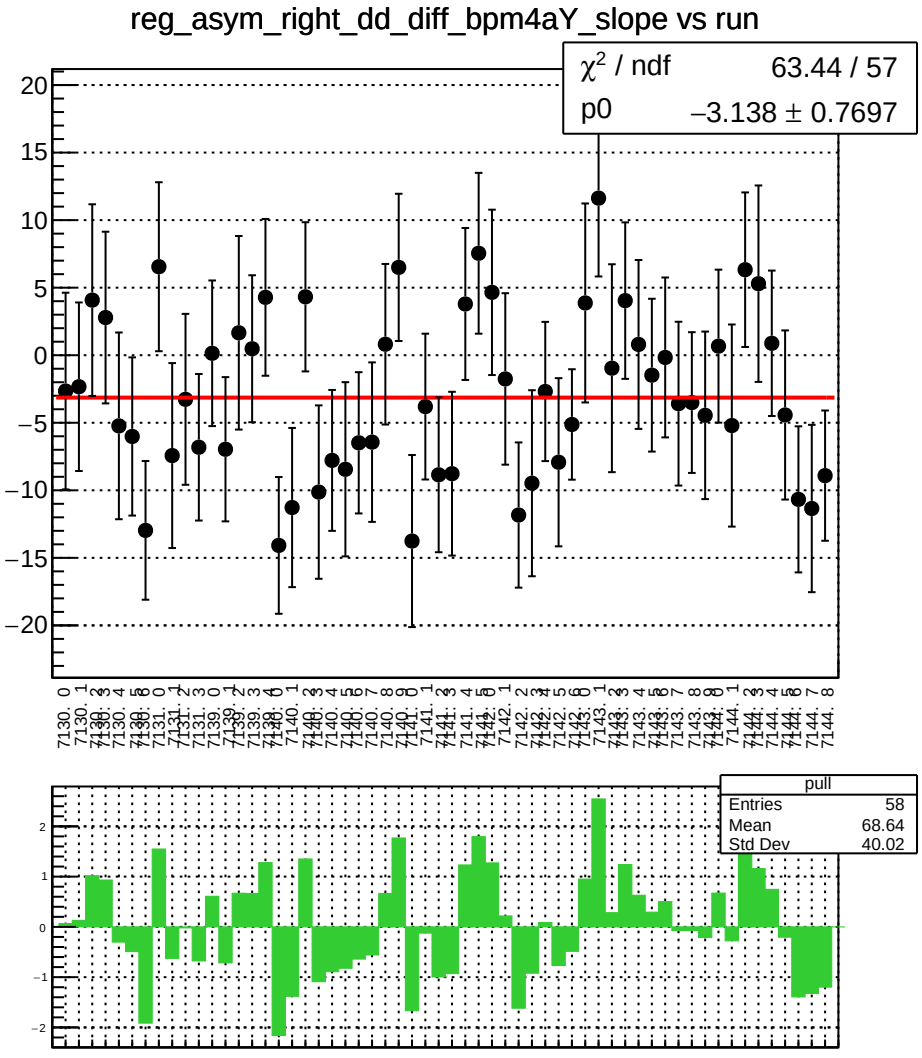

pull1D
Entries 58
Mean −0.03235
Std Dev 1.012

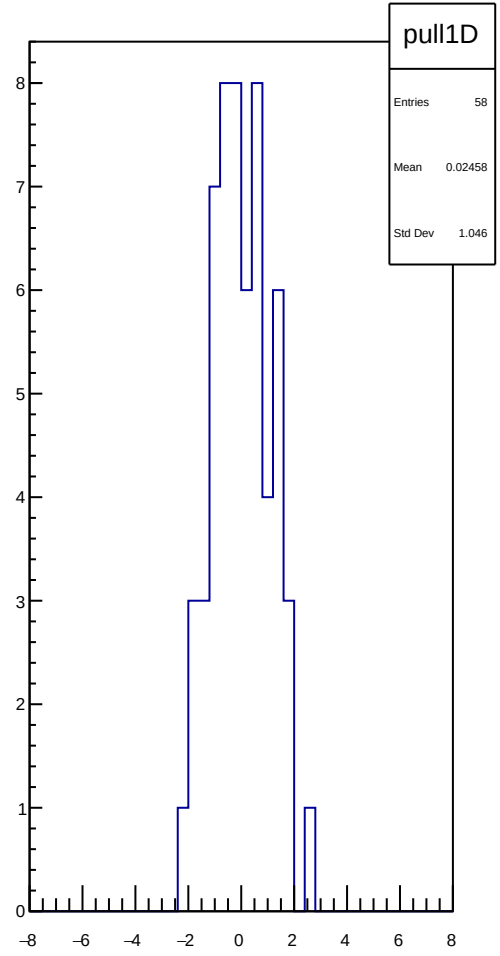

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 43.06 / 57
p0 −19.14 ± 0.03829
pull
Entries 58
Mean −58.51
Std Dev 90.61

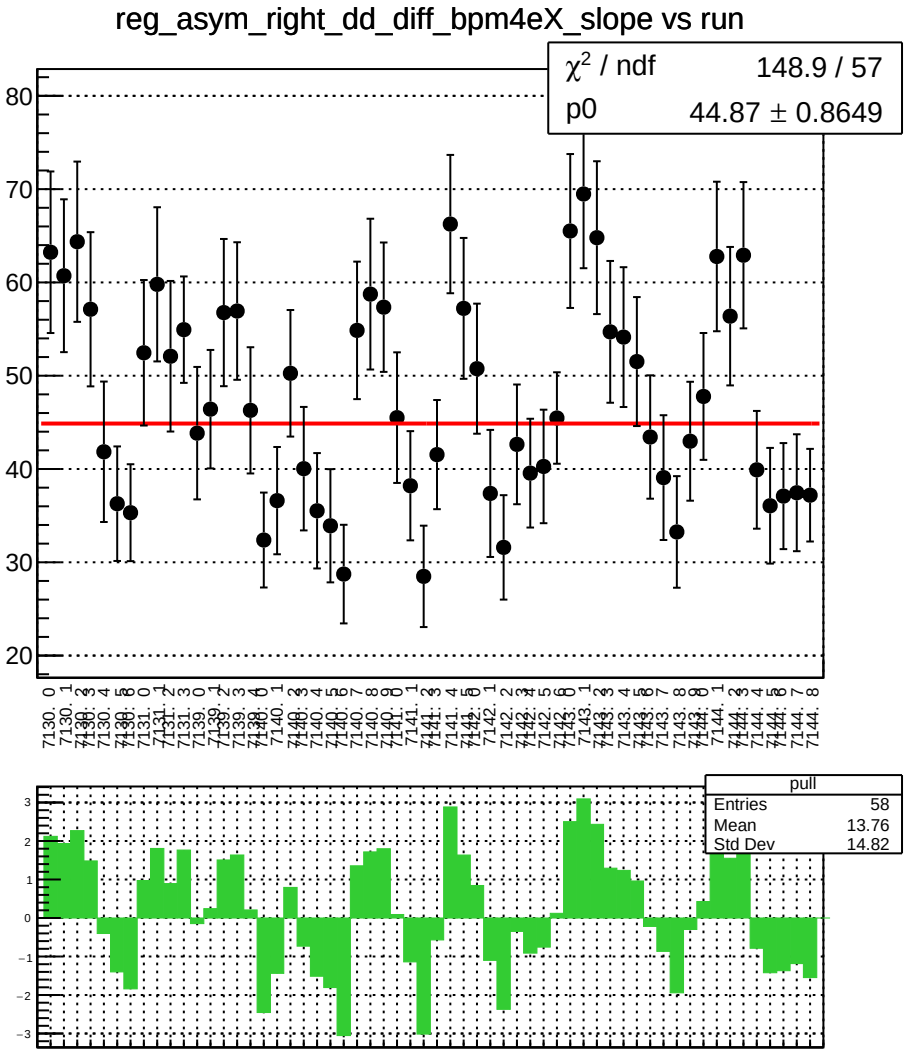

pull1D
Entries 58
Mean 0.03303
Std Dev 0.861

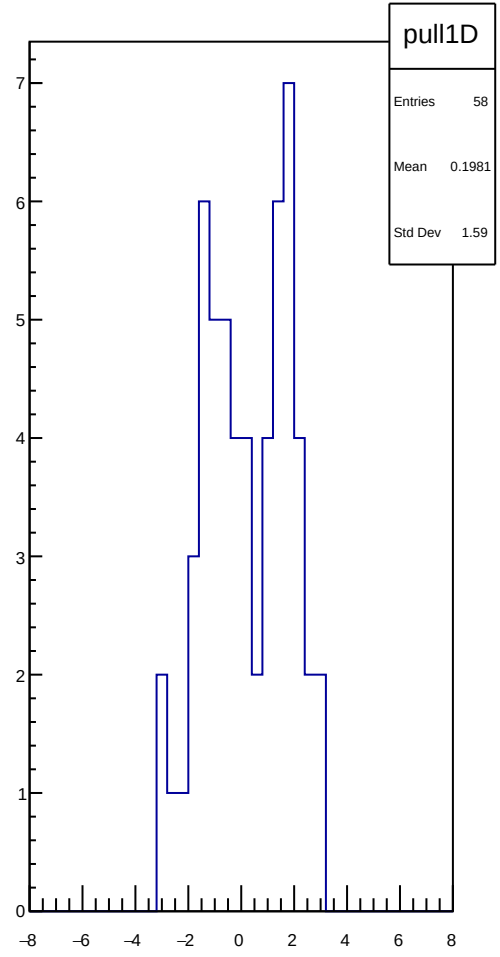

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 138.5 / 57
p0 −16.52 ± 0.8496
pull
Entries 58
Mean 14.29
Std Dev 14.65

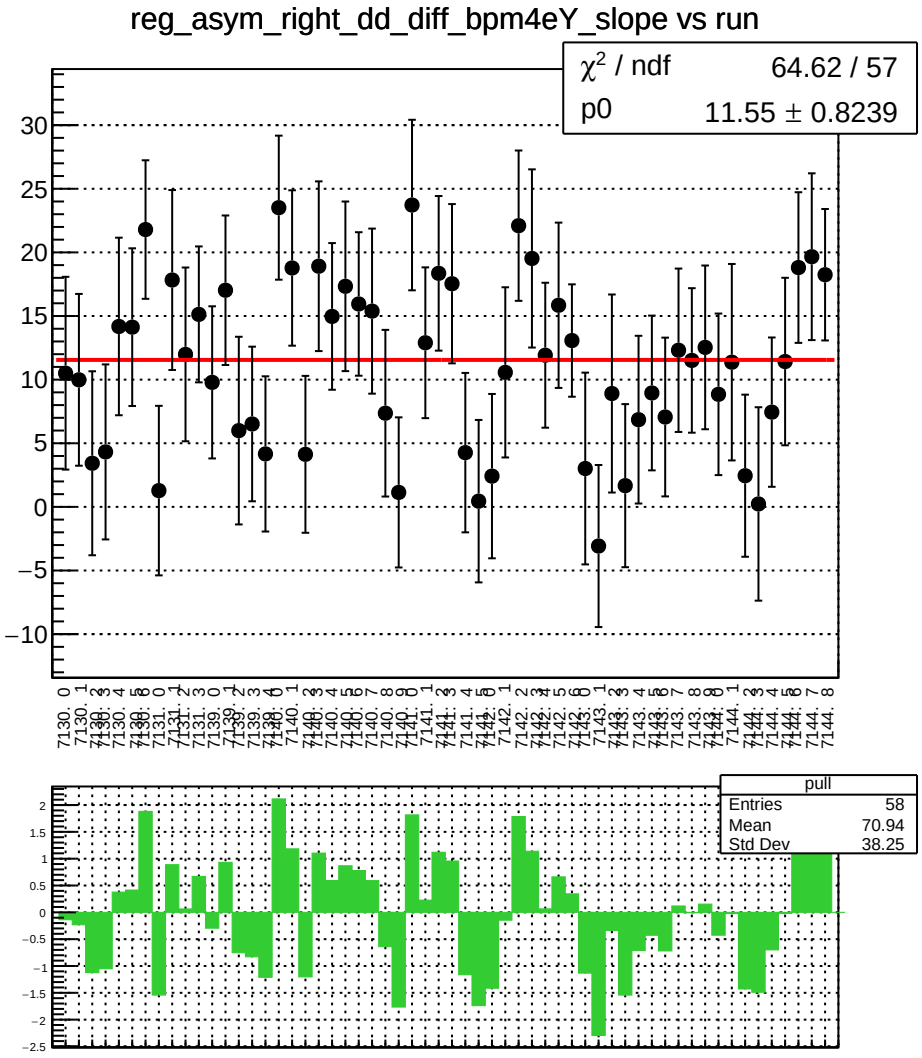

pull1D
Entries 58
Mean −0.1873
Std Dev 1.534

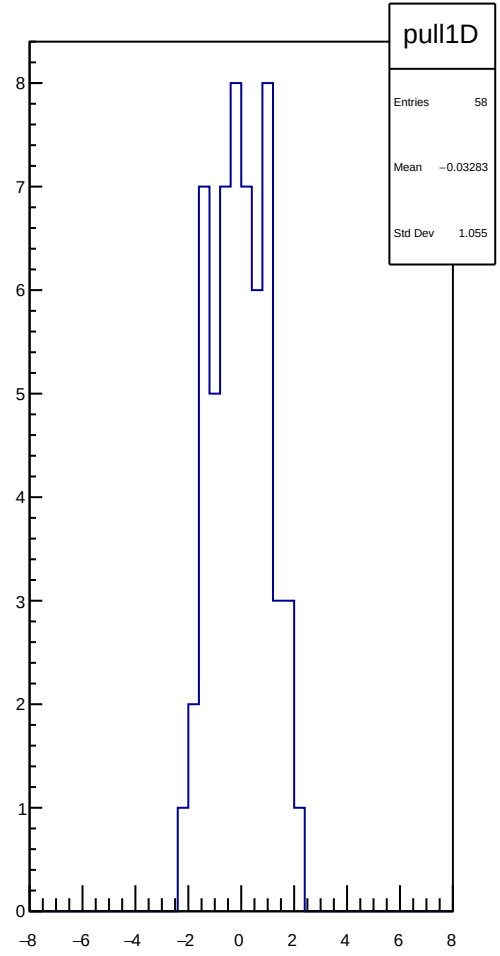

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.44 / 57
p0 −3.138 ± 0.7697
pull
Entries 58
Mean 68.64
Std Dev 40.02

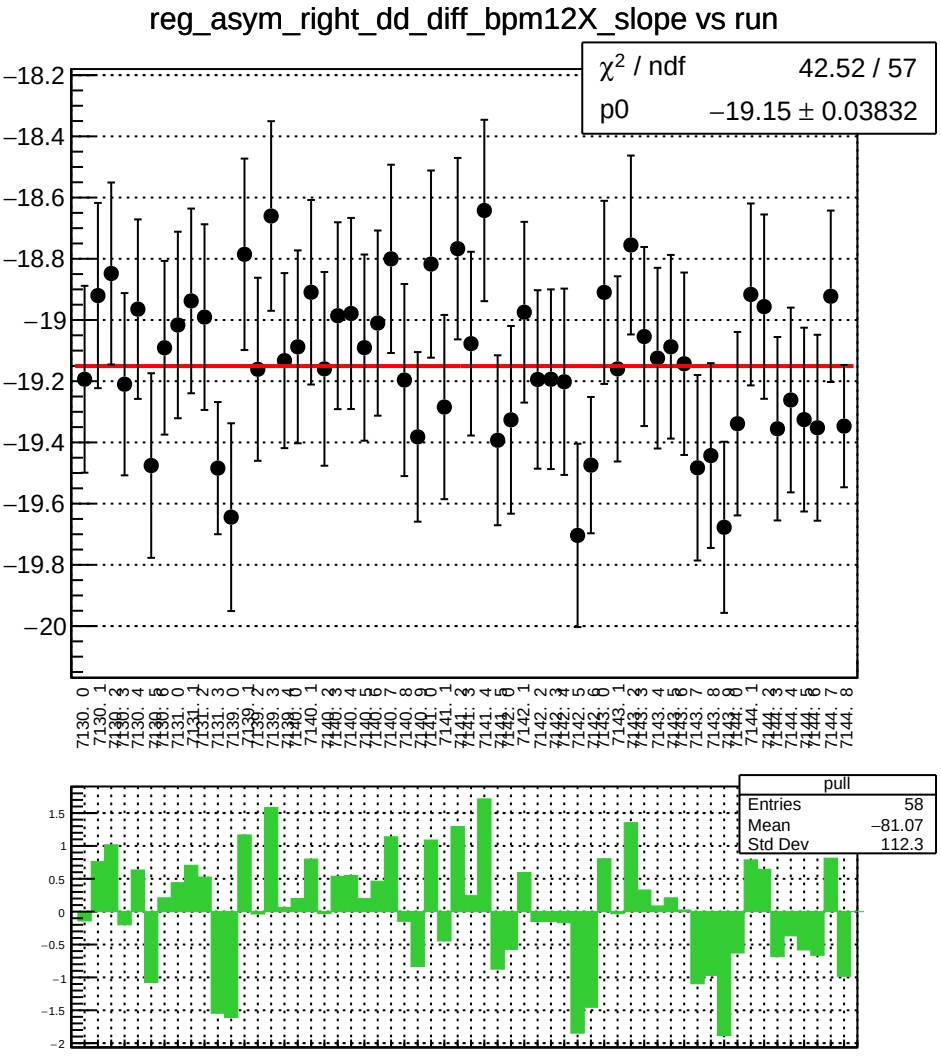

pull1D
Entries 58
Mean 0.02458
Std Dev 1.046

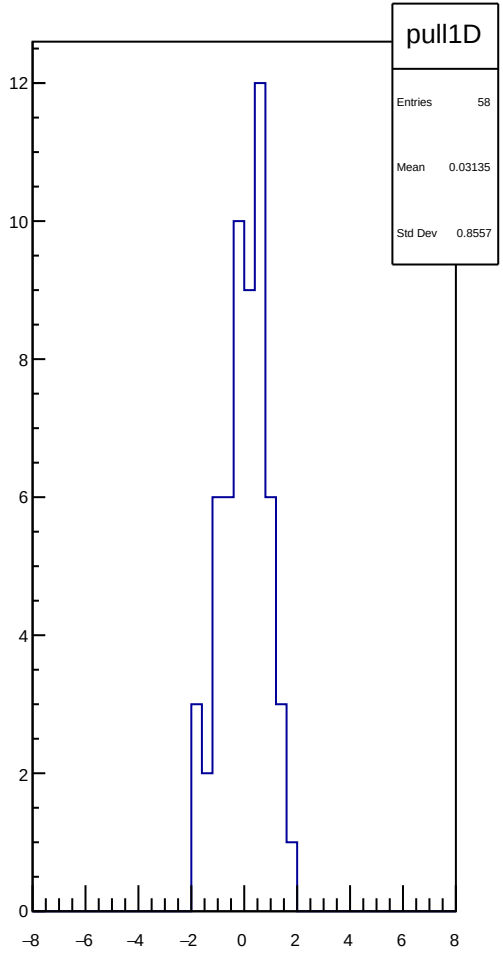

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 148.9 / 57
p0 44.87 ± 0.8649
pull
Entries 58
Mean 13.76
Std Dev 14.82

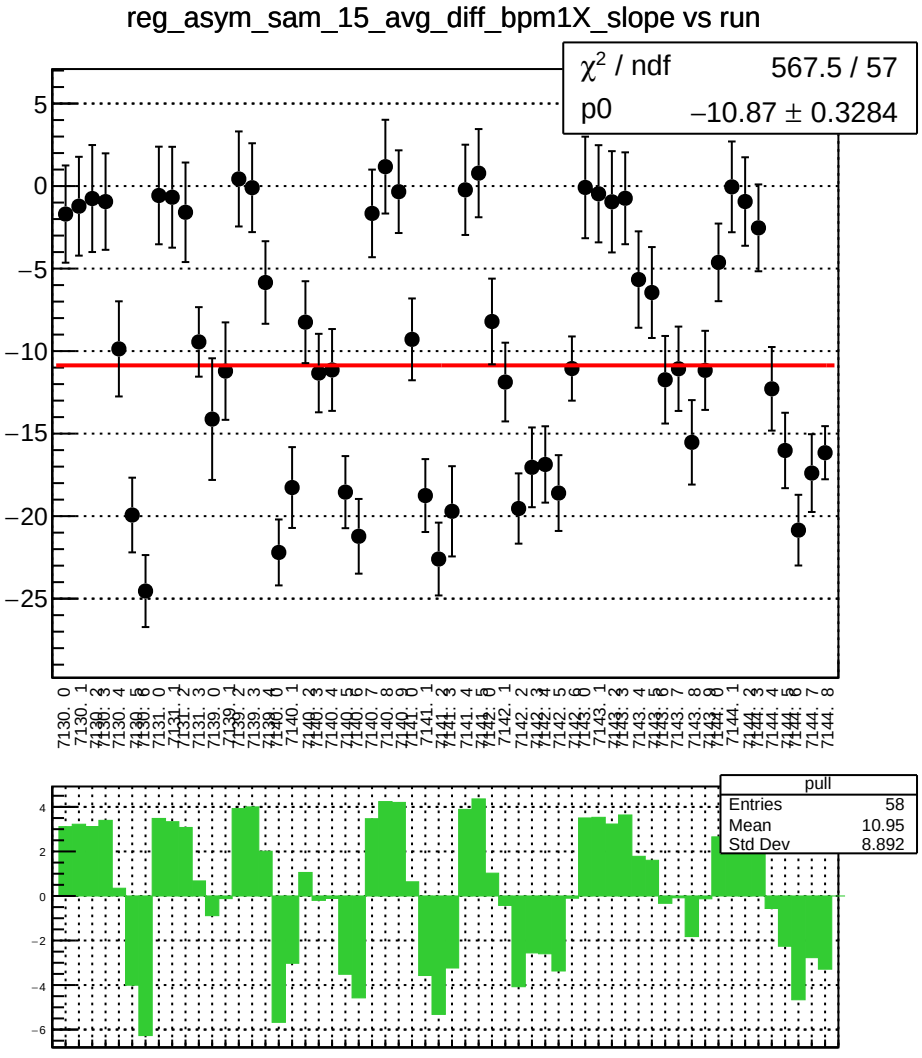

pull1D
Entries 58
Mean 0.1981
Std Dev 1.59

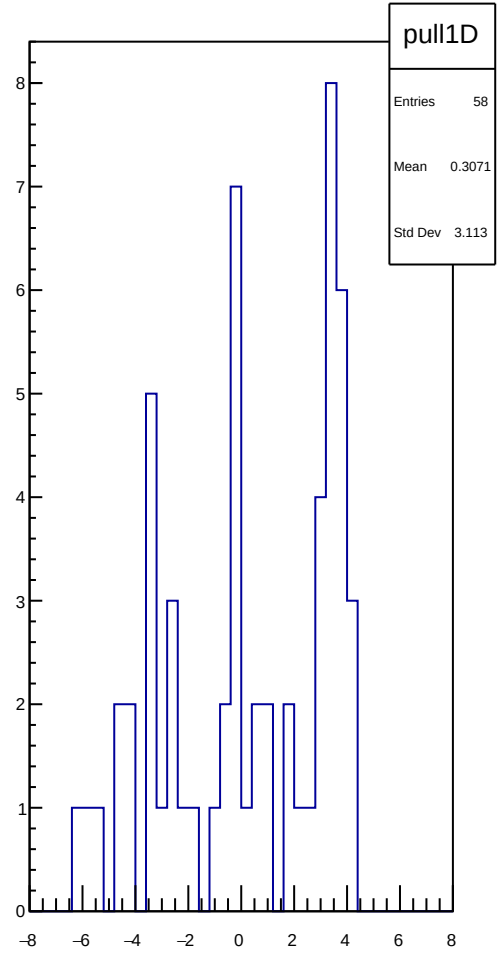

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.62 / 57
p0 11.55 ± 0.8239
pull
Entries 58
Mean 70.94
Std Dev 38.25


pull1D
Entries 58
Mean −0.03283
Std Dev 1.055

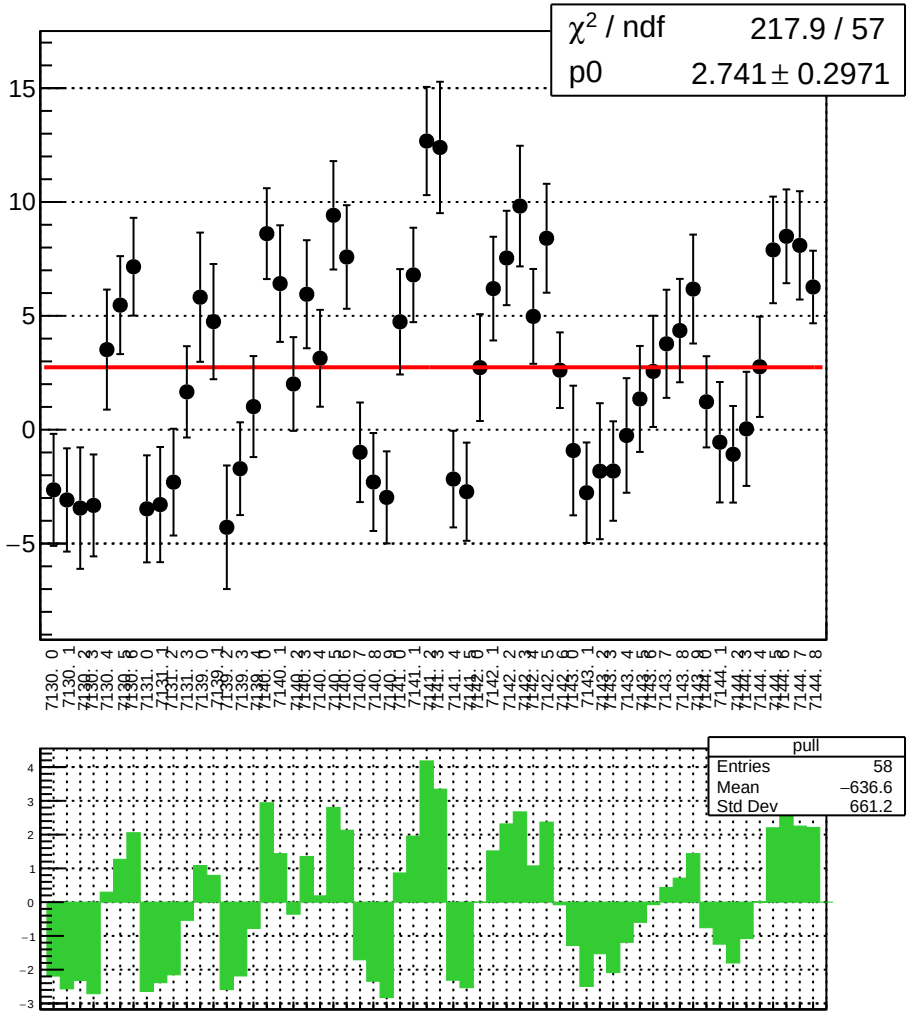

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 42.52 / 57
p0 −19.15 ± 0.03832
pull
Entries 58
Mean −81.07
Std Dev 112.3

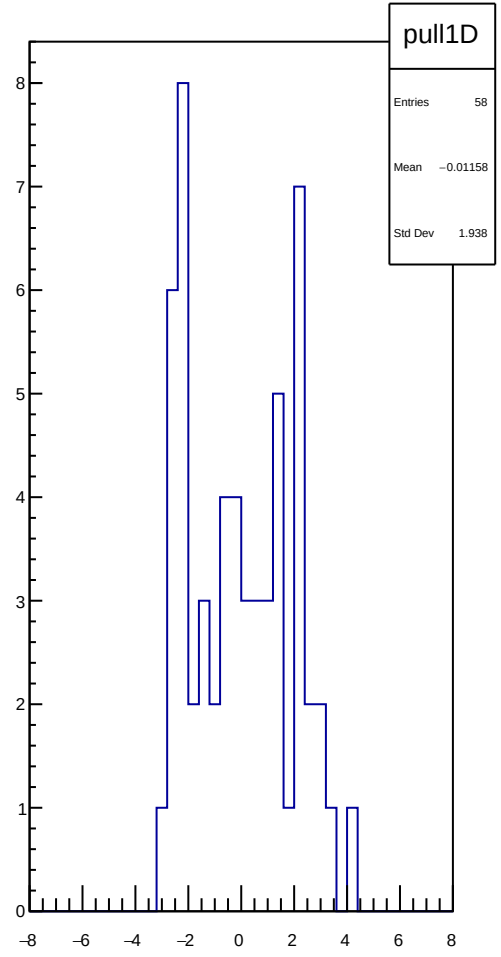

pull1D
Entries 58
Mean 0.03135
Std Dev 0.8557


reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 567.5 / 57
p0 −10.87 ± 0.3284
pull
Entries 58
Mean 10.95
Std Dev 8.892

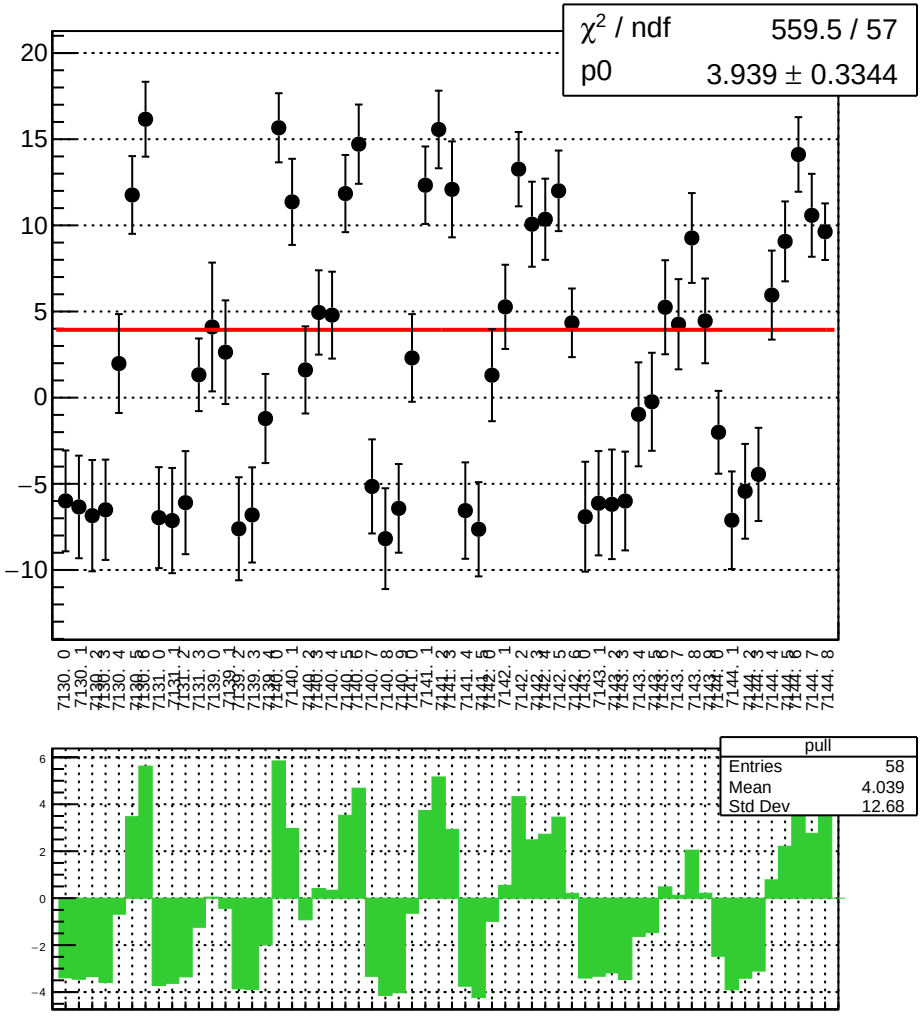

pull1D
Entries 58
Mean 0.3071
Std Dev 3.113

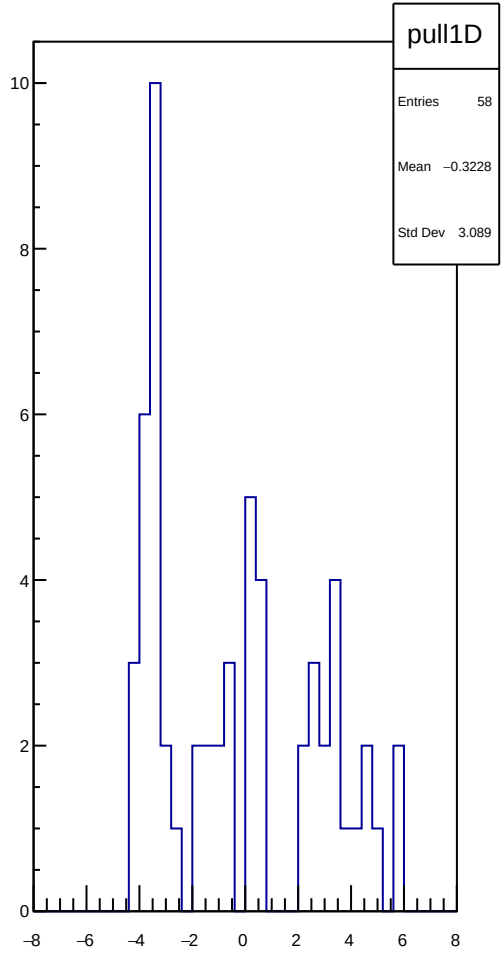
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

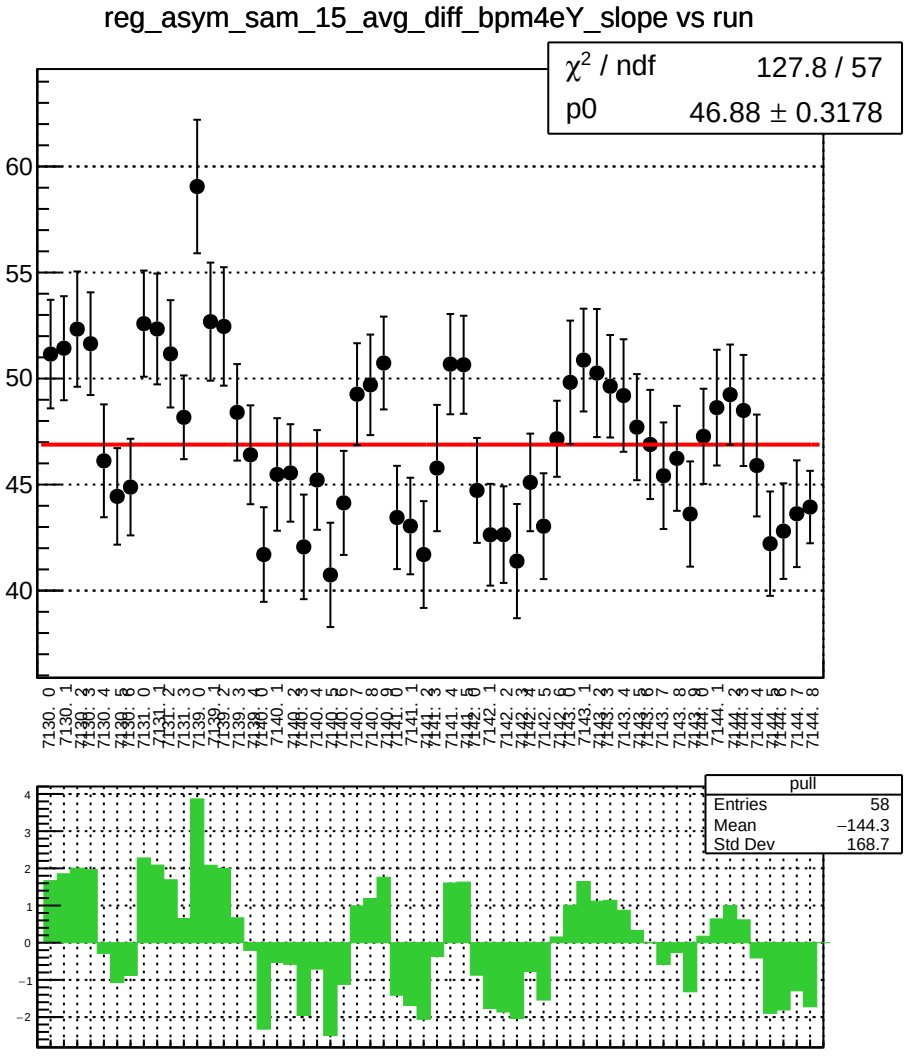


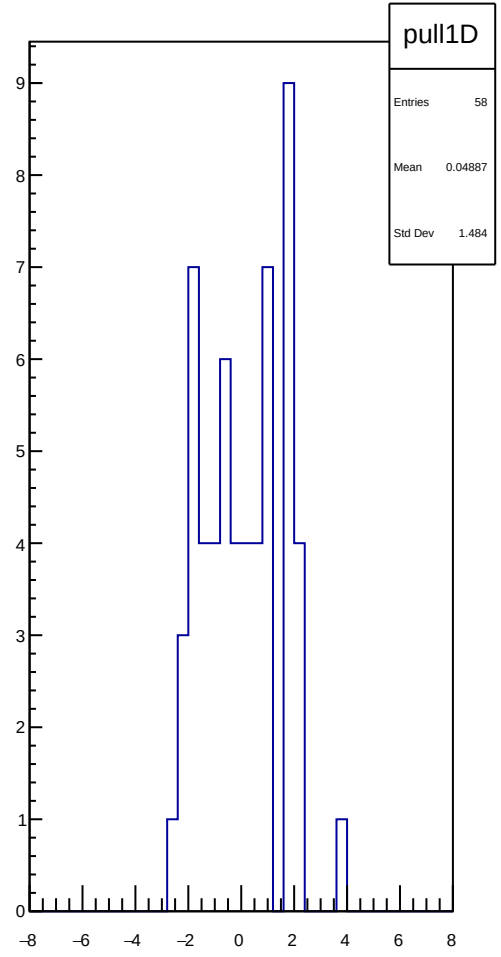


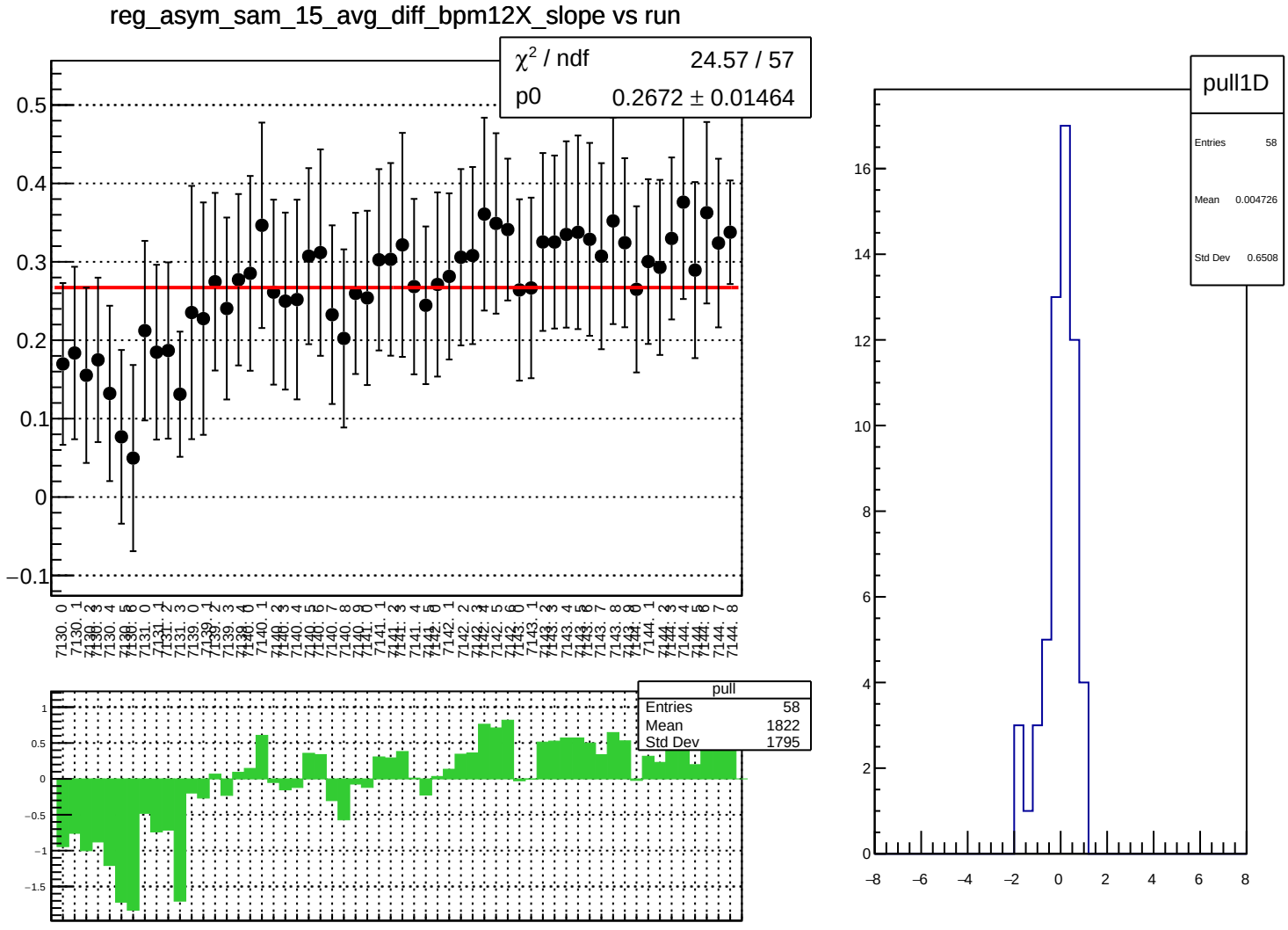
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

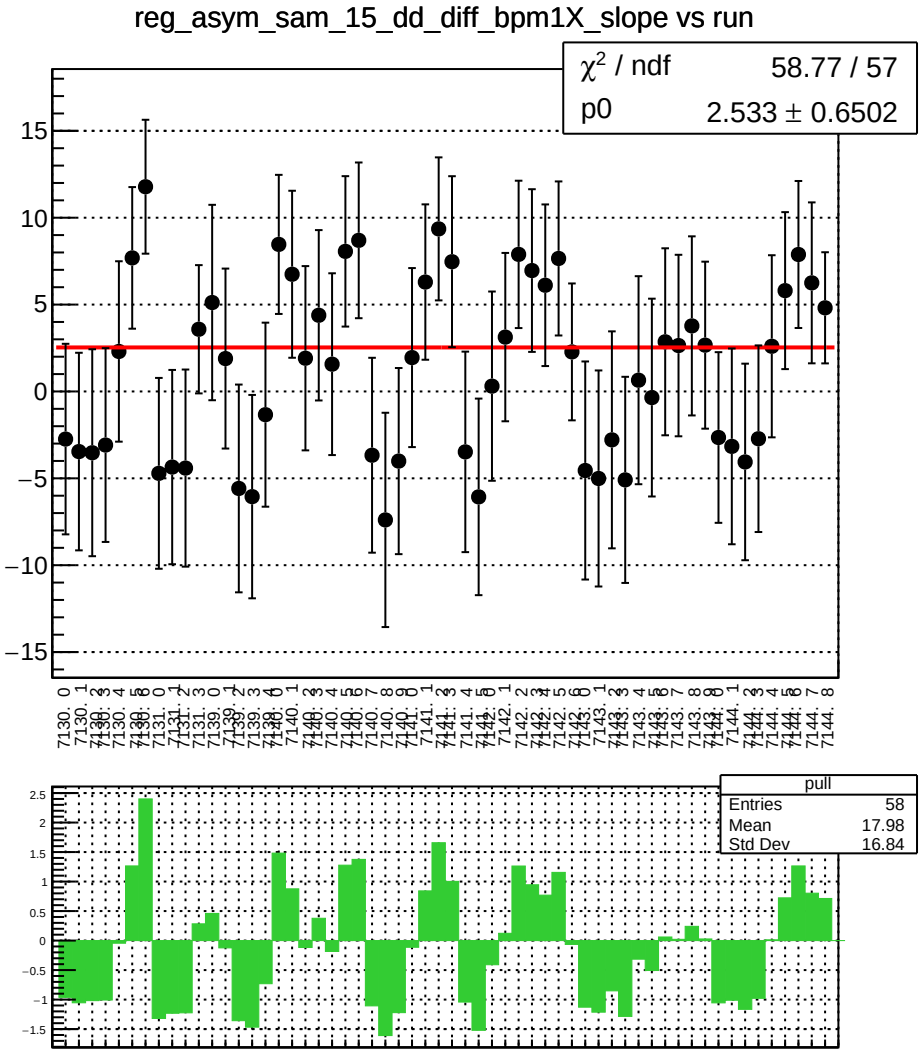


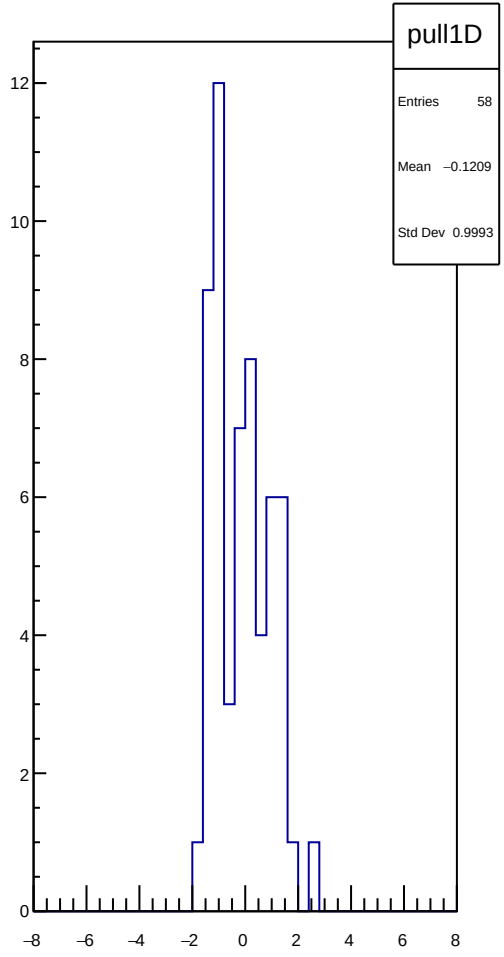


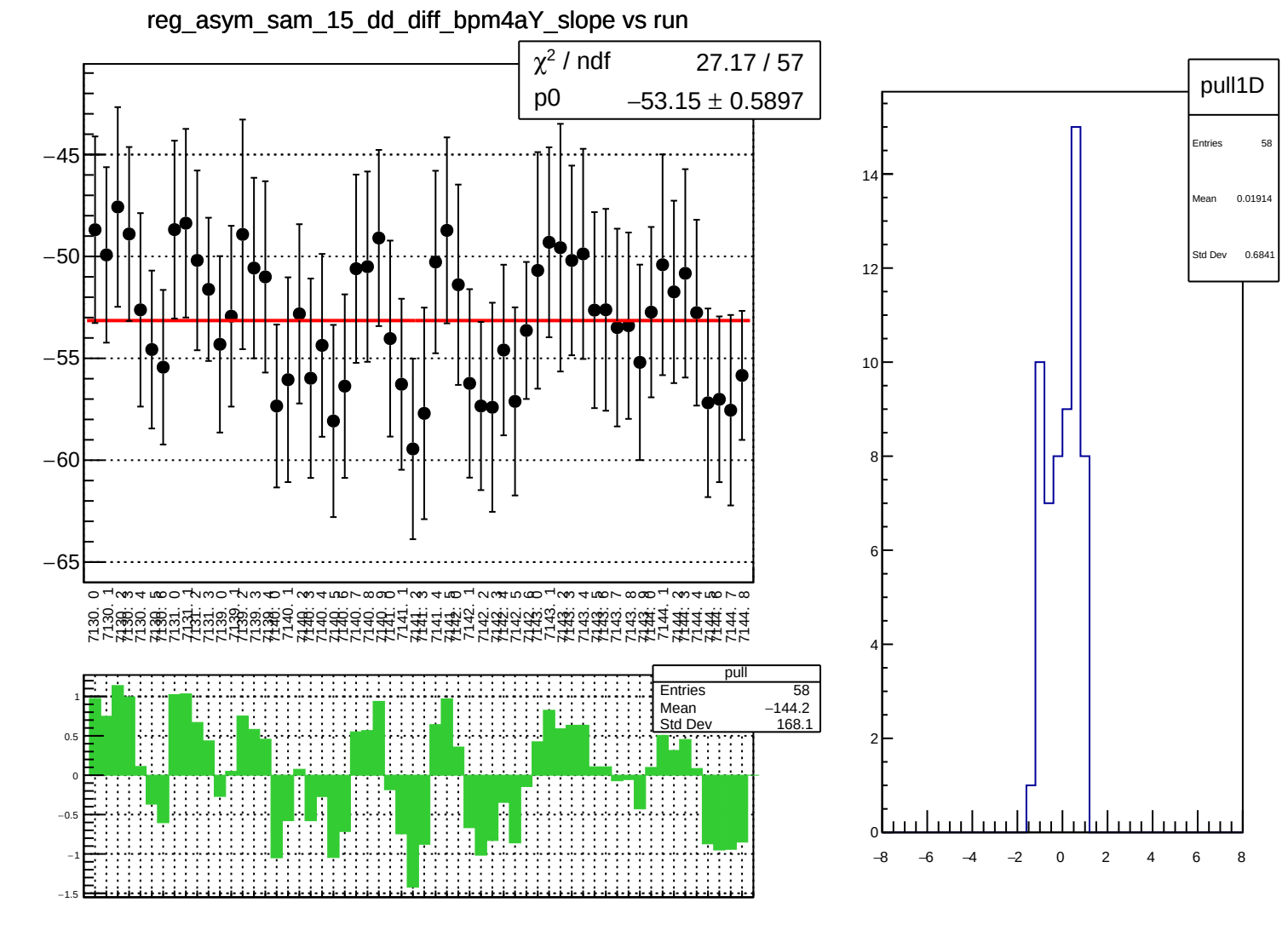

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 127.8 / 57
p0 46.88 ± 0.3178
pull
Entries 58
Mean −144.3
Std Dev 168.7

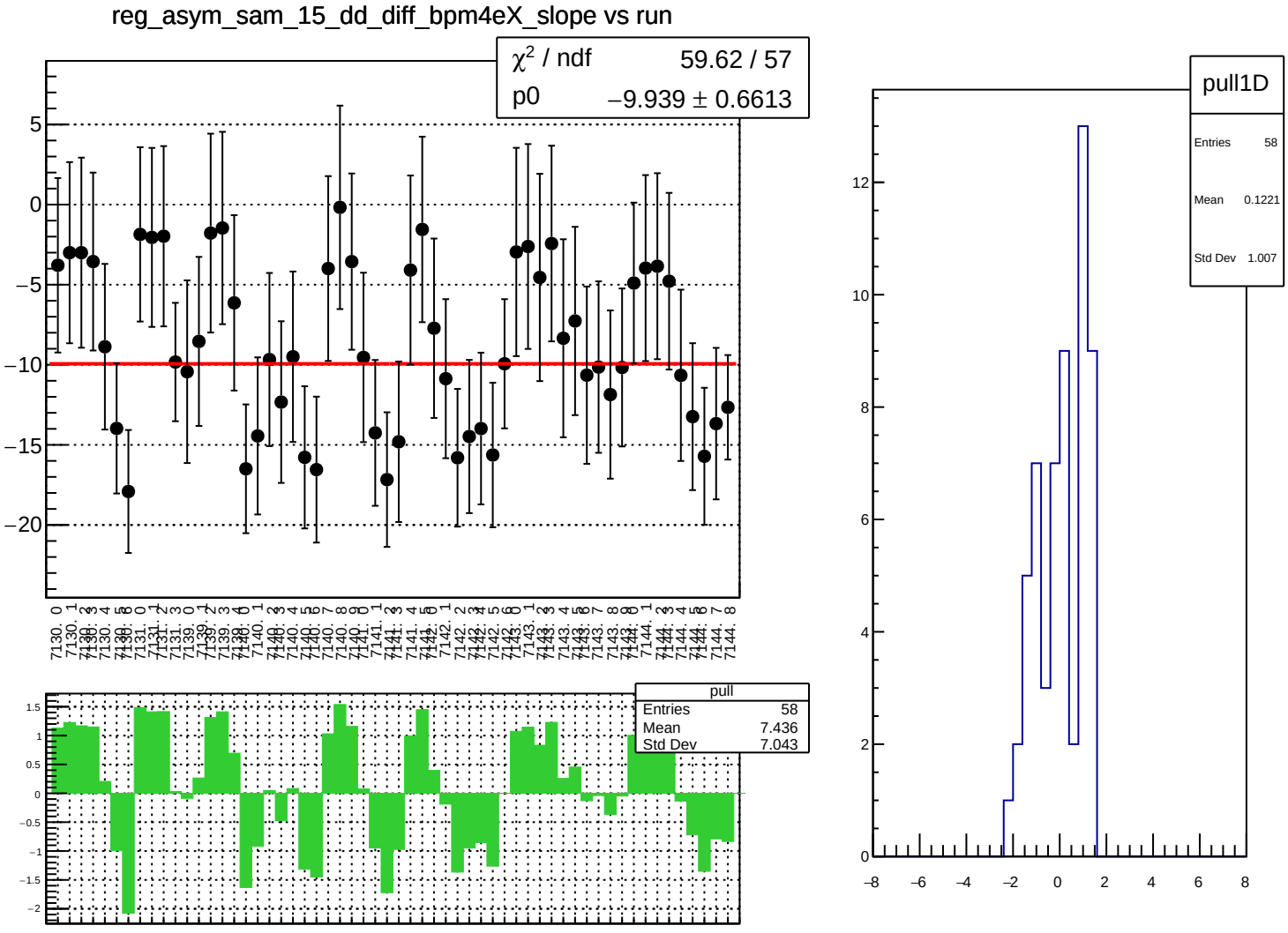

pull1D
Entries 58
Mean 0.04887
Std Dev 1.484

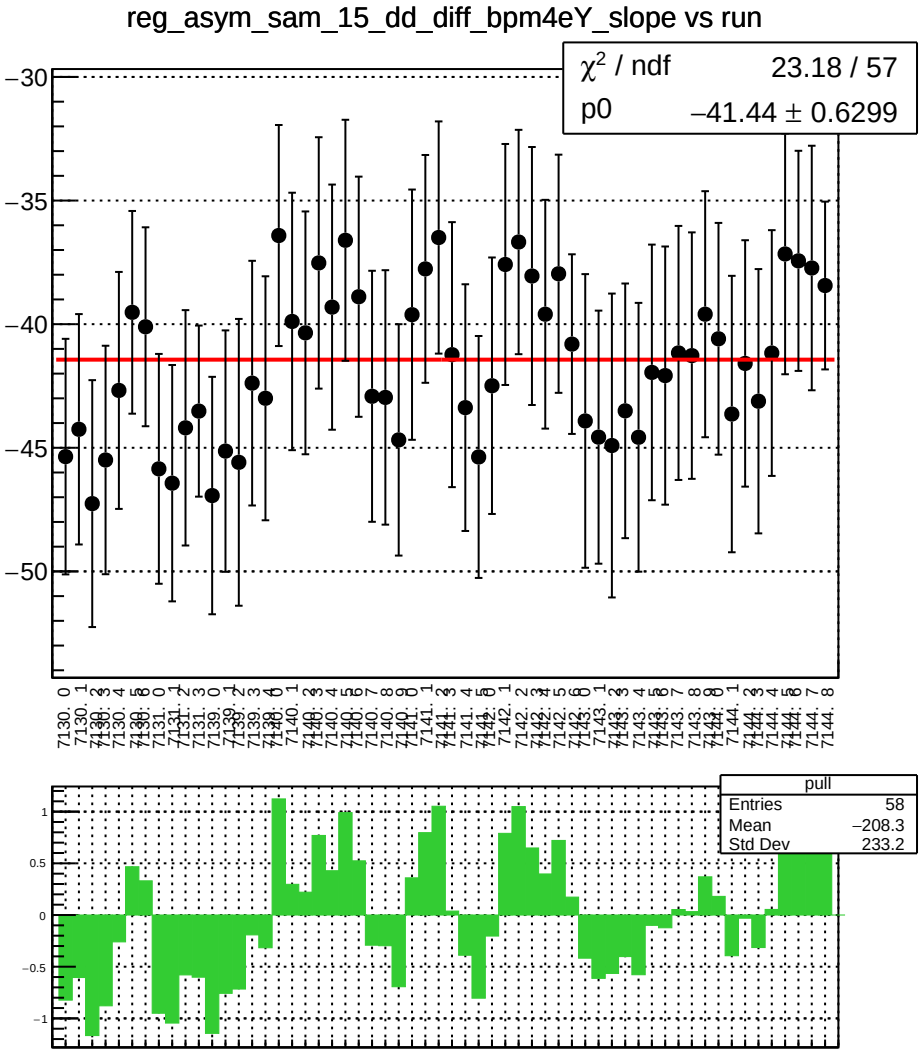

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 24.57 / 57
p0 0.2672 ± 0.01464
pull
Entries 58
Mean 1822
Std Dev 1795
pull1D
Entries 58
Mean 0.004726
Std Dev 0.6508

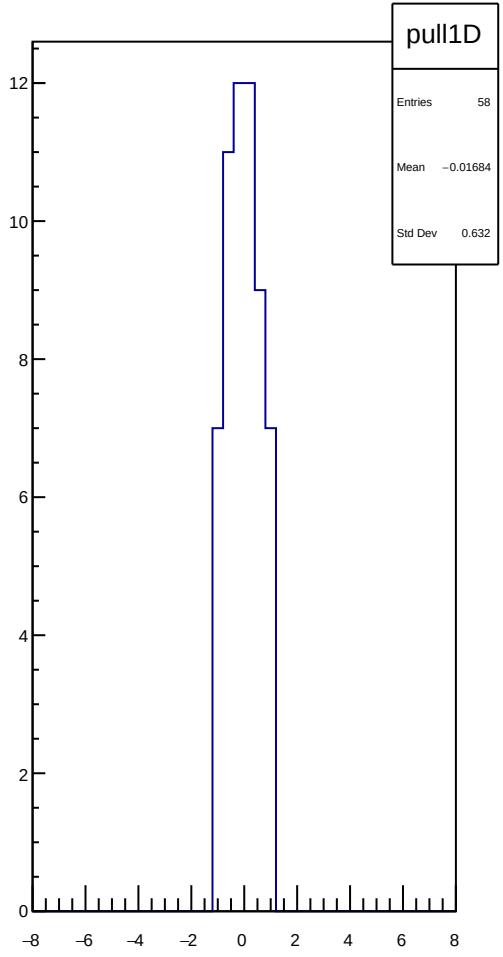

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 58.77 / 57
p0 2.533 ± 0.6502
pull
Entries 58
Mean 17.98
Std Dev 16.84

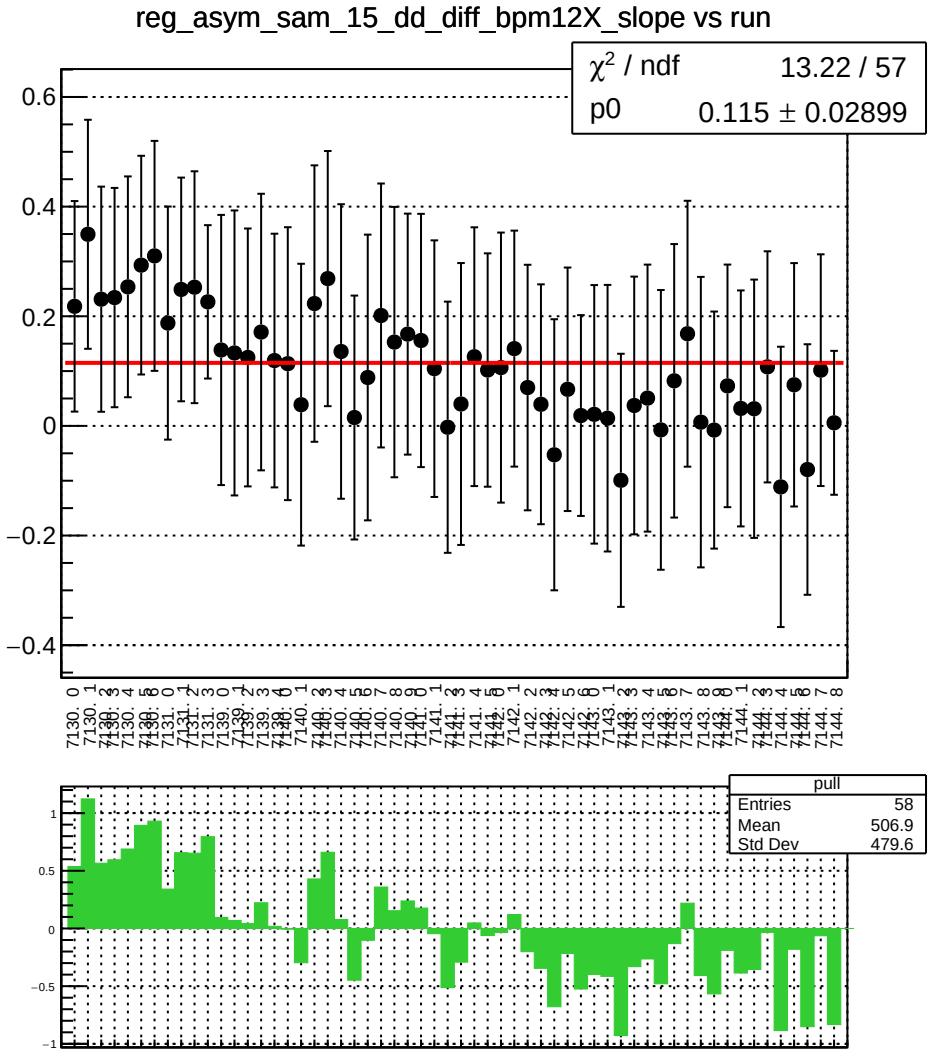

pull1D
Entries 58
Mean −0.1209
Std Dev 0.9993

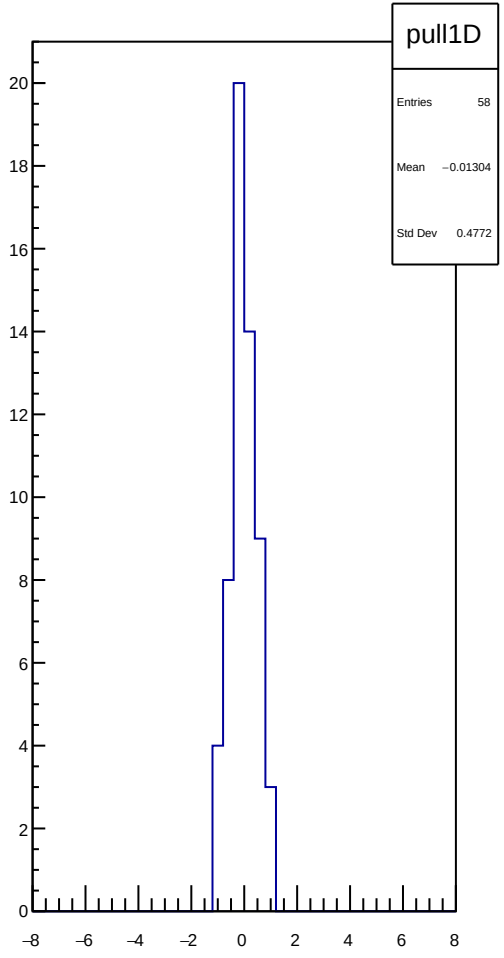

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.17 / 57
p0 −53.15 ± 0.5897
pull
Entries 58
Mean −144.2
Std Dev 168.1
pull1D
Entries 58
Mean 0.01914
Std Dev 0.6841

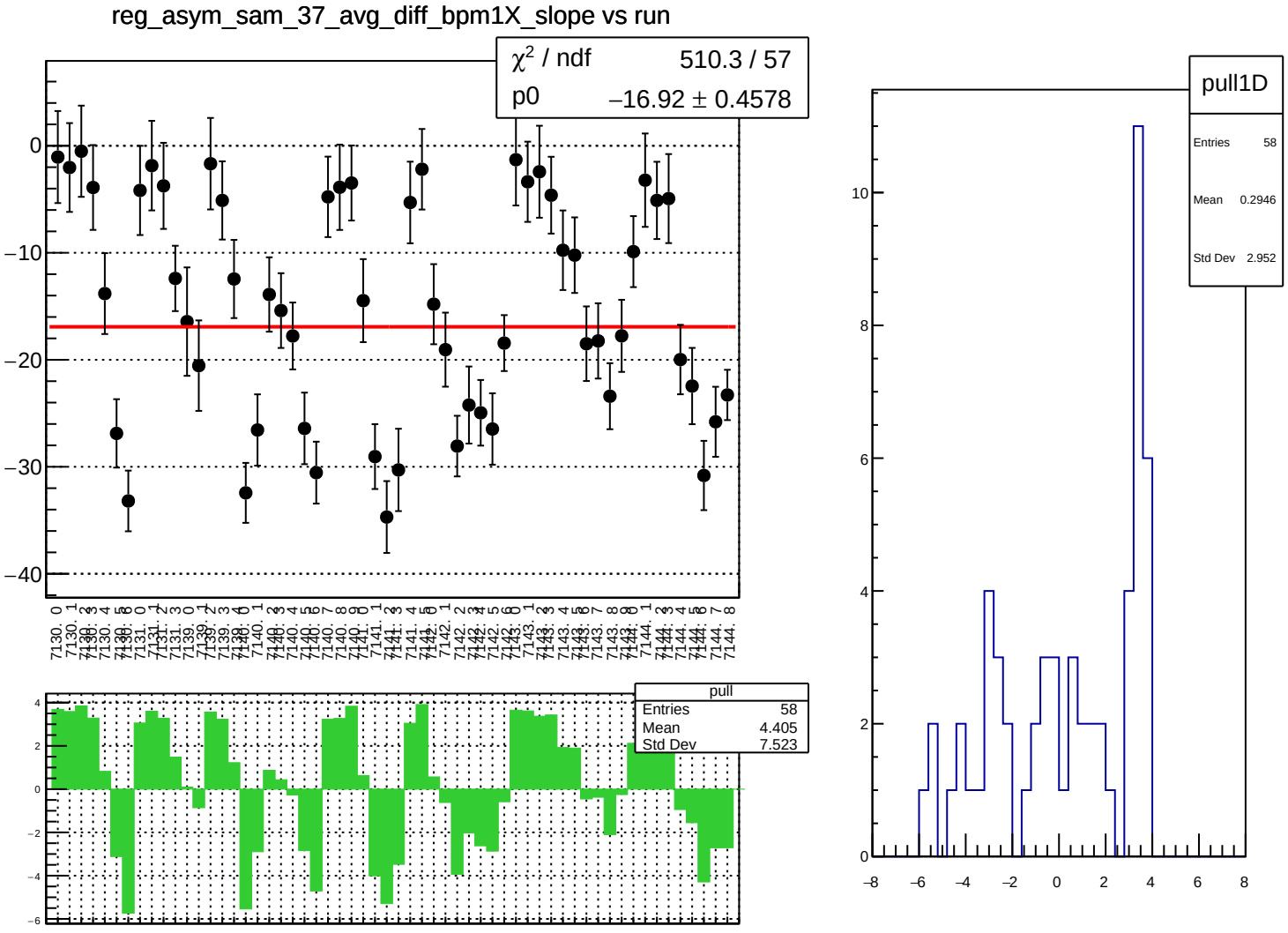

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.62 / 57
p0 −9.939 ± 0.6613
pull
Entries 58
Mean 7.436
Std Dev 7.043
pull1D
Entries 58
Mean 0.1221
Std Dev 1.007

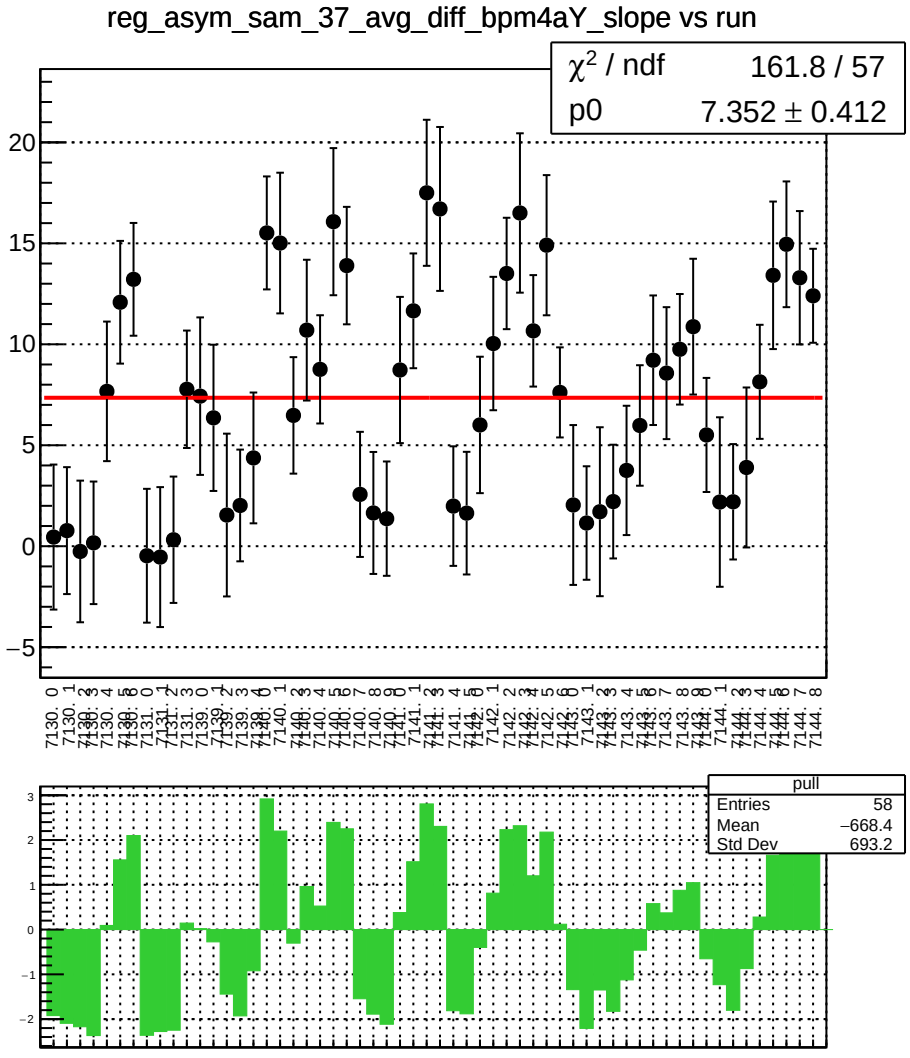

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 23.18 / 57
p0 −41.44 ± 0.6299
pull
Entries 58
Mean −208.3
Std Dev 233.2

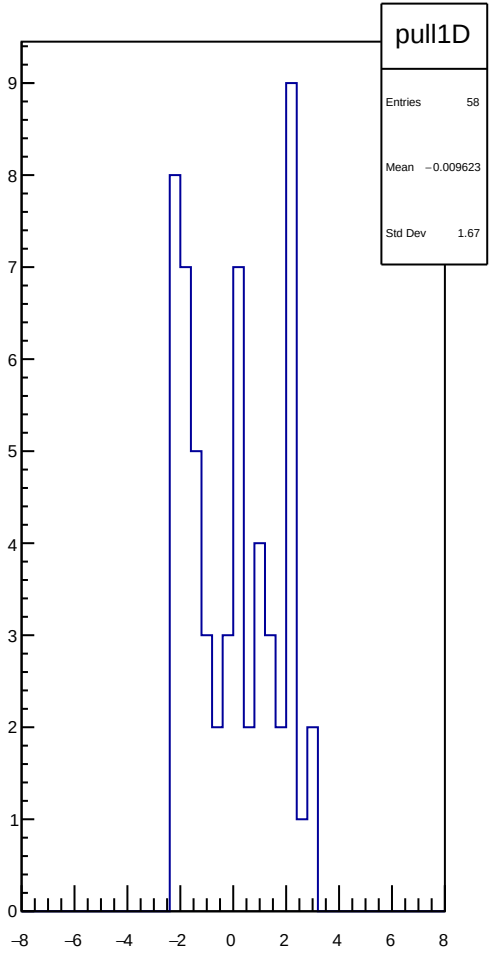

pull1D
Entries 58
Mean −0.01684
Std Dev 0.632


reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 13.22 / 57
p0 0.115 ± 0.02899
pull
Entries 58
Mean 506.9
Std Dev 479.6

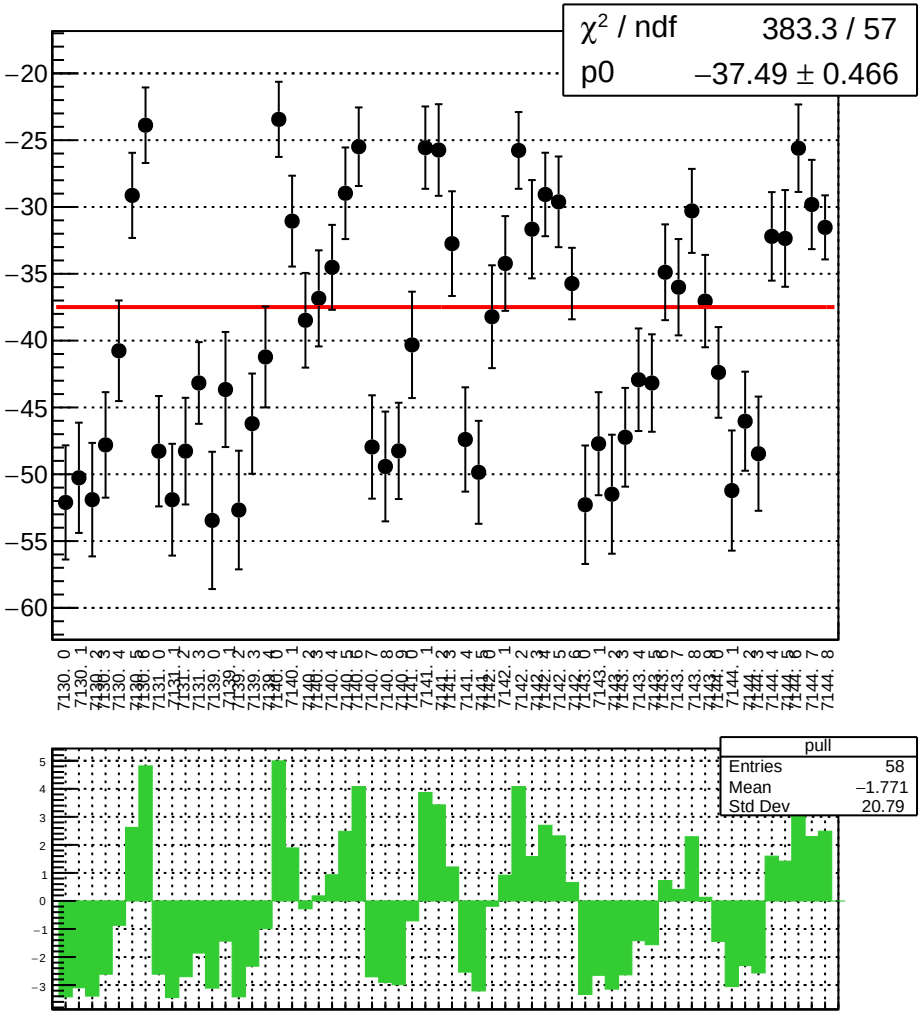

pull1D
Entries 58
Mean −0.01304
Std Dev 0.4772

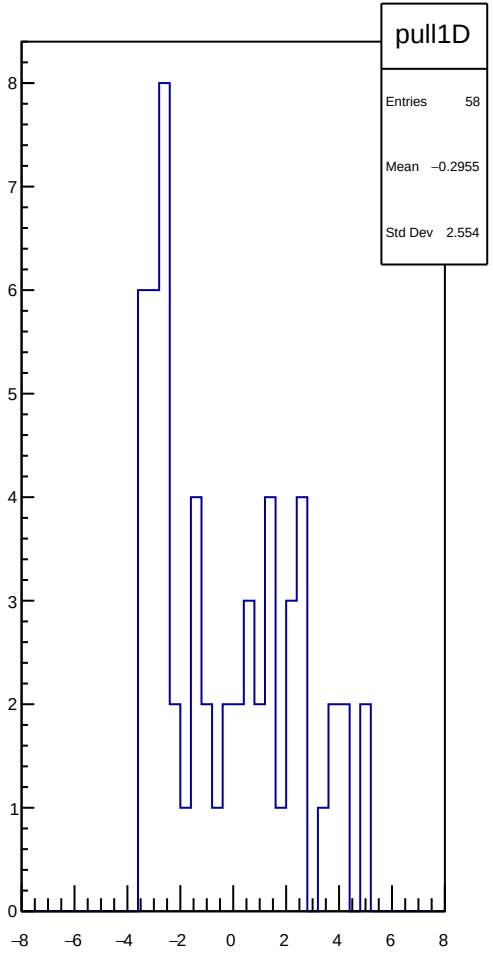

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 510.3 / 57
p0 −16.92 ± 0.4578
pull
Entries 58
Mean 4.405
Std Dev 7.523
pull1D
Entries 58
Mean 0.2946
Std Dev 2.952

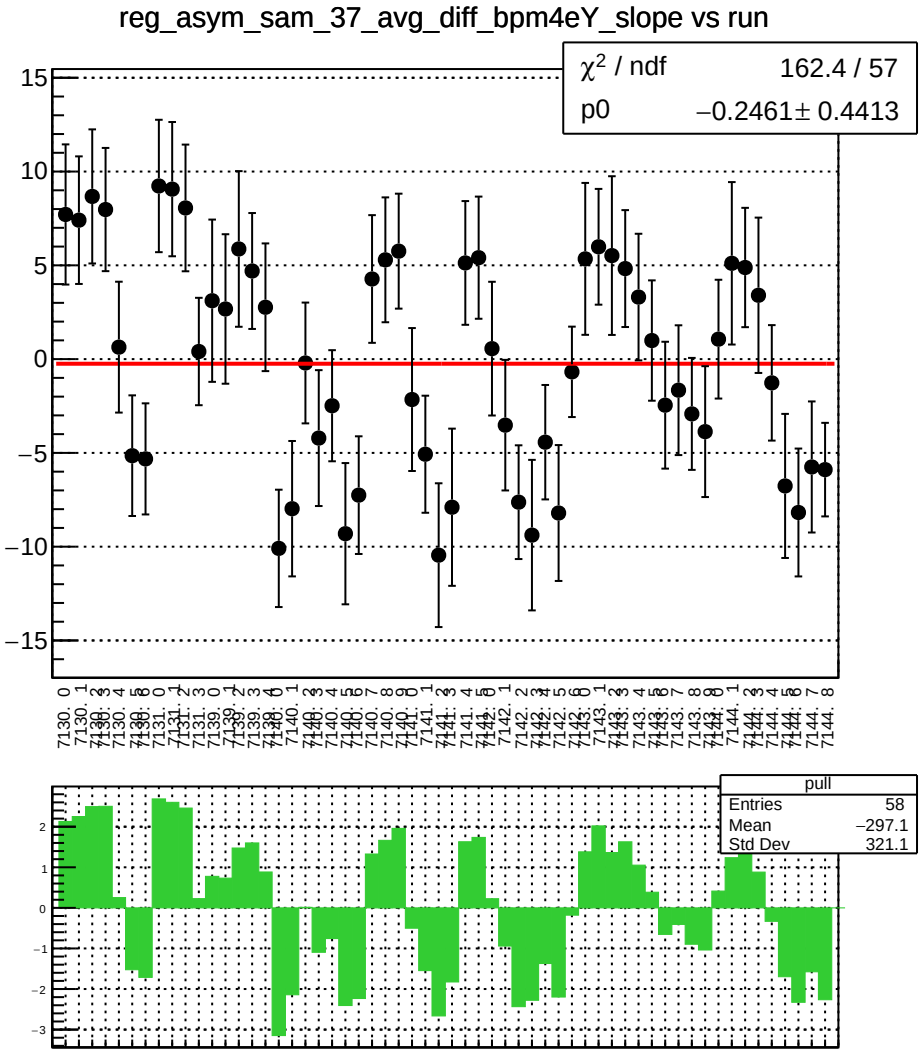

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ2 / ndf 161.8 / 57
p0 7.352 ± 0.412
pull
Entries 58
Mean −668.4
Std Dev 693.2

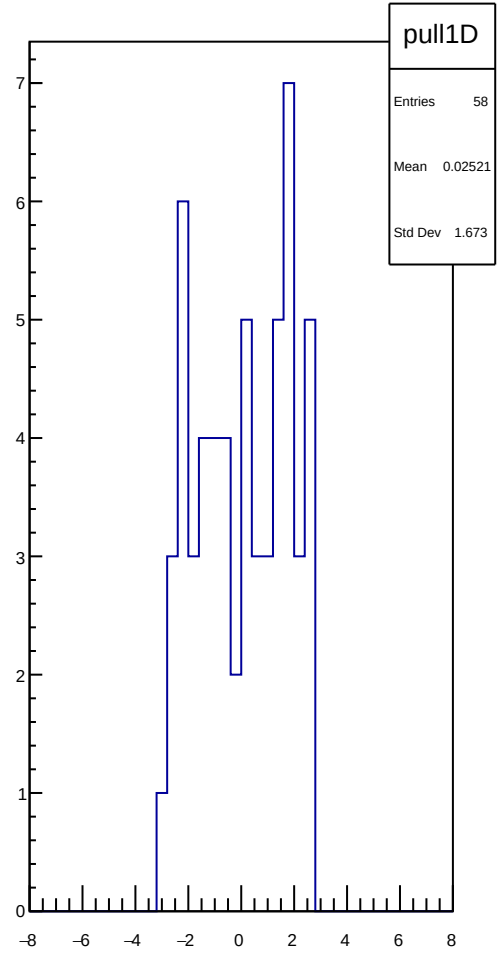

pull1D
Entries 58
Mean −0.009623
Std Dev 1.67

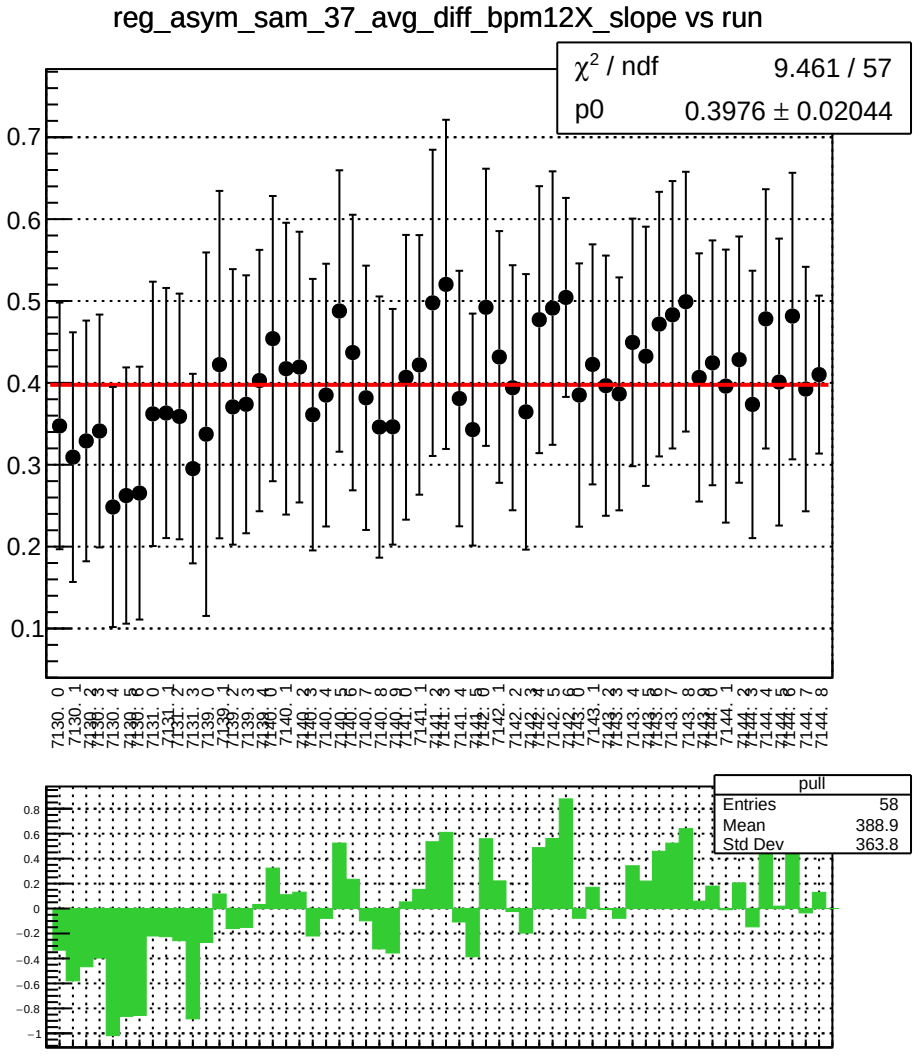
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run

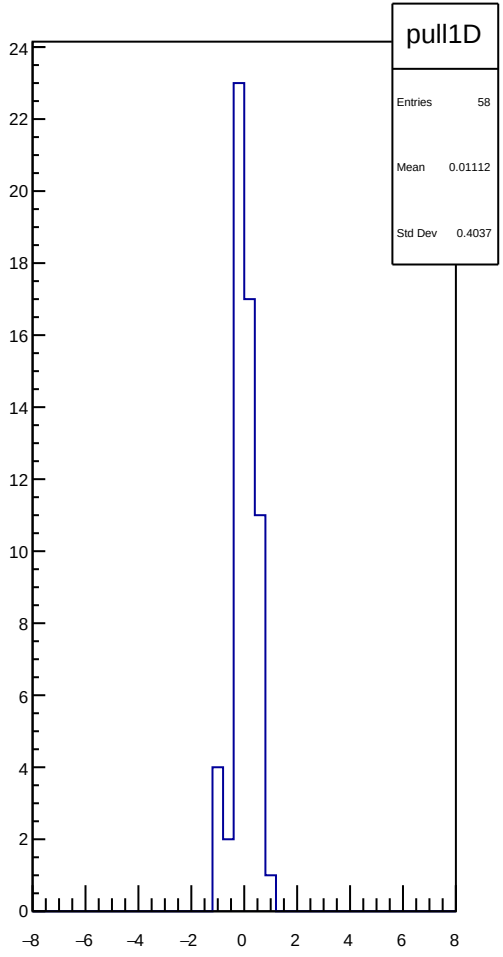


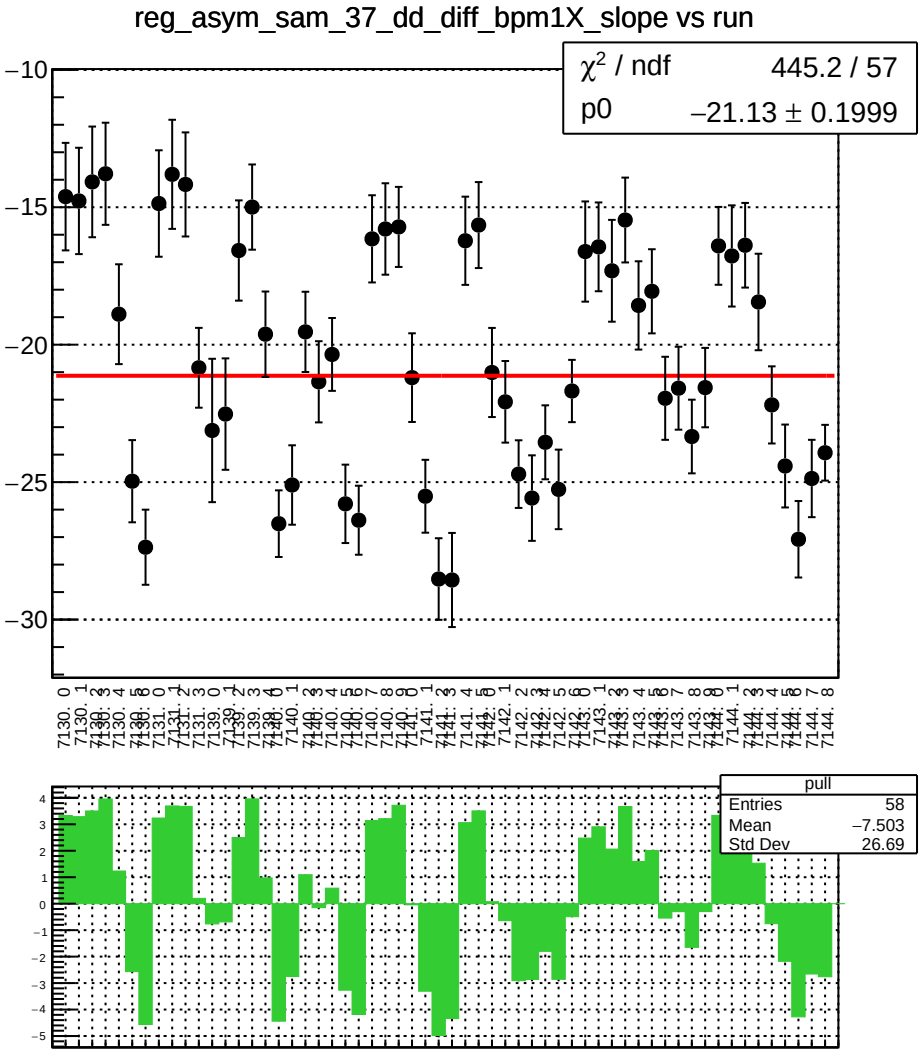


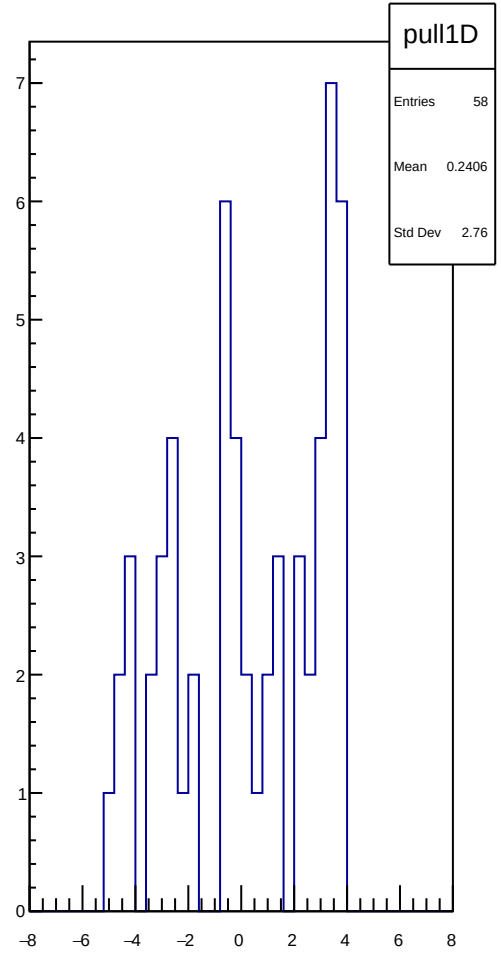

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 162.4 / 57
p0 −0.2461± 0.4413
pull
Entries 58
Mean −297.1
Std Dev 321.1

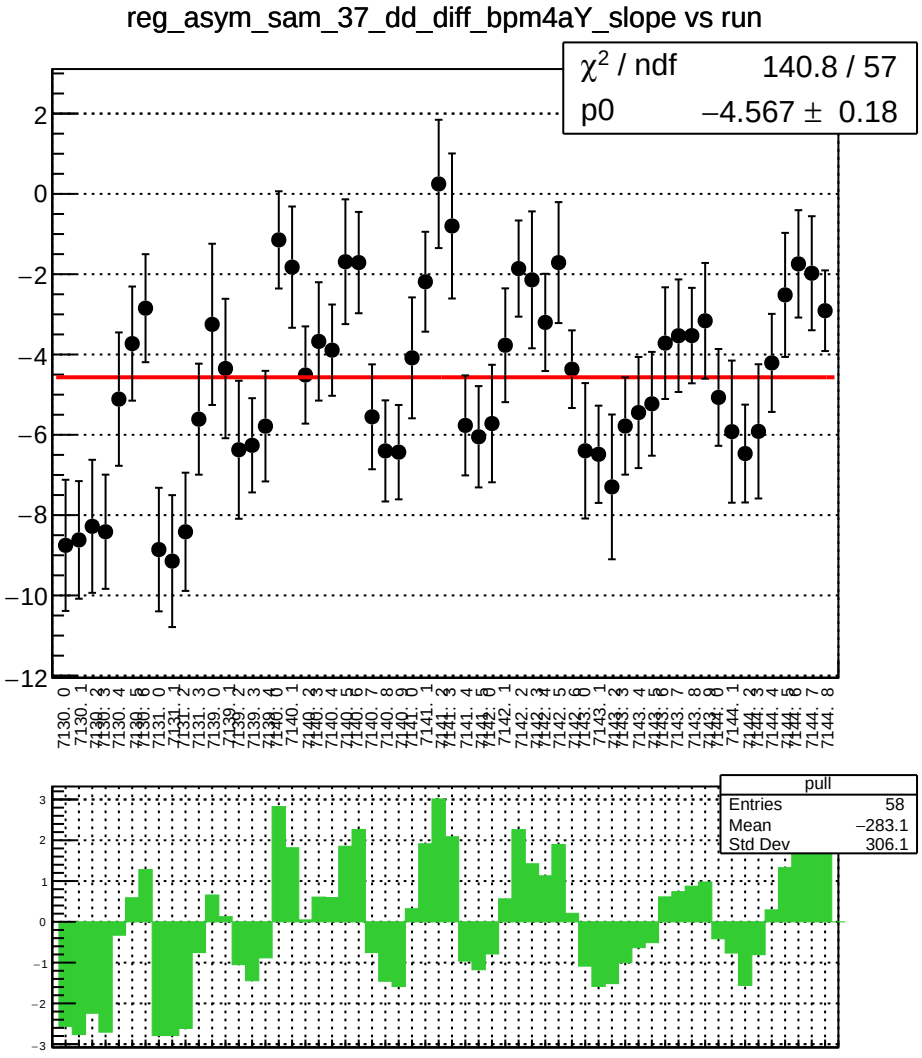

pull1D
Entries 58
Mean 0.02521
Std Dev 1.673

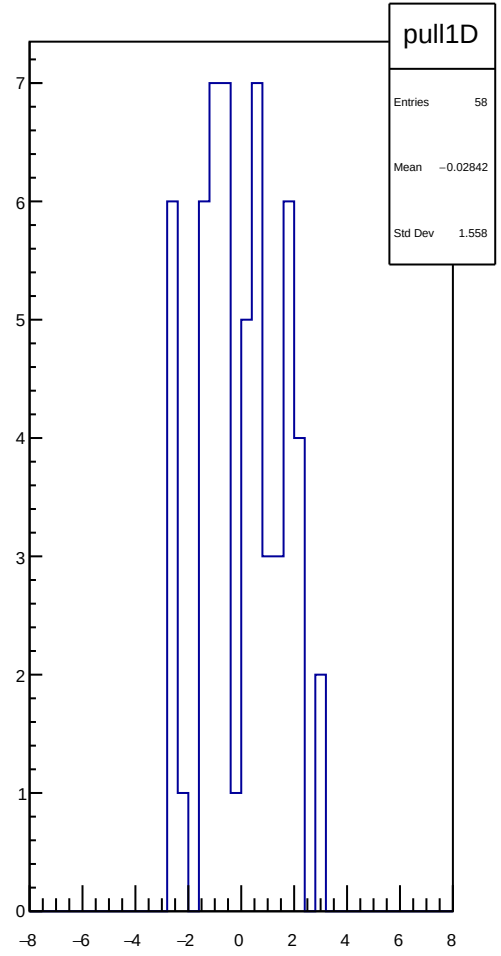

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.461 / 57
p0 0.3976 ± 0.02044
pull
Entries 58
Mean 388.9
Std Dev 363.8

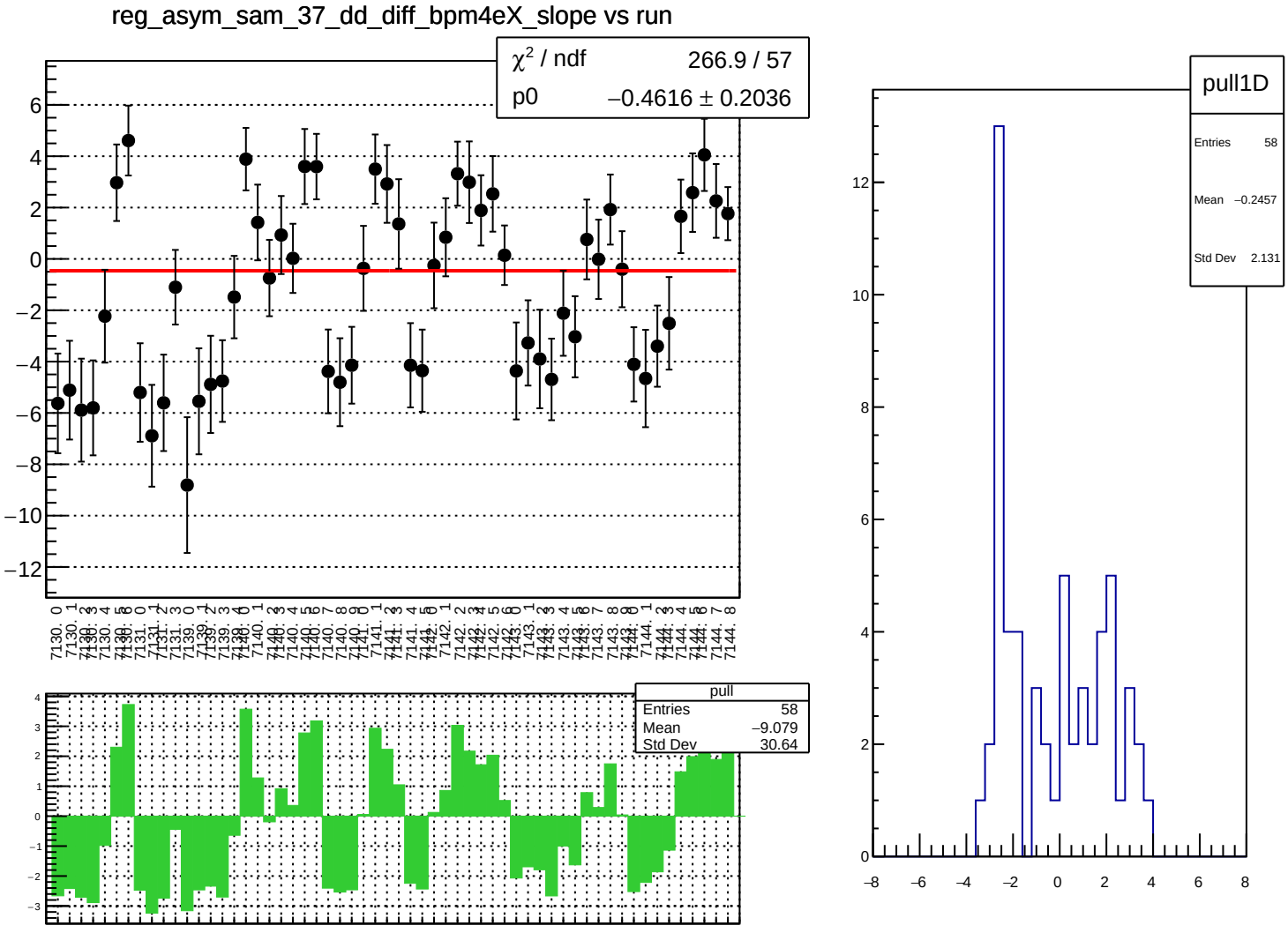

pull1D
Entries 58
Mean 0.01112
Std Dev 0.4037

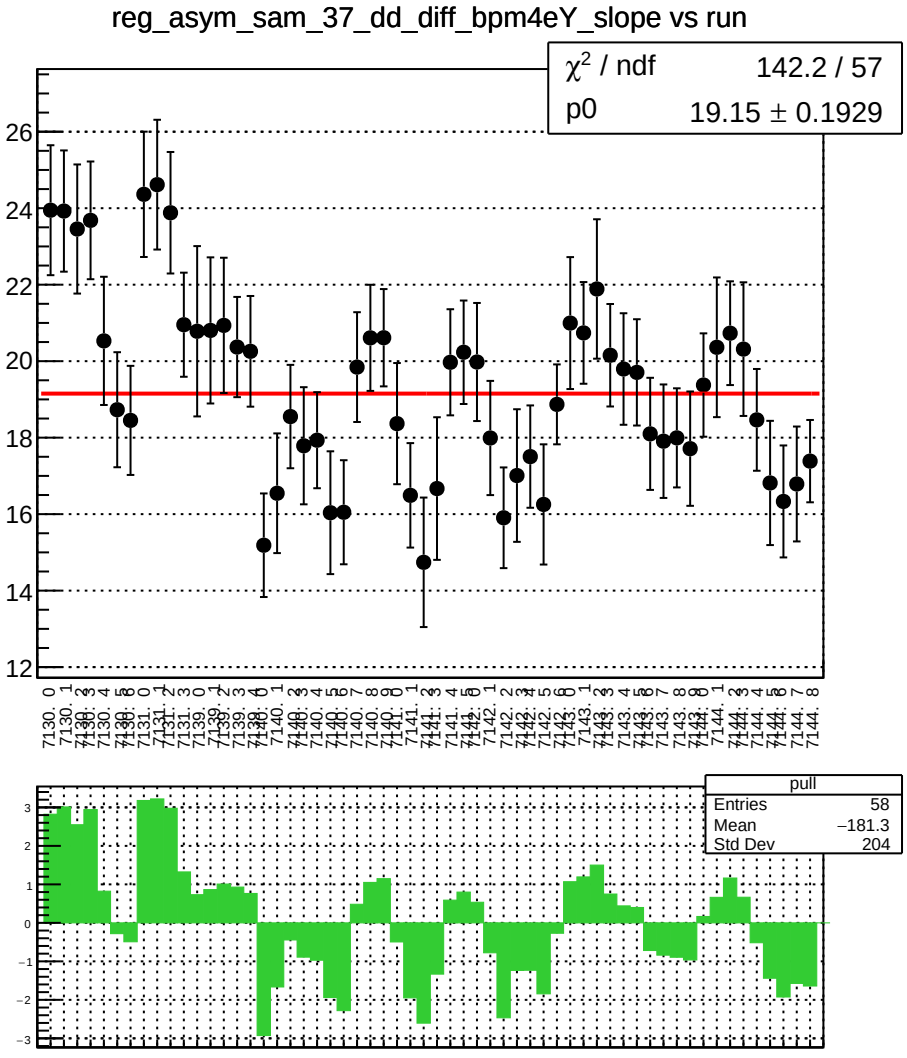

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 445.2 / 57
p0 −21.13 ± 0.1999
pull
Entries 58
Mean −7.503
Std Dev 26.69

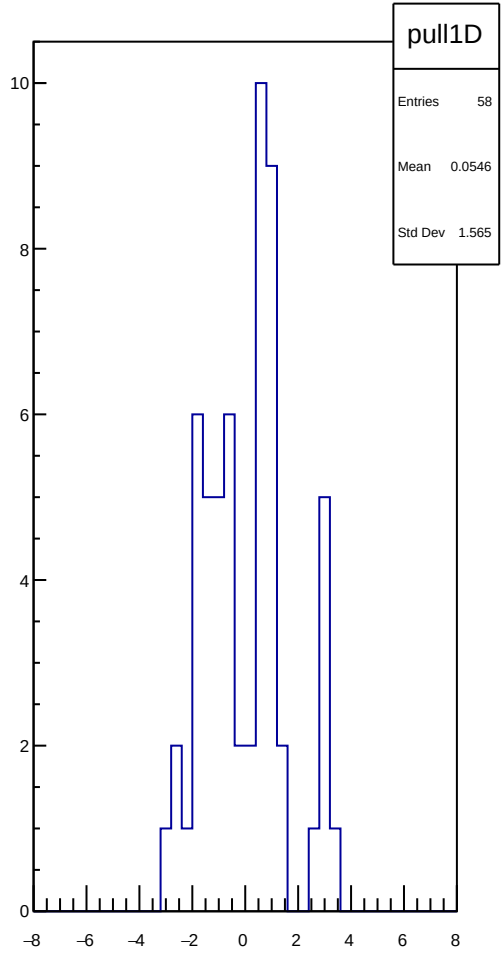

pull1D
Entries 58
Mean 0.2406
Std Dev 2.76

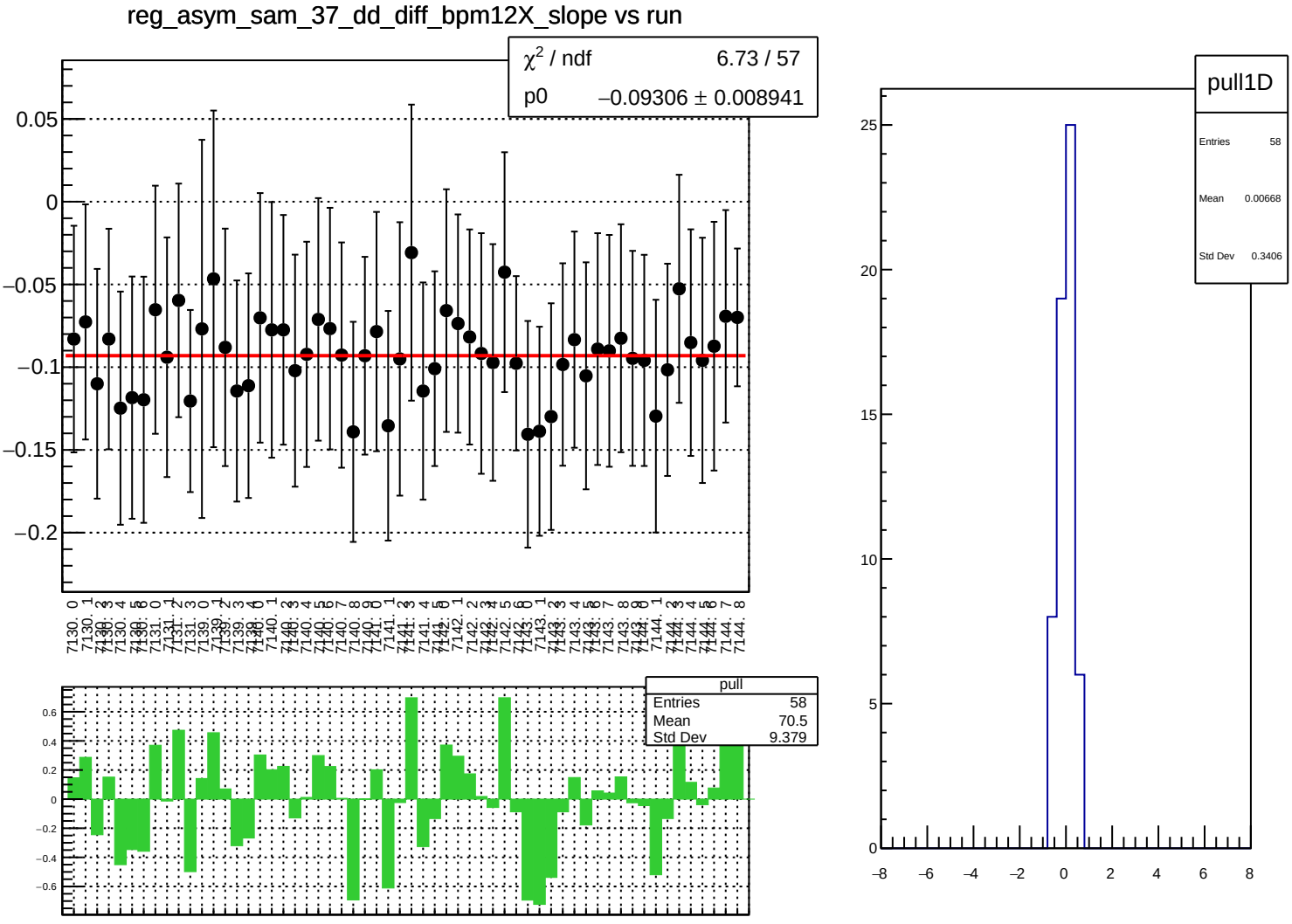

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 140.8 / 57
p0 −4.567 ± 0.18
pull
Entries 58
Mean −283.1
Std Dev 306.1

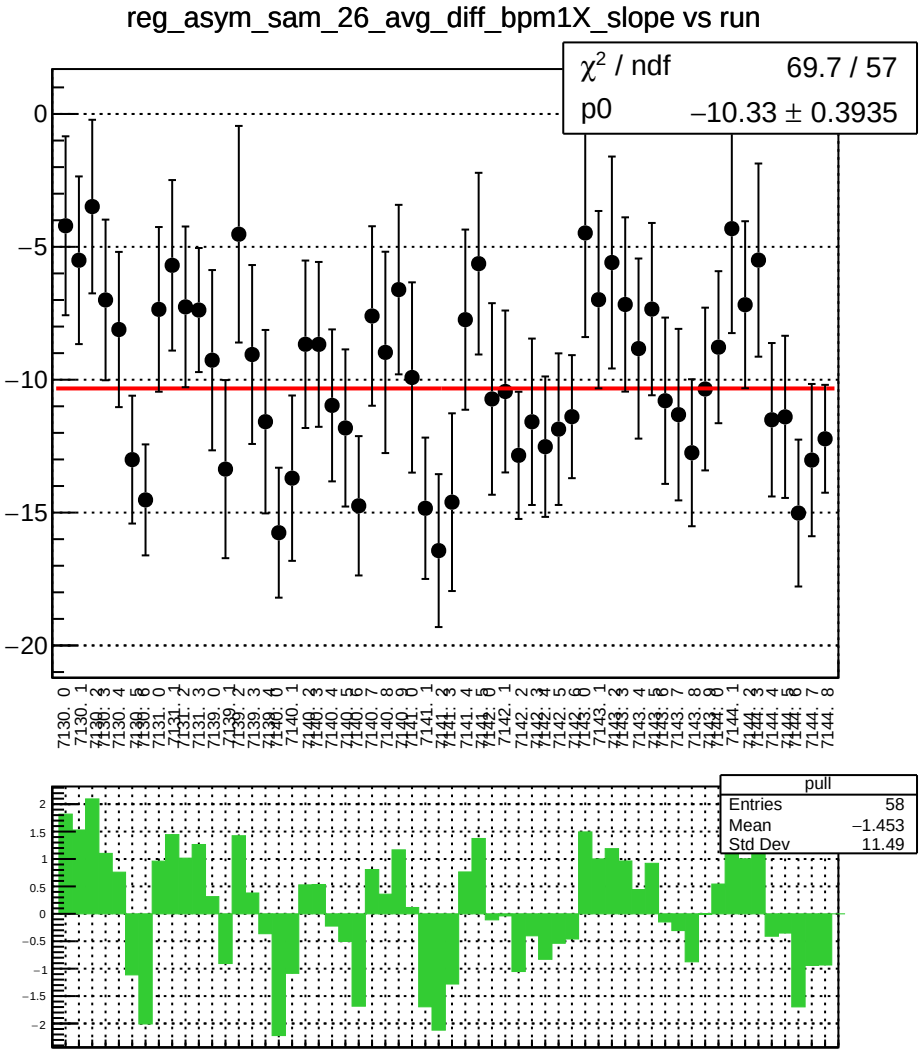

pull1D
Entries 58
Mean −0.02842
Std Dev 1.558

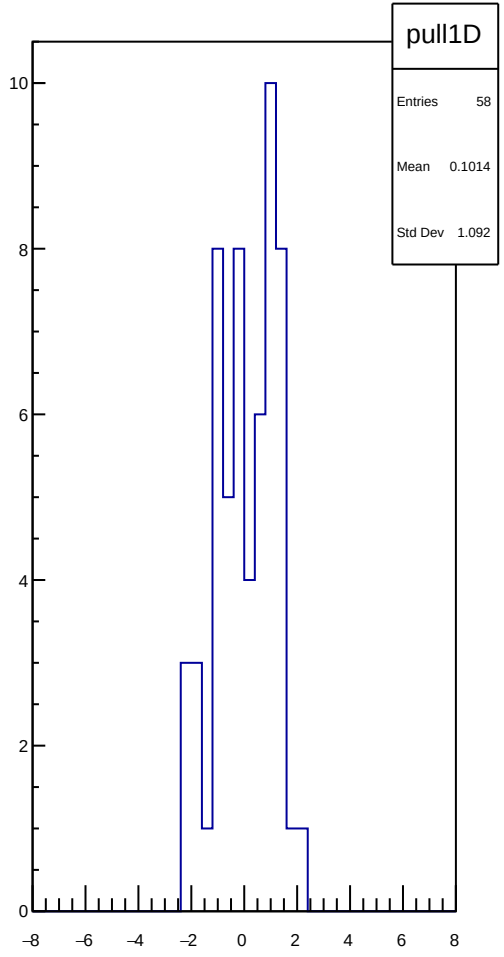

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 266.9 / 57
p0 −0.4616 ± 0.2036
pull
Entries 58
Mean −9.079
Std Dev 30.64
pull1D
Entries 58
Mean −0.2457
Std Dev 2.131

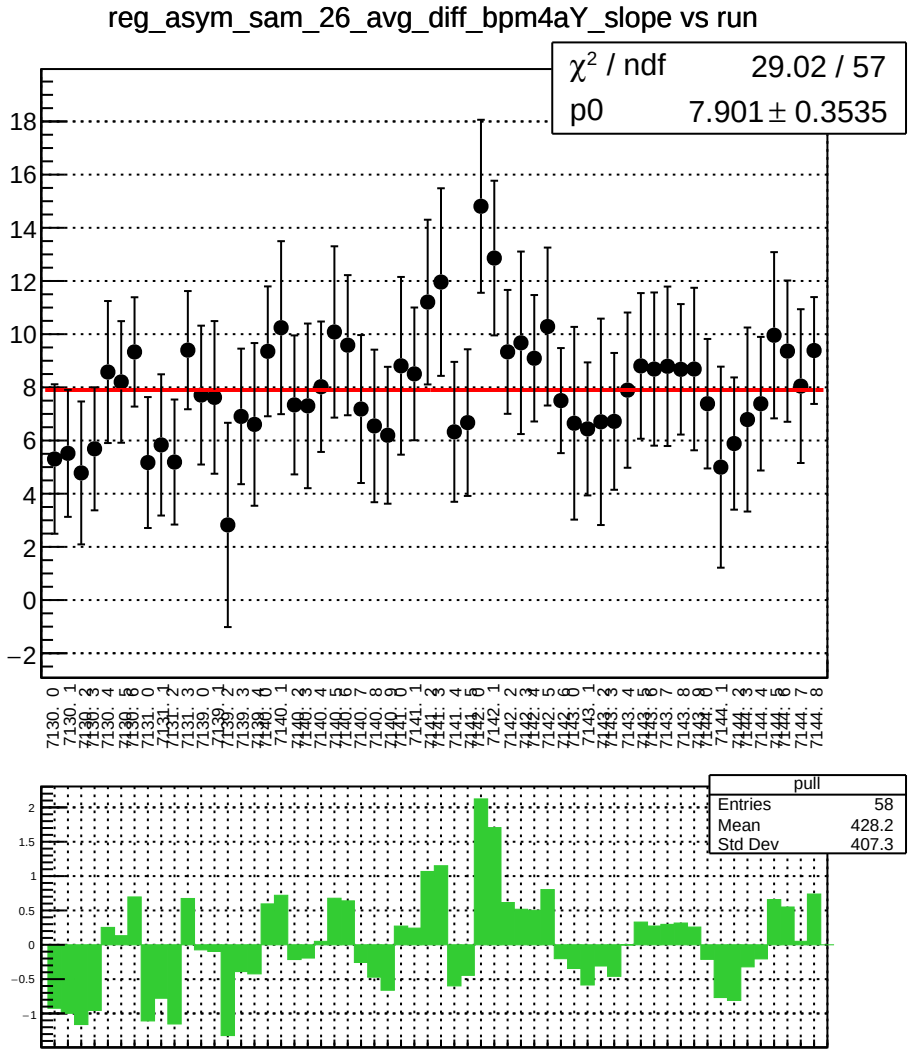

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 142.2 / 57
p0 19.15 ± 0.1929
pull
Entries 58
Mean −181.3
Std Dev 204

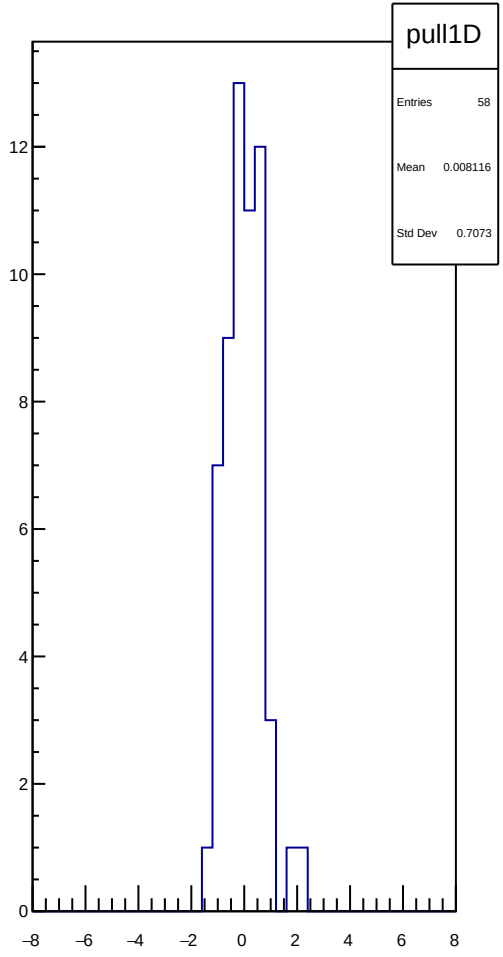

pull1D
Entries 58
Mean 0.0546
Std Dev 1.565

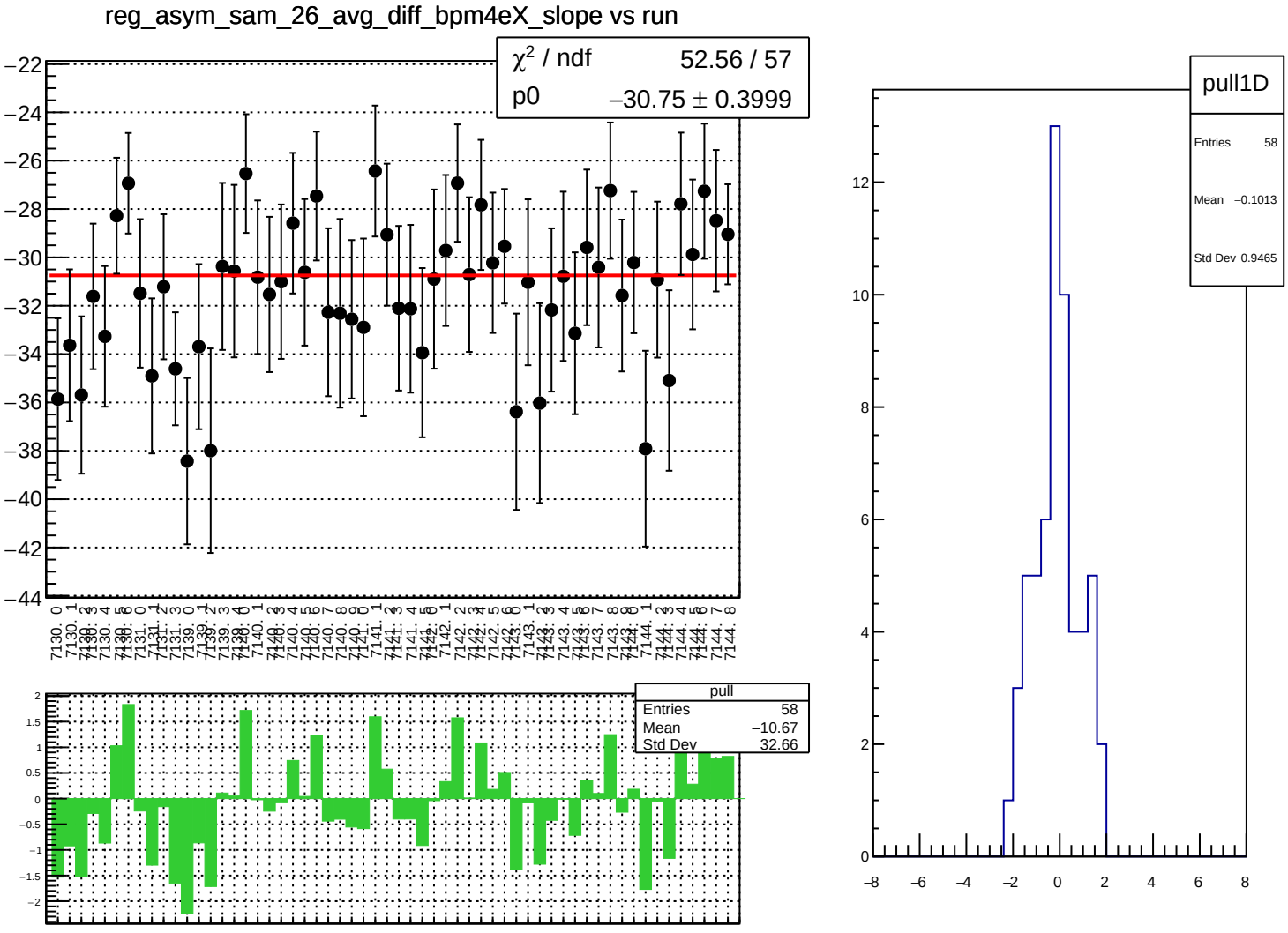

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ2 / ndf 6.73 / 57
p0 −0.09306 ± 0.008941
pull
Entries 58
Mean 70.5
Std Dev 9.379
pull1D
Entries 58
Mean 0.00668
Std Dev 0.3406

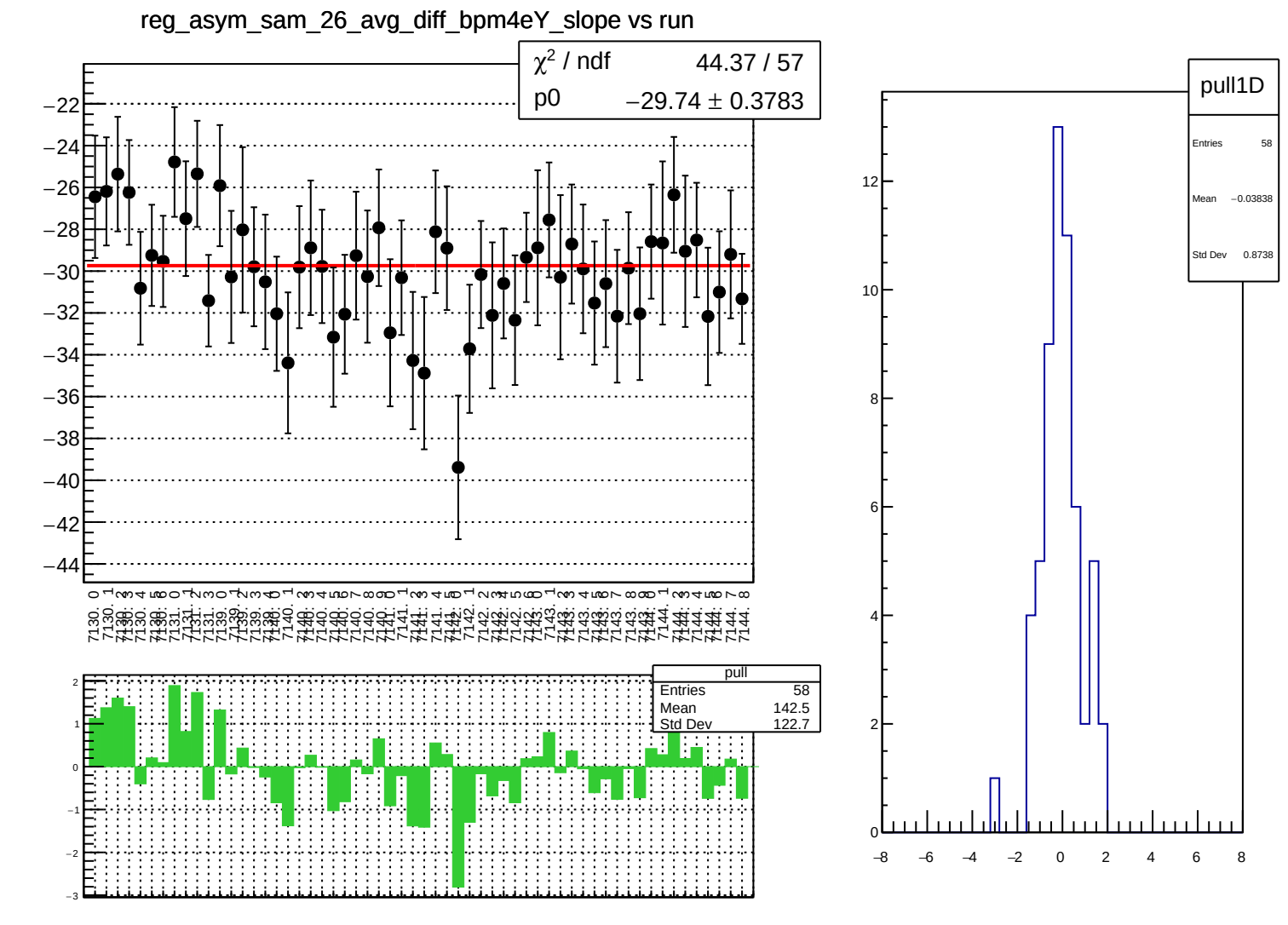

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 69.7 / 57
p0 −10.33 ± 0.3935
pull
Entries 58
Mean −1.453
Std Dev 11.49


pull1D
Entries 58
Mean 0.1014
Std Dev 1.092

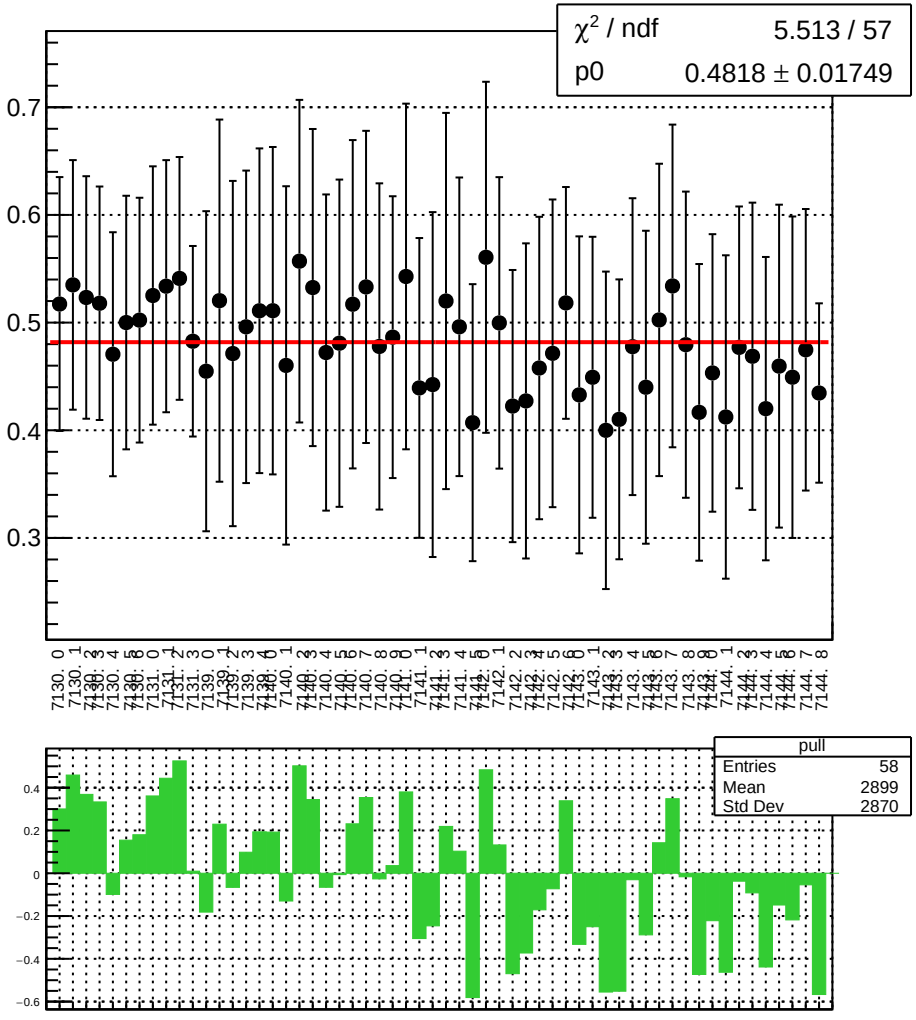

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.02 / 57
p0 7.901 ± 0.3535
pull
Entries 58
Mean 428.2
Std Dev 407.3

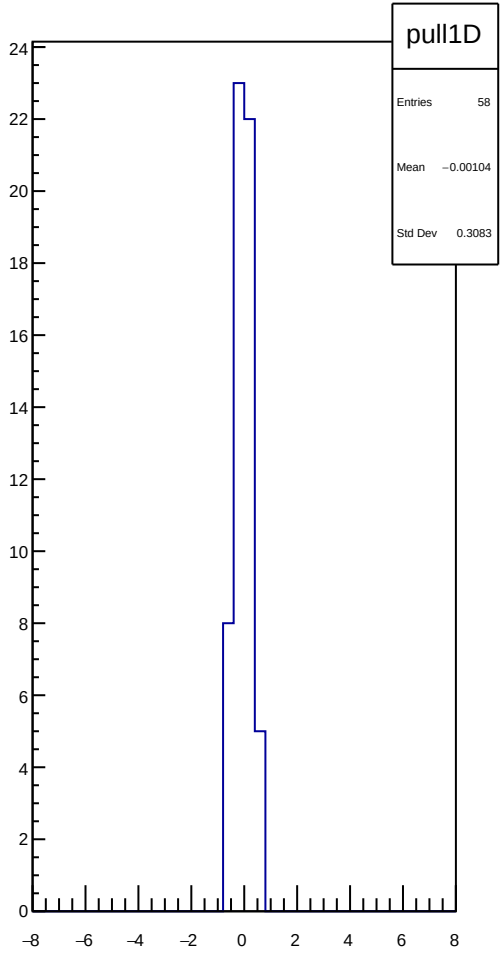

pull1D
Entries 58
Mean 0.008116
Std Dev 0.7073

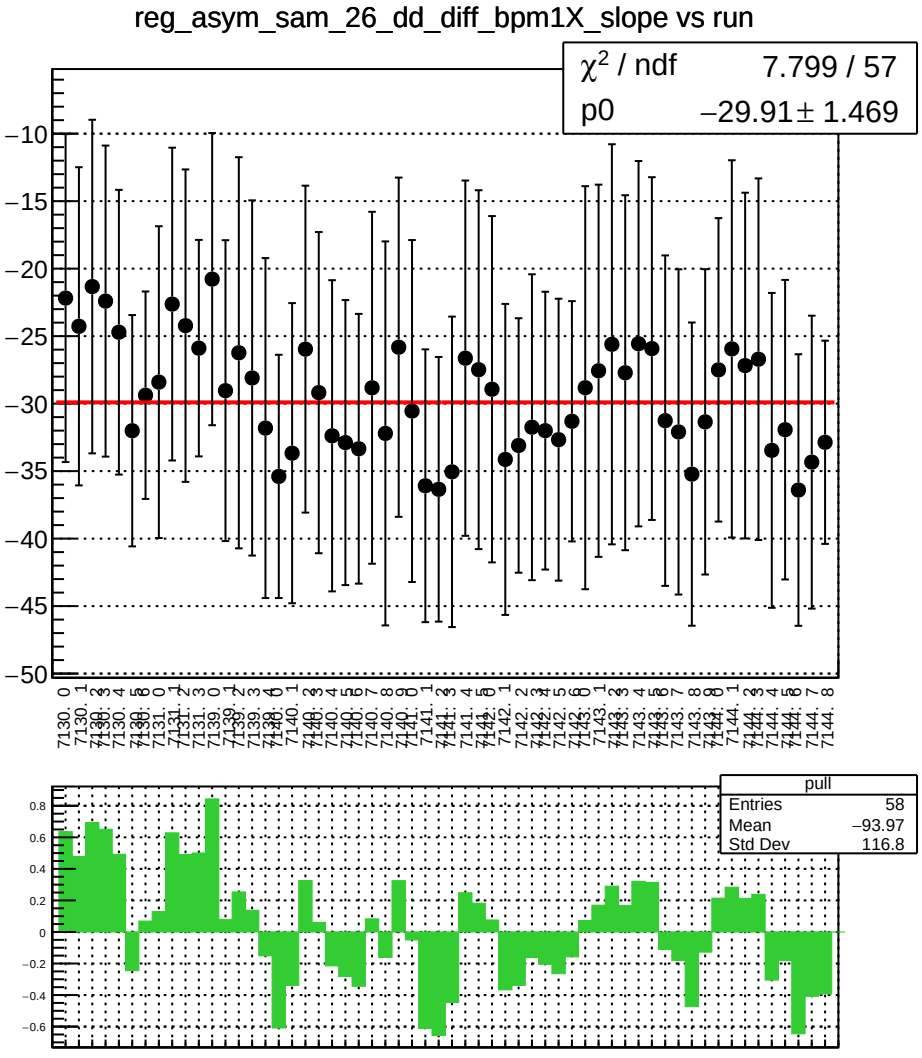

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.56 / 57
p0 −30.75 ± 0.3999
pull
Entries 58
Mean −10.67
Std Dev 32.66
pull1D
Entries 58
Mean −0.1013
Std Dev 0.9465

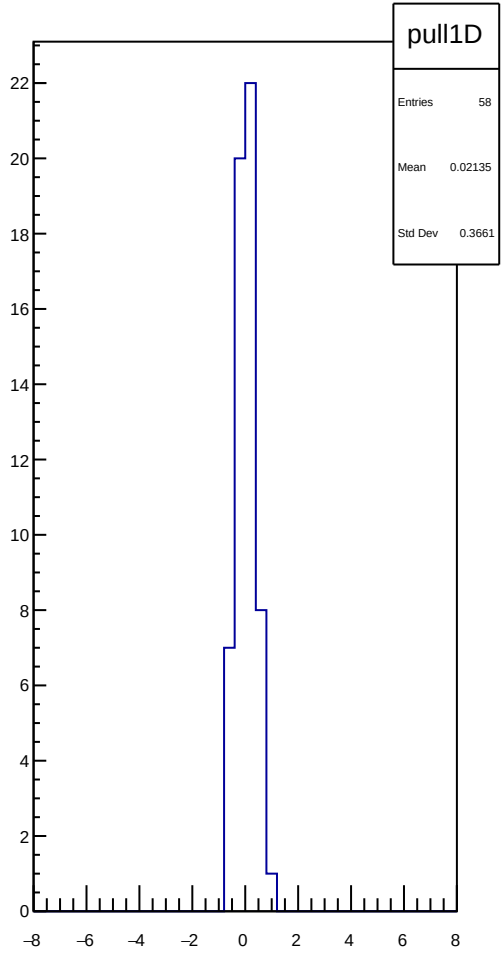

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.37 / 57
p0 −29.74 ± 0.3783
pull
Entries 58
Mean 142.5
Std Dev 122.7
pull1D
Entries 58
Mean −0.03838
Std Dev 0.8738

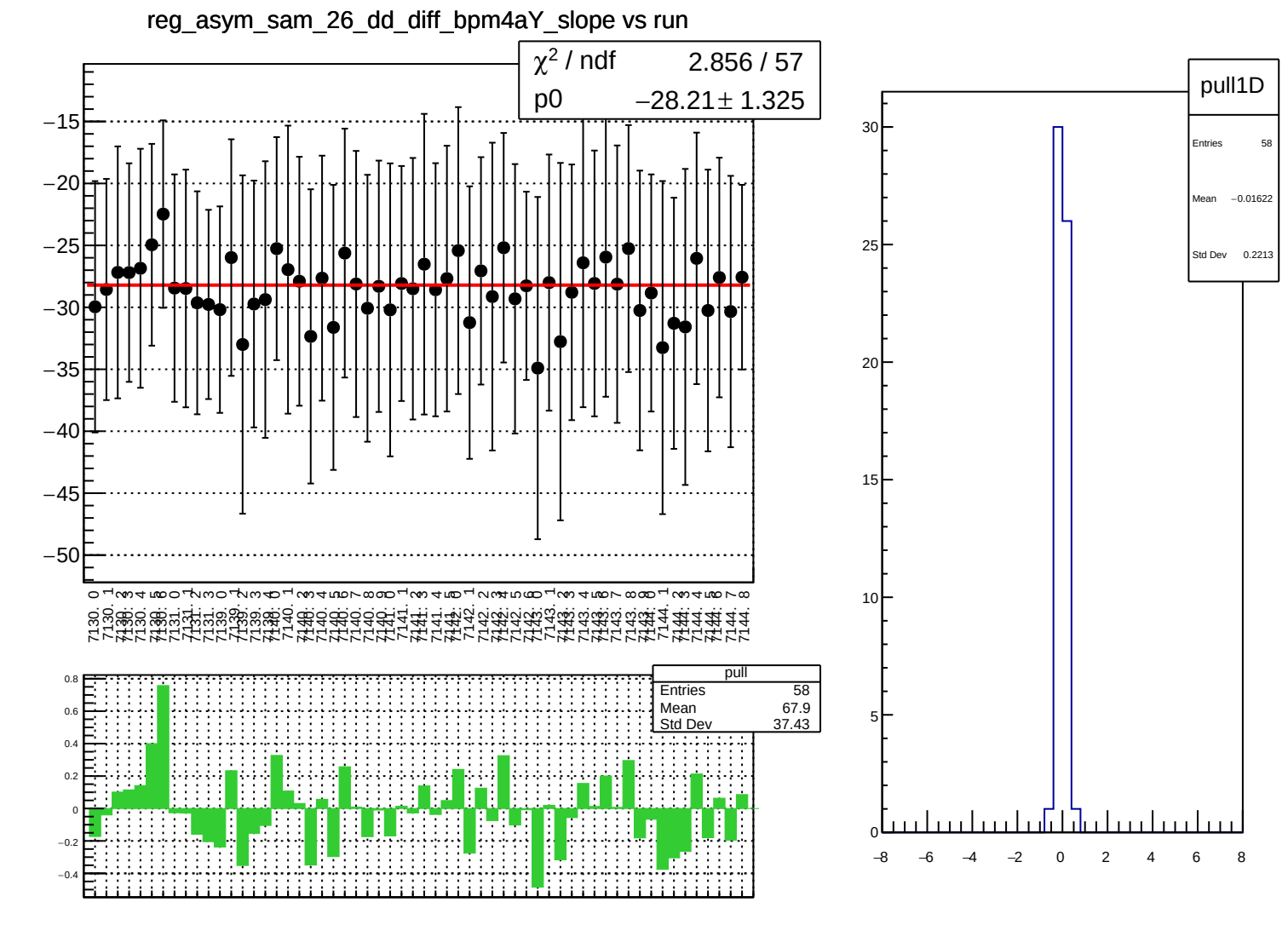
reg_asym_sam_26_avg_diff_bpm12X_slope vs run

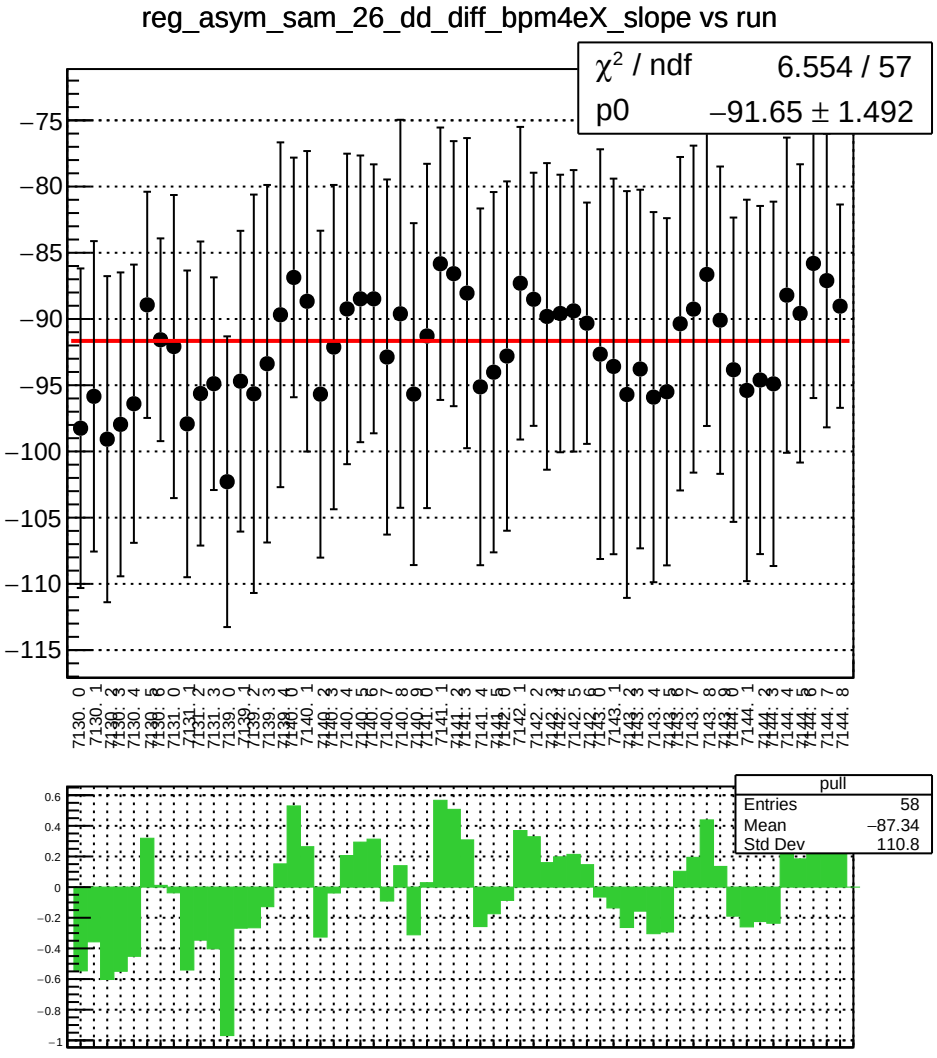


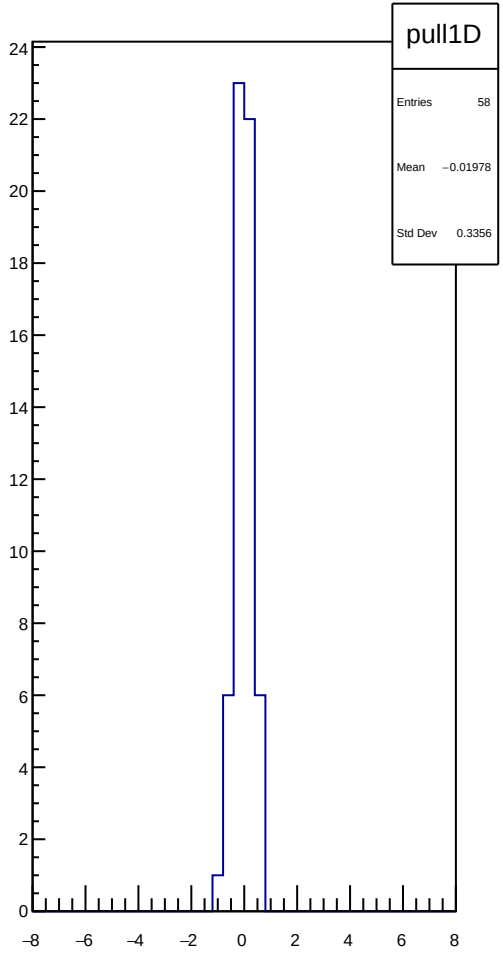


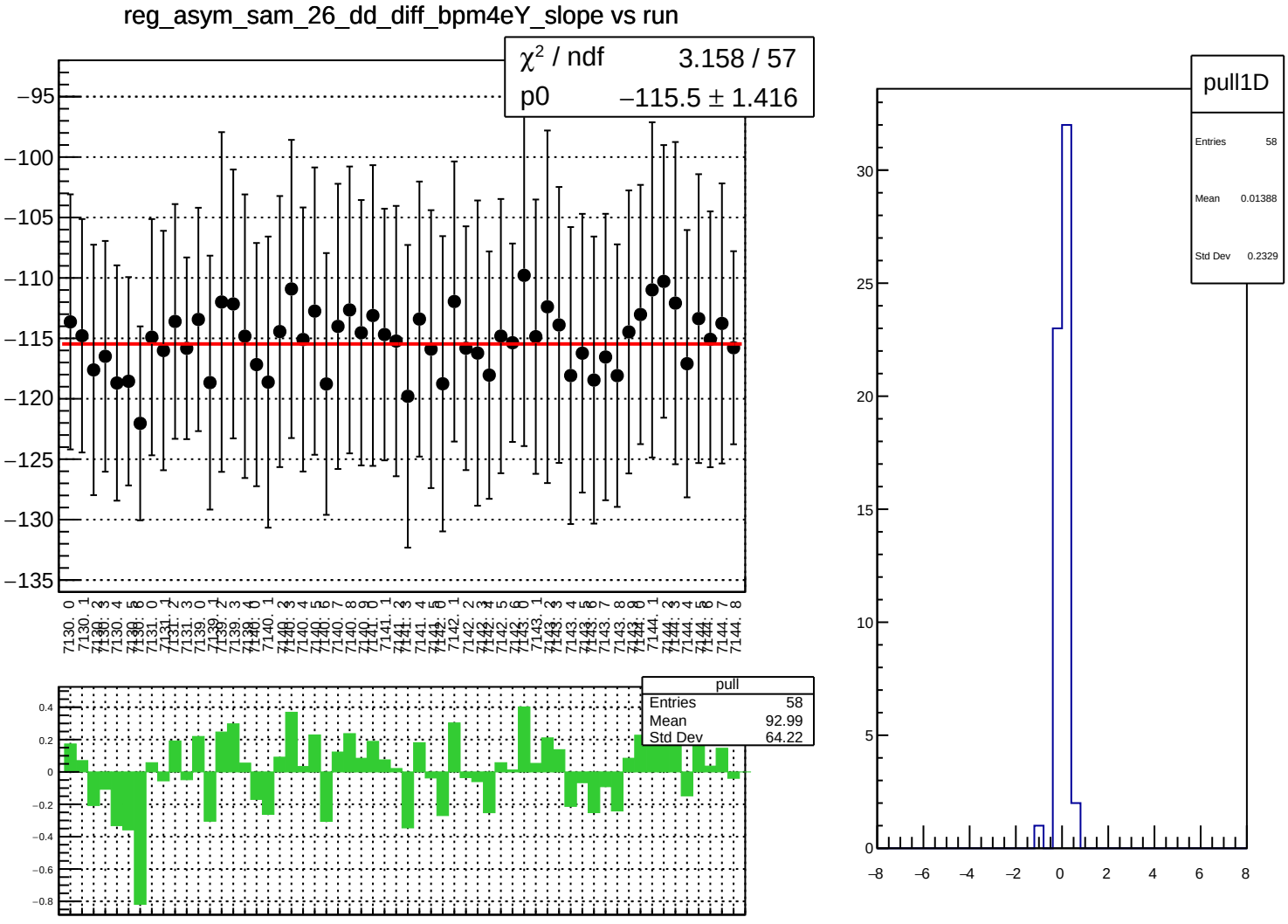

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.799 / 57
p0 −29.91 ± 1.469
pull
Entries 58
Mean −93.97
Std Dev 116.8

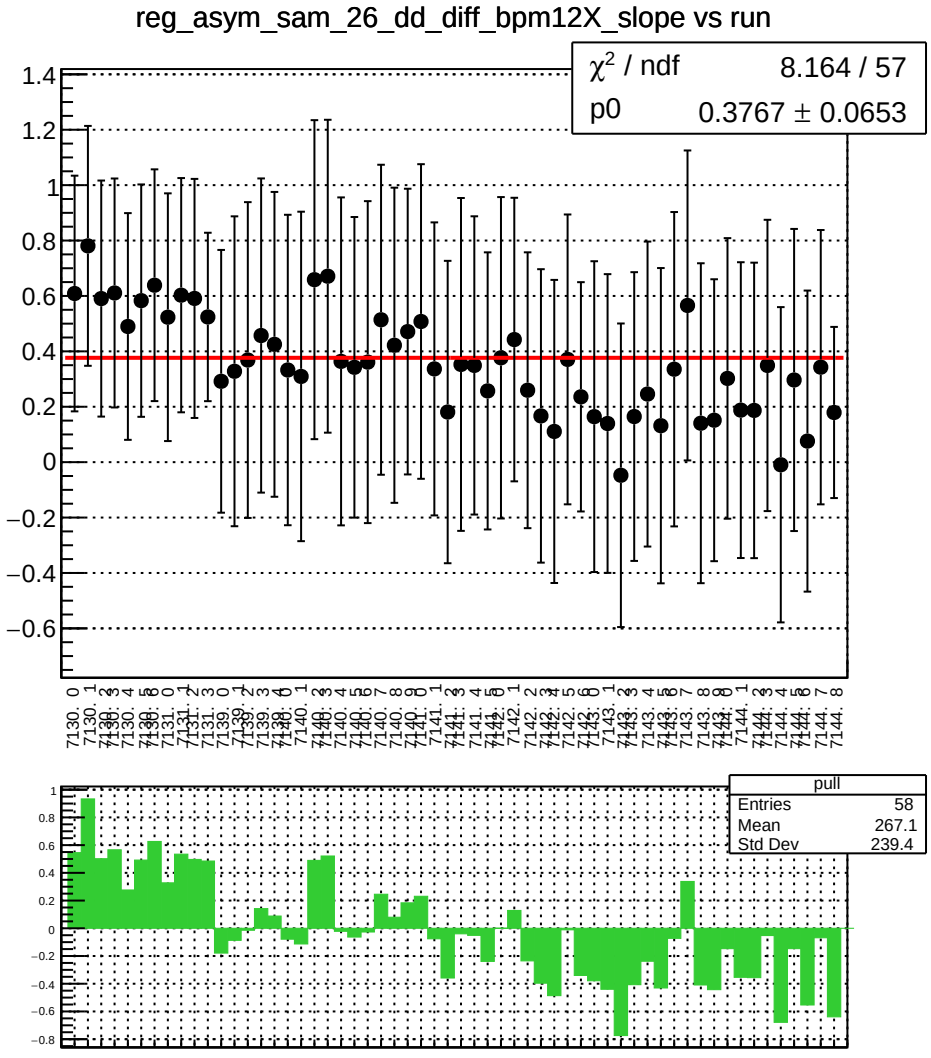

pull1D
Entries 58
Mean 0.02135
Std Dev 0.3661

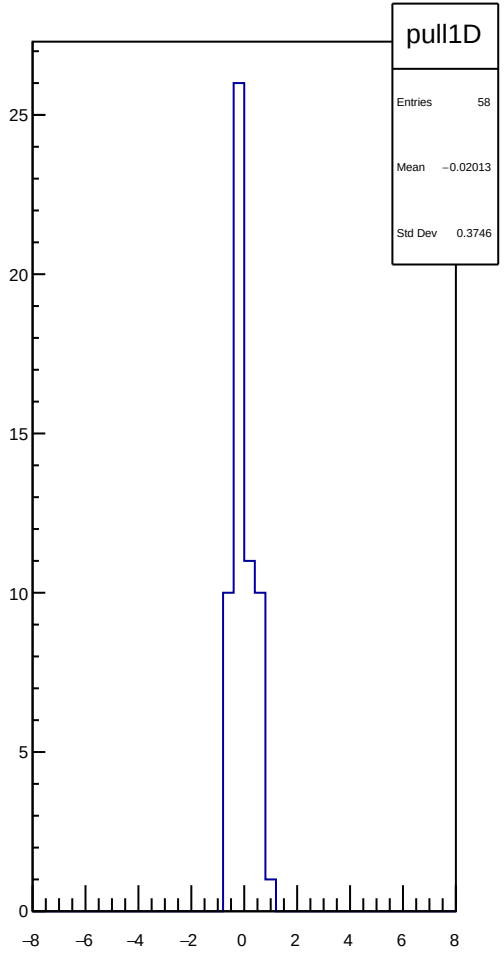

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.856 / 57
p0 −28.21 ± 1.325
pull
Entries 58
Mean 67.9
Std Dev 37.43
pull1D
Entries 58
Mean −0.01622
Std Dev 0.2213

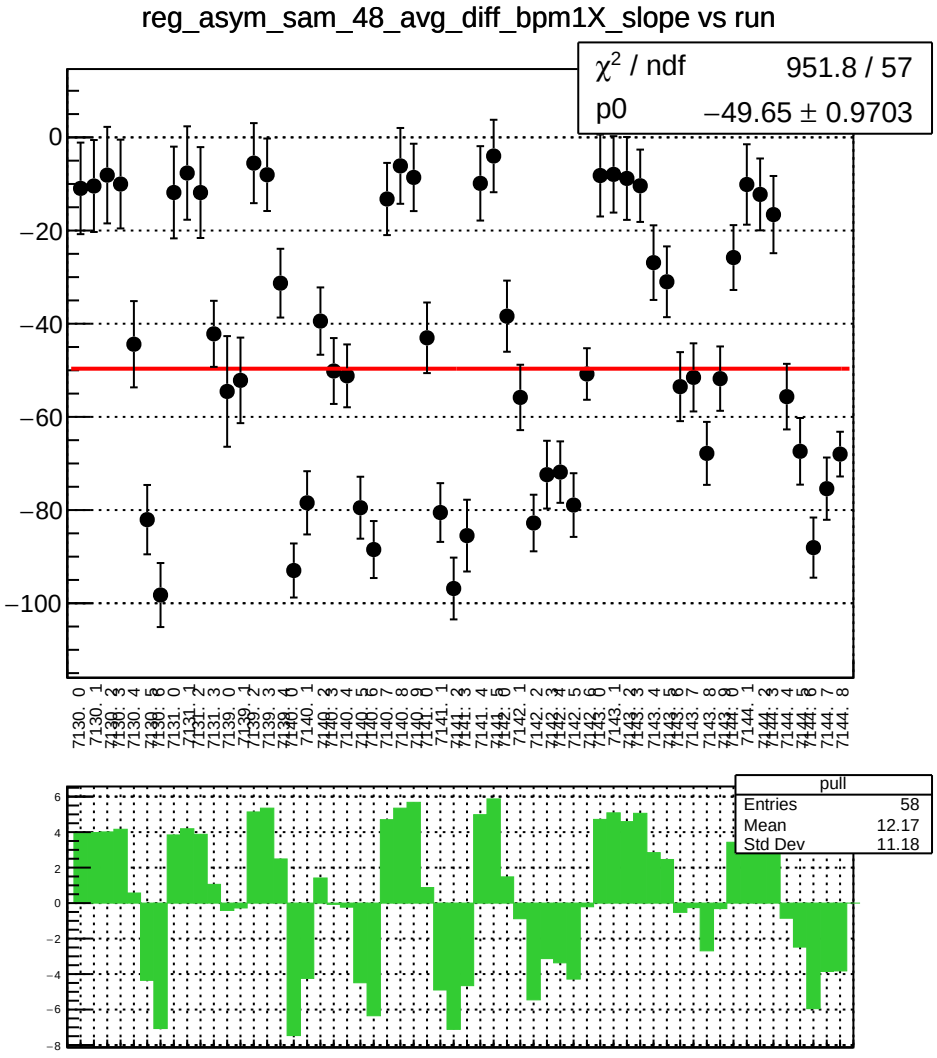

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.554 / 57
p0 −91.65 ± 1.492
pull
Entries 58
Mean −87.34
Std Dev 110.8

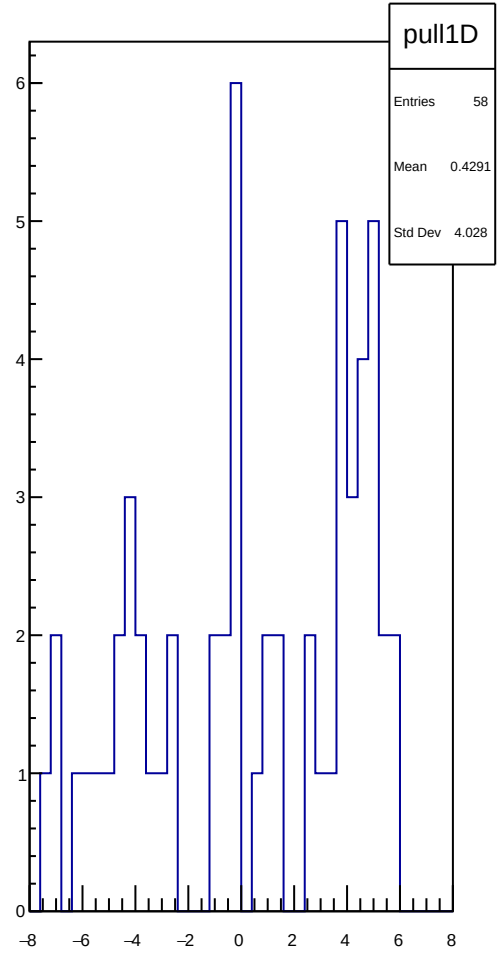

pull1D
Entries 58
Mean −0.01978
Std Dev 0.3356

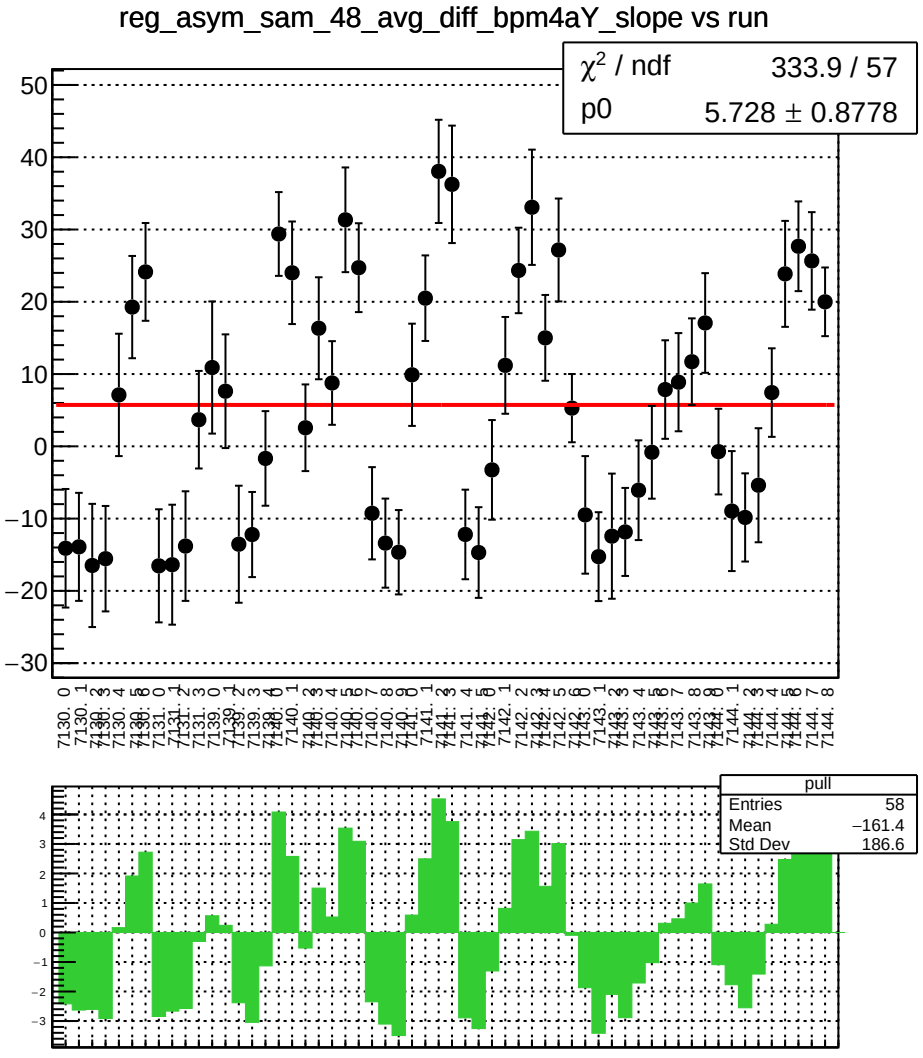

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.158 / 57
p0 −115.5 ± 1.416
pull
Entries 58
Mean 92.99
Std Dev 64.22
pull1D
Entries 58
Mean 0.01388
Std Dev 0.2329

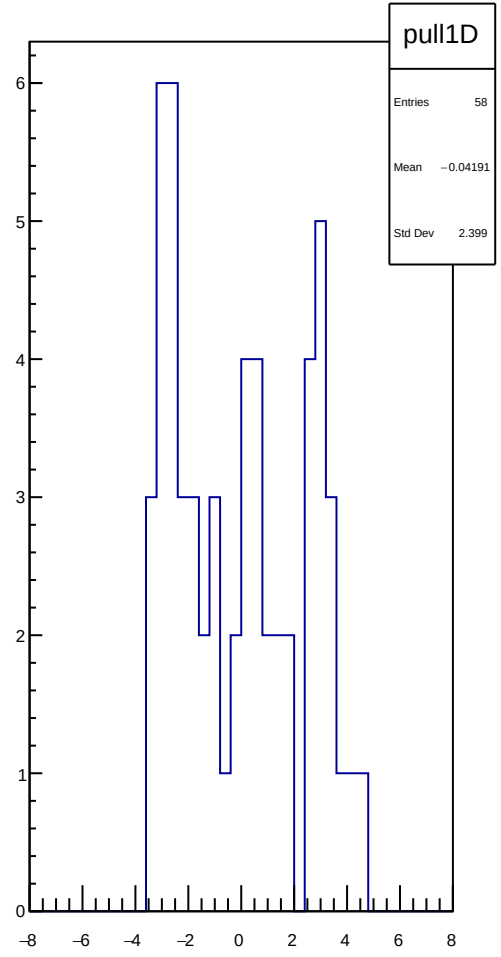

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.164 / 57
p0 0.3767 ± 0.0653
pull
Entries 58
Mean 267.1
Std Dev 239.4

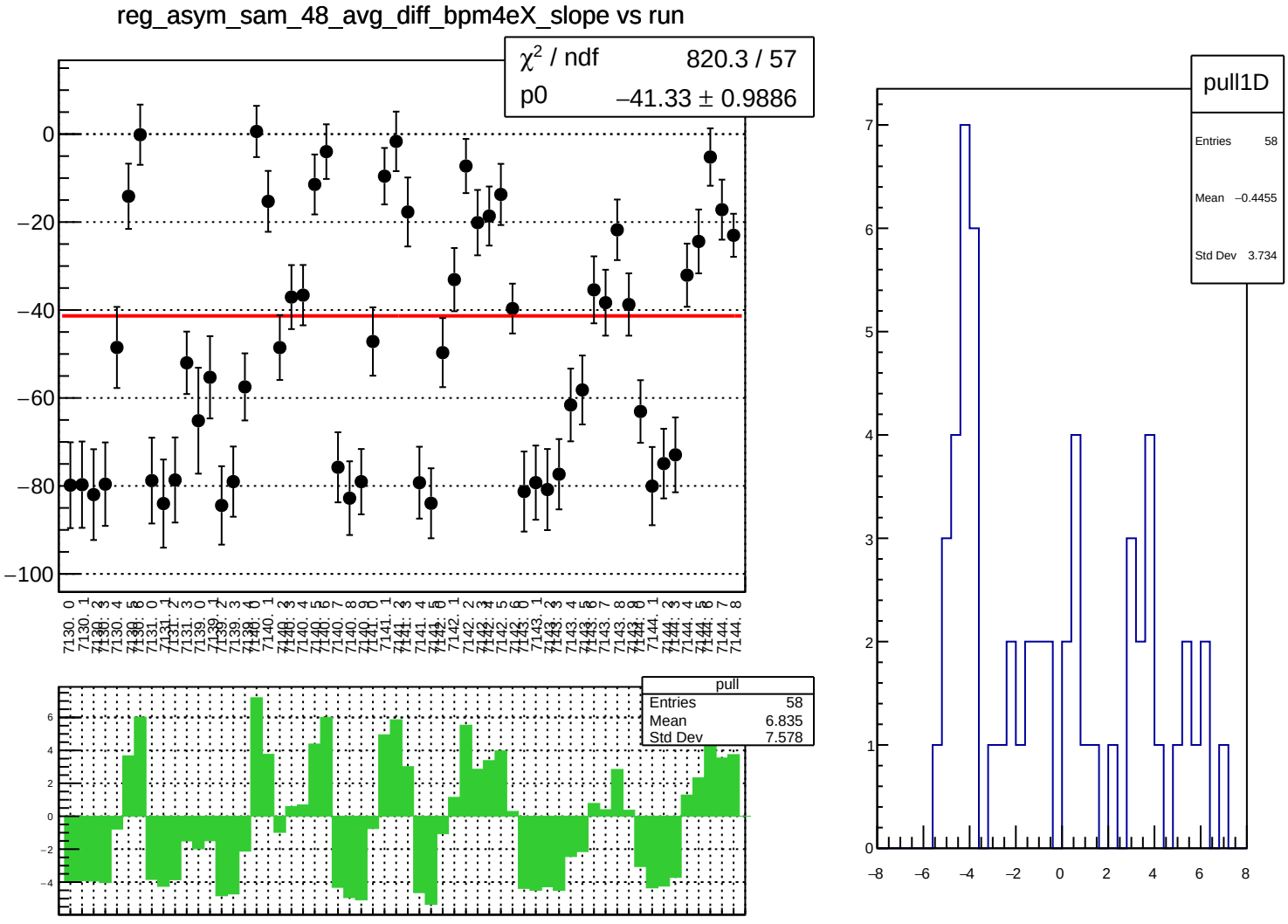

pull1D
Entries 58
Mean −0.02013
Std Dev 0.3746

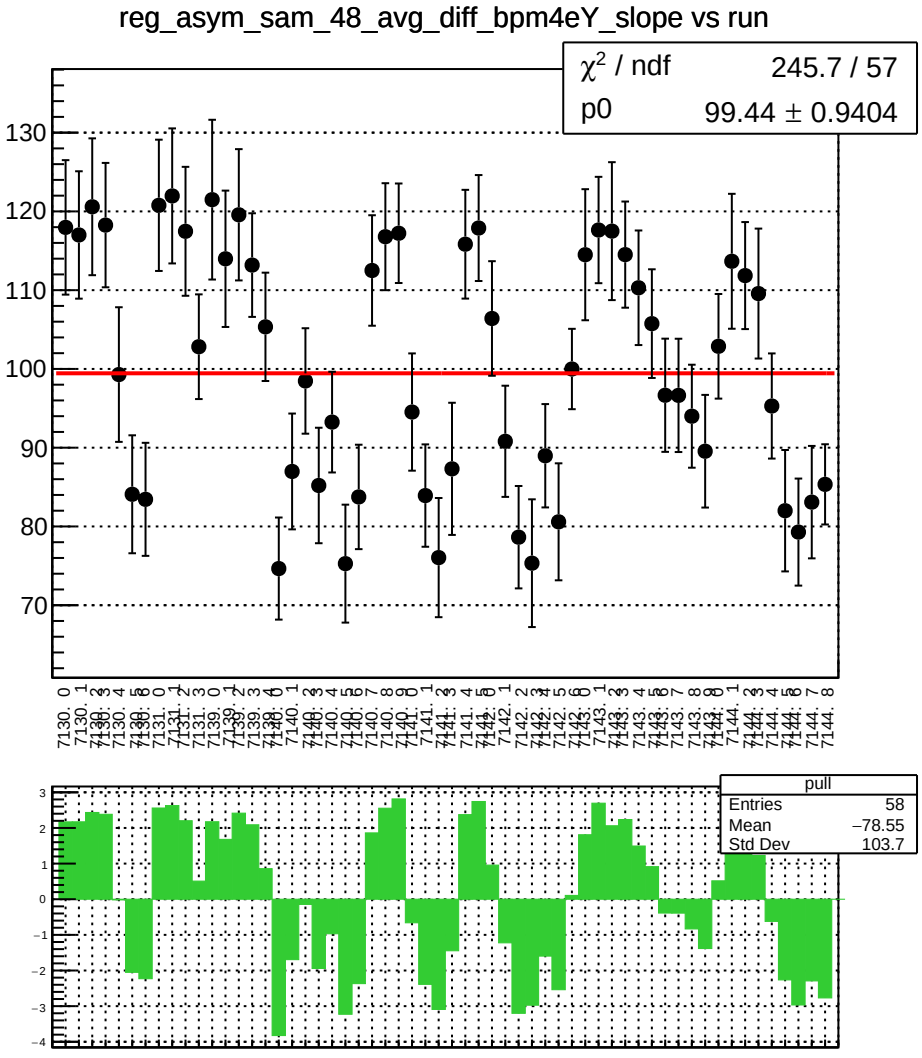

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 951.8 / 57
p0 −49.65 ± 0.9703
pull
Entries 58
Mean 12.17
Std Dev 11.18

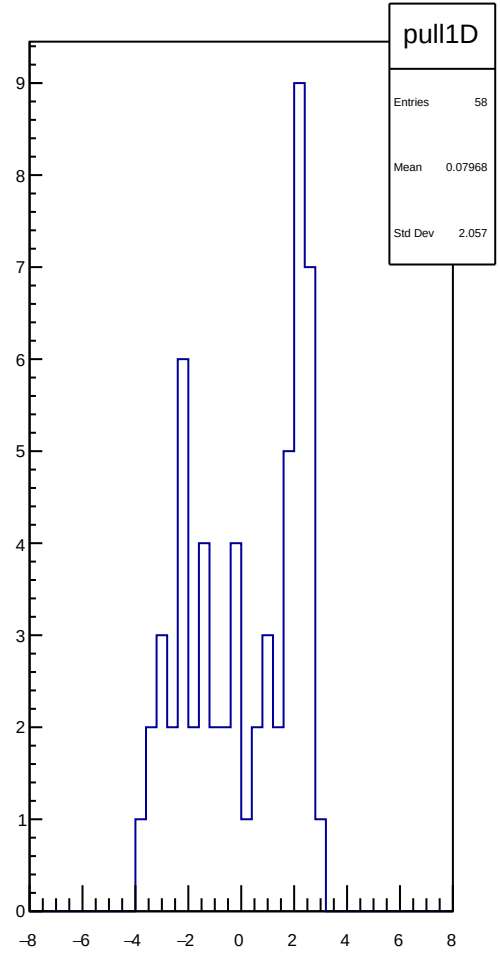

pull1D
Entries 58
Mean 0.4291
Std Dev 4.028

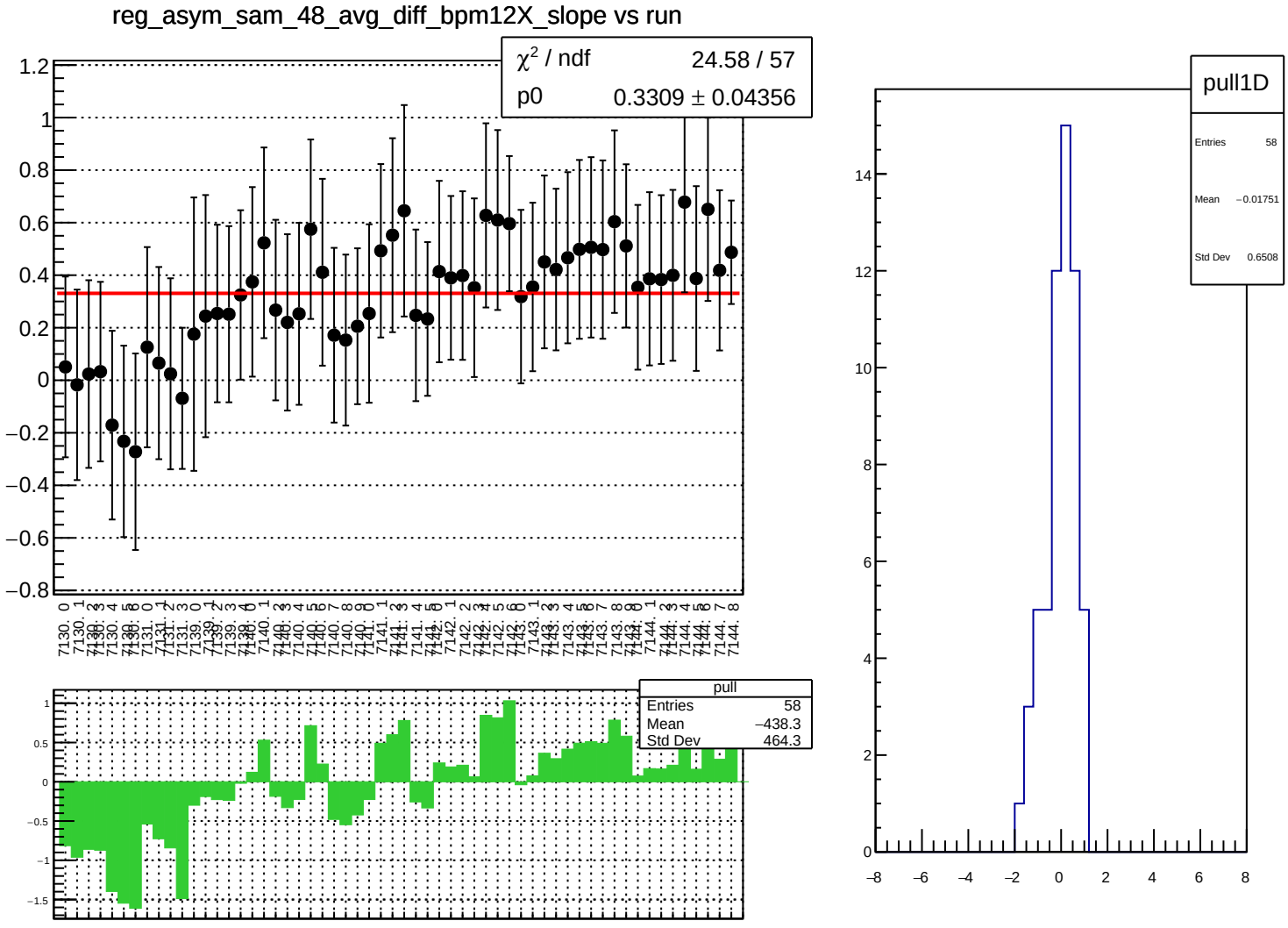

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 333.9 / 57
p0 5.728 ± 0.8778
pull
Entries 58
Mean −161.4
Std Dev 186.6

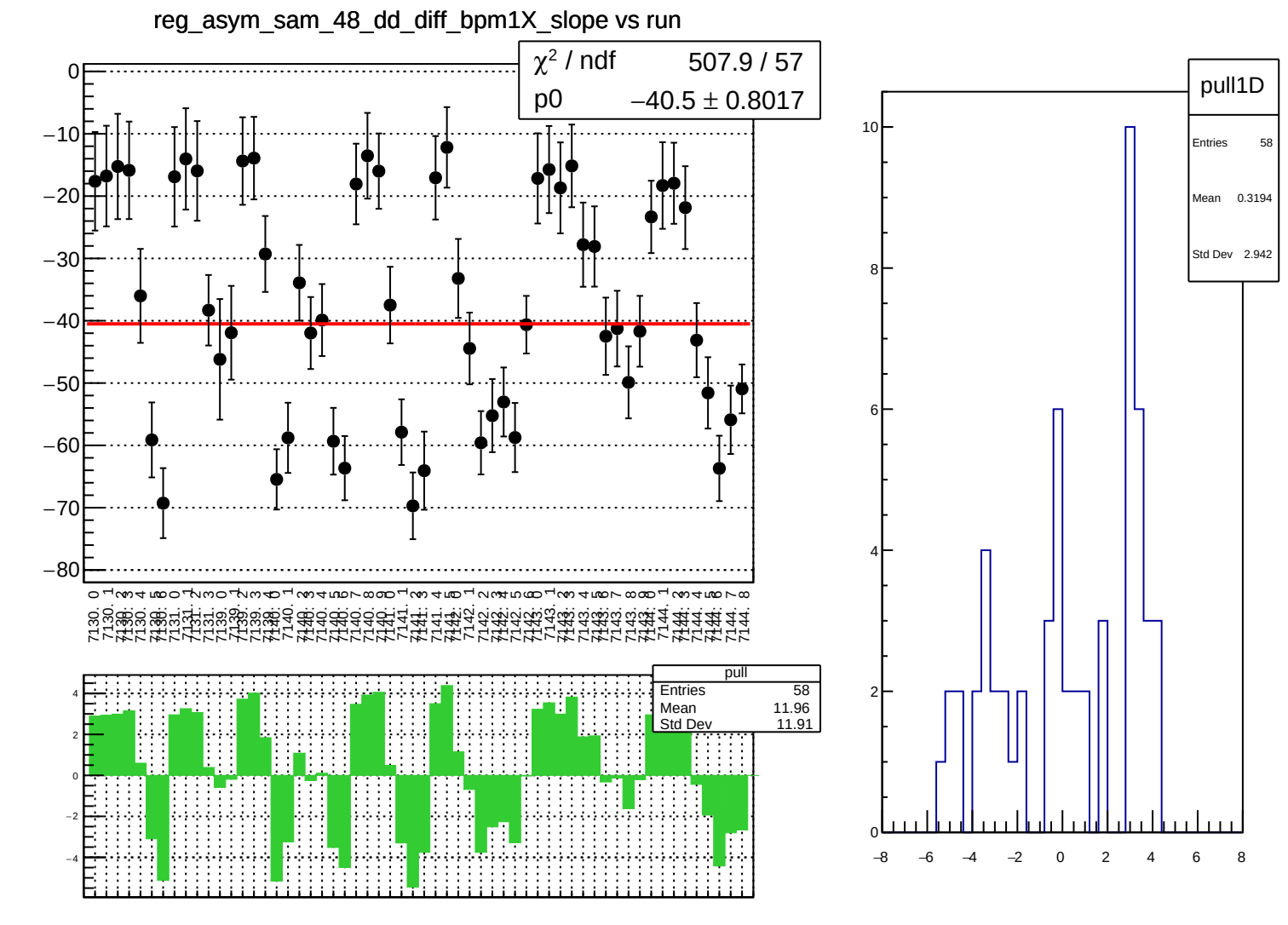

pull1D
Entries 58
Mean −0.04191
Std Dev 2.399

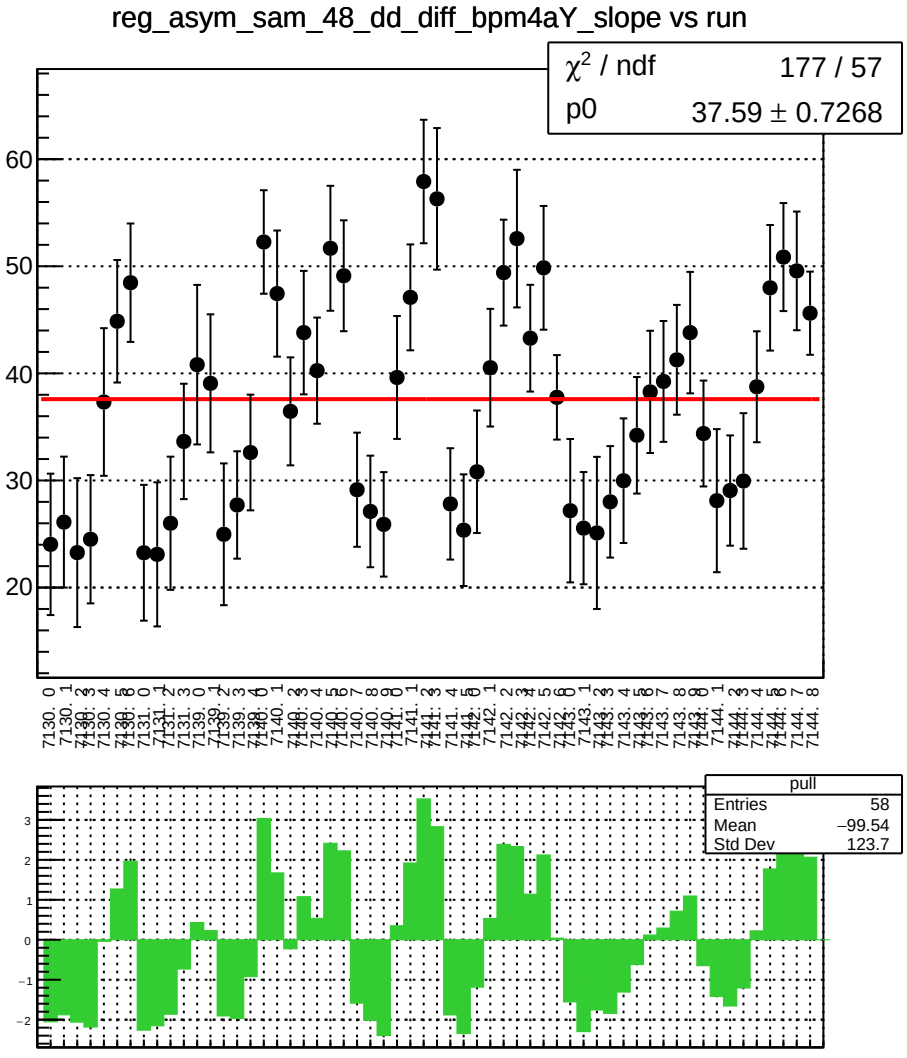

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 820.3 / 57
p0 −41.33 ± 0.9886
pull
Entries 58
Mean 6.835
Std Dev 7.578
pull1D
Entries 58
Mean −0.4455
Std Dev 3.734

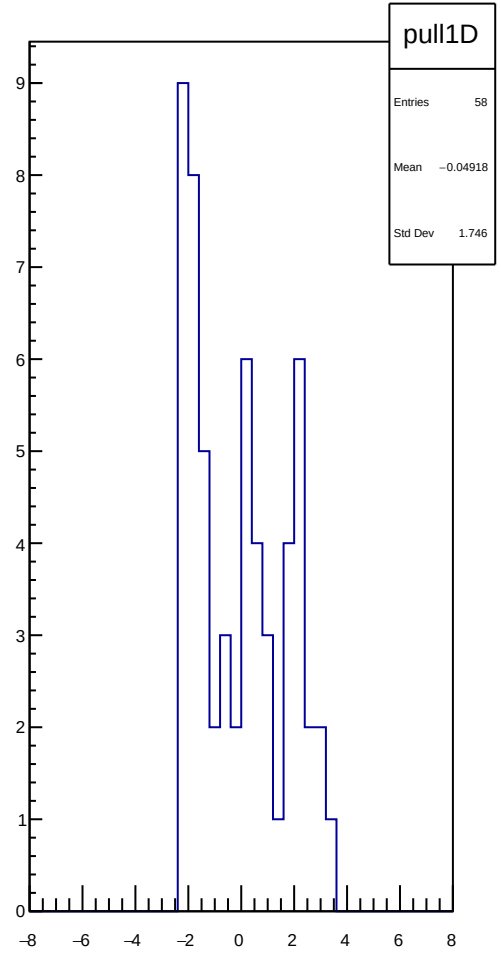

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 245.7 / 57
p0 99.44 ± 0.9404
pull
Entries 58
Mean −78.55
Std Dev 103.7

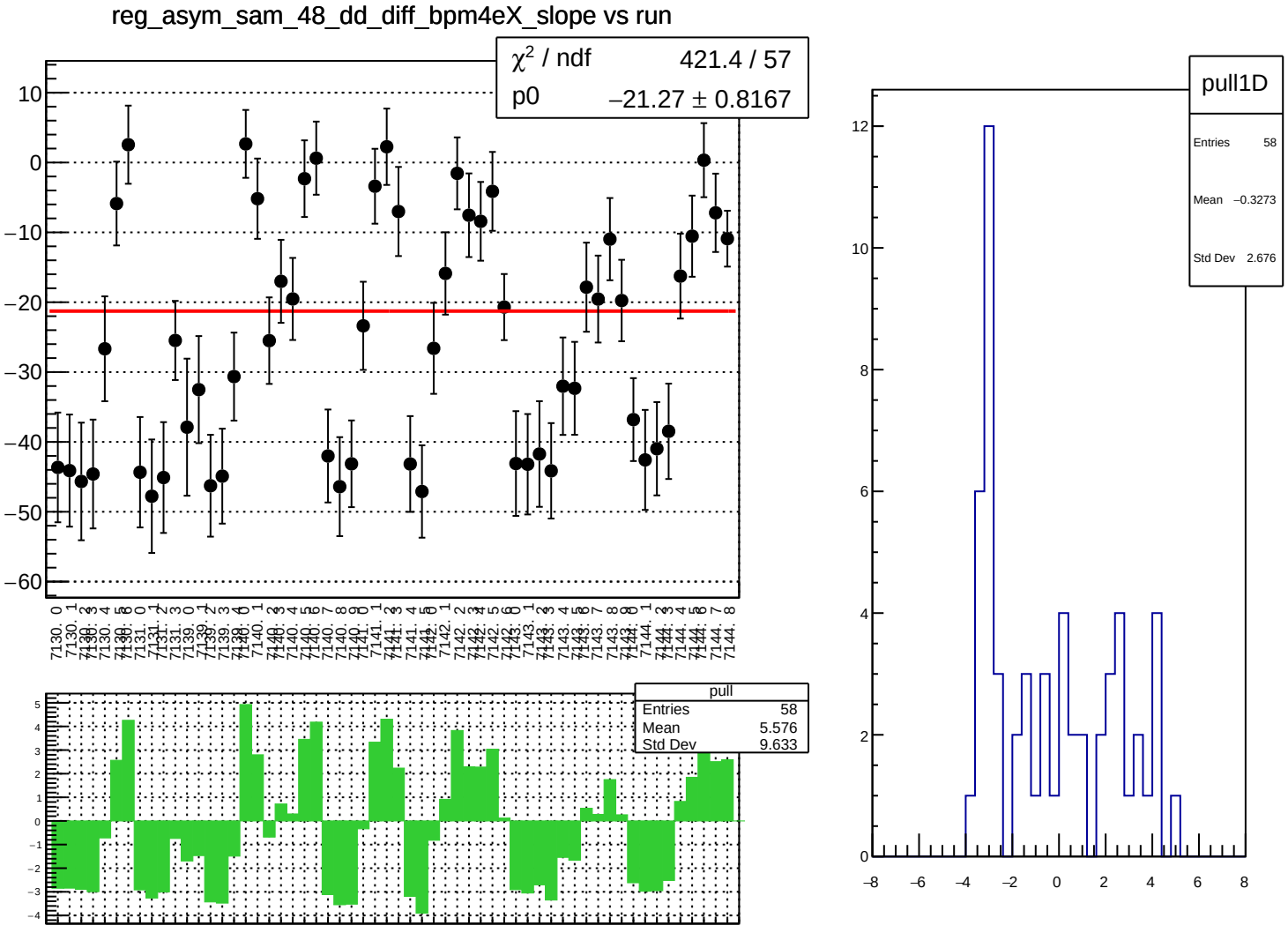

pull1D
Entries 58
Mean 0.07968
Std Dev 2.057

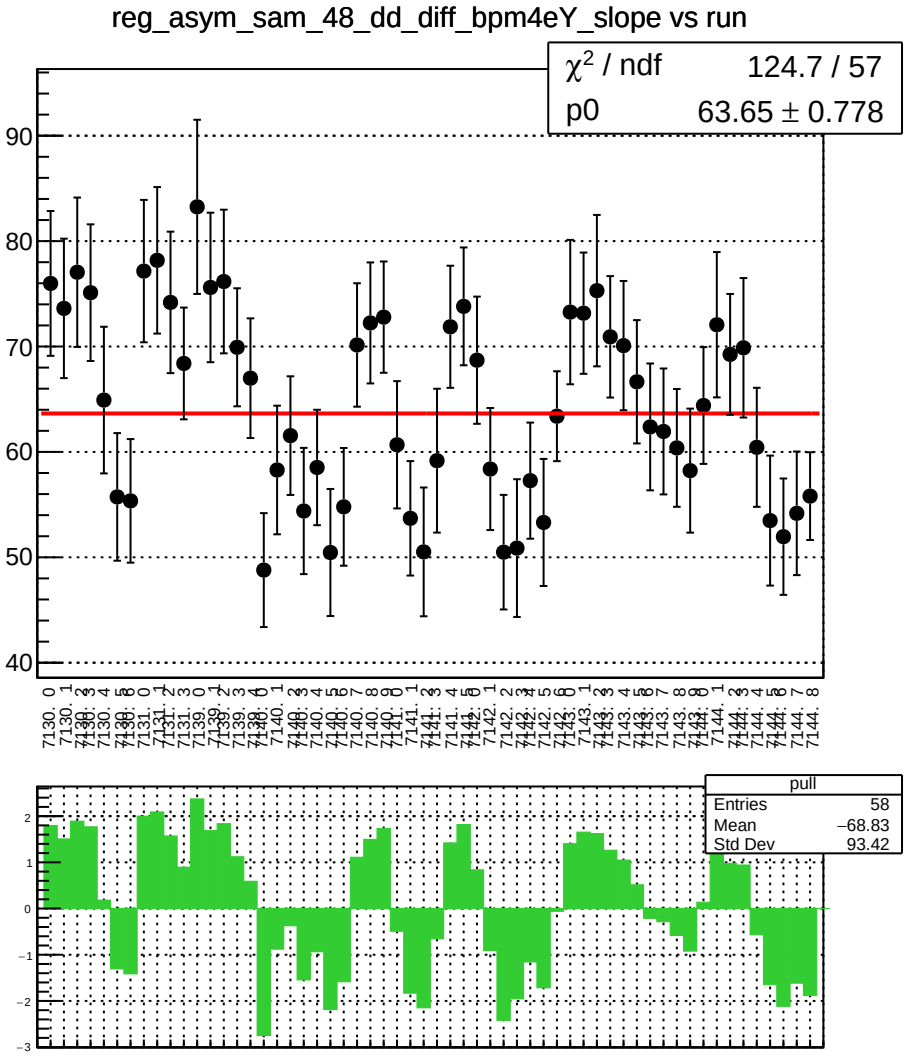

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 24.58 / 57
p0 0.3309 ± 0.04356
pull
Entries 58
Mean −438.3
Std Dev 464.3
pull1D
Entries 58
Mean −0.01751
Std Dev 0.6508

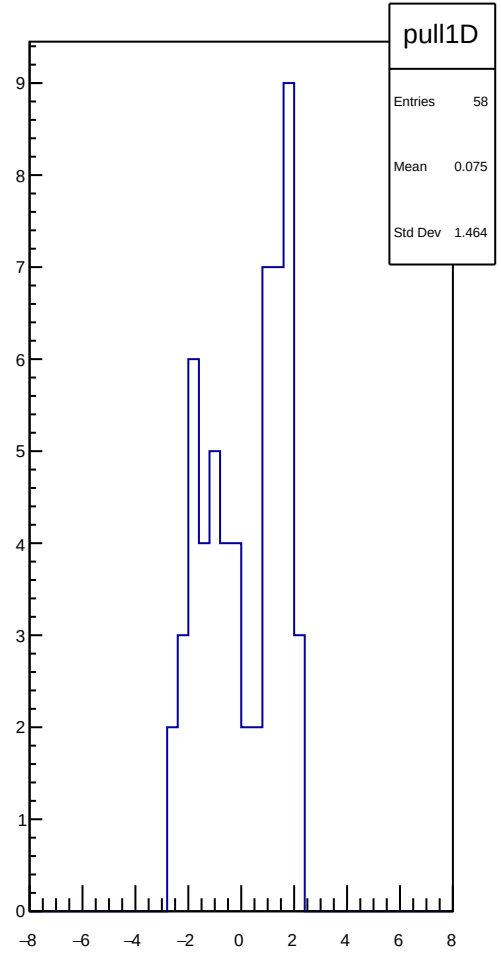

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 507.9 / 57
p0 −40.5 ± 0.8017
pull
Entries 58
Mean 11.96
Std Dev 11.91
pull1D
Entries 58
Mean 0.3194
Std Dev 2.942

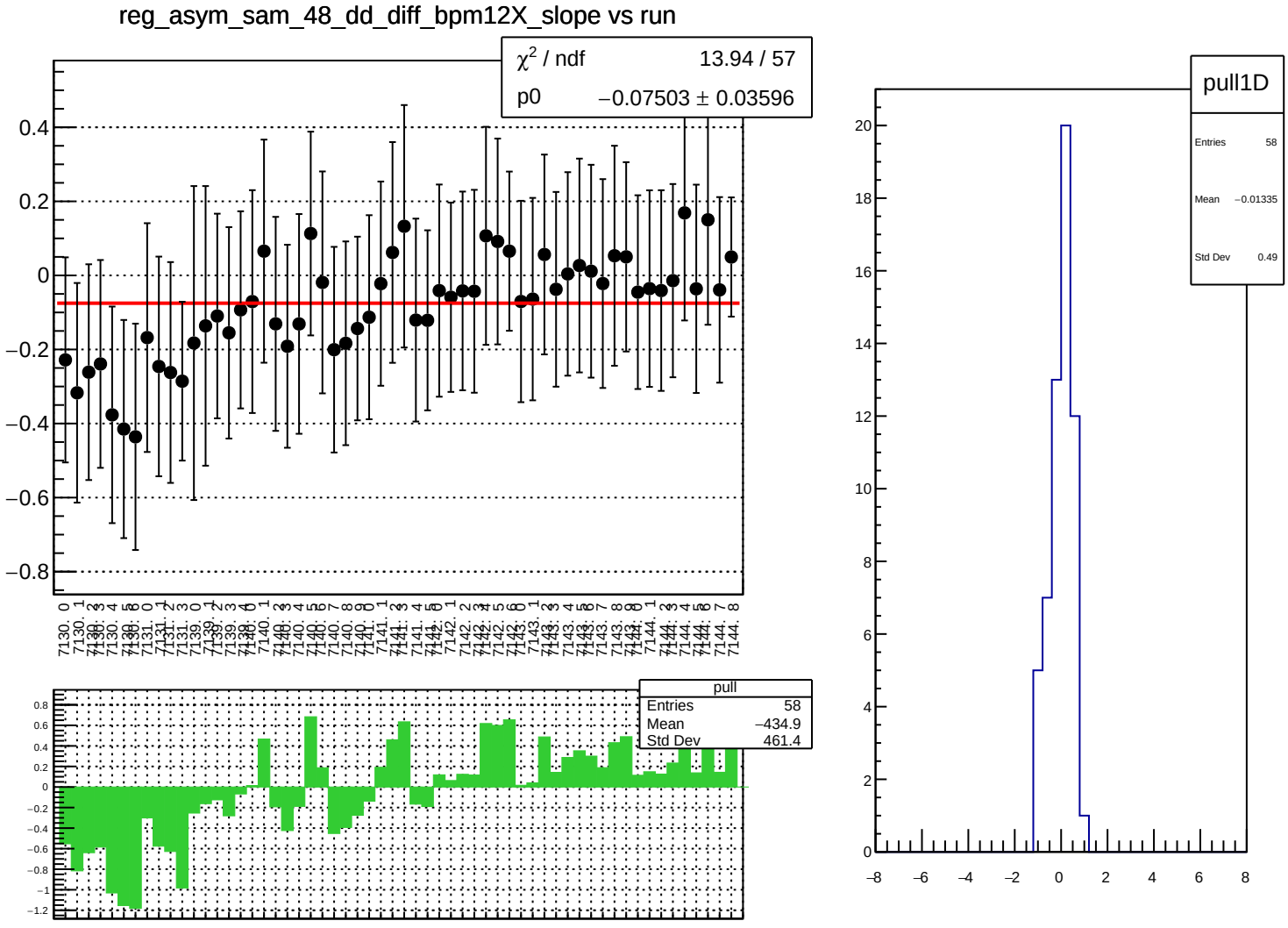

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 177 / 57
p0 37.59 ± 0.7268
pull
Entries 58
Mean −99.54
Std Dev 123.7

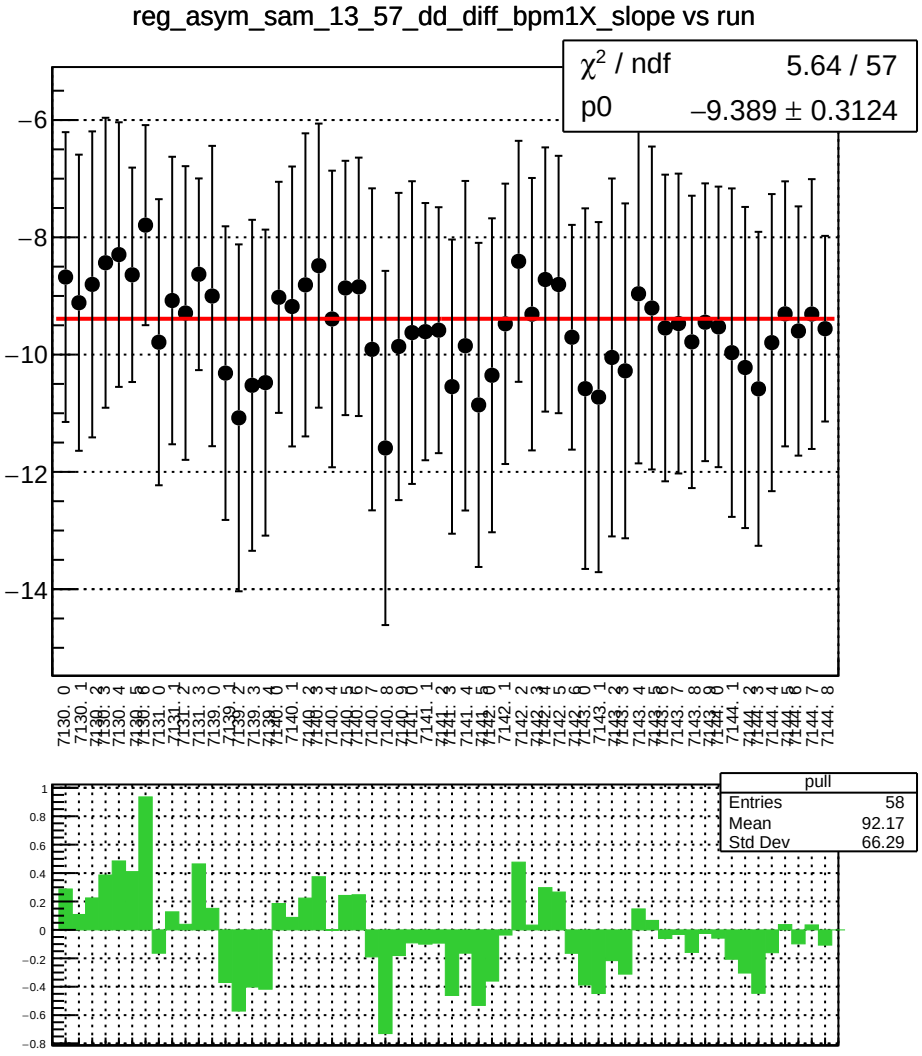

pull1D
Entries 58
Mean −0.04918
Std Dev 1.746

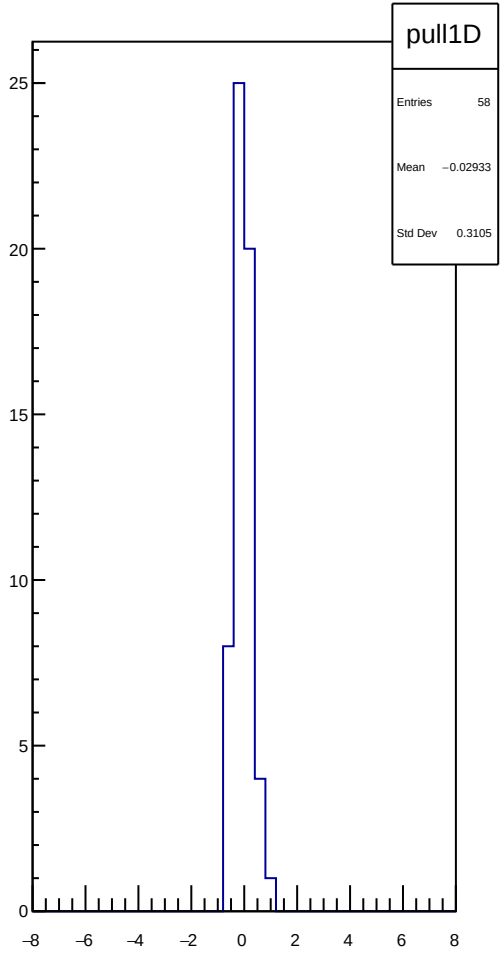

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 421.4 / 57
p0 −21.27 ± 0.8167
pull
Entries 58
Mean 5.576
Std Dev 9.633
pull1D
Entries 58
Mean −0.3273
Std Dev 2.676

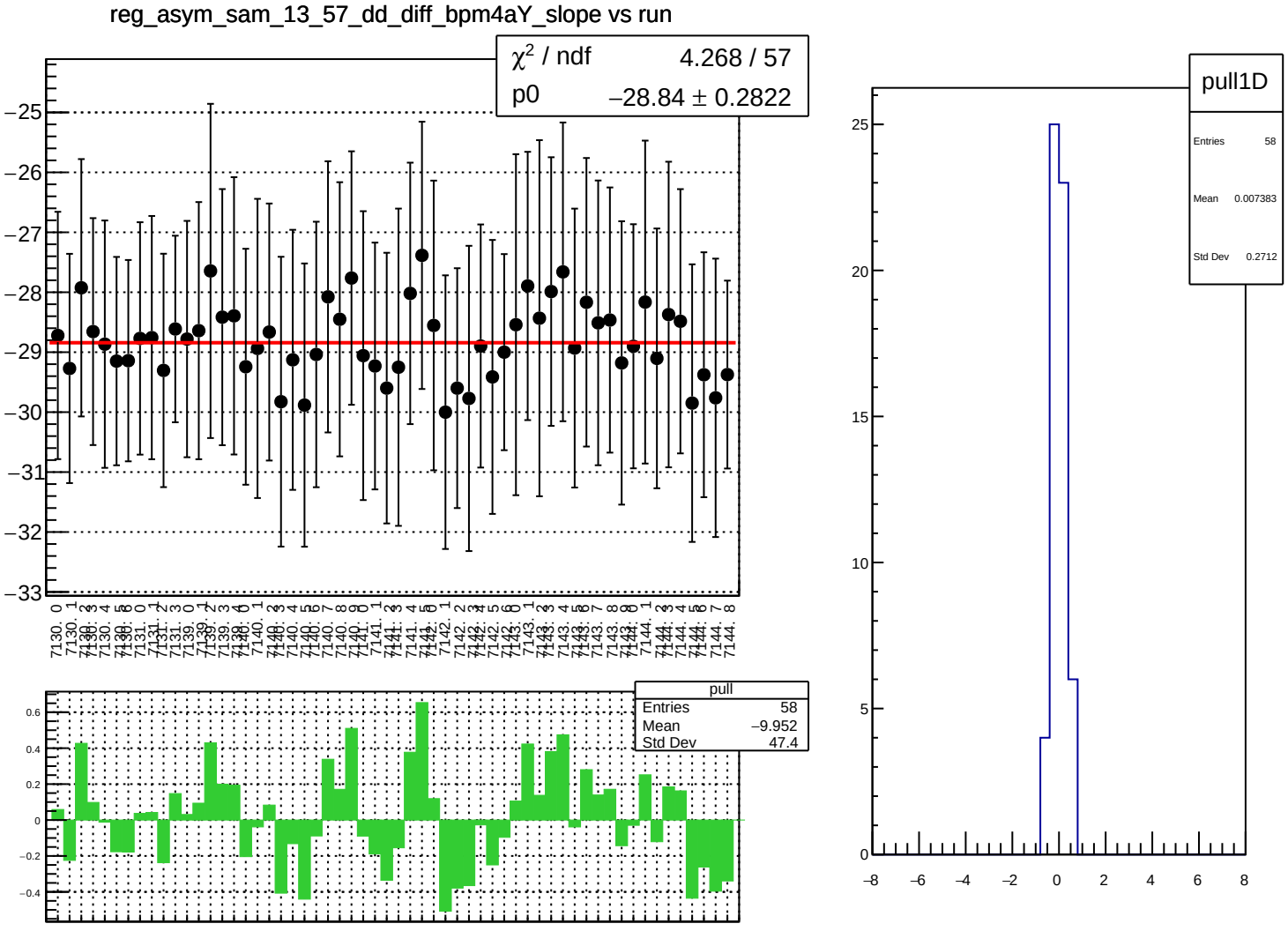

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 124.7 / 57
p0 63.65 ± 0.778
pull
Entries 58
Mean −68.83
Std Dev 93.42


pull1D
Entries 58
Mean 0.075
Std Dev 1.464

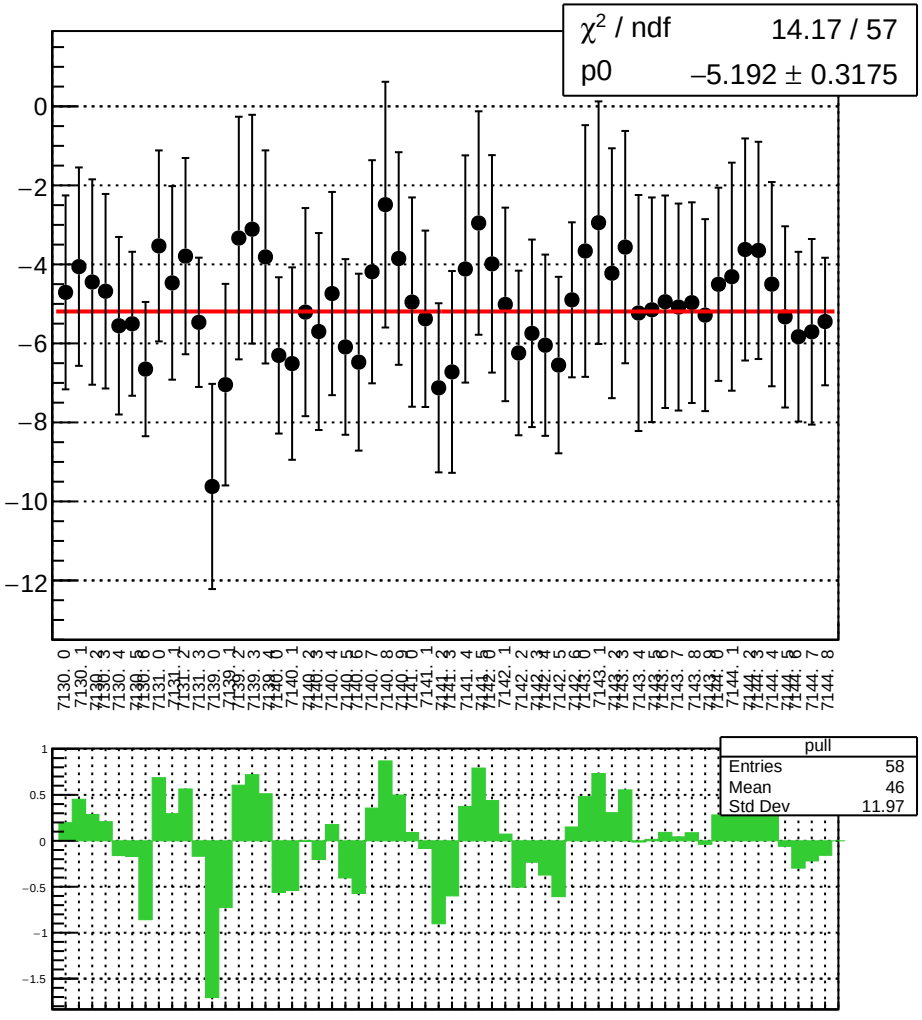

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.94 / 57
p0 −0.07503 ± 0.03596
pull
Entries 58
Mean −434.9
Std Dev 461.4
pull1D
Entries 58
Mean −0.01335
Std Dev 0.49

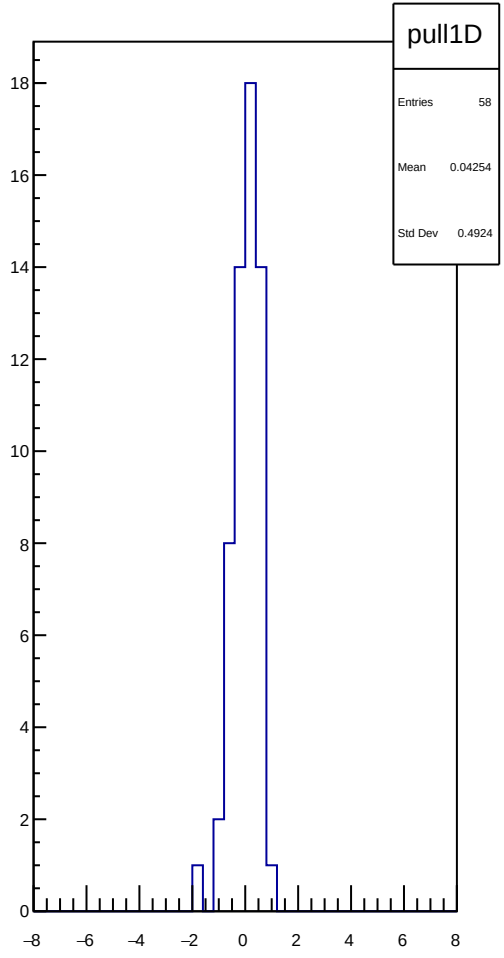

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 5.64 / 57
p0 −9.389 ± 0.3124
pull
Entries 58
Mean 92.17
Std Dev 66.29

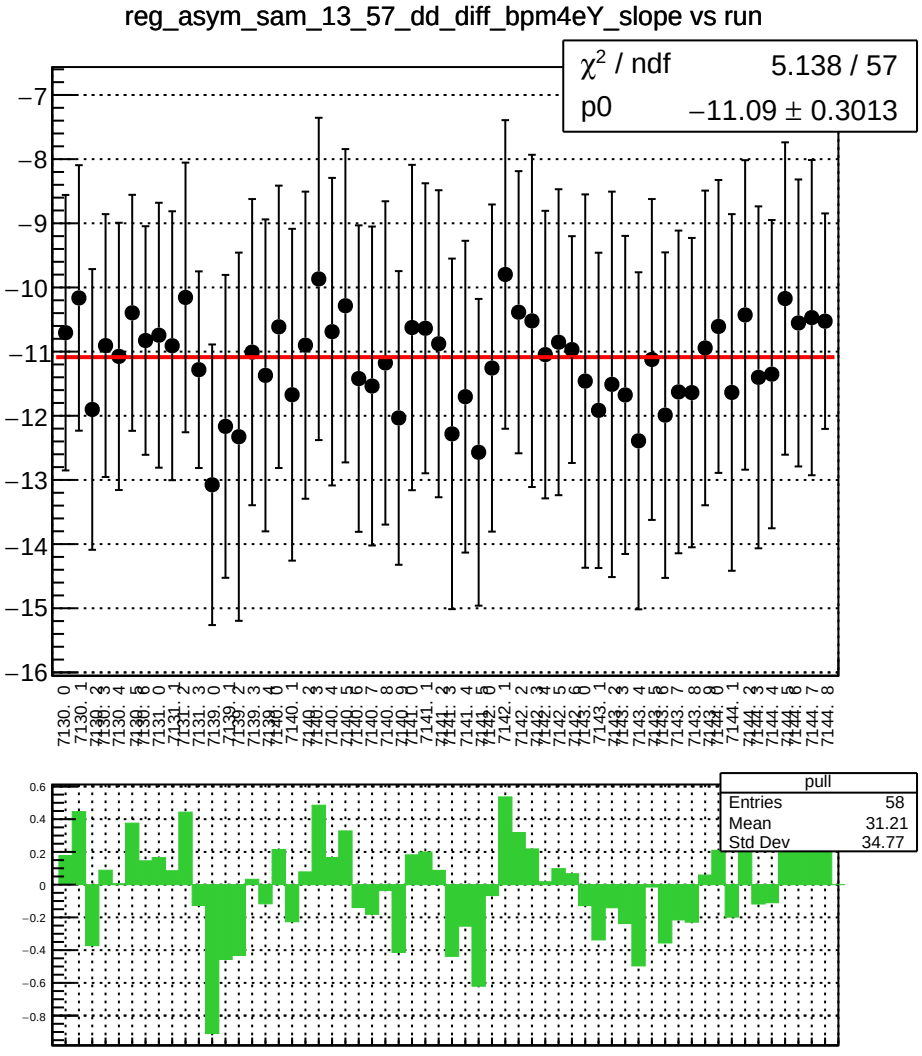

pull1D
Entries 58
Mean −0.02933
Std Dev 0.3105

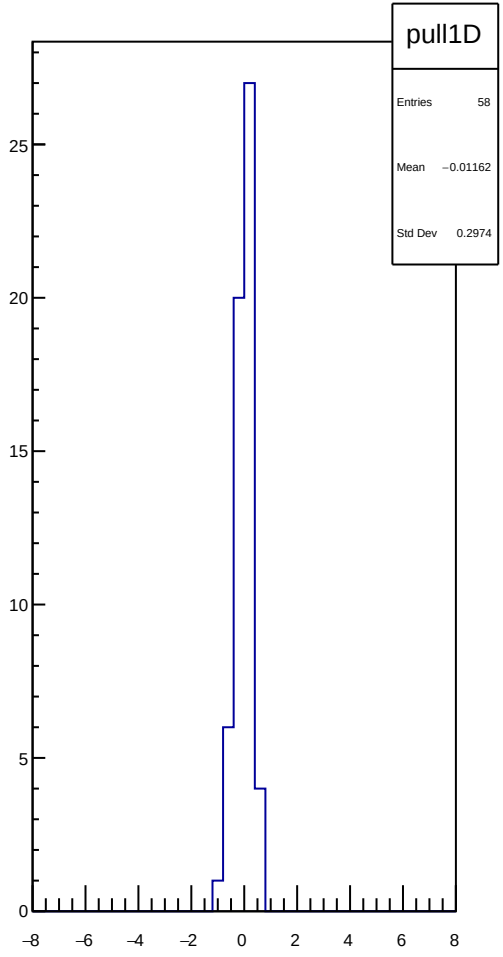

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.268 / 57
p0 −28.84 ± 0.2822
pull
Entries 58
Mean −9.952
Std Dev 47.4
pull1D
Entries 58
Mean 0.007383
Std Dev 0.2712

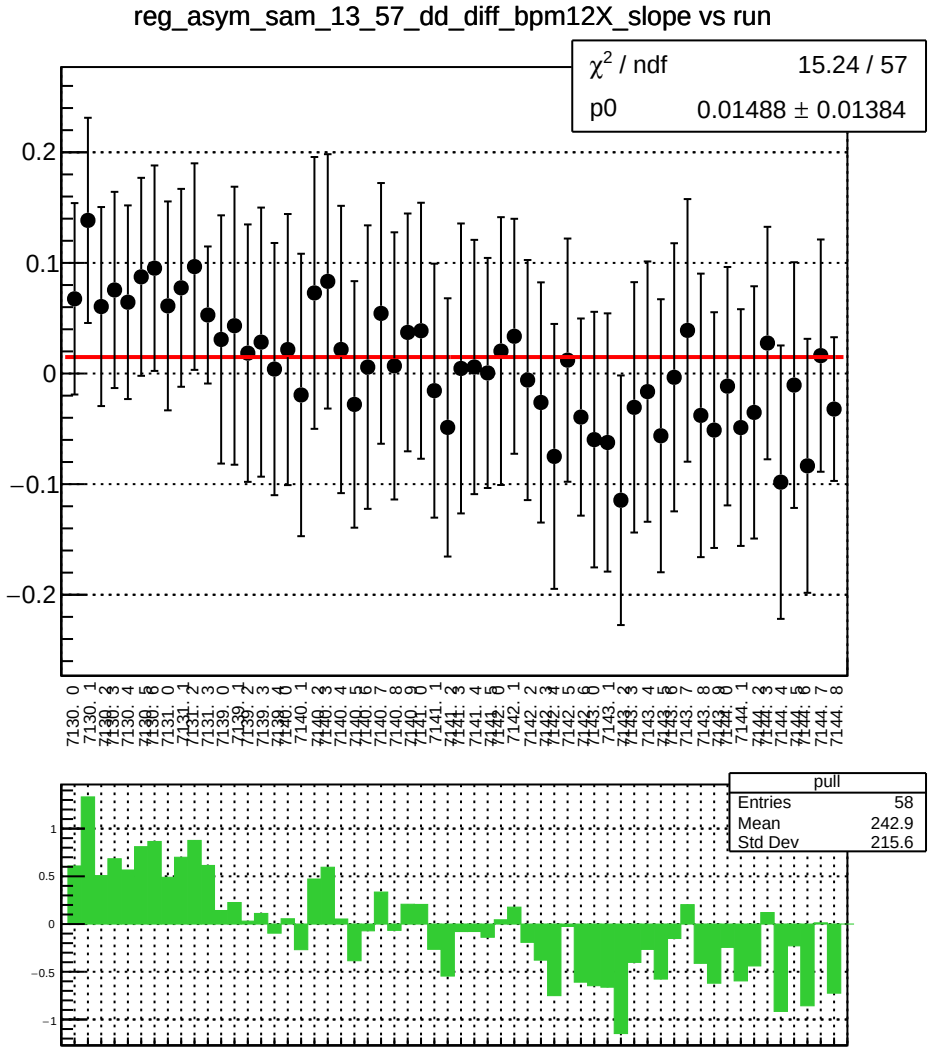
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run

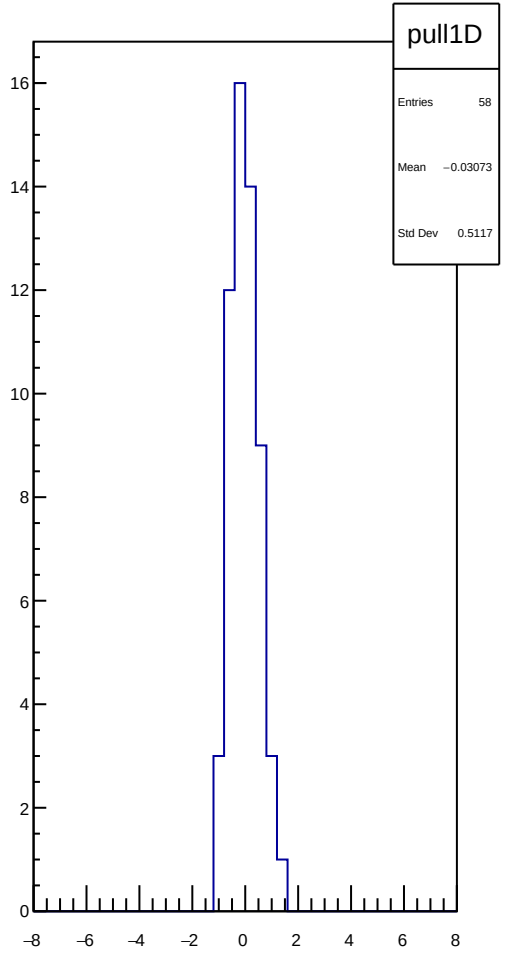




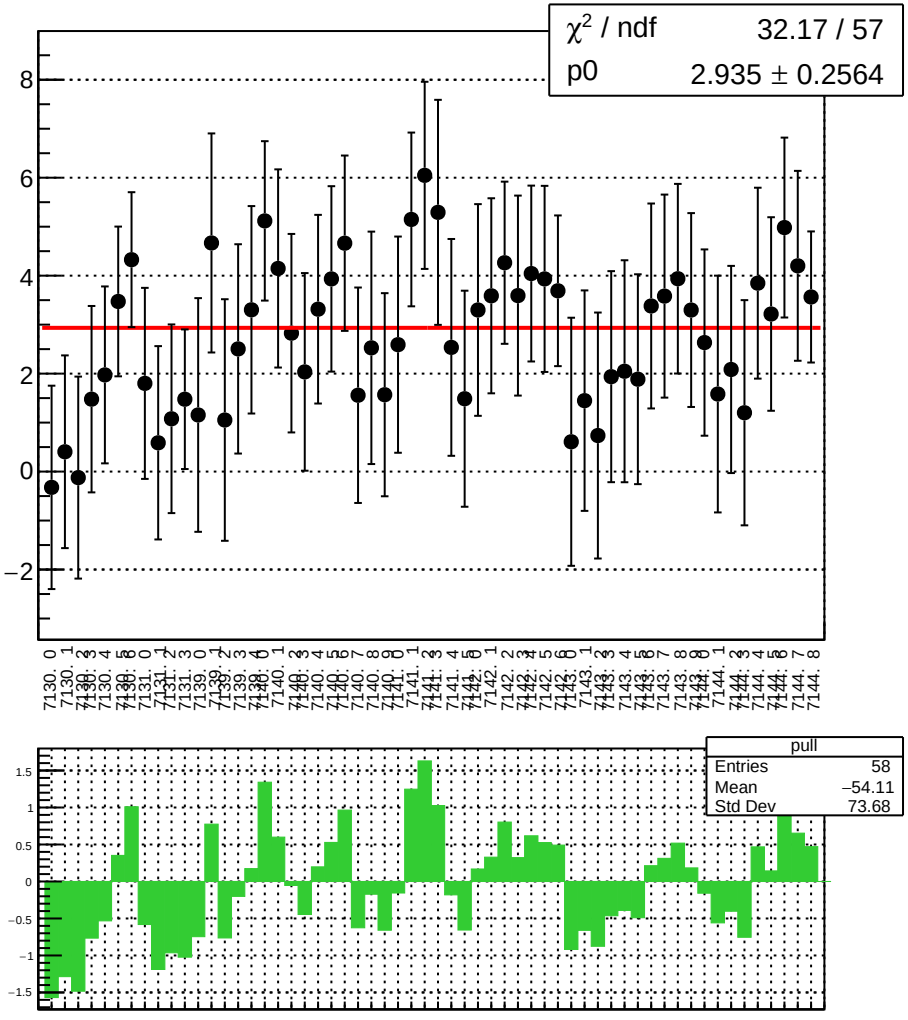

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.138 / 57
p0 −11.09 ± 0.3013
pull
Entries 58
Mean 31.21
Std Dev 34.77

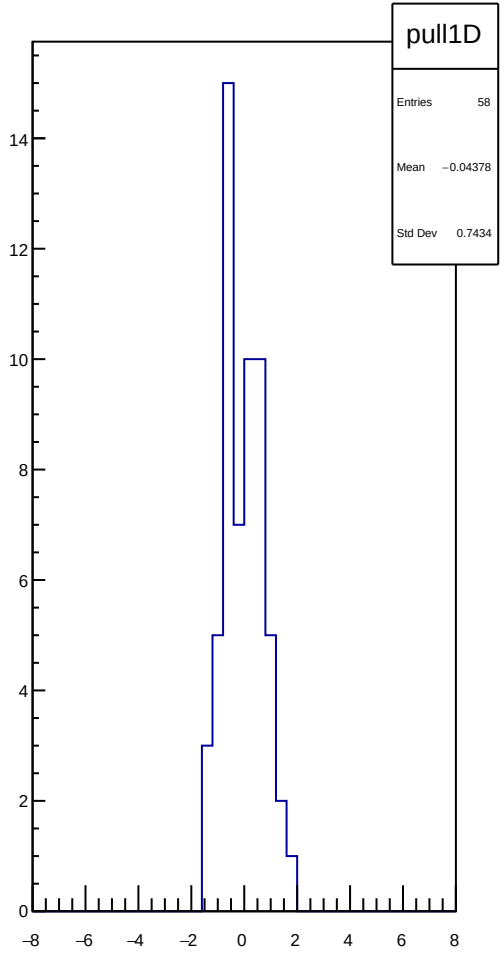

pull1D
Entries 58
Mean −0.01162
Std Dev 0.2974

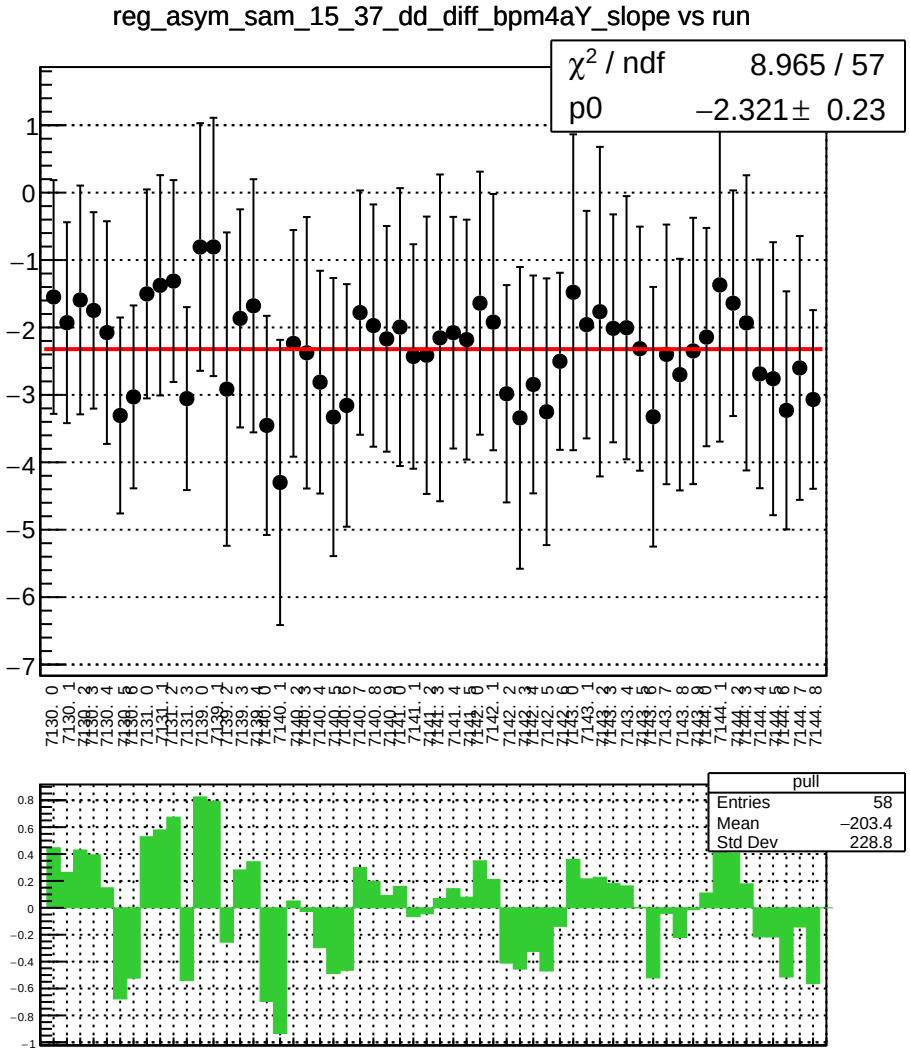

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 15.24 / 57
p0 0.01488 ± 0.01384
pull
Entries 58
Mean 242.9
Std Dev 215.6

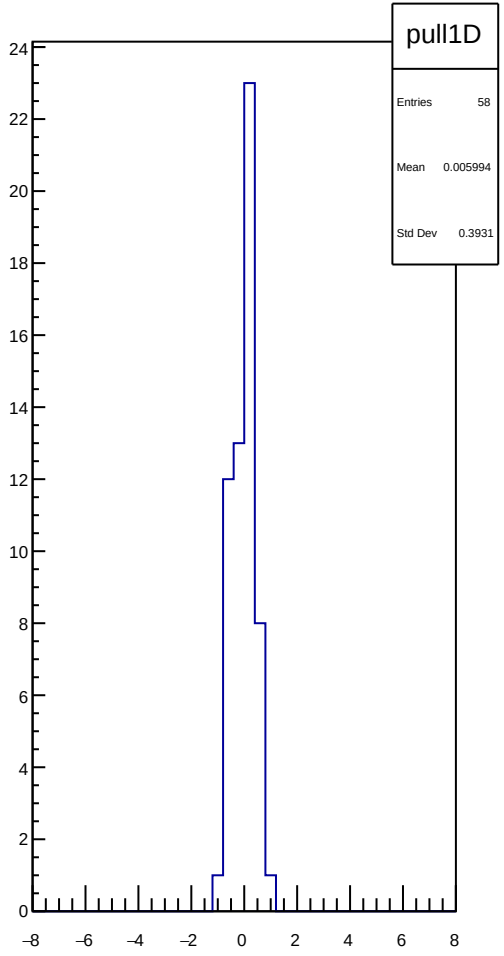

pull1D
Entries 58
Mean −0.03073
Std Dev 0.5117

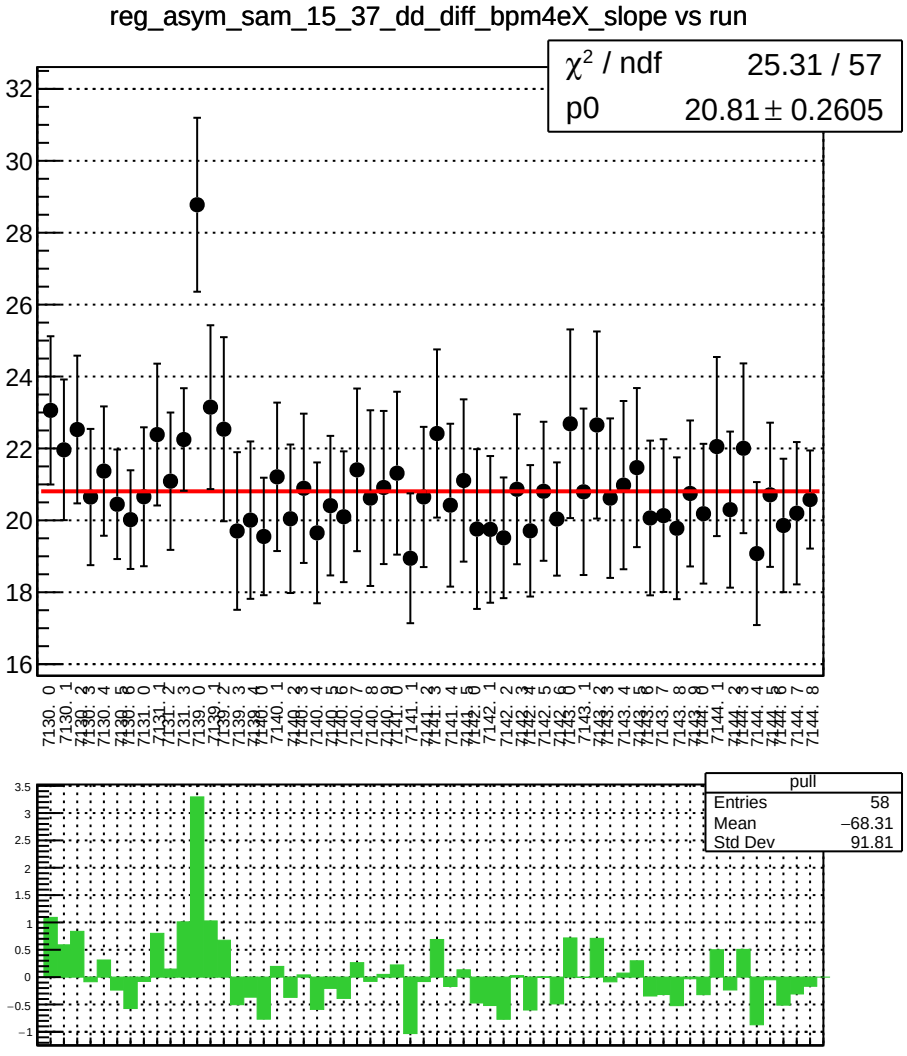
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run

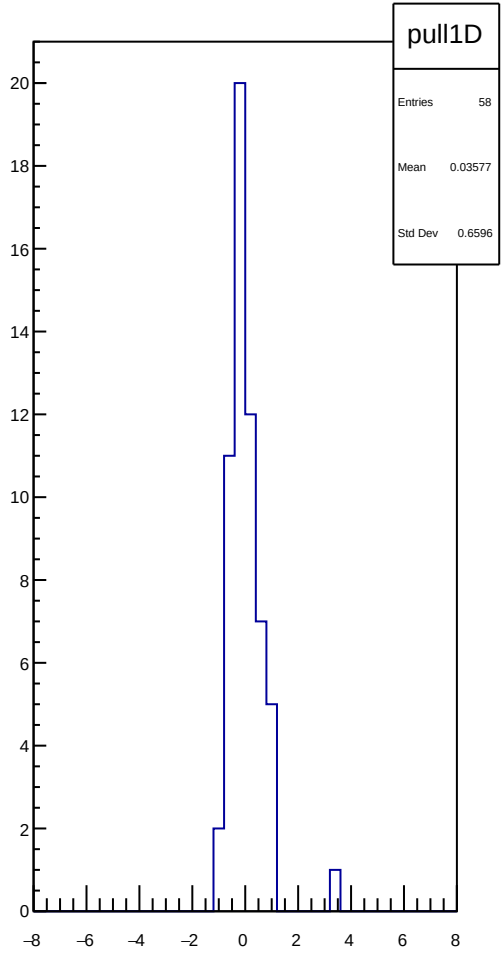


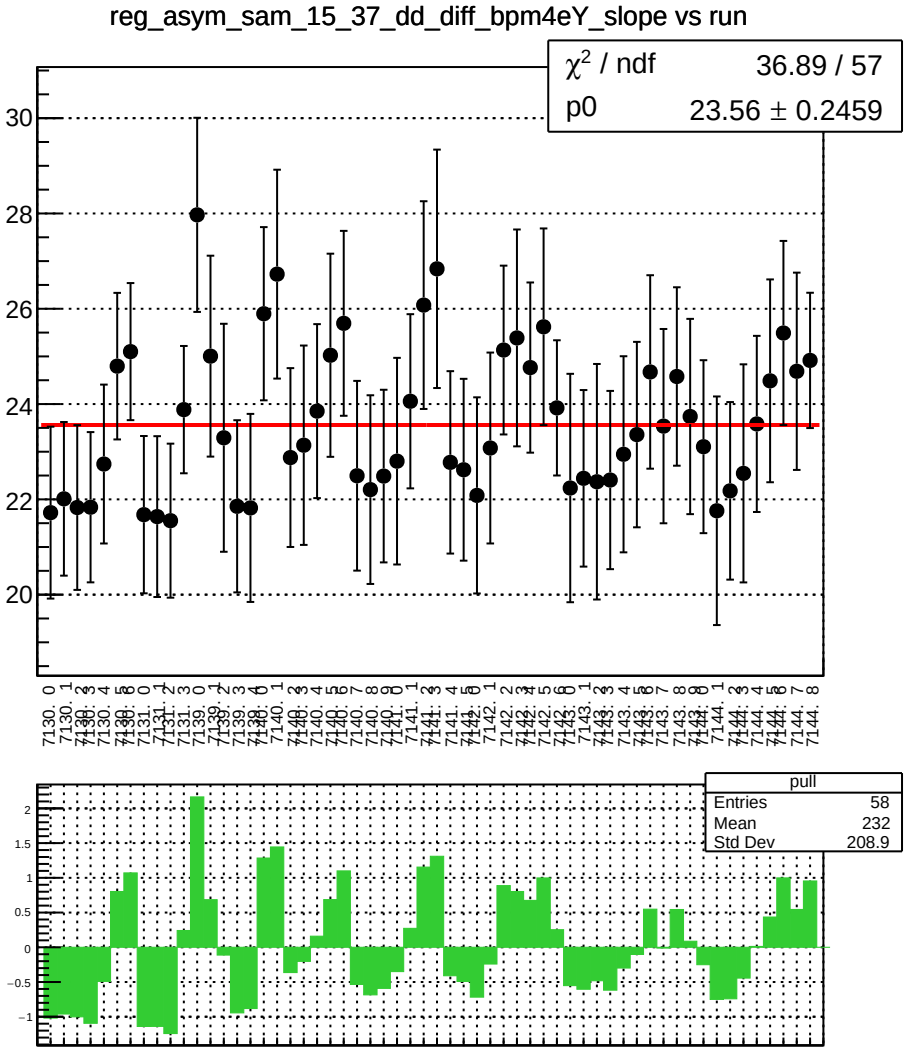


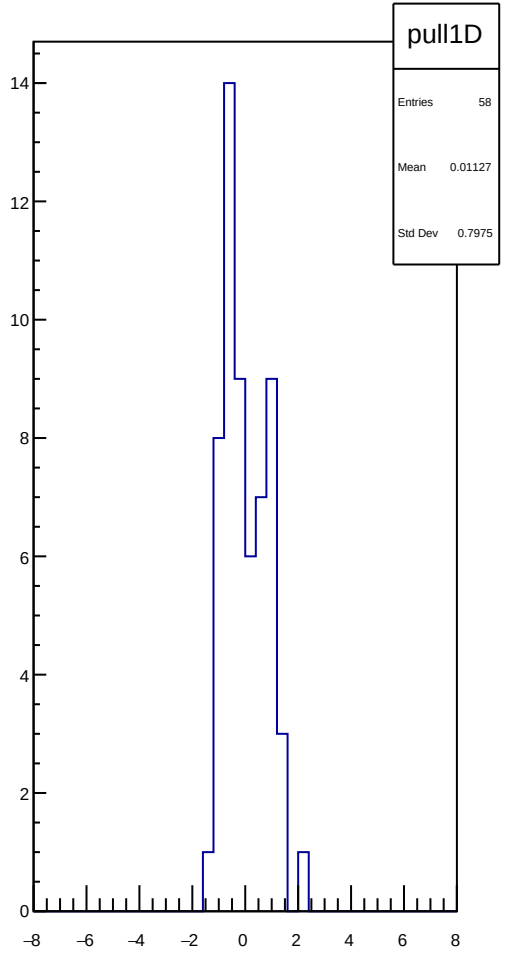

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.965 / 57
p0 −2.321 ± 0.23
pull
Entries 58
Mean −203.4
Std Dev 228.8

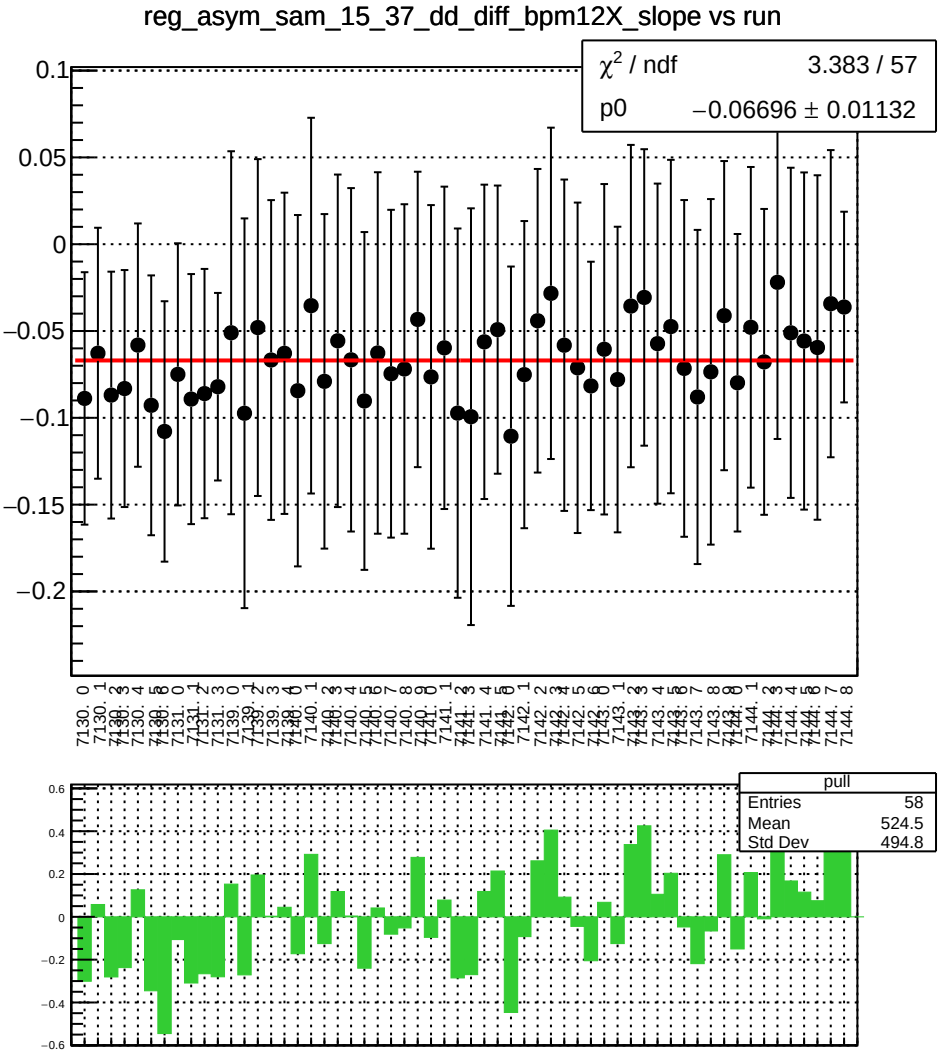

pull1D
Entries 58
Mean 0.005994
Std Dev 0.3931

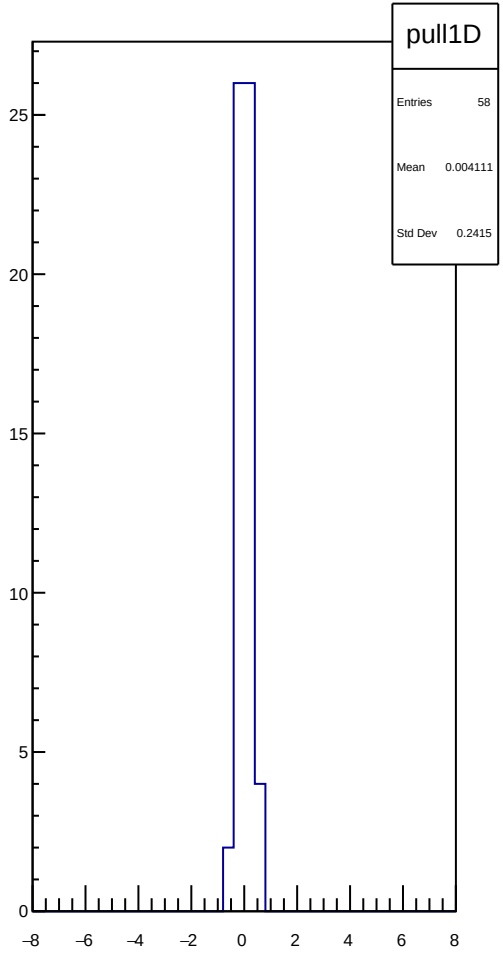

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.31 / 57
p0 20.81 ± 0.2605
pull
Entries 58
Mean −68.31
Std Dev 91.81

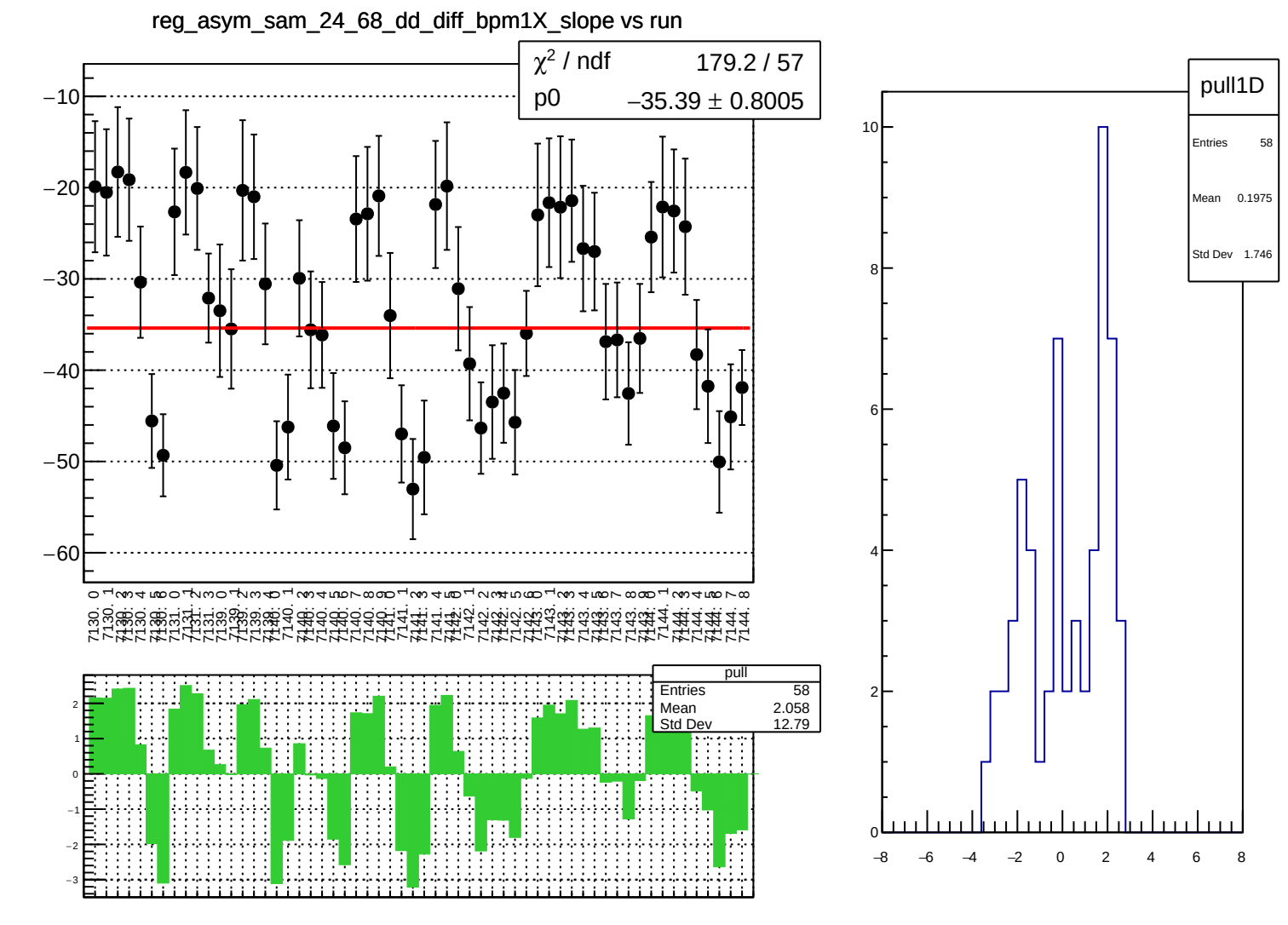

pull1D
Entries 58
Mean 0.03577
Std Dev 0.6596

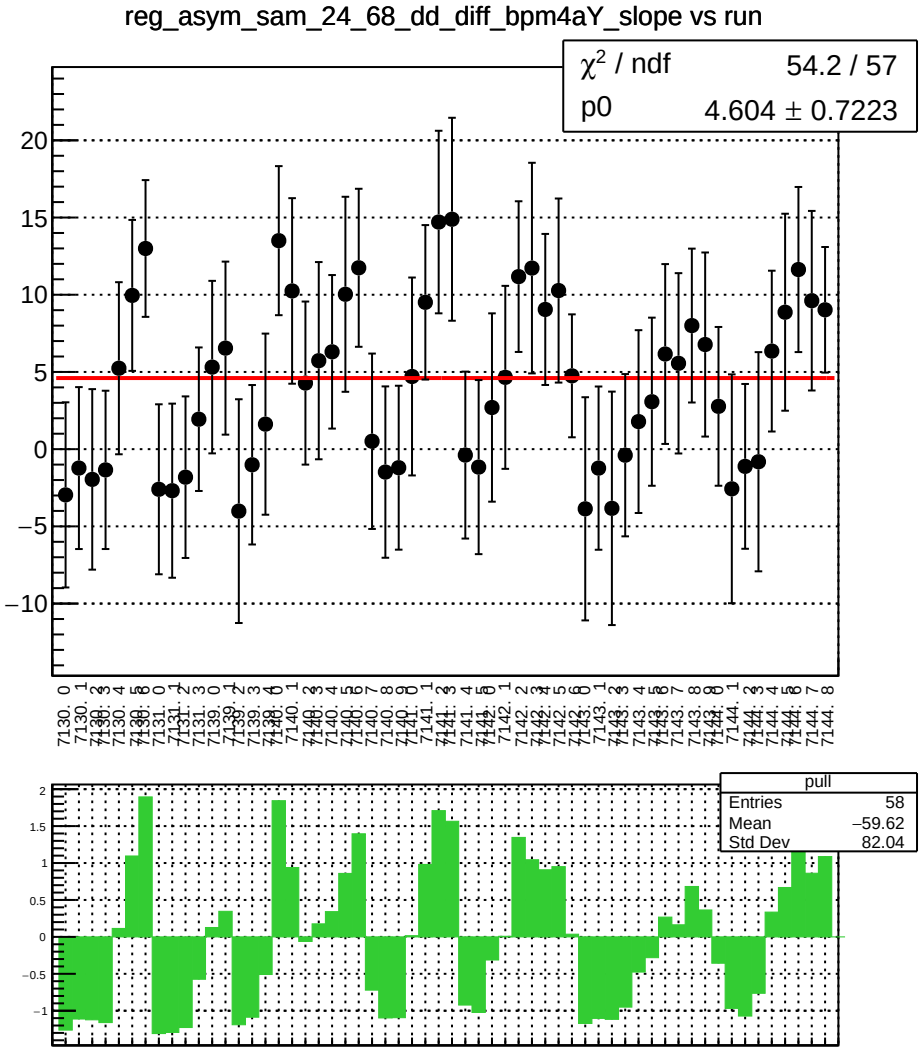

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.89 / 57
p0 23.56 ± 0.2459
pull
Entries 58
Mean 232
Std Dev 208.9

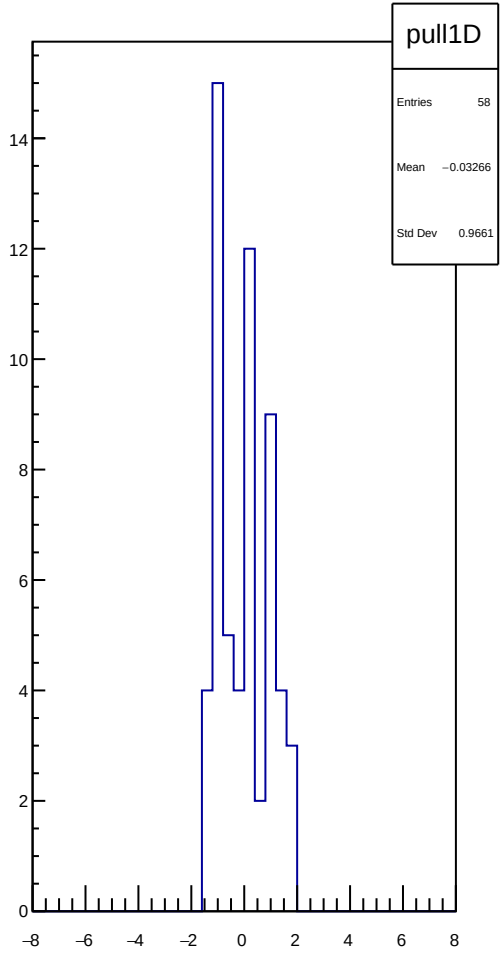

pull1D
Entries 58
Mean 0.01127
Std Dev 0.7975


reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.383 / 57
p0 −0.06696 ± 0.01132
pull
Entries 58
Mean 524.5
Std Dev 494.8

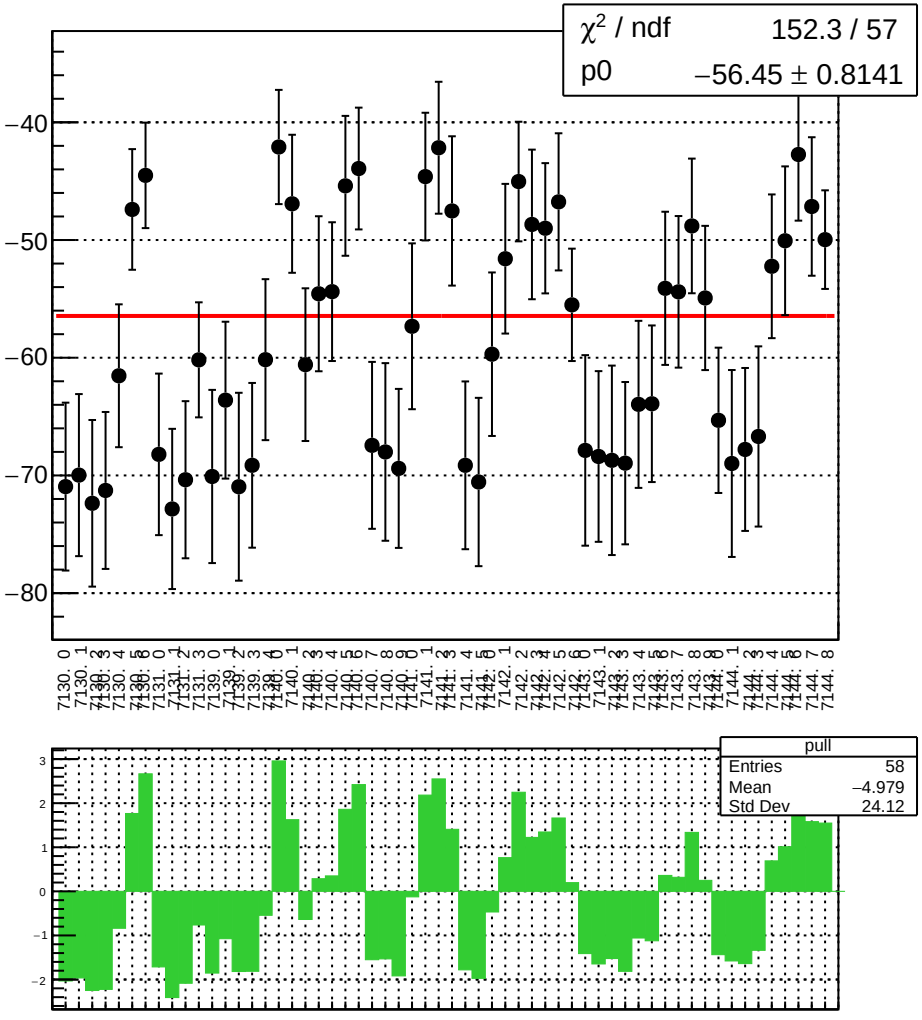

pull1D
Entries 58
Mean 0.004111
Std Dev 0.2415

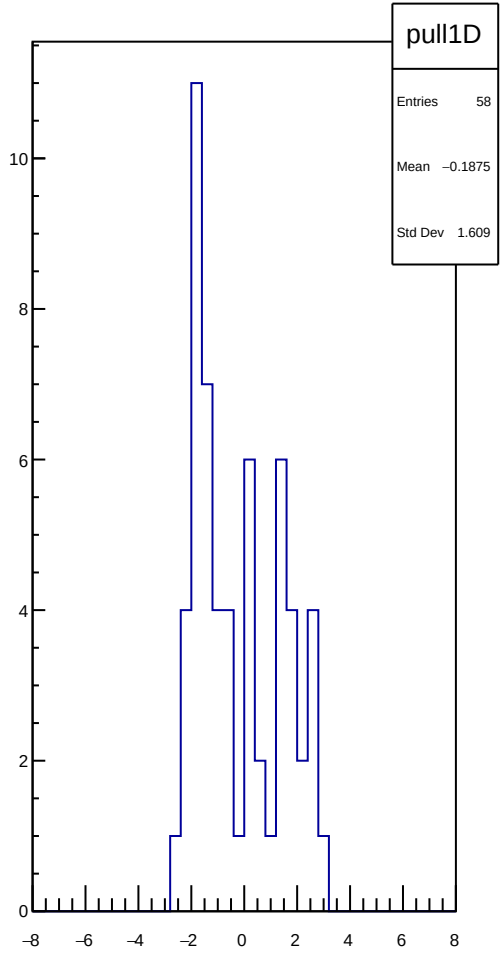

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 179.2 / 57
p0 −35.39 ± 0.8005
pull
Entries 58
Mean 2.058
Std Dev 12.79
pull1D
Entries 58
Mean 0.1975
Std Dev 1.746

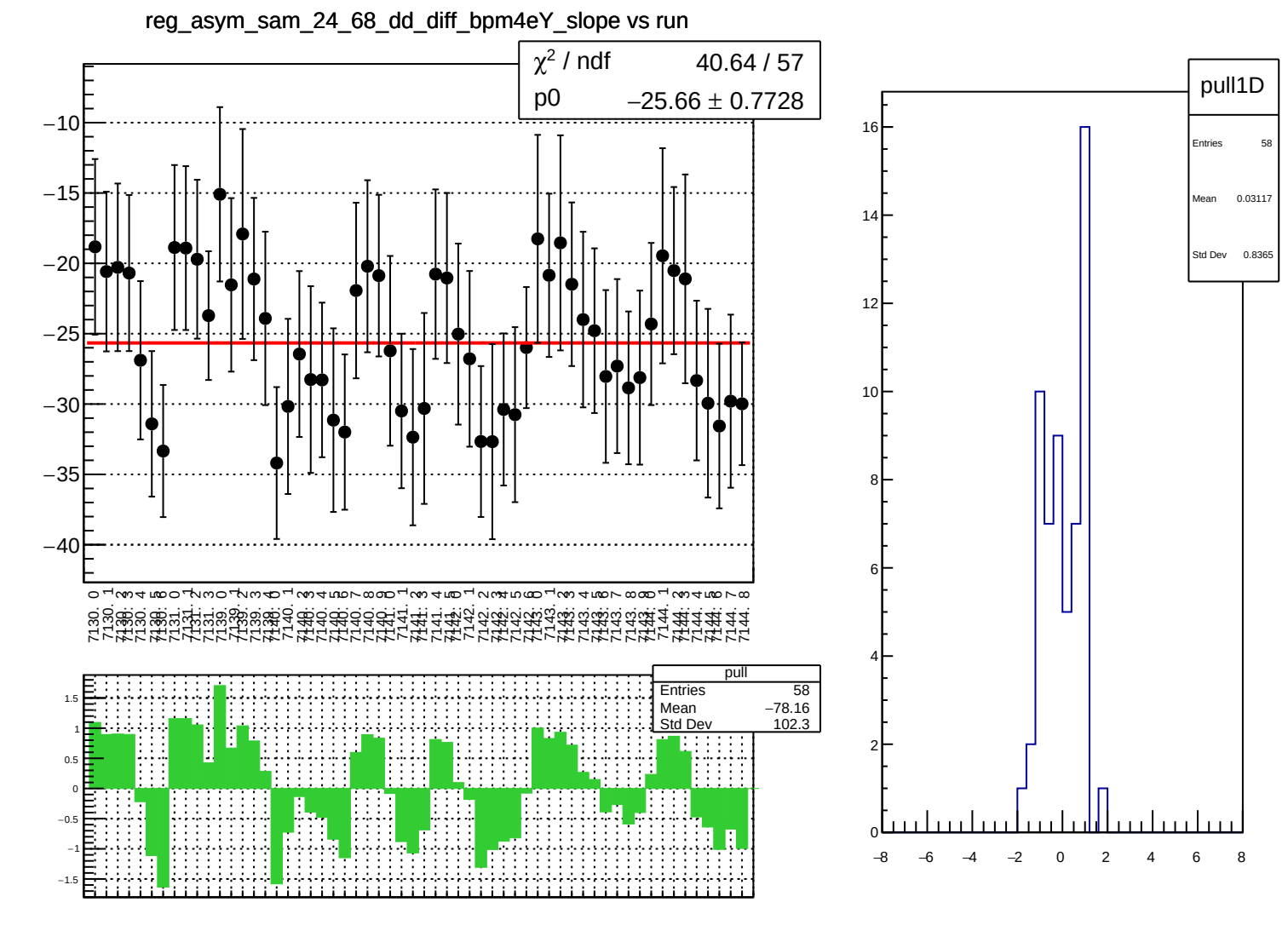

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.2 / 57
p0 4.604 ± 0.7223
pull
Entries 58
Mean −59.62
Std Dev 82.04

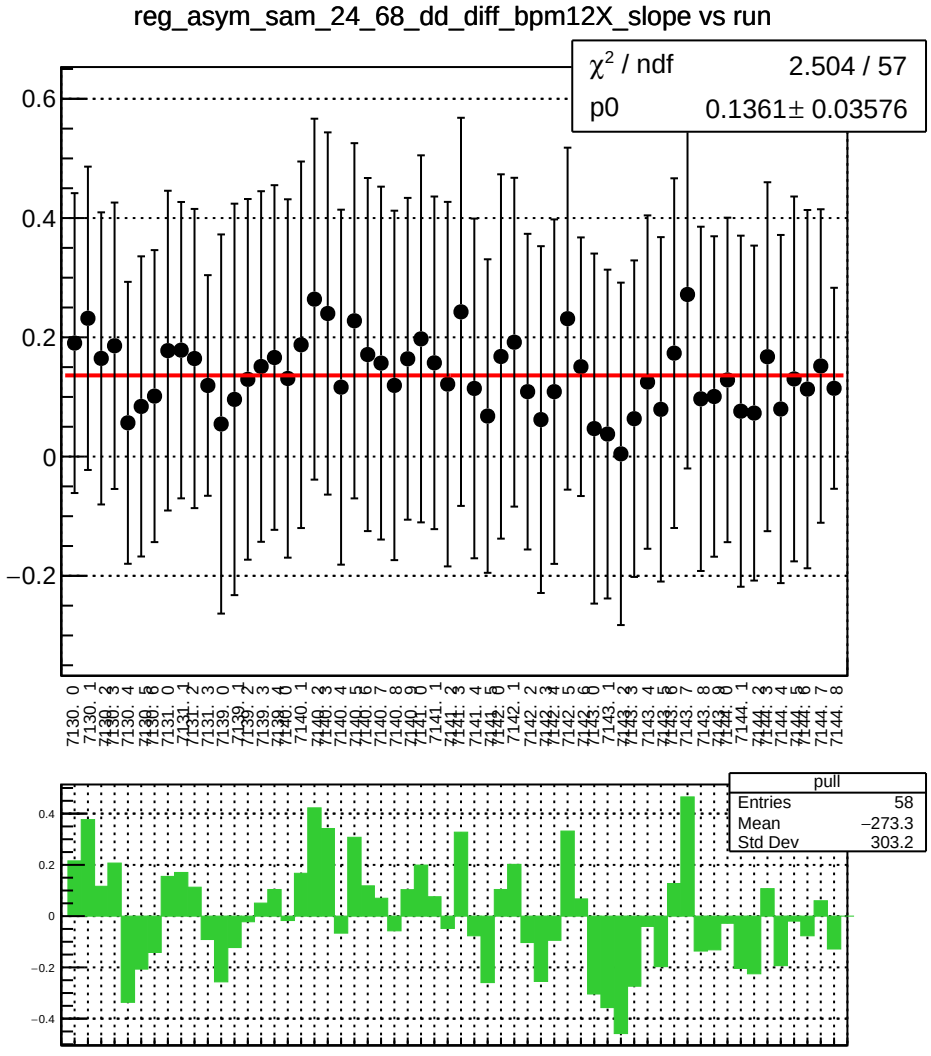

pull1D
Entries 58
Mean −0.03266
Std Dev 0.9661

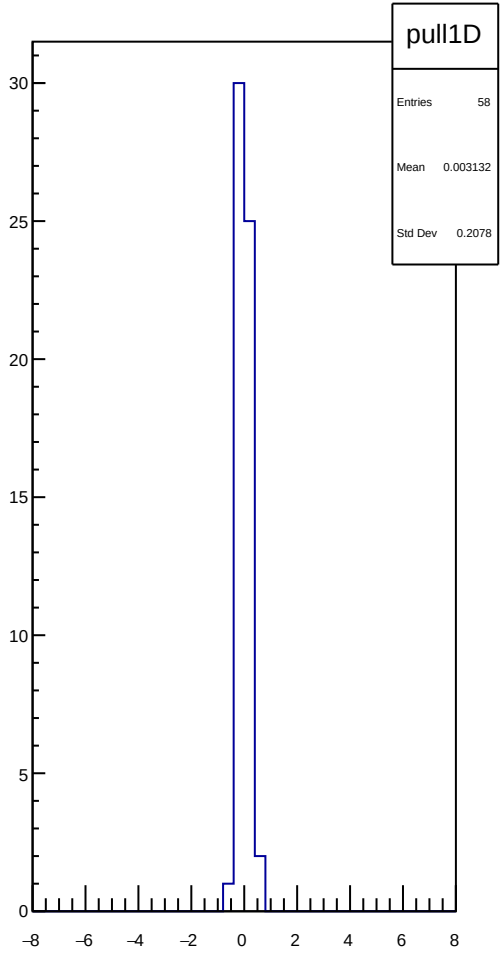
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run

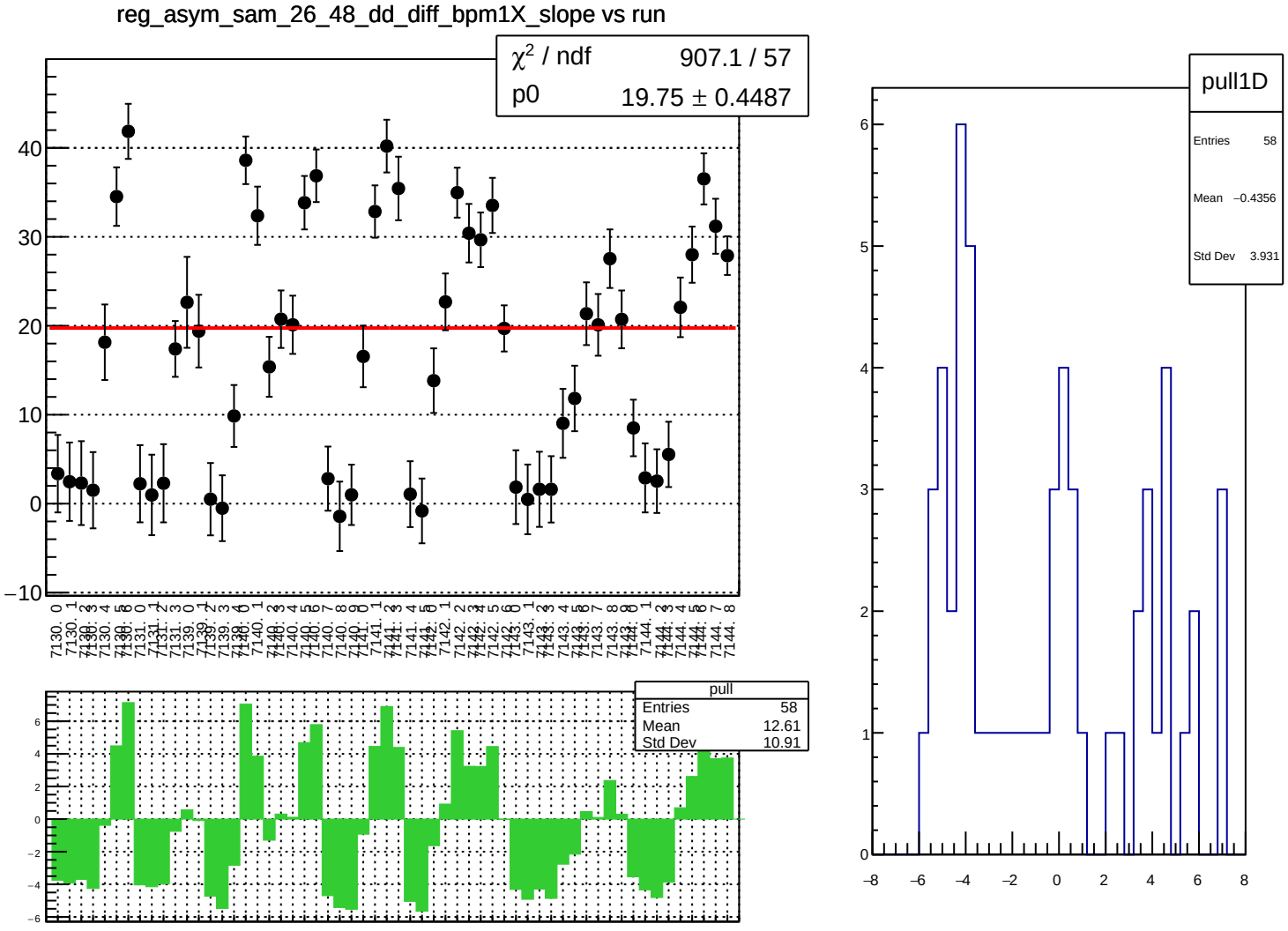


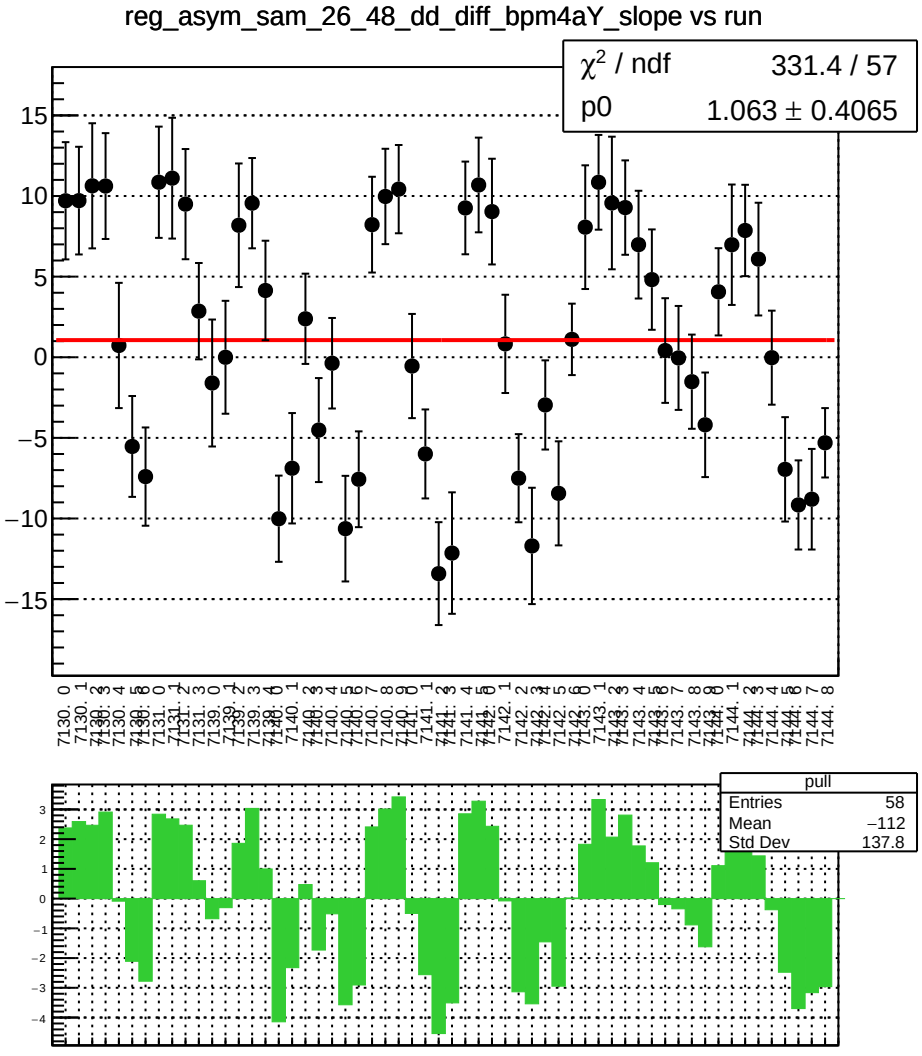


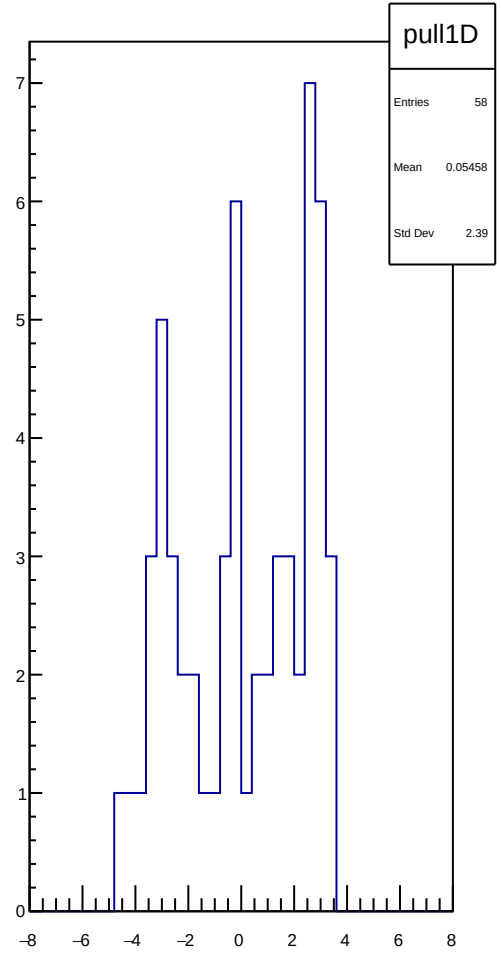

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.64 / 57
p0 −25.66 ± 0.7728
pull
Entries 58
Mean −78.16
Std Dev 102.3
pull1D
Entries 58
Mean 0.03117
Std Dev 0.8365

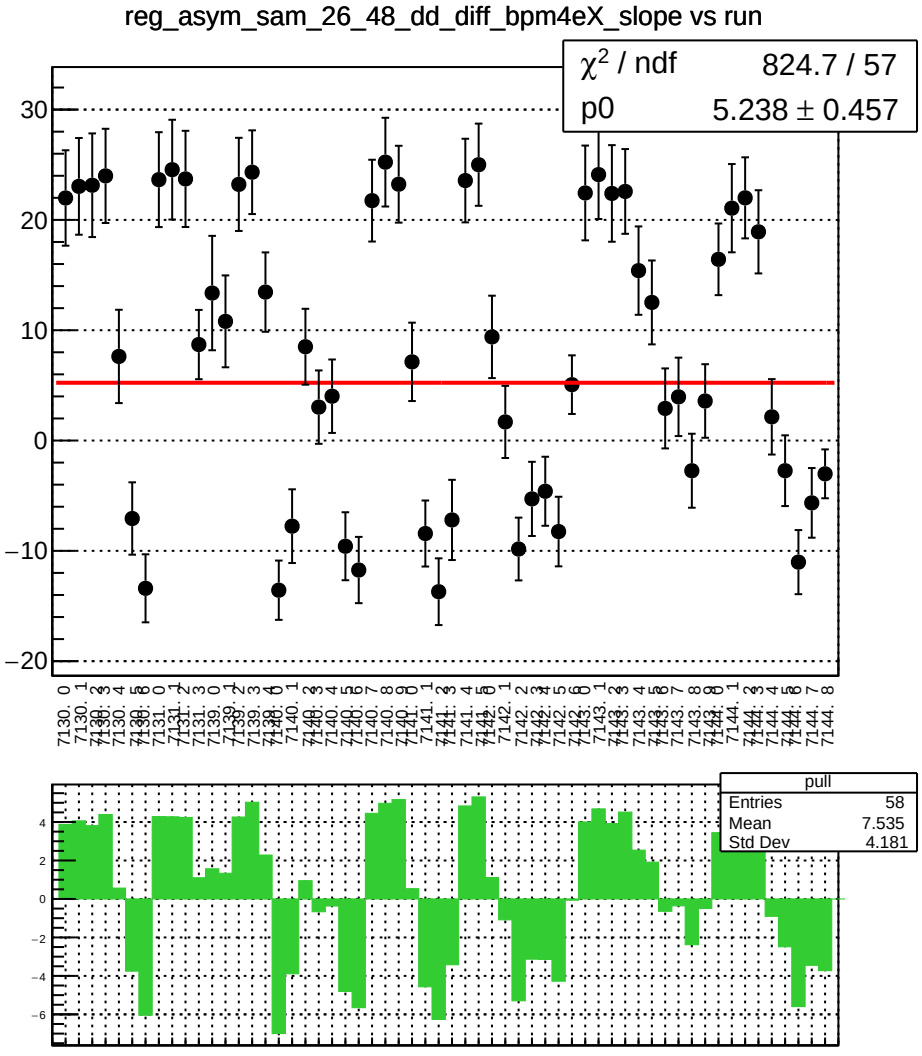

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.504 / 57
p0 0.1361± 0.03576
pull
Entries 58
Mean −273.3
Std Dev 303.2

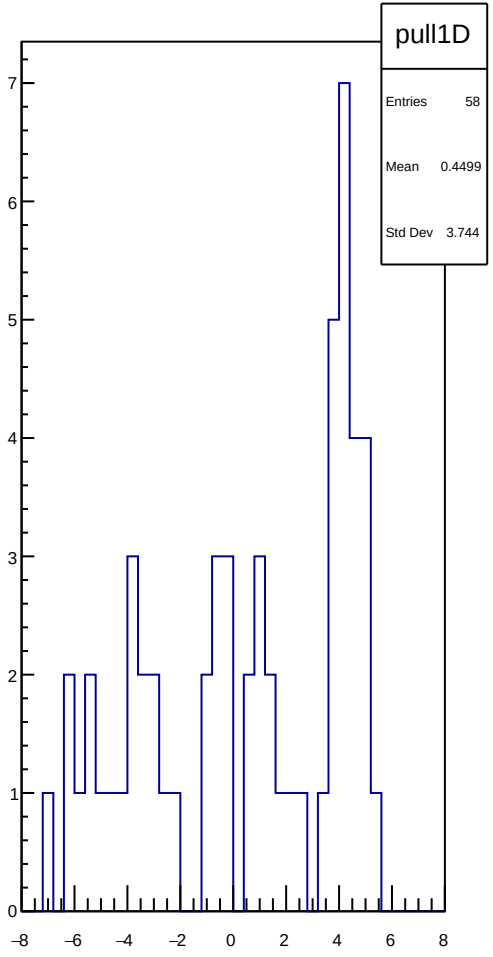

pull1D
Entries 58
Mean 0.003132
Std Dev 0.2078

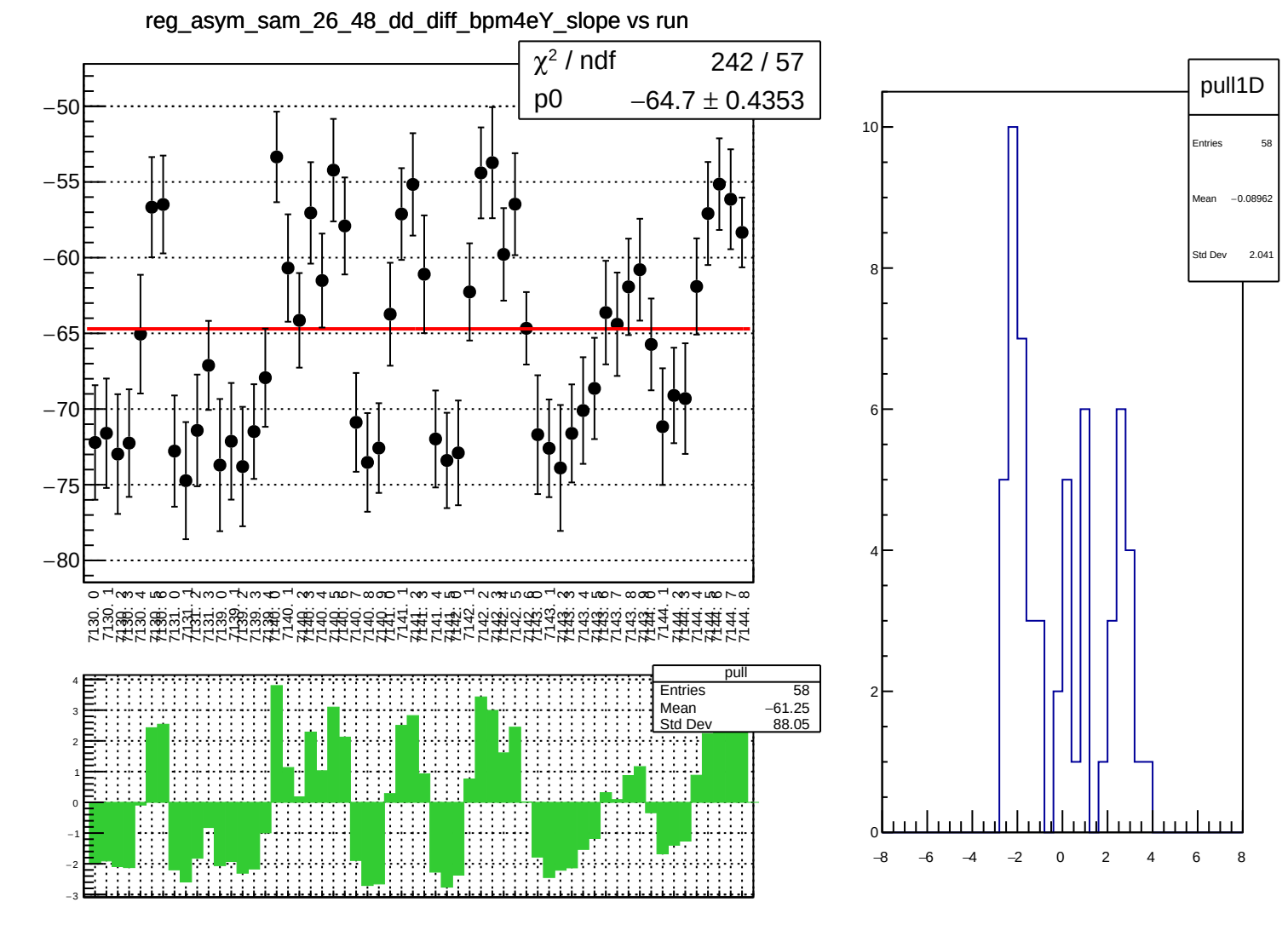

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 907.1 / 57
p0 19.75 ± 0.4487
pull
Entries 58
Mean 12.61
Std Dev 10.91
pull1D
Entries 58
Mean −0.4356
Std Dev 3.931

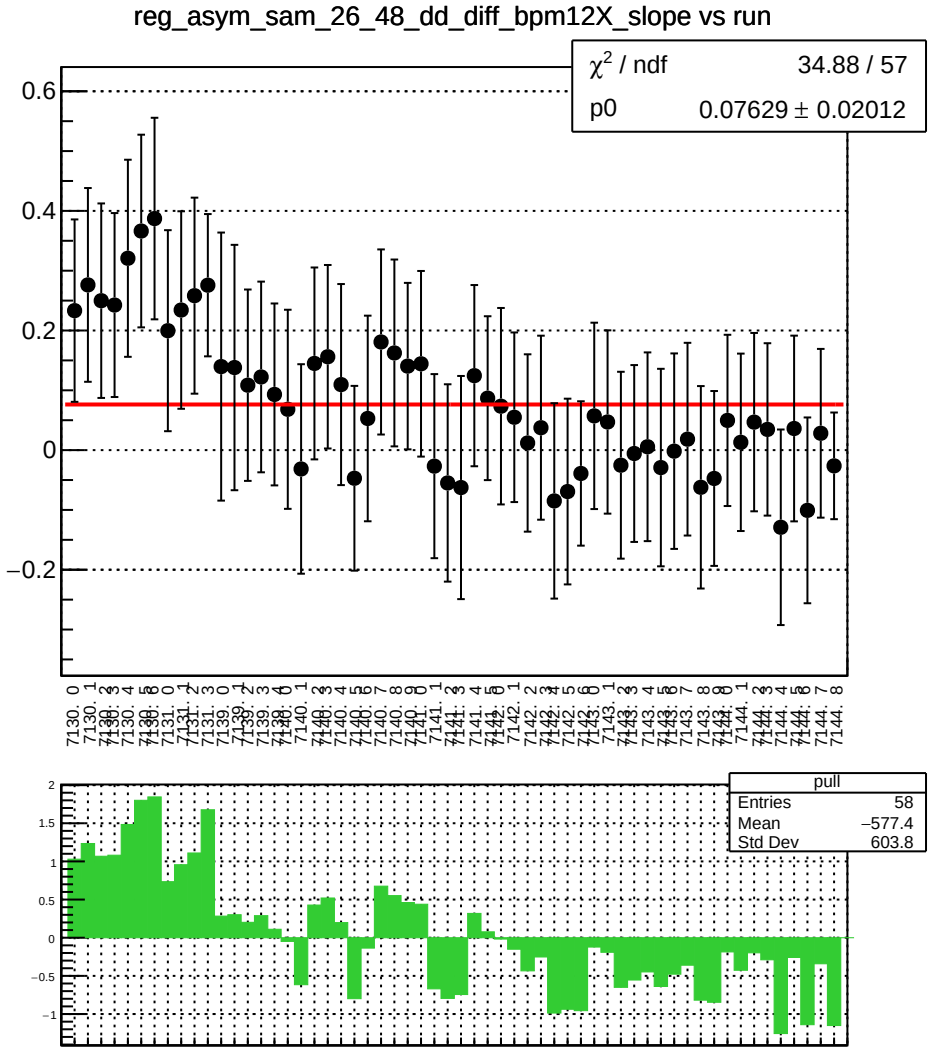

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 331.4 / 57
p0 1.063 ± 0.4065
pull
Entries 58
Mean −112
Std Dev 137.8

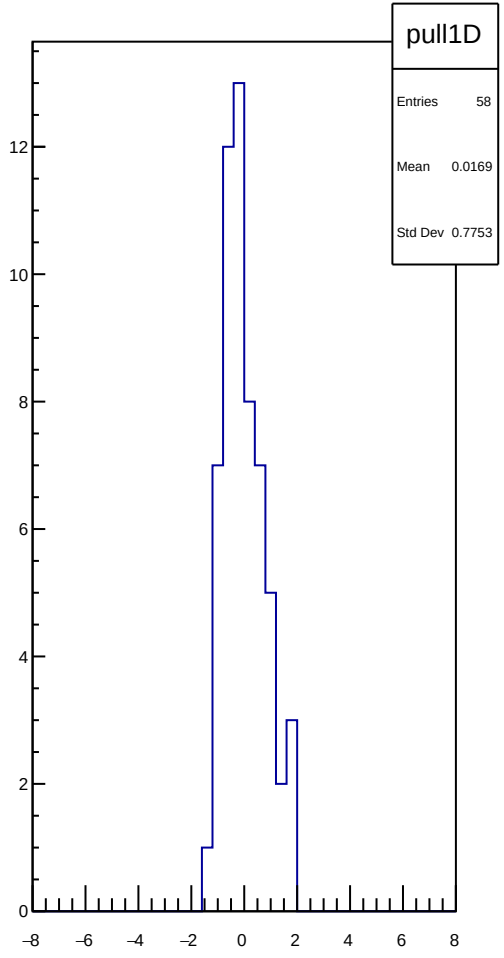

pull1D
Entries 58
Mean 0.05458
Std Dev 2.39

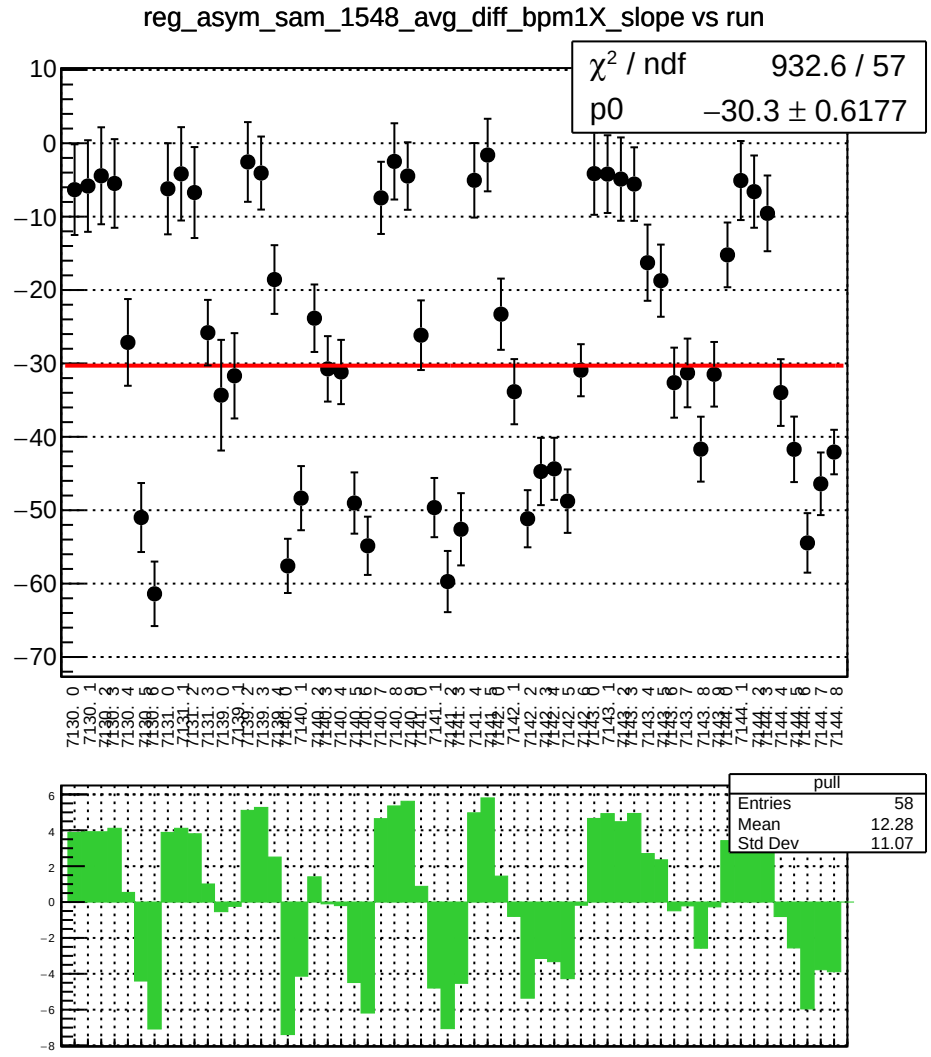

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 824.7 / 57
p0 5.238 ± 0.457
pull
Entries 58
Mean 7.535
Std Dev 4.181

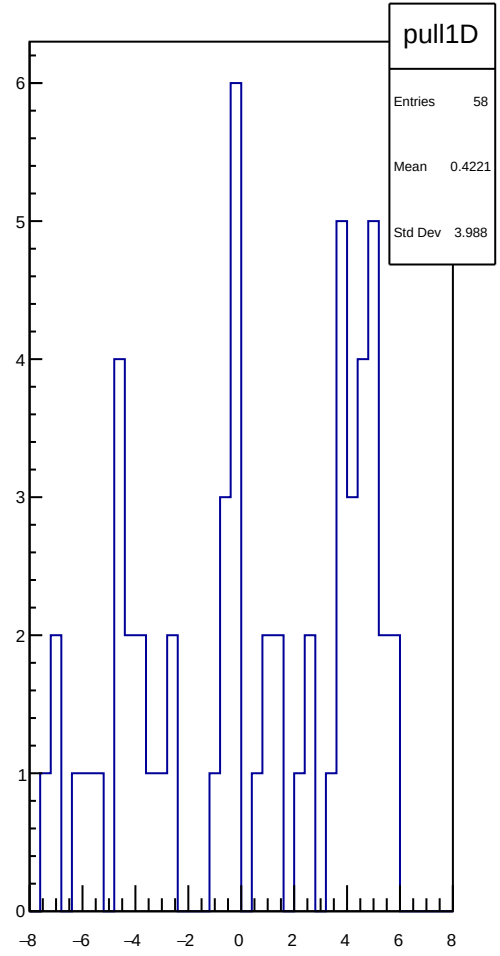

pull1D
Entries 58
Mean 0.4499
Std Dev 3.744


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 242 / 57
p0 −64.7 ± 0.4353
pull
Entries 58
Mean −61.25
Std Dev 88.05
pull1D
Entries 58
Mean −0.08962
Std Dev 2.041

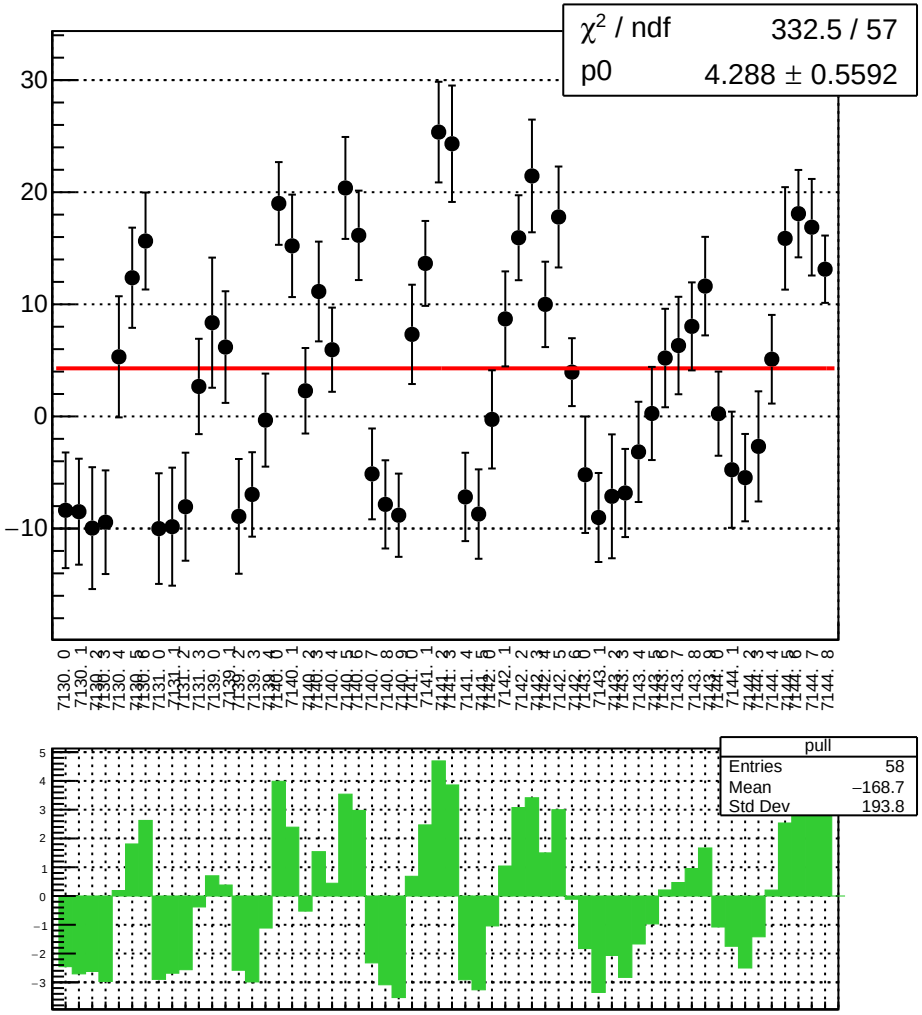

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 34.88 / 57
p0 0.07629 ± 0.02012
pull
Entries 58
Mean −577.4
Std Dev 603.8

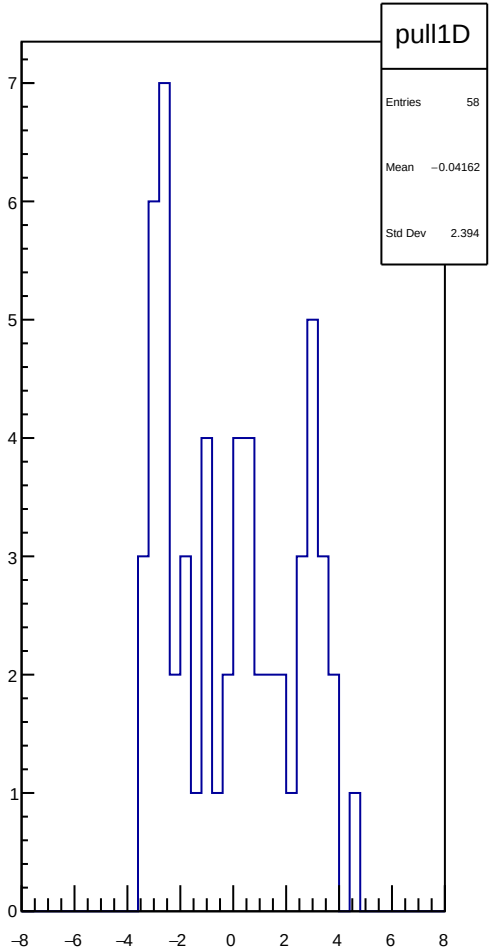

pull1D
Entries 58
Mean 0.0169
Std Dev 0.7753

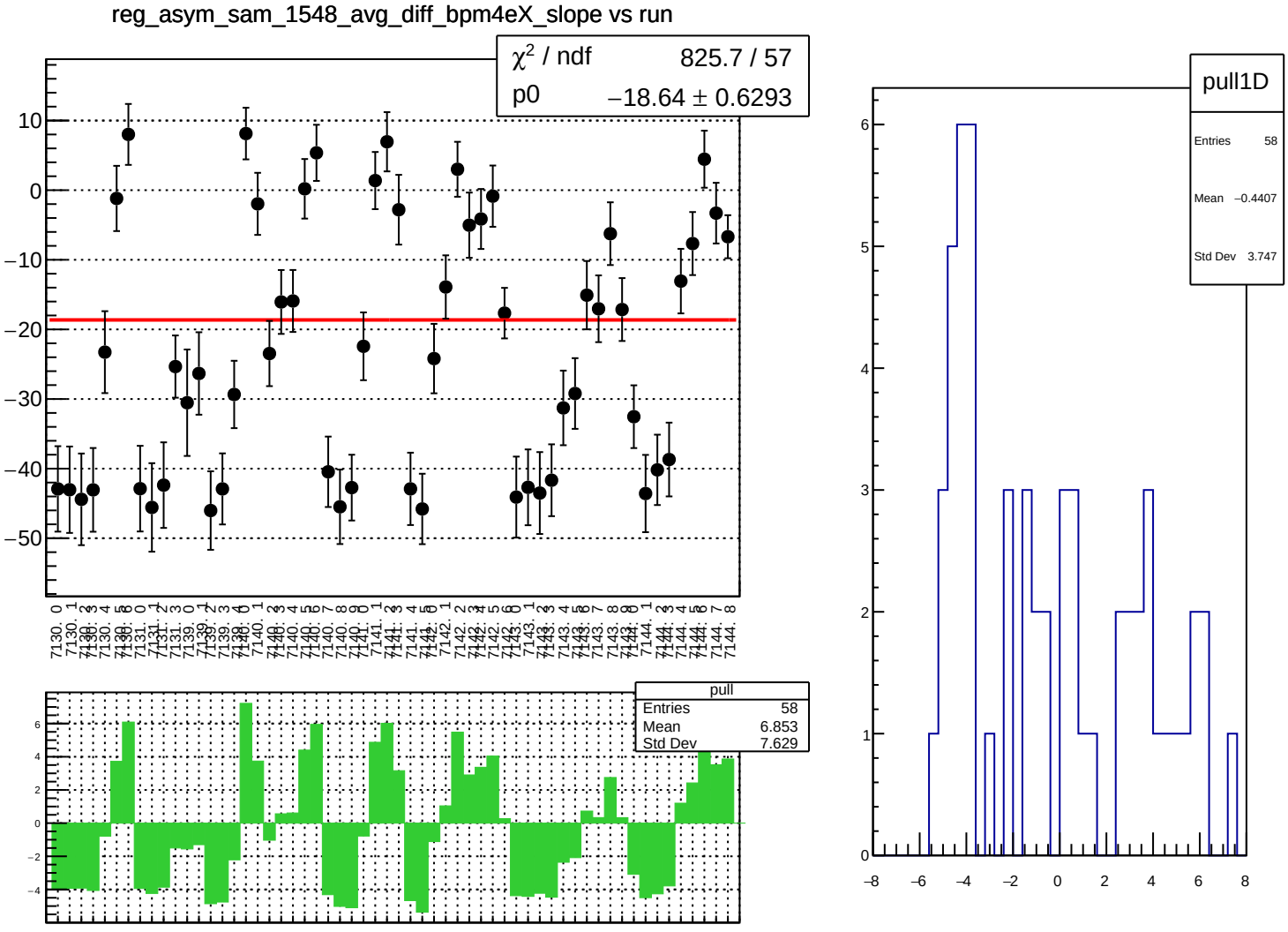

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 932.6 / 57
p0 −30.3 ± 0.6177
pull
Entries 58
Mean 12.28
Std Dev 11.07

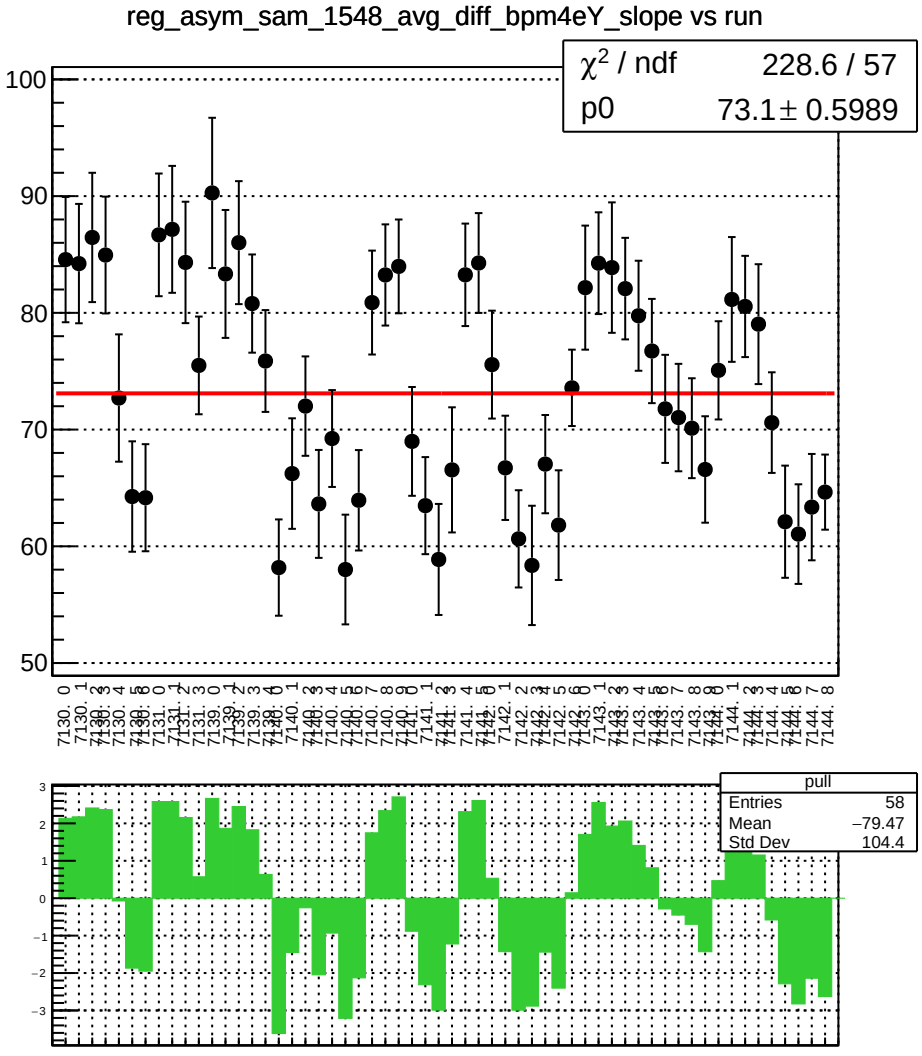

pull1D
Entries 58
Mean 0.4221
Std Dev 3.988

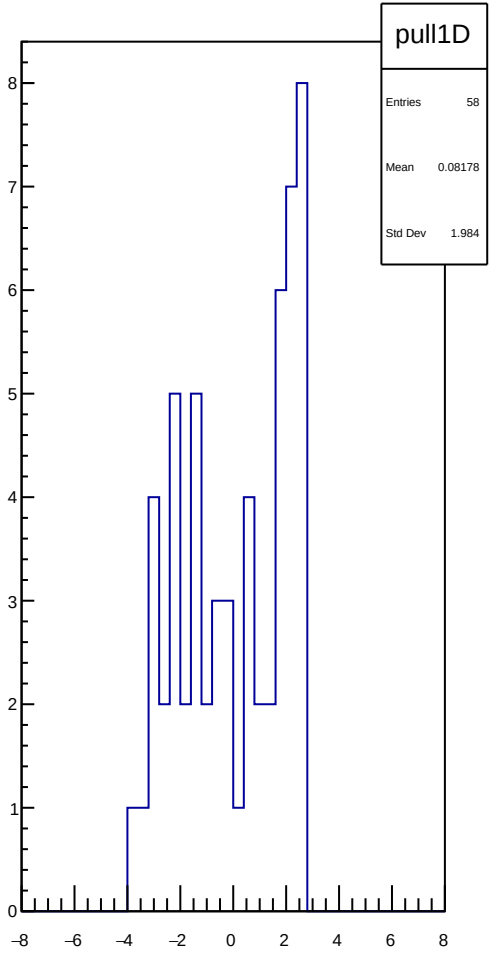
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run

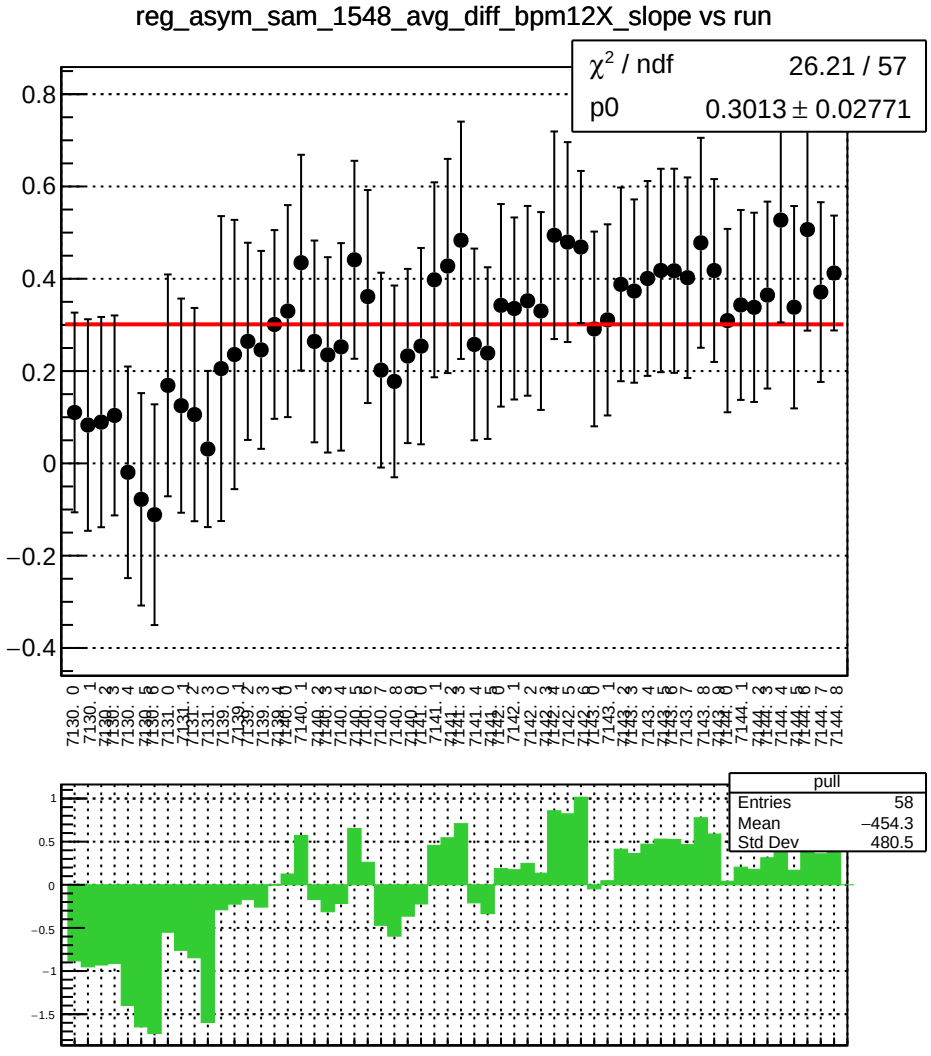


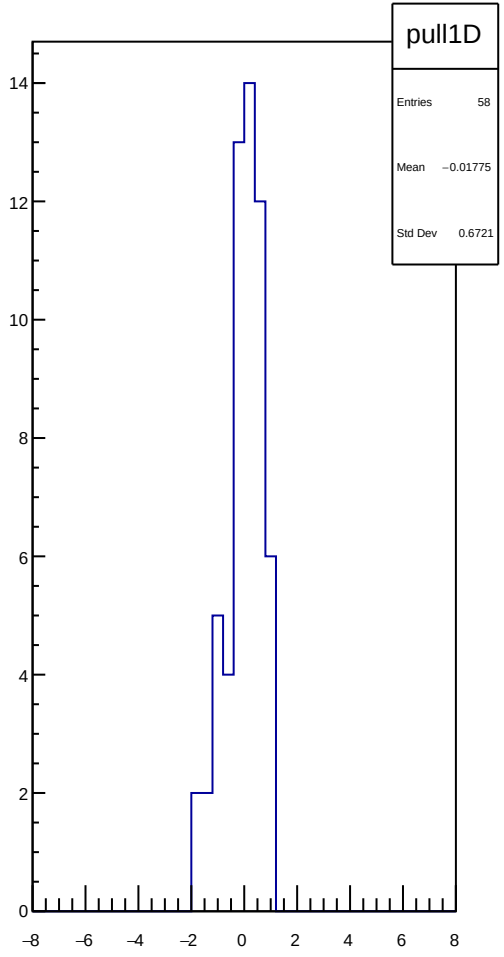


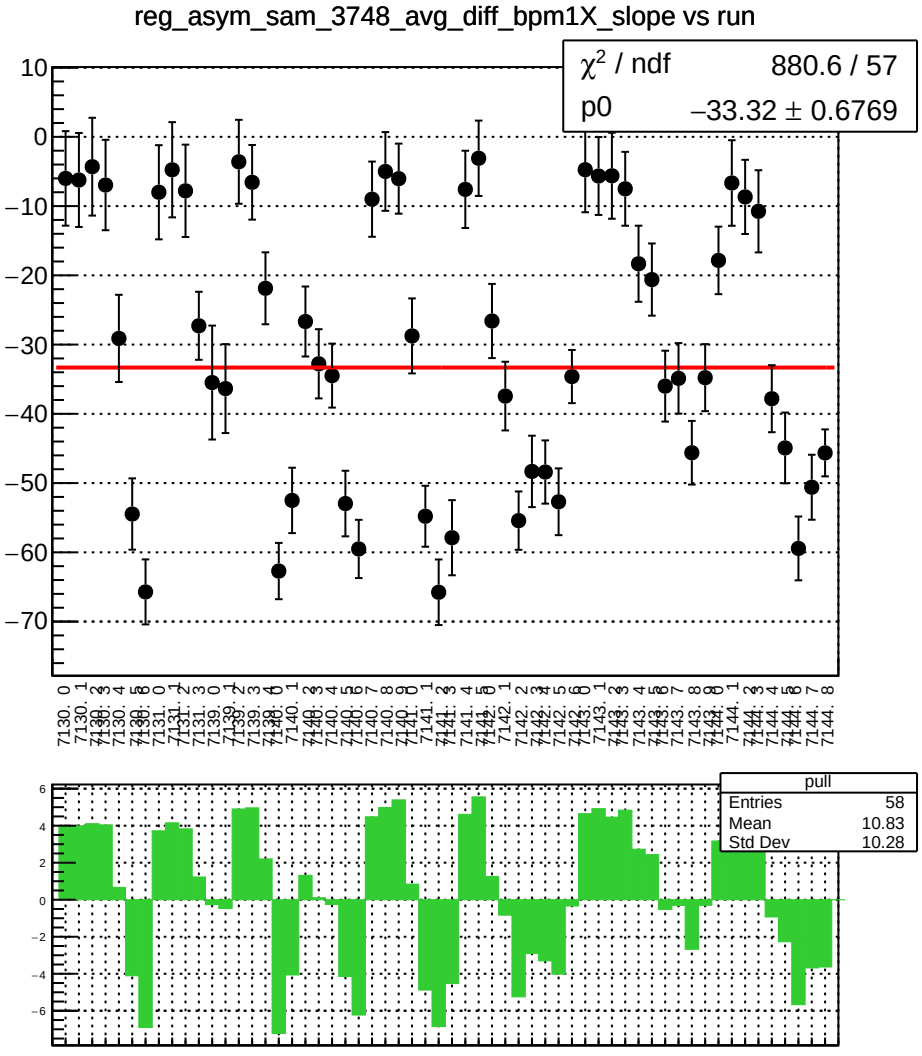

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 825.7 / 57
p0 −18.64 ± 0.6293
pull
Entries 58
Mean 6.853
Std Dev 7.629
pull1D
Entries 58
Mean −0.4407
Std Dev 3.747

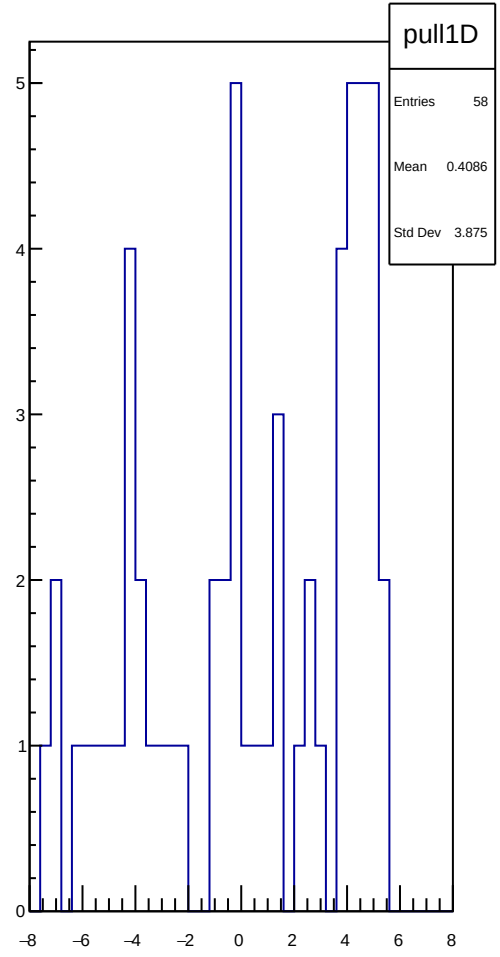

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 228.6 / 57
p0 73.1 ± 0.5989
pull
Entries 58
Mean −79.47
Std Dev 104.4

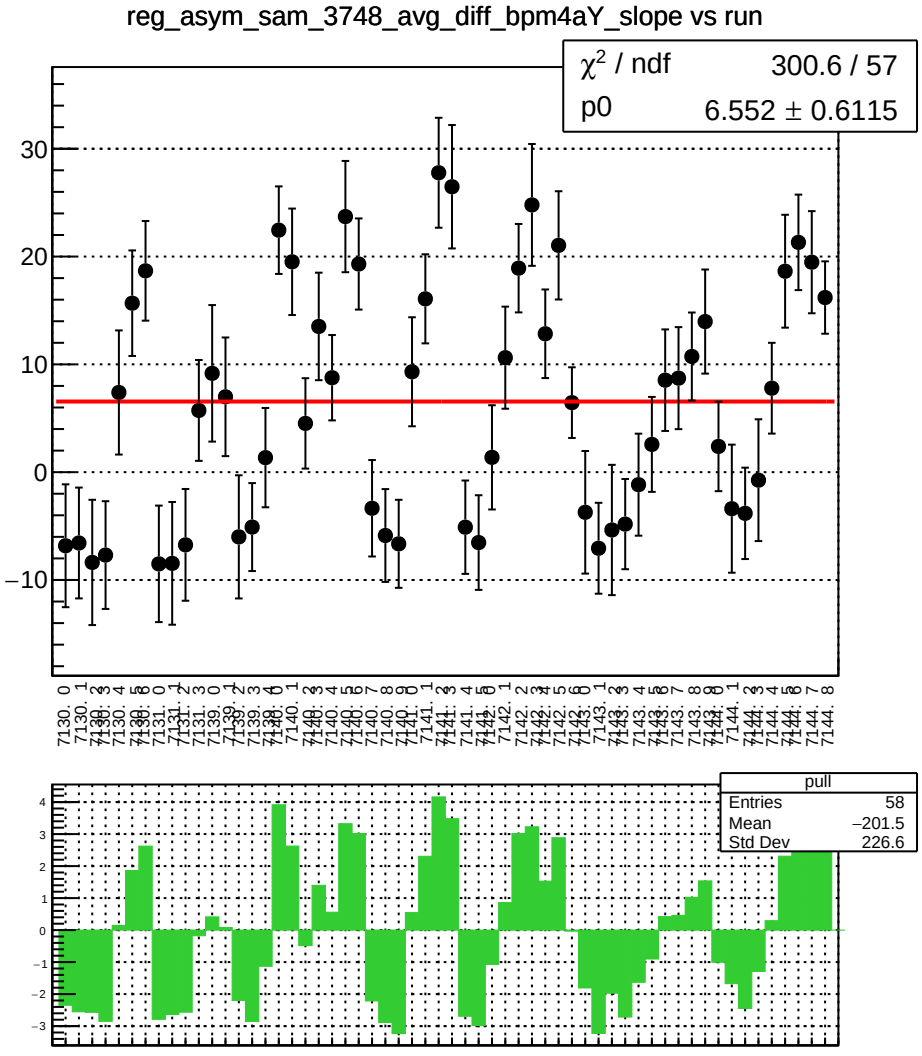

pull1D
Entries 58
Mean 0.08178
Std Dev 1.984

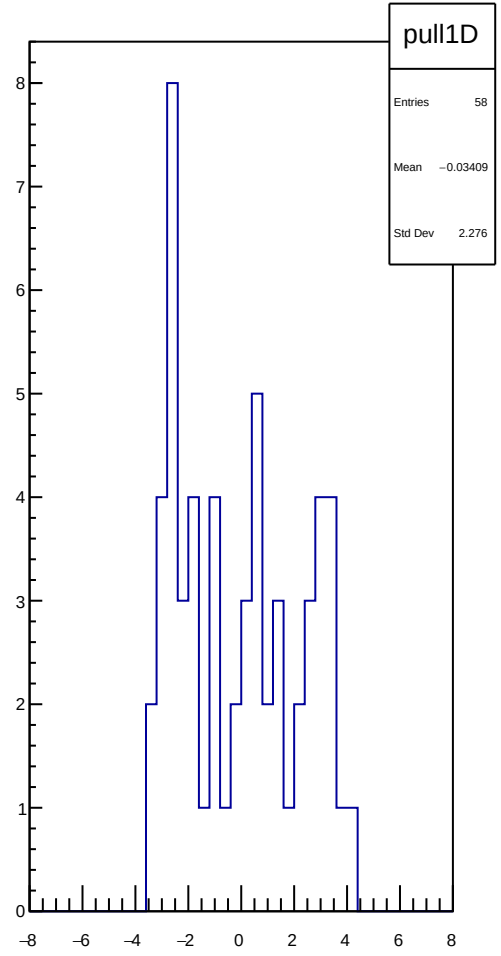

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 26.21 / 57
p0 0.3013 ± 0.02771
pull
Entries 58
Mean −454.3
Std Dev 480.5

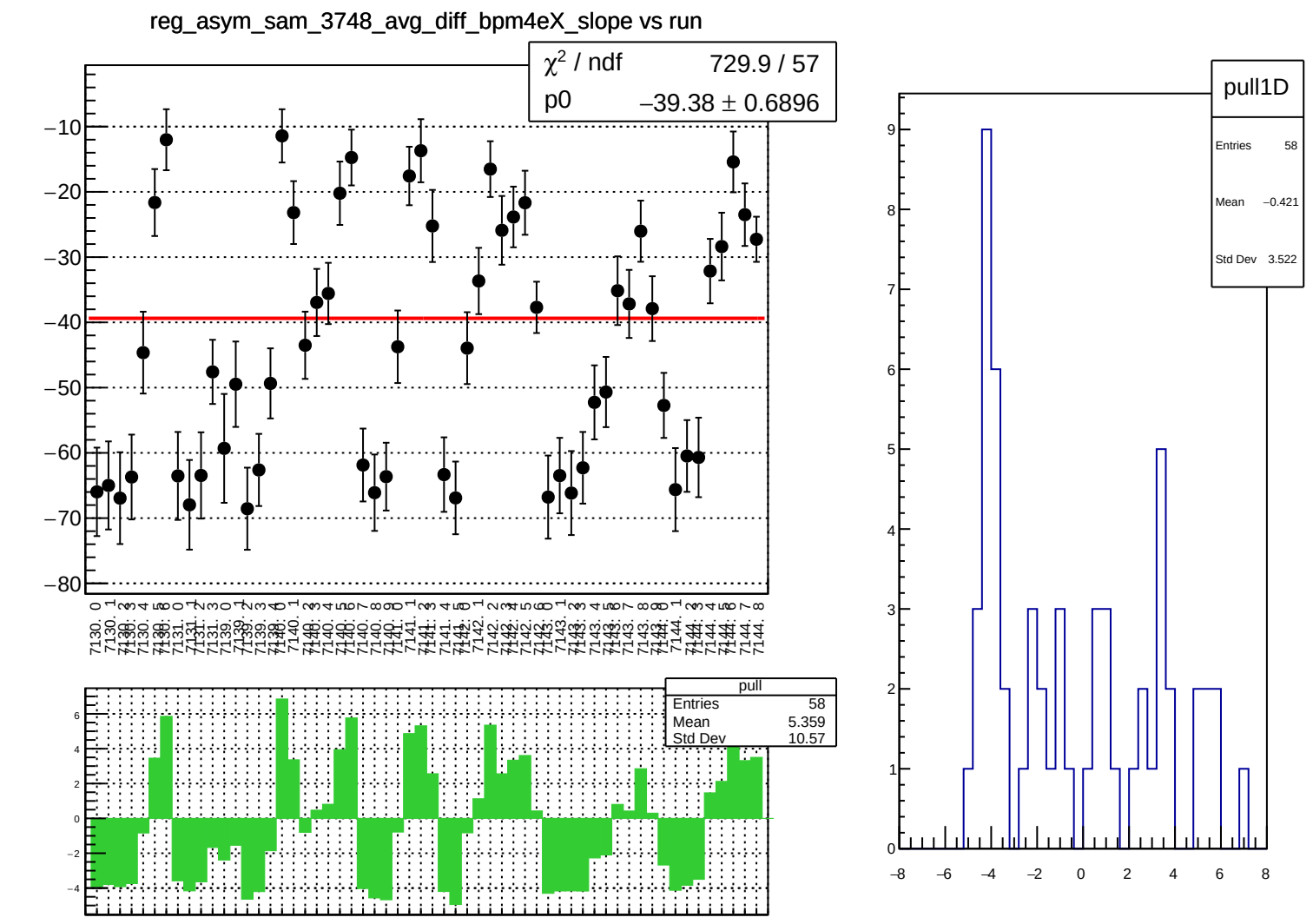

pull1D
Entries 58
Mean −0.01775
Std Dev 0.6721

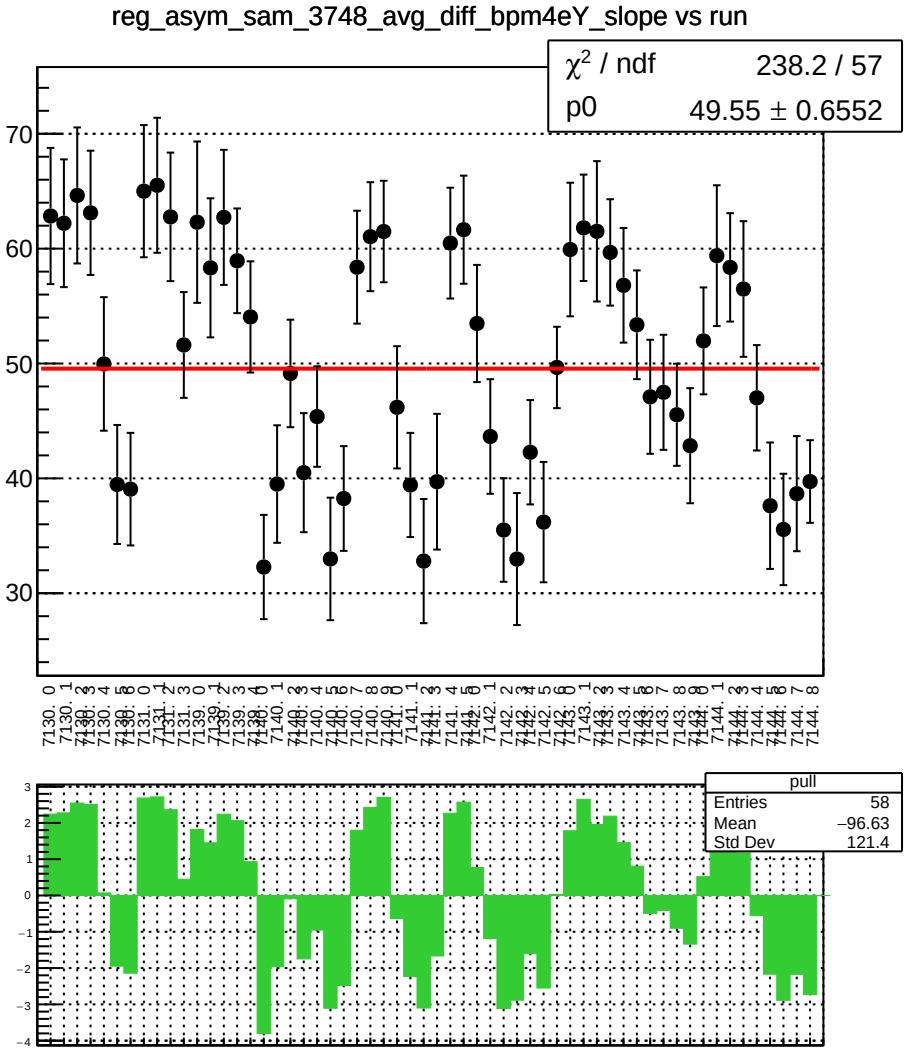

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 880.6 / 57
p0 −33.32 ± 0.6769
pull
Entries 58
Mean 10.83
Std Dev 10.28

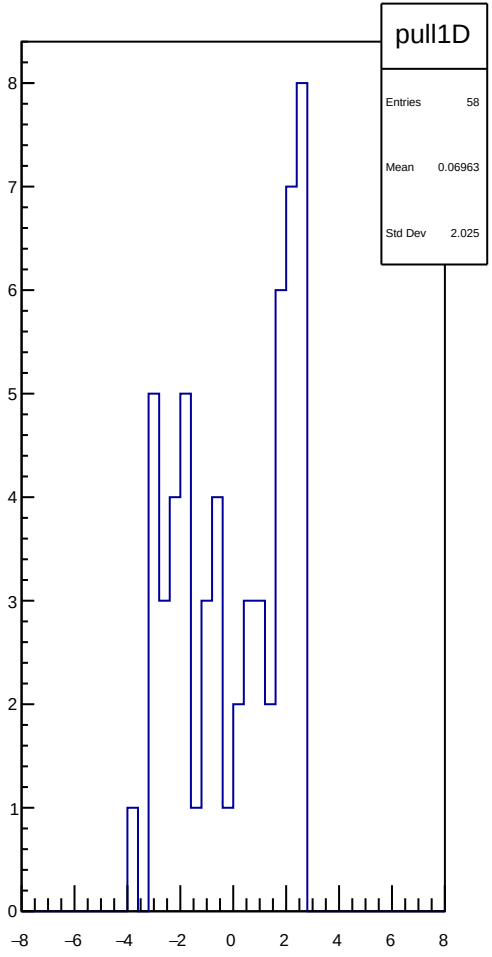

pull1D
Entries 58
Mean 0.4086
Std Dev 3.875

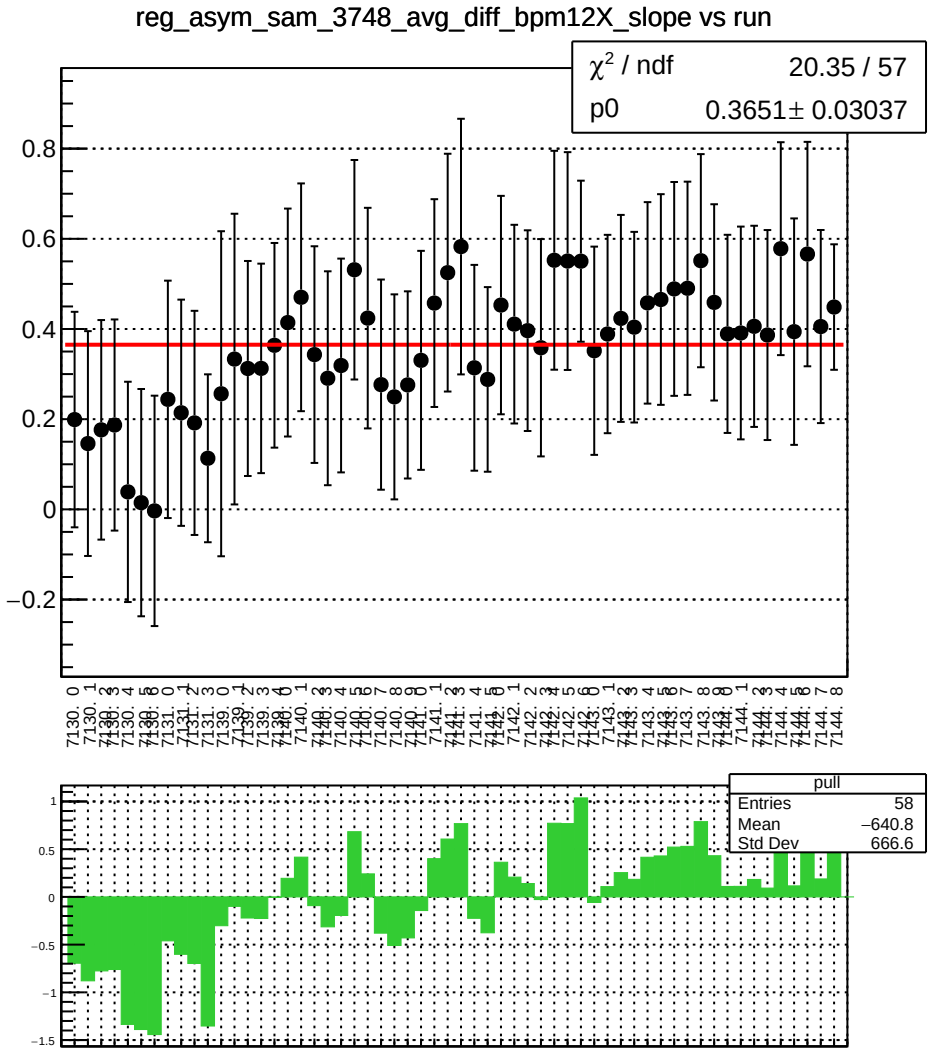

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 300.6 / 57
p0 6.552 ± 0.6115
pull
Entries 58
Mean −201.5
Std Dev 226.6

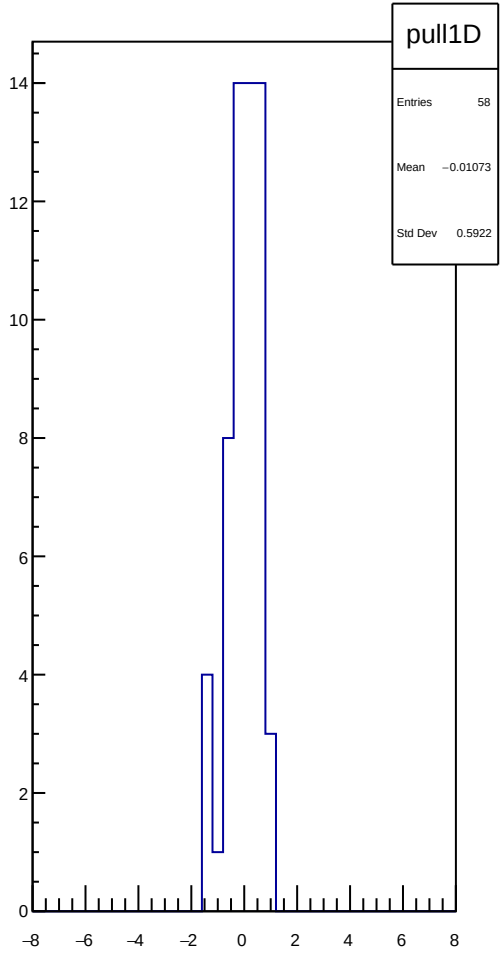

pull1D
Entries 58
Mean −0.03409
Std Dev 2.276

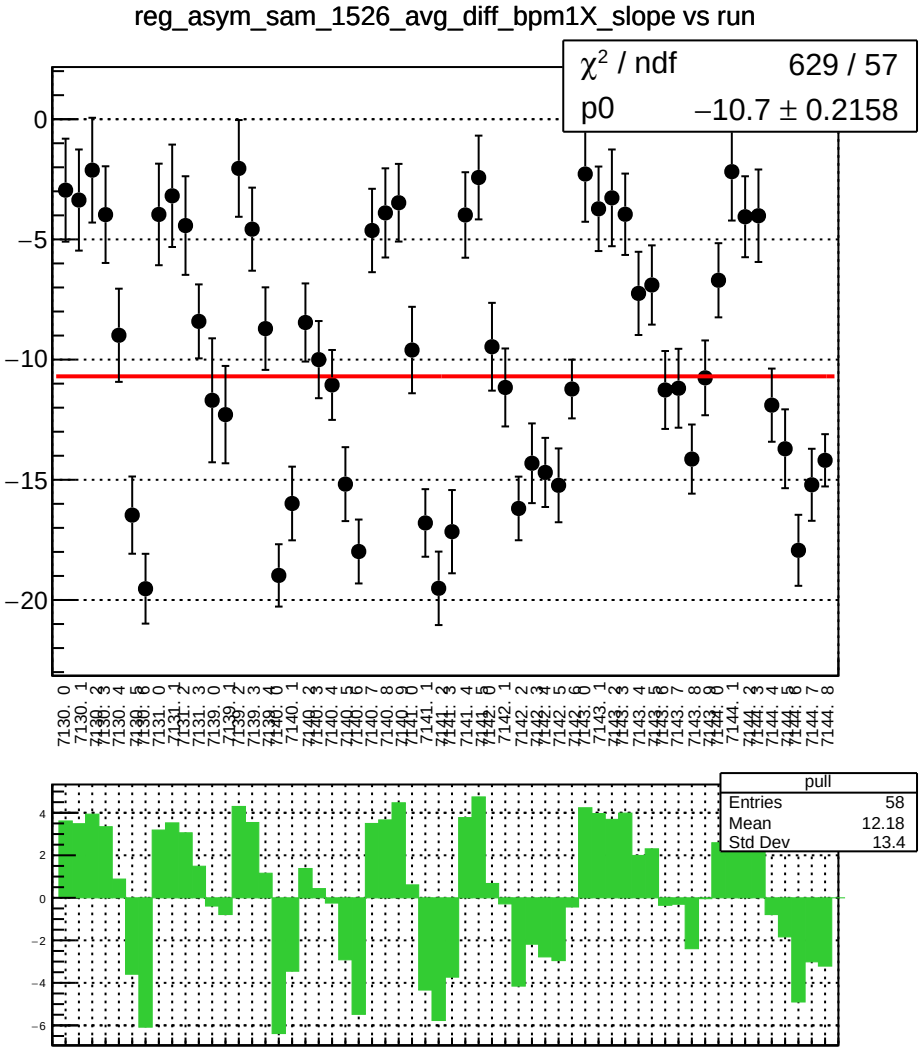

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 729.9 / 57
p0 −39.38 ± 0.6896
pull
Entries 58
Mean 5.359
Std Dev 10.57
pull1D
Entries 58
Mean −0.421
Std Dev 3.522

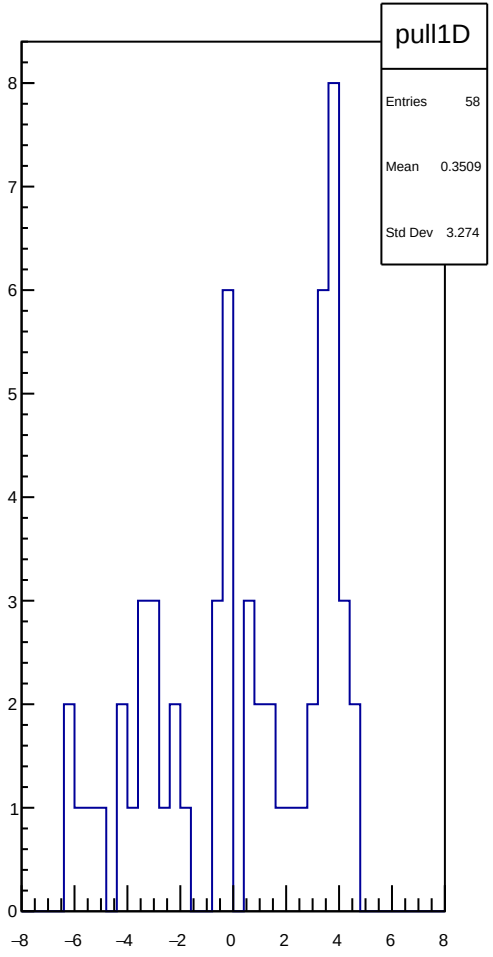

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 238.2 / 57
p0 49.55 ± 0.6552
pull
Entries 58
Mean −96.63
Std Dev 121.4

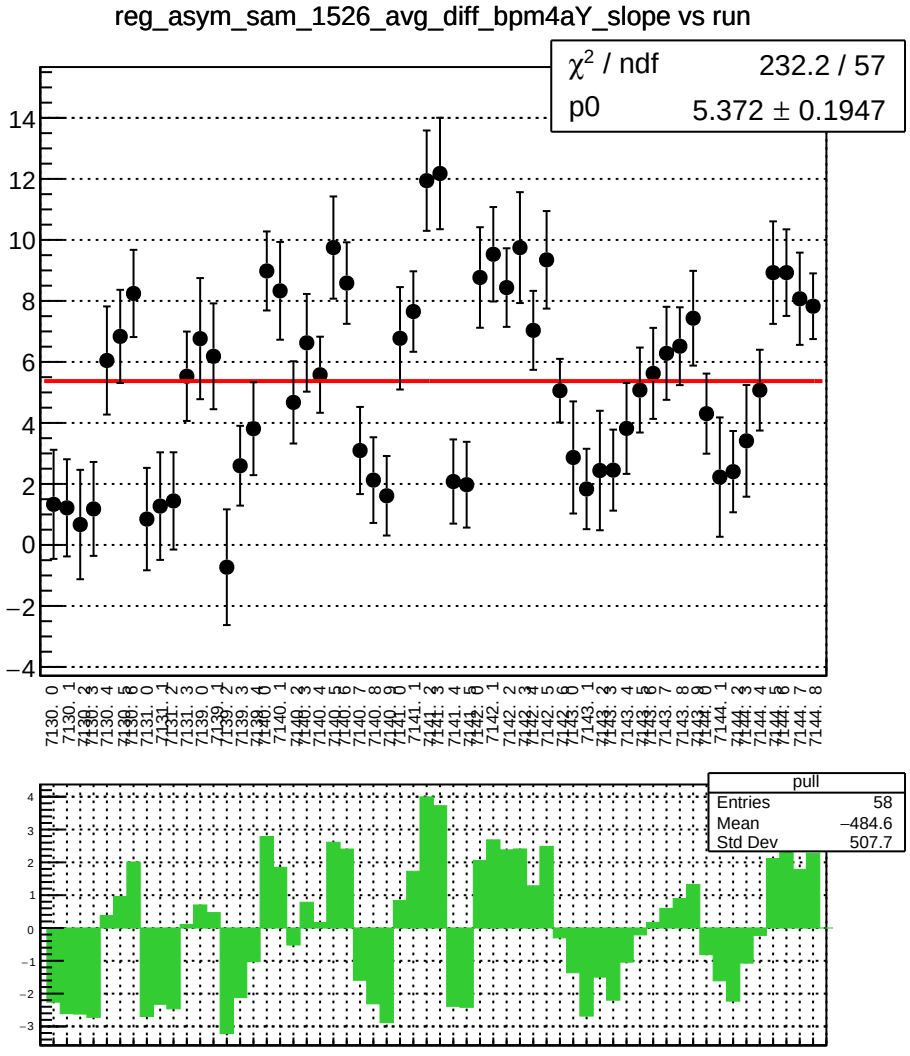

pull1D
Entries 58
Mean 0.06963
Std Dev 2.025

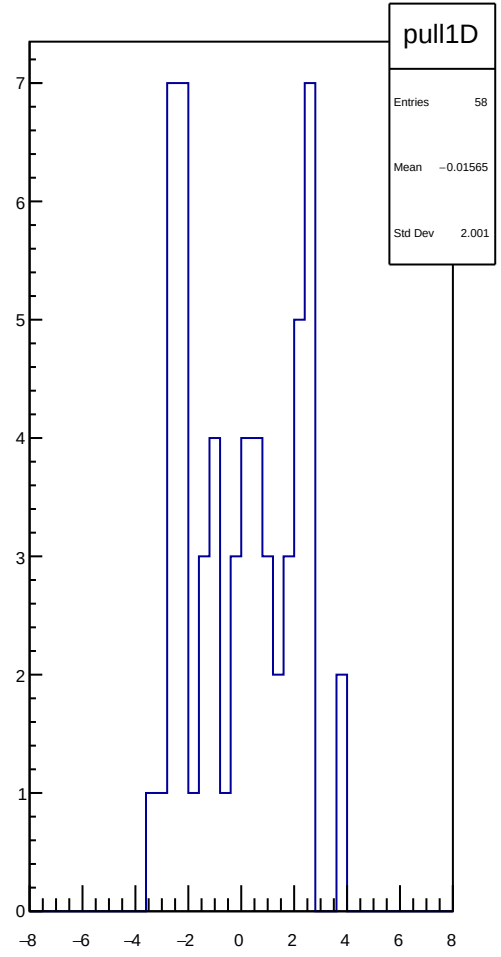

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 20.35 / 57
p0 0.3651± 0.03037
pull
Entries 58
Mean −640.8
Std Dev 666.6


pull1D
Entries 58
Mean −0.01073
Std Dev 0.5922

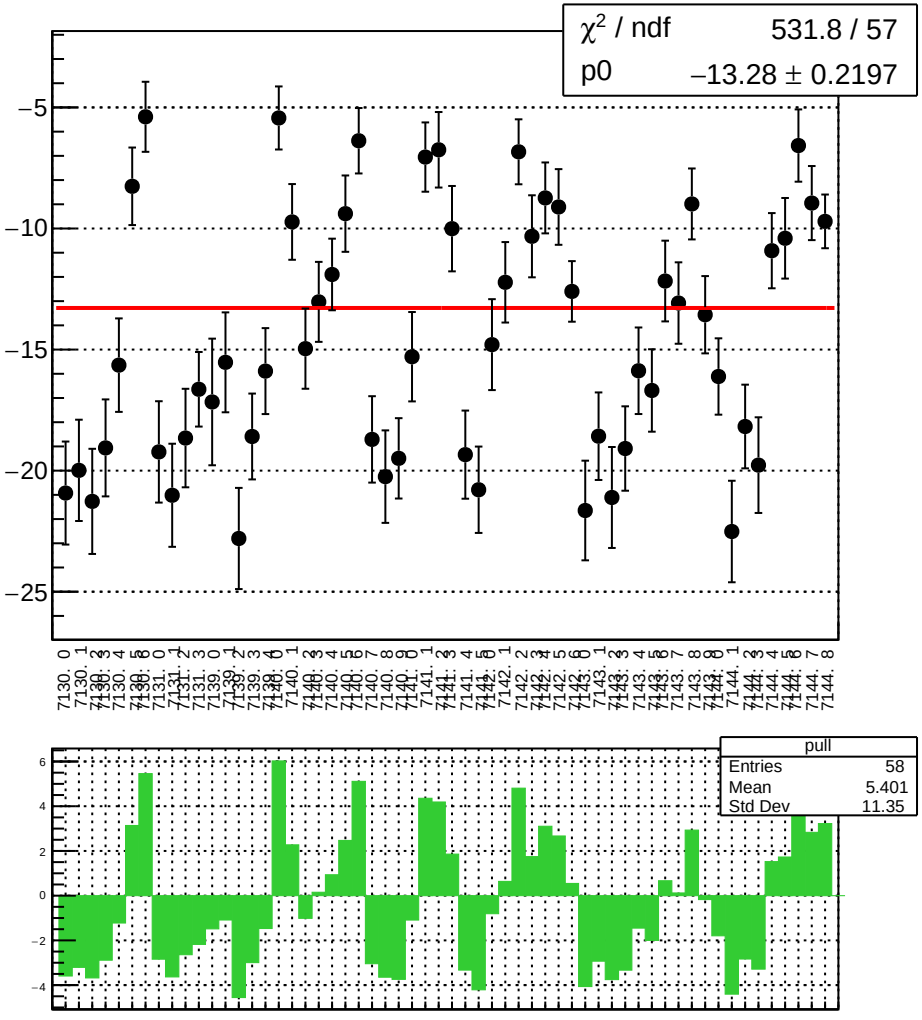

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 629 / 57
p0 −10.7 ± 0.2158
pull
Entries 58
Mean 12.18
Std Dev 13.4

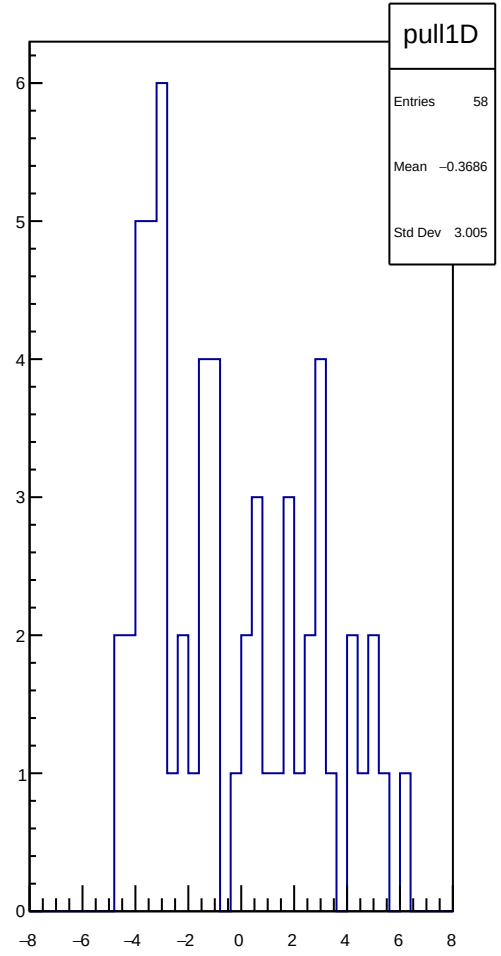

pull1D
Entries 58
Mean 0.3509
Std Dev 3.274

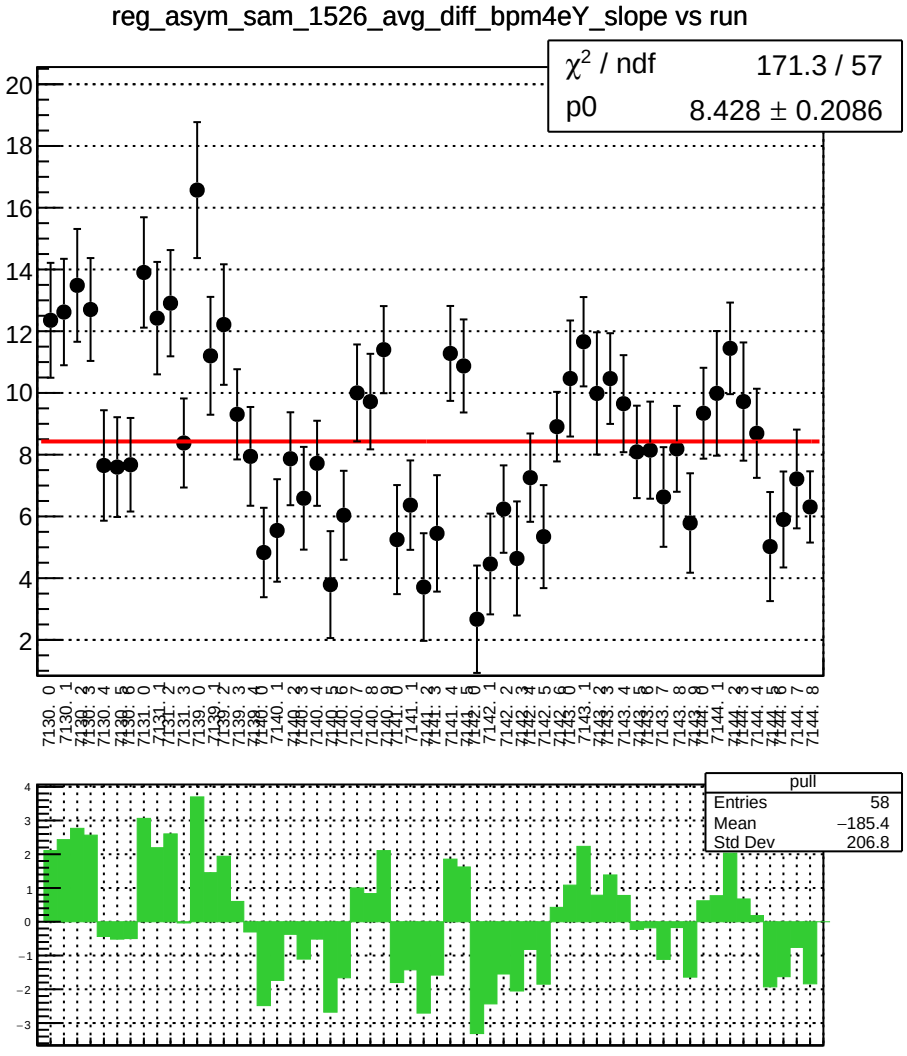

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 232.2 / 57
p0 5.372 ± 0.1947
pull
Entries 58
Mean −484.6
Std Dev 507.7

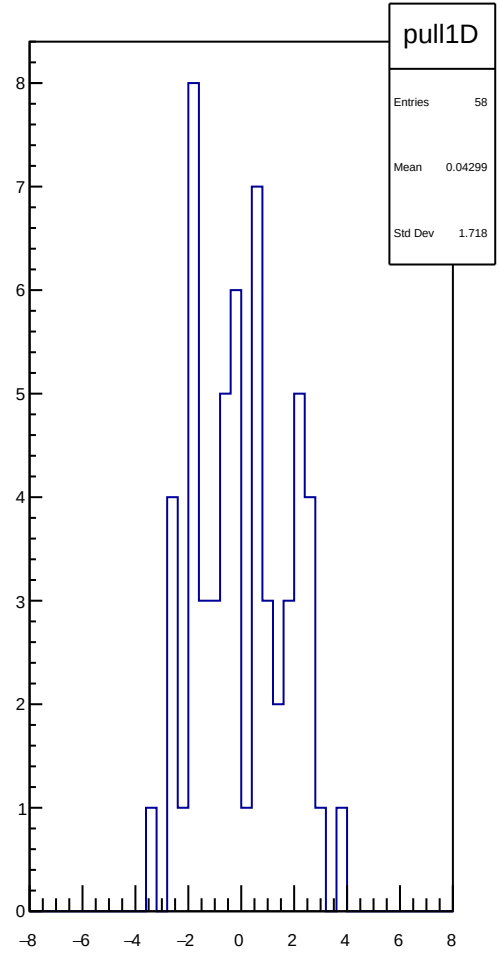

pull1D
Entries 58
Mean −0.01565
Std Dev 2.001

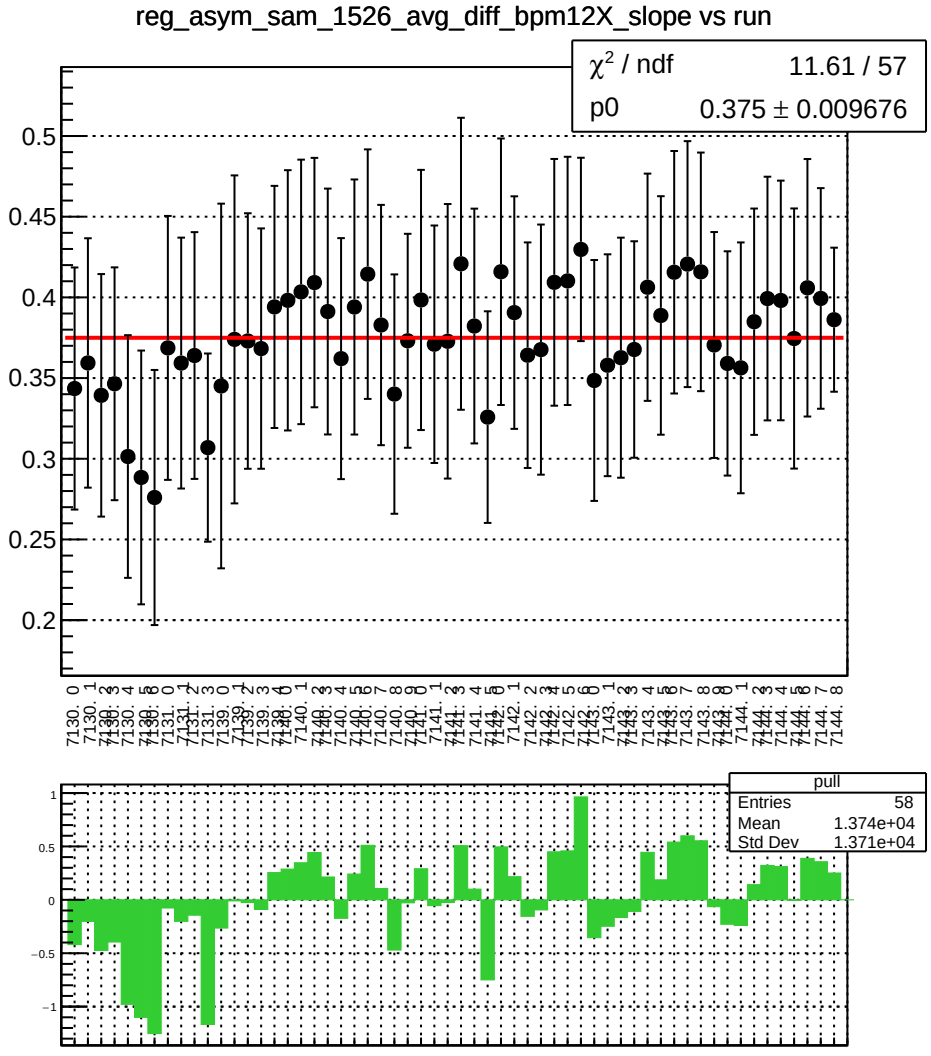
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run

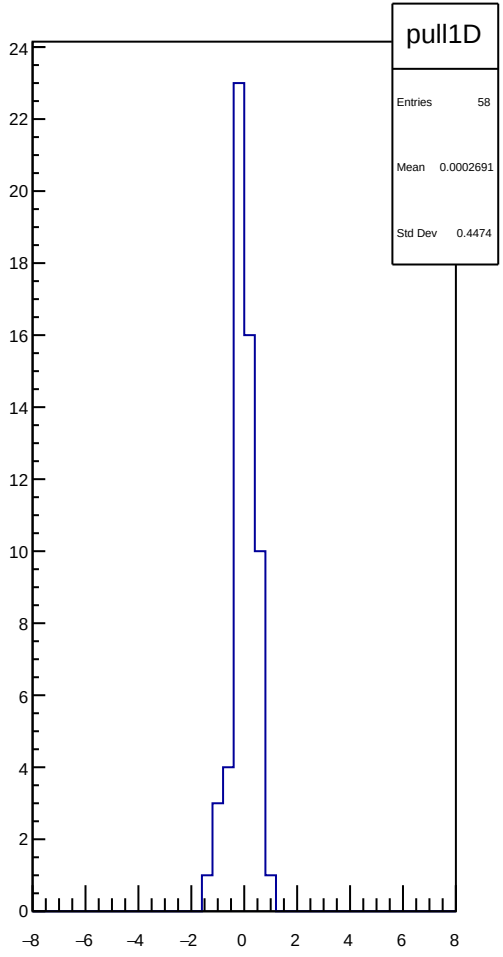


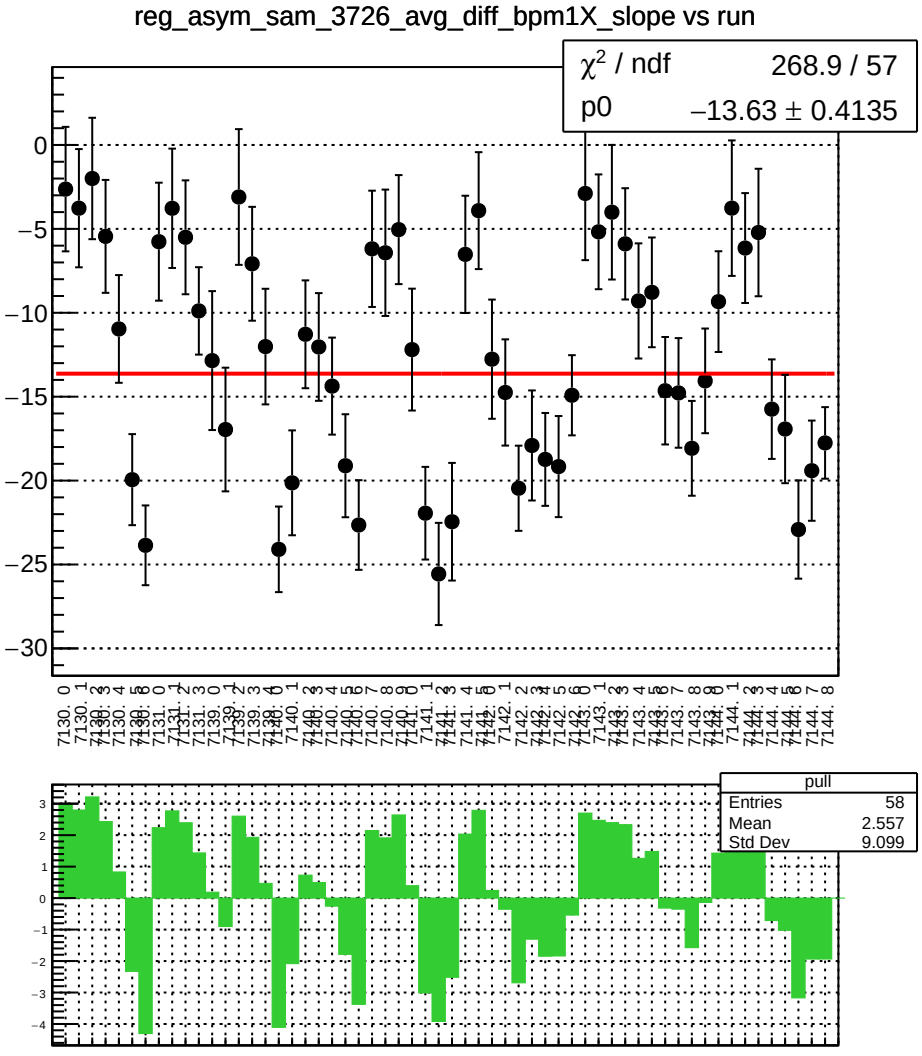


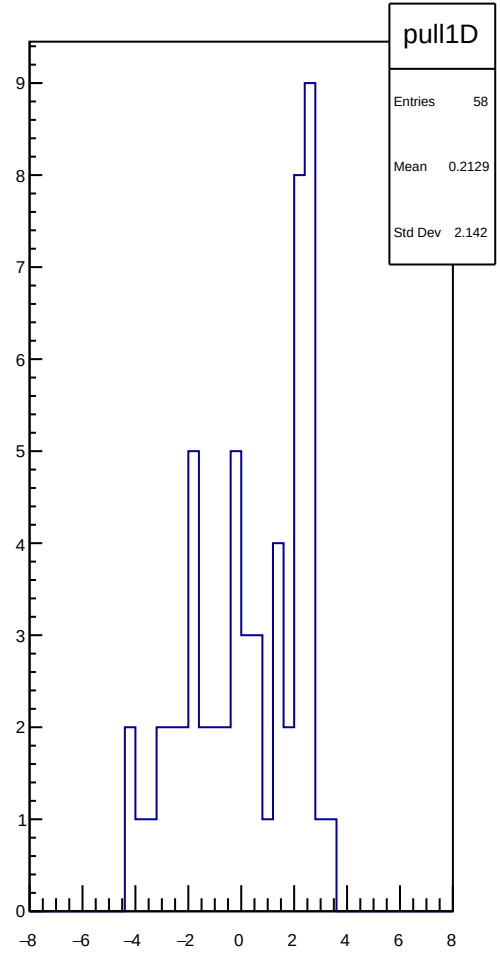

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 171.3 / 57
p0 8.428 ± 0.2086
pull
Entries 58
Mean −185.4
Std Dev 206.8

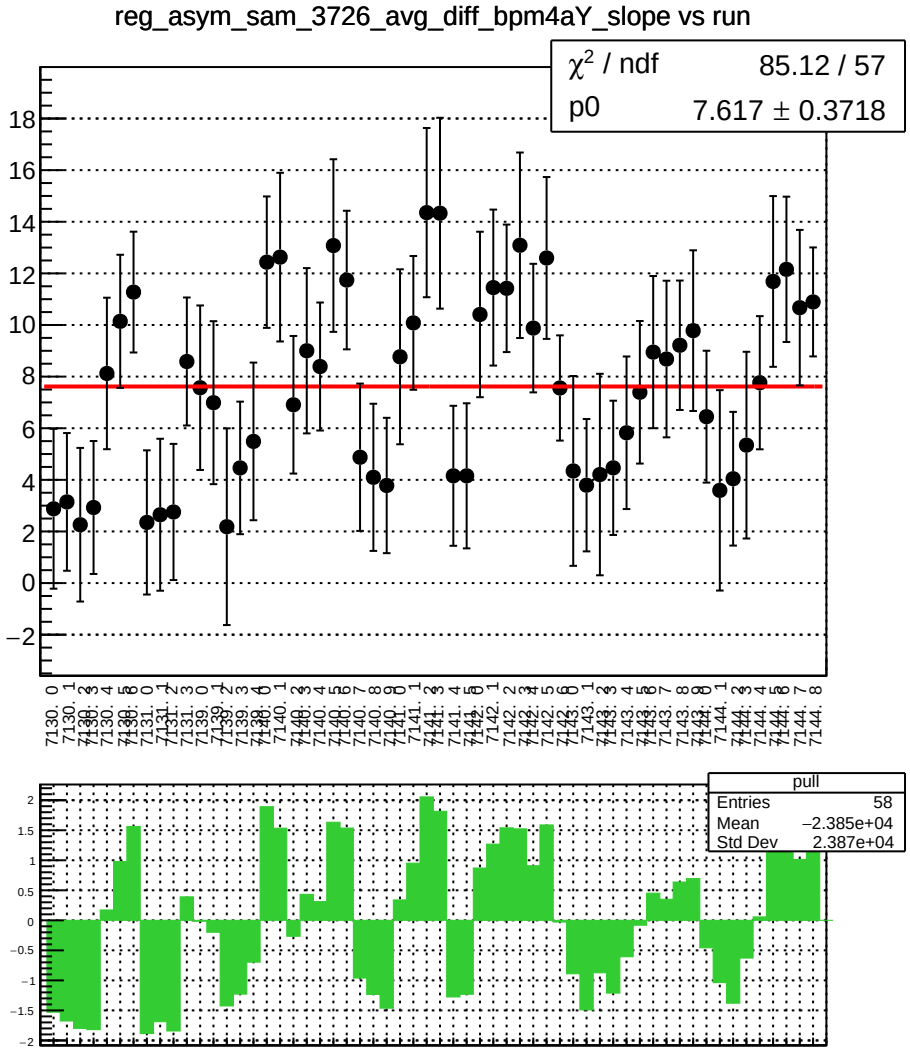

pull1D
Entries 58
Mean 0.04299
Std Dev 1.718

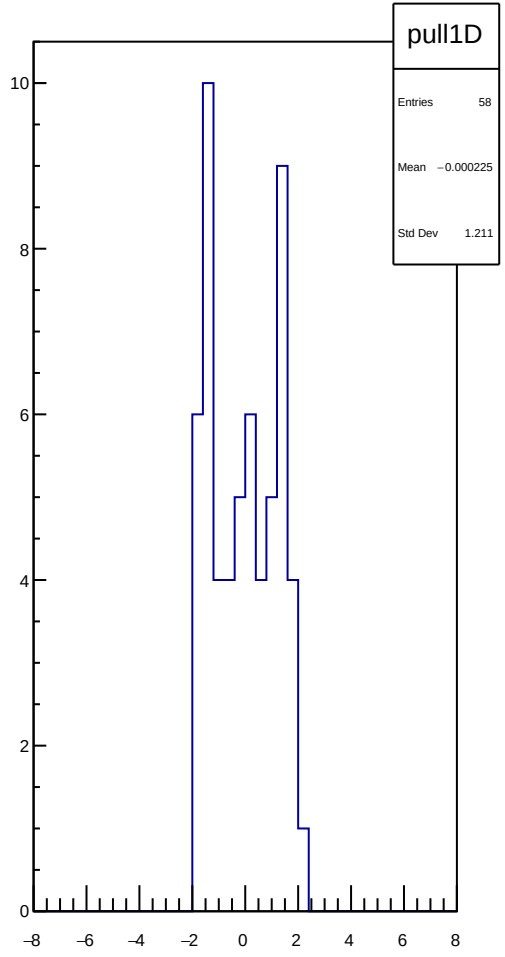

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 11.61 / 57
p0 0.375 ± 0.009676
pull
Entries 58
Mean 1.374e+04
Std Dev 1.371e+04

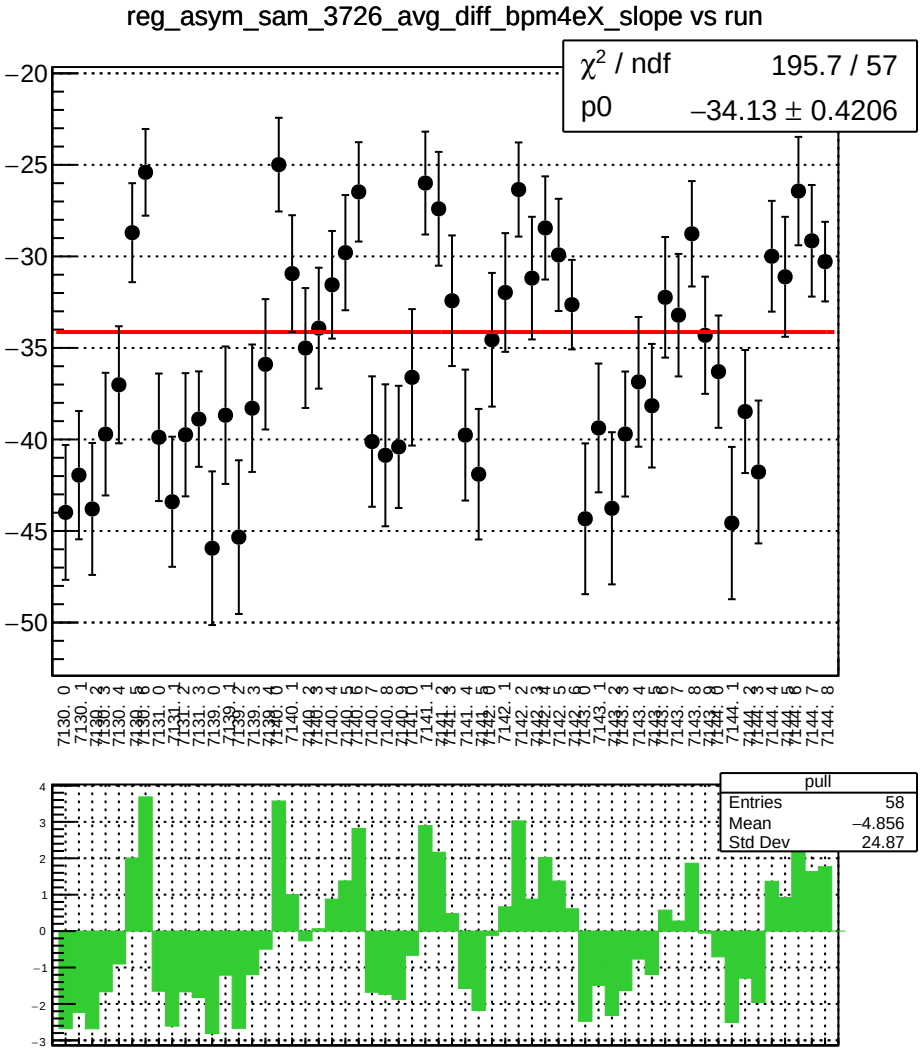

pull1D
Entries 58
Mean 0.0002691
Std Dev 0.4474

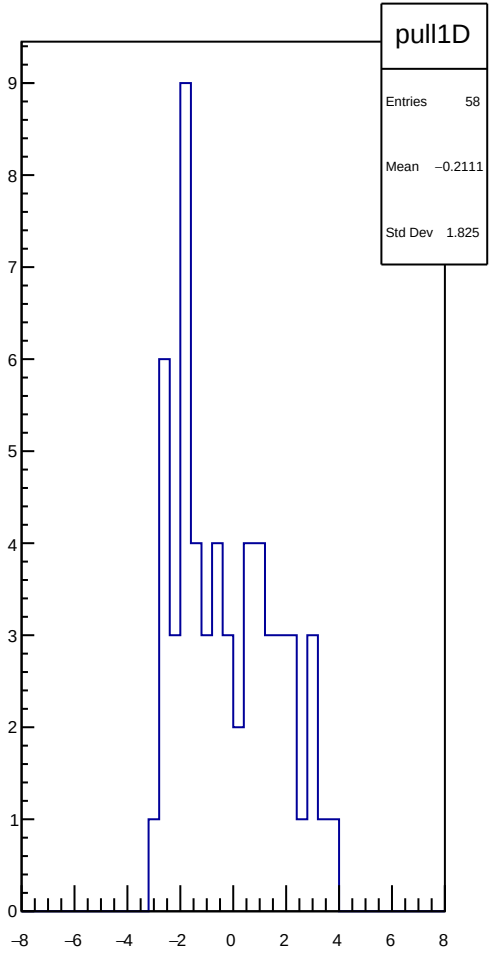

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 268.9 / 57
p0 −13.63 ± 0.4135
pull
Entries 58
Mean 2.557
Std Dev 9.099


pull1D
Entries 58
Mean 0.2129
Std Dev 2.142

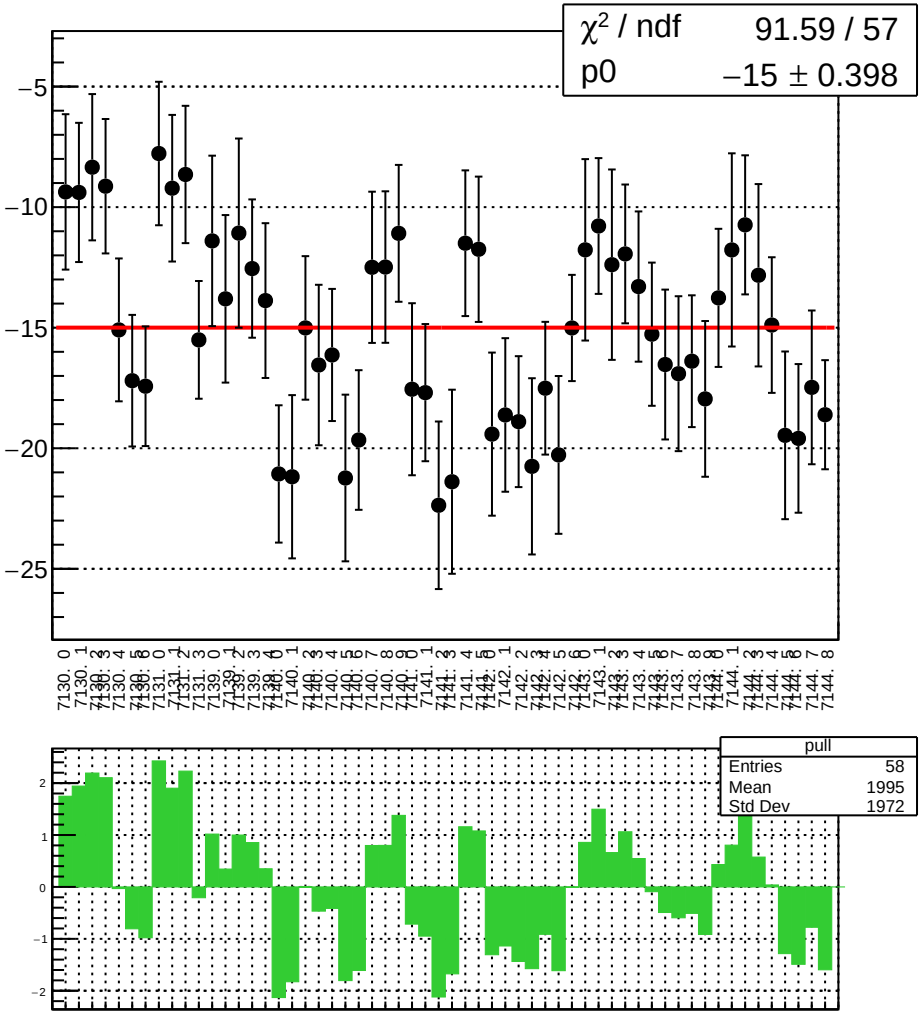

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 85.12 / 57
p0 7.617 ± 0.3718
pull
Entries 58
Mean −2.385e+04
Std Dev 2.387e+04

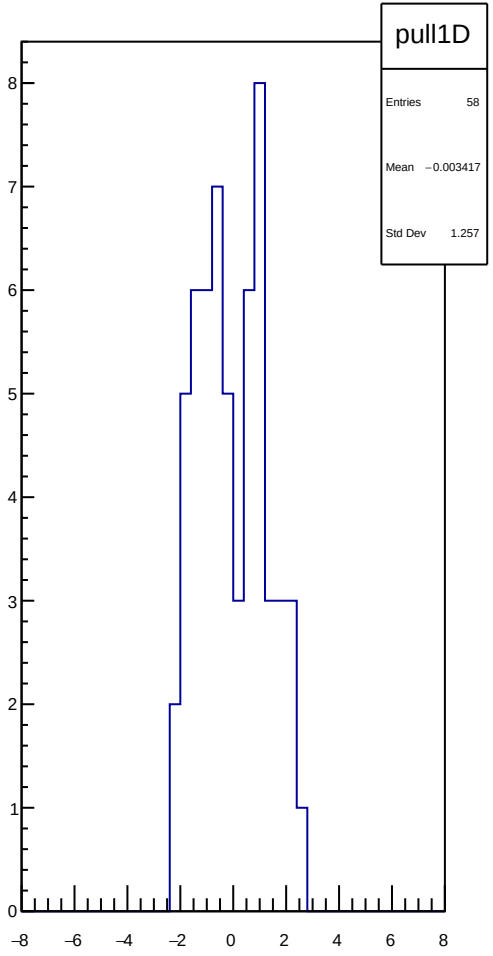

pull1D
Entries 58
Mean −0.000225
Std Dev 1.211

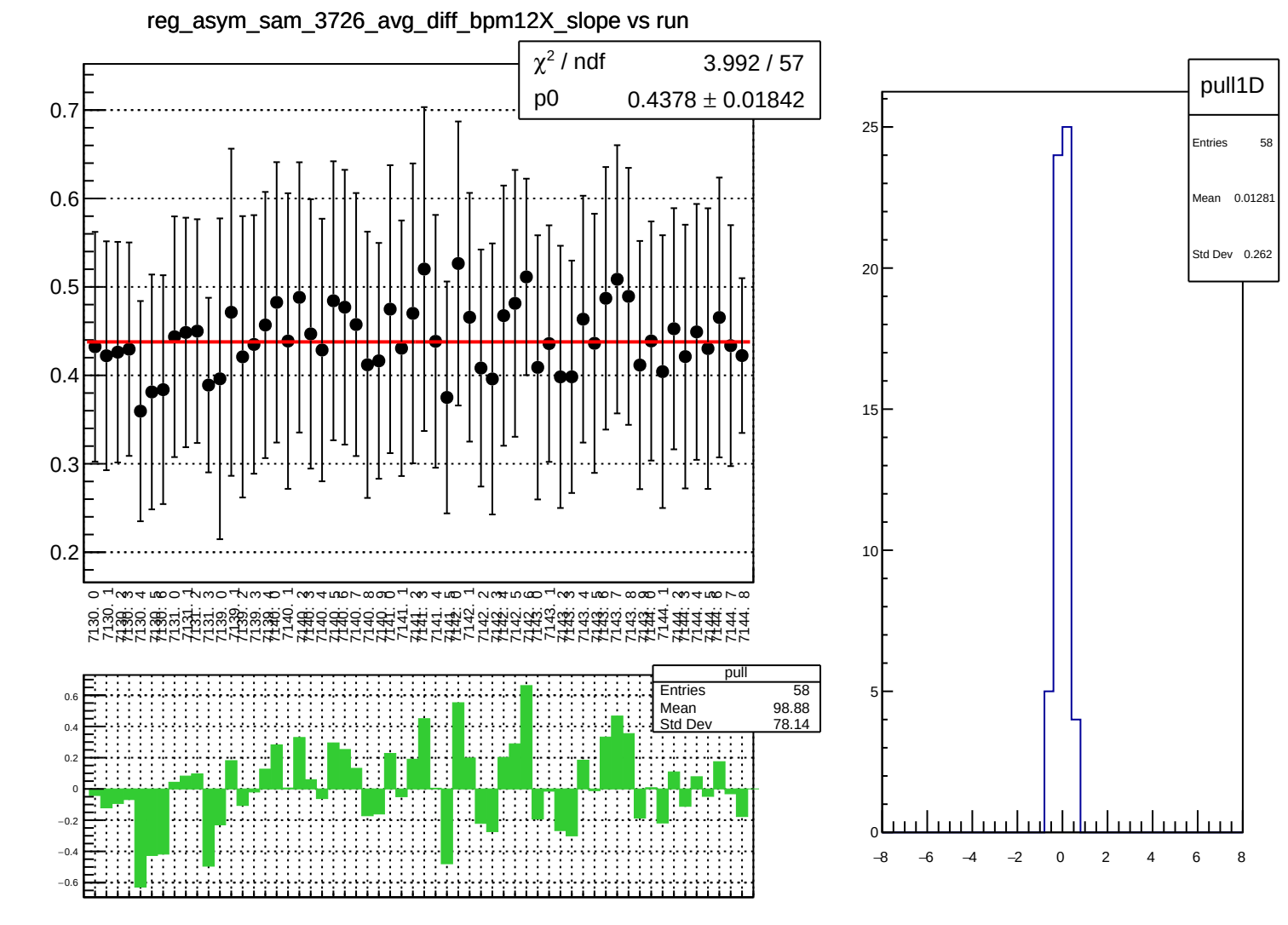

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 195.7 / 57
p0 −34.13 ± 0.4206
pull
Entries 58
Mean −4.856
Std Dev 24.87


pull1D
Entries 58
Mean −0.2111
Std Dev 1.825

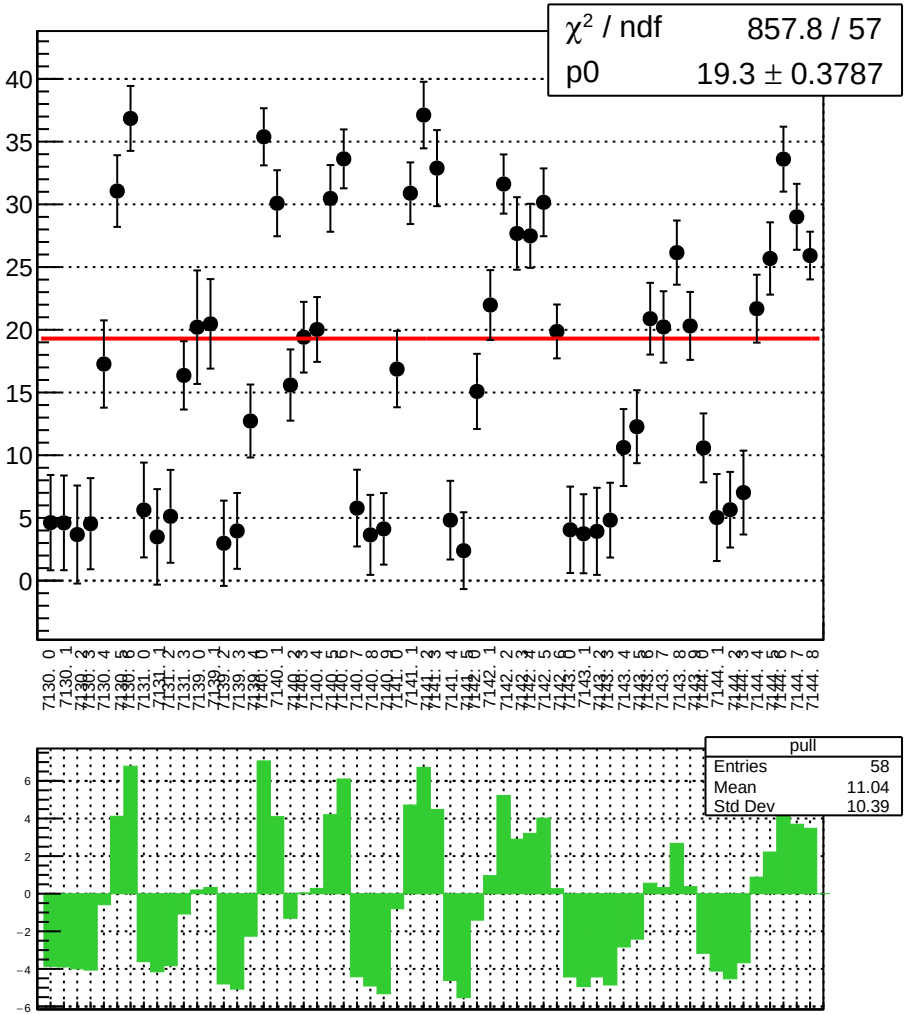
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run

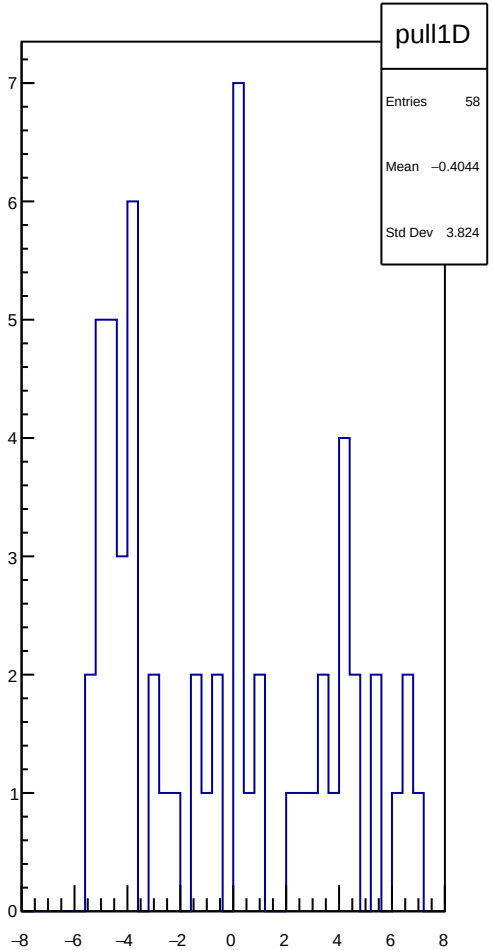


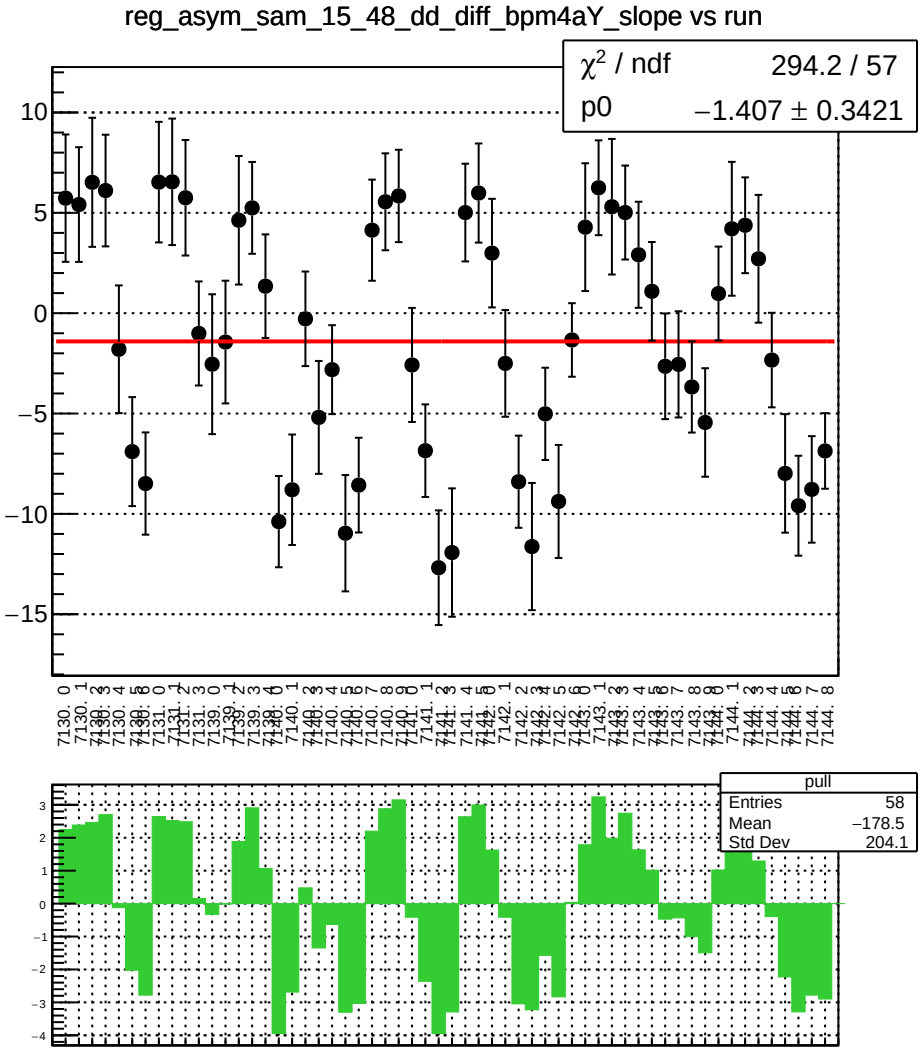


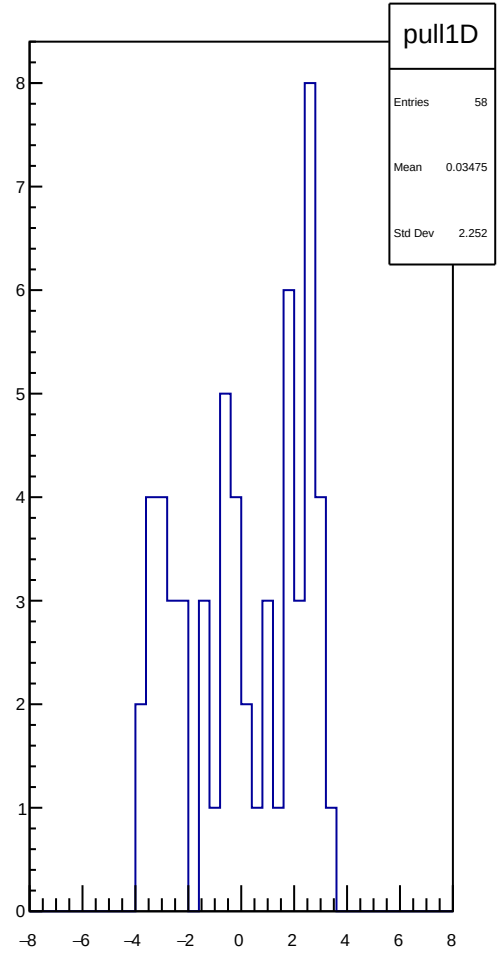

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 3.992 / 57
p0 0.4378 ± 0.01842
pull
Entries 58
Mean 98.88
Std Dev 78.14
pull1D
Entries 58
Mean 0.01281
Std Dev 0.262

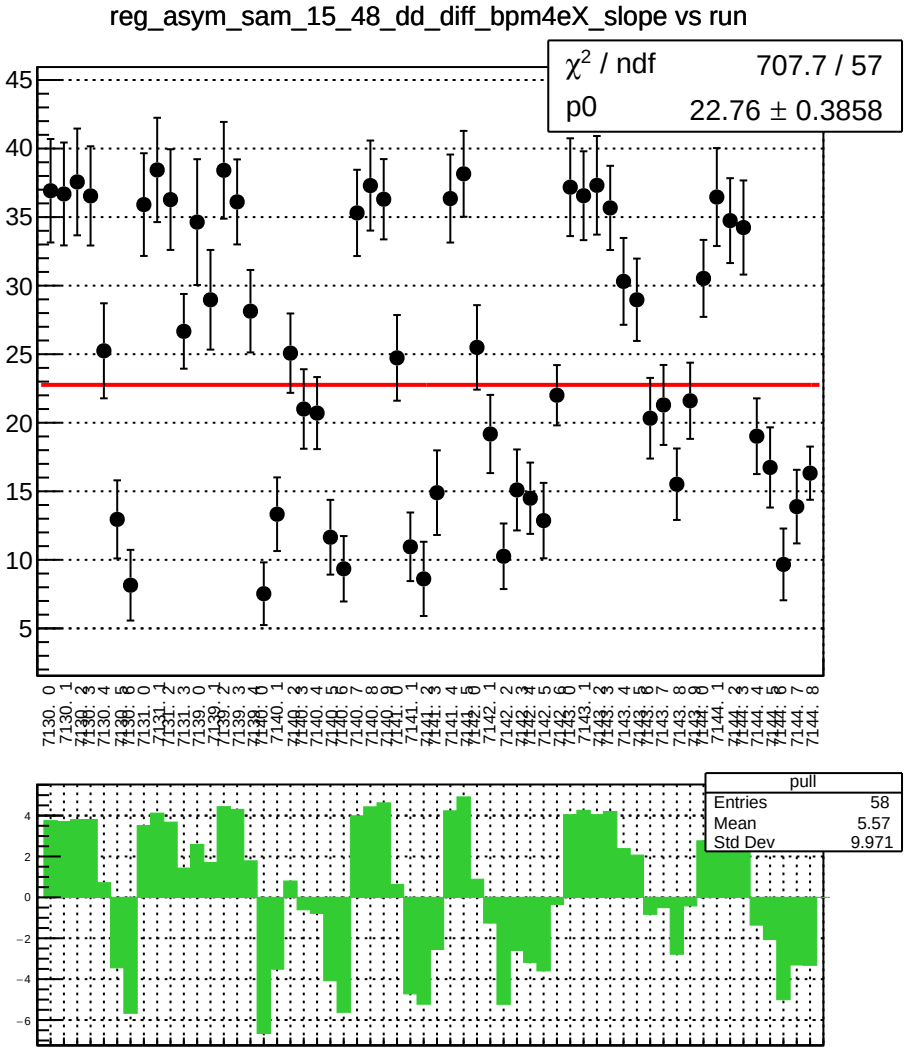
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run

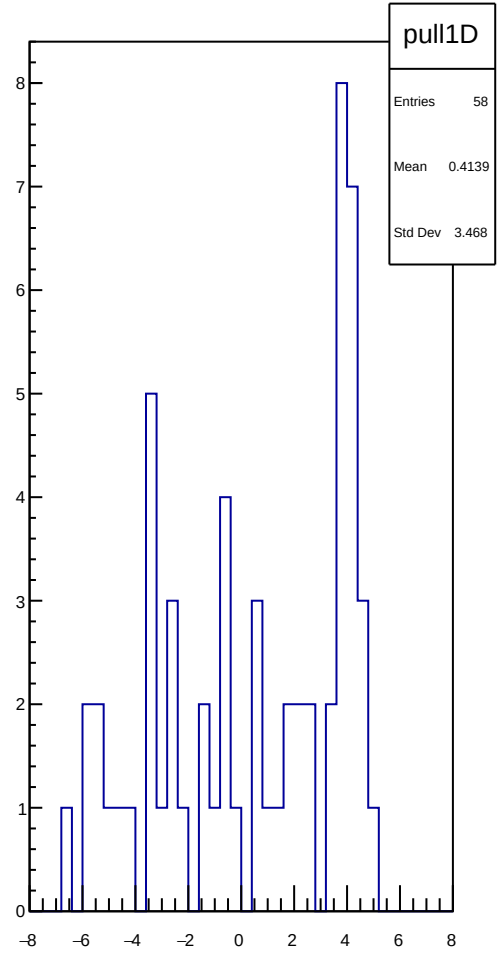


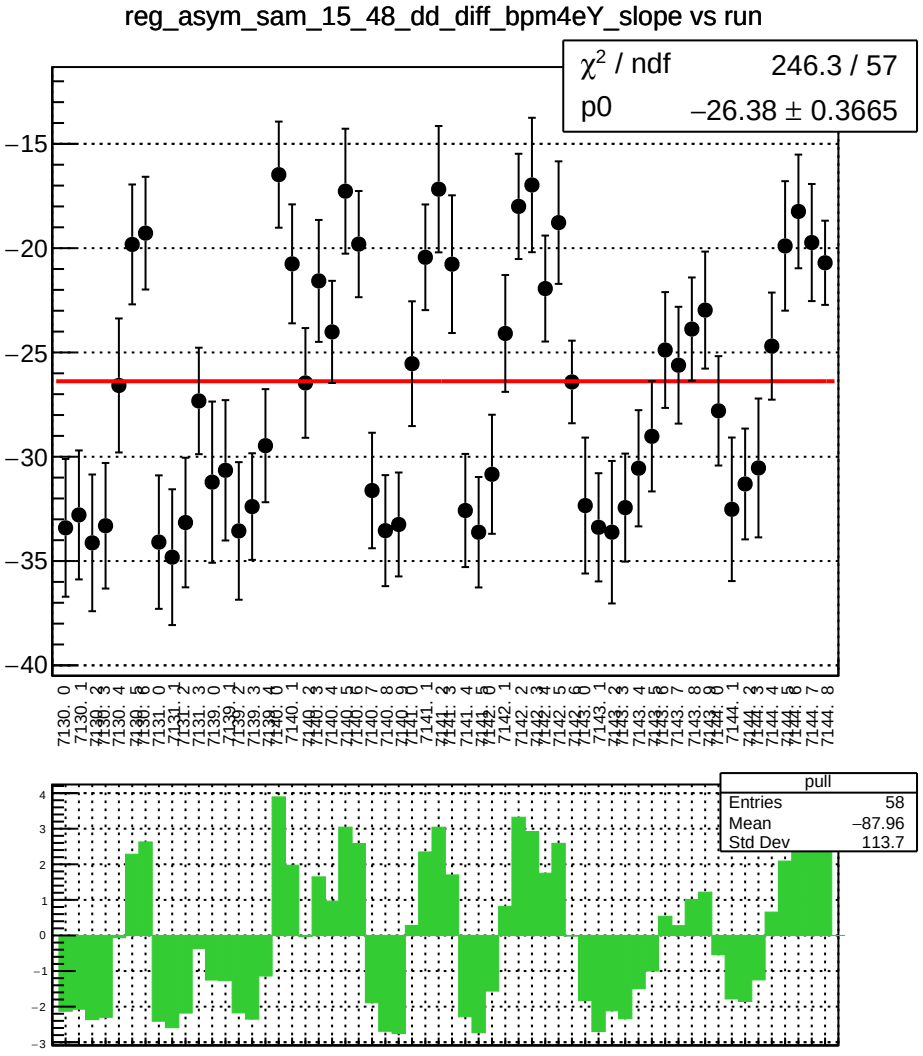


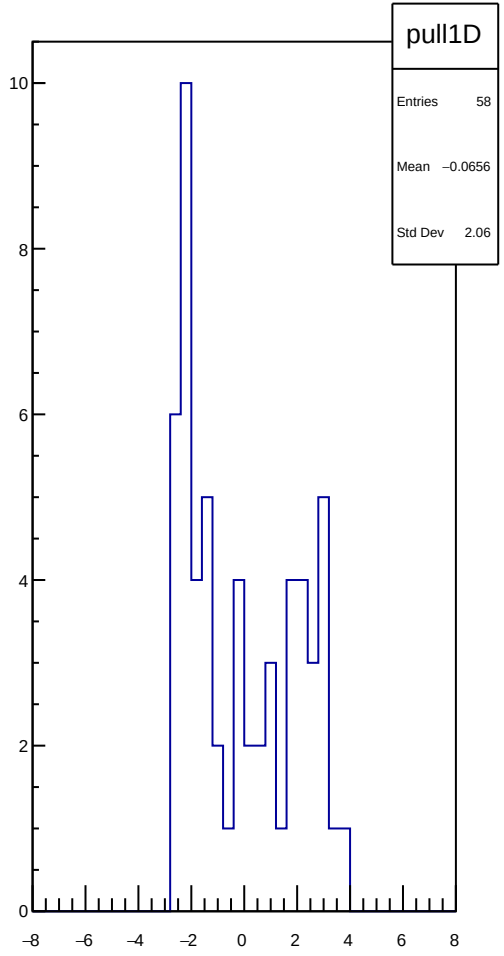

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 294.2 / 57
p0 −1.407 ± 0.3421
pull
Entries 58
Mean −178.5
Std Dev 204.1

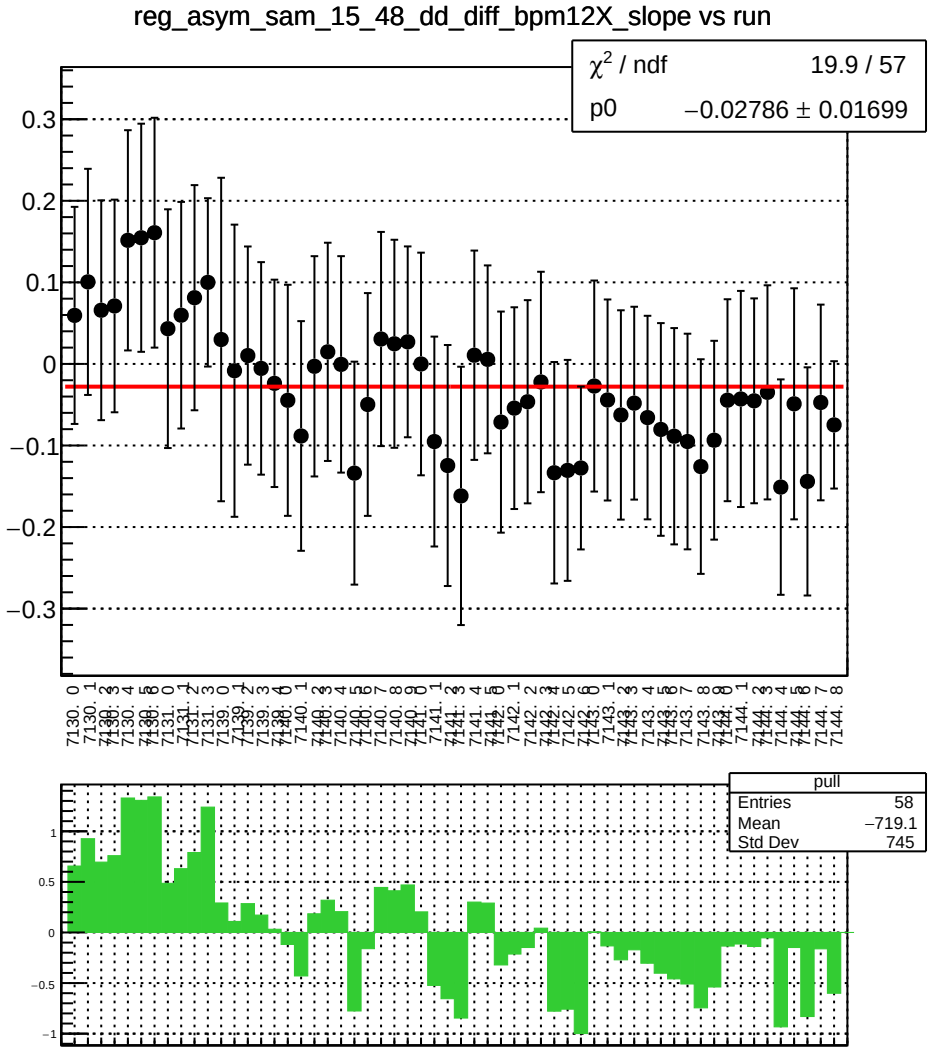

pull1D
Entries 58
Mean 0.03475
Std Dev 2.252

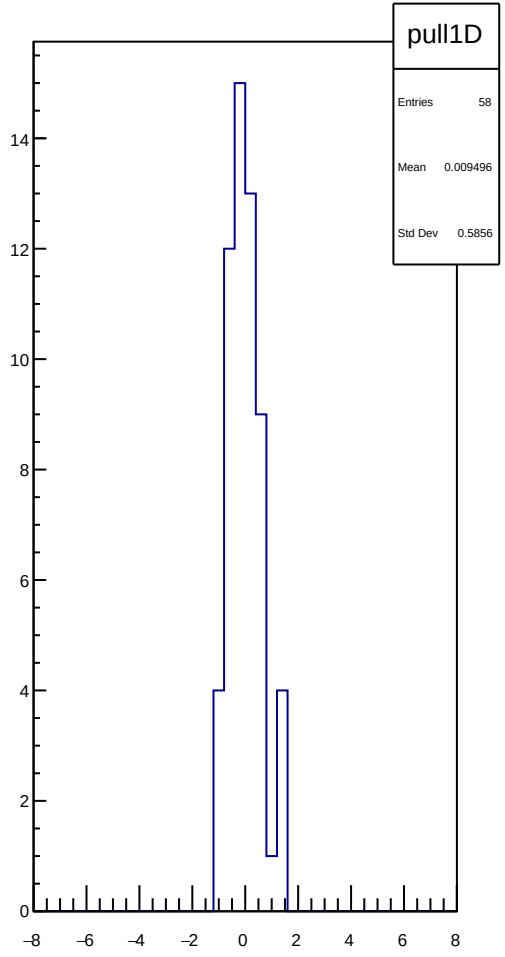

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 707.7 / 57
p0 22.76 ± 0.3858
pull
Entries 58
Mean 5.57
Std Dev 9.971


pull1D
Entries 58
Mean 0.4139
Std Dev 3.468

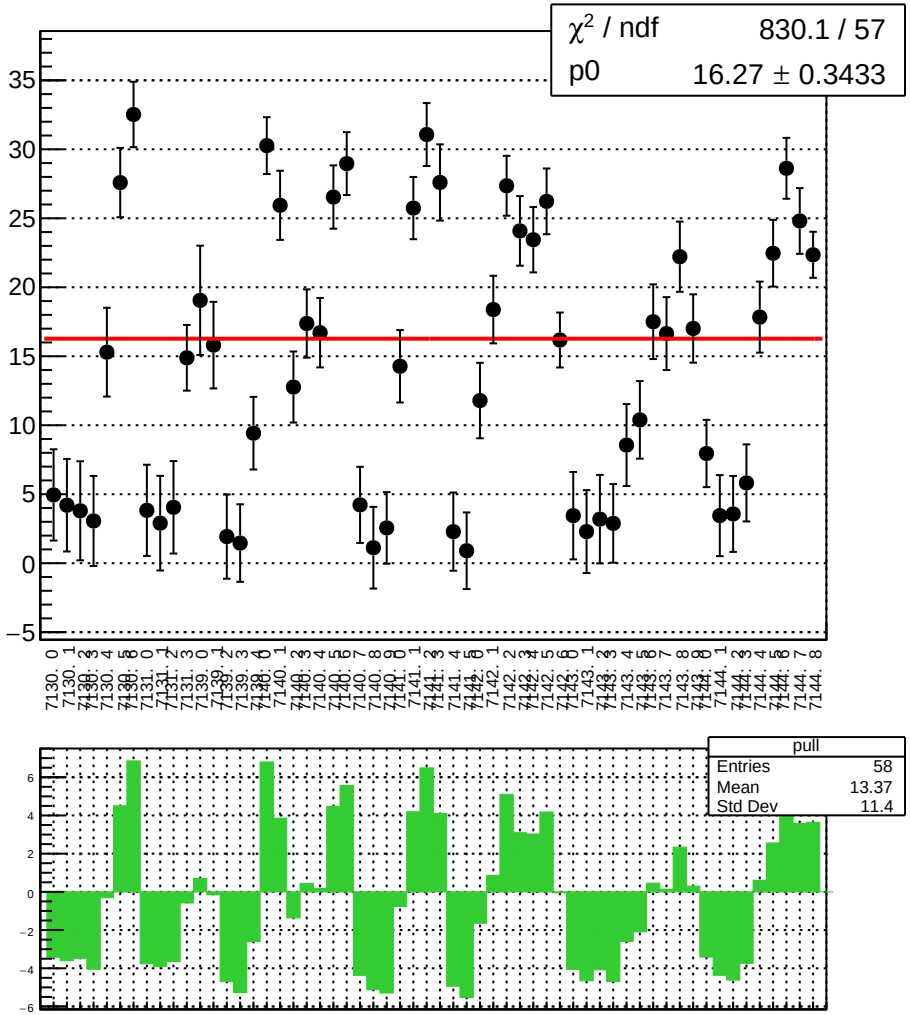

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 246.3 / 57
p0 −26.38 ± 0.3665
pull
Entries 58
Mean −87.96
Std Dev 113.7

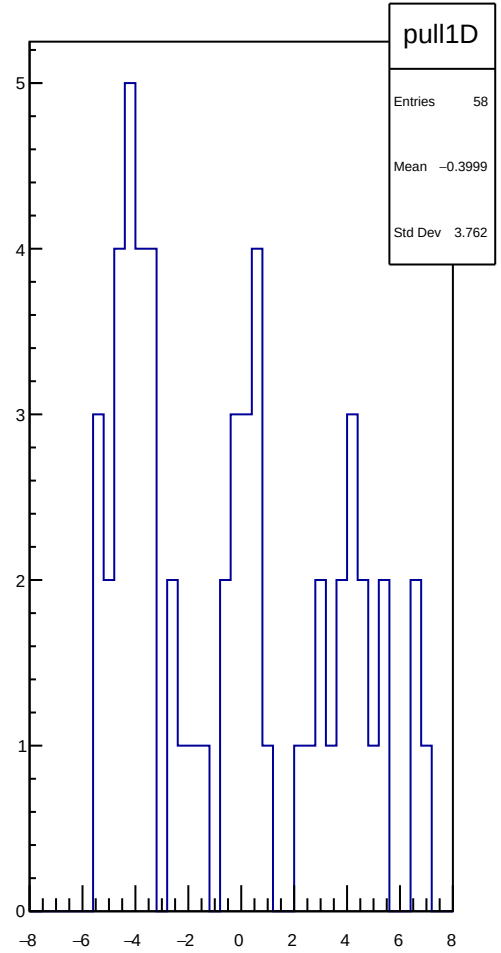

pull1D
Entries 58
Mean −0.0656
Std Dev 2.06

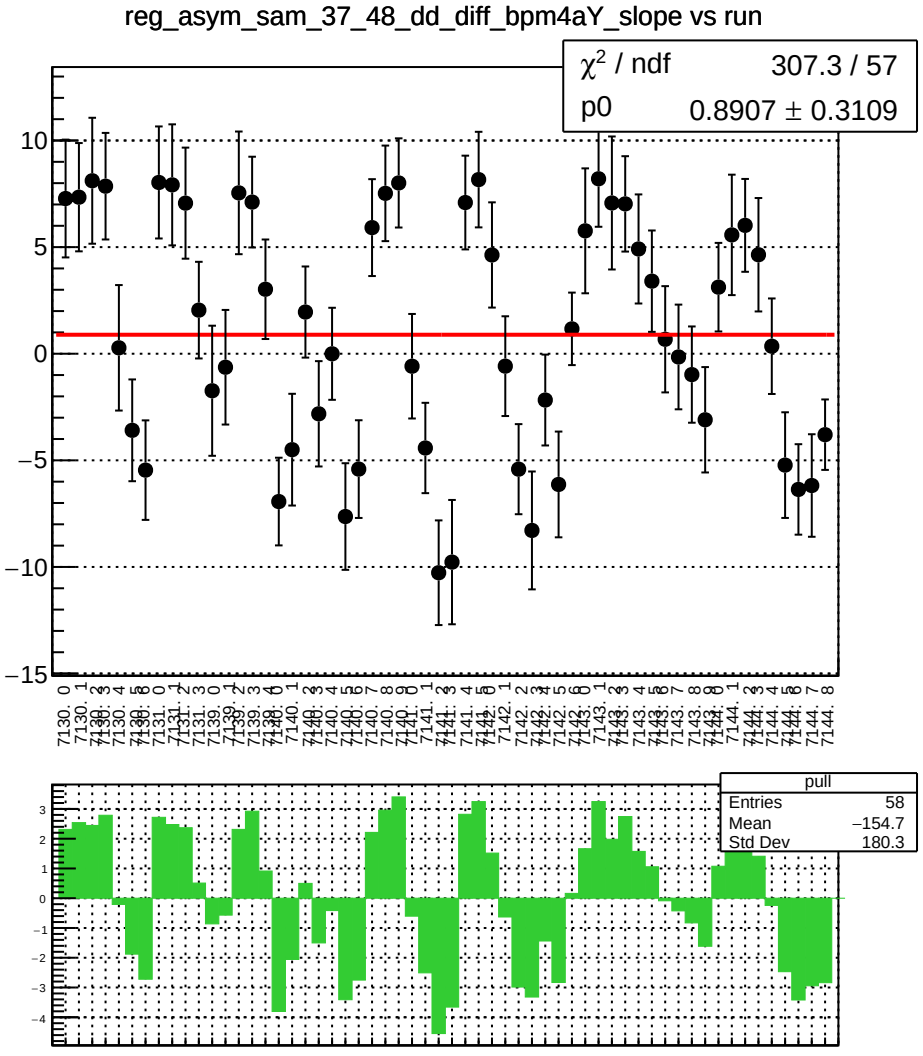

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.9 / 57
p0 −0.02786 ± 0.01699
pull
Entries 58
Mean −719.1
Std Dev 745

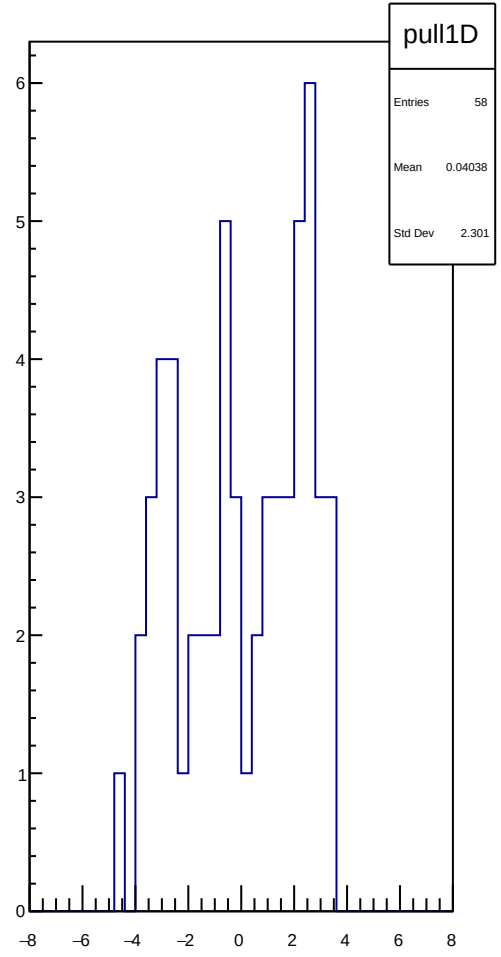

pull1D
Entries 58
Mean 0.009496
Std Dev 0.5856

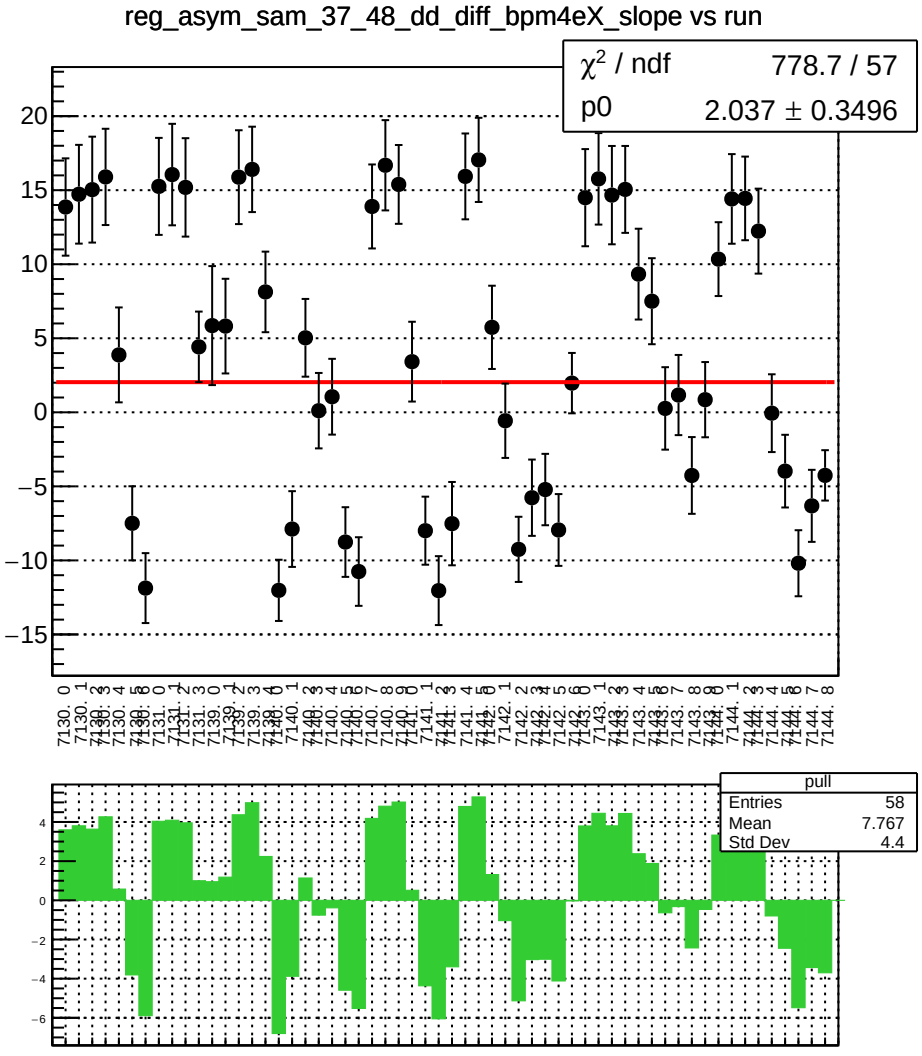
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run

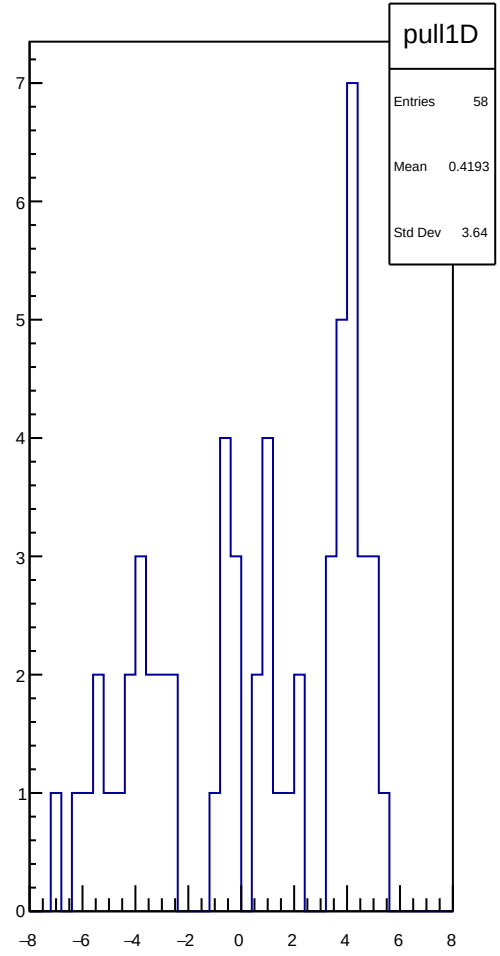


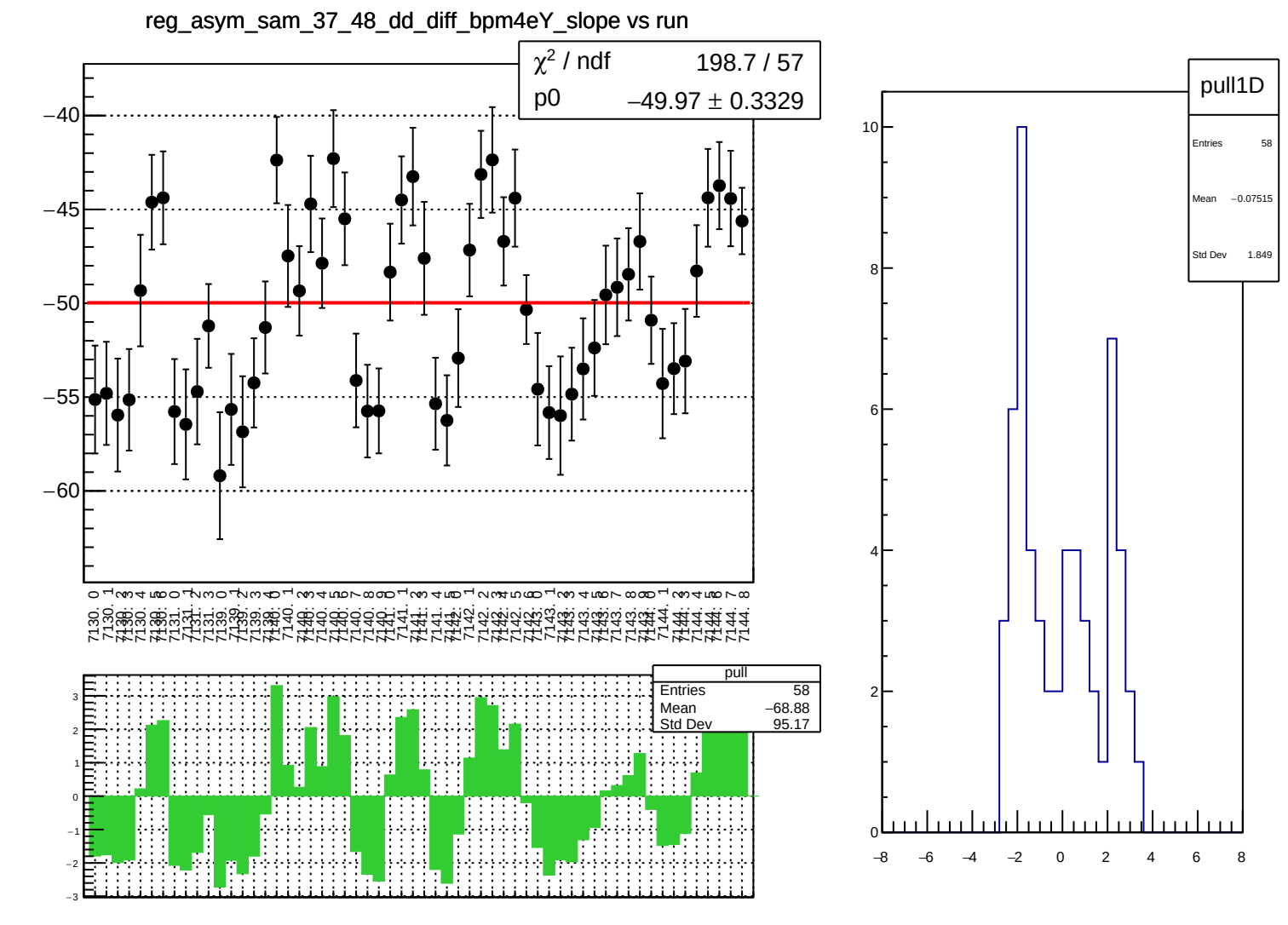


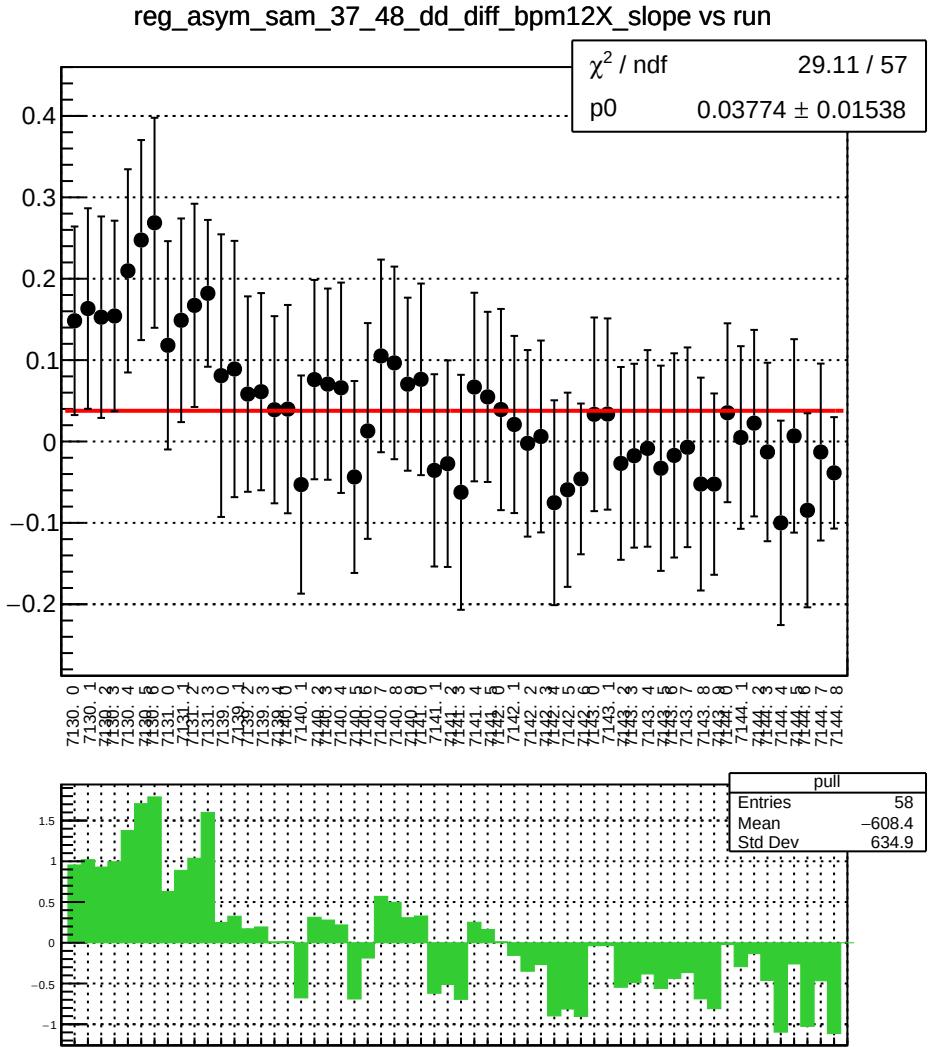

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 307.3 / 57
p0 0.8907 ± 0.3109
pull
Entries 58
Mean −154.7
Std Dev 180.3

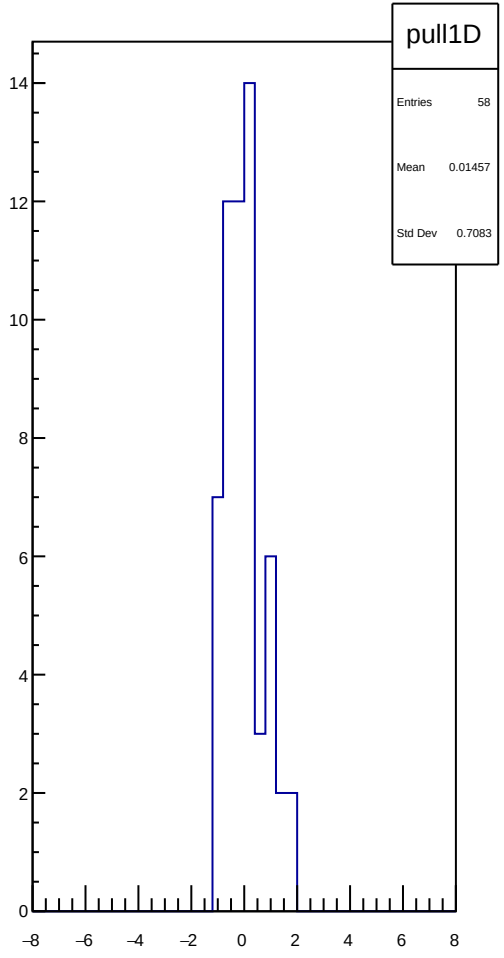

pull1D
Entries 58
Mean 0.04038
Std Dev 2.301


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 778.7 / 57
p0 2.037 ± 0.3496
pull
Entries 58
Mean 7.767
Std Dev 4.4

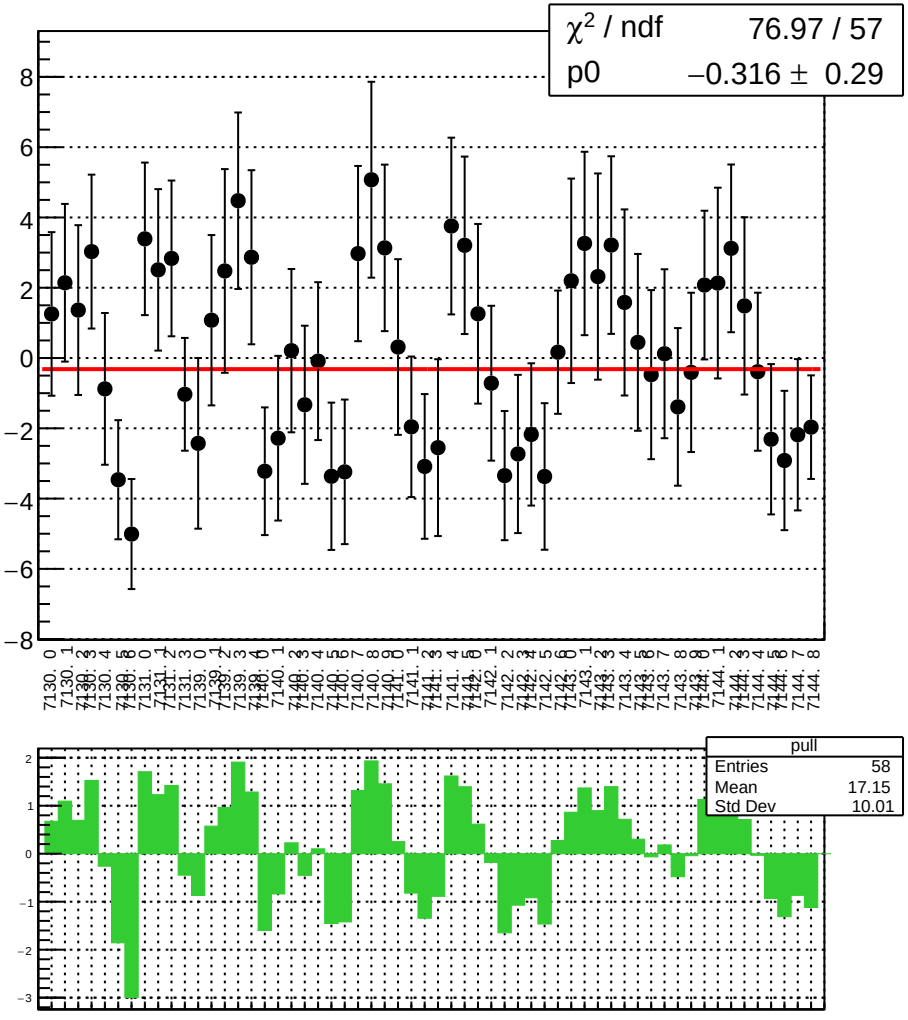

pull1D
Entries 58
Mean 0.4193
Std Dev 3.64

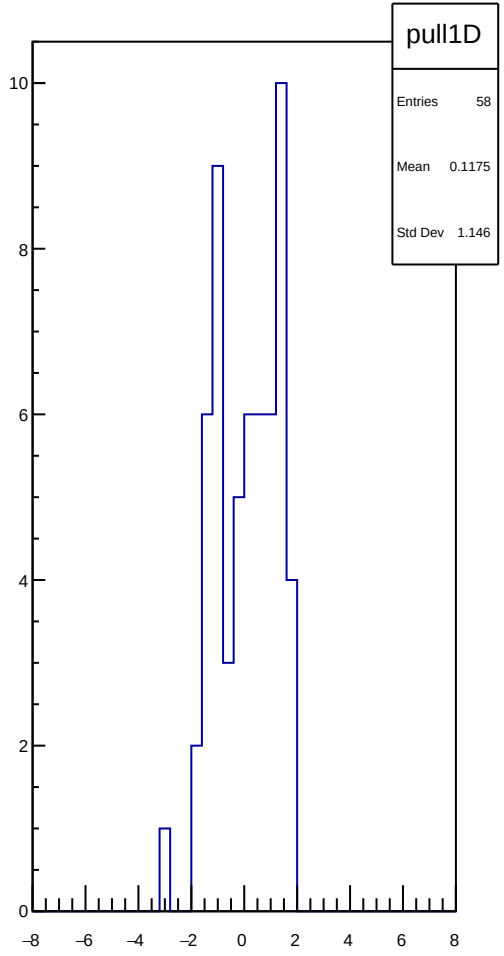

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 198.7 / 57
p0 −49.97 ± 0.3329
−40
−45
−50
−55
−60
pull
Entries 58
Mean −68.88
Std Dev 95.17
3
2
1
0
−1
−2
−3
pull1D
Entries 58
Mean −0.07515
Std Dev 1.849
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

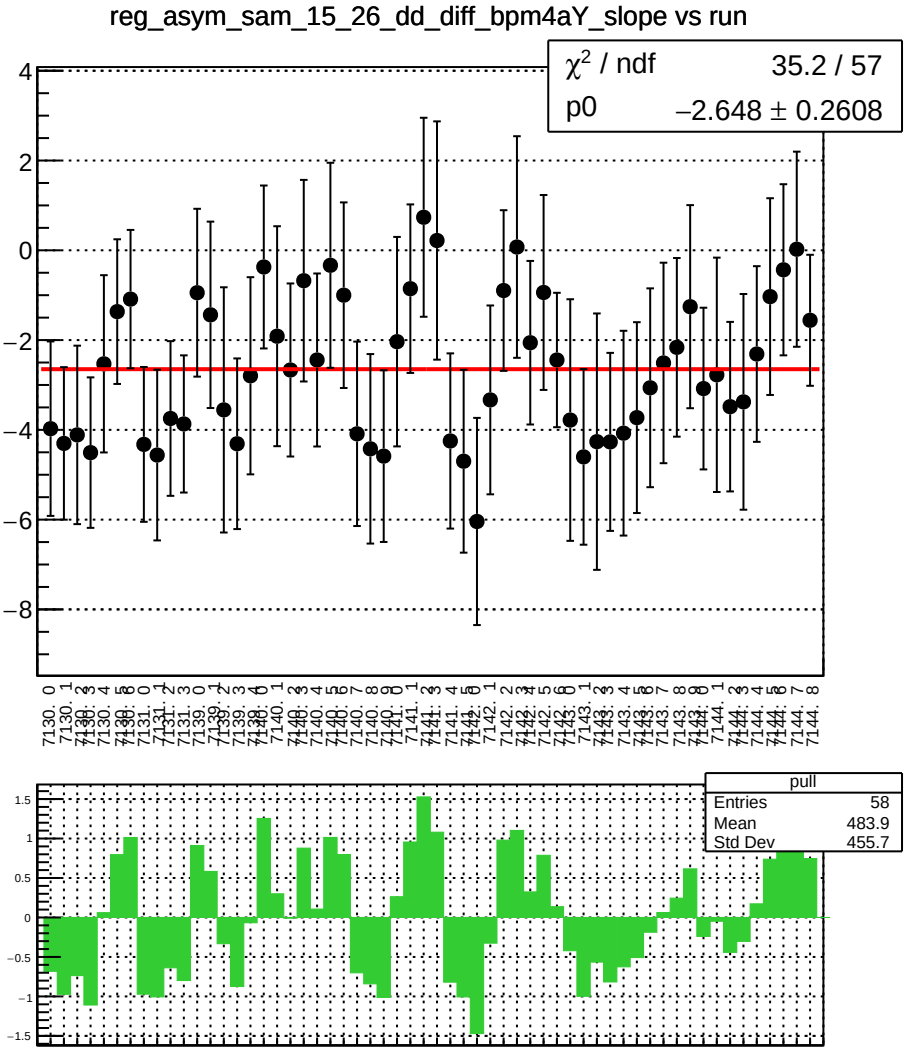

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 29.11 / 57
p0 0.03774 ± 0.01538
pull
Entries 58
Mean −608.4
Std Dev 634.9

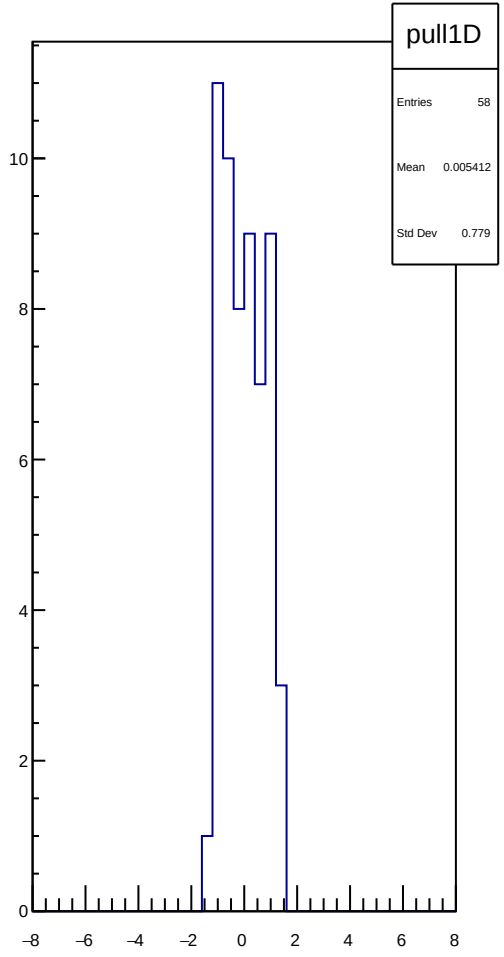

pull1D
Entries 58
Mean 0.01457
Std Dev 0.7083

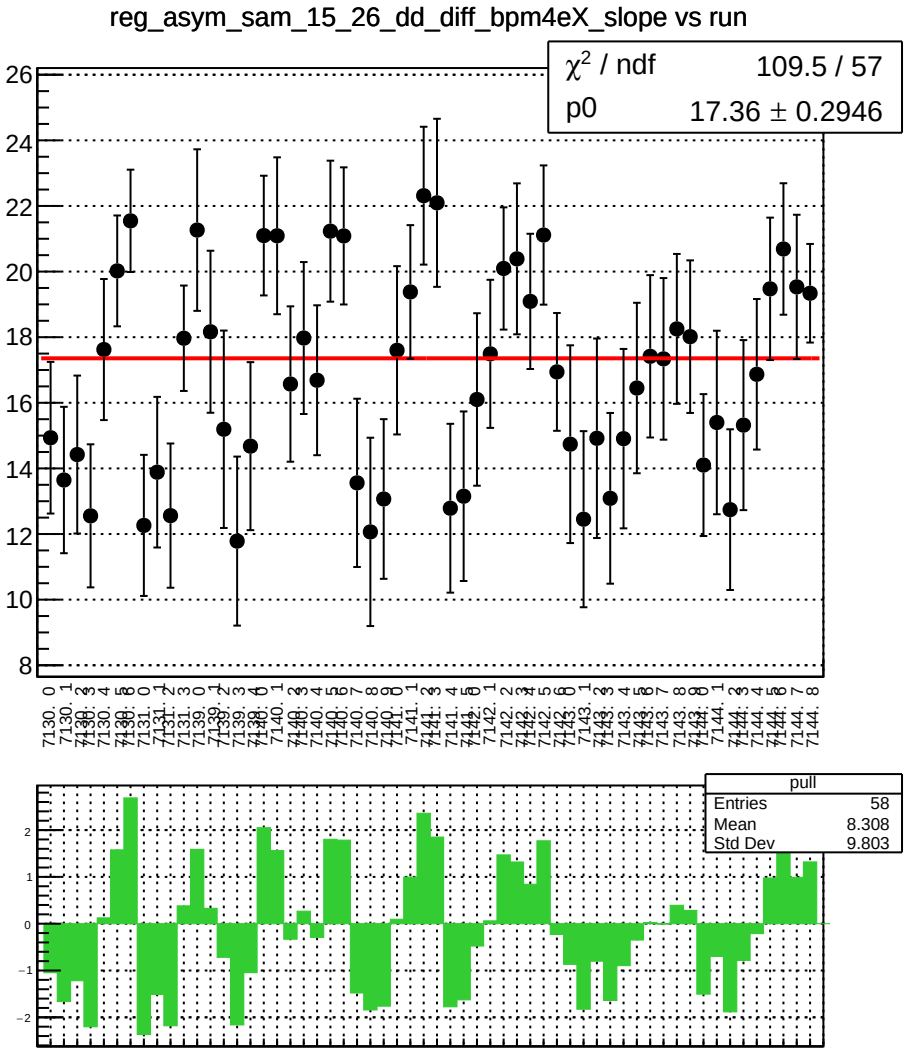
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run

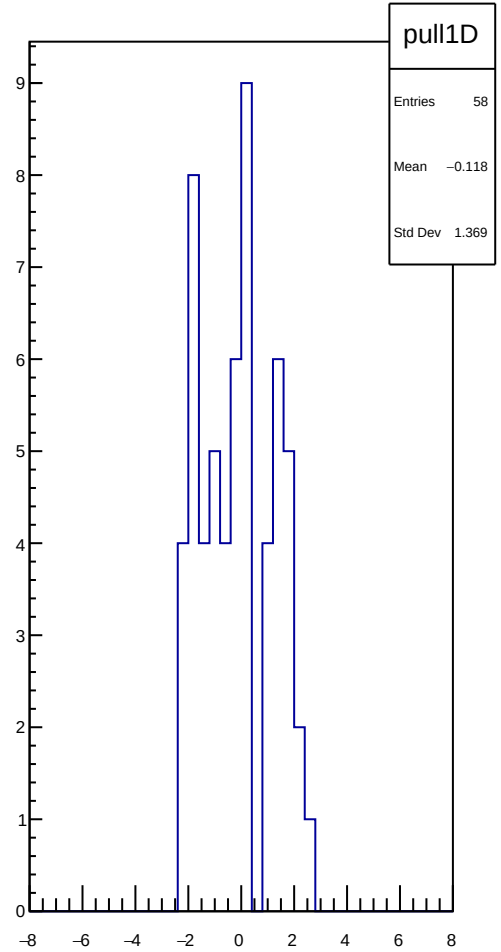


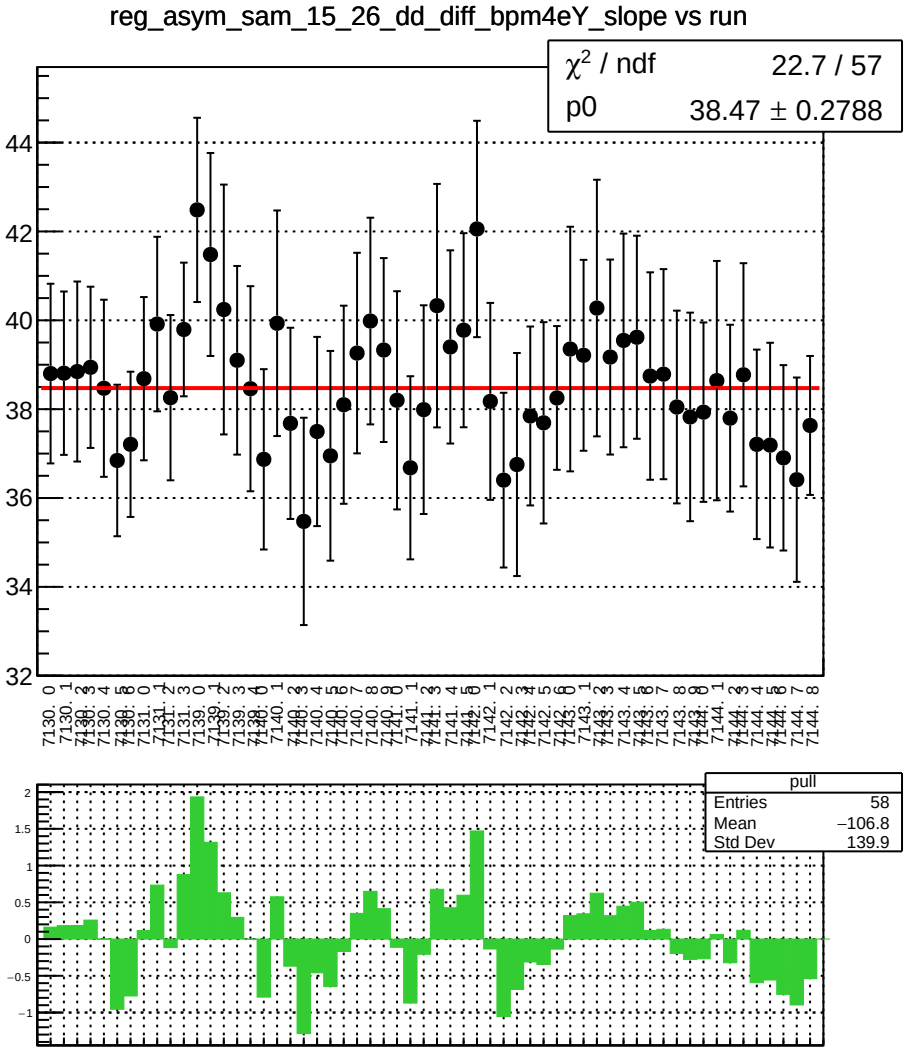


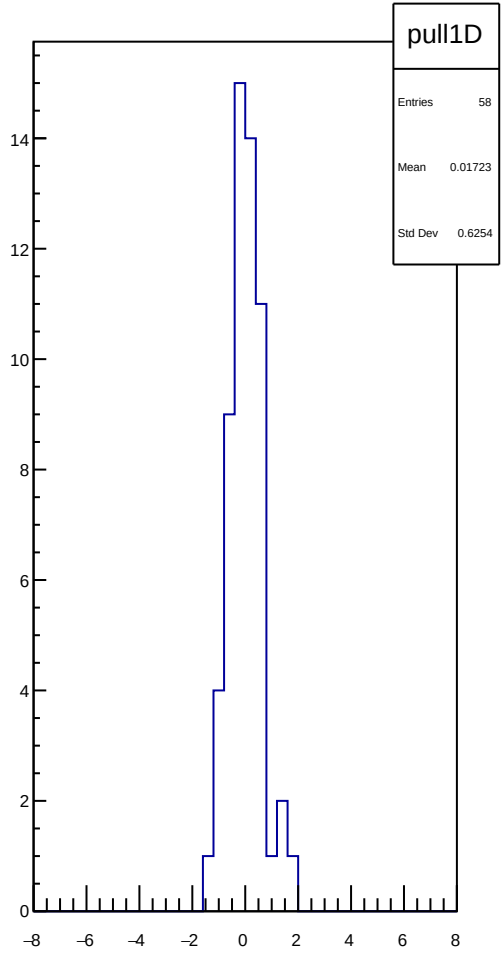

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.2 / 57
p0 −2.648 ± 0.2608
pull
Entries 58
Mean 483.9
Std Dev 455.7

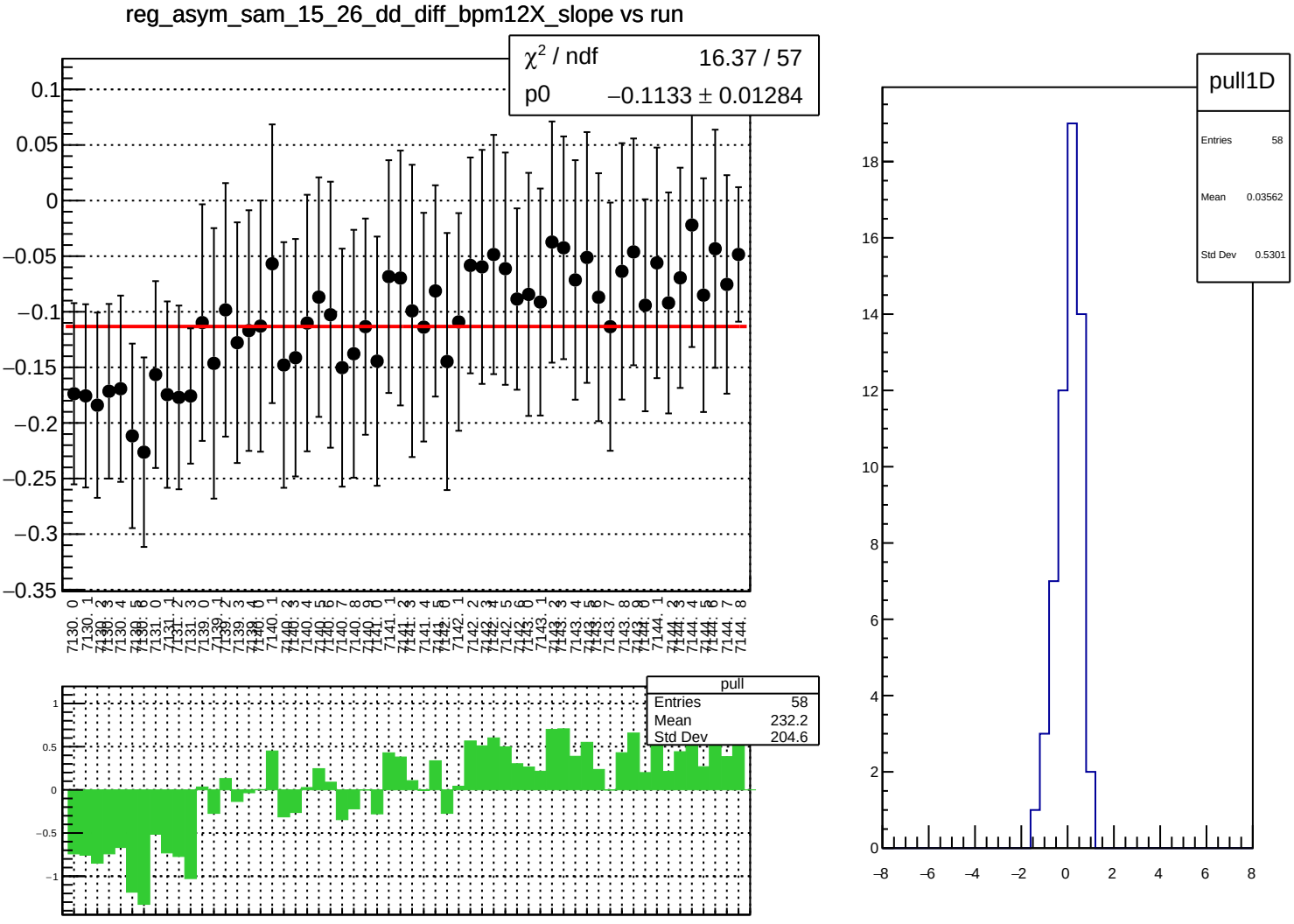

pull1D
Entries 58
Mean 0.005412
Std Dev 0.779

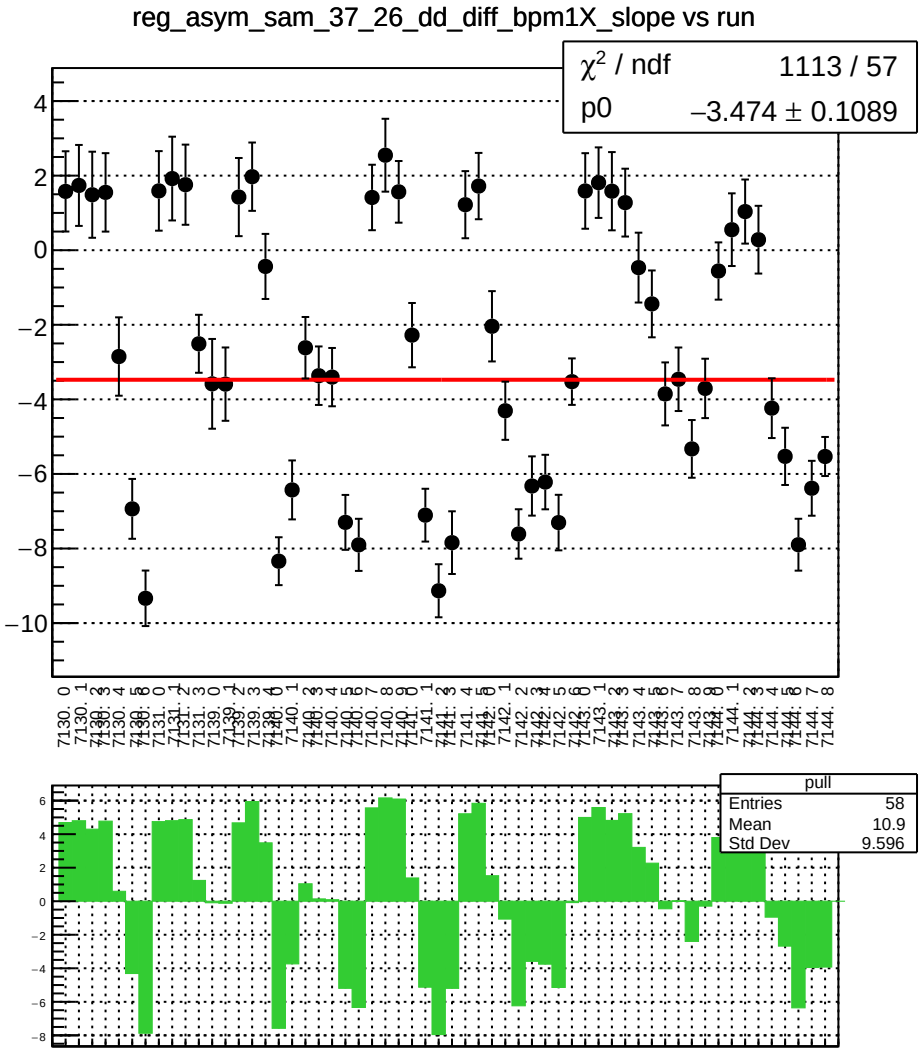

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 109.5 / 57
p0 17.36 ± 0.2946
pull
Entries 58
Mean 8.308
Std Dev 9.803

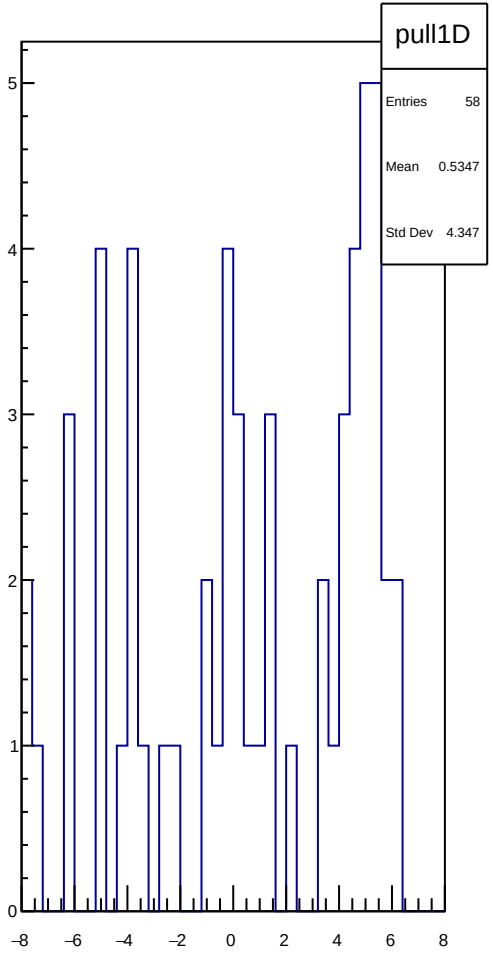

pull1D
Entries 58
Mean −0.118
Std Dev 1.369


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.7 / 57
p0 38.47 ± 0.2788
pull
Entries 58
Mean −106.8
Std Dev 139.9

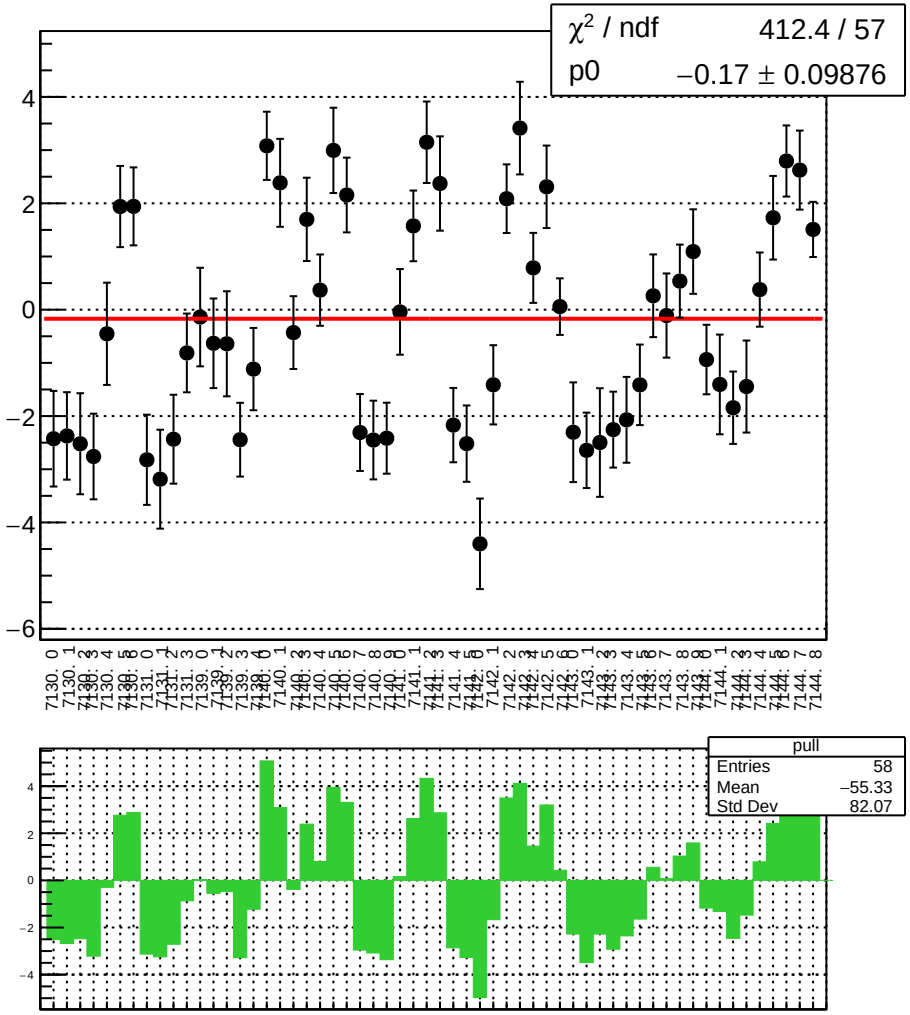

pull1D
Entries 58
Mean 0.01723
Std Dev 0.6254

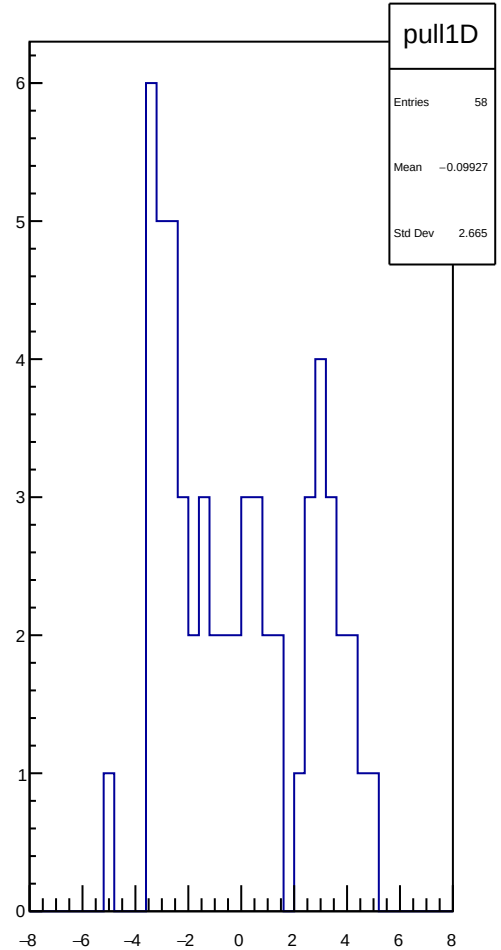

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 16.37 / 57
p0 −0.1133 ± 0.01284
pull
Entries 58
Mean 232.2
Std Dev 204.6
pull1D
Entries 58
Mean 0.03562
Std Dev 0.5301


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1113 / 57
p0 −3.474 ± 0.1089
pull
Entries 58
Mean 10.9
Std Dev 9.596

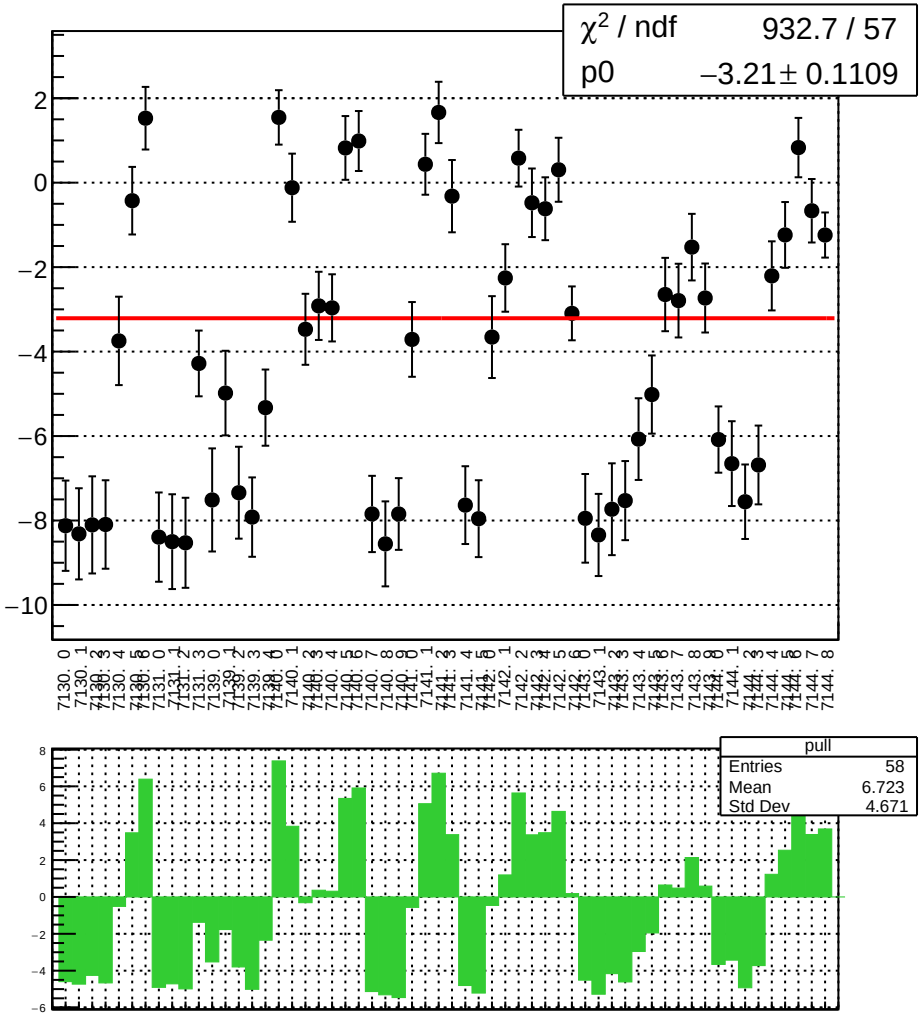

pull1D
Entries 58
Mean 0.5347
Std Dev 4.347

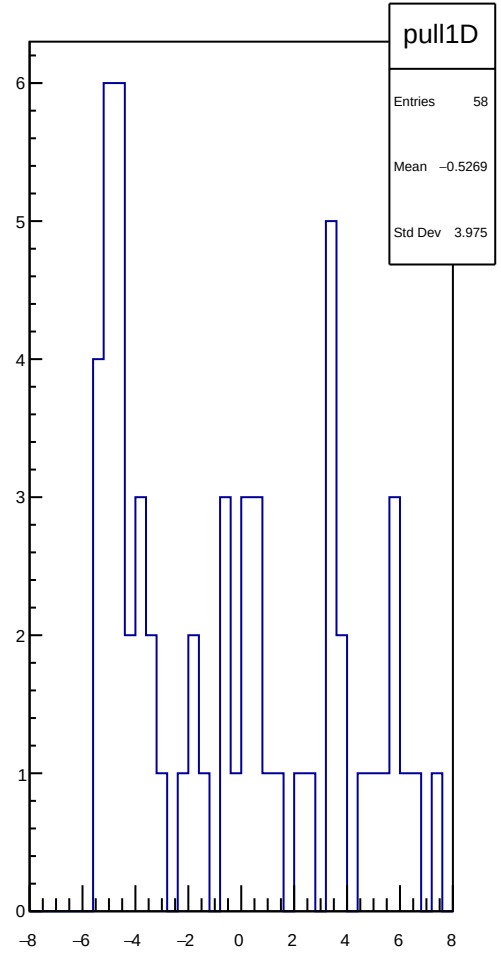
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run

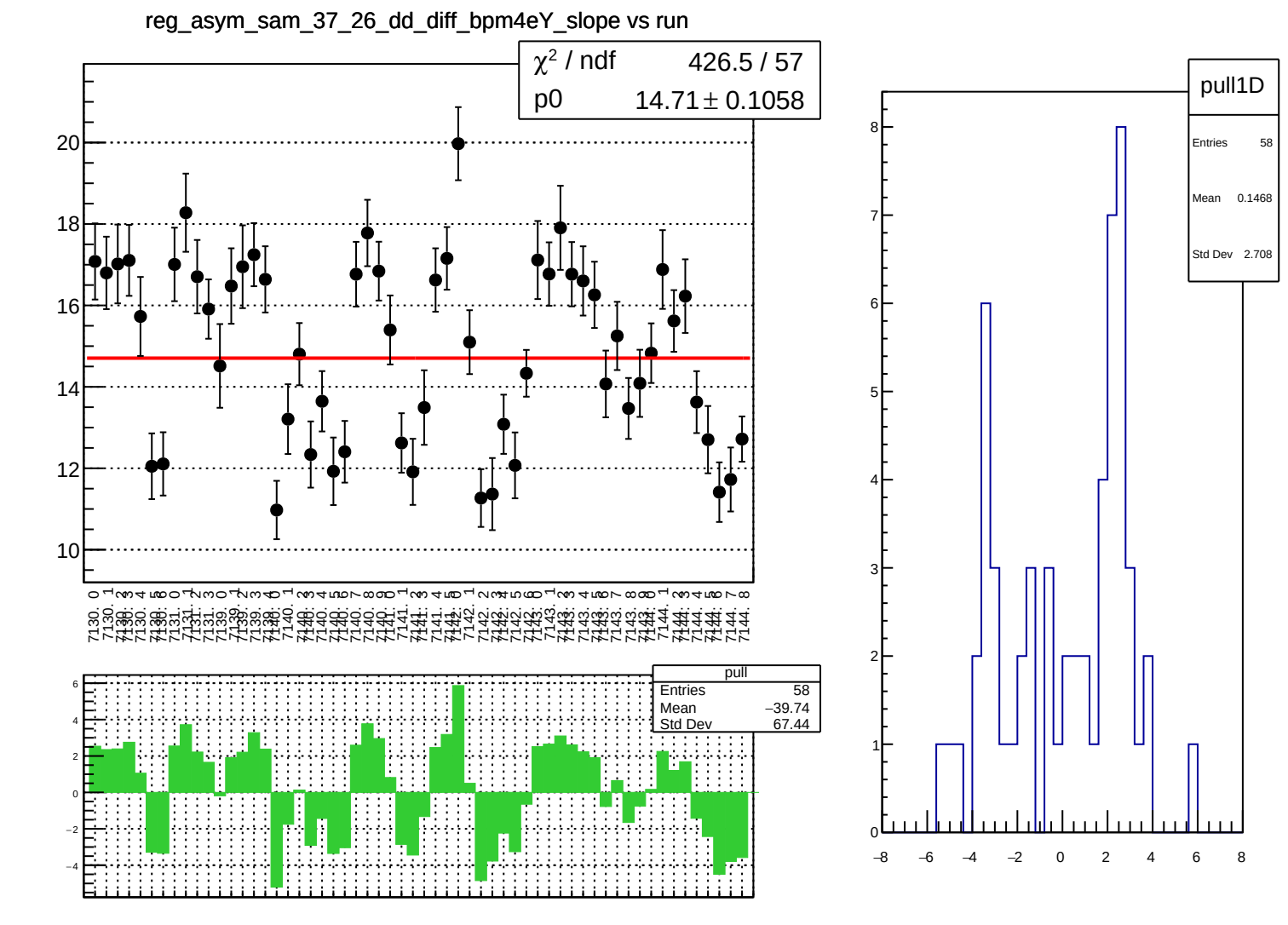


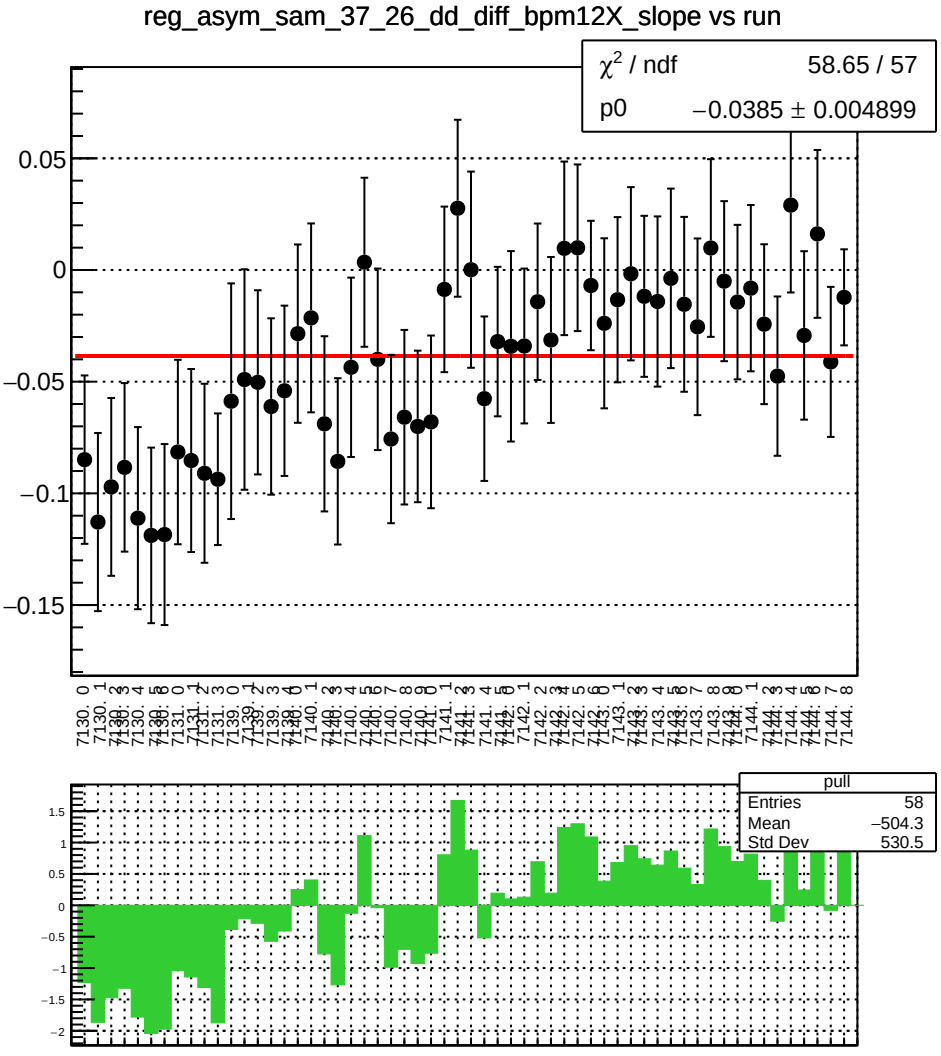


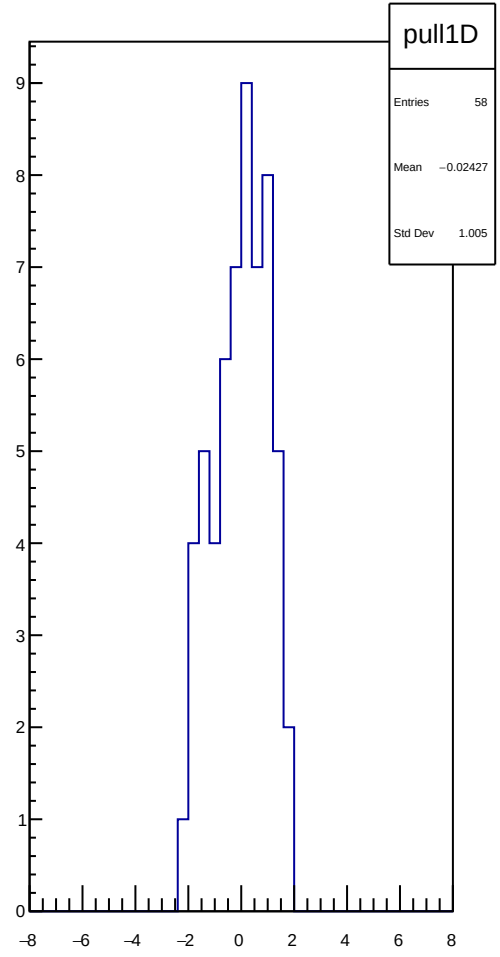
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run

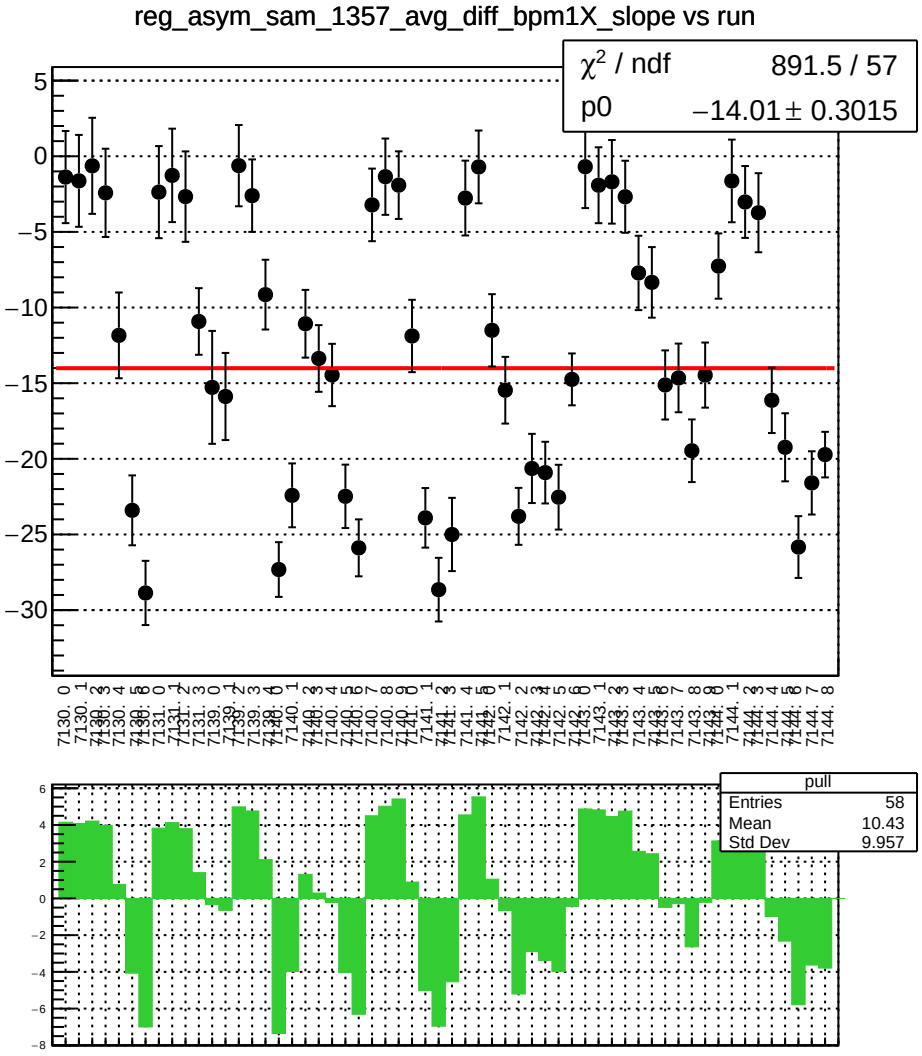


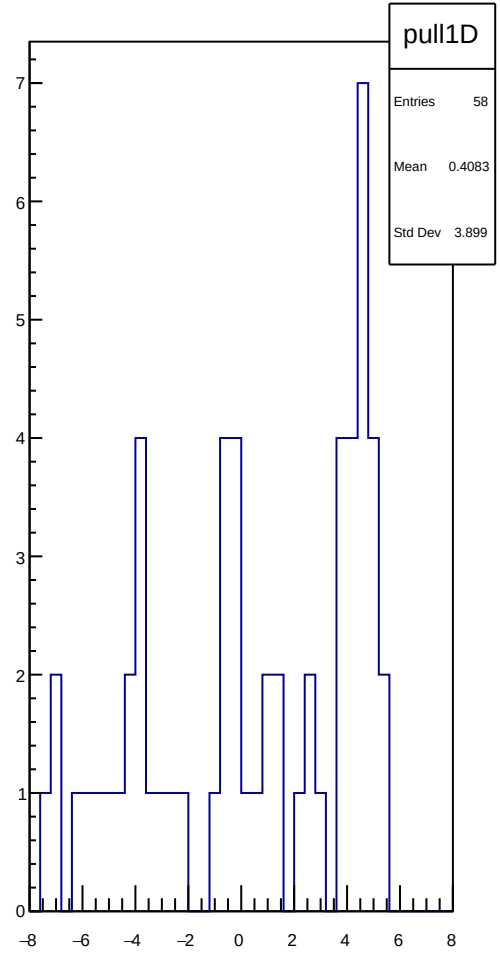



reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 426.5 / 57
p0 14.71 ± 0.1058
pull
Entries 58
Mean −39.74
Std Dev 67.44
pull1D
Entries 58
Mean 0.1468
Std Dev 2.708

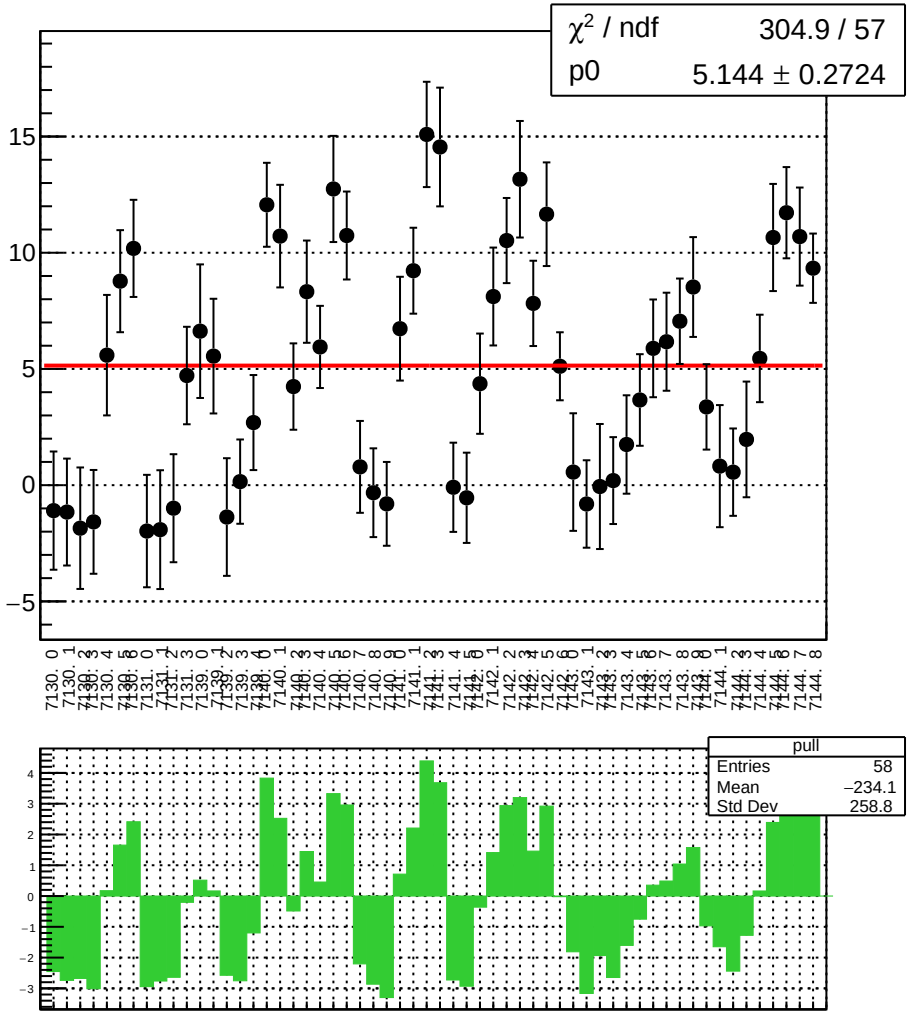

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 58.65 / 57
p0 −0.0385 ± 0.004899
pull
Entries 58
Mean −504.3
Std Dev 530.5

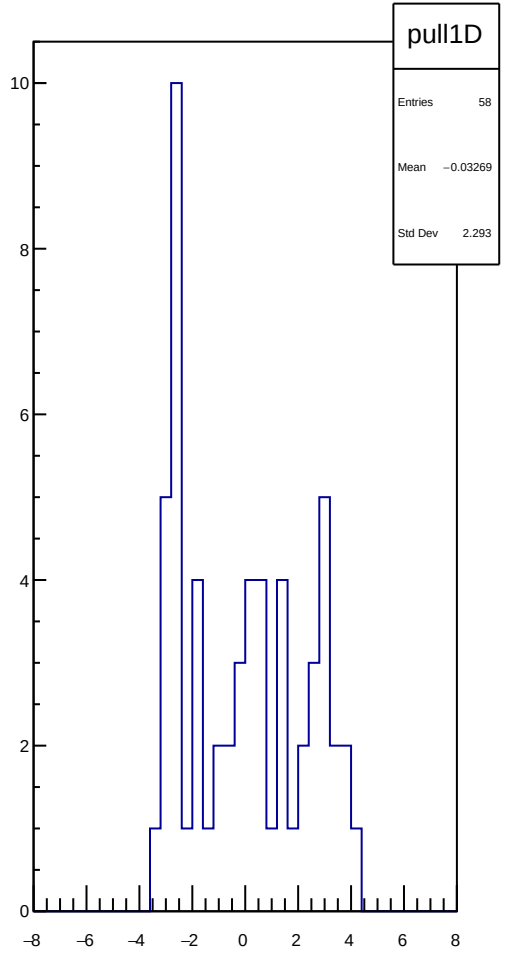

pull1D
Entries 58
Mean −0.02427
Std Dev 1.005

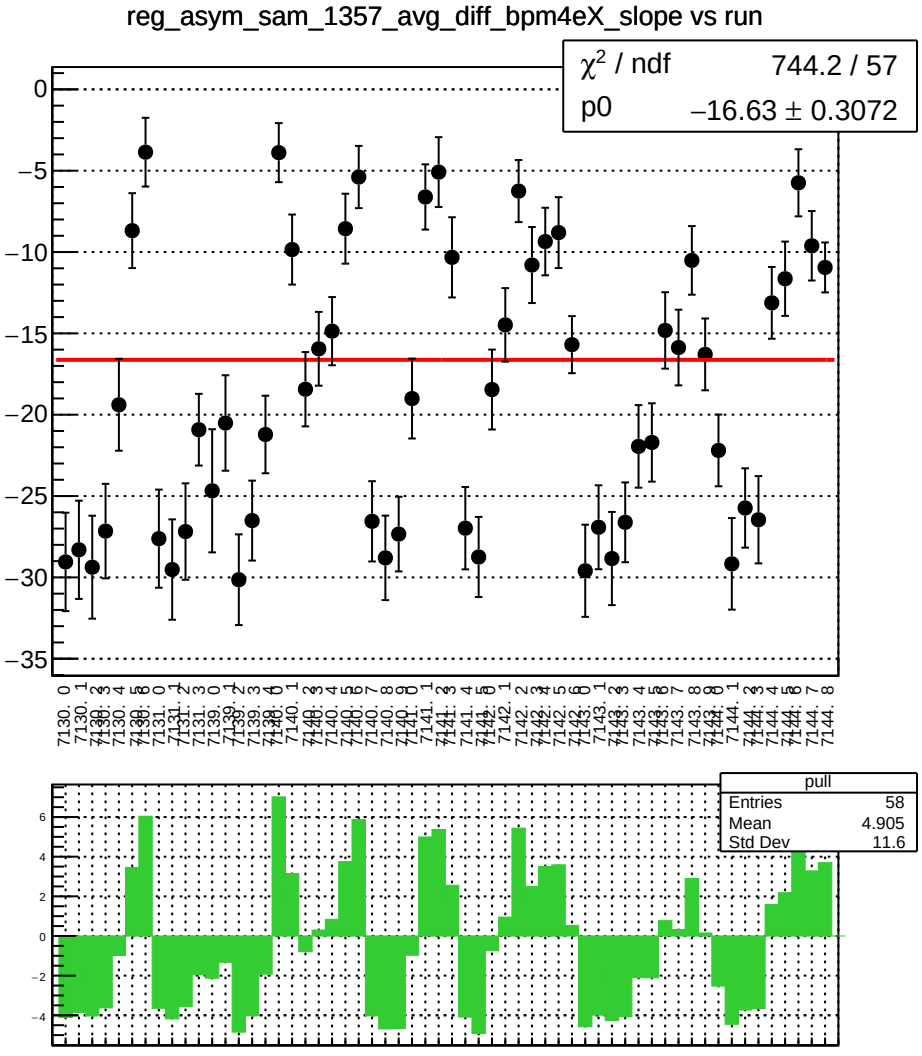

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 891.5 / 57
p0 −14.01 ± 0.3015
pull
Entries 58
Mean 10.43
Std Dev 9.957

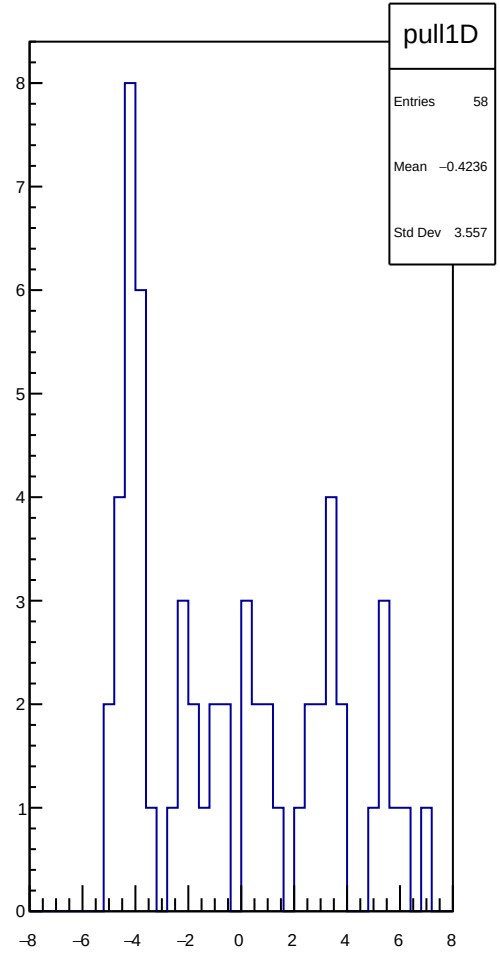

pull1D
Entries 58
Mean 0.4083
Std Dev 3.899

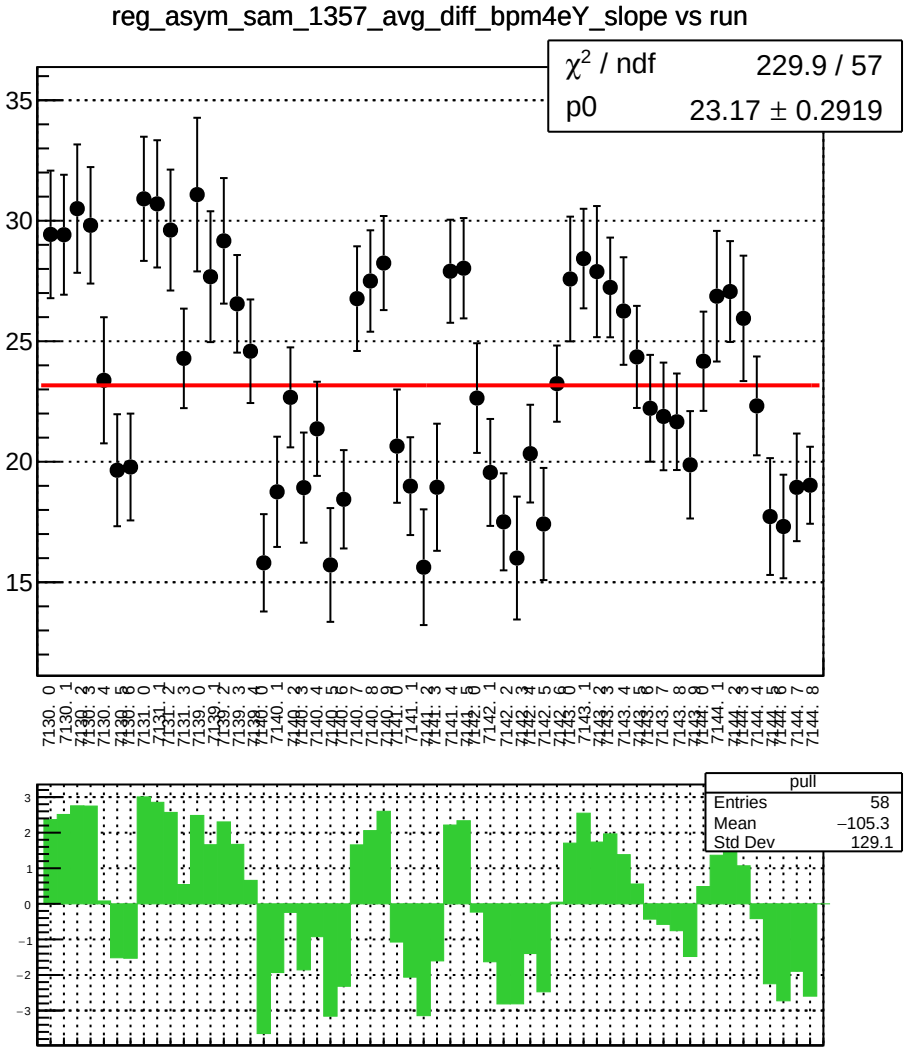
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run

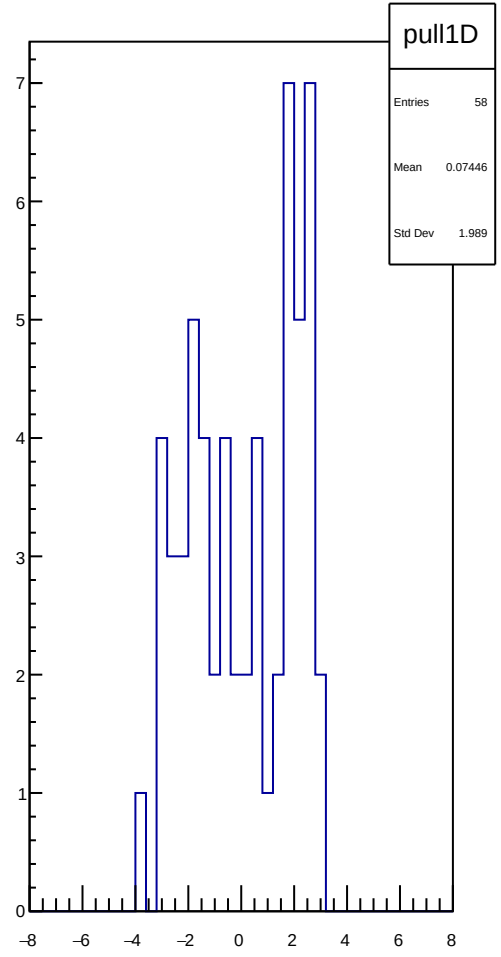


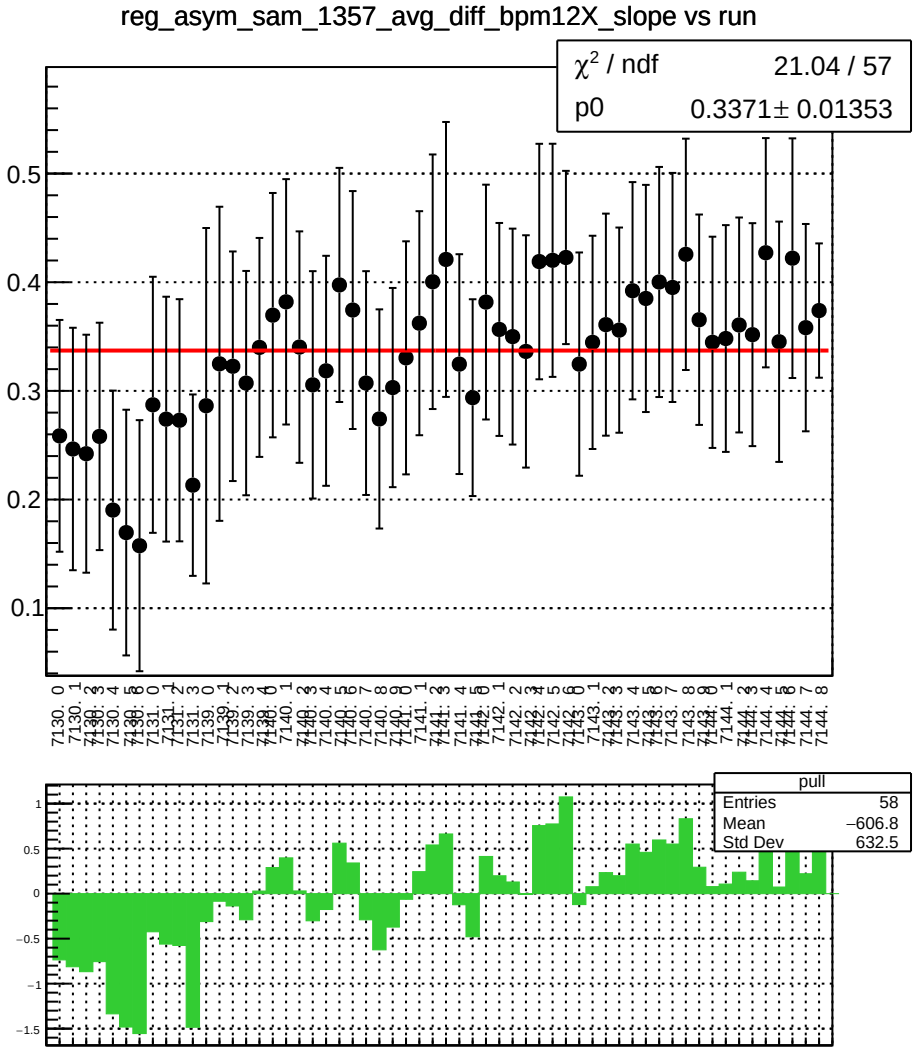


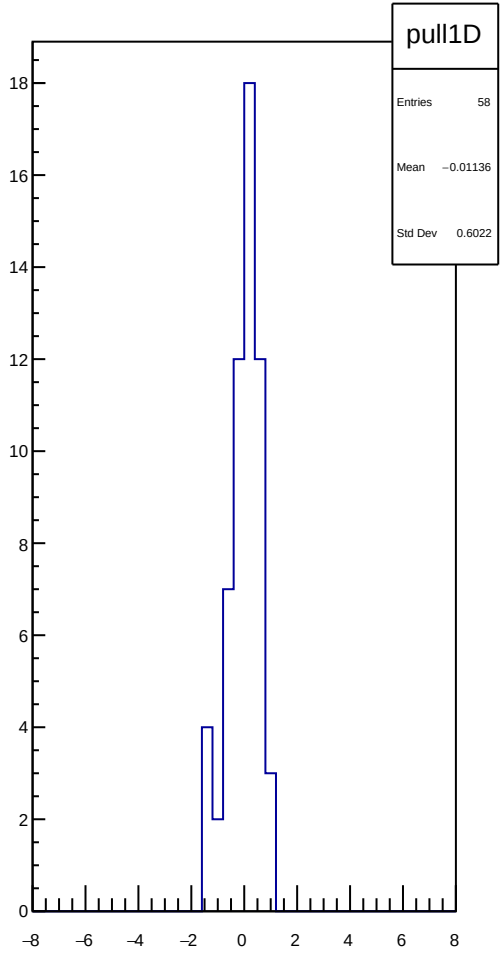

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 744.2 / 57
p0 −16.63 ± 0.3072
pull
Entries 58
Mean 4.905
Std Dev 11.6

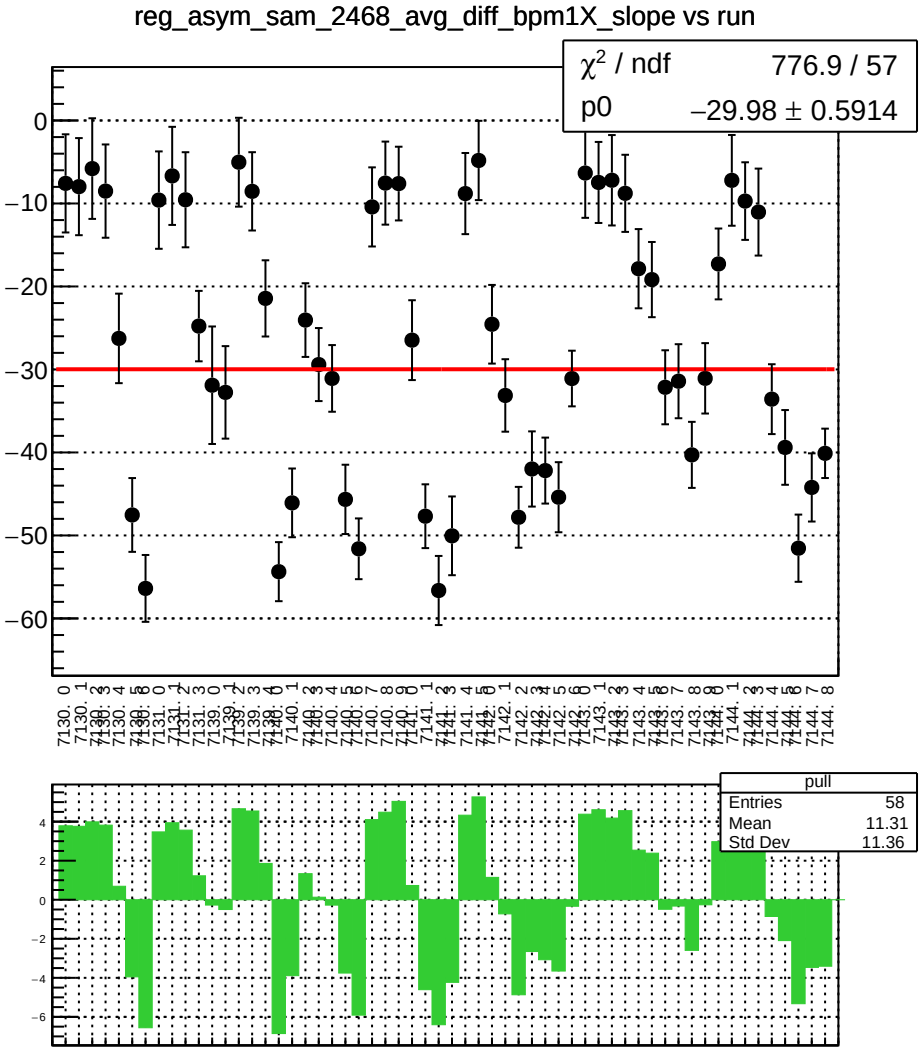

pull1D
Entries 58
Mean −0.4236
Std Dev 3.557

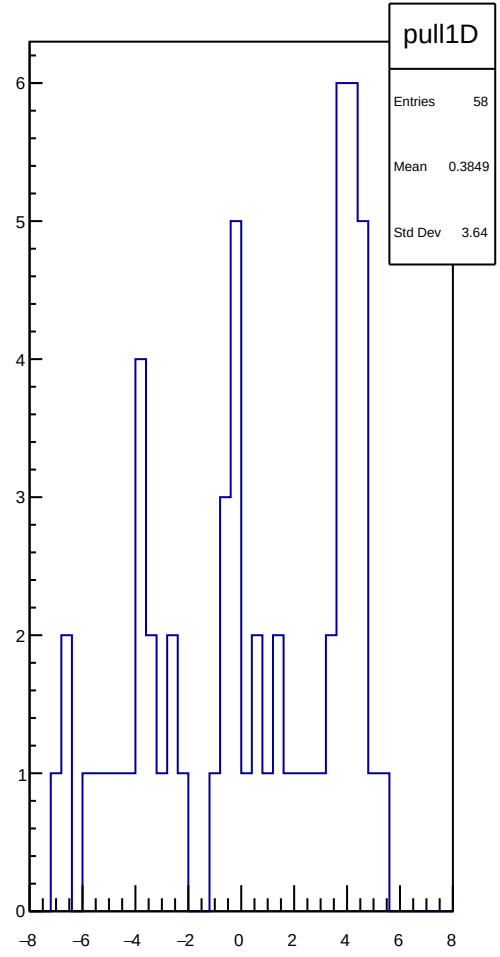

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 229.9 / 57
p0 23.17 ± 0.2919
pull
Entries 58
Mean −105.3
Std Dev 129.1

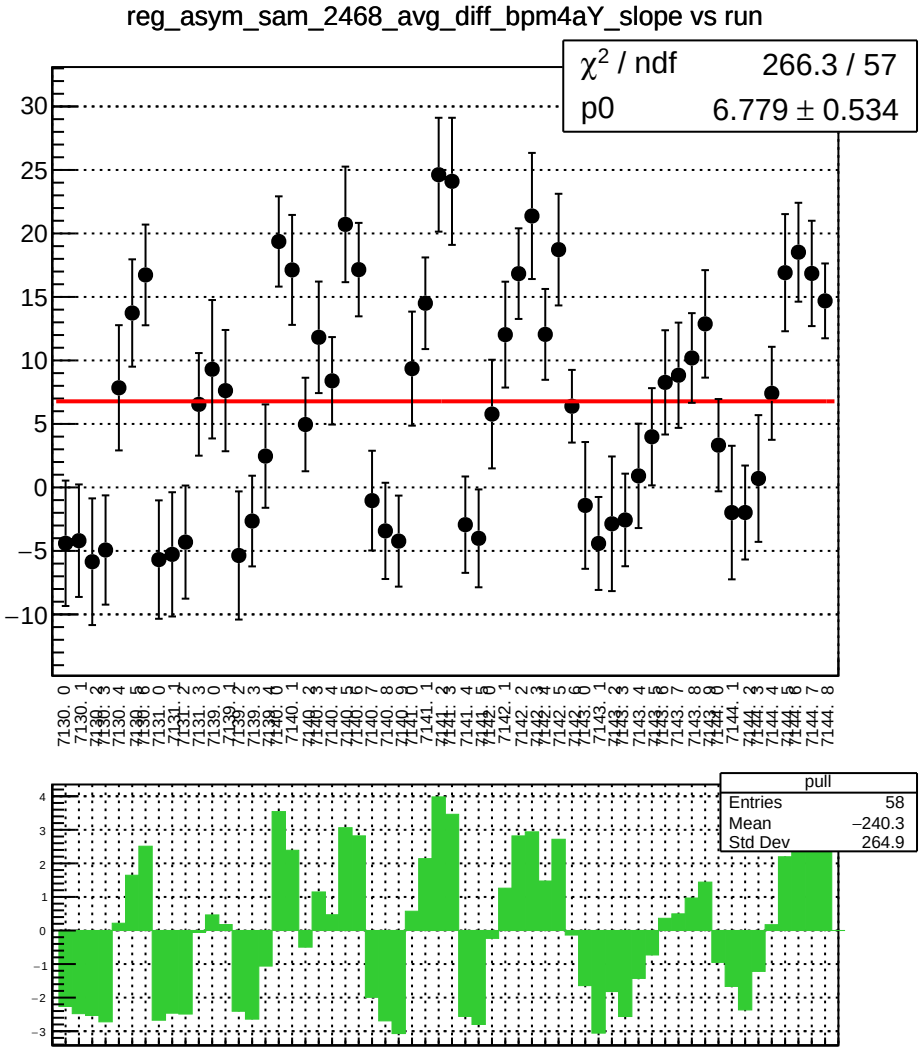

pull1D
Entries 58
Mean 0.07446
Std Dev 1.989

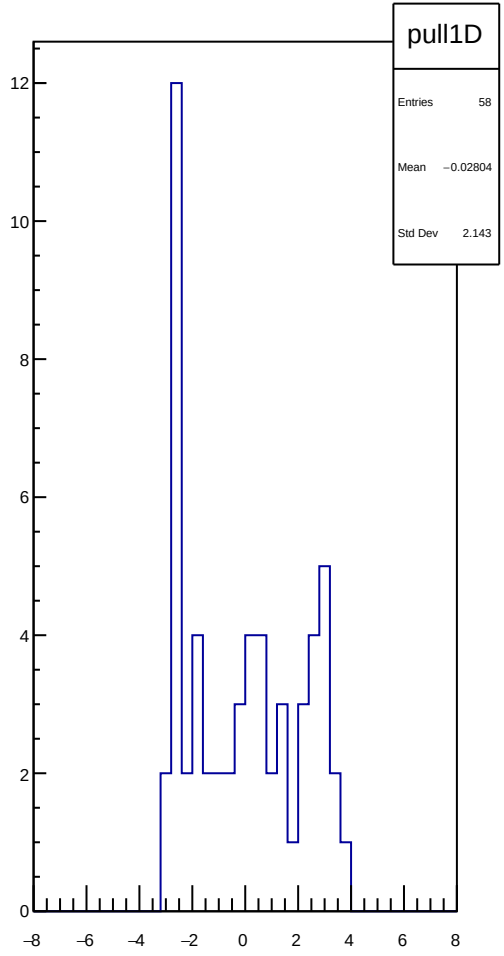

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 21.04 / 57
p0 0.3371± 0.01353
pull
Entries 58
Mean −606.8
Std Dev 632.5

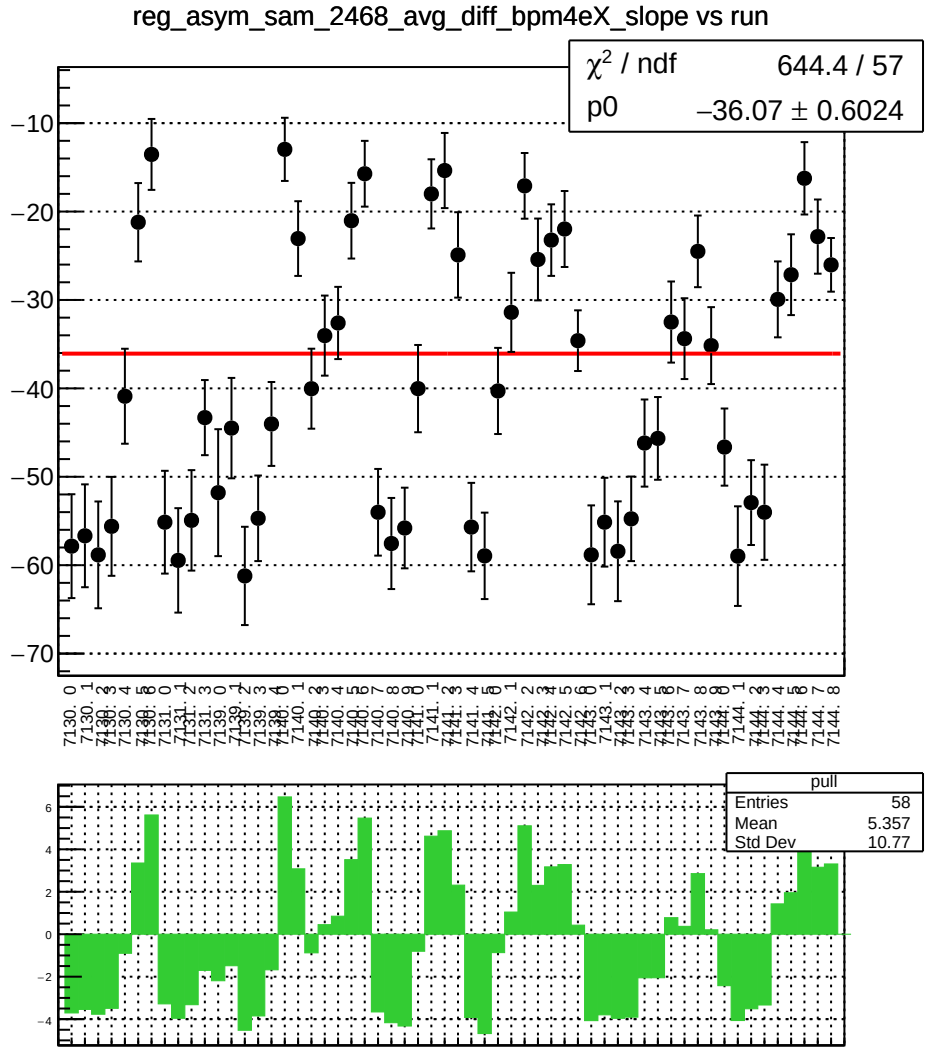

pull1D
Entries 58
Mean −0.01136
Std Dev 0.6022

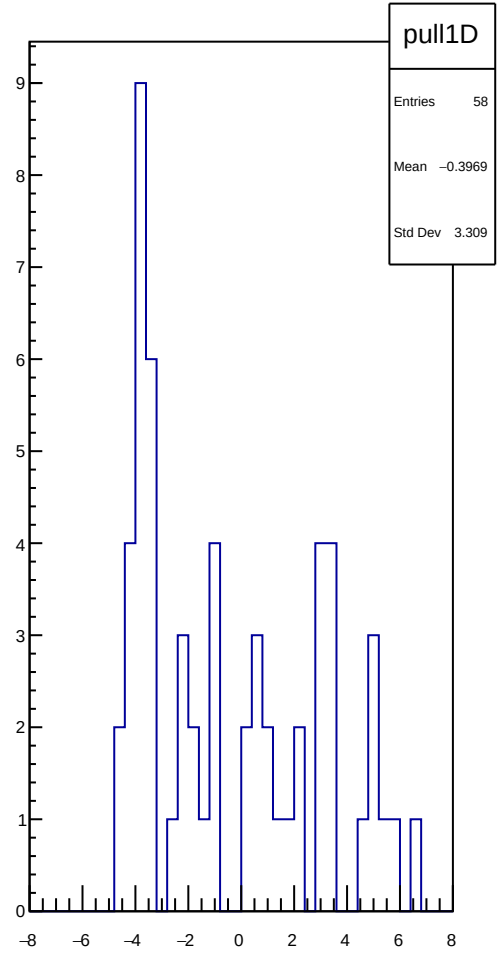

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 776.9 / 57
p0 −29.98 ± 0.5914
pull
Entries 58
Mean 11.31
Std Dev 11.36

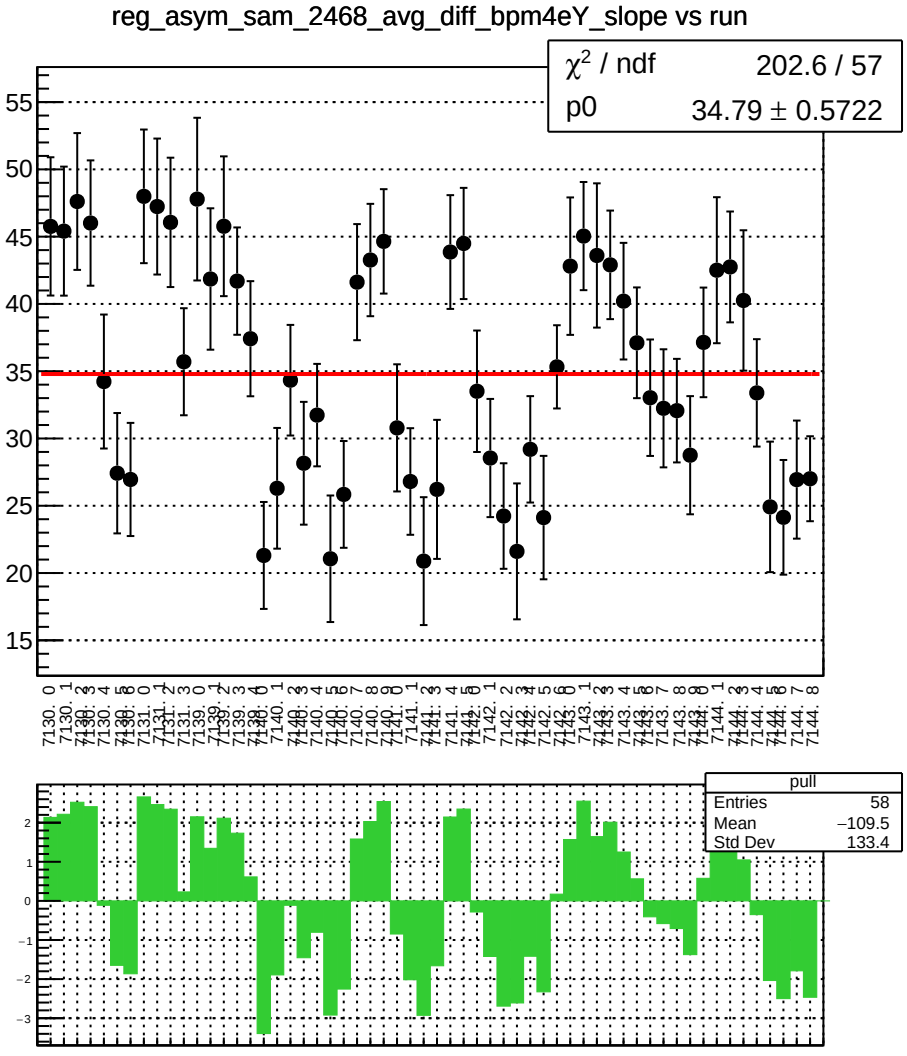

pull1D
Entries 58
Mean 0.3849
Std Dev 3.64

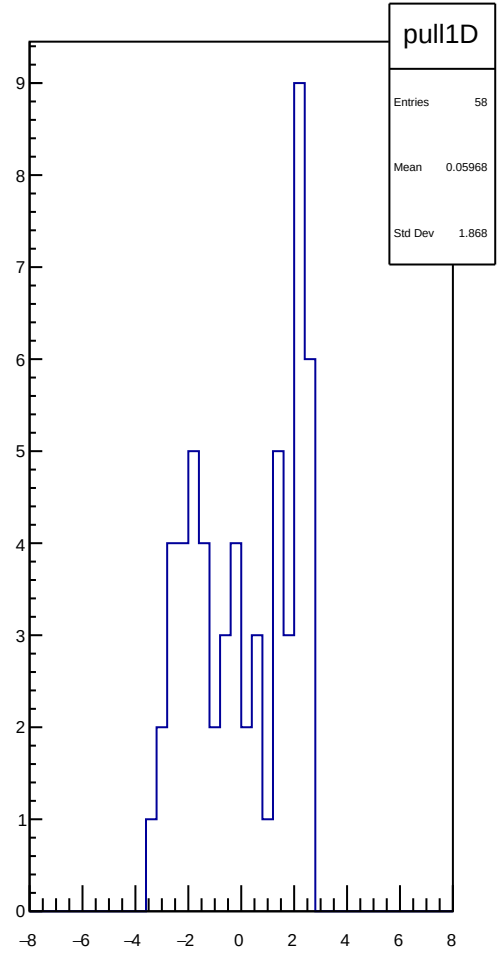

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 266.3 / 57
p0 6.779 ± 0.534
pull
Entries 58
Mean −240.3
Std Dev 264.9

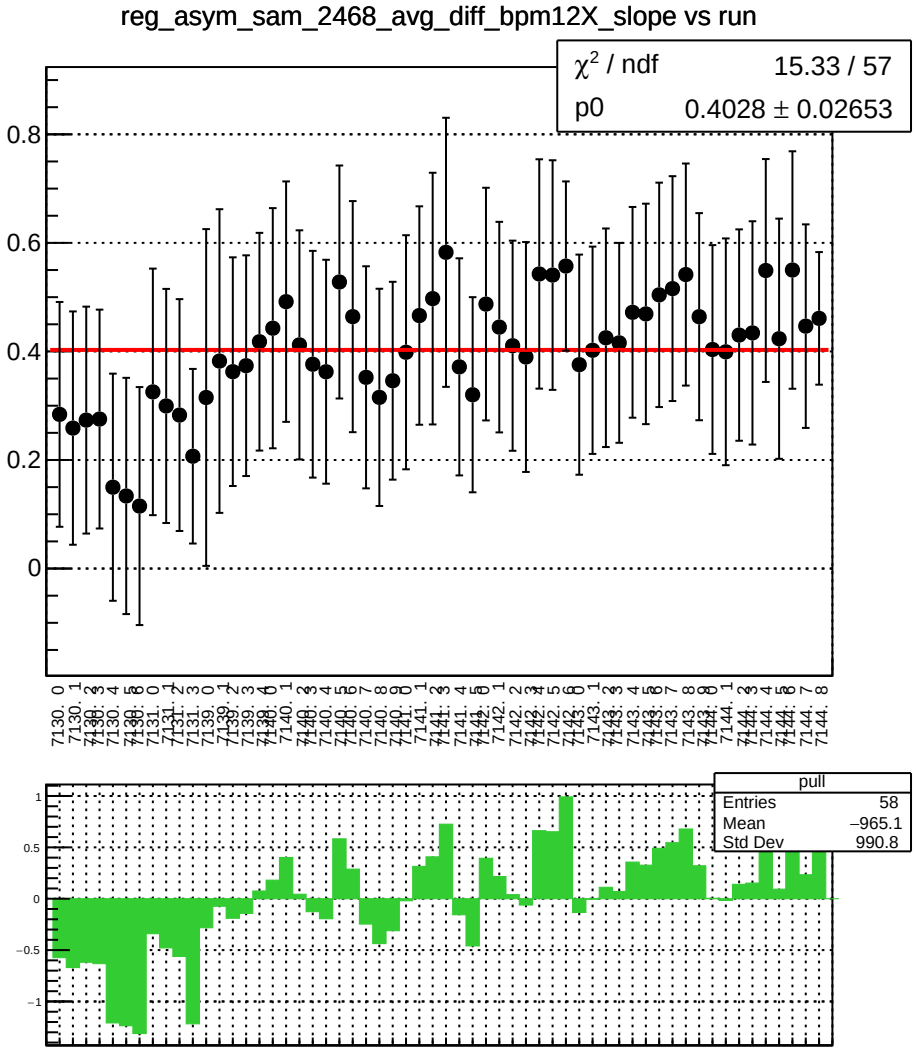

pull1D
Entries 58
Mean −0.02804
Std Dev 2.143

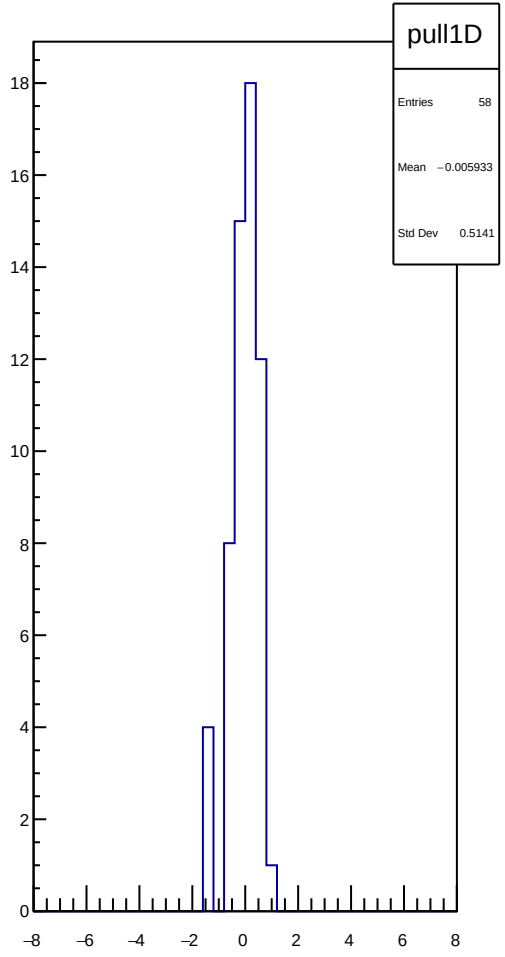

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 644.4 / 57
p0 −36.07 ± 0.6024
pull
Entries 58
Mean 5.357
Std Dev 10.77


pull1D
Entries 58
Mean −0.3969
Std Dev 3.309

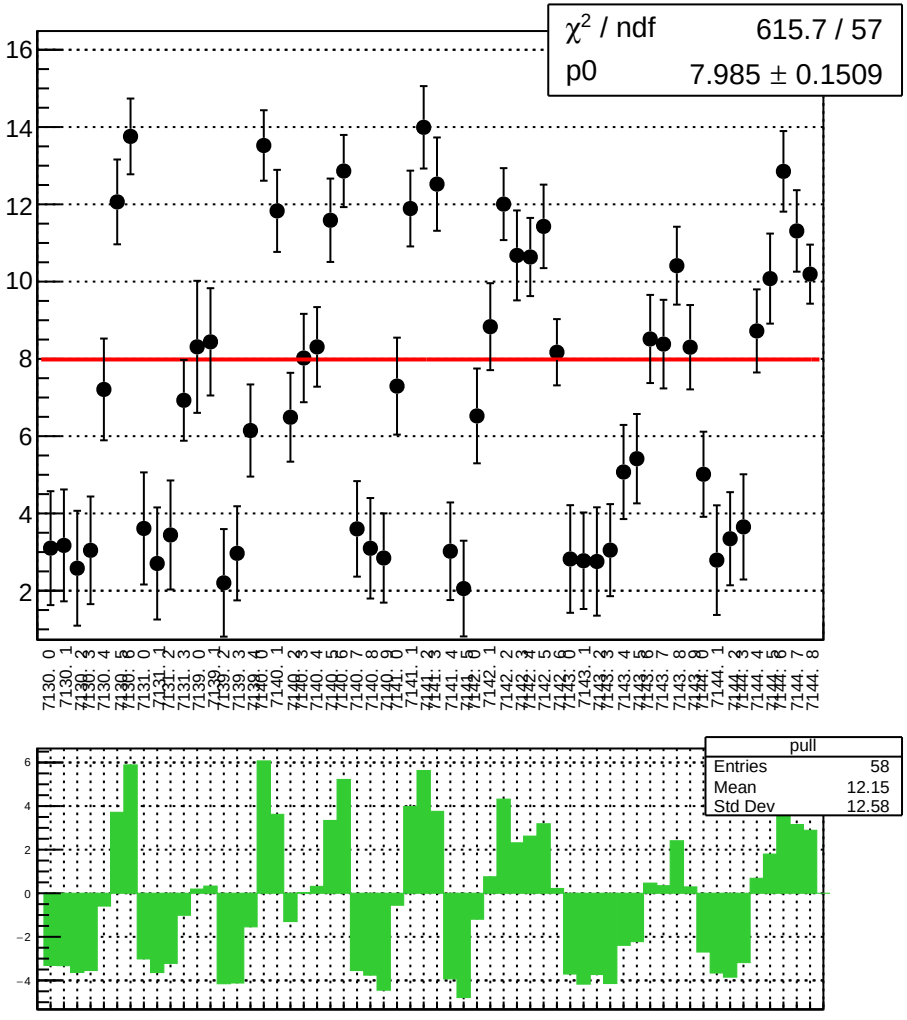

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 202.6 / 57
p0 34.79 ± 0.5722
pull
Entries 58
Mean −109.5
Std Dev 133.4

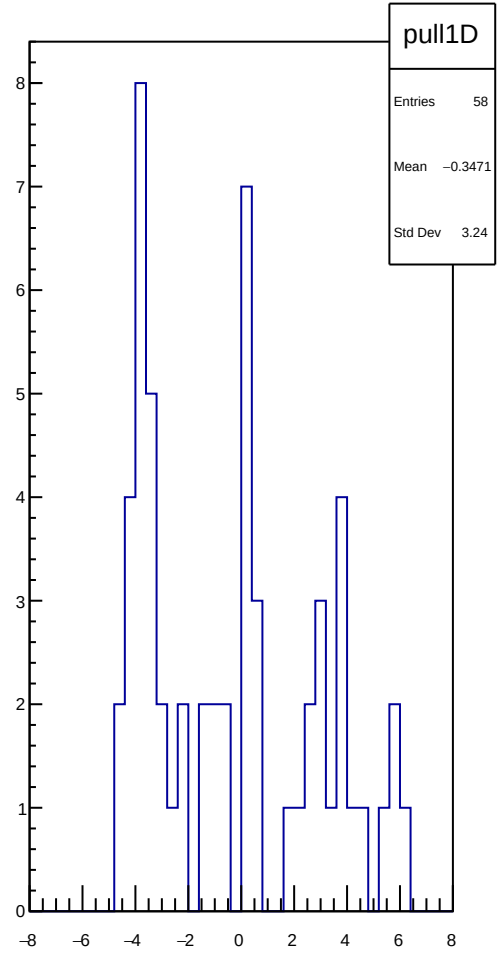

pull1D
Entries 58
Mean 0.05968
Std Dev 1.868


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 15.33 / 57
p0 0.4028 ± 0.02653
pull
Entries 58
Mean −965.1
Std Dev 990.8

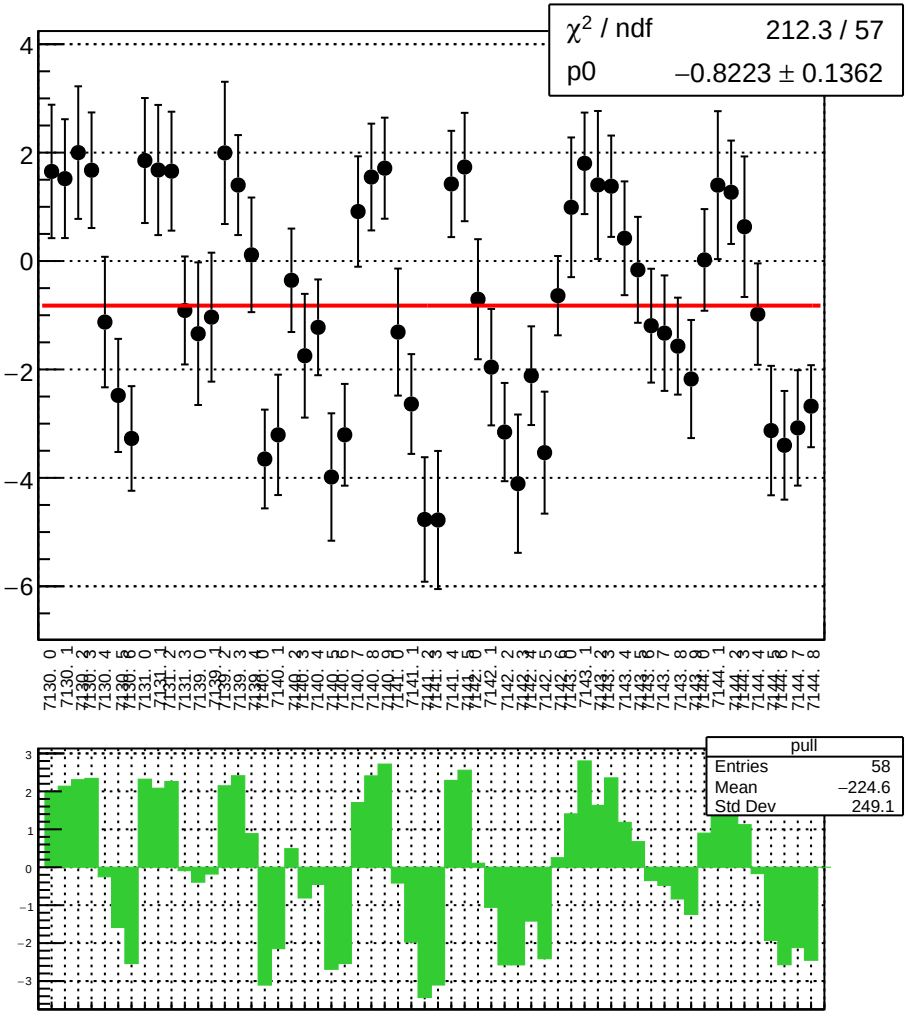

pull1D
Entries 58
Mean −0.005933
Std Dev 0.5141

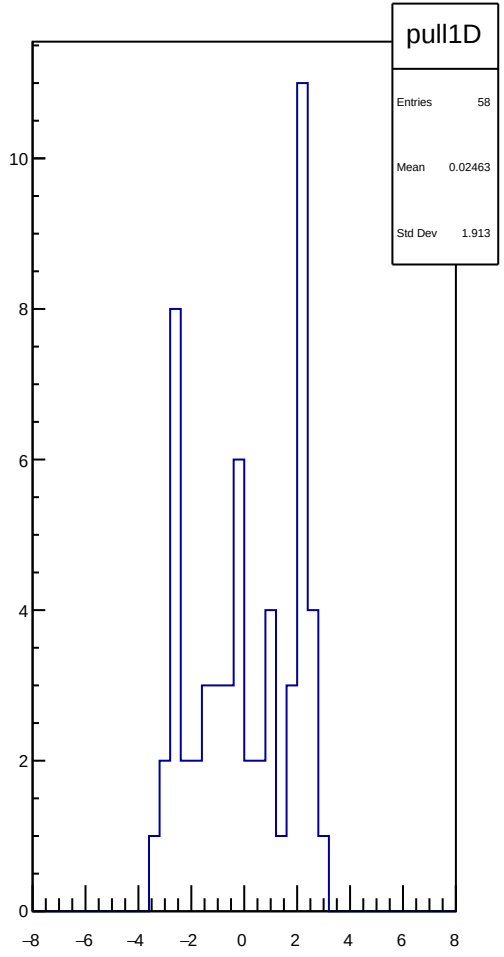
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run



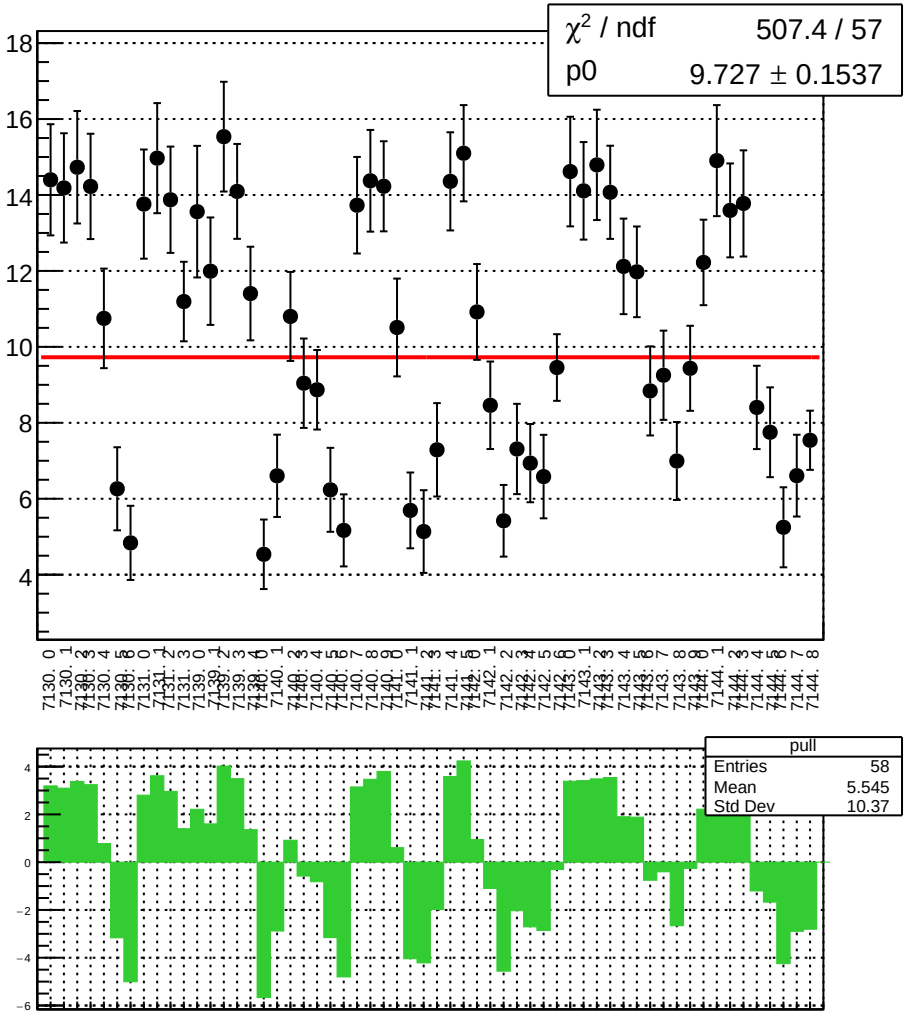


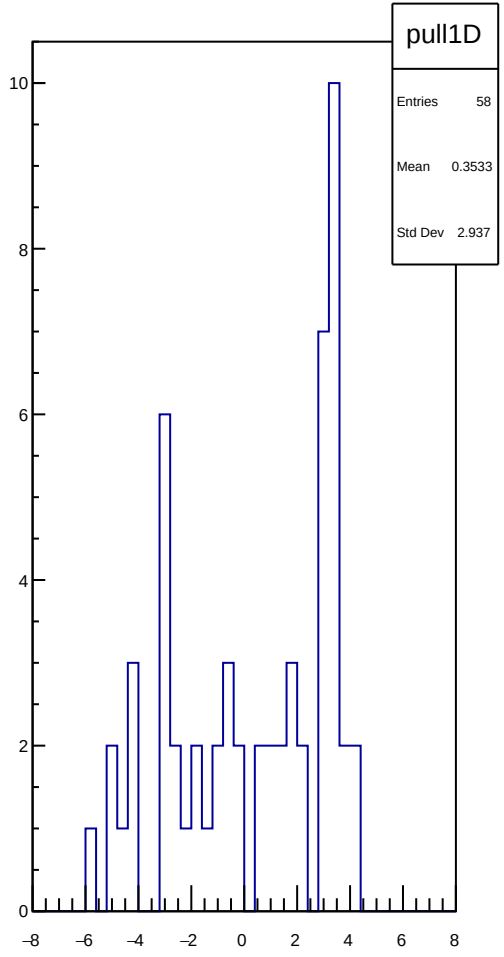
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run



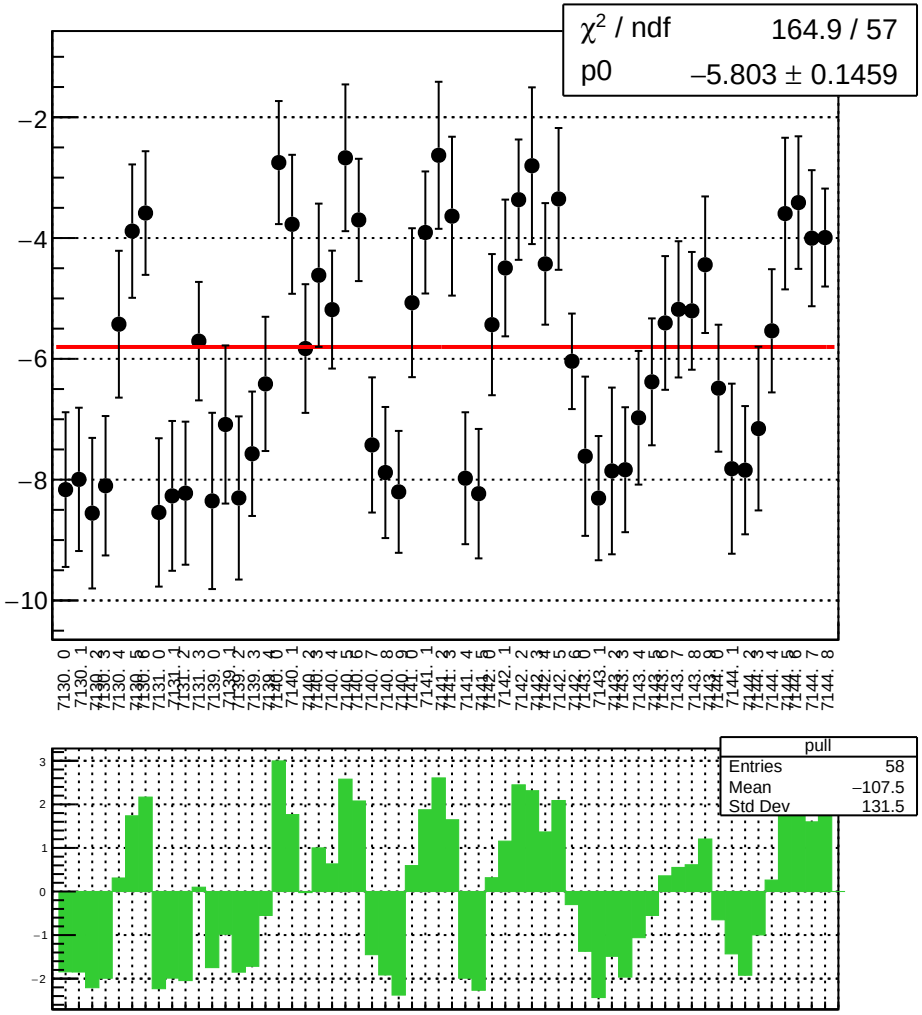


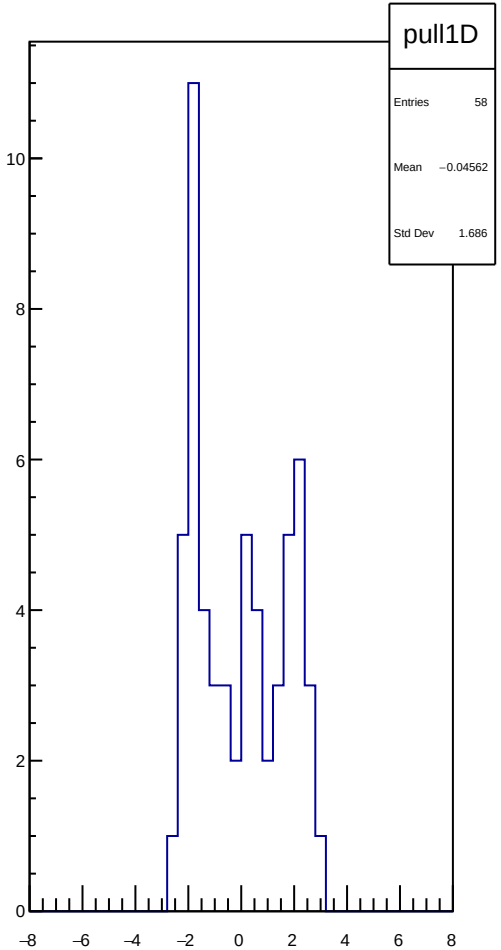
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

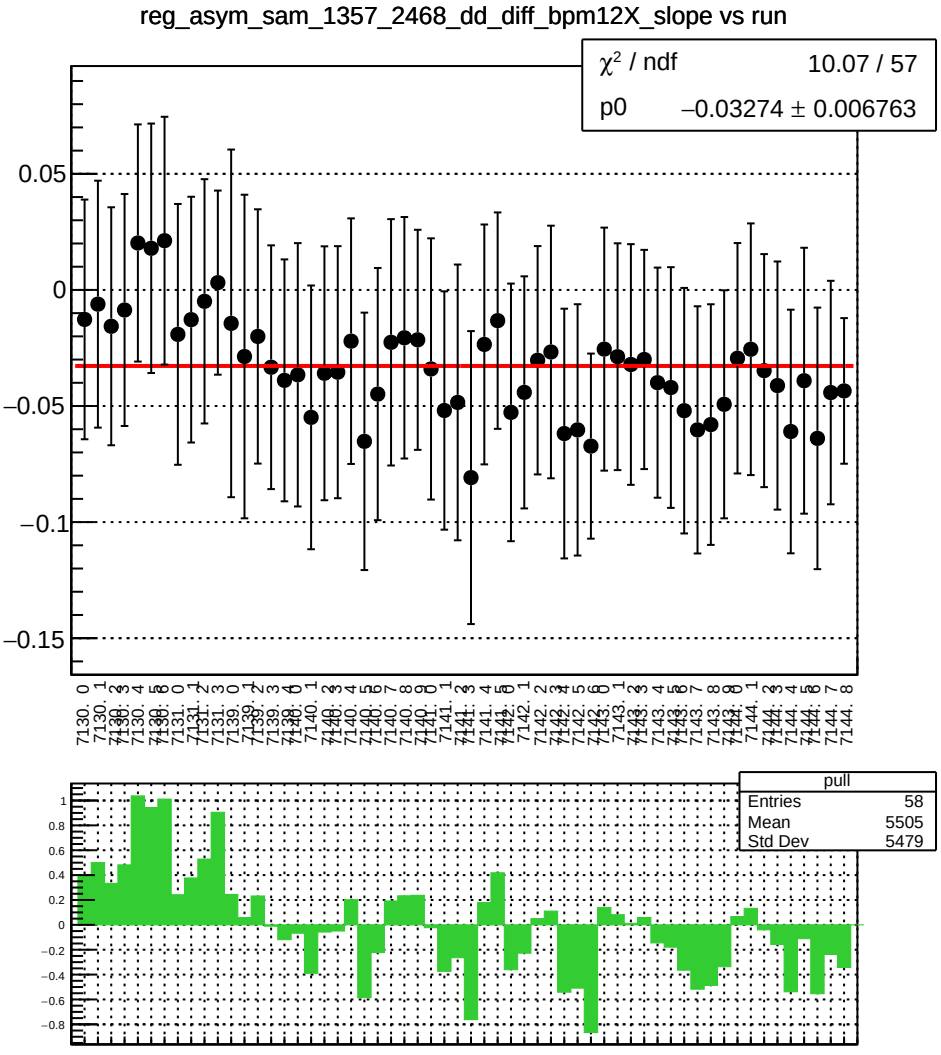


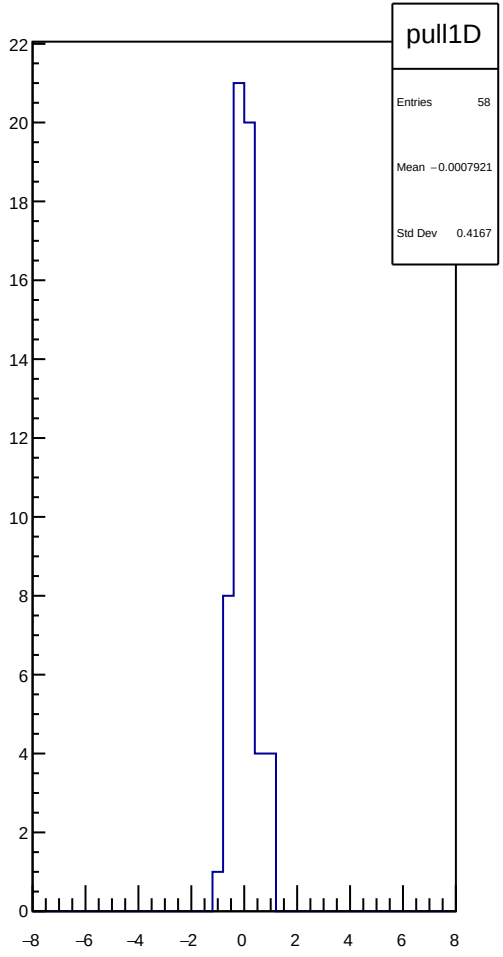


reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

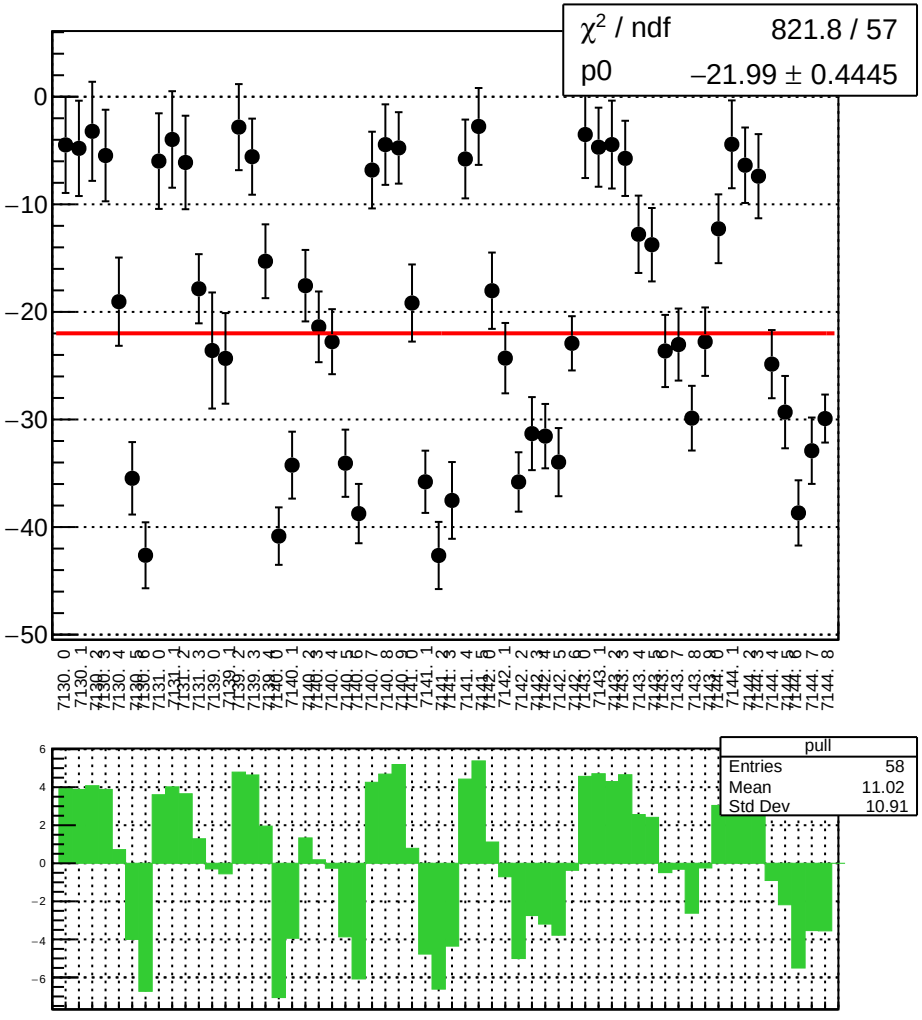


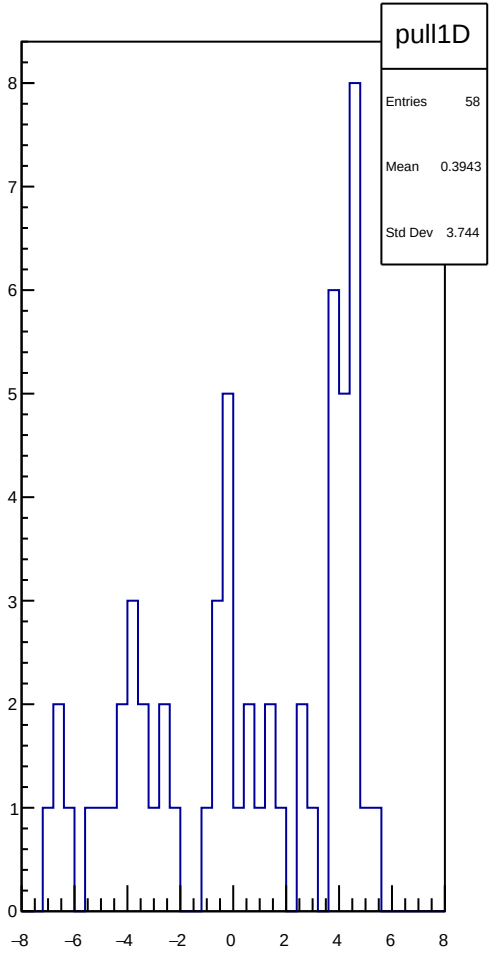



reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 10.07 / 57
p0 −0.03274 ± 0.006763
pull
Entries 58
Mean 5505
Std Dev 5479

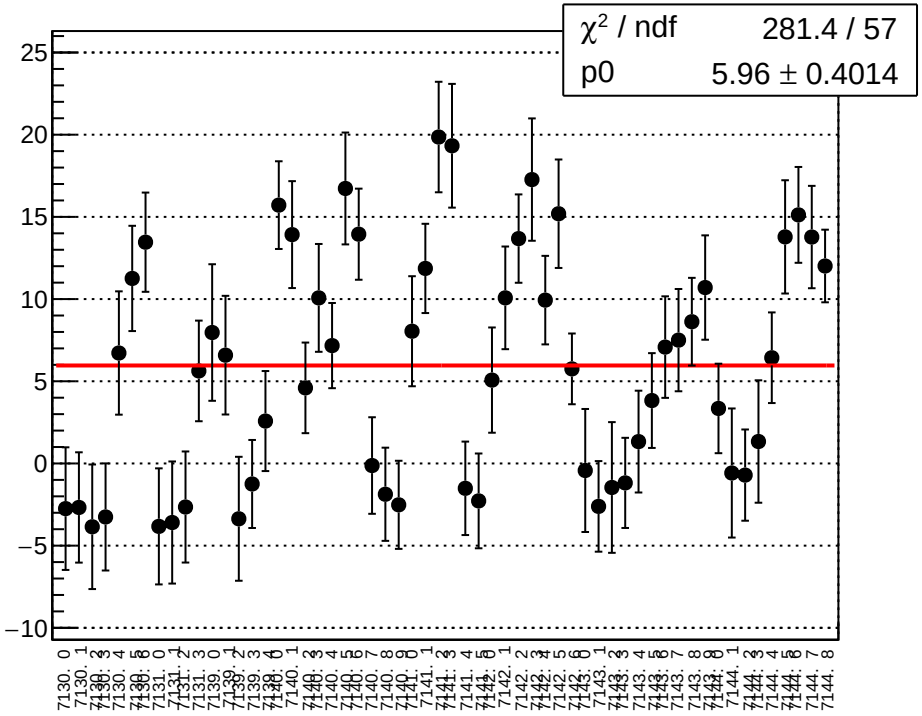

pull1D
Entries 58
Mean −0.0007921
Std Dev 0.4167

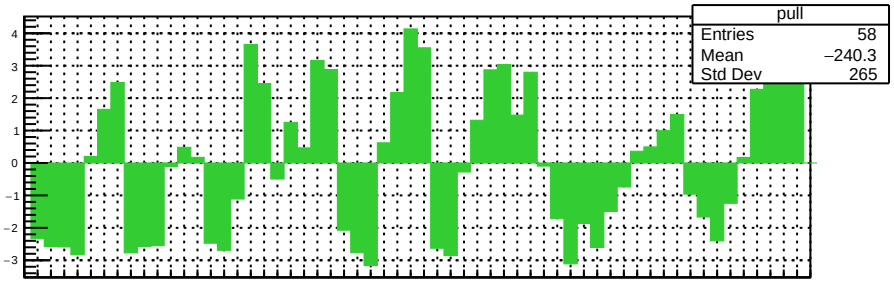
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run

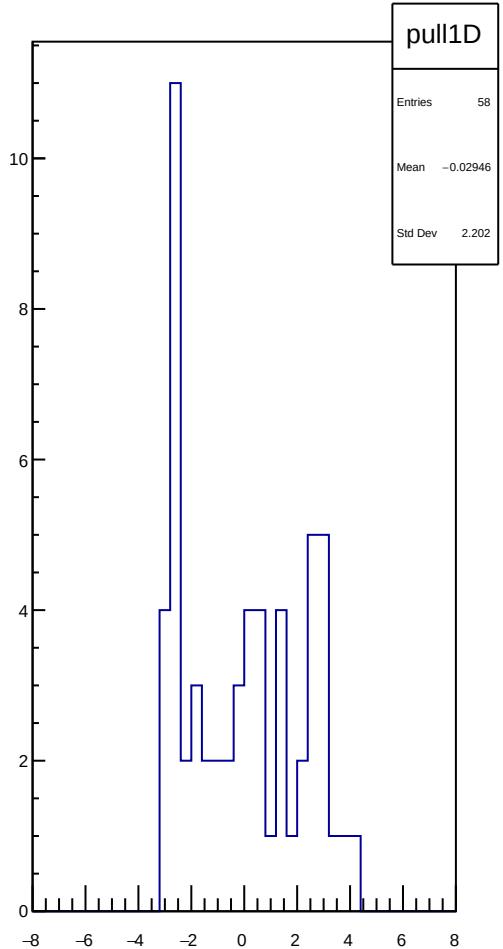




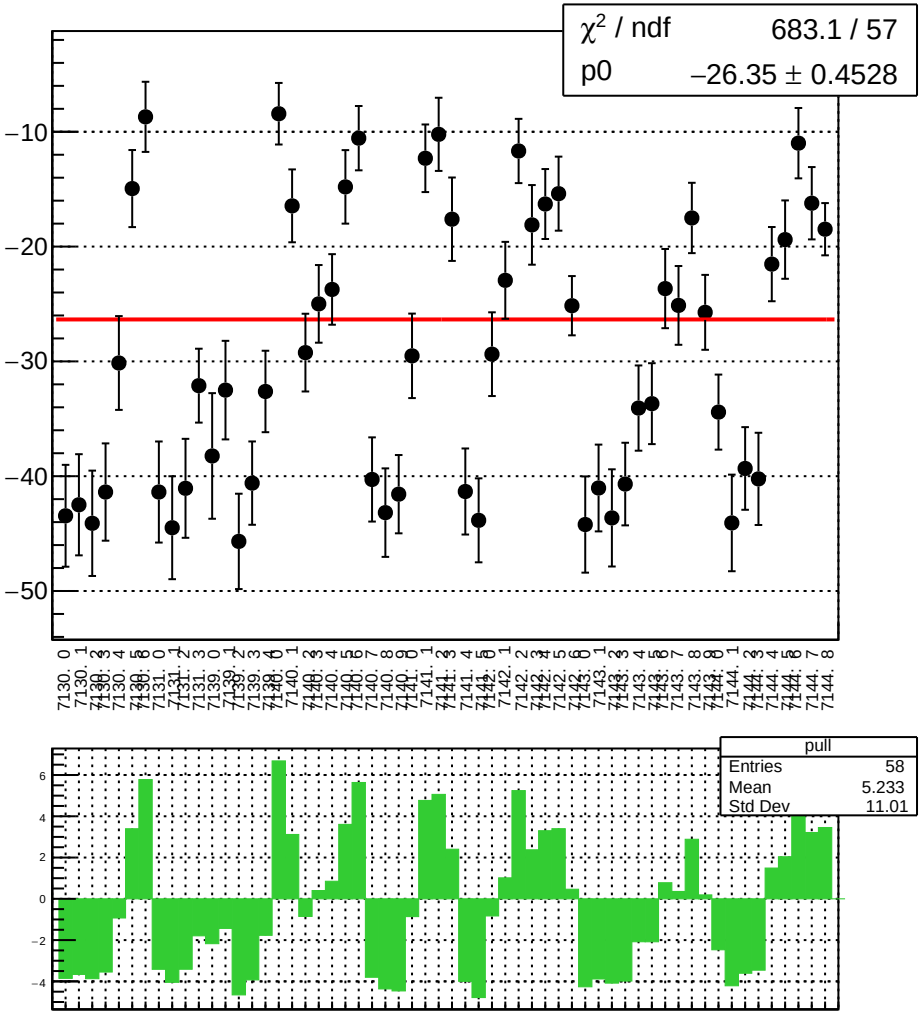
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

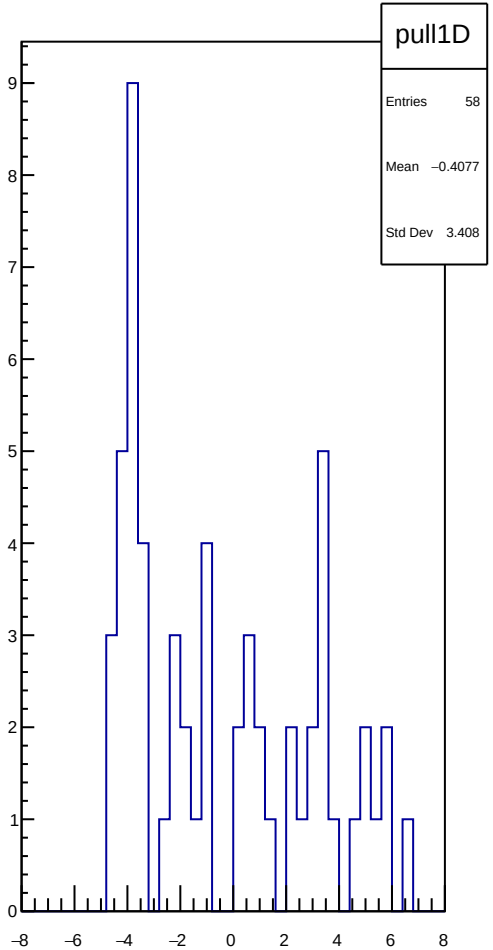




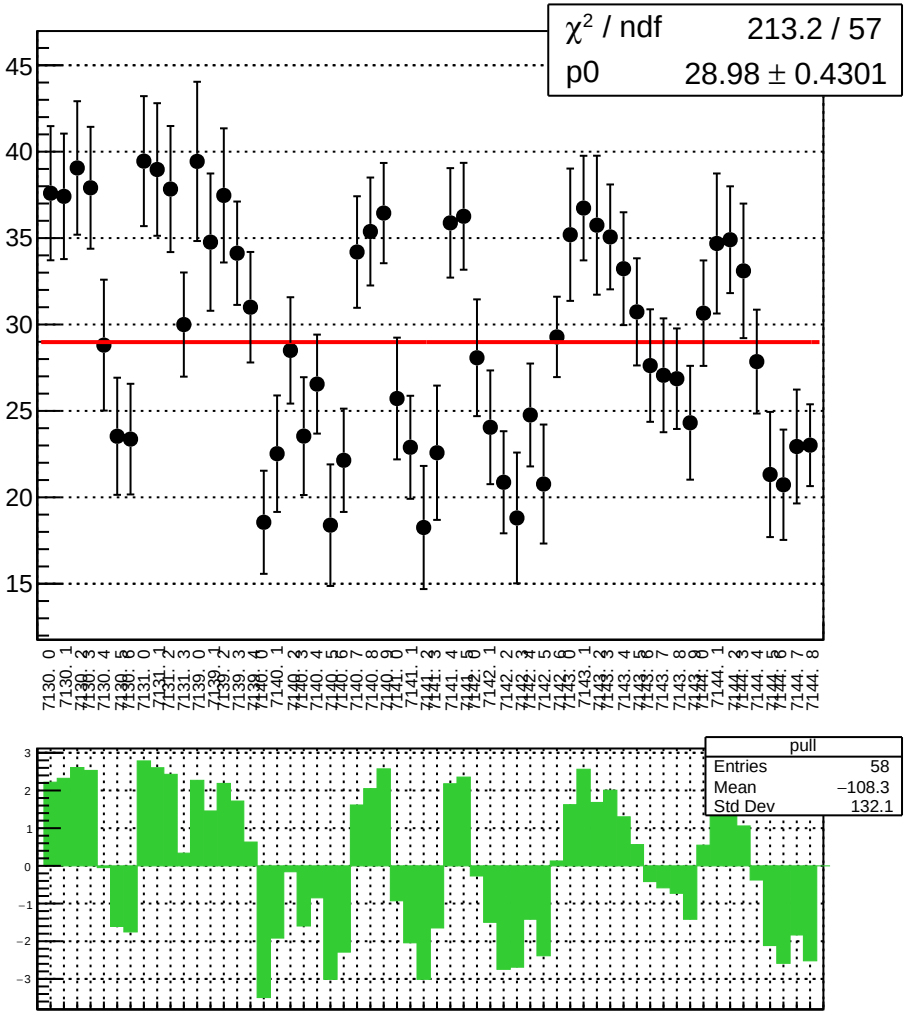


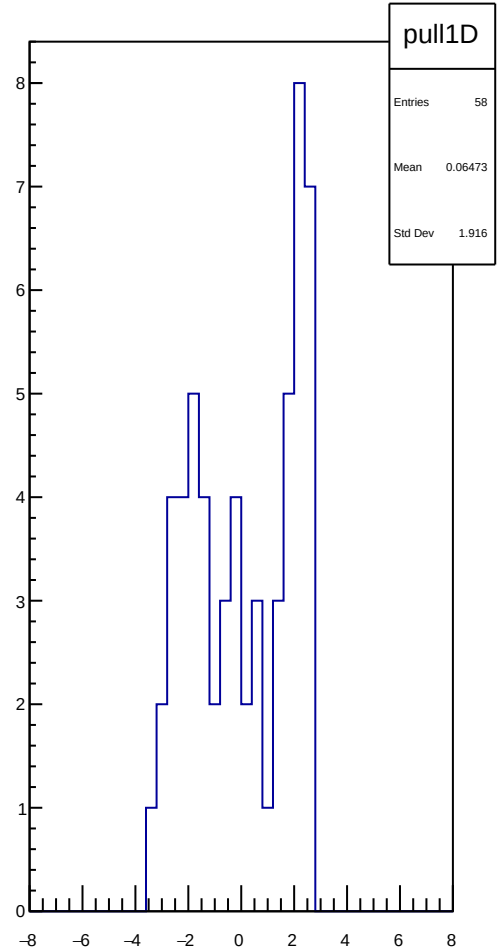
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run



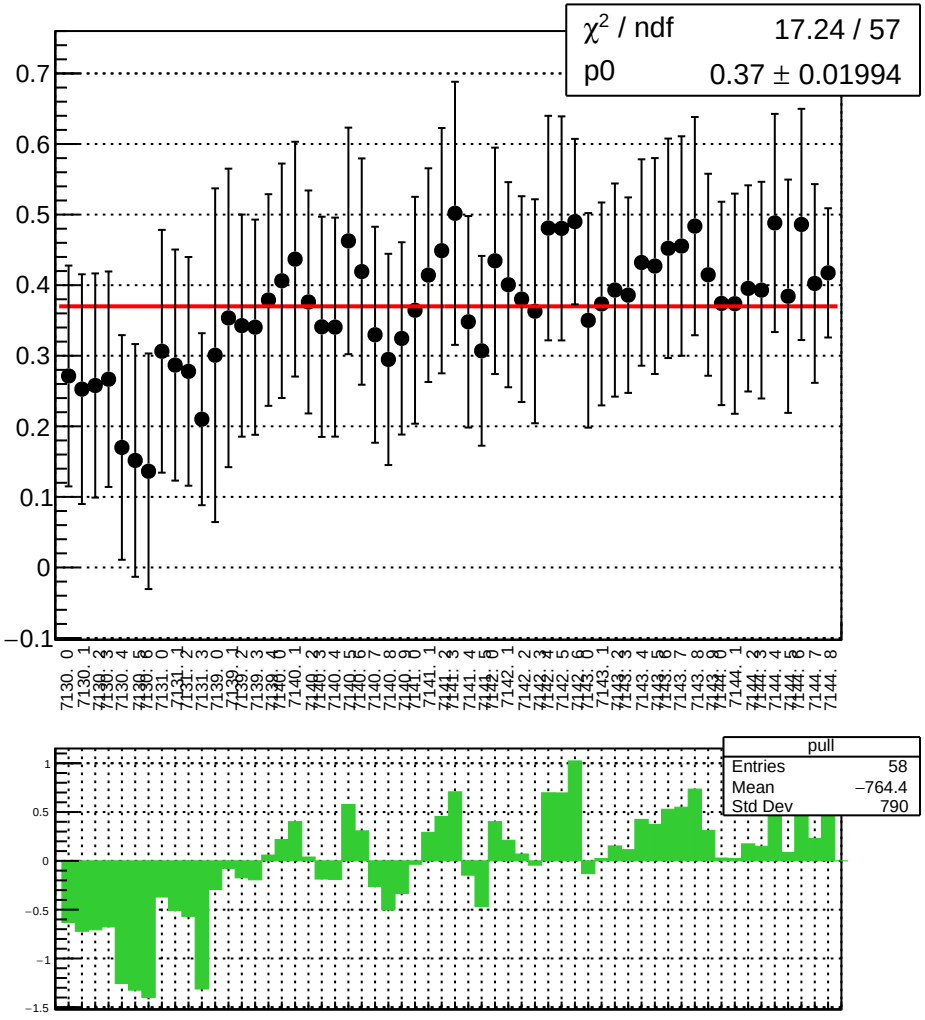


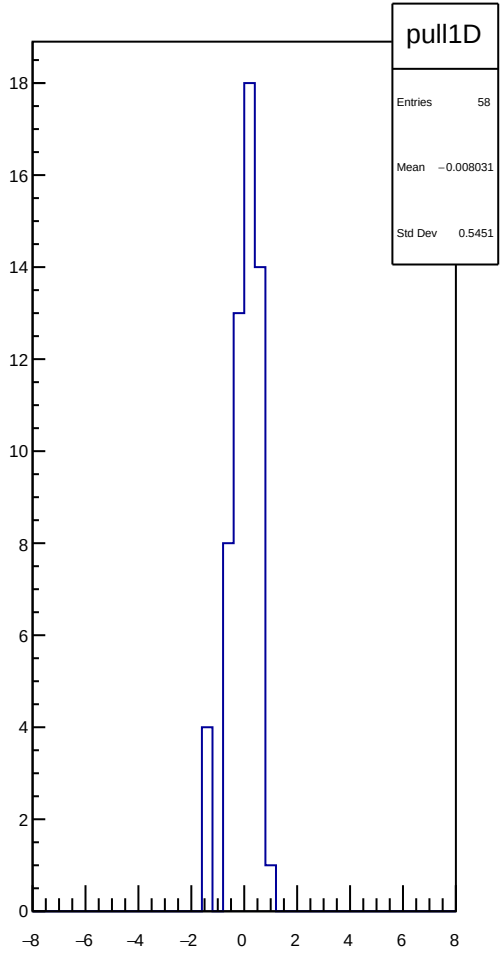
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

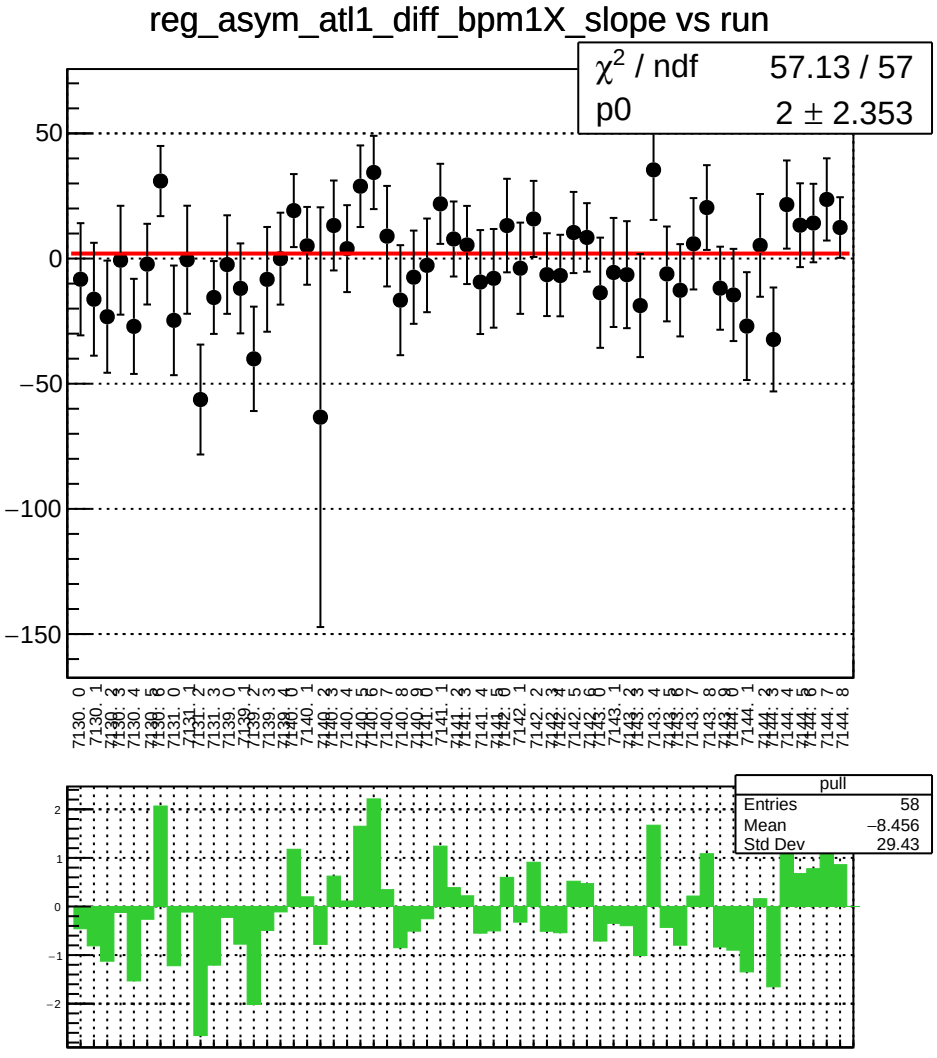


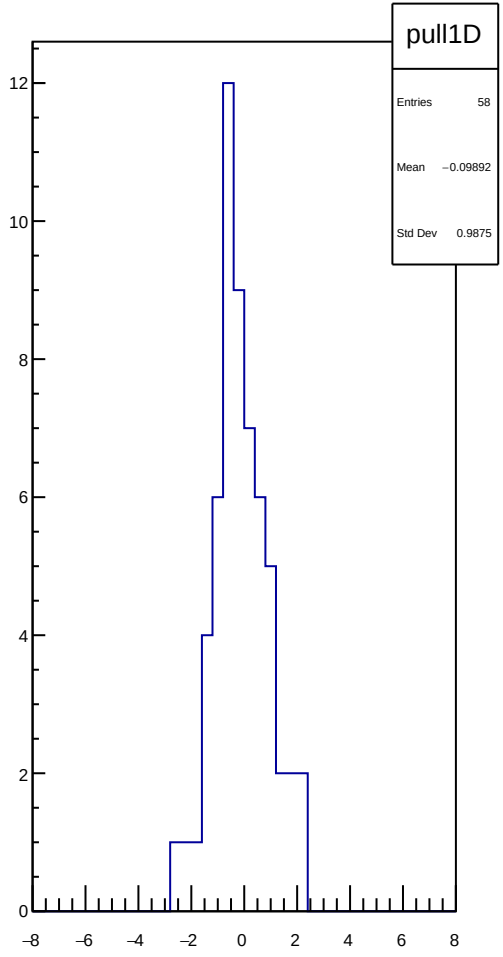


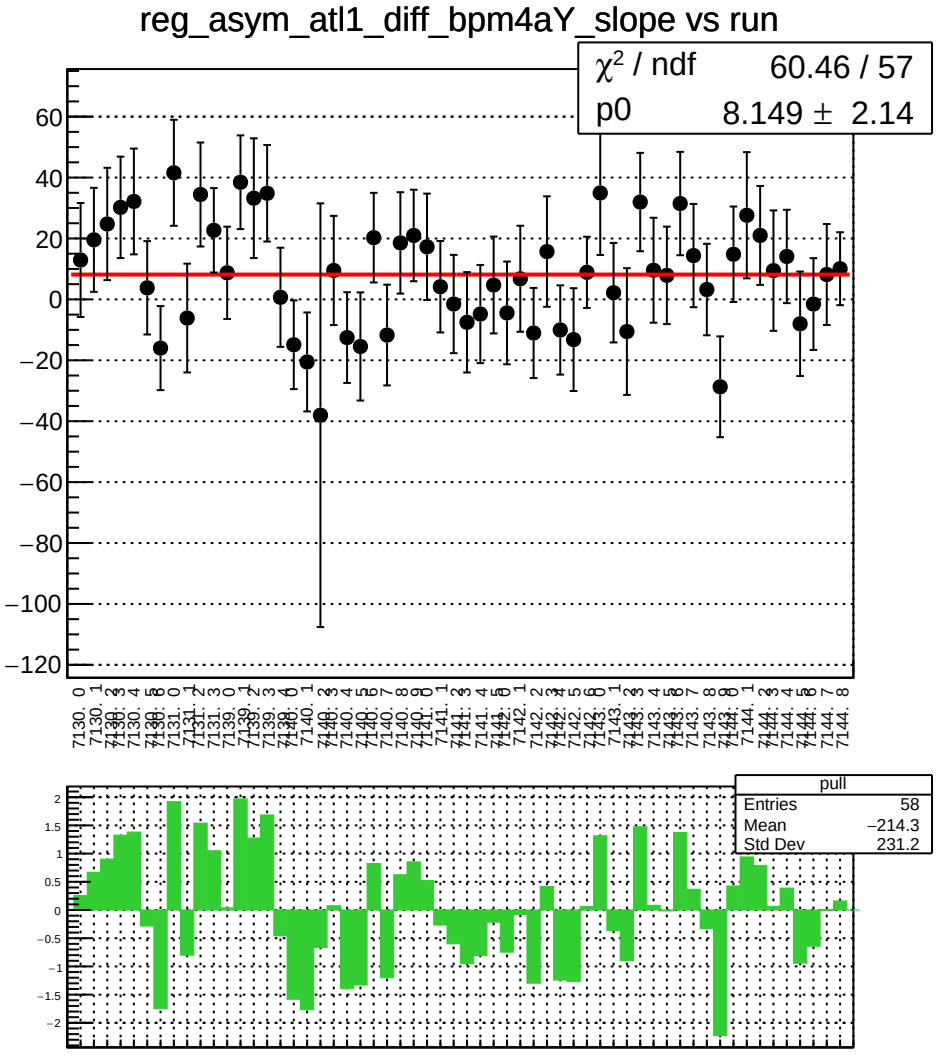
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

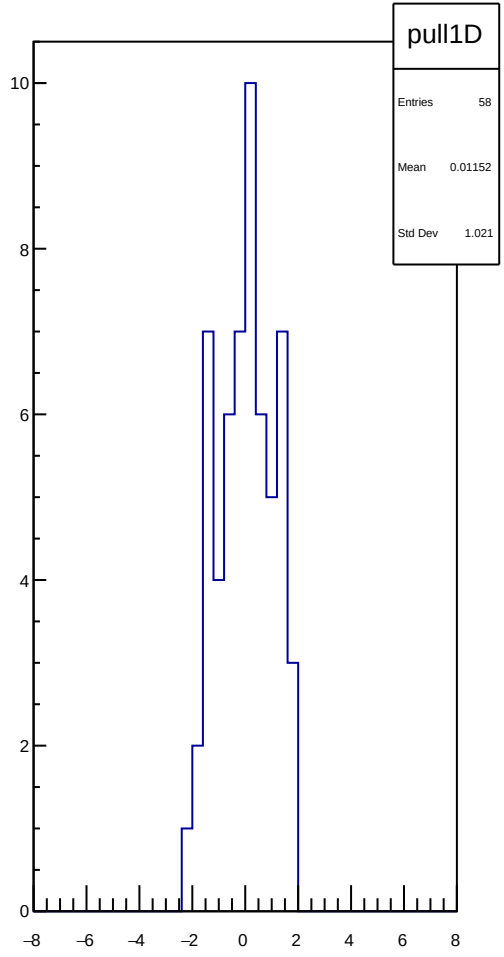


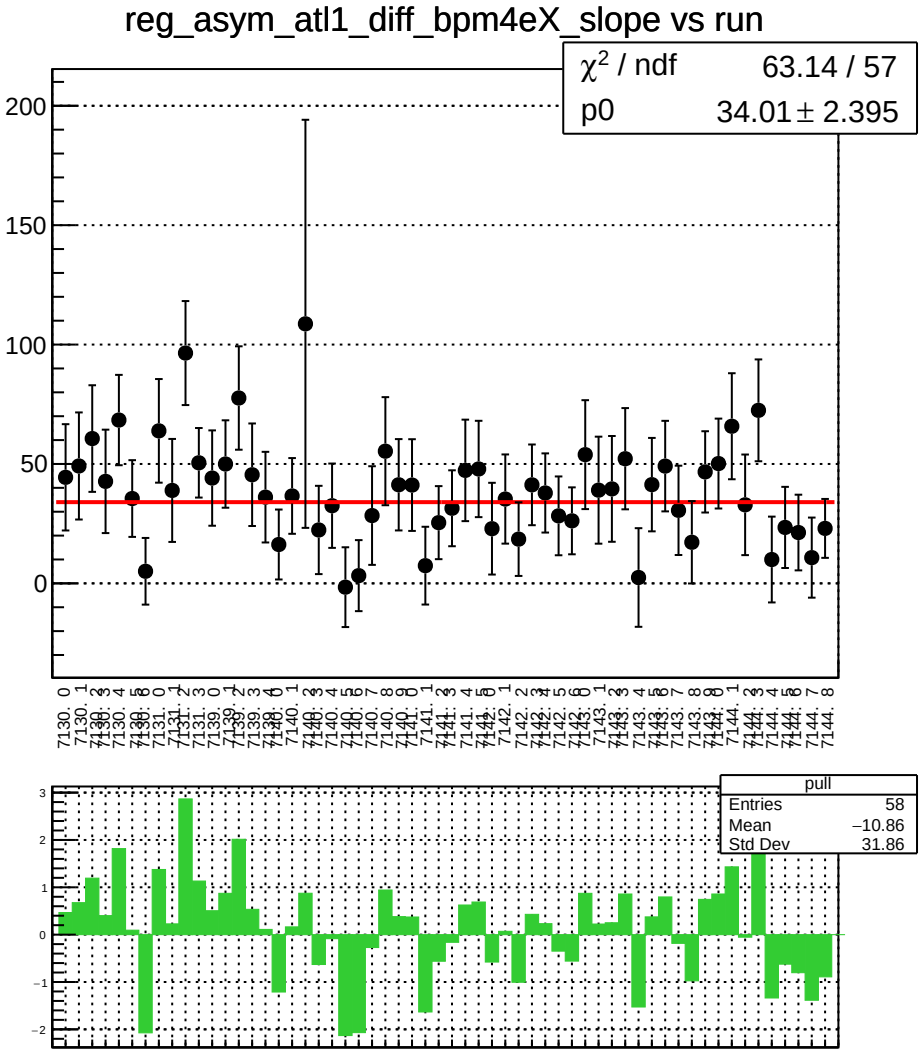


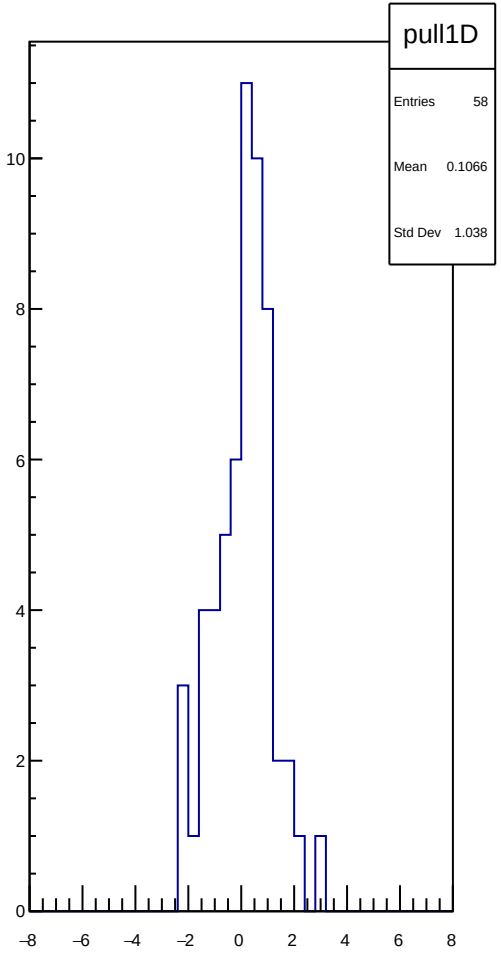

reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 57.13 / 57
p0 2 ± 2.353
pull
Entries 58
Mean −8.456
Std Dev 29.43

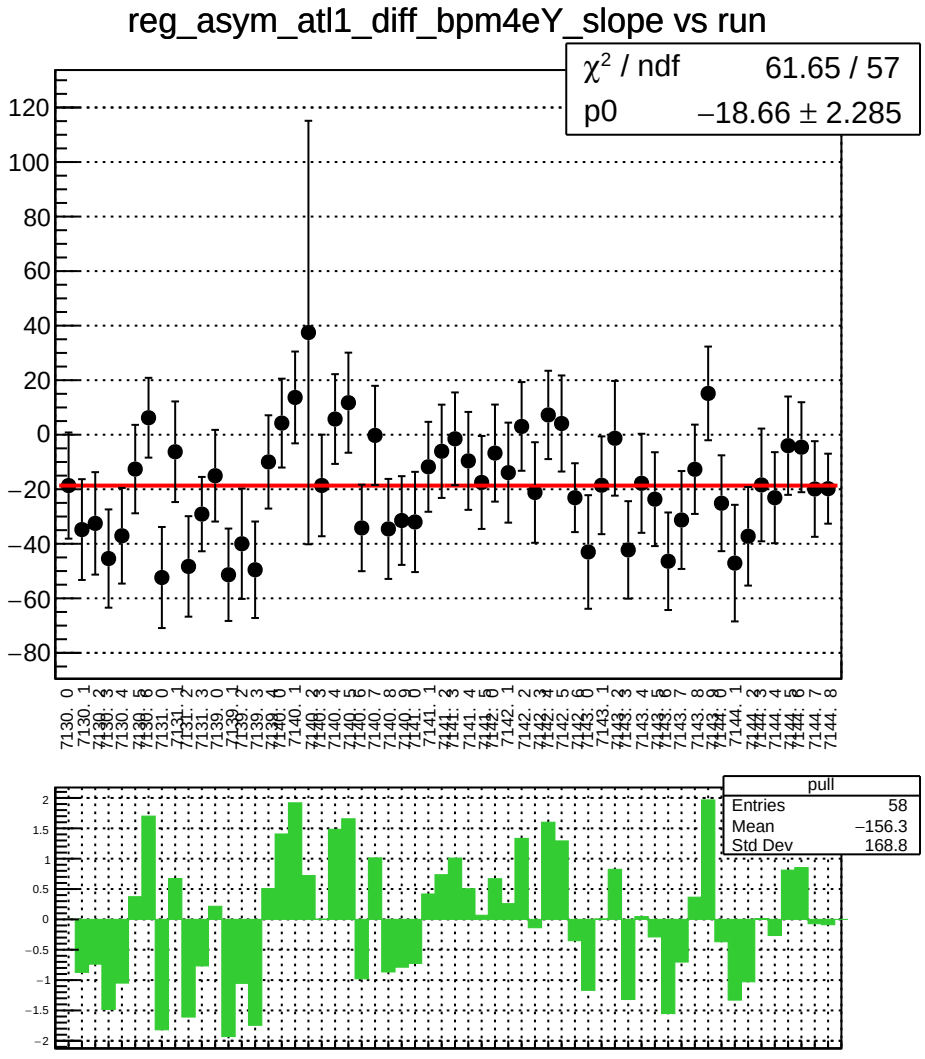

pull1D
Entries 58
Mean −0.09892
Std Dev 0.9875

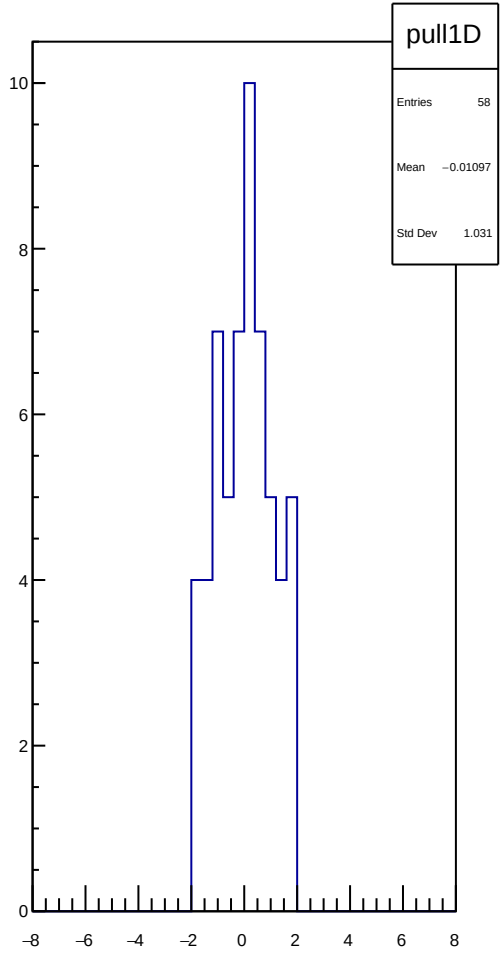

reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 60.46 / 57
p0 8.149 ± 2.14
pull
Entries 58
Mean −214.3
Std Dev 231.2

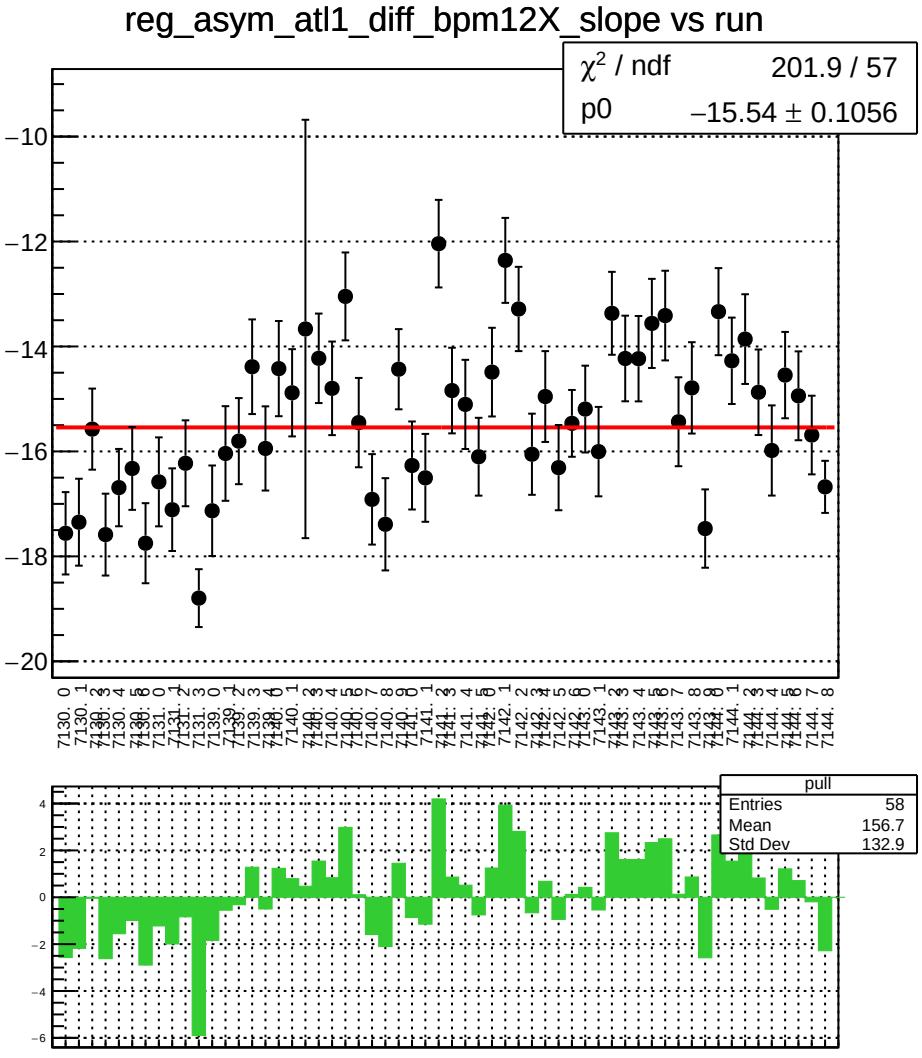

pull1D
Entries 58
Mean 0.01152
Std Dev 1.021

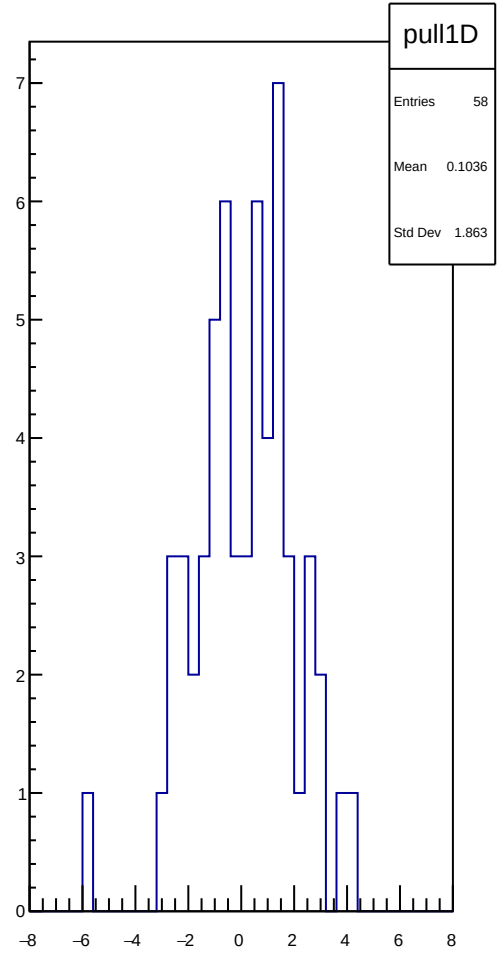

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 63.14 / 57
p0 34.01 ± 2.395
pull
Entries 58
Mean −10.86
Std Dev 31.86

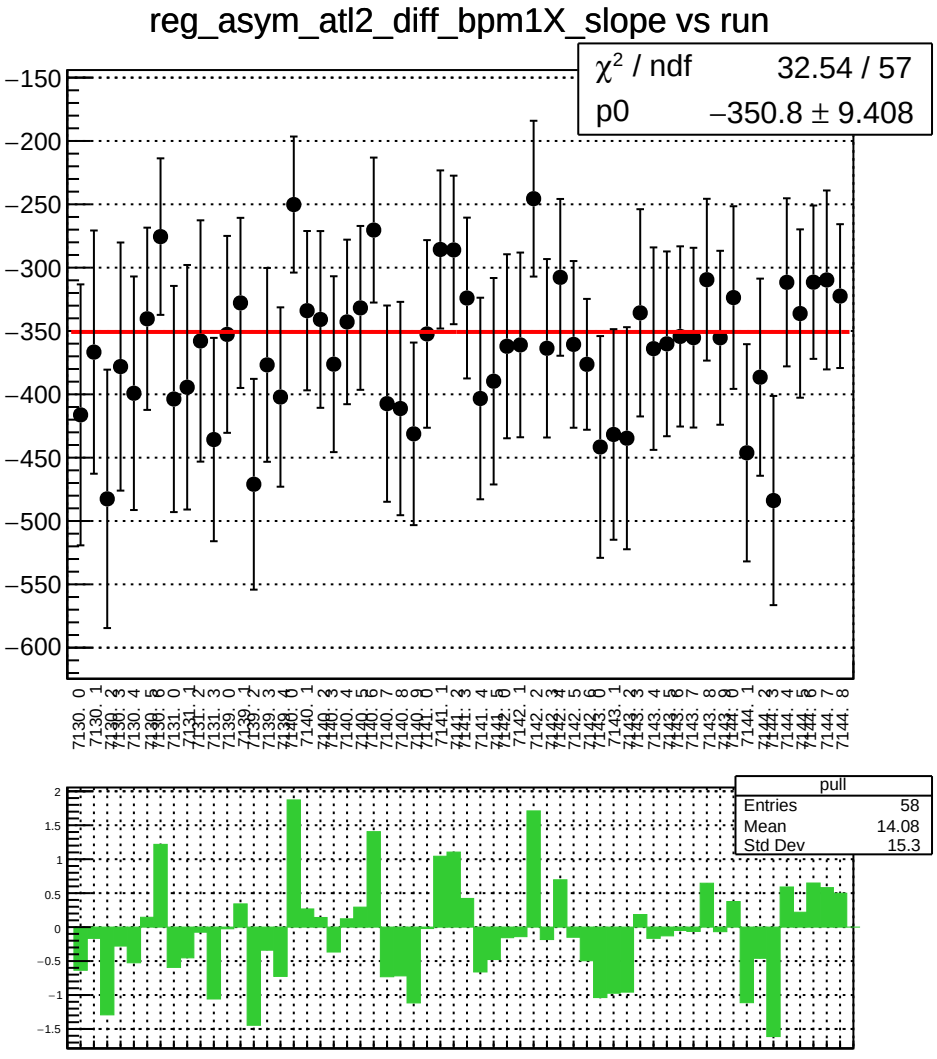

pull1D
Entries 58
Mean 0.1066
Std Dev 1.038

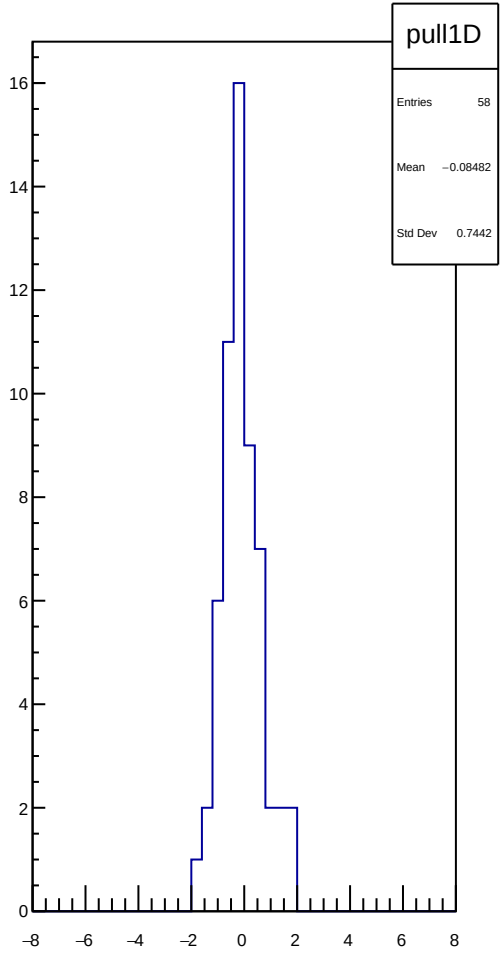

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 61.65 / 57
p0 −18.66 ± 2.285
pull
Entries 58
Mean −156.3
Std Dev 168.8

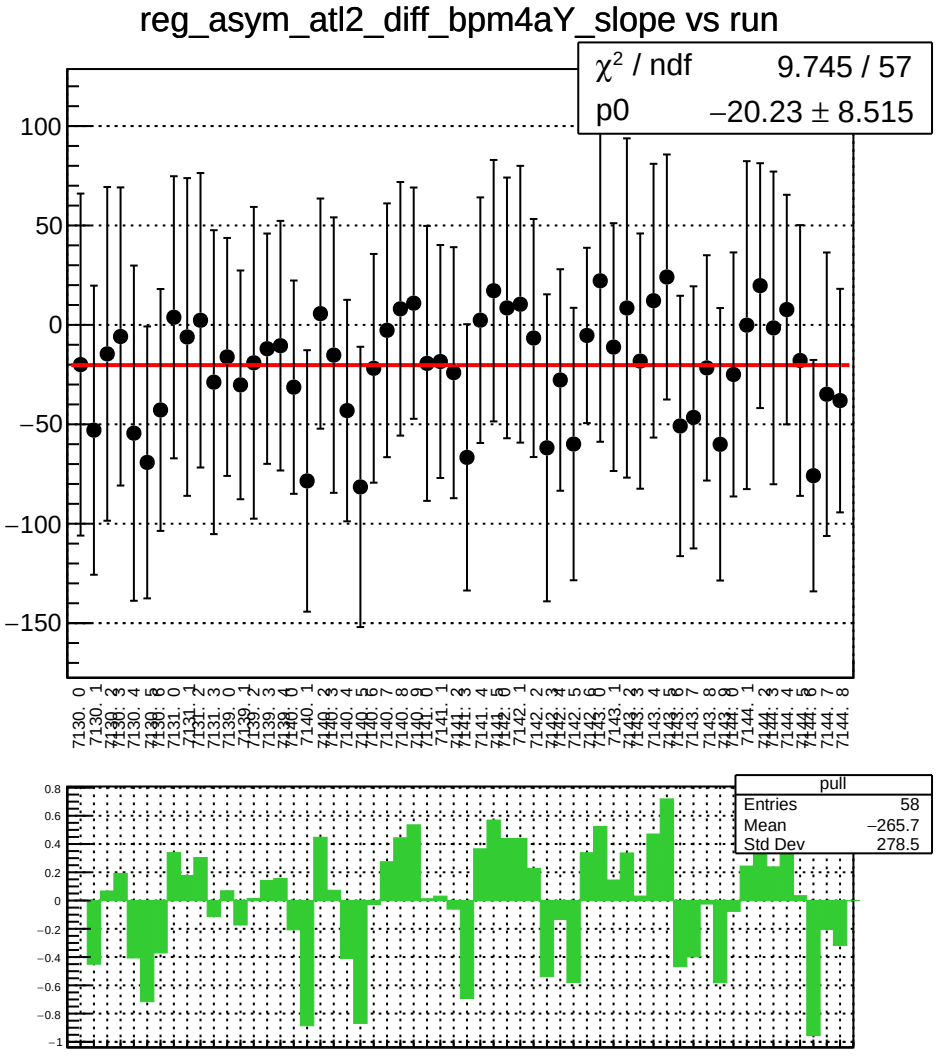

pull1D
Entries 58
Mean −0.01097
Std Dev 1.031

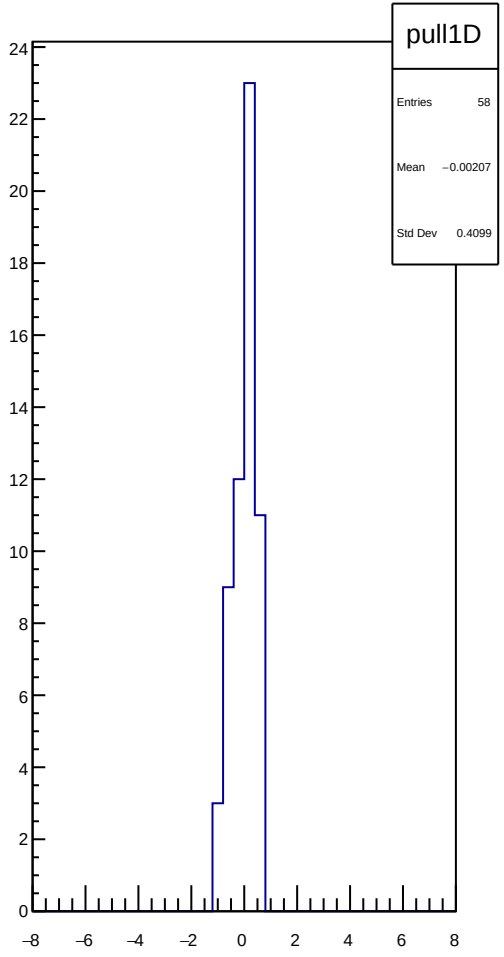

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 201.9 / 57
p0 −15.54 ± 0.1056
pull
Entries 58
Mean 156.7
Std Dev 132.9

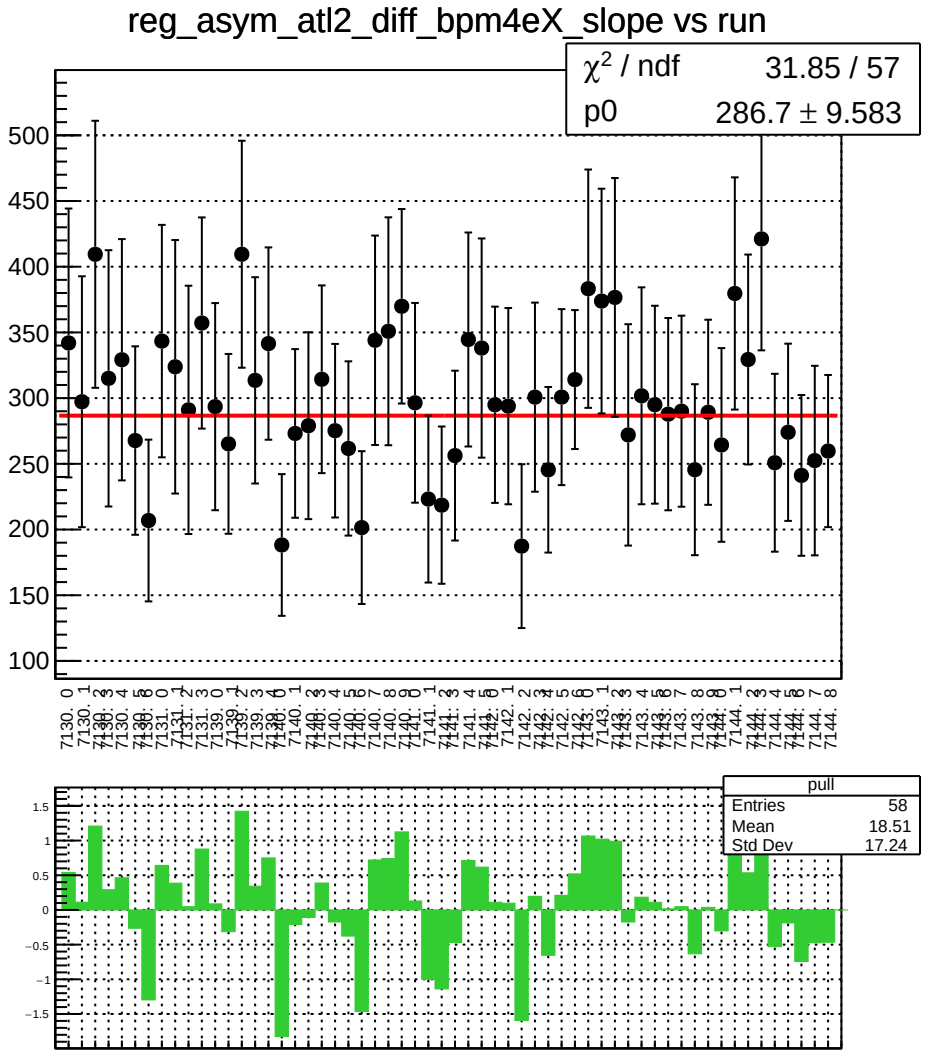

pull1D
Entries 58
Mean 0.1036
Std Dev 1.863

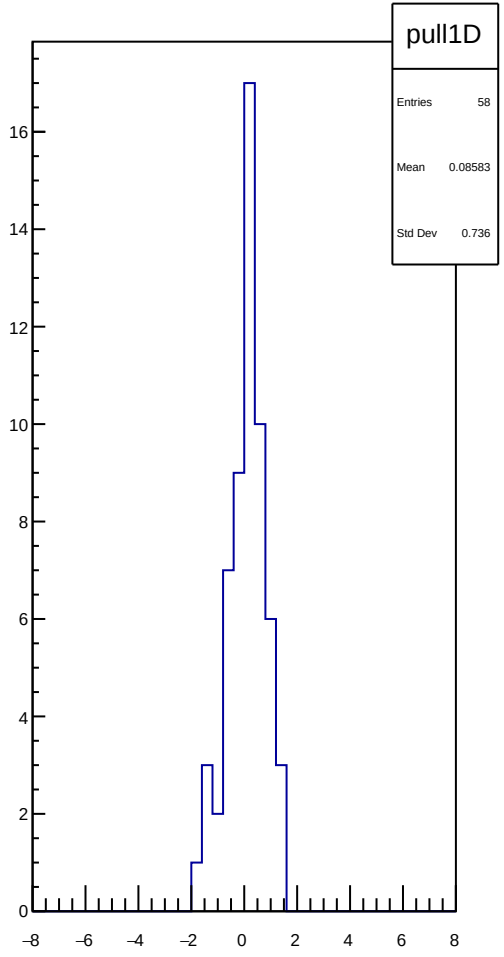

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 32.54 / 57
p0 −350.8 ± 9.408
pull
Entries 58
Mean 14.08
Std Dev 15.3

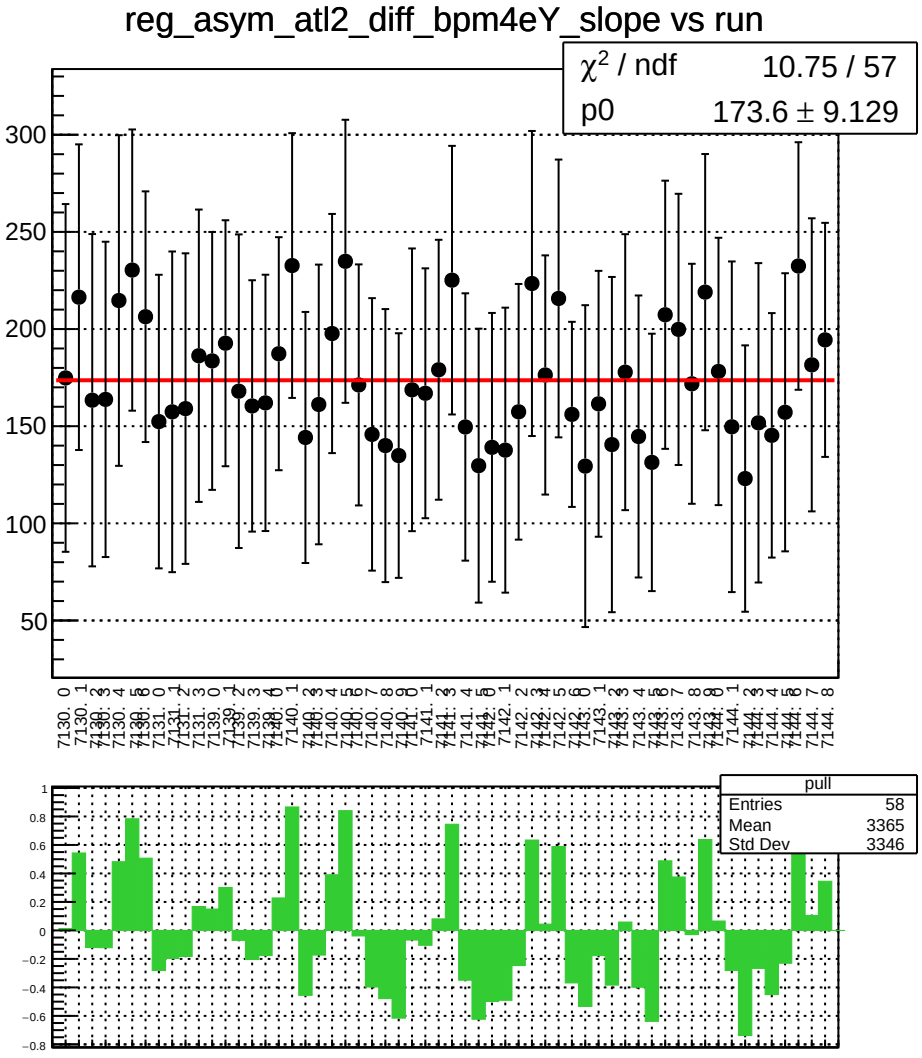

pull1D
Entries 58
Mean −0.08482
Std Dev 0.7442

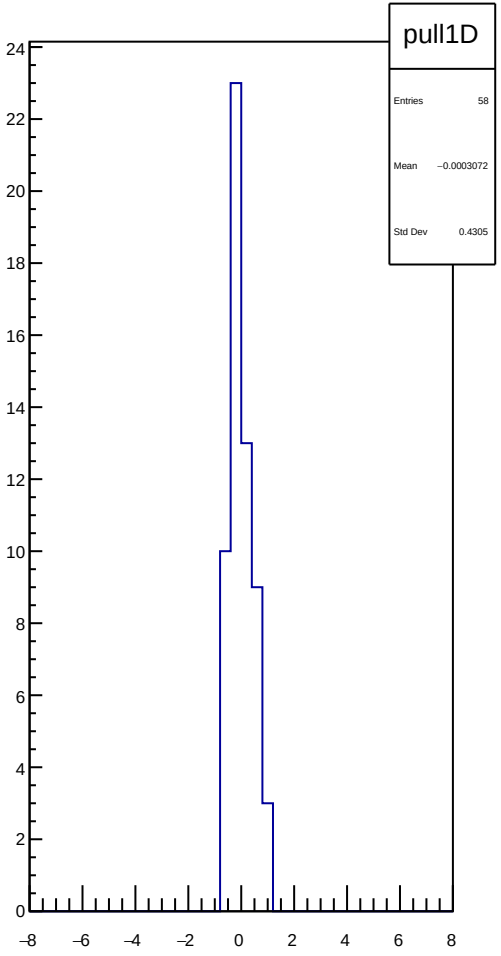

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 9.745 / 57
p0 −20.23 ± 8.515
pull
Entries 58
Mean −265.7
Std Dev 278.5

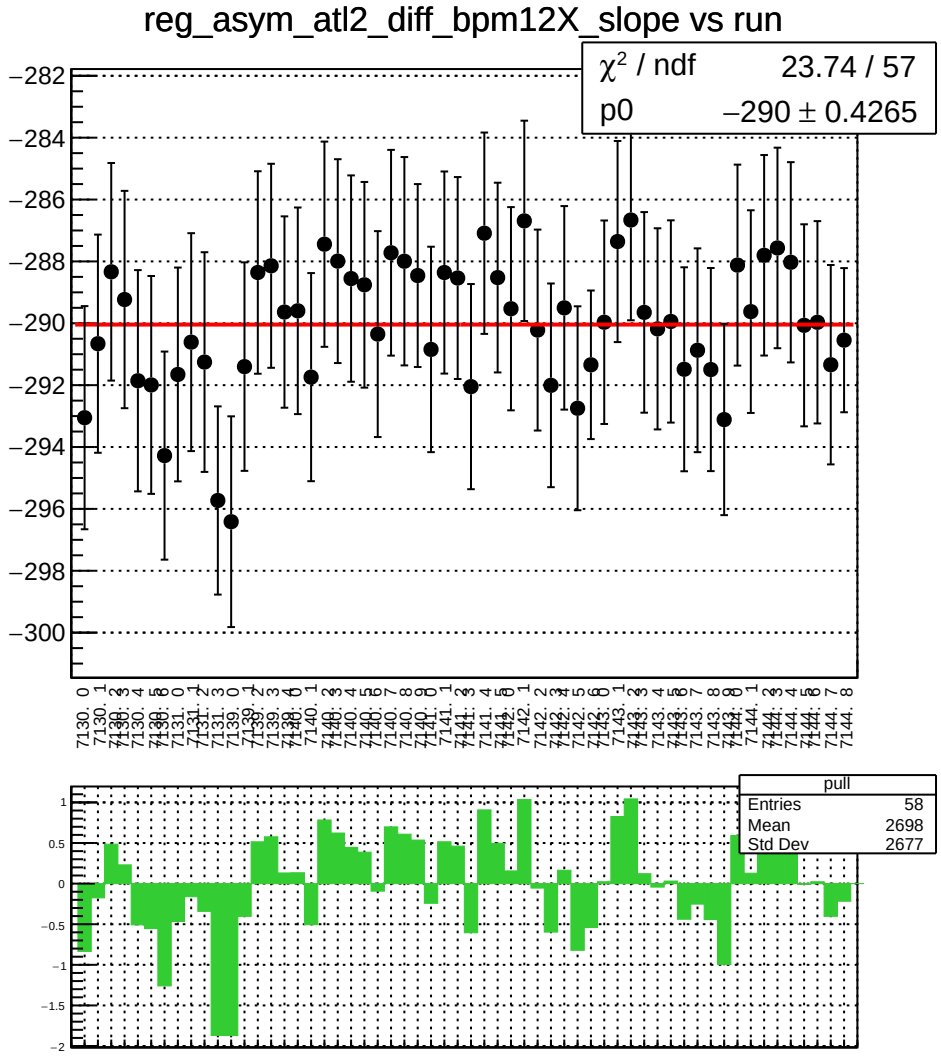

pull1D
Entries 58
Mean −0.00207
Std Dev 0.4099

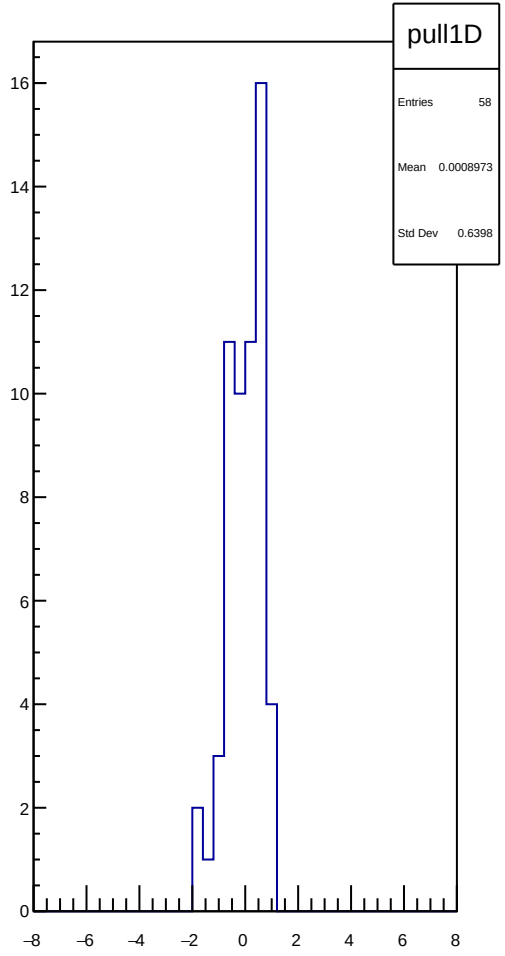

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 31.85 / 57
p0 286.7 ± 9.583
pull
Entries 58
Mean 18.51
Std Dev 17.24

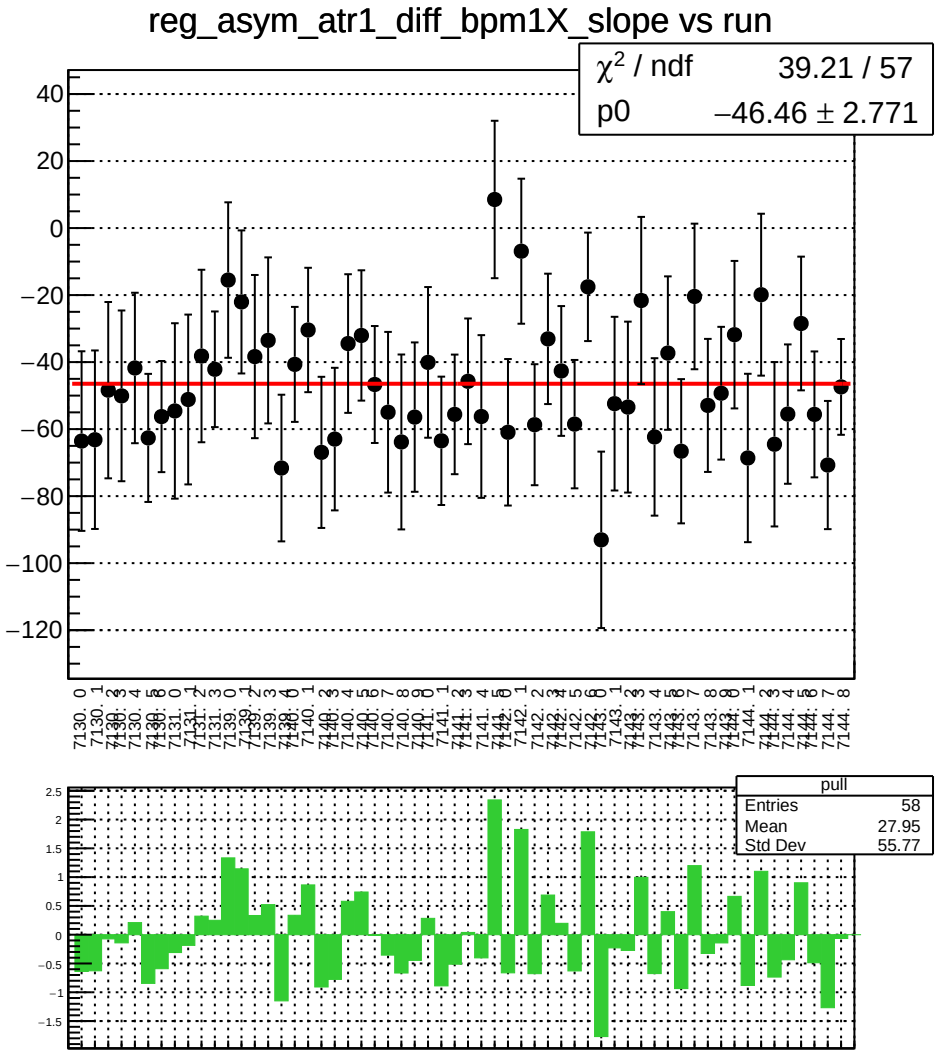

pull1D
Entries 58
Mean 0.08583
Std Dev 0.736

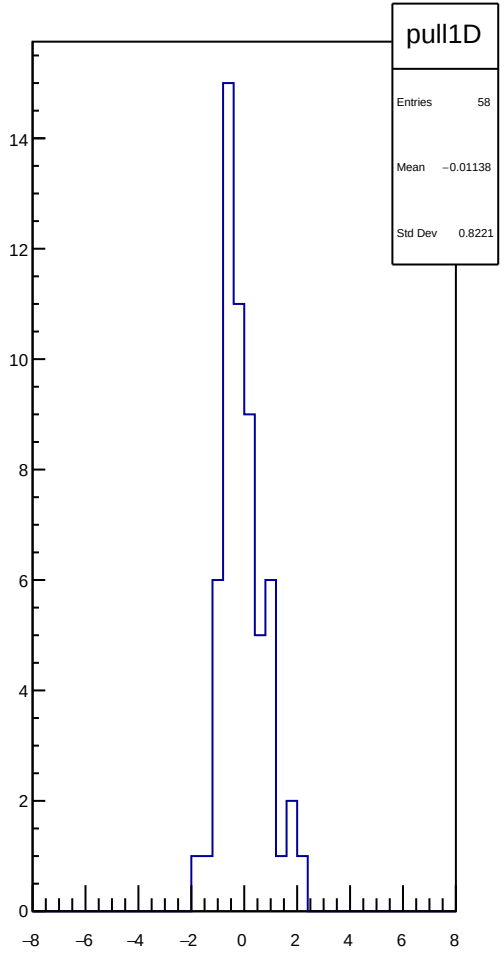

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 10.75 / 57
p0 173.6 ± 9.129
pull
Entries 58
Mean 3365
Std Dev 3346

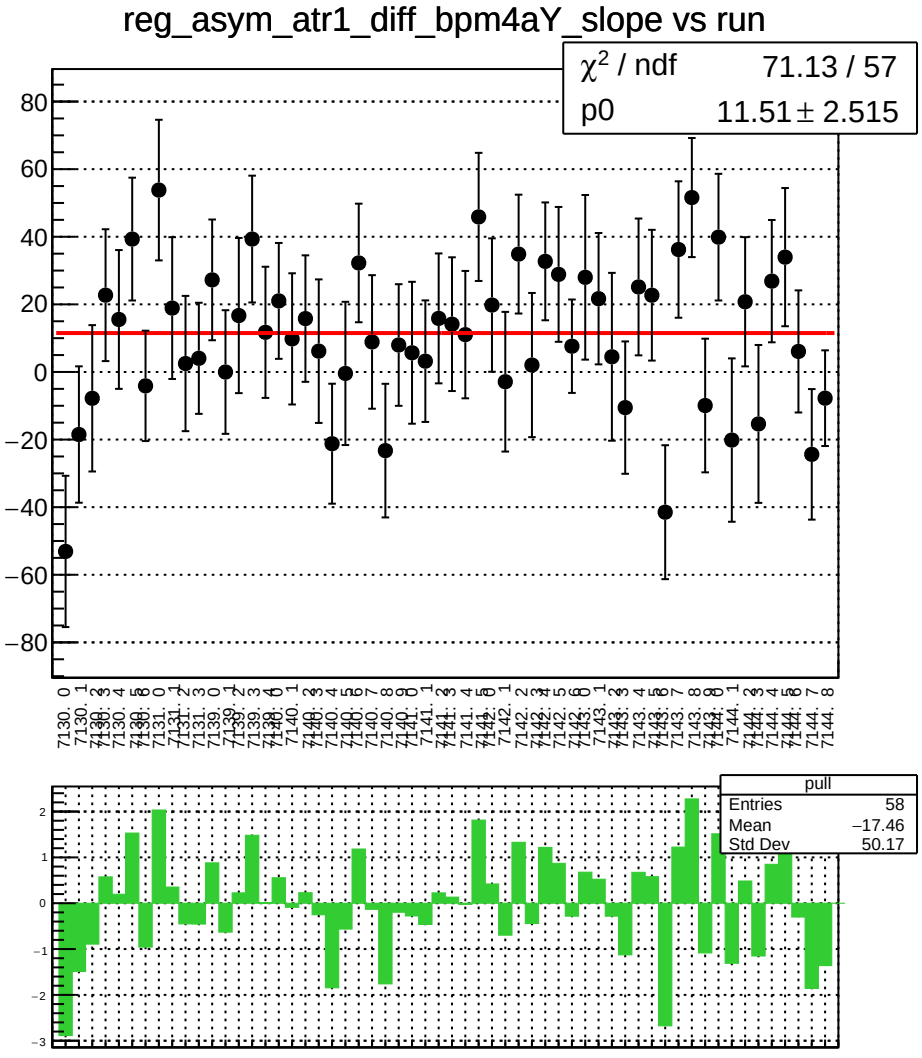

pull1D
Entries 58
Mean −0.0003072
Std Dev 0.4305

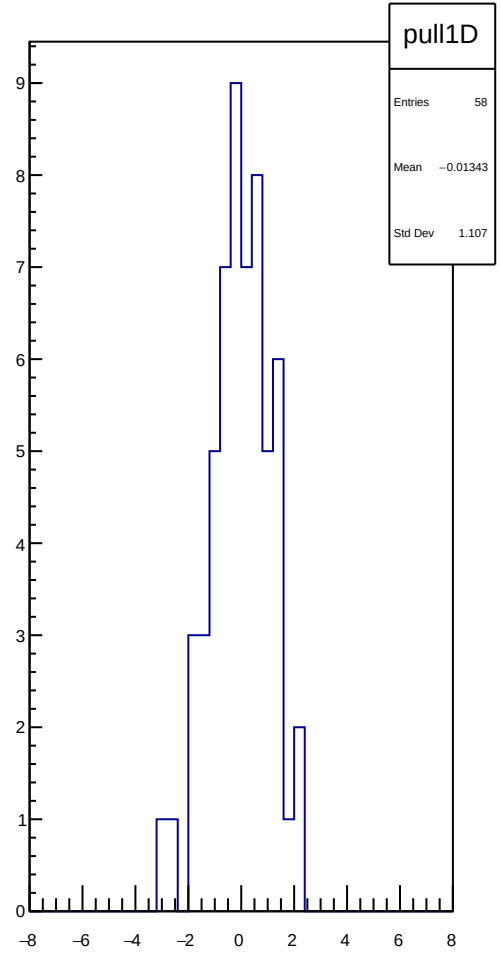

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 23.74 / 57
p0 −290 ± 0.4265
pull
Entries 58
Mean 2698
Std Dev 2677

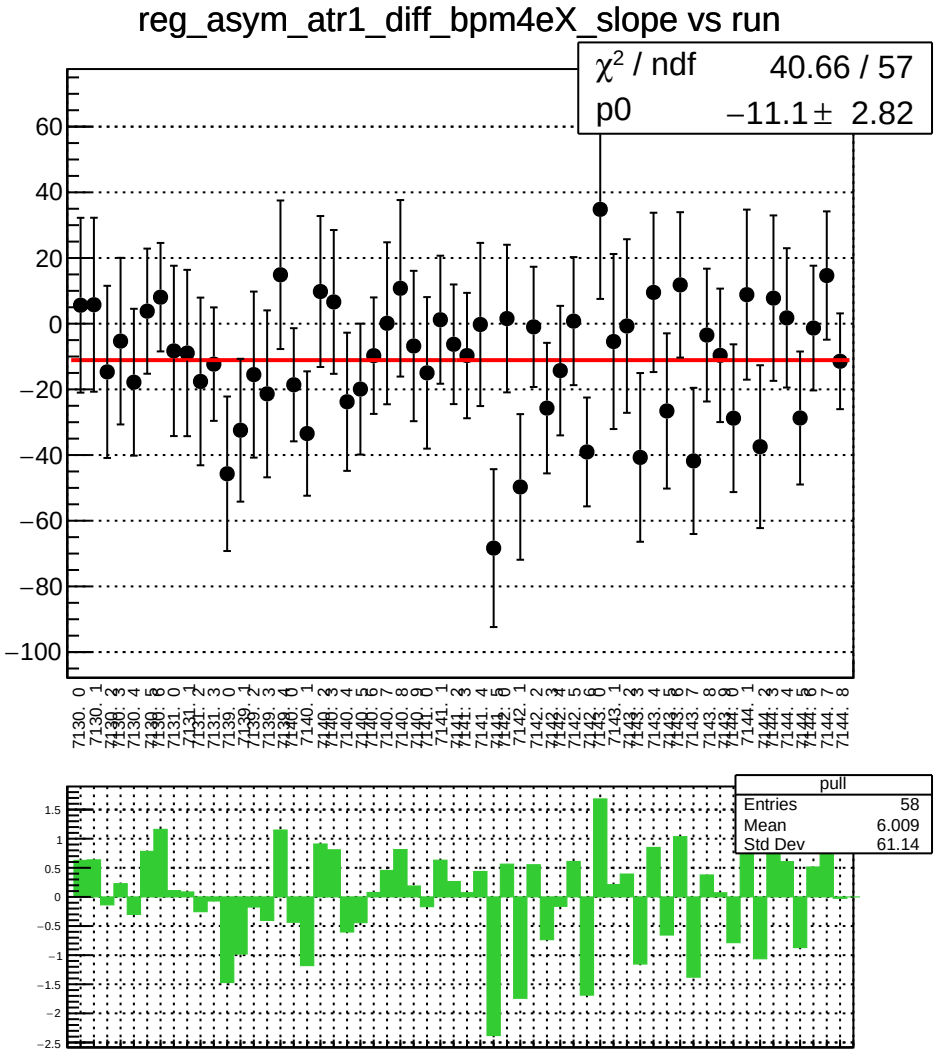

pull1D
Entries 58
Mean 0.0008973
Std Dev 0.6398

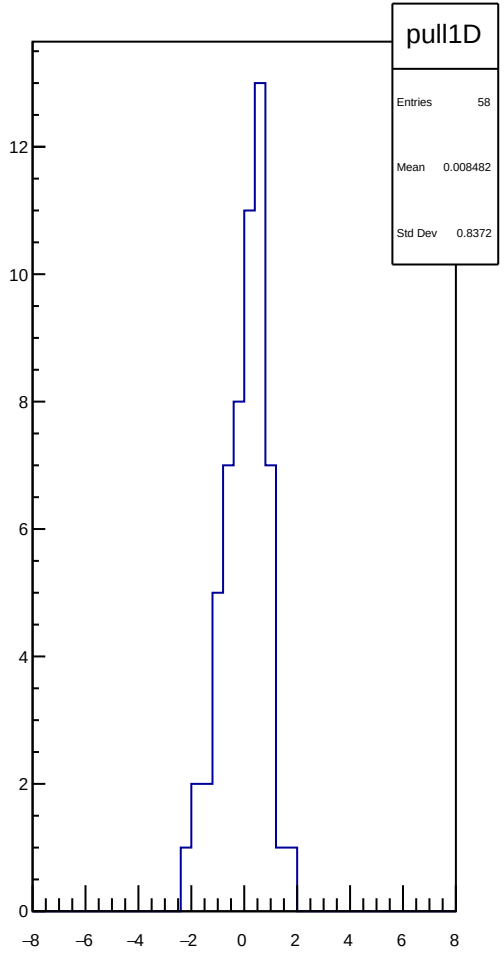

reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 39.21 / 57
p0 −46.46 ± 2.771
pull
Entries 58
Mean 27.95
Std Dev 55.77

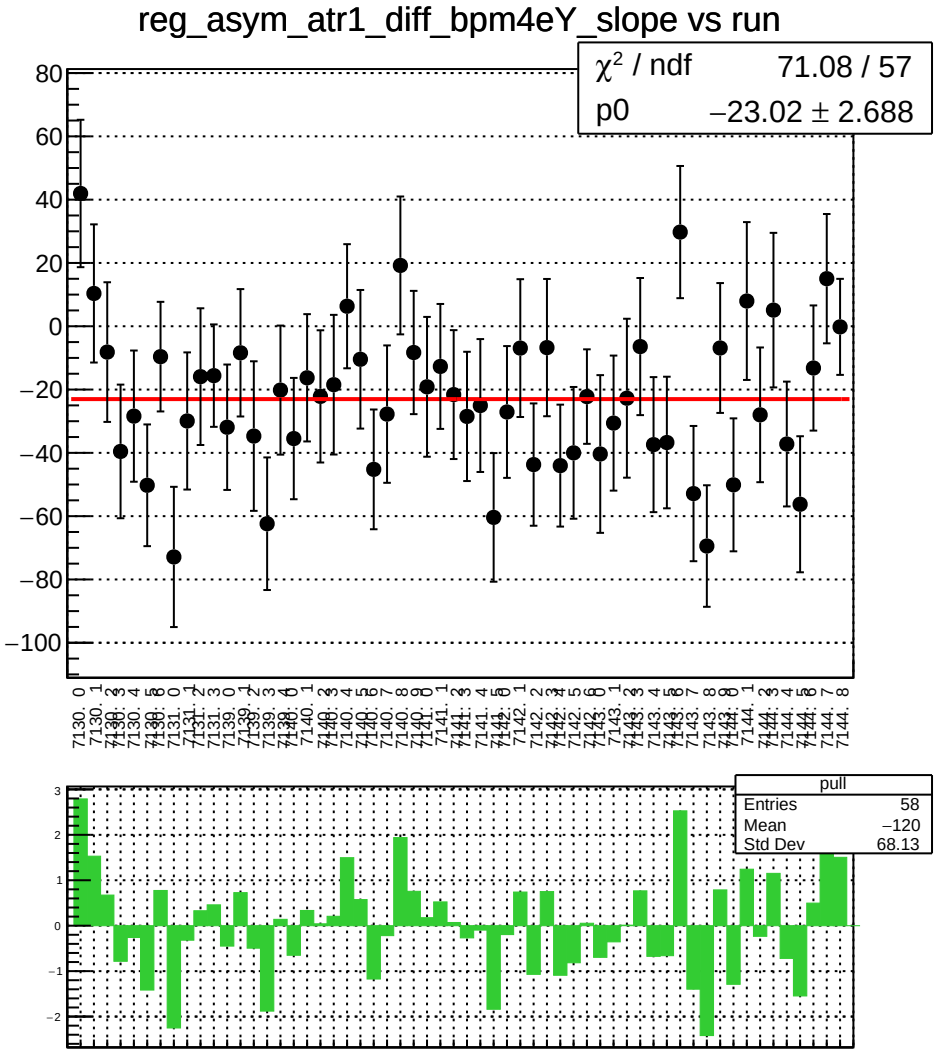

pull1D
Entries 58
Mean −0.01138
Std Dev 0.8221

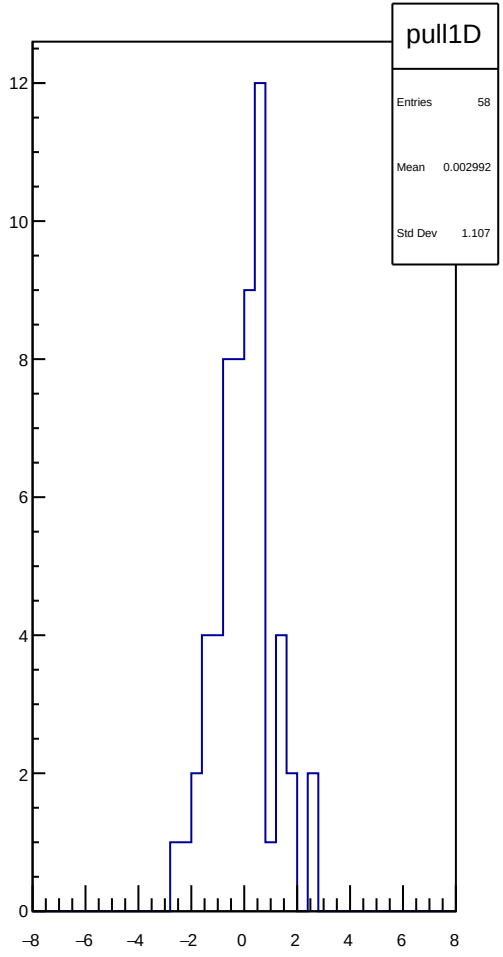

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 71.13 / 57
p0 11.51 ± 2.515
pull
Entries 58
Mean −17.46
Std Dev 50.17

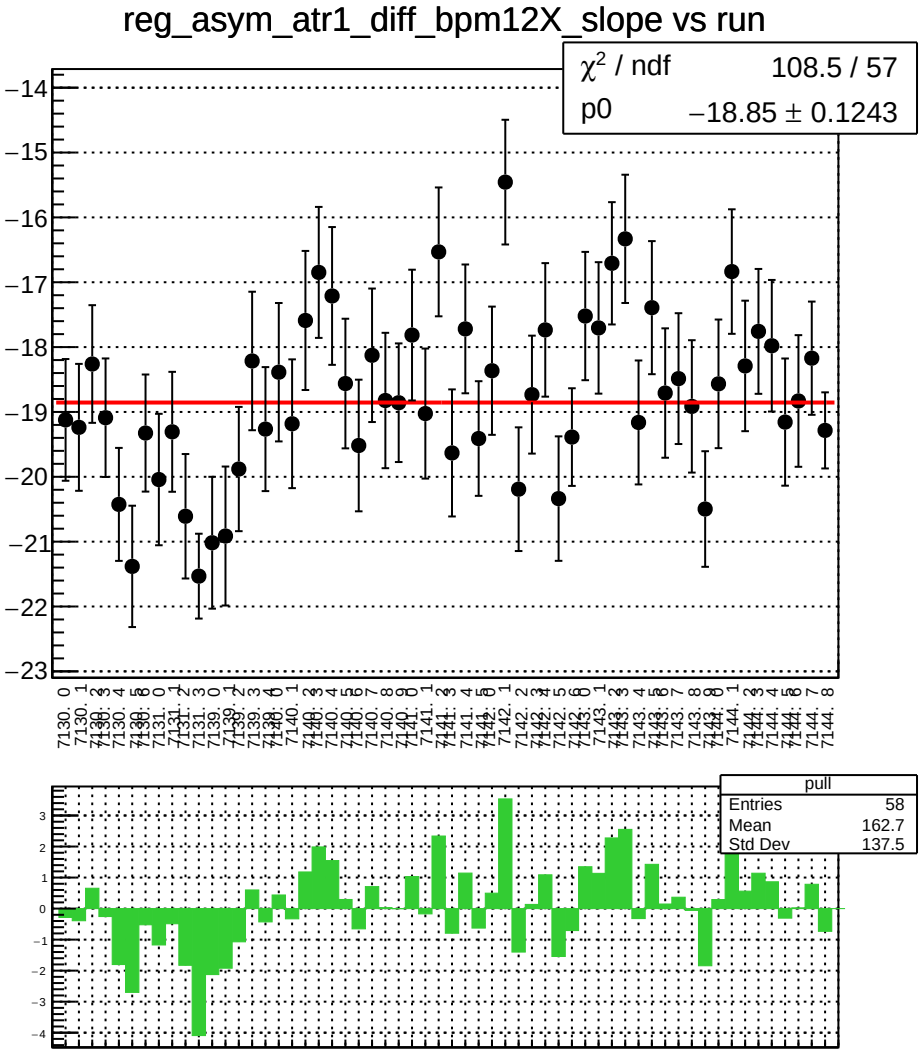

pull1D
Entries 58
Mean −0.01343
Std Dev 1.107

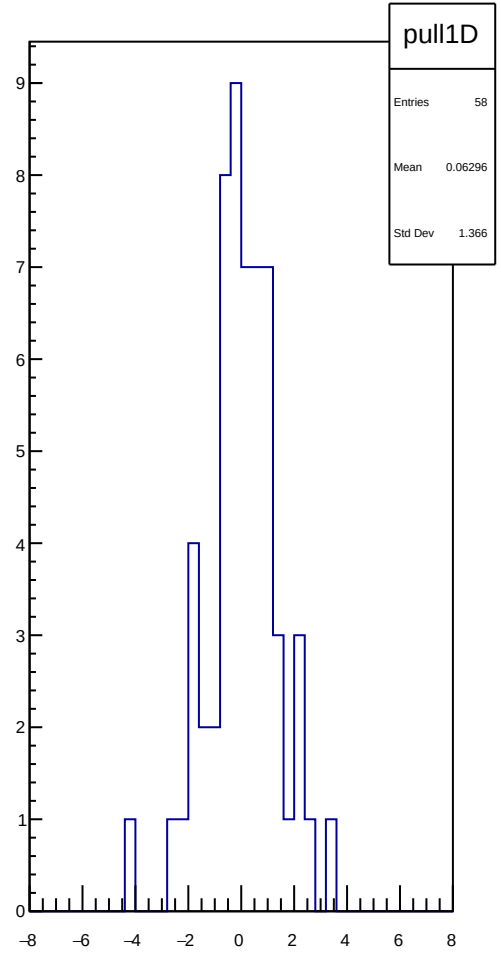

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 40.66 / 57
p0 −11.1 ± 2.82
pull
Entries 58
Mean 6.009
Std Dev 61.14

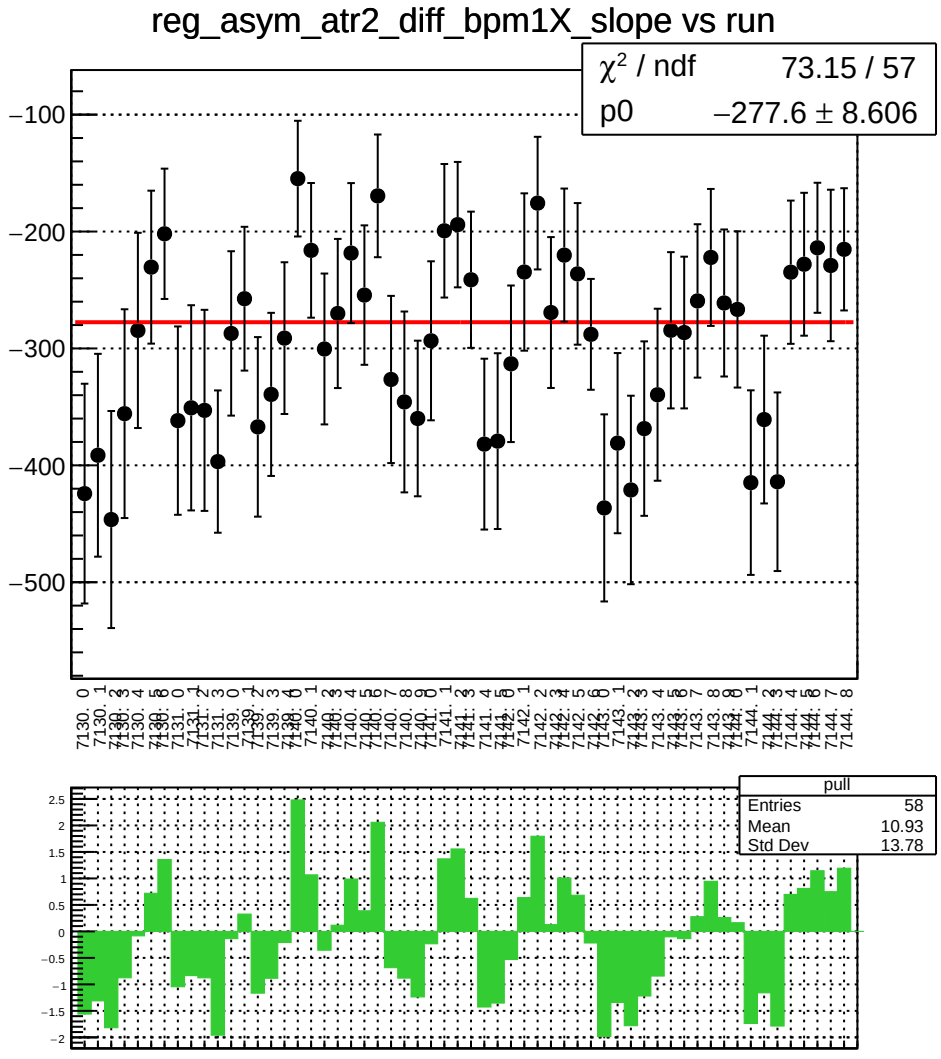

pull1D
Entries 58
Mean 0.008482
Std Dev 0.8372

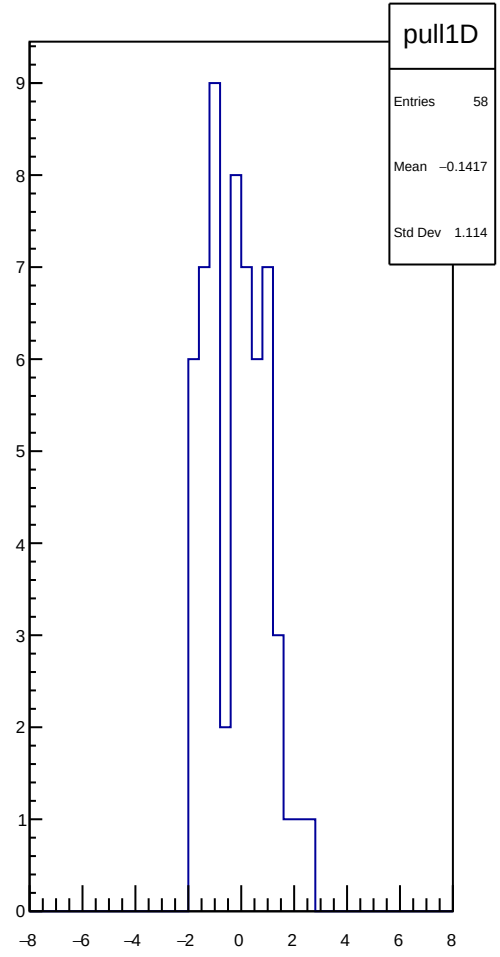

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 71.08 / 57
p0 −23.02 ± 2.688
pull
Entries 58
Mean −120
Std Dev 68.13

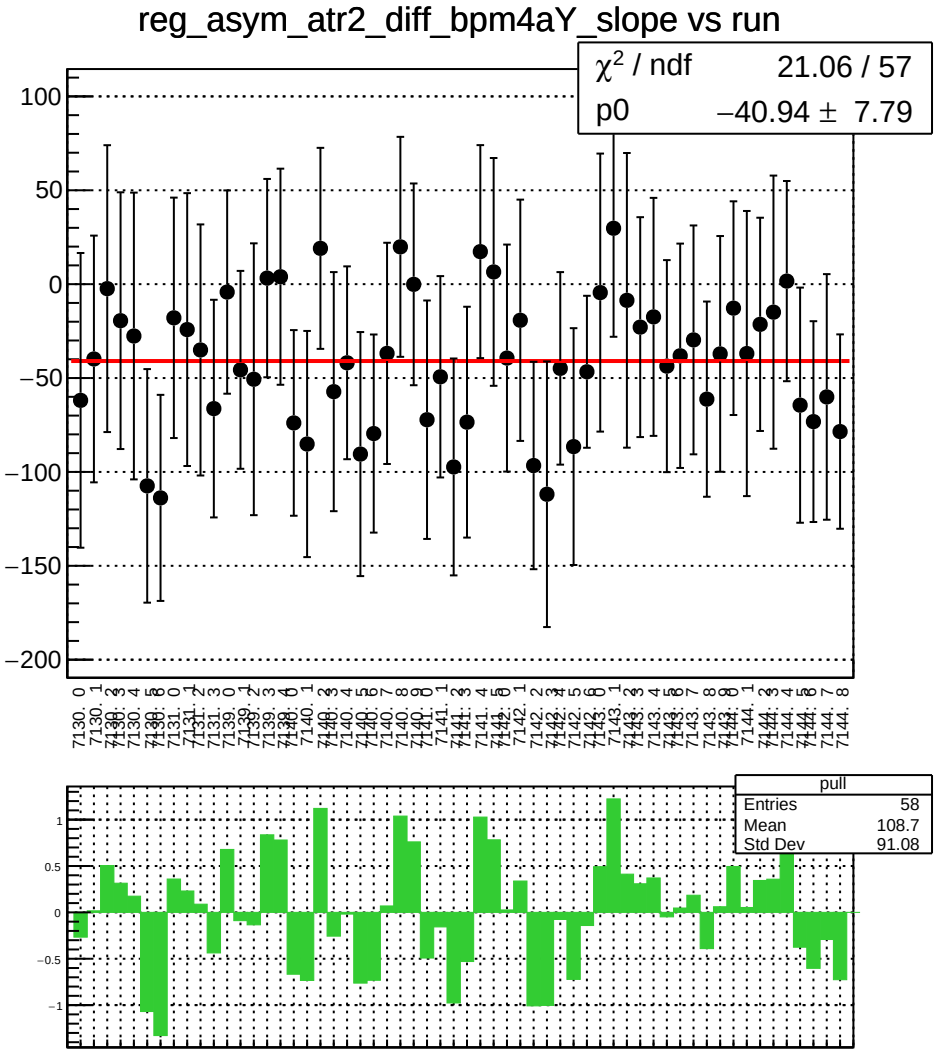

pull1D
Entries 58
Mean 0.002992
Std Dev 1.107

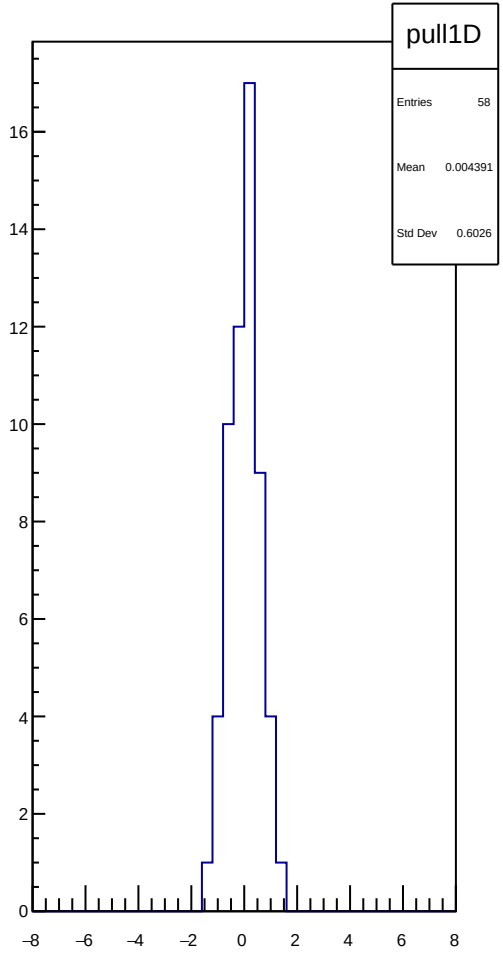

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 108.5 / 57
p0 −18.85 ± 0.1243
pull
Entries 58
Mean 162.7
Std Dev 137.5

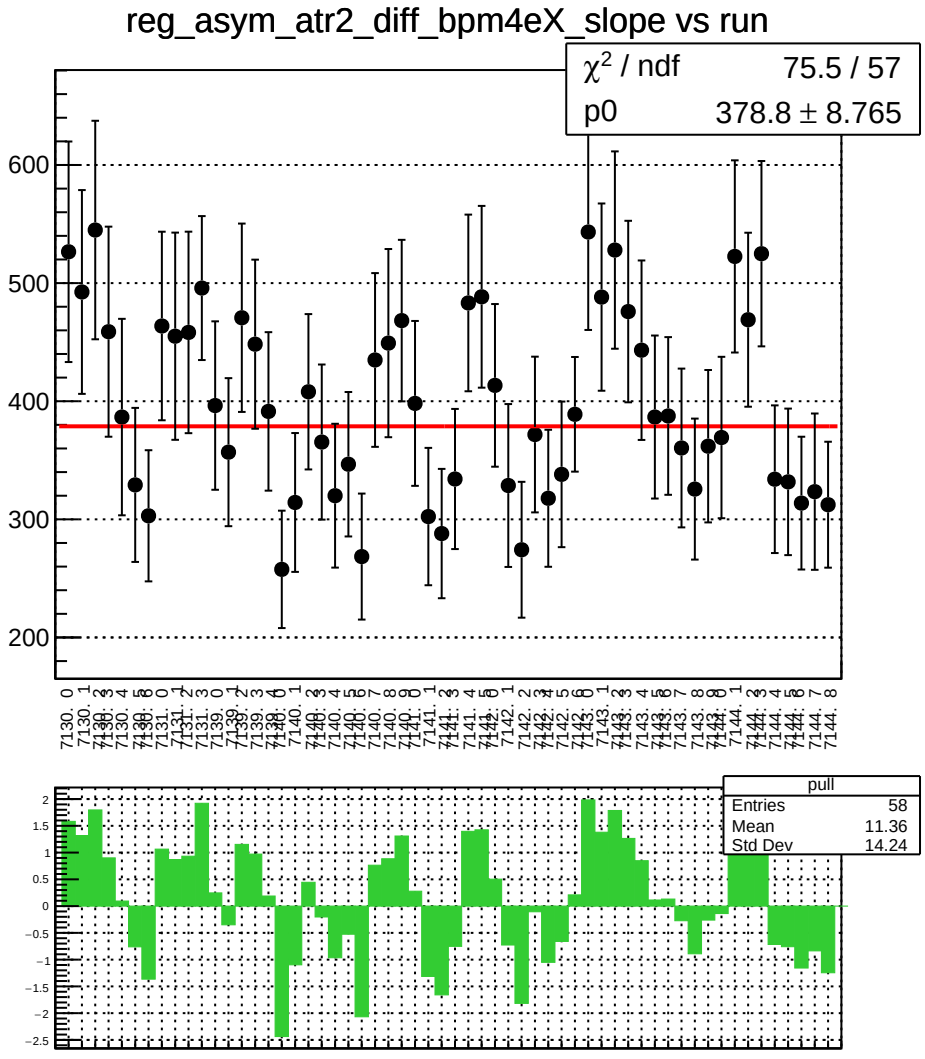

pull1D
Entries 58
Mean 0.06296
Std Dev 1.366

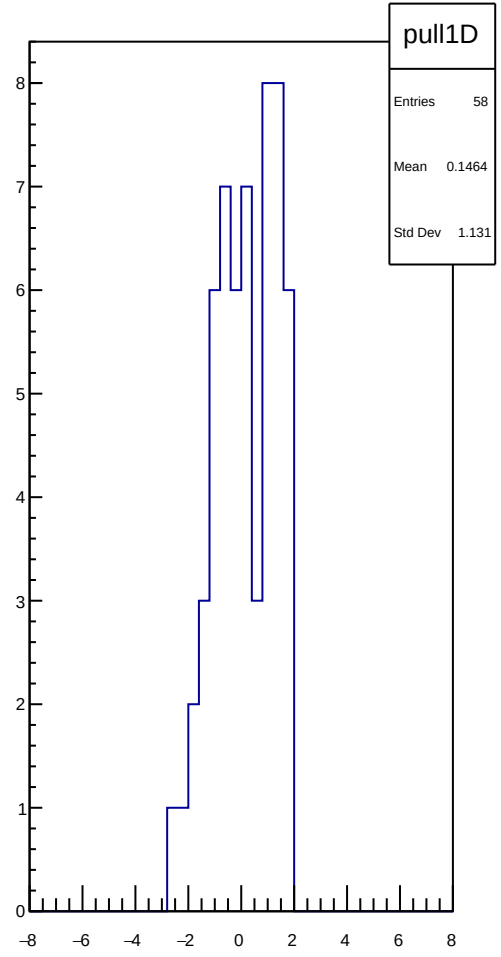

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 73.15 / 57
p0 −277.6 ± 8.606
pull
Entries 58
Mean 10.93
Std Dev 13.78

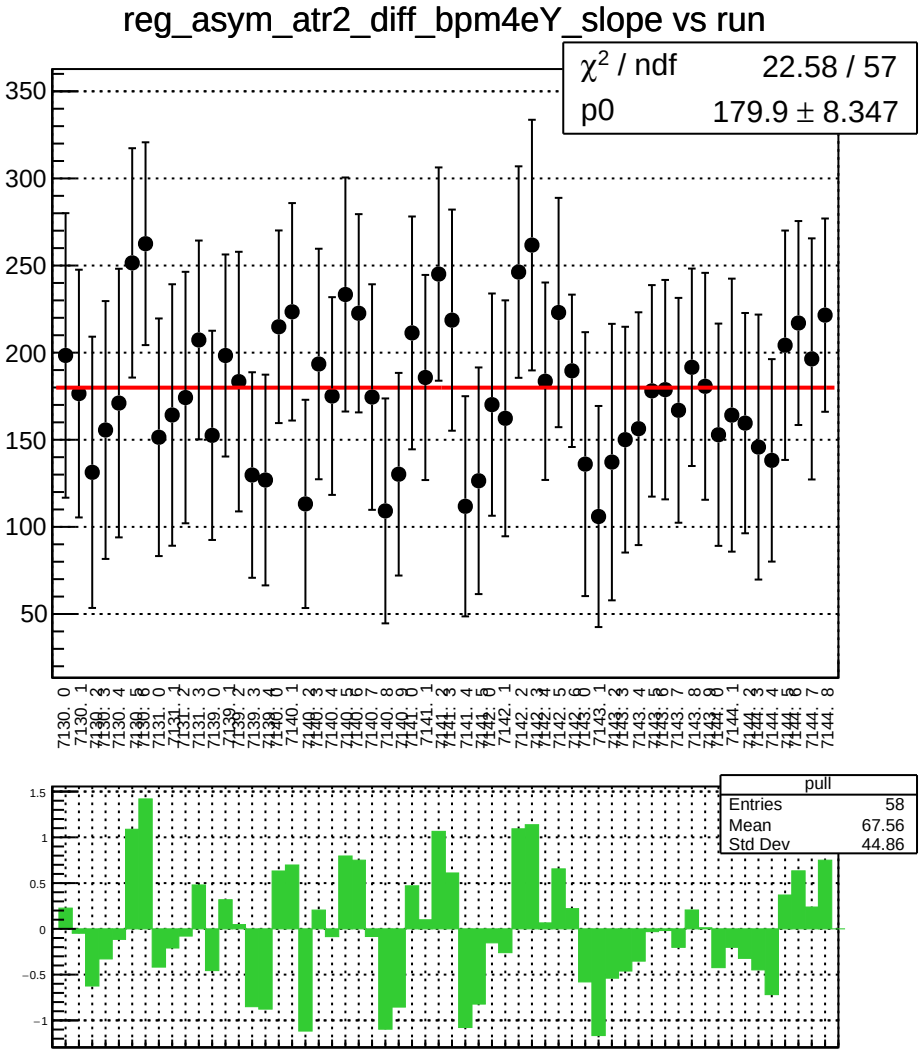

pull1D
Entries 58
Mean −0.1417
Std Dev 1.114

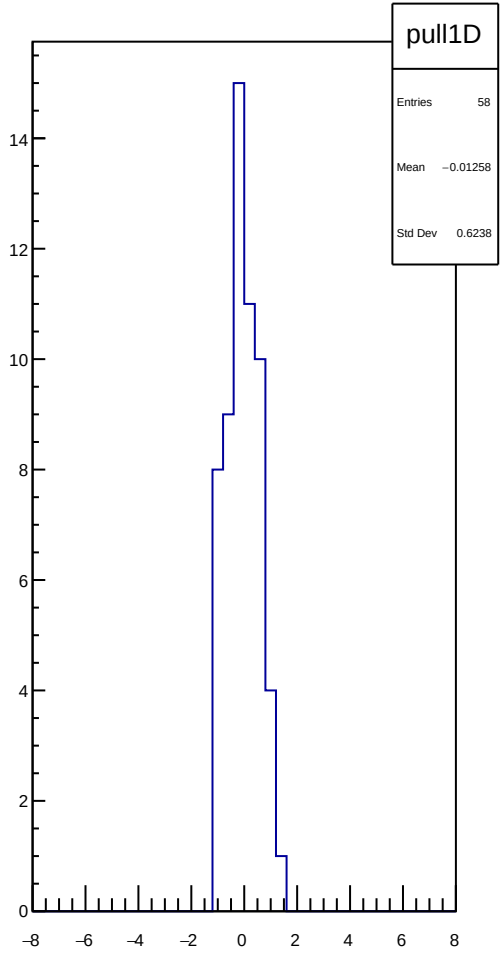

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 21.06 / 57
p0 −40.94 ± 7.79
pull
Entries 58
Mean 108.7
Std Dev 91.08

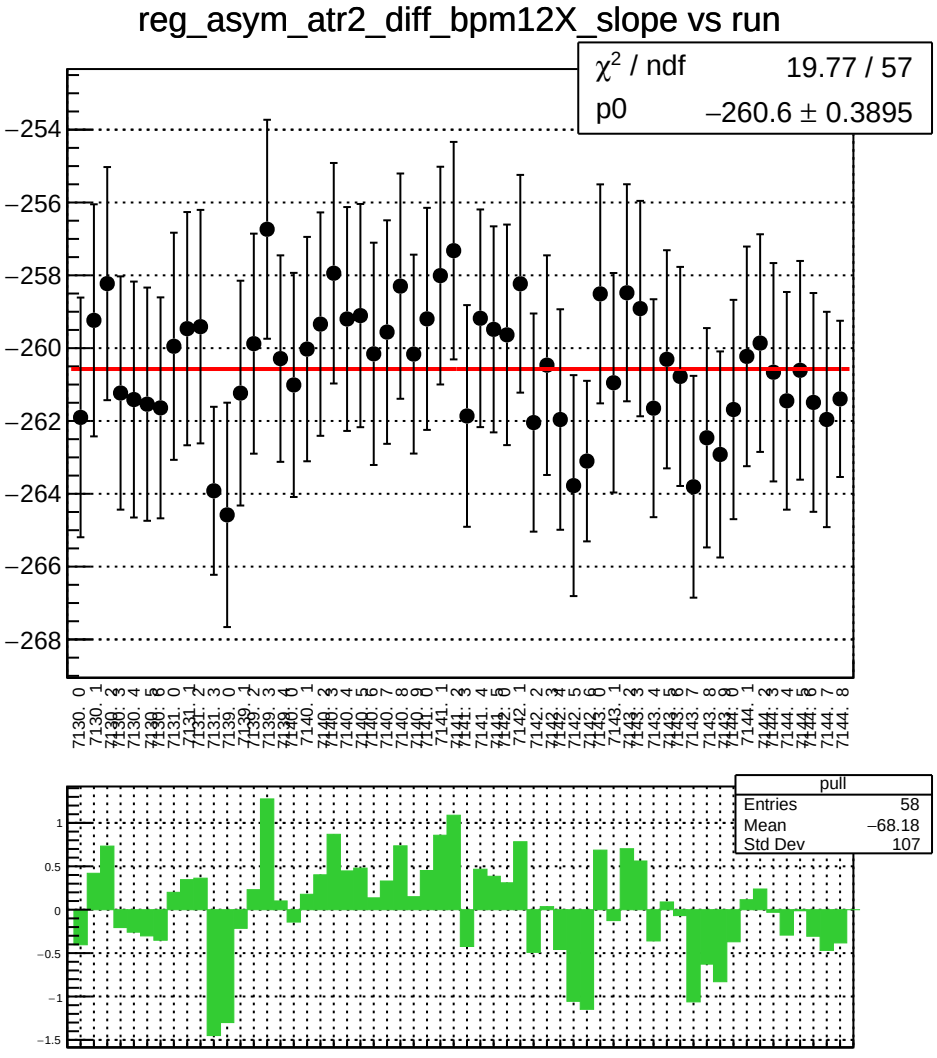

pull1D
Entries 58
Mean 0.004391
Std Dev 0.6026

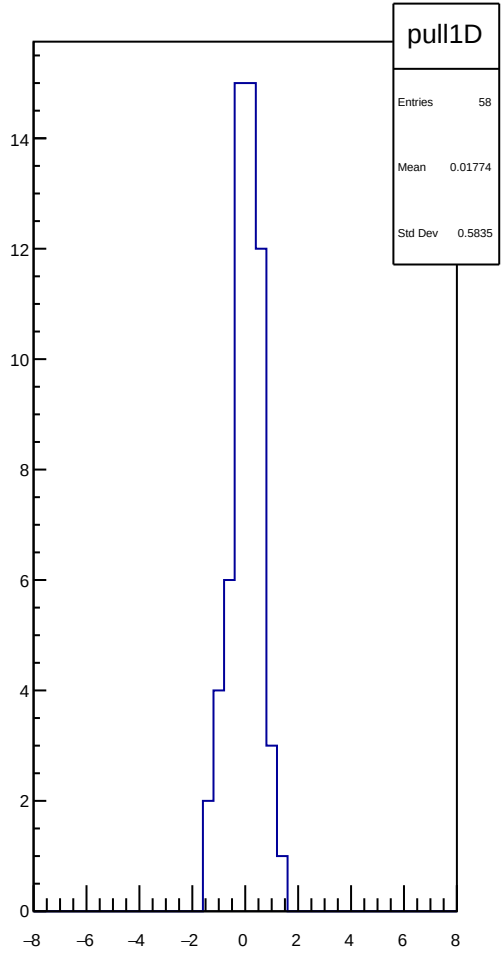

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 75.5 / 57
p0 378.8 ± 8.765
pull
Entries 58
Mean 11.36
Std Dev 14.24

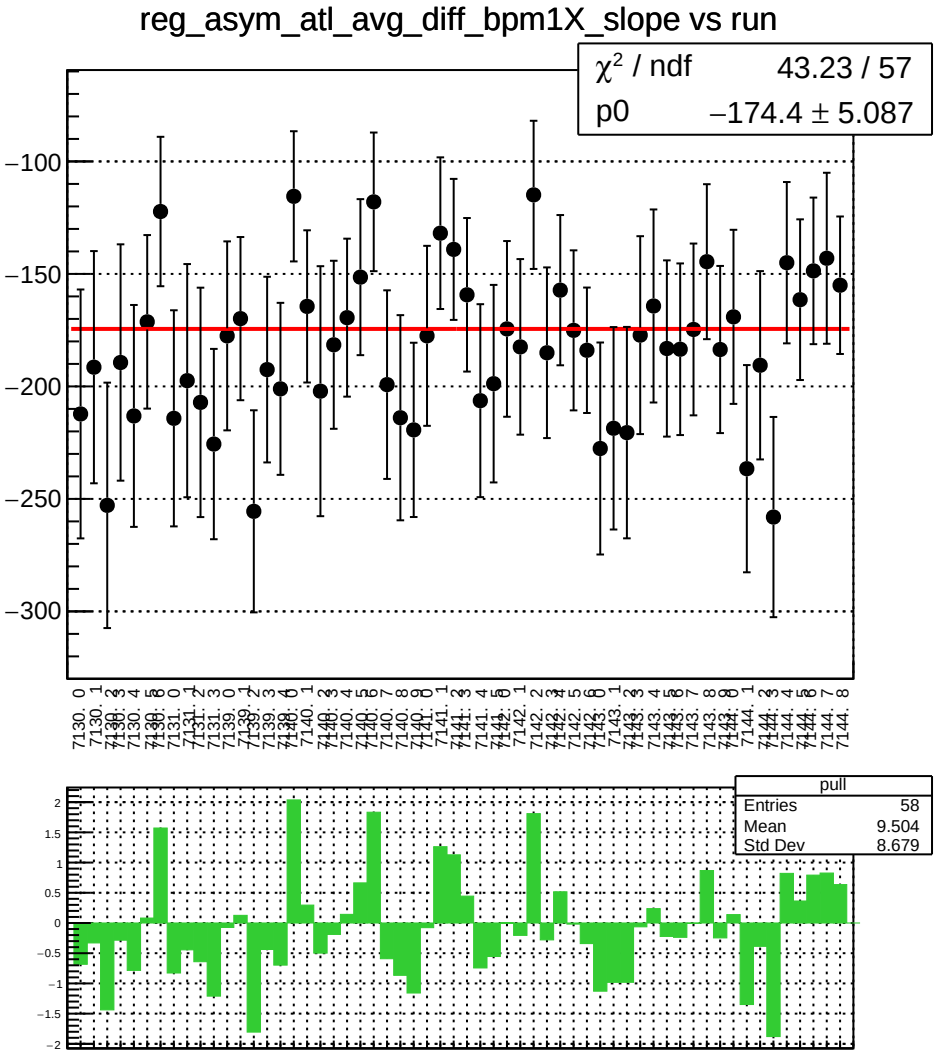

pull1D
Entries 58
Mean 0.1464
Std Dev 1.131

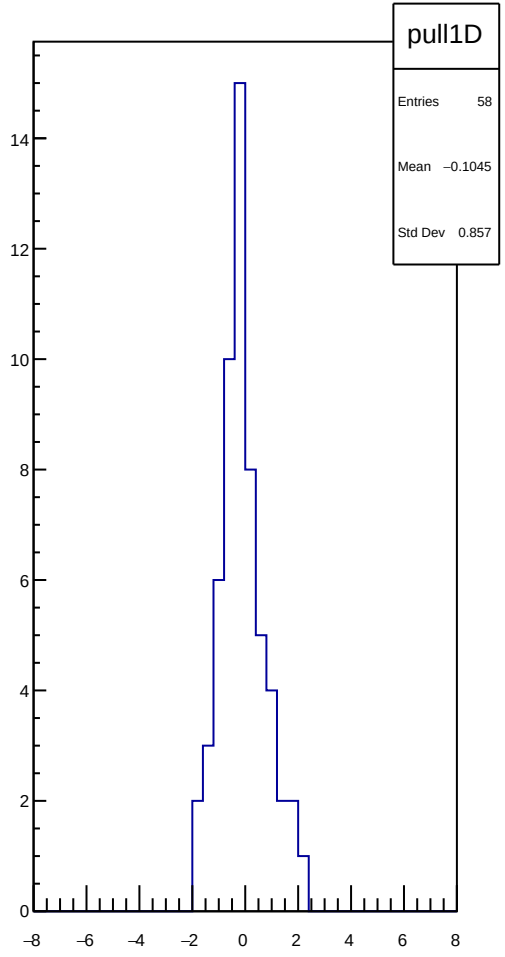

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 22.58 / 57
p0 179.9 ± 8.347
pull
Entries 58
Mean 67.56
Std Dev 44.86

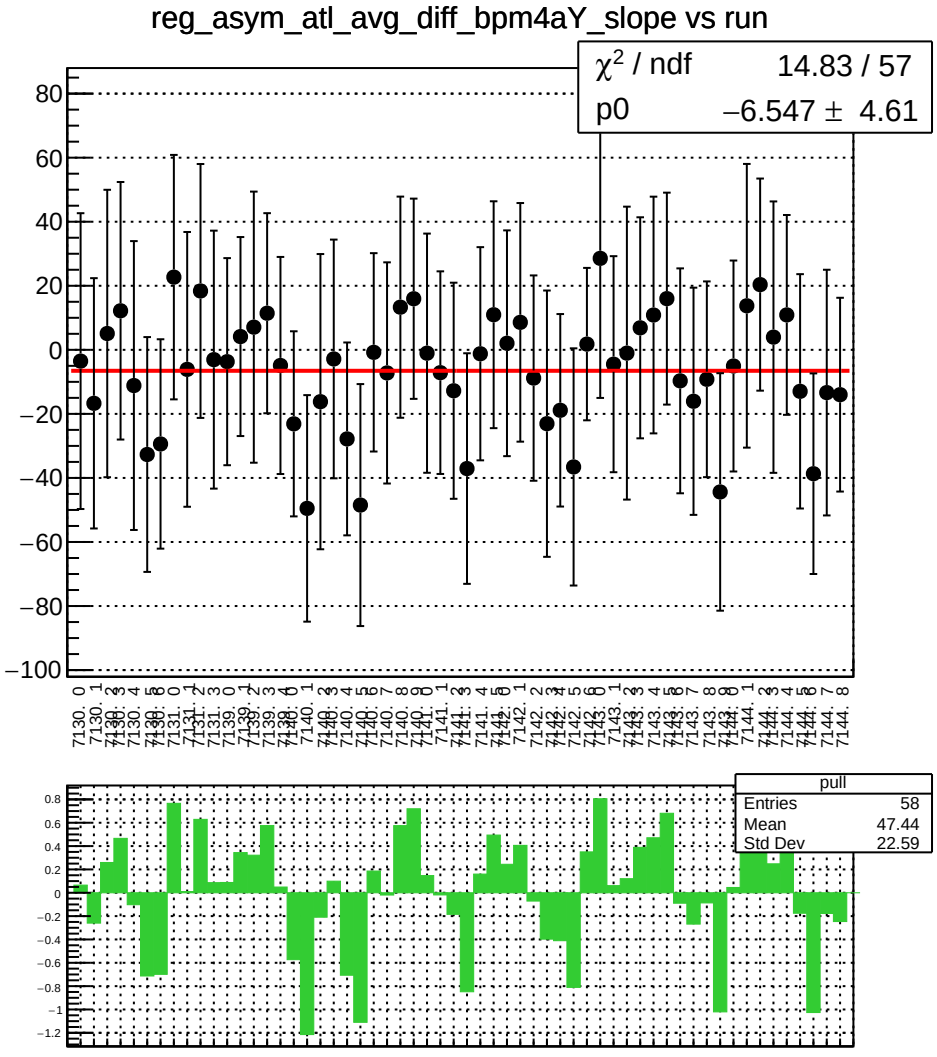

pull1D
Entries 58
Mean −0.01258
Std Dev 0.6238

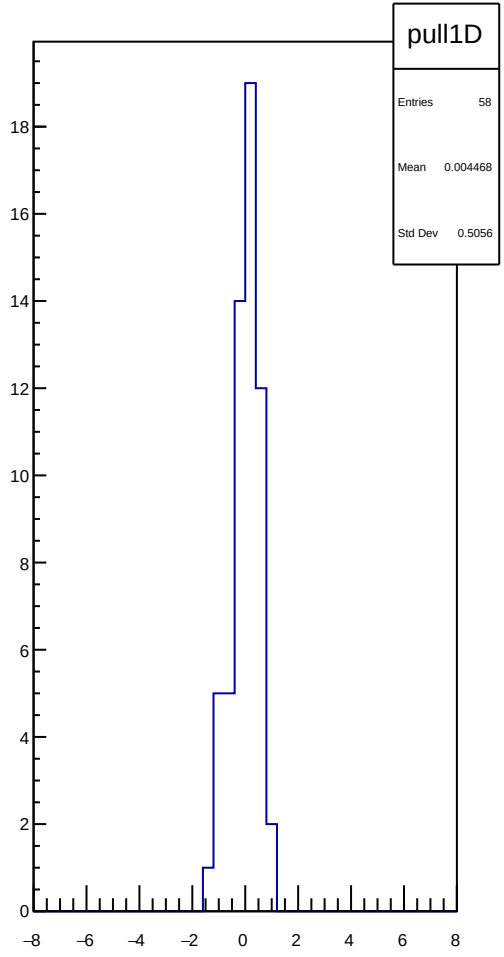

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 19.77 / 57
p0 −260.6 ± 0.3895
pull
Entries 58
Mean −68.18
Std Dev 107

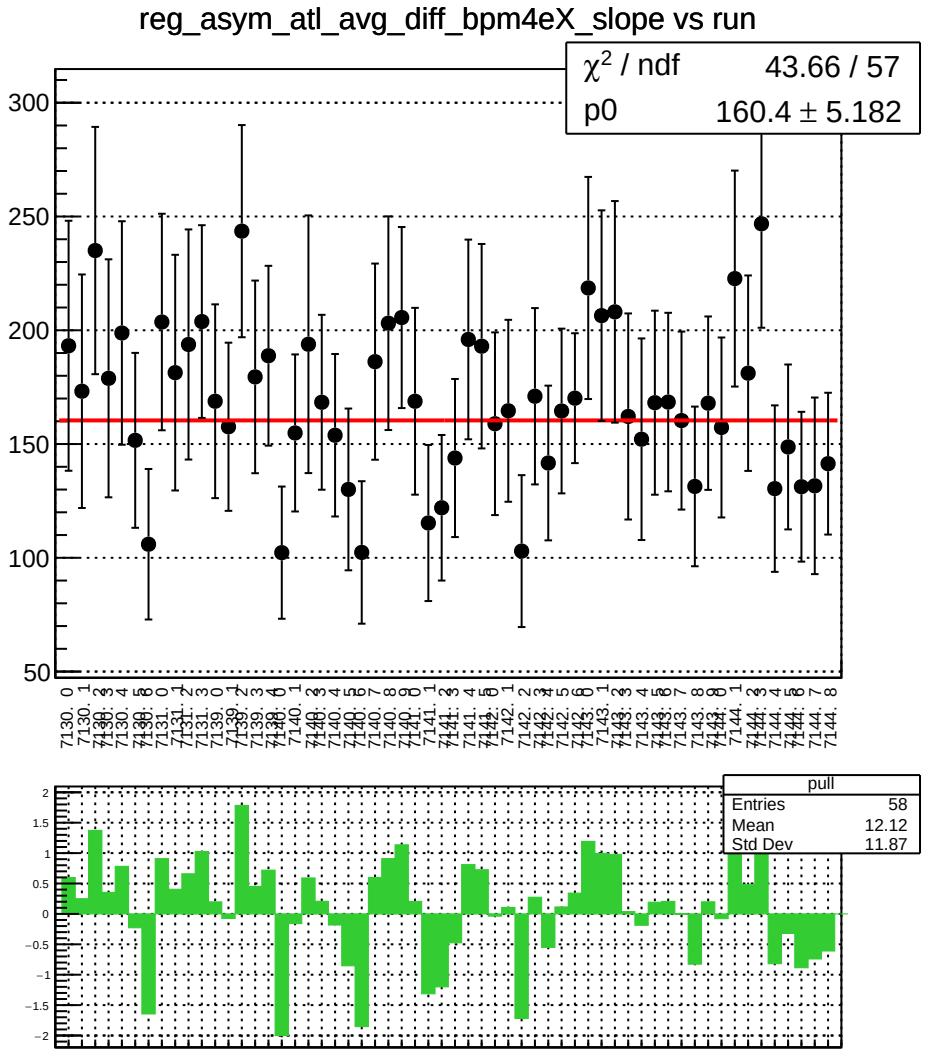

pull1D
Entries 58
Mean 0.01774
Std Dev 0.5835

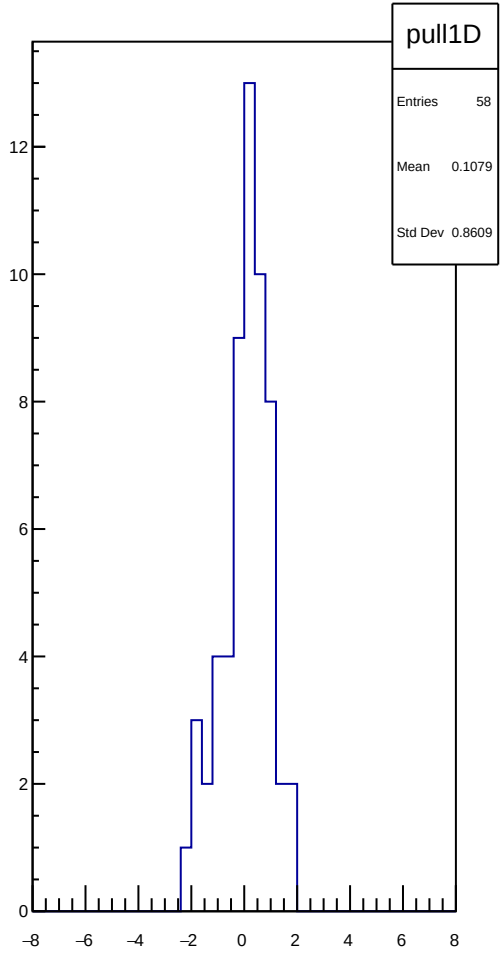

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 43.23 / 57
p0 −174.4 ± 5.087
−100
−150
−200
−250
−300
pull
Entries 58
Mean 9.504
Std Dev 8.679
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

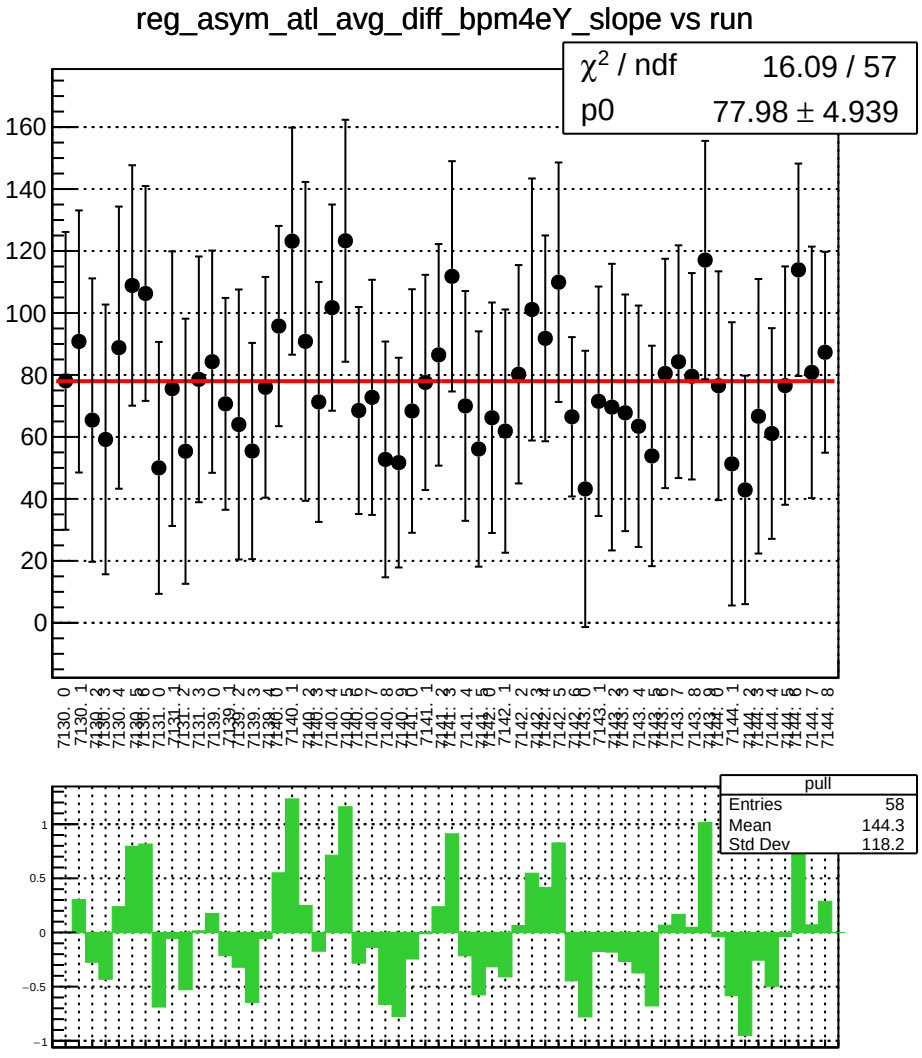

pull1D
Entries 58
Mean −0.1045
Std Dev 0.857
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

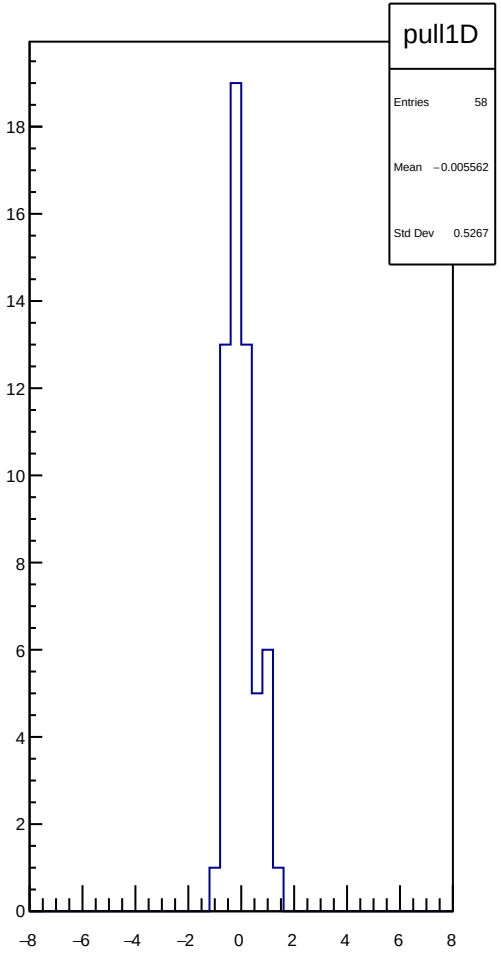

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.83 / 57
p0 −6.547 ± 4.61
pull
Entries 58
Mean 47.44
Std Dev 22.59

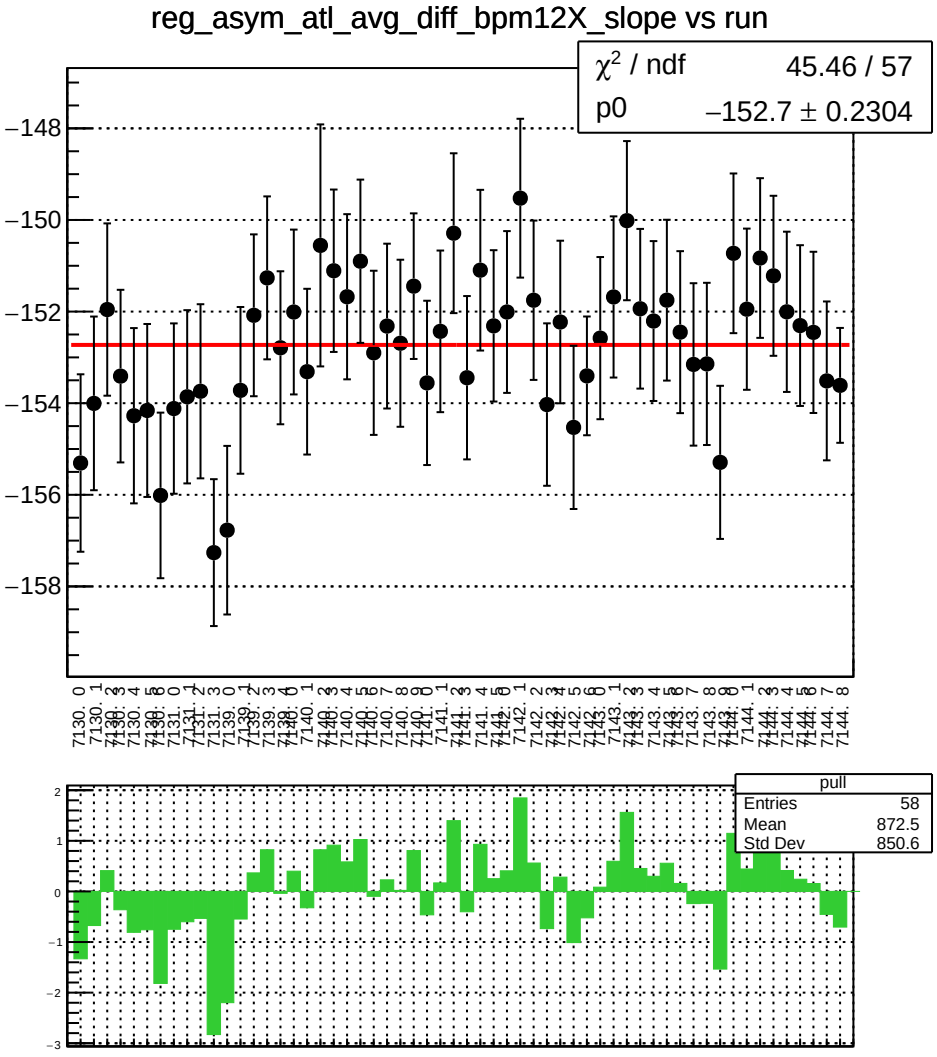

pull1D
Entries 58
Mean 0.004468
Std Dev 0.5056

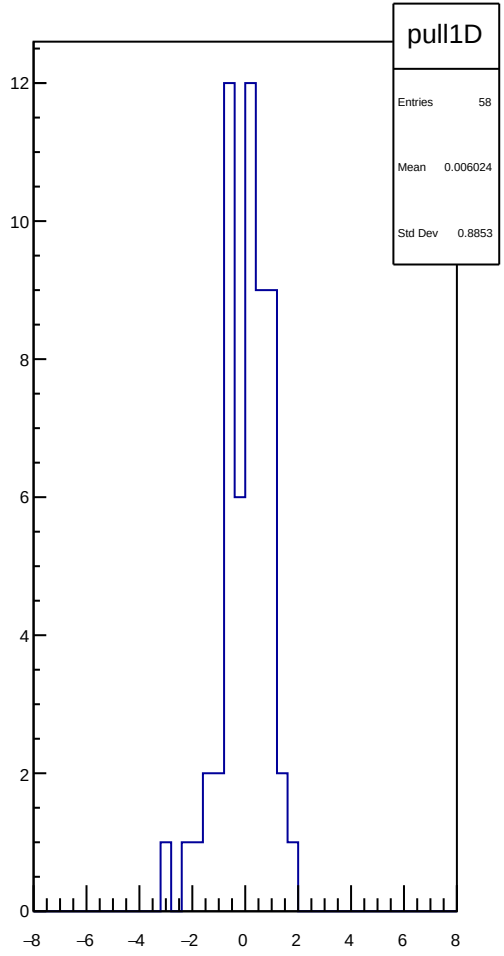

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 43.66 / 57
p0 160.4 ± 5.182
pull
Entries 58
Mean 12.12
Std Dev 11.87

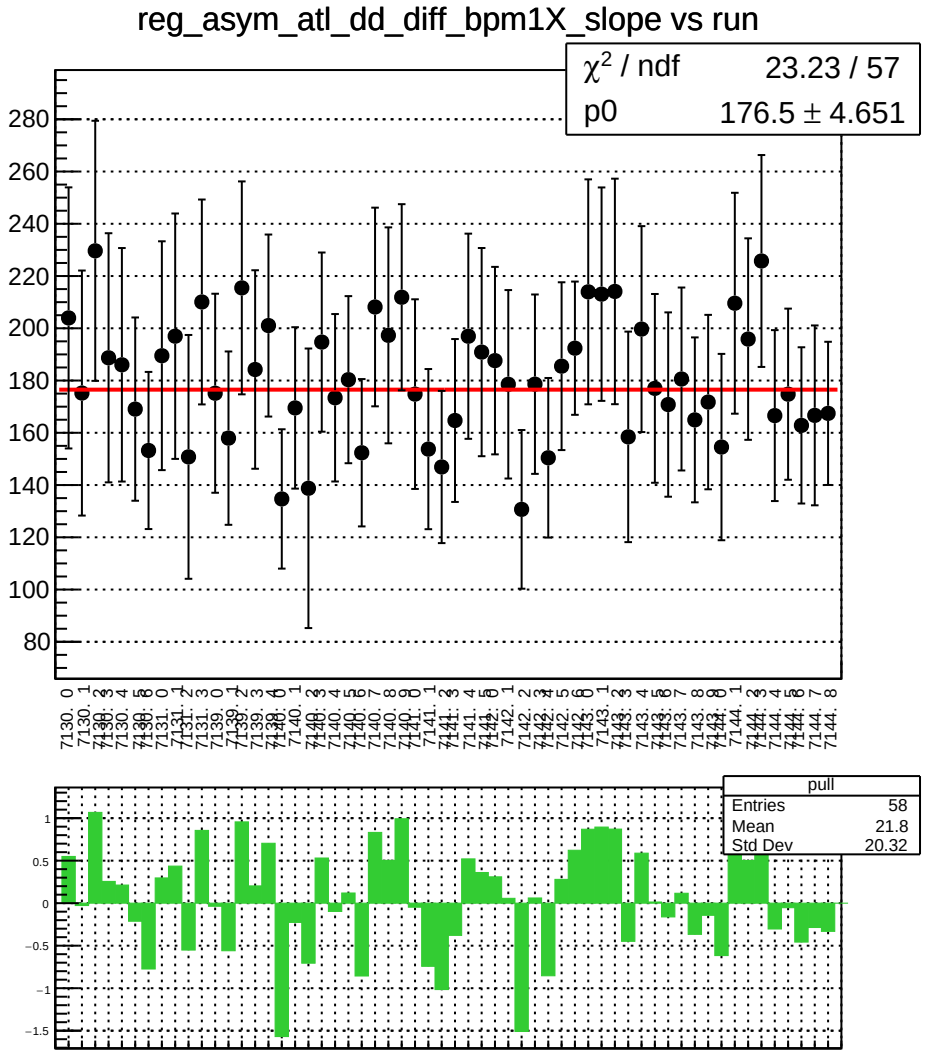

pull1D
Entries 58
Mean 0.1079
Std Dev 0.8609

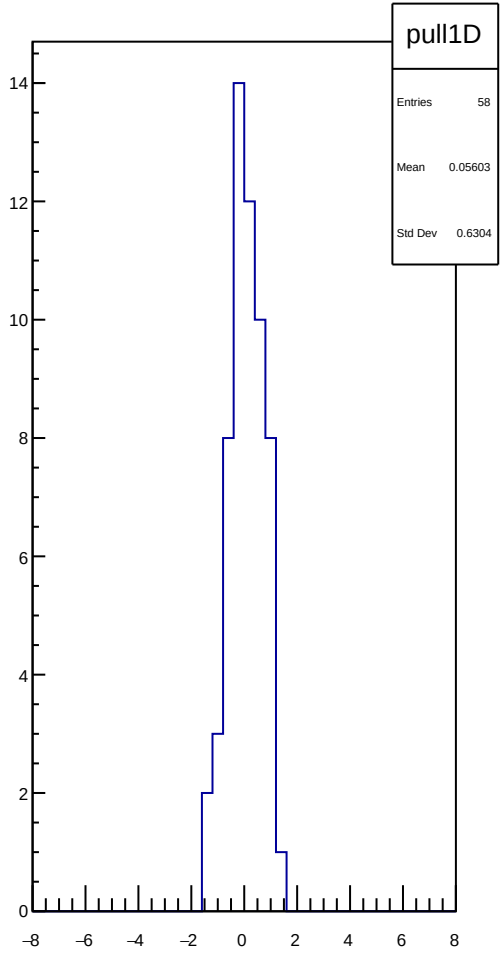

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.09 / 57
p0 77.98 ± 4.939
pull
Entries 58
Mean 144.3
Std Dev 118.2

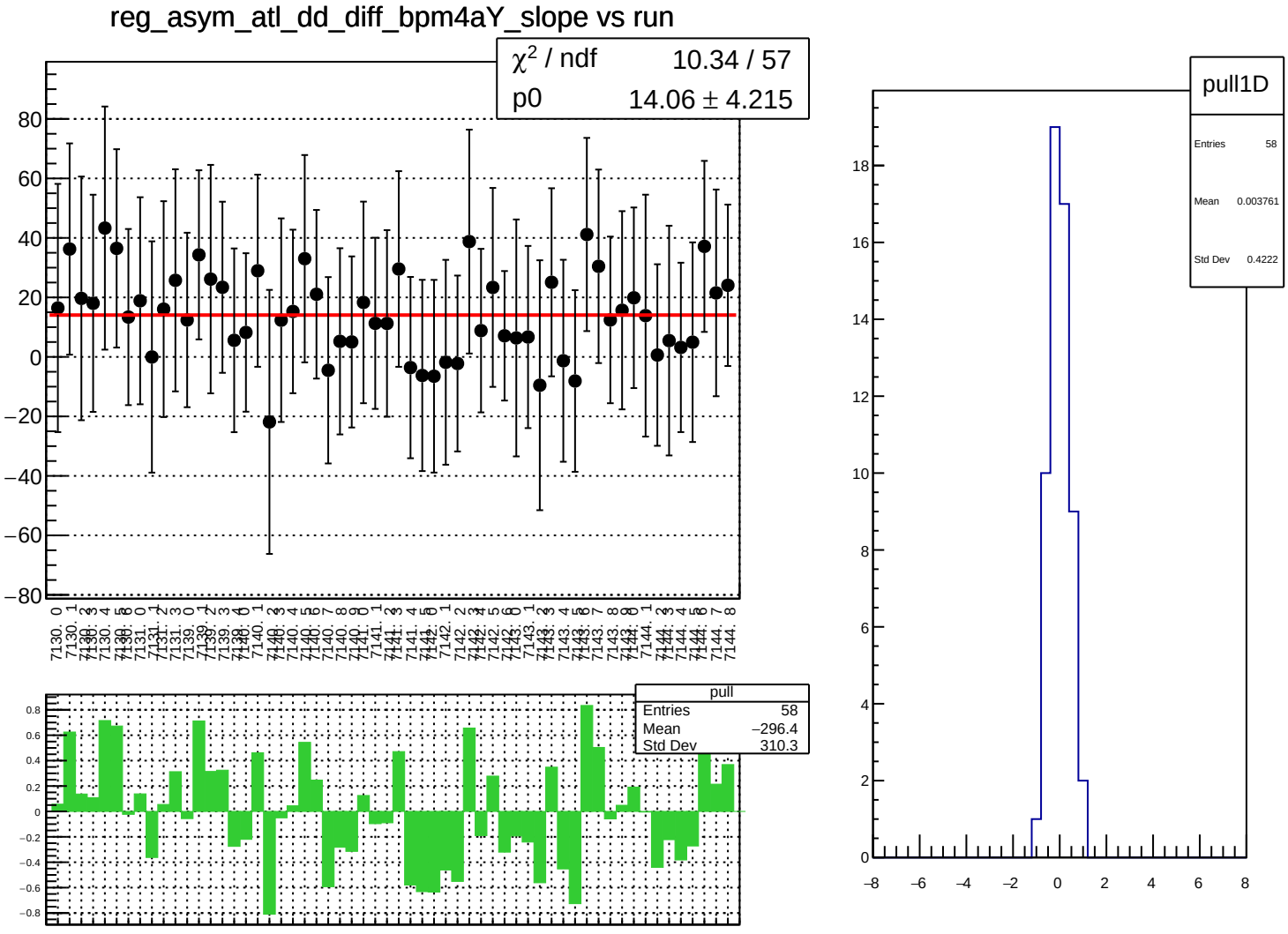

pull1D
Entries 58
Mean −0.005562
Std Dev 0.5267

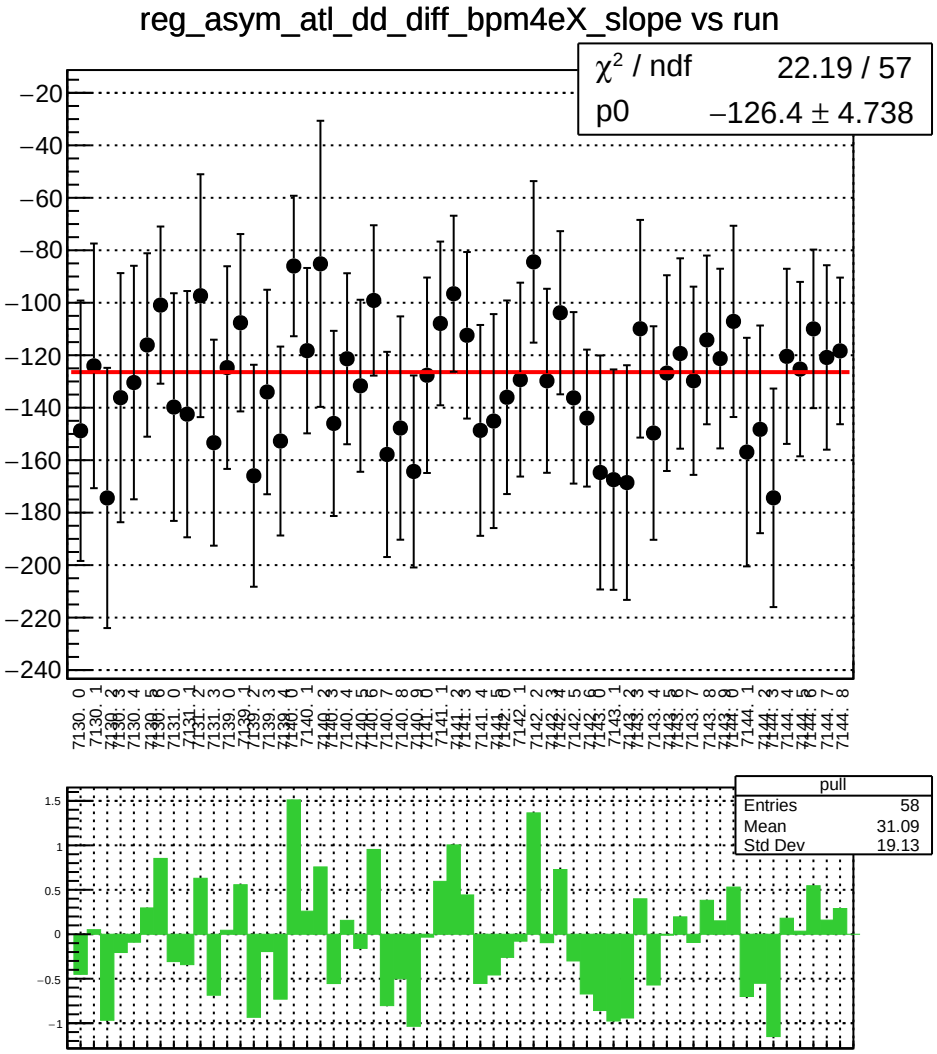

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 45.46 / 57
p0 −152.7 ± 0.2304
pull
Entries 58
Mean 872.5
Std Dev 850.6

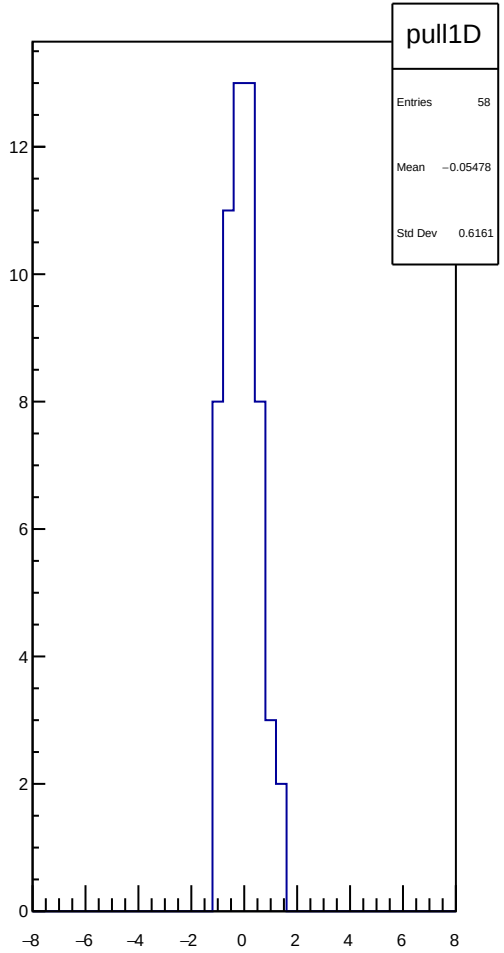

pull1D
Entries 58
Mean 0.006024
Std Dev 0.8853

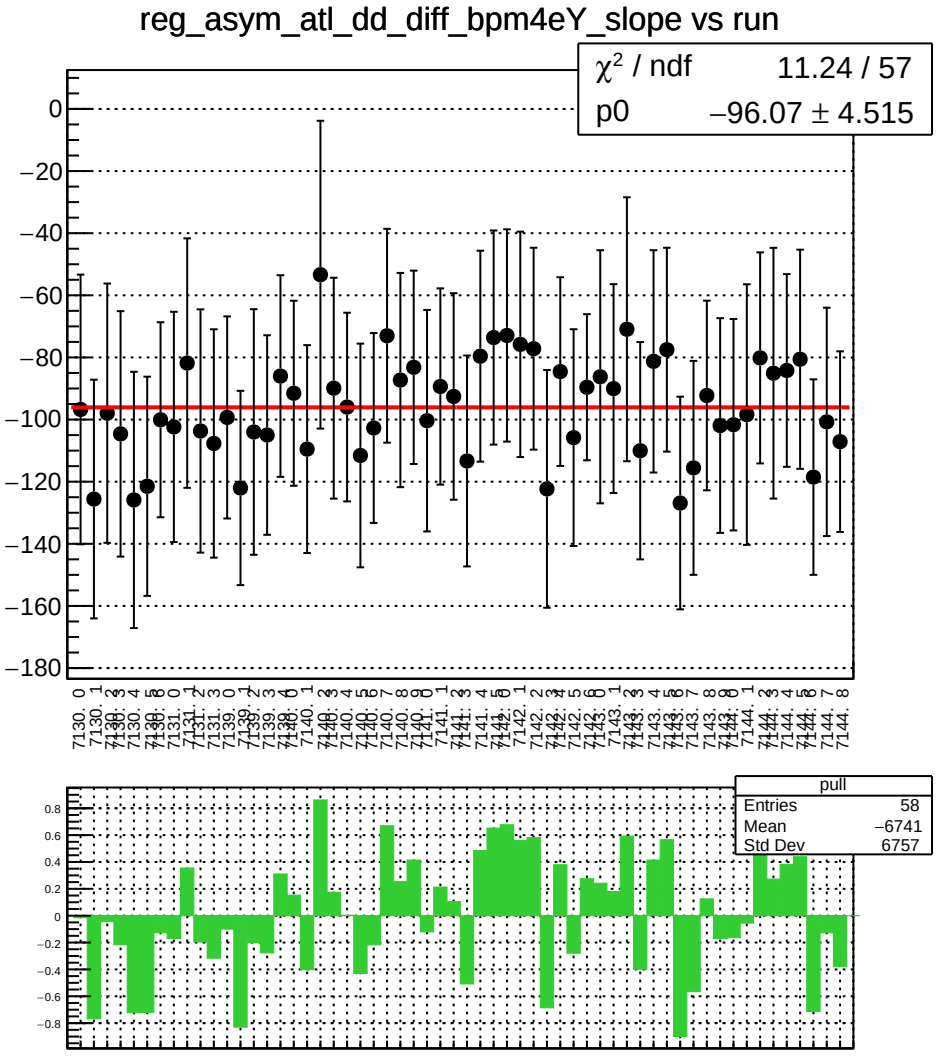

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 23.23 / 57
p0 176.5 ± 4.651
pull
Entries 58
Mean 21.8
Std Dev 20.32

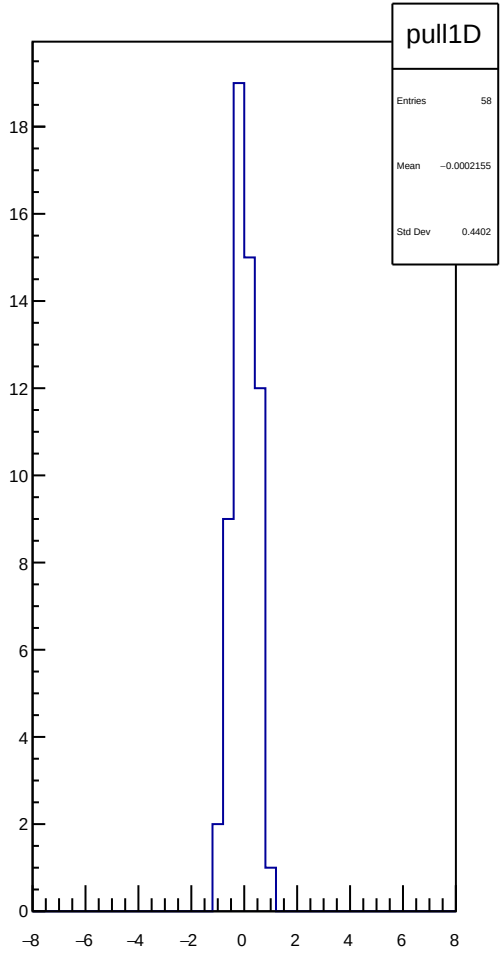

pull1D
Entries 58
Mean 0.05603
Std Dev 0.6304

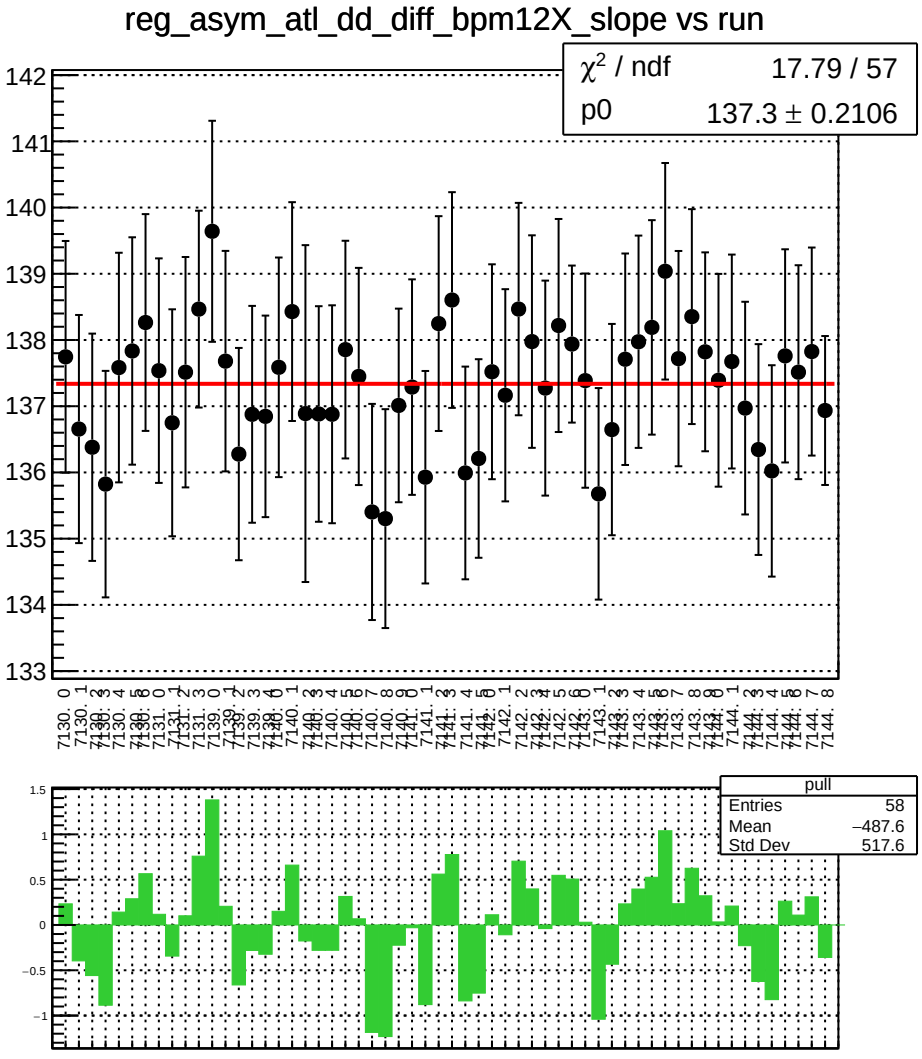

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.34 / 57
p0 14.06 ± 4.215
pull
Entries 58
Mean −296.4
Std Dev 310.3
pull1D
Entries 58
Mean 0.003761
Std Dev 0.4222

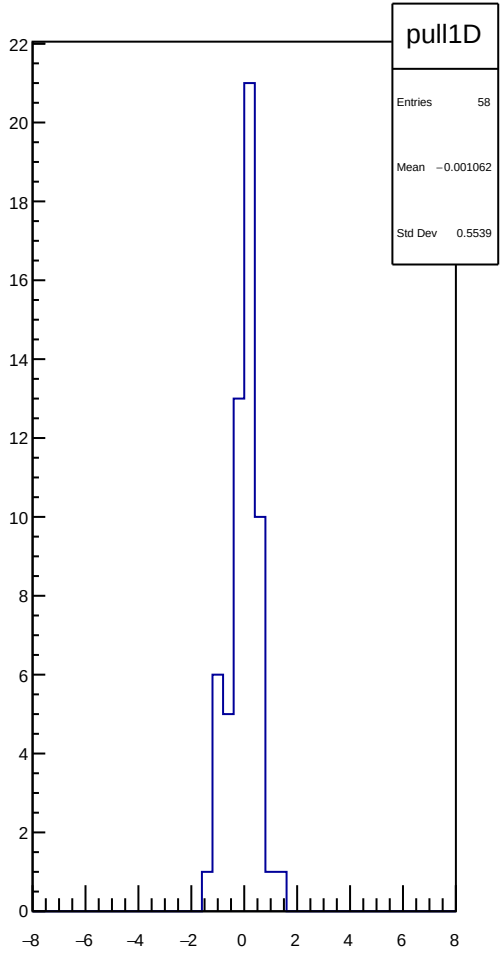

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.19 / 57
p0 −126.4 ± 4.738
pull
Entries 58
Mean 31.09
Std Dev 19.13

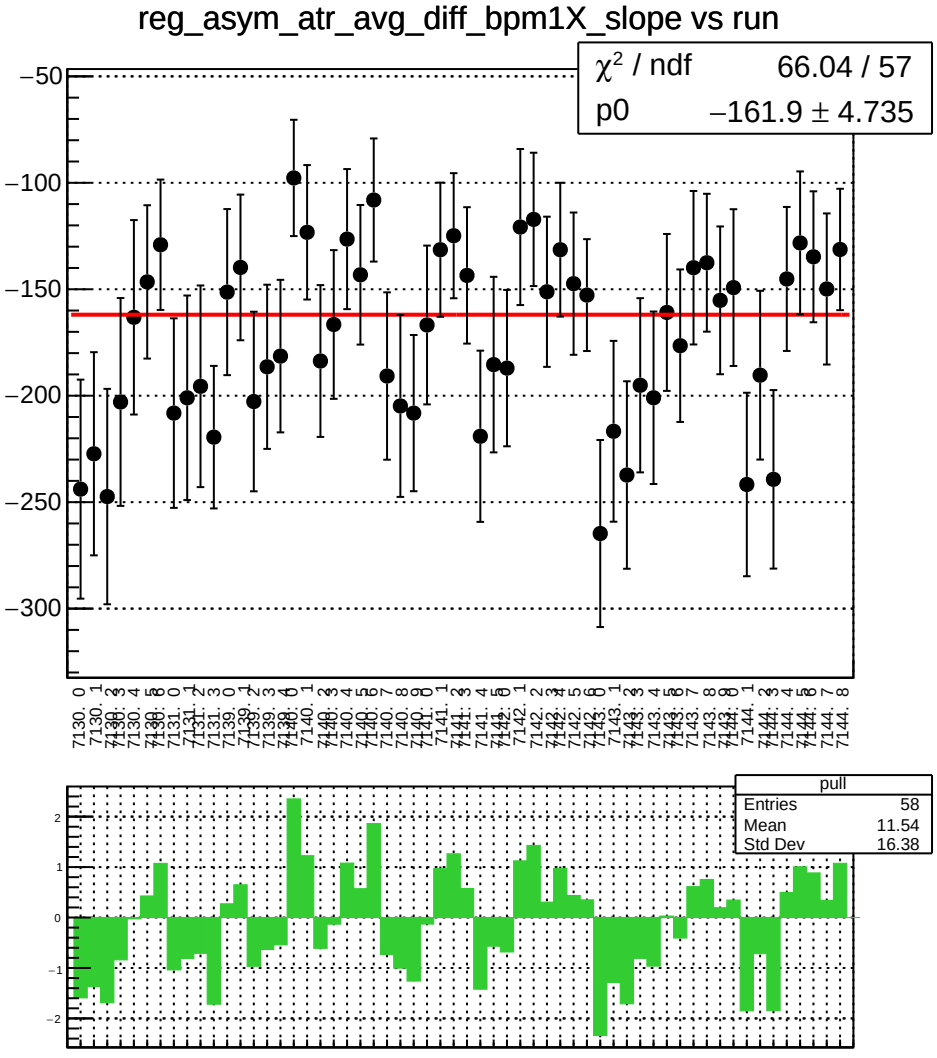

pull1D
Entries 58
Mean −0.05478
Std Dev 0.6161

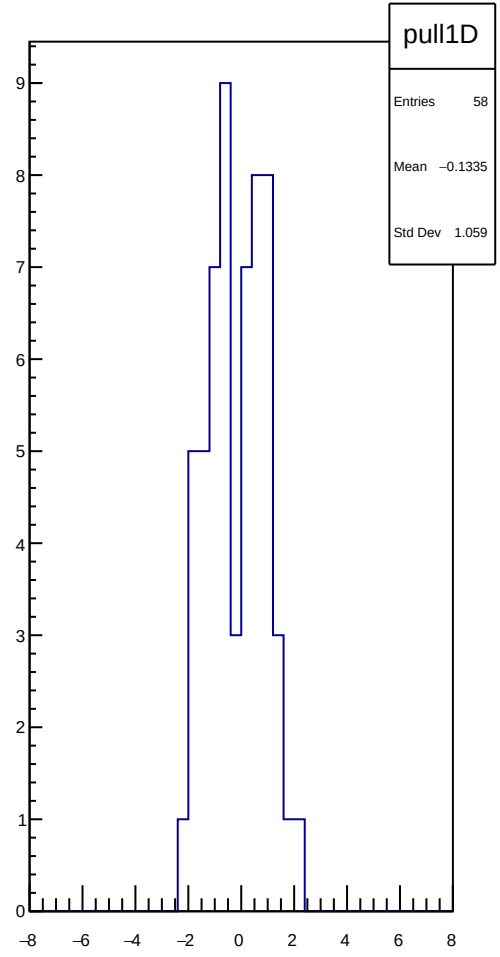

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.24 / 57
p0 −96.07 ± 4.515
pull
Entries 58
Mean −6741
Std Dev 6757

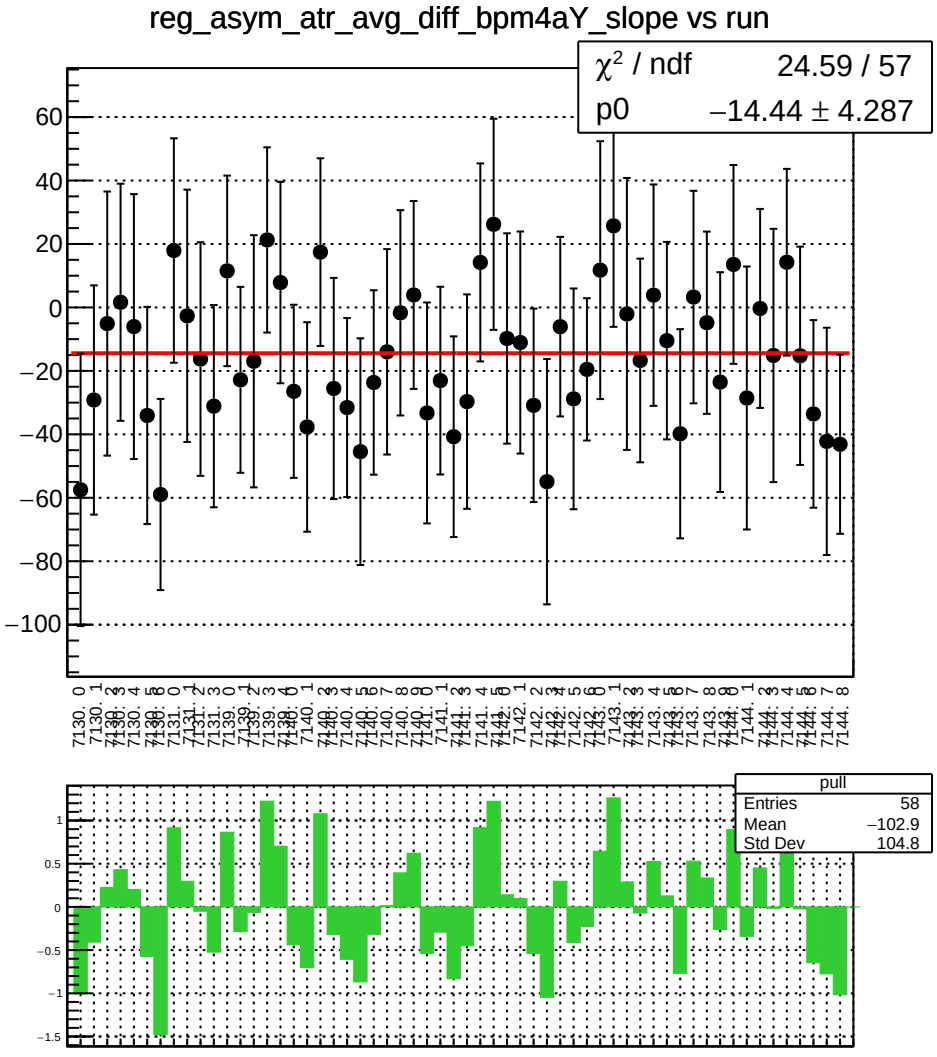

pull1D
Entries 58
Mean −0.0002155
Std Dev 0.4402

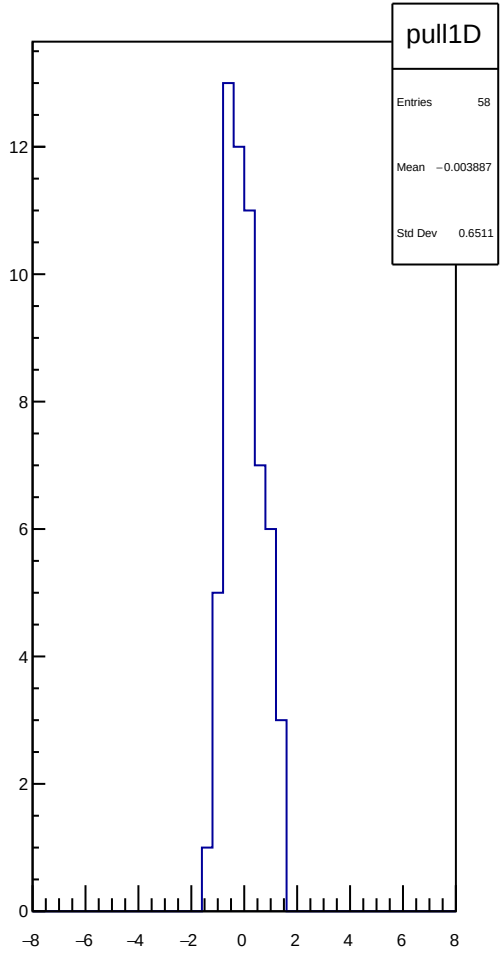

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.79 / 57
p0 137.3 ± 0.2106
pull
Entries 58
Mean −487.6
Std Dev 517.6

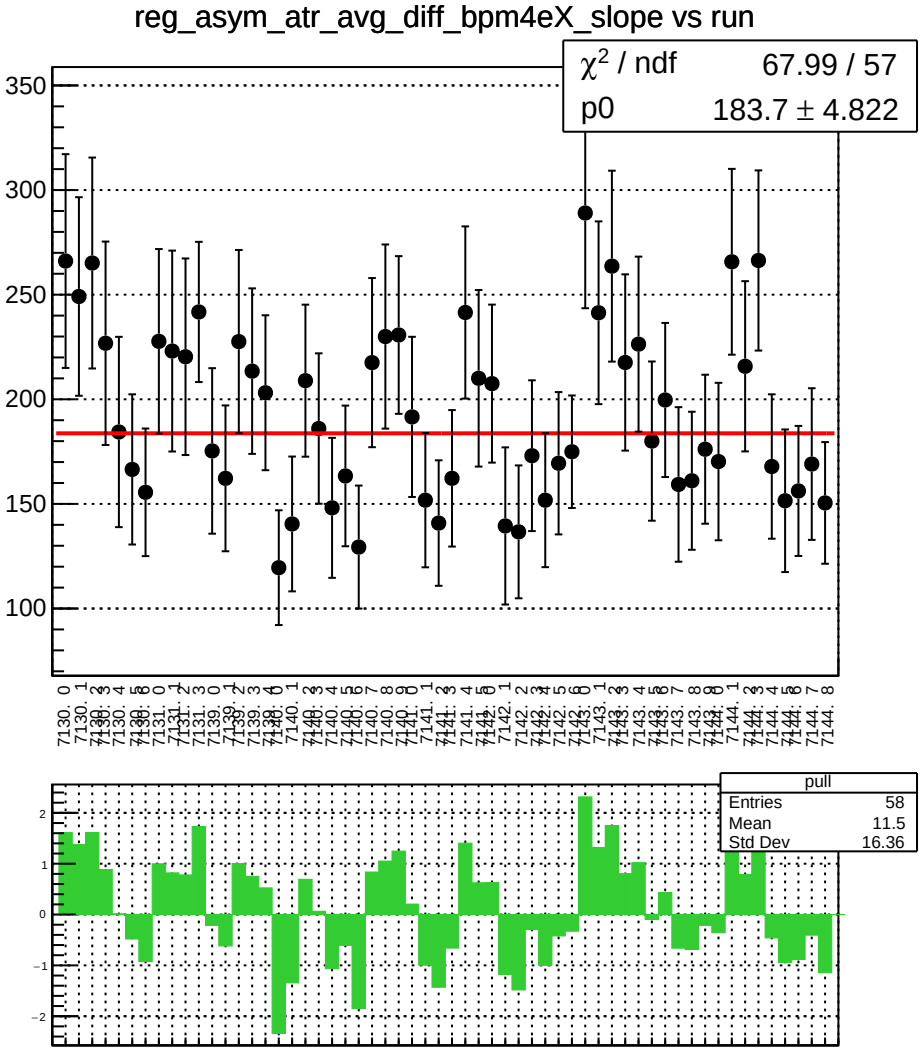

pull1D
Entries 58
Mean −0.001062
Std Dev 0.5539

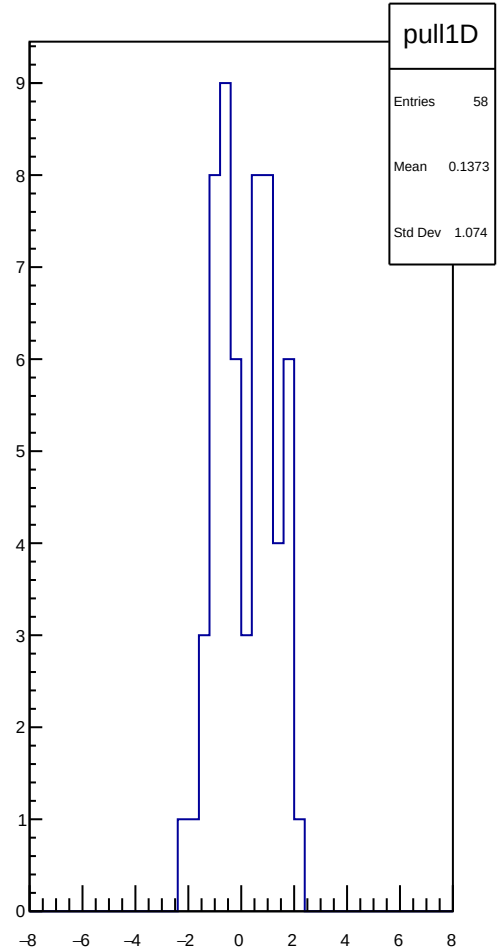

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 66.04 / 57
p0 −161.9 ± 4.735
pull
Entries 58
Mean 11.54
Std Dev 16.38

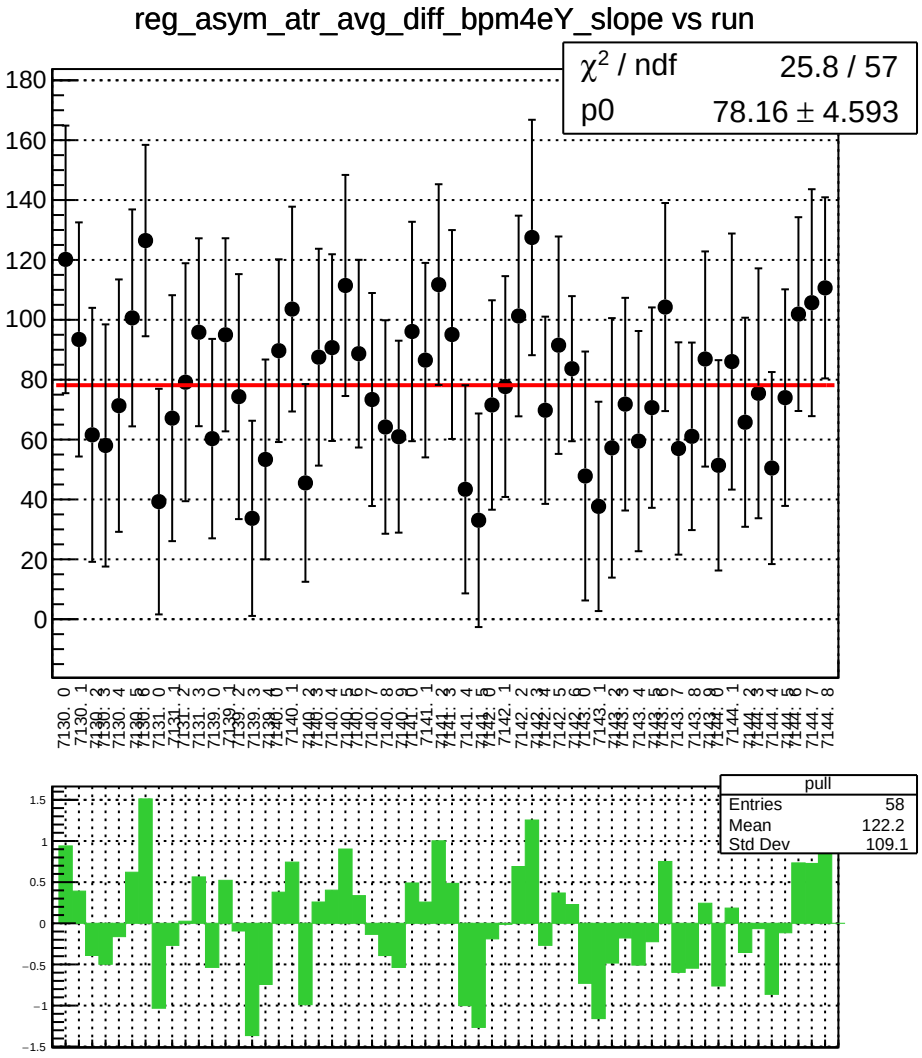

pull1D
Entries 58
Mean −0.1335
Std Dev 1.059

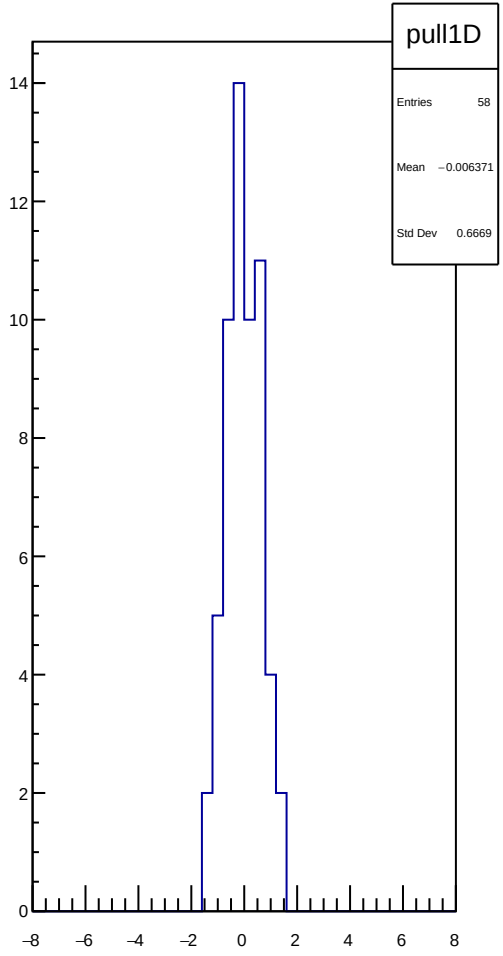

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.59 / 57
p0 −14.44 ± 4.287
pull
Entries 58
Mean −102.9
Std Dev 104.8

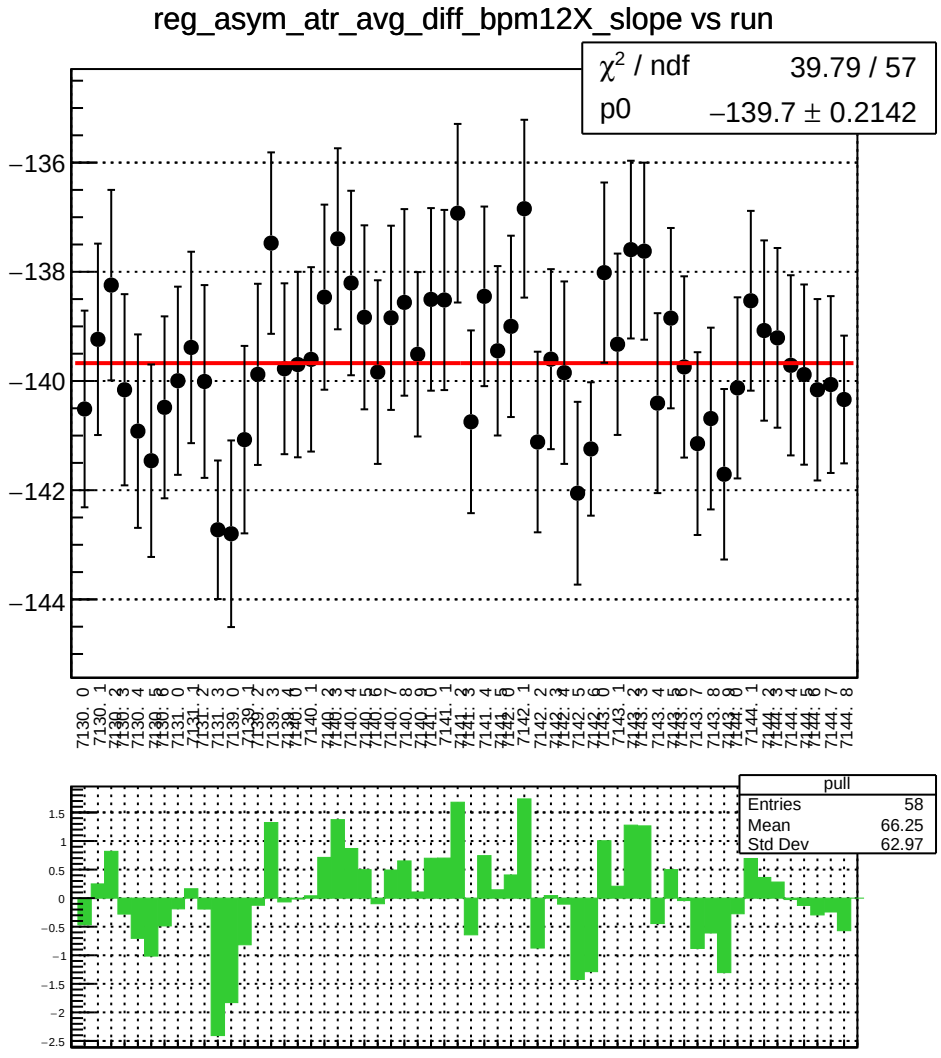

pull1D
Entries 58
Mean −0.003887
Std Dev 0.6511

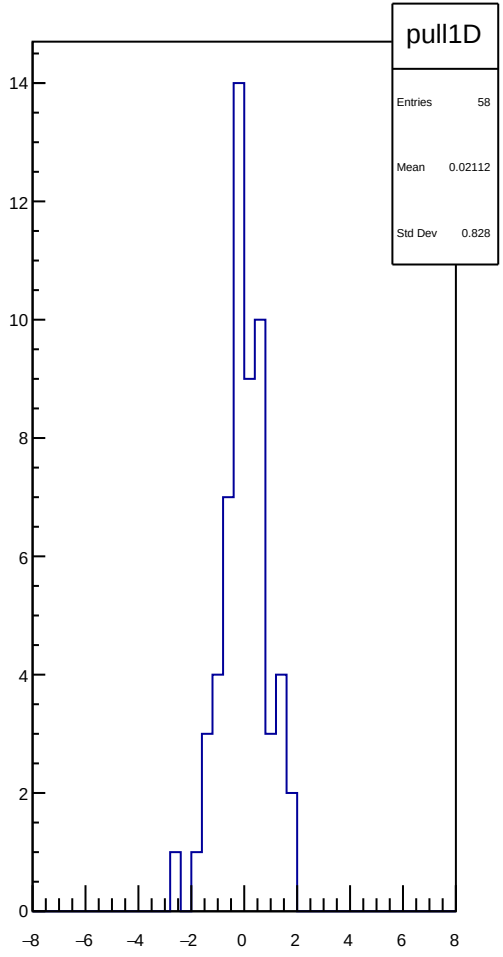

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.99 / 57
p0 183.7 ± 4.822
pull
Entries 58
Mean 11.5
Std Dev 16.36

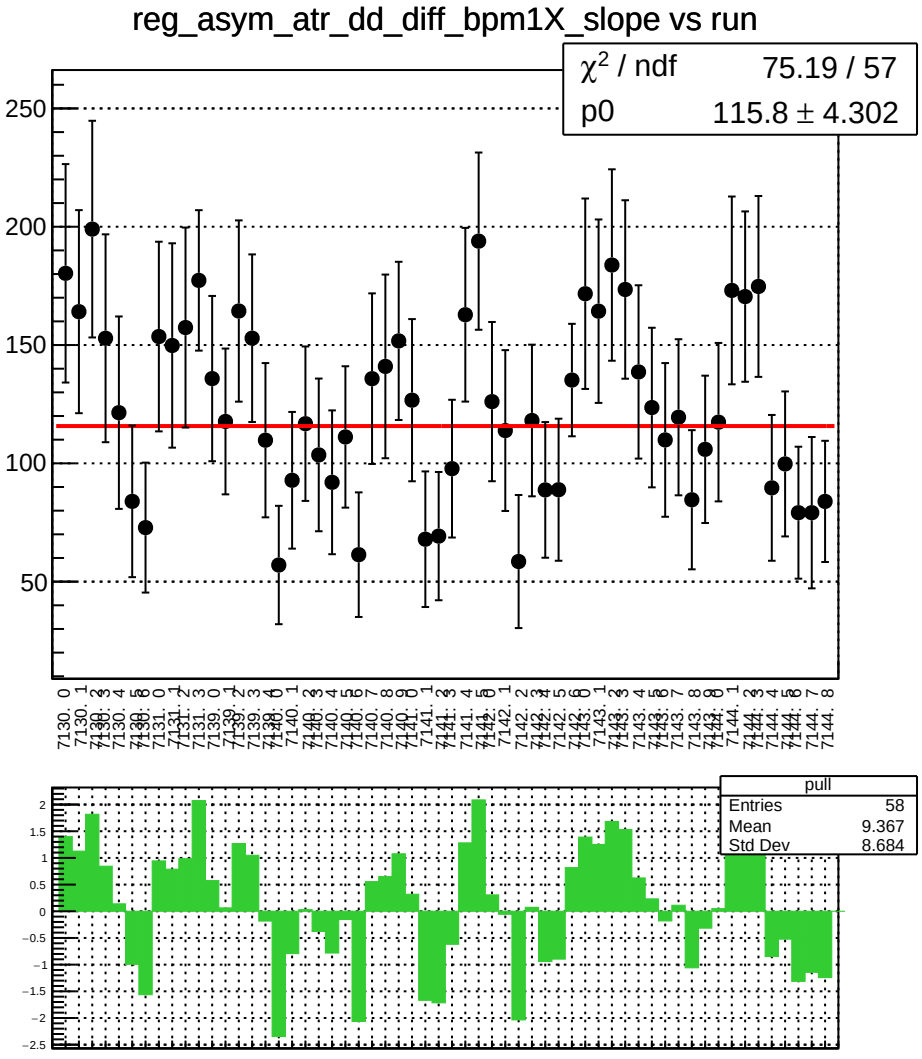

pull1D
Entries 58
Mean 0.1373
Std Dev 1.074

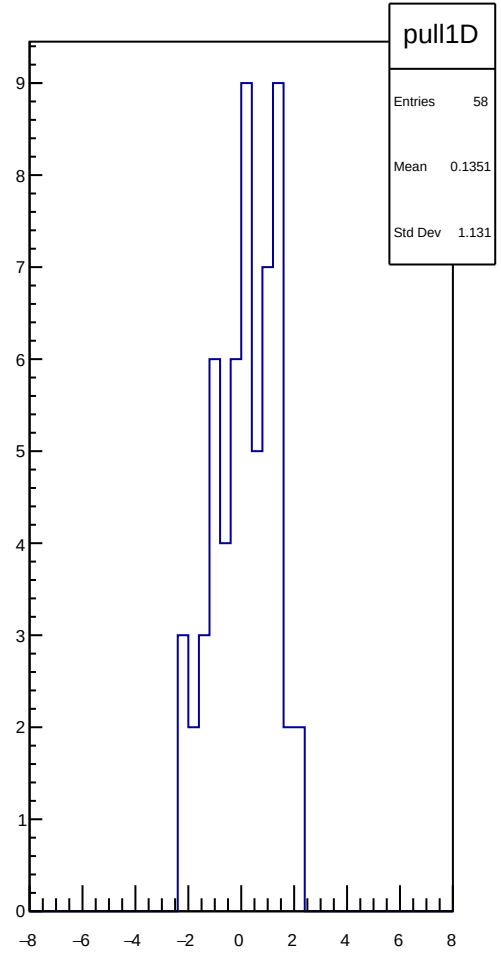

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.8 / 57
p0 78.16 ± 4.593
pull
Entries 58
Mean 122.2
Std Dev 109.1

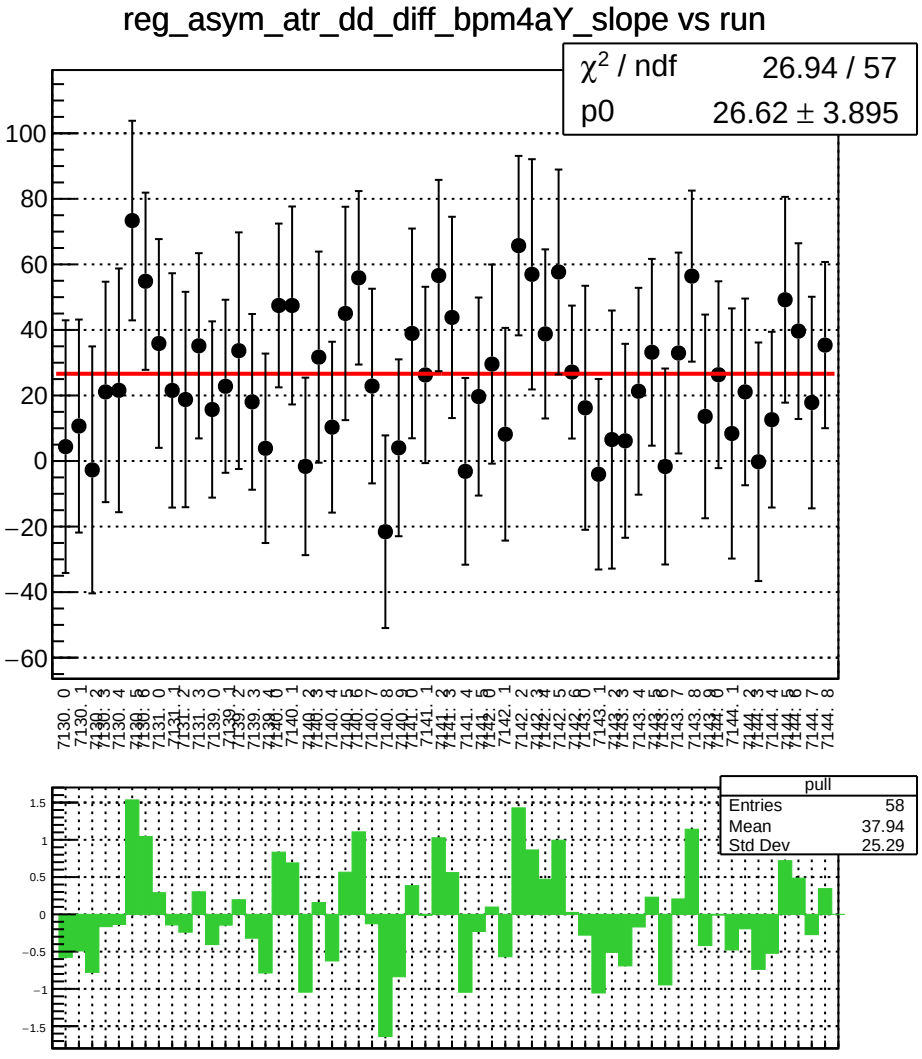

pull1D
Entries 58
Mean −0.006371
Std Dev 0.6669

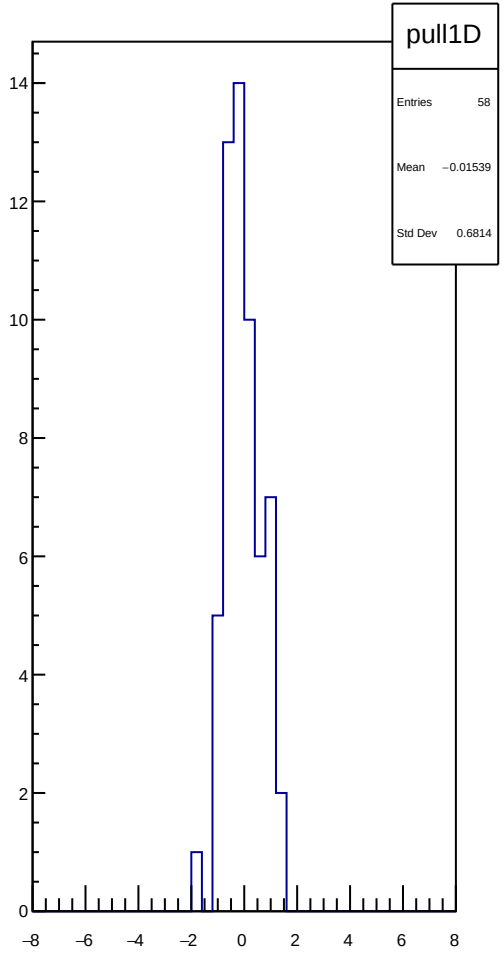

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 39.79 / 57
p0 −139.7 ± 0.2142
pull
Entries 58
Mean 66.25
Std Dev 62.97

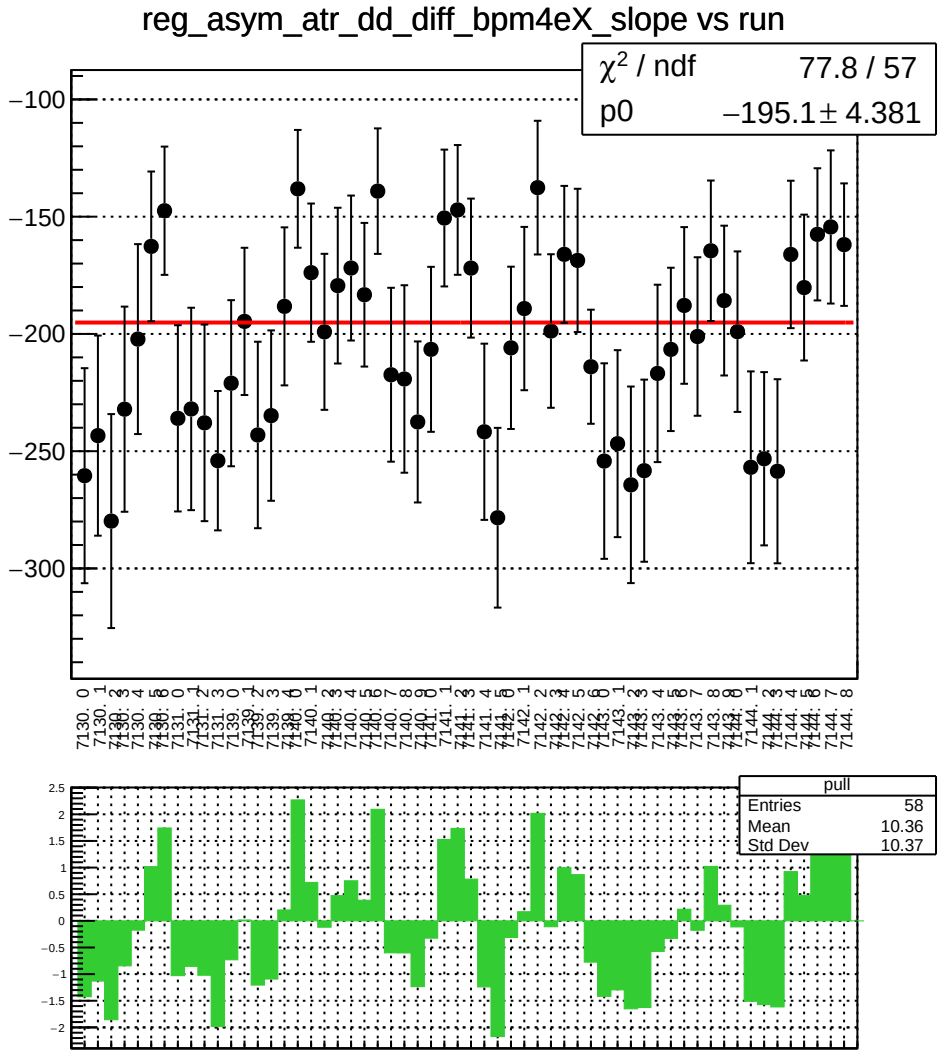

pull1D
Entries 58
Mean 0.02112
Std Dev 0.828

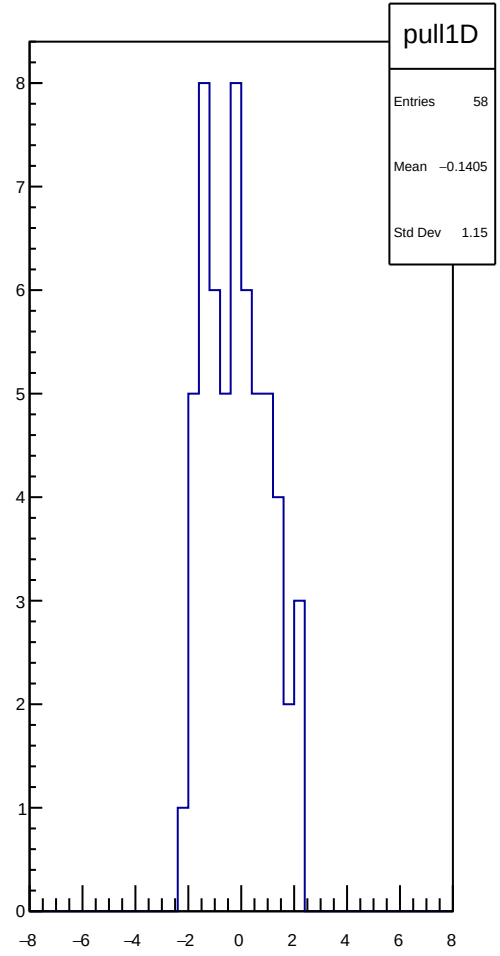

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 75.19 / 57
p0 115.8 ± 4.302
pull
Entries 58
Mean 9.367
Std Dev 8.684

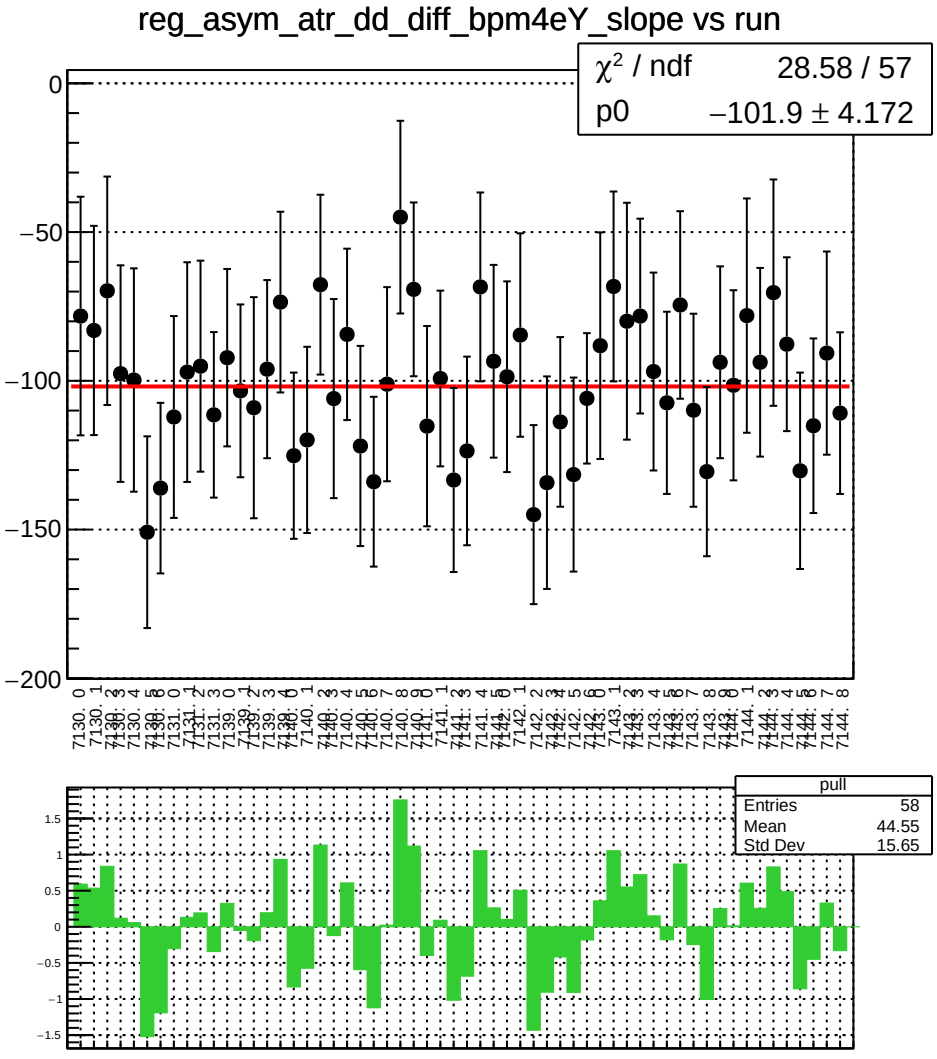

pull1D
Entries 58
Mean 0.1351
Std Dev 1.131

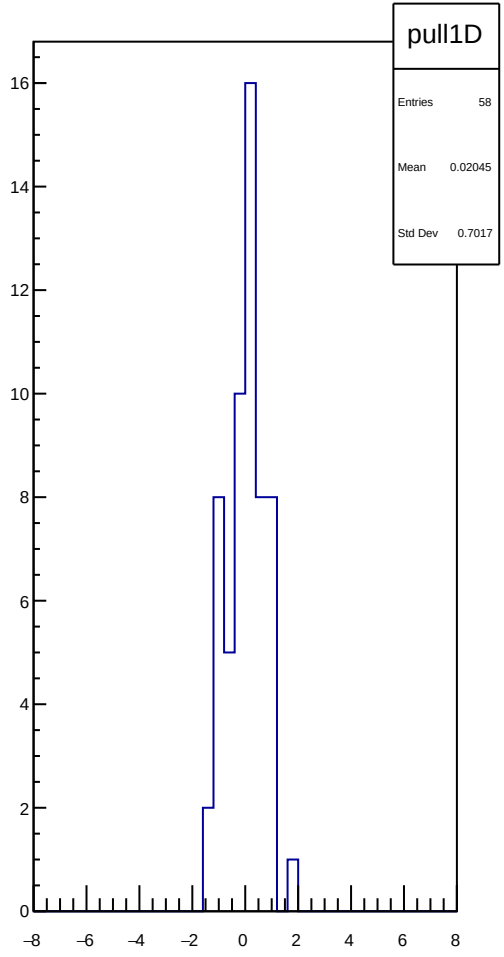

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 26.94 / 57
p0 26.62 ± 3.895
pull
Entries 58
Mean 37.94
Std Dev 25.29

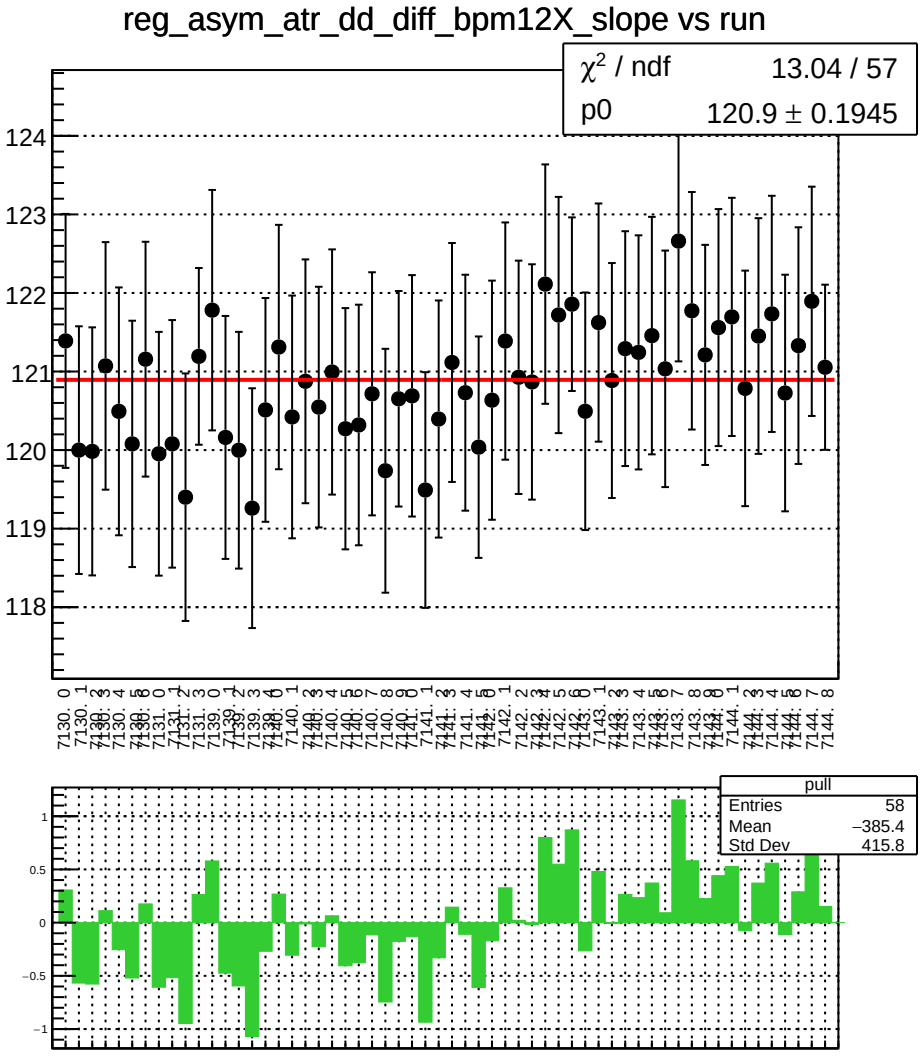

pull1D
Entries 58
Mean −0.01539
Std Dev 0.6814

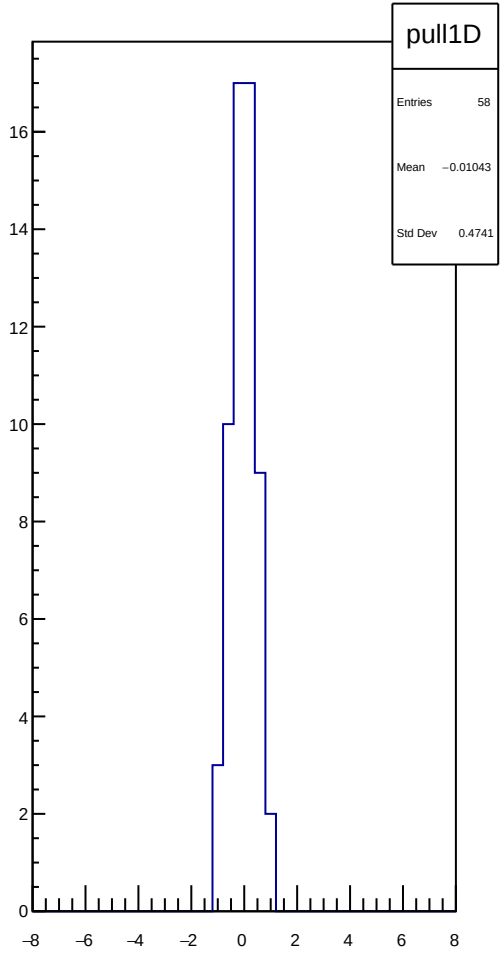

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 77.8 / 57
p0 −195.1 ± 4.381
−100
−150
−200
−250
−300
pull
Entries 58
Mean 10.36
Std Dev 10.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

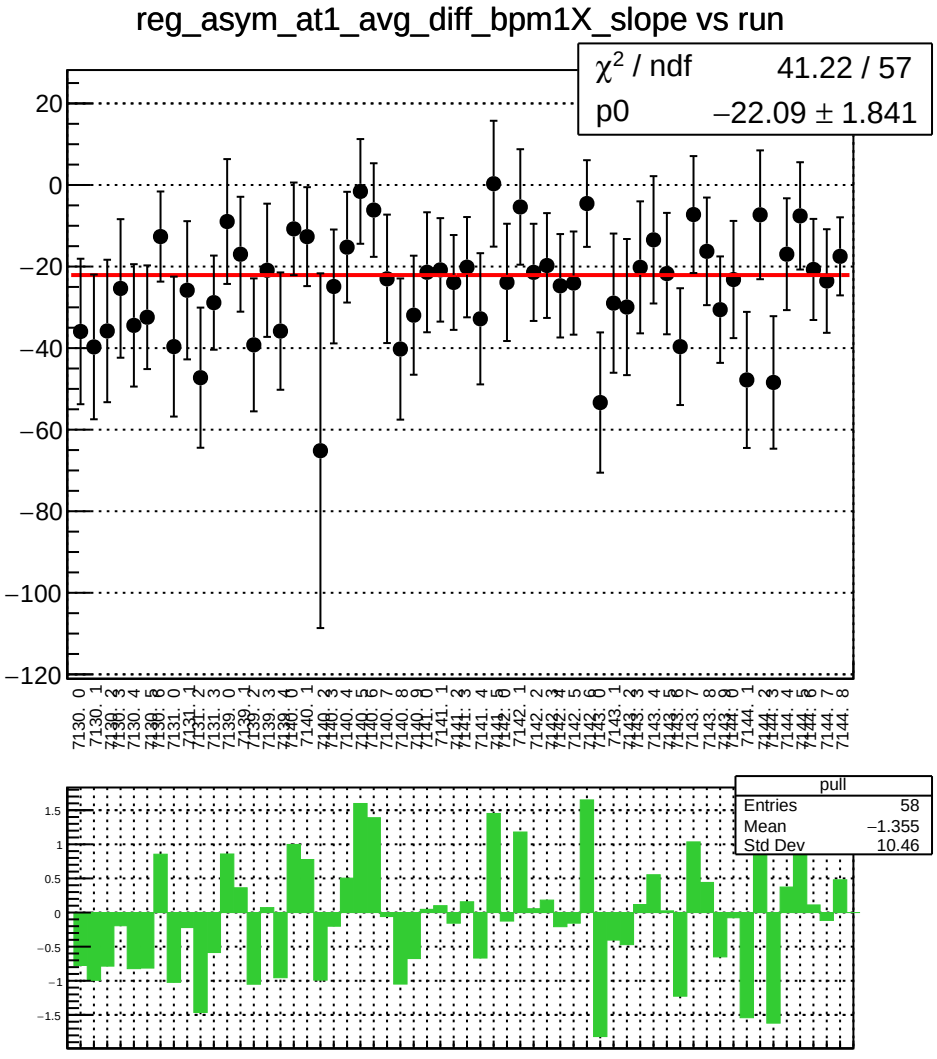

pull1D
Entries 58
Mean −0.1405
Std Dev 1.15
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

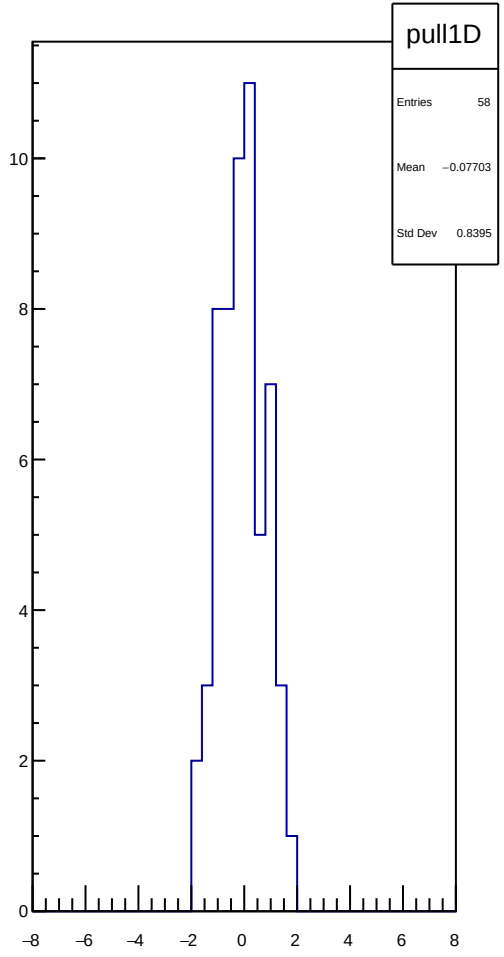

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.58 / 57
p0 −101.9 ± 4.172
pull
Entries 58
Mean 44.55
Std Dev 15.65

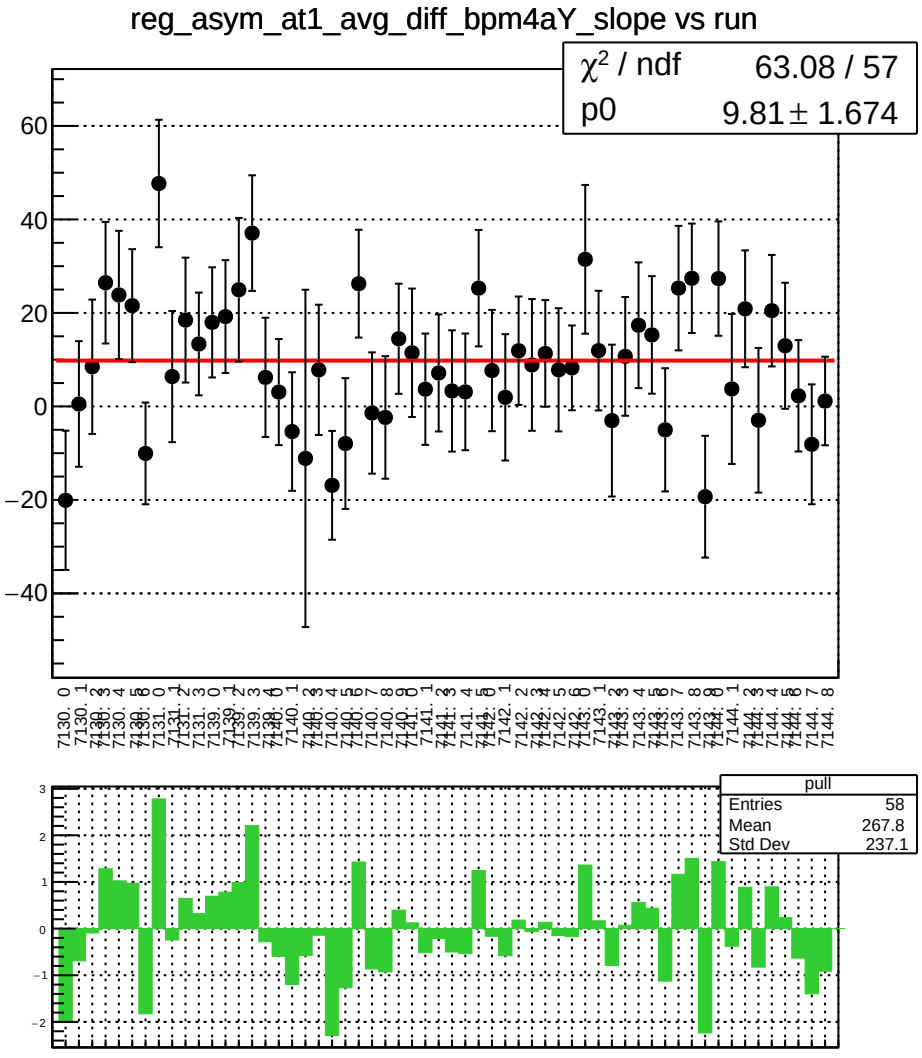

pull1D
Entries 58
Mean 0.02045
Std Dev 0.7017

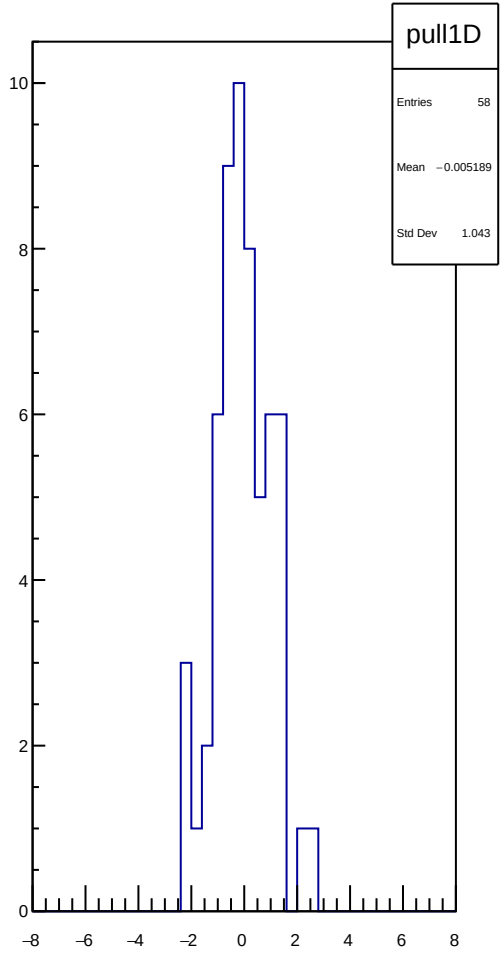

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.04 / 57
p0 120.9 ± 0.1945
124
123
122
121
120
119
118
pull
Entries 58
Mean −385.4
Std Dev 415.8
1
0.5
0
−0.5
−1

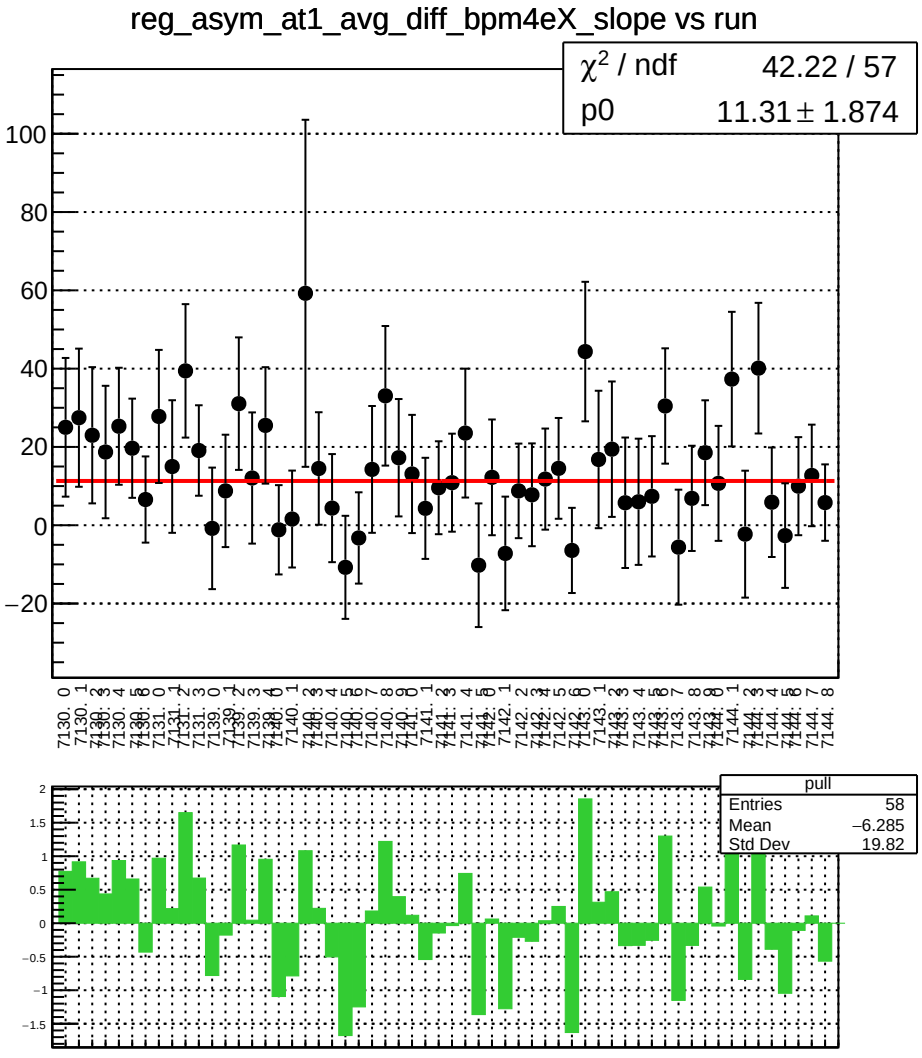

pull1D
Entries 58
Mean −0.01043
Std Dev 0.4741
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

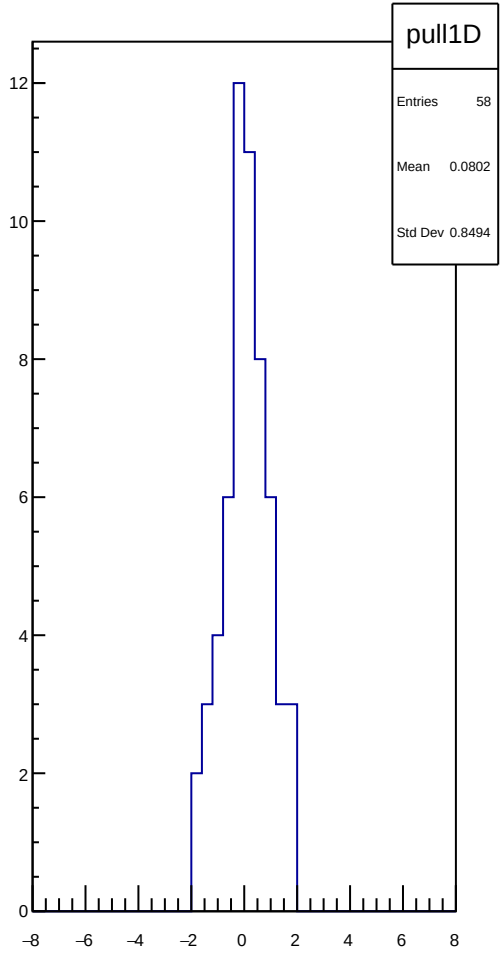

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 41.22 / 57
p0 −22.09 ± 1.841
pull
Entries 58
Mean −1.355
Std Dev 10.46

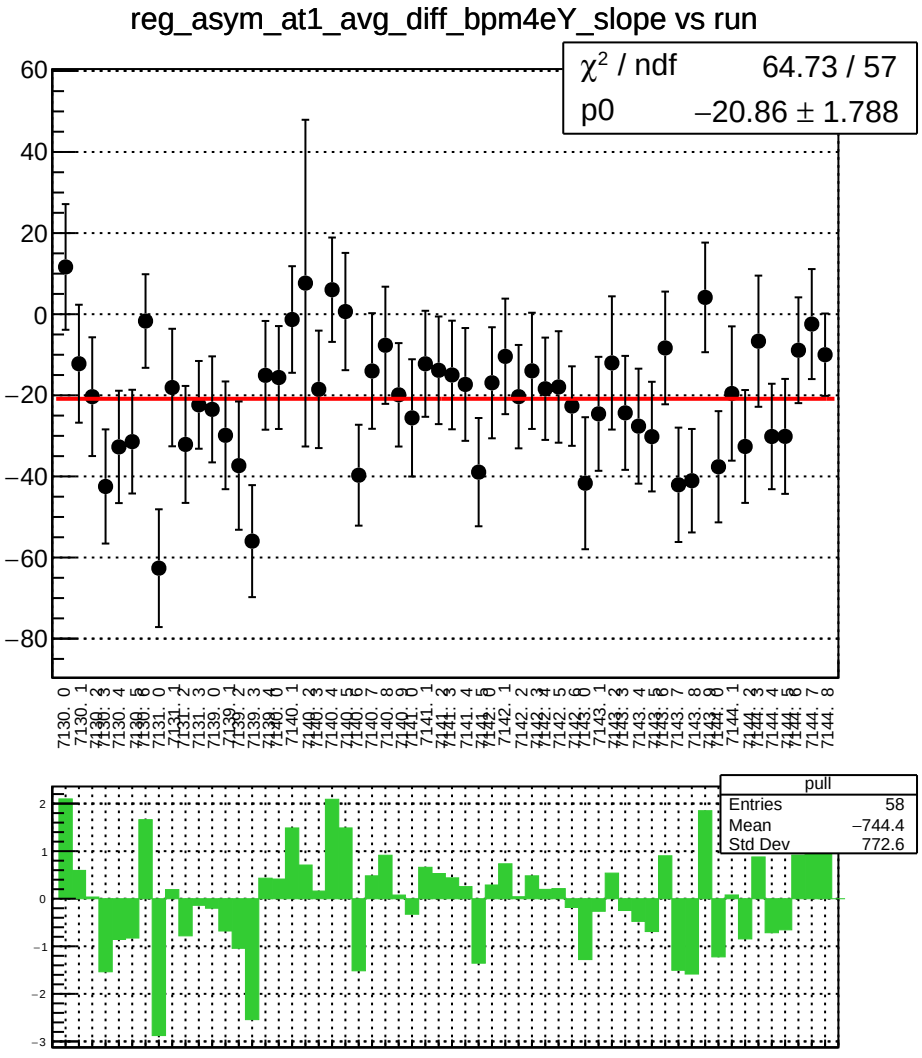

pull1D
Entries 58
Mean −0.07703
Std Dev 0.8395

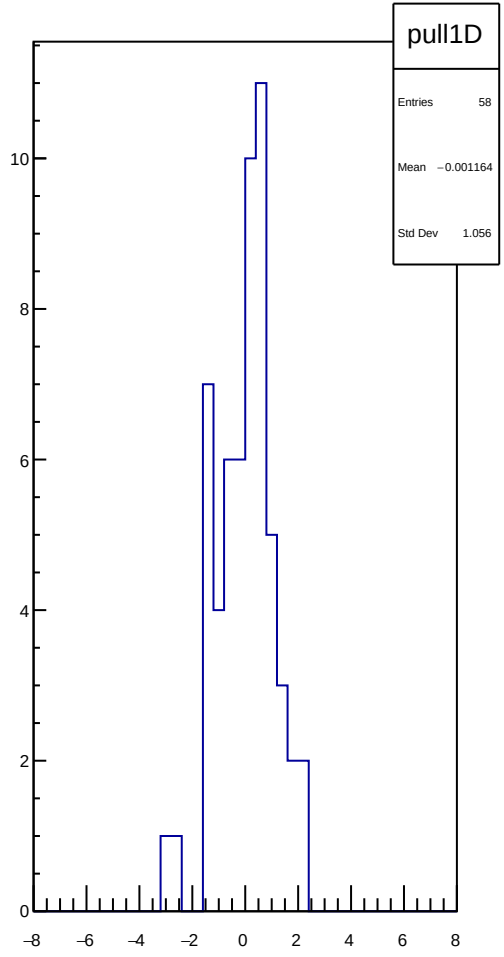

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.08 / 57
p0 9.81 ± 1.674
pull
Entries 58
Mean 267.8
Std Dev 237.1

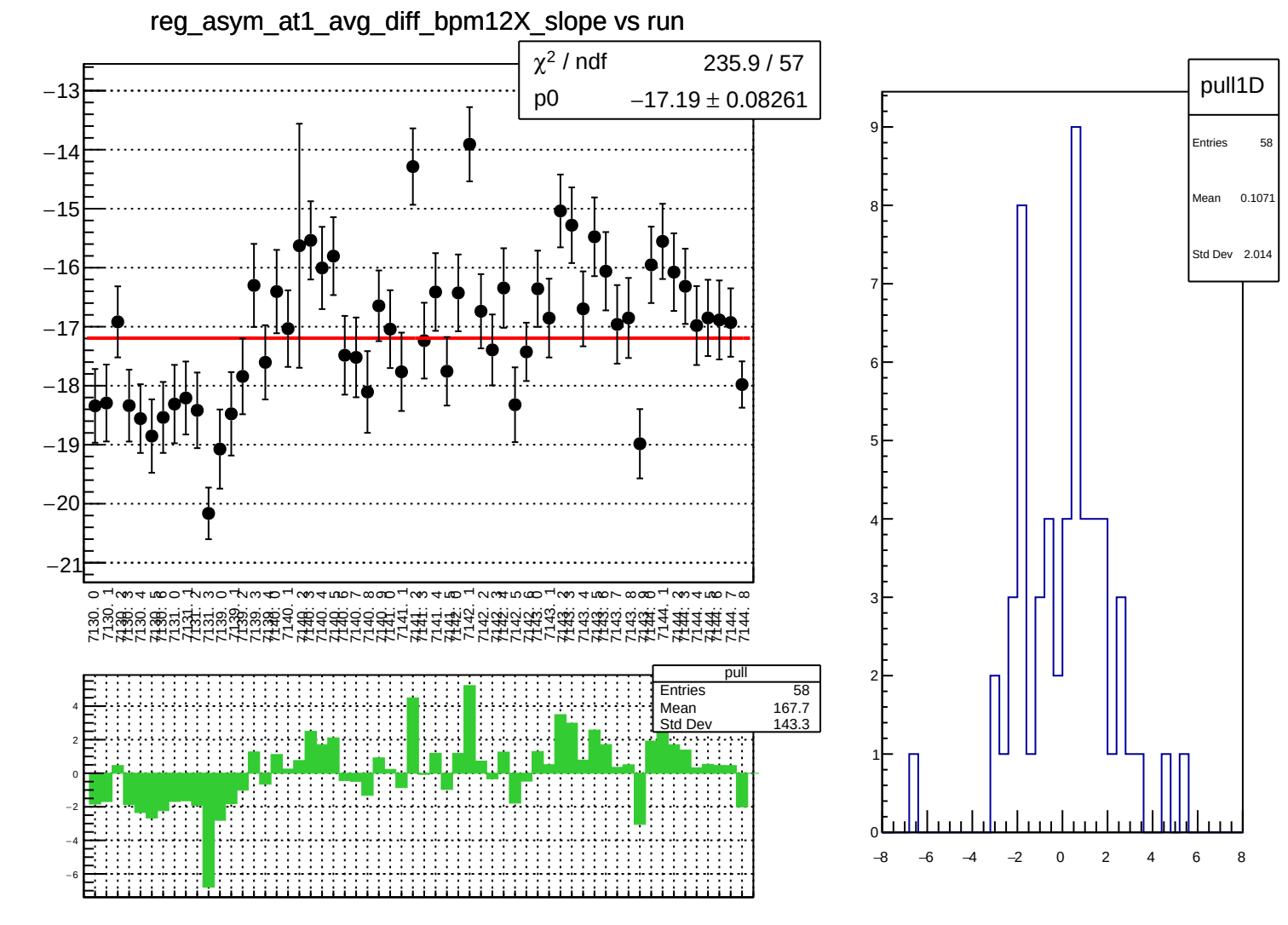

pull1D
Entries 58
Mean −0.005189
Std Dev 1.043

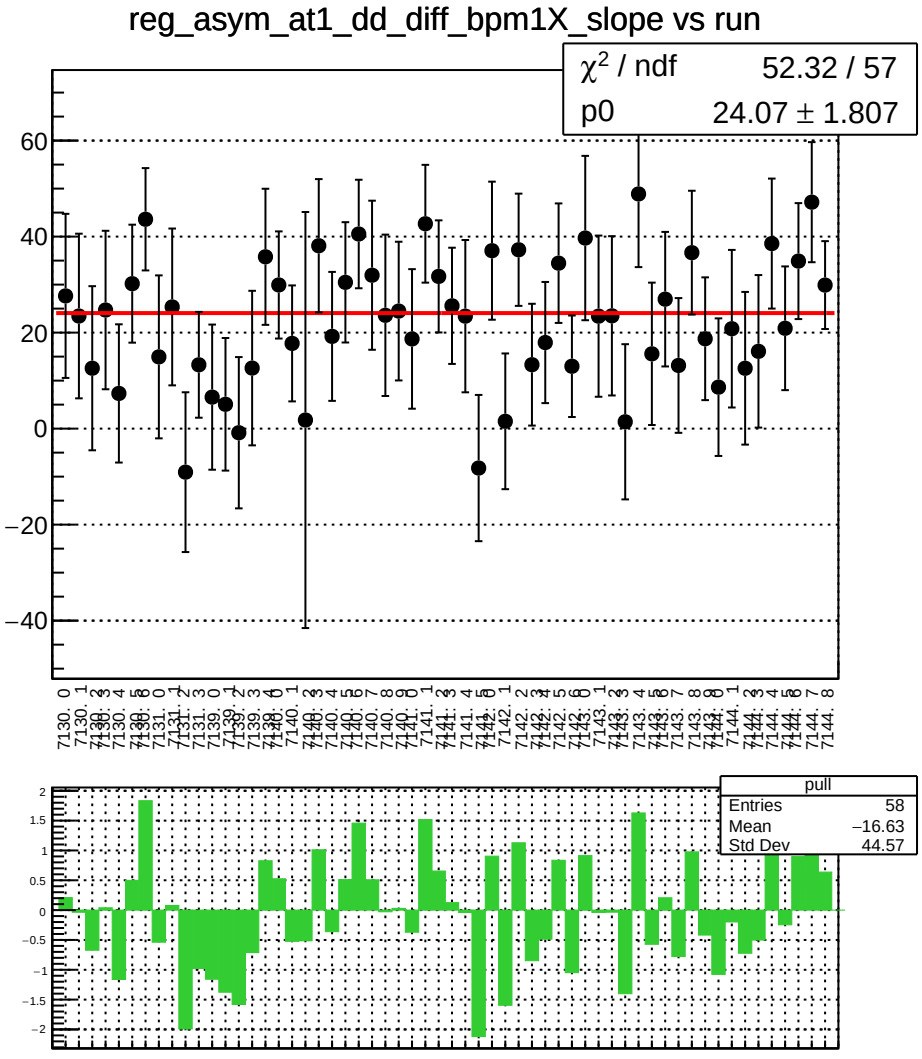

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 42.22 / 57
p0 11.31 ± 1.874
pull
Entries 58
Mean −6.285
Std Dev 19.82

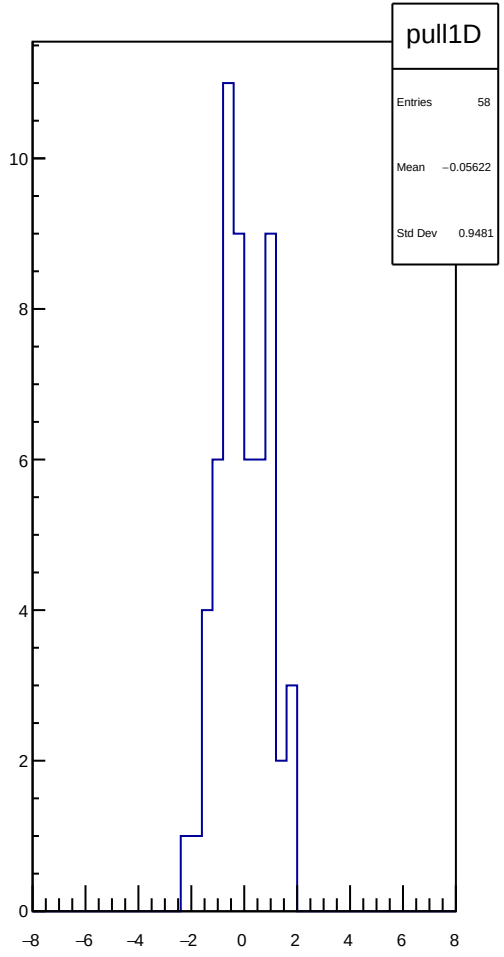

pull1D
Entries 58
Mean 0.0802
Std Dev 0.8494

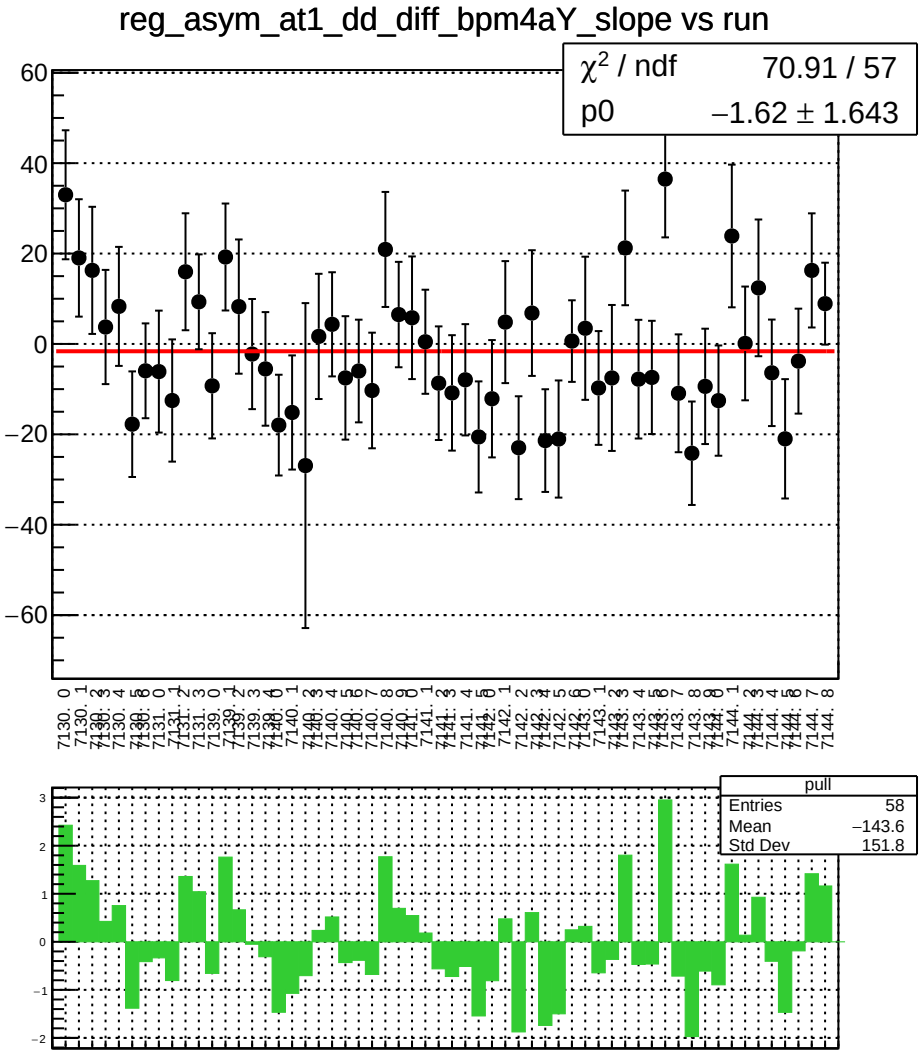

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.73 / 57
p0 −20.86 ± 1.788
pull
Entries 58
Mean −744.4
Std Dev 772.6

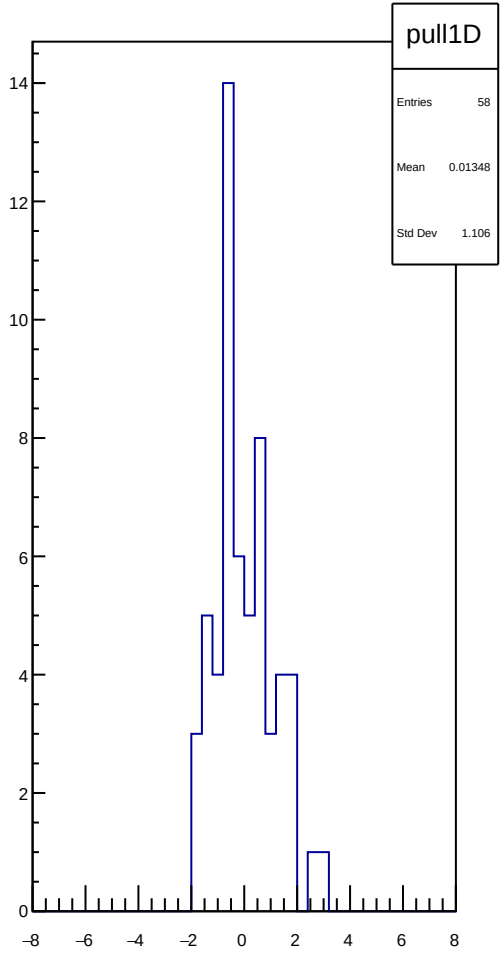

pull1D
Entries 58
Mean −0.001164
Std Dev 1.056

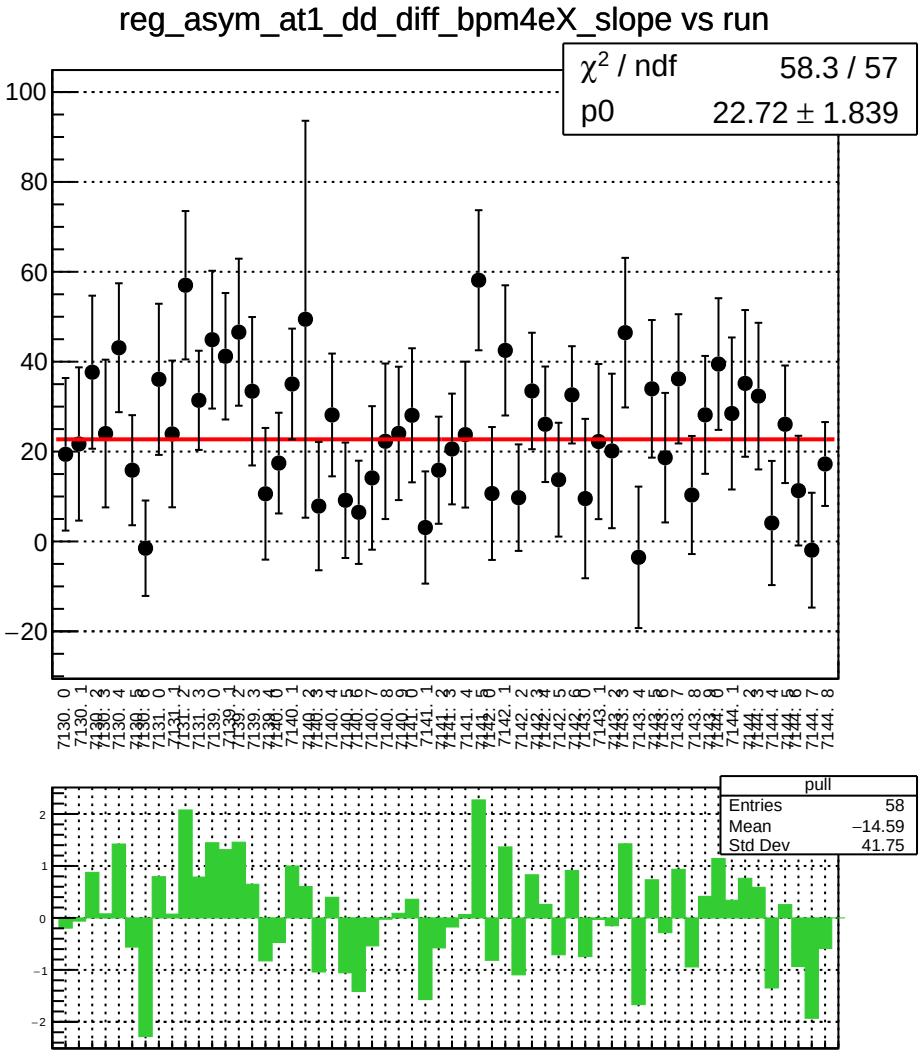

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 235.9 / 57
p0 −17.19 ± 0.08261
pull
Entries 58
Mean 167.7
Std Dev 143.3
pull1D
Entries 58
Mean 0.1071
Std Dev 2.014

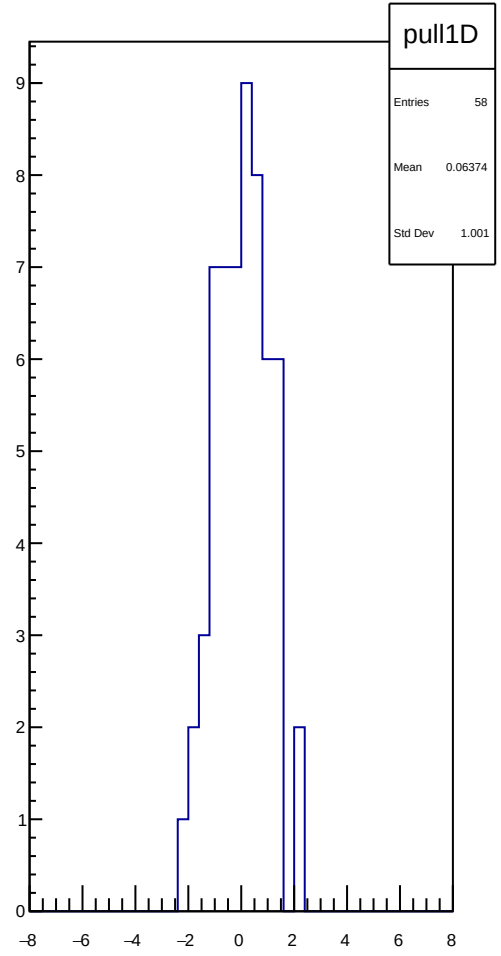

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ2 / ndf 52.32 / 57
p0 24.07 ± 1.807
pull
Entries 58
Mean −16.63
Std Dev 44.57

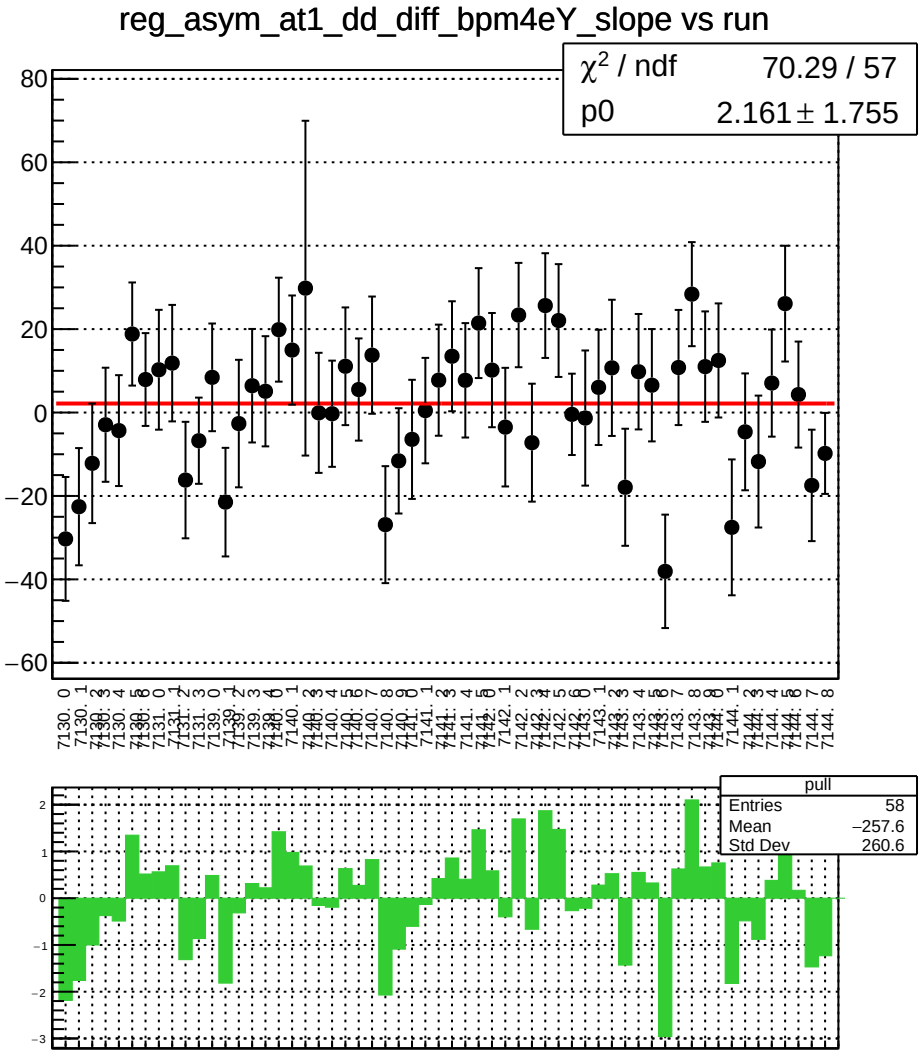

pull1D
Entries 58
Mean −0.05622
Std Dev 0.9481

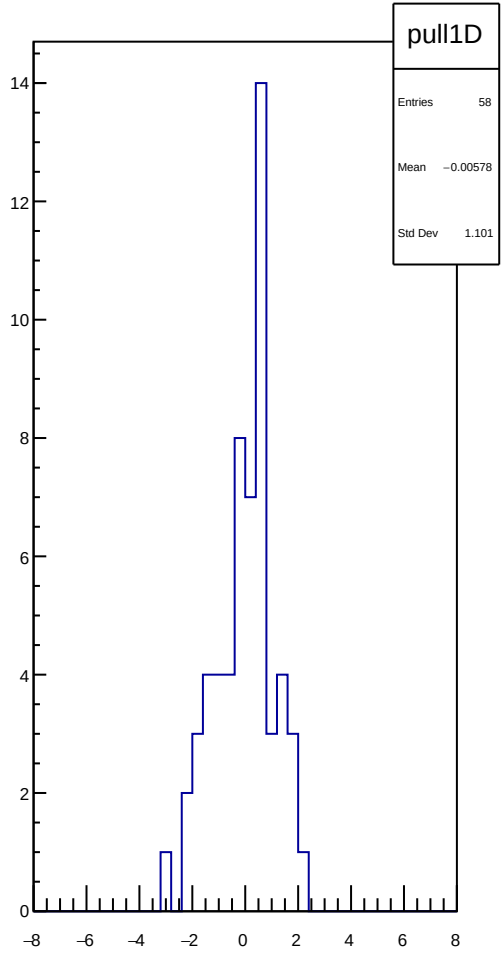

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 70.91 / 57
p0 −1.62 ± 1.643
pull
Entries 58
Mean −143.6
Std Dev 151.8

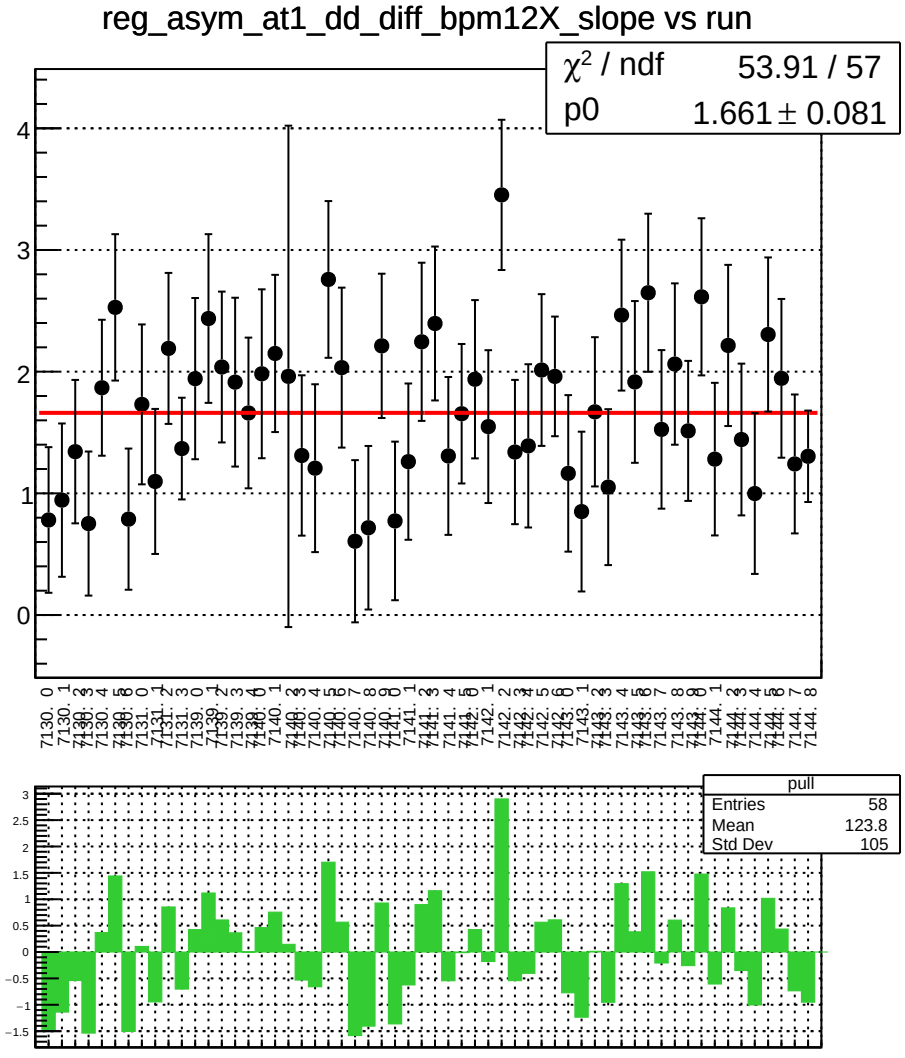

pull1D
Entries 58
Mean 0.01348
Std Dev 1.106

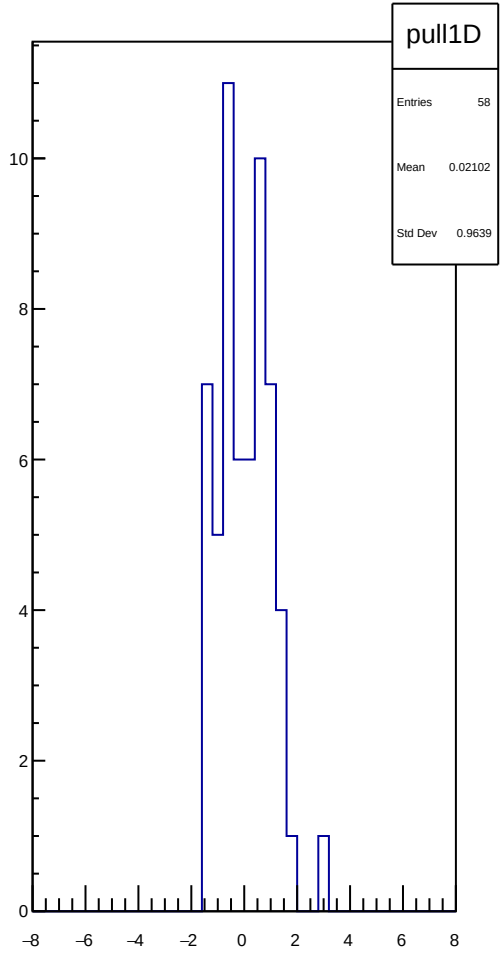

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.3 / 57
p0 22.72 ± 1.839
pull
Entries 58
Mean −14.59
Std Dev 41.75

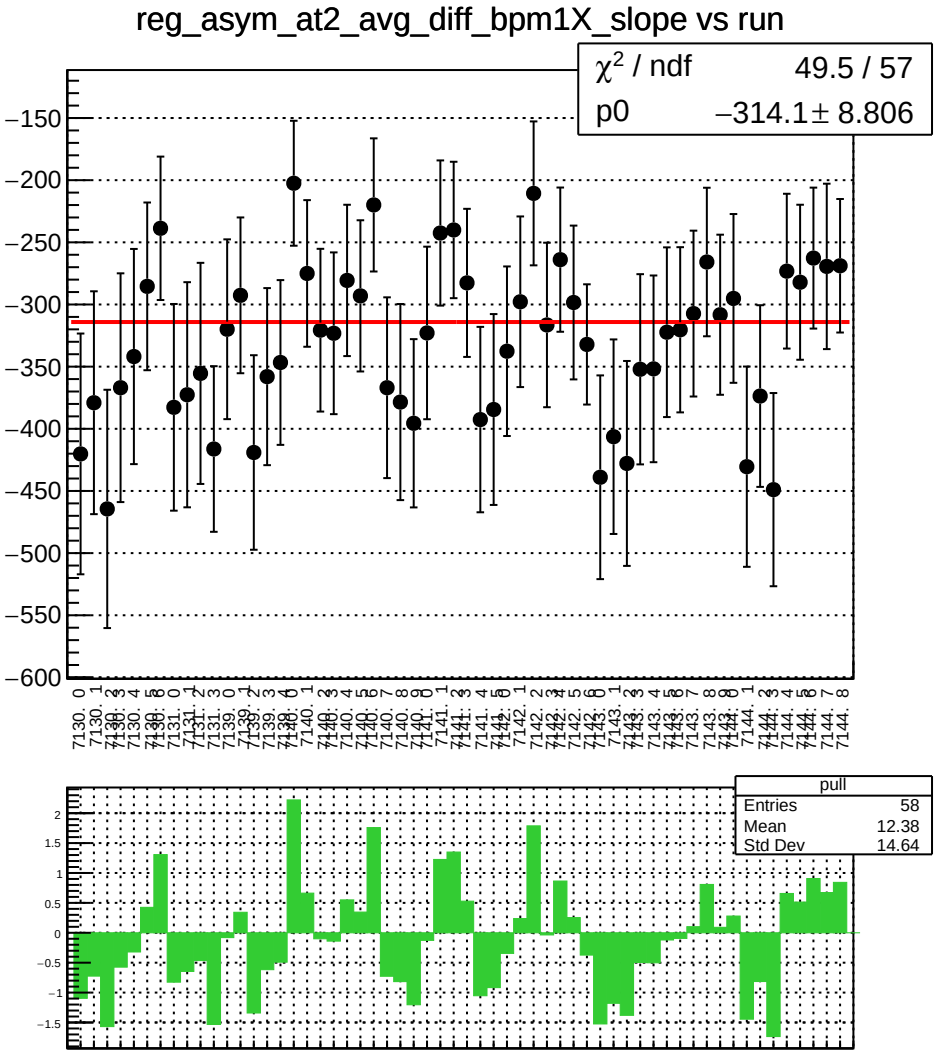

pull1D
Entries 58
Mean 0.06374
Std Dev 1.001

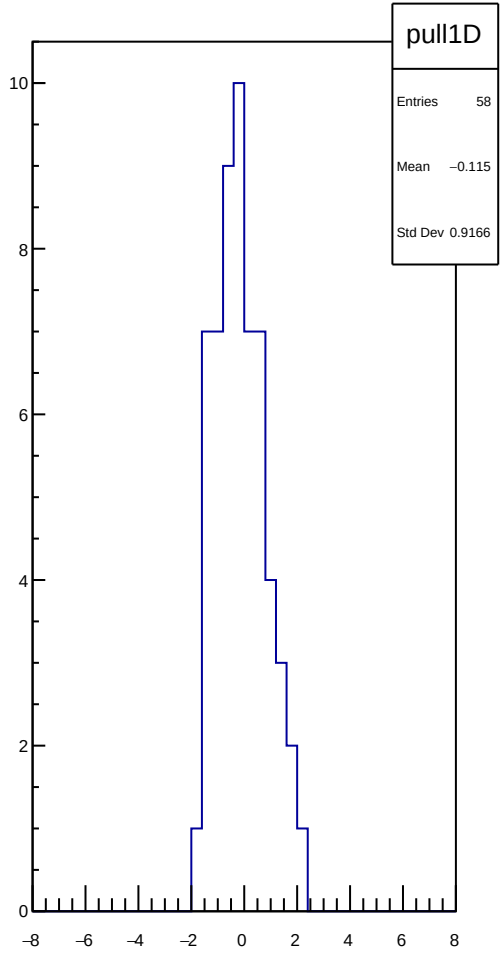

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.29 / 57
p0 2.161 ± 1.755
pull
Entries 58
Mean −257.6
Std Dev 260.6

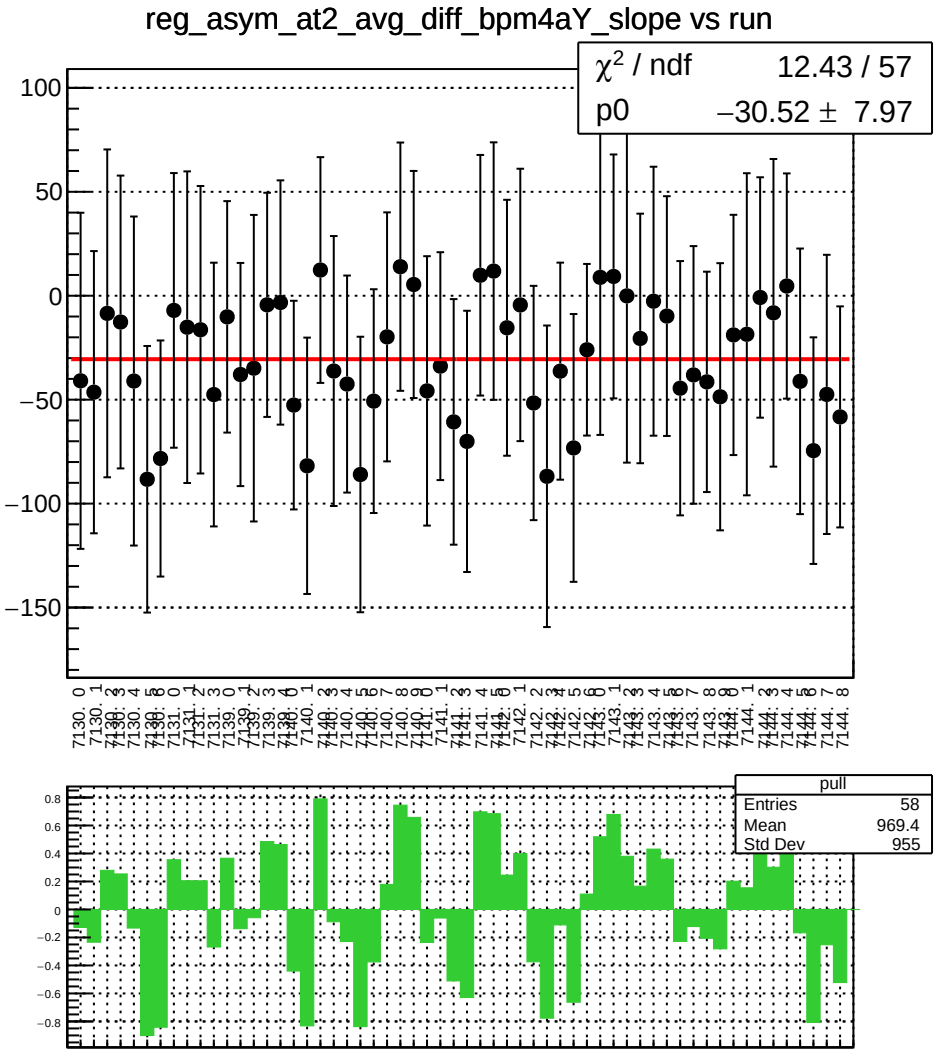

pull1D
Entries 58
Mean −0.00578
Std Dev 1.101

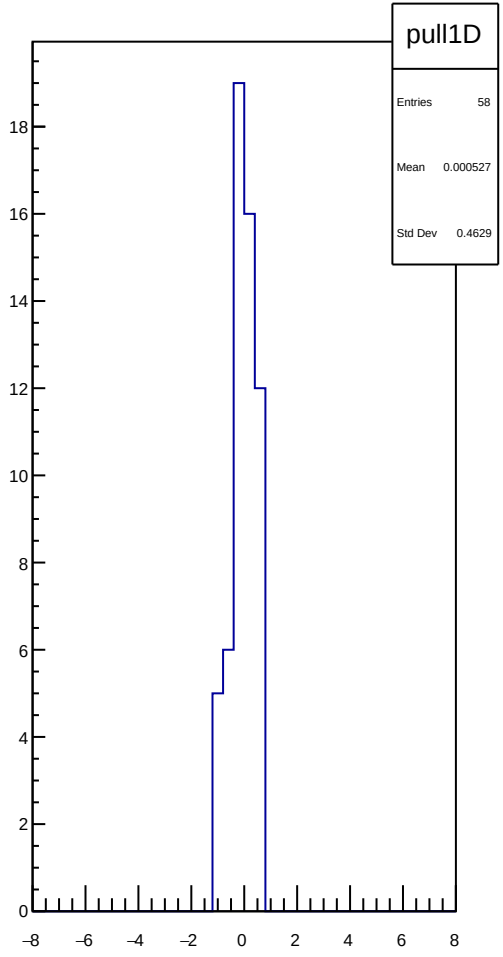

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 53.91 / 57
p0 1.661 ± 0.081
pull
Entries 58
Mean 123.8
Std Dev 105

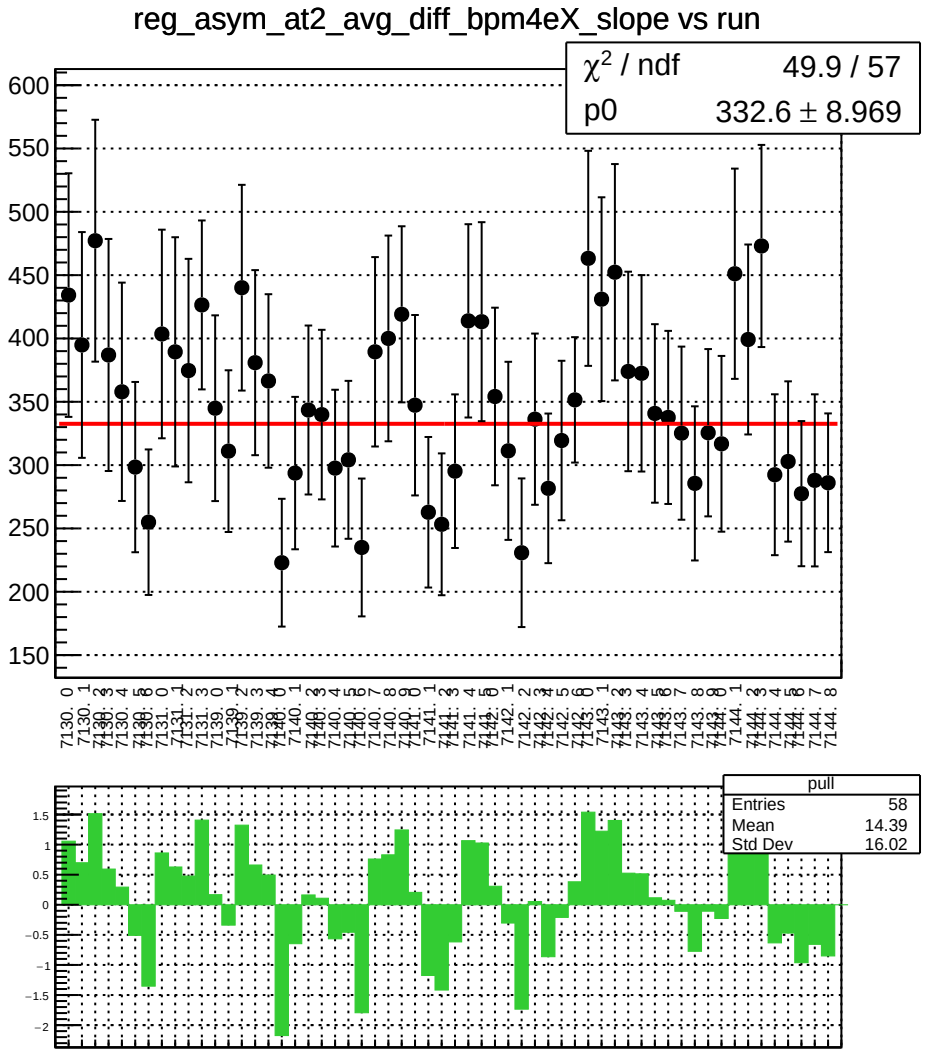

pull1D
Entries 58
Mean 0.02102
Std Dev 0.9639

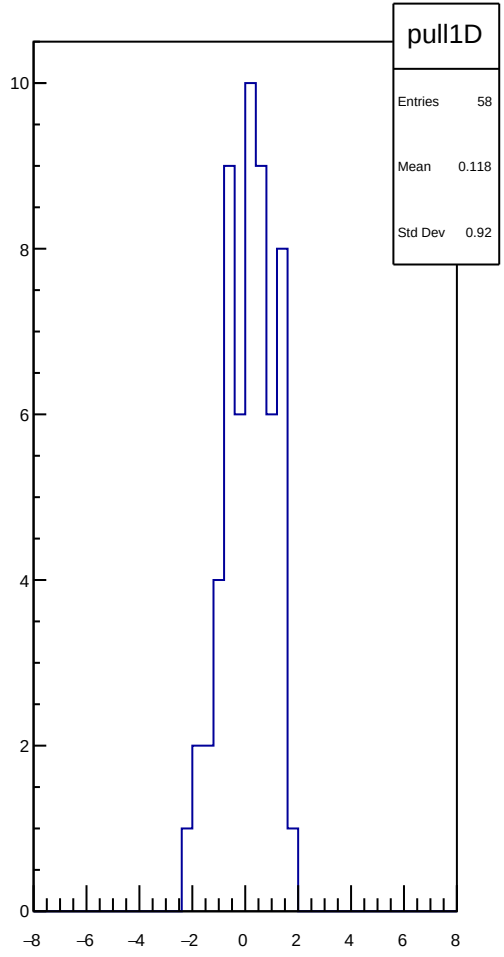

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 49.5 / 57
p0 −314.1 ± 8.806
pull
Entries 58
Mean 12.38
Std Dev 14.64

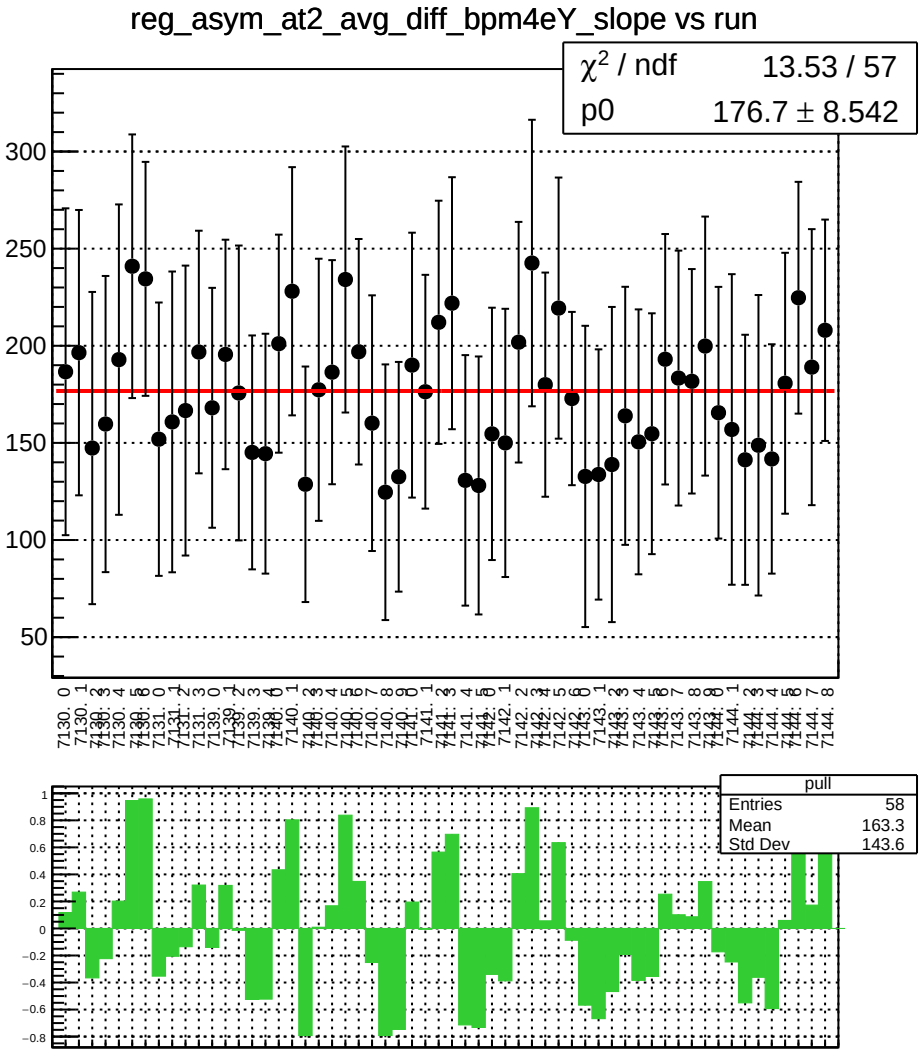

pull1D
Entries 58
Mean −0.115
Std Dev 0.9166

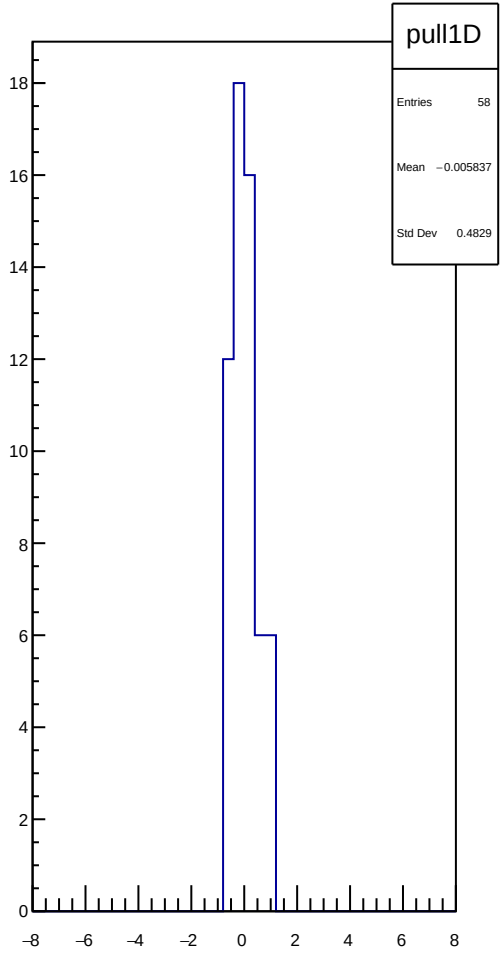

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.43 / 57
p0 −30.52 ± 7.97
pull
Entries 58
Mean 969.4
Std Dev 955

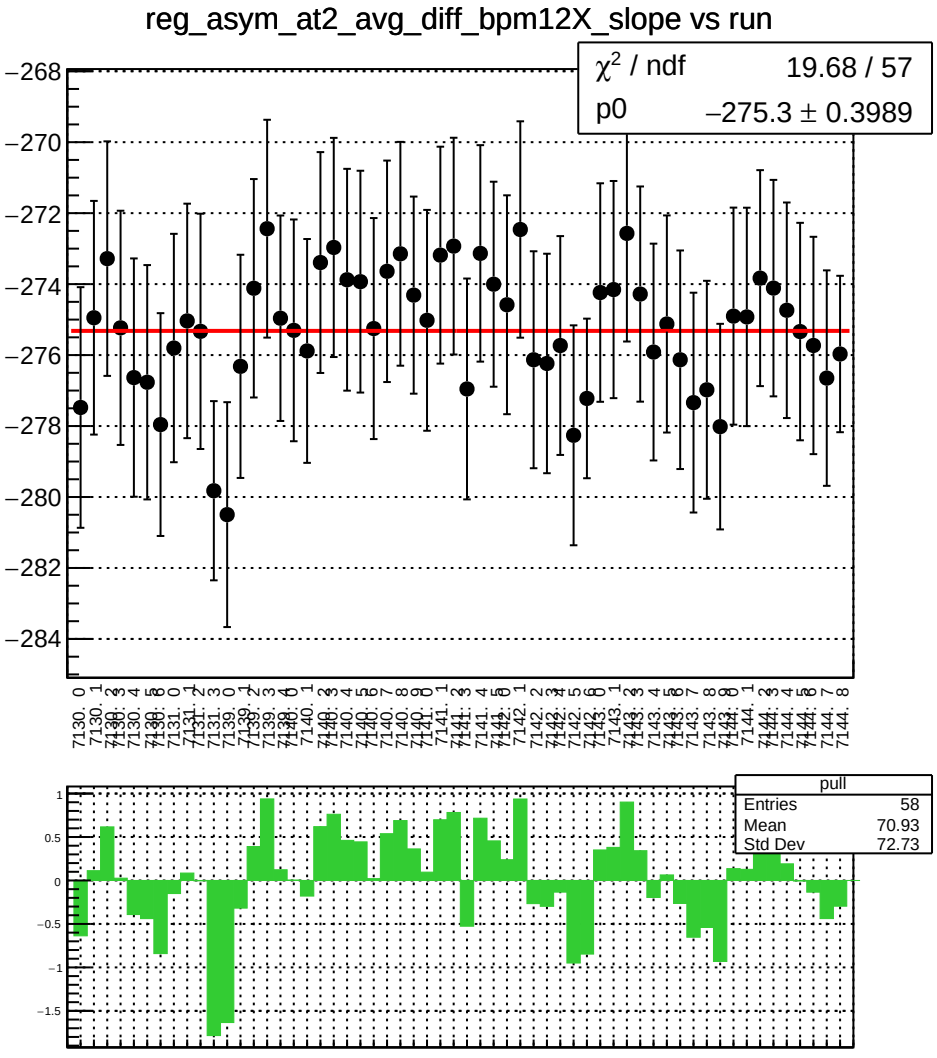

pull1D
Entries 58
Mean 0.000527
Std Dev 0.4629

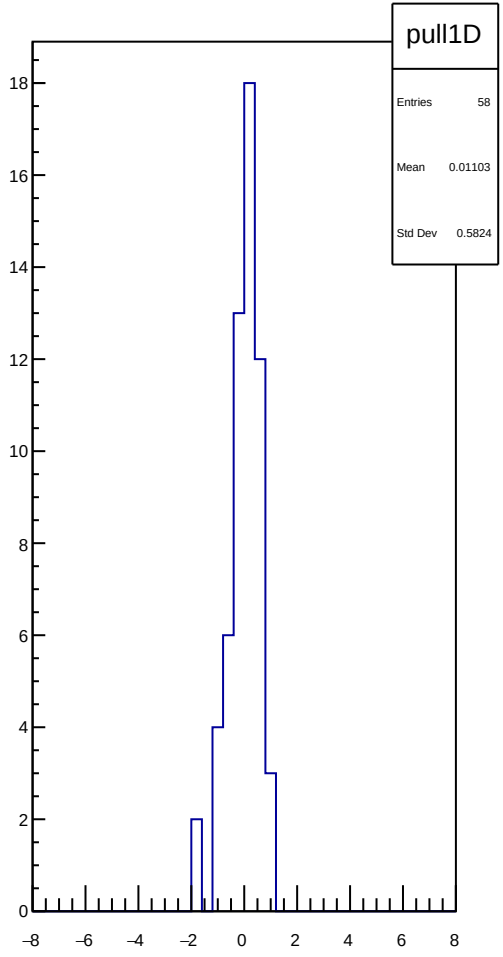

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.9 / 57
p0 332.6 ± 8.969
pull
Entries 58
Mean 14.39
Std Dev 16.02

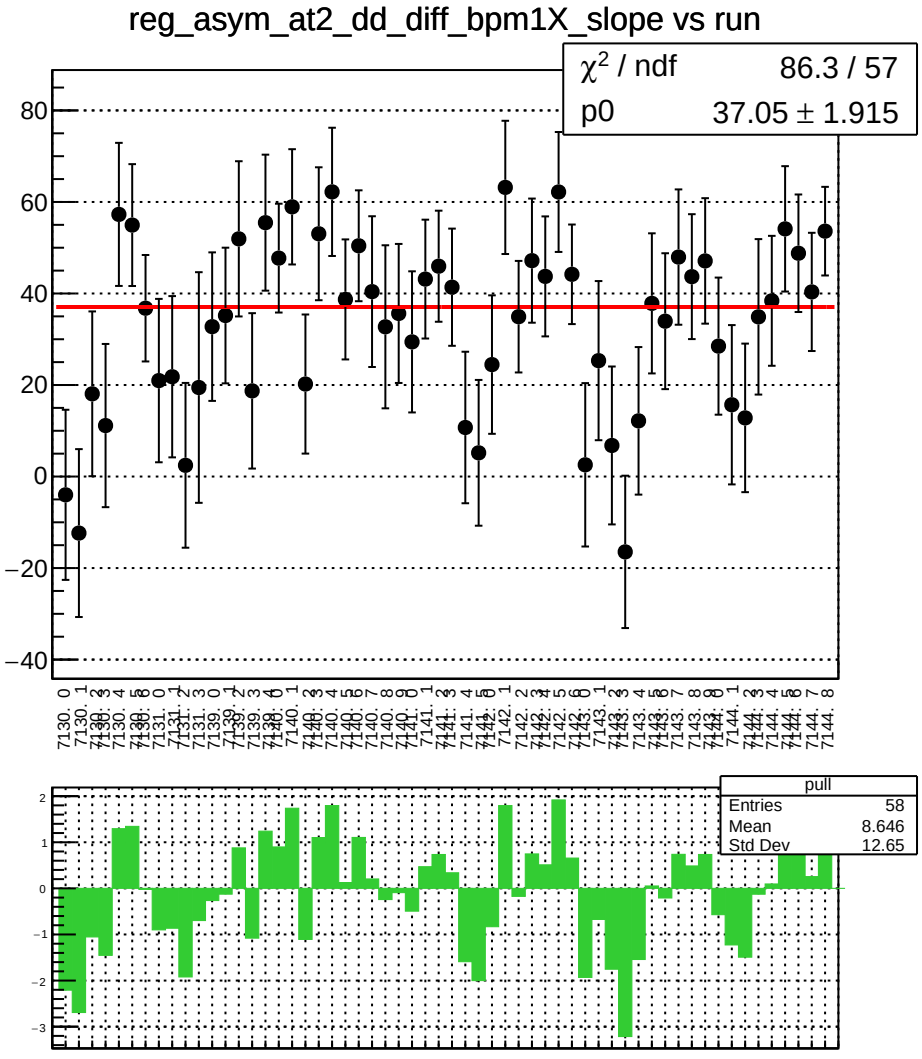

pull1D
Entries 58
Mean 0.118
Std Dev 0.92

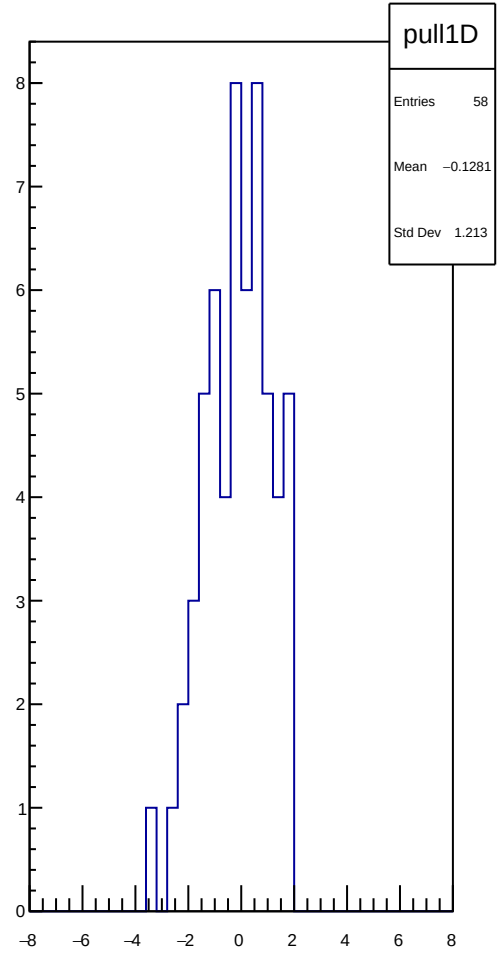

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.53 / 57
p0 176.7 ± 8.542
pull
Entries 58
Mean 163.3
Std Dev 143.6

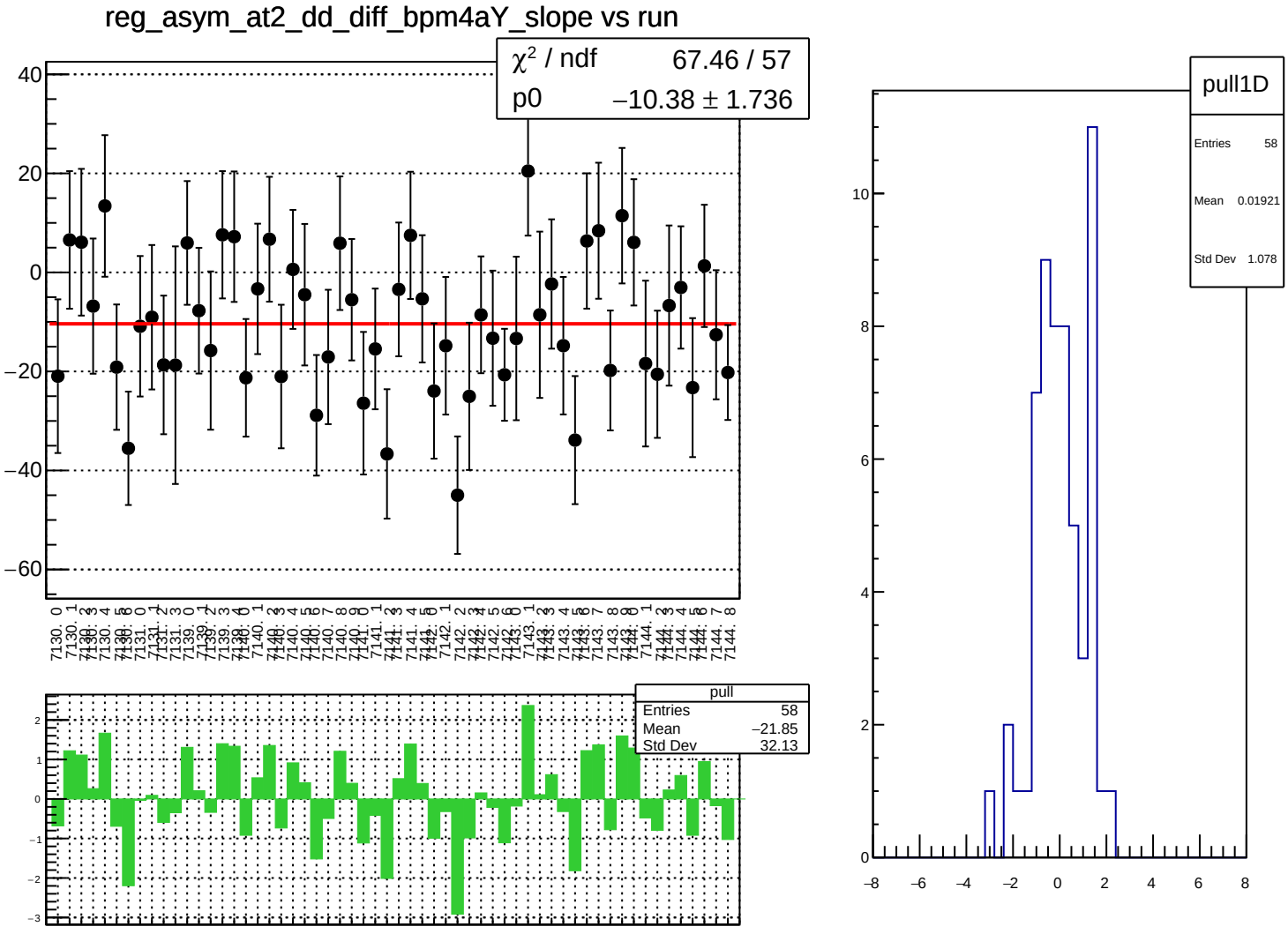

pull1D
Entries 58
Mean −0.005837
Std Dev 0.4829

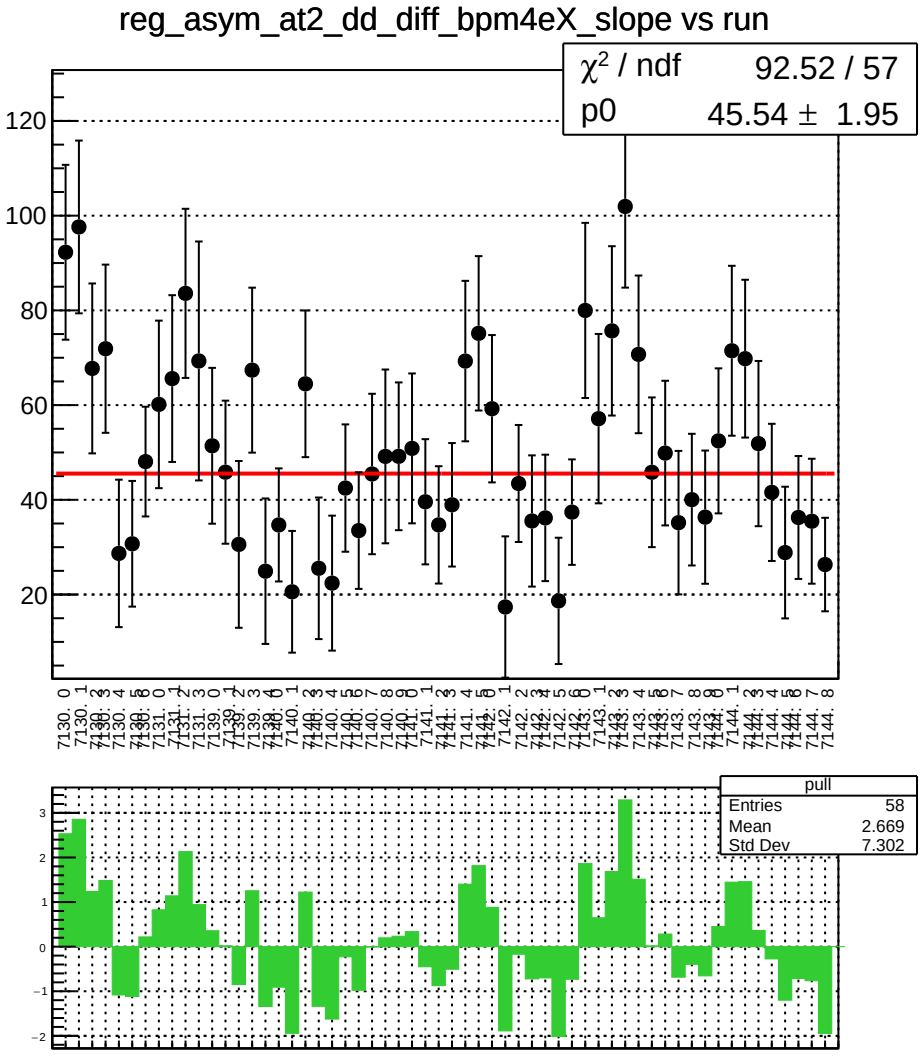

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 19.68 / 57
p0 −275.3 ± 0.3989
pull
Entries 58
Mean 70.93
Std Dev 72.73

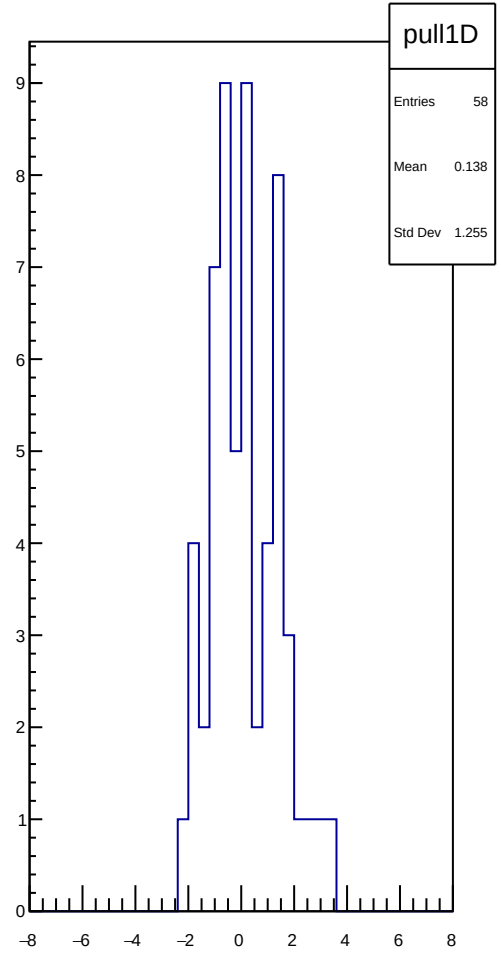

pull1D
Entries 58
Mean 0.01103
Std Dev 0.5824

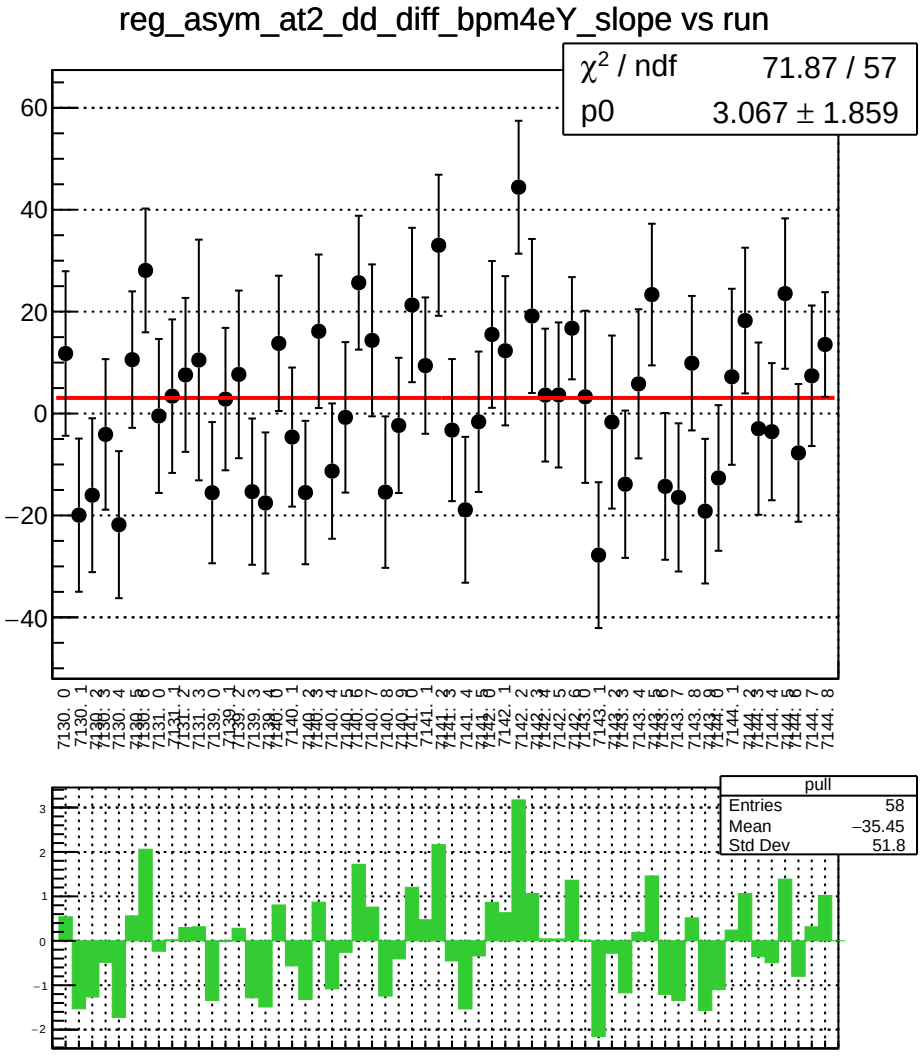

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 86.3 / 57
p0 37.05 ± 1.915
pull
Entries 58
Mean 8.646
Std Dev 12.65

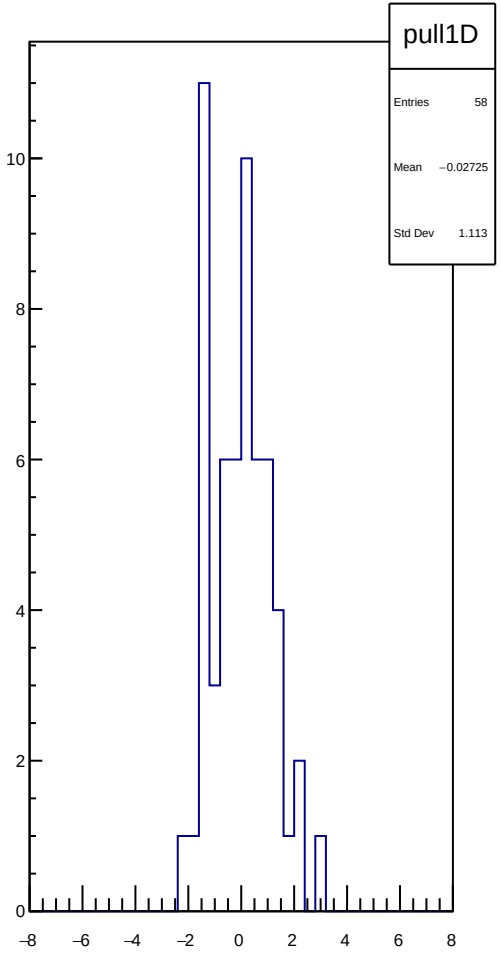

pull1D
Entries 58
Mean −0.1281
Std Dev 1.213

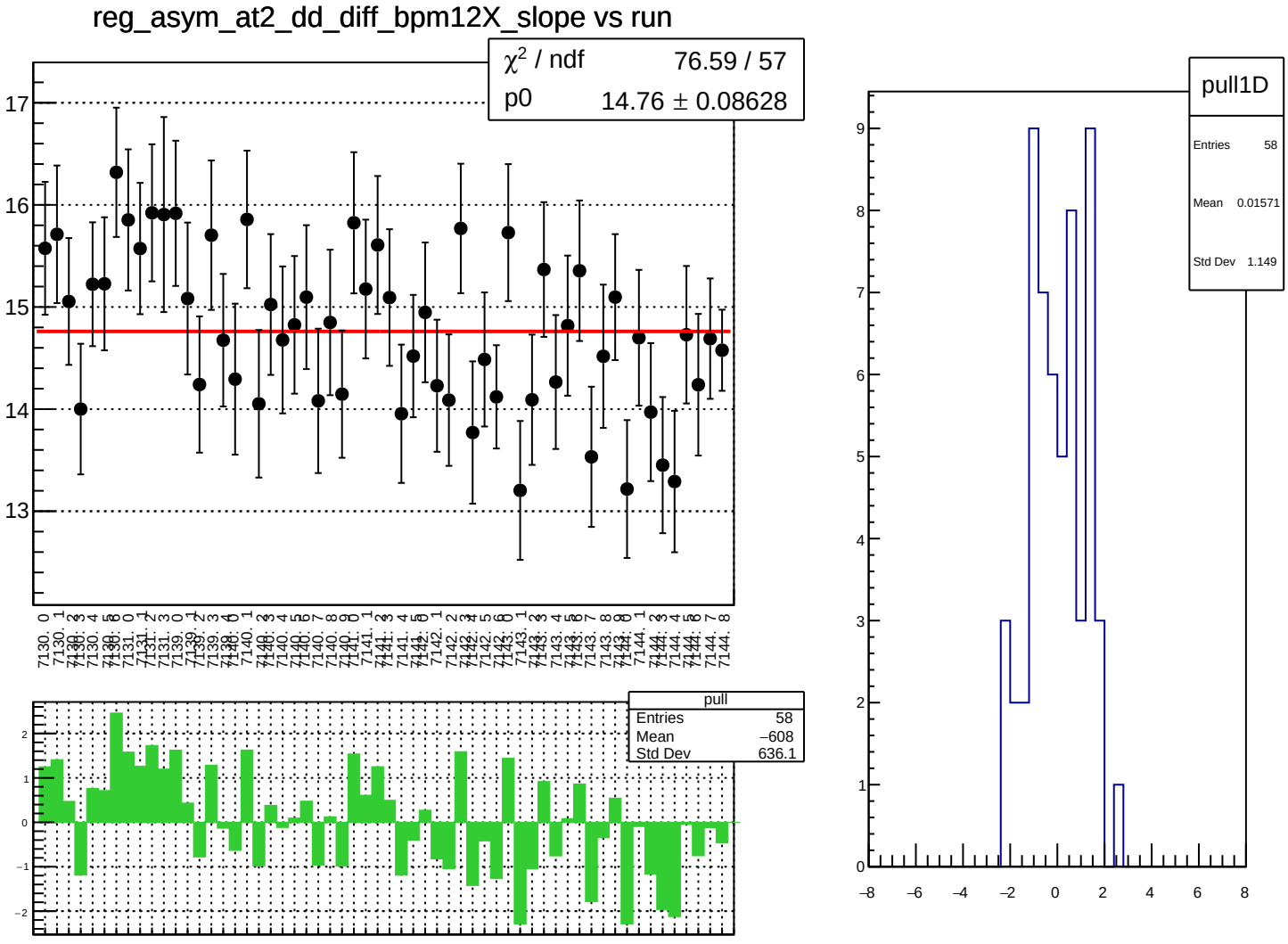

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.46 / 57
p0 −10.38 ± 1.736
pull
Entries 58
Mean −21.85
Std Dev 32.13
pull1D
Entries 58
Mean 0.01921
Std Dev 1.078

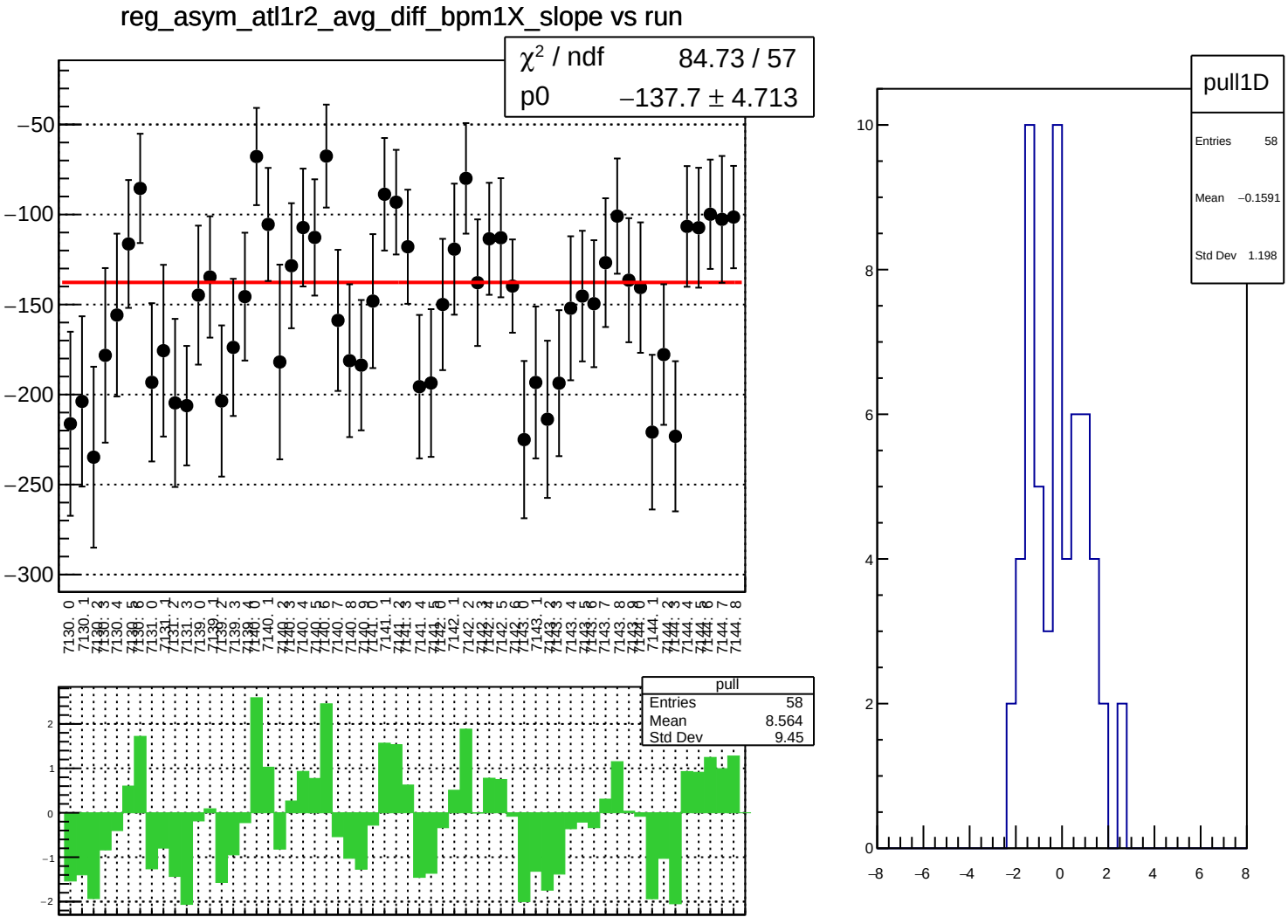

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.52 / 57
p0 45.54 ± 1.95
pull
Entries 58
Mean 2.669
Std Dev 7.302

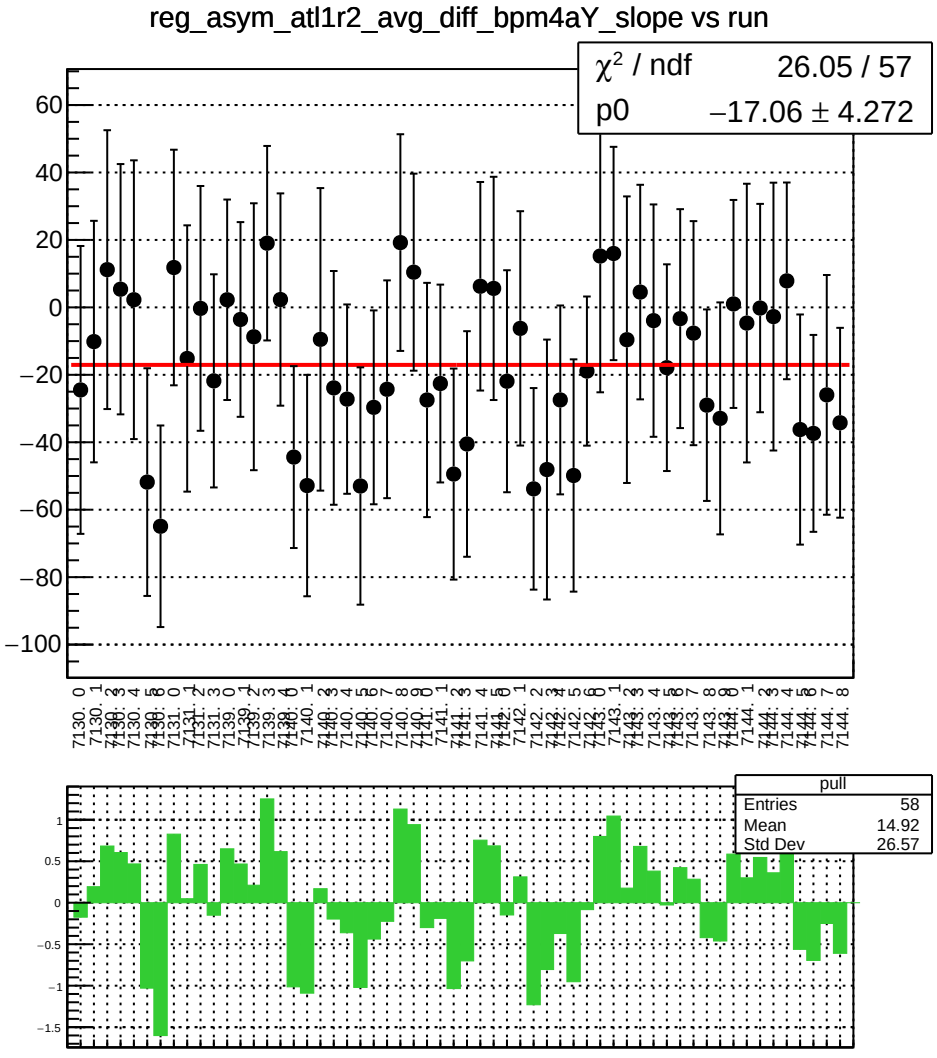

pull1D
Entries 58
Mean 0.138
Std Dev 1.255

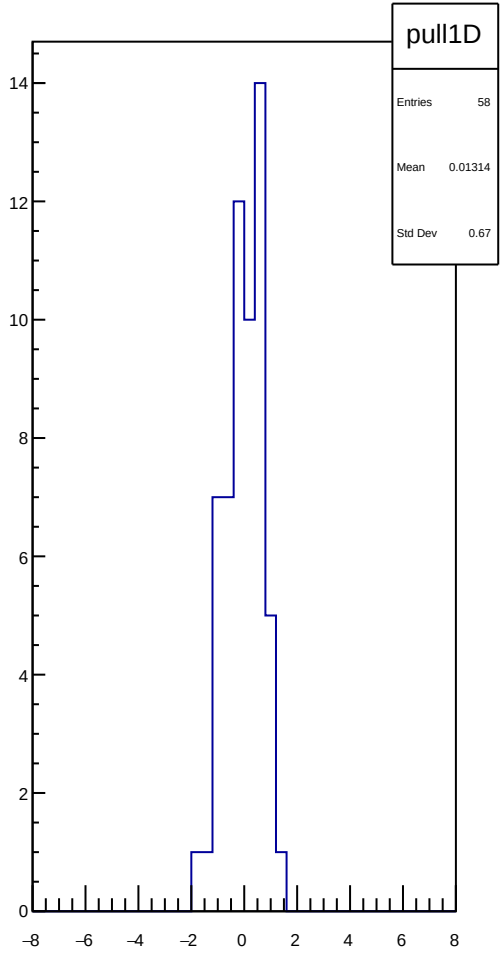

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 71.87 / 57
p0 3.067 ± 1.859
pull
Entries 58
Mean −35.45
Std Dev 51.8

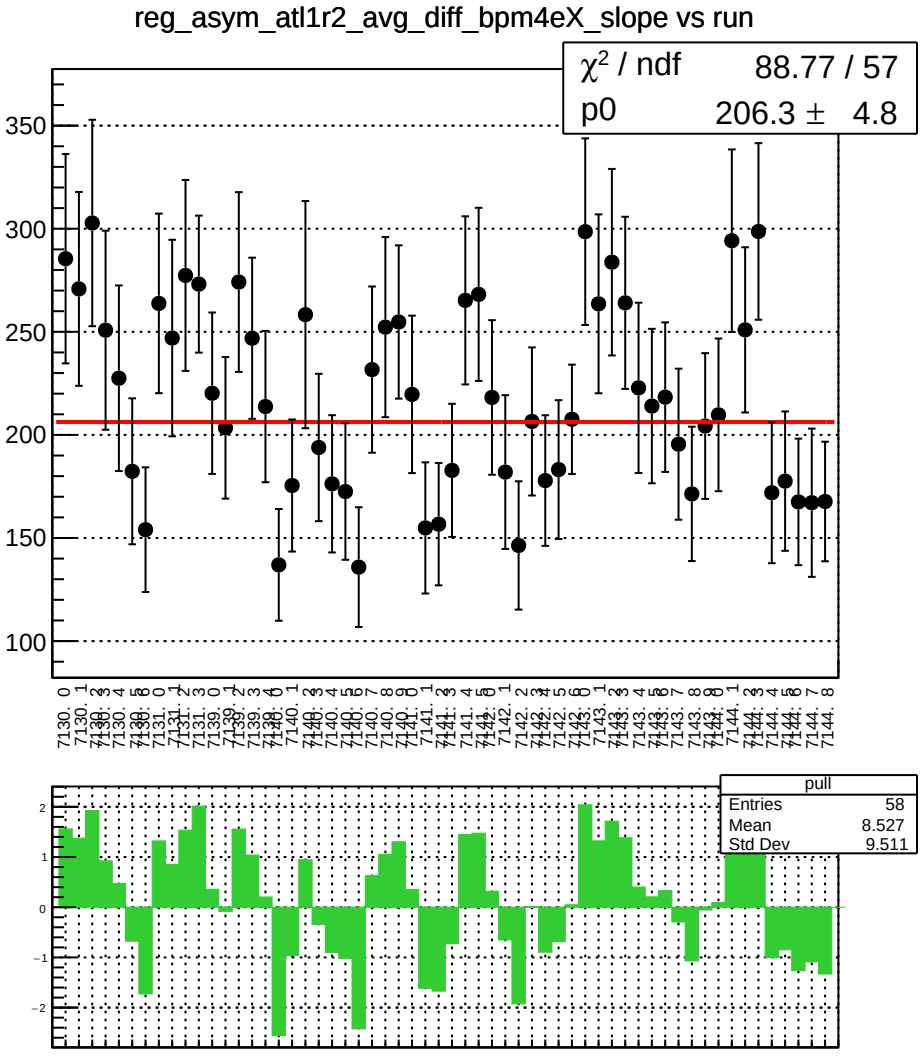

pull1D
Entries 58
Mean −0.02725
Std Dev 1.113

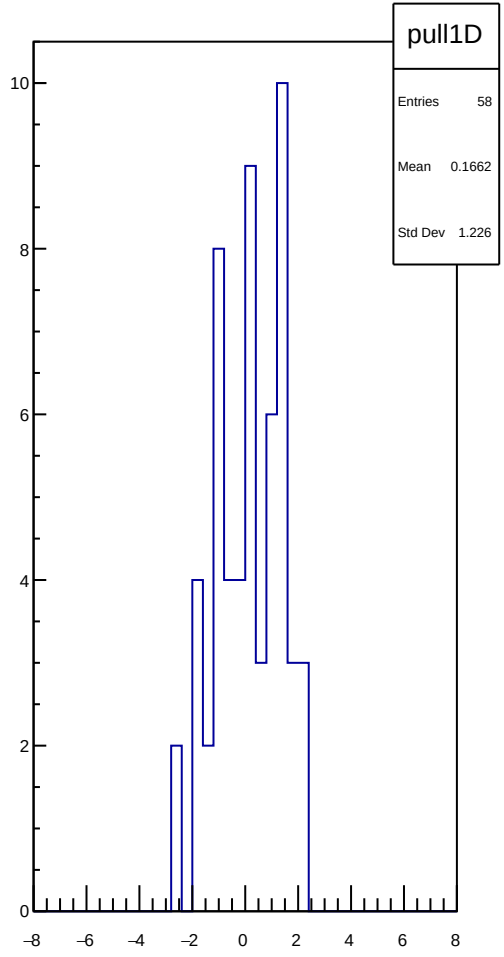

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 76.59 / 57
p0 14.76 ± 0.08628
pull
Entries 58
Mean −608
Std Dev 636.1
pull1D
Entries 58
Mean 0.01571
Std Dev 1.149

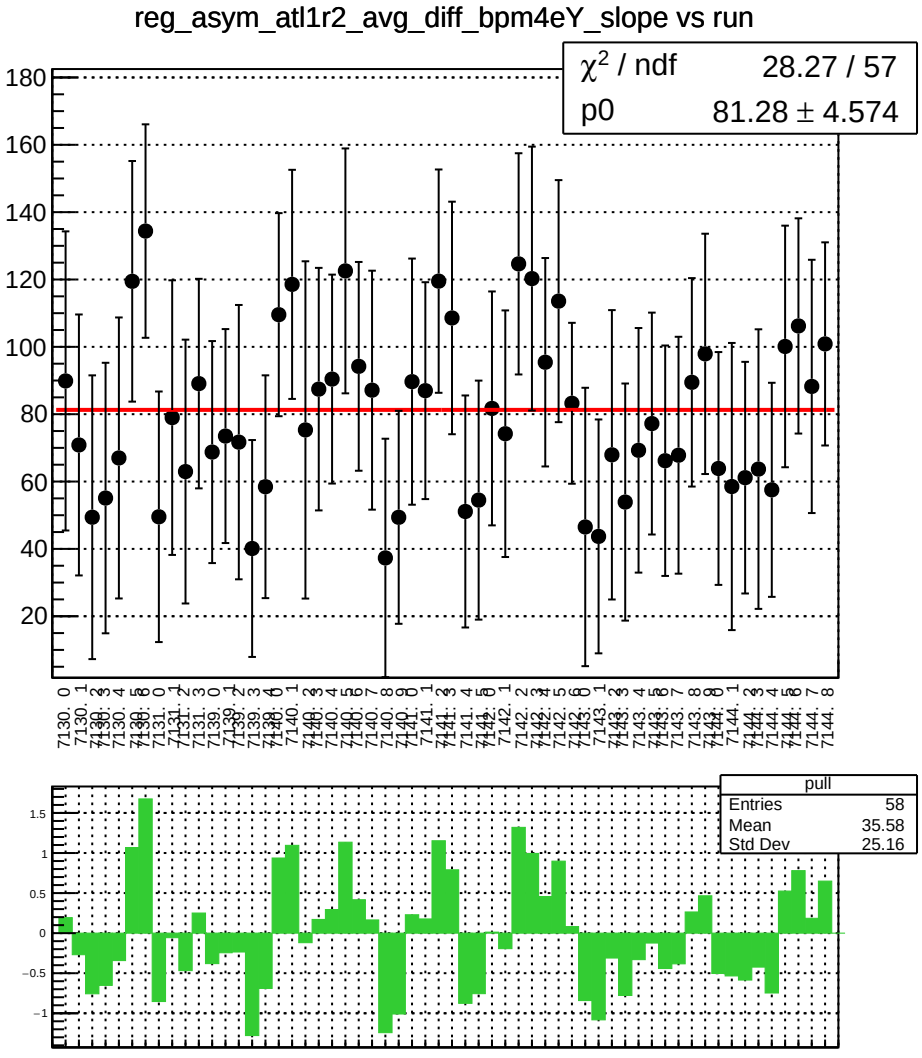

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 84.73 / 57
p0 −137.7 ± 4.713
pull
Entries 58
Mean 8.564
Std Dev 9.45
pull1D
Entries 58
Mean −0.1591
Std Dev 1.198

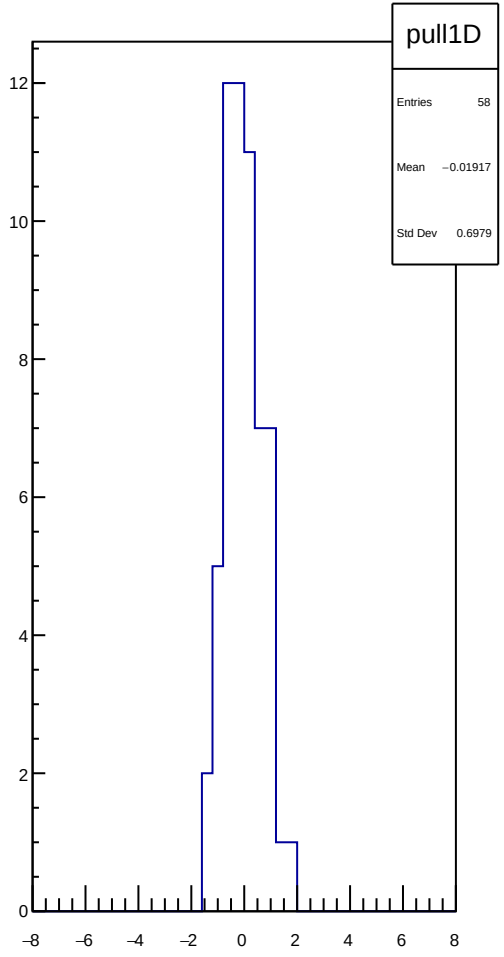

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.05 / 57
p0 −17.06 ± 4.272
pull
Entries 58
Mean 14.92
Std Dev 26.57

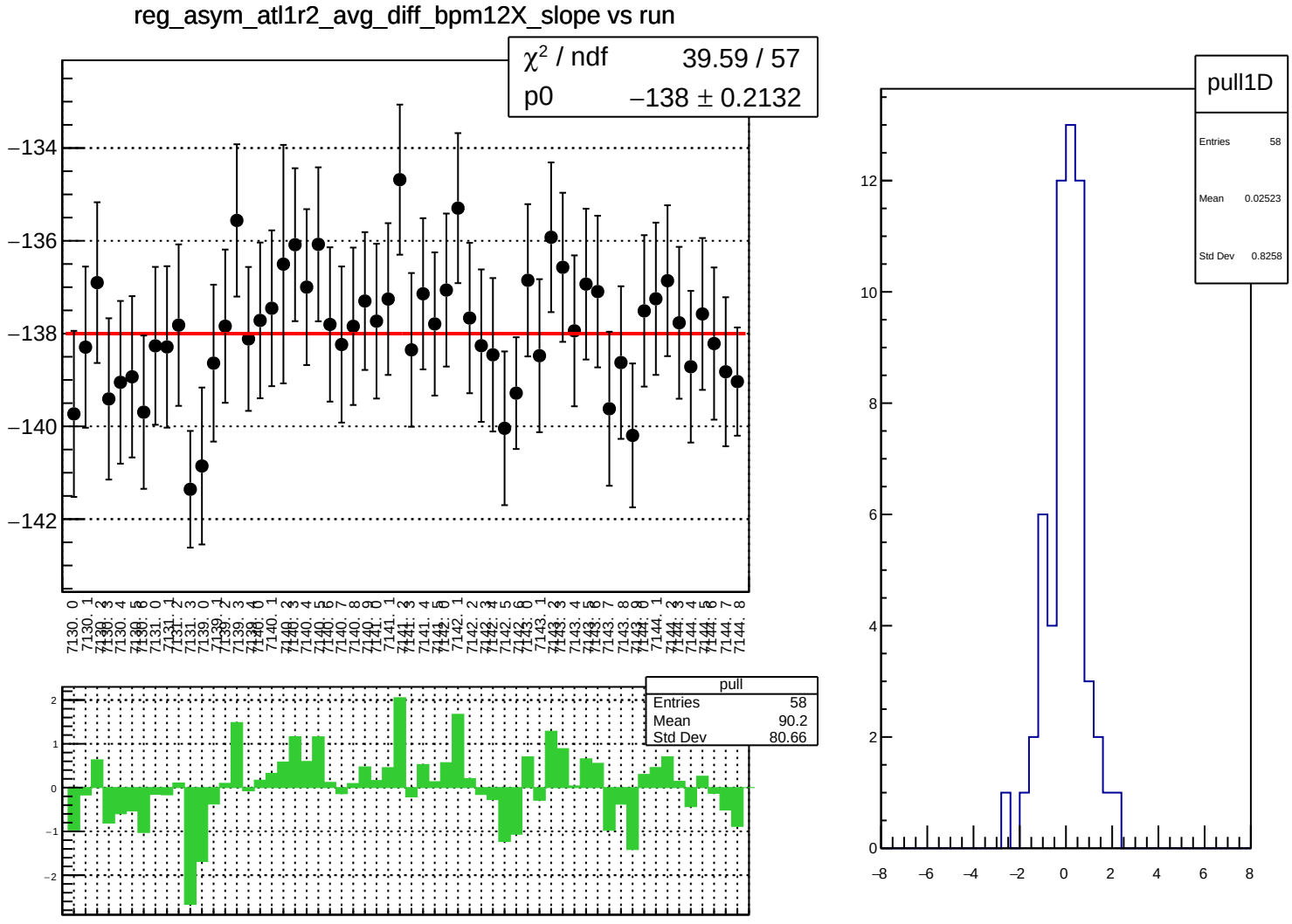

pull1D
Entries 58
Mean 0.01314
Std Dev 0.67

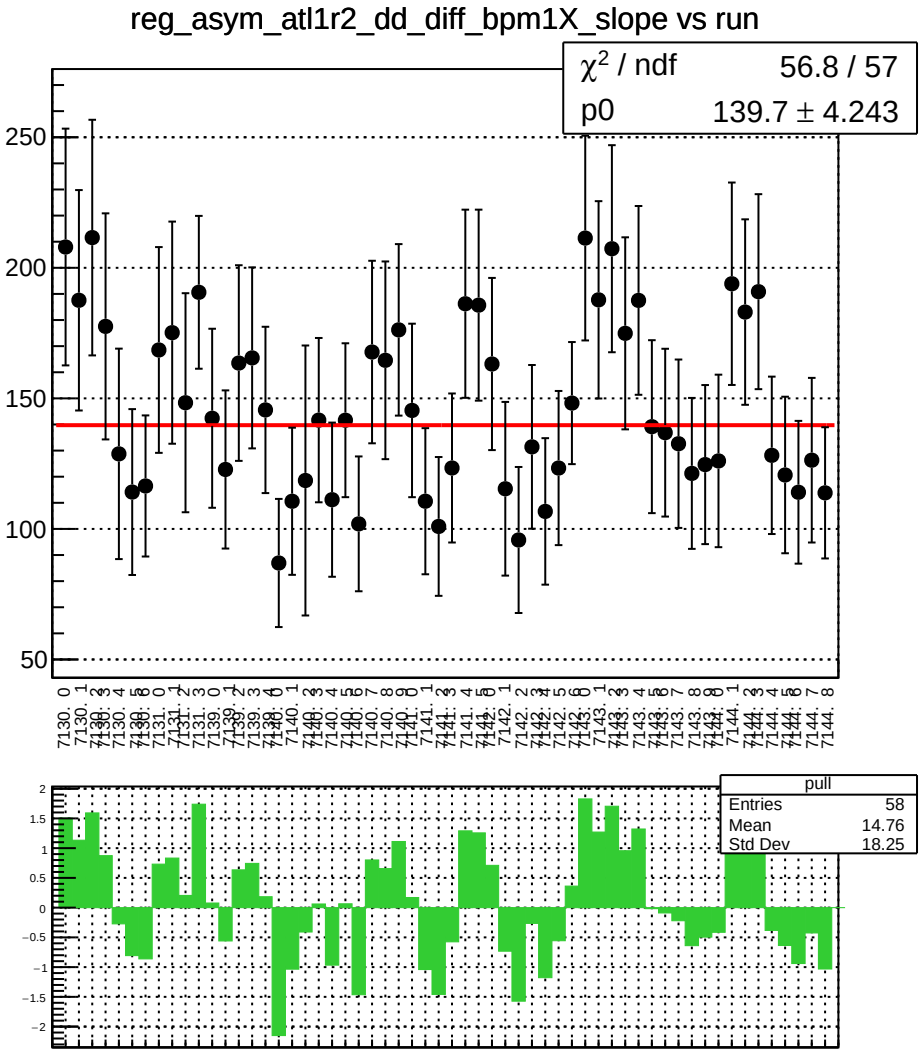

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.77 / 57
p0 206.3 ± 4.8
pull
Entries 58
Mean 8.527
Std Dev 9.511

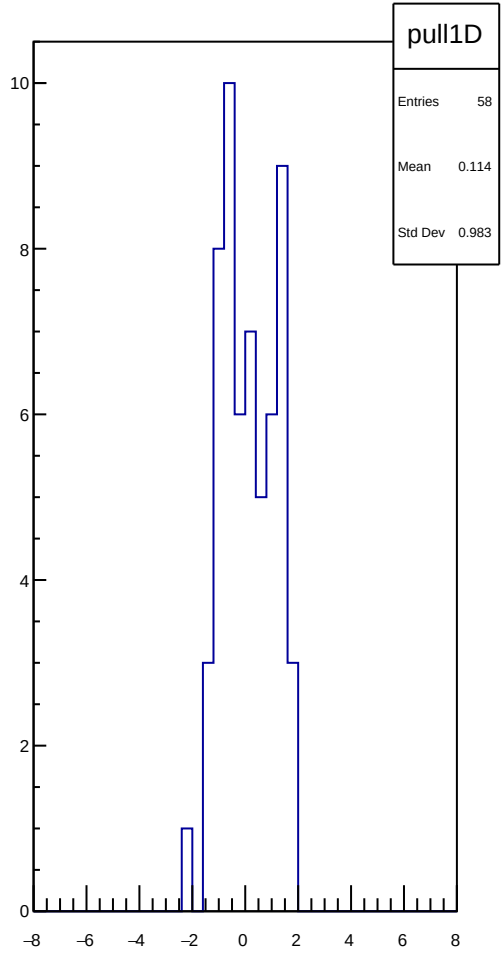

pull1D
Entries 58
Mean 0.1662
Std Dev 1.226

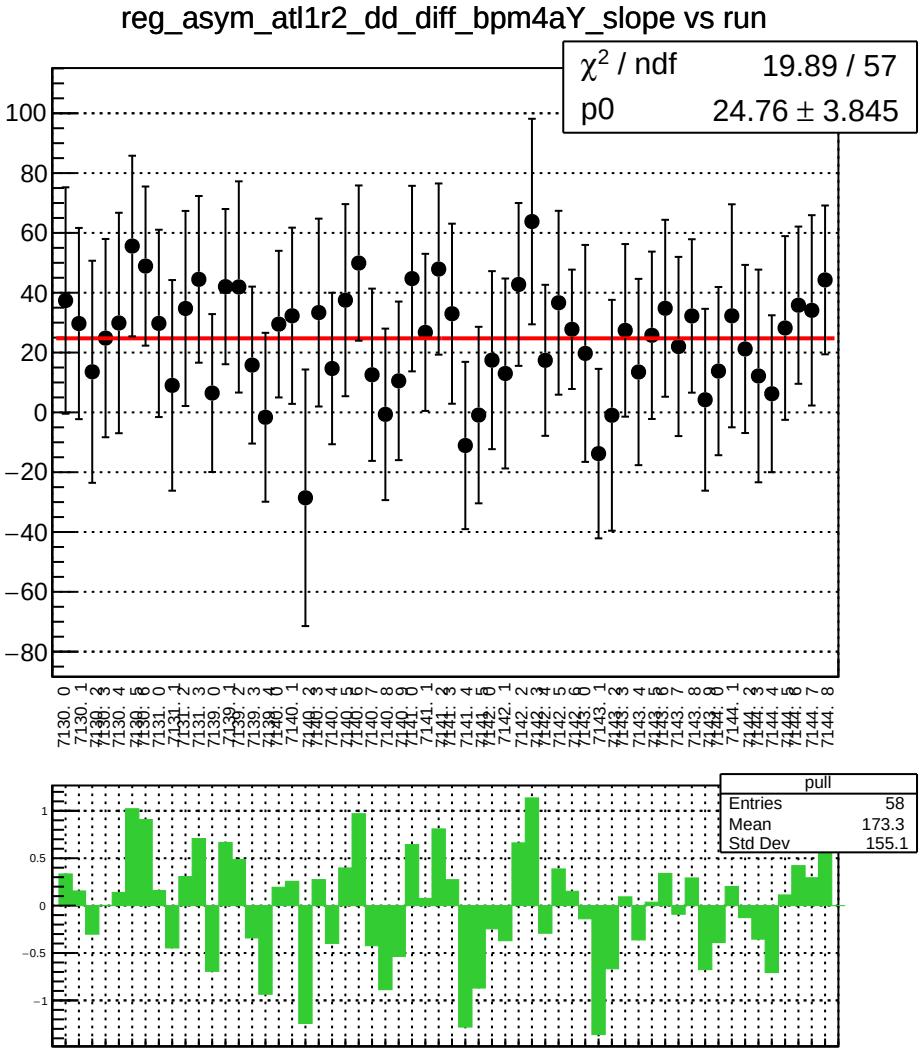

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.27 / 57
p0 81.28 ± 4.574
pull
Entries 58
Mean 35.58
Std Dev 25.16

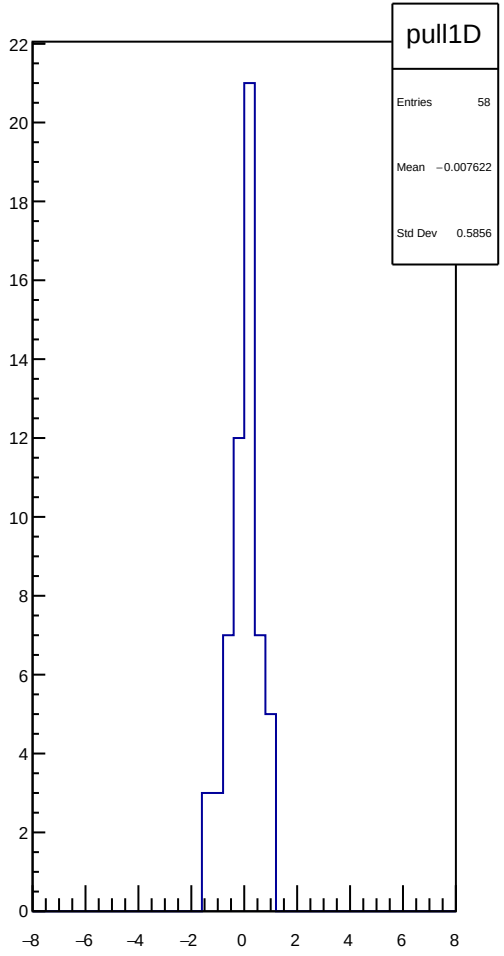

pull1D
Entries 58
Mean −0.01917
Std Dev 0.6979

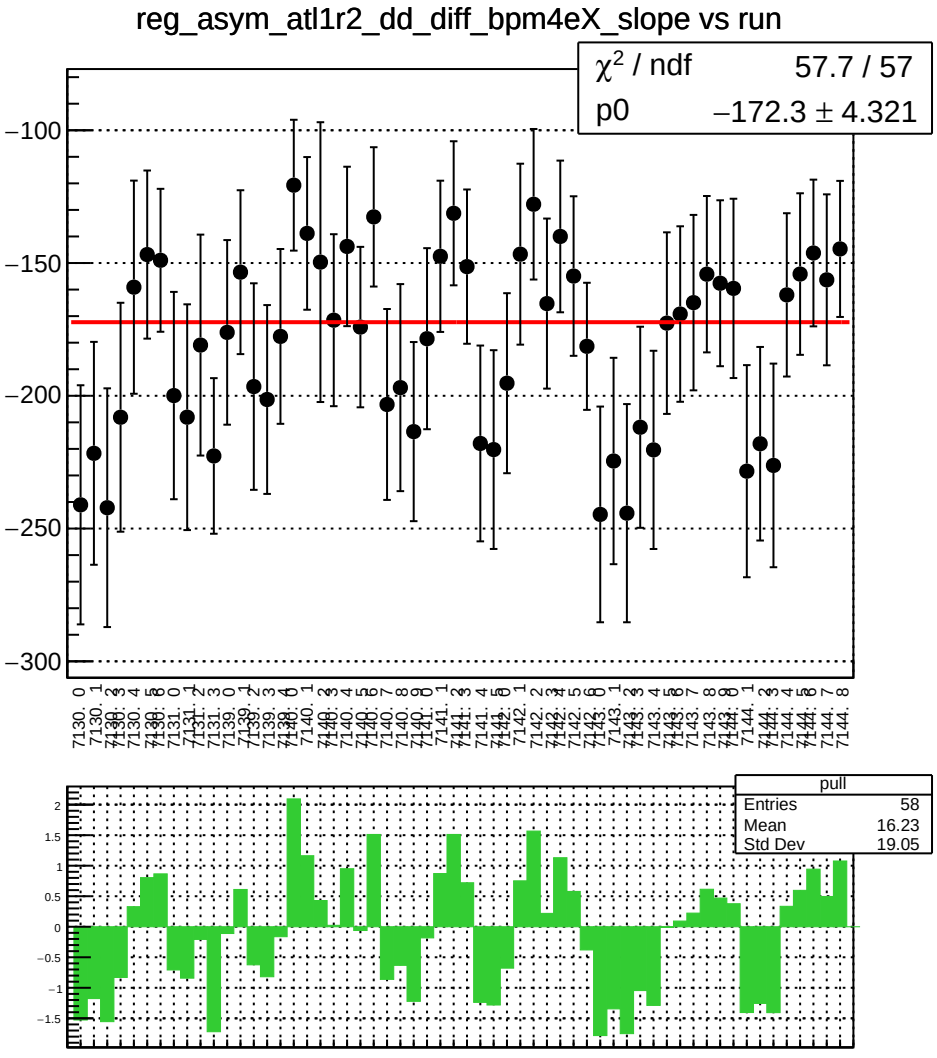

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 39.59 / 57
p0 −138 ± 0.2132
−134
−136
−138
−140
−142
pull
Entries 58
Mean 90.2
Std Dev 80.66
pull1D
Entries 58
Mean 0.02523
Std Dev 0.8258

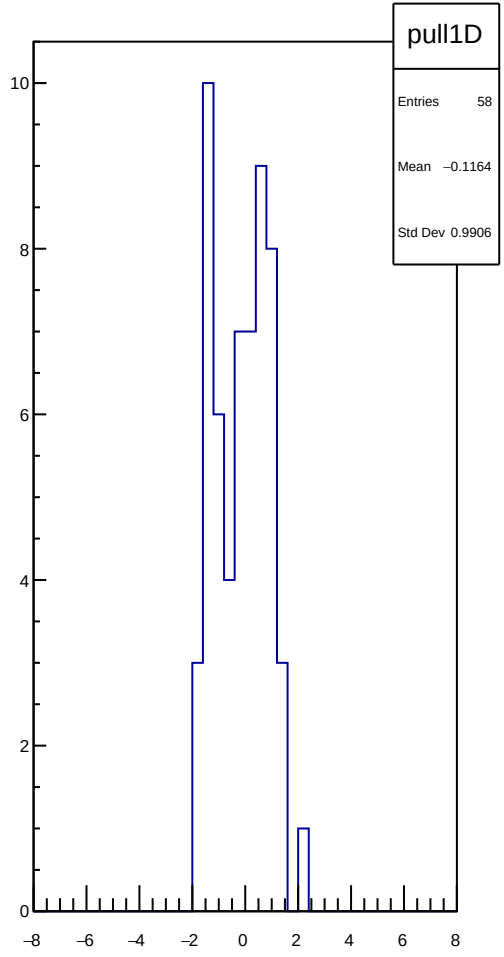

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ2 / ndf 56.8 / 57
p0 139.7 ± 4.243
pull
Entries 58
Mean 14.76
Std Dev 18.25

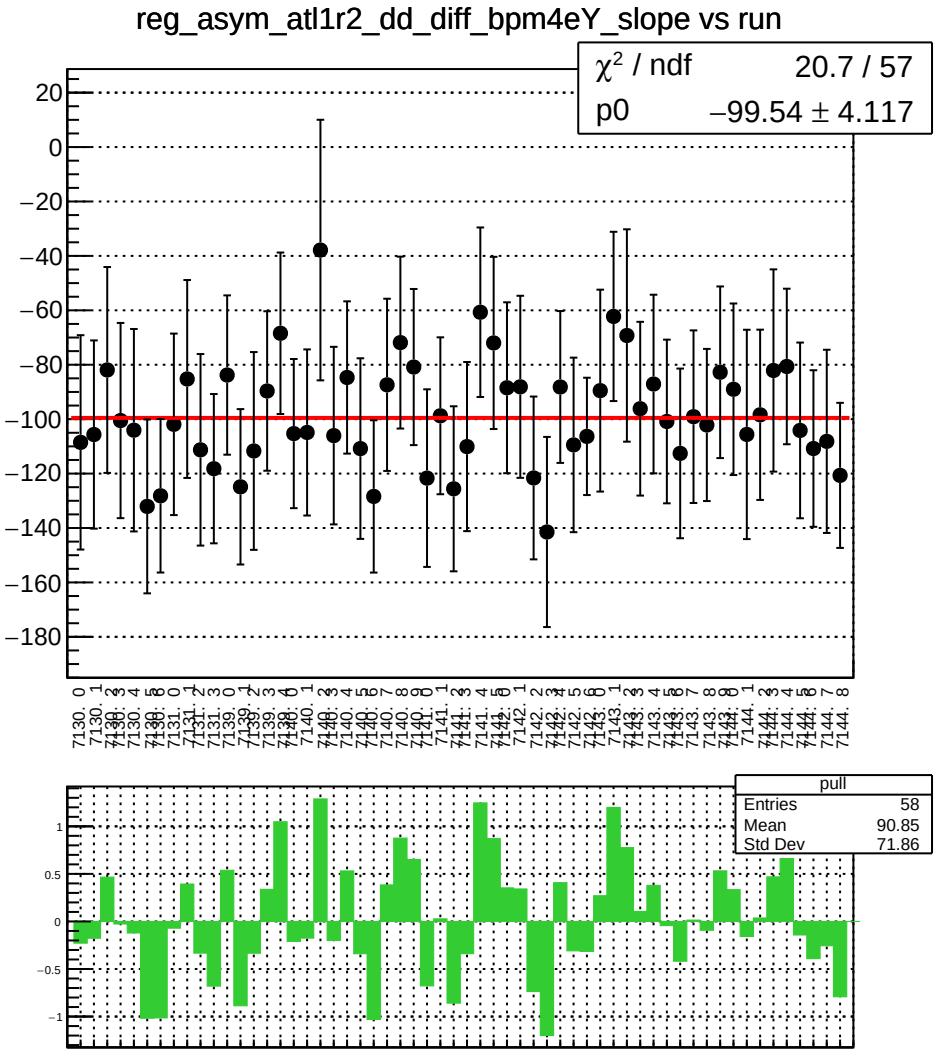

pull1D
Entries 58
Mean 0.114
Std Dev 0.983

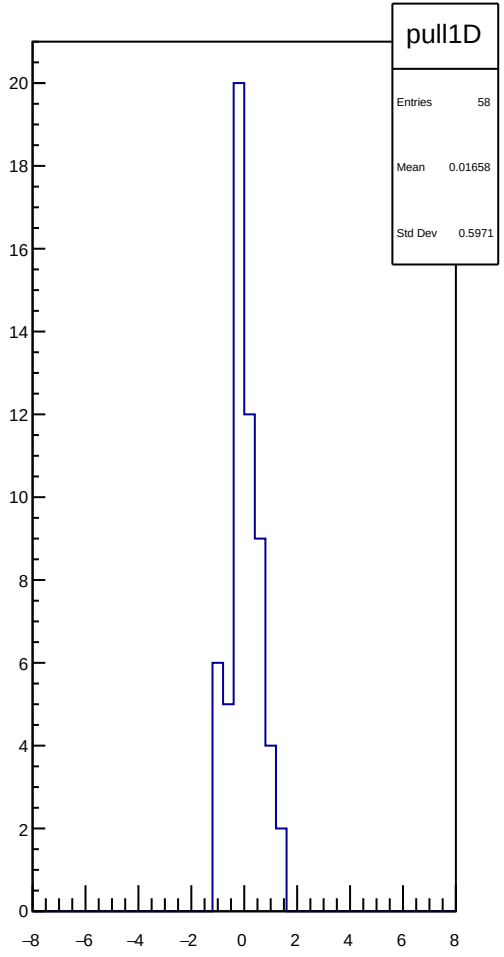

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.89 / 57
p0 24.76 ± 3.845
pull
Entries 58
Mean 173.3
Std Dev 155.1

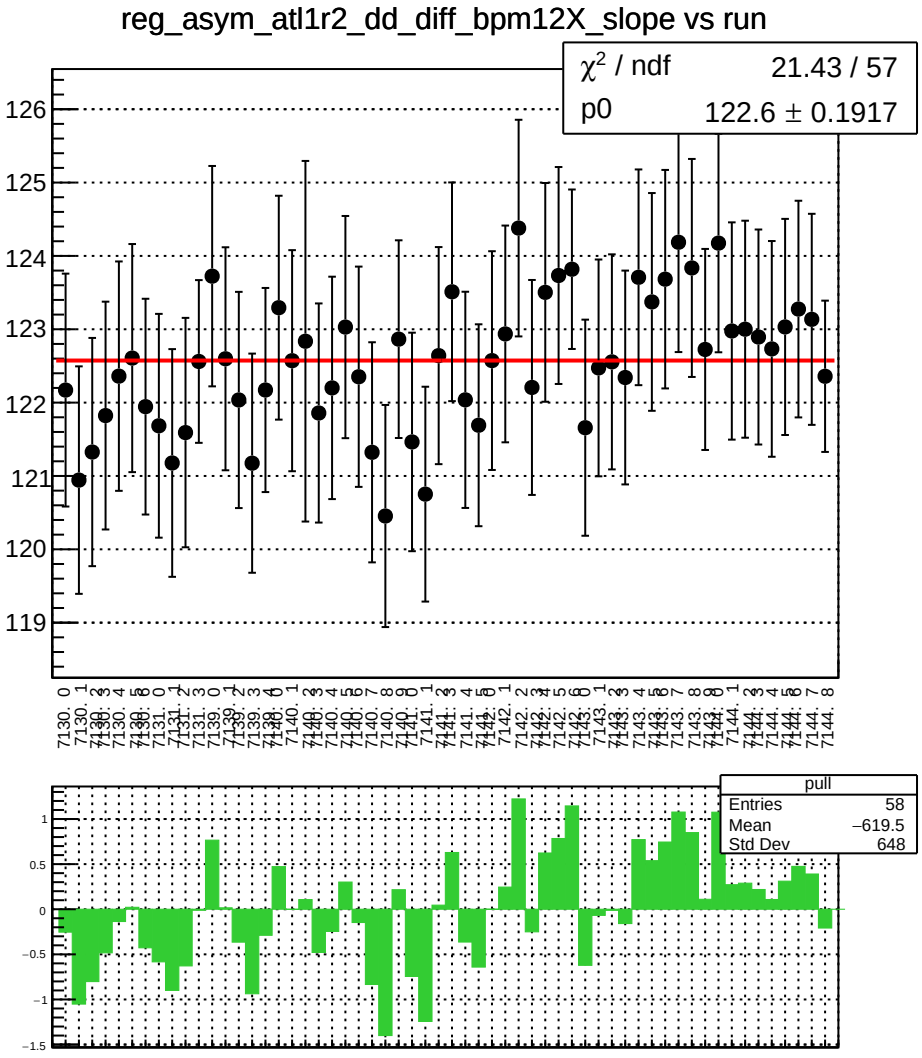

pull1D
Entries 58
Mean −0.007622
Std Dev 0.5856

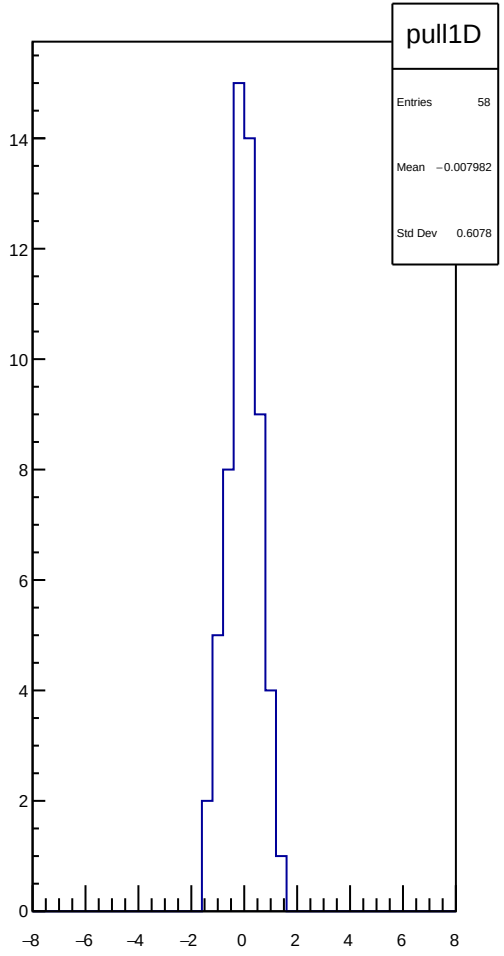

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.7 / 57
p0 −172.3 ± 4.321
pull
Entries 58
Mean 16.23
Std Dev 19.05

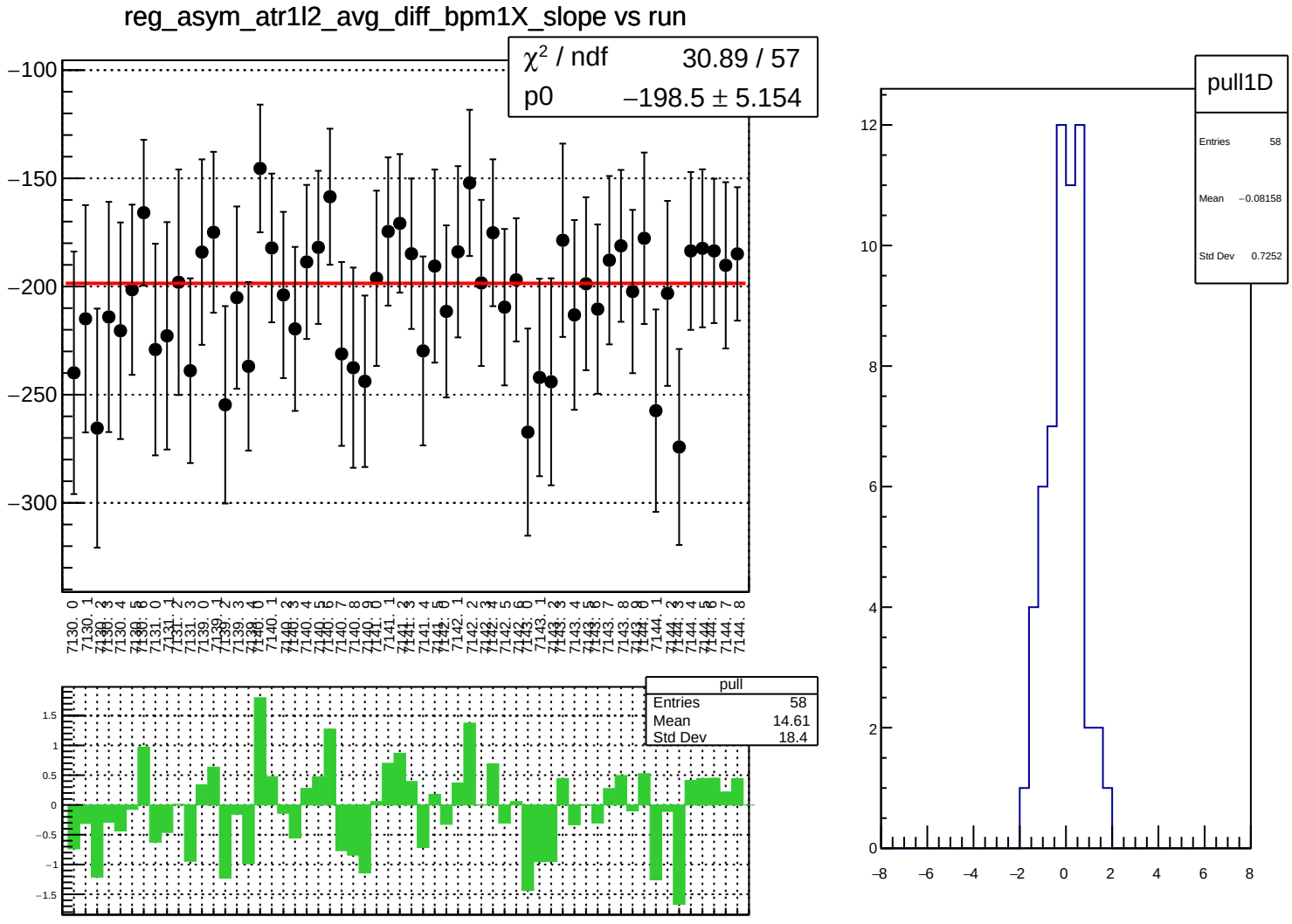

pull1D
Entries 58
Mean −0.1164
Std Dev 0.9906

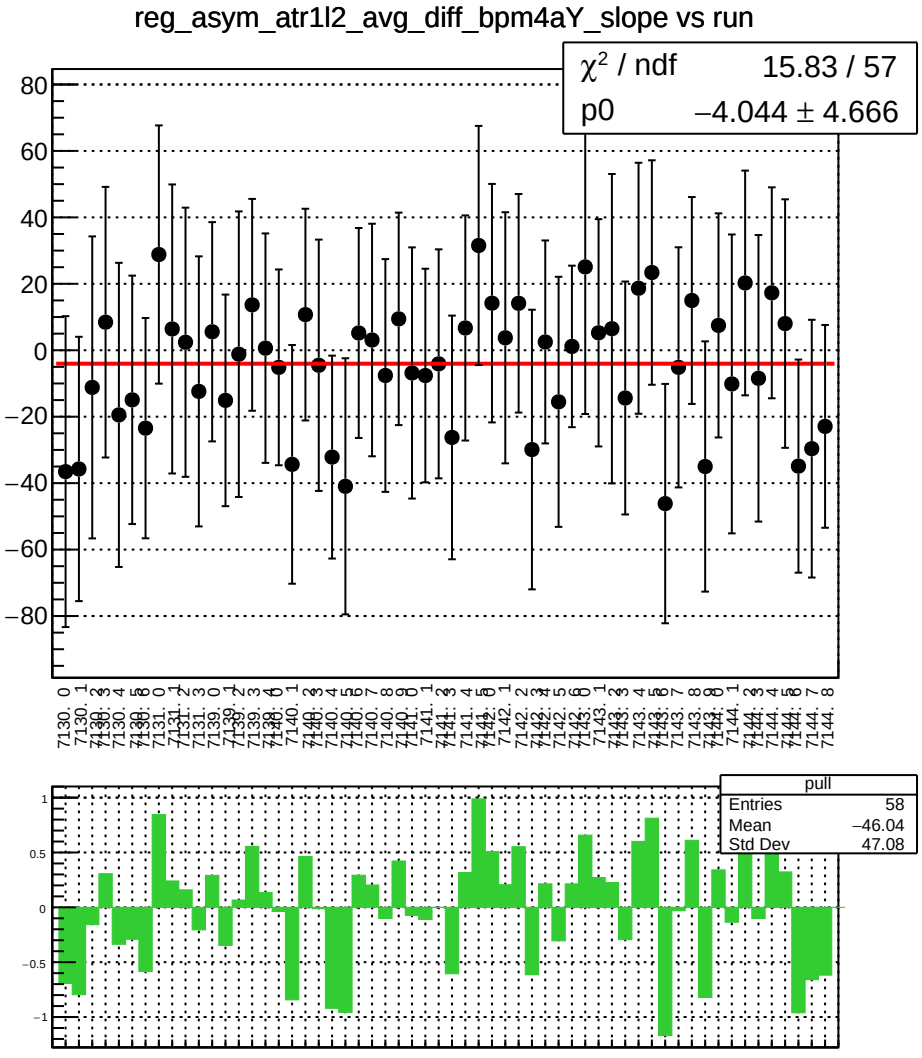

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.7 / 57
p0 −99.54 ± 4.117
pull
Entries 58
Mean 90.85
Std Dev 71.86

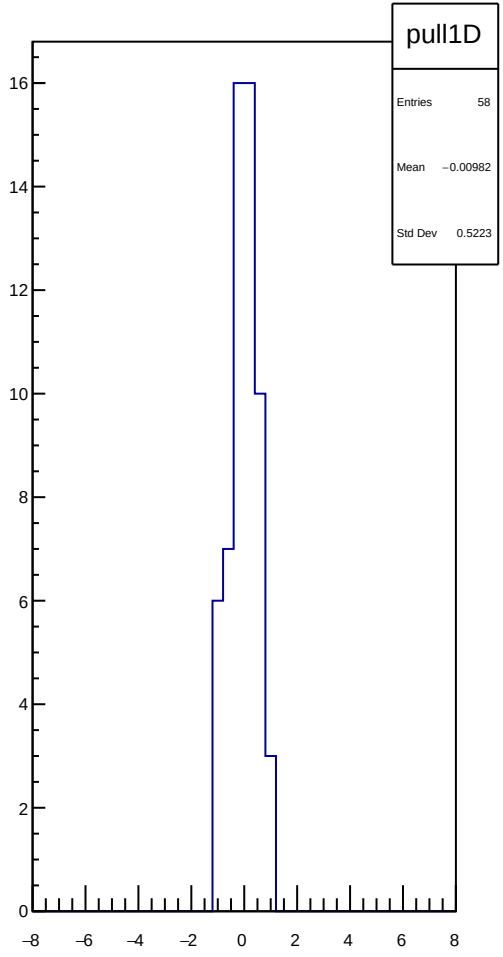

pull1D
Entries 58
Mean 0.01658
Std Dev 0.5971

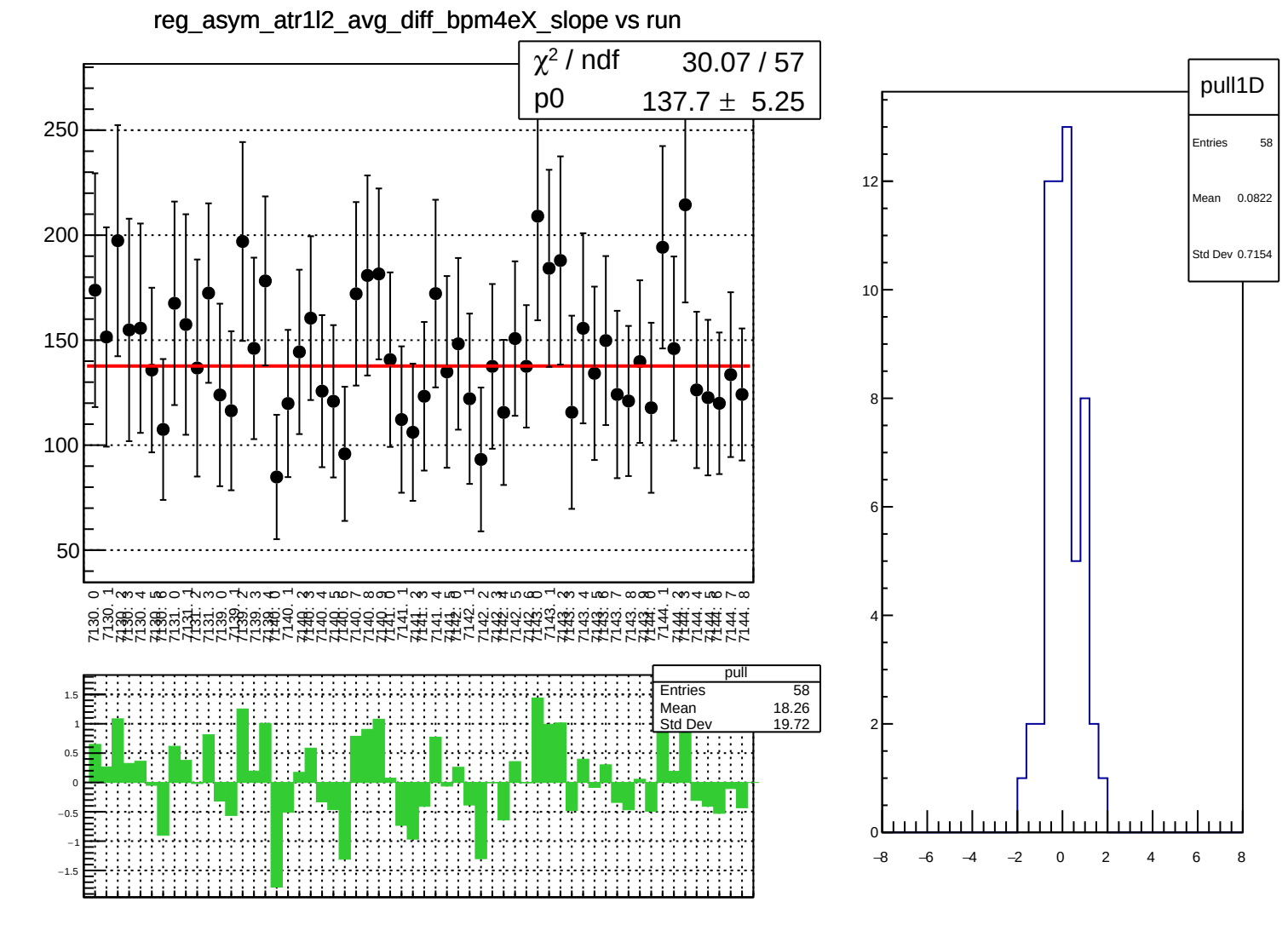

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.43 / 57
p0 122.6 ± 0.1917
pull
Entries 58
Mean −619.5
Std Dev 648

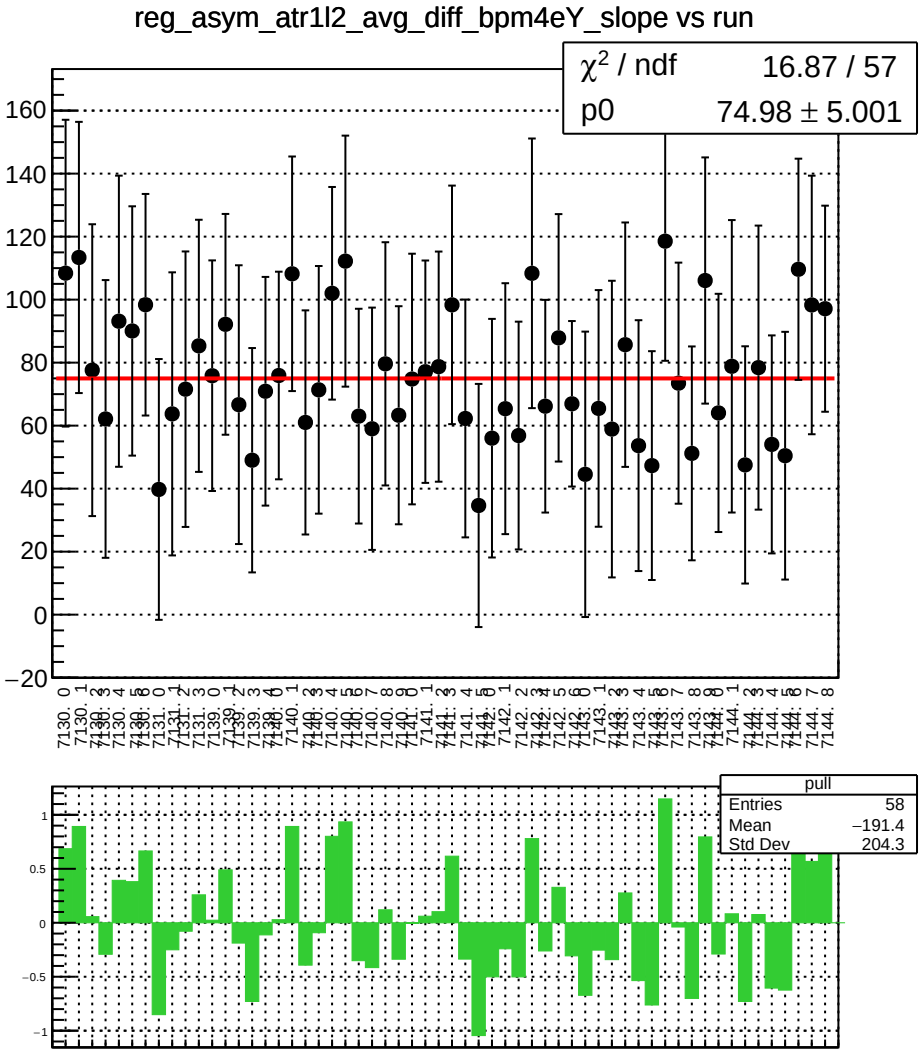

pull1D
Entries 58
Mean −0.007982
Std Dev 0.6078

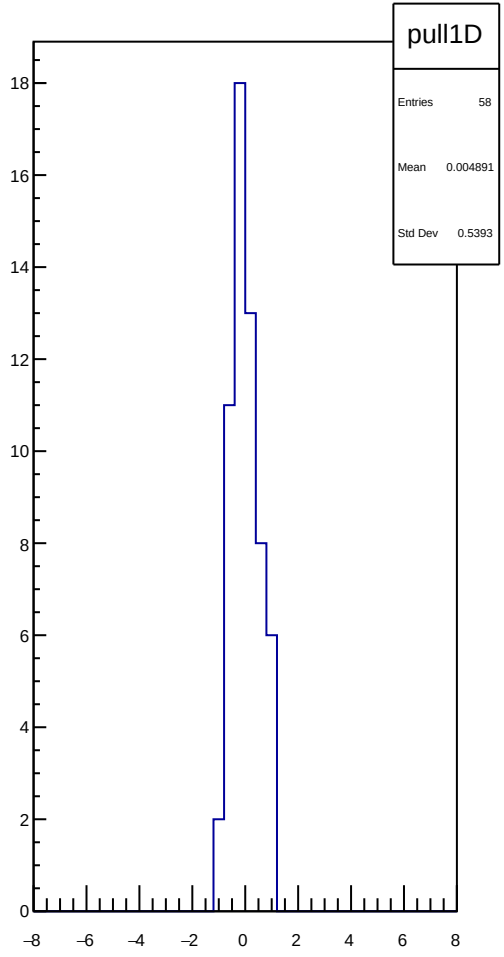

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 30.89 / 57
p0 −198.5 ± 5.154
pull
Entries 58
Mean 14.61
Std Dev 18.4
pull1D
Entries 58
Mean −0.08158
Std Dev 0.7252

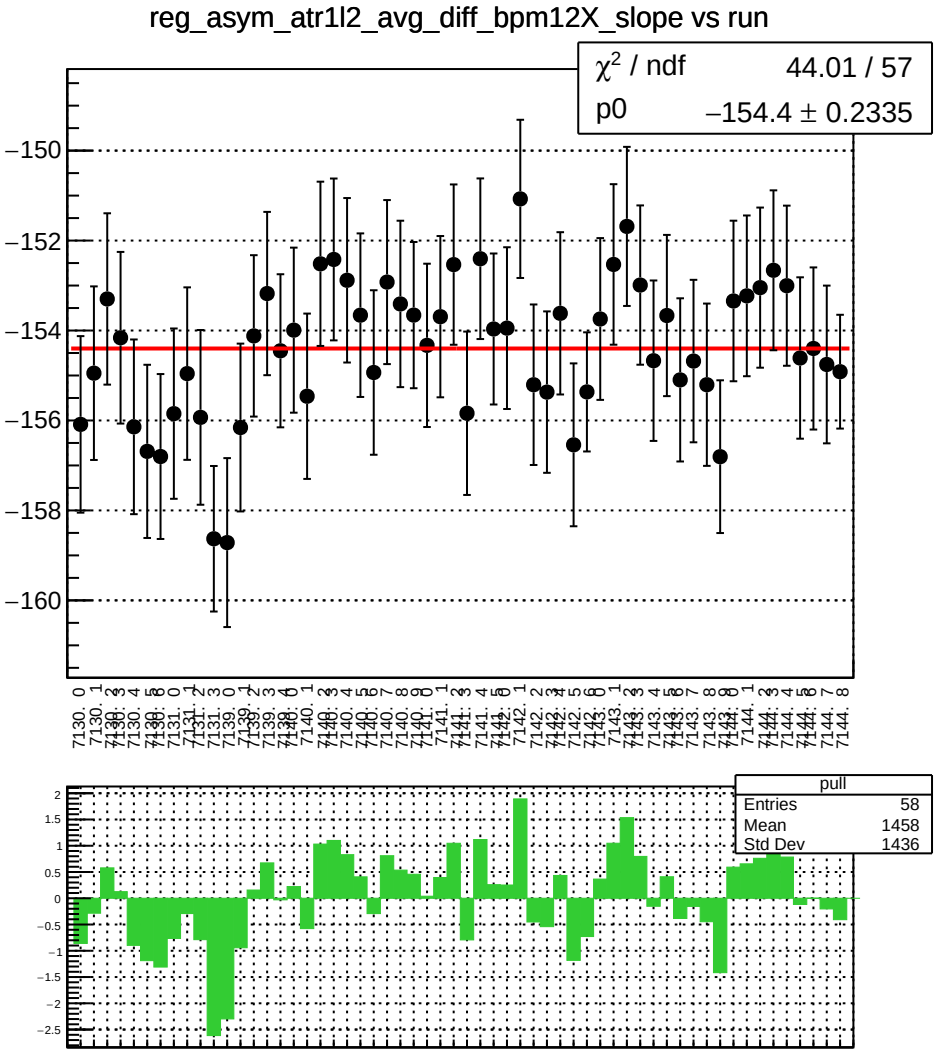

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.83 / 57
p0 −4.044 ± 4.666
pull
Entries 58
Mean −46.04
Std Dev 47.08

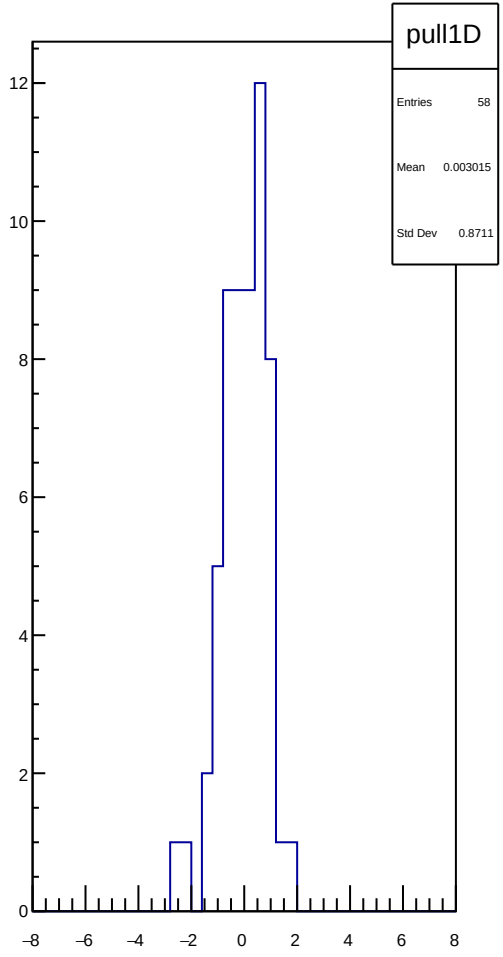

pull1D
Entries 58
Mean −0.00982
Std Dev 0.5223

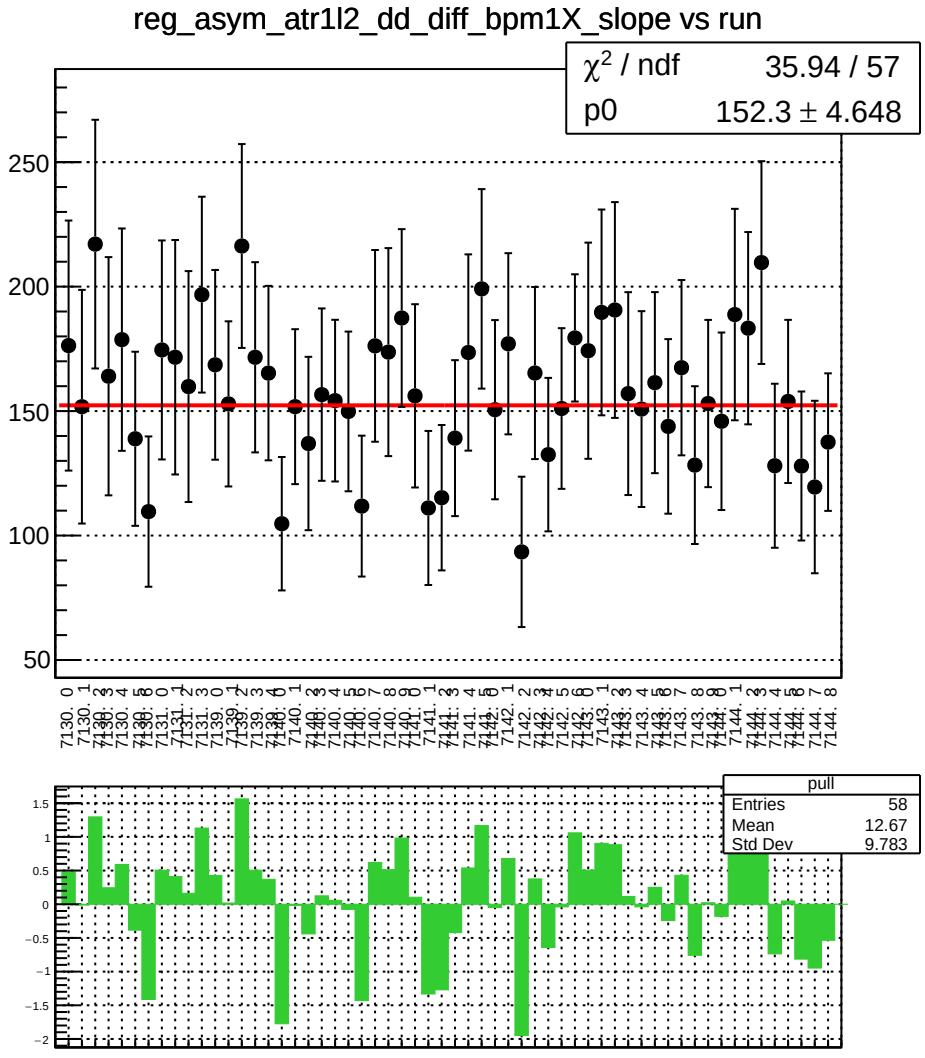

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.07 / 57
p0 137.7 ± 5.25
pull
Entries 58
Mean 18.26
Std Dev 19.72
pull1D
Entries 58
Mean 0.0822
Std Dev 0.7154

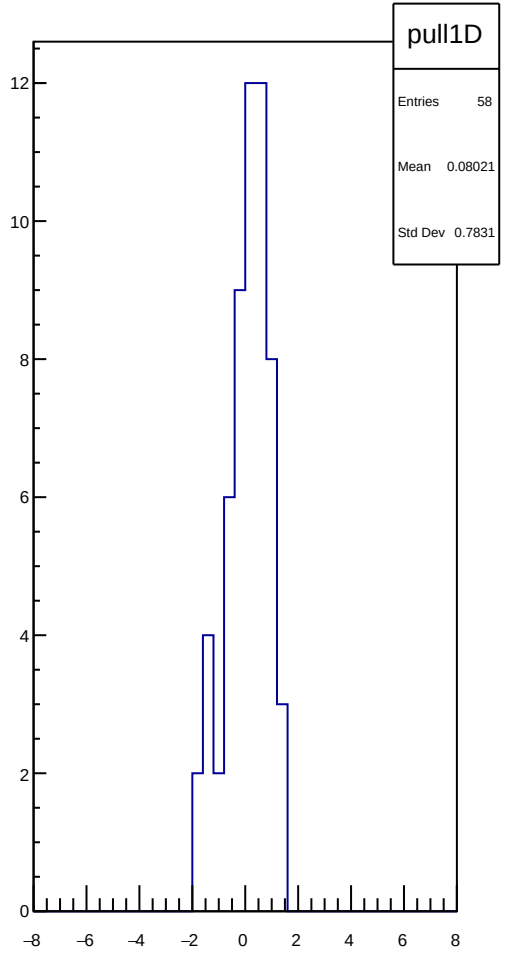

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.87 / 57
p0 74.98 ± 5.001
pull
Entries 58
Mean −191.4
Std Dev 204.3

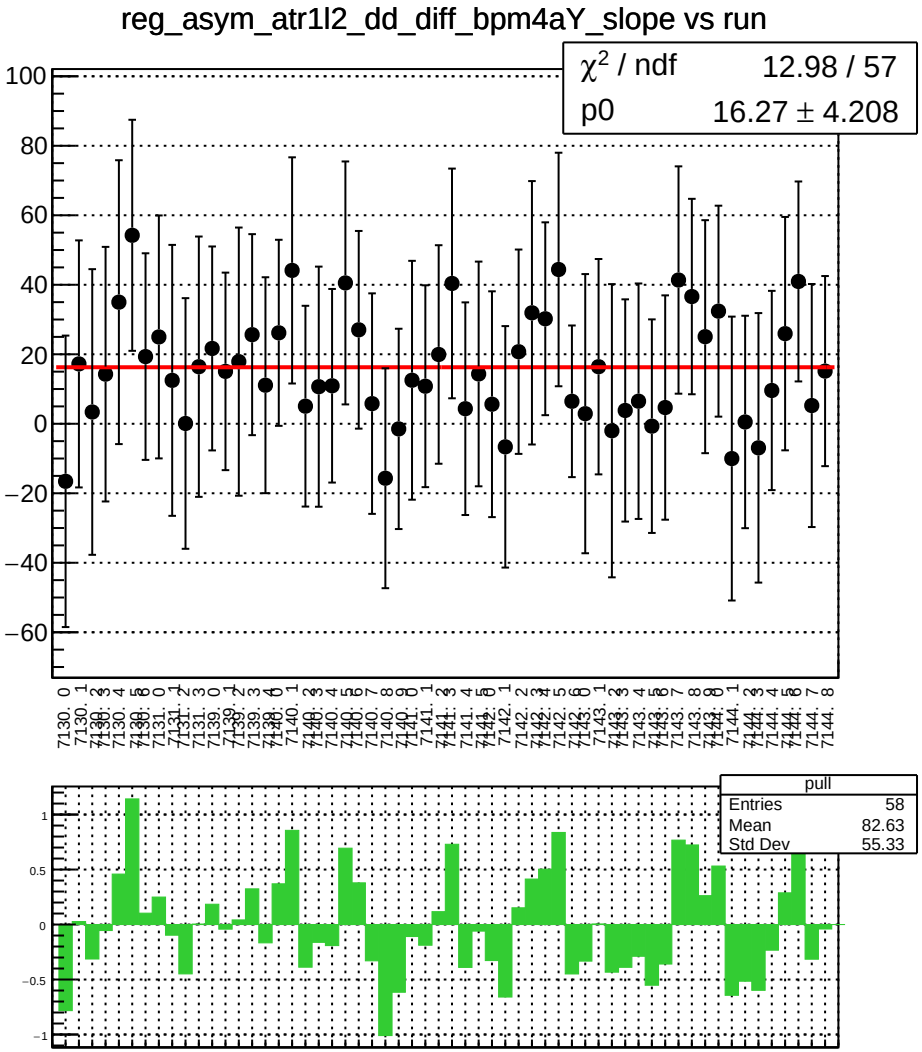

pull1D
Entries 58
Mean 0.004891
Std Dev 0.5393

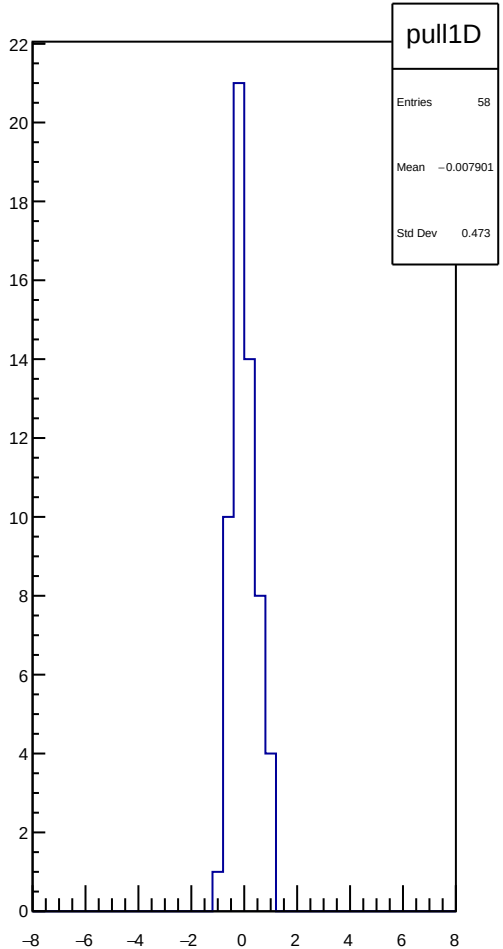

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 44.01 / 57
p0 −154.4 ± 0.2335
pull
Entries 58
Mean 1458
Std Dev 1436

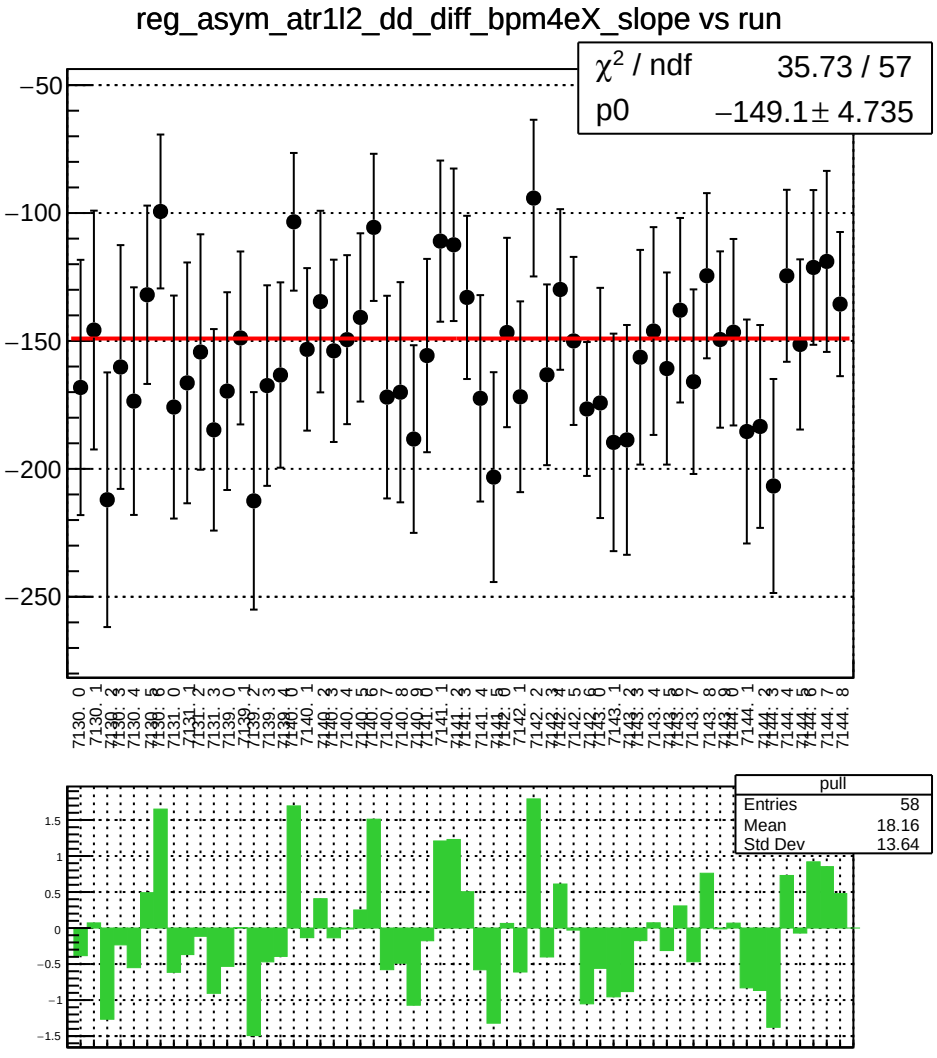

pull1D
Entries 58
Mean 0.003015
Std Dev 0.8711

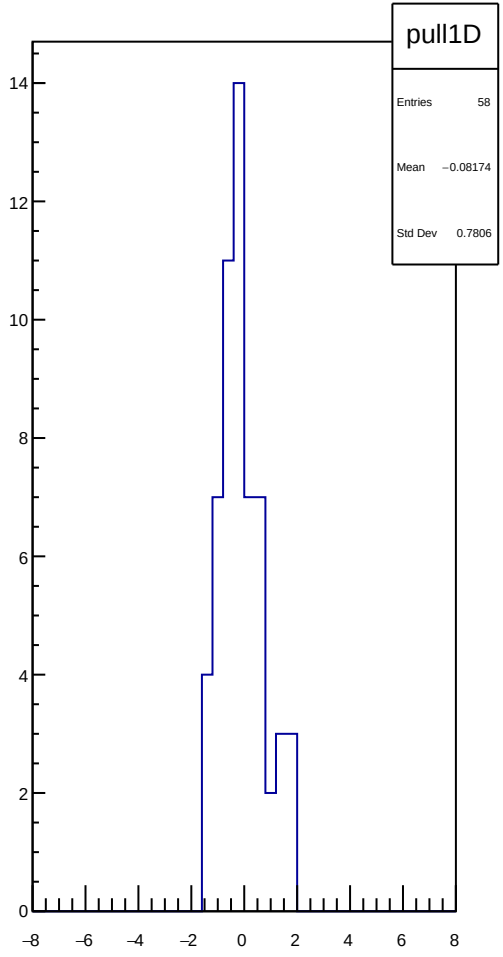

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 35.94 / 57
p0 152.3 ± 4.648
pull
Entries 58
Mean 12.67
Std Dev 9.783

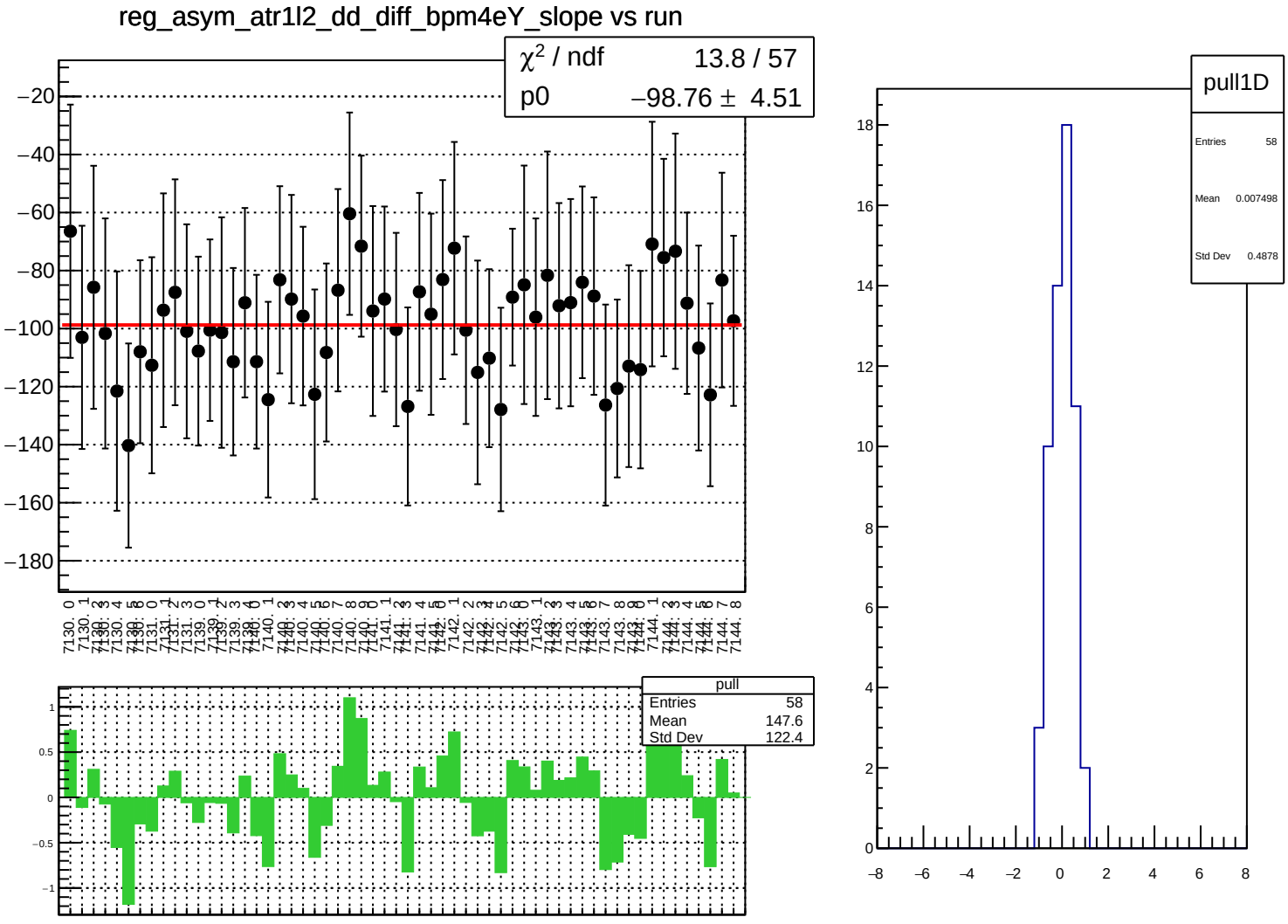

pull1D
Entries 58
Mean 0.08021
Std Dev 0.7831

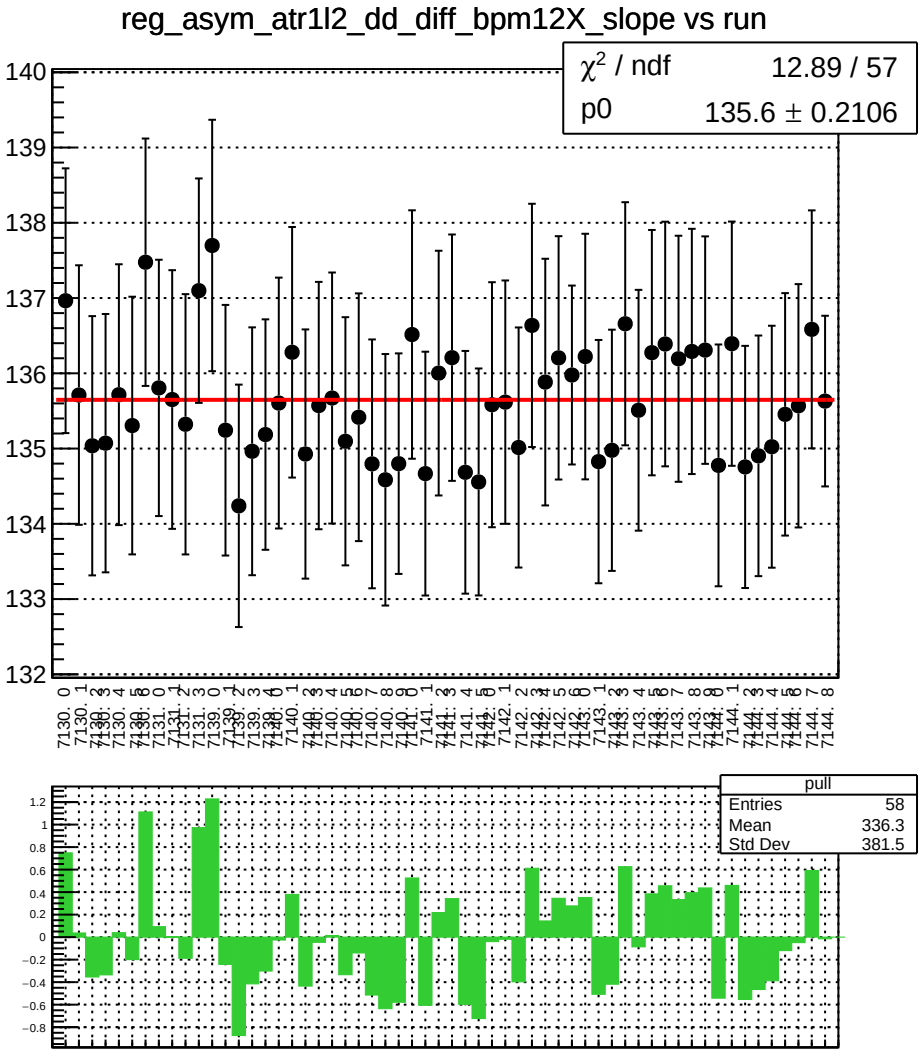

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.98 / 57
p0 16.27 ± 4.208
pull
Entries 58
Mean 82.63
Std Dev 55.33

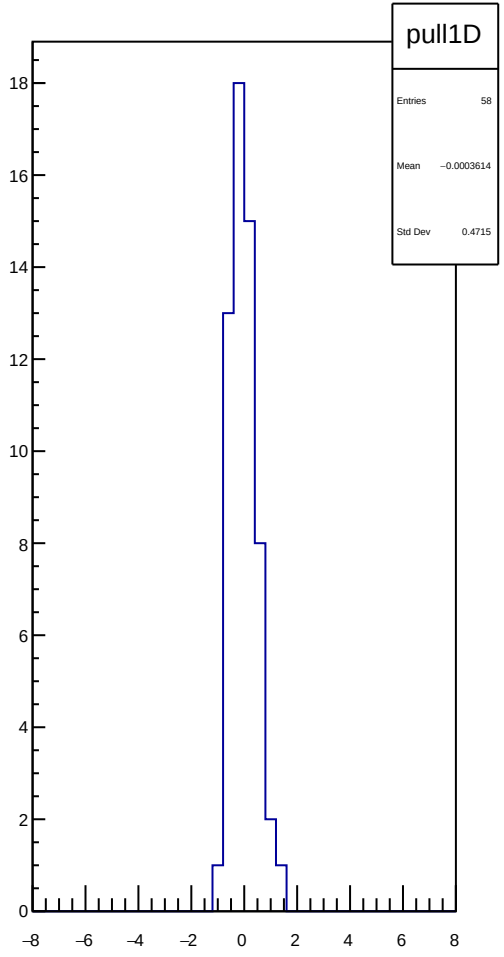

pull1D
Entries 58
Mean −0.007901
Std Dev 0.473

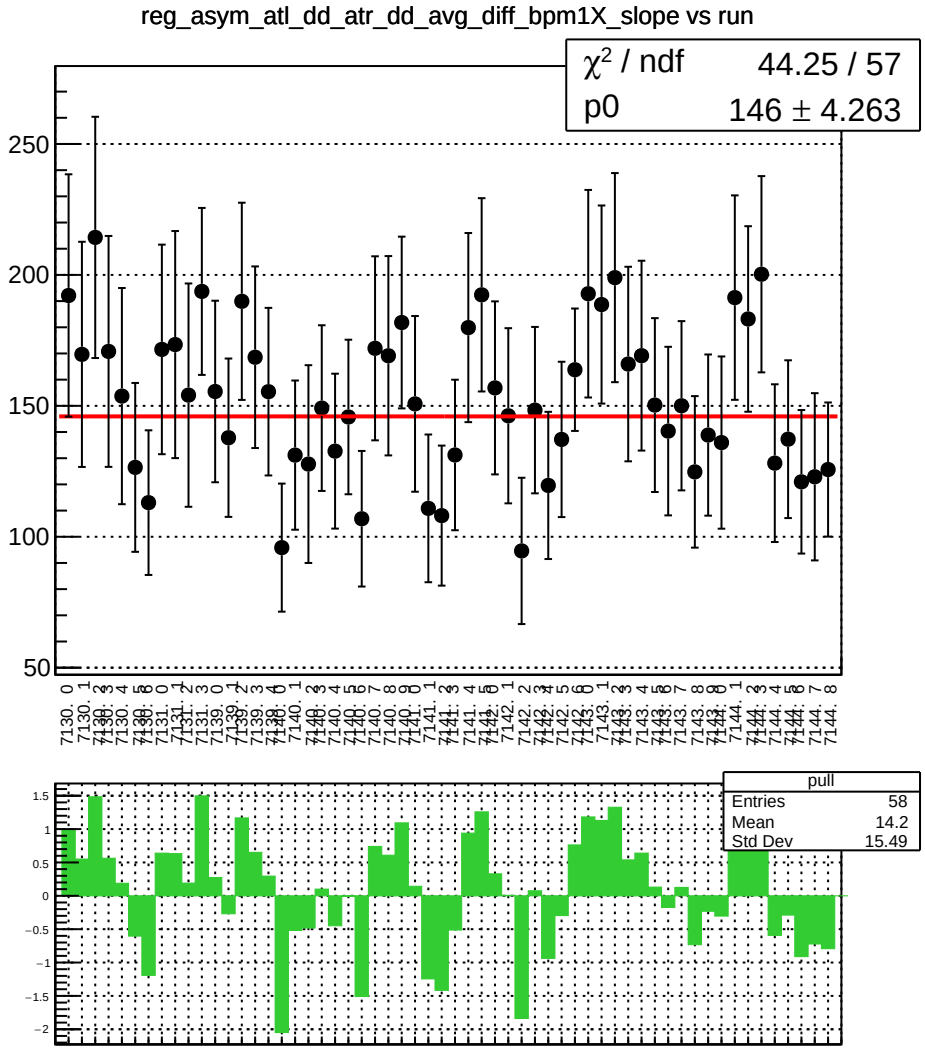

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.73 / 57
p0 −149.1 ± 4.735
pull
Entries 58
Mean 18.16
Std Dev 13.64

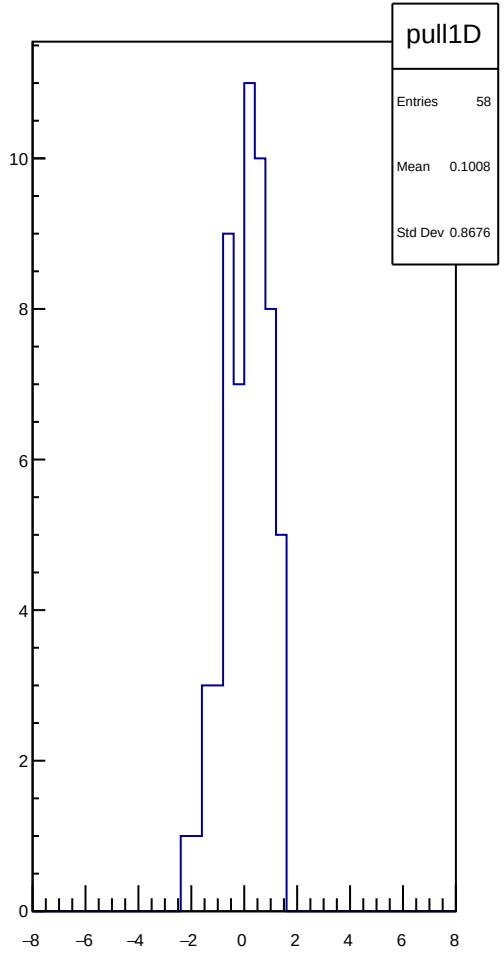

pull1D
Entries 58
Mean −0.08174
Std Dev 0.7806


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.8 / 57
p0 −98.76 ± 4.51
pull
Entries 58
Mean 147.6
Std Dev 122.4
pull1D
Entries 58
Mean 0.007498
Std Dev 0.4878

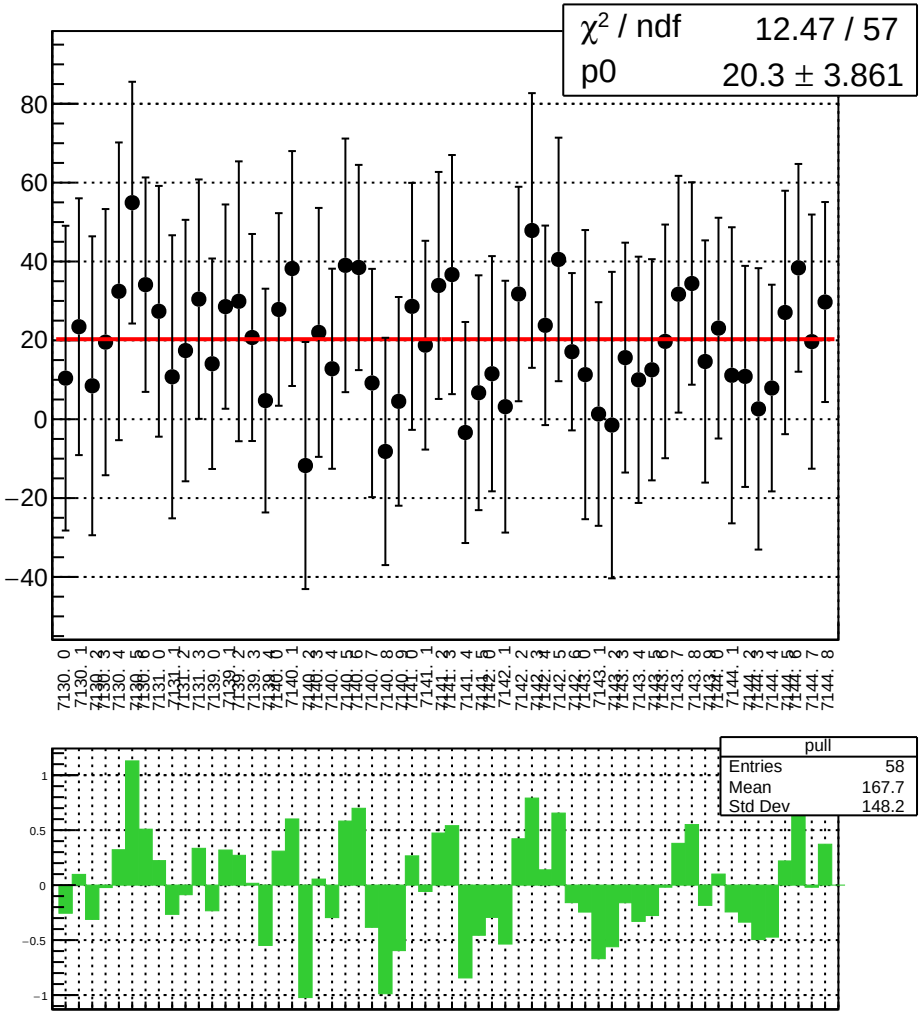

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 12.89 / 57
p0 135.6 ± 0.2106
pull
Entries 58
Mean 336.3
Std Dev 381.5

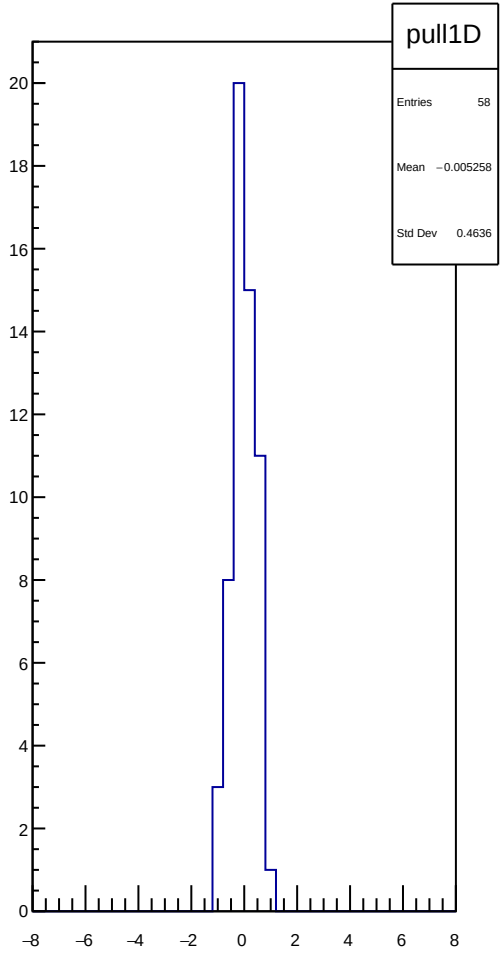

pull1D
Entries 58
Mean −0.0003614
Std Dev 0.4715

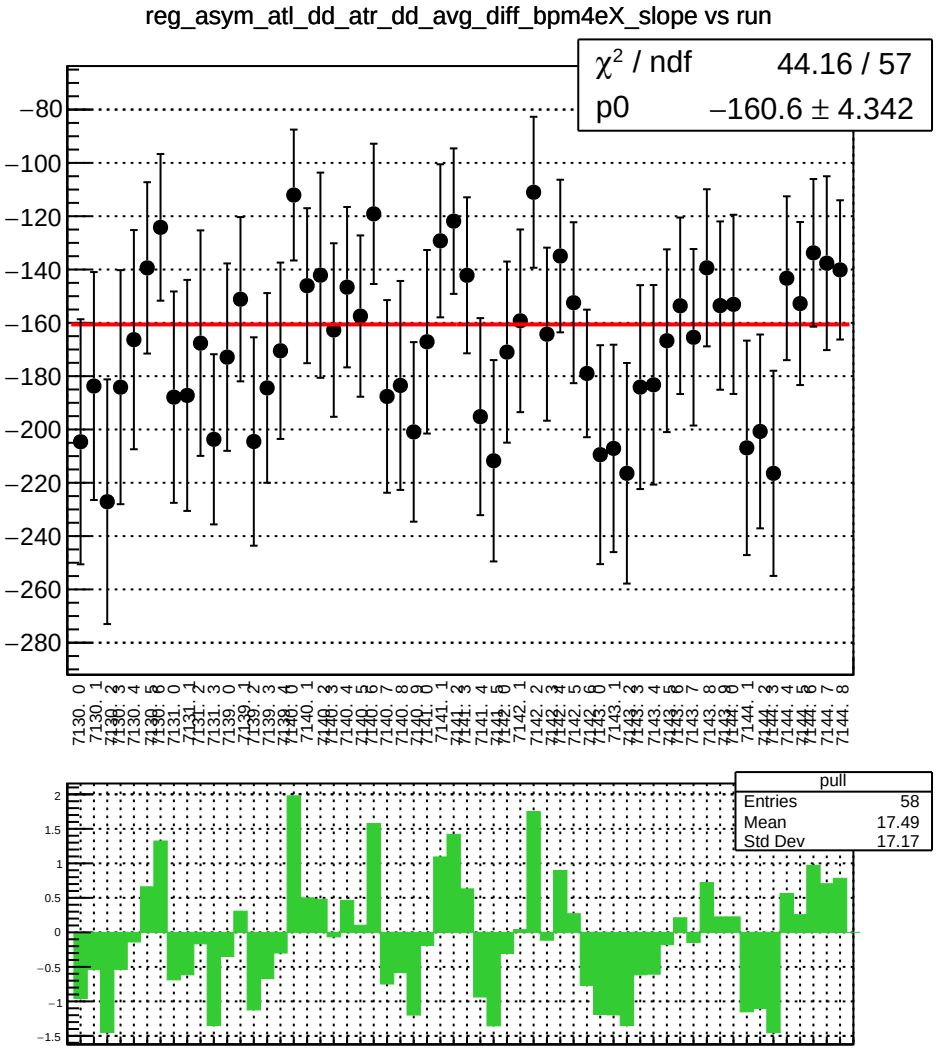

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 44.25 / 57
p0 146 ± 4.263
pull
Entries 58
Mean 14.2
Std Dev 15.49

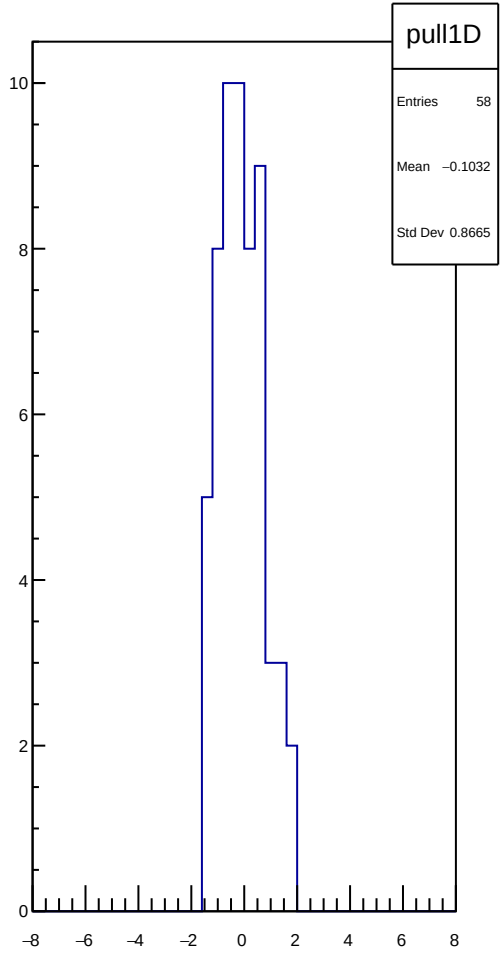

pull1D
Entries 58
Mean 0.1008
Std Dev 0.8676

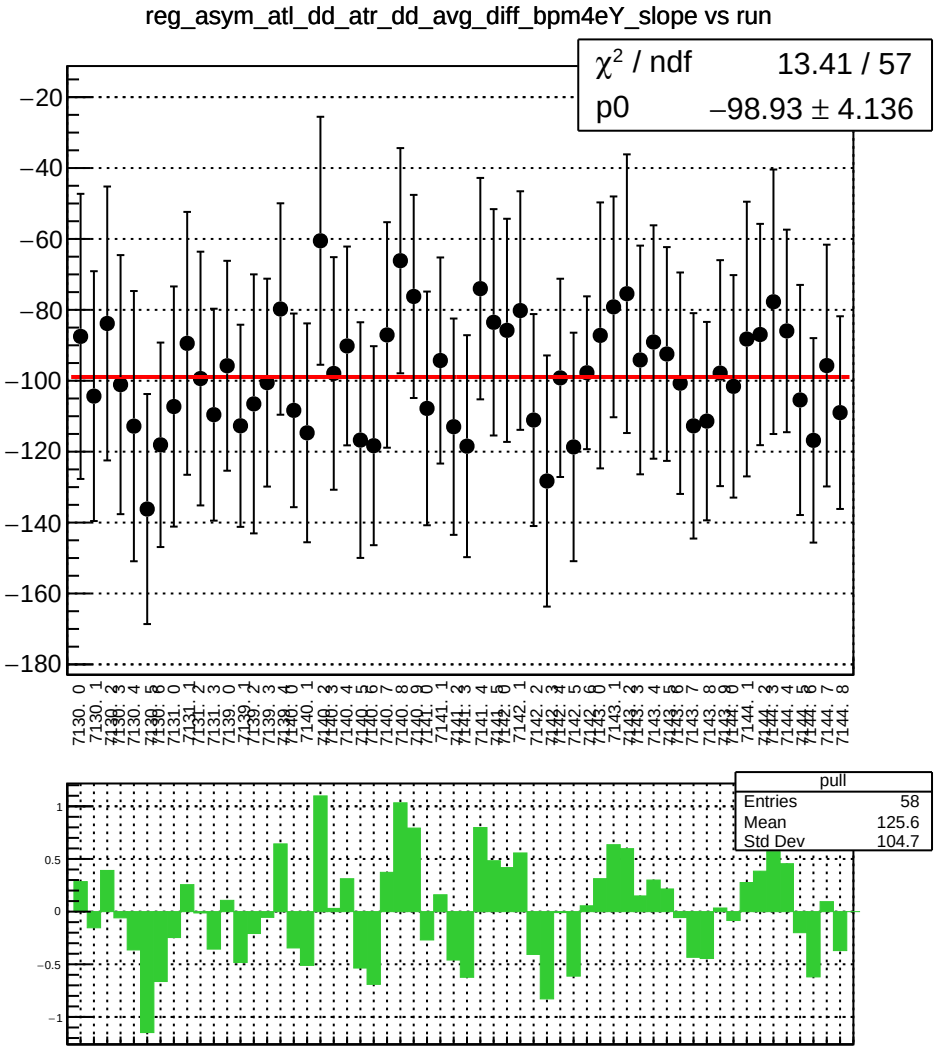
reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run

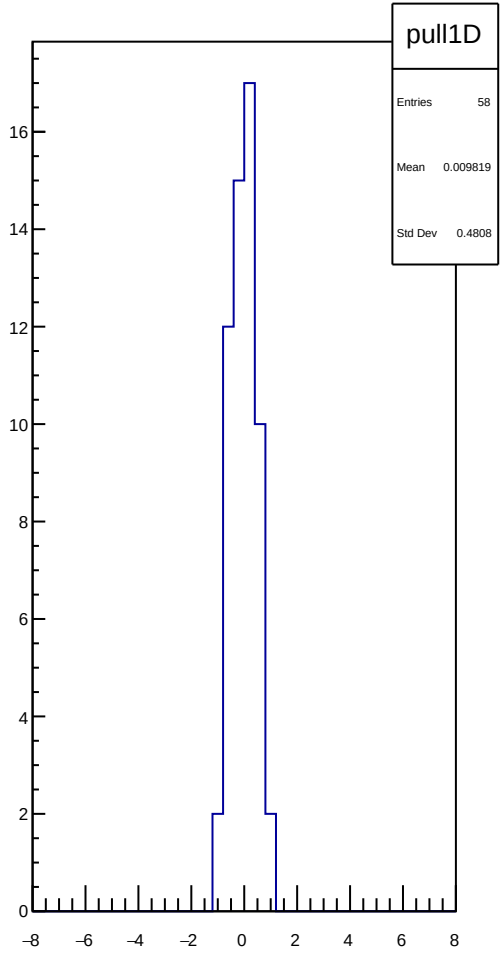




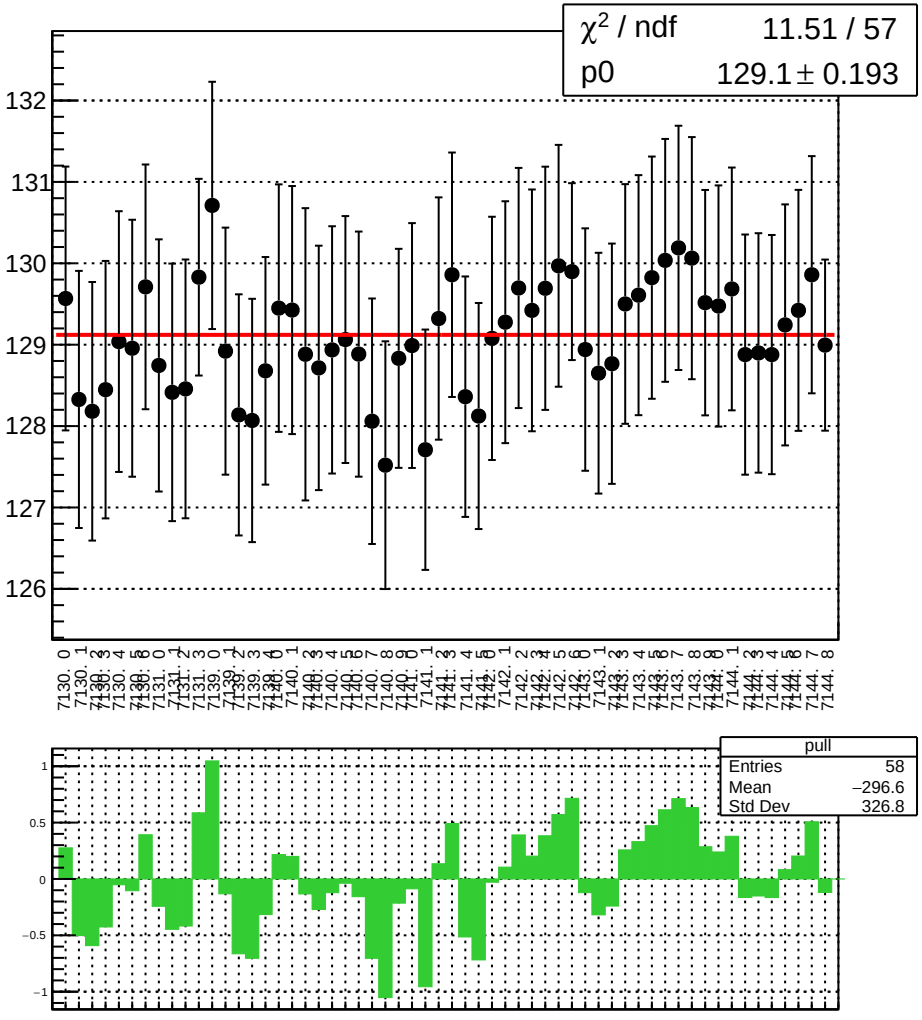

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.16 / 57
p0 −160.6 ± 4.342
pull
Entries 58
Mean 17.49
Std Dev 17.17

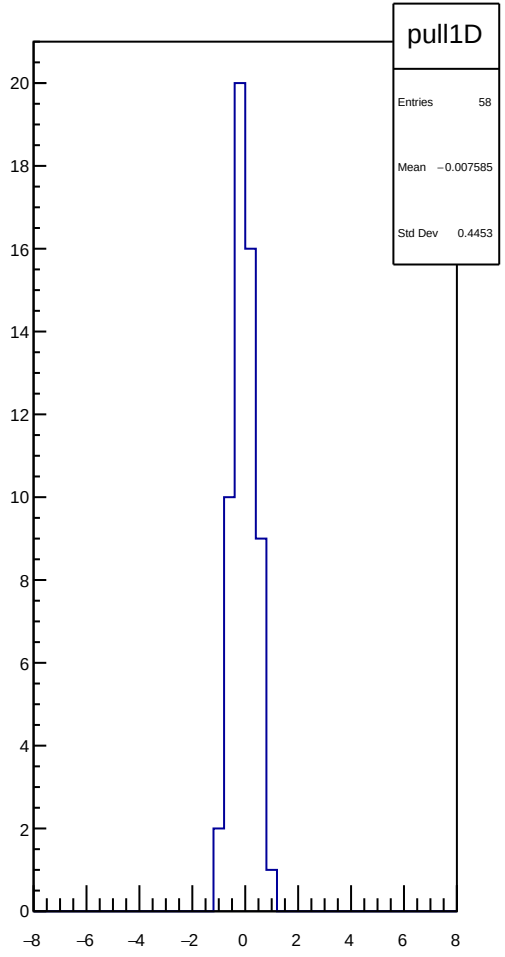

pull1D
Entries 58
Mean −0.1032
Std Dev 0.8665

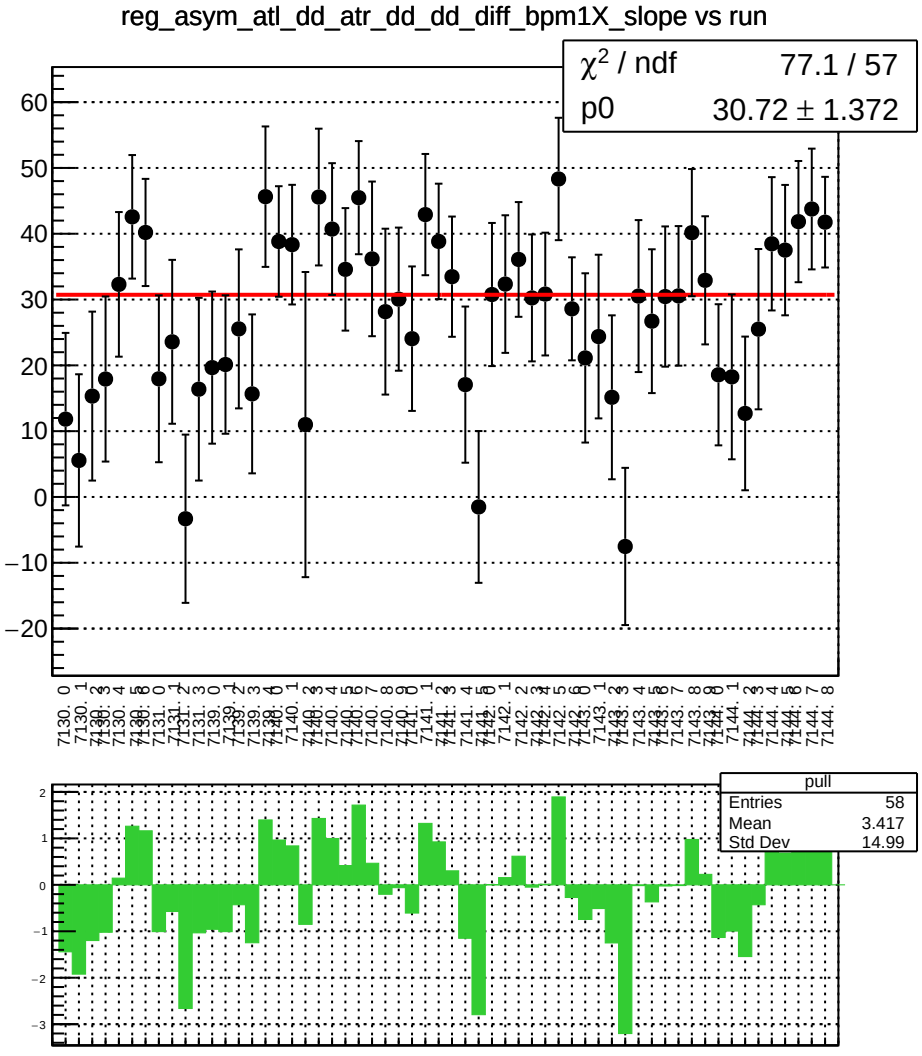

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.41 / 57
p0 −98.93 ± 4.136
pull
Entries 58
Mean 125.6
Std Dev 104.7

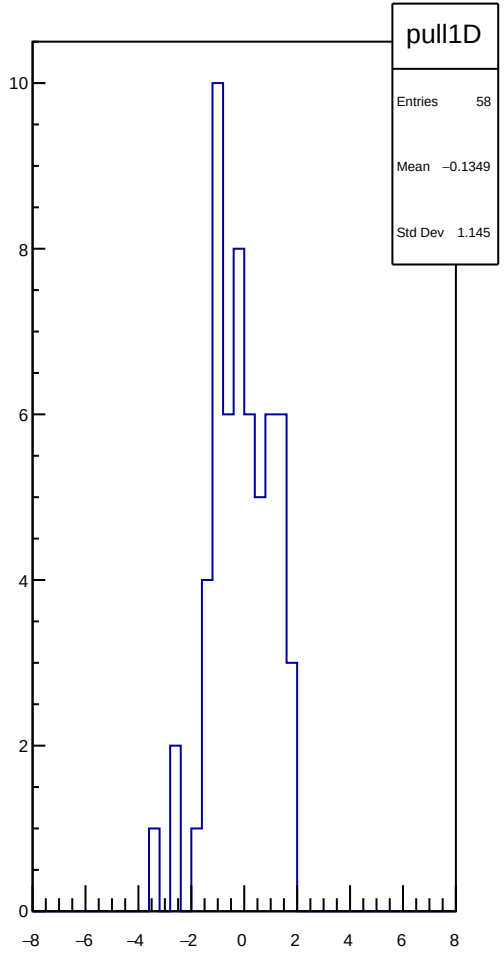

pull1D
Entries 58
Mean 0.009819
Std Dev 0.4808

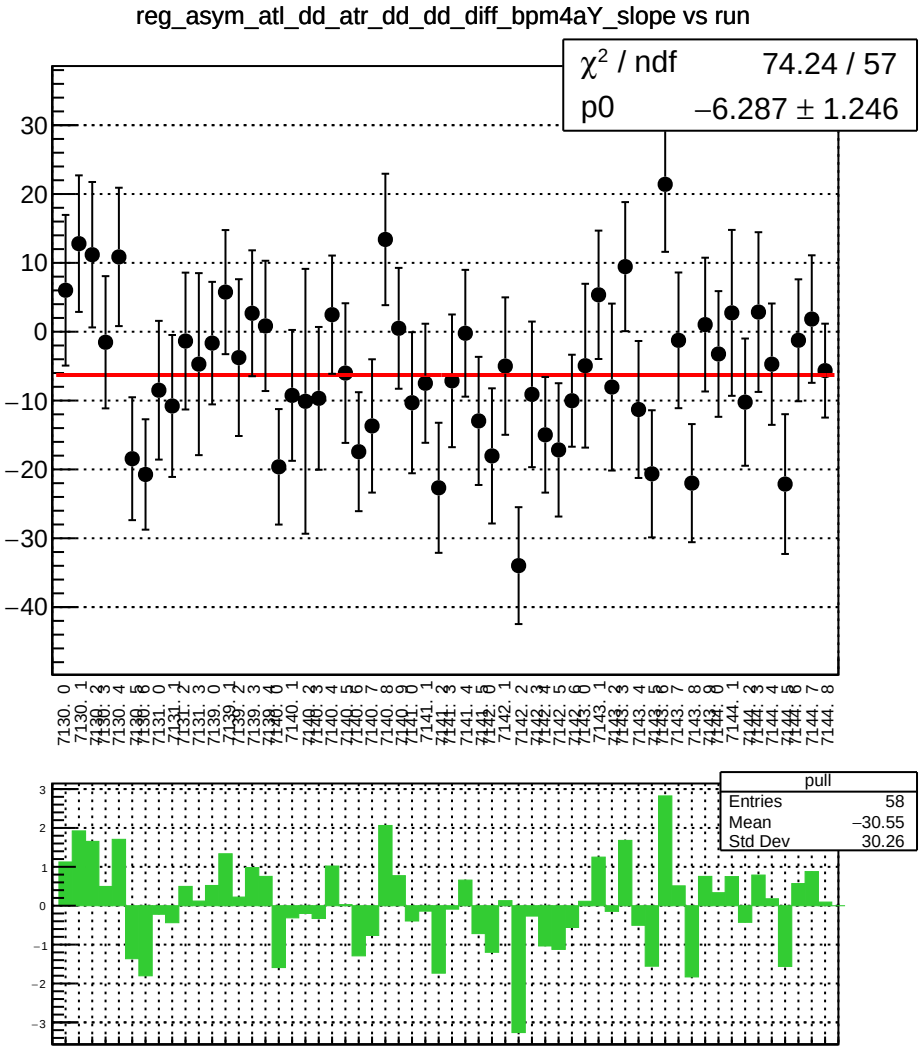
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run

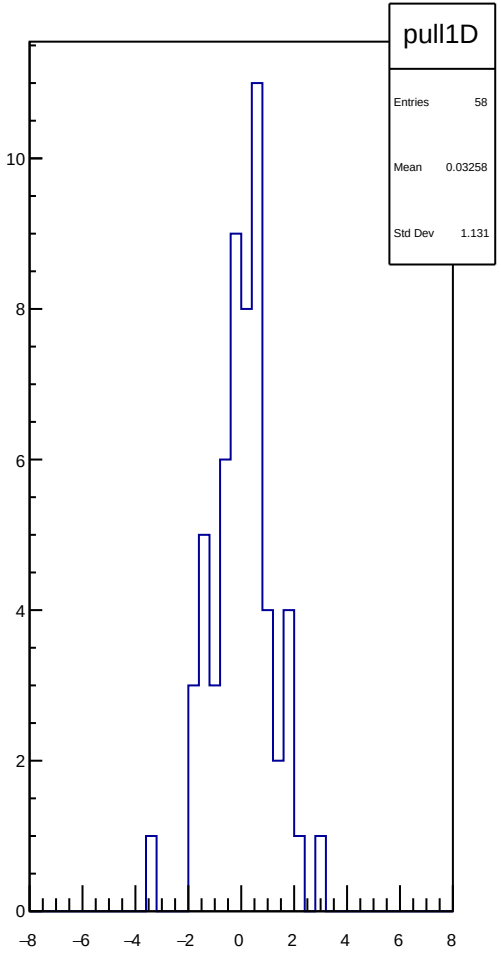


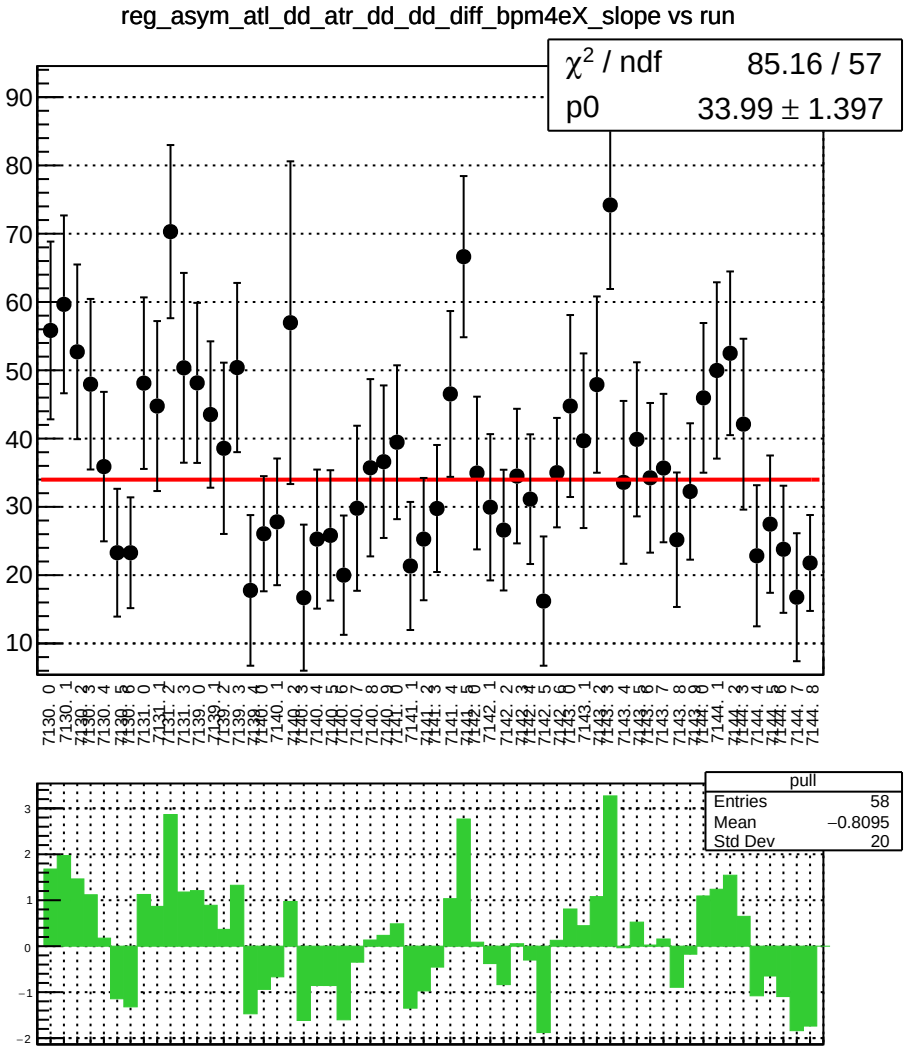


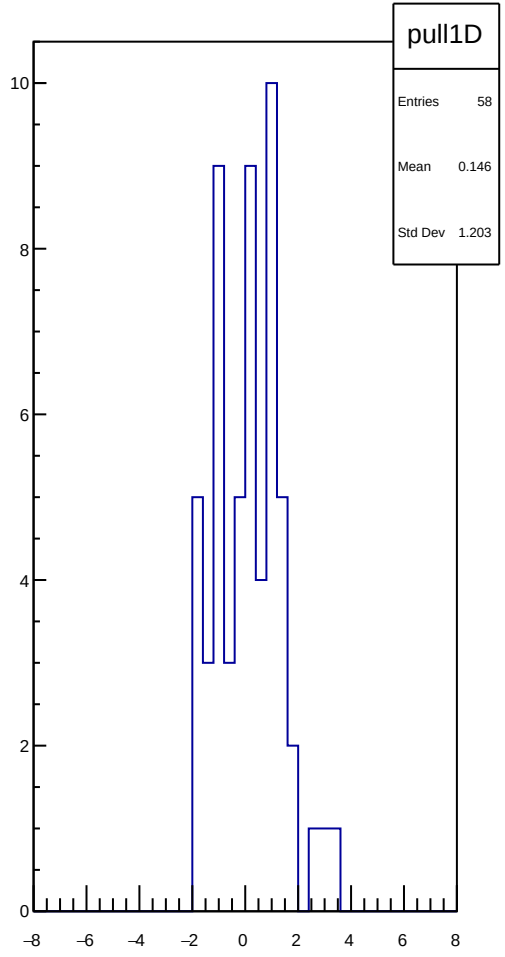

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 77.1 / 57
p0 30.72 ± 1.372
pull
Entries 58
Mean 3.417
Std Dev 14.99

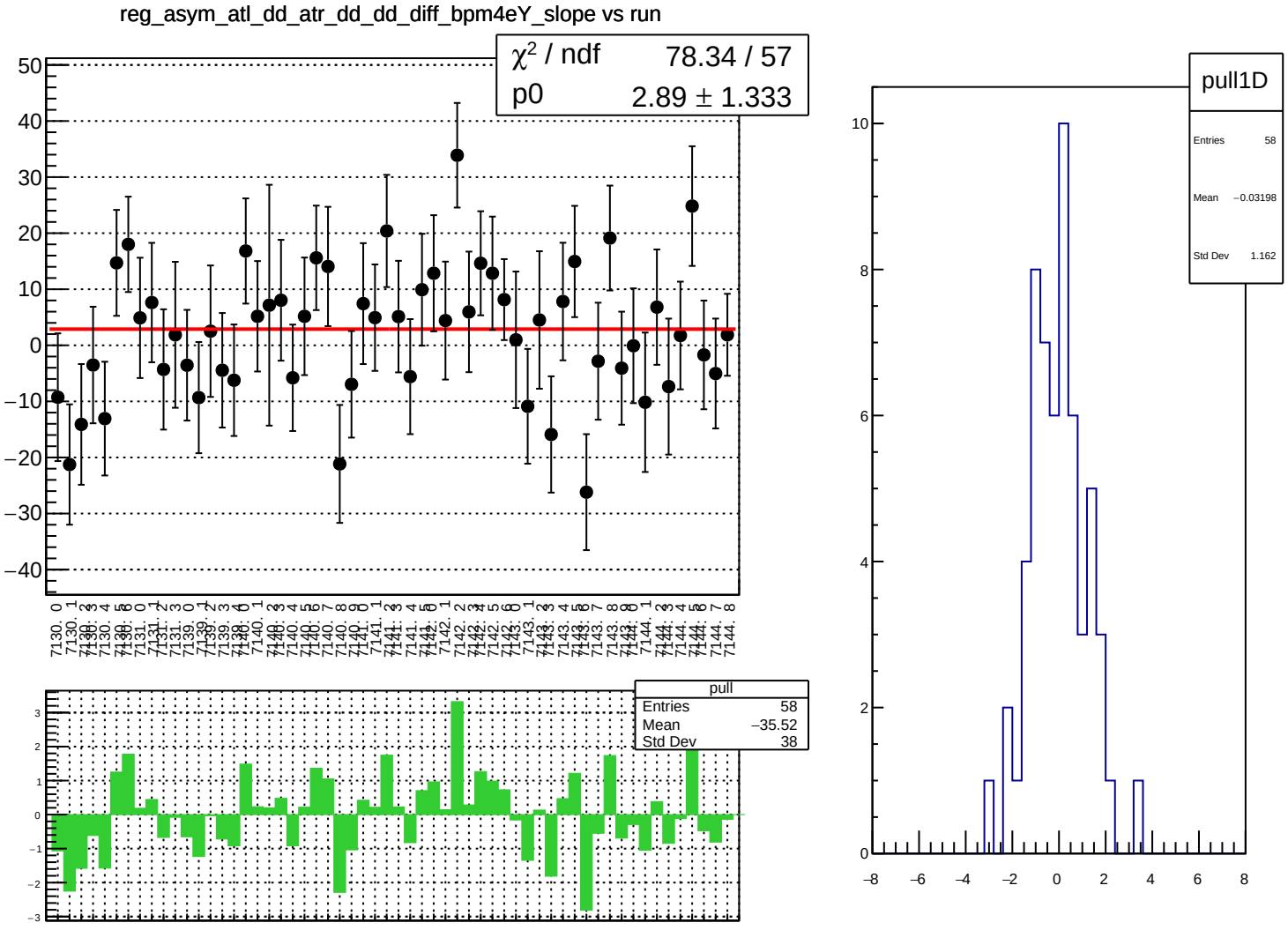

pull1D
Entries 58
Mean −0.1349
Std Dev 1.145

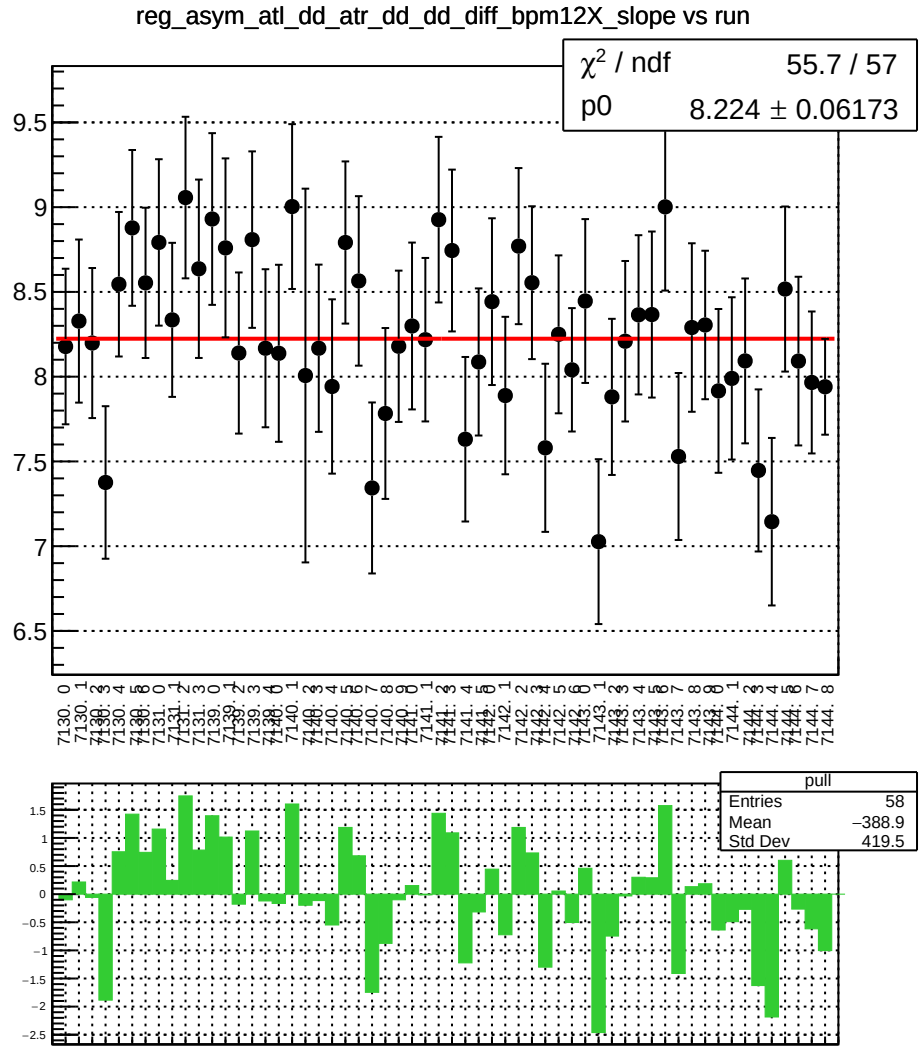

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.24 / 57
p0 −6.287 ± 1.246
pull
Entries 58
Mean −30.55
Std Dev 30.26

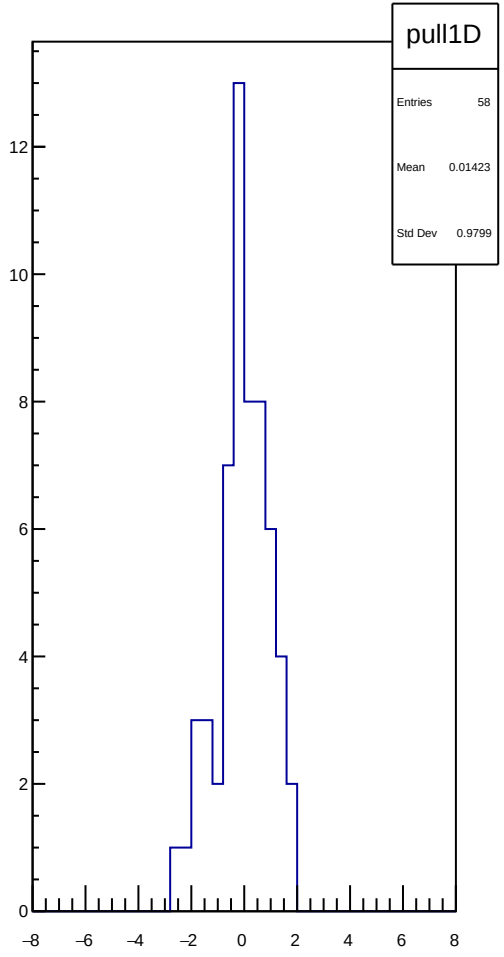

pull1D
Entries 58
Mean 0.03258
Std Dev 1.131

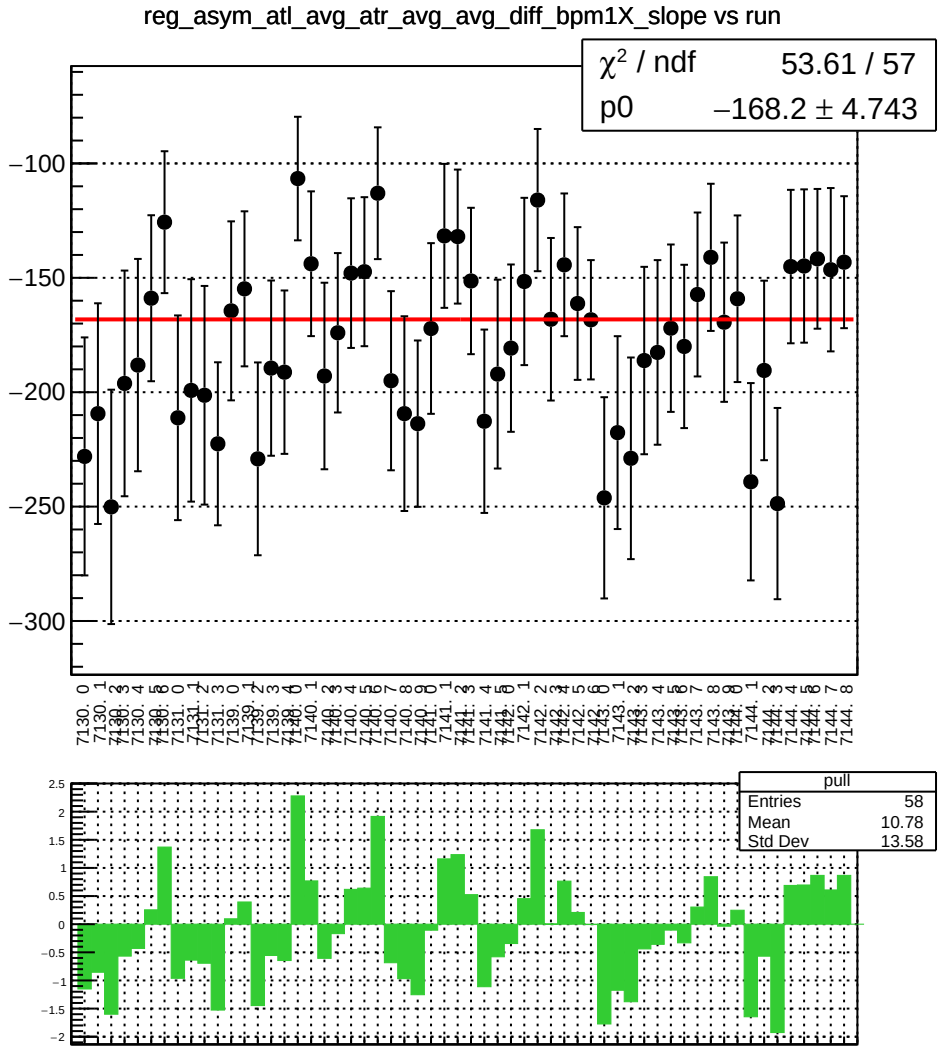

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.16 / 57
p0 33.99 ± 1.397
pull
Entries 58
Mean −0.8095
Std Dev 20

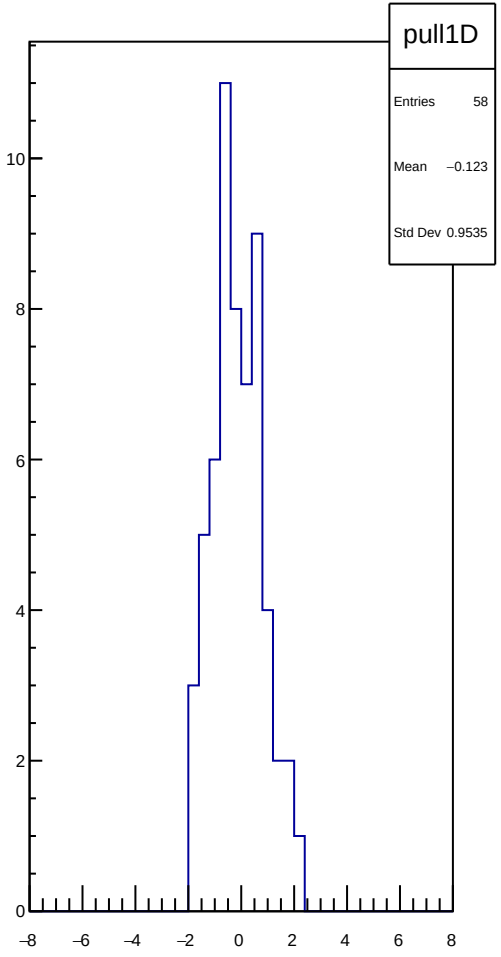

pull1D
Entries 58
Mean 0.146
Std Dev 1.203

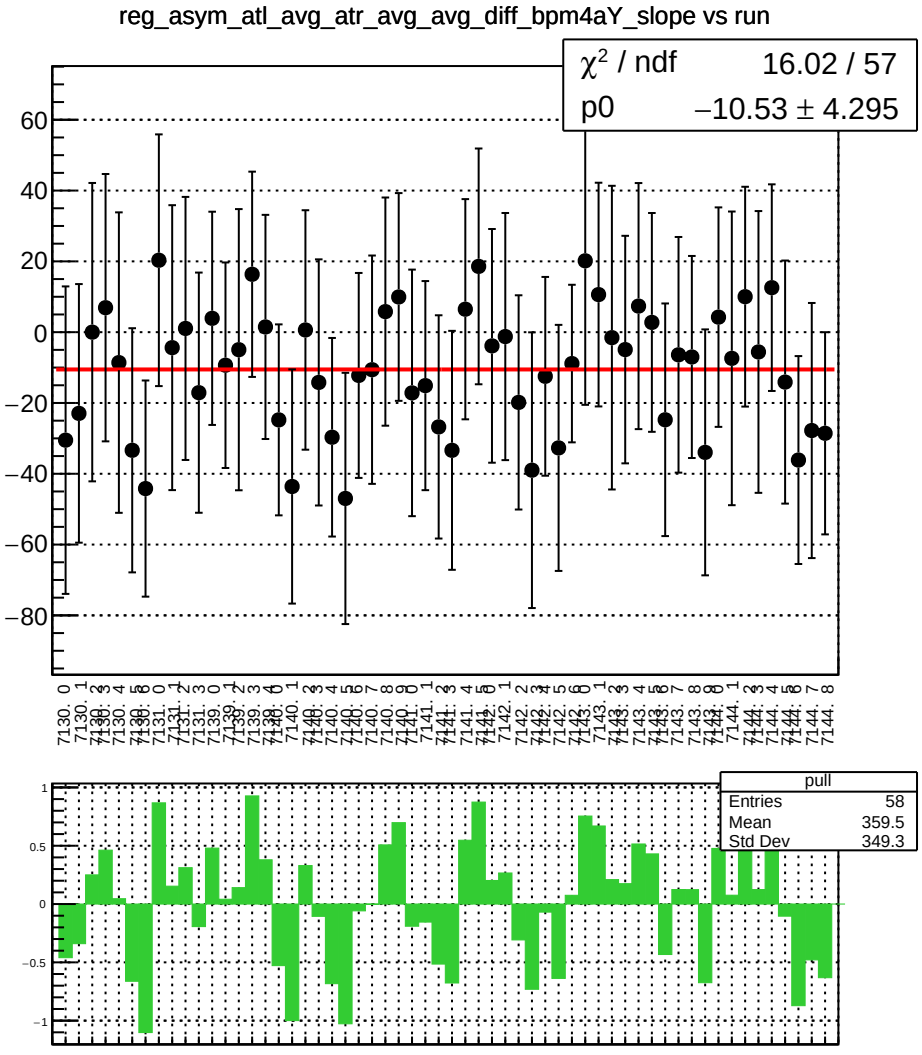

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.34 / 57
p0 2.89 ± 1.333
pull
Entries 58
Mean −35.52
Std Dev 38
pull1D
Entries 58
Mean −0.03198
Std Dev 1.162

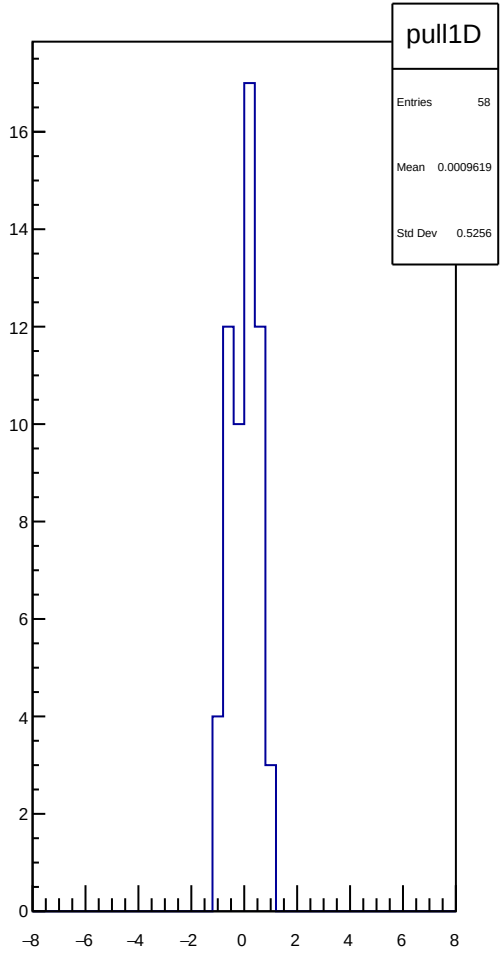

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 55.7 / 57
p0 8.224 ± 0.06173
pull
Entries 58
Mean −388.9
Std Dev 419.5


pull1D
Entries 58
Mean 0.01423
Std Dev 0.9799

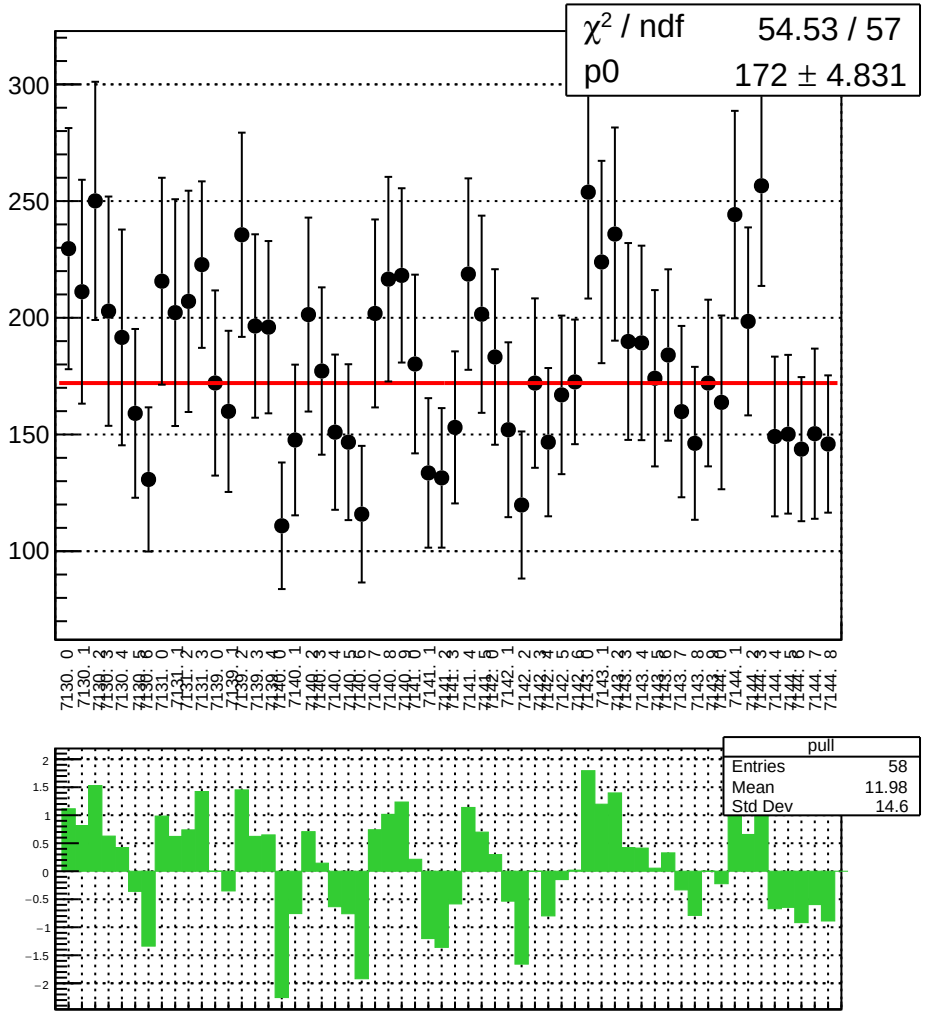

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 53.61 / 57
p0 −168.2 ± 4.743
pull
Entries 58
Mean 10.78
Std Dev 13.58

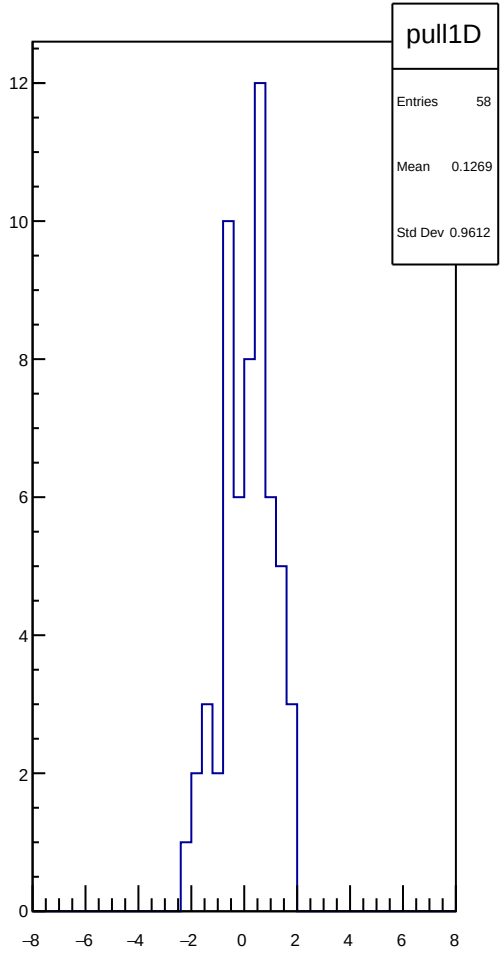

pull1D
Entries 58
Mean −0.123
Std Dev 0.9535

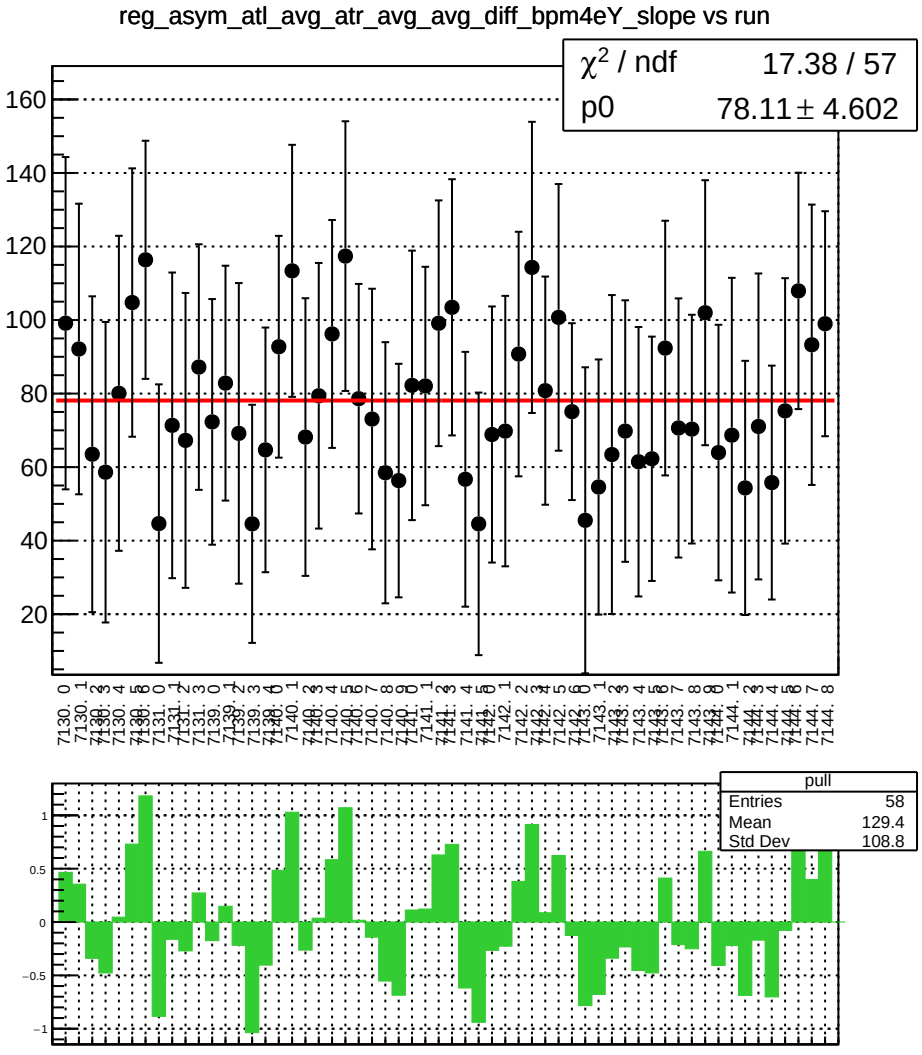

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.02 / 57
p0 −10.53 ± 4.295
pull
Entries 58
Mean 359.5
Std Dev 349.3

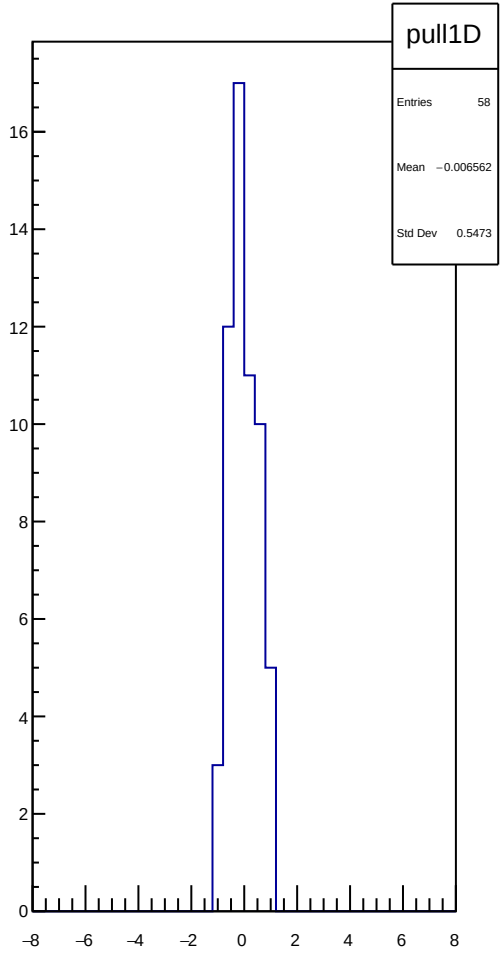

pull1D
Entries 58
Mean 0.0009619
Std Dev 0.5256

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run

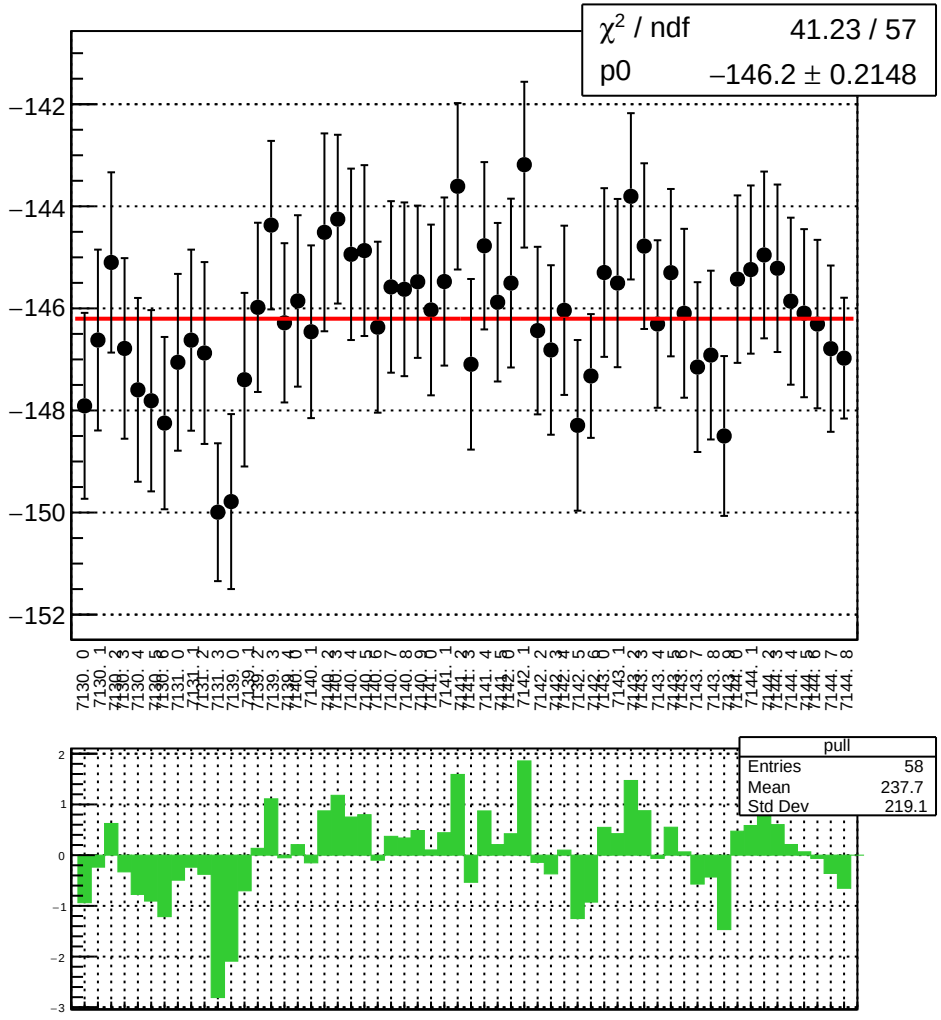


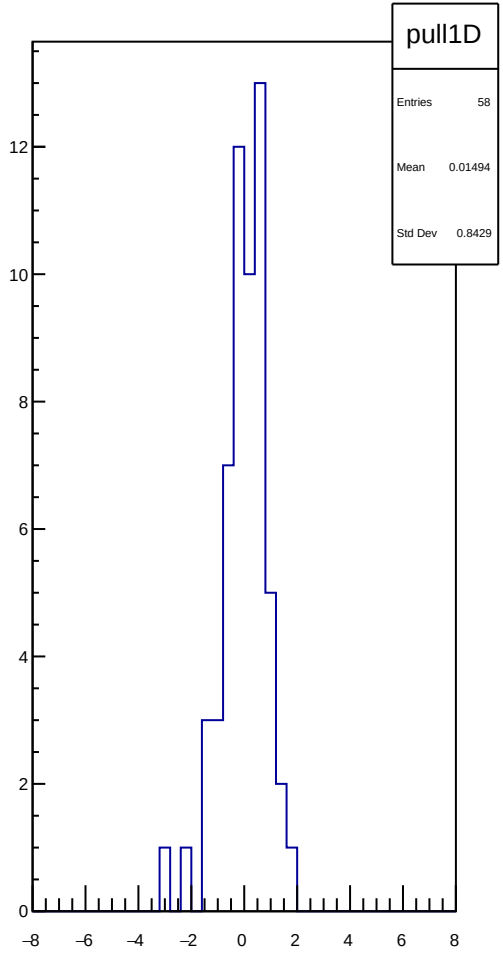


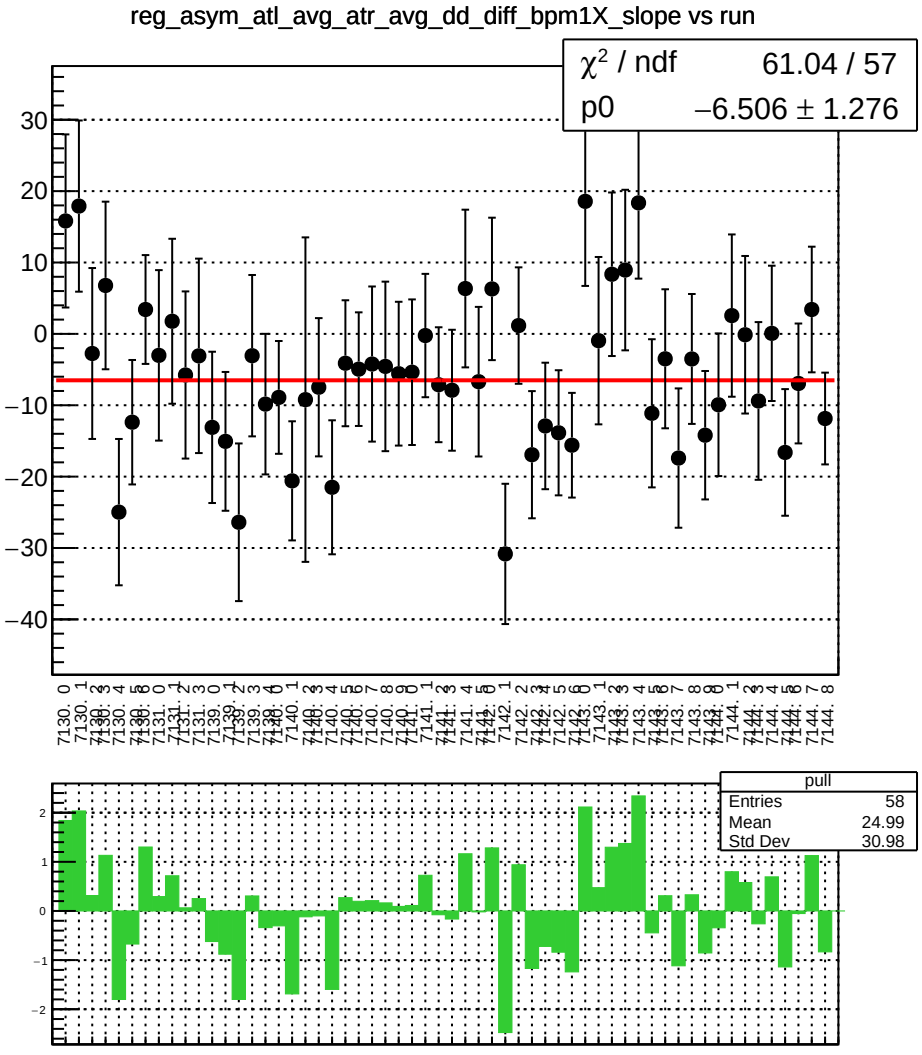

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.38 / 57
p0 78.11 ± 4.602
pull
Entries 58
Mean 129.4
Std Dev 108.8

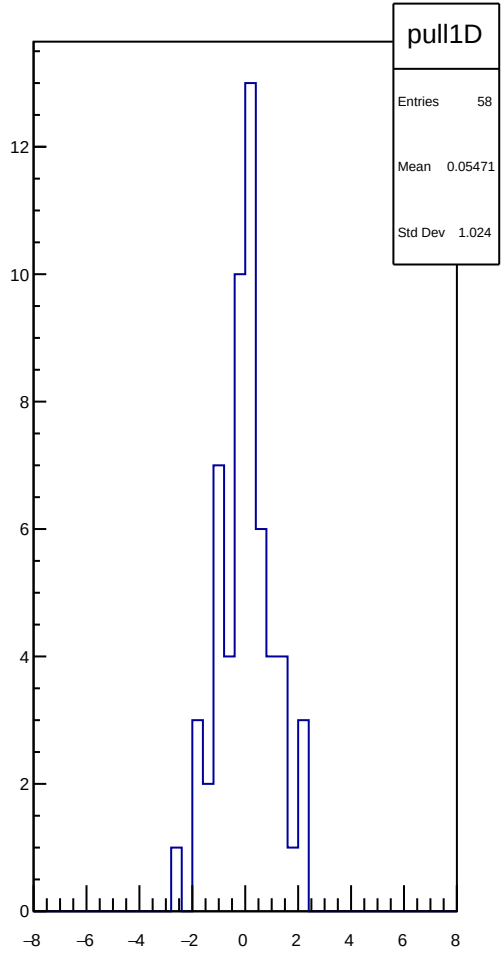

pull1D
Entries 58
Mean −0.006562
Std Dev 0.5473

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

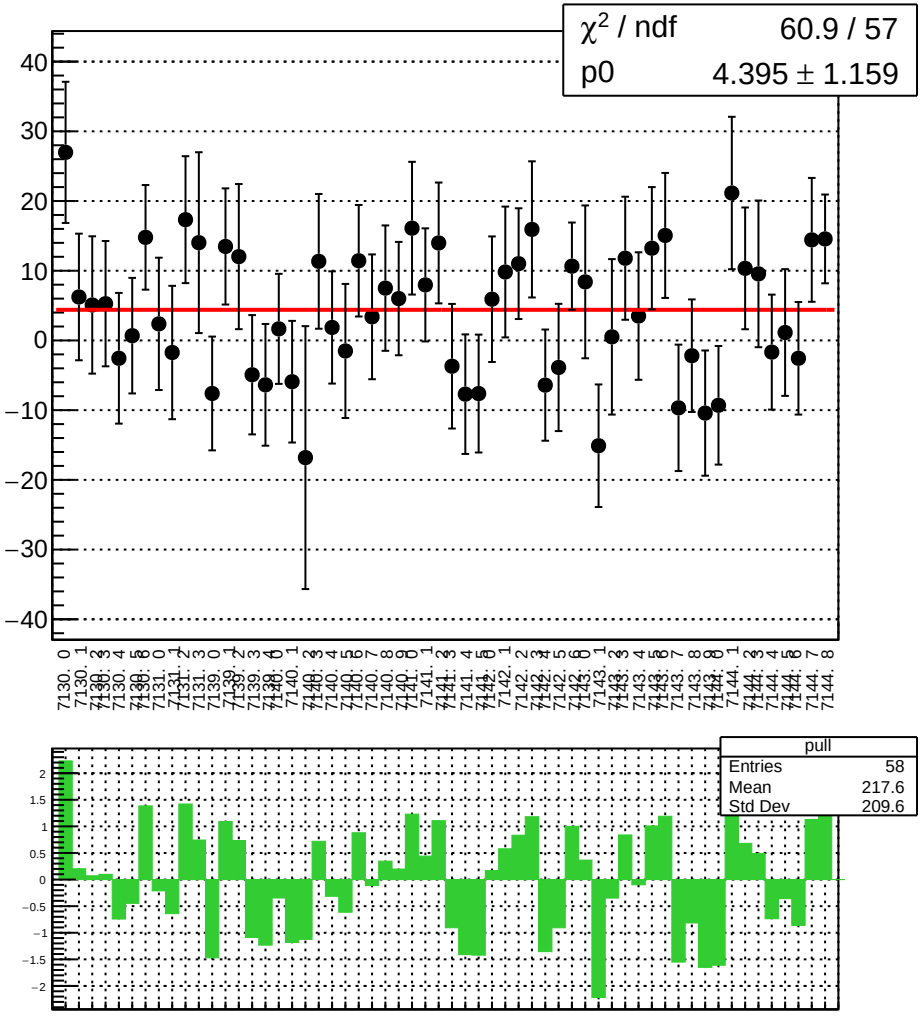


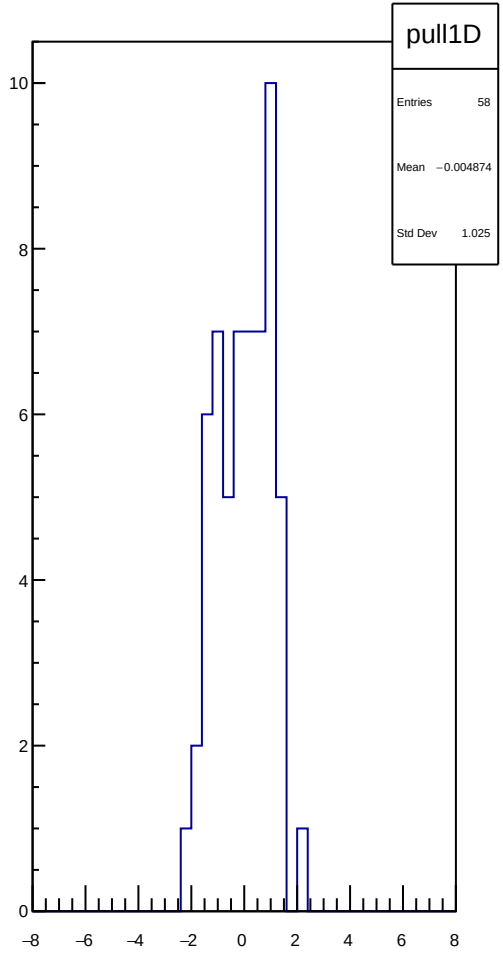


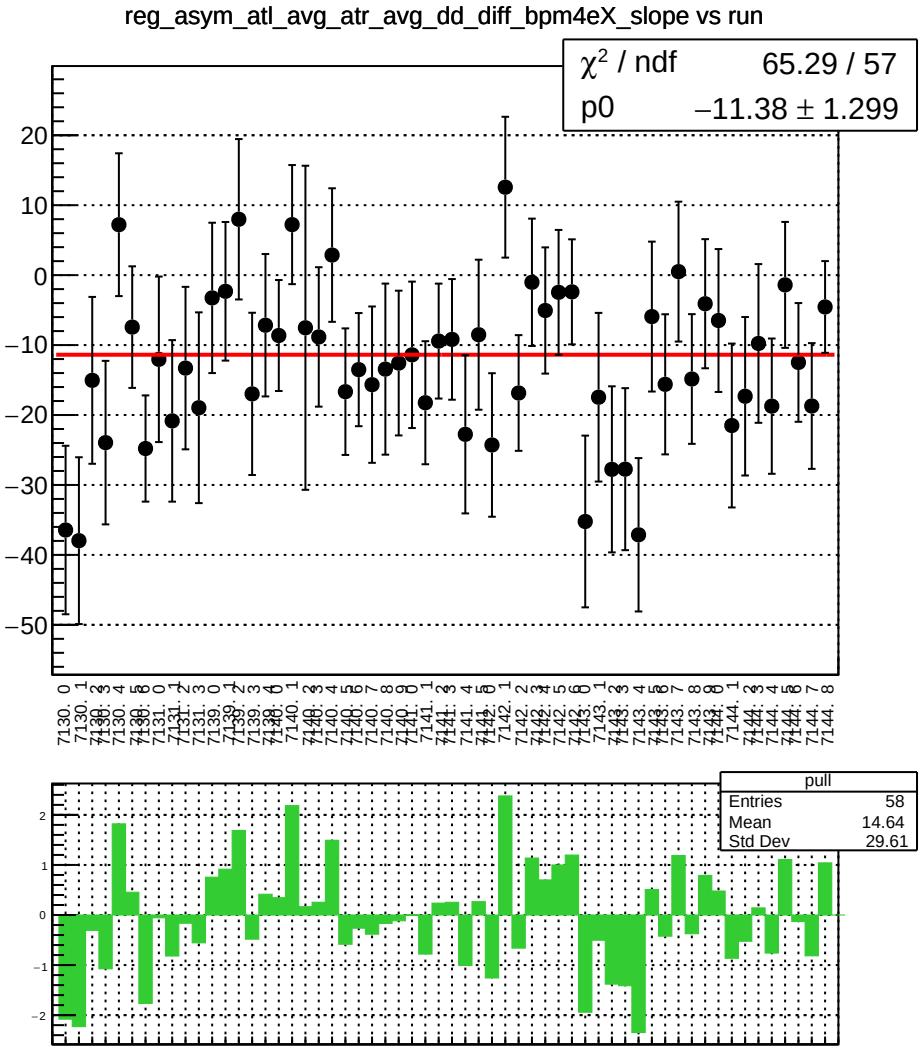

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 61.04 / 57
p0 −6.506 ± 1.276
pull
Entries 58
Mean 24.99
Std Dev 30.98

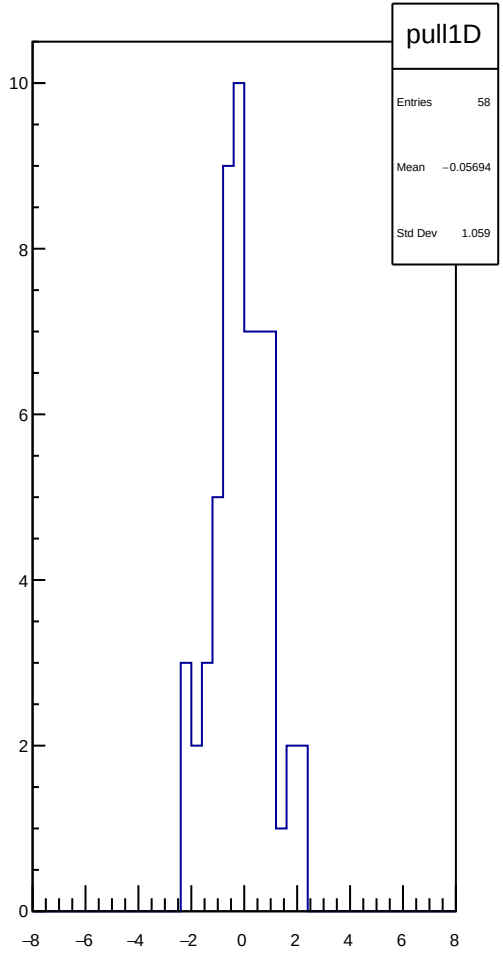

pull1D
Entries 58
Mean 0.05471
Std Dev 1.024

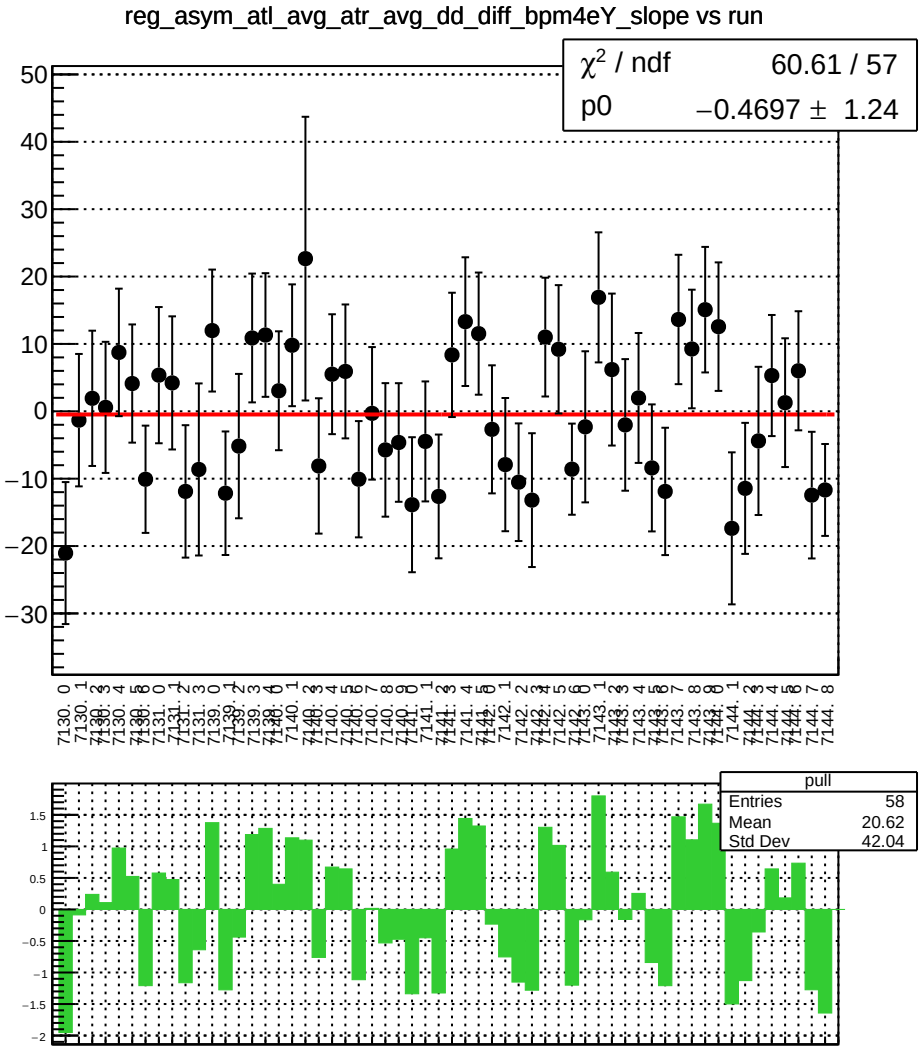
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run

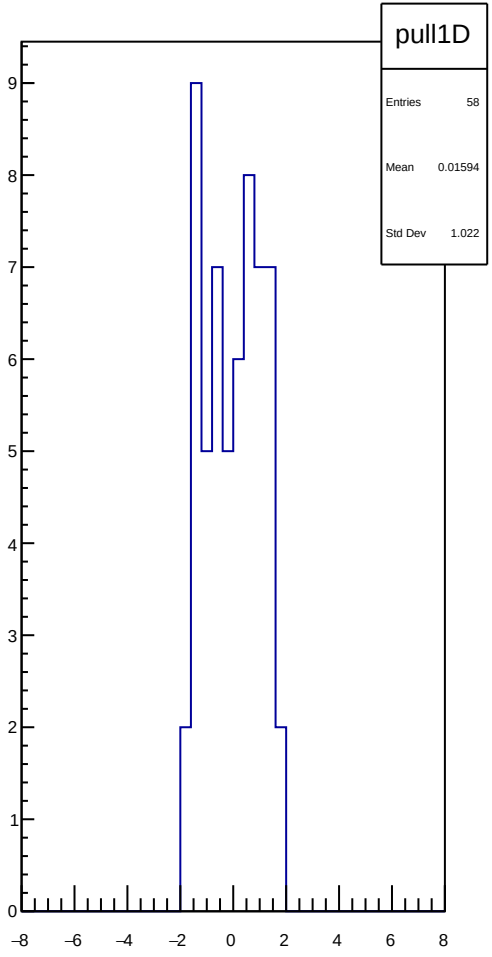




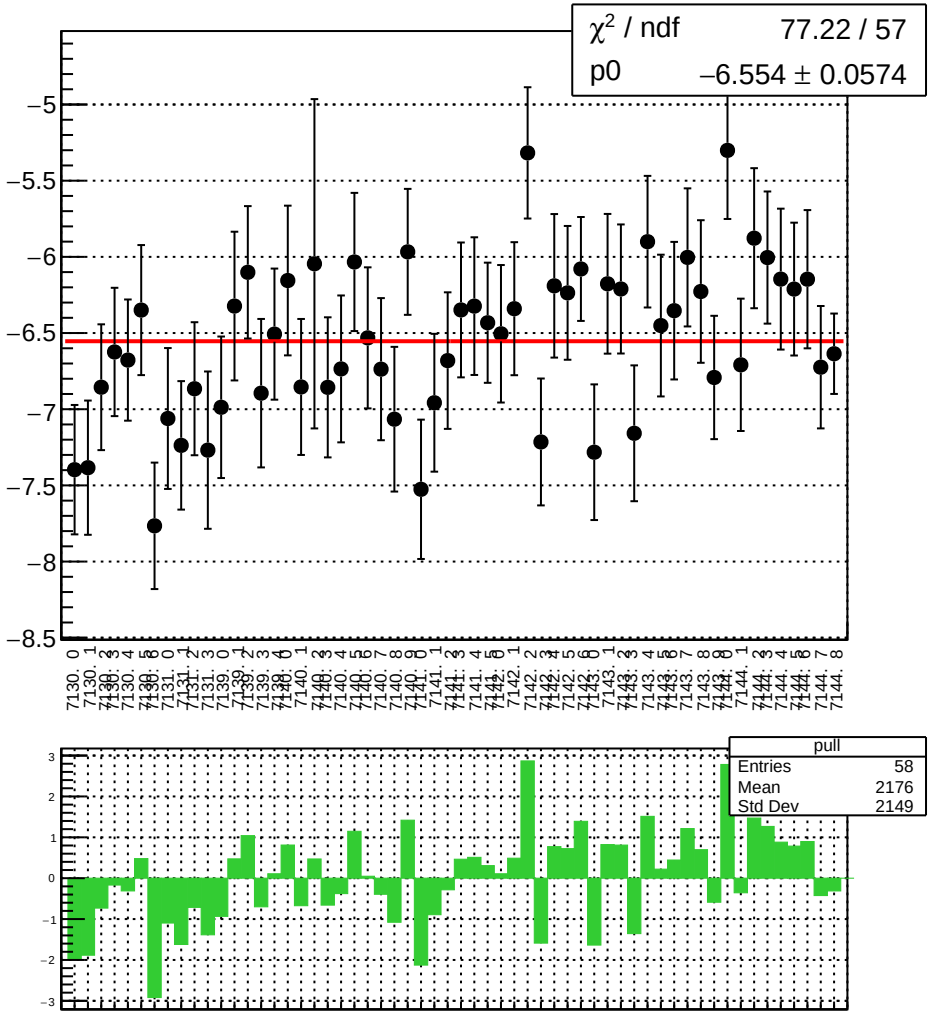

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.29 / 57
p0 −11.38 ± 1.299
pull
Entries 58
Mean 14.64
Std Dev 29.61

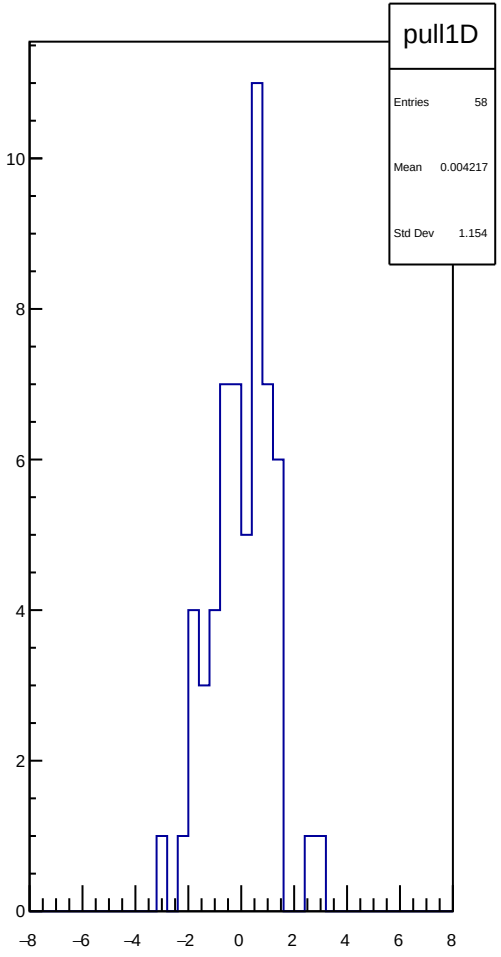

pull1D
Entries 58
Mean −0.05694
Std Dev 1.059

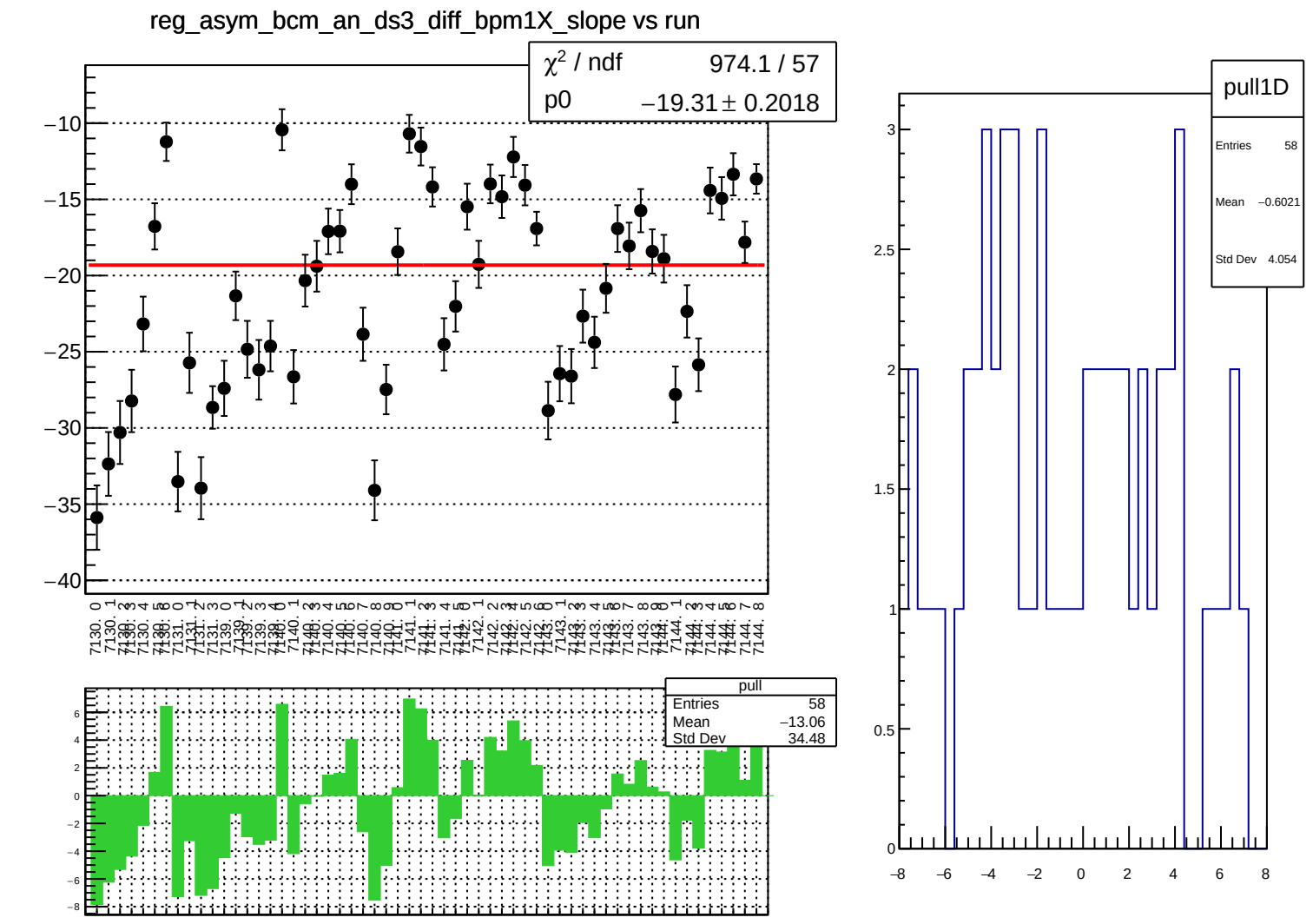

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.61 / 57
p0 −0.4697 ± 1.24
pull
Entries 58
Mean 20.62
Std Dev 42.04

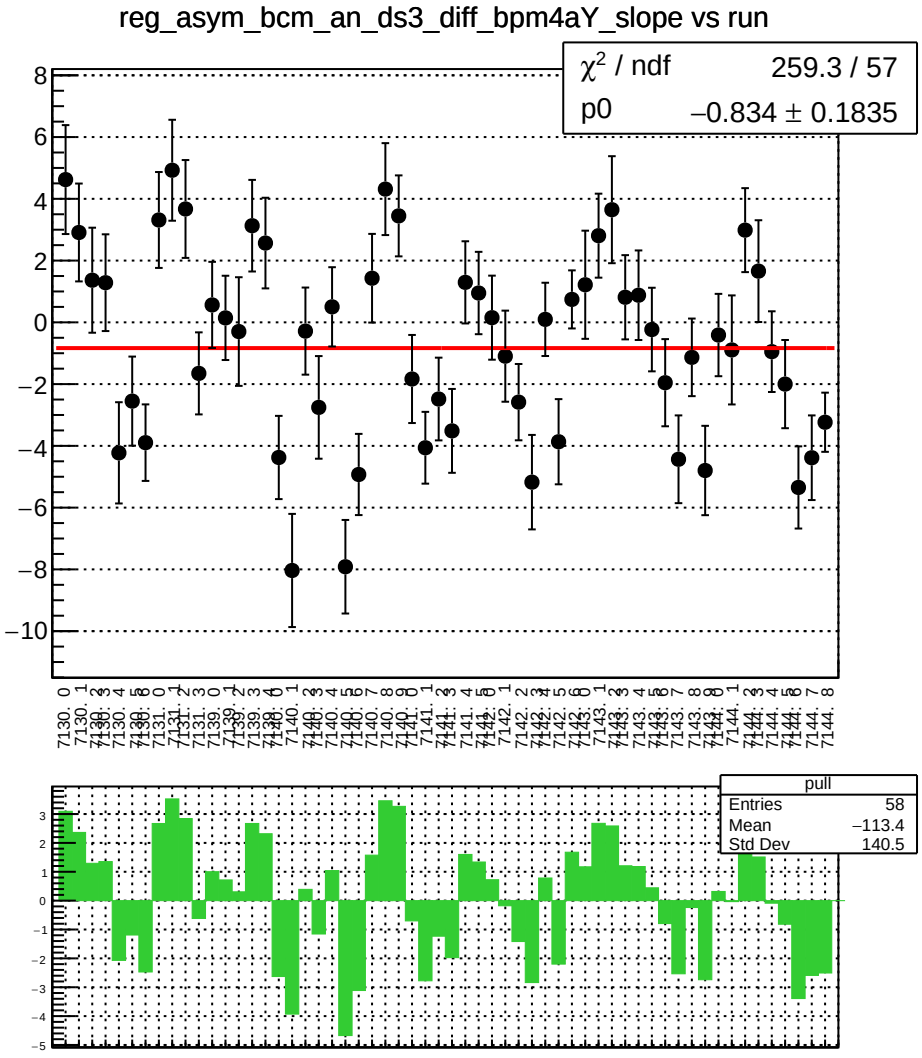

pull1D
Entries 58
Mean 0.01594
Std Dev 1.022

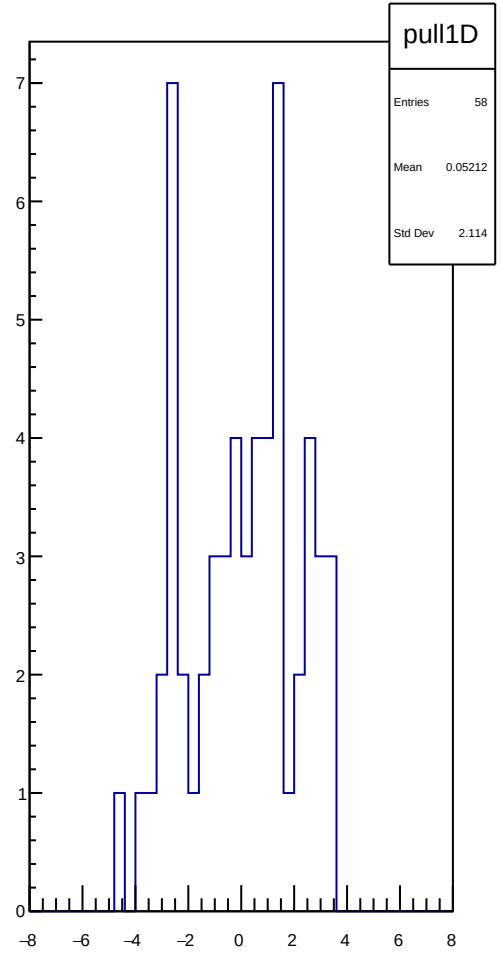
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

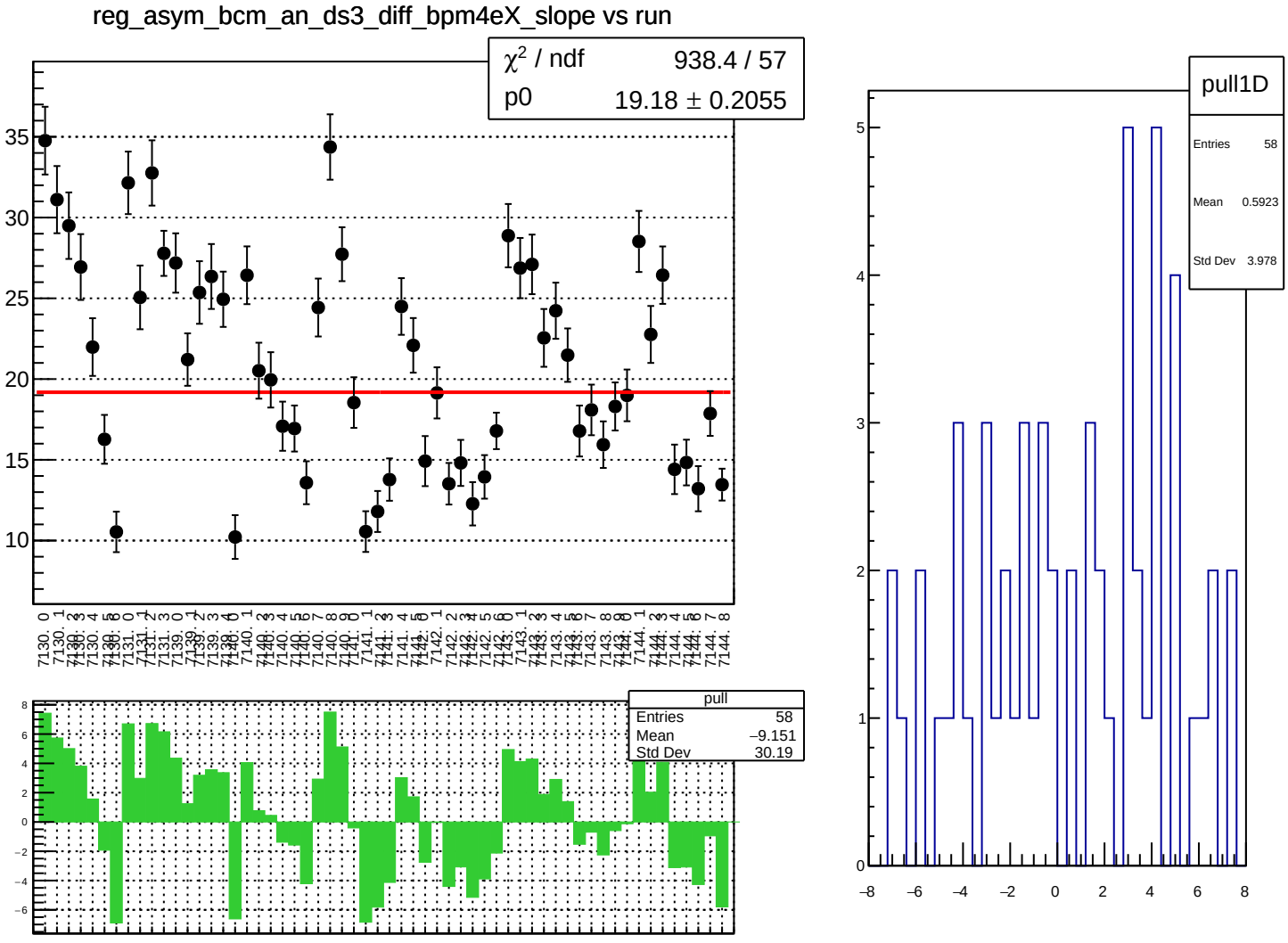


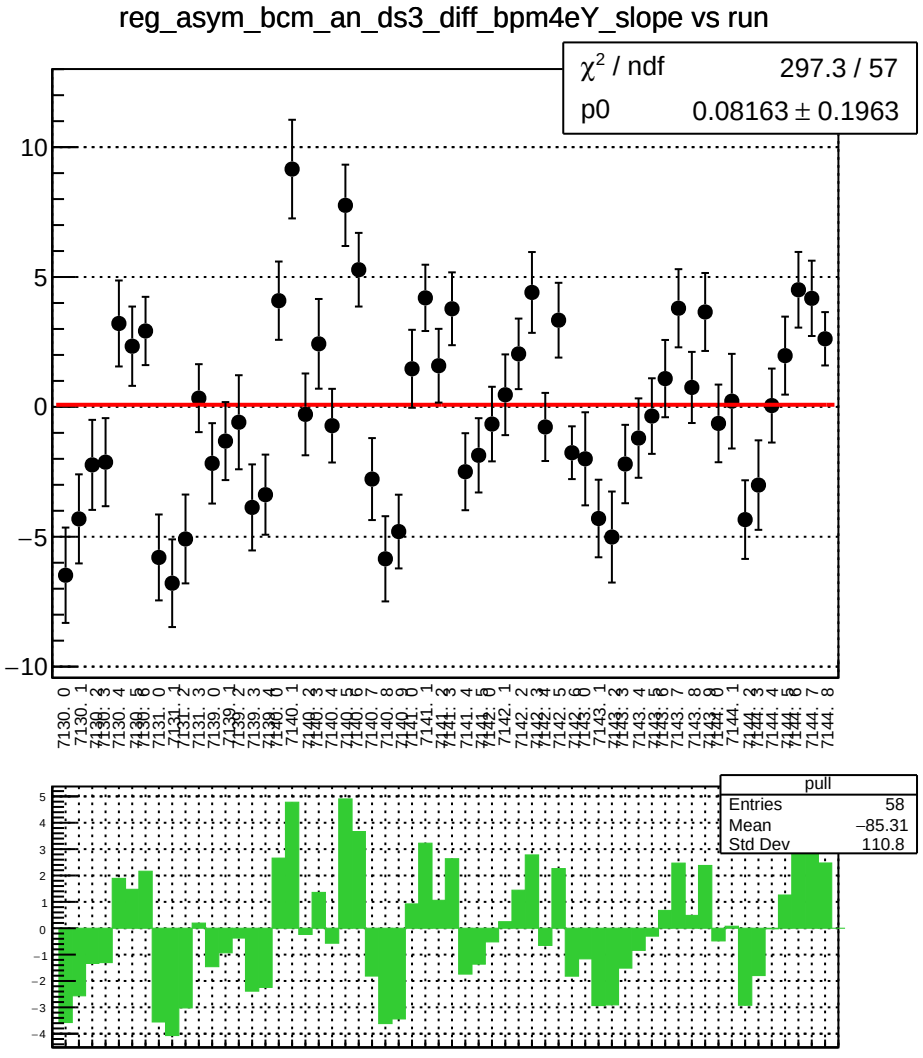


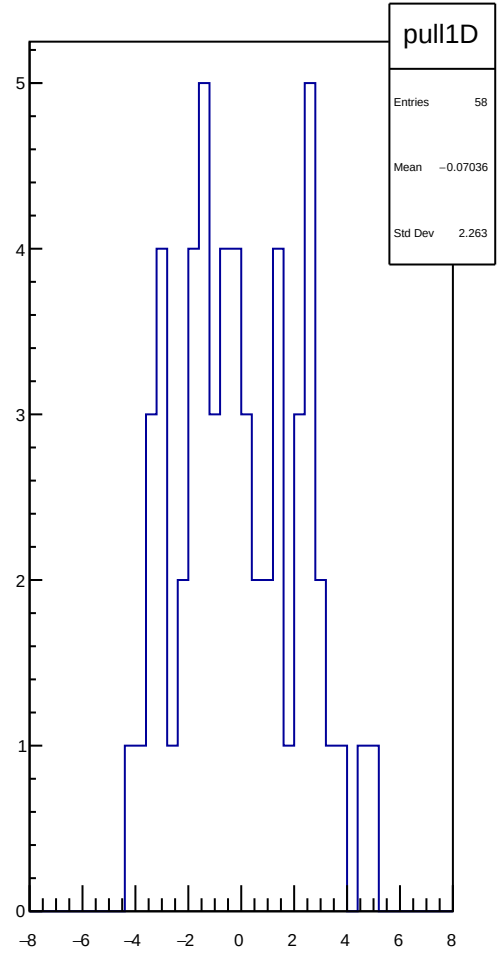

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 974.1 / 57
p0 −19.31 ± 0.2018
pull
Entries 58
Mean −13.06
Std Dev 34.48
pull1D
Entries 58
Mean −0.6021
Std Dev 4.054

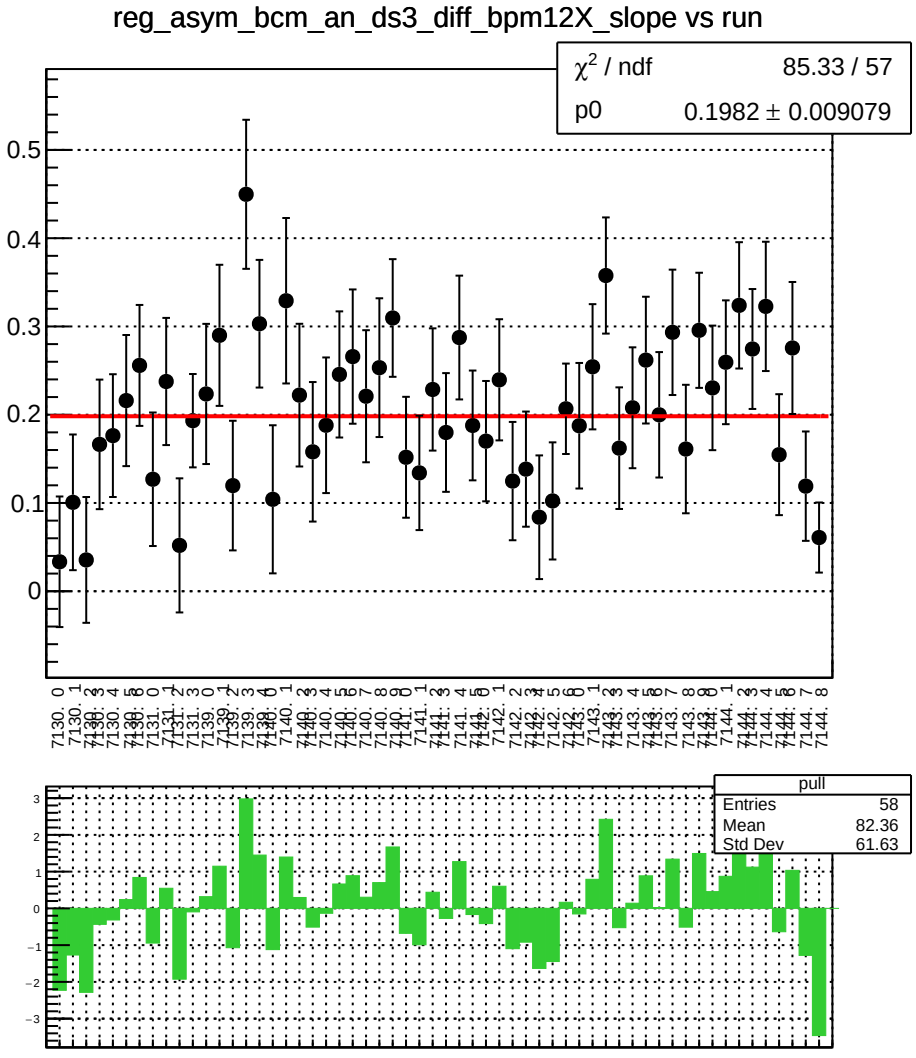

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 259.3 / 57
p0 −0.834 ± 0.1835
pull
Entries 58
Mean −113.4
Std Dev 140.5

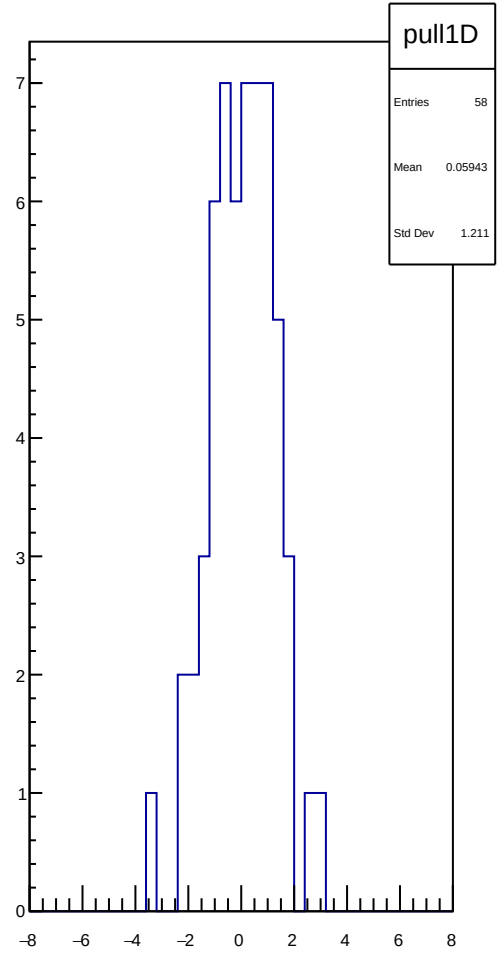

pull1D
Entries 58
Mean 0.05212
Std Dev 2.114

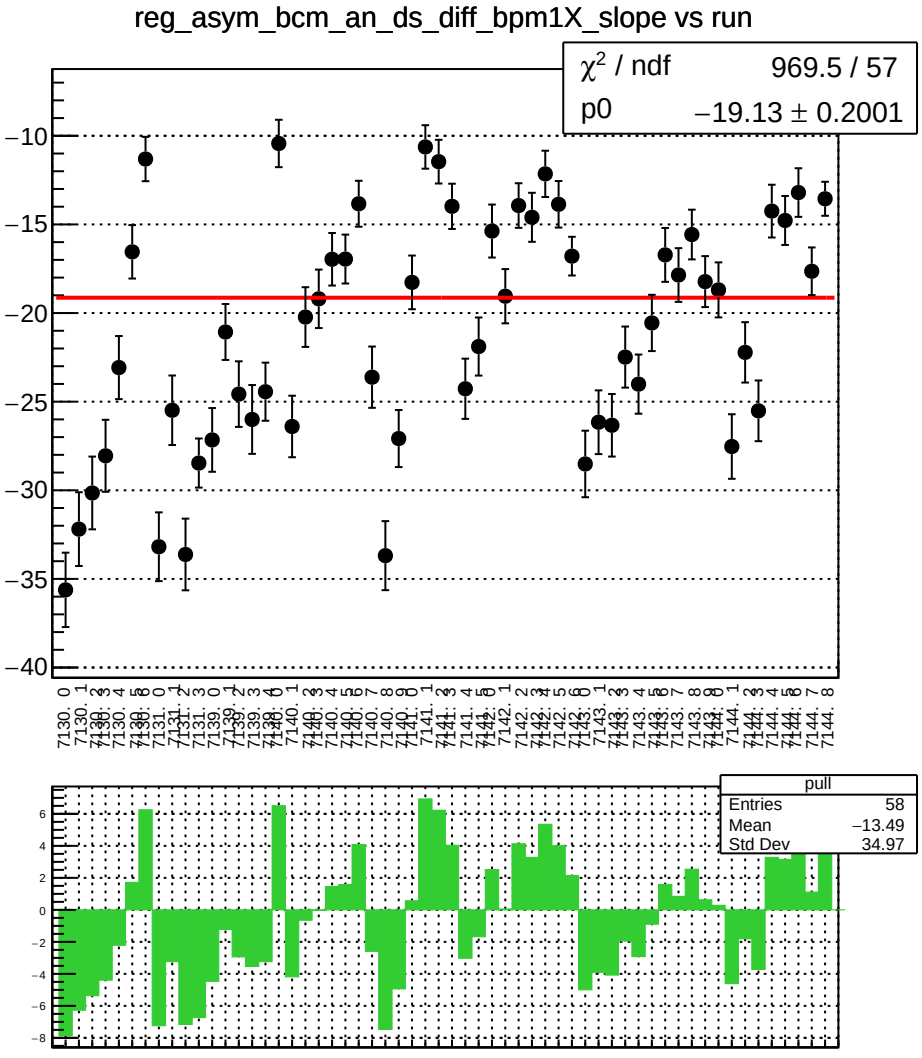

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 938.4 / 57
p0 19.18 ± 0.2055
pull
Entries 58
Mean −9.151
Std Dev 30.19
pull1D
Entries 58
Mean 0.5923
Std Dev 3.978

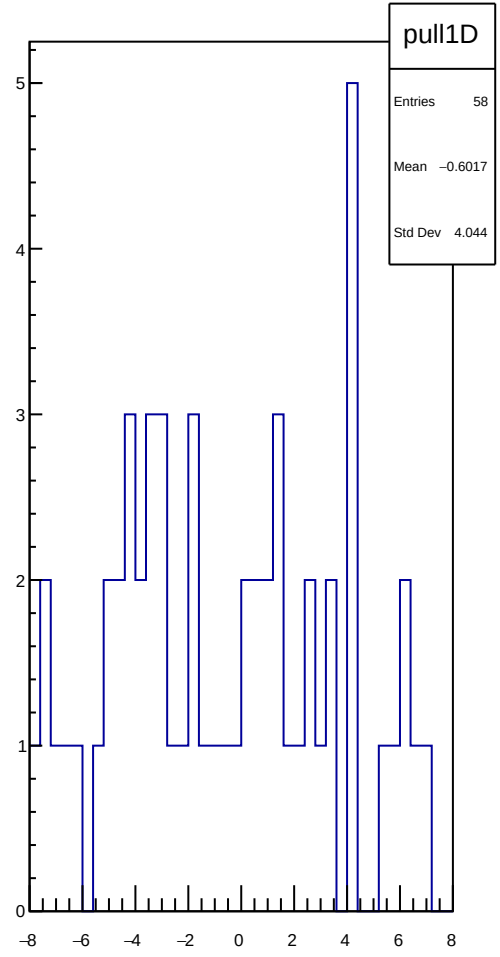

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 297.3 / 57
p0 0.08163 ± 0.1963
pull
Entries 58
Mean −85.31
Std Dev 110.8

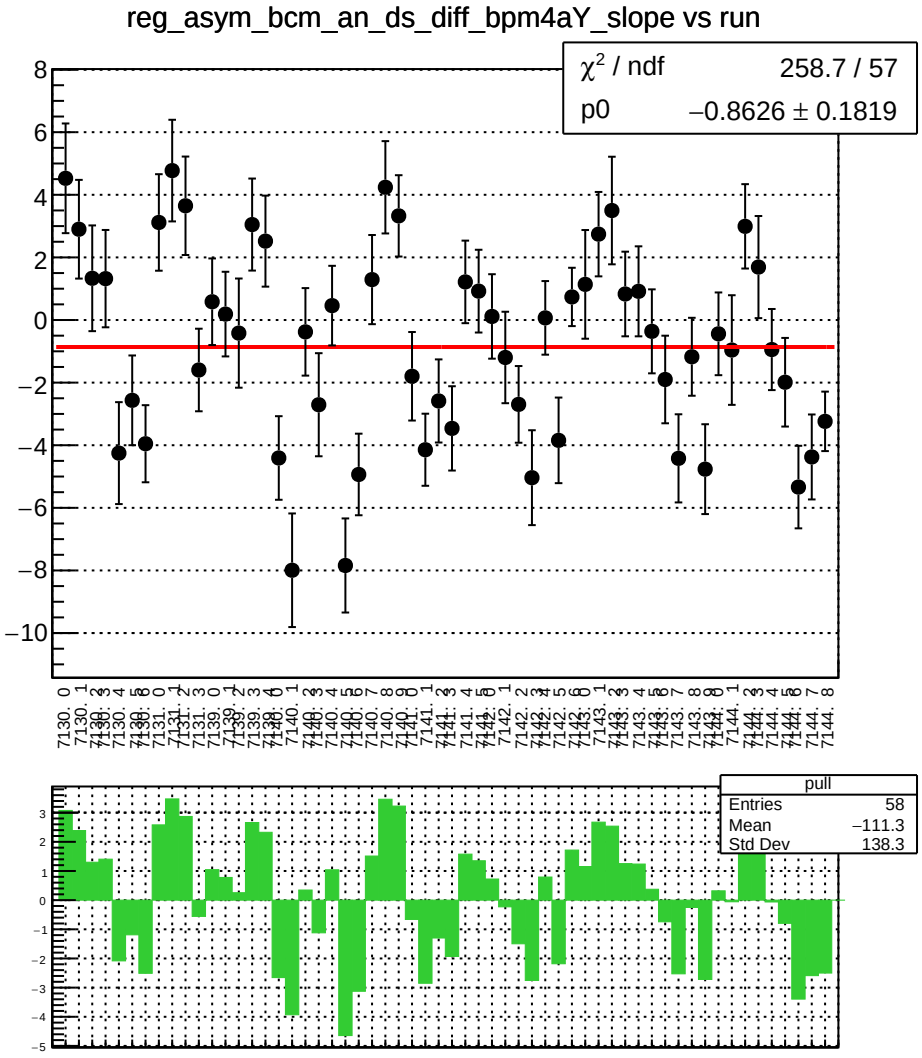

pull1D
Entries 58
Mean −0.07036
Std Dev 2.263

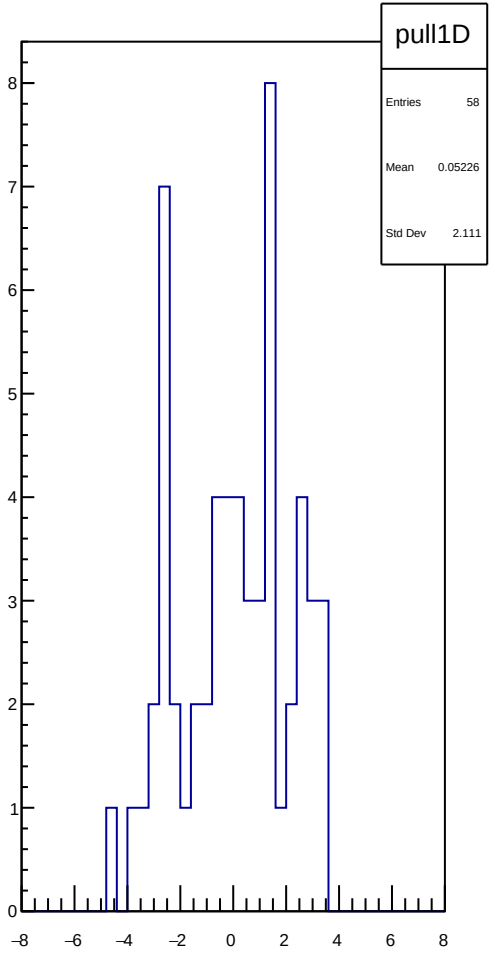

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ2 / ndf 85.33 / 57
p0 0.1982 ± 0.009079
pull
Entries 58
Mean 82.36
Std Dev 61.63


pull1D
Entries 58
Mean 0.05943
Std Dev 1.211

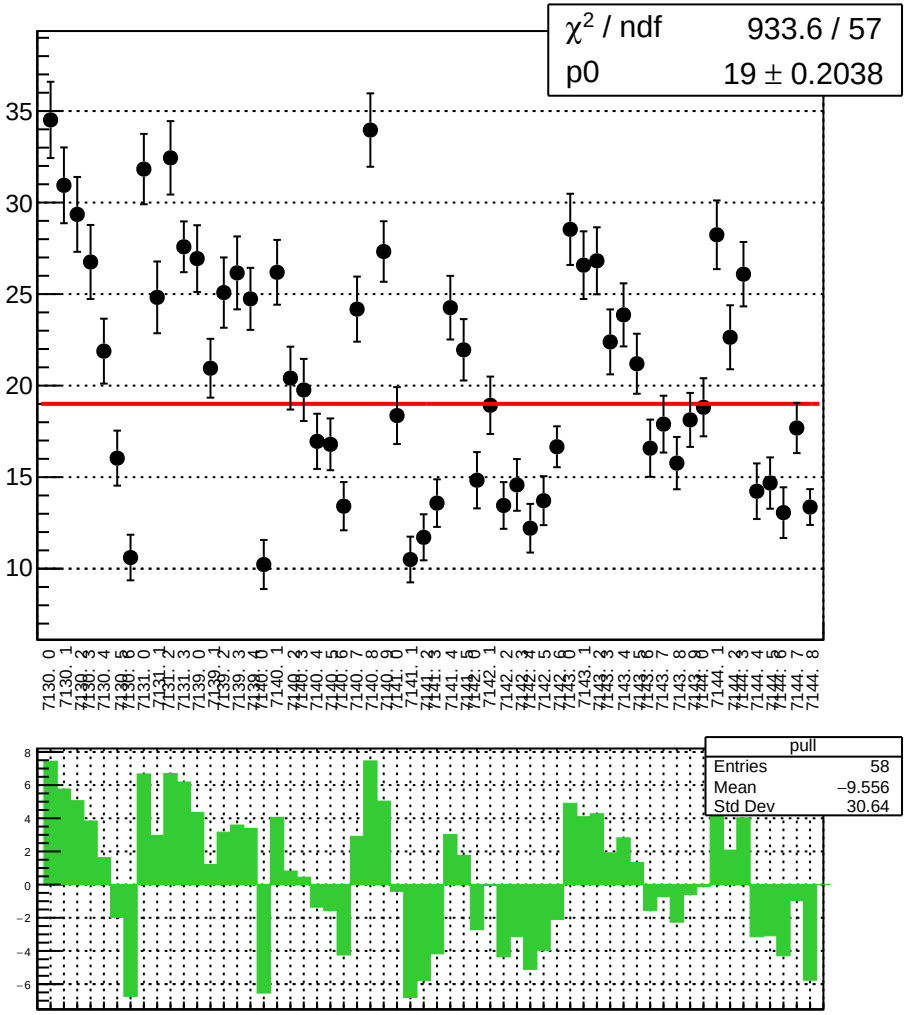

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 969.5 / 57
p0 −19.13 ± 0.2001
pull
Entries 58
Mean −13.49
Std Dev 34.97

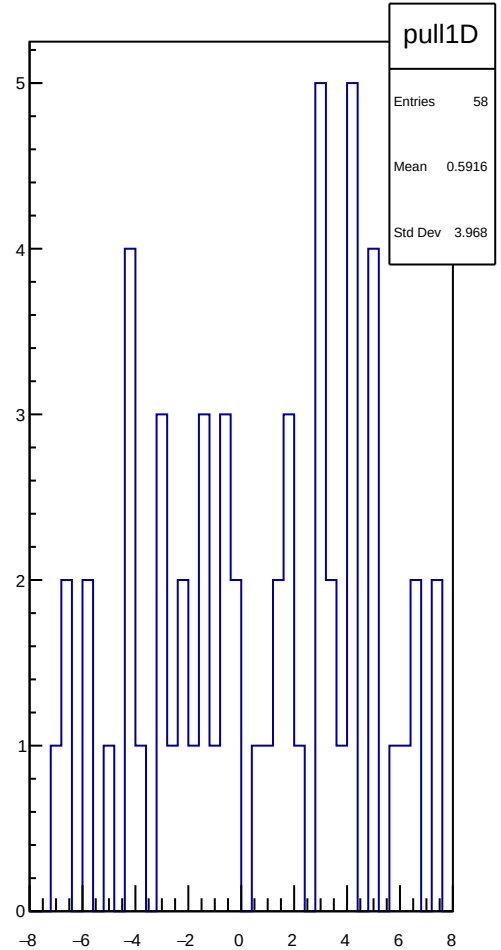

pull1D
Entries 58
Mean −0.6017
Std Dev 4.044

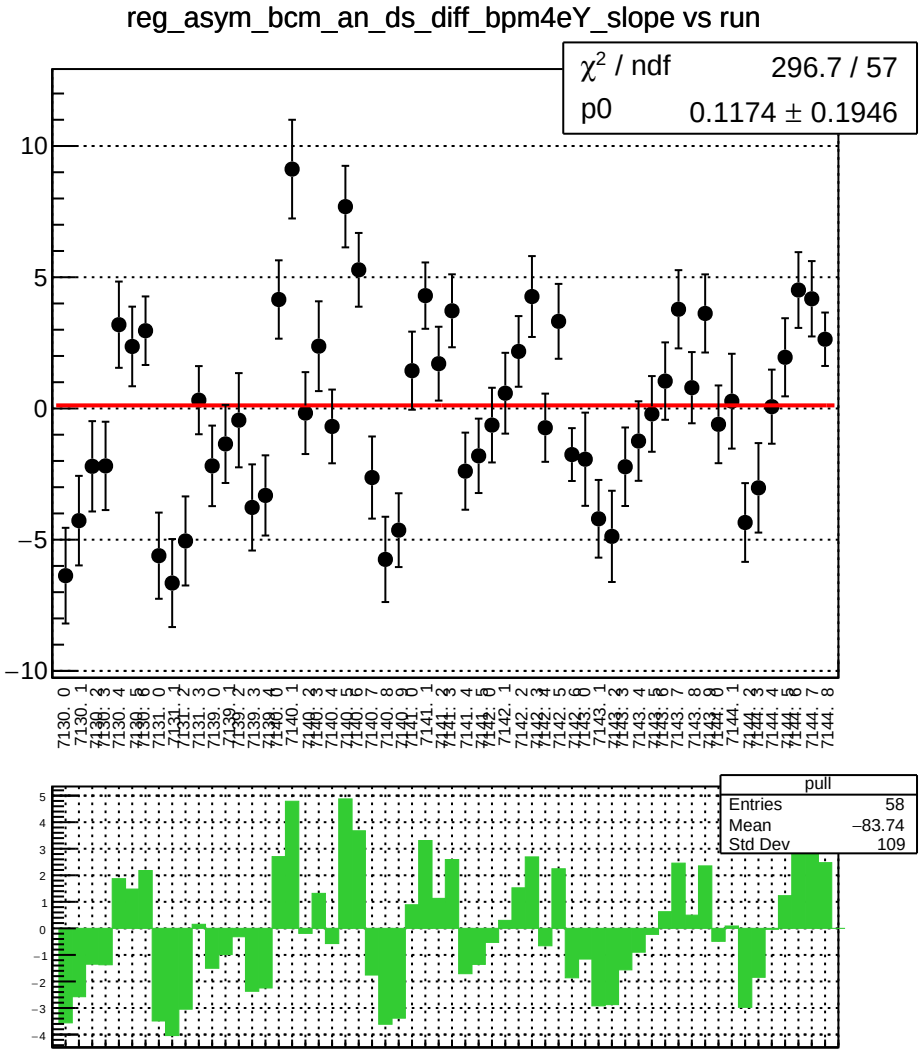

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 258.7 / 57
p0 −0.8626 ± 0.1819
pull
Entries 58
Mean −111.3
Std Dev 138.3

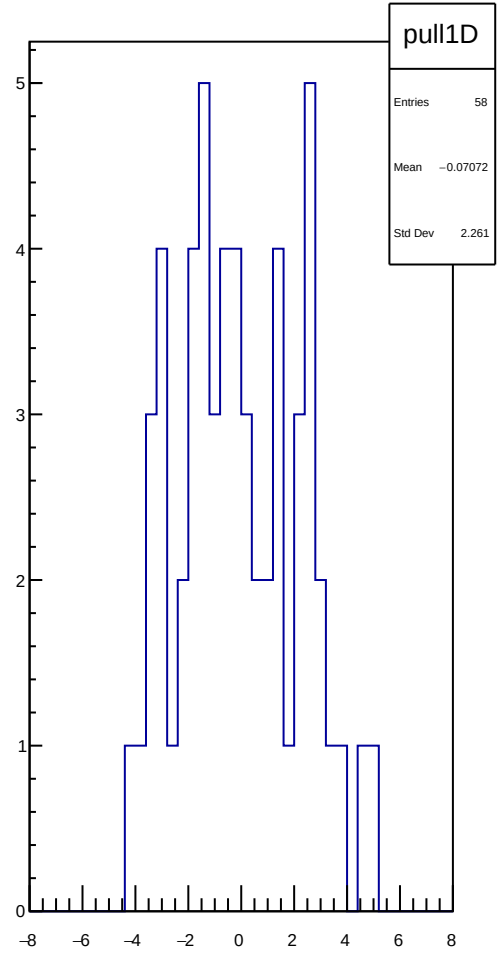

pull1D
Entries 58
Mean 0.05226
Std Dev 2.111

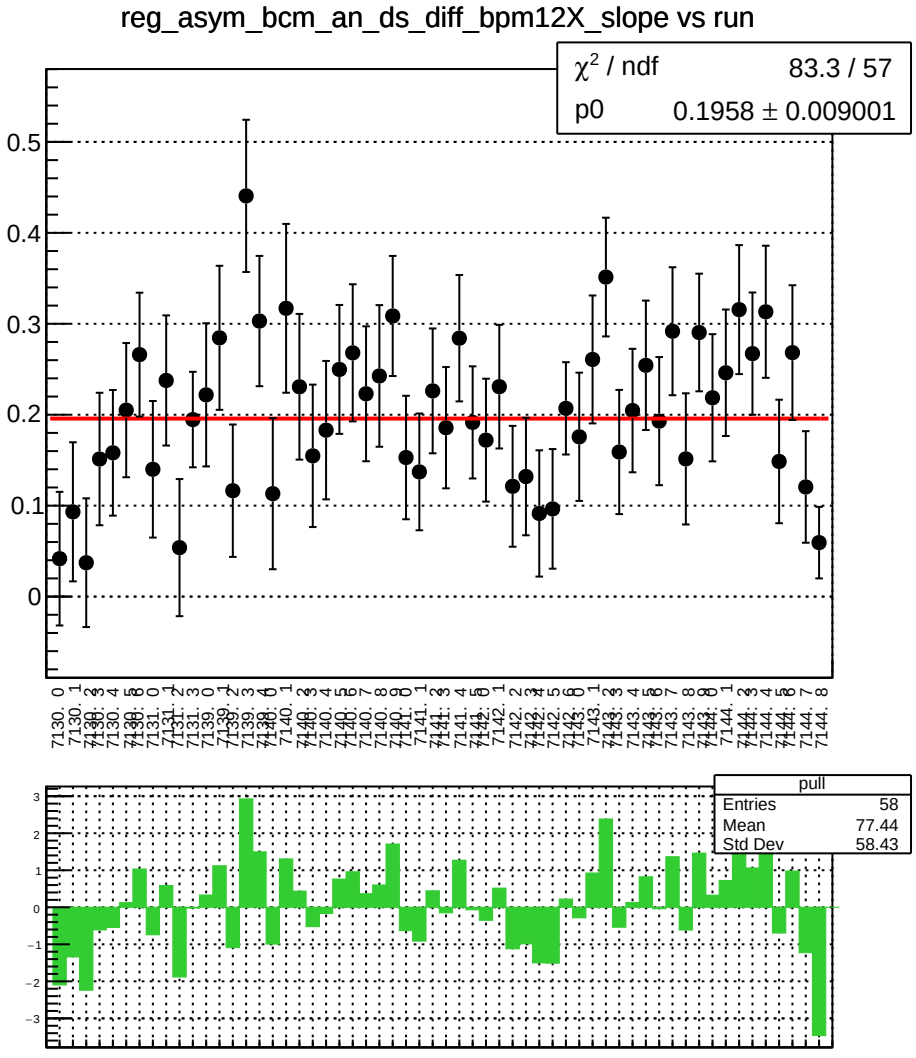
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run

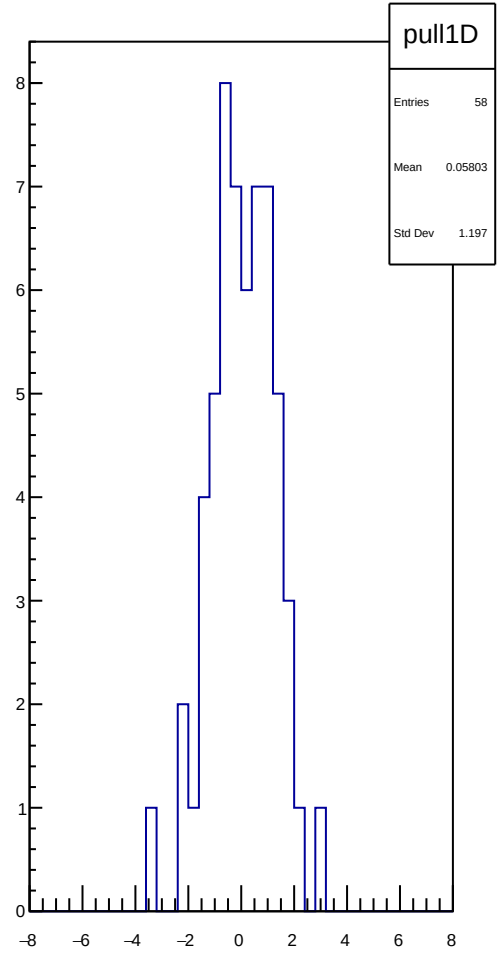


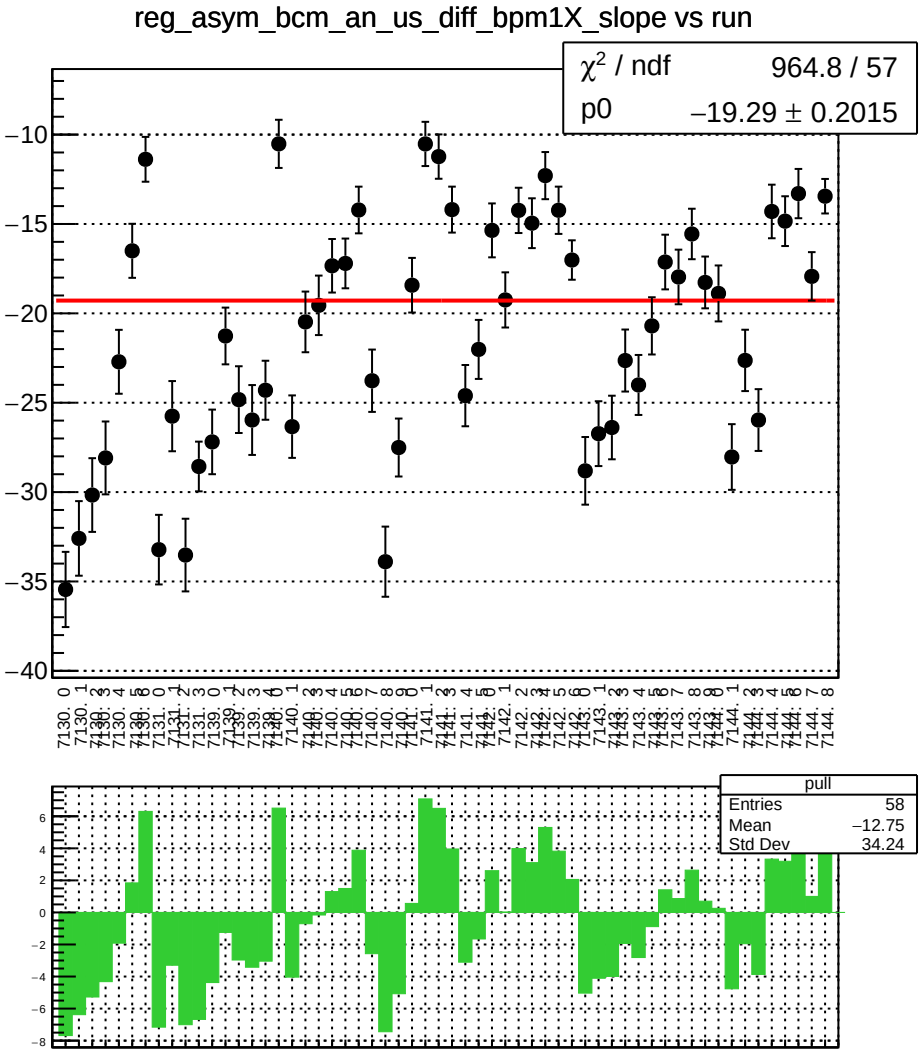


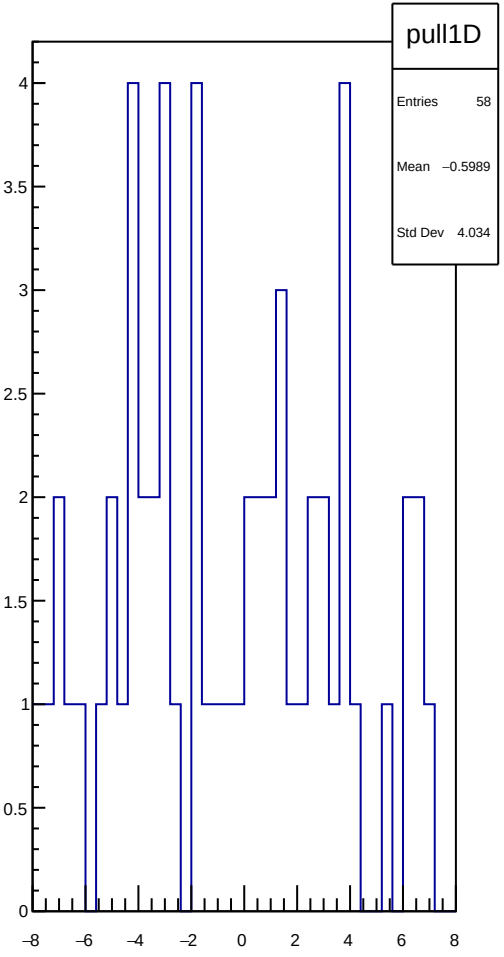

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 296.7 / 57
p0 0.1174 ± 0.1946
pull
Entries 58
Mean −83.74
Std Dev 109

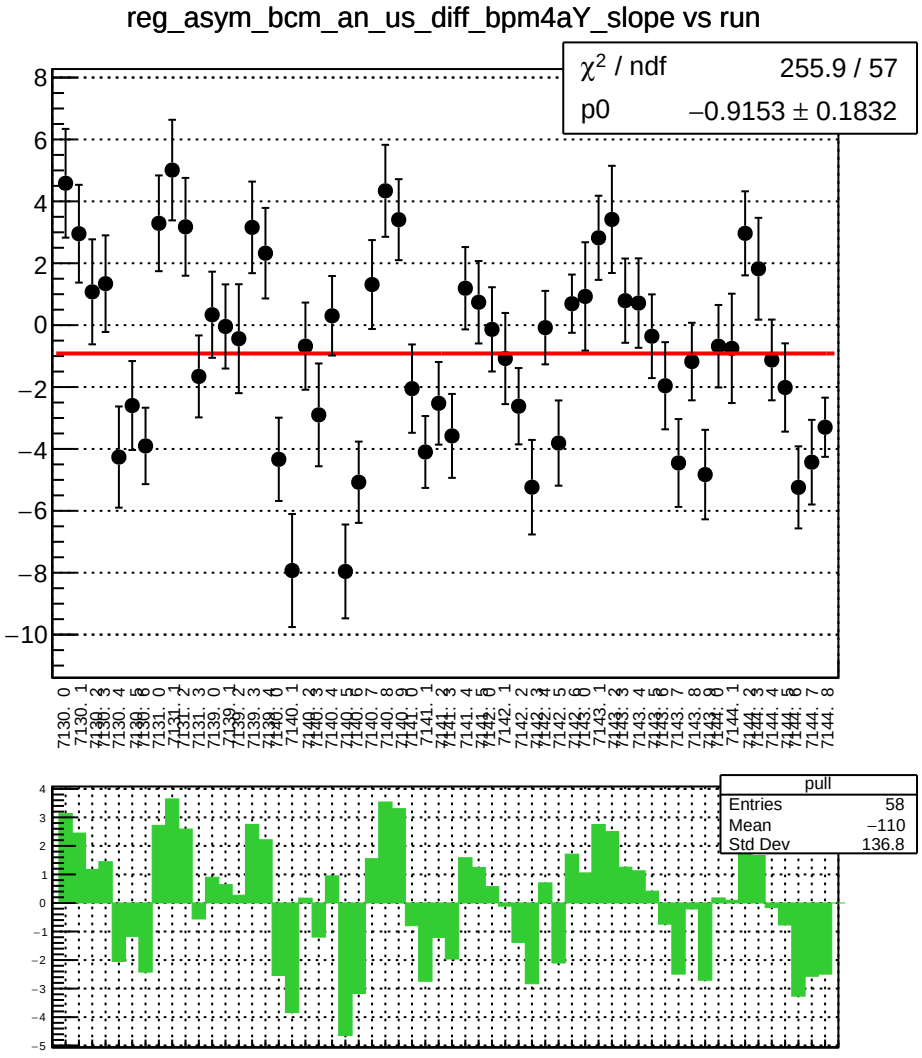

pull1D
Entries 58
Mean −0.07072
Std Dev 2.261

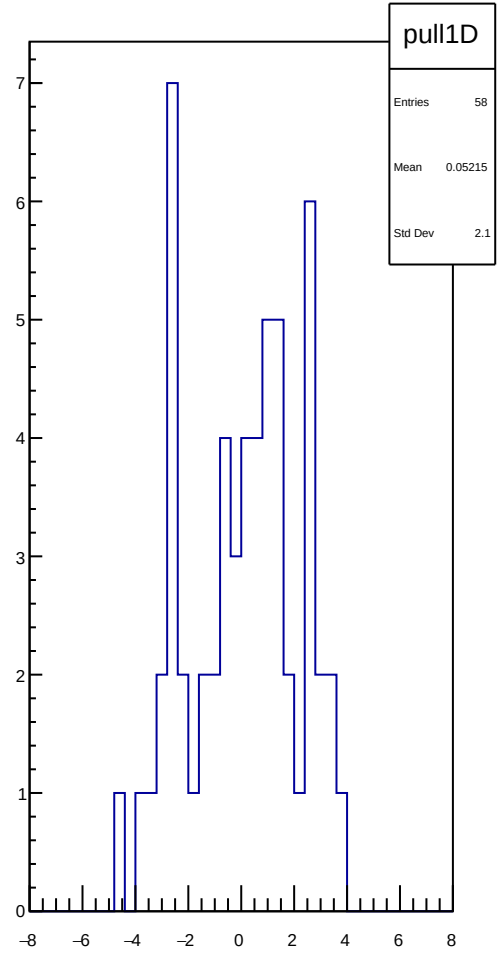

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 83.3 / 57
p0 0.1958 ± 0.009001
pull
Entries 58
Mean 77.44
Std Dev 58.43

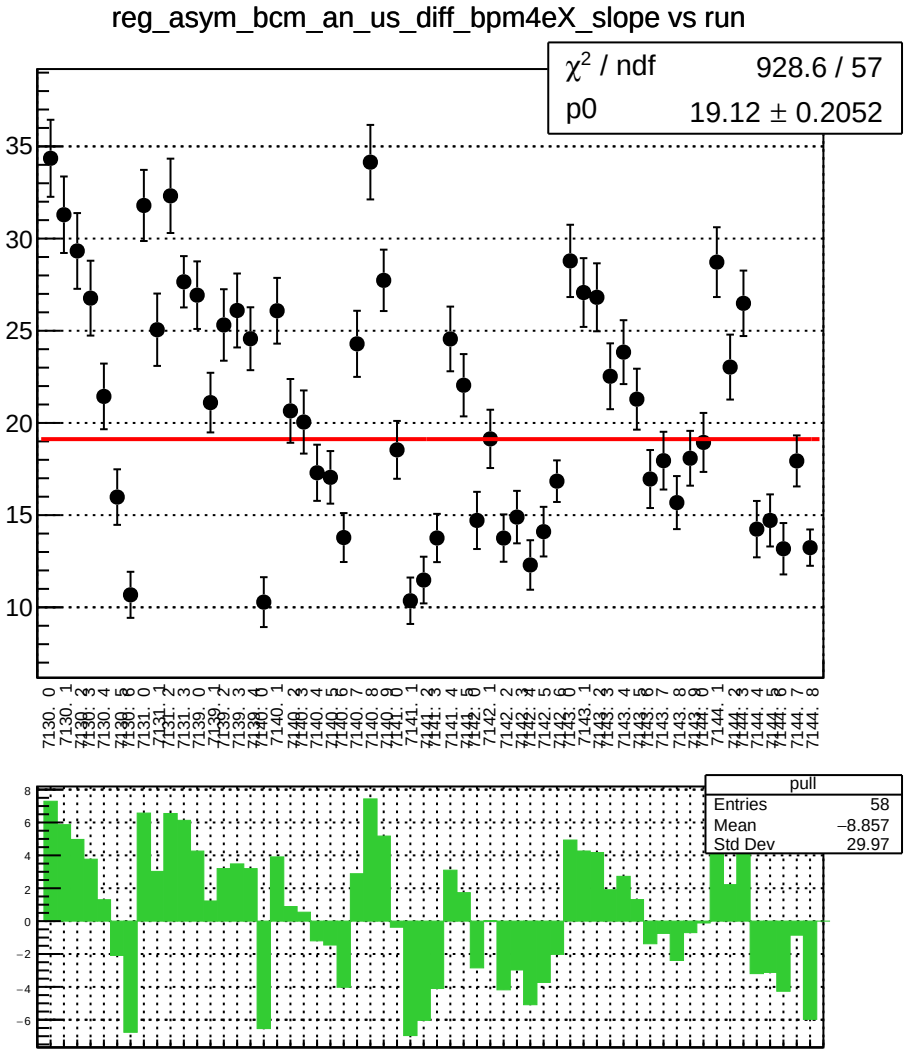

pull1D
Entries 58
Mean 0.05803
Std Dev 1.197

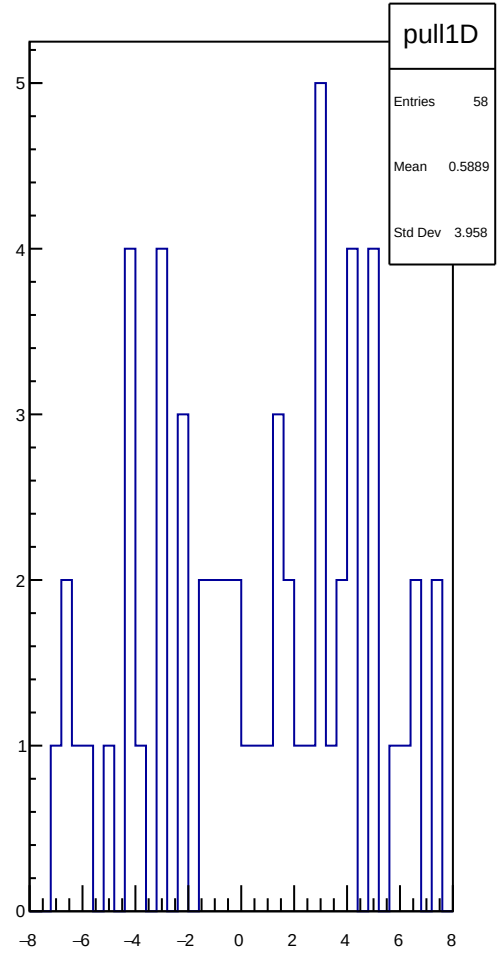

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 964.8 / 57
p0 −19.29 ± 0.2015
pull
Entries 58
Mean −12.75
Std Dev 34.24

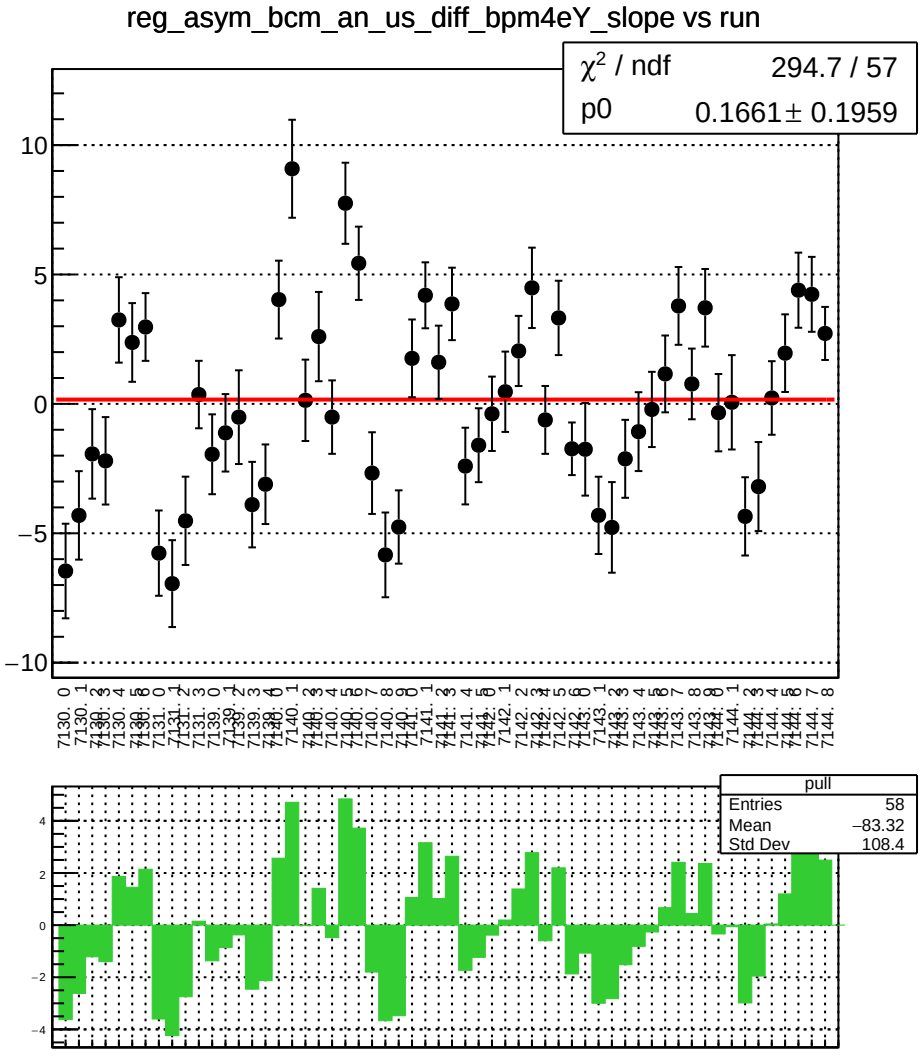

pull1D
Entries 58
Mean −0.5989
Std Dev 4.034

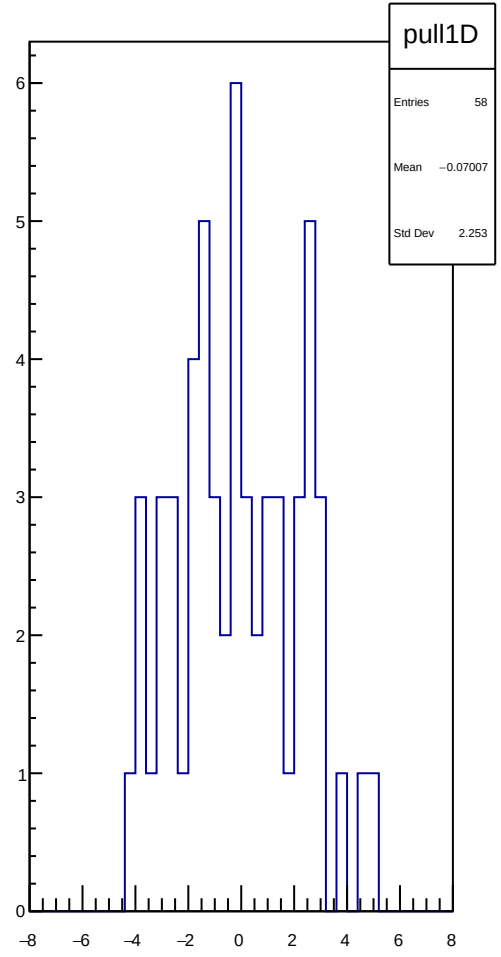

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 255.9 / 57
p0 −0.9153 ± 0.1832
pull
Entries 58
Mean −110
Std Dev 136.8

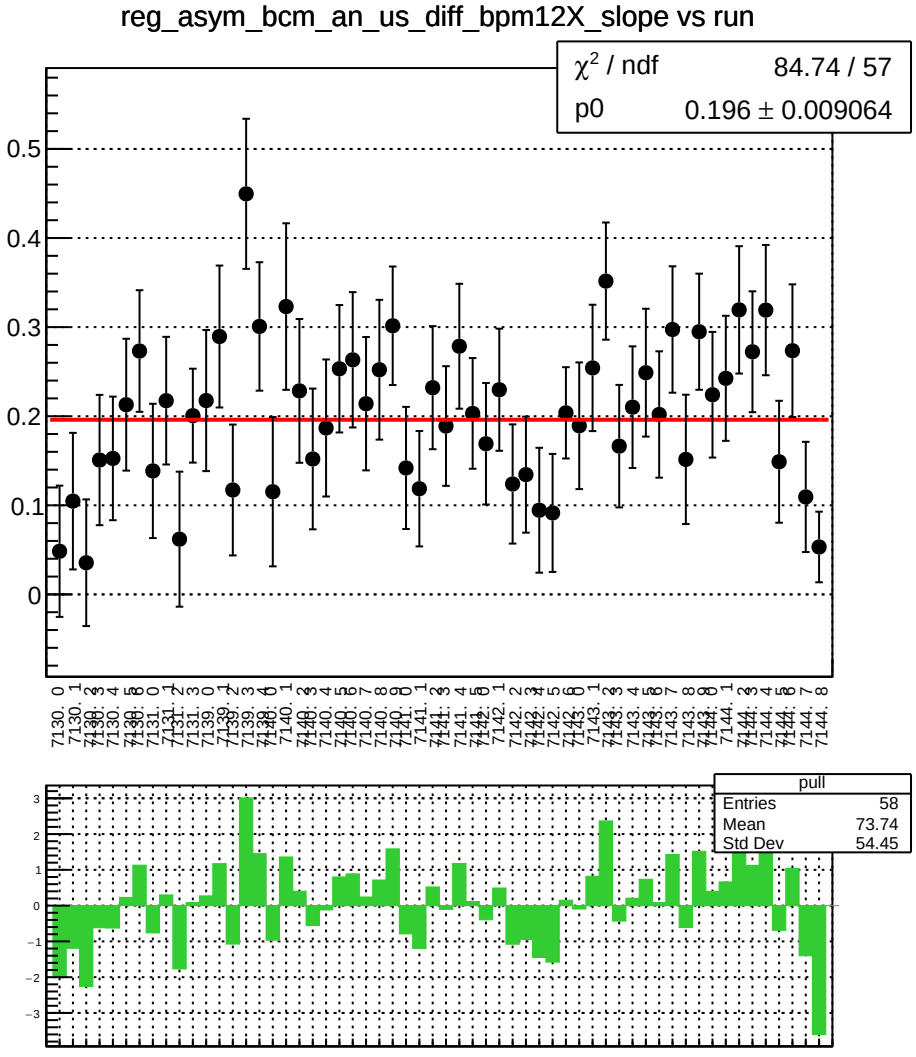

pull1D
Entries 58
Mean 0.05215
Std Dev 2.1

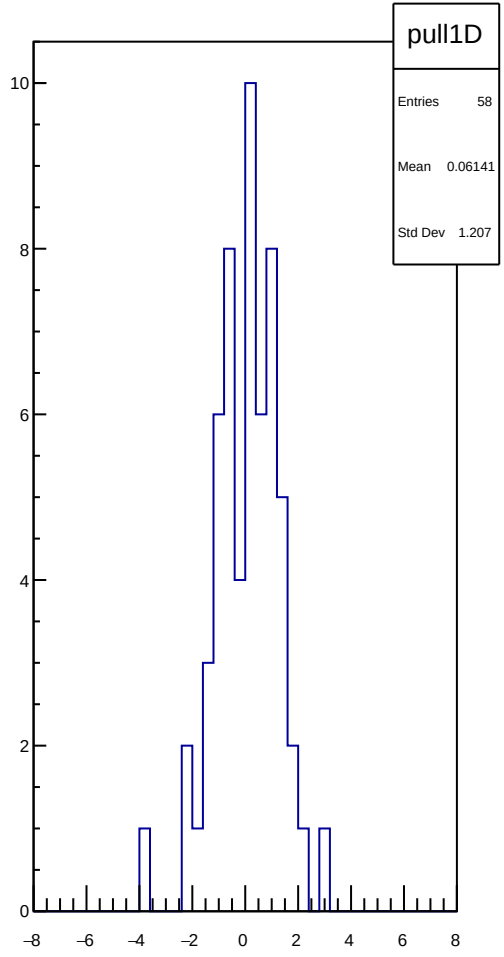

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 928.6 / 57
p0 19.12 ± 0.2052
pull
Entries 58
Mean −8.857
Std Dev 29.97

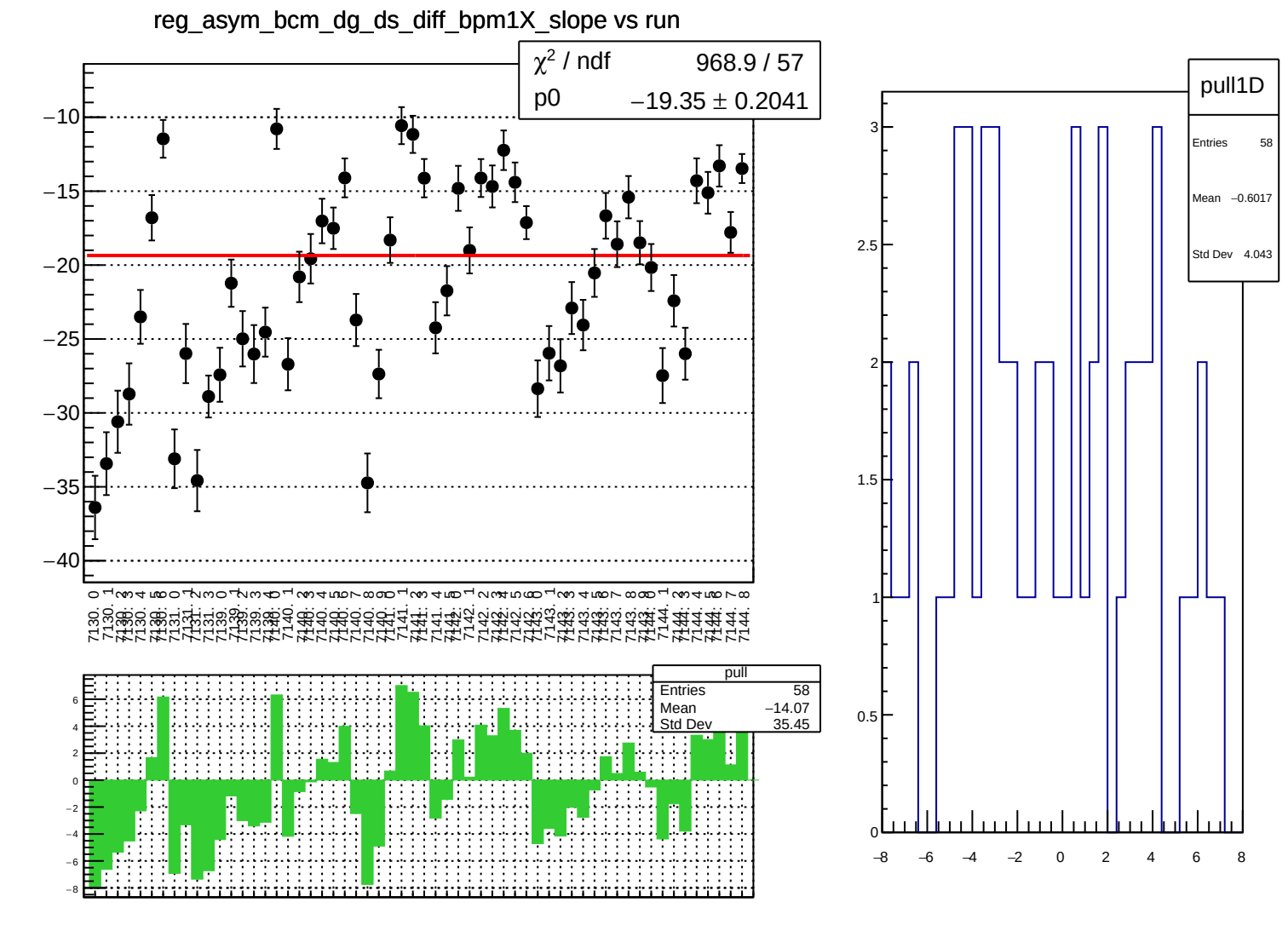

pull1D
Entries 58
Mean 0.5889
Std Dev 3.958

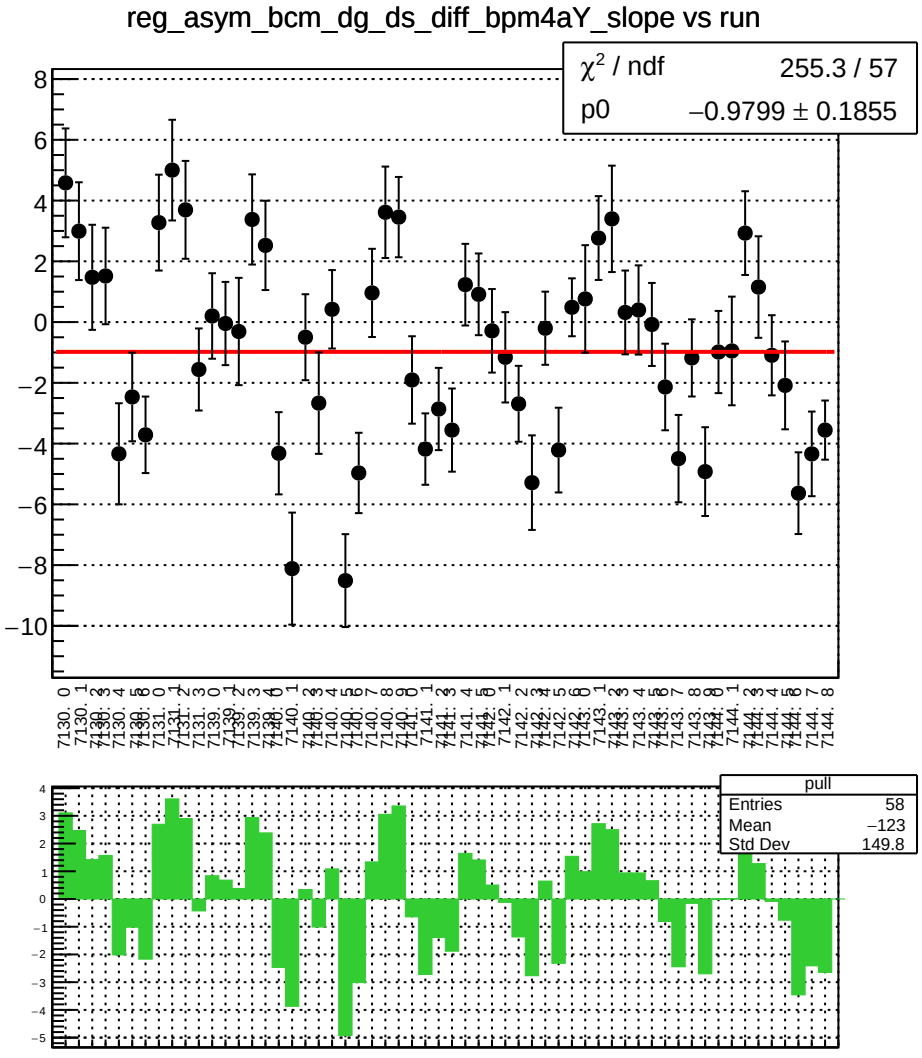

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 294.7 / 57
p0 0.1661 ± 0.1959
pull
Entries 58
Mean −83.32
Std Dev 108.4

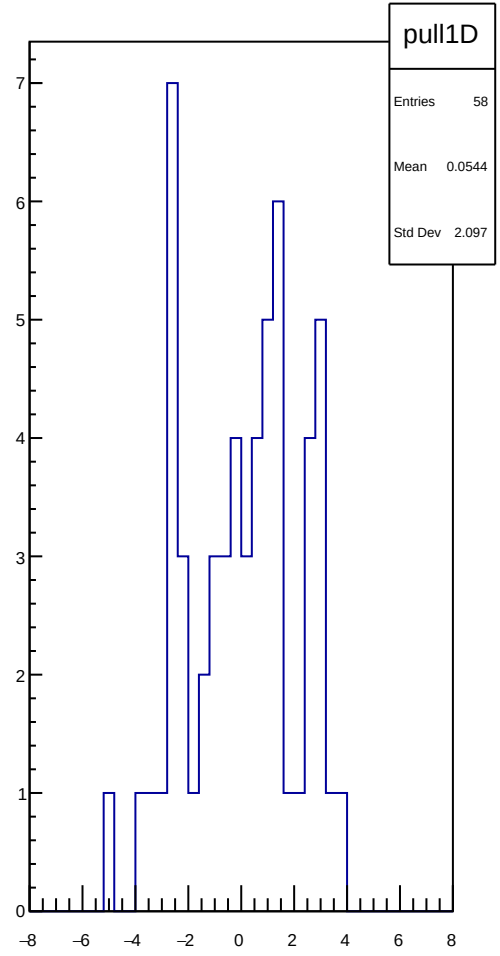

pull1D
Entries 58
Mean −0.07007
Std Dev 2.253

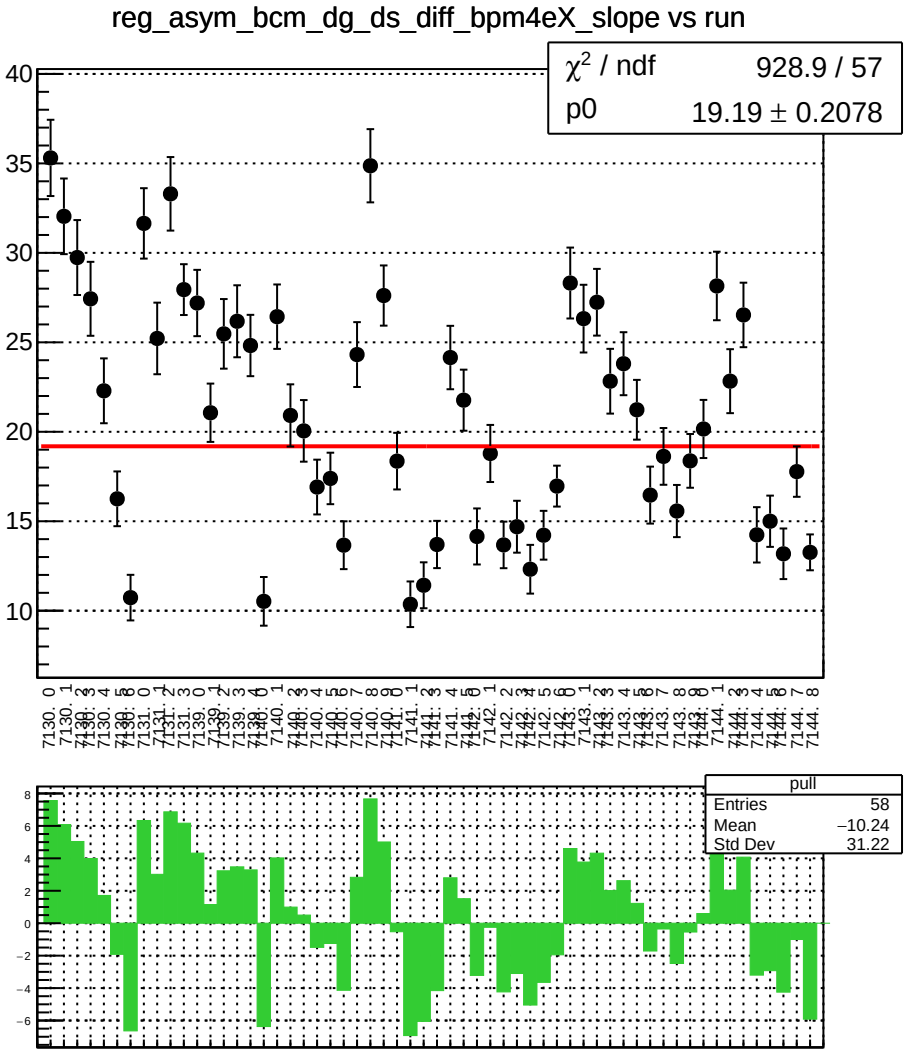

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 84.74 / 57
p0 0.196 ± 0.009064
pull
Entries 58
Mean 73.74
Std Dev 54.45

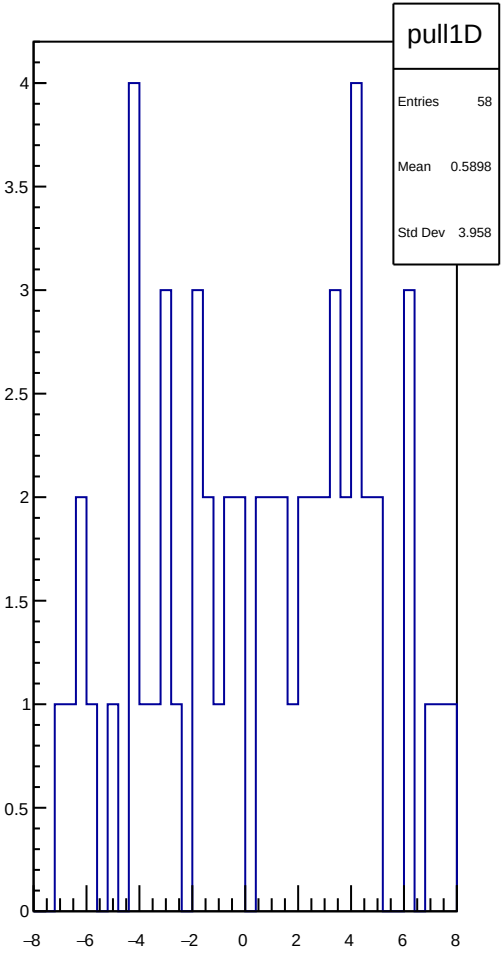

pull1D
Entries 58
Mean 0.06141
Std Dev 1.207

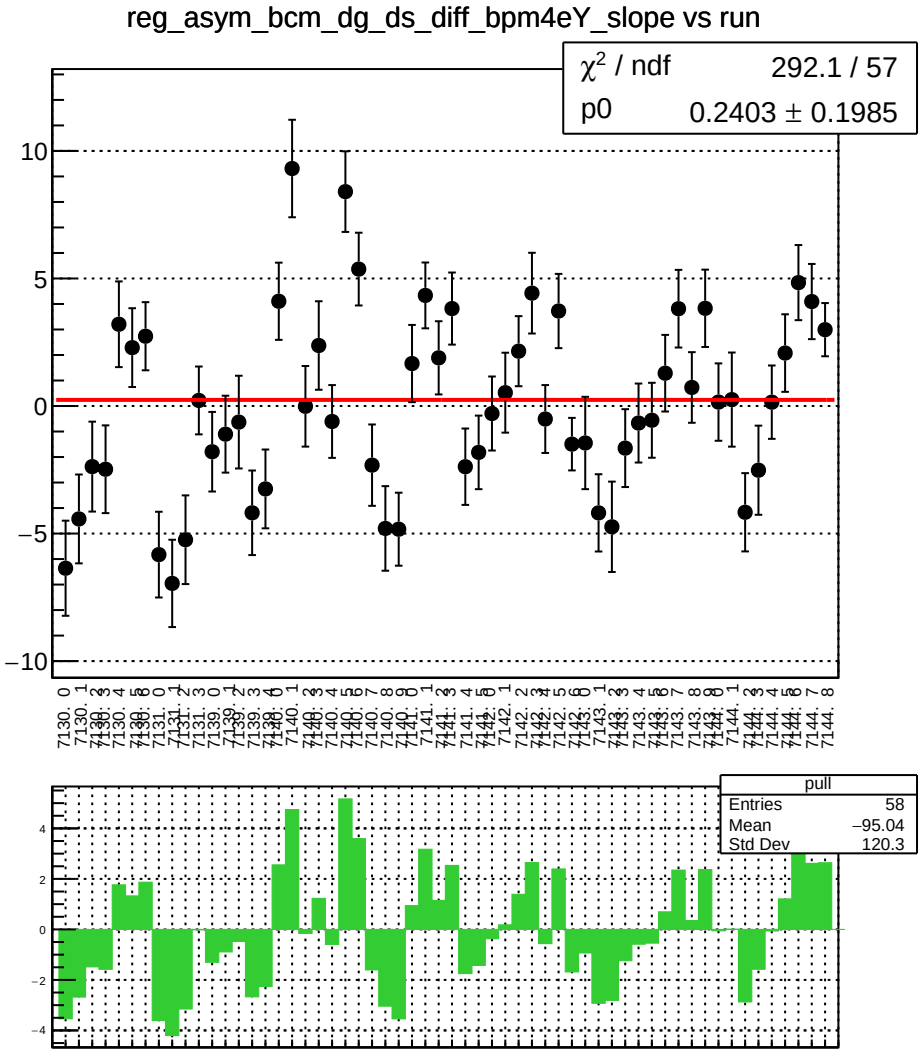

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 968.9 / 57
p0 −19.35 ± 0.2041
pull
Entries 58
Mean −14.07
Std Dev 35.45
pull1D
Entries 58
Mean −0.6017
Std Dev 4.043

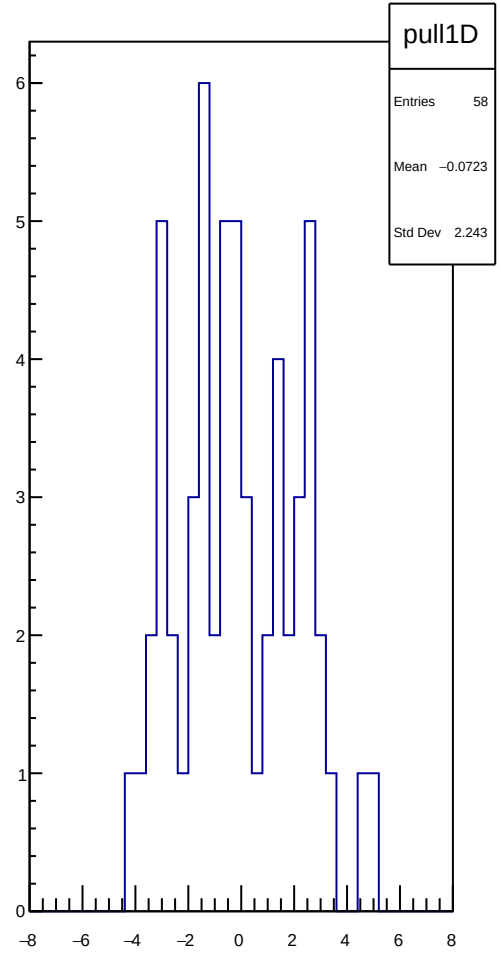

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 255.3 / 57
p0 −0.9799 ± 0.1855
pull
Entries 58
Mean −123
Std Dev 149.8

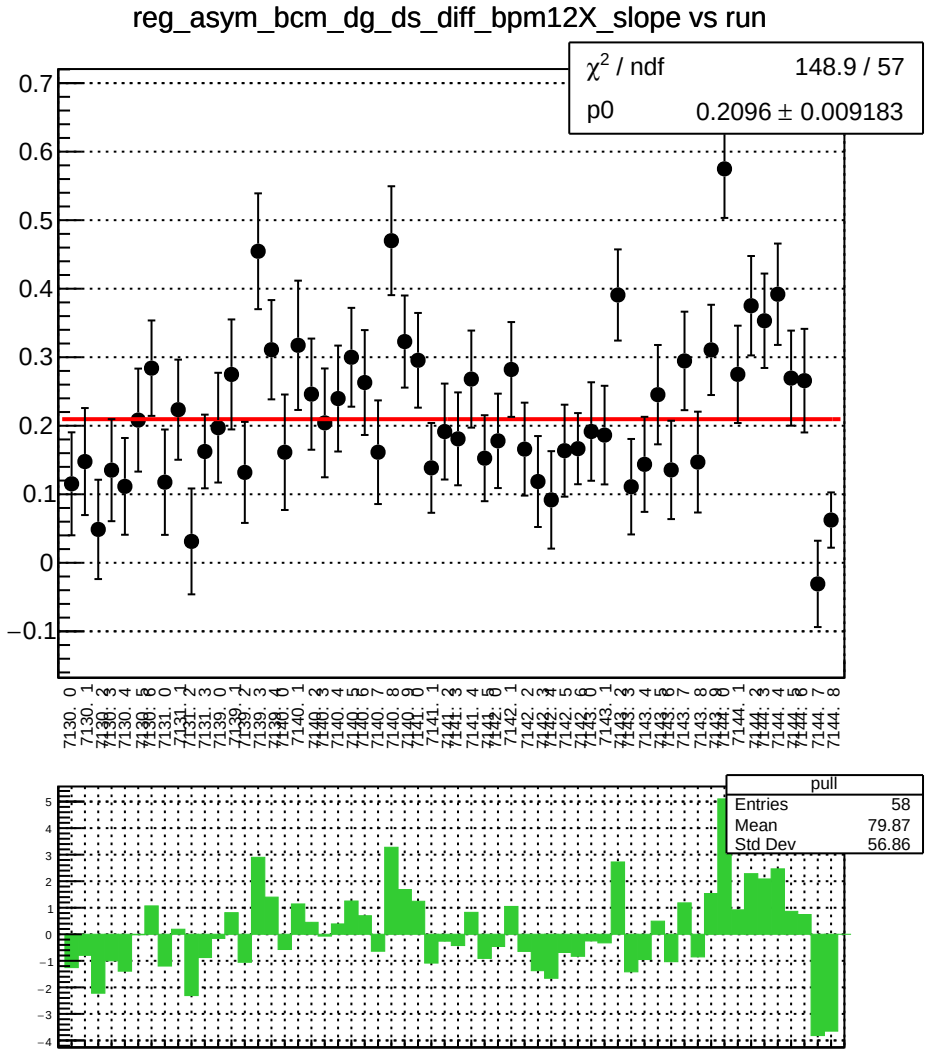

pull1D
Entries 58
Mean 0.0544
Std Dev 2.097

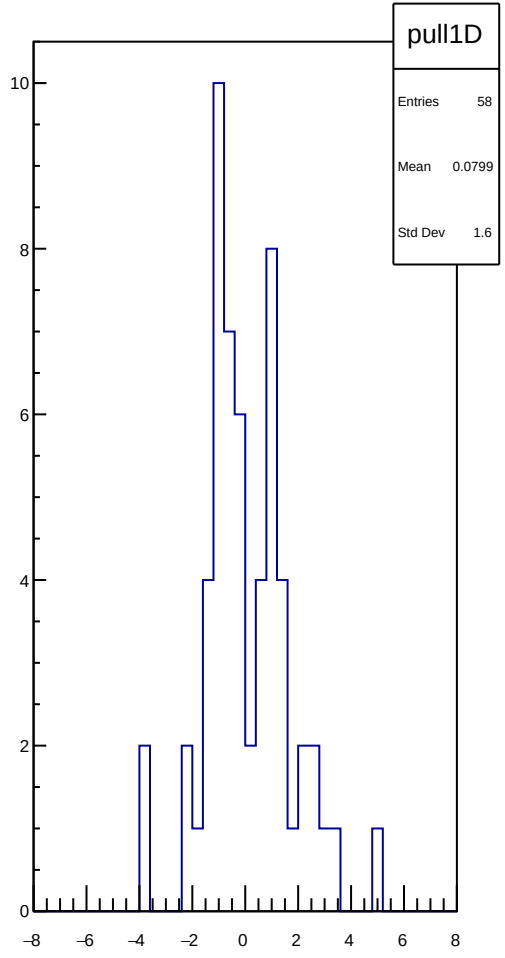

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 928.9 / 57
p0 19.19 ± 0.2078
pull
Entries 58
Mean −10.24
Std Dev 31.22

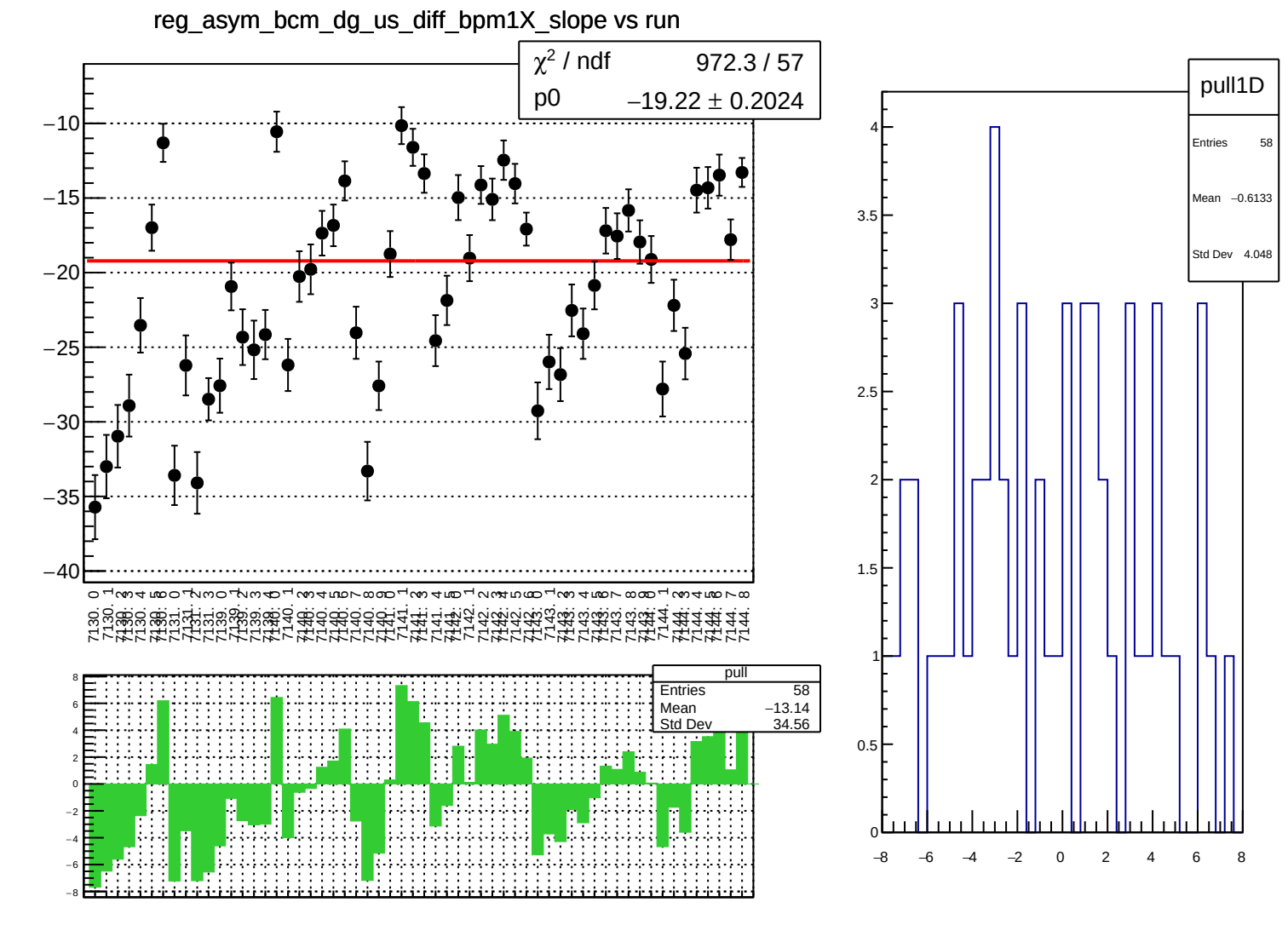

pull1D
Entries 58
Mean 0.5898
Std Dev 3.958

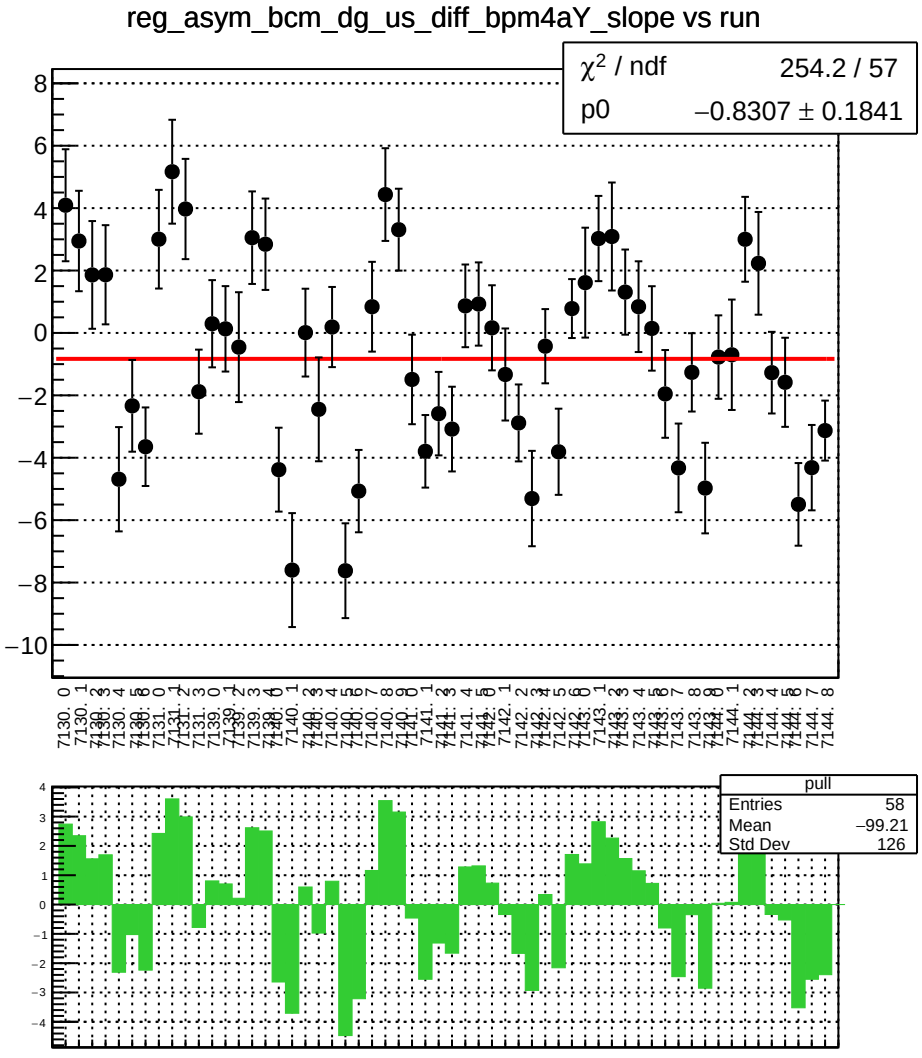

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 292.1 / 57
p0 0.2403 ± 0.1985
pull
Entries 58
Mean −95.04
Std Dev 120.3

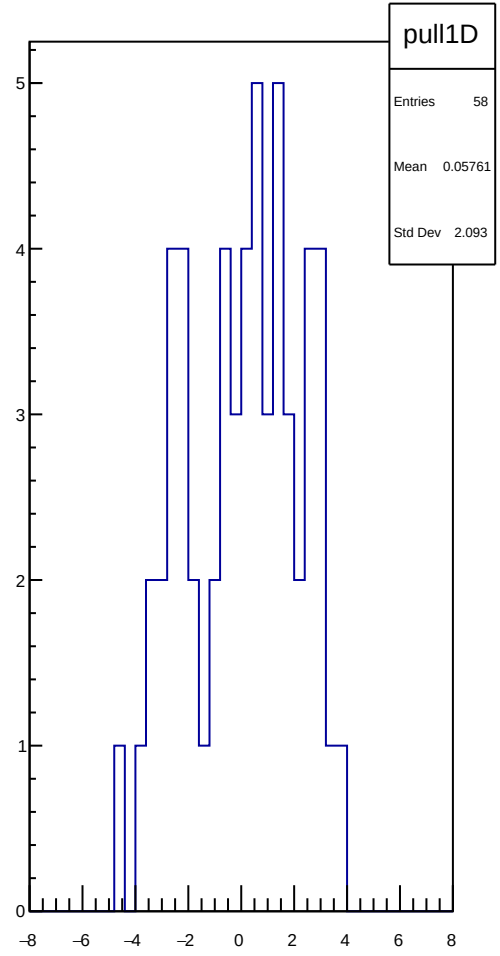

pull1D
Entries 58
Mean −0.0723
Std Dev 2.243

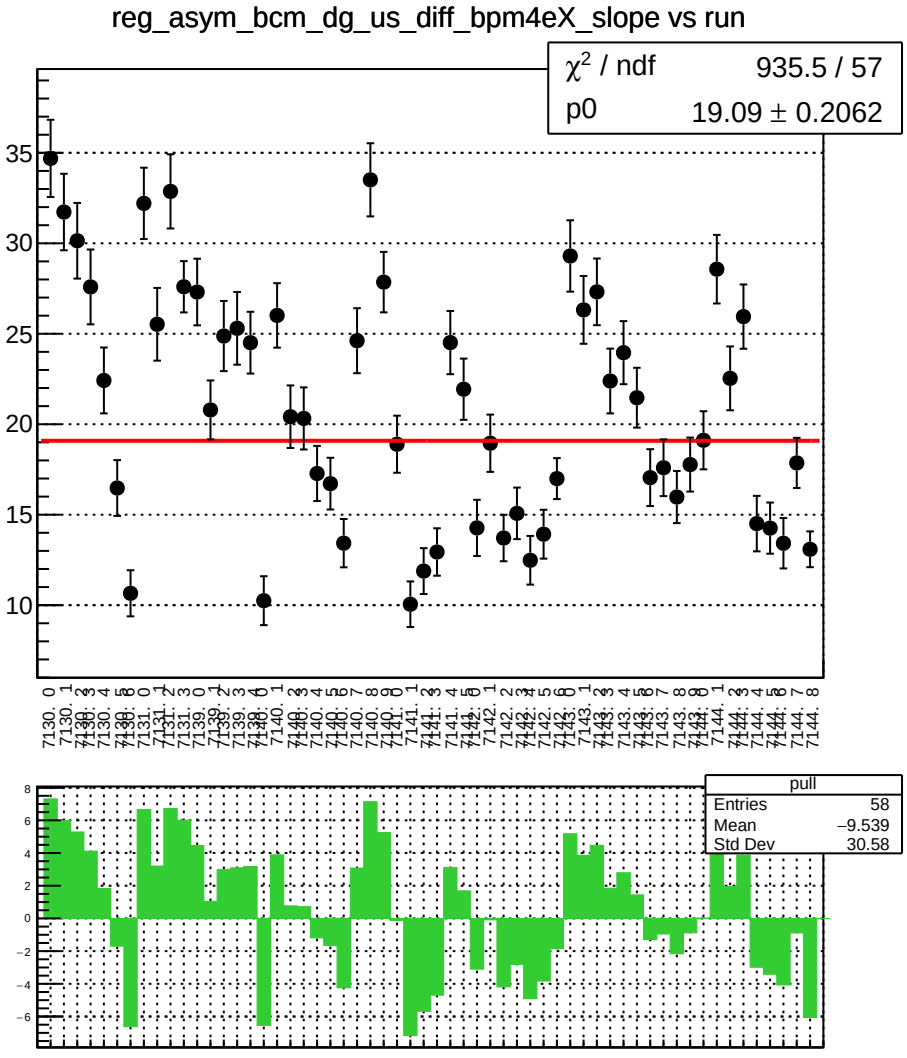

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 148.9 / 57
p0 0.2096 ± 0.009183
pull
Entries 58
Mean 79.87
Std Dev 56.86

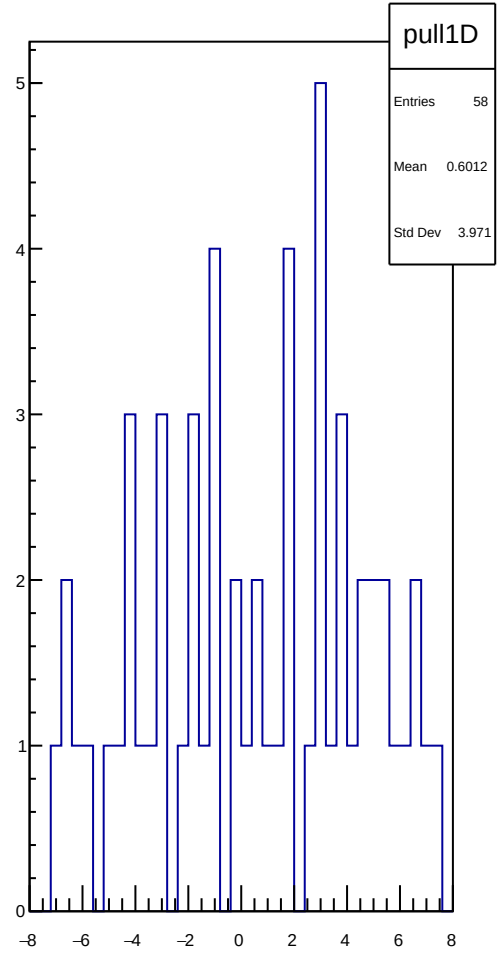

pull1D
Entries 58
Mean 0.0799
Std Dev 1.6

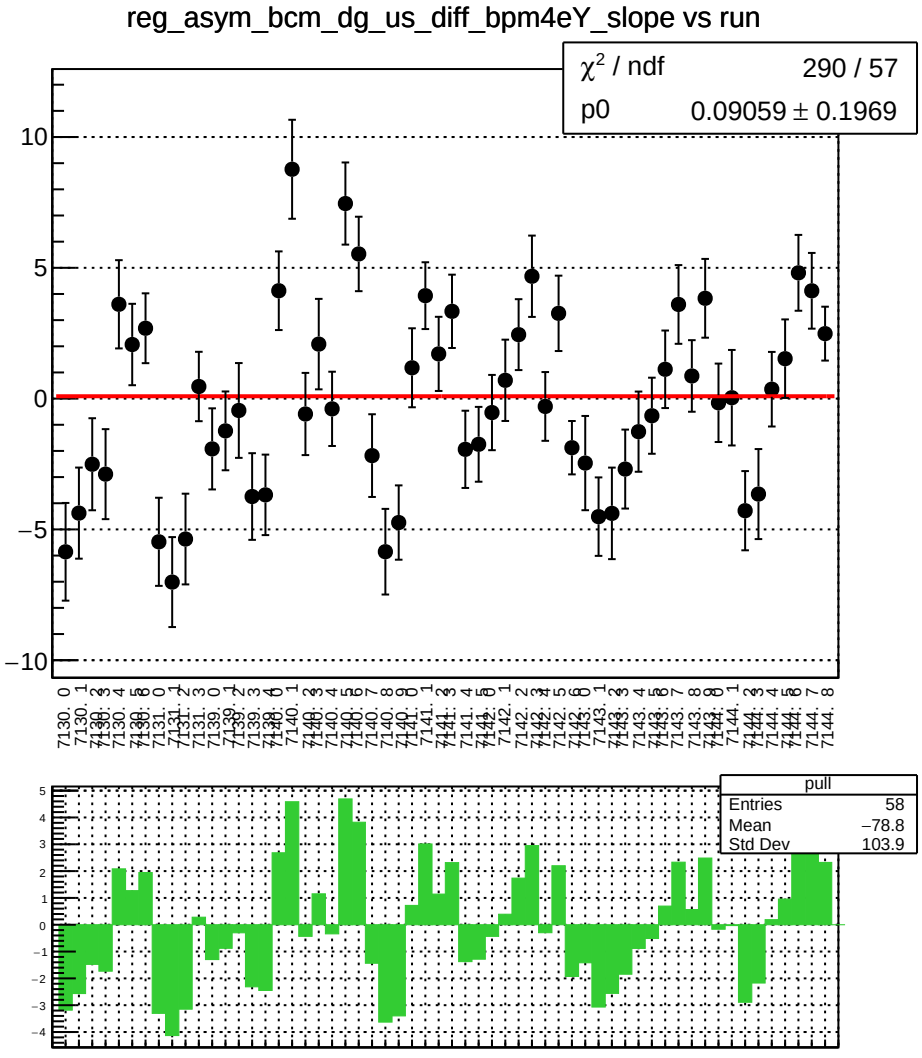

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 972.3 / 57
p0 −19.22 ± 0.2024
pull
Entries 58
Mean −13.14
Std Dev 34.56
pull1D
Entries 58
Mean −0.6133
Std Dev 4.048

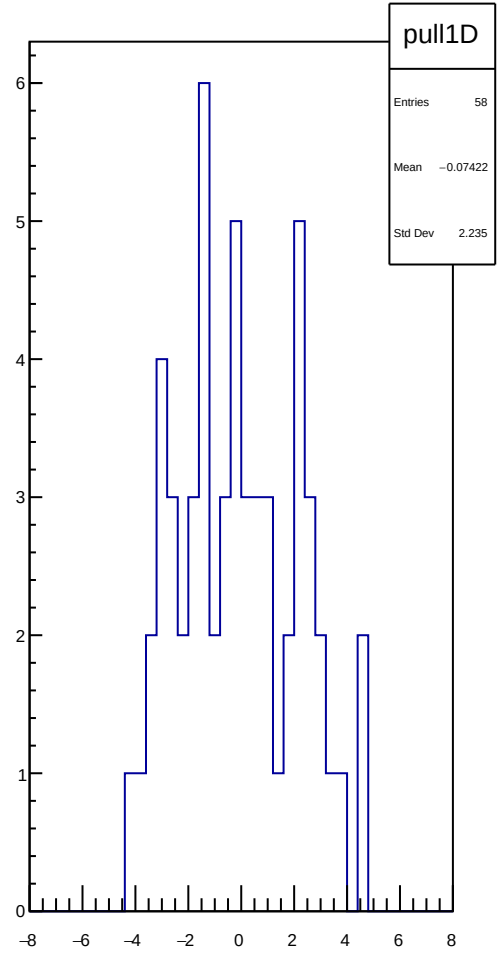

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 254.2 / 57
p0 −0.8307 ± 0.1841
pull
Entries 58
Mean −99.21
Std Dev 126

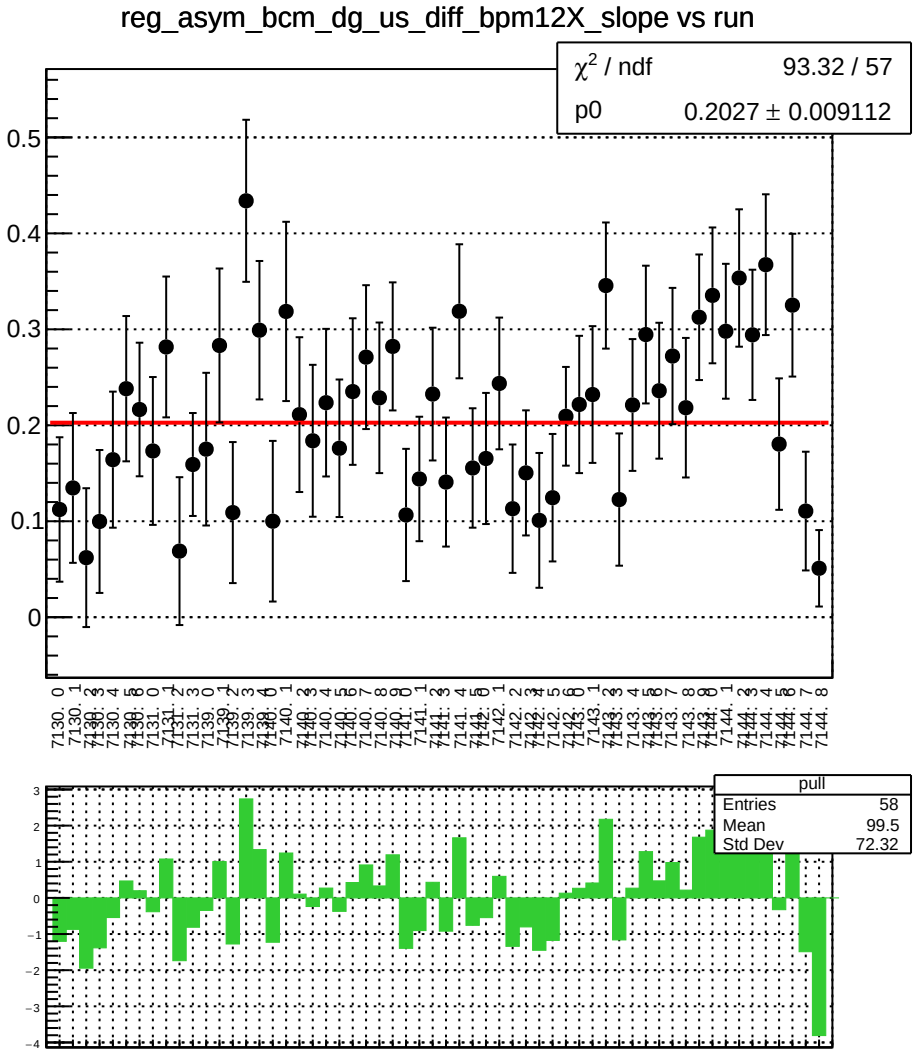

pull1D
Entries 58
Mean 0.05761
Std Dev 2.093

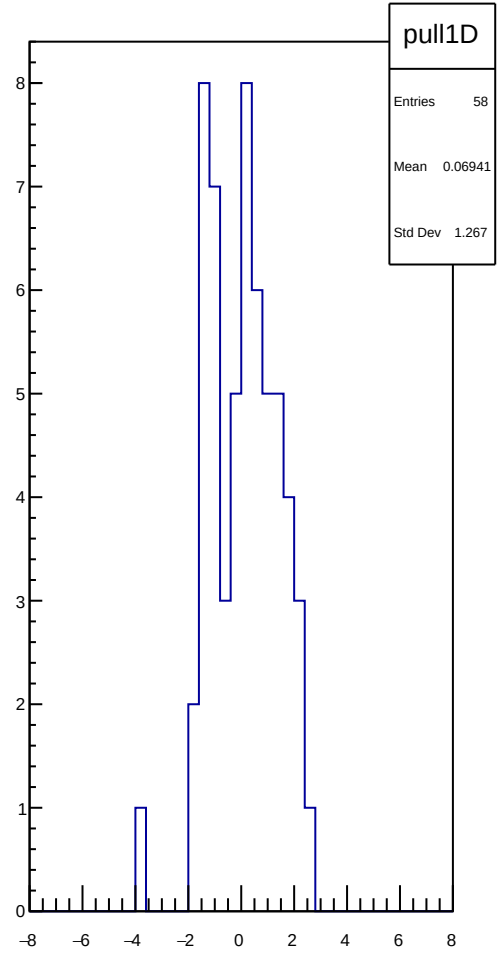

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 935.5 / 57
p0 19.09 ± 0.2062
pull
Entries 58
Mean −9.539
Std Dev 30.58


pull1D
Entries 58
Mean 0.6012
Std Dev 3.971


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 290 / 57
p0 0.09059 ± 0.1969
pull
Entries 58
Mean −78.8
Std Dev 103.9


pull1D
Entries 58
Mean −0.07422
Std Dev 2.235


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ2 / ndf 93.32 / 57
p0 0.2027 ± 0.009112
pull
Entries 58
Mean 99.5
Std Dev 72.32


pull1D
Entries 58
Mean 0.06941
Std Dev 1.267