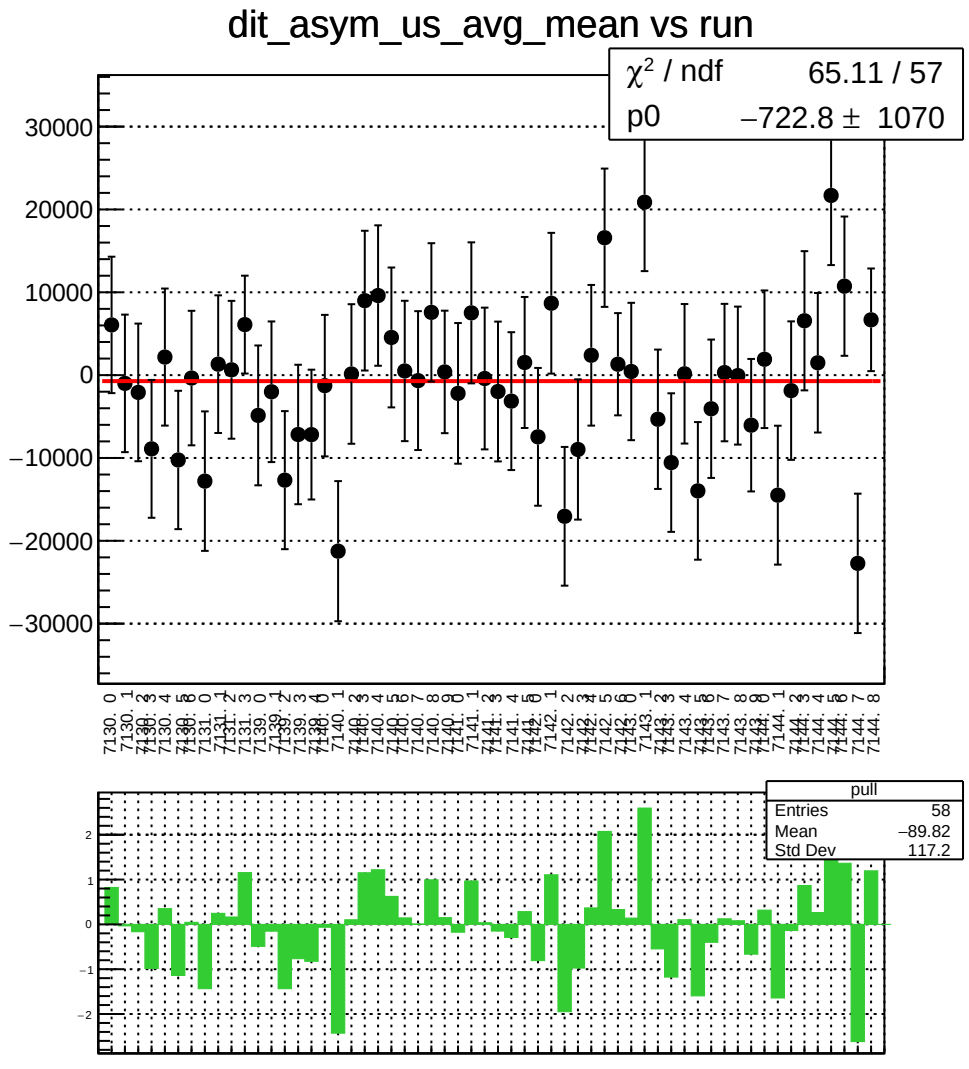
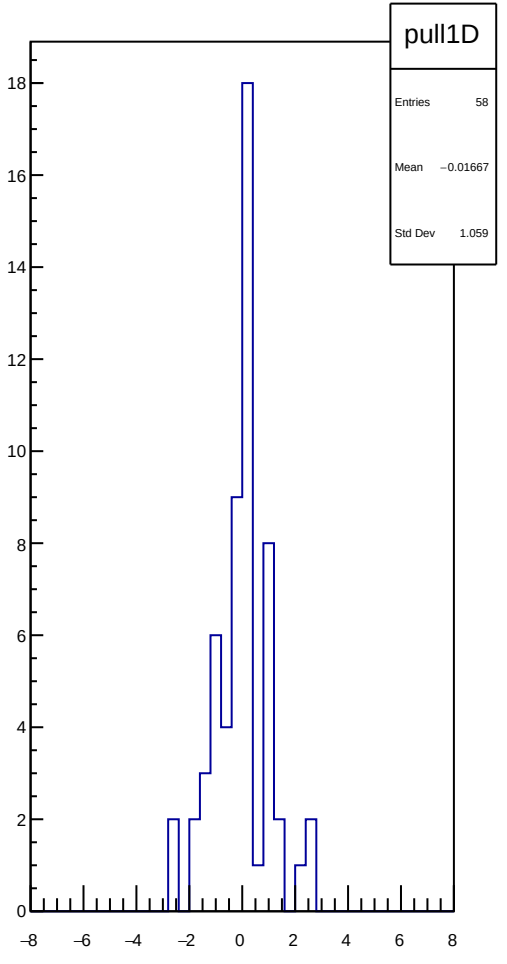
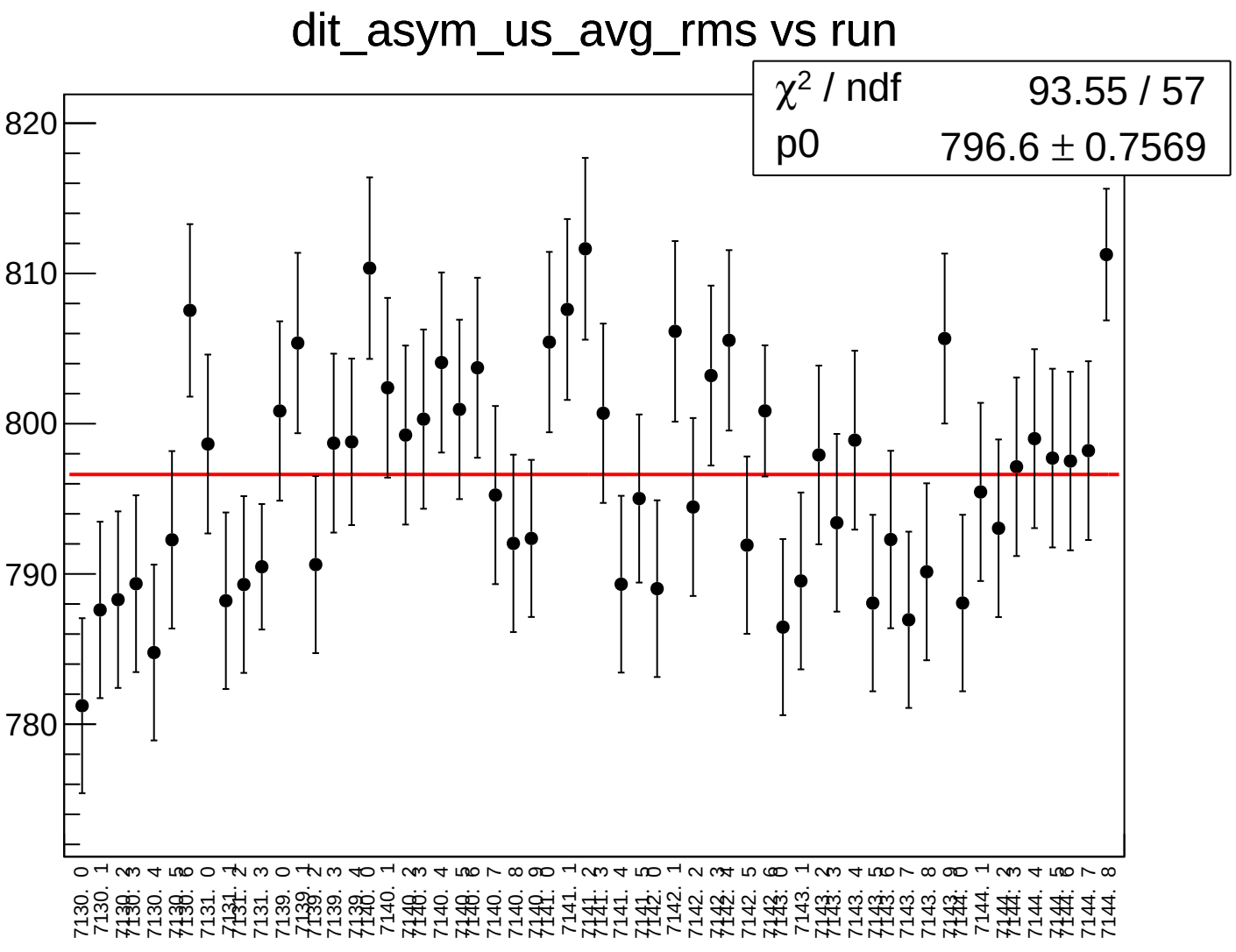
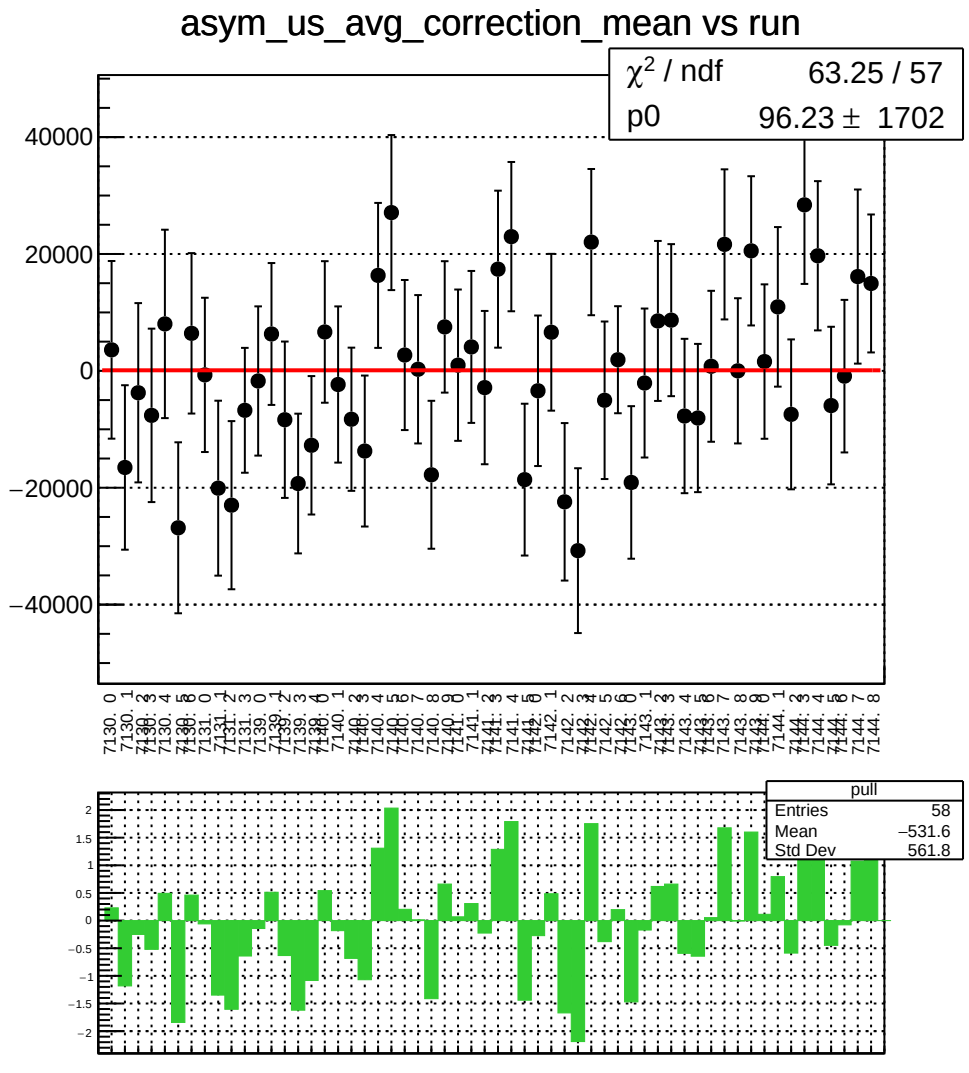
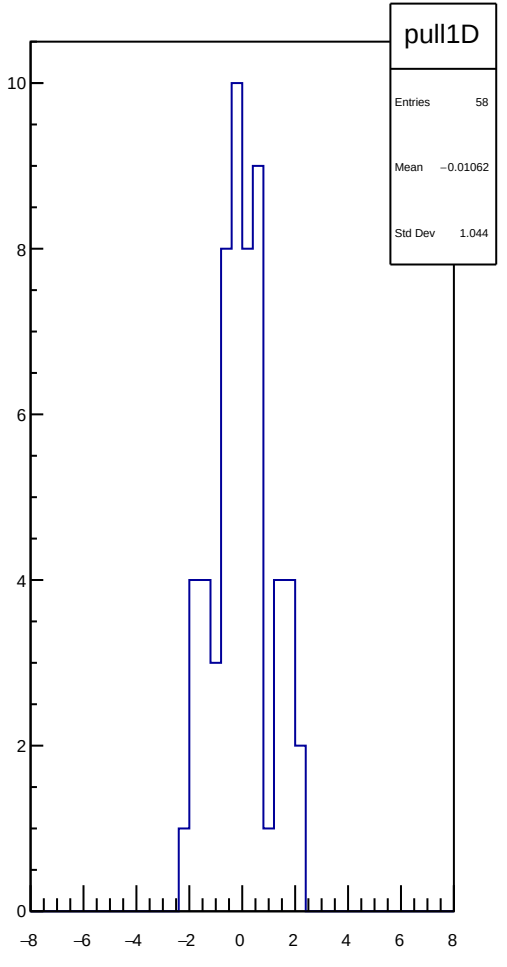
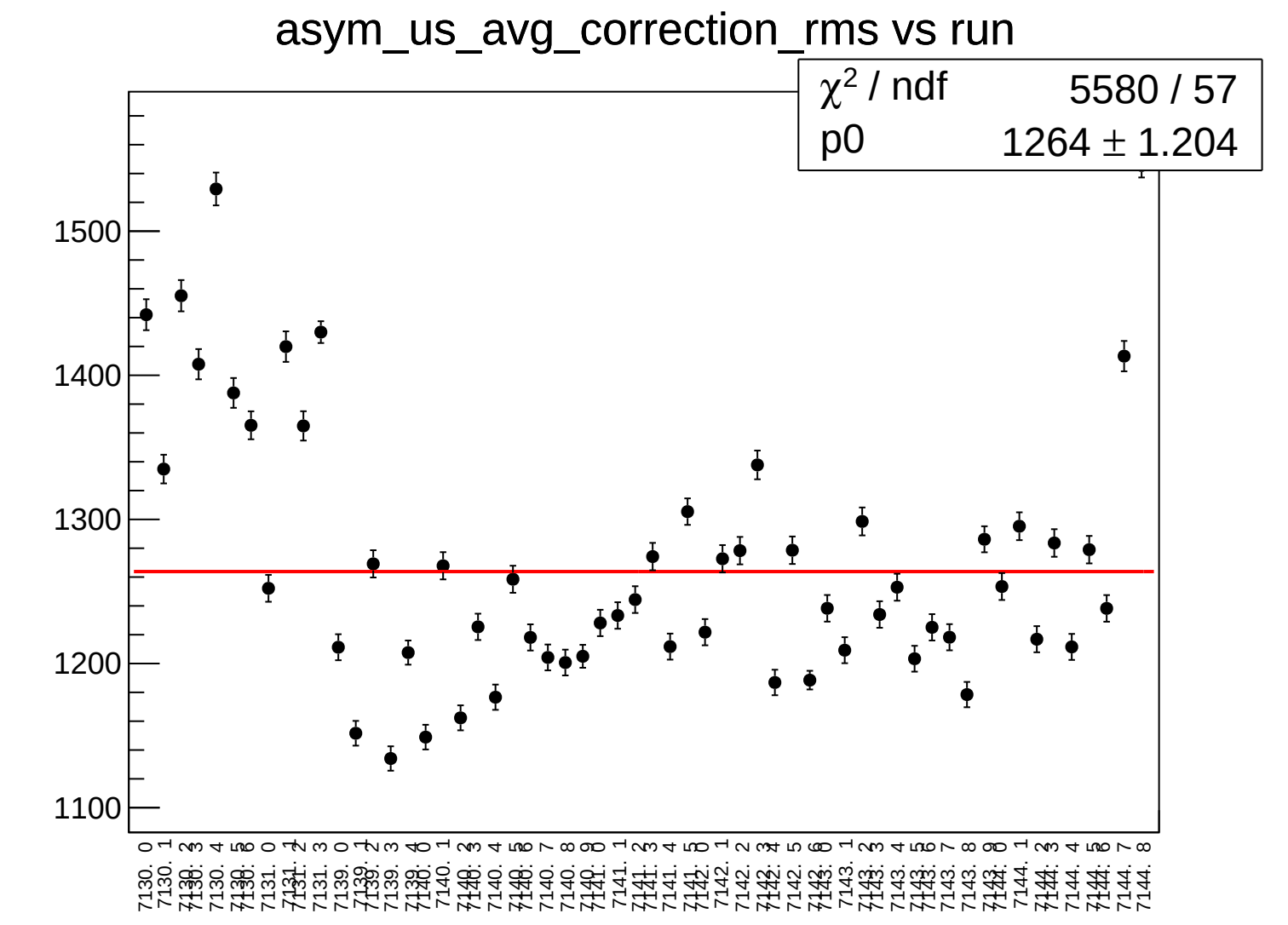

dit_asym_us_avg_mean vs run
χ² / ndf 65.11 / 57
p0 −722.8 ± 1070
pull
Entries 58
Mean −89.82
Std Dev 117.2

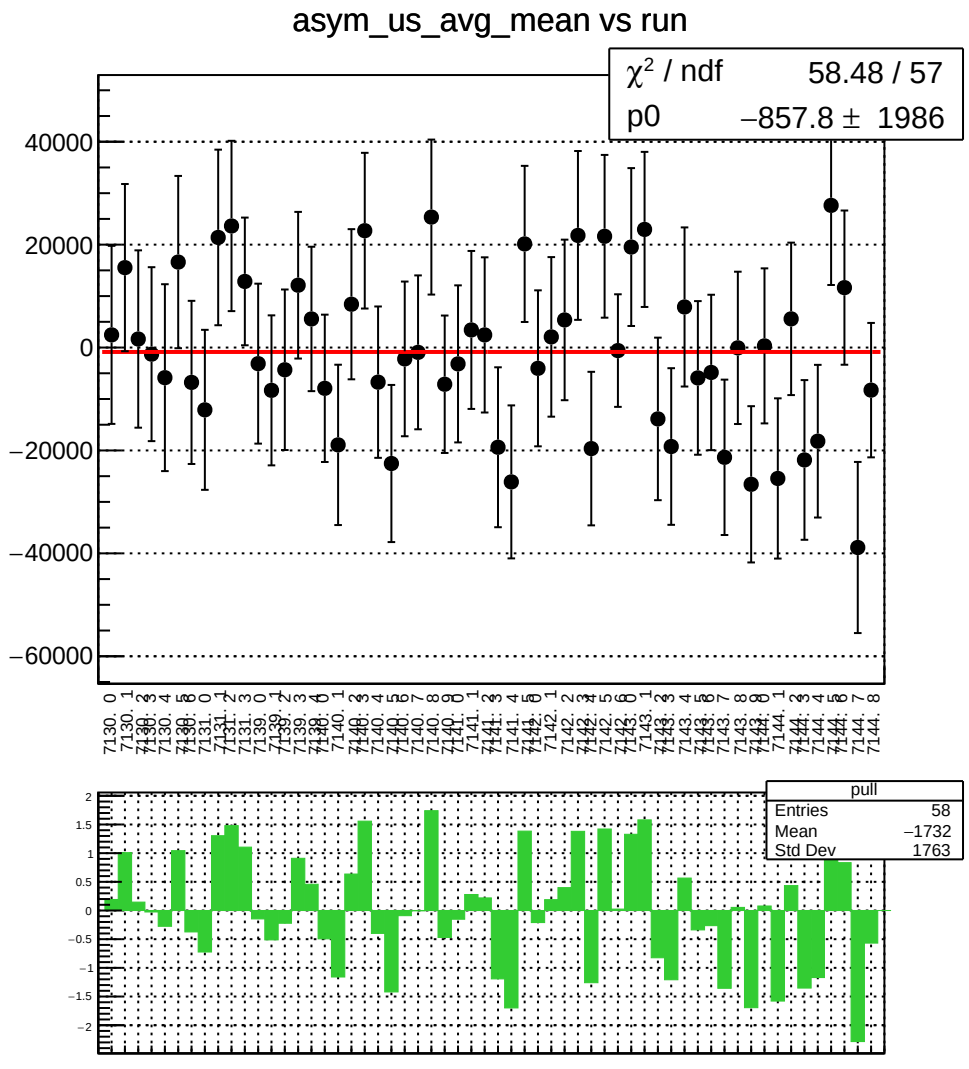

pull1D
Entries 58
Mean −0.01667
Std Dev 1.059

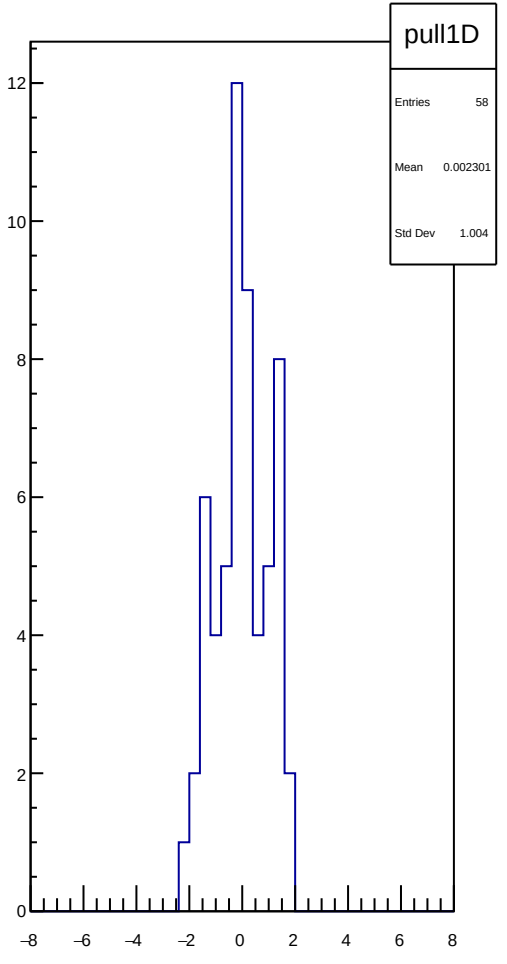

dit_asym_us_avg_rms vs run
χ^2 / ndf 93.55 / 57
p0 796.6 ± 0.7569
820
810
800
790
780

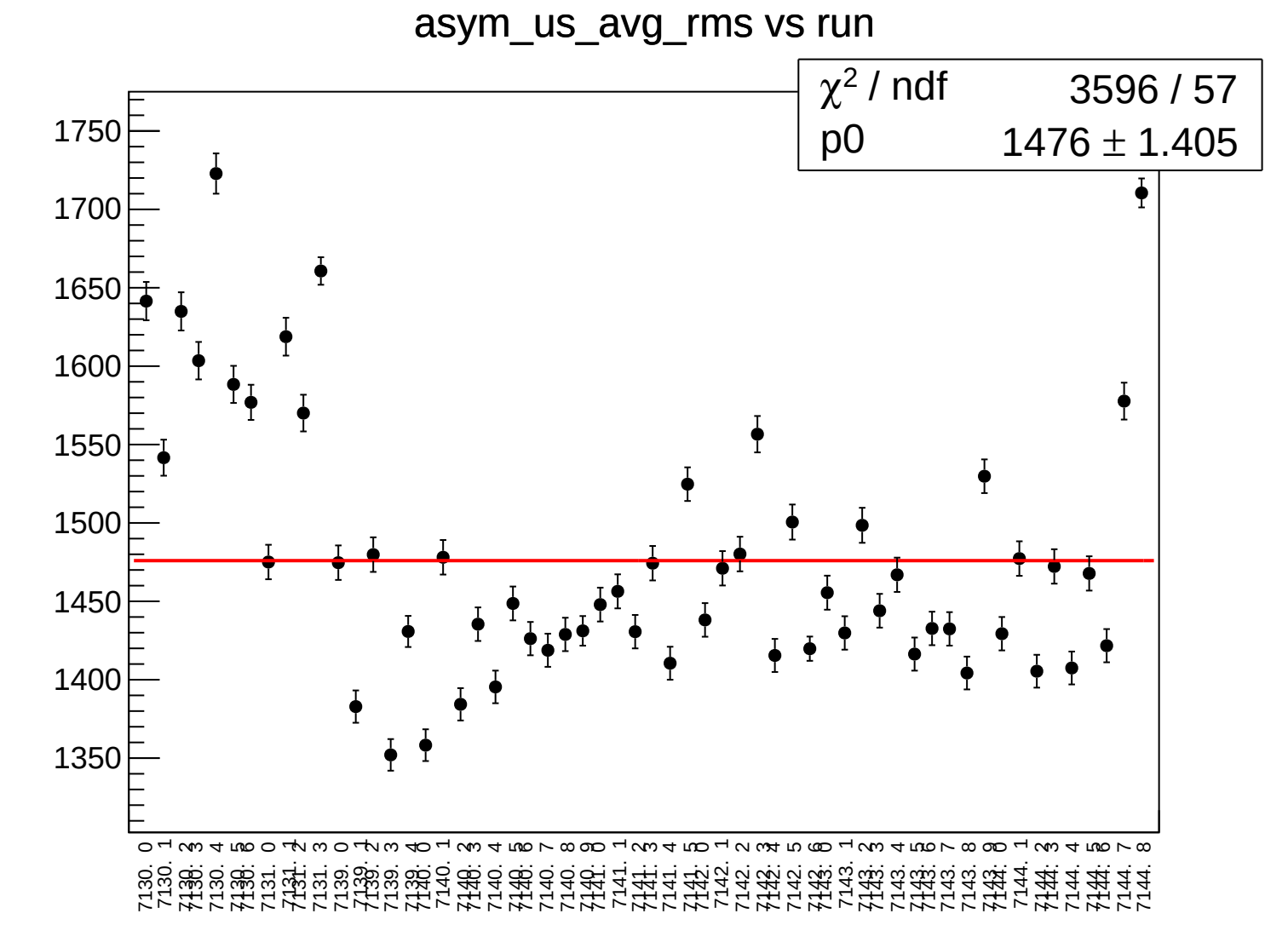

asym_us_avg_correction_mean vs run
χ² / ndf 63.25 / 57
p0 96.23 ± 1702
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −531.6
Std Dev 561.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

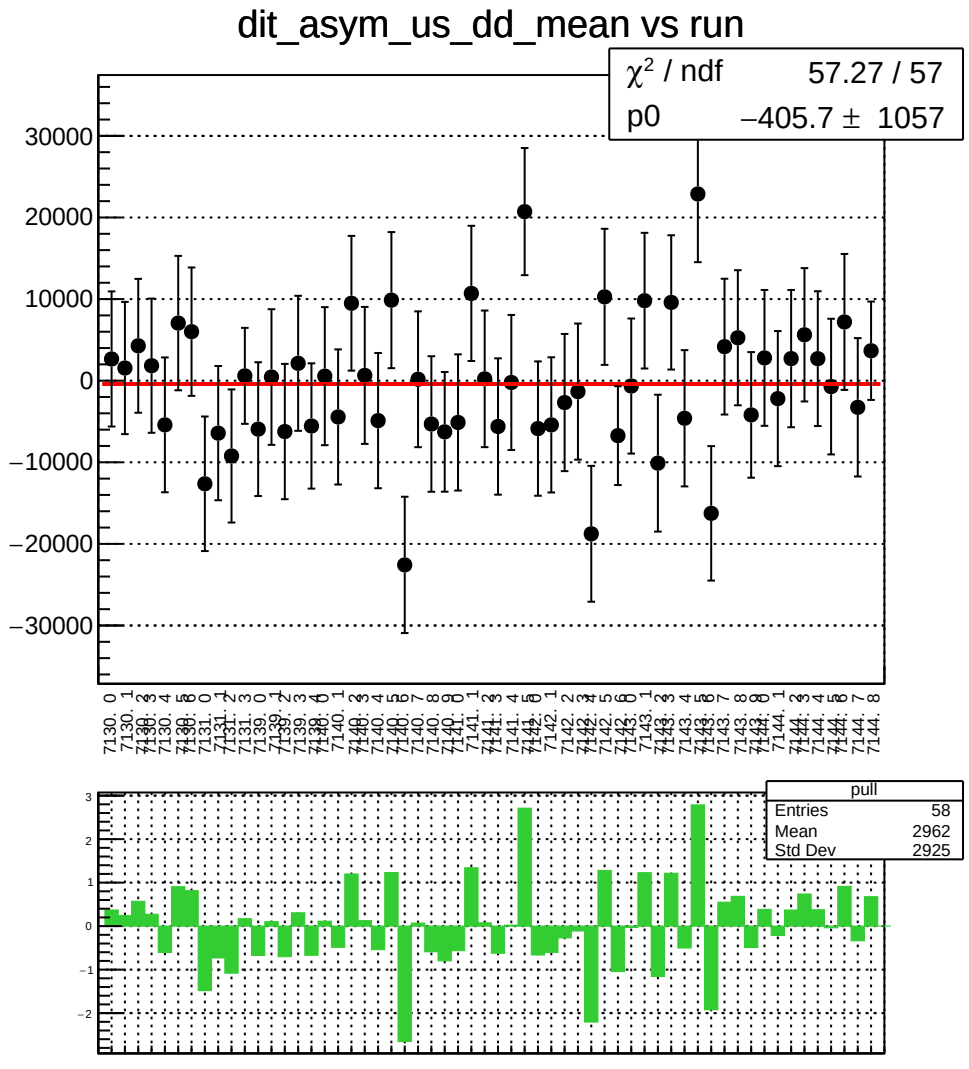

pull1D
Entries 58
Mean −0.01062
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

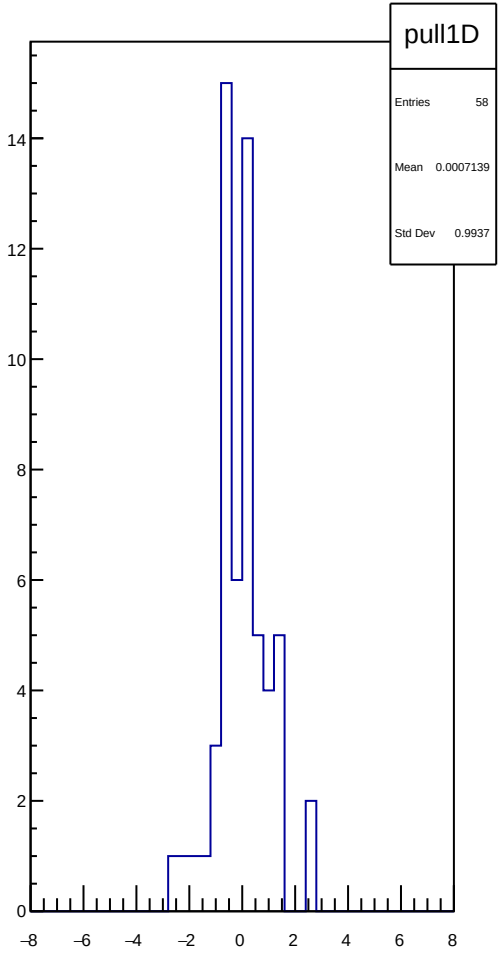

asym_us_avg_correction_rms vs run
χ^2 / ndf 5580 / 57
p0 1264 ± 1.204
1500
1400
1300
1200
1100

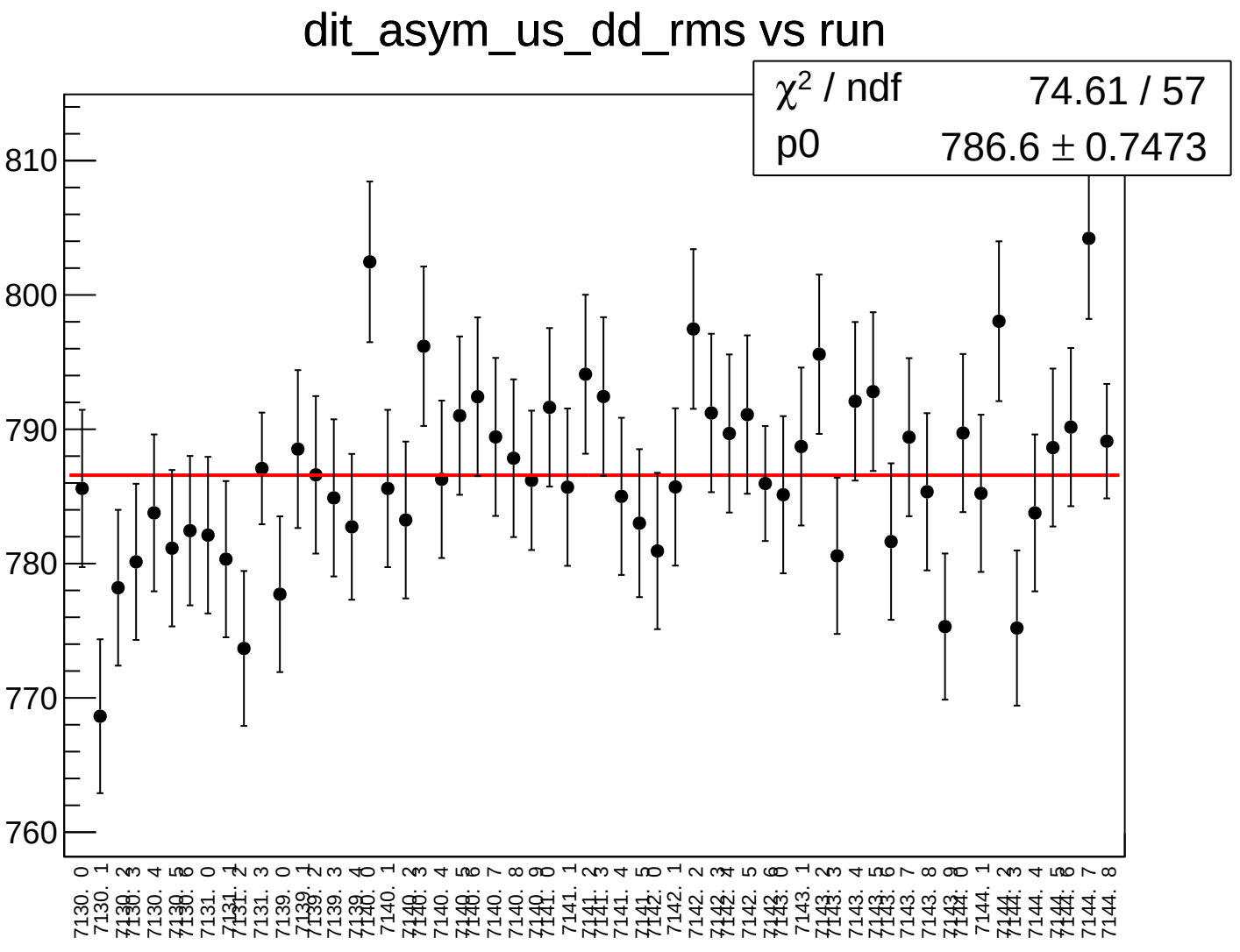

asym_us_avg_mean vs run
χ² / ndf 58.48 / 57
p0 −857.8 ± 1986
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean −1732
Std Dev 1763
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

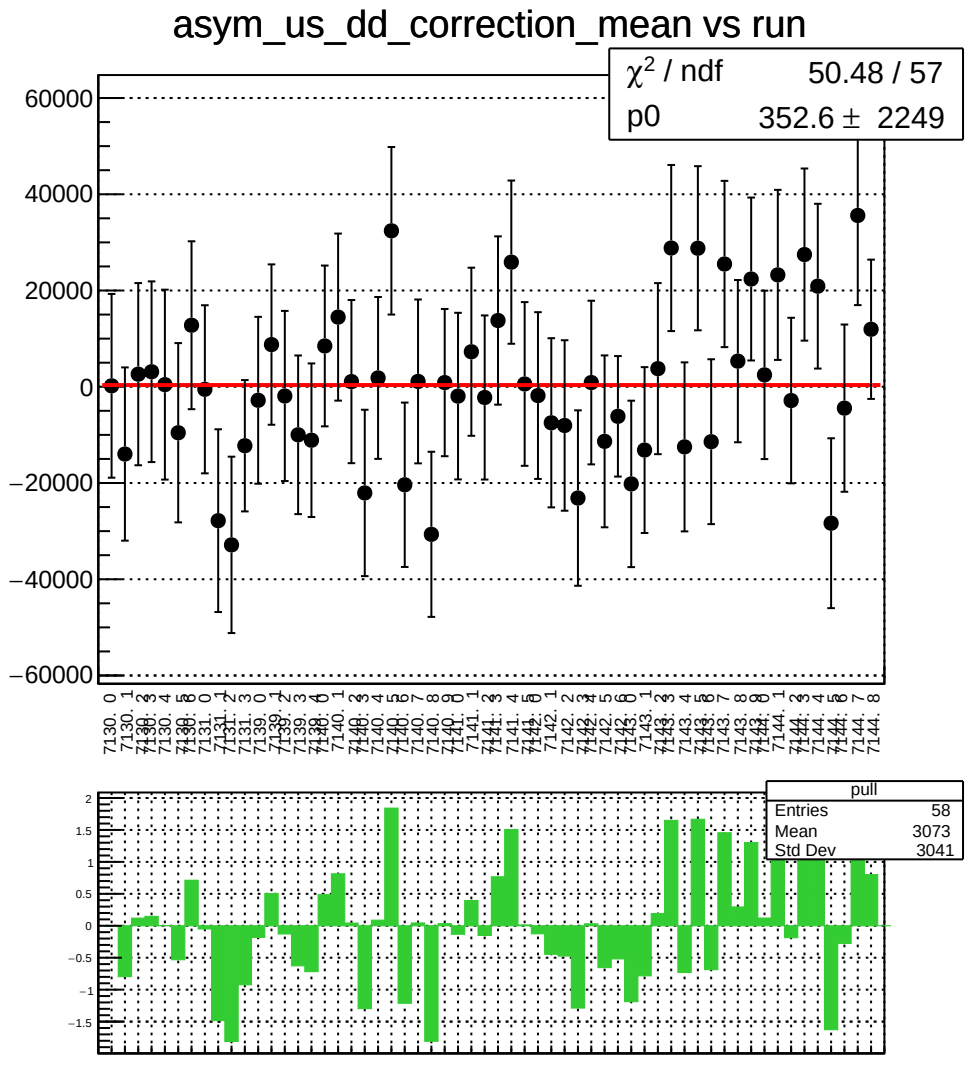

pull1D
Entries 58
Mean 0.002301
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

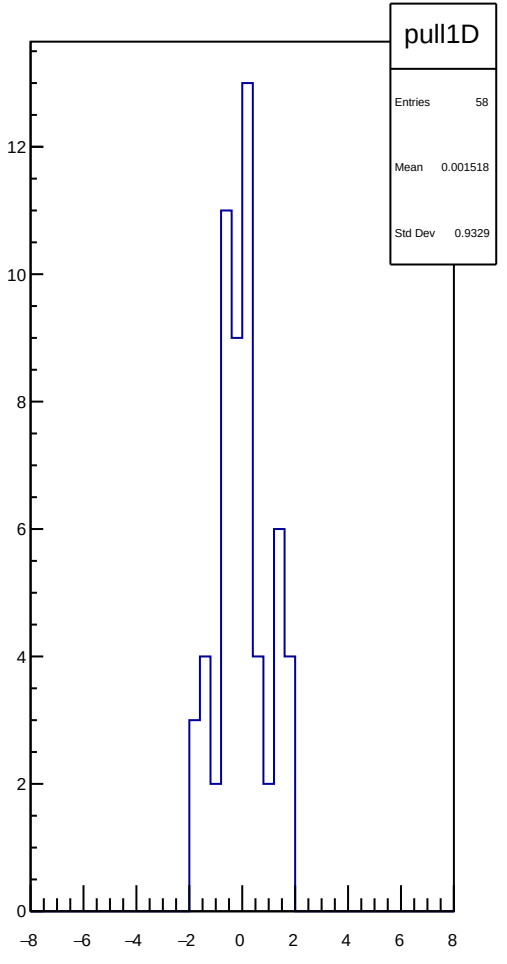

asym_us_avg_rms vs run
χ² / ndf 3596 / 57
p0 1476 ± 1.405
1750
1700
1650
1600
1550
1500
1450
1400
1350

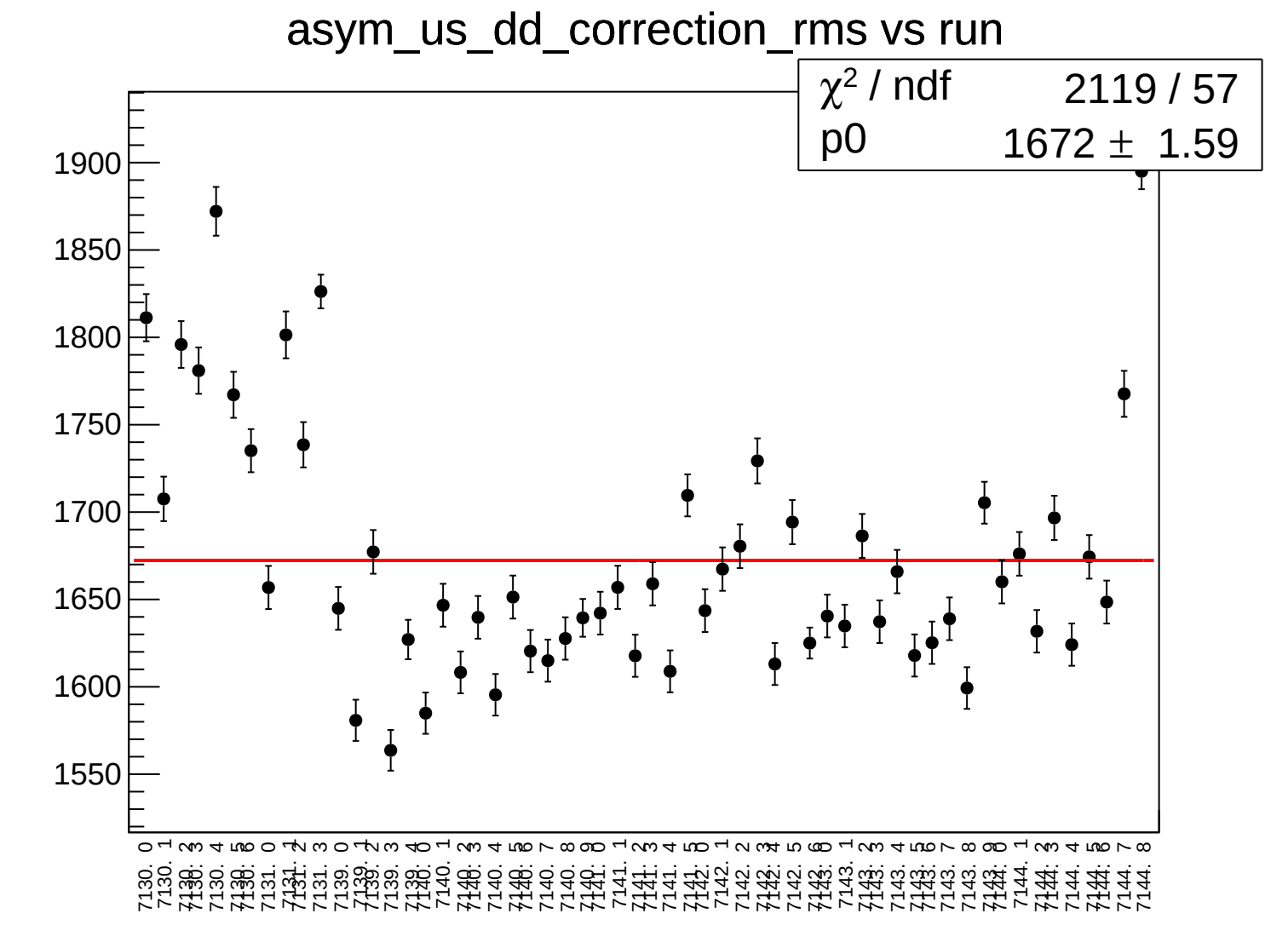

dit_asym_us_dd_mean vs run
χ² / ndf 57.27 / 57
p0 −405.7 ± 1057
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 58
Mean 2962
Std Dev 2925
3
2
1
0
−1
−2

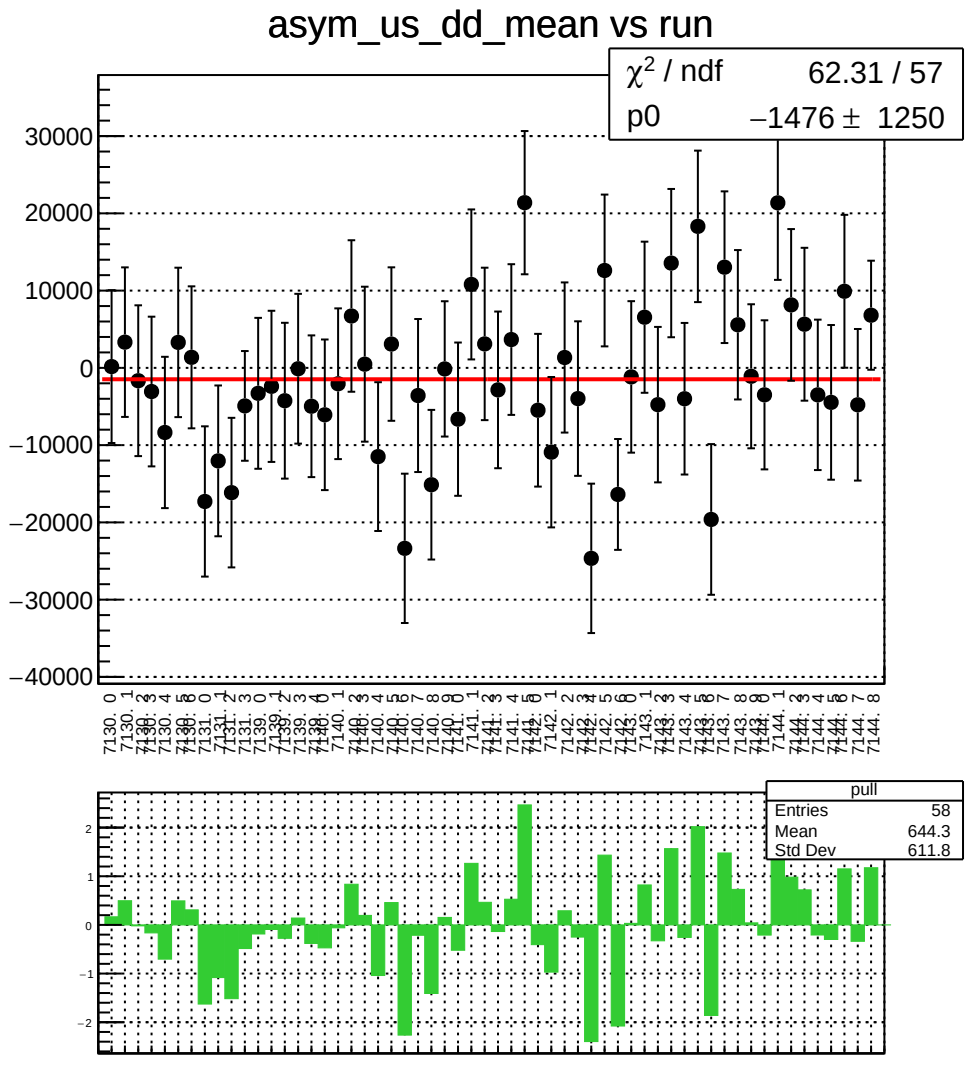

pull1D
Entries 58
Mean 0.0007139
Std Dev 0.9937
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

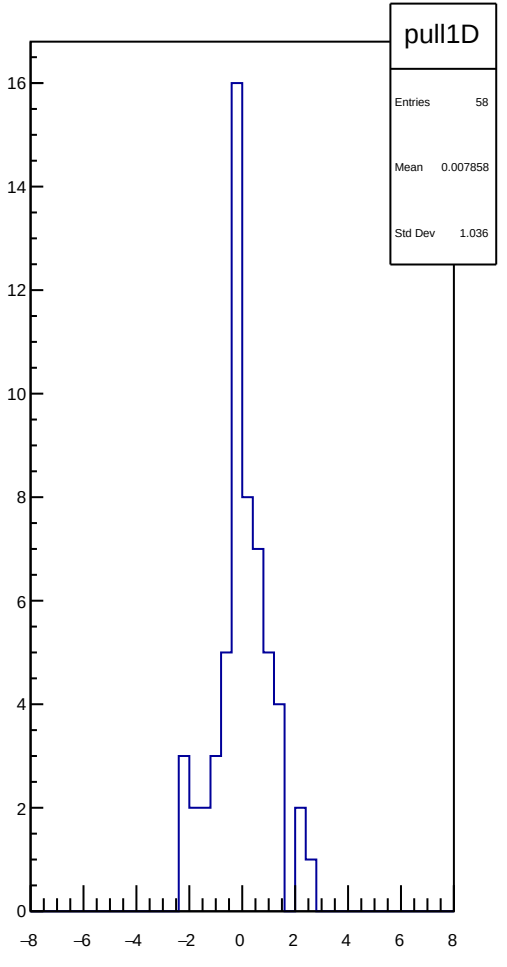

dit_asym_us_dd_rms vs run
χ² / ndf 74.61 / 57
p0 786.6 ± 0.7473
810
800
790
780
770
760

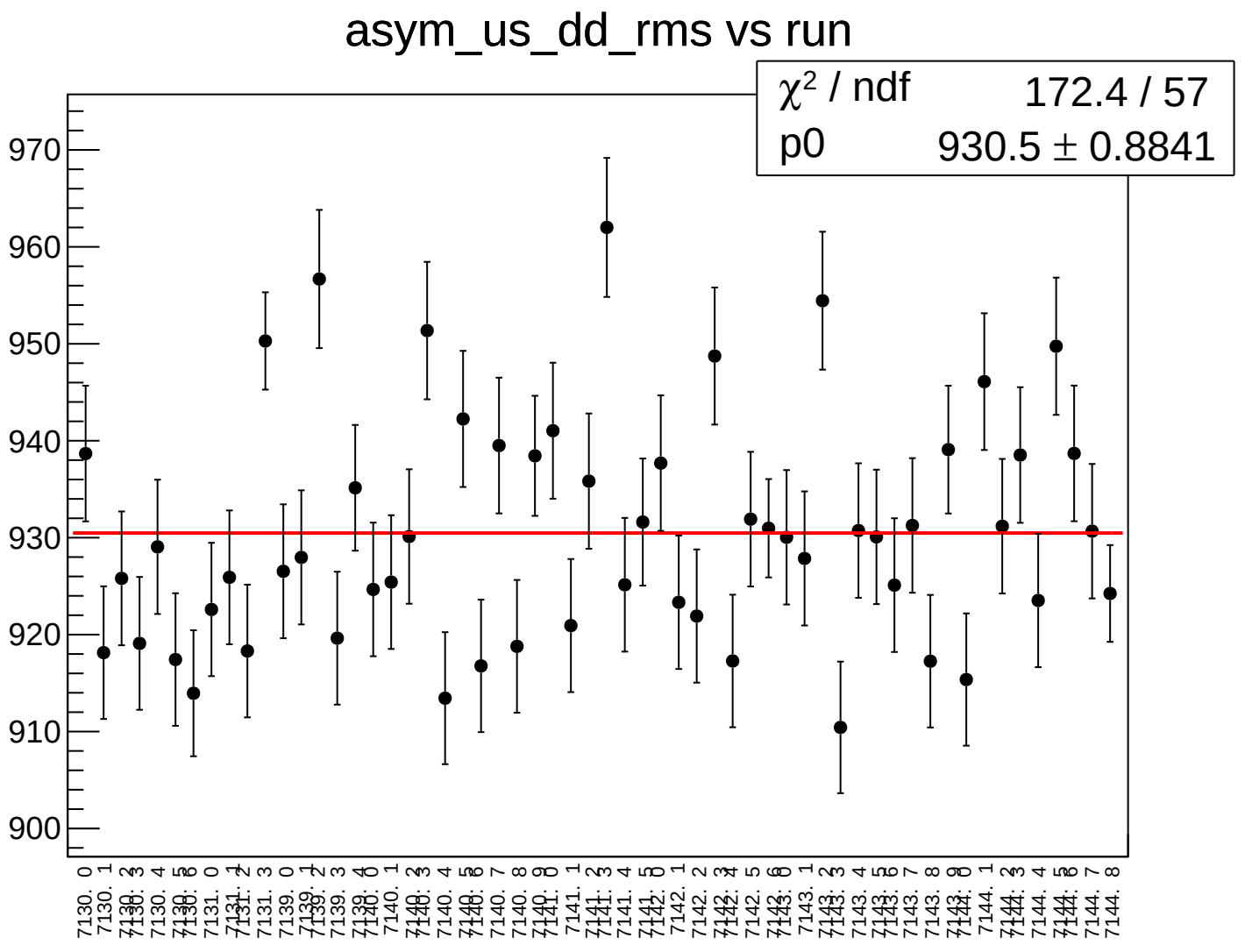

asym_us_dd_correction_mean vs run
χ² / ndf 50.48 / 57
p0 352.6 ± 2249
pull
Entries 58
Mean 3073
Std Dev 3041

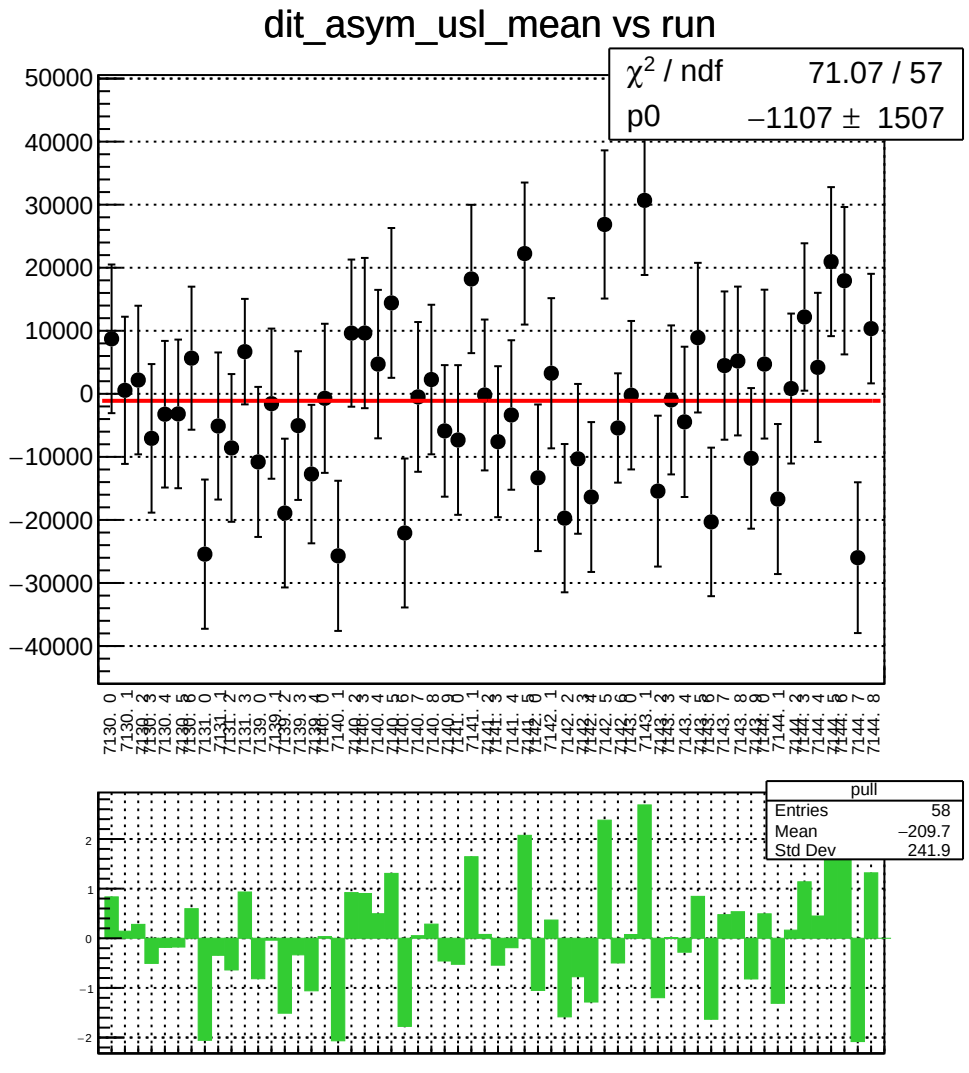

pull1D
Entries 58
Mean 0.001518
Std Dev 0.9329

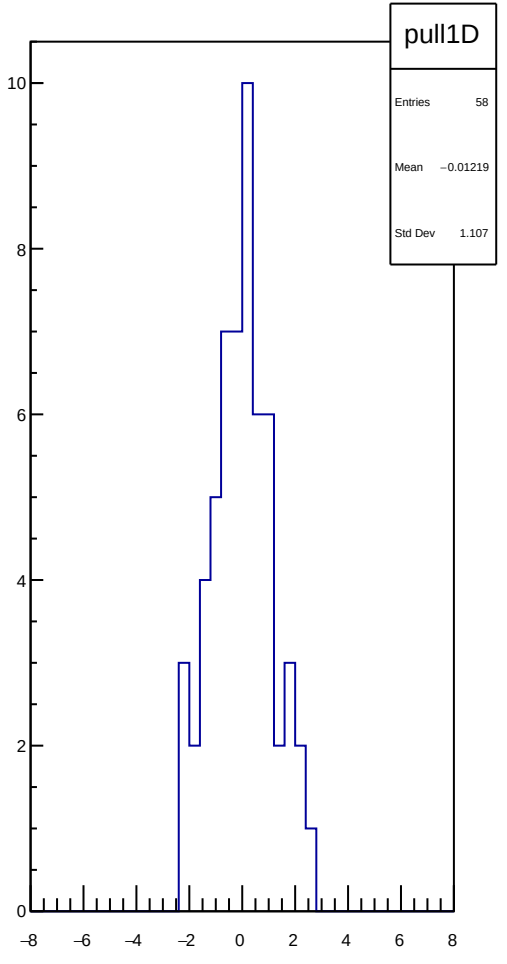

asym_us_dd_correction_rms vs run
χ² / ndf 2119 / 57
p0 1672 ± 1.59
1900
1850
1800
1750
1700
1650
1600
1550

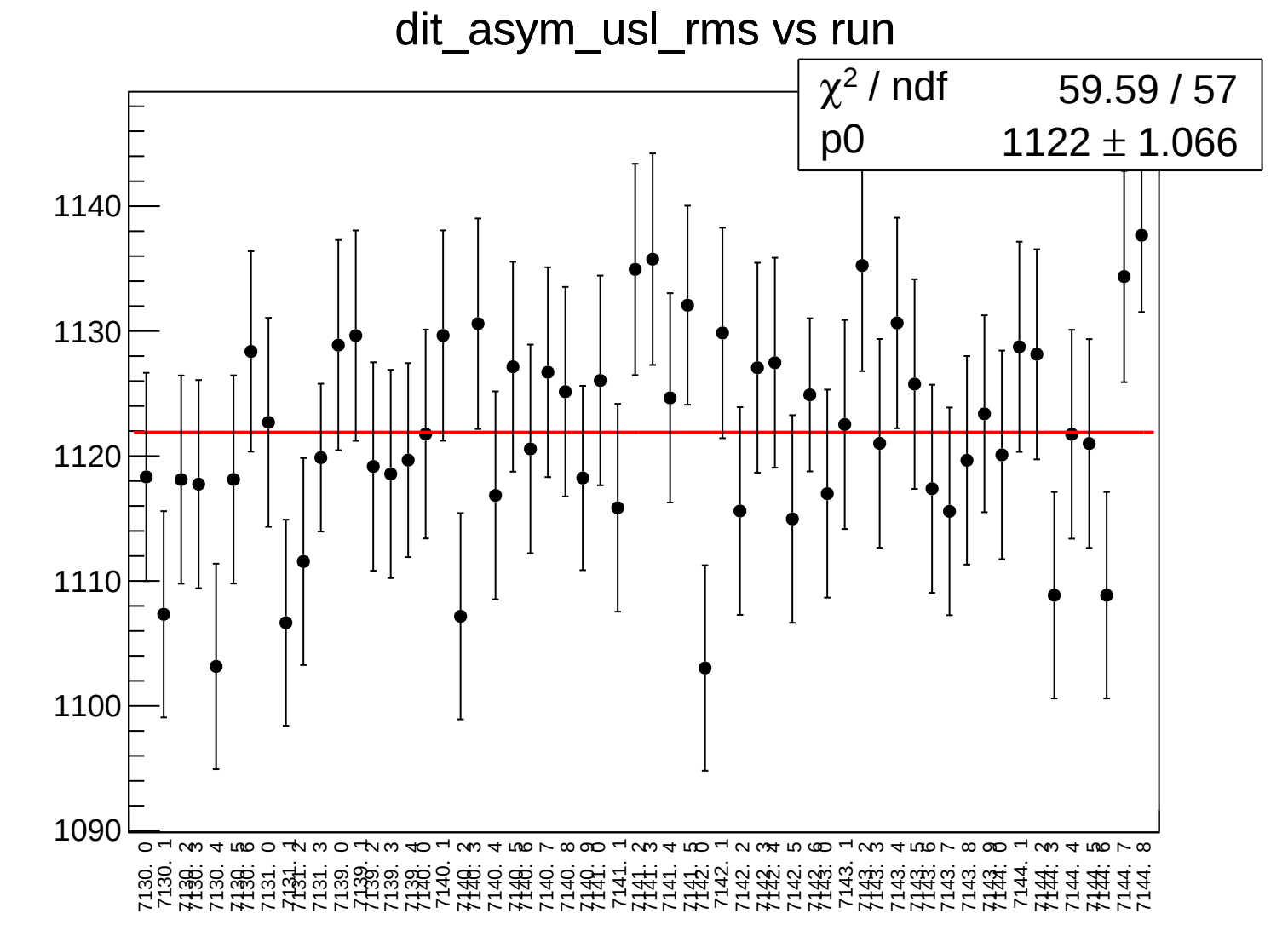

asym_us_dd_mean vs run
χ^2 / ndf 62.31 / 57
p0 −1476 ± 1250
pull
Entries 58
Mean 644.3
Std Dev 611.8

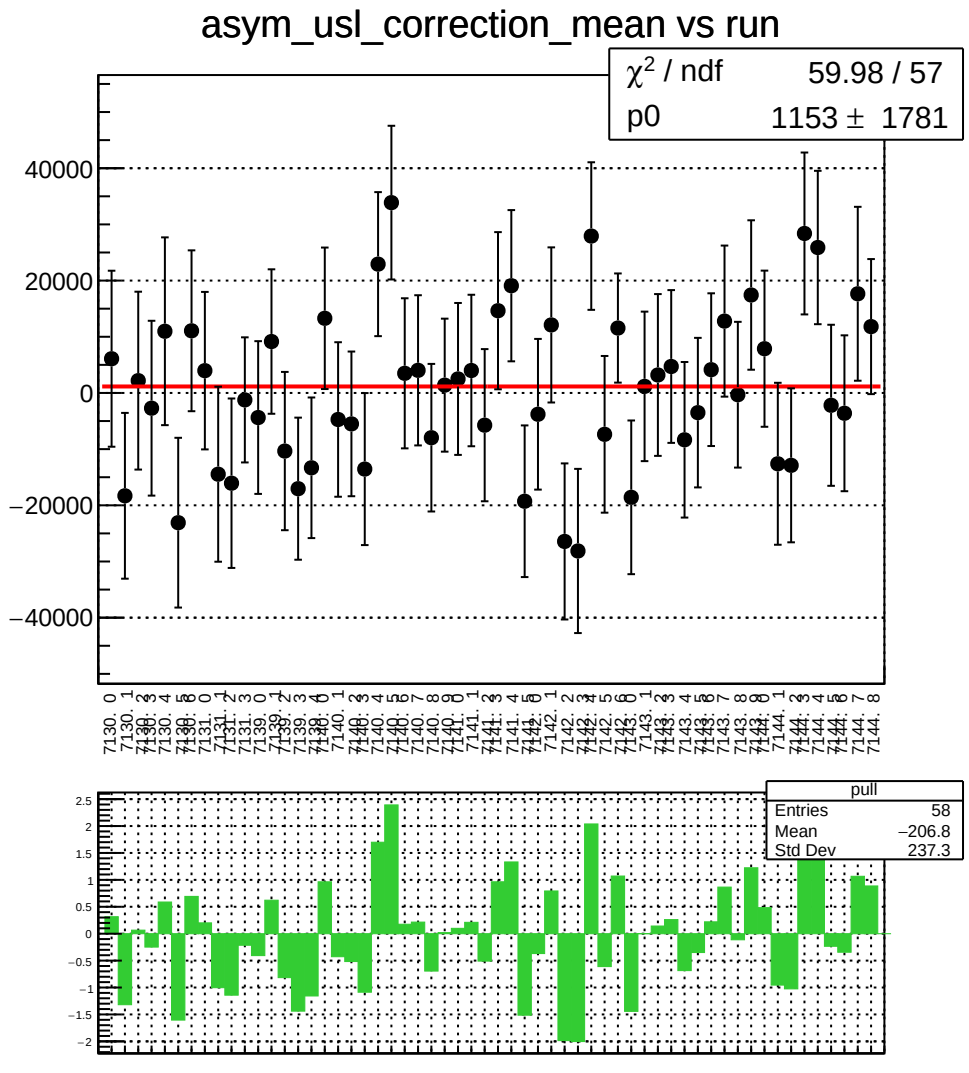

pull1D
Entries 58
Mean 0.007858
Std Dev 1.036

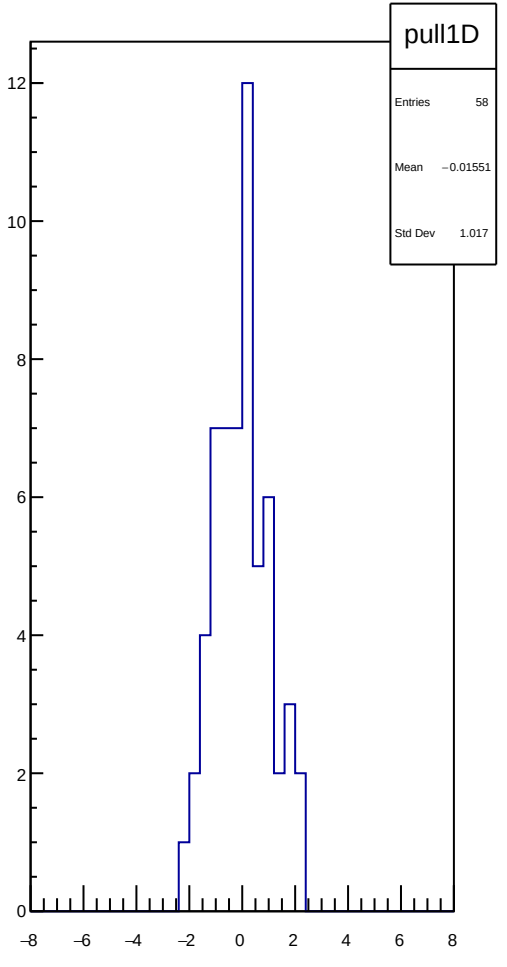

asym_us_dd_rms vs run
χ^2 / ndf 172.4 / 57
p0 930.5 ± 0.8841
970
960
950
940
930
920
910
900

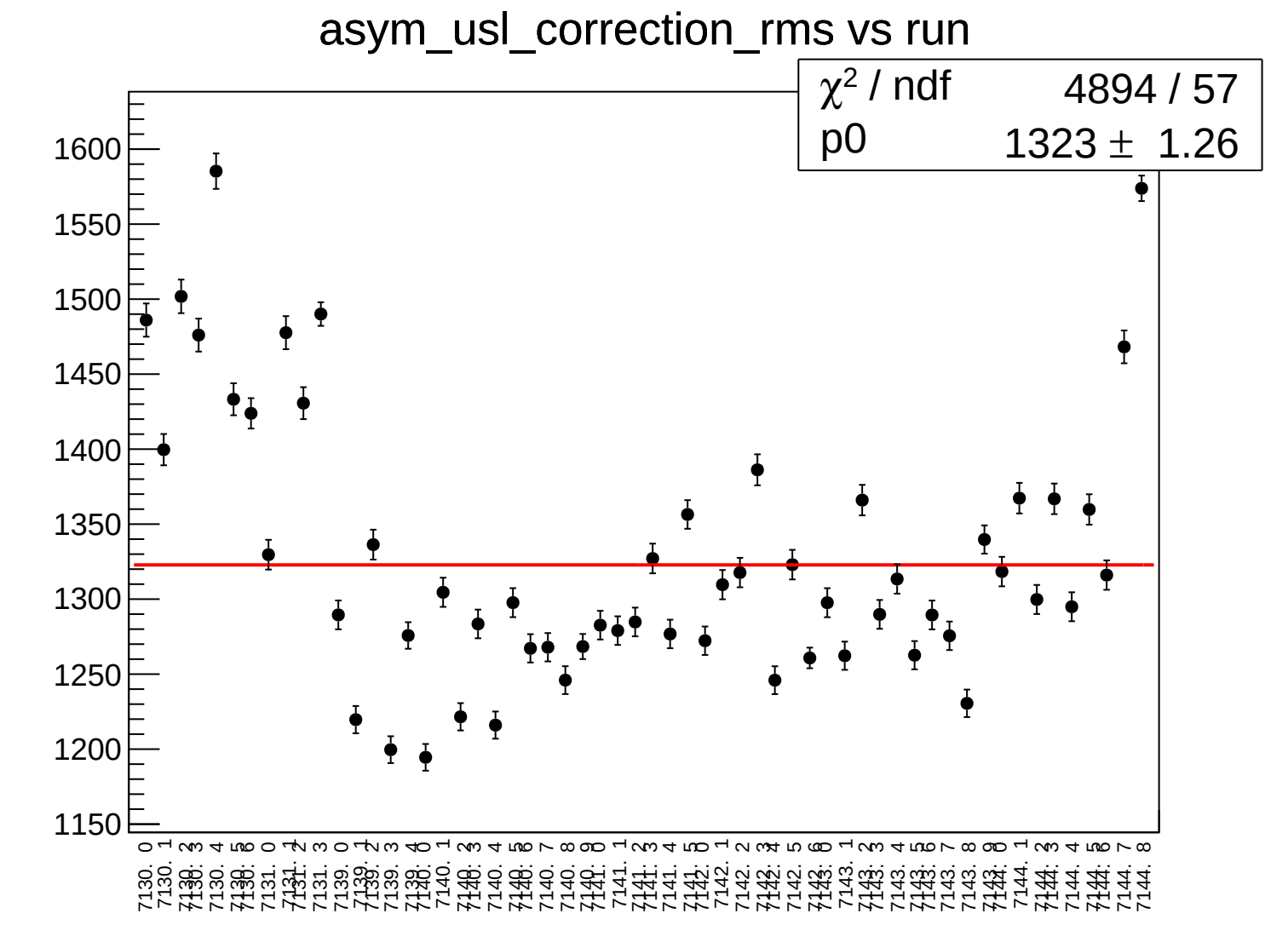

dit_asym_usl_mean vs run
χ² / ndf 71.07 / 57
p0 −1107 ± 1507
pull
Entries 58
Mean −209.7
Std Dev 241.9

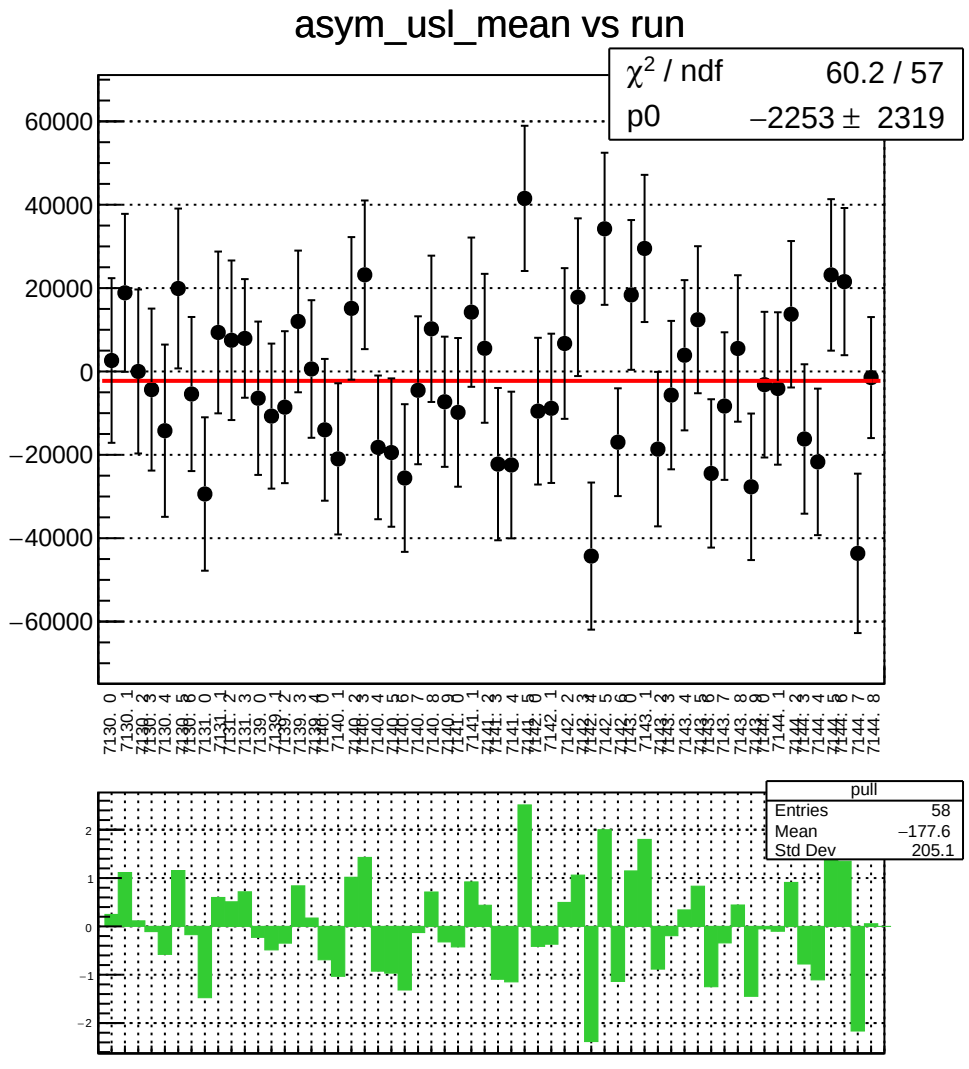

pull1D
Entries 58
Mean −0.01219
Std Dev 1.107

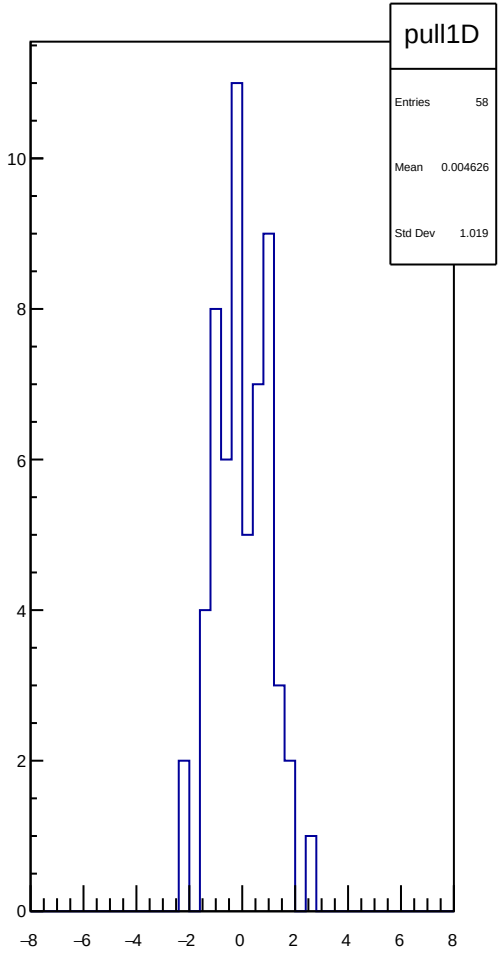

dit_asym_usl_rms vs run
χ² / ndf 59.59 / 57
p0 1122 ± 1.066
1140
1130
1120
1110
1100
1090

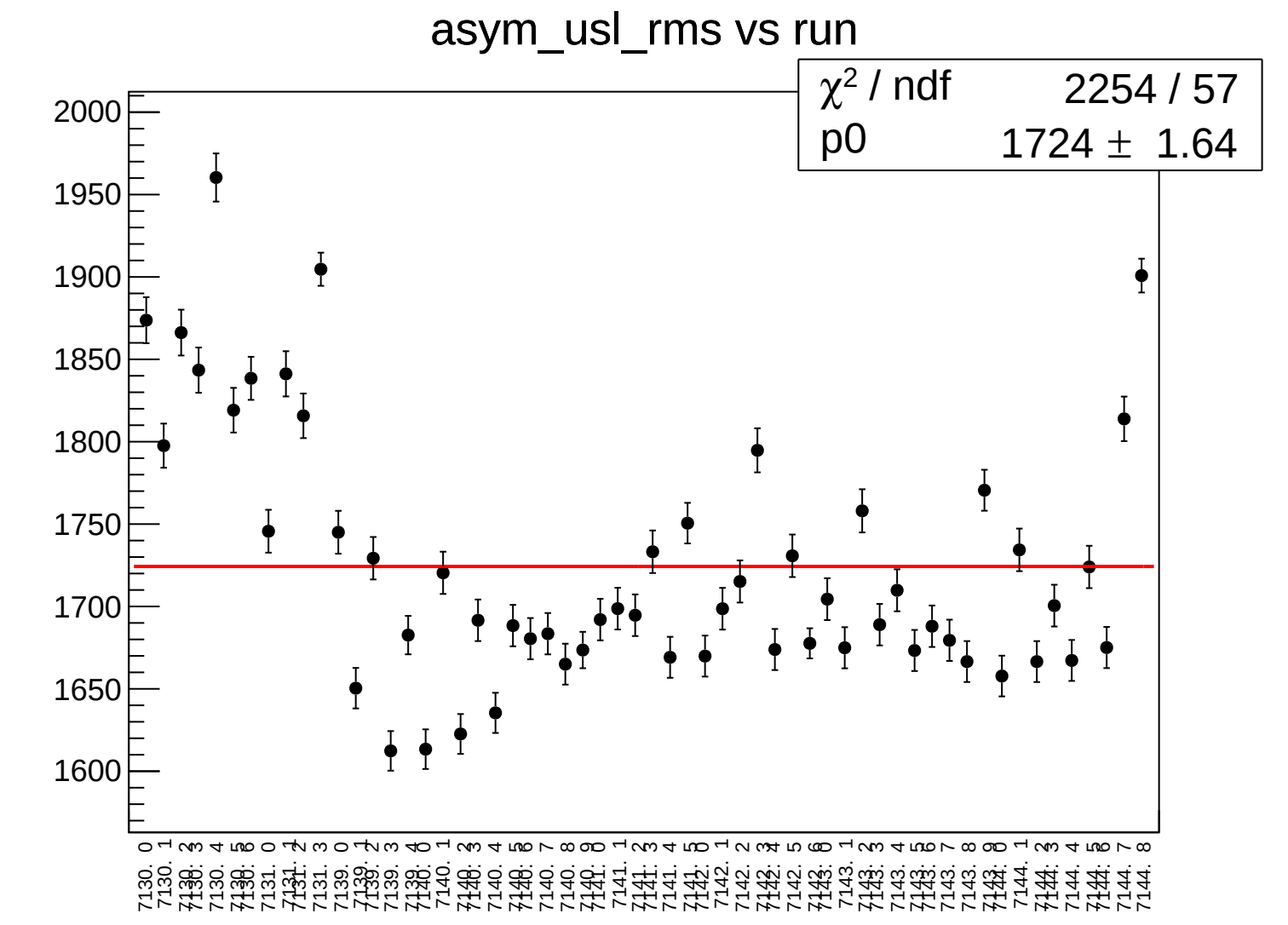

asym_usl_correction_mean vs run
χ² / ndf 59.98 / 57
p0 1153 ± 1781
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −206.8
Std Dev 237.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

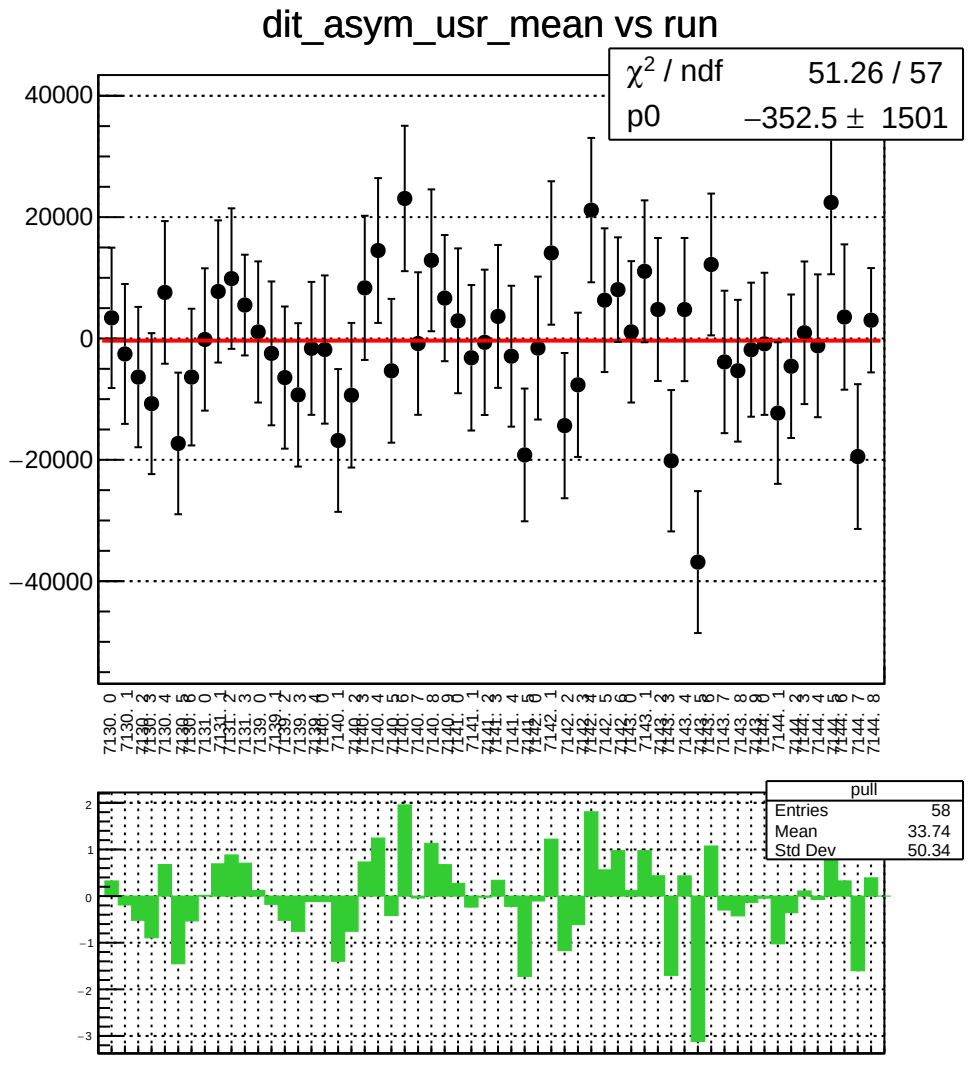

pull1D
Entries 58
Mean −0.01551
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

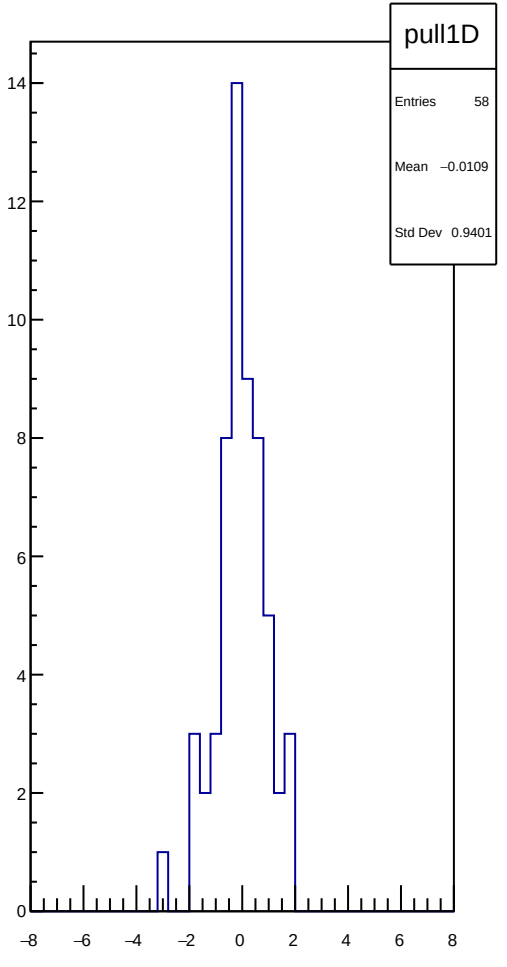

asym_usl_correction_rms vs run
χ² / ndf 4894 / 57
p0 1323 ± 1.26
1600
1550
1500
1450
1400
1350
1300
1250
1200
1150

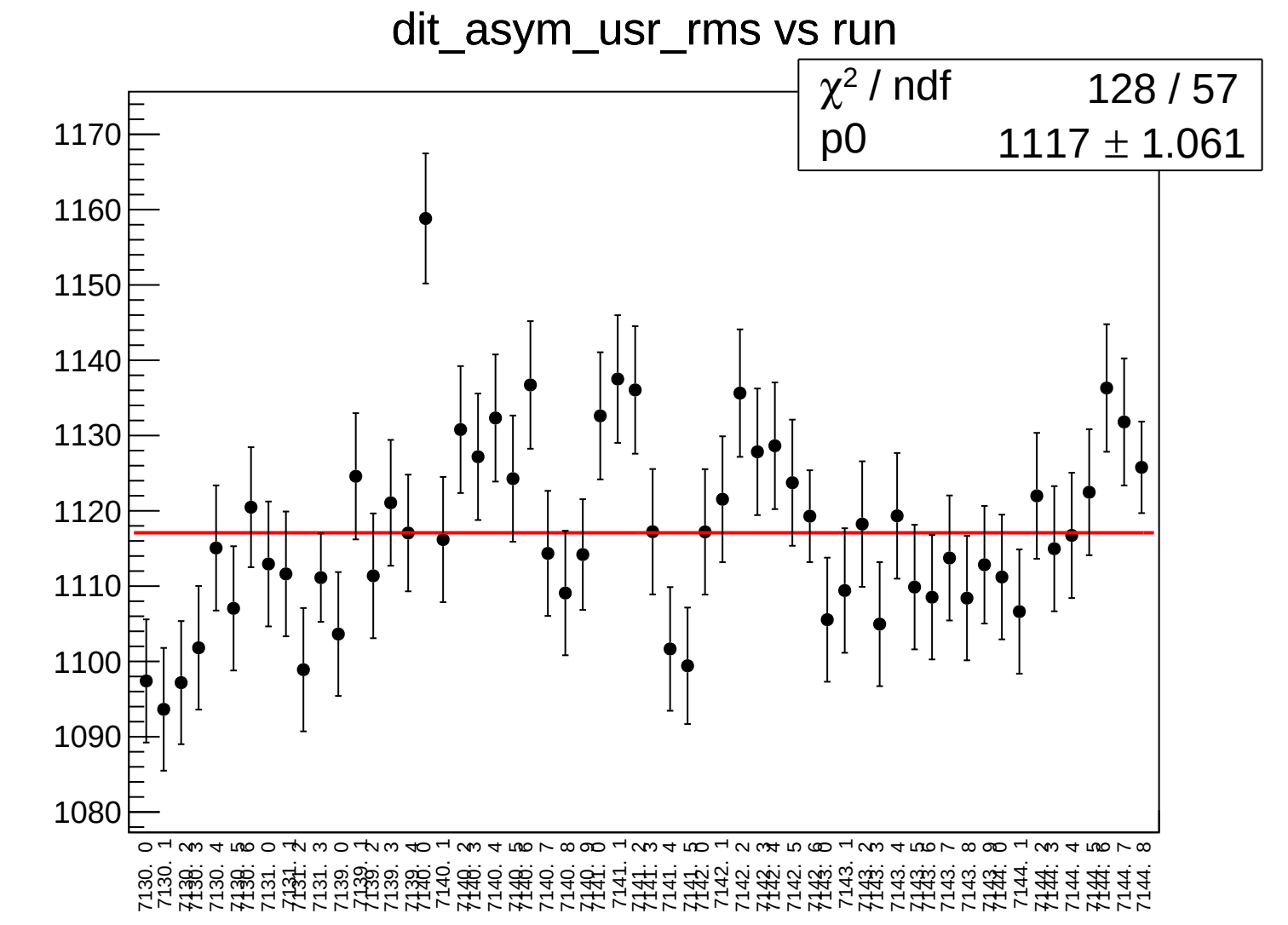

asym_usl_mean vs run
χ^2 / ndf 60.2 / 57
p0 −2253 ± 2319
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean −177.6
Std Dev 205.1
2
1
0
−1
−2

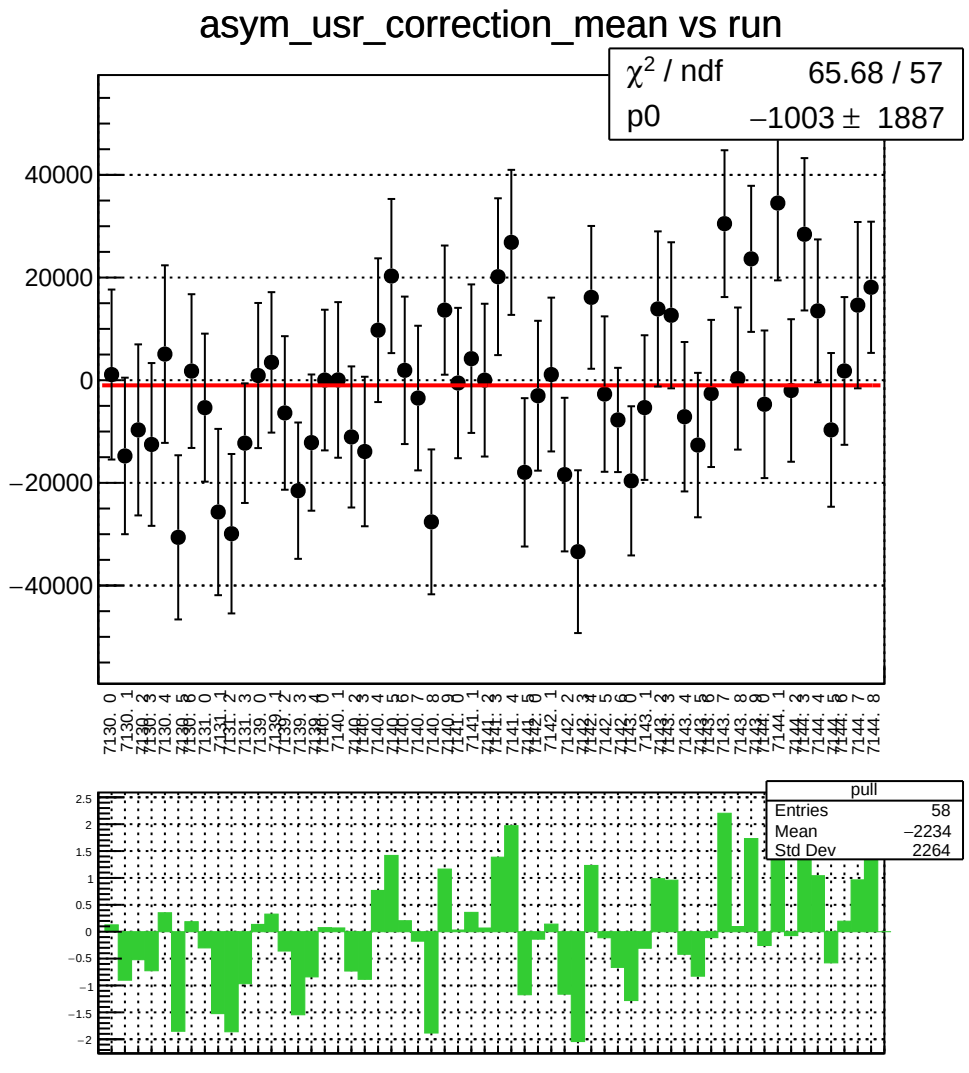

pull1D
Entries 58
Mean 0.004626
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

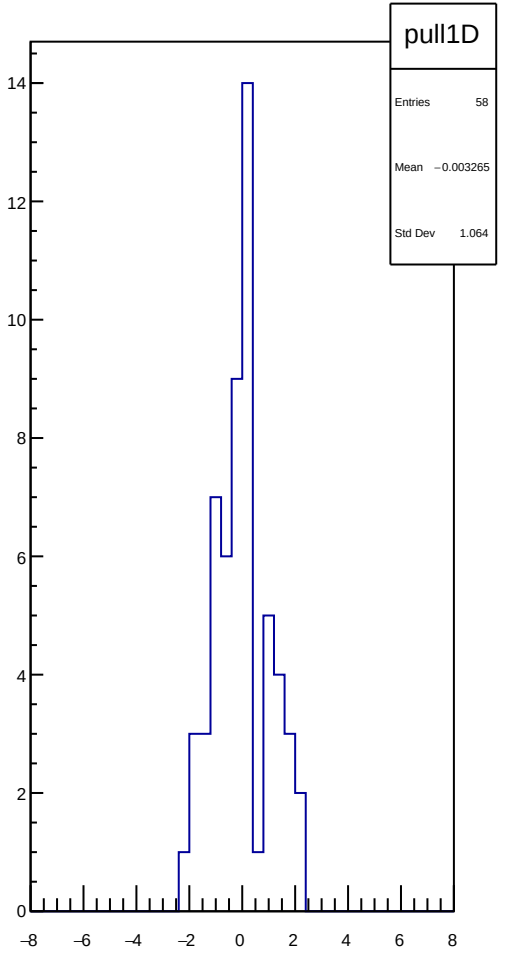

asym_usl_rms vs run
χ² / ndf 2254 / 57
p0 1724 ± 1.64
2000
1950
1900
1850
1800
1750
1700
1650
1600

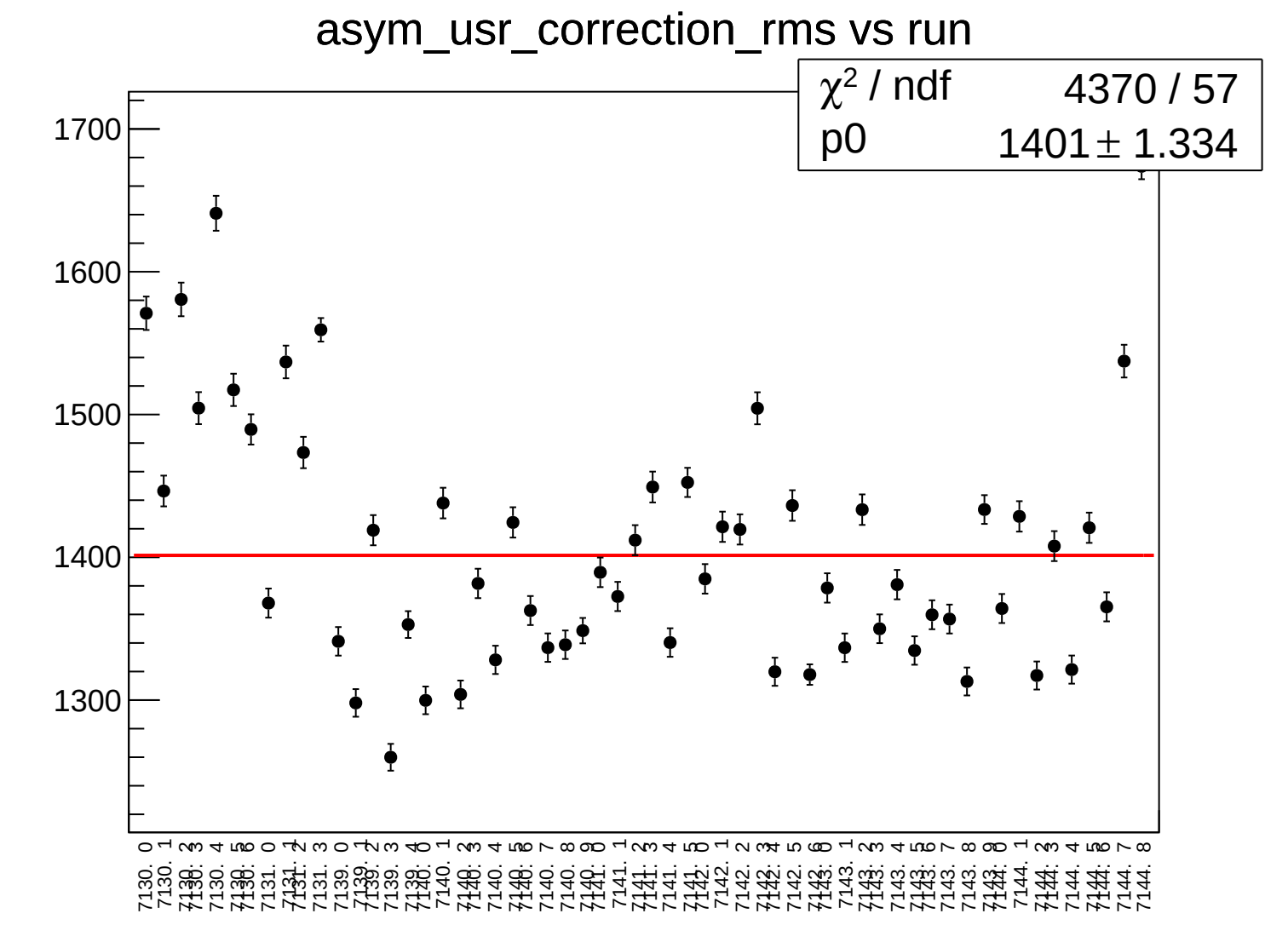

dit_asym_usr_mean vs run
χ² / ndf 51.26 / 57
p0 −352.5 ± 1501
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 33.74
Std Dev 50.34
2
1
0
−1
−2
−3

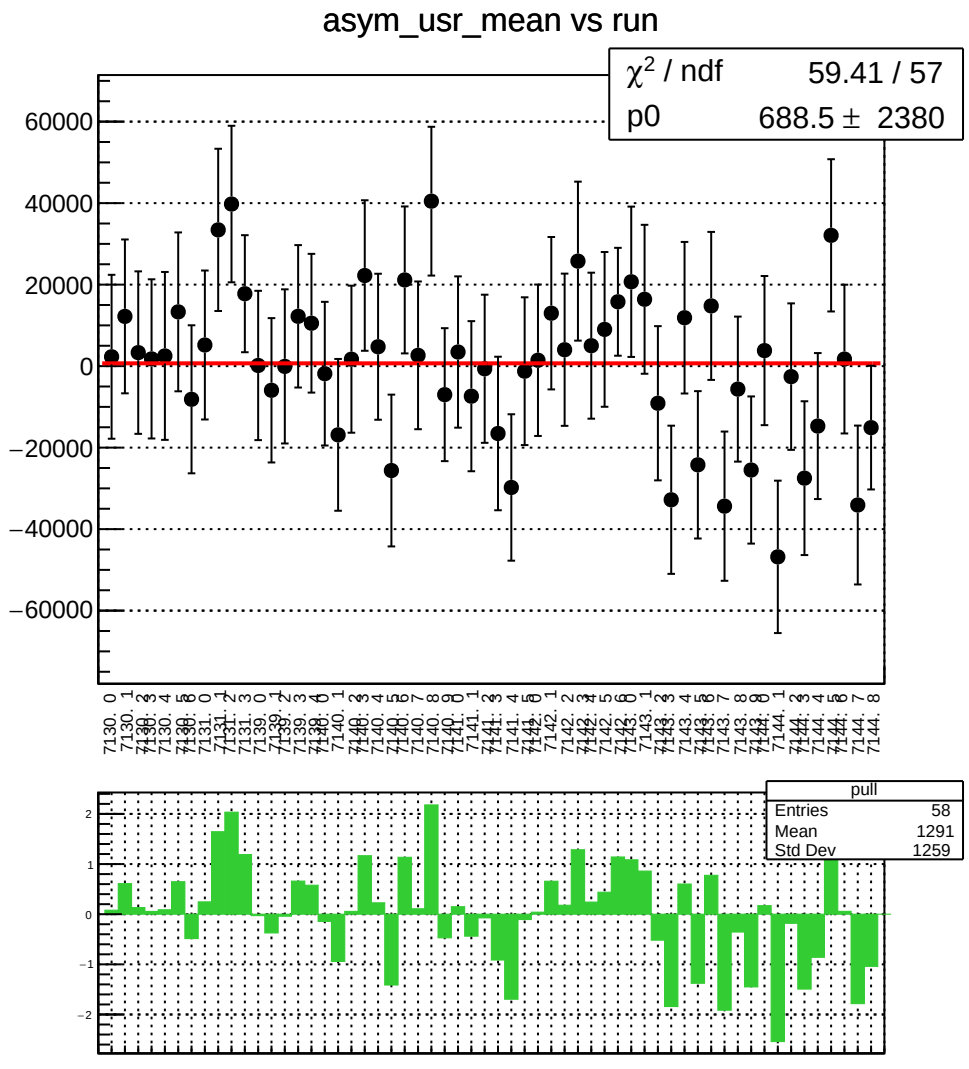

pull1D
Entries 58
Mean −0.0109
Std Dev 0.9401
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

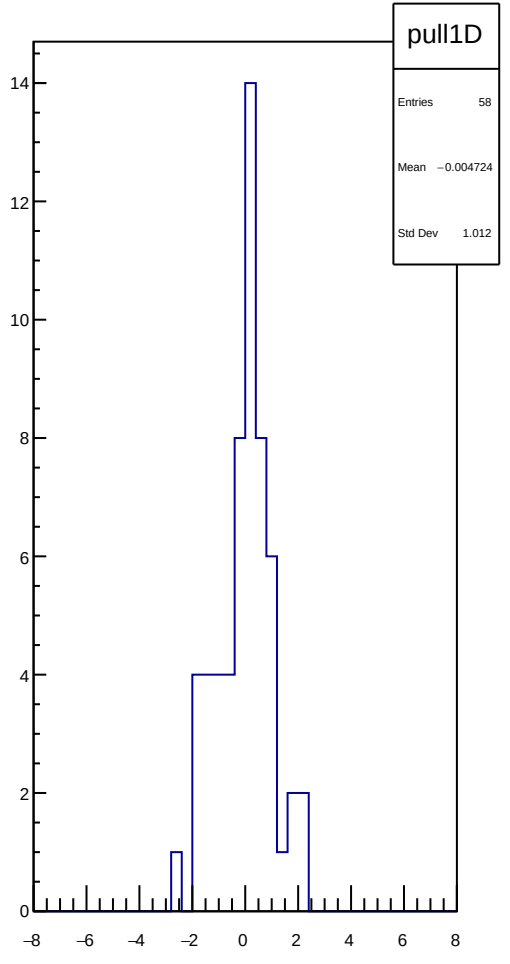

dit_asym_usr_rms vs run
χ² / ndf 128 / 57
p0 1117 ± 1.061
1170
1160
1150
1140
1130
1120
1110
1100
1090
1080

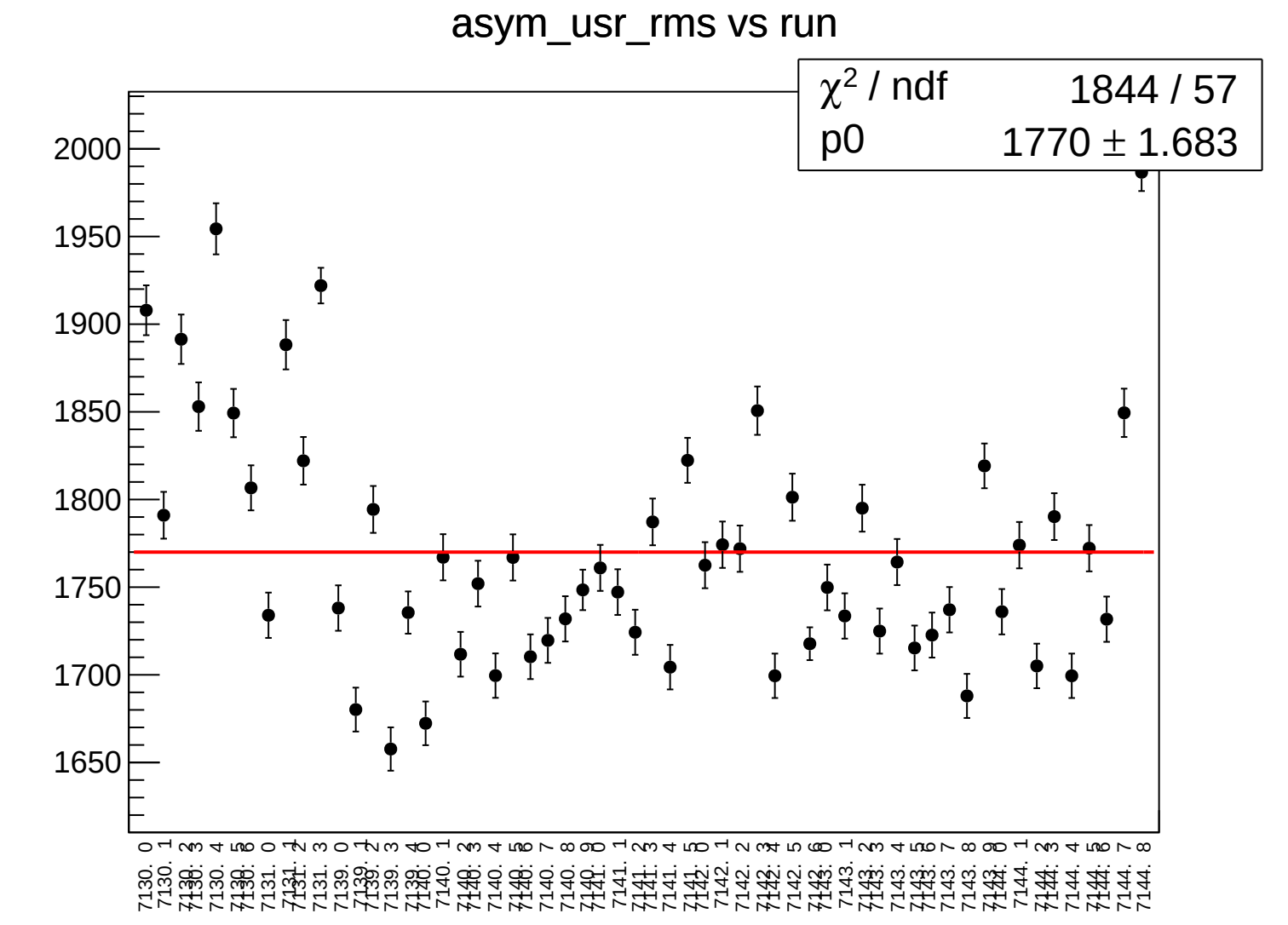

asym_usr_correction_mean vs run
χ² / ndf 65.68 / 57
p0 −1003 ± 1887
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −2234
Std Dev 2264
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

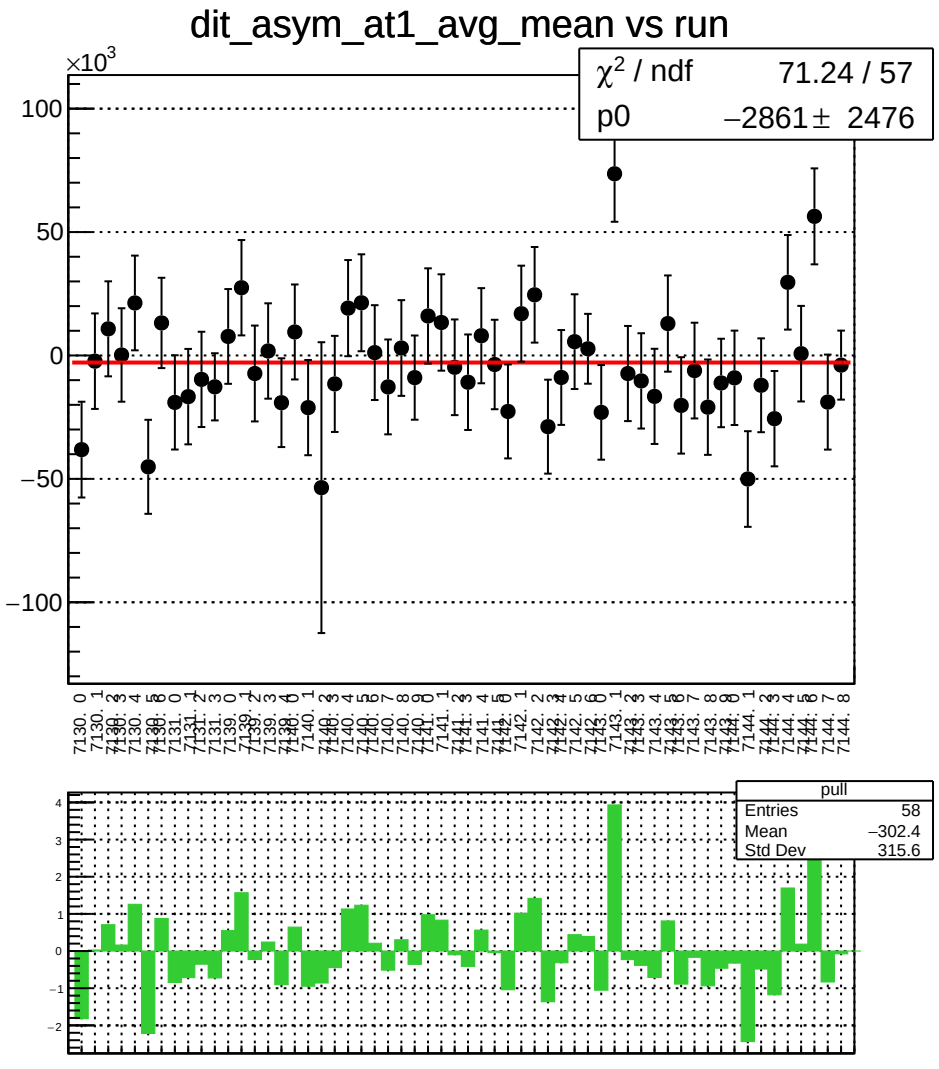

pull1D
Entries 58
Mean −0.003265
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

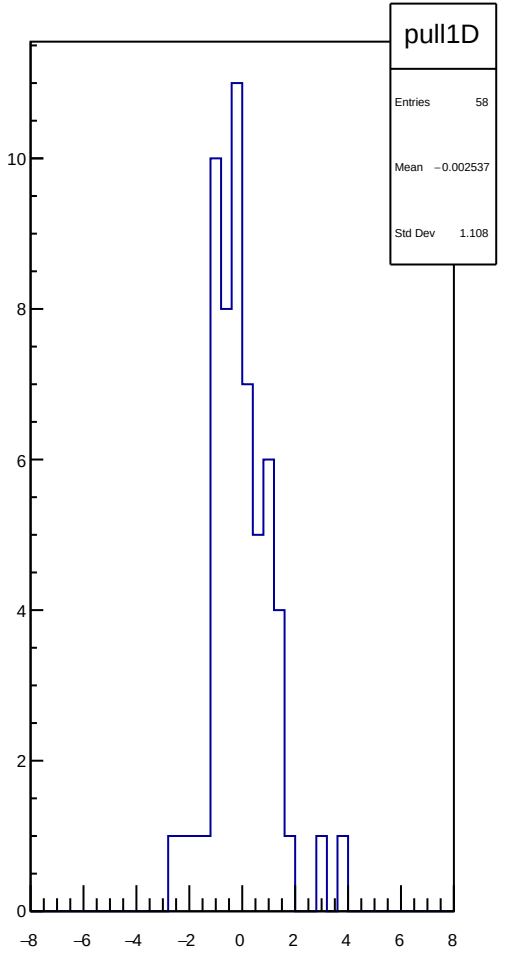

asym_usr_correction_rms vs run
χ² / ndf 4370 / 57
p0 1401 ± 1.334
1700
1600
1500
1400
1300
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 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

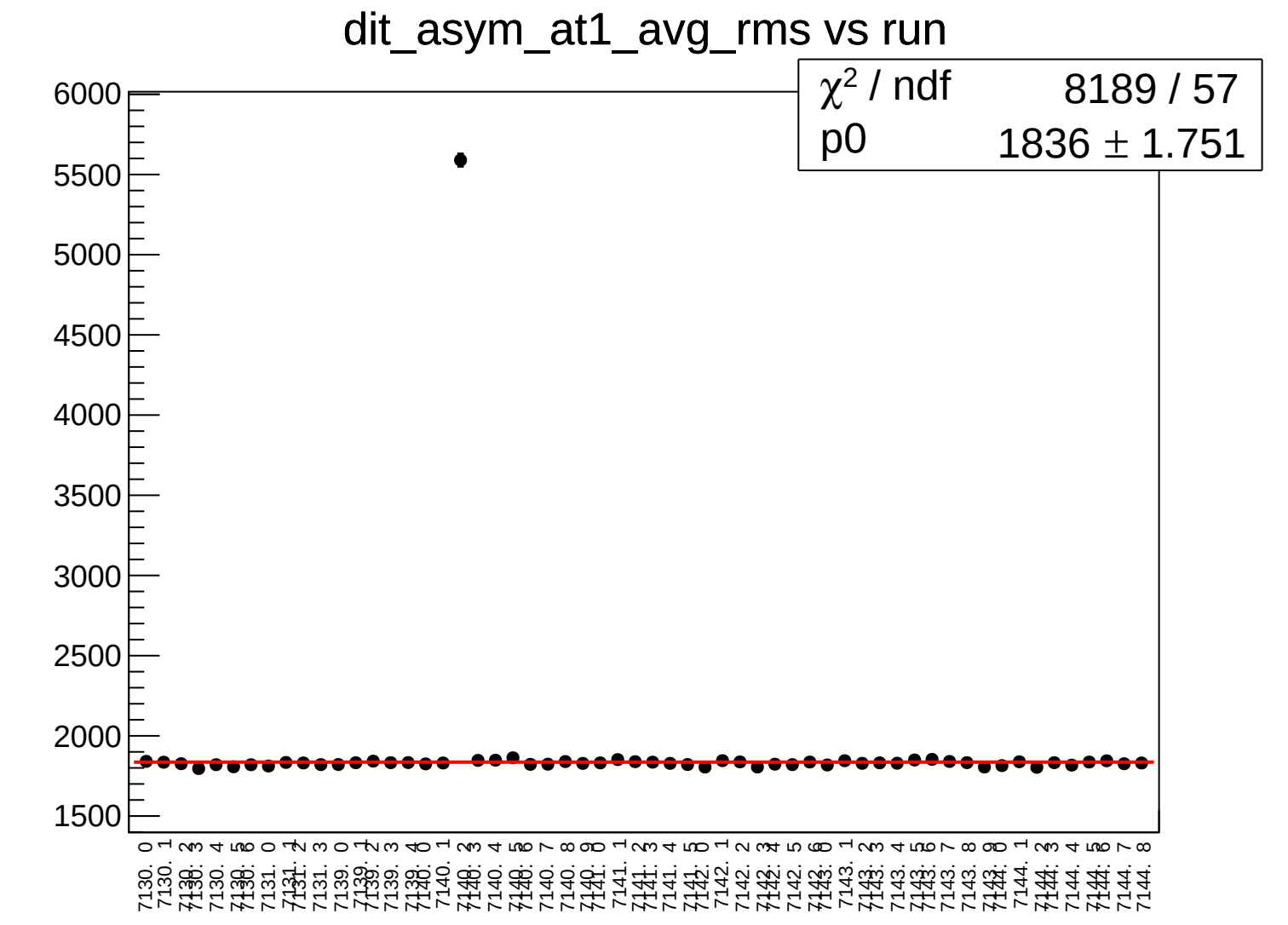

asym_usr_mean vs run
χ² / ndf 59.41 / 57
p0 688.5 ± 2380
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 1291
Std Dev 1259
2
1
0
−1
−2

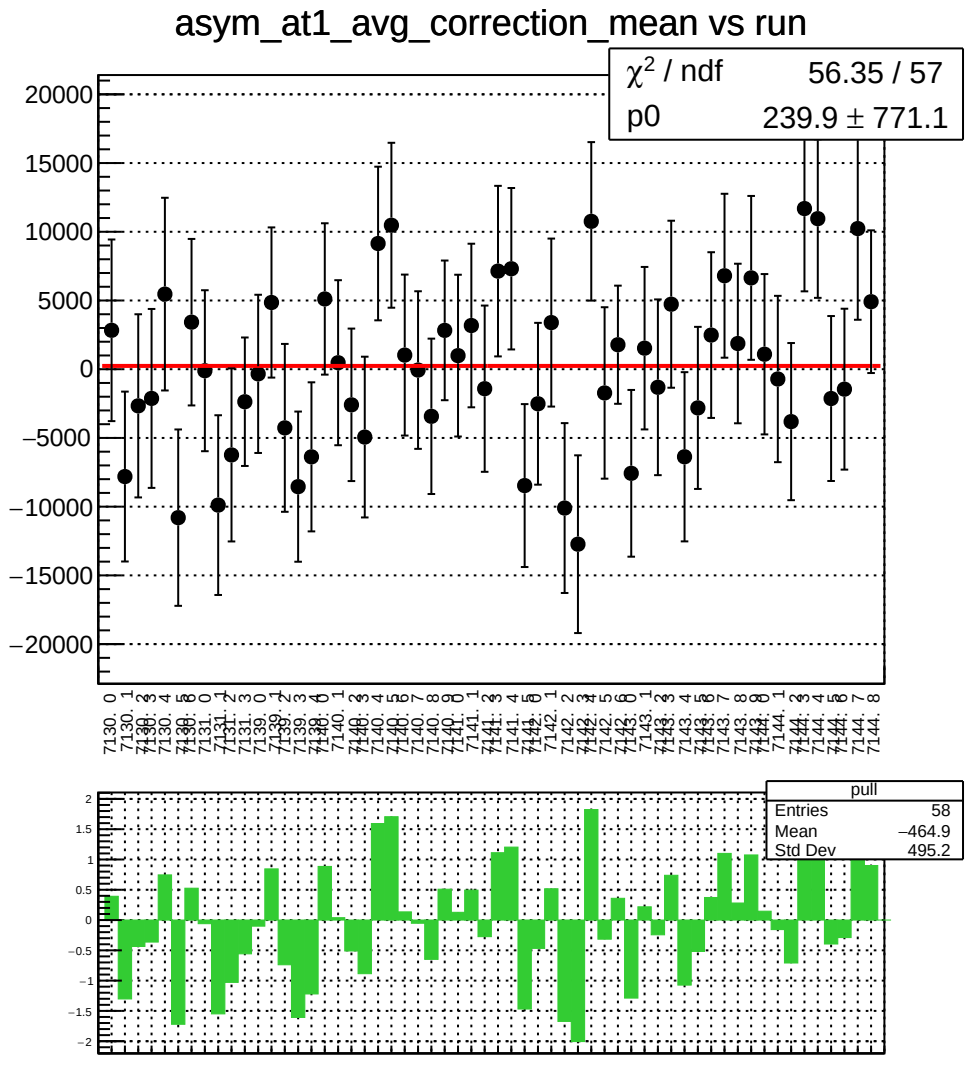

pull1D
Entries 58
Mean −0.004724
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

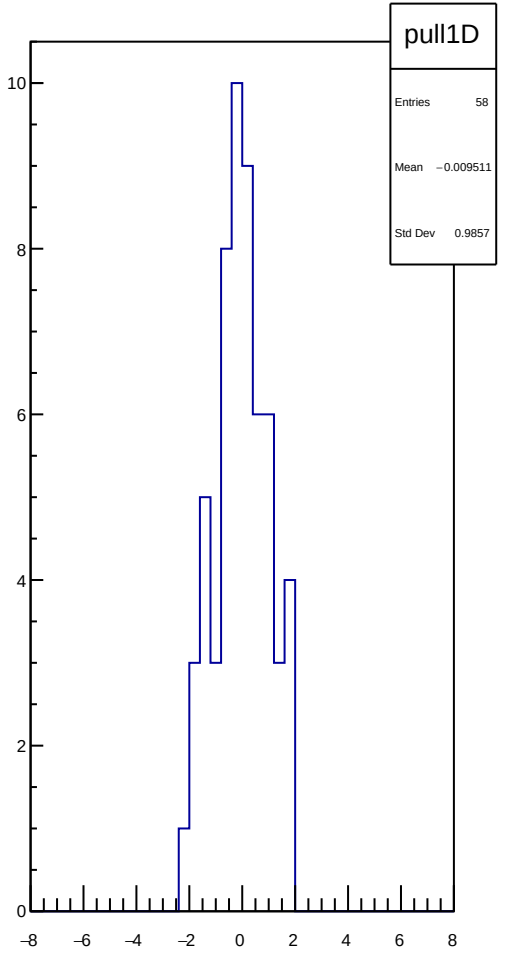

asym_usr_rms vs run
χ² / ndf 1844 / 57
p0 1770 ± 1.683
2000
1950
1900
1850
1800
1750
1700
1650

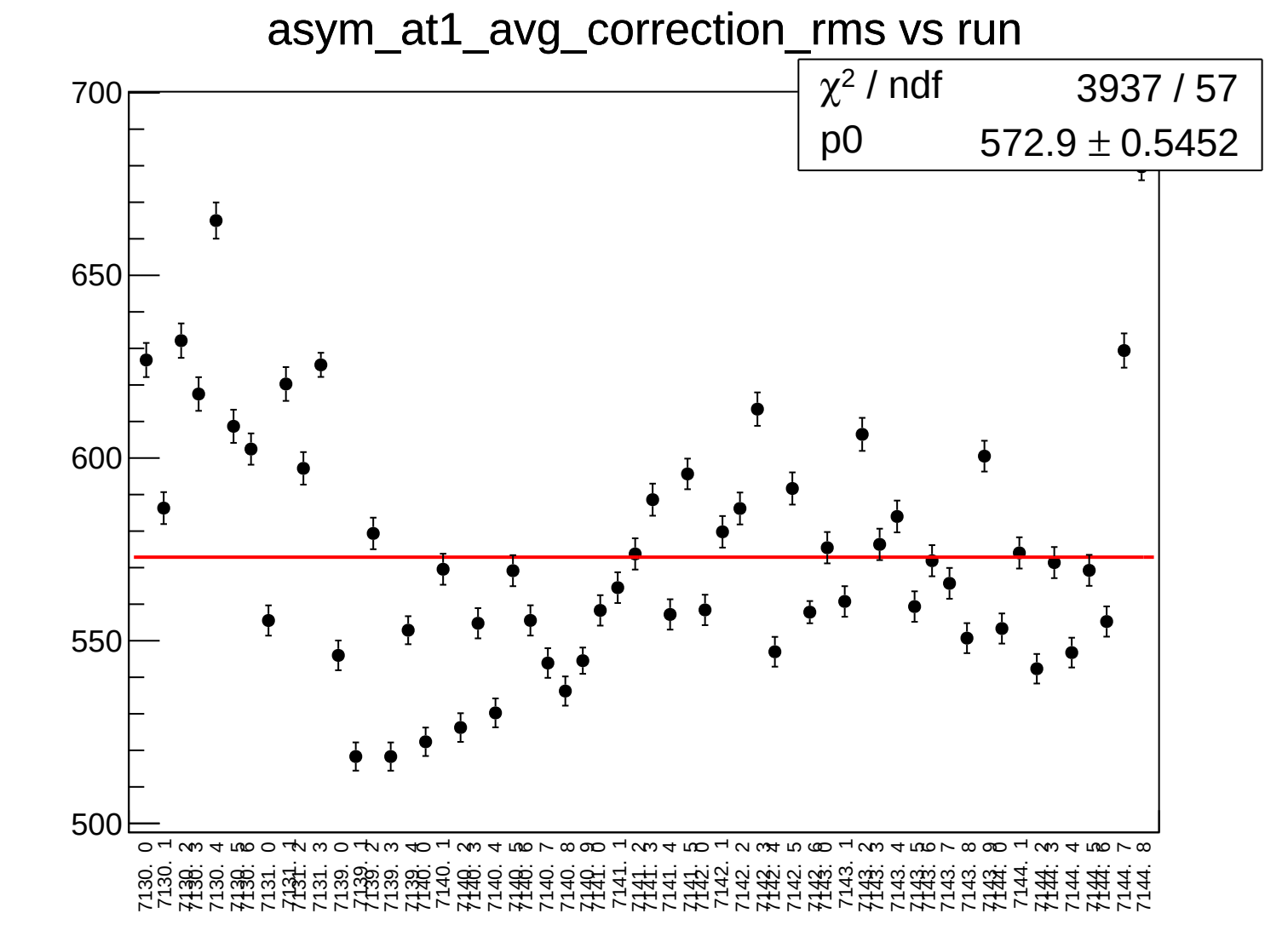

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 71.24 / 57
p0 −2861 ± 2476
100
50
0
−50
−100
pull
Entries 58
Mean −302.4
Std Dev 315.6
4
3
2
1
0
−1
−2

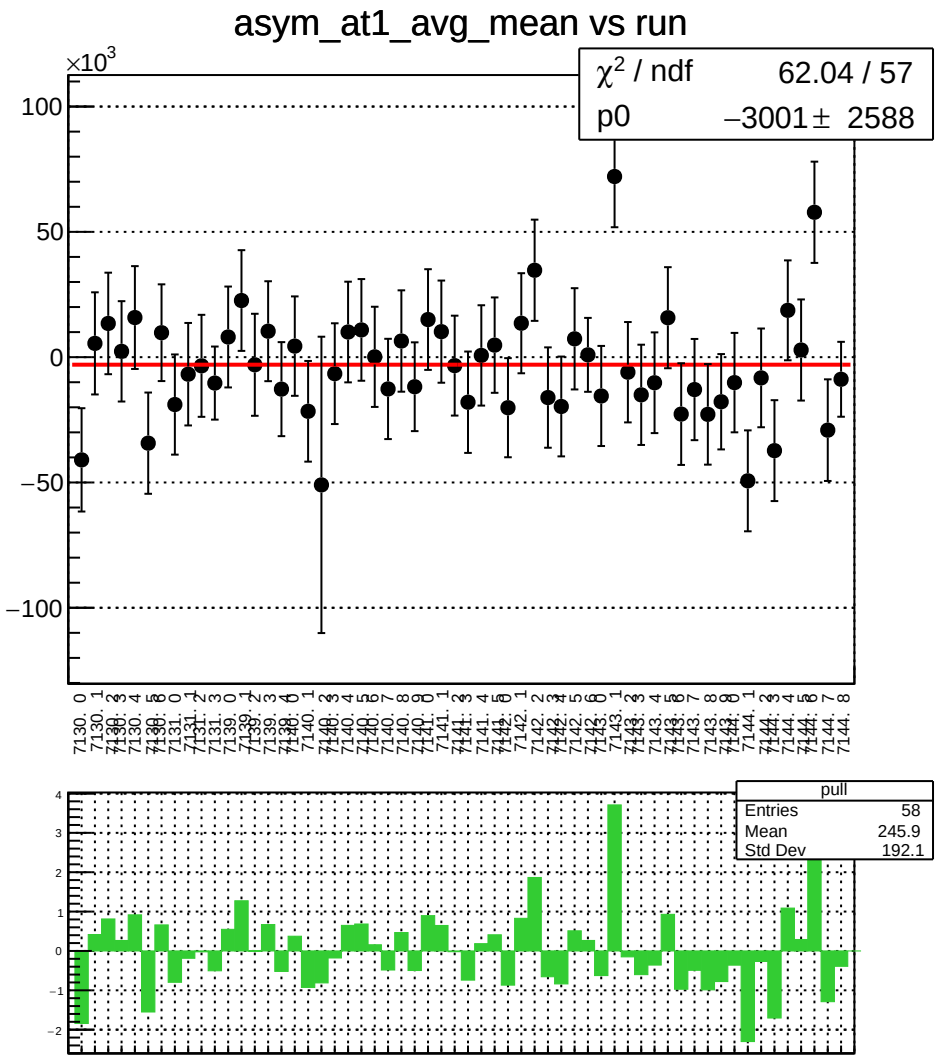

pull1D
Entries 58
Mean −0.002537
Std Dev 1.108
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

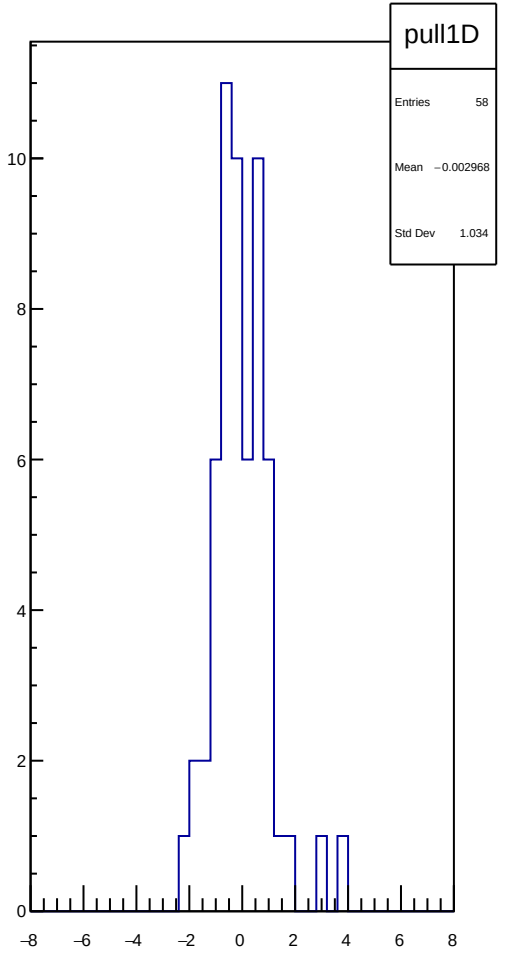

dit_asym_at1_avg_rms vs run
χ² / ndf 8189 / 57
p0 1836 ± 1.751
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 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

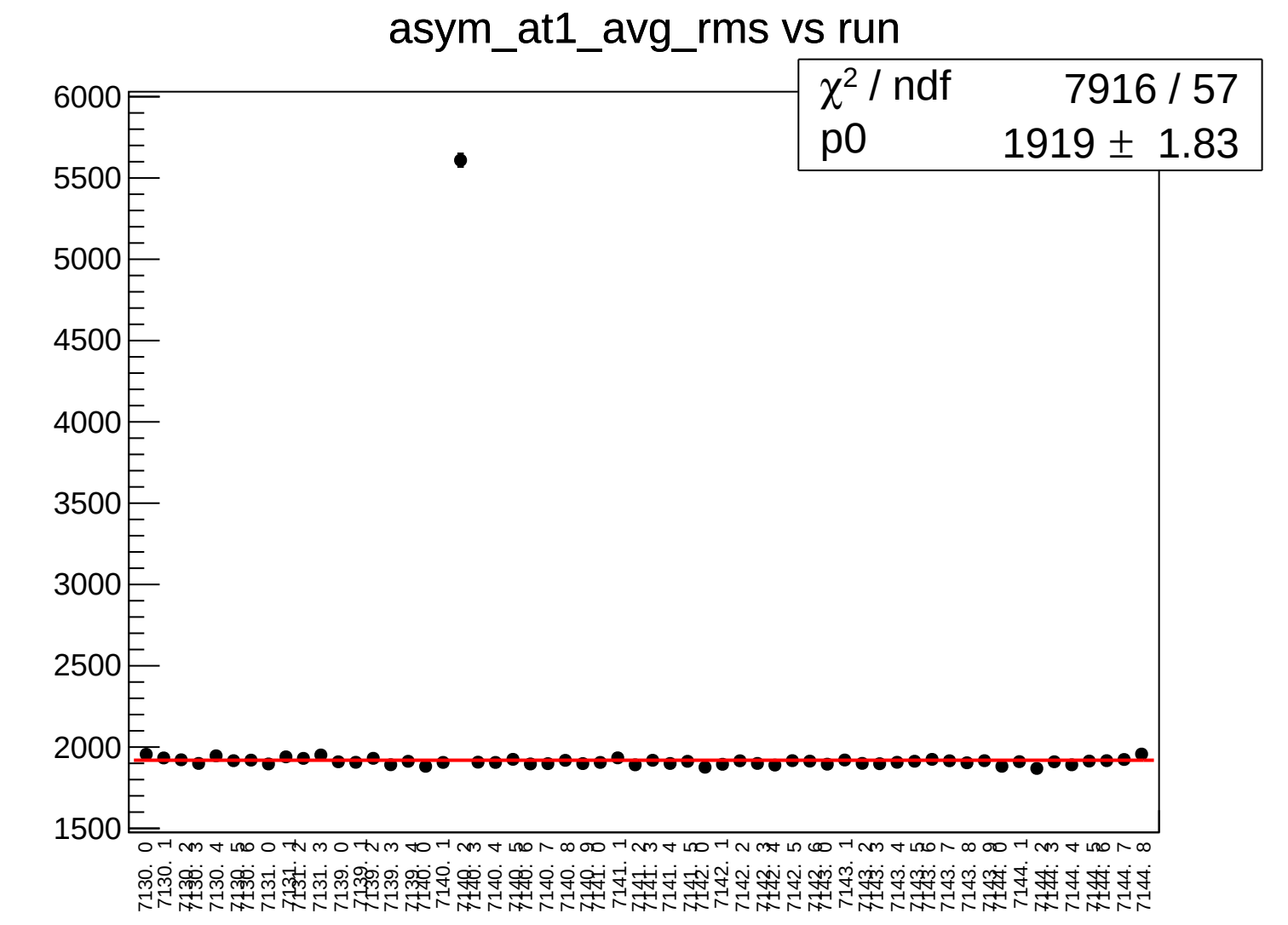

asym_at1_avg_correction_mean vs run
χ² / ndf 56.35 / 57
p0 239.9 ± 771.1
pull
Entries 58
Mean −464.9
Std Dev 495.2

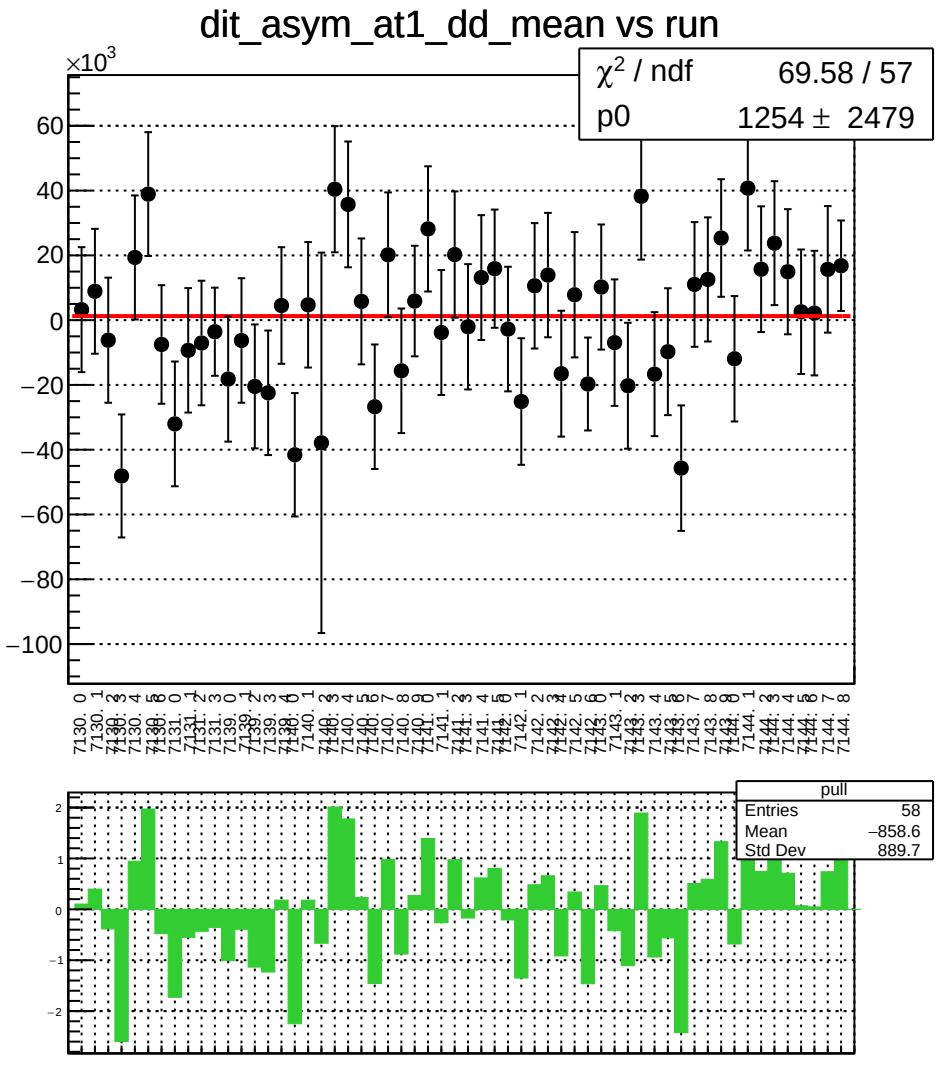

pull1D
Entries 58
Mean −0.009511
Std Dev 0.9857

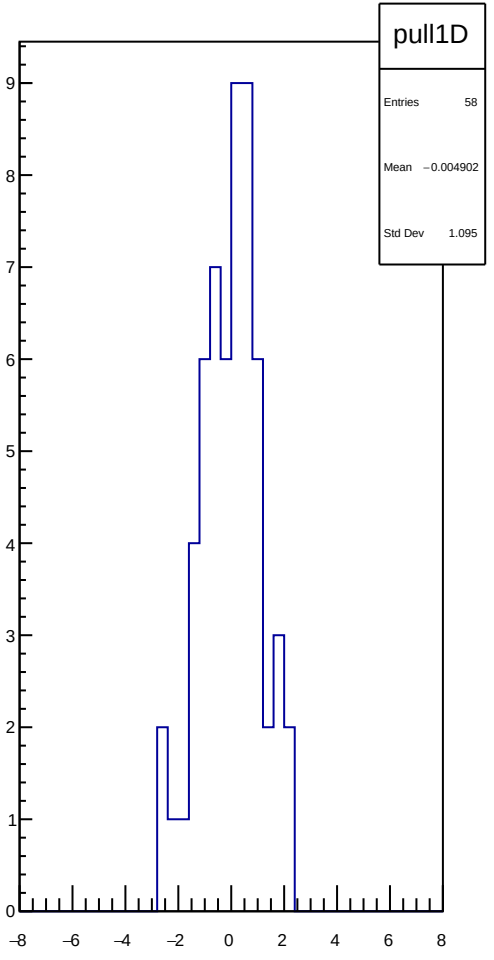

asym_at1_avg_correction_rms vs run
χ² / ndf 3937 / 57
p0 572.9 ± 0.5452
700
650
600
550
500

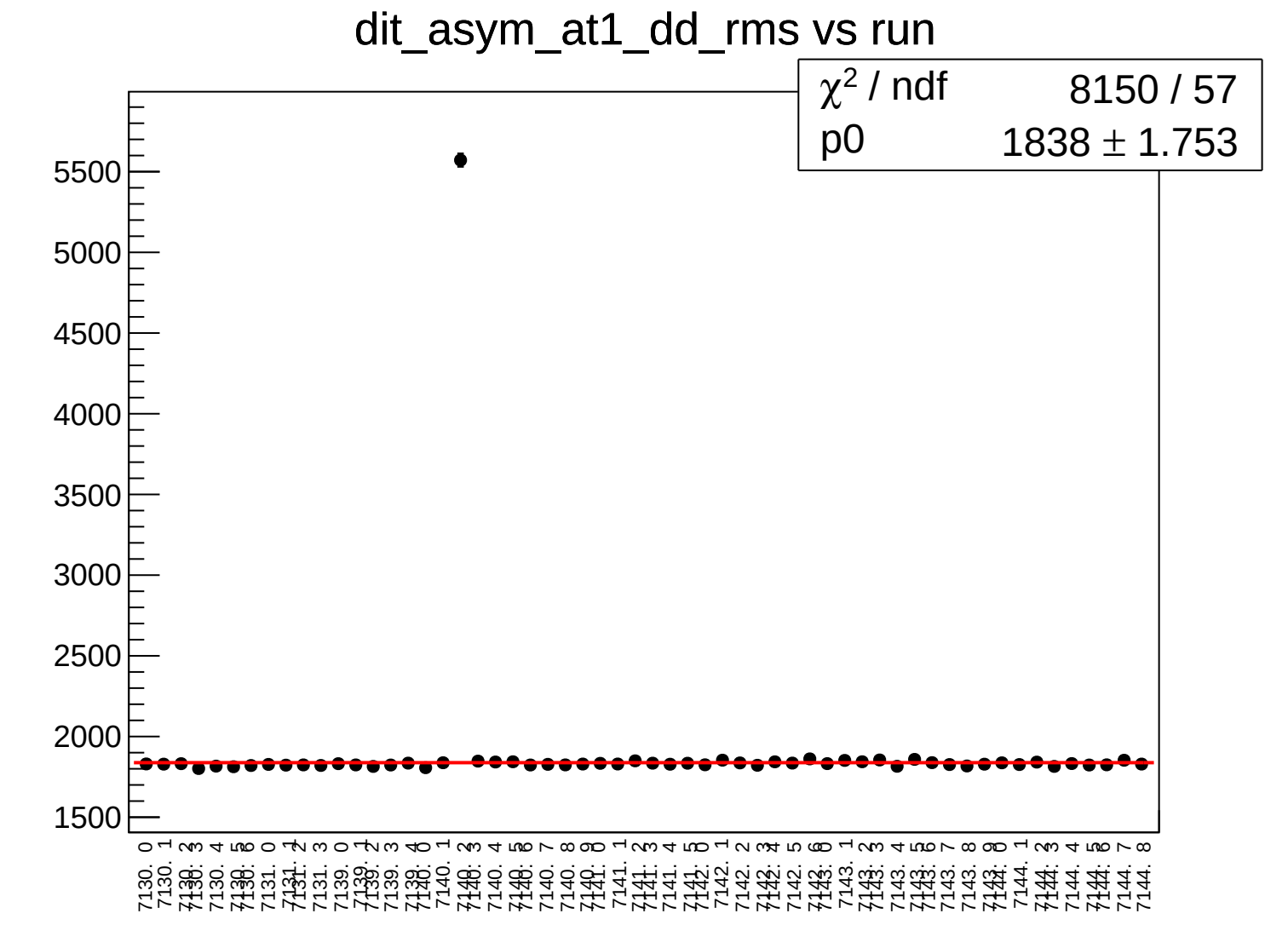

asym_at1_avg_mean vs run
×10^3
χ² / ndf 62.04 / 57
p0 −3001 ± 2588
100
50
0
−50
−100
pull
Entries 58
Mean 245.9
Std Dev 192.1
4
3
2
1
0
−1
−2

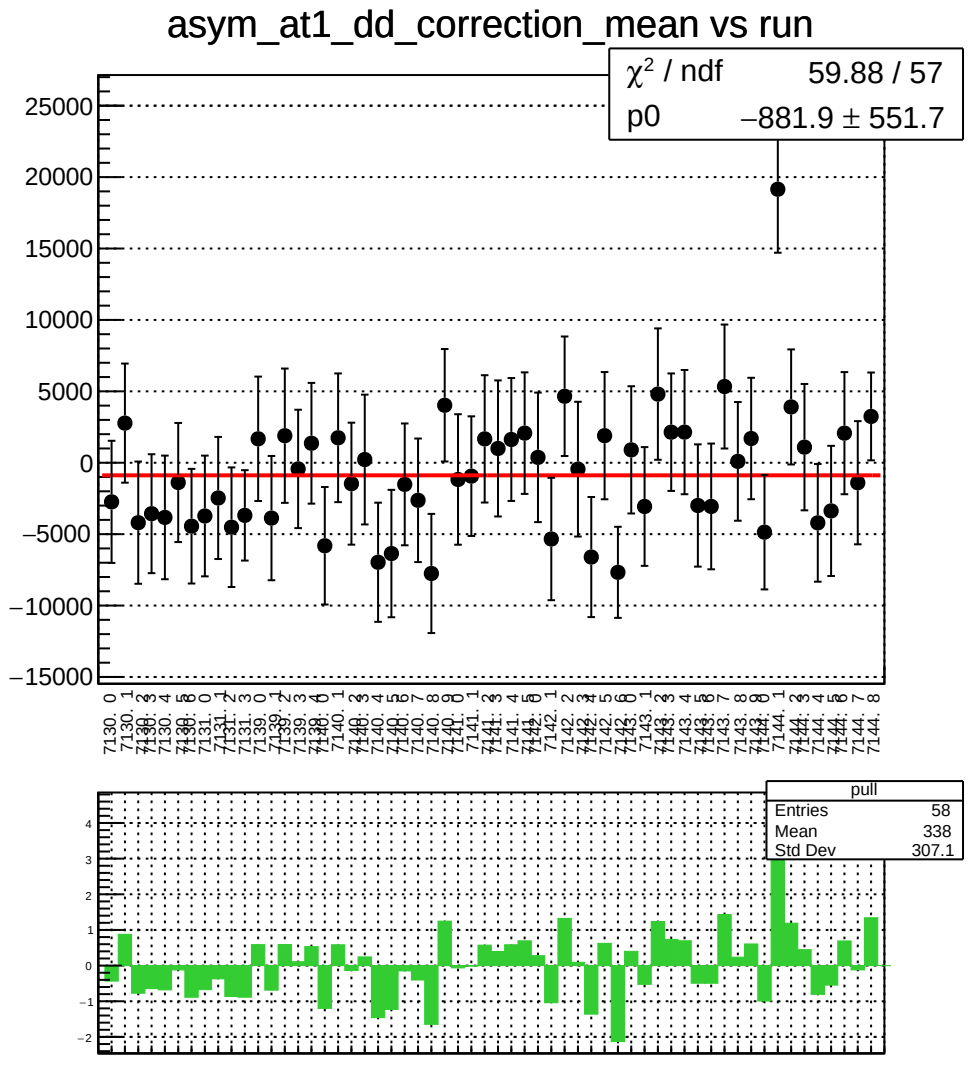

pull1D
Entries 58
Mean −0.002968
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

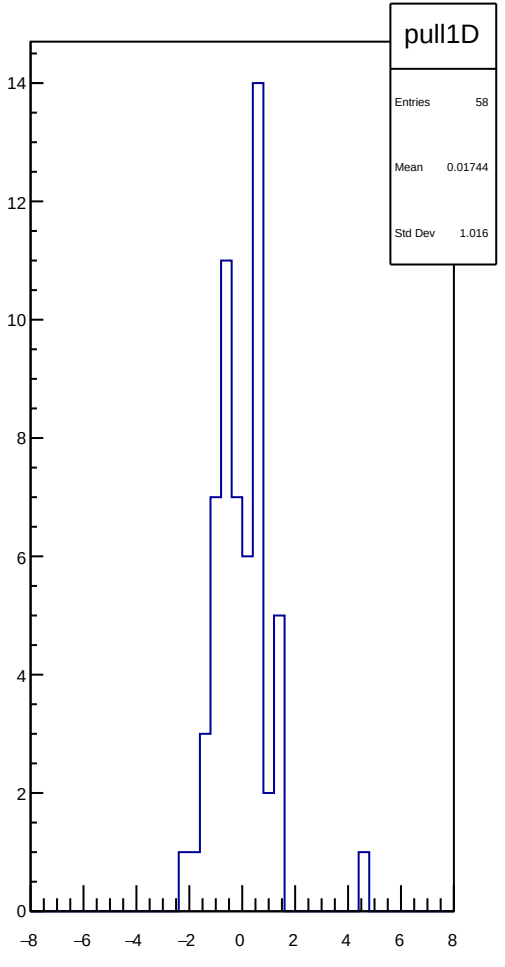

asym_at1_avg_rms vs run
χ² / ndf 7916 / 57
p0 1919 ± 1.83
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

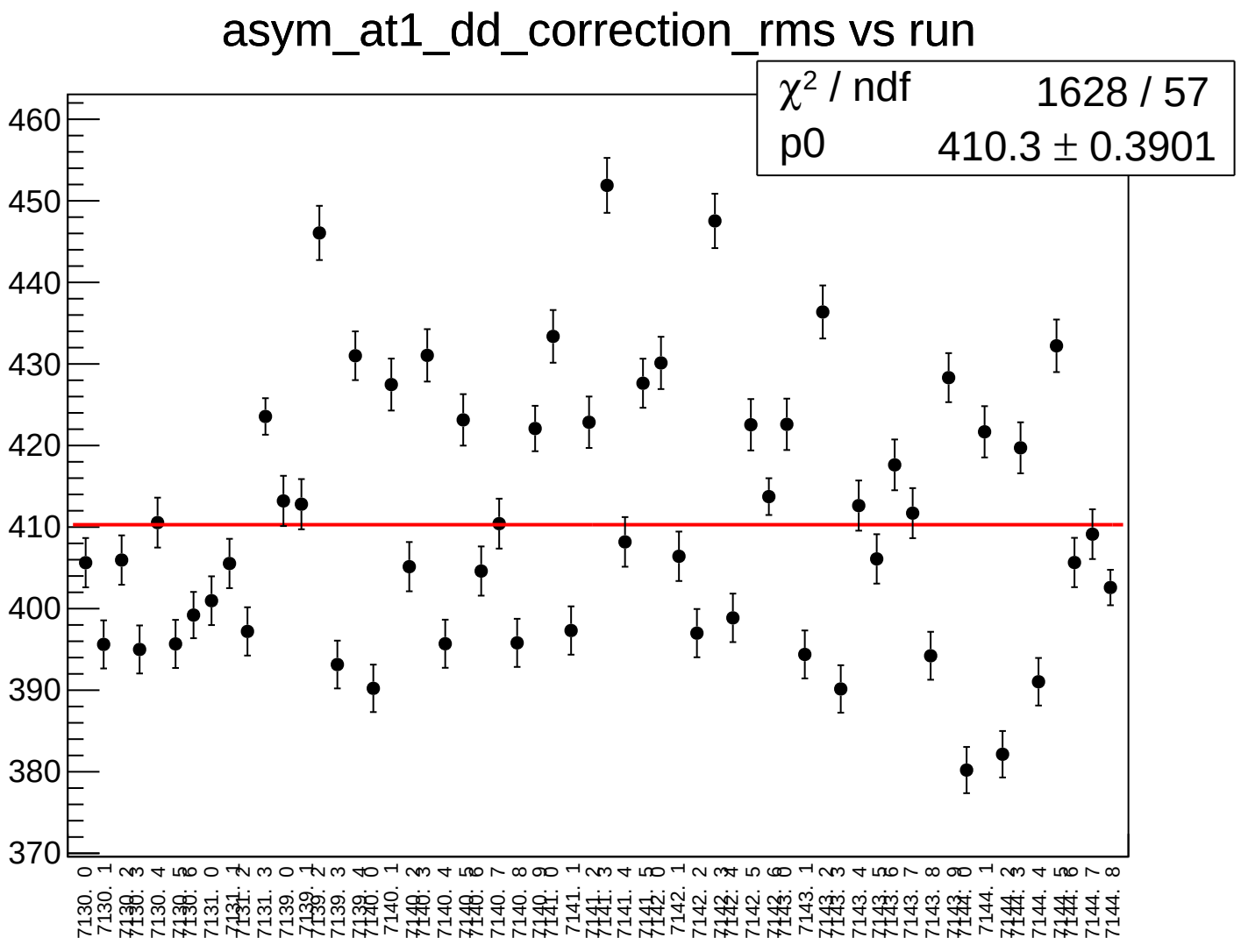

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 69.58 / 57
p0 1254 ± 2479
pull
Entries 58
Mean −858.6
Std Dev 889.7

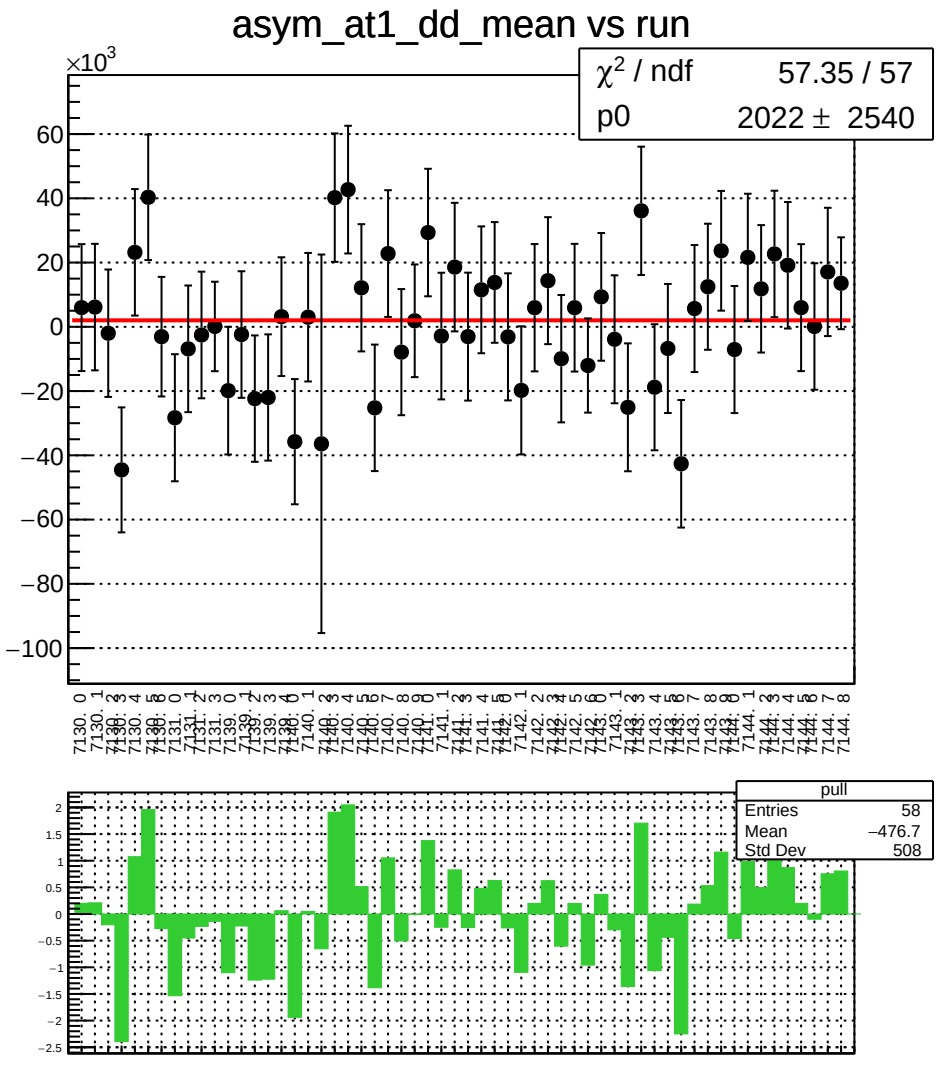

pull1D
Entries 58
Mean −0.004902
Std Dev 1.095

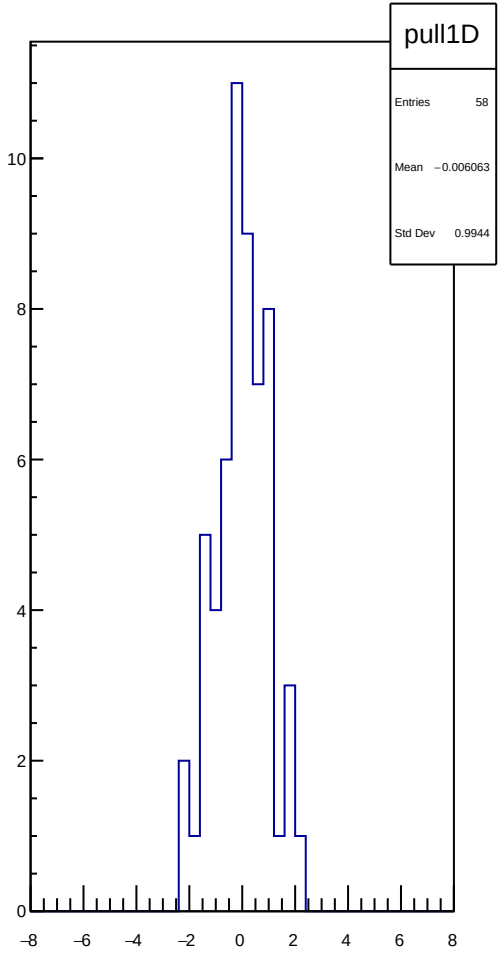

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8150 / 57
p0 1838 ± 1.753
5500
5000
4500
4000
3500
3000
2500
2000
1500
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 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

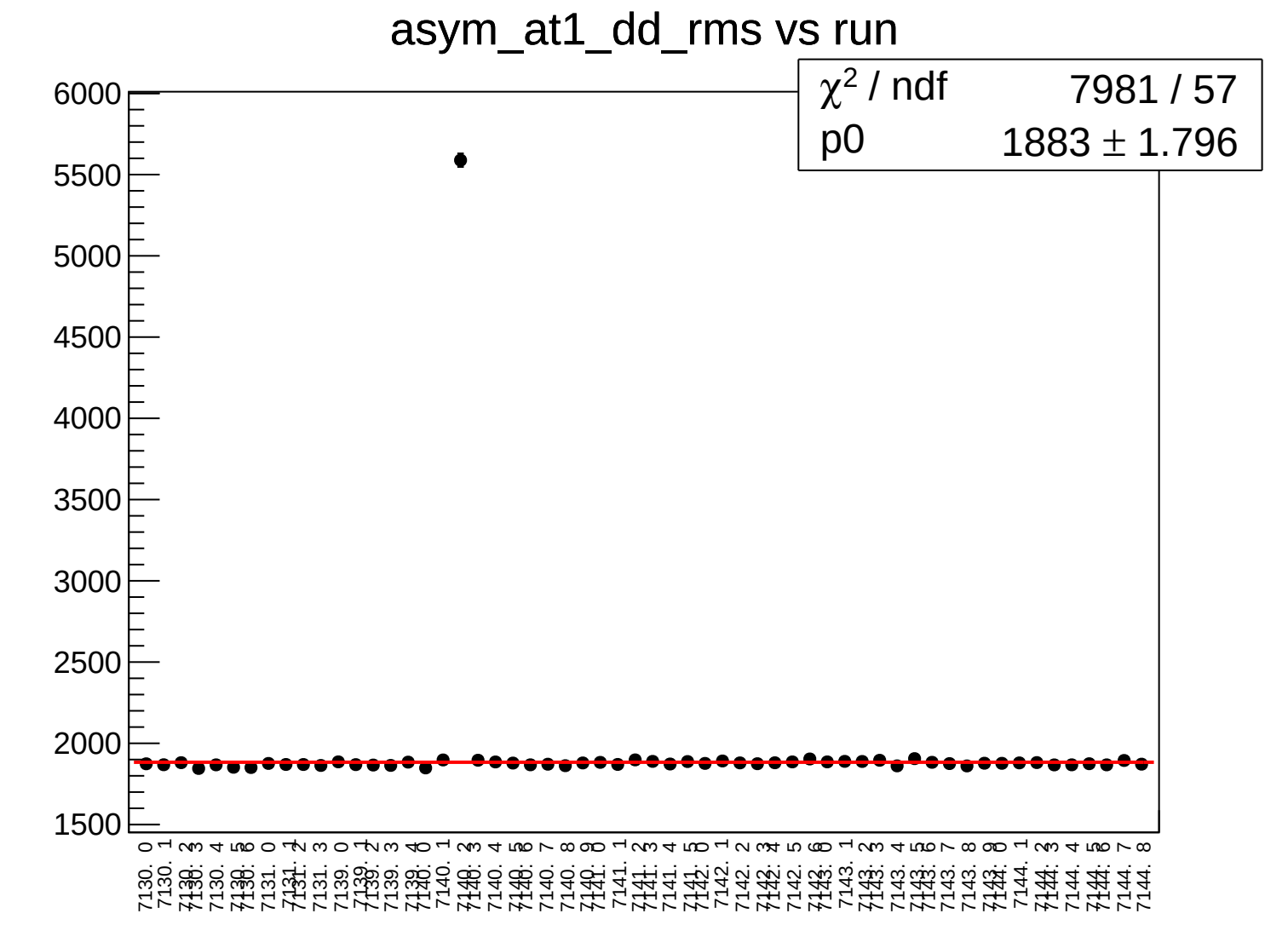

asym_at1_dd_correction_mean vs run
χ² / ndf 59.88 / 57
p0 −881.9 ± 551.7
pull
Entries 58
Mean 338
Std Dev 307.1

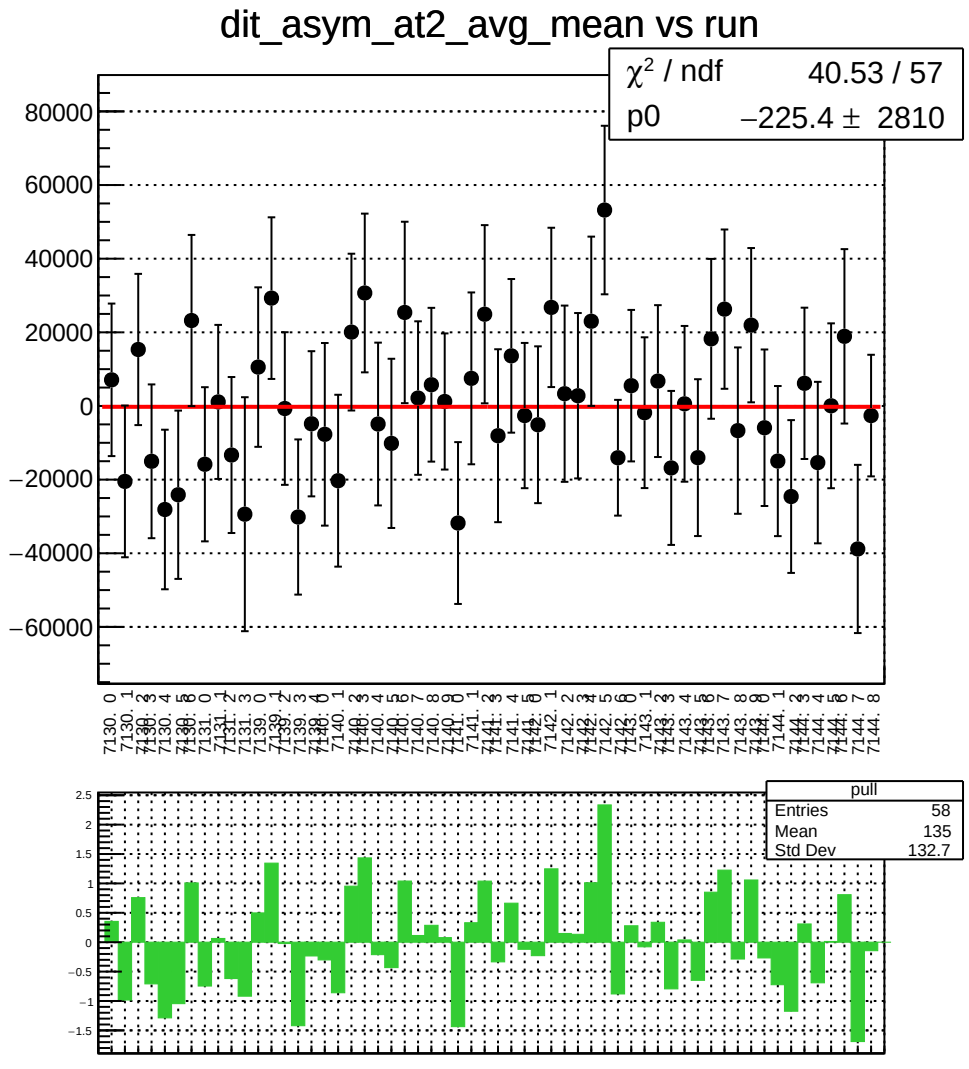

pull1D
Entries 58
Mean 0.01744
Std Dev 1.016

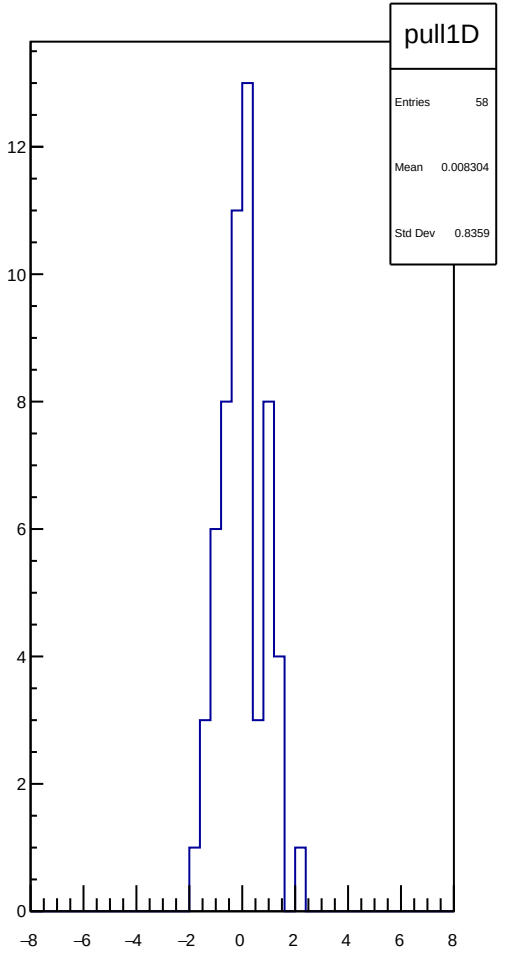

asym_at1_dd_correction_rms vs run
χ² / ndf 1628 / 57
p0 410.3 ± 0.3901
460
450
440
430
420
410
400
390
380
370

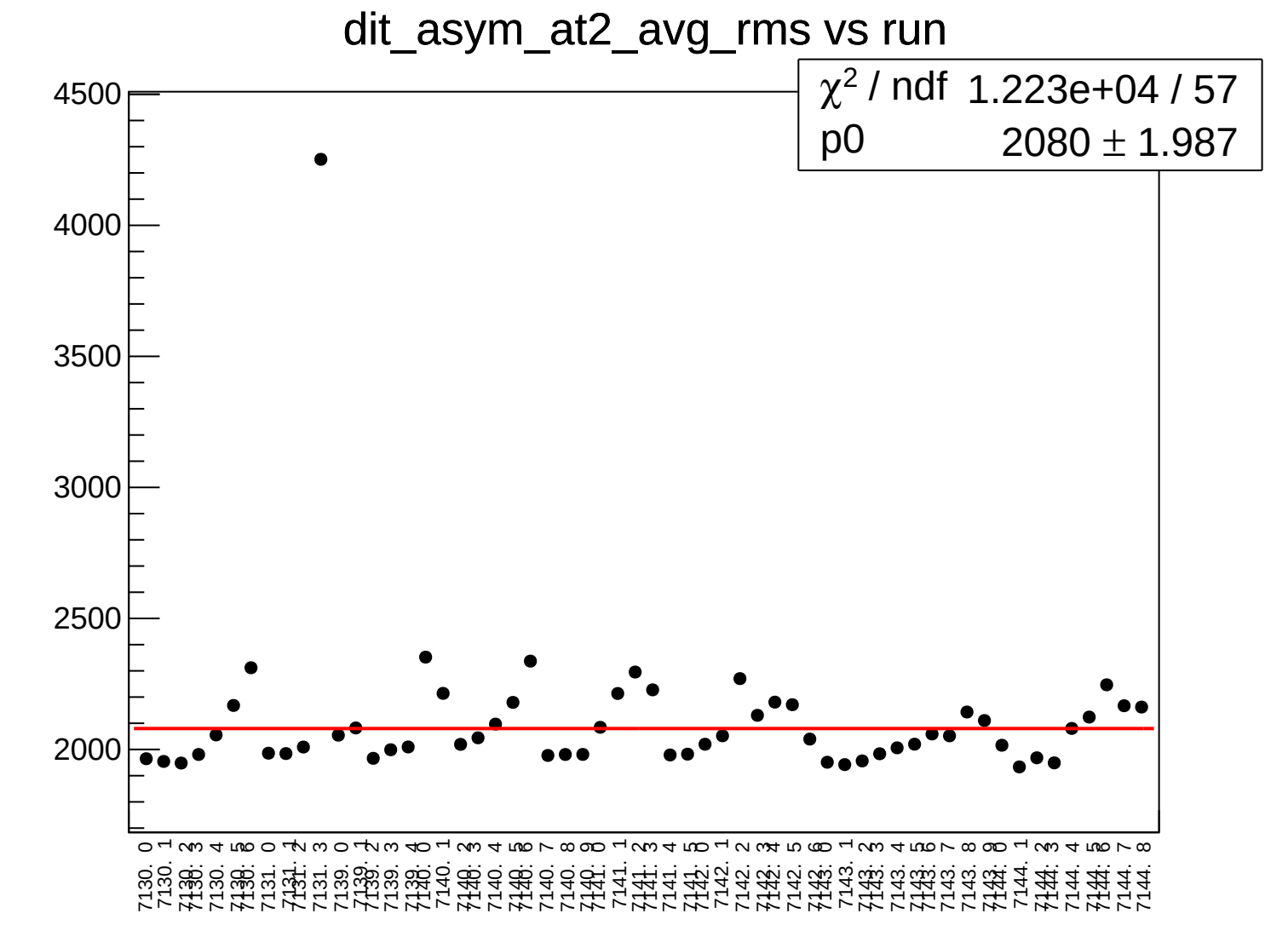

asym_at1_dd_mean vs run
×10^3
χ² / ndf 57.35 / 57
p0 2022 ± 2540
pull
Entries 58
Mean −476.7
Std Dev 508

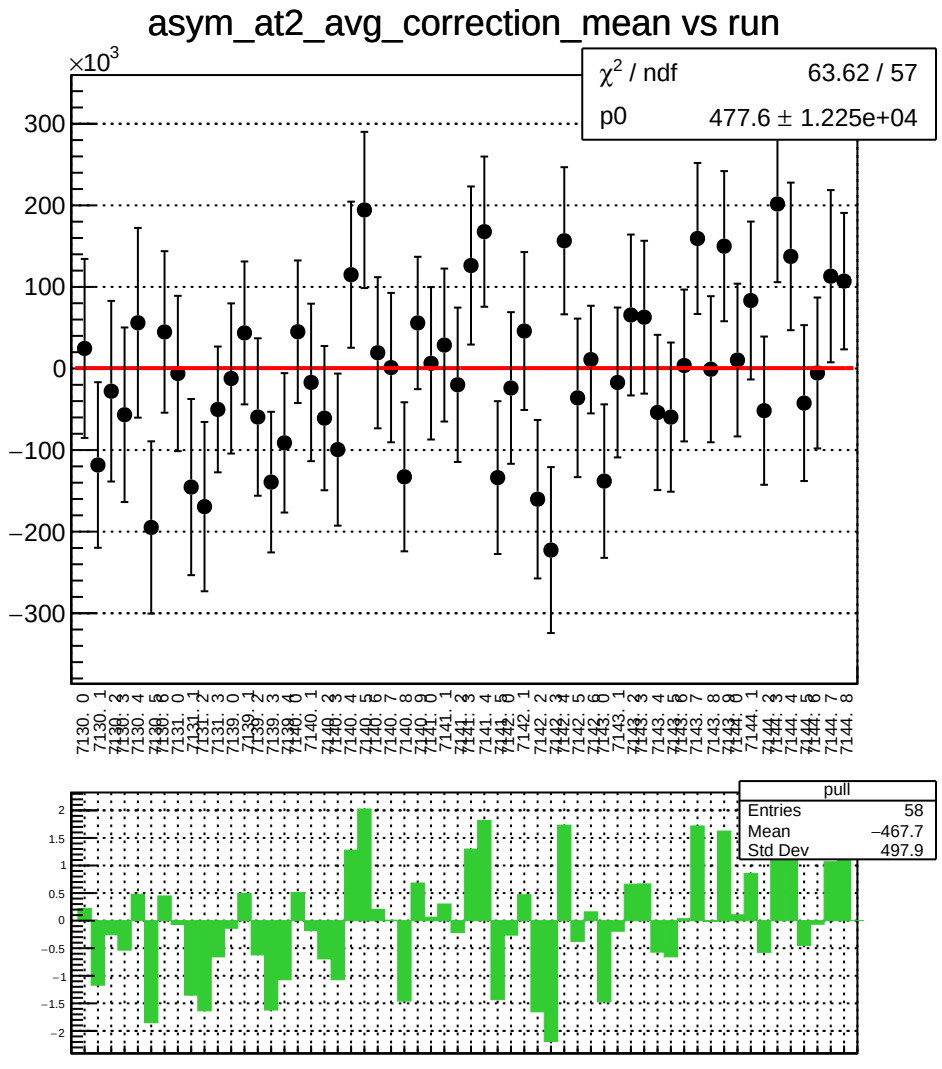

pull1D
Entries 58
Mean −0.006063
Std Dev 0.9944

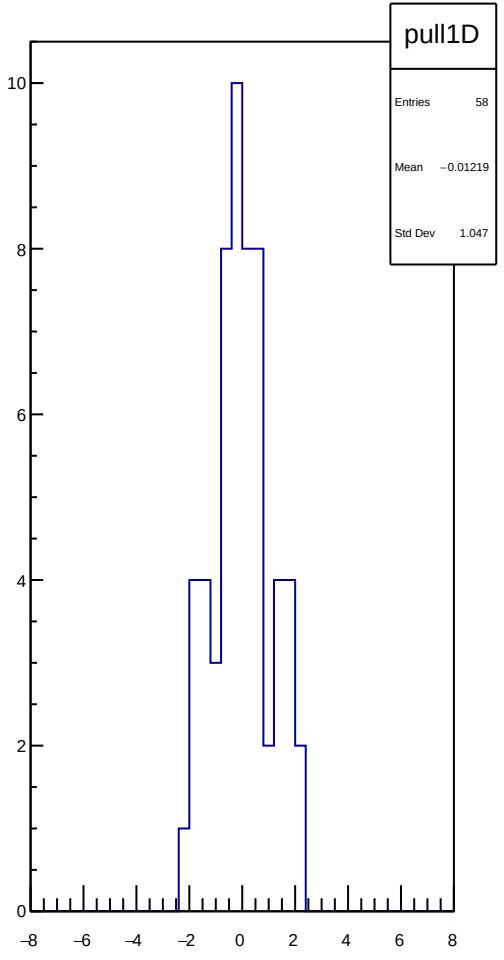

asym_at1_dd_rms vs run
χ^2 / ndf 7981 / 57
p0 1883 ± 1.796
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

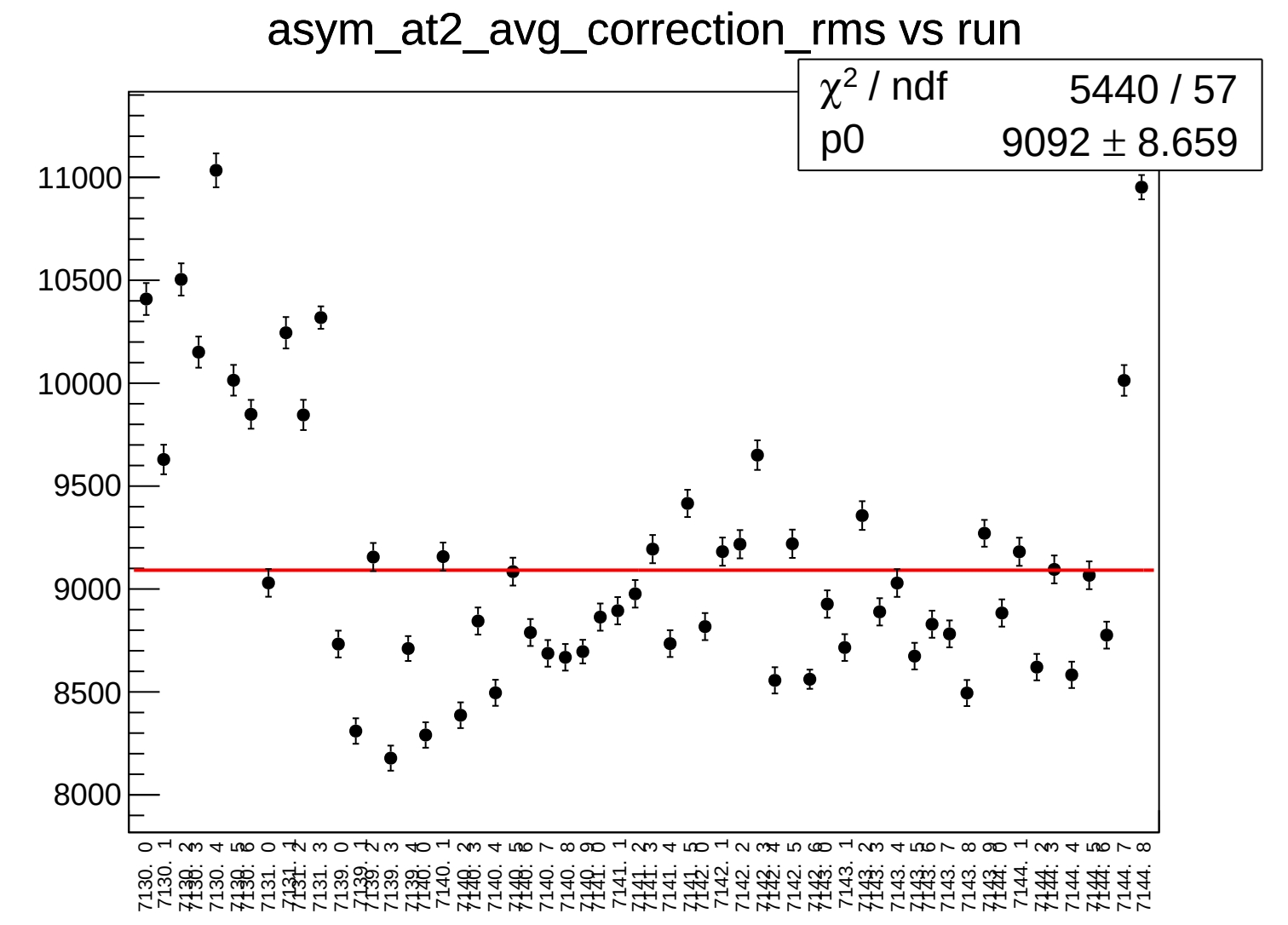

dit_asym_at2_avg_mean vs run
χ² / ndf 40.53 / 57
p0 −225.4 ± 2810
pull
Entries 58
Mean 135
Std Dev 132.7

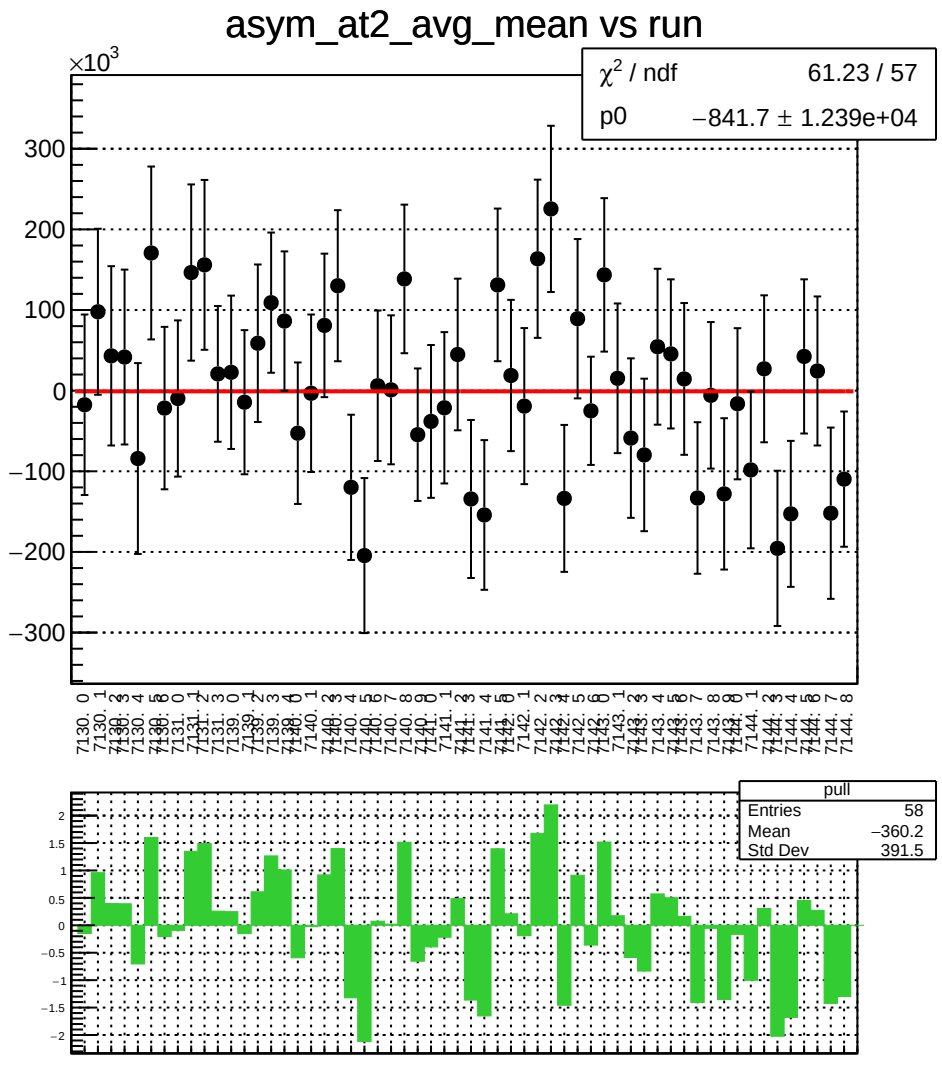

pull1D
Entries 58
Mean 0.008304
Std Dev 0.8359

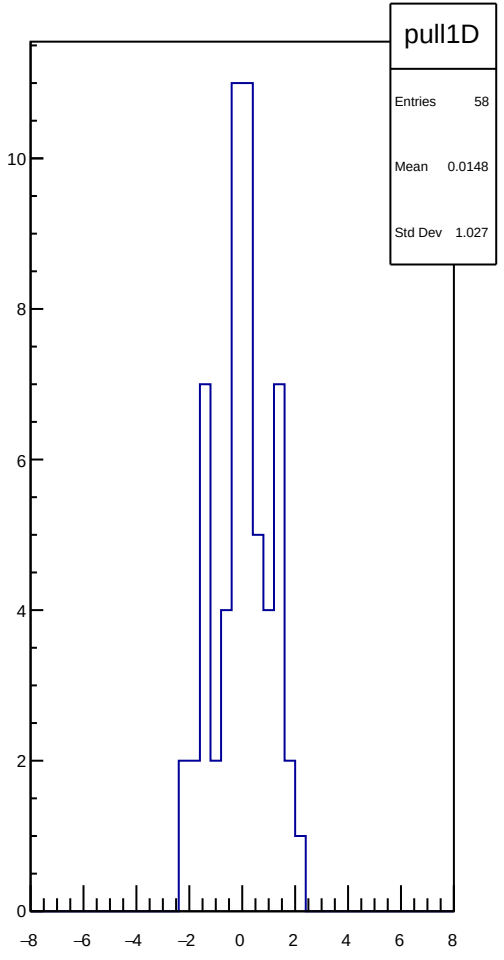

dit_asym_at2_avg_rms vs run
χ² / ndf 1.223e+04 / 57
p0 2080 ± 1.987
4500
4000
3500
3000
2500
2000

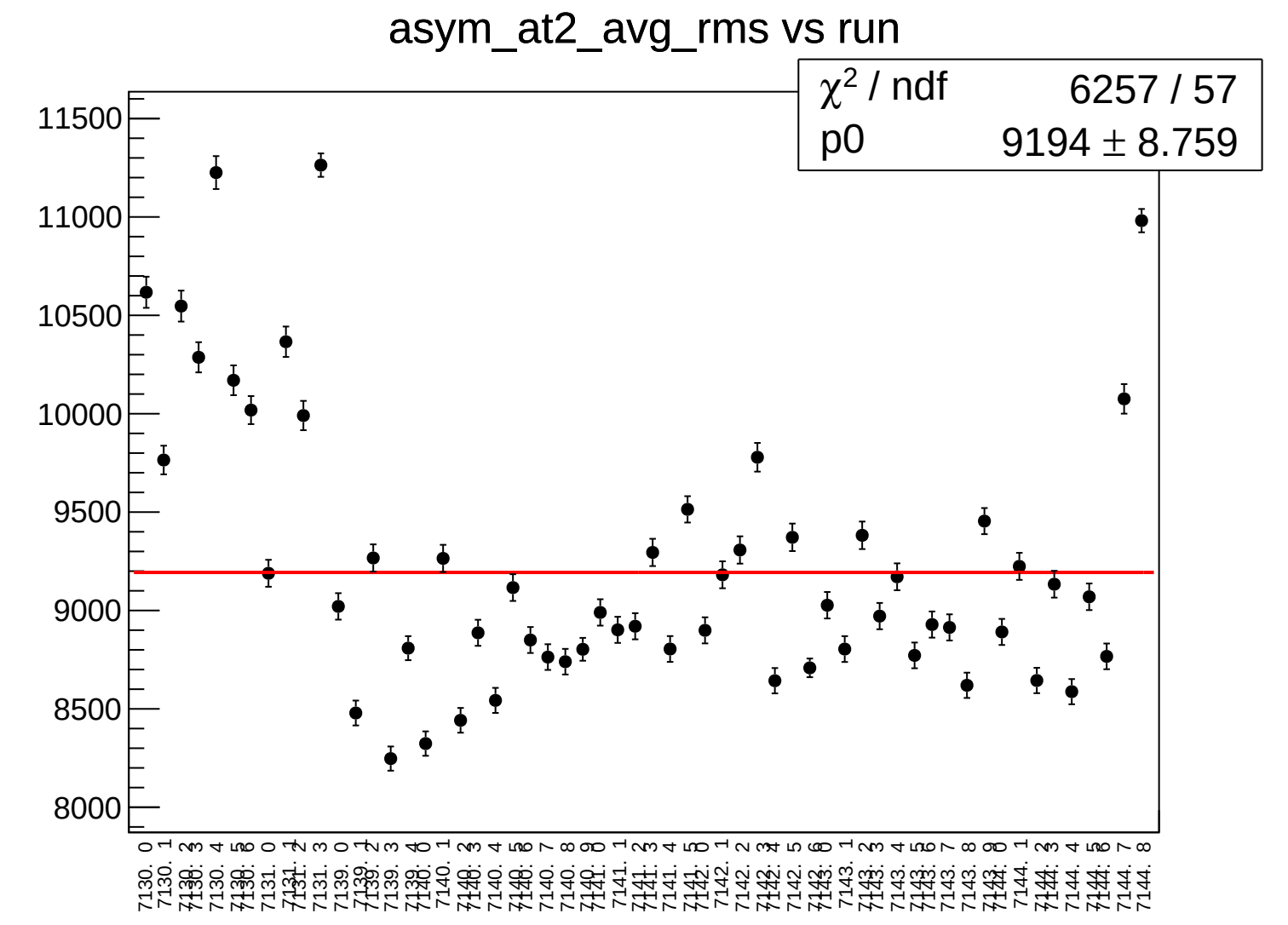

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 63.62 / 57
p0 477.6 ± 1.225e+04
300
200
100
0
−100
−200
−300
pull
Entries 58
Mean −467.7
Std Dev 497.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

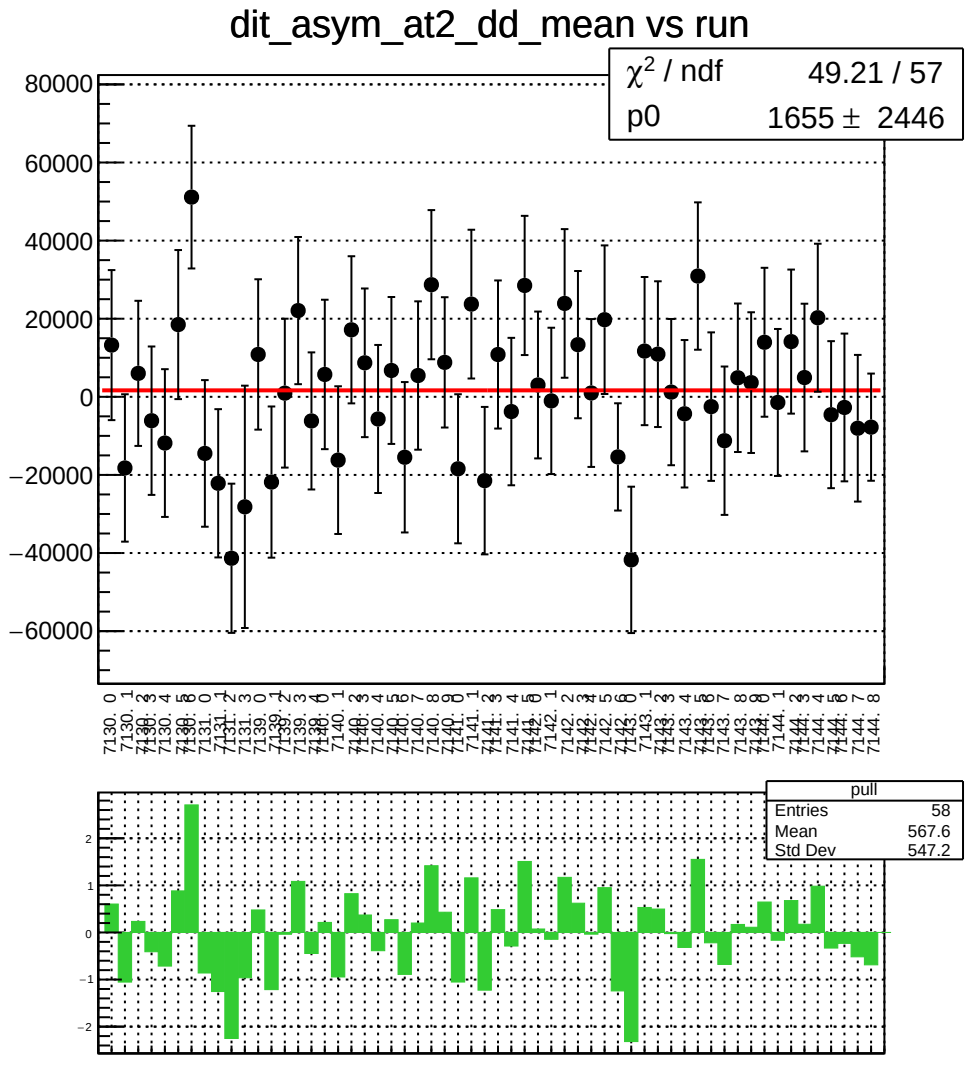

pull1D
Entries 58
Mean −0.01219
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

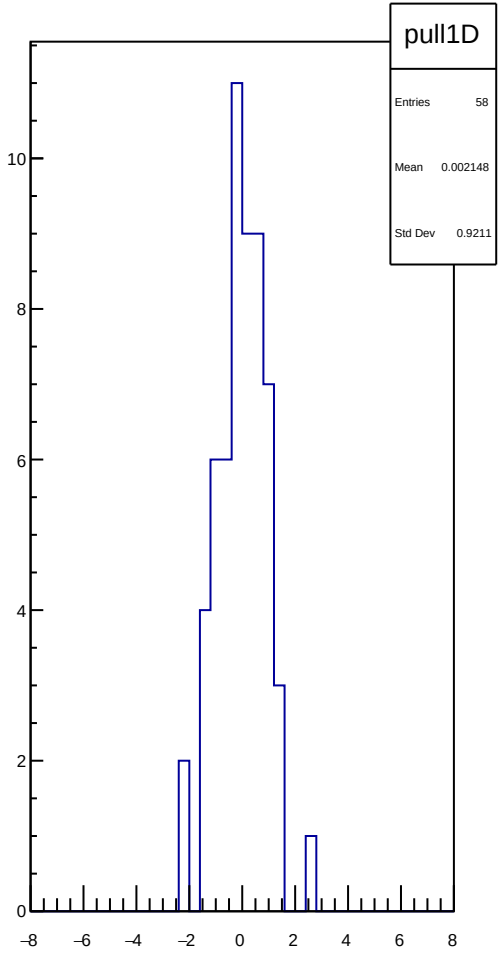

asym_at2_avg_correction_rms vs run
χ² / ndf 5440 / 57
p0 9092 ± 8.659
11000
10500
10000
9500
9000
8500
8000

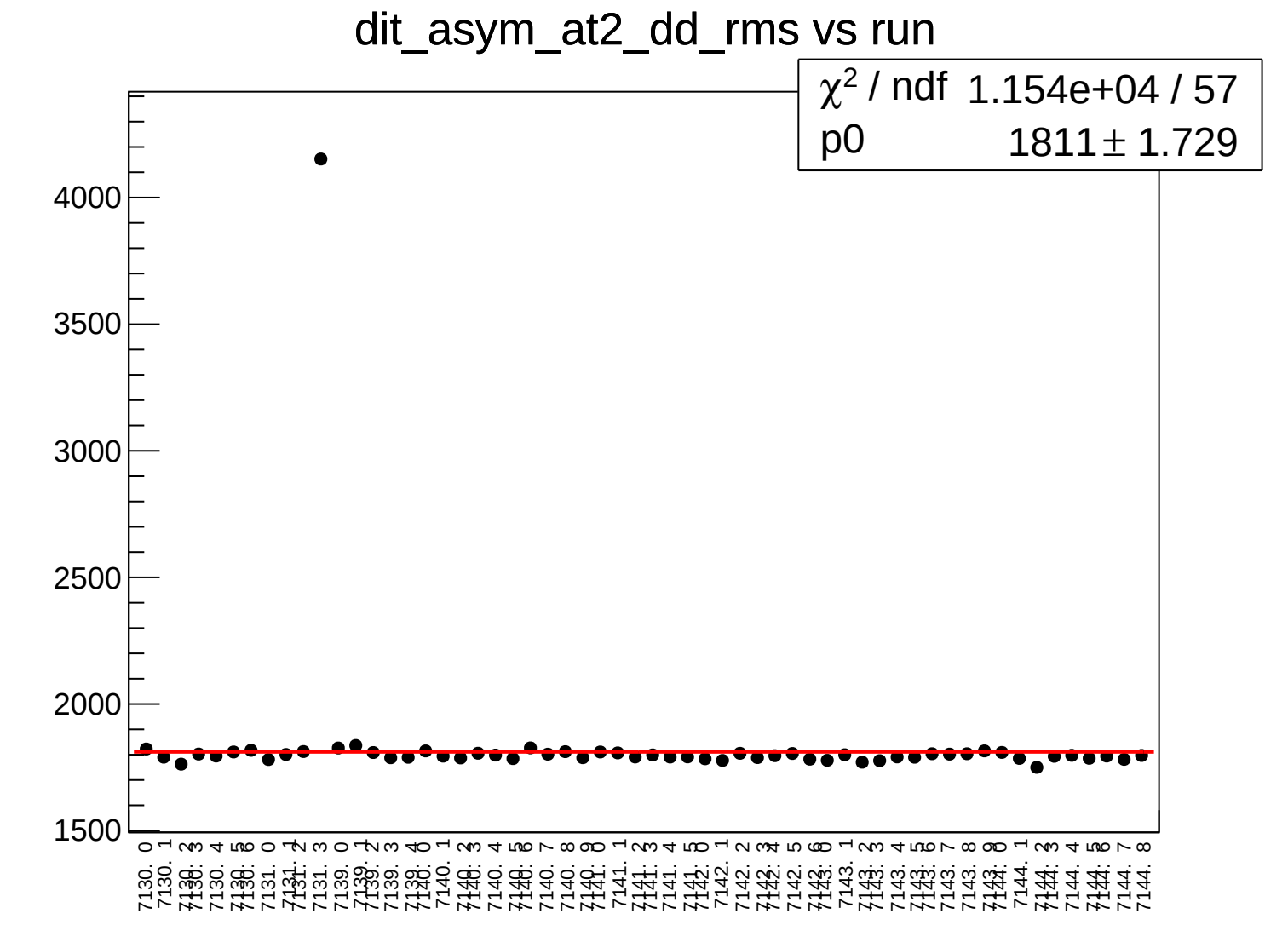

asym_at2_avg_mean vs run
×10^3
χ² / ndf 61.23 / 57
p0 −841.7 ± 1.239e+04
300
200
100
0
−100
−200
−300
pull
Entries 58
Mean −360.2
Std Dev 391.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

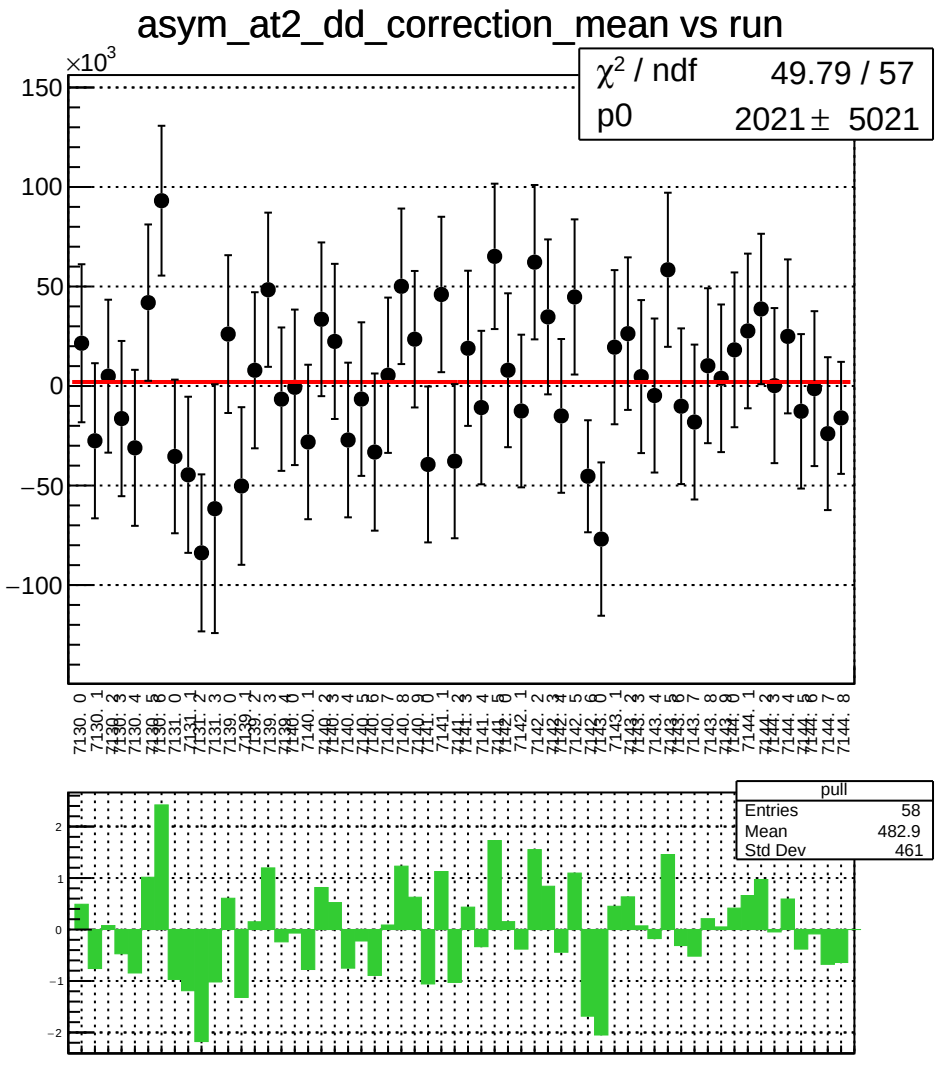

pull1D
Entries 58
Mean 0.0148
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

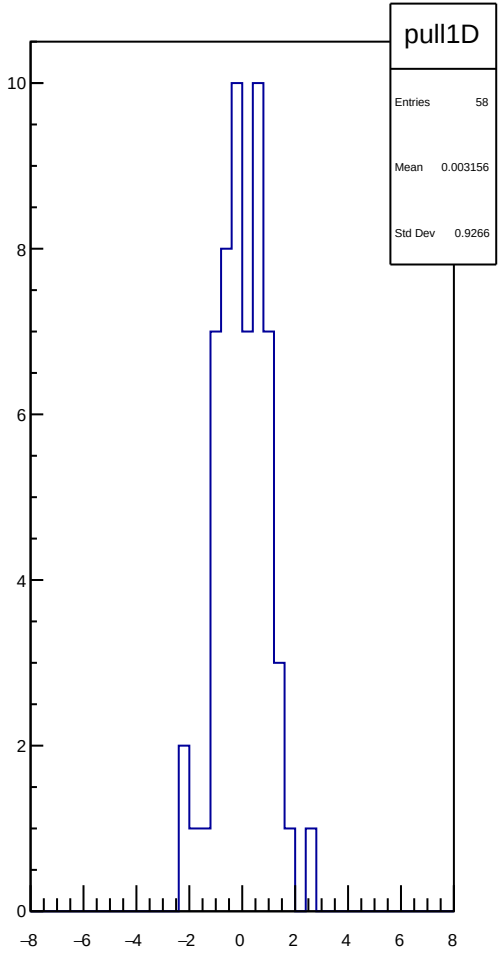

asym_at2_avg_rms vs run
χ² / ndf 6257 / 57
p0 9194 ± 8.759
11500
11000
10500
10000
9500
9000
8500
8000

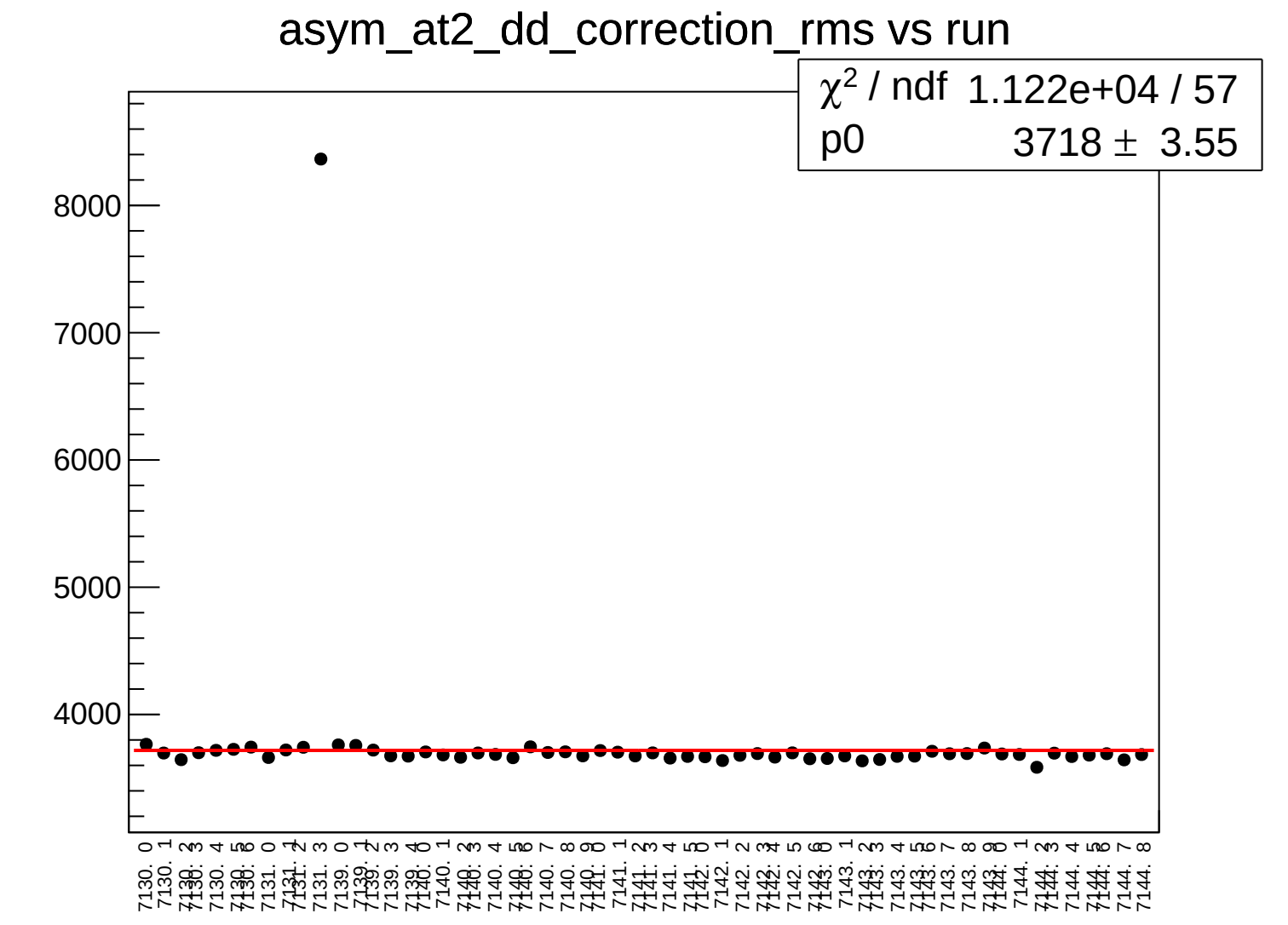

dit_asym_at2_dd_mean vs run
χ² / ndf 49.21 / 57
p0 1655 ± 2446
pull
Entries 58
Mean 567.6
Std Dev 547.2

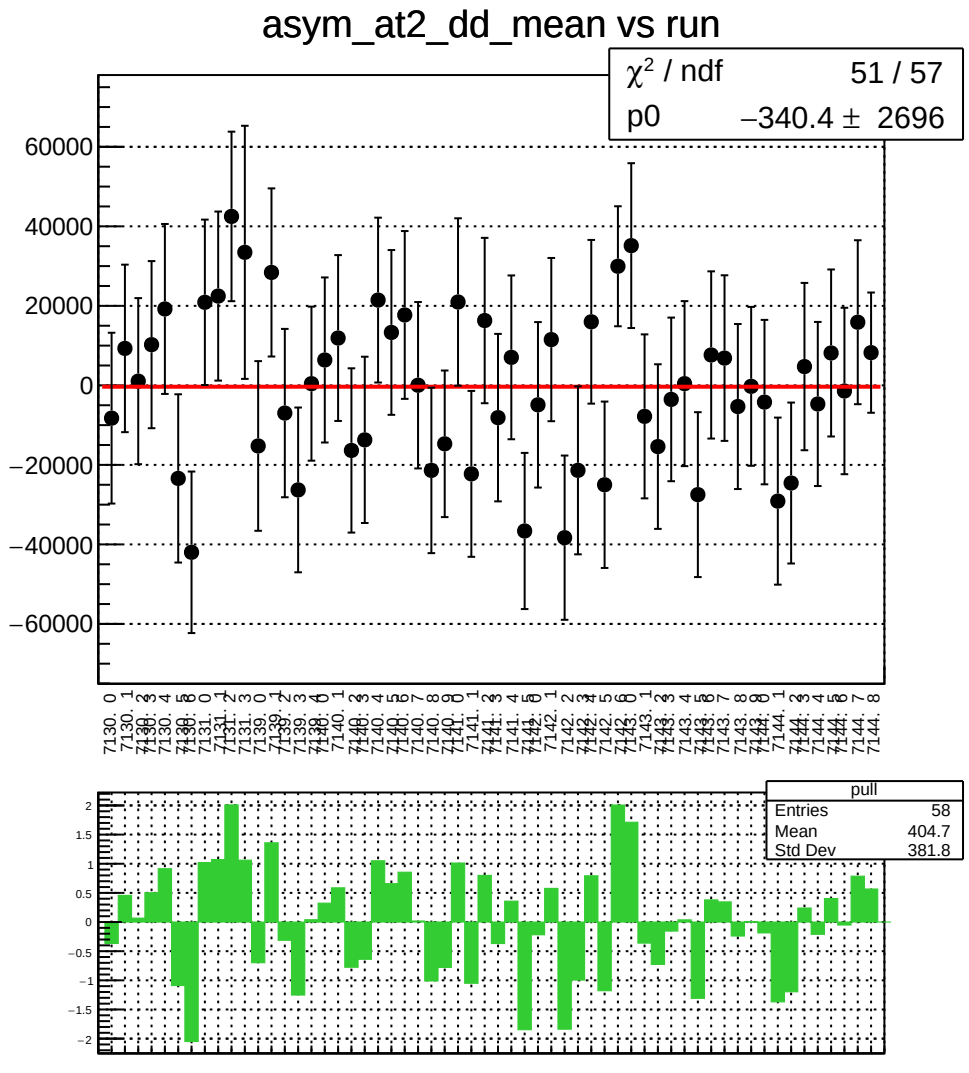

pull1D
Entries 58
Mean 0.002148
Std Dev 0.9211

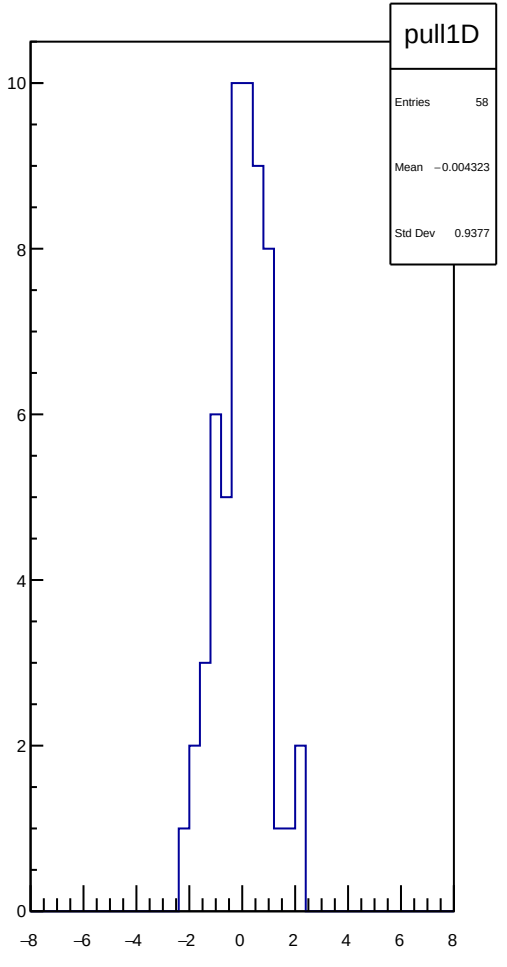

dit_asym_at2_dd_rms vs run
χ² / ndf 1.154e+04 / 57
p0 1811 ± 1.729
4000
3500
3000
2500
2000
1500
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 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

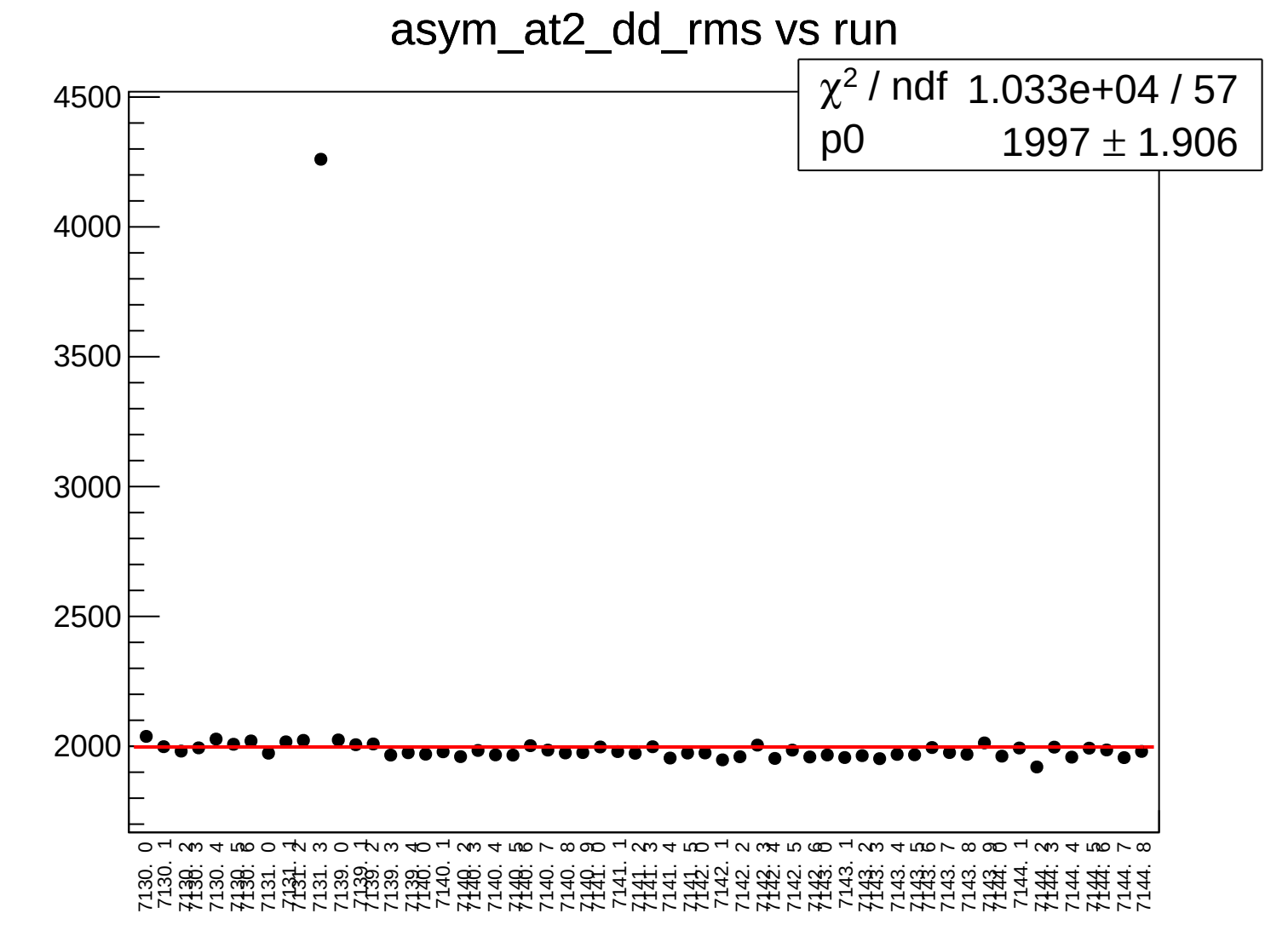

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 49.79 / 57
p0 2021 ± 5021
pull
Entries 58
Mean 482.9
Std Dev 461

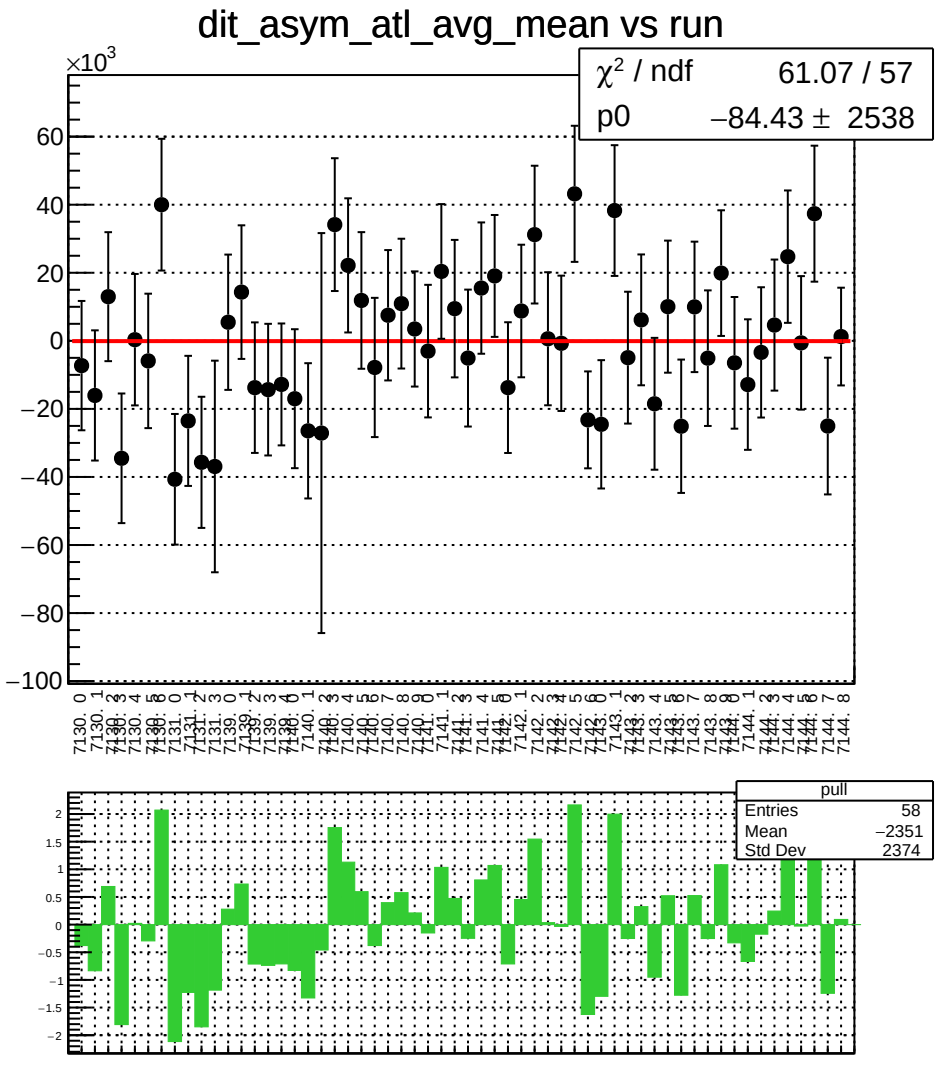

pull1D
Entries 58
Mean 0.003156
Std Dev 0.9266

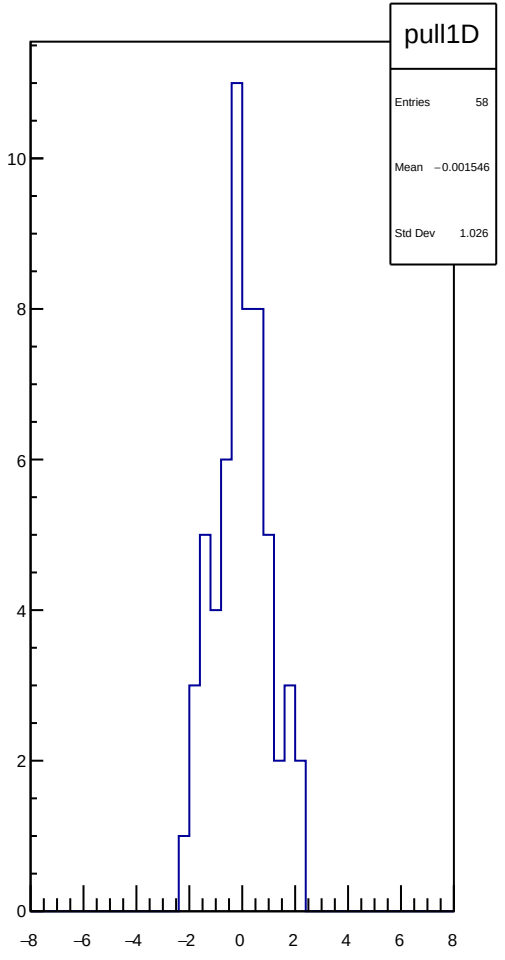

asym_at2_dd_correction_rms vs run
χ² / ndf 1.122e+04 / 57
p0 3718 ± 3.55
8000
7000
6000
5000
4000

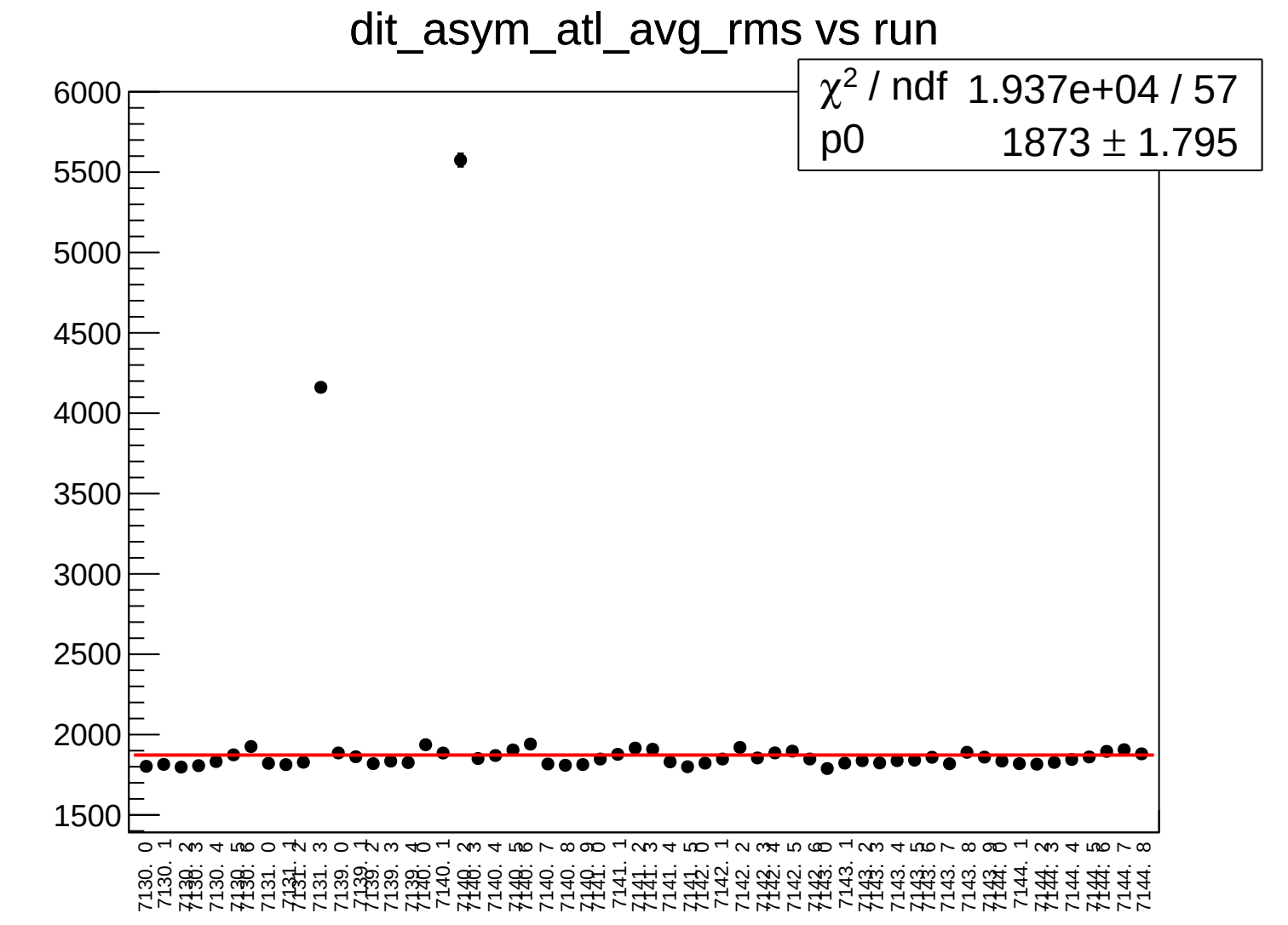

asym_at2_dd_mean vs run
χ² / ndf 51 / 57
p0 −340.4 ± 2696
pull
Entries 58
Mean 404.7
Std Dev 381.8

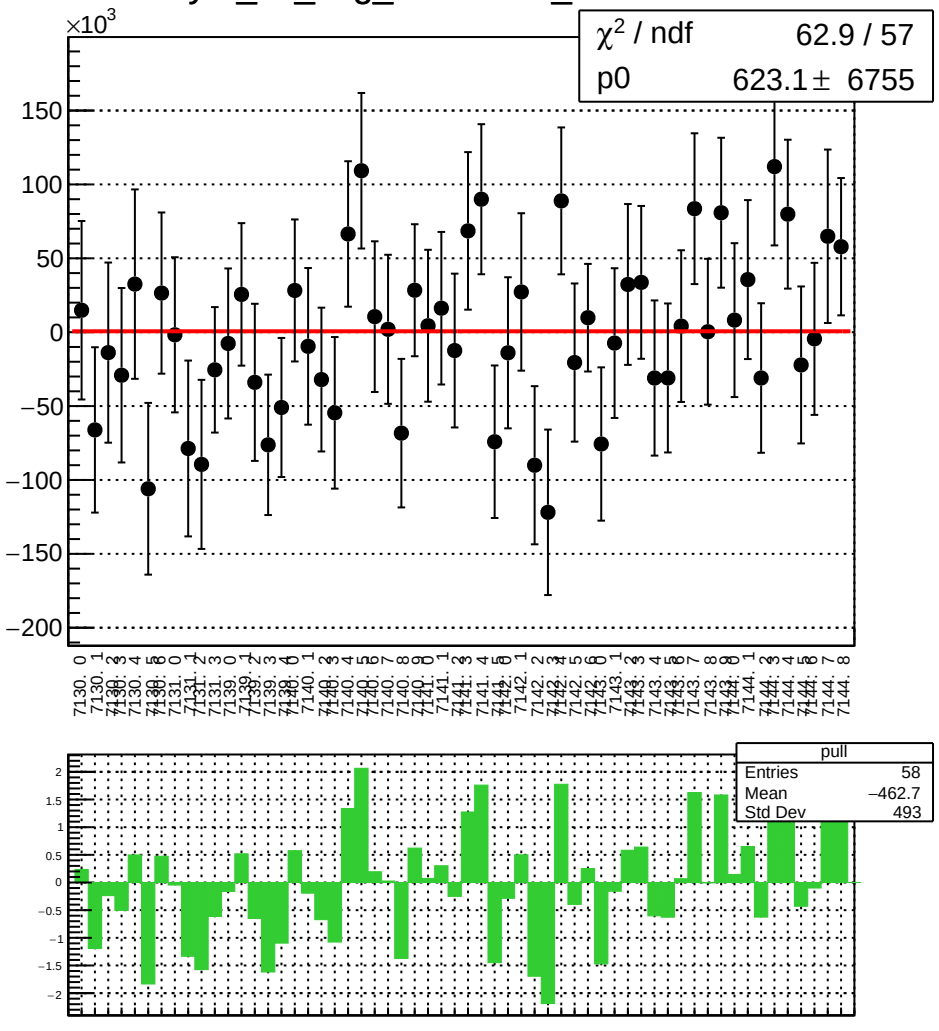

pull1D
Entries 58
Mean −0.004323
Std Dev 0.9377

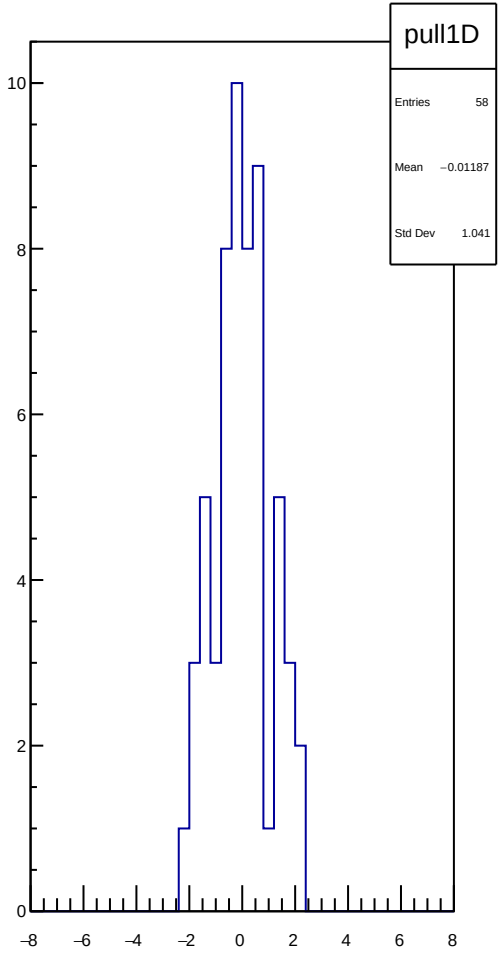

asym_at2_dd_rms vs run
χ^2 / ndf 1.033e+04 / 57
p0 1997 ± 1.906
4500
4000
3500
3000
2500
2000

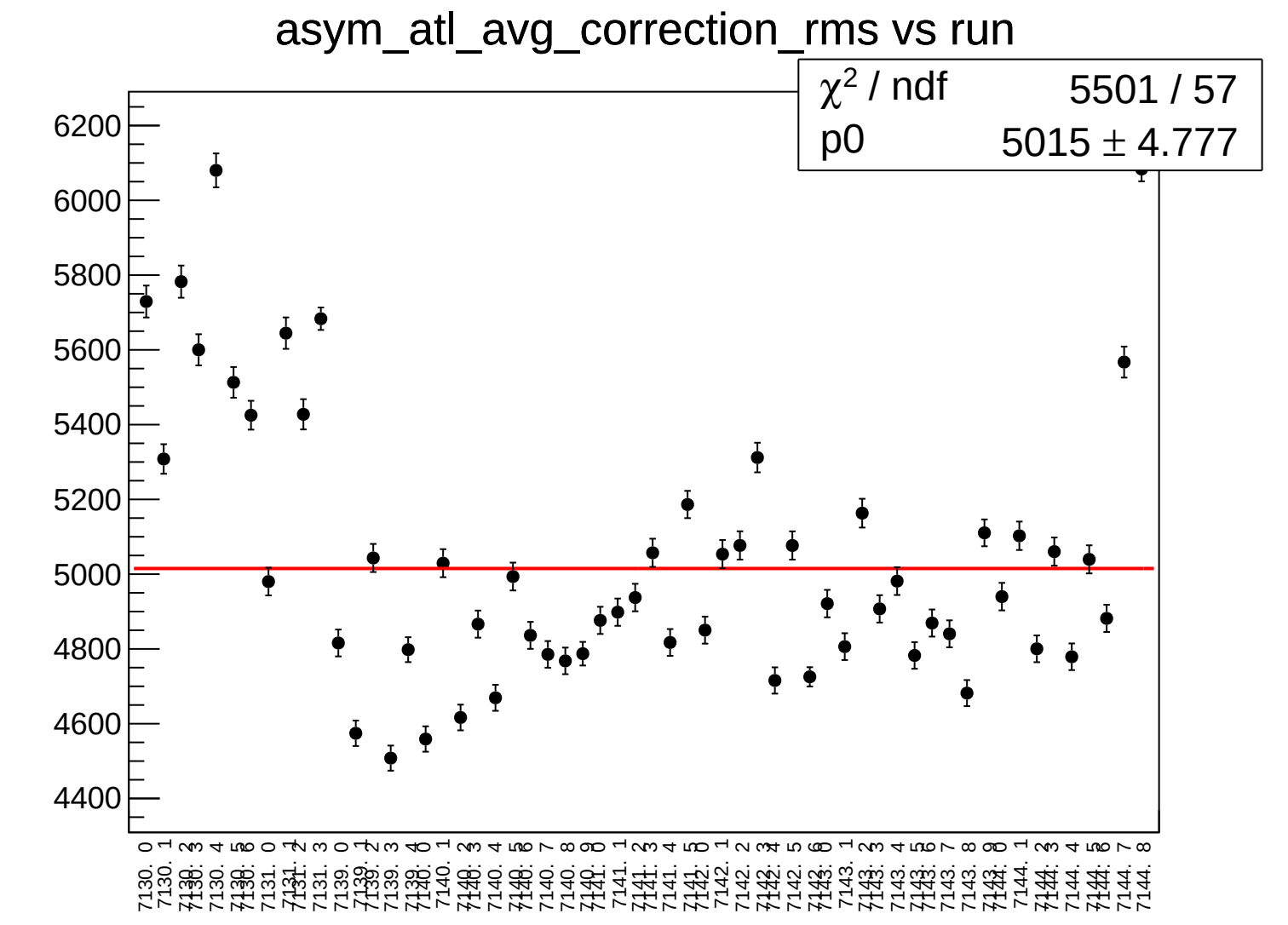

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 61.07 / 57
p0 −84.43 ± 2538
pull
Entries 58
Mean −2351
Std Dev 2374

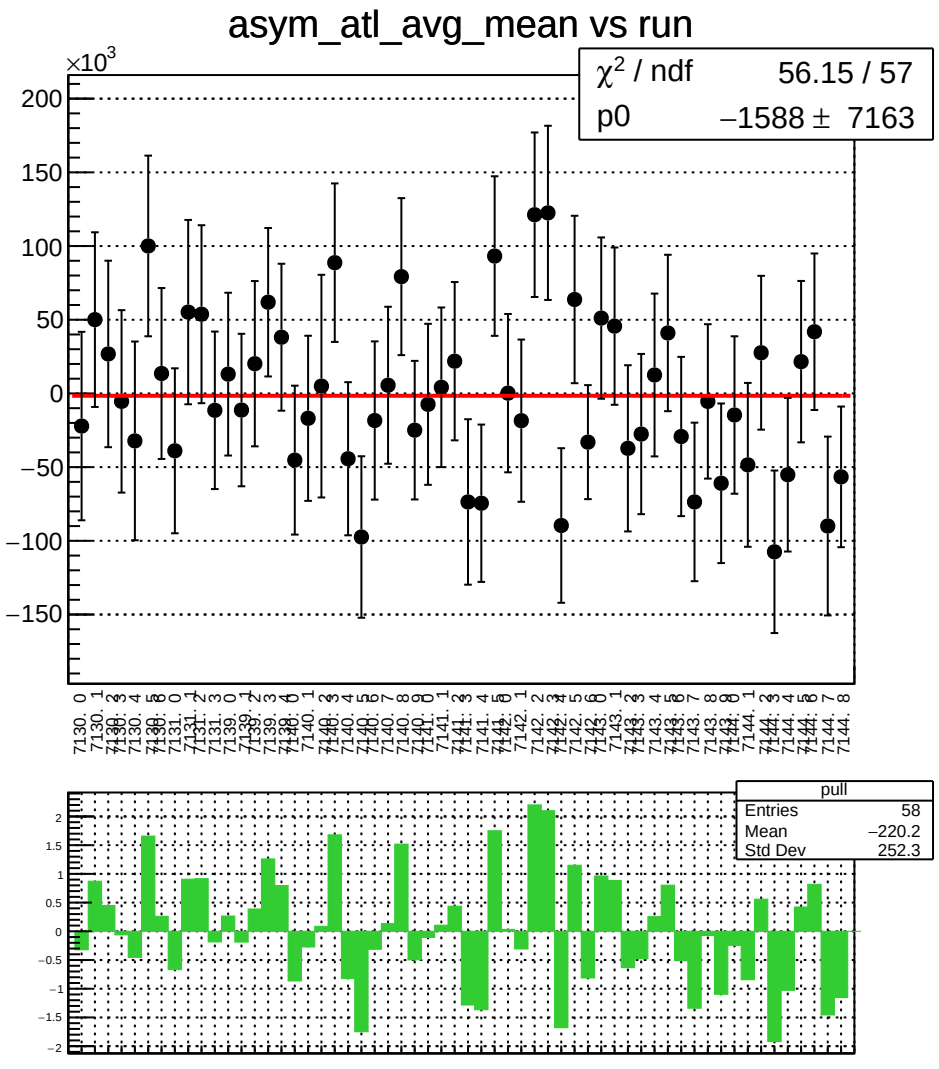

pull1D
Entries 58
Mean −0.001546
Std Dev 1.026

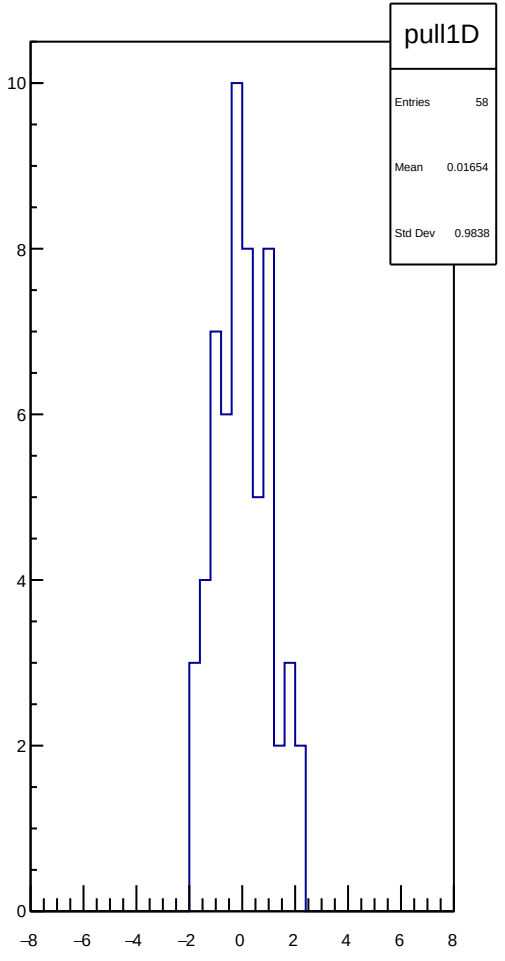

dit_asym_atl_avg_rms vs run
χ² / ndf 1.937e+04 / 57
p0 1873 ± 1.795
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

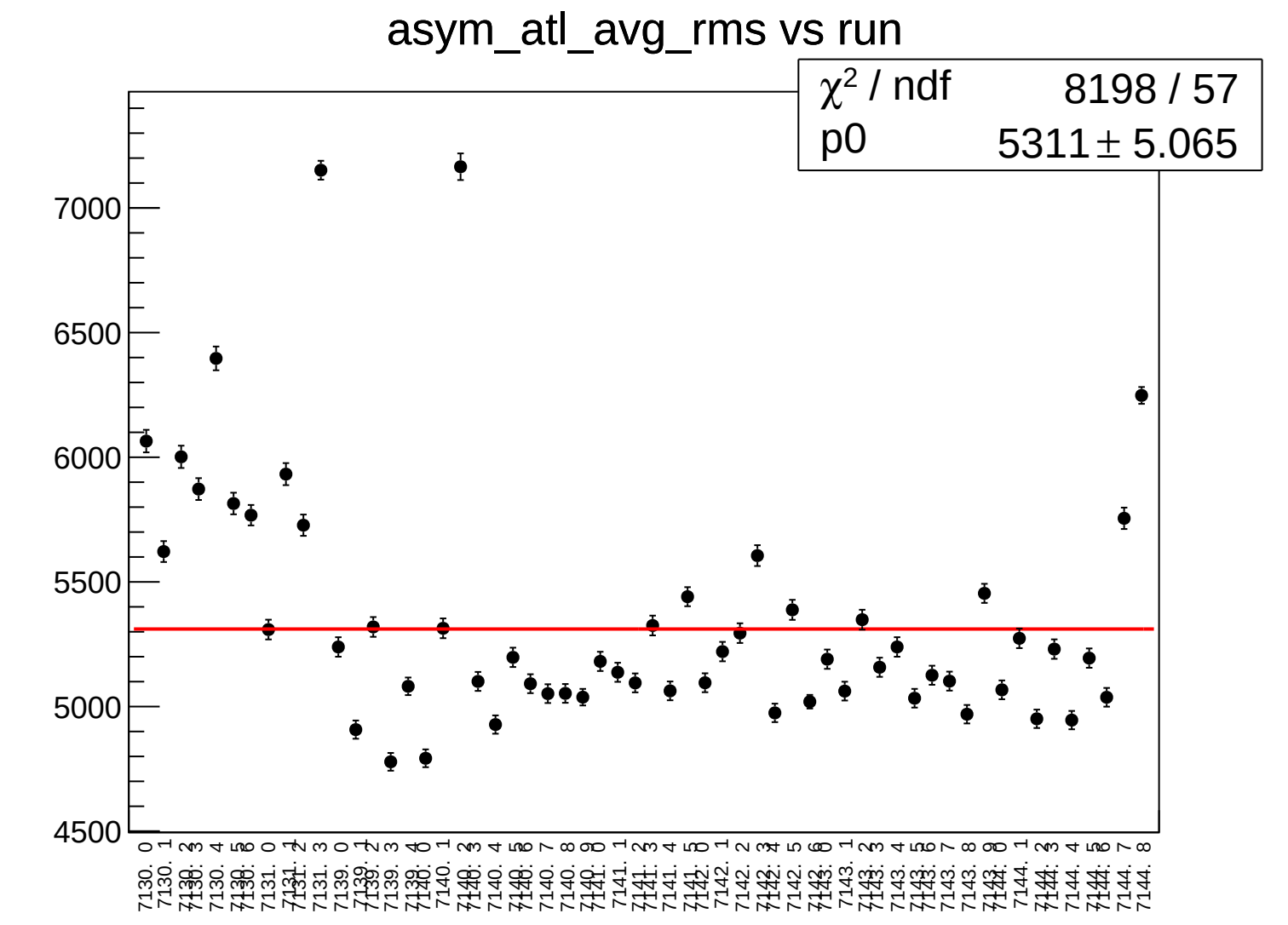

asym_atl_avg_correction_mean vs run
χ² / ndf 62.9 / 57
p0 623.1 ± 6755
×10³
pull
Entries 58
Mean −462.7
Std Dev 493

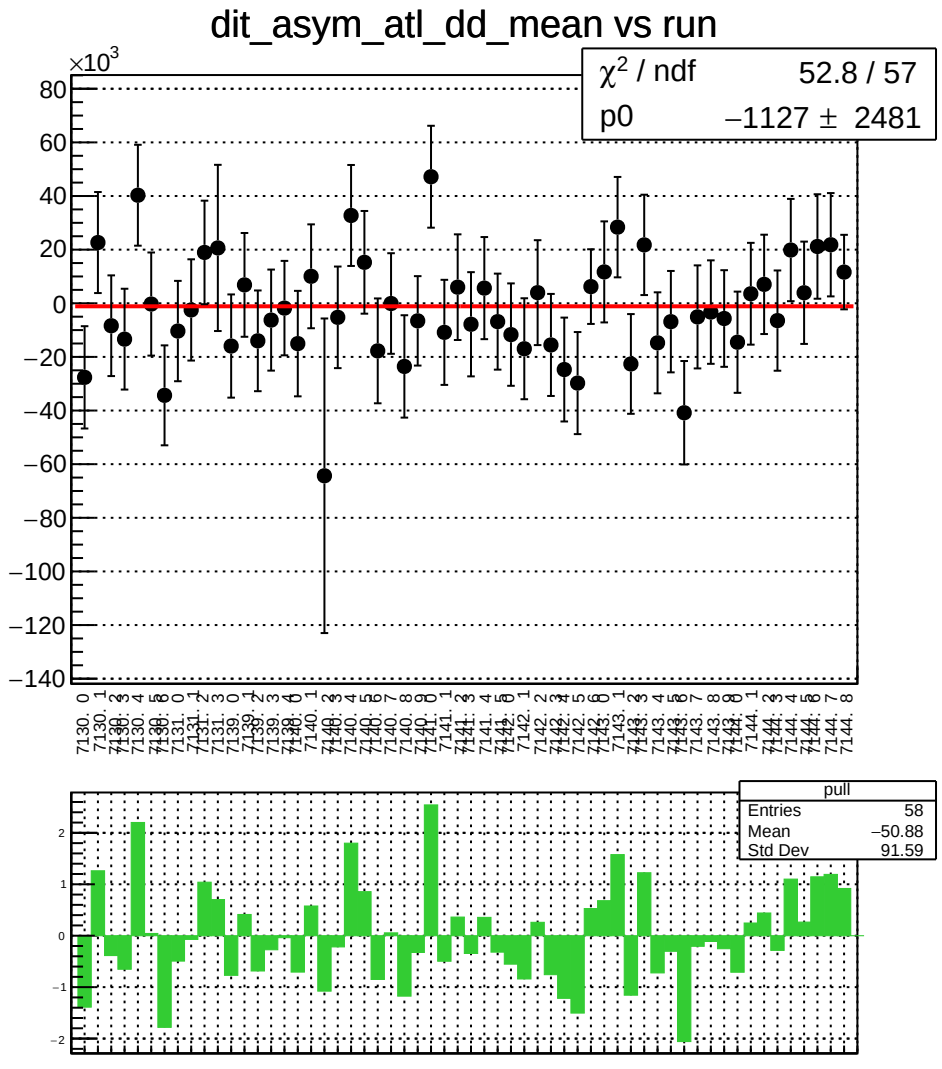

pull1D
Entries 58
Mean −0.01187
Std Dev 1.041

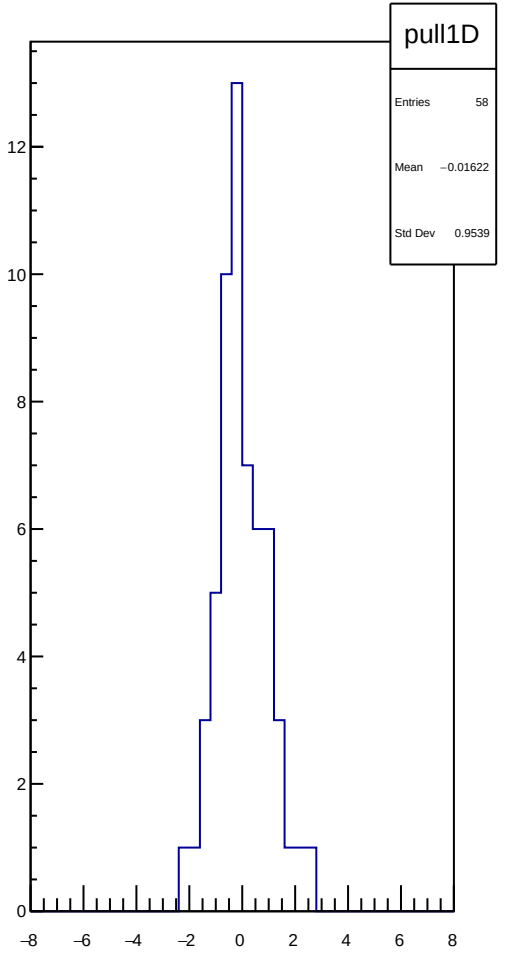

asym_atl_avg_correction_rms vs run
χ² / ndf 5501 / 57
p0 5015 ± 4.777
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

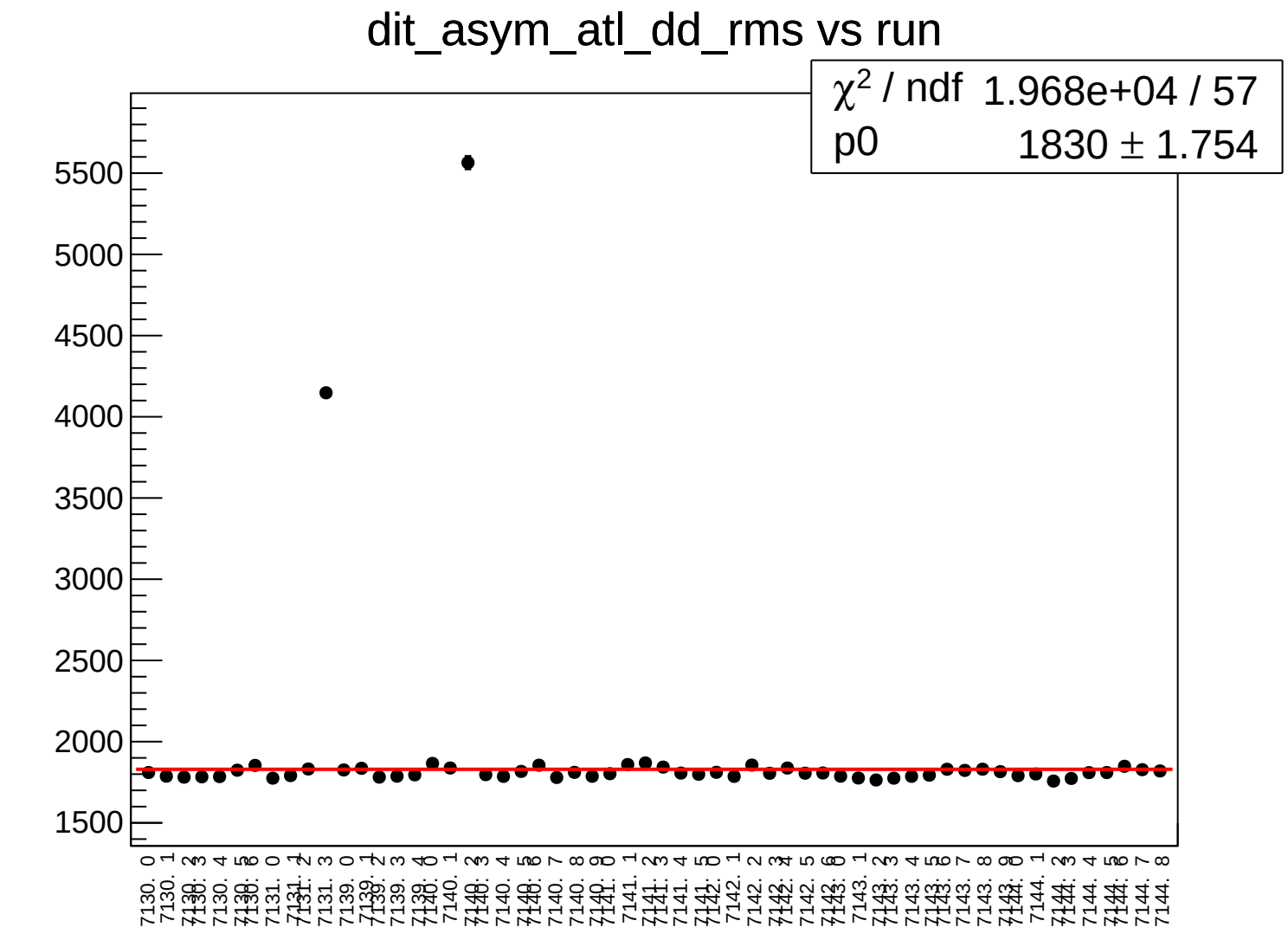

asym_atl_avg_mean vs run
×10^3
χ² / ndf 56.15 / 57
p0 −1588 ± 7163
pull
Entries 58
Mean −220.2
Std Dev 252.3

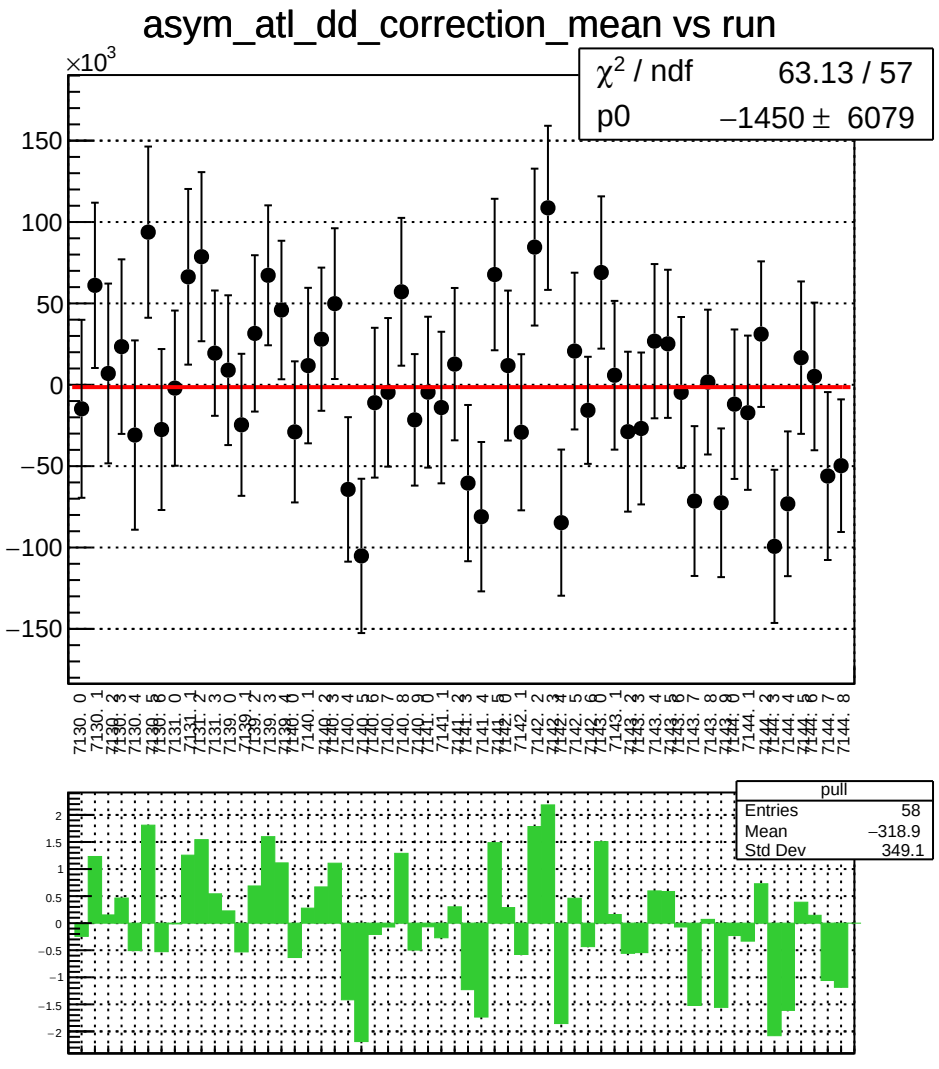

pull1D
Entries 58
Mean 0.01654
Std Dev 0.9838

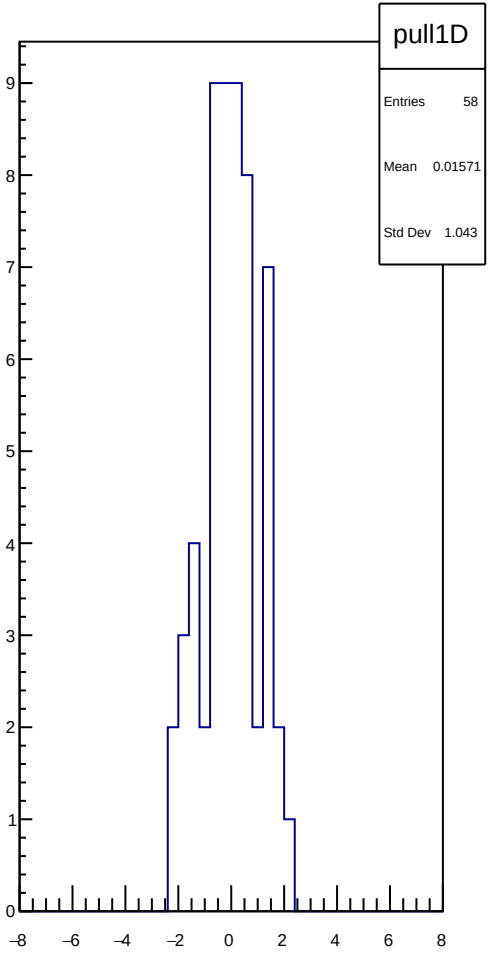

asym_atl_avg_rms vs run
χ² / ndf 8198 / 57
p0 5311 ± 5.065
7000
6500
6000
5500
5000
4500

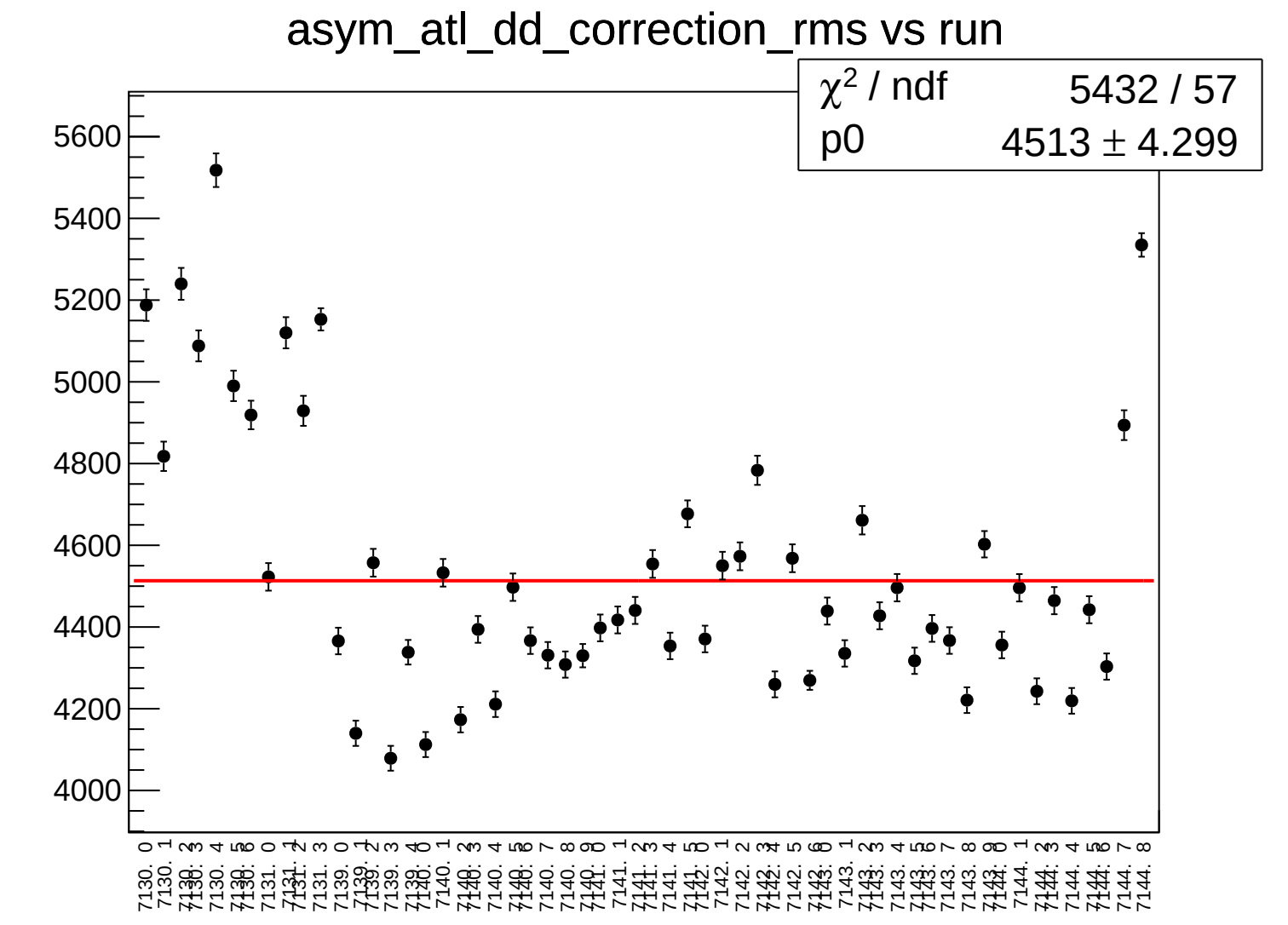

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 52.8 / 57
p0 −1127 ± 2481
pull
Entries 58
Mean −50.88
Std Dev 91.59

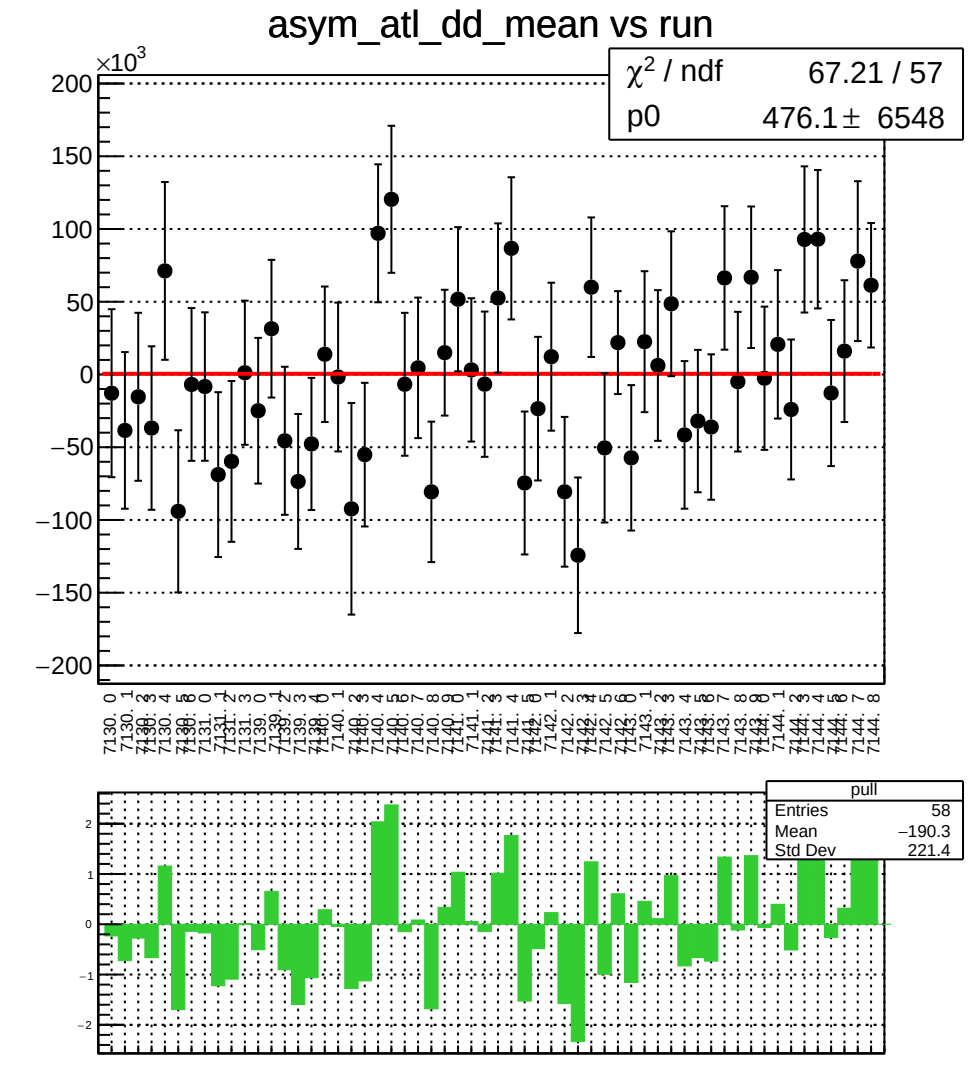

pull1D
Entries 58
Mean −0.01622
Std Dev 0.9539

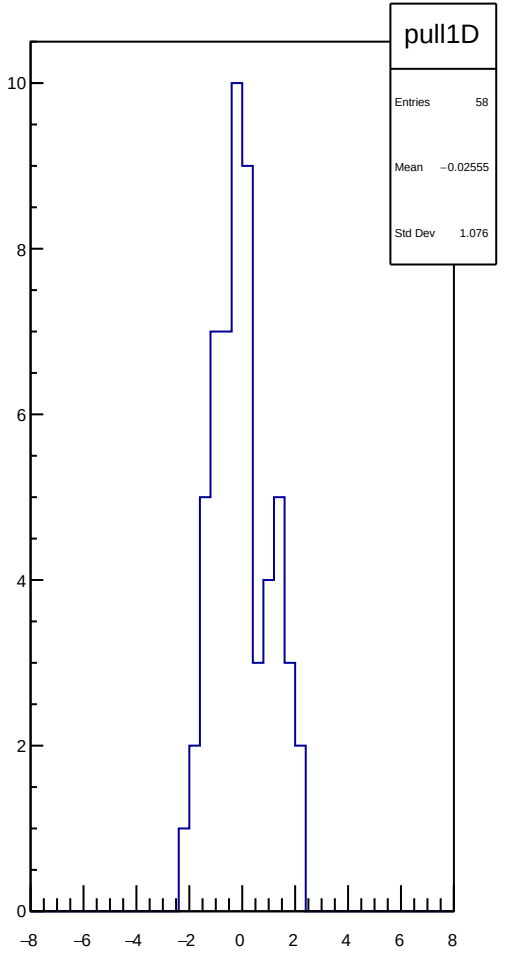

dit_asym_atl_dd_rms vs run
χ² / ndf 1.968e+04 / 57
p0 1830 ± 1.754
5500
5000
4500
4000
3500
3000
2500
2000
1500

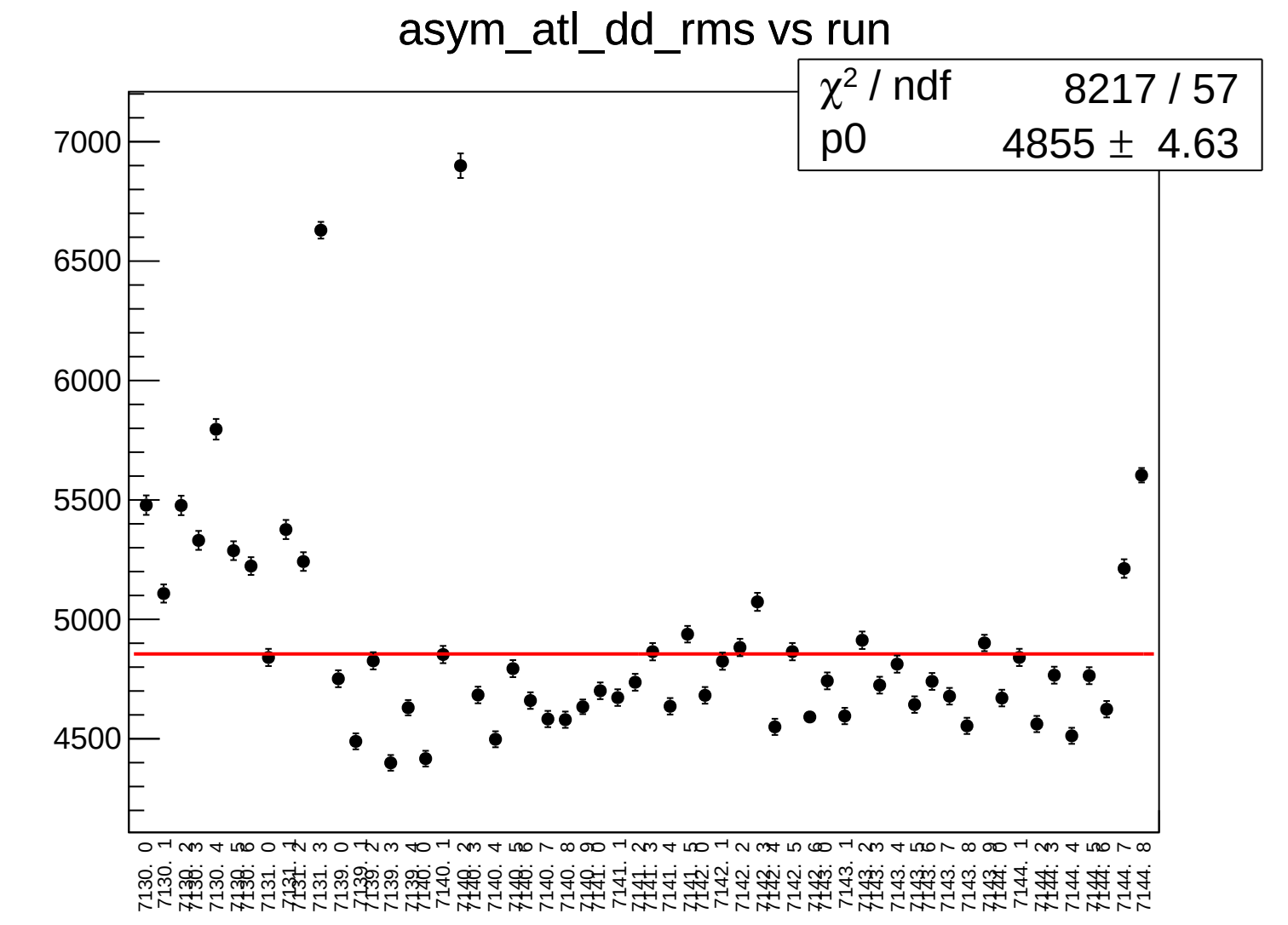

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 63.13 / 57
p0 −1450 ± 6079
150
100
50
0
−50
−100
−150
pull
Entries 58
Mean −318.9
Std Dev 349.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

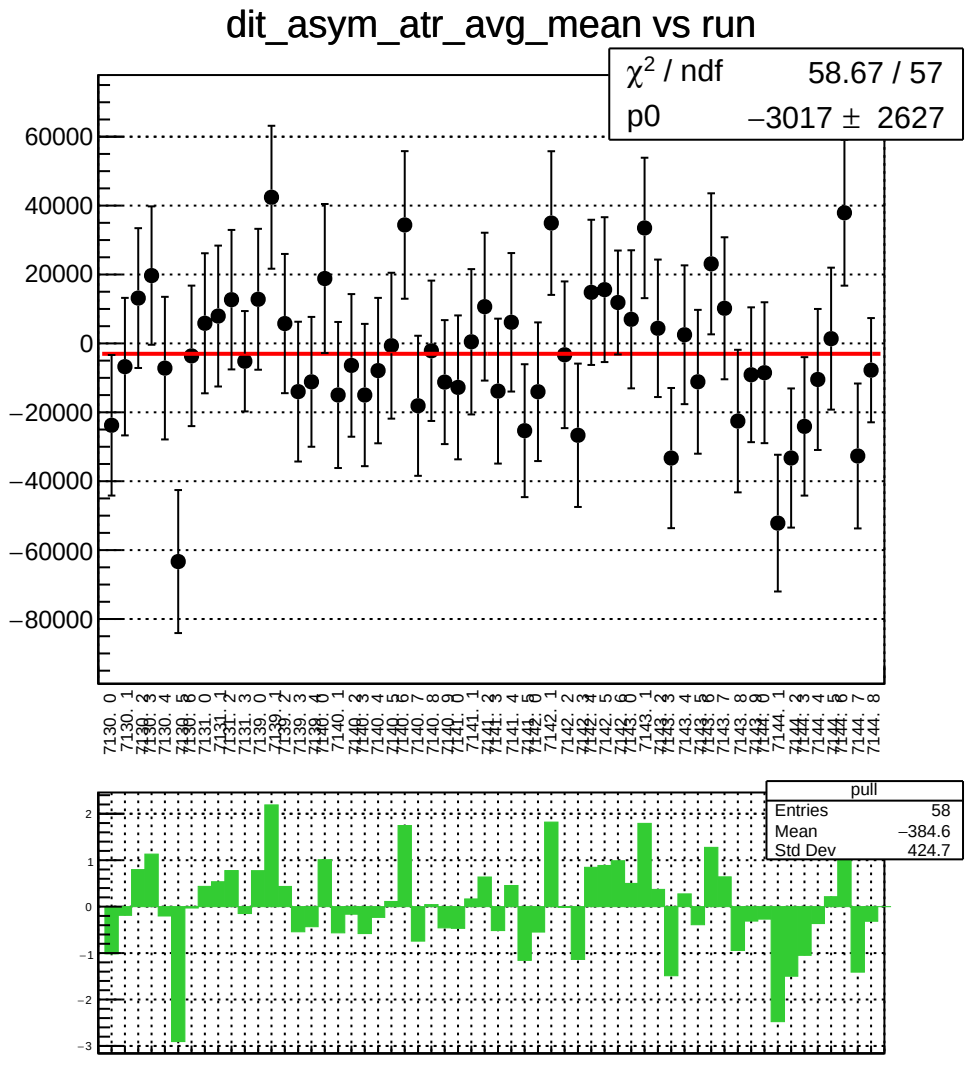

pull1D
Entries 58
Mean 0.01571
Std Dev 1.043
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

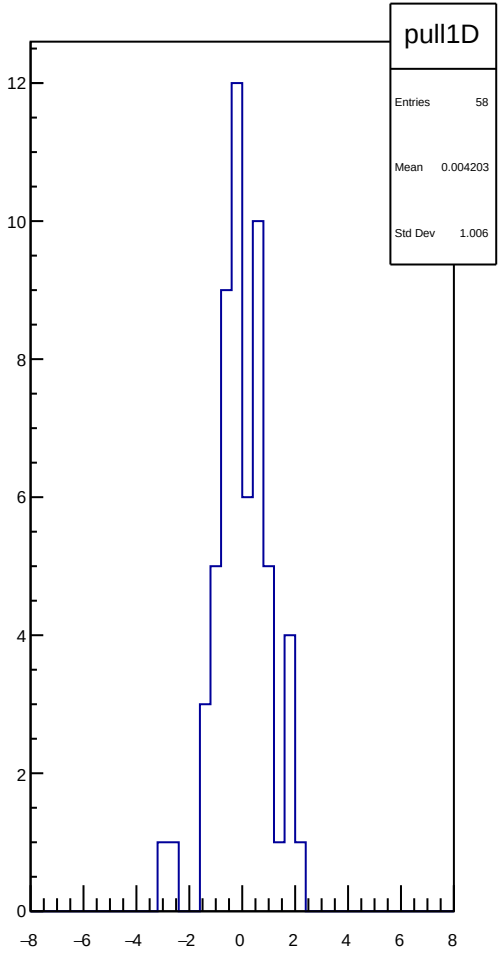

asym_atl_dd_correction_rms vs run
χ² / ndf 5432 / 57
p0 4513 ± 4.299
5600
5400
5200
5000
4800
4600
4400
4200
4000

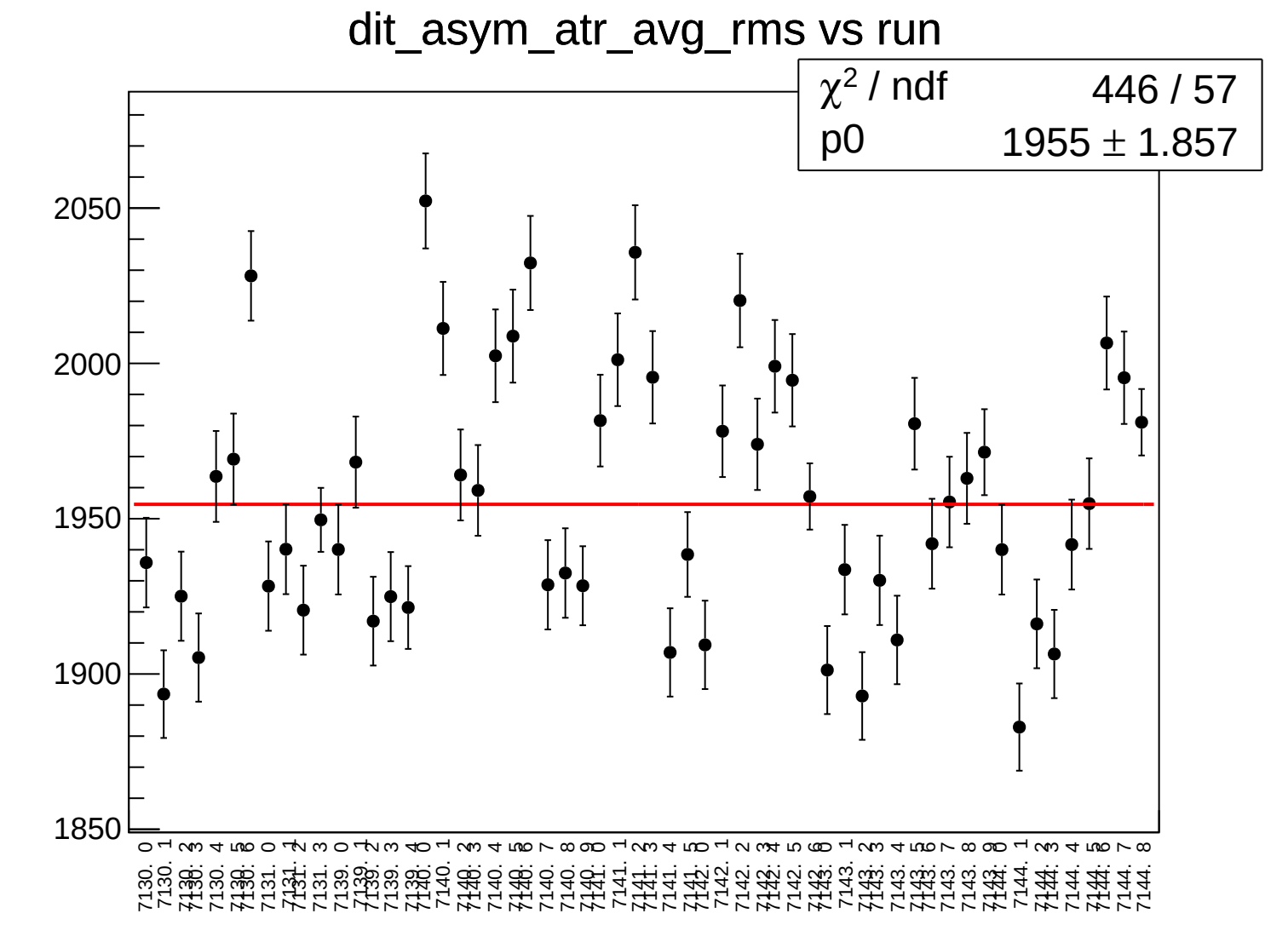

asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.21 / 57
p0 476.1 ± 6548
pull
Entries 58
Mean −190.3
Std Dev 221.4

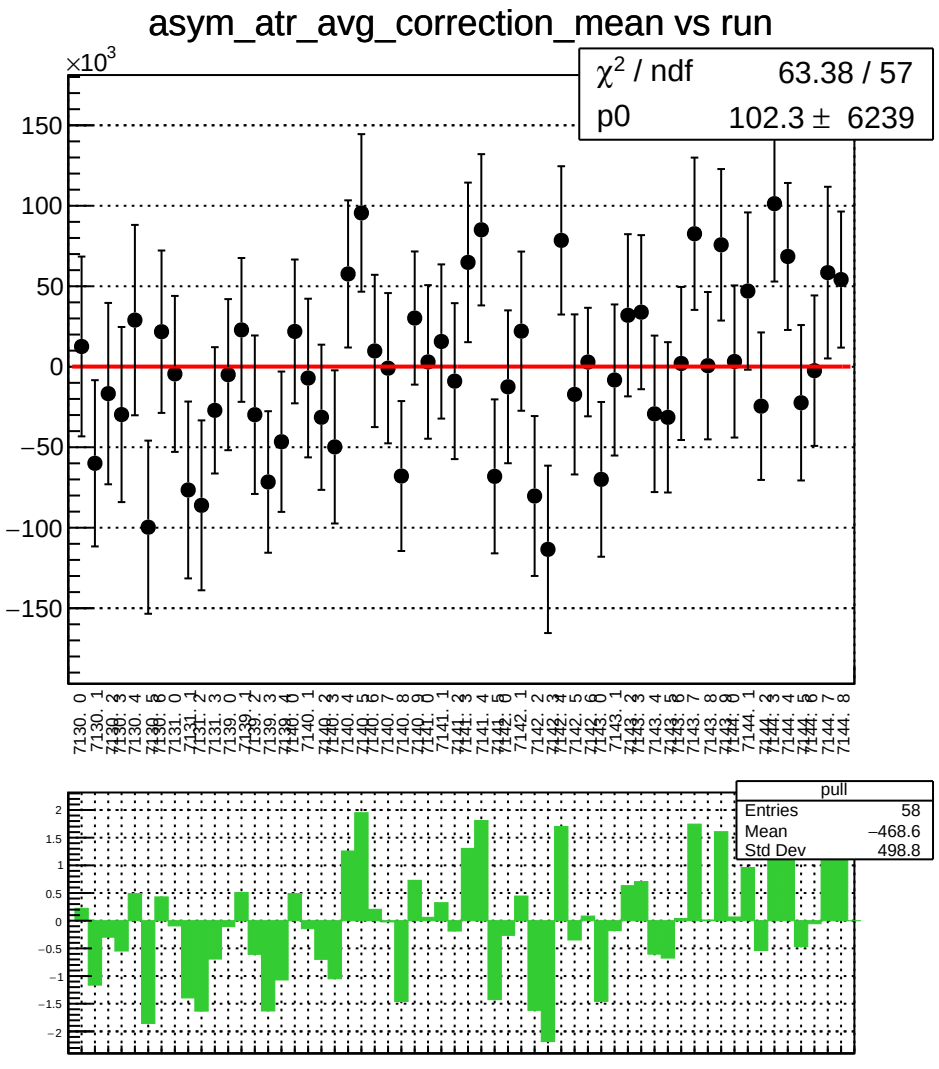

pull1D
Entries 58
Mean −0.02555
Std Dev 1.076

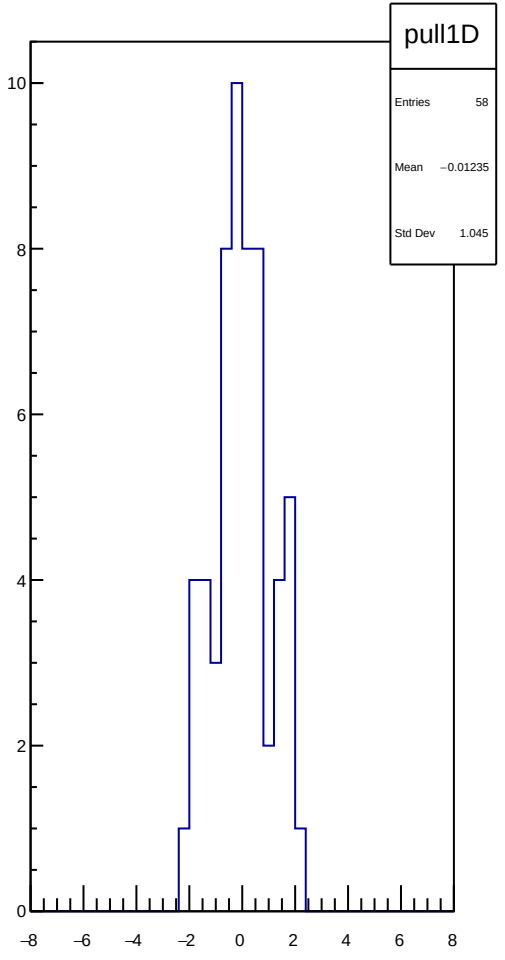

asym_atl_dd_rms vs run
χ² / ndf 8217 / 57
p0 4855 ± 4.63
7000
6500
6000
5500
5000
4500

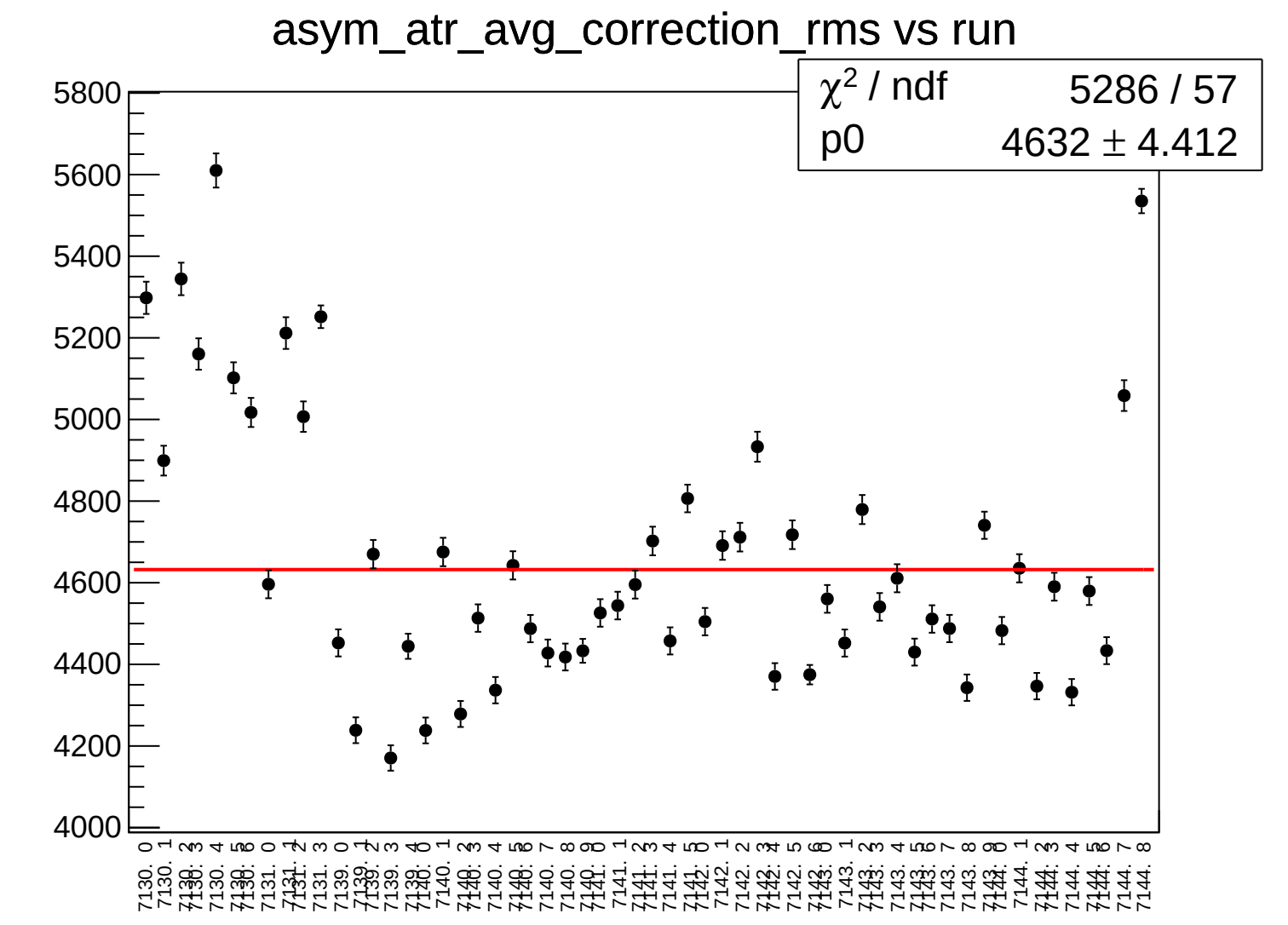

dit_asym_atr_avg_mean vs run
χ² / ndf 58.67 / 57
p0 −3017 ± 2627
pull
Entries 58
Mean −384.6
Std Dev 424.7

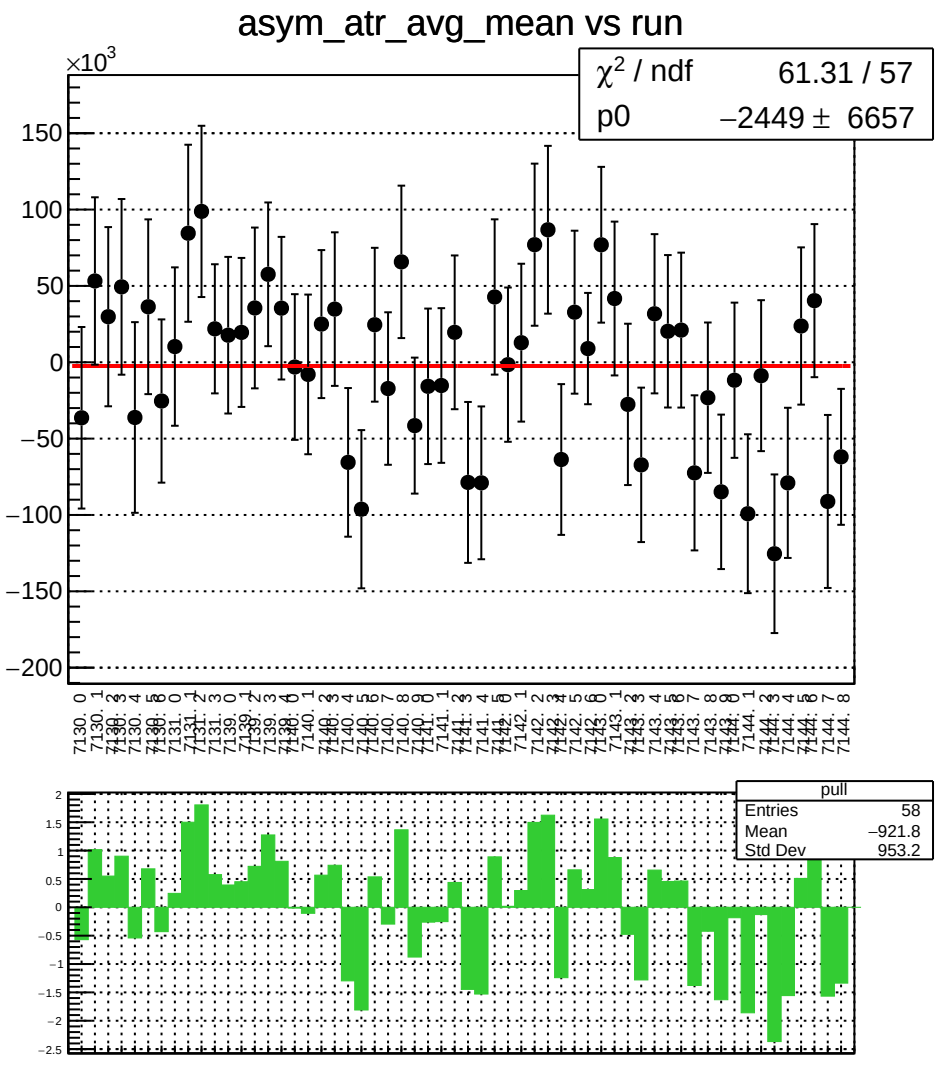

pull1D
Entries 58
Mean 0.004203
Std Dev 1.006

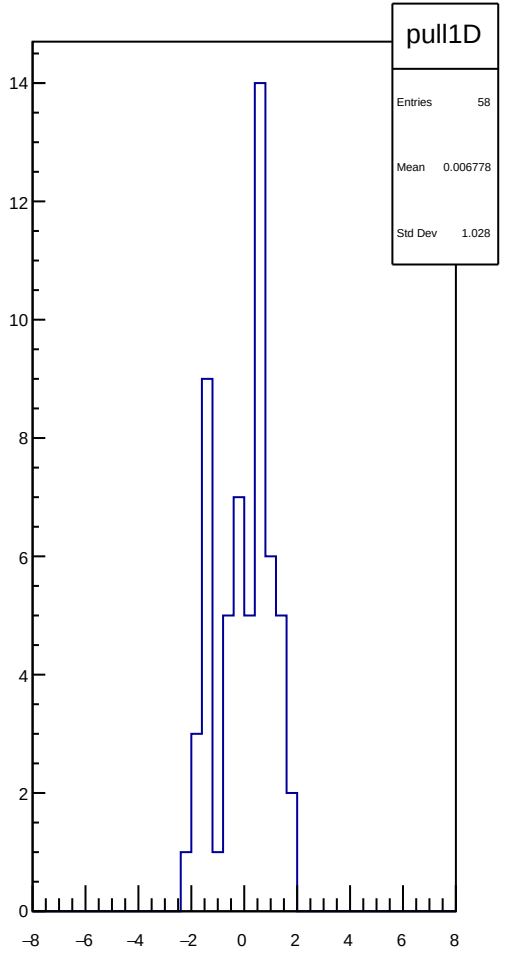

dit_asym_atr_avg_rms vs run
χ² / ndf 446 / 57
p0 1955 ± 1.857
2050
2000
1950
1900
1850

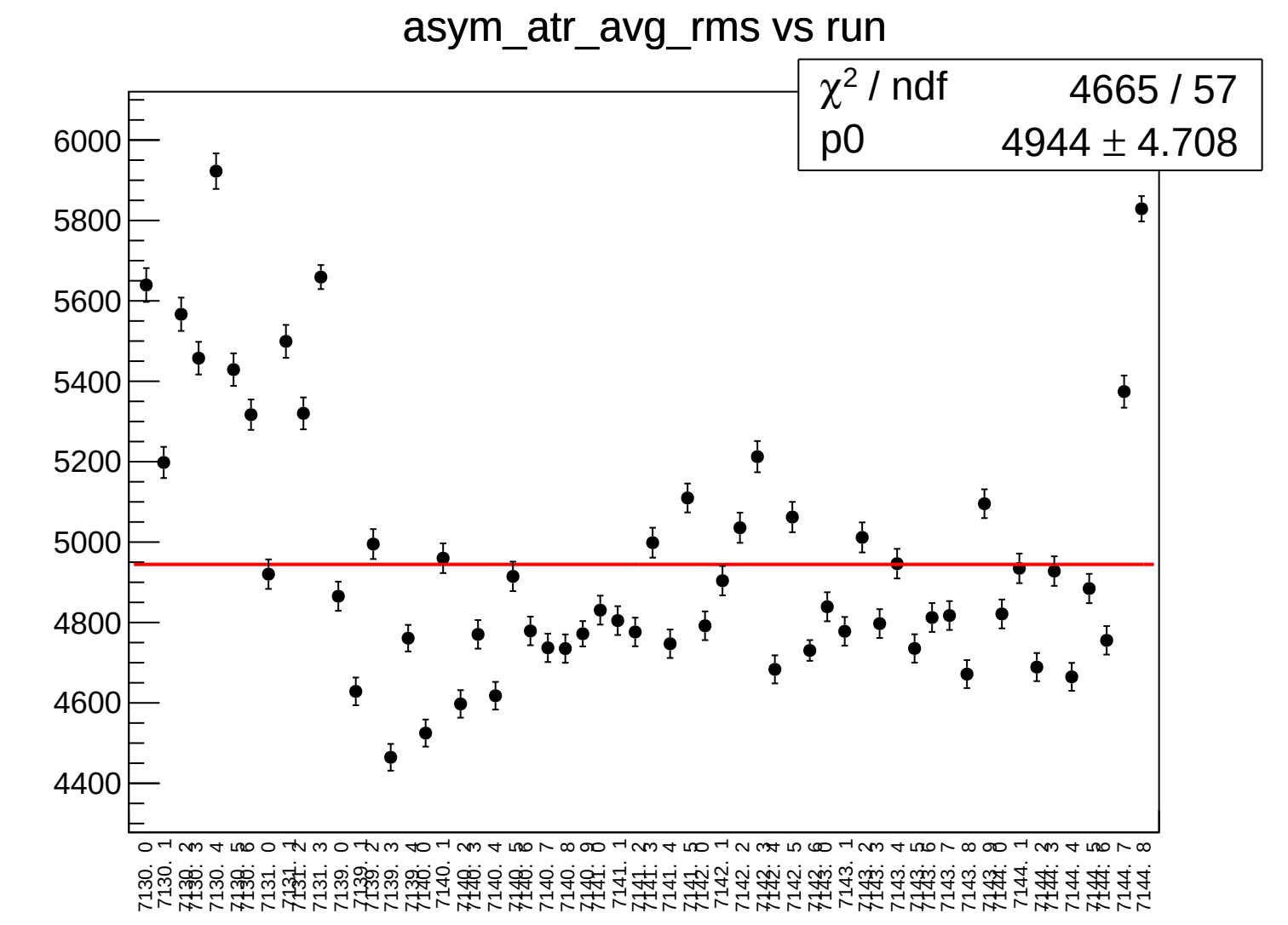

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 63.38 / 57
p0 102.3 ± 6239
150
100
50
0
−50
−100
−150
pull
Entries 58
Mean −468.6
Std Dev 498.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

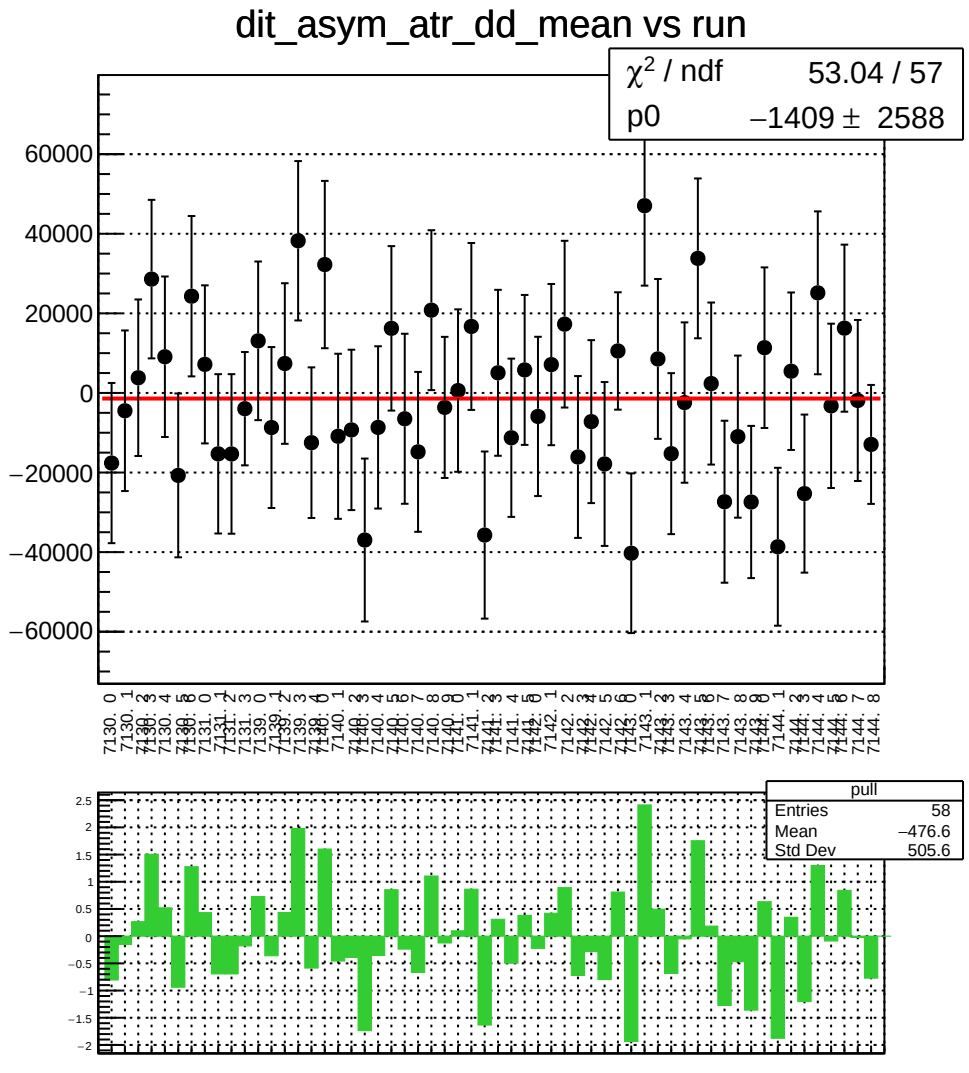

pull1D
Entries 58
Mean −0.01235
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

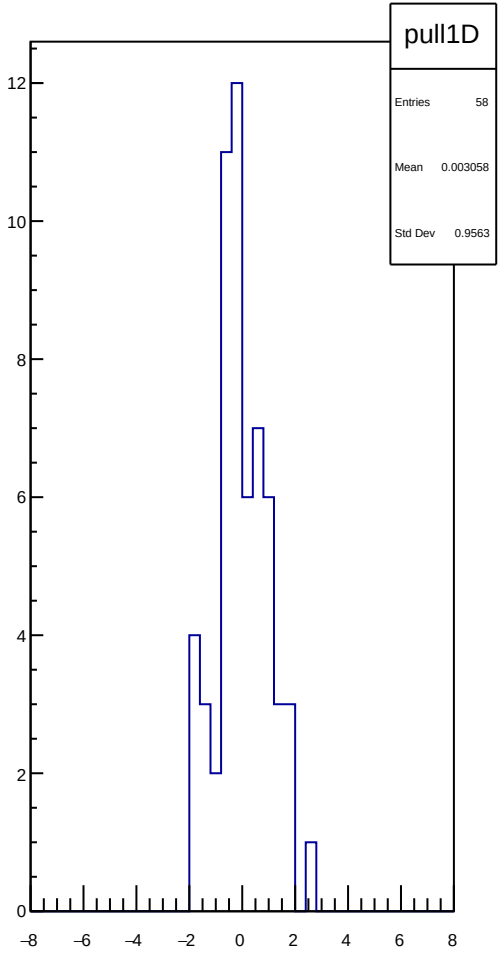

asym_atr_avg_correction_rms vs run
χ² / ndf 5286 / 57
p0 4632 ± 4.412
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000

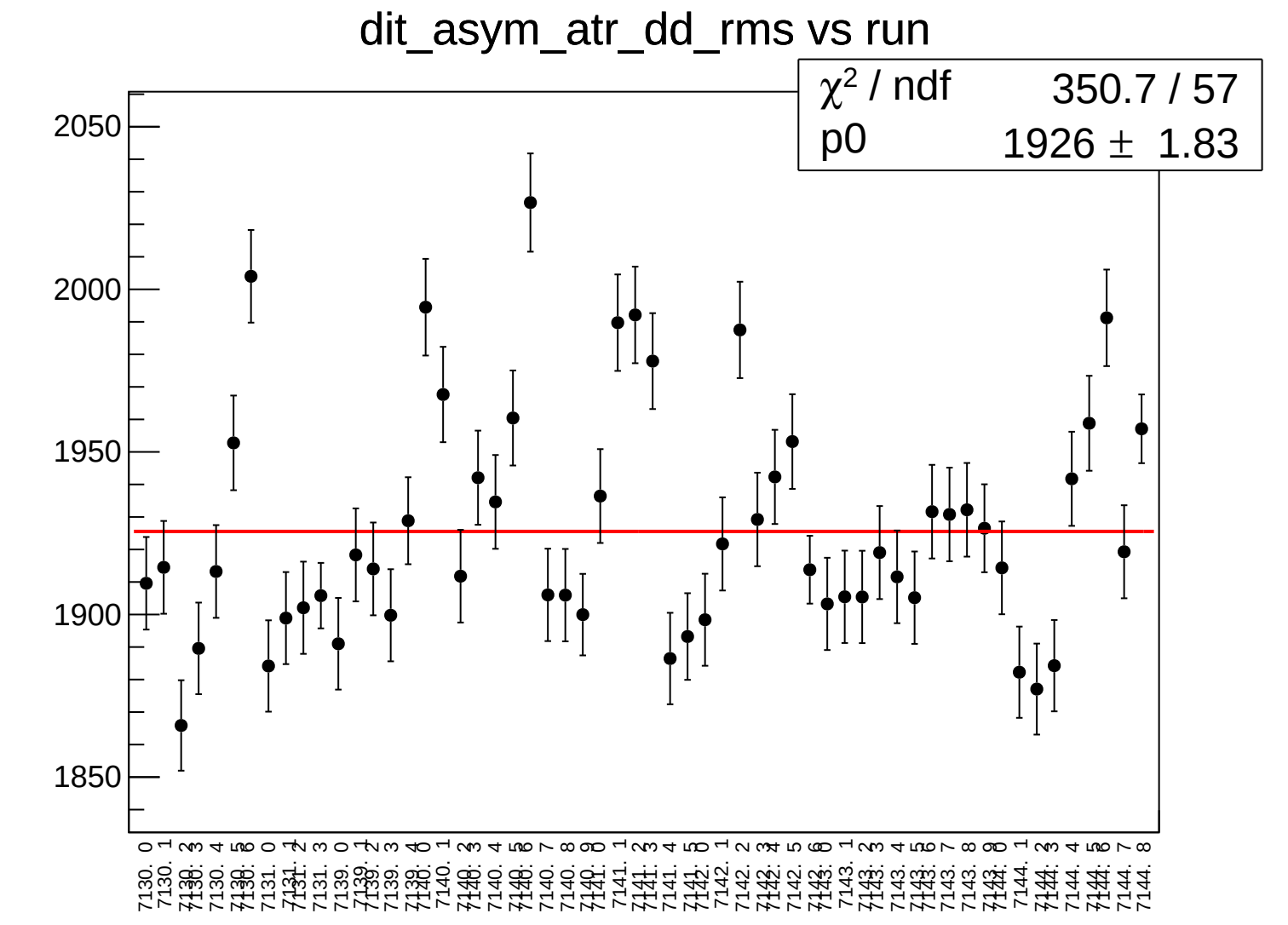

asym_atr_avg_mean vs run
×10^3
χ² / ndf 61.31 / 57
p0 −2449 ± 6657
150
100
50
0
−50
−100
−150
−200
pull
Entries 58
Mean −921.8
Std Dev 953.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

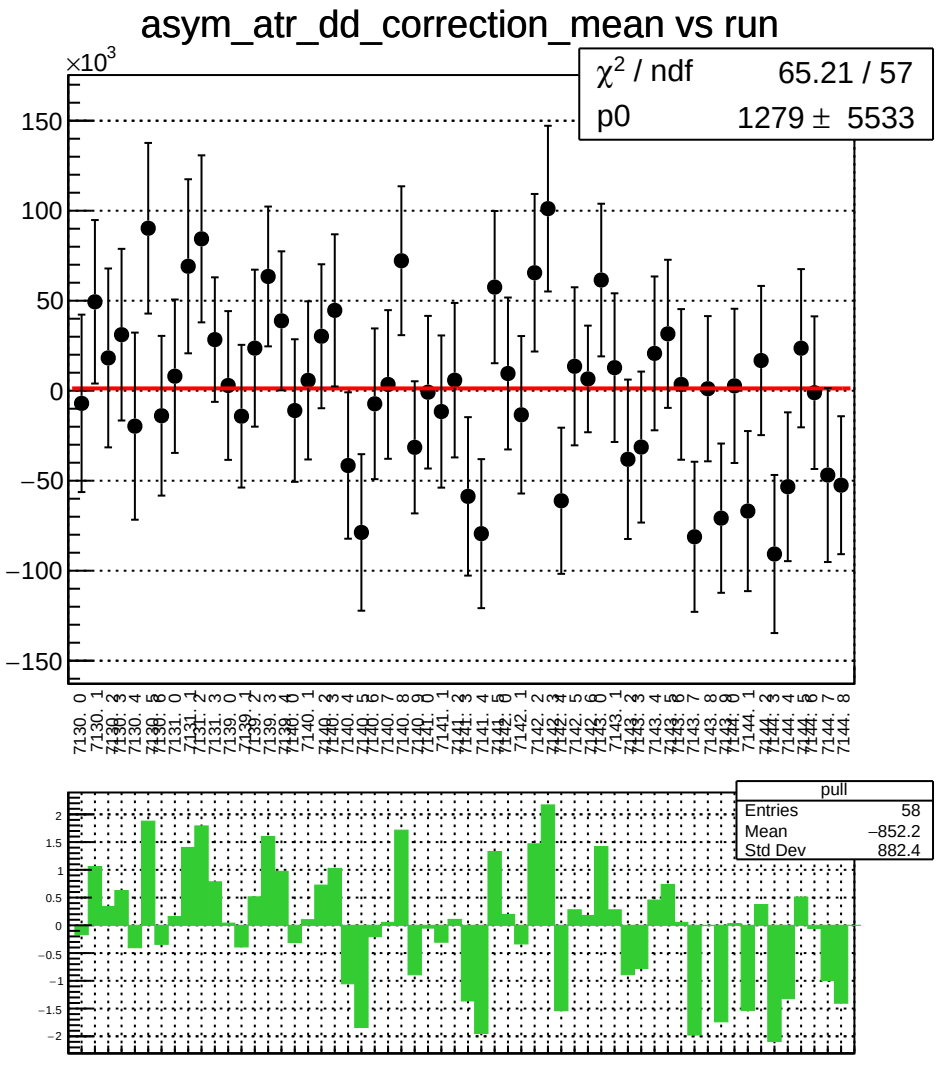

pull1D
Entries 58
Mean 0.006778
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

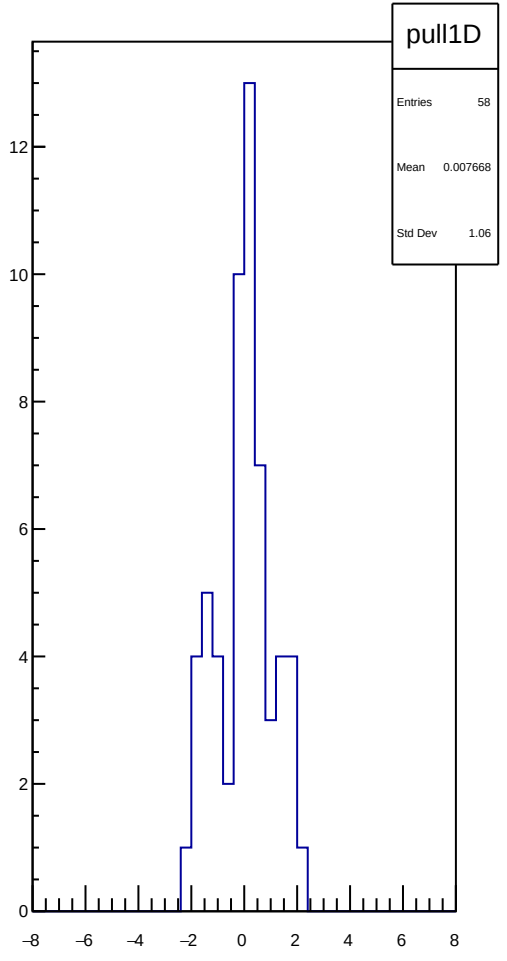

asym_atr_avg_rms vs run
χ² / ndf 4665 / 57
p0 4944 ± 4.708
6000
5800
5600
5400
5200
5000
4800
4600
4400

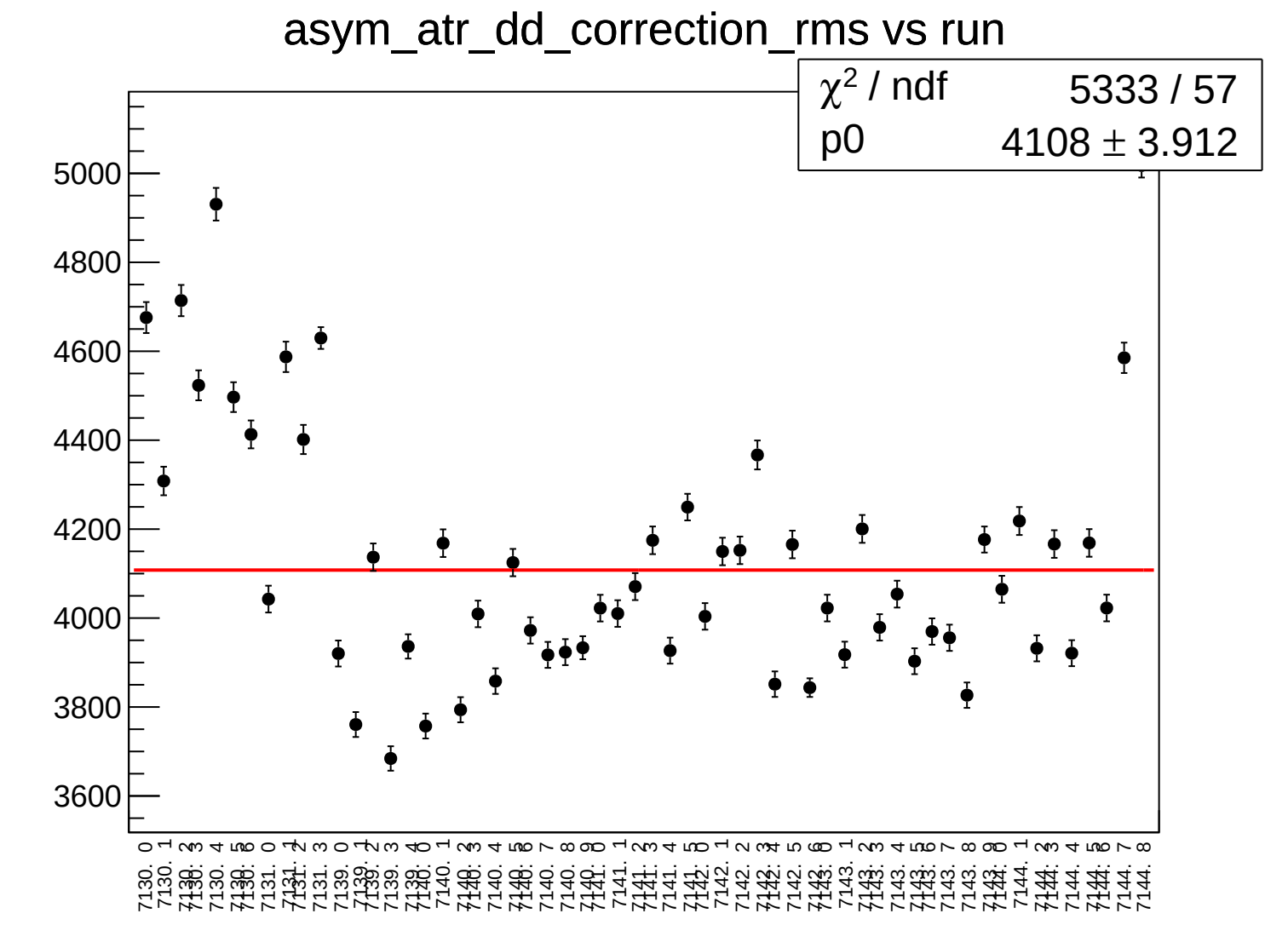

dit_asym_atr_dd_mean vs run
χ² / ndf 53.04 / 57
p0 −1409 ± 2588
pull
Entries 58
Mean −476.6
Std Dev 505.6

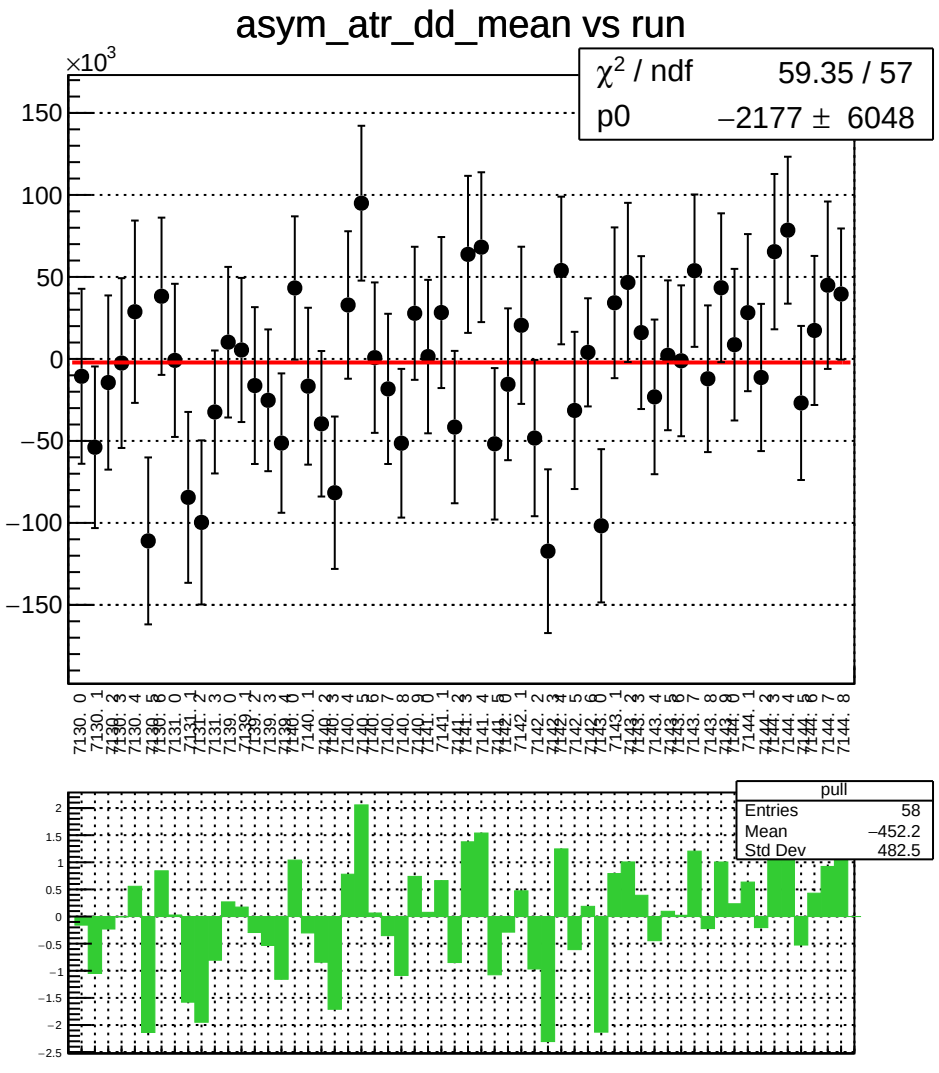

pull1D
Entries 58
Mean 0.003058
Std Dev 0.9563

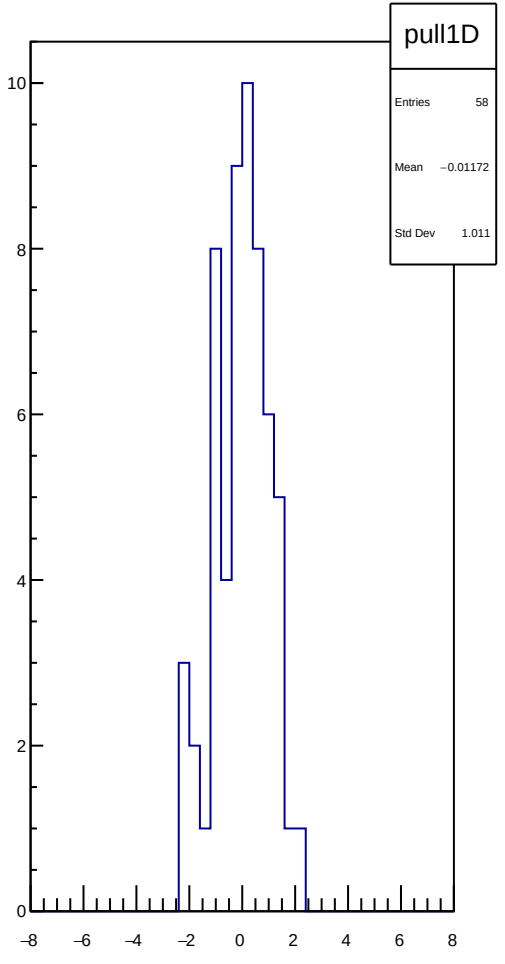

dit_asym_atr_dd_rms vs run
χ² / ndf 350.7 / 57
p0 1926 ± 1.83
2050
2000
1950
1900
1850

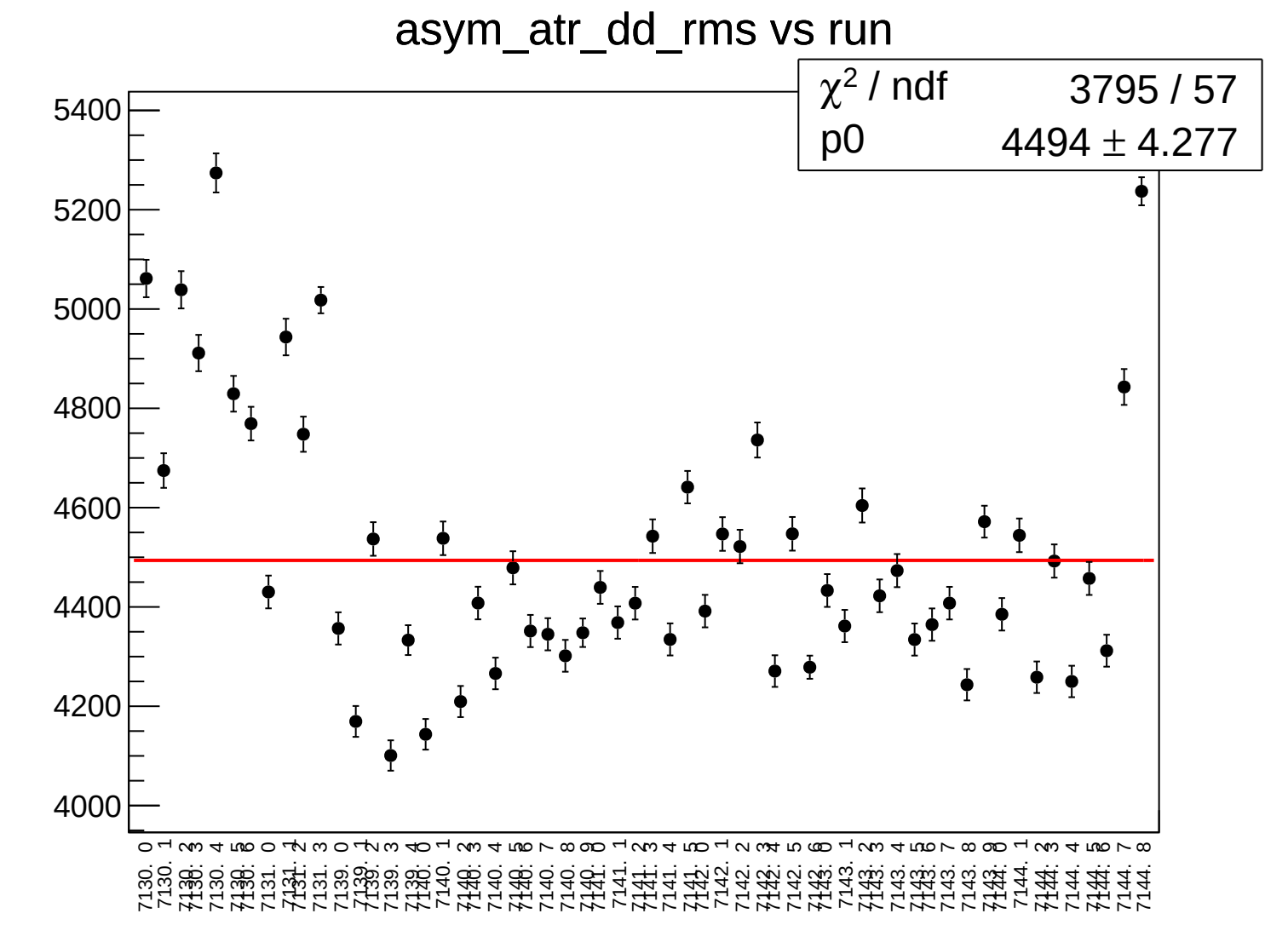

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 65.21 / 57
p0 1279 ± 5533
150
100
50
0
−50
−100
−150
pull
Entries 58
Mean −852.2
Std Dev 882.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

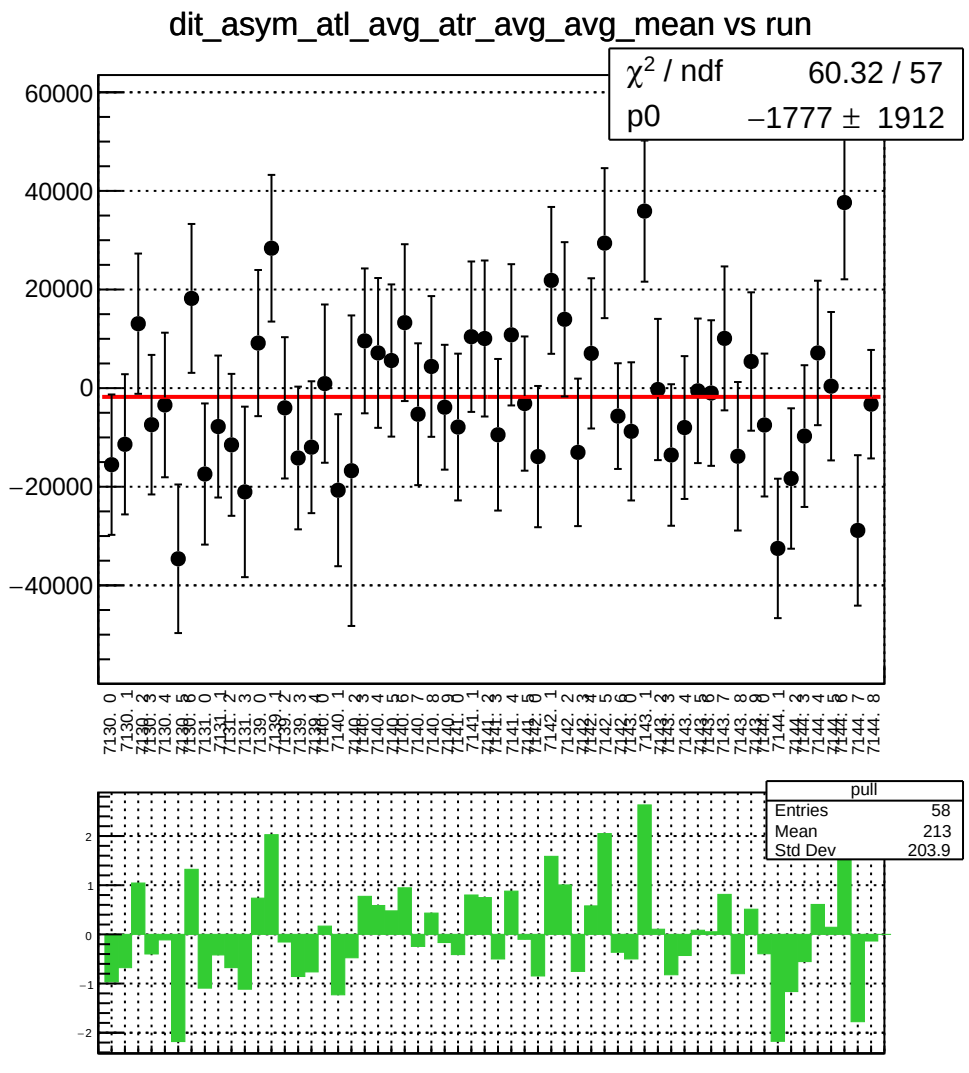

pull1D
Entries 58
Mean 0.007668
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

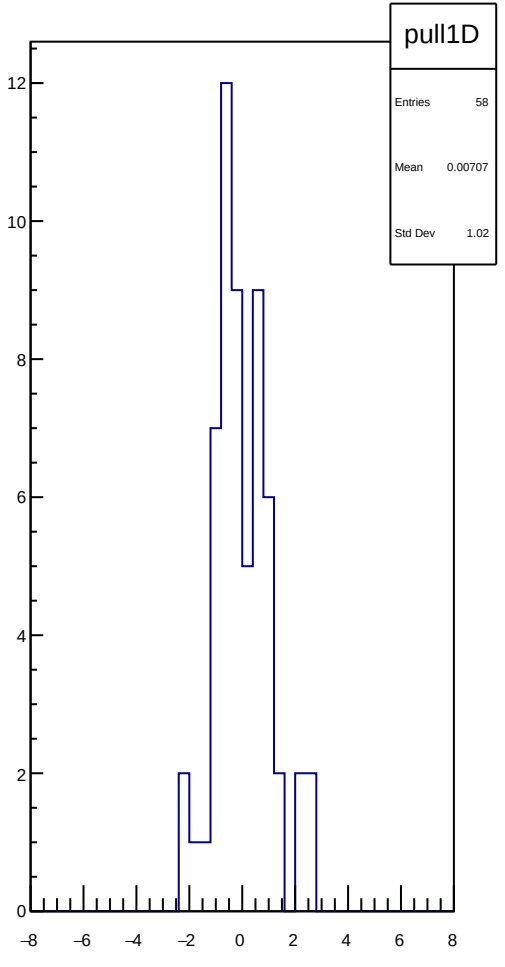

asym_atr_dd_correction_rms vs run
χ² / ndf 5333 / 57
p0 4108 ± 3.912
5000
4800
4600
4400
4200
4000
3800
3600

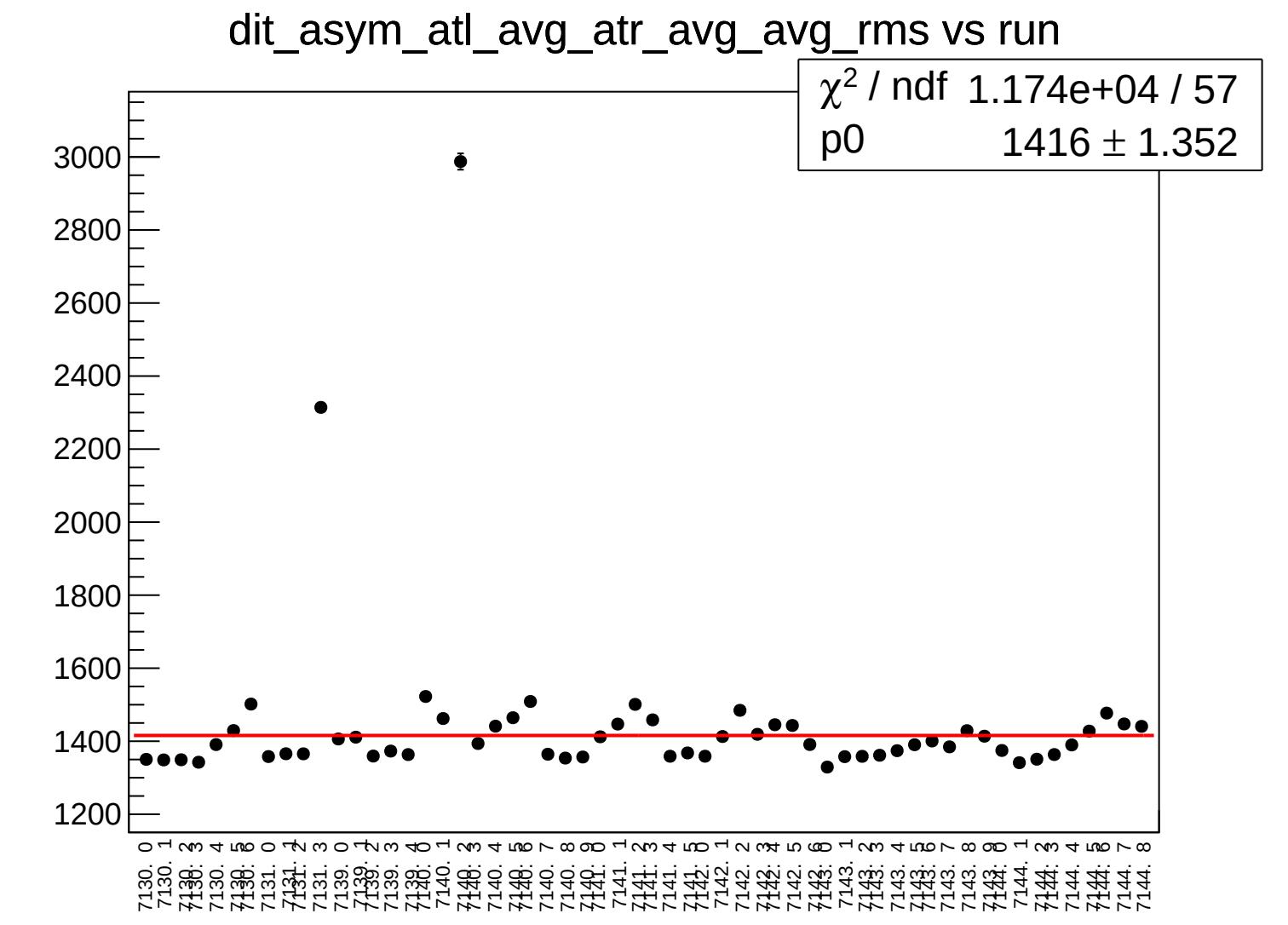

asym_atr_dd_mean vs run
×10^3
χ² / ndf 59.35 / 57
p0 −2177 ± 6048
150
100
50
0
−50
−100
−150
pull
Entries 58
Mean −452.2
Std Dev 482.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

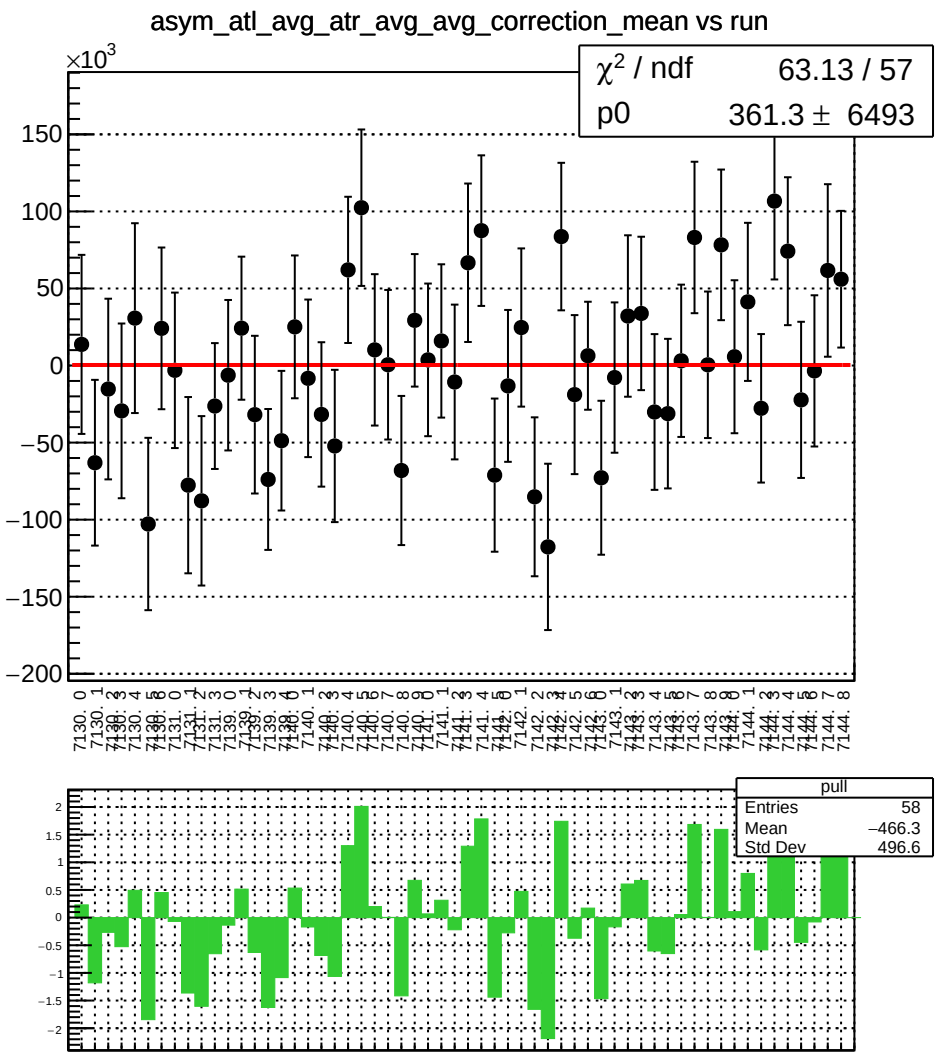

pull1D
Entries 58
Mean −0.01172
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

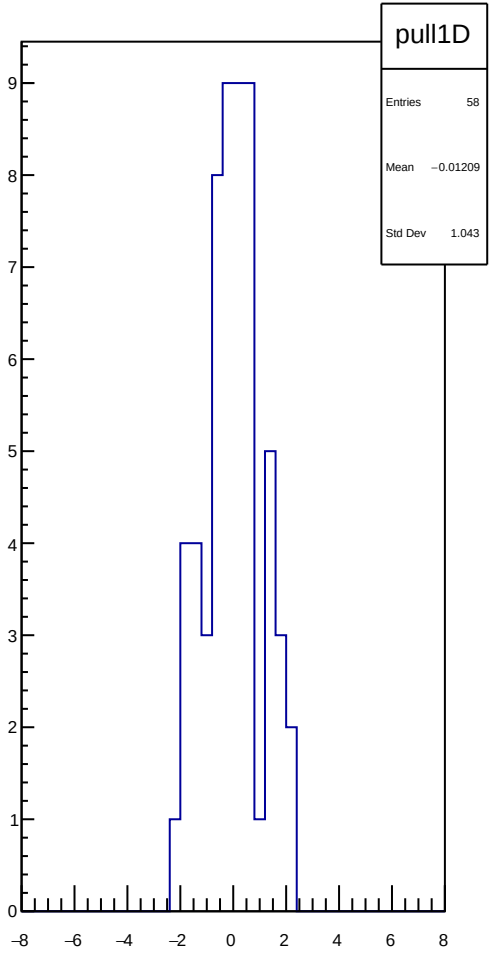

asym_atr_dd_rms vs run
χ^2 / ndf 3795 / 57
p0 4494 ± 4.277
5400
5200
5000
4800
4600
4400
4200
4000

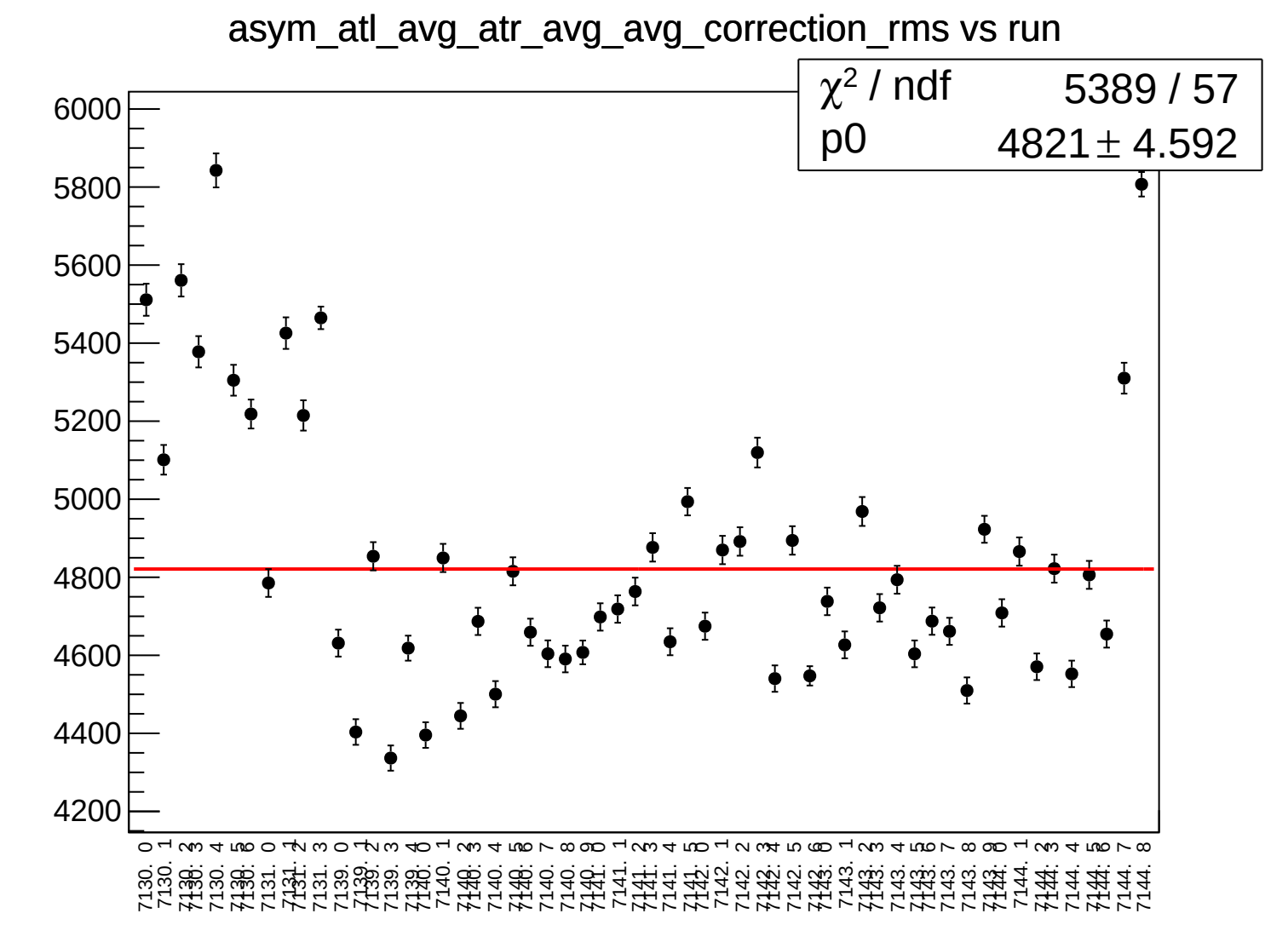

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 60.32 / 57
p0 −1777 ± 1912
pull
Entries 58
Mean 213
Std Dev 203.9

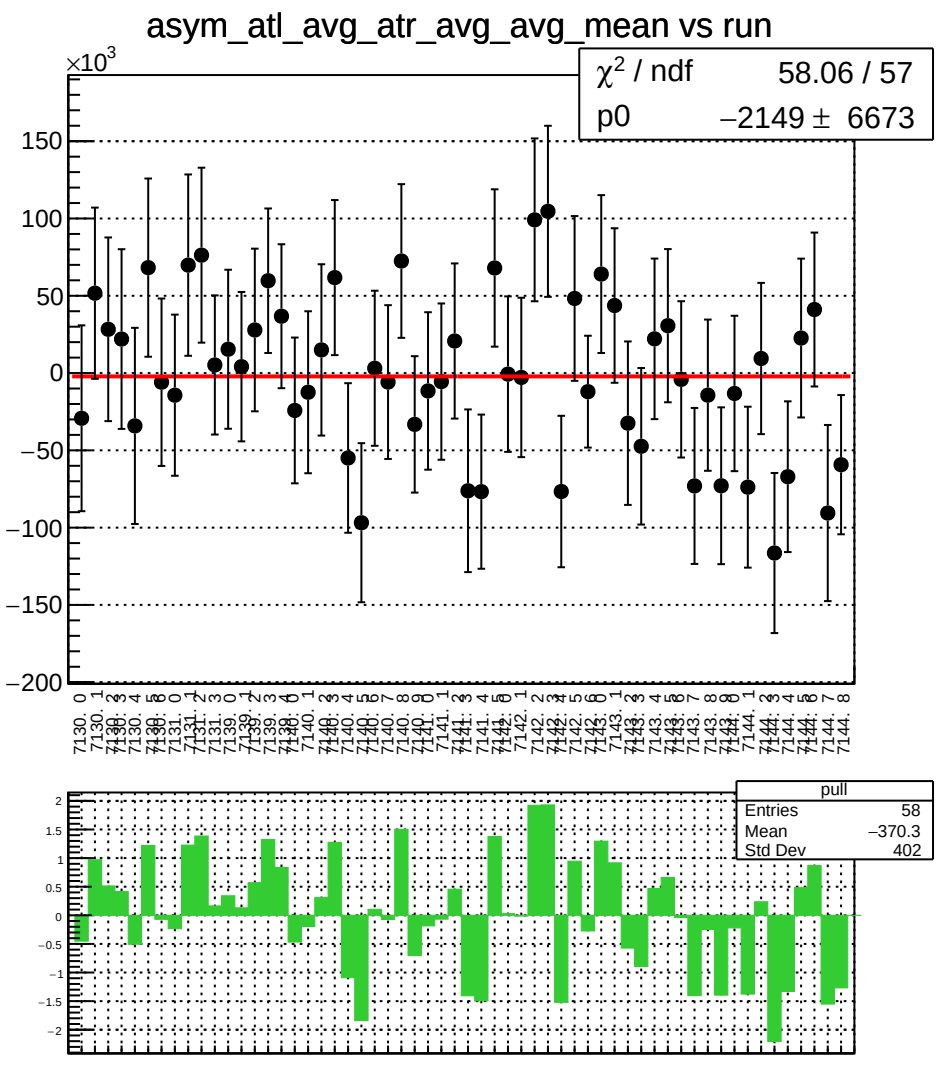

pull1D
Entries 58
Mean 0.00707
Std Dev 1.02

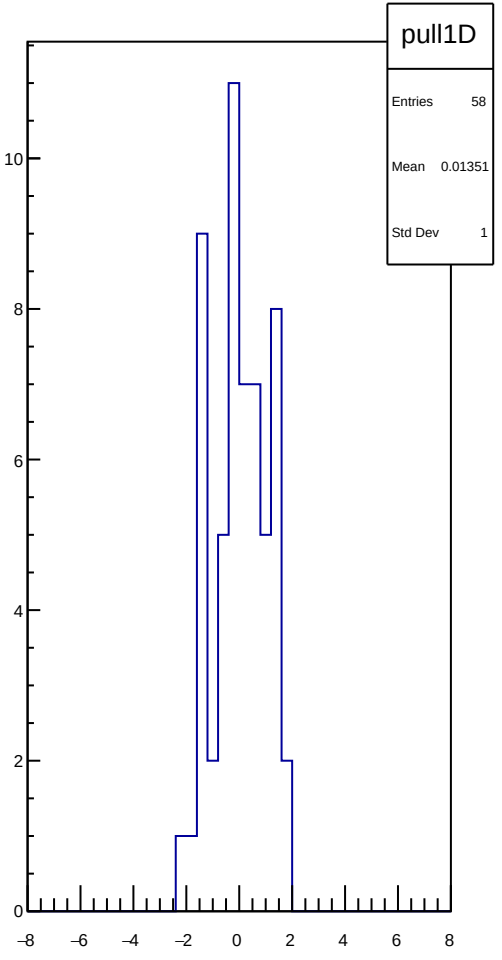

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.174e+04 / 57
p0 1416 ± 1.352
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

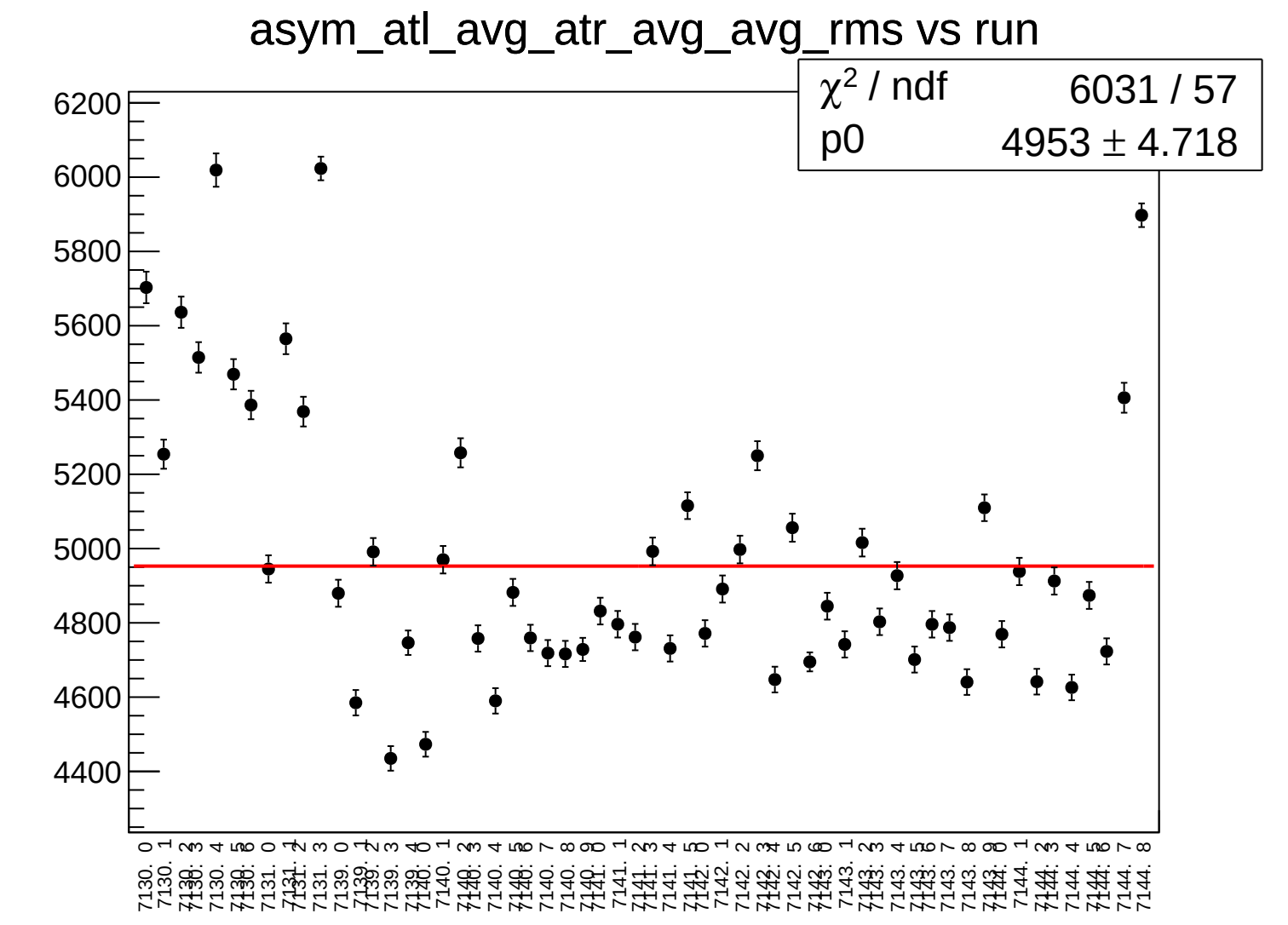

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 63.13 / 57
p0 361.3 ± 6493
×10³
pull
Entries 58
Mean −466.3
Std Dev 496.6

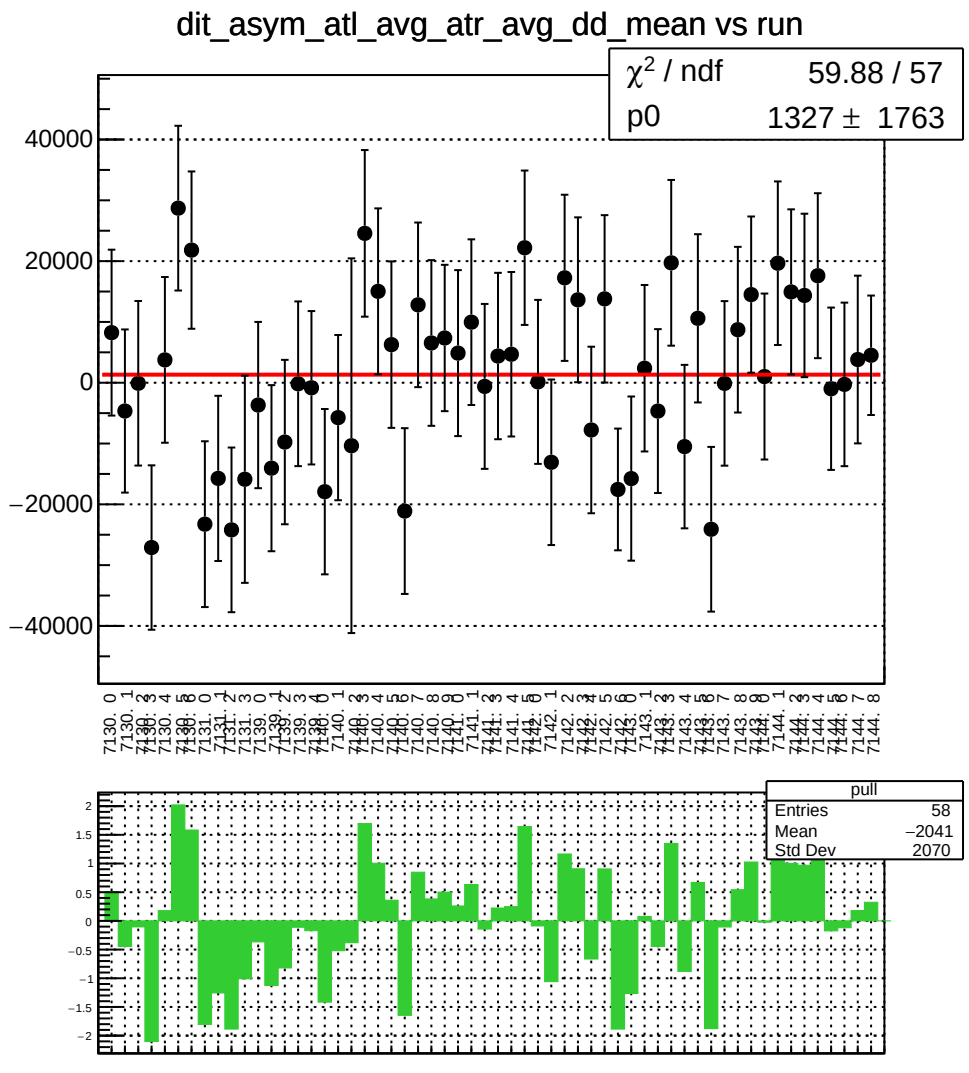

pull1D
Entries 58
Mean −0.01209
Std Dev 1.043

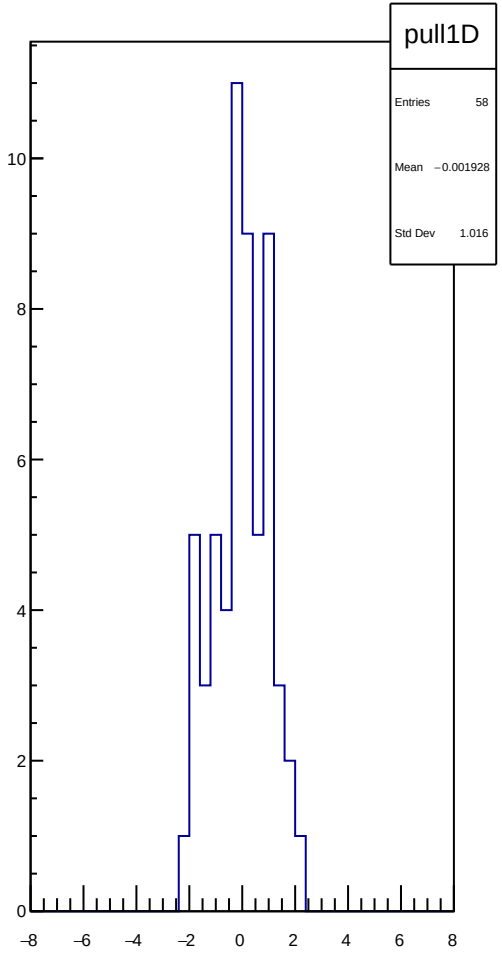

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5389 / 57
p0 4821 ± 4.592
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

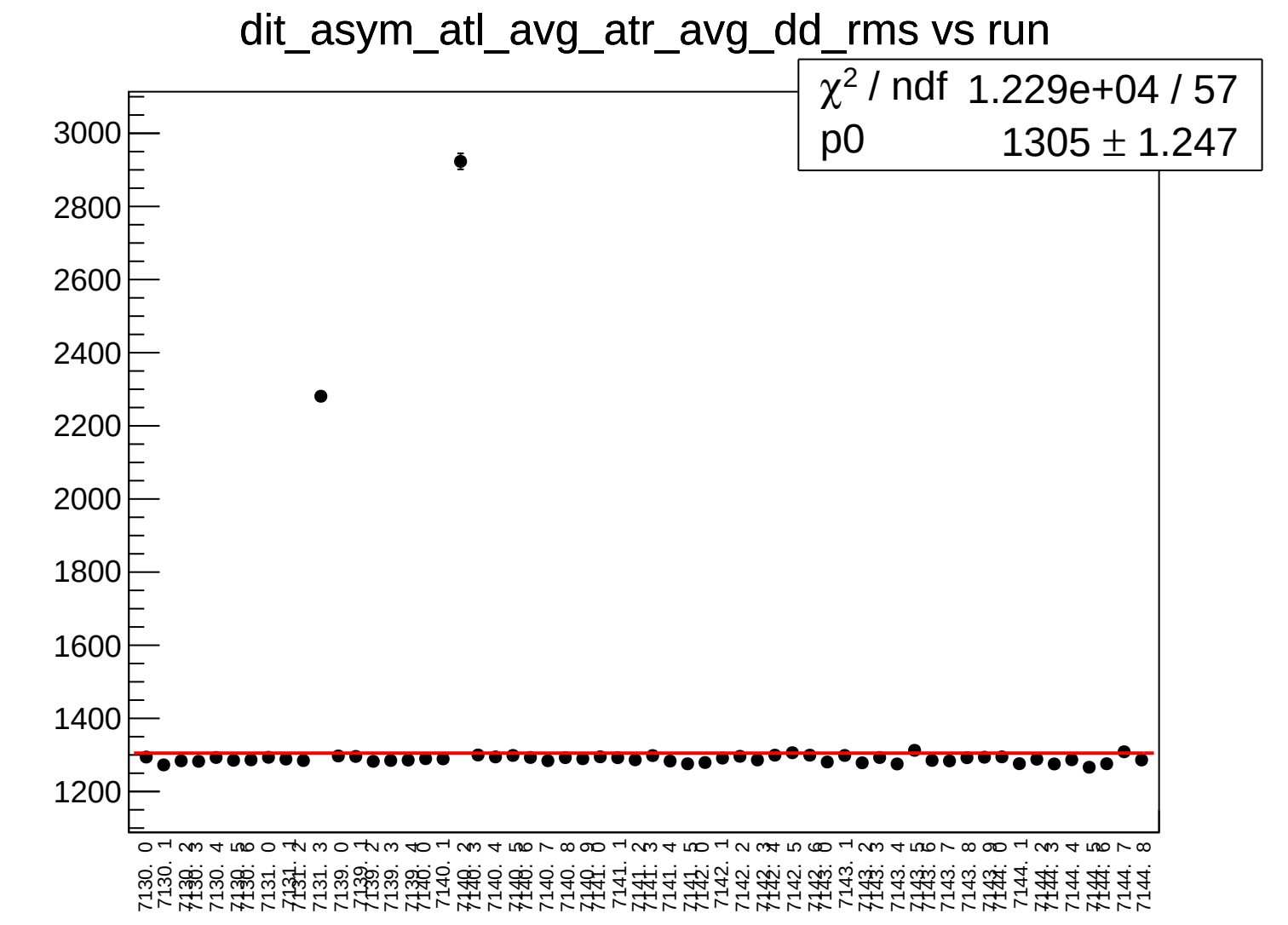

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 58.06 / 57
p0 −2149 ± 6673
pull
Entries 58
Mean −370.3
Std Dev 402

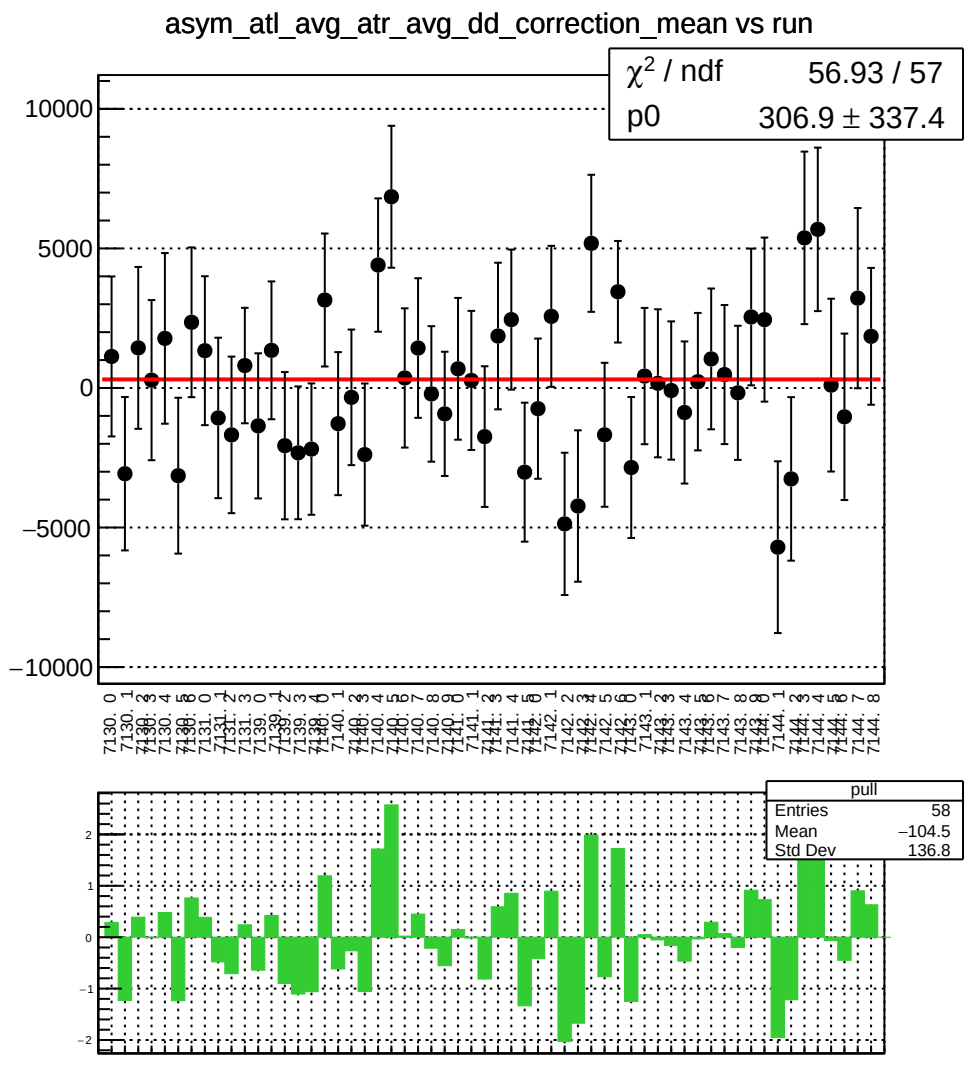

pull1D
Entries 58
Mean 0.01351
Std Dev 1

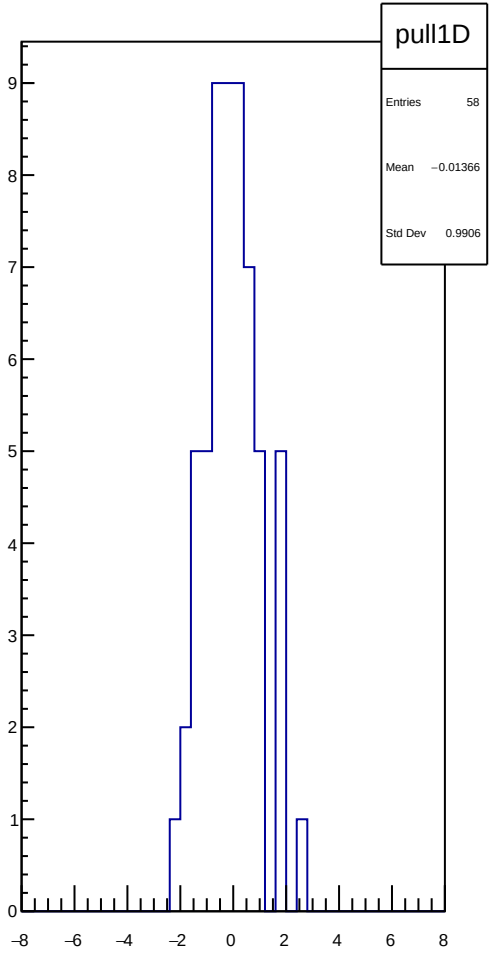

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6031 / 57
p0 4953 ± 4.718
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

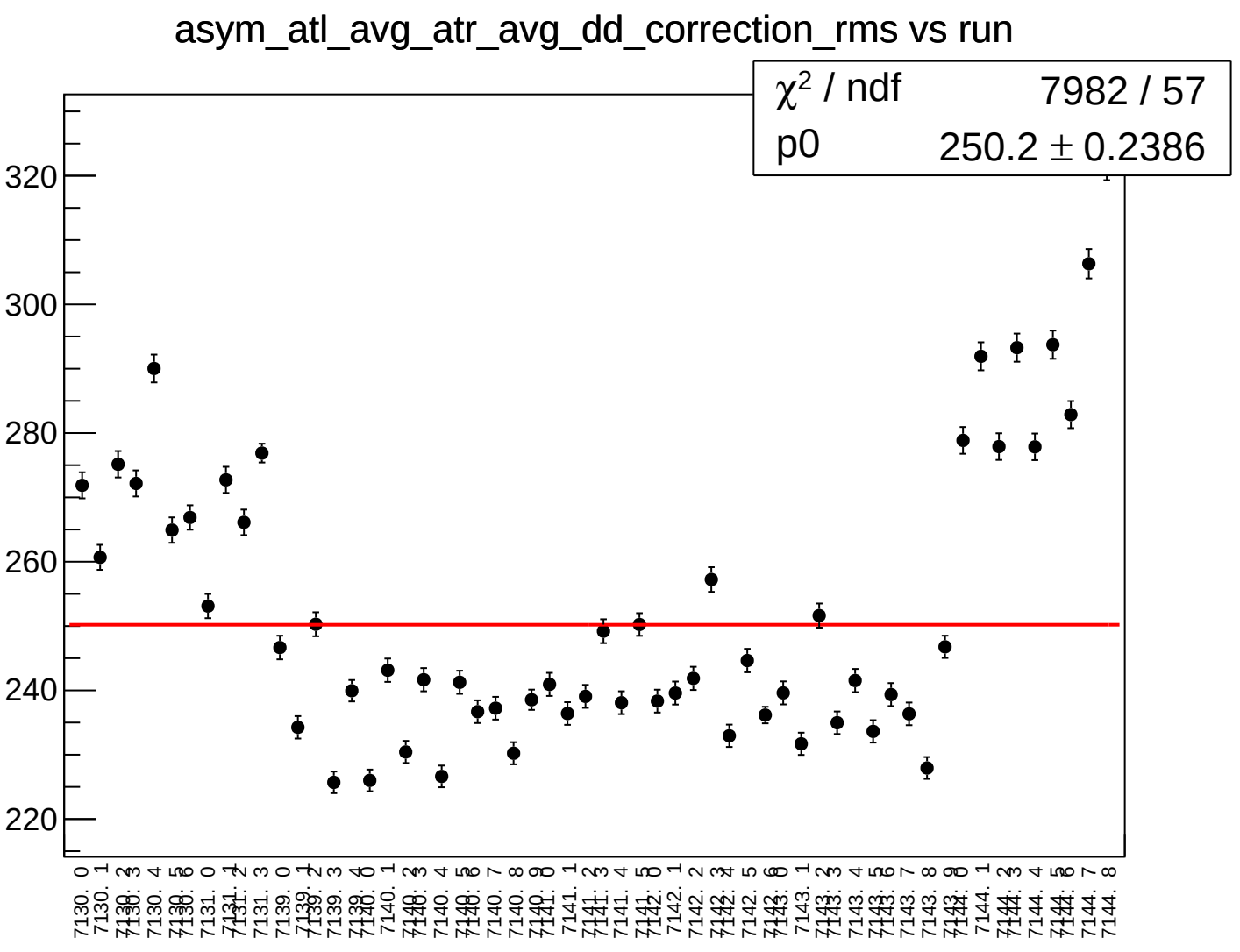

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 59.88 / 57
p0 1327 ± 1763
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −2041
Std Dev 2070
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

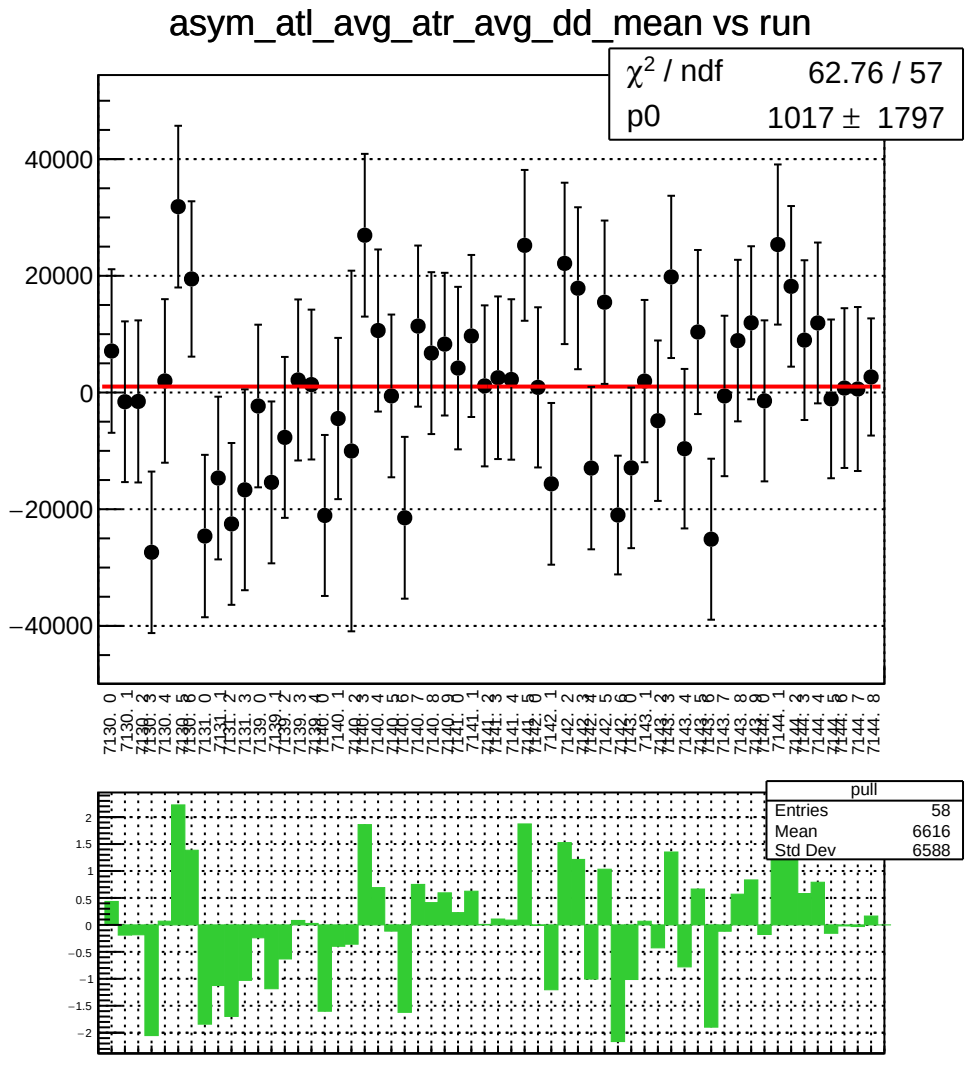

pull1D
Entries 58
Mean −0.001928
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

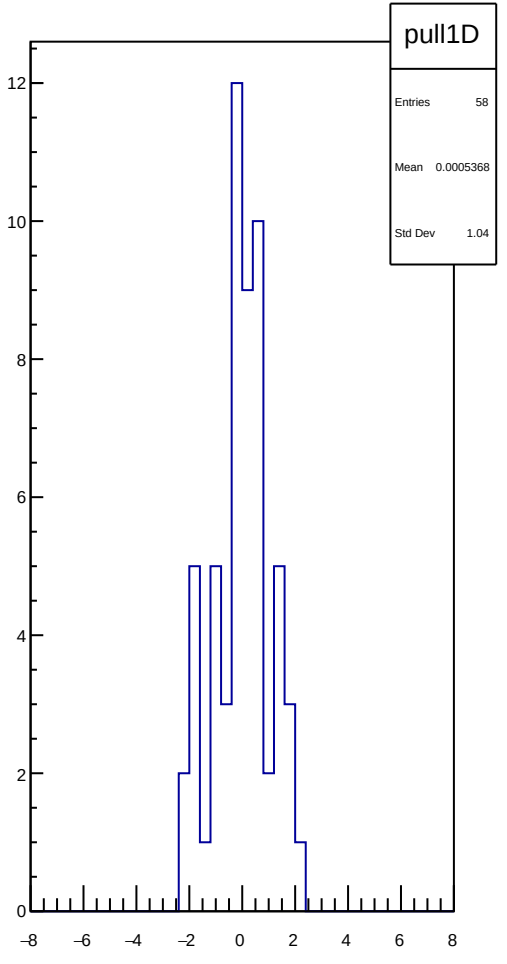

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.229e+04 / 57
p0 1305 ± 1.247
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

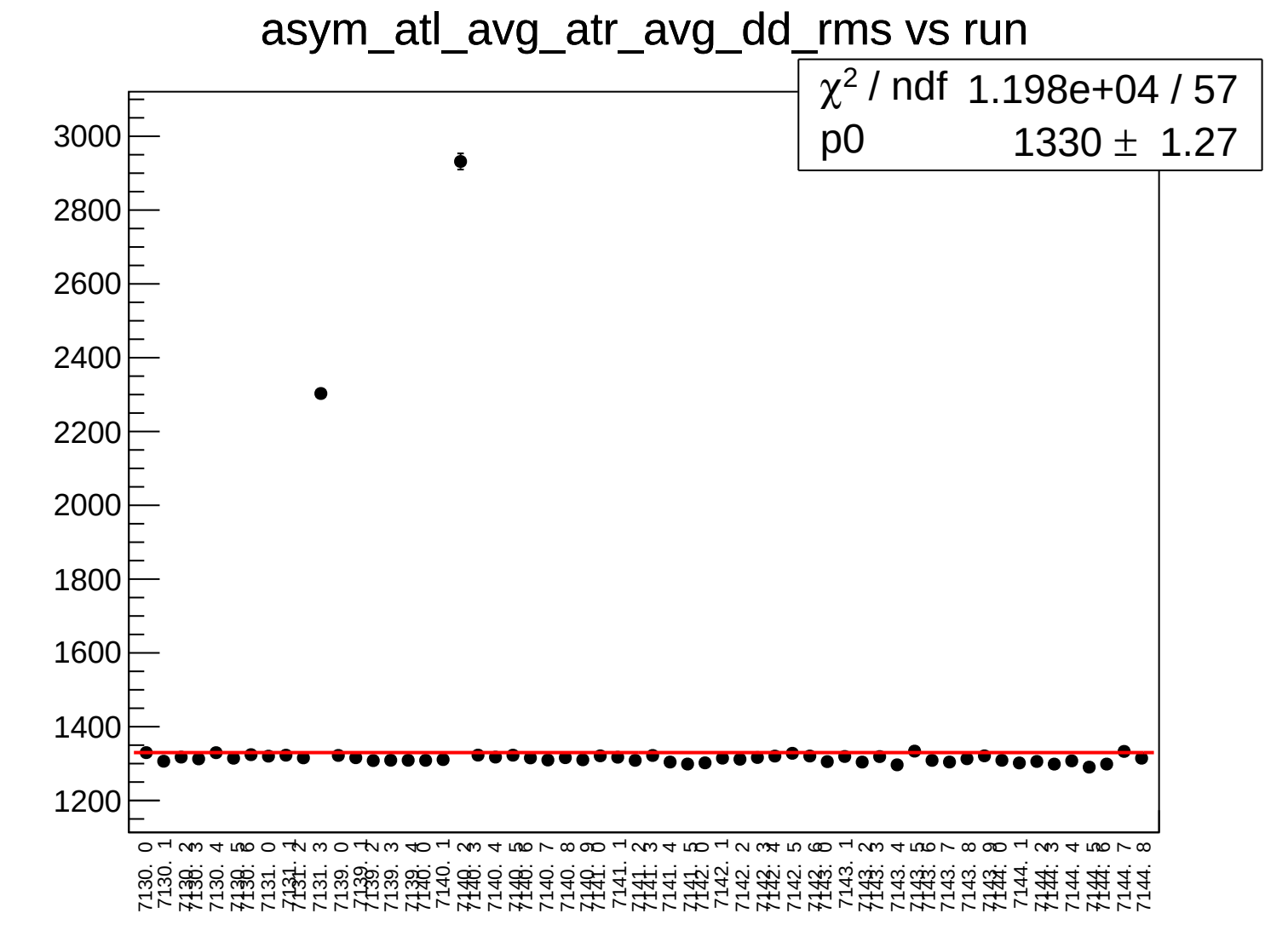

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 56.93 / 57
p0 306.9 ± 337.4
10000
5000
0
−5000
−10000
pull
Entries 58
Mean −104.5
Std Dev 136.8
2
1
0
−1
−2

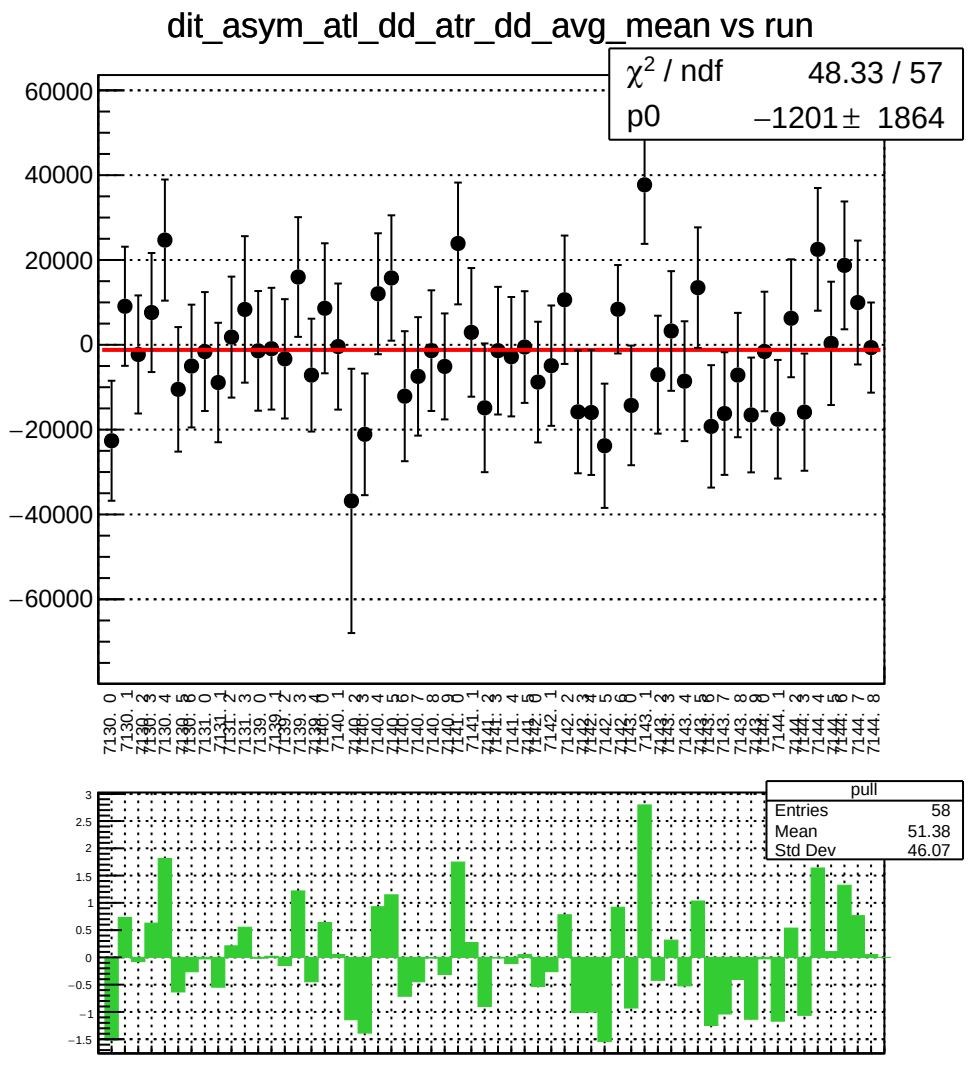

pull1D
Entries 58
Mean −0.01366
Std Dev 0.9906
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

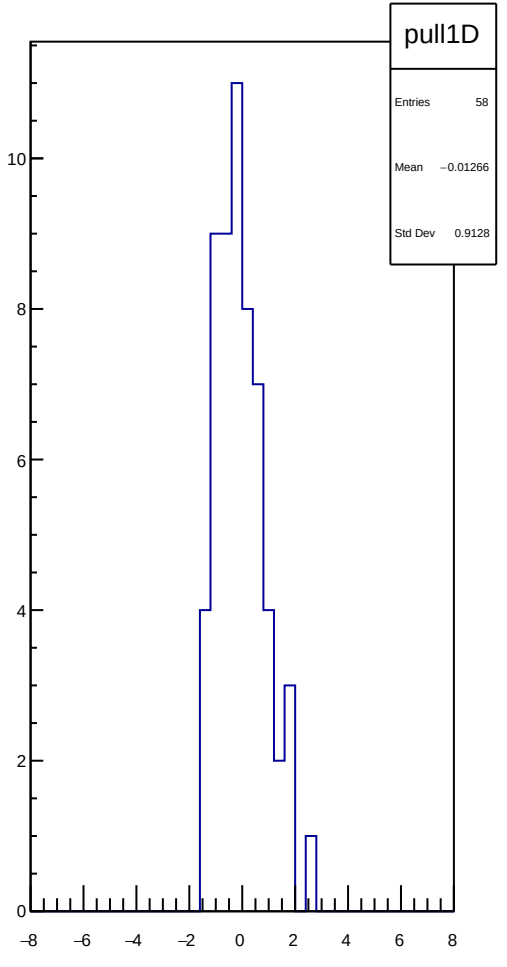

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 7982 / 57
p0 250.2 ± 0.2386
320
300
280
260
240
220

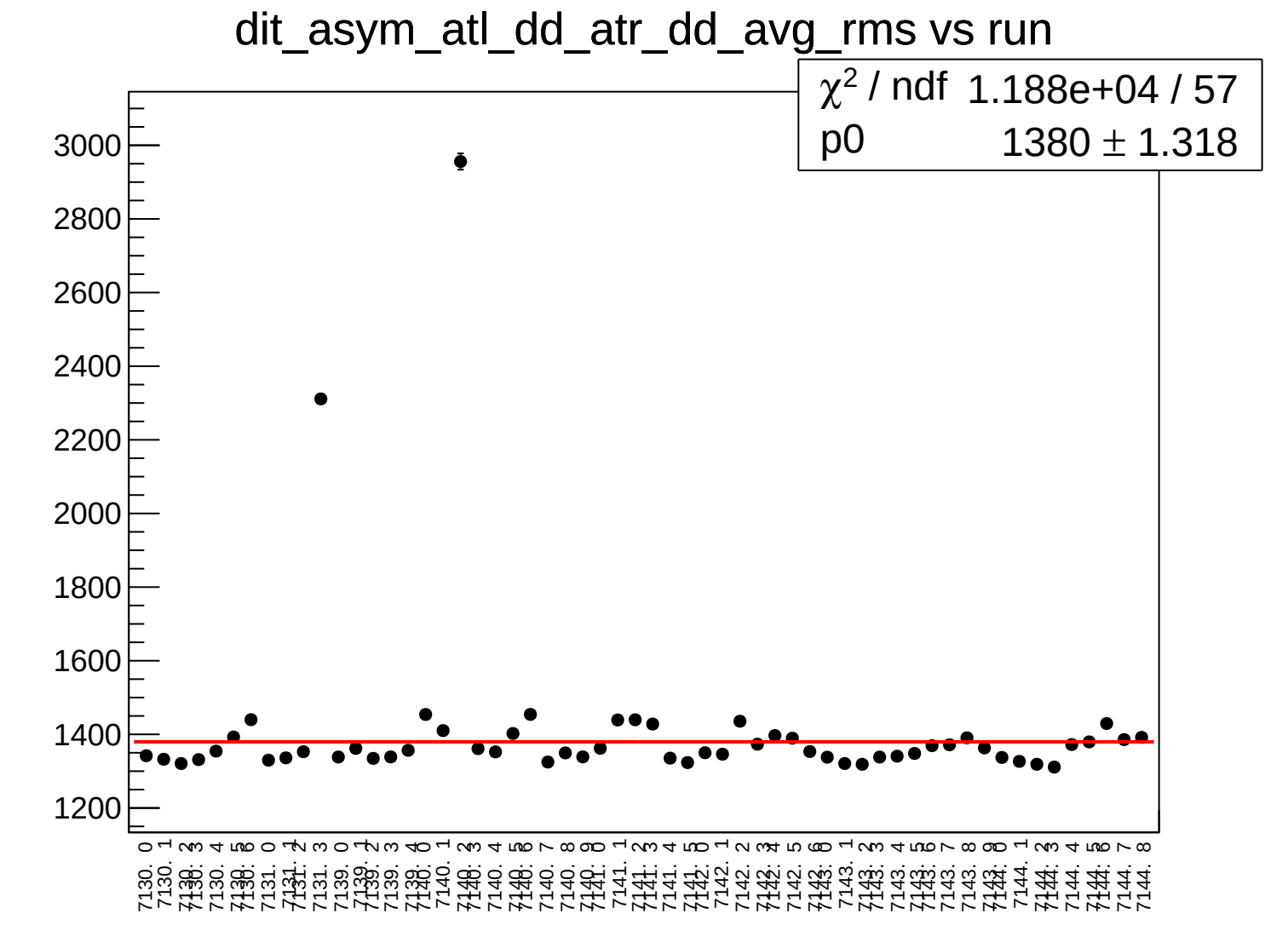

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 62.76 / 57
p0 1017 ± 1797
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 6616
Std Dev 6588
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

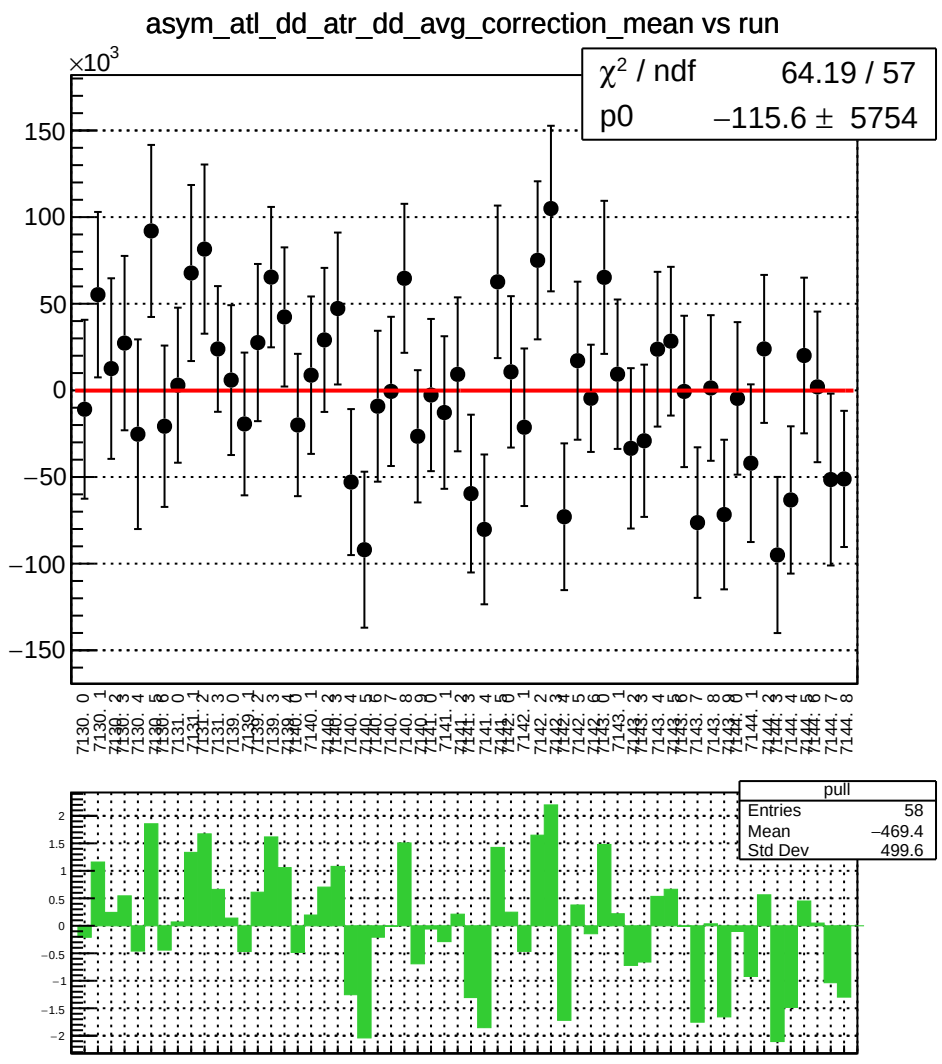

pull1D
Entries 58
Mean 0.0005368
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

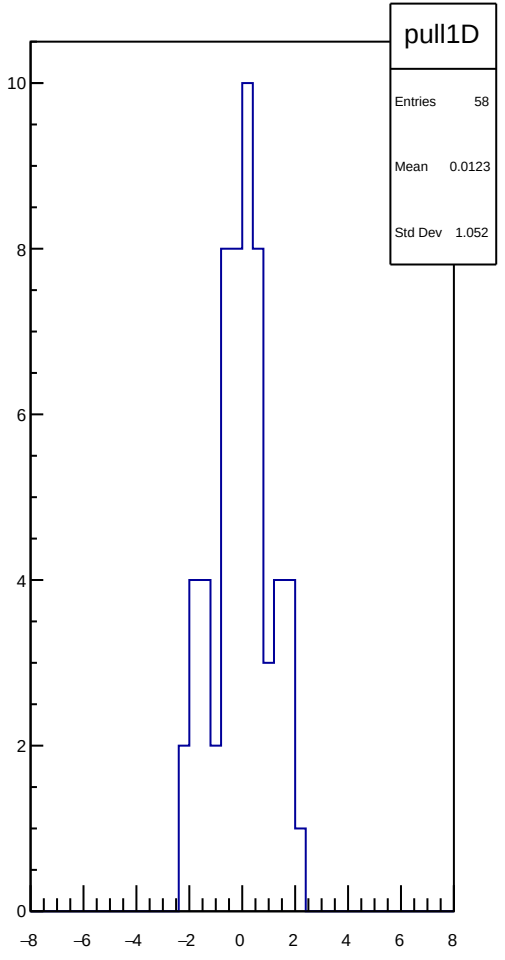

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.198e+04 / 57
p0 1330 ± 1.27
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

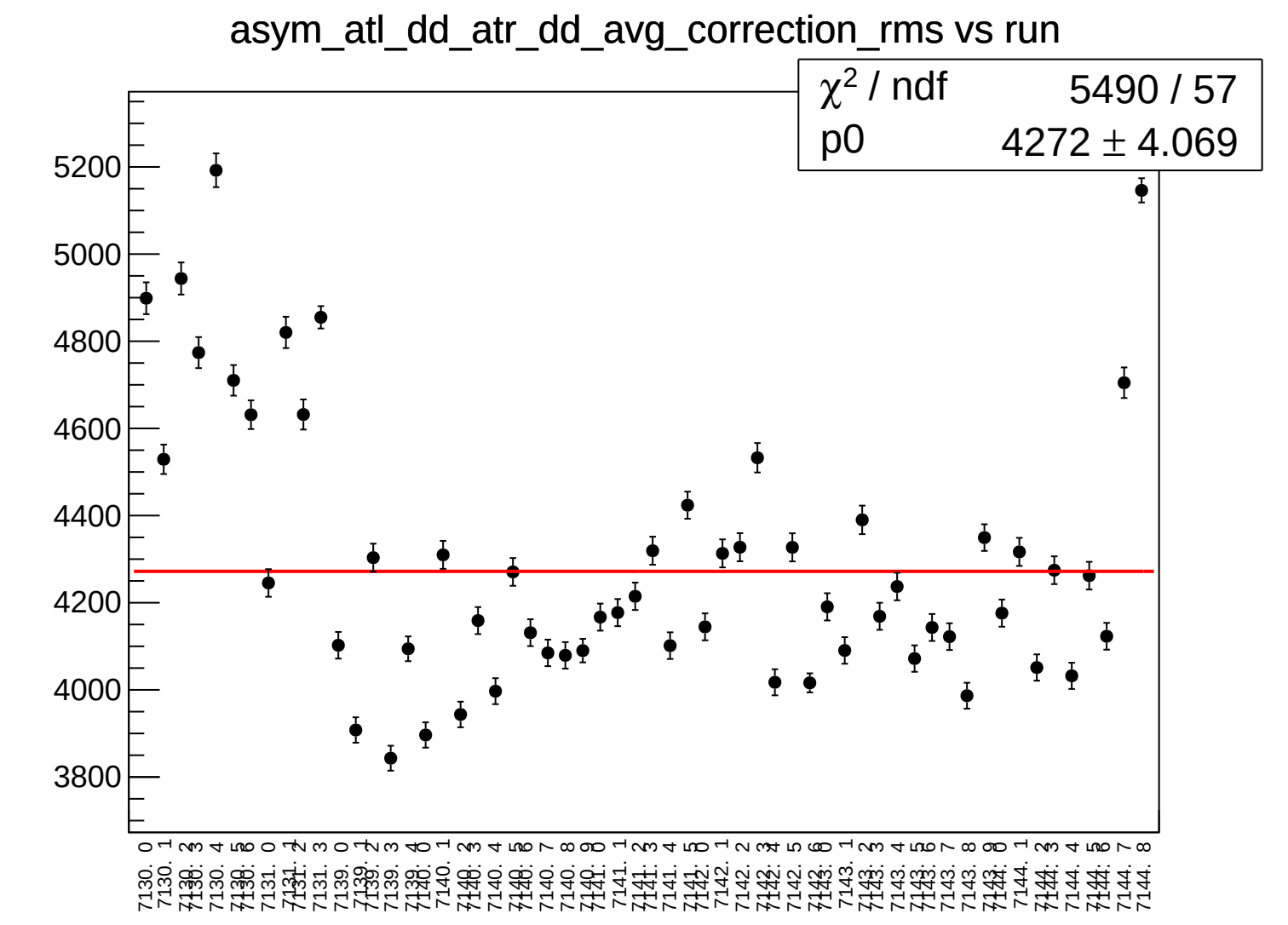

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 48.33 / 57
p0 −1201 ± 1864
pull
Entries 58
Mean 51.38
Std Dev 46.07

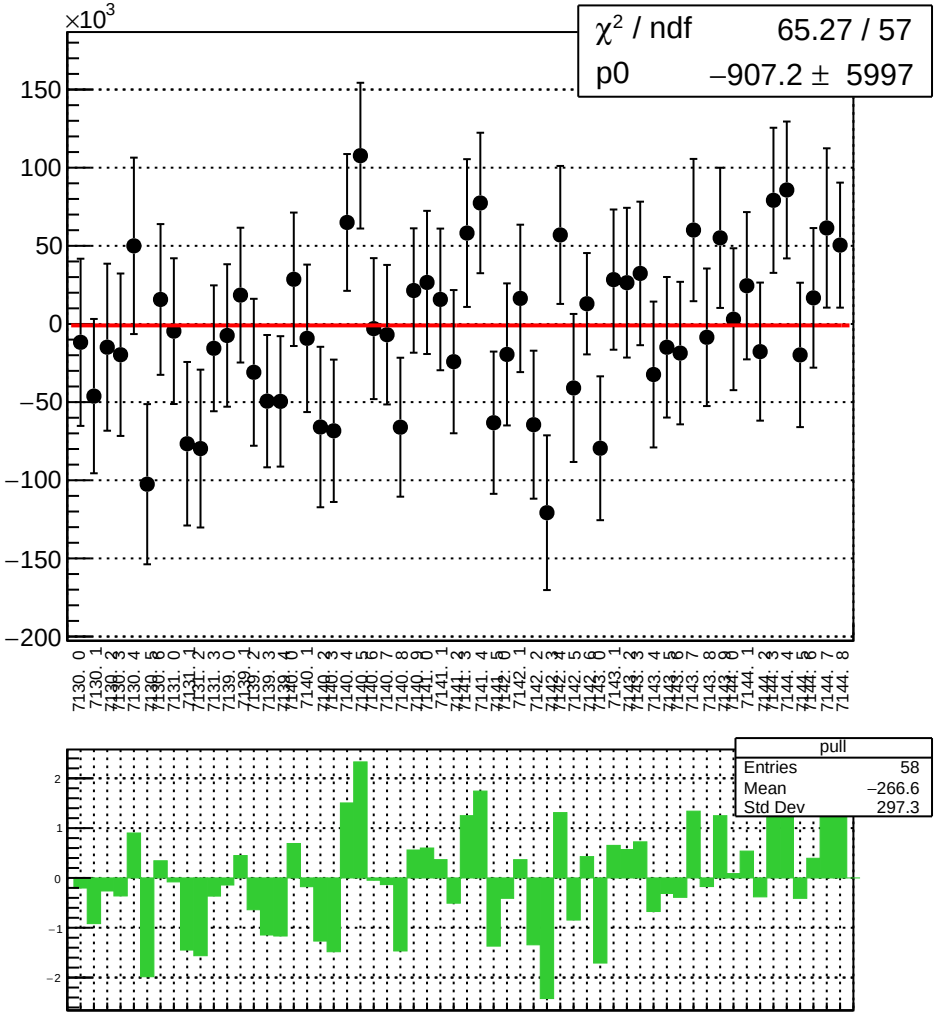

pull1D
Entries 58
Mean −0.01266
Std Dev 0.9128

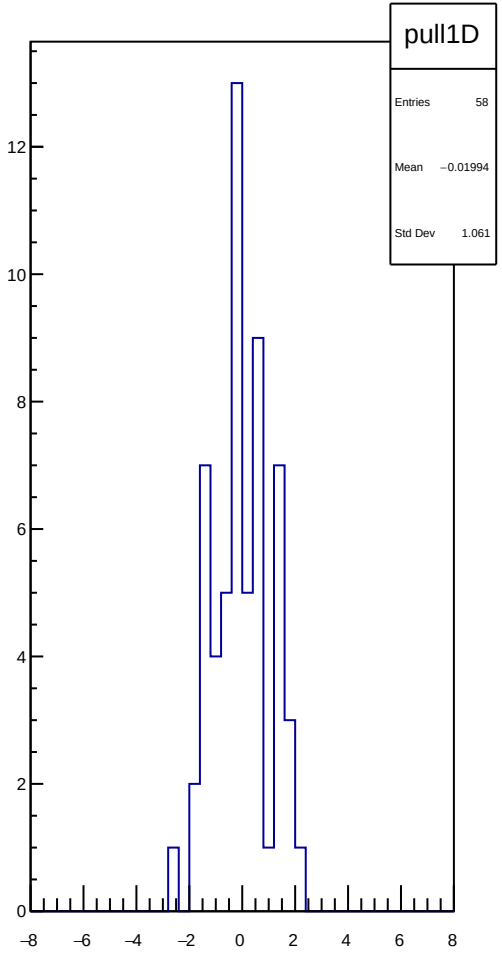

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.188e+04 / 57
p0 1380 ± 1.318
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

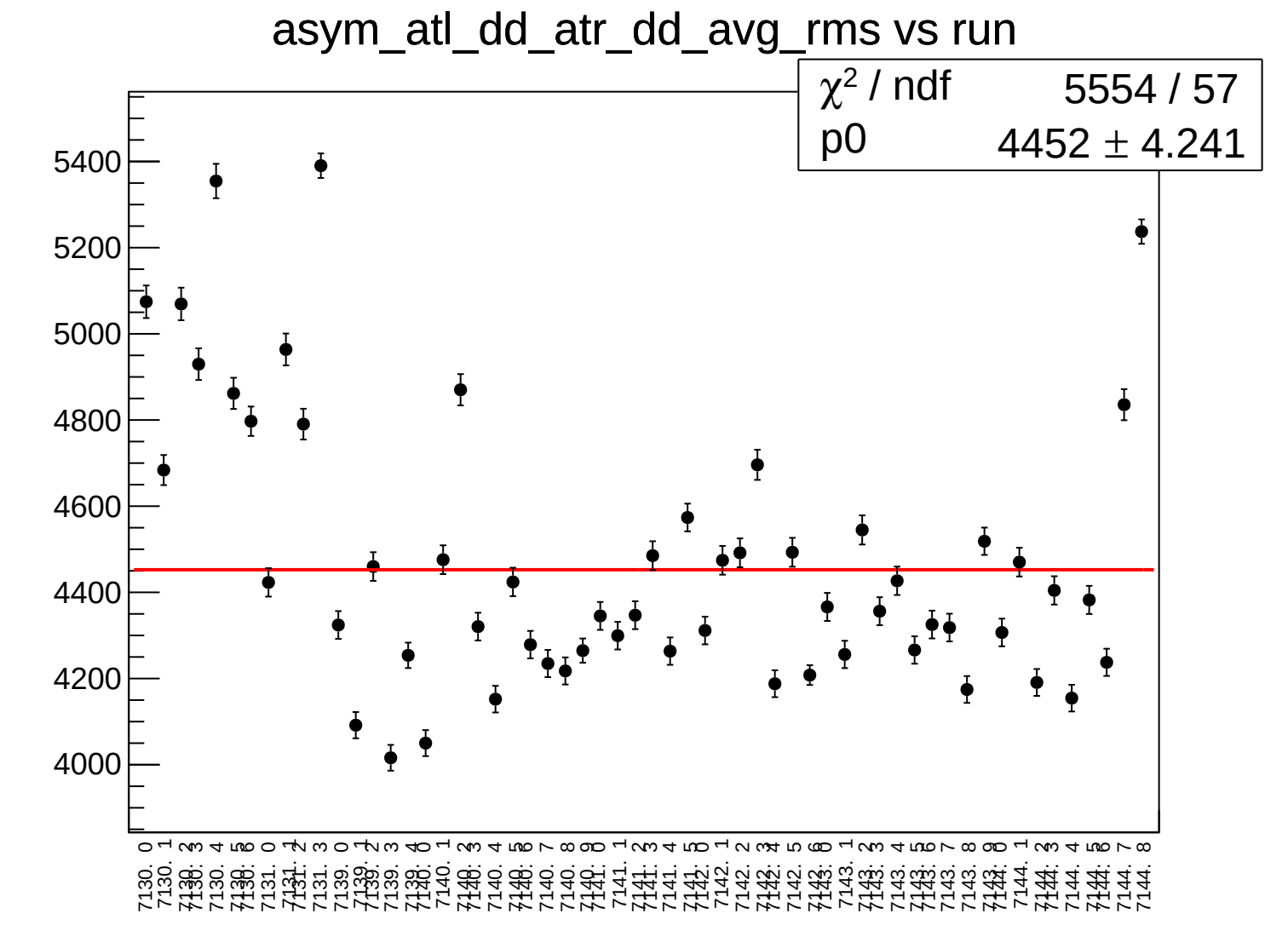

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 64.19 / 57
p0 −115.6 ± 5754
pull
Entries 58
Mean −469.4
Std Dev 499.6

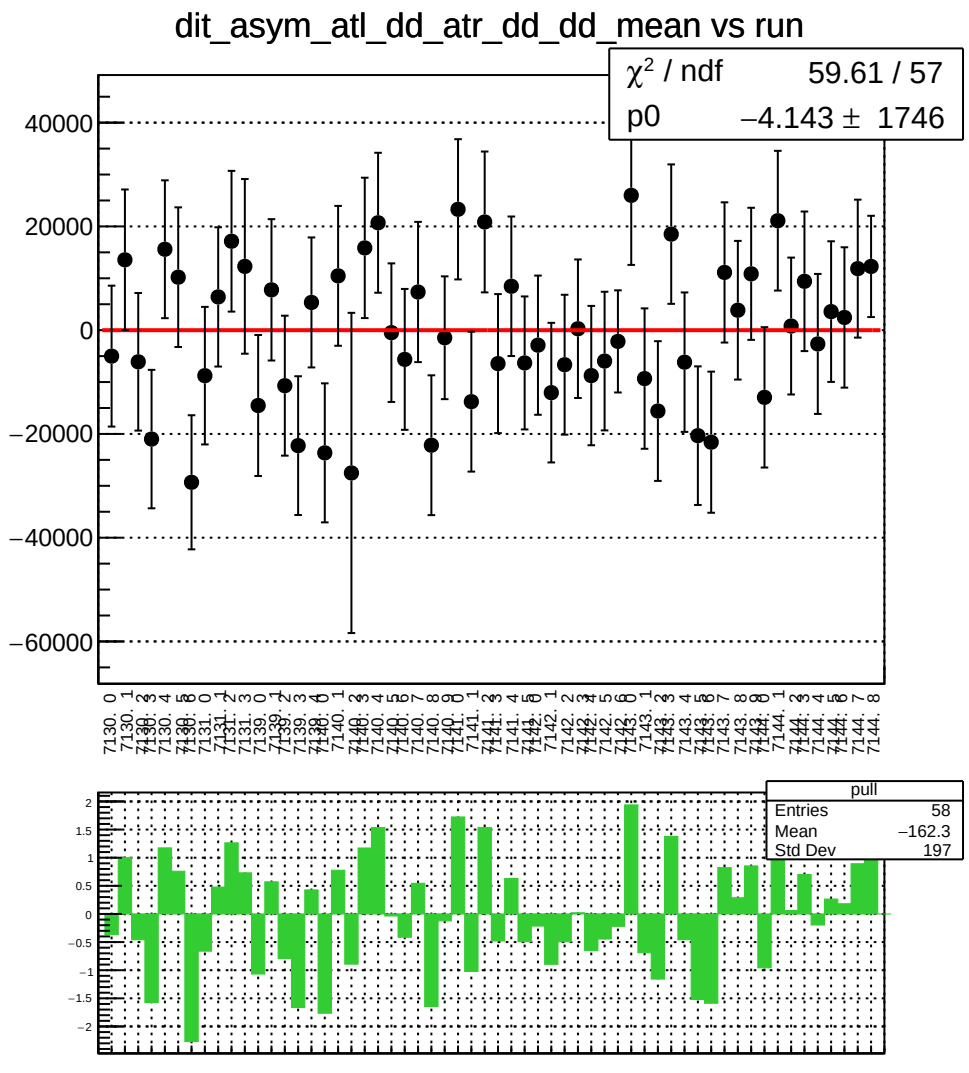

pull1D
Entries 58
Mean 0.0123
Std Dev 1.052

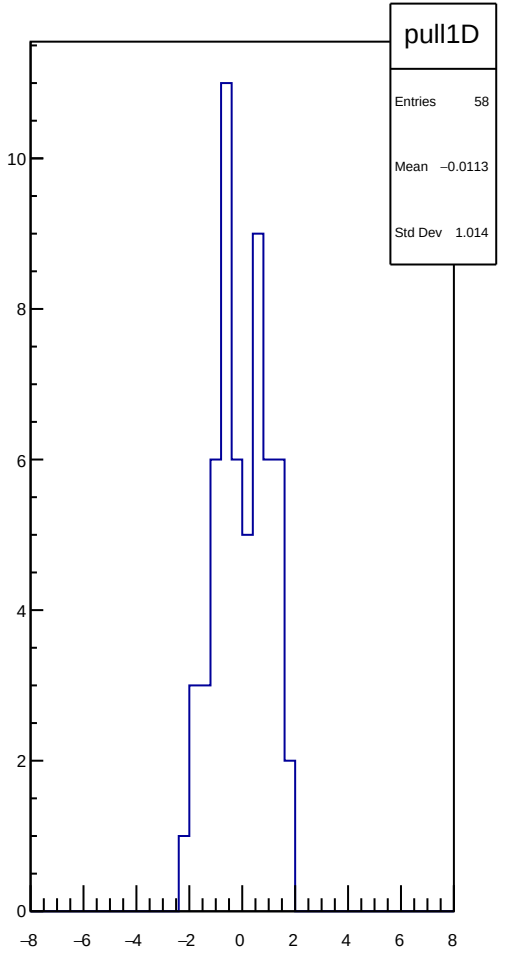

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5490 / 57
p0 4272 ± 4.069
5200
5000
4800
4600
4400
4200
4000
3800

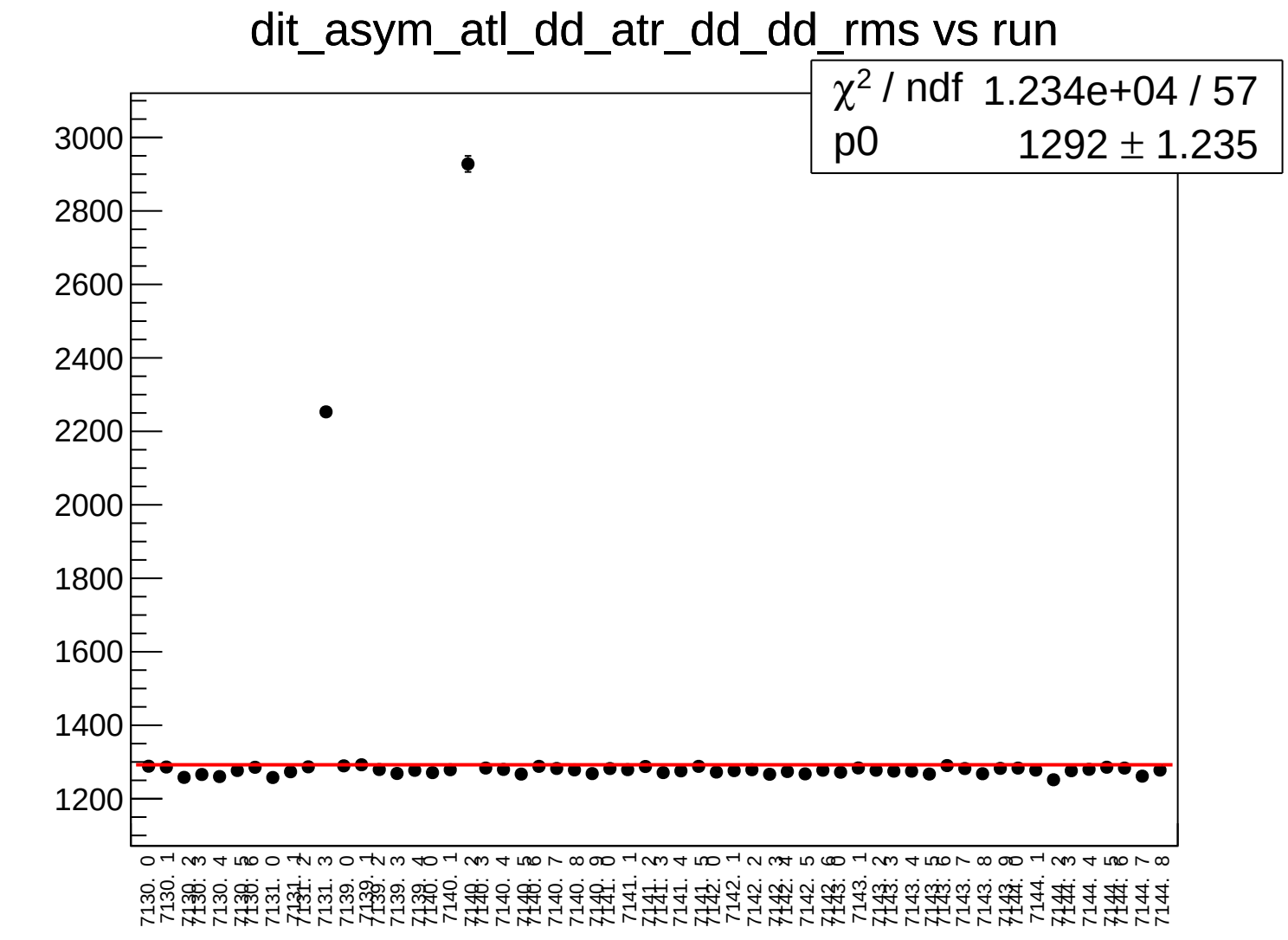

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 65.27 / 57
p0 −907.2 ± 5997
150
100
50
0
−50
−100
−150
−200
pull
Entries 58
Mean −266.6
Std Dev 297.3
2
1
0
−1
−2

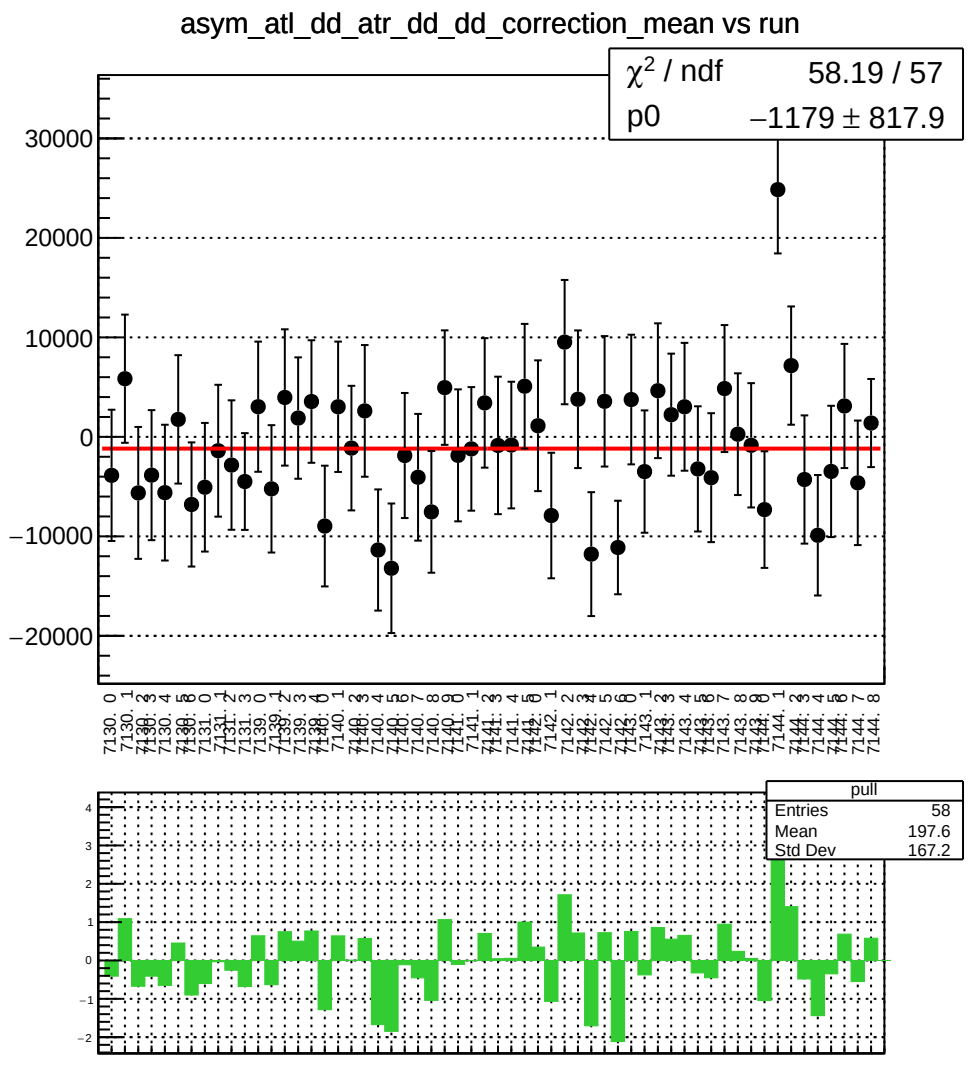

pull1D
Entries 58
Mean −0.01994
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

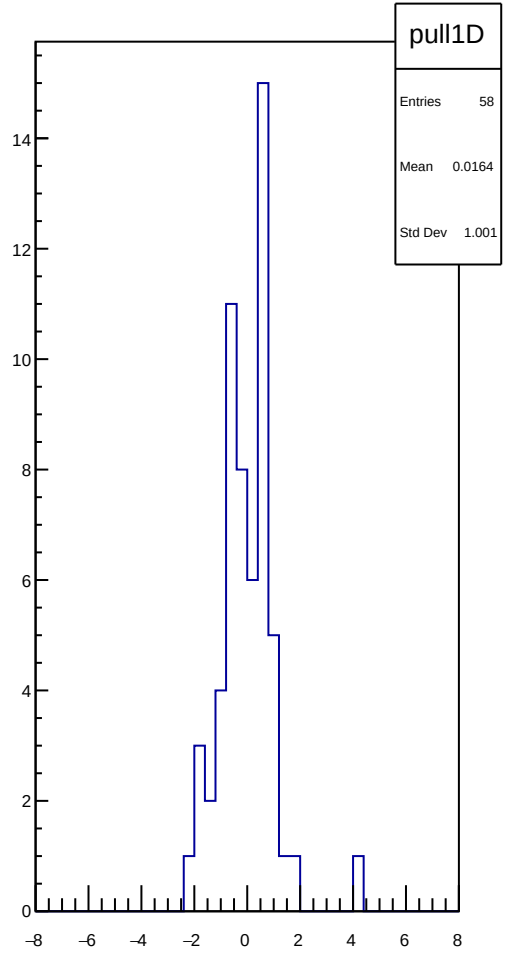

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5554 / 57
p0 4452 ± 4.241
5400
5200
5000
4800
4600
4400
4200
4000

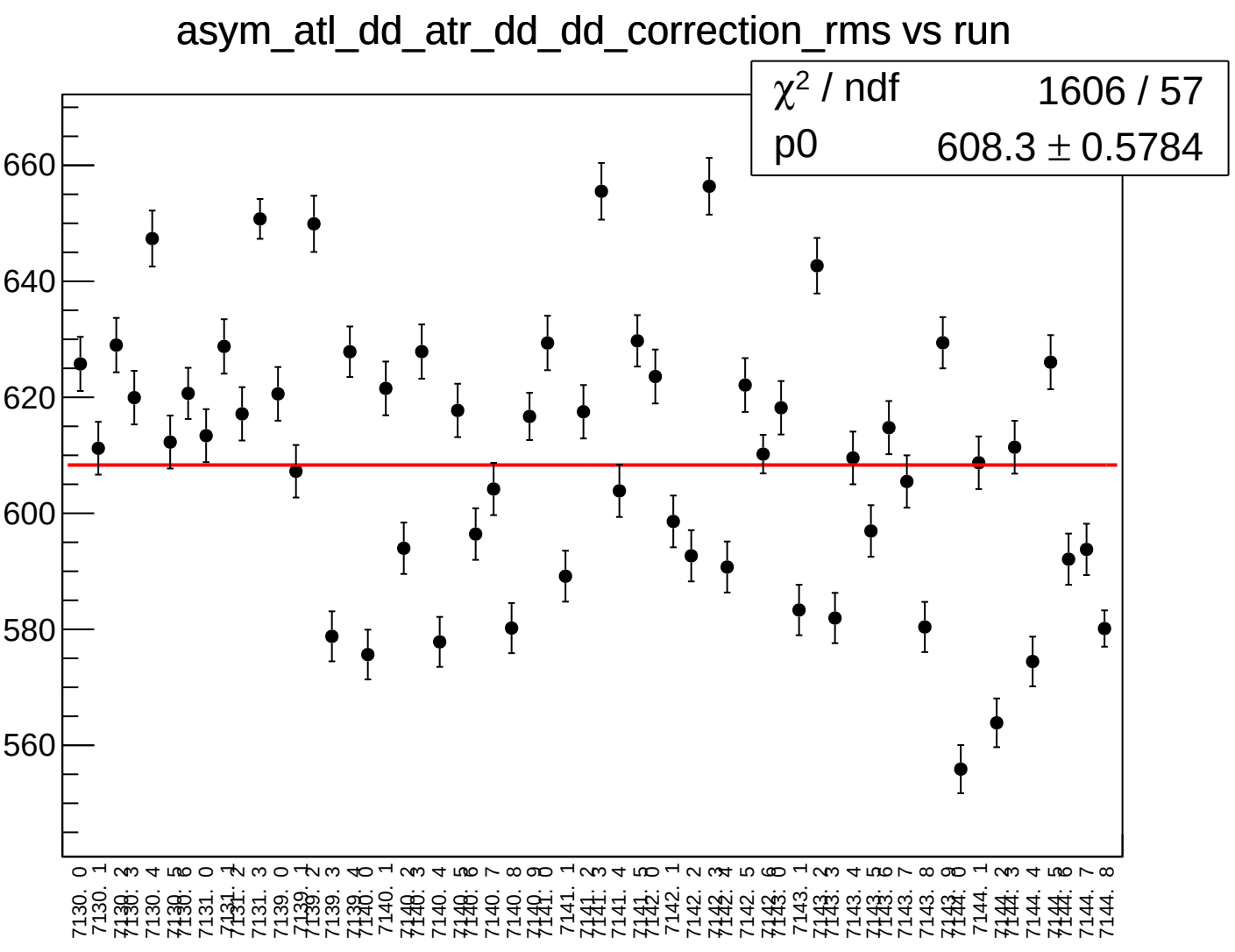

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 59.61 / 57
p0 −4.143 ± 1746
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean −162.3
Std Dev 197
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

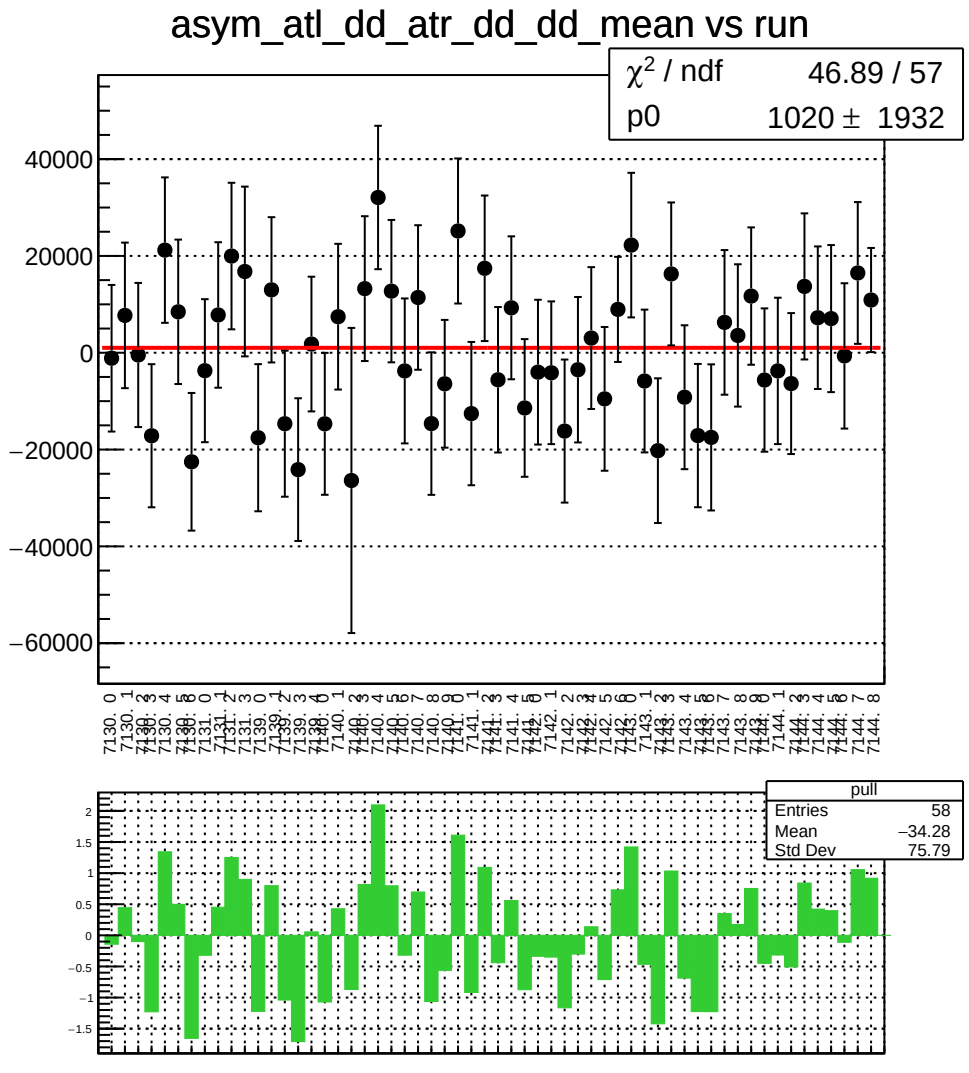

pull1D
Entries 58
Mean −0.0113
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

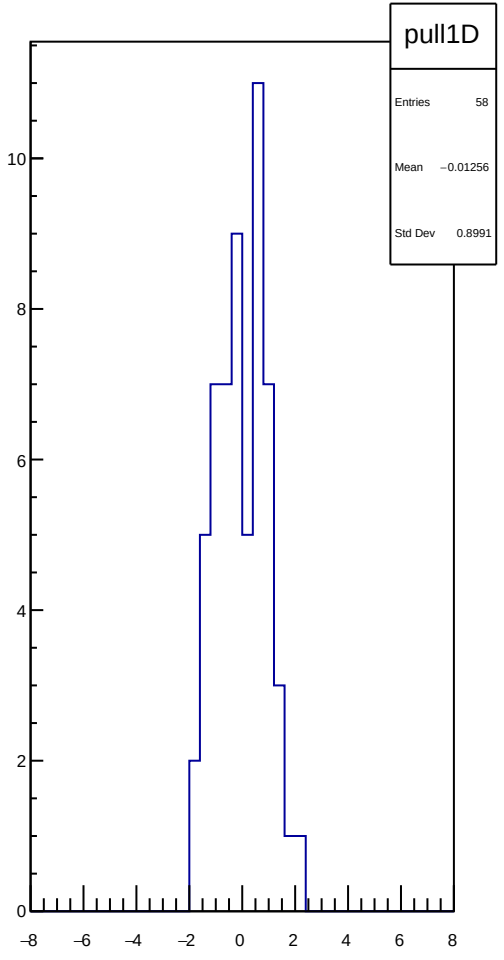

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.234e+04 / 57
p0 1292 ± 1.235
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

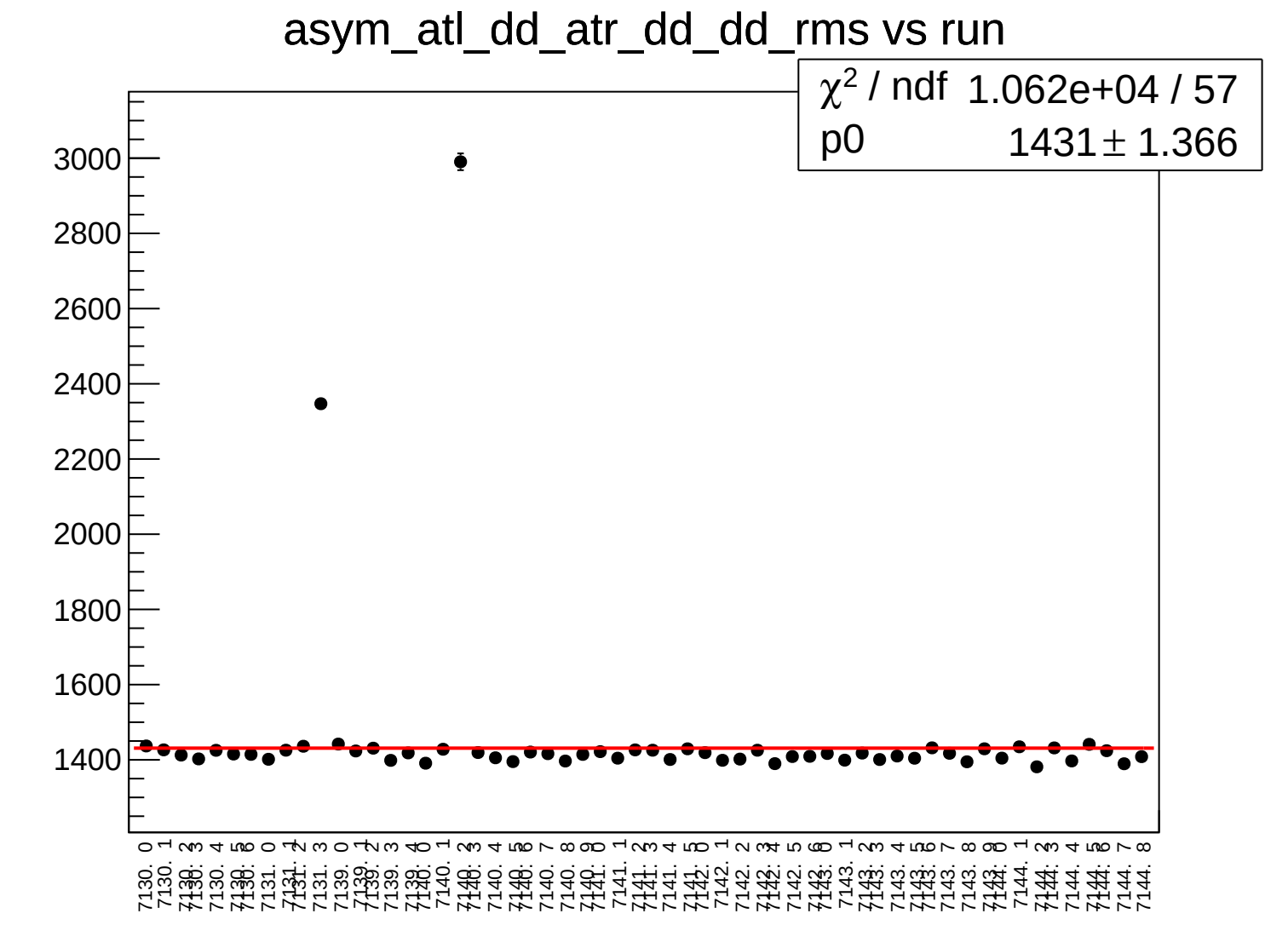

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 58.19 / 57
p0 −1179 ± 817.9
30000
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 197.6
Std Dev 167.2
4
3
2
1
0
−1
−2

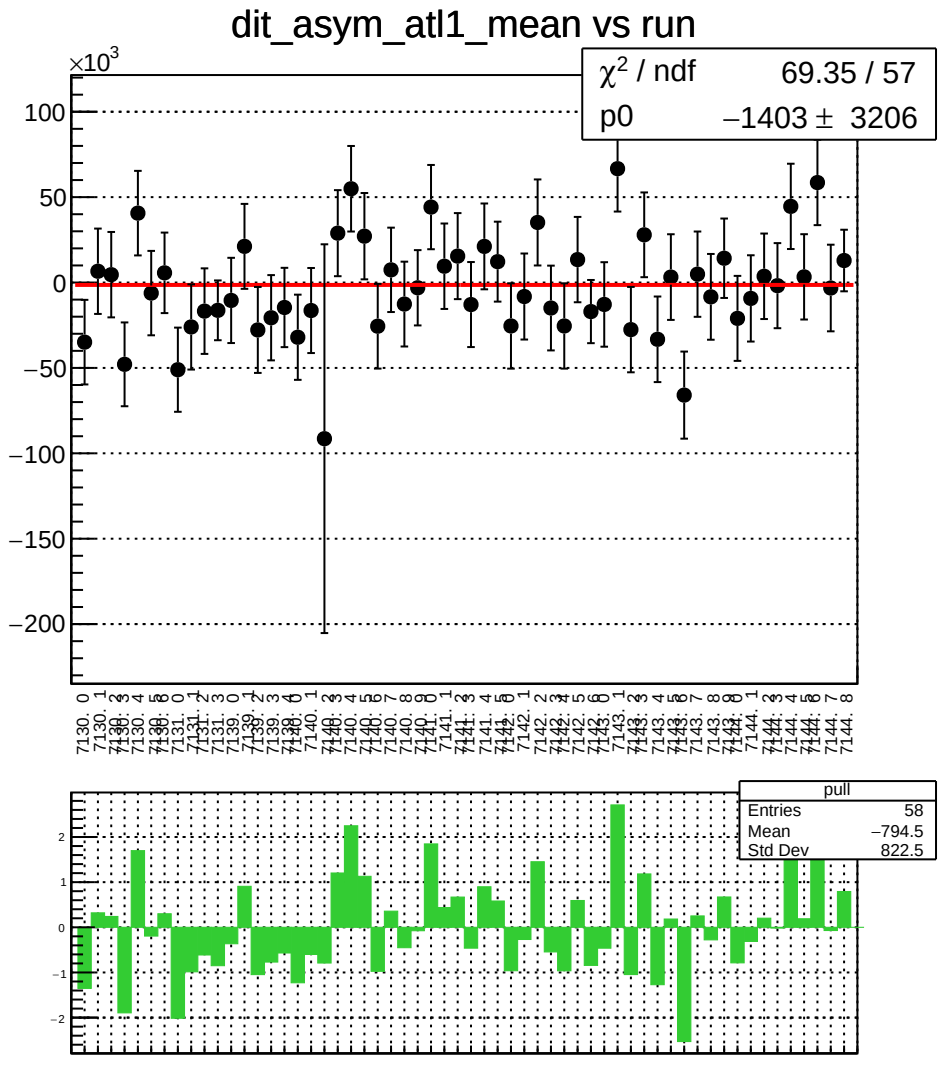

pull1D
Entries 58
Mean 0.0164
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

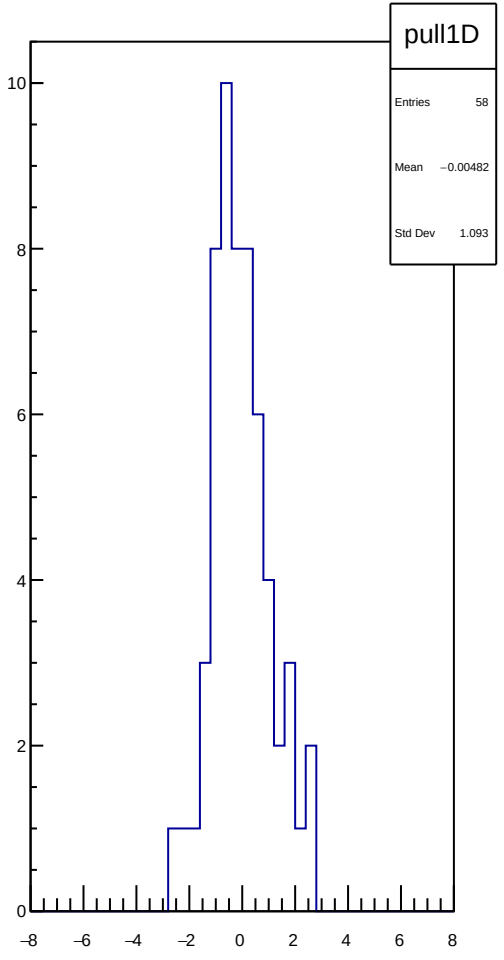

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1606 / 57
p0 608.3 ± 0.5784
660
640
620
600
580
560

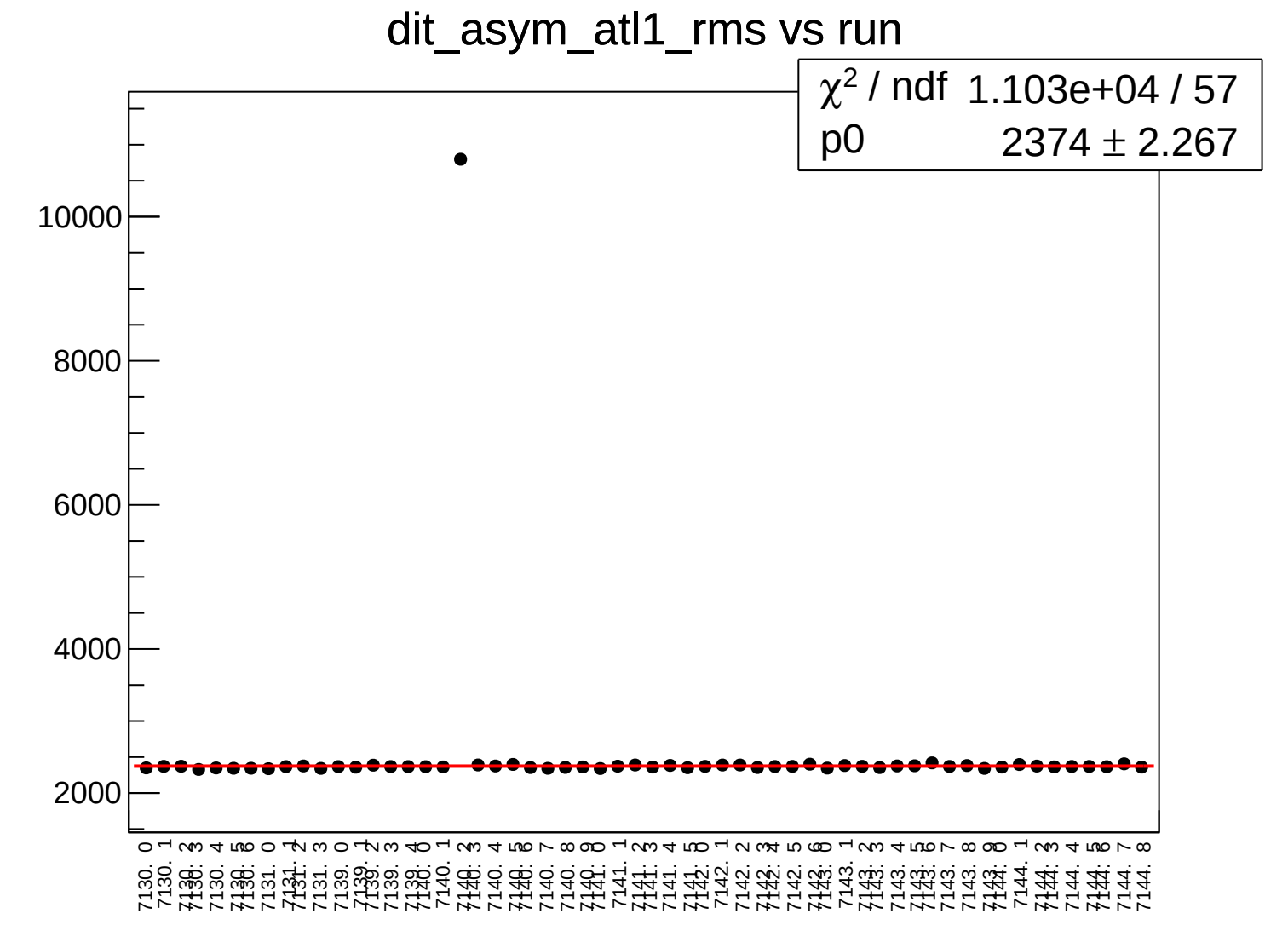

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46.89 / 57
p0 1020 ± 1932
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean −34.28
Std Dev 75.79
2
1.5
1
0.5
0
−0.5
−1
−1.5

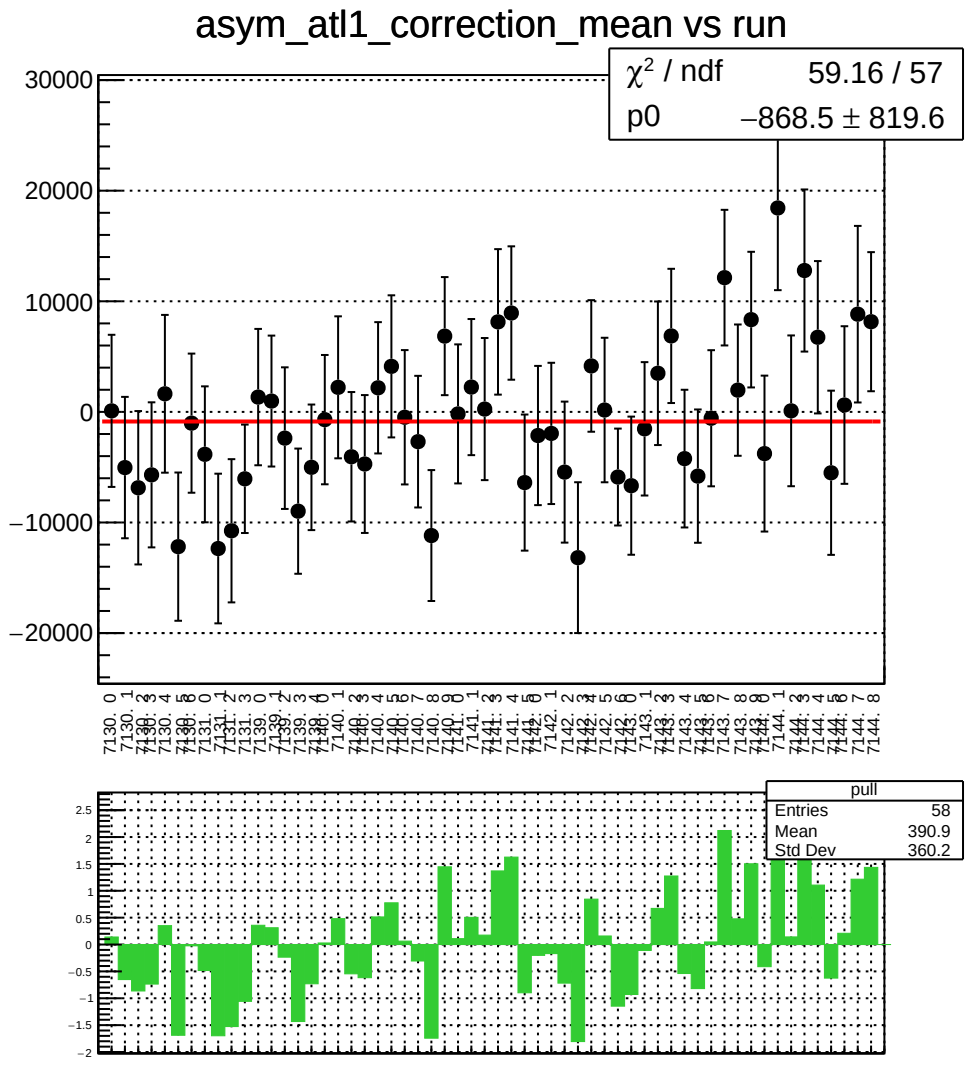

pull1D
Entries 58
Mean −0.01256
Std Dev 0.8991
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

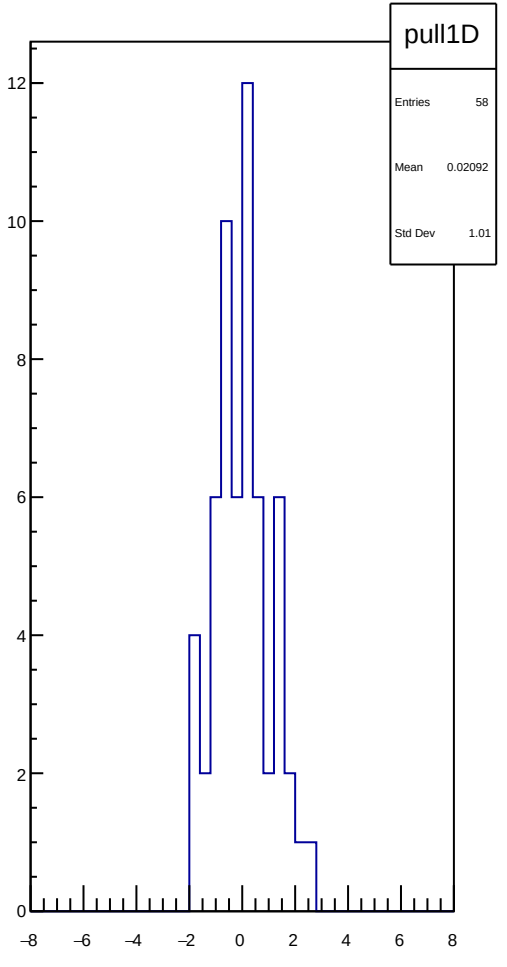

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.062e+04 / 57
p0 1431 ± 1.366
3000
2800
2600
2400
2200
2000
1800
1600
1400

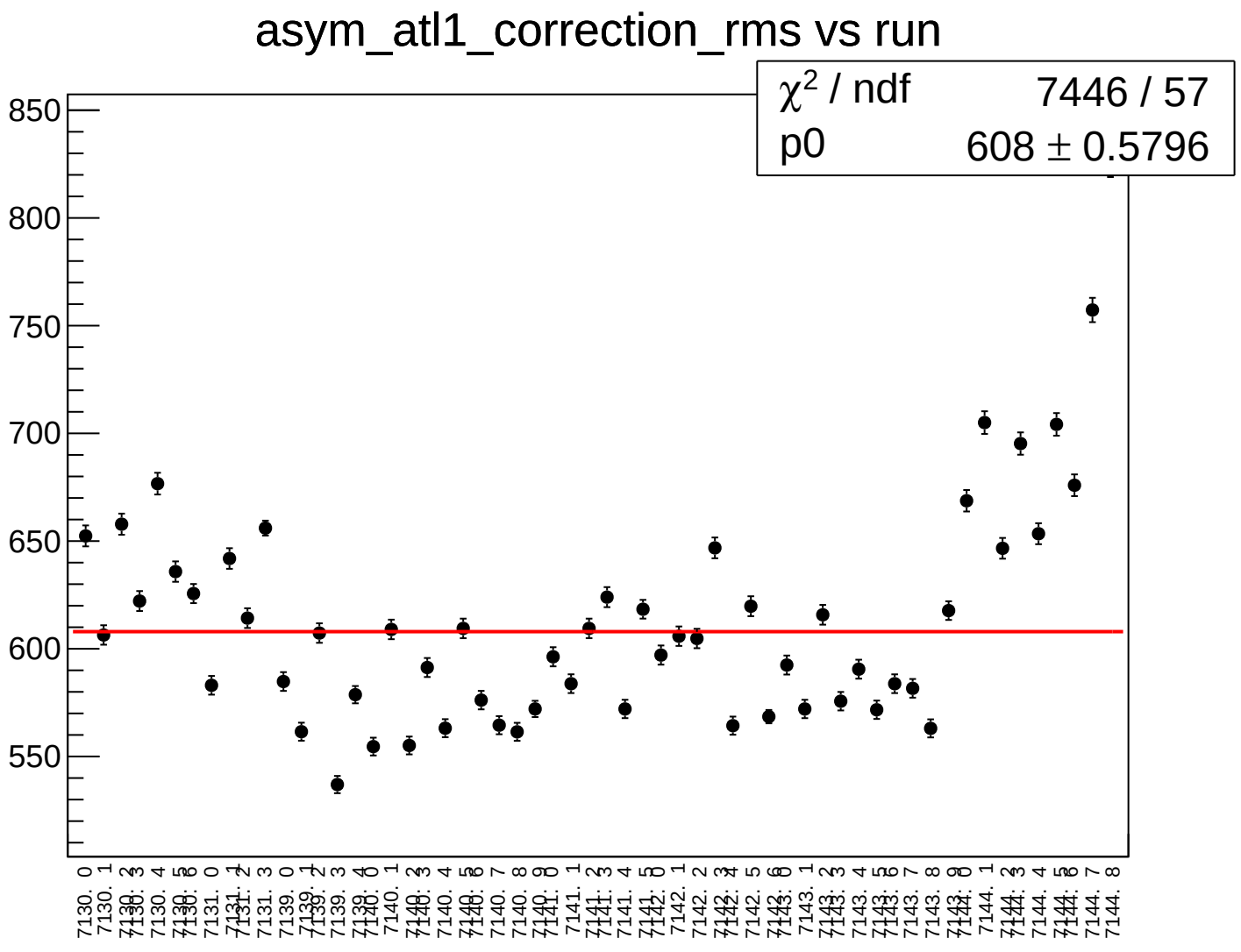

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 69.35 / 57
p0 −1403 ± 3206
100
50
0
−50
−100
−150
−200
pull
Entries 58
Mean −794.5
Std Dev 822.5
2
1
0
−1
−2

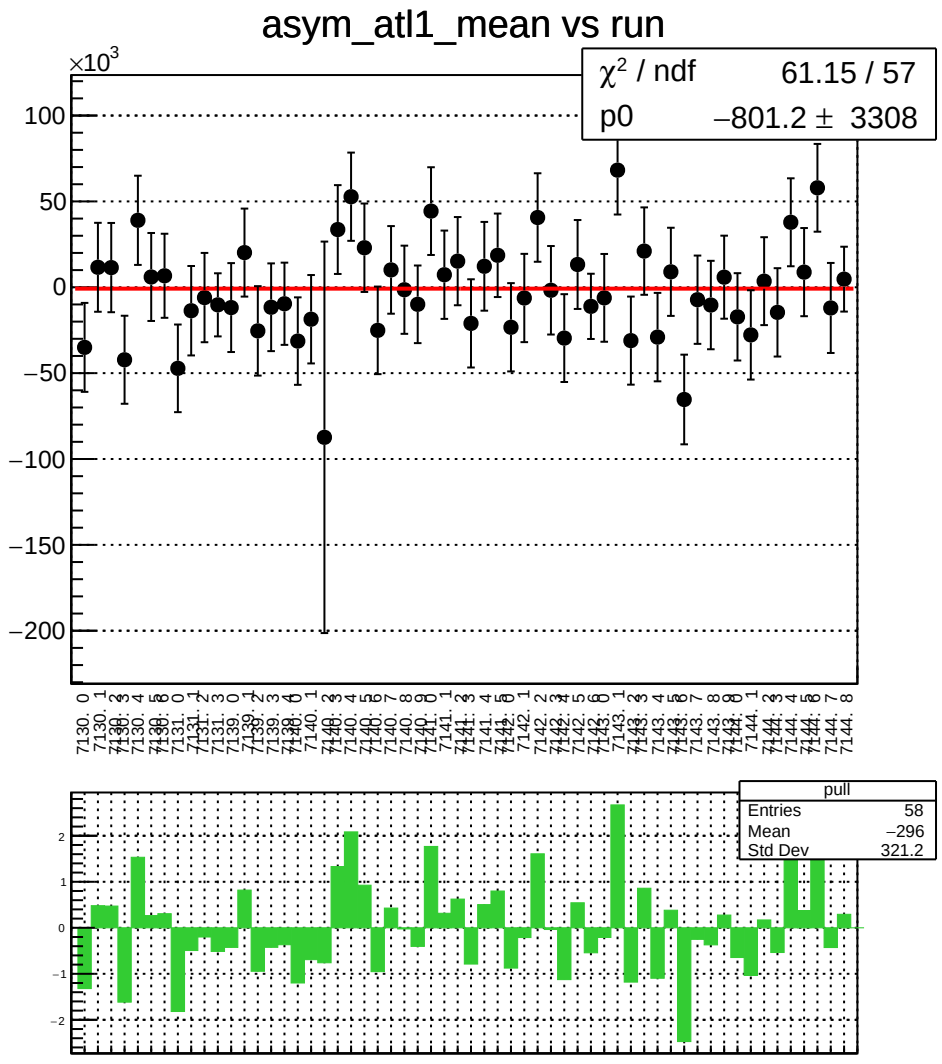

pull1D
Entries 58
Mean −0.00482
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

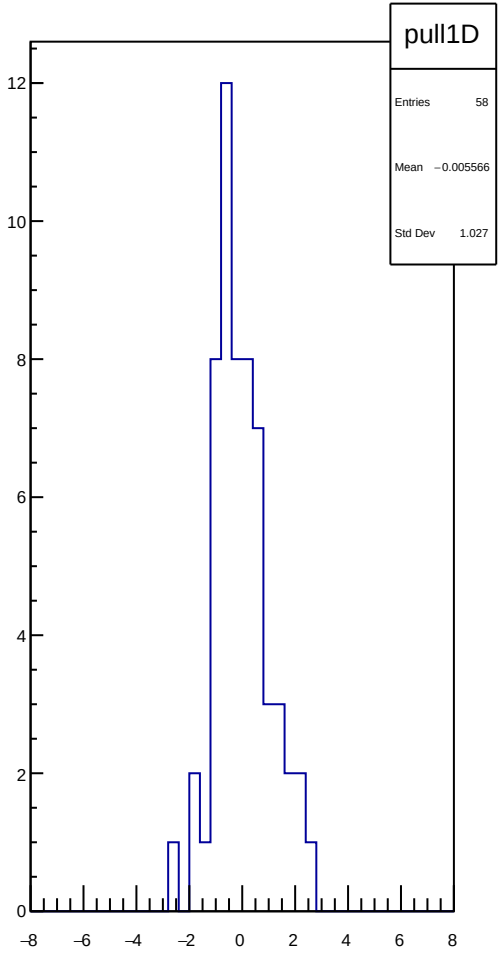

dit_asym_atl1_rms vs run
χ² / ndf 1.103e+04 / 57
p0 2374 ± 2.267
10000
8000
6000
4000
2000
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 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

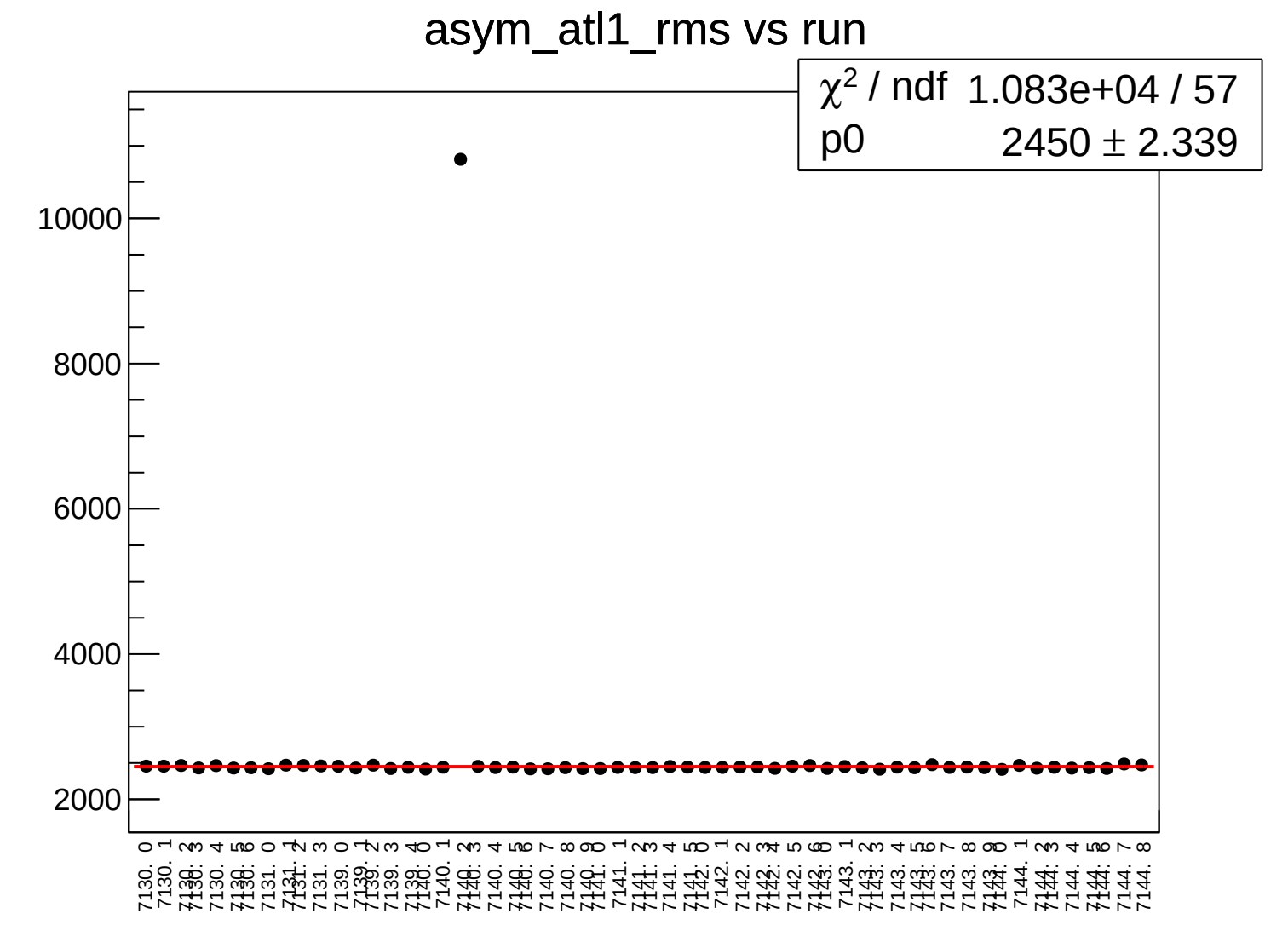

asym_atl1_correction_mean vs run
χ² / ndf 59.16 / 57
p0 −868.5 ± 819.6
30000
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 390.9
Std Dev 360.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

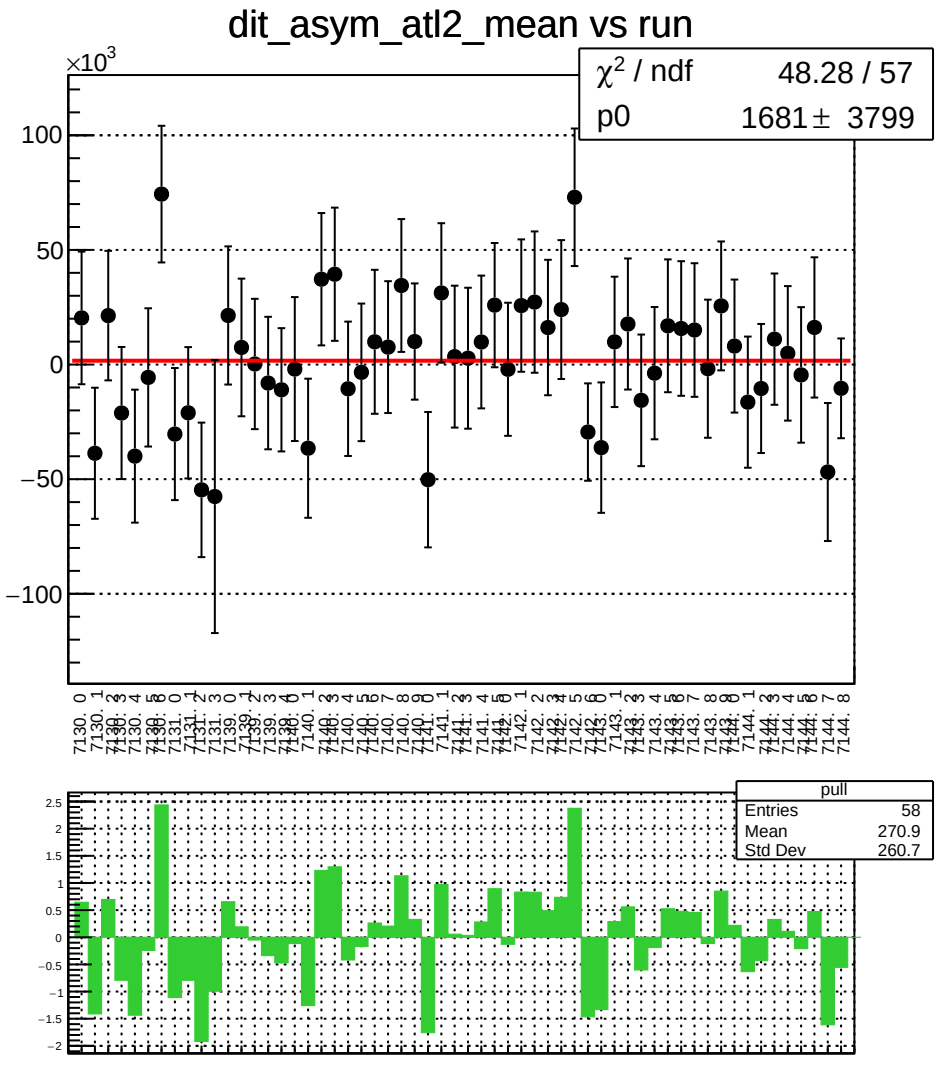

pull1D
Entries 58
Mean 0.02092
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

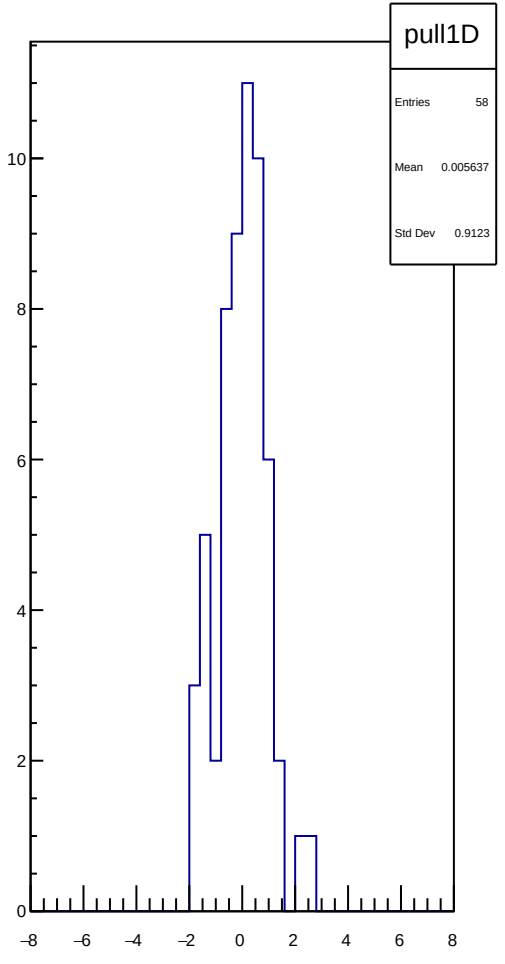

asym_atl1_correction_rms vs run
χ² / ndf 7446 / 57
p0 608 ± 0.5796
850
800
750
700
650
600
550

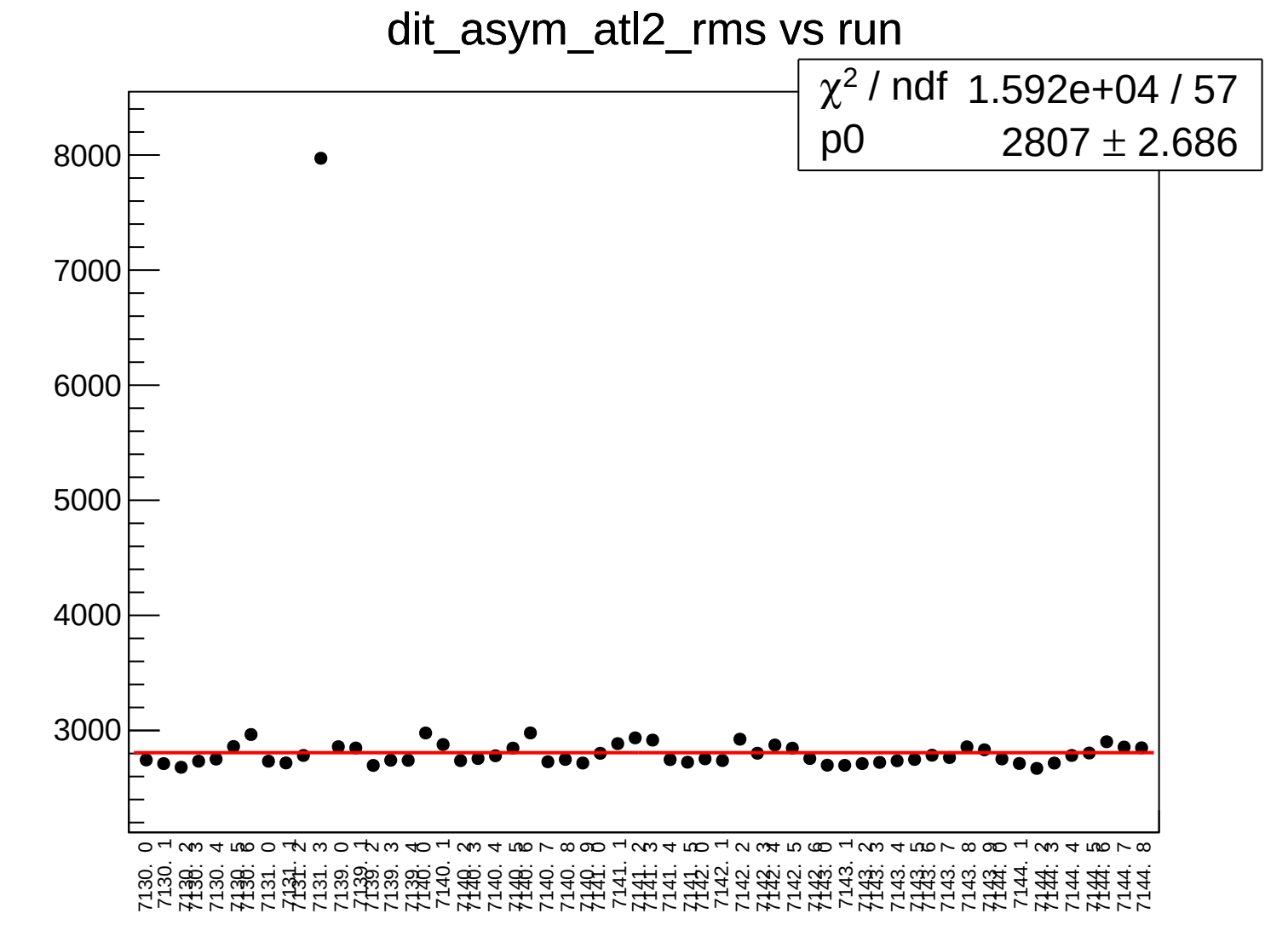

asym_atl1_mean vs run
×10^3
χ² / ndf 61.15 / 57
p0 −801.2 ± 3308
100
50
0
−50
−100
−150
−200
pull
Entries 58
Mean −296
Std Dev 321.2
2
1
0
−1
−2

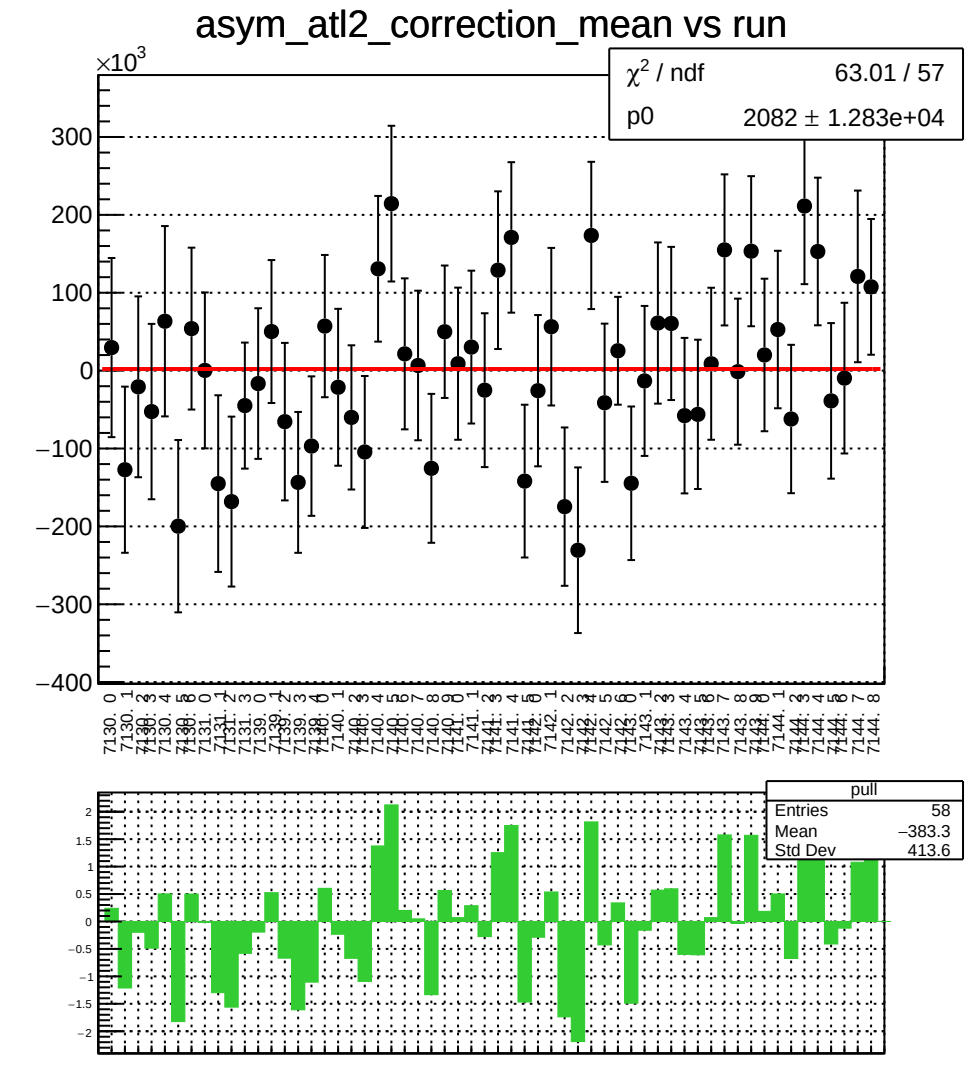

pull1D
Entries 58
Mean −0.005566
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

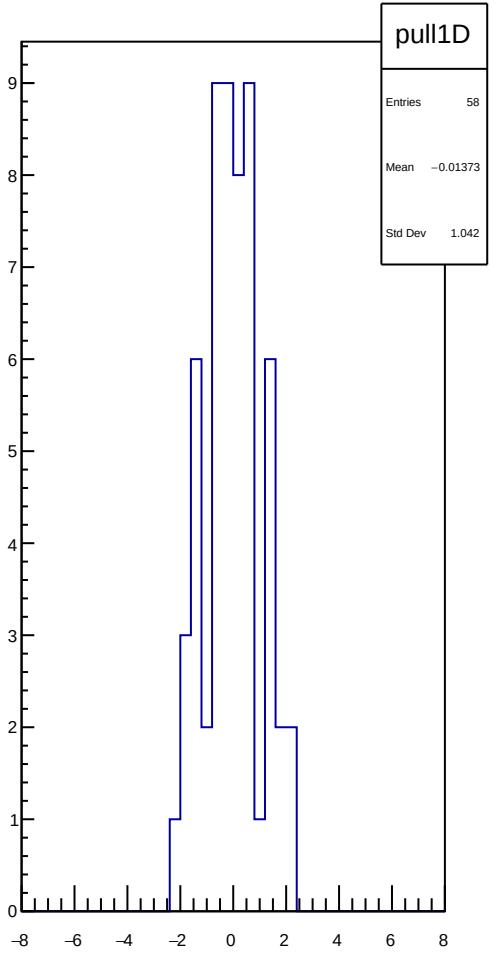

asym_atl1_rms vs run
χ^2 / ndf 1.083e+04 / 57
p0 2450 ± 2.339
10000
8000
6000
4000
2000
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 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

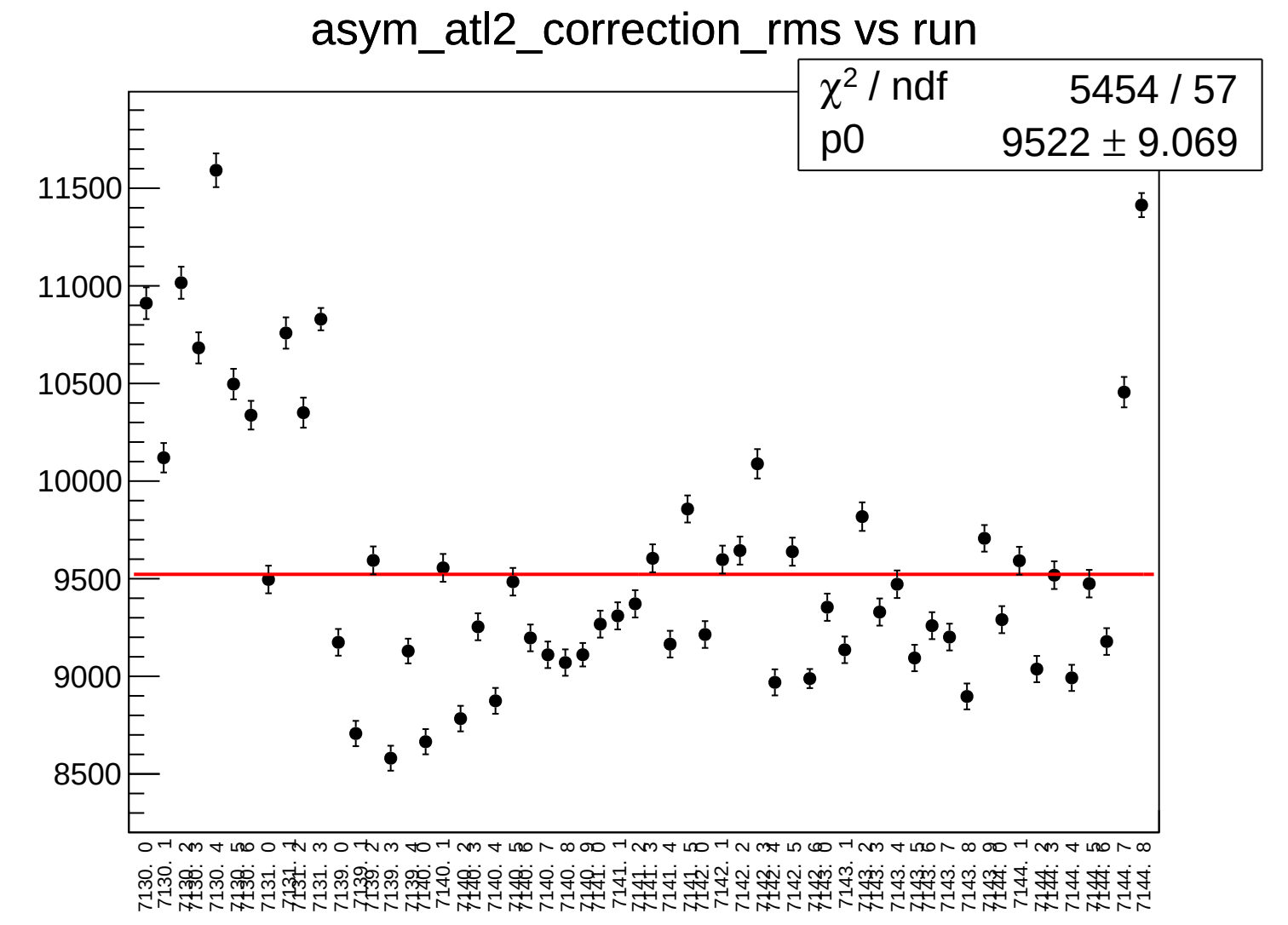

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 48.28 / 57
p0 1681 ± 3799
100
50
0
−50
−100
pull
Entries 58
Mean 270.9
Std Dev 260.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

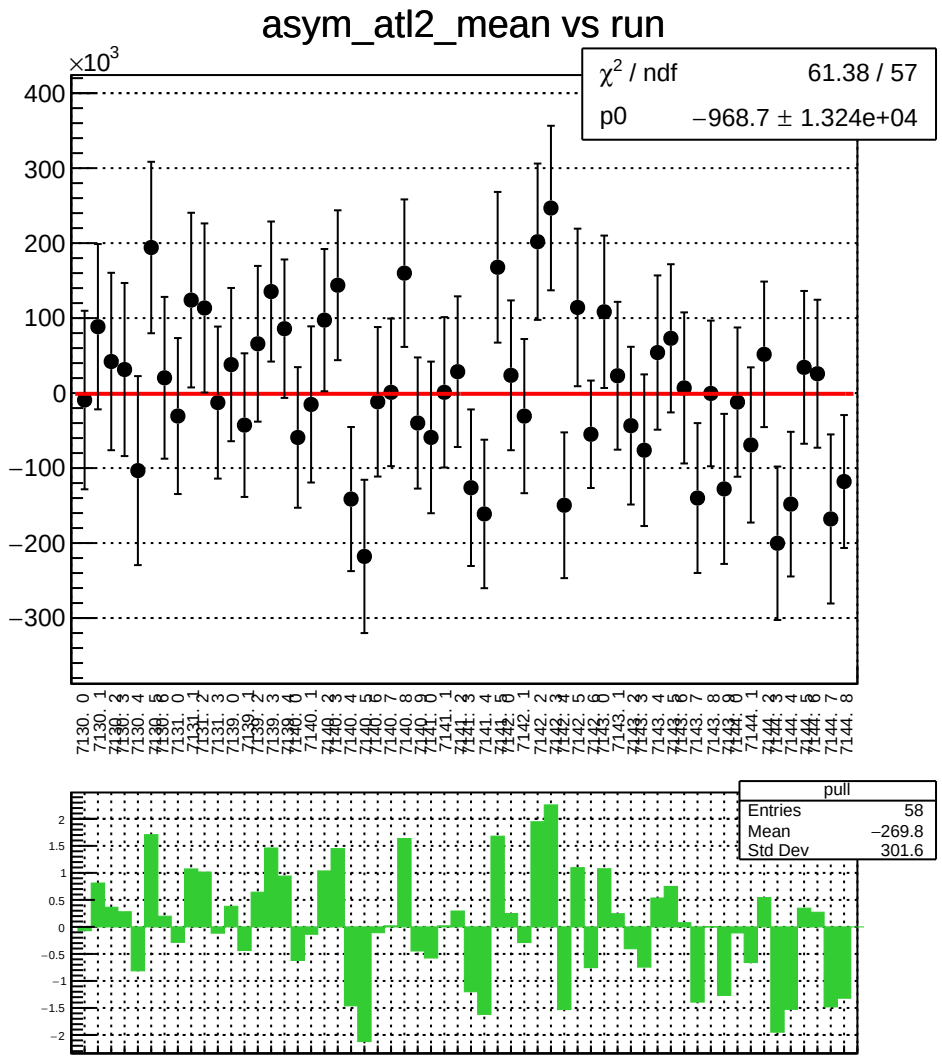

pull1D
Entries 58
Mean 0.005637
Std Dev 0.9123
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

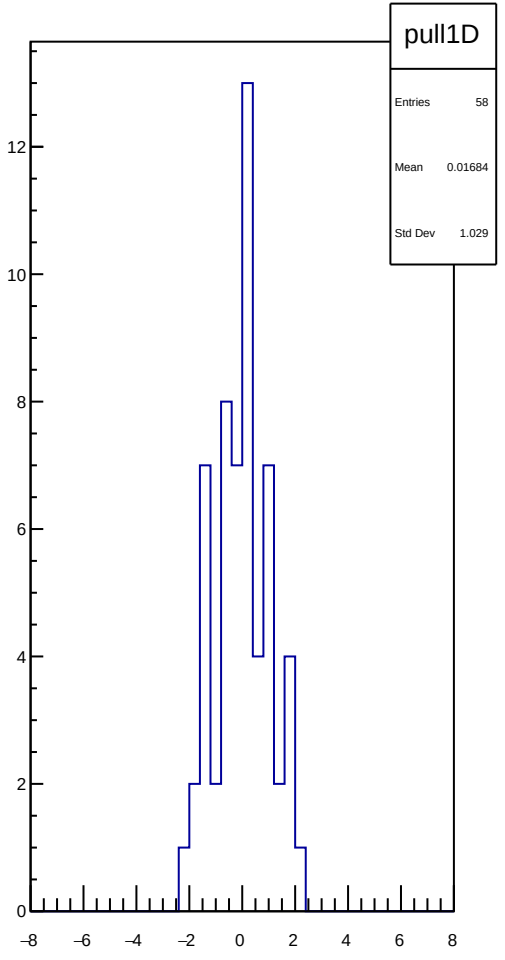

dit_asym_atl2_rms vs run
χ² / ndf 1.592e+04 / 57
p0 2807 ± 2.686
8000
7000
6000
5000
4000
3000

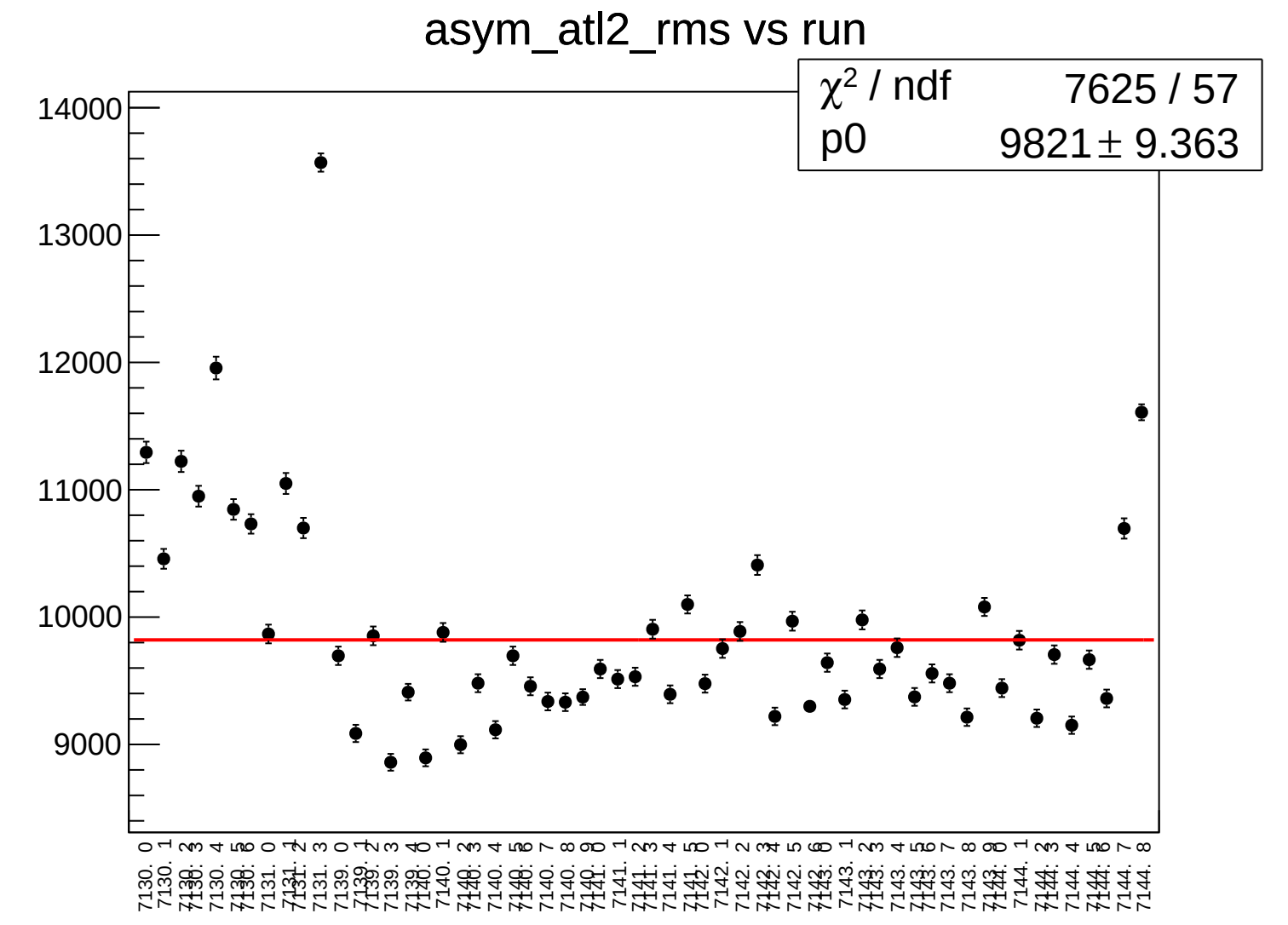

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 63.01 / 57
p0 2082 ± 1.283e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 58
Mean −383.3
Std Dev 413.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

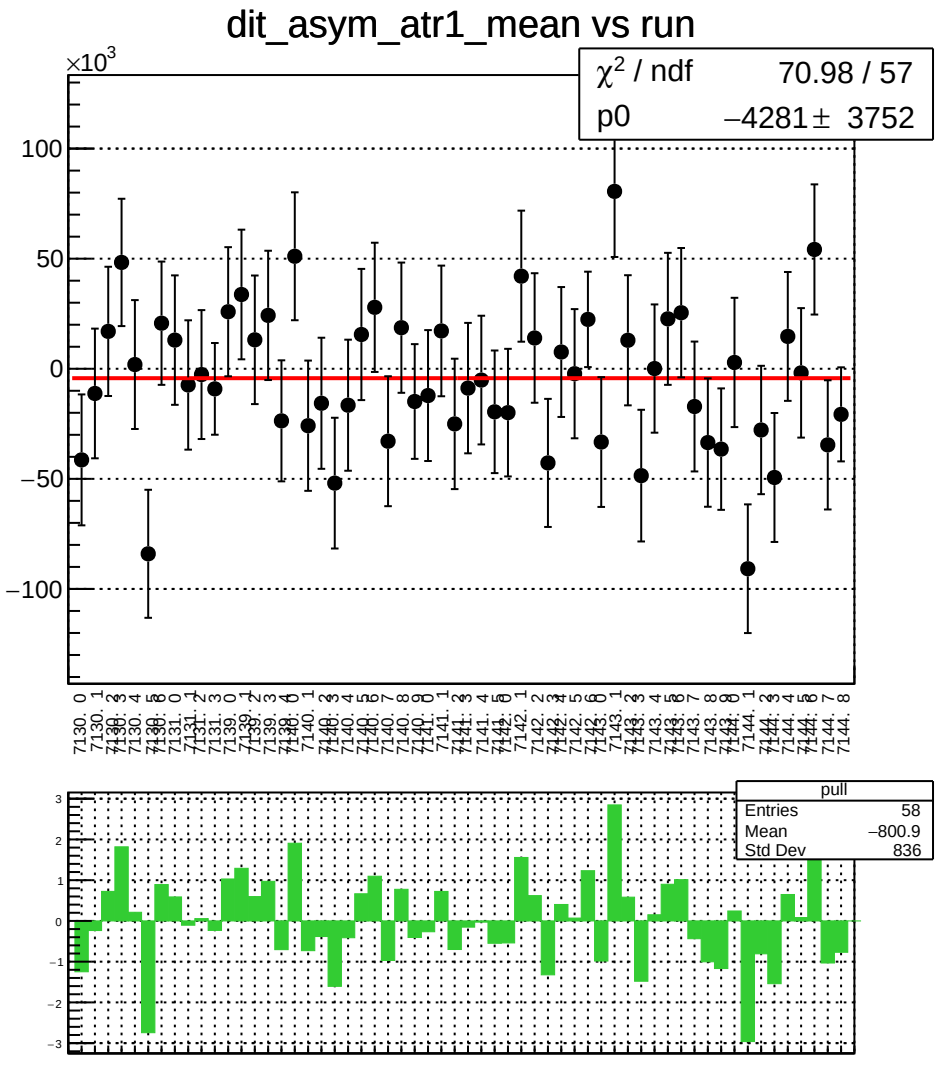

pull1D
Entries 58
Mean −0.01373
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

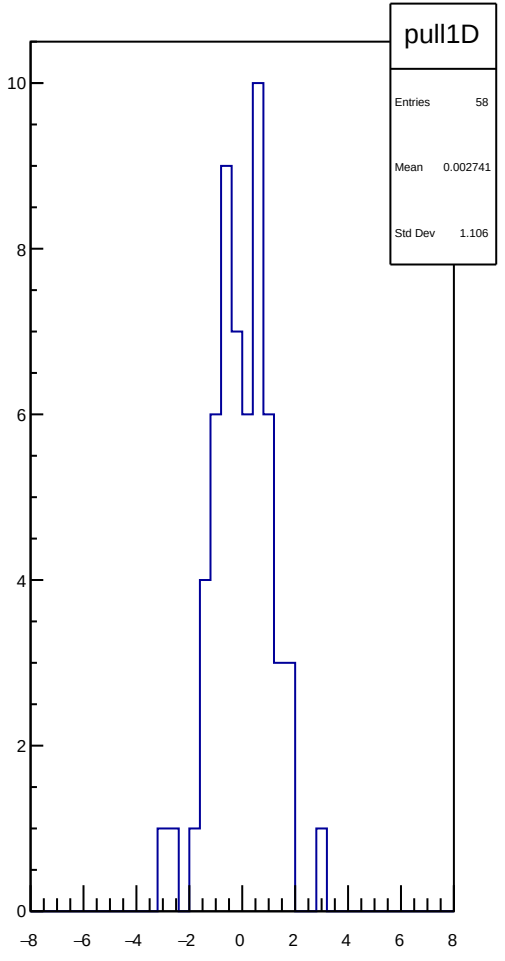

asym_atl2_correction_rms vs run
χ² / ndf 5454 / 57
p0 9522 ± 9.069
11500
11000
10500
10000
9500
9000
8500

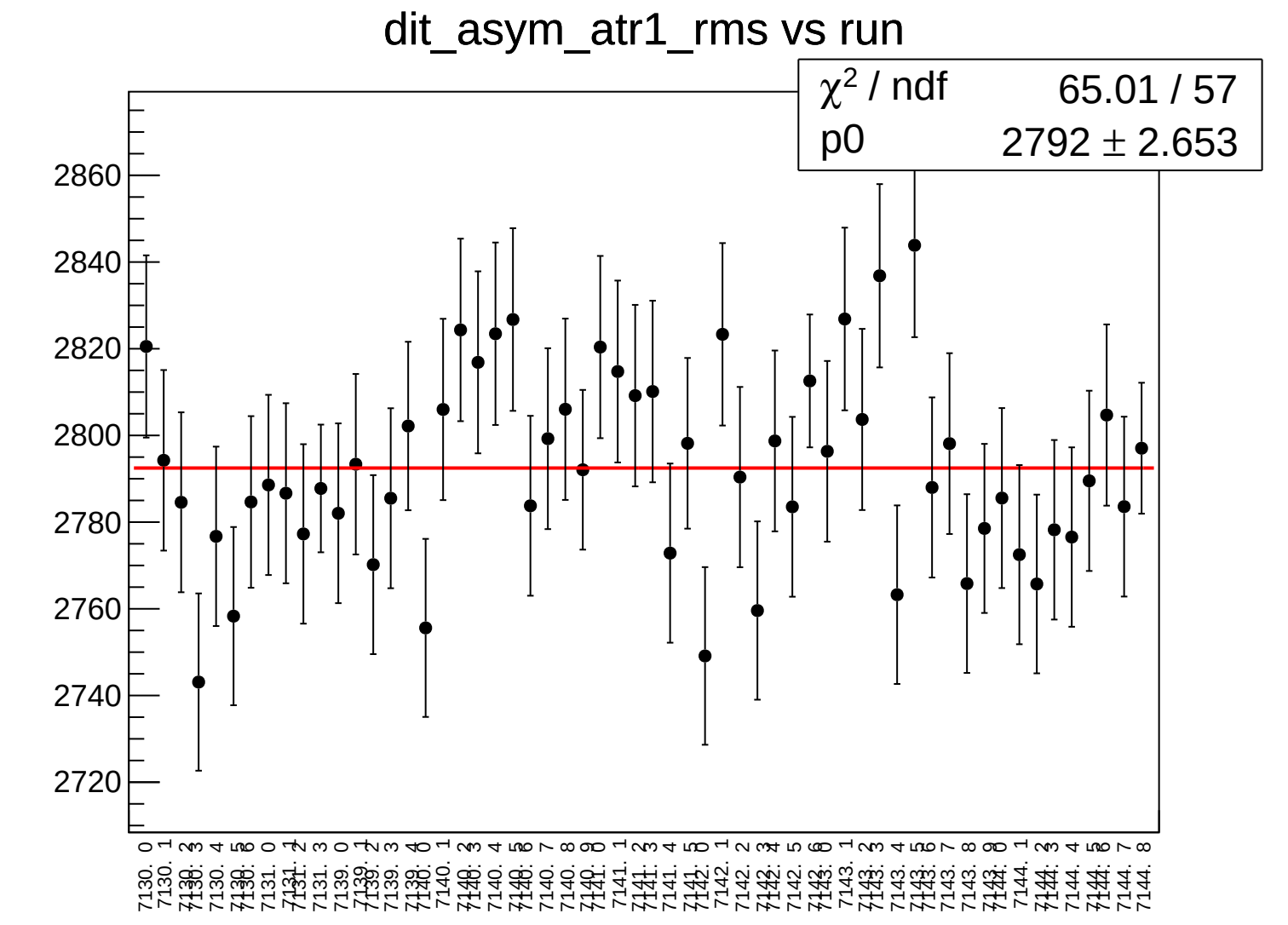

asym_atl2_mean vs run
×10^3
χ² / ndf 61.38 / 57
p0 −968.7 ± 1.324e+04
pull
Entries 58
Mean −269.8
Std Dev 301.6

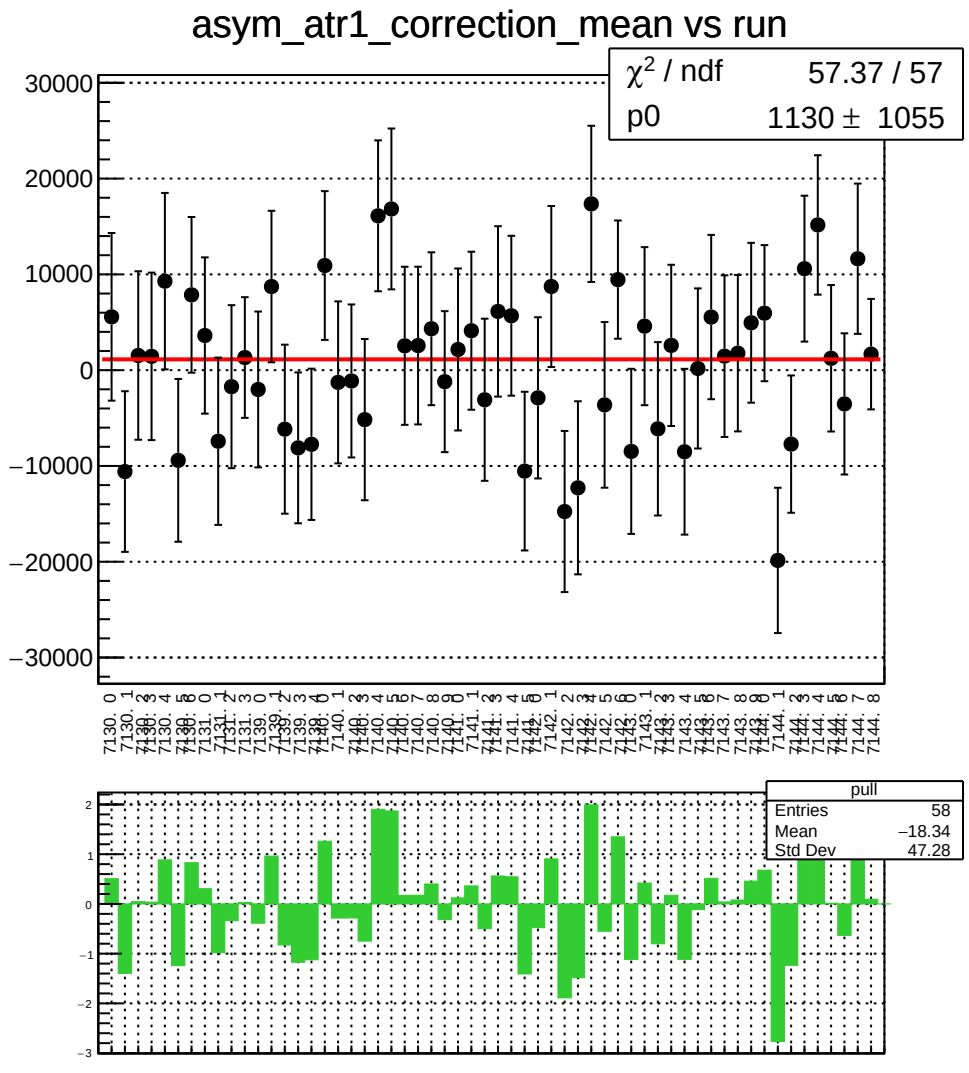

pull1D
Entries 58
Mean 0.01684
Std Dev 1.029

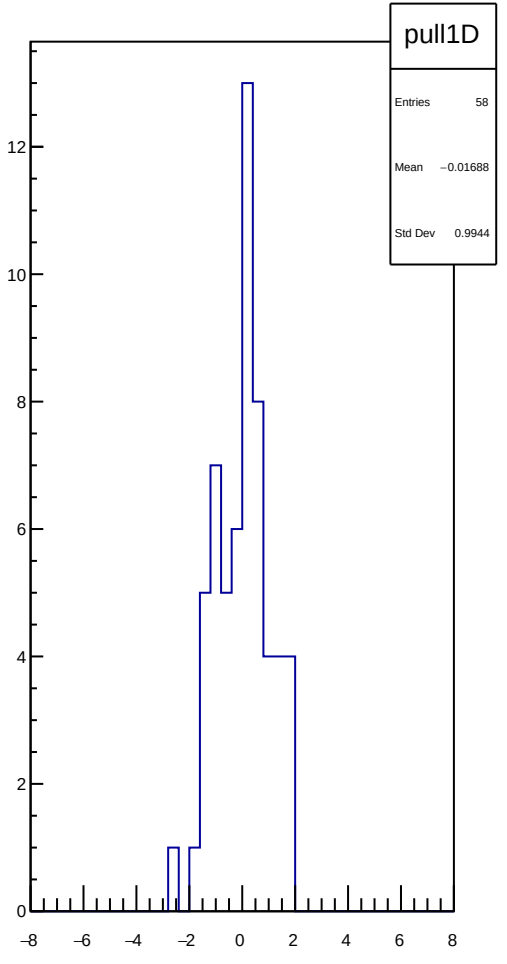

asym_atl2_rms vs run
χ^2 / ndf 7625 / 57
p0 9821 ± 9.363
14000
13000
12000
11000
10000
9000

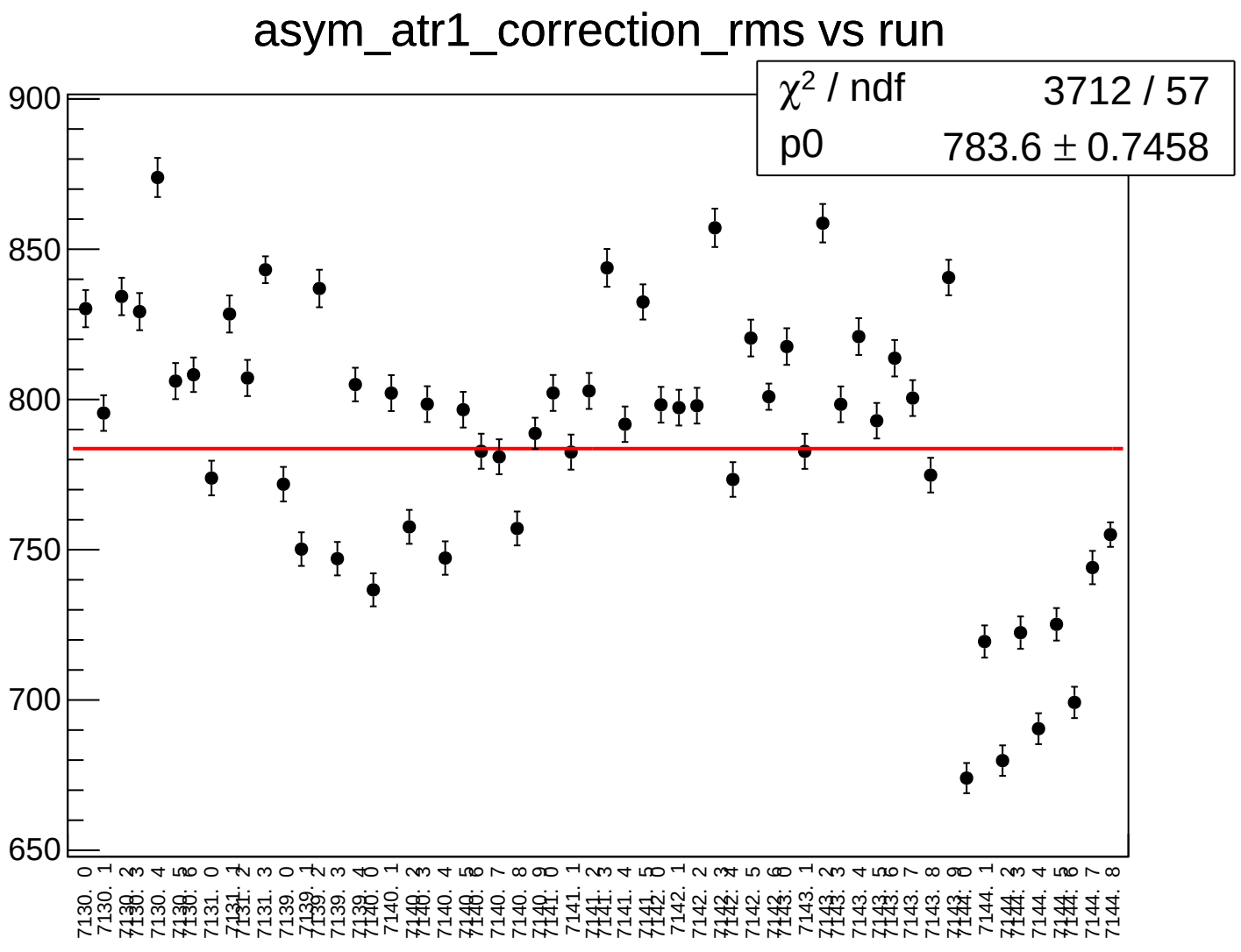

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 70.98 / 57
p0 −4281 ± 3752
100
50
0
−50
−100
pull
Entries 58
Mean −800.9
Std Dev 836
3
2
1
0
−1
−2
−3

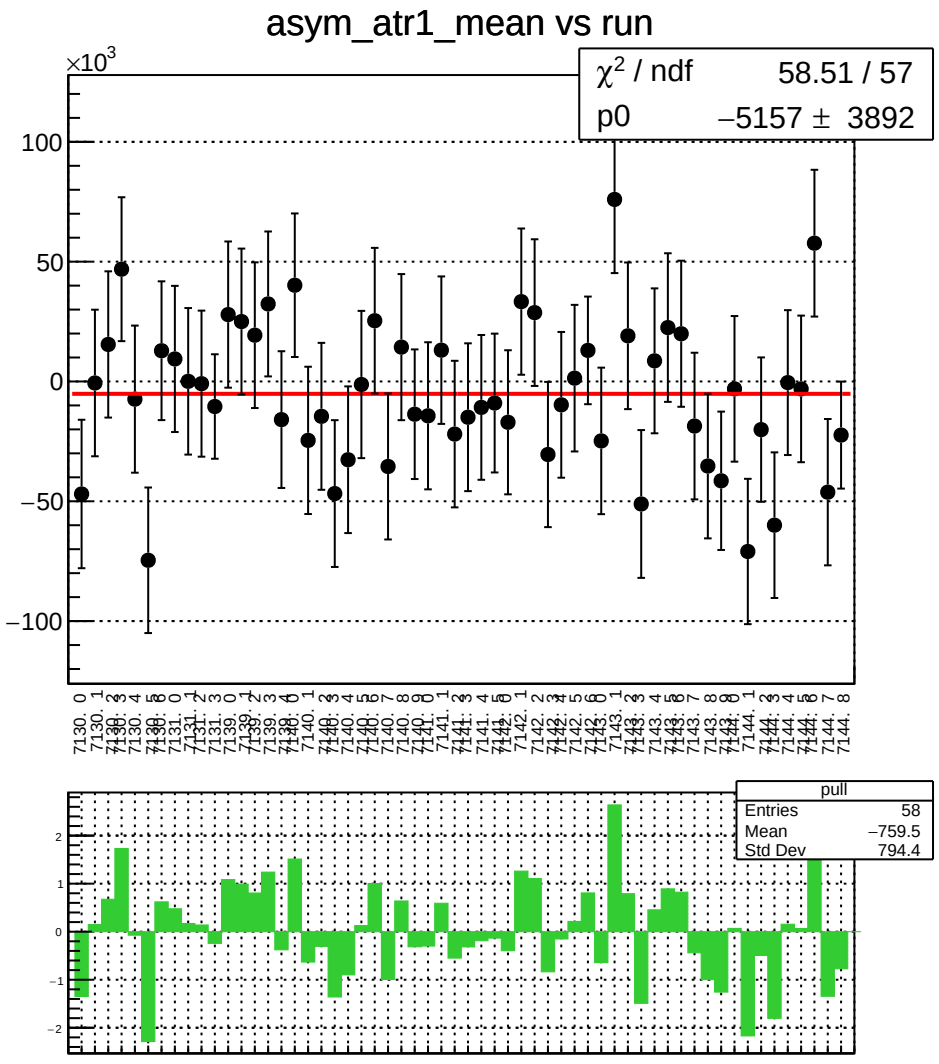

pull1D
Entries 58
Mean 0.002741
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

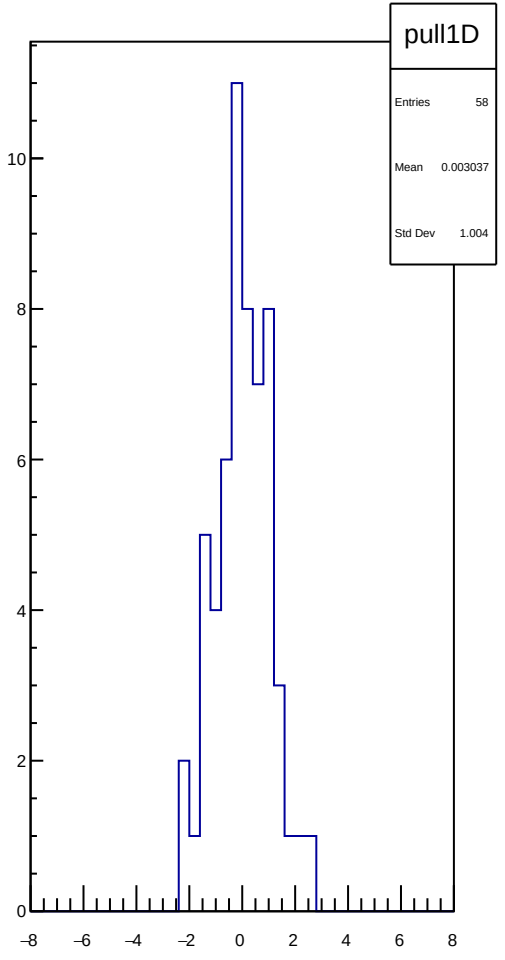

dit_asym_atr1_rms vs run
χ² / ndf 65.01 / 57
p0 2792 ± 2.653
2860
2840
2820
2800
2780
2760
2740
2720

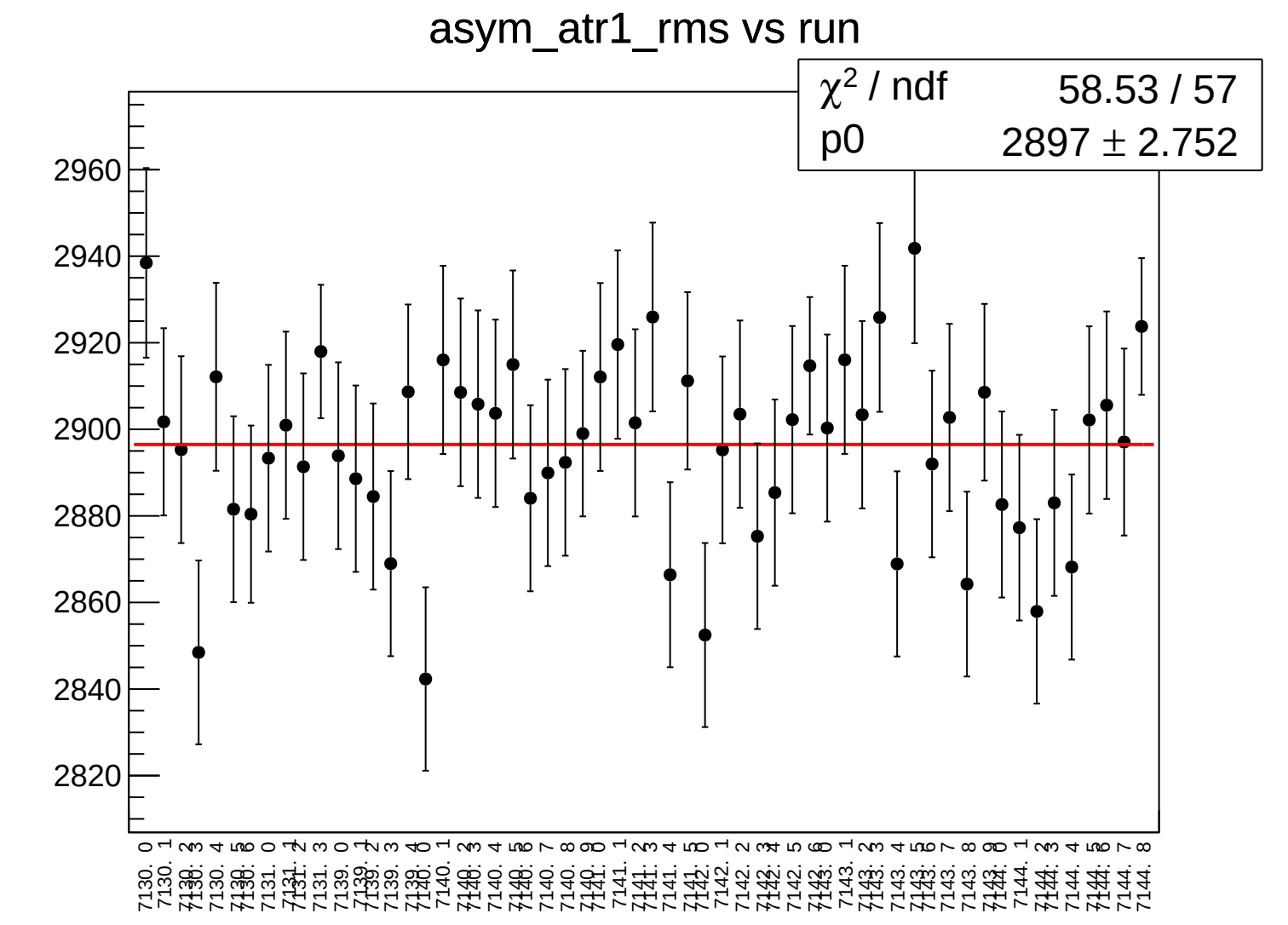

asym_atr1_correction_mean vs run
χ² / ndf 57.37 / 57
p0 1130 ± 1055
pull
Entries 58
Mean −18.34
Std Dev 47.28

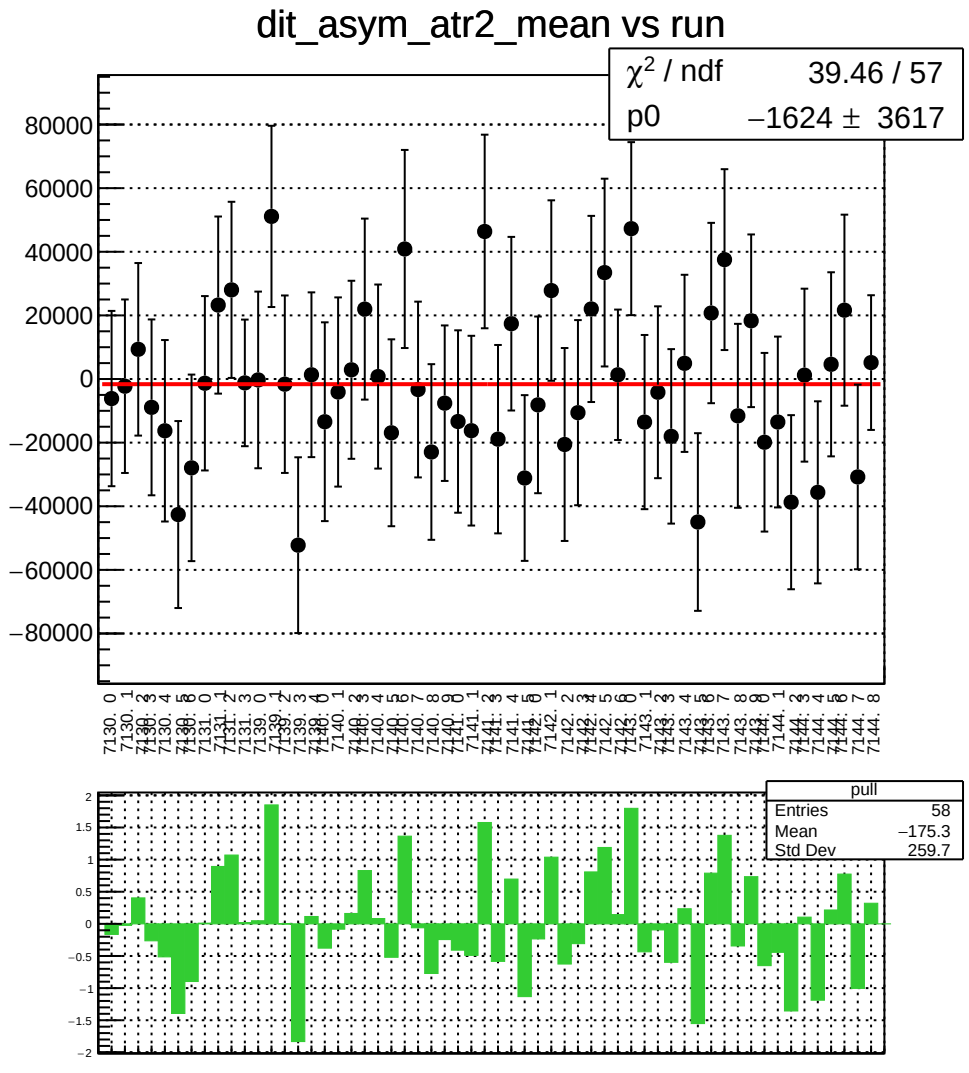

pull1D
Entries 58
Mean −0.01688
Std Dev 0.9944

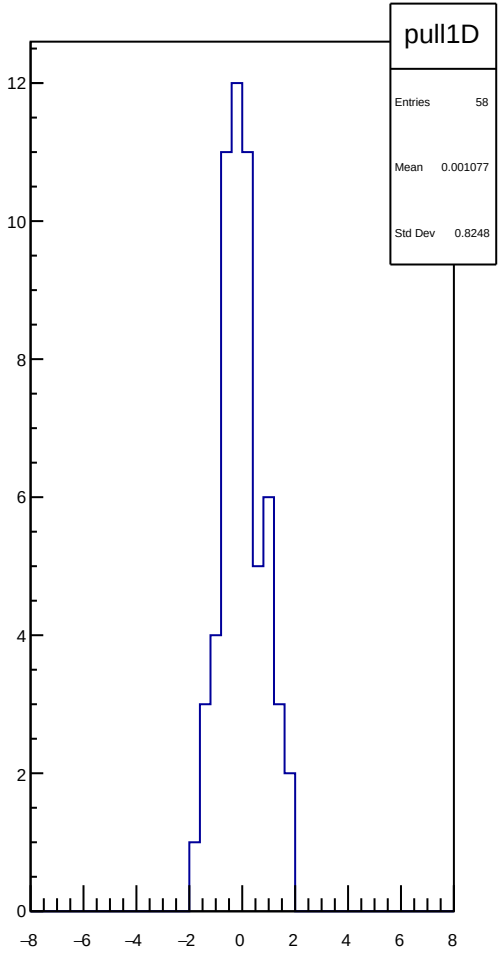

asym_atr1_correction_rms vs run
χ² / ndf 3712 / 57
p0 783.6 ± 0.7458
900
850
800
750
700
650

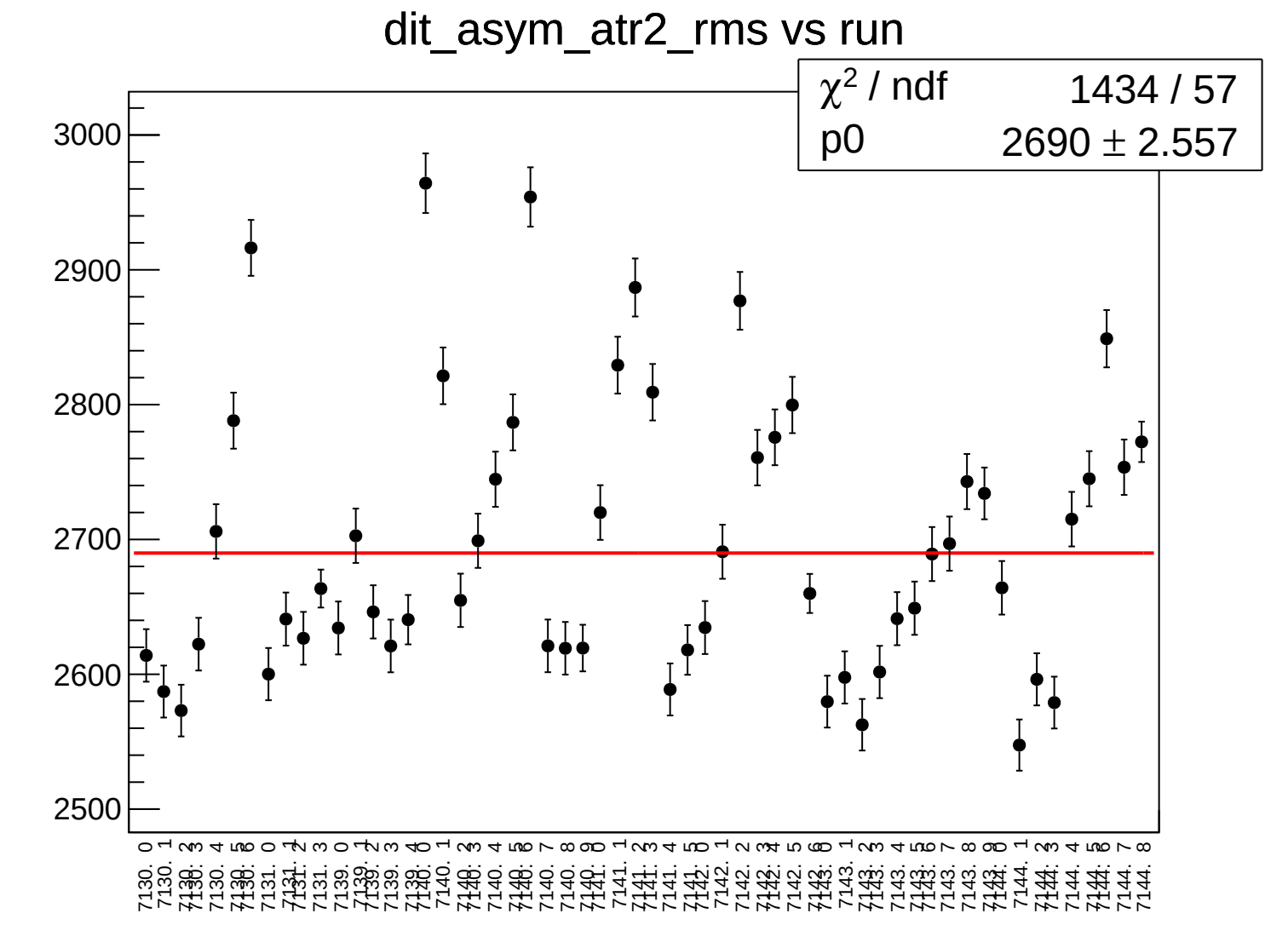

asym_atr1_mean vs run
×10^3
χ² / ndf 58.51 / 57
p0 −5157 ± 3892
100
50
0
−50
−100
pull
Entries 58
Mean −759.5
Std Dev 794.4
2
1
0
−1
−2

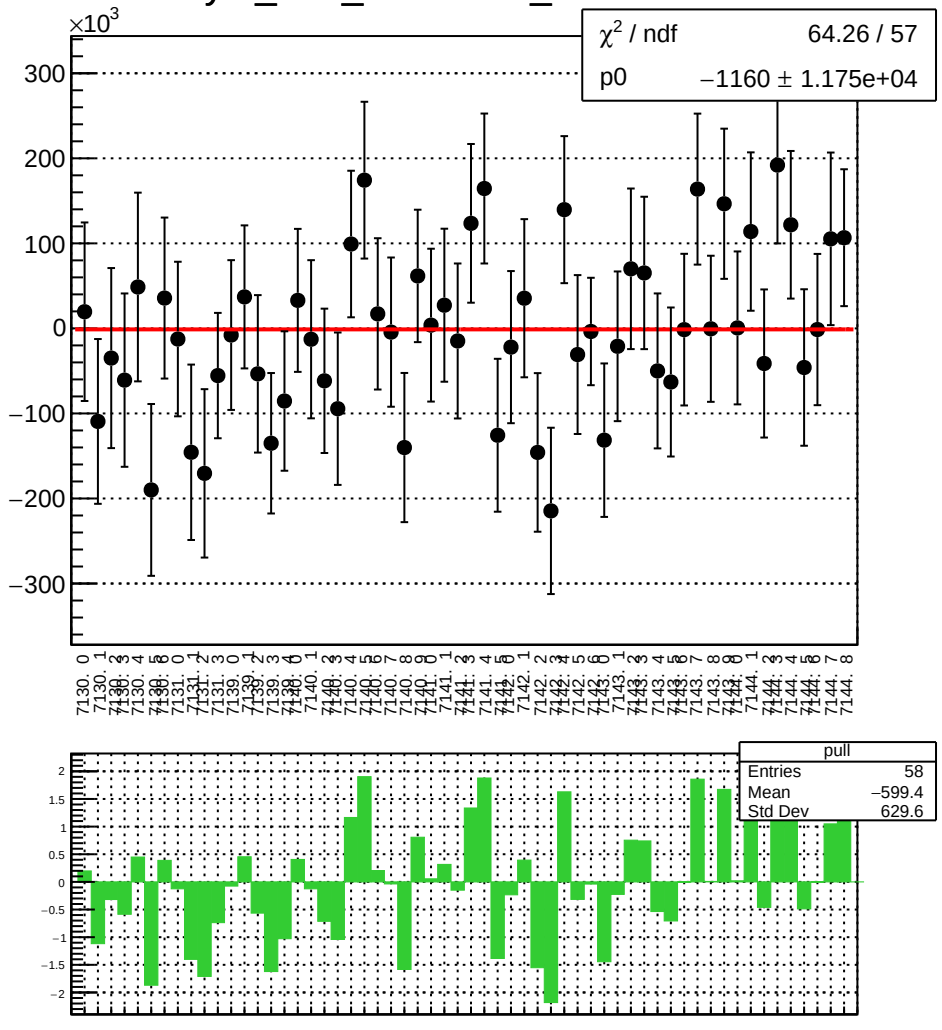

pull1D
Entries 58
Mean 0.003037
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

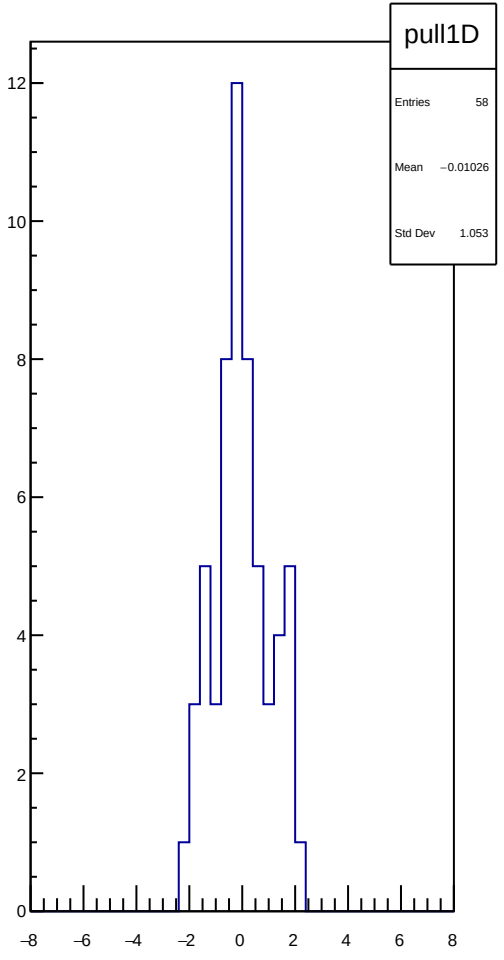

asym_atr1_rms vs run
χ^2 / ndf 58.53 / 57
p0 2897 ± 2.752
2960
2940
2920
2900
2880
2860
2840
2820

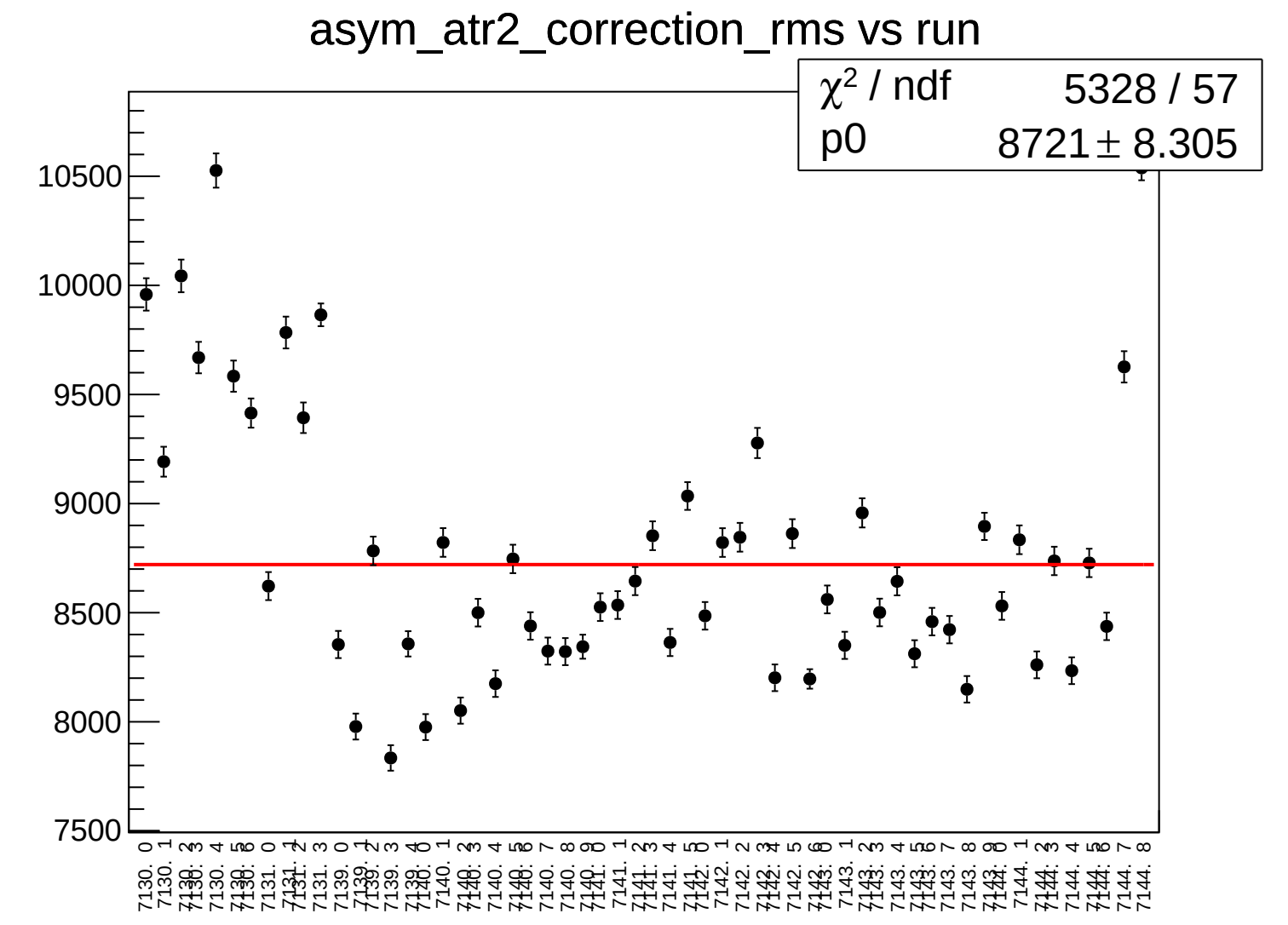

dit_asym_atr2_mean vs run
χ² / ndf 39.46 / 57
p0 −1624 ± 3617
pull
Entries 58
Mean −175.3
Std Dev 259.7

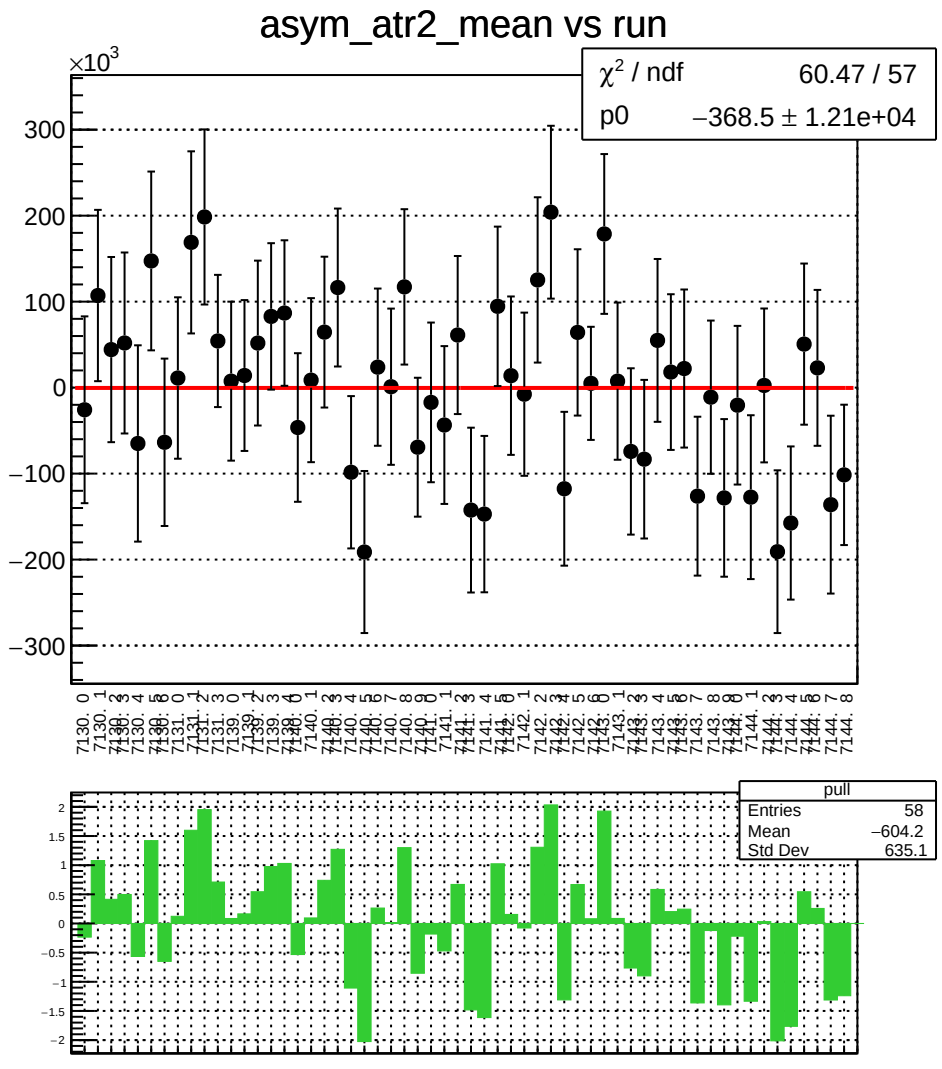

pull1D
Entries 58
Mean 0.001077
Std Dev 0.8248

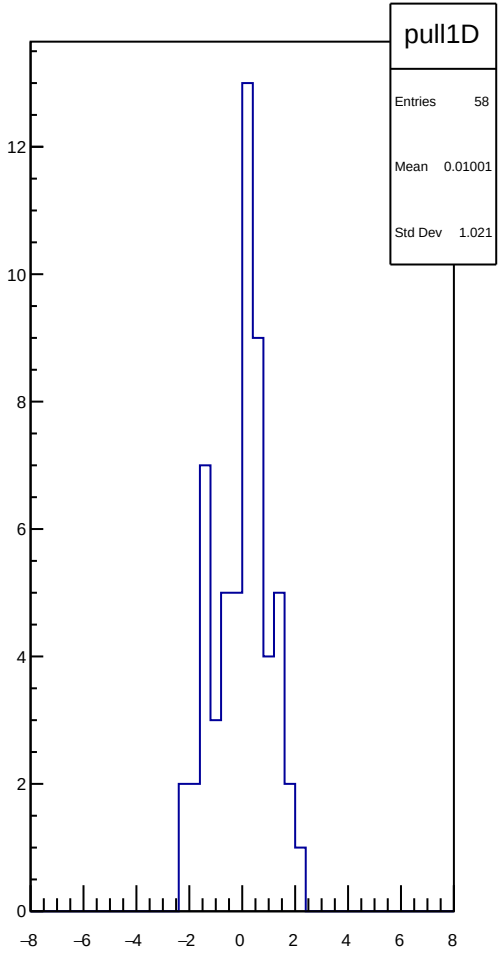

dit_asym_atr2_rms vs run
χ² / ndf 1434 / 57
p0 2690 ± 2.557
3000
2900
2800
2700
2600
2500

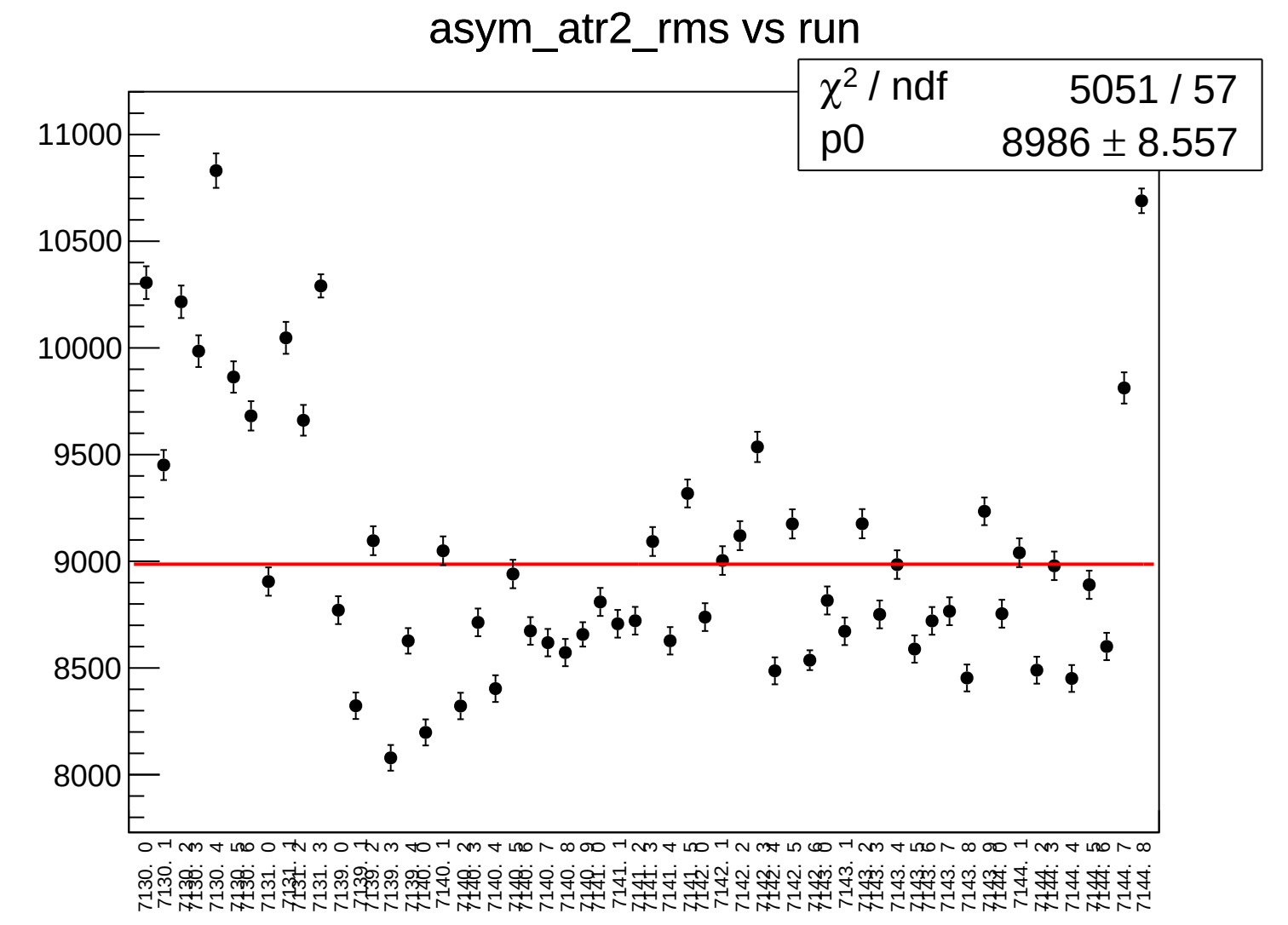

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 64.26 / 57
p0 −1160 ± 1.175e+04
pull
Entries 58
Mean −599.4
Std Dev 629.6

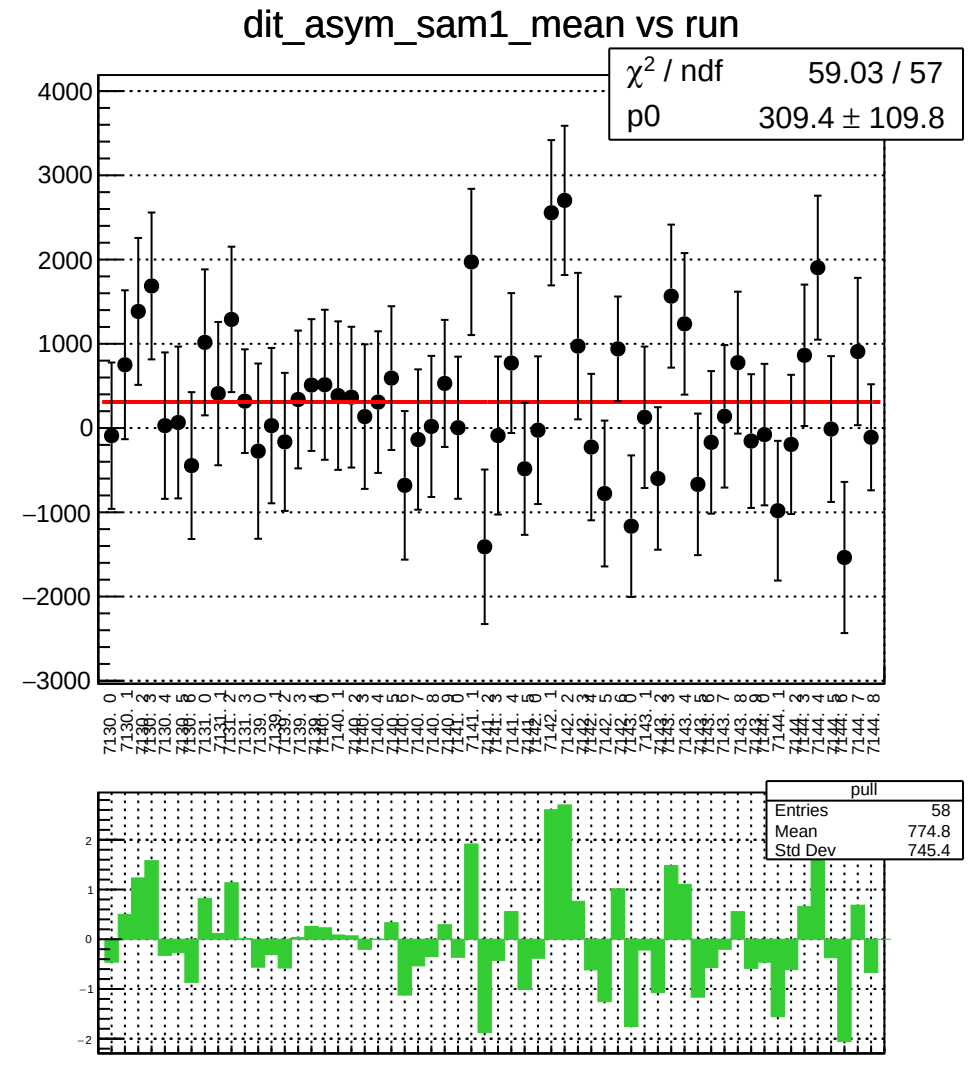

pull1D
Entries 58
Mean −0.01026
Std Dev 1.053

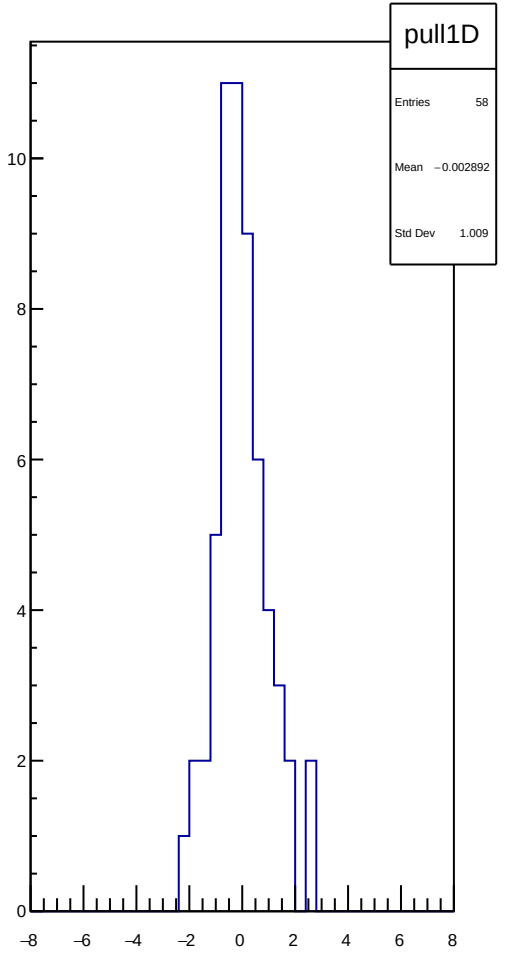

asym_atr2_correction_rms vs run
χ² / ndf 5328 / 57
p0 8721 ± 8.305
10500
10000
9500
9000
8500
8000
7500

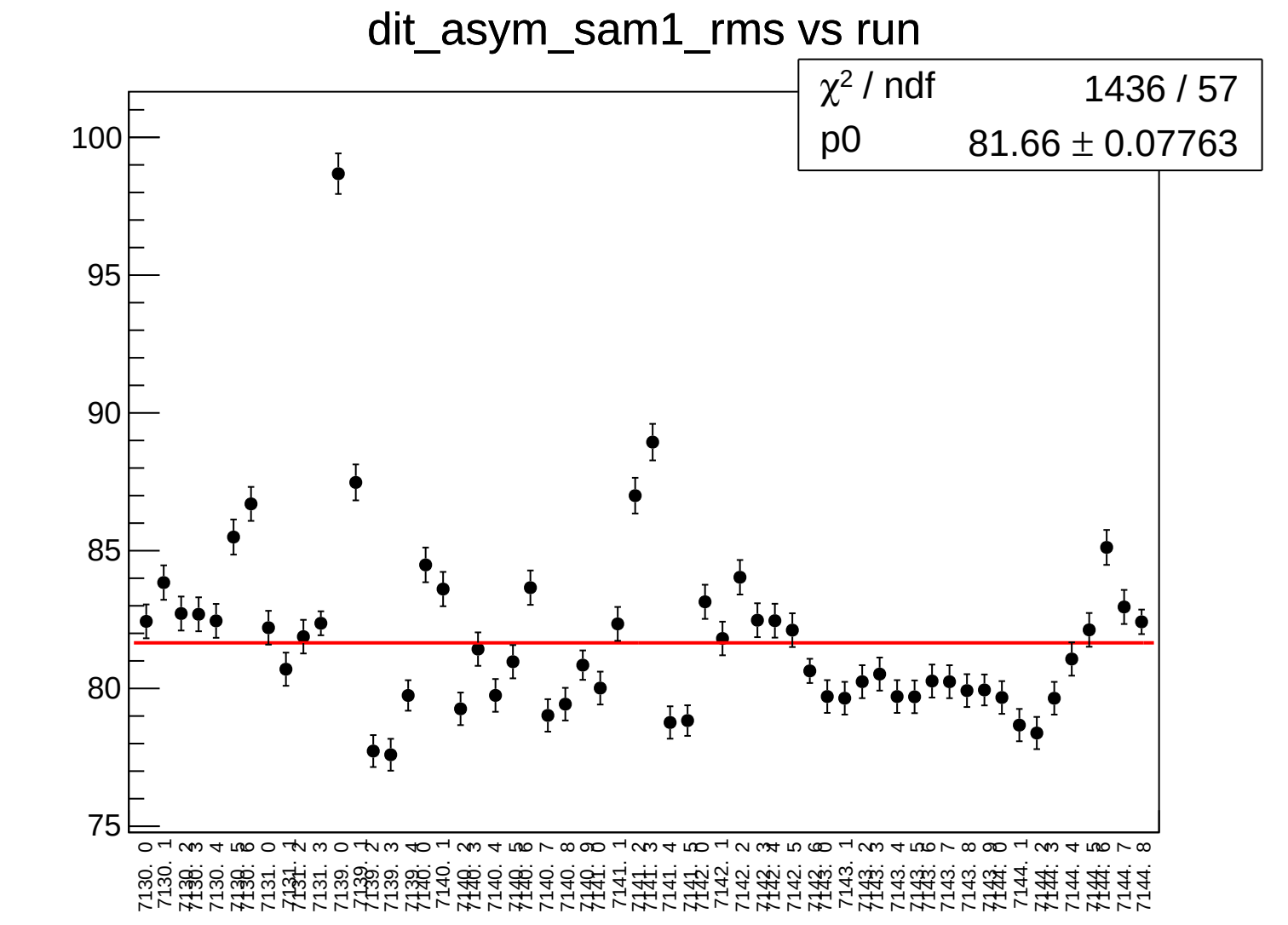

asym_atr2_mean vs run
×10^3
χ² / ndf 60.47 / 57
p0 −368.5 ± 1.21e+04
300
200
100
0
−100
−200
−300
pull
Entries 58
Mean −604.2
Std Dev 635.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

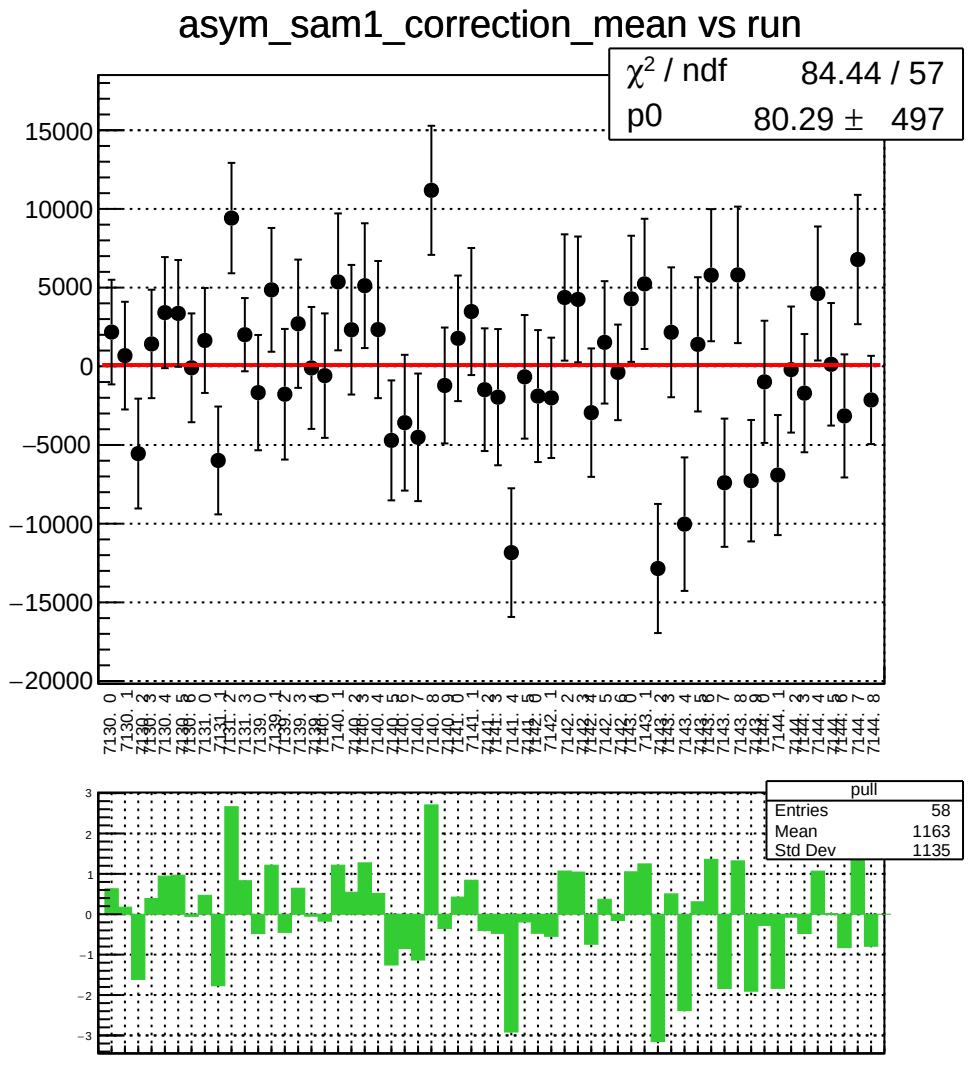

pull1D
Entries 58
Mean 0.01001
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

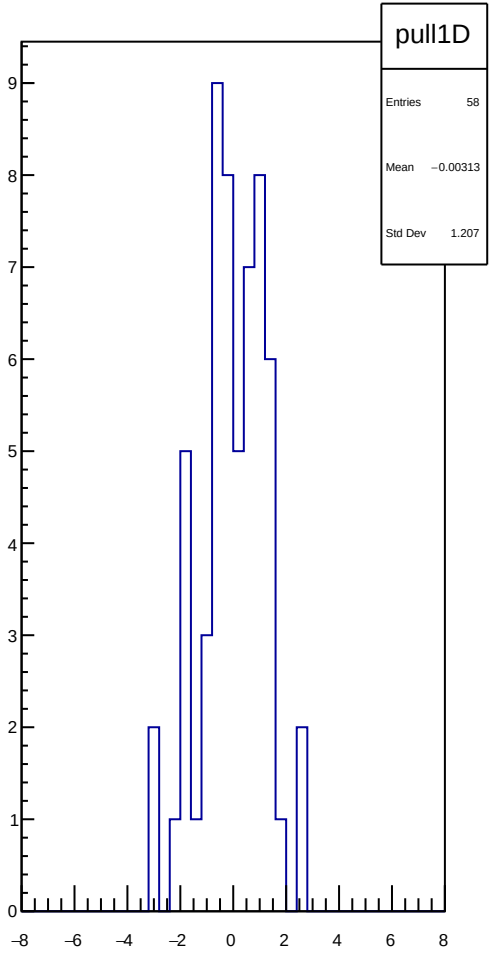

asym_atr2_rms vs run
χ² / ndf 5051 / 57
p0 8986 ± 8.557
11000
10500
10000
9500
9000
8500
8000

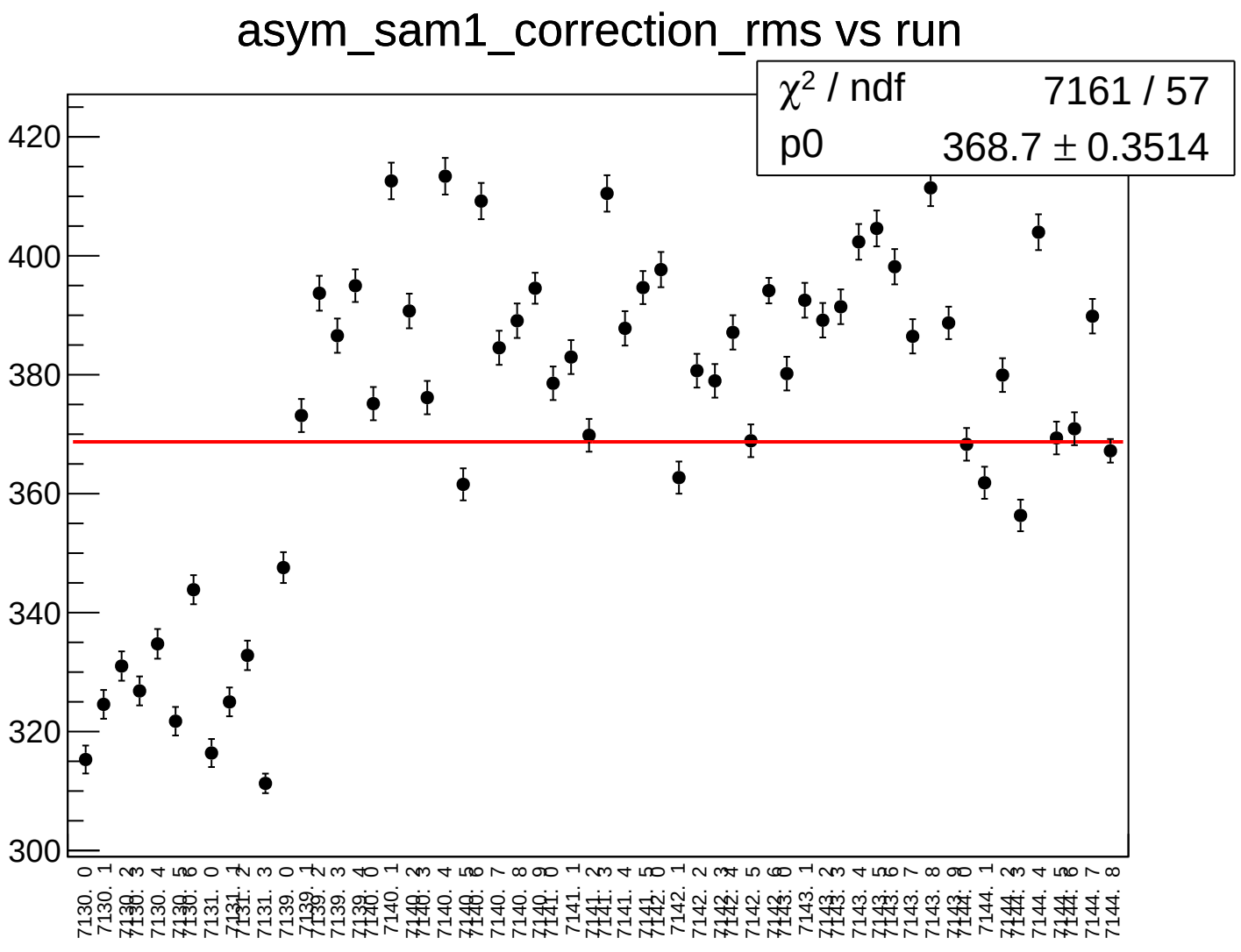

dit_asym_sam1_mean vs run
χ^2 / ndf 59.03 / 57
p0 309.4 ± 109.8
pull
Entries 58
Mean 774.8
Std Dev 745.4

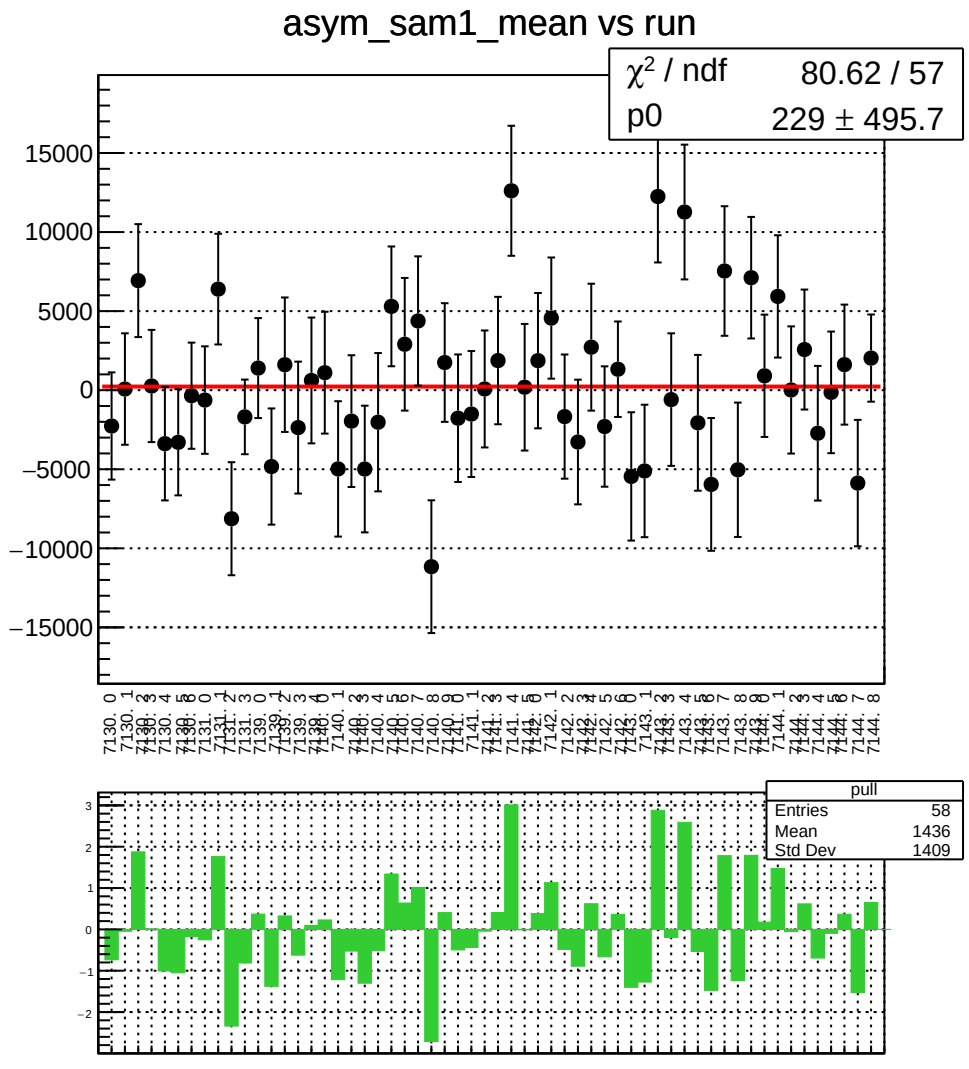

pull1D
Entries 58
Mean −0.002892
Std Dev 1.009

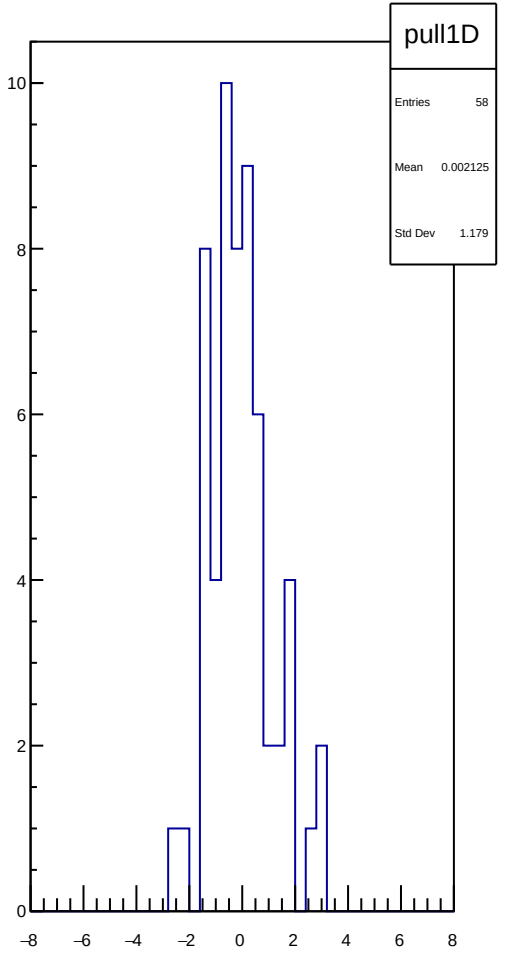

dit_asym_sam1_rms vs run
χ^2 / ndf 1436 / 57
p0 81.66 ± 0.07763
100
95
90
85
80
75

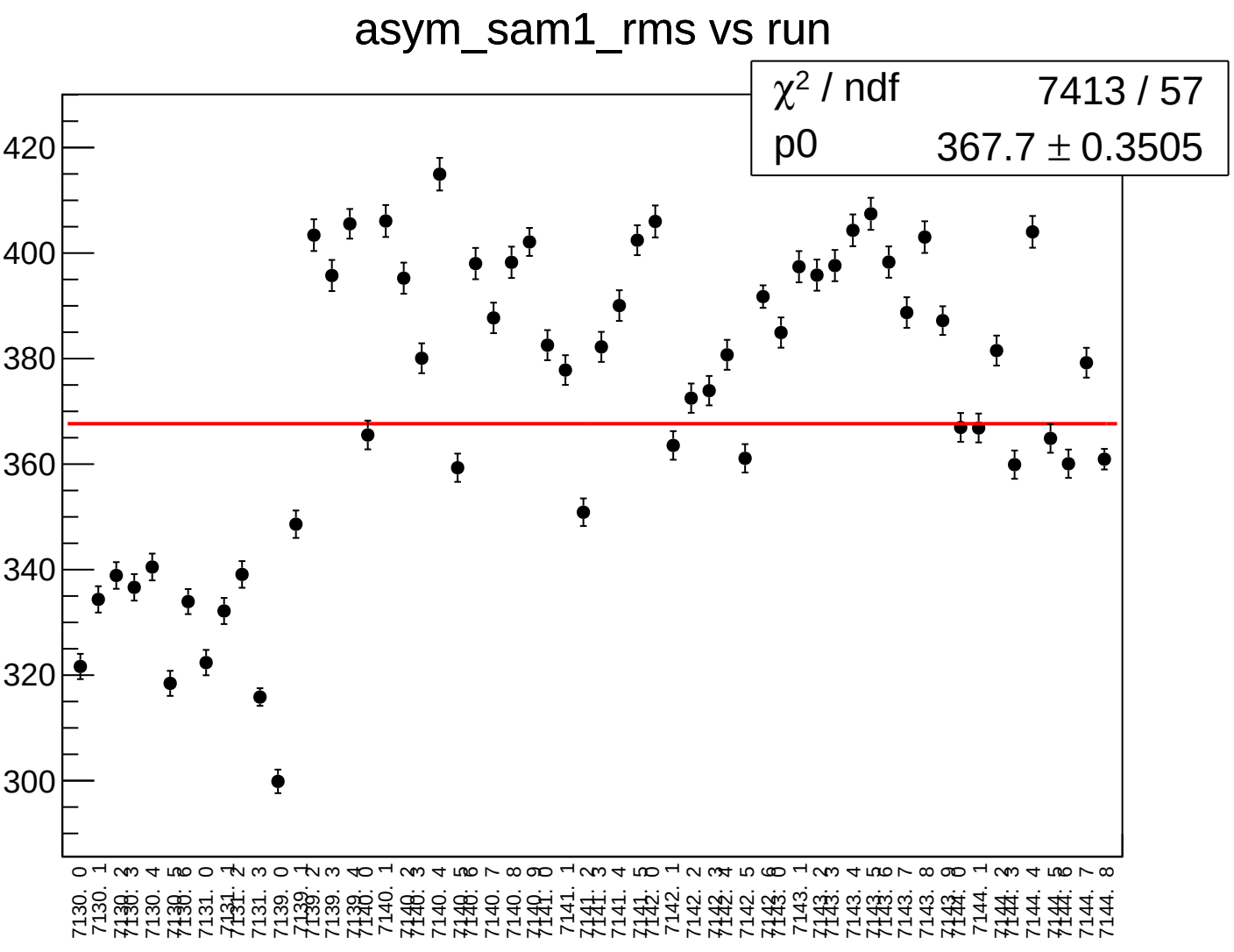

asym_sam1_correction_mean vs run
χ² / ndf 84.44 / 57
p0 80.29 ± 497
pull
Entries 58
Mean 1163
Std Dev 1135

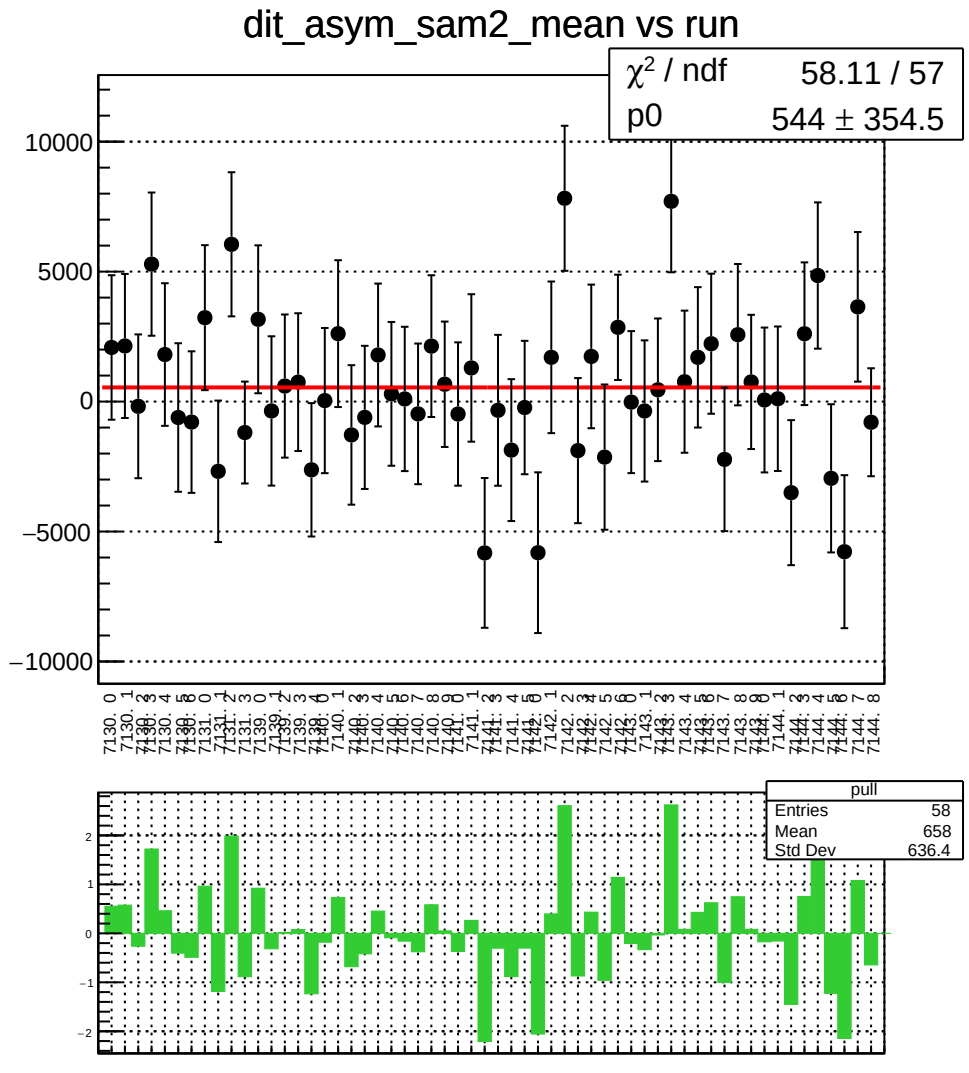

pull1D
Entries 58
Mean −0.00313
Std Dev 1.207

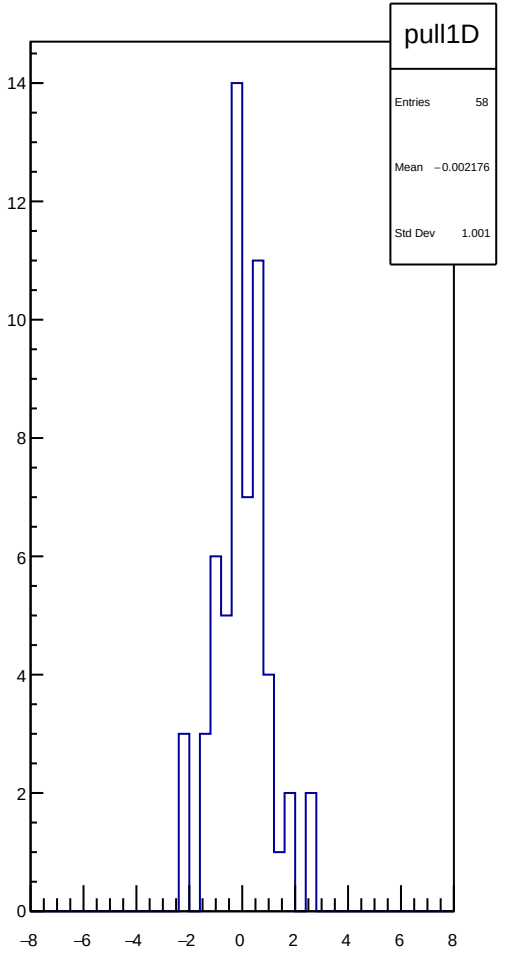

asym_sam1_correction_rms vs run
χ² / ndf 7161 / 57
p0 368.7 ± 0.3514
420
400
380
360
340
320
300

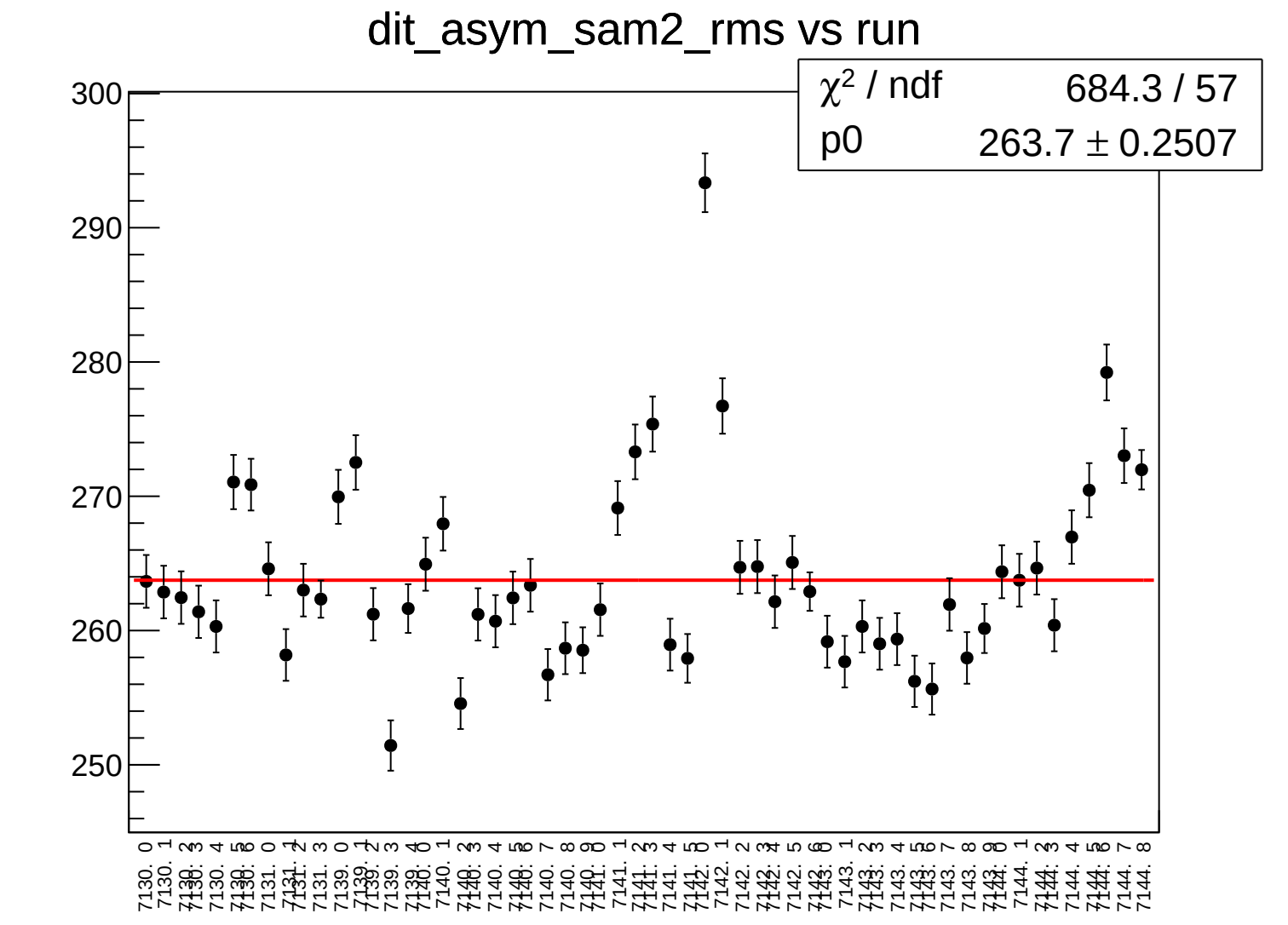

asym_sam1_mean vs run
χ² / ndf 80.62 / 57
p0 229 ± 495.7
pull
Entries 58
Mean 1436
Std Dev 1409

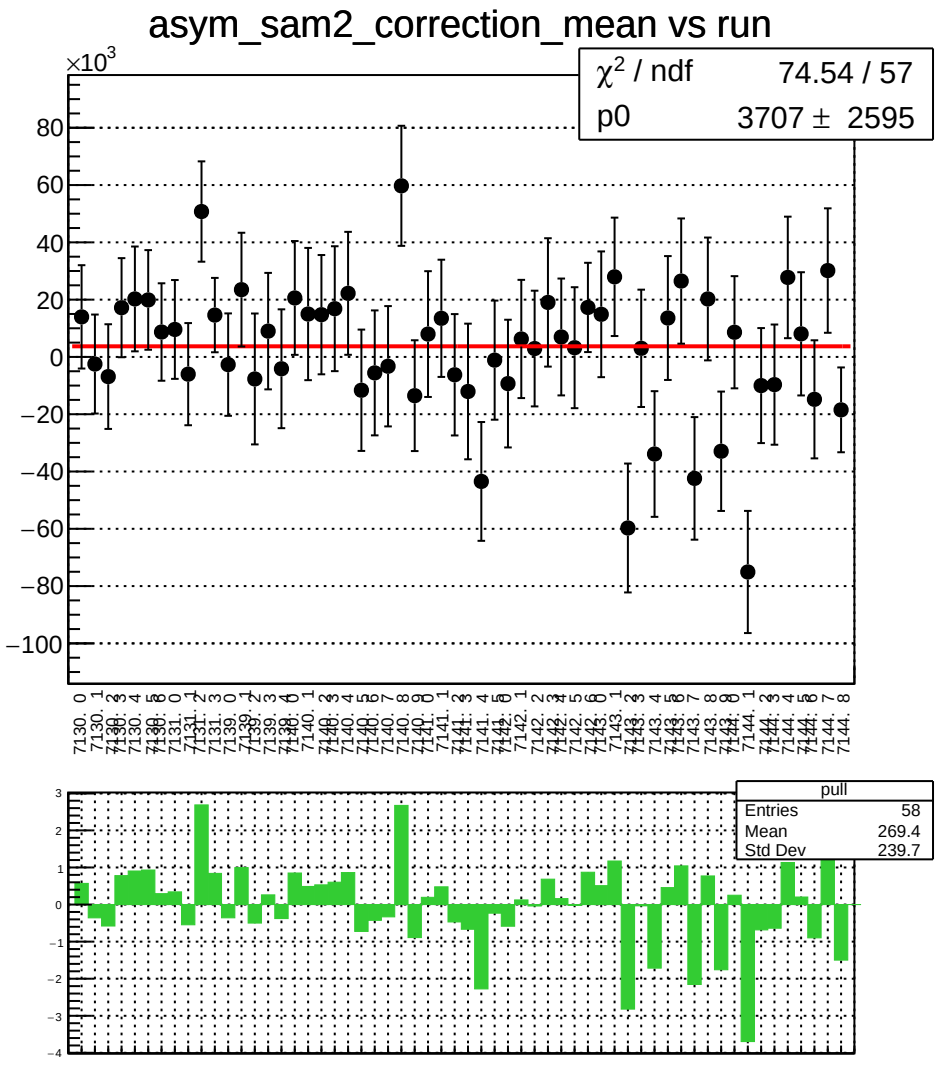

pull1D
Entries 58
Mean 0.002125
Std Dev 1.179

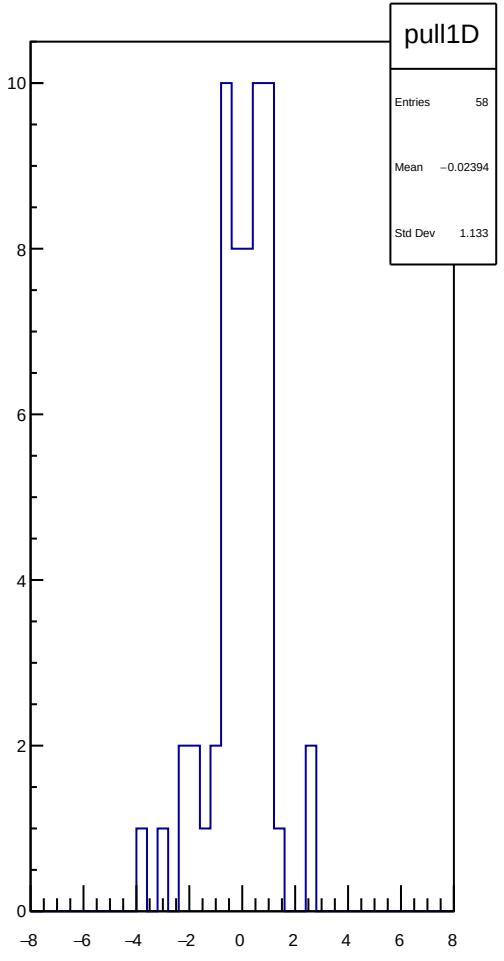

asym_sam1_rms vs run
χ² / ndf 7413 / 57
p0 367.7 ± 0.3505
420
400
380
360
340
320
300

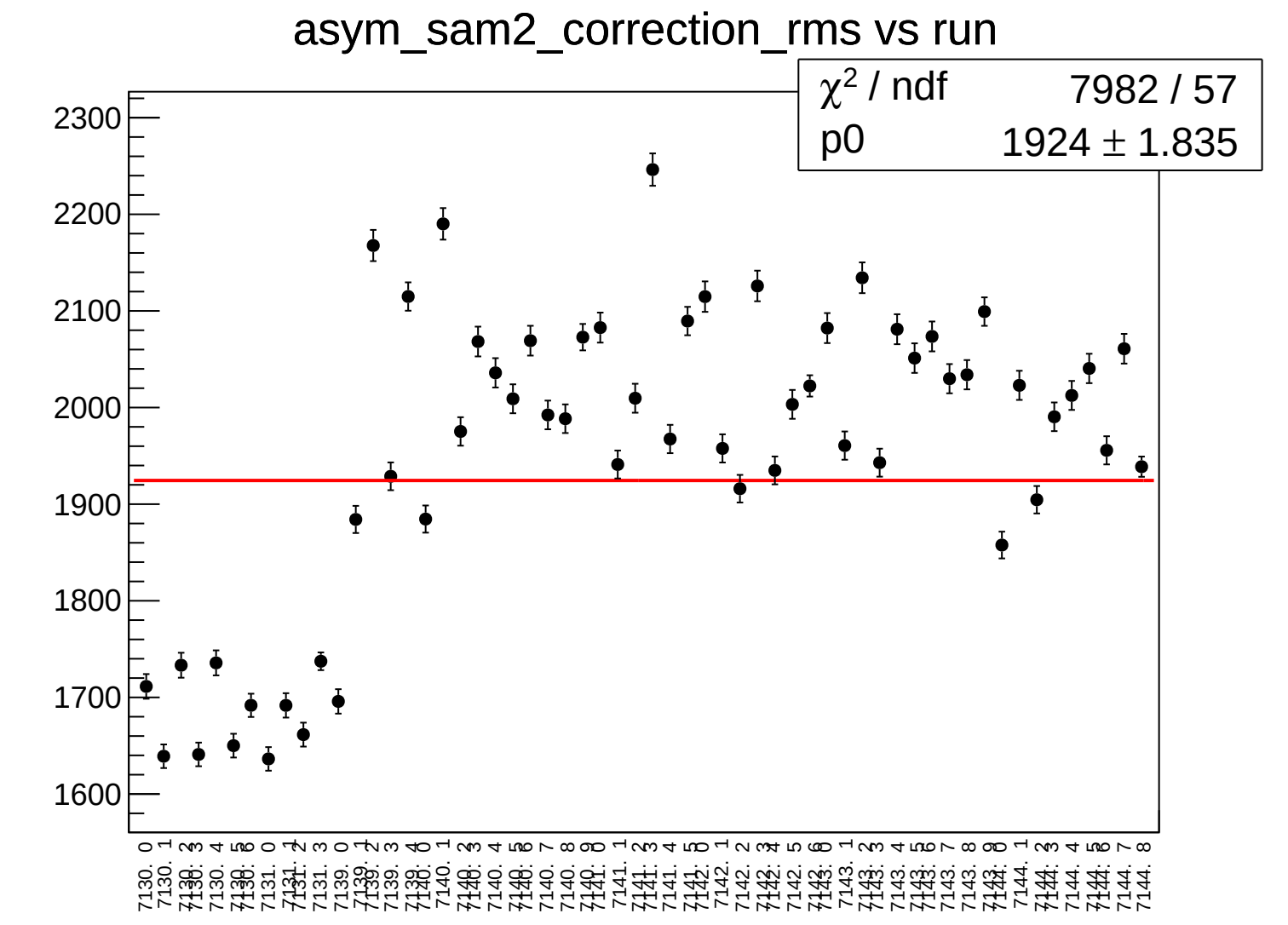

dit_asym_sam2_mean vs run
χ² / ndf 58.11 / 57
p0 544 ± 354.5
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 658
Std Dev 636.4
2
1
0
−1
−2

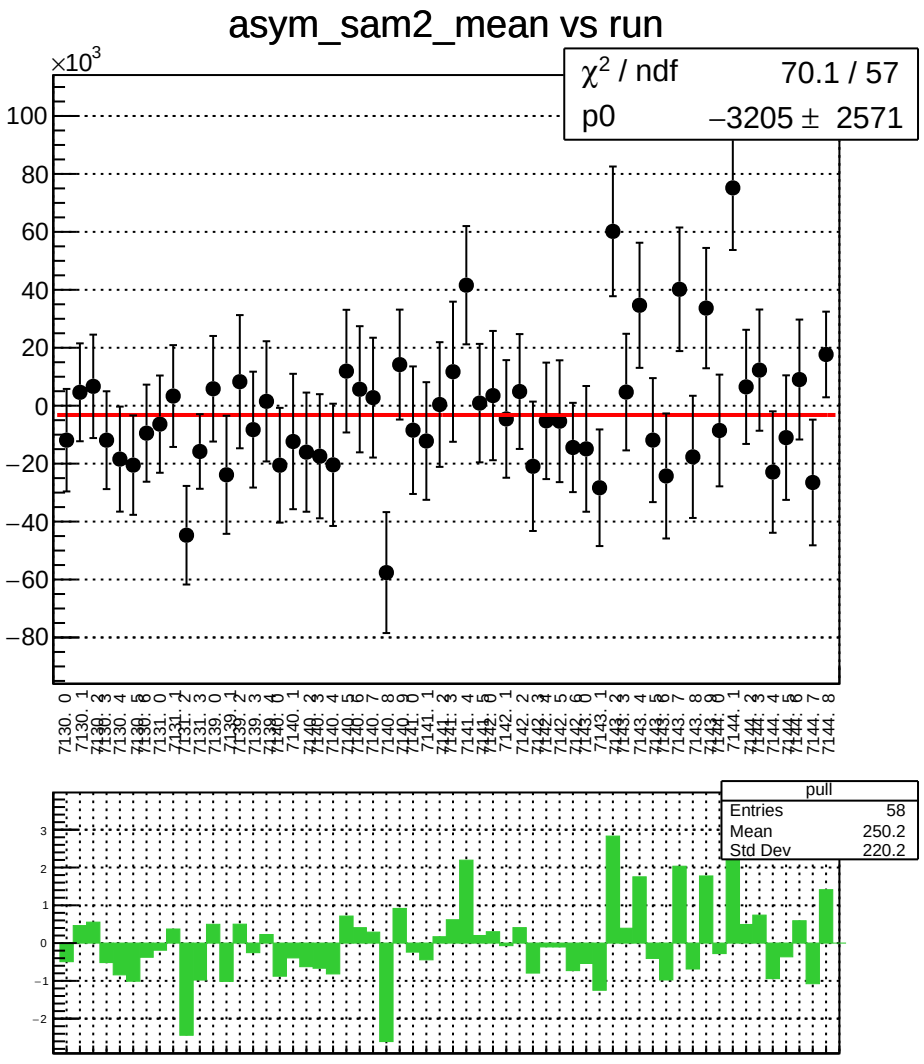

pull1D
Entries 58
Mean −0.002176
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

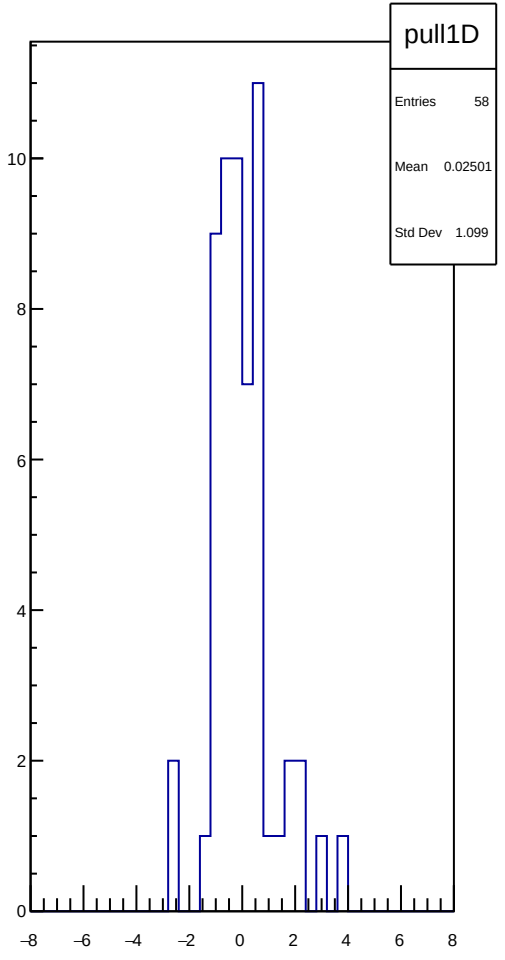

dit_asym_sam2_rms vs run
χ² / ndf 684.3 / 57
p0 263.7 ± 0.2507
300
290
280
270
260
250

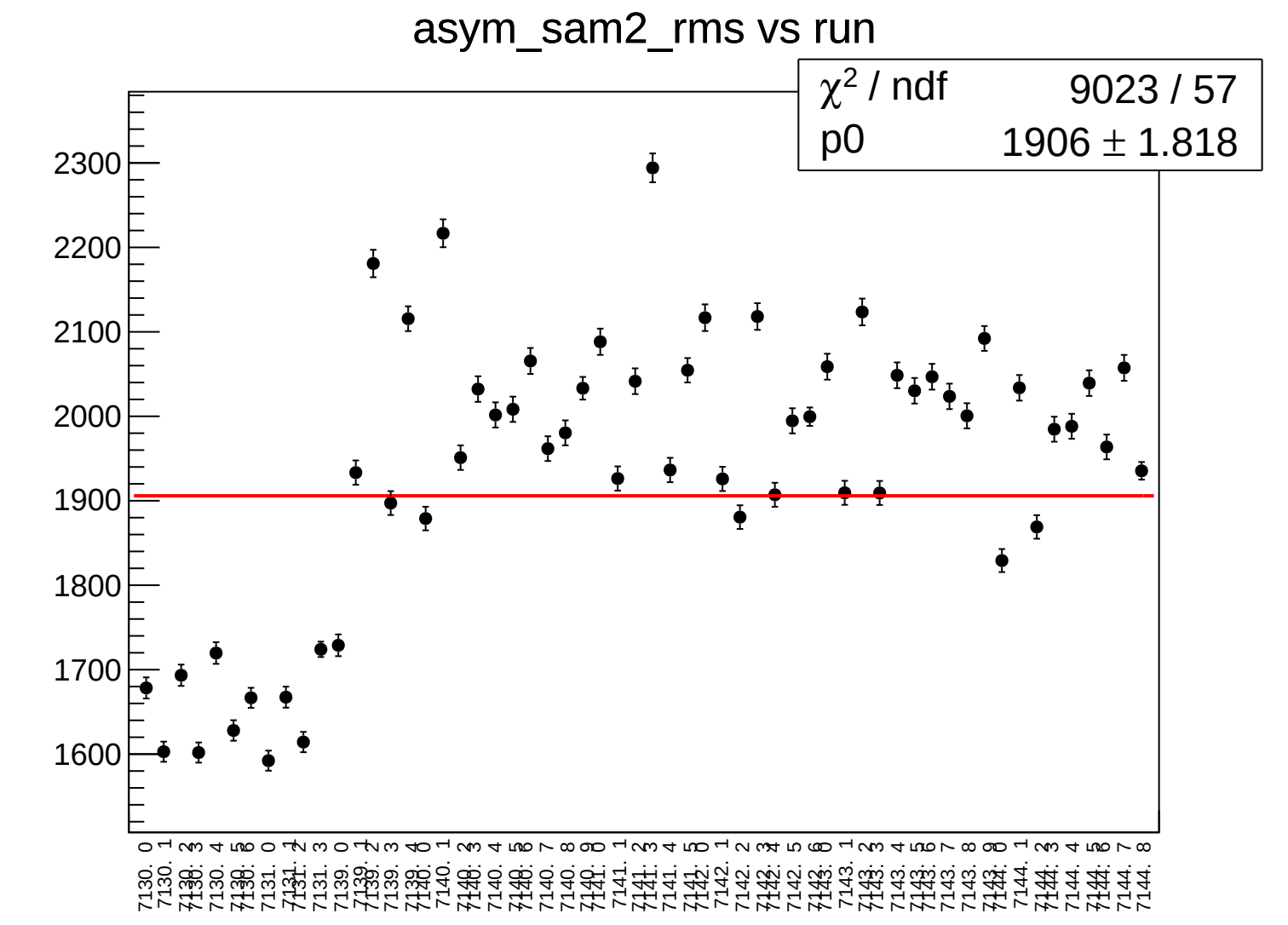

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 74.54 / 57
p0 3707 ± 2595
pull
Entries 58
Mean 269.4
Std Dev 239.7

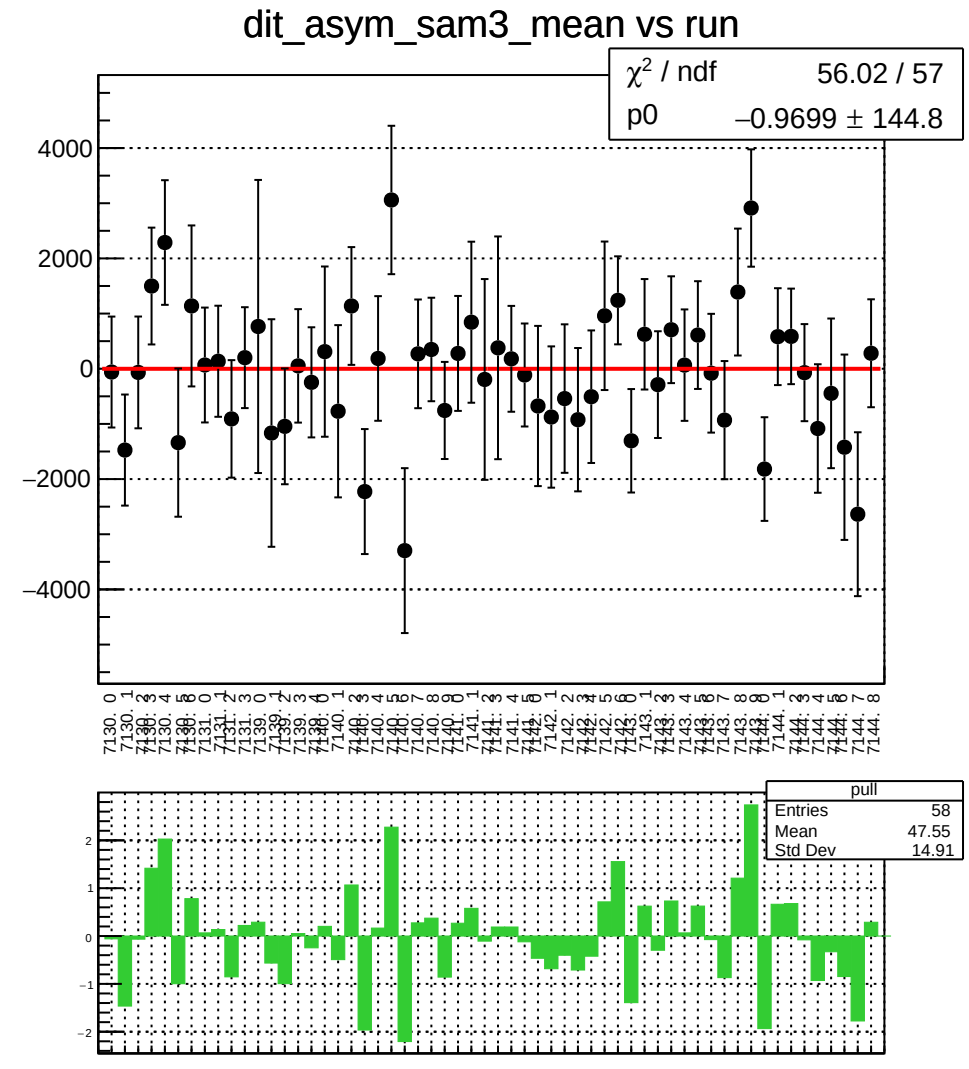

pull1D
Entries 58
Mean −0.02394
Std Dev 1.133

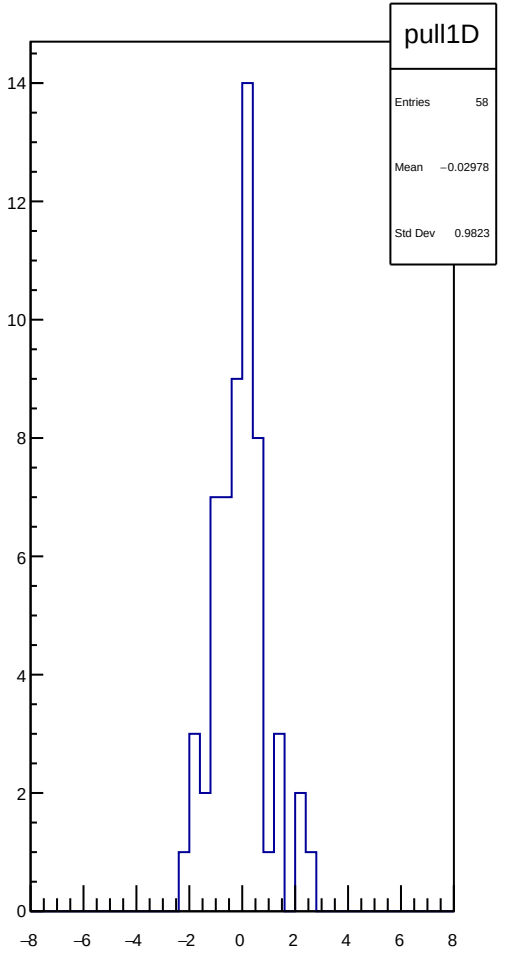

asym_sam2_correction_rms vs run
χ² / ndf 7982 / 57
p0 1924 ± 1.835
2300
2200
2100
2000
1900
1800
1700
1600

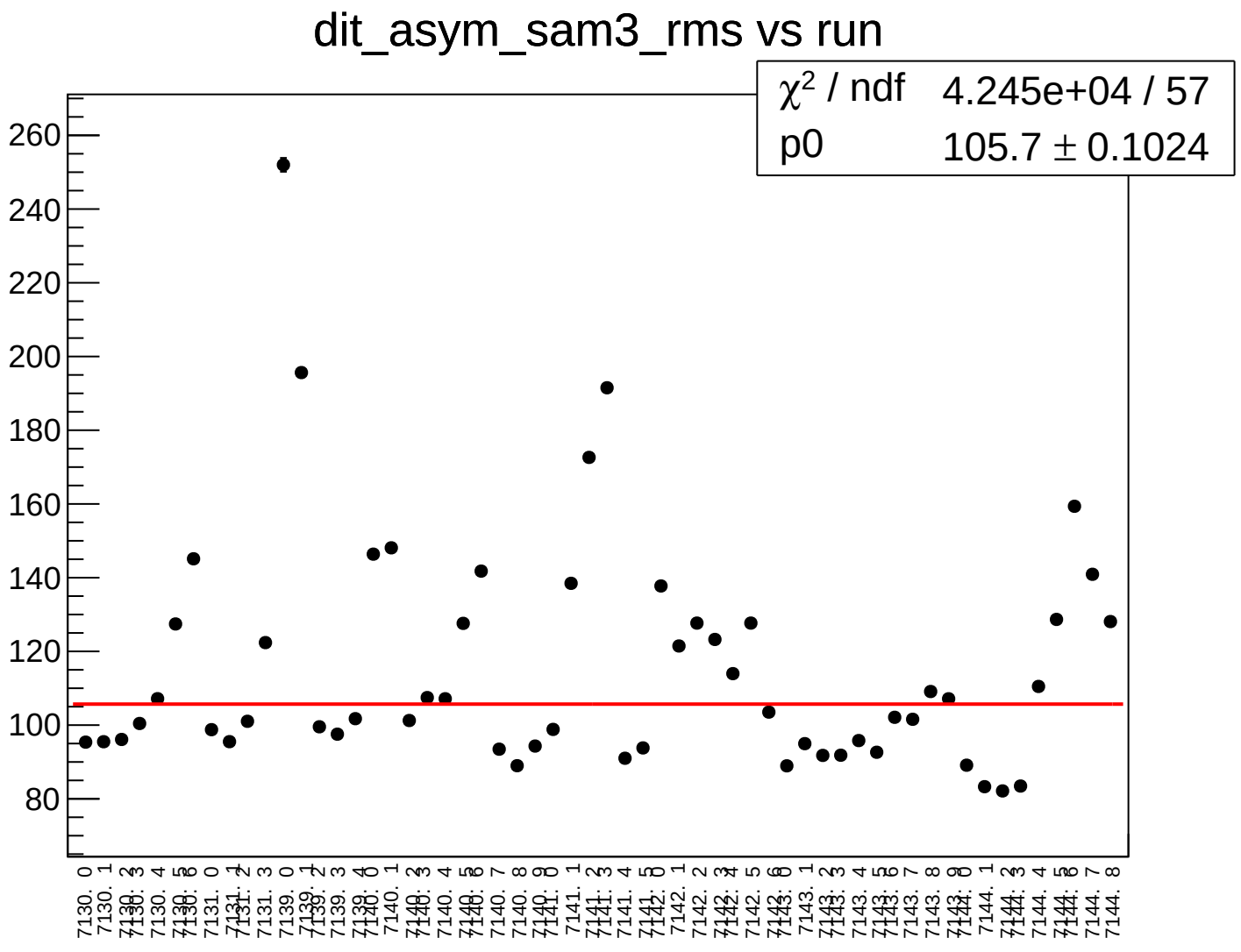

asym_sam2_mean vs run
×10^3
χ² / ndf 70.1 / 57
p0 −3205 ± 2571
pull
Entries 58
Mean 250.2
Std Dev 220.2

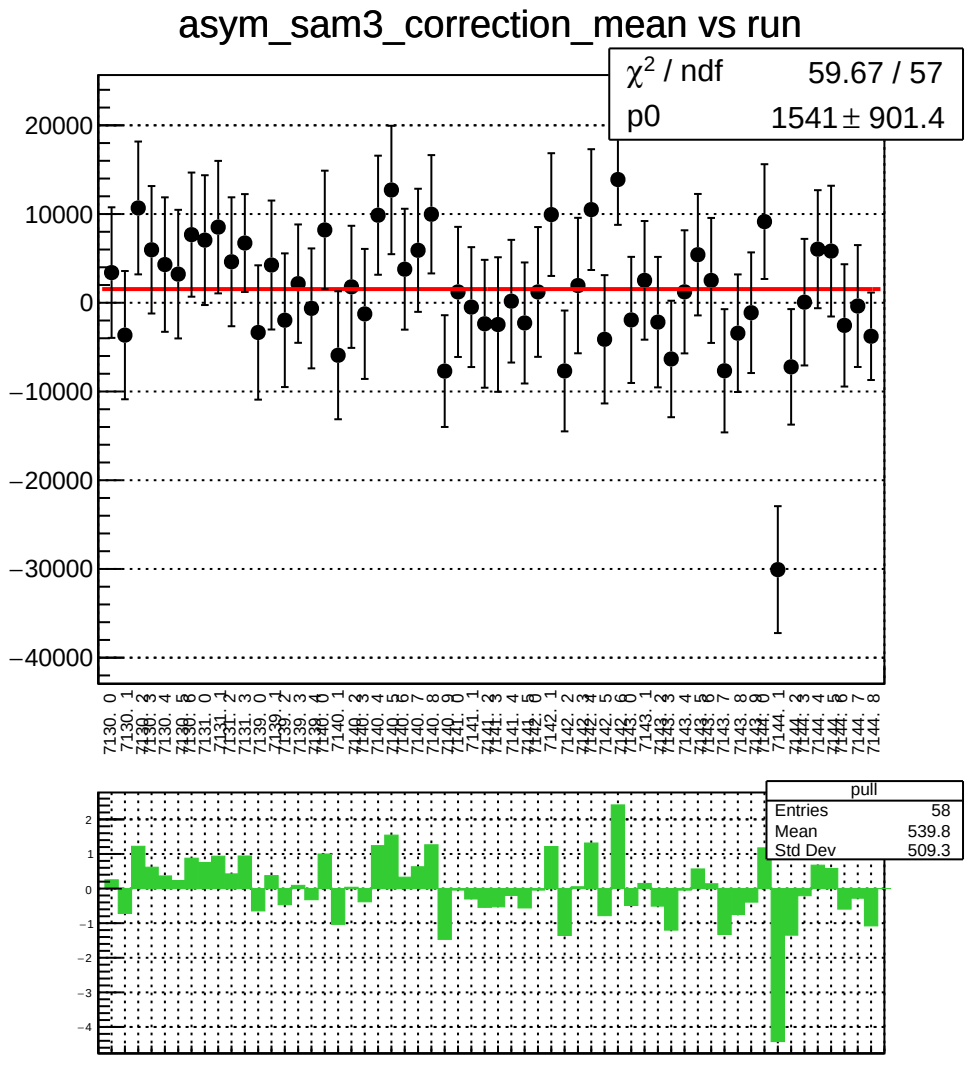

pull1D
Entries 58
Mean 0.02501
Std Dev 1.099

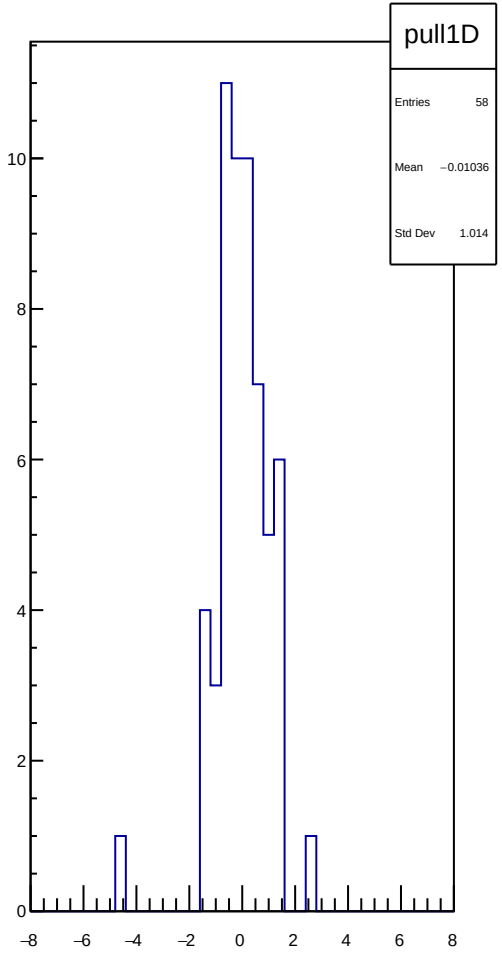

asym_sam2_rms vs run
χ^2 / ndf 9023 / 57
p0 1906 ± 1.818
2300
2200
2100
2000
1900
1800
1700
1600
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 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

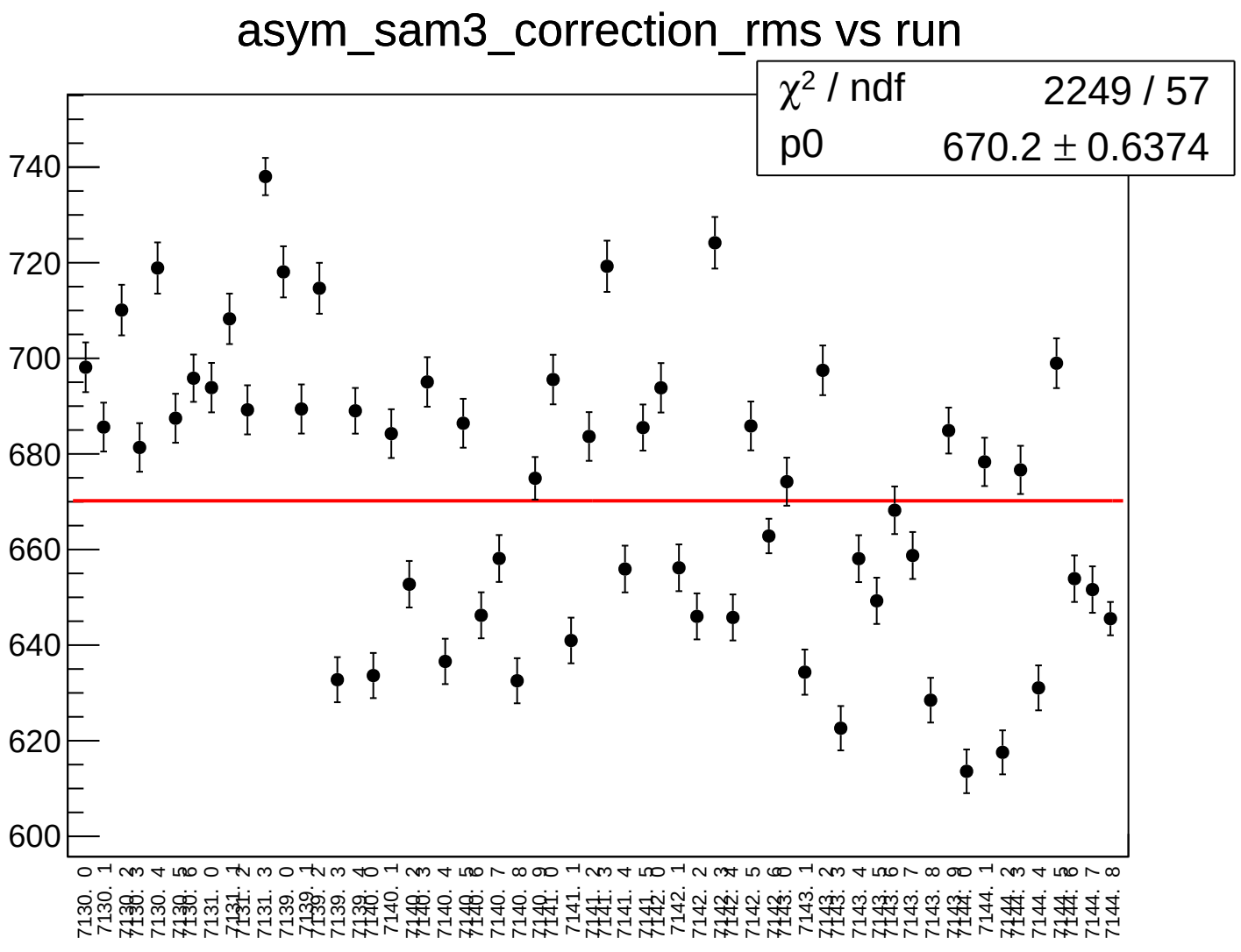

dit_asym_sam3_mean vs run
χ² / ndf 56.02 / 57
p0 −0.9699 ± 144.8
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 47.55
Std Dev 14.91
2
1
0
−1
−2

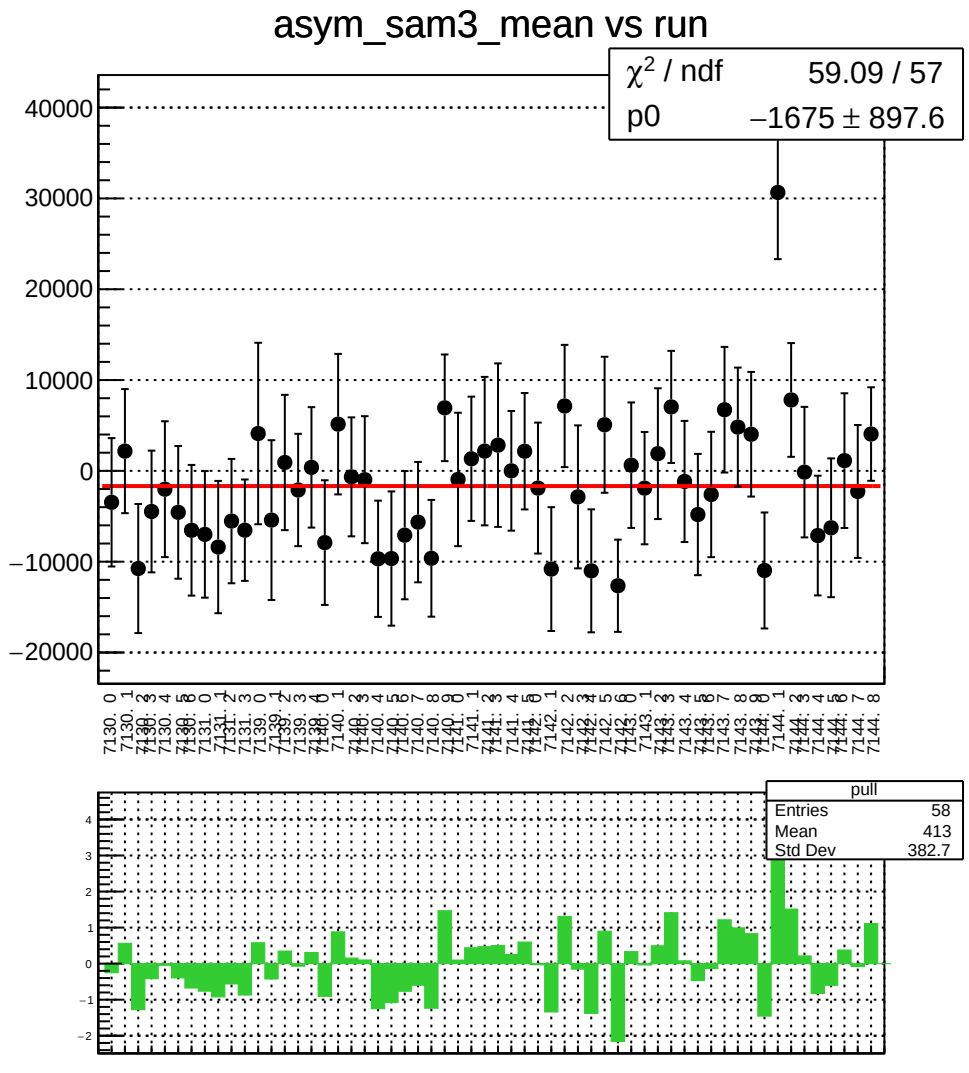

pull1D
Entries 58
Mean −0.02978
Std Dev 0.9823
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

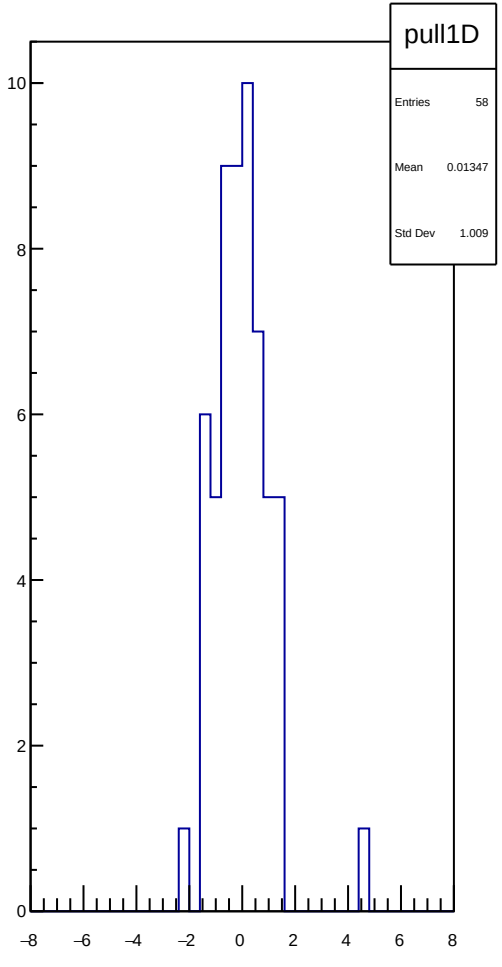

dit_asym_sam3_rms vs run
χ² / ndf 4.245e+04 / 57
p0 105.7 ± 0.1024
260
240
220
200
180
160
140
120
100
80

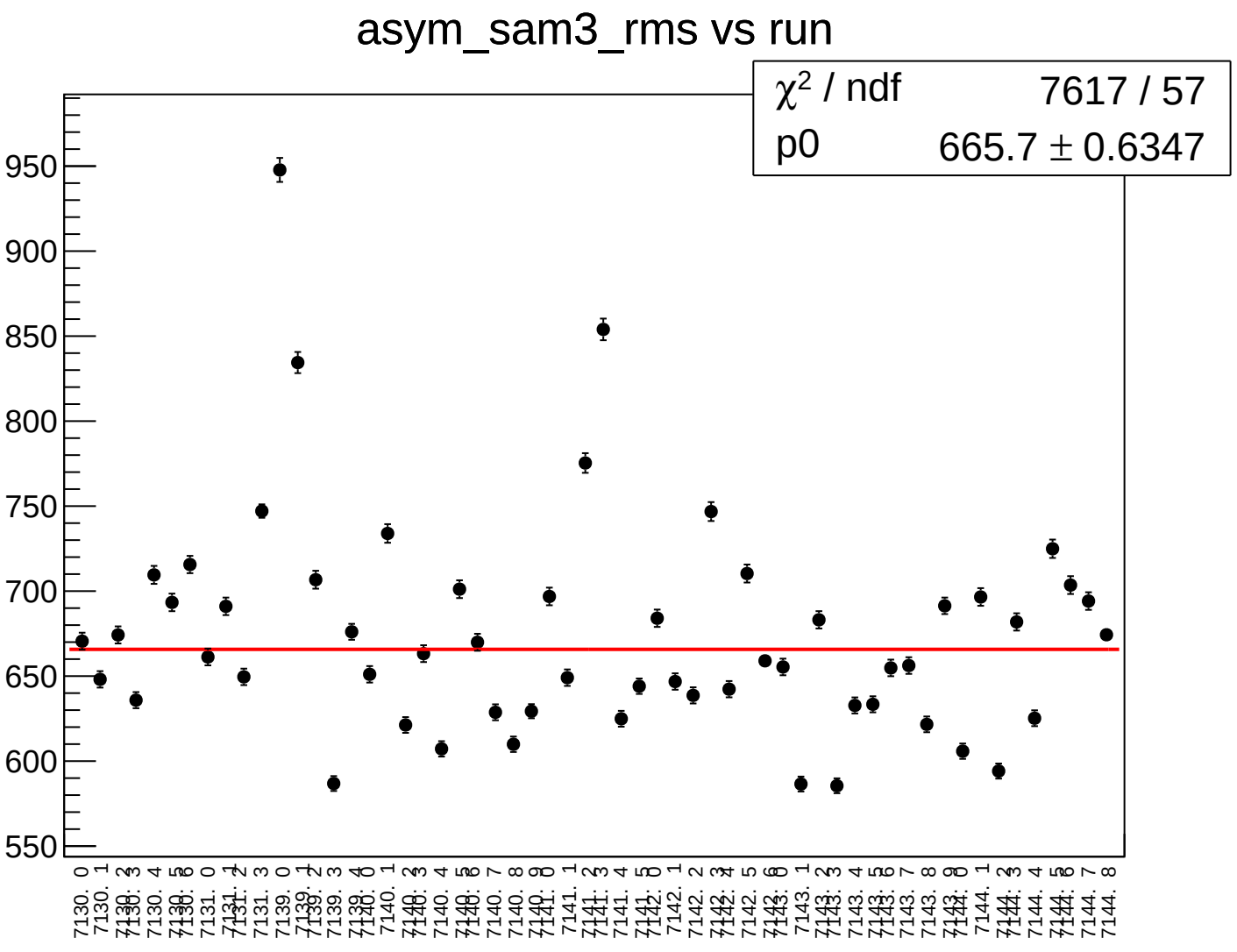

asym_sam3_correction_mean vs run
χ² / ndf 59.67 / 57
p0 1541 ± 901.4
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 58
Mean 539.8
Std Dev 509.3
2
1
0
−1
−2
−3
−4

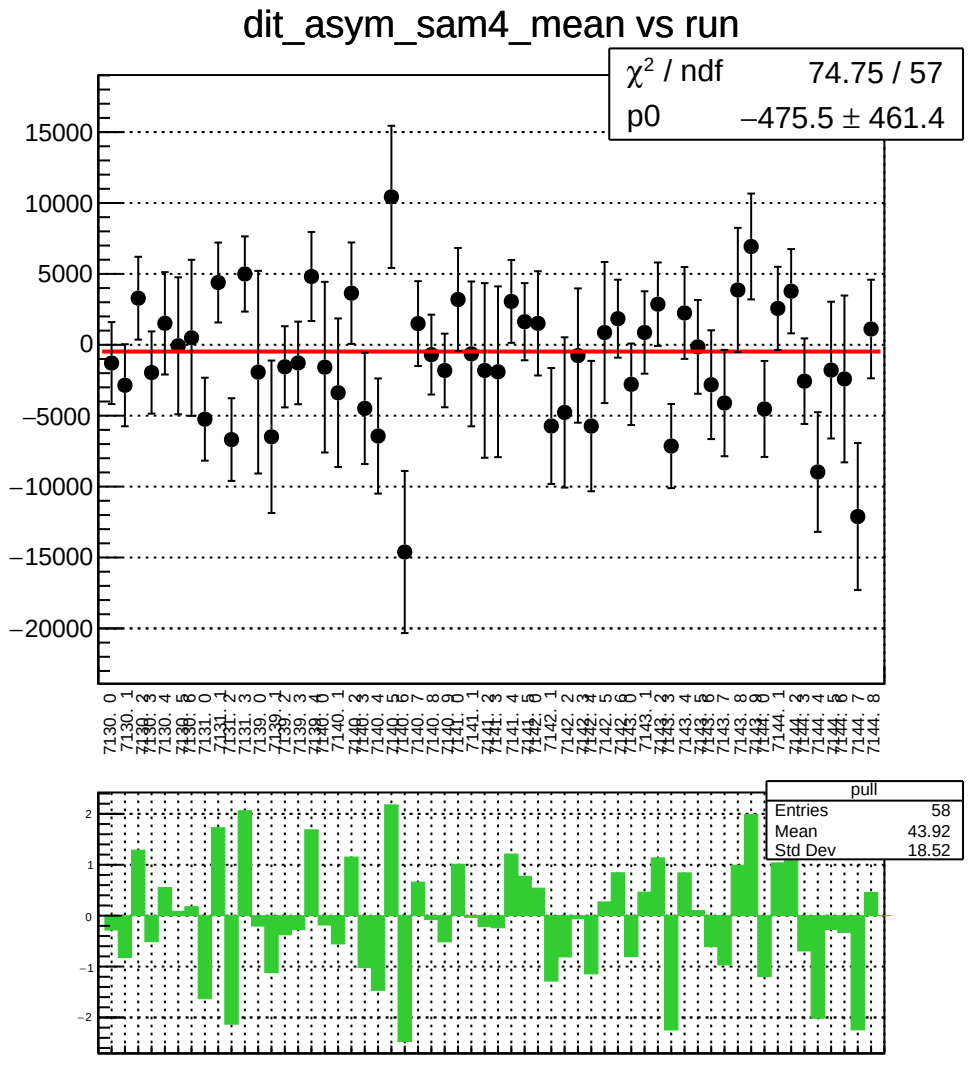

pull1D
Entries 58
Mean −0.01036
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

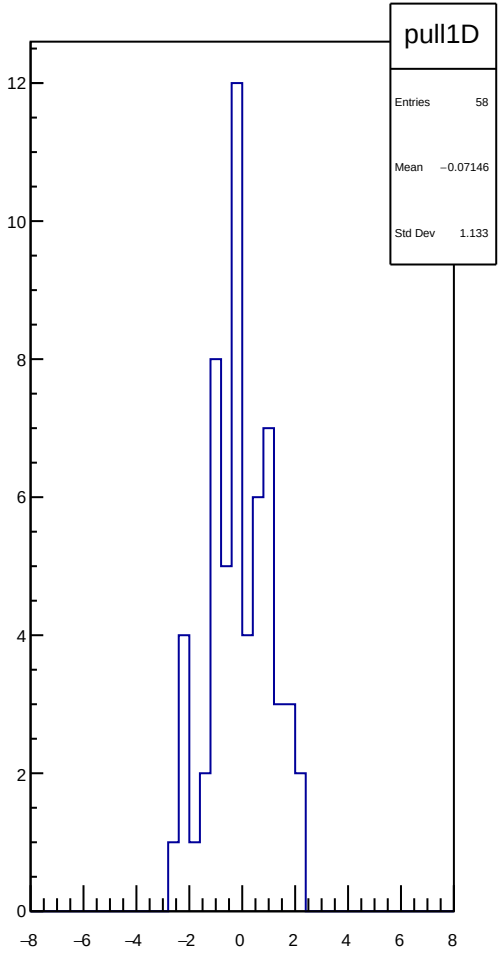

asym_sam3_correction_rms vs run
χ² / ndf 2249 / 57
p0 670.2 ± 0.6374
740
720
700
680
660
640
620
600

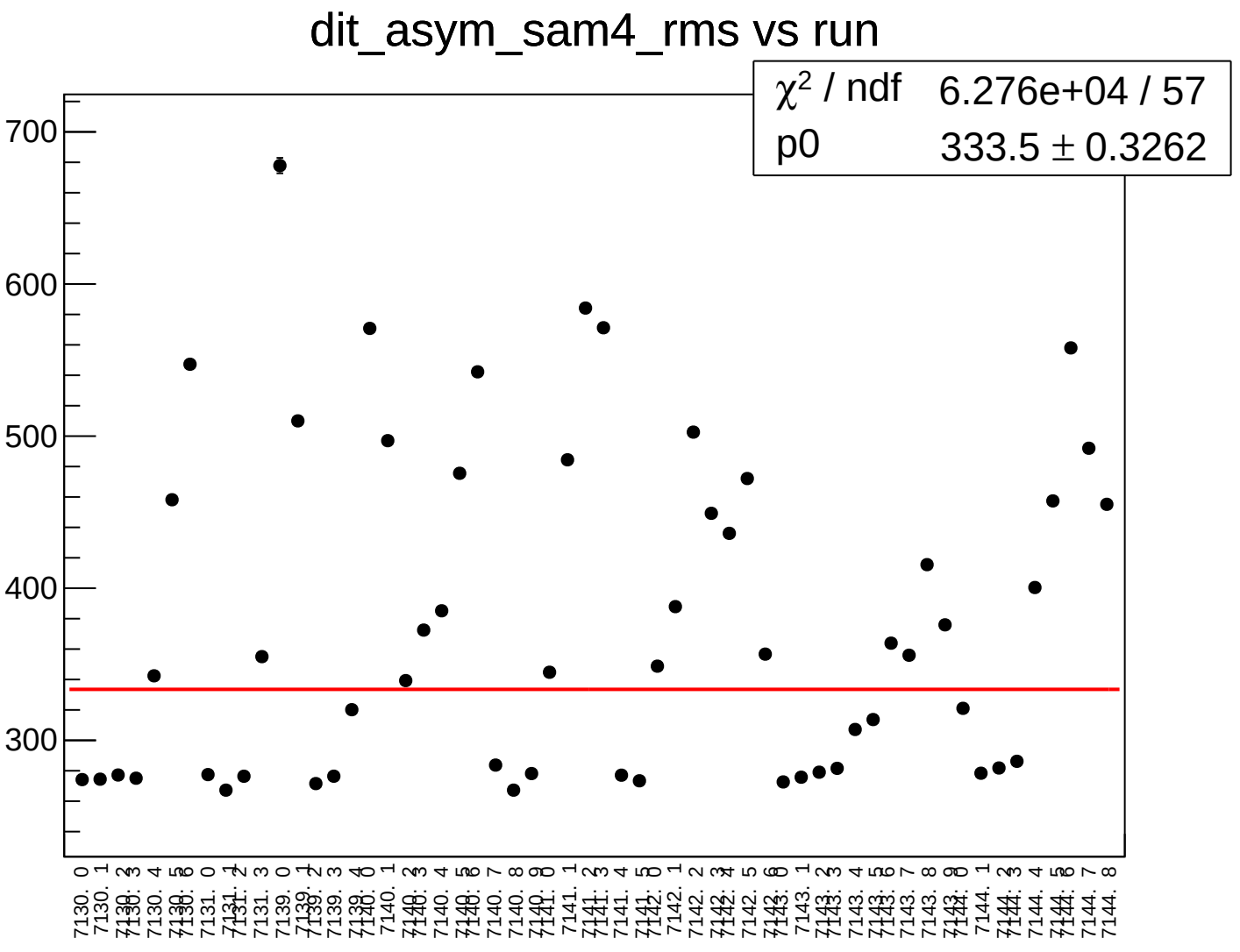

asym_sam3_mean vs run
χ² / ndf 59.09 / 57
p0 −1675 ± 897.6
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 413
Std Dev 382.7
4
3
2
1
0
−1
−2

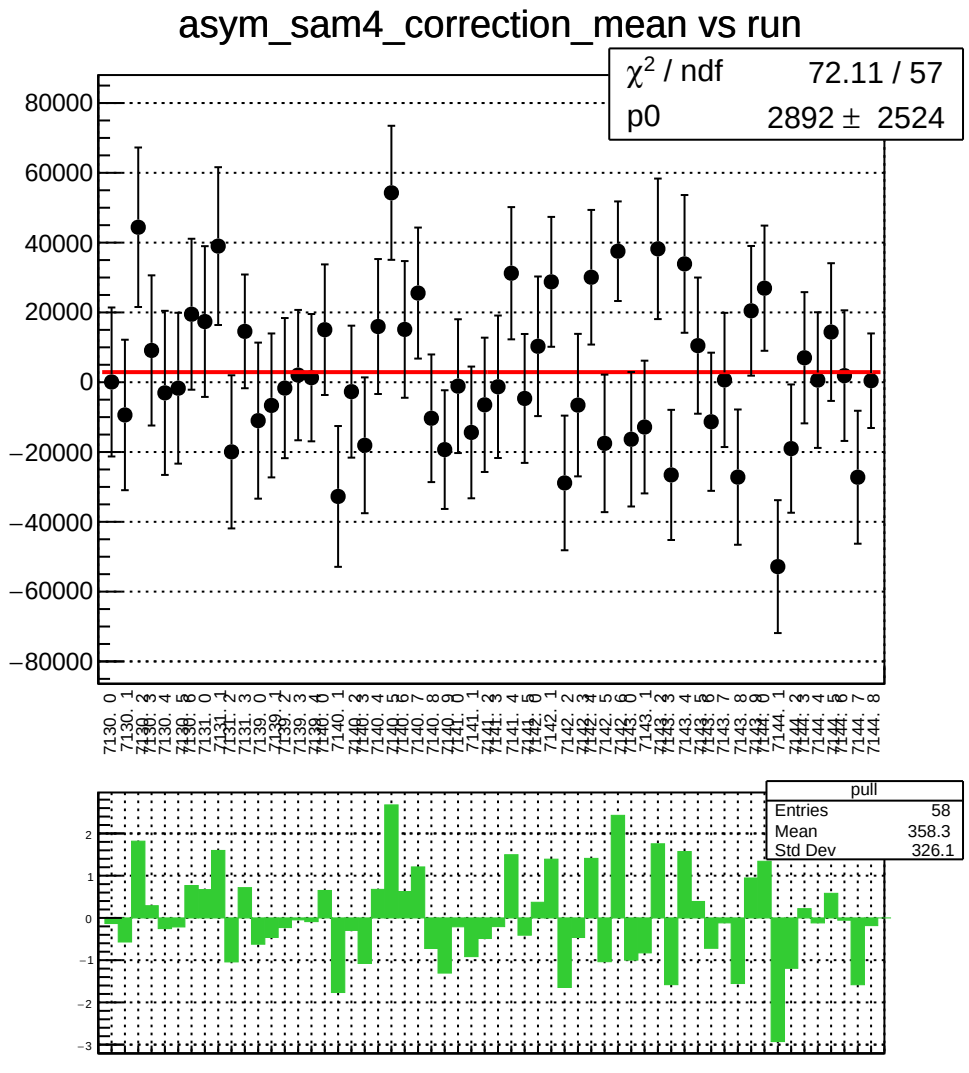

pull1D
Entries 58
Mean 0.01347
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

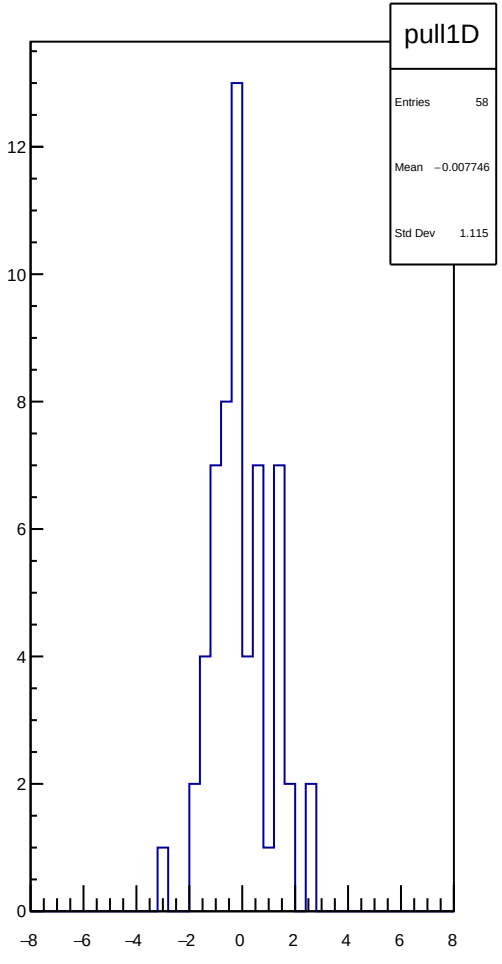

asym_sam3_rms vs run
χ² / ndf 7617 / 57
p0 665.7 ± 0.6347
950
900
850
800
750
700
650
600
550

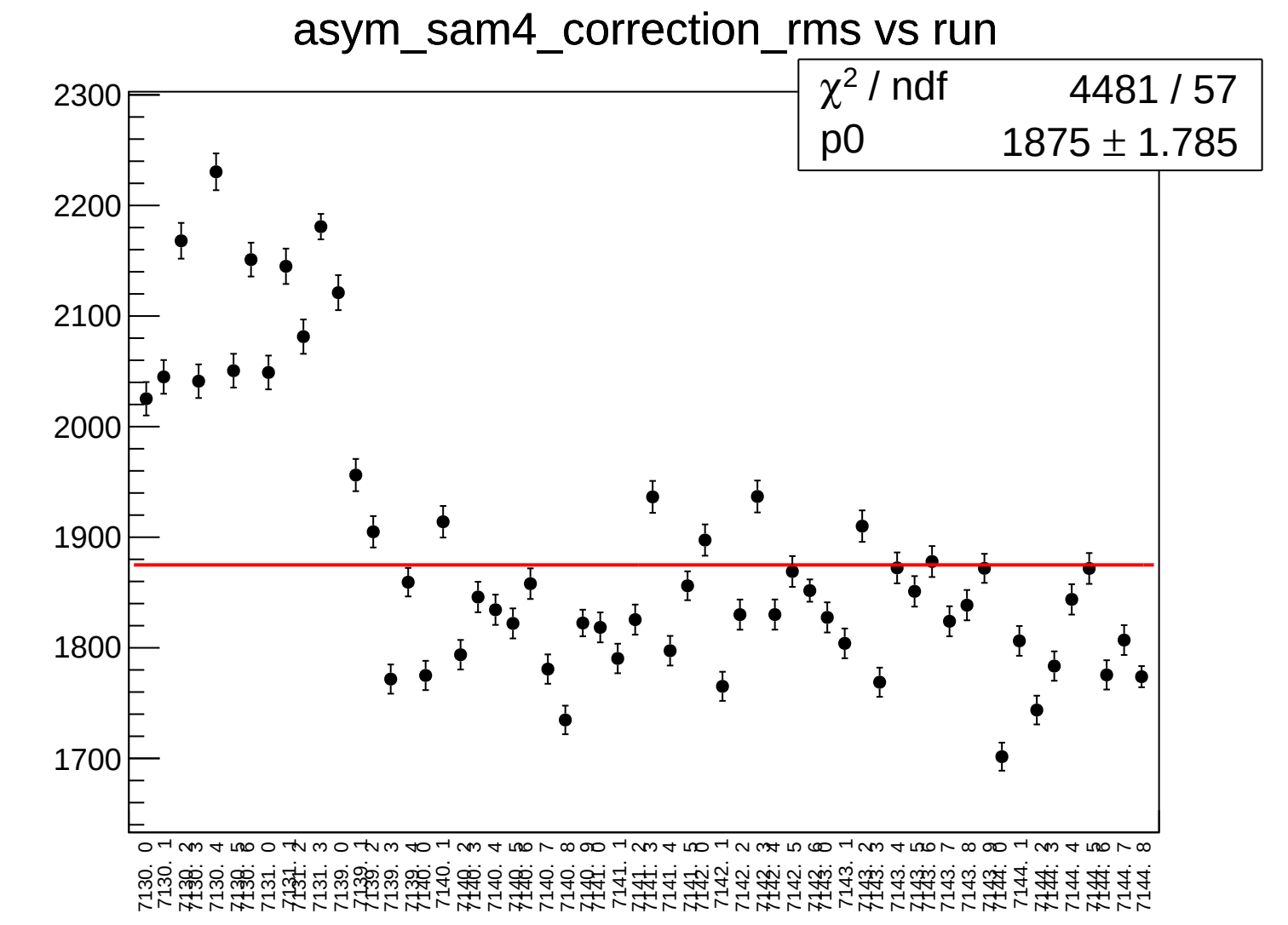

dit_asym_sam4_mean vs run
χ² / ndf 74.75 / 57
p0 −475.5 ± 461.4
pull
Entries 58
Mean 43.92
Std Dev 18.52

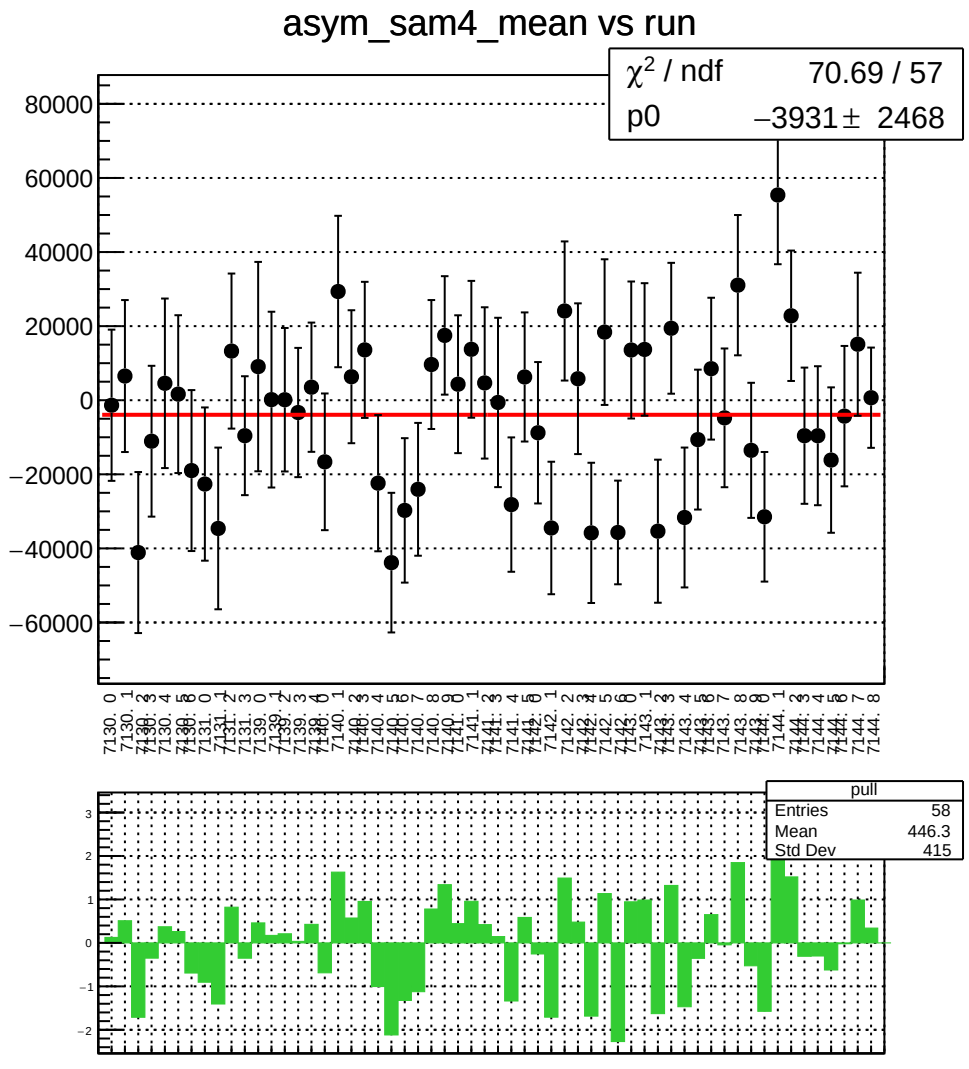

pull1D
Entries 58
Mean −0.07146
Std Dev 1.133

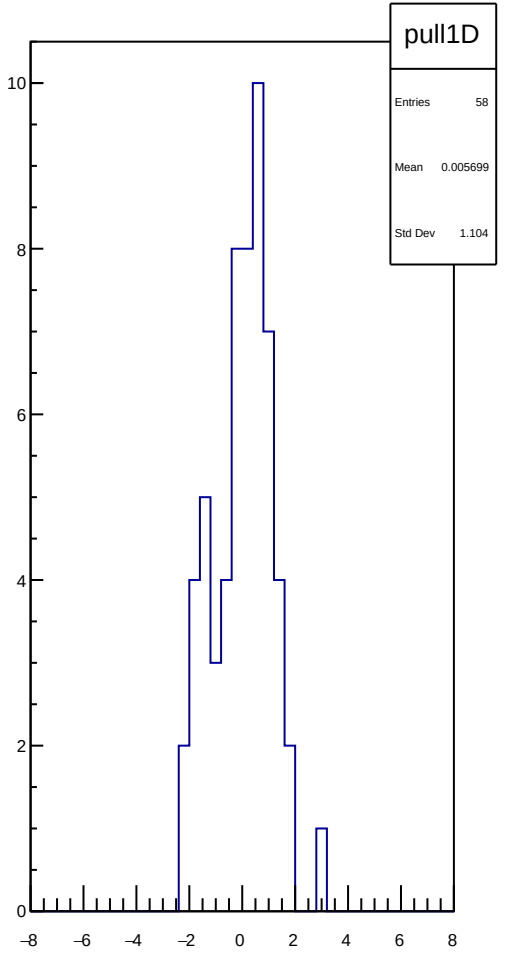

dit_asym_sam4_rms vs run
χ² / ndf 6.276e+04 / 57
p0 333.5 ± 0.3262
700
600
500
400
300

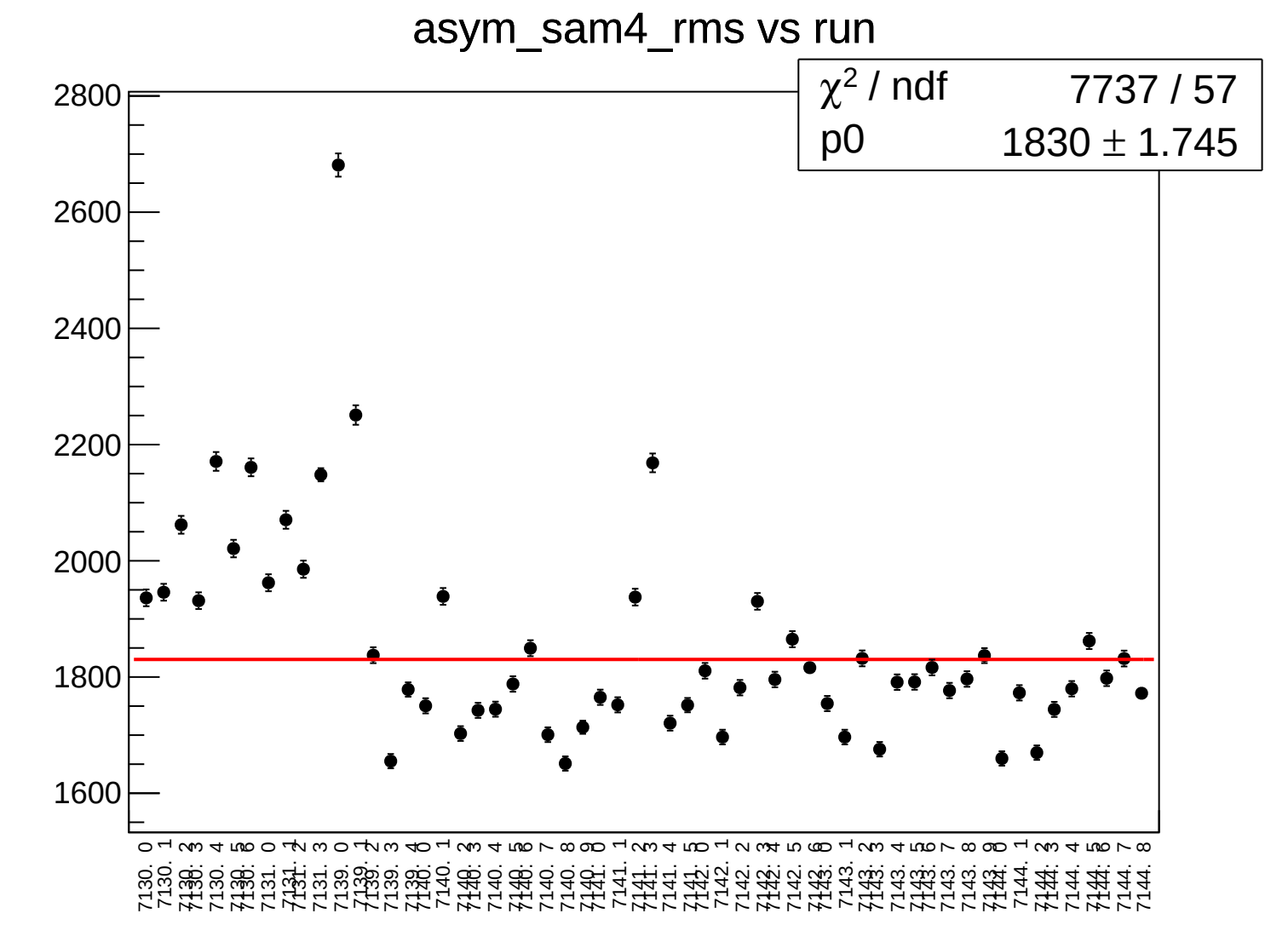

asym_sam4_correction_mean vs run
χ² / ndf 72.11 / 57
p0 2892 ± 2524
pull
Entries 58
Mean 358.3
Std Dev 326.1

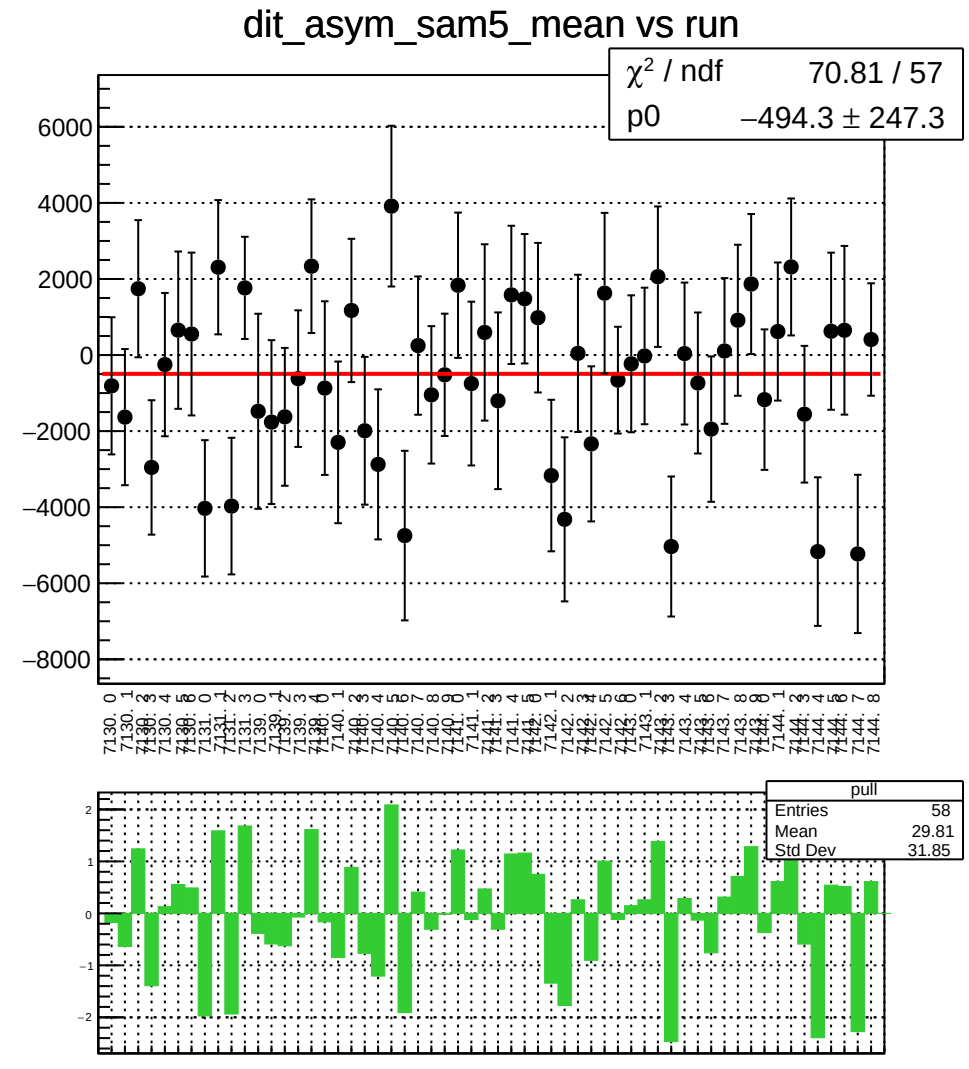

pull1D
Entries 58
Mean −0.007746
Std Dev 1.115

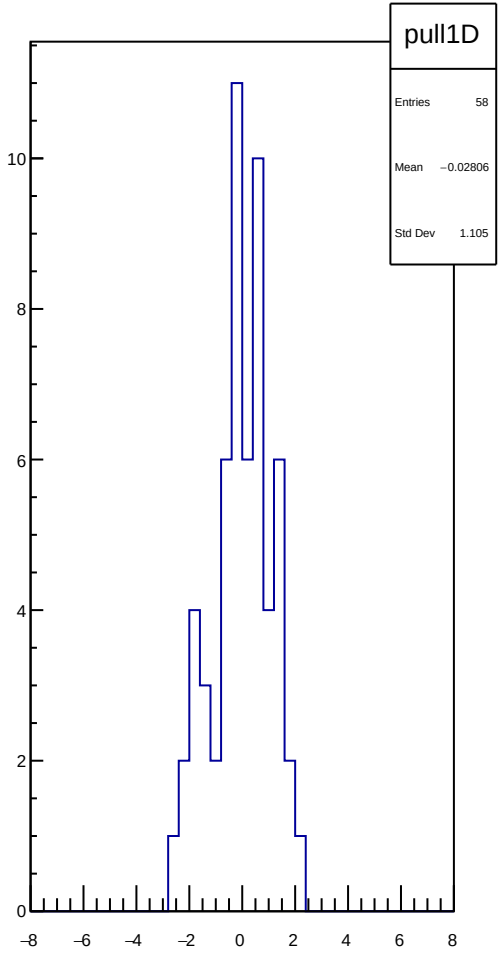

asym_sam4_correction_rms vs run
χ² / ndf 4481 / 57
p0 1875 ± 1.785
2300
2200
2100
2000
1900
1800
1700

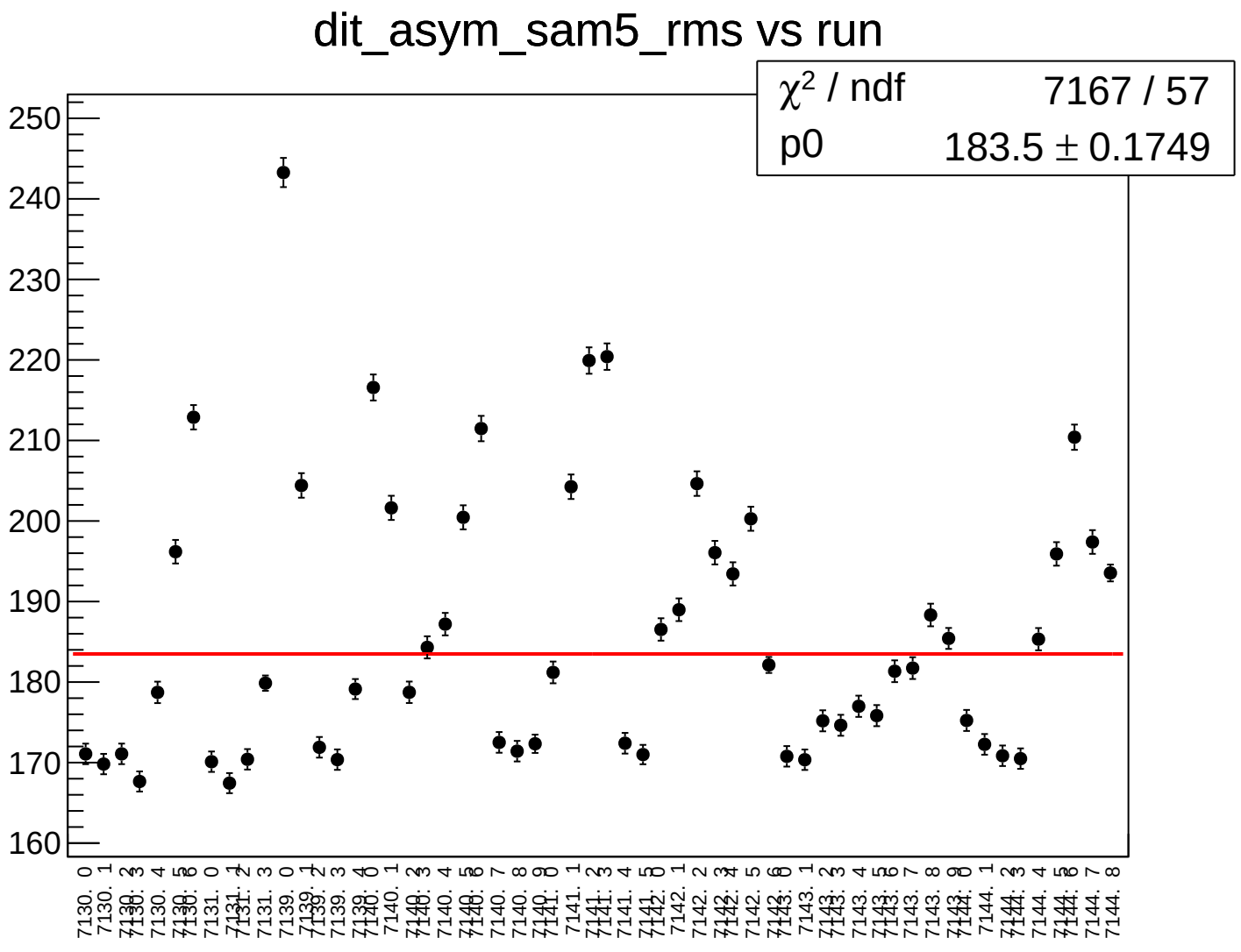

asym_sam4_mean vs run
χ² / ndf 70.69 / 57
p0 −3931 ± 2468
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 446.3
Std Dev 415
3
2
1
0
−1
−2

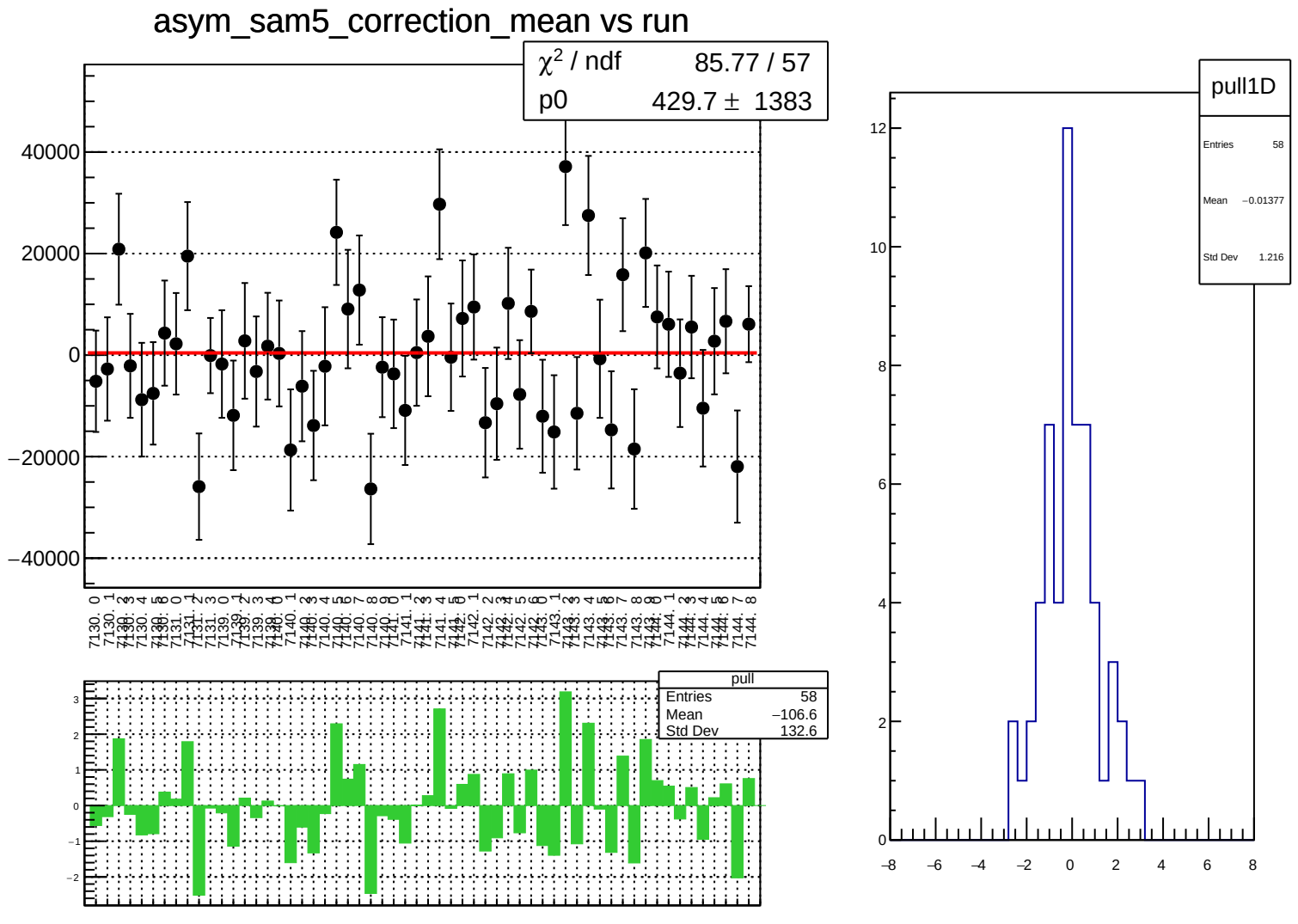

pull1D
Entries 58
Mean 0.005699
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

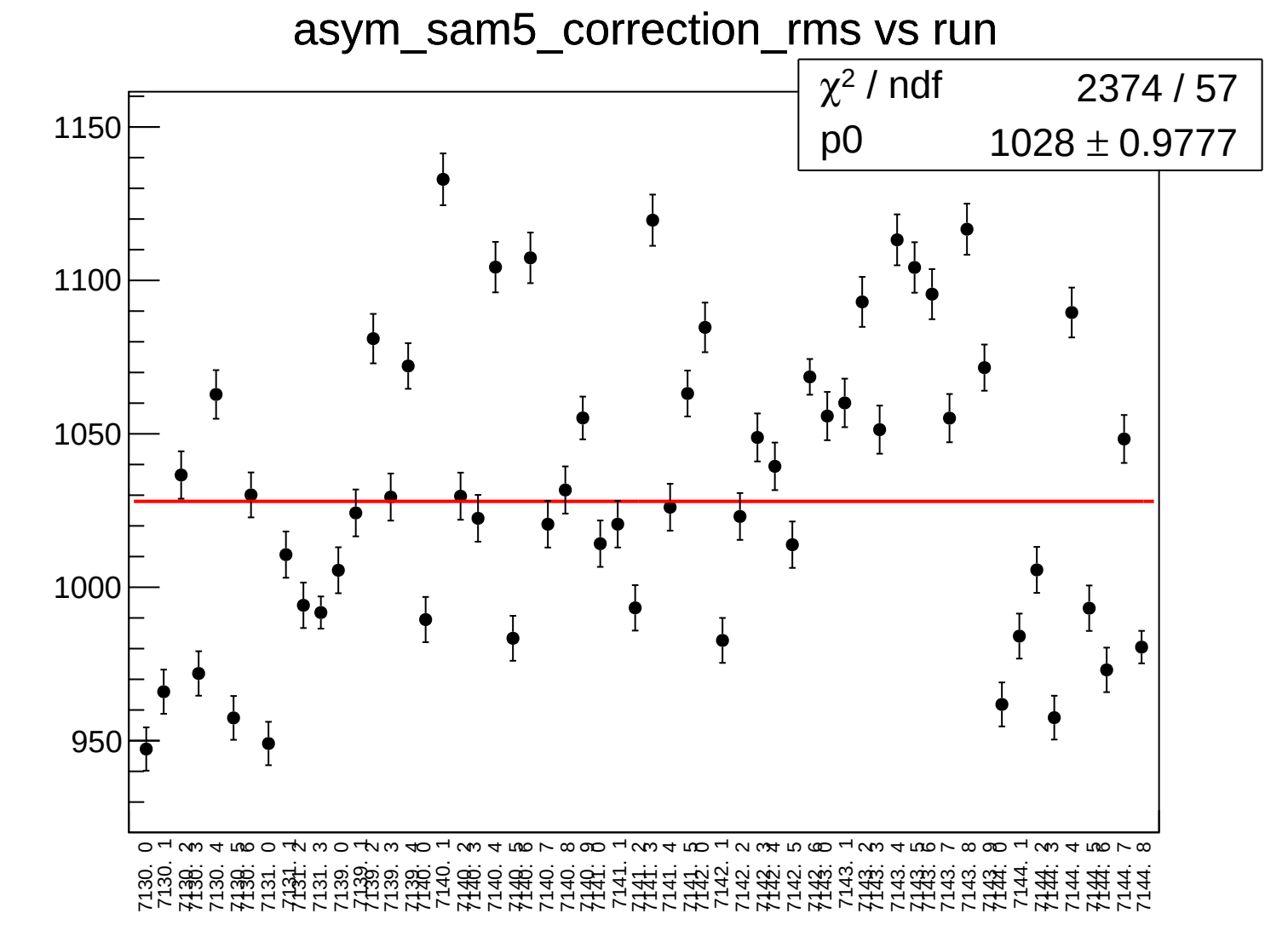

asym_sam4_rms vs run
χ^2 / ndf 7737 / 57
p0 1830 ± 1.745
2800
2600
2400
2200
2000
1800
1600

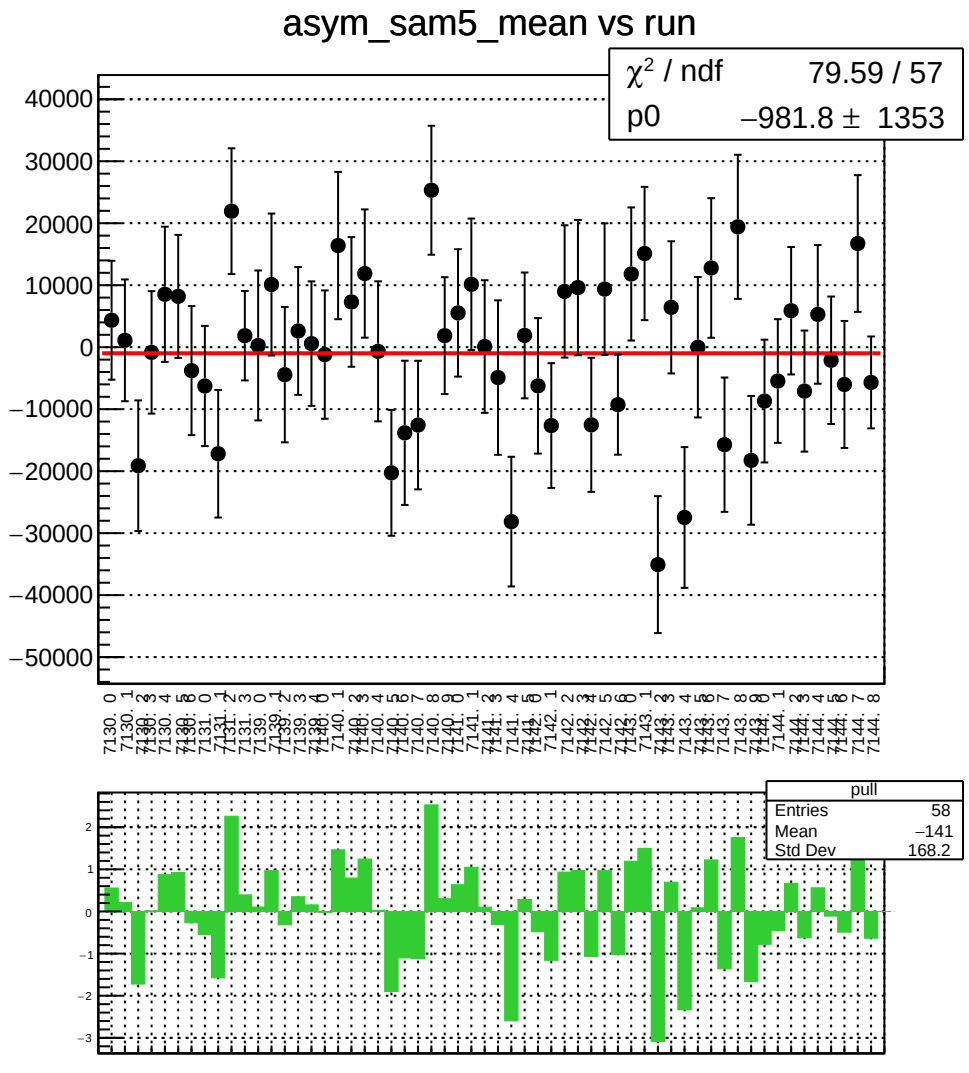

dit_asym_sam5_mean vs run
χ² / ndf 70.81 / 57
p0 −494.3 ± 247.3
pull
Entries 58
Mean 29.81
Std Dev 31.85

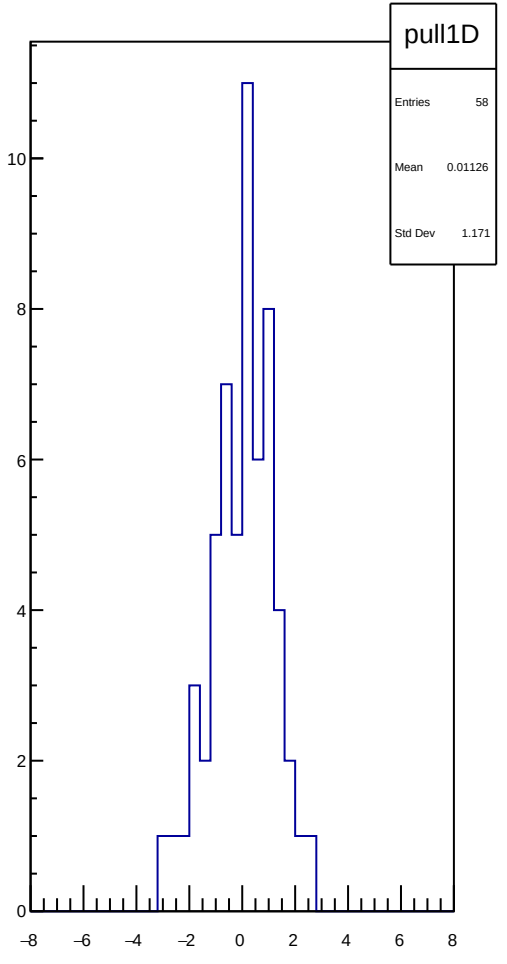

pull1D
Entries 58
Mean −0.02806
Std Dev 1.105

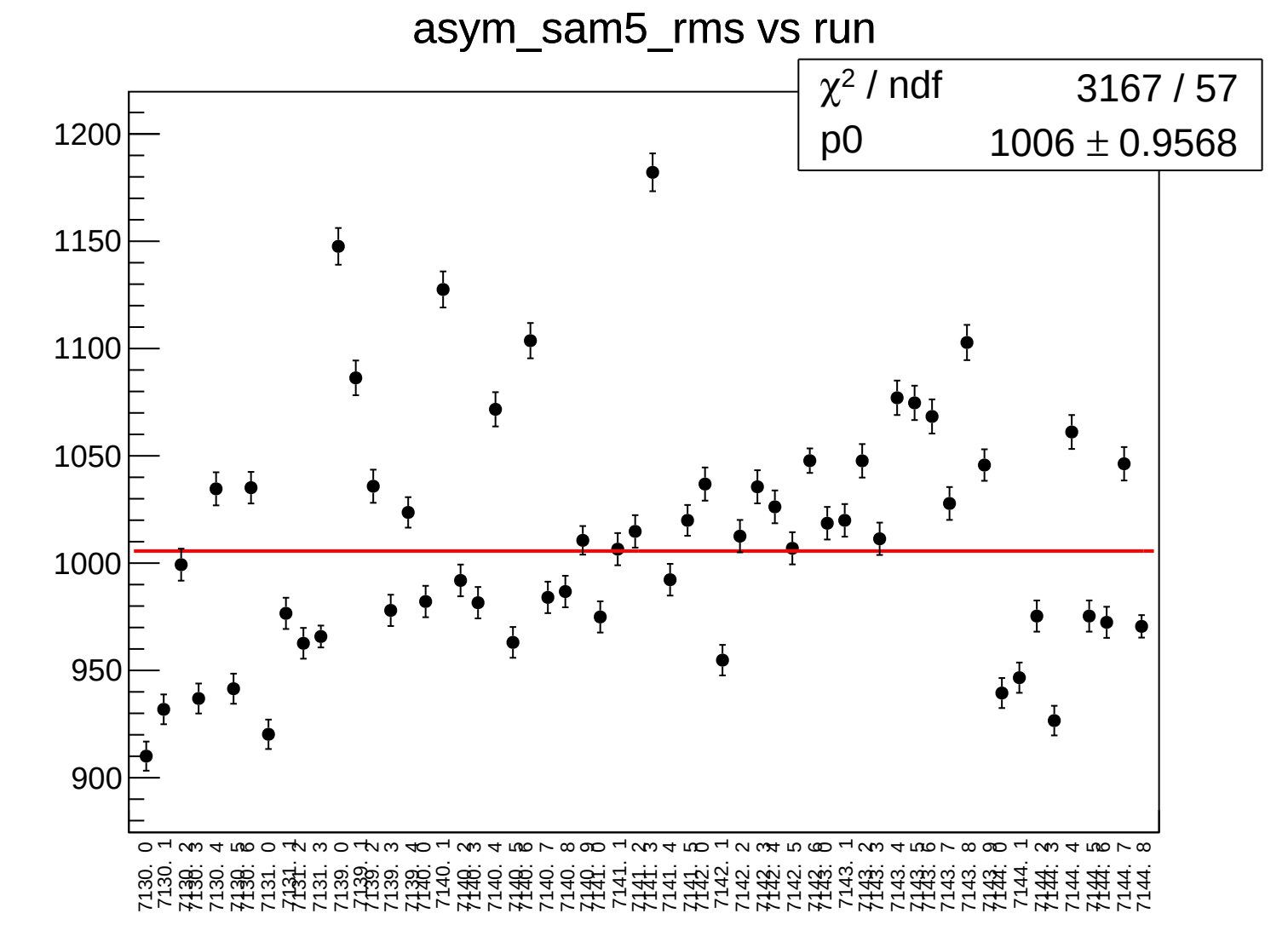

dit_asym_sam5_rms vs run
χ² / ndf 7167 / 57
p0 183.5 ± 0.1749
250
240
230
220
210
200
190
180
170
160

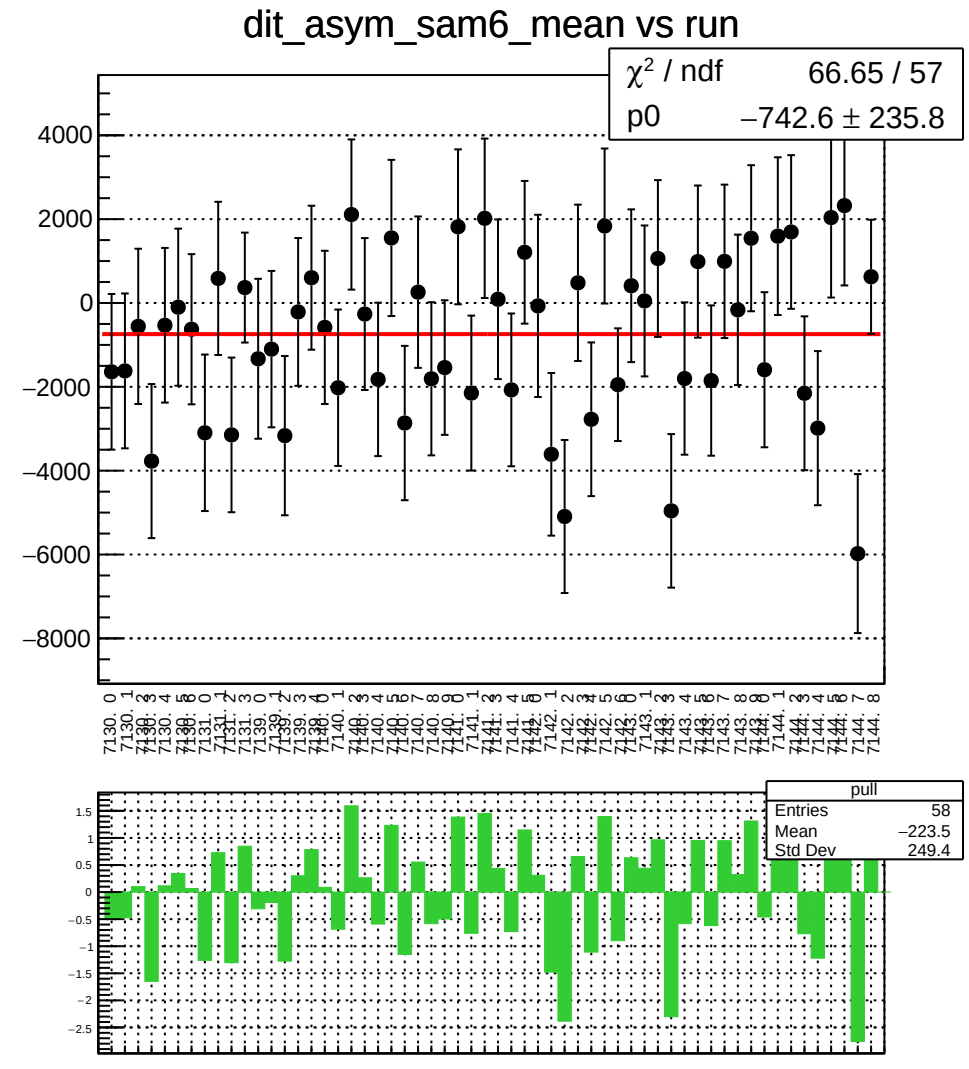

asym_sam5_correction_mean vs run
χ² / ndf 85.77 / 57
p0 429.7 ± 1383
40000
20000
0
−20000
−40000
pull
Entries 58
Mean −106.6
Std Dev 132.6
pull1D
Entries 58
Mean −0.01377
Std Dev 1.216

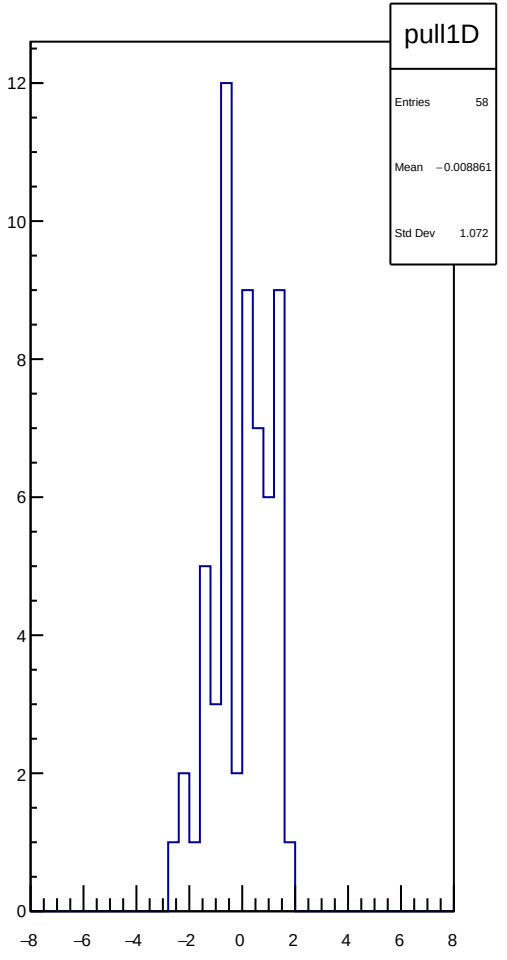

asym_sam5_correction_rms vs run
χ² / ndf 2374 / 57
p0 1028 ± 0.9777
1150
1100
1050
1000
950
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 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

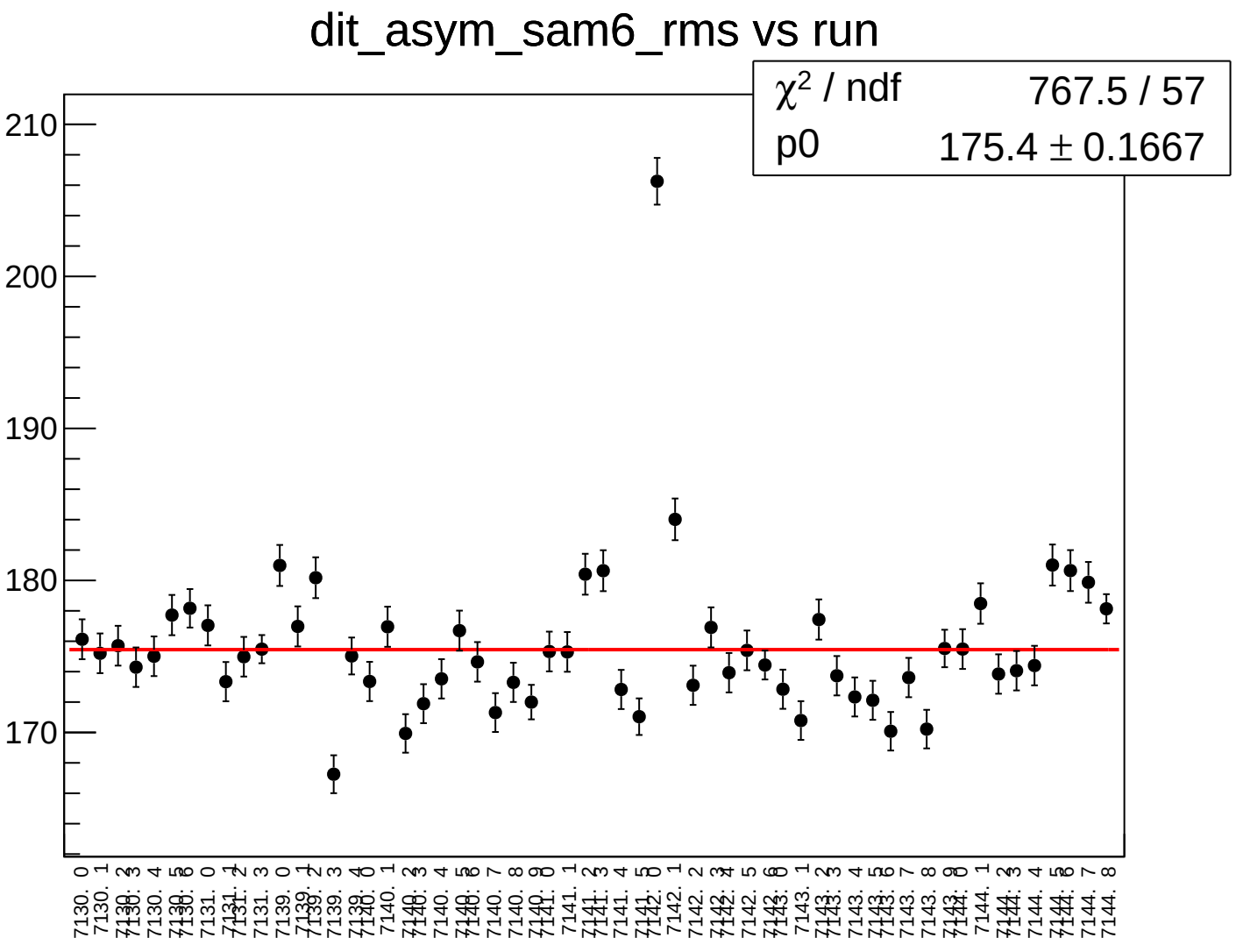

asym_sam5_mean vs run
χ² / ndf 79.59 / 57
p0 −981.8 ± 1353
pull
Entries 58
Mean −141
Std Dev 168.2

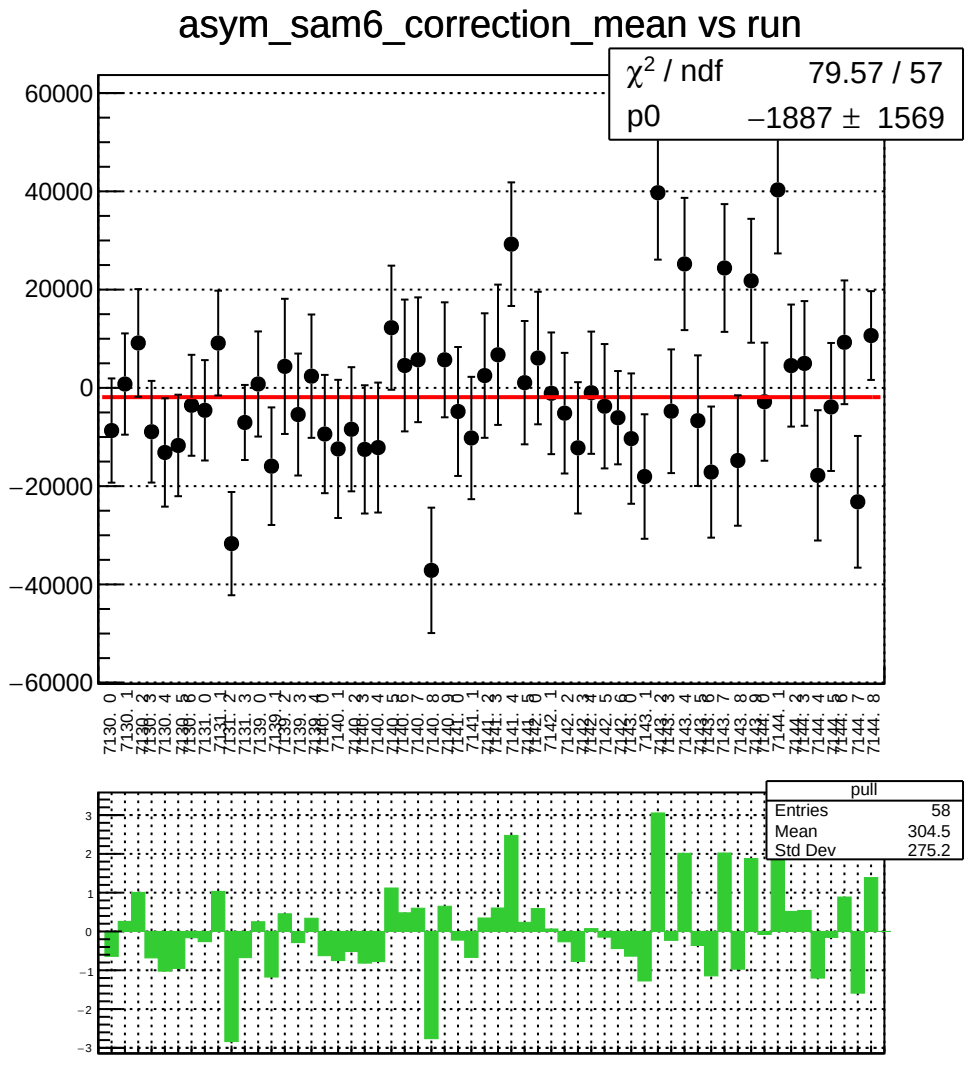

pull1D
Entries 58
Mean 0.01126
Std Dev 1.171

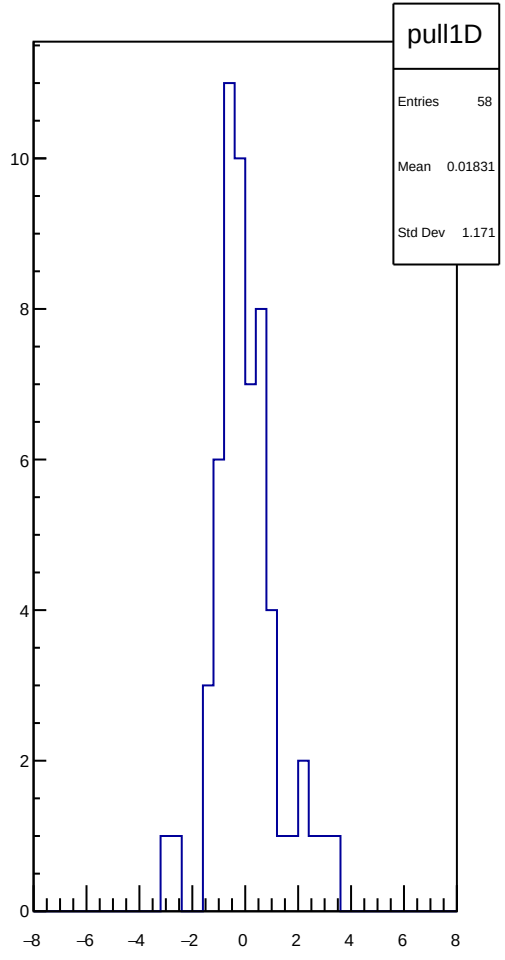

asym_sam5_rms vs run
χ² / ndf 3167 / 57
p0 1006 ± 0.9568
1200
1150
1100
1050
1000
950
900

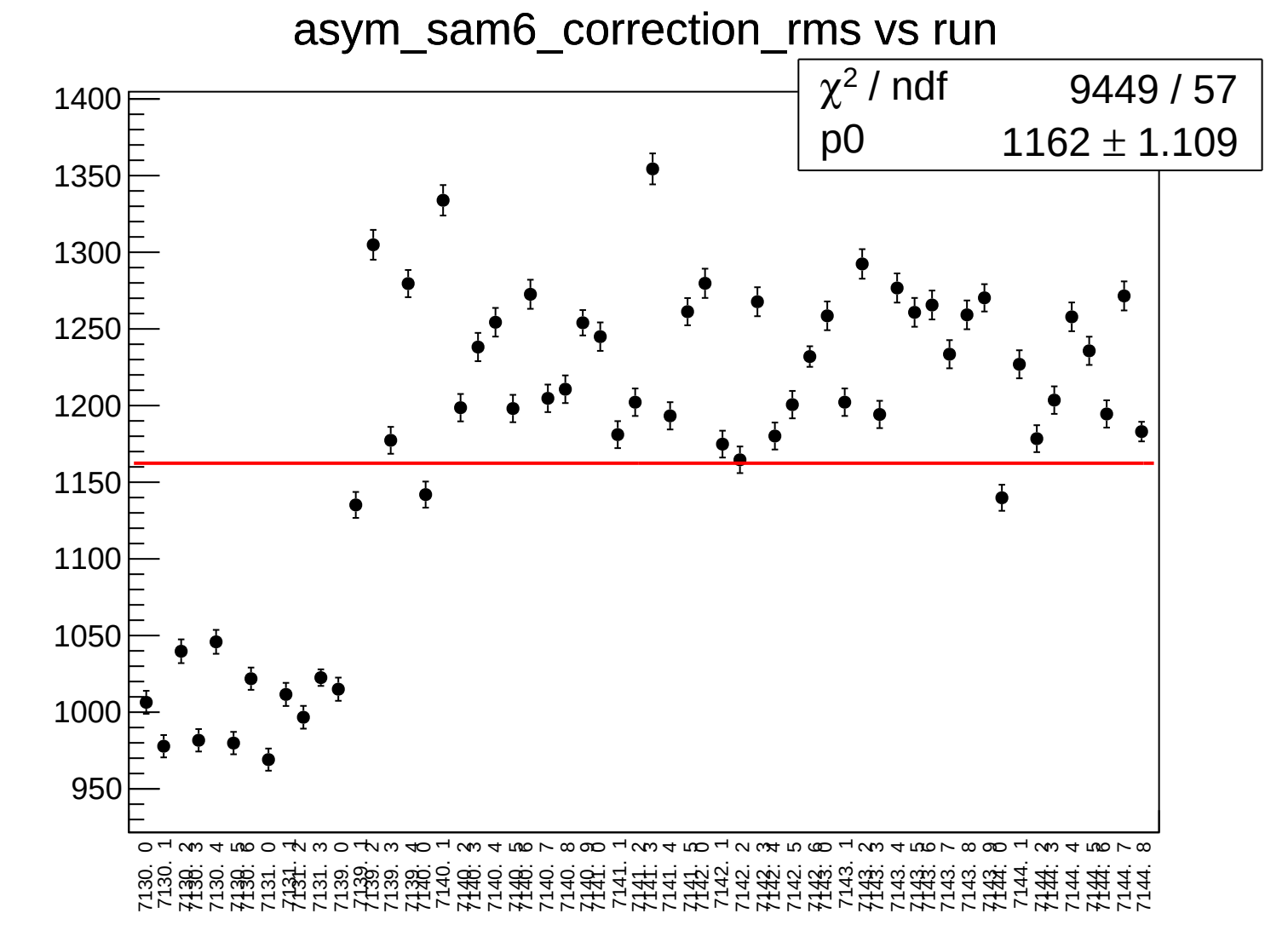

dit_asym_sam6_mean vs run
χ² / ndf 66.65 / 57
p0 −742.6 ± 235.8
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 58
Mean −223.5
Std Dev 249.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

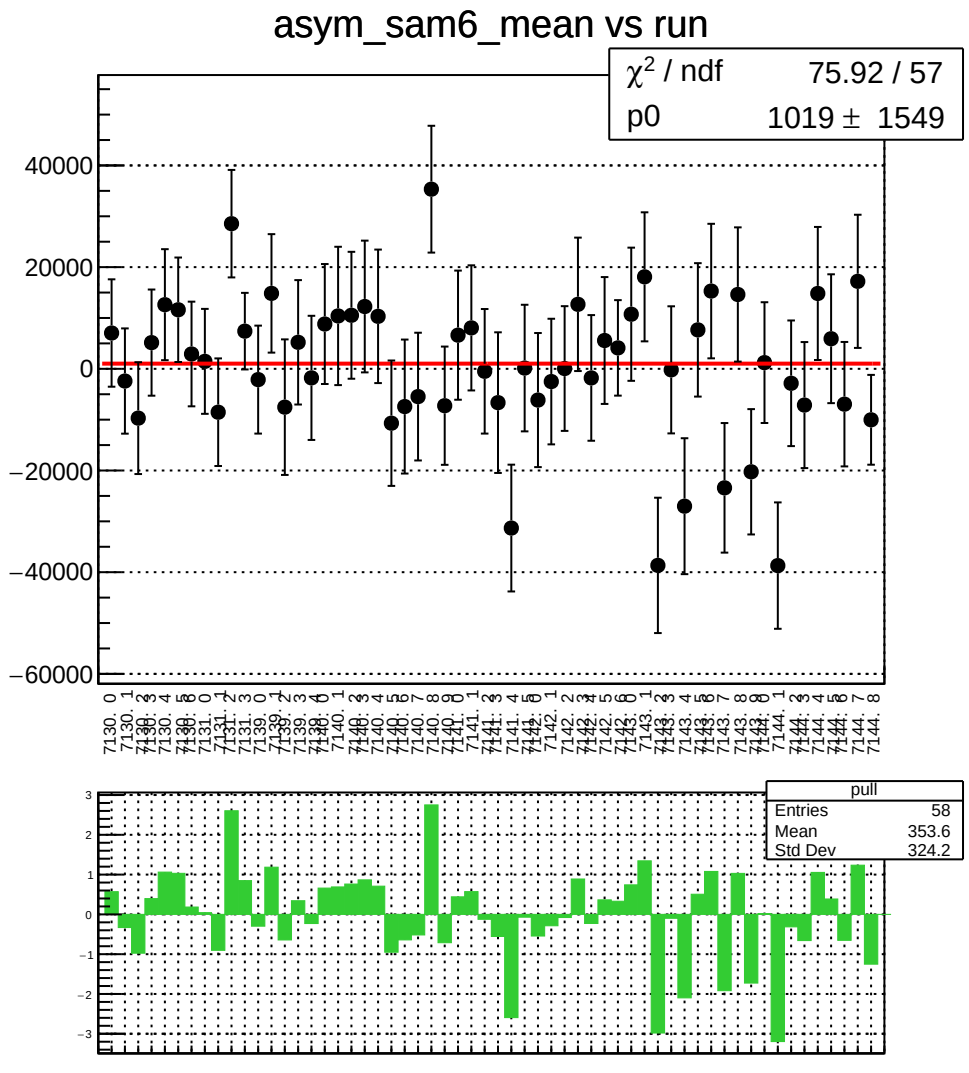

pull1D
Entries 58
Mean −0.008861
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

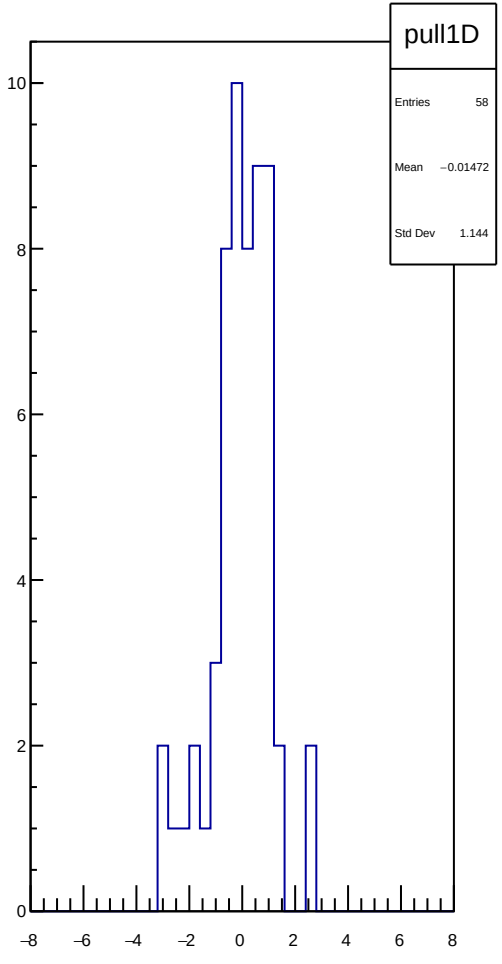

dit_asym_sam6_rms vs run
χ² / ndf 767.5 / 57
p0 175.4 ± 0.1667
210
200
190
180
170

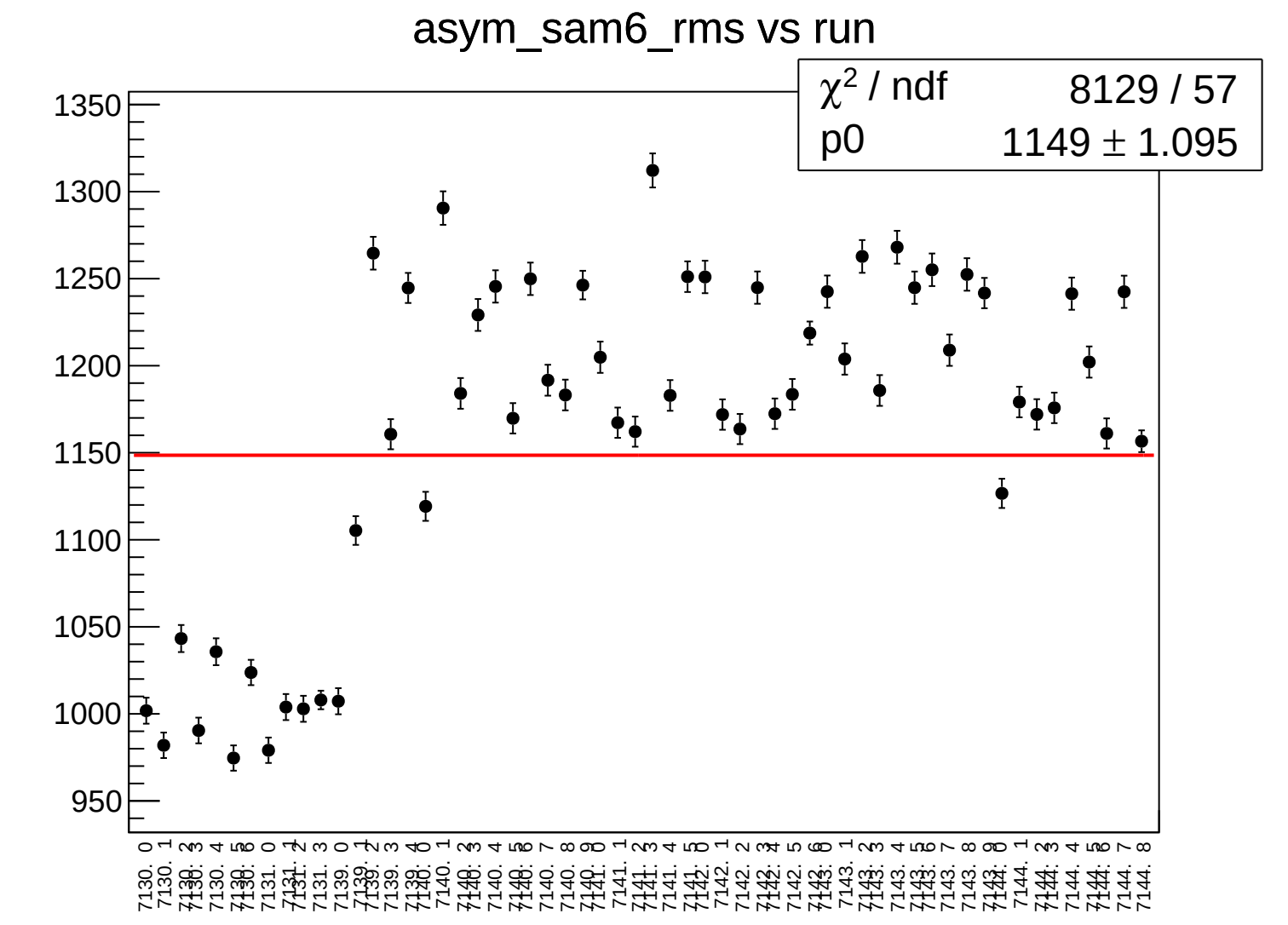

asym_sam6_correction_mean vs run
χ² / ndf 79.57 / 57
p0 −1887 ± 1569
pull
Entries 58
Mean 304.5
Std Dev 275.2

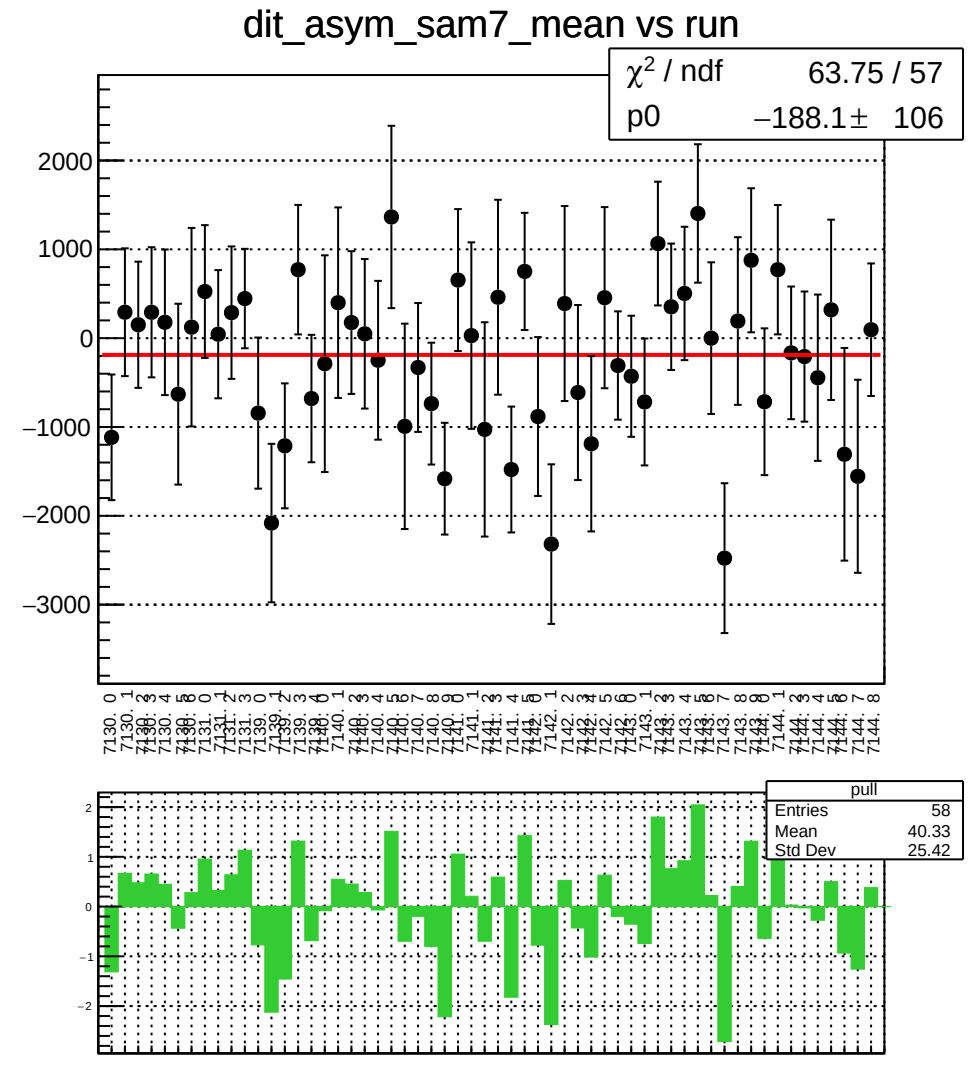

pull1D
Entries 58
Mean 0.01831
Std Dev 1.171

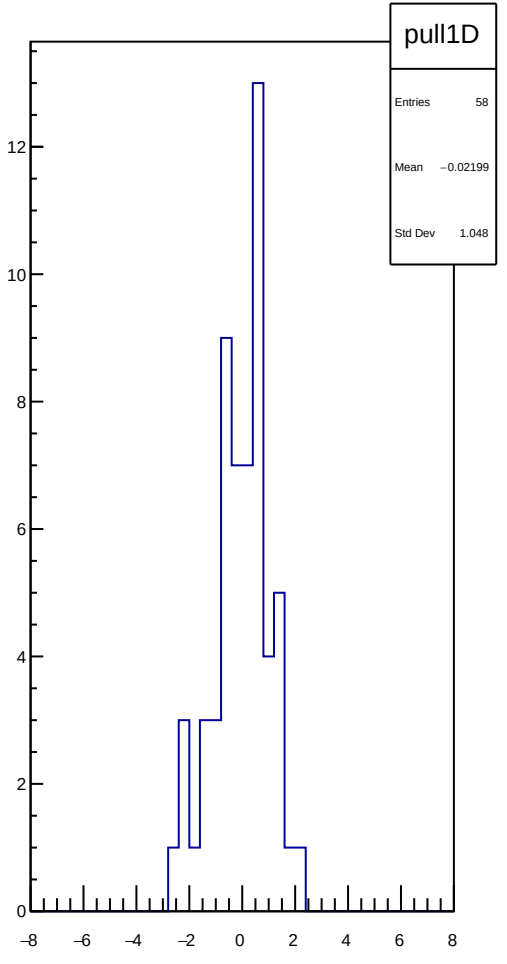

asym_sam6_correction_rms vs run
χ² / ndf 9449 / 57
p0 1162 ± 1.109
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

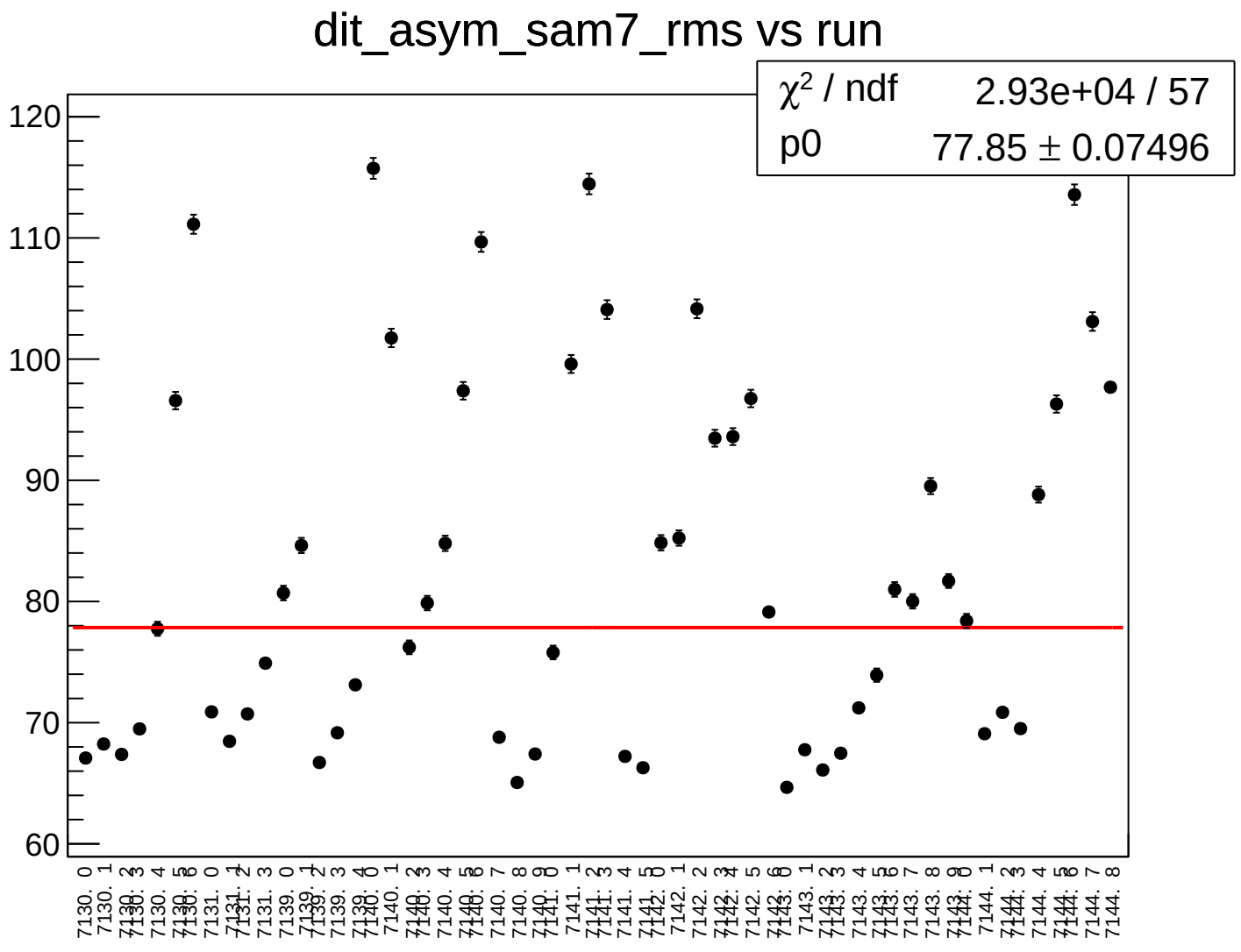

asym_sam6_mean vs run
χ² / ndf 75.92 / 57
p0 1019 ± 1549
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 353.6
Std Dev 324.2
3
2
1
0
−1
−2
−3

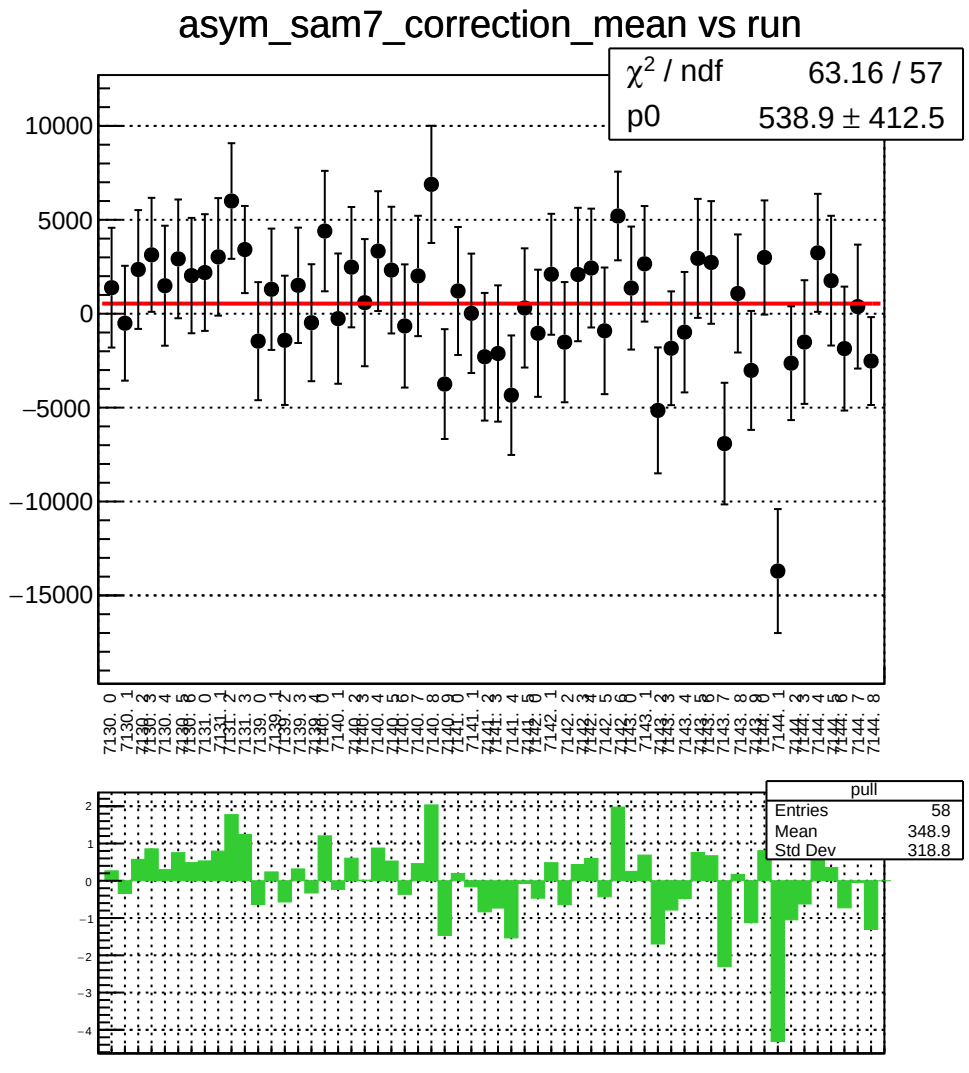

pull1D
Entries 58
Mean −0.01472
Std Dev 1.144
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

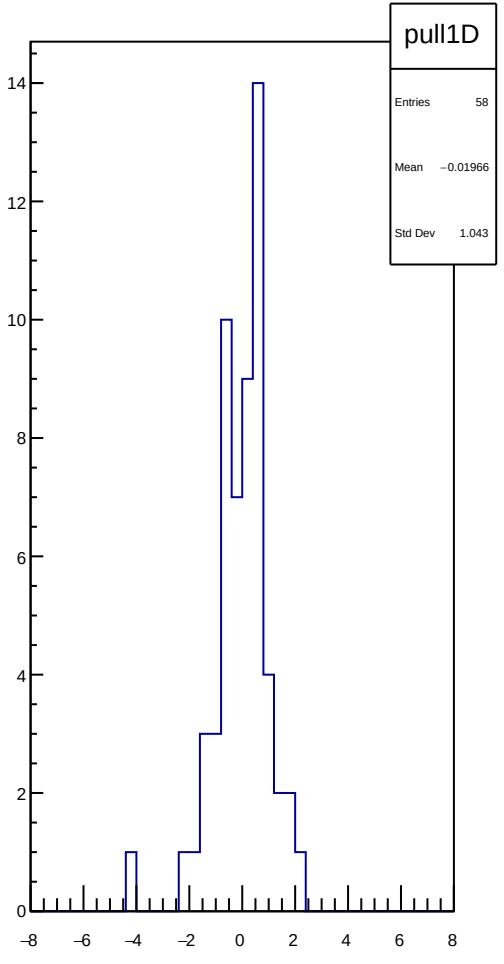

asym_sam6_rms vs run
χ² / ndf 8129 / 57
p0 1149 ± 1.095
1350
1300
1250
1200
1150
1100
1050
1000
950

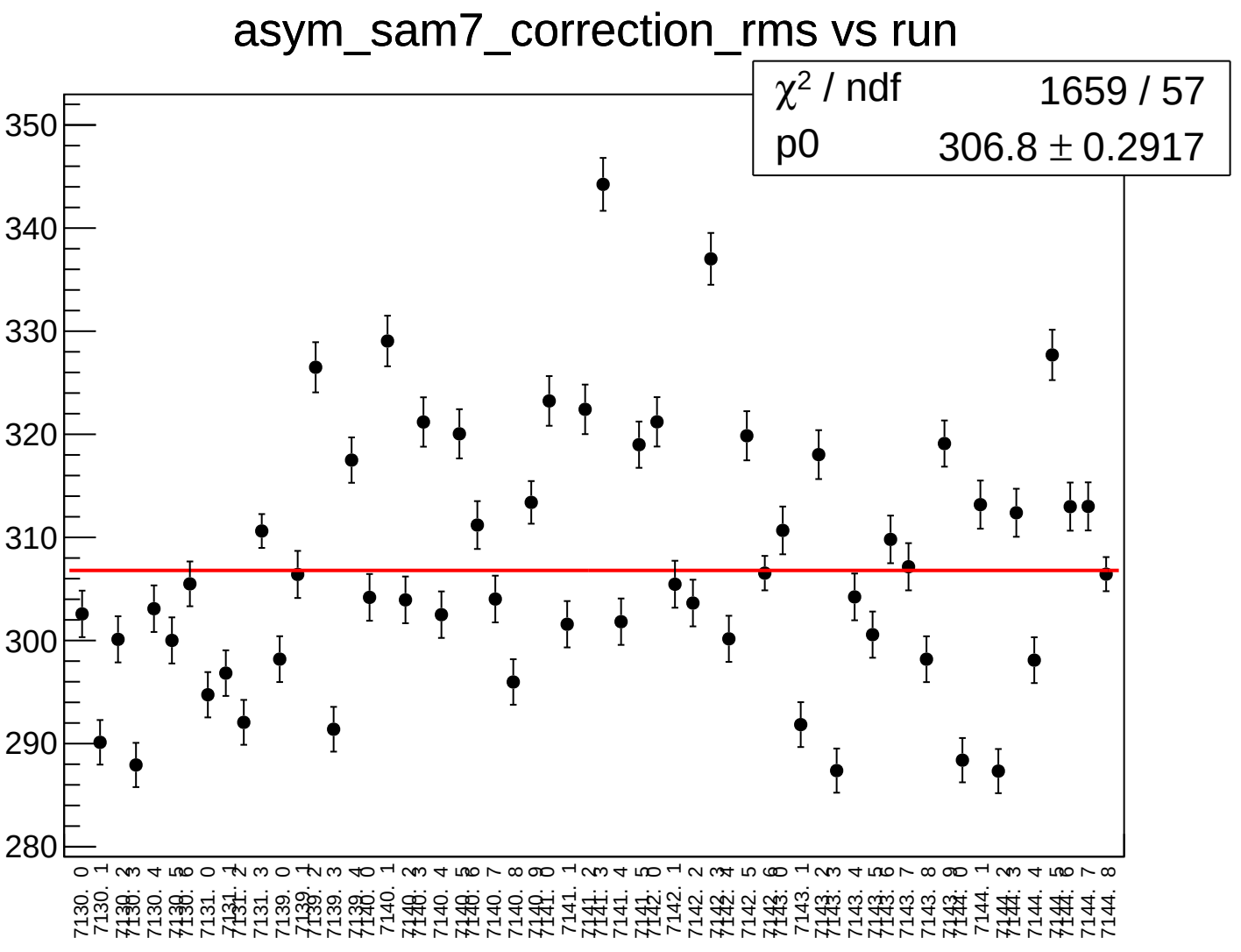

dit_asym_sam7_mean vs run
χ² / ndf 63.75 / 57
p0 −188.1± 106
2000
1000
0
−1000
−2000
−3000
pull
Entries 58
Mean 40.33
Std Dev 25.42
2
1
0
−1
−2

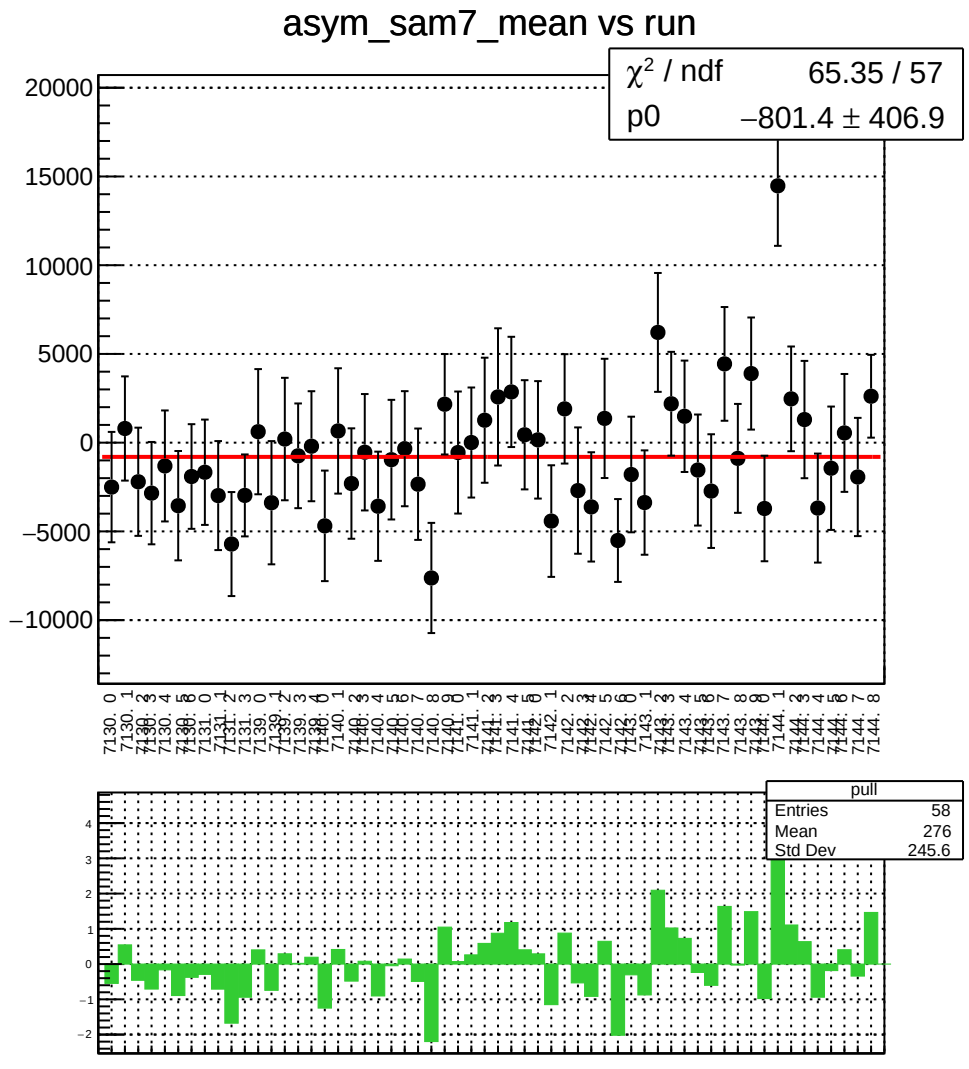

pull1D
Entries 58
Mean −0.02199
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

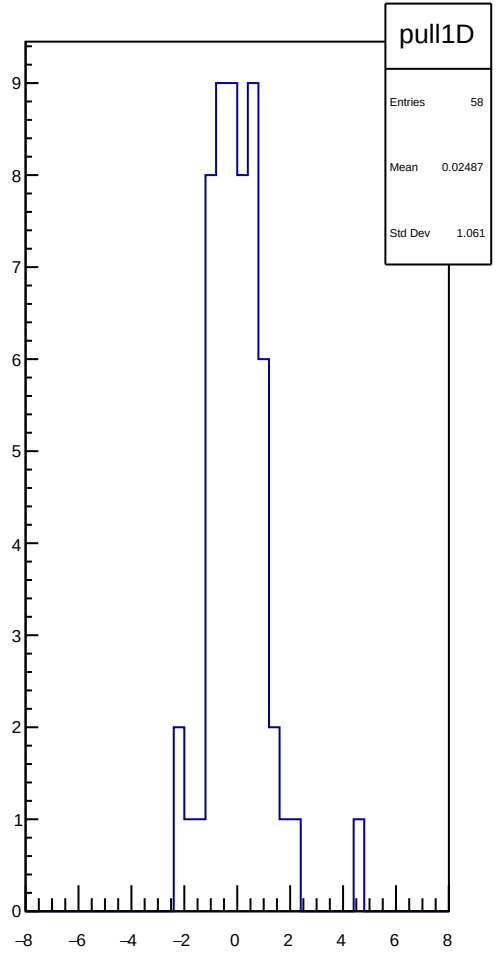

dit_asym_sam7_rms vs run
χ^2 / ndf 2.93e+04 / 57
p0 77.85 ± 0.07496
120
110
100
90
80
70
60

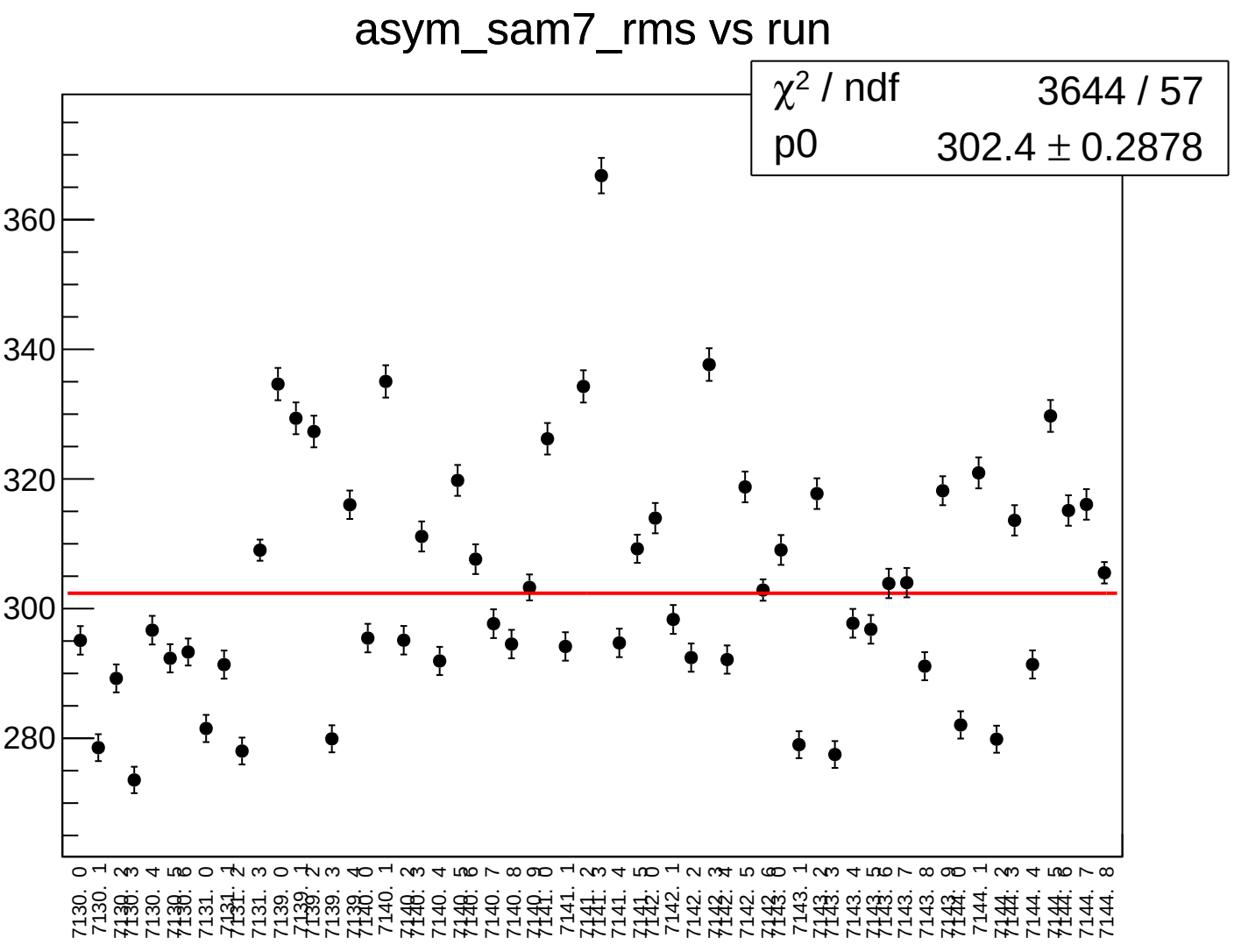

asym_sam7_correction_mean vs run
χ^2 / ndf 63.16 / 57
p0 538.9 ± 412.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 348.9
Std Dev 318.8
2
1
0
−1
−2
−3
−4

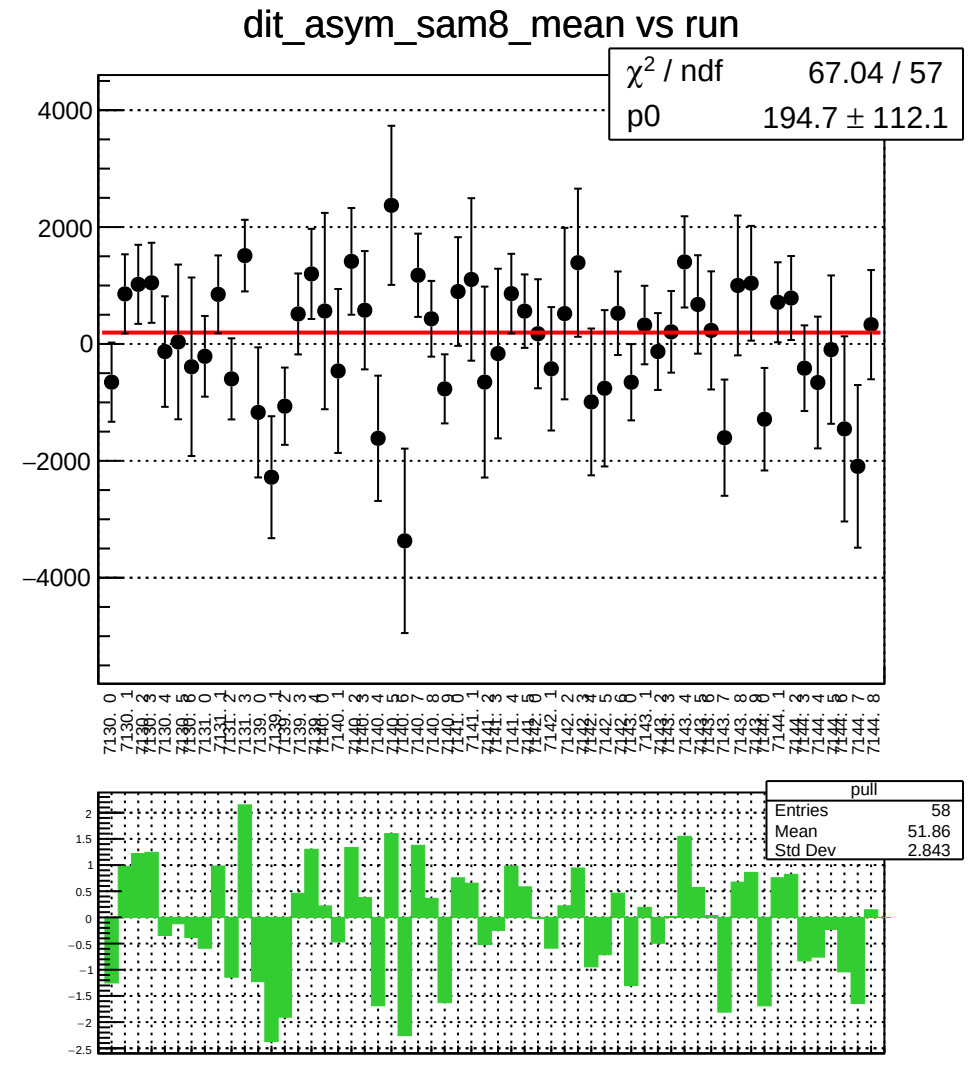

pull1D
Entries 58
Mean −0.01966
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

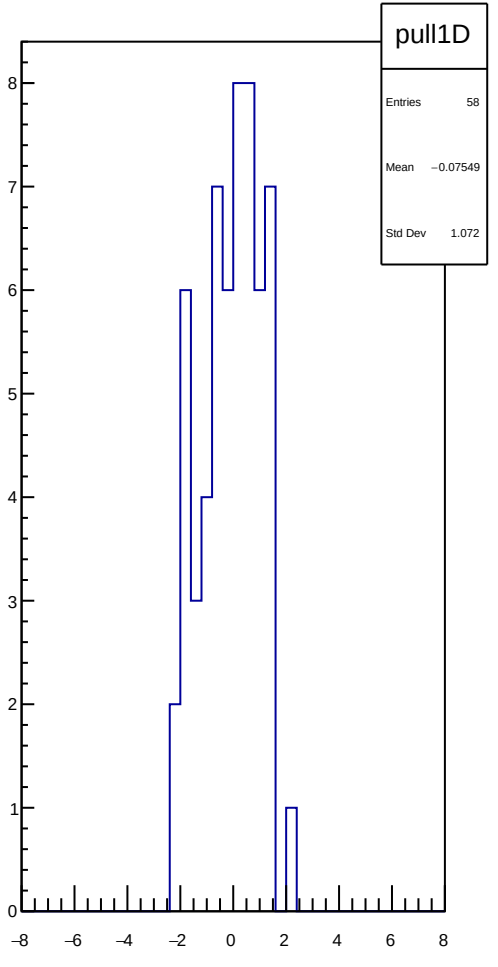

asym_sam7_correction_rms vs run
χ² / ndf 1659 / 57
p0 306.8 ± 0.2917
350
340
330
320
310
300
290
280
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
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

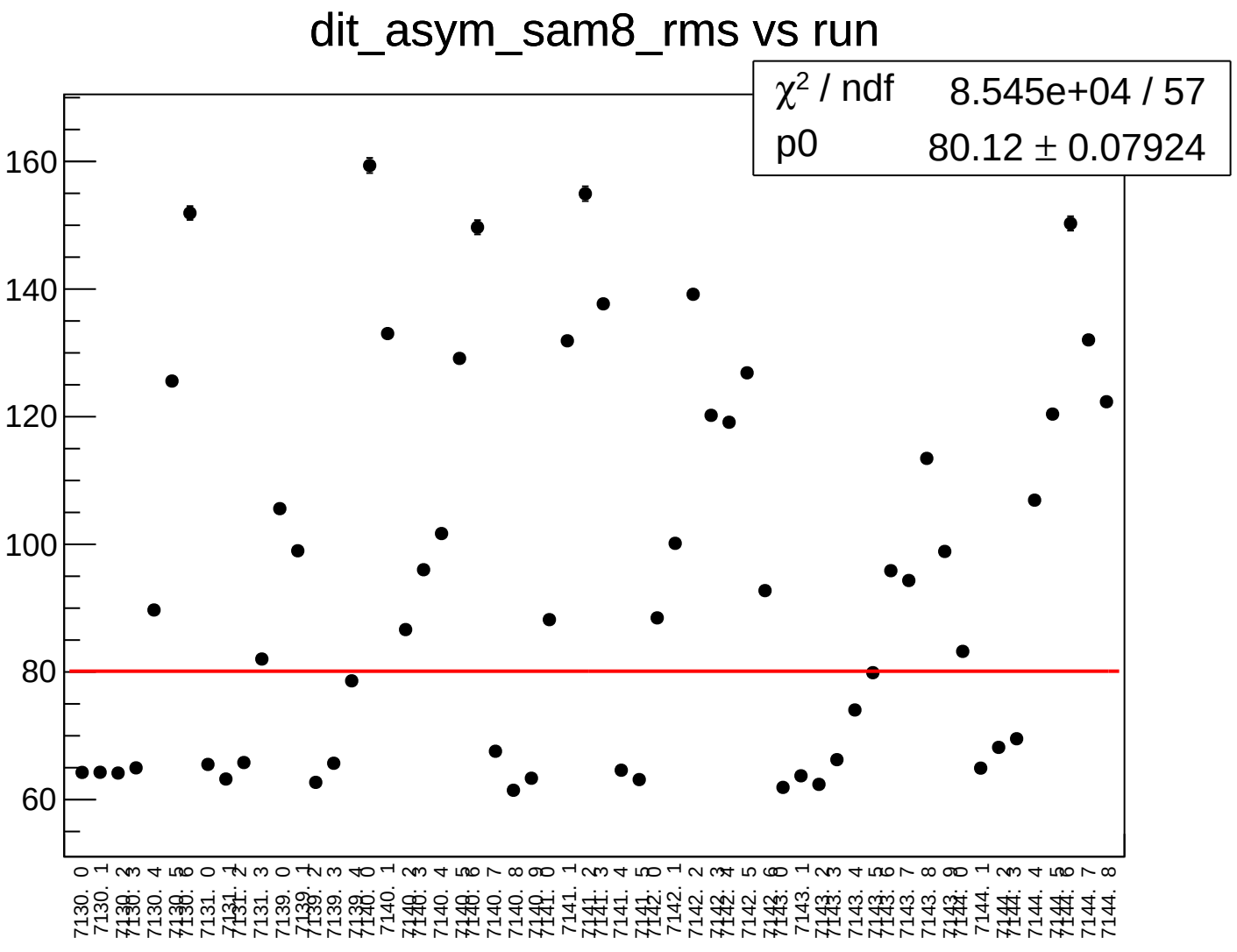

asym_sam7_mean vs run
χ² / ndf 65.35 / 57
p0 −801.4 ± 406.9
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 276
Std Dev 245.6
4
3
2
1
0
−1
−2

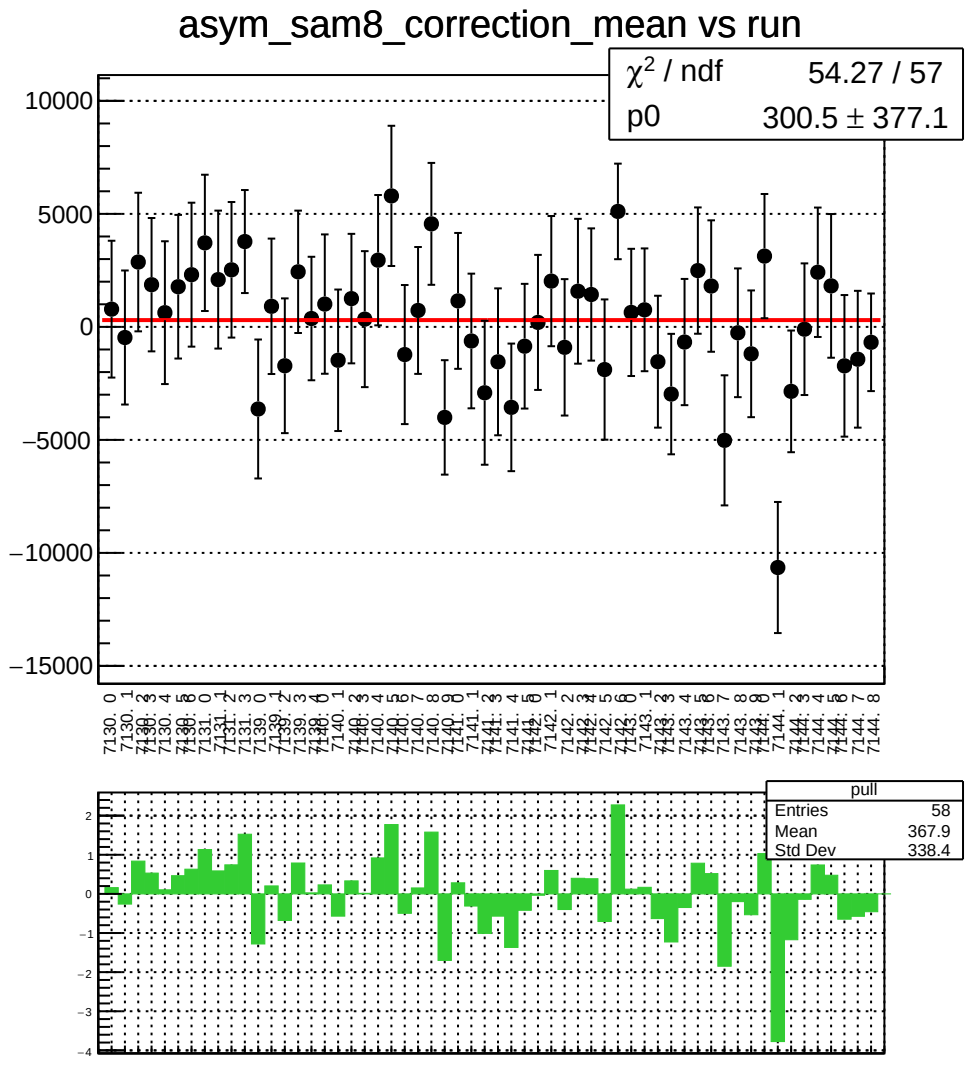

pull1D
Entries 58
Mean 0.02487
Std Dev 1.061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

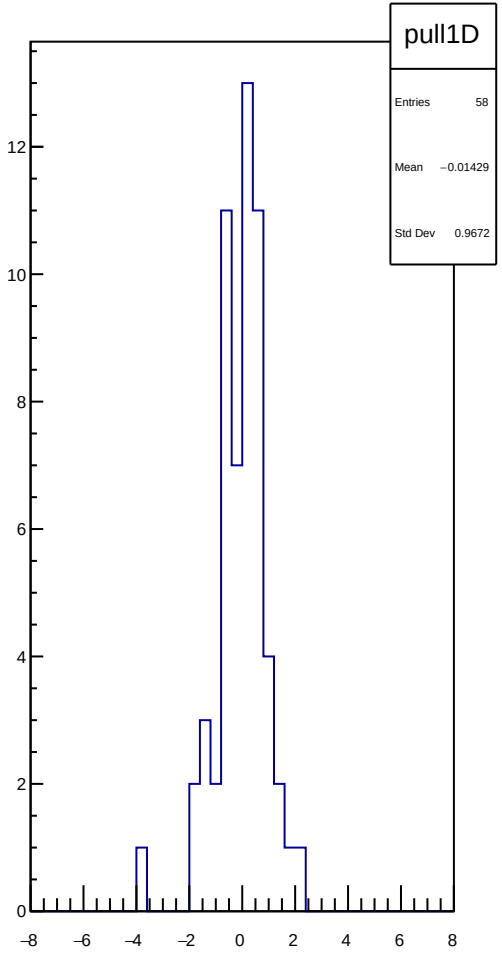

asym_sam7_rms vs run
χ² / ndf 3644 / 57
p0 302.4 ± 0.2878
360
340
320
300
280

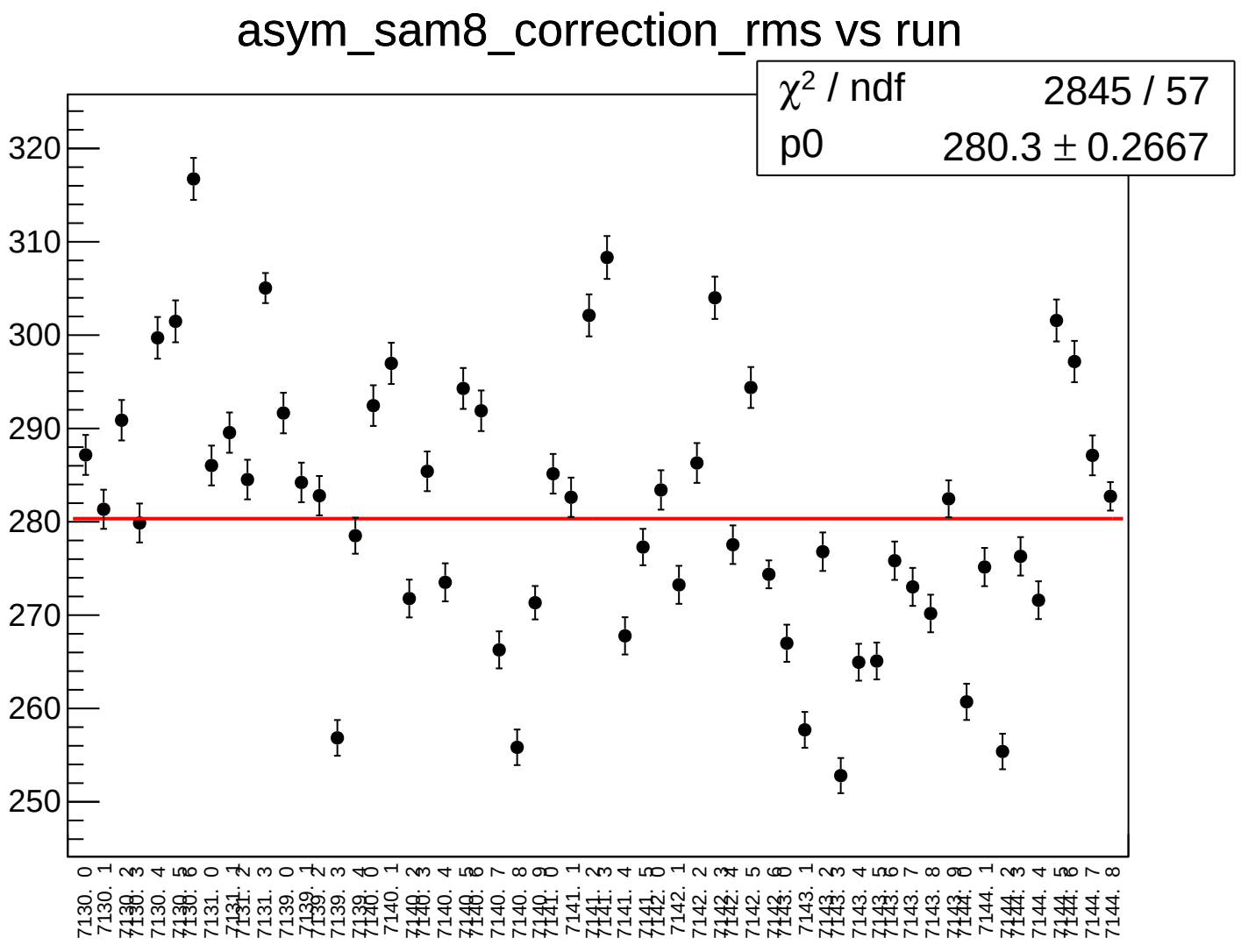

dit_asym_sam8_mean vs run
χ² / ndf 67.04 / 57
p0 194.7 ± 112.1
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 51.86
Std Dev 2.843
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

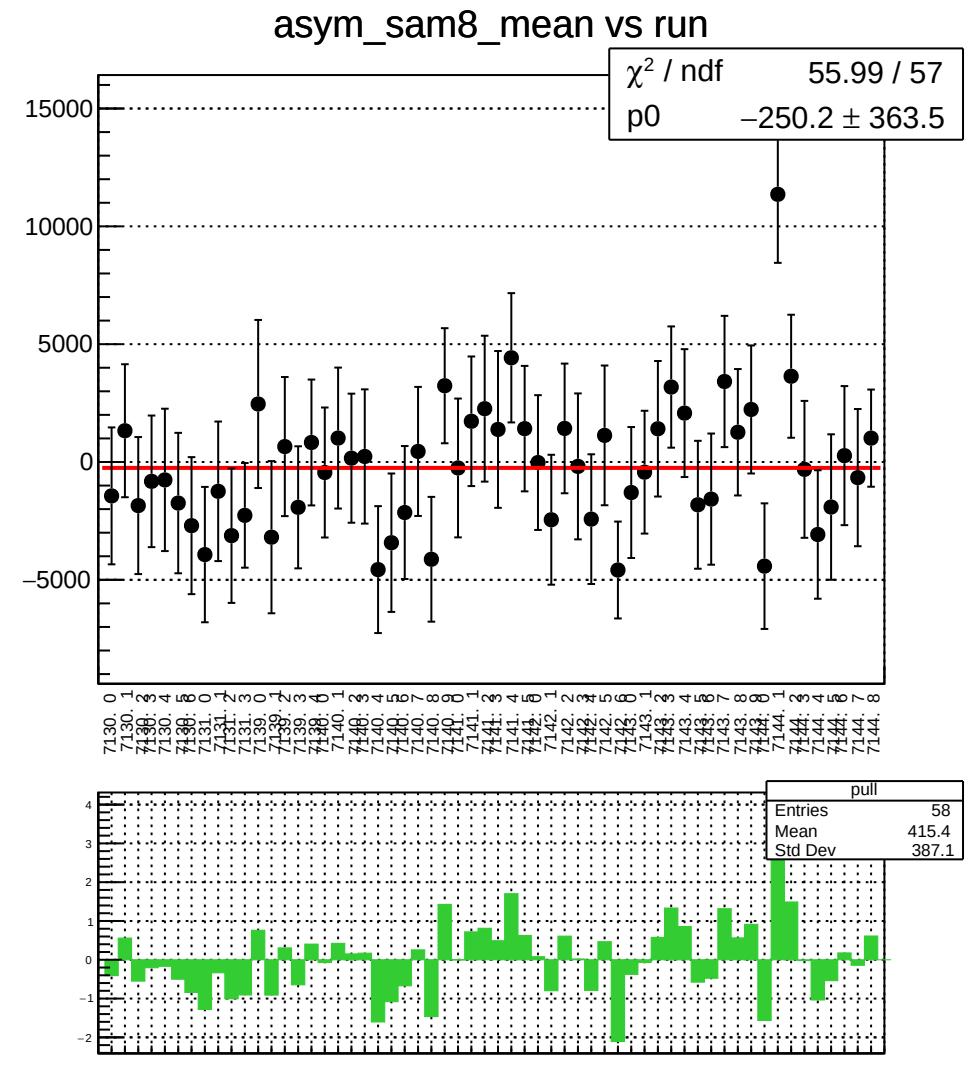

pull1D
Entries 58
Mean −0.07549
Std Dev 1.072
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

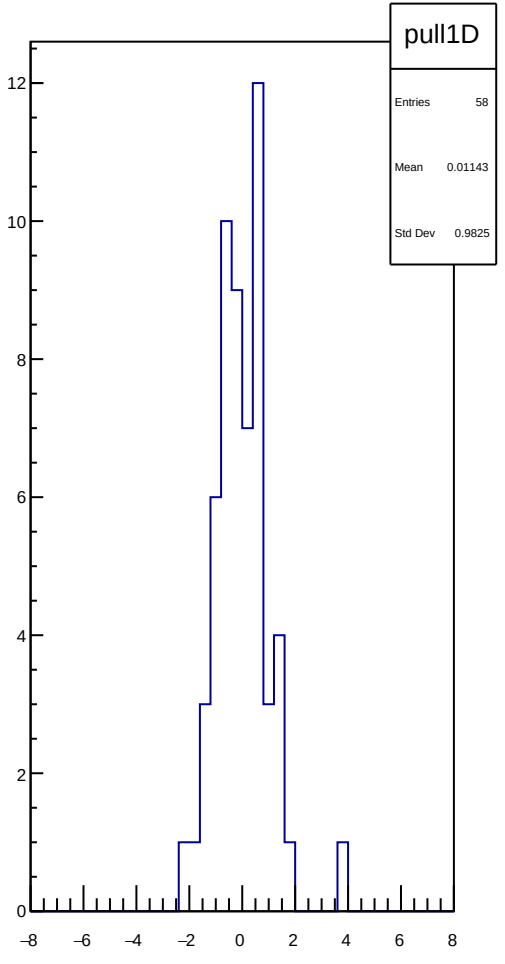

dit_asym_sam8_rms vs run
χ² / ndf 8.545e+04 / 57
p0 80.12 ± 0.07924
160
140
120
100
80
60

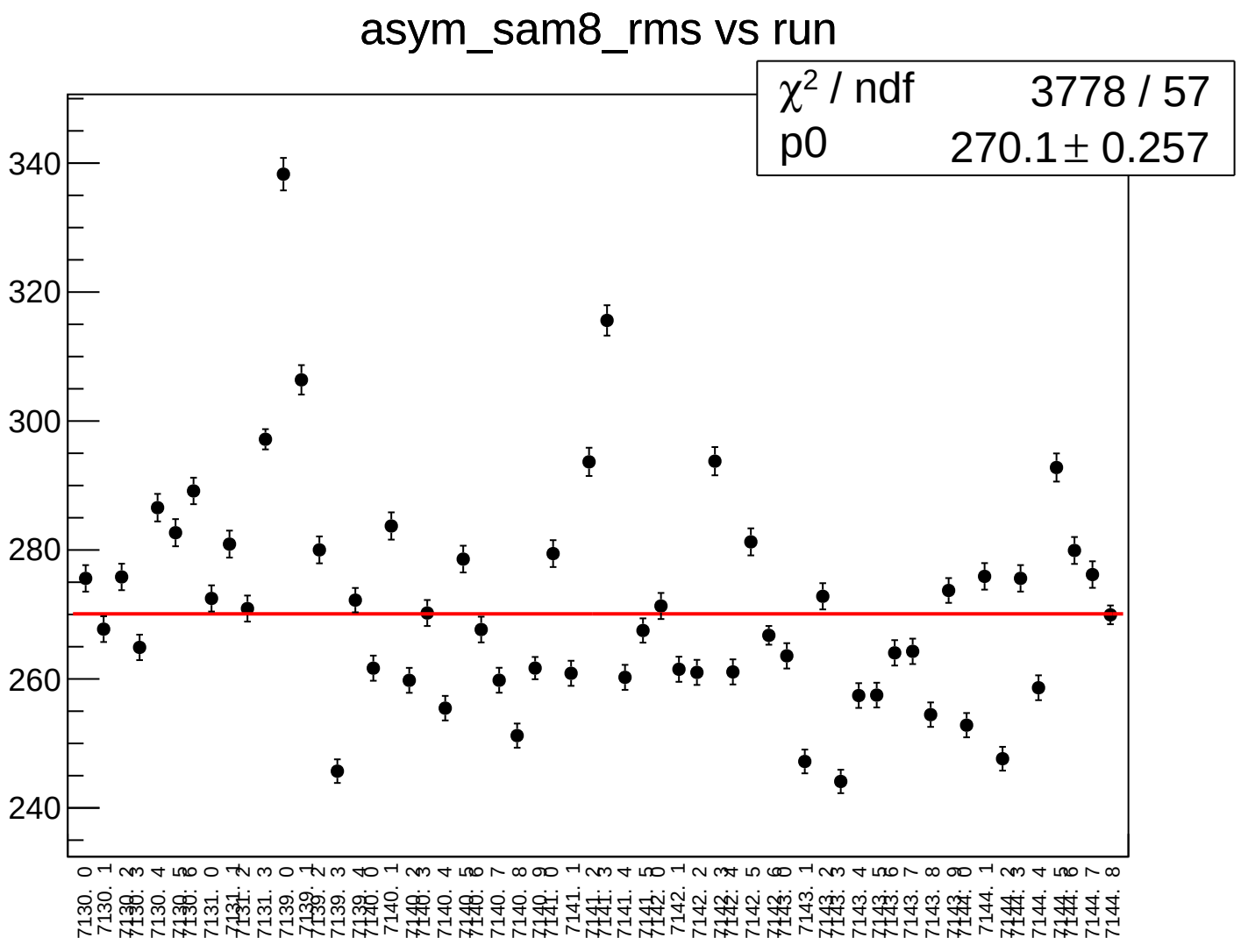

asym_sam8_correction_mean vs run
χ^2 / ndf 54.27 / 57
p0 300.5 ± 377.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 367.9
Std Dev 338.4
2
1
0
−1
−2
−3
−4

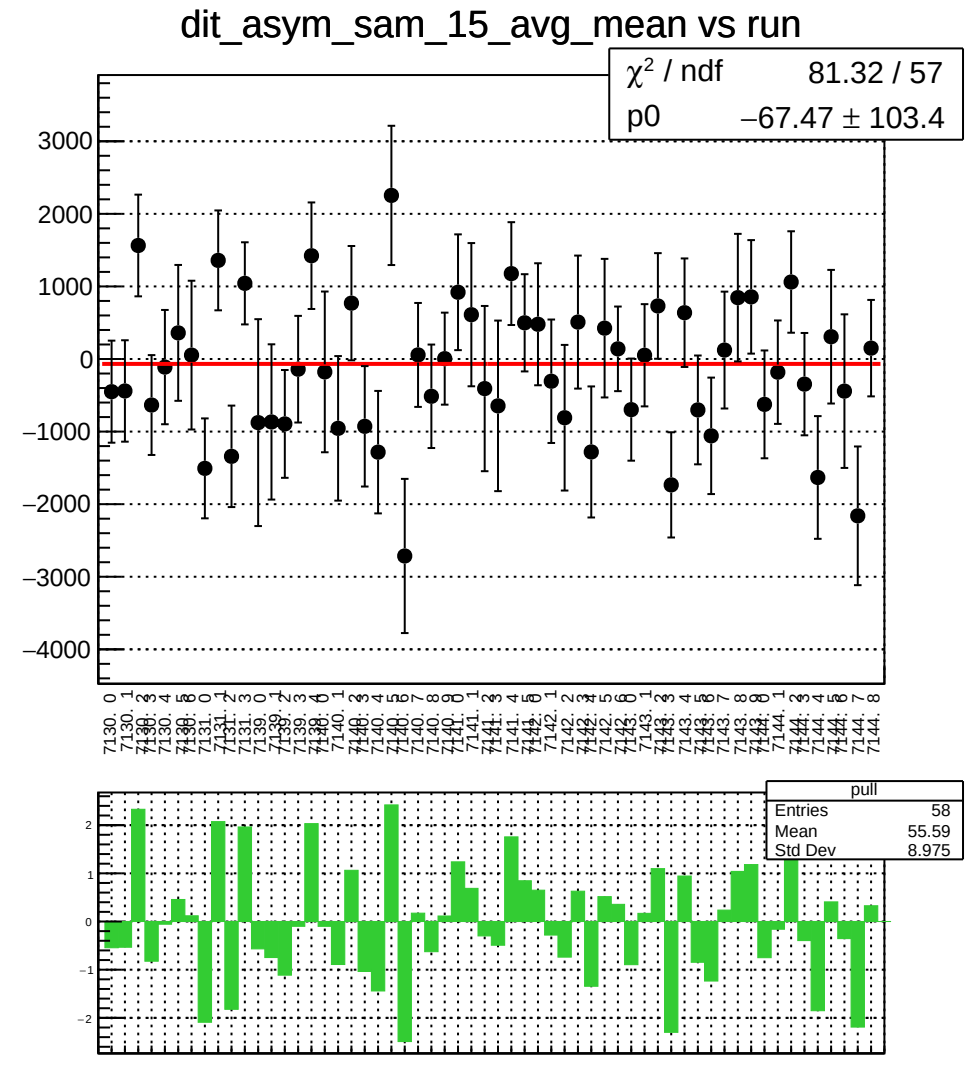

pull1D
Entries 58
Mean −0.01429
Std Dev 0.9672
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

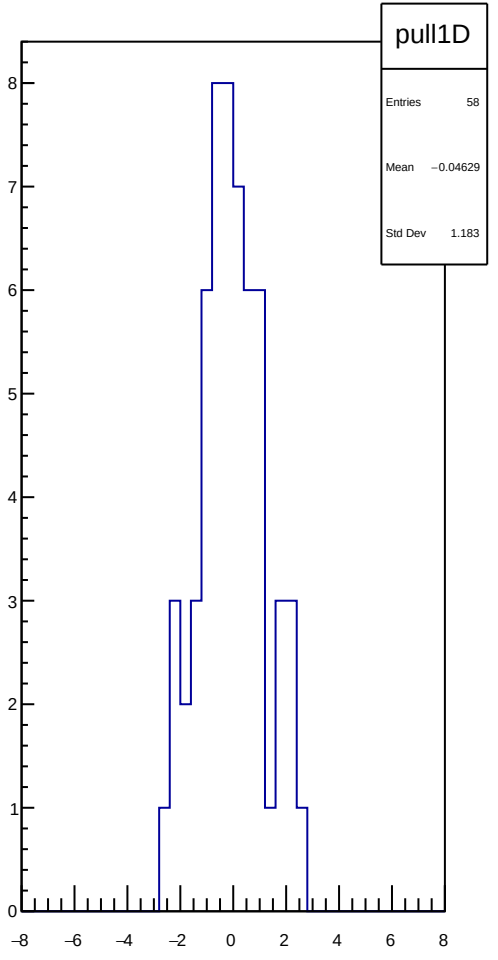

asym_sam8_correction_rms vs run
χ² / ndf 2845 / 57
p0 280.3 ± 0.2667
320
310
300
290
280
270
260
250

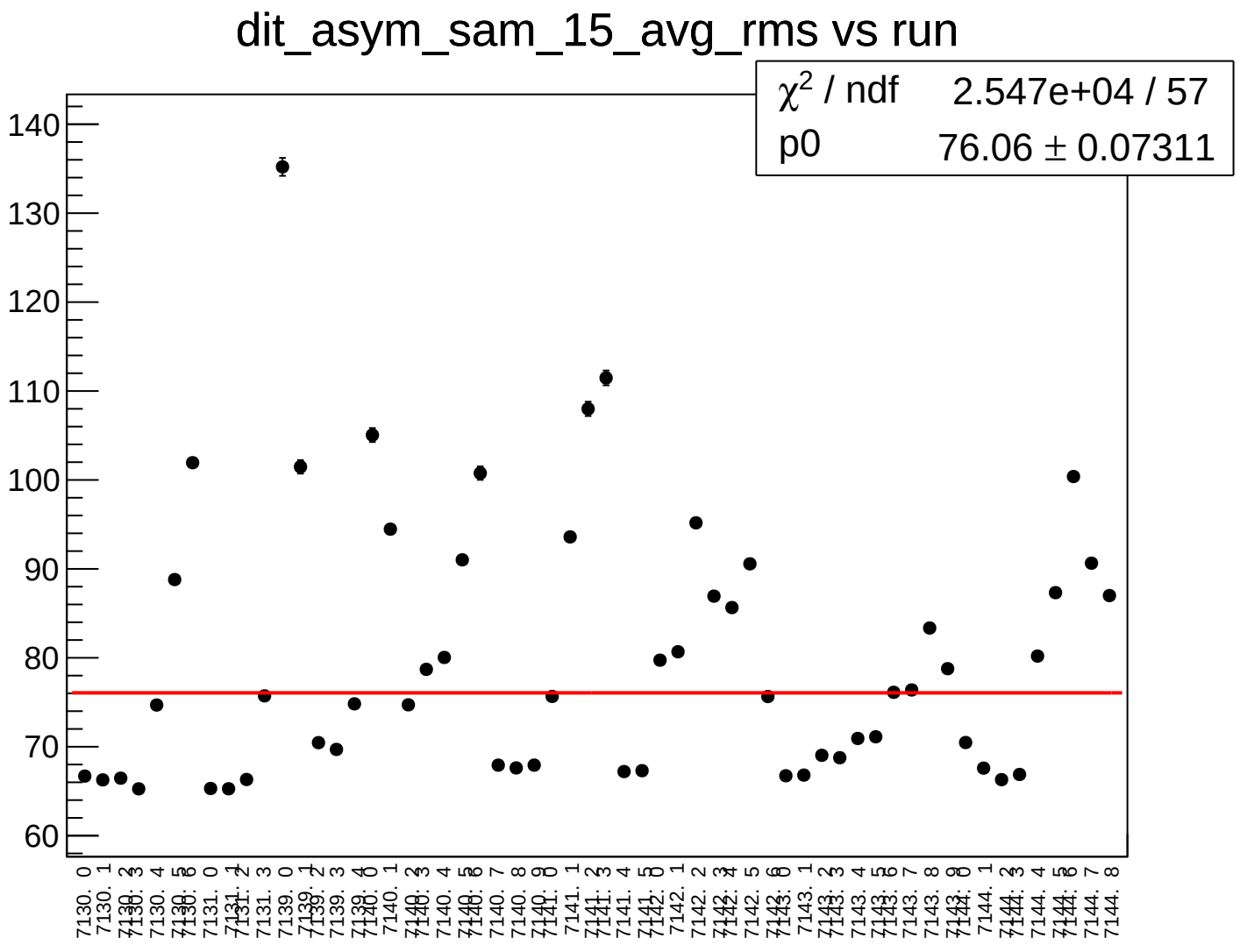

asym_sam8_mean vs run
χ² / ndf 55.99 / 57
p0 −250.2 ± 363.5
15000
10000
5000
0
−5000
pull
Entries 58
Mean 415.4
Std Dev 387.1
4
3
2
1
0
−1
−2

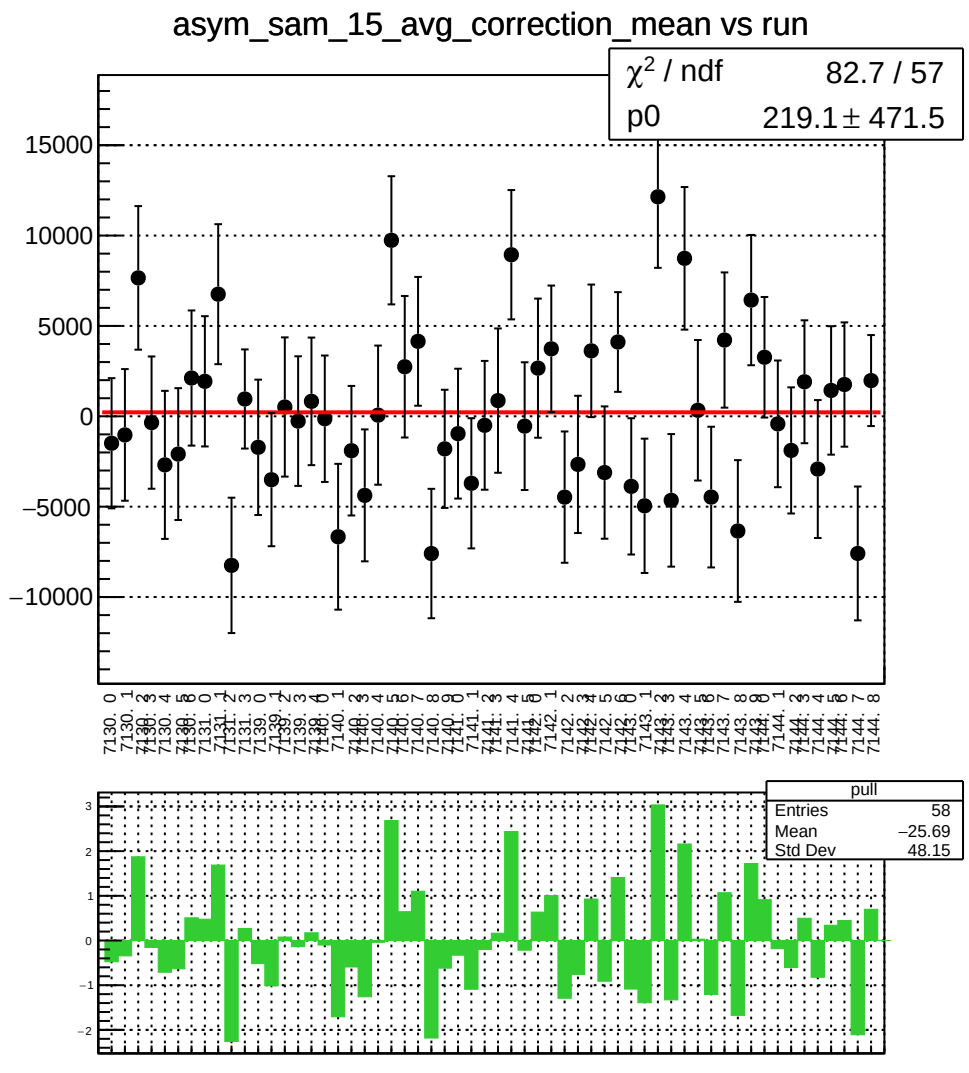

pull1D
Entries 58
Mean 0.01143
Std Dev 0.9825
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

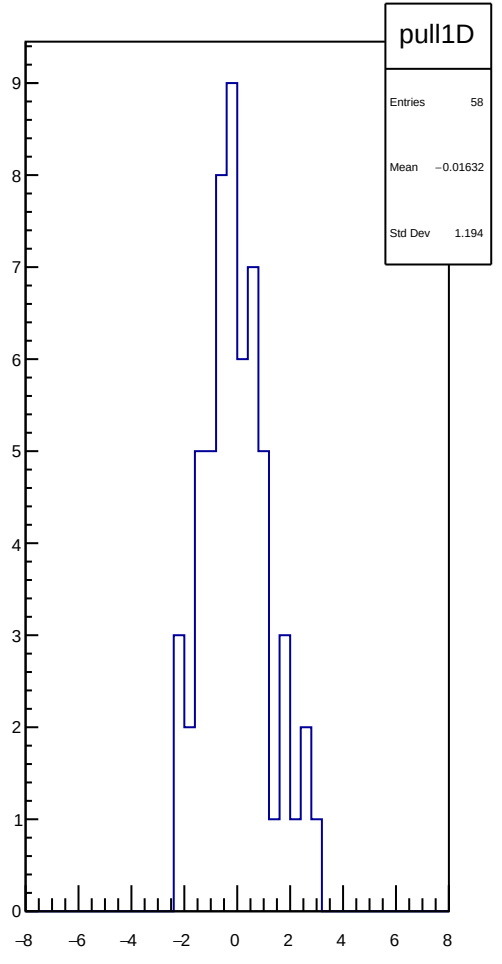

asym_sam8_rms vs run
χ² / ndf 3778 / 57
p0 270.1 ± 0.257
340
320
300
280
260
240

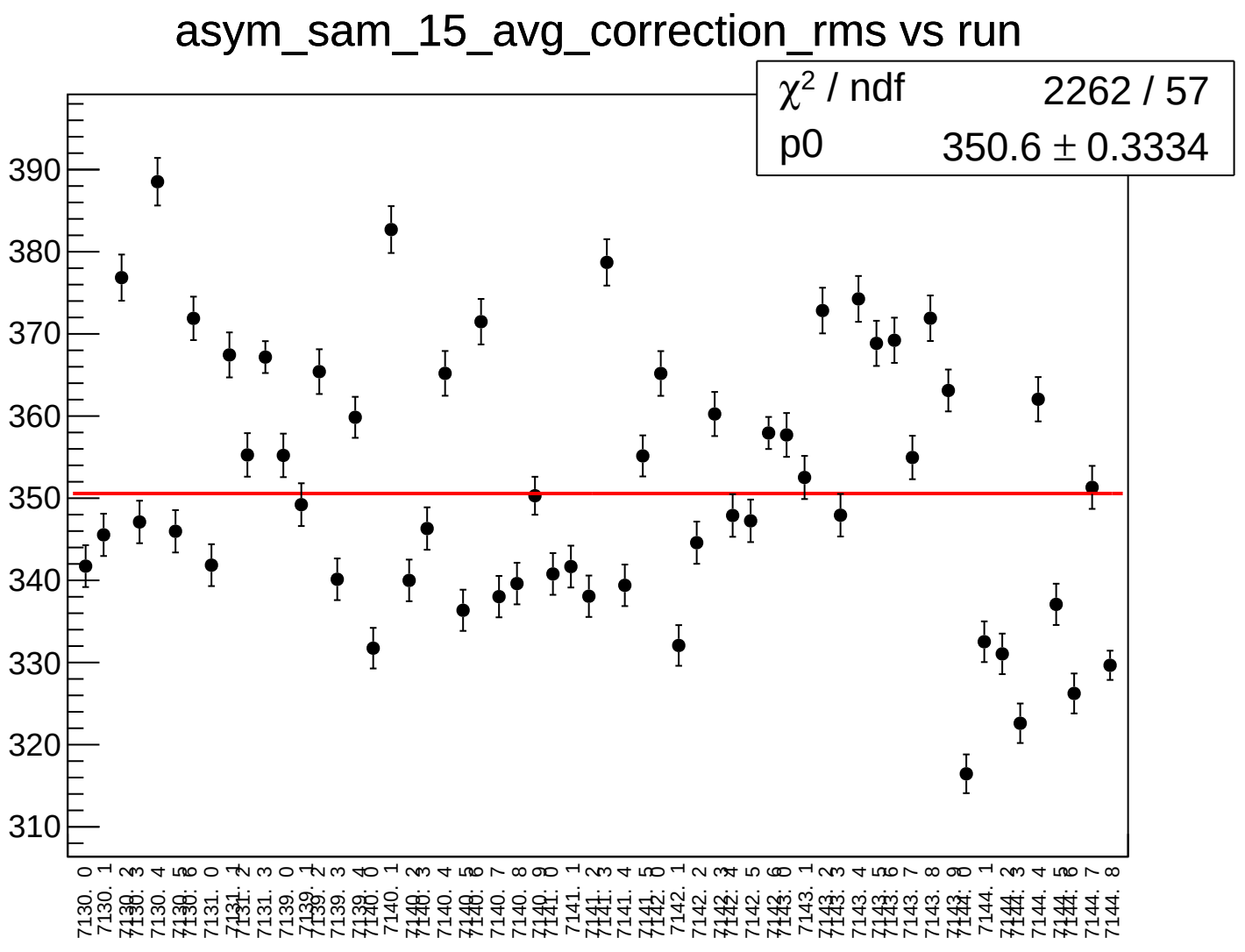

dit_asym_sam_15_avg_mean vs run
χ² / ndf 81.32 / 57
p0 −67.47 ± 103.4
pull
Entries 58
Mean 55.59
Std Dev 8.975

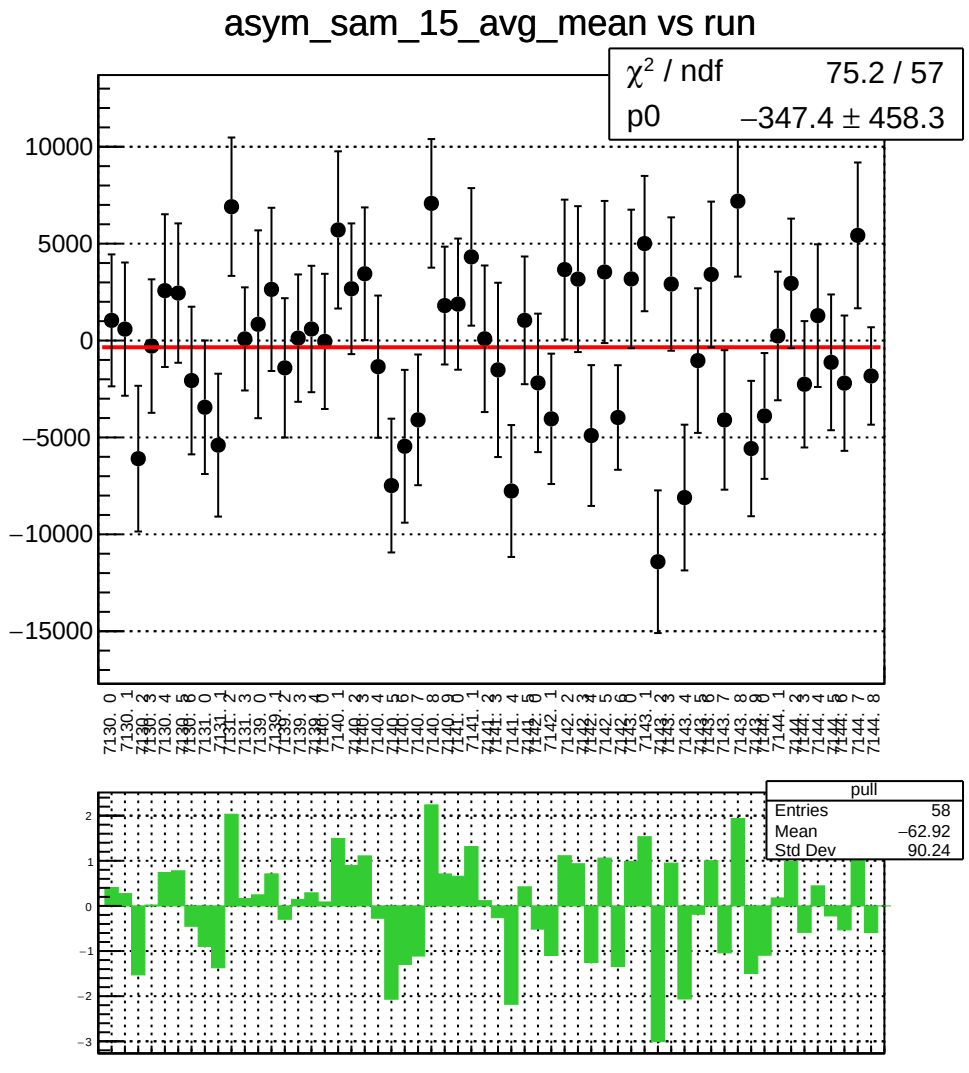

pull1D
Entries 58
Mean −0.04629
Std Dev 1.183

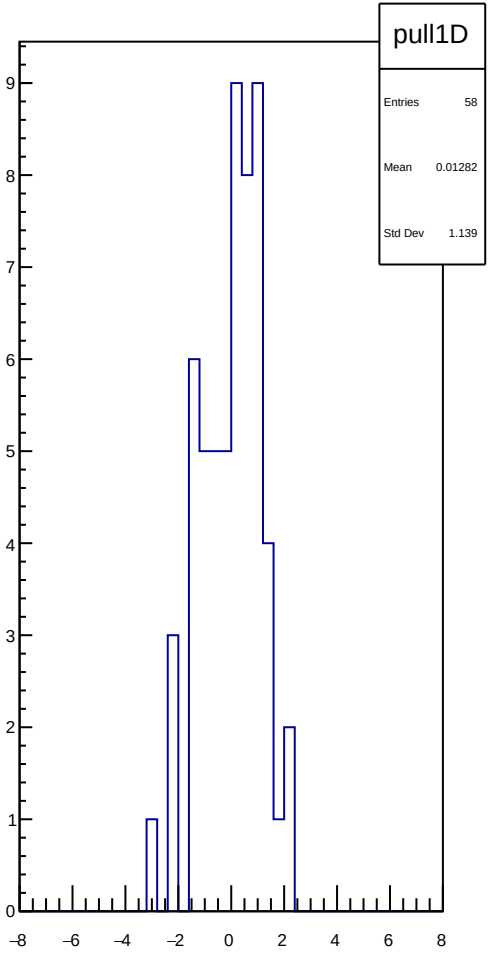

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 2.547e+04 / 57
p0 76.06 ± 0.07311
140
130
120
110
100
90
80
70
60

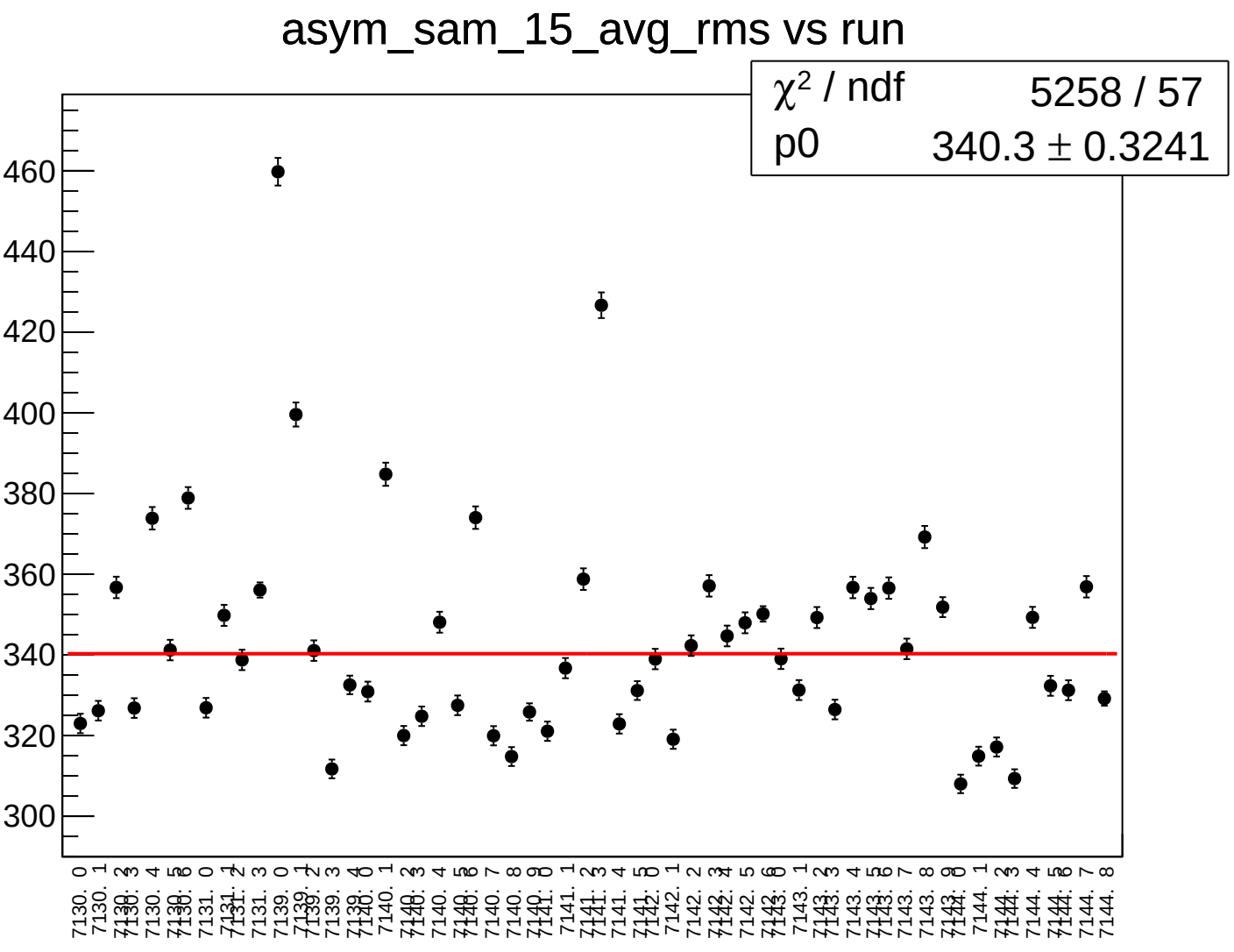

asym_sam_15_avg_correction_mean vs run
χ² / ndf 82.7 / 57
p0 219.1 ± 471.5
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean −25.69
Std Dev 48.15
3
2
1
0
−1
−2

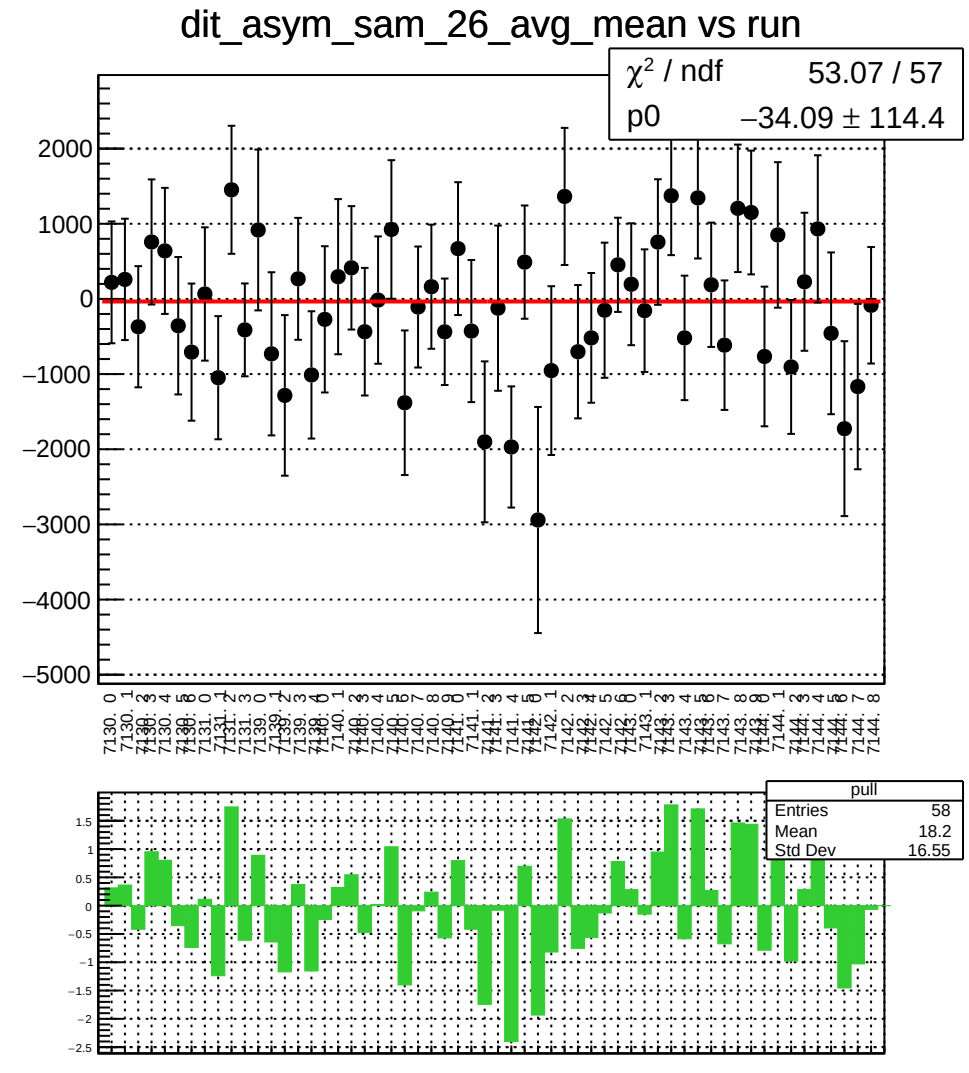

pull1D
Entries 58
Mean −0.01632
Std Dev 1.194
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

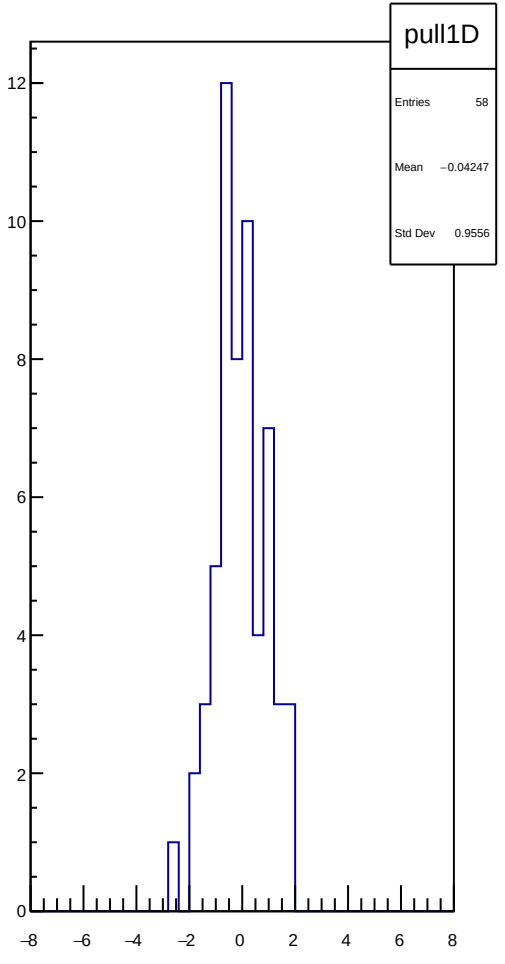

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2262 / 57
p0 350.6 ± 0.3334
390
380
370
360
350
340
330
320
310

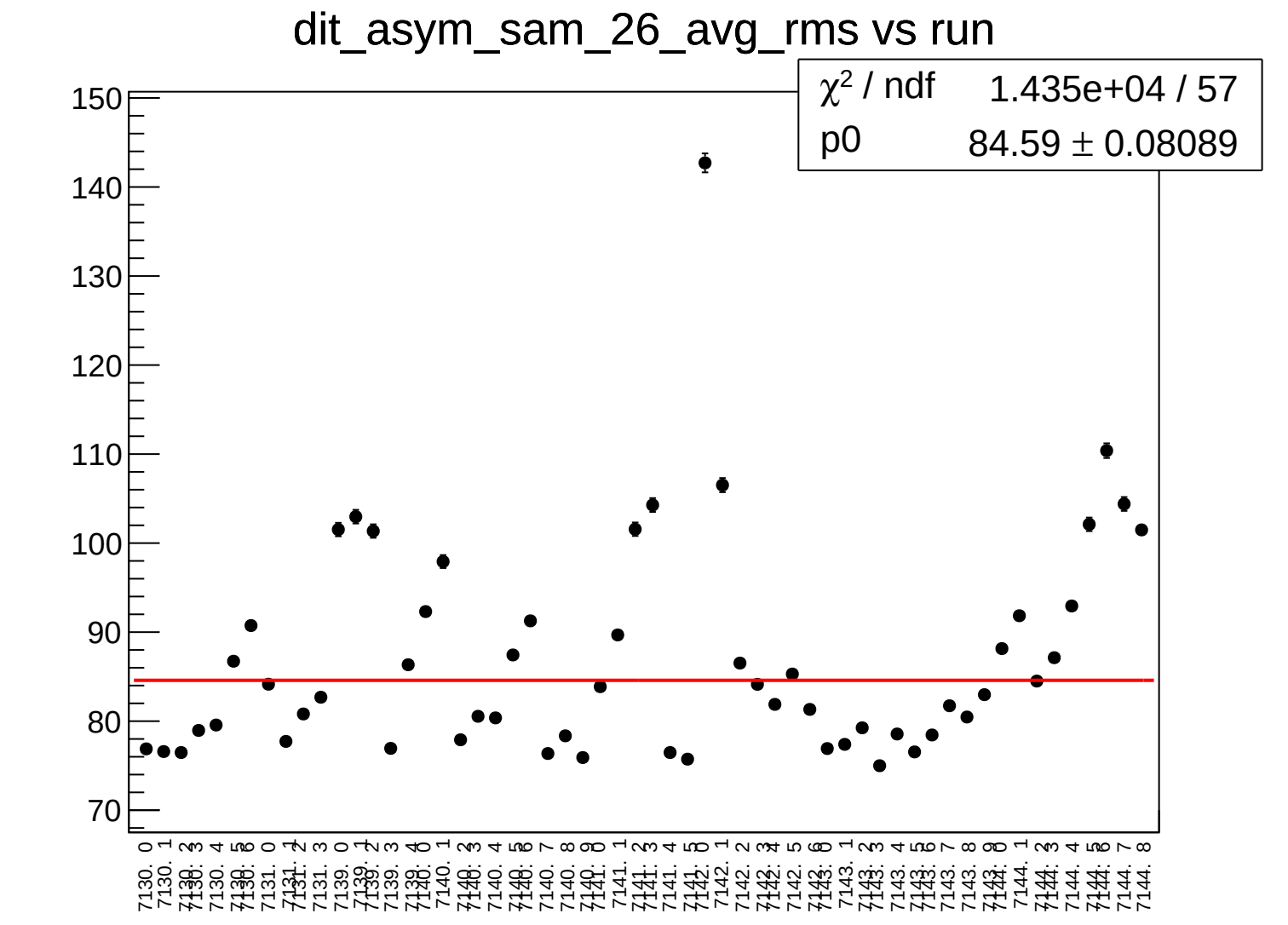

asym_sam_15_avg_mean vs run
χ² / ndf 75.2 / 57
p0 −347.4 ± 458.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean −62.92
Std Dev 90.24
2
1
0
−1
−2
−3

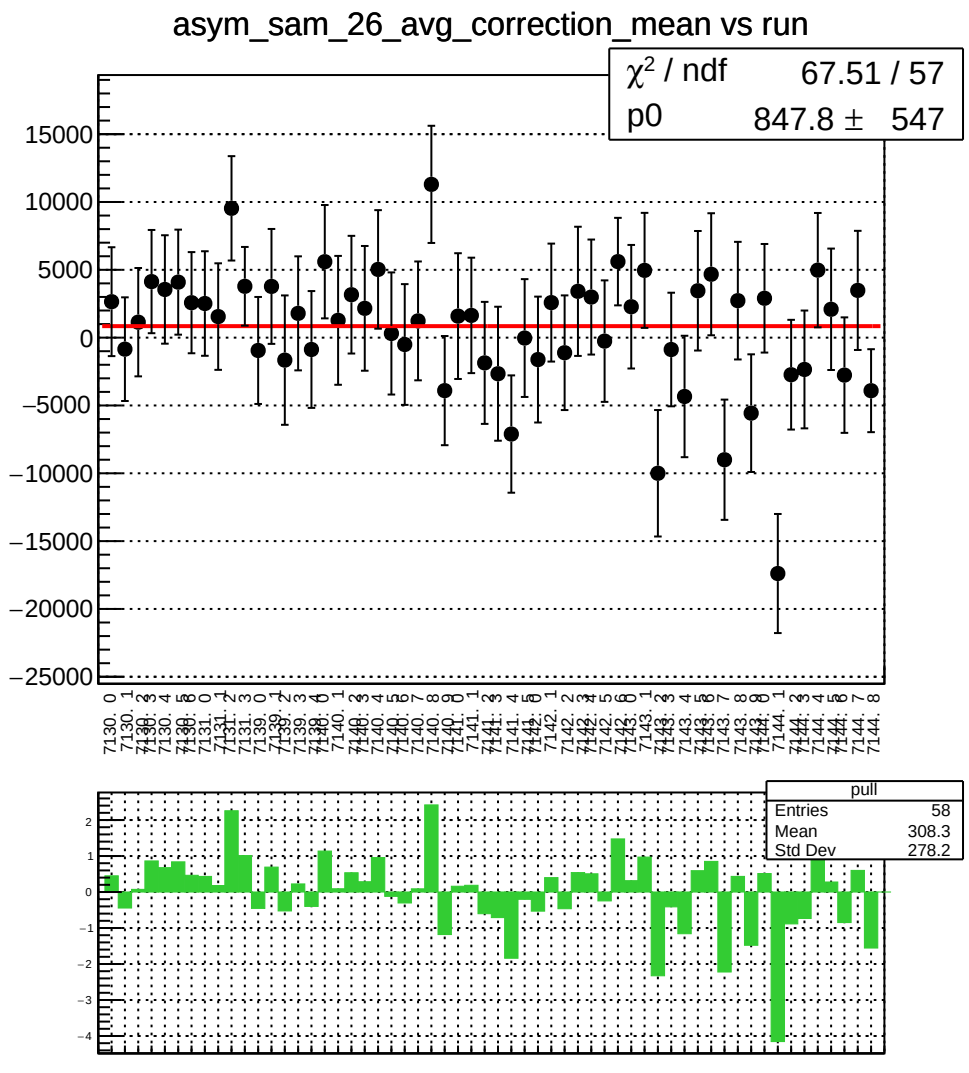

pull1D
Entries 58
Mean 0.01282
Std Dev 1.139
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

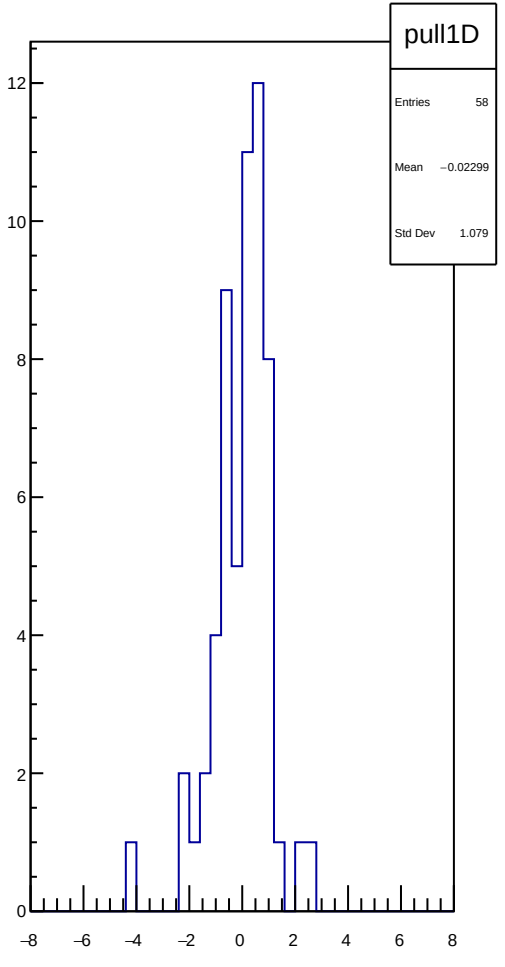

asym_sam_15_avg_rms vs run
χ² / ndf 5258 / 57
p0 340.3 ± 0.3241
460
440
420
400
380
360
340
320
300

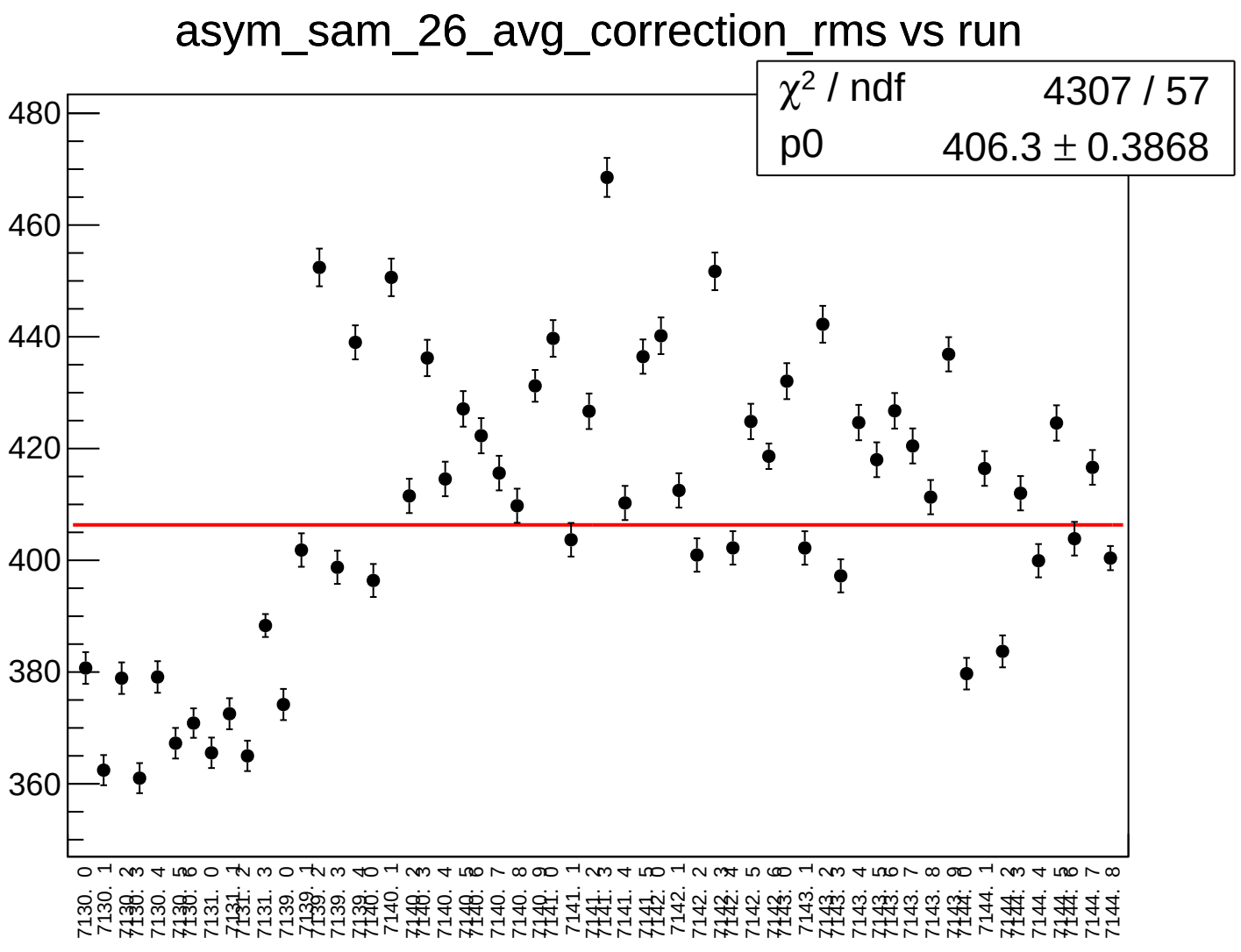

dit_asym_sam_26_avg_mean vs run
χ² / ndf 53.07 / 57
p0 −34.09 ± 114.4
pull
Entries 58
Mean 18.2
Std Dev 16.55

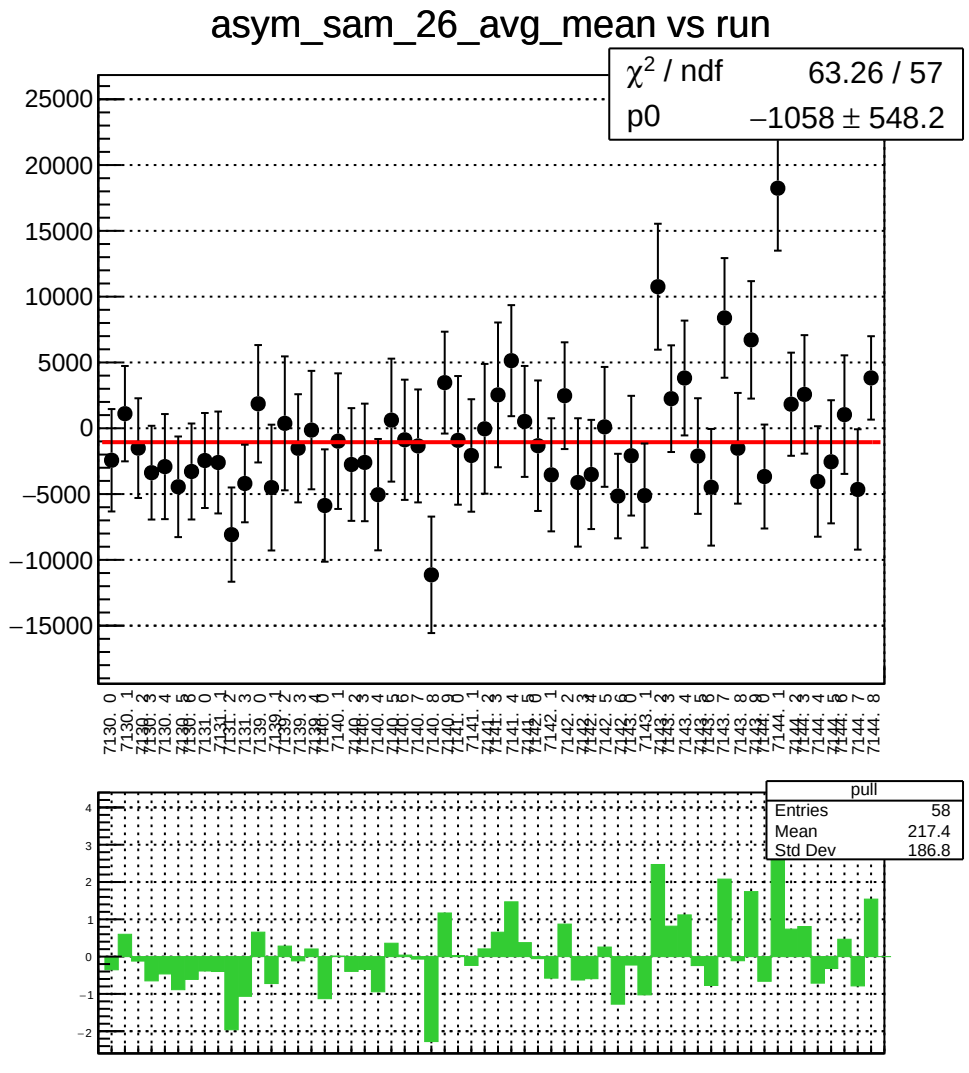

pull1D
Entries 58
Mean −0.04247
Std Dev 0.9556

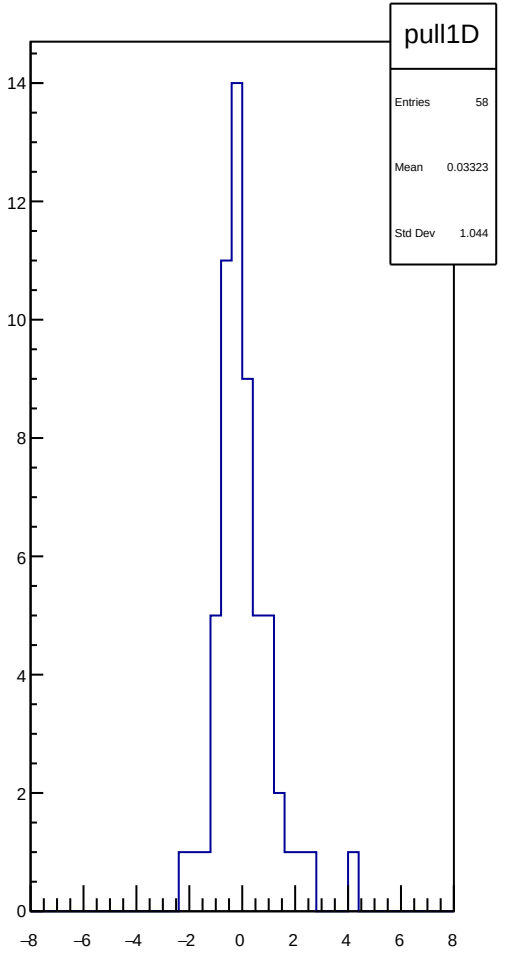

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.435e+04 / 57
p0 84.59 ± 0.08089
150
140
130
120
110
100
90
80
70

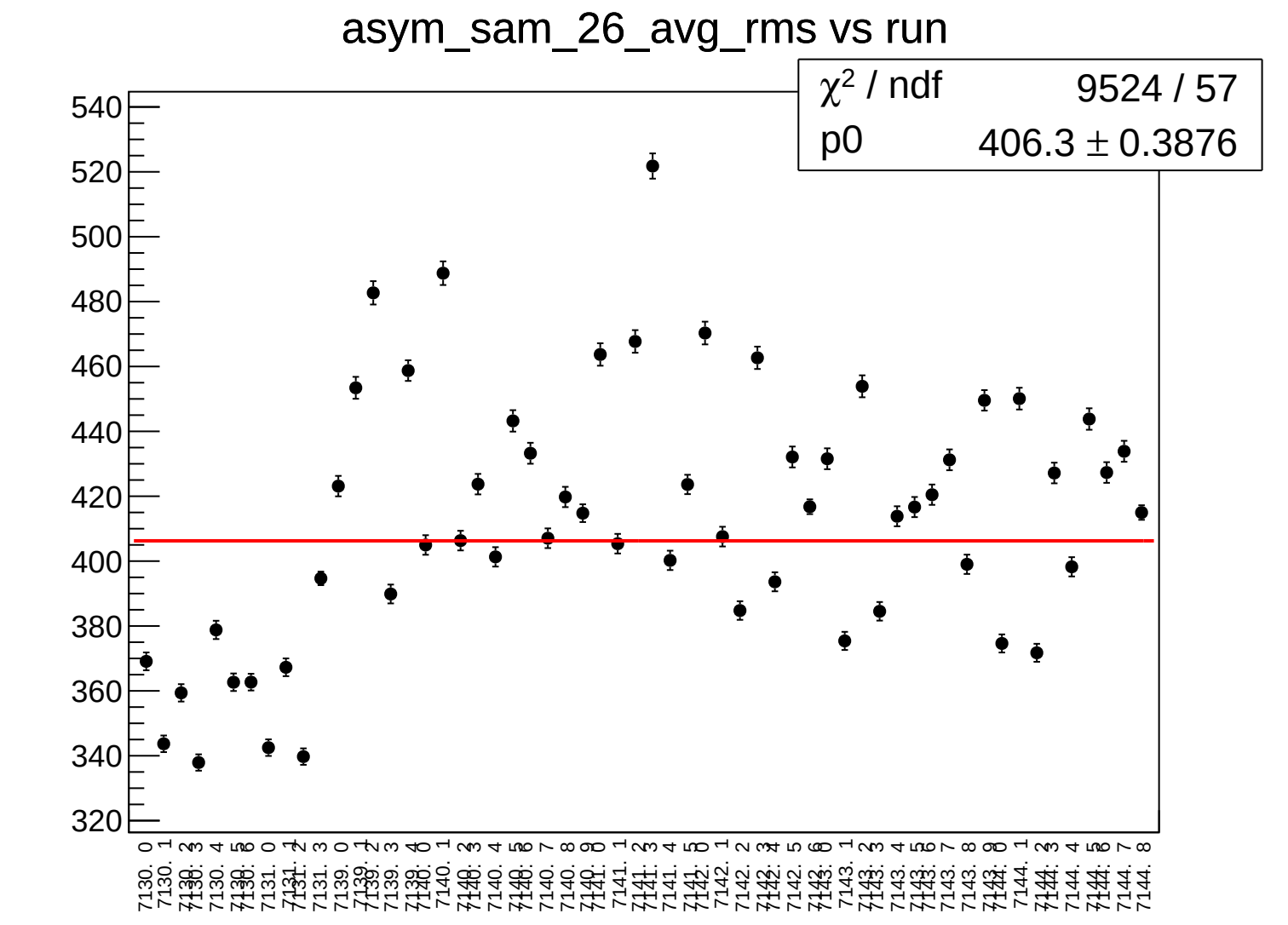

asym_sam_26_avg_correction_mean vs run
χ² / ndf 67.51 / 57
p0 847.8 ± 547
pull
Entries 58
Mean 308.3
Std Dev 278.2

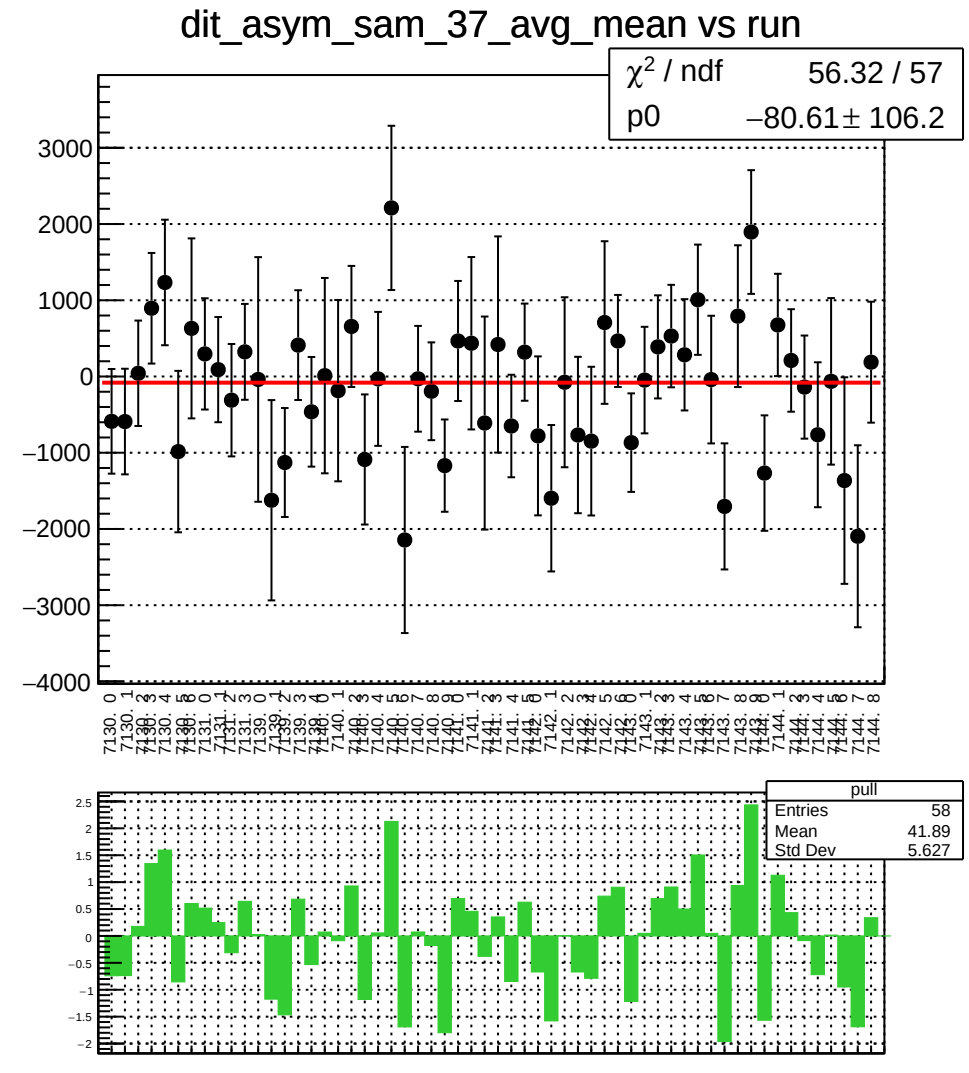

pull1D
Entries 58
Mean −0.02299
Std Dev 1.079

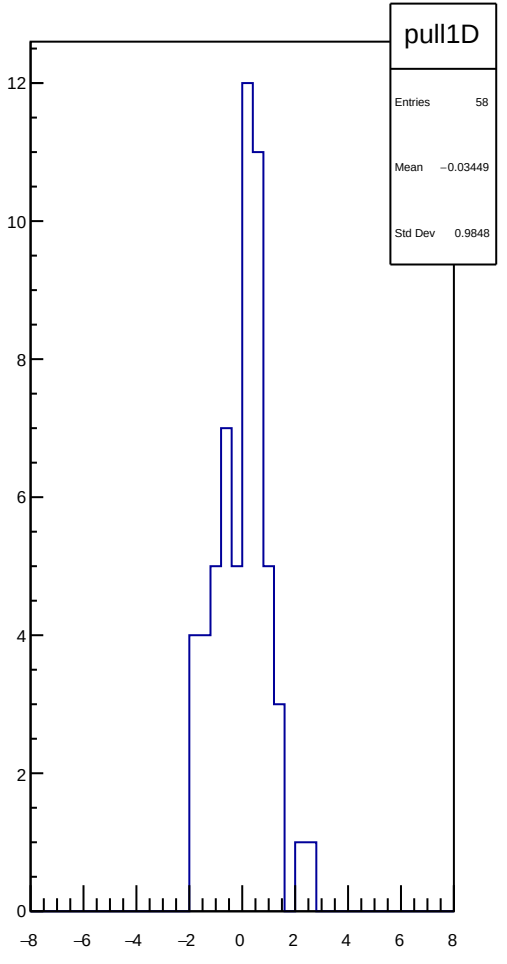

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4307 / 57
p0 406.3 ± 0.3868
480
460
440
420
400
380
360

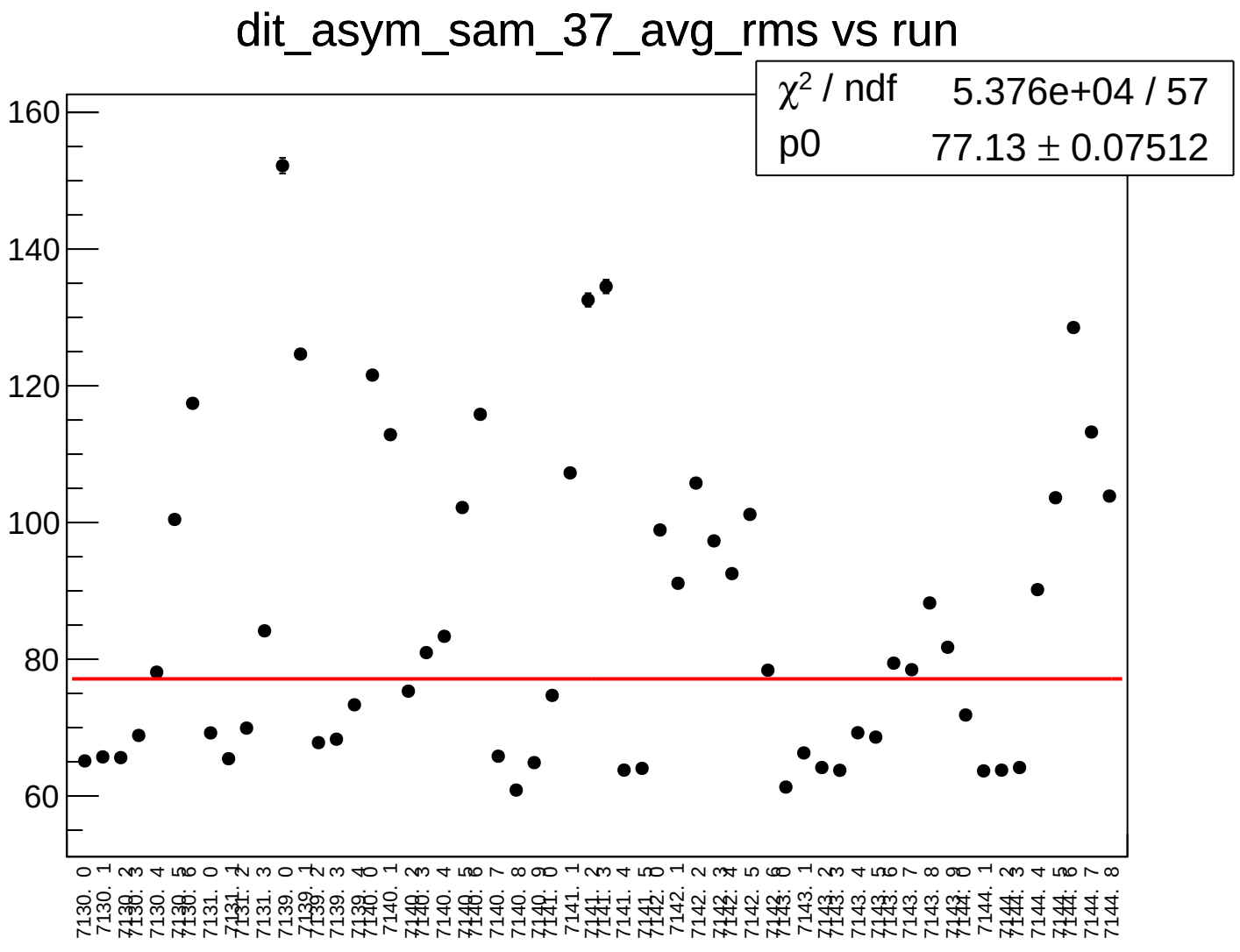

asym_sam_26_avg_mean vs run
χ² / ndf 63.26 / 57
p0 −1058 ± 548.2
pull
Entries 58
Mean 217.4
Std Dev 186.8

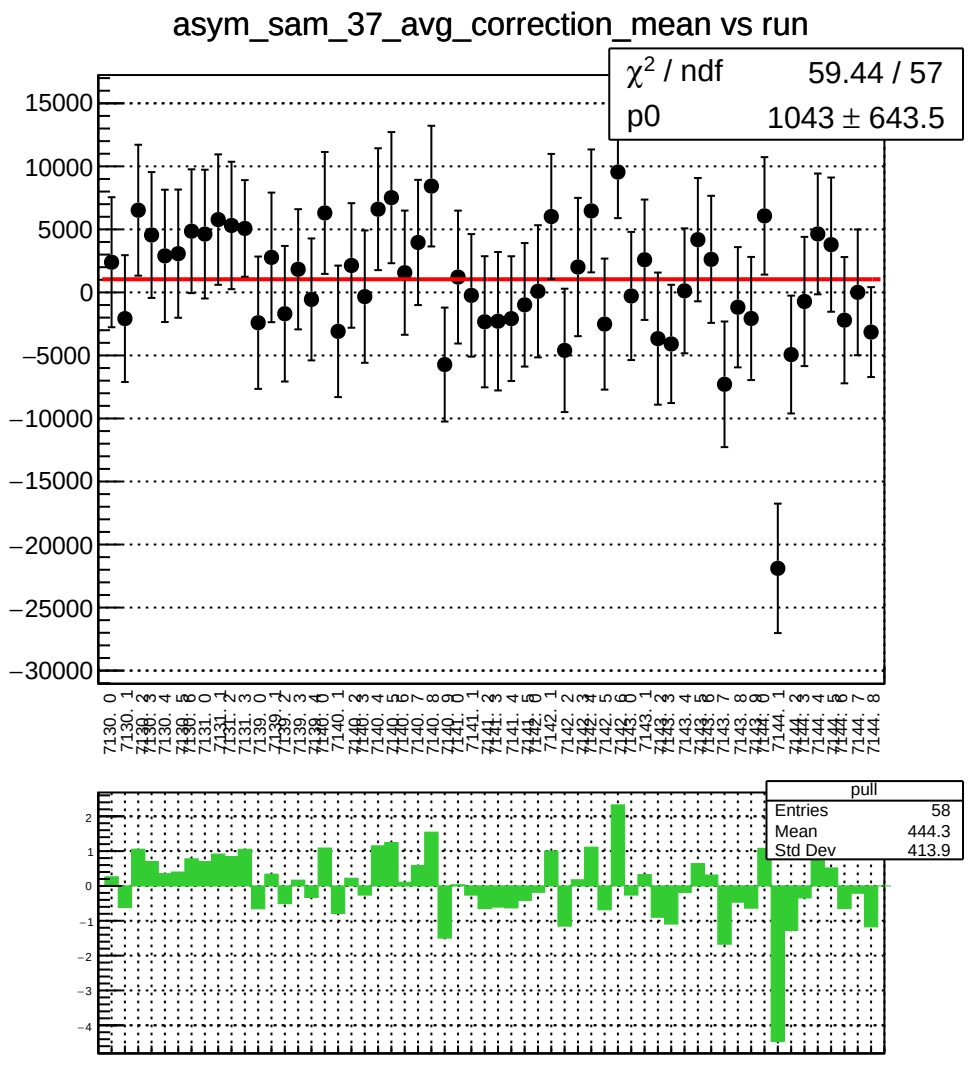

pull1D
Entries 58
Mean 0.03323
Std Dev 1.044

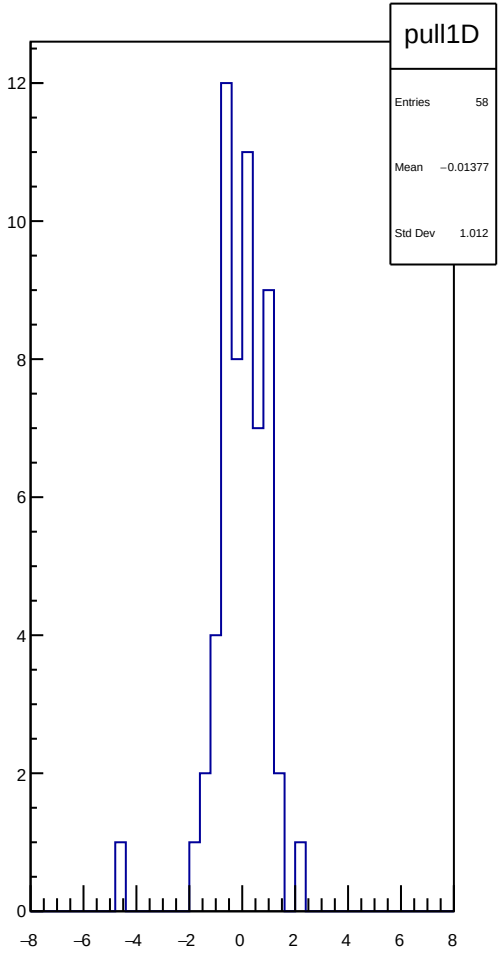

asym_sam_26_avg_rms vs run
χ^2 / ndf 9524 / 57
p0 406.3 ± 0.3876
540
520
500
480
460
440
420
400
380
360
340
320

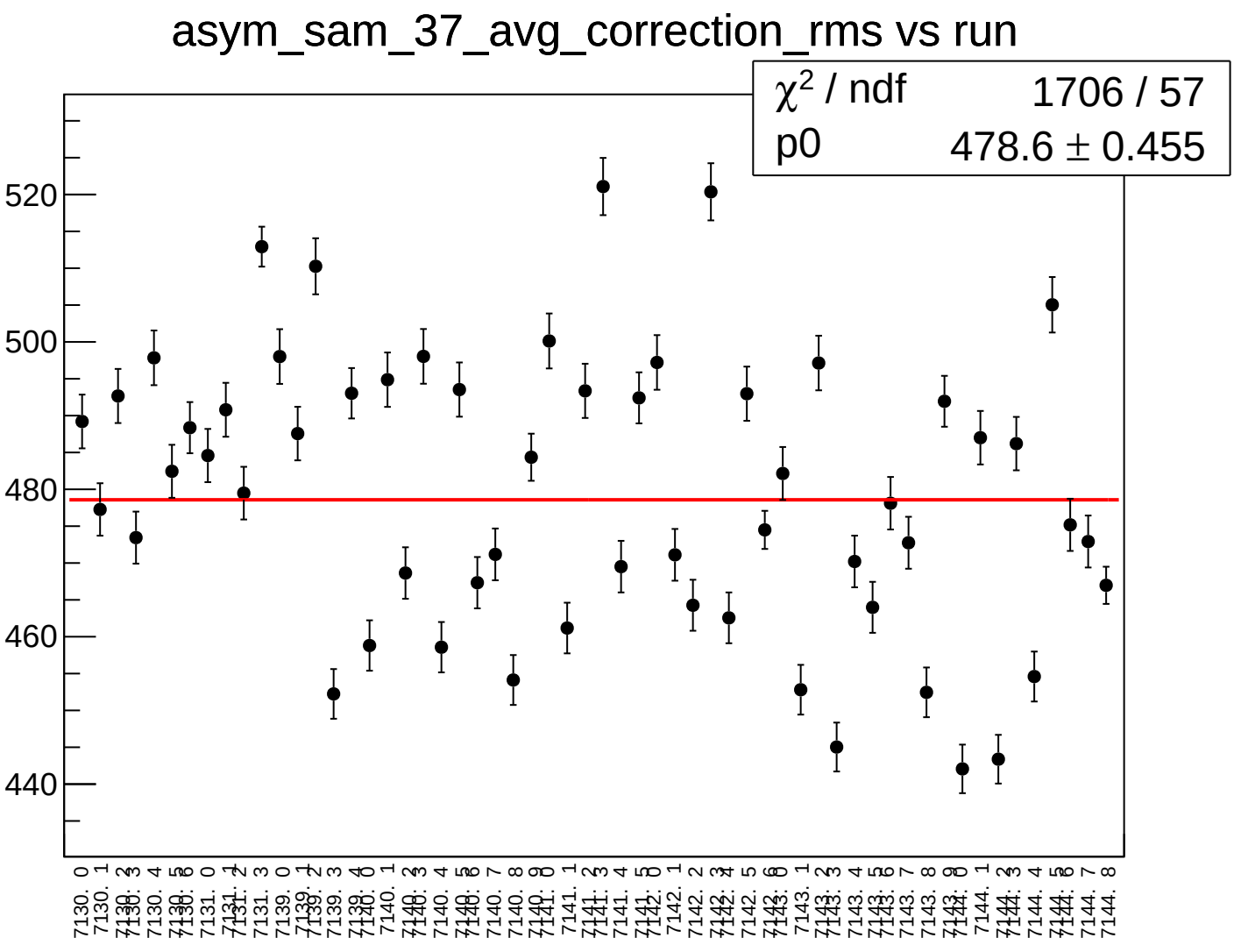

dit_asym_sam_37_avg_mean vs run
χ² / ndf 56.32 / 57
p0 −80.61 ± 106.2
pull
Entries 58
Mean 41.89
Std Dev 5.627

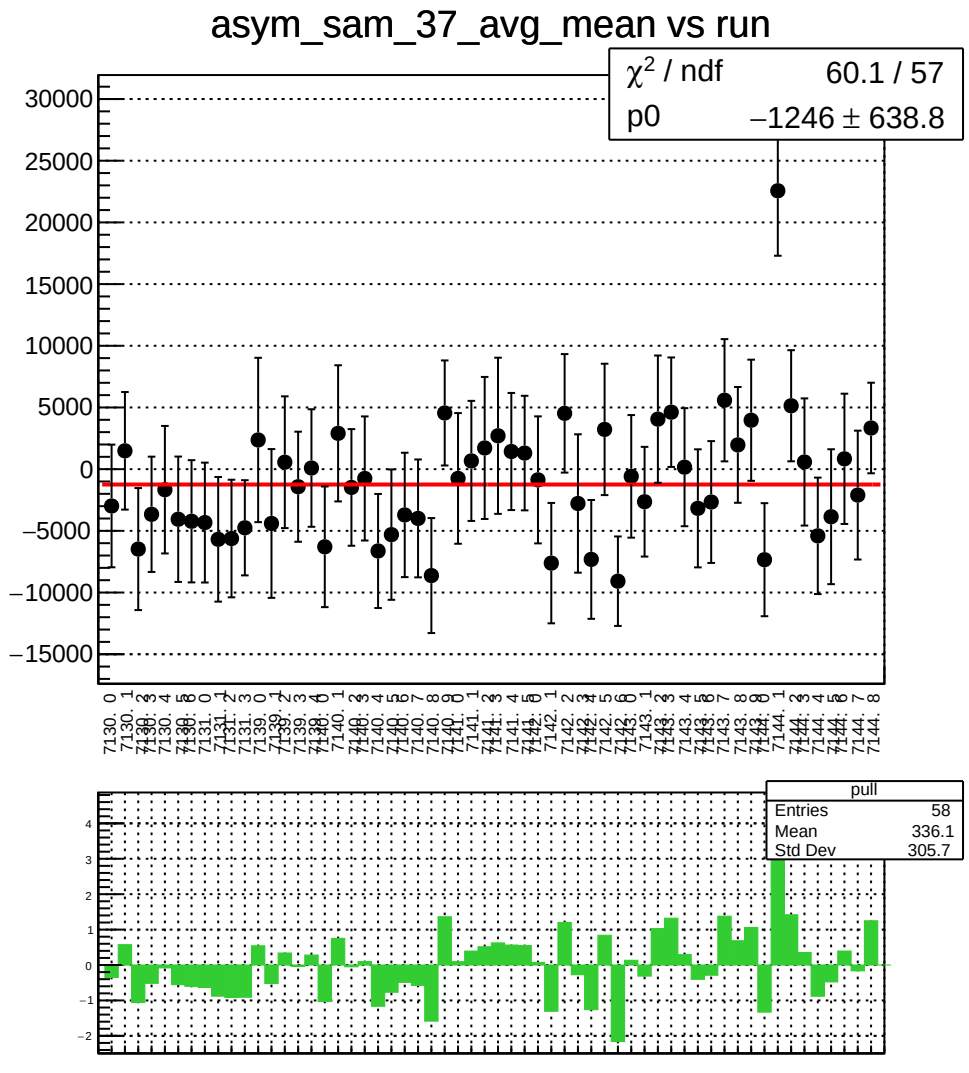

pull1D
Entries 58
Mean −0.03449
Std Dev 0.9848

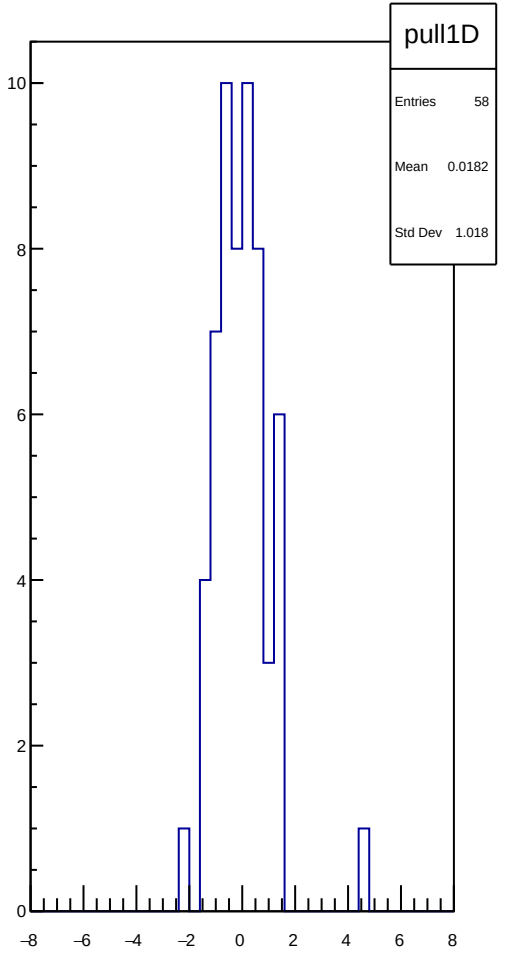

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.376e+04 / 57
p0 77.13 ± 0.07512
160
140
120
100
80
60

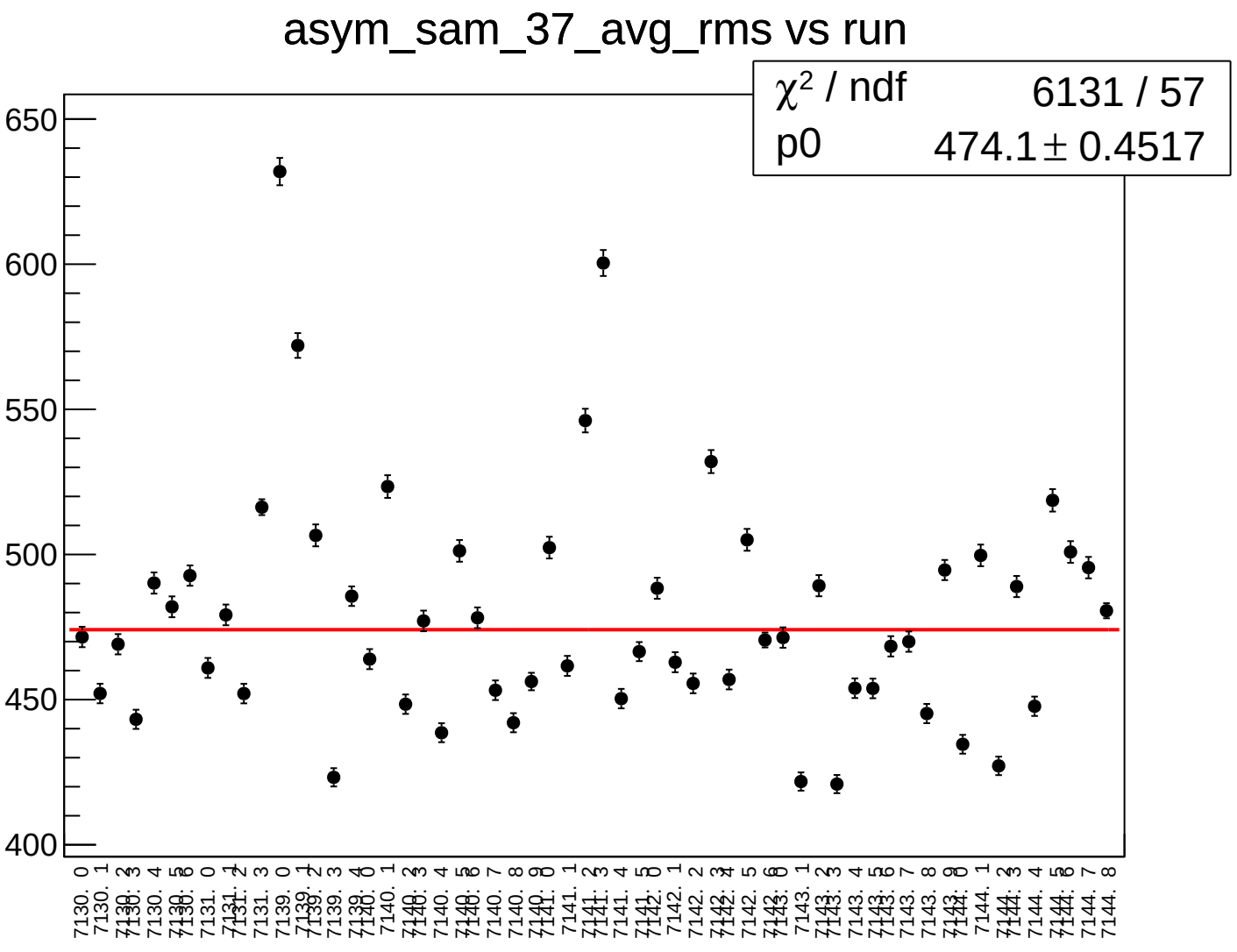

asym_sam_37_avg_correction_mean vs run
χ² / ndf 59.44 / 57
p0 1043 ± 643.5
pull
Entries 58
Mean 444.3
Std Dev 413.9

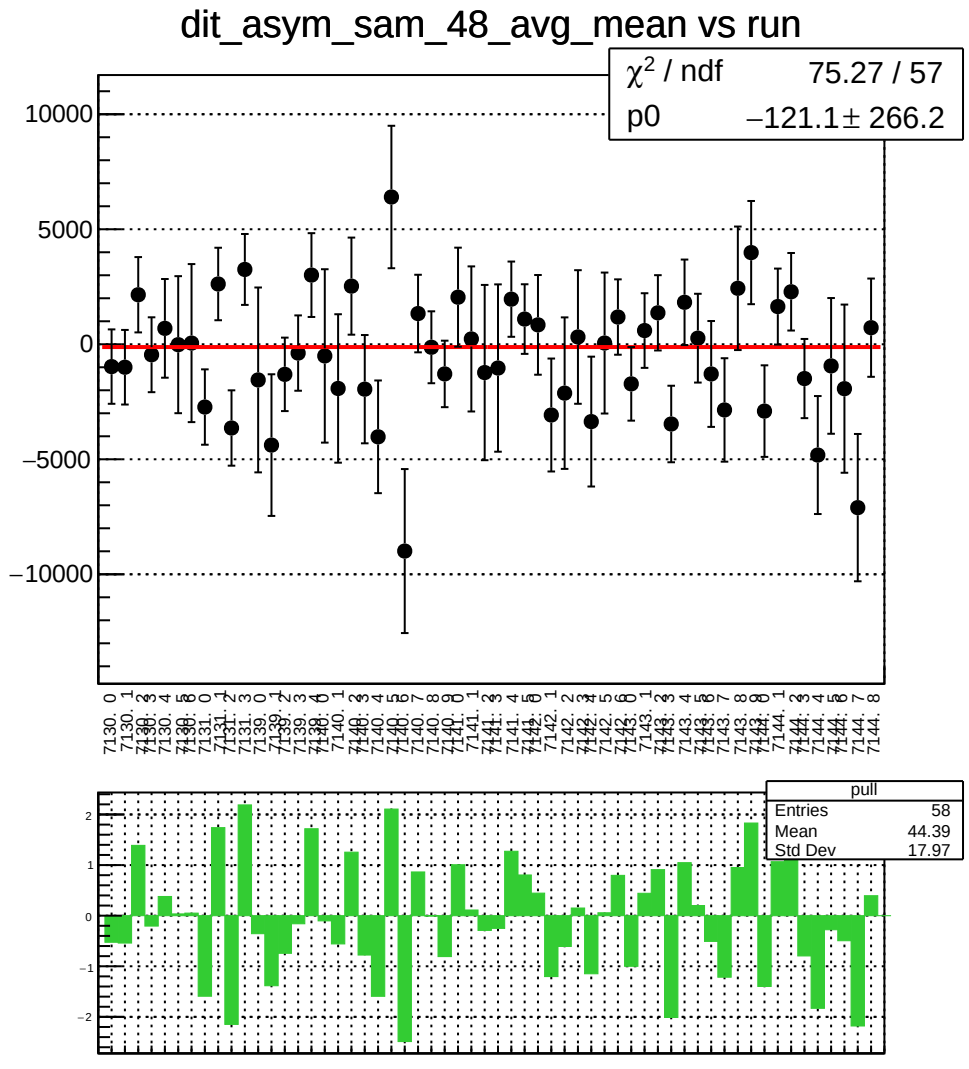

pull1D
Entries 58
Mean −0.01377
Std Dev 1.012

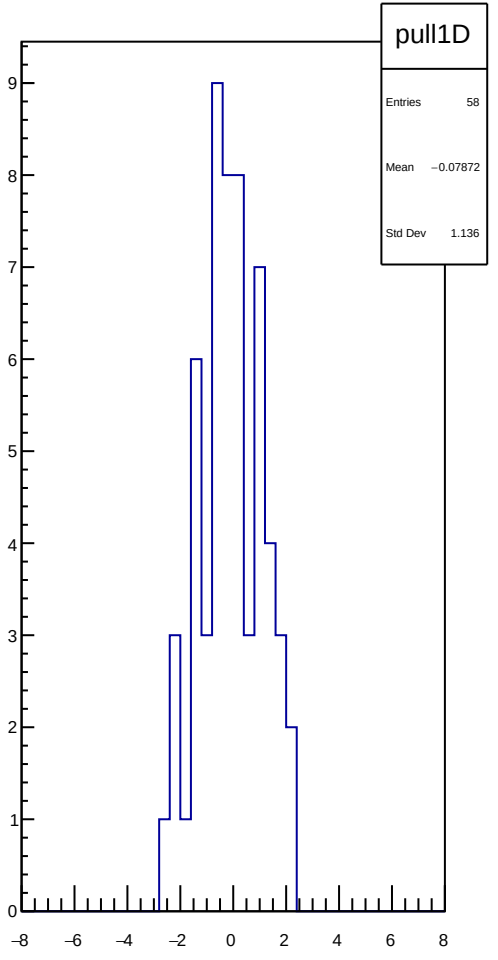

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 1706 / 57
p0 478.6 ± 0.455
520
500
480
460
440

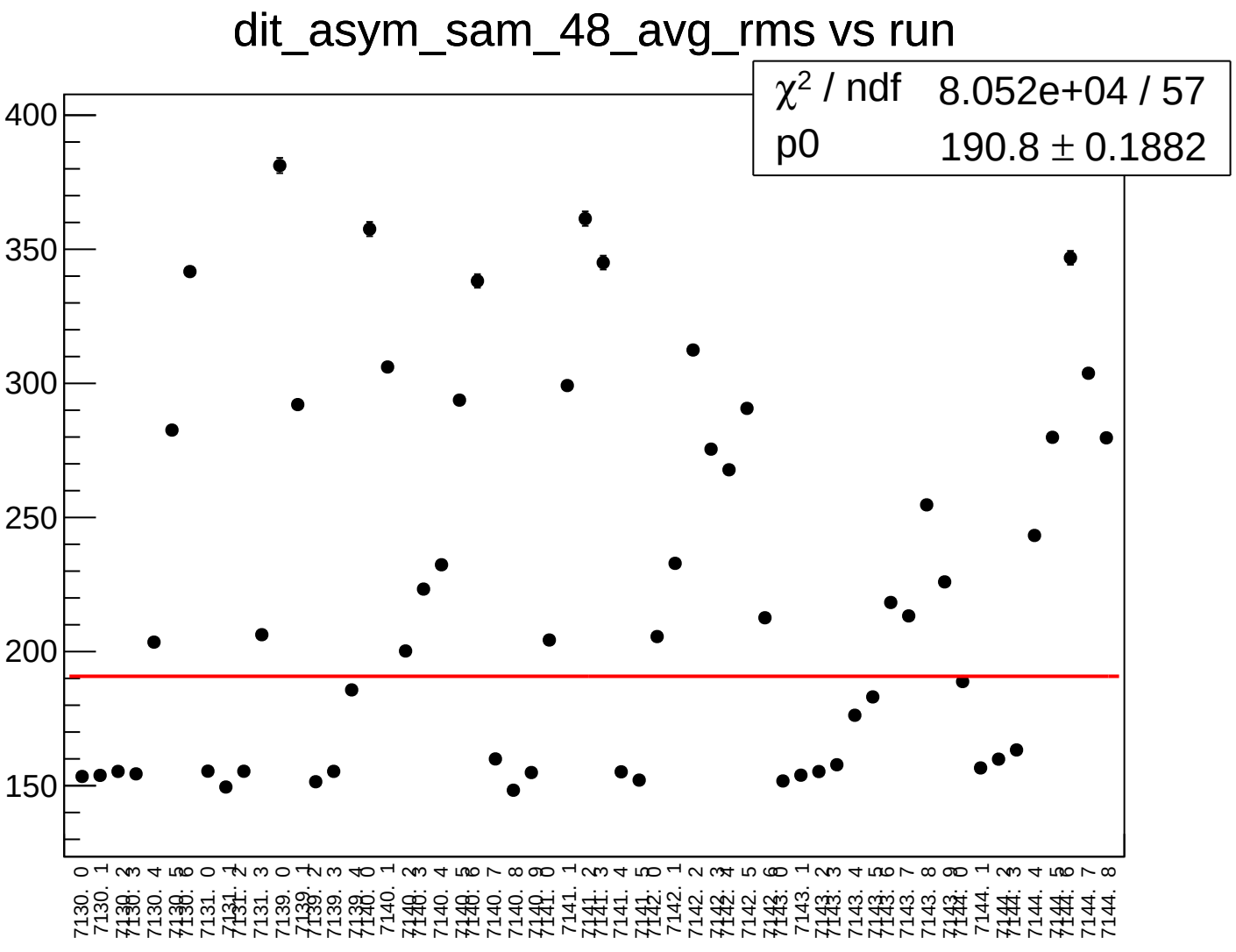

asym_sam_37_avg_mean vs run
χ² / ndf 60.1 / 57
p0 −1246 ± 638.8
pull
Entries 58
Mean 336.1
Std Dev 305.7

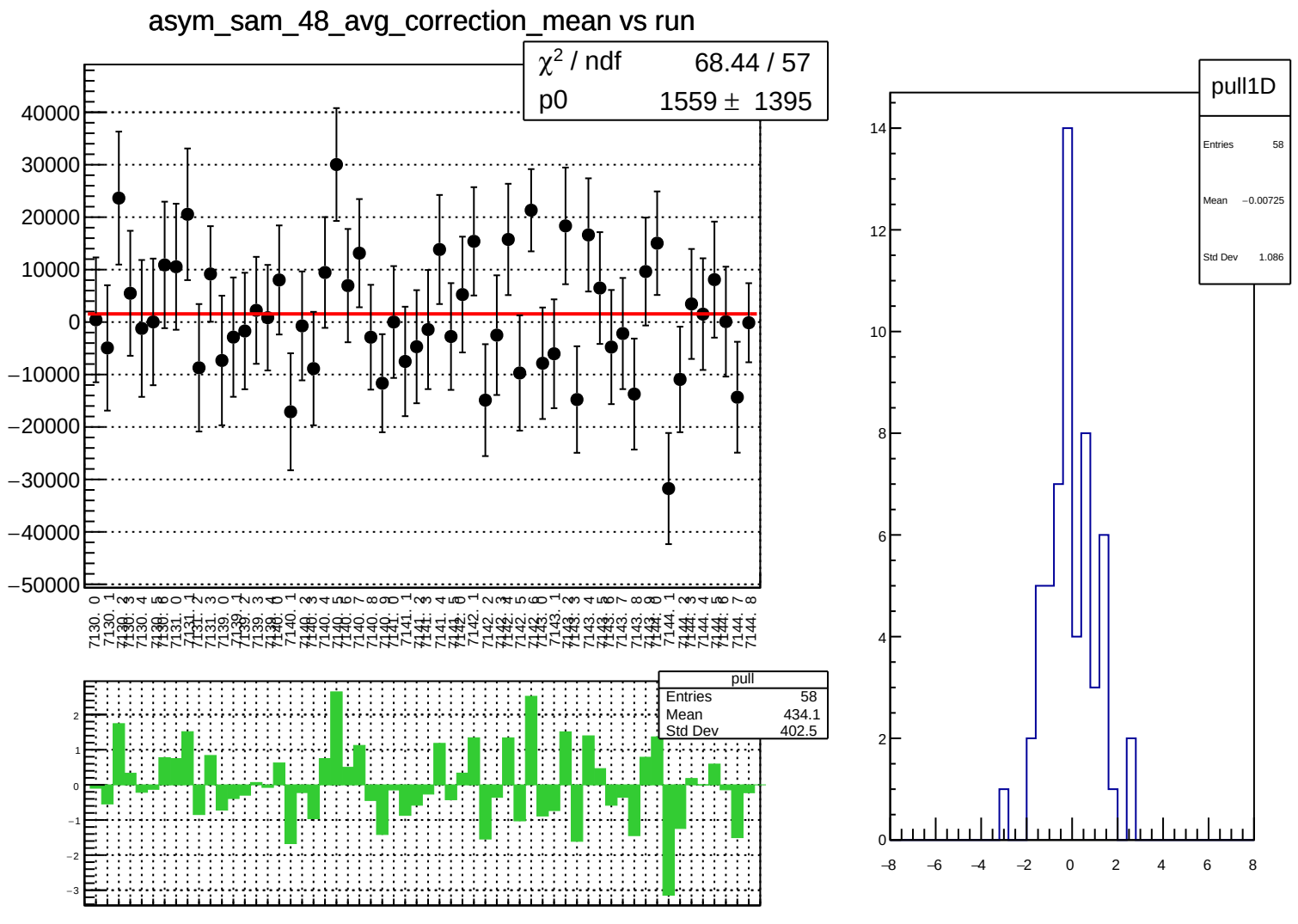

pull1D
Entries 58
Mean 0.0182
Std Dev 1.018

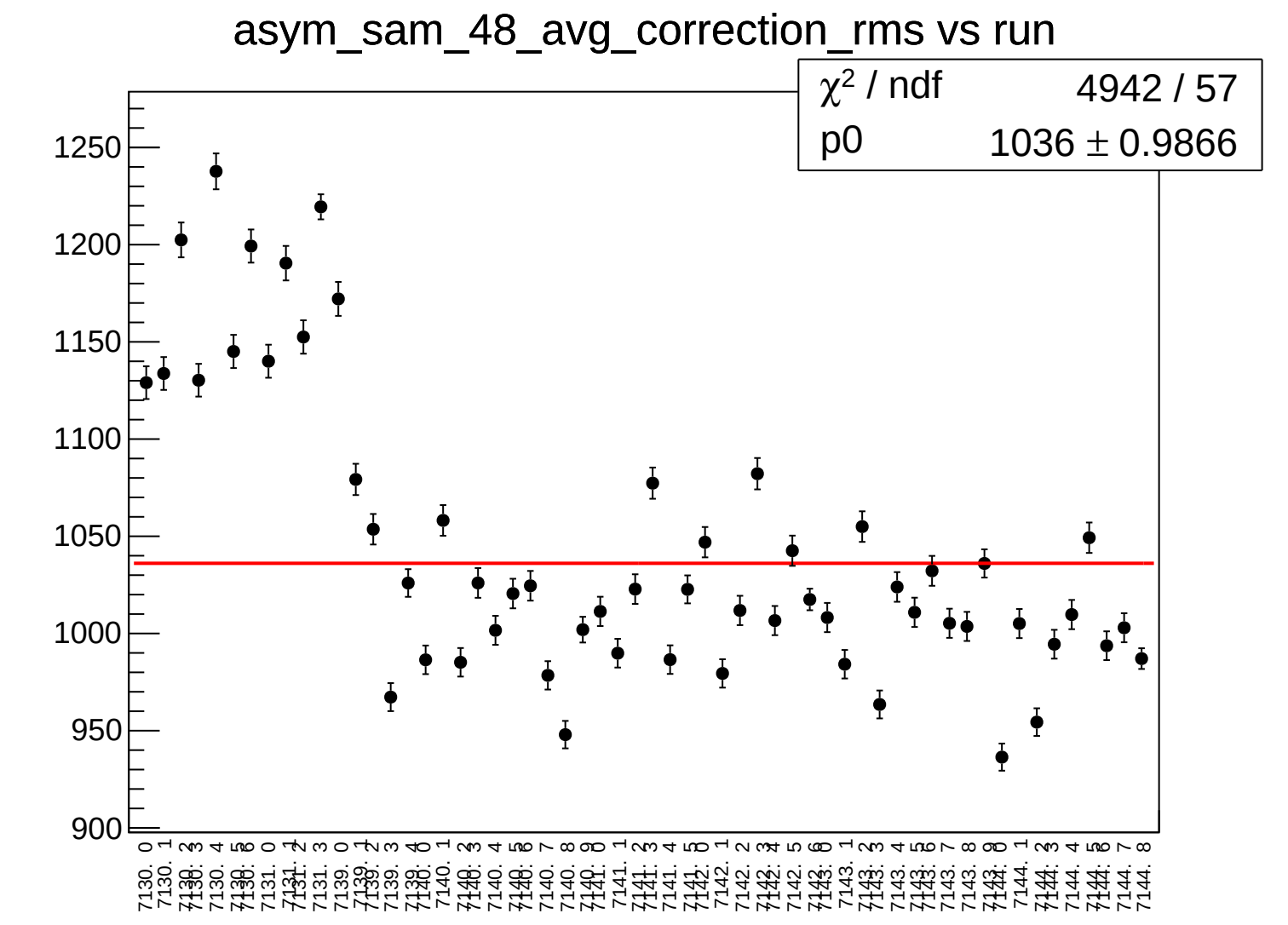

asym_sam_37_avg_rms vs run
χ² / ndf 6131 / 57
p0 474.1 ± 0.4517
650
600
550
500
450
400

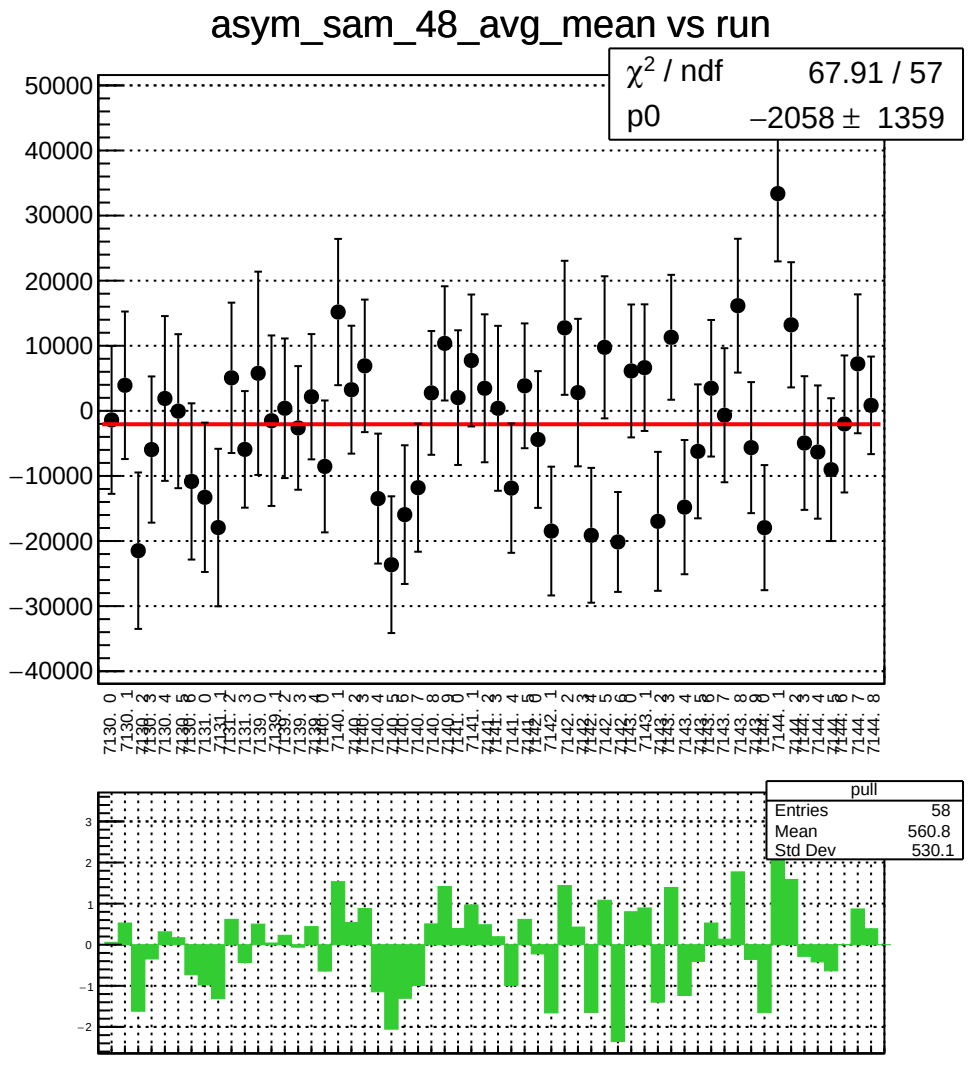

dit_asym_sam_48_avg_mean vs run
χ² / ndf 75.27 / 57
p0 −121.1± 266.2
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 44.39
Std Dev 17.97
2
1
0
−1
−2

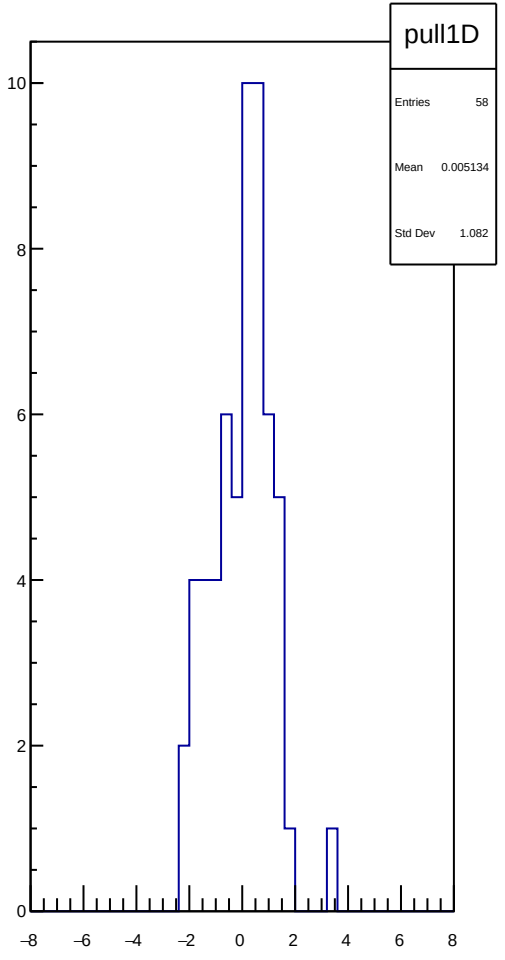

pull1D
Entries 58
Mean −0.07872
Std Dev 1.136
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

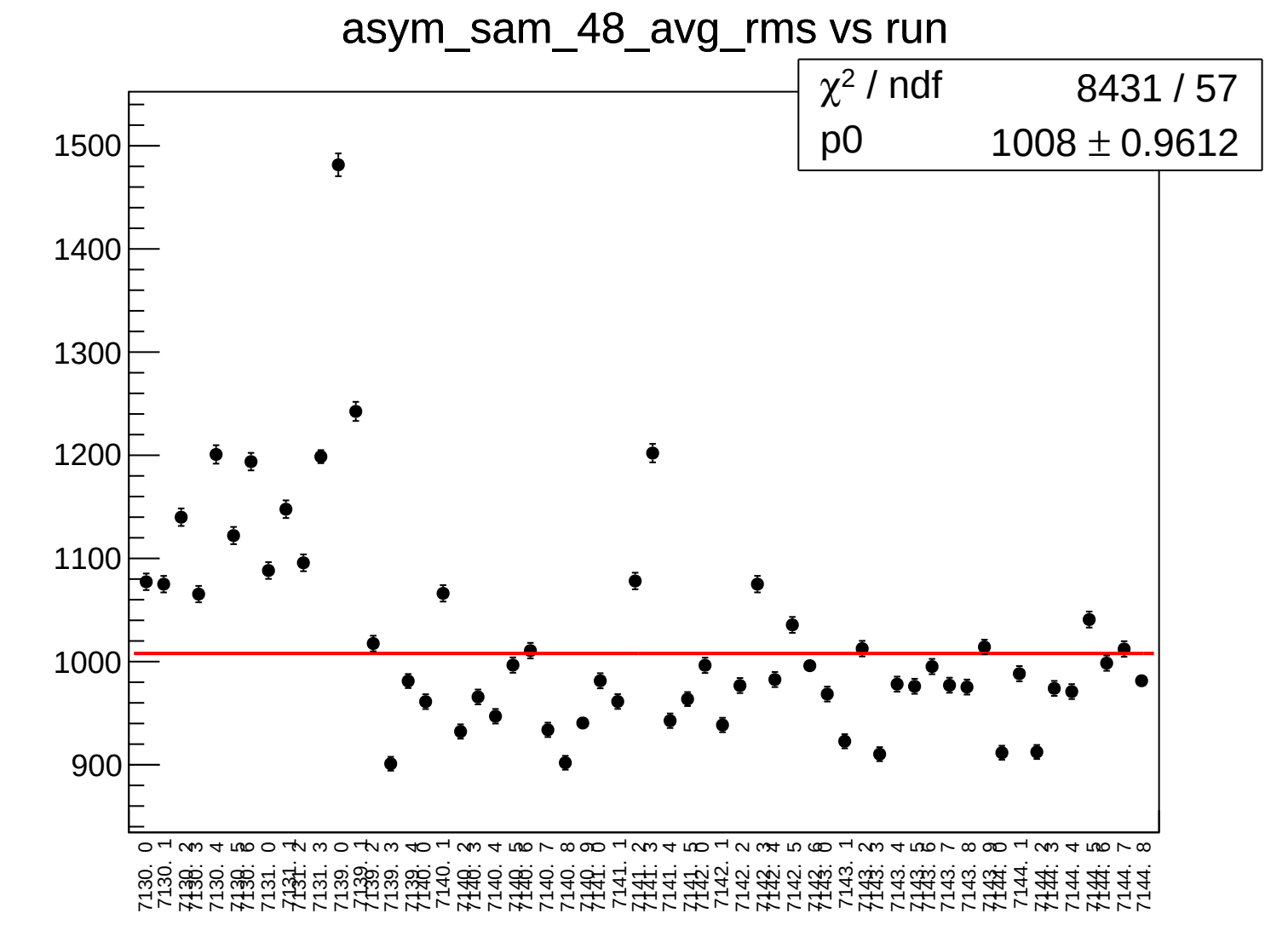

dit_asym_sam_48_avg_rms vs run
χ² / ndf 8.052e+04 / 57
p0 190.8 ± 0.1882
400
350
300
250
200
150

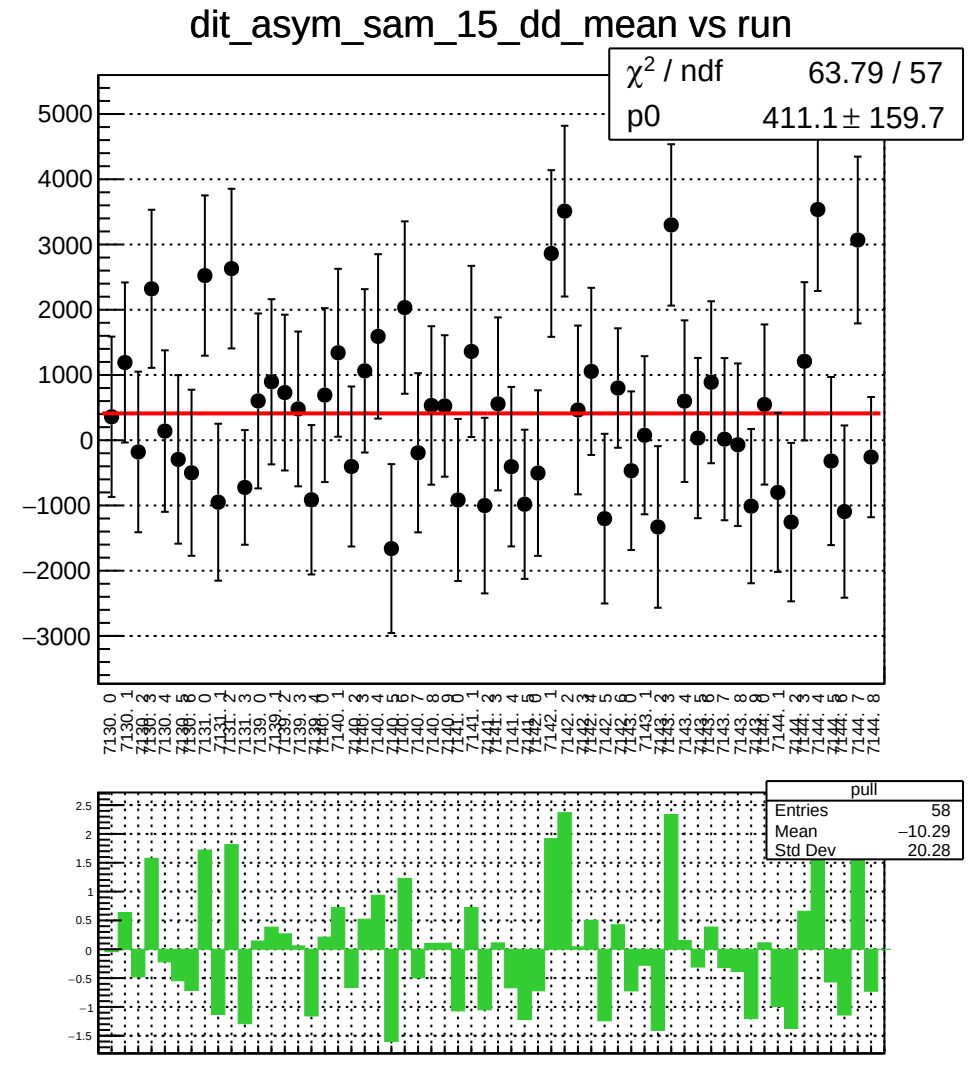

asym_sam_48_avg_correction_mean vs run
χ² / ndf 68.44 / 57
p0 1559 ± 1395
pull
Entries 58
Mean 434.1
Std Dev 402.5
pull1D
Entries 58
Mean −0.00725
Std Dev 1.086

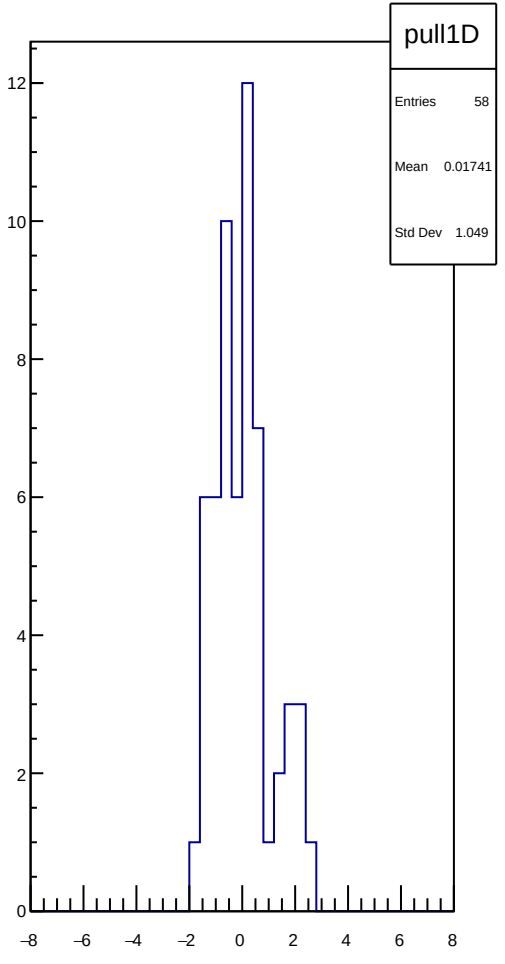

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4942 / 57
p0 1036 ± 0.9866
1250
1200
1150
1100
1050
1000
950
900

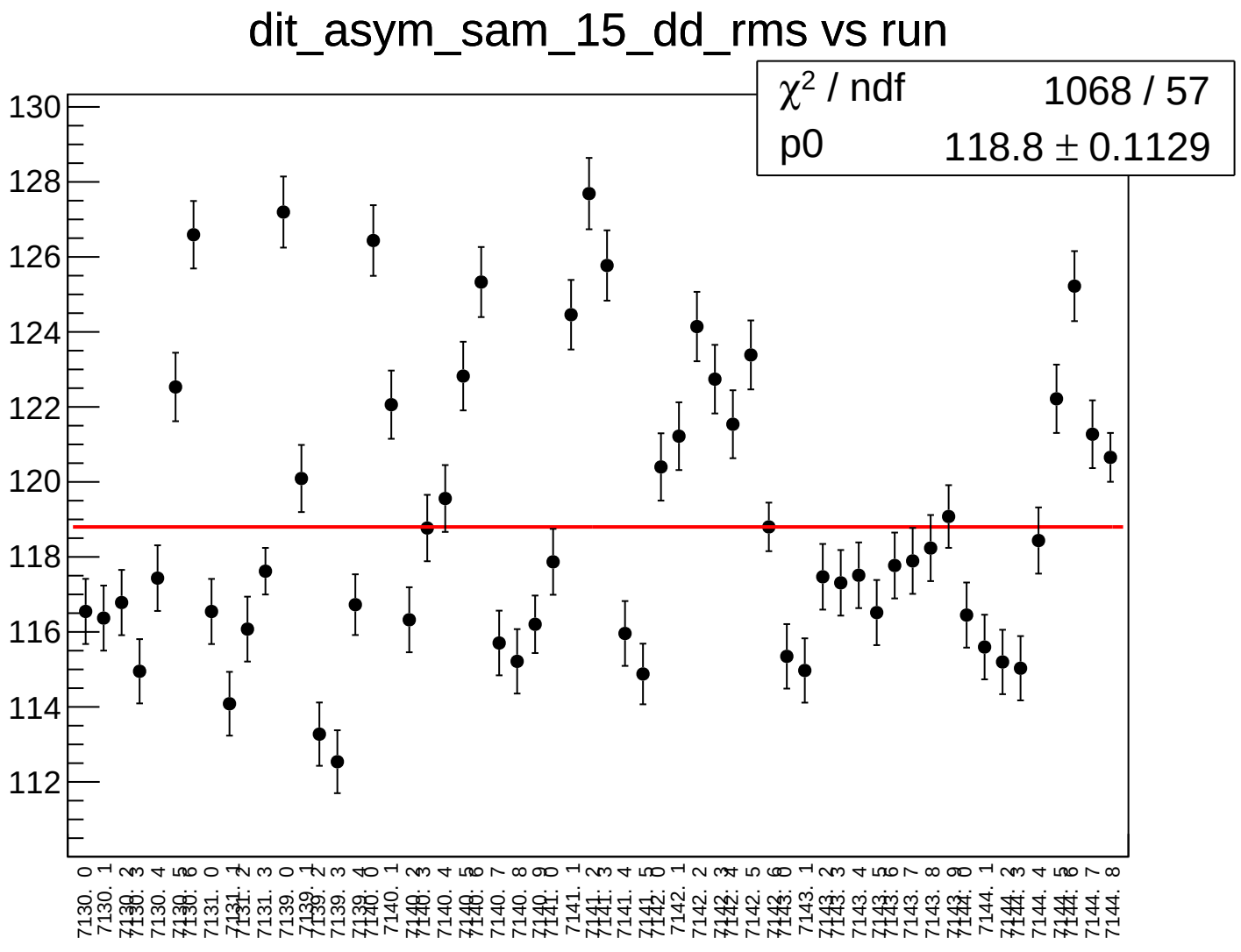

asym_sam_48_avg_mean vs run
χ² / ndf 67.91 / 57
p0 −2058 ± 1359
pull
Entries 58
Mean 560.8
Std Dev 530.1

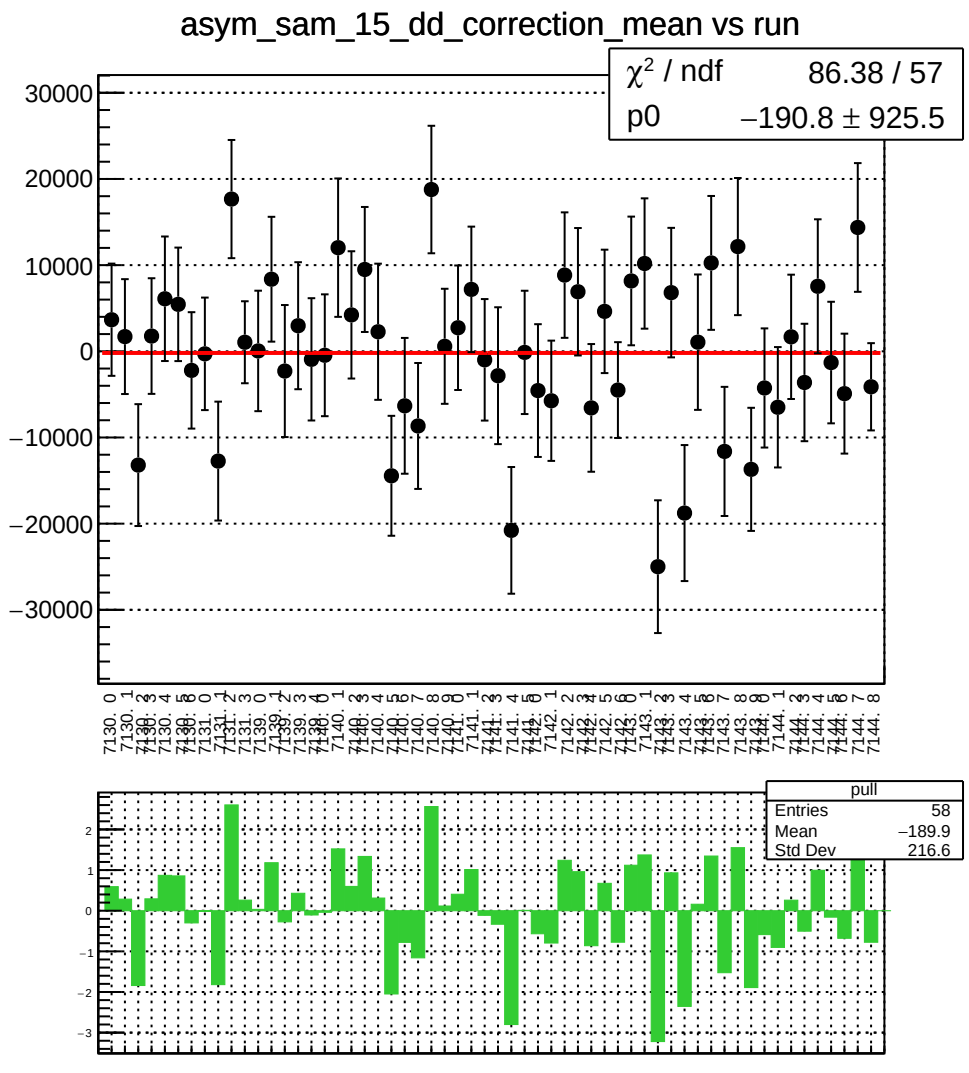

pull1D
Entries 58
Mean 0.005134
Std Dev 1.082

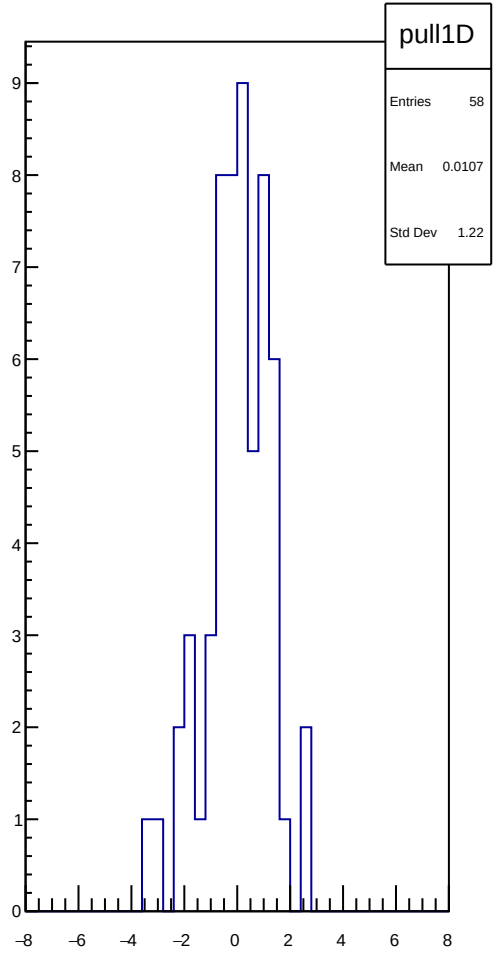

asym_sam_48_avg_rms vs run
χ² / ndf 8431 / 57
p0 1008 ± 0.9612
1500
1400
1300
1200
1100
1000
900
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 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

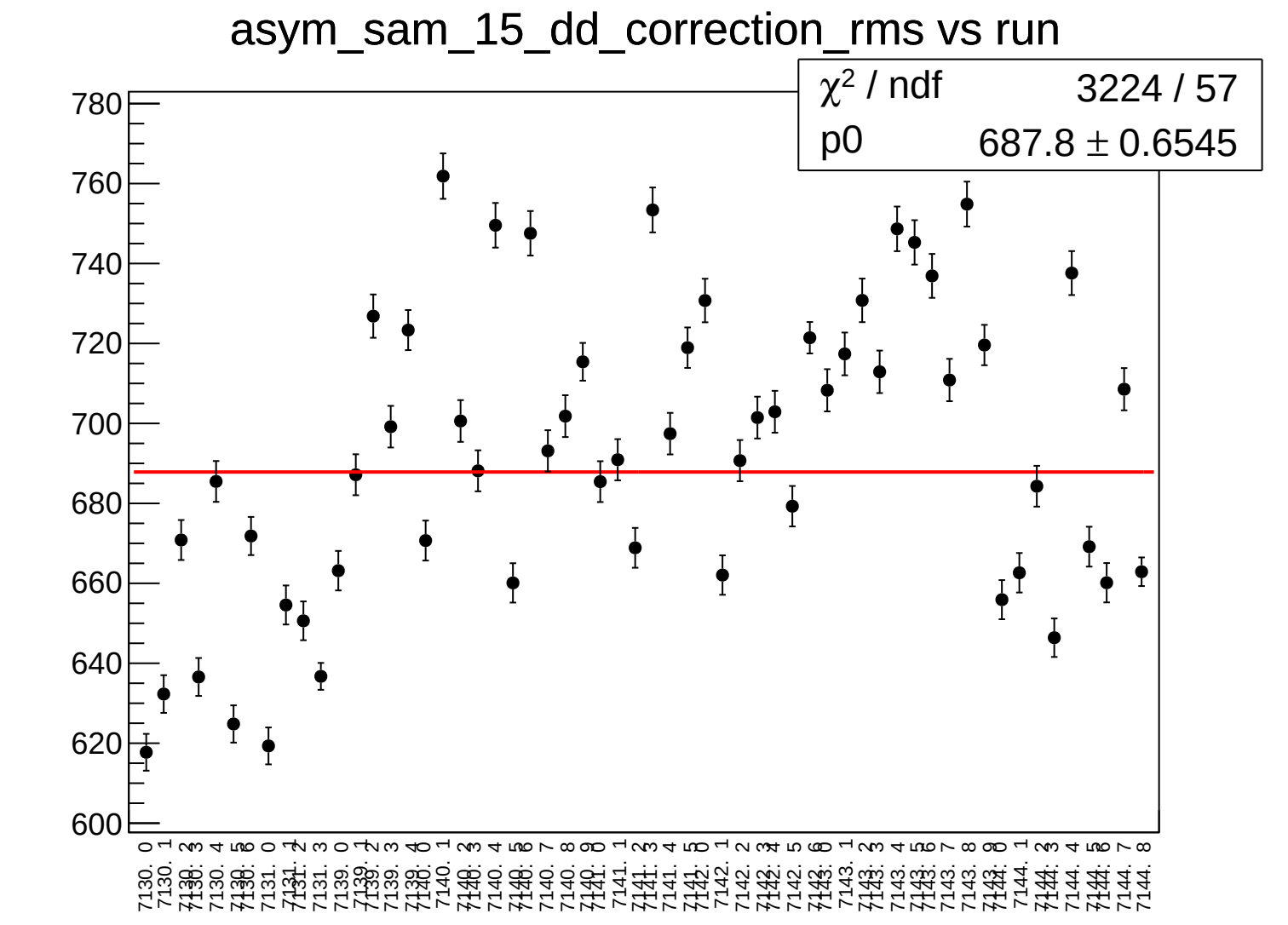

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 63.79 / 57
p0 411.1 ± 159.7
pull
Entries 58
Mean −10.29
Std Dev 20.28

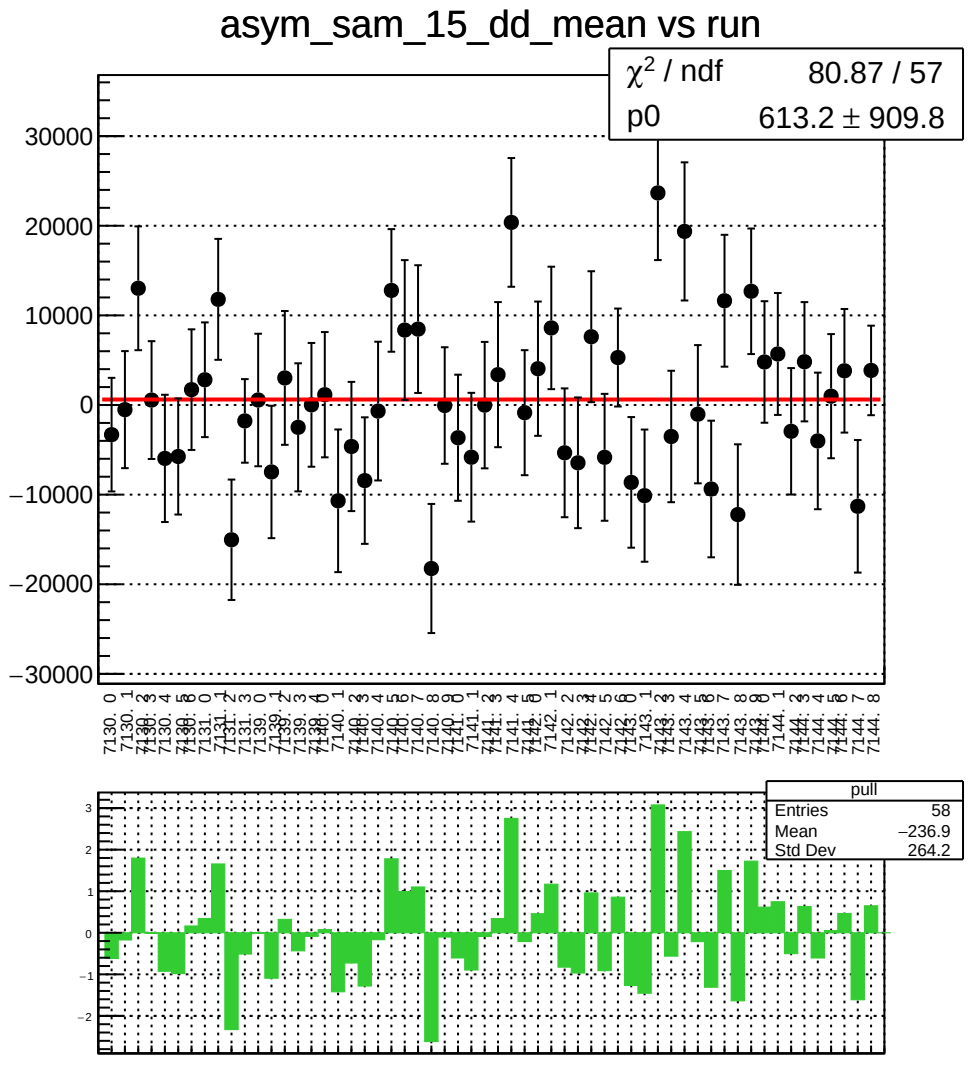

pull1D
Entries 58
Mean 0.01741
Std Dev 1.049

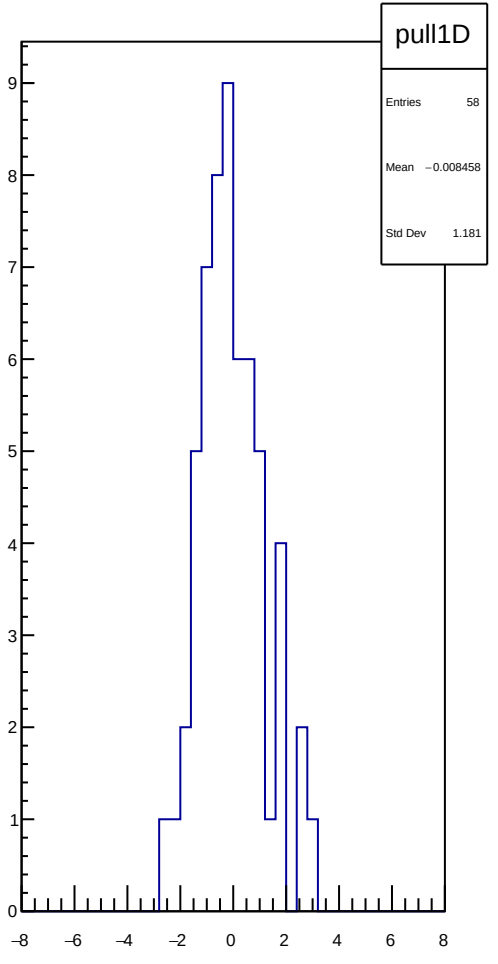

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 1068 / 57
p0 118.8 ± 0.1129
130
128
126
124
122
120
118
116
114
112

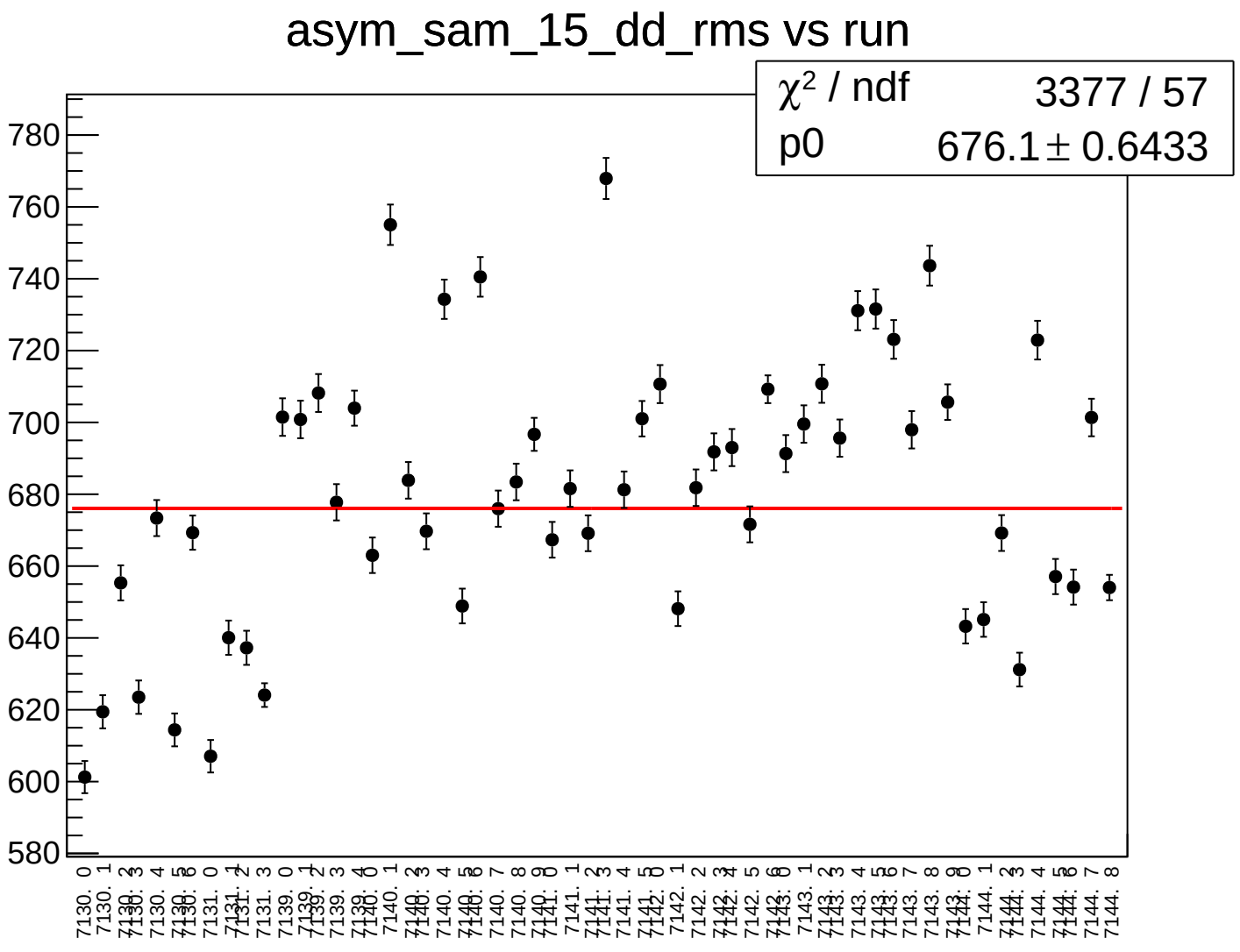

asym_sam_15_dd_correction_mean vs run
χ² / ndf 86.38 / 57
p0 −190.8 ± 925.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 58
Mean −189.9
Std Dev 216.6
2
1
0
−1
−2
−3

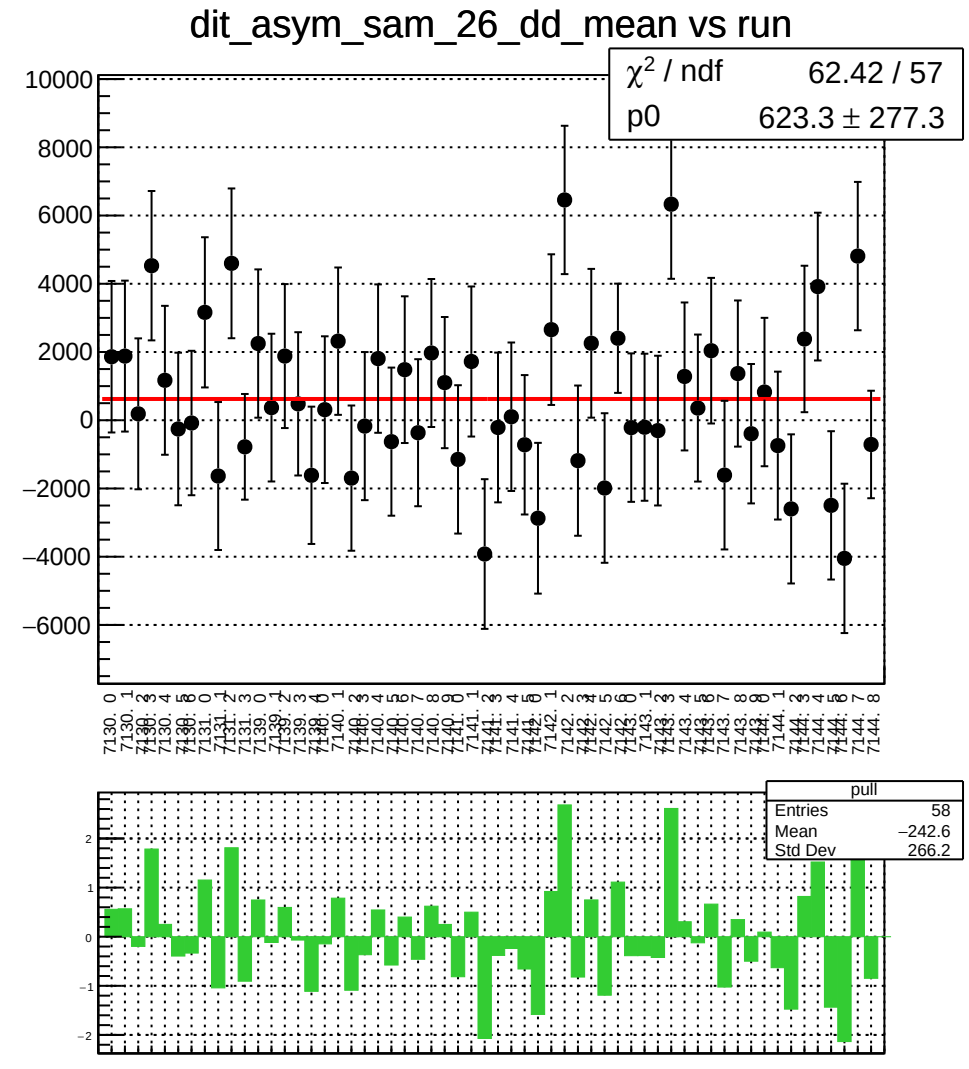

pull1D
Entries 58
Mean 0.0107
Std Dev 1.22
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

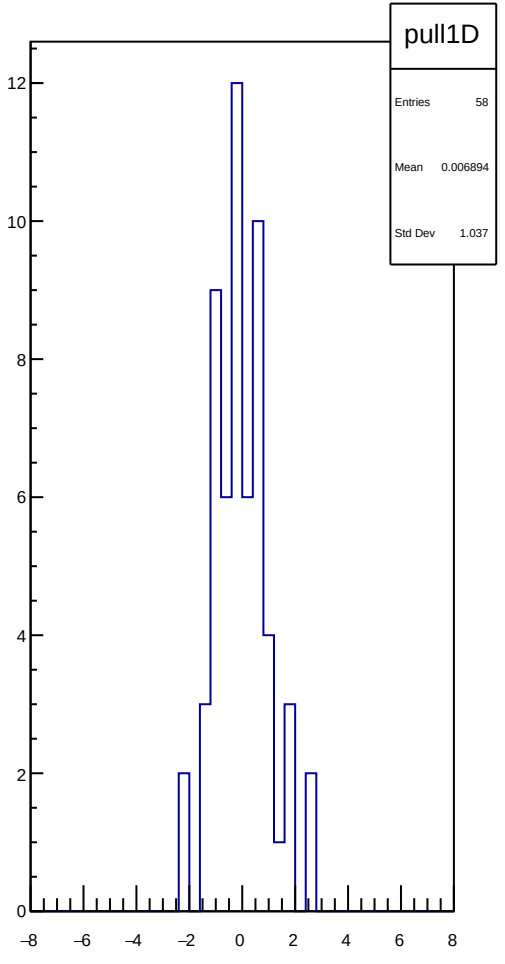

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3224 / 57
p0 687.8 ± 0.6545
780
760
740
720
700
680
660
640
620
600

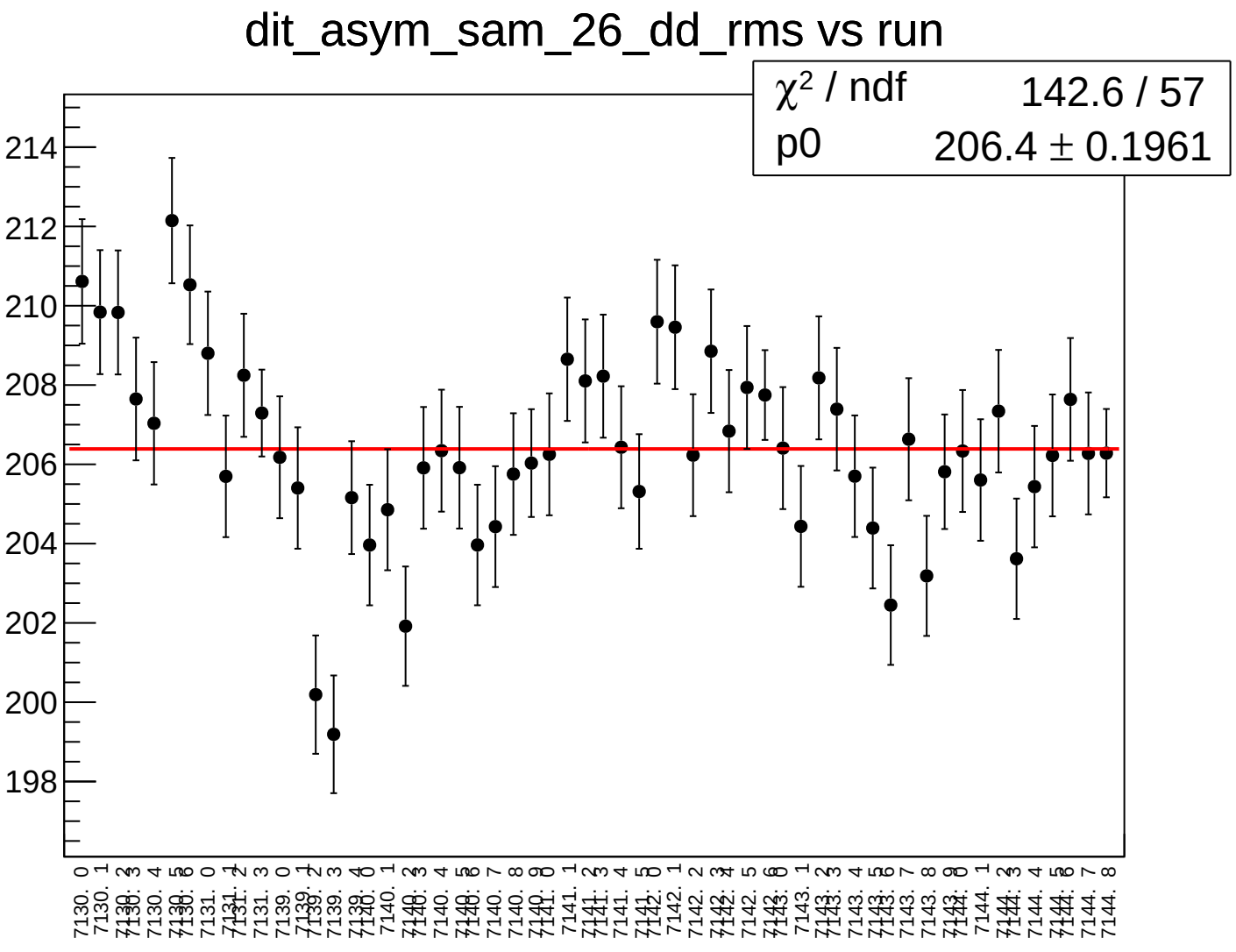

asym_sam_15_dd_mean vs run
χ² / ndf 80.87 / 57
p0 613.2 ± 909.8
pull
Entries 58
Mean −236.9
Std Dev 264.2

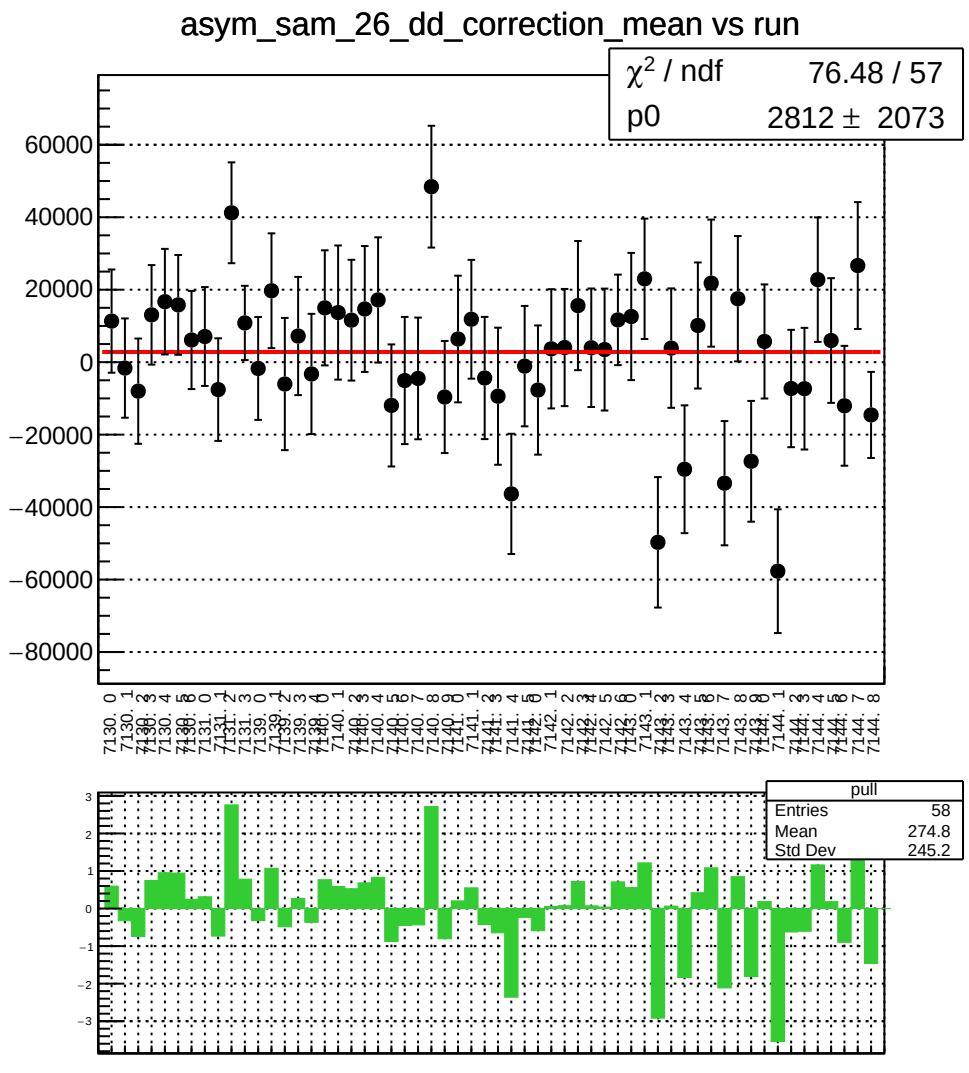

pull1D
Entries 58
Mean −0.008458
Std Dev 1.181

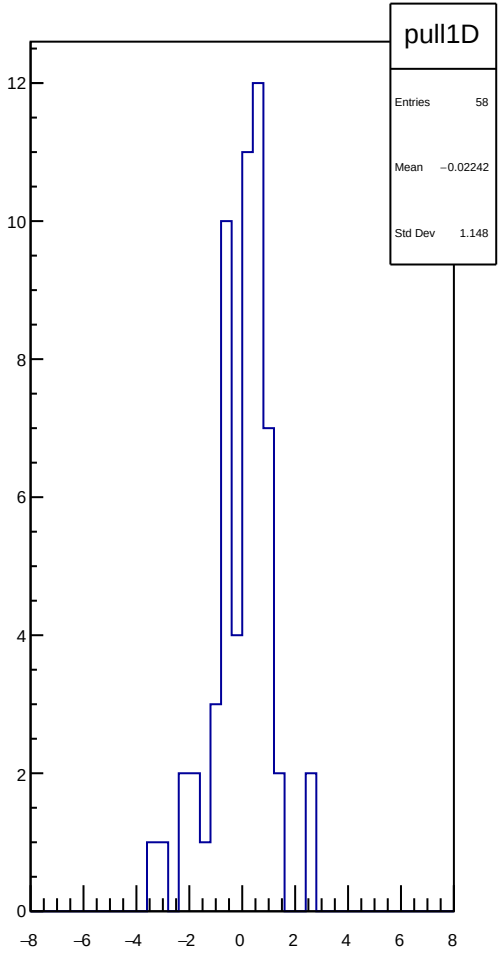

asym_sam_15_dd_rms vs run
χ² / ndf 3377 / 57
p0 676.1 ± 0.6433
780
760
740
720
700
680
660
640
620
600
580

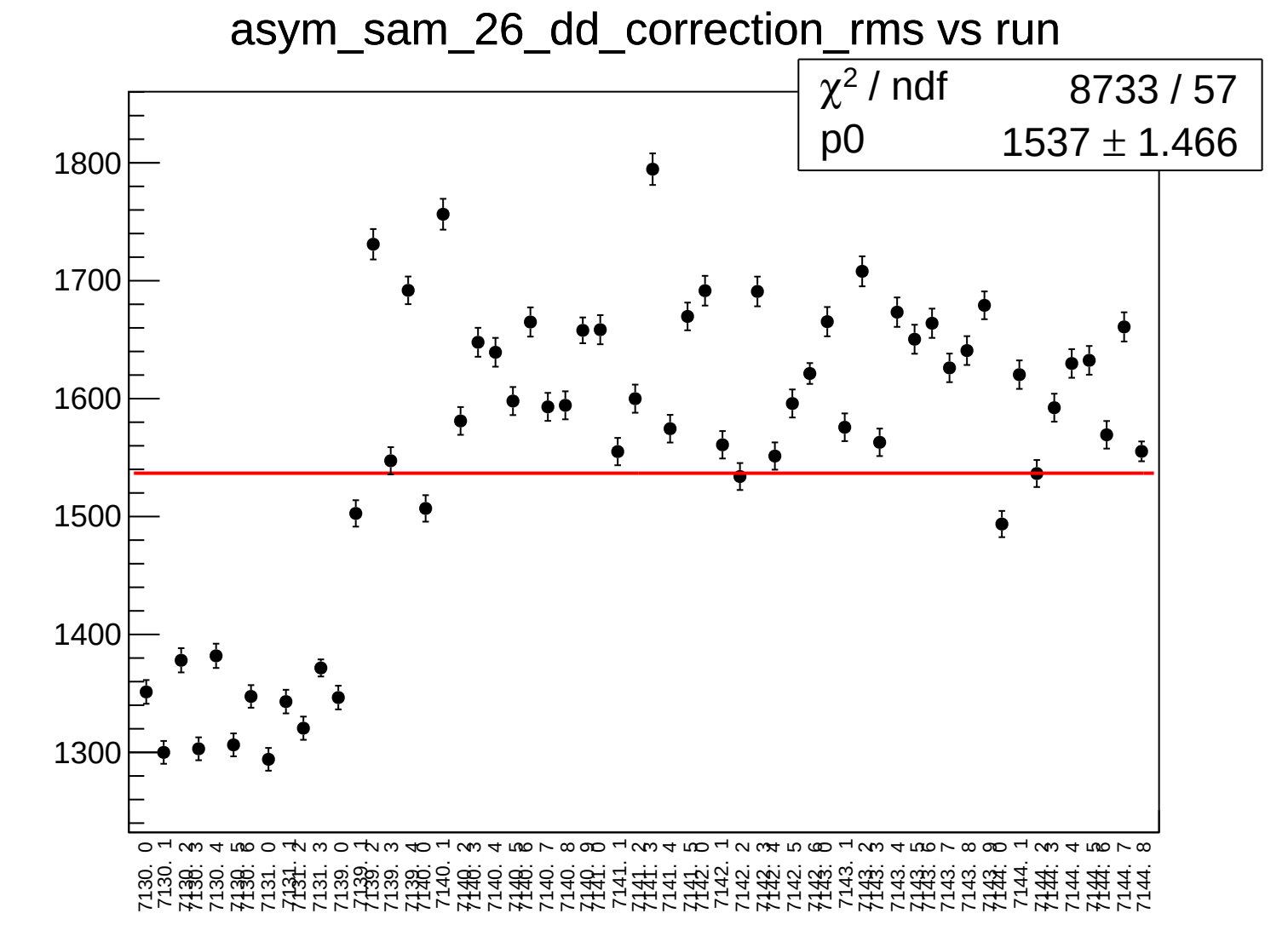

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 62.42 / 57
p0 623.3 ± 277.3
pull
Entries 58
Mean −242.6
Std Dev 266.2

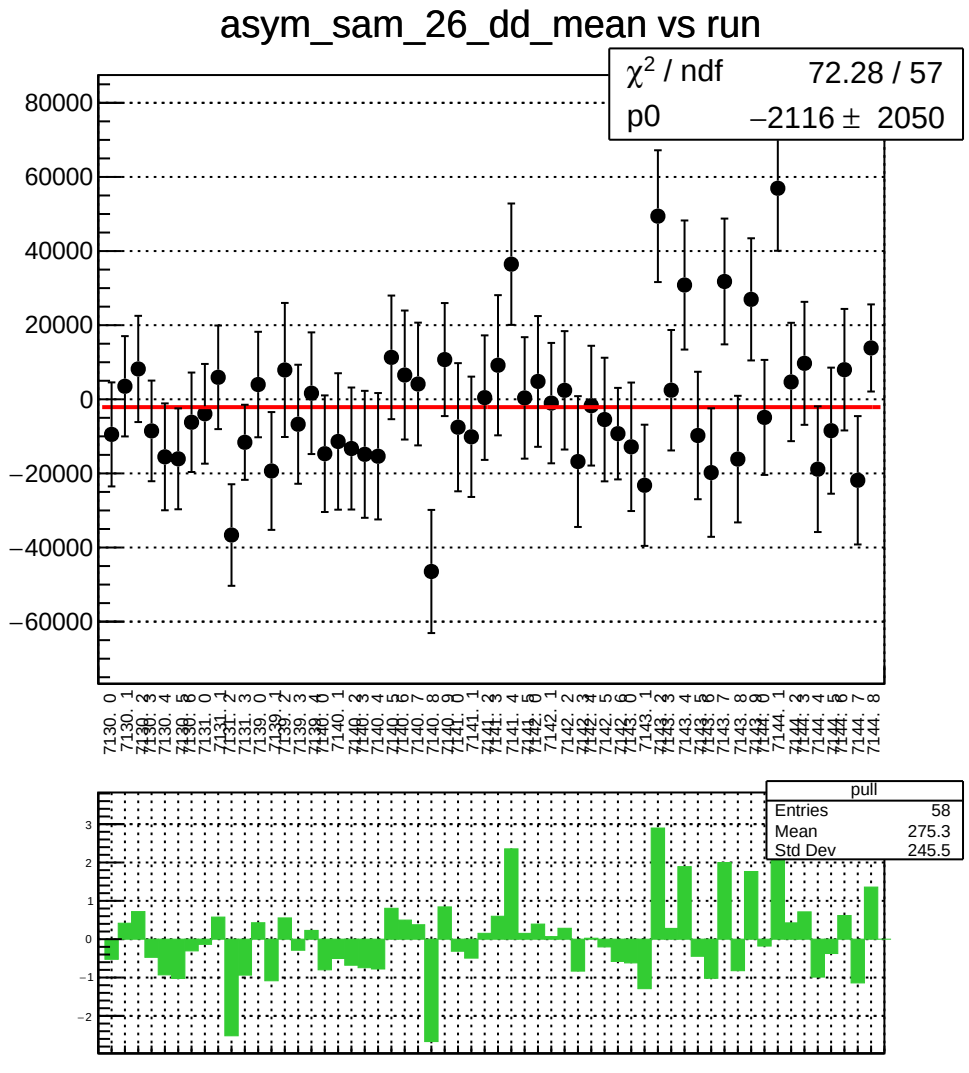

pull1D
Entries 58
Mean 0.006894
Std Dev 1.037

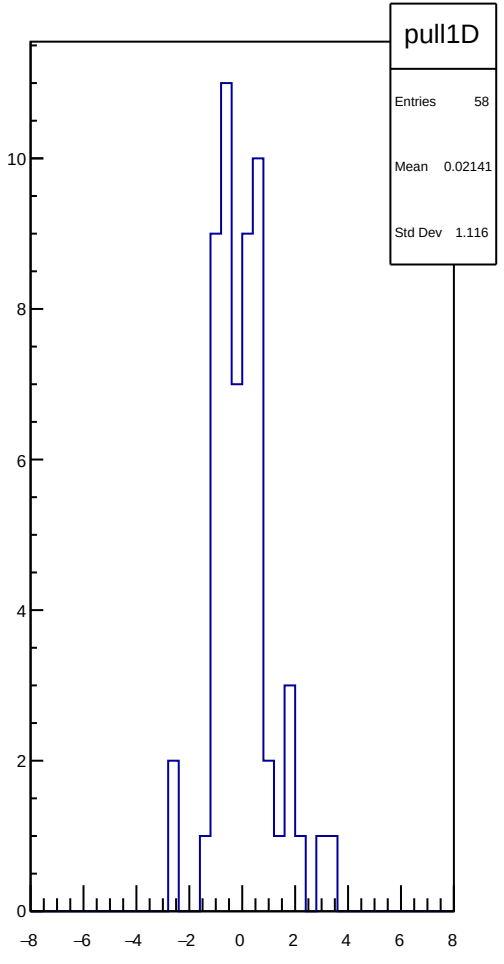

dit_asym_sam_26_dd_rms vs run
χ² / ndf 142.6 / 57
p0 206.4 ± 0.1961
214
212
210
208
206
204
202
200
198

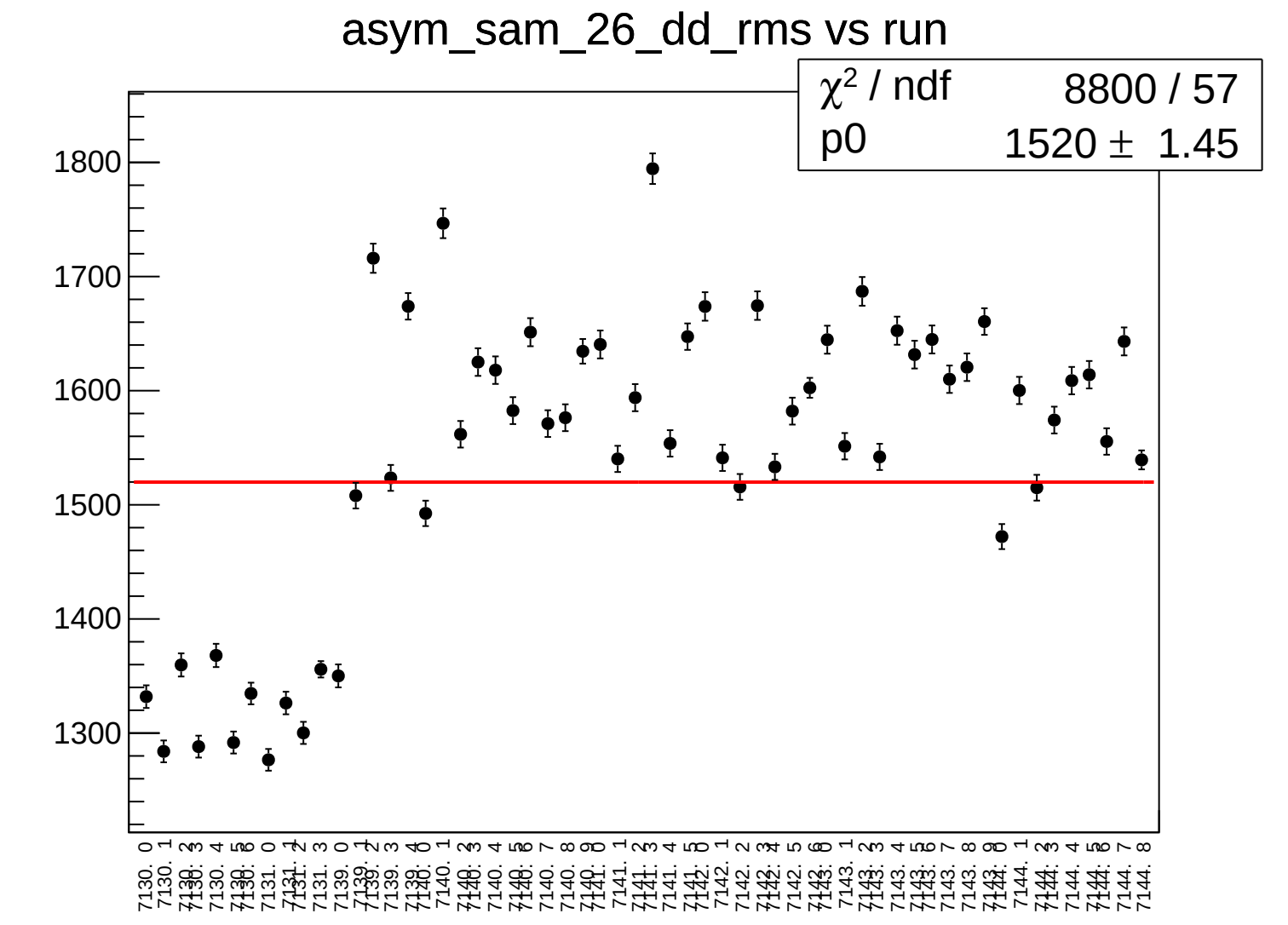

asym_sam_26_dd_correction_mean vs run
χ² / ndf 76.48 / 57
p0 2812 ± 2073
pull
Entries 58
Mean 274.8
Std Dev 245.2

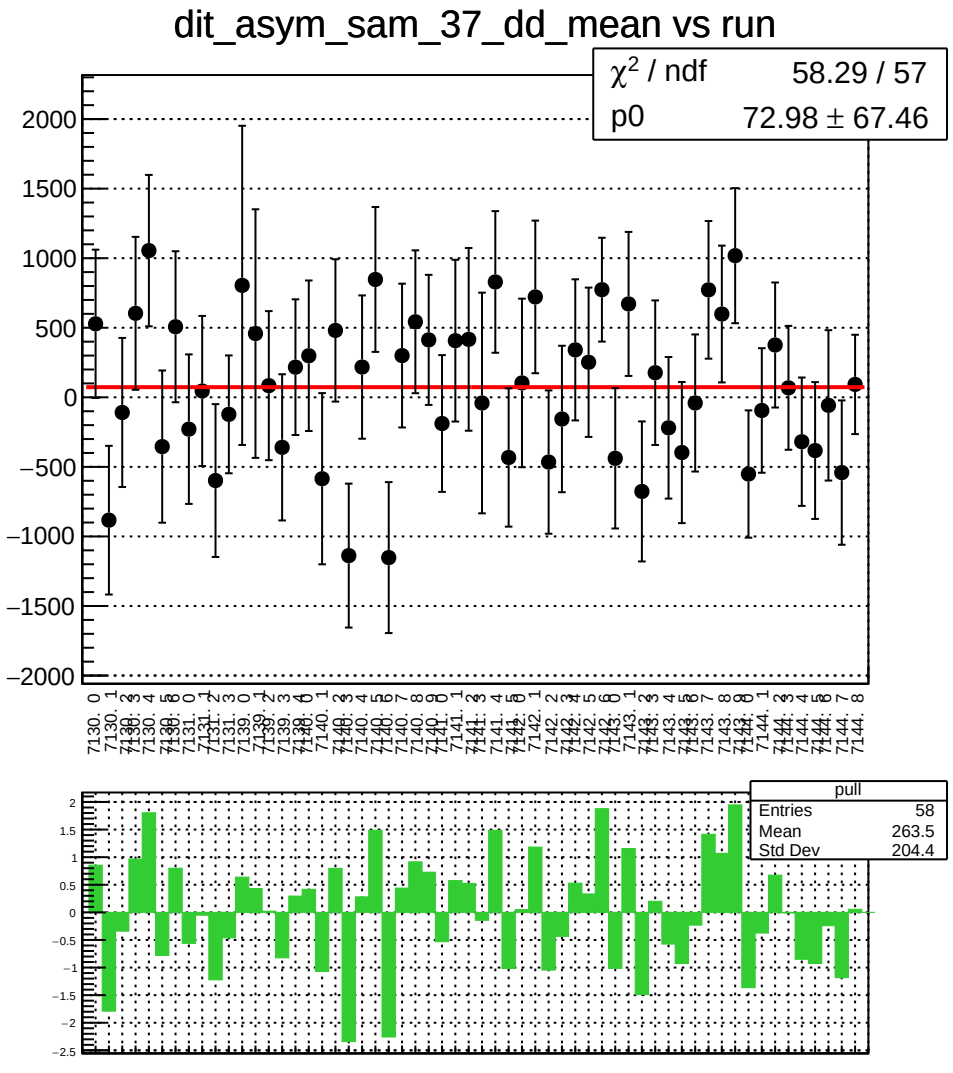

pull1D
Entries 58
Mean −0.02242
Std Dev 1.148

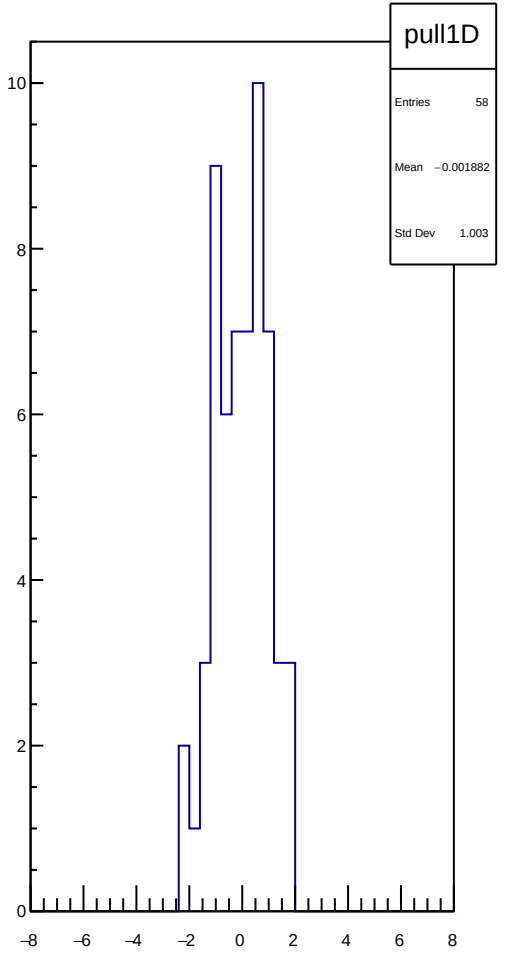

asym_sam_26_dd_correction_rms vs run
χ² / ndf 8733 / 57
p0 1537 ± 1.466
1800
1700
1600
1500
1400
1300

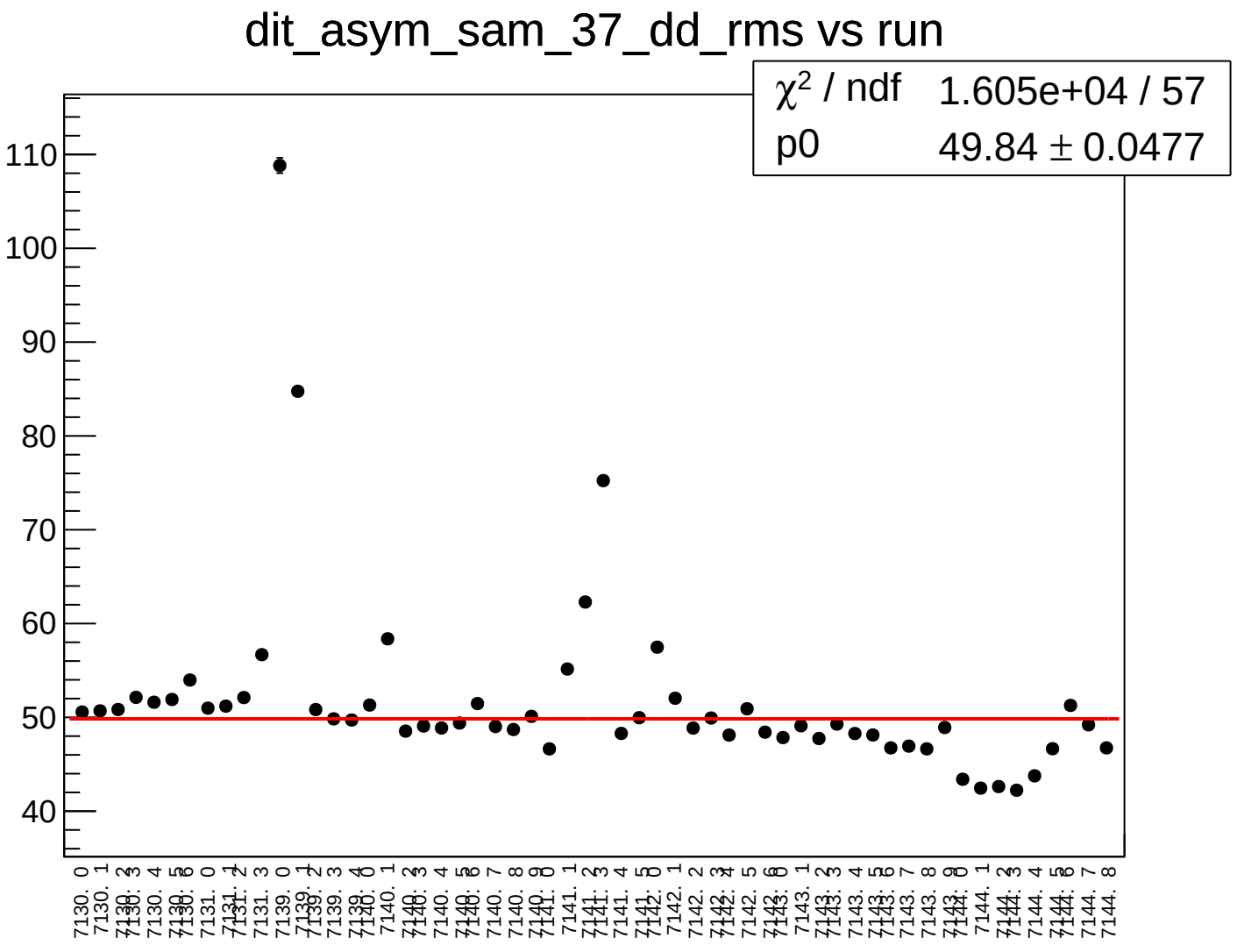

asym_sam_26_dd_mean vs run
χ² / ndf 72.28 / 57
p0 −2116 ± 2050
pull
Entries 58
Mean 275.3
Std Dev 245.5

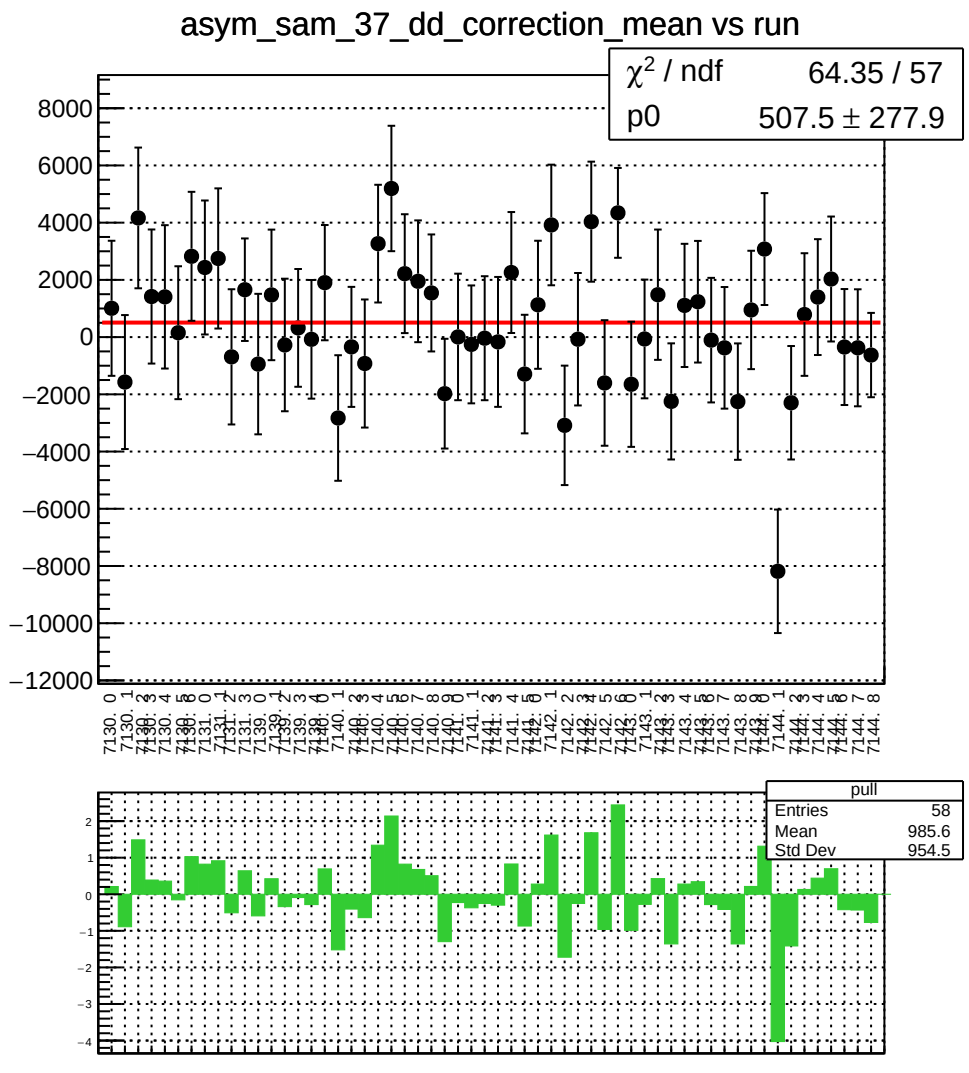

pull1D
Entries 58
Mean 0.02141
Std Dev 1.116

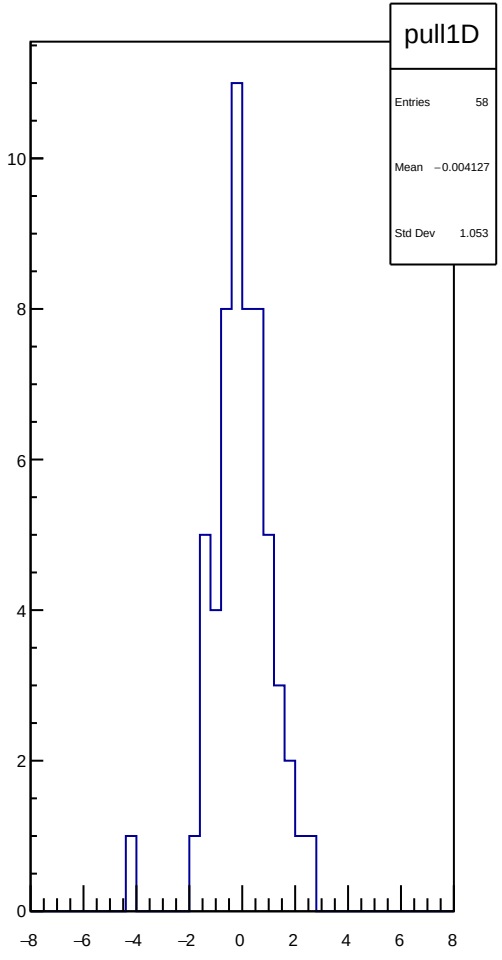

asym_sam_26_dd_rms vs run
χ² / ndf 8800 / 57
p0 1520 ± 1.45
1800
1700
1600
1500
1400
1300
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9
7141. 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

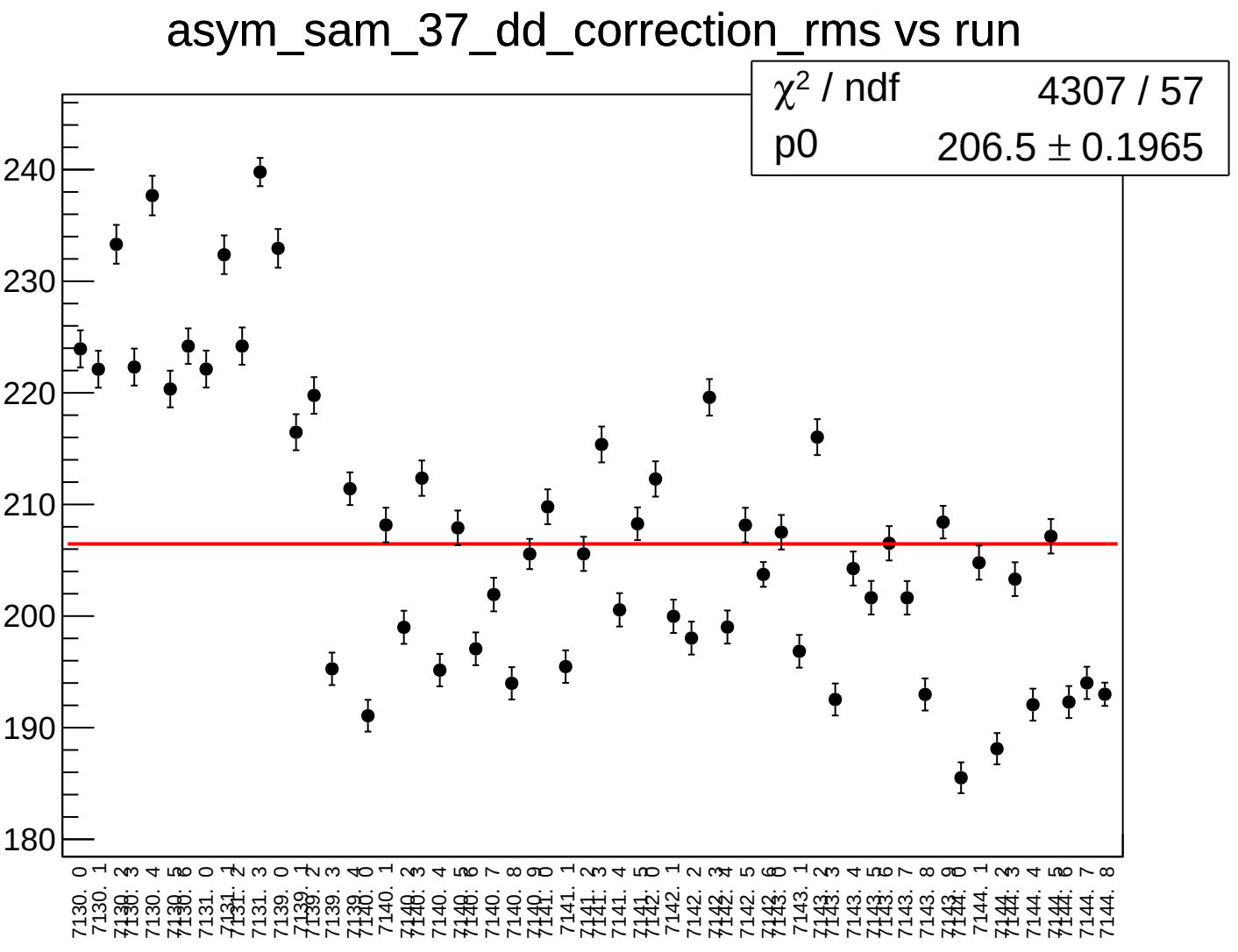

dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 58.29 / 57
p0 72.98 ± 67.46
pull
Entries 58
Mean 263.5
Std Dev 204.4

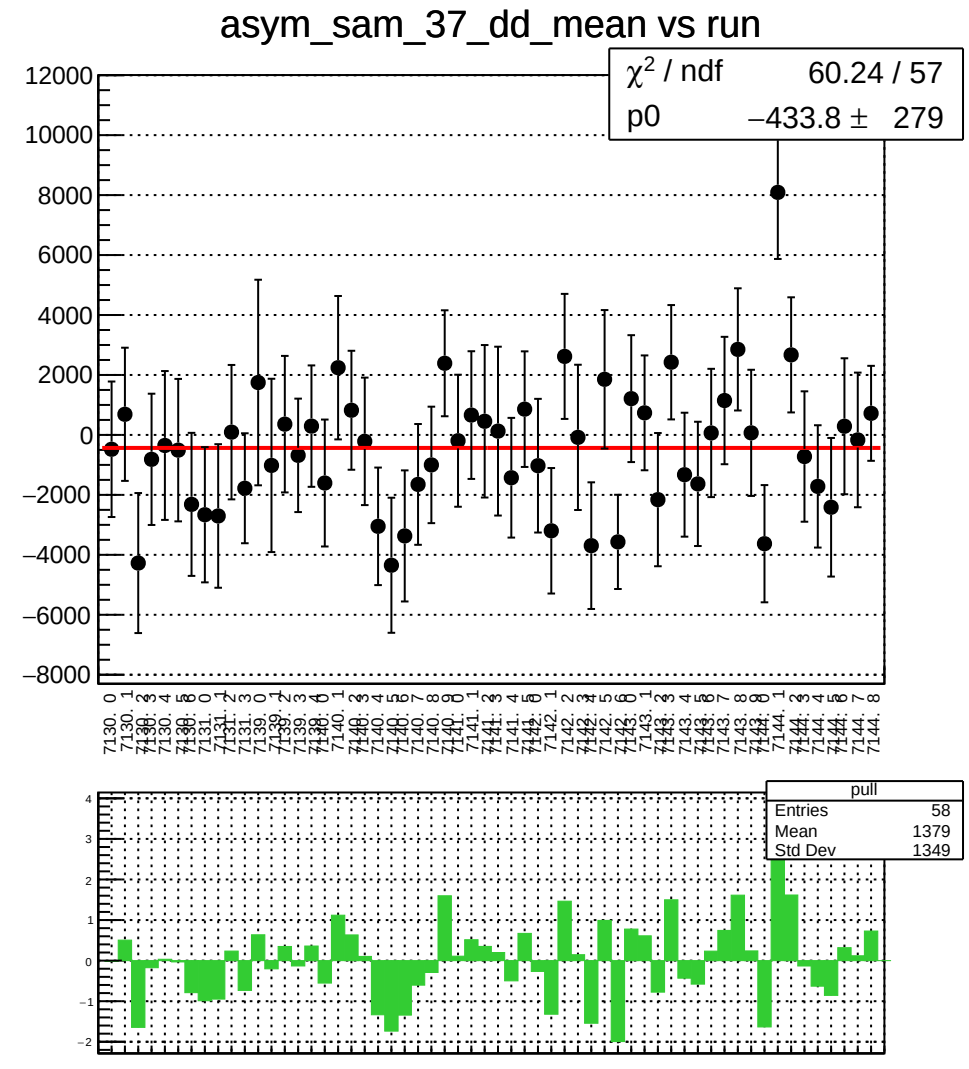

pull1D
Entries 58
Mean −0.001882
Std Dev 1.003

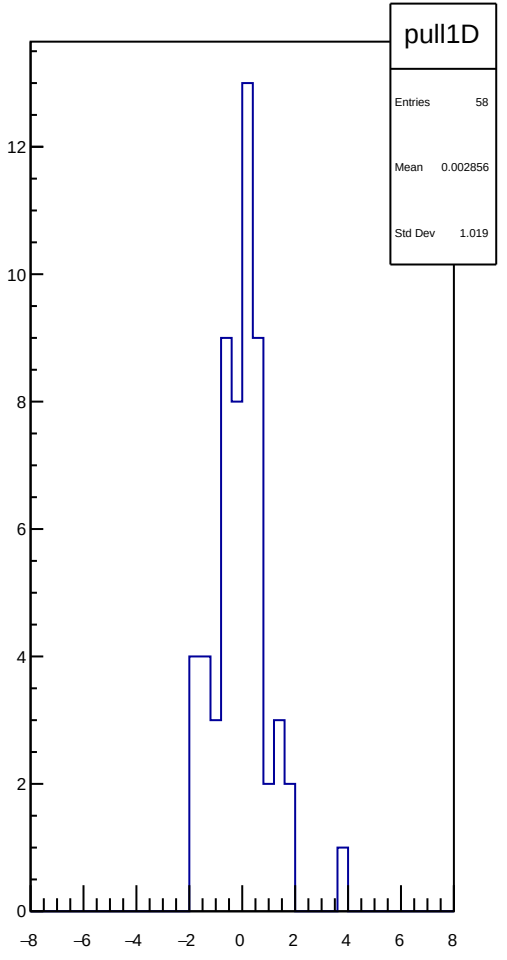

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.605e+04 / 57
p0 49.84 ± 0.0477
110
100
90
80
70
60
50
40

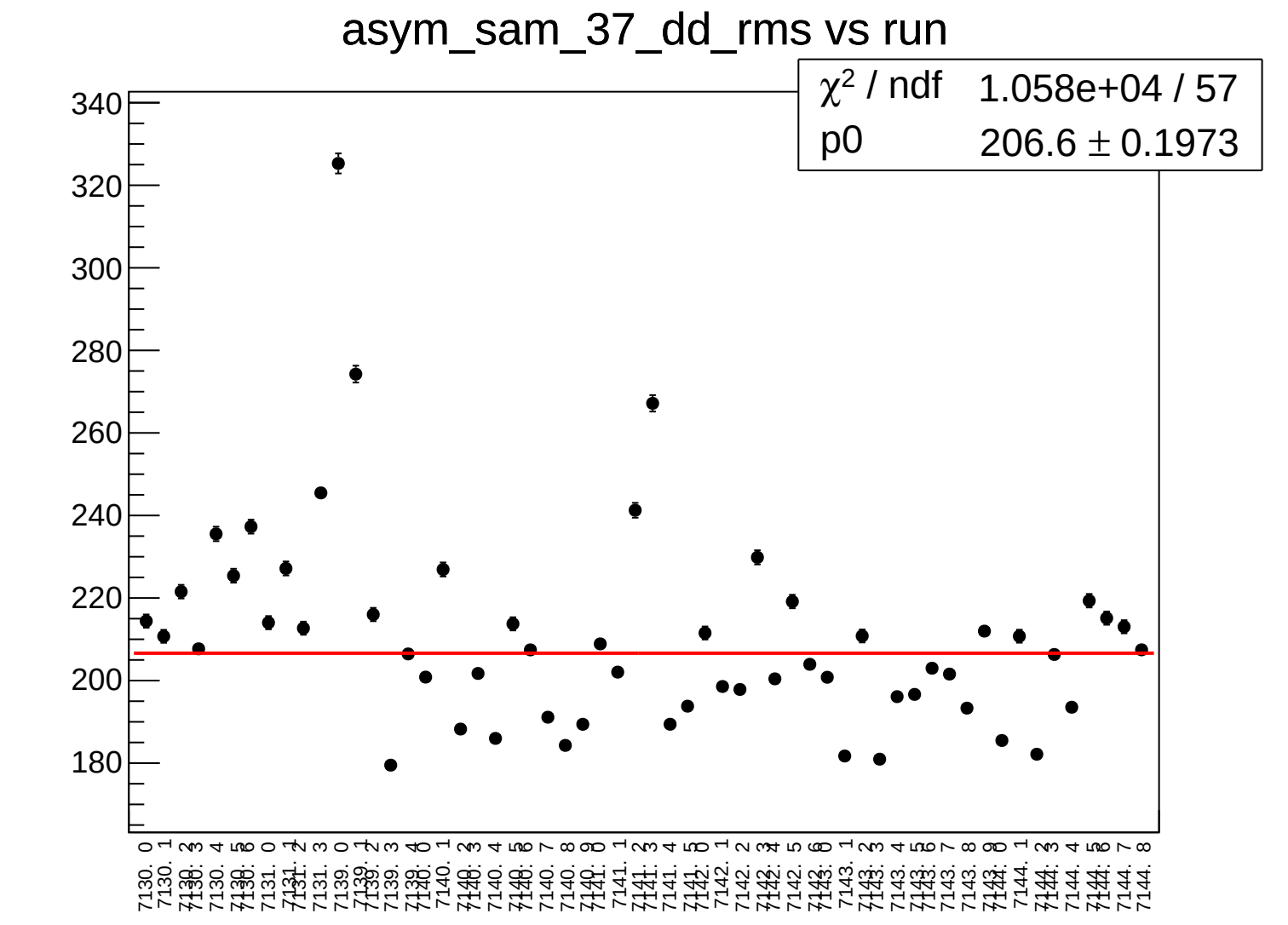

asym_sam_37_dd_correction_mean vs run
χ² / ndf 64.35 / 57
p0 507.5 ± 277.9
pull
Entries 58
Mean 985.6
Std Dev 954.5

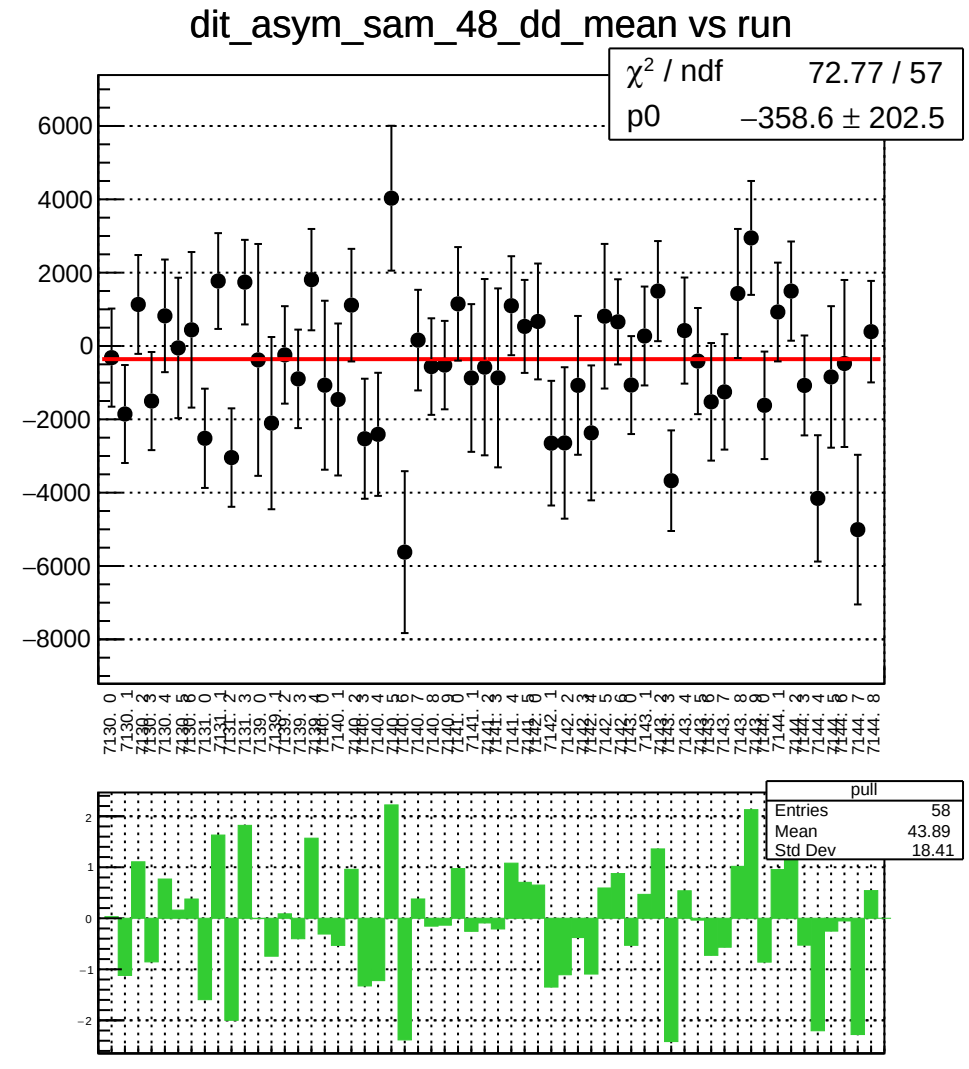

pull1D
Entries 58
Mean −0.004127
Std Dev 1.053

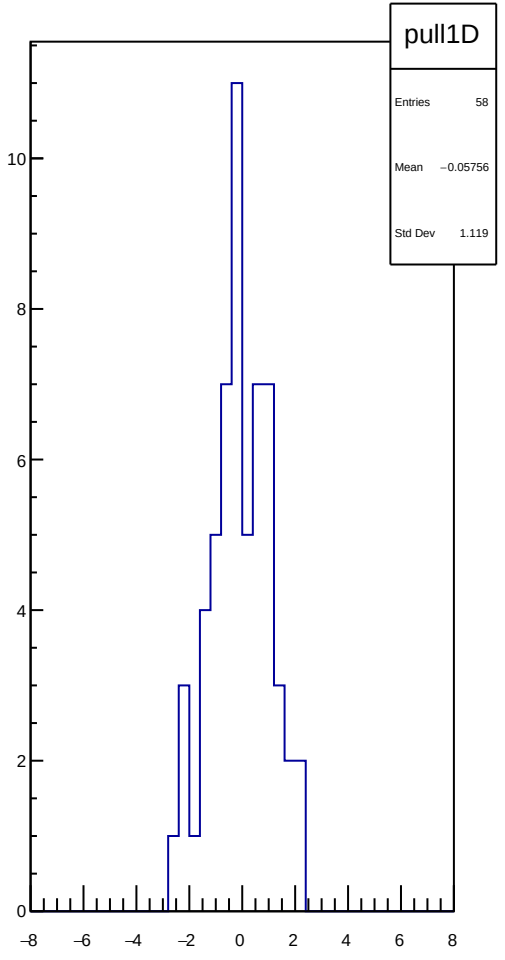

asym_sam_37_dd_correction_rms vs run
χ² / ndf 4307 / 57
p0 206.5 ± 0.1965
240
230
220
210
200
190
180
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
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

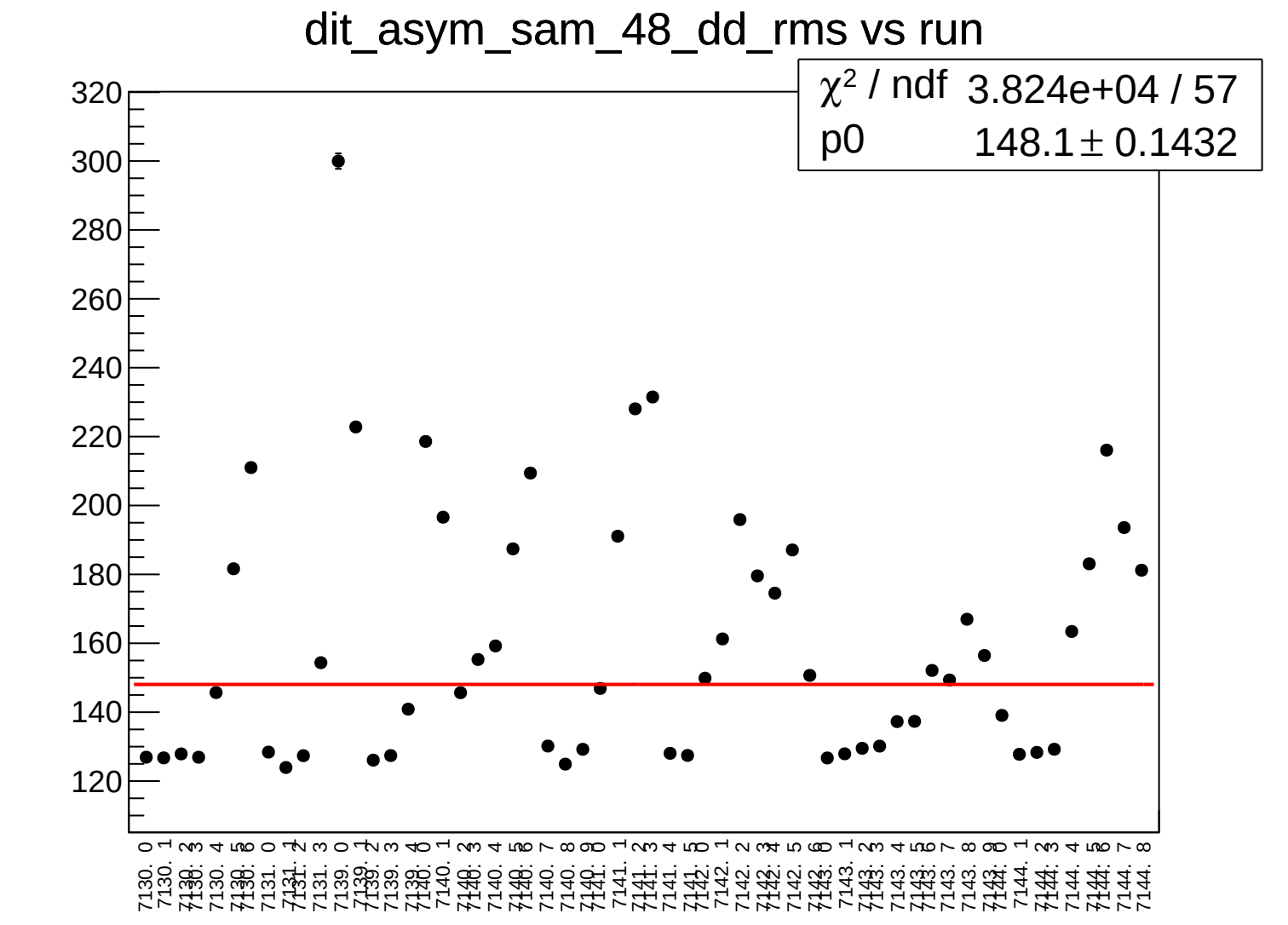

asym_sam_37_dd_mean vs run
χ² / ndf 60.24 / 57
p0 −433.8 ± 279
pull
Entries 58
Mean 1379
Std Dev 1349

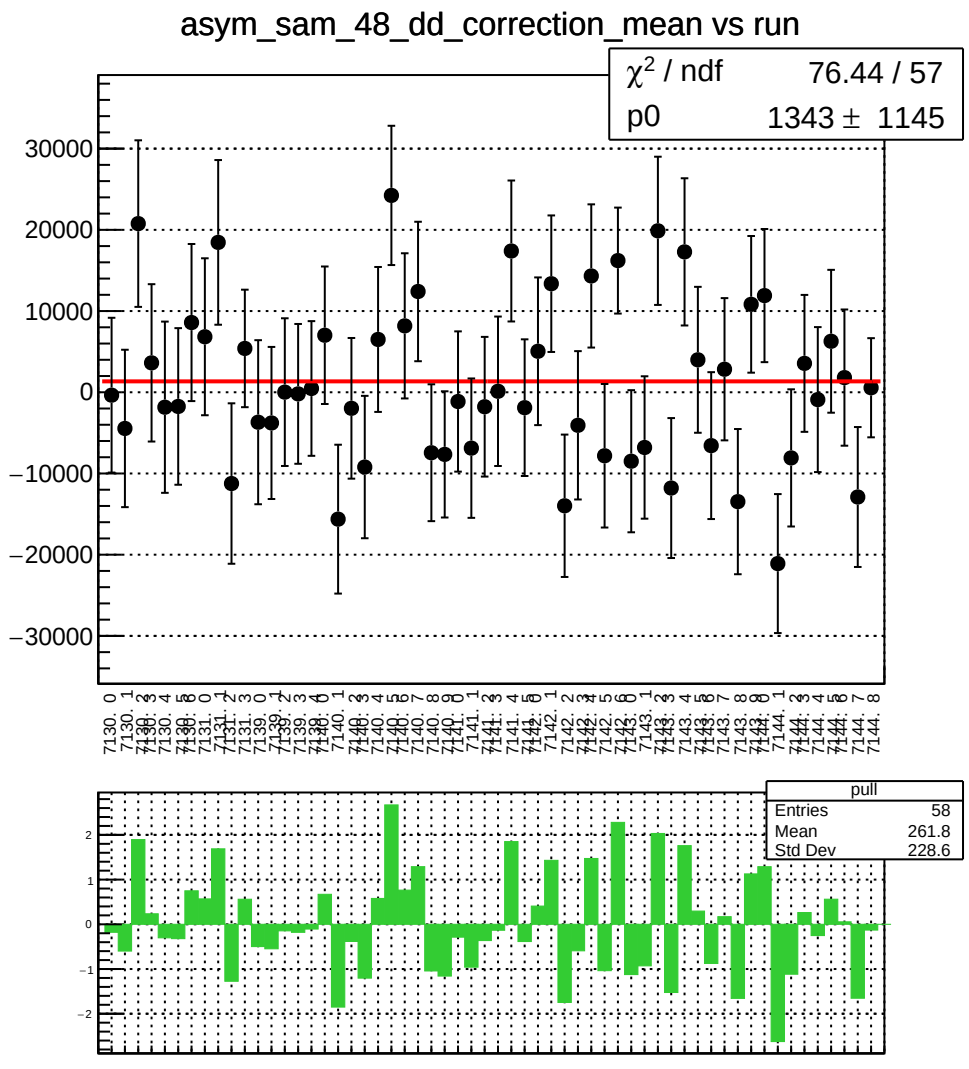

pull1D
Entries 58
Mean 0.002856
Std Dev 1.019

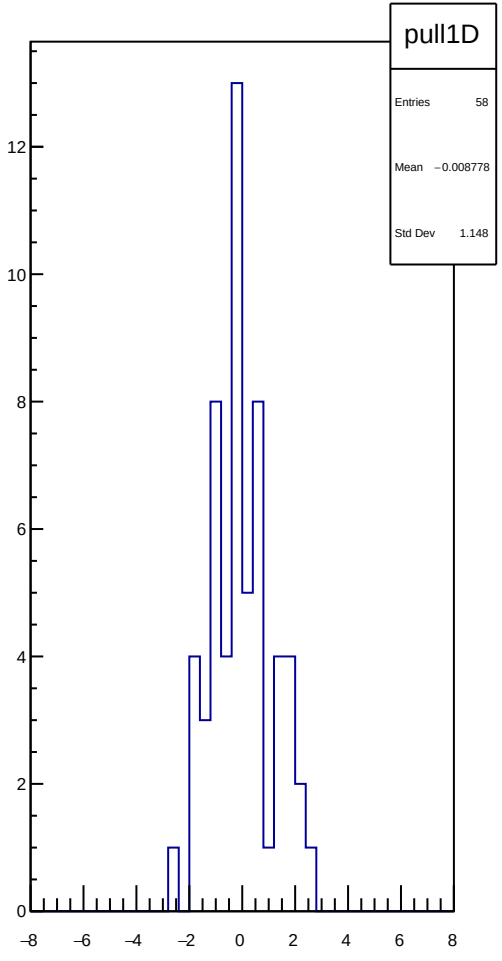

asym_sam_37_dd_rms vs run
χ^2 / ndf 1.058e+04 / 57
p0 206.6 ± 0.1973
340
320
300
280
260
240
220
200
180

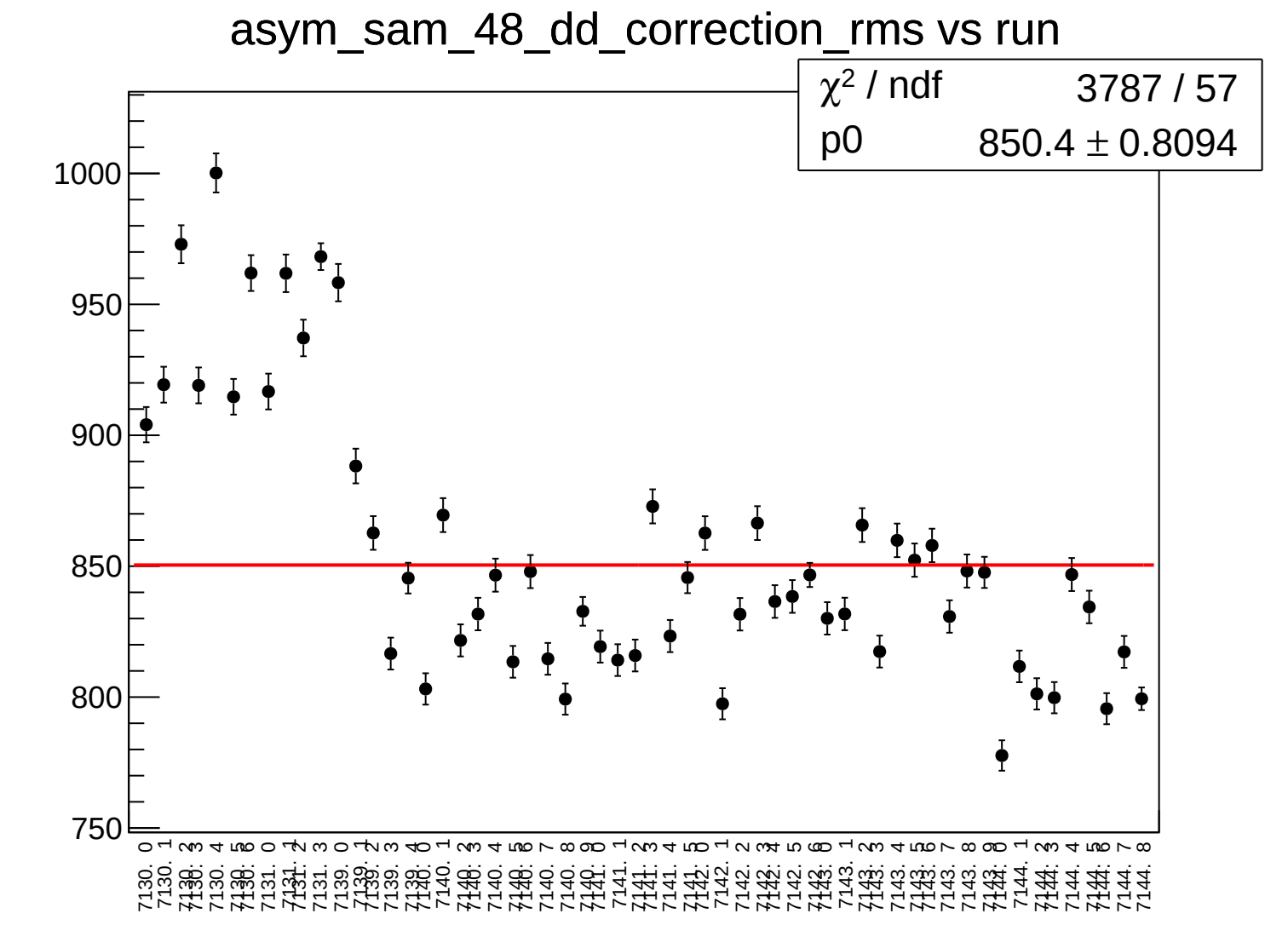

dit_asym_sam_48_dd_mean vs run
χ² / ndf 72.77 / 57
p0 −358.6 ± 202.5
pull
Entries 58
Mean 43.89
Std Dev 18.41

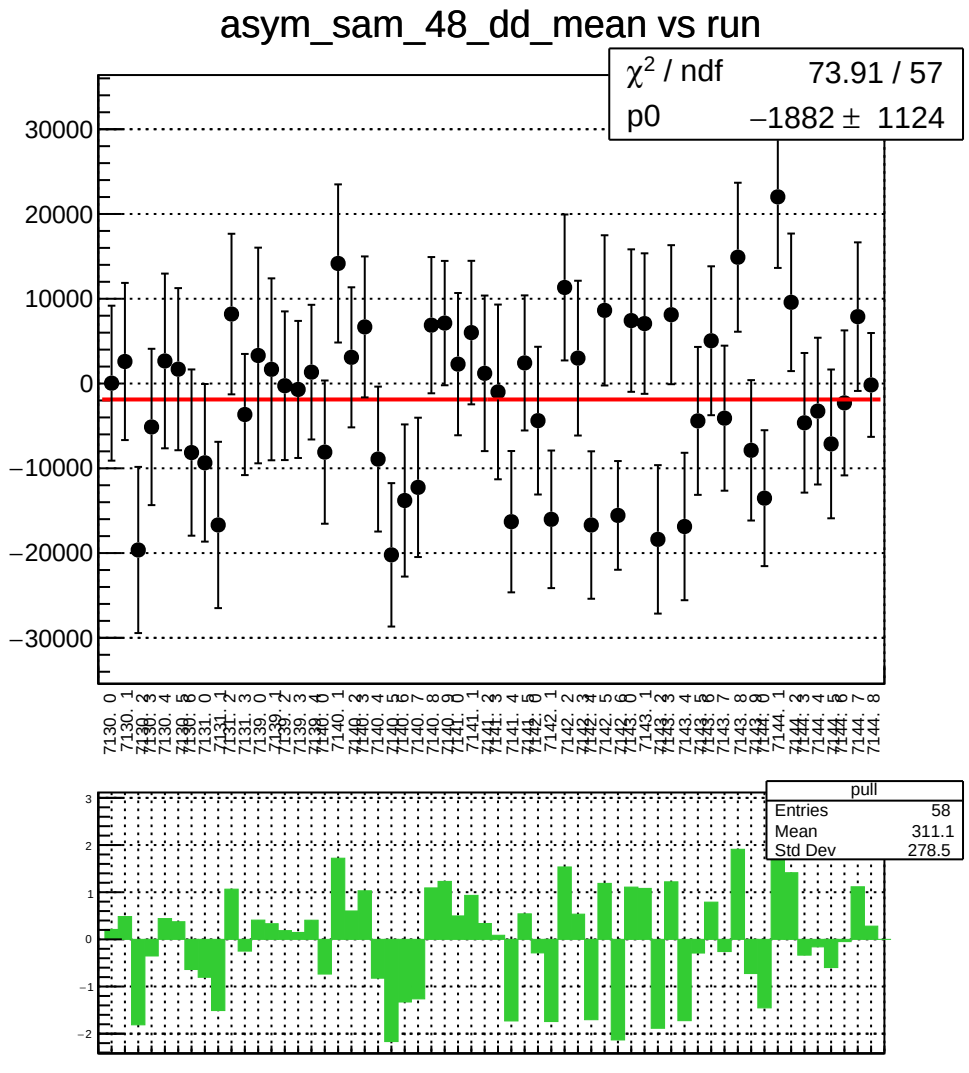

pull1D
Entries 58
Mean −0.05756
Std Dev 1.119

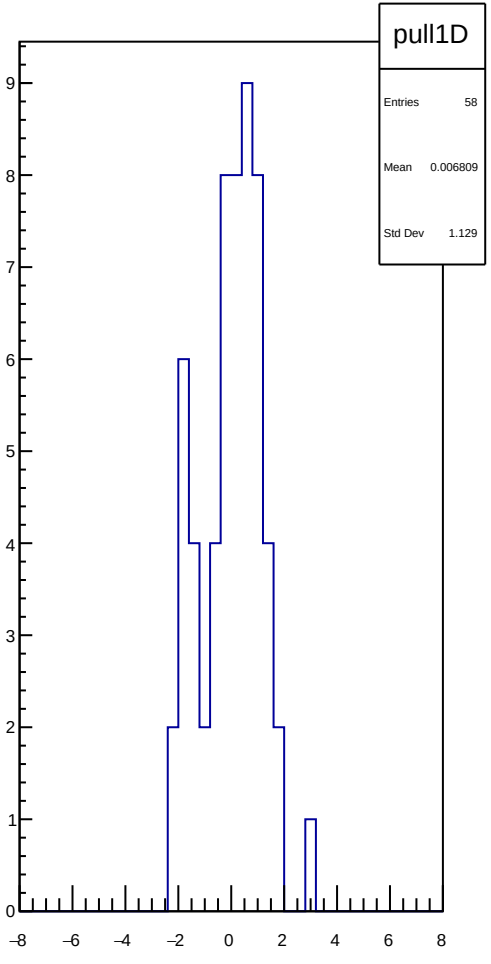

dit_asym_sam_48_dd_rms vs run
χ² / ndf 3.824e+04 / 57
p0 148.1 ± 0.1432
320
300
280
260
240
220
200
180
160
140
120

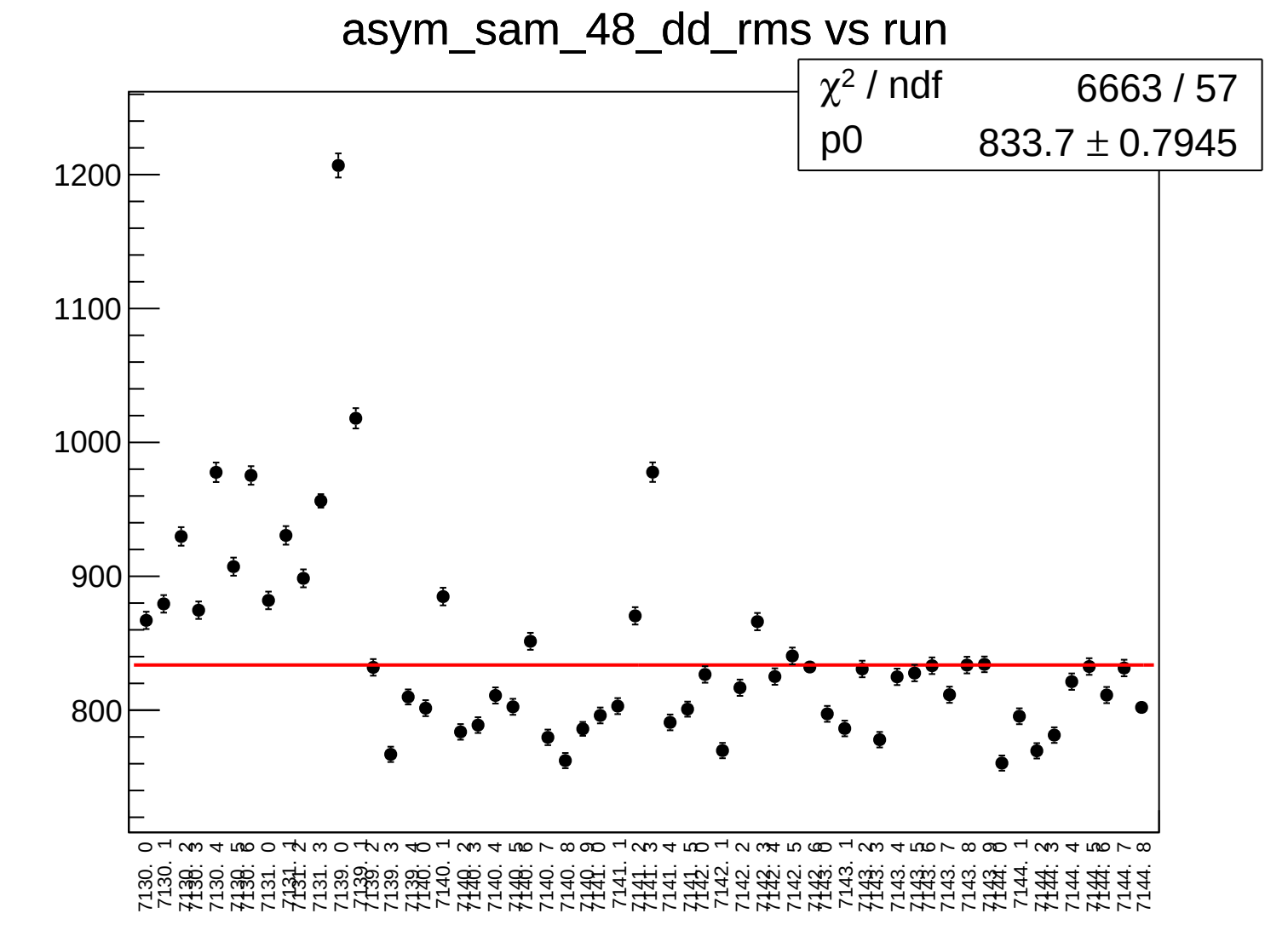

asym_sam_48_dd_correction_mean vs run
χ² / ndf 76.44 / 57
p0 1343 ± 1145
pull
Entries 58
Mean 261.8
Std Dev 228.6

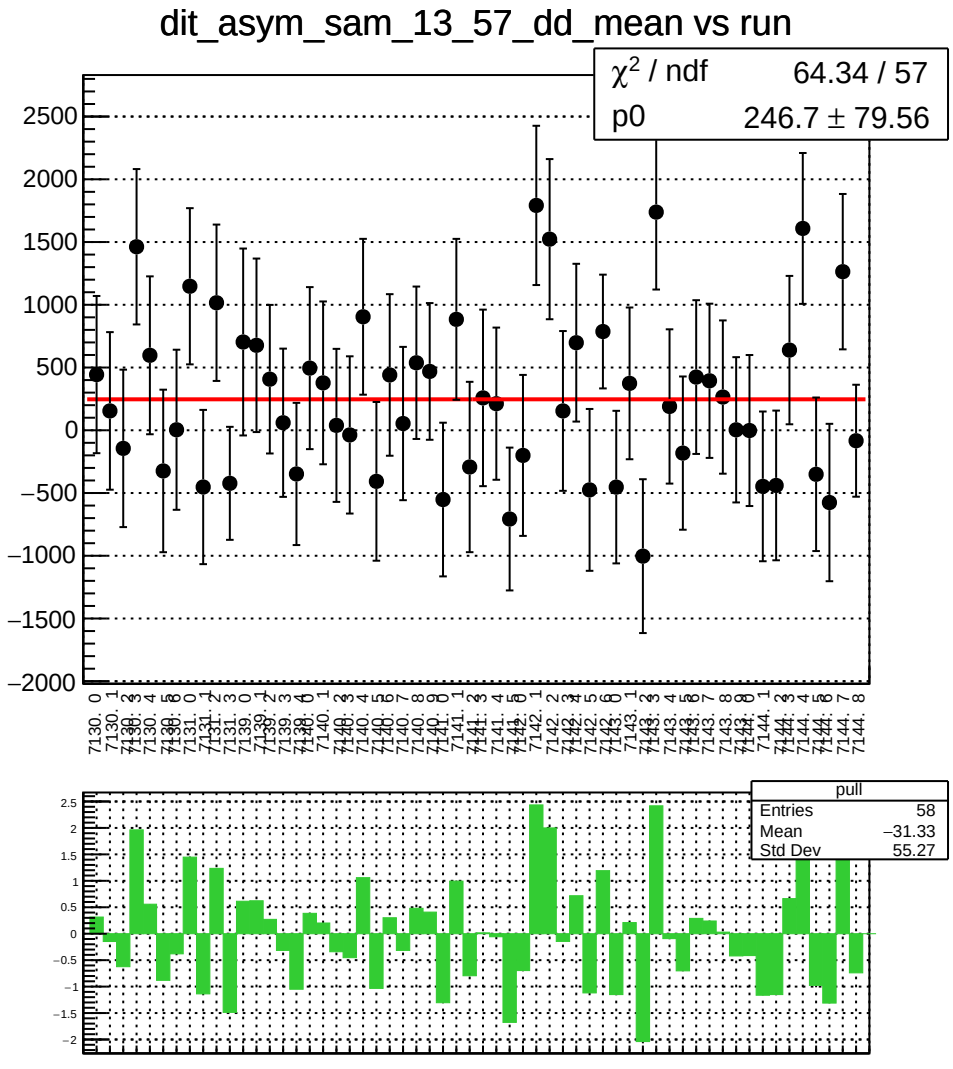

pull1D
Entries 58
Mean −0.008778
Std Dev 1.148

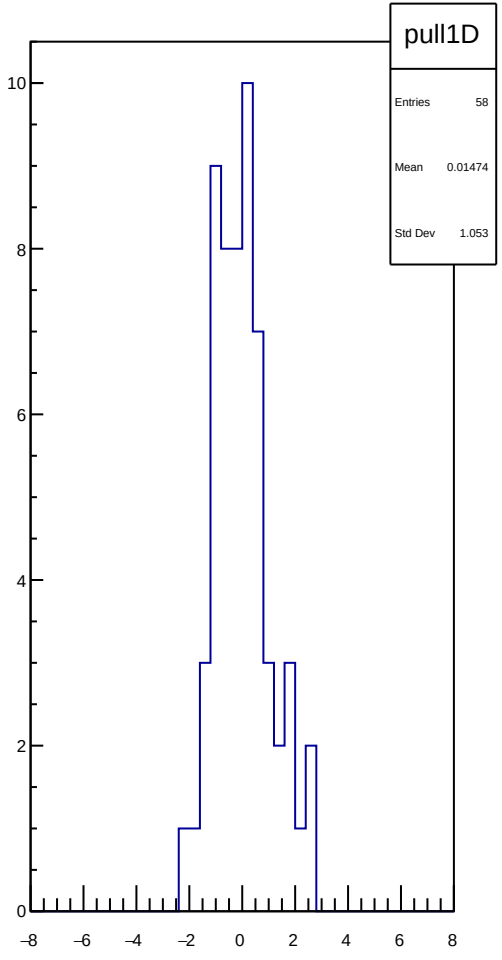

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3787 / 57
p0 850.4 ± 0.8094
1000
950
900
850
800
750

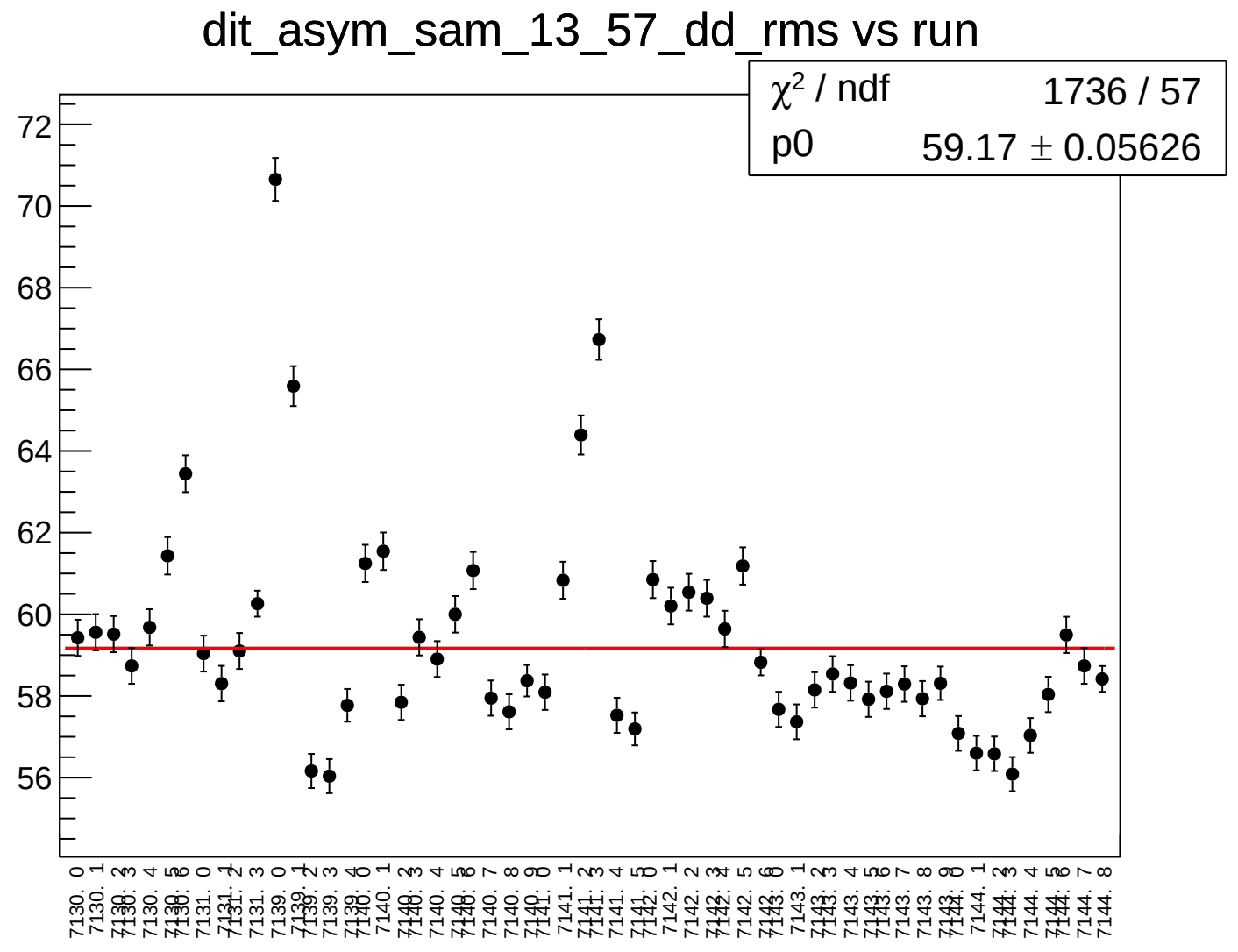

asym_sam_48_dd_mean vs run
χ² / ndf 73.91 / 57
p0 −1882 ± 1124
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 58
Mean 311.1
Std Dev 278.5
3
2
1
0
−1
−2

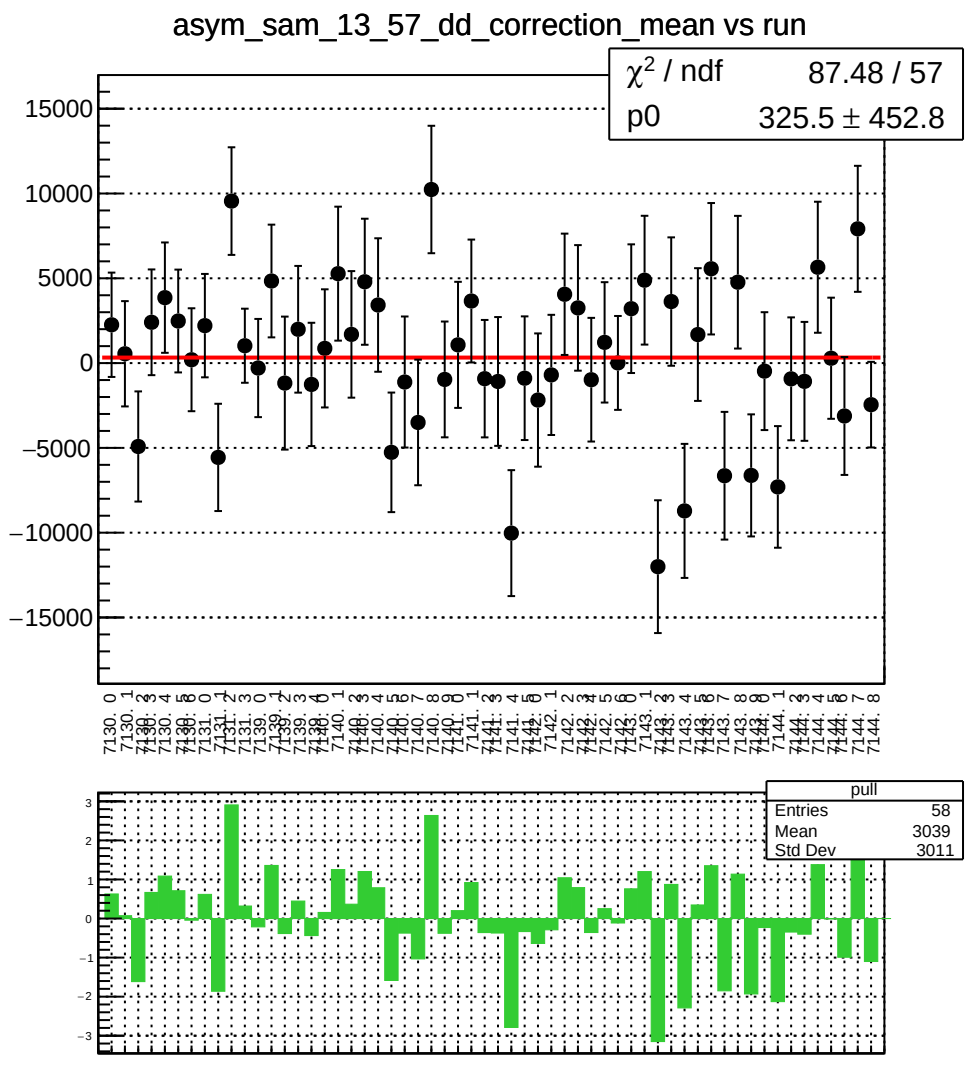

pull1D
Entries 58
Mean 0.006809
Std Dev 1.129
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

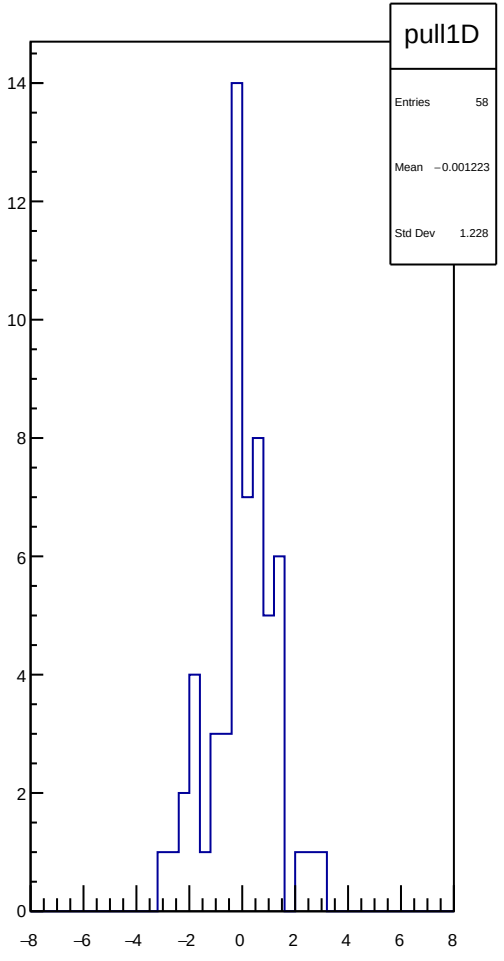

asym_sam_48_dd_rms vs run
χ² / ndf 6663 / 57
p0 833.7 ± 0.7945
1200
1100
1000
900
800

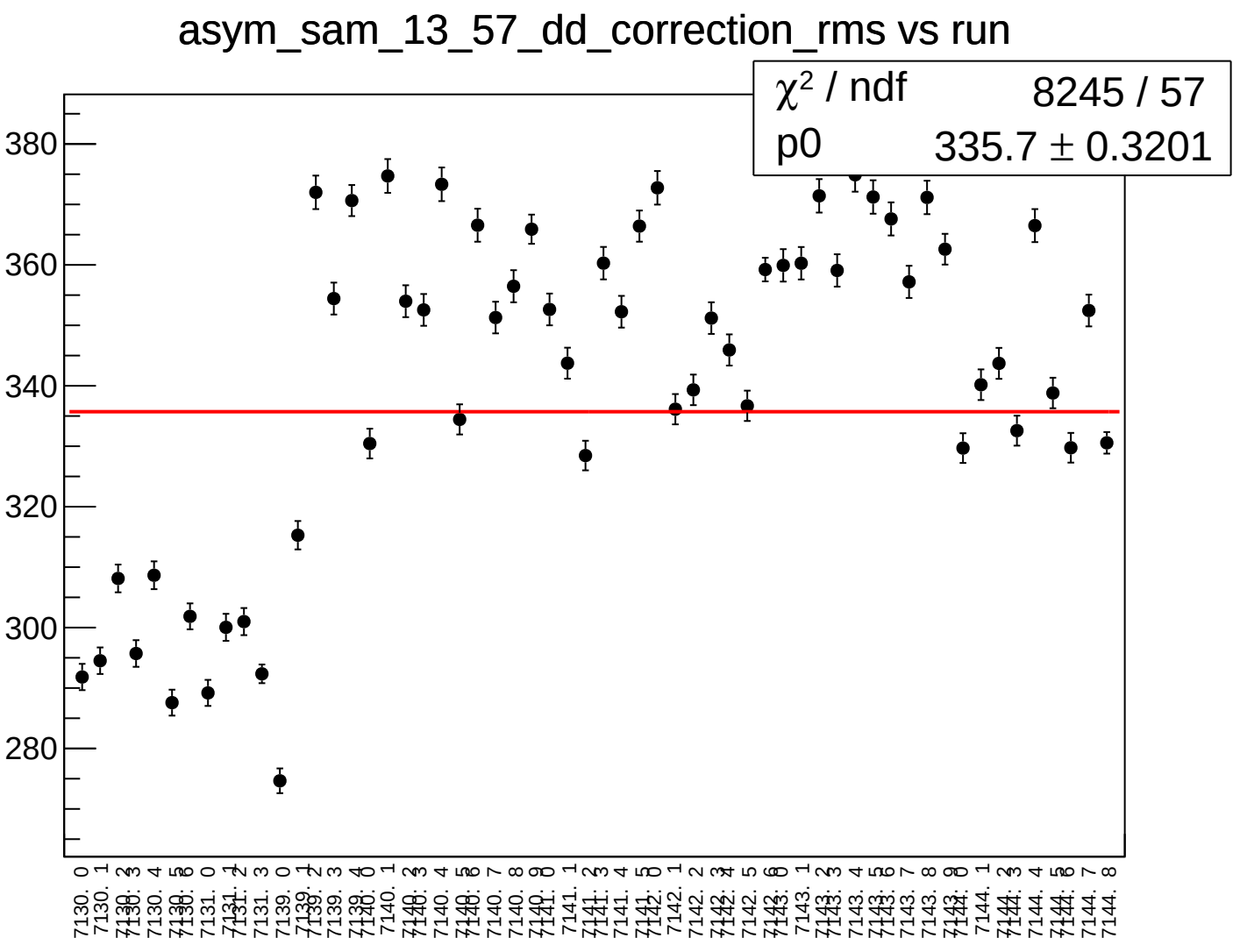

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 64.34 / 57
p0 246.7 ± 79.56
pull
Entries 58
Mean −31.33
Std Dev 55.27

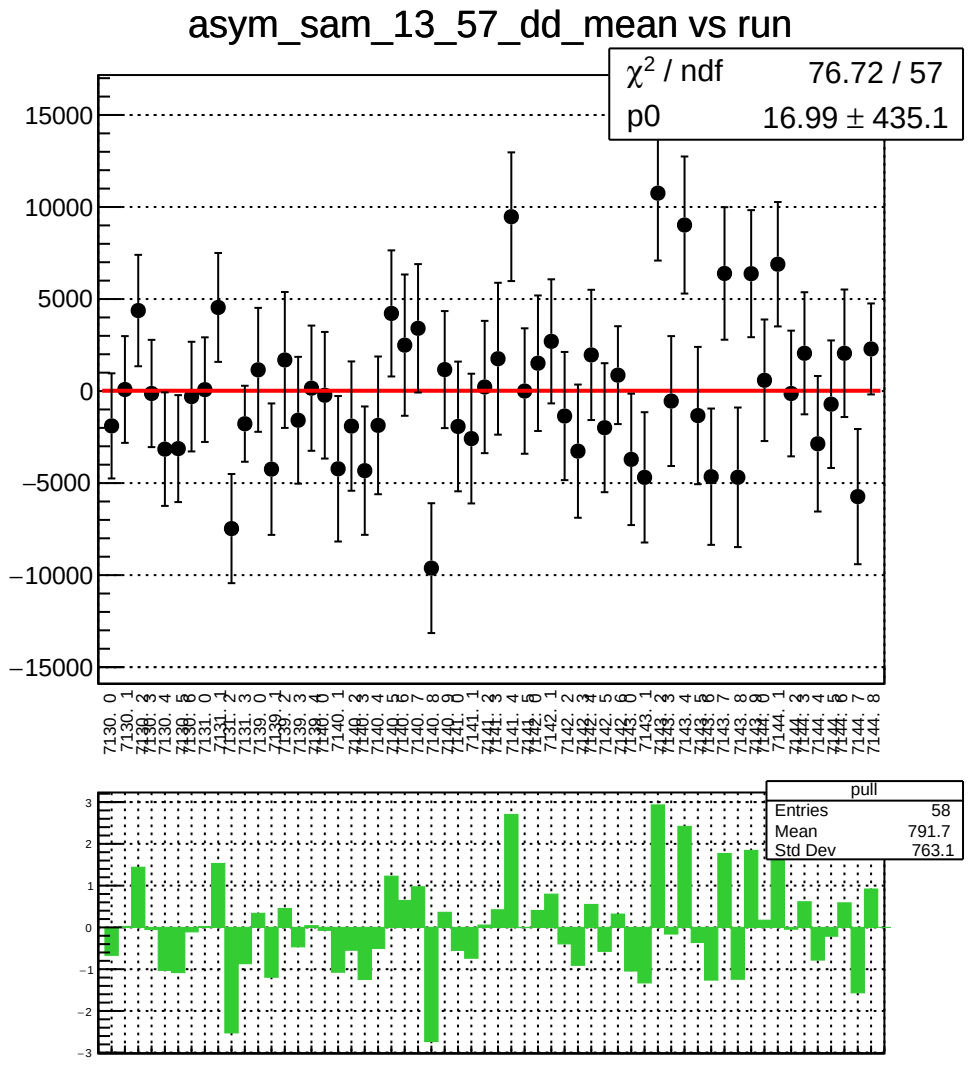

pull1D
Entries 58
Mean 0.01474
Std Dev 1.053

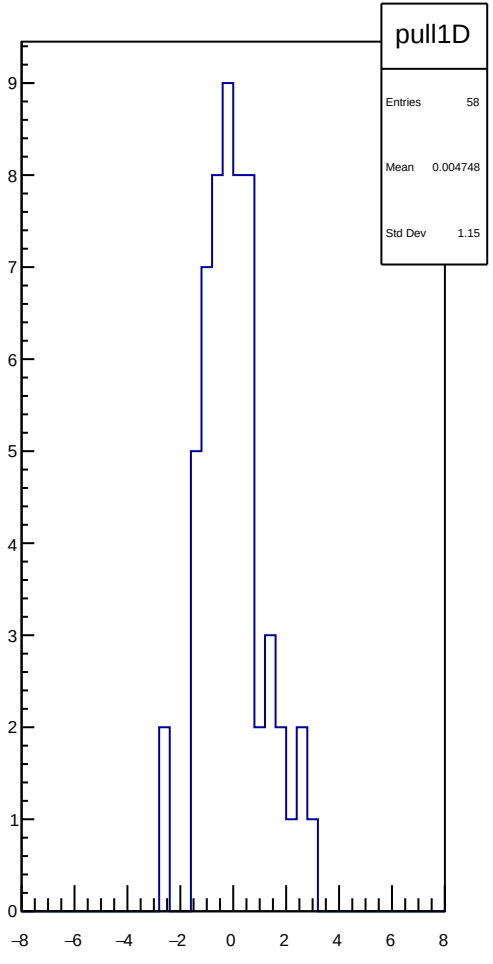

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1736 / 57
p0 59.17 ± 0.05626
72
70
68
66
64
62
60
58
56

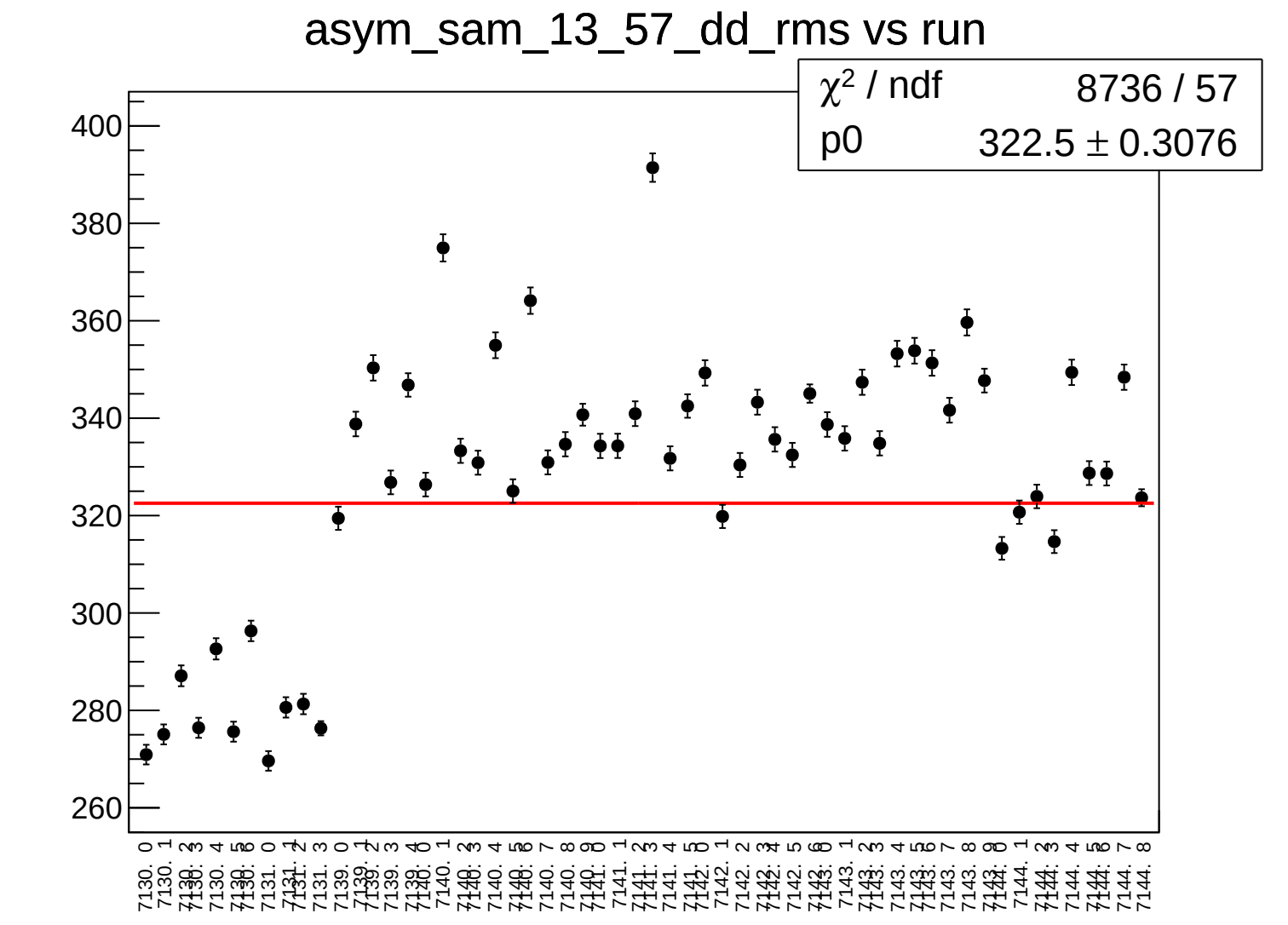

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 87.48 / 57
p0 325.5 ± 452.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 3039
Std Dev 3011
3
2
1
0
−1
−2
−3

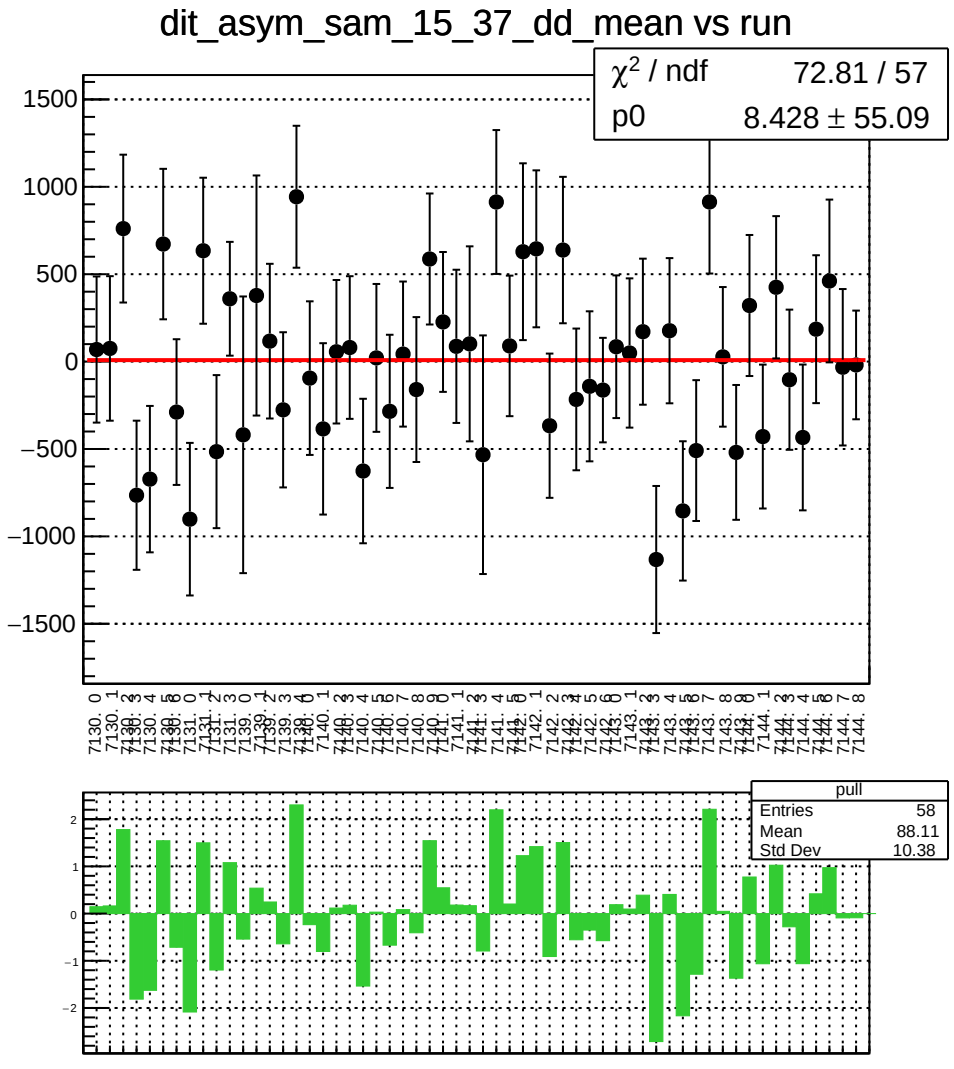

pull1D
Entries 58
Mean −0.001223
Std Dev 1.228
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

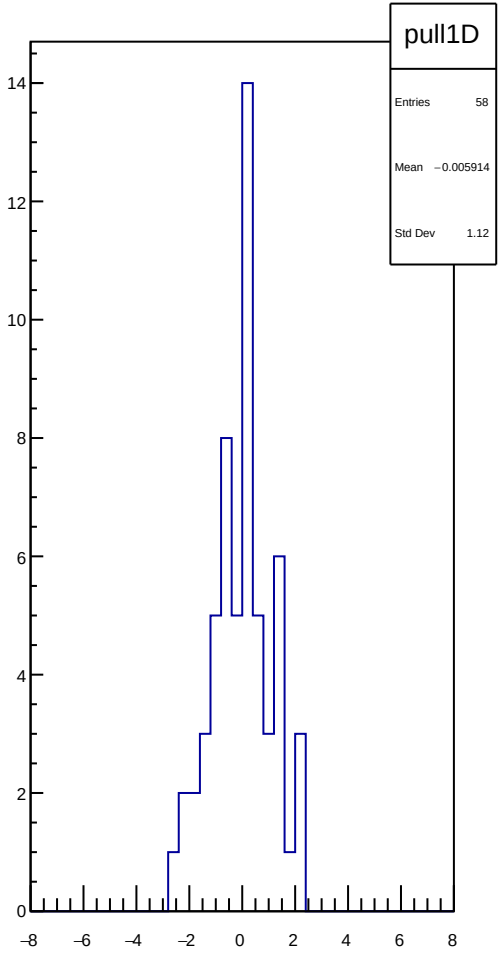

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 8245 / 57
p0 335.7 ± 0.3201
380
360
340
320
300
280

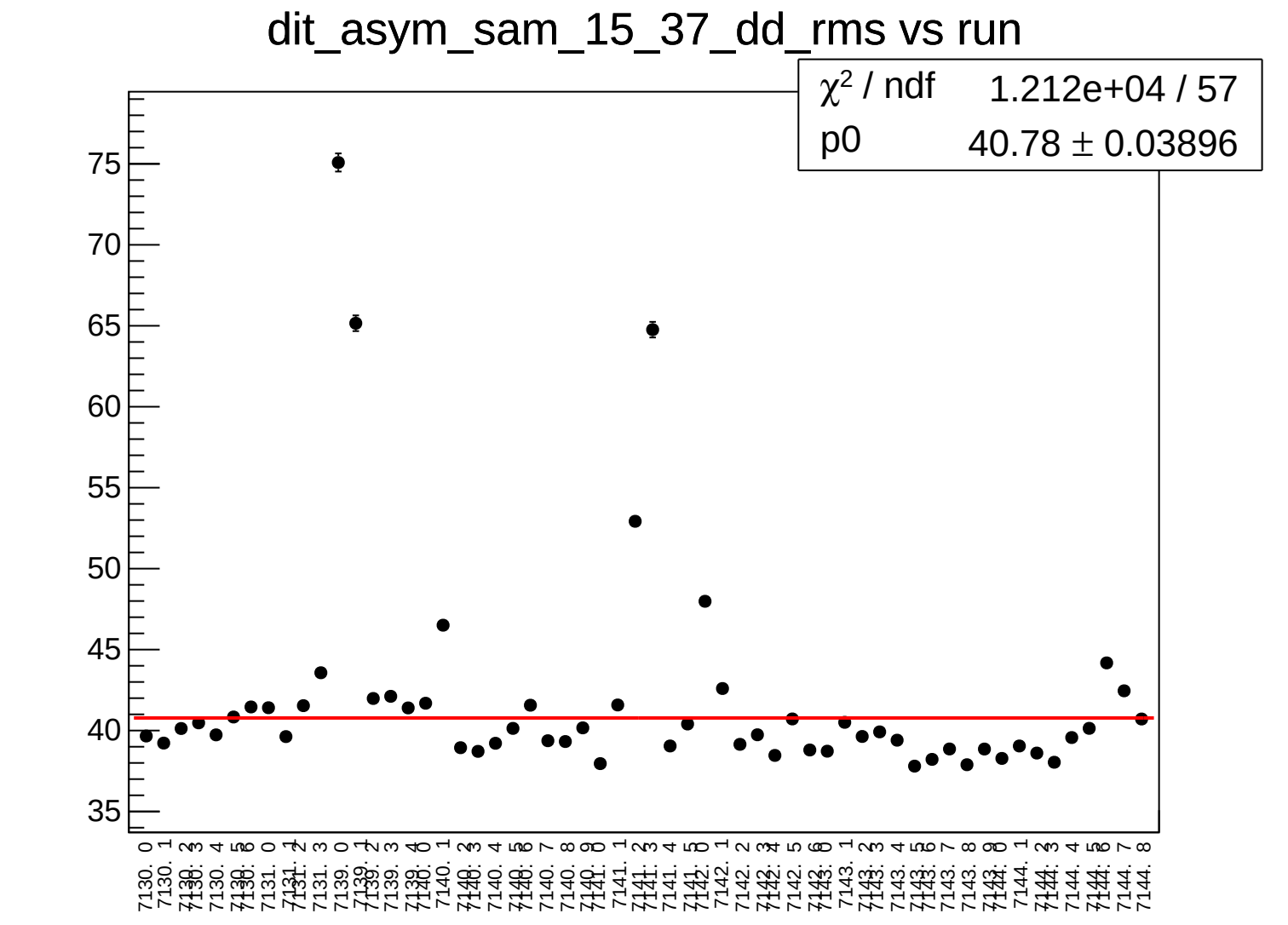

asym_sam_13_57_dd_mean vs run
χ² / ndf 76.72 / 57
p0 16.99 ± 435.1
pull
Entries 58
Mean 791.7
Std Dev 763.1

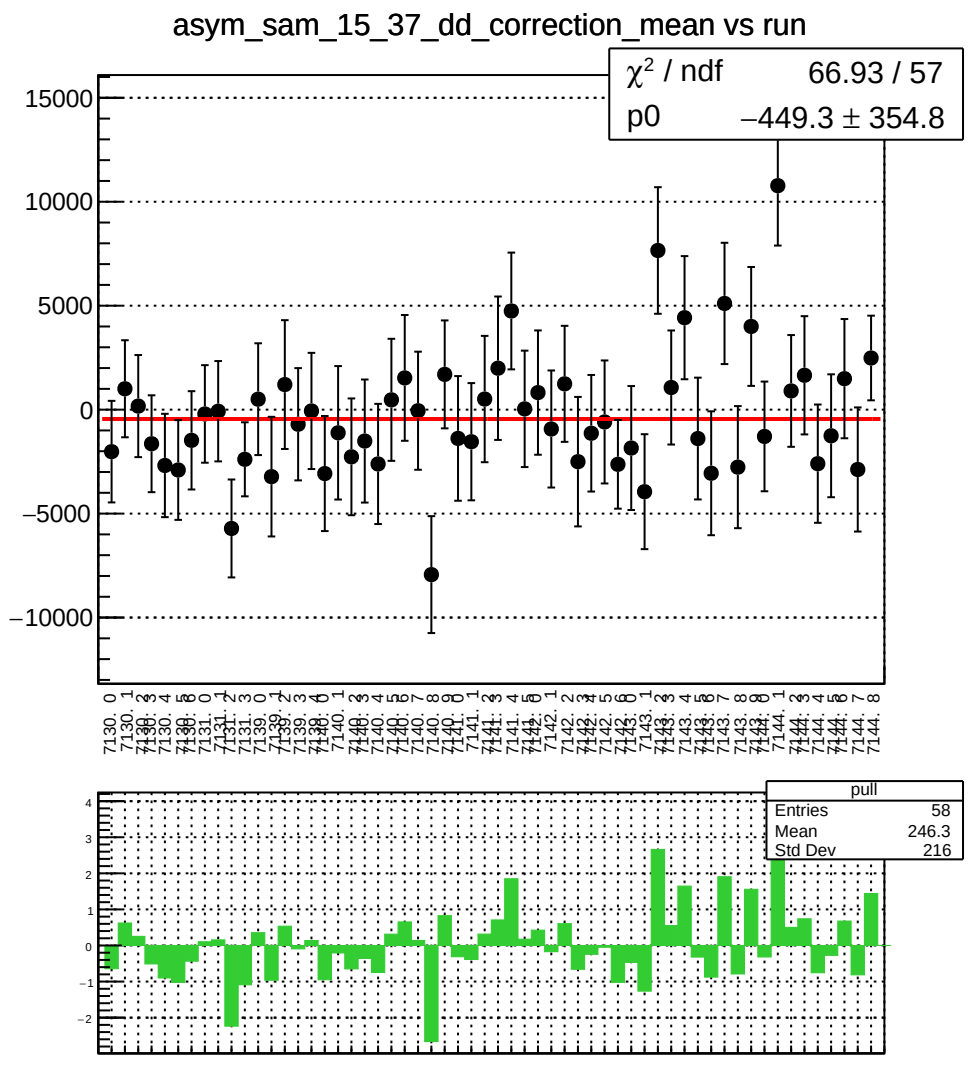

pull1D
Entries 58
Mean 0.004748
Std Dev 1.15

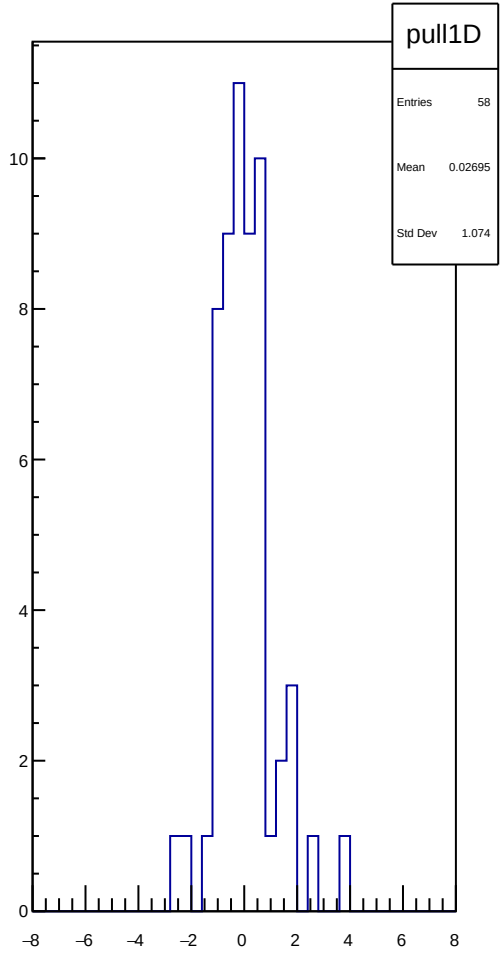

asym_sam_13_57_dd_rms vs run
χ² / ndf 8736 / 57
p0 322.5 ± 0.3076
400
380
360
340
320
300
280
260

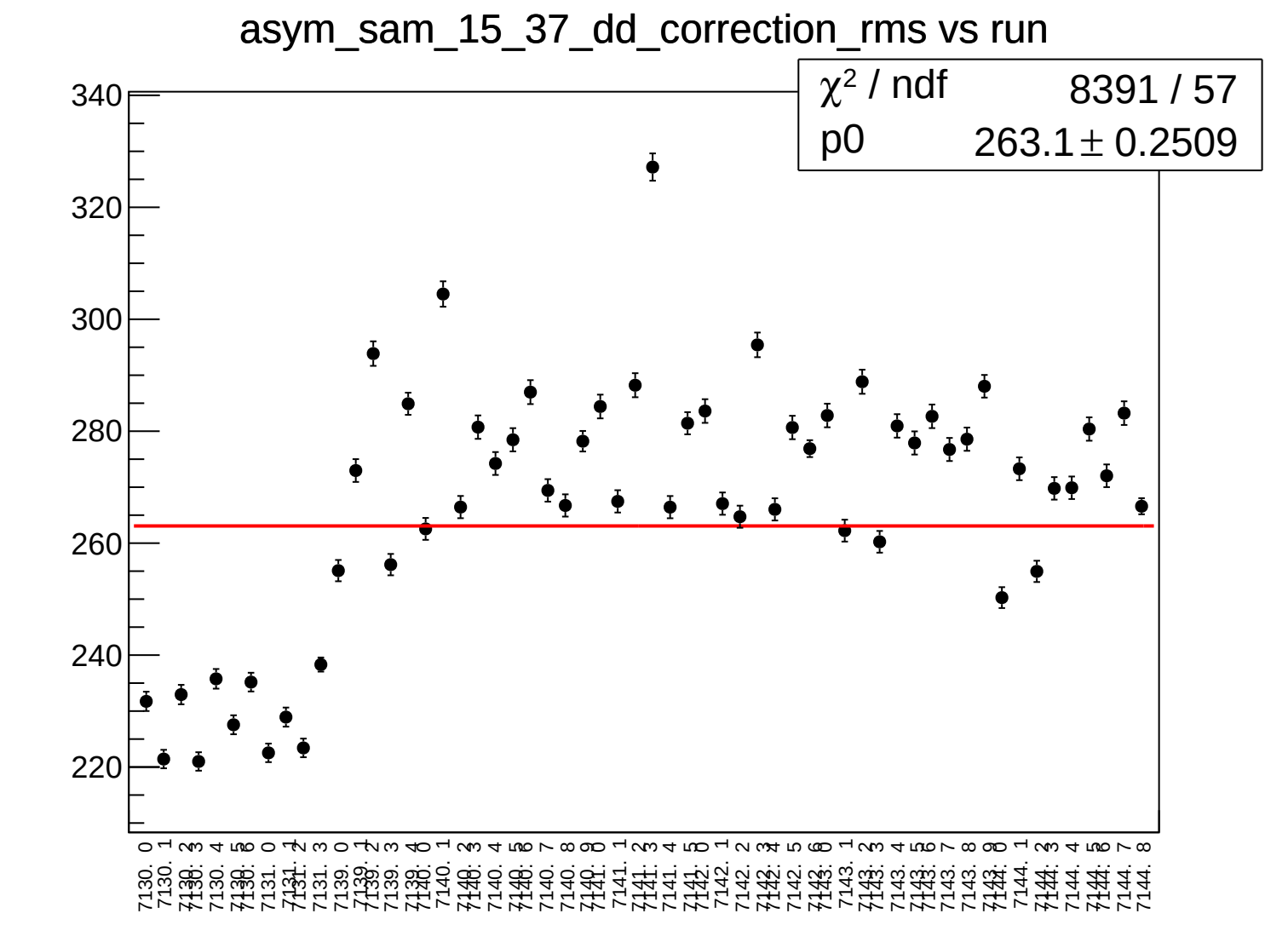

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 72.81 / 57
p0 8.428 ± 55.09
pull
Entries 58
Mean 88.11
Std Dev 10.38

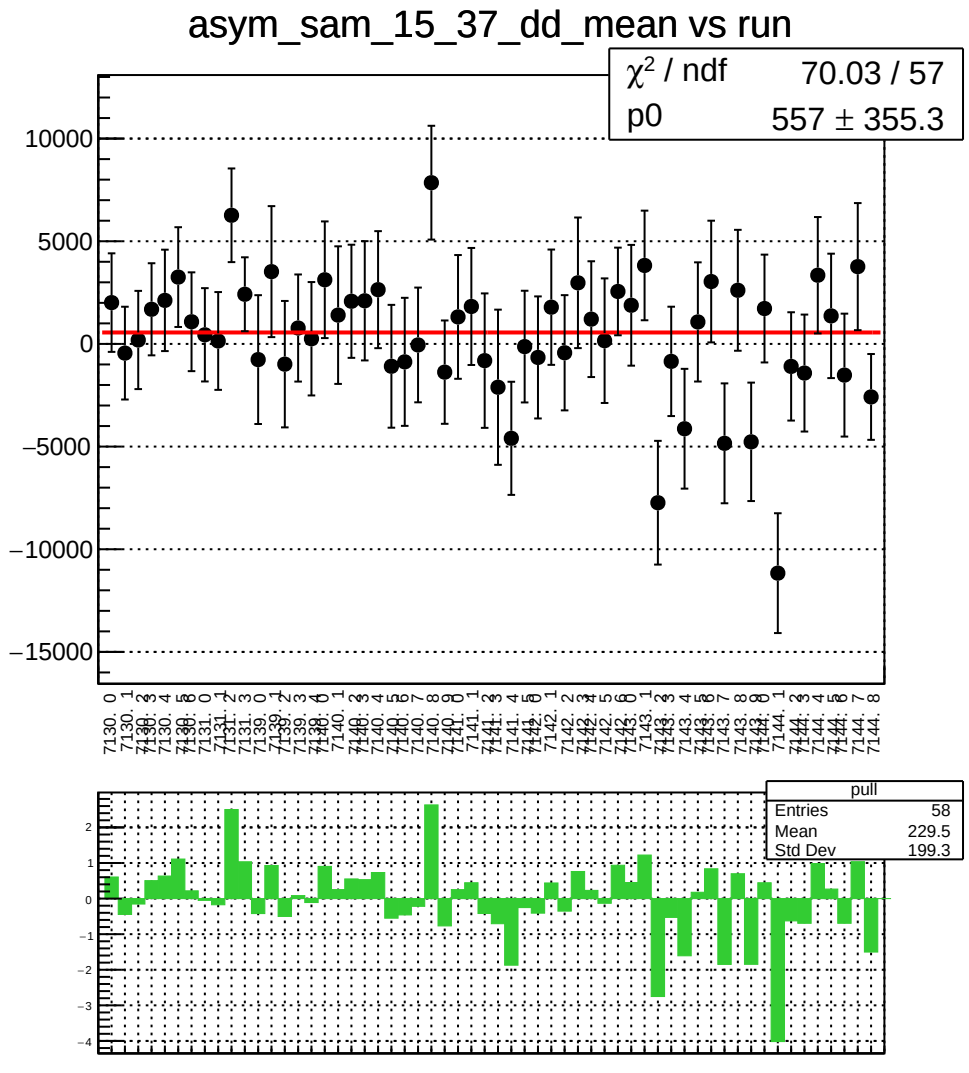

pull1D
Entries 58
Mean −0.005914
Std Dev 1.12

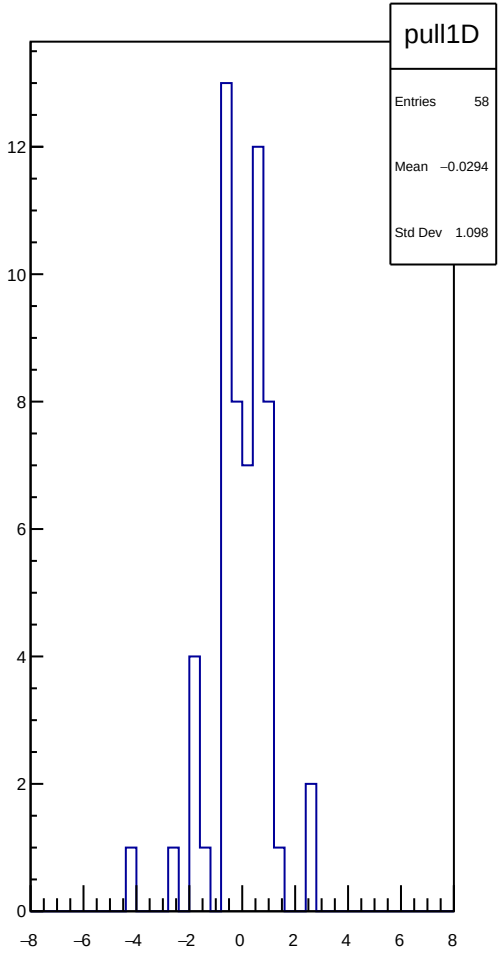

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.212e+04 / 57
p0 40.78 ± 0.03896
75
70
65
60
55
50
45
40
35

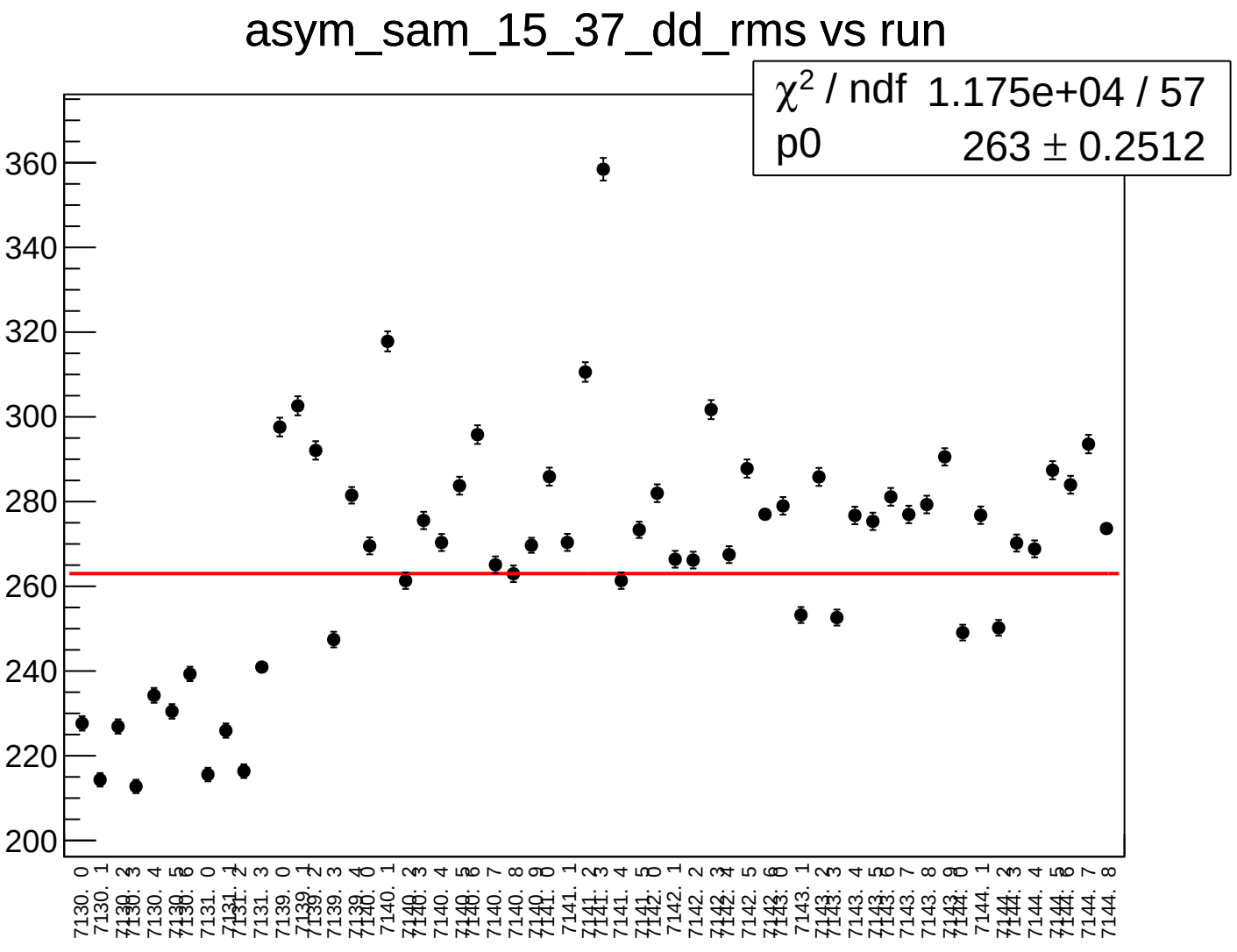

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 66.93 / 57
p0 −449.3 ± 354.8
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 246.3
Std Dev 216
4
3
2
1
0
−1
−2

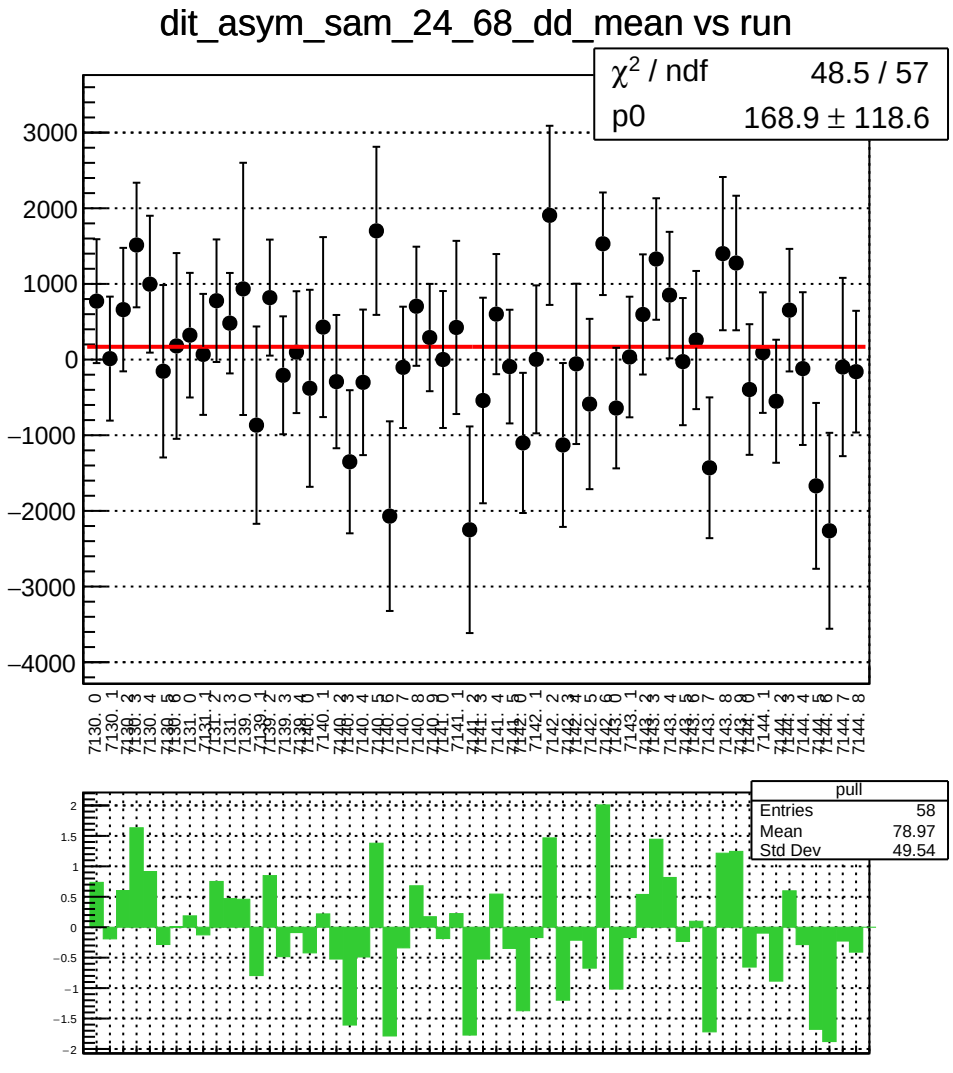

pull1D
Entries 58
Mean 0.02695
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

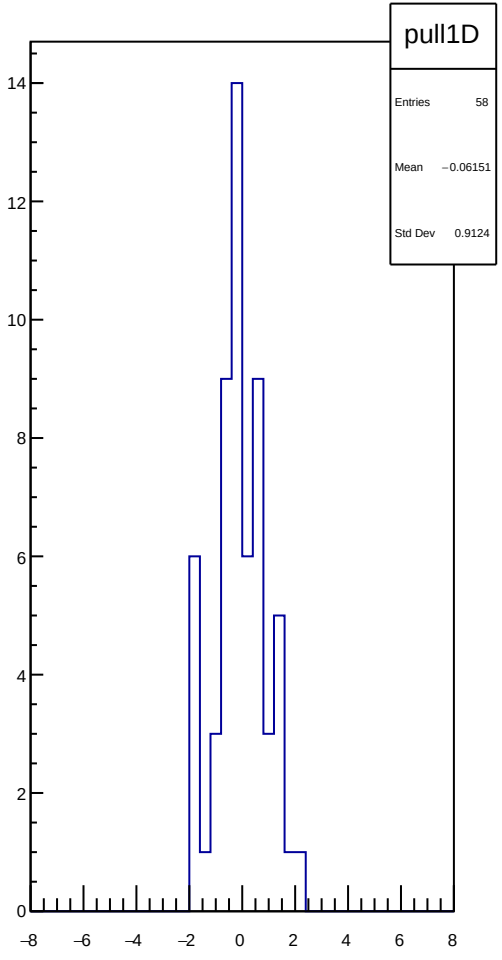

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 8391 / 57
p0 263.1 ± 0.2509
340
320
300
280
260
240
220

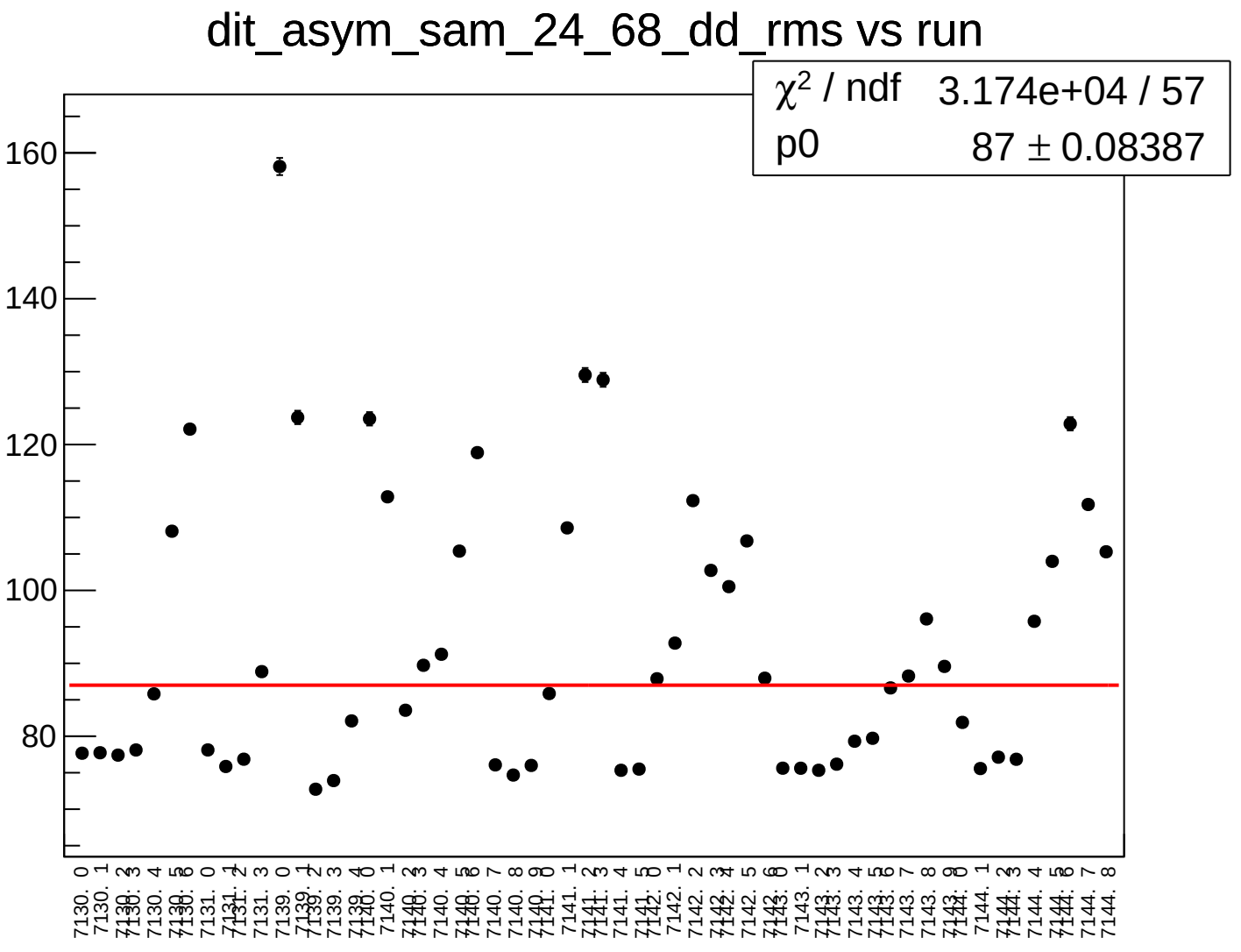

asym_sam_15_37_dd_mean vs run
χ² / ndf 70.03 / 57
p0 557 ± 355.3
pull
Entries 58
Mean 229.5
Std Dev 199.3

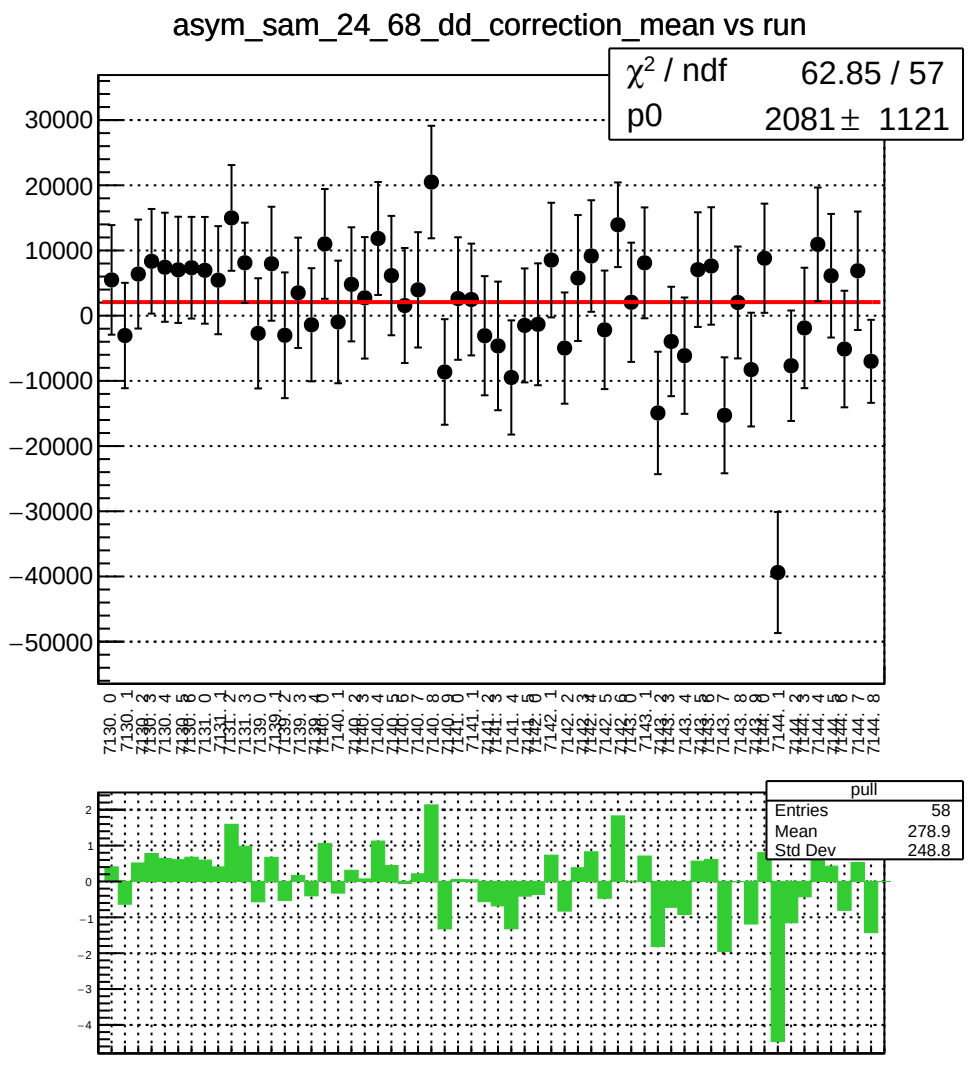

pull1D
Entries 58
Mean −0.0294
Std Dev 1.098

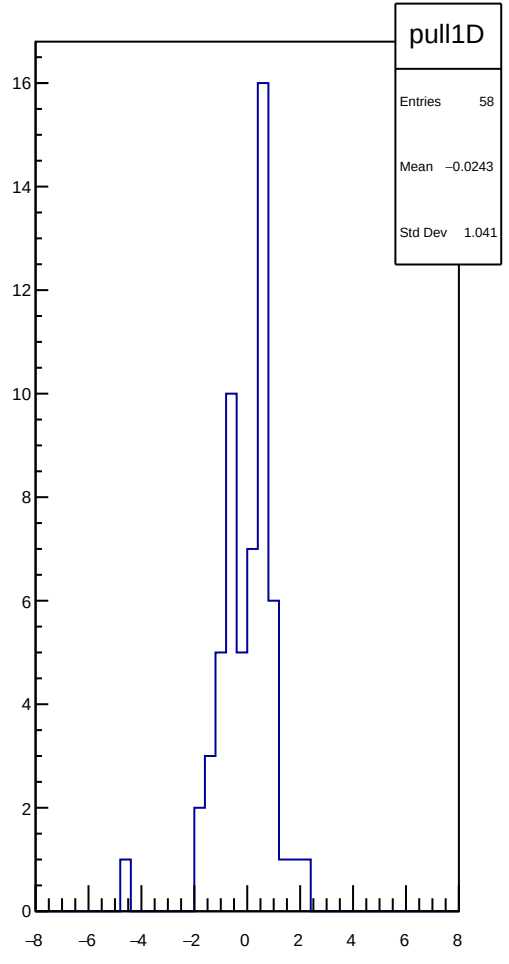

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.175e+04 / 57
p0 263 ± 0.2512
360
340
320
300
280
260
240
220
200

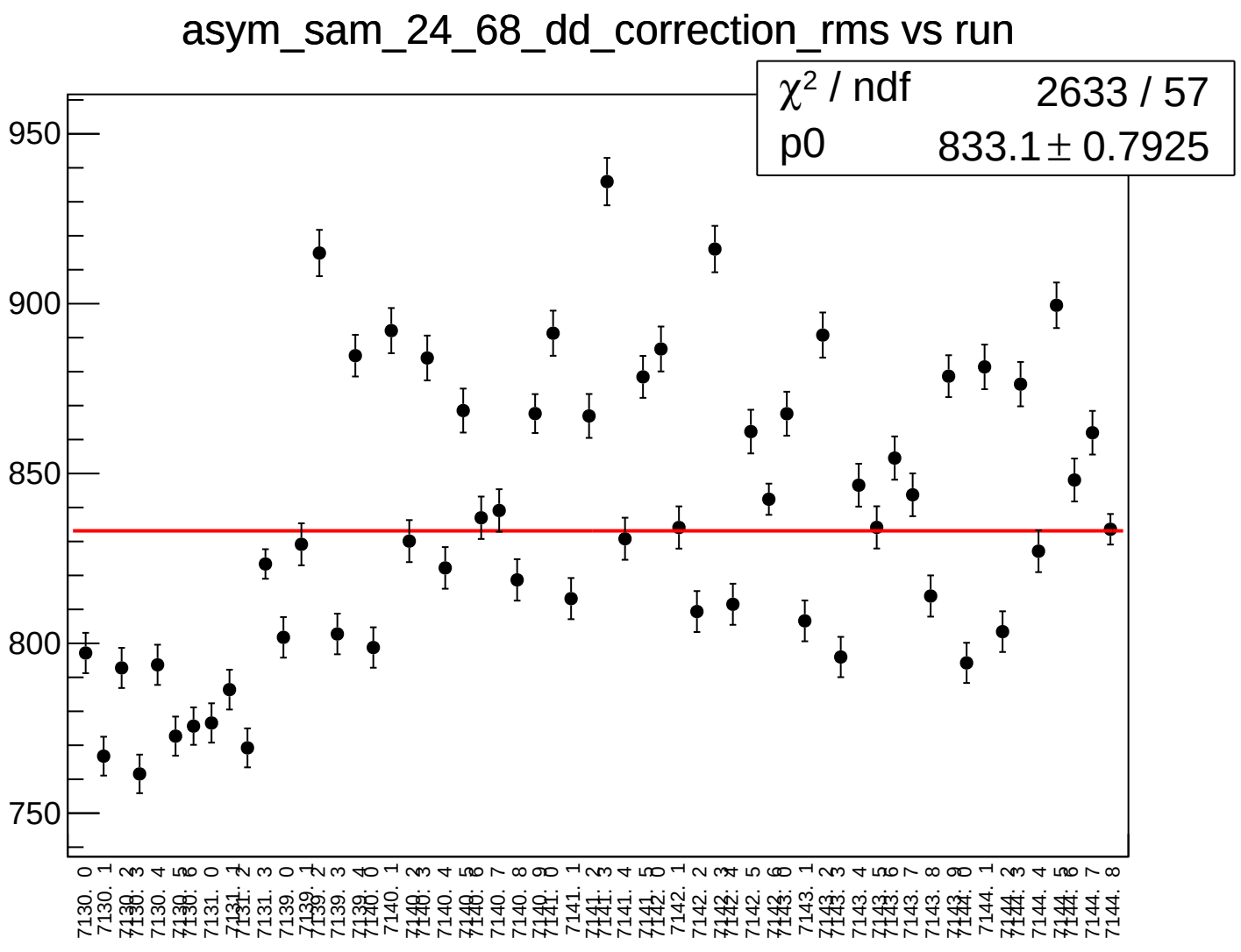

dit_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 48.5 / 57
p0 168.9 ± 118.6
pull
Entries 58
Mean 78.97
Std Dev 49.54

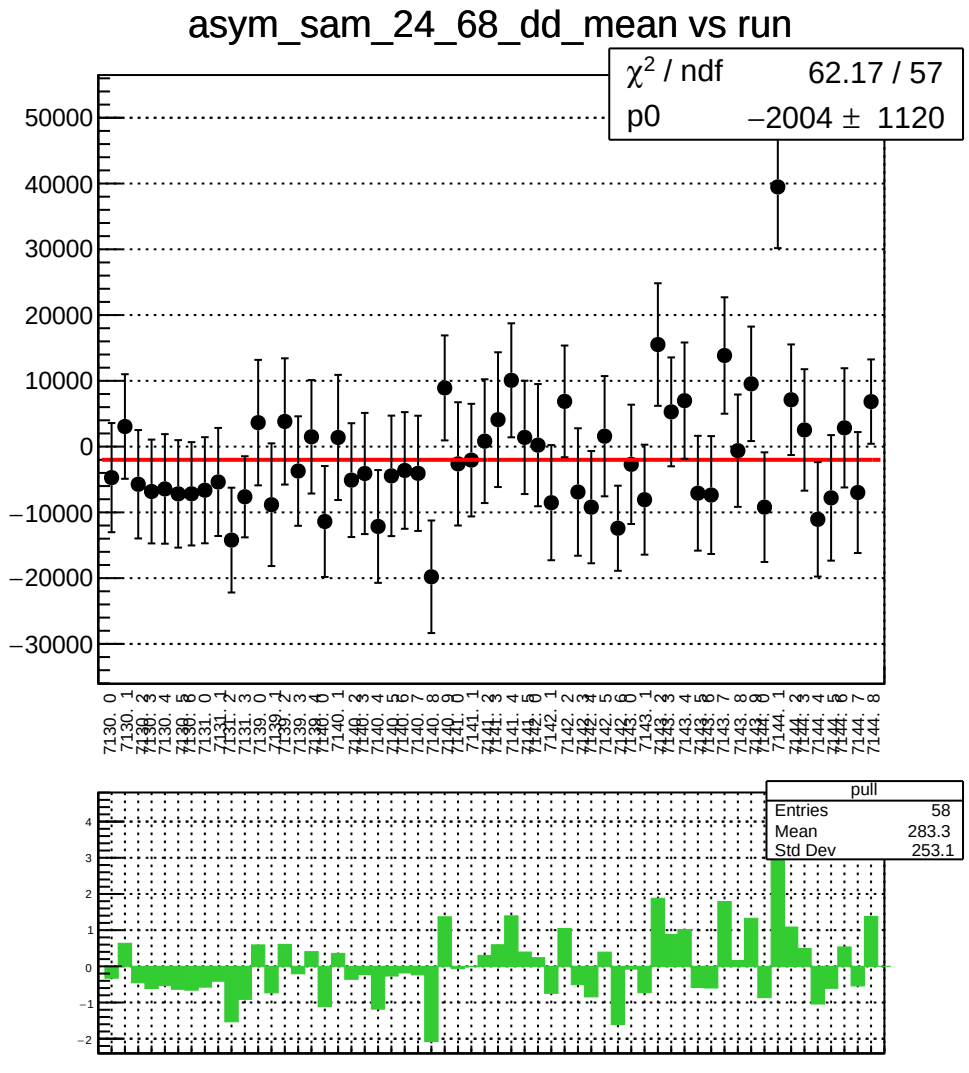

pull1D
Entries 58
Mean −0.06151
Std Dev 0.9124

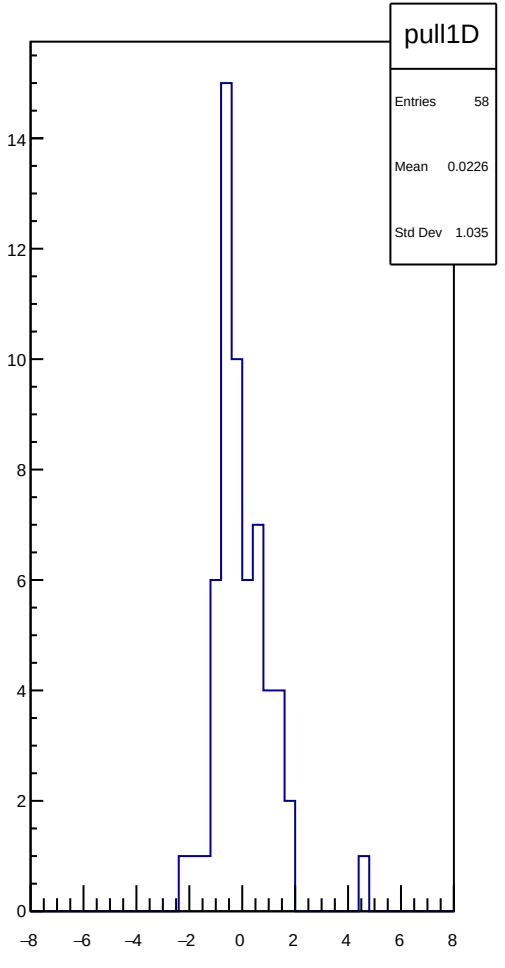

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 3.174e+04 / 57
p0 87 ± 0.08387
160
140
120
100
80

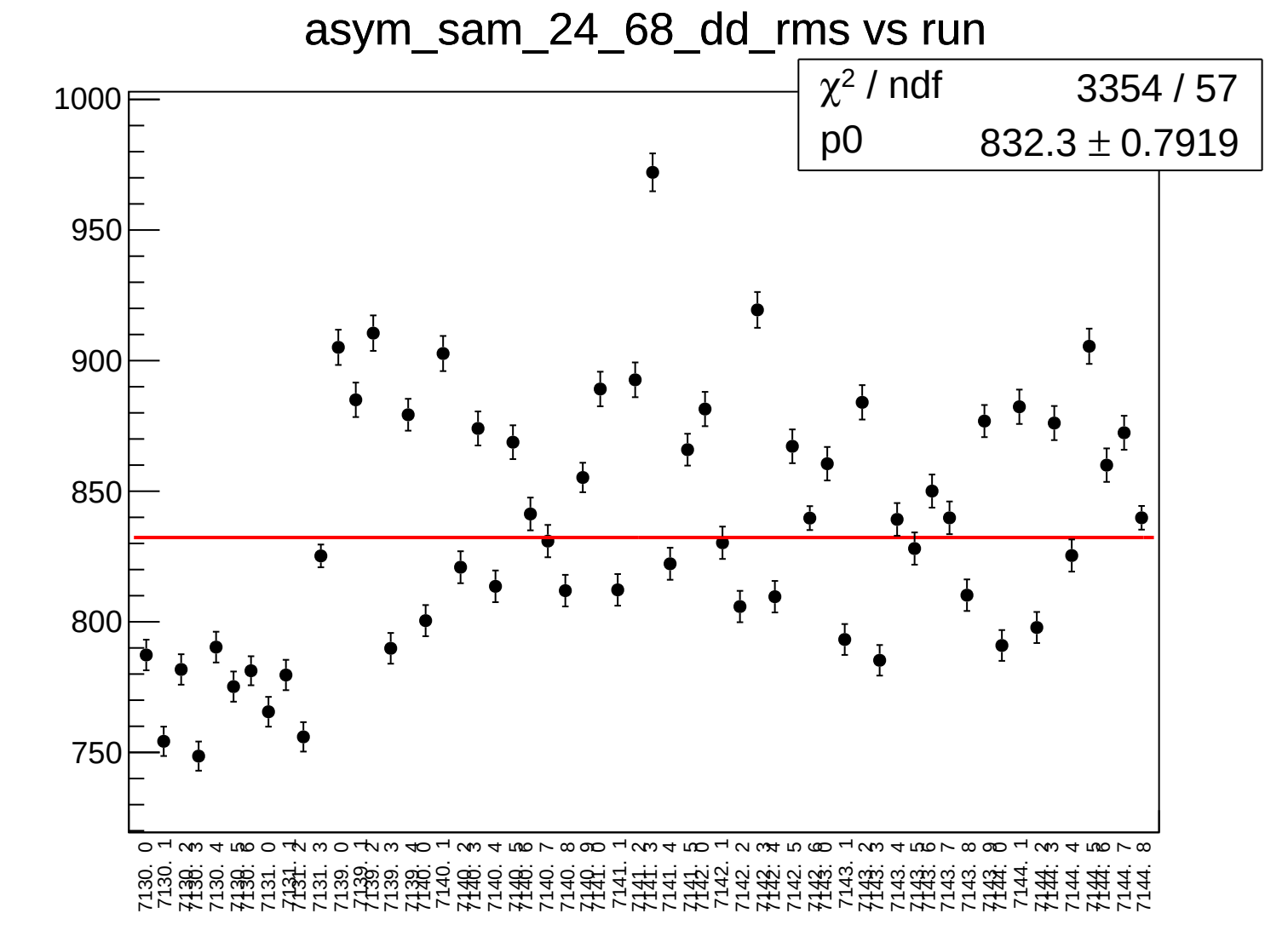

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 62.85 / 57
p0 2081 ± 1121
pull
Entries 58
Mean 278.9
Std Dev 248.8

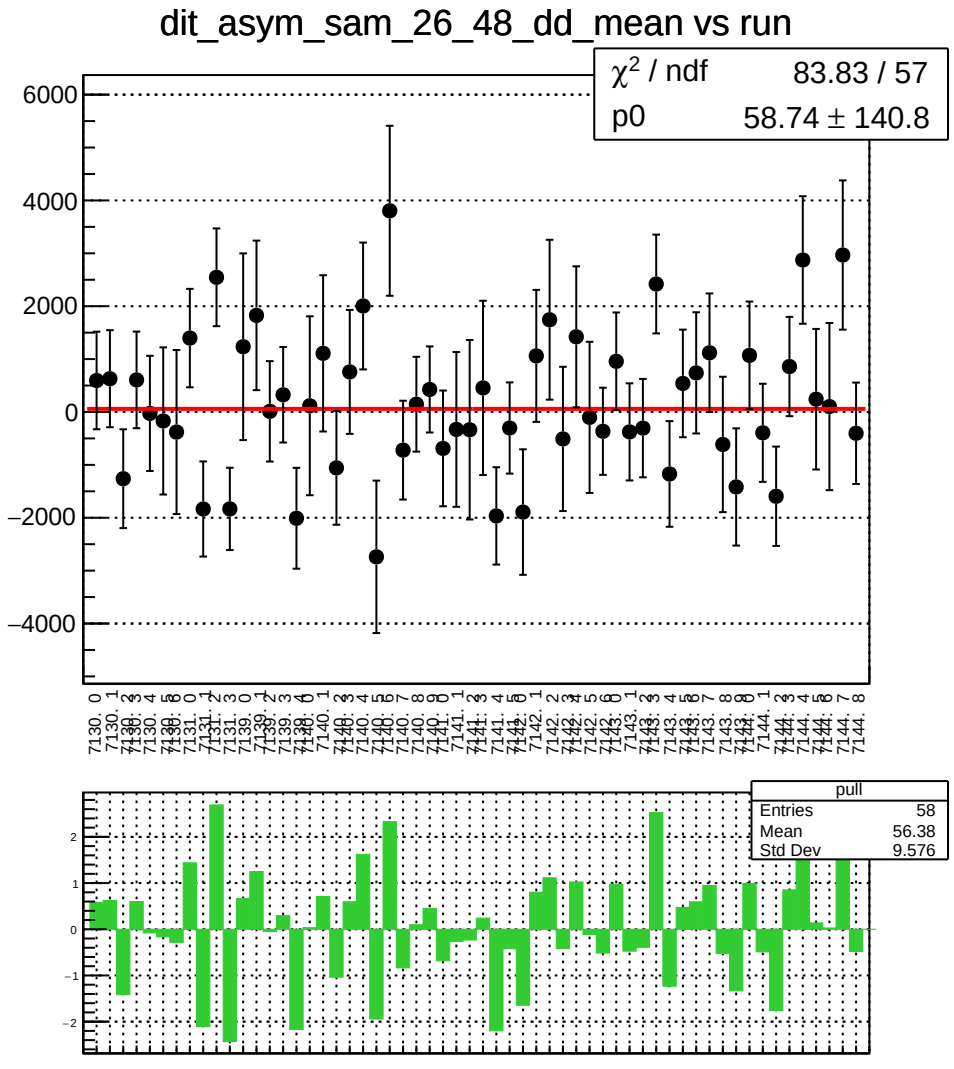

pull1D
Entries 58
Mean −0.0243
Std Dev 1.041

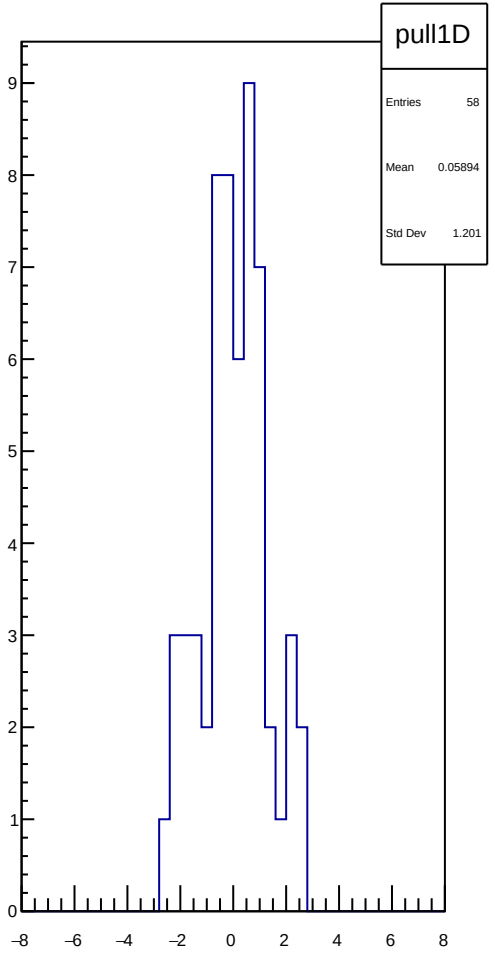

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2633 / 57
p0 833.1 ± 0.7925
950
900
850
800
750

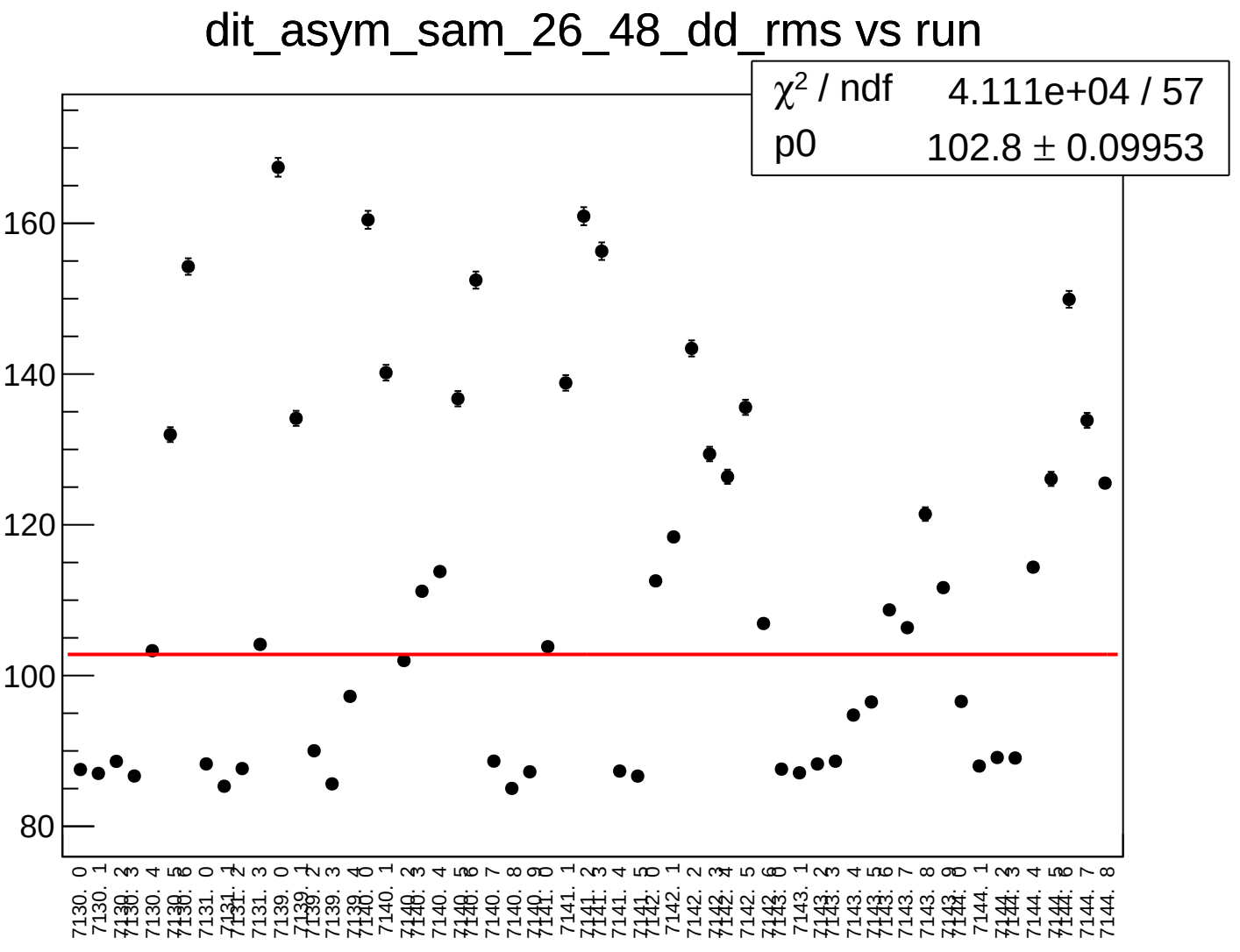

asym_sam_24_68_dd_mean vs run
χ² / ndf 62.17 / 57
p0 −2004 ± 1120
pull
Entries 58
Mean 283.3
Std Dev 253.1

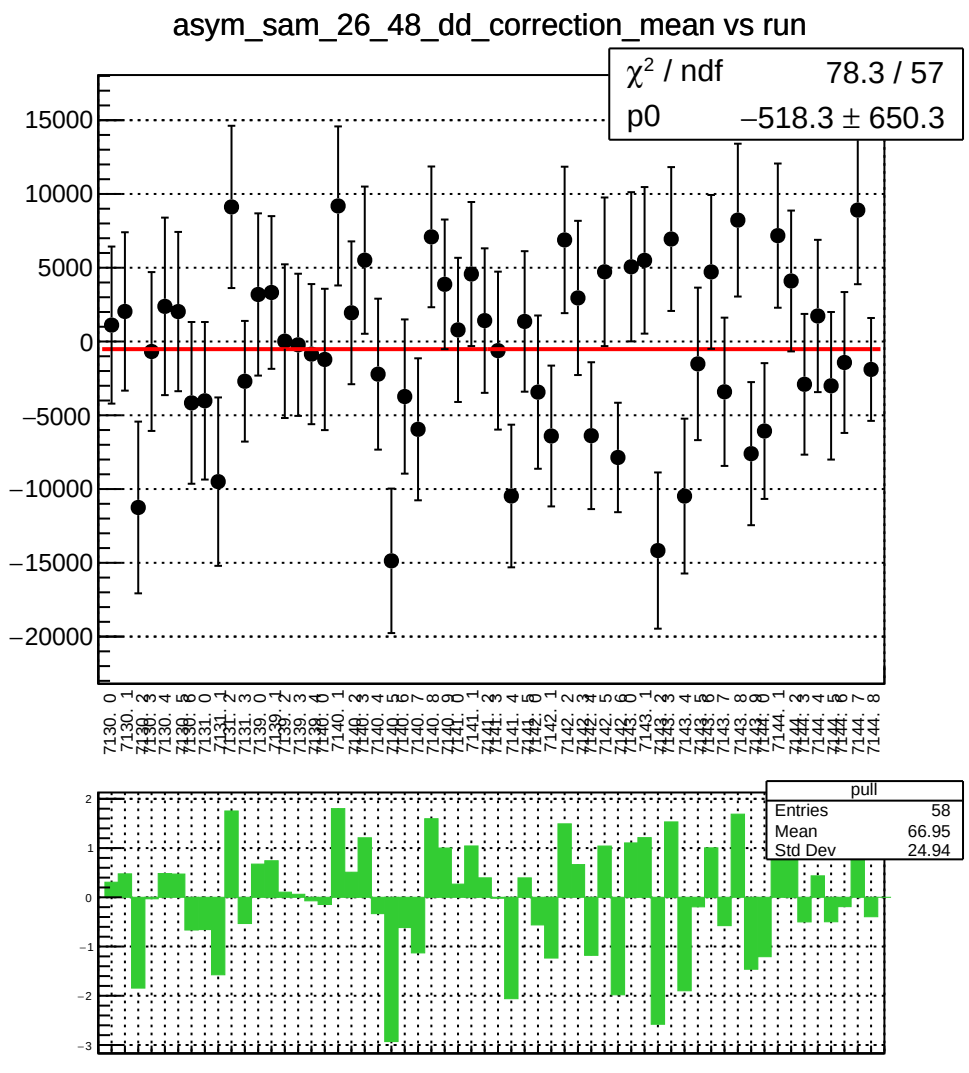

pull1D
Entries 58
Mean 0.0226
Std Dev 1.035

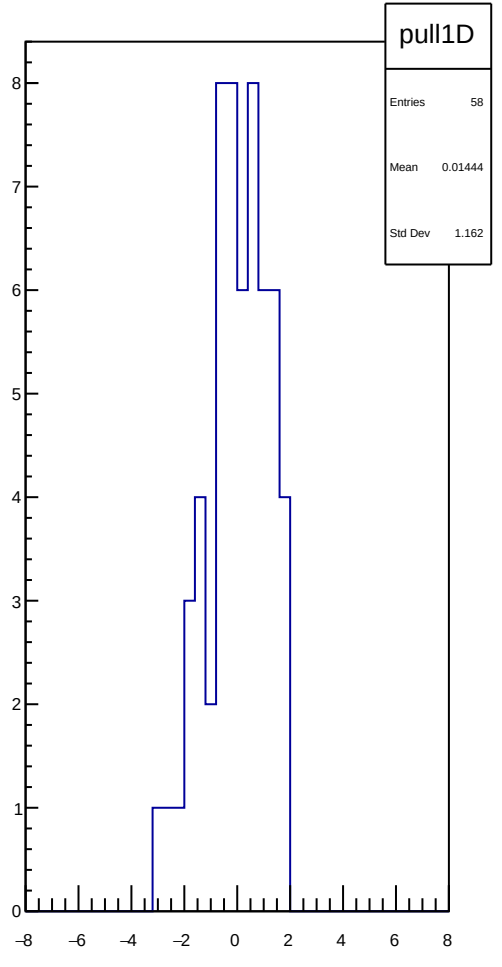

asym_sam_24_68_dd_rms vs run
χ² / ndf 3354 / 57
p0 832.3 ± 0.7919
1000
950
900
850
800
750

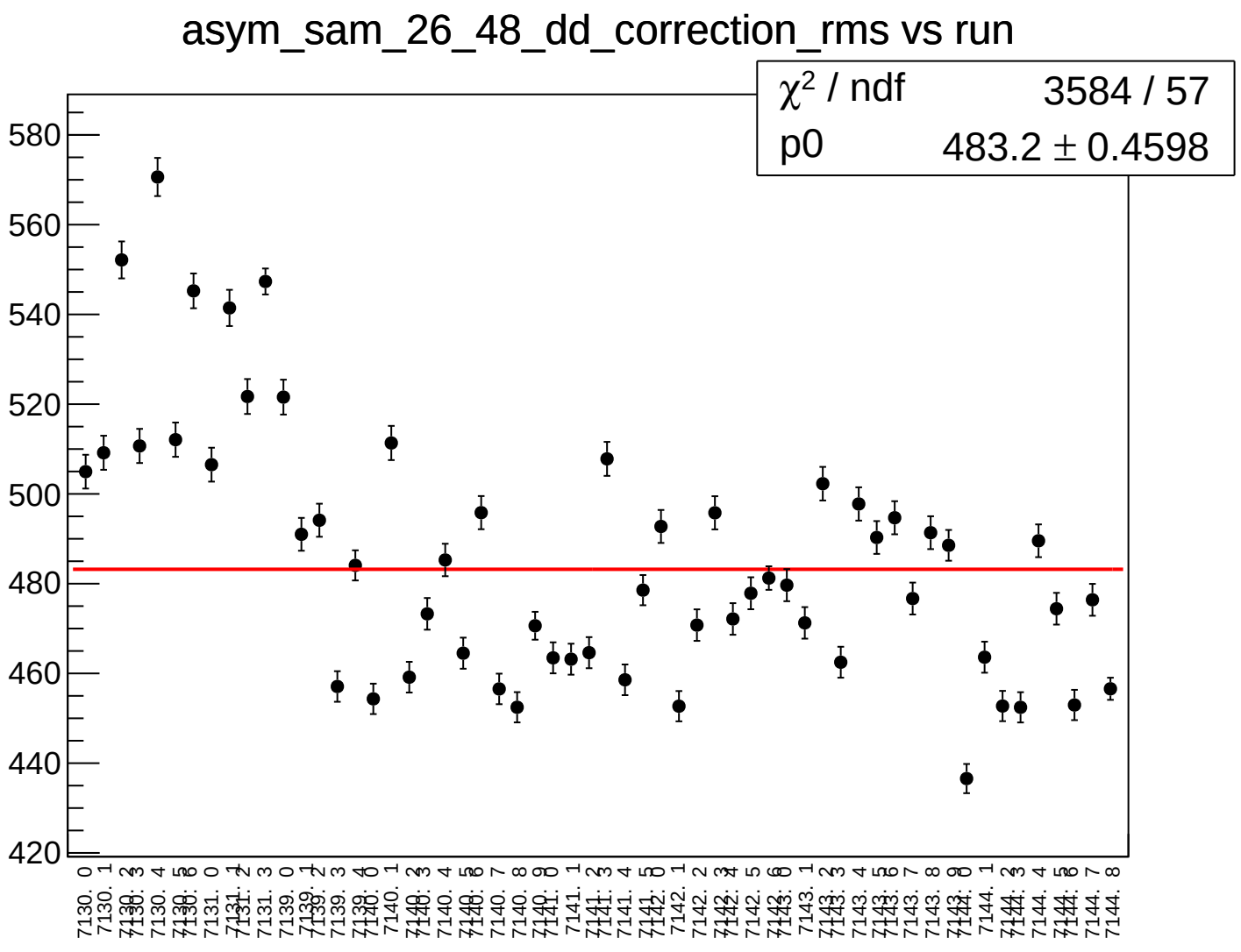

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 83.83 / 57
p0 58.74 ± 140.8
pull
Entries 58
Mean 56.38
Std Dev 9.576

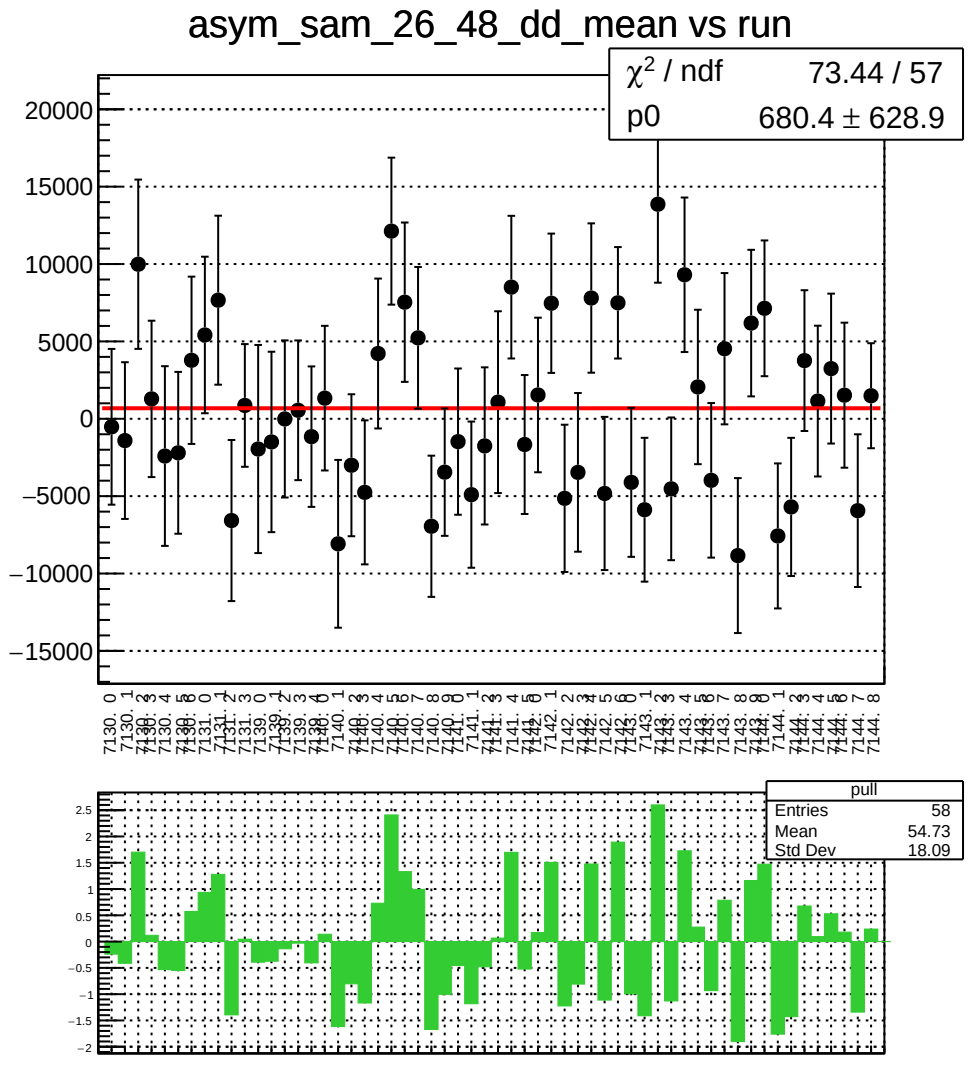

pull1D
Entries 58
Mean 0.05894
Std Dev 1.201

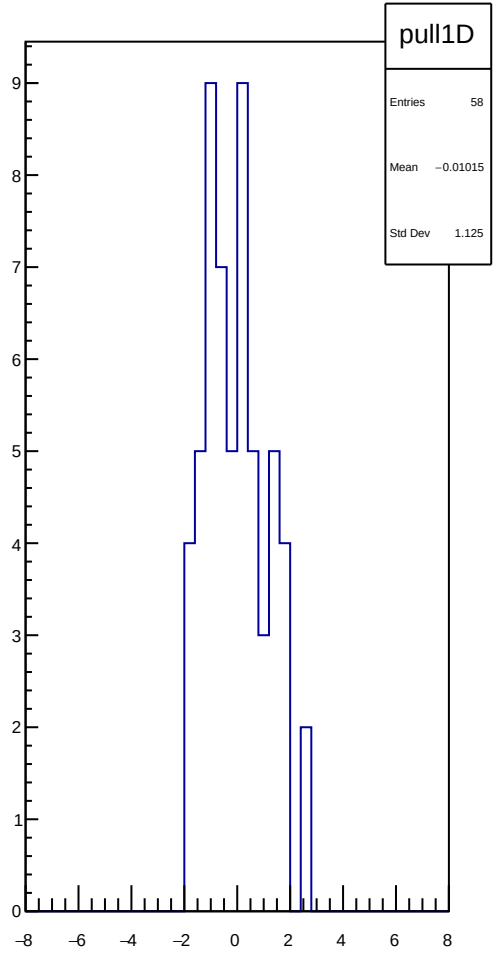

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 4.111e+04 / 57
p0 102.8 ± 0.09953
160
140
120
100
80

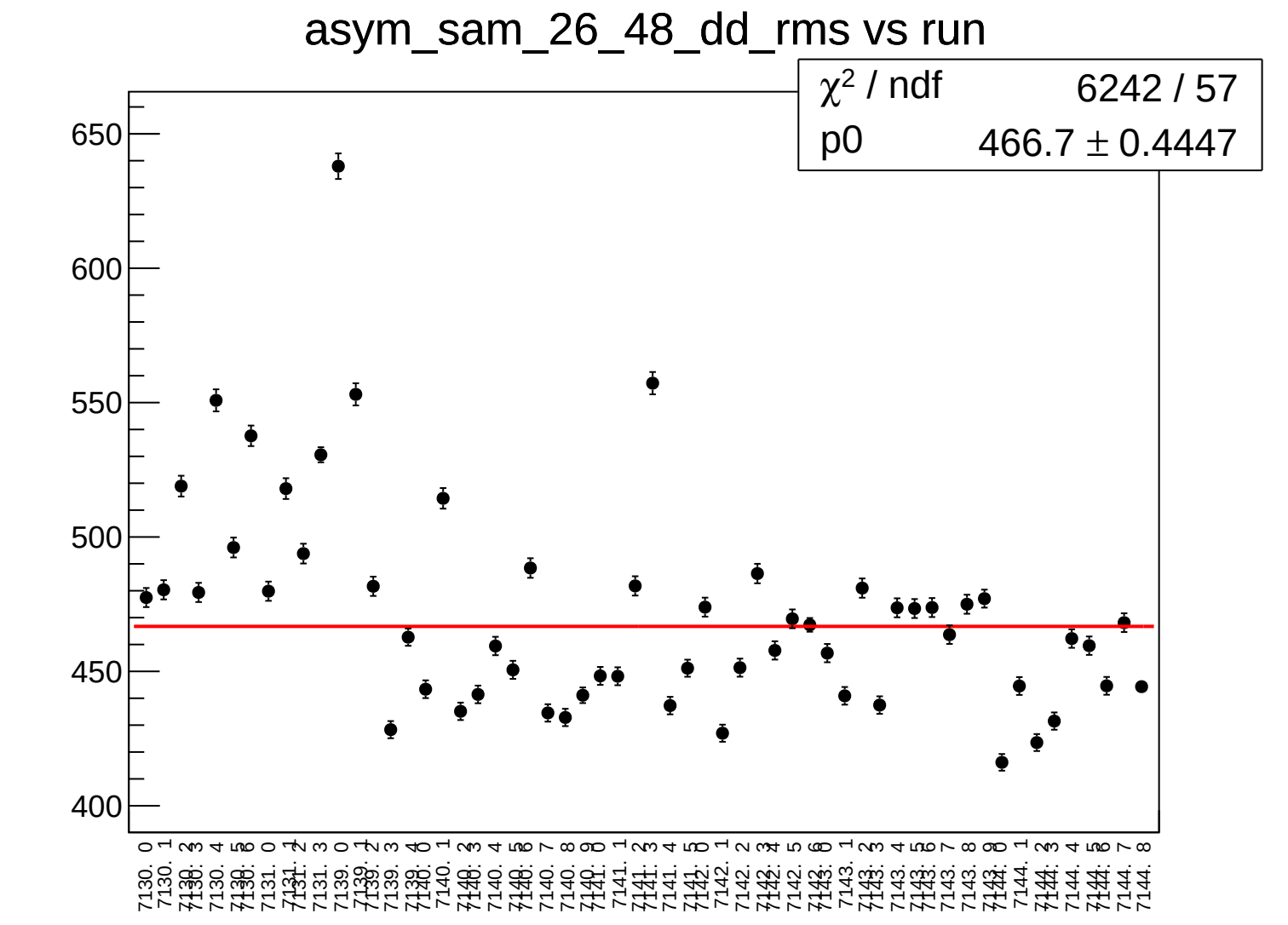

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 78.3 / 57
p0 −518.3 ± 650.3
pull
Entries 58
Mean 66.95
Std Dev 24.94

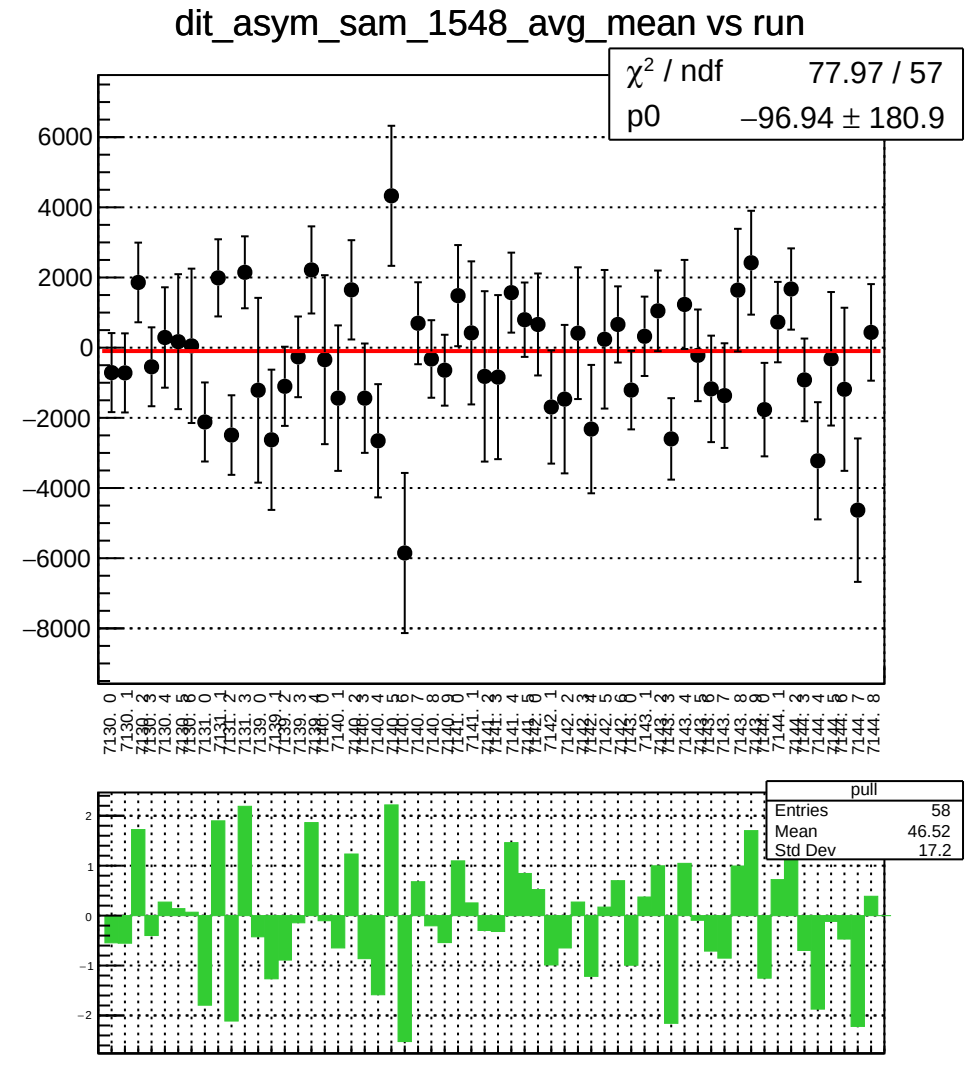

pull1D
Entries 58
Mean 0.01444
Std Dev 1.162

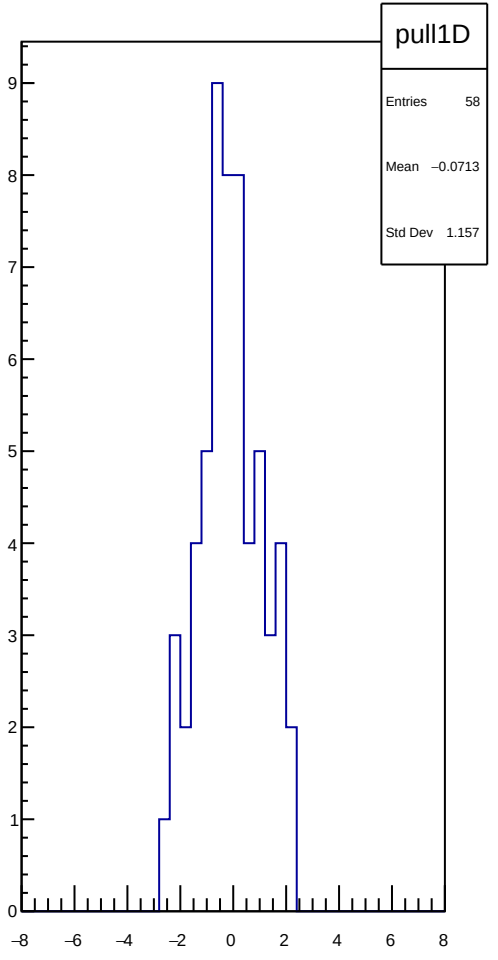

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3584 / 57
p0 483.2 ± 0.4598
580
560
540
520
500
480
460
440
420

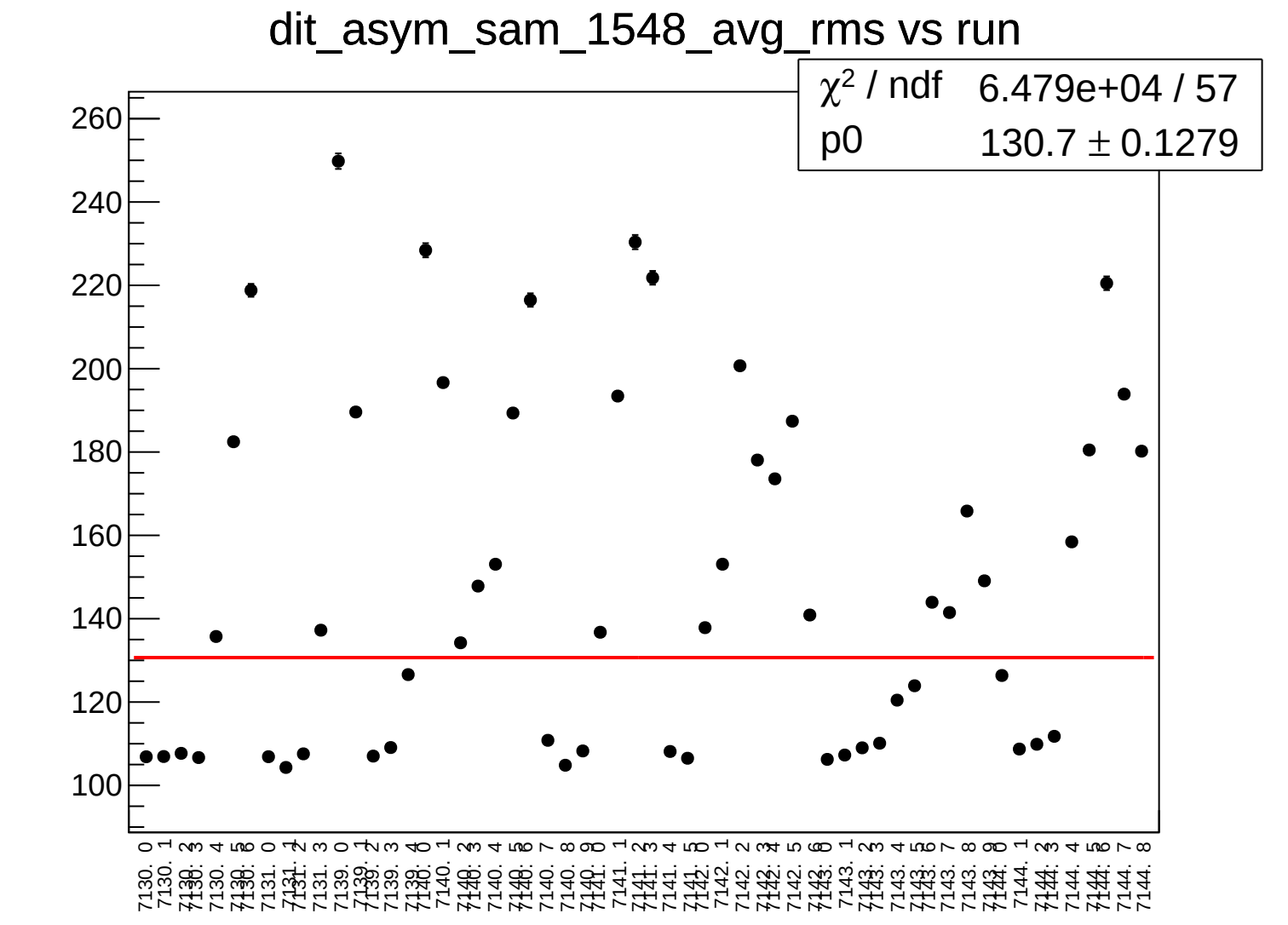

asym_sam_26_48_dd_mean vs run
χ² / ndf 73.44 / 57
p0 680.4 ± 628.9
pull
Entries 58
Mean 54.73
Std Dev 18.09

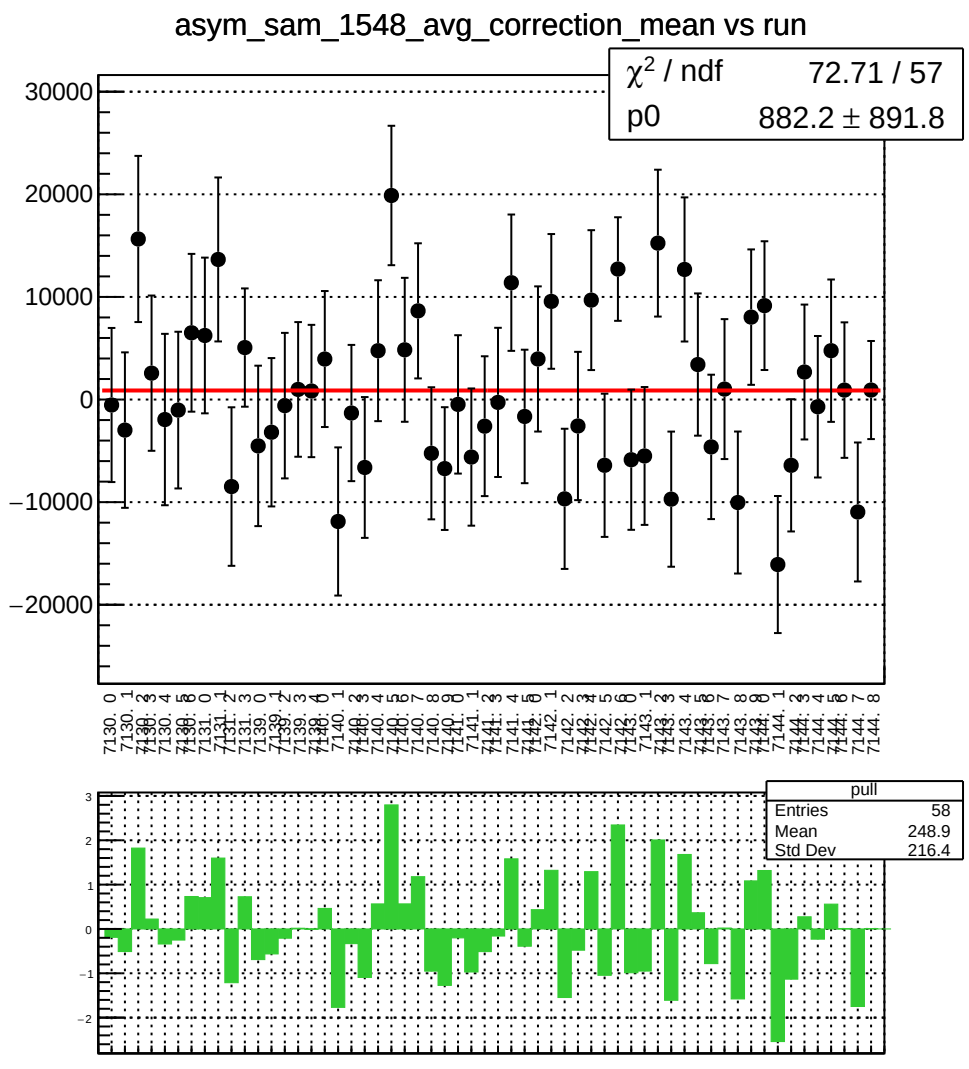

pull1D
Entries 58
Mean −0.01015
Std Dev 1.125

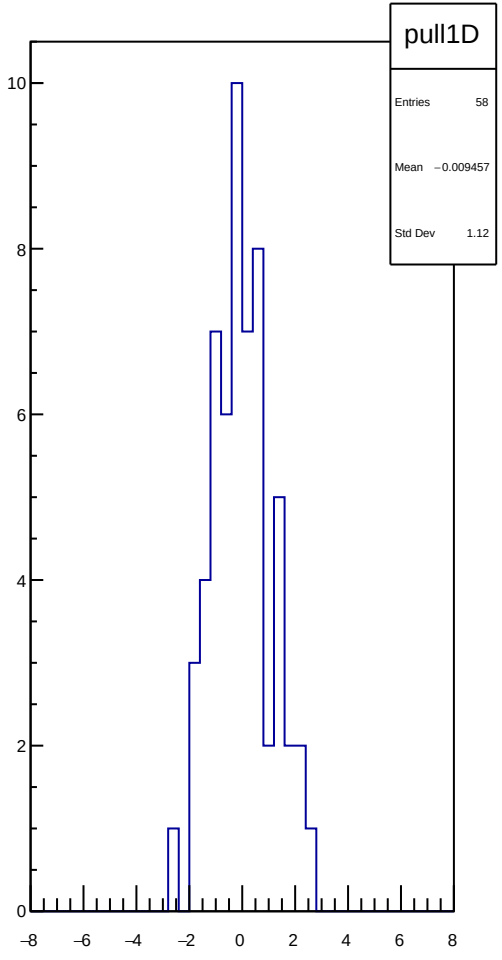

asym_sam_26_48_dd_rms vs run
χ² / ndf 6242 / 57
p0 466.7 ± 0.4447
650
600
550
500
450
400

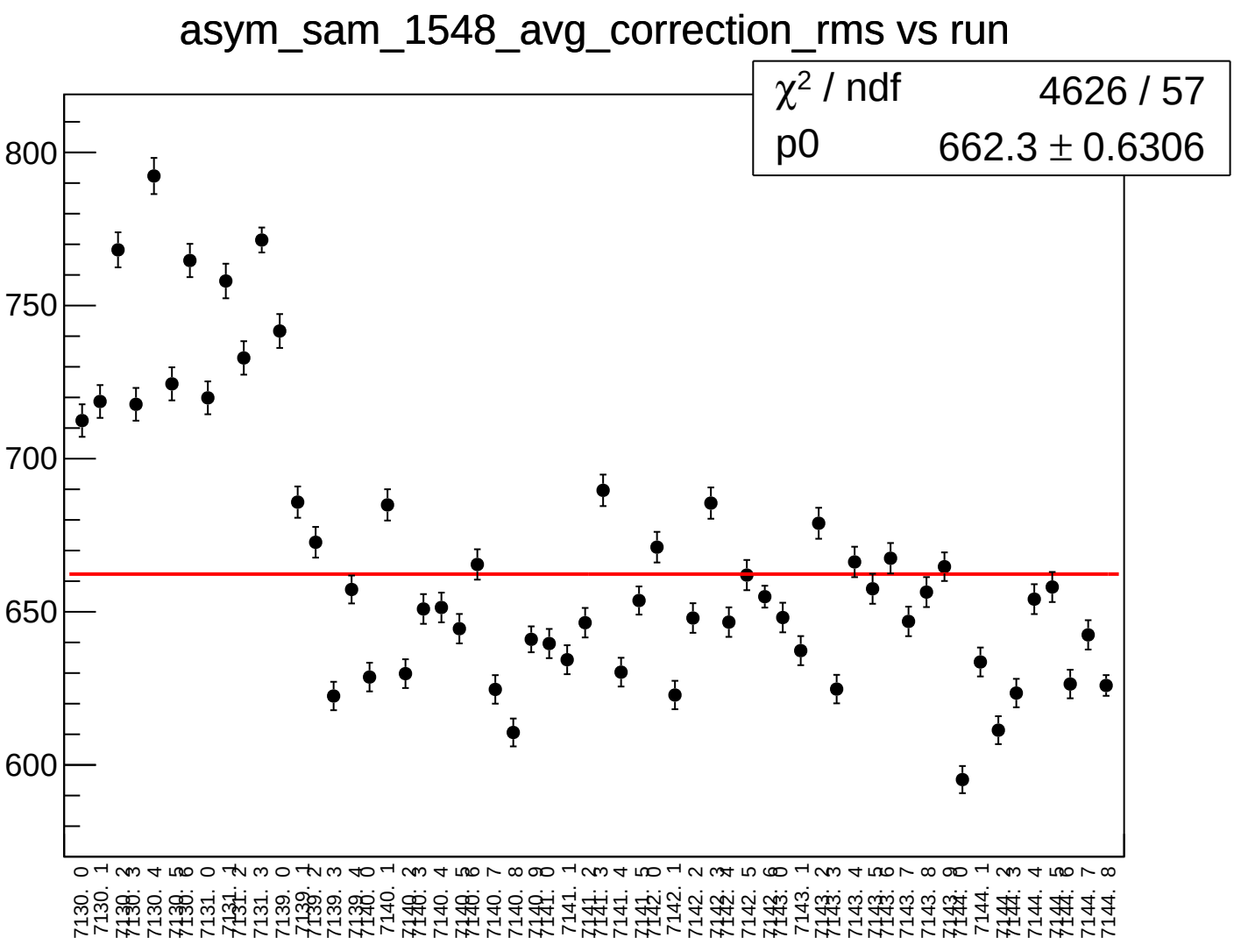

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 77.97 / 57
p0 −96.94 ± 180.9
pull
Entries 58
Mean 46.52
Std Dev 17.2

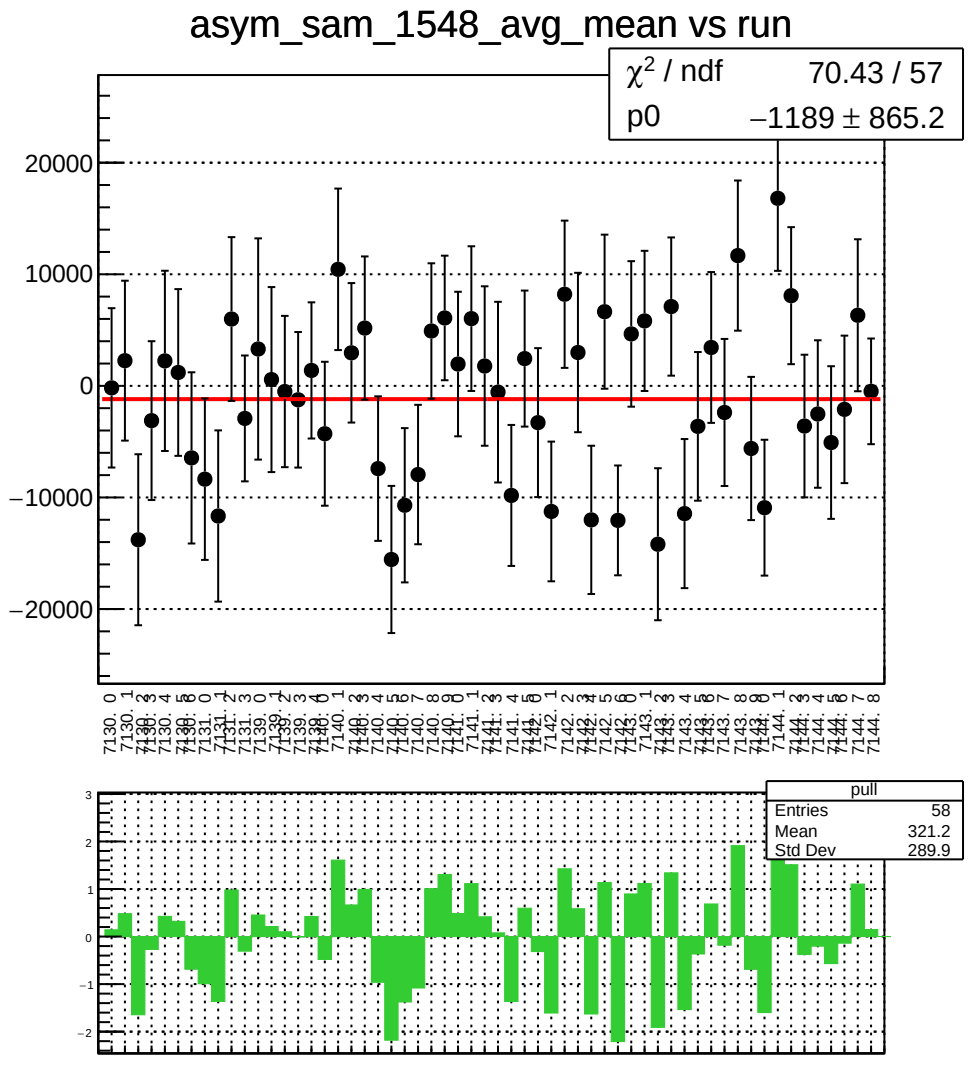

pull1D
Entries 58
Mean −0.0713
Std Dev 1.157

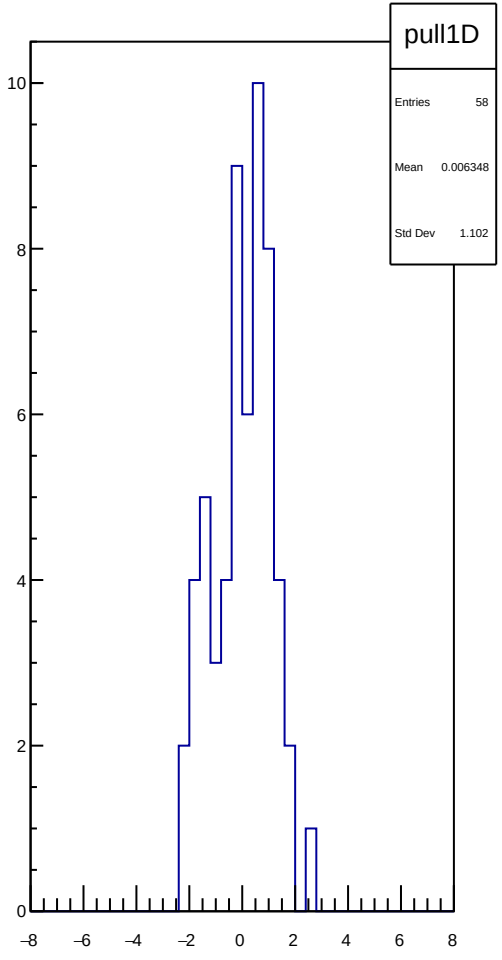

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 6.479e+04 / 57
p0 130.7 ± 0.1279
260
240
220
200
180
160
140
120
100

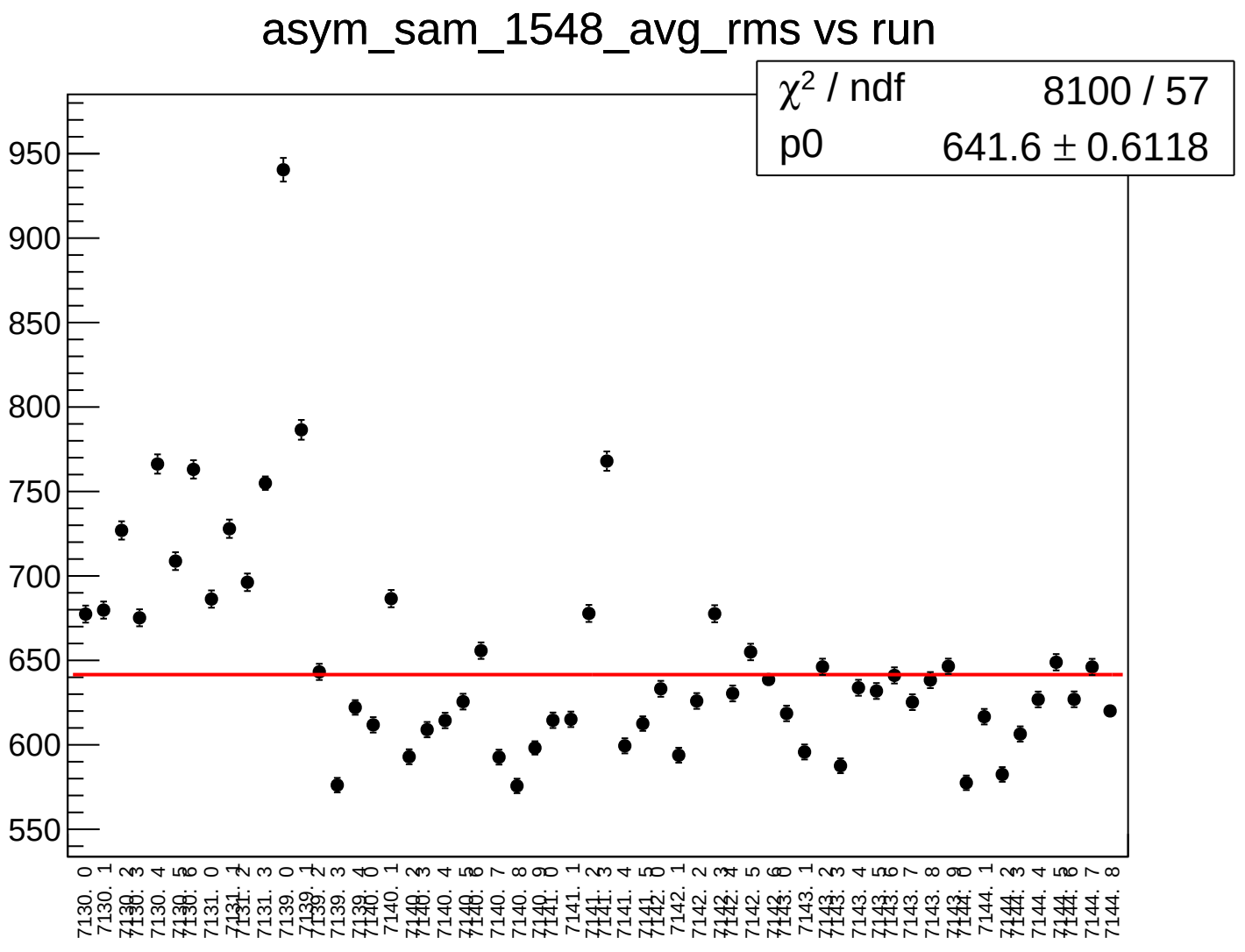

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 72.71 / 57
p0 882.2 ± 891.8
30000
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 248.9
Std Dev 216.4
3
2
1
0
−1
−2

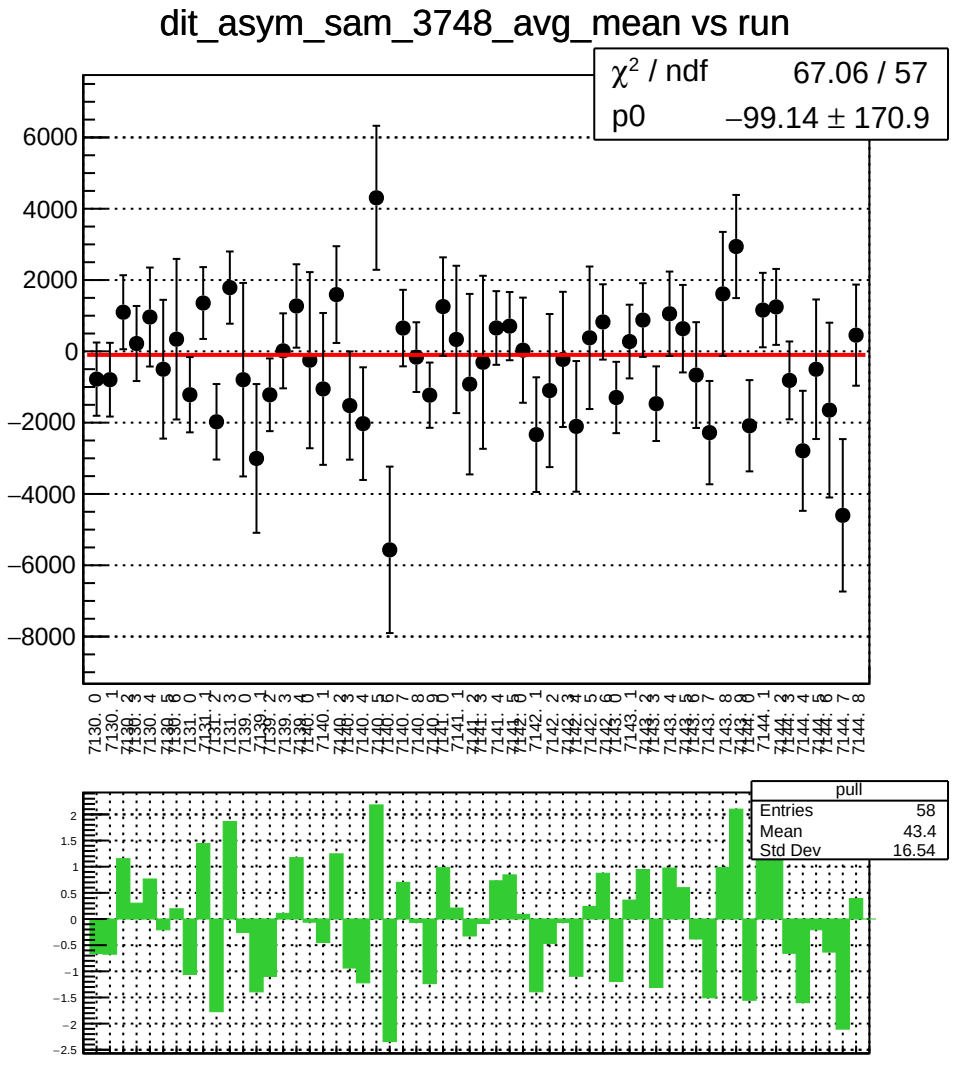

pull1D
Entries 58
Mean −0.009457
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

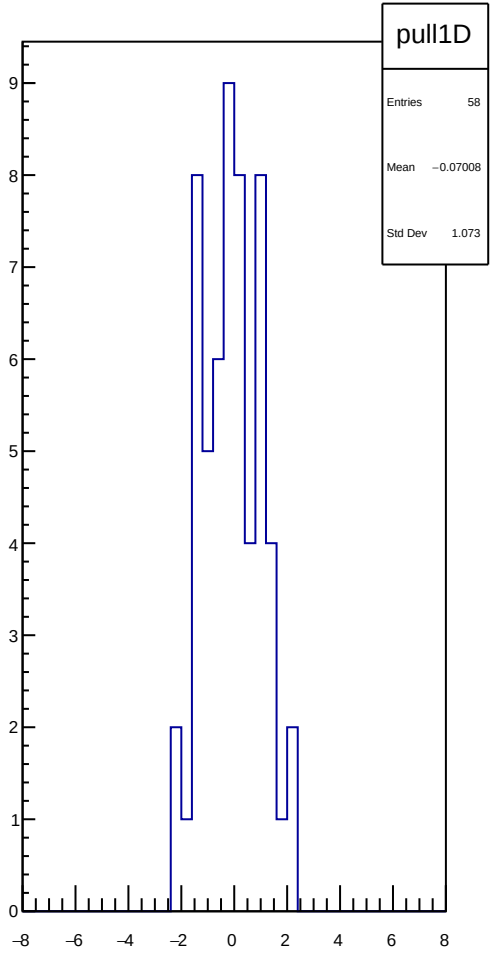

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 4626 / 57
p0 662.3 ± 0.6306
800
750
700
650
600

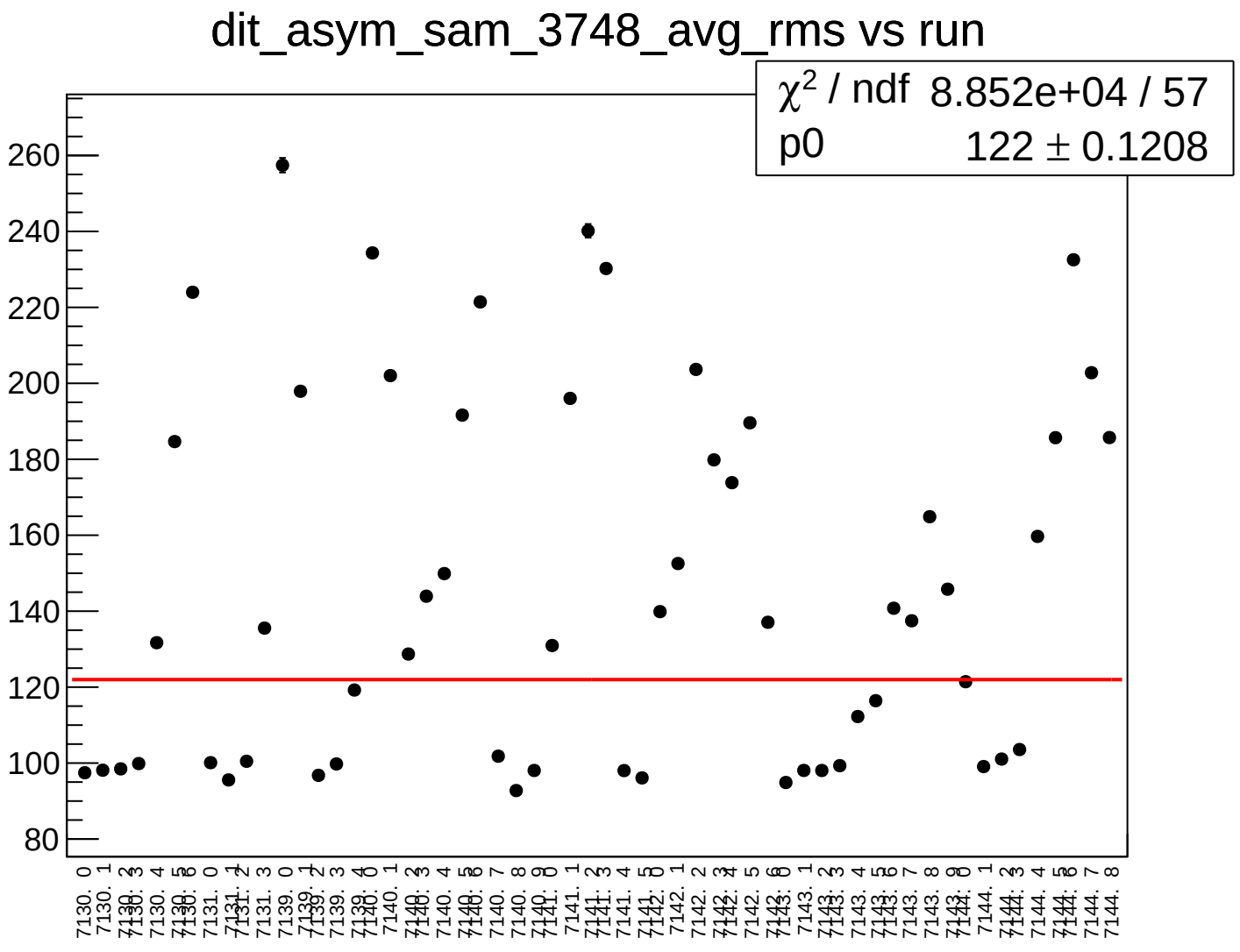

asym_sam_1548_avg_mean vs run
χ² / ndf 70.43 / 57
p0 −1189 ± 865.2
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 321.2
Std Dev 289.9
3
2
1
0
−1
−2

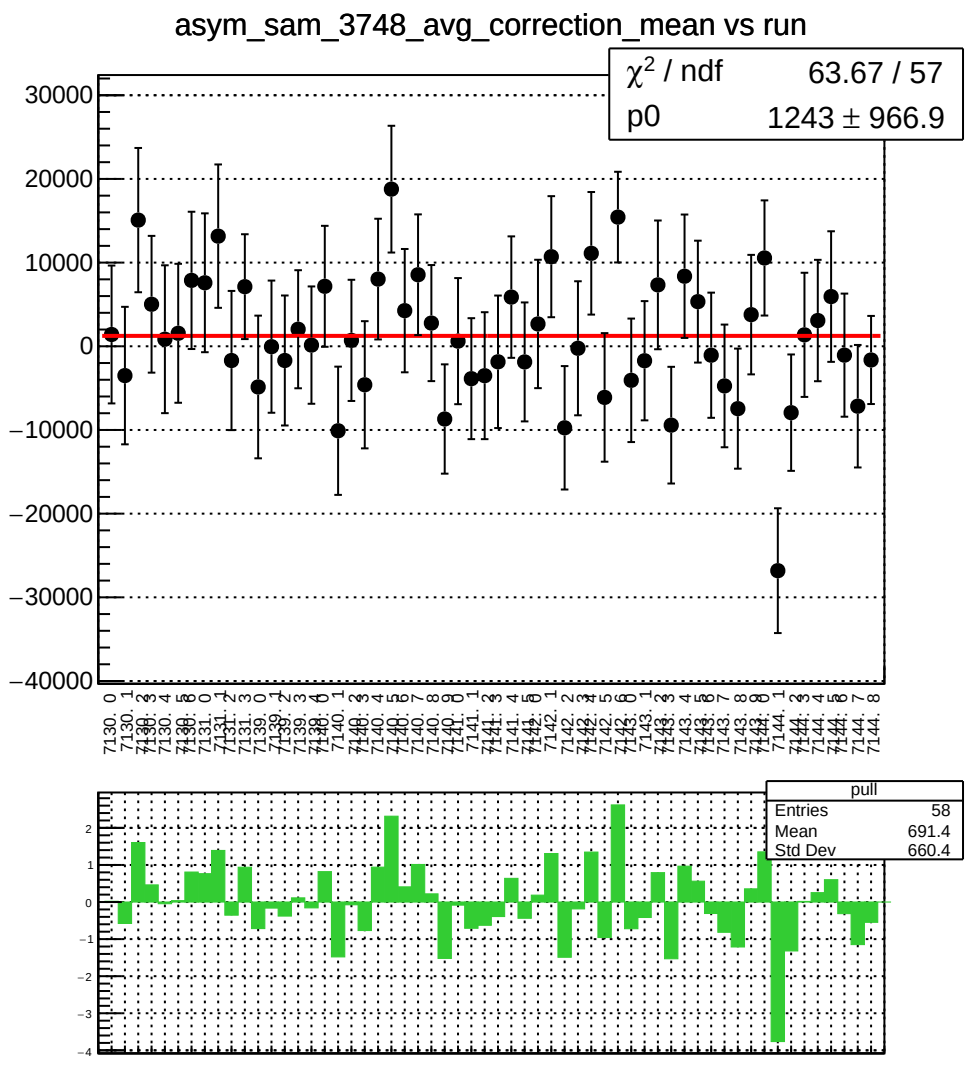

pull1D
Entries 58
Mean 0.006348
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

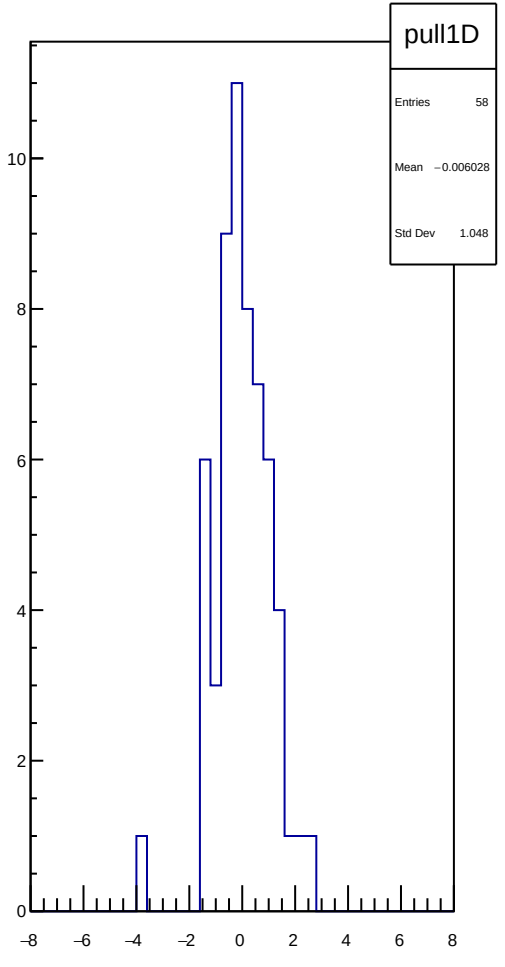

asym_sam_1548_avg_rms vs run
χ² / ndf 8100 / 57
p0 641.6 ± 0.6118
950
900
850
800
750
700
650
600
550
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8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

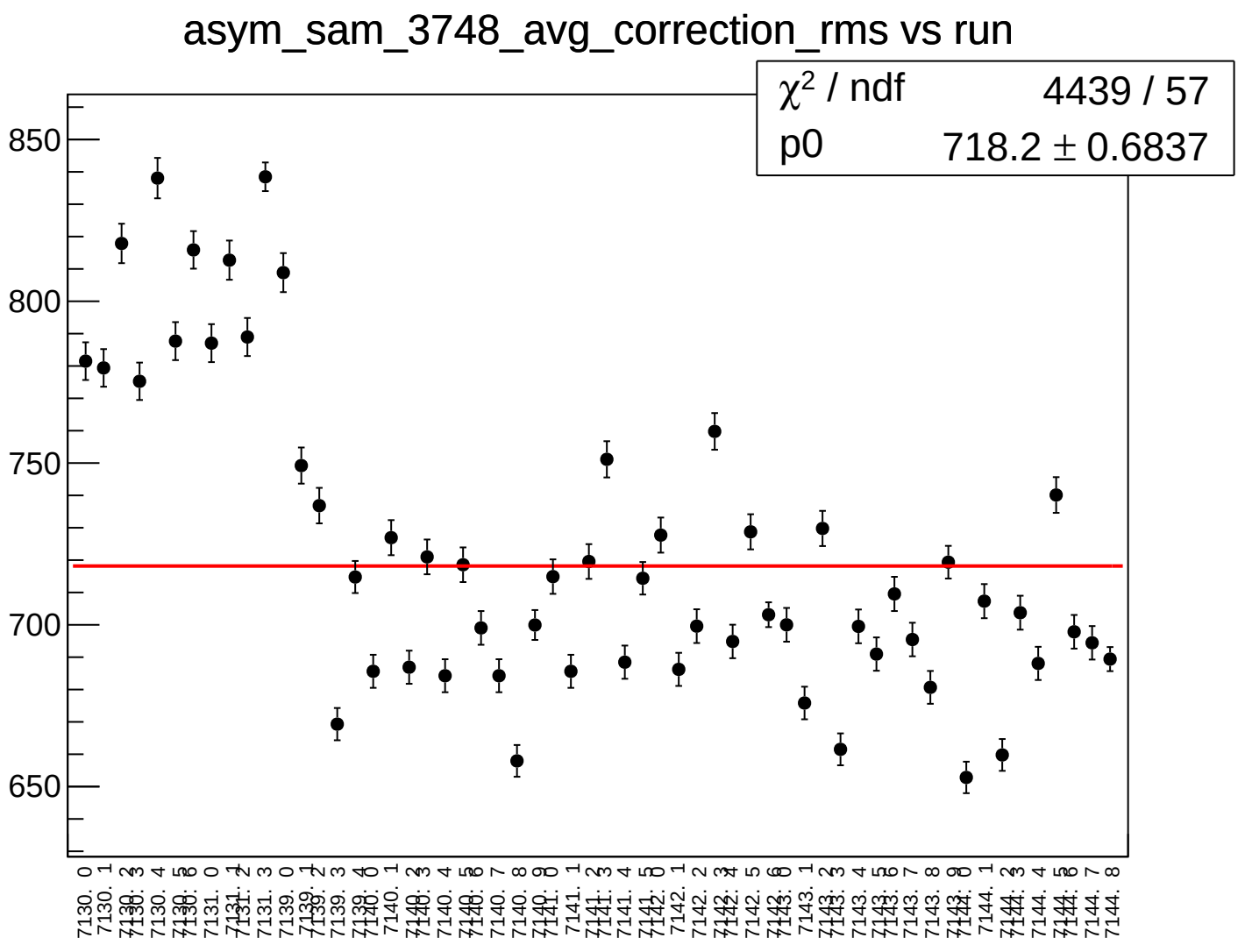

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 67.06 / 57
p0 −99.14 ± 170.9
pull
Entries 58
Mean 43.4
Std Dev 16.54

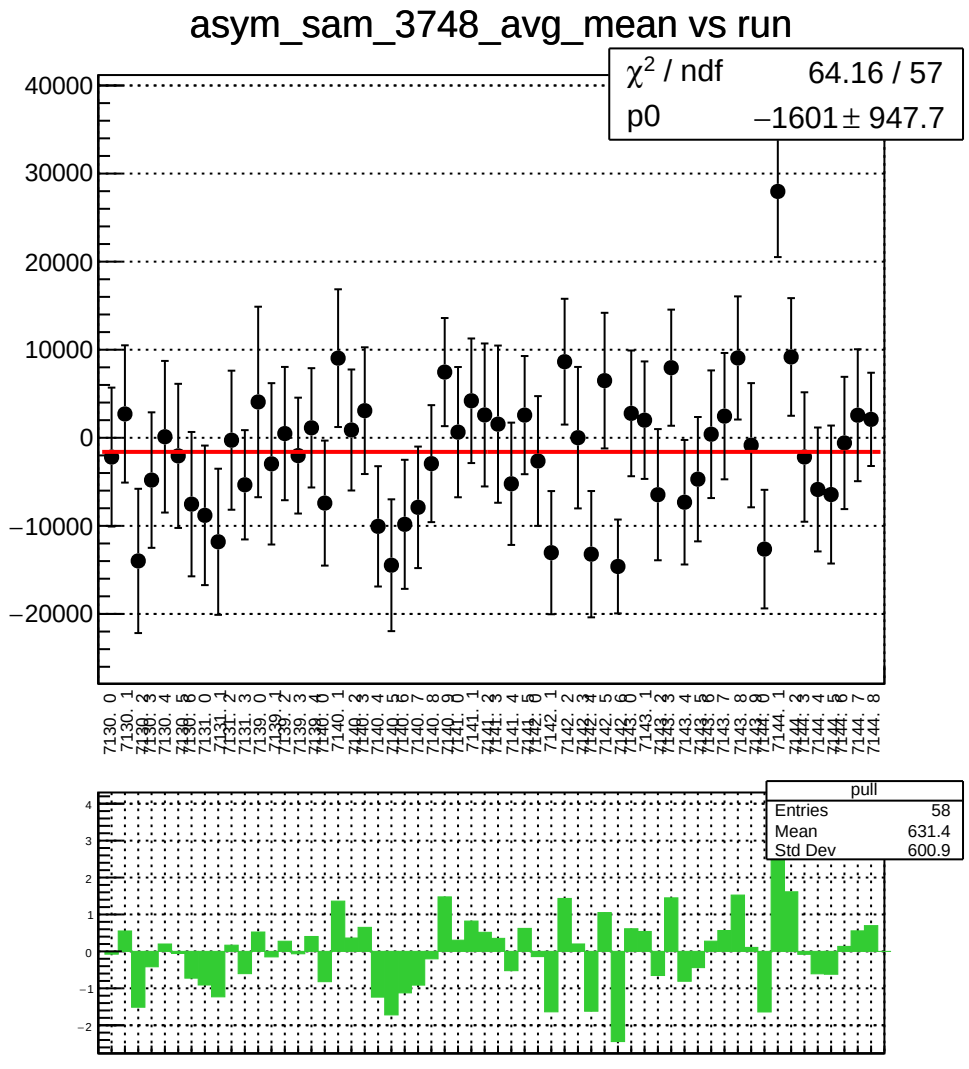

pull1D
Entries 58
Mean −0.07008
Std Dev 1.073

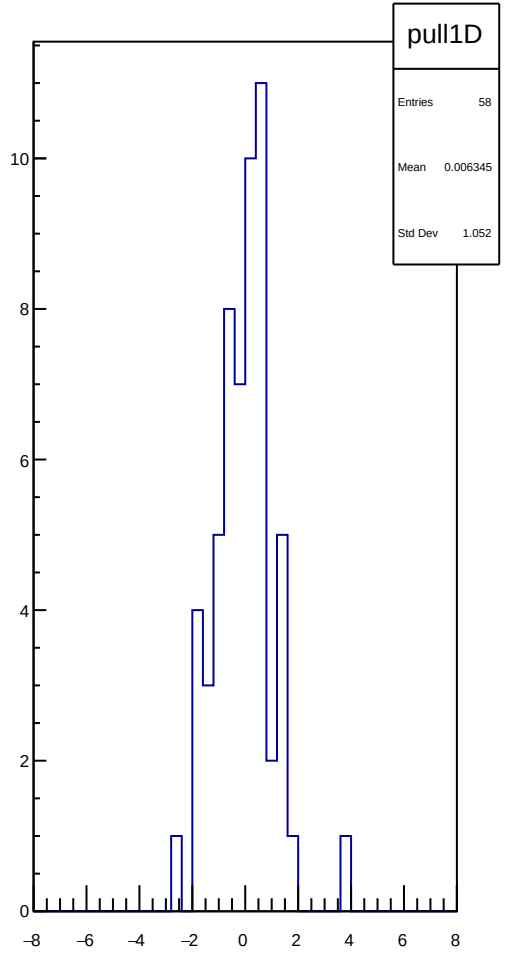

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 8.852e+04 / 57
p0 122 ± 0.1208
260
240
220
200
180
160
140
120
100
80

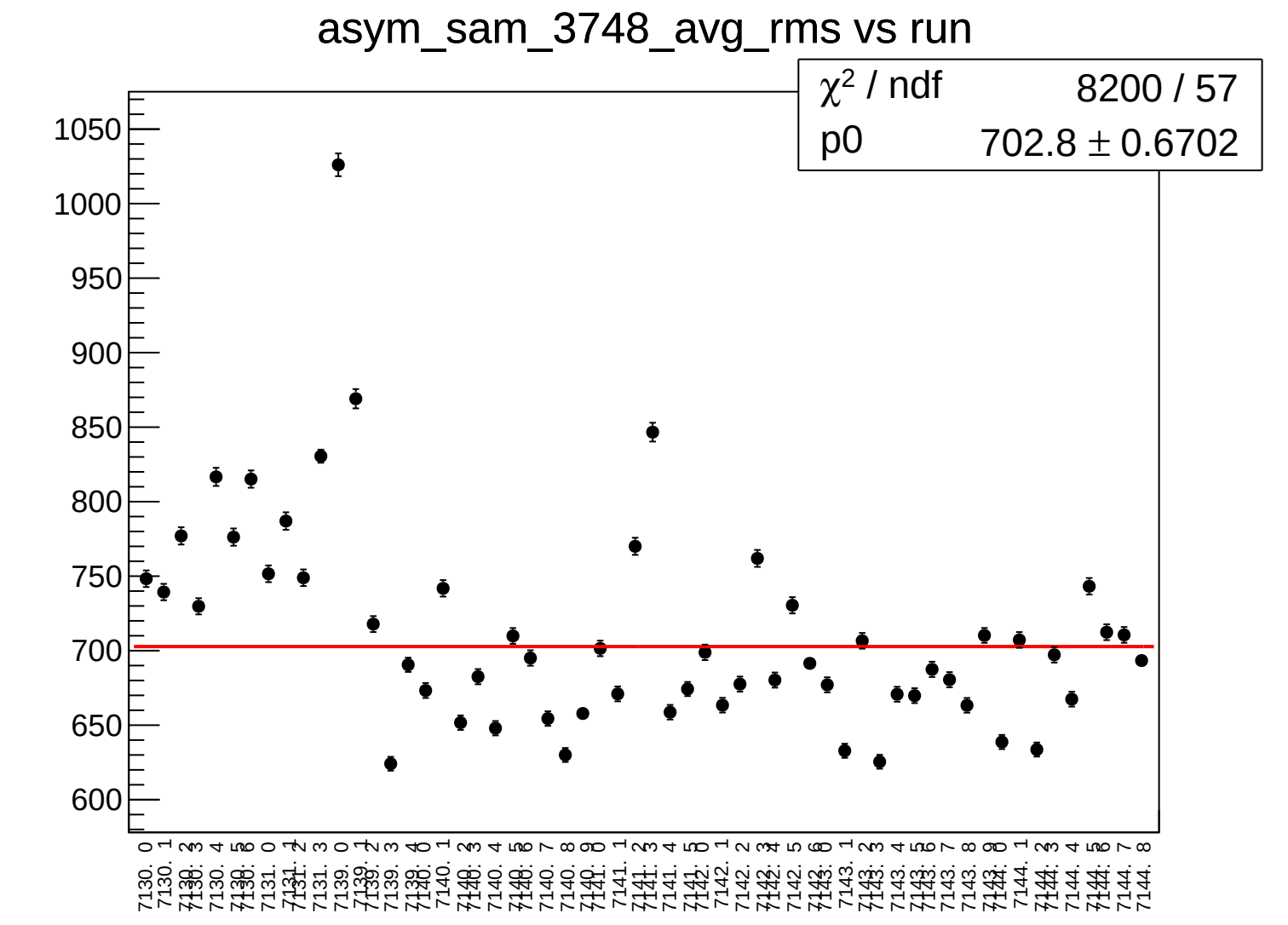

asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 63.67 / 57
p0 1243 ± 966.9
pull
Entries 58
Mean 691.4
Std Dev 660.4

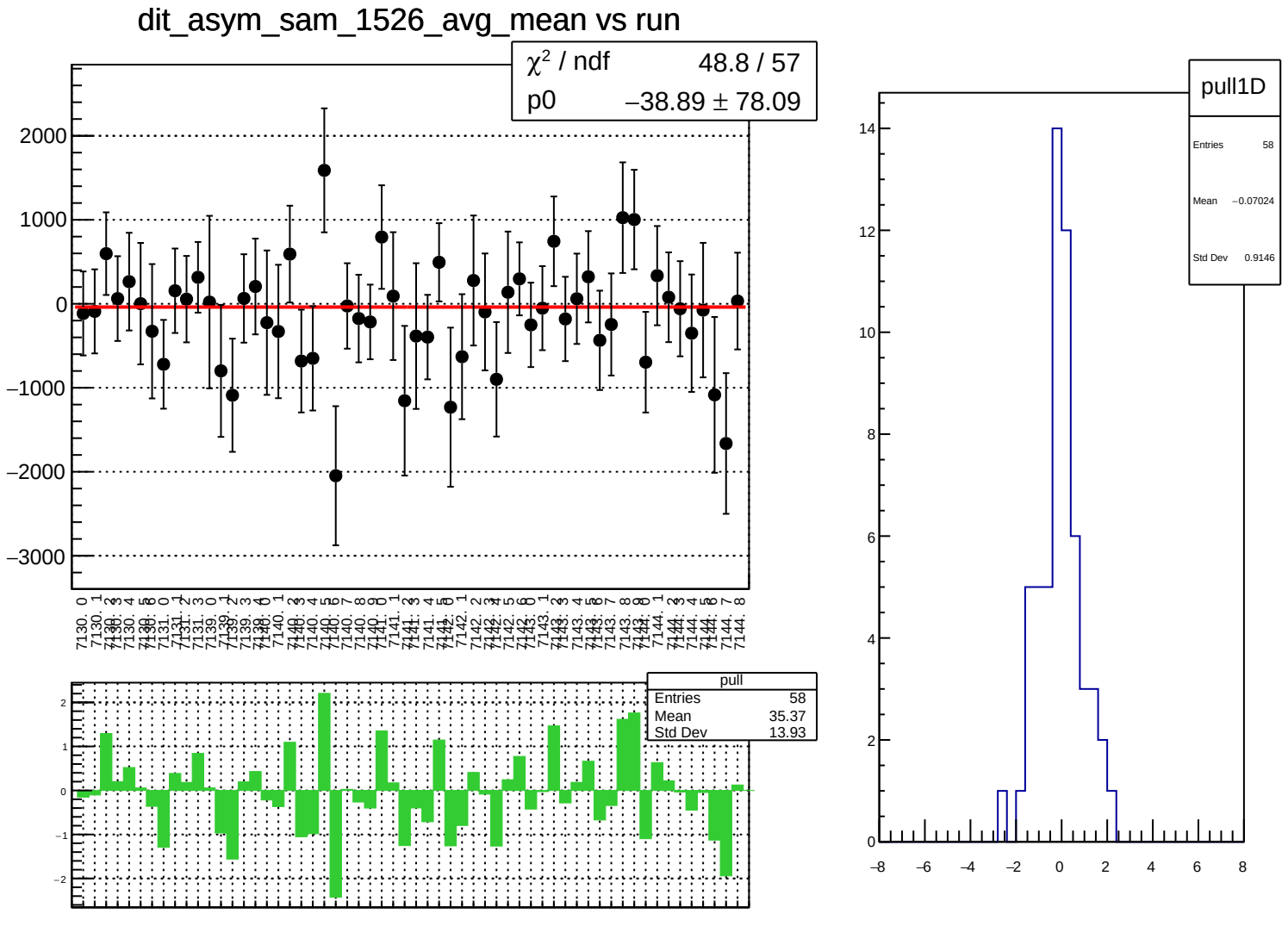

pull1D
Entries 58
Mean −0.006028
Std Dev 1.048

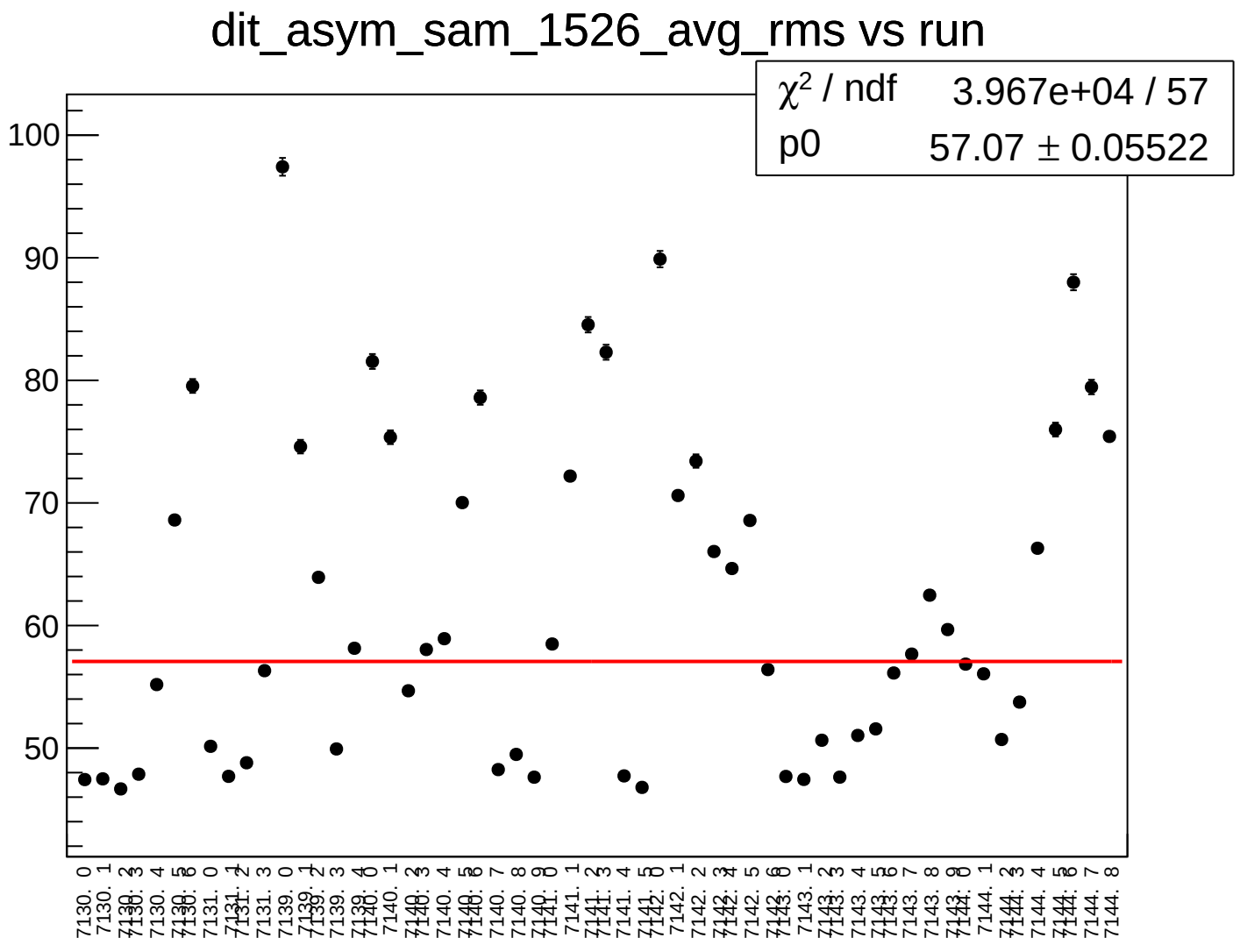

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 4439 / 57
p0 718.2 ± 0.6837
850
800
750
700
650

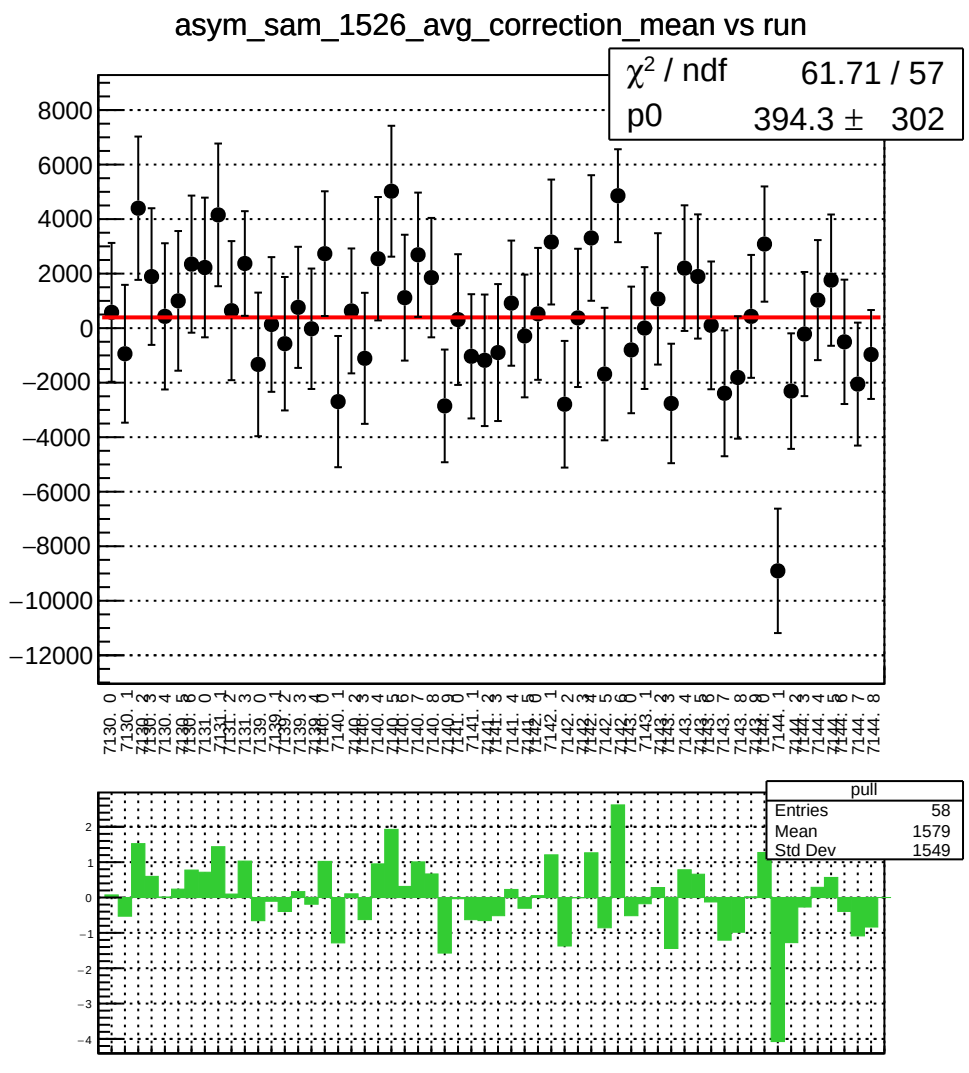

asym_sam_3748_avg_mean vs run
χ² / ndf 64.16 / 57
p0 −1601 ± 947.7
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 631.4
Std Dev 600.9
4
3
2
1
0
−1
−2

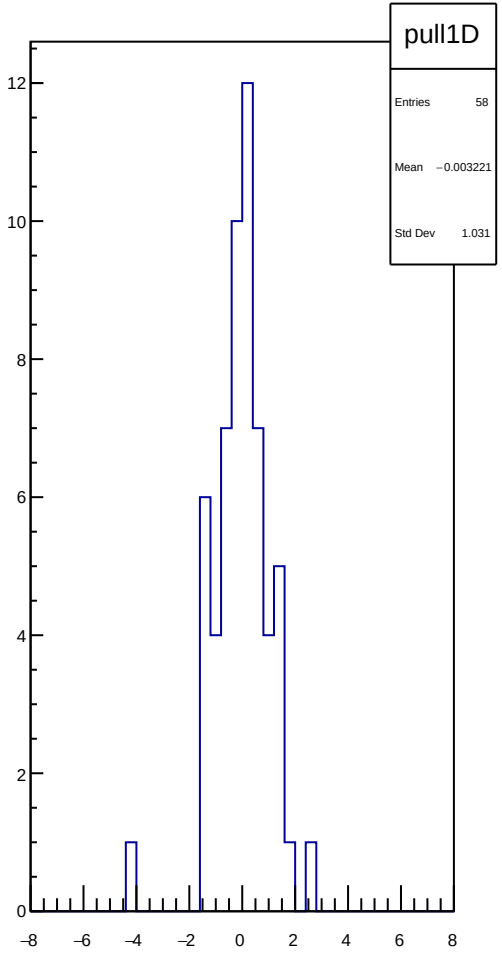

pull1D
Entries 58
Mean 0.006345
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

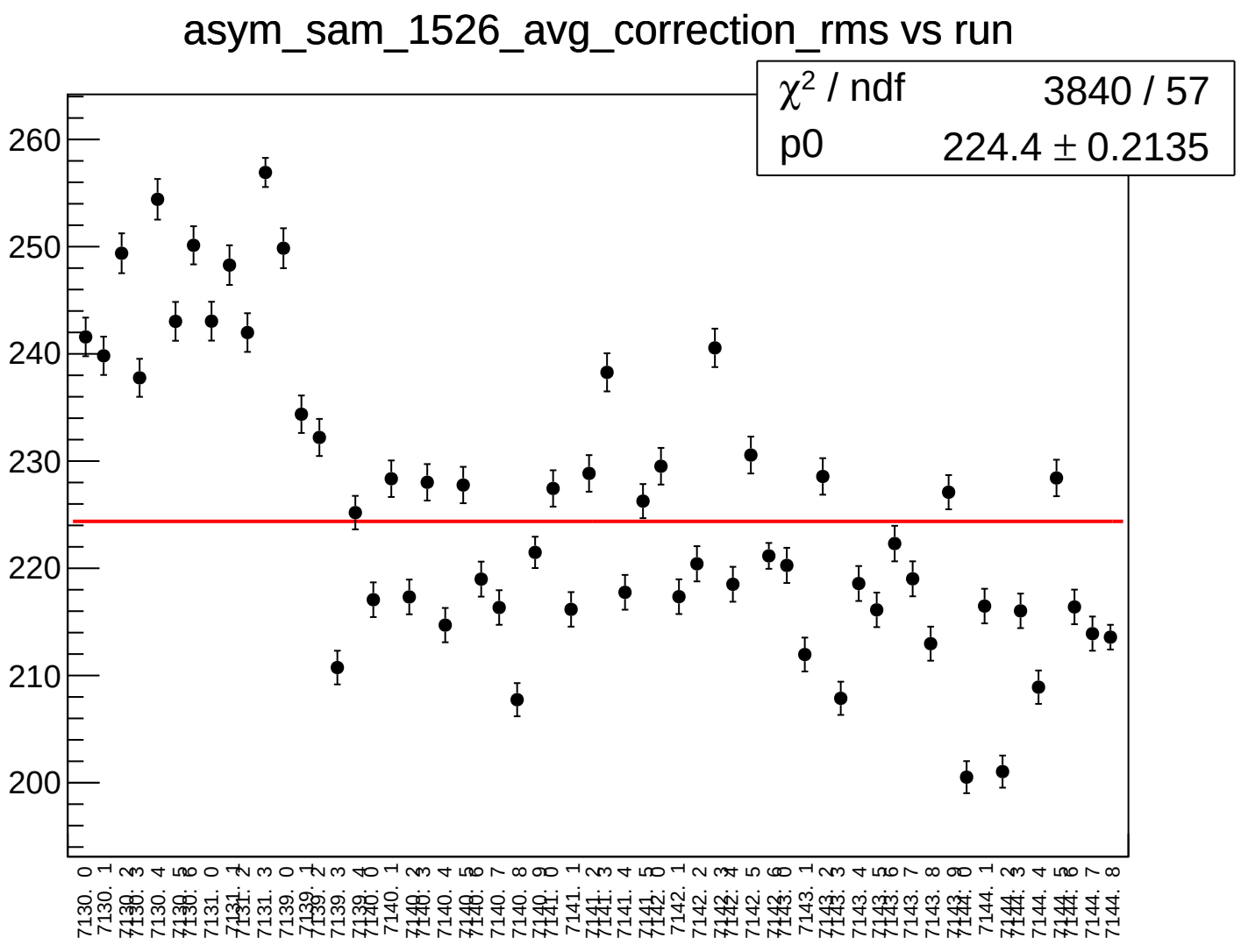

asym_sam_3748_avg_rms vs run
χ² / ndf 8200 / 57
p0 702.8 ± 0.6702
1050
1000
950
900
850
800
750
700
650
600

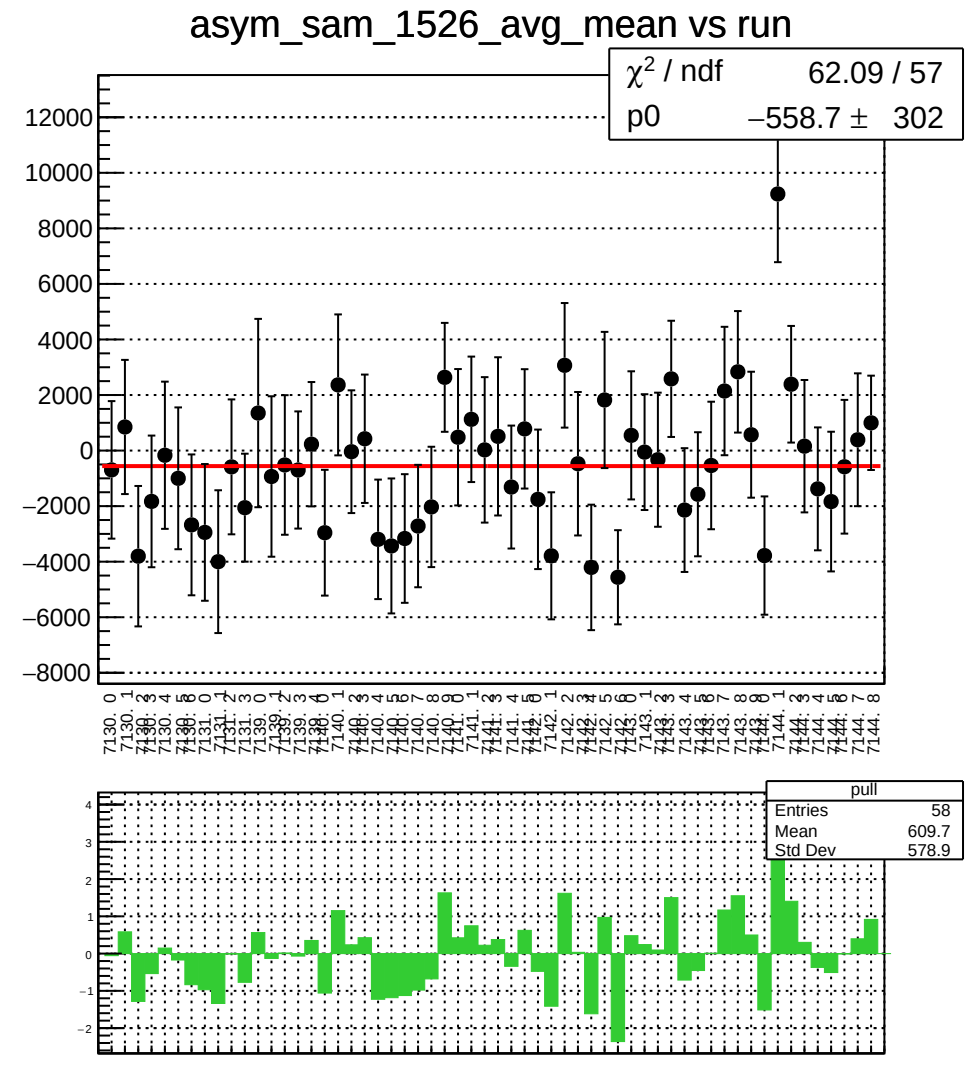

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 48.8 / 57
p0 −38.89 ± 78.09
2000
1000
0
−1000
−2000
−3000
pull
Entries 58
Mean 35.37
Std Dev 13.93
pull1D
Entries 58
Mean −0.07024
Std Dev 0.9146
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

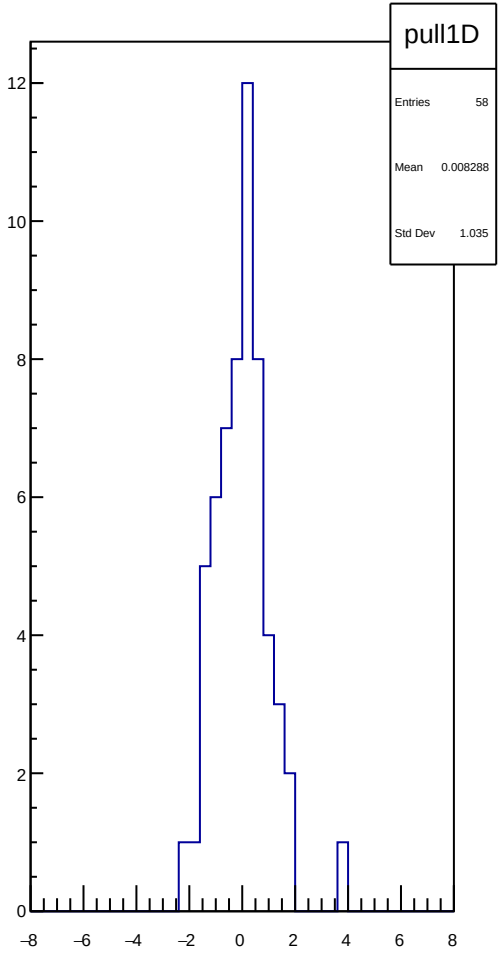

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 3.967e+04 / 57
p0 57.07 ± 0.05522
100
90
80
70
60
50

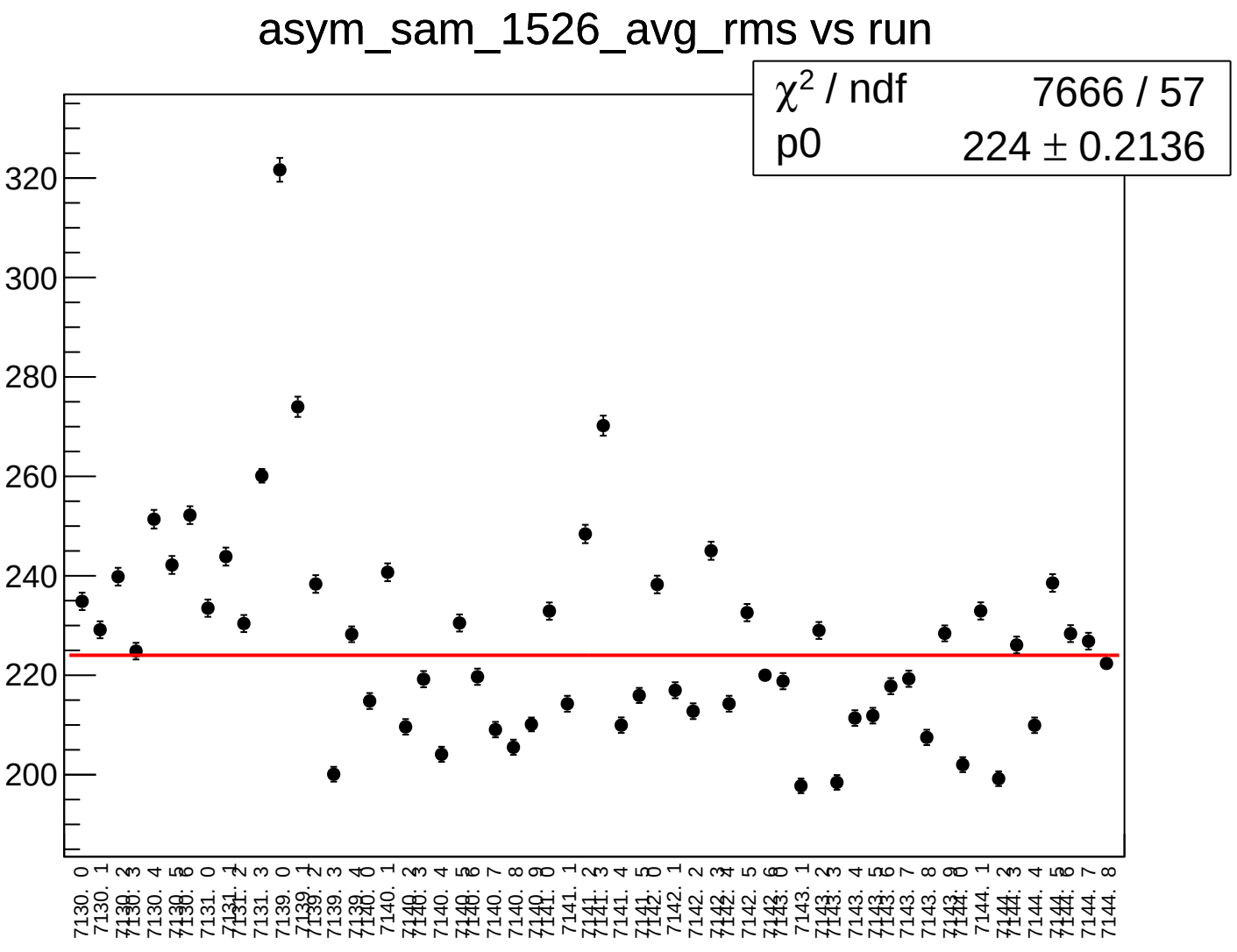

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 61.71 / 57
p0 394.3 ± 302
pull
Entries 58
Mean 1579
Std Dev 1549

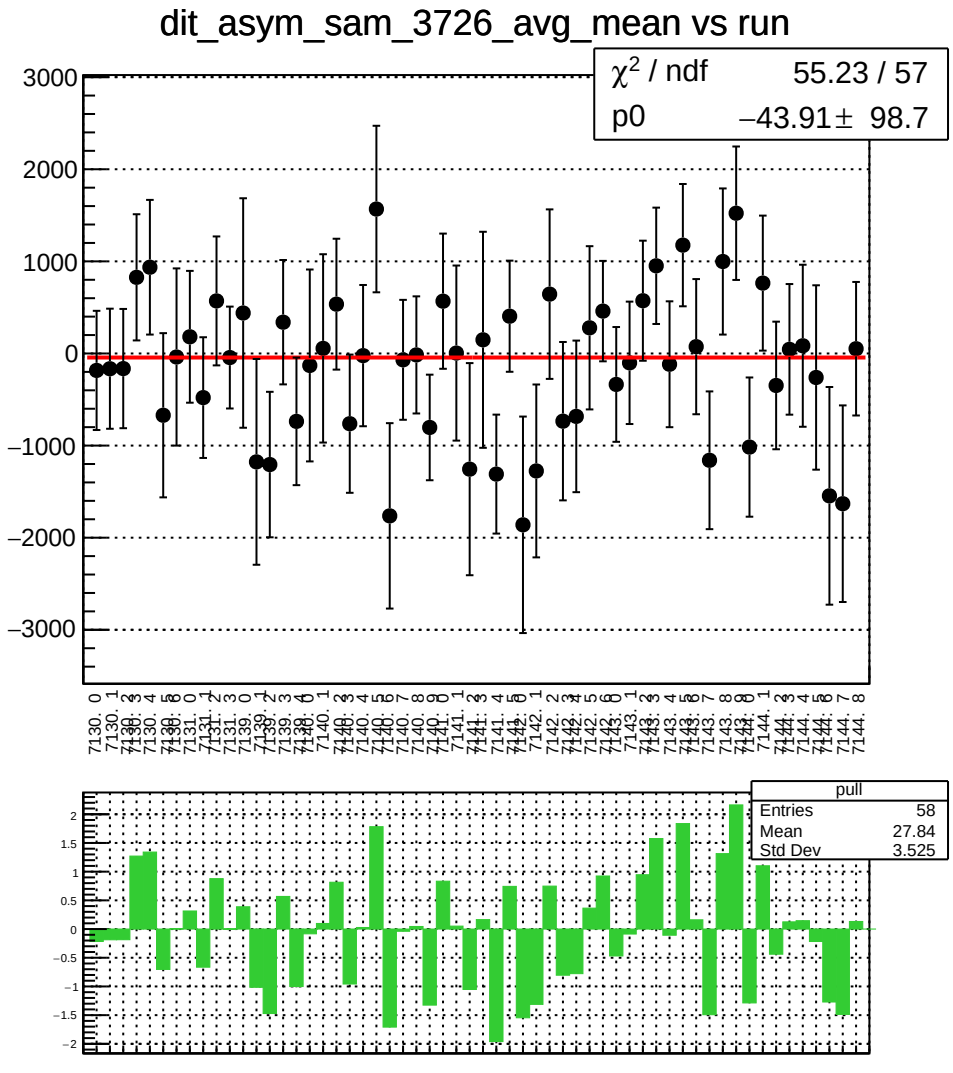

pull1D
Entries 58
Mean −0.003221
Std Dev 1.031

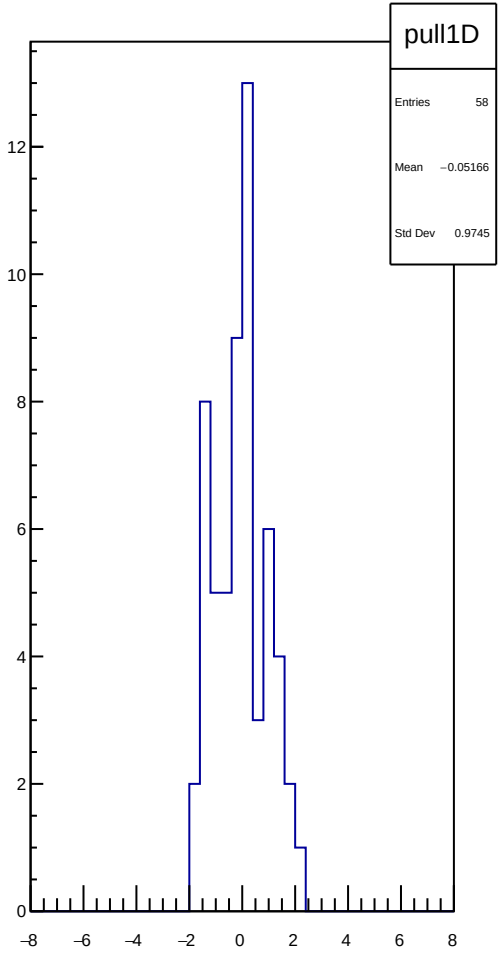

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 3840 / 57
p0 224.4 ± 0.2135
260
250
240
230
220
210
200

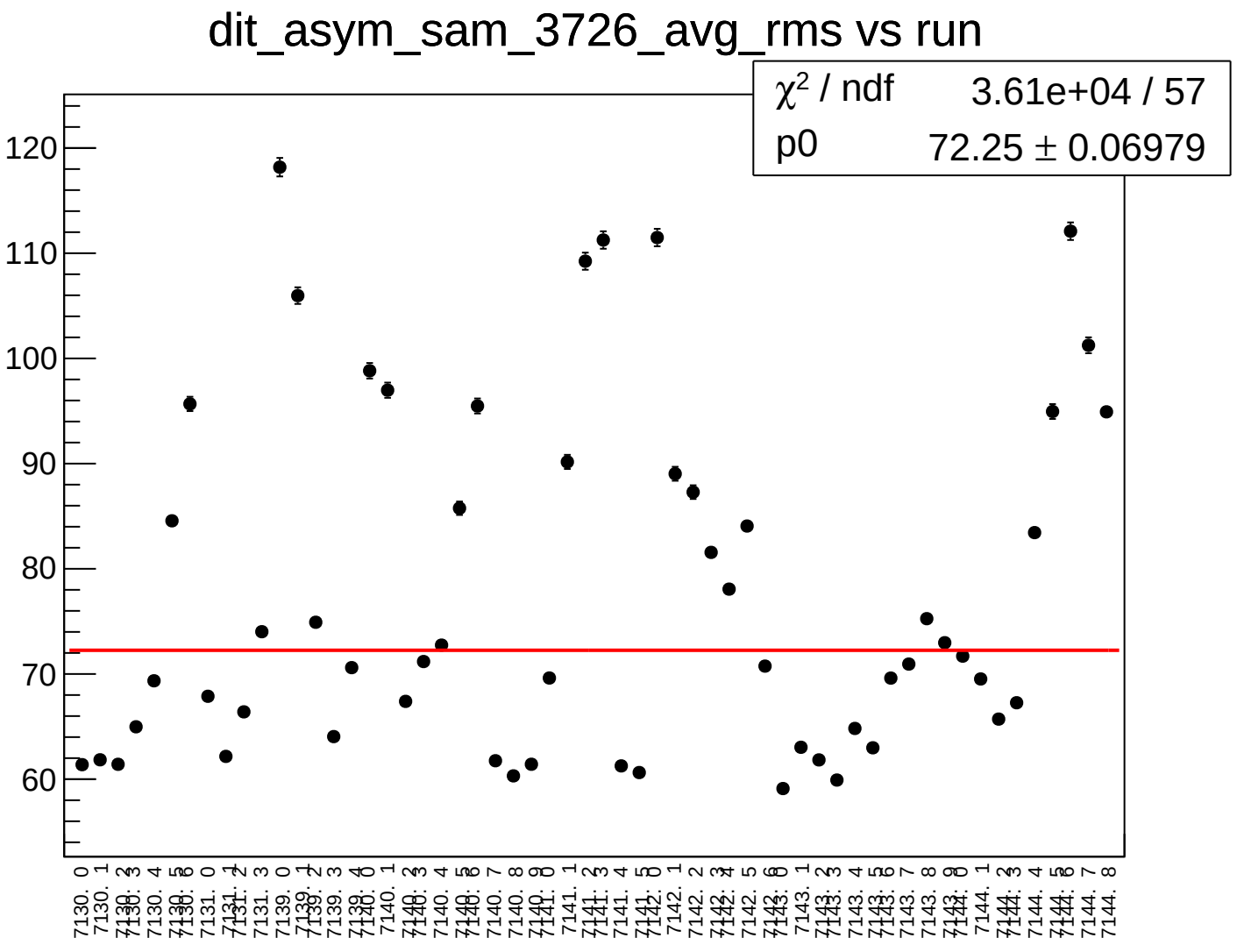

asym_sam_1526_avg_mean vs run
χ² / ndf 62.09 / 57
p0 −558.7 ± 302
pull
Entries 58
Mean 609.7
Std Dev 578.9

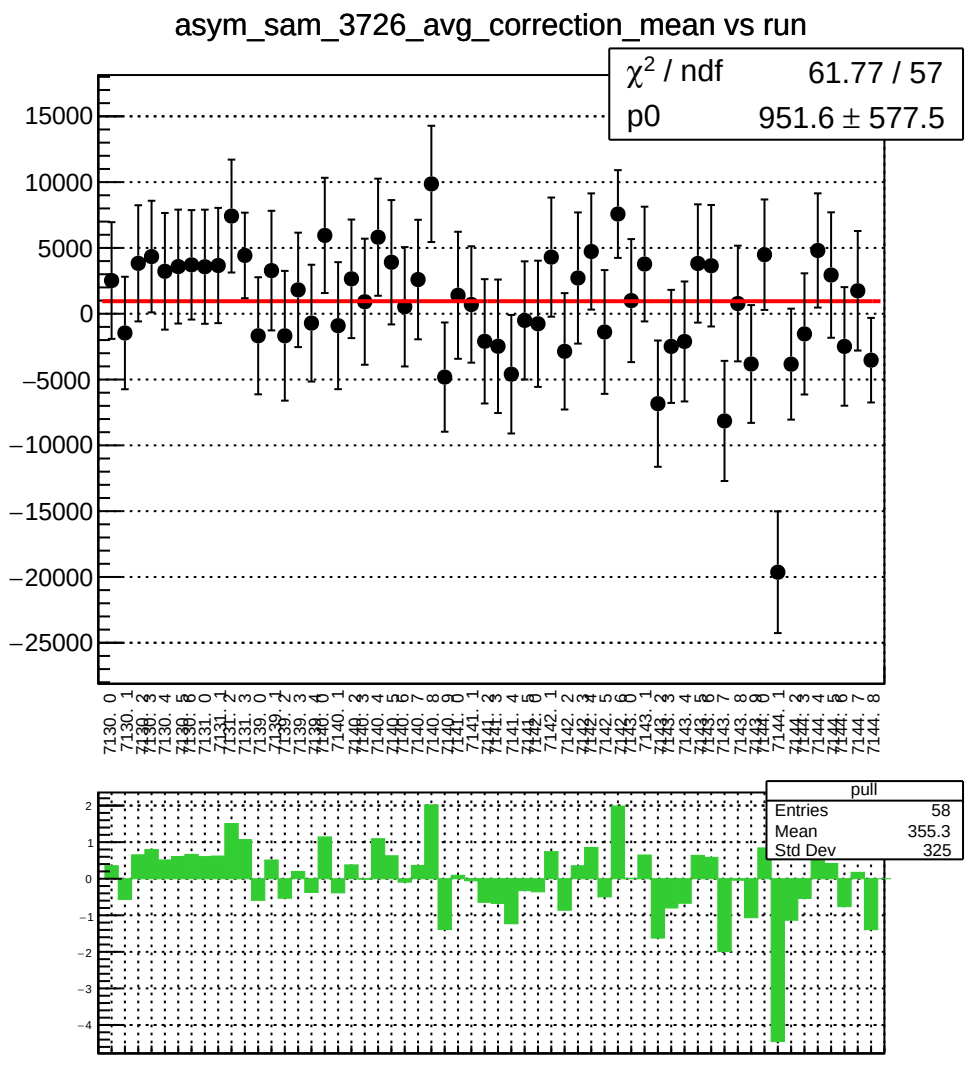

pull1D
Entries 58
Mean 0.008288
Std Dev 1.035

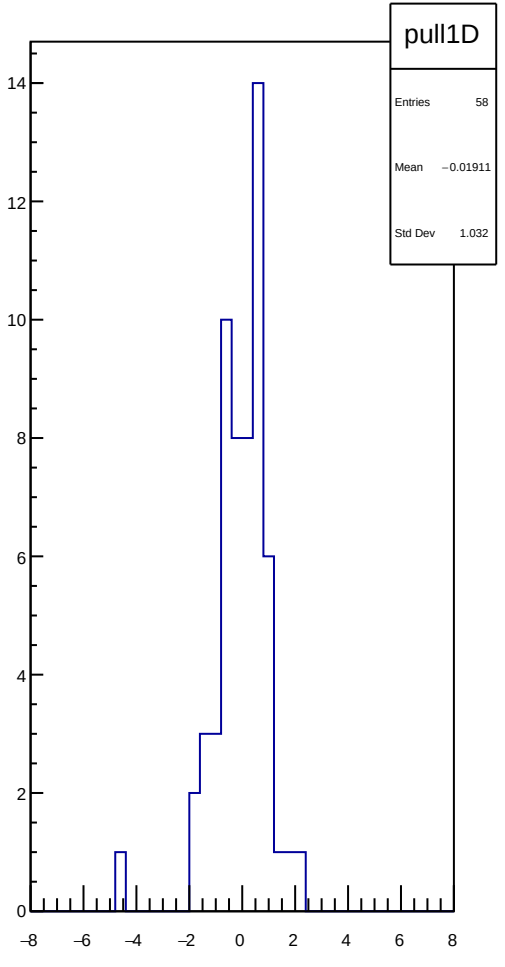

asym_sam_1526_avg_rms vs run
χ^2 / ndf 7666 / 57
p0 224 ± 0.2136
320
300
280
260
240
220
200
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 9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

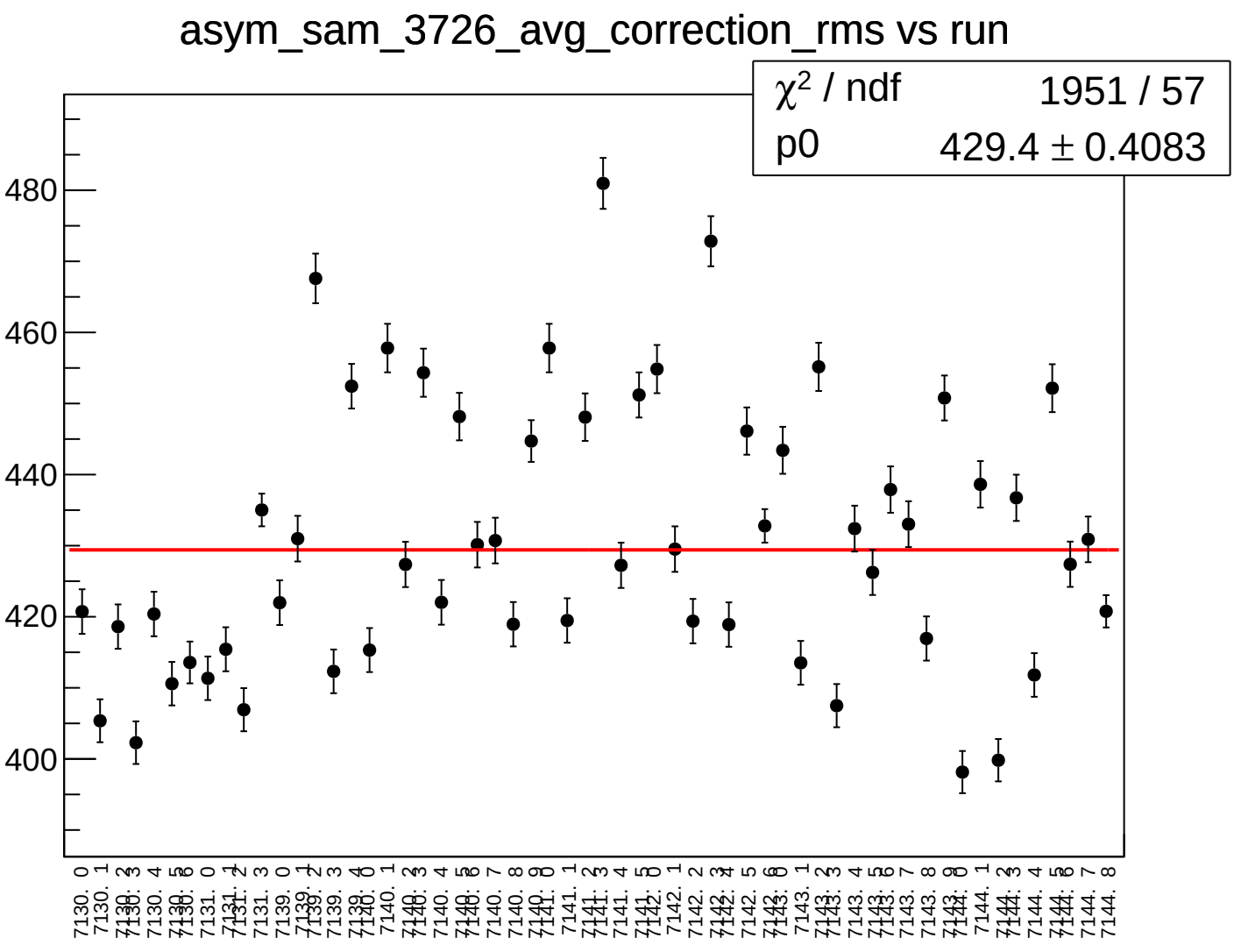

dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 55.23 / 57
p0 −43.91± 98.7
pull
Entries 58
Mean 27.84
Std Dev 3.525

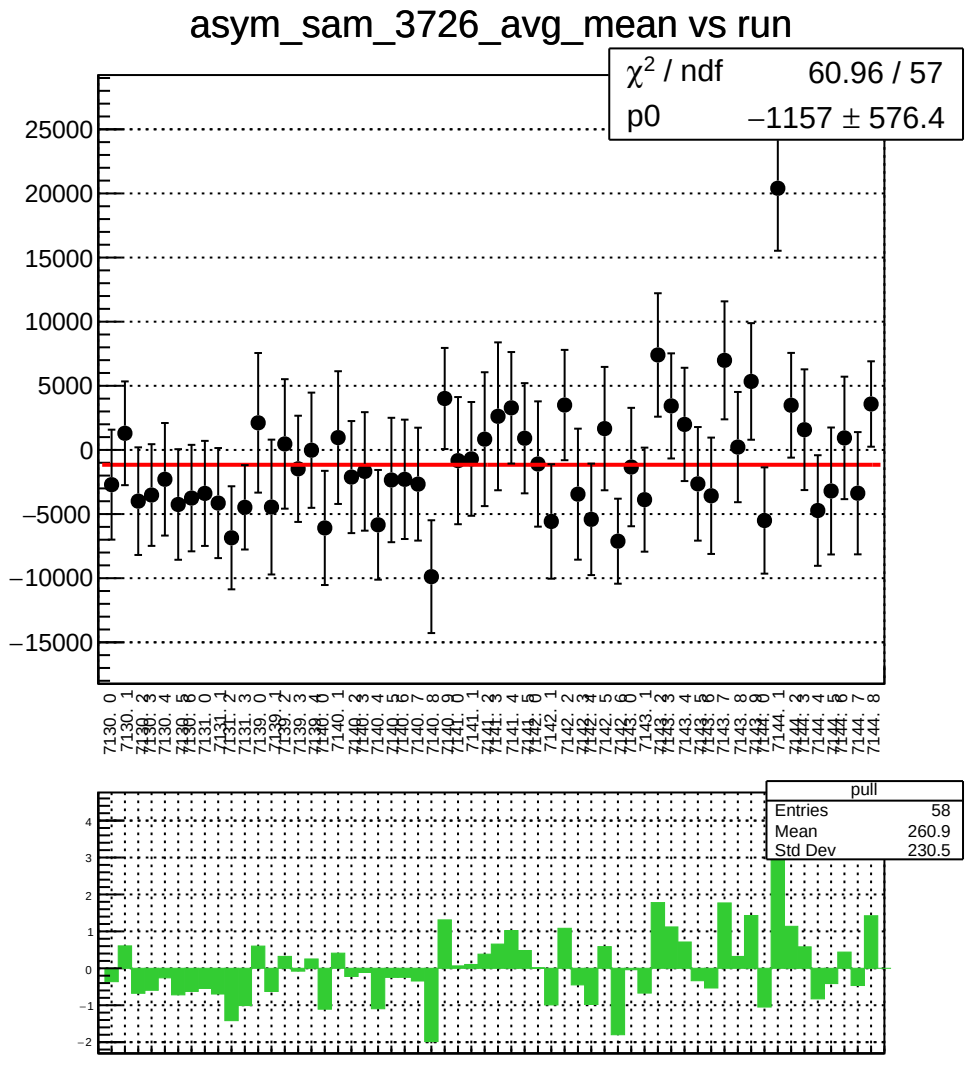

pull1D
Entries 58
Mean −0.05166
Std Dev 0.9745

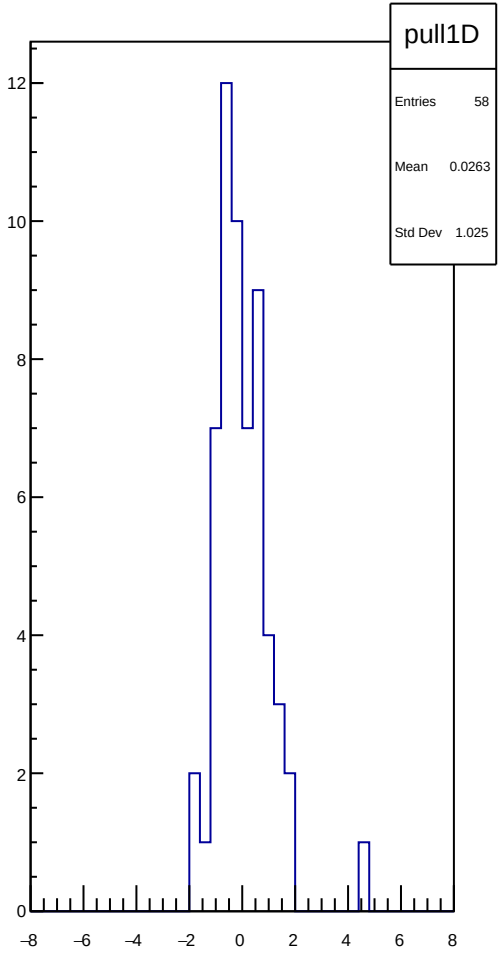

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 3.61e+04 / 57
p0 72.25 ± 0.06979
120
110
100
90
80
70
60

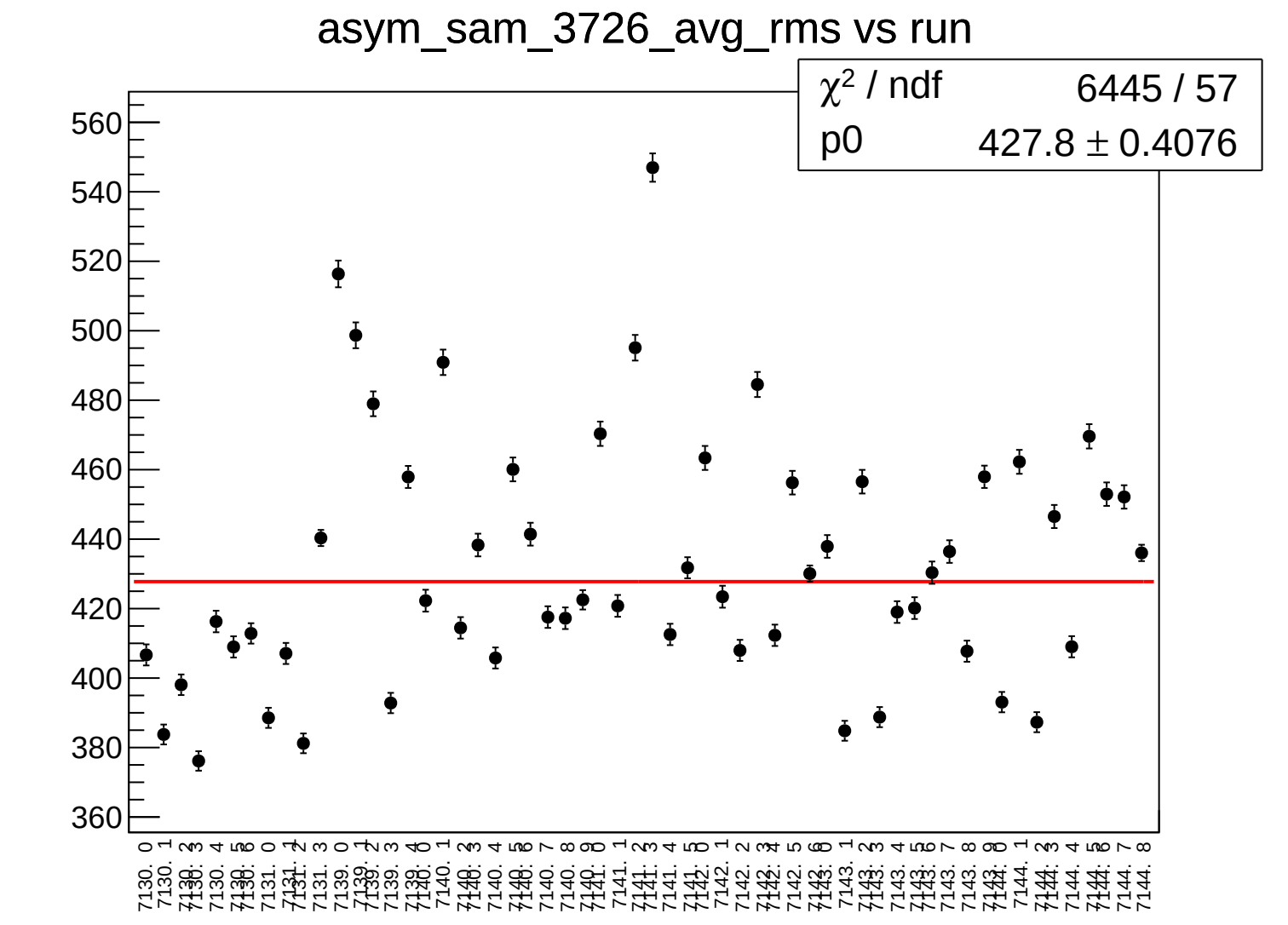

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 61.77 / 57
p0 951.6 ± 577.5
pull
Entries 58
Mean 355.3
Std Dev 325

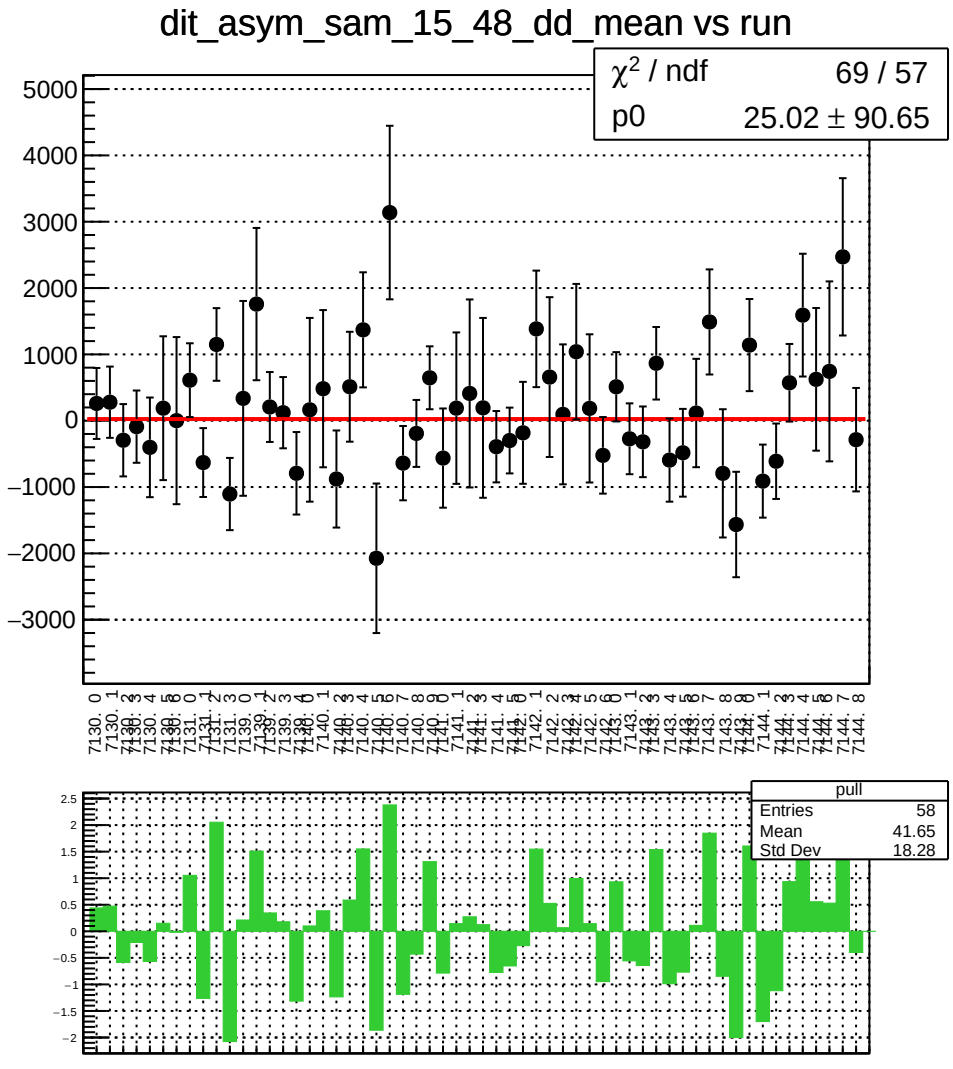

pull1D
Entries 58
Mean −0.01911
Std Dev 1.032

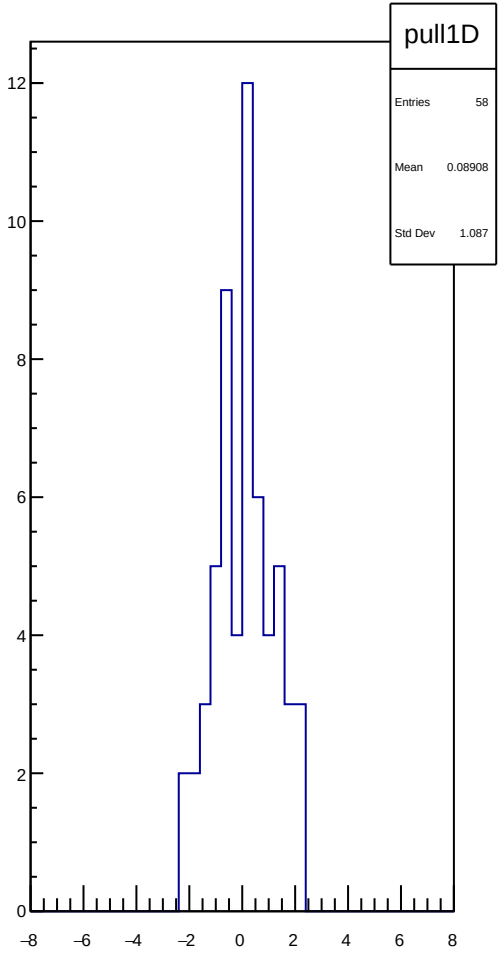

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1951 / 57
p0 429.4 ± 0.4083
480
460
440
420
400
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 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

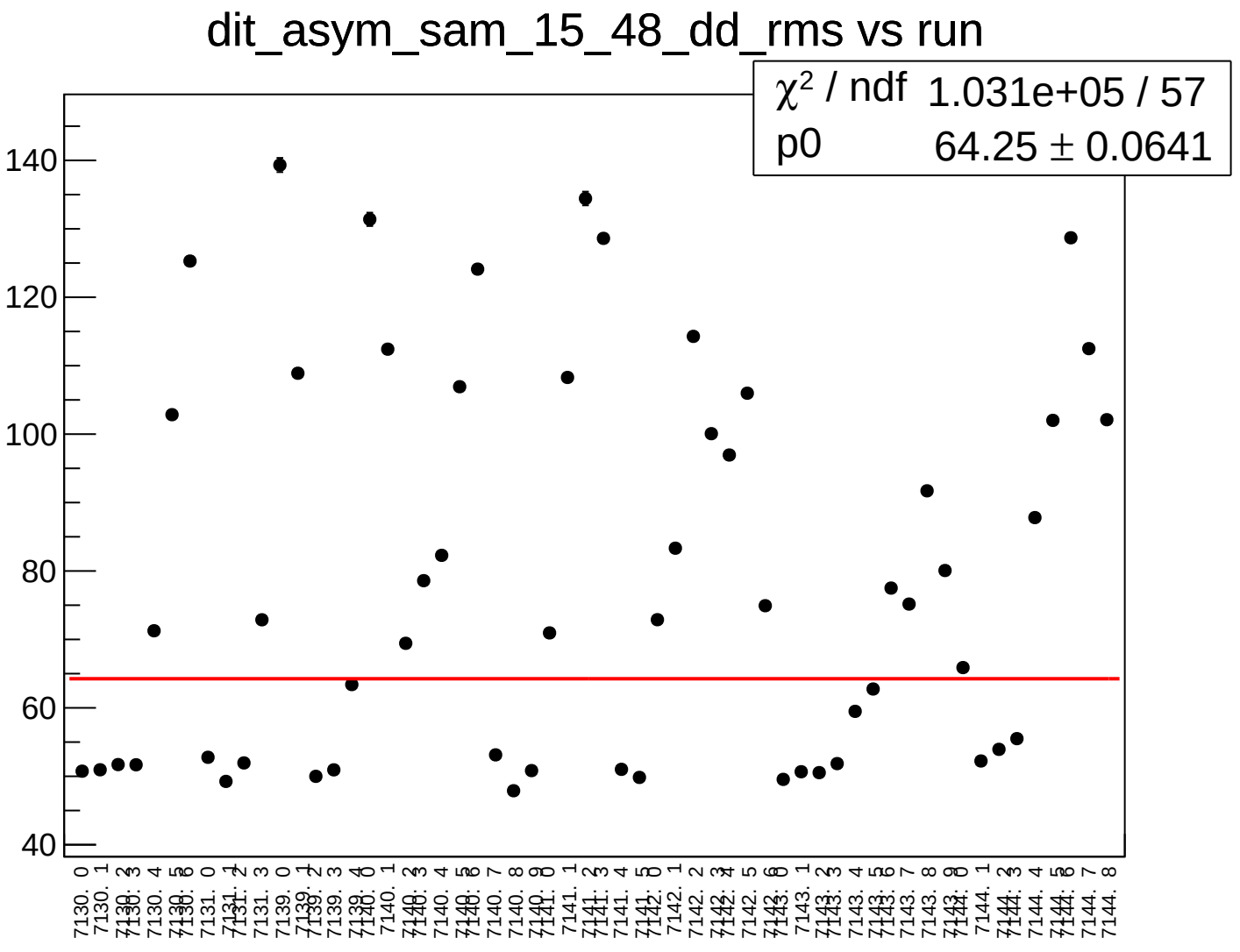

asym_sam_3726_avg_mean vs run
χ² / ndf 60.96 / 57
p0 −1157 ± 576.4
pull
Entries 58
Mean 260.9
Std Dev 230.5

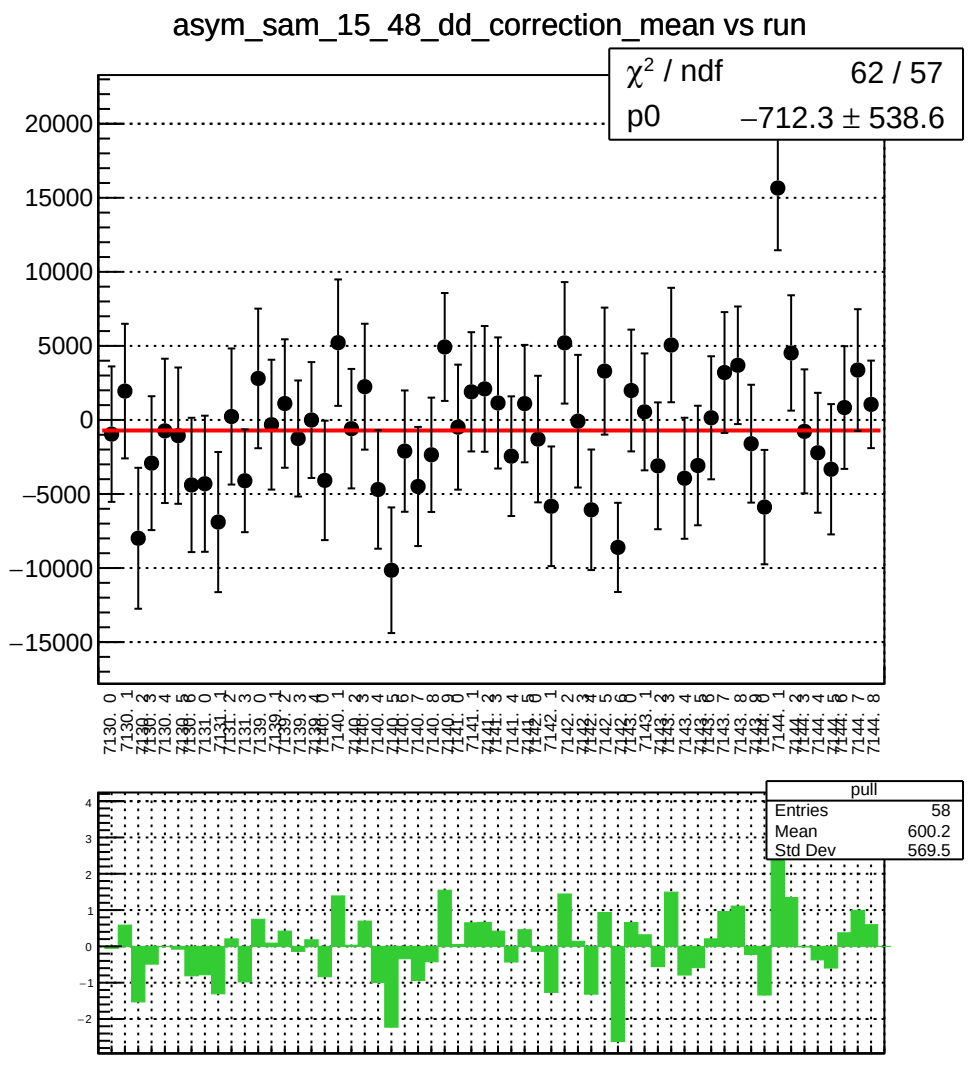

pull1D
Entries 58
Mean 0.0263
Std Dev 1.025

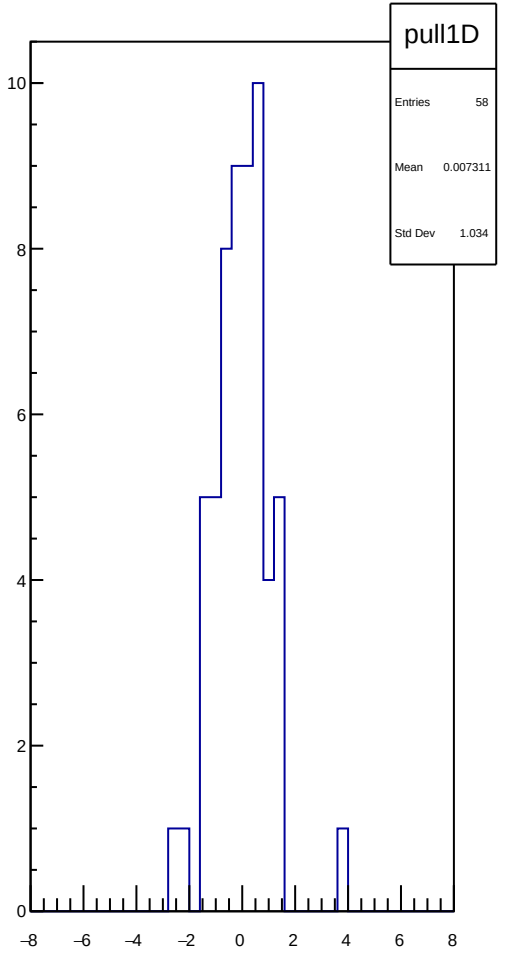

asym_sam_3726_avg_rms vs run
χ² / ndf 6445 / 57
p0 427.8 ± 0.4076
560
540
520
500
480
460
440
420
400
380
360
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7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

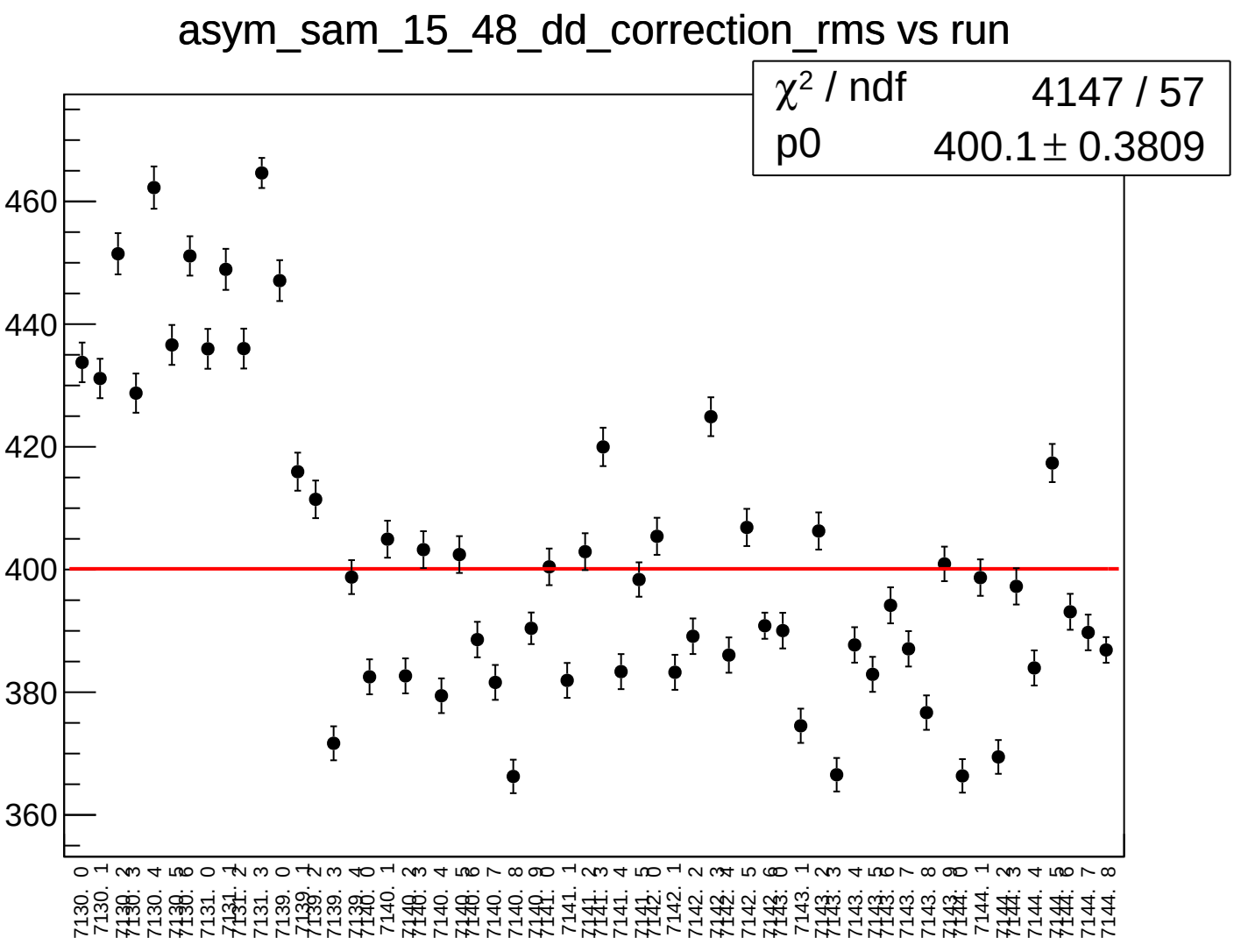

dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 69 / 57
p0 25.02 ± 90.65
pull
Entries 58
Mean 41.65
Std Dev 18.28

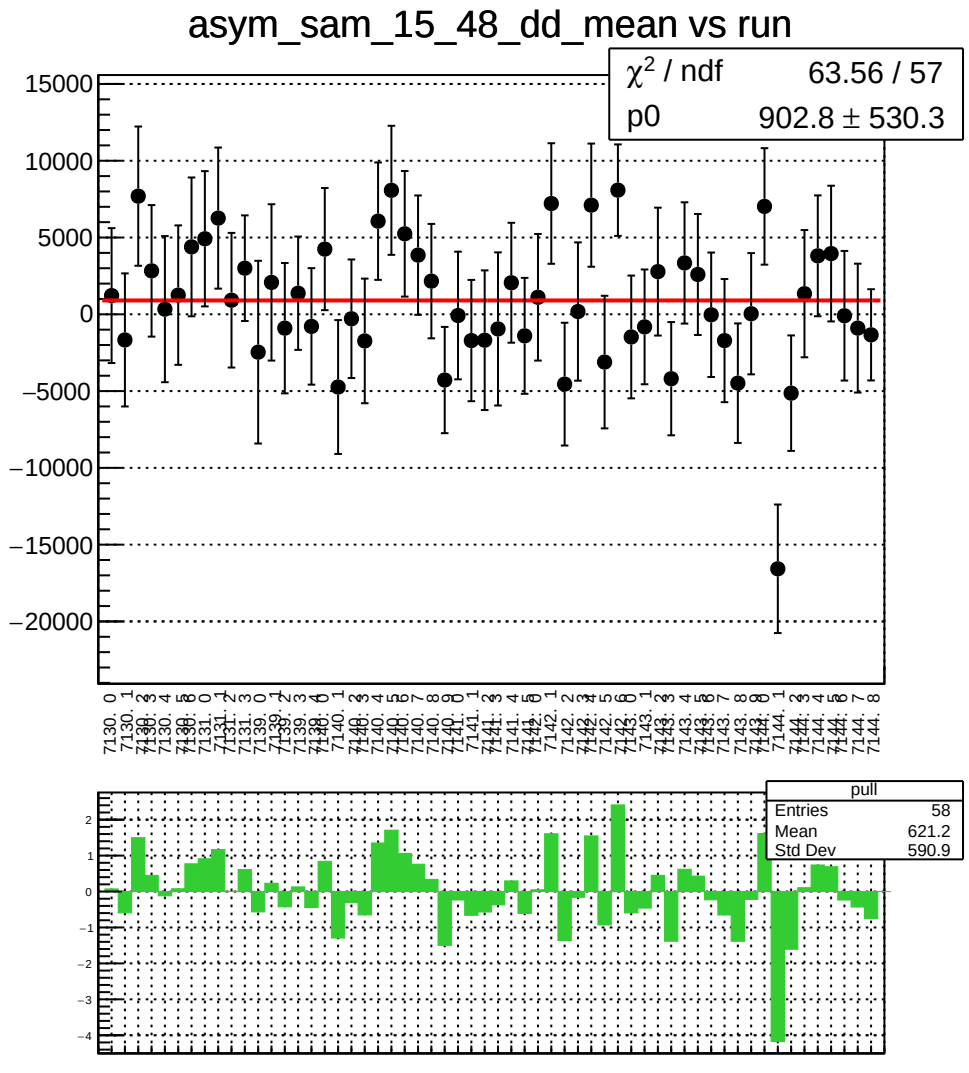

pull1D
Entries 58
Mean 0.08908
Std Dev 1.087

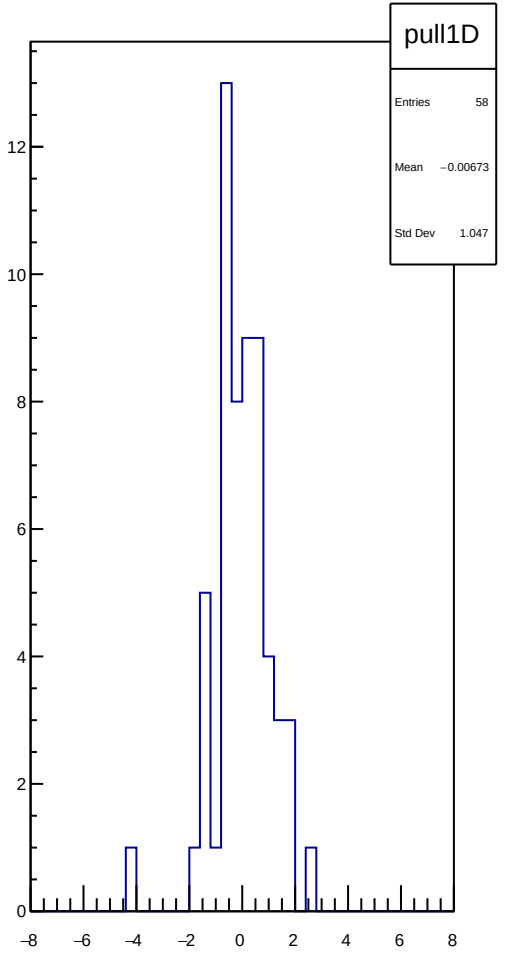

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.031e+05 / 57
p0 64.25 ± 0.0641
140
120
100
80
60
40

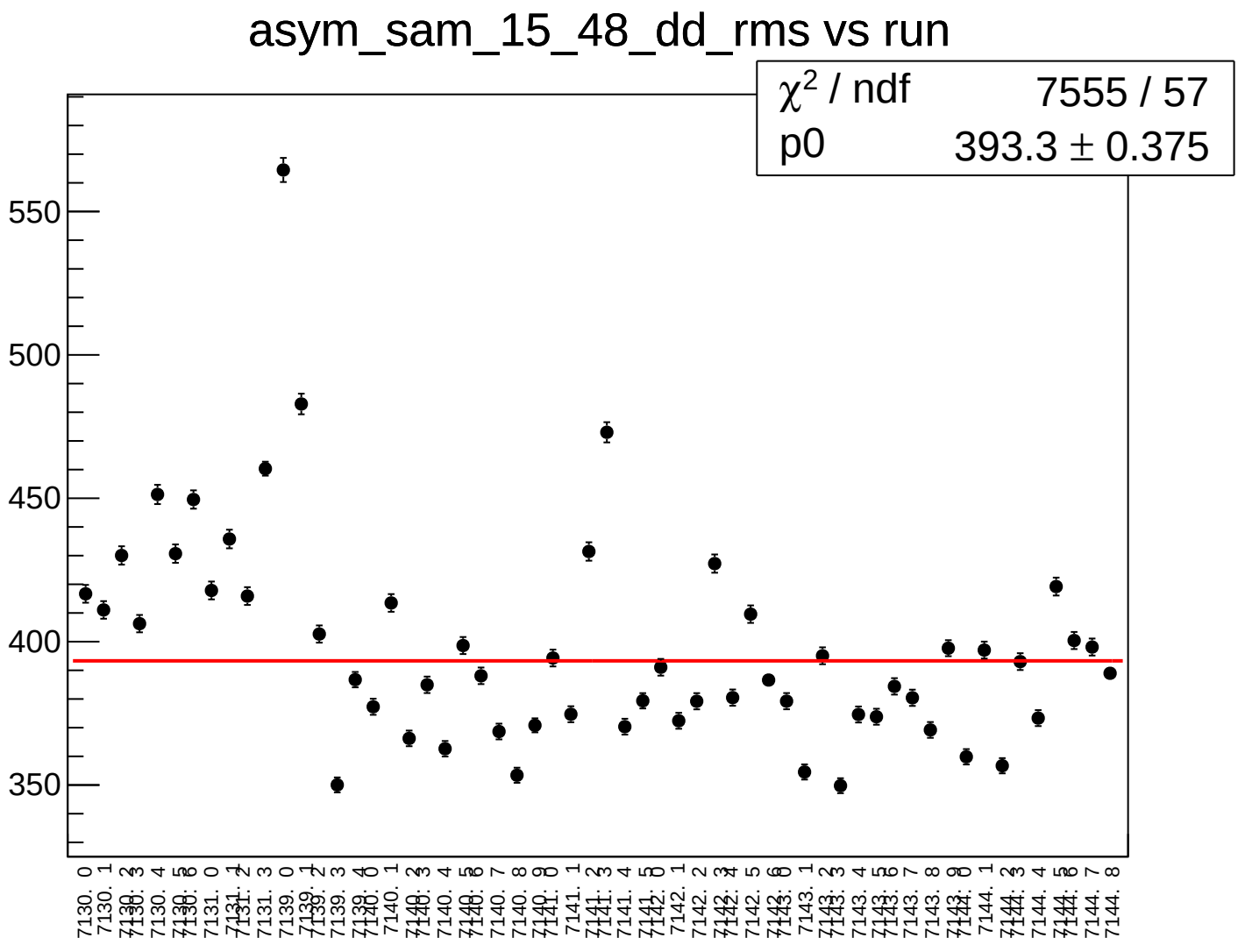

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 62 / 57
p0 −712.3 ± 538.6
pull
Entries 58
Mean 600.2
Std Dev 569.5

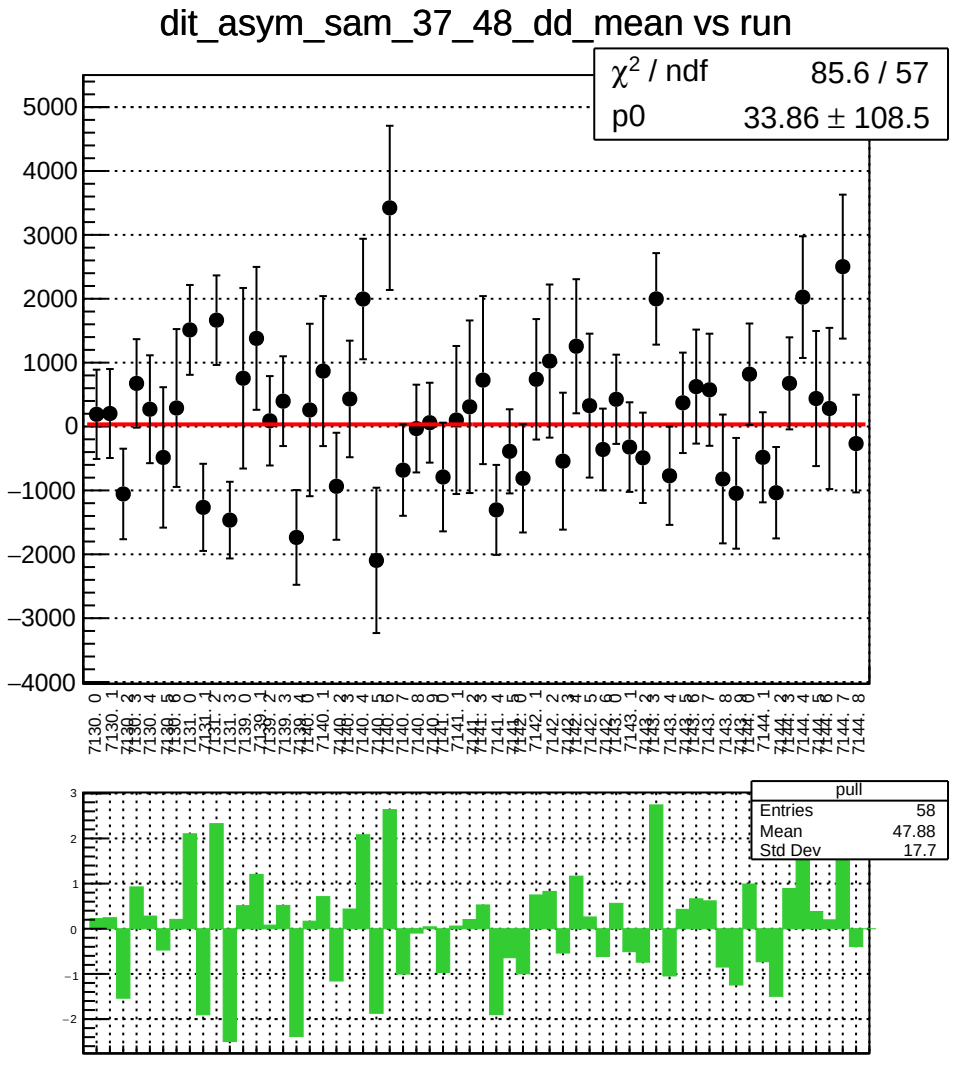

pull1D
Entries 58
Mean 0.007311
Std Dev 1.034

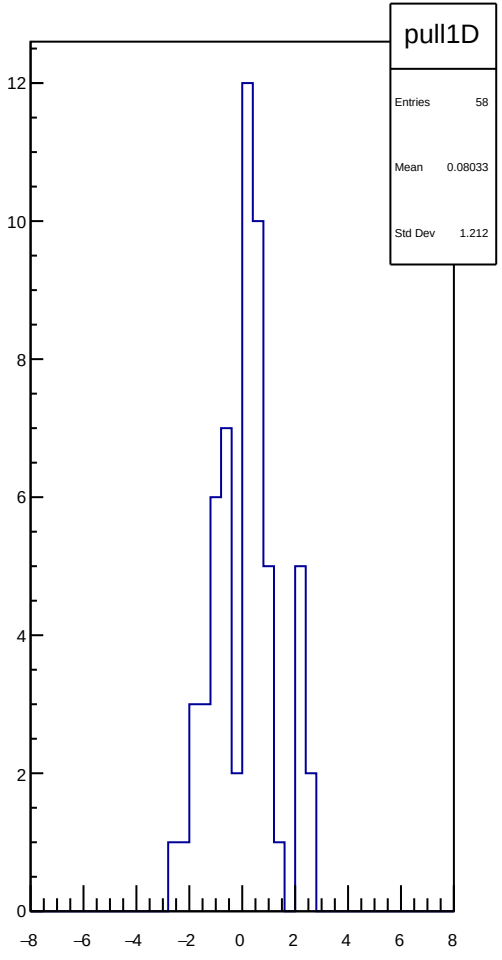

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 4147 / 57
p0 400.1 ± 0.3809
460
440
420
400
380
360

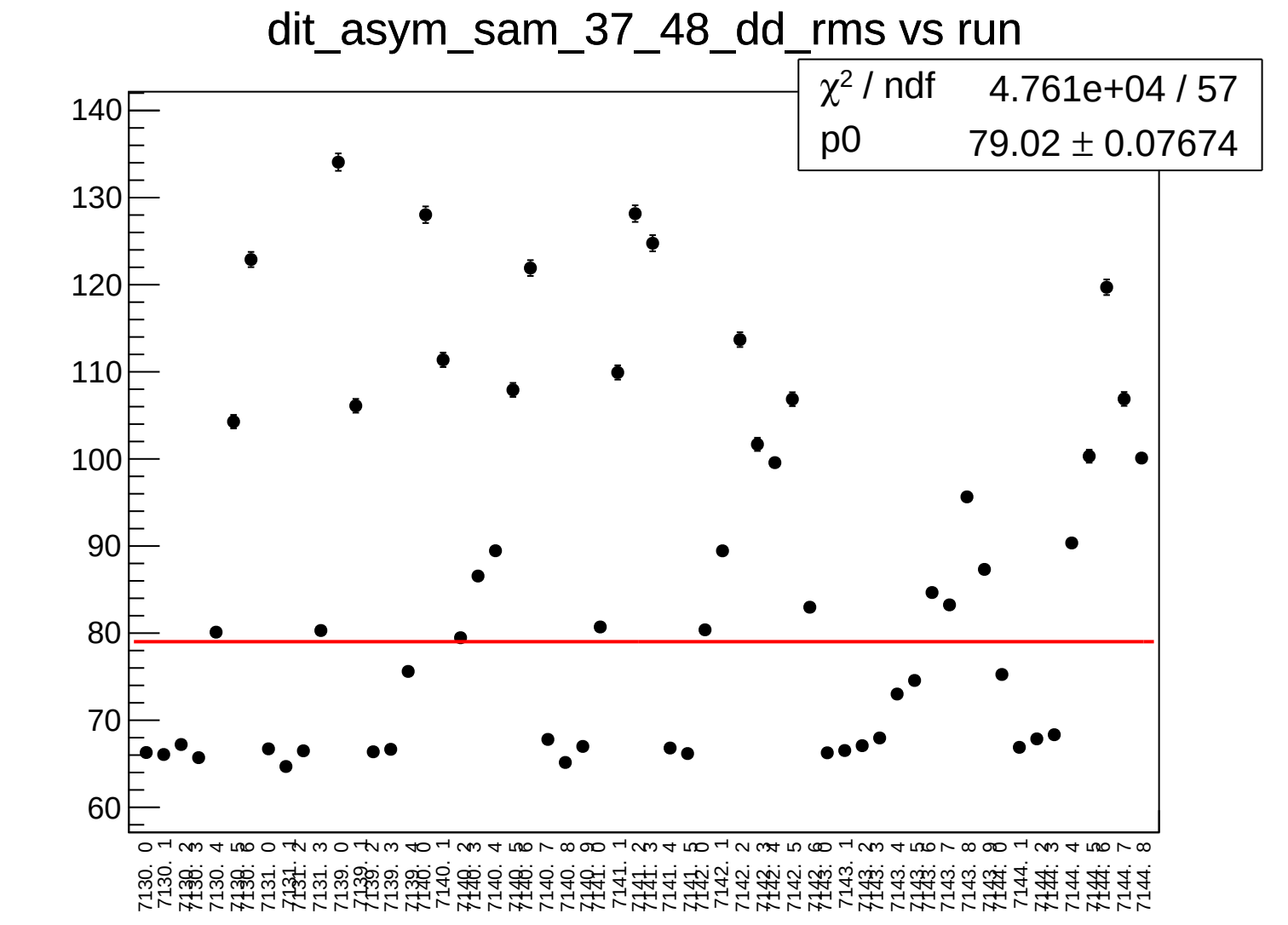

asym_sam_15_48_dd_mean vs run
χ² / ndf 63.56 / 57
p0 902.8 ± 530.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 58
Mean 621.2
Std Dev 590.9
2
1
0
−1
−2
−3
−4

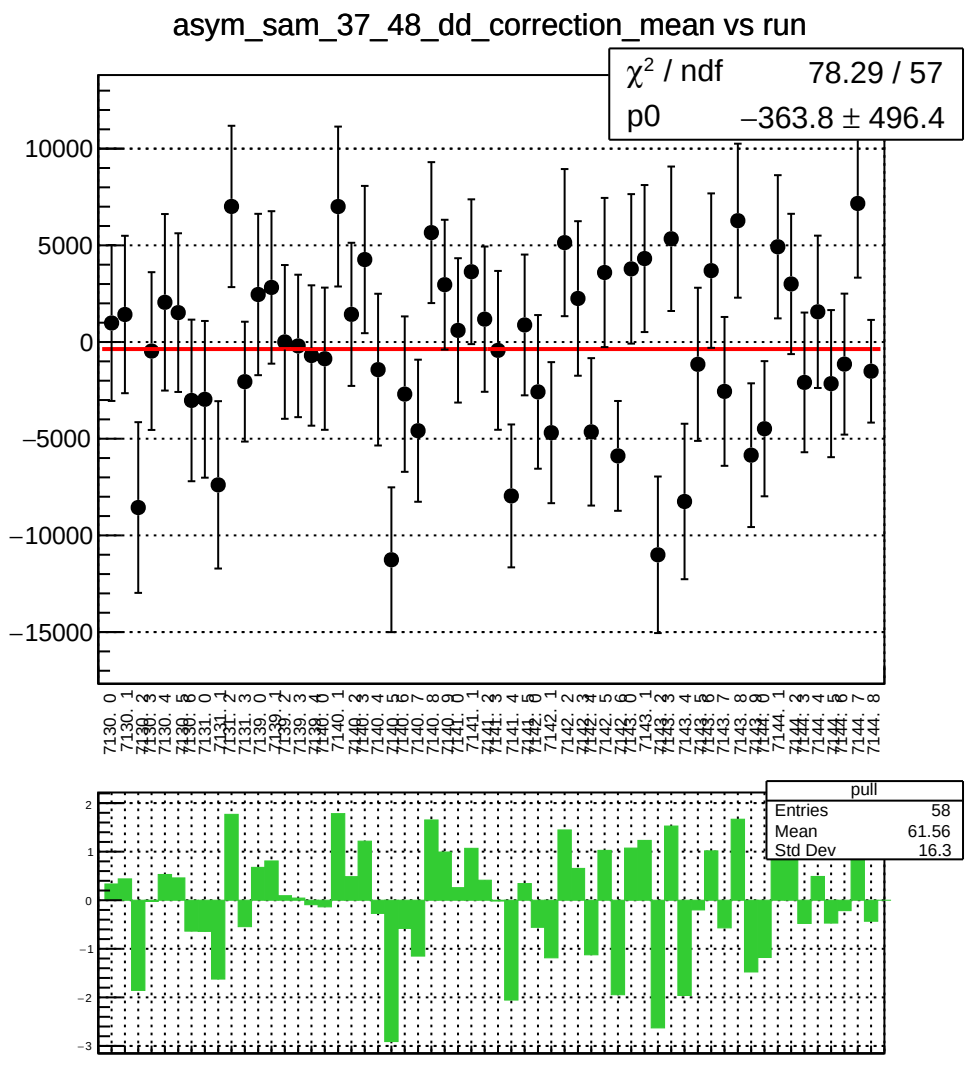

pull1D
Entries 58
Mean −0.00673
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

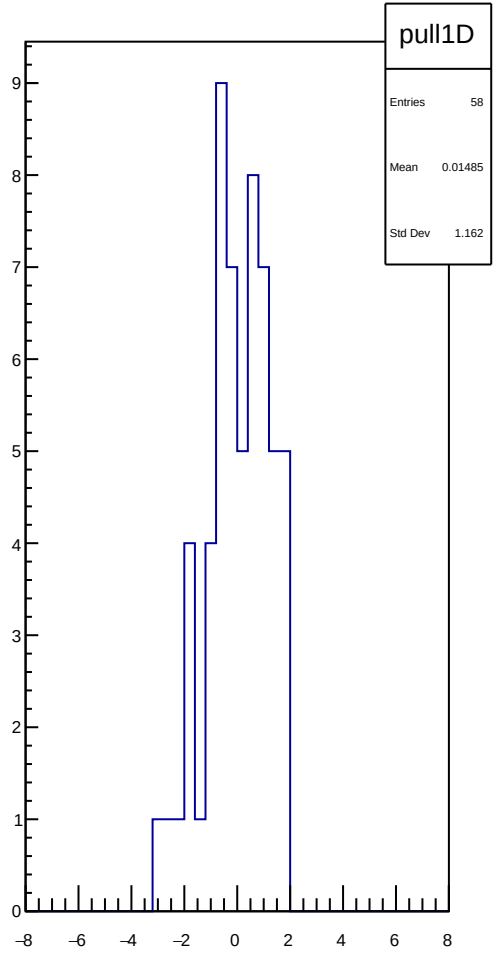

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 7555 / 57
p0 393.3 ± 0.375
550
500
450
400
350

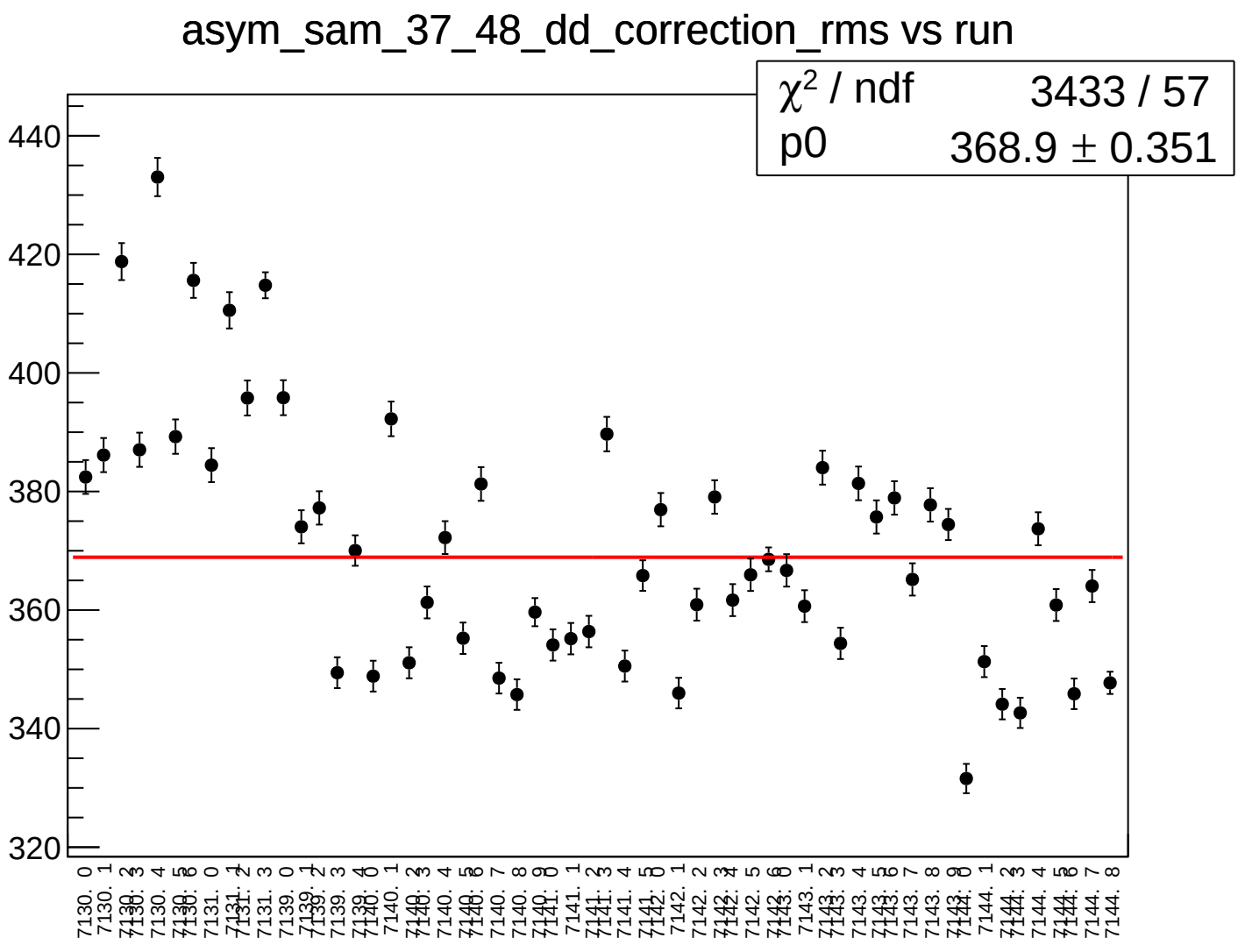

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 85.6 / 57
p0 33.86 ± 108.5
pull
Entries 58
Mean 47.88
Std Dev 17.7

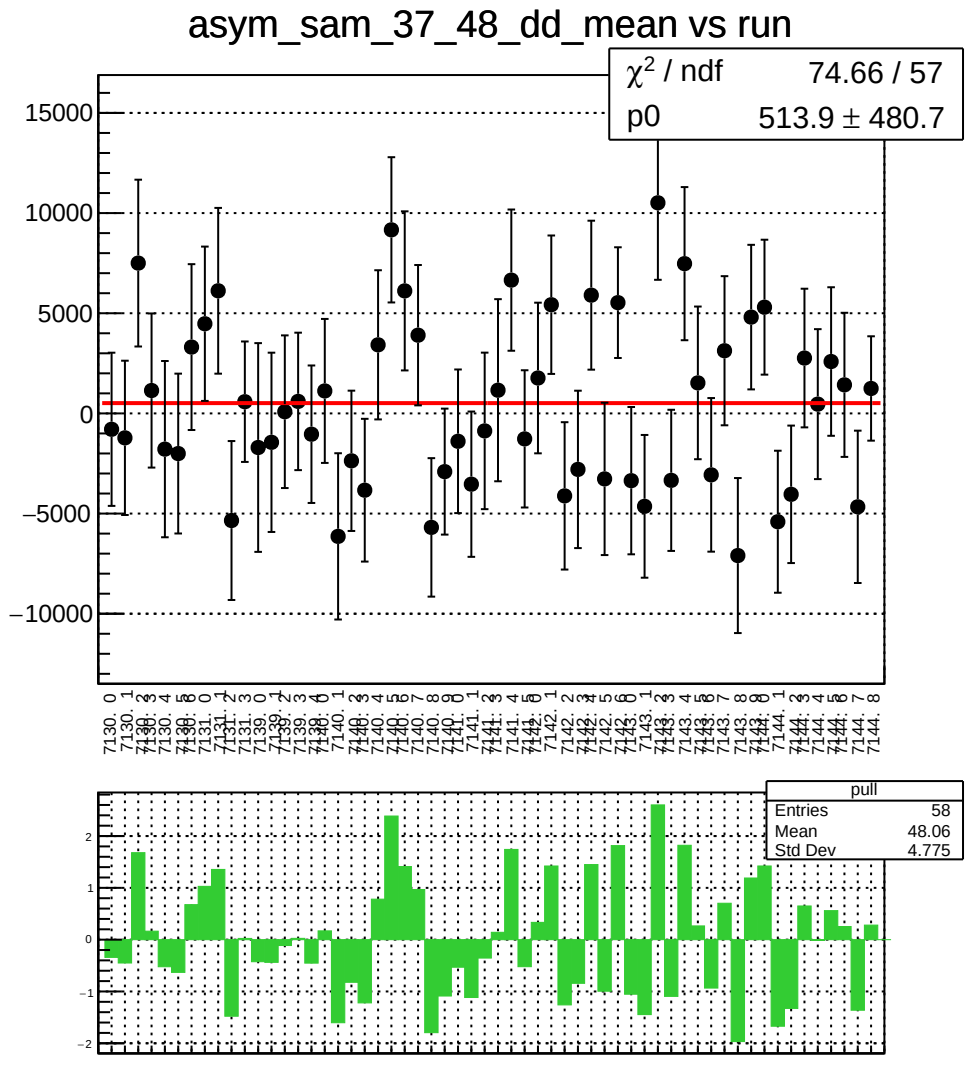

pull1D
Entries 58
Mean 0.08033
Std Dev 1.212

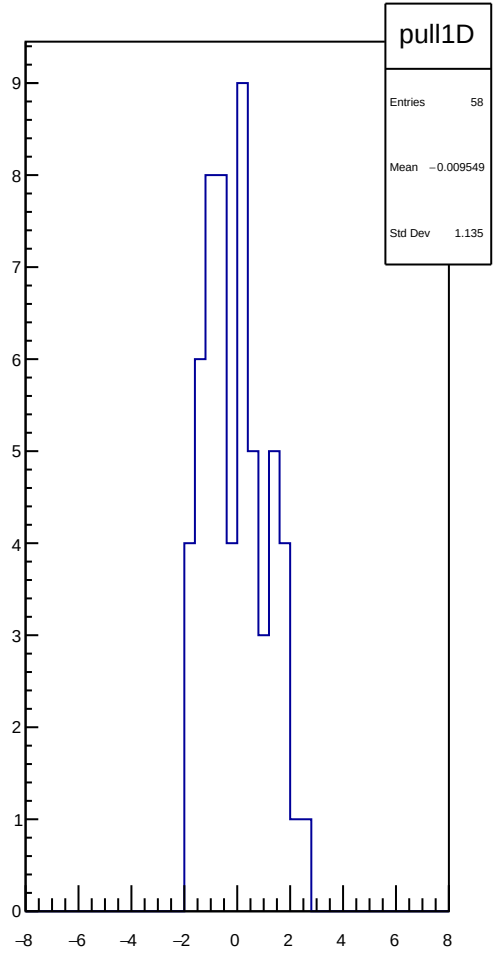

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 4.761e+04 / 57
p0 79.02 ± 0.07674
140
130
120
110
100
90
80
70
60

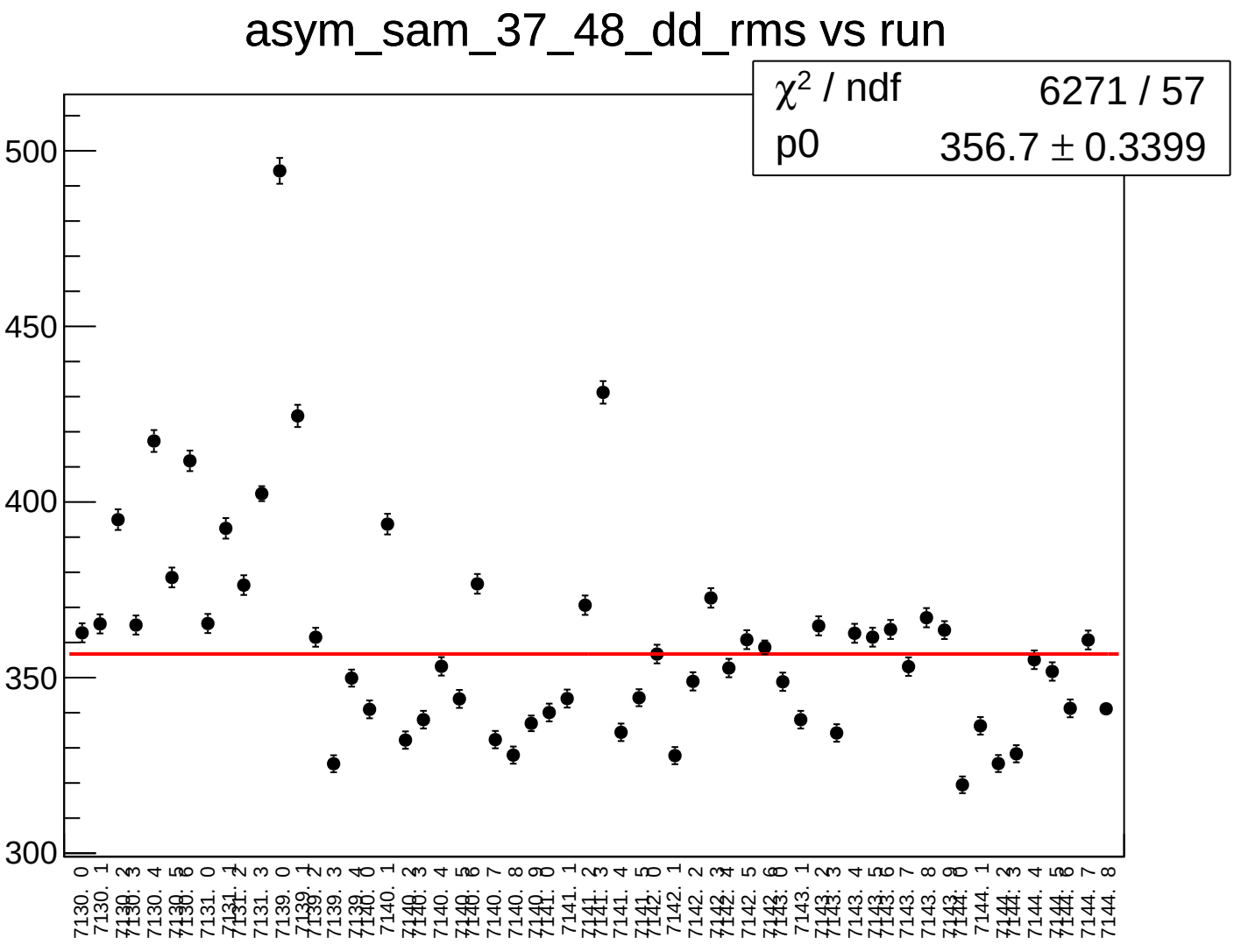

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 78.29 / 57
p0 −363.8 ± 496.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 61.56
Std Dev 16.3
2
1
0
−1
−2
−3

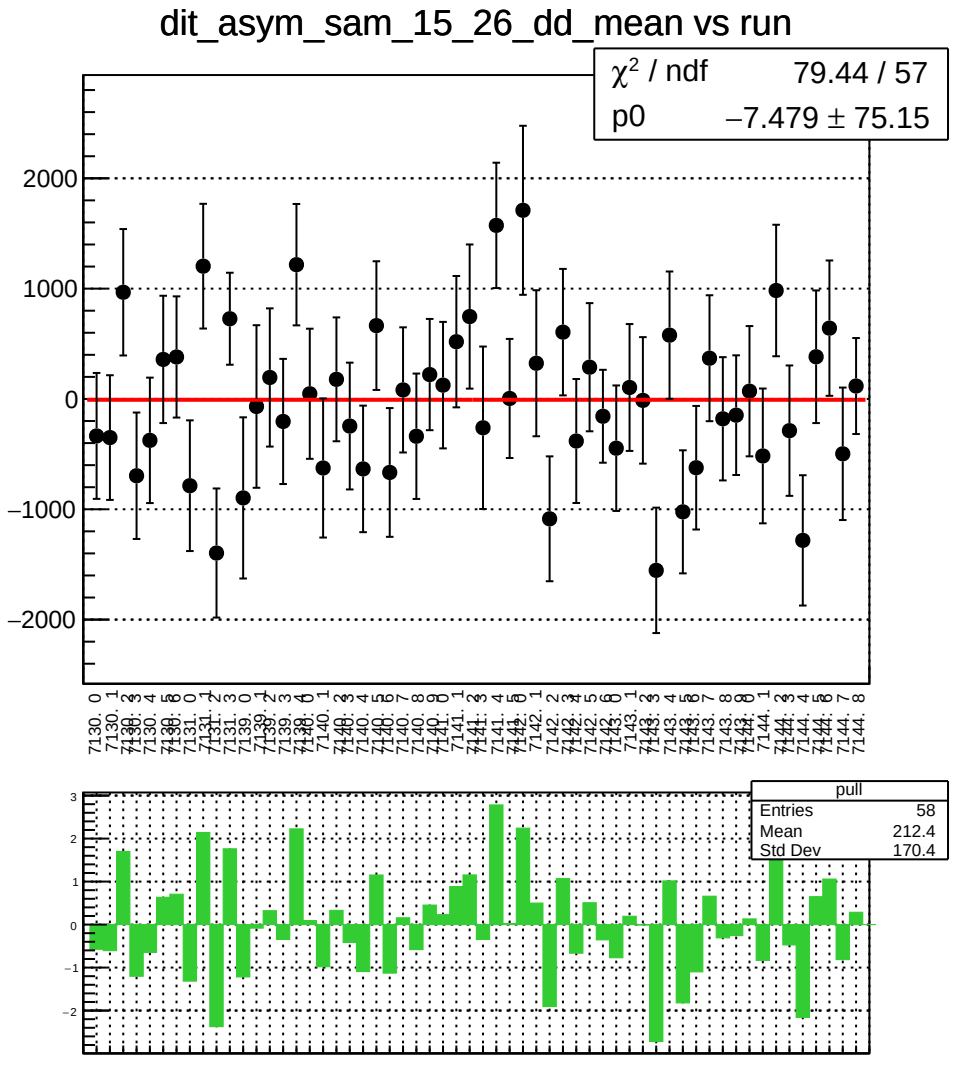

pull1D
Entries 58
Mean 0.01485
Std Dev 1.162
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

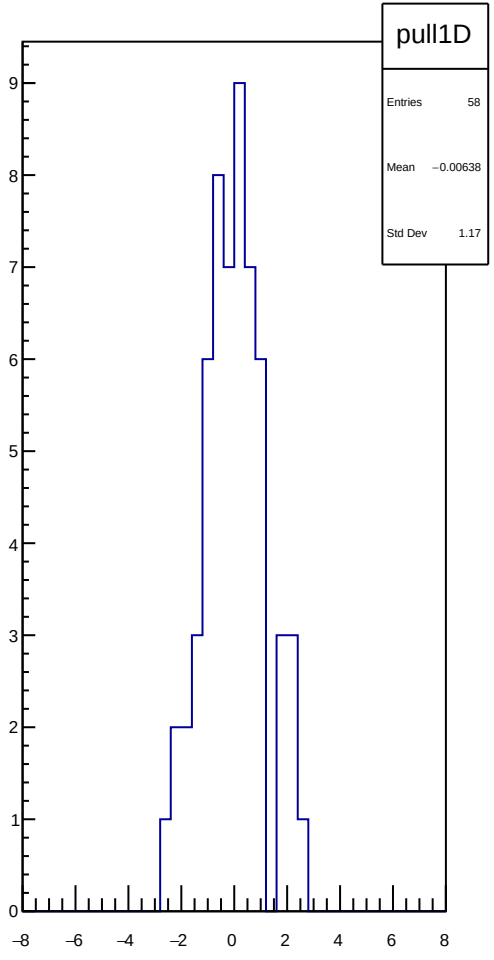

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3433 / 57
p0 368.9 ± 0.351
440
420
400
380
360
340
320

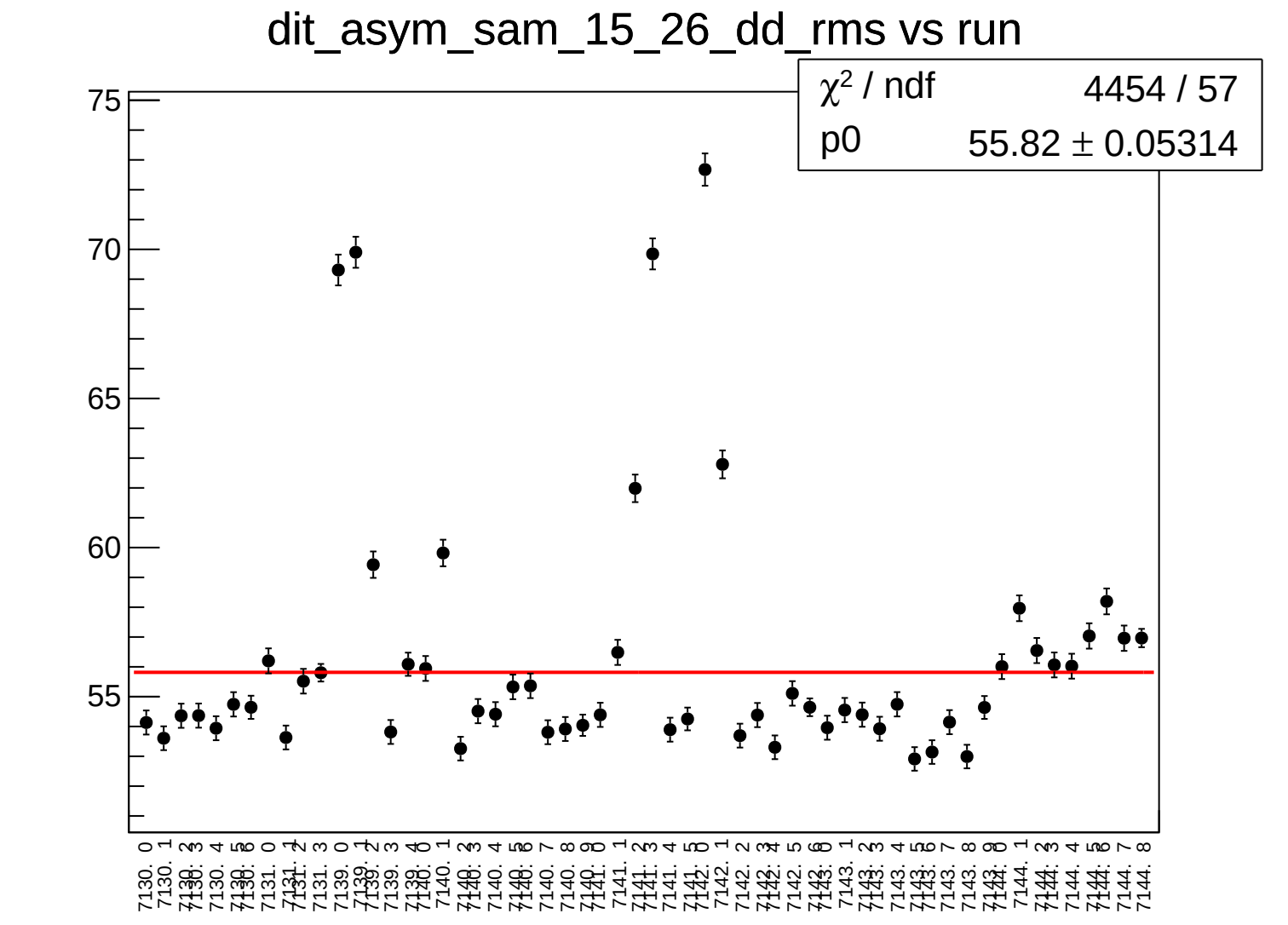

asym_sam_37_48_dd_mean vs run
χ² / ndf 74.66 / 57
p0 513.9 ± 480.7
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 48.06
Std Dev 4.775
2
1
0
−1
−2

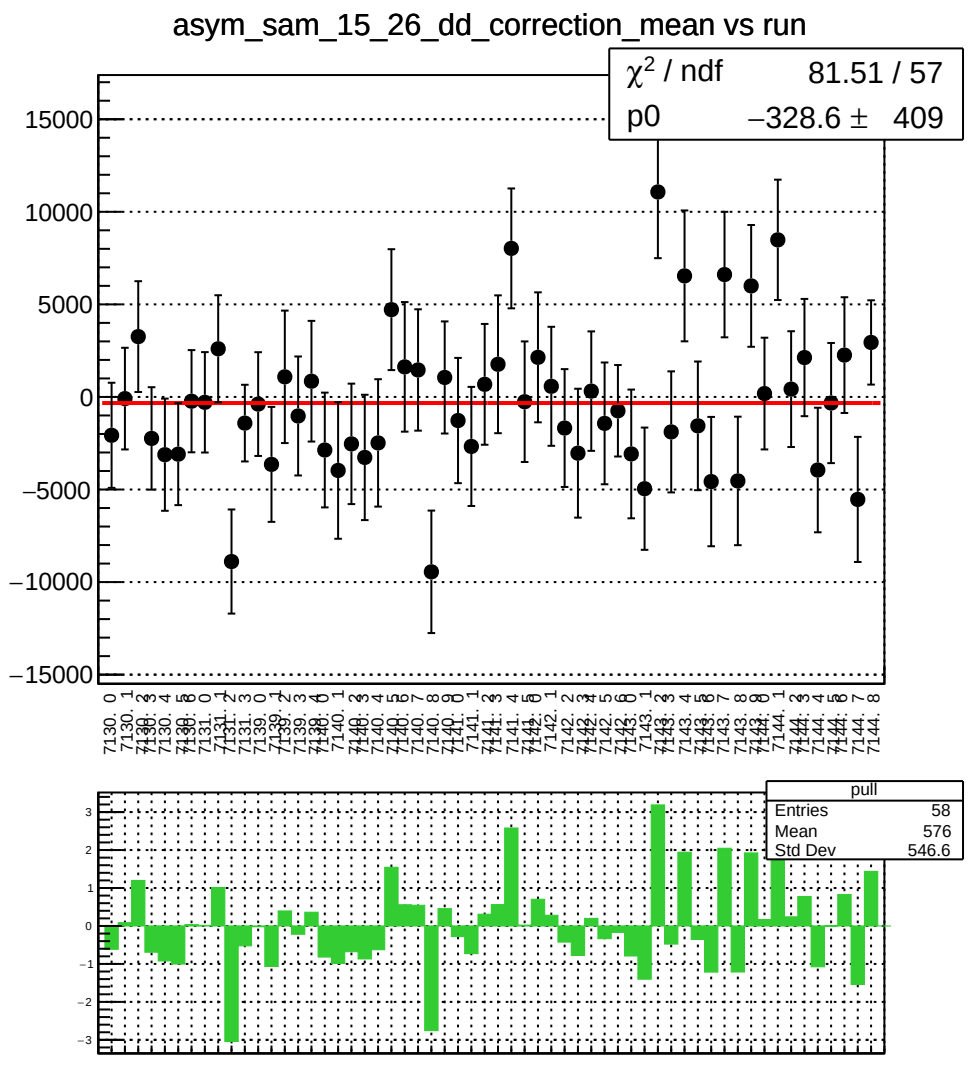

pull1D
Entries 58
Mean −0.009549
Std Dev 1.135
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

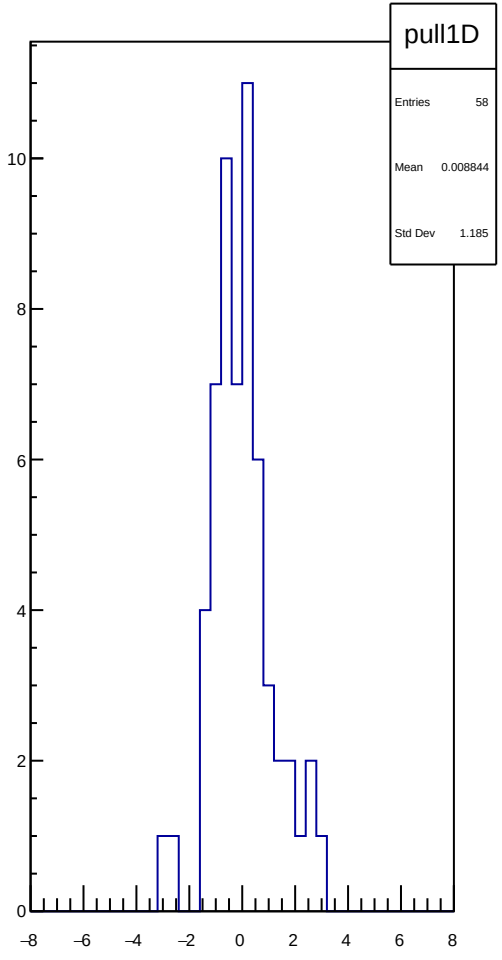

asym_sam_37_48_dd_rms vs run
χ² / ndf 6271 / 57
p0 356.7 ± 0.3399
500
450
400
350
300

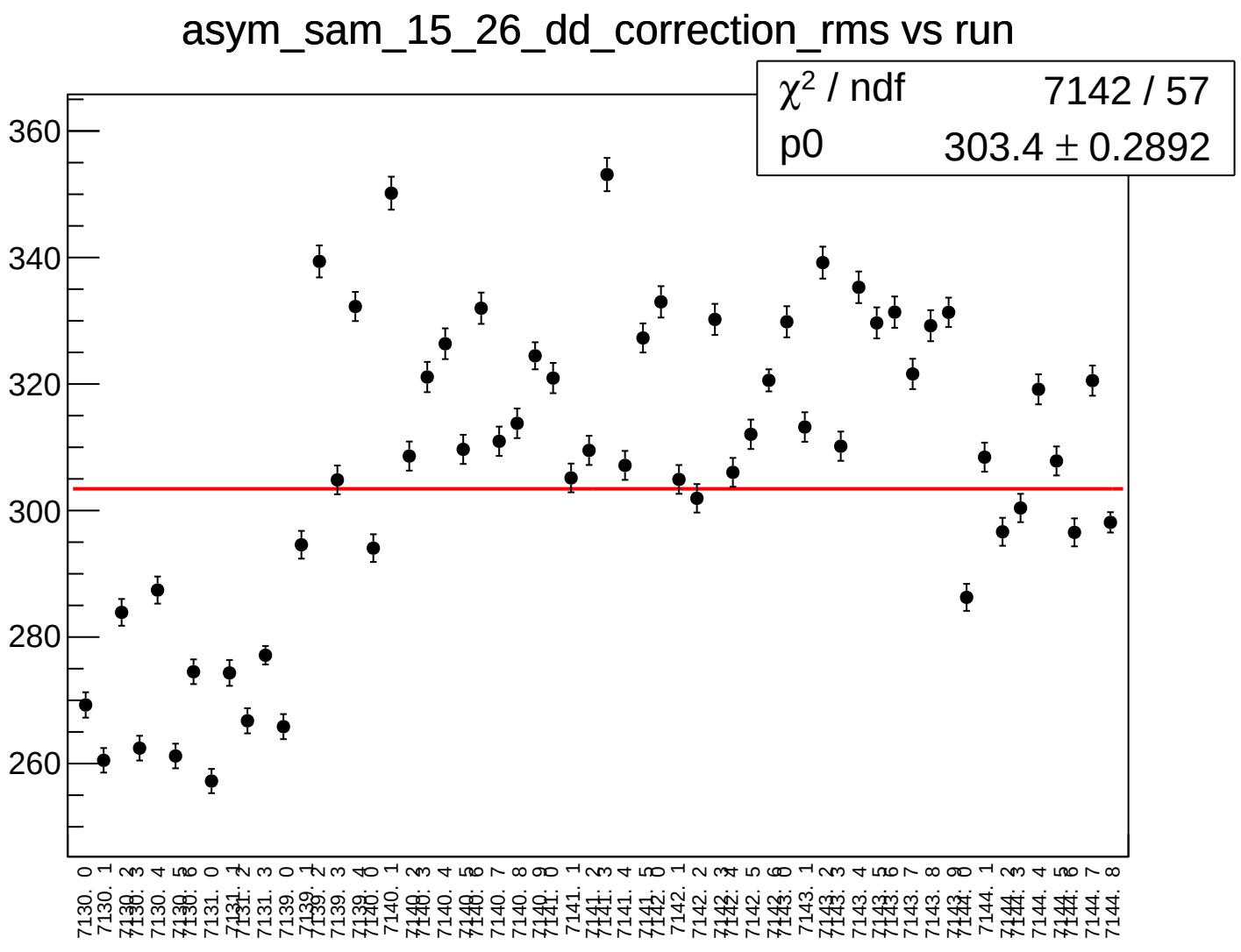

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 79.44 / 57
p0 −7.479 ± 75.15
2000
1000
0
−1000
−2000
pull
Entries 58
Mean 212.4
Std Dev 170.4
3
2
1
0
−1
−2

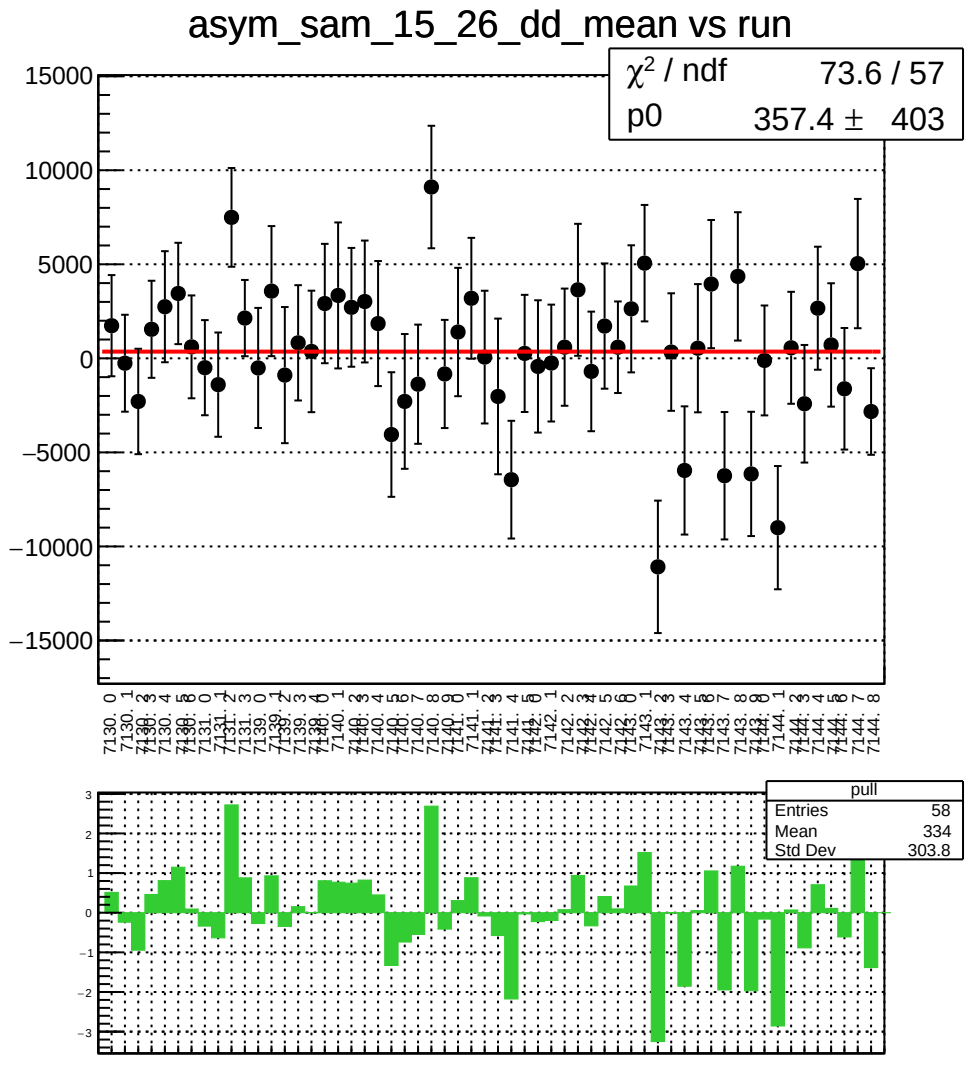

pull1D
Entries 58
Mean −0.00638
Std Dev 1.17
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

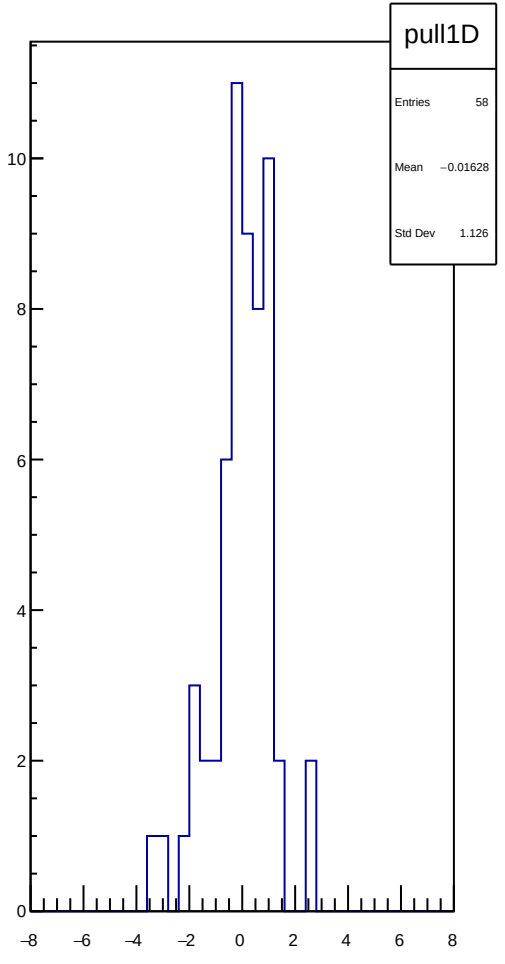

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4454 / 57
p0 55.82 ± 0.05314
75
70
65
60
55

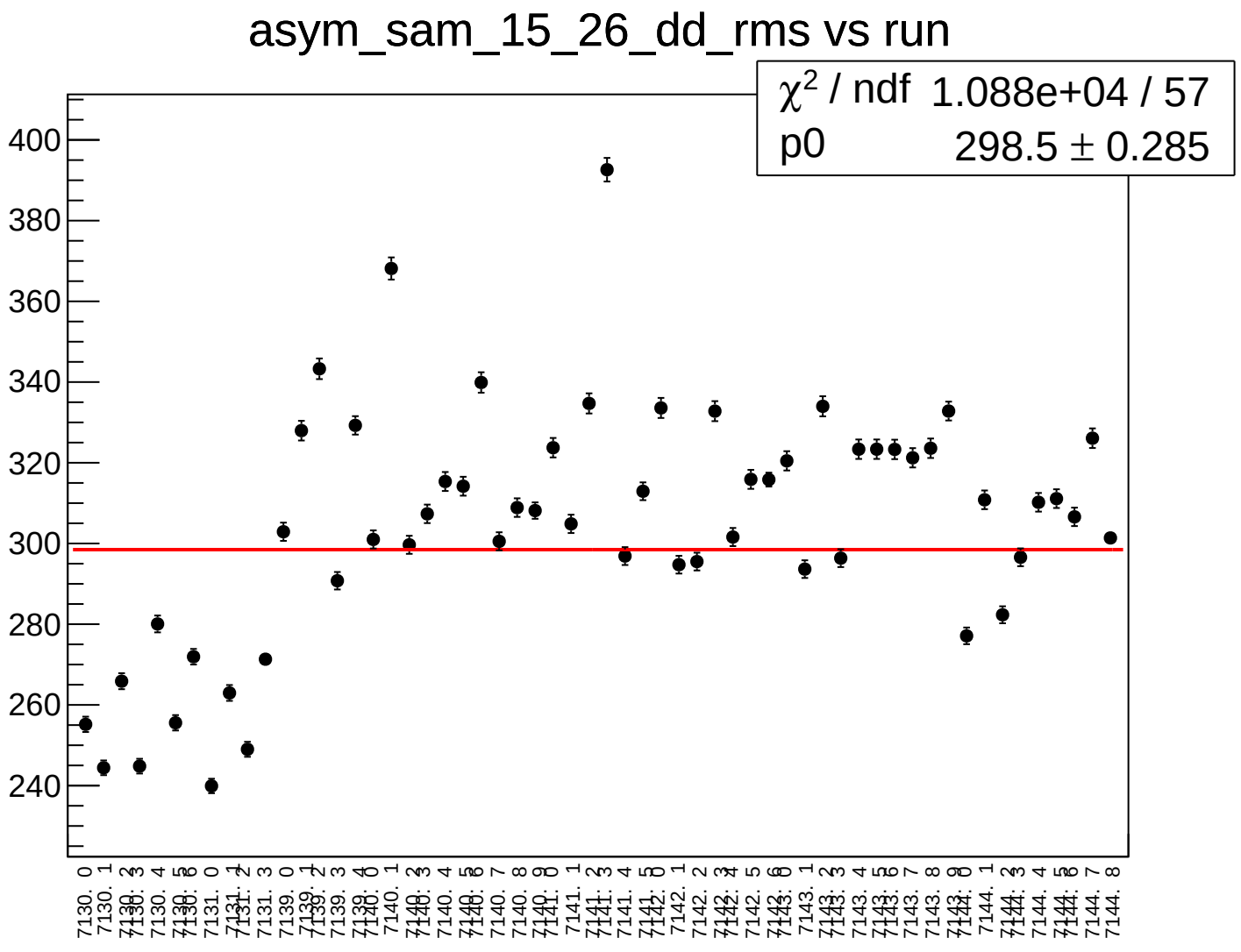

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 81.51 / 57
p0 −328.6 ± 409
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 576
Std Dev 546.6
3
2
1
0
−1
−2
−3

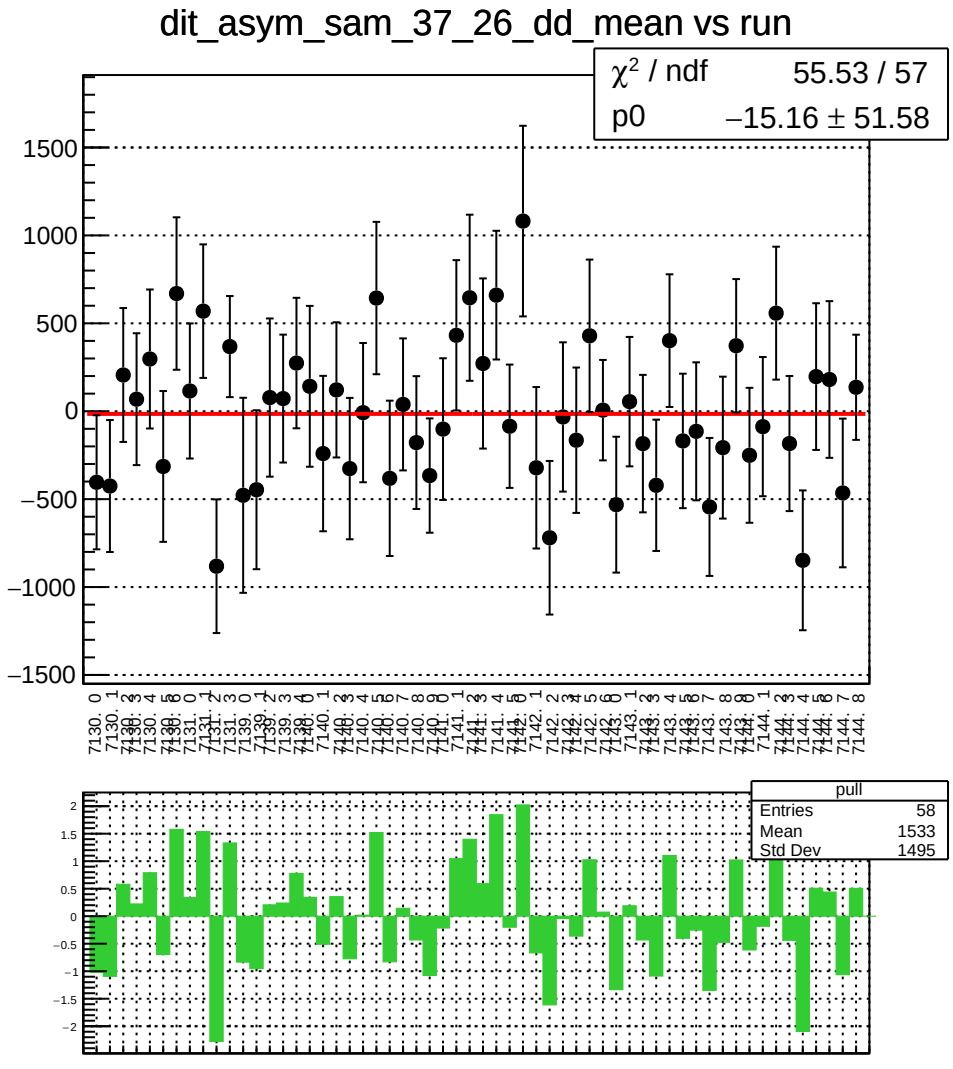

pull1D
Entries 58
Mean 0.008844
Std Dev 1.185
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

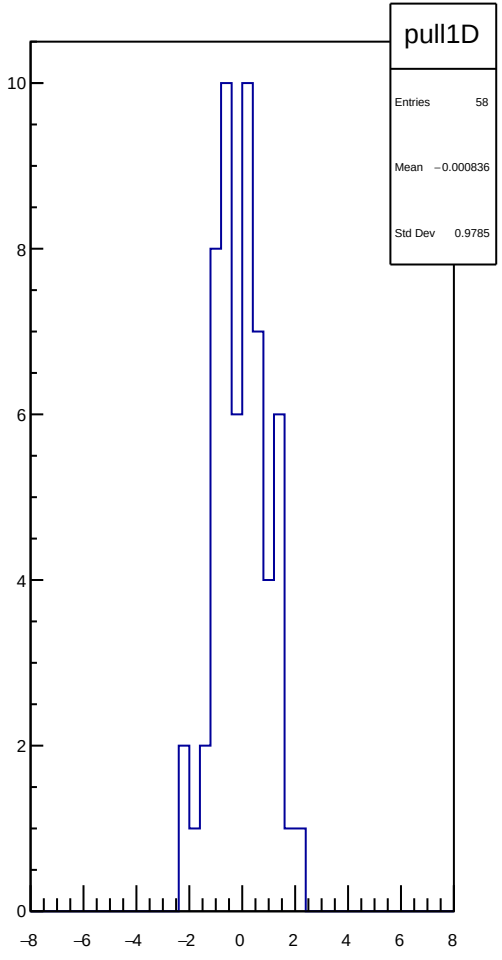

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 7142 / 57
p0 303.4 ± 0.2892
360
340
320
300
280
260

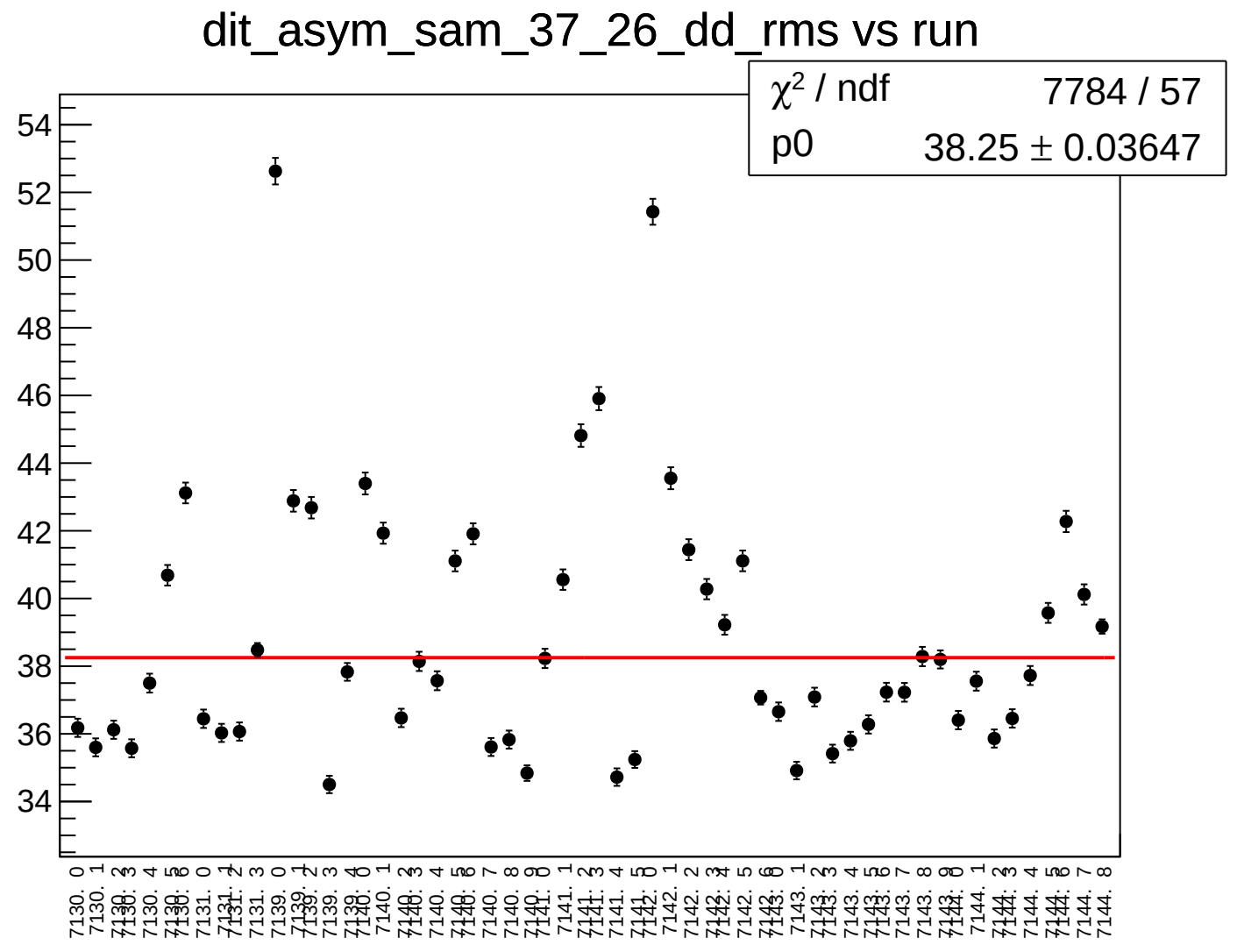

asym_sam_15_26_dd_mean vs run
χ² / ndf 73.6 / 57
p0 357.4 ± 403
pull
Entries 58
Mean 334
Std Dev 303.8

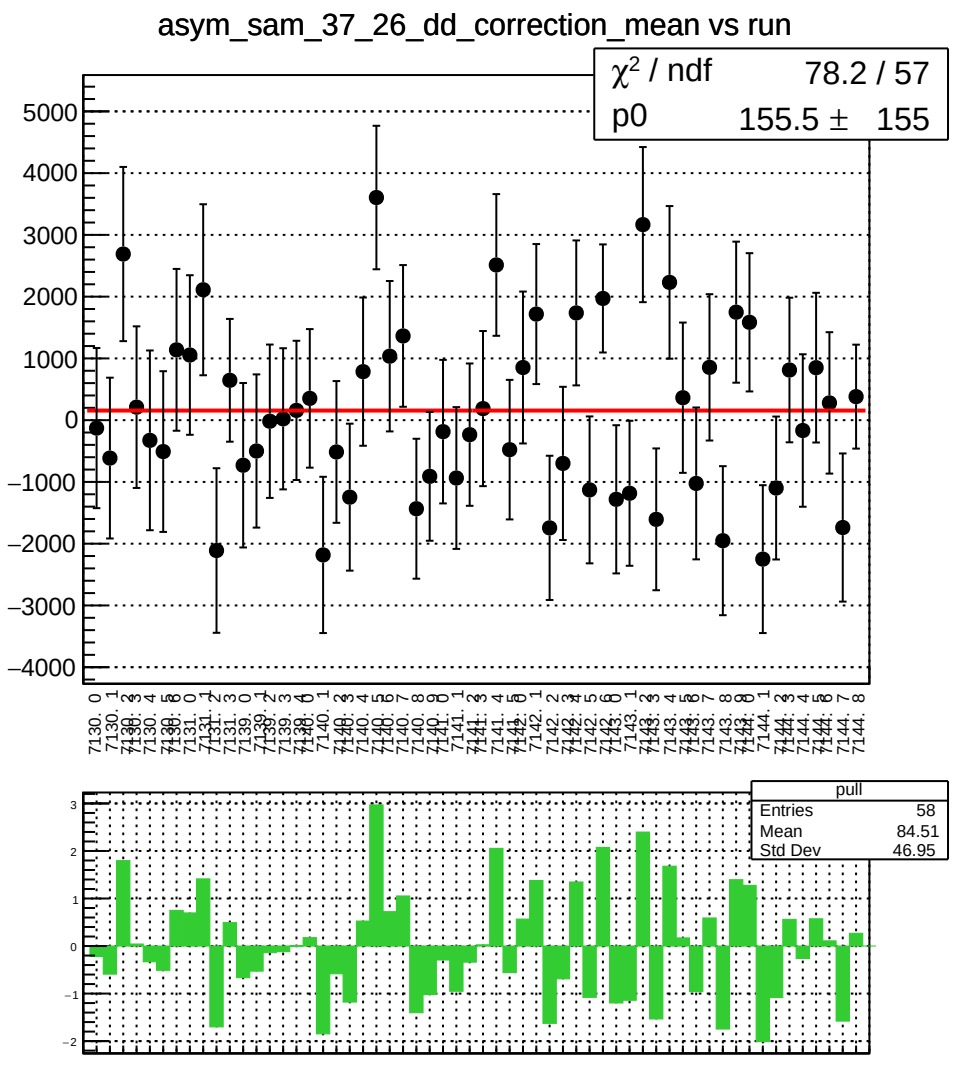

pull1D
Entries 58
Mean −0.01628
Std Dev 1.126

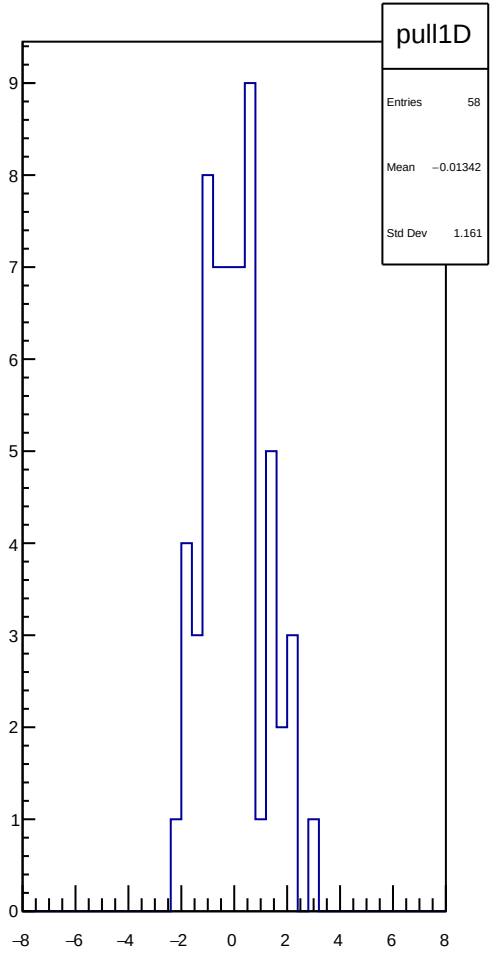

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.088e+04 / 57
p0 298.5 ± 0.285
400
380
360
340
320
300
280
260
240

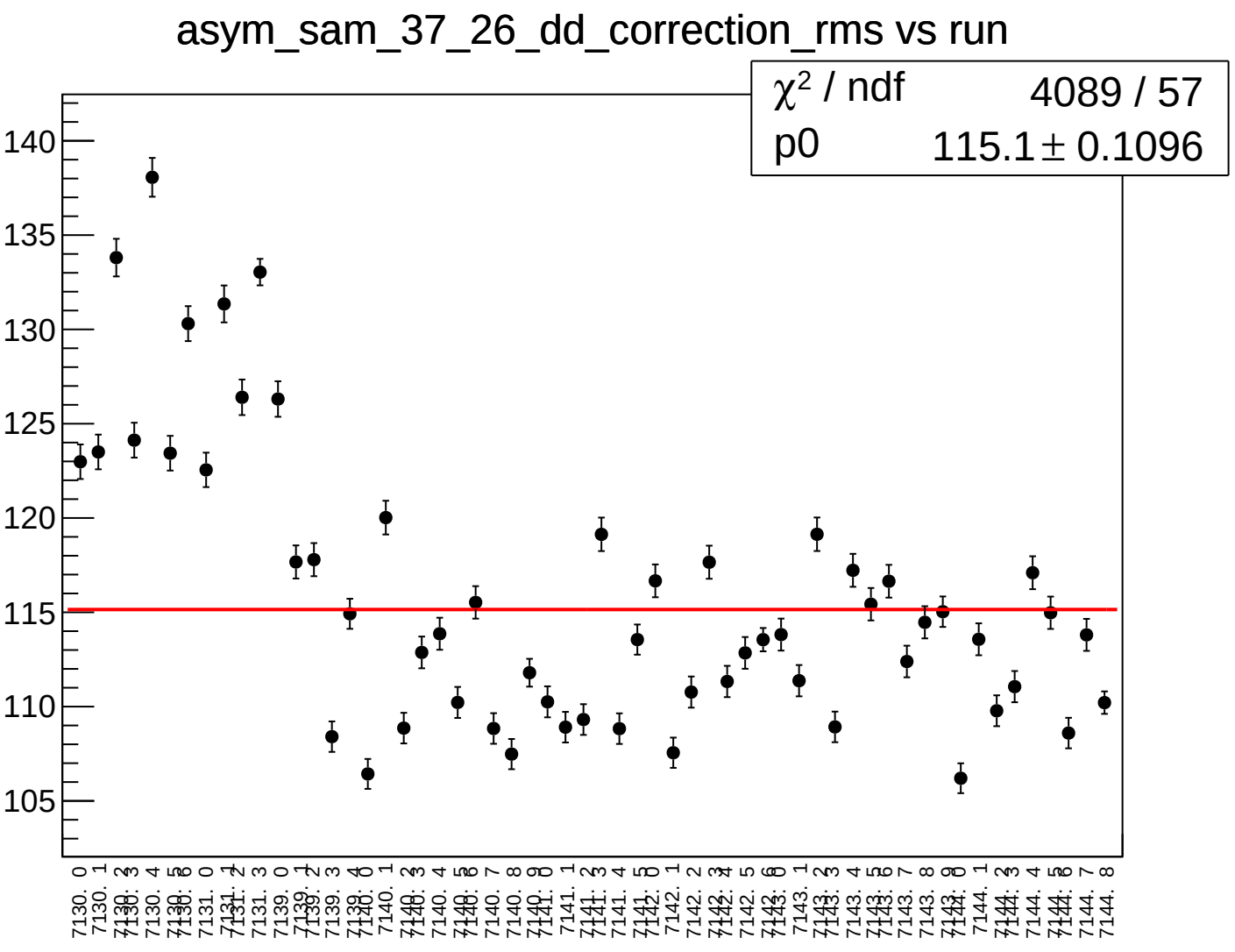

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.53 / 57
p0 −15.16 ± 51.58
pull
Entries 58
Mean 1533
Std Dev 1495

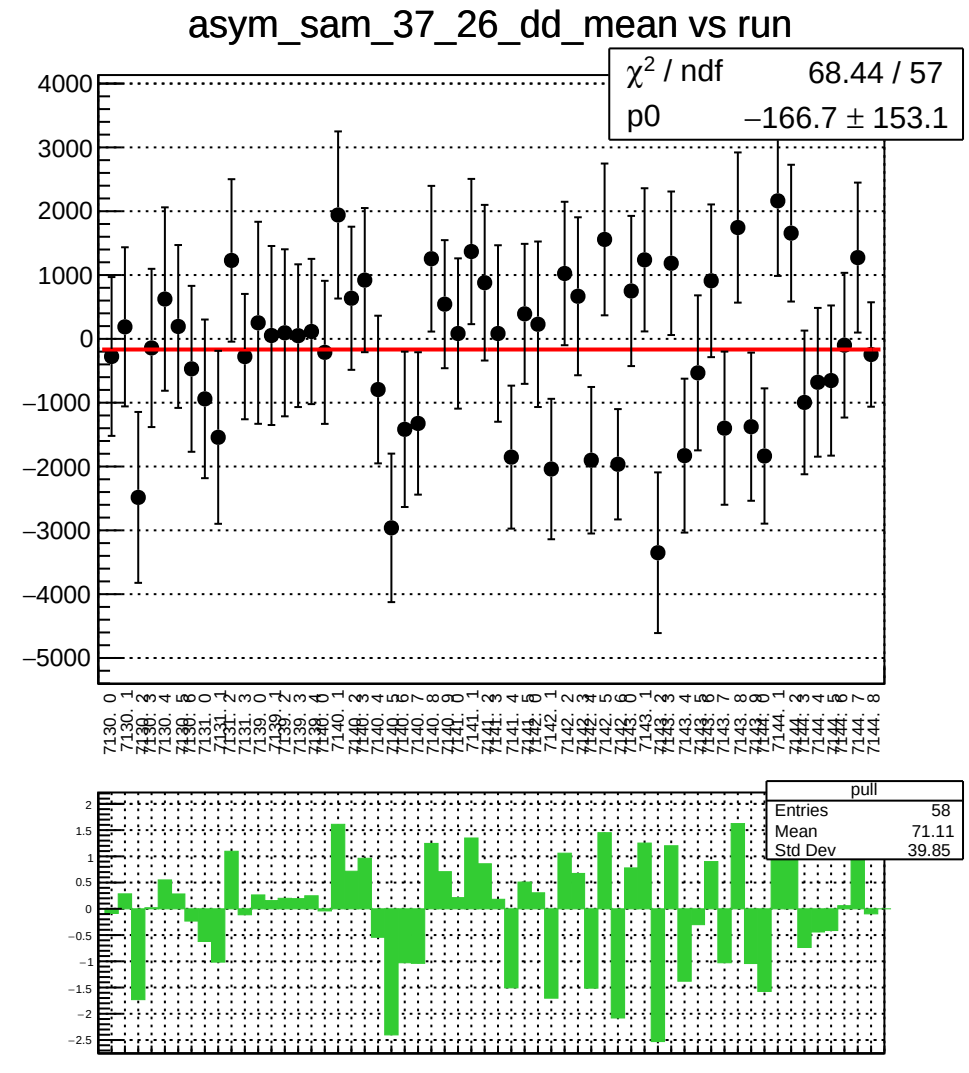

pull1D
Entries 58
Mean −0.000836
Std Dev 0.9785

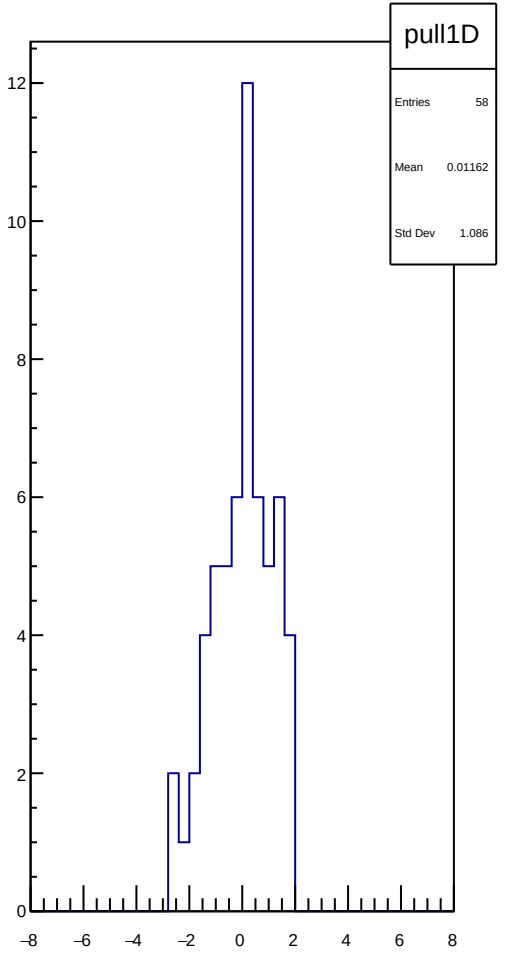

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 7784 / 57
p0 38.25 ± 0.03647
54
52
50
48
46
44
42
40
38
36
34
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 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

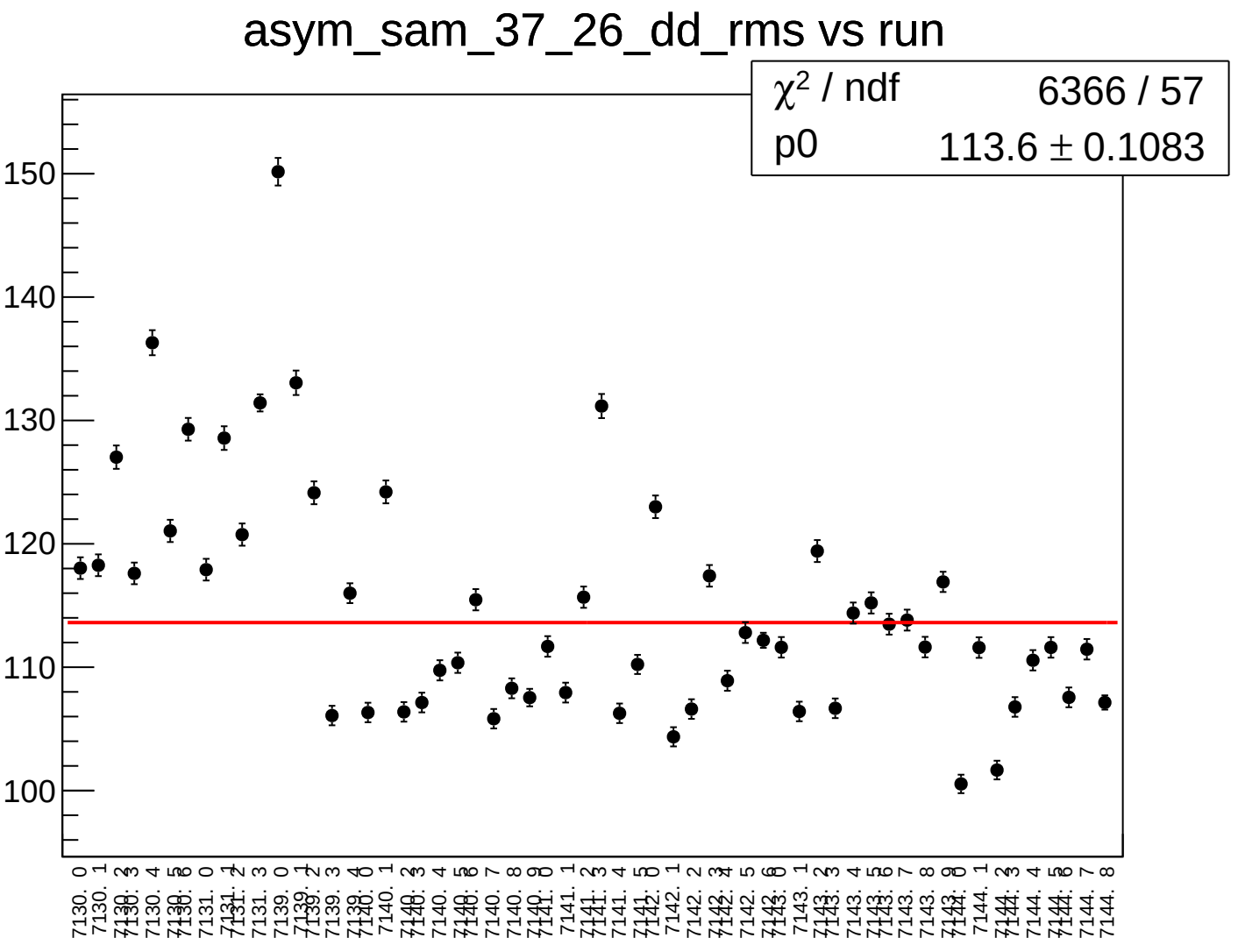

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 78.2 / 57
p0 155.5 ± 155
pull
Entries 58
Mean 84.51
Std Dev 46.95

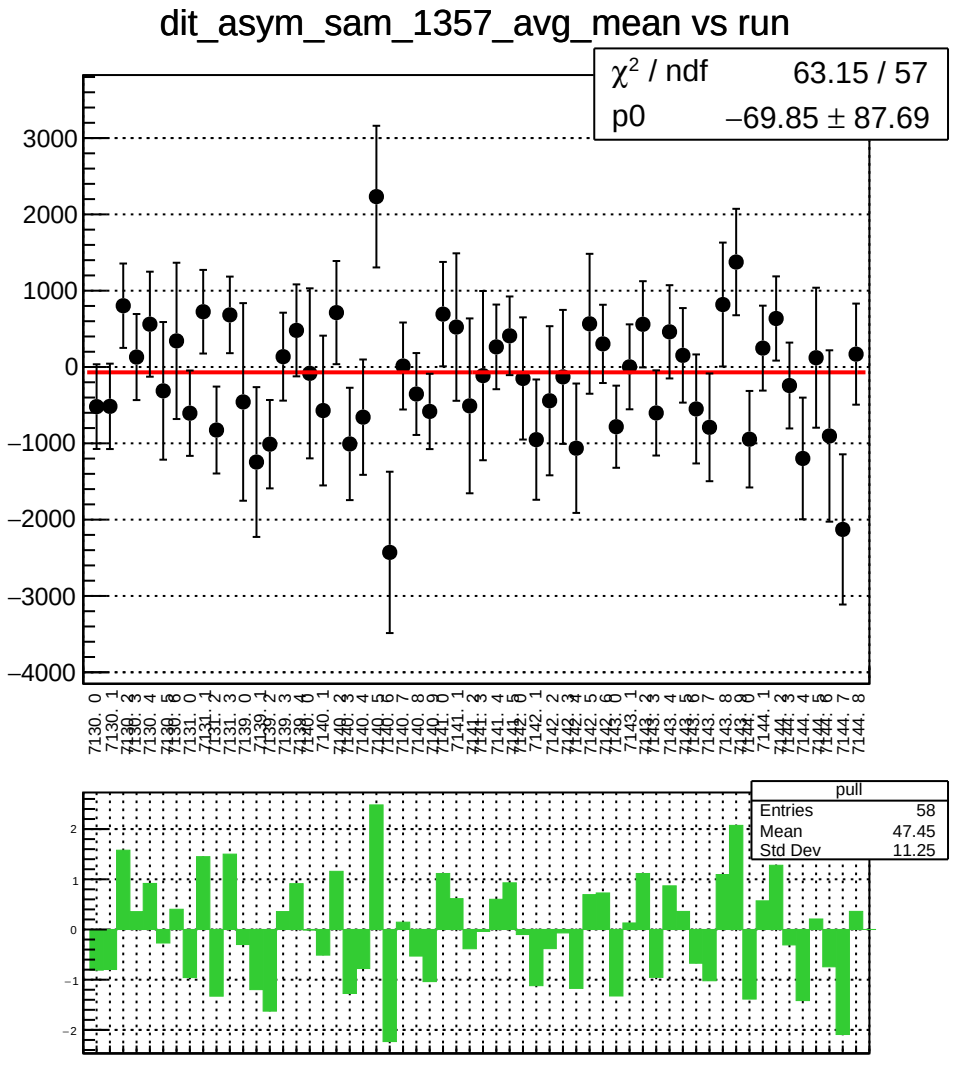

pull1D
Entries 58
Mean −0.01342
Std Dev 1.161

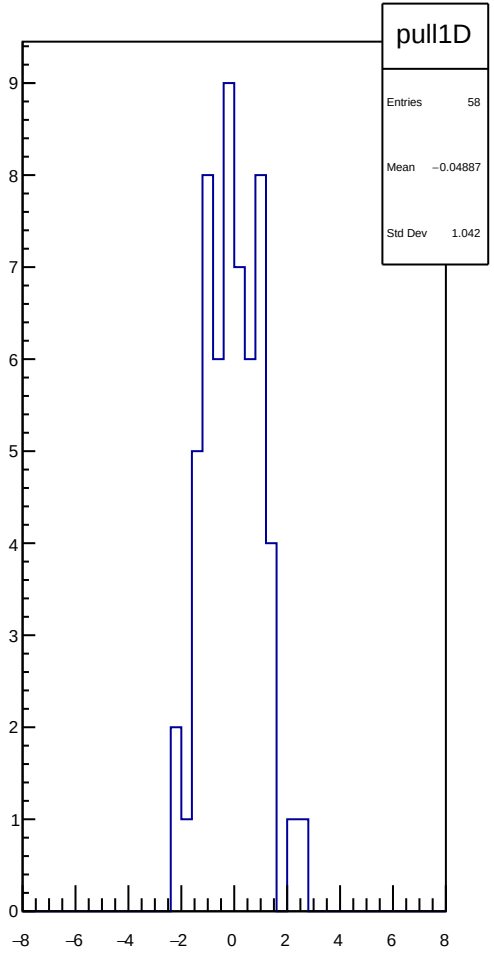

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 4089 / 57
p0 115.1 ± 0.1096
140
135
130
125
120
115
110
105

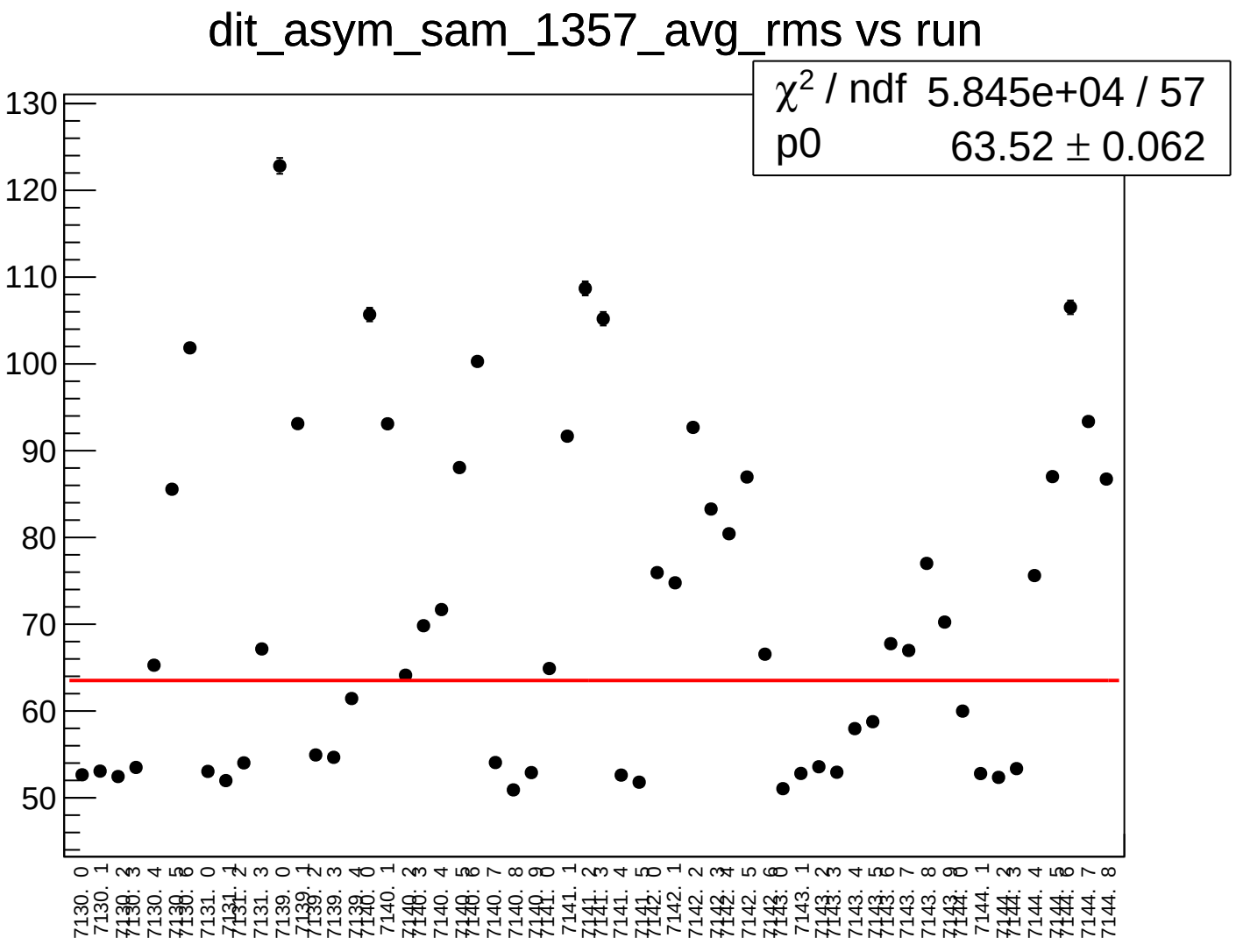

asym_sam_37_26_dd_mean vs run
χ² / ndf 68.44 / 57
p0 −166.7 ± 153.1
pull
Entries 58
Mean 71.11
Std Dev 39.85

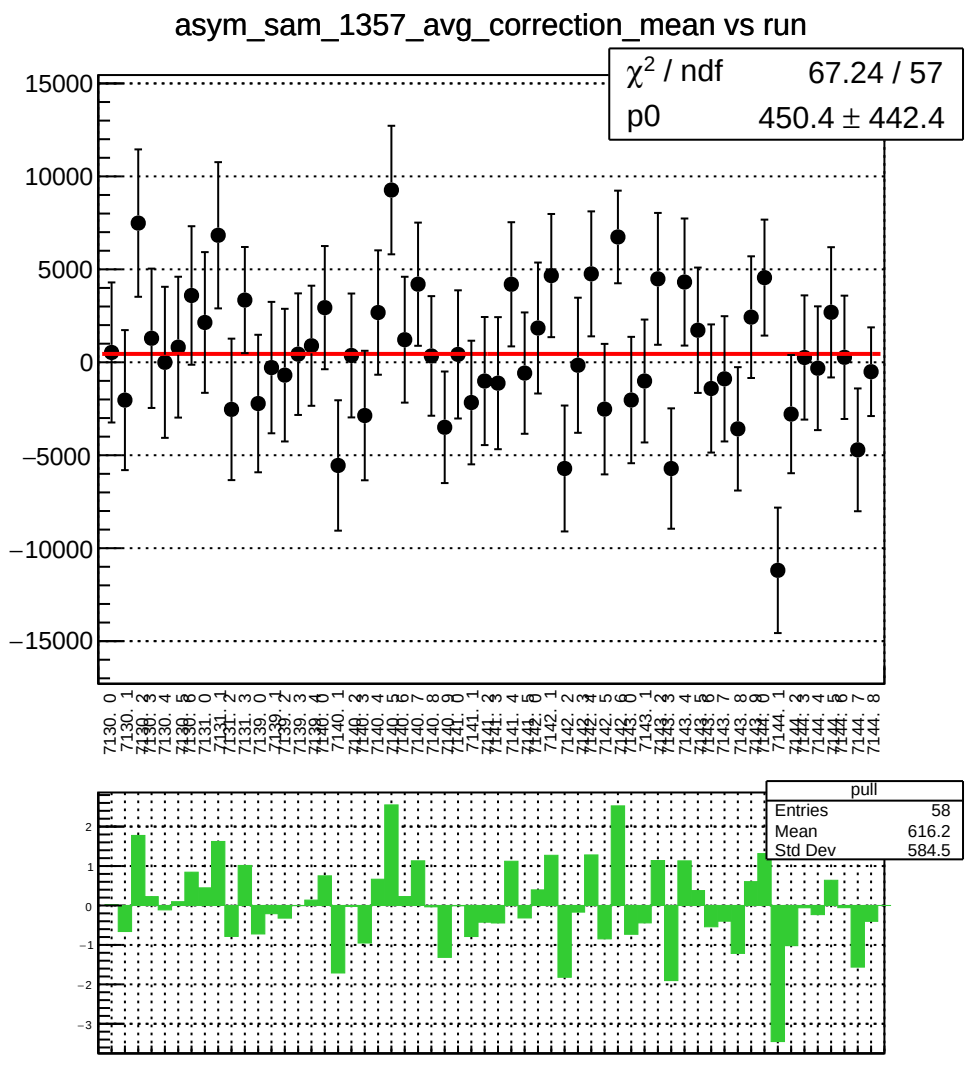

pull1D
Entries 58
Mean 0.01162
Std Dev 1.086

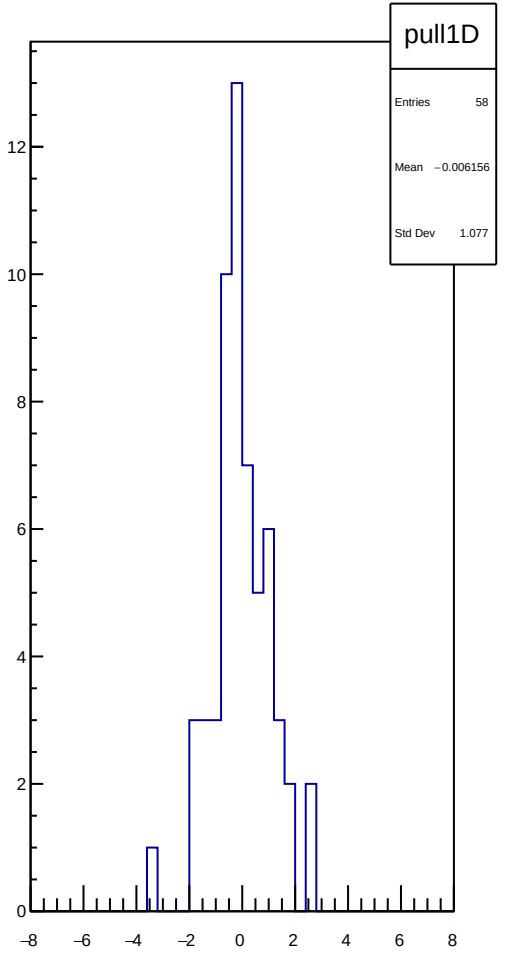

asym_sam_37_26_dd_rms vs run
χ² / ndf 6366 / 57
p0 113.6 ± 0.1083
150
140
130
120
110
100

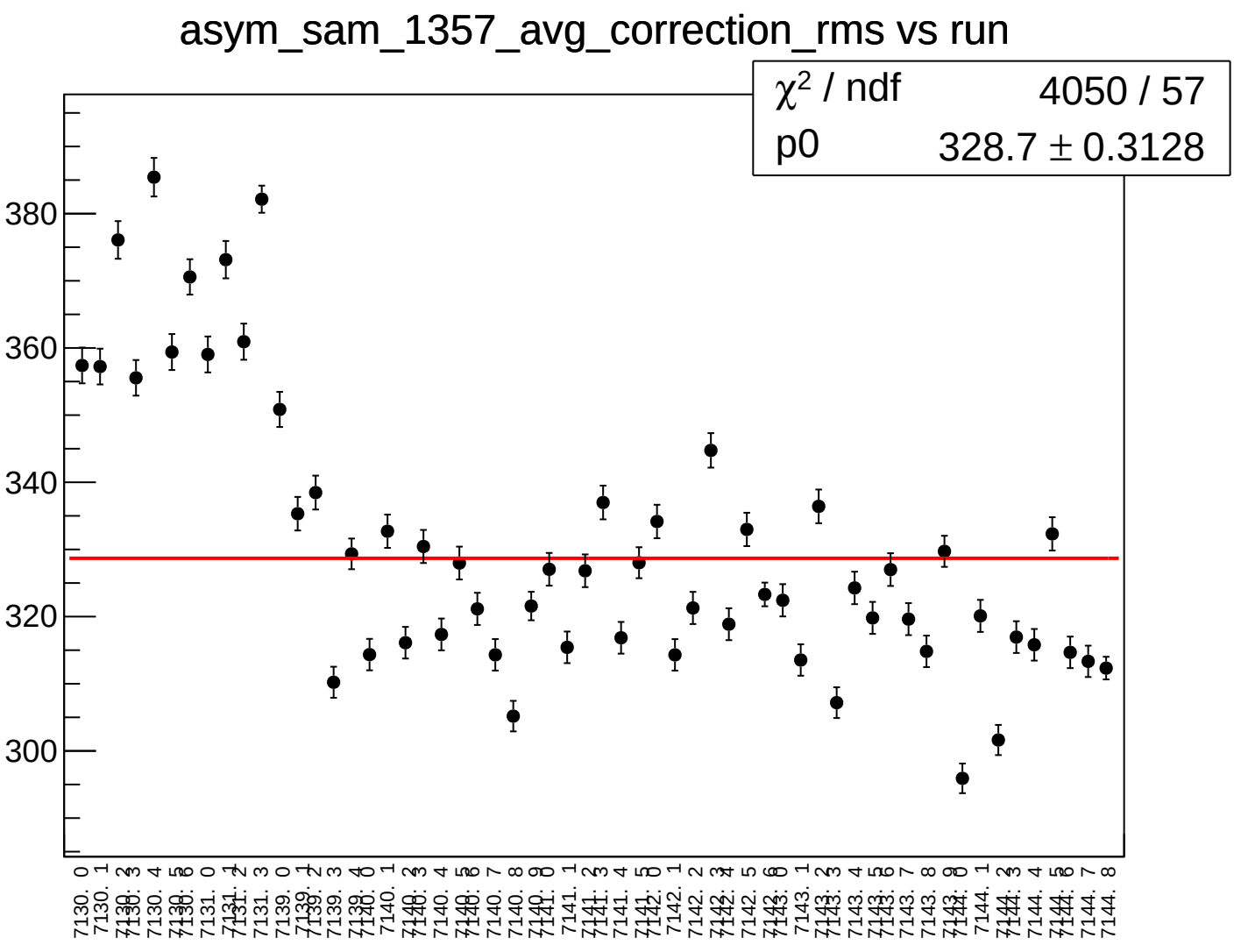

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 63.15 / 57
p0 −69.85 ± 87.69
pull
Entries 58
Mean 47.45
Std Dev 11.25

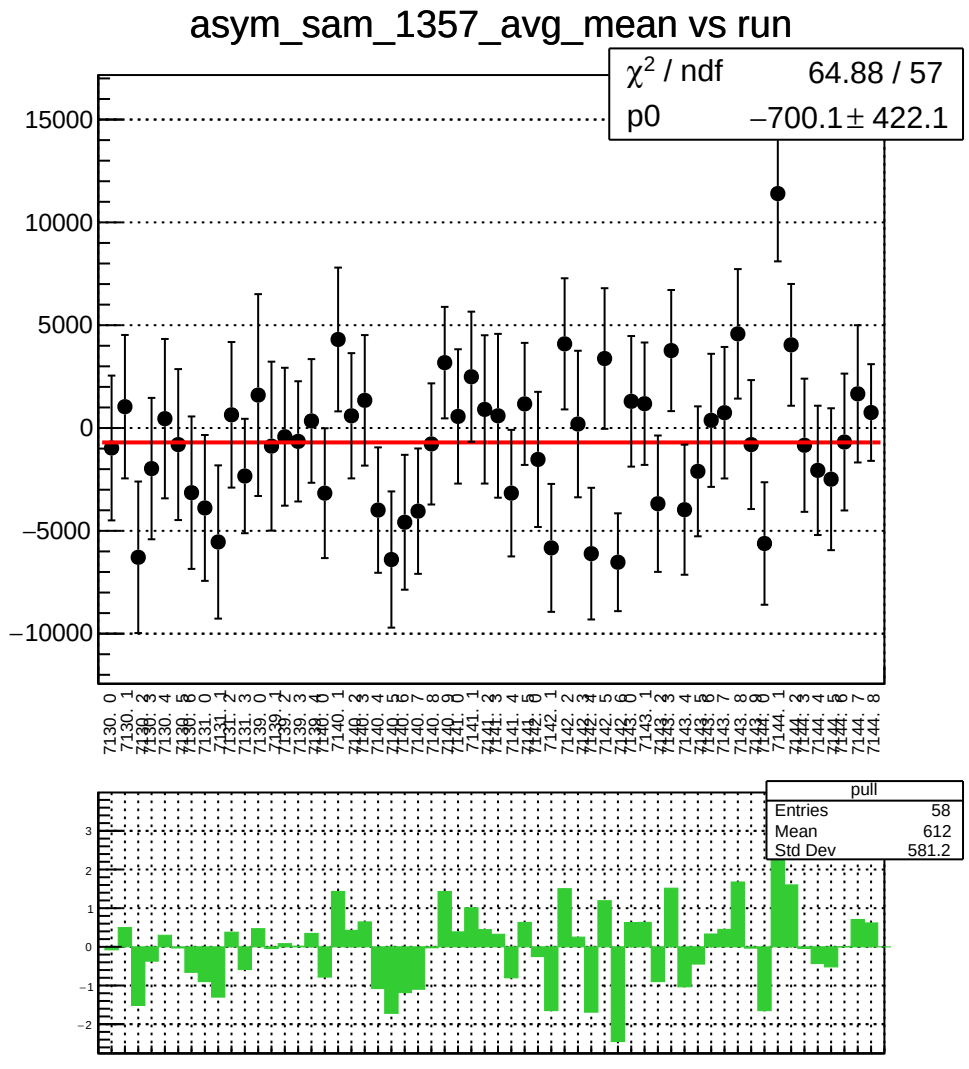

pull1D
Entries 58
Mean −0.04887
Std Dev 1.042

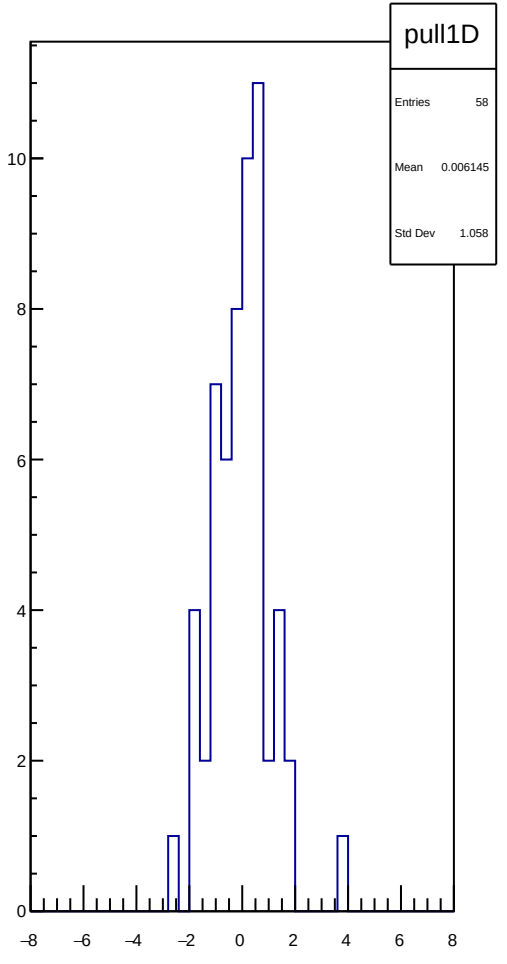

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 5.845e+04 / 57
p0 63.52 ± 0.062
130
120
110
100
90
80
70
60
50
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 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

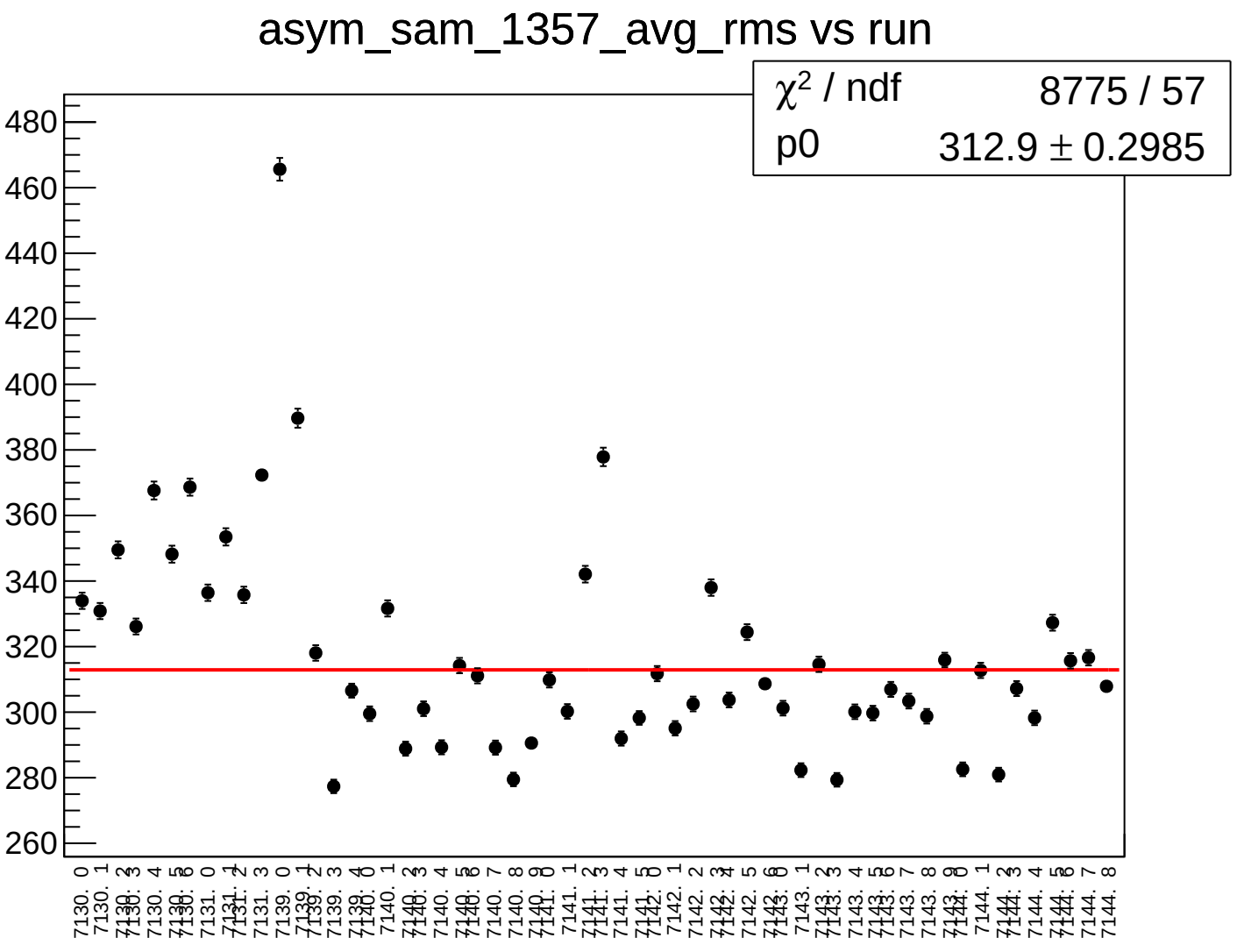

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 67.24 / 57
p0 450.4 ± 442.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 616.2
Std Dev 584.5
2
1
0
−1
−2
−3

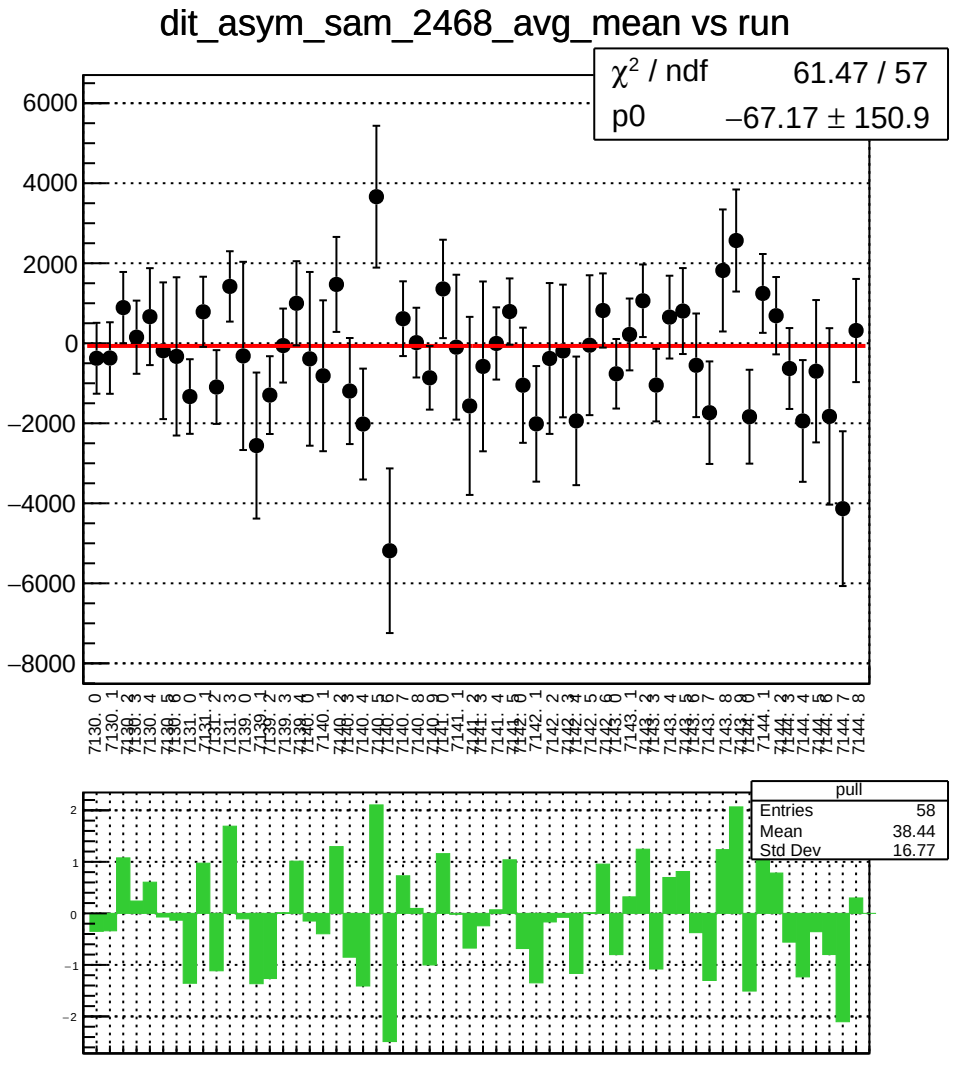

pull1D
Entries 58
Mean −0.006156
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

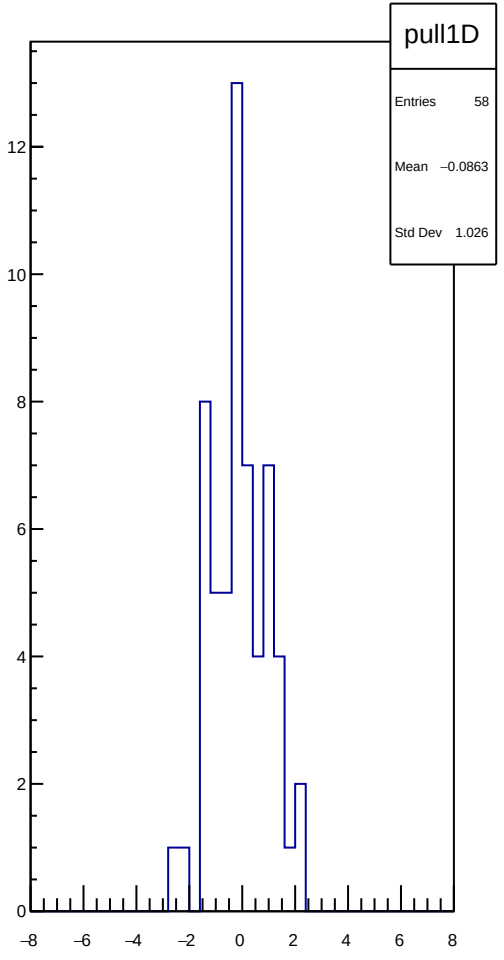

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 4050 / 57
p0 328.7 ± 0.3128
380
360
340
320
300

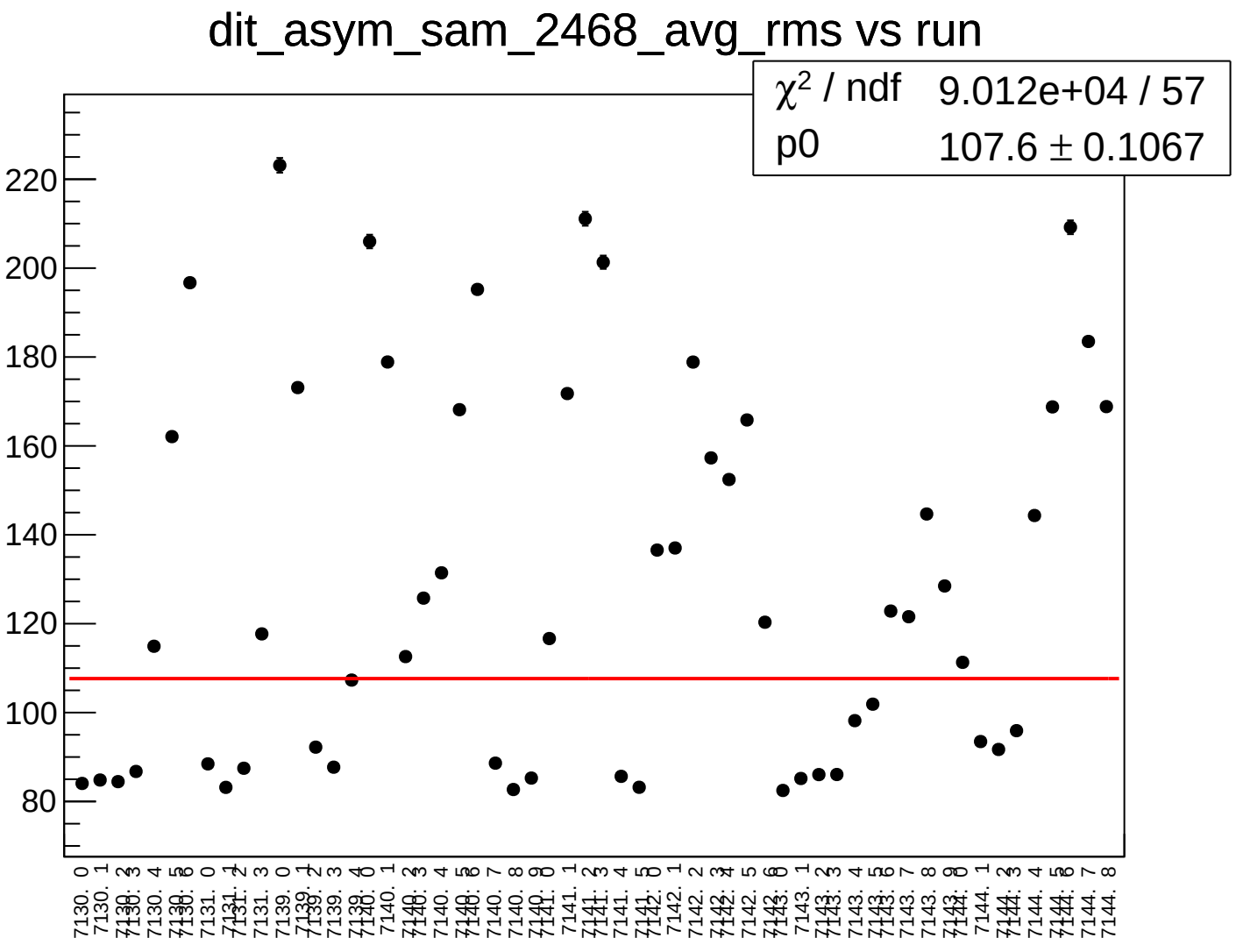

asym_sam_1357_avg_mean vs run
χ² / ndf 64.88 / 57
p0 −700.1 ± 422.1
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 612
Std Dev 581.2
3
2
1
0
−1
−2

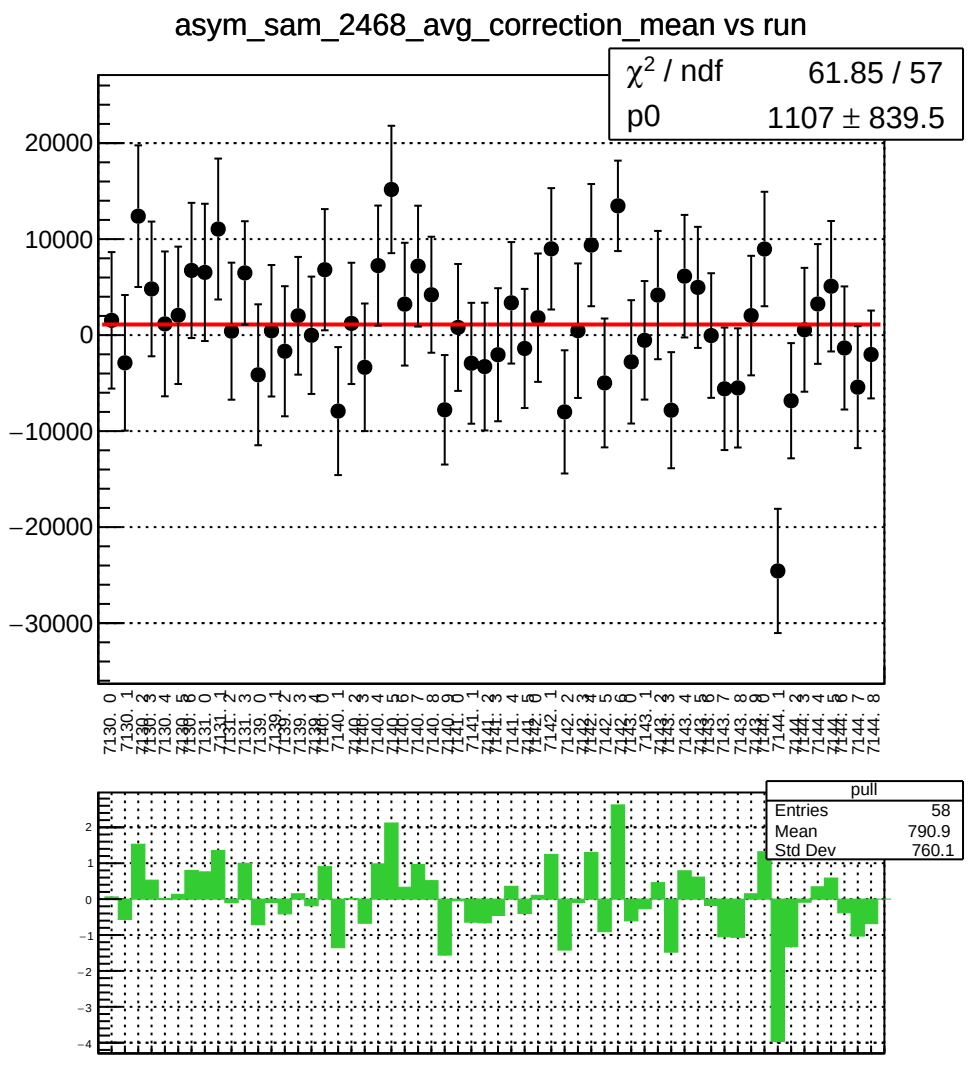

pull1D
Entries 58
Mean 0.006145
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

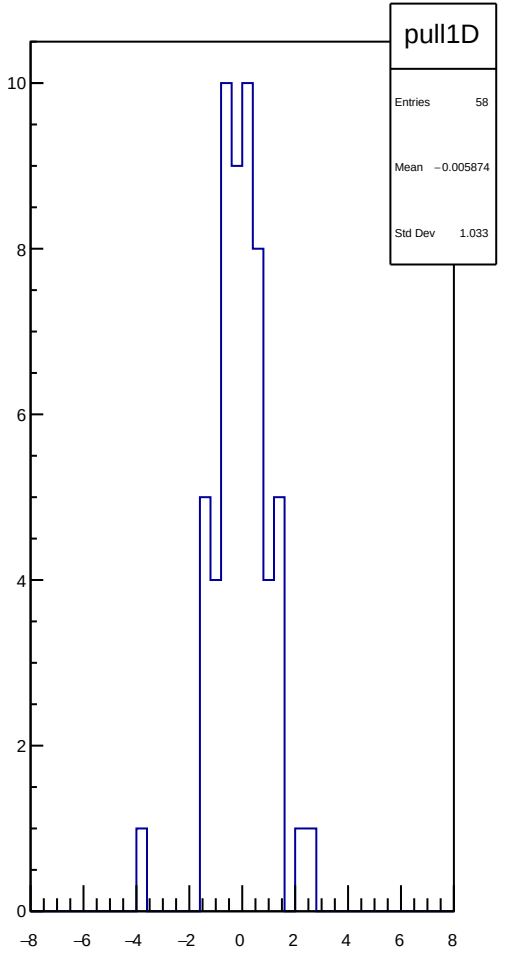

asym_sam_1357_avg_rms vs run
χ^2 / ndf 8775 / 57
p0 312.9 ± 0.2985
480
460
440
420
400
380
360
340
320
300
280
260

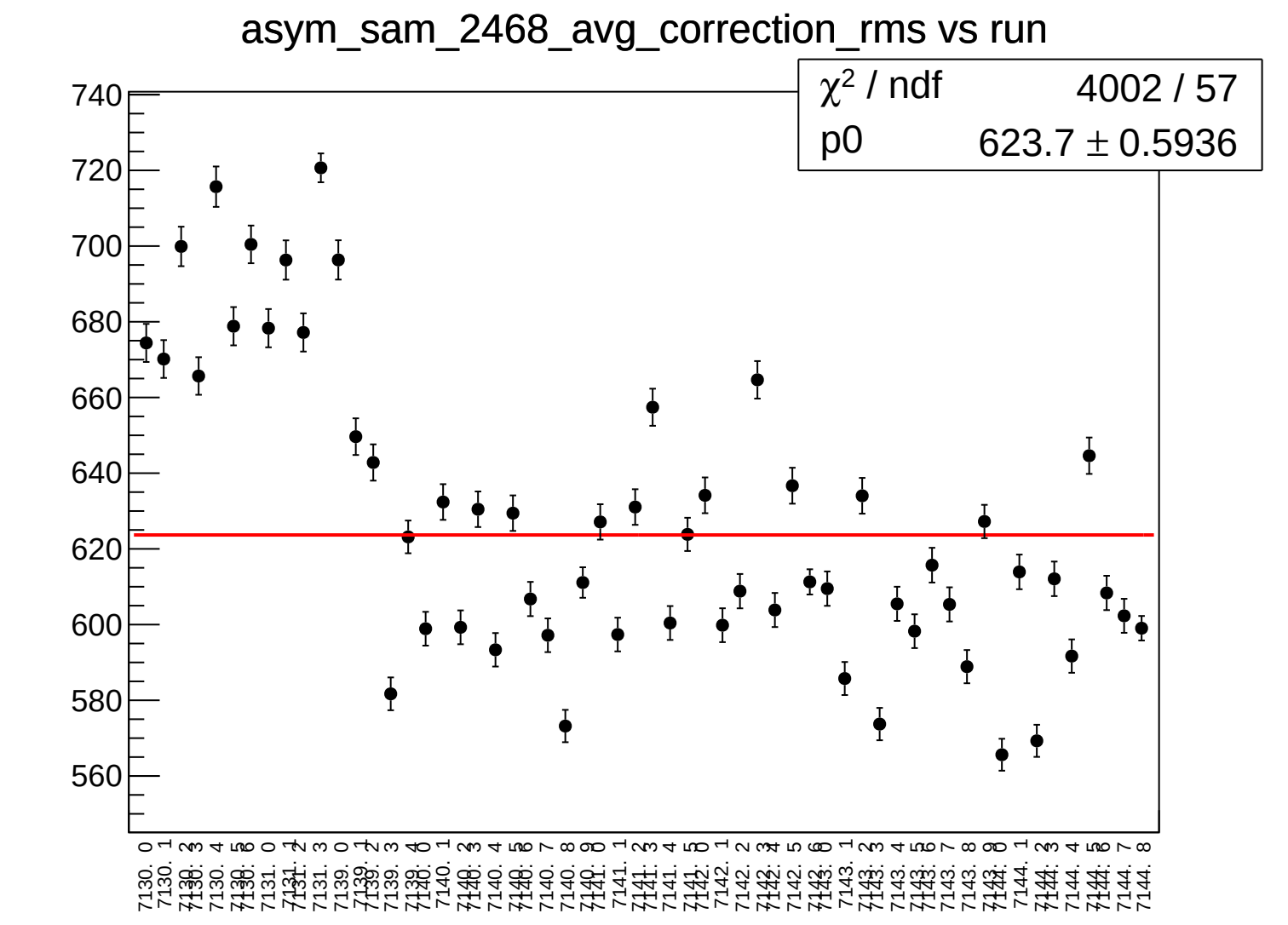

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 61.47 / 57
p0 −67.17 ± 150.9
pull
Entries 58
Mean 38.44
Std Dev 16.77

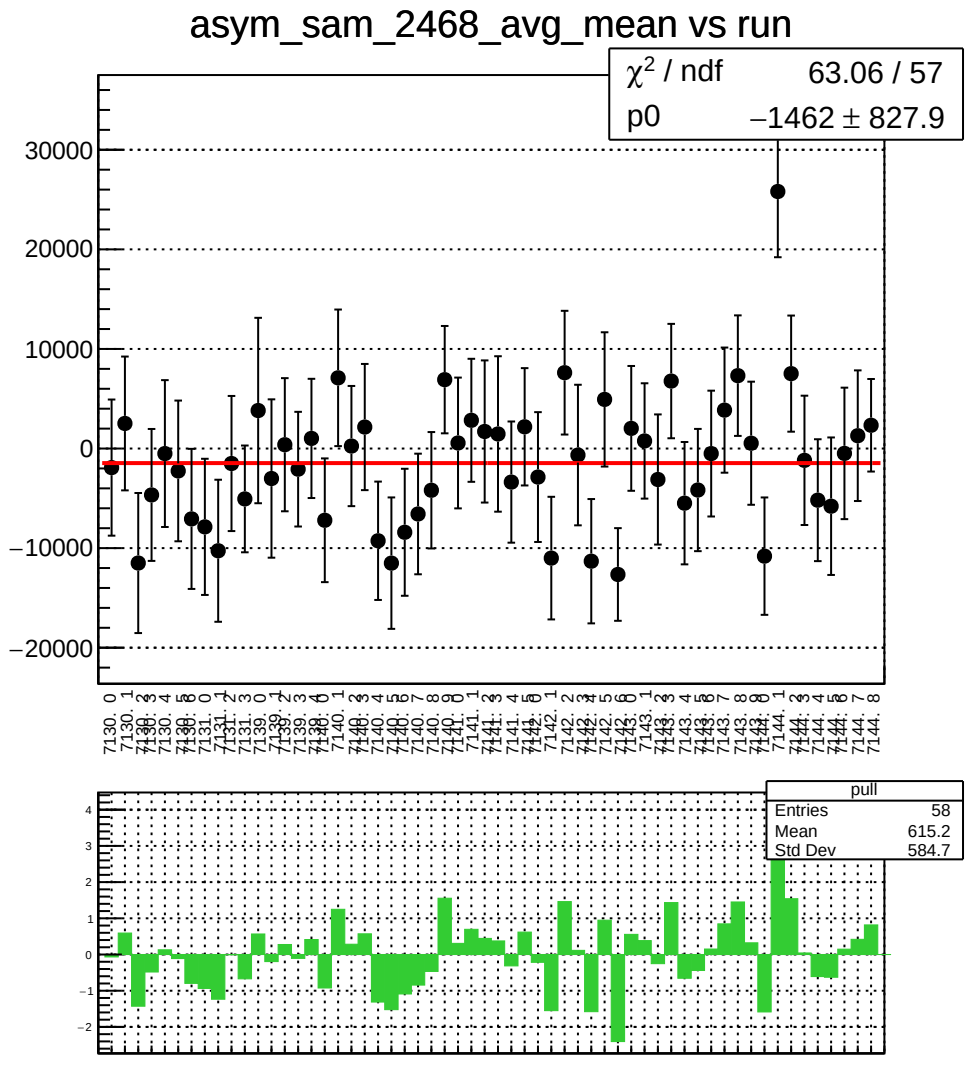

pull1D
Entries 58
Mean −0.0863
Std Dev 1.026

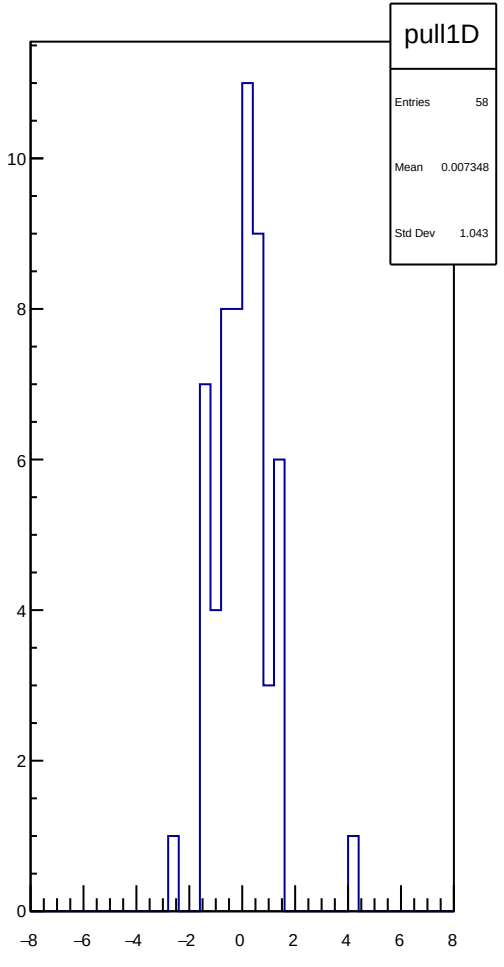

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 9.012e+04 / 57
p0 107.6 ± 0.1067
220
200
180
160
140
120
100
80
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 8
7140. 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

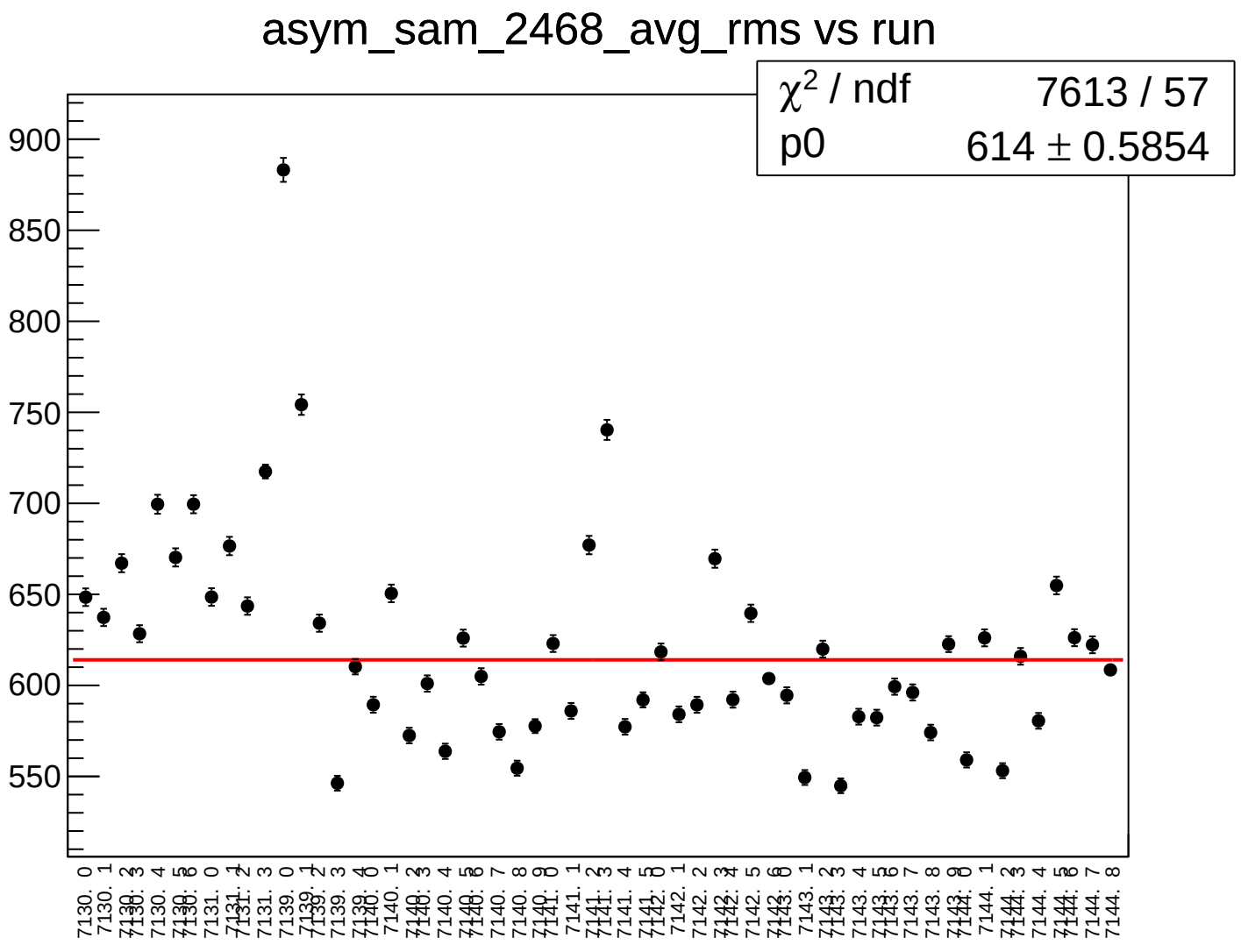

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 61.85 / 57
p0 1107 ± 839.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 58
Mean 790.9
Std Dev 760.1
2
1
0
−1
−2
−3
−4

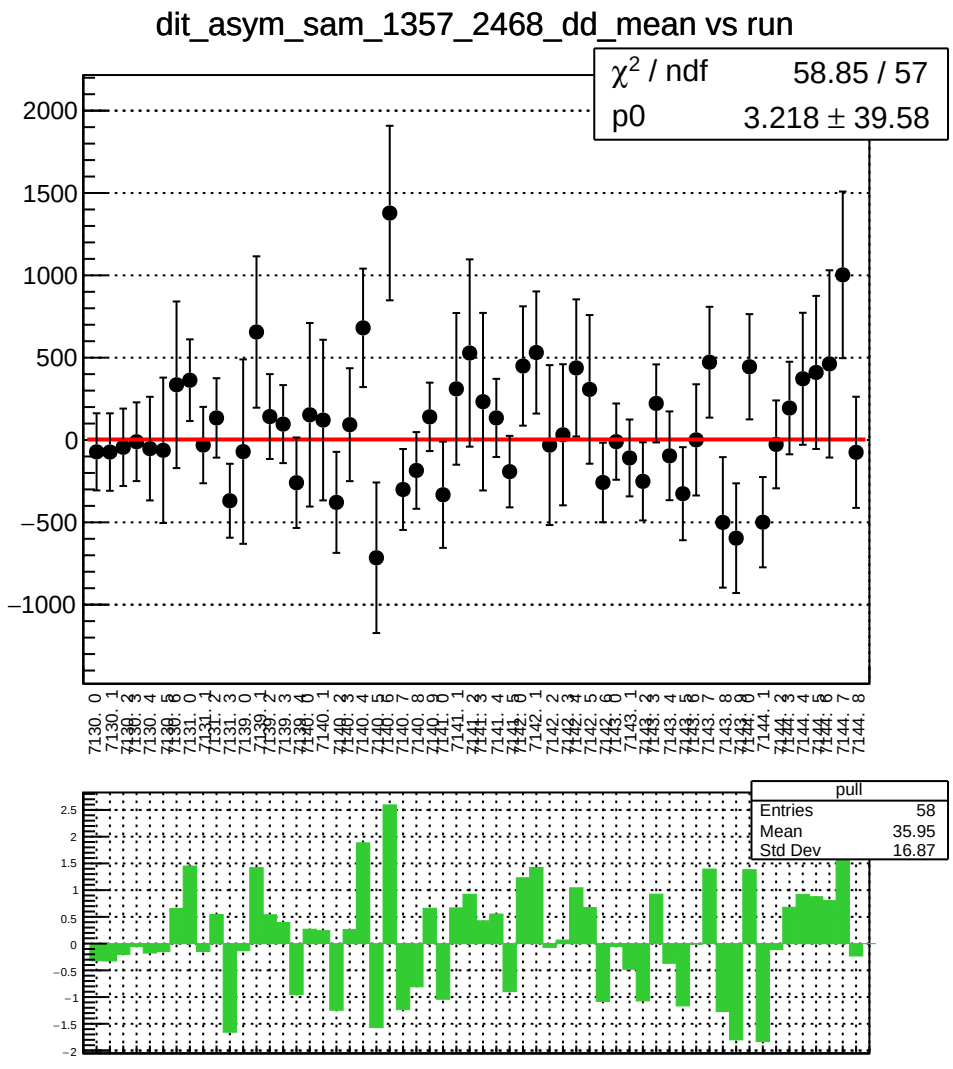

pull1D
Entries 58
Mean −0.005874
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

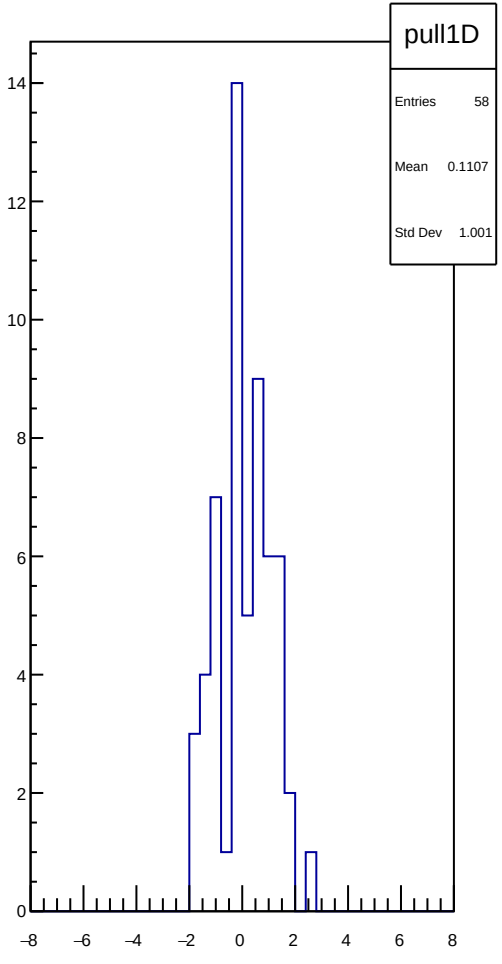

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 4002 / 57
p0 623.7 ± 0.5936
740
720
700
680
660
640
620
600
580
560

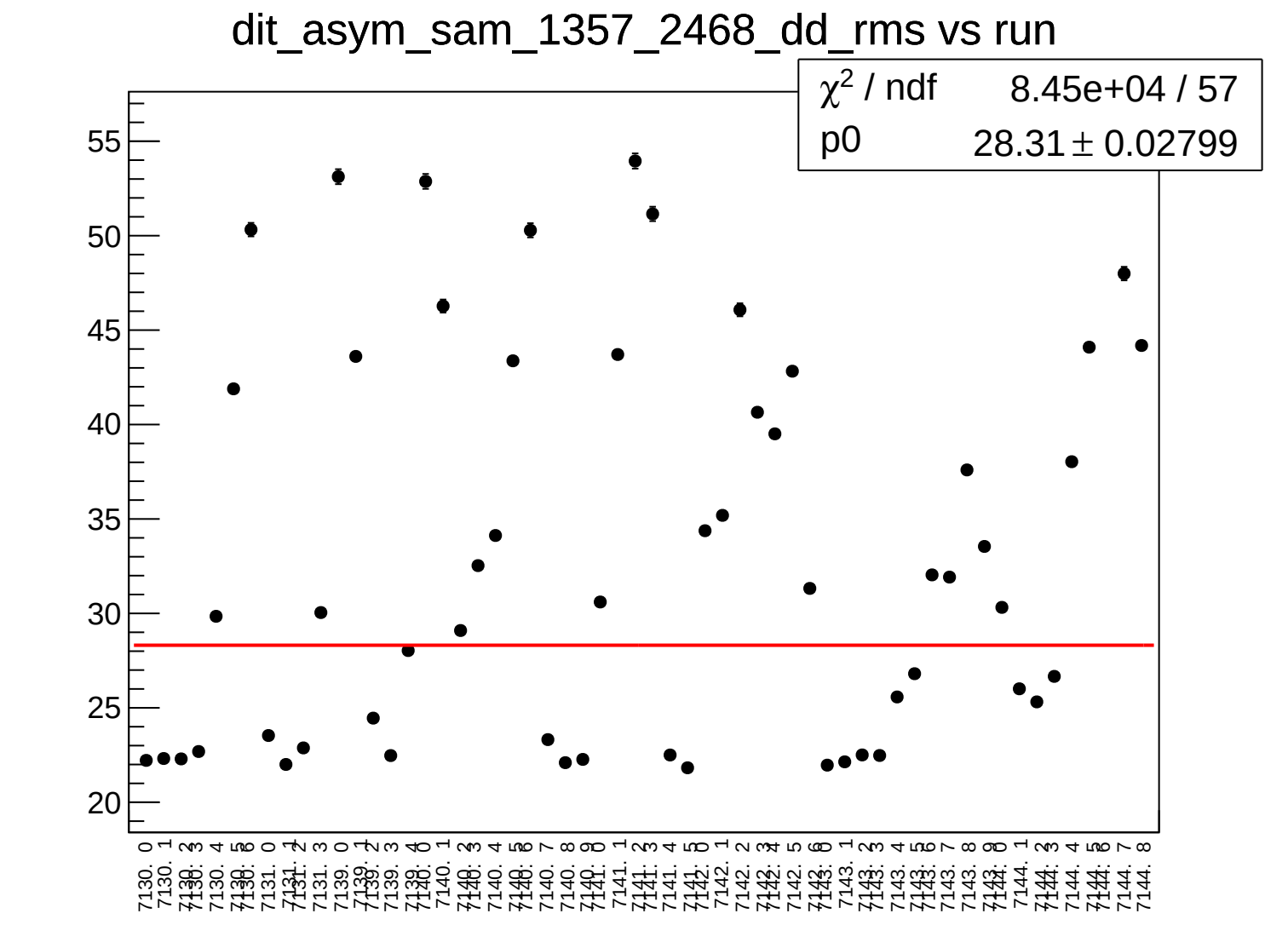

asym_sam_2468_avg_mean vs run
χ² / ndf 63.06 / 57
p0 −1462 ± 827.9
pull
Entries 58
Mean 615.2
Std Dev 584.7

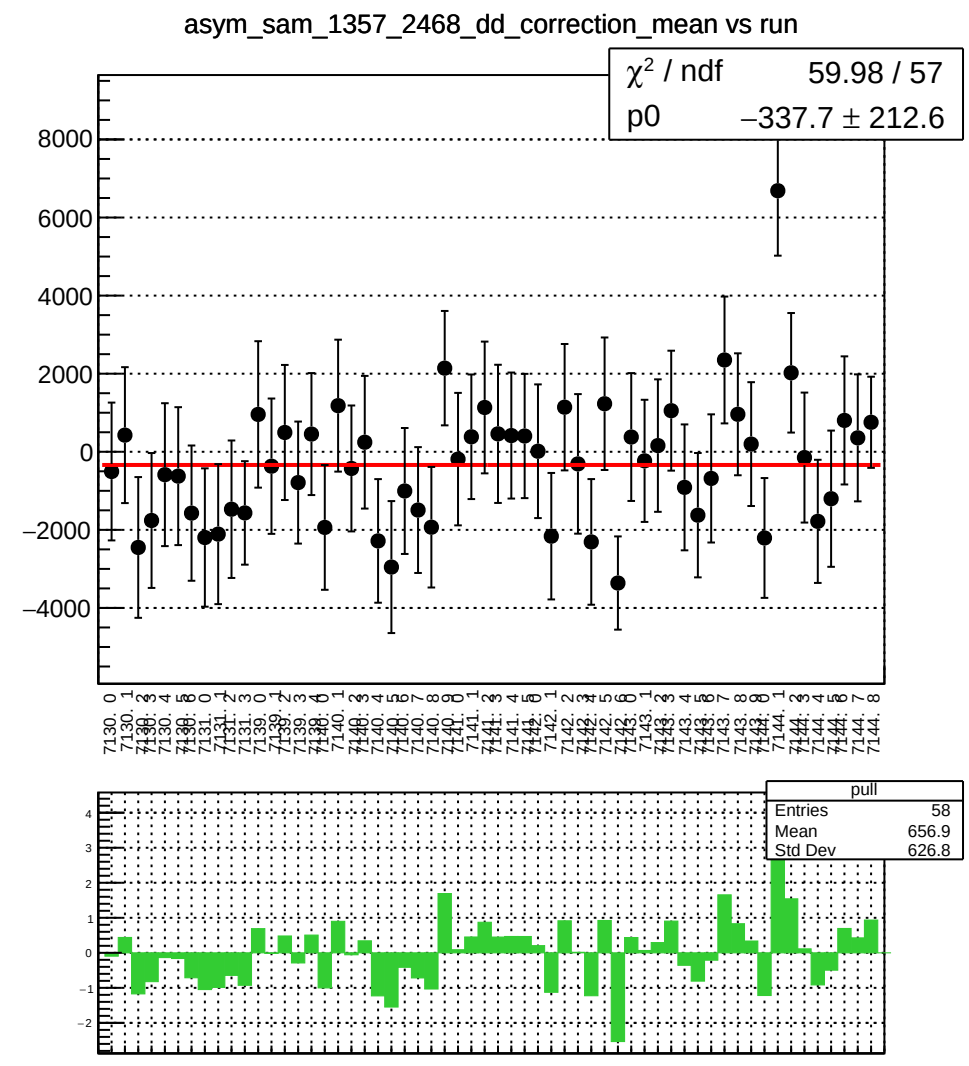

pull1D
Entries 58
Mean 0.007348
Std Dev 1.043

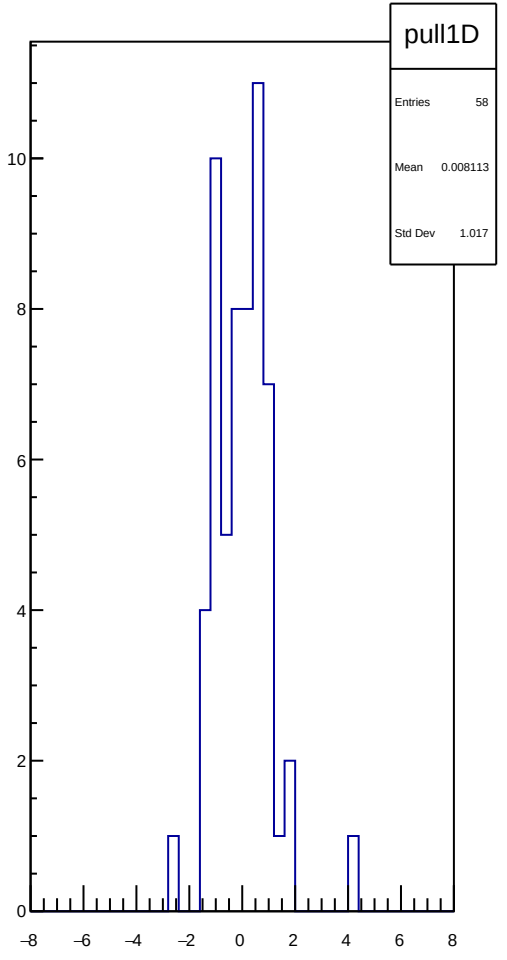

asym_sam_2468_avg_rms vs run
χ^2 / ndf 7613 / 57
p0 614 ± 0.5854
900
850
800
750
700
650
600
550

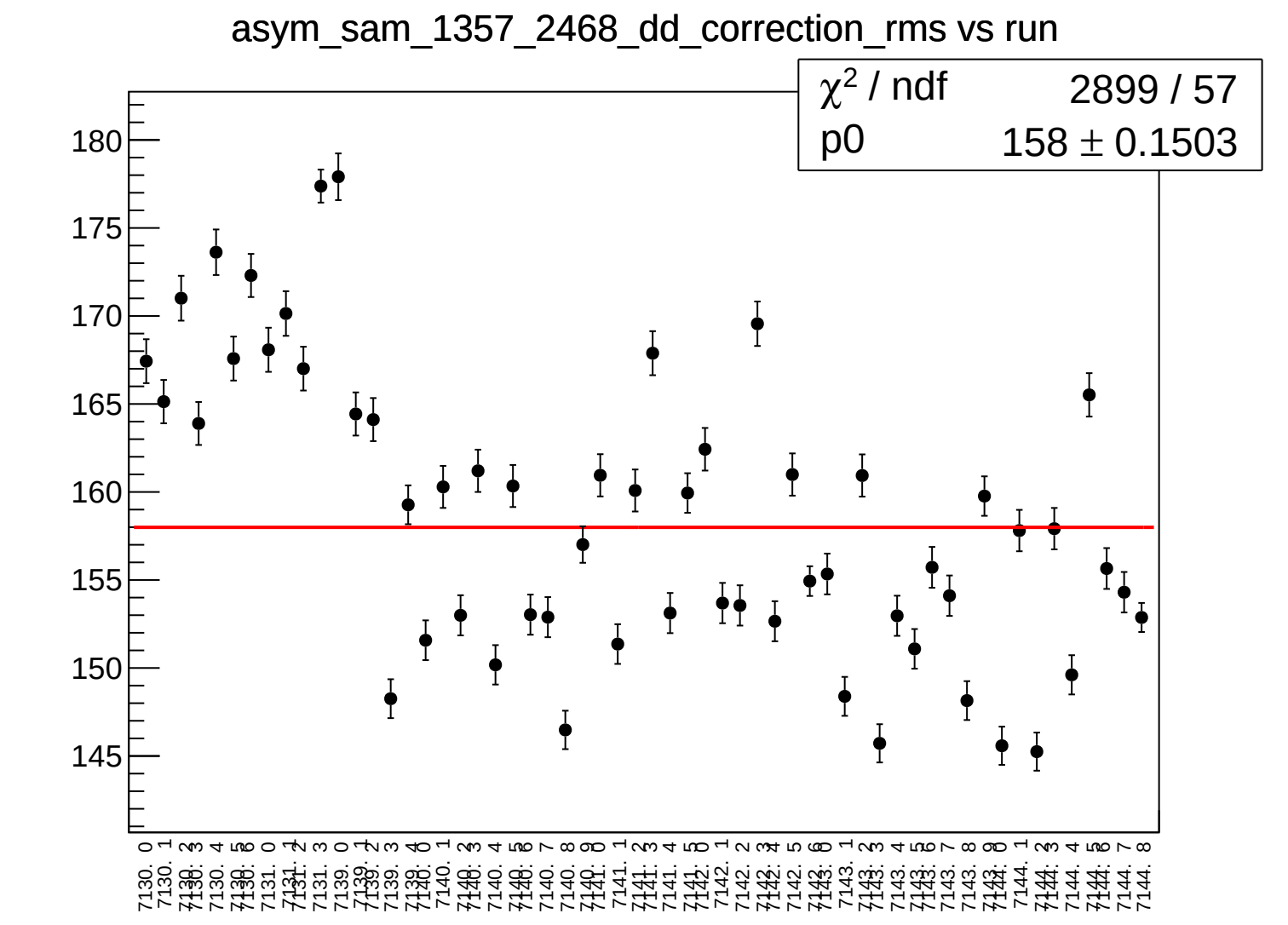

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 58.85 / 57
p0 3.218 ± 39.58
pull
Entries 58
Mean 35.95
Std Dev 16.87

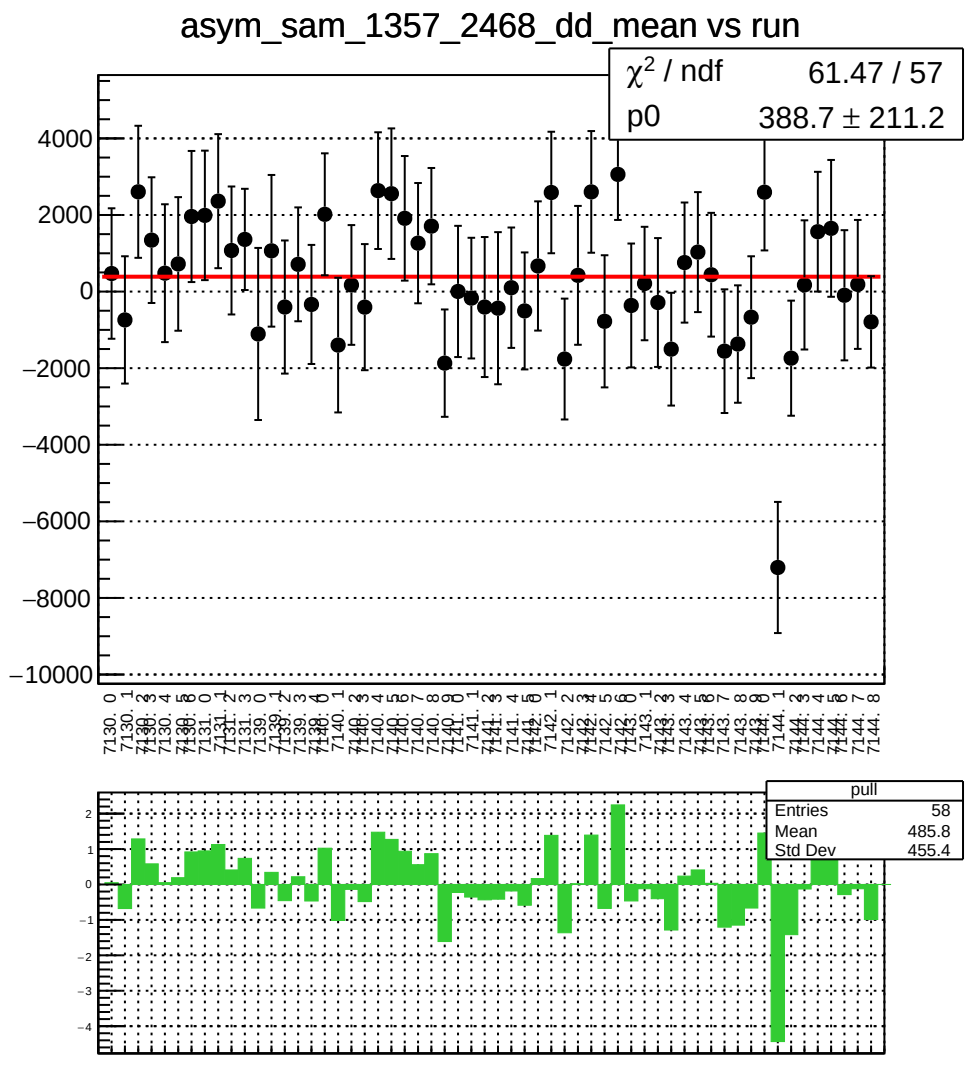

pull1D
Entries 58
Mean 0.1107
Std Dev 1.001

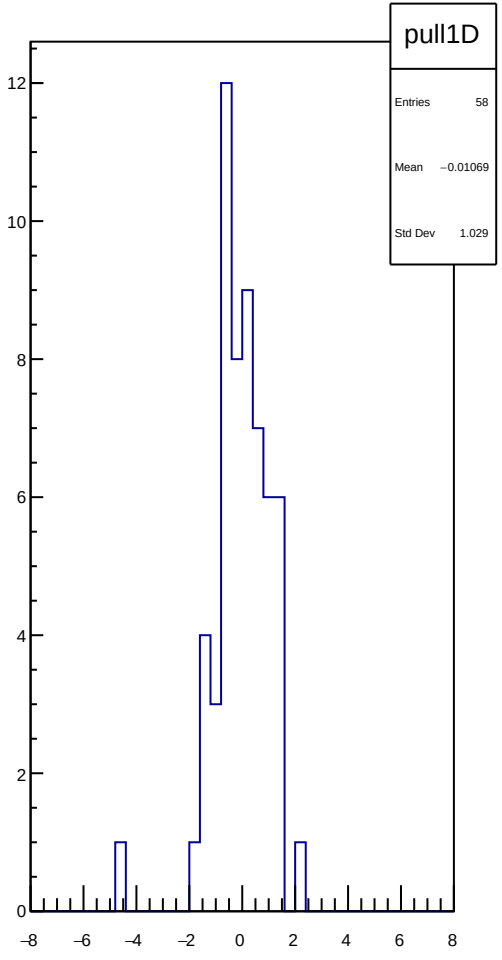

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 8.45e+04 / 57
p0 28.31 ± 0.02799
55
50
45
40
35
30
25
20
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 7
7140. 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

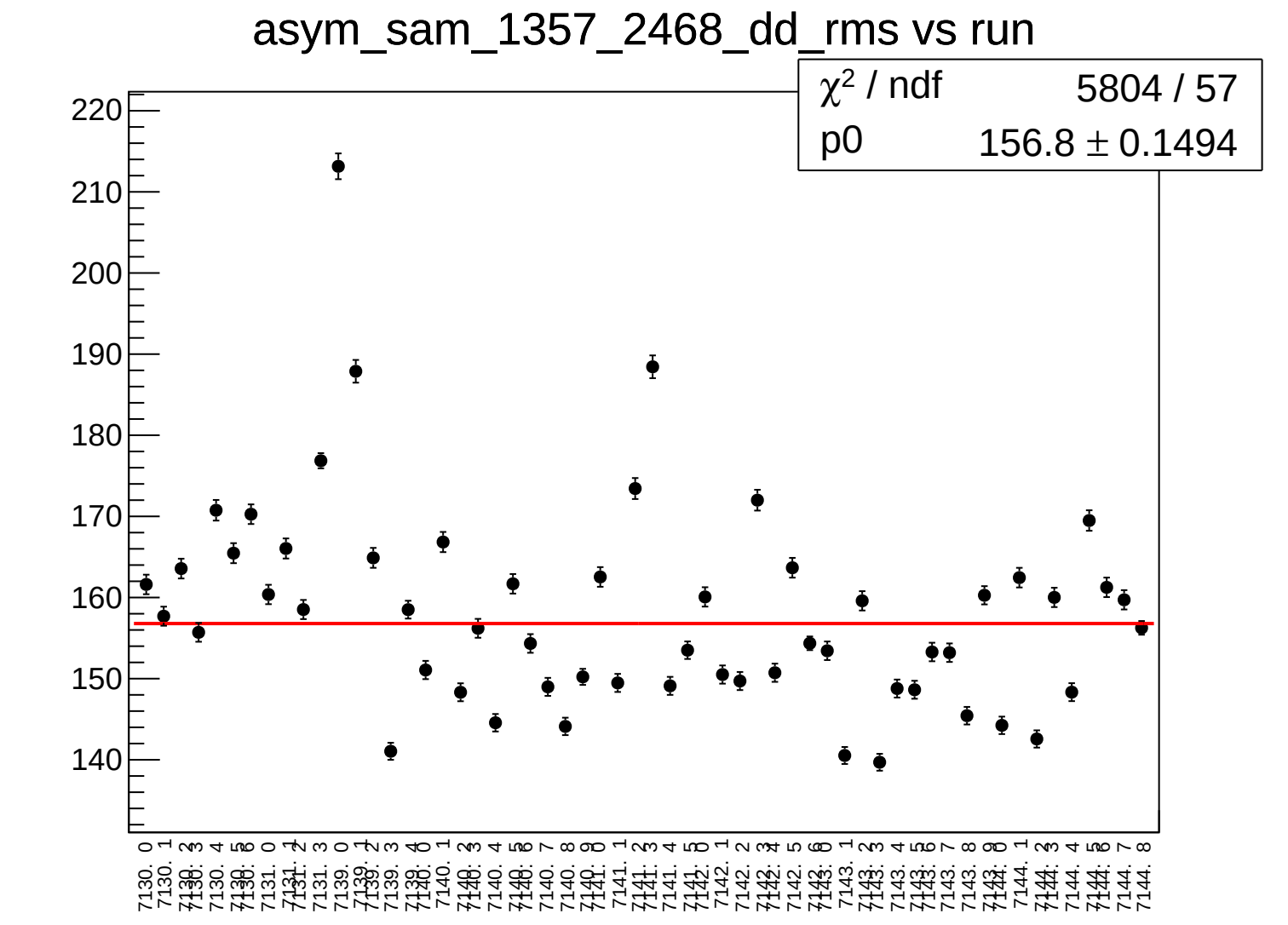

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 59.98 / 57
p0 −337.7 ± 212.6
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 656.9
Std Dev 626.8

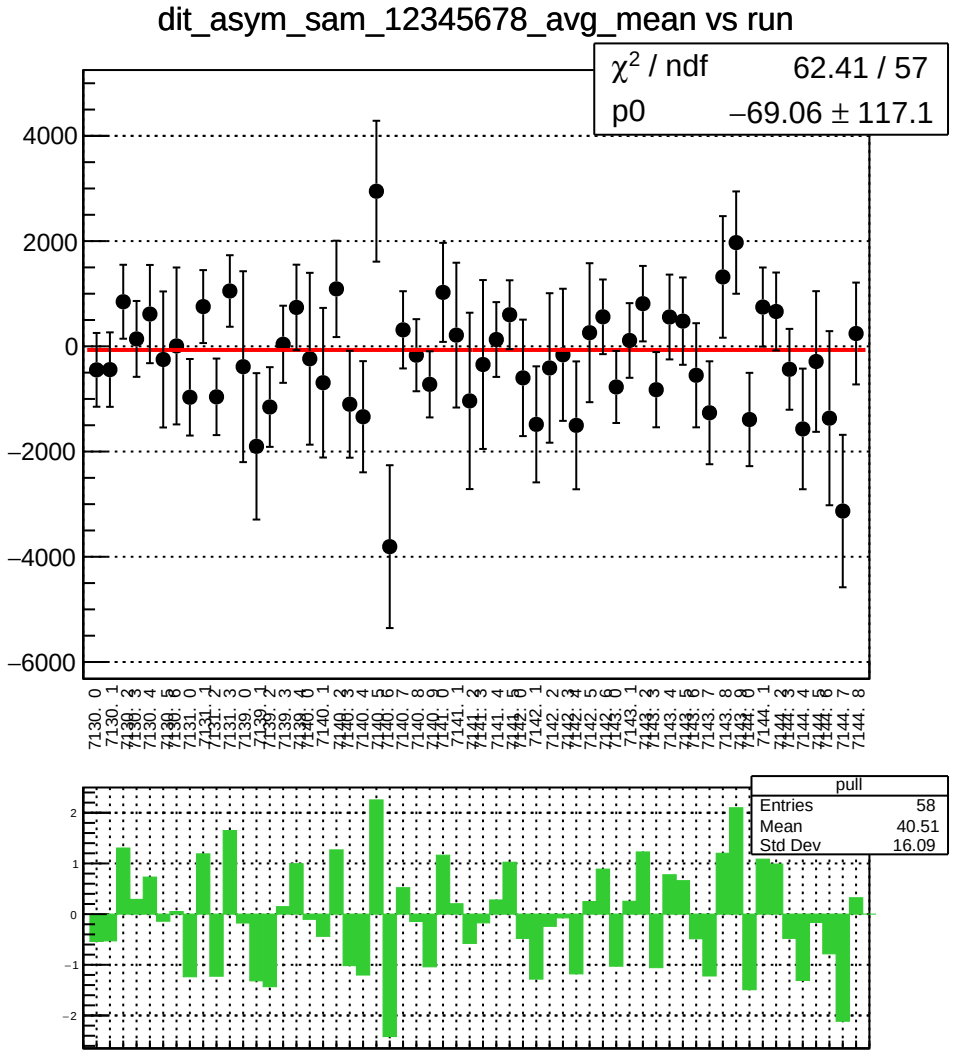

pull1D
Entries 58
Mean 0.008113
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

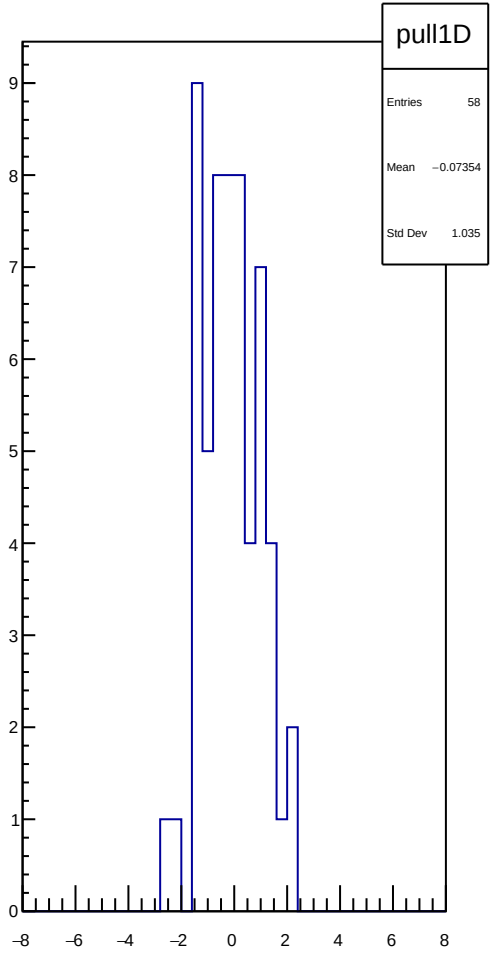

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2899 / 57
p0 158 ± 0.1503
180
175
170
165
160
155
150
145

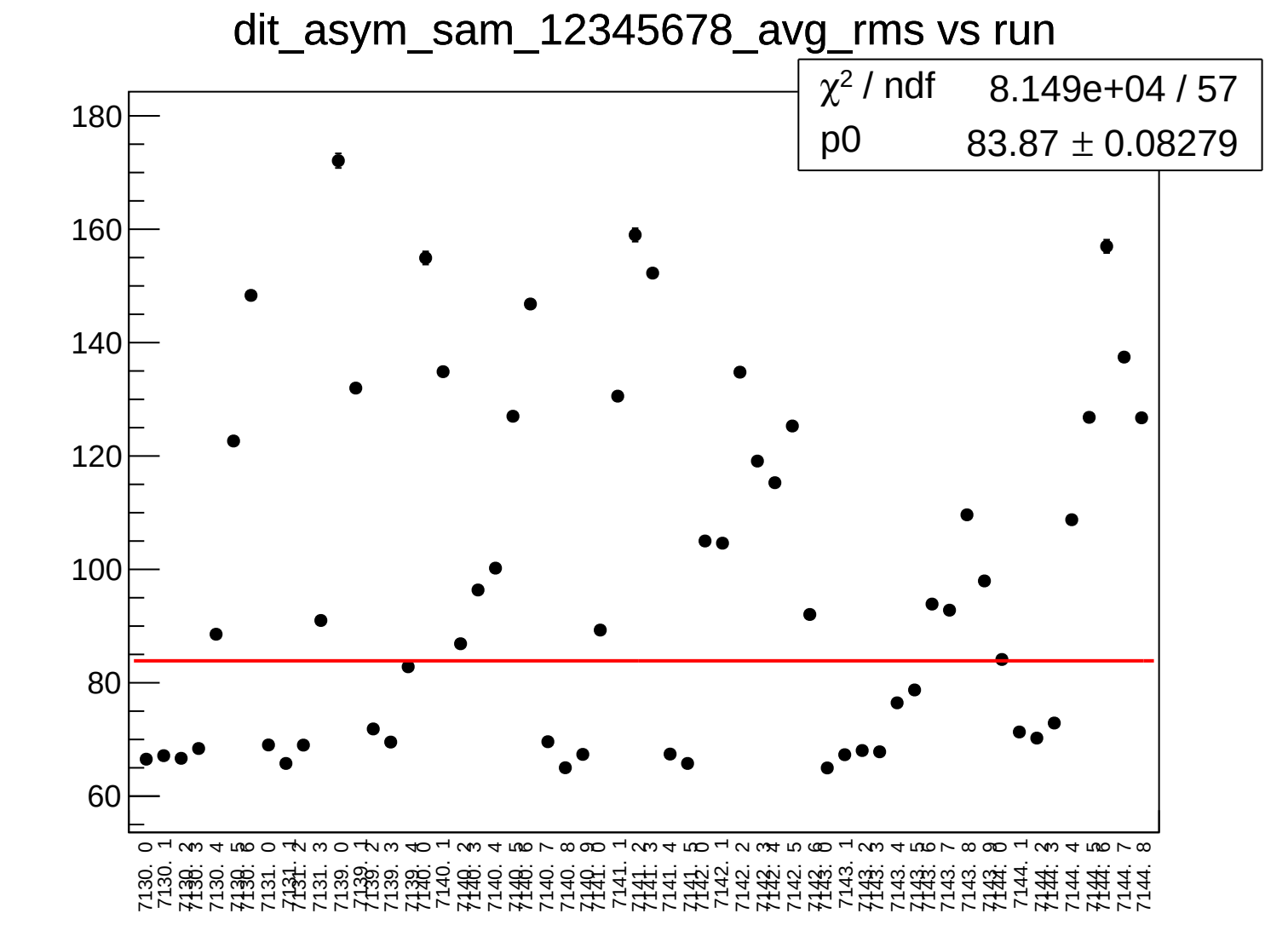

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 61.47 / 57
p0 388.7 ± 211.2
pull
Entries 58
Mean 485.8
Std Dev 455.4

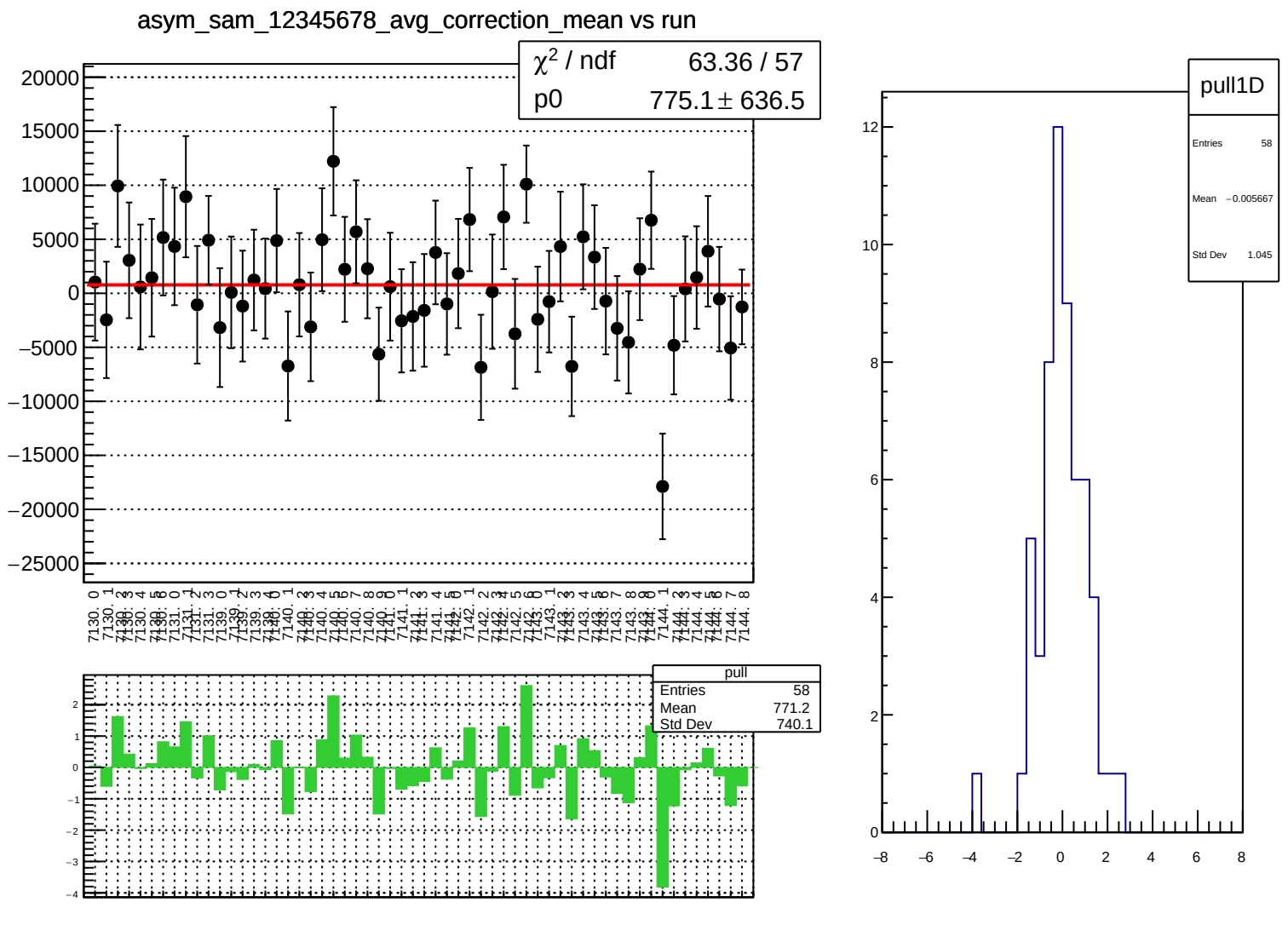

pull1D
Entries 58
Mean −0.01069
Std Dev 1.029

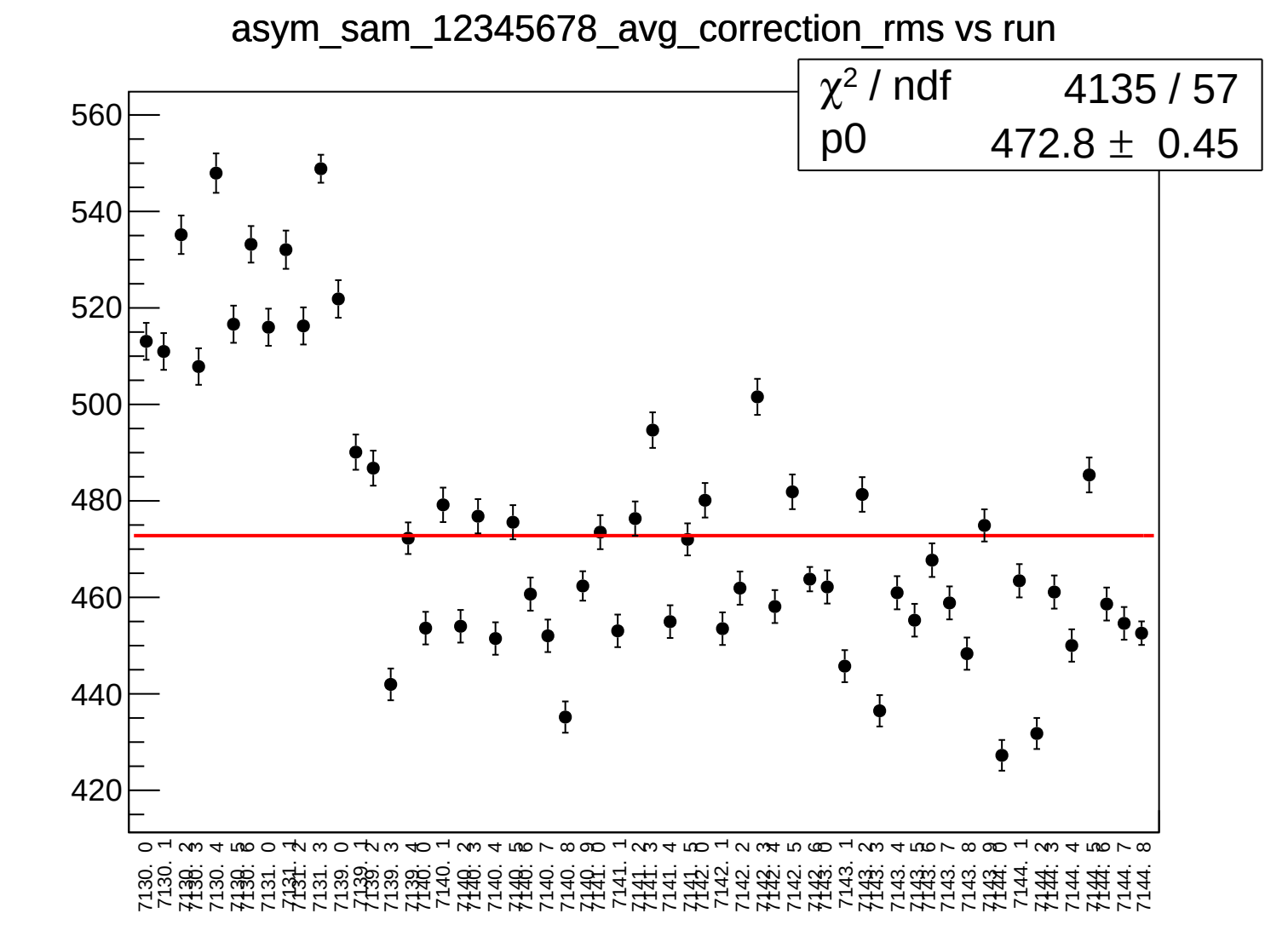

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5804 / 57
p0 156.8 ± 0.1494
220
210
200
190
180
170
160
150
140

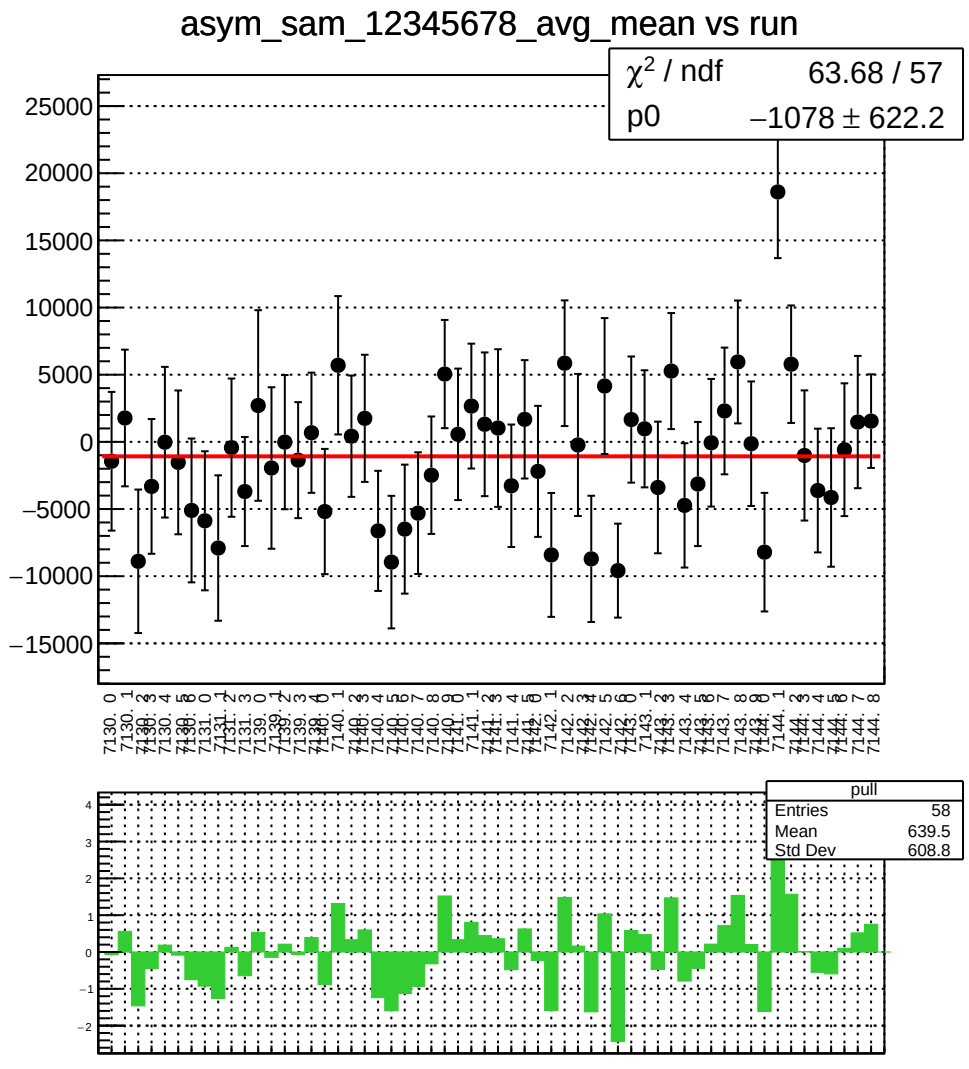

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 62.41 / 57
p0 −69.06 ± 117.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 58
Mean 40.51
Std Dev 16.09
2
1
0
−1
−2

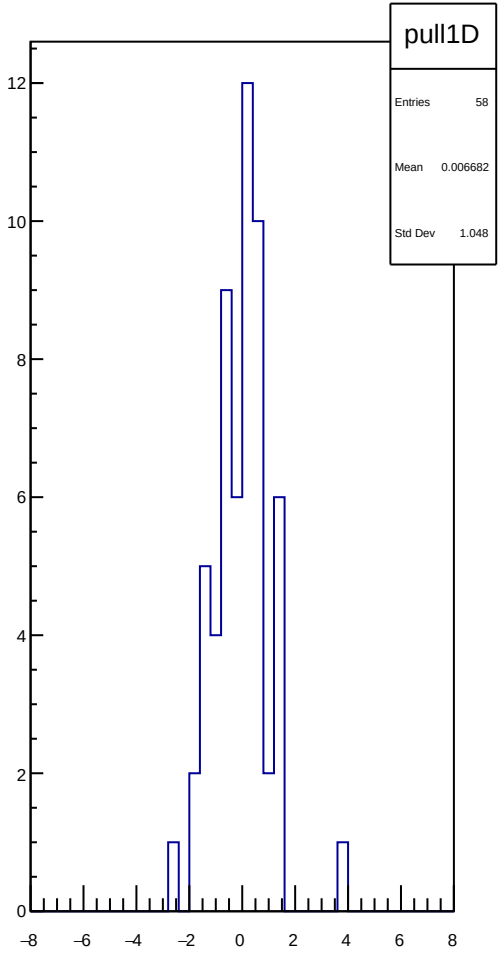

pull1D
Entries 58
Mean −0.07354
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

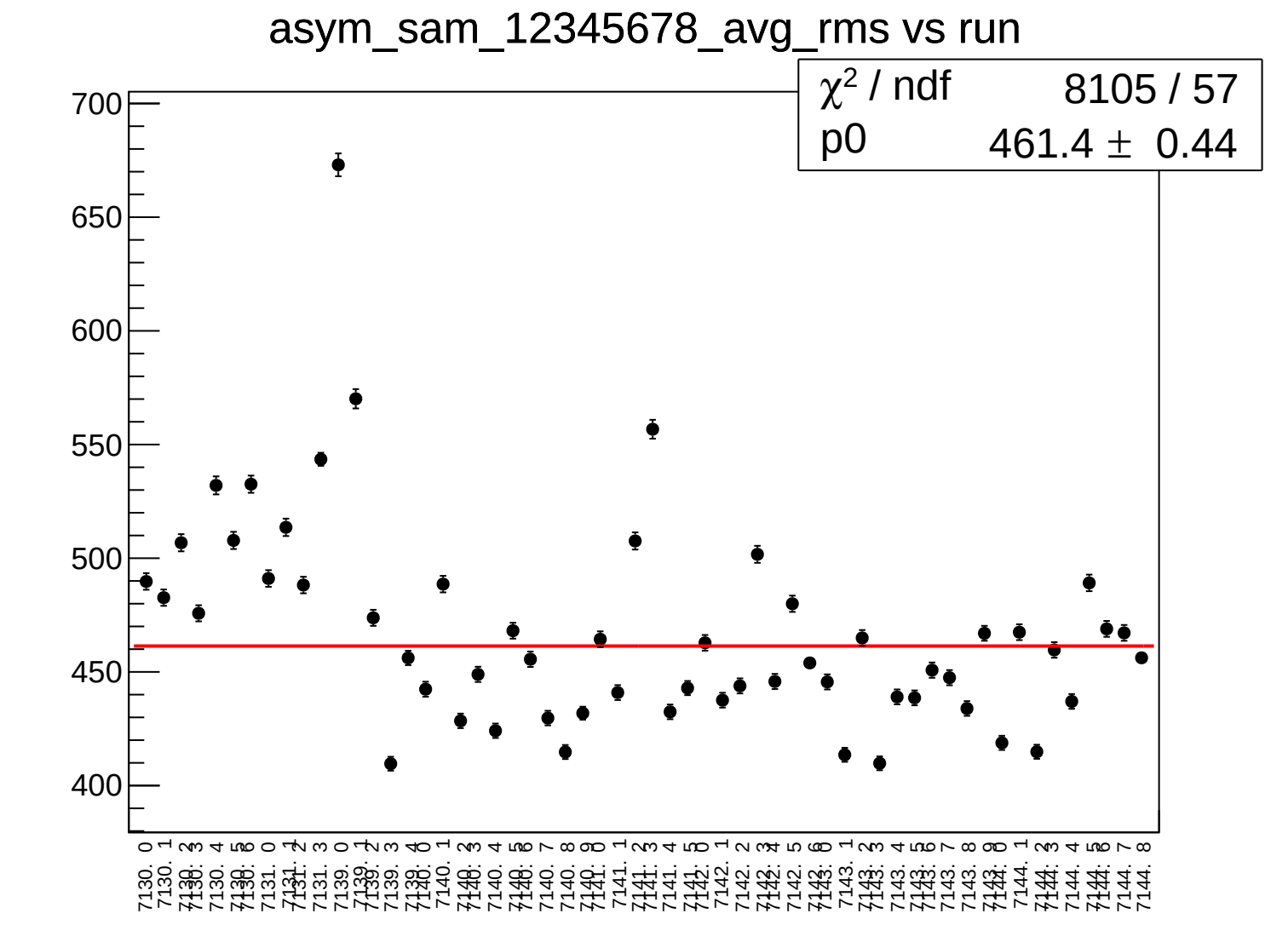

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 8.149e+04 / 57
p0 83.87 ± 0.08279
180
160
140
120
100
80
60

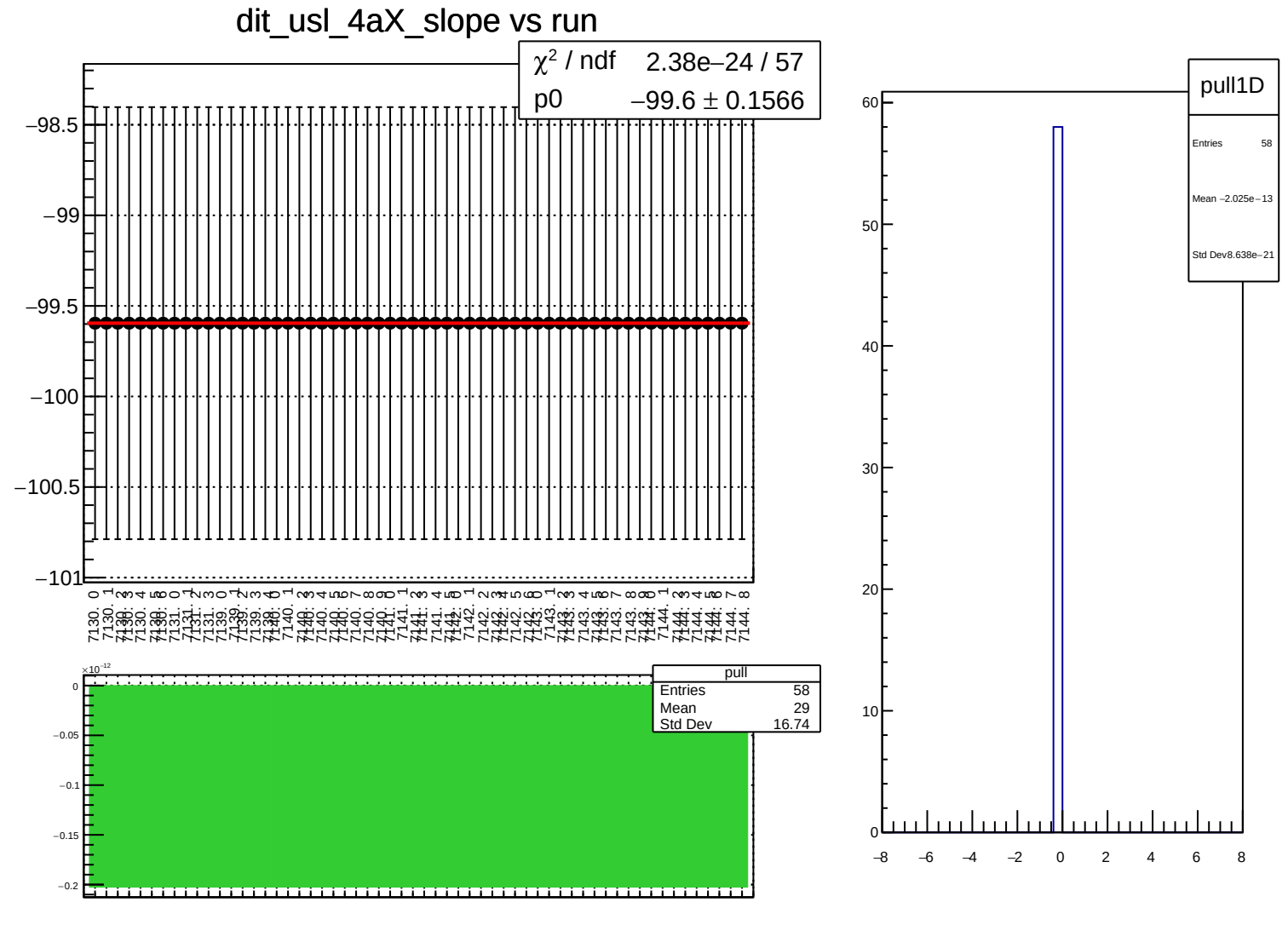

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 63.36 / 57
p0 775.1 ± 636.5
pull
Entries 58
Mean 771.2
Std Dev 740.1
pull1D
Entries 58
Mean −0.005667
Std Dev 1.045

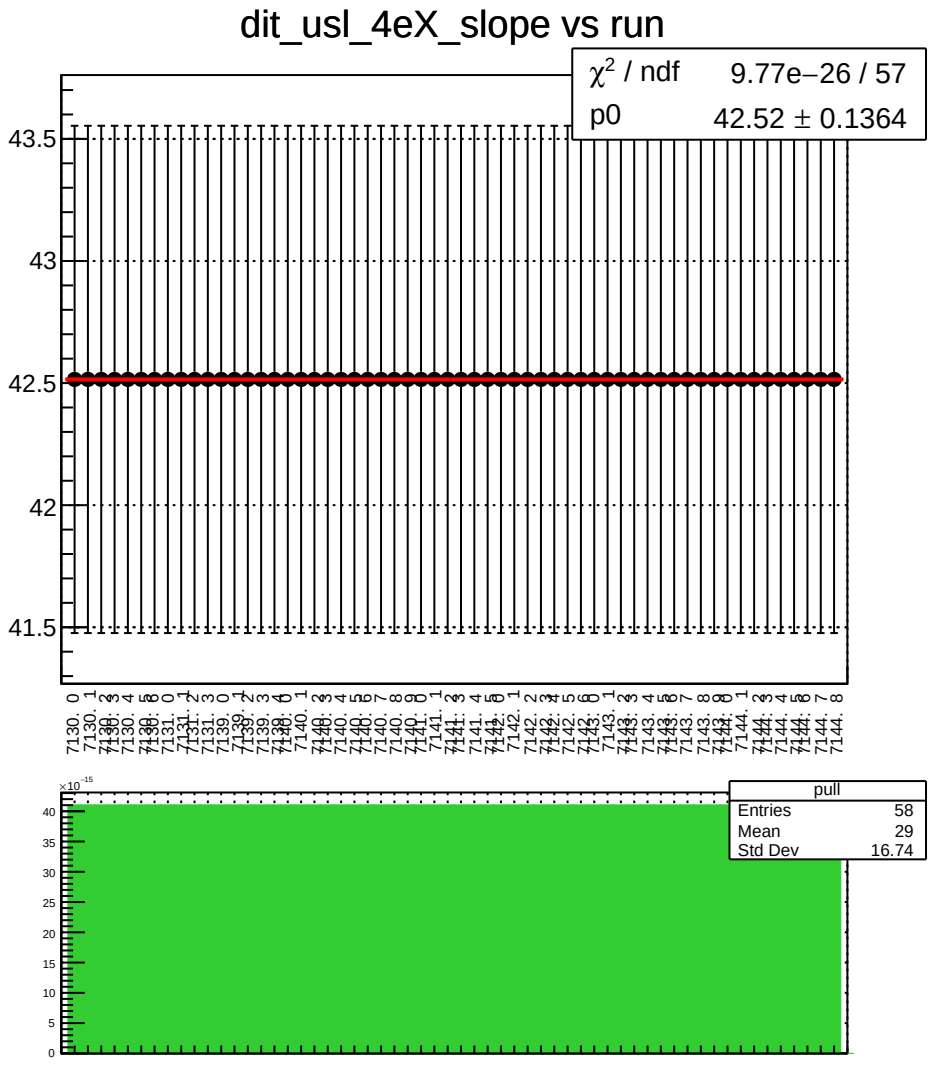

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 4135 / 57
p0 472.8 ± 0.45
560
540
520
500
480
460
440
420
7130. 0
7130. 1
7130. 2
7130. 3
7130. 4
7130. 5
7130. 6
7131. 0
7131. 1
7131. 2
7131. 3
7139. 0
7139. 1
7139. 2
7139. 3
7139. 4
7140. 0
7140. 1
7140. 2
7140. 3
7140. 4
7140. 5
7140. 6
7140. 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

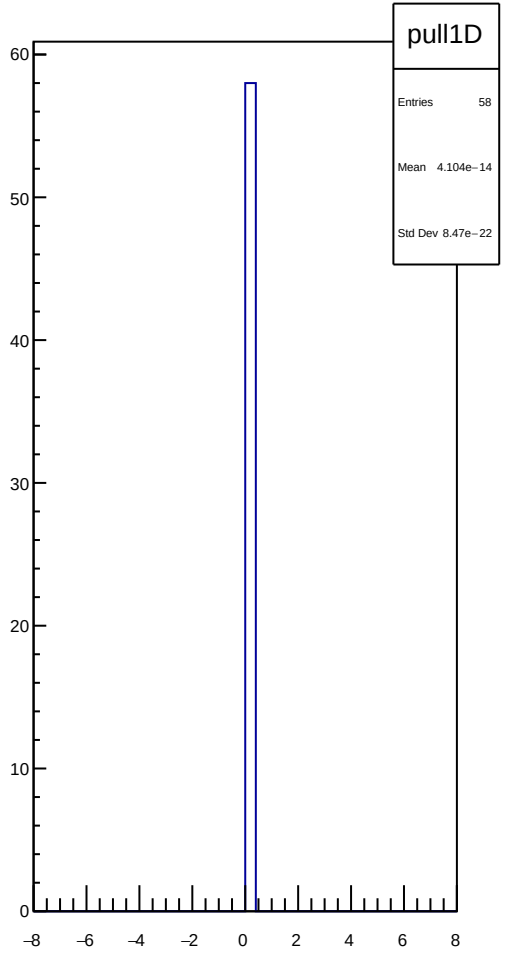

asym_sam_12345678_avg_mean vs run
χ² / ndf 63.68 / 57
p0 −1078 ± 622.2
pull
Entries 58
Mean 639.5
Std Dev 608.8

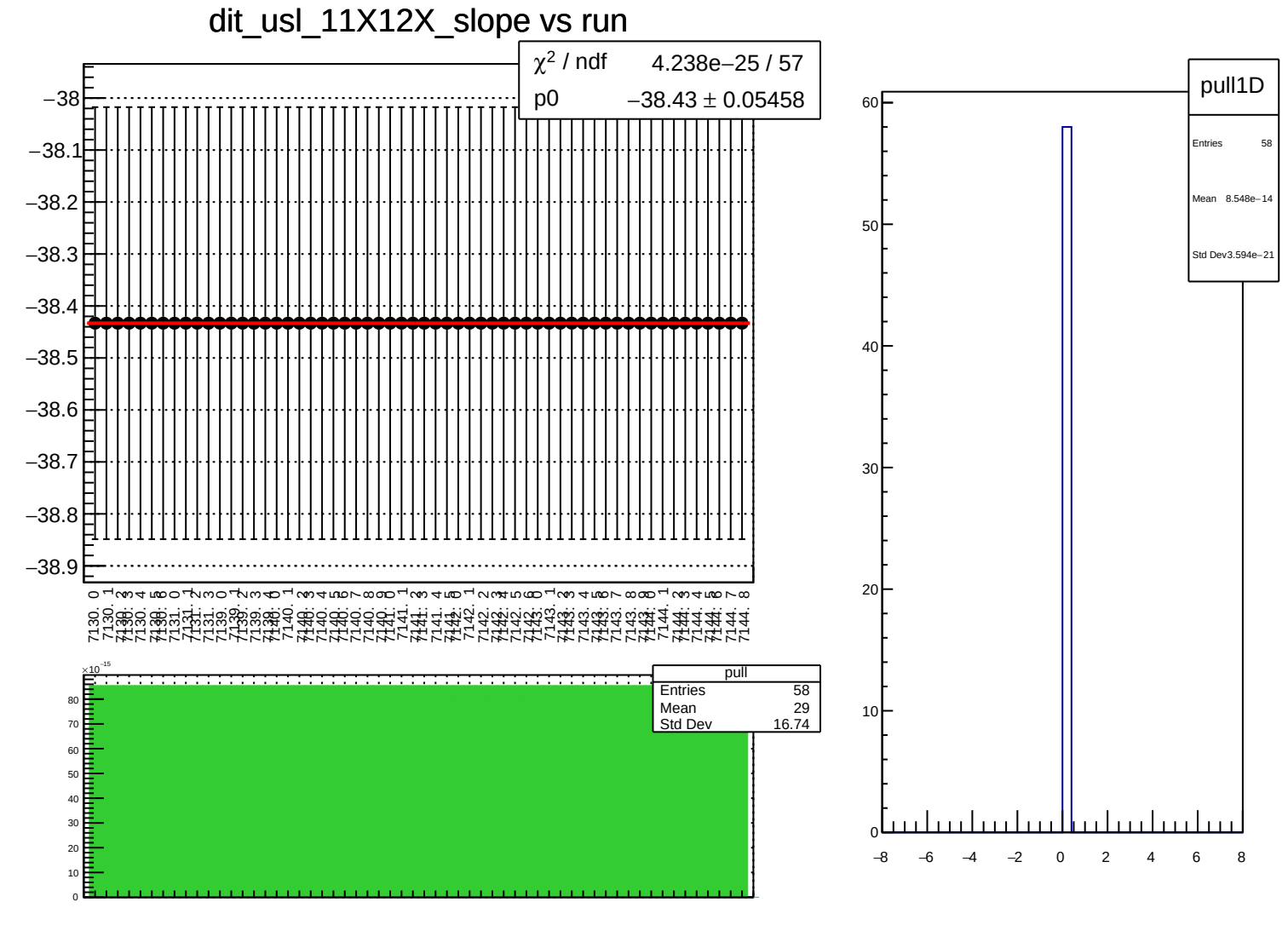

pull1D
Entries 58
Mean 0.006682
Std Dev 1.048

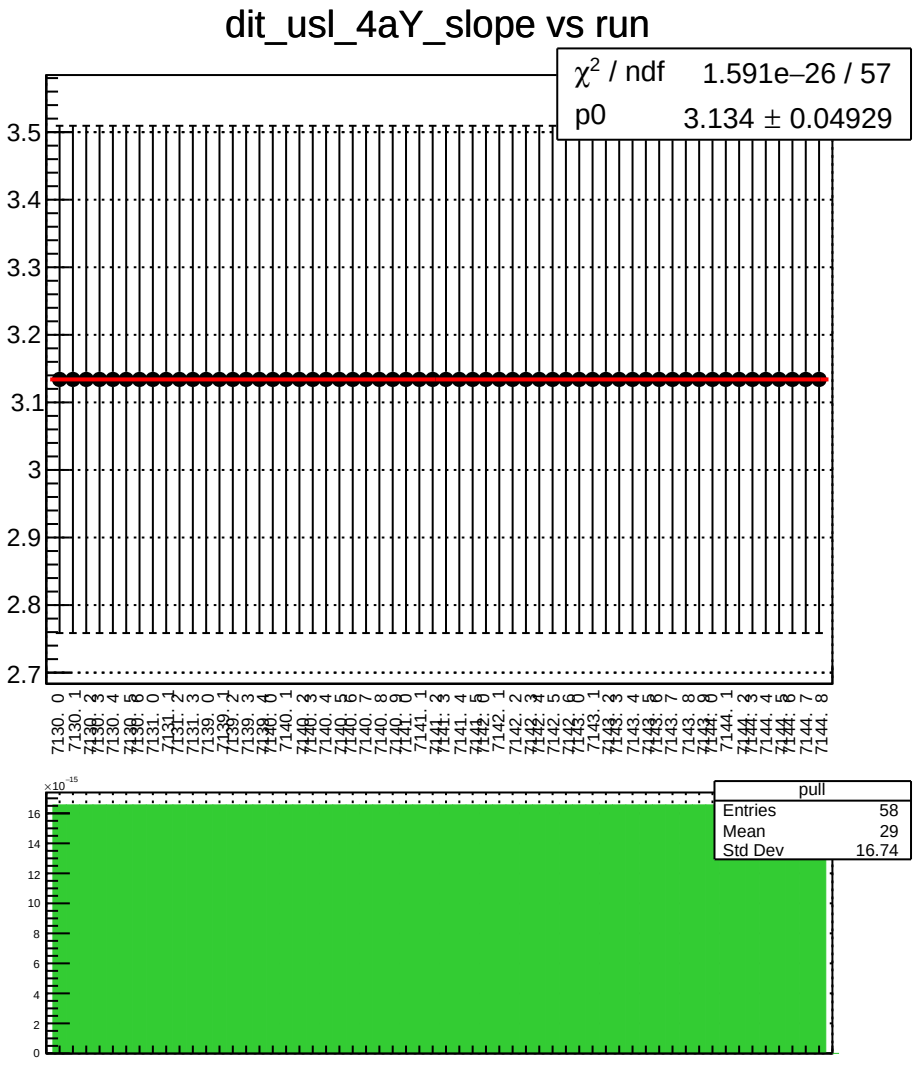

asym_sam_12345678_avg_rms vs run
χ² / ndf 8105 / 57
p0 461.4 ± 0.44
700
650
600
550
500
450
400

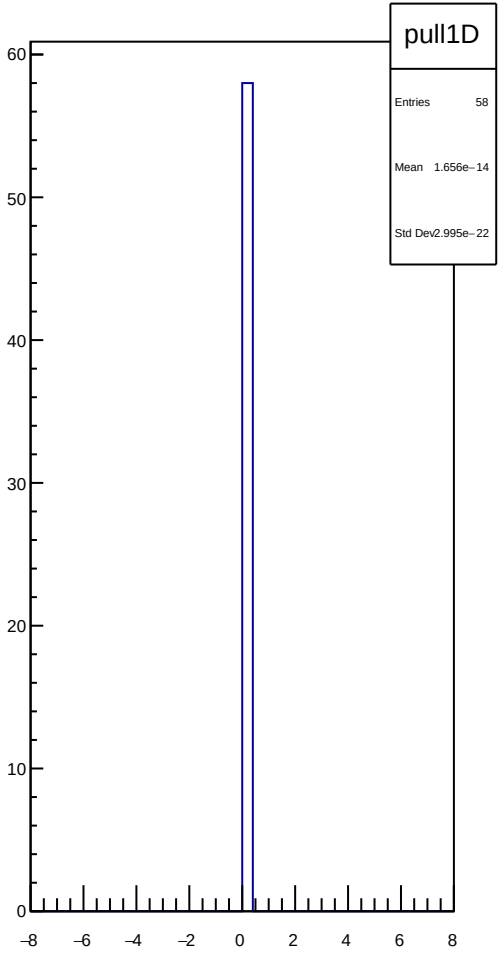

dit_usl_4aX_slope vs run
χ² / ndf 2.38e−24 / 57
p0 −99.6 ± 0.1566
−98.5
−99
−99.5
−100
−100.5
−101
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 58
Mean −2.025e−13
Std Dev8.638e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

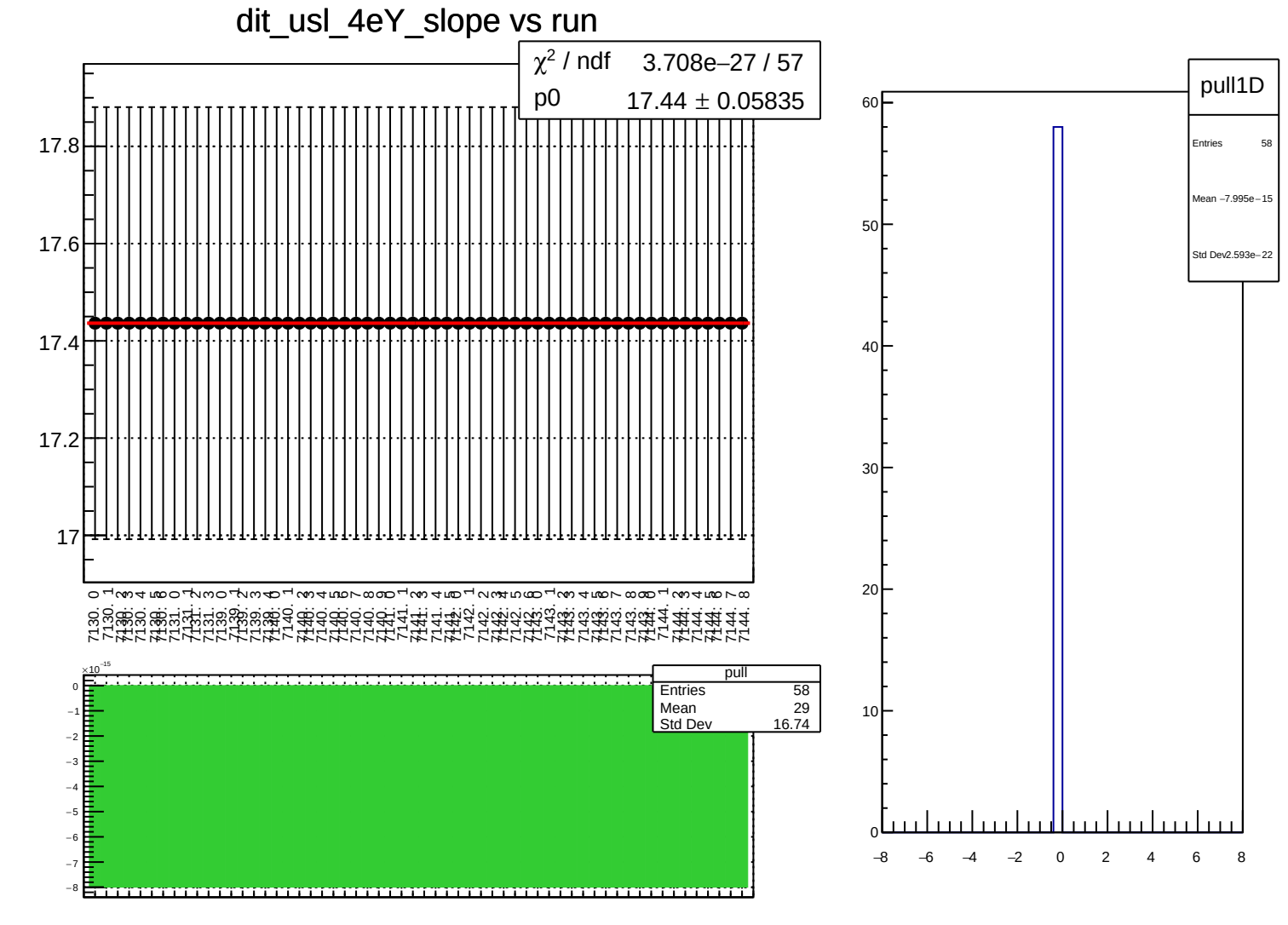

dit_usl_4eX_slope vs run
χ² / ndf 9.77e−26 / 57
p0 42.52 ± 0.1364
43.5
43
42.5
42
41.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

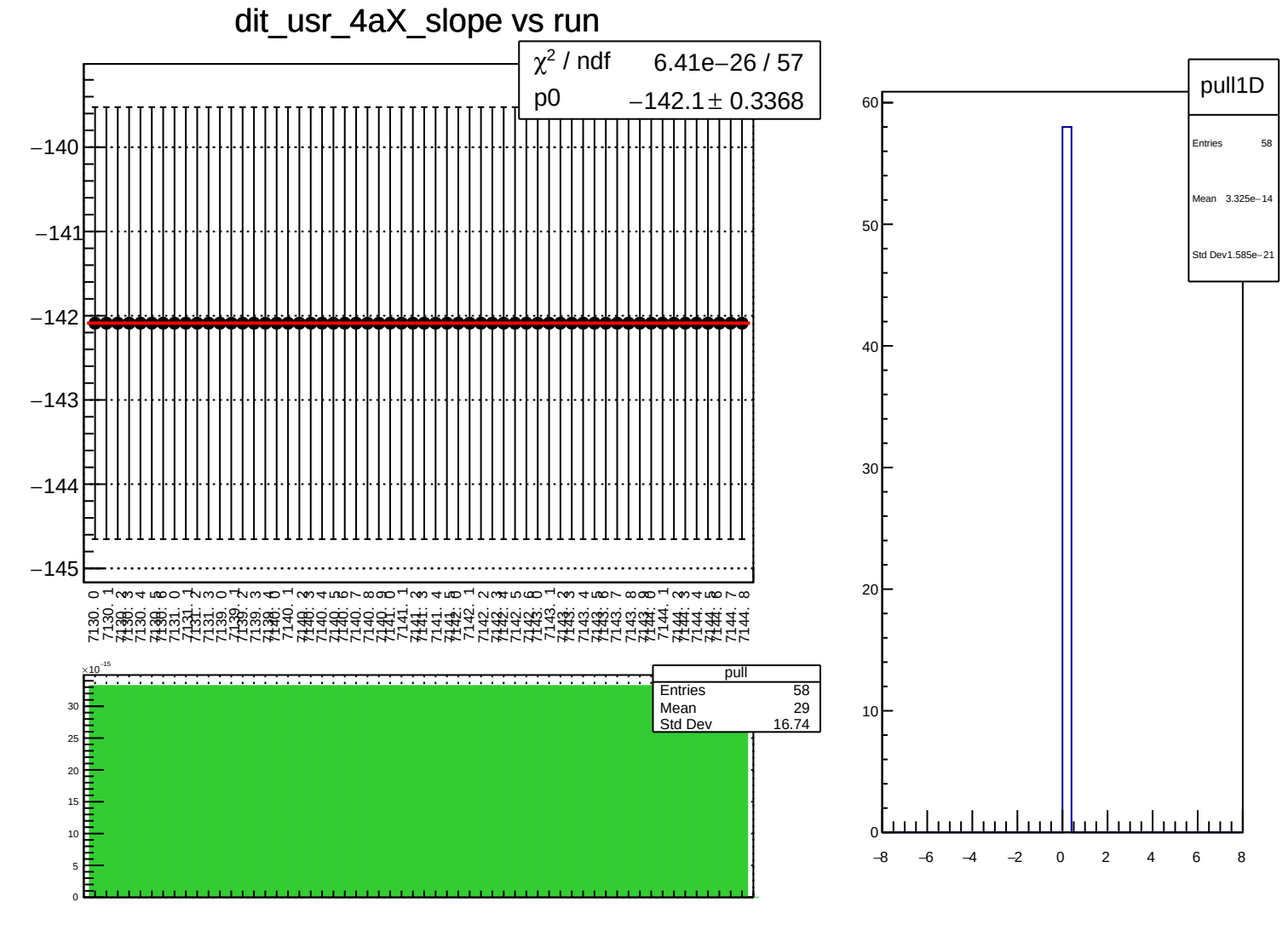

pull1D
Entries 58
Mean 4.104e−14
Std Dev 8.47e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

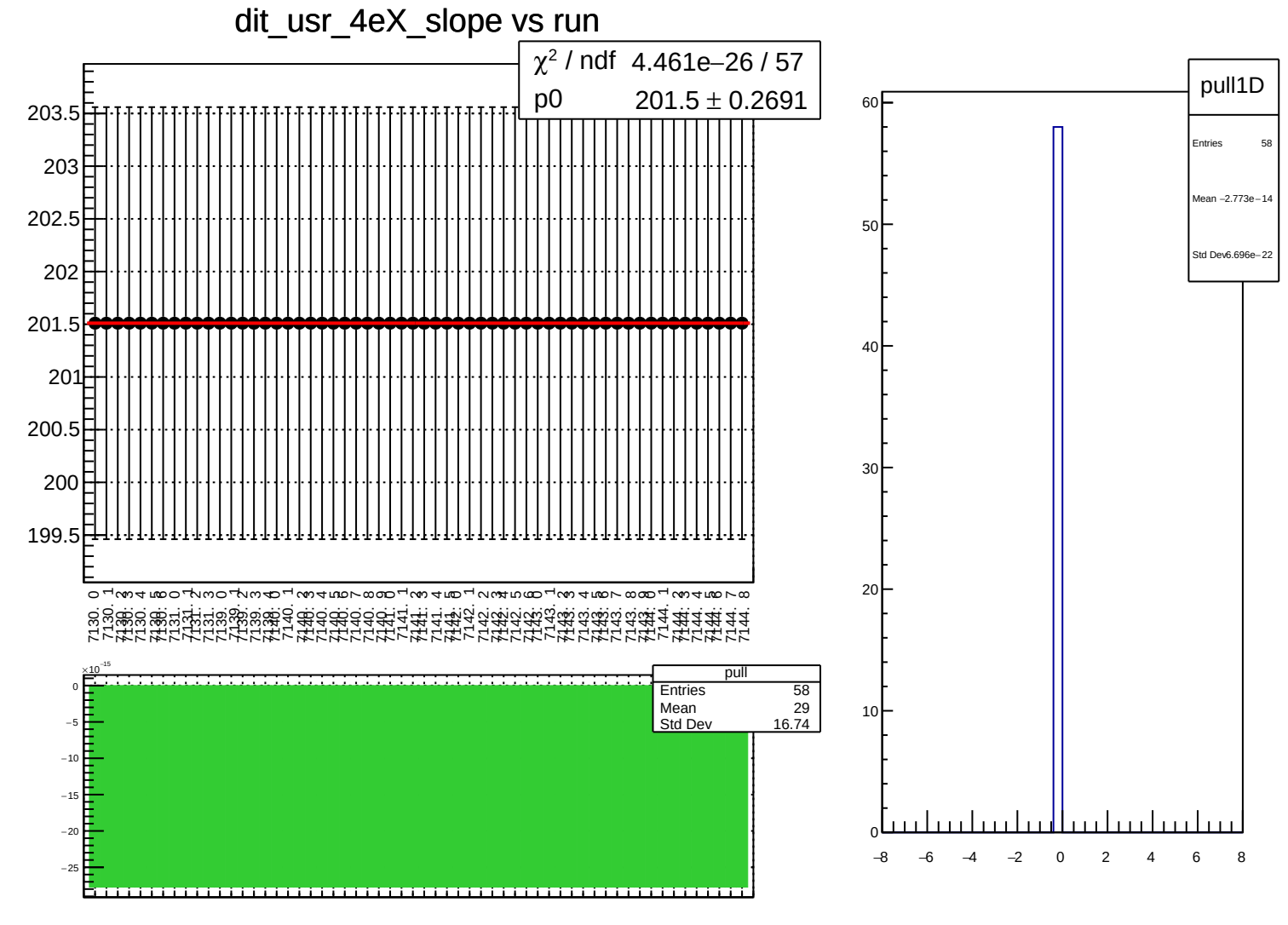

dit_usl_11X12X_slope vs run
χ² / ndf 4.238e−25 / 57
p0 −38.43 ± 0.05458
−38
−38.1
−38.2
−38.3
−38.4
−38.5
−38.6
−38.7
−38.8
−38.9
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
pull1D
Entries 58
Mean 8.548e−14
Std Dev3.594e−21

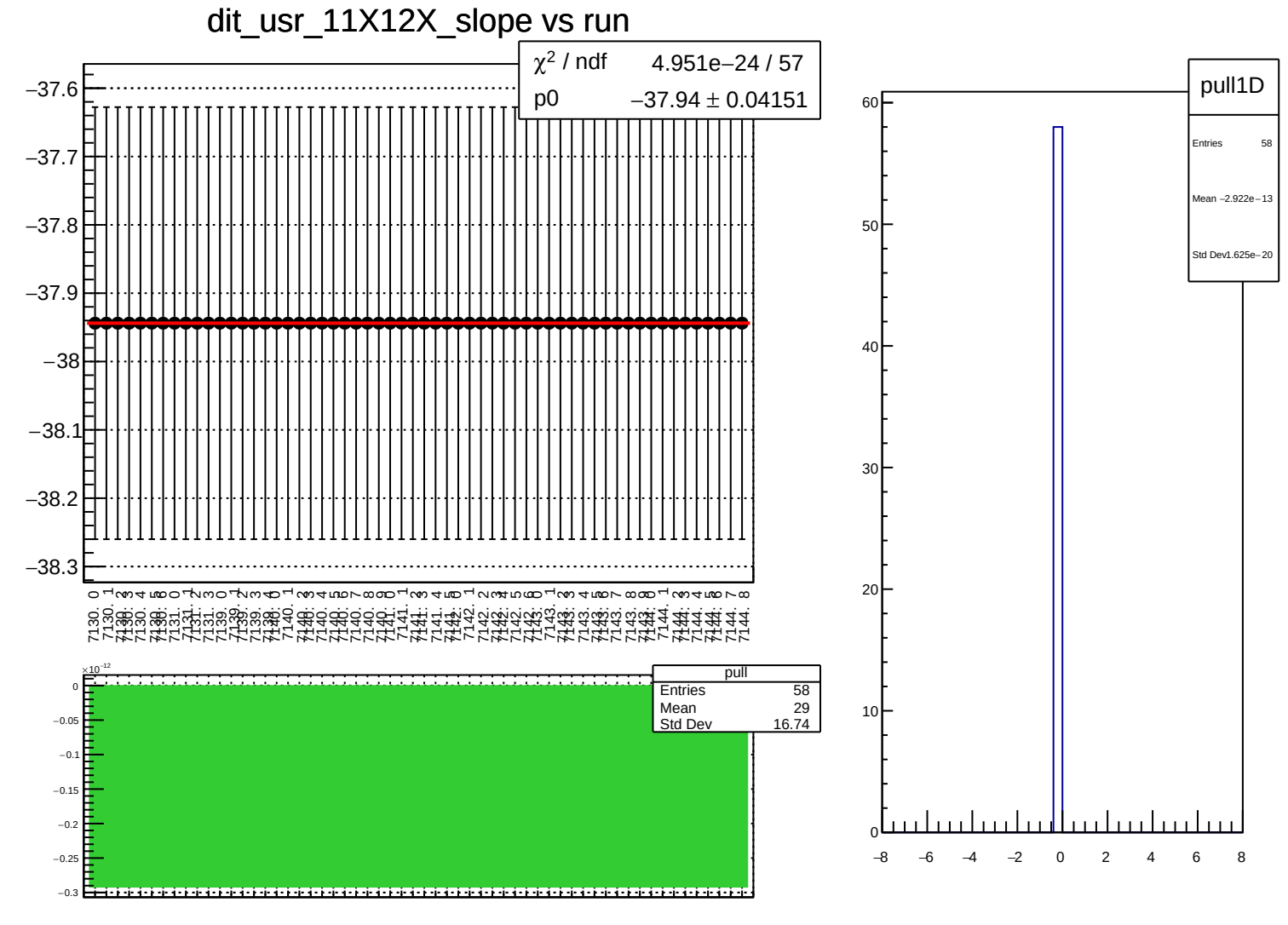

dit_usl_4aY_slope vs run
χ² / ndf 1.591e−26 / 57
p0 3.134 ± 0.04929
pull
Entries 58
Mean 29
Std Dev 16.74

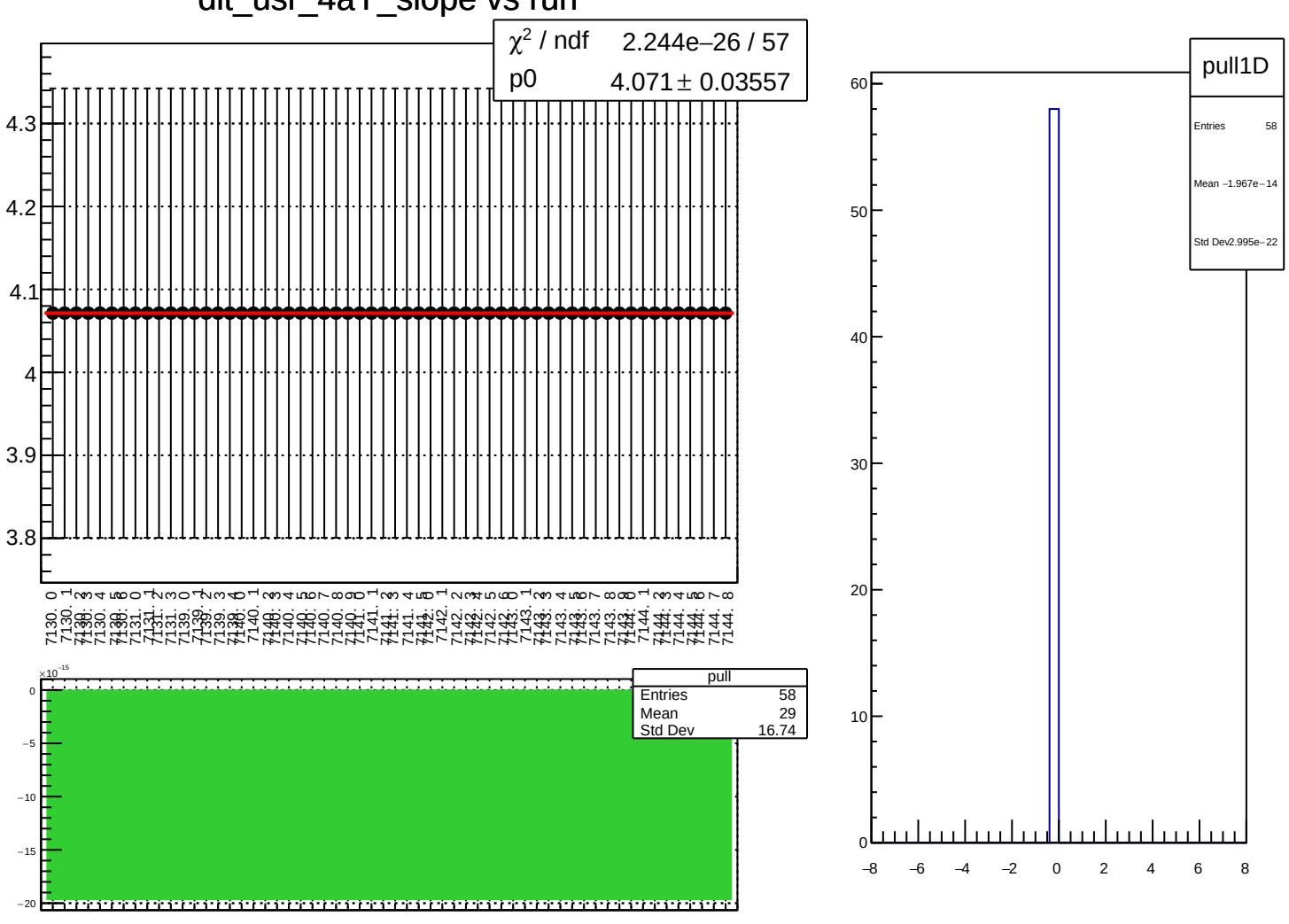

pull1D
Entries 58
Mean 1.656e−14
Std Dev 2.995e−22

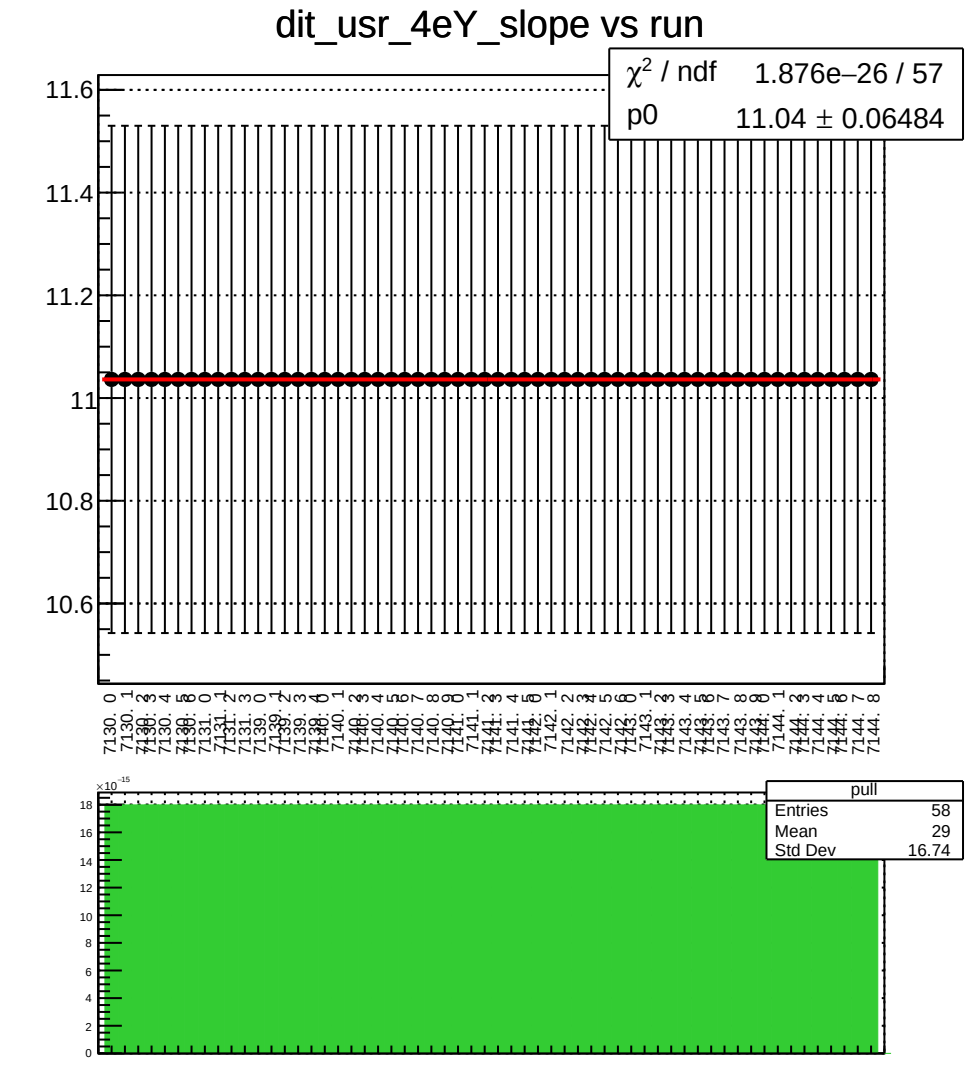

dit_usl_4eY_slope vs run
χ² / ndf 3.708e−27 / 57
p0 17.44 ± 0.05835
17.8
17.6
17.4
17.2
17
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
pull1D
Entries 58
Mean −7.995e−15
Std Dev 2.593e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

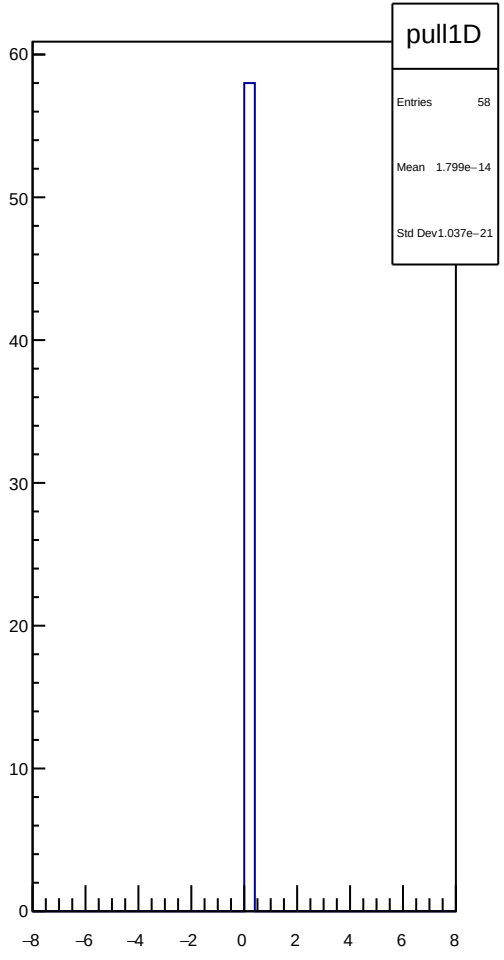

dit_usr_4aX_slope vs run
χ² / ndf 6.41e−26 / 57
p0 −142.1 ± 0.3368
−140
−141
−142
−143
−144
−145
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
pull1D
Entries 58
Mean 3.325e−14
Std Dev 1.585e−21

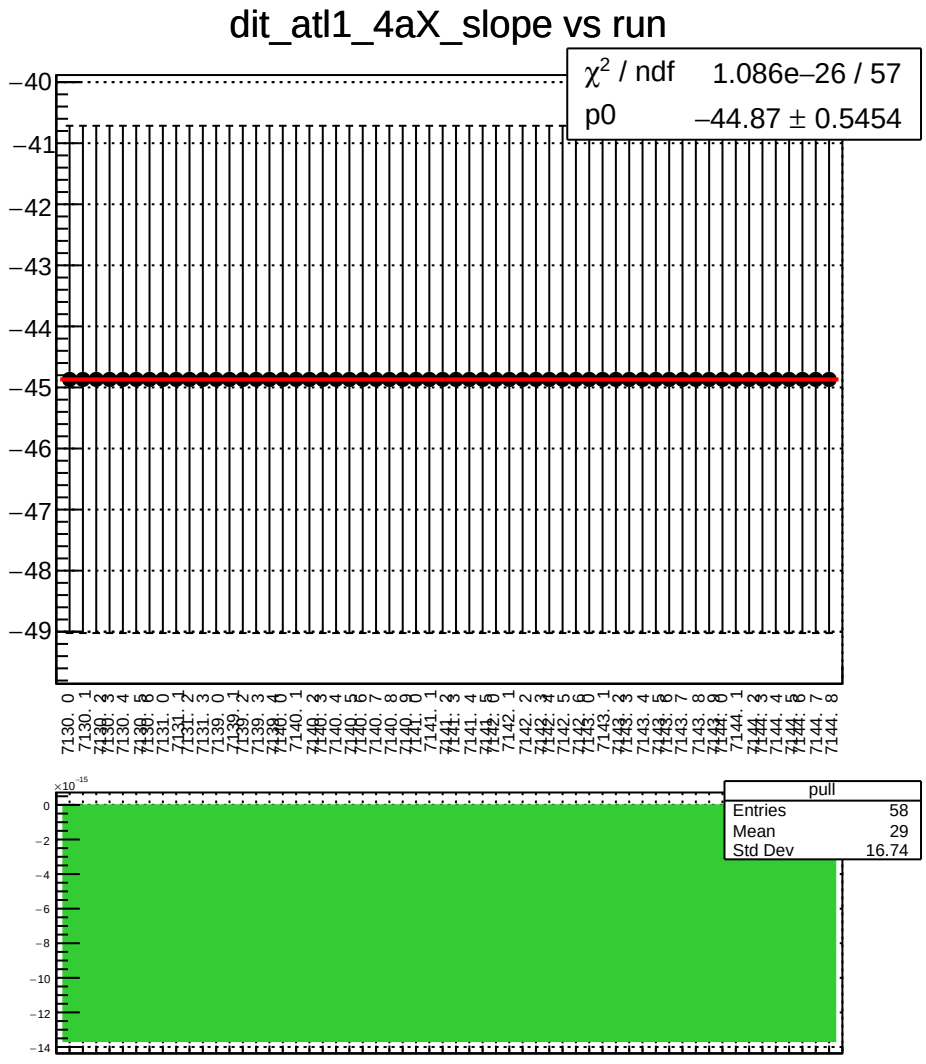

dit_usr_4eX_slope vs run
χ² / ndf 4.461e−26 / 57
p0 201.5 ± 0.2691
203.5
203
202.5
202
201.5
201
200.5
200
199.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 58
Mean −2.773e−14
Std Dev 6.696e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

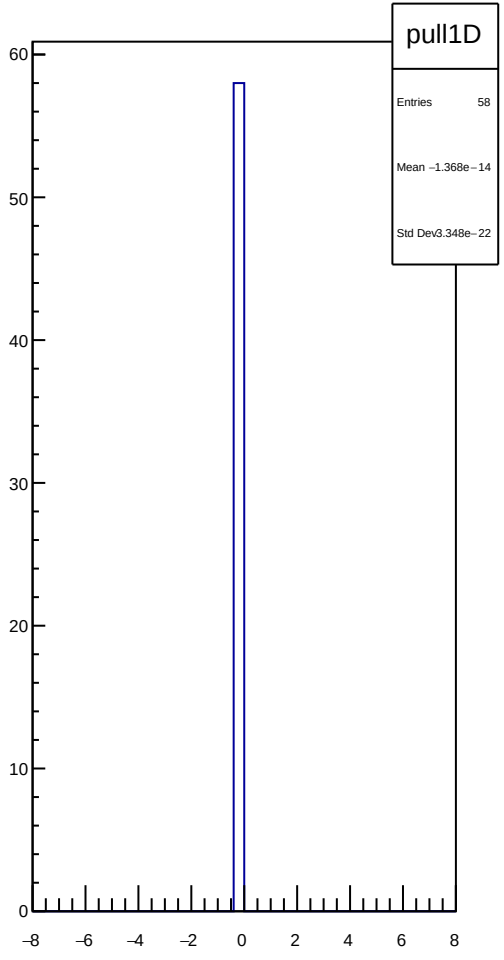

dit_usr_11X12X_slope vs run
χ² / ndf 4.951e−24 / 57
p0 −37.94 ± 0.04151
−37.6
−37.7
−37.8
−37.9
−38
−38.1
−38.2
−38.3
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 58
Mean −2.922e−13
Std Dev1.625e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

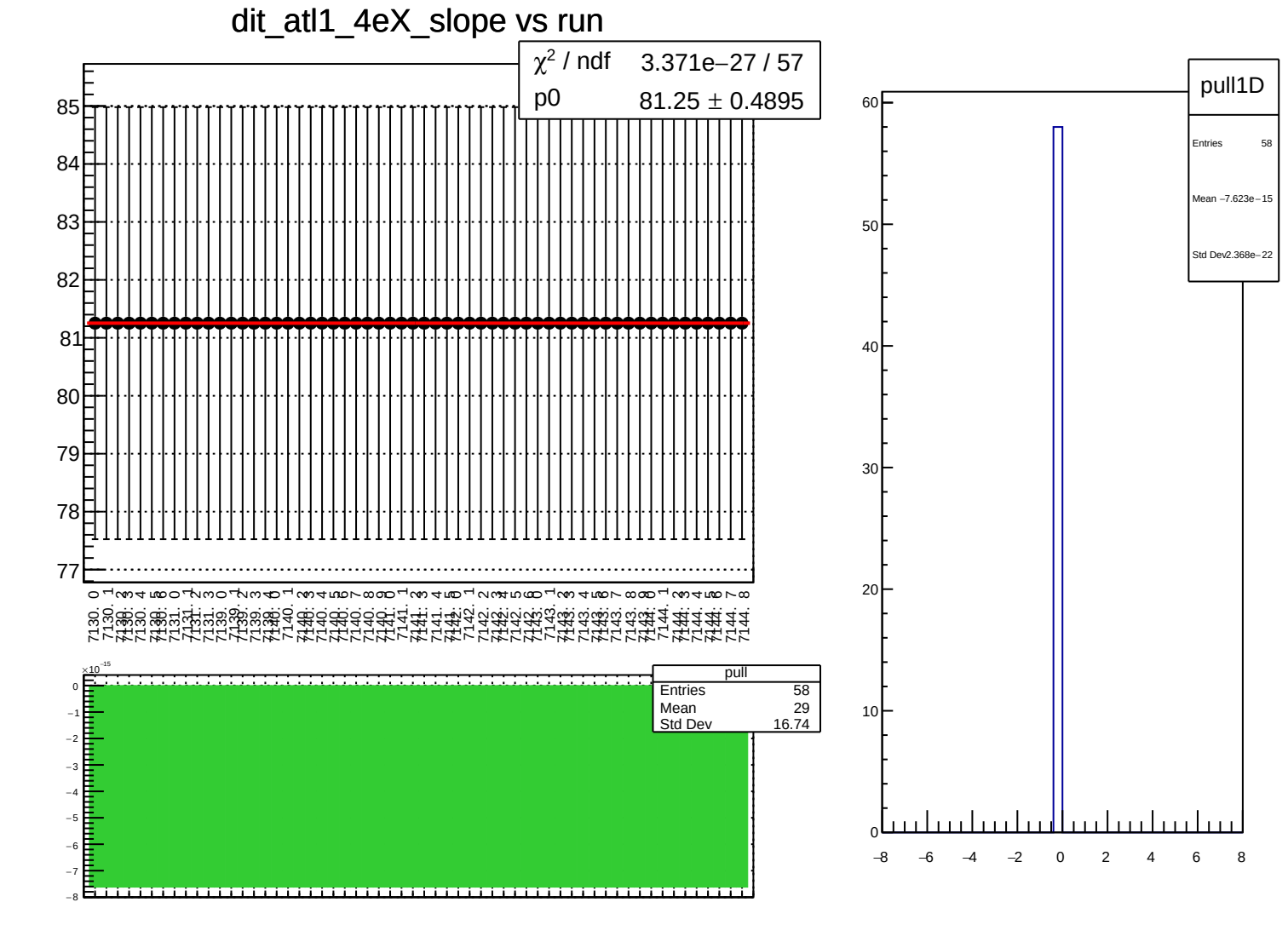

dit_usr_4aY_slope vs run
χ² / ndf 2.244e−26 / 57
p0 4.071 ± 0.03557
4.3
4.2
4.1
4
3.9
3.8
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 58
Mean −1.967e−14
Std Dev 2.995e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

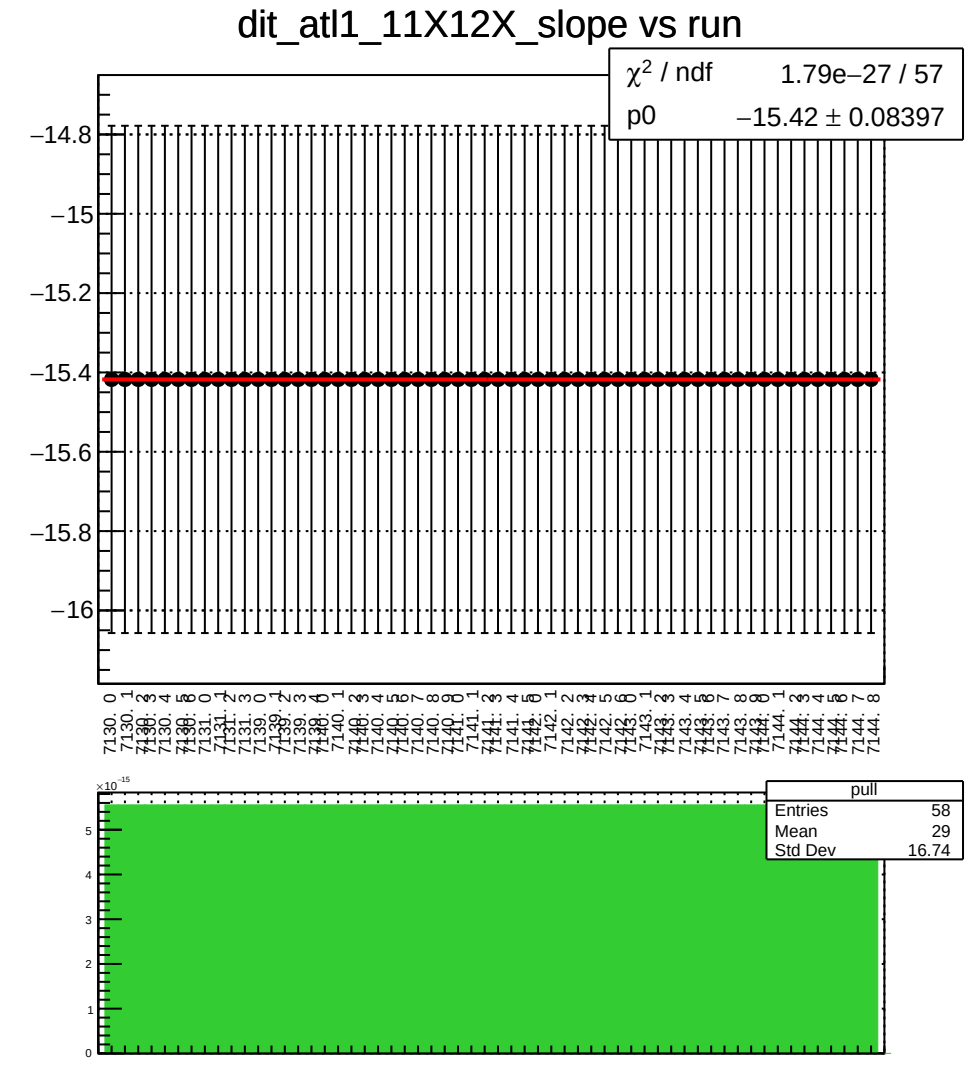

dit_usr_4eY_slope vs run
χ² / ndf 1.876e−26 / 57
p0 11.04 ± 0.06484
11.6
11.4
11.2
11
10.8
10.6
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

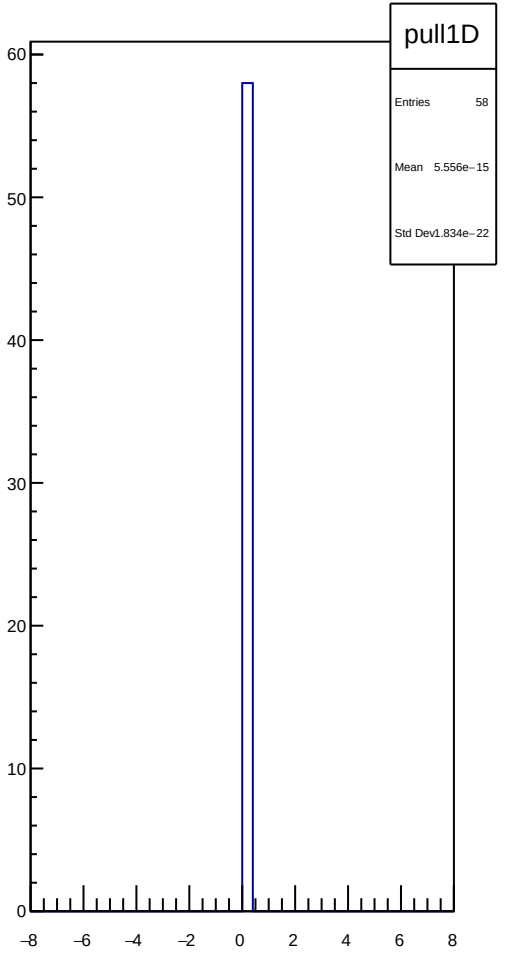

pull1D
Entries 58
Mean 1.799e−14
Std Dev1.037e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

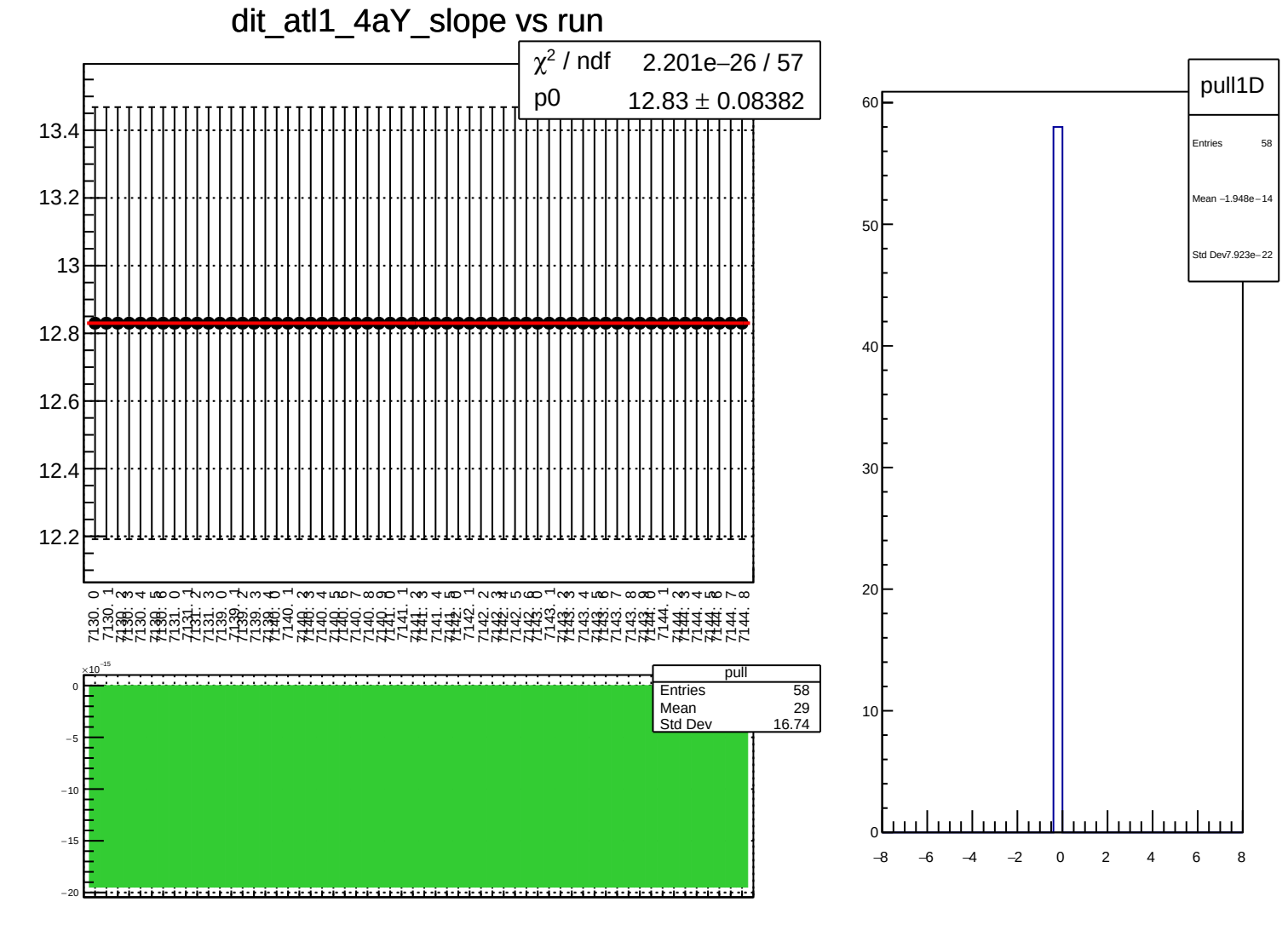

dit_atl1_4aX_slope vs run
χ² / ndf 1.086e−26 / 57
p0 −44.87 ± 0.5454
pull
Entries 58
Mean 29
Std Dev 16.74

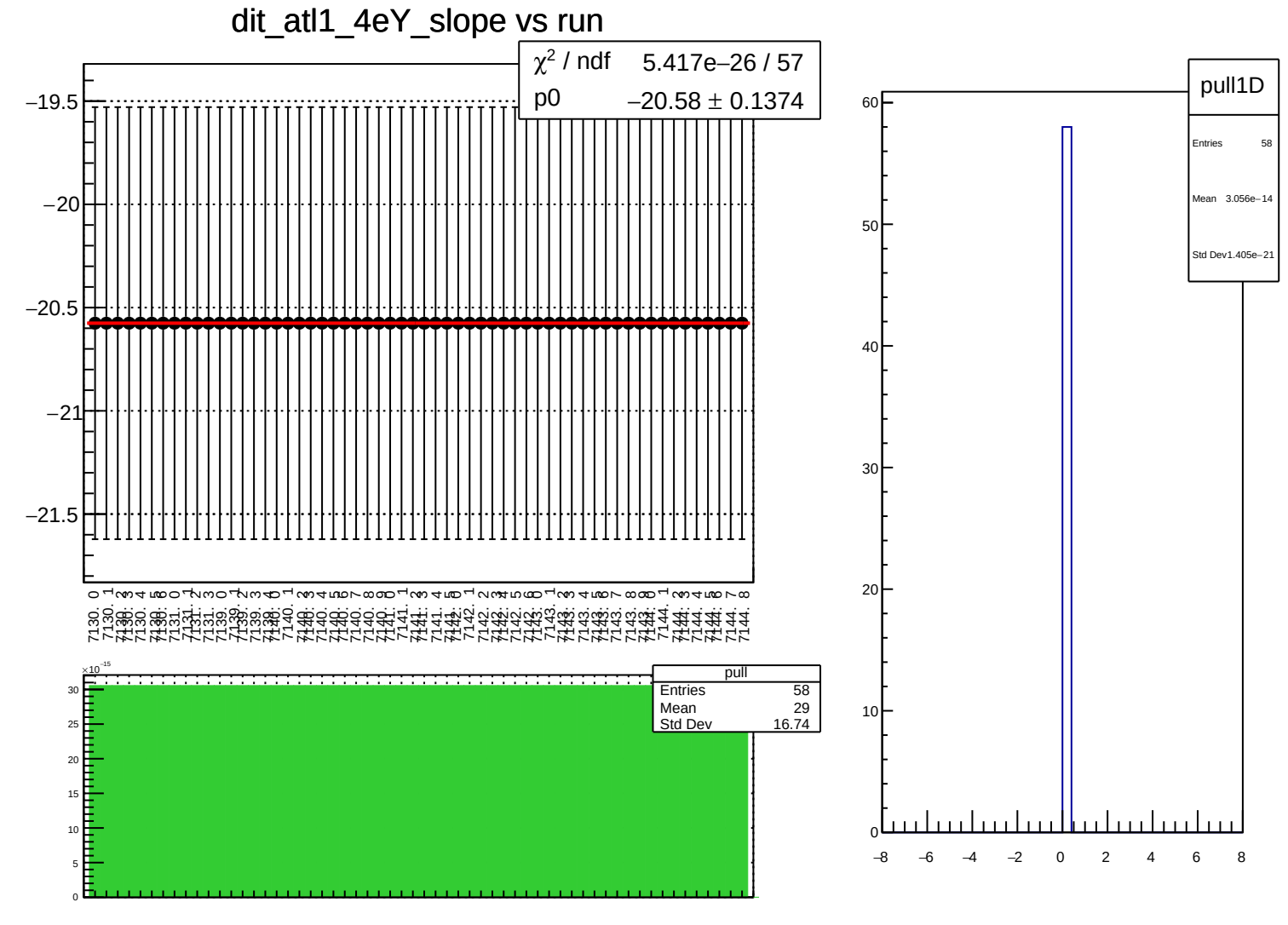

pull1D
Entries 58
Mean −1.368e−14
Std Dev3.348e−22

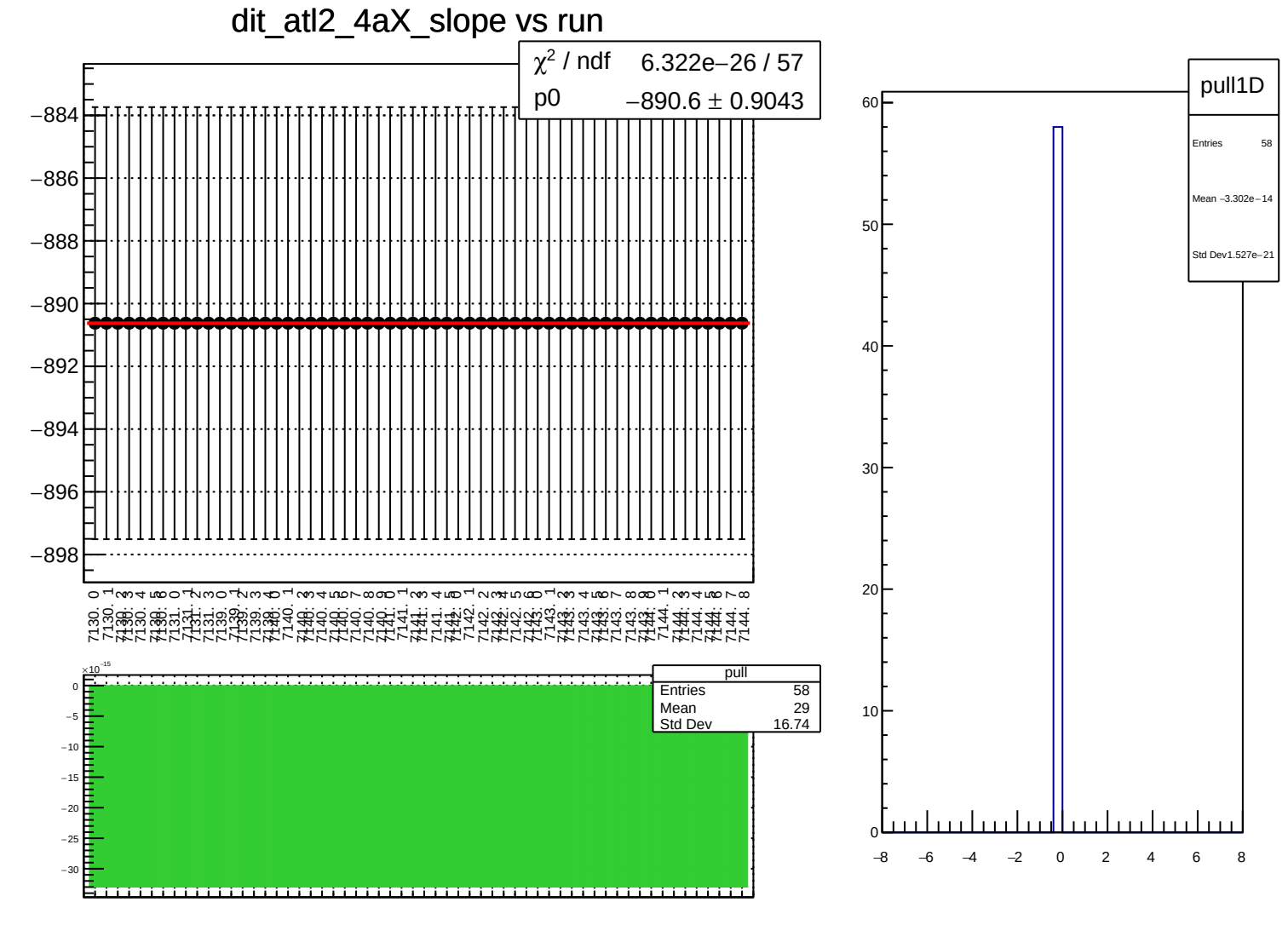

dit_atl1_4eX_slope vs run
χ² / ndf 3.371e−27 / 57
p0 81.25 ± 0.4895
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −7.623e−15
Std Dev 2.368e−22

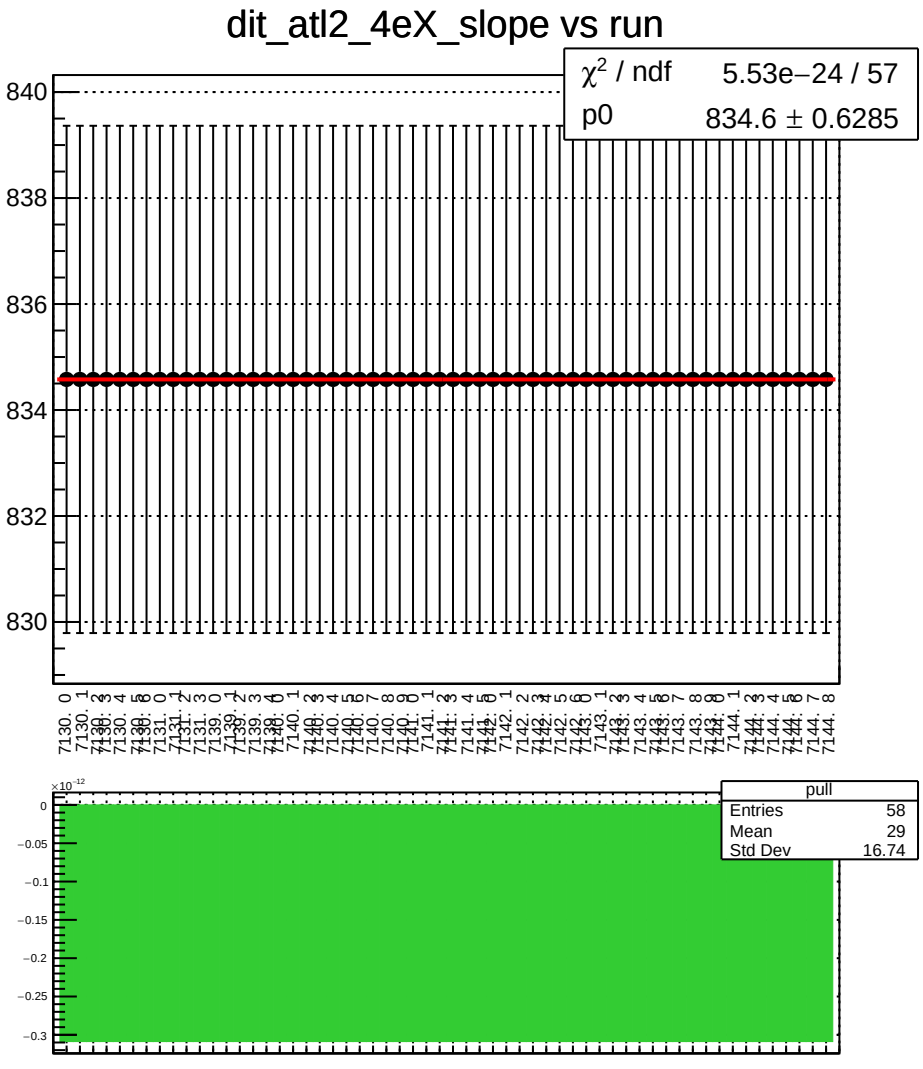

dit_atl1_11X12X_slope vs run
χ² / ndf 1.79e−27 / 57
p0 −15.42 ± 0.08397
−14.8
−15
−15.2
−15.4
−15.6
−15.8
−16
×10⁻¹⁵
pull
Entries 58
Mean 29
Std Dev 16.74
0
1
2
3
4
5

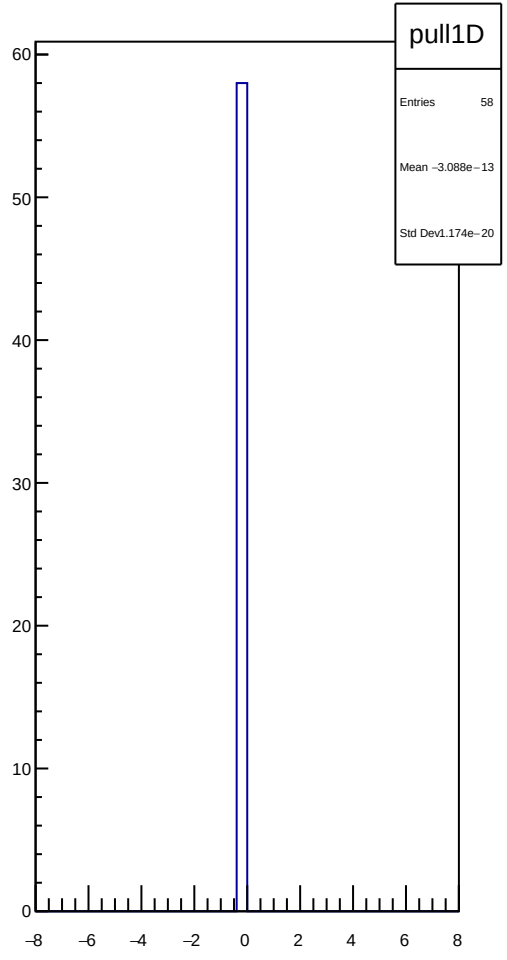

pull1D
Entries 58
Mean 5.556e−15
Std Dev1.834e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

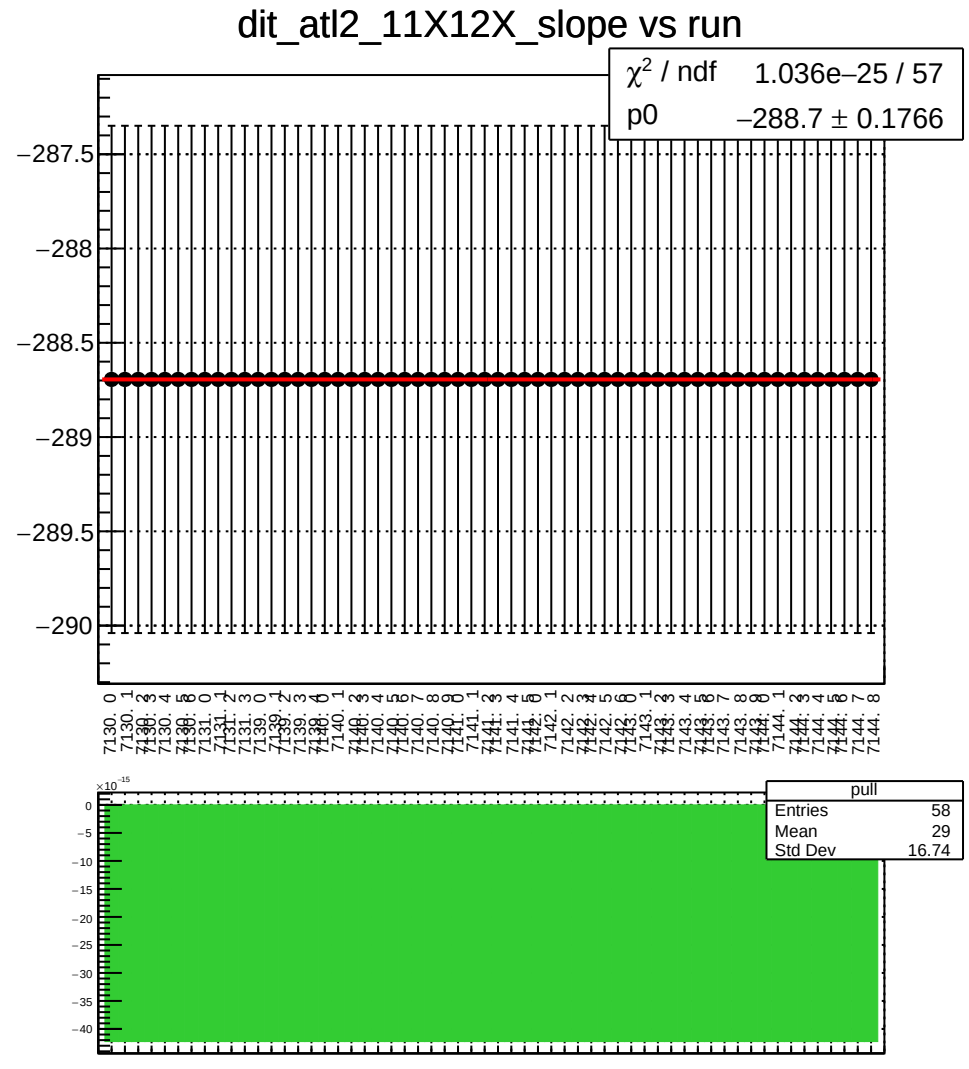

dit_atl1_4aY_slope vs run
χ² / ndf 2.201e−26 / 57
p0 12.83 ± 0.08382
13.4
13.2
13
12.8
12.6
12.4
12.2
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 58
Mean −1.948e−14
Std Dev7.923e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

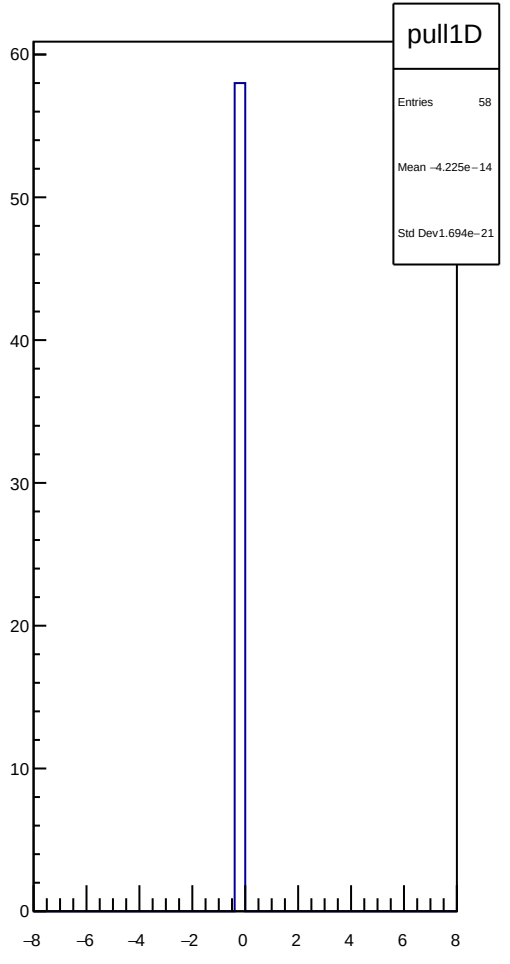

dit_atl1_4eY_slope vs run
χ² / ndf 5.417e−26 / 57
p0 −20.58 ± 0.1374
−19.5
−20
−20.5
−21
−21.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
pull1D
Entries 58
Mean 3.056e−14
Std Dev1.405e−21

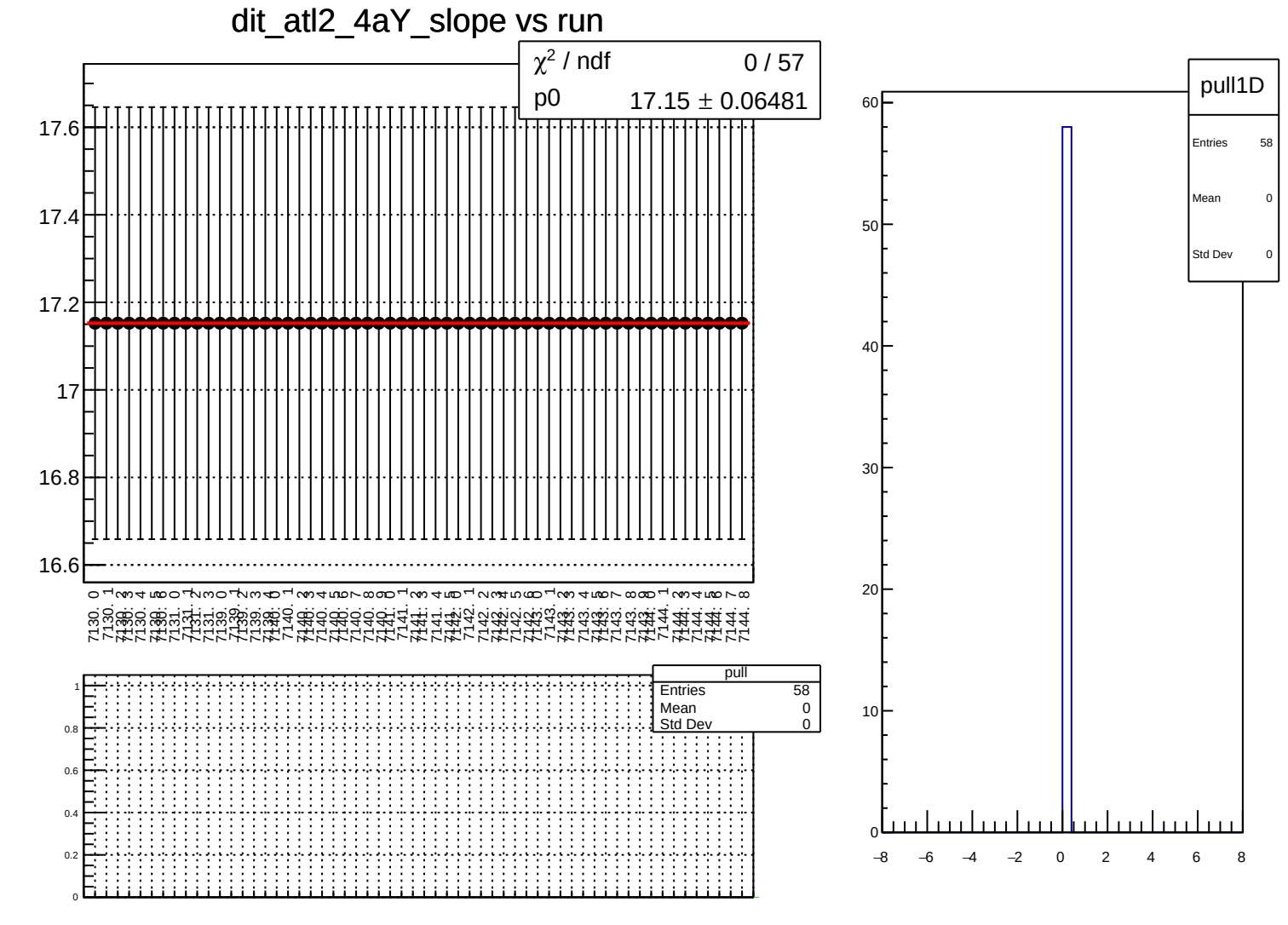

dit_atl2_4aX_slope vs run
χ² / ndf 6.322e−26 / 57
p0 −890.6 ± 0.9043
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −3.302e−14
Std Dev1.527e−21

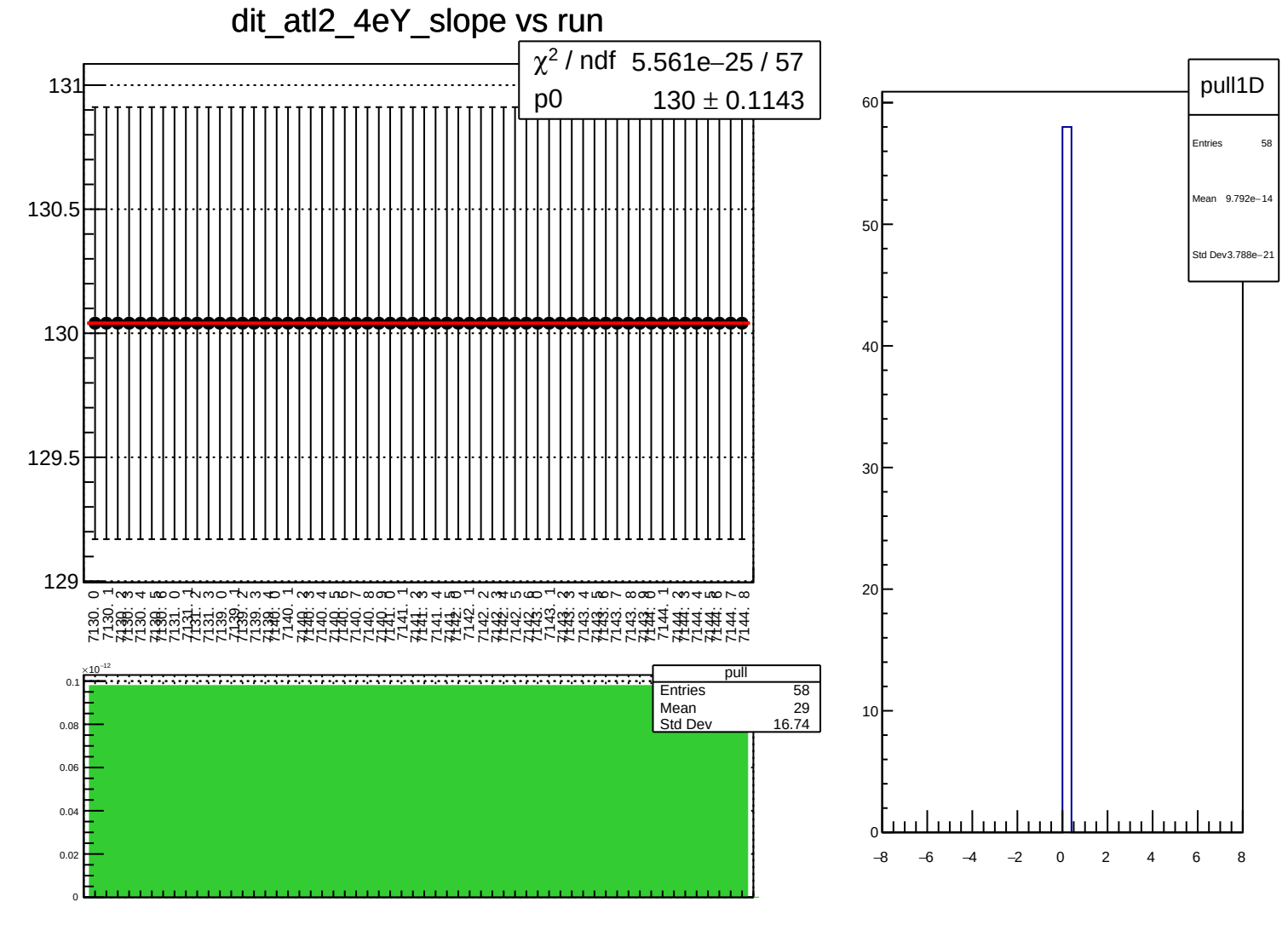

dit_atl2_4eX_slope vs run
χ² / ndf 5.53e−24 / 57
p0 834.6 ± 0.6285
840
838
836
834
832
830
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

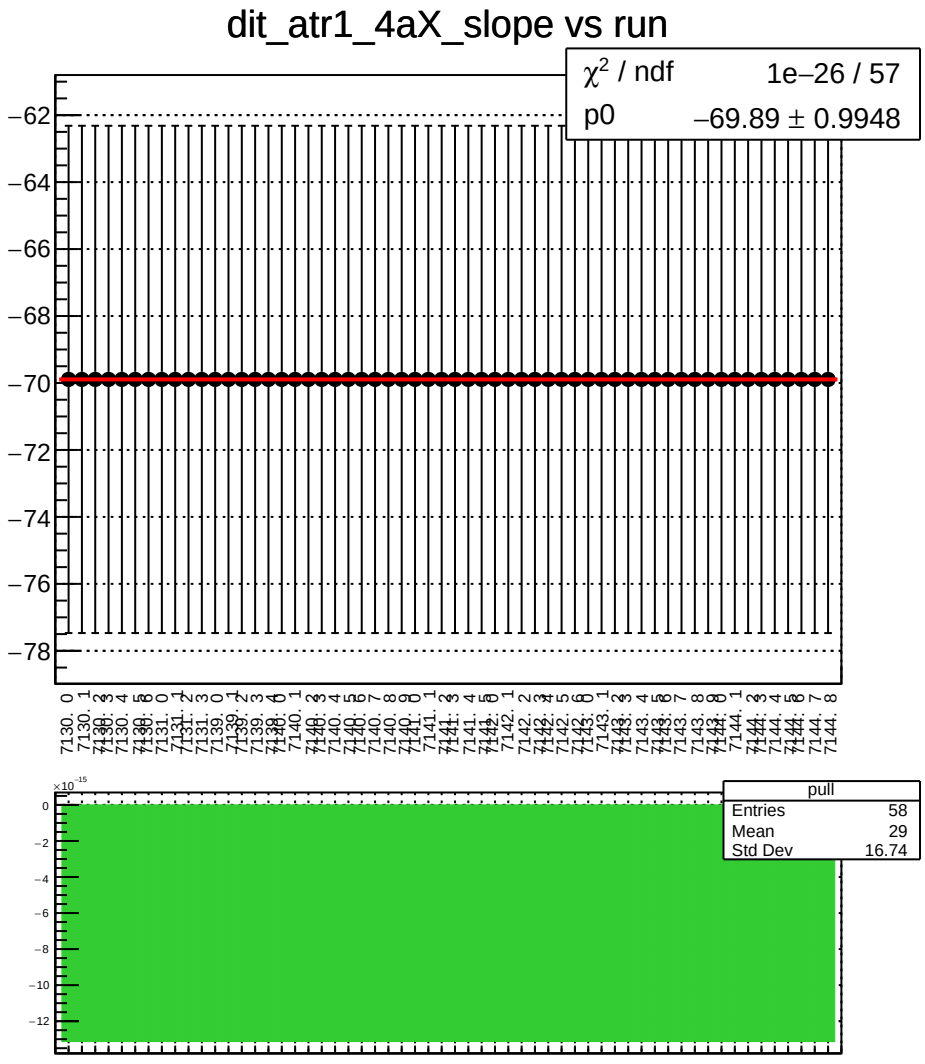

pull1D
Entries 58
Mean −3.088e−13
Std Dev1.174e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

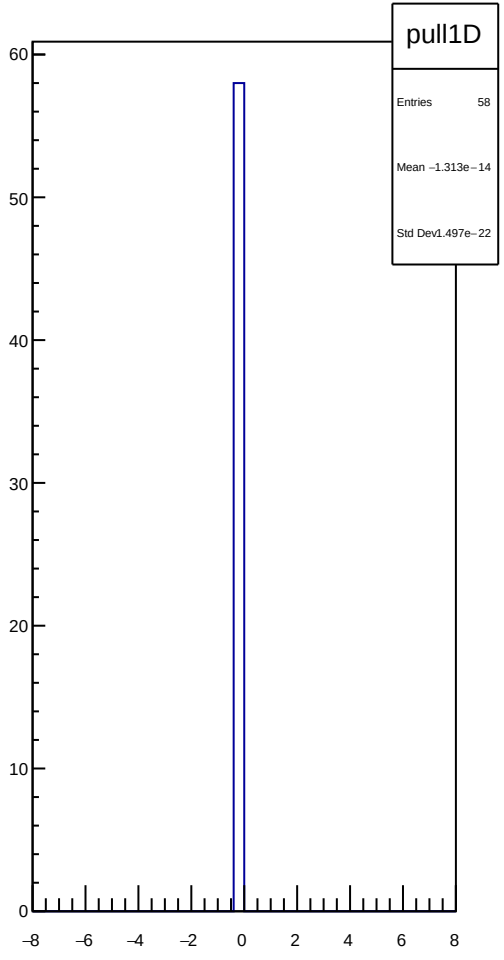

dit_atl2_11X12X_slope vs run
χ² / ndf 1.036e−25 / 57
p0 −288.7 ± 0.1766
−287.5
−288
−288.5
−289
−289.5
−290
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

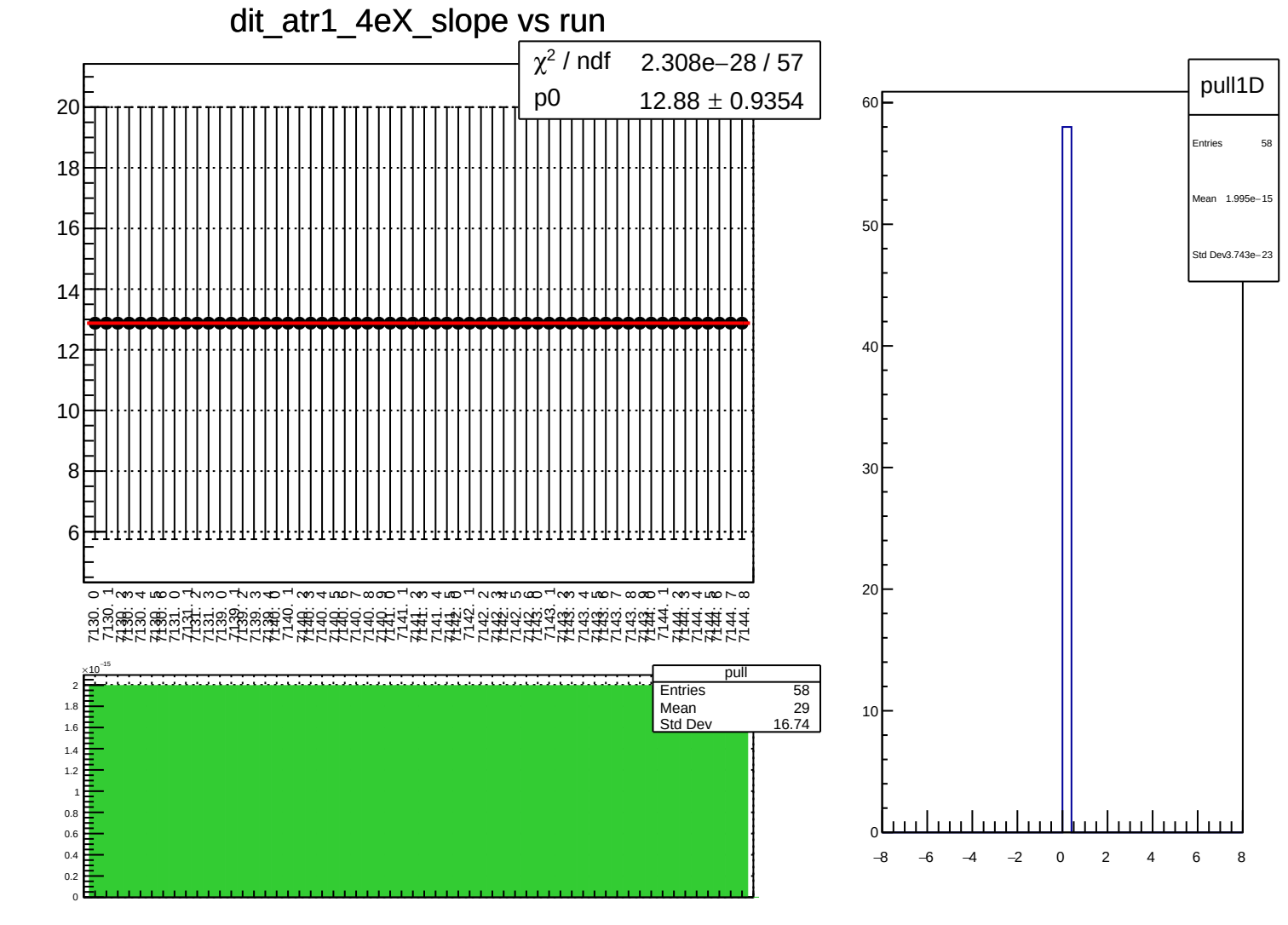

pull1D
Entries 58
Mean −4.225e−14
Std Dev 1.694e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

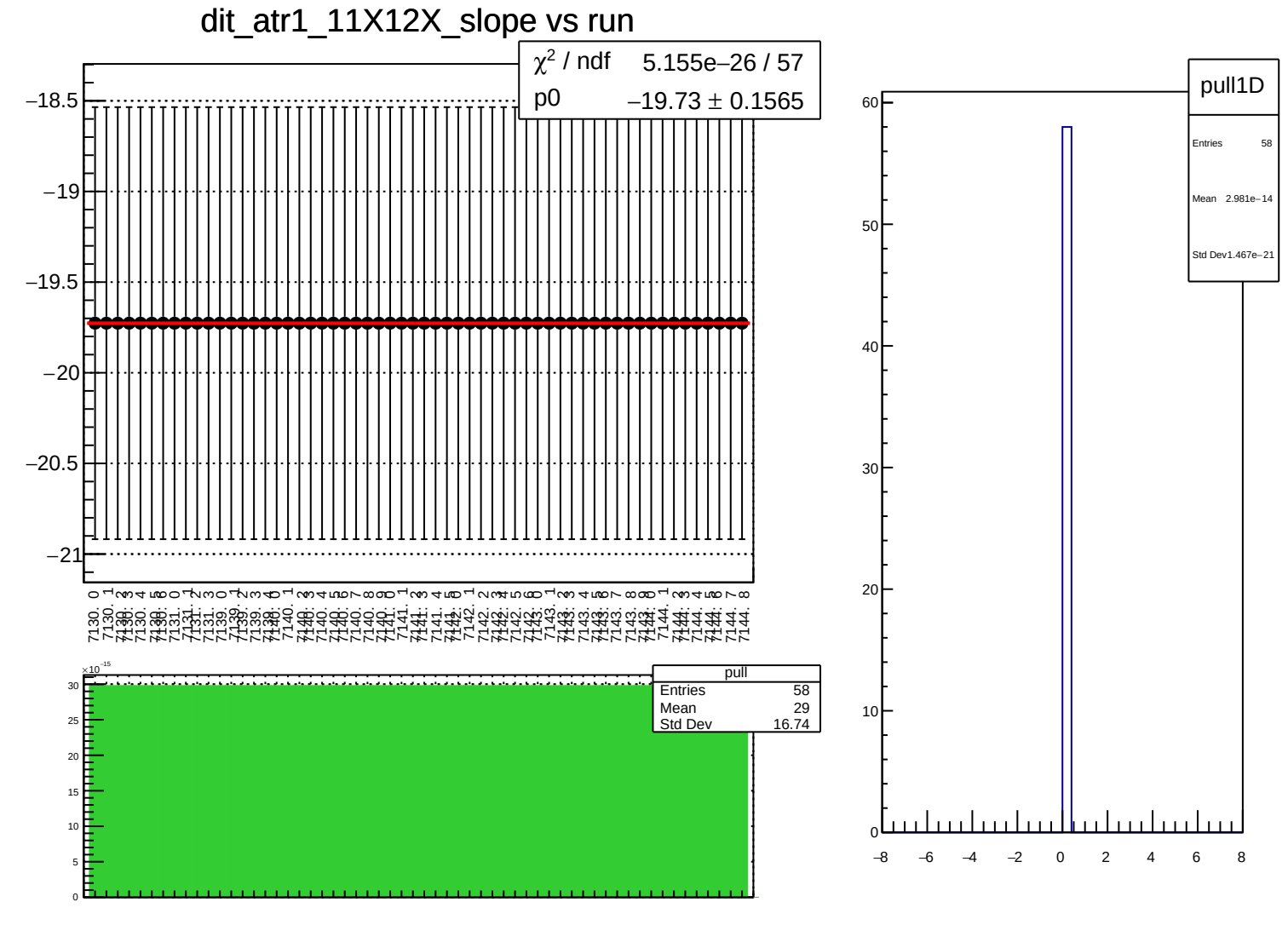

dit_atl2_4aY_slope vs run
χ² / ndf 0 / 57
p0 17.15 ± 0.06481
17.6
17.4
17.2
17
16.8
16.6
pull
Entries 58
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 58
Mean 0
Std Dev 0
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

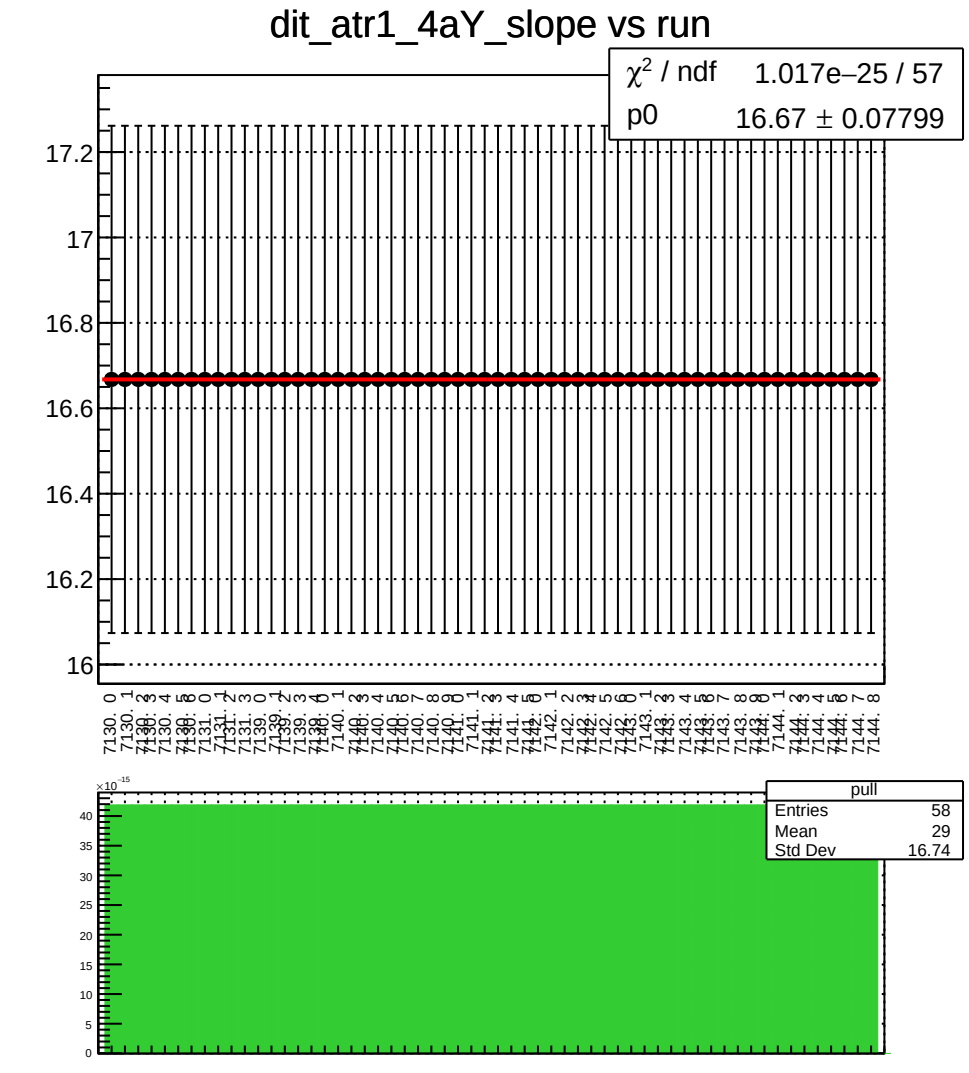

dit_atl2_4eY_slope vs run
χ² / ndf 5.561e−25 / 57
p0 130 ± 0.1143
131
130.5
130
129.5
129
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 9.792e−14
Std Dev3.788e−21

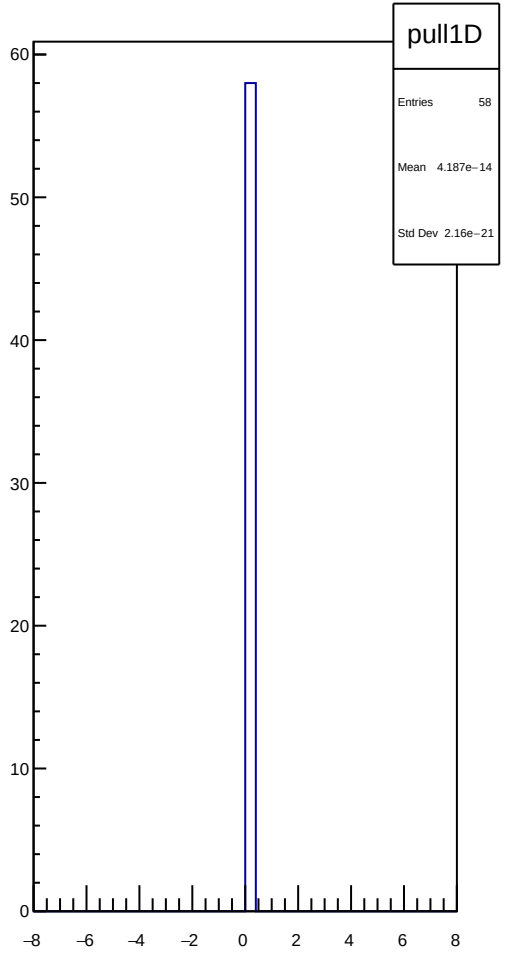

dit_atr1_4aX_slope vs run
χ² / ndf 1e−26 / 57
p0 −69.89 ± 0.9948
pull
Entries 58
Mean 29
Std Dev 16.74

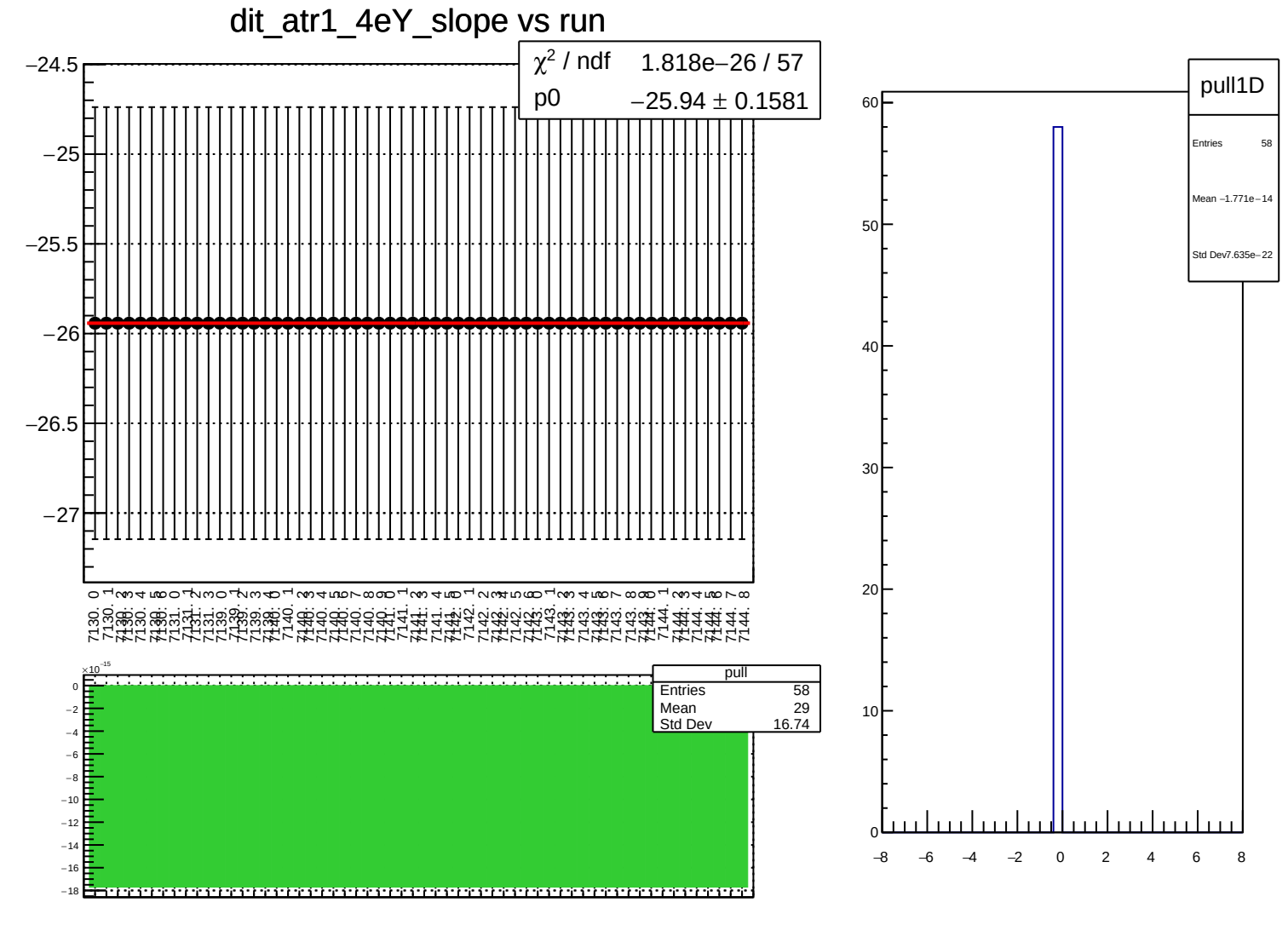

pull1D
Entries 58
Mean −1.313e−14
Std Dev1.497e−22

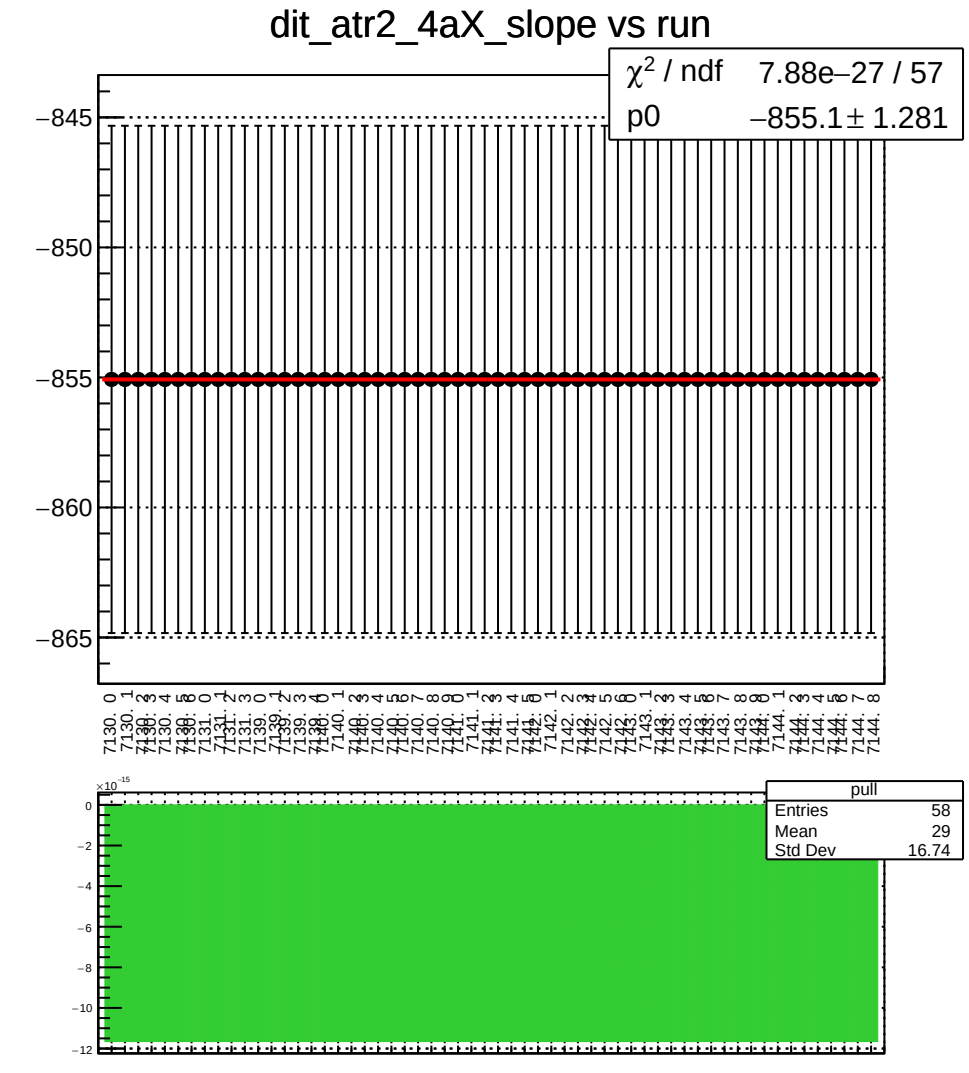

dit_atr1_4eX_slope vs run
χ² / ndf 2.308e−28 / 57
p0 12.88 ± 0.9354
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 1.995e−15
Std Dev 3.743e−23

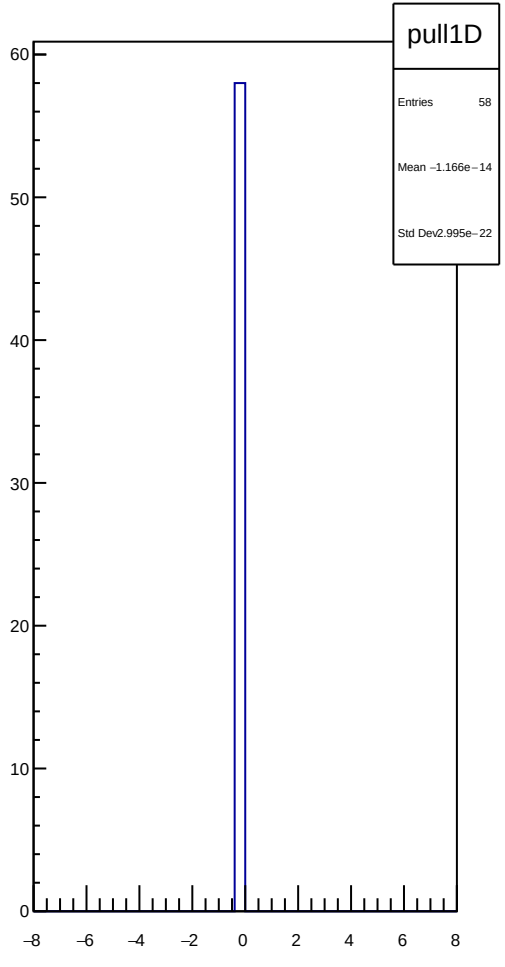

dit_atr1_11X12X_slope vs run
χ² / ndf 5.155e−26 / 57
p0 −19.73 ± 0.1565
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
pull1D
Entries 58
Mean 2.981e−14
Std Dev 1.467e−21

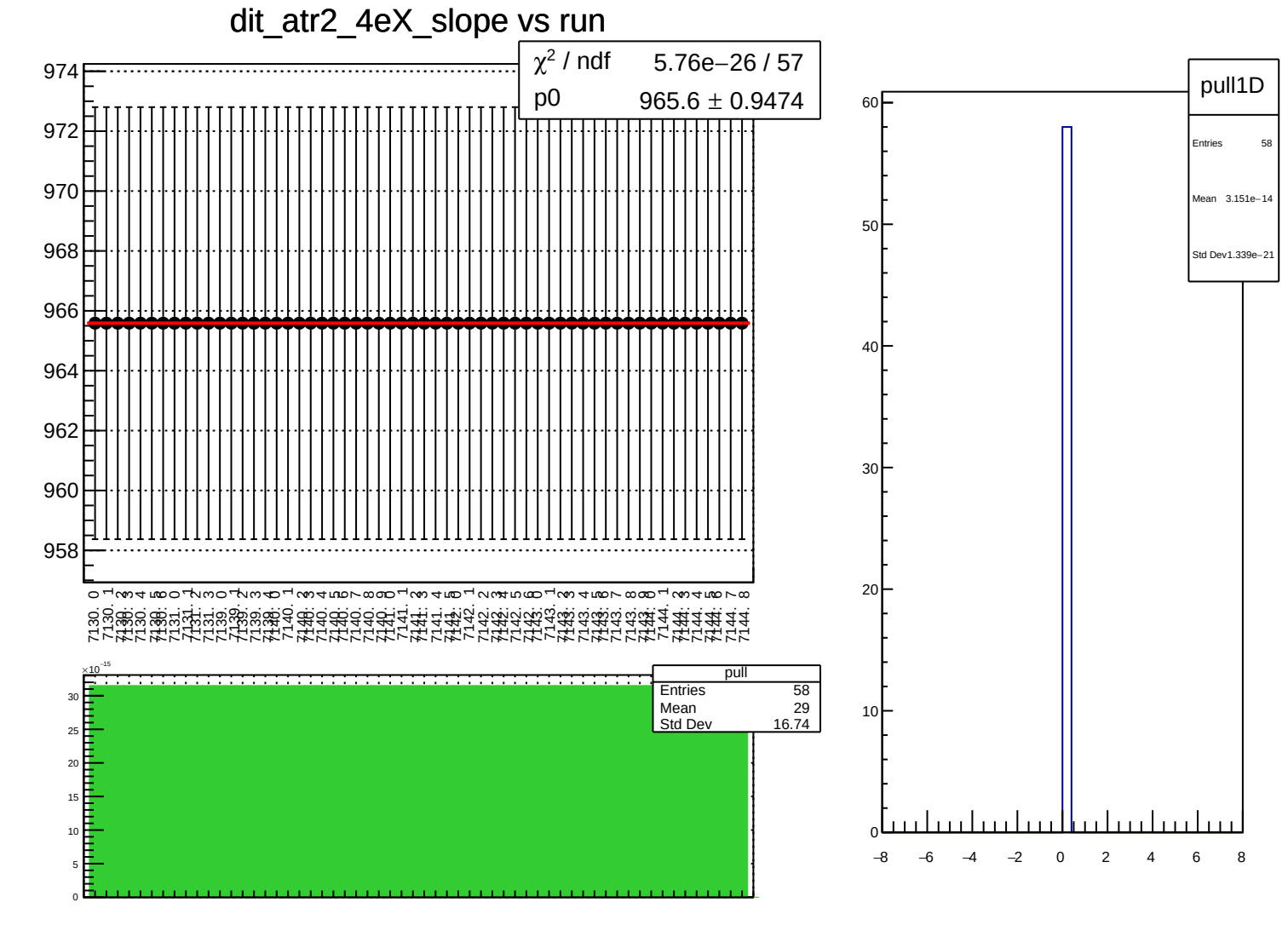

dit_atr1_4aY_slope vs run
χ² / ndf 1.017e−25 / 57
p0 16.67 ± 0.07799
17.2
17
16.8
16.6
16.4
16.2
16
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

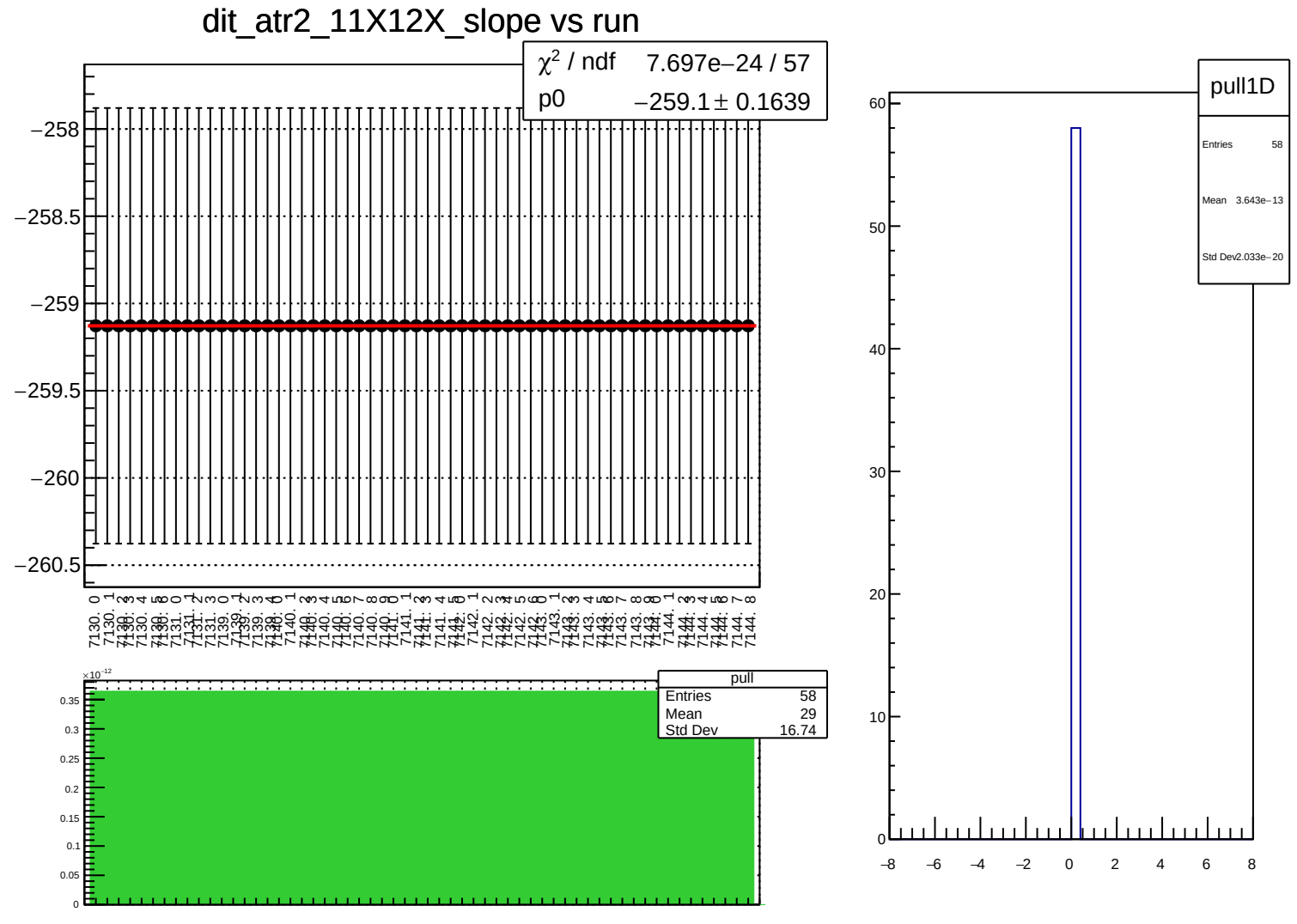

pull1D
Entries 58
Mean 4.187e−14
Std Dev 2.16e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

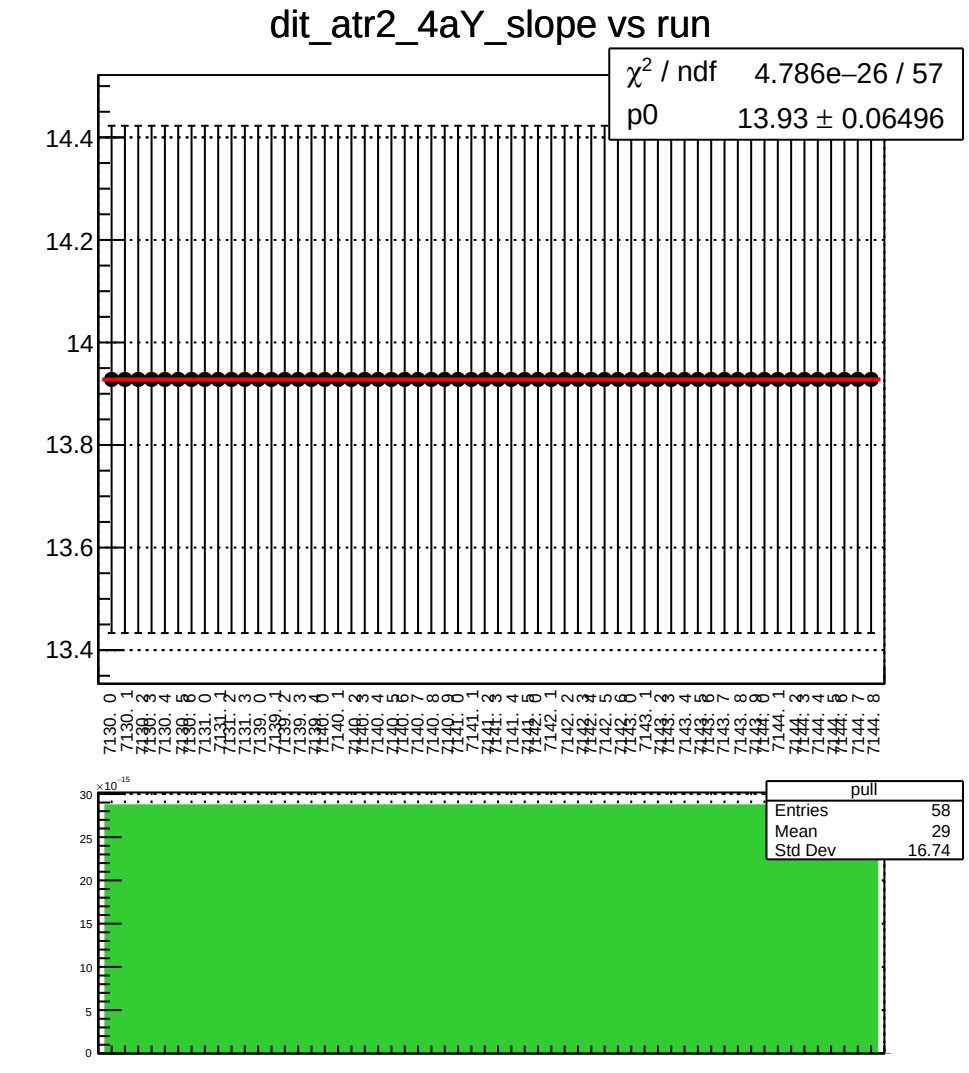

dit_atr1_4eY_slope vs run
χ² / ndf 1.818e−26 / 57
p0 −25.94 ± 0.1581
−24.5
−25
−25.5
−26
−26.5
−27
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
pull1D
Entries 58
Mean −1.771e−14
Std Dev7.635e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

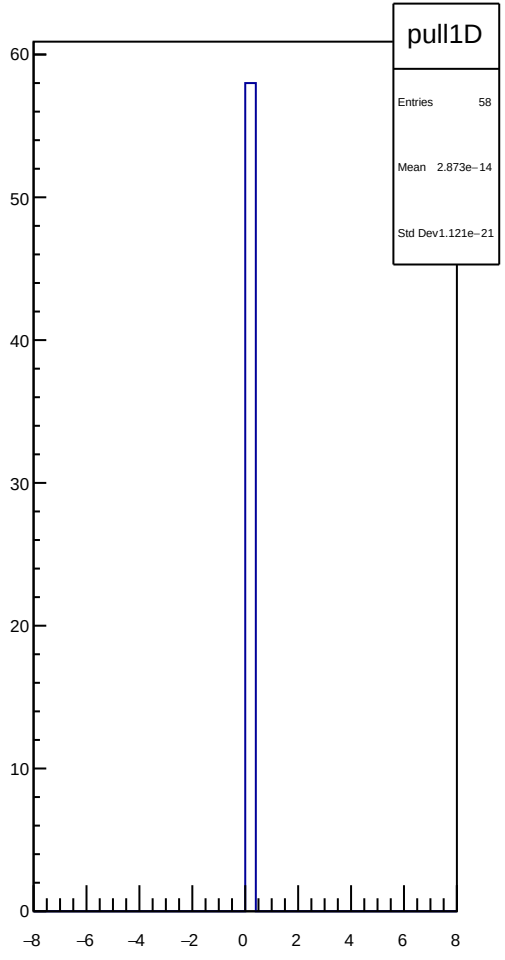

dit_atr2_4aX_slope vs run
χ² / ndf 7.88e−27 / 57
p0 −855.1 ± 1.281
−845
−850
−855
−860
−865
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

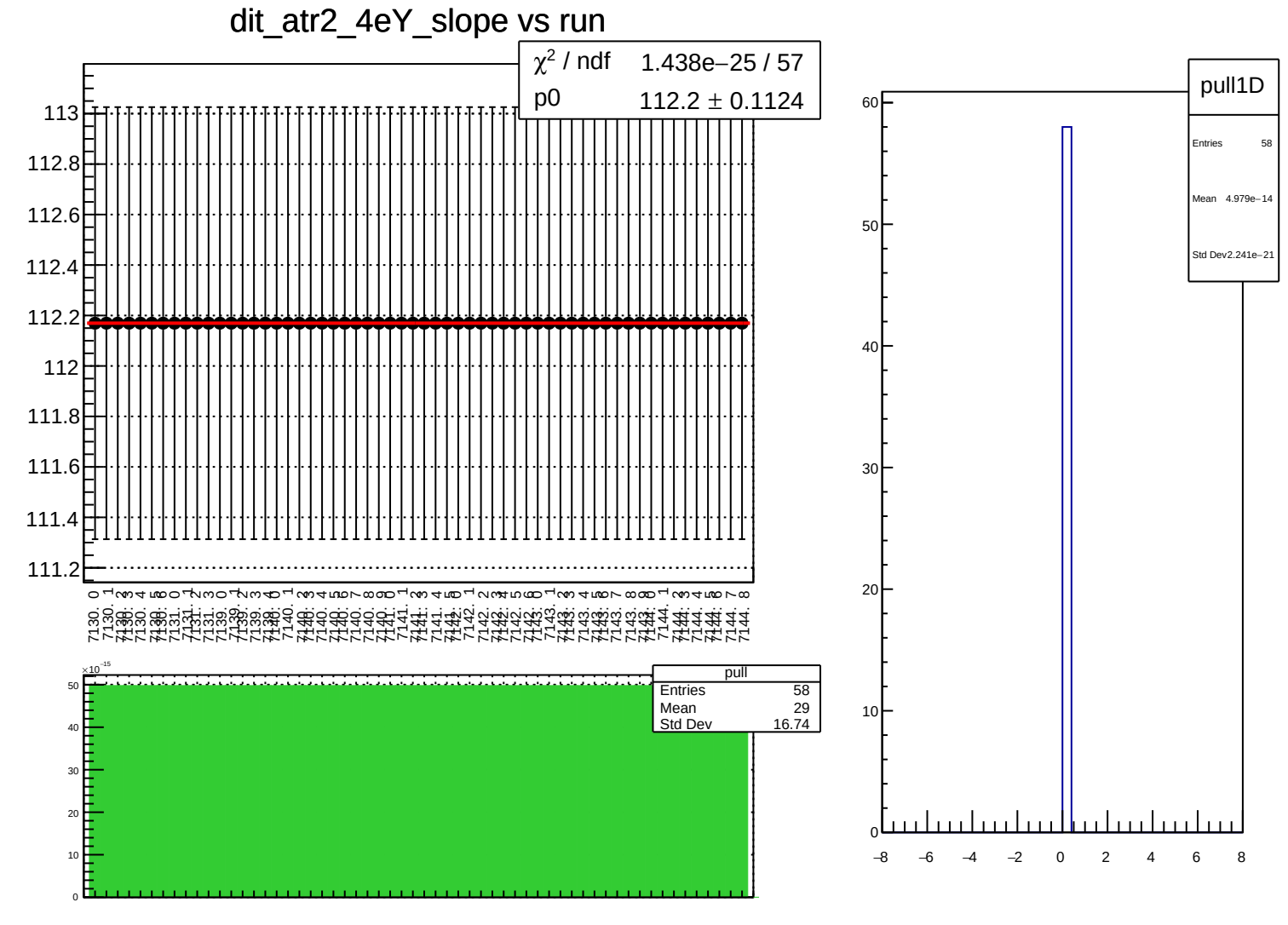

pull1D
Entries 58
Mean −1.166e−14
Std Dev 2.995e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

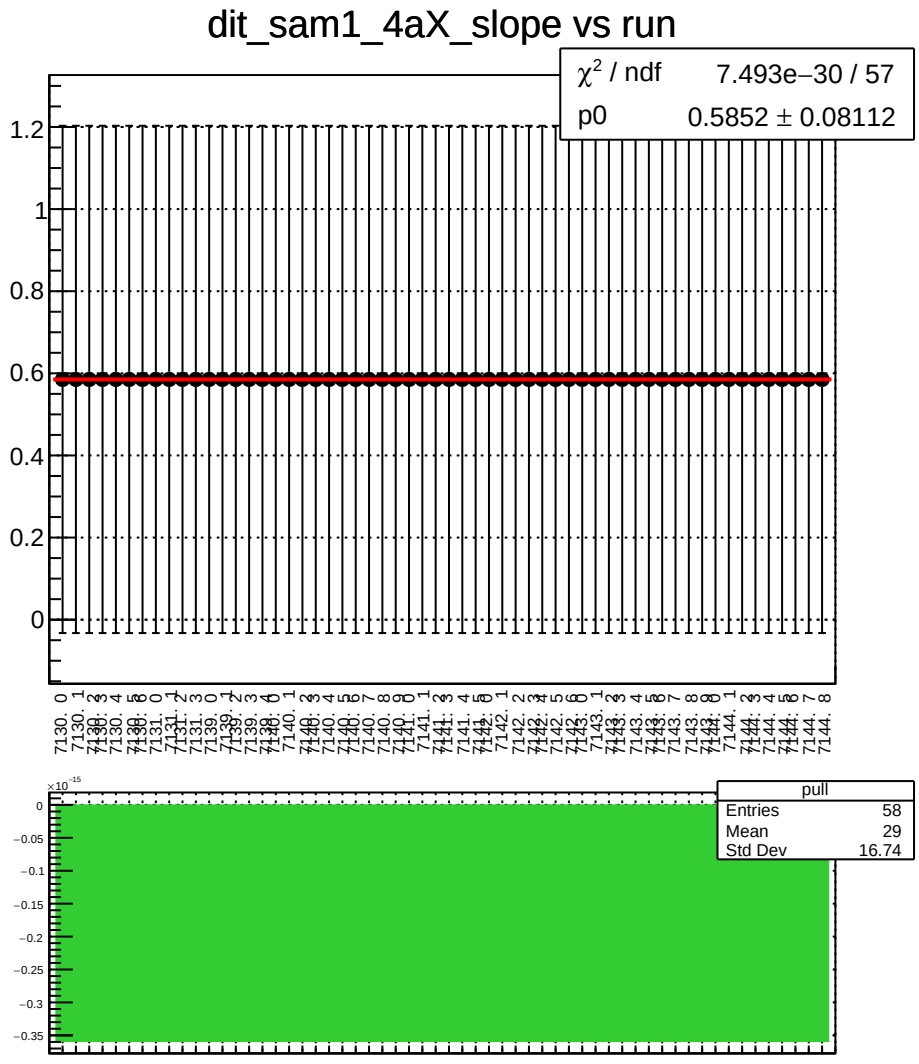

dit_atr2_4eX_slope vs run
χ² / ndf 5.76e−26 / 57
p0 965.6 ± 0.9474
974
972
970
968
966
964
962
960
958
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 58
Mean 3.151e−14
Std Dev 1.339e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

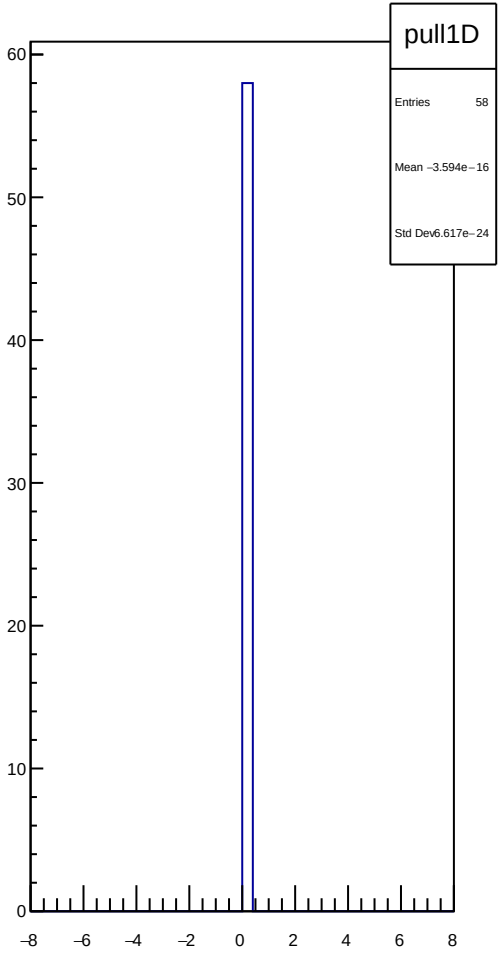

dit_atr2_11X12X_slope vs run
χ² / ndf 7.697e−24 / 57
p0 −259.1 ± 0.1639
−258
−258.5
−259
−259.5
−260
−260.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 58
Mean 3.643e−13
Std Dev 2.033e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

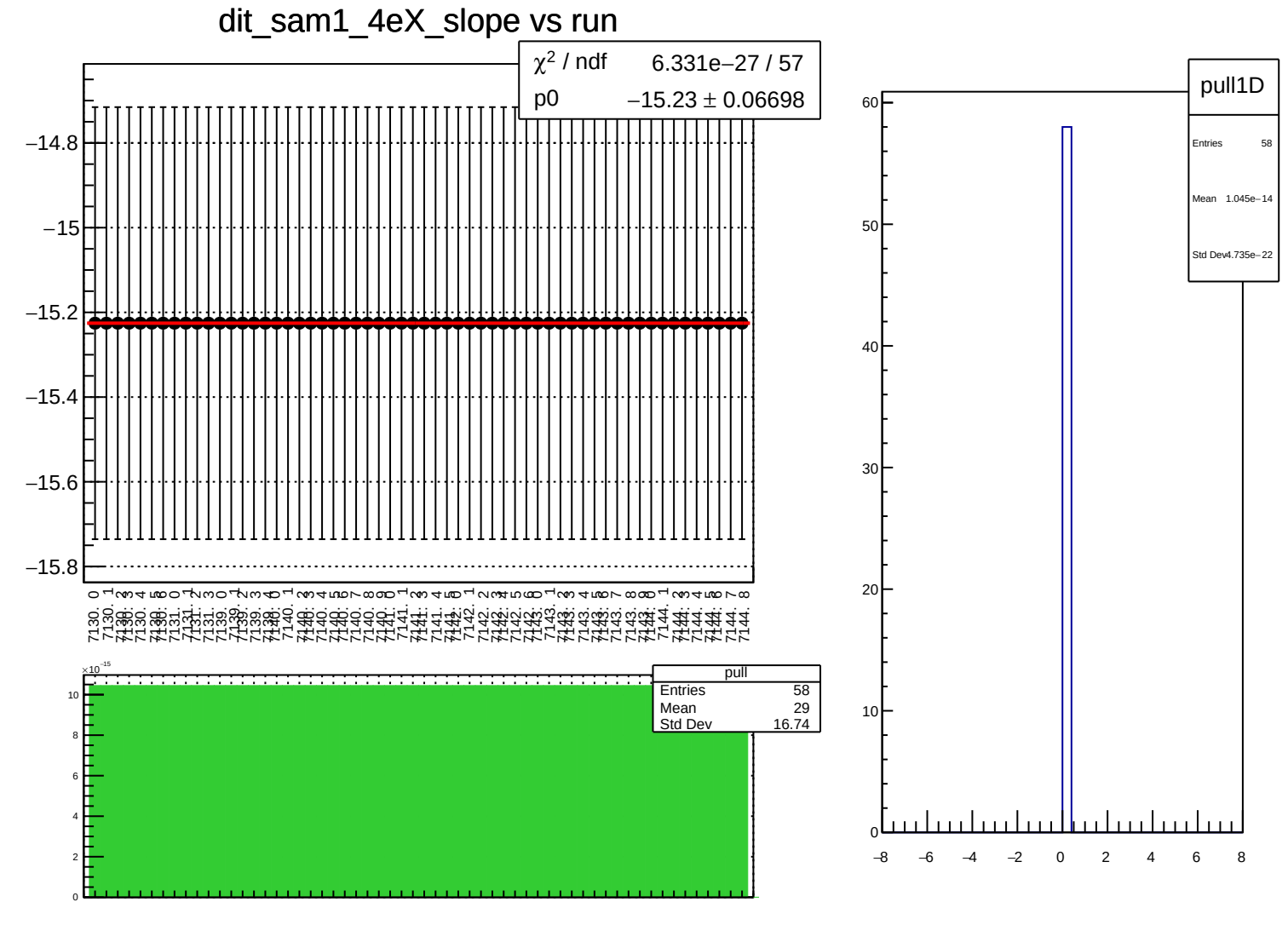

dit_atr2_4aY_slope vs run
χ² / ndf 4.786e−26 / 57
p0 13.93 ± 0.06496
14.4
14.2
14
13.8
13.6
13.4
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
30
25
20
15
10
5
0

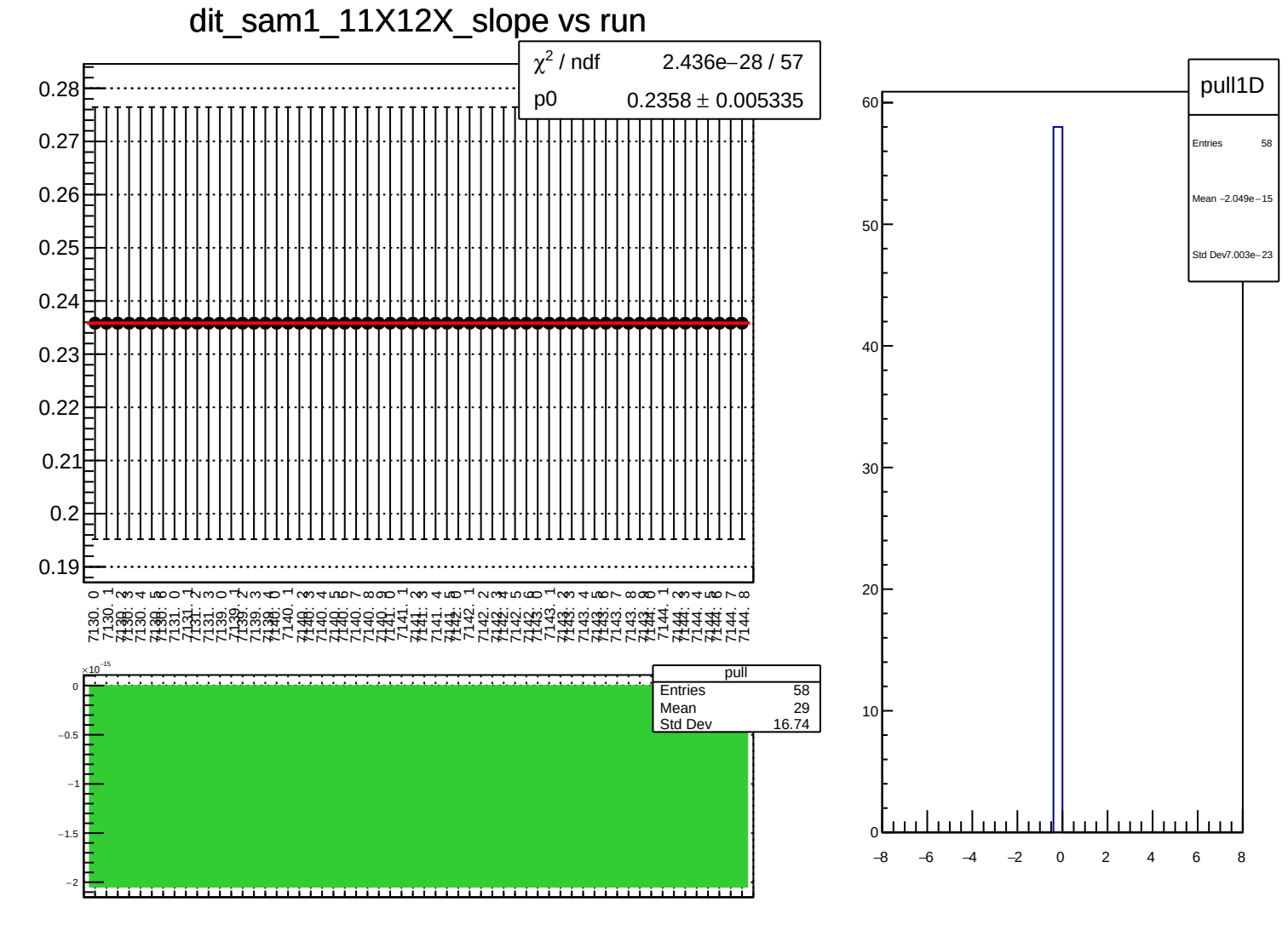

pull1D
Entries 58
Mean 2.873e−14
Std Dev1.121e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

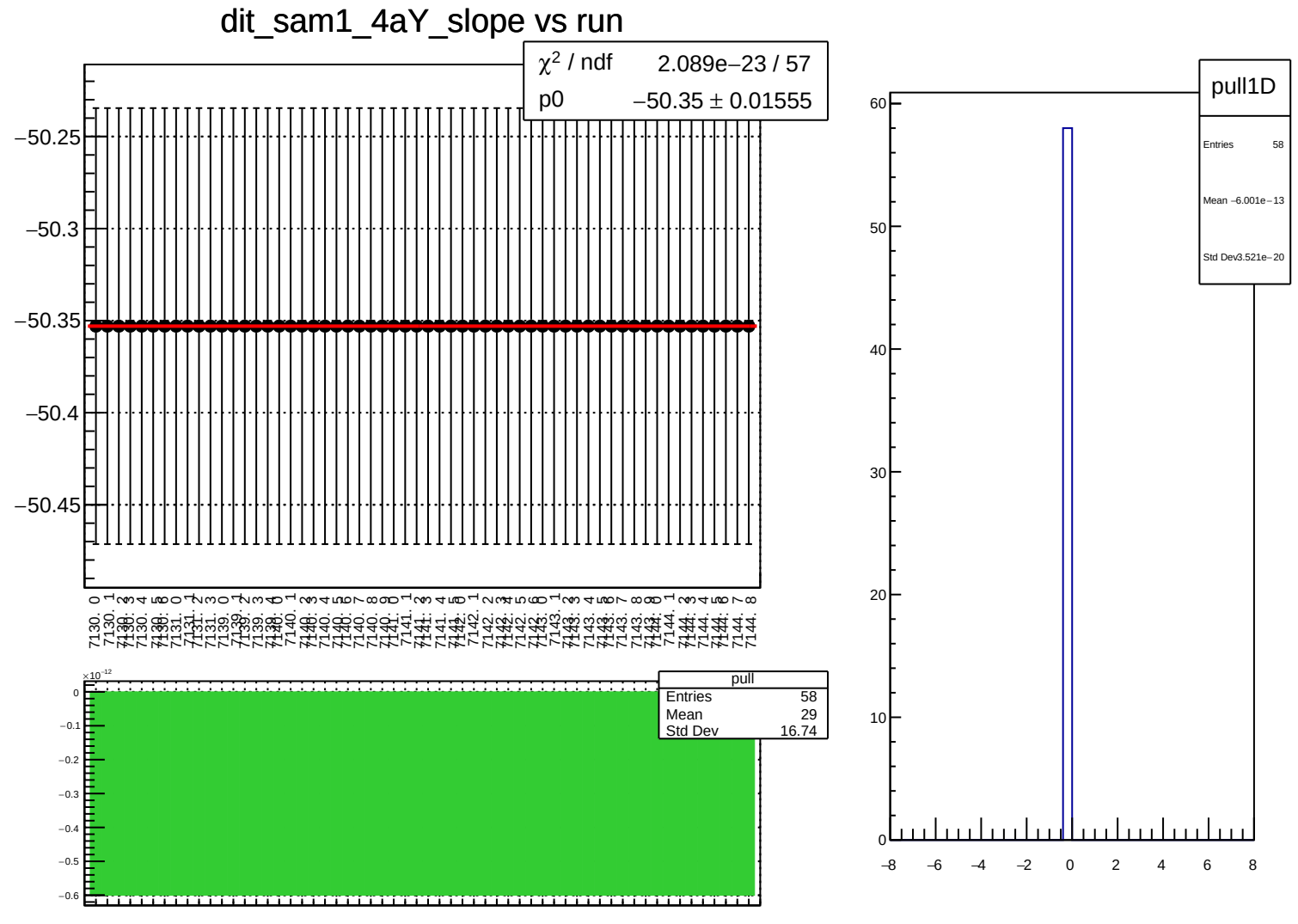

dit_atr2_4eY_slope vs run
χ² / ndf 1.438e−25 / 57
p0 112.2 ± 0.1124
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 4.979e−14
Std Dev2.241e−21

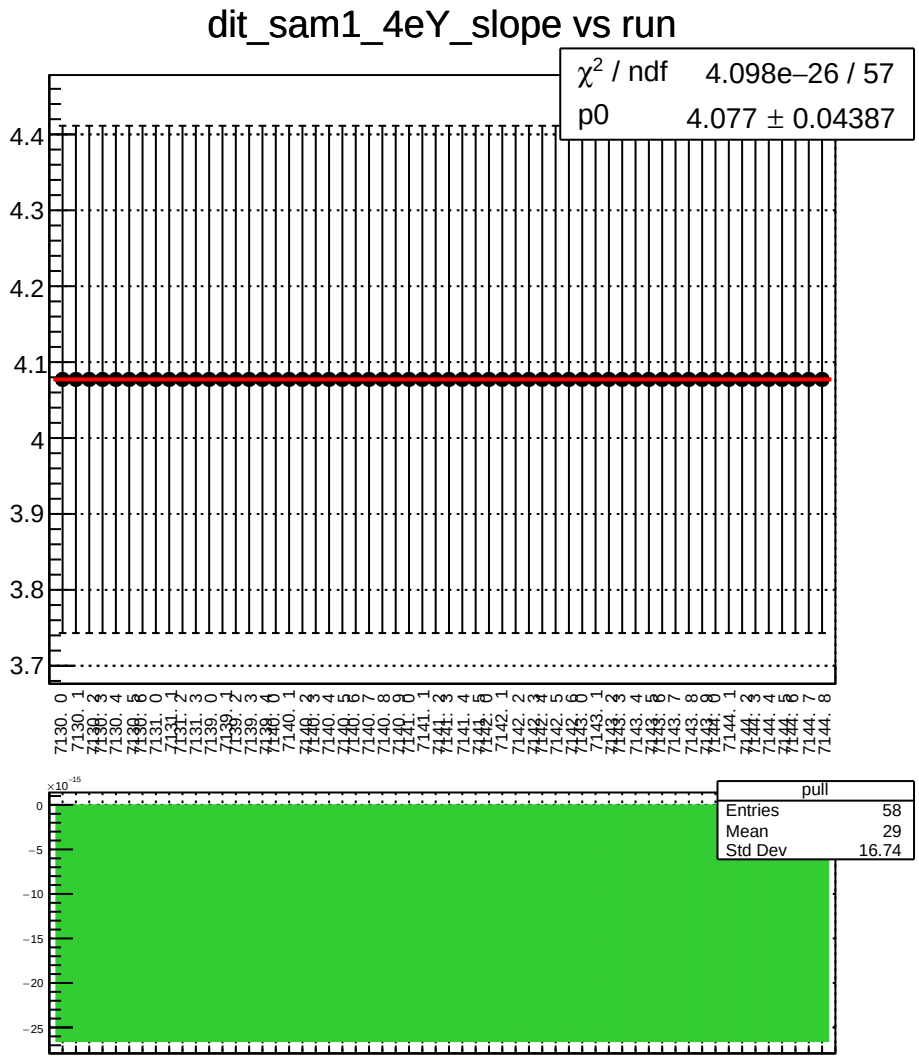

dit_sam1_4aX_slope vs run
χ² / ndf 7.493e−30 / 57
p0 0.5852 ± 0.08112
pull
Entries 58
Mean 29
Std Dev 16.74

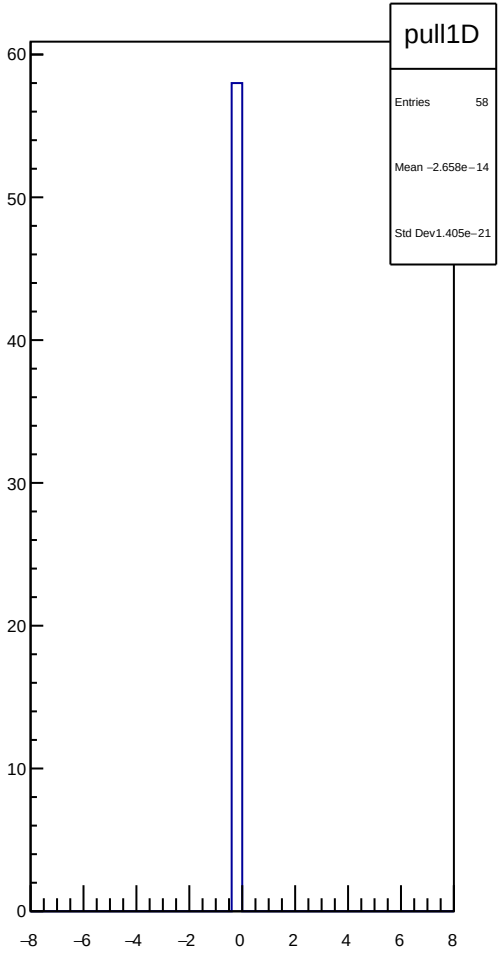

pull1D
Entries 58
Mean −3.594e−16
Std Dev 6.617e−24

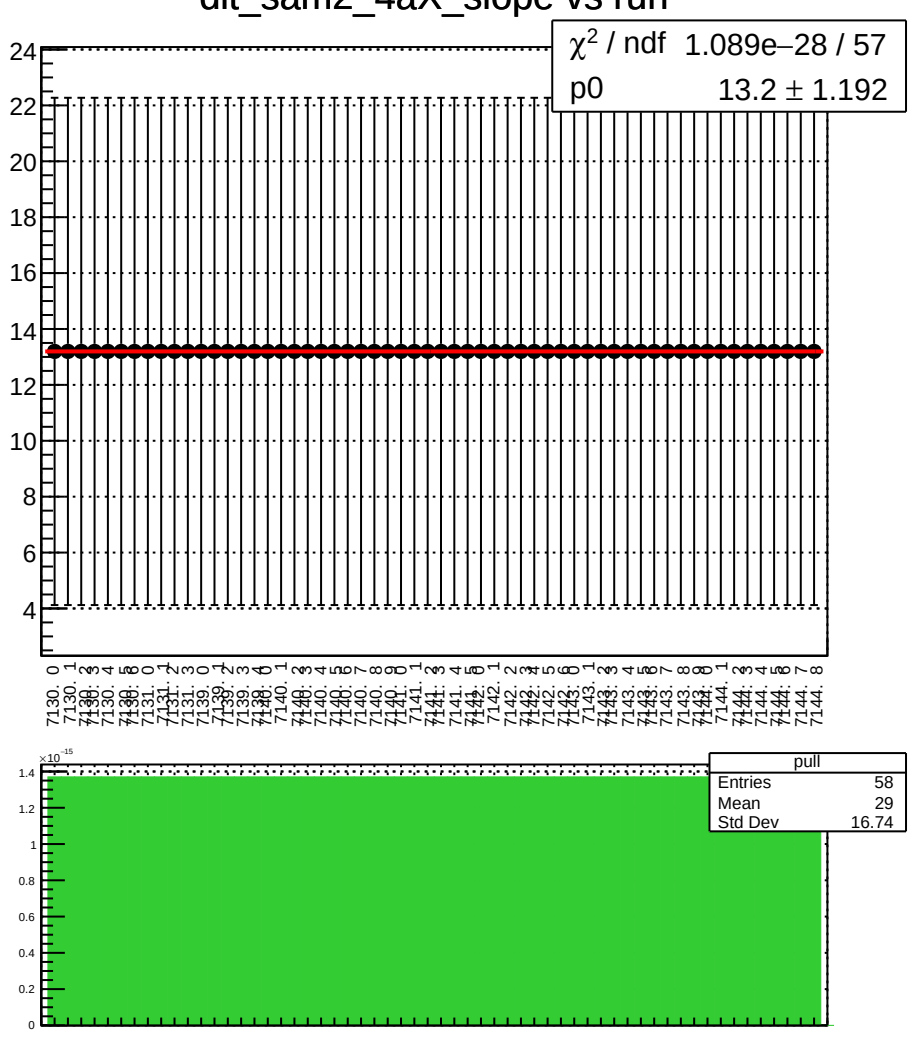

dit_sam1_4eX_slope vs run
χ² / ndf 6.331e−27 / 57
p0 −15.23 ± 0.06698
−14.8
−15
−15.2
−15.4
−15.6
−15.8
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 1.045e−14
Std Dev4.735e−22

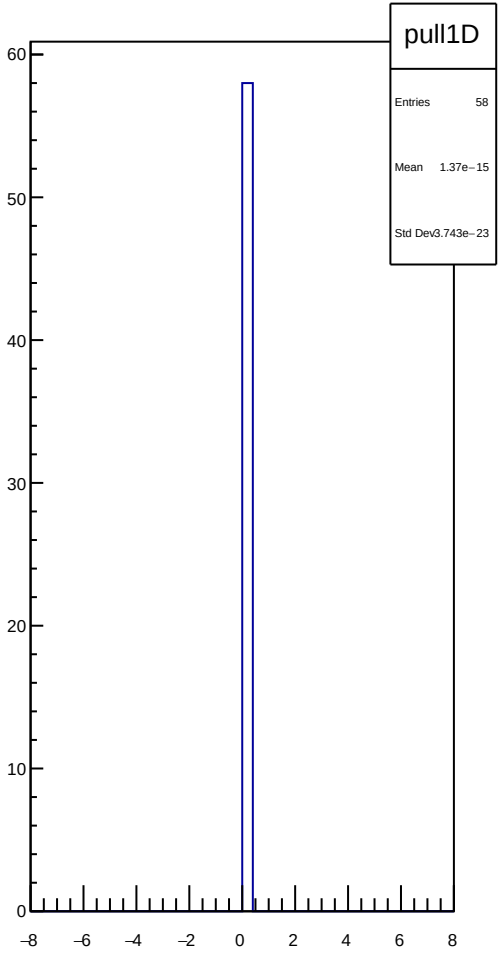

dit_sam1_11X12X_slope vs run
χ² / ndf 2.436e−28 / 57
p0 0.2358 ± 0.005335
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −2.049e−15
Std Dev7.003e−23

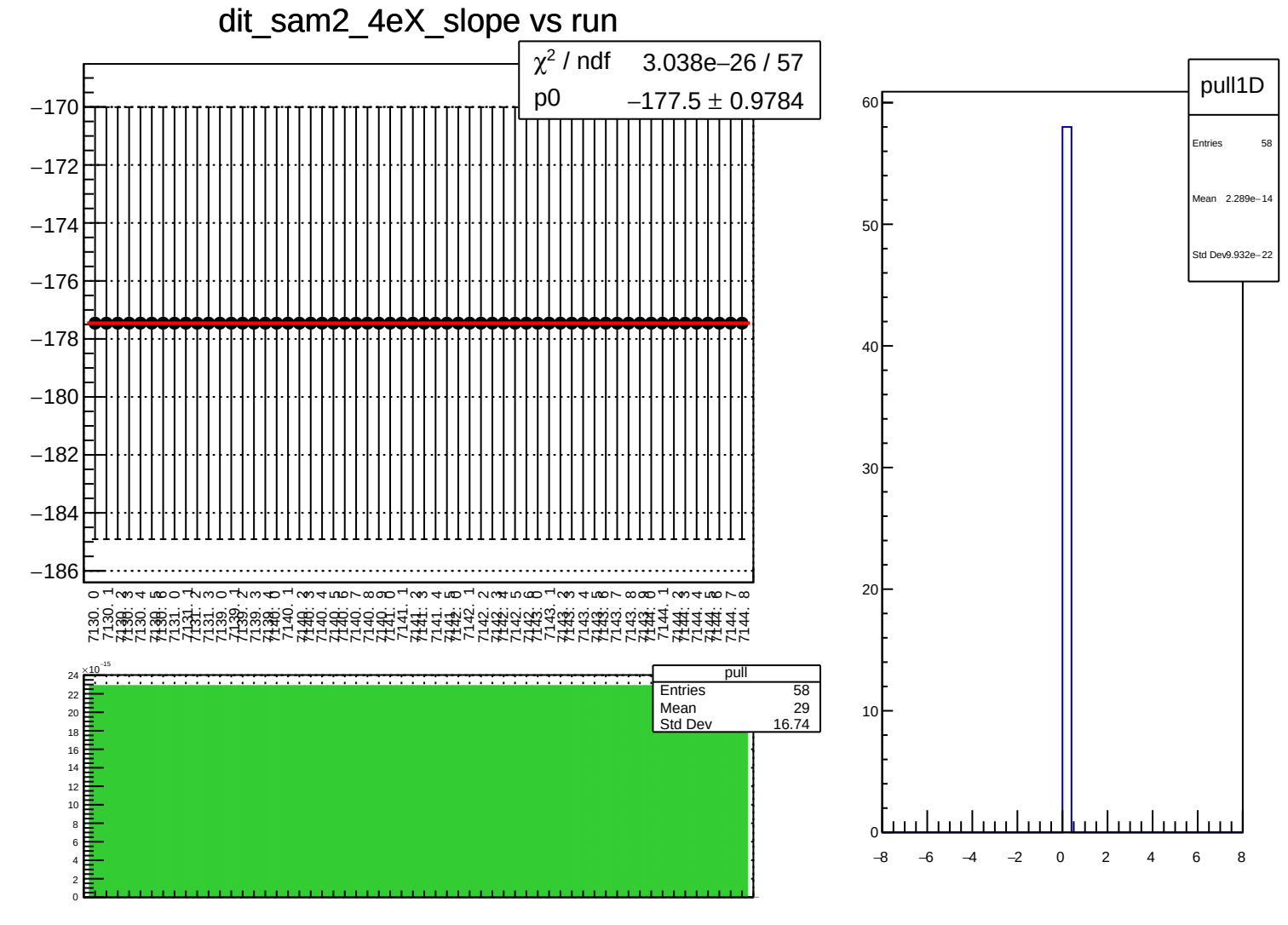

dit_sam1_4aY_slope vs run
χ² / ndf 2.089e−23 / 57
p0 −50.35 ± 0.01555
−50.25
−50.3
−50.35
−50.4
−50.45
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 58
Mean −6.001e−13
Std Dev3.521e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

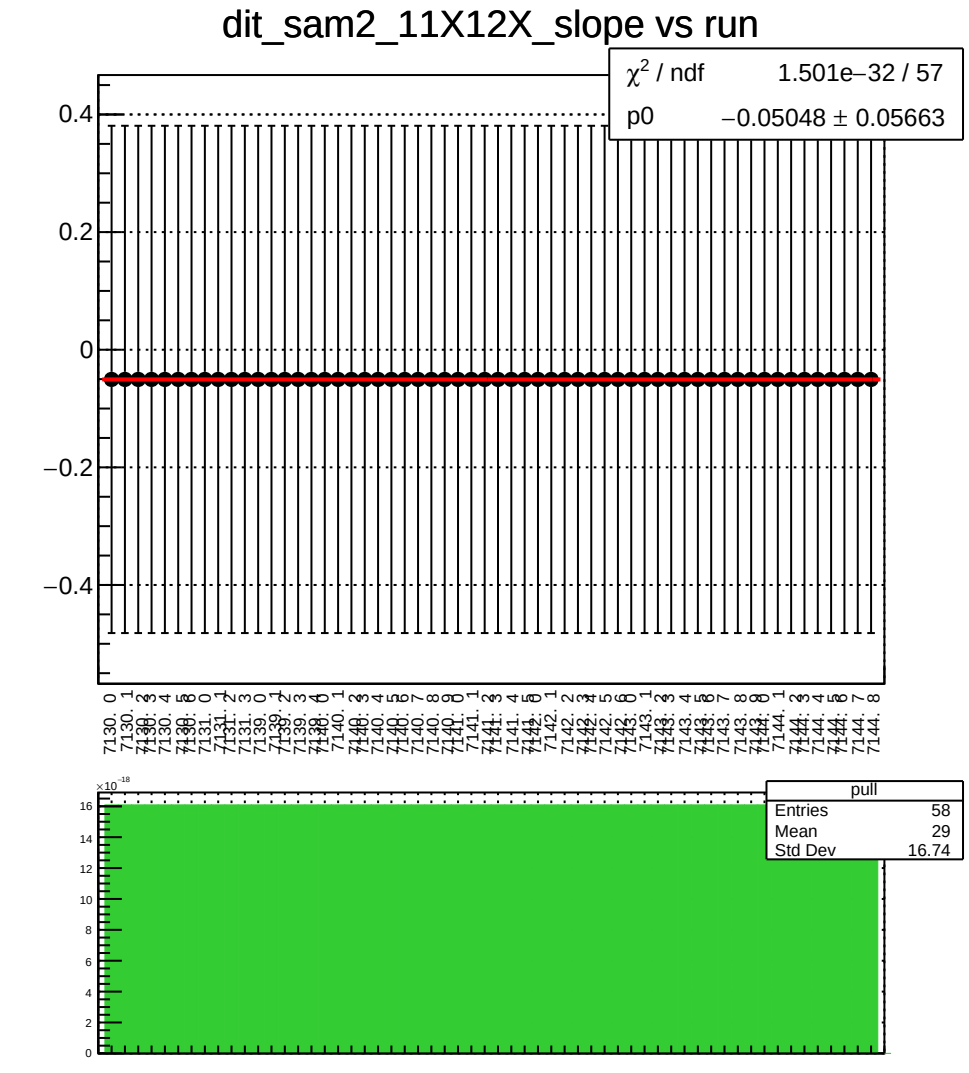

dit_sam1_4eY_slope vs run
χ² / ndf 4.098e−26 / 57
p0 4.077 ± 0.04387
pull
Entries 58
Mean 29
Std Dev 16.74

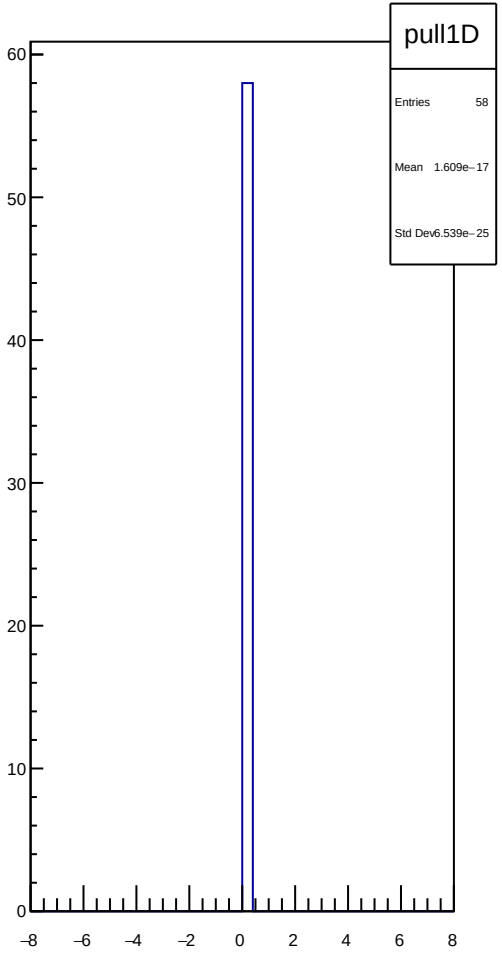

pull1D
Entries 58
Mean −2.658e−14
Std Dev1.405e−21

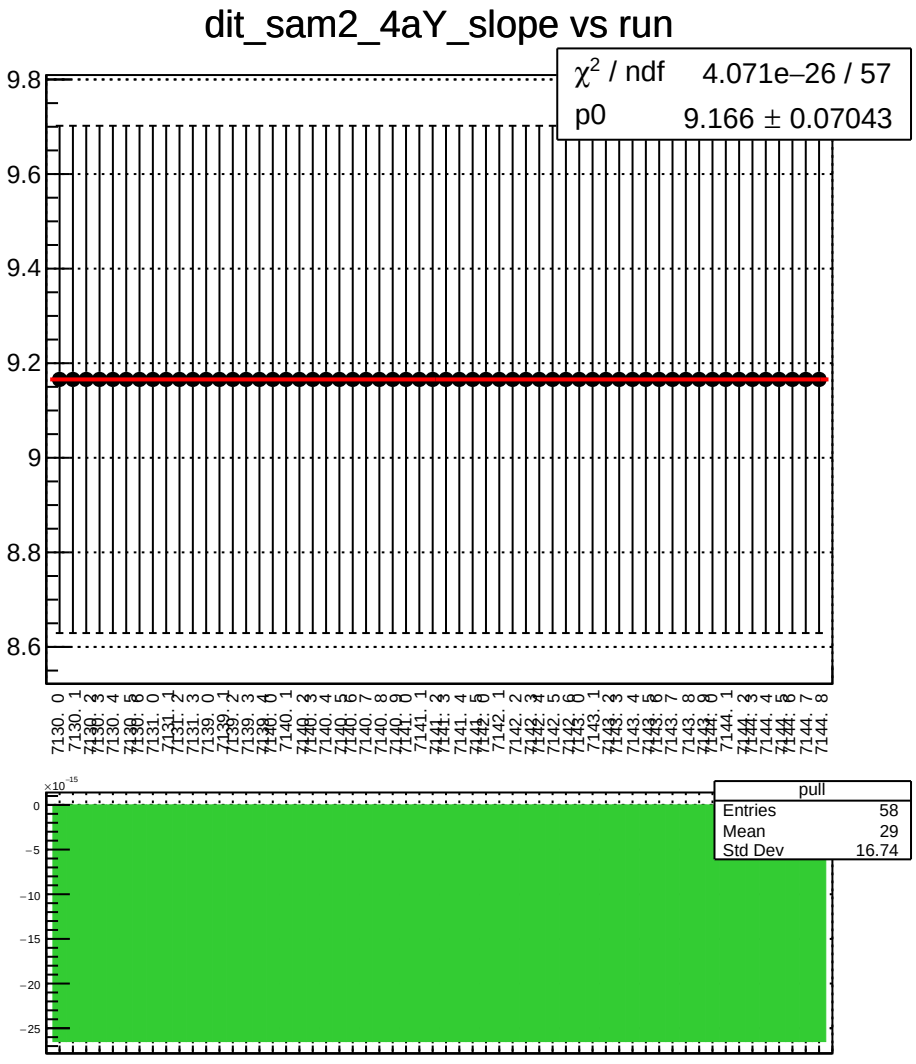

dit_sam2_4aX_slope vs run
χ² / ndf 1.089e−28 / 57
p0 13.2 ± 1.192
pull
Entries 58
Mean 29
Std Dev 16.74

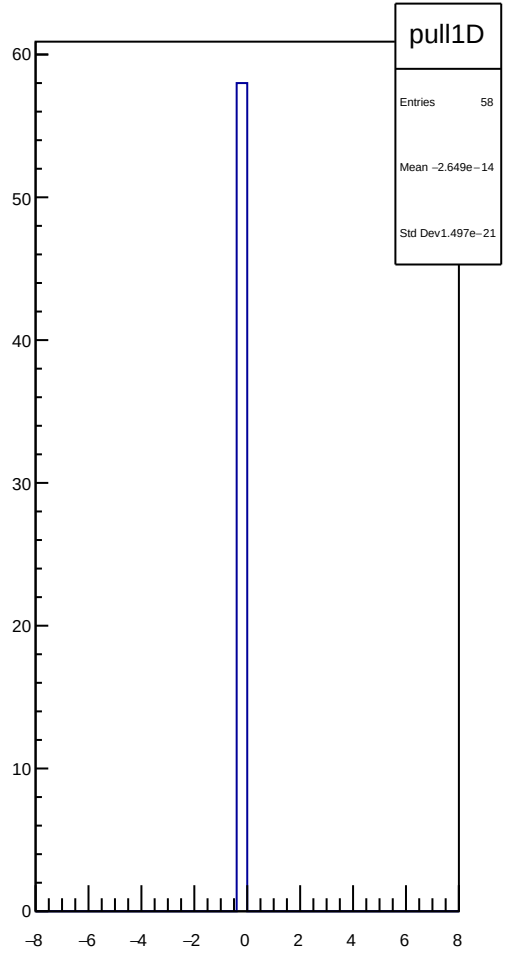

pull1D
Entries 58
Mean 1.37e−15
Std Dev 3.743e−23

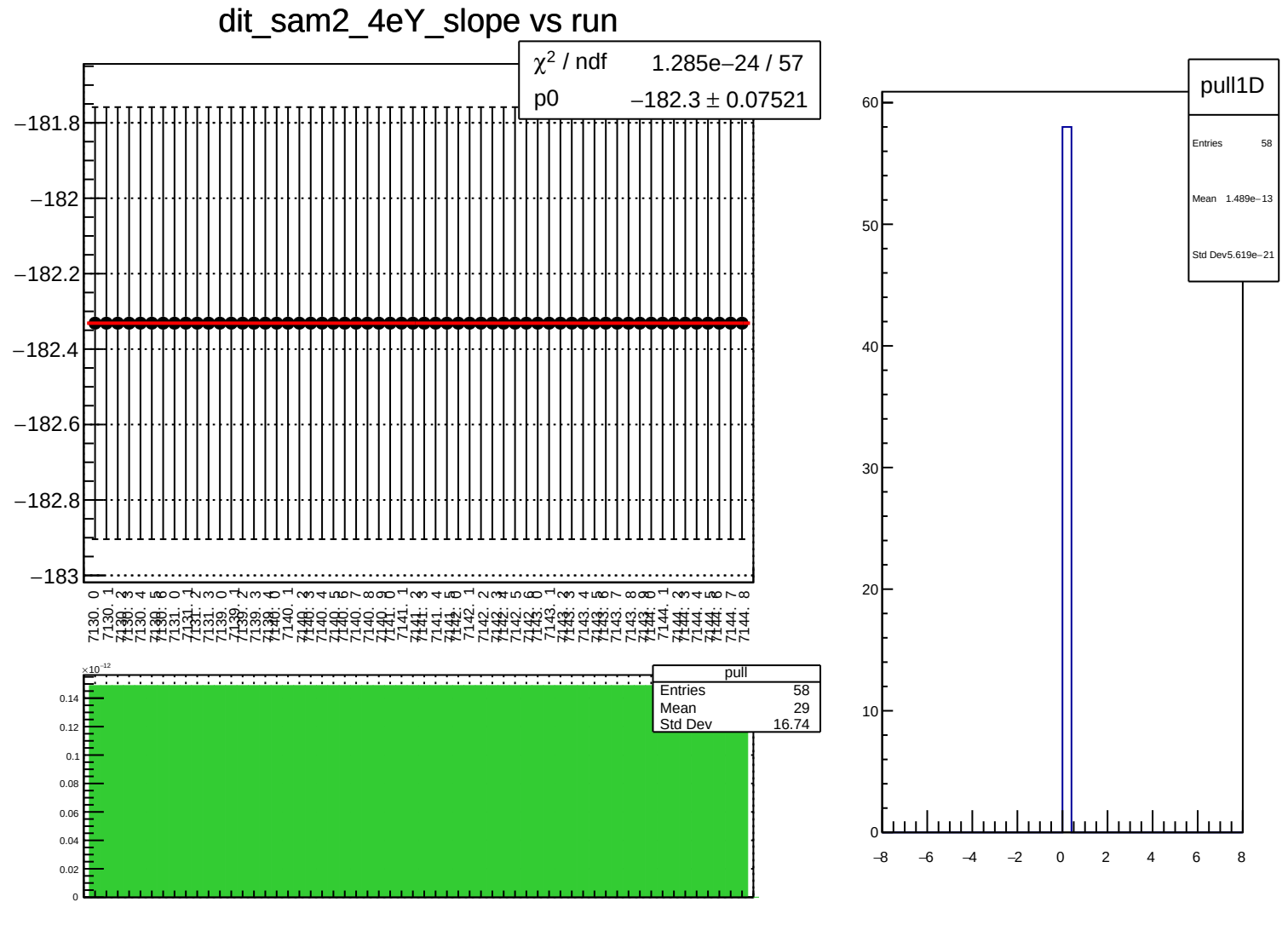

dit_sam2_4eX_slope vs run
χ² / ndf 3.038e−26 / 57
p0 −177.5 ± 0.9784
−170
−172
−174
−176
−178
−180
−182
−184
−186
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
pull1D
Entries 58
Mean 2.289e−14
Std Dev 9.932e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

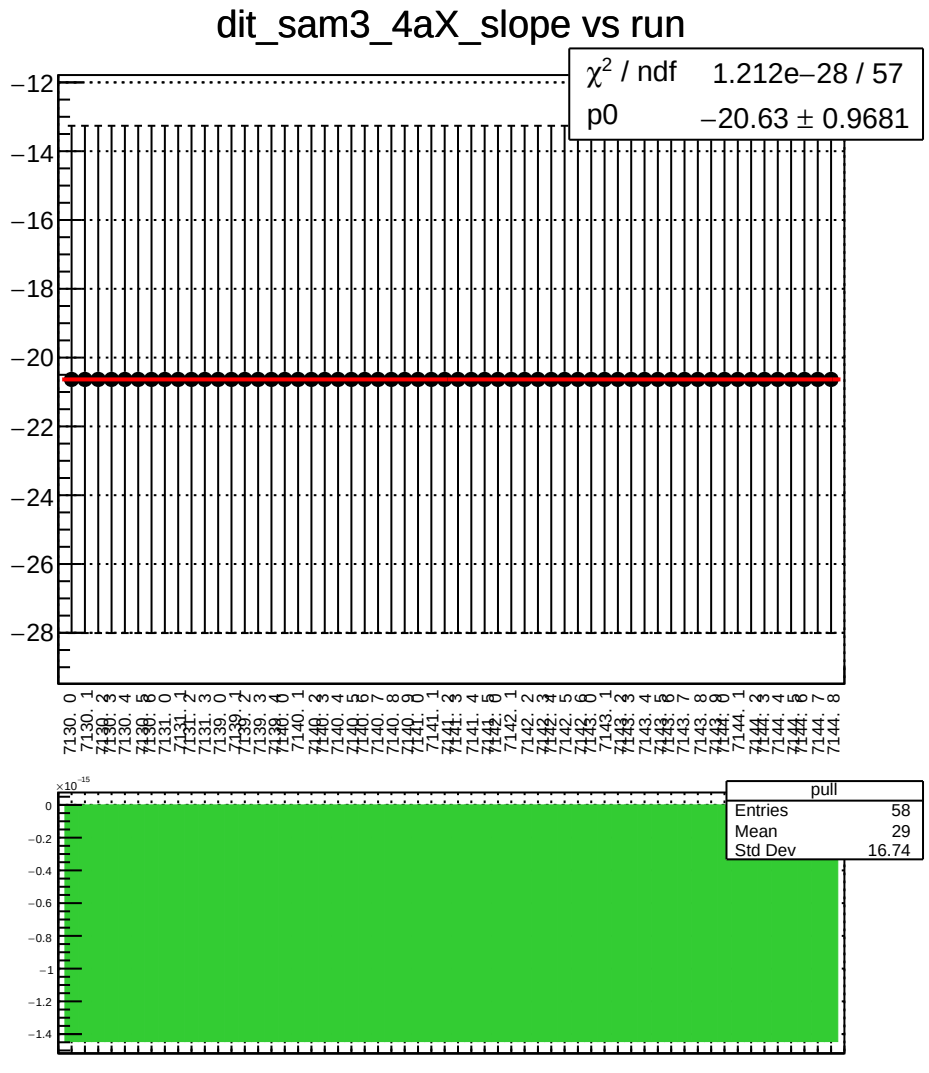

dit_sam2_11X12X_slope vs run
χ² / ndf 1.501e−32 / 57
p0 −0.05048 ± 0.05663
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁸

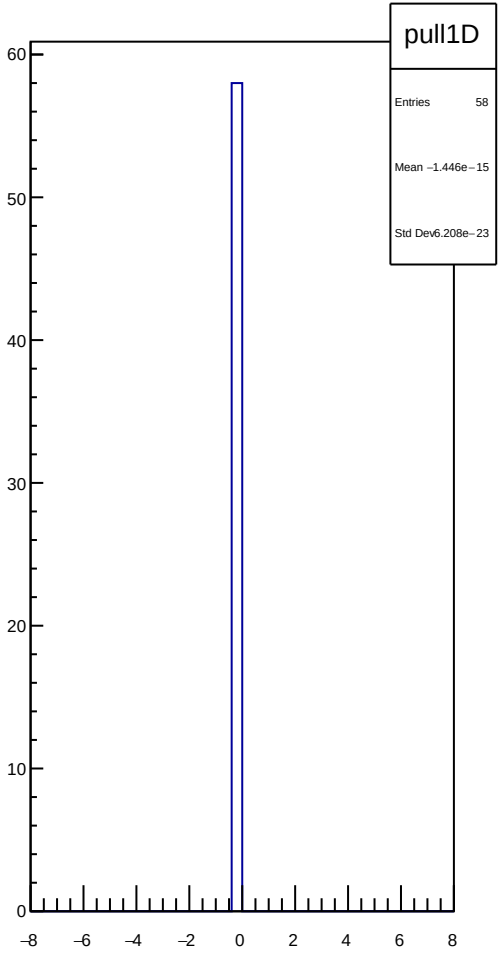

pull1D
Entries 58
Mean 1.609e−17
Std Dev 6.539e−25

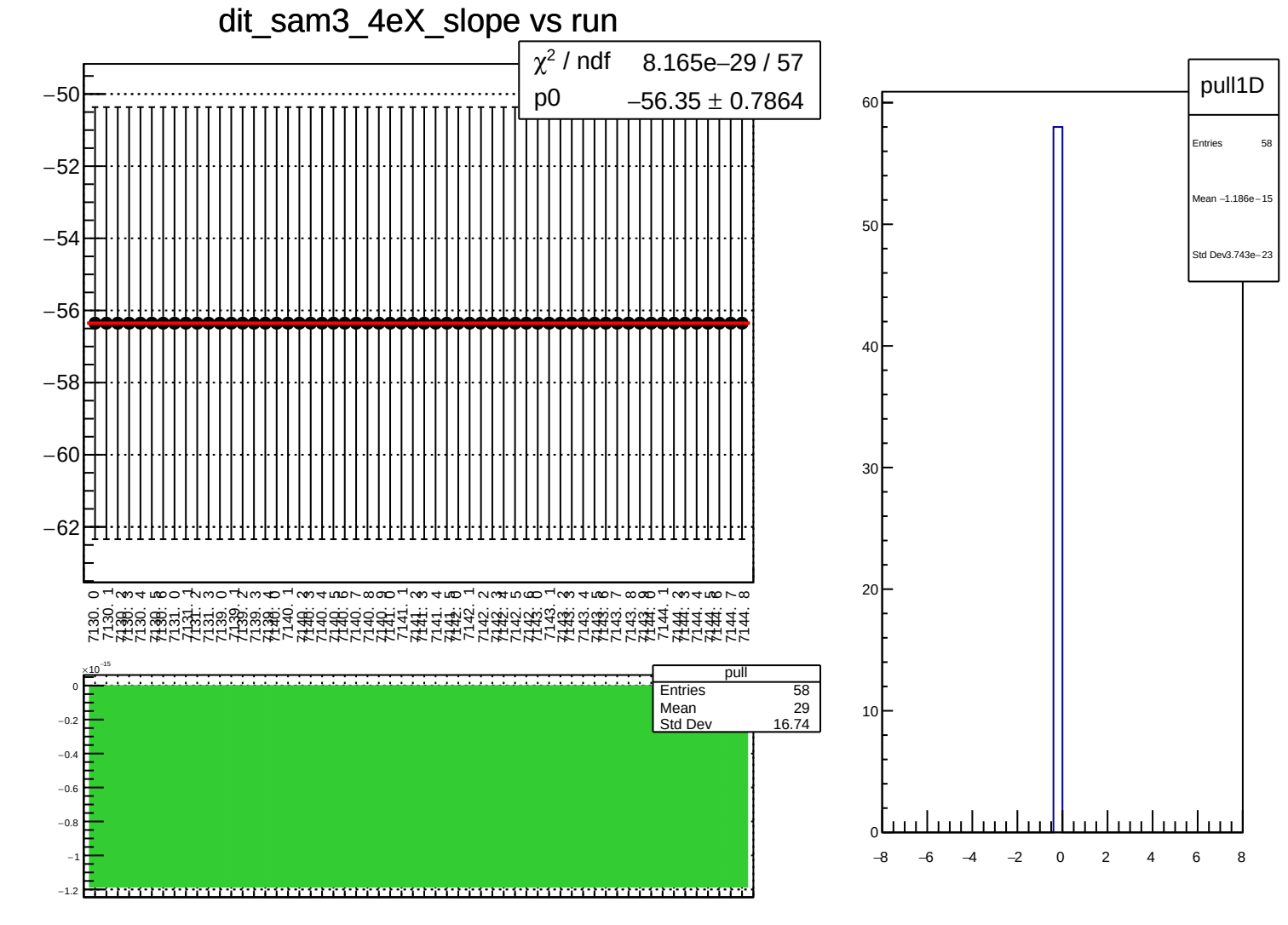

dit_sam2_4aY_slope vs run
χ² / ndf 4.071e−26 / 57
p0 9.166 ± 0.07043
pull
Entries 58
Mean 29
Std Dev 16.74

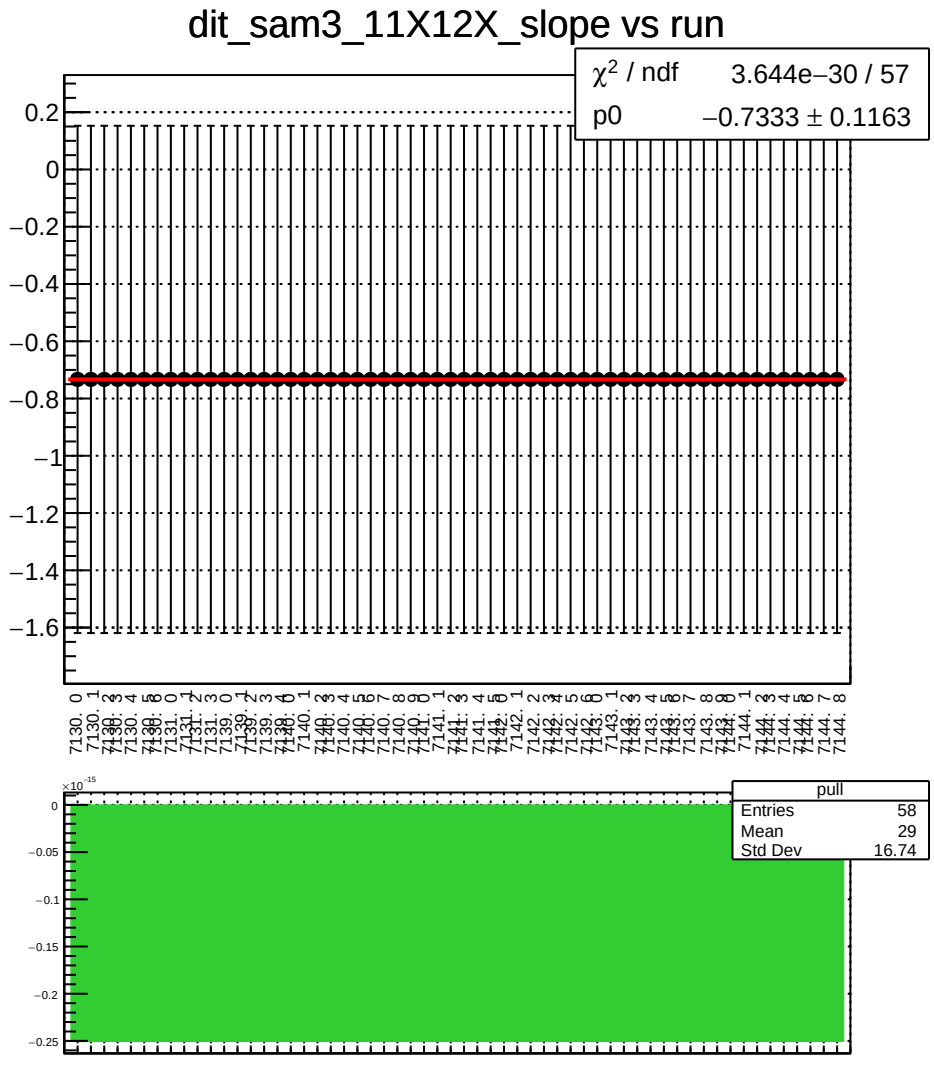

pull1D
Entries 58
Mean −2.649e−14
Std Dev1.497e−21

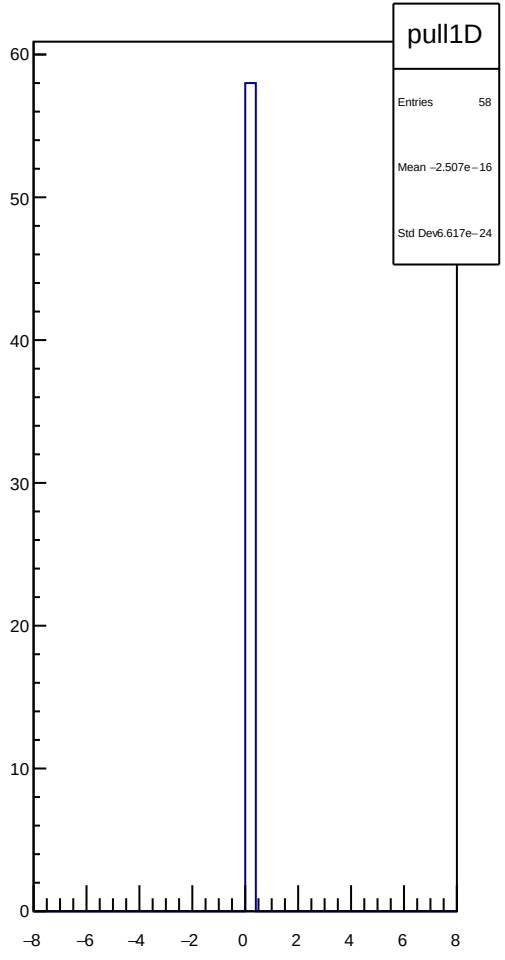

dit_sam2_4eY_slope vs run
χ² / ndf 1.285e−24 / 57
p0 −182.3 ± 0.07521
−181.8
−182
−182.2
−182.4
−182.6
−182.8
−183
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 58
Mean 1.489e−13
Std Dev5.619e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

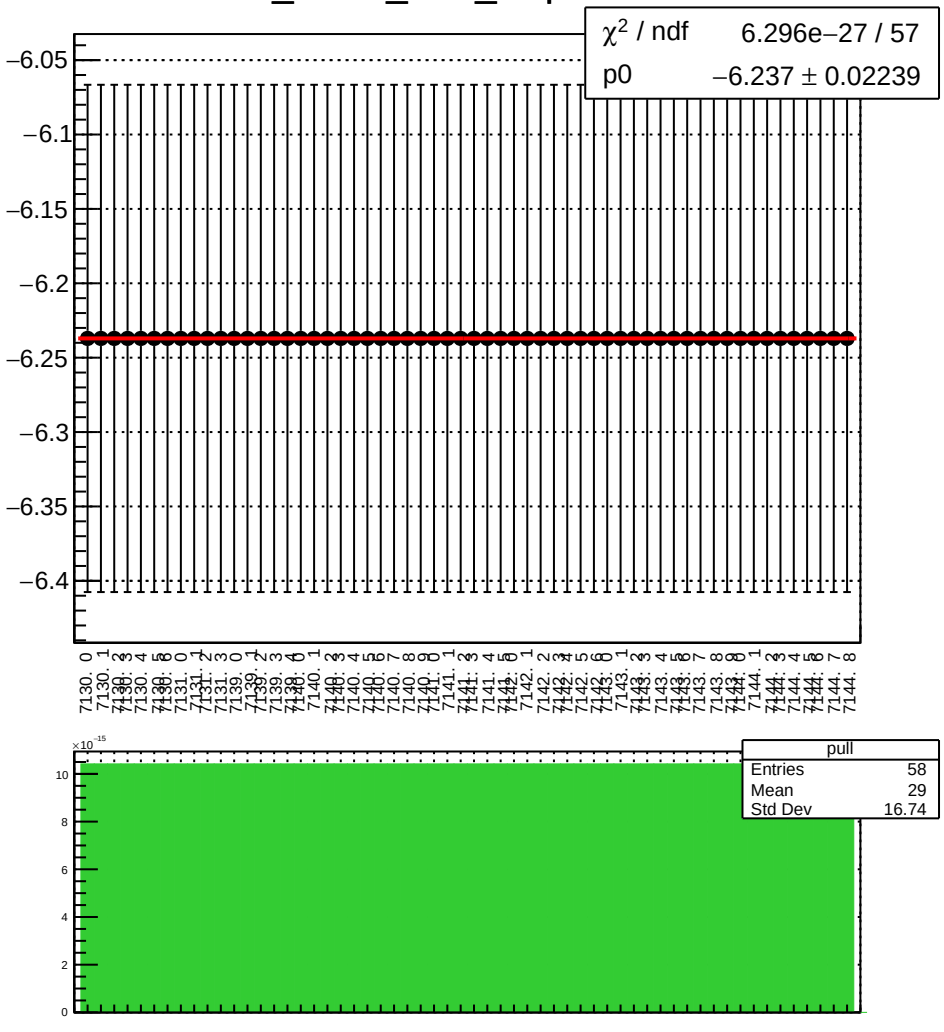

dit_sam3_4aX_slope vs run
χ² / ndf 1.212e−28 / 57
p0 −20.63 ± 0.9681
pull
Entries 58
Mean 29
Std Dev 16.74

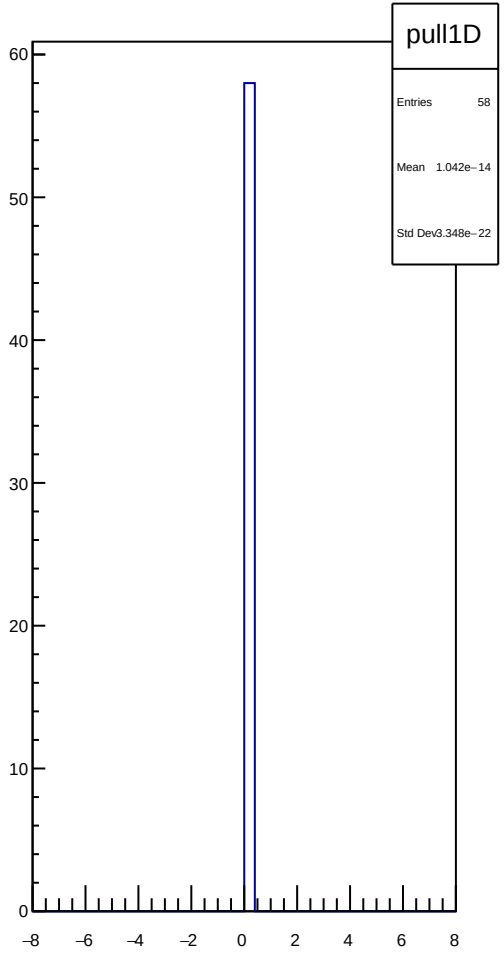

pull1D
Entries 58
Mean −1.446e−15
Std Dev 6.208e−23

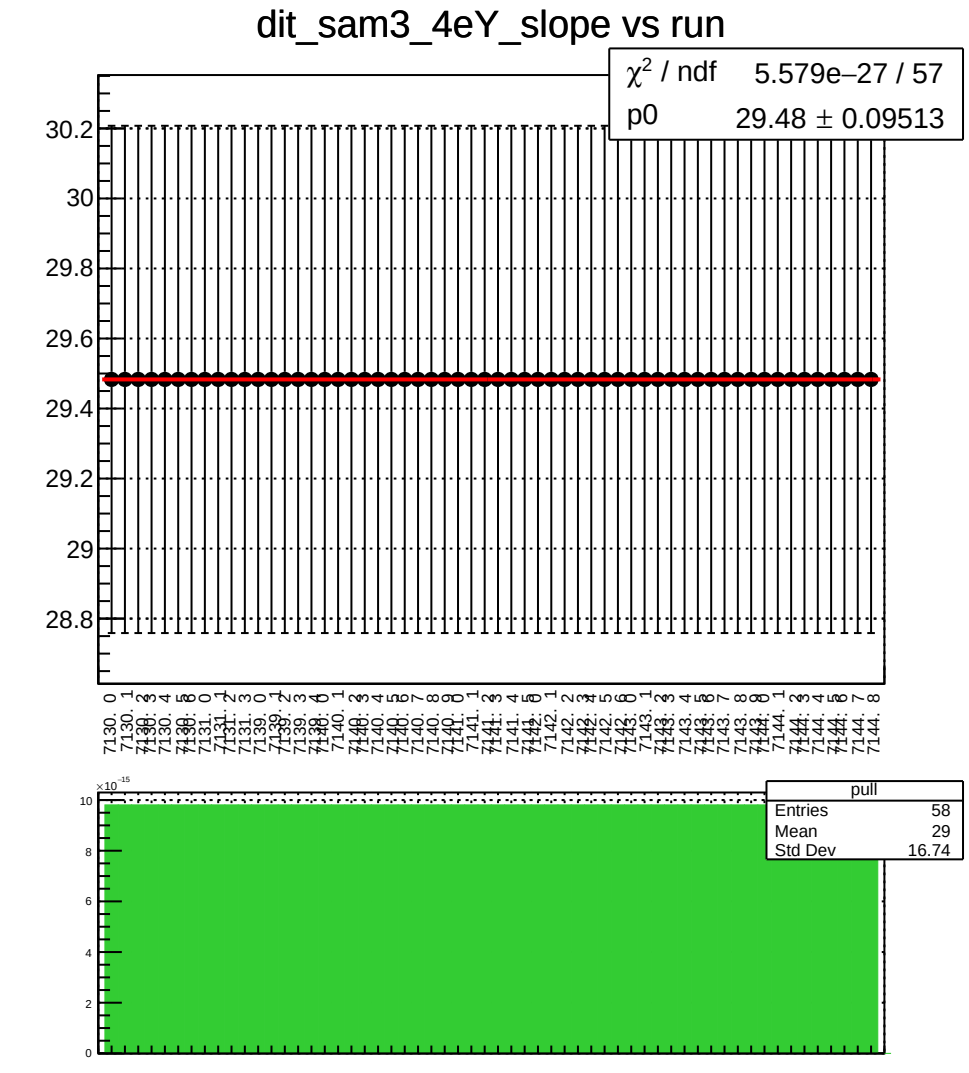

dit_sam3_4eX_slope vs run
χ² / ndf 8.165e−29 / 57
p0 −56.35 ± 0.7864
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −1.186e−15
Std Dev 3.743e−23

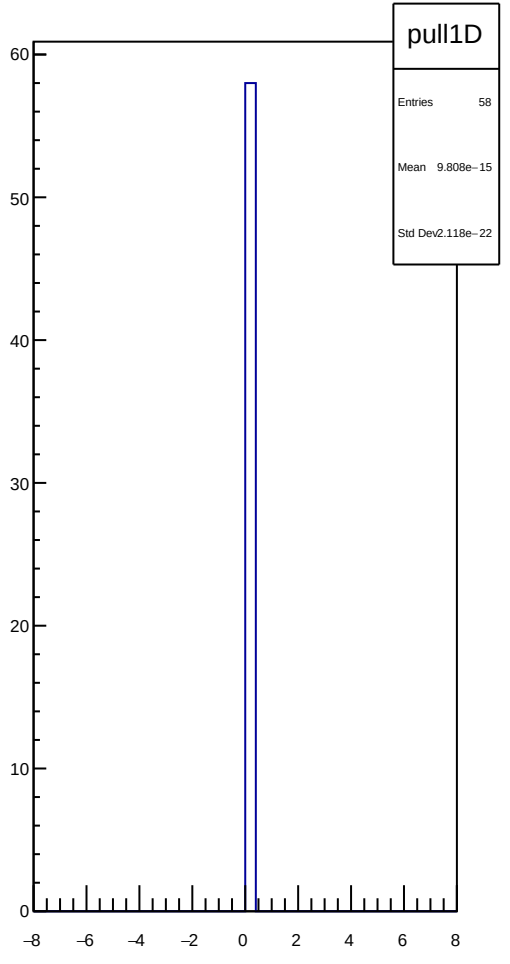

dit_sam3_11X12X_slope vs run
χ² / ndf 3.644e−30 / 57
p0 −0.7333 ± 0.1163
pull
Entries 58
Mean 29
Std Dev 16.74

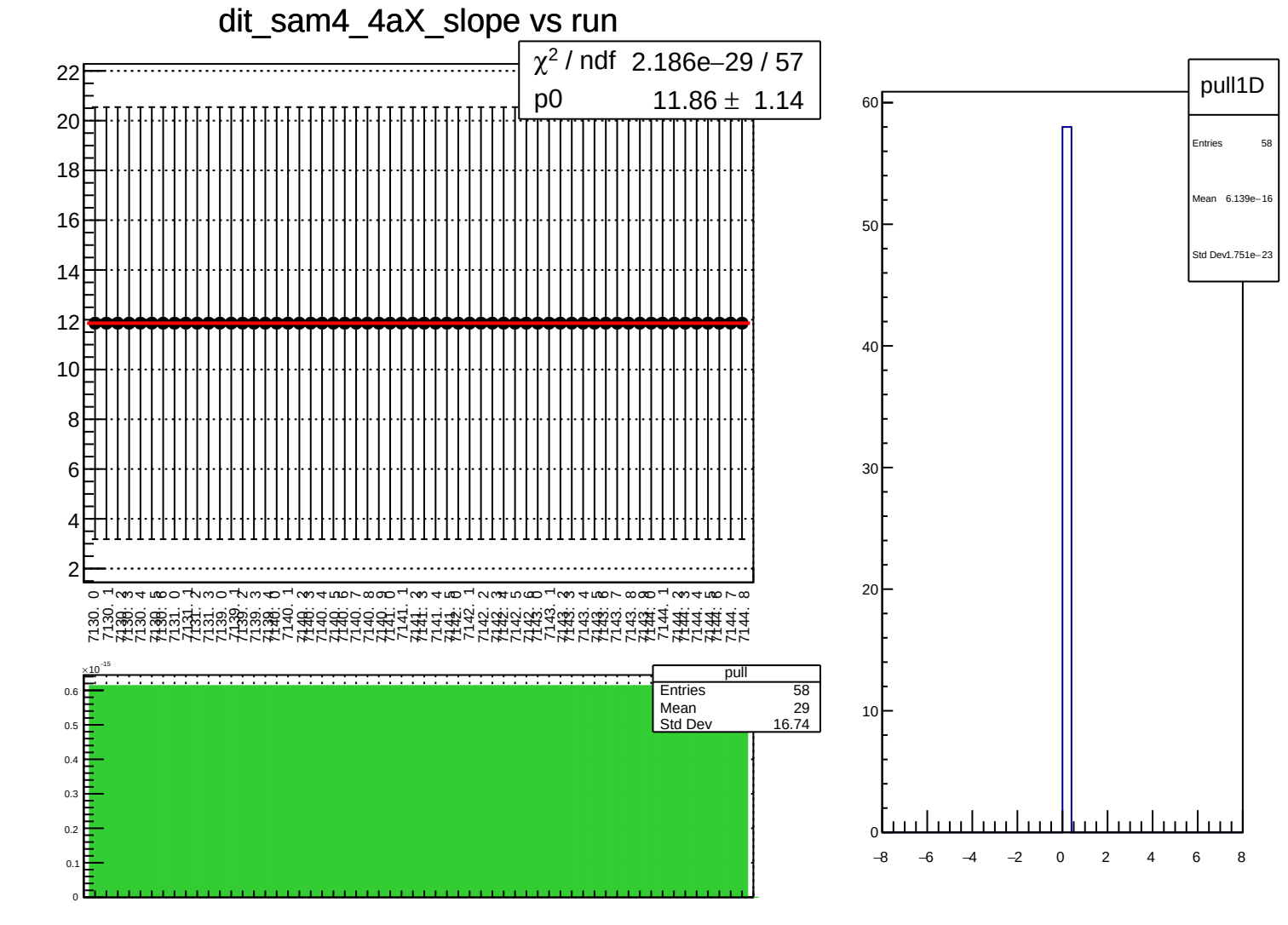

pull1D
Entries 58
Mean −2.507e−16
Std Dev 6.617e−24

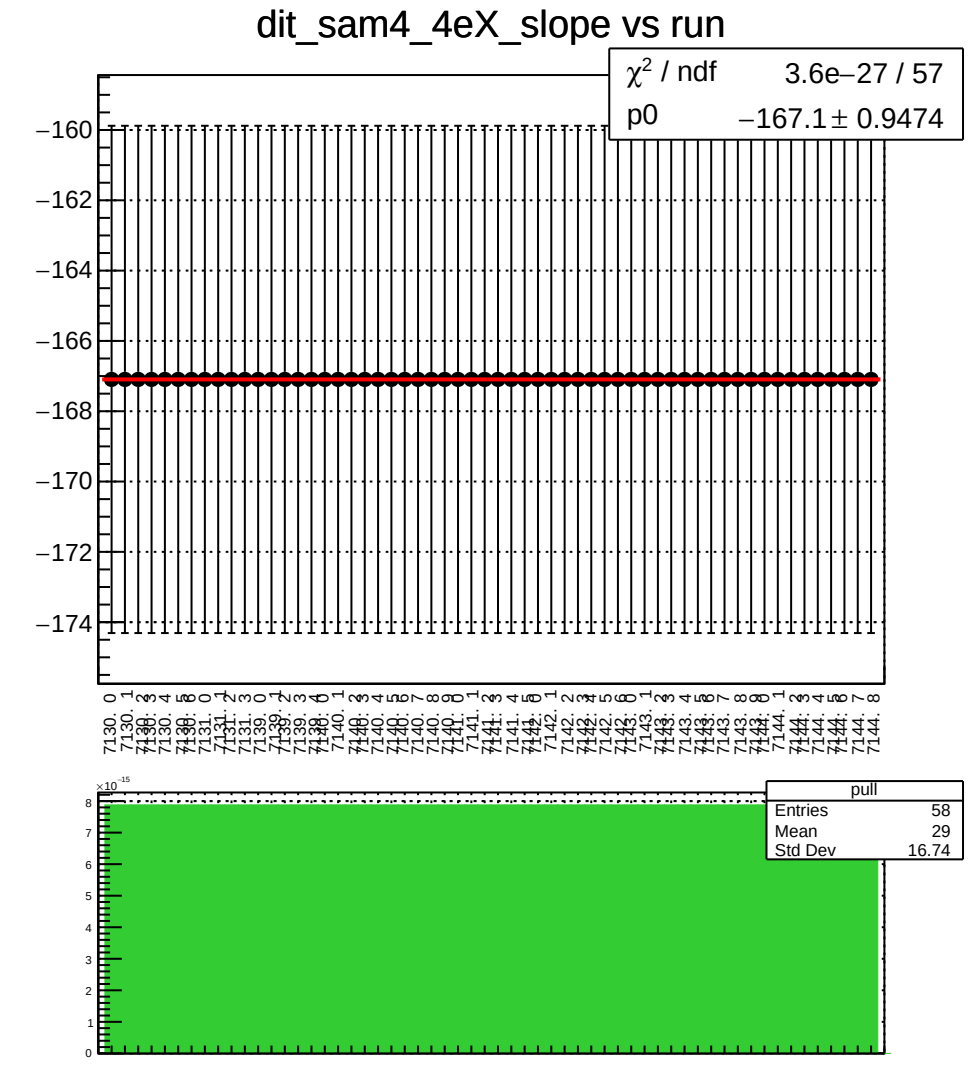

dit_sam3_4aY_slope vs run
χ² / ndf 6.296e−27 / 57
p0 −6.237 ± 0.02239
−6.05
−6.1
−6.15
−6.2
−6.25
−6.3
−6.35
−6.4
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
10
8
6
4
2
0

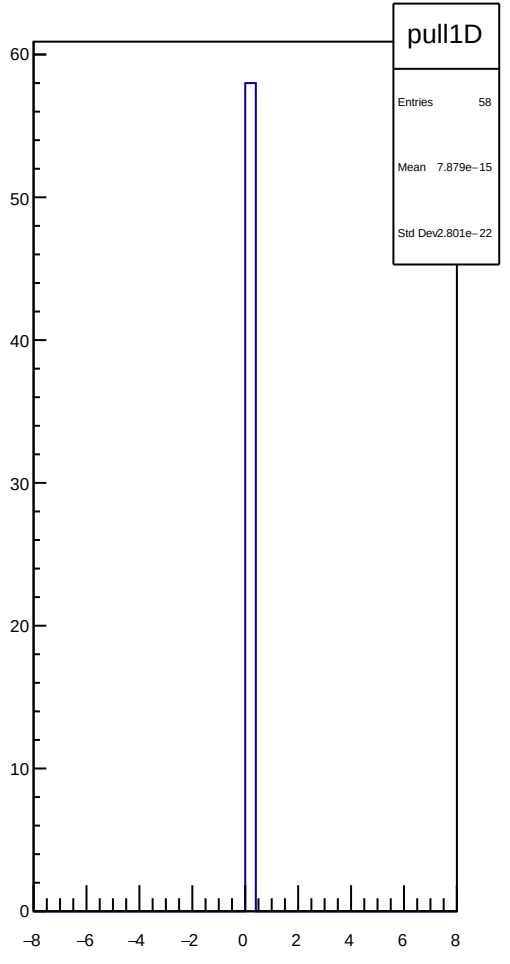

pull1D
Entries 58
Mean 1.042e−14
Std Dev 3.348e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

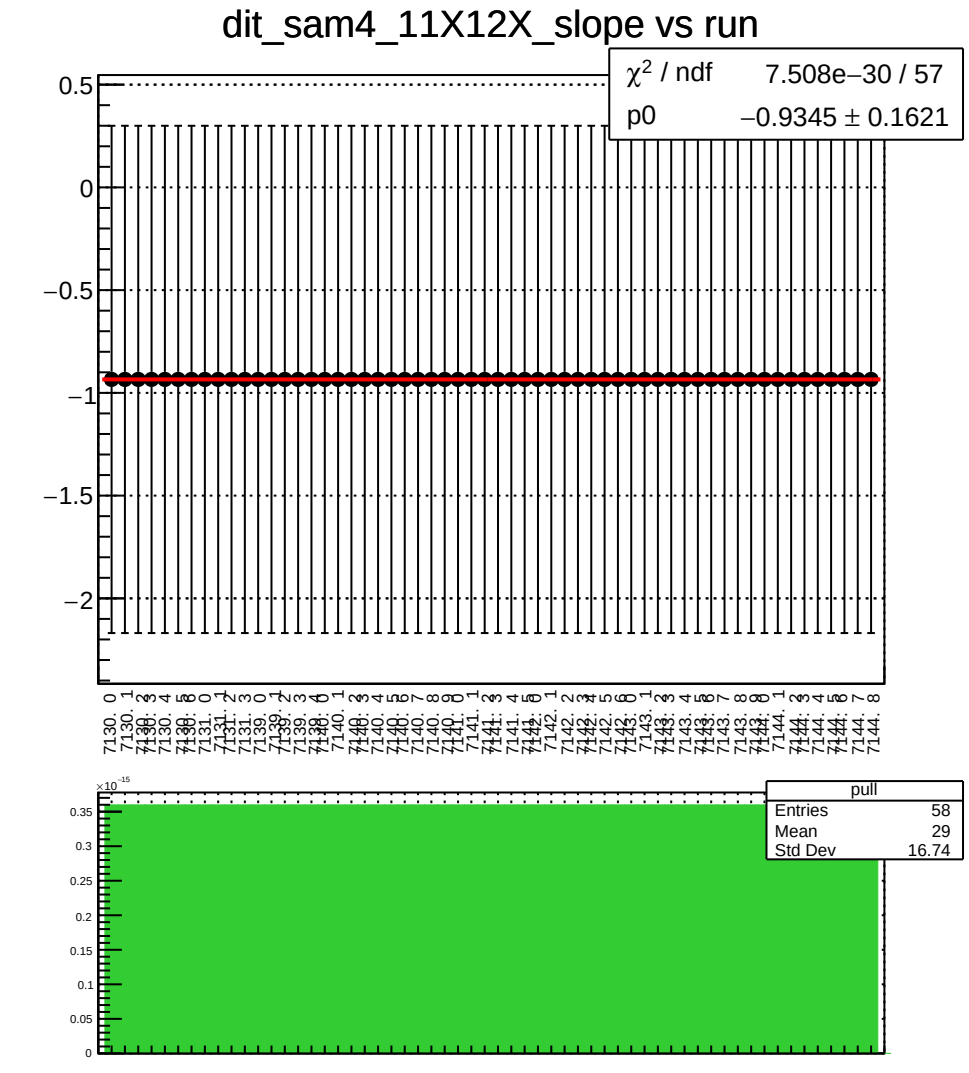

dit_sam3_4eY_slope vs run
χ² / ndf 5.579e−27 / 57
p0 29.48 ± 0.09513
30.2
30
29.8
29.6
29.4
29.2
29
28.8
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
10
8
6
4
2
0

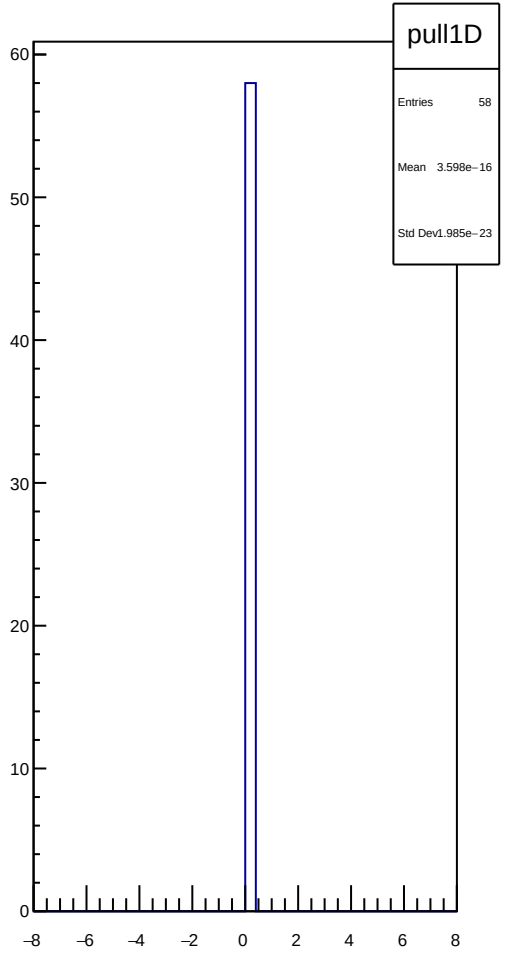

pull1D
Entries 58
Mean 9.808e−15
Std Dev2.118e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

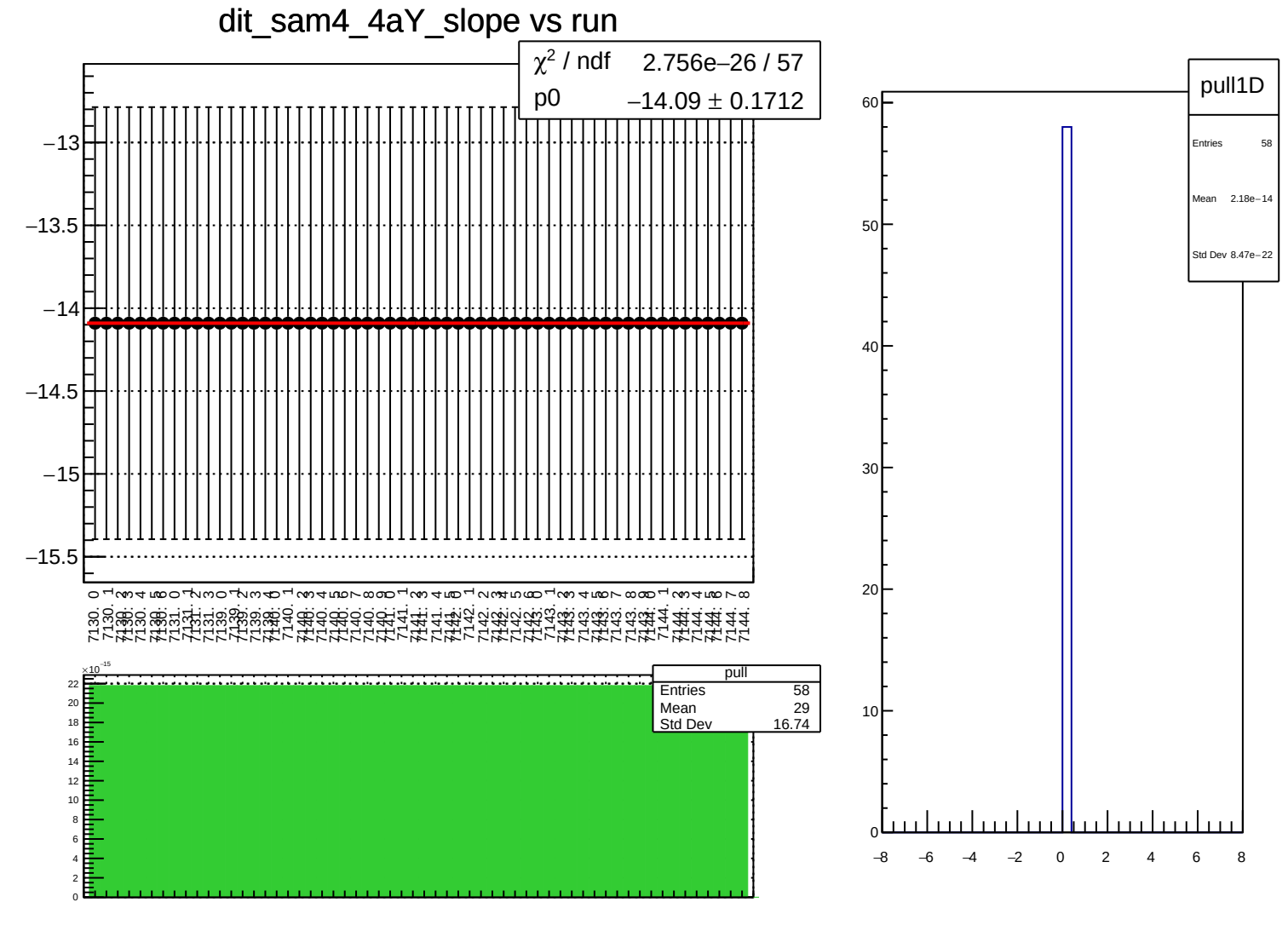

dit_sam4_4aX_slope vs run
χ² / ndf 2.186e−29 / 57
p0 11.86 ± 1.14
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 6.139e−16
Std Dev1.751e−23

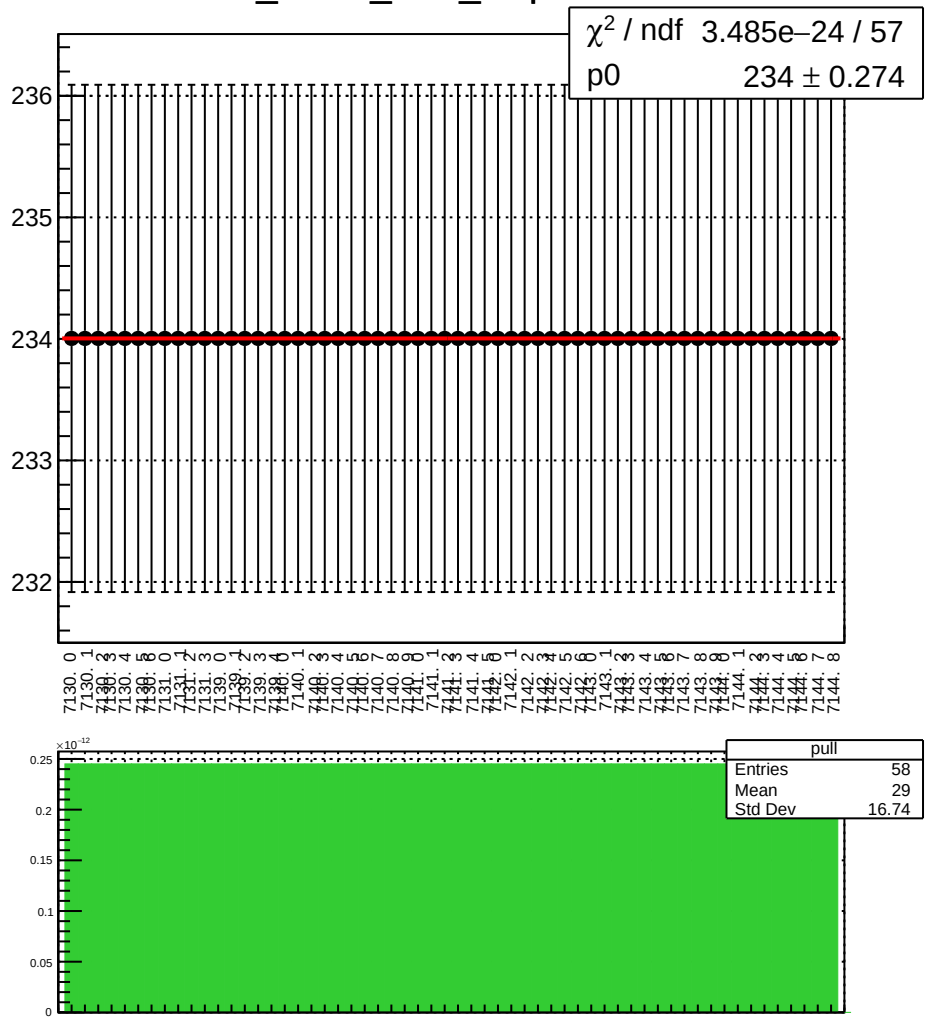

dit_sam4_4eX_slope vs run
χ² / ndf 3.6e−27 / 57
p0 −167.1 ± 0.9474
−160
−162
−164
−166
−168
−170
−172
−174
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

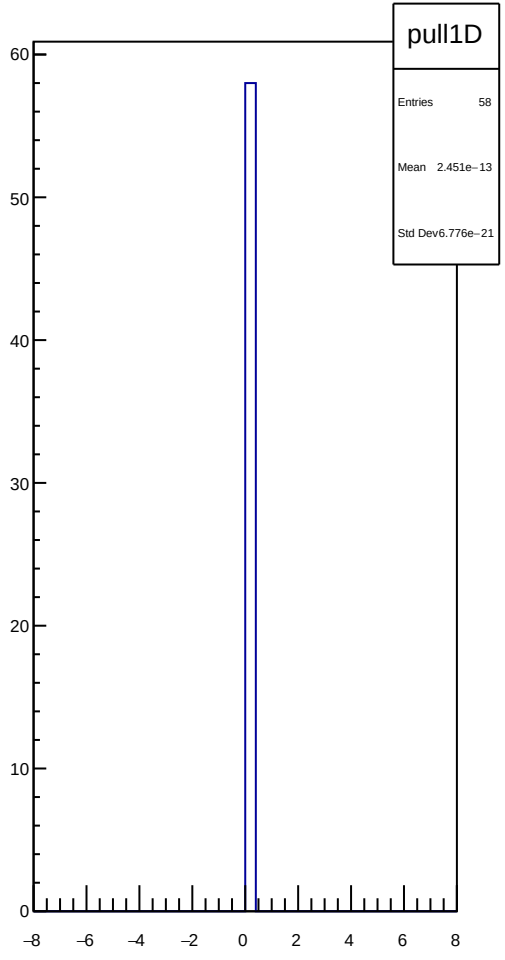

pull1D
Entries 58
Mean 7.879e−15
Std Dev 2.801e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

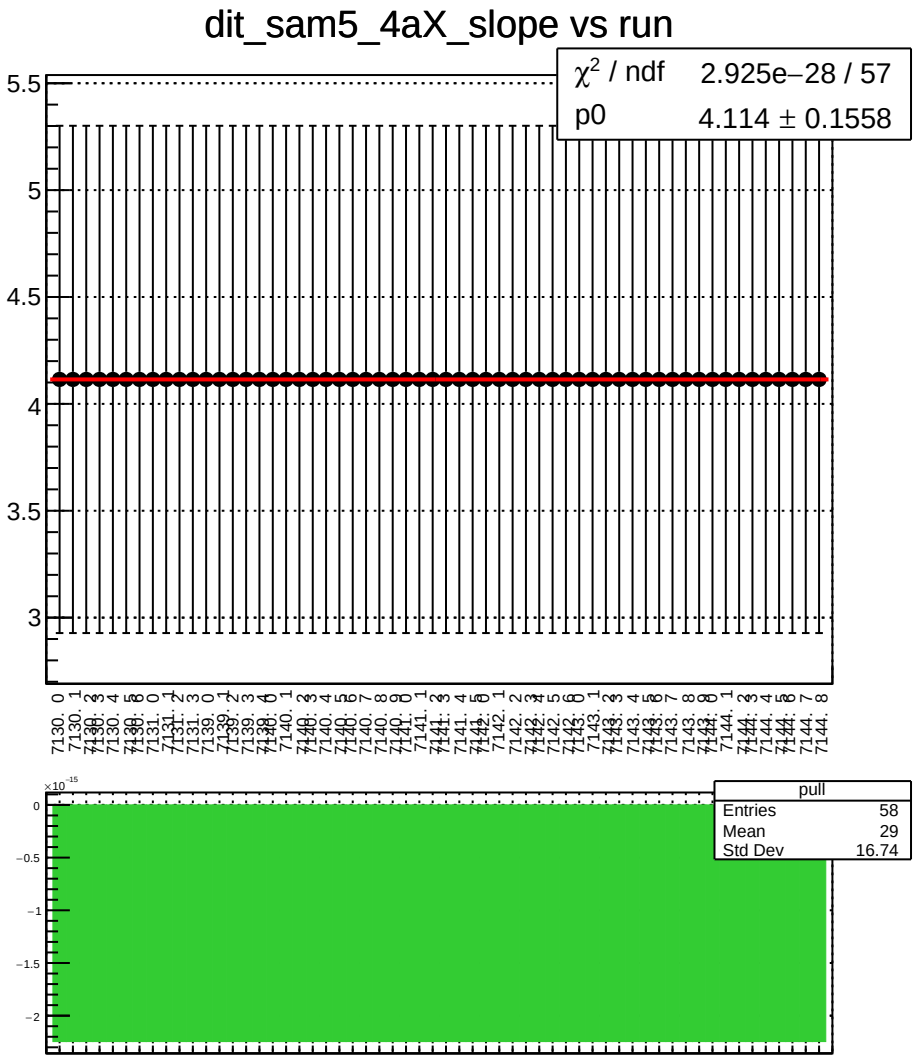

dit_sam4_11X12X_slope vs run
χ² / ndf 7.508e−30 / 57
p0 −0.9345 ± 0.1621
pull
Entries 58
Mean 29
Std Dev 16.74

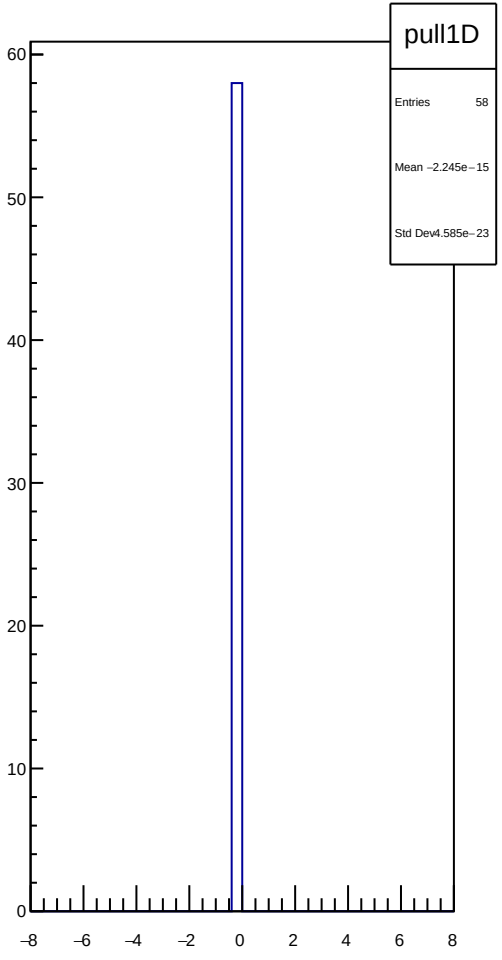

pull1D
Entries 58
Mean 3.598e−16
Std Dev1.985e−23

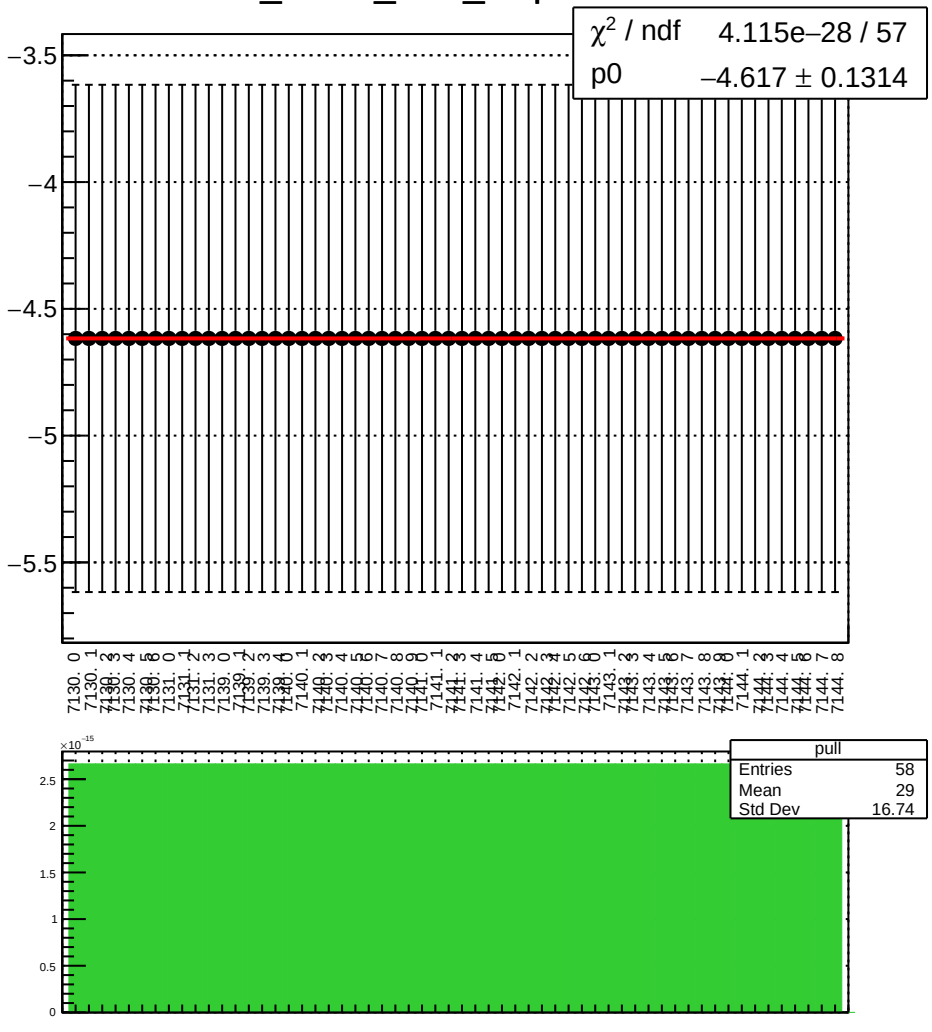

dit_sam4_4aY_slope vs run
χ² / ndf 2.756e−26 / 57
p0 −14.09 ± 0.1712
−13
−13.5
−14
−14.5
−15
−15.5
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 2.18e−14
Std Dev 8.47e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

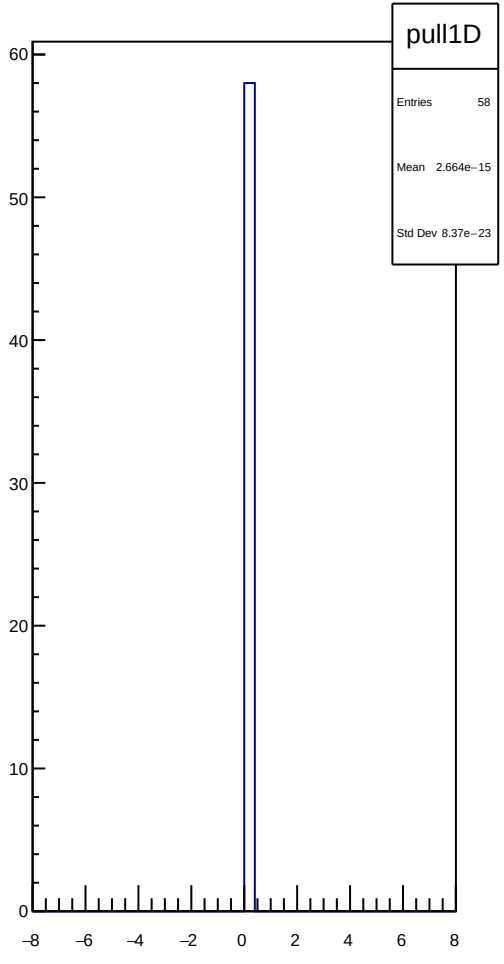

dit_sam4_4eY_slope vs run
χ² / ndf 3.485e−24 / 57
p0 234 ± 0.274
236
235
234
233
232
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

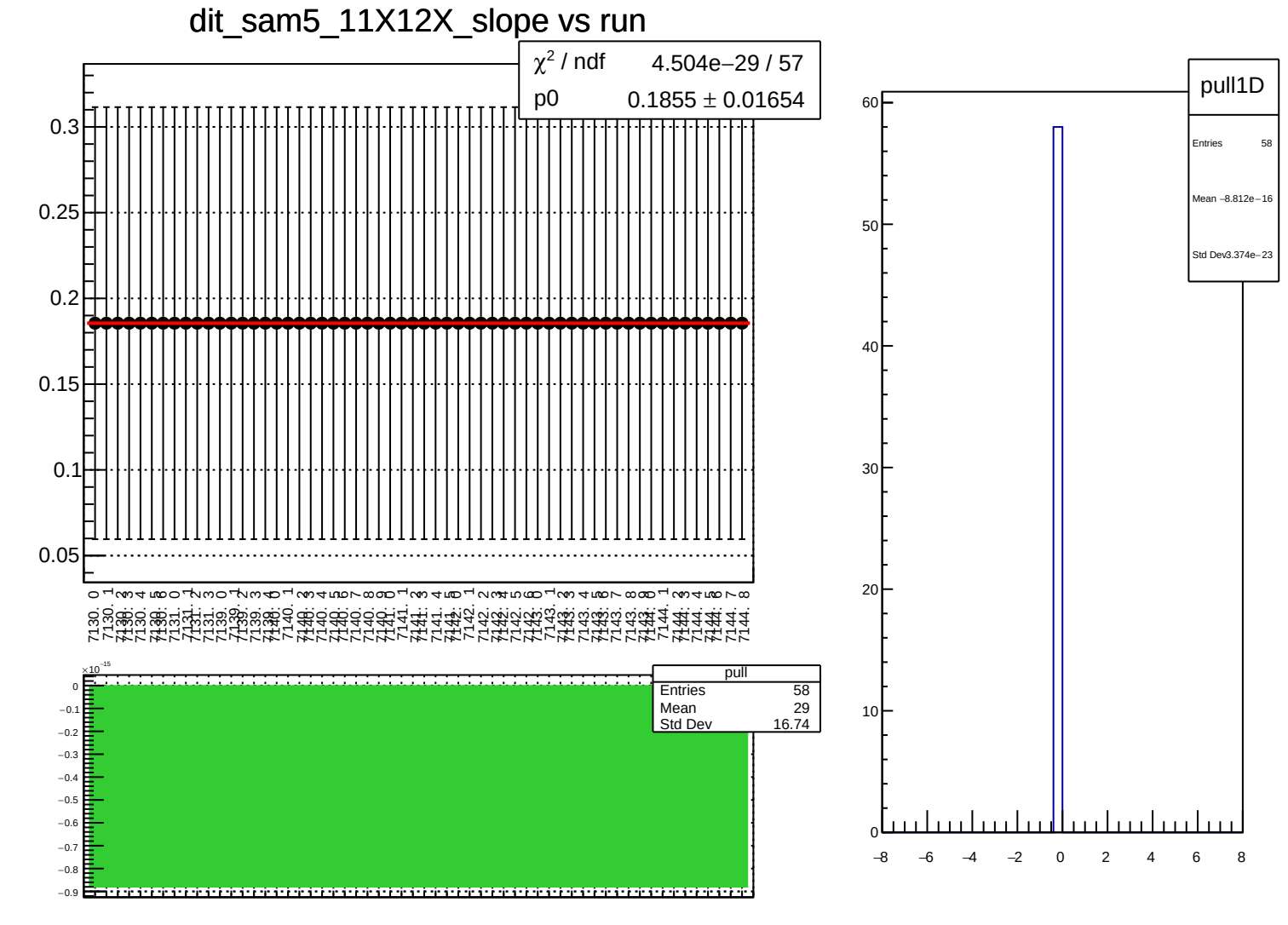

pull1D
Entries 58
Mean 2.451e−13
Std Dev6.776e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

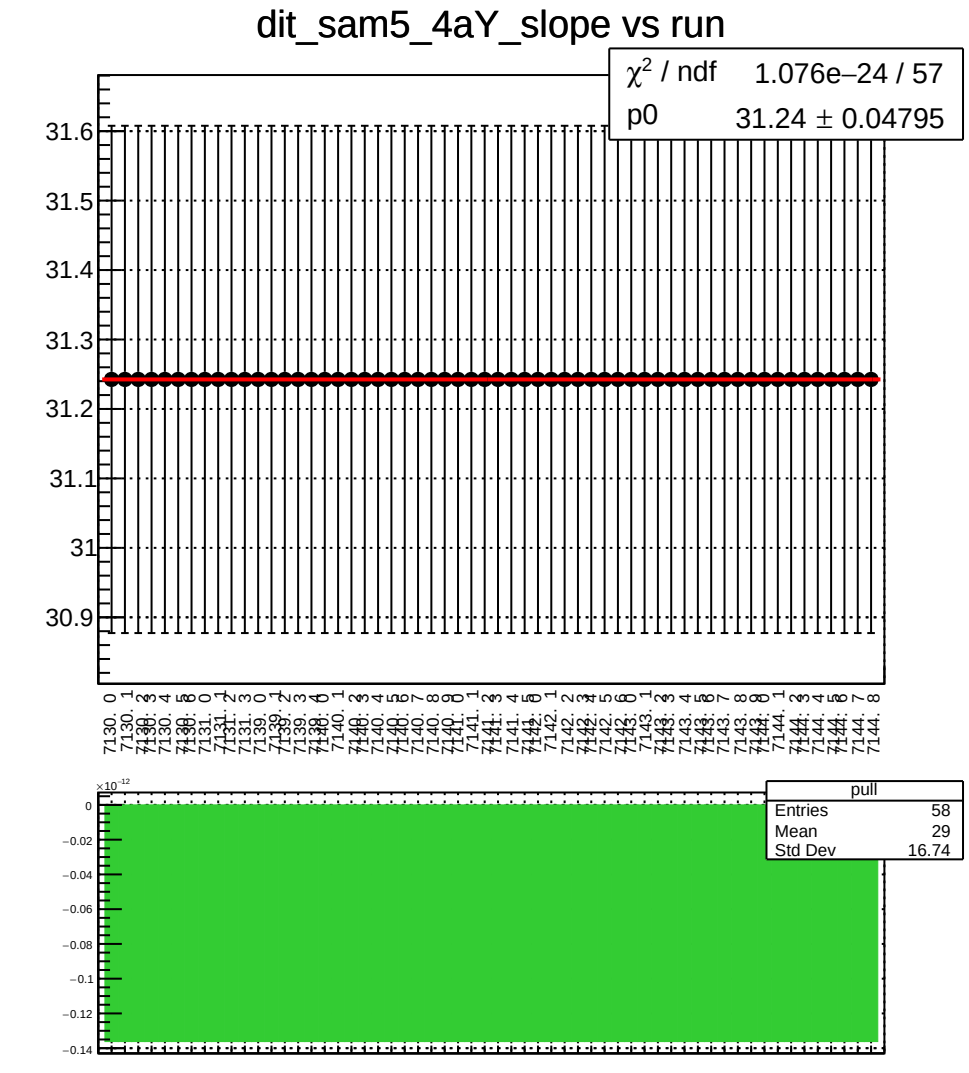

dit_sam5_4aX_slope vs run
χ² / ndf 2.925e−28 / 57
p0 4.114 ± 0.1558
pull
Entries 58
Mean 29
Std Dev 16.74

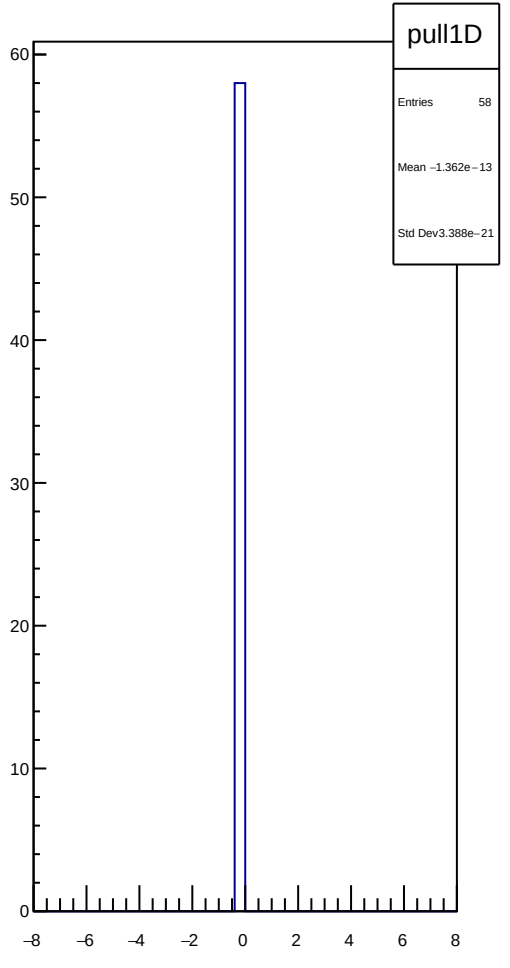

pull1D
Entries 58
Mean −2.245e−15
Std Dev4.585e−23

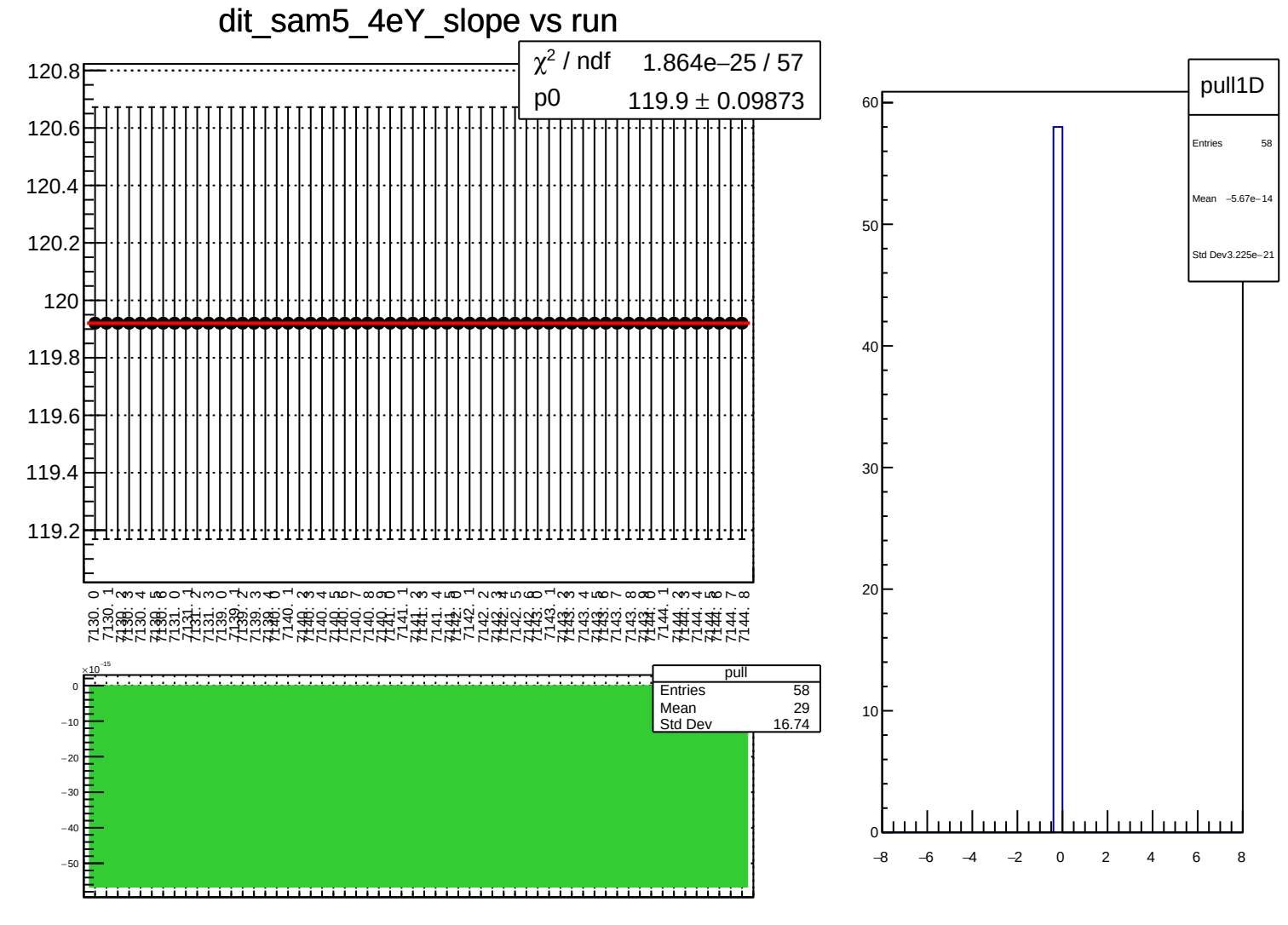

dit_sam5_4eX_slope vs run
χ² / ndf 4.115e−28 / 57
p0 −4.617 ± 0.1314
−3.5
−4
−4.5
−5
−5.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

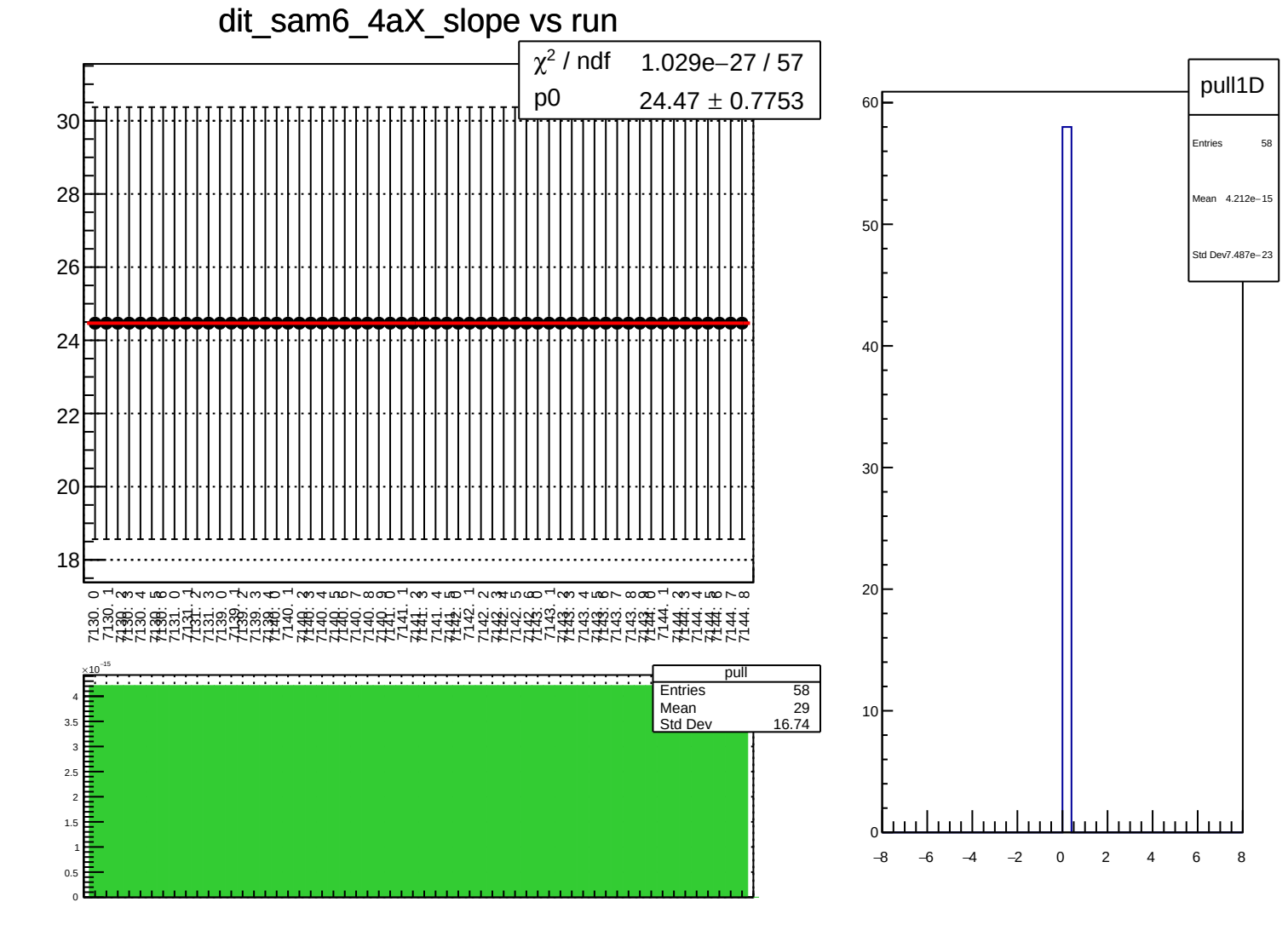

pull1D
Entries 58
Mean 2.664e−15
Std Dev 8.37e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

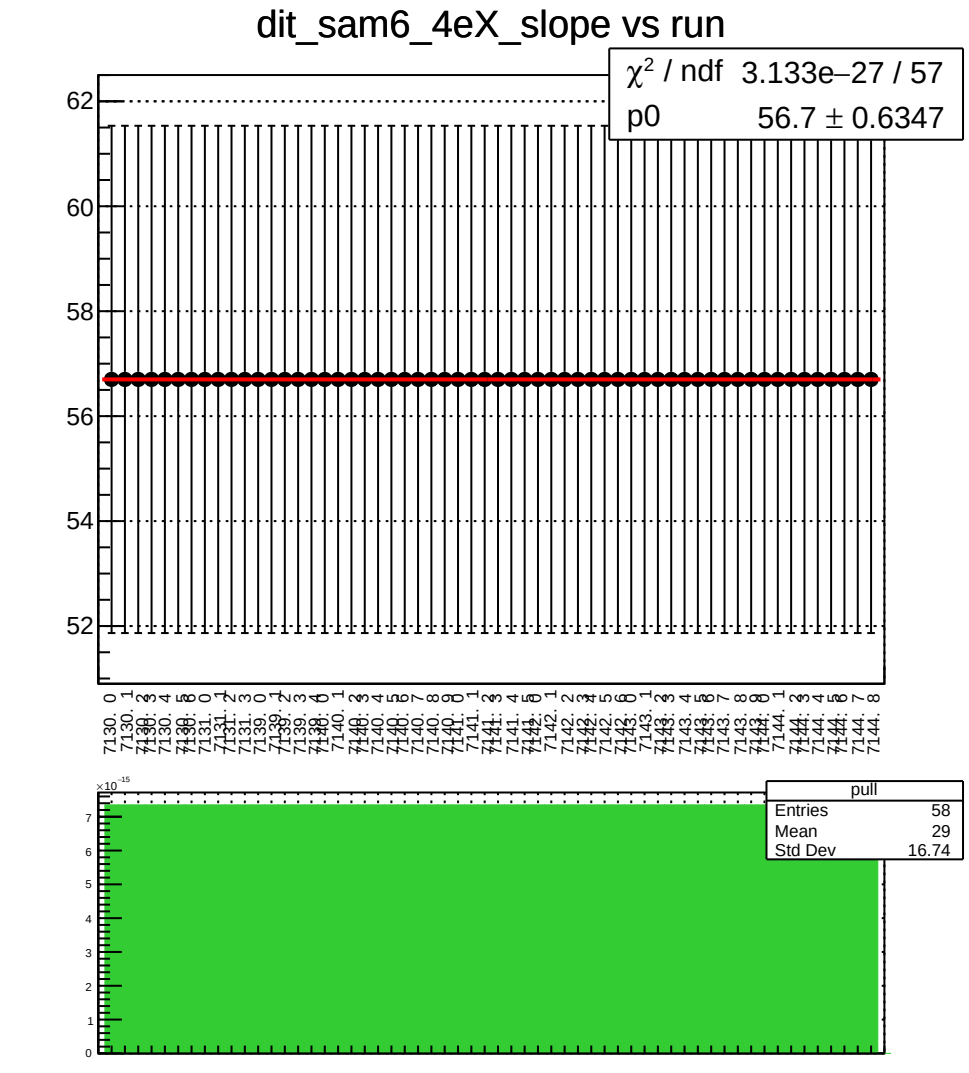

dit_sam5_11X12X_slope vs run
χ² / ndf 4.504e−29 / 57
p0 0.1855 ± 0.01654
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull1D
Entries 58
Mean −8.812e−16
Std Dev 3.374e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

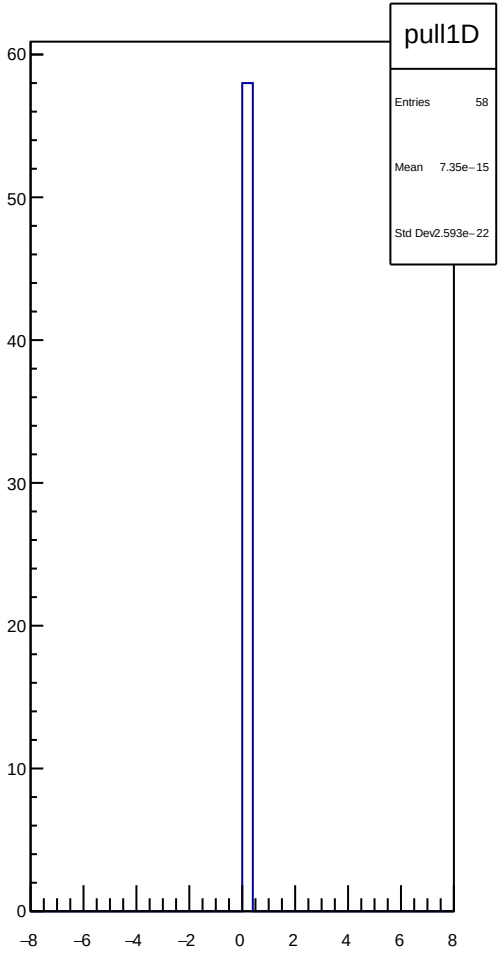

dit_sam5_4aY_slope vs run
χ² / ndf 1.076e−24 / 57
p0 31.24 ± 0.04795
31.6
31.5
31.4
31.3
31.2
31.1
31
30.9
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

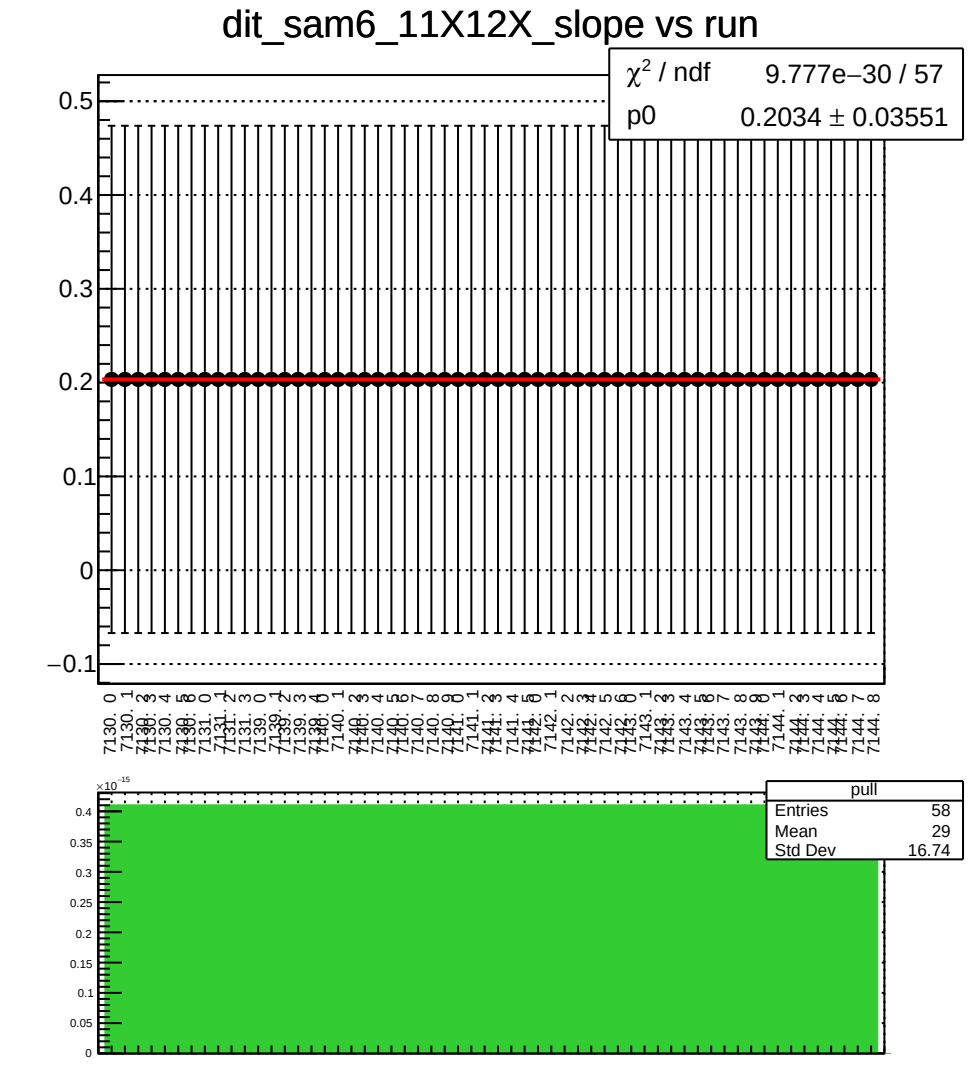

pull1D
Entries 58
Mean −1.362e−13
Std Dev3.388e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

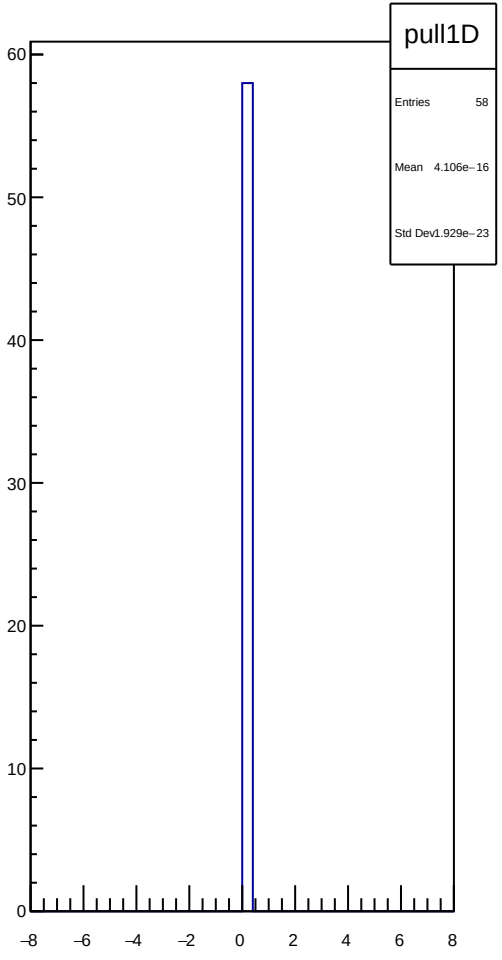

dit_sam5_4eY_slope vs run
χ² / ndf 1.864e−25 / 57
p0 119.9 ± 0.09873
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −5.67e−14
Std Dev3.225e−21

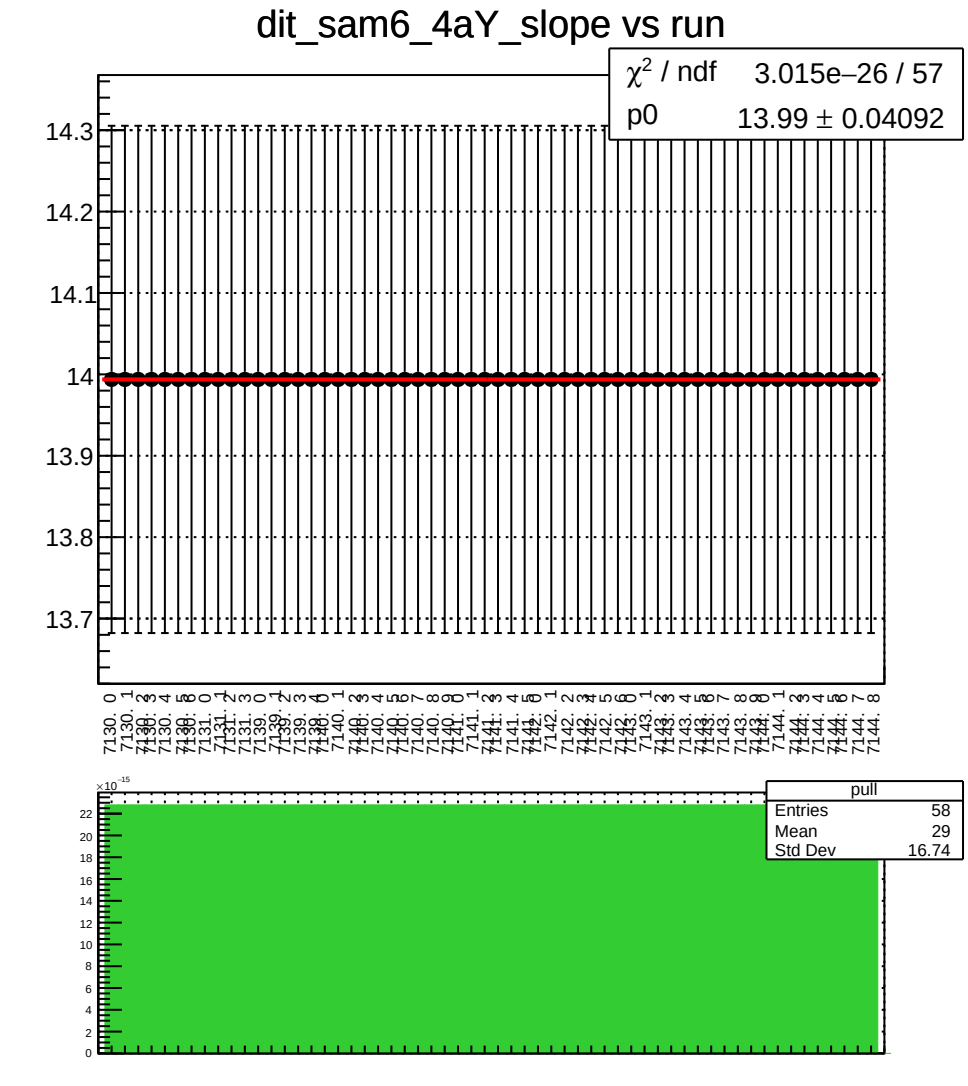

dit_sam6_4aX_slope vs run
χ² / ndf 1.029e−27 / 57
p0 24.47 ± 0.7753
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 4.212e−15
Std Dev7.487e−23

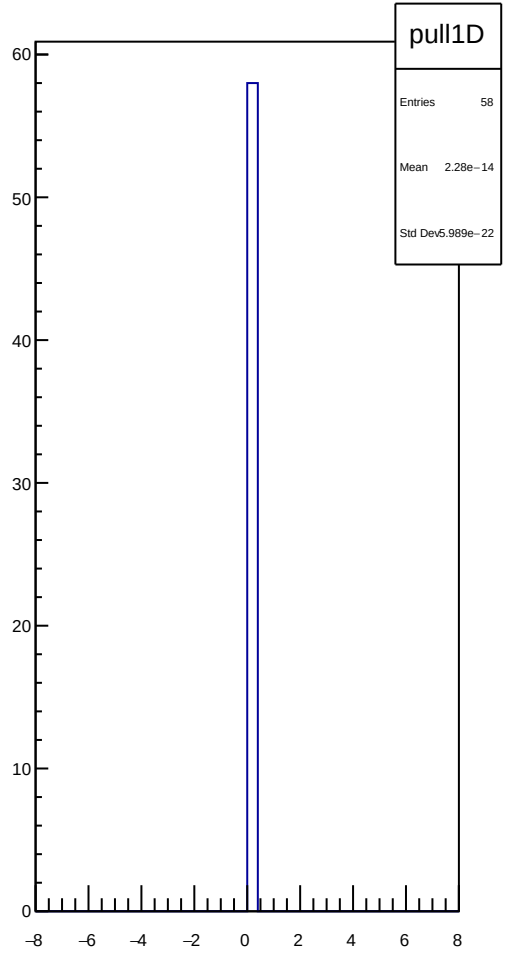

dit_sam6_4eX_slope vs run
χ² / ndf 3.133e−27 / 57
p0 56.7 ± 0.6347
pull
Entries 58
Mean 29
Std Dev 16.74

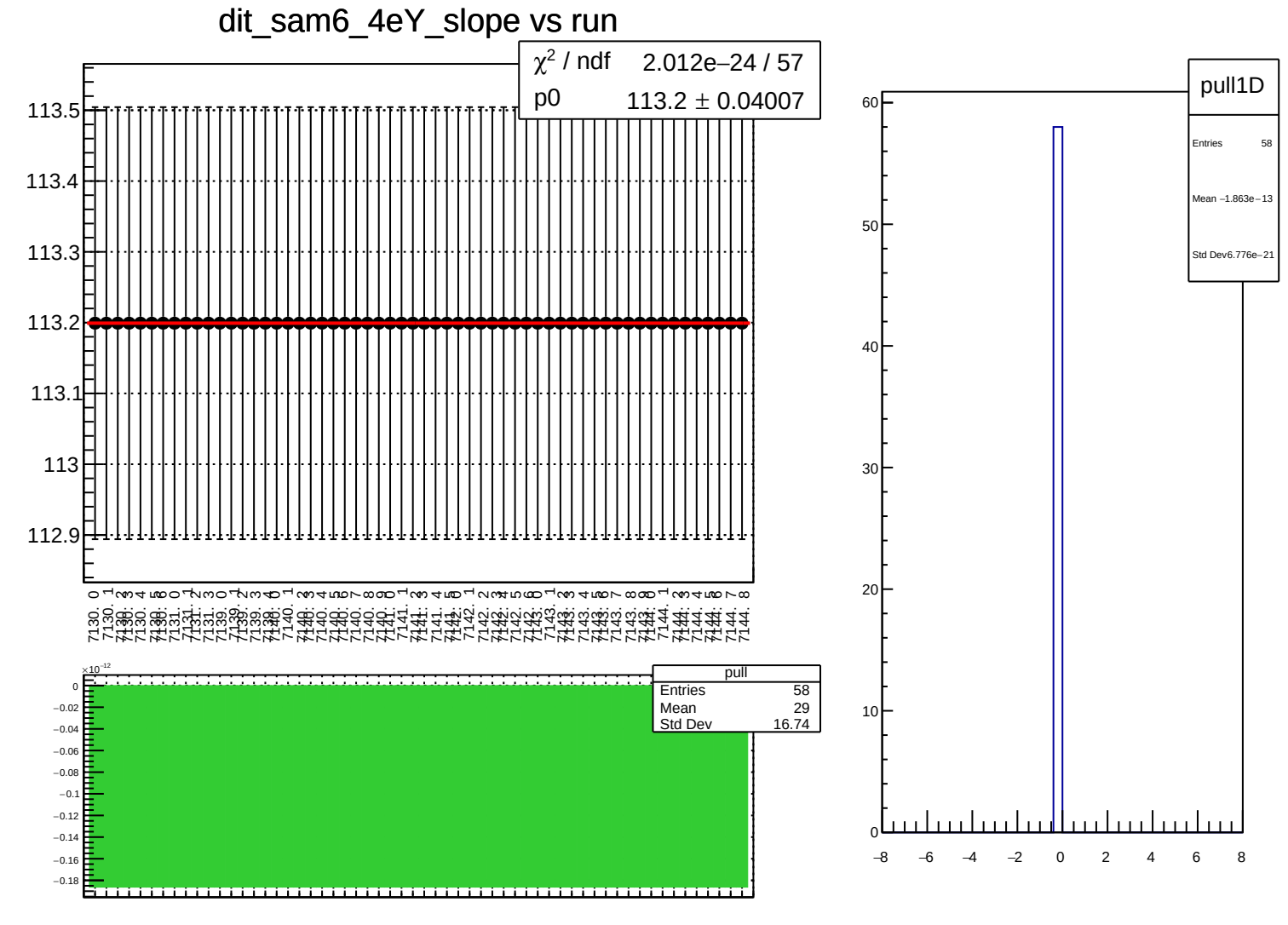

pull1D
Entries 58
Mean 7.35e−15
Std Dev 2.593e−22

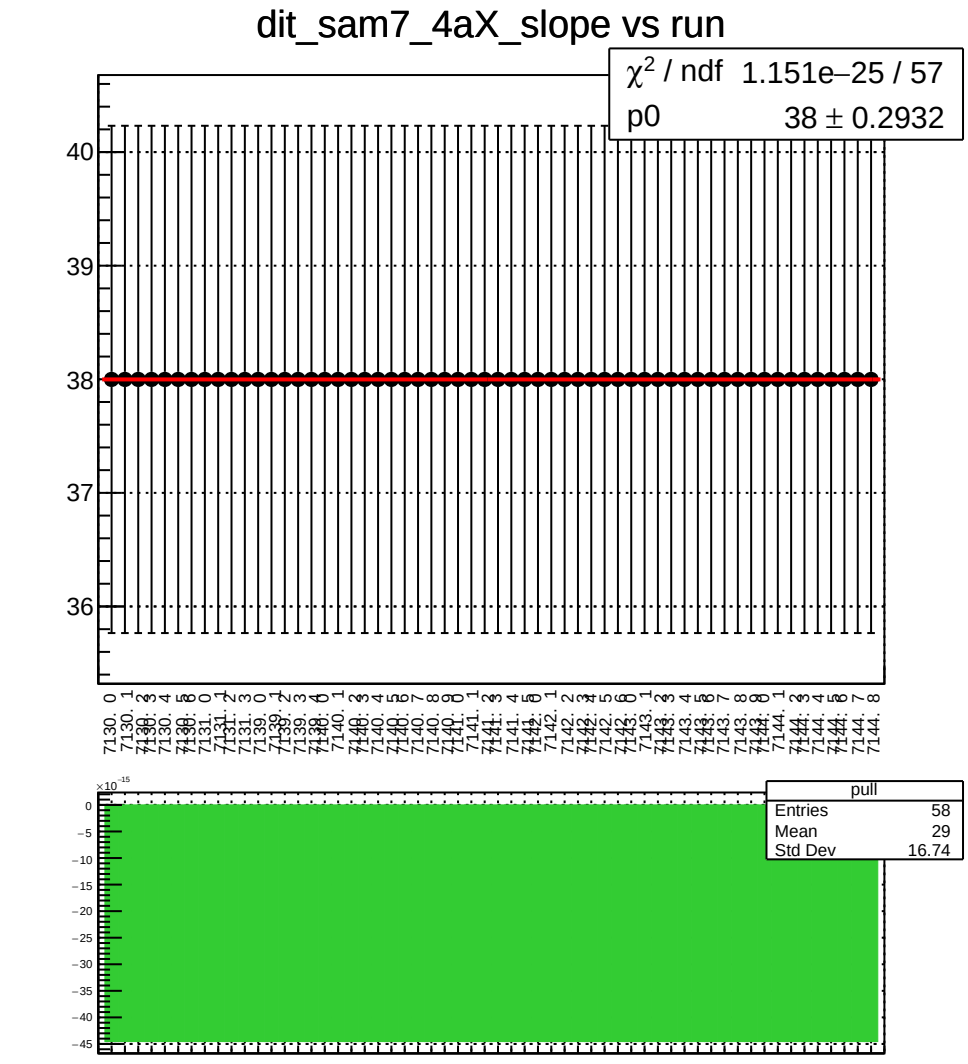

dit_sam6_11X12X_slope vs run
χ² / ndf 9.777e−30 / 57
p0 0.2034 ± 0.03551
pull
Entries 58
Mean 29
Std Dev 16.74

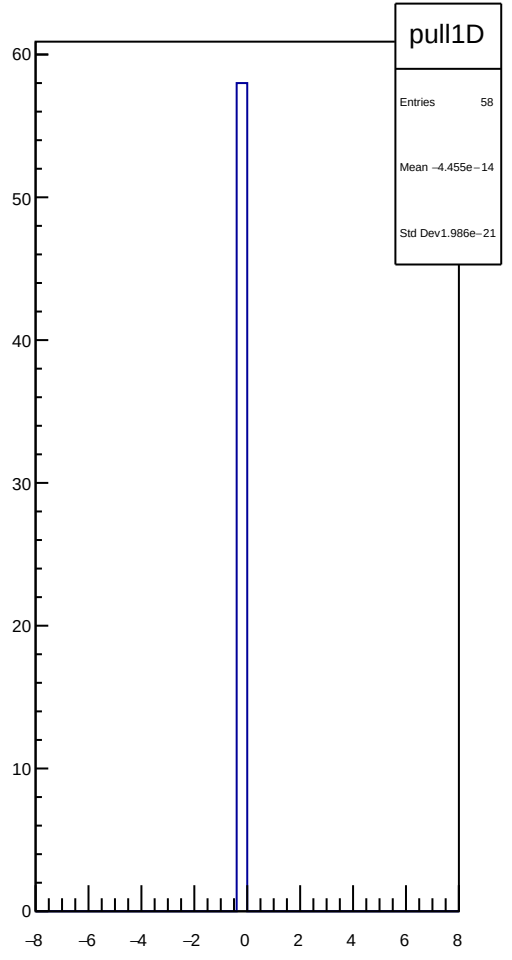

pull1D
Entries 58
Mean 4.106e−16
Std Dev 1.929e−23

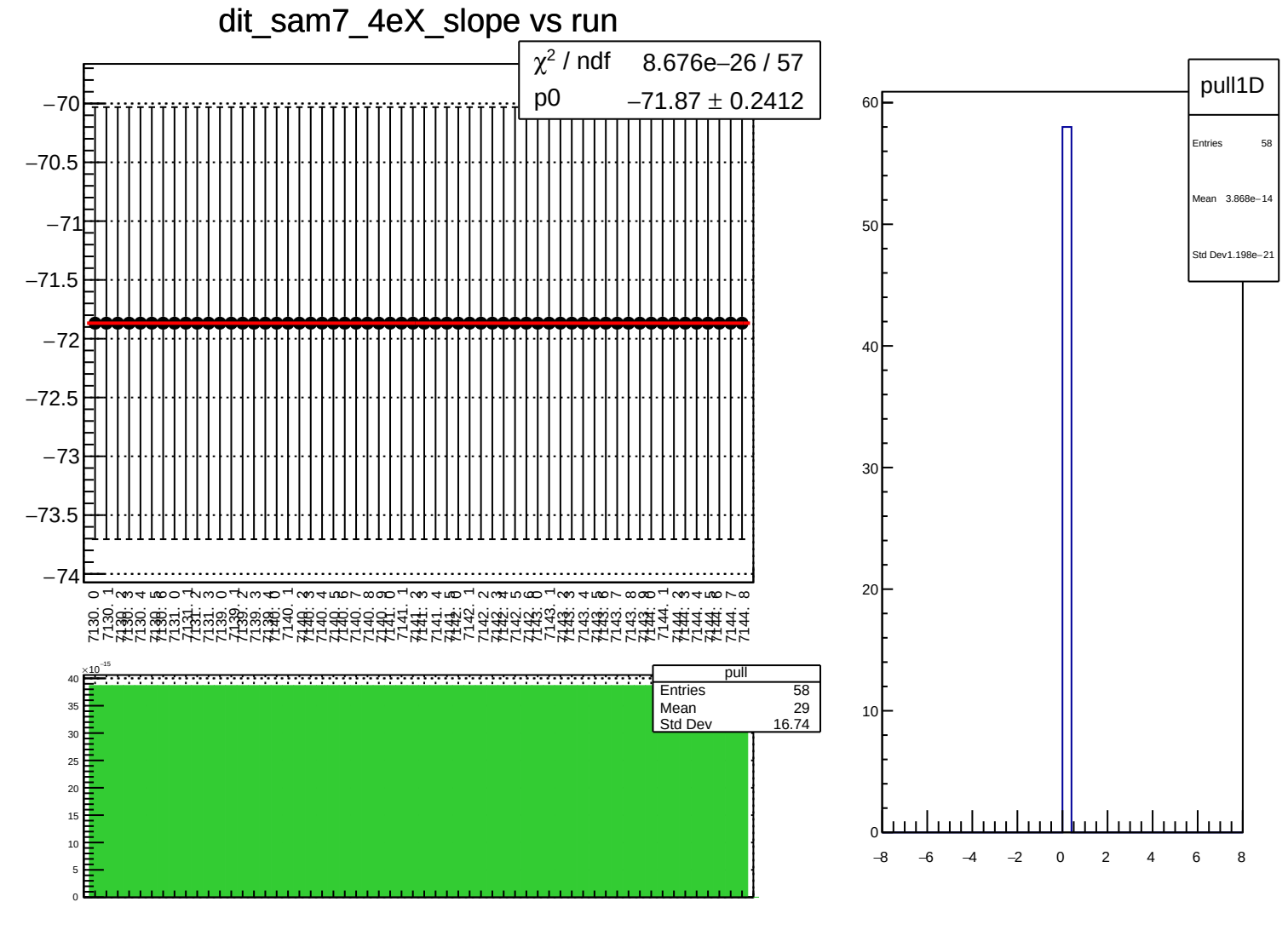

dit_sam6_4aY_slope vs run
χ² / ndf 3.015e−26 / 57
p0 13.99 ± 0.04092
14.3
14.2
14.1
14
13.9
13.8
13.7
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

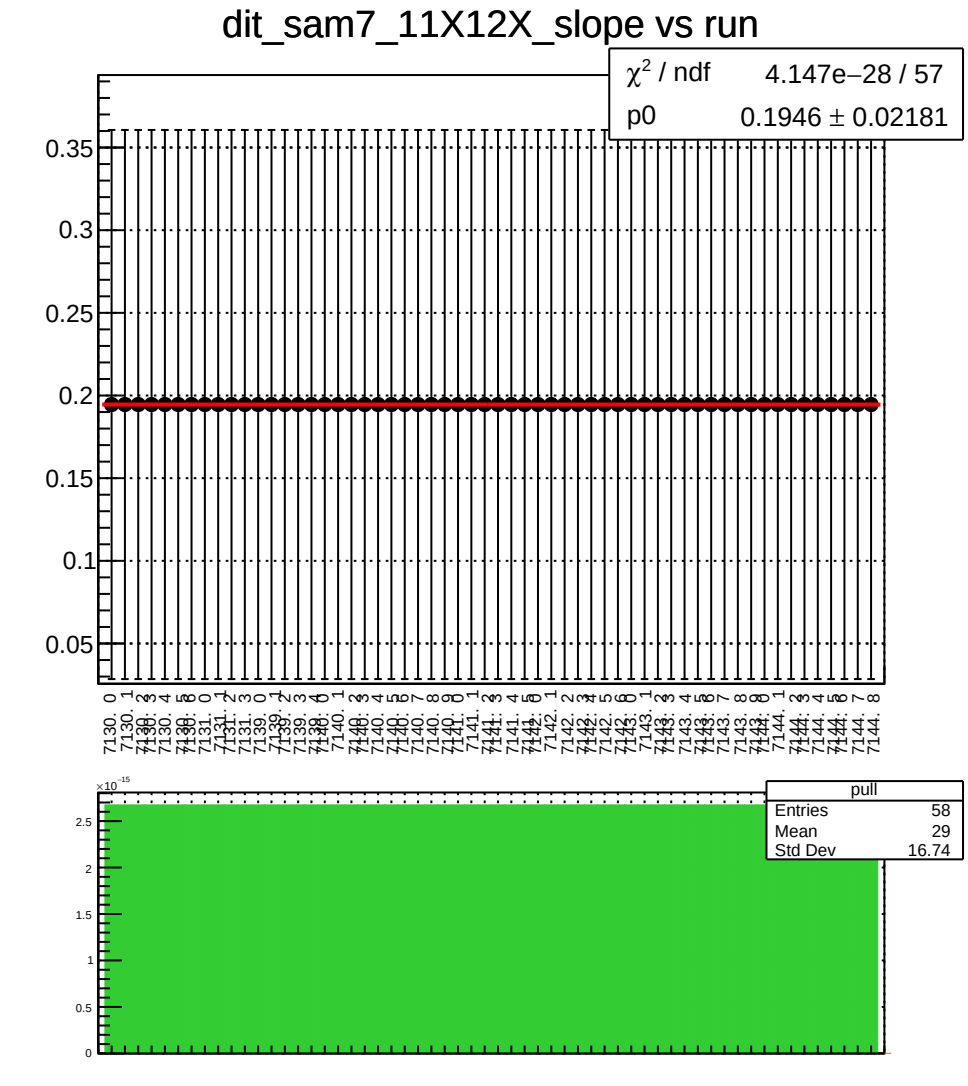

pull1D
Entries 58
Mean 2.28e−14
Std Dev 5.989e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

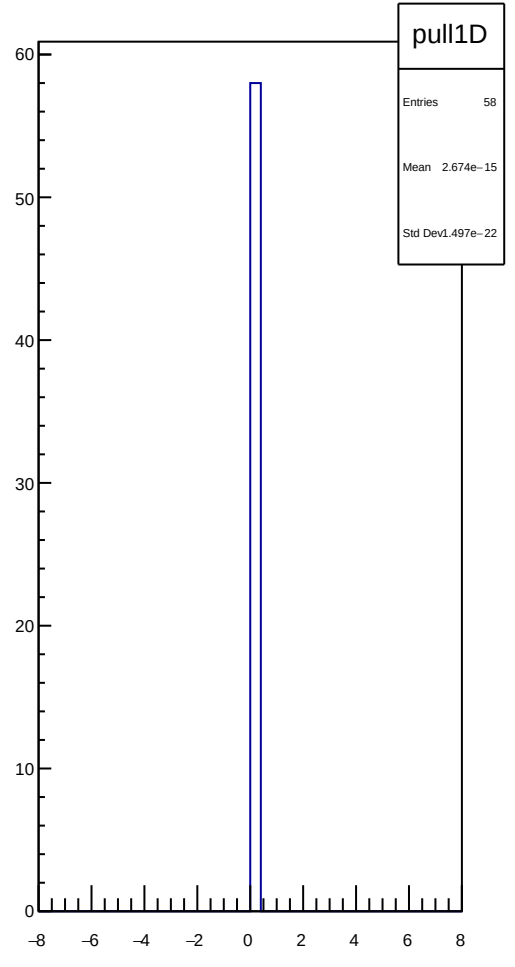

dit_sam6_4eY_slope vs run
χ² / ndf 2.012e−24 / 57
p0 113.2 ± 0.04007
113.5
113.4
113.3
113.2
113.1
113
112.9
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 58
Mean −1.863e−13
Std Dev6.776e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

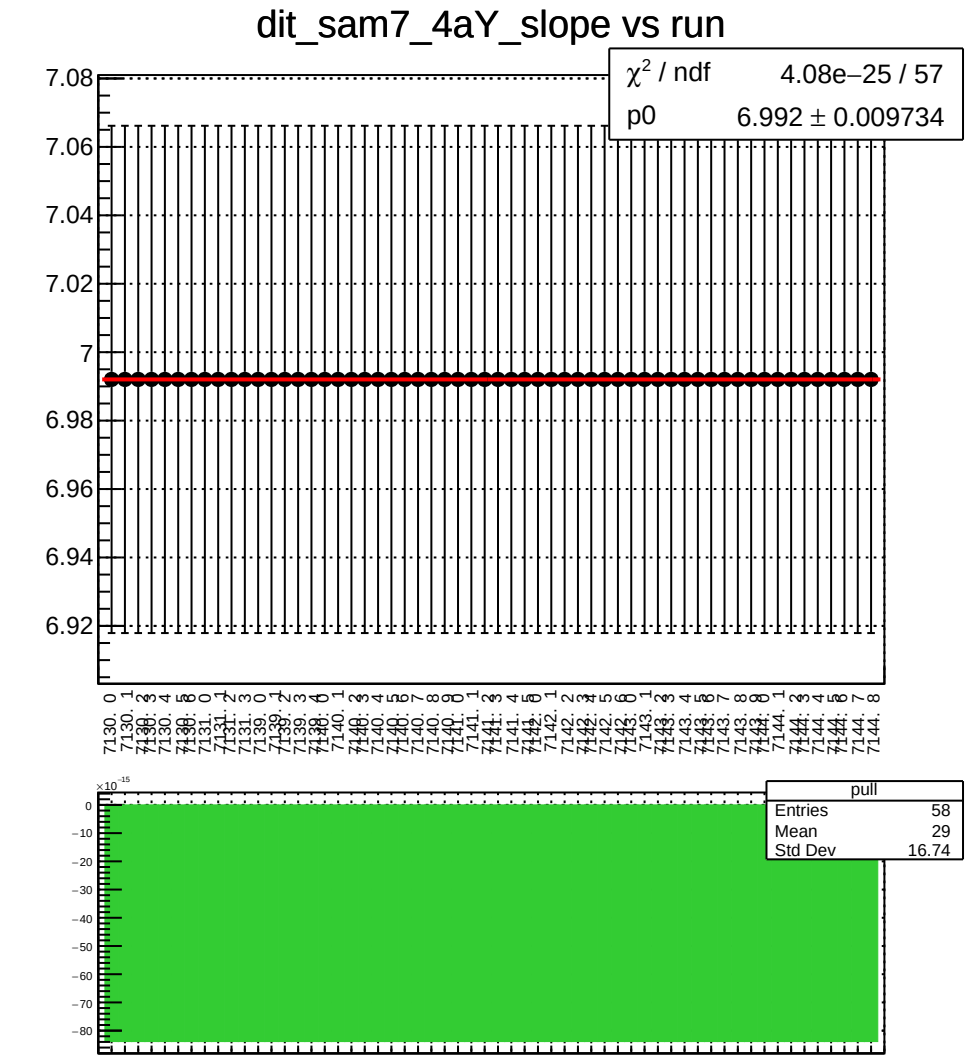

dit_sam7_4aX_slope vs run
χ² / ndf 1.151e−25 / 57
p0 38 ± 0.2932
40
39
38
37
36
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

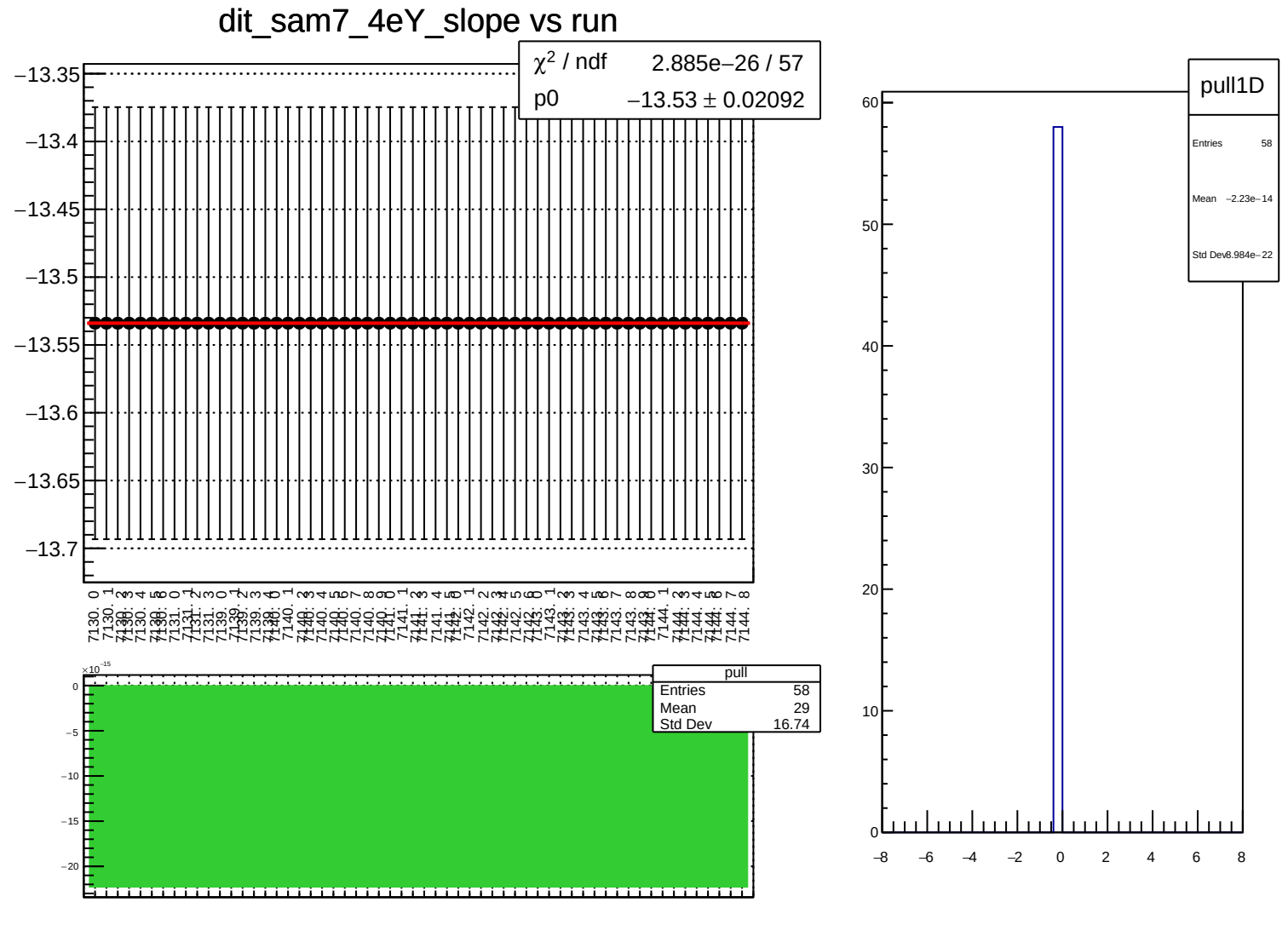

pull1D
Entries 58
Mean −4.455e−14
Std Dev 1.986e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

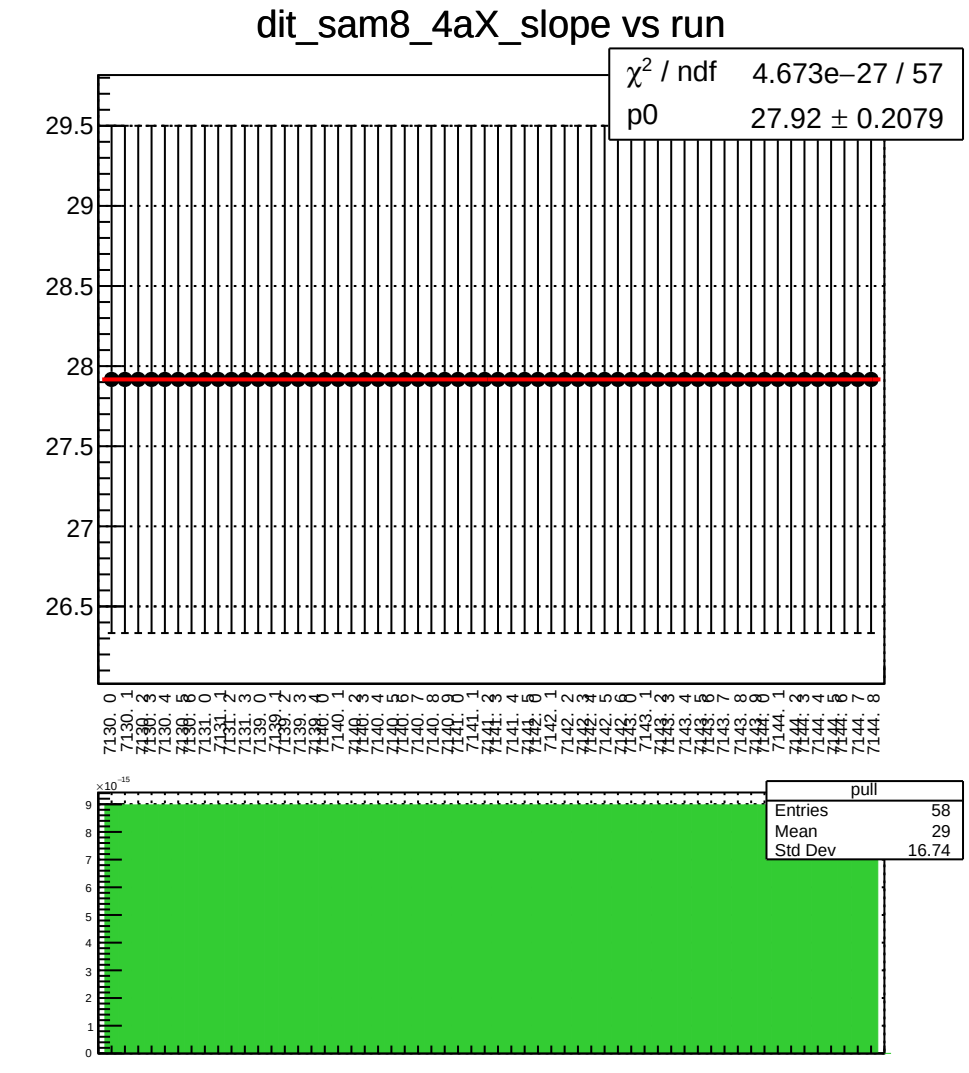

dit_sam7_4eX_slope vs run
χ² / ndf 8.676e−26 / 57
p0 −71.87 ± 0.2412
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 3.868e−14
Std Dev1.198e−21

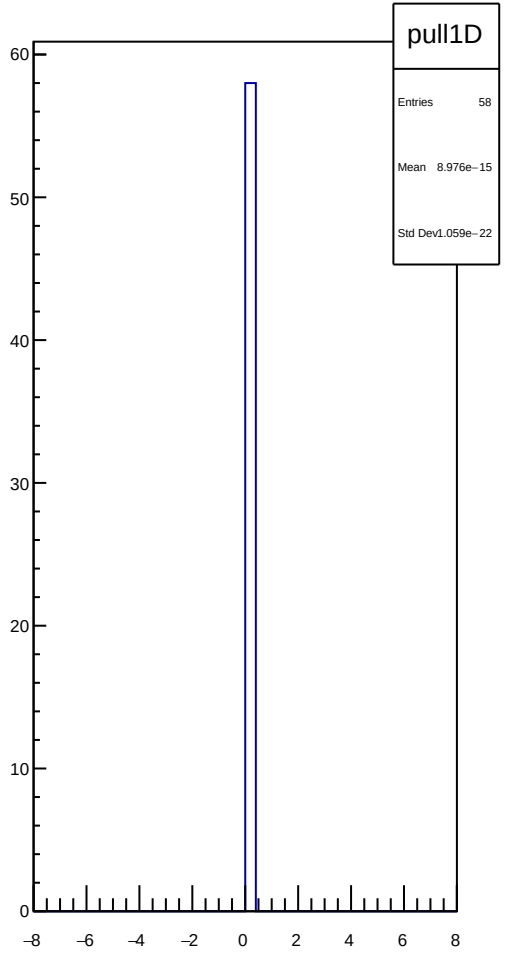

dit_sam7_11X12X_slope vs run
χ² / ndf 4.147e−28 / 57
p0 0.1946 ± 0.02181
0.35
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

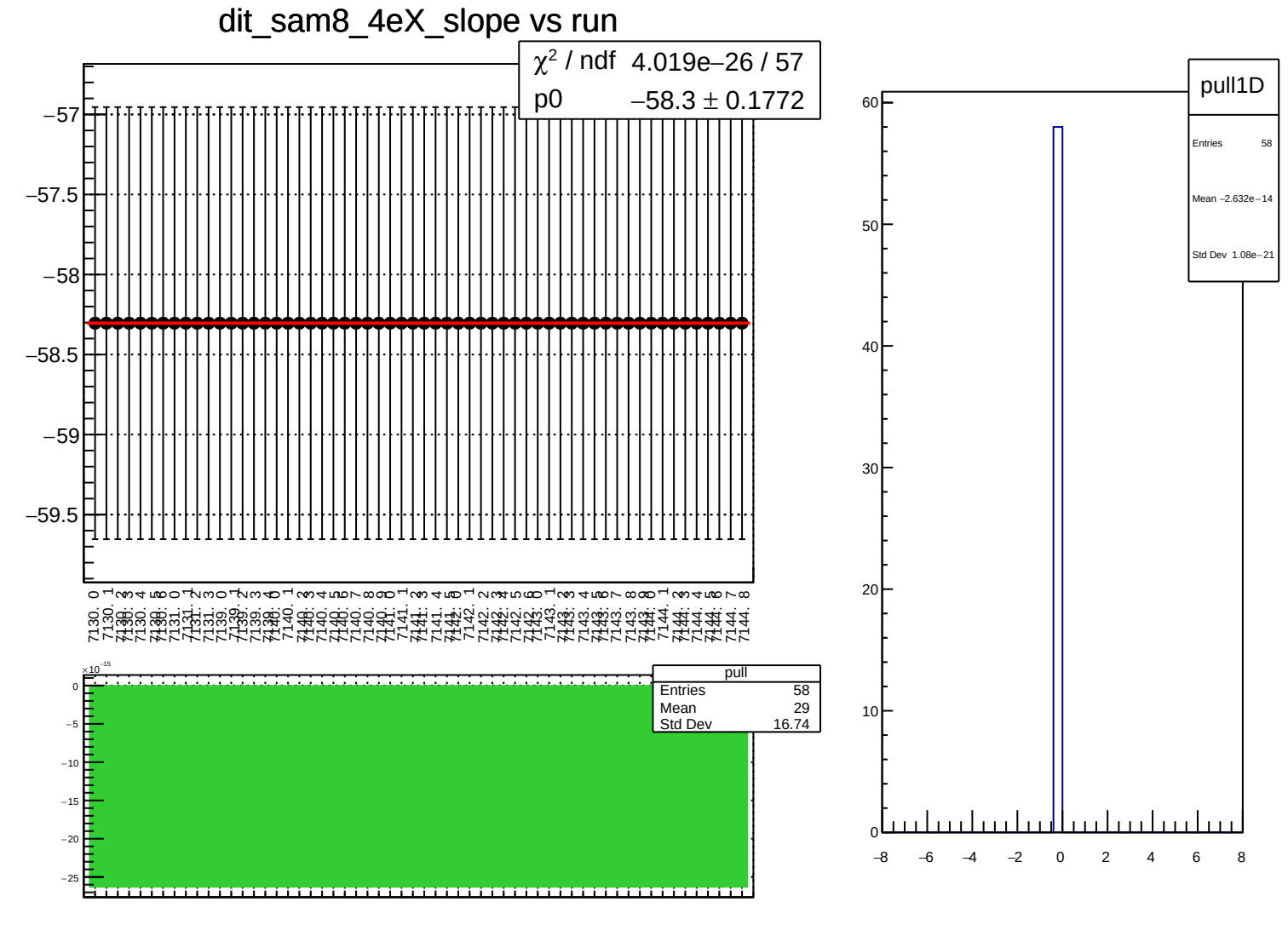

pull1D
Entries 58
Mean 2.674e−15
Std Dev1.497e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

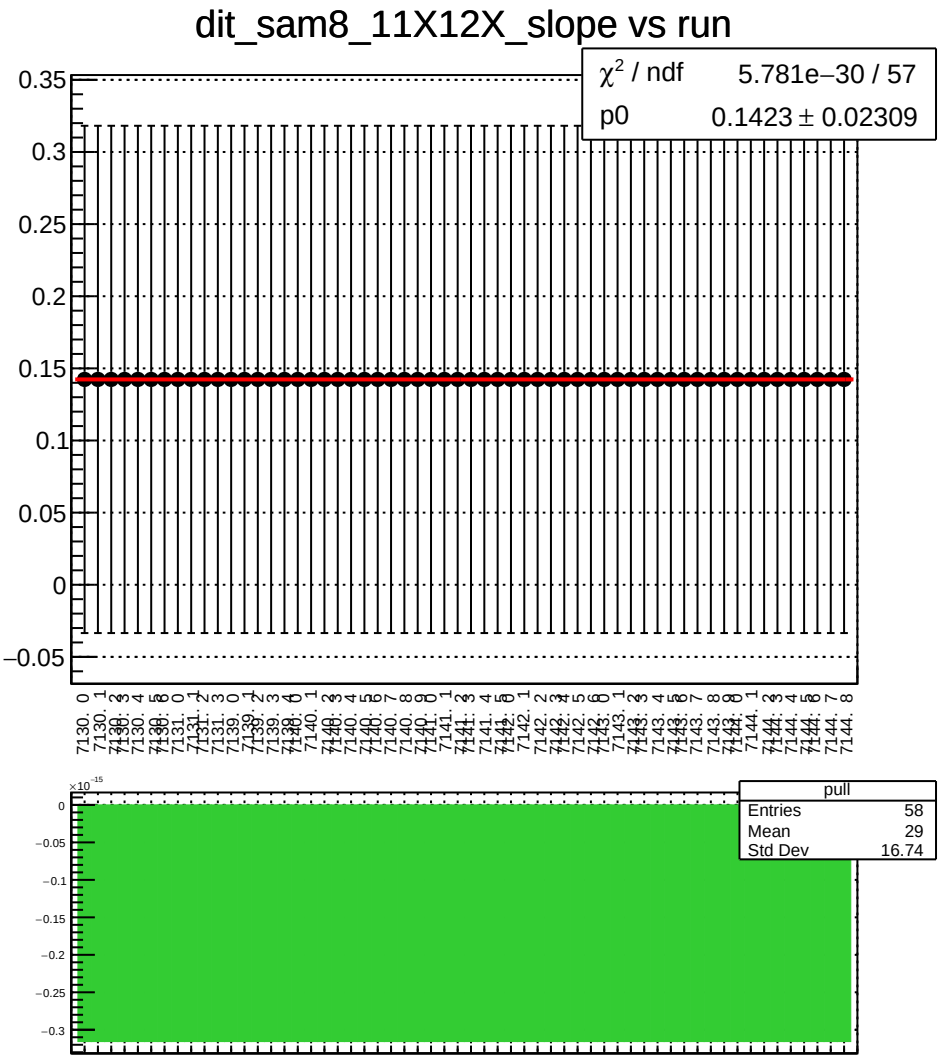

dit_sam7_4aY_slope vs run
χ² / ndf 4.08e−25 / 57
p0 6.992 ± 0.009734
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −8.387e−14
Std Dev2.679e−21

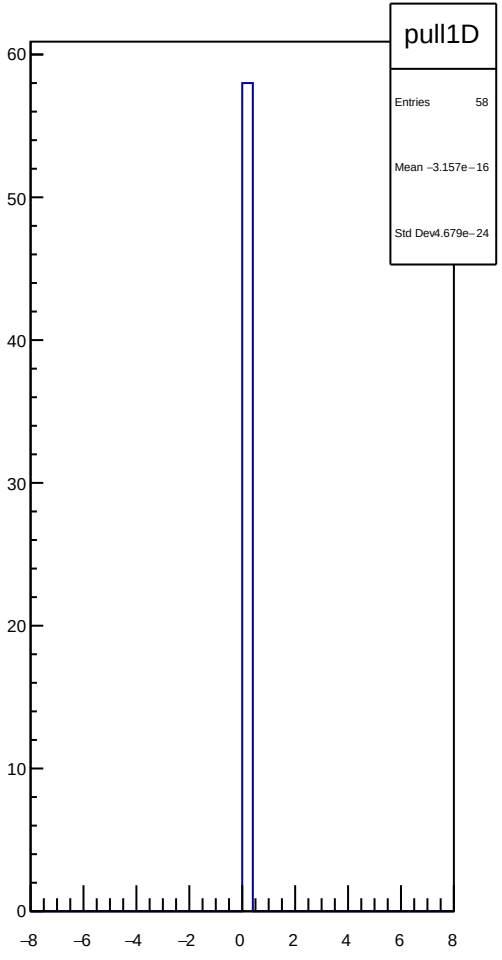

dit_sam7_4eY_slope vs run
χ² / ndf 2.885e−26 / 57
p0 −13.53 ± 0.02092
−13.35
−13.4
−13.45
−13.5
−13.55
−13.6
−13.65
−13.7
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 58
Mean −2.23e−14
Std Dev 8.984e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

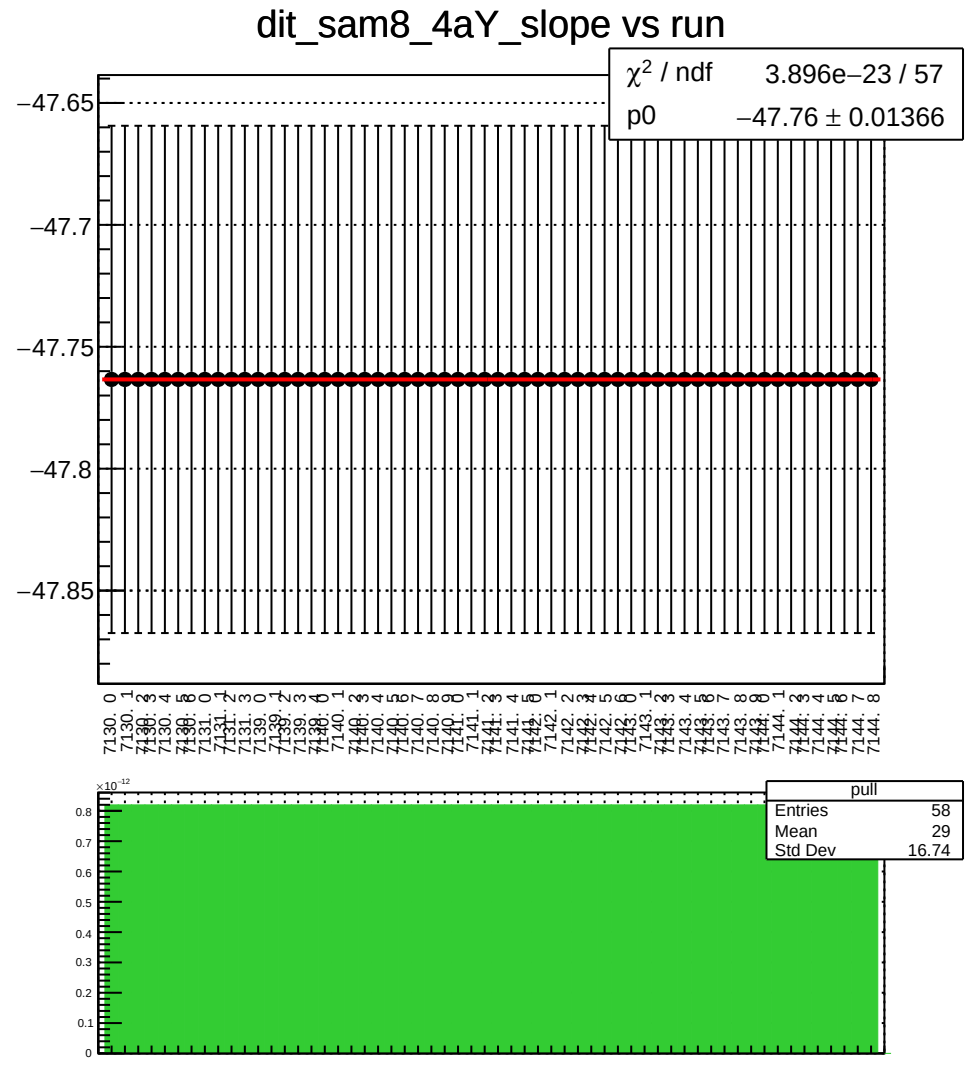

dit_sam8_4aX_slope vs run
χ² / ndf 4.673e−27 / 57
p0 27.92 ± 0.2079
pull
Entries 58
Mean 29
Std Dev 16.74

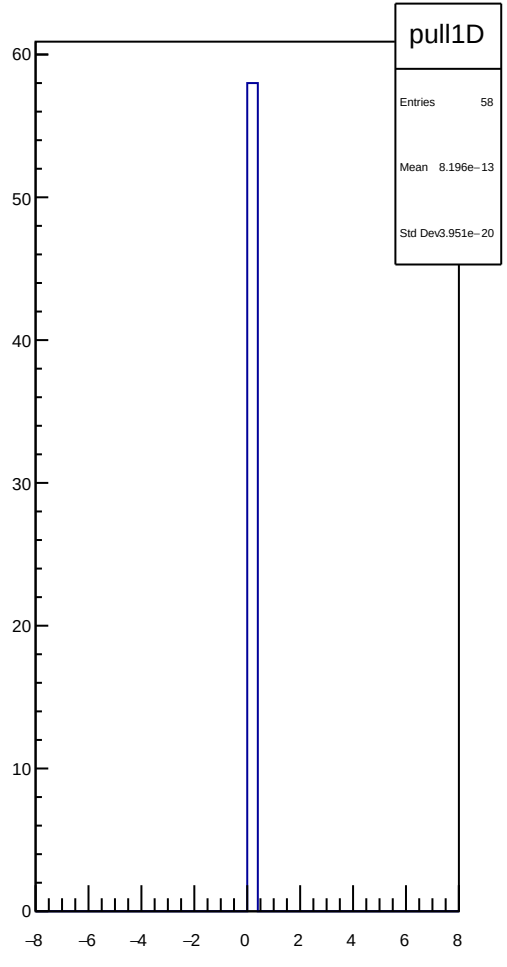

pull1D
Entries 58
Mean 8.976e−15
Std Dev1.059e−22

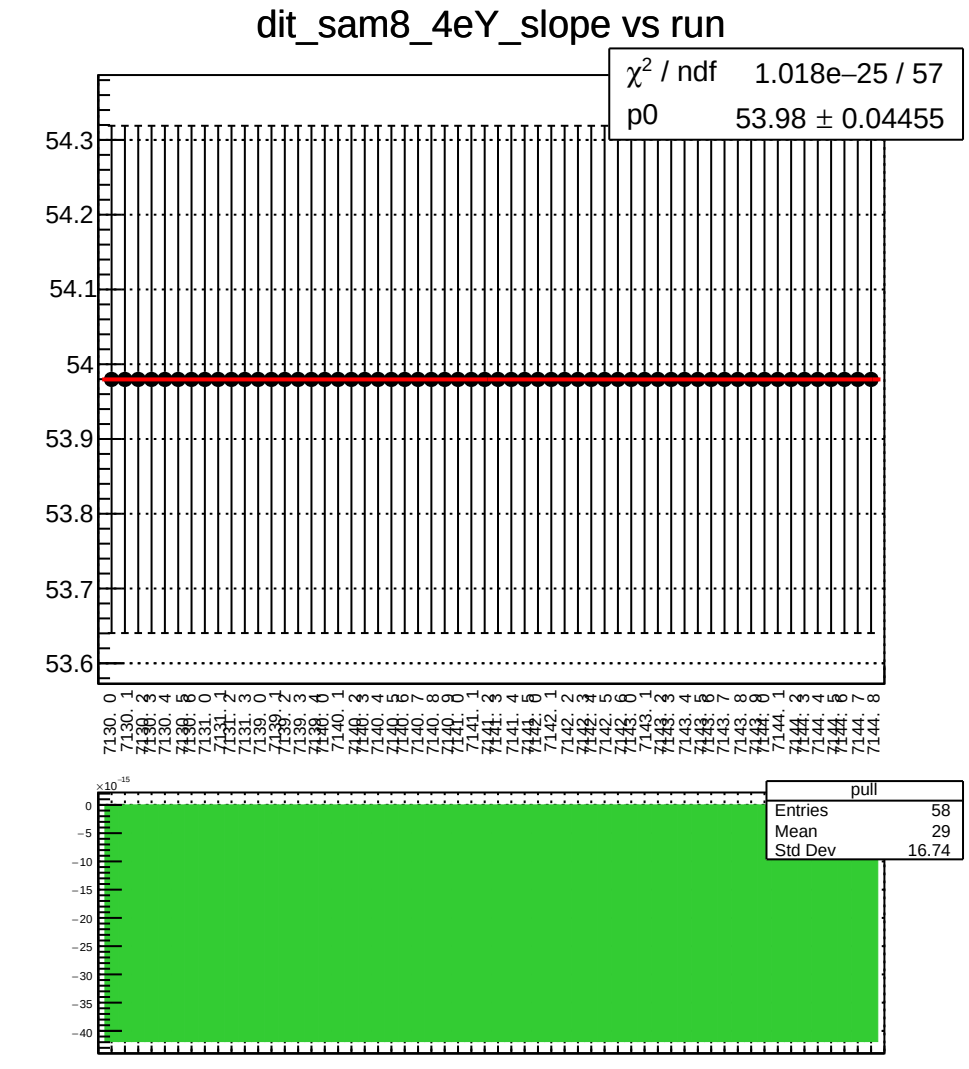

dit_sam8_4eX_slope vs run
χ² / ndf 4.019e−26 / 57
p0 −58.3 ± 0.1772
−57
−57.5
−58
−58.5
−59
−59.5
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −2.632e−14
Std Dev 1.08e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

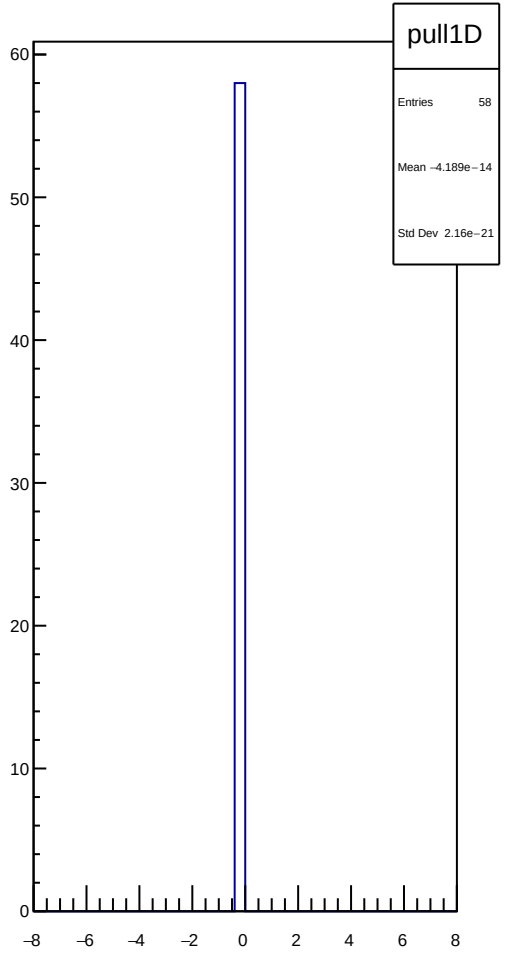

dit_sam8_11X12X_slope vs run
χ² / ndf 5.781e−30 / 57
p0 0.1423 ± 0.02309
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

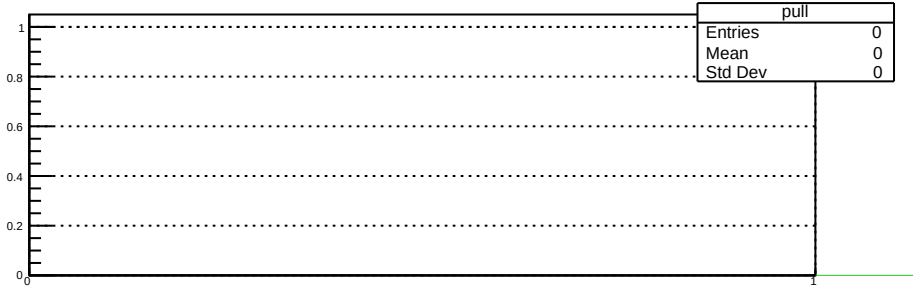

pull1D
Entries 58
Mean −3.157e−16
Std Dev 4.679e−24
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

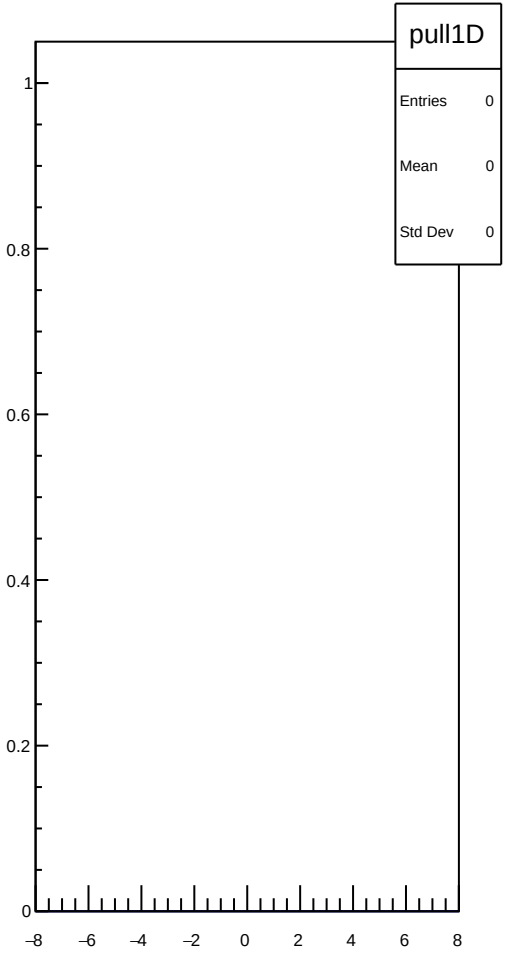

dit_sam8_4aY_slope vs run
χ² / ndf 3.896e−23 / 57
p0 −47.76 ± 0.01366
−47.65
−47.7
−47.75
−47.8
−47.85
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

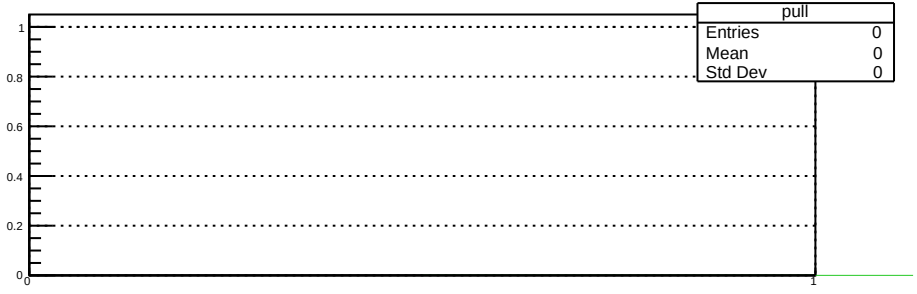

pull1D
Entries 58
Mean 8.196e−13
Std Dev 3.951e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

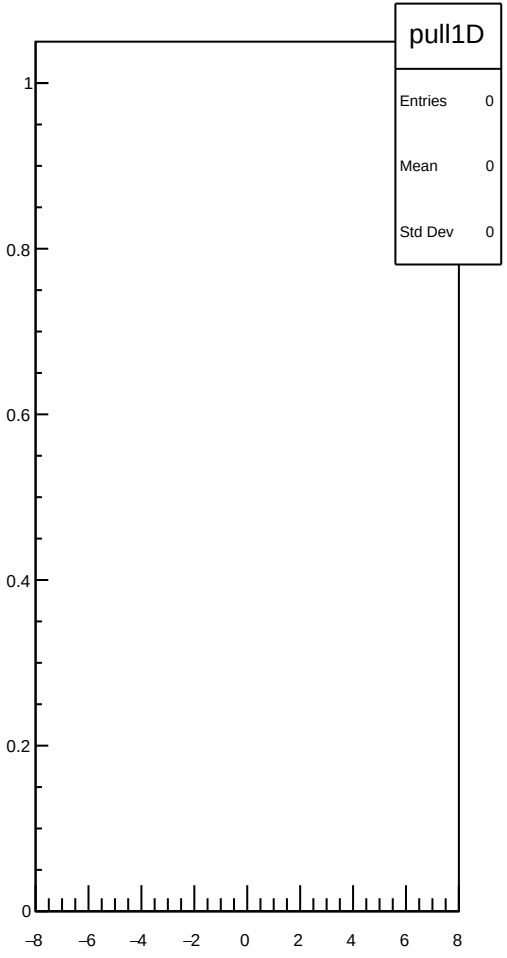

dit_sam8_4eY_slope vs run
χ² / ndf 1.018e−25 / 57
p0 53.98 ± 0.04455
54.3
54.2
54.1
54
53.9
53.8
53.7
53.6
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

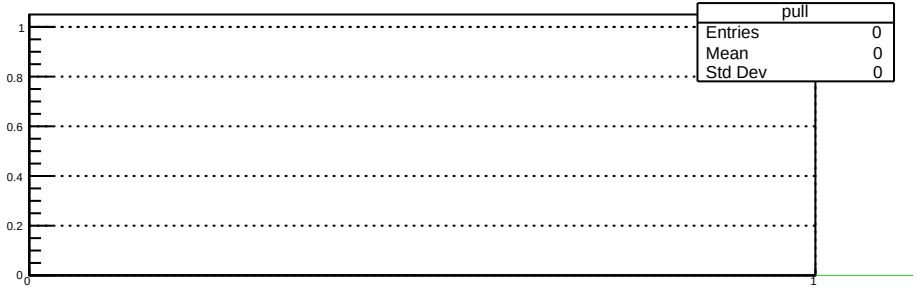

pull1D
Entries 58
Mean −4.189e−14
Std Dev 2.16e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

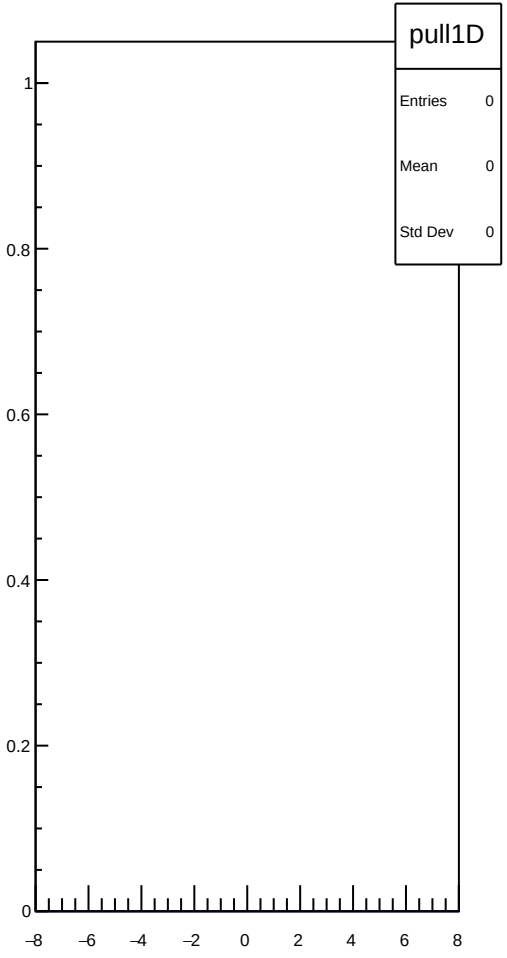

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

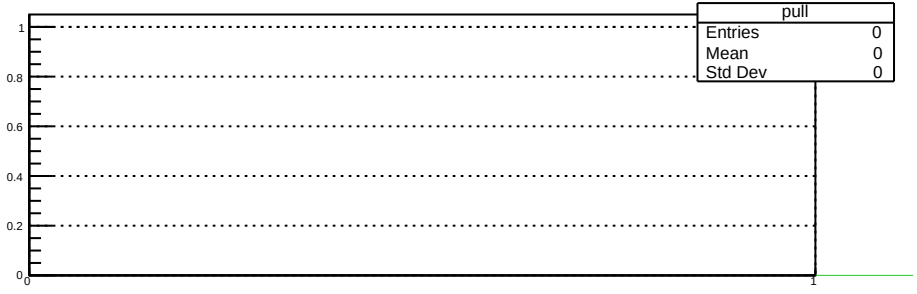

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

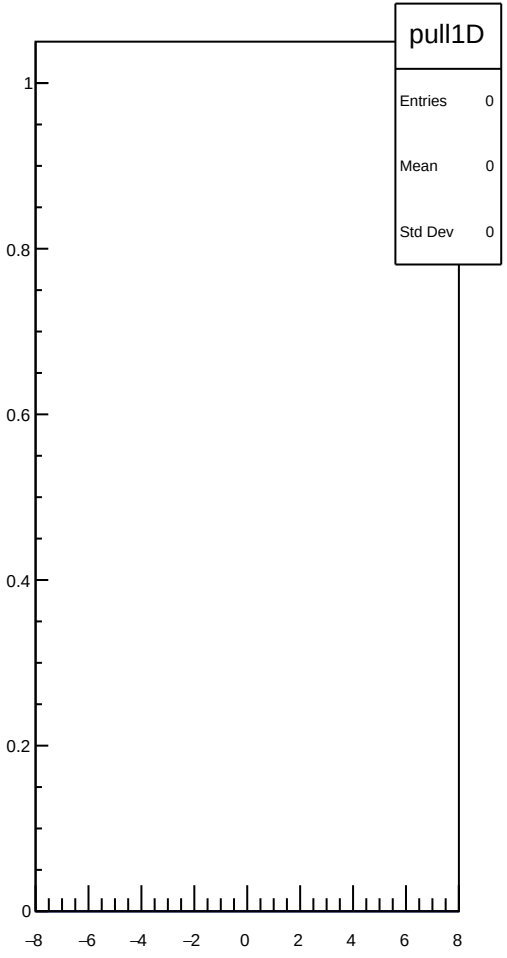

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

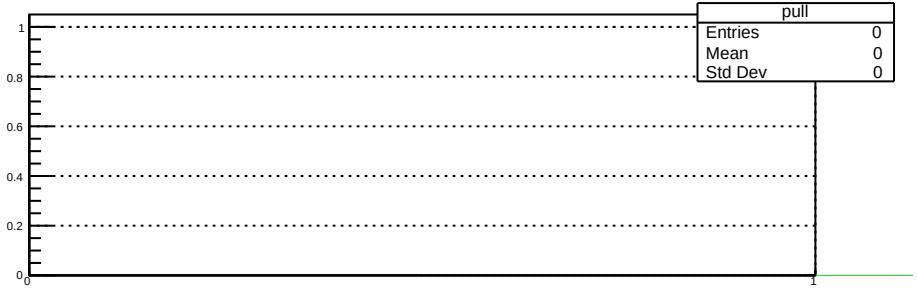

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

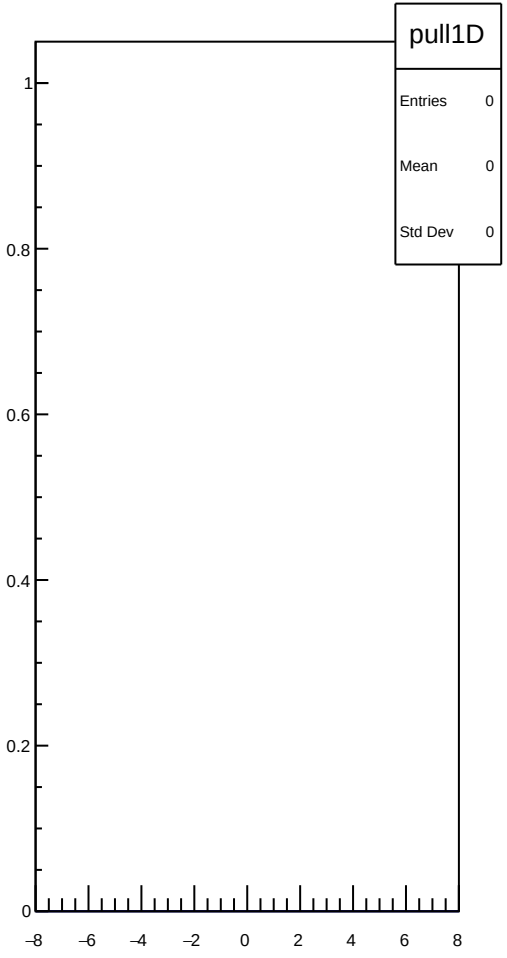

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

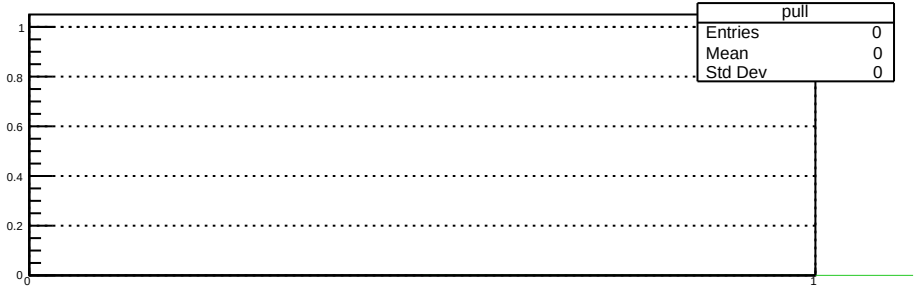

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

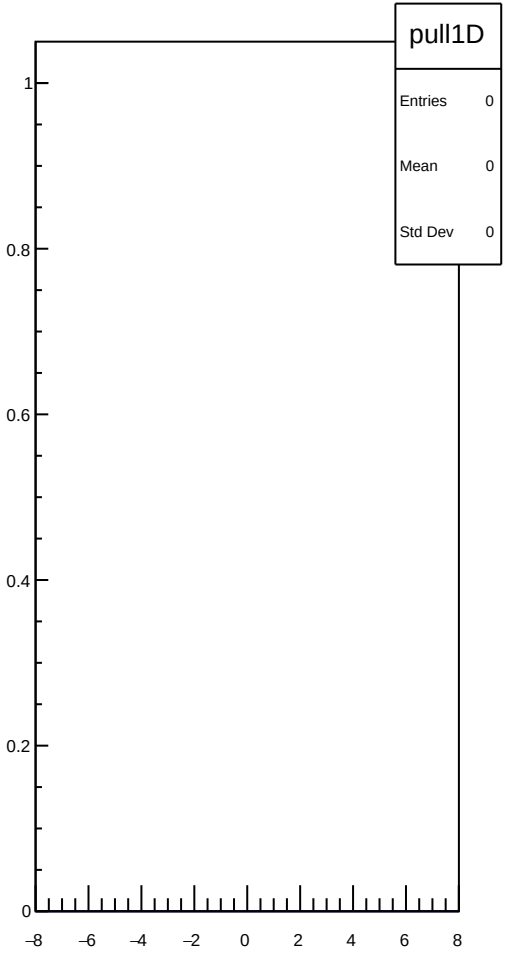

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

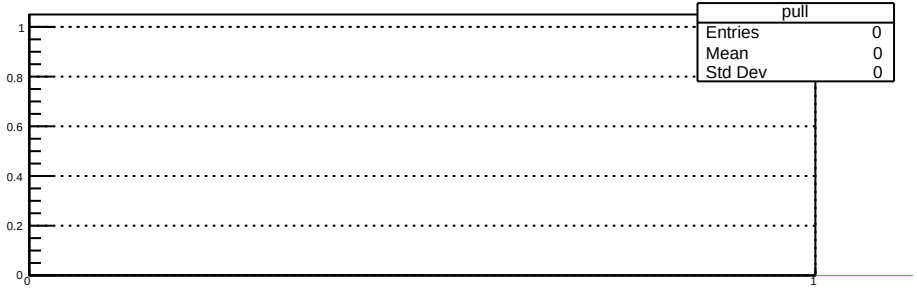

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

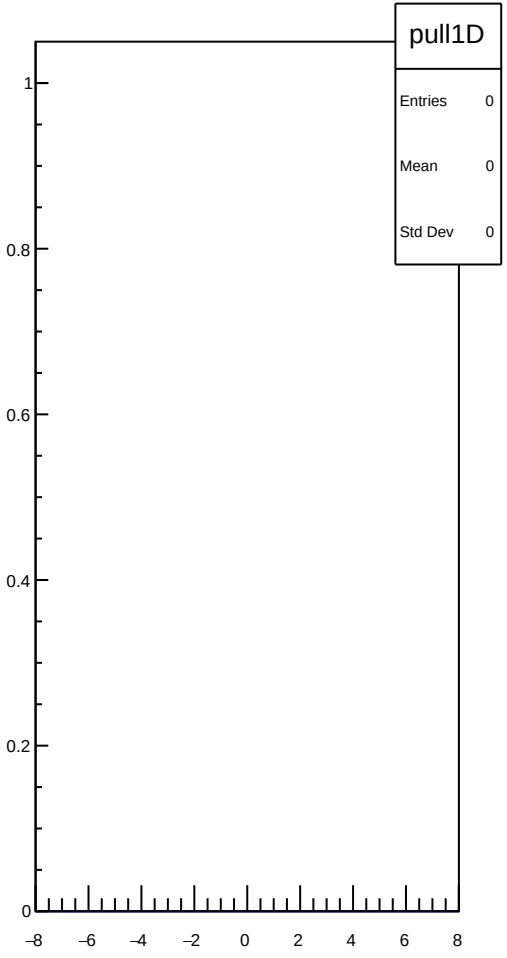

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

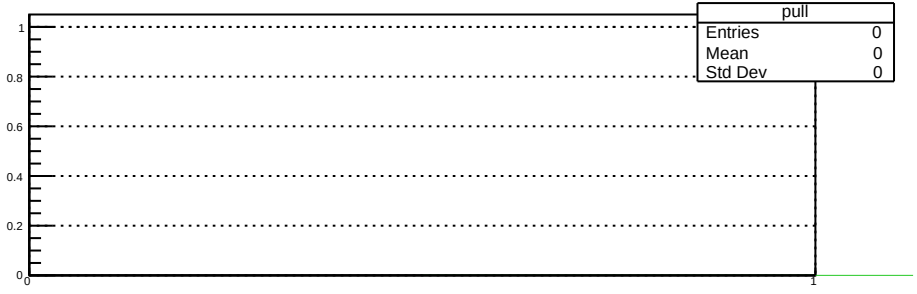

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

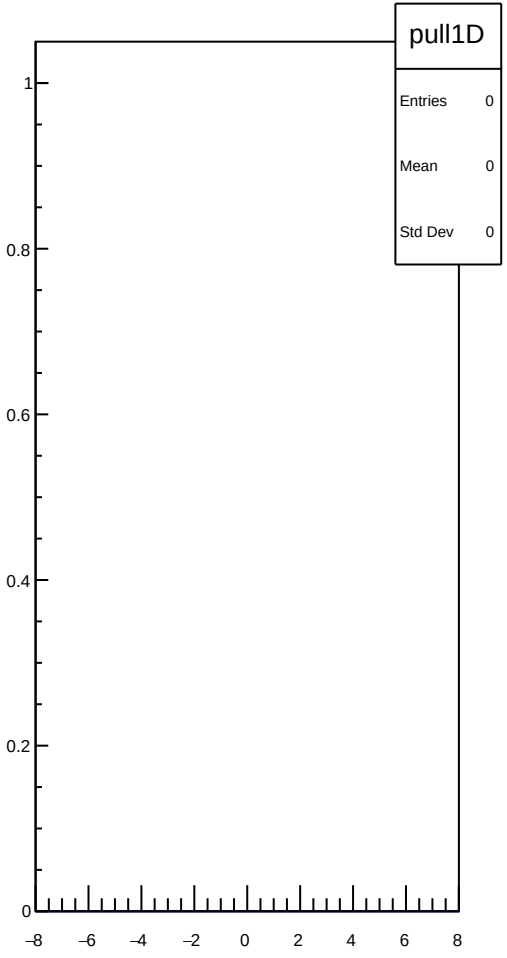

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

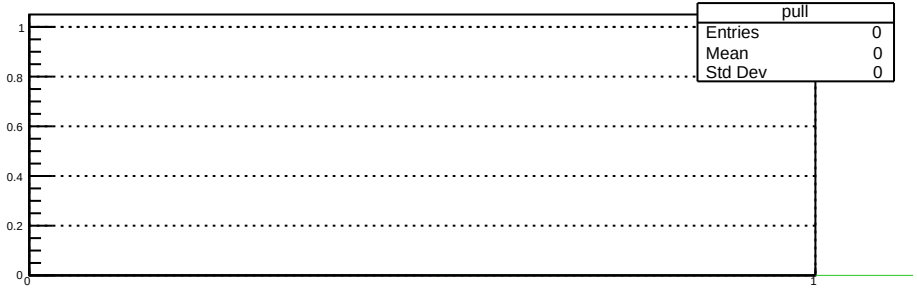

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

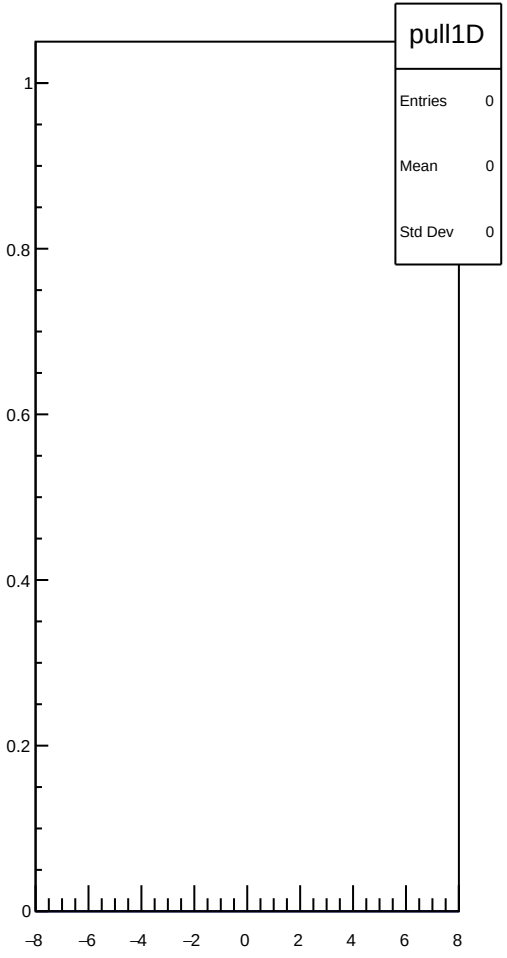

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

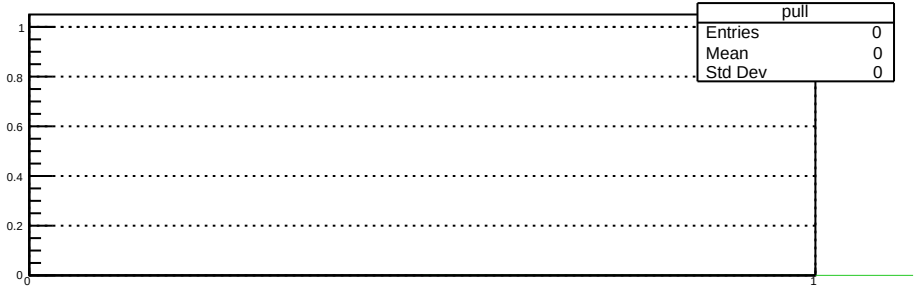

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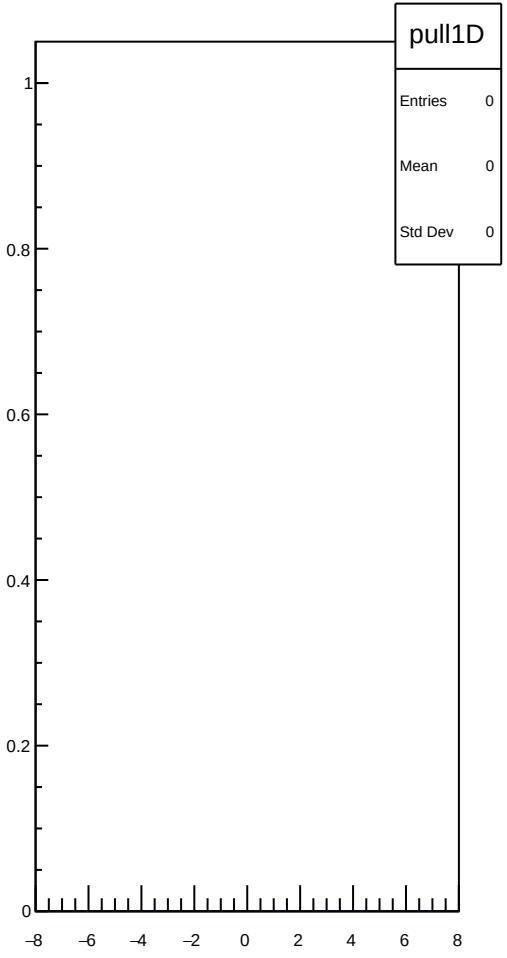

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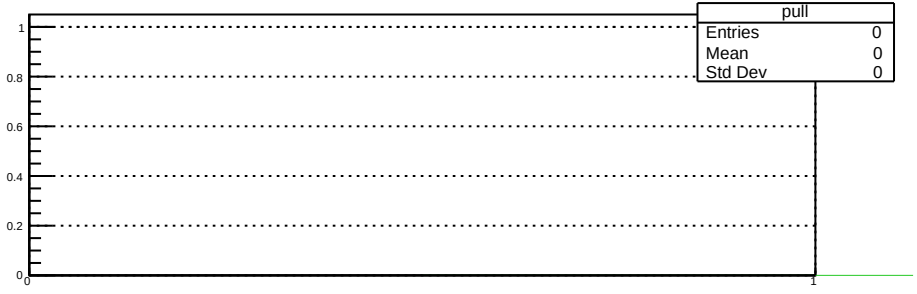

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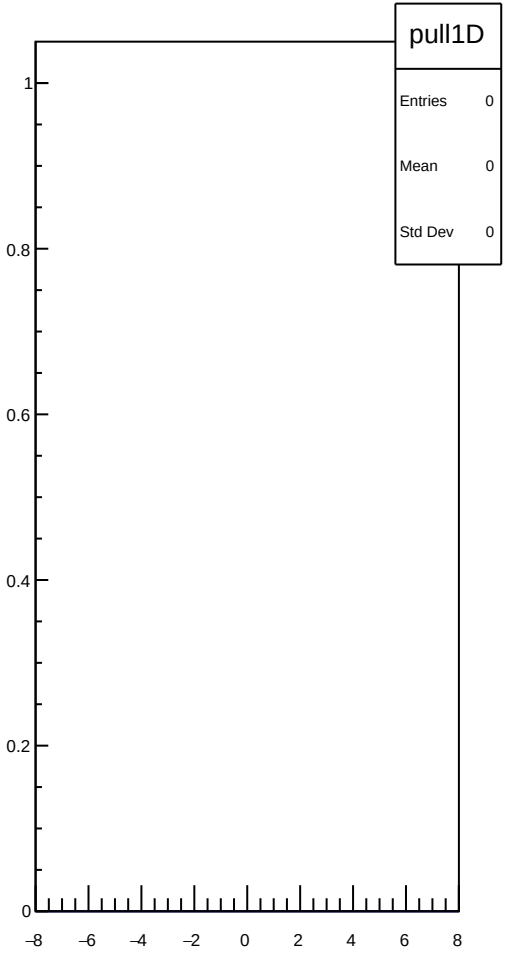

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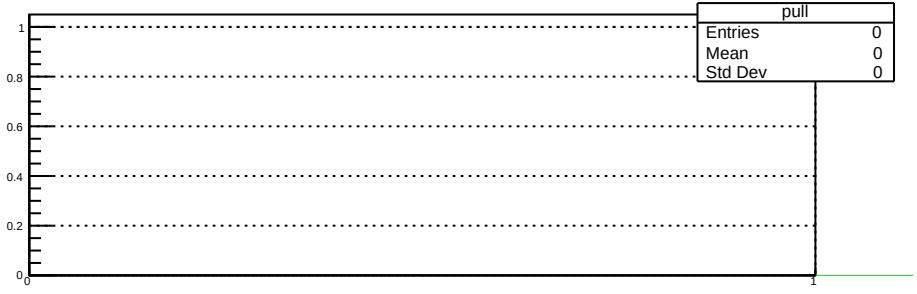

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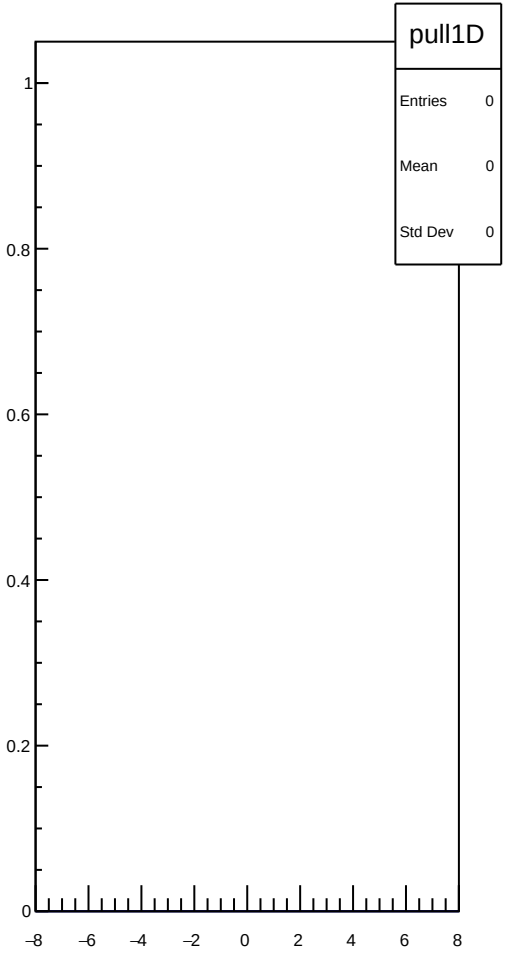

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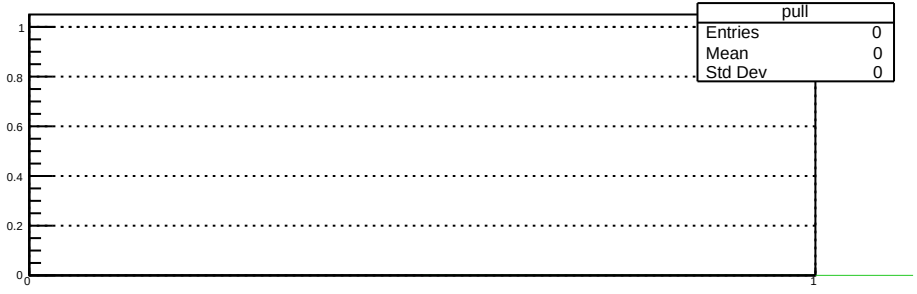

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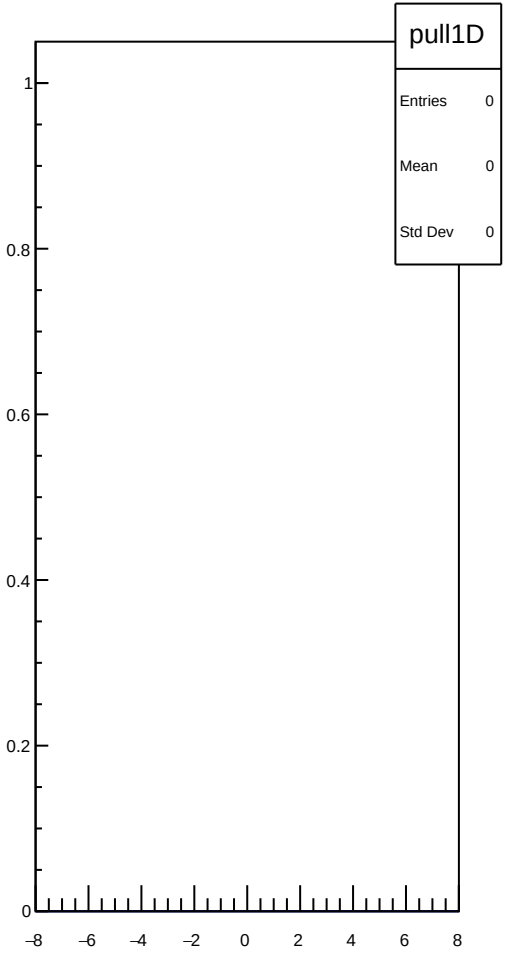

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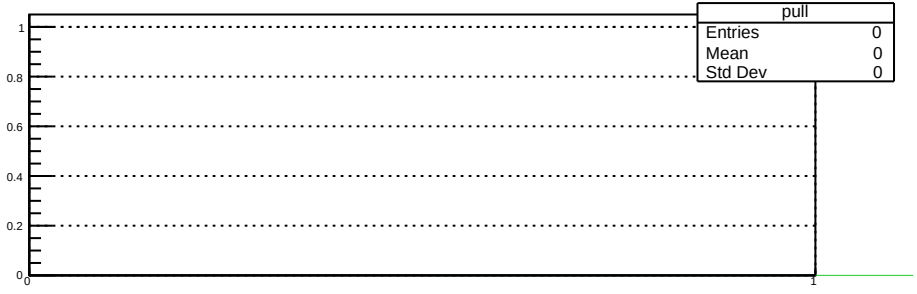

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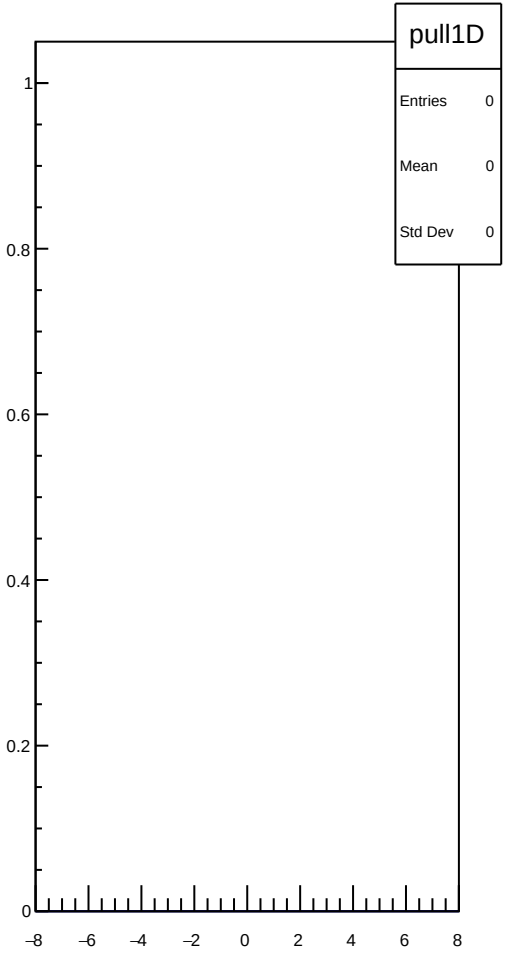

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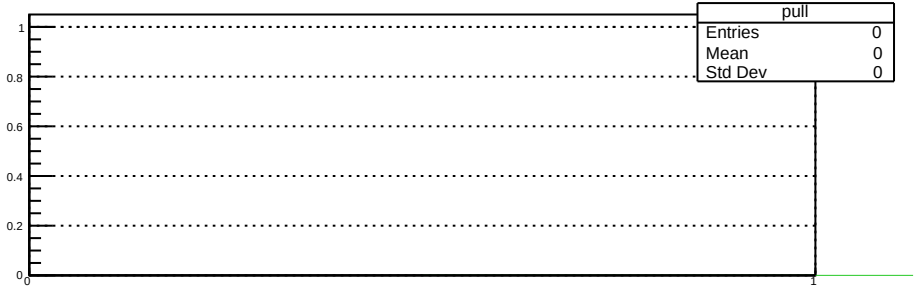

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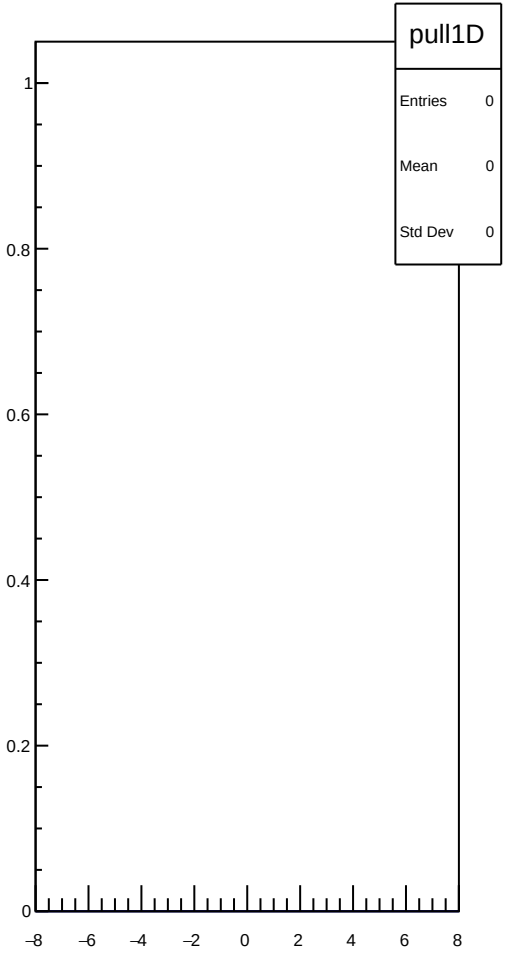

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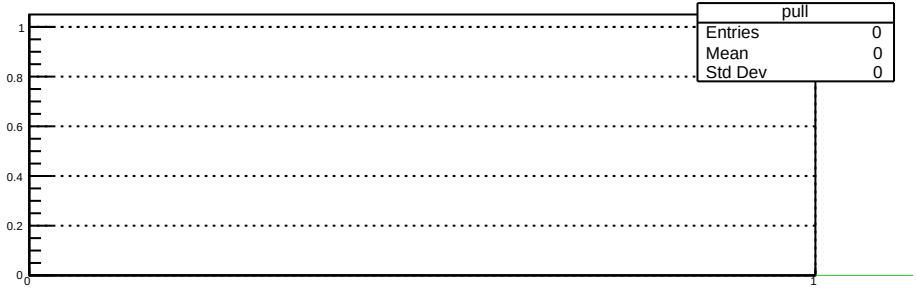

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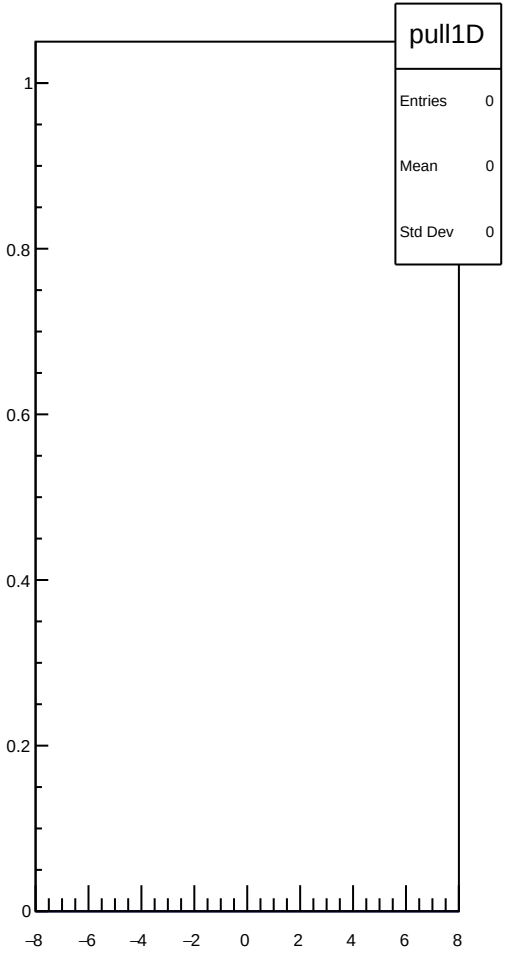

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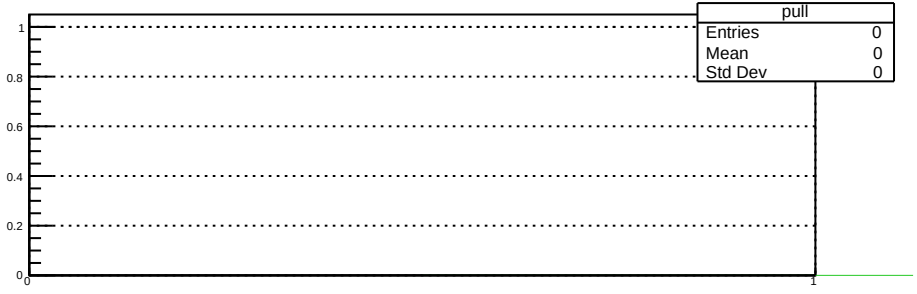

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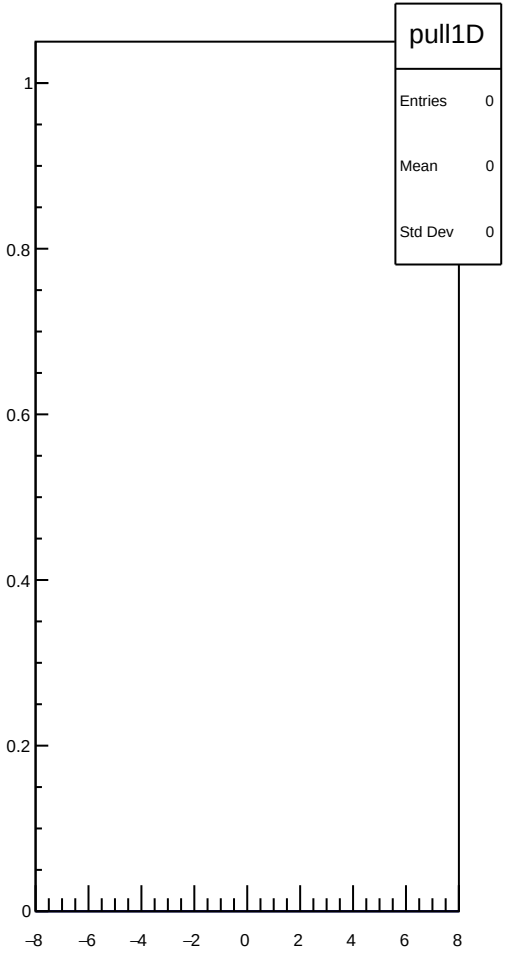

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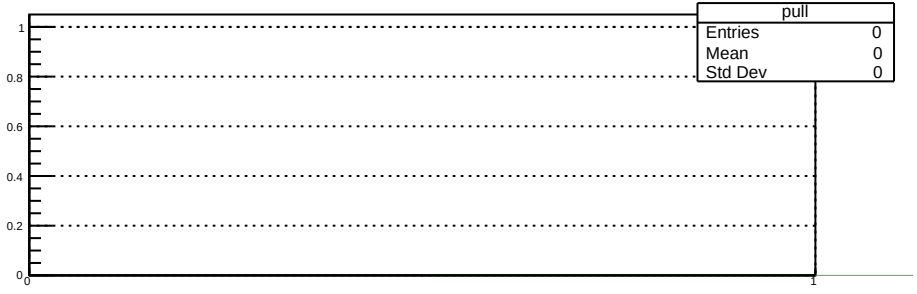

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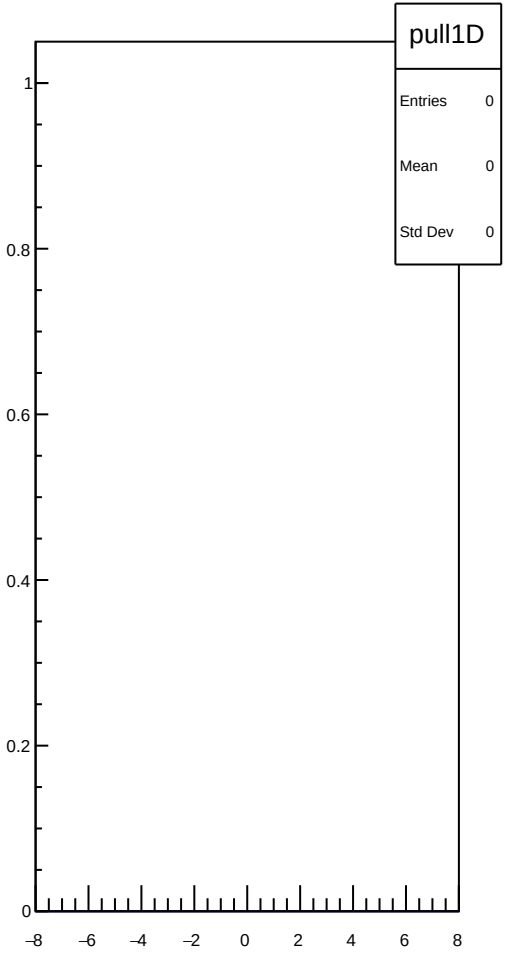

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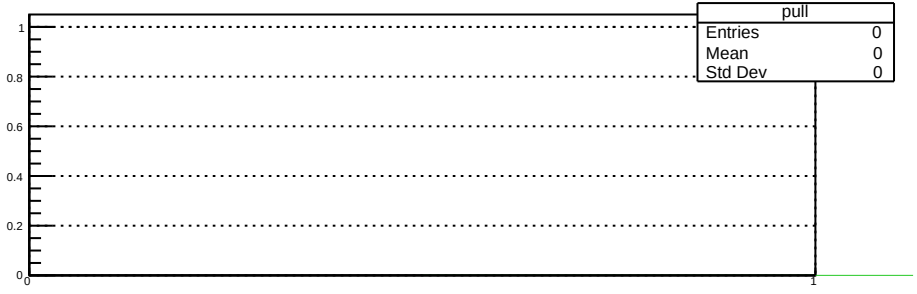

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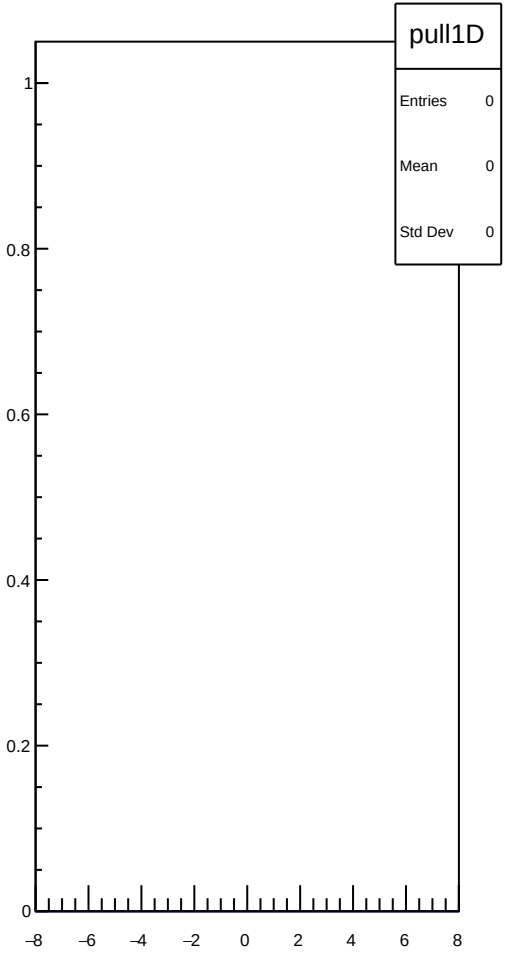

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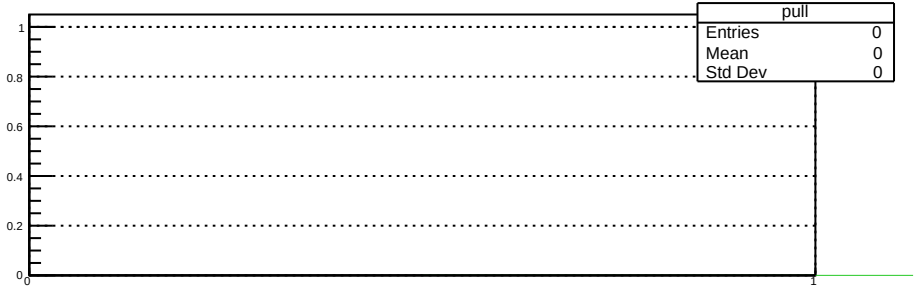

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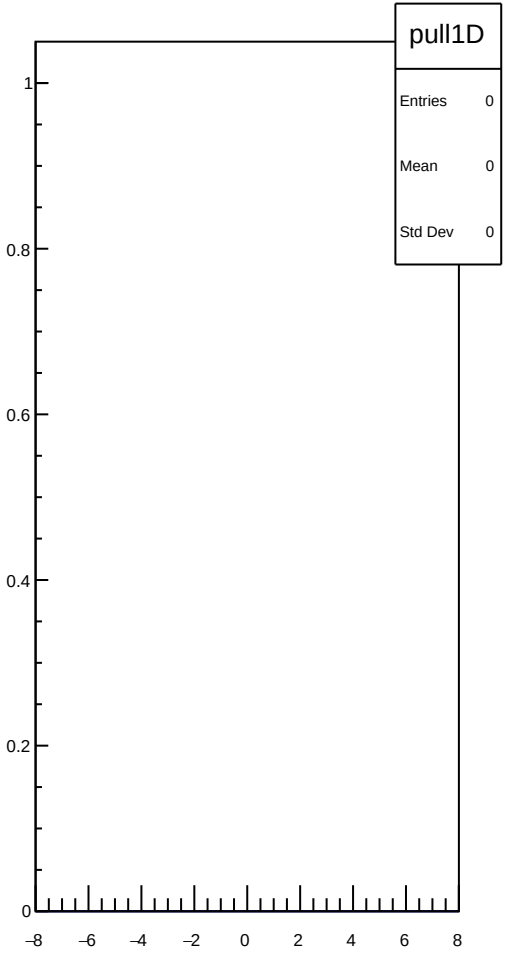

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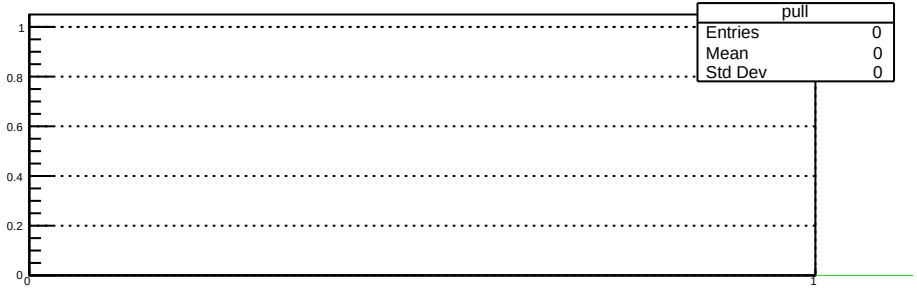

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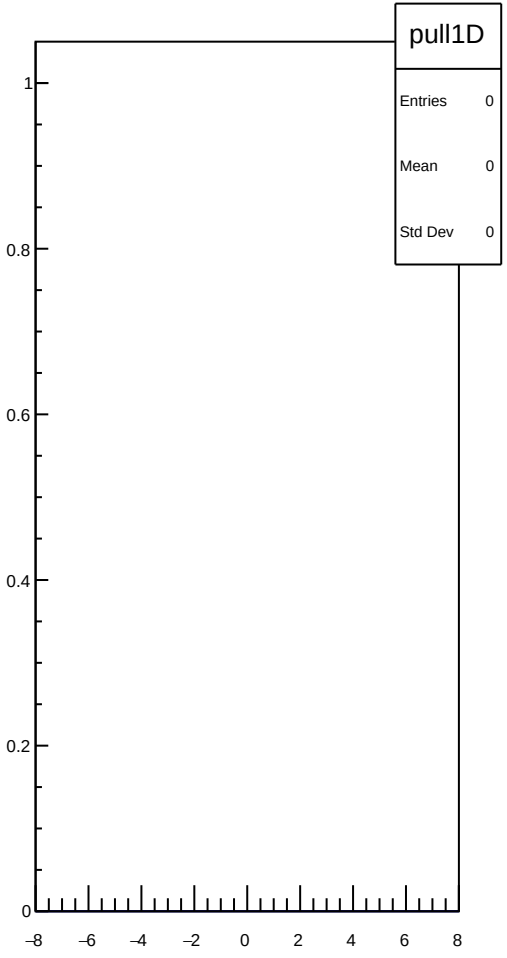

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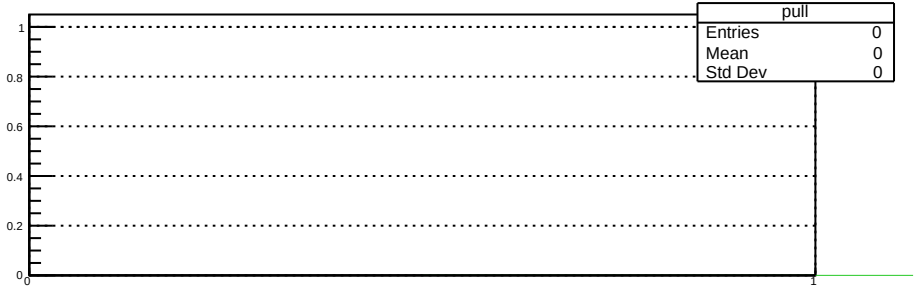

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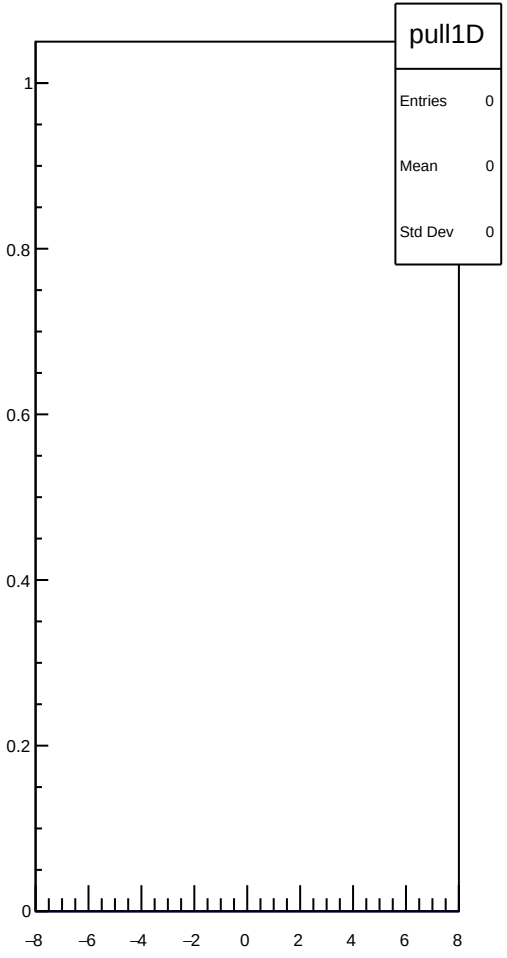

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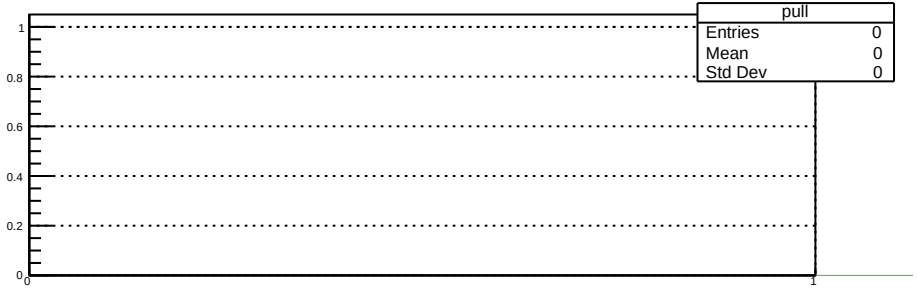

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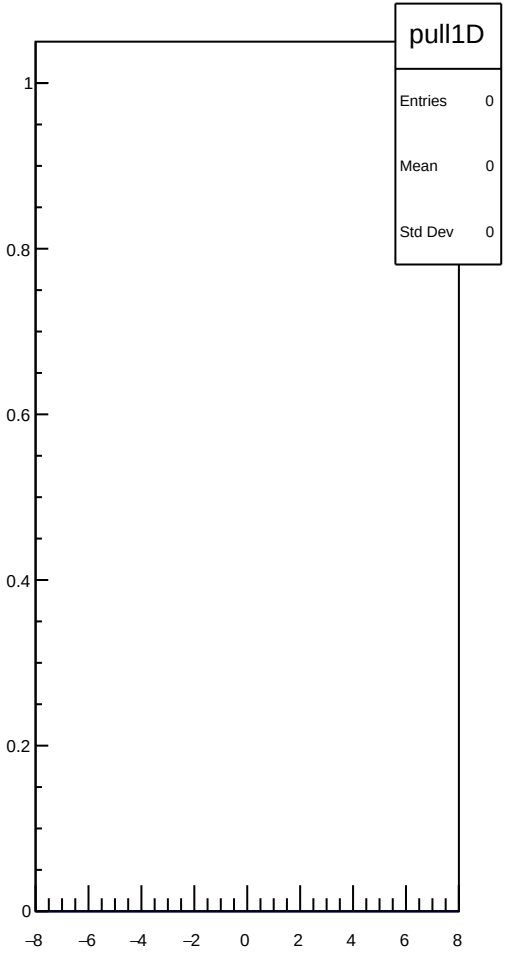

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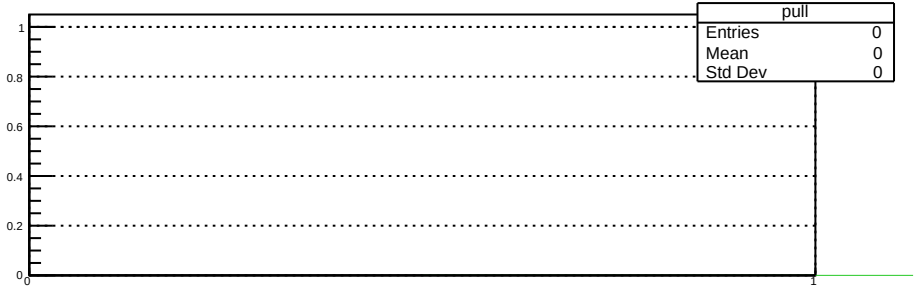

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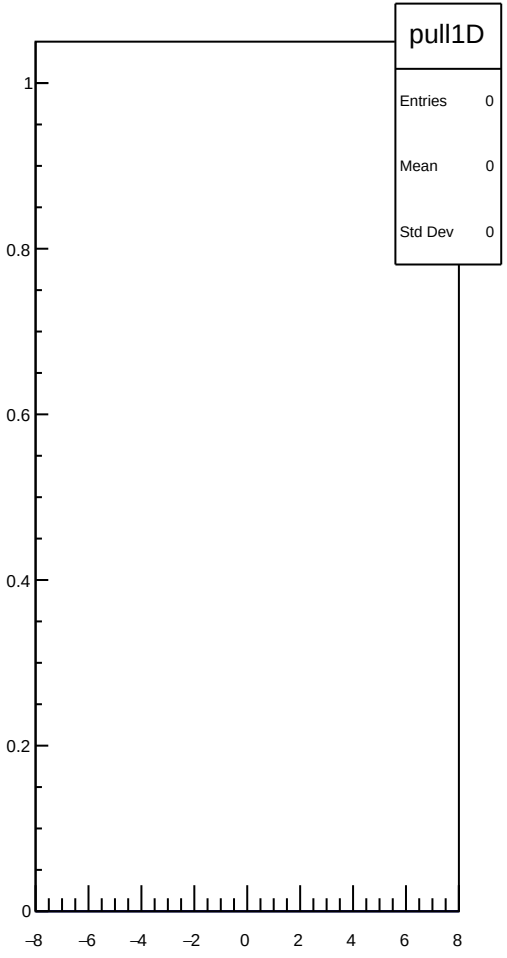

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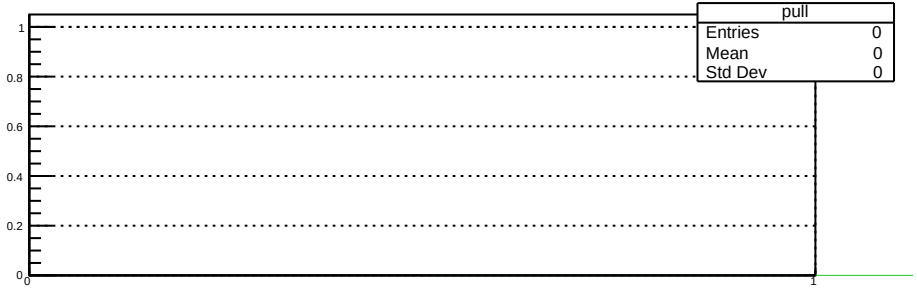

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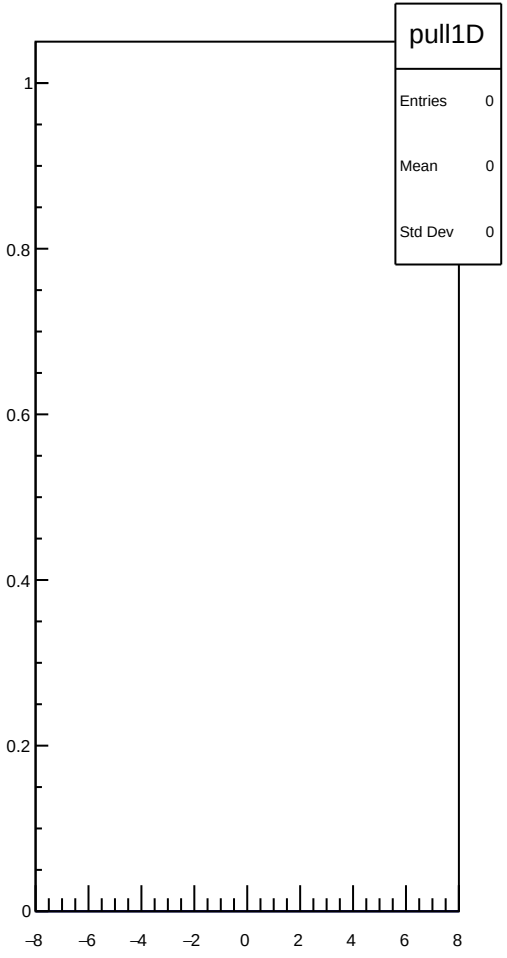

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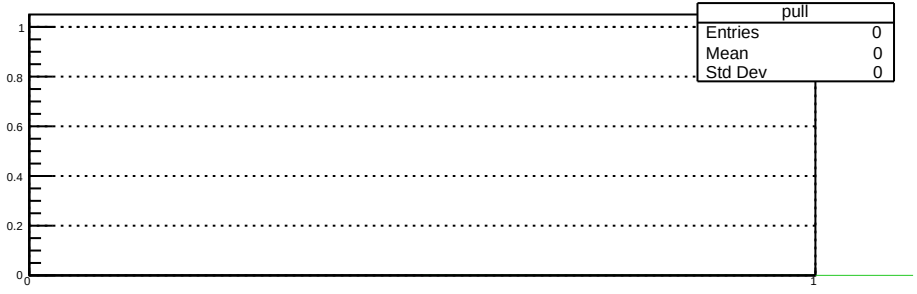

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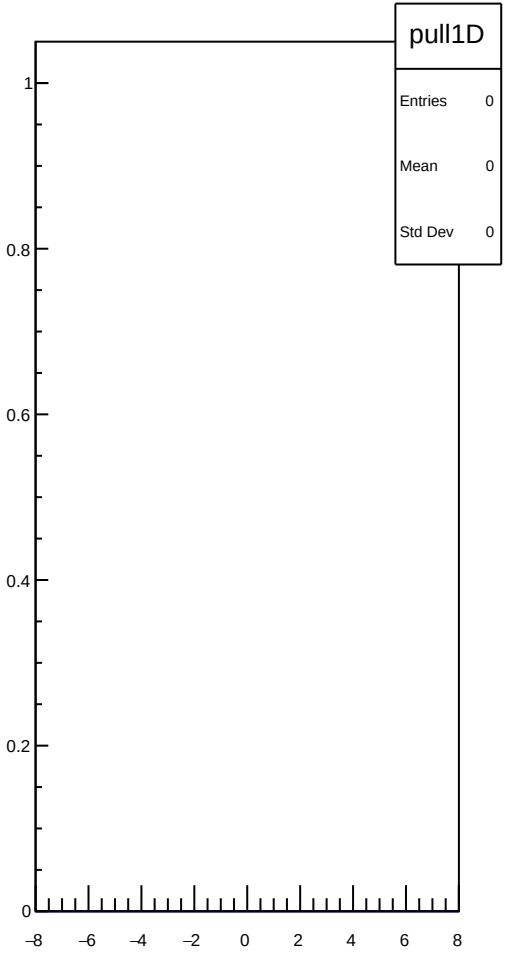

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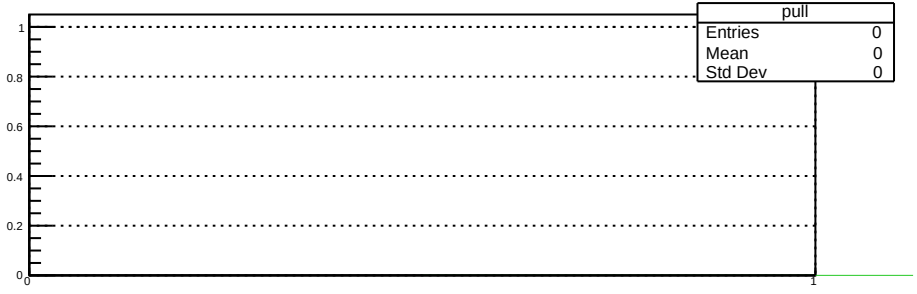

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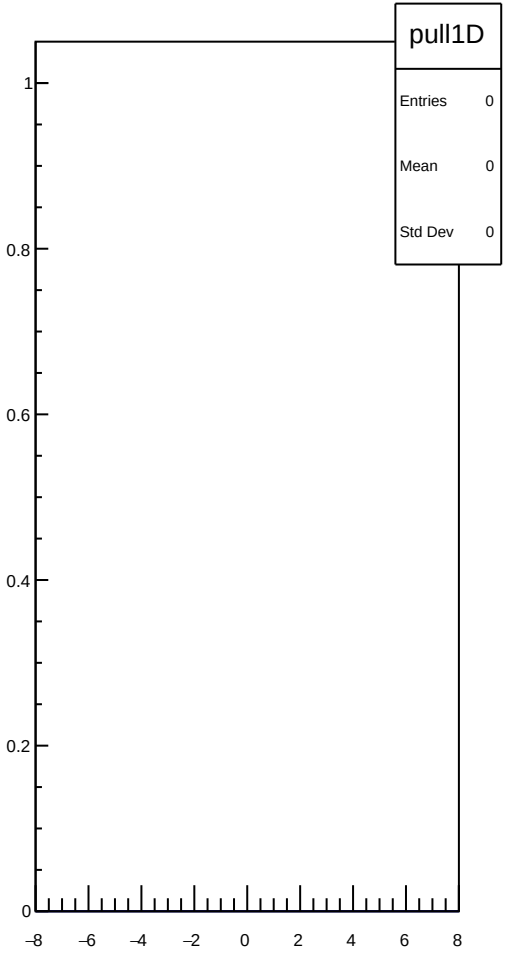

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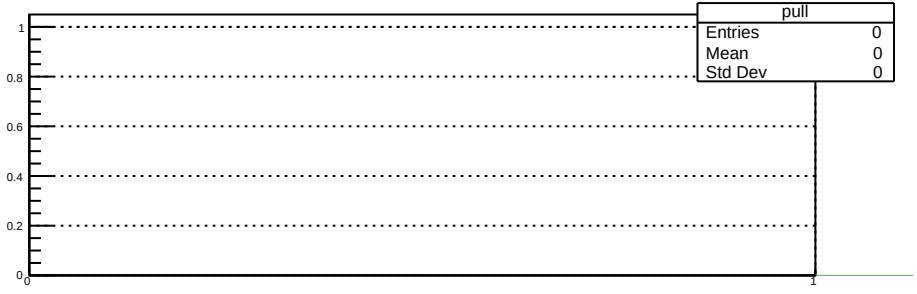

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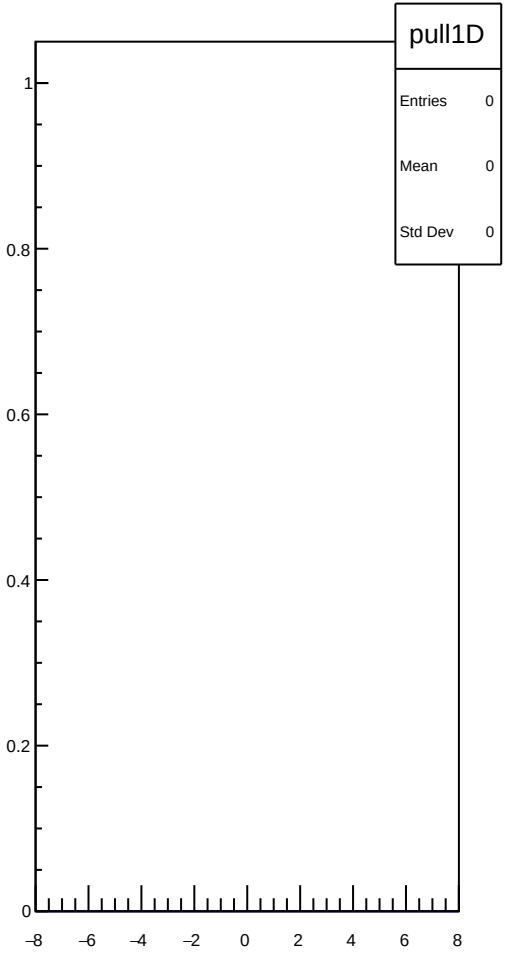

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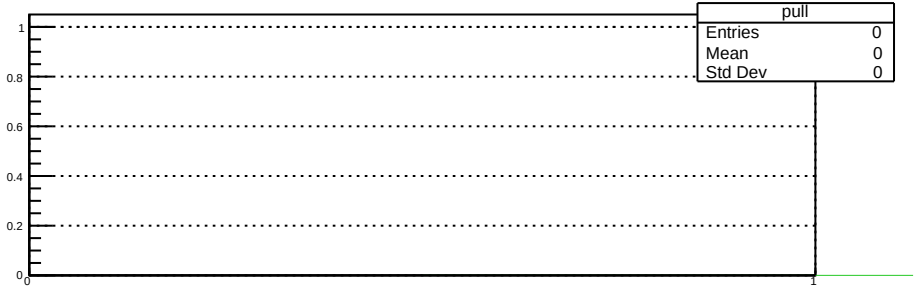

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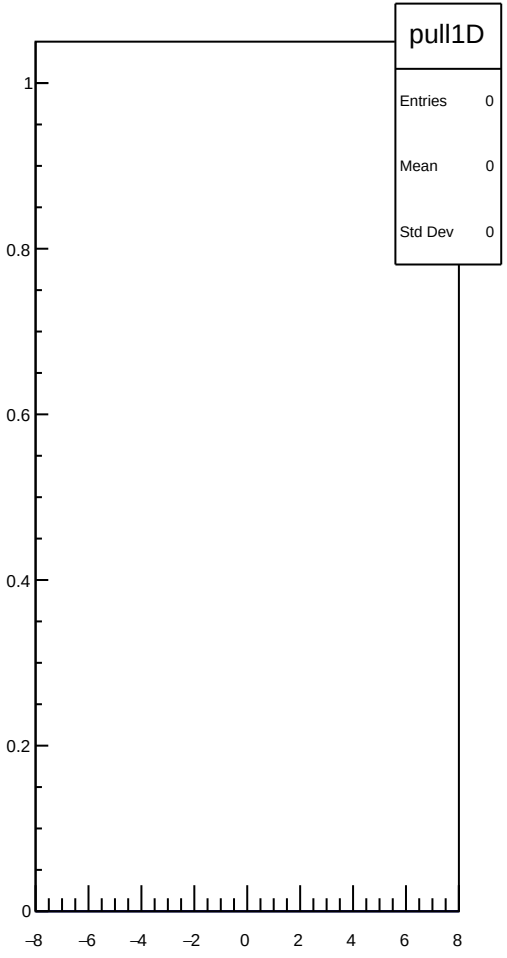

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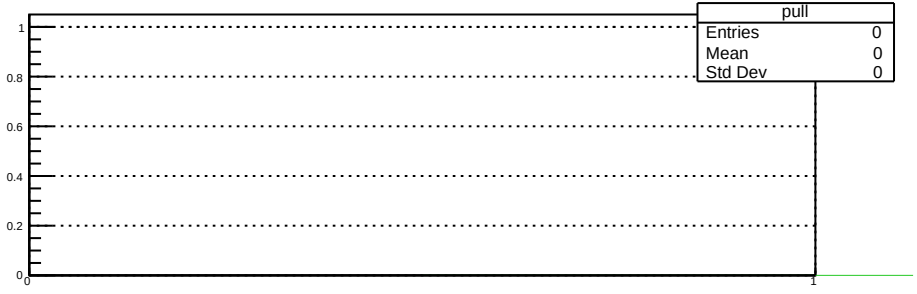

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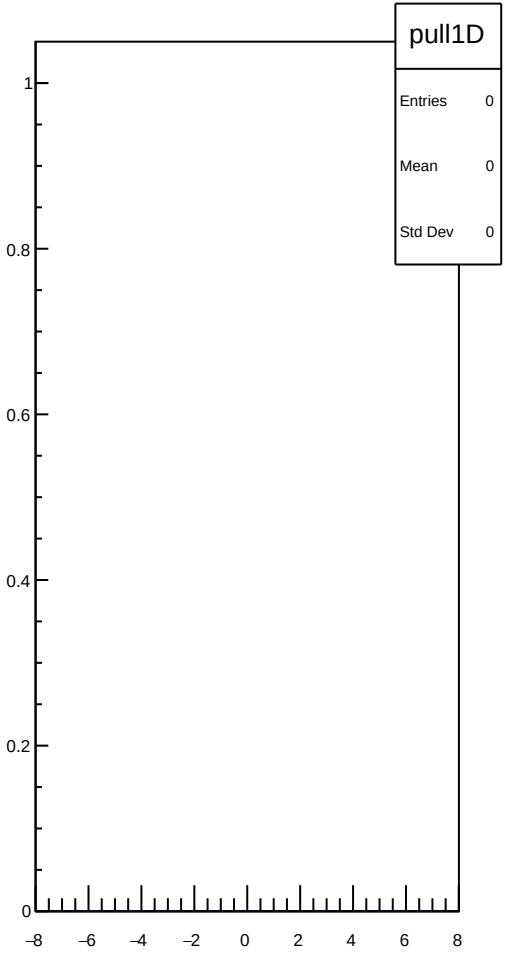

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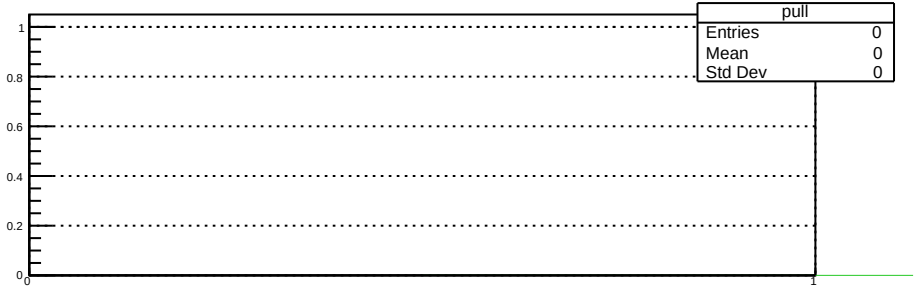

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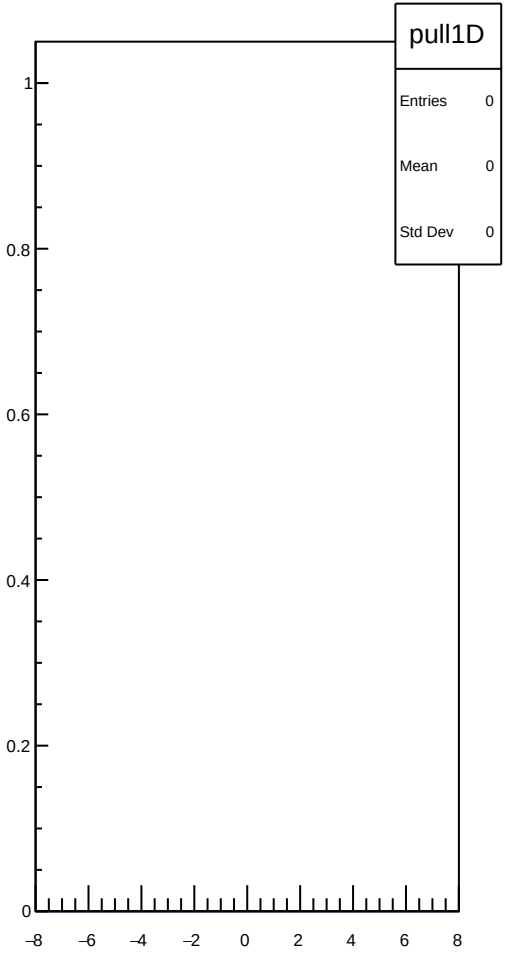

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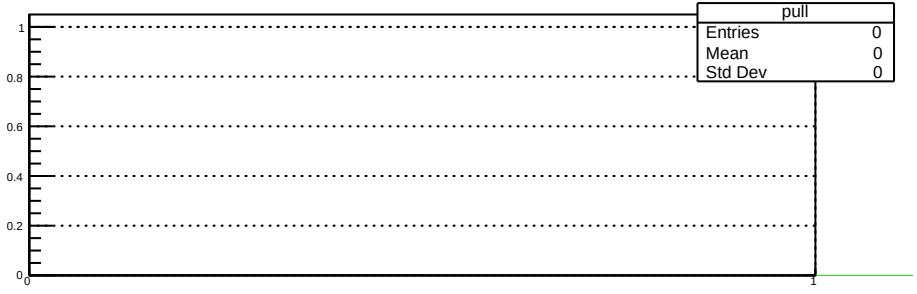

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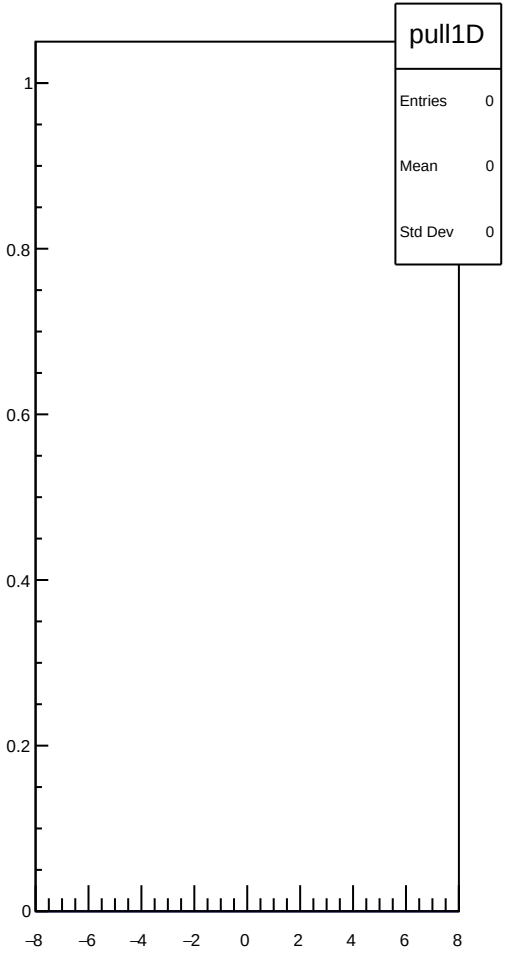

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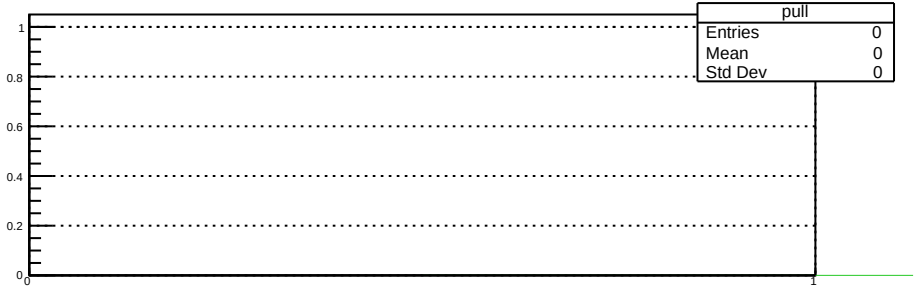

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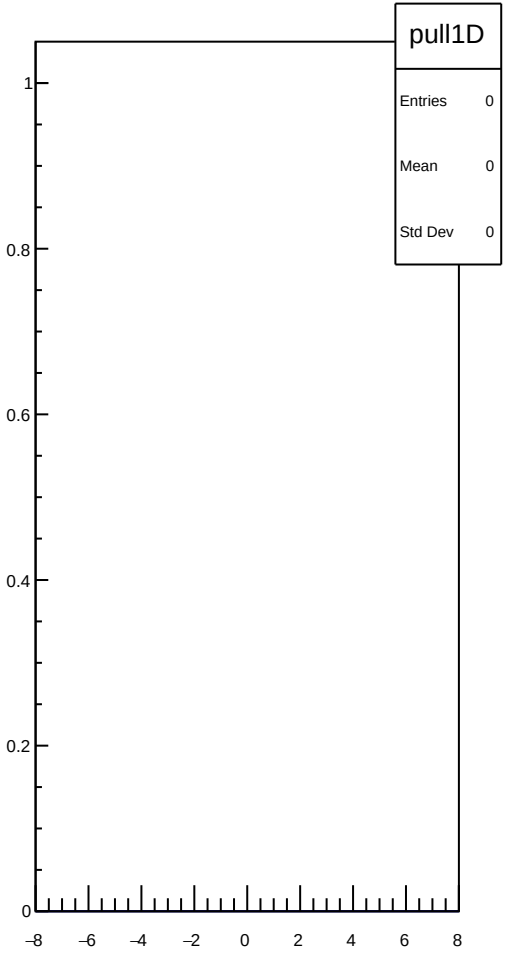

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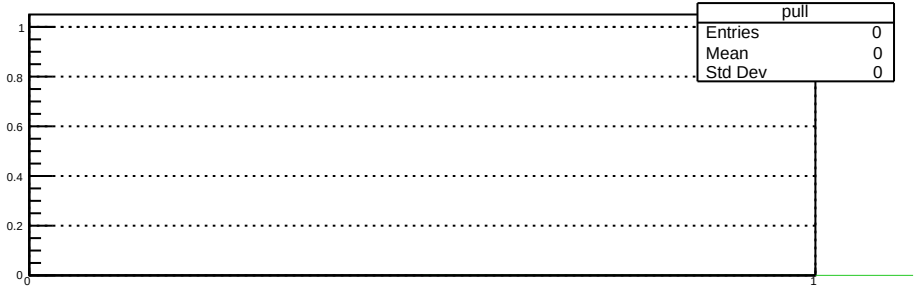

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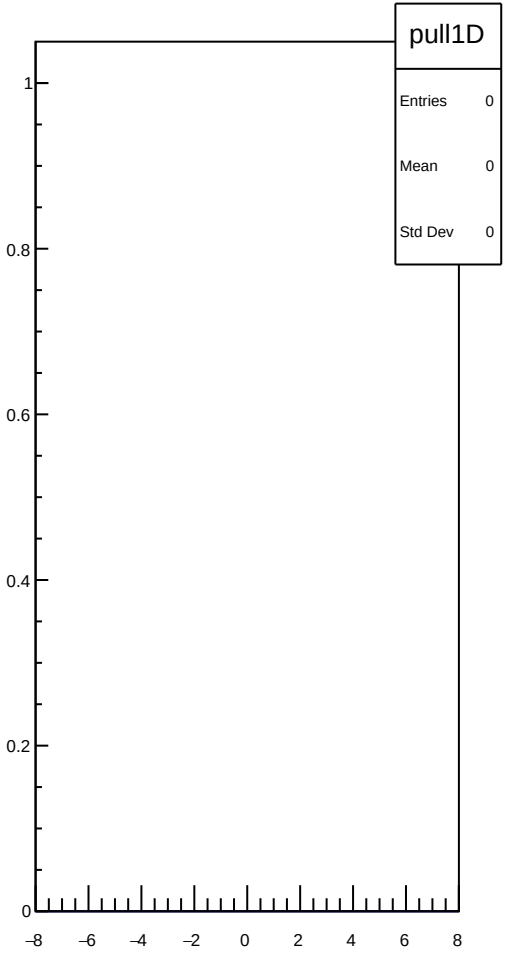

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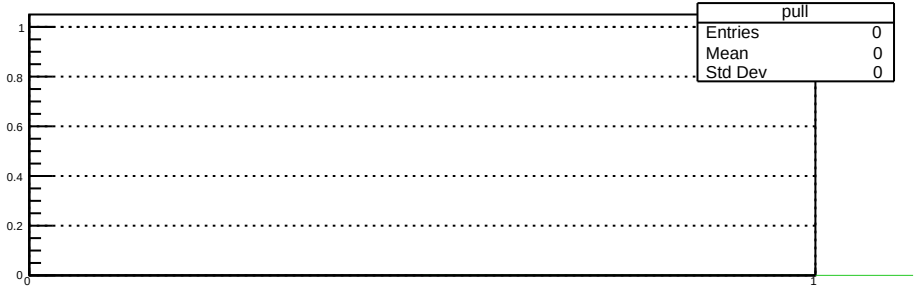

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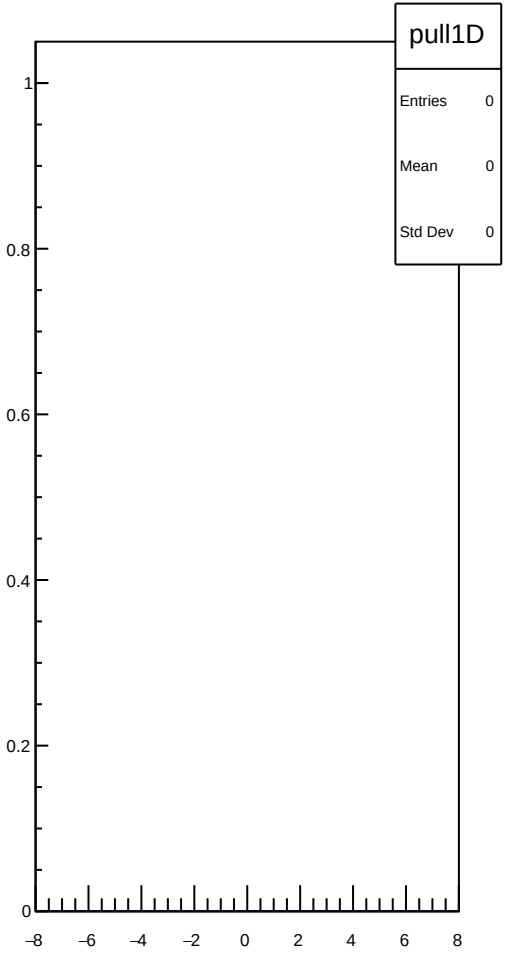

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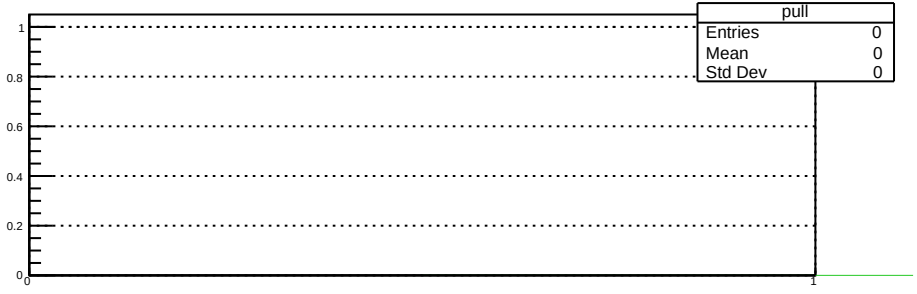

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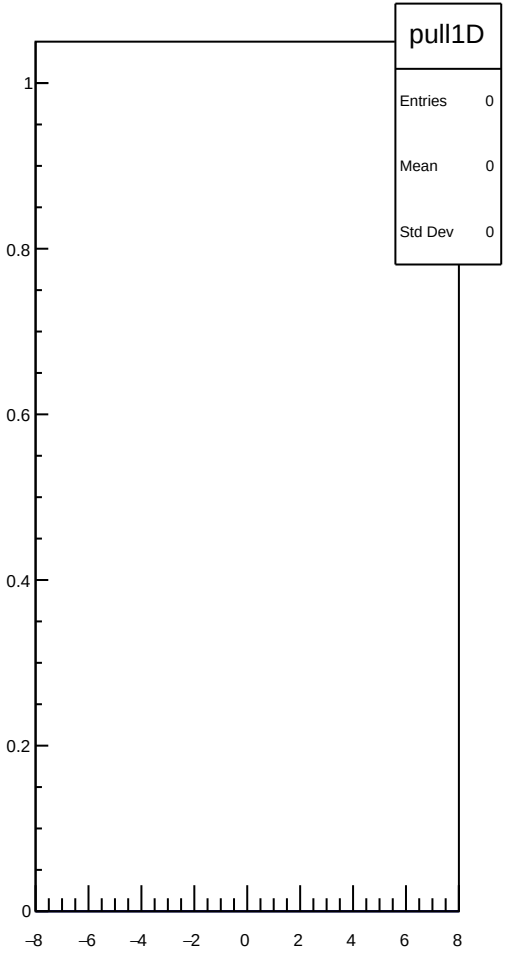

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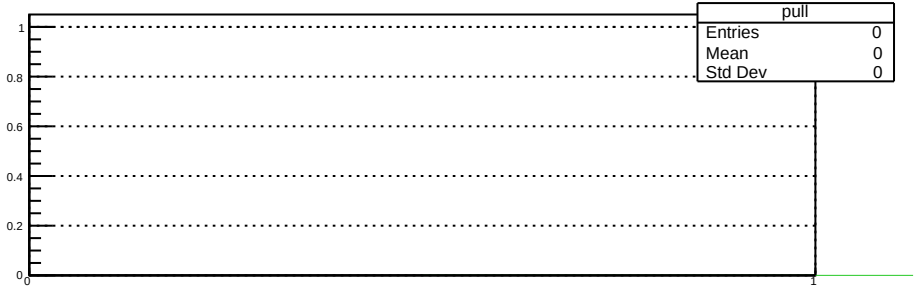

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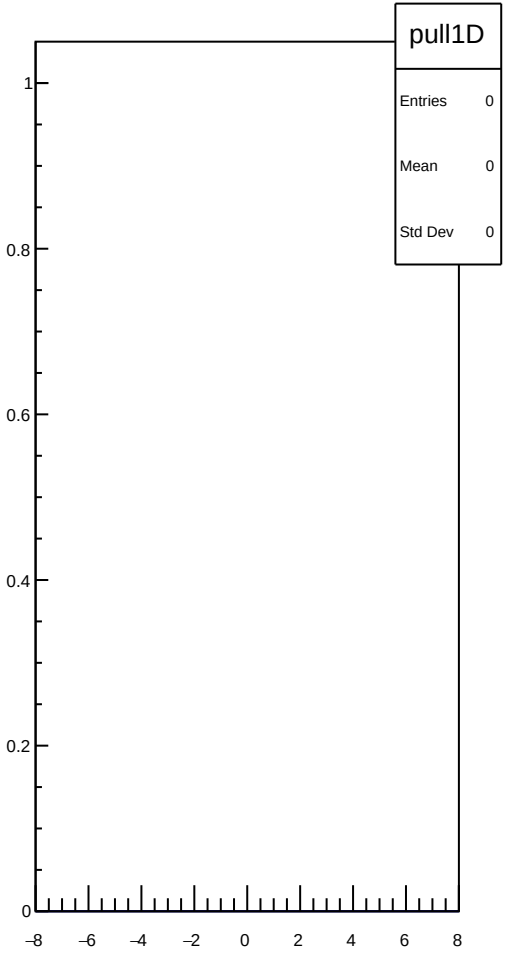

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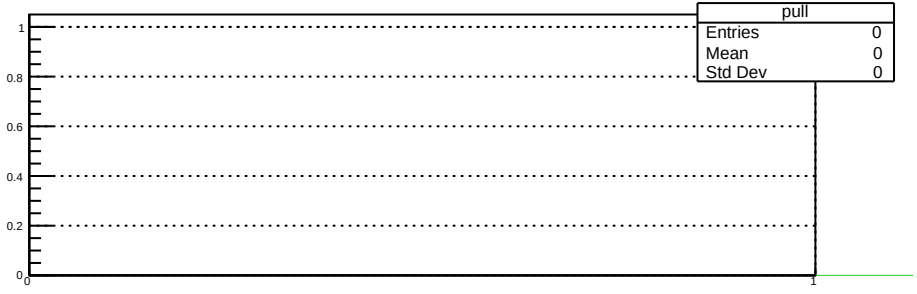

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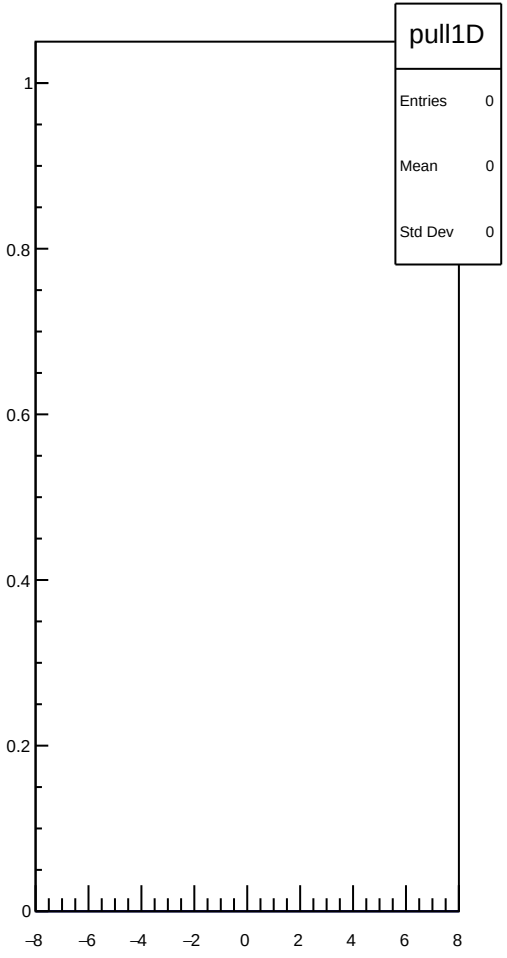

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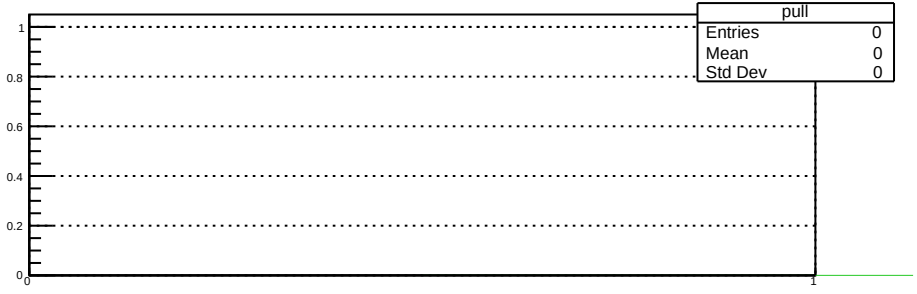

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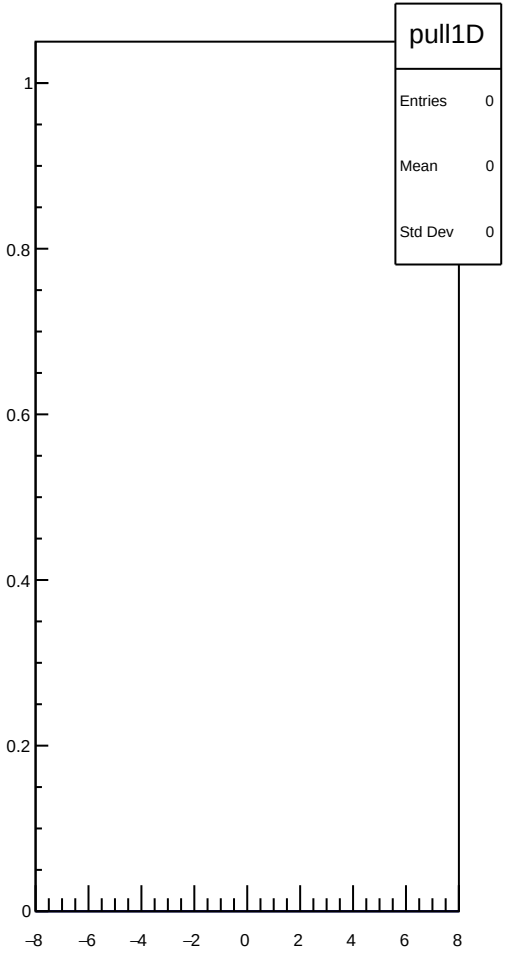

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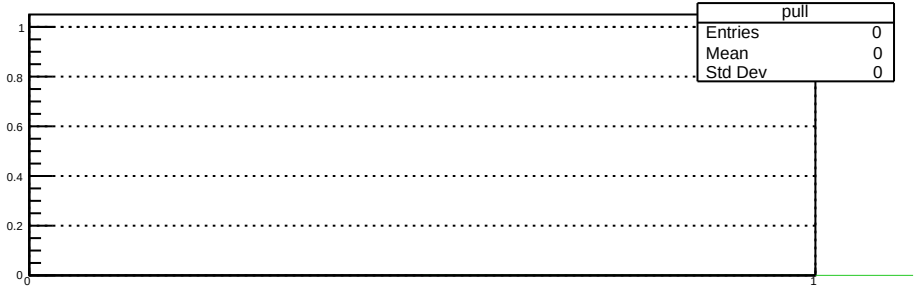

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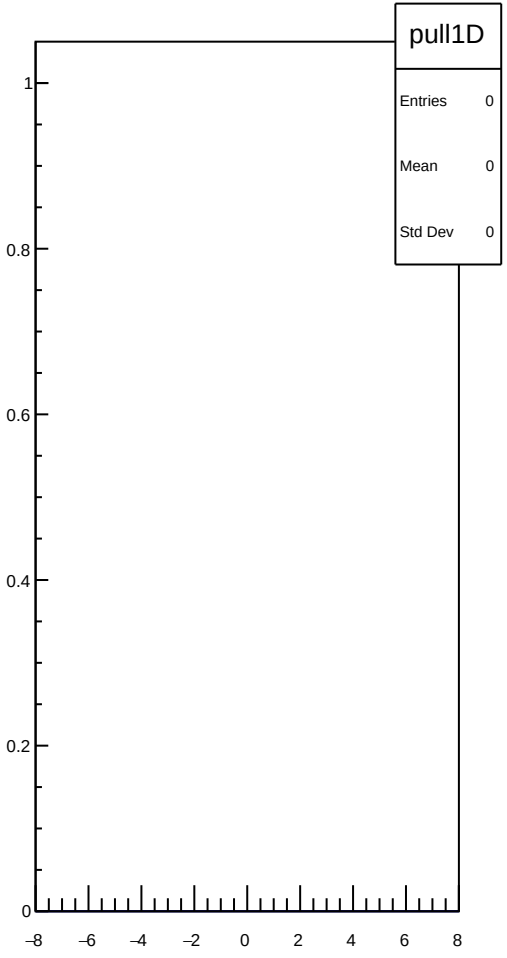

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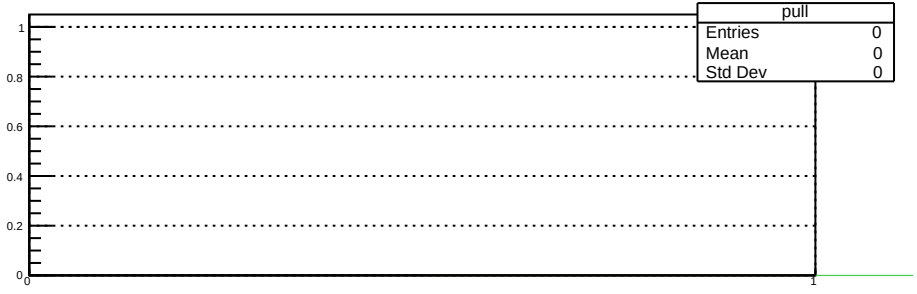

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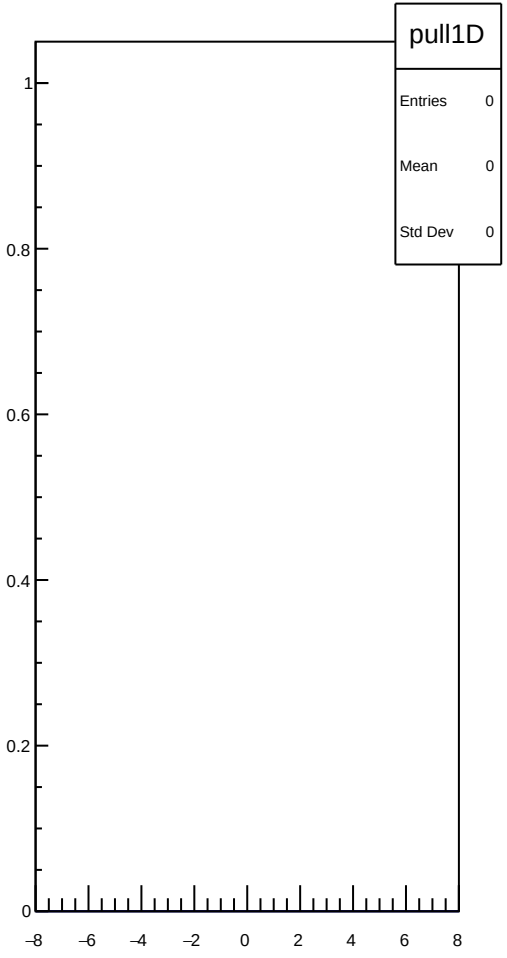

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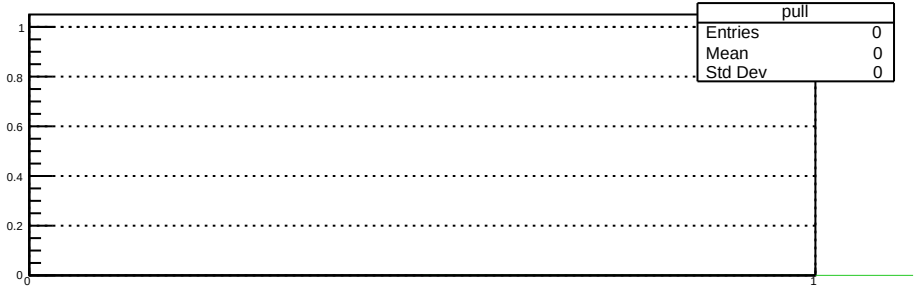

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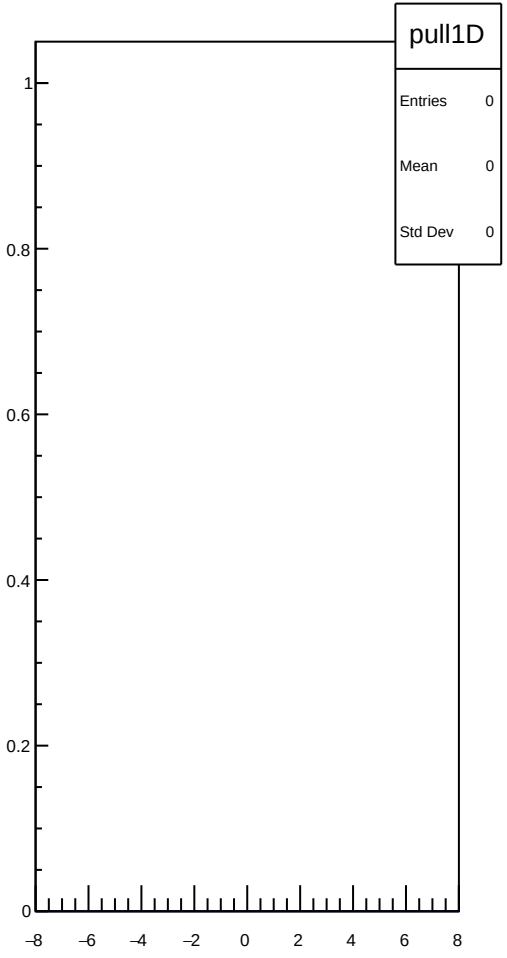

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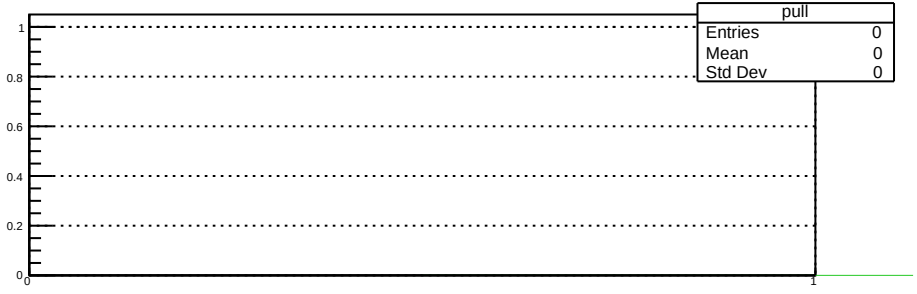

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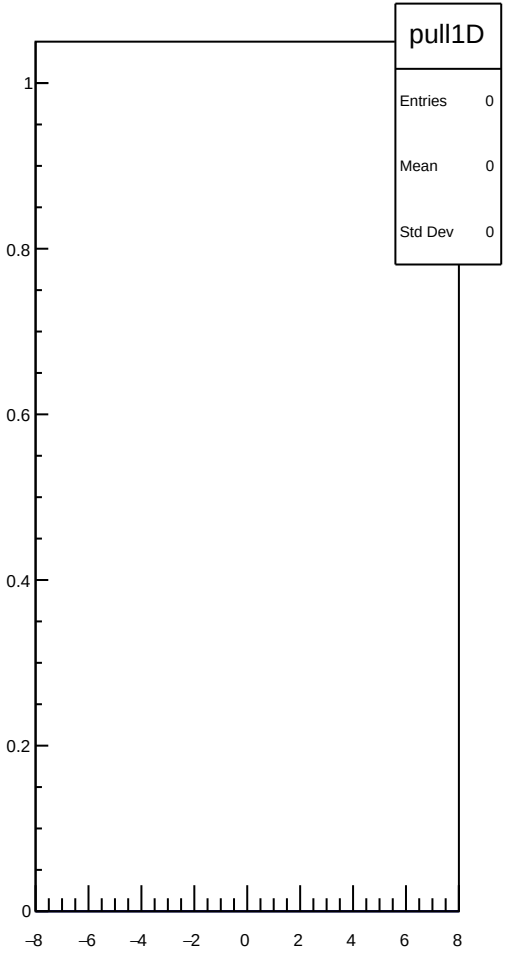

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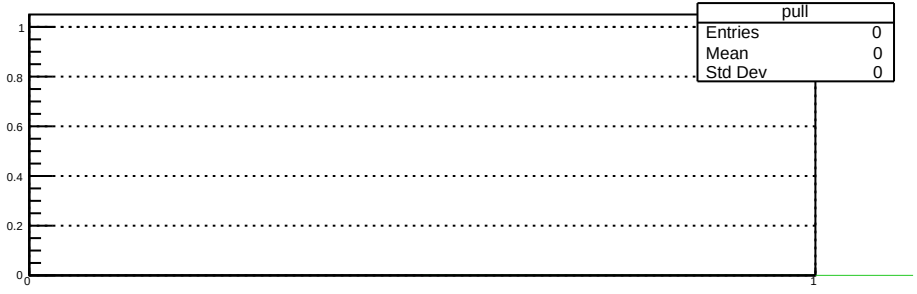

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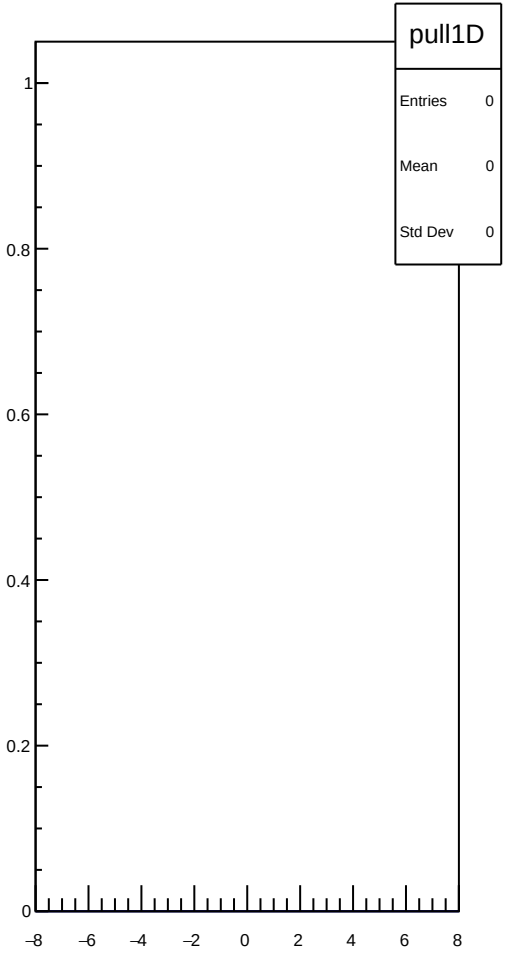

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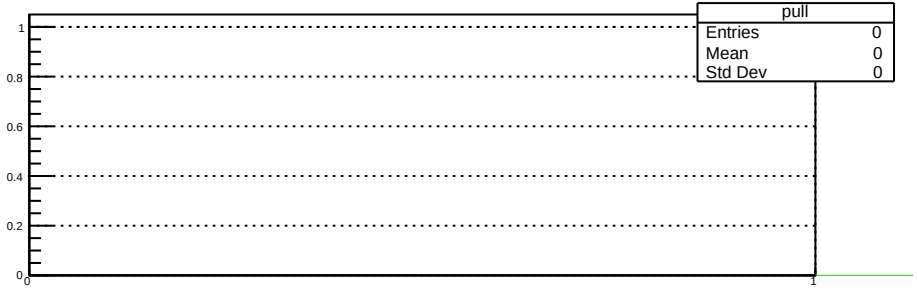

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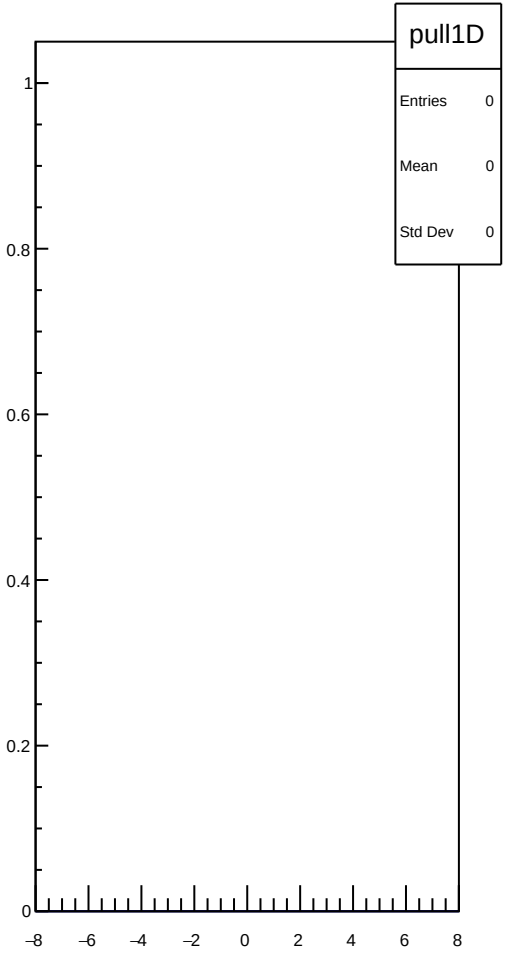

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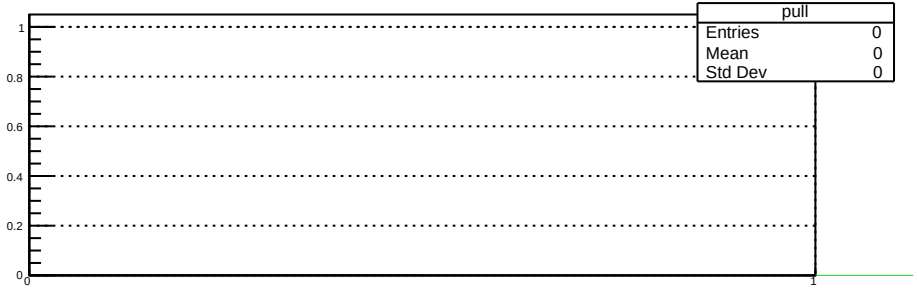

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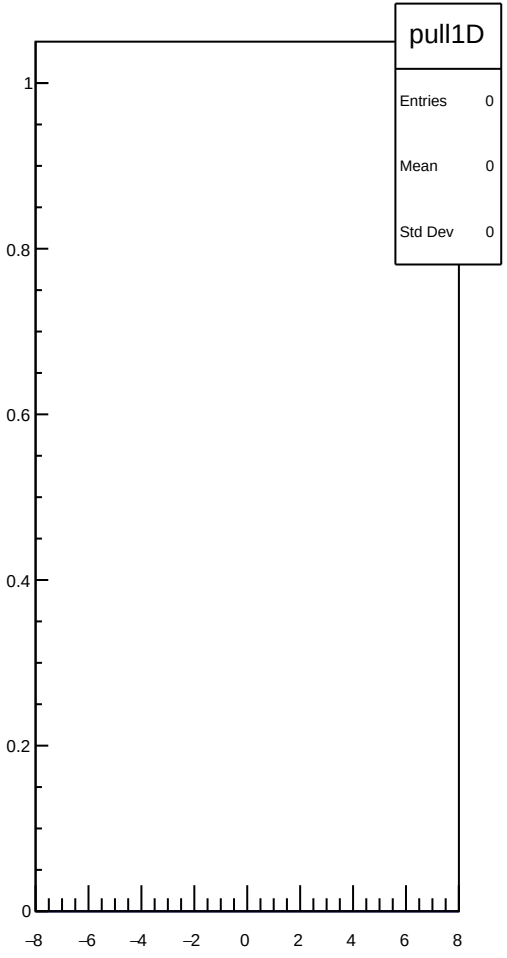

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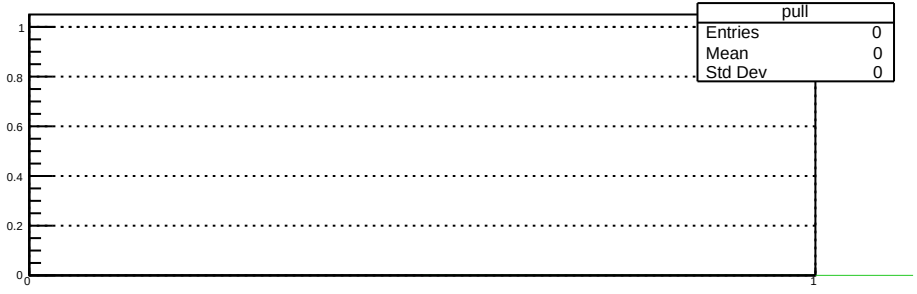

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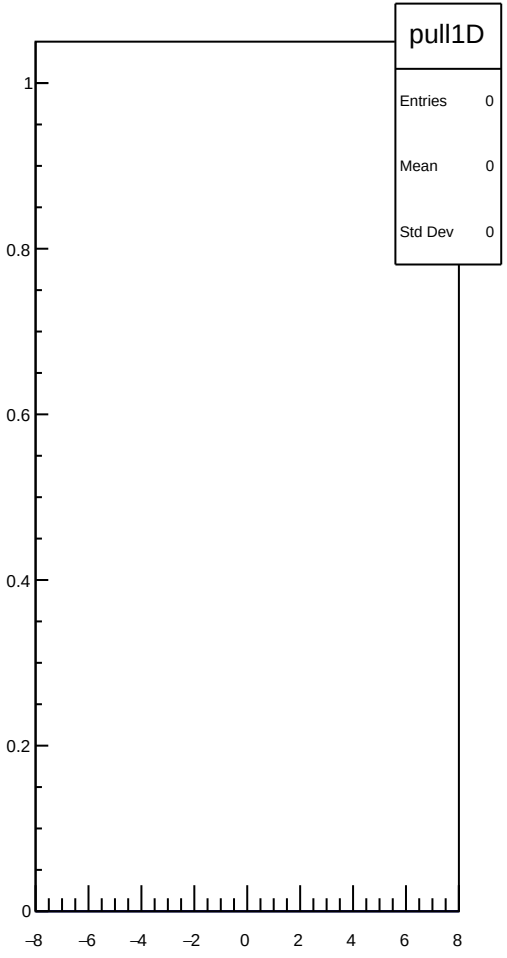

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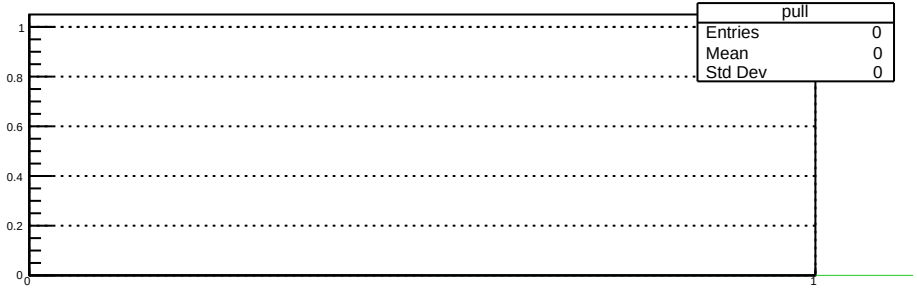

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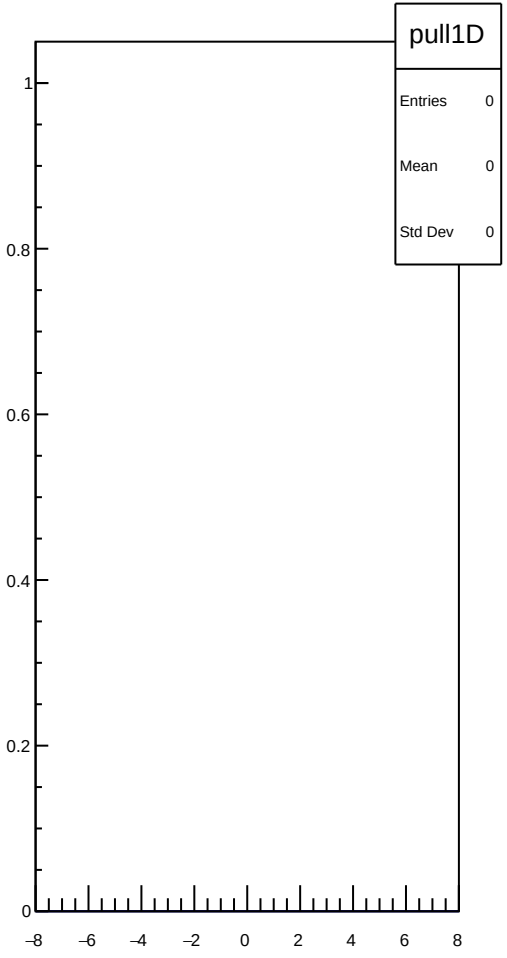

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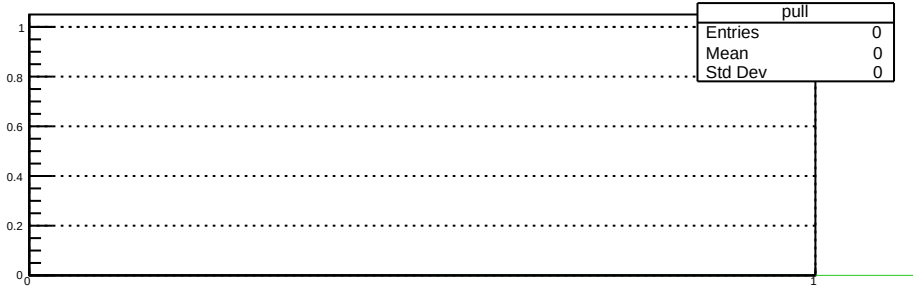

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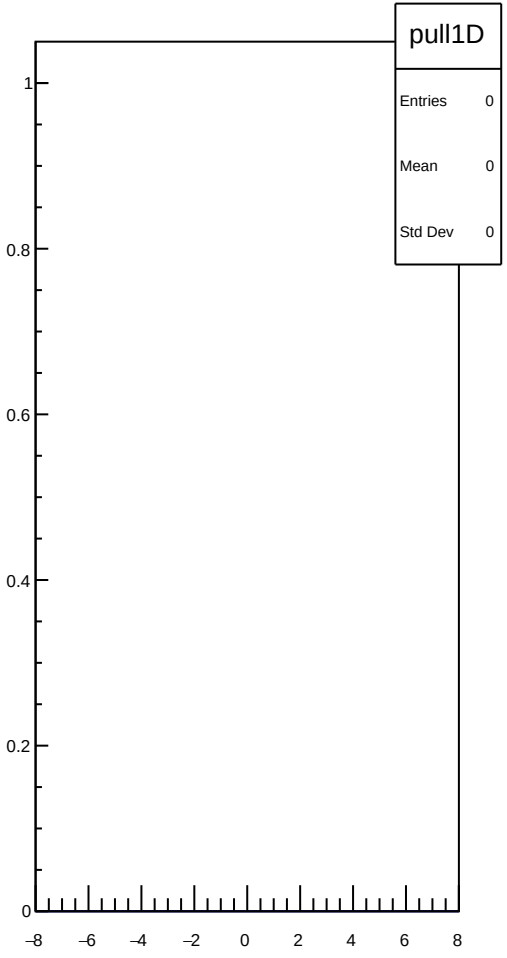

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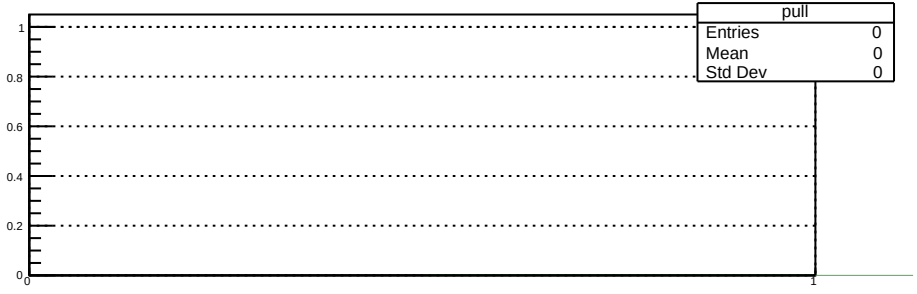

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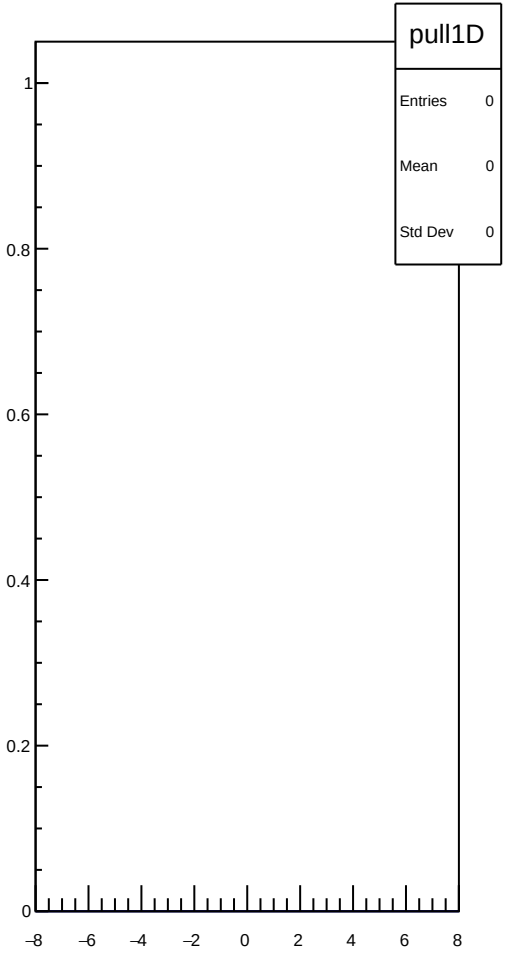

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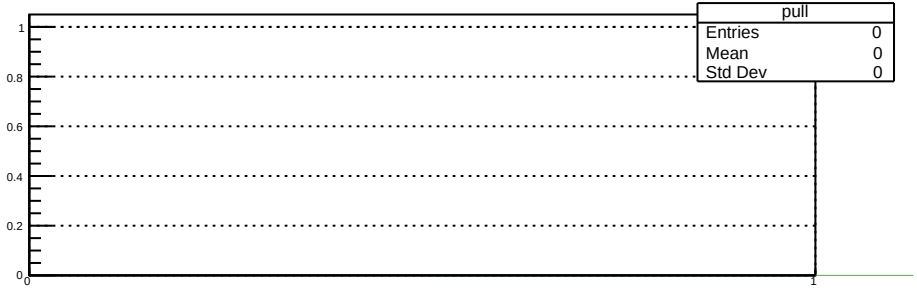

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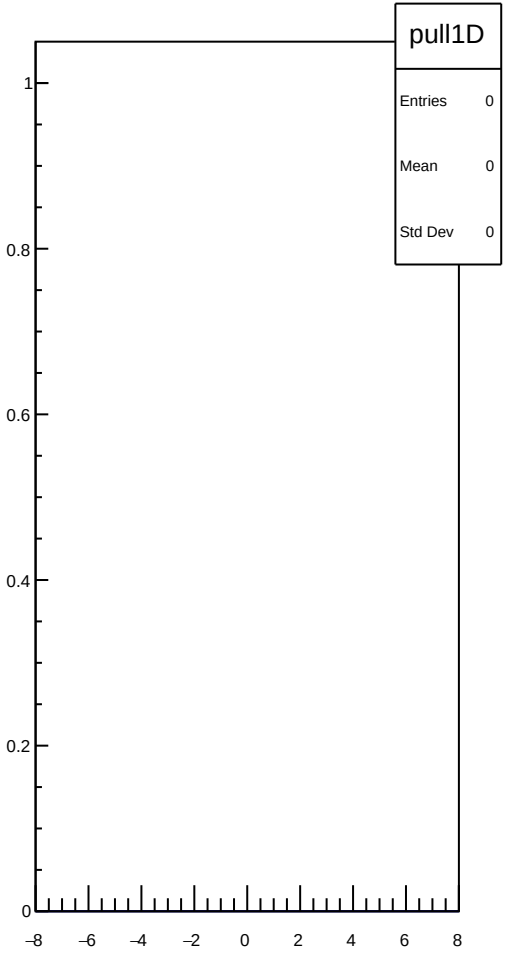

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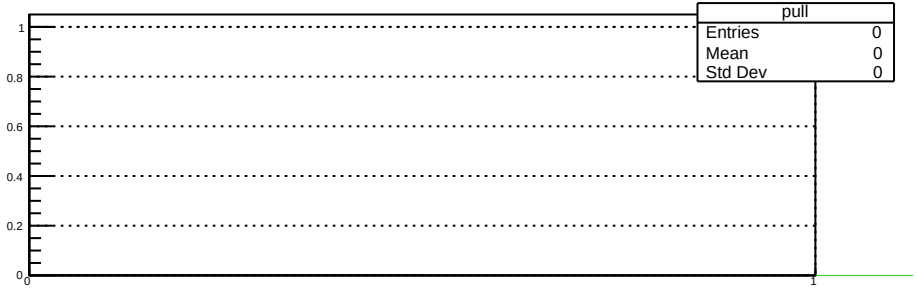

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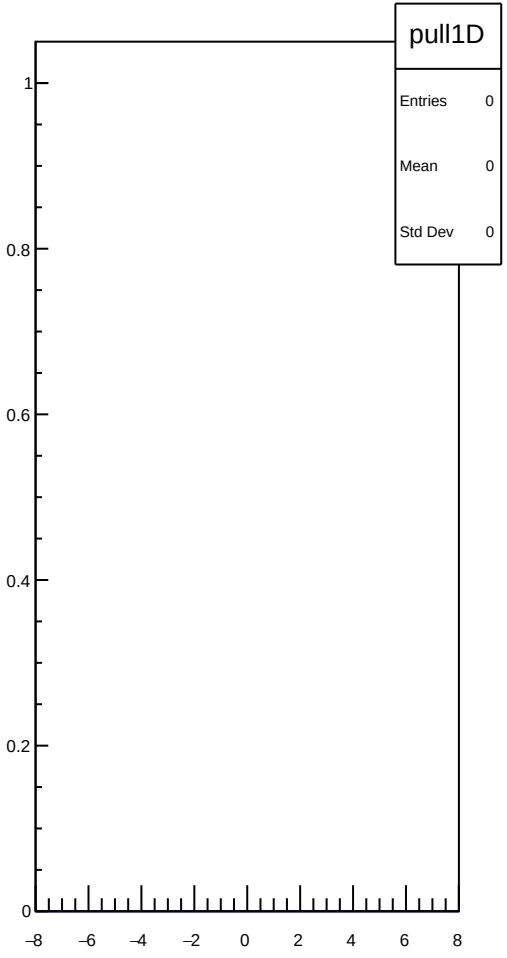

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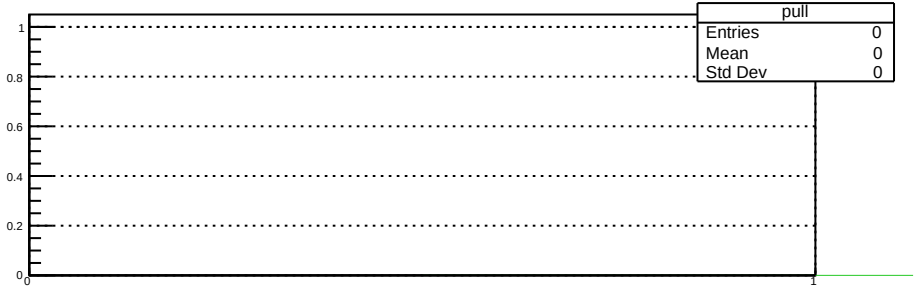

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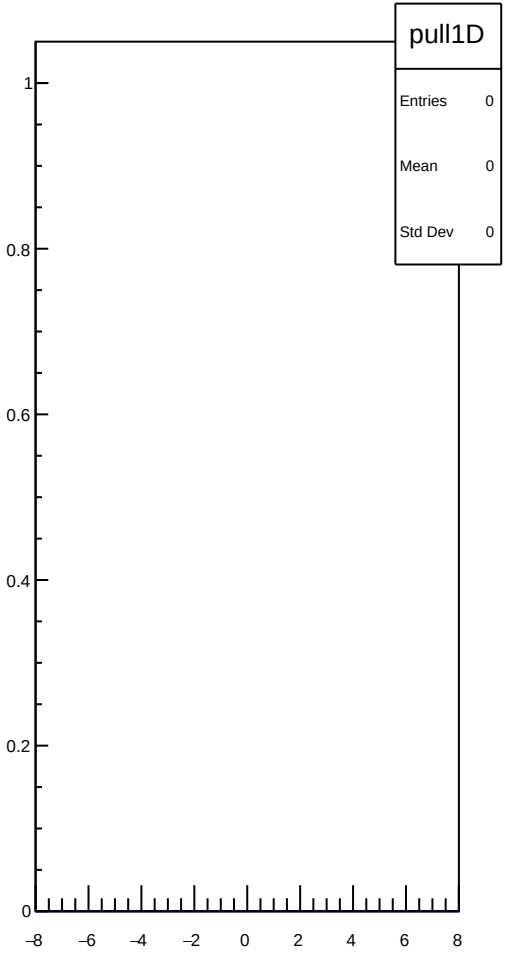

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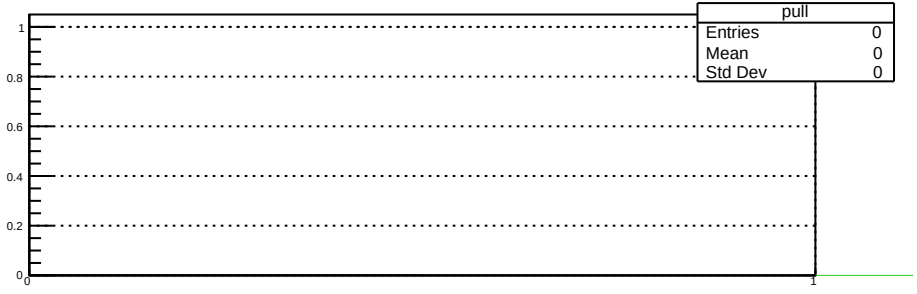

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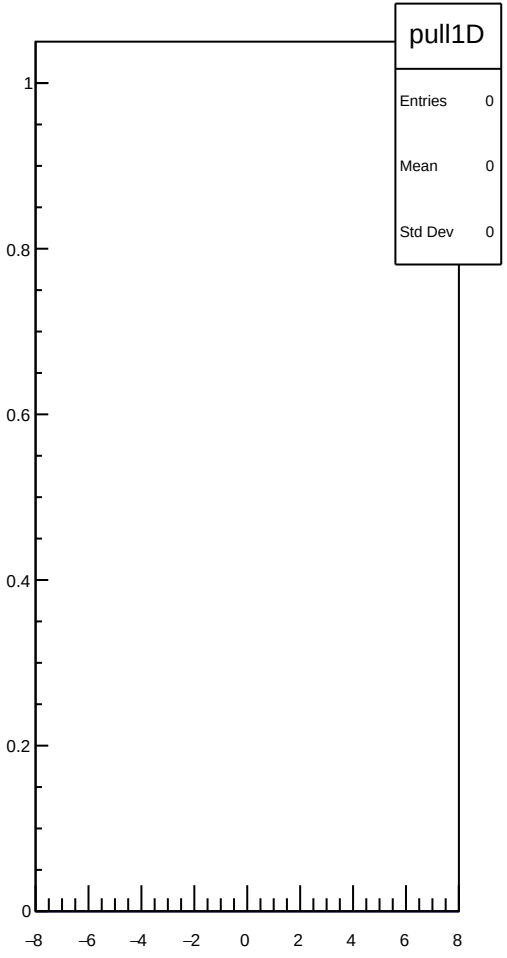

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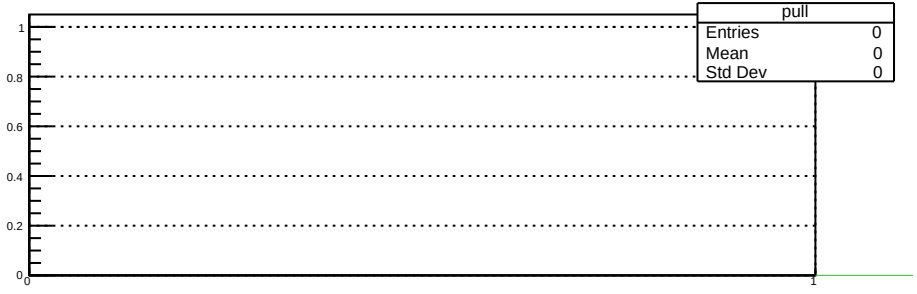

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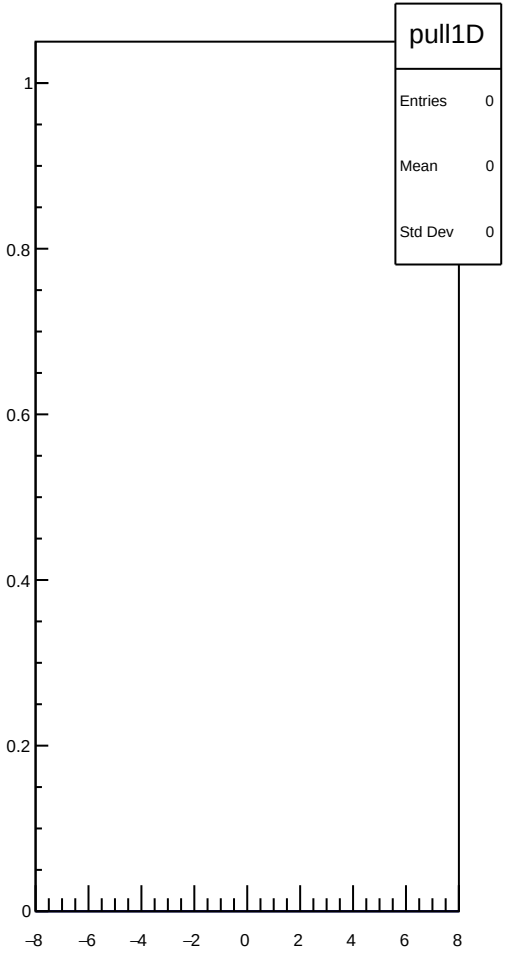

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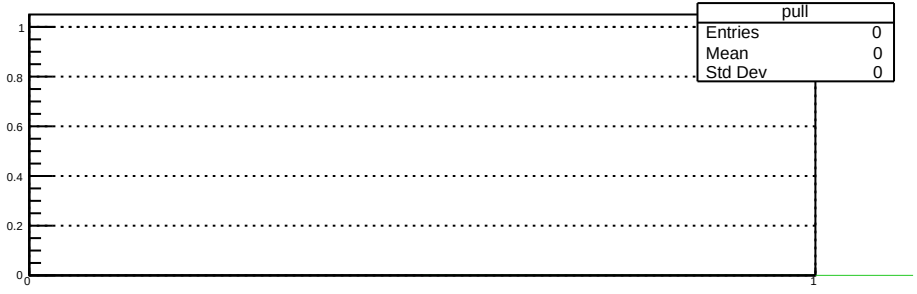

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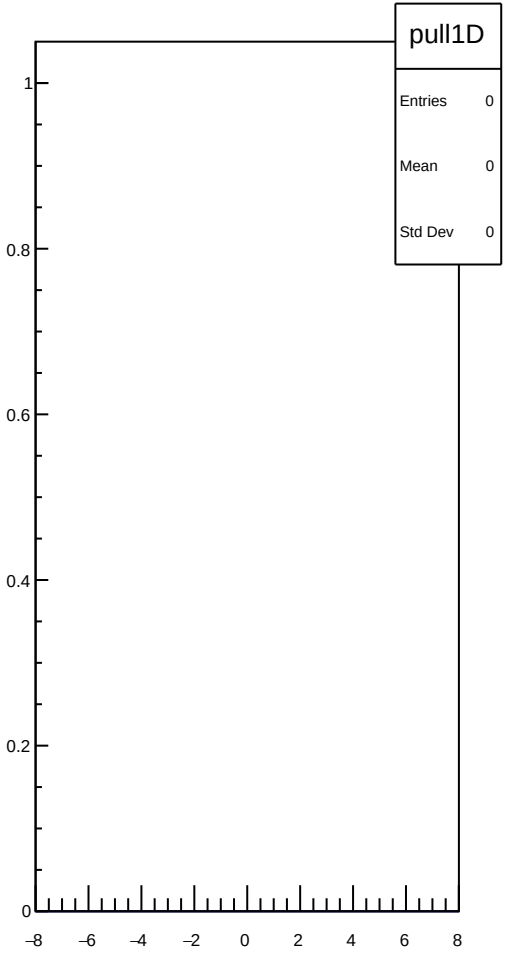

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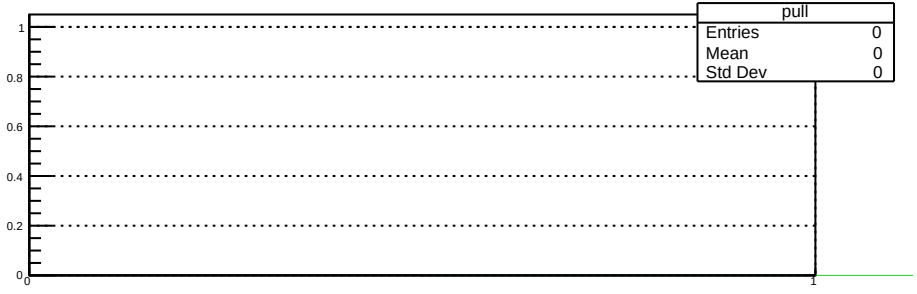

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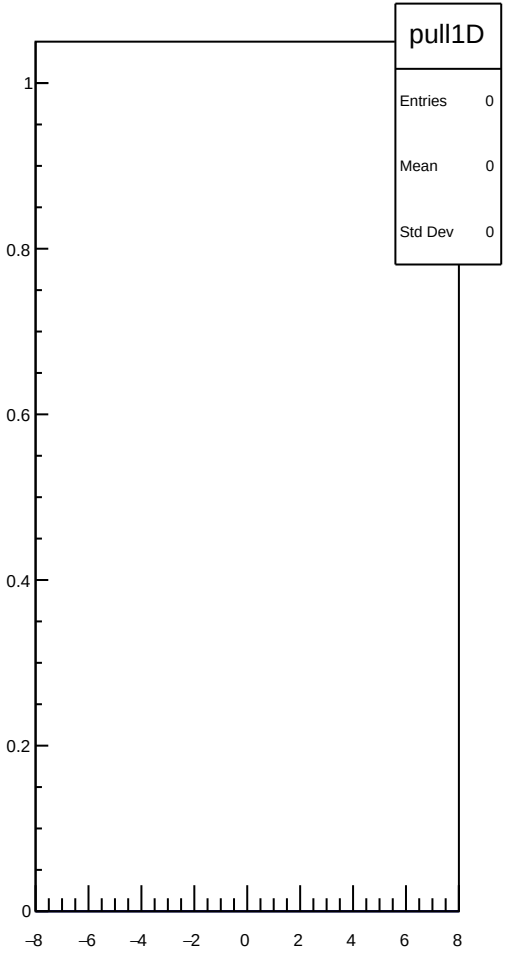

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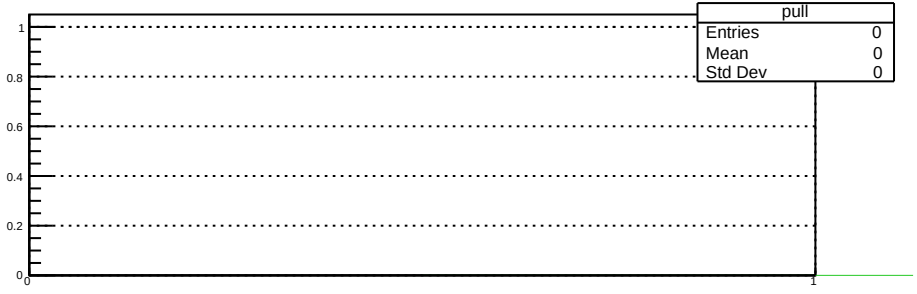

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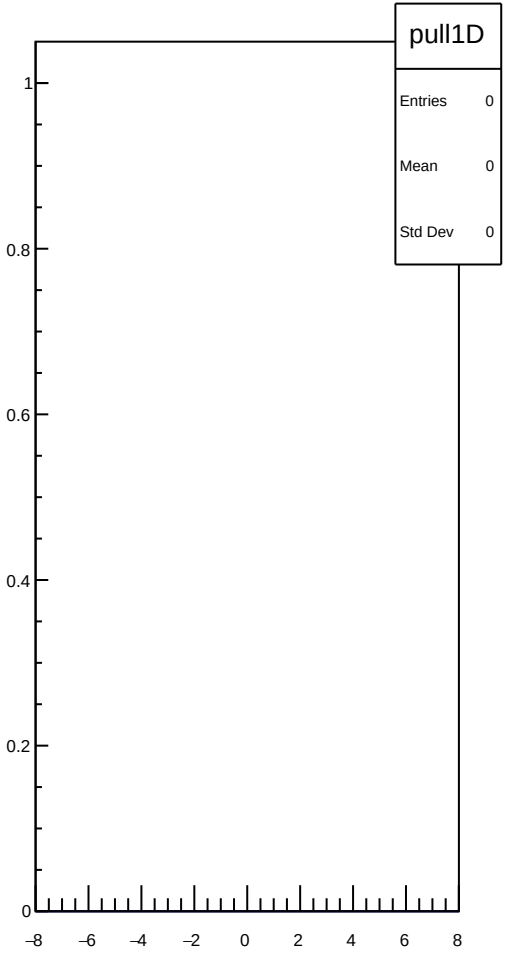

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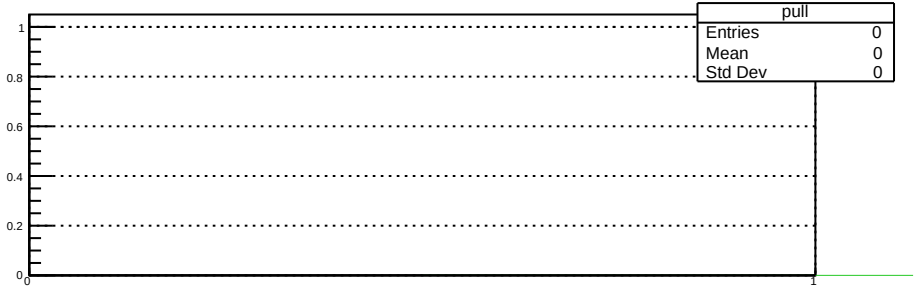

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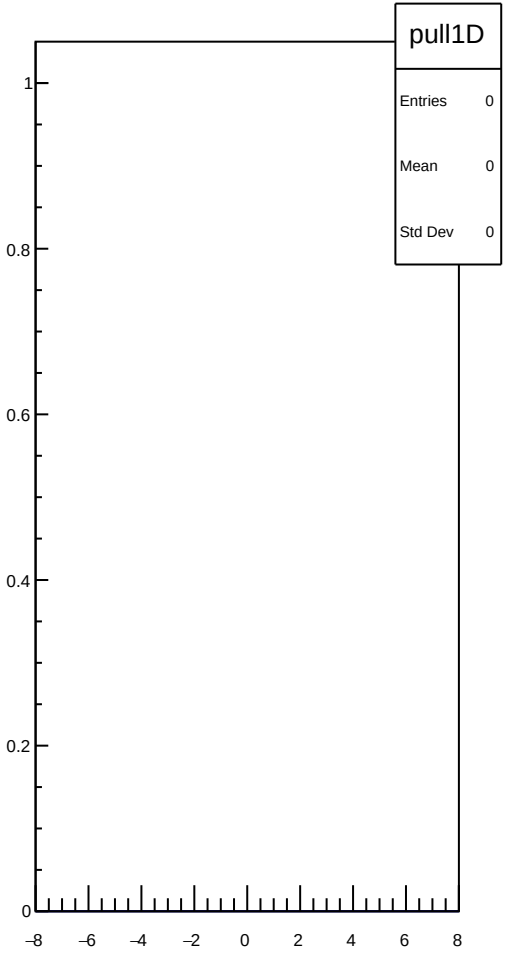

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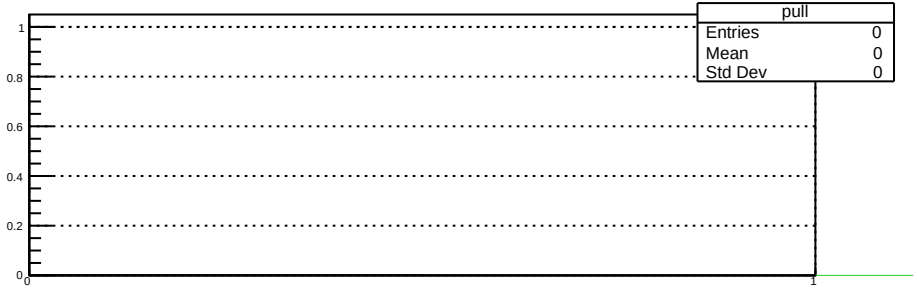

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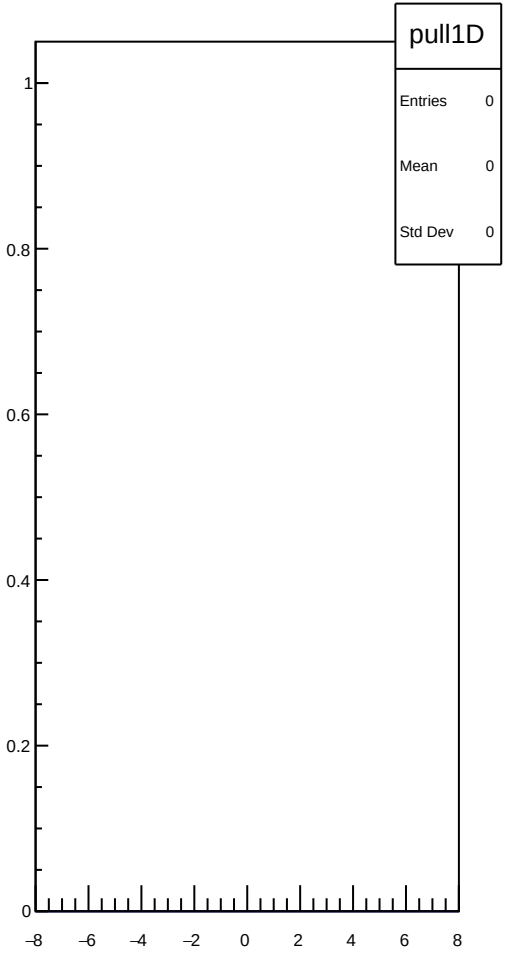

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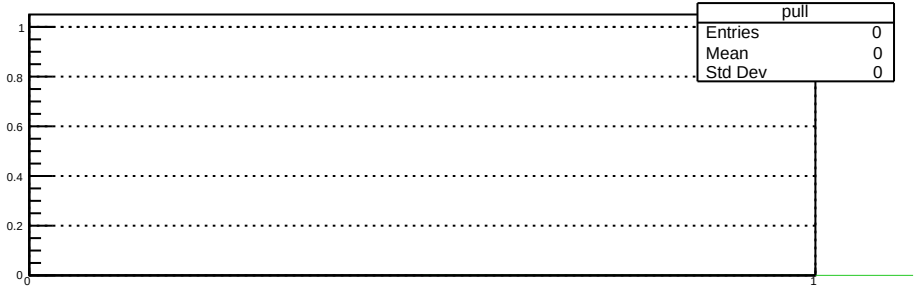

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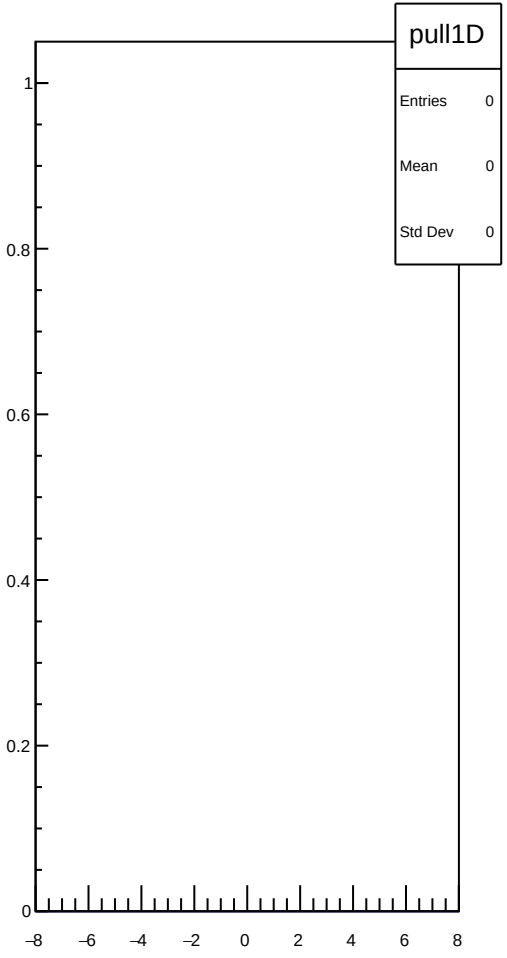

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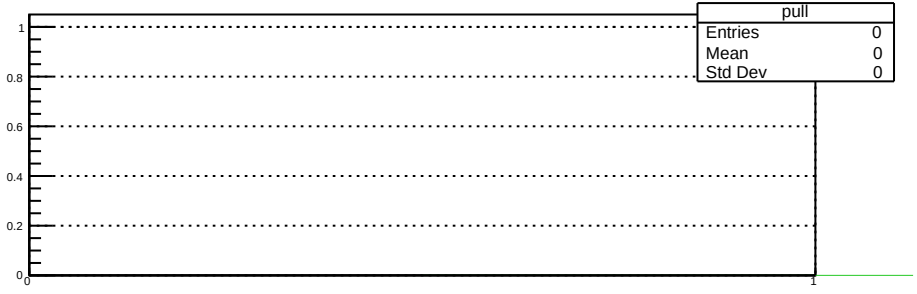

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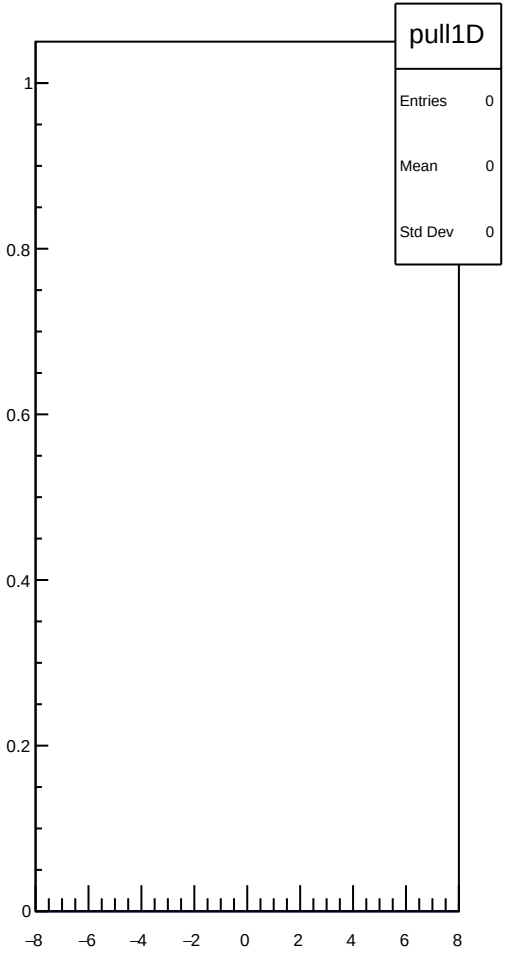

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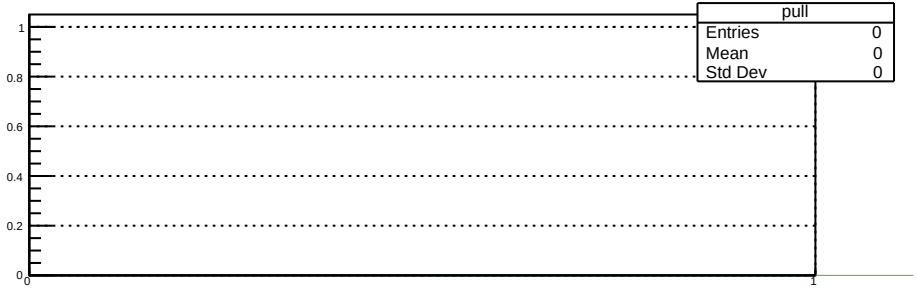

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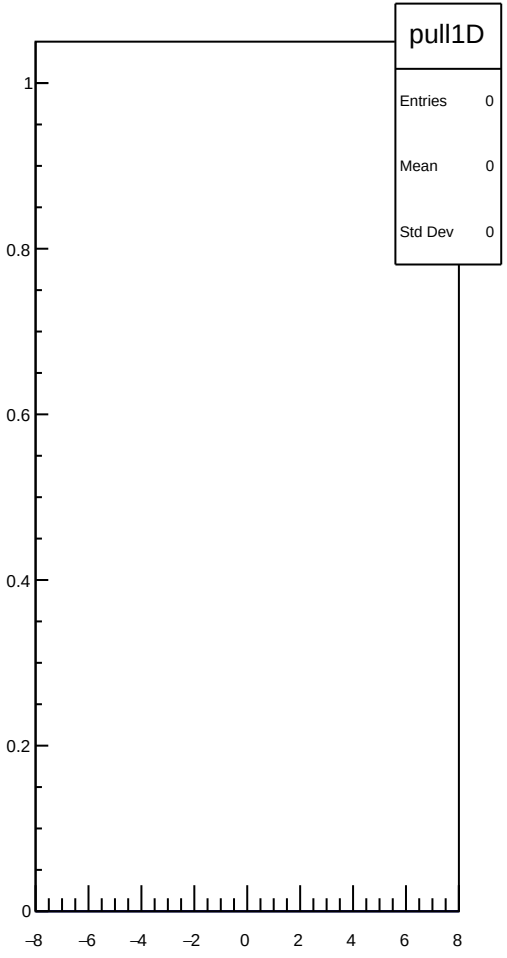

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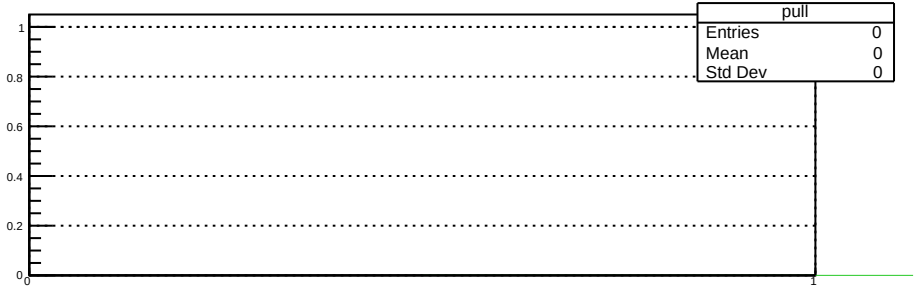

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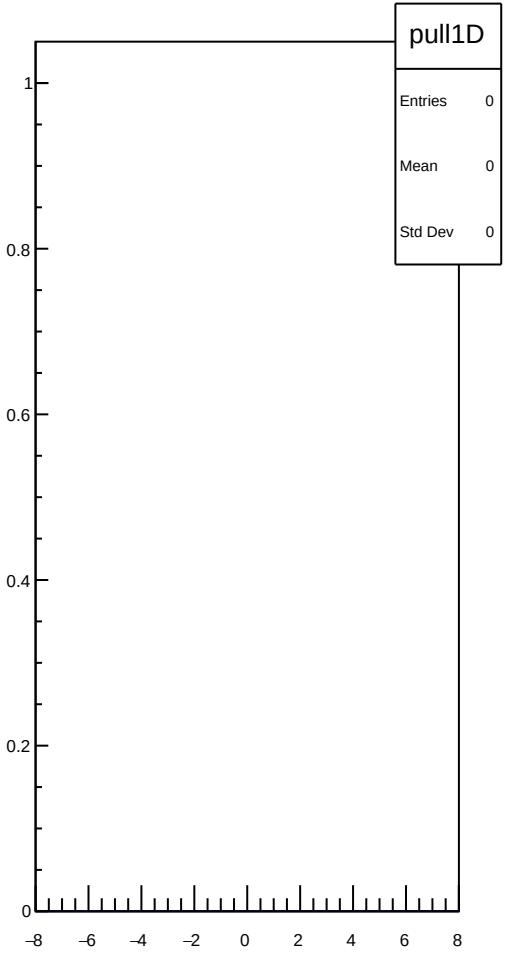

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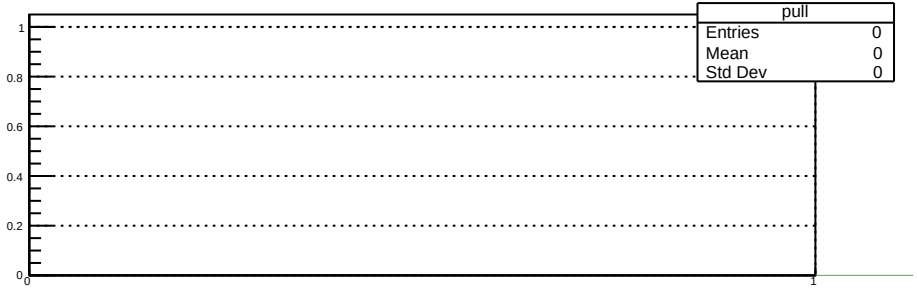

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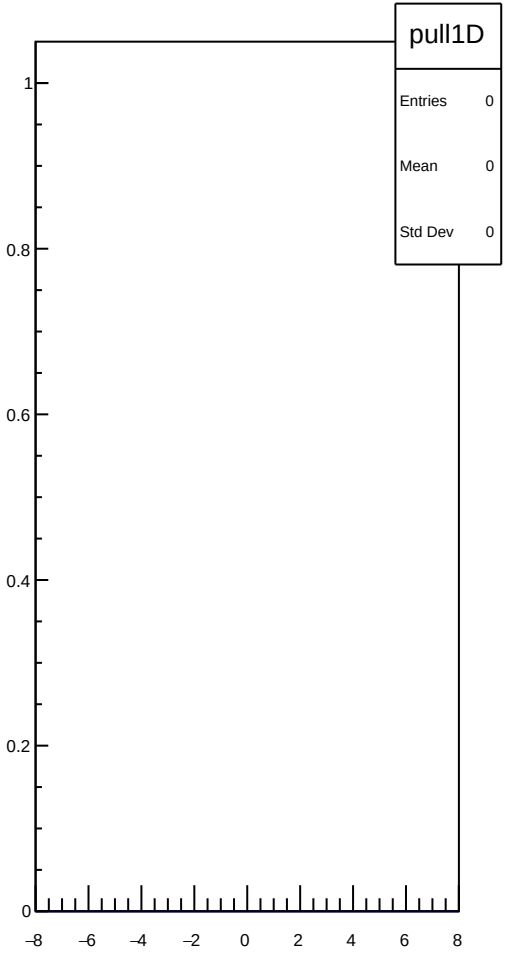

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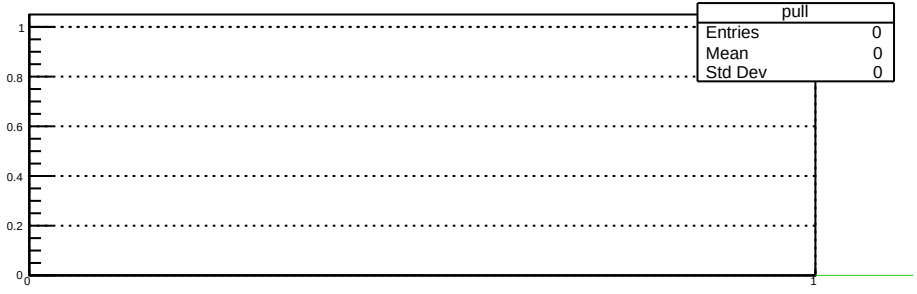

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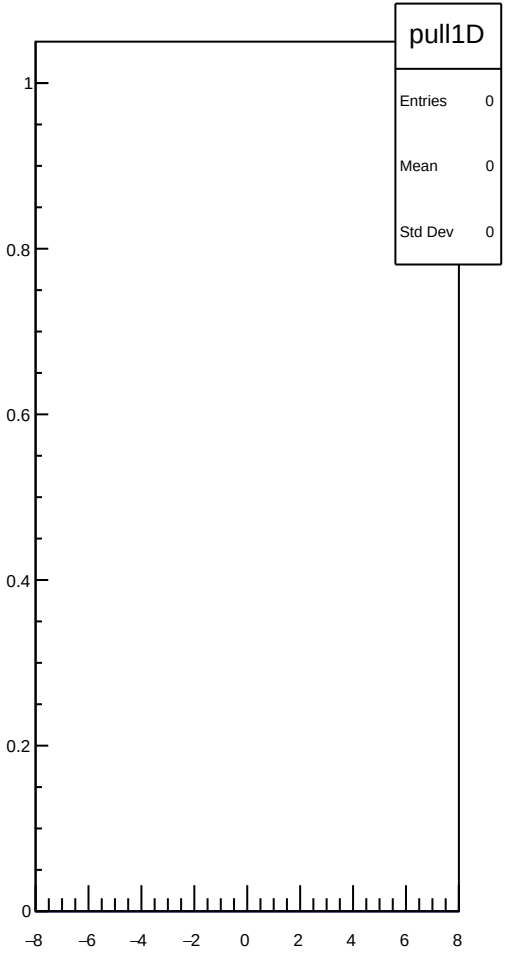

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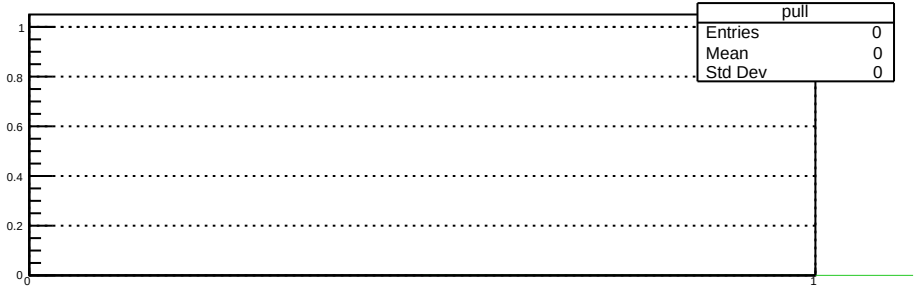

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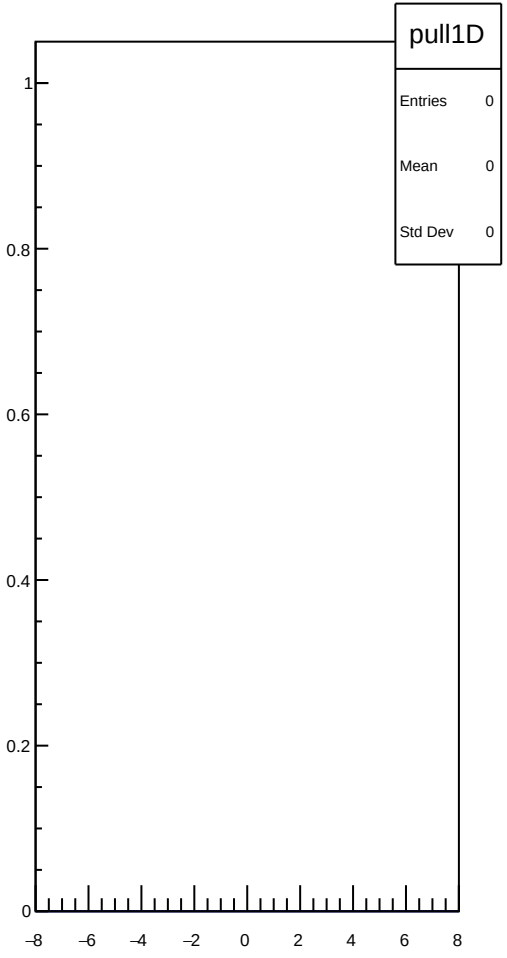

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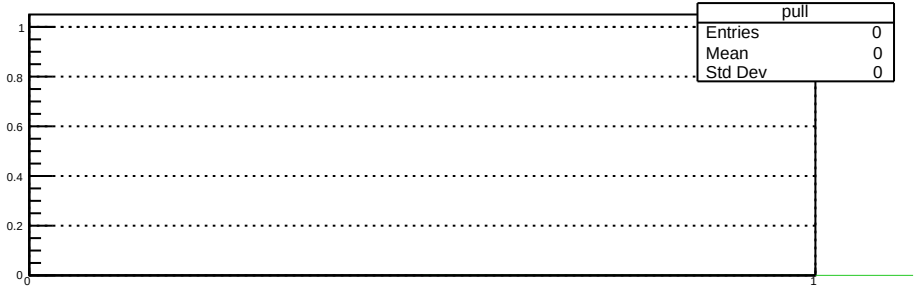

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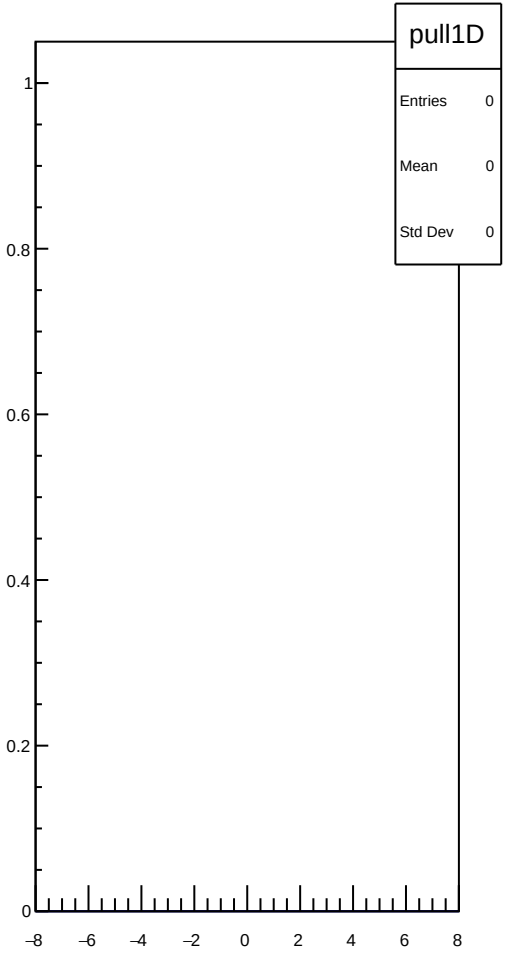

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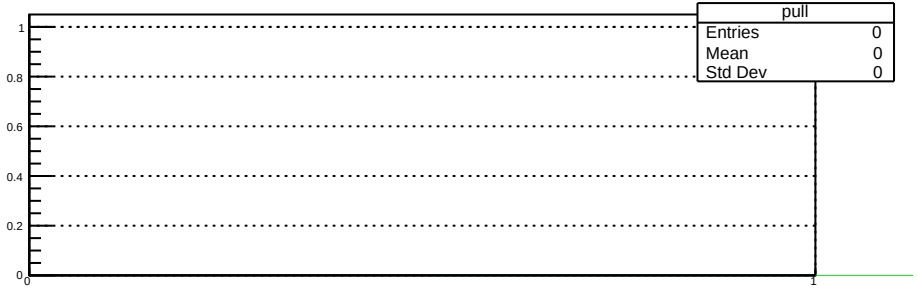

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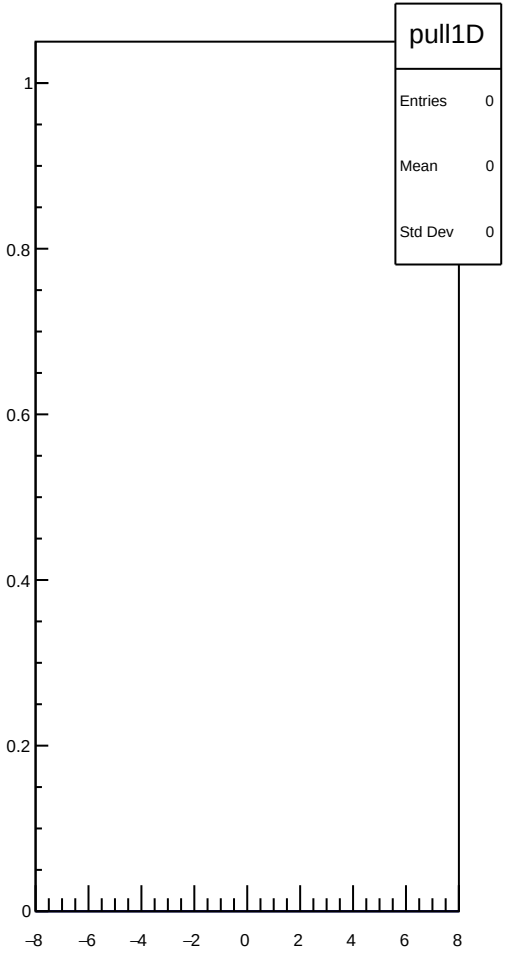

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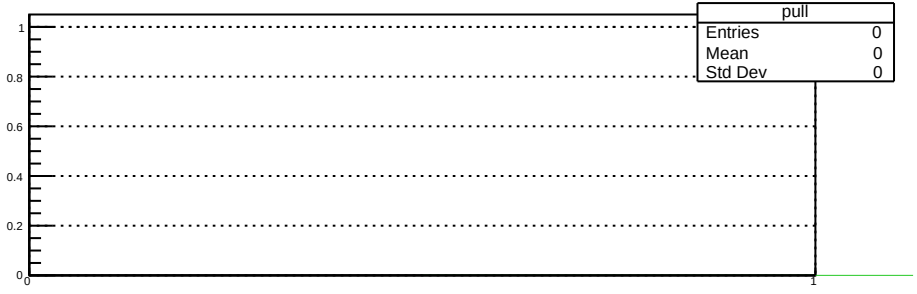

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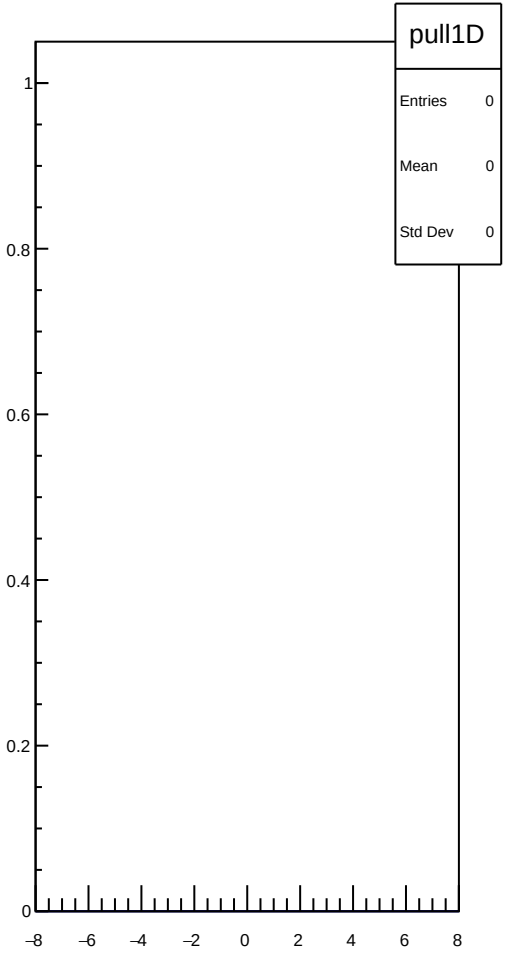

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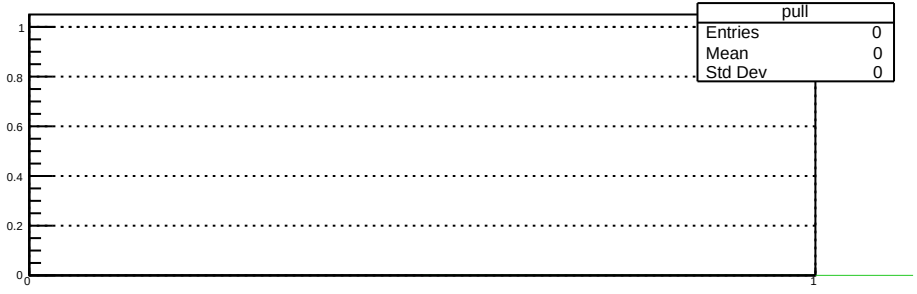

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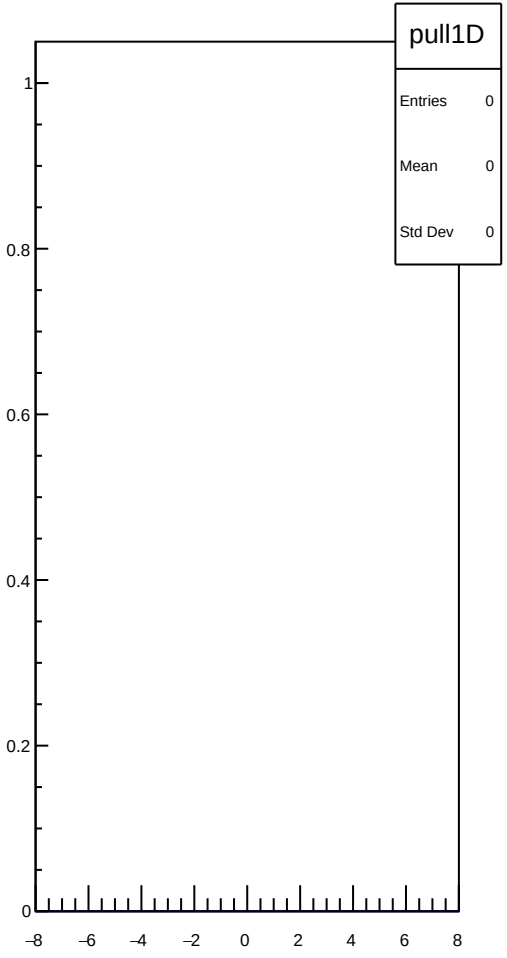

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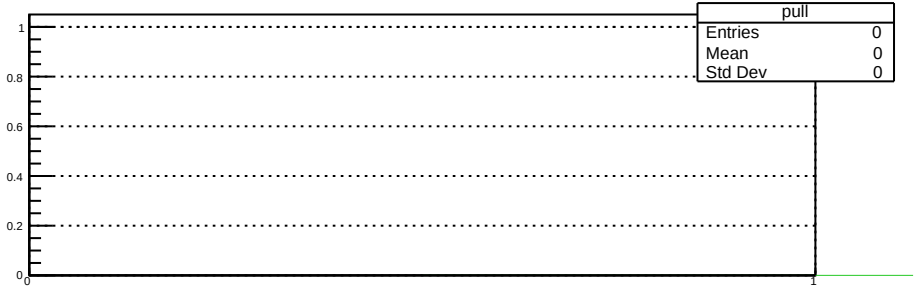

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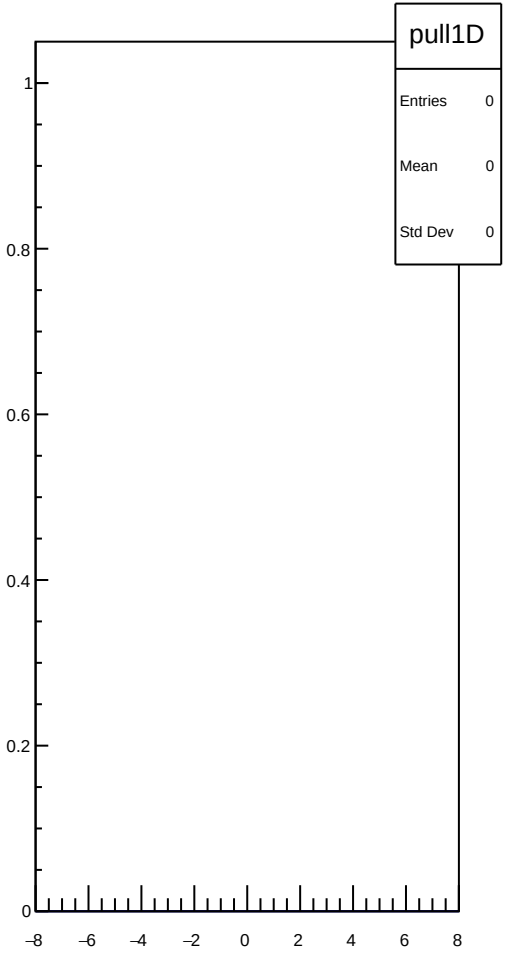

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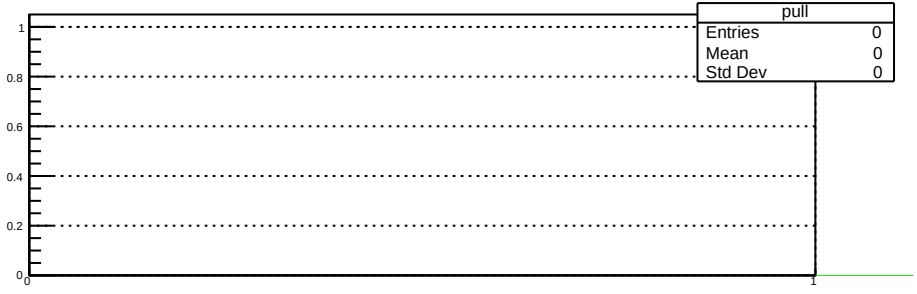

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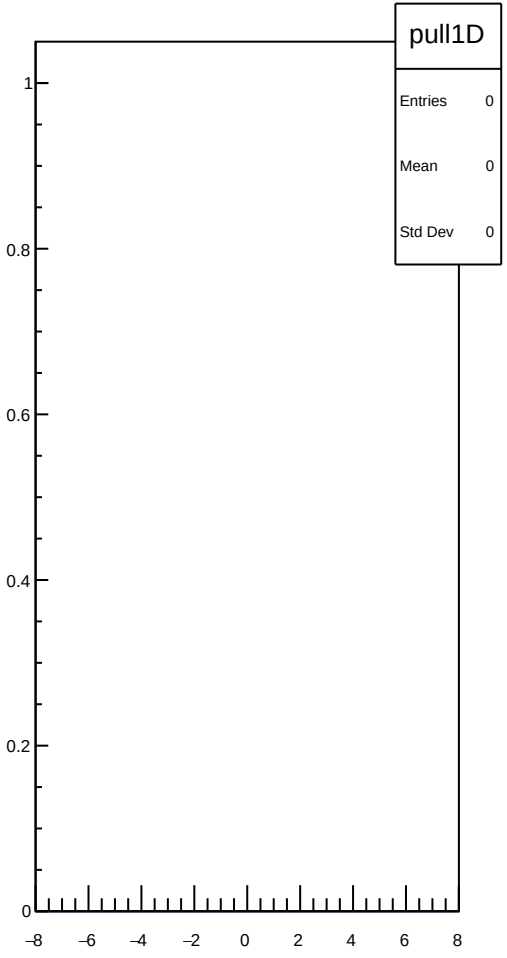

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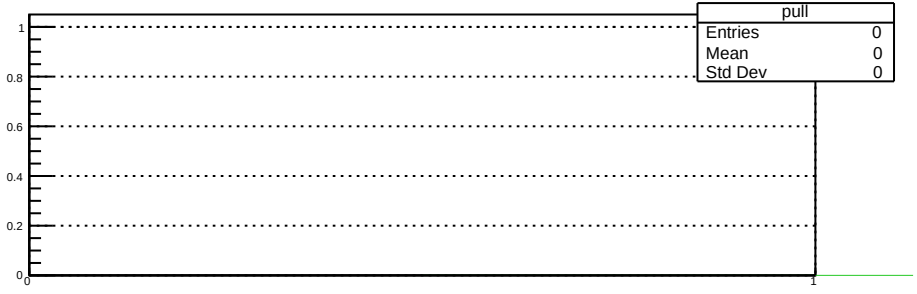

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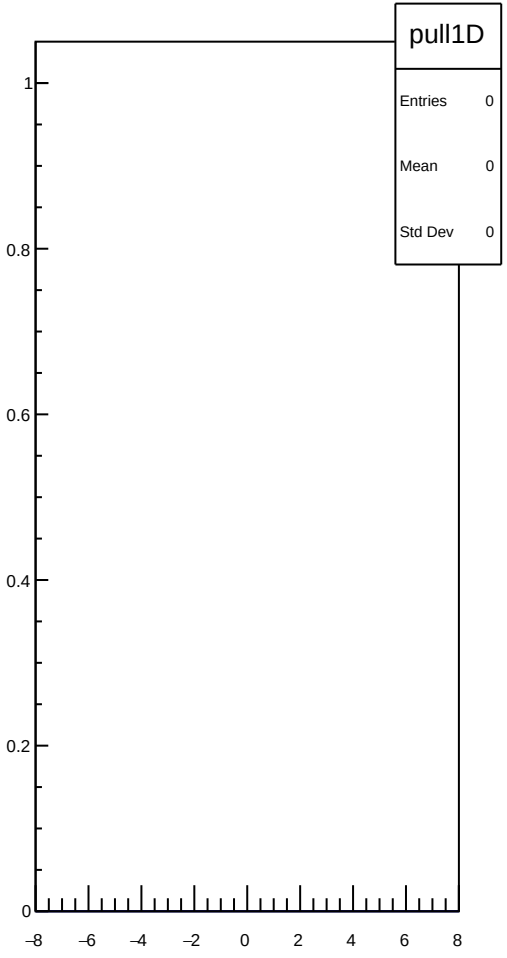

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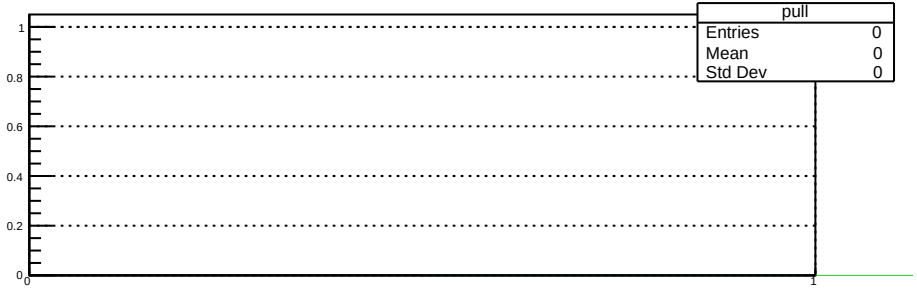

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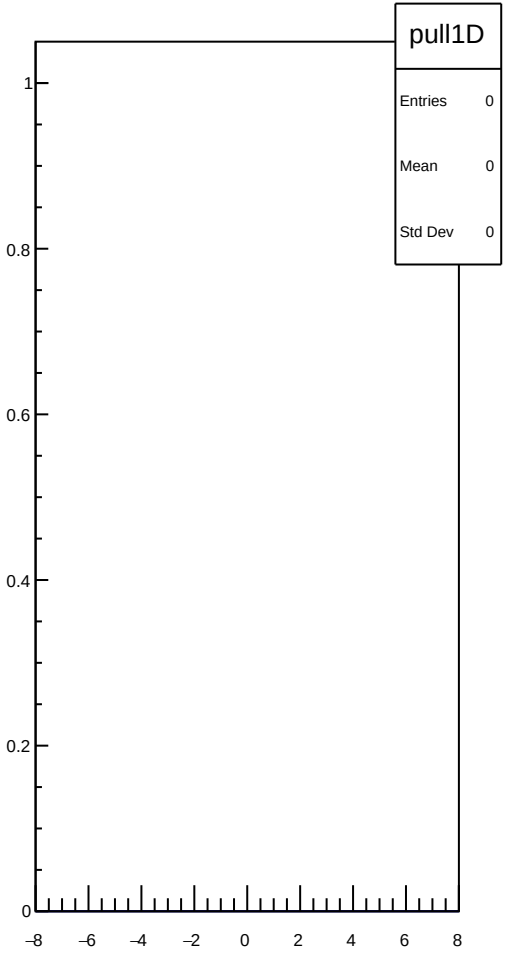

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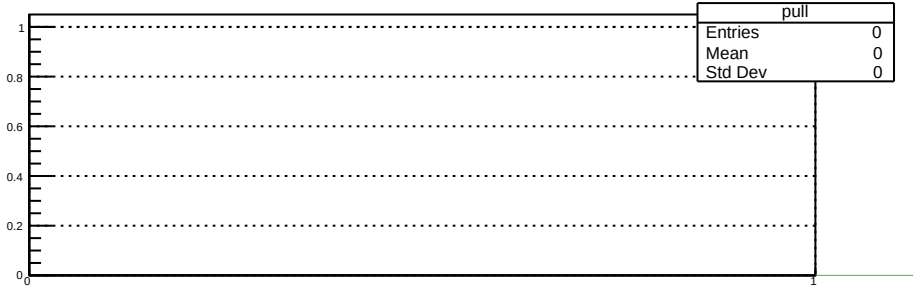

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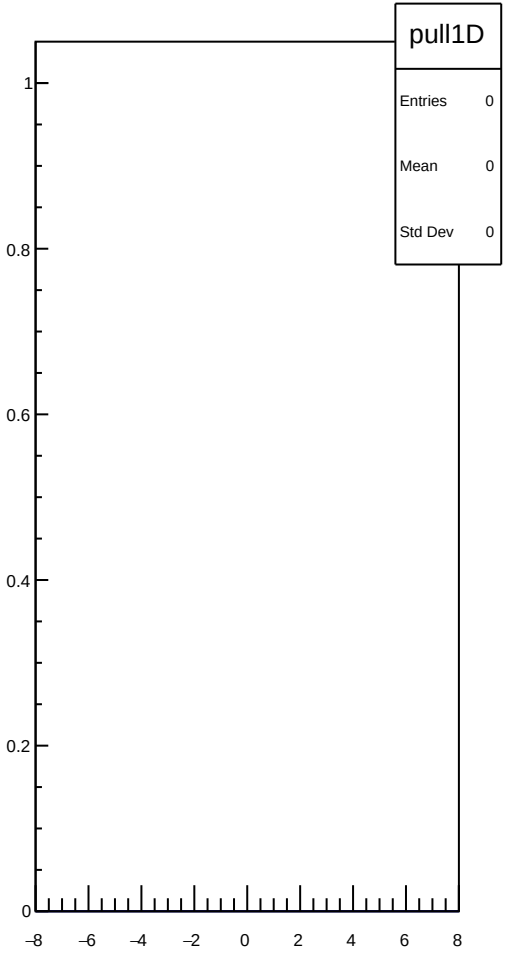

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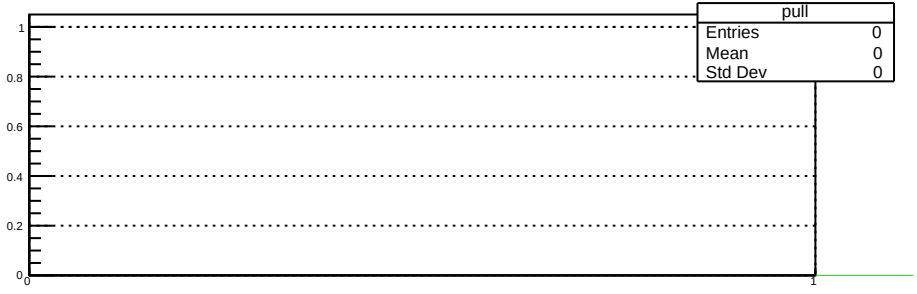

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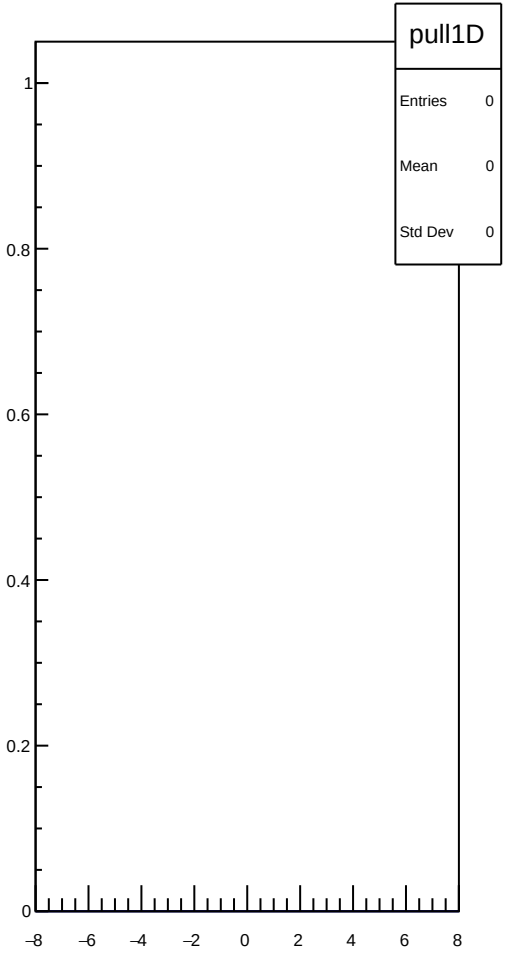

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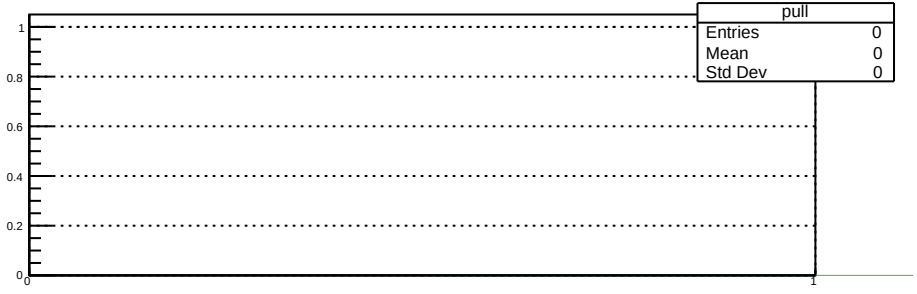

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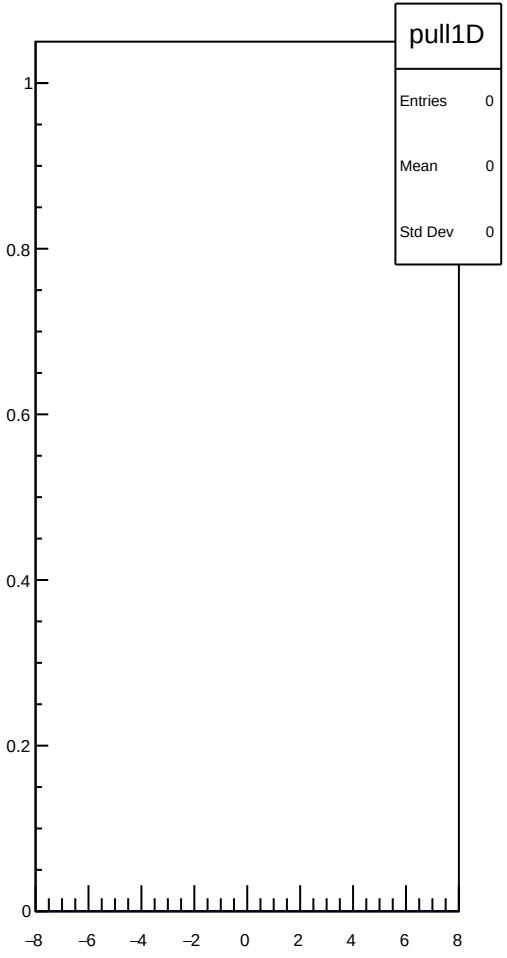

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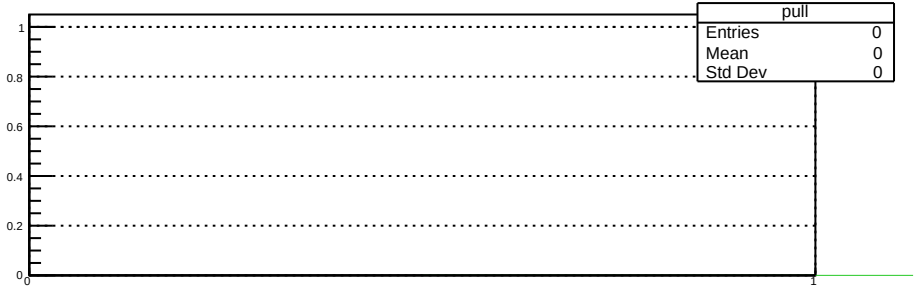

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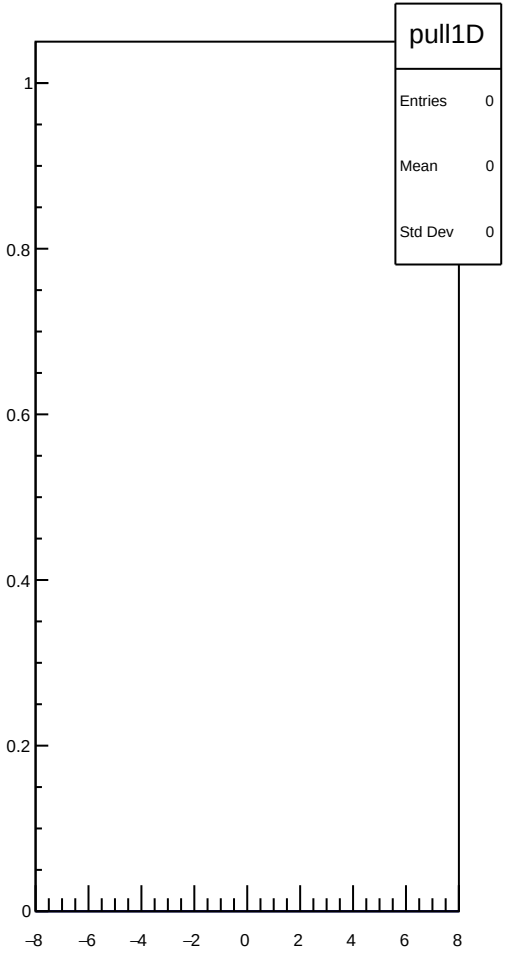

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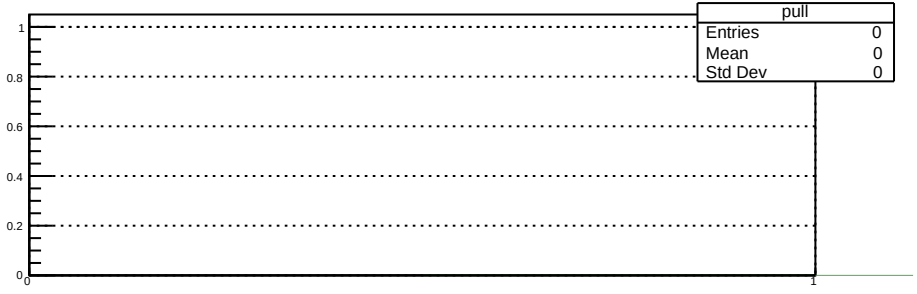

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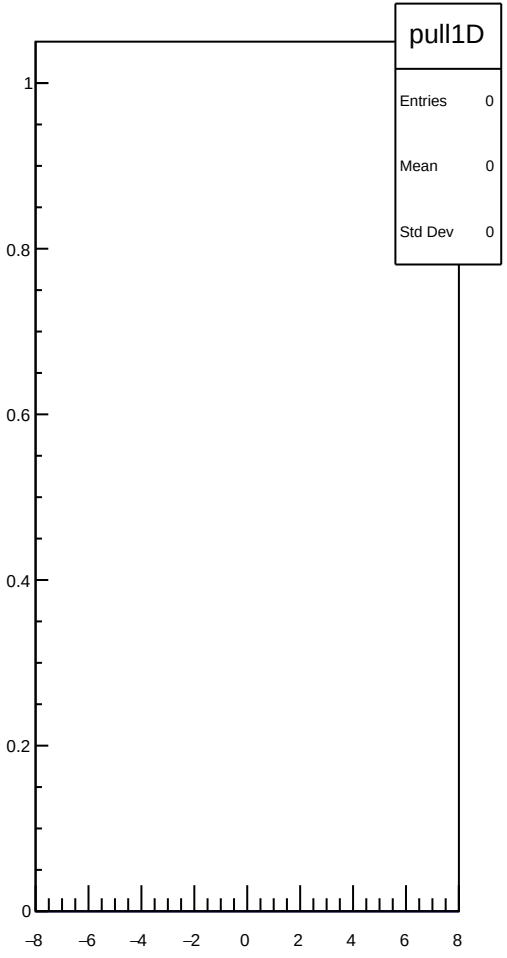

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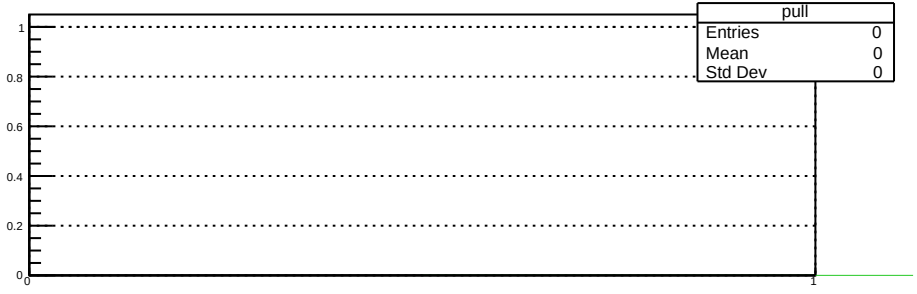

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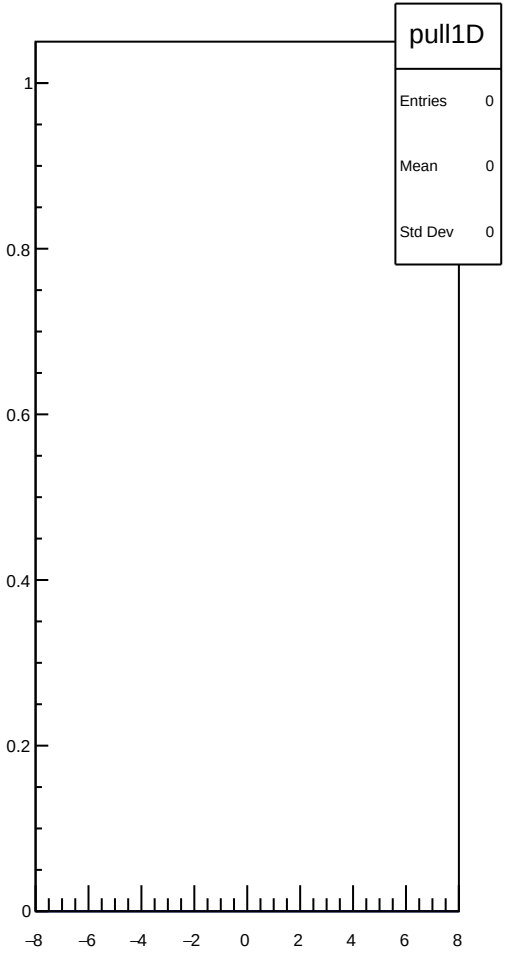

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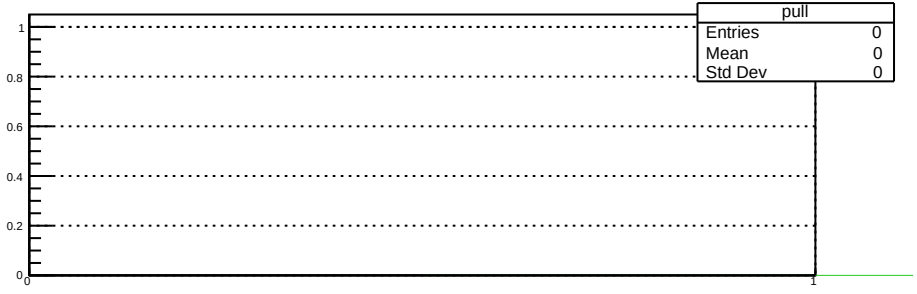

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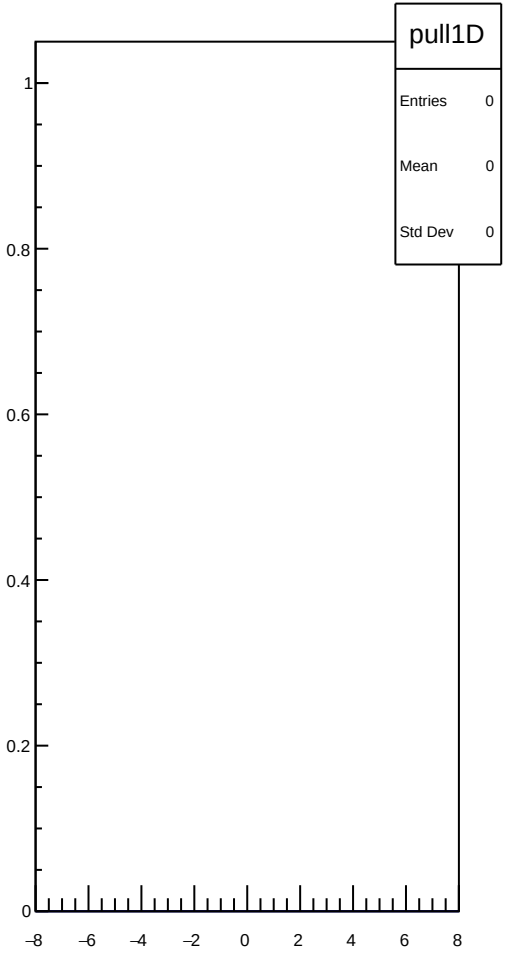

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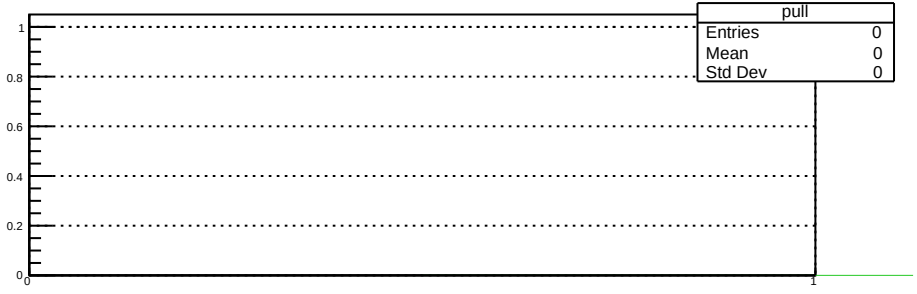

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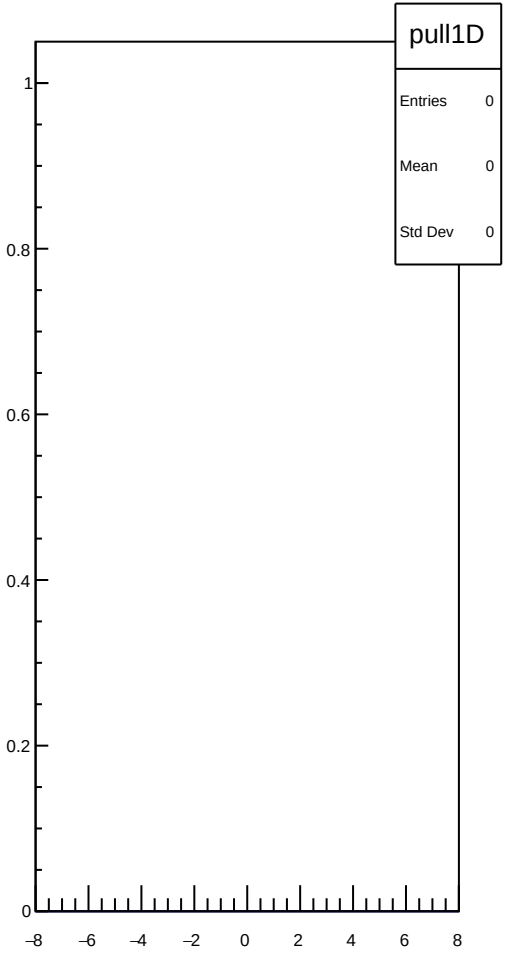

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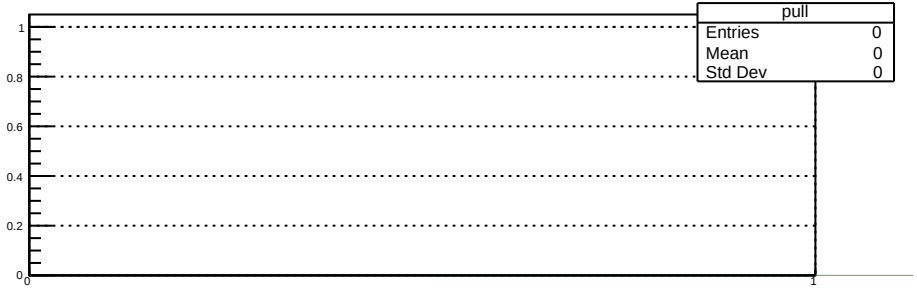

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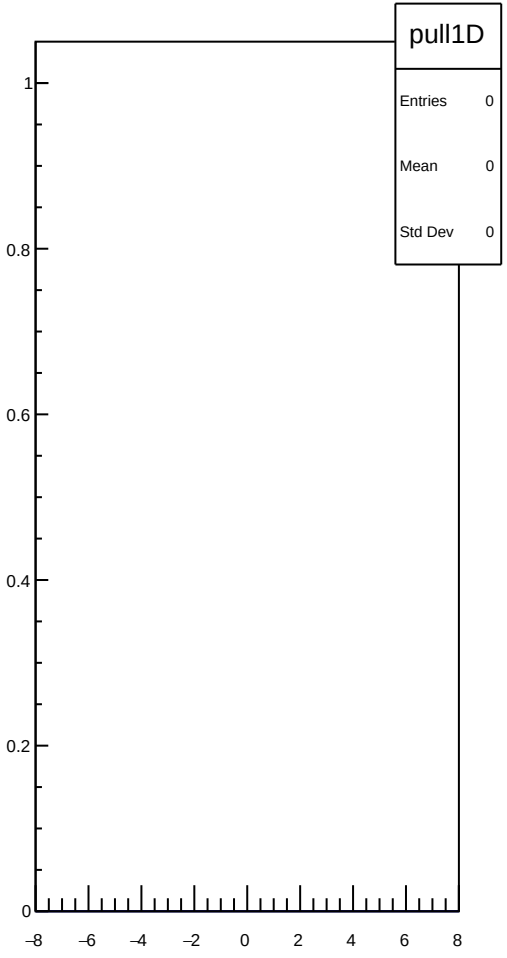

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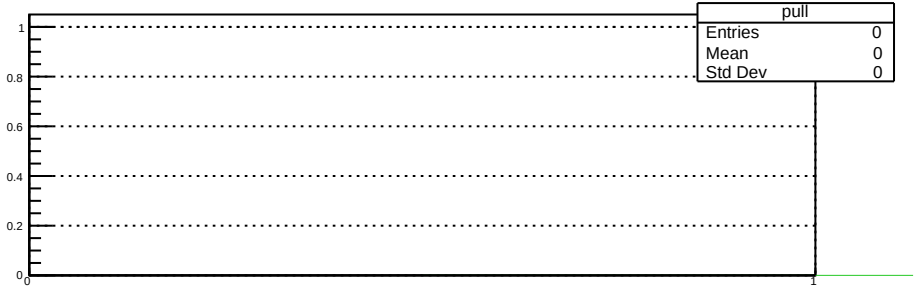

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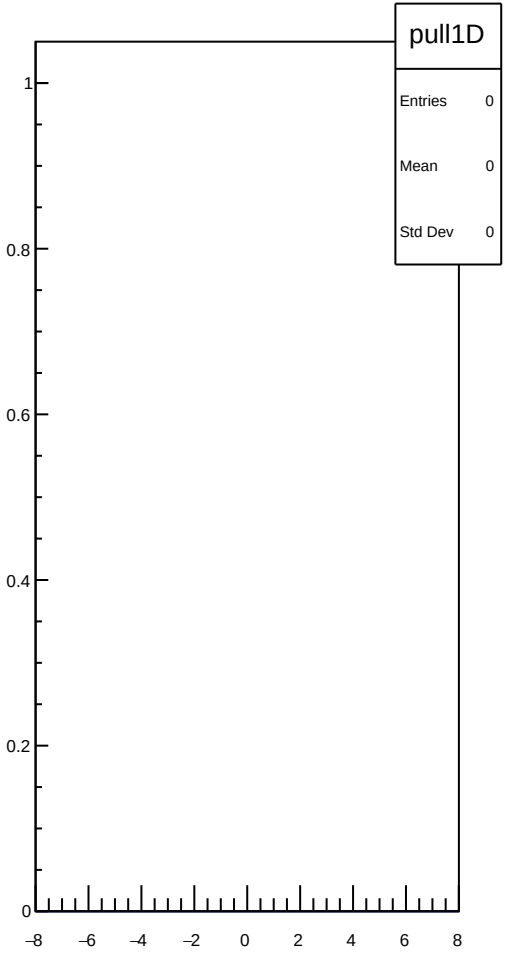

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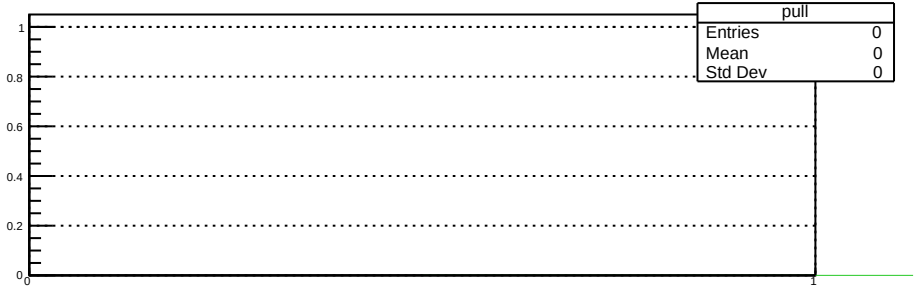

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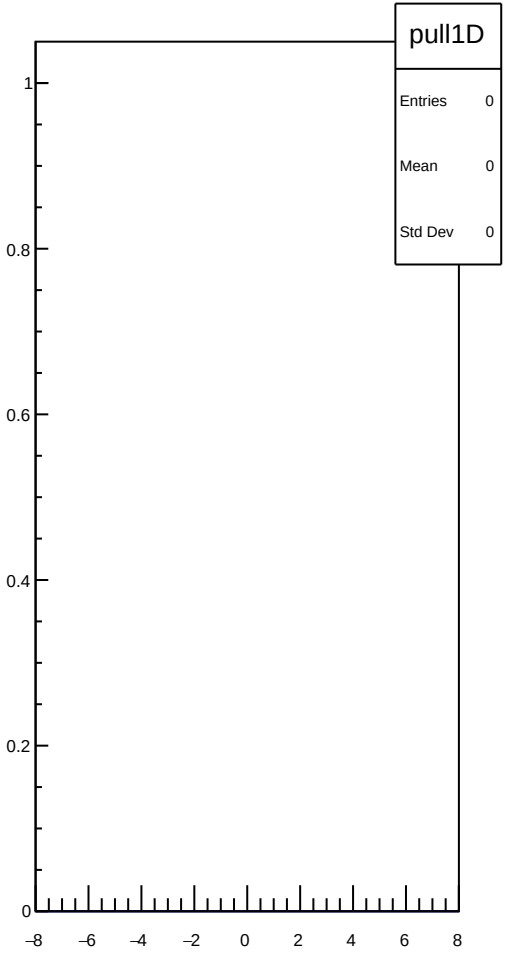

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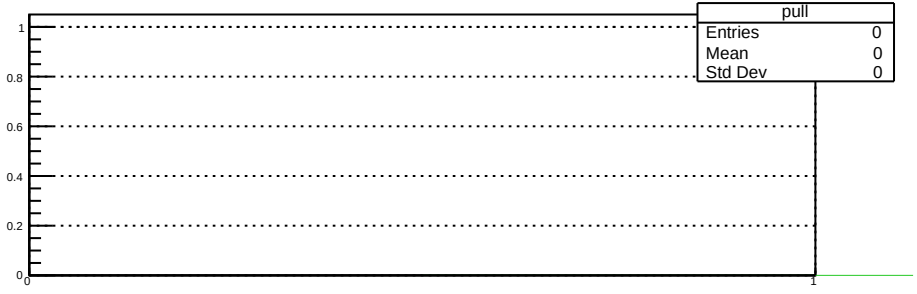

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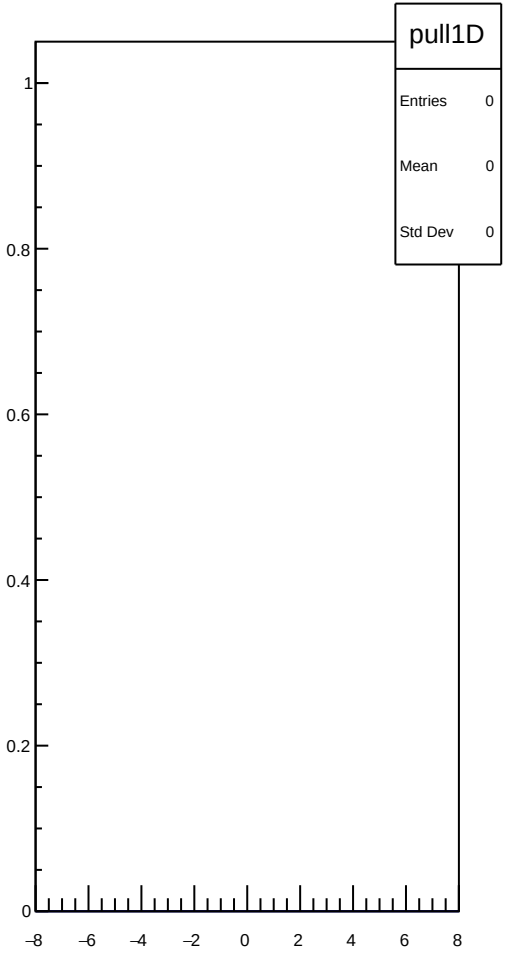

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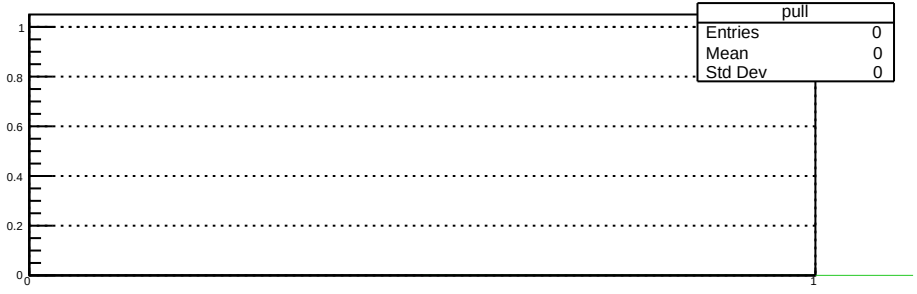

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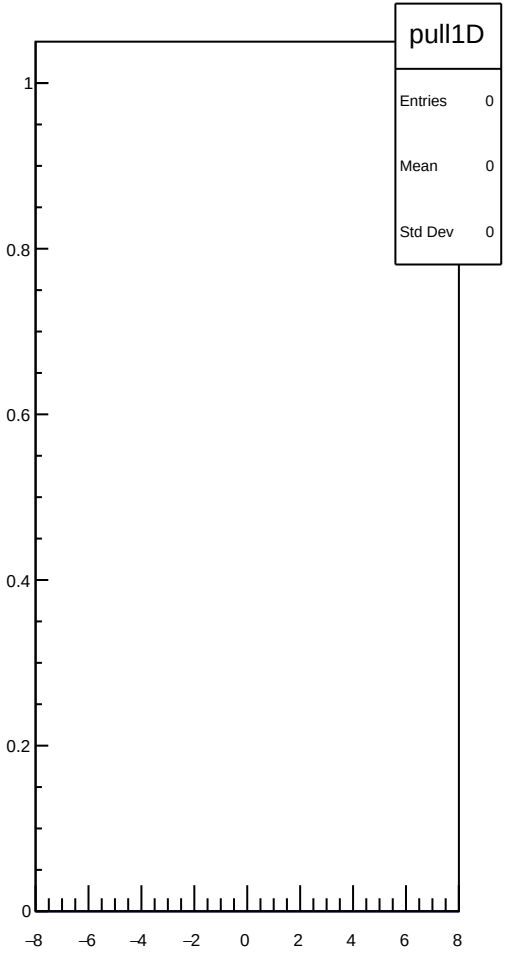

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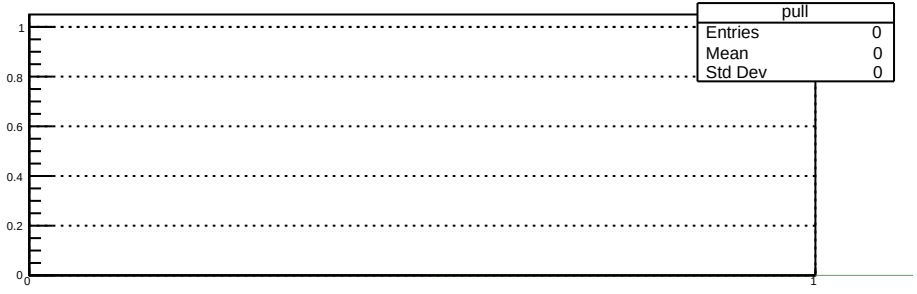

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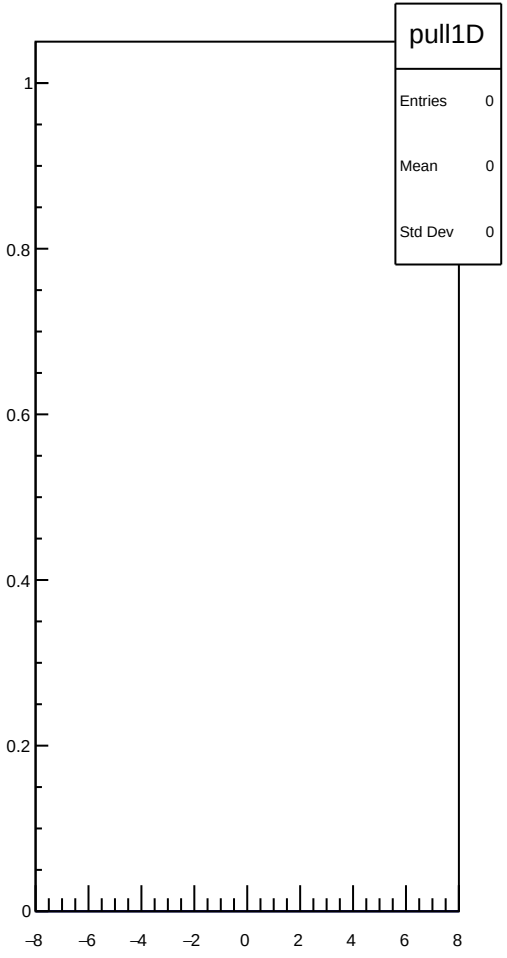

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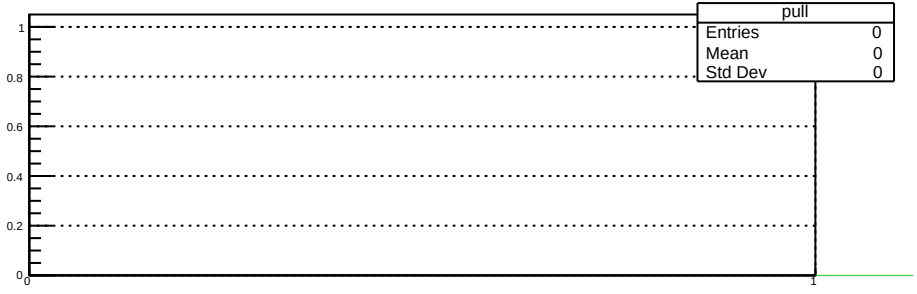

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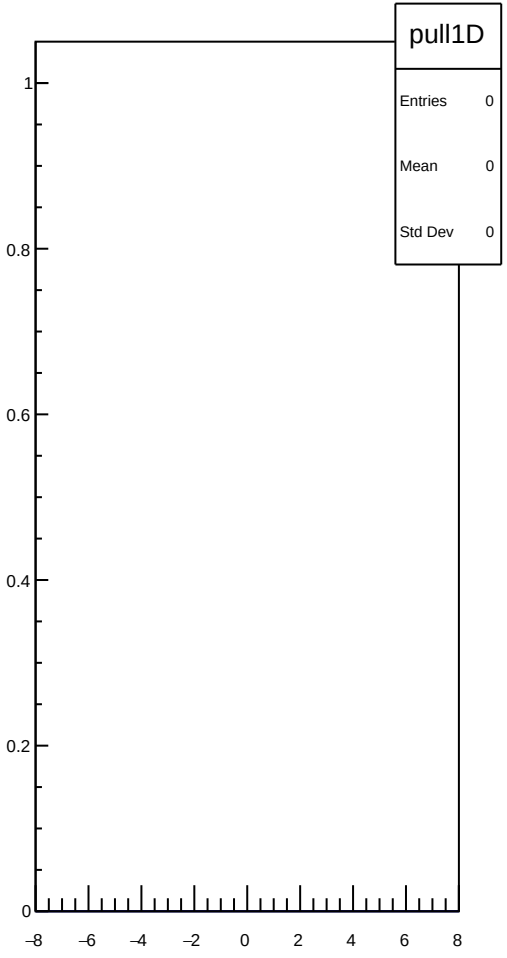

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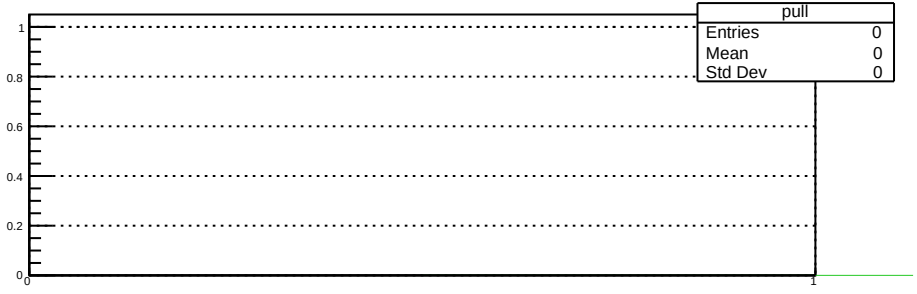

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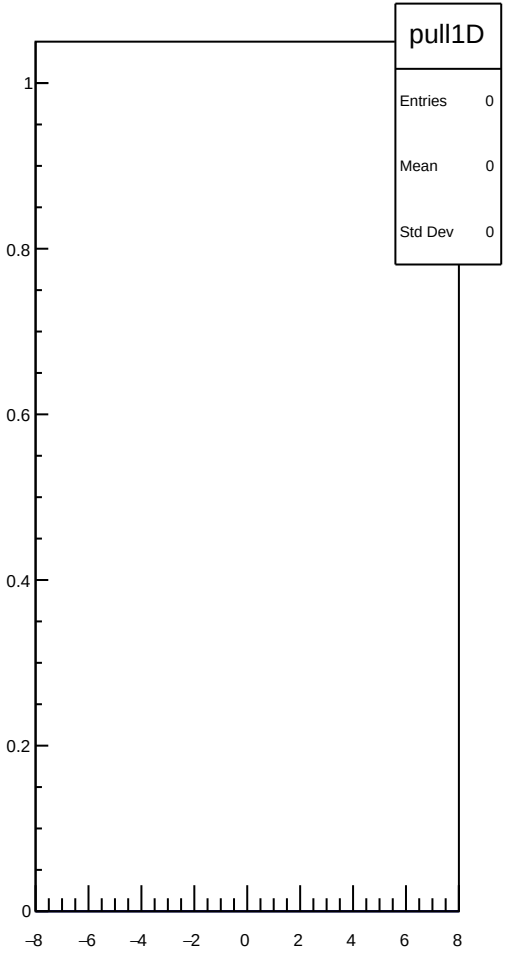

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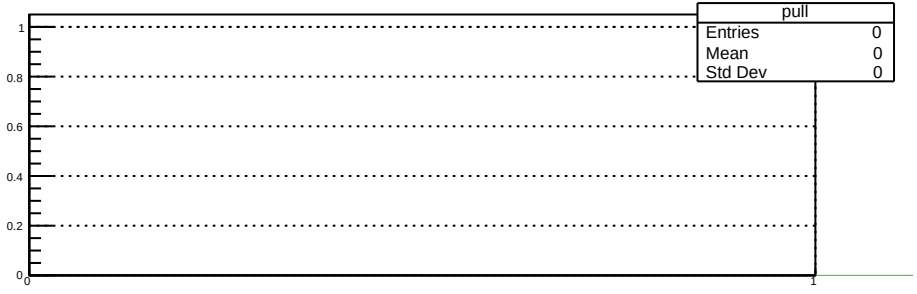

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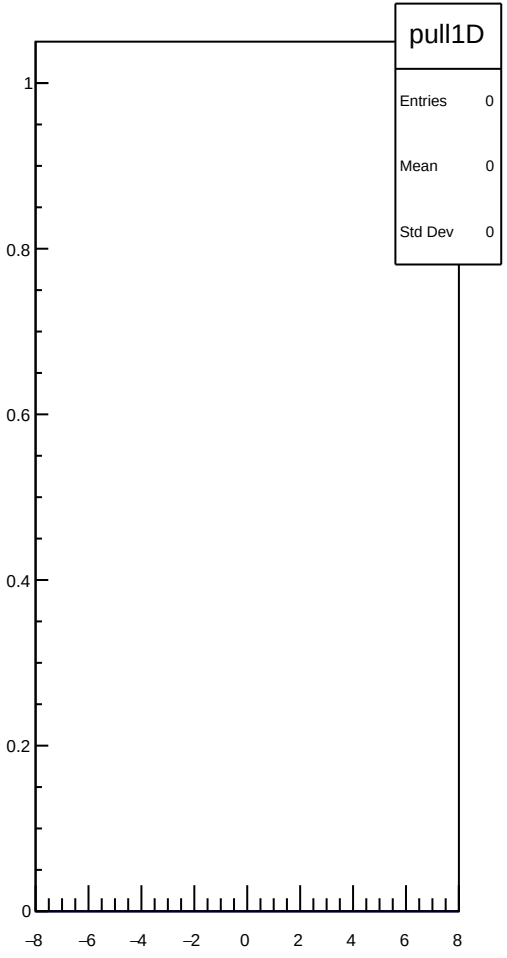

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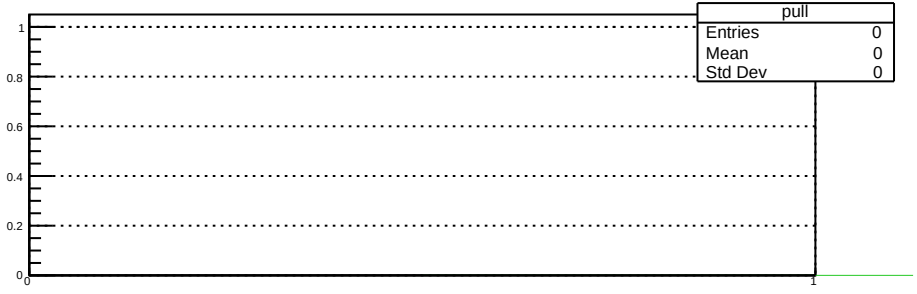

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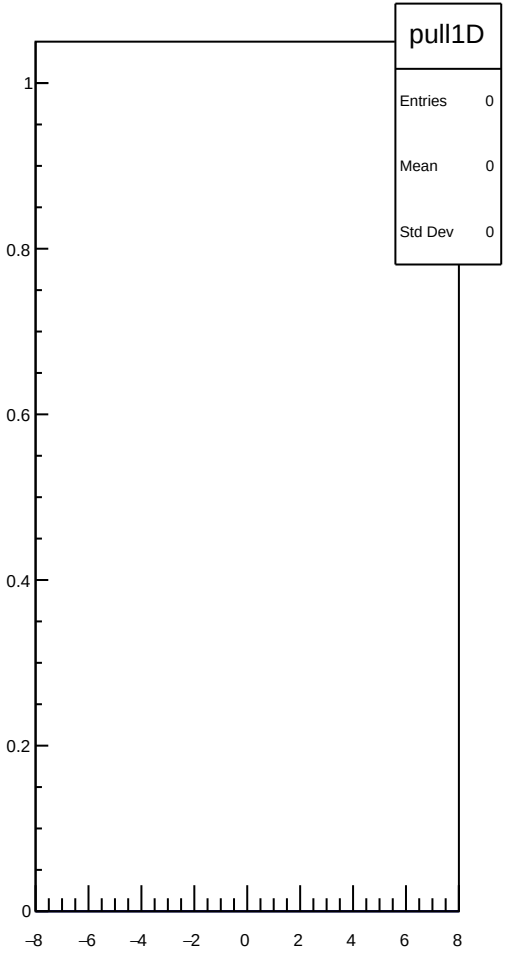

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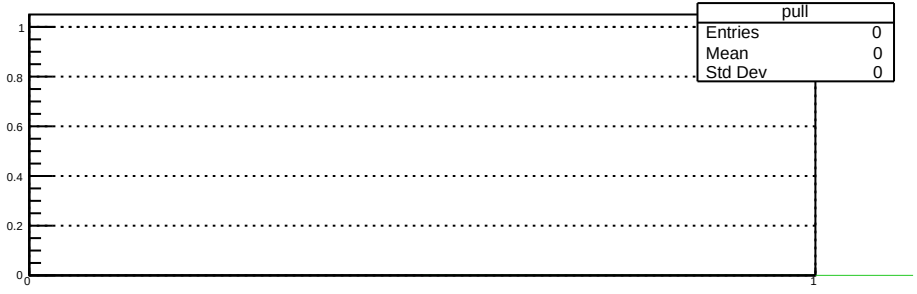

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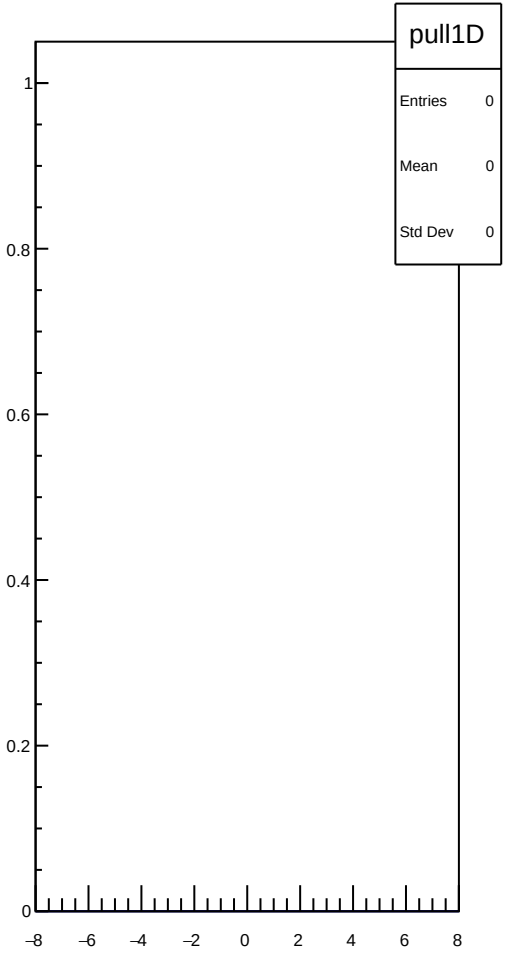

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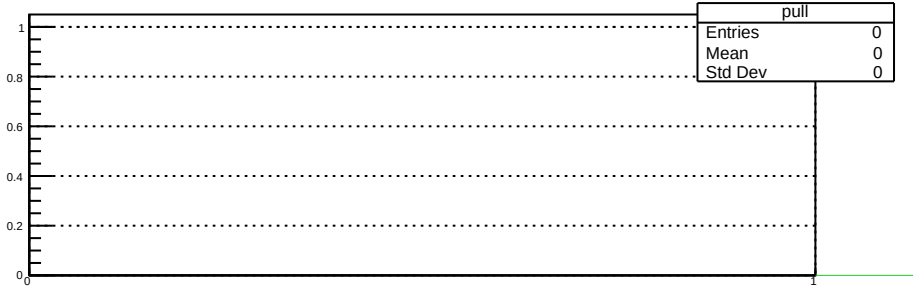

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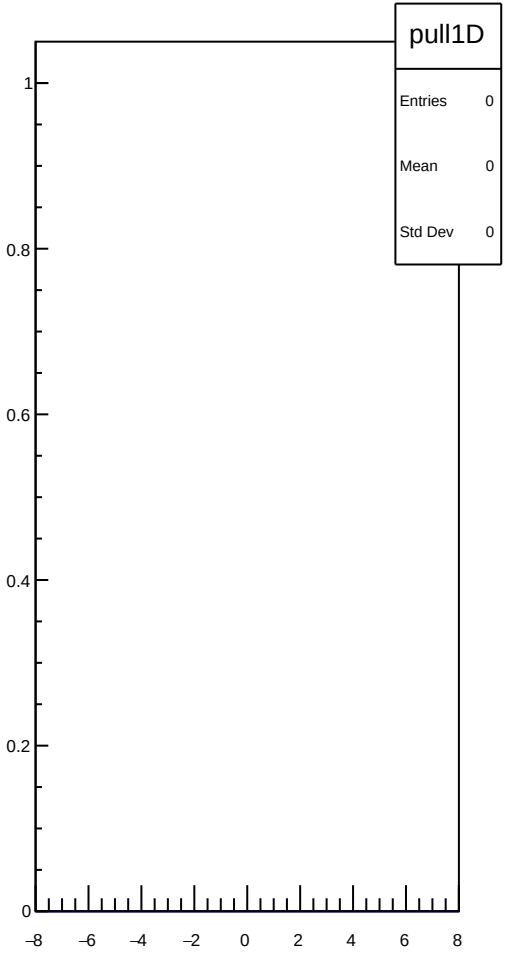

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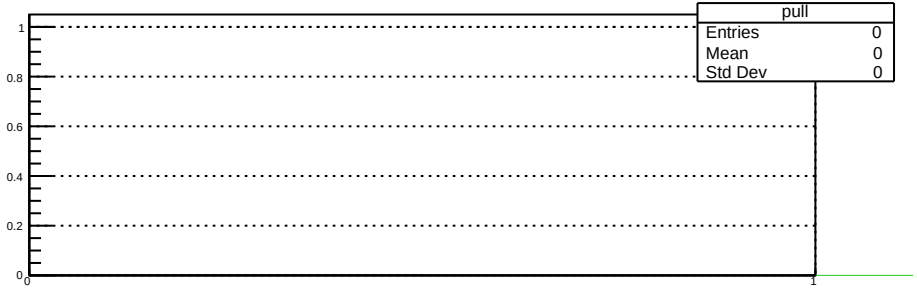

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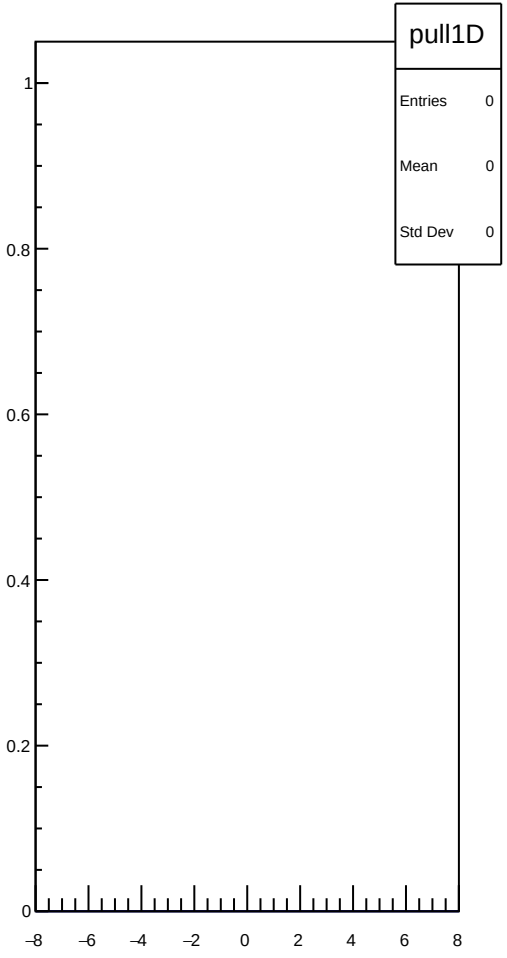

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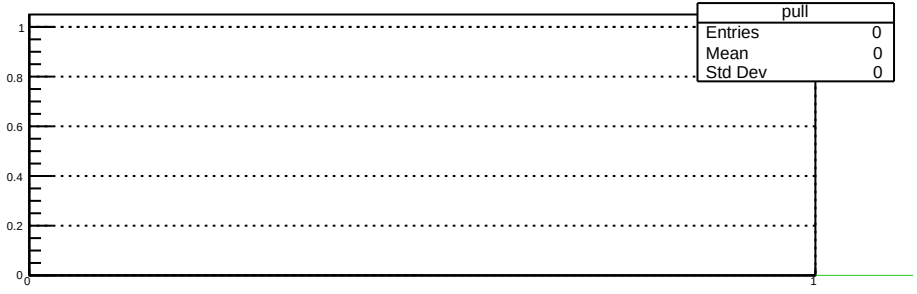

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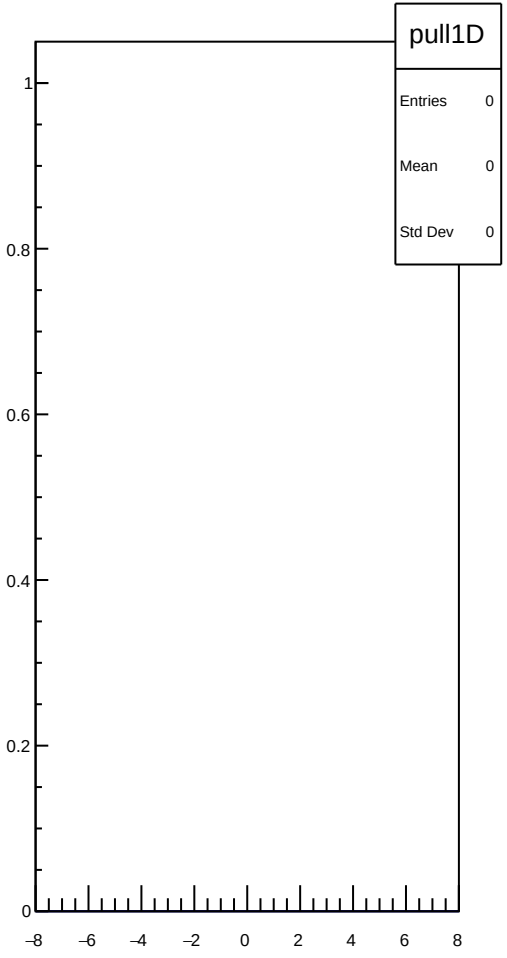

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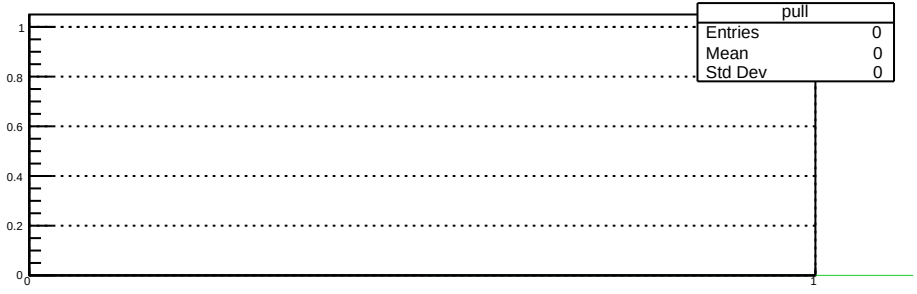

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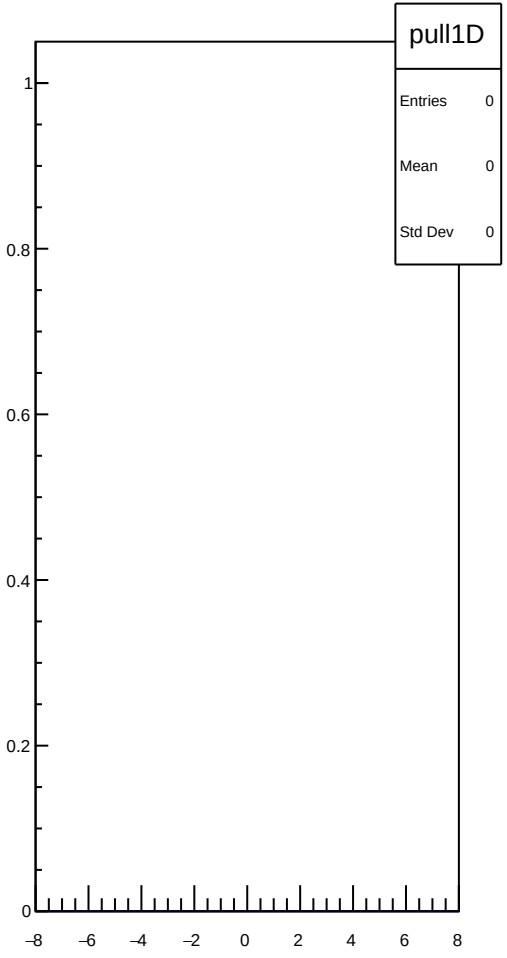

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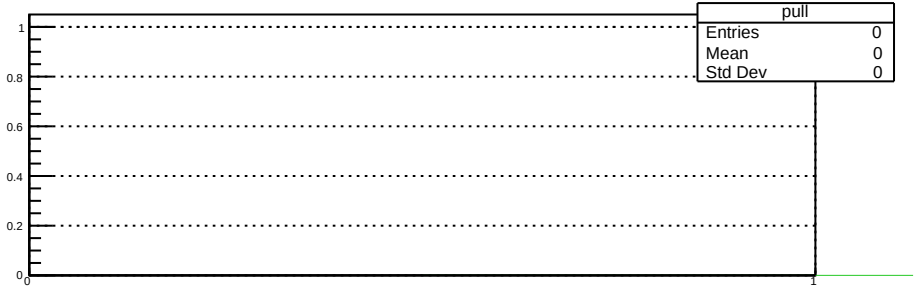

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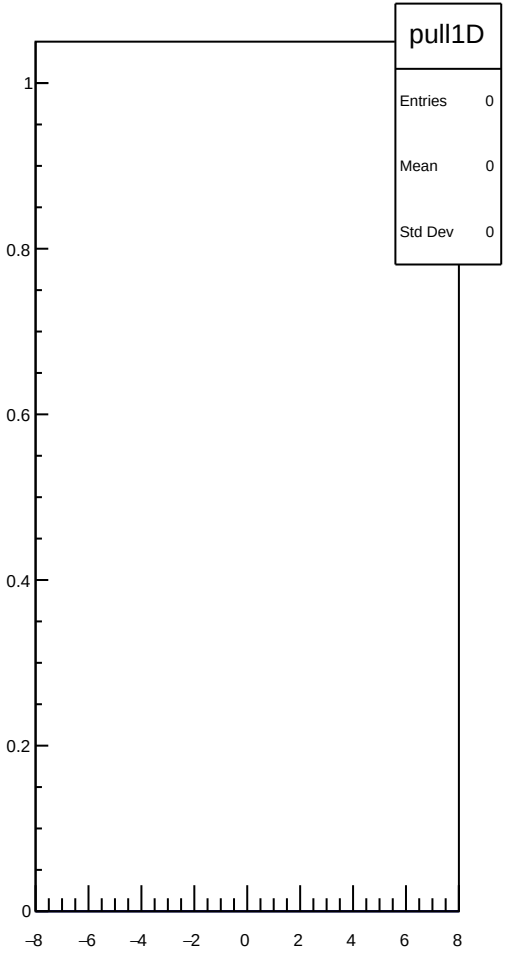

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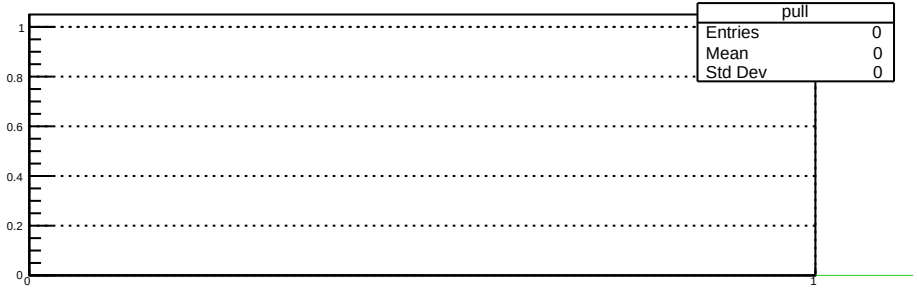

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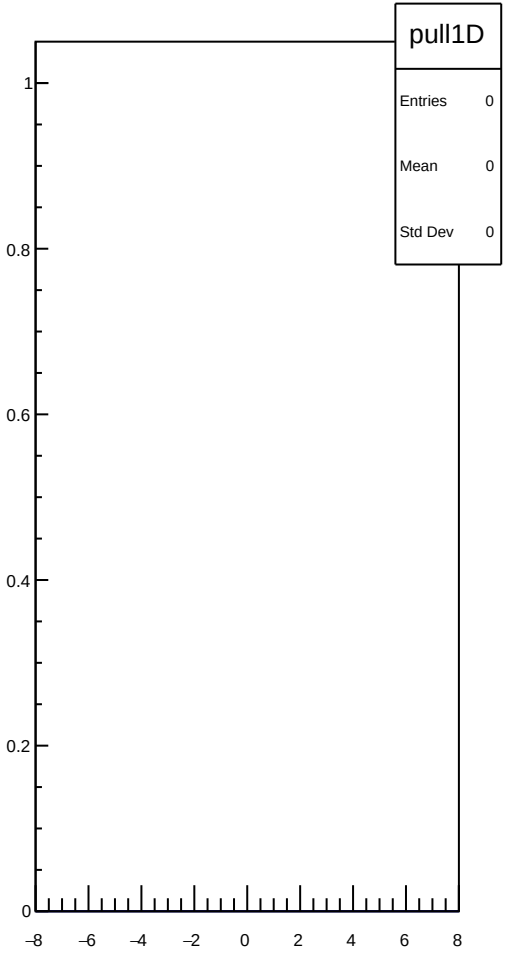

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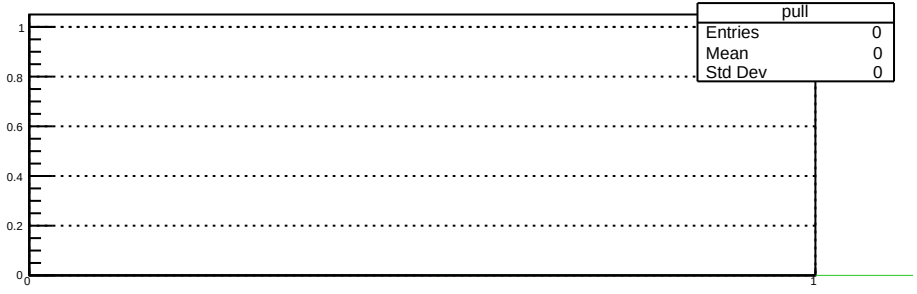

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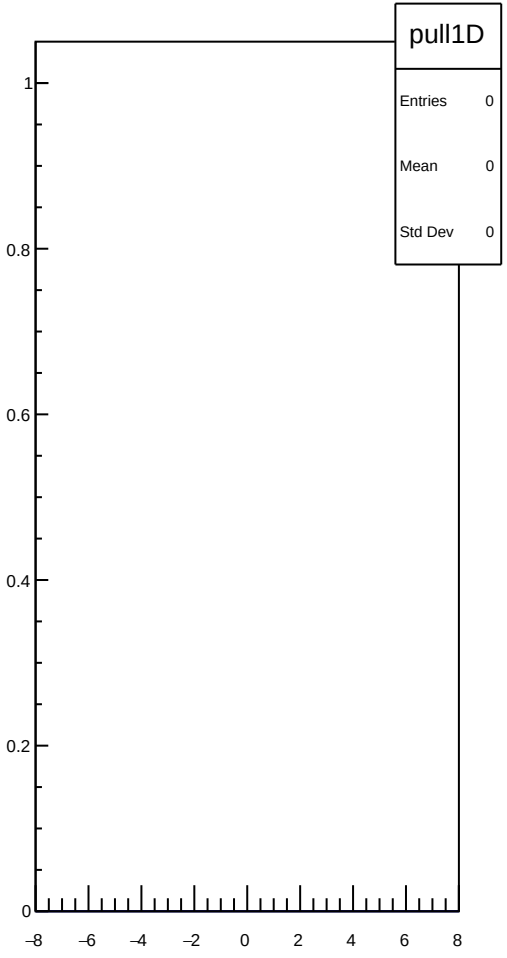

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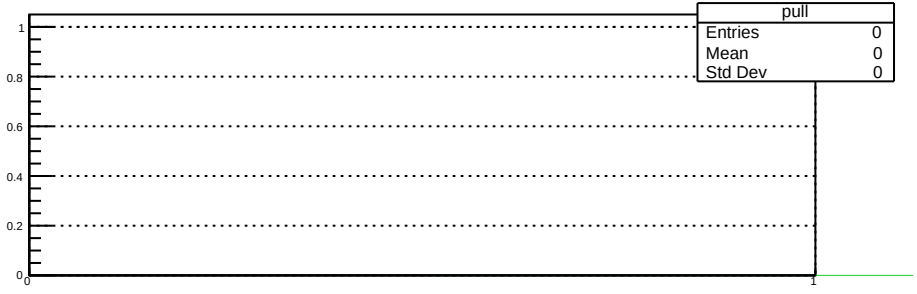

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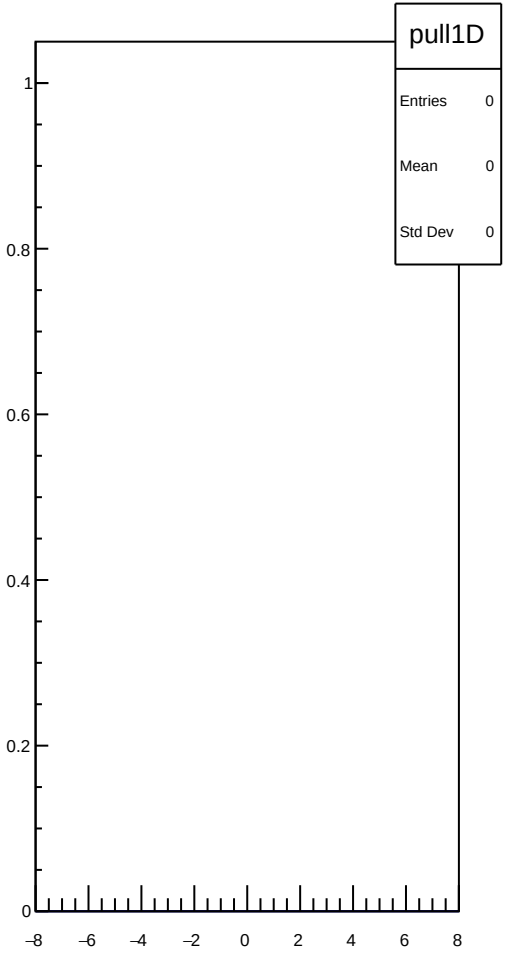

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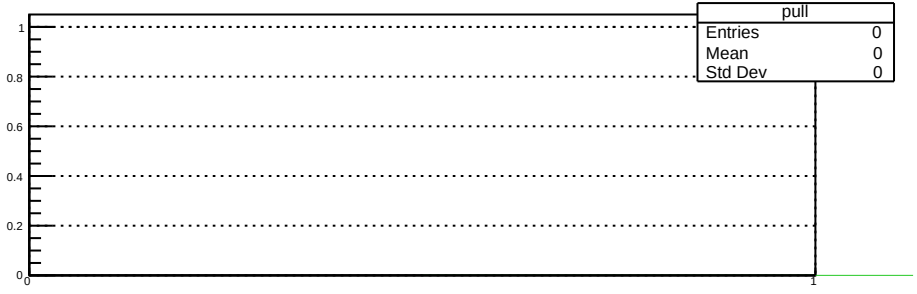

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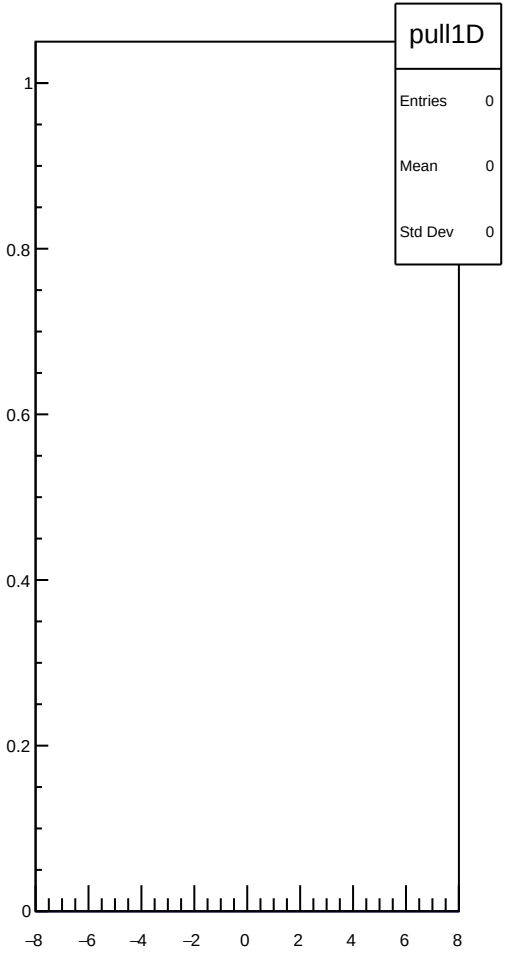

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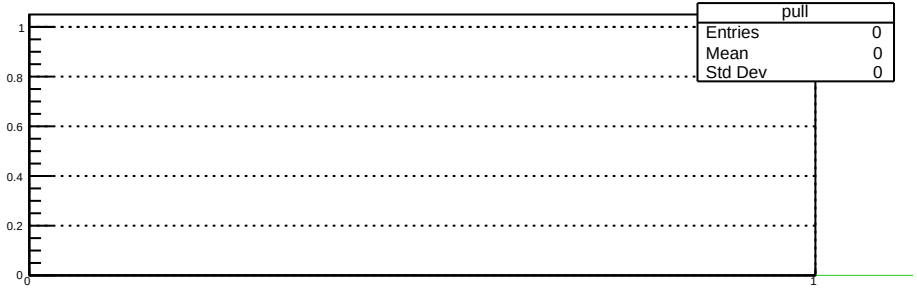

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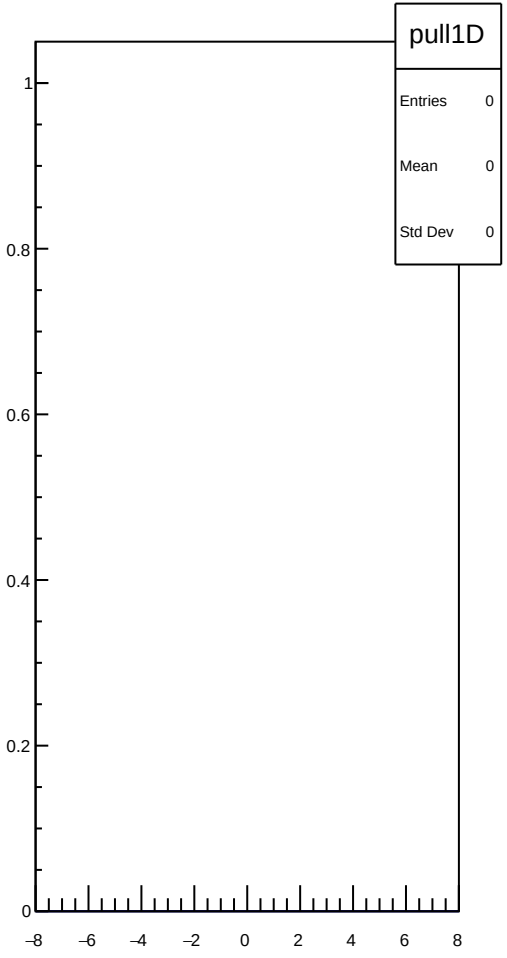

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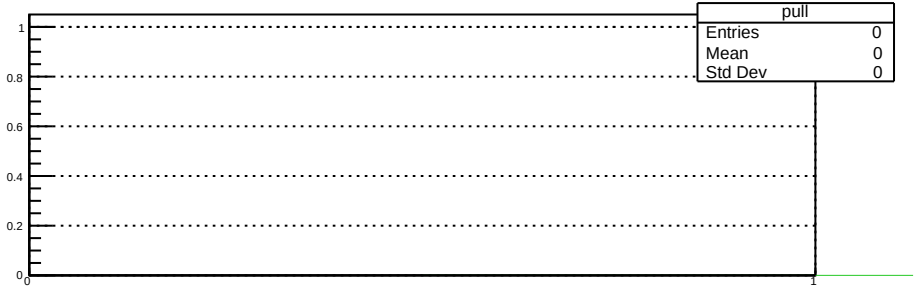

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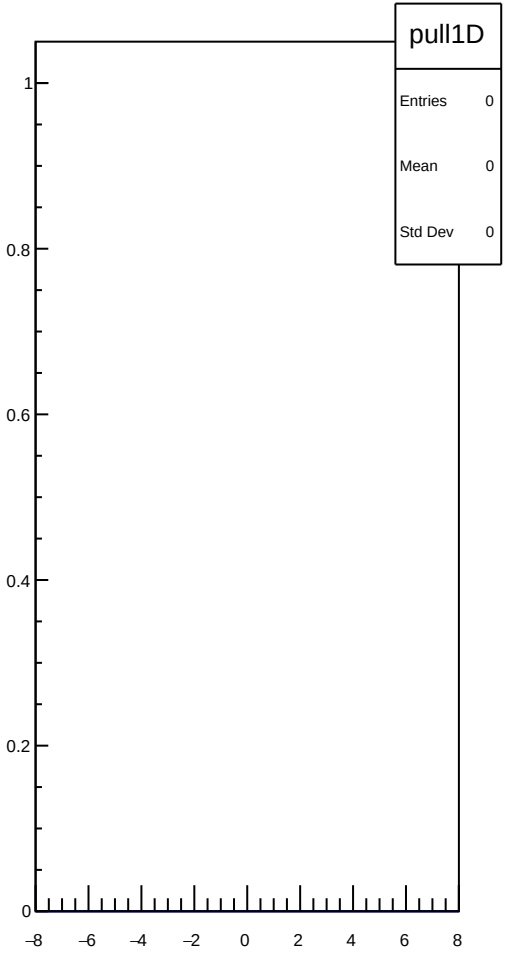

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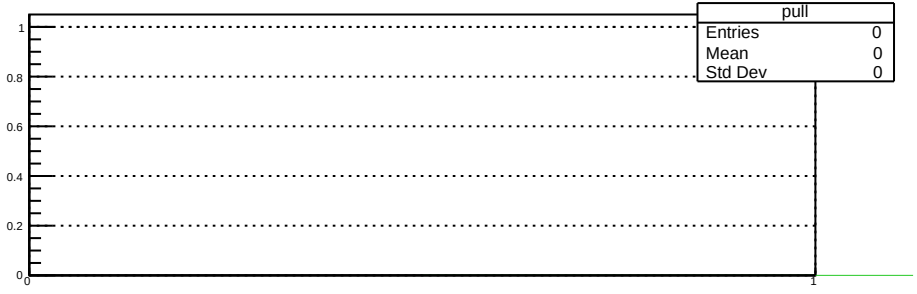

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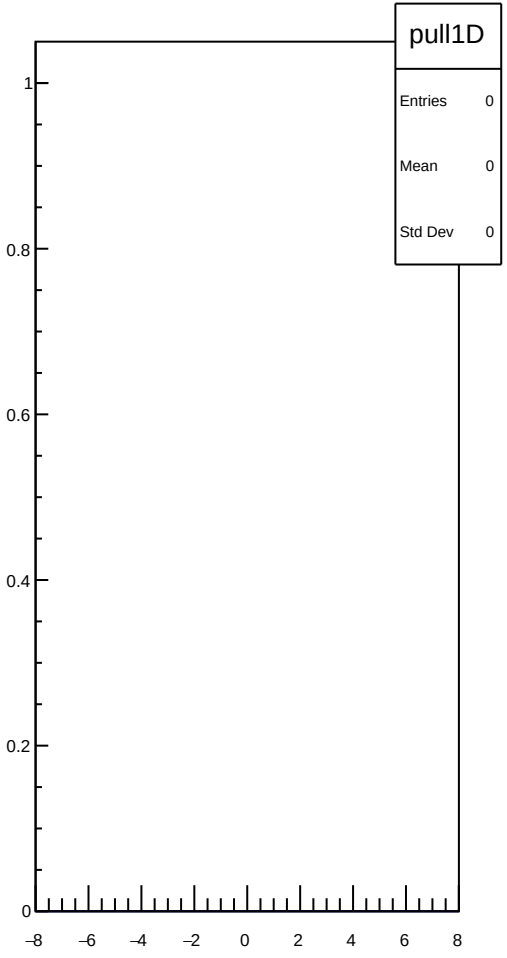

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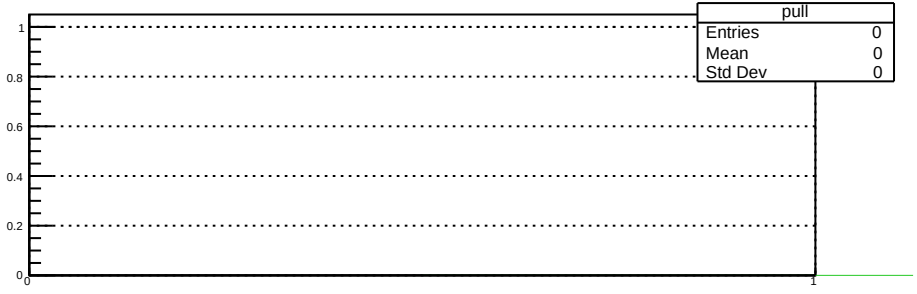

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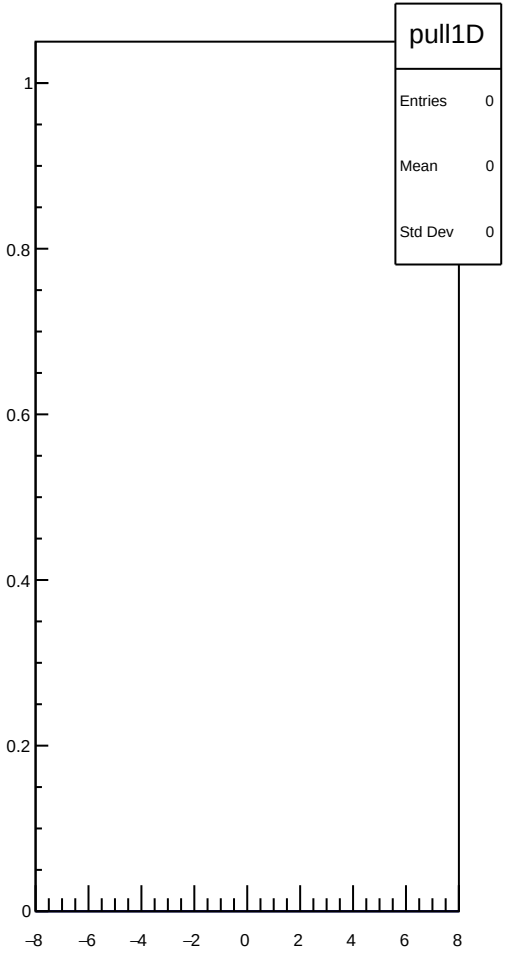

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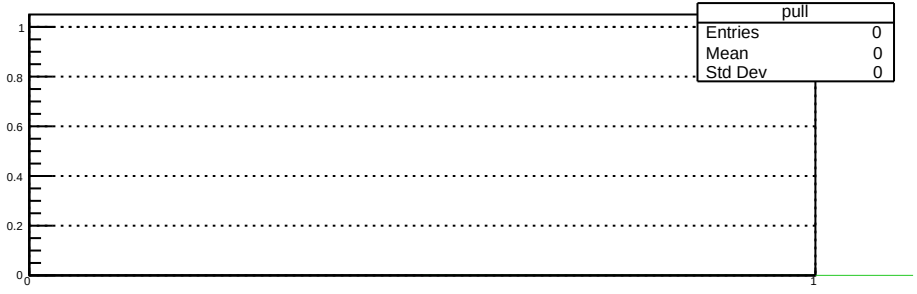

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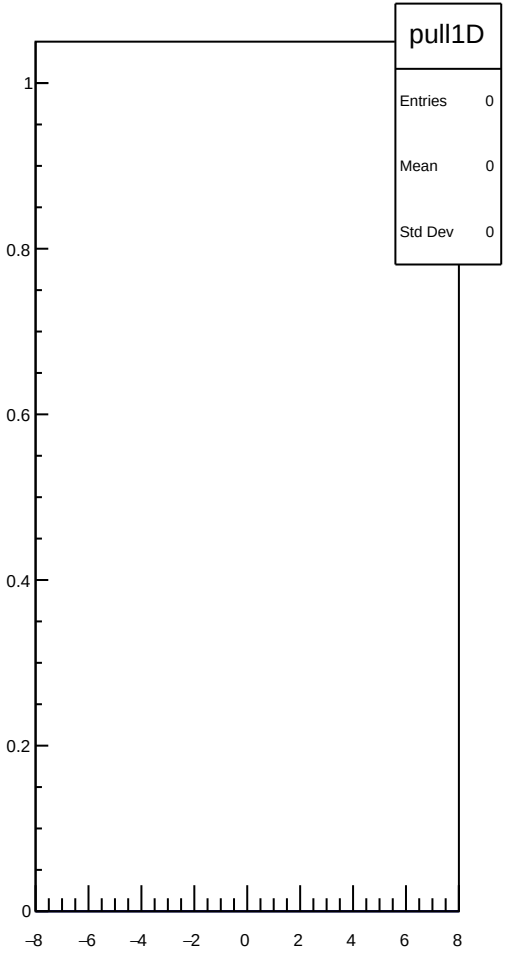

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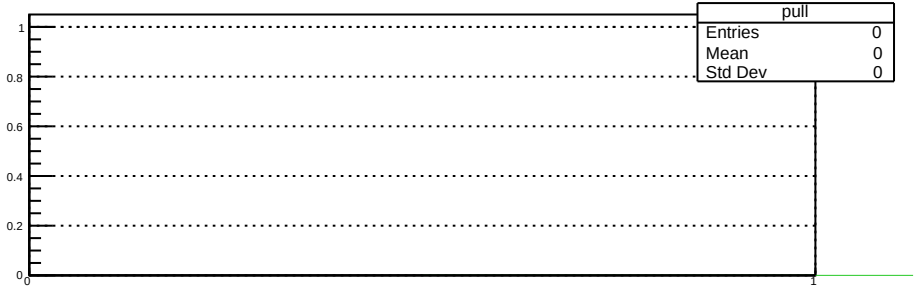

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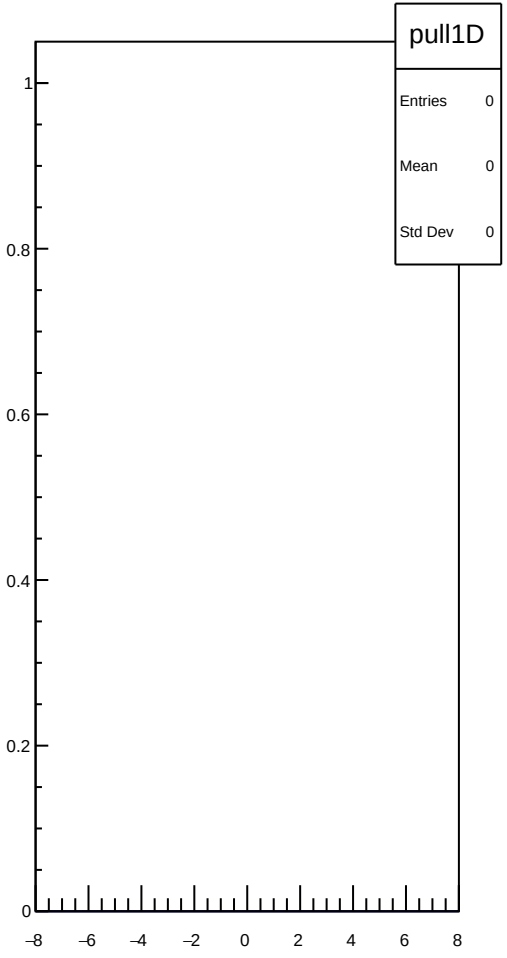

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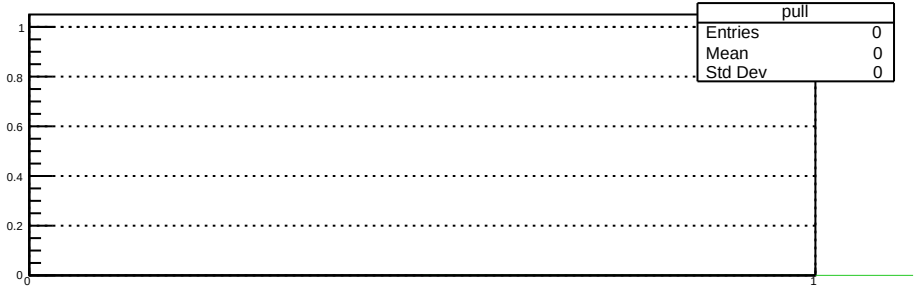

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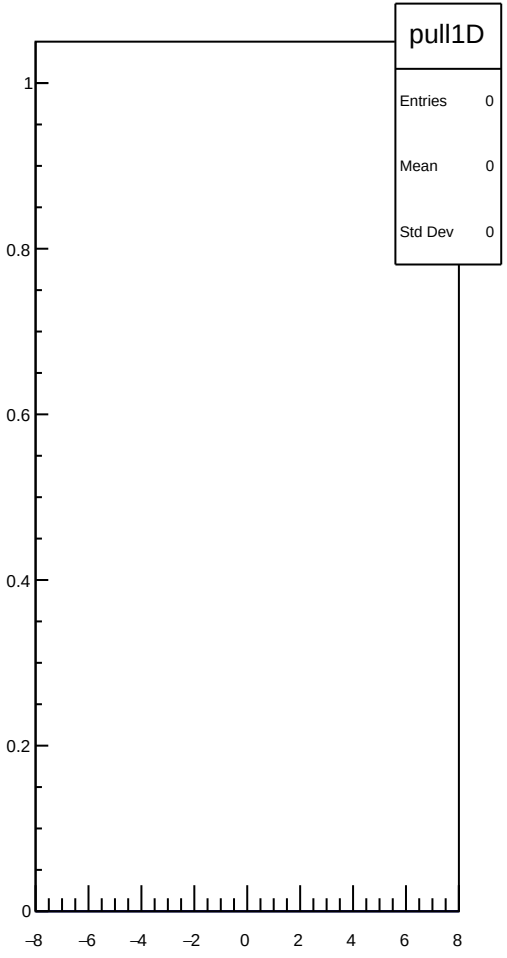

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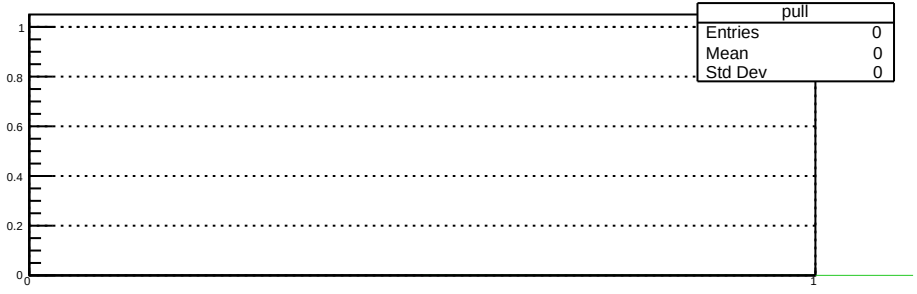

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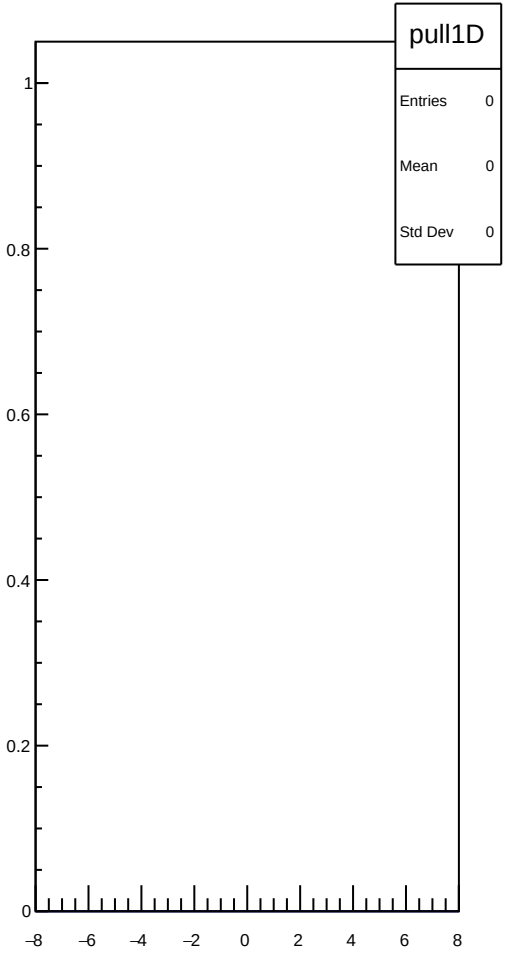

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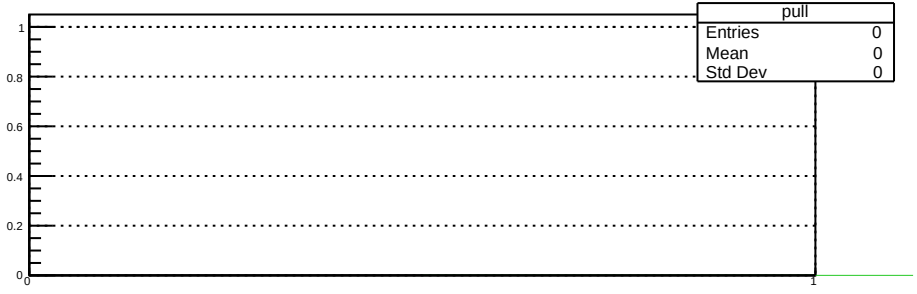

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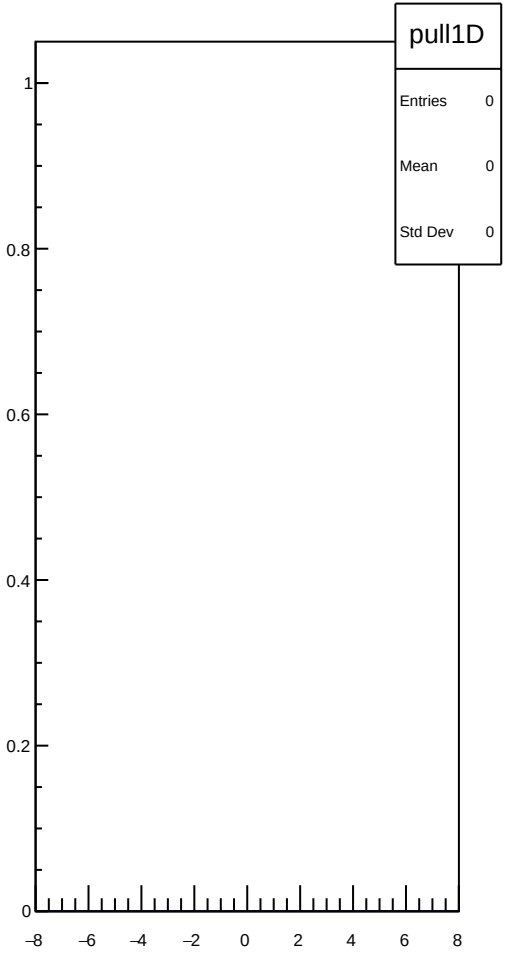

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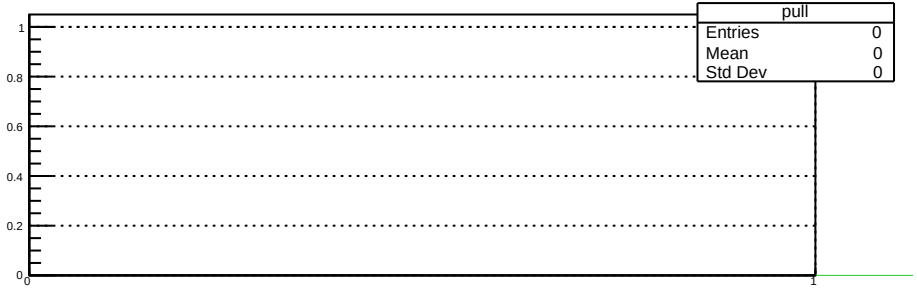

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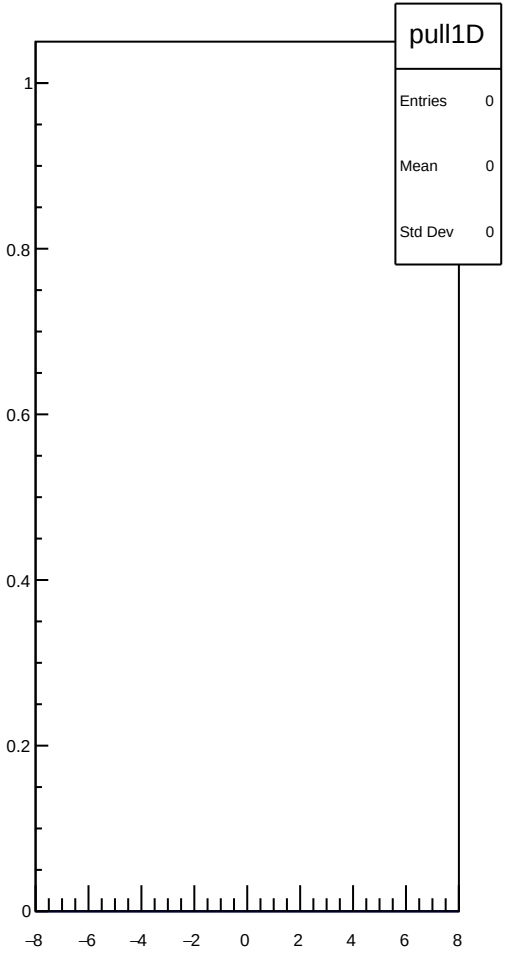

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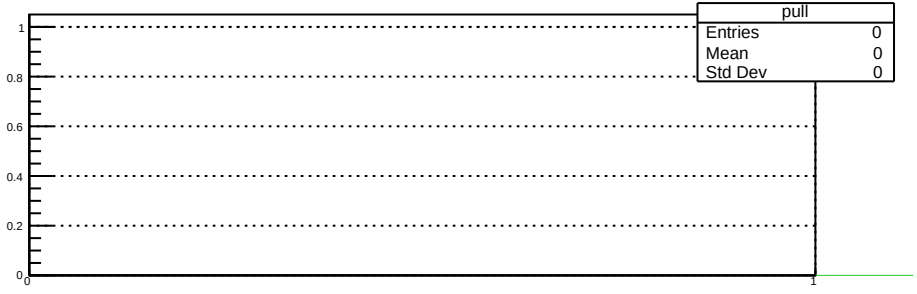

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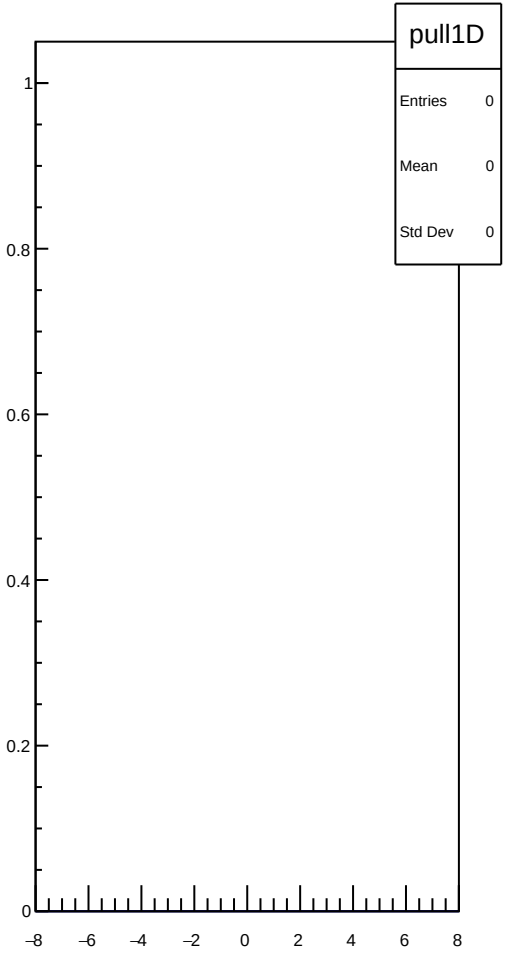

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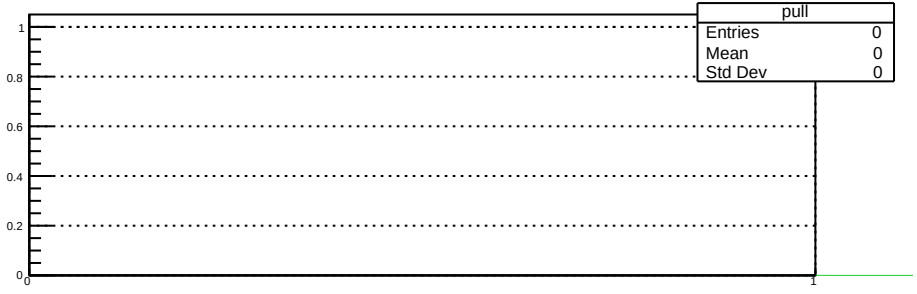

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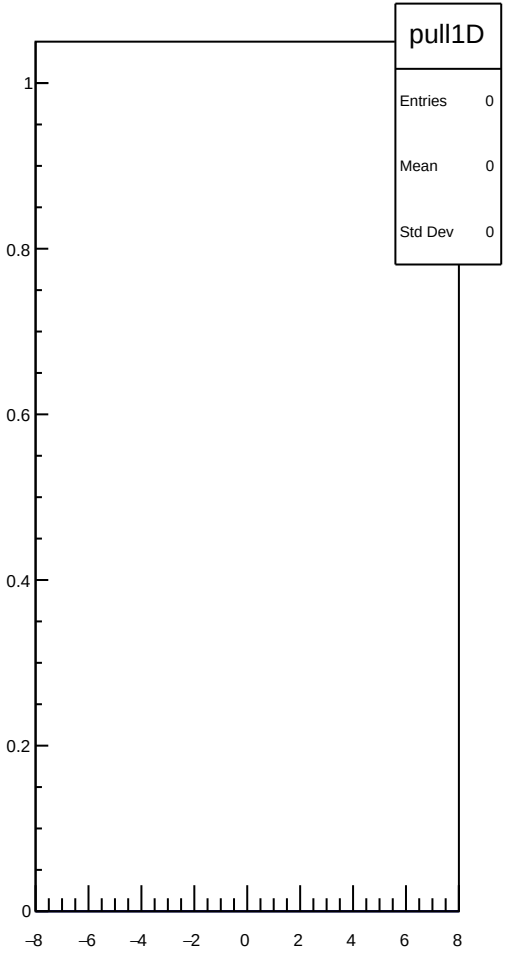

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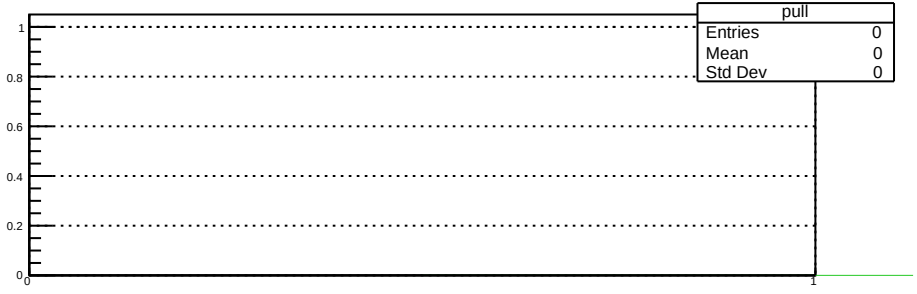

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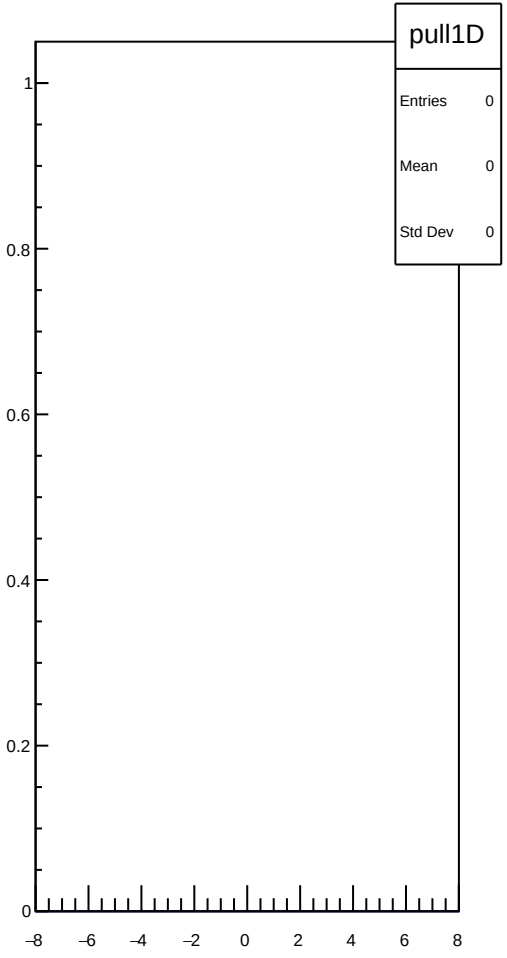

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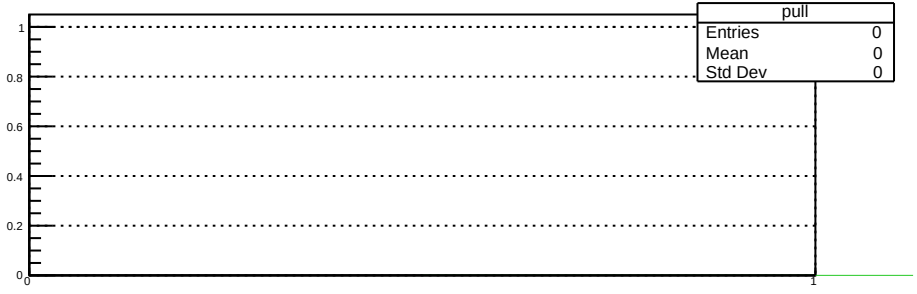

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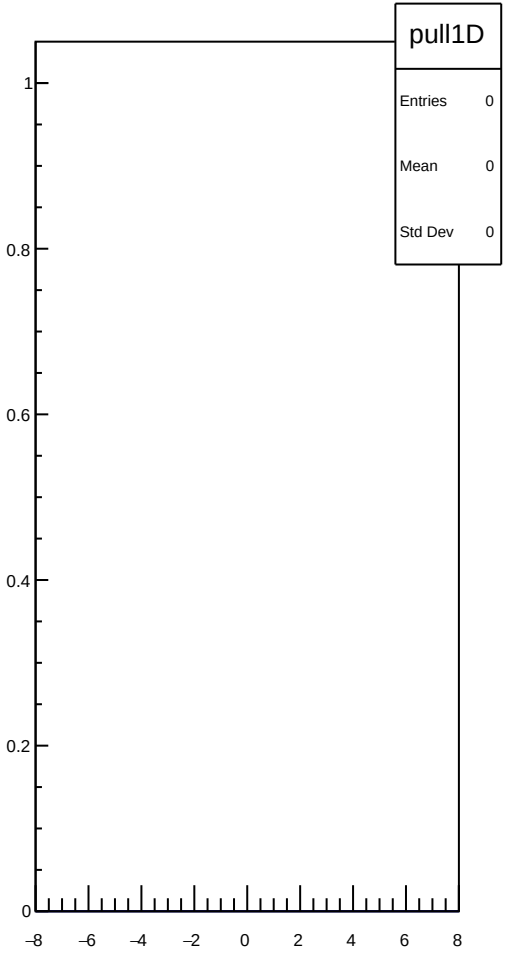

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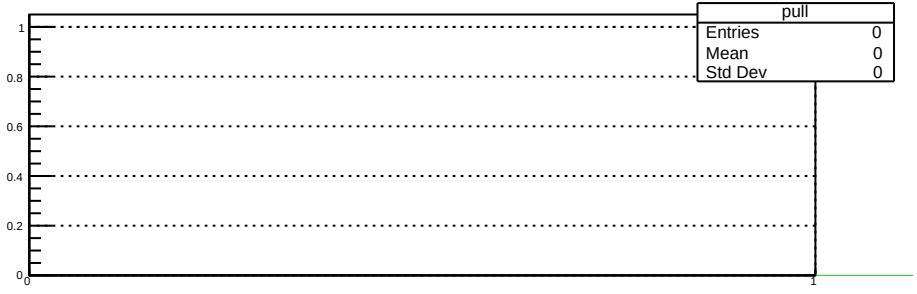

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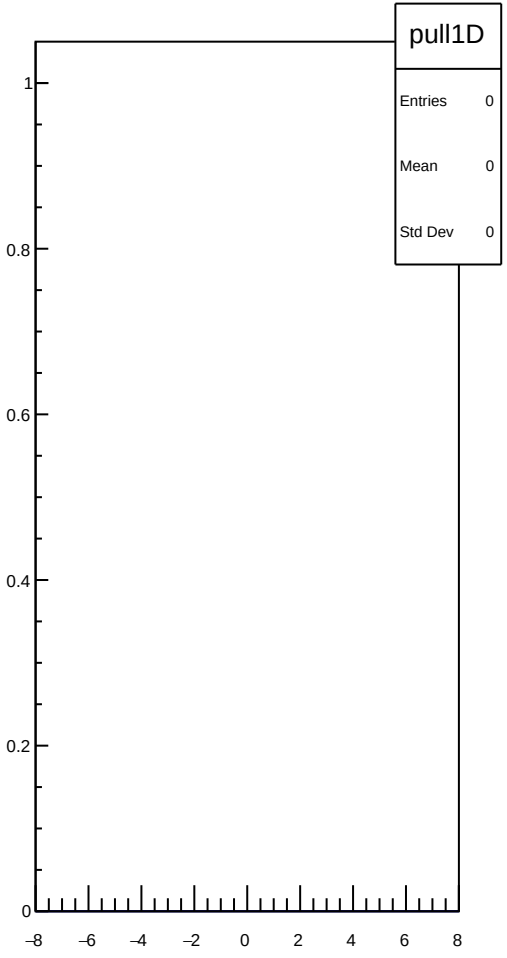

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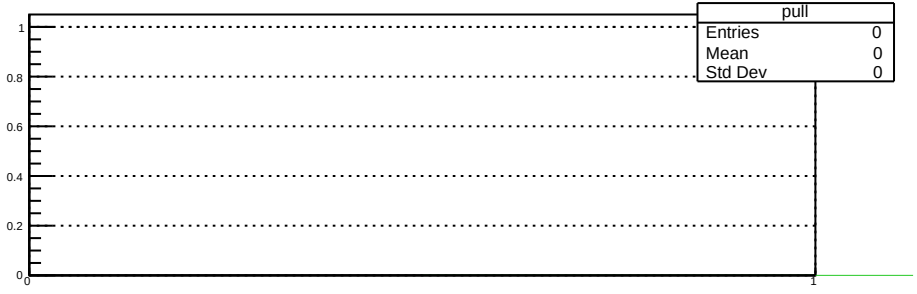

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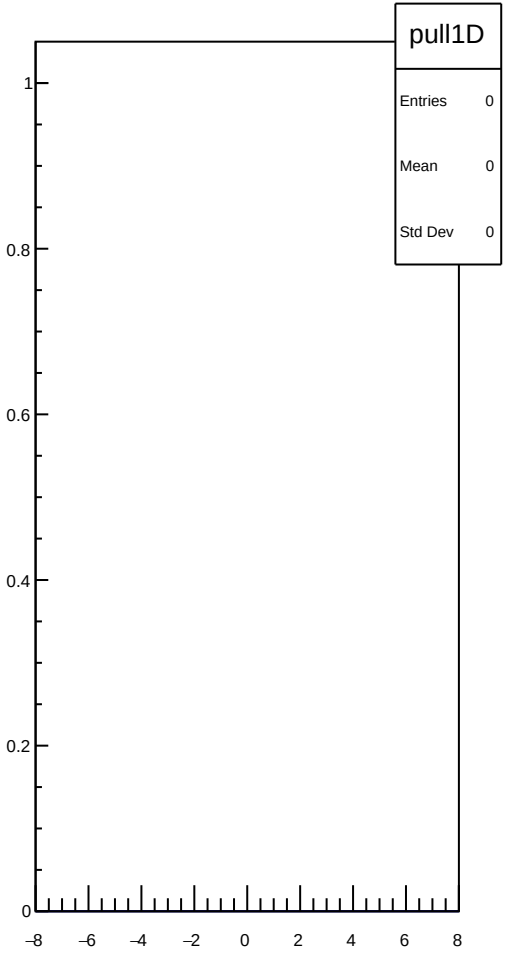

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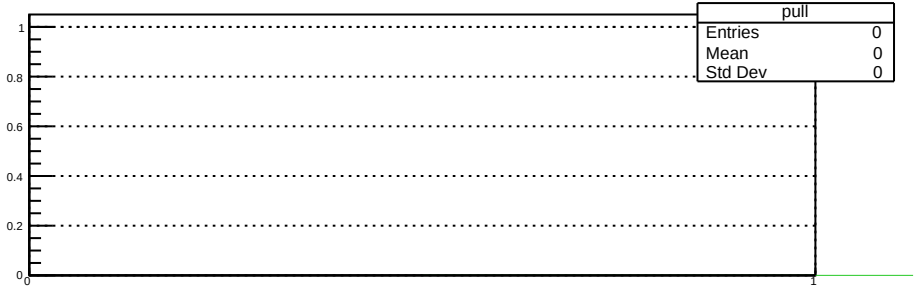

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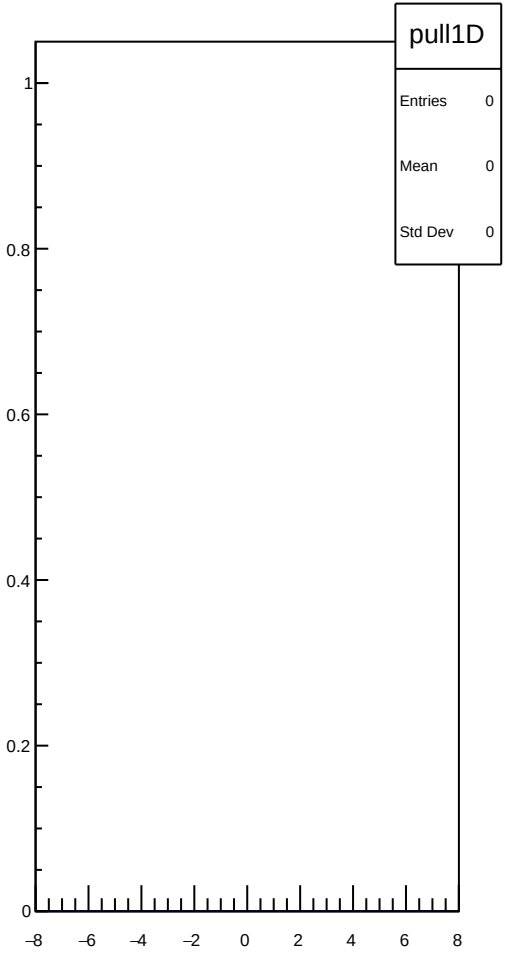

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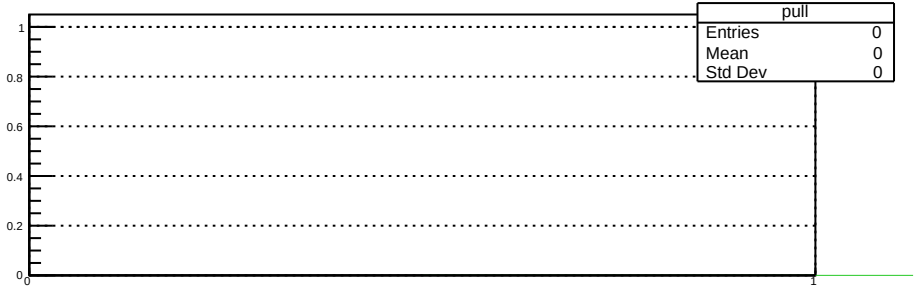

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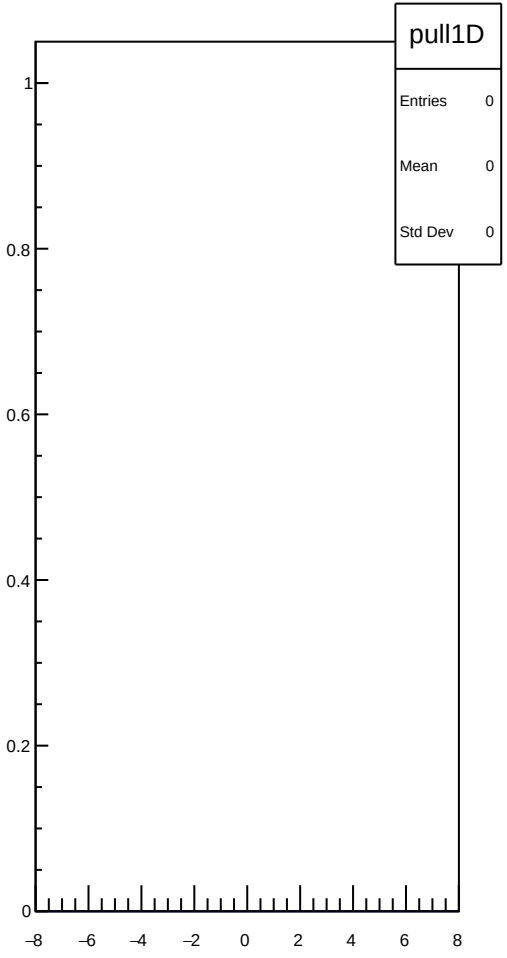

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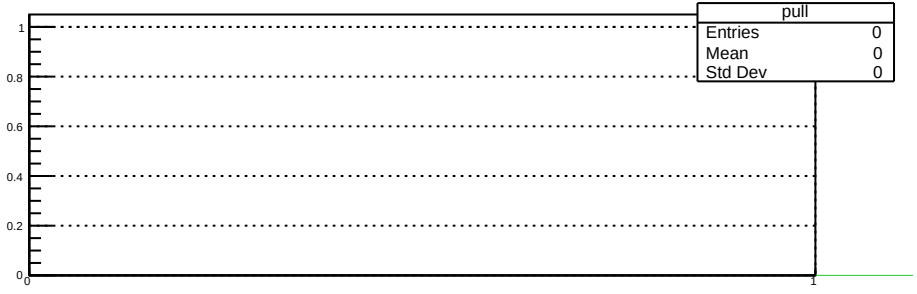

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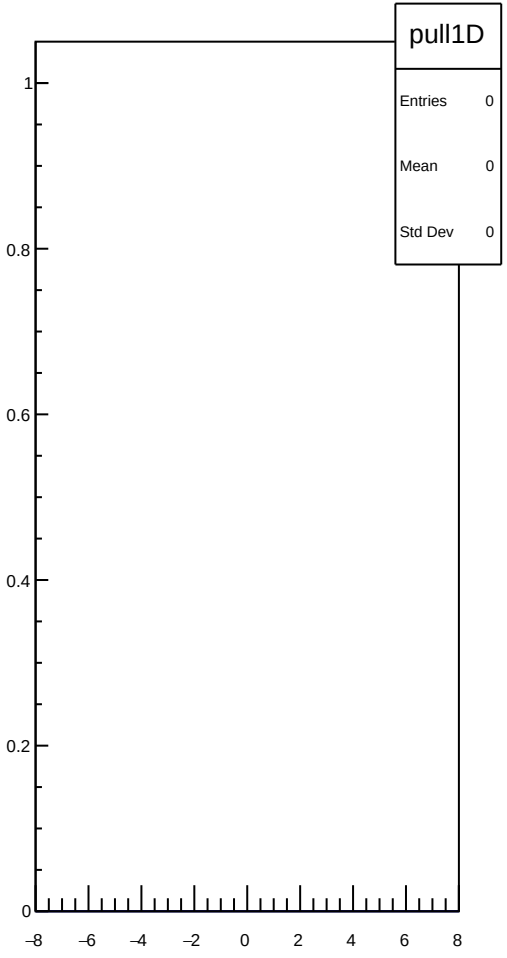

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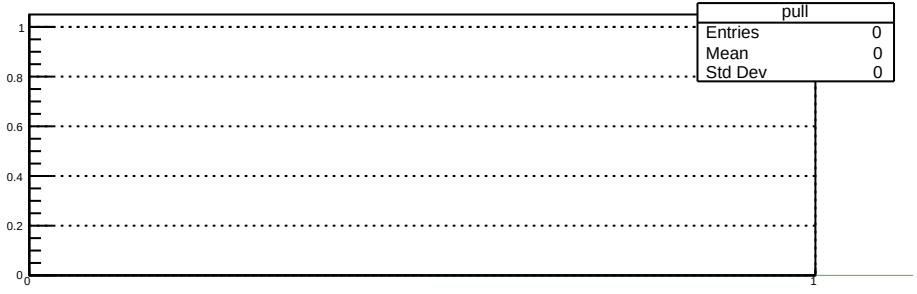

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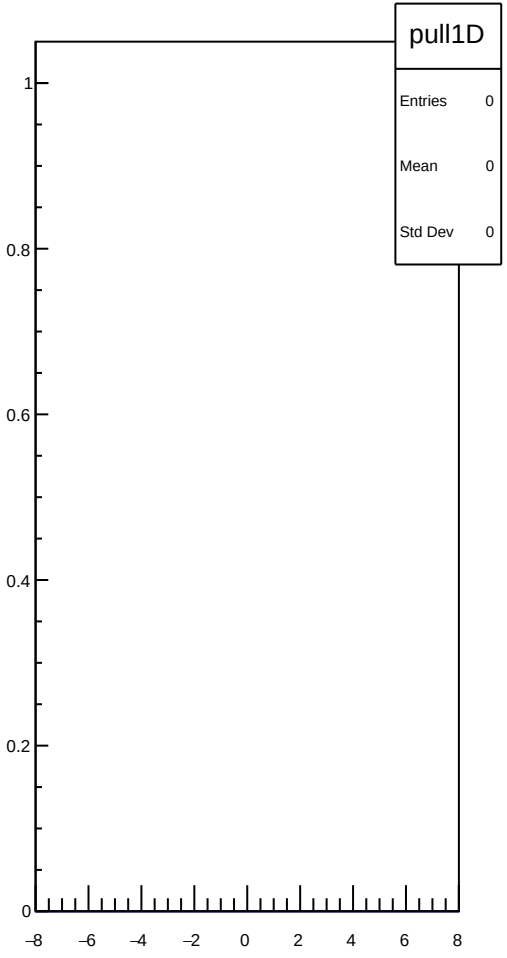

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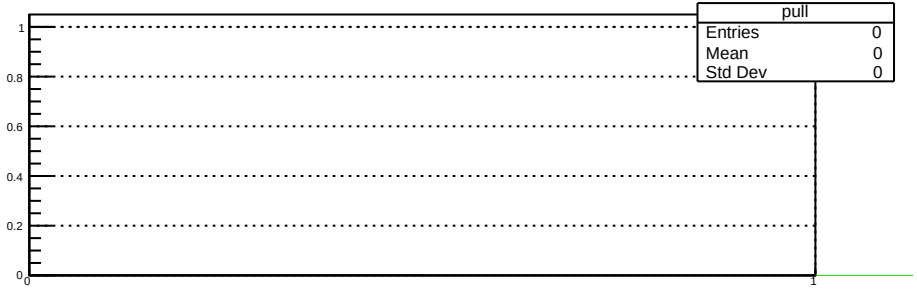

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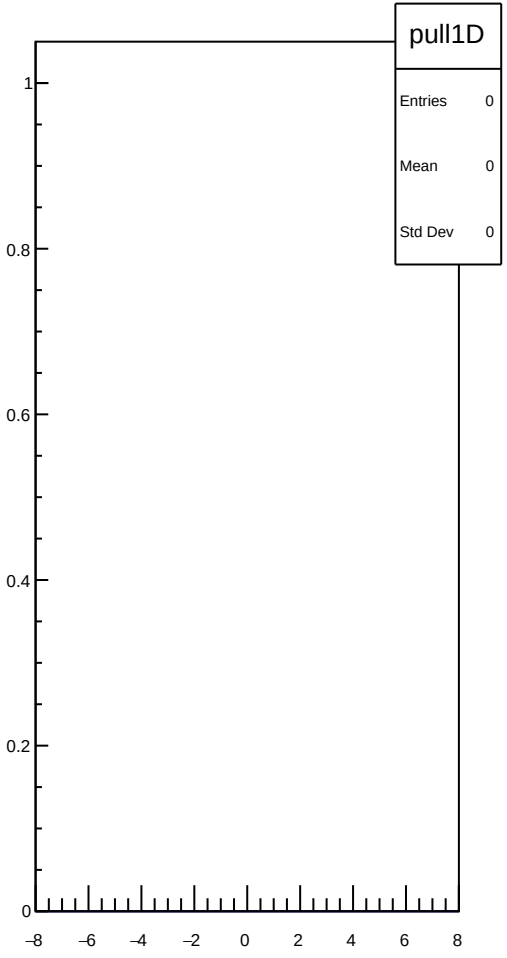

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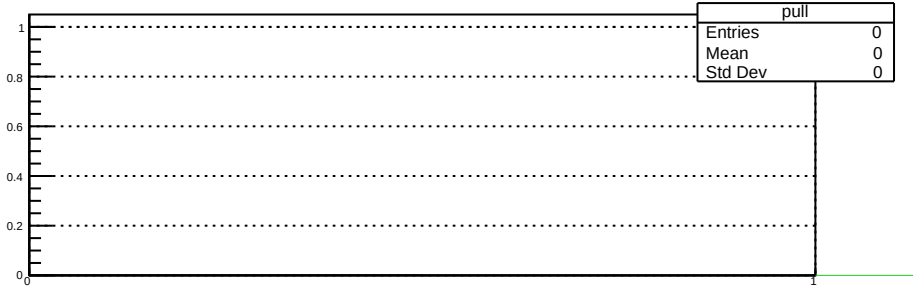

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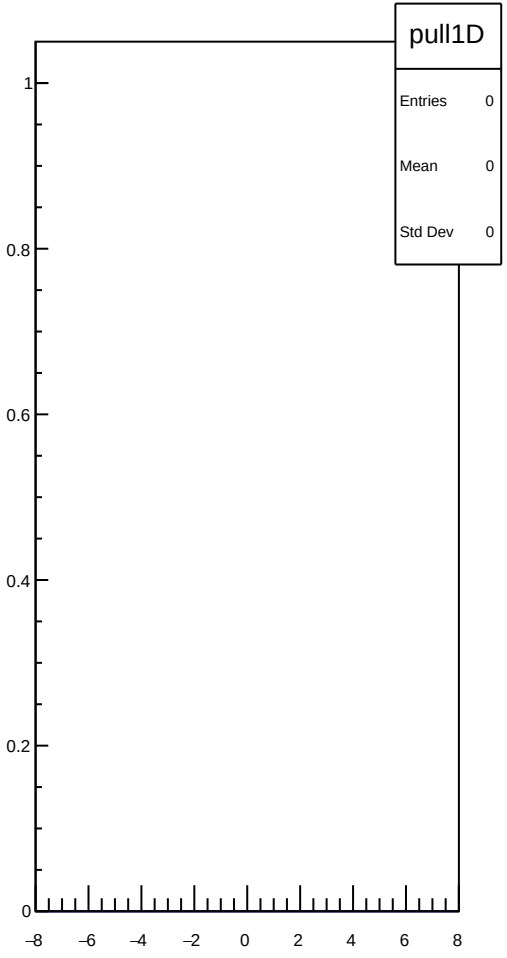

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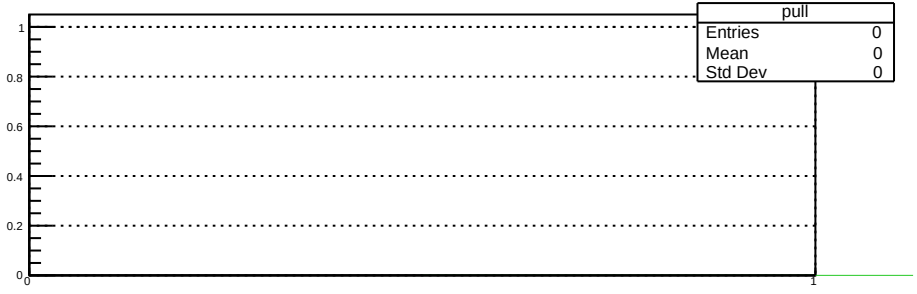

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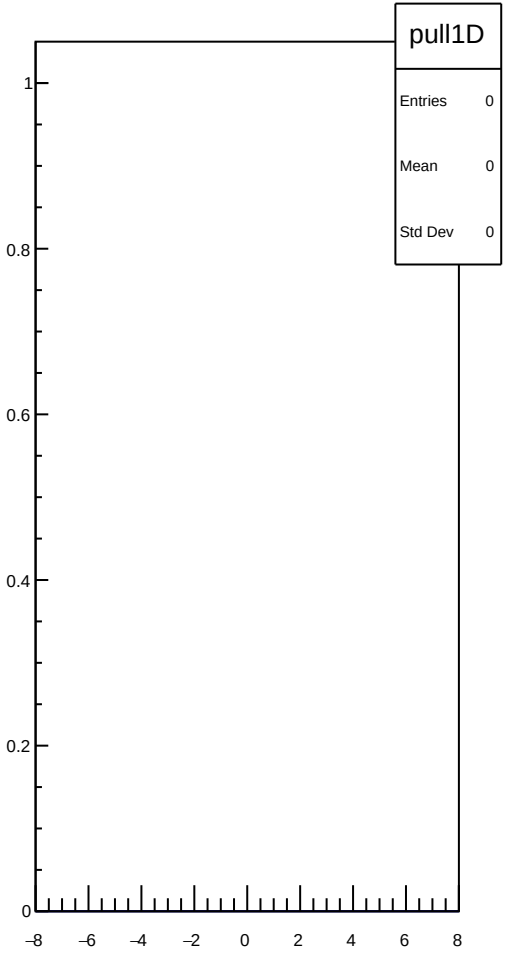

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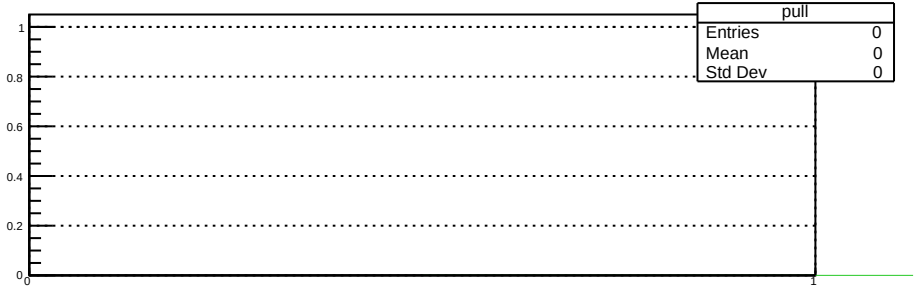

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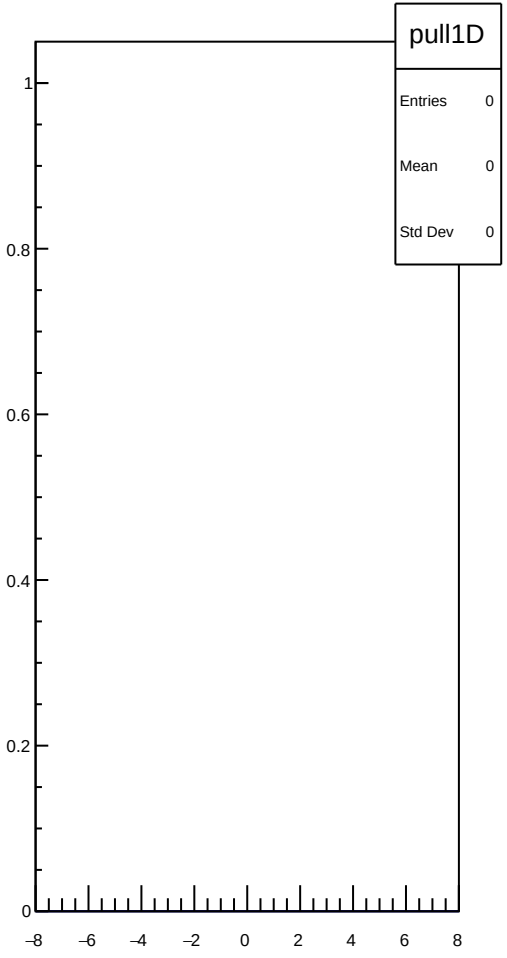

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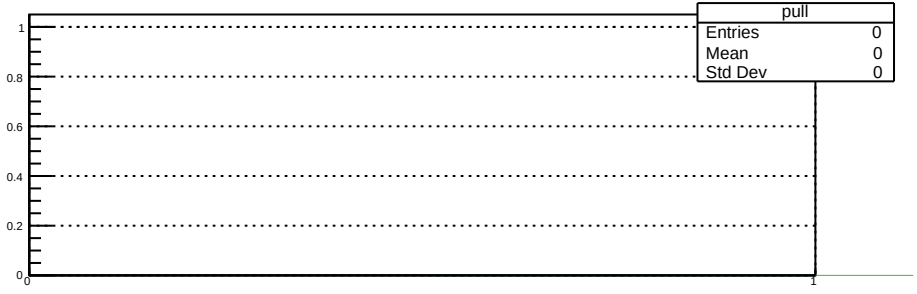

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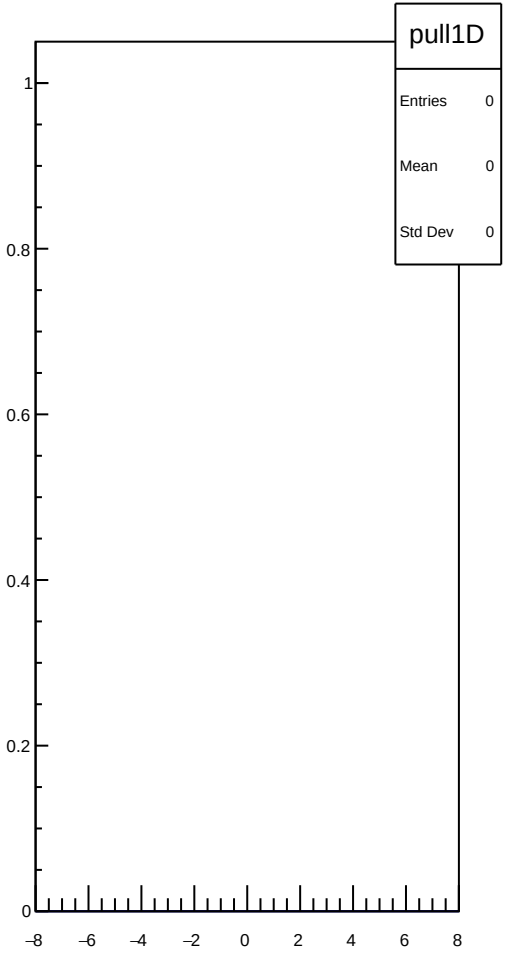

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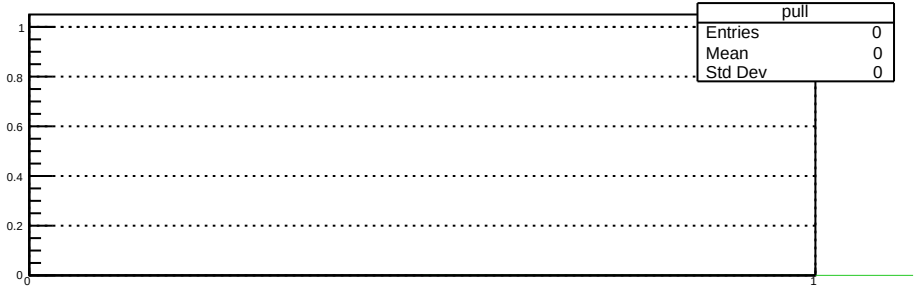

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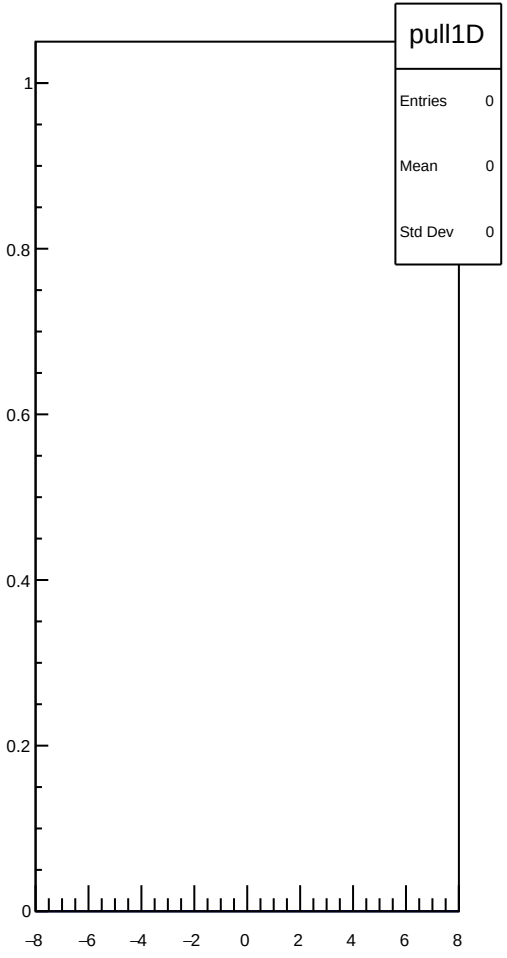

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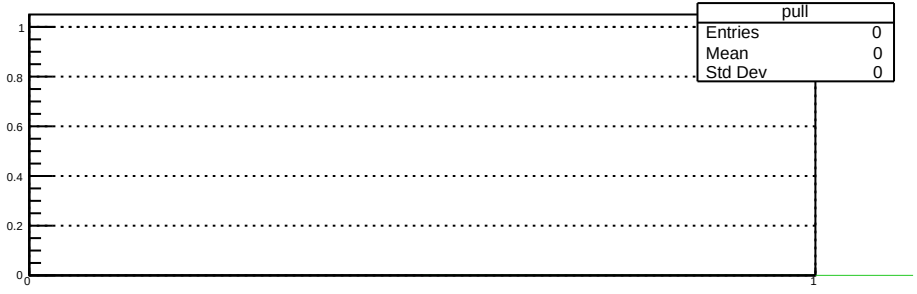

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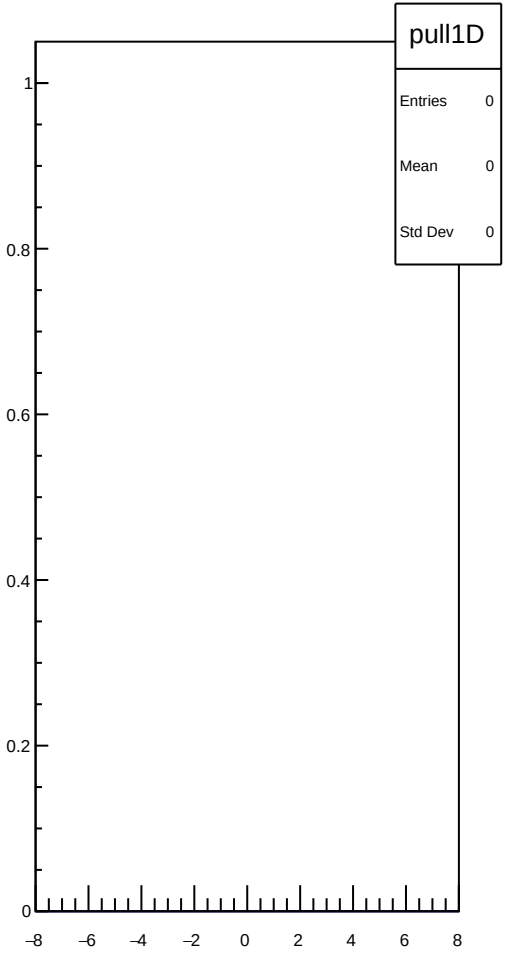

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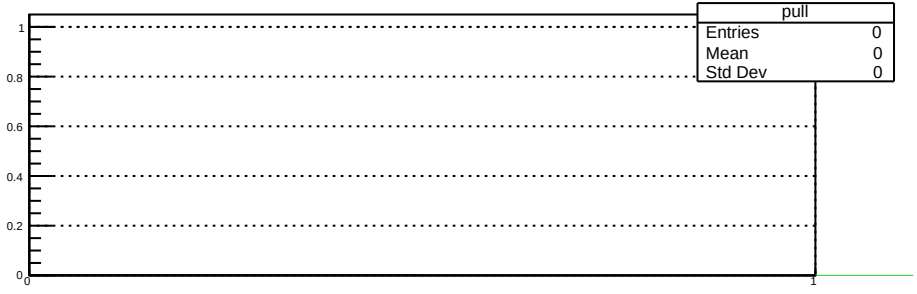

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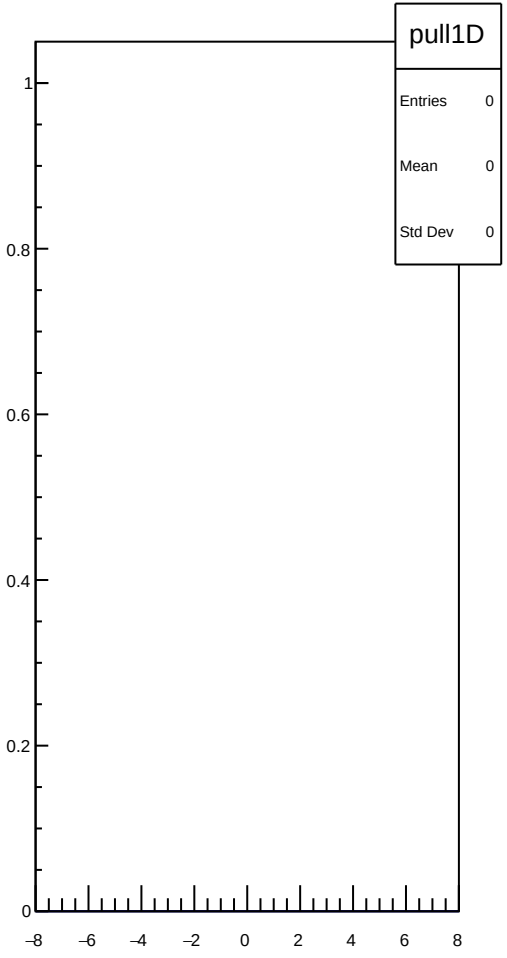

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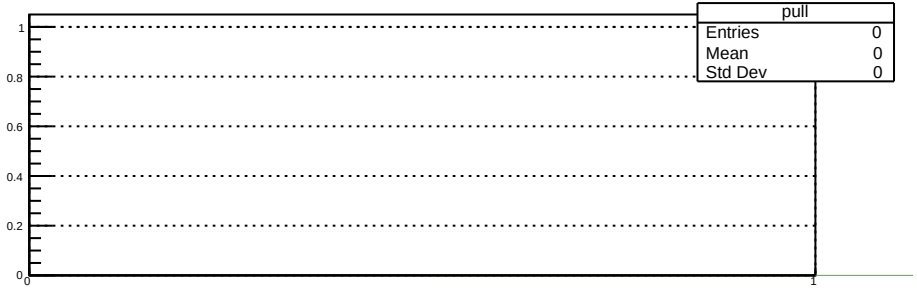

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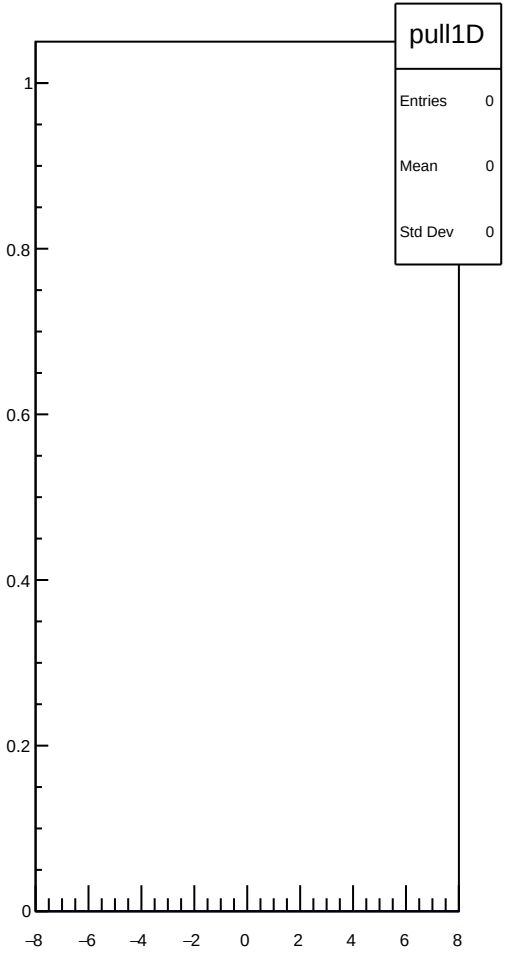

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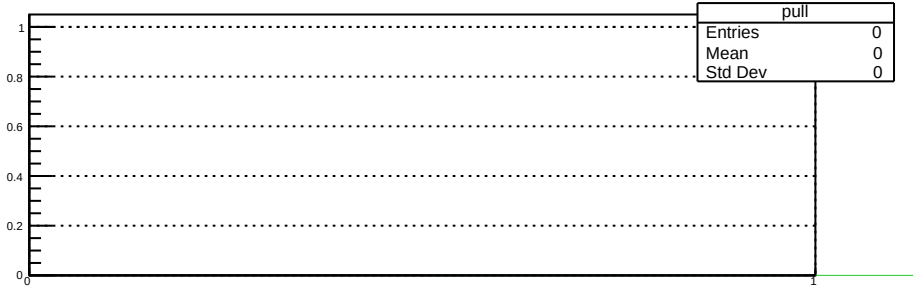

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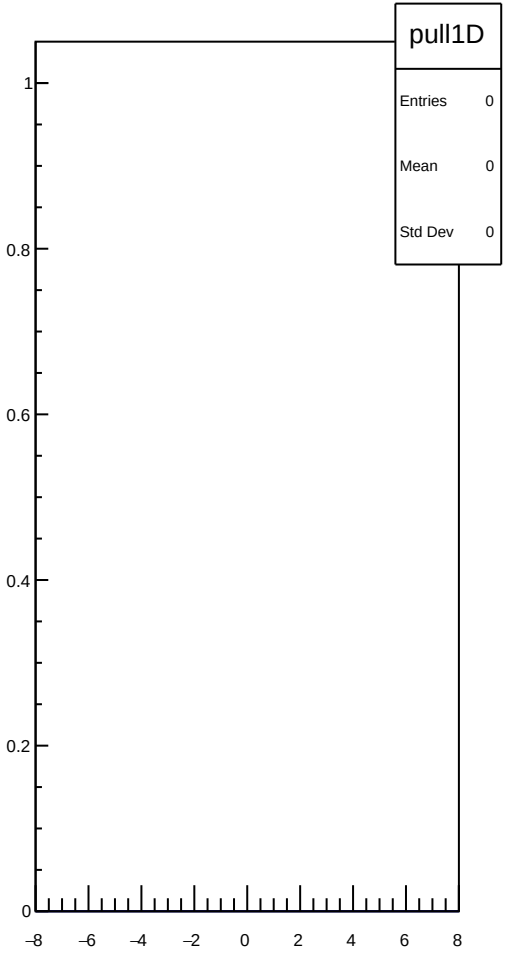

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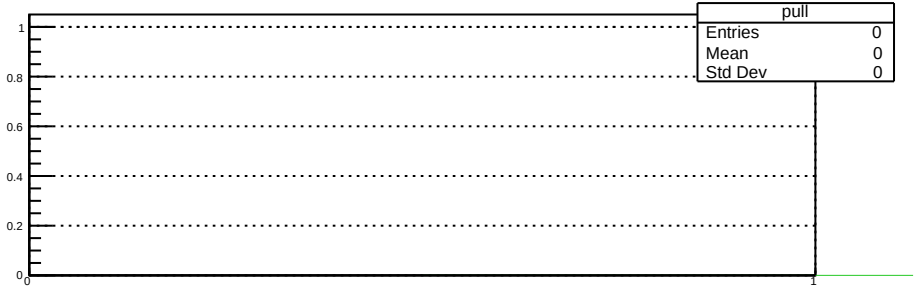

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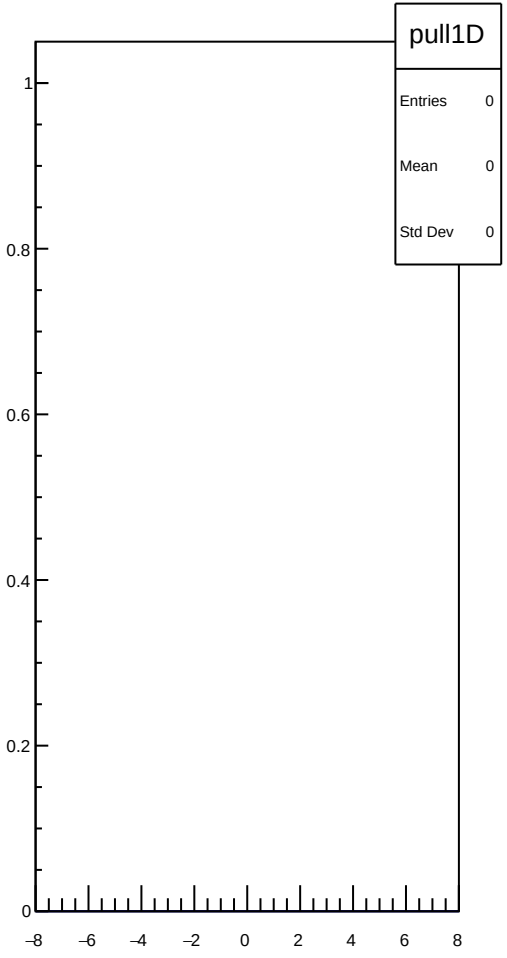

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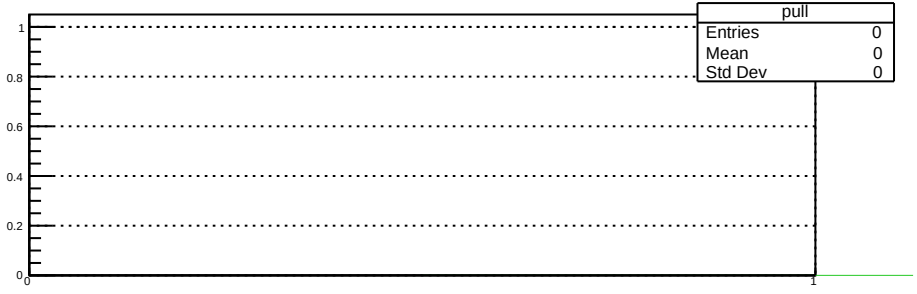

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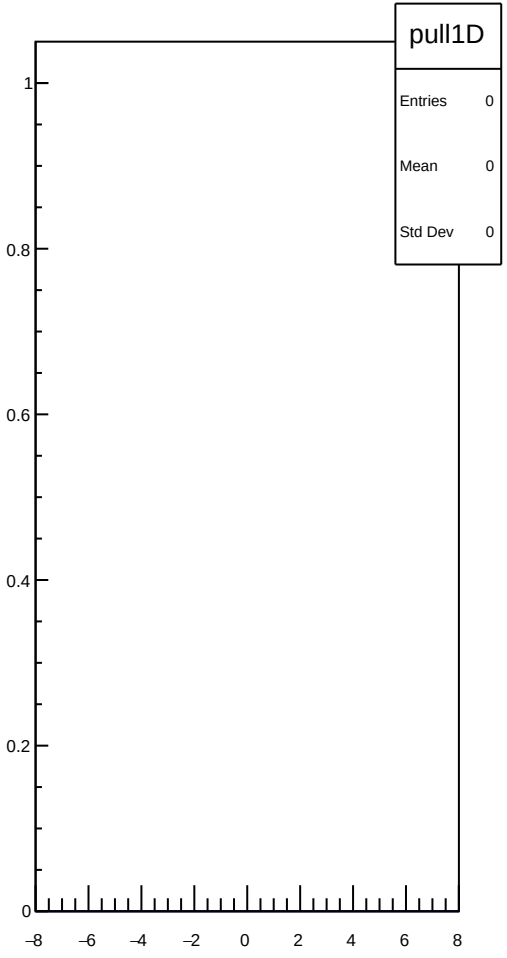

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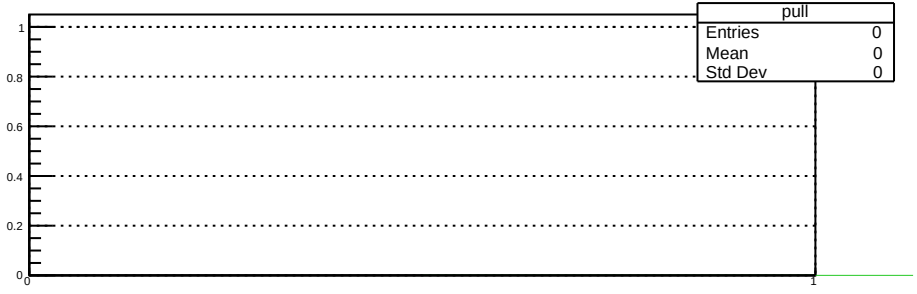

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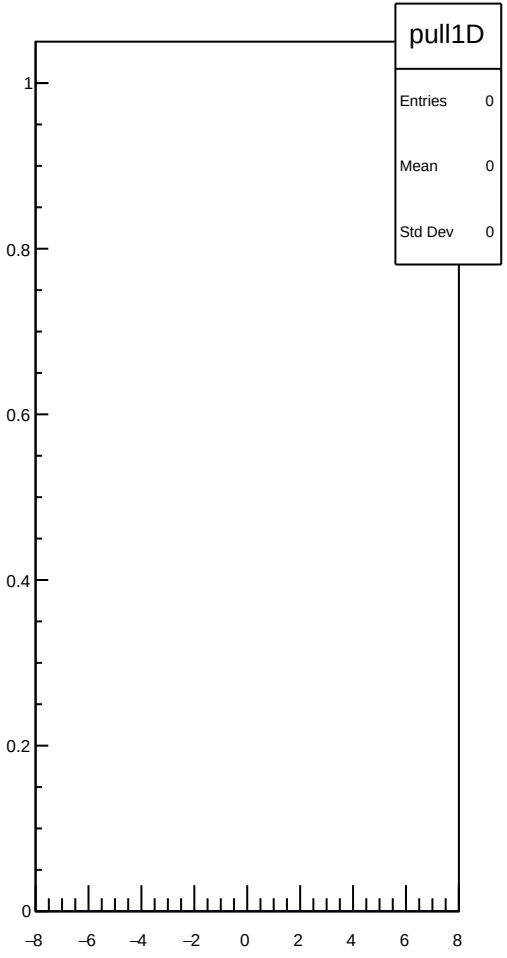

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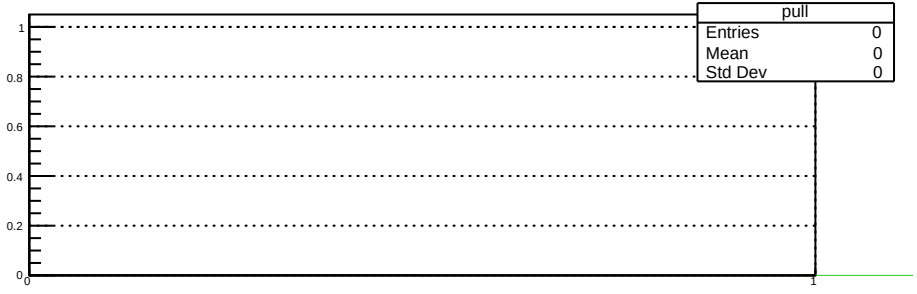

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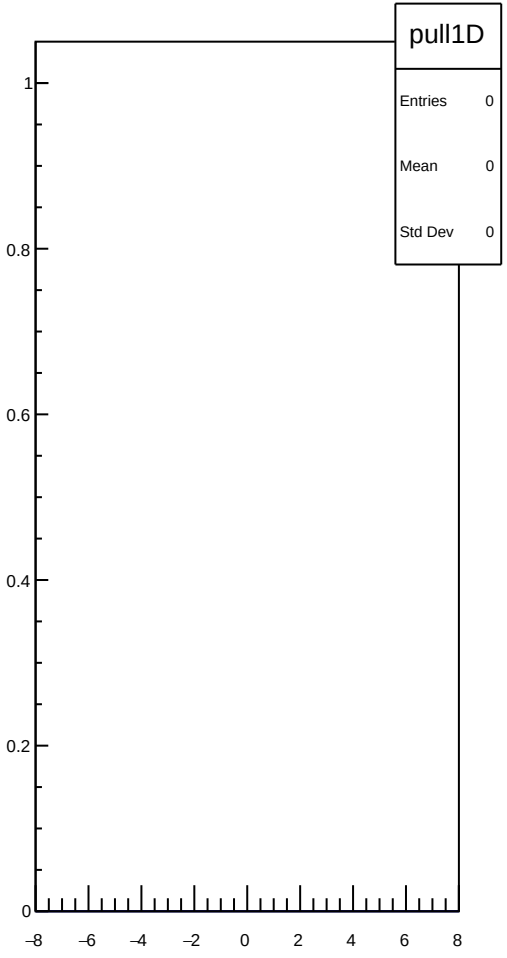

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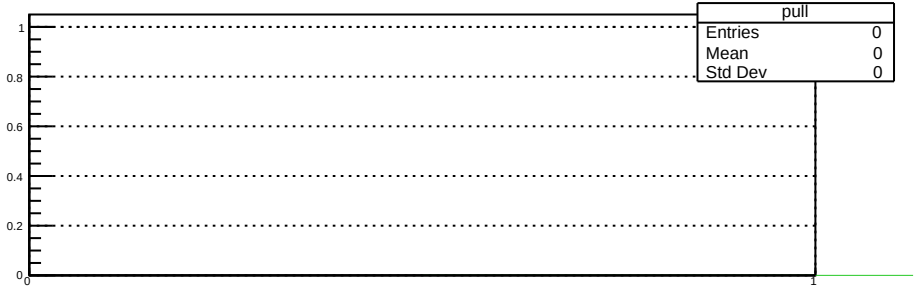

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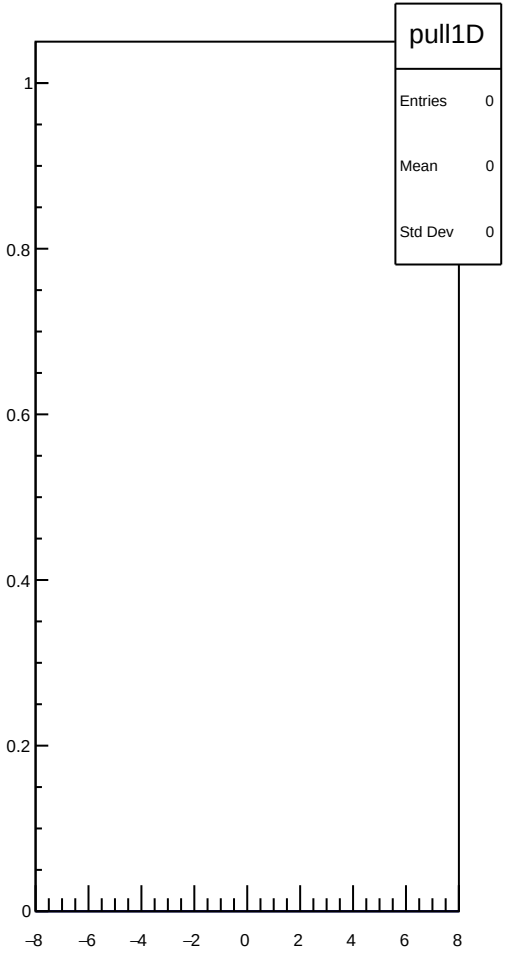

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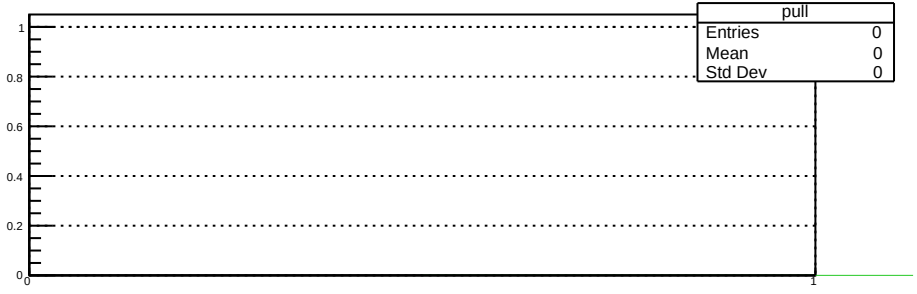

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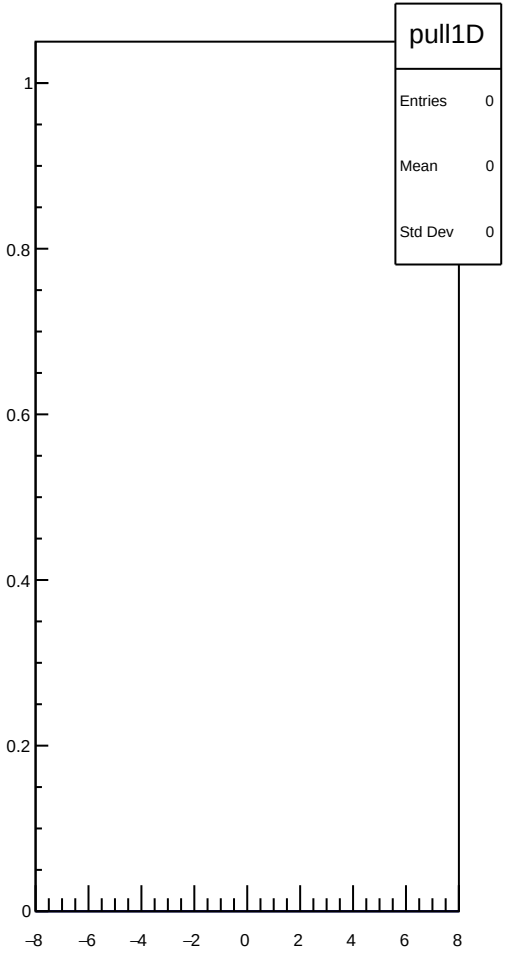

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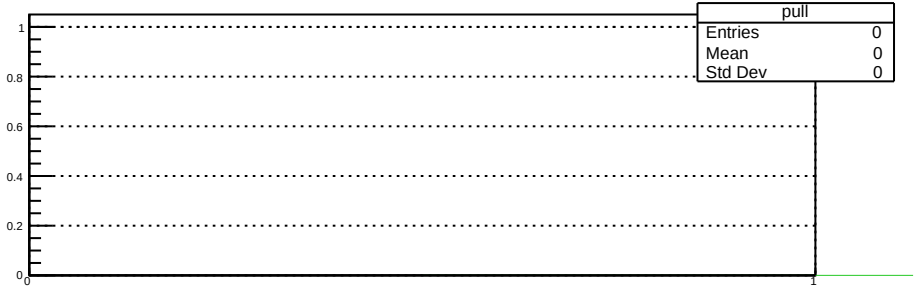

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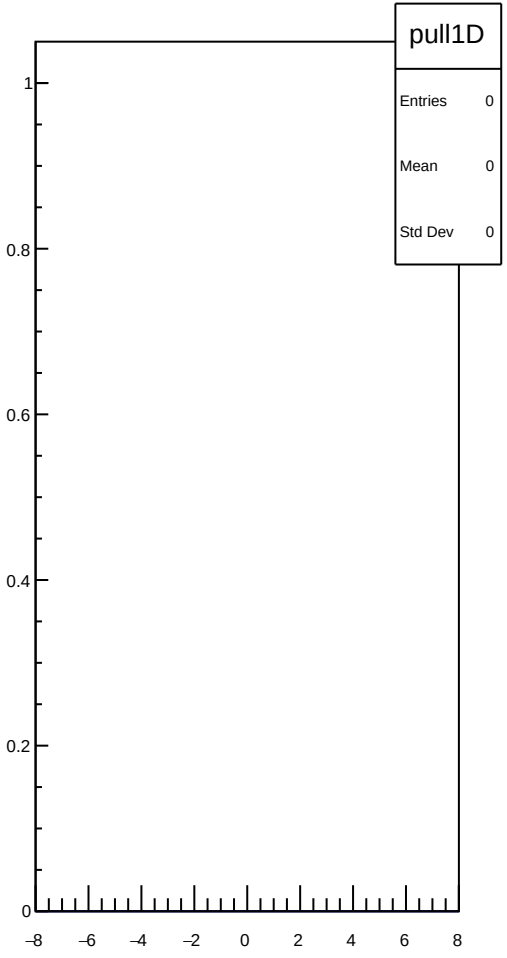

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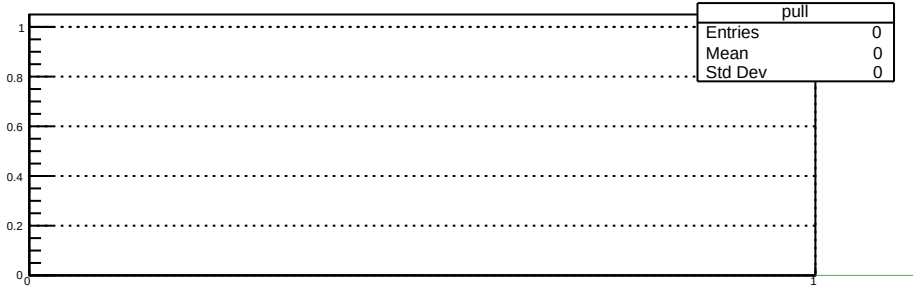

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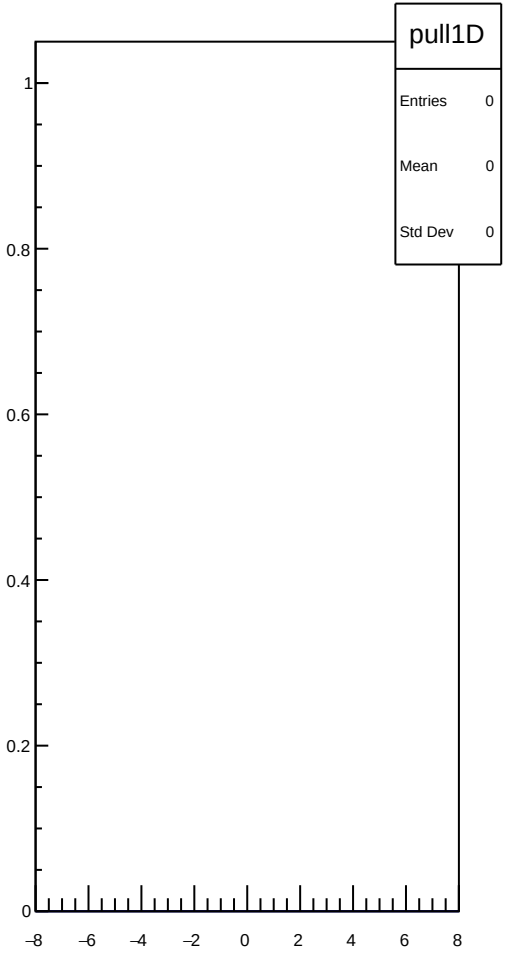

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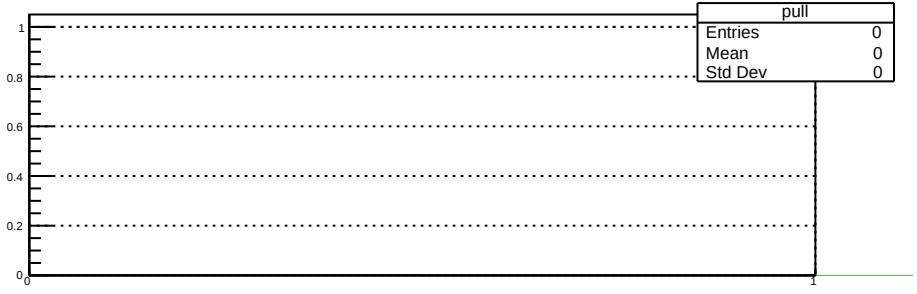

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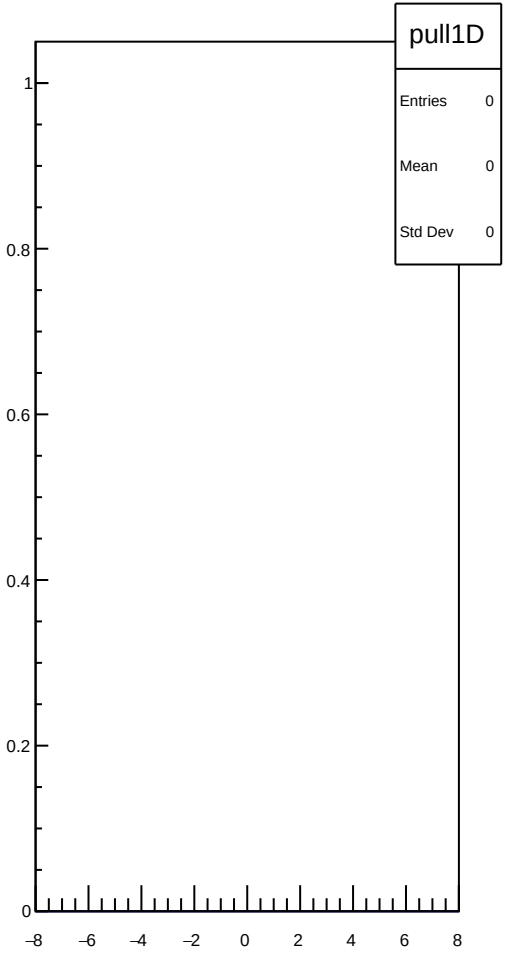

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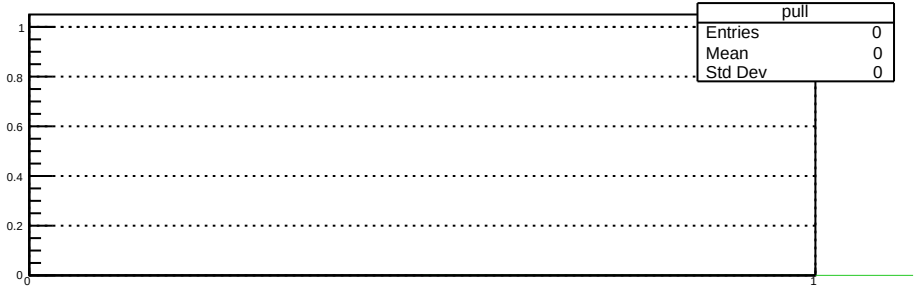

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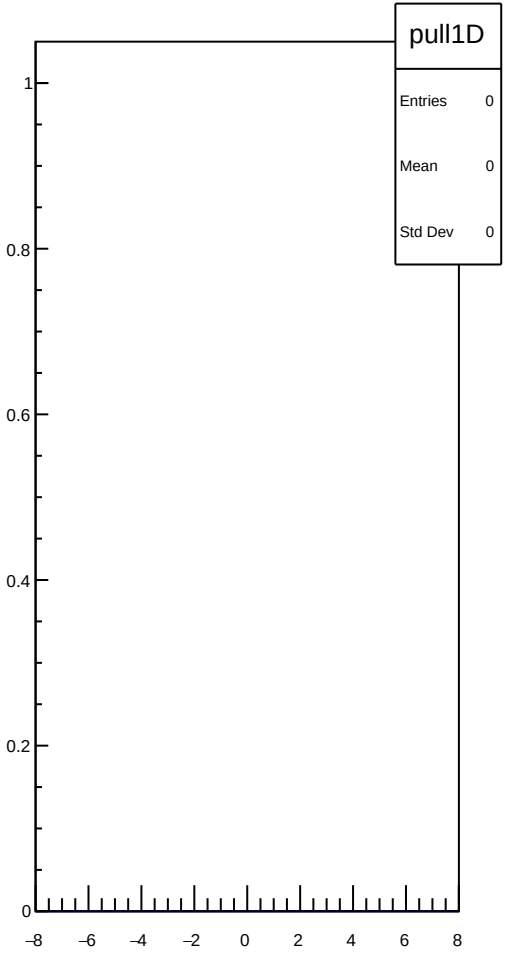

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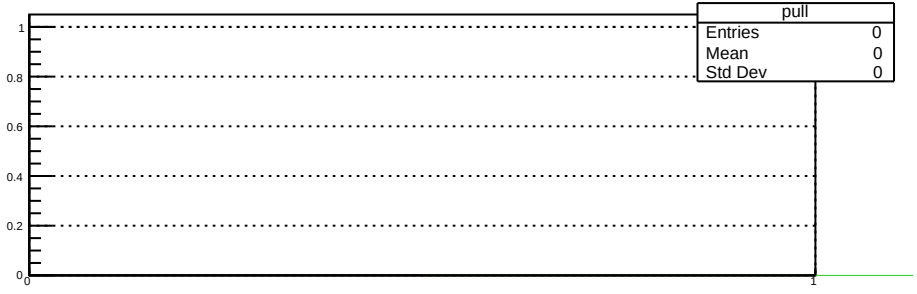

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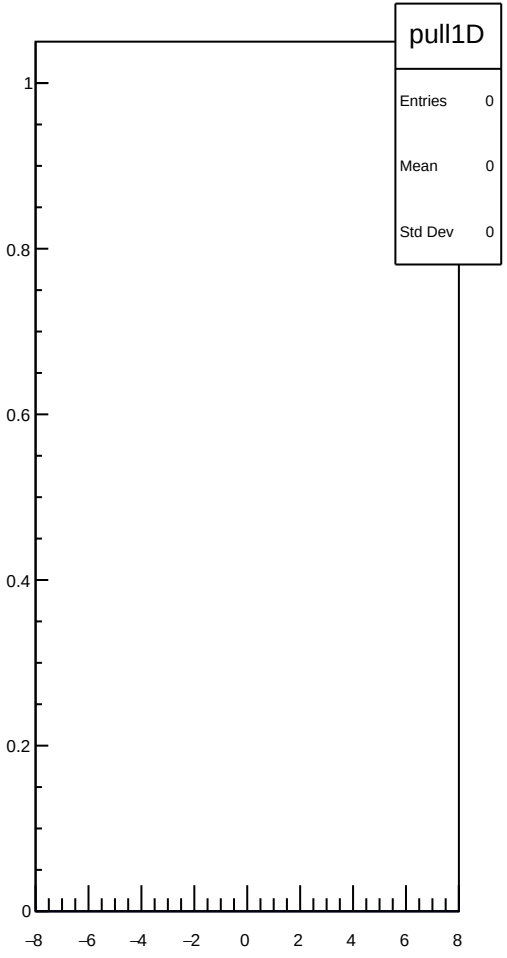

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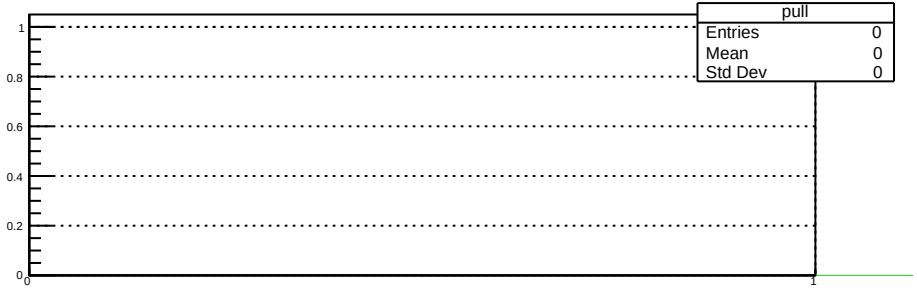

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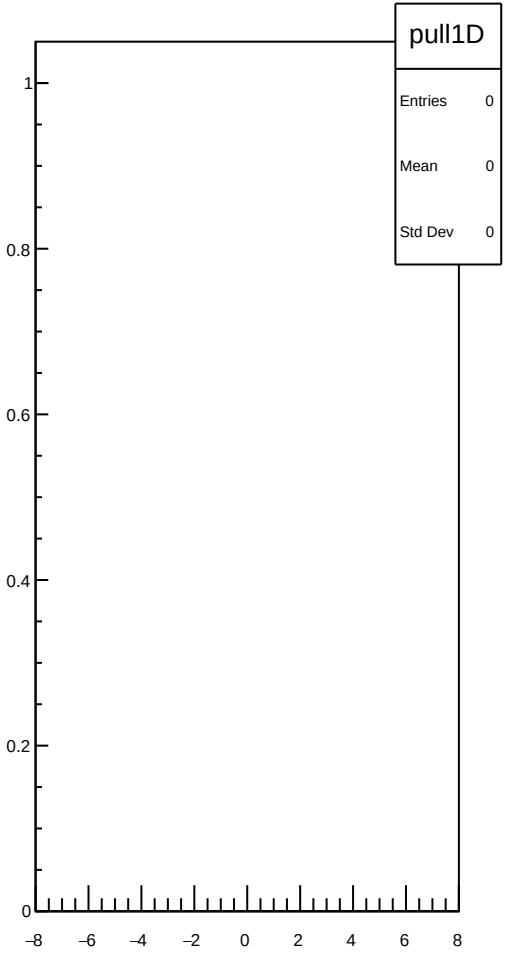

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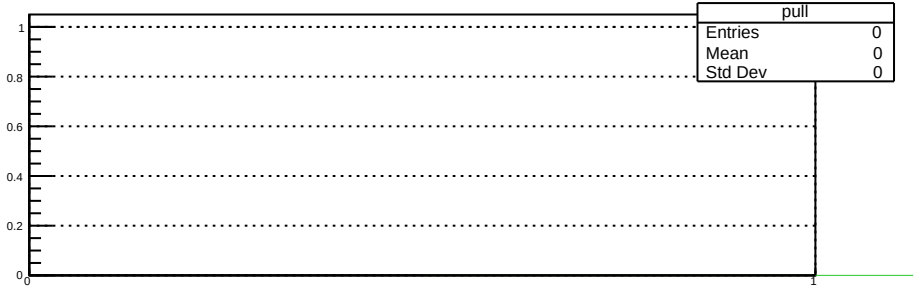

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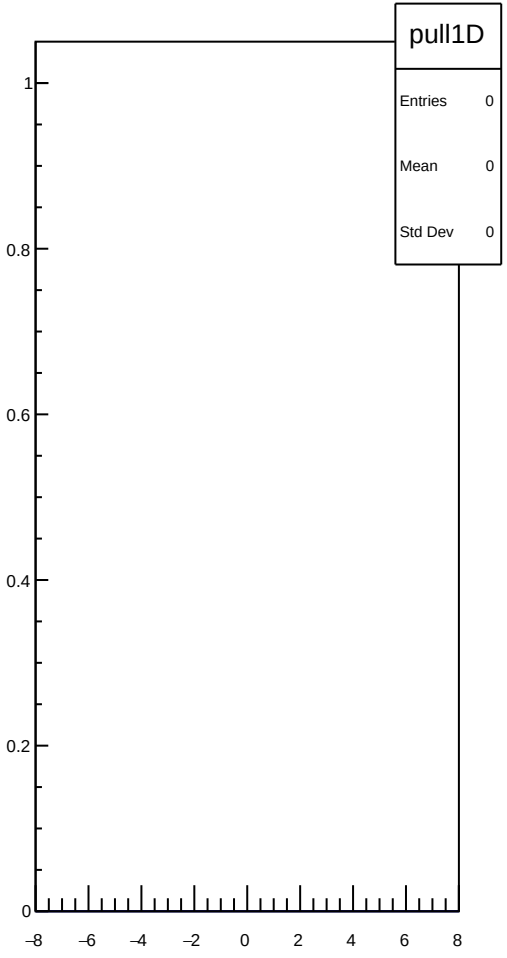

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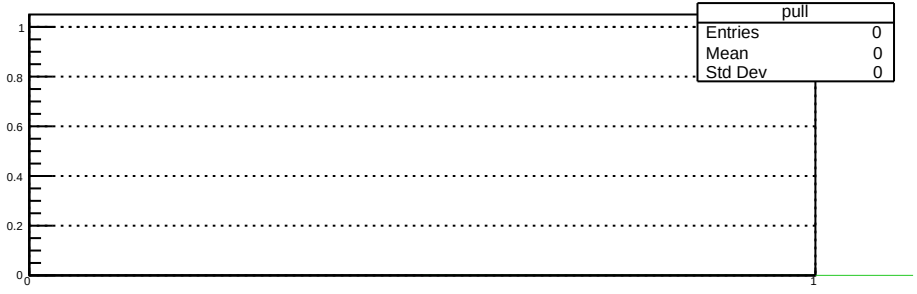

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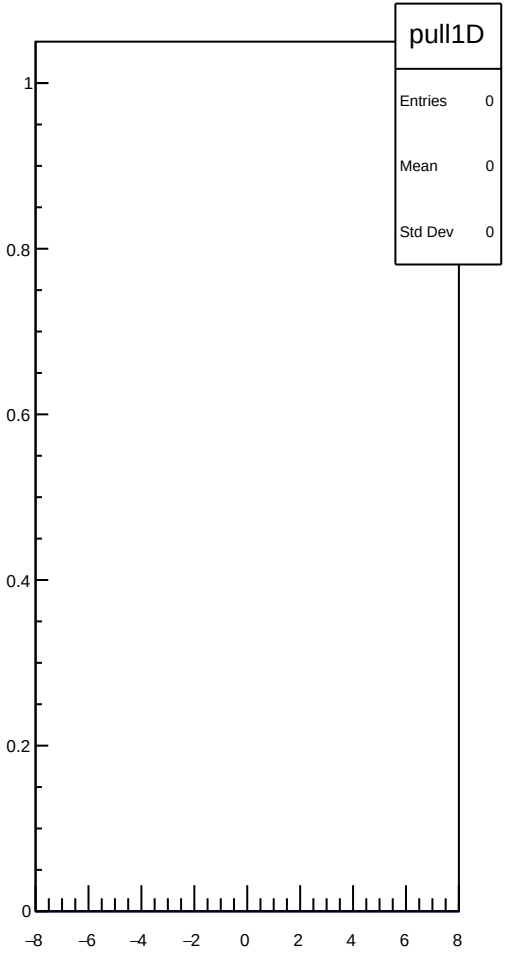

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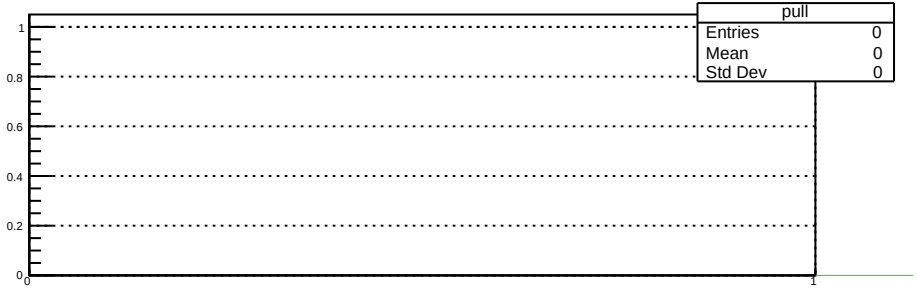

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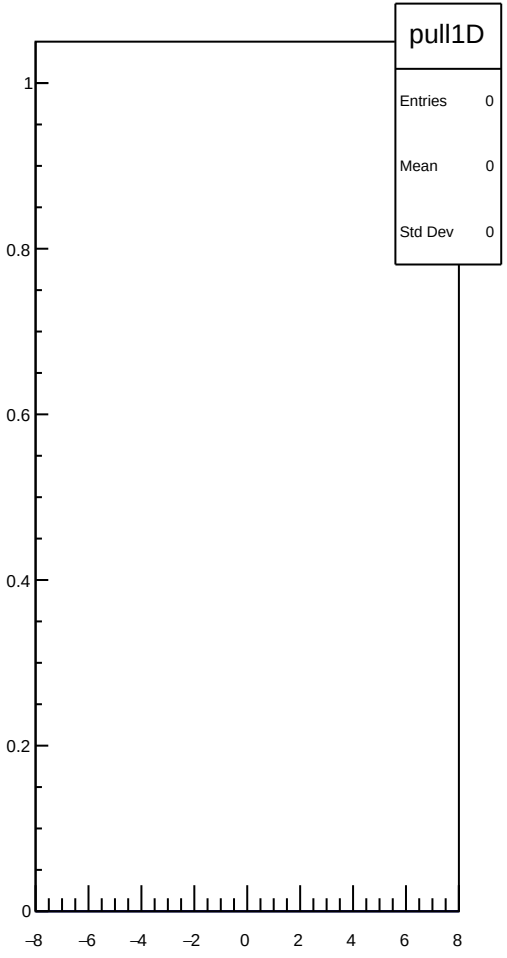

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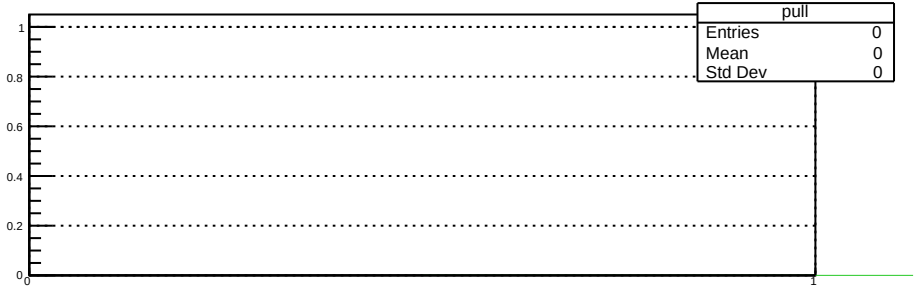

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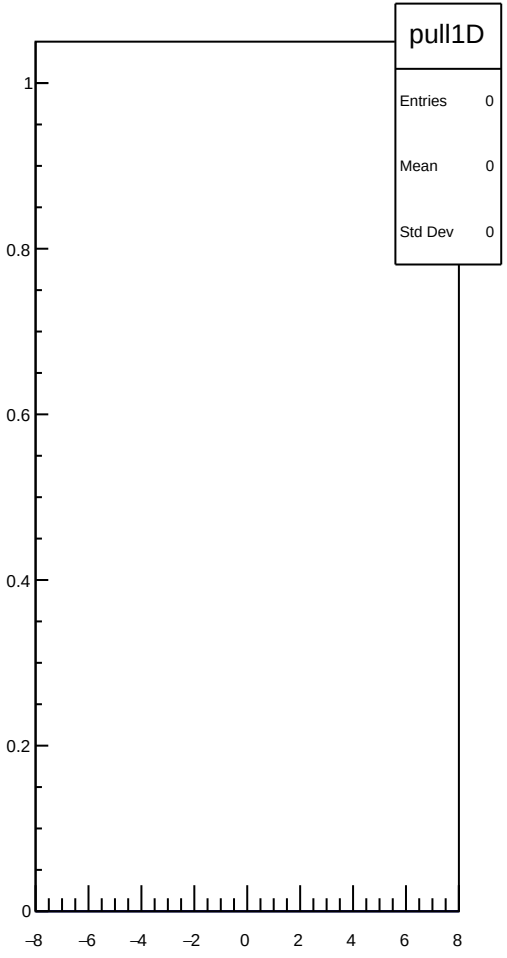

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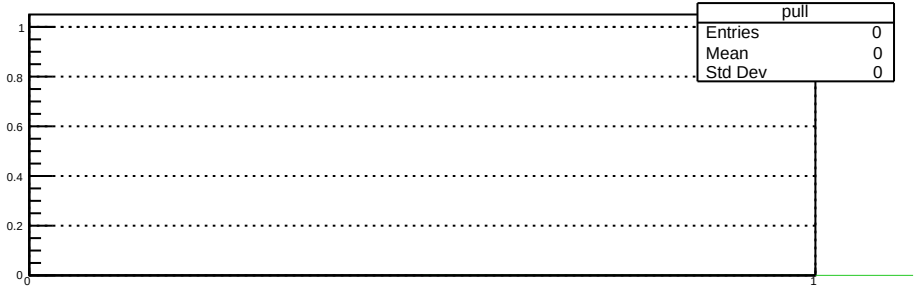

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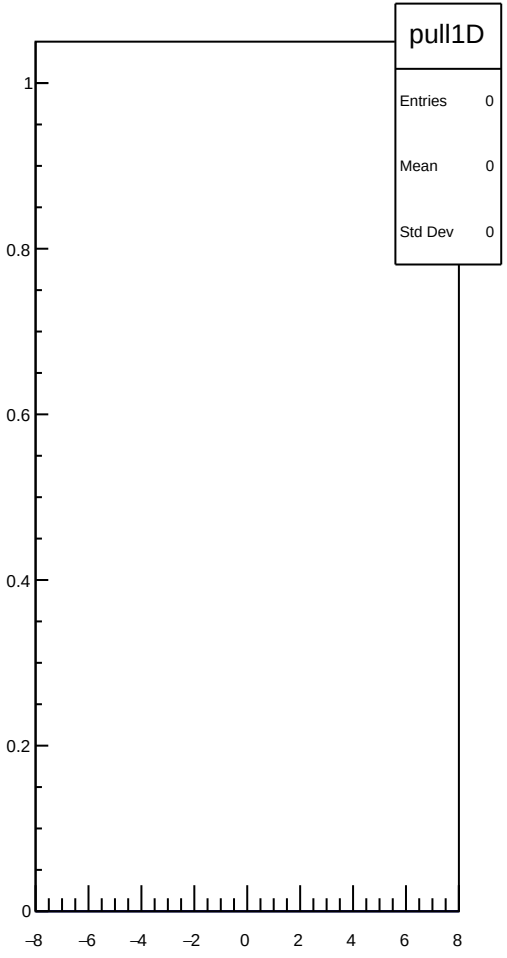

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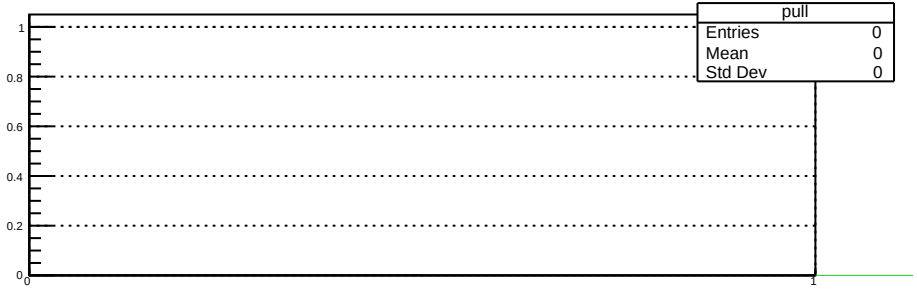

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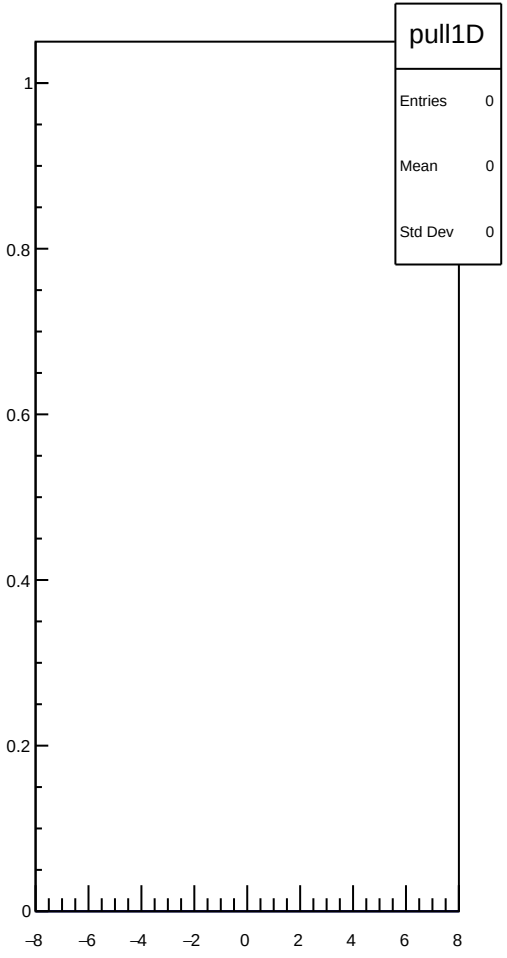

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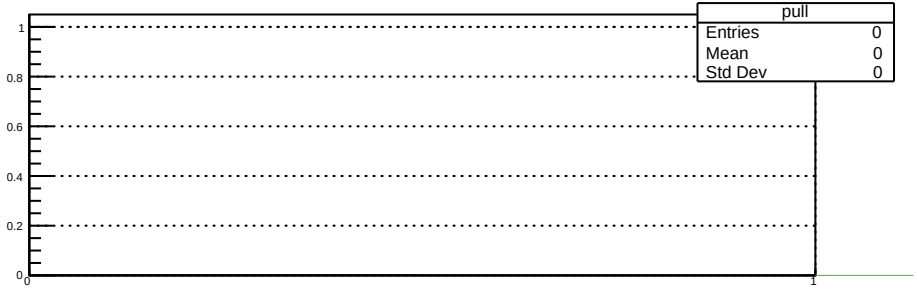

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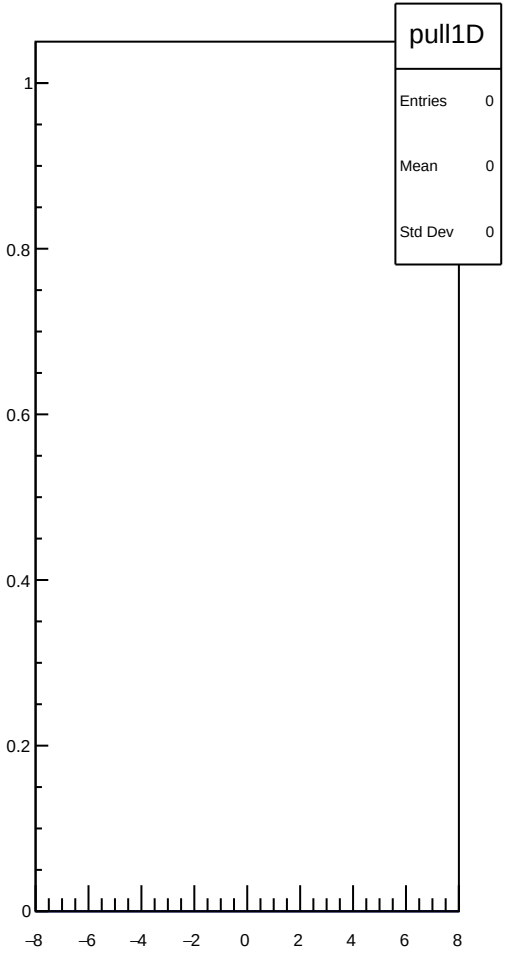

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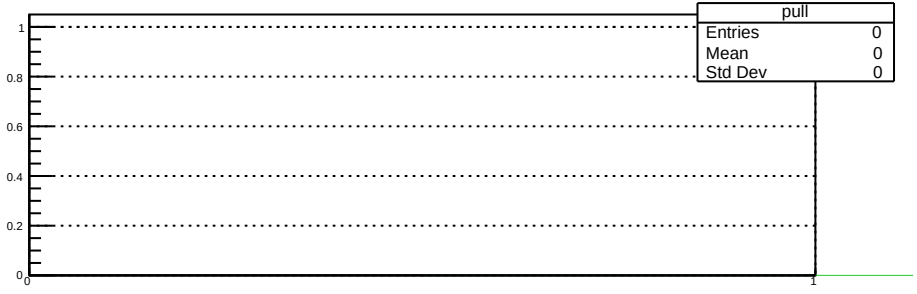

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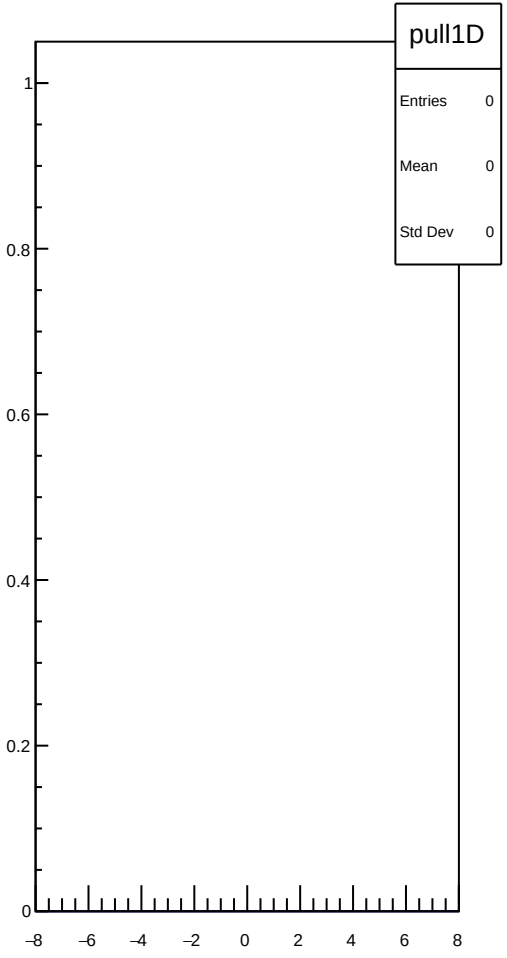

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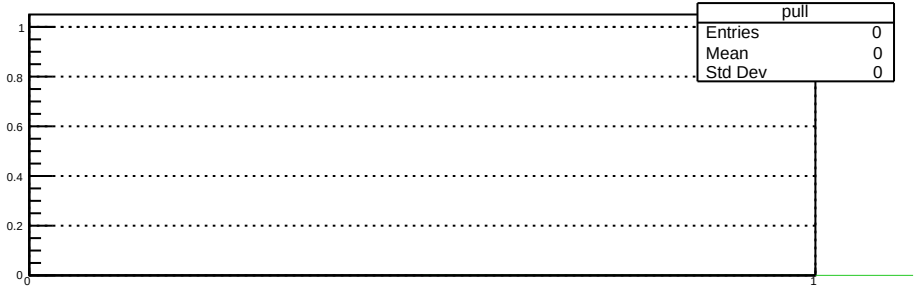

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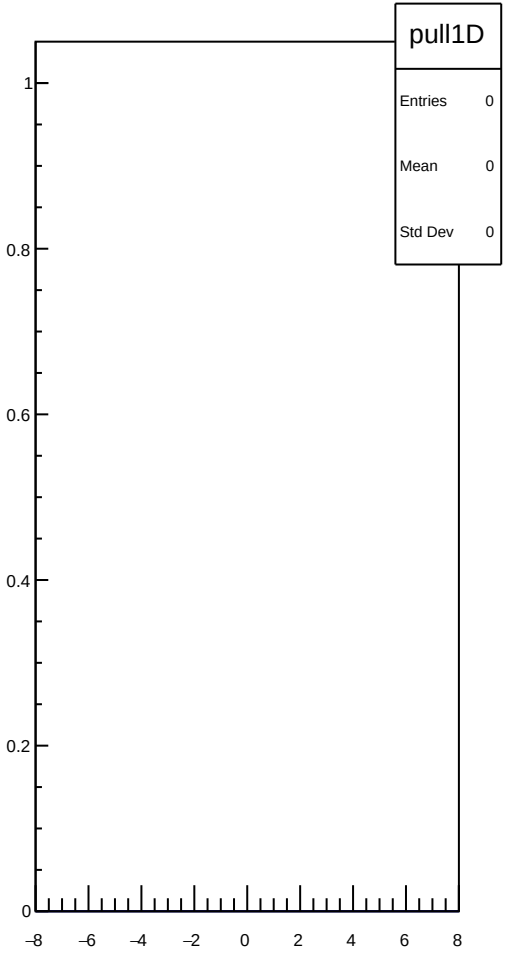

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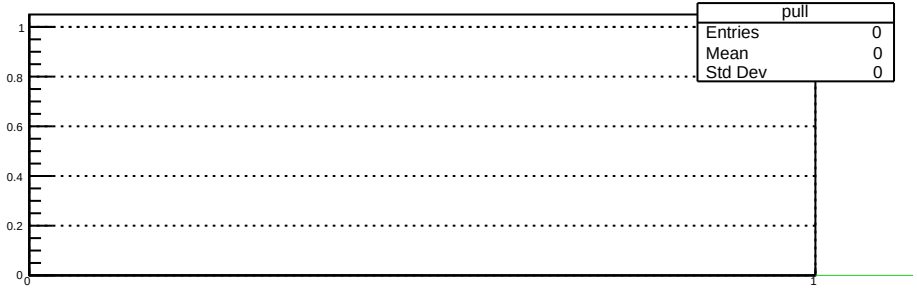

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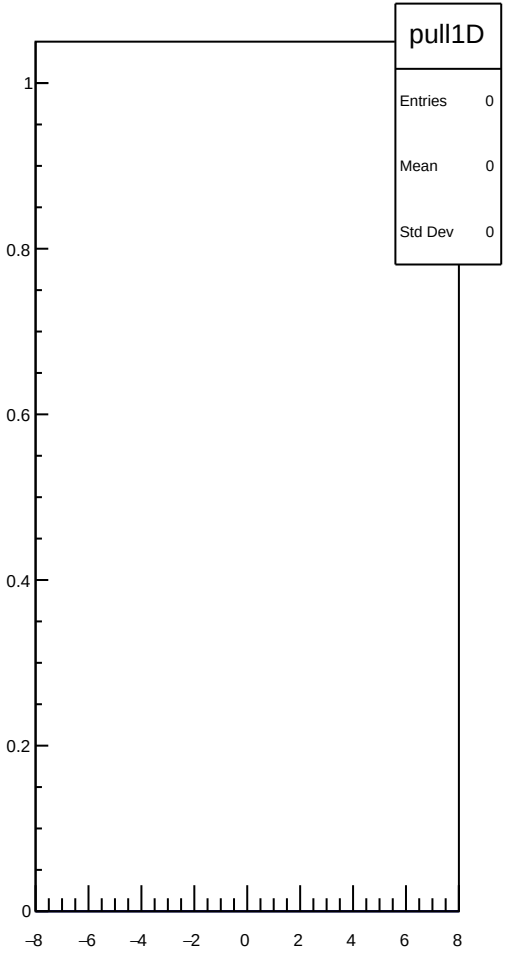

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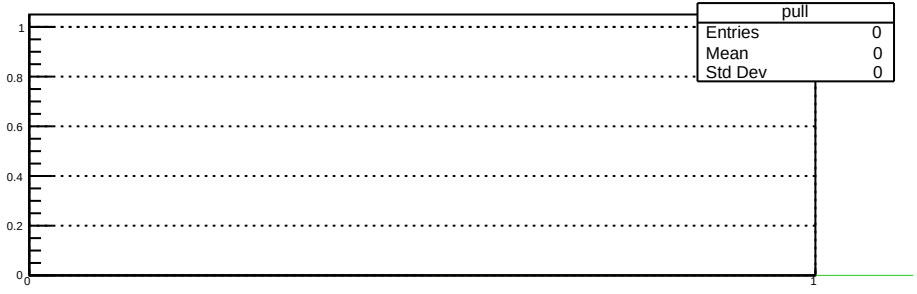

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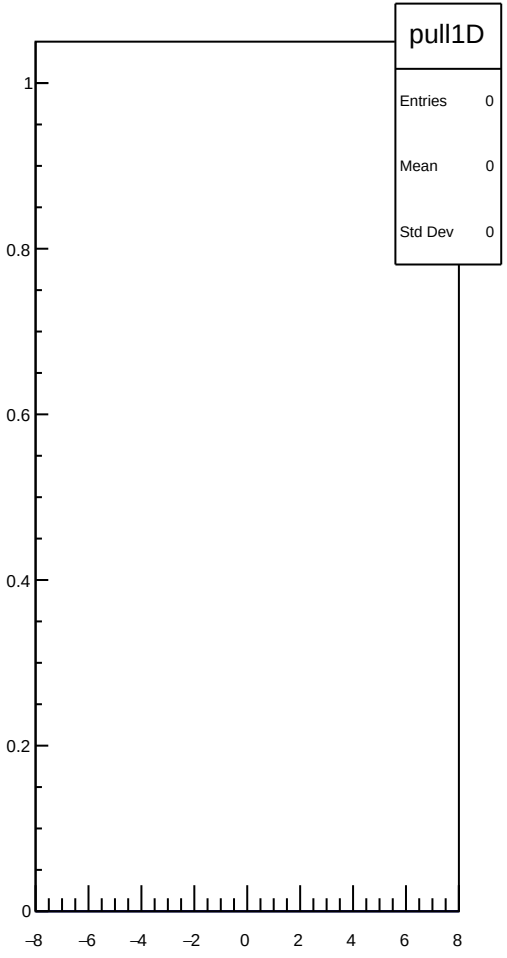

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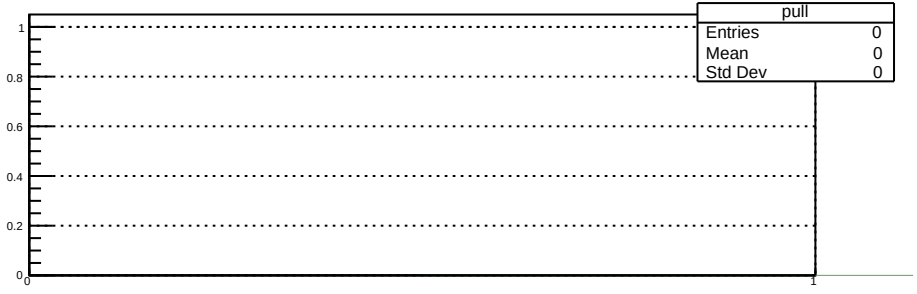

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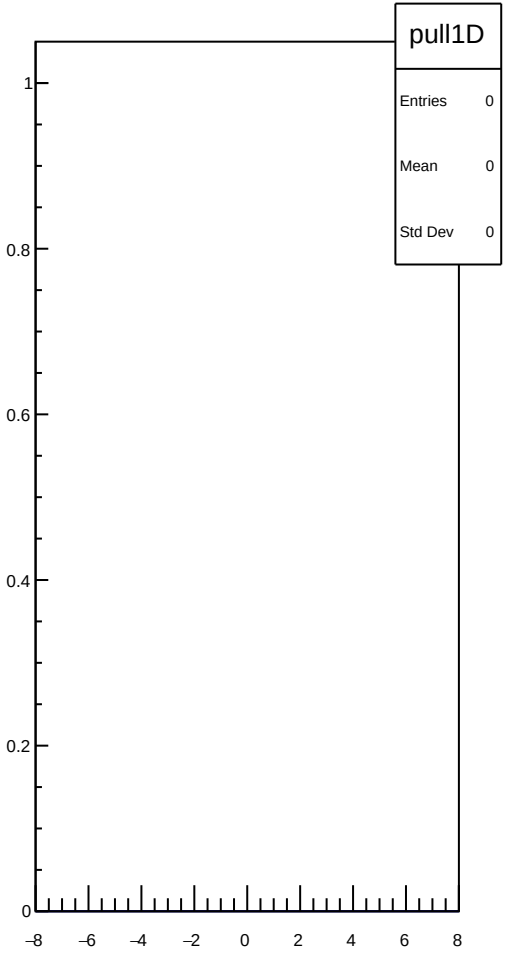

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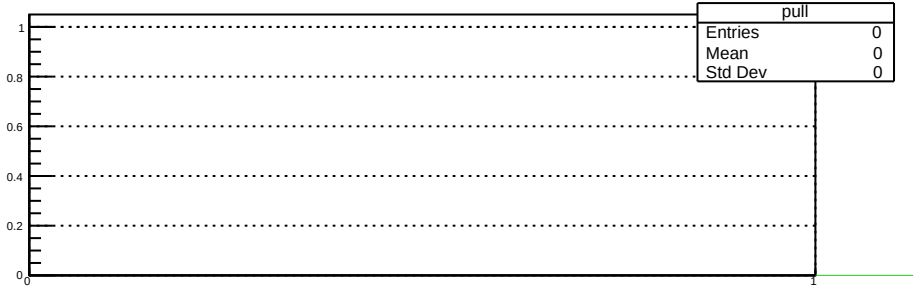

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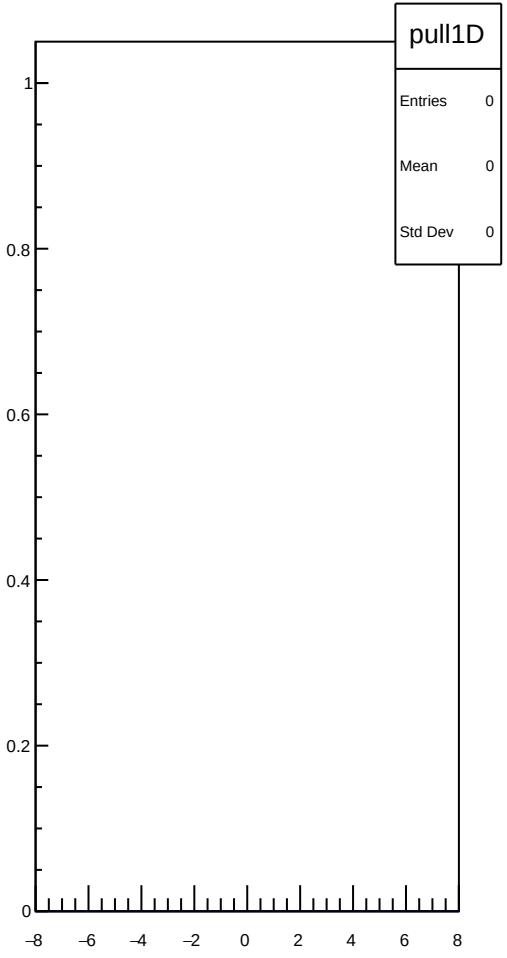

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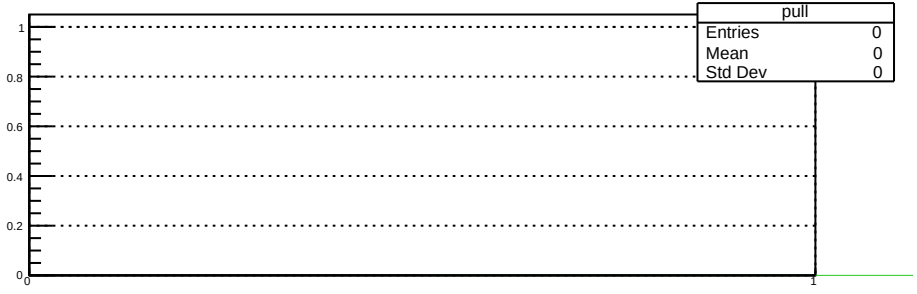

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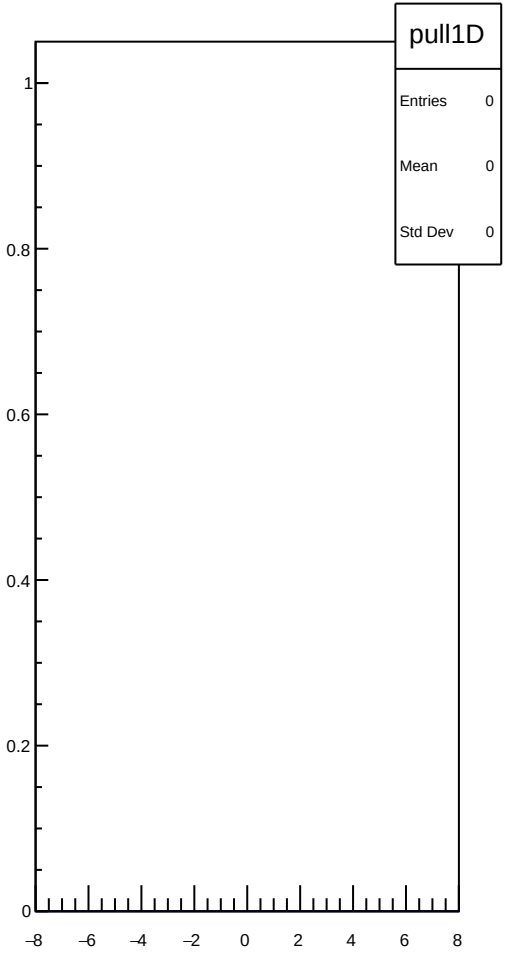

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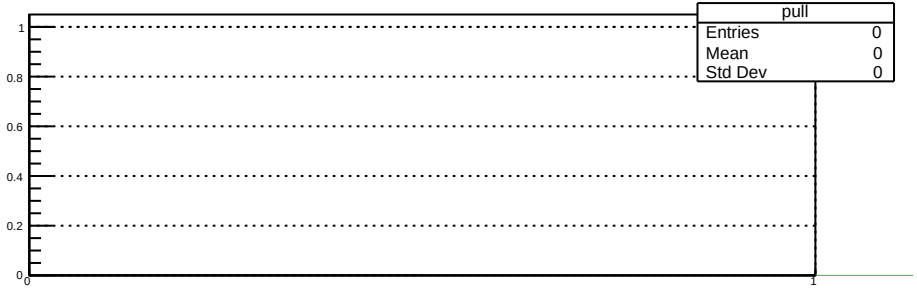

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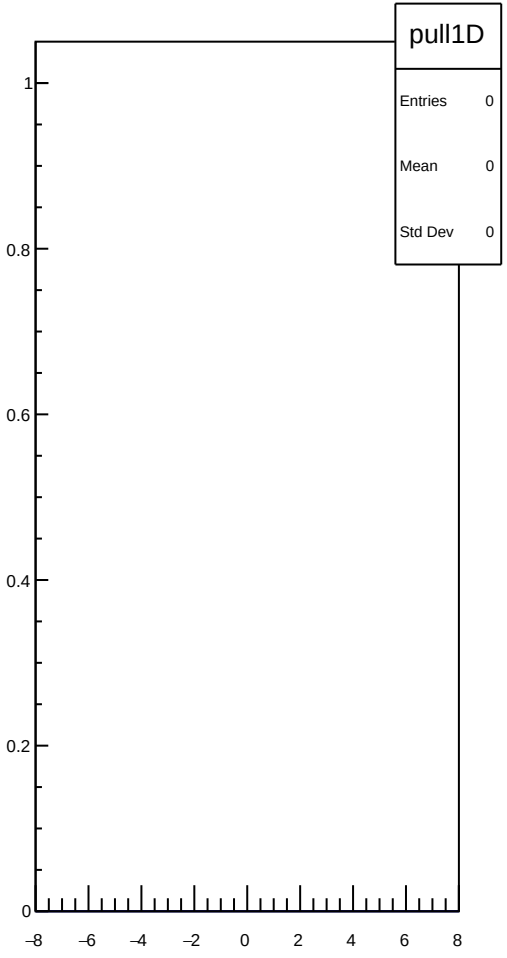

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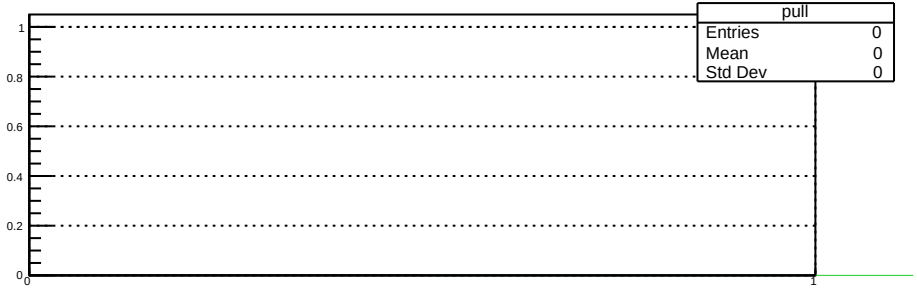

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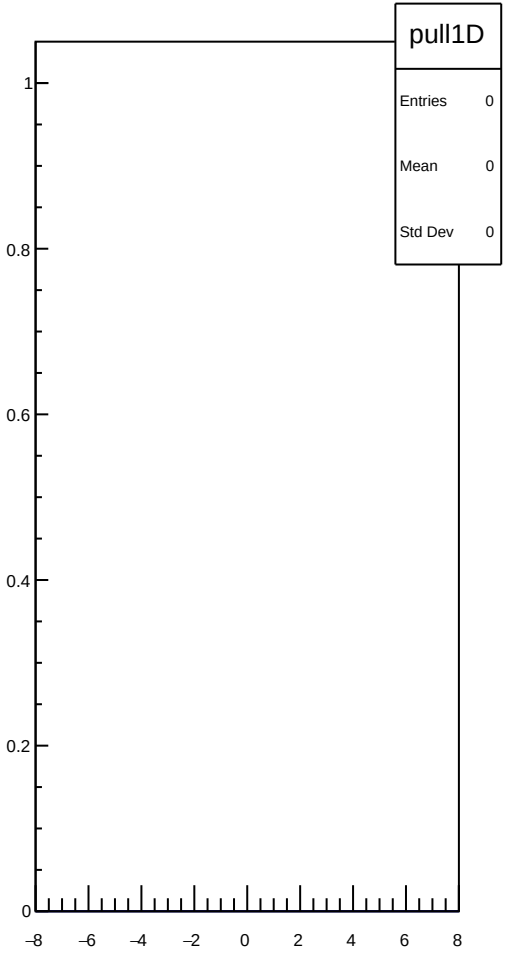

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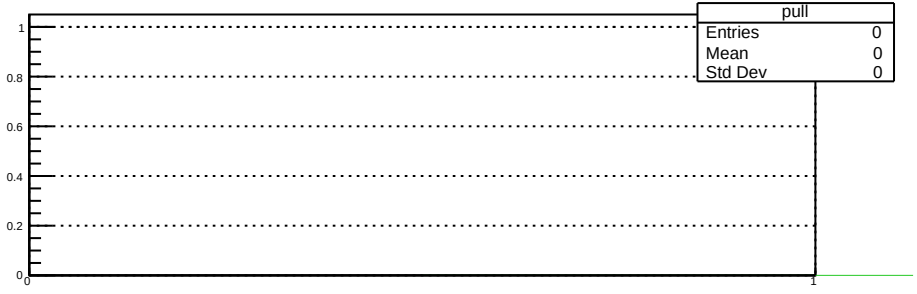

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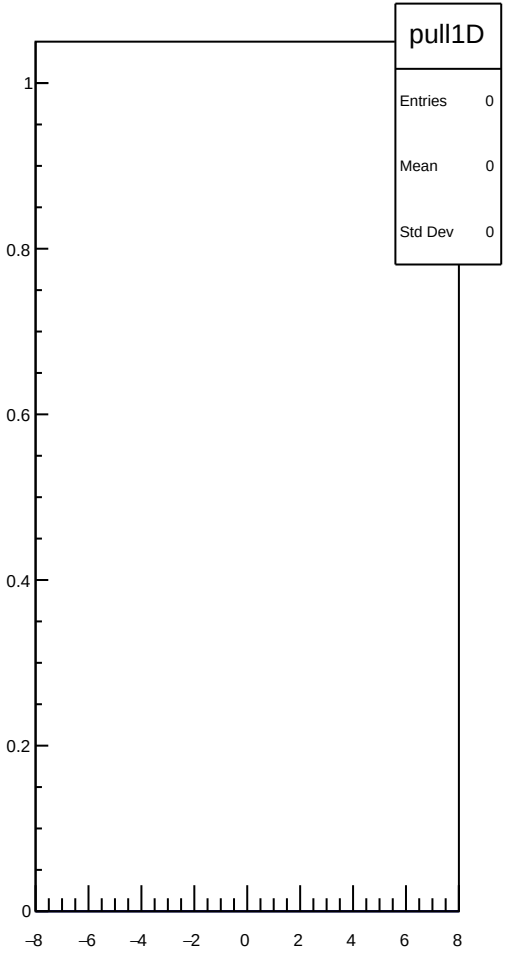

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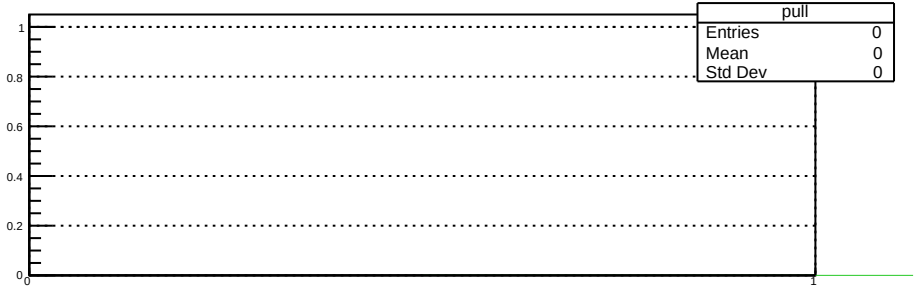

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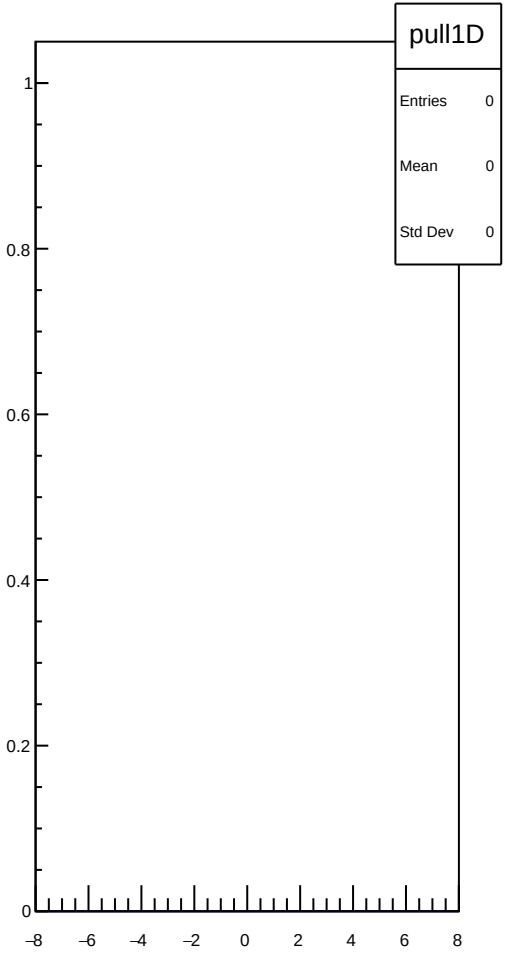

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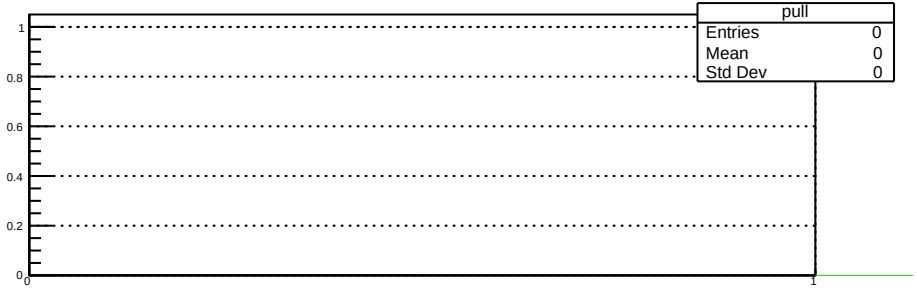

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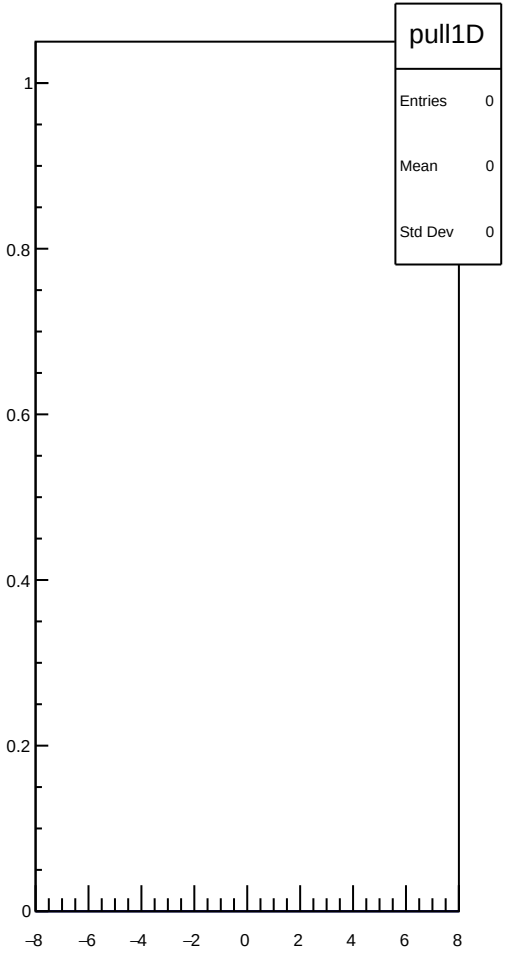

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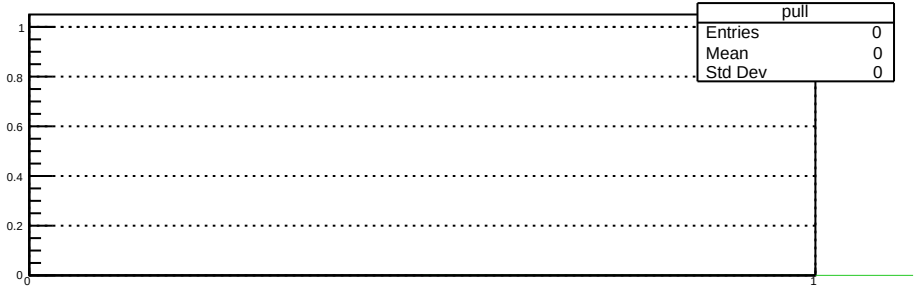

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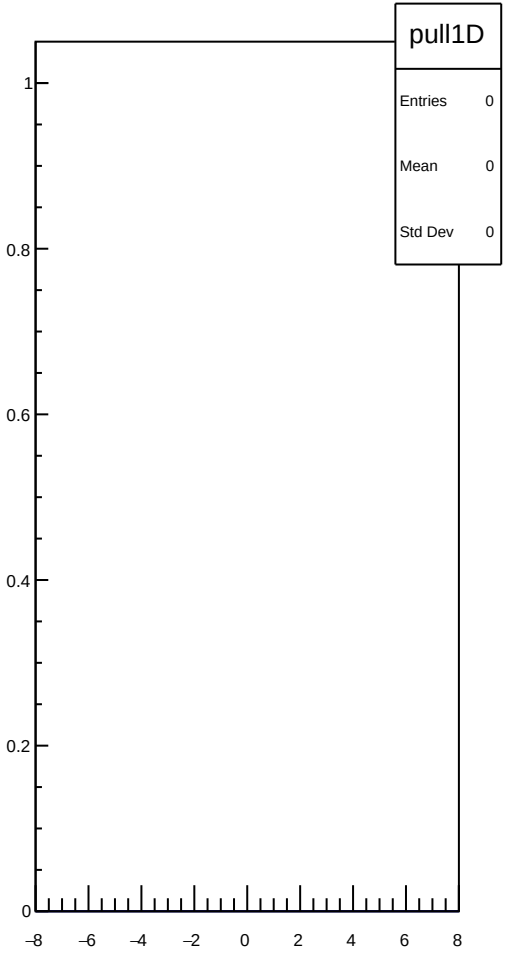

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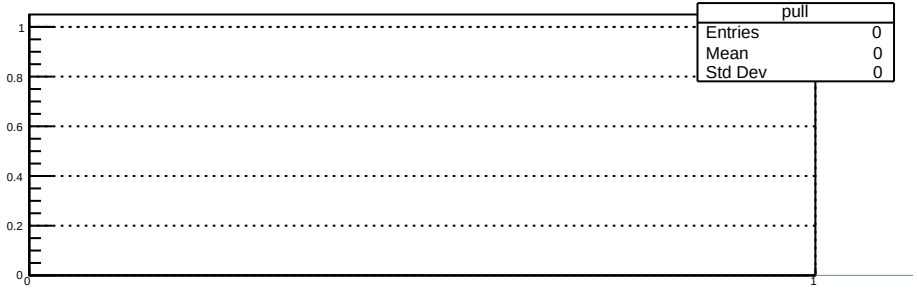

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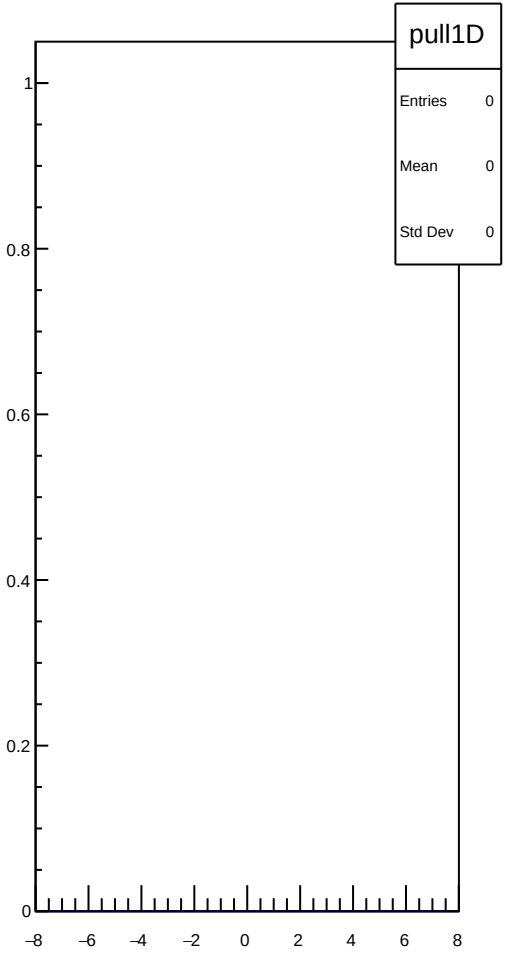

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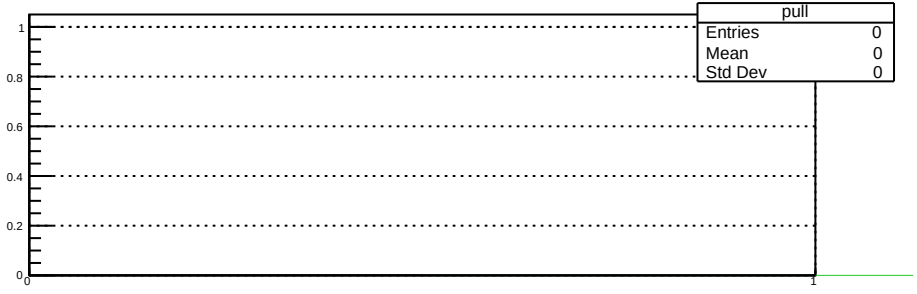

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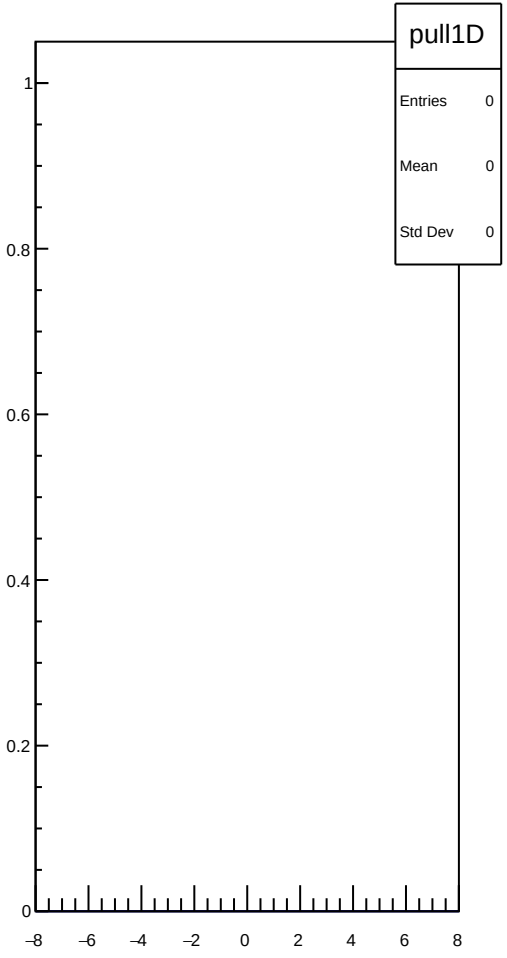

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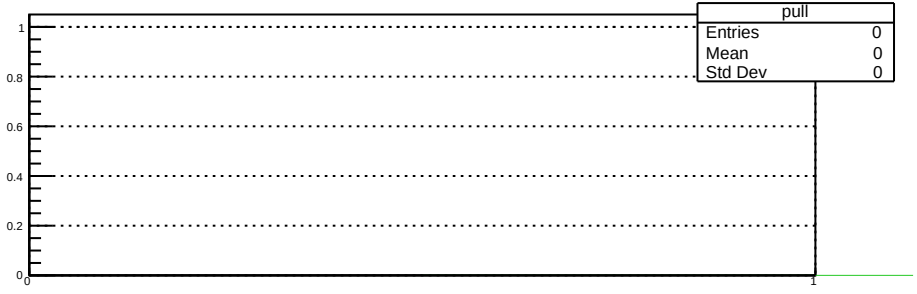

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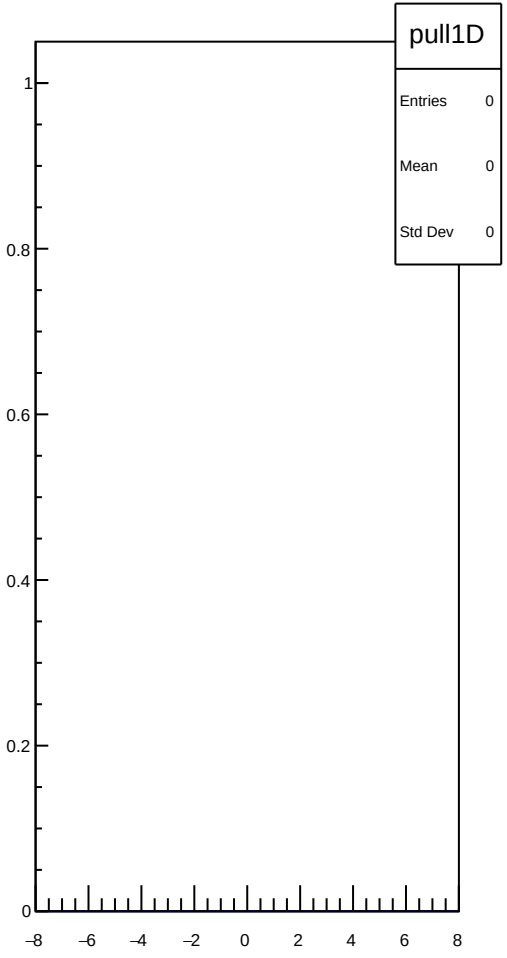

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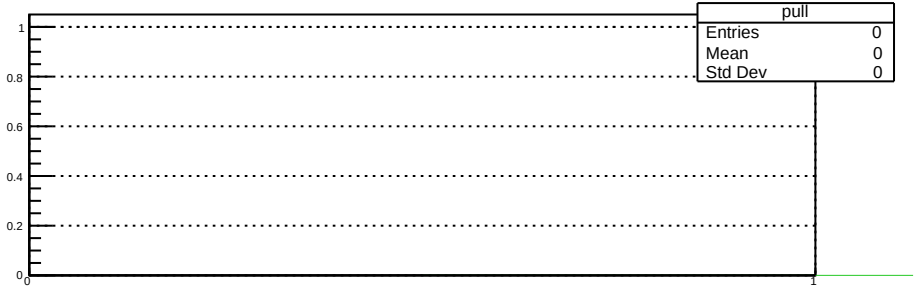

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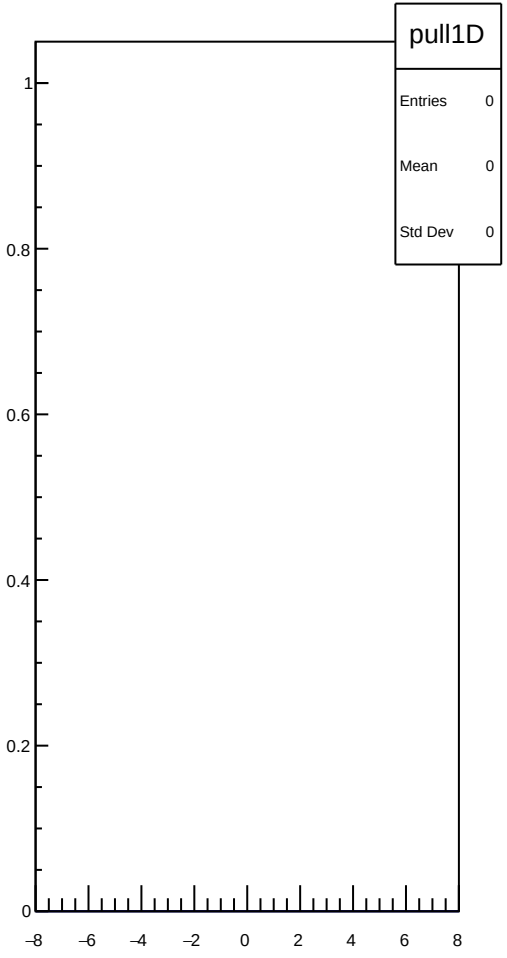

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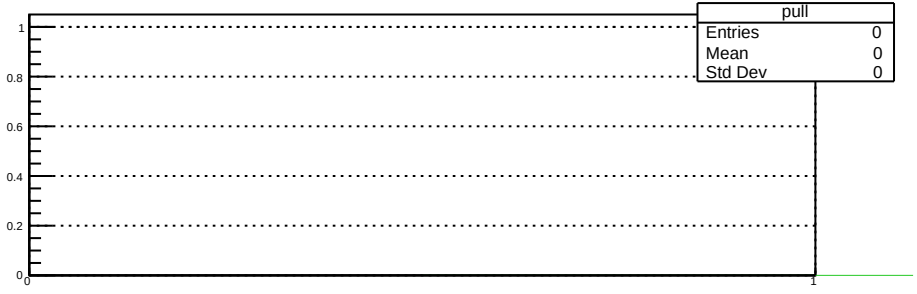

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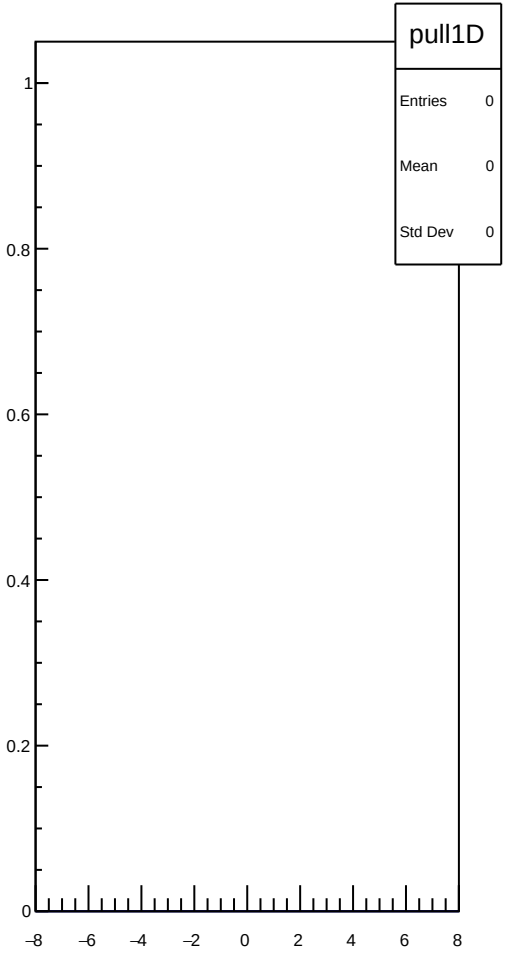

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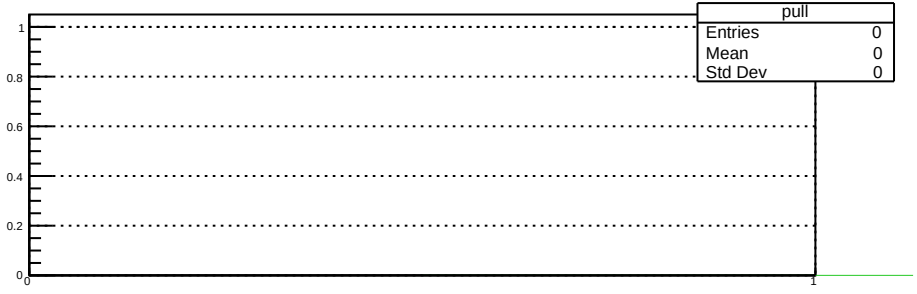

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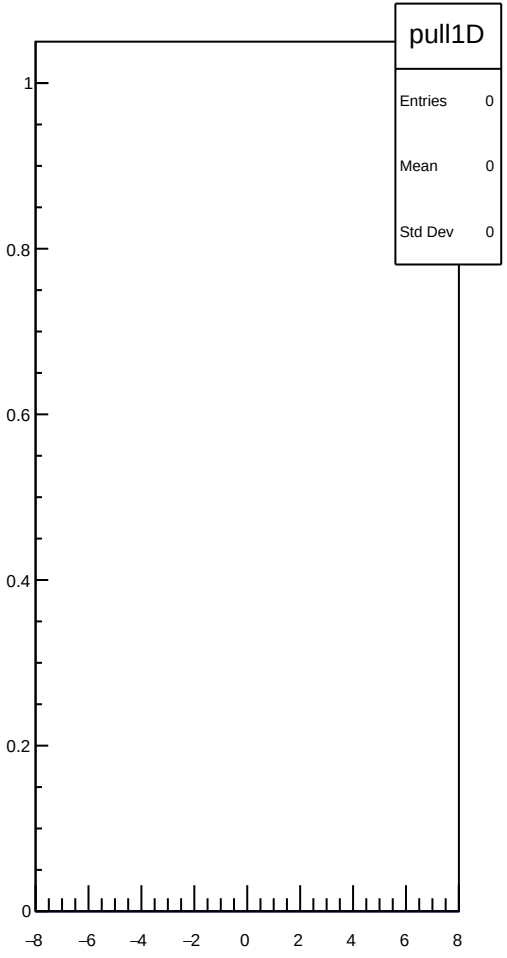

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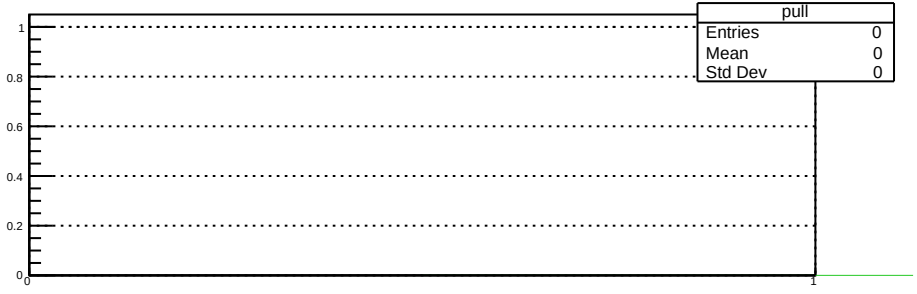

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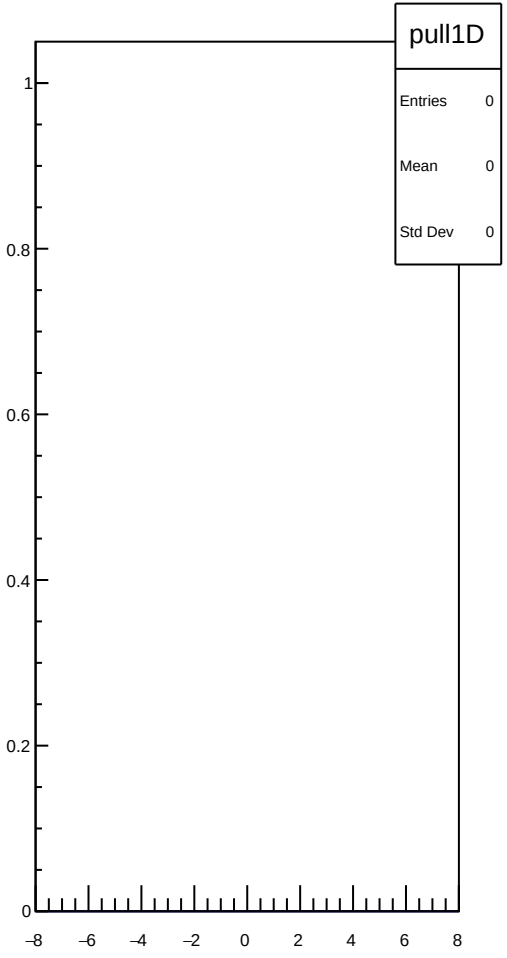

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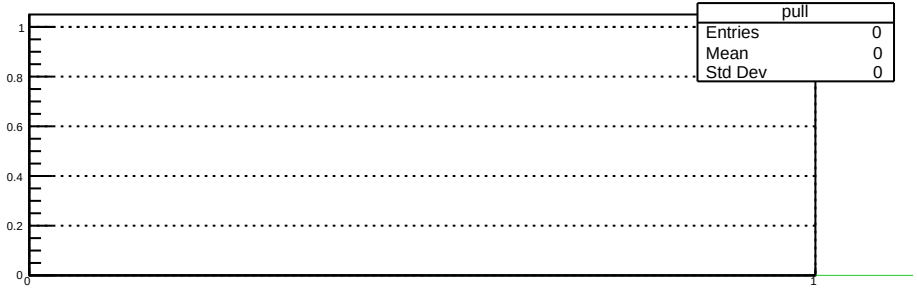

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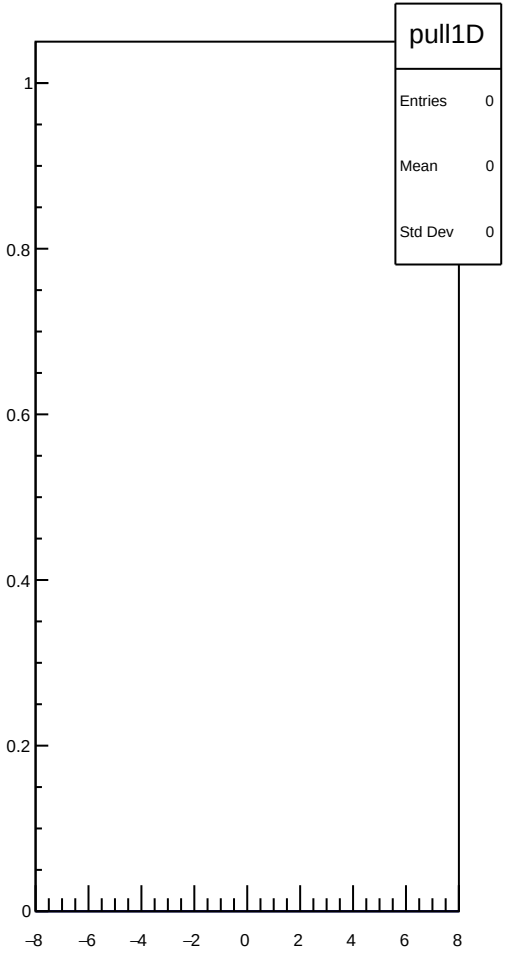

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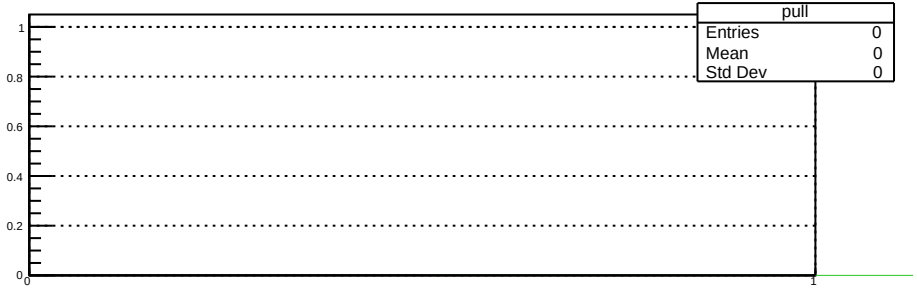

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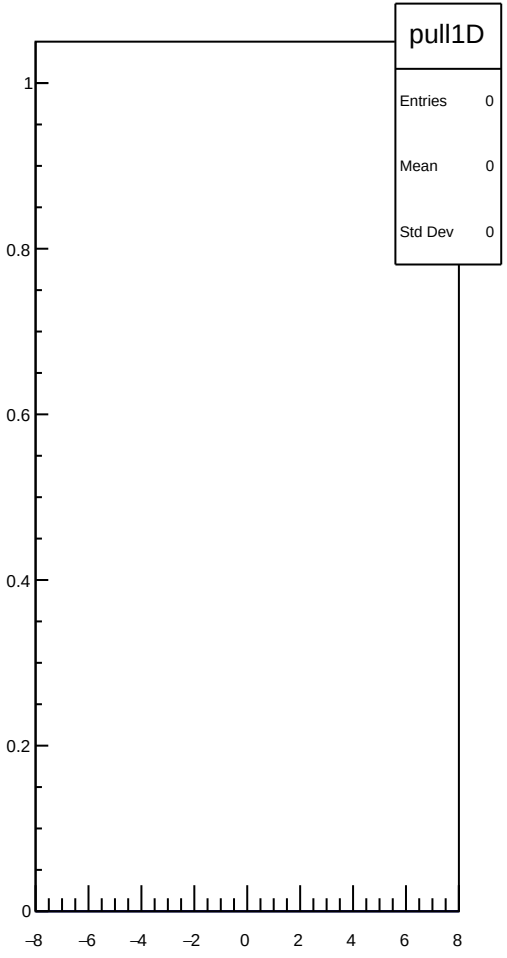

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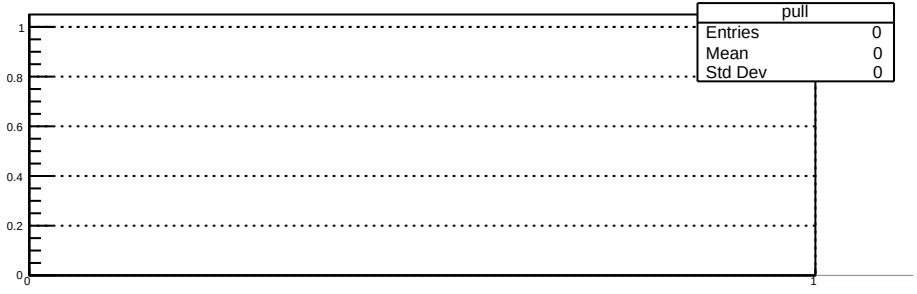

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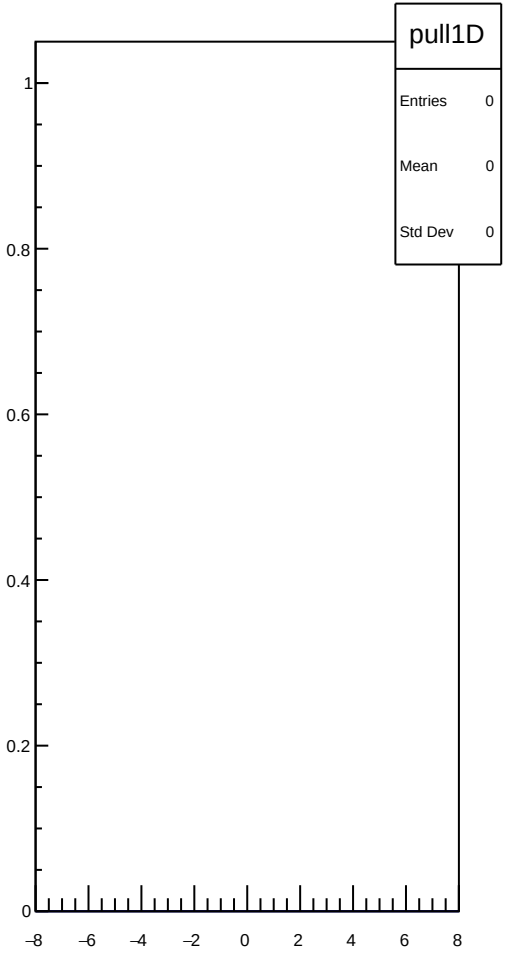

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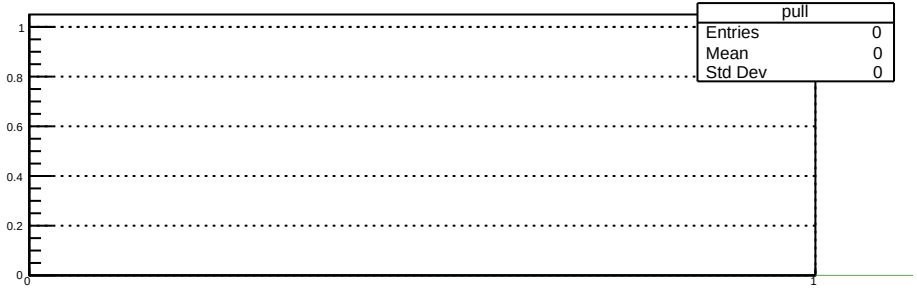

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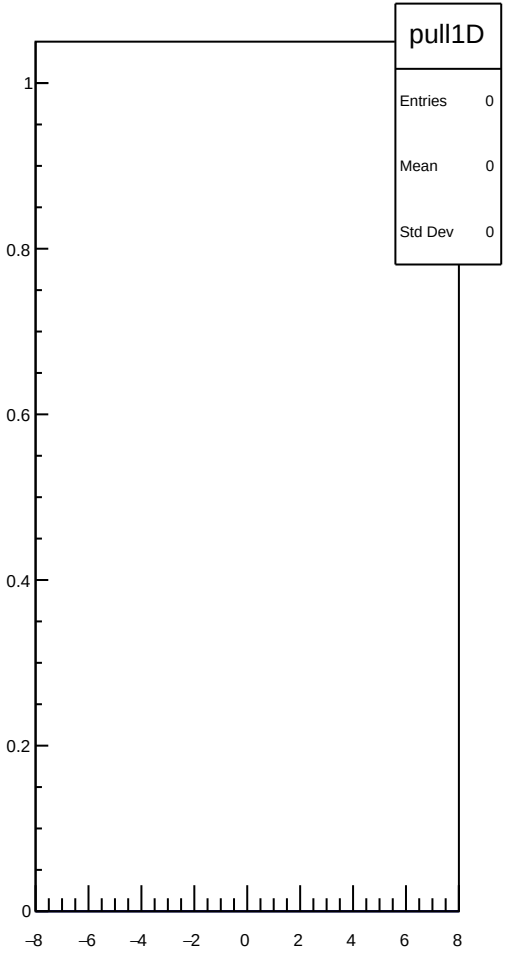

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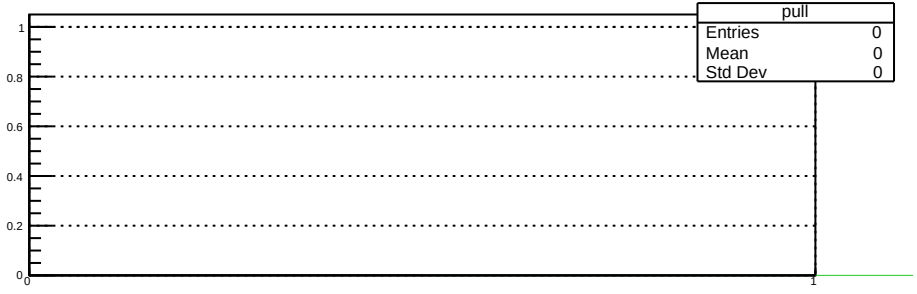

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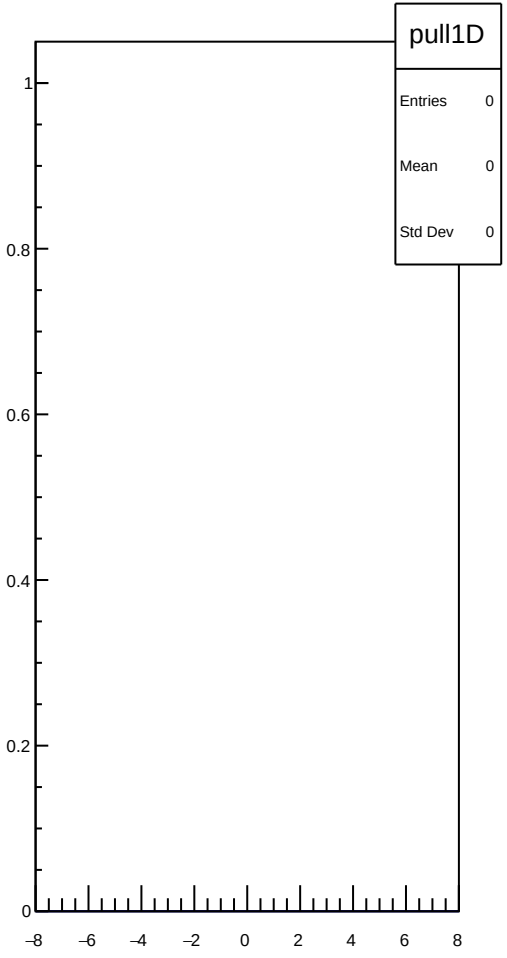

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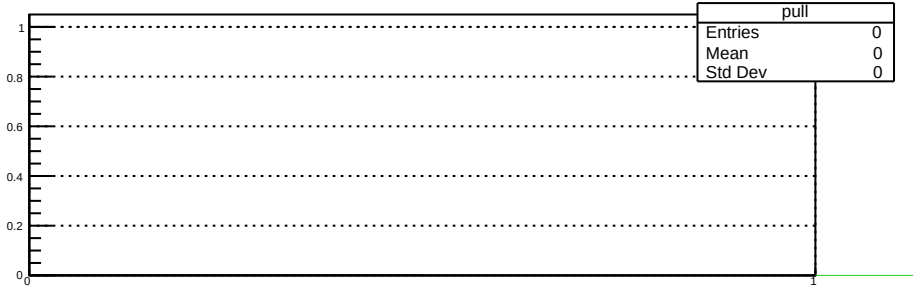

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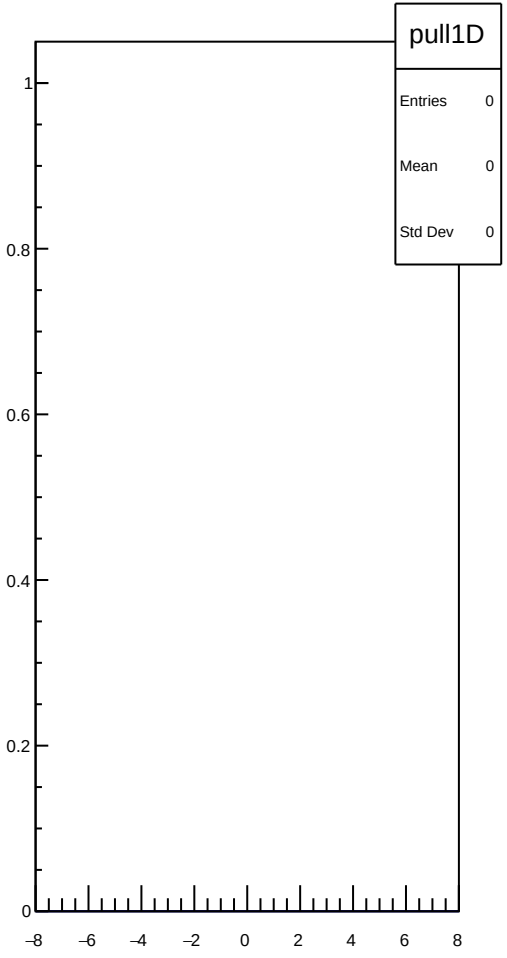

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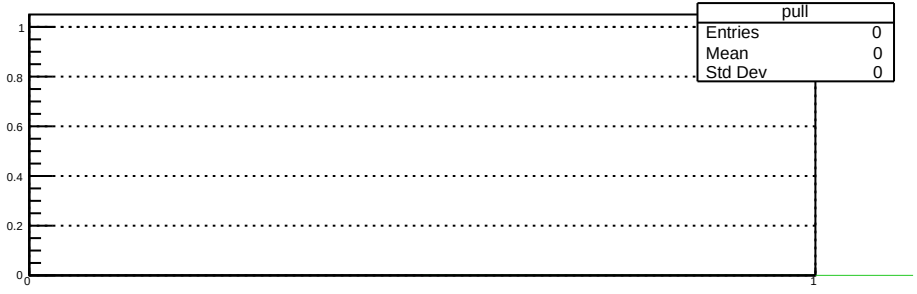

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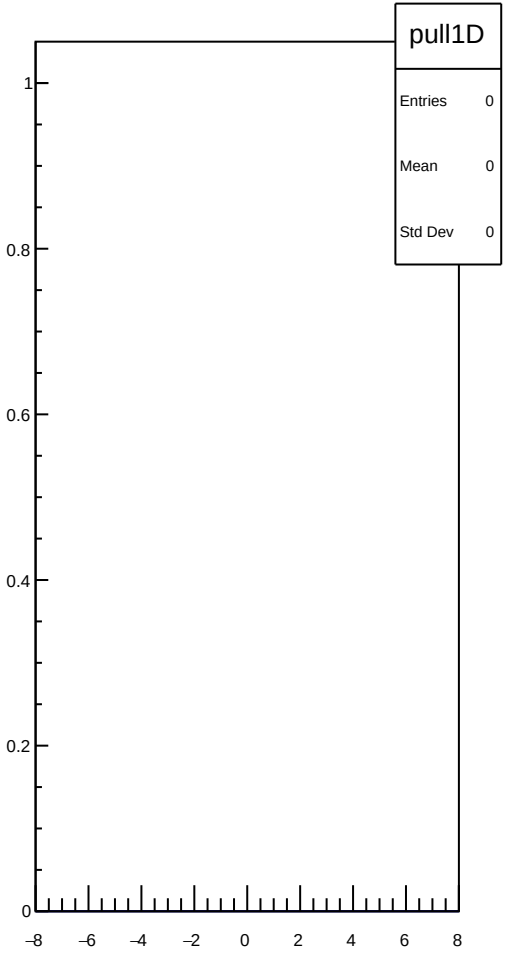

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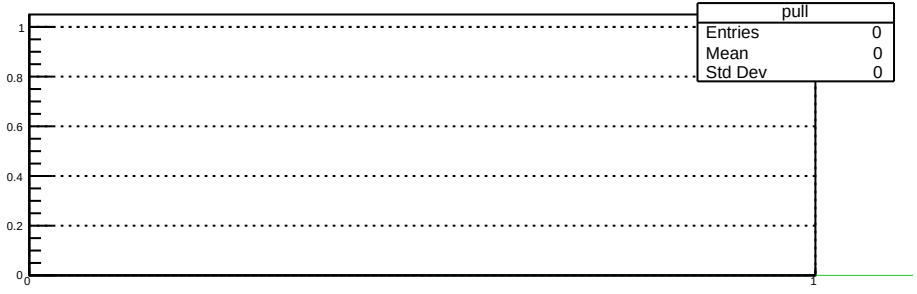

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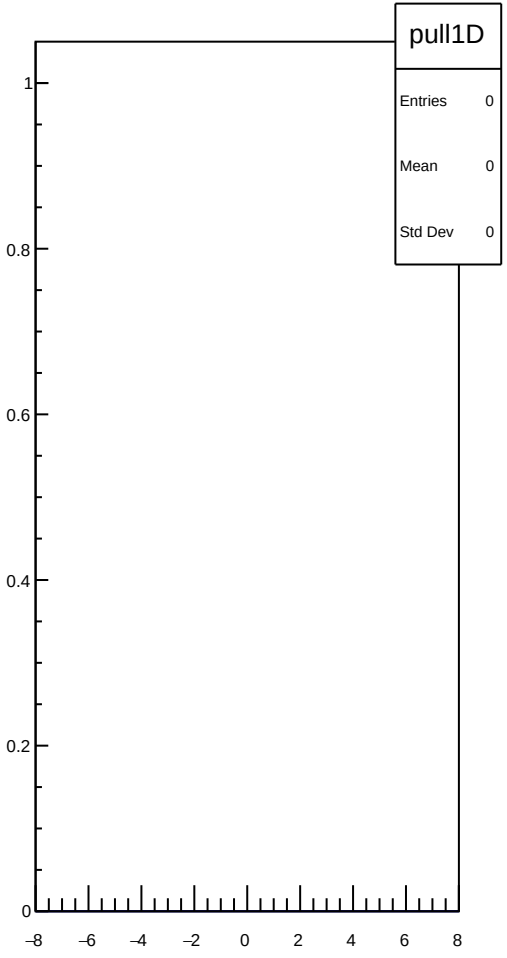

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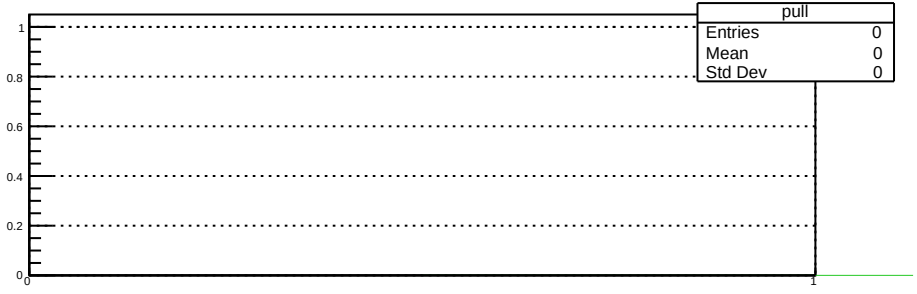

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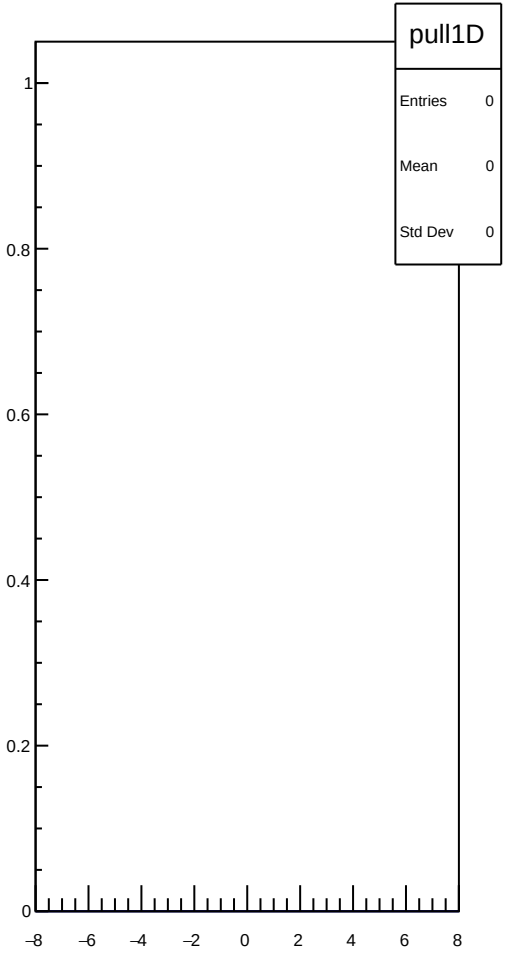

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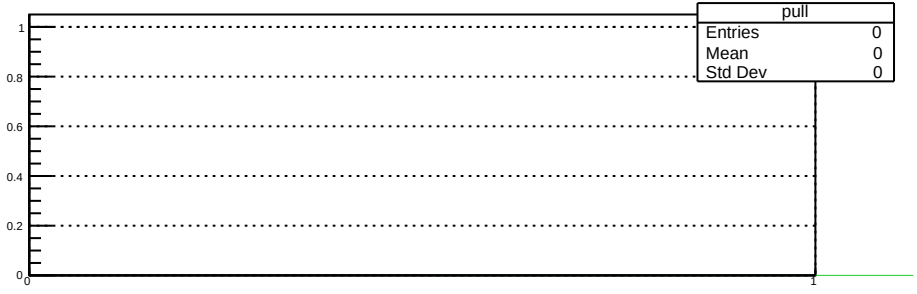

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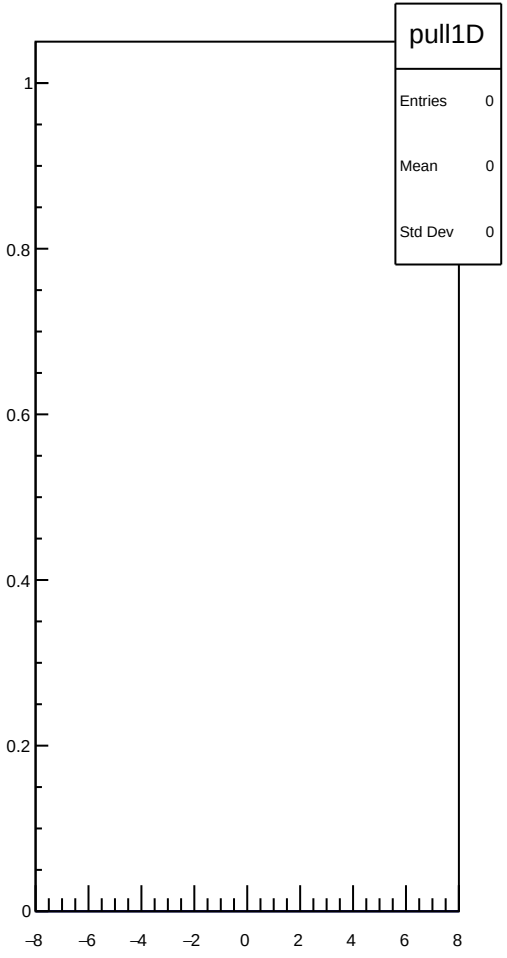

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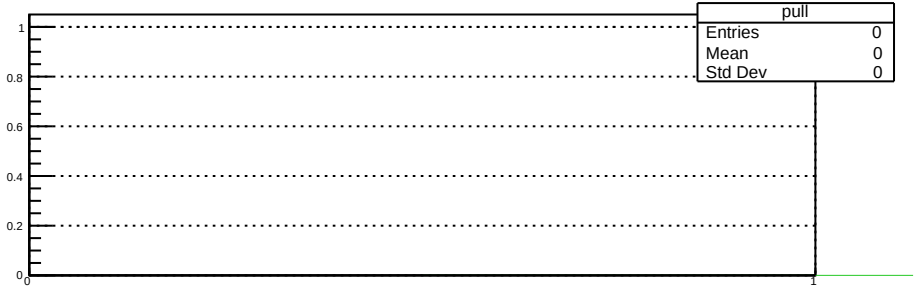

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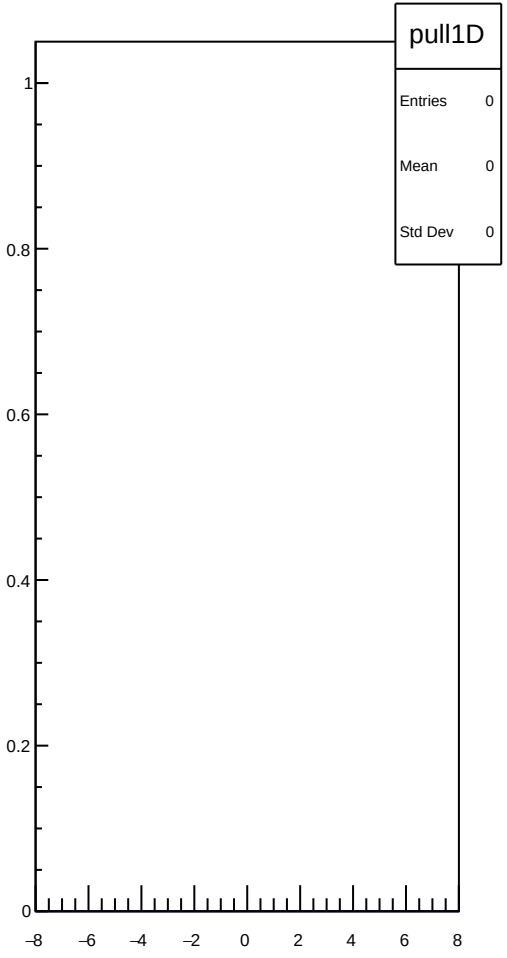

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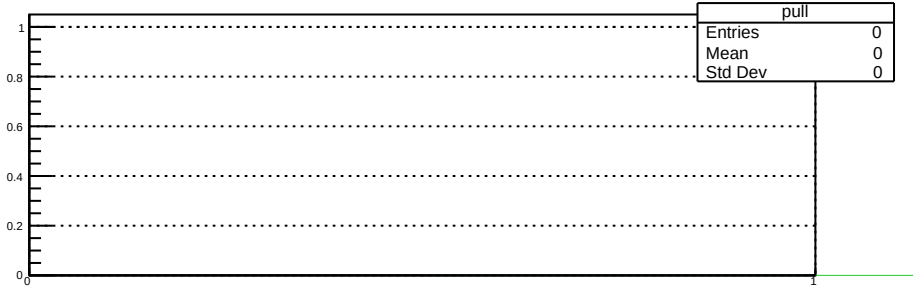

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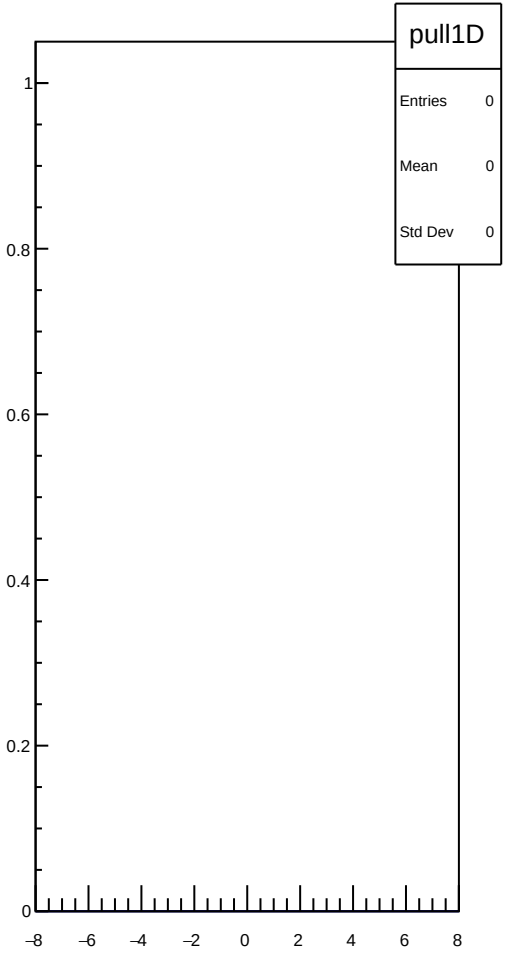

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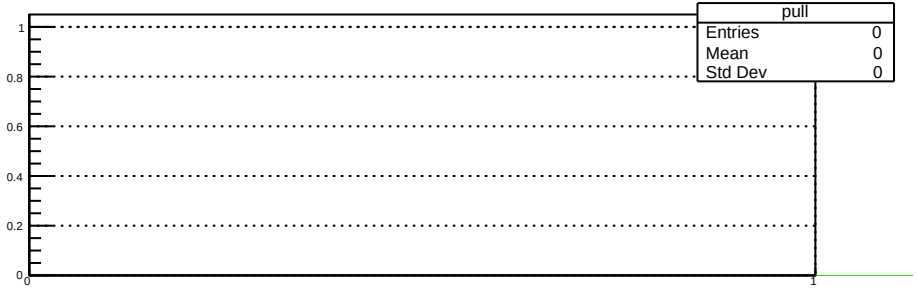

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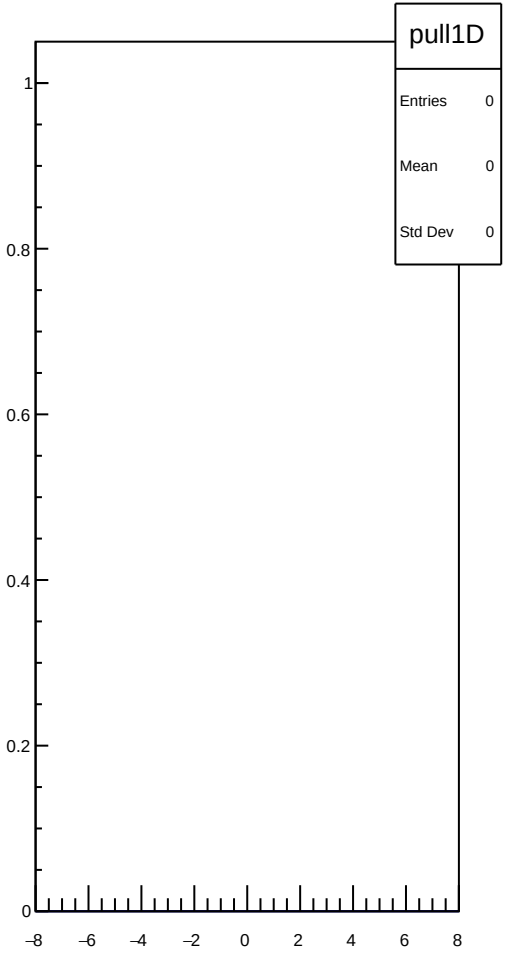

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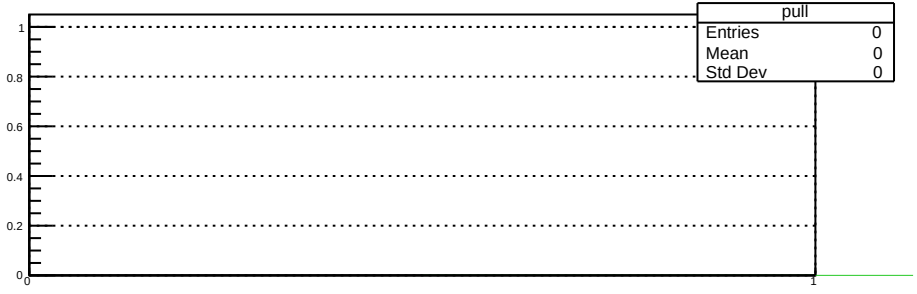

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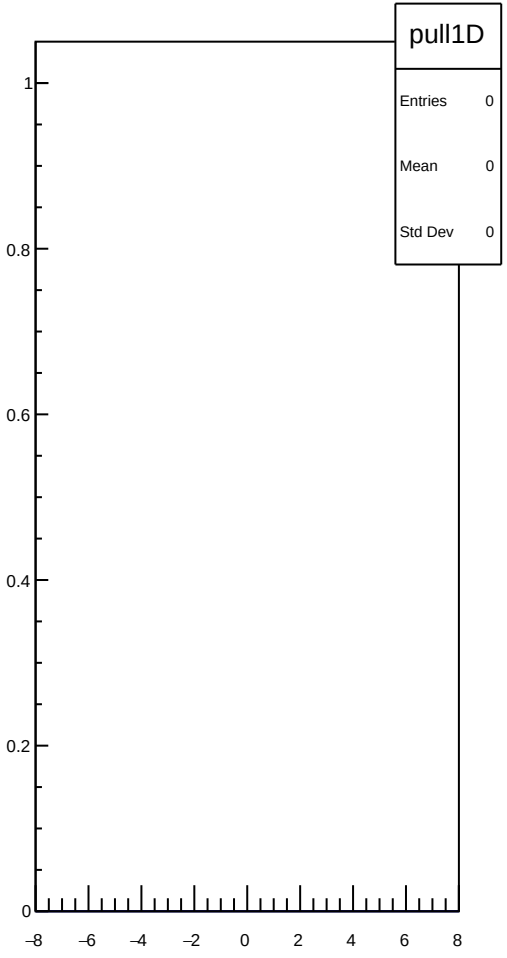

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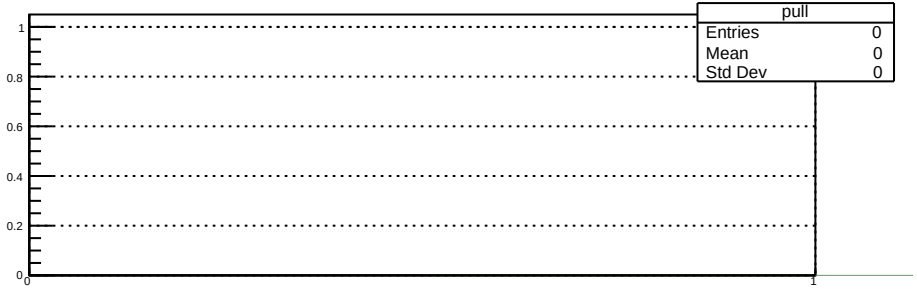

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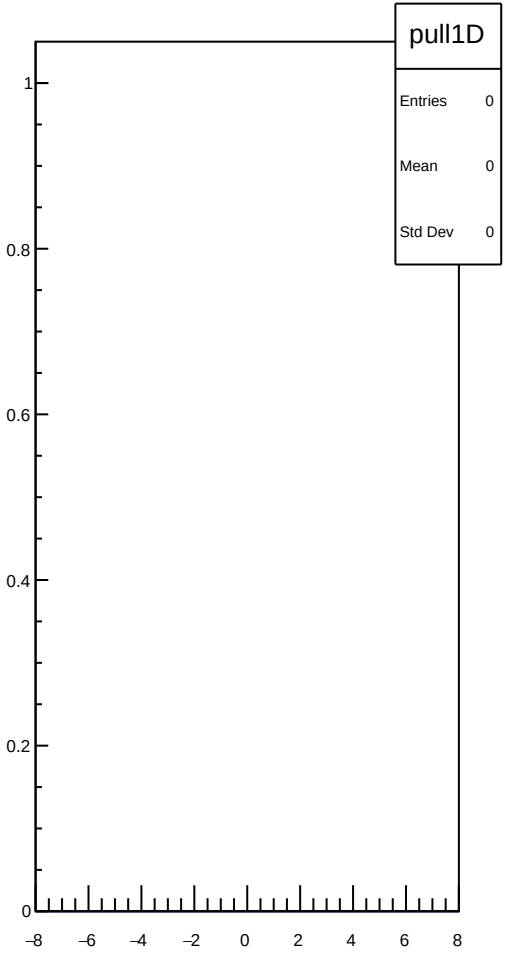

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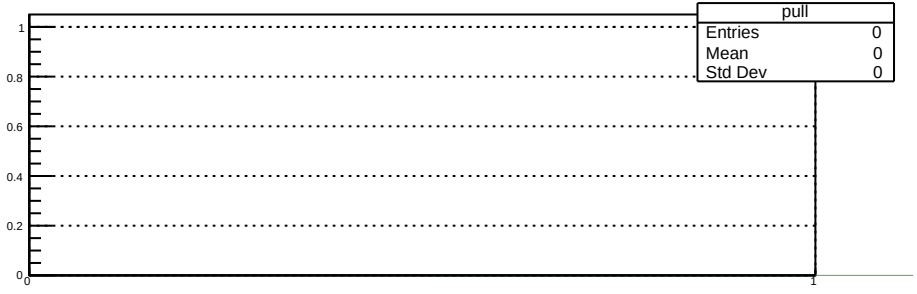

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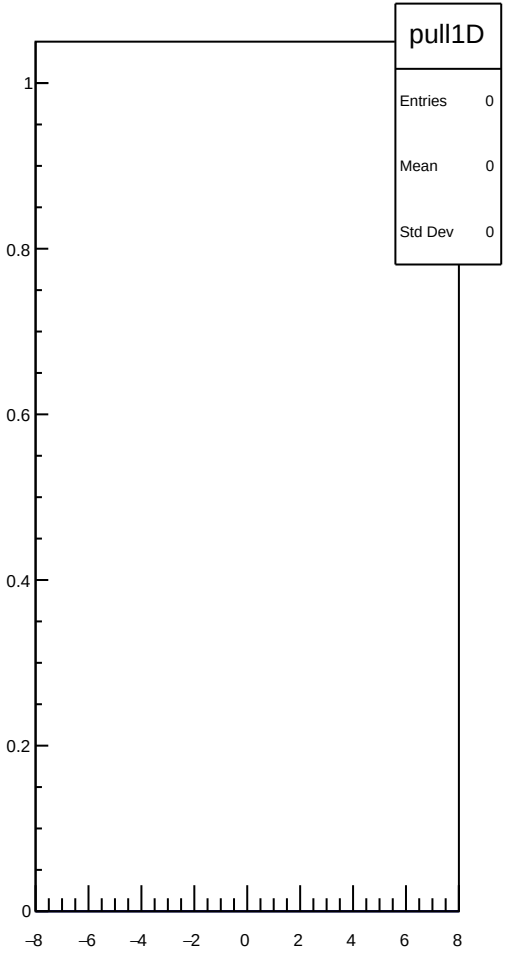

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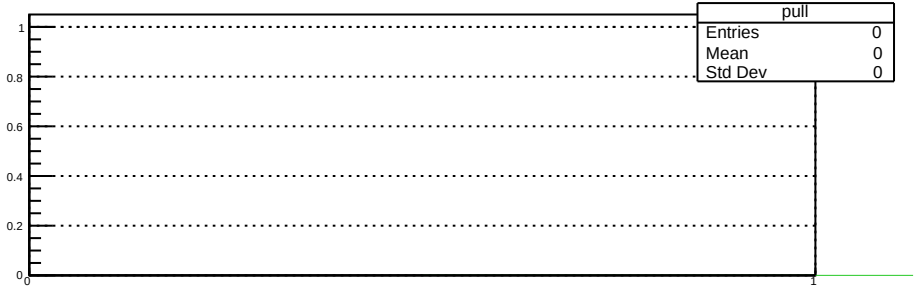

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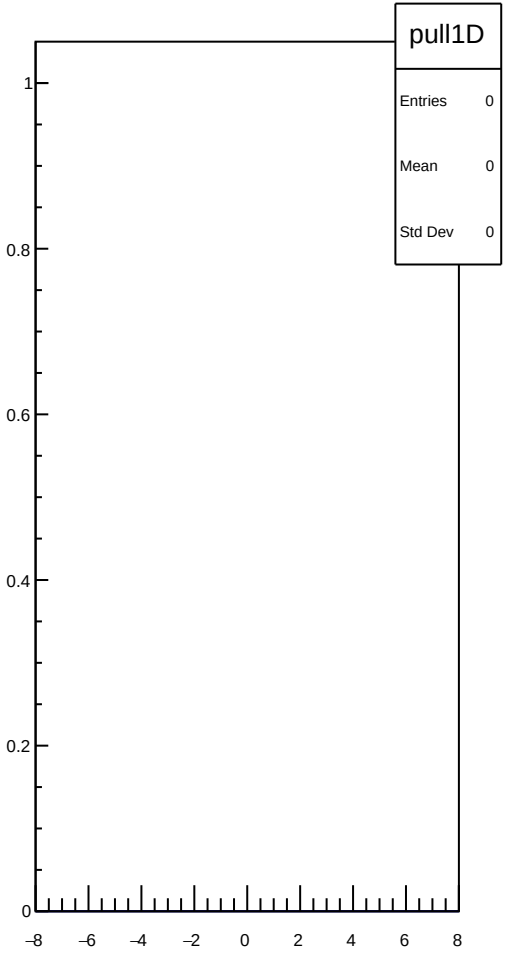

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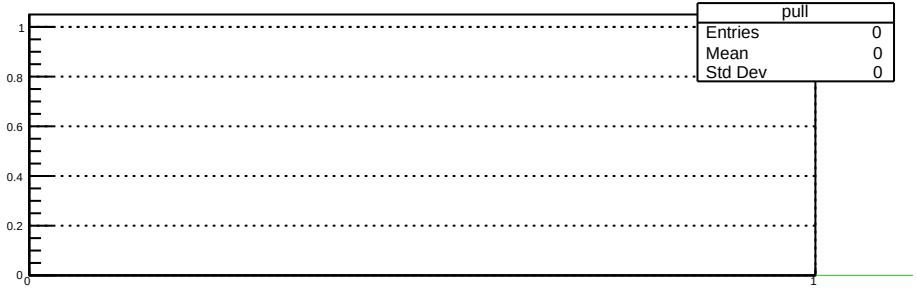

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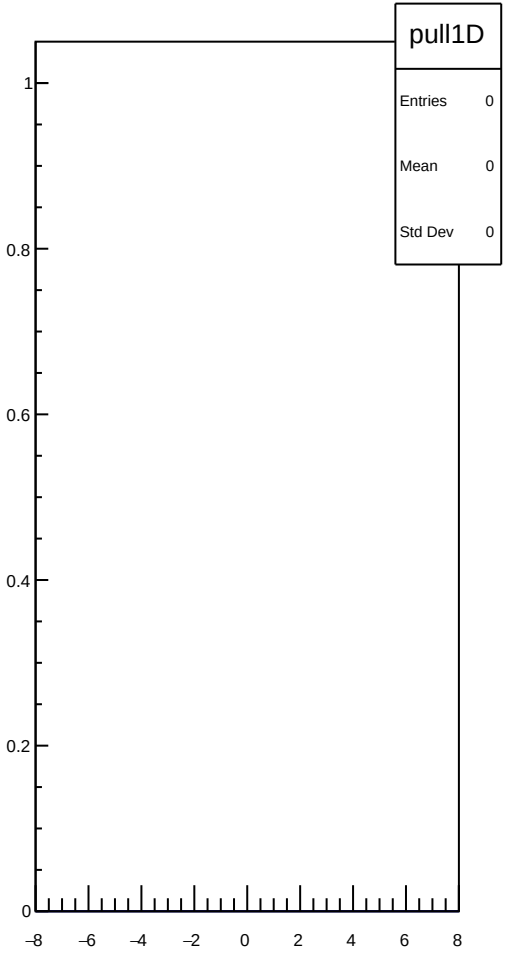

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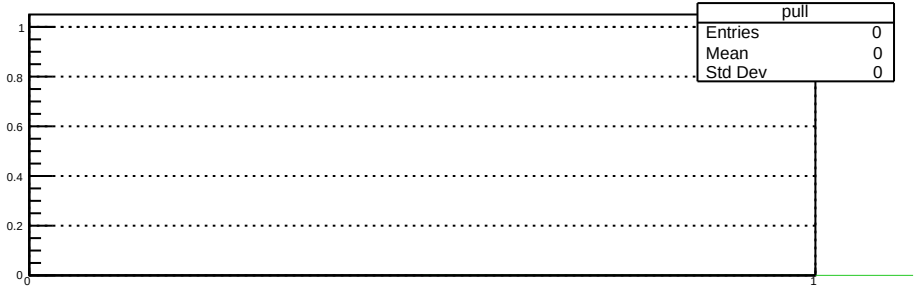

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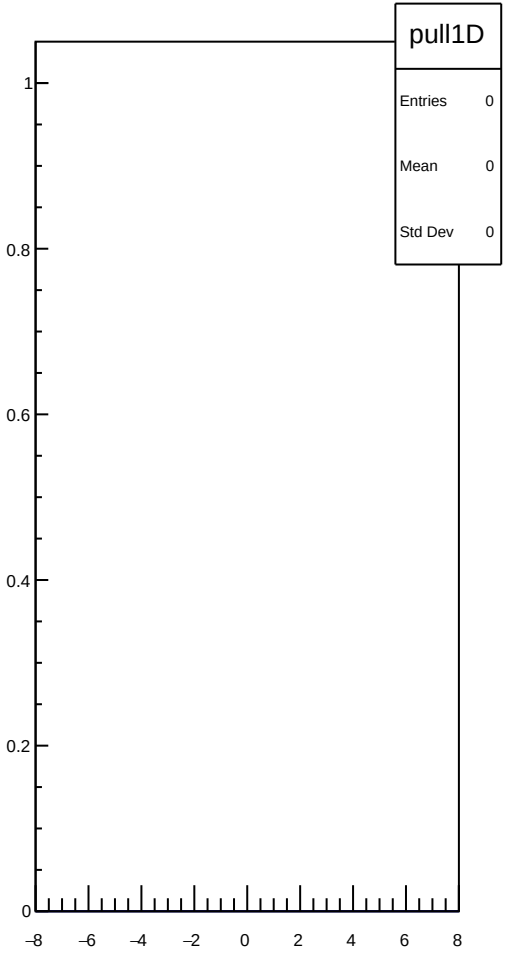

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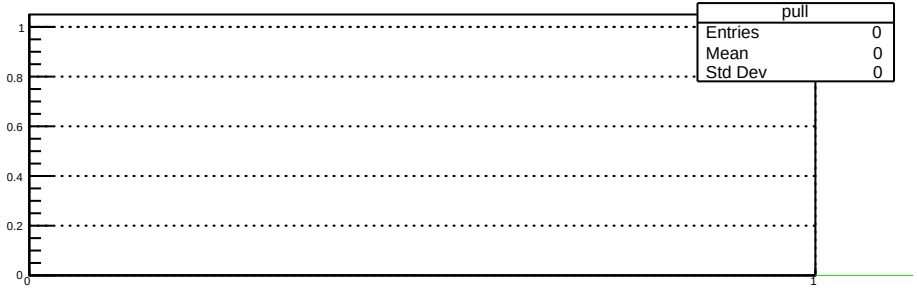

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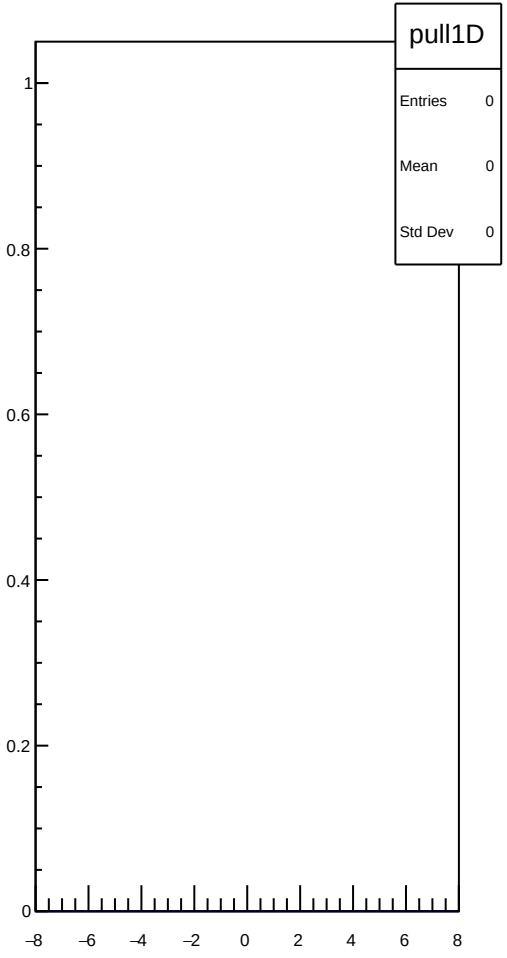

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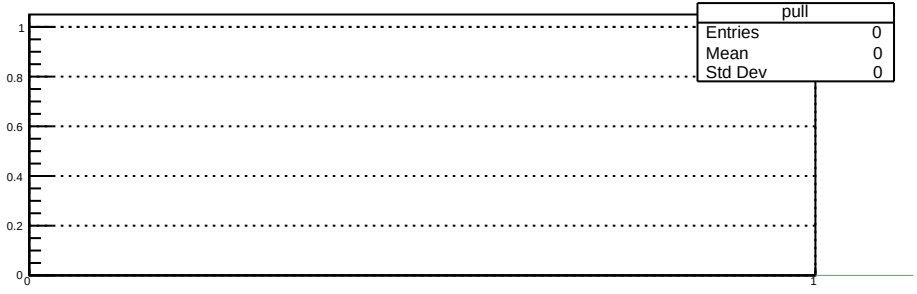

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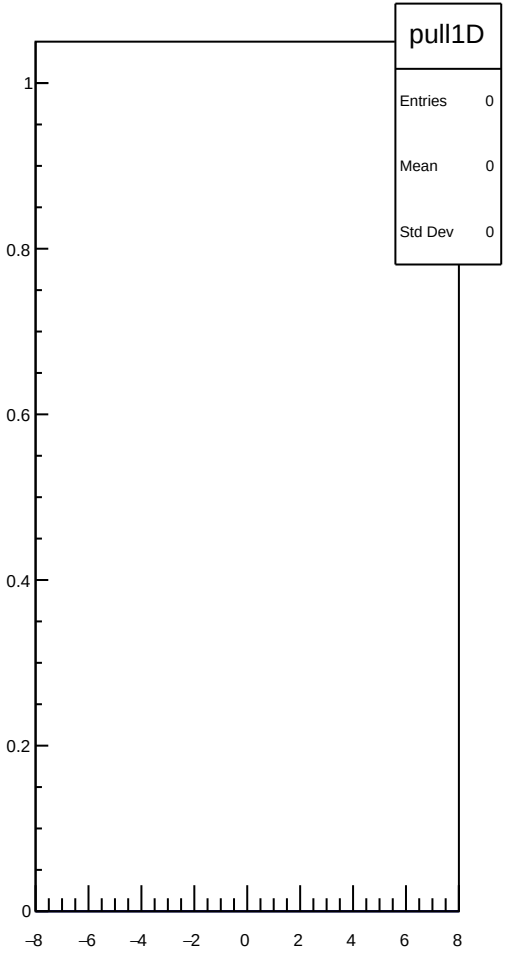

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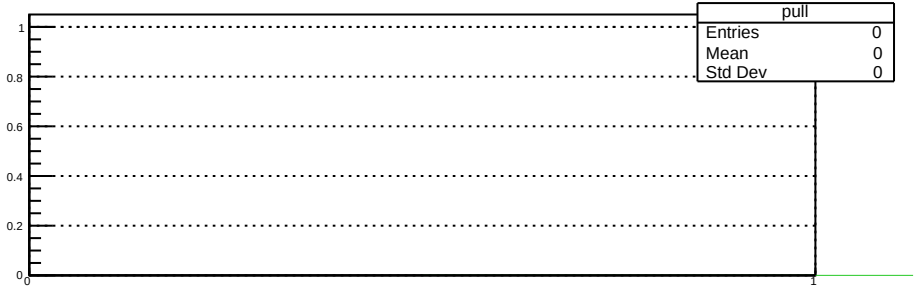

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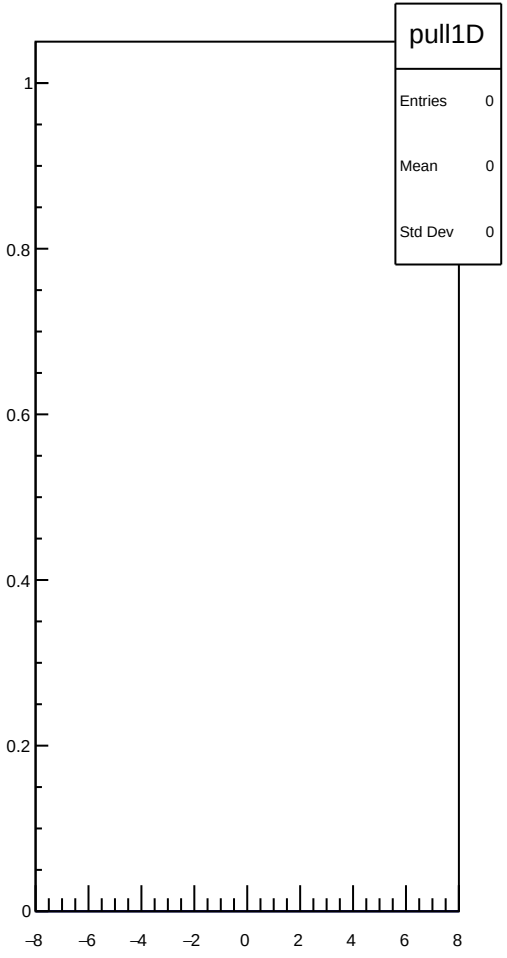

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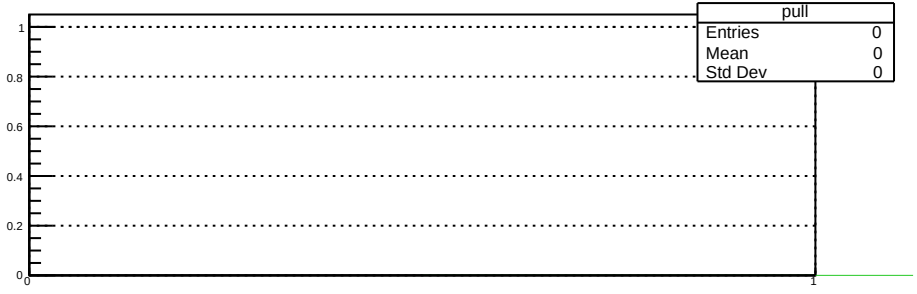

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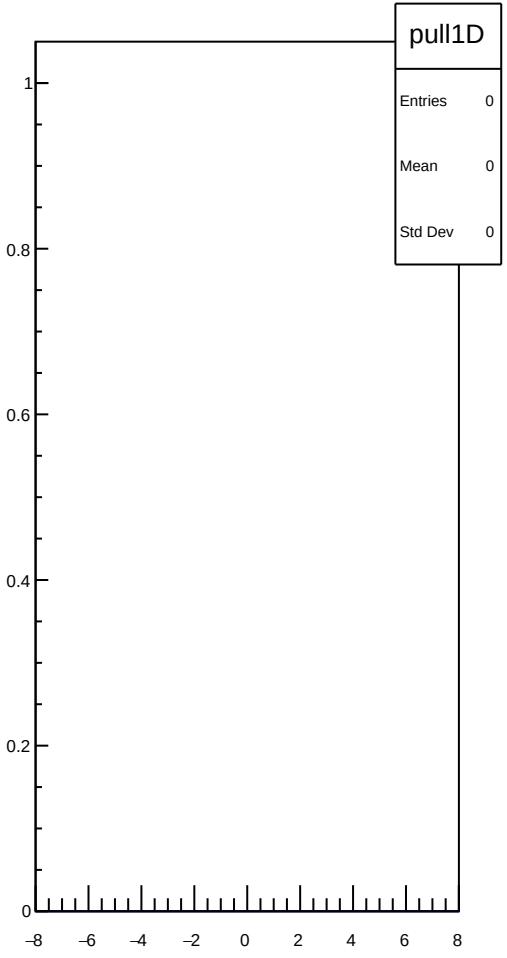

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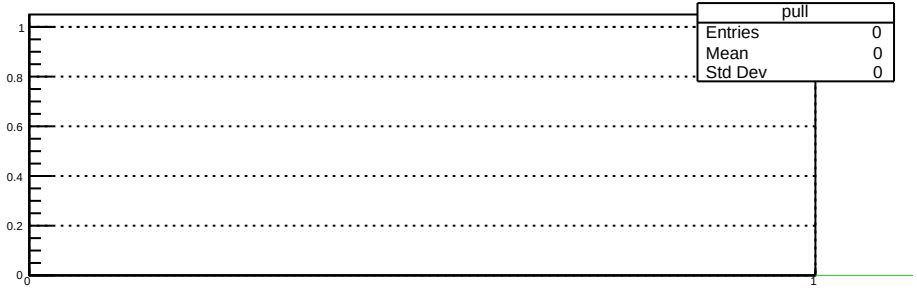

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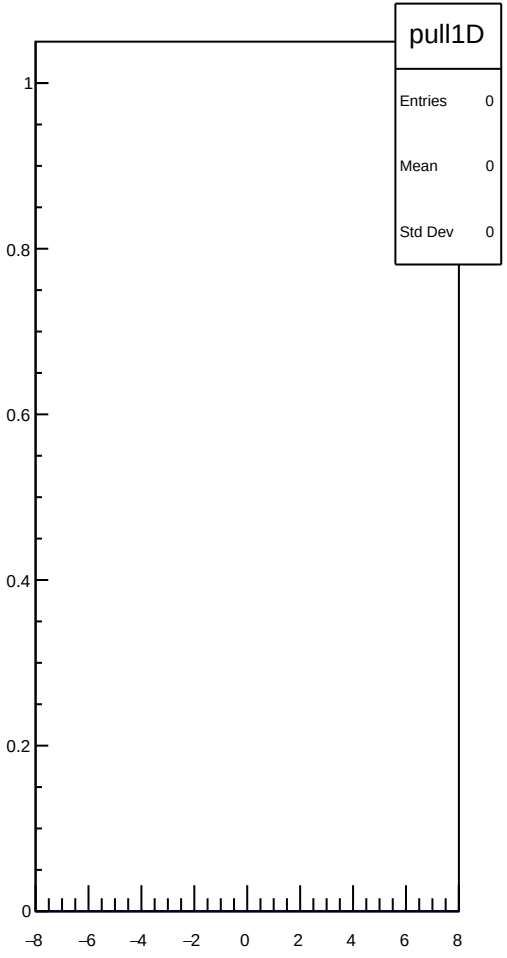

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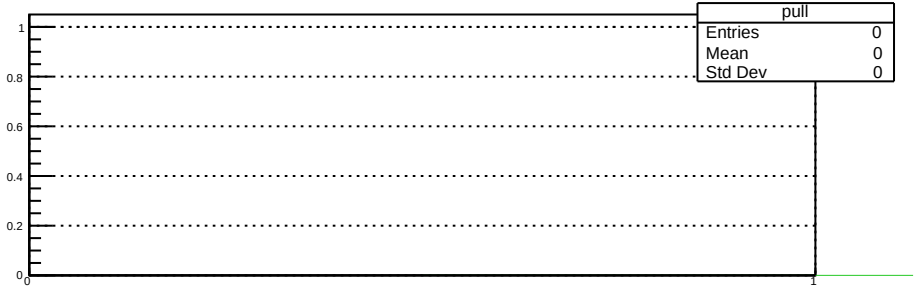

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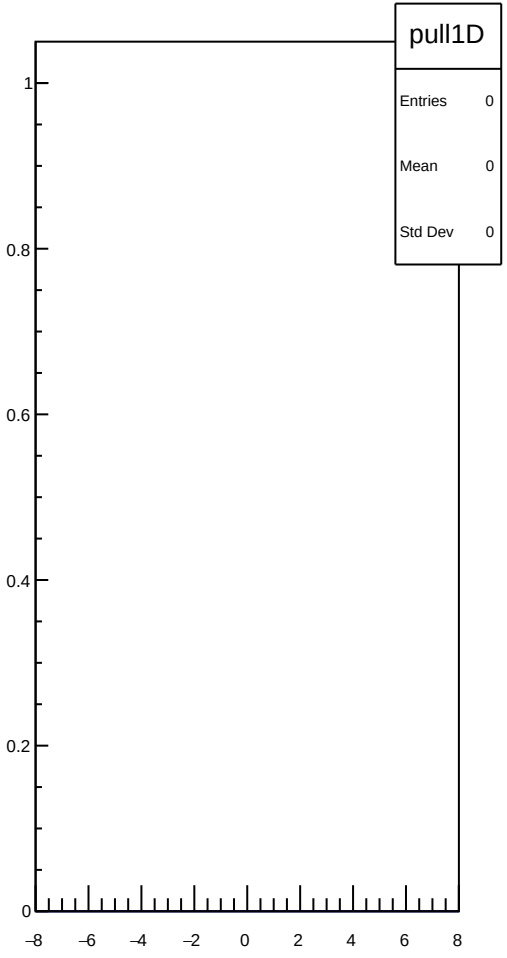

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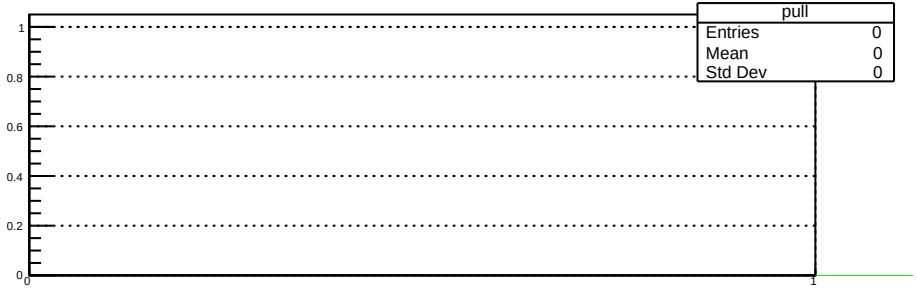

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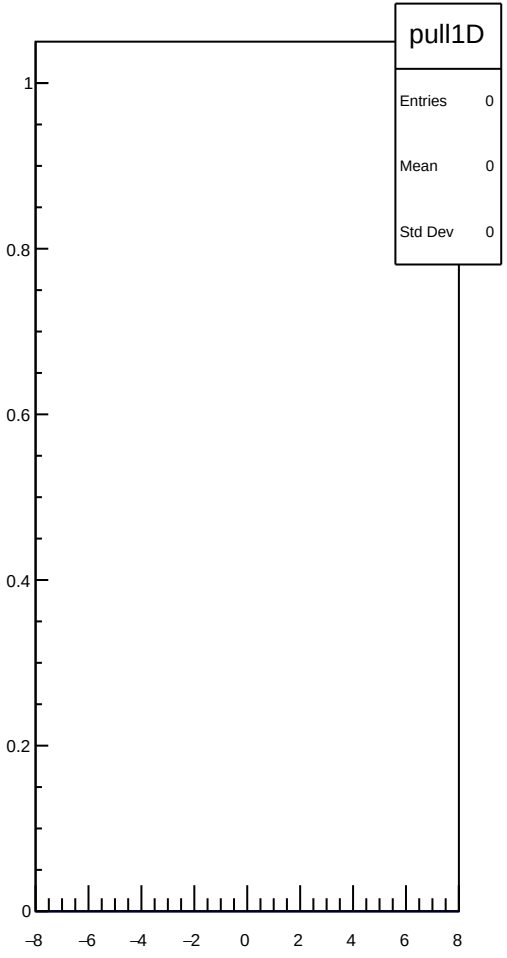

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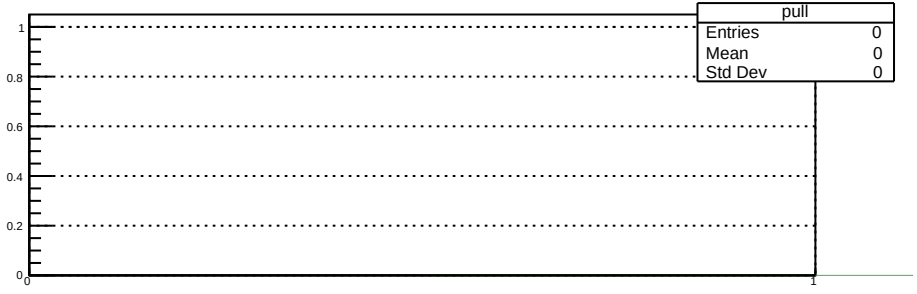

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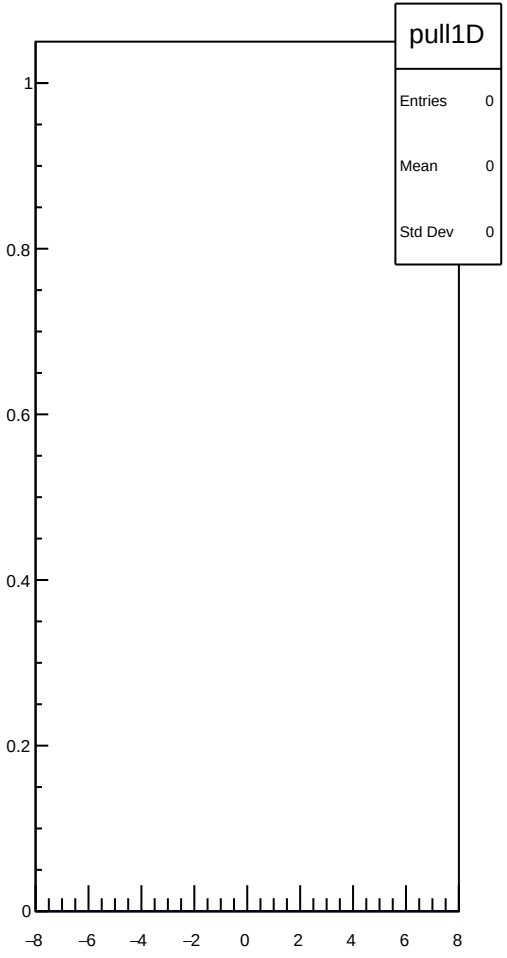

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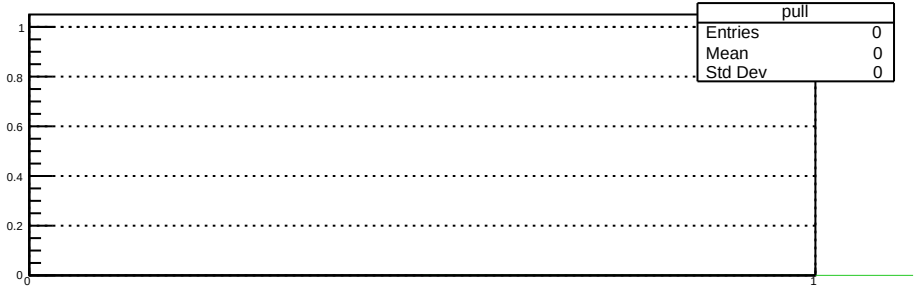

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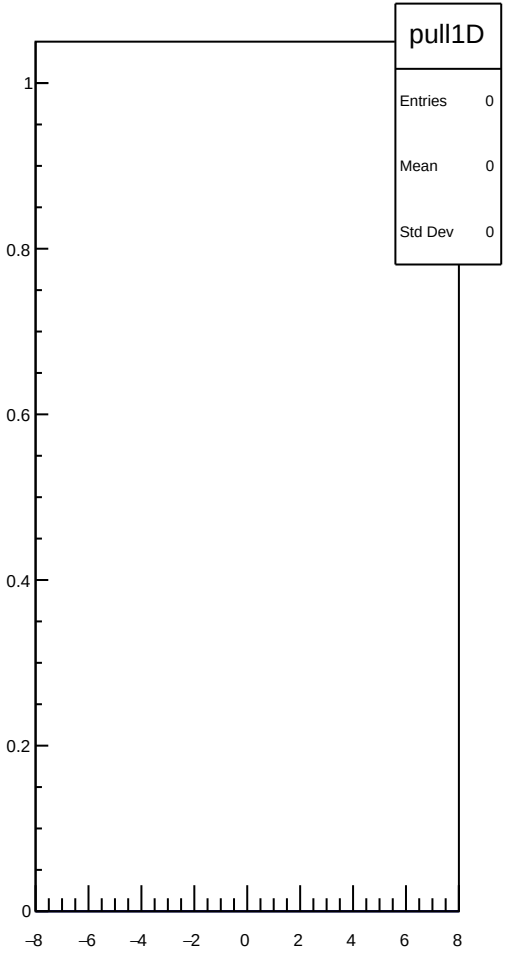

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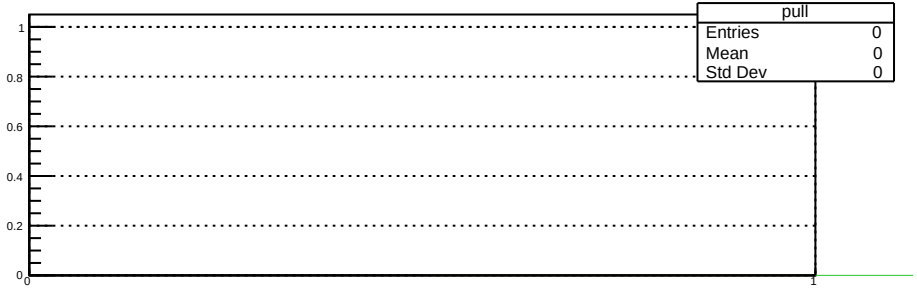

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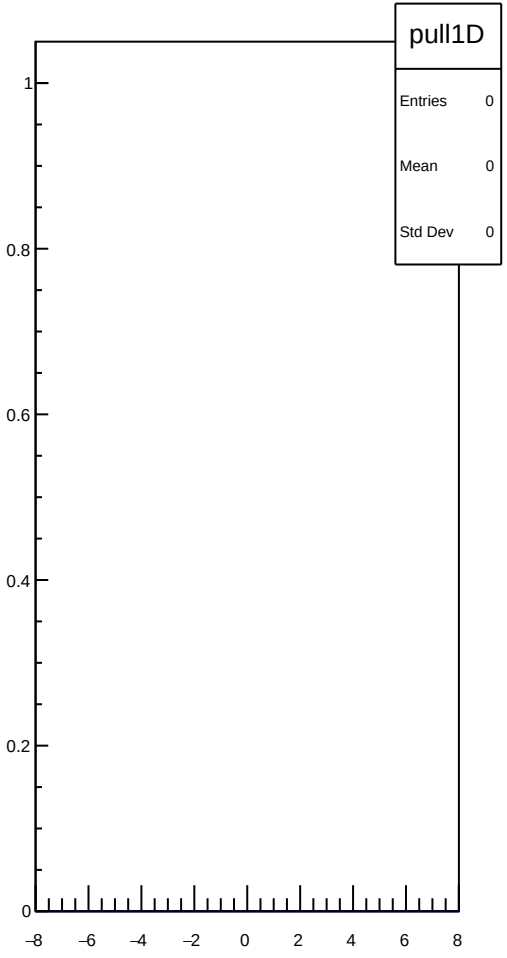

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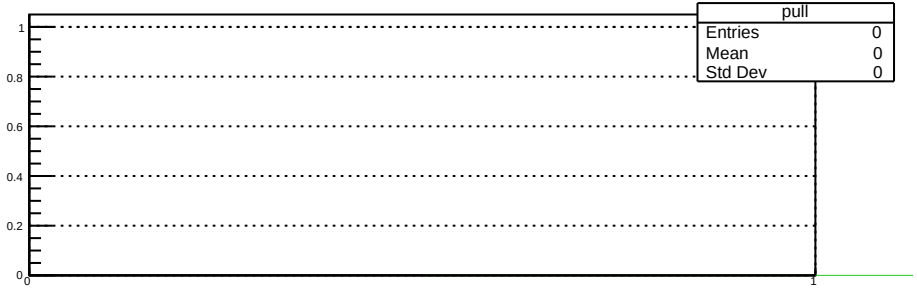

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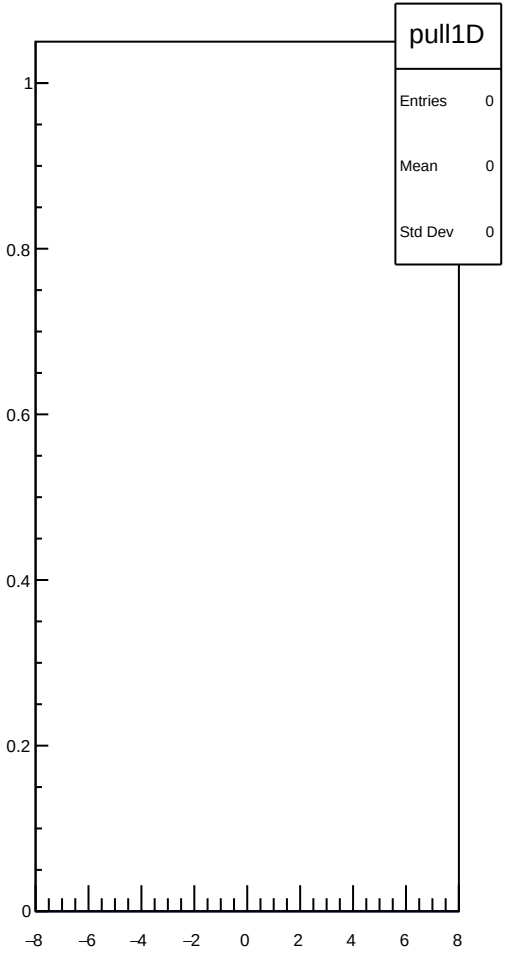

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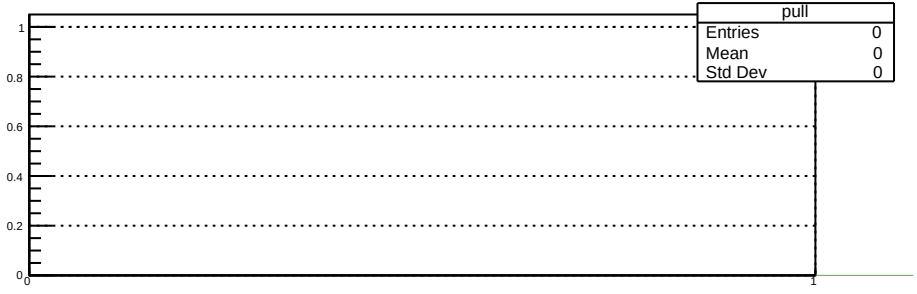

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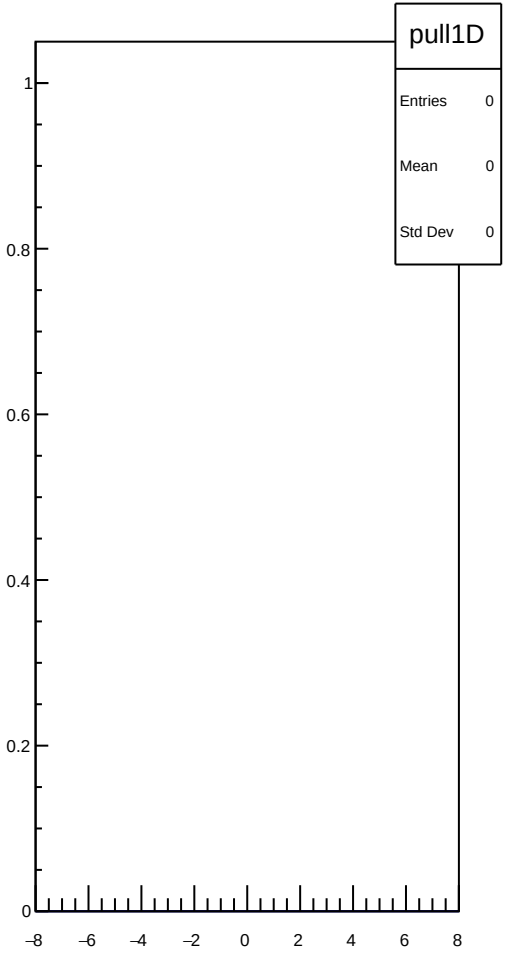

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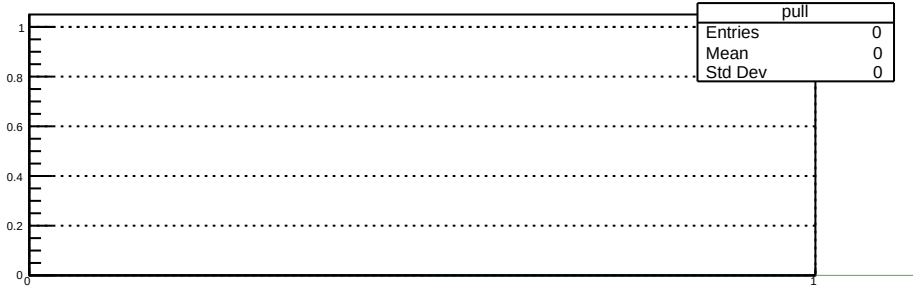

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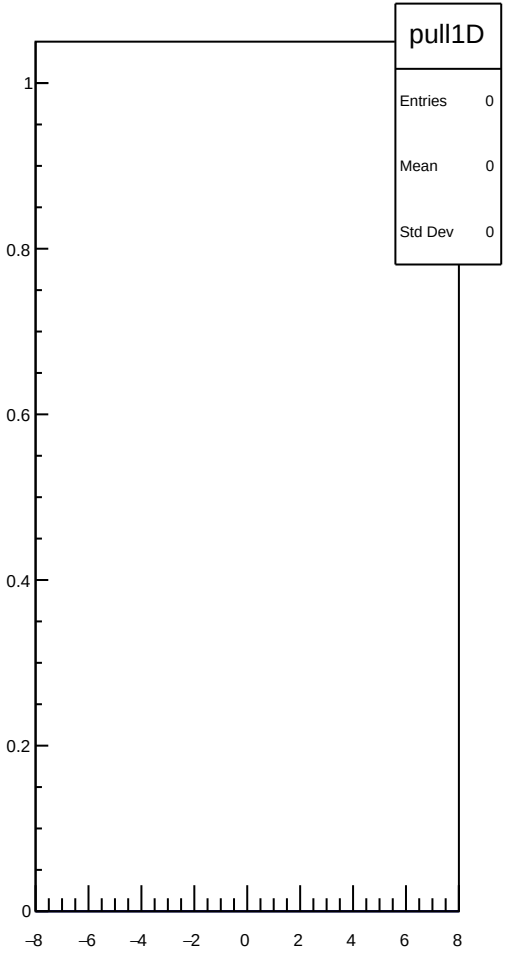

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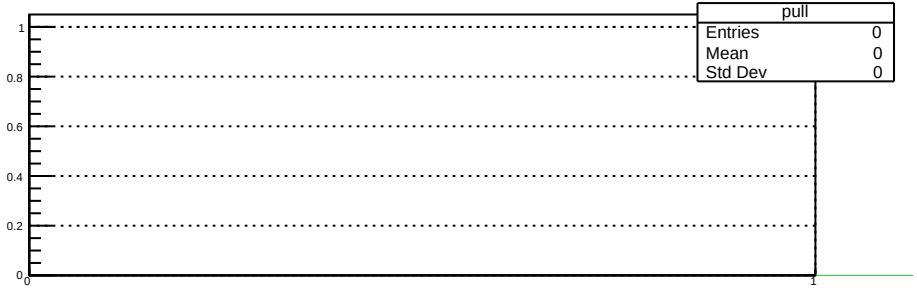

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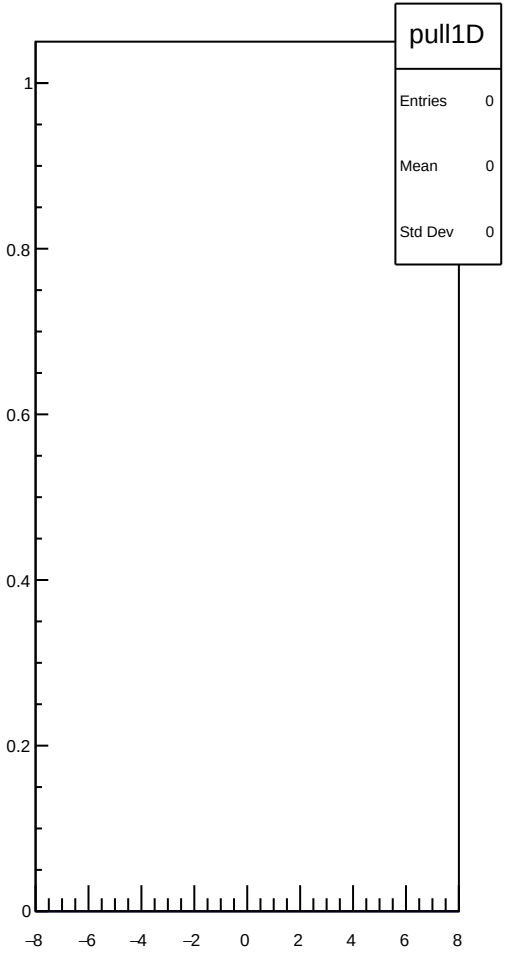

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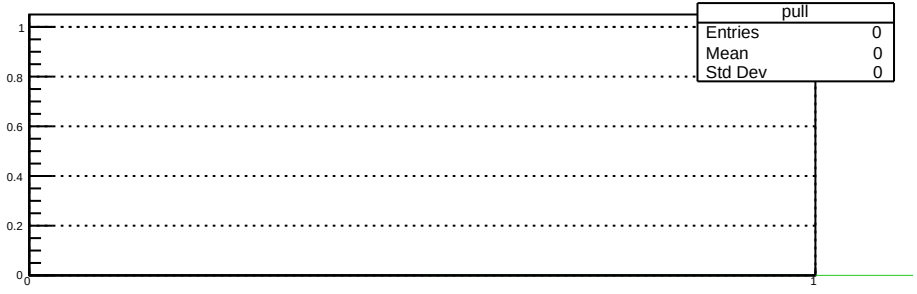

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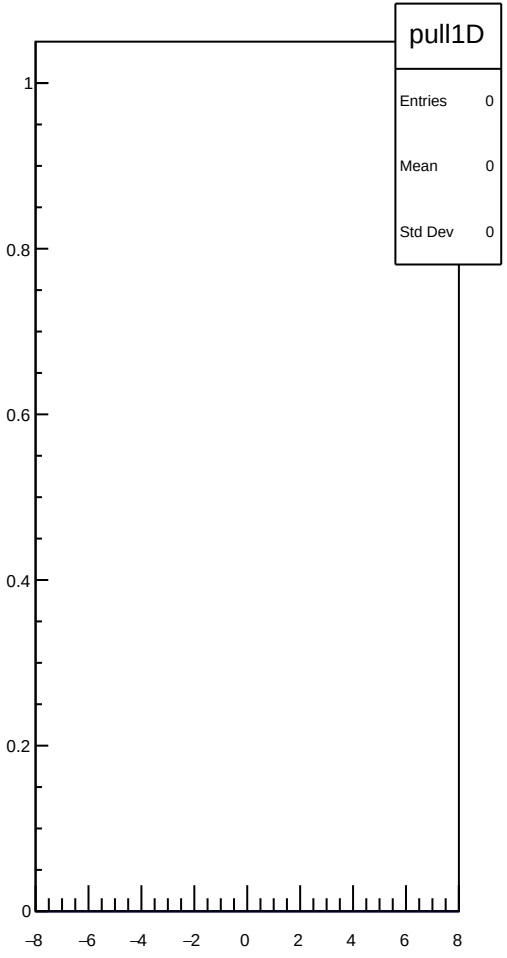

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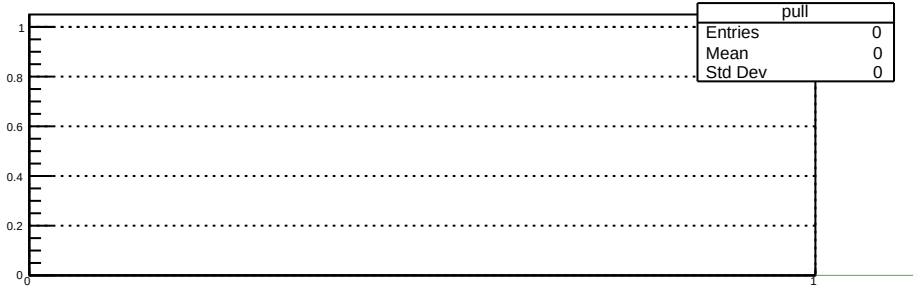

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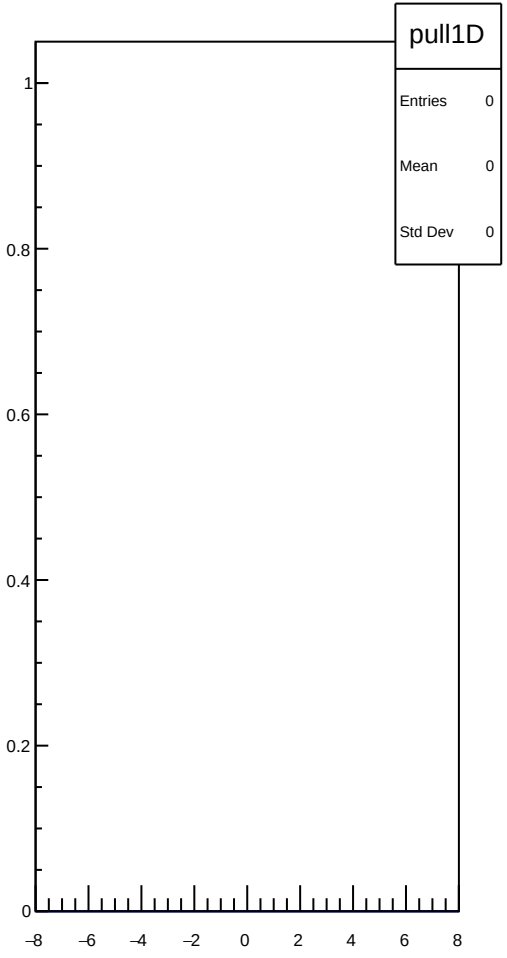

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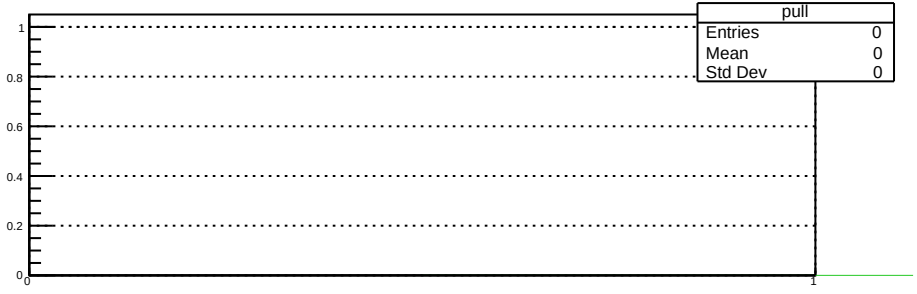

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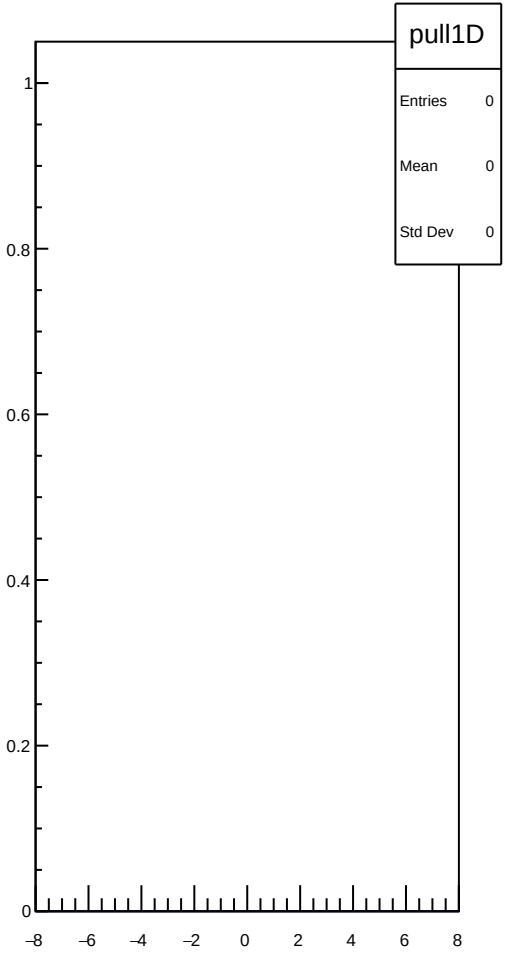

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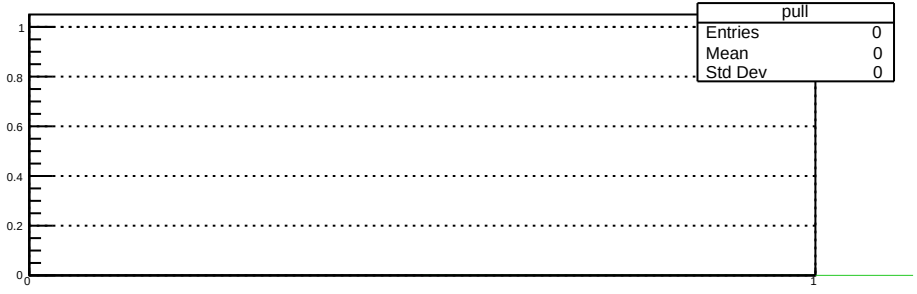

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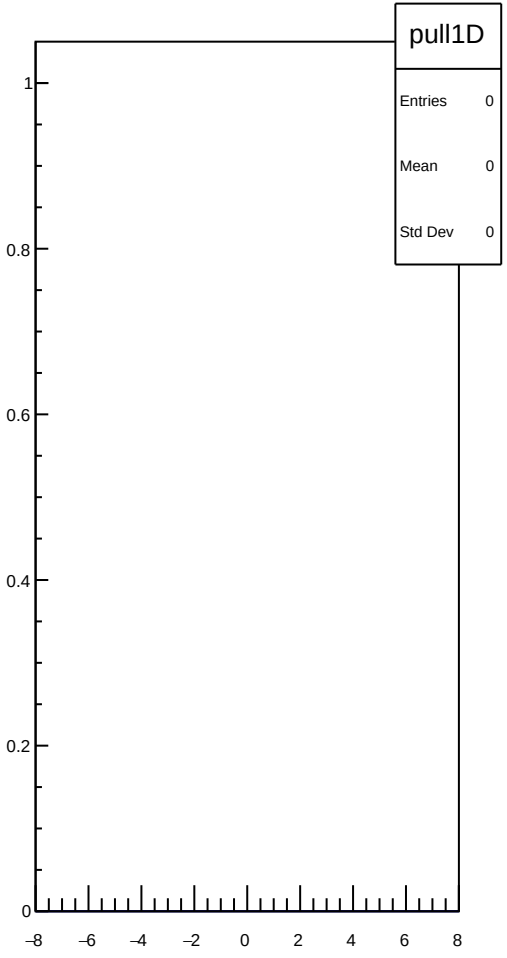

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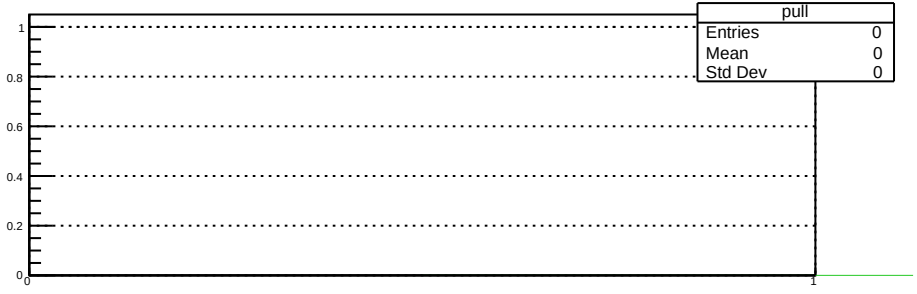

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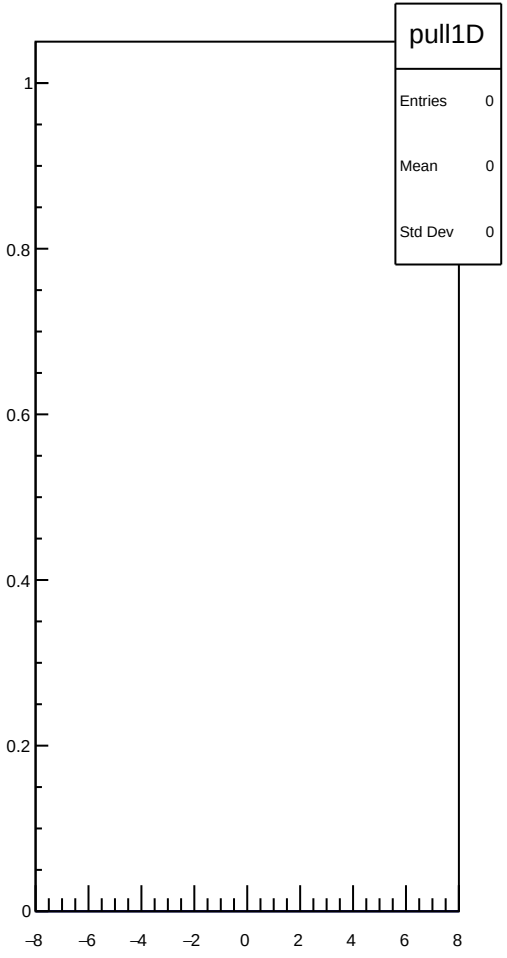

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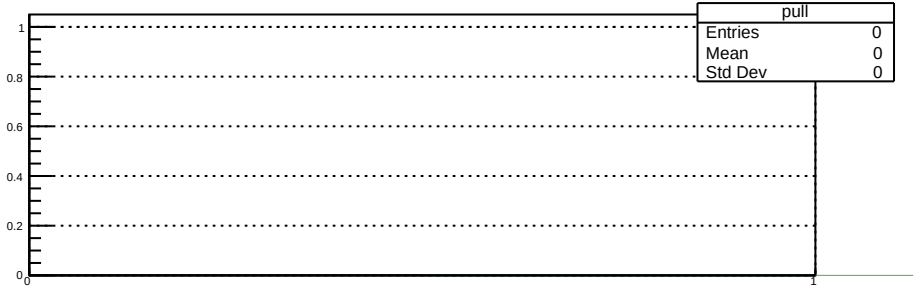

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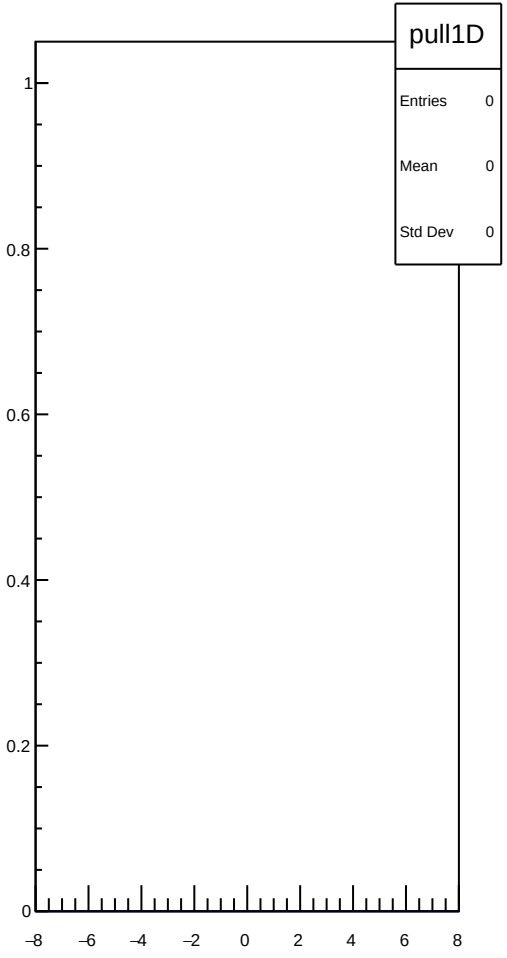

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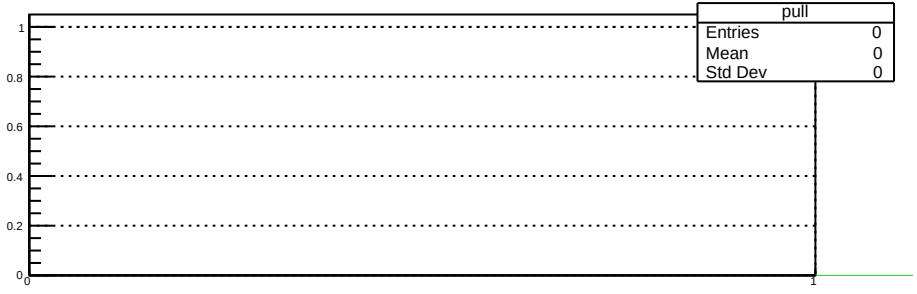

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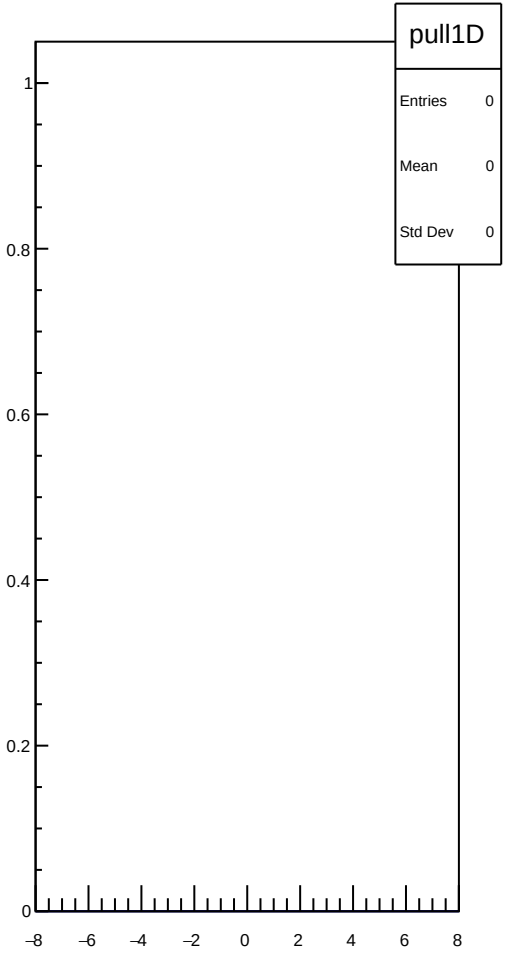

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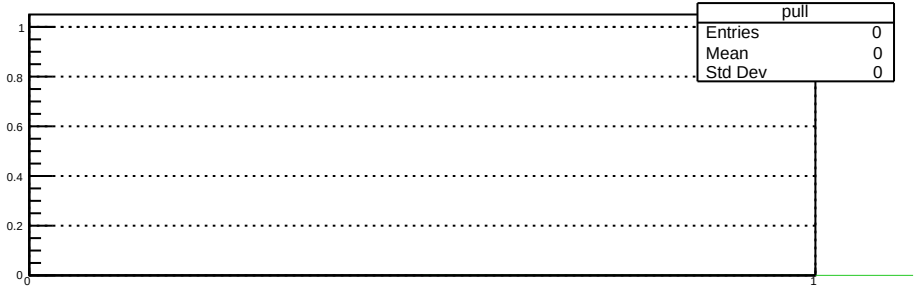

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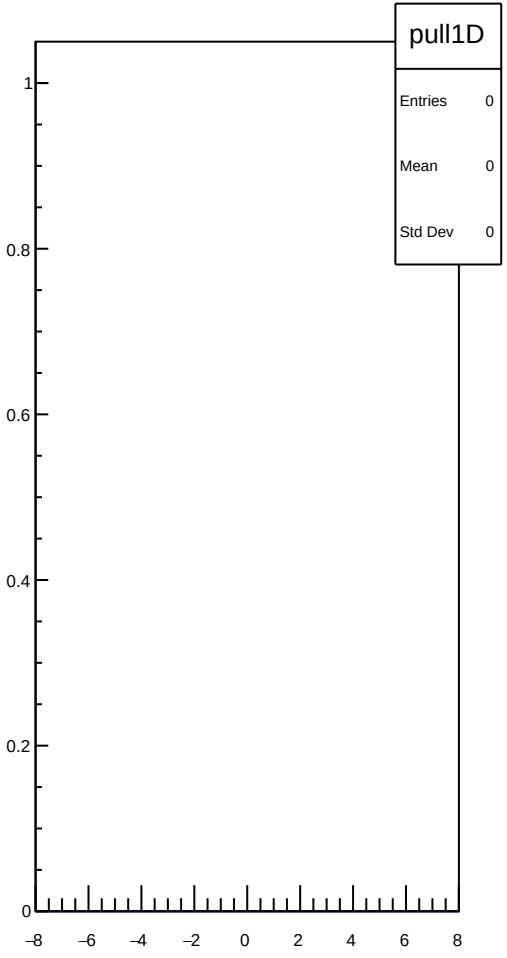

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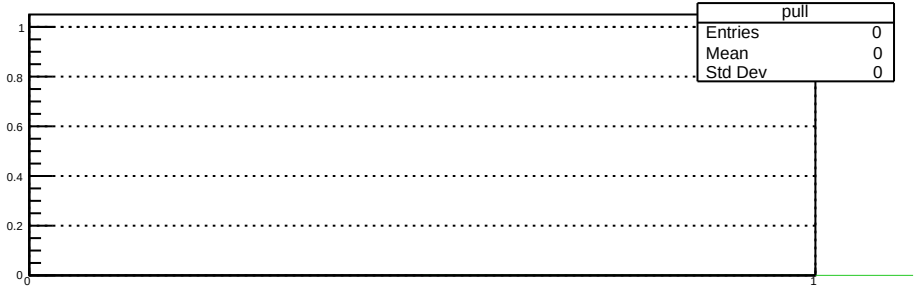

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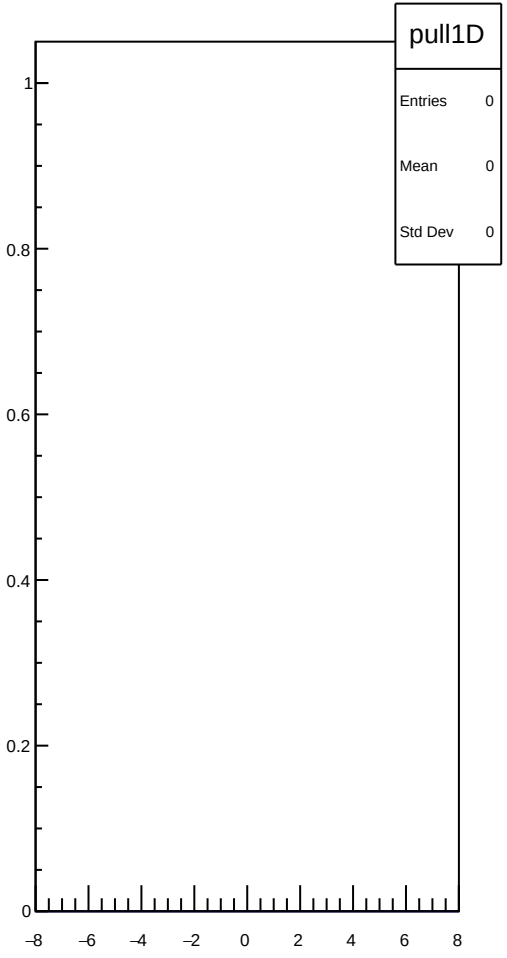

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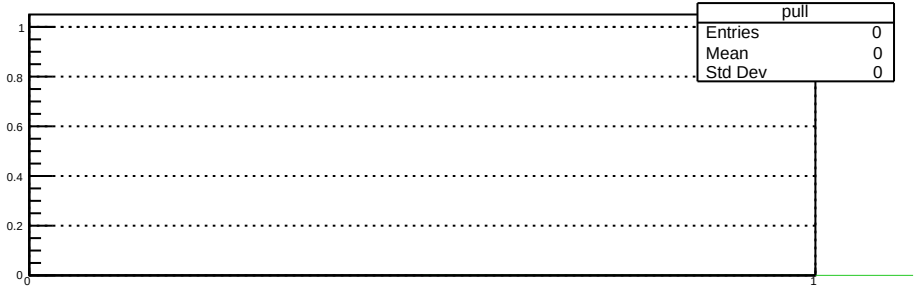

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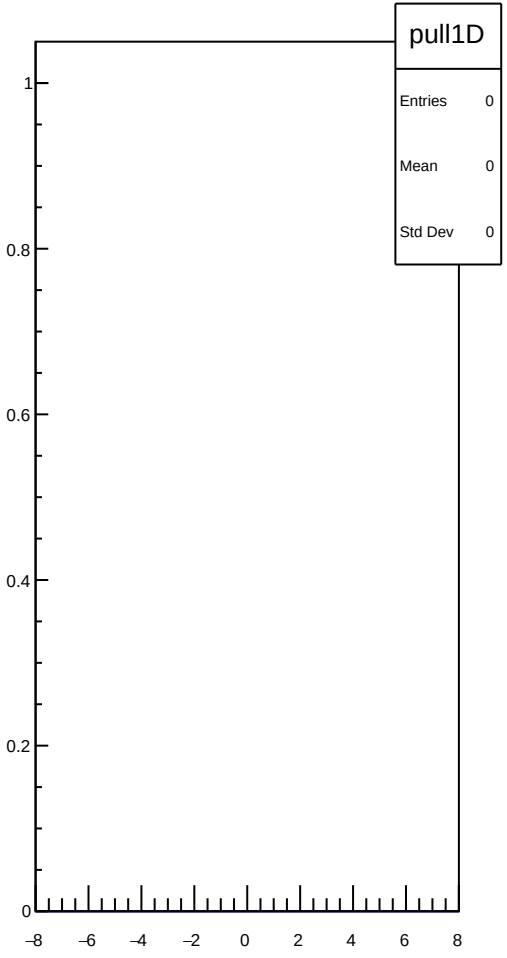

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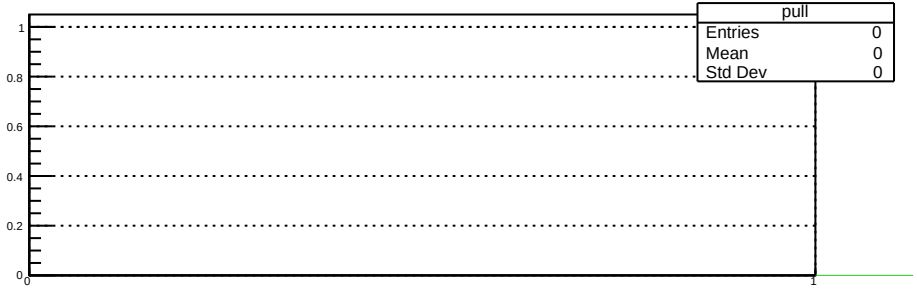

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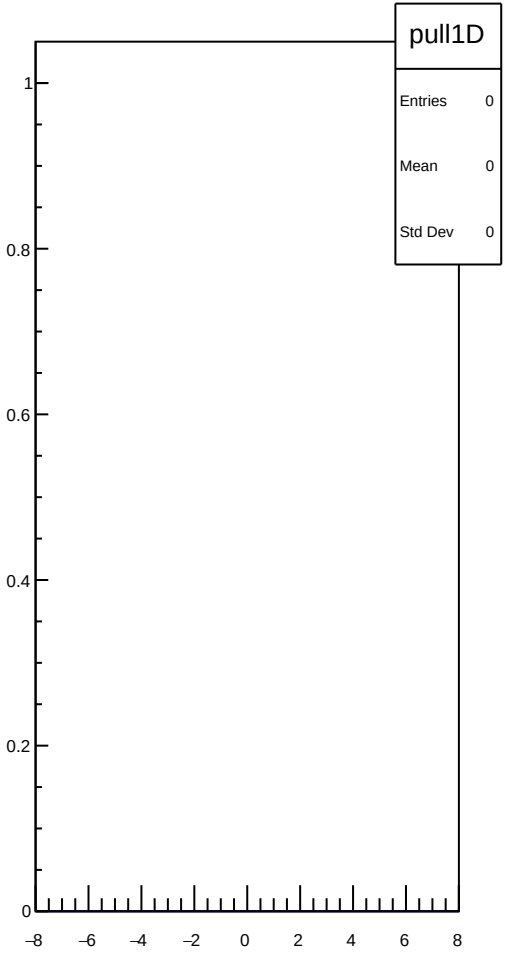

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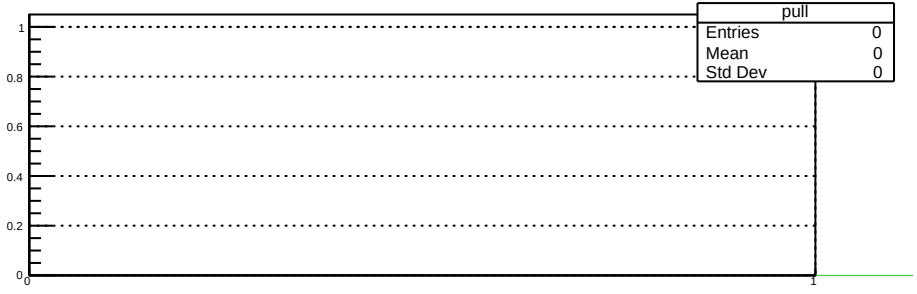

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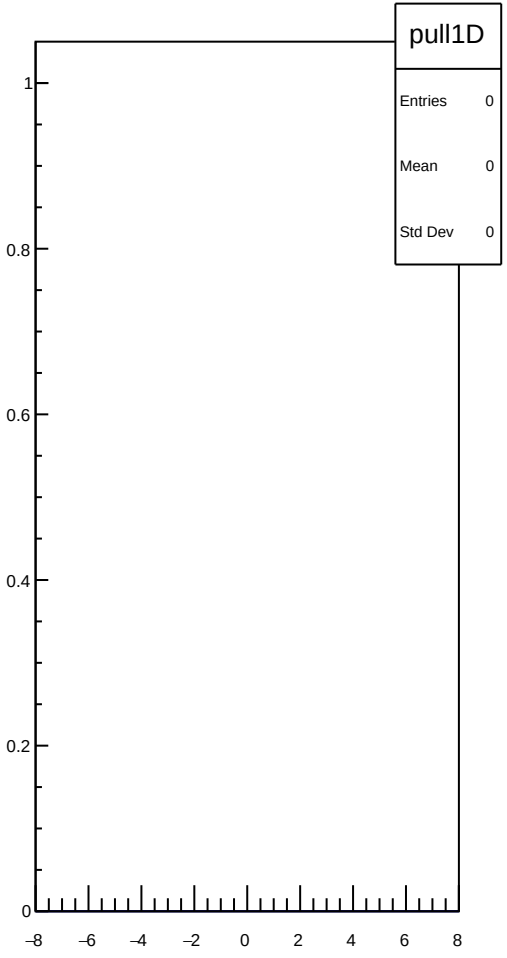

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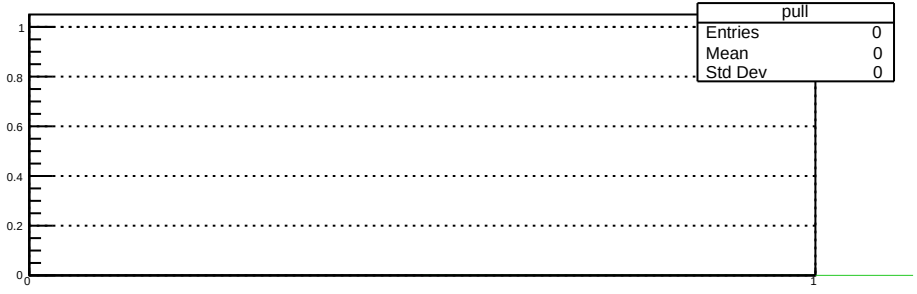

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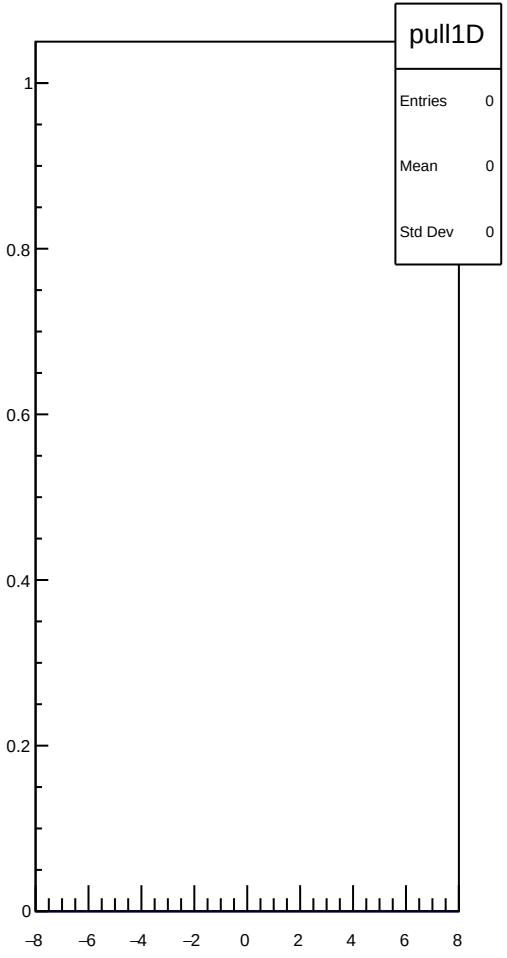

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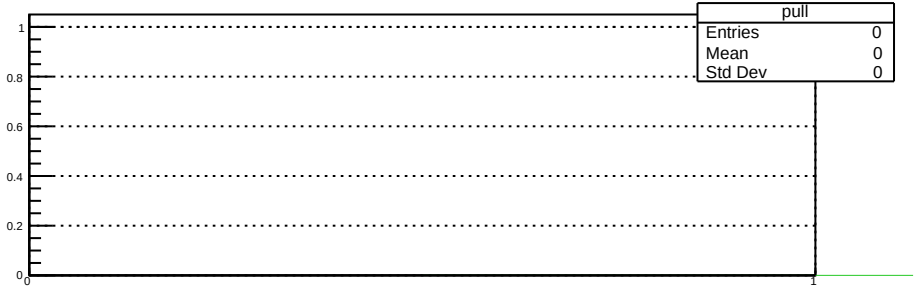

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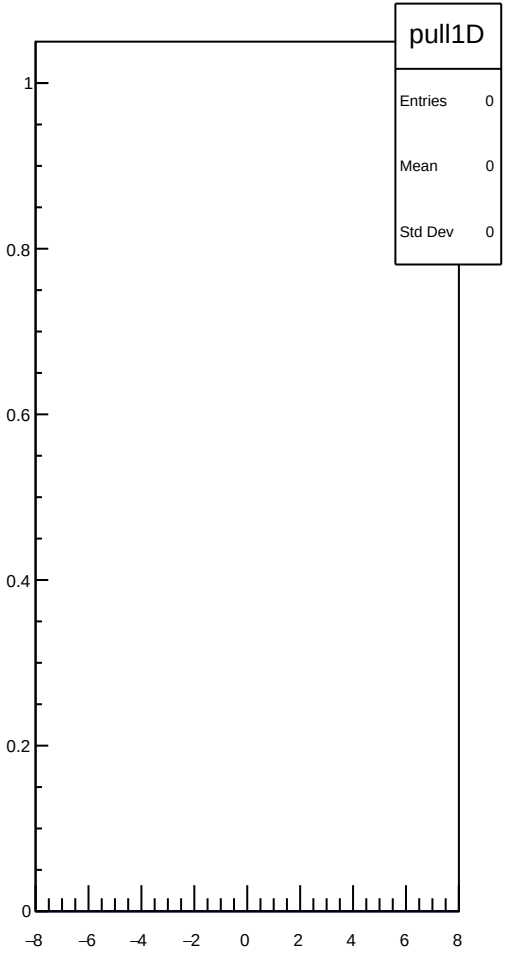

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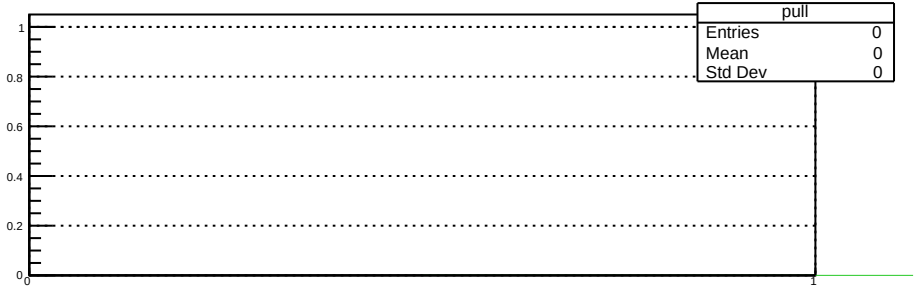

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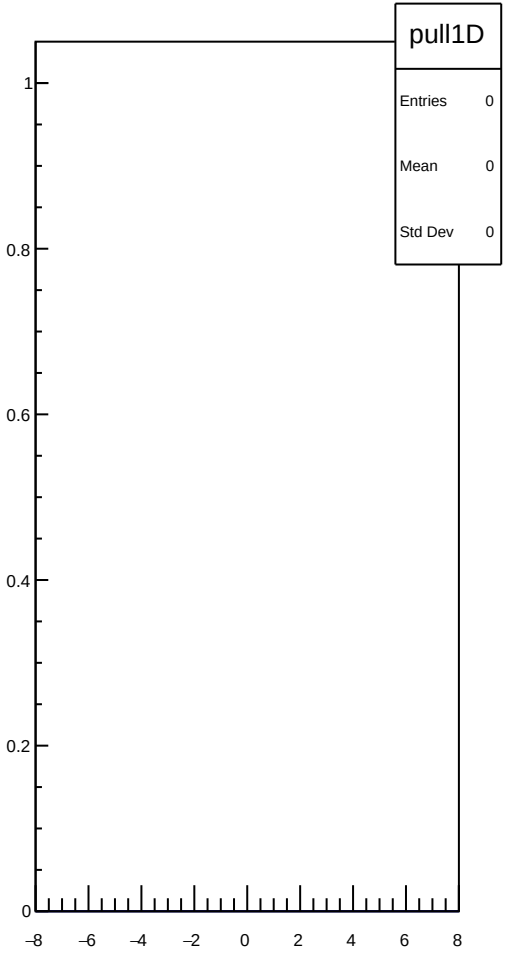

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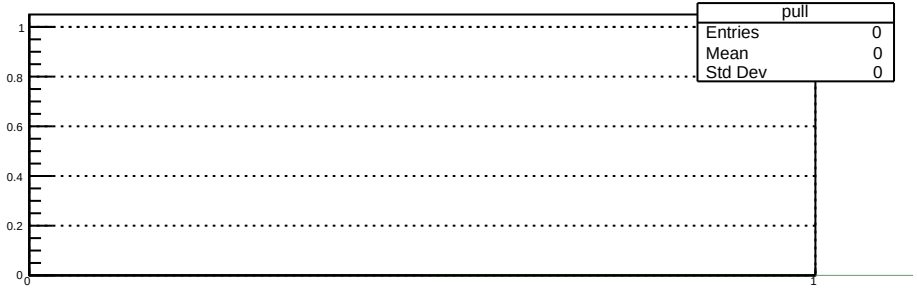

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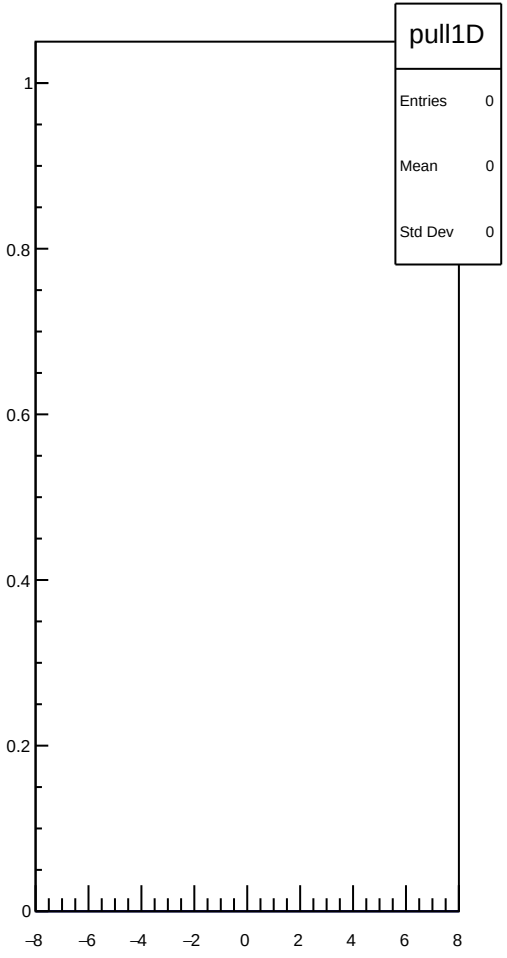

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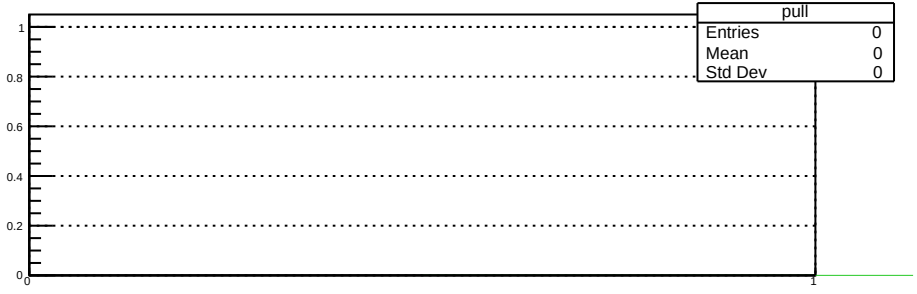

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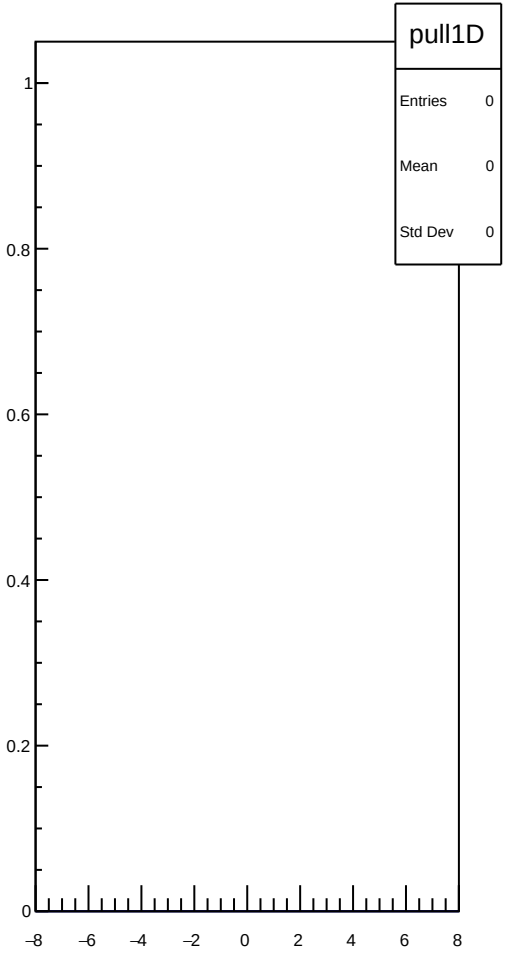

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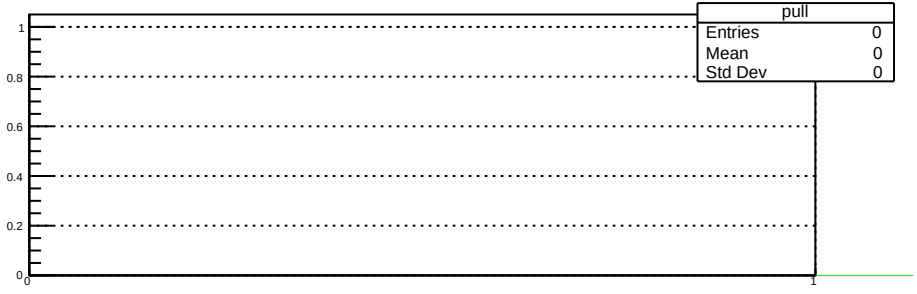

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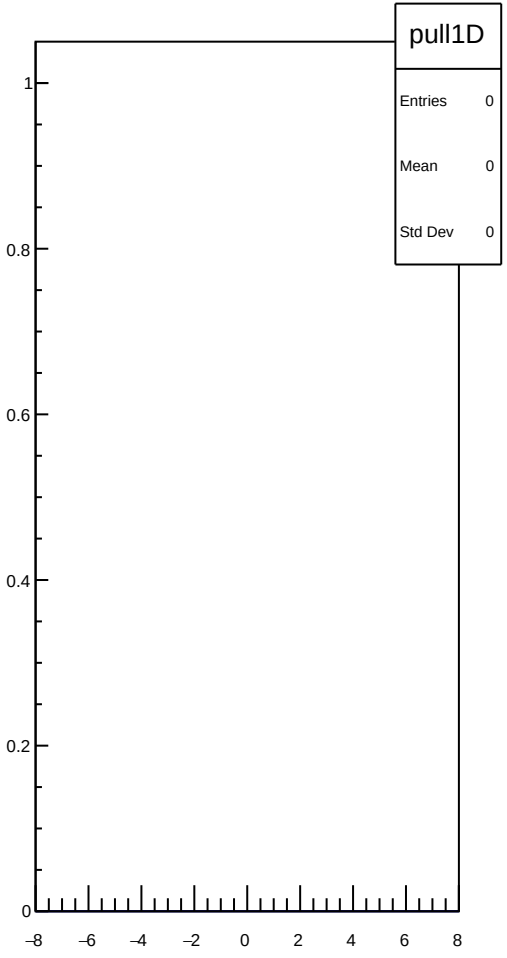

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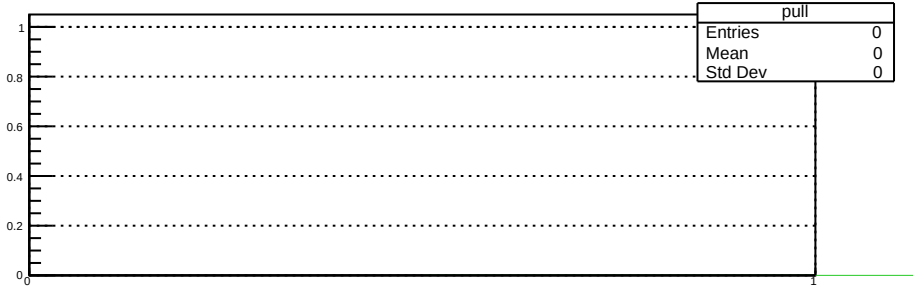

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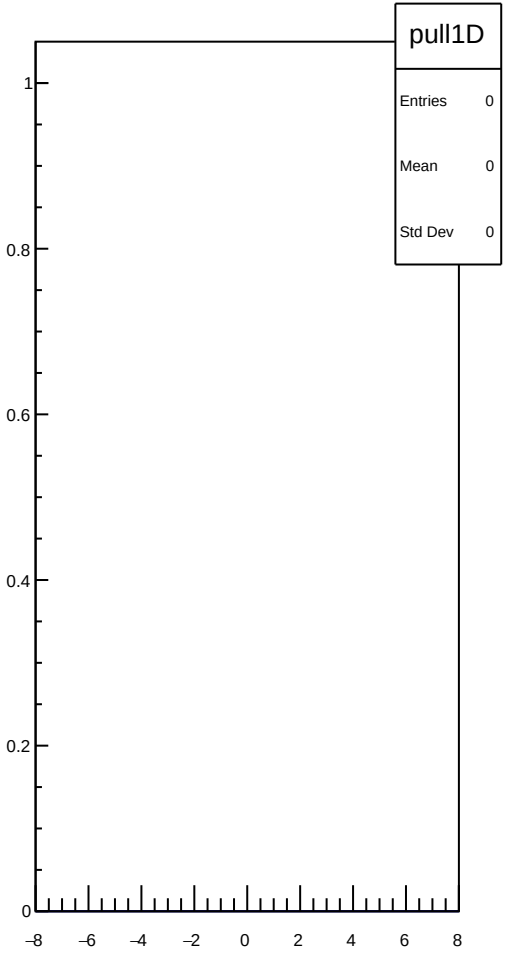

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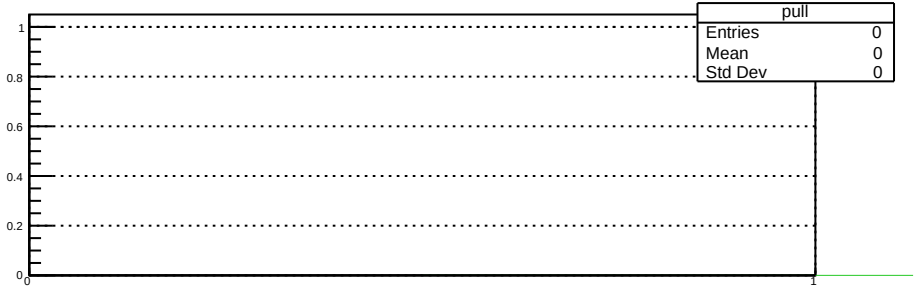

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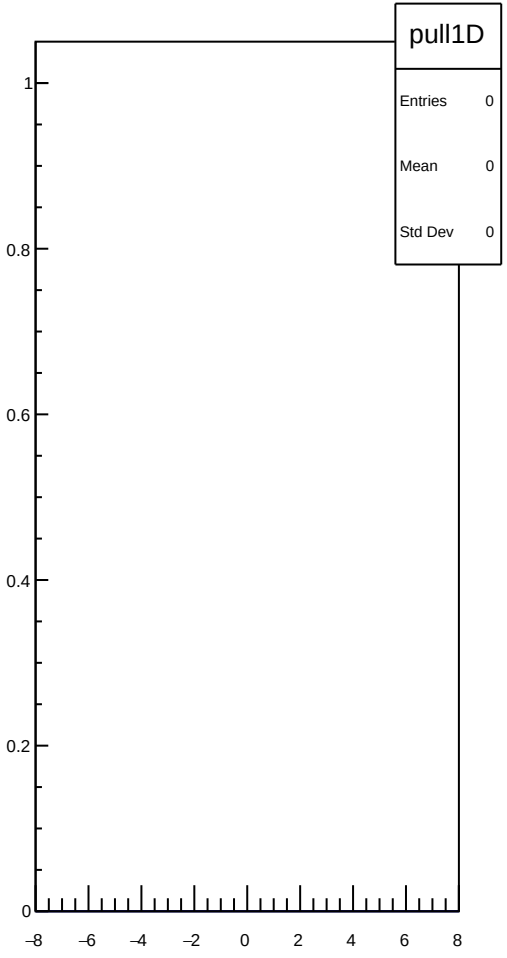

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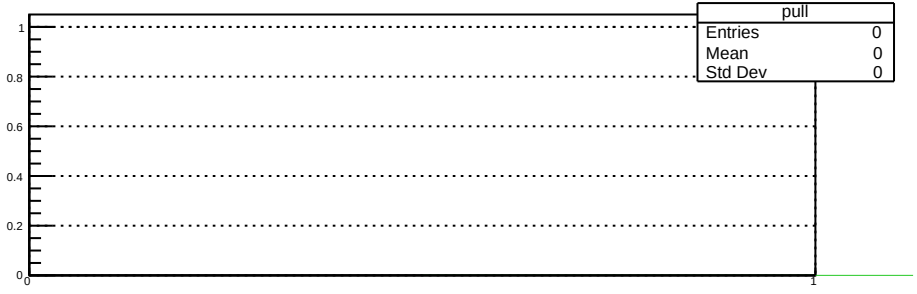

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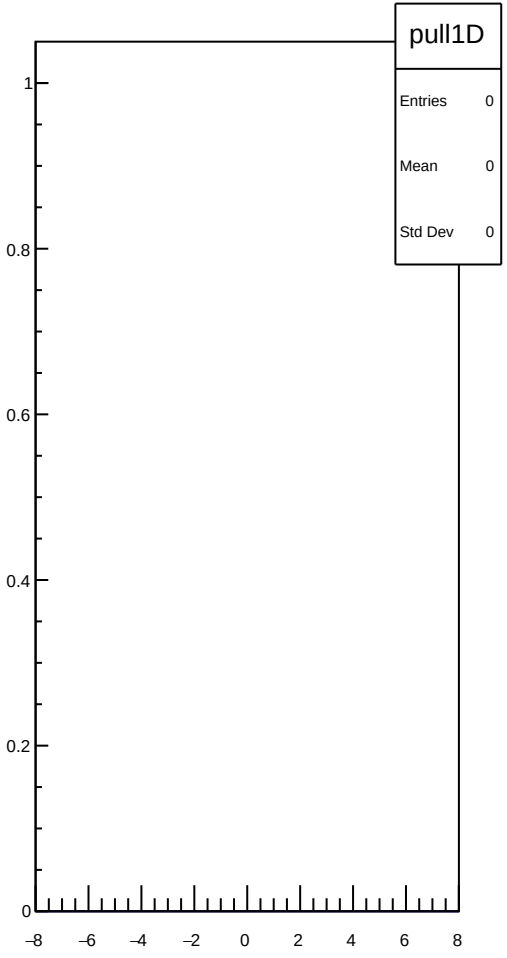

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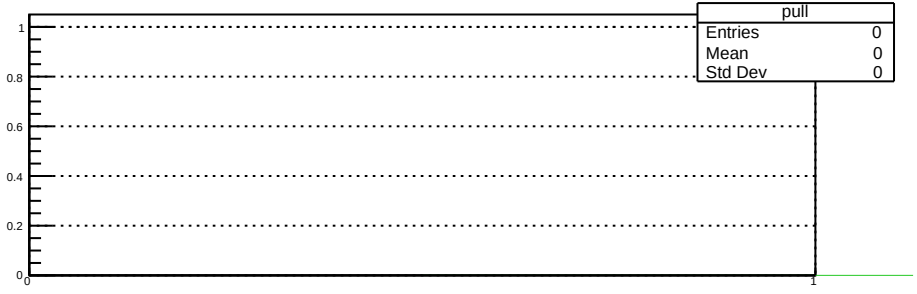

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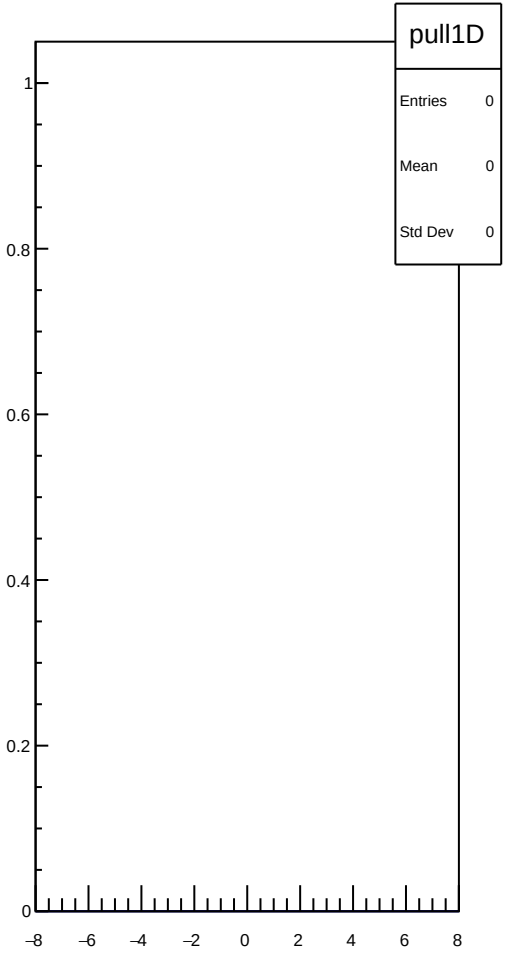

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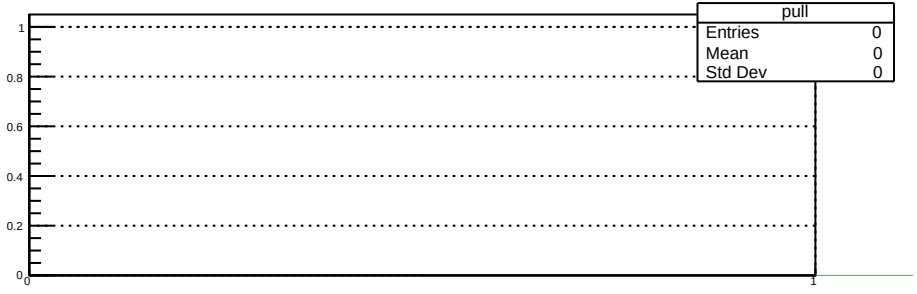

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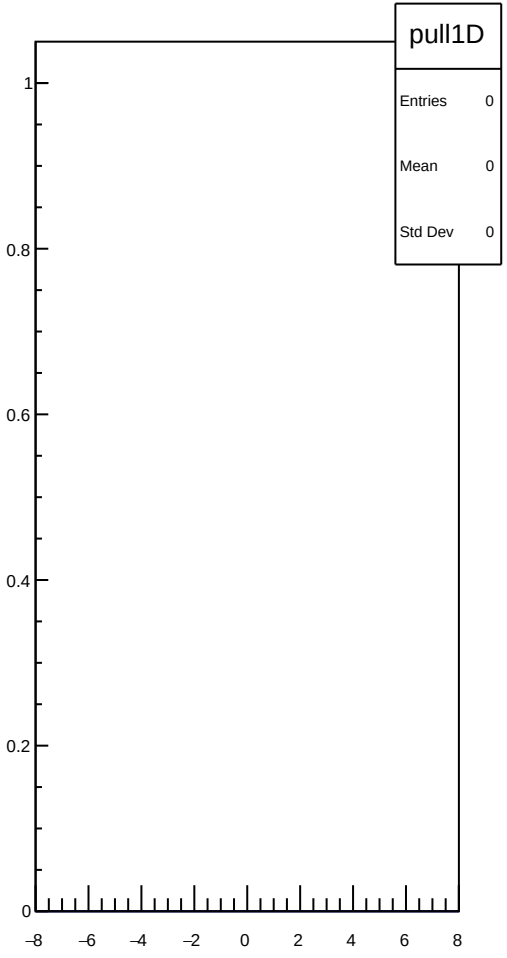

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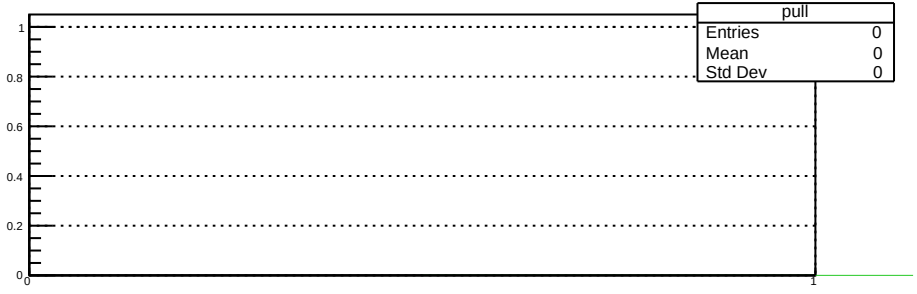

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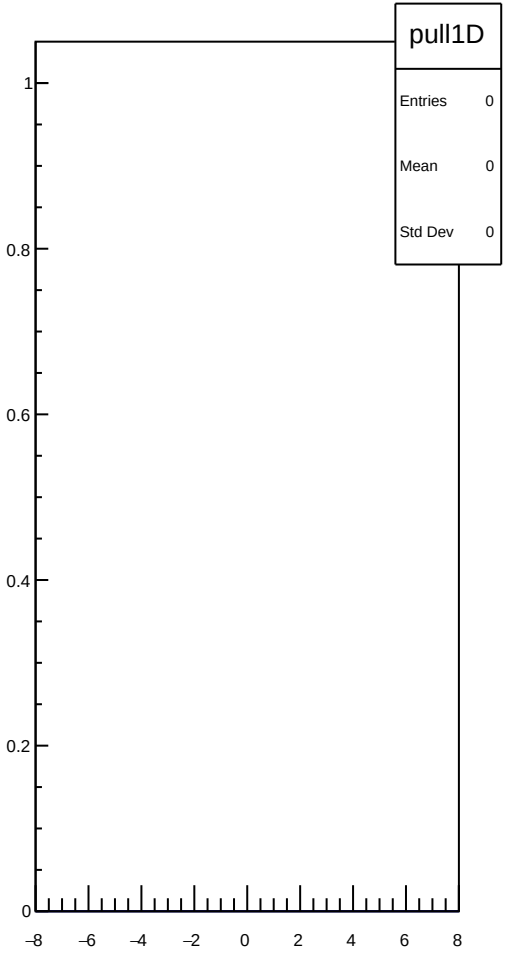

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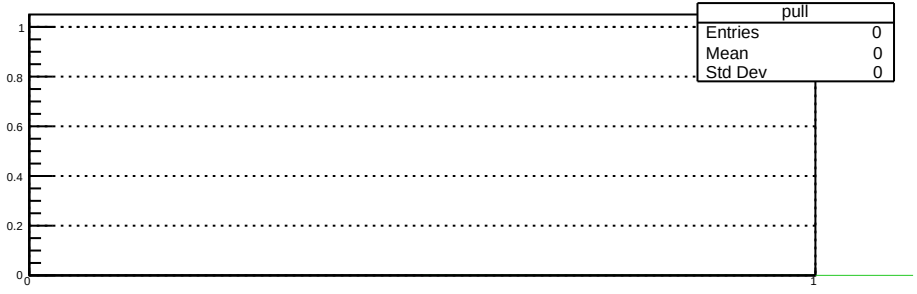

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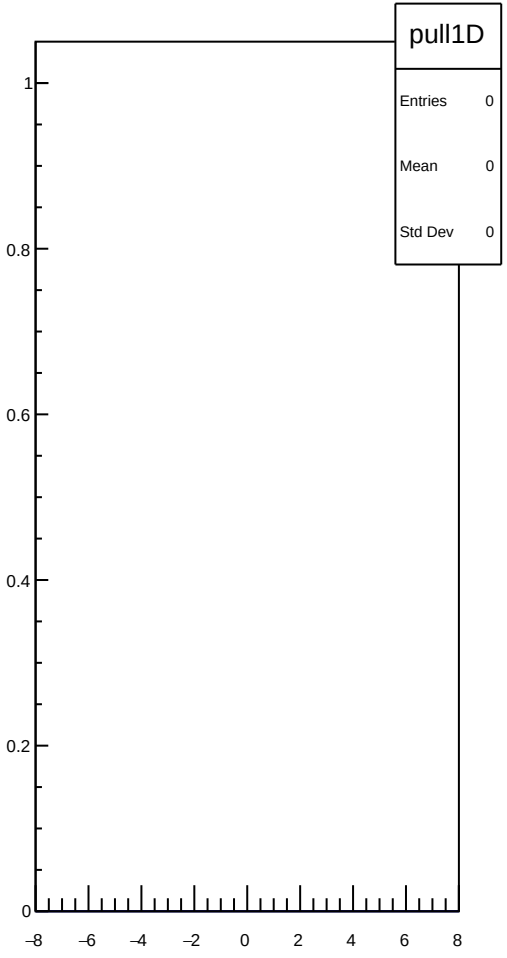

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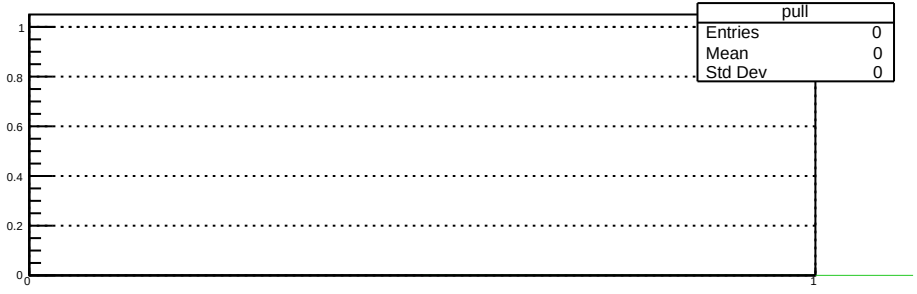

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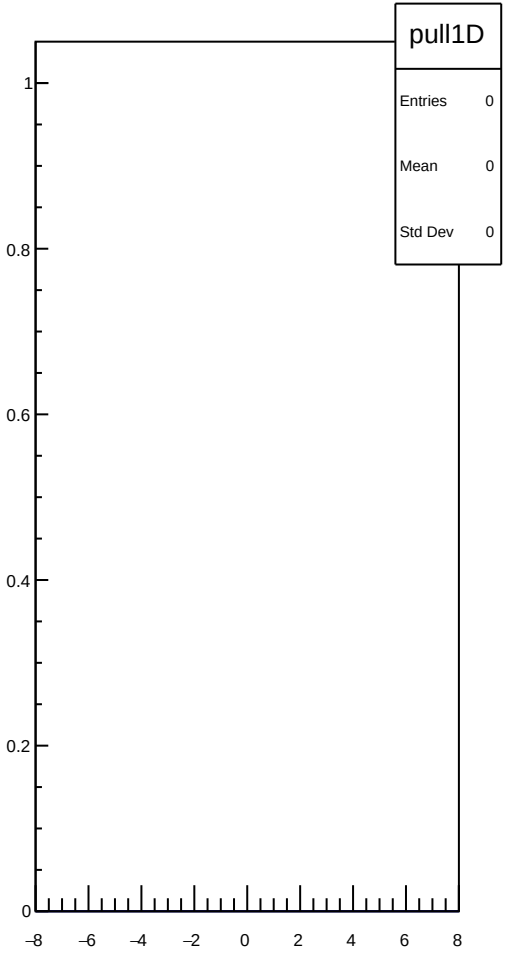

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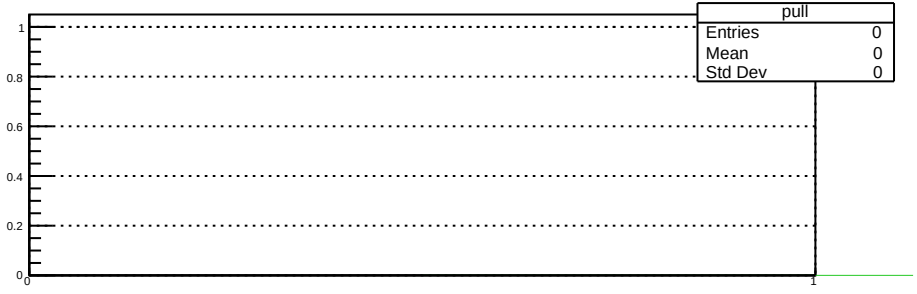

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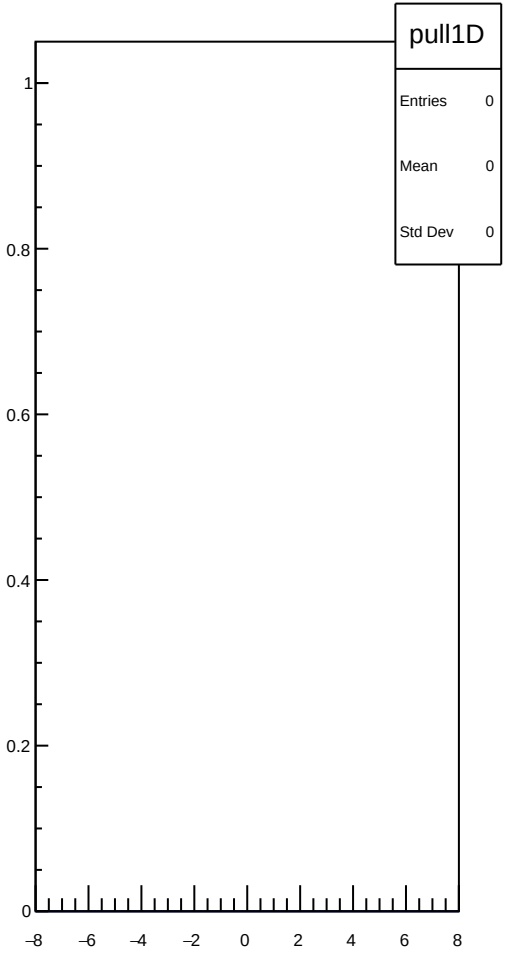

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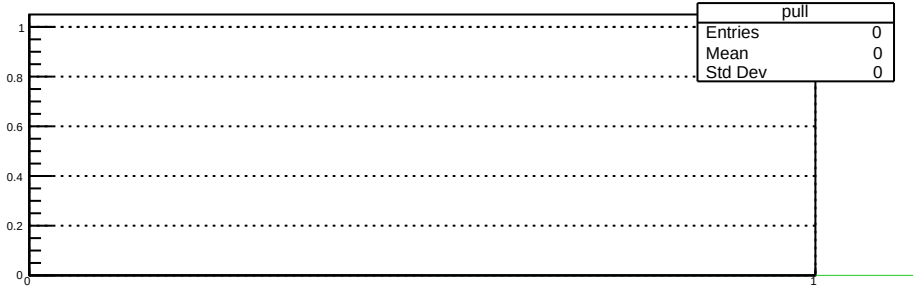

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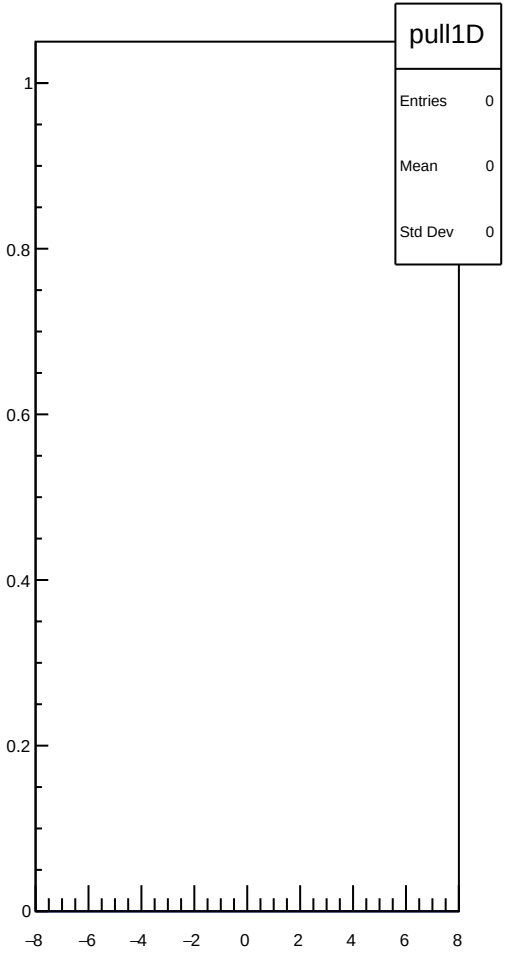

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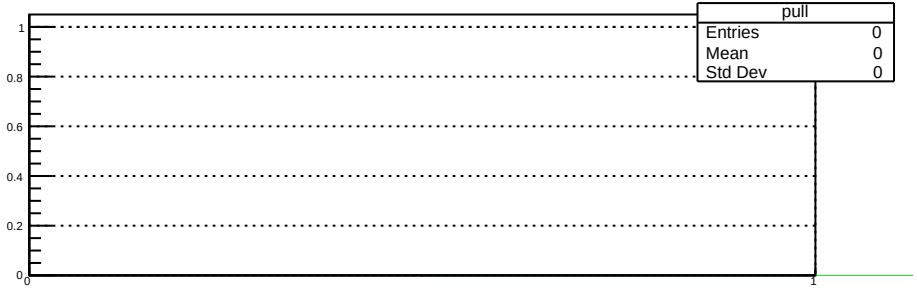

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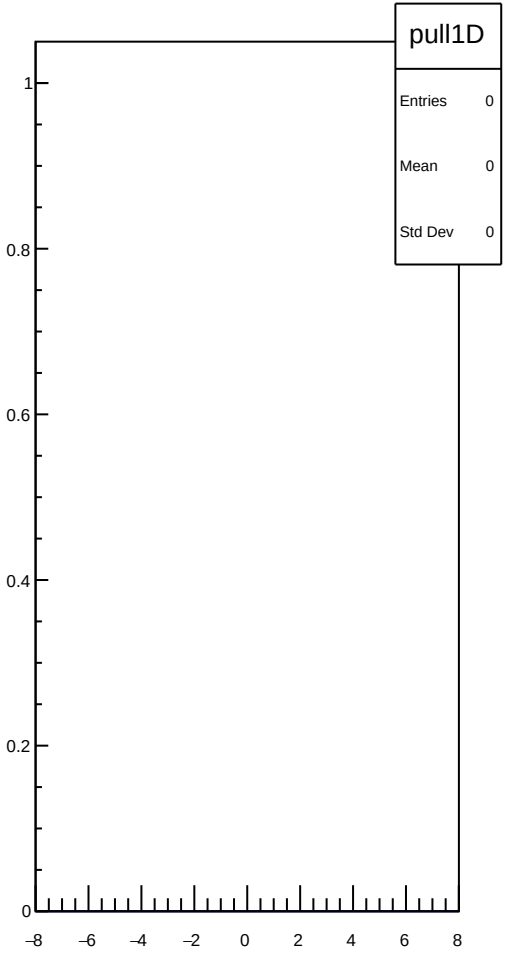

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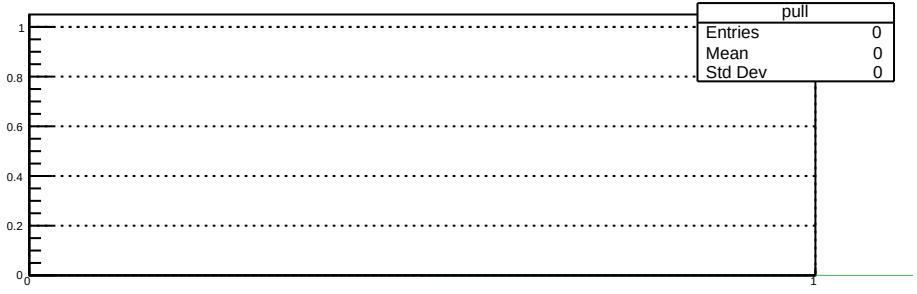

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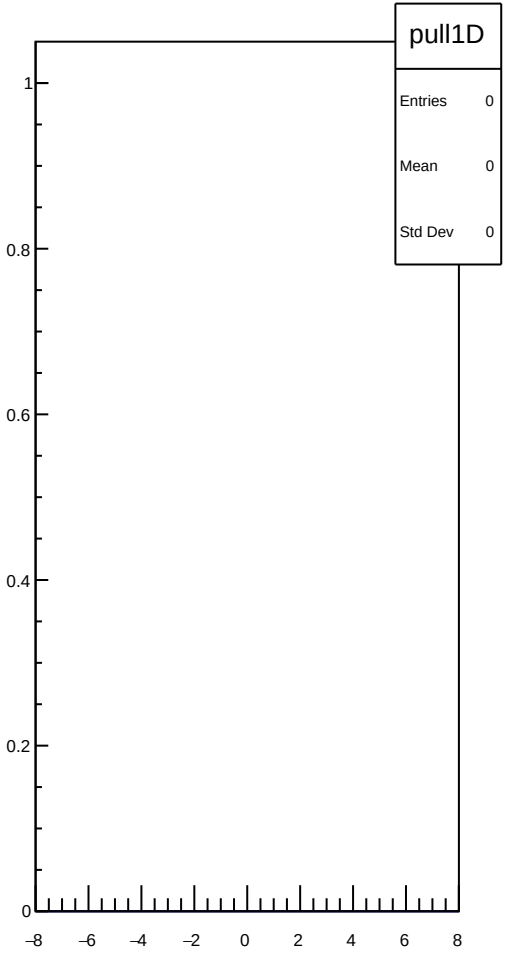

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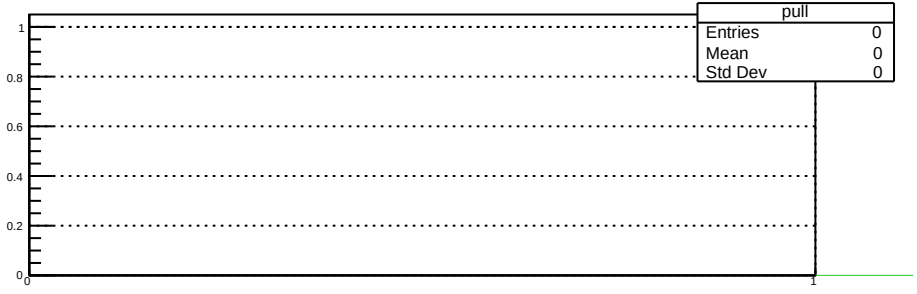

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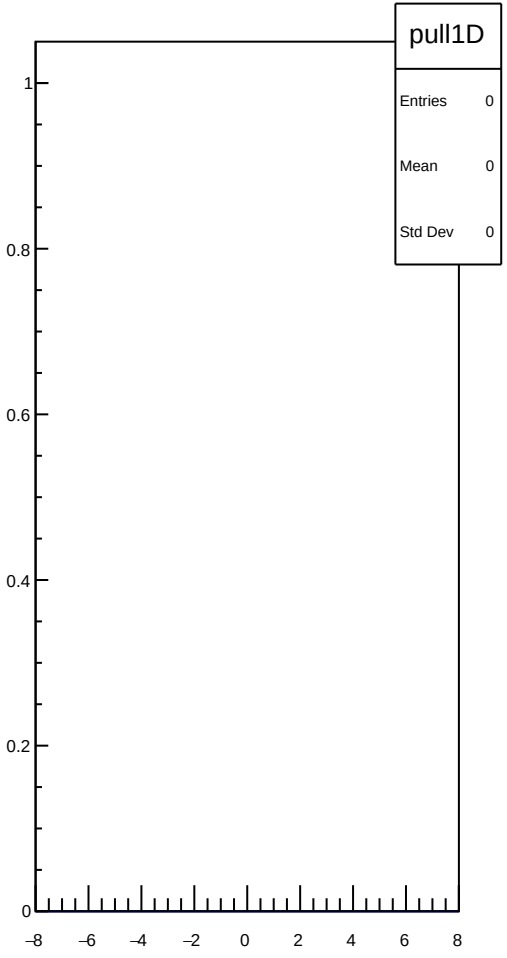

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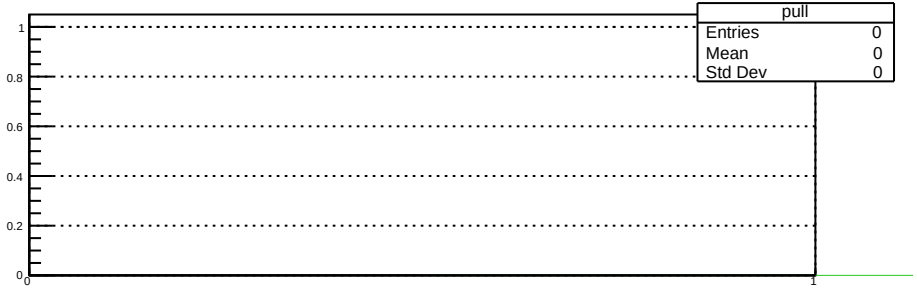

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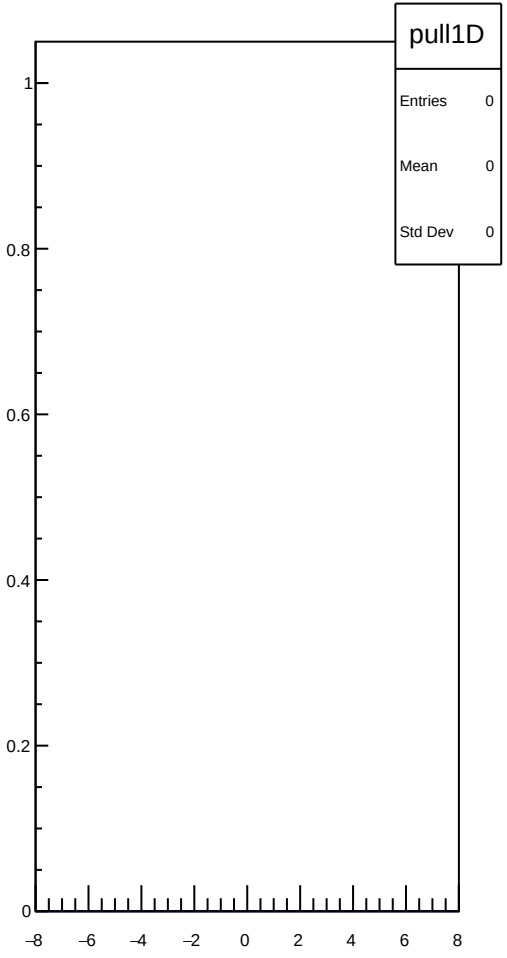

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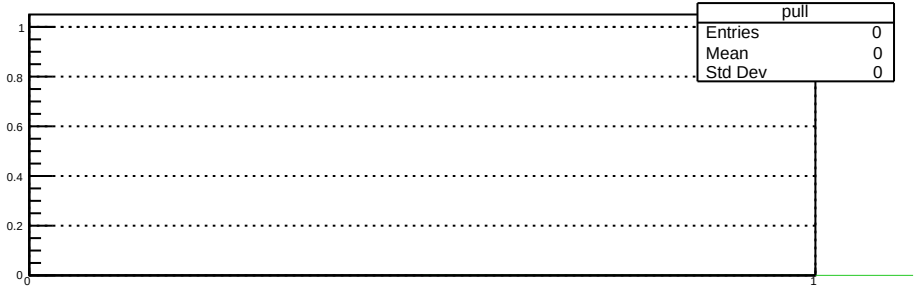

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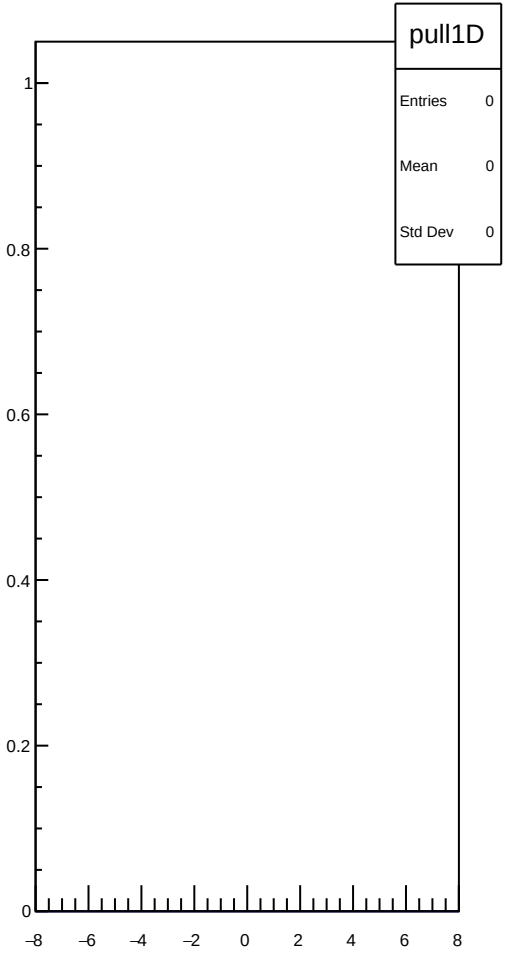

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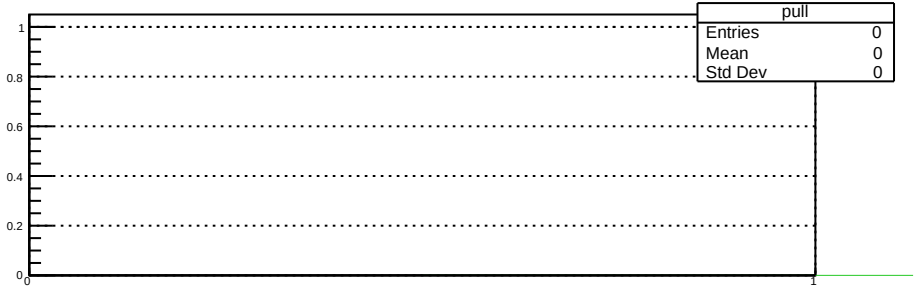

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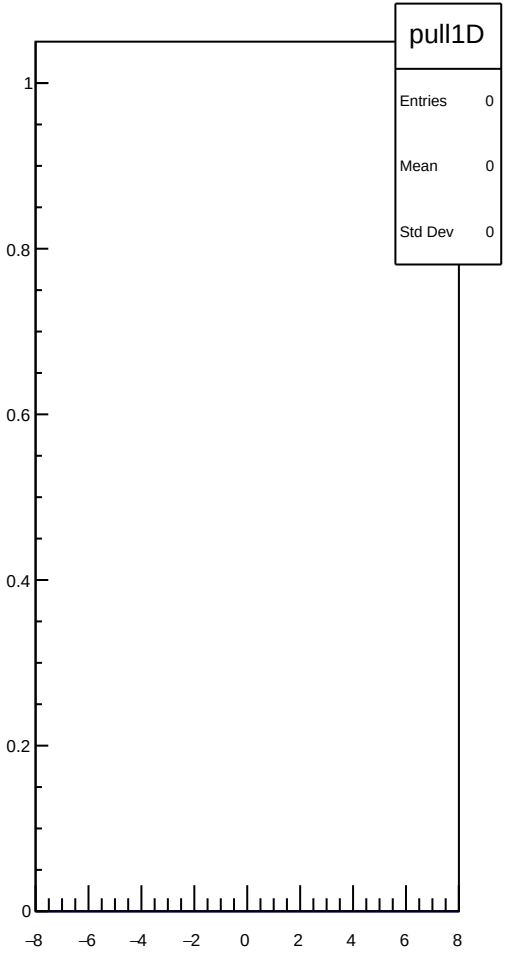

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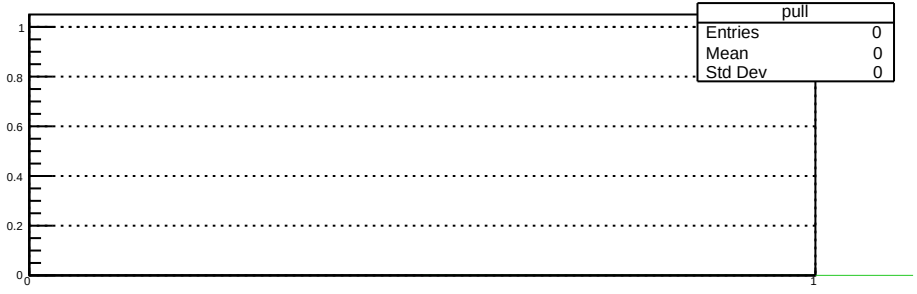

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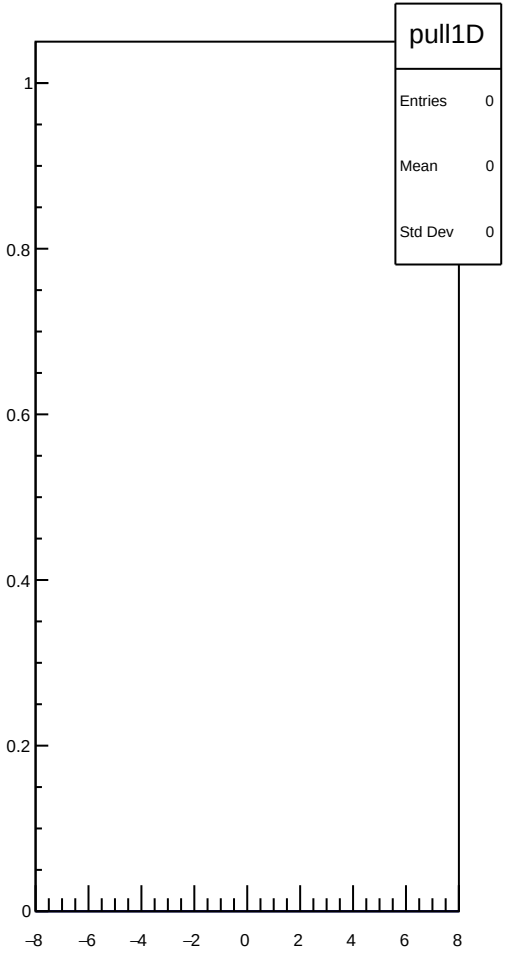

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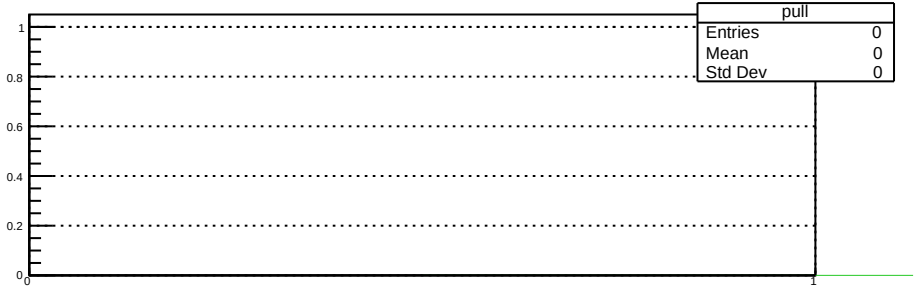

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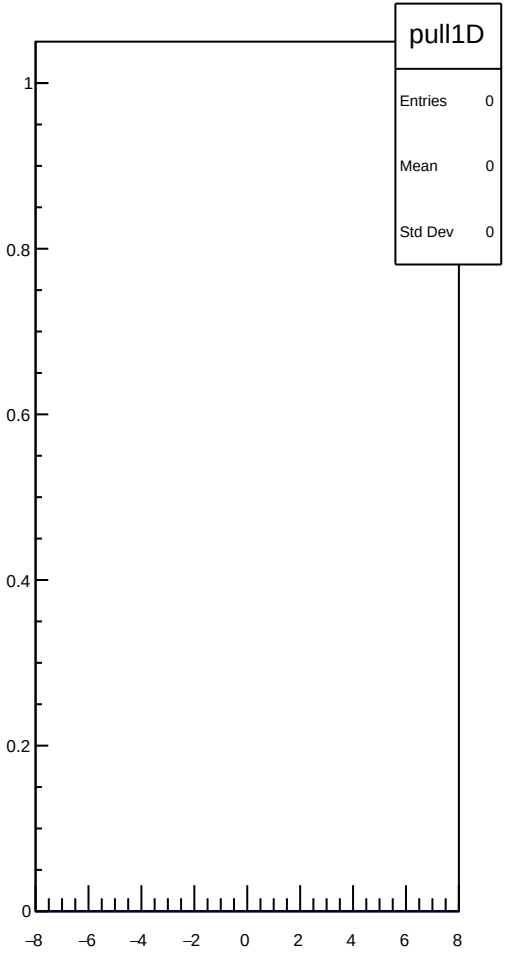

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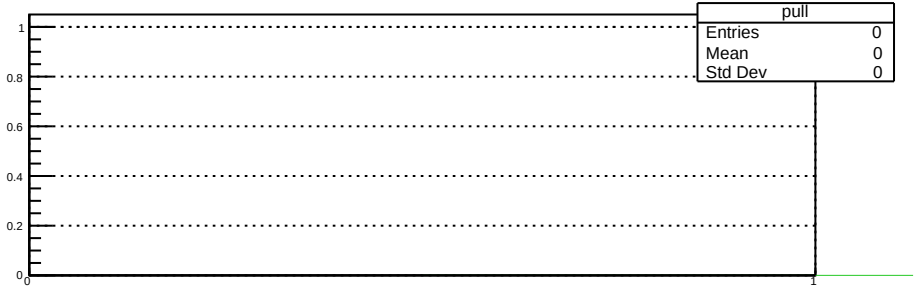

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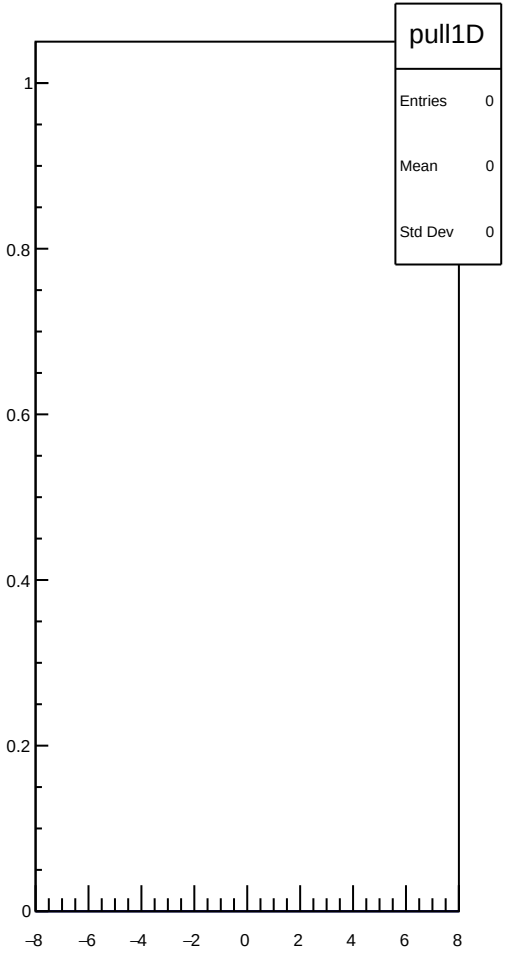

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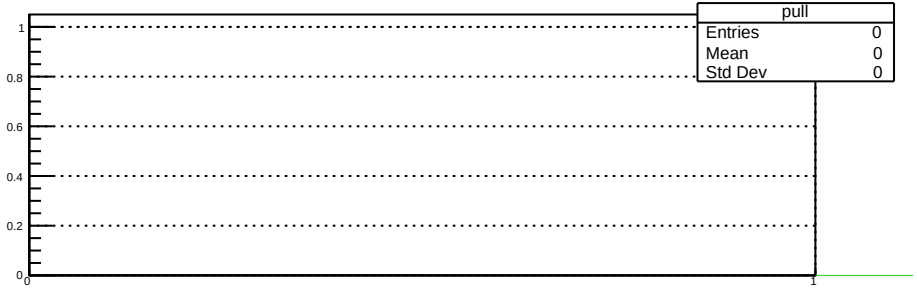

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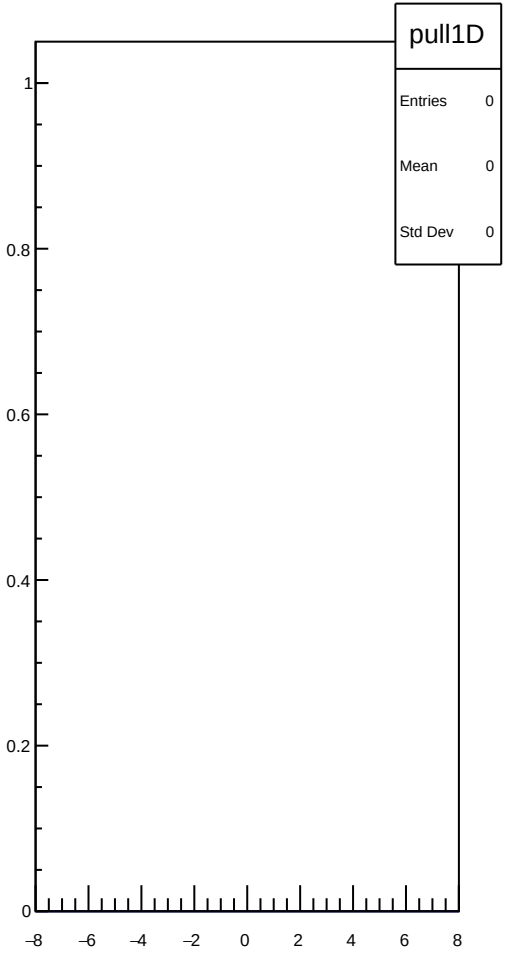

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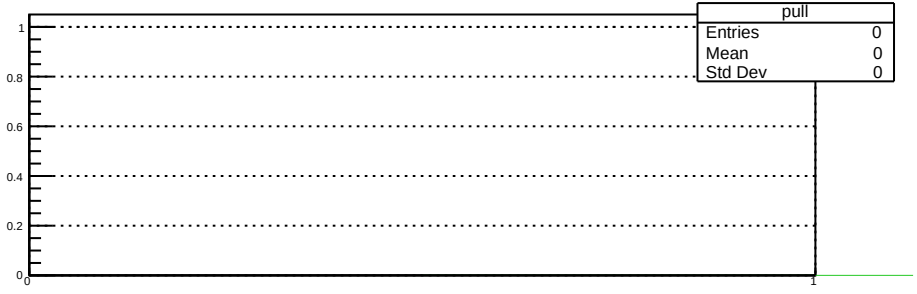

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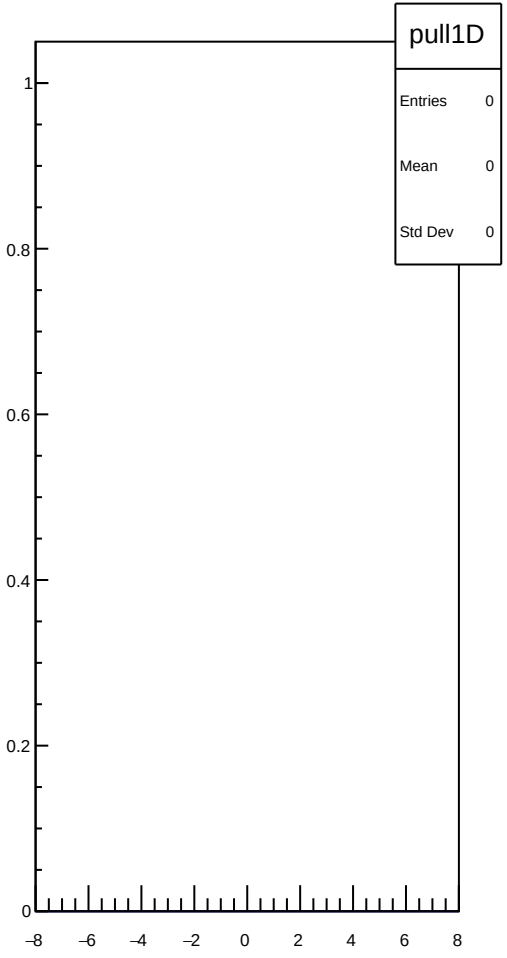

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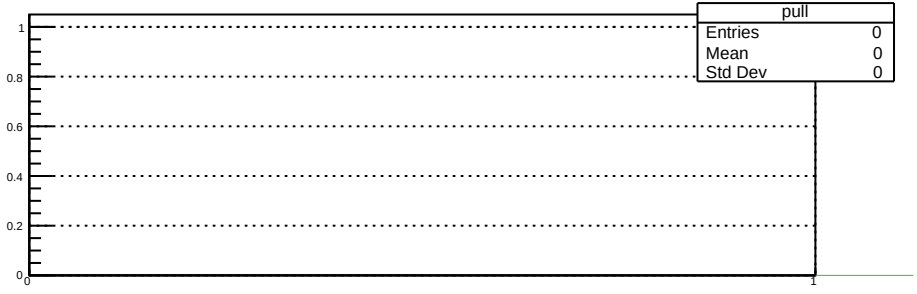

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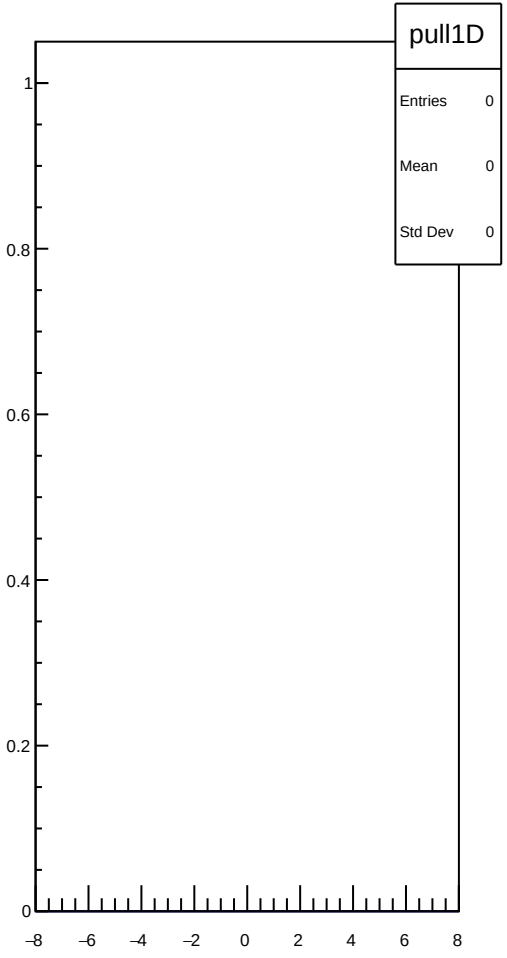

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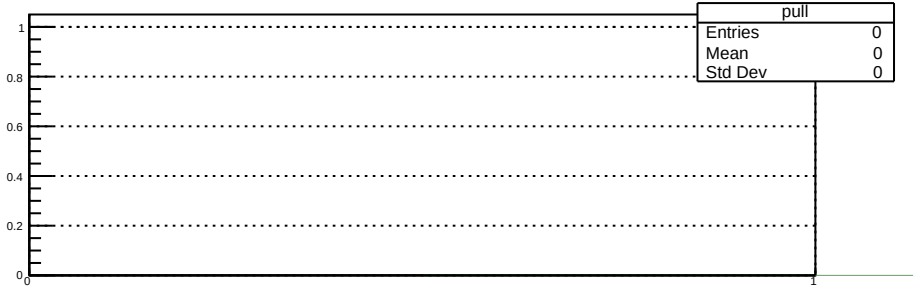

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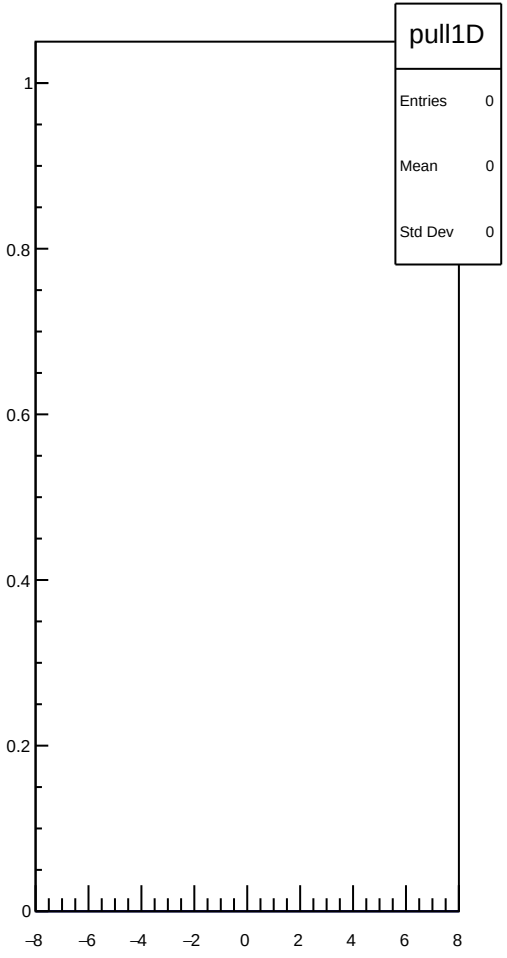

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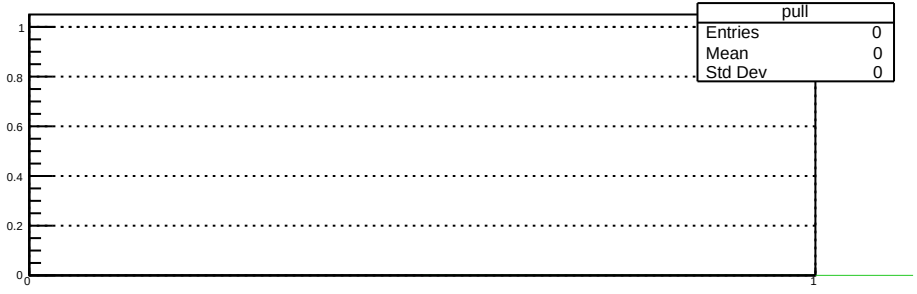

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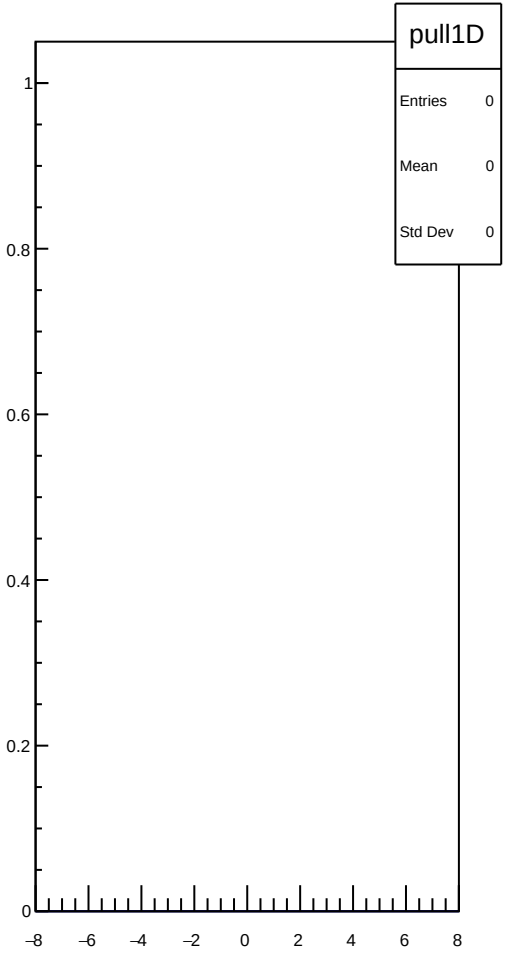

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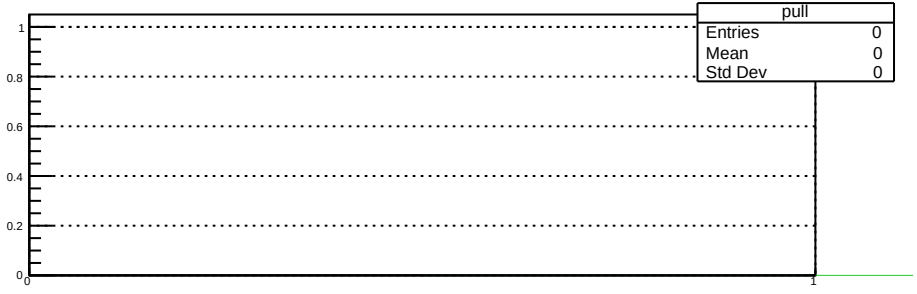

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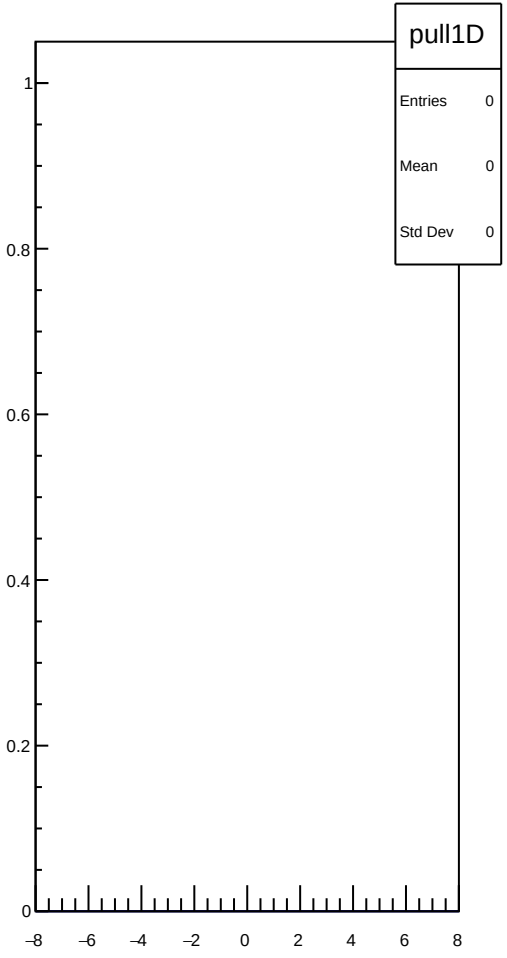

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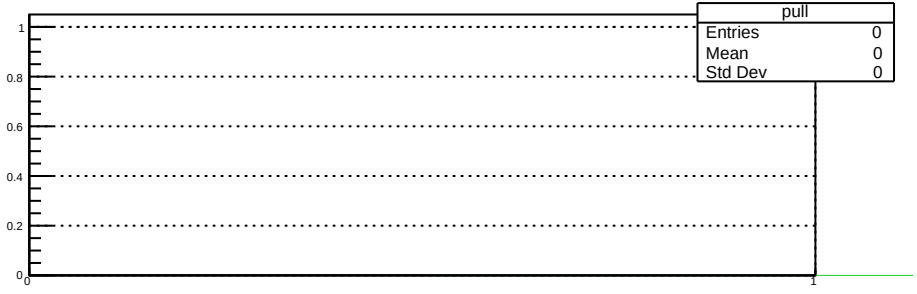

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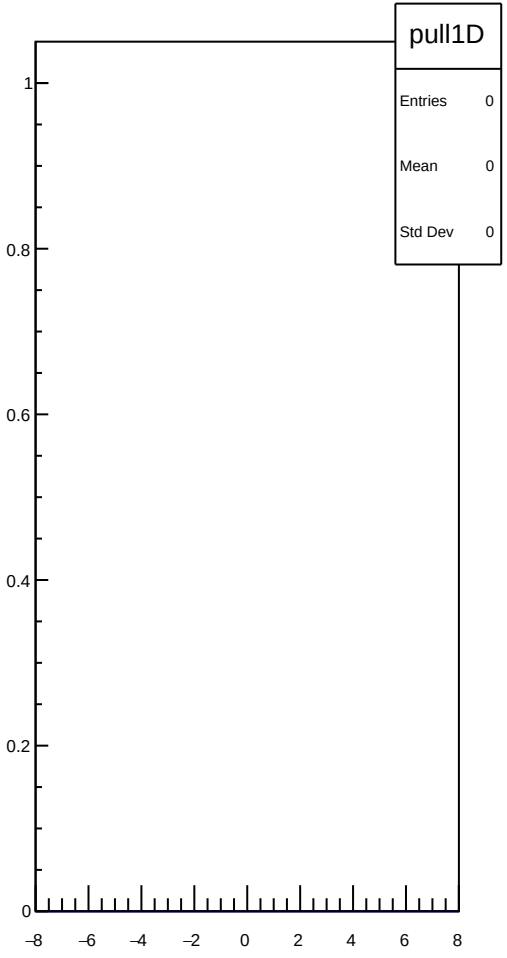

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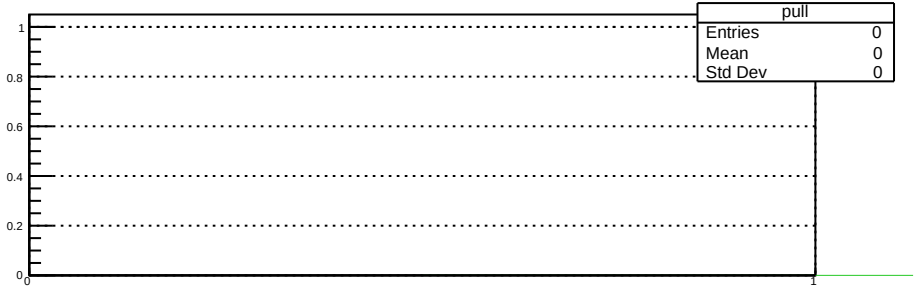

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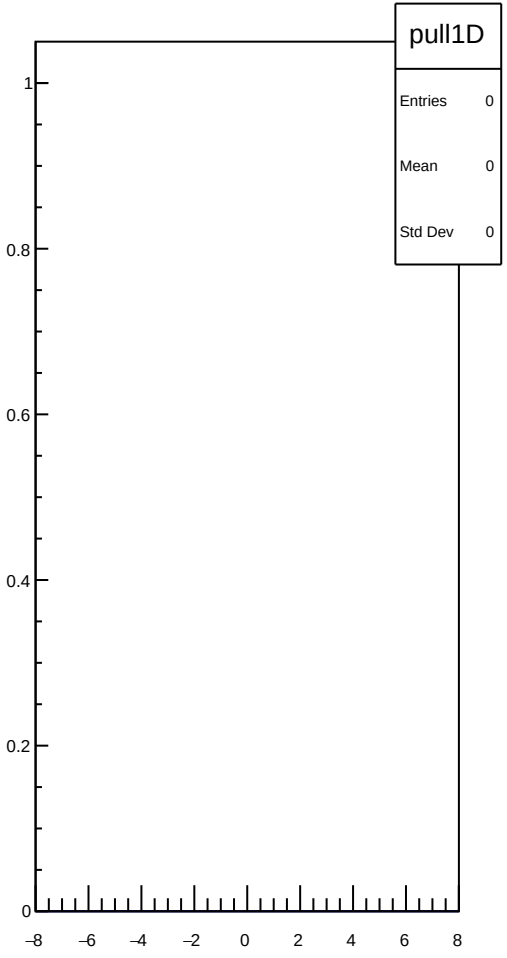

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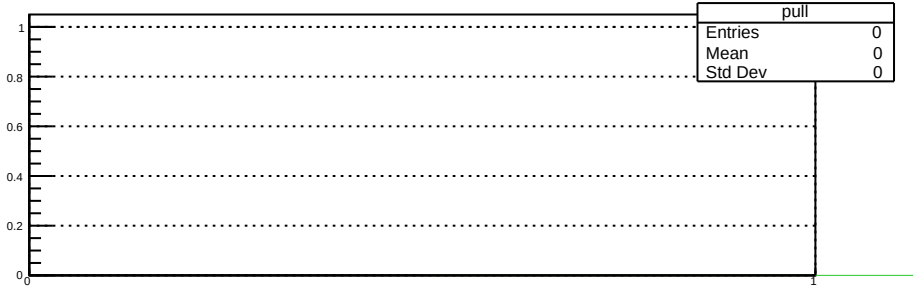

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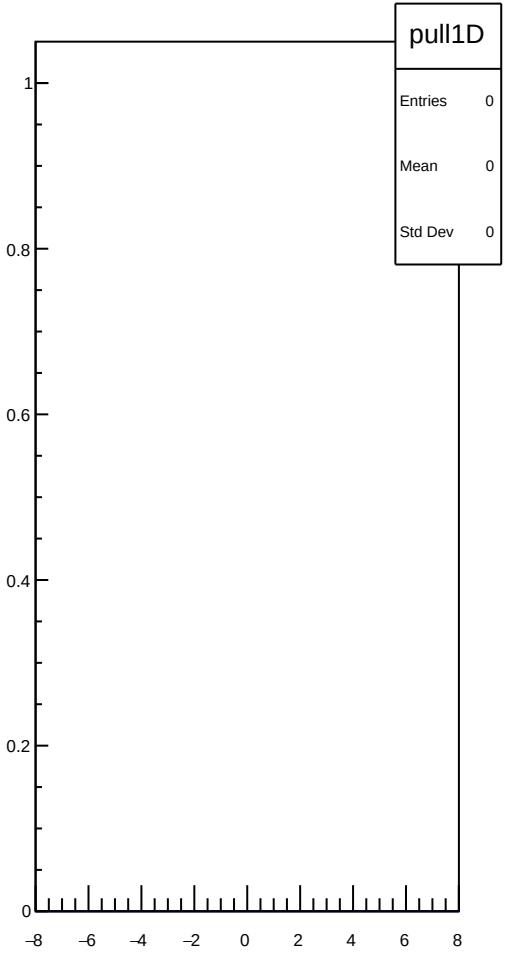

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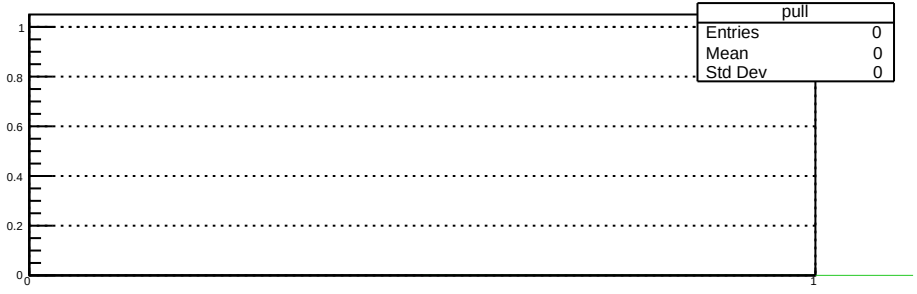

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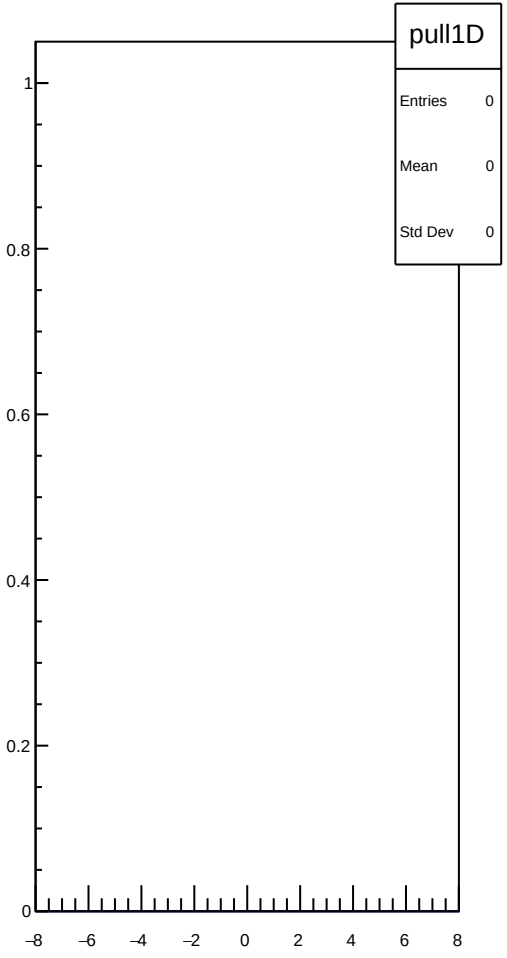

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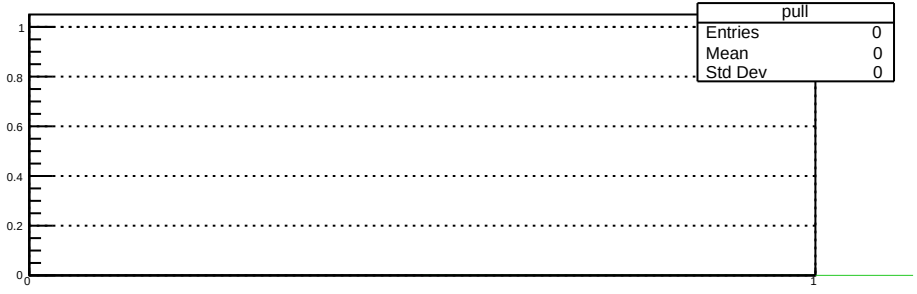

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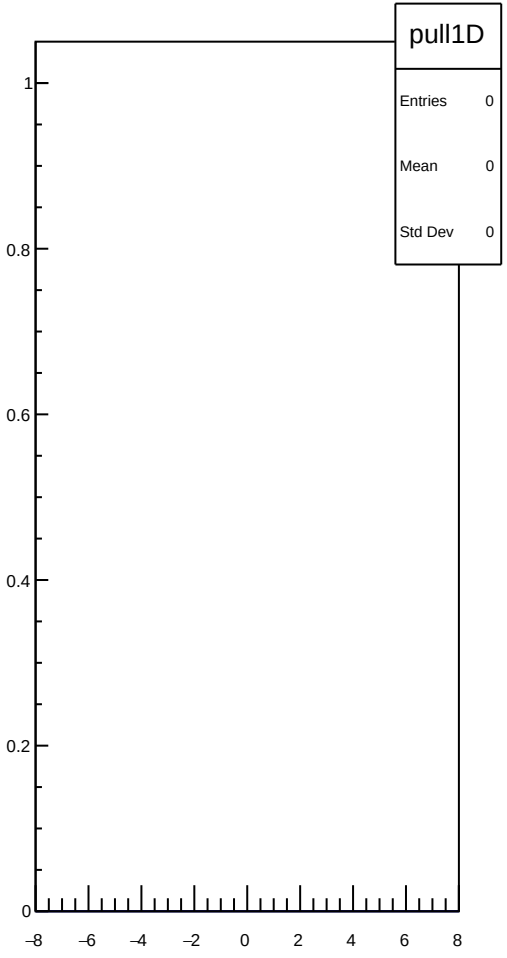

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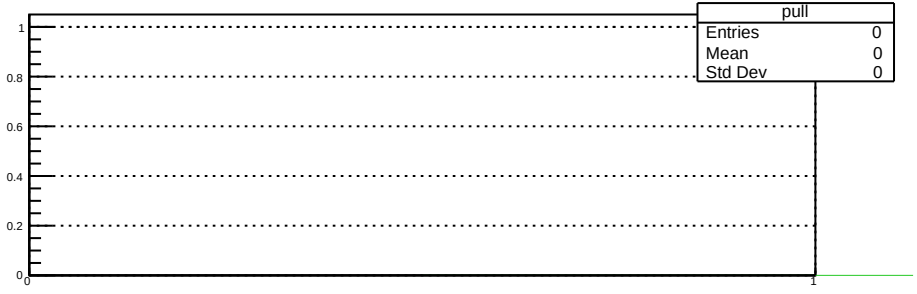

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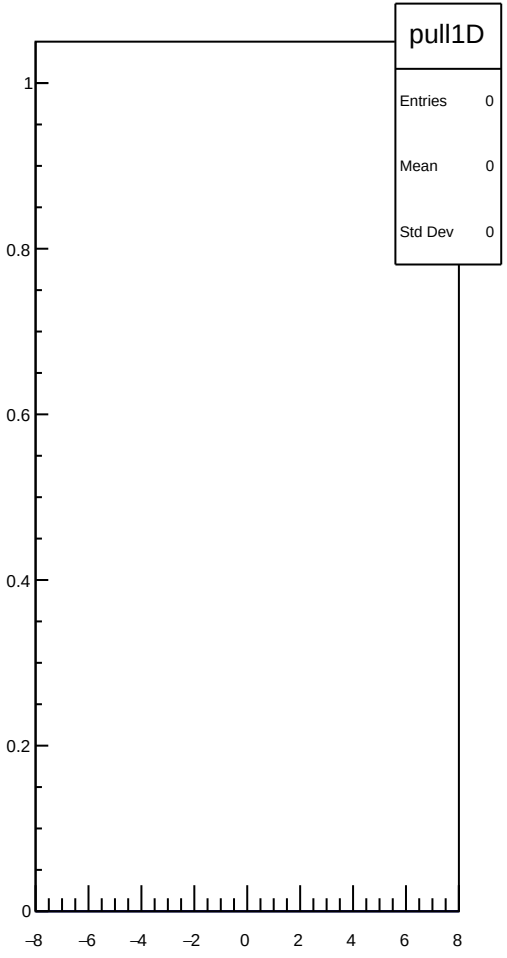

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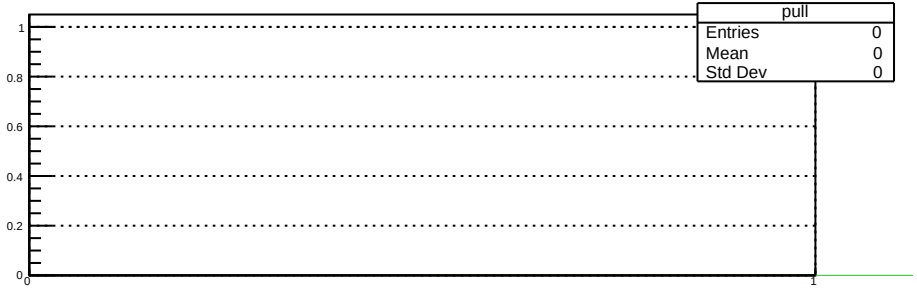

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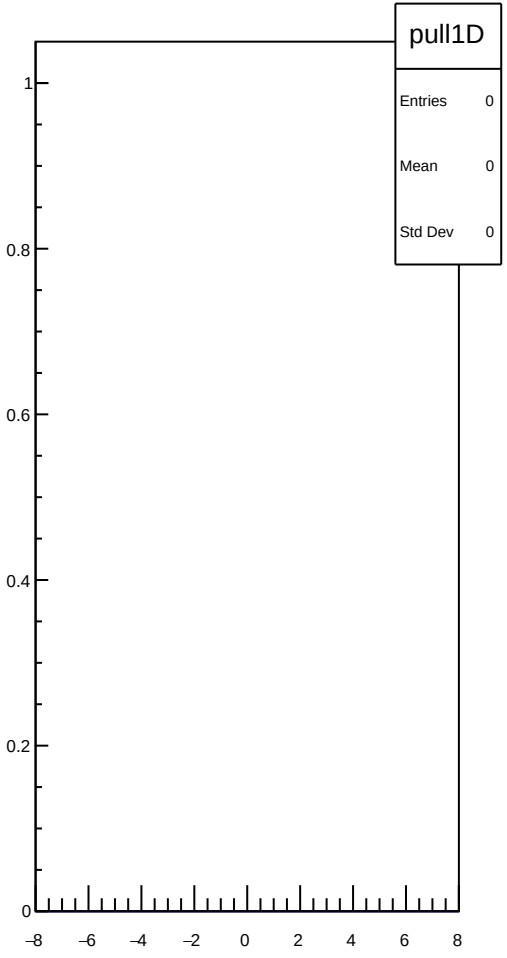

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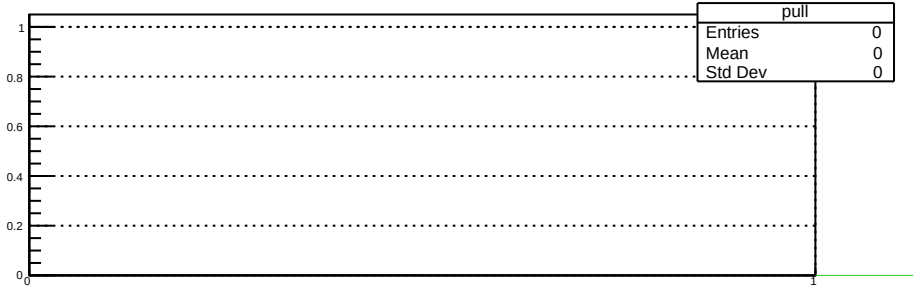

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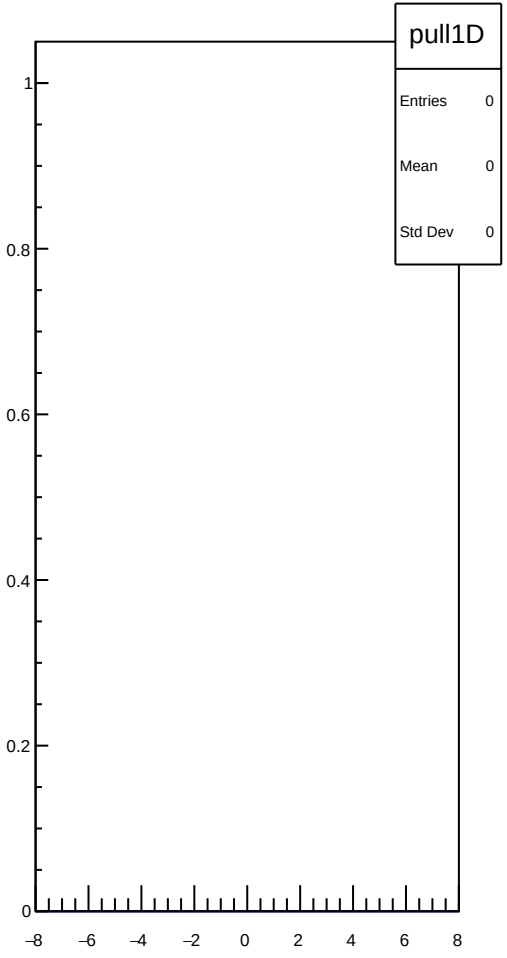

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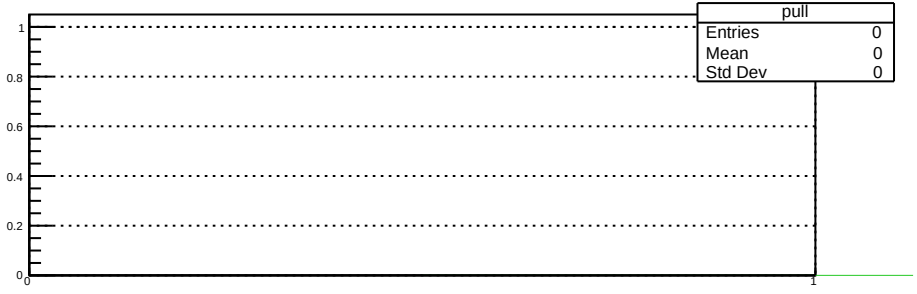

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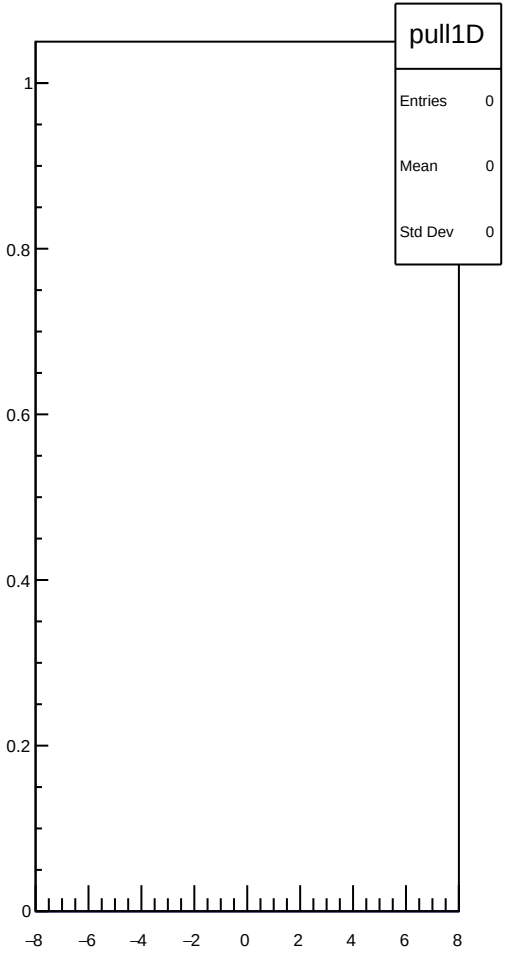

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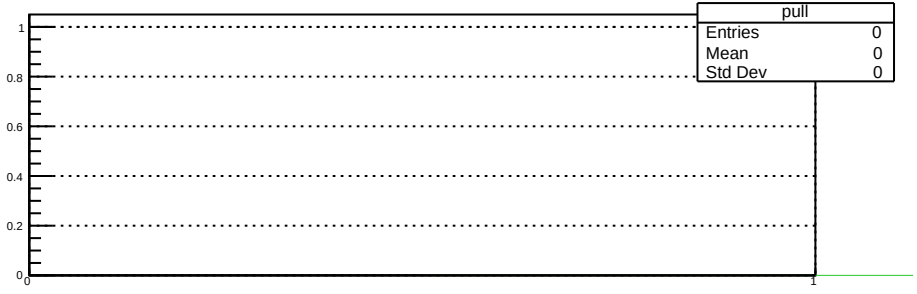

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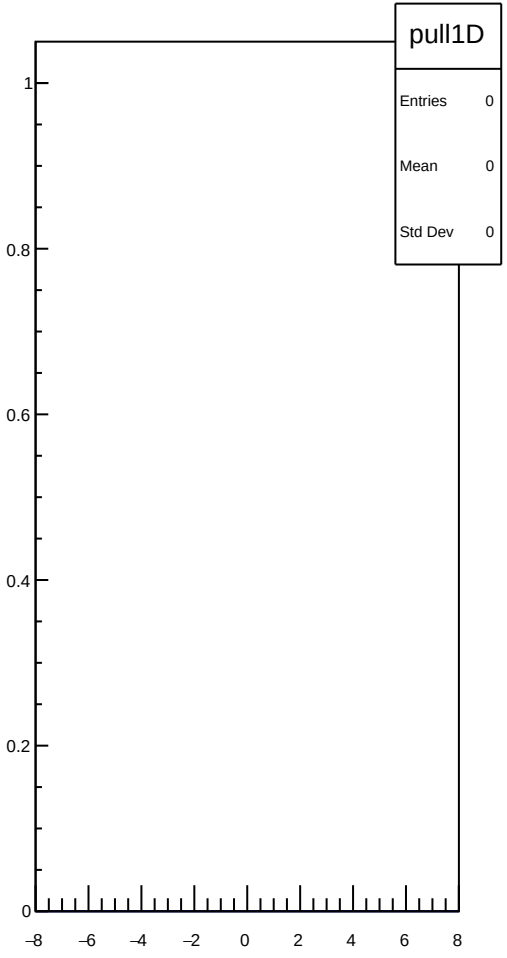

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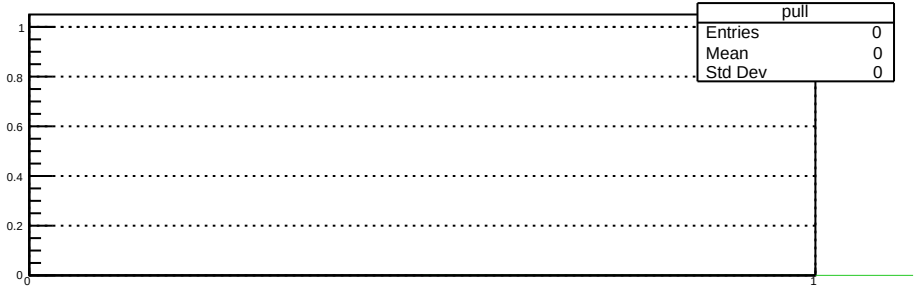

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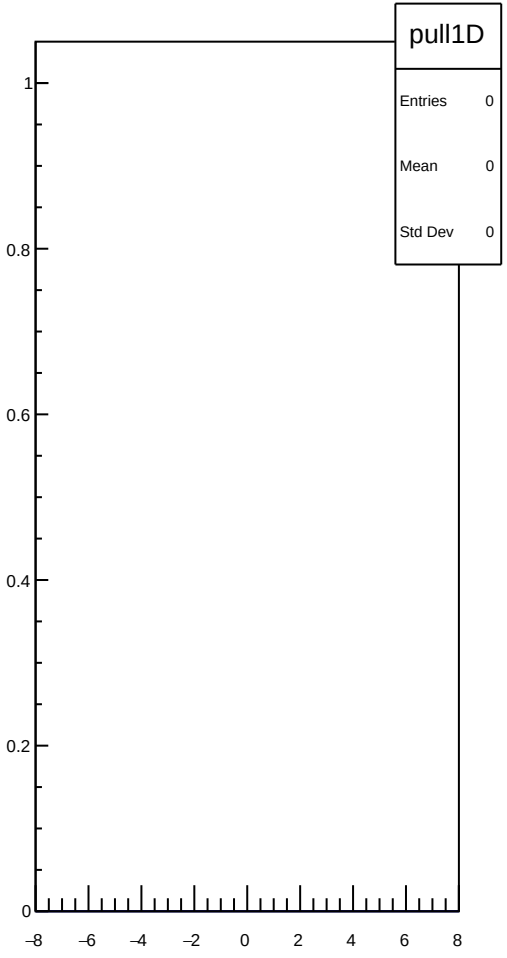

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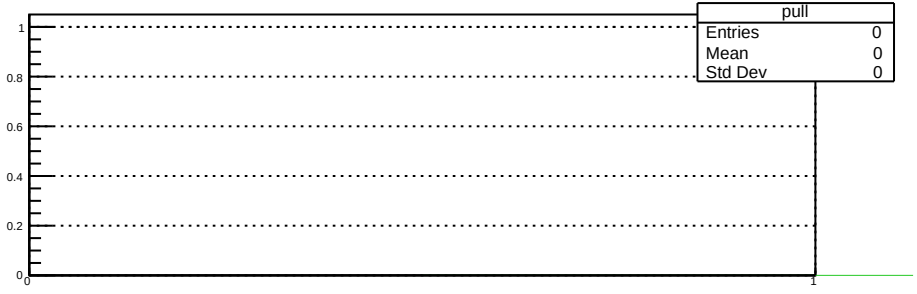

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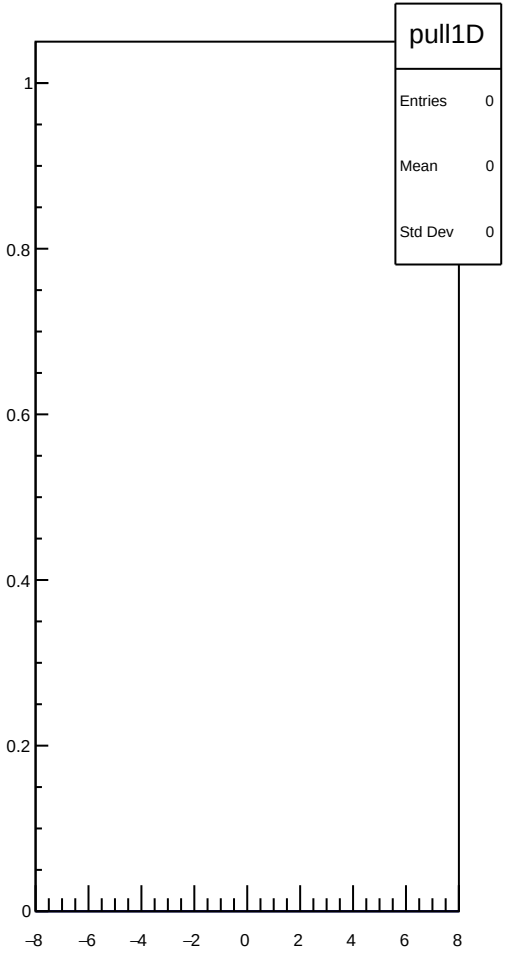

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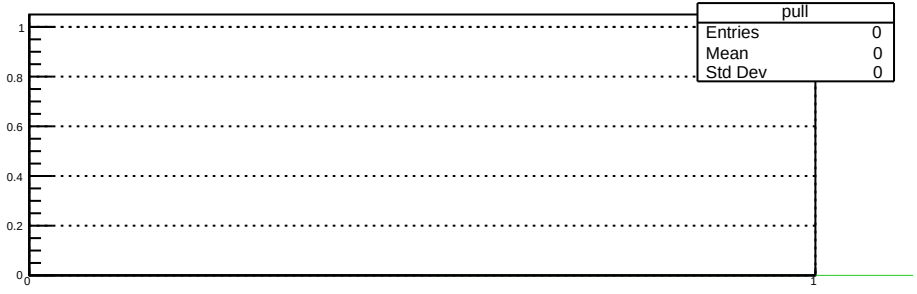

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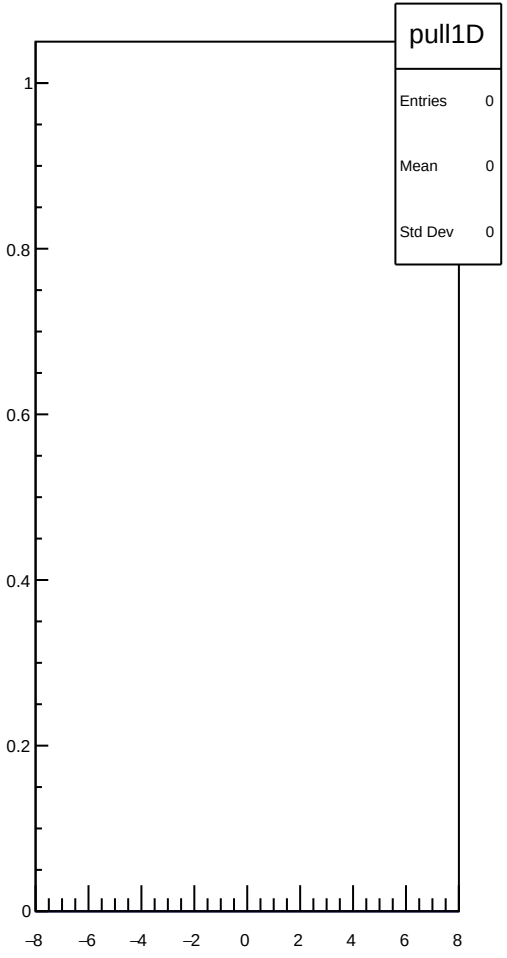

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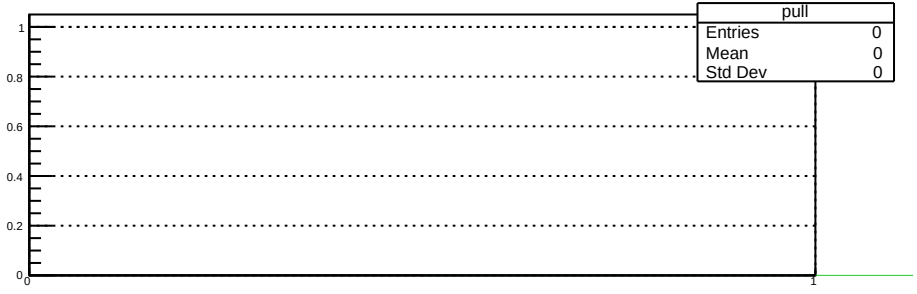

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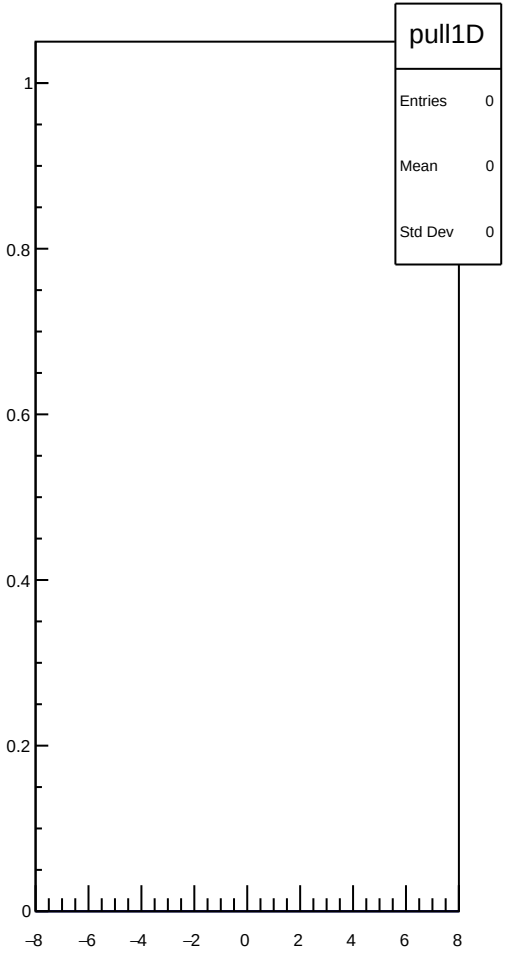

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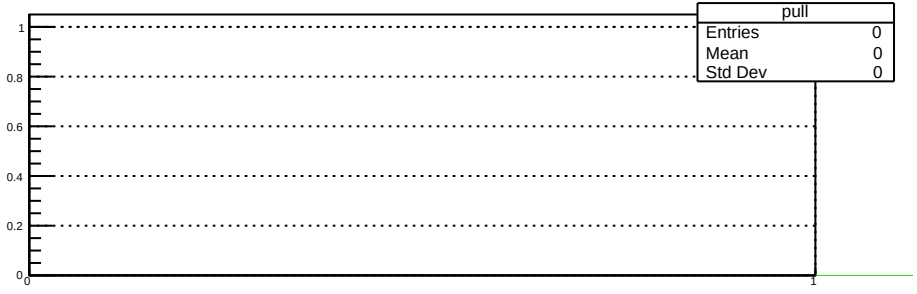

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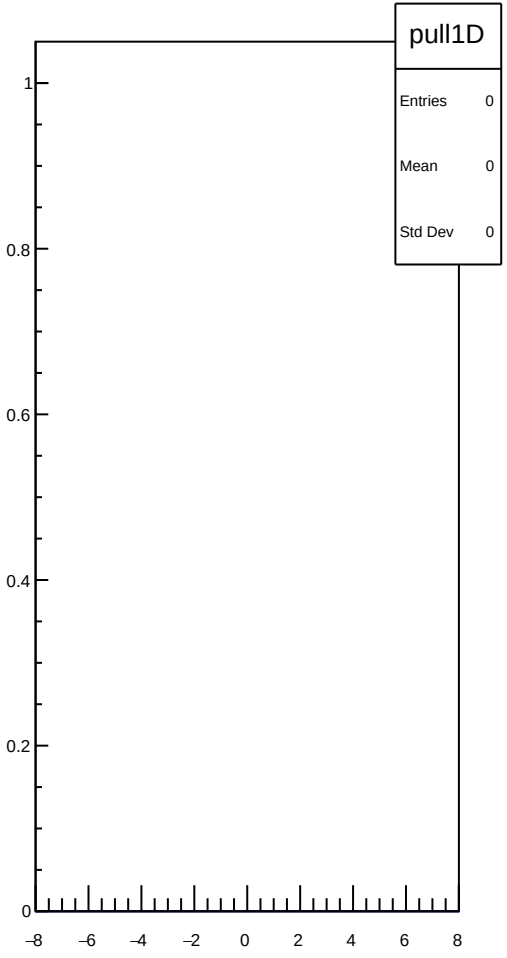

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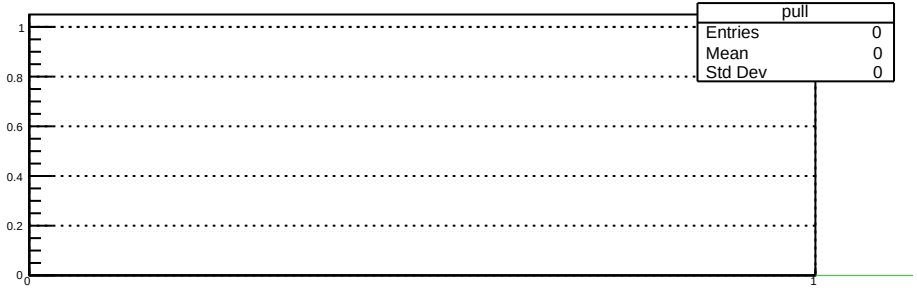

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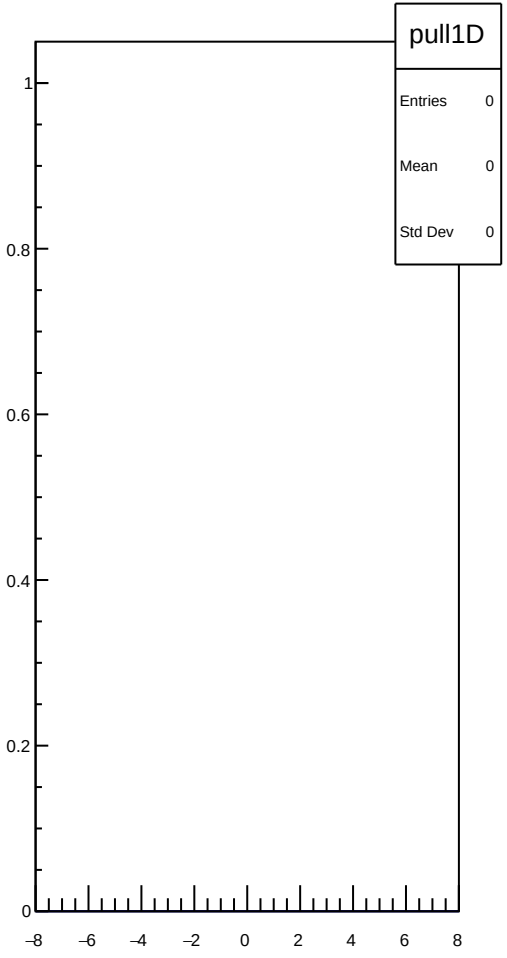

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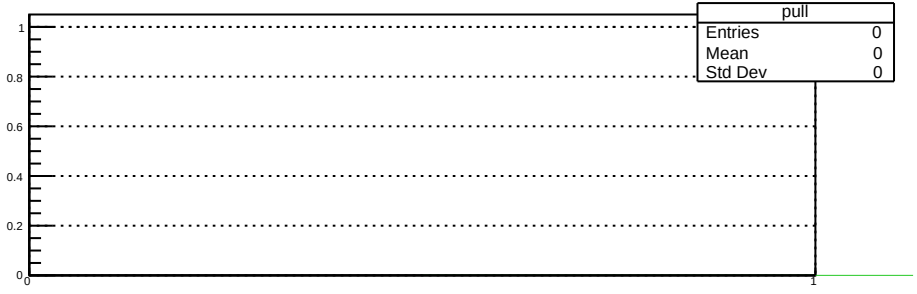

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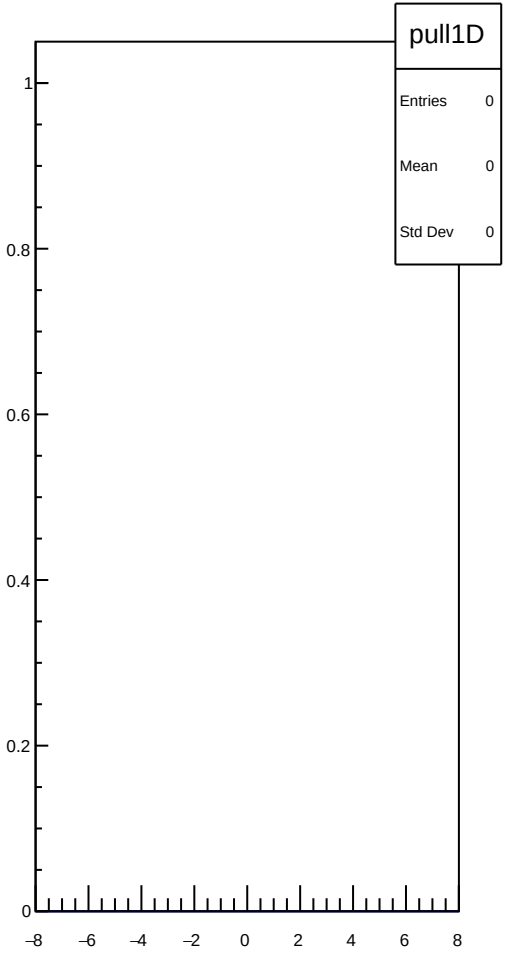

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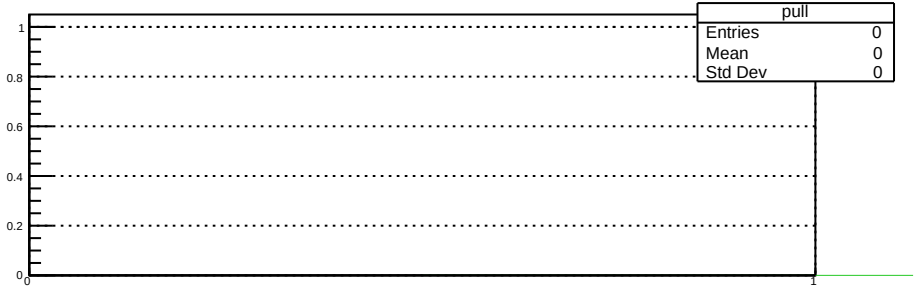

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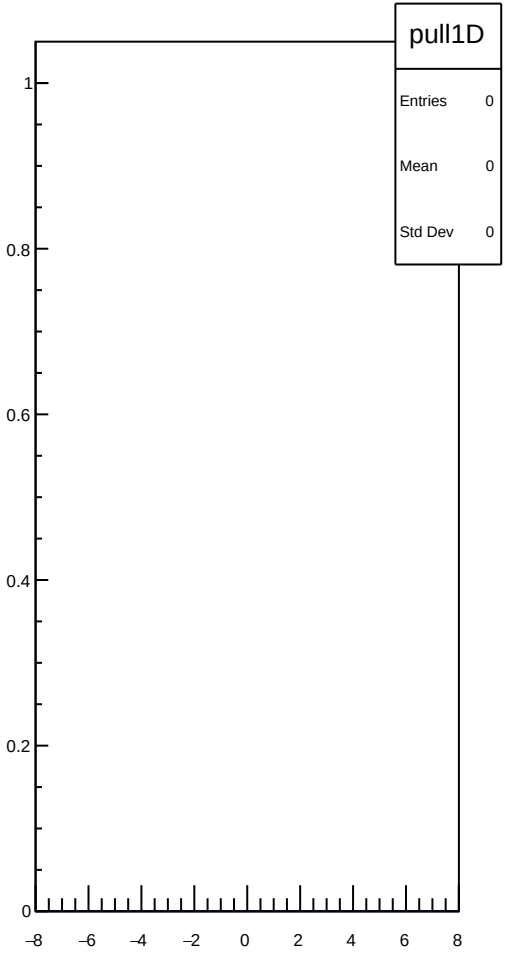

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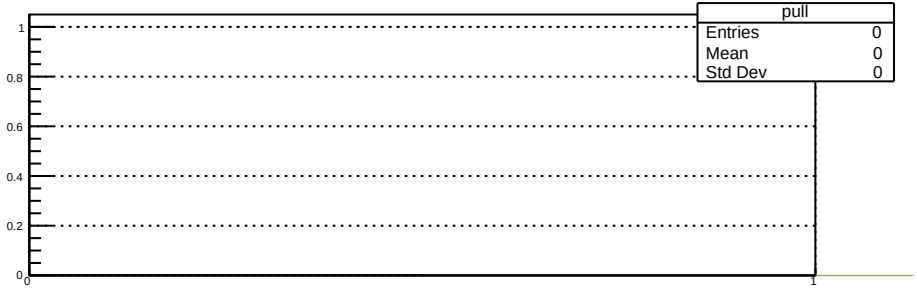

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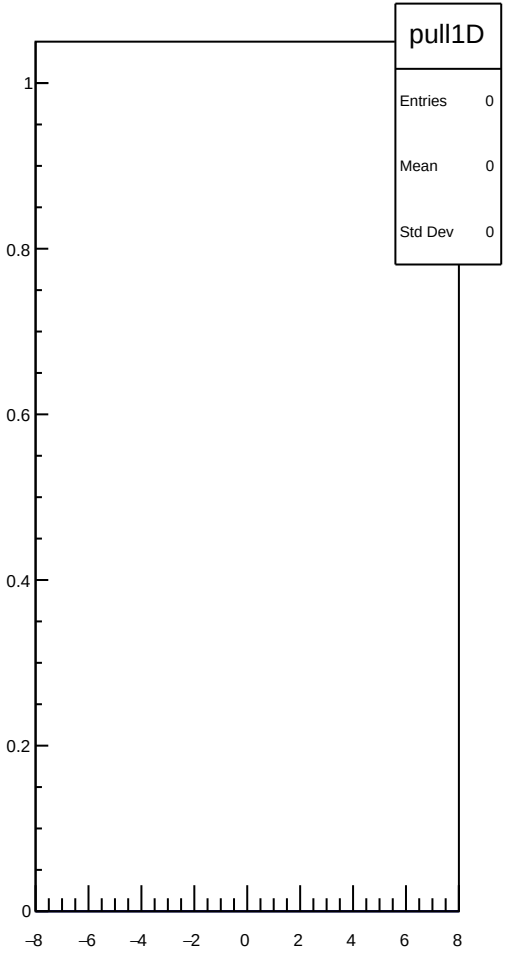

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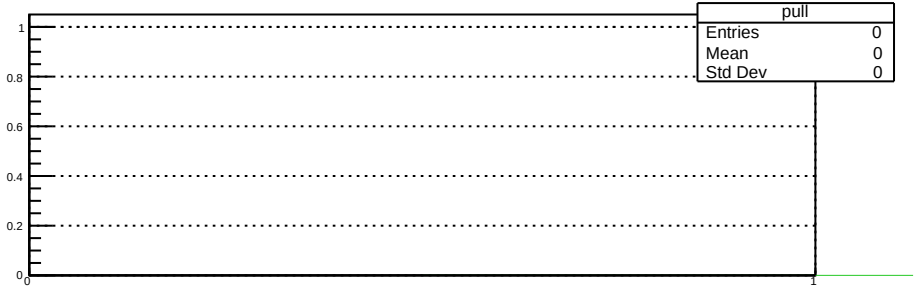

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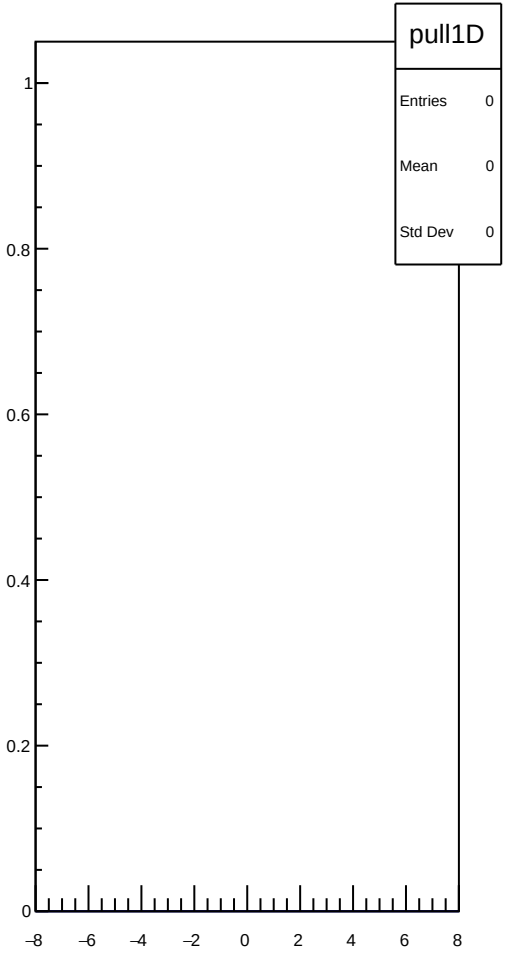

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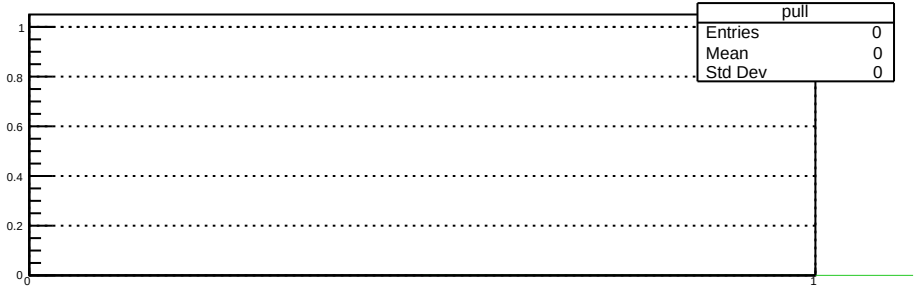

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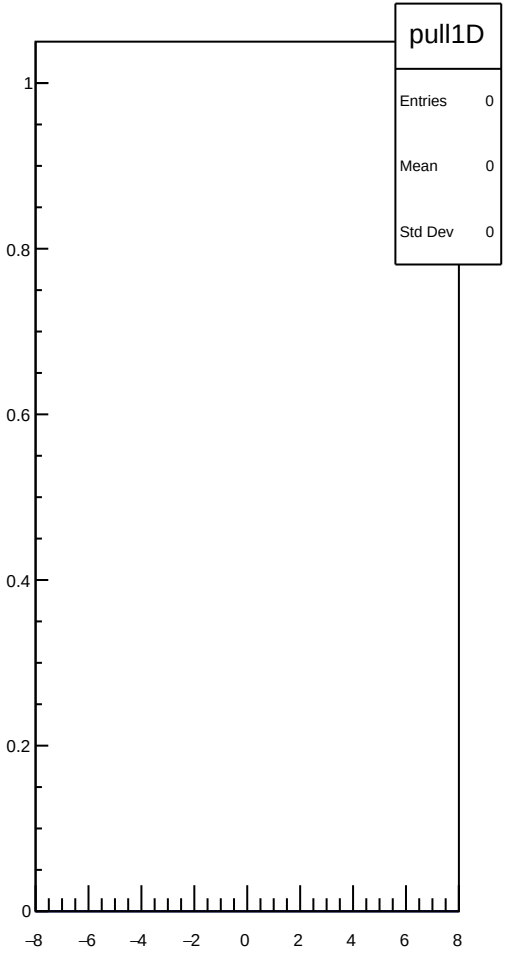

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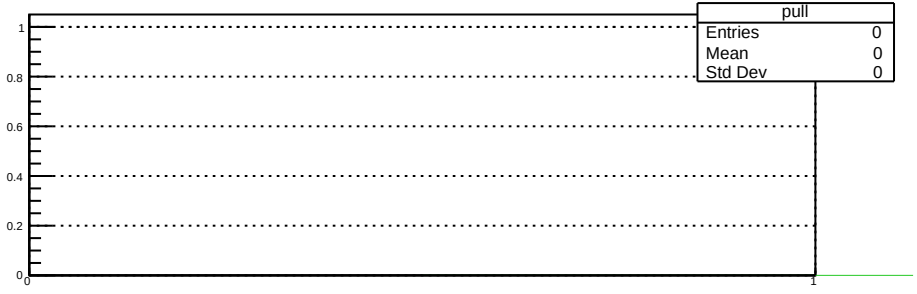

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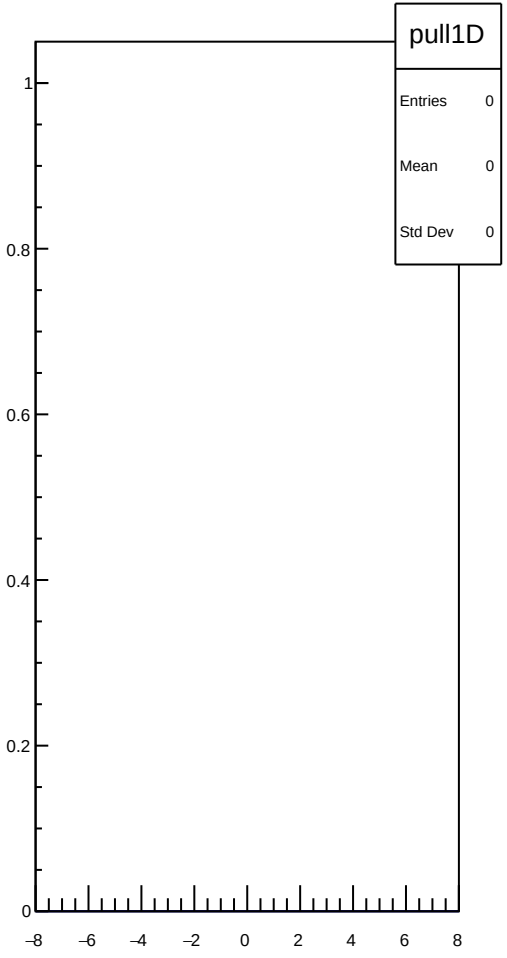

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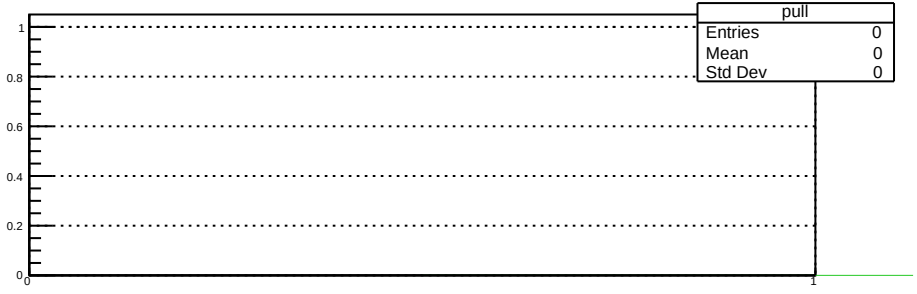

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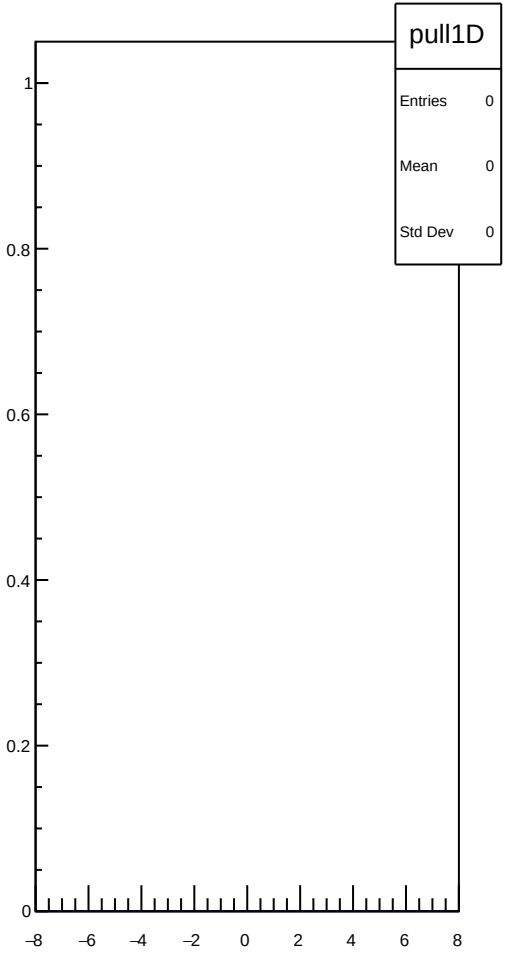

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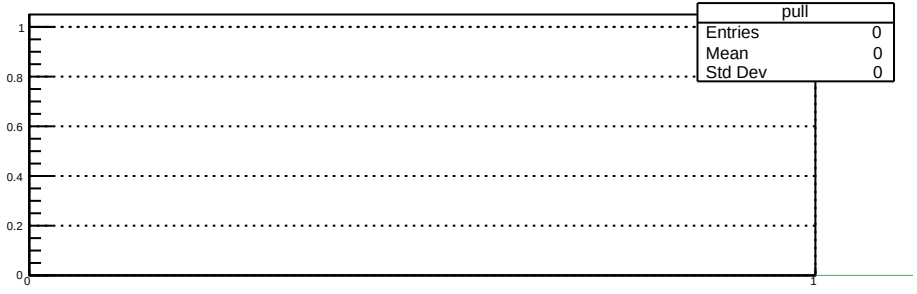

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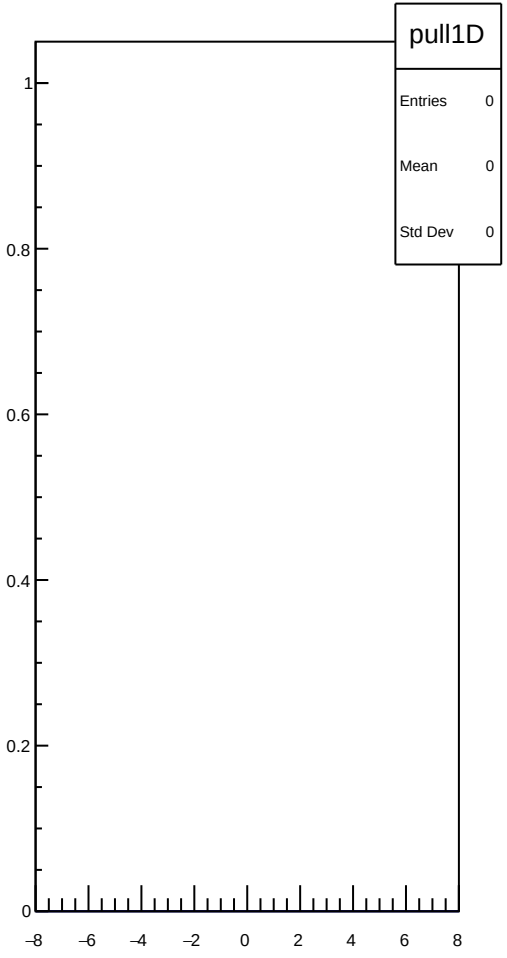

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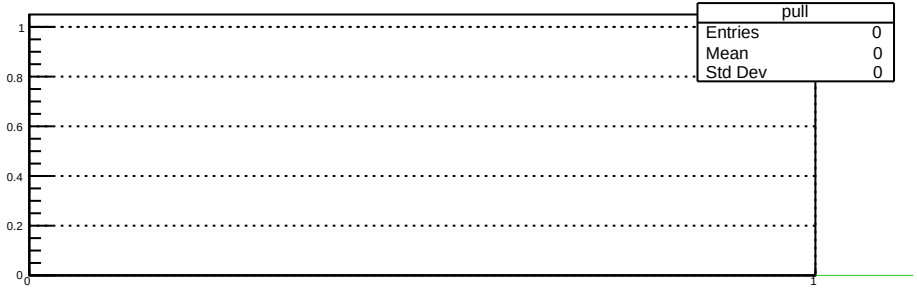

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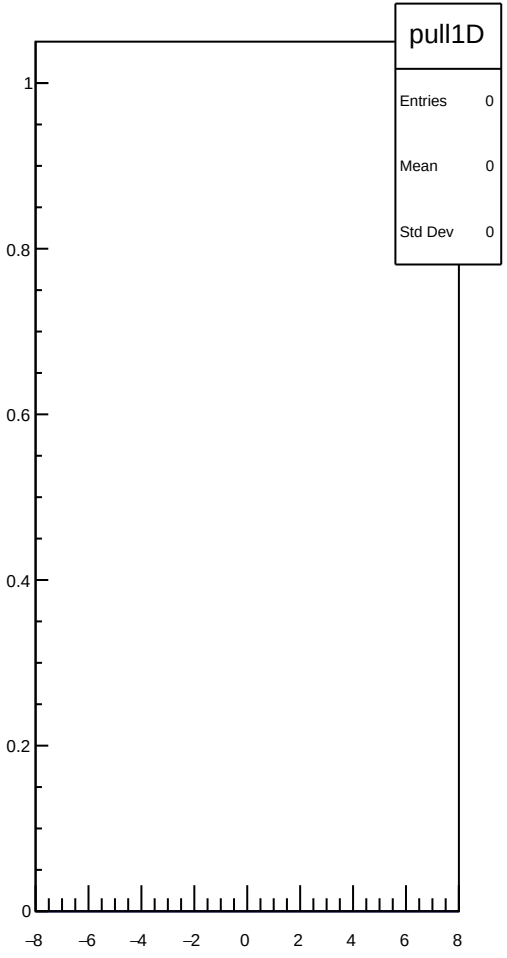

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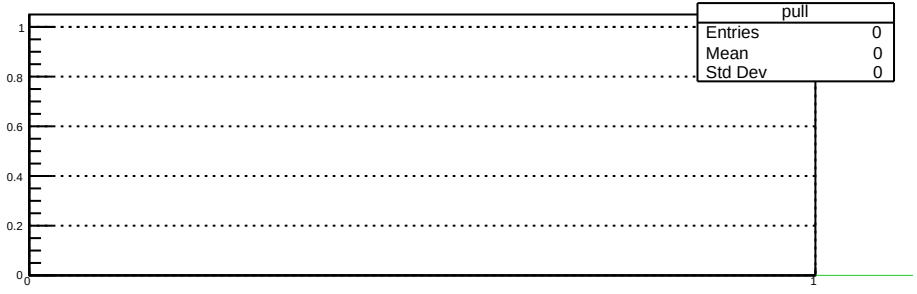

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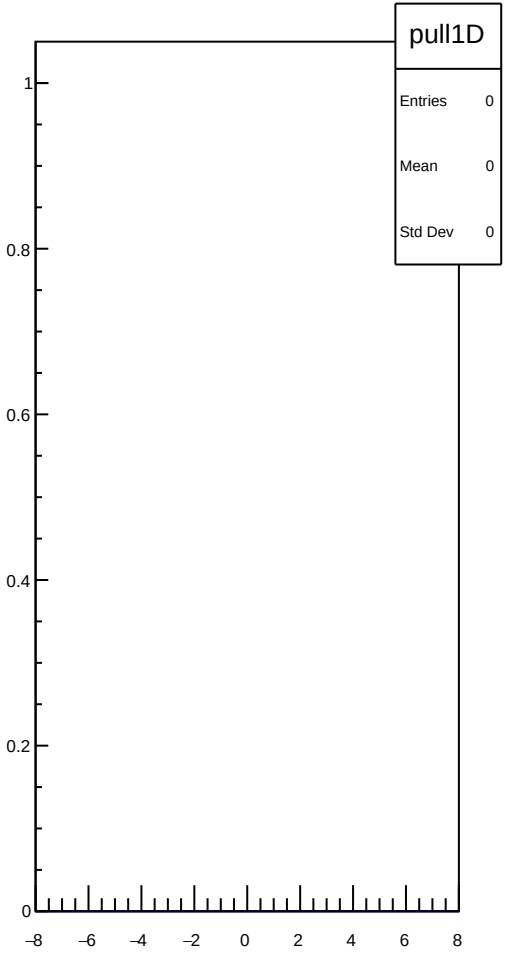

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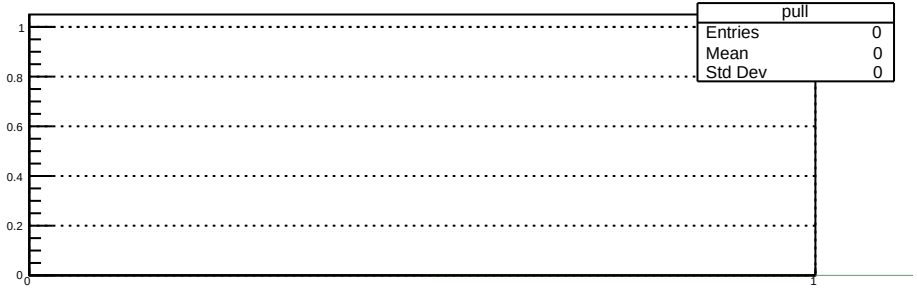

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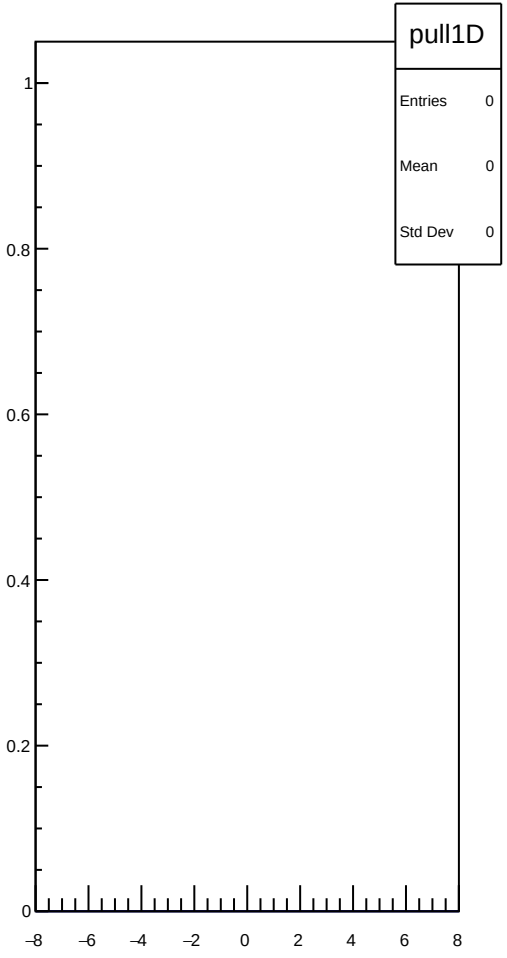

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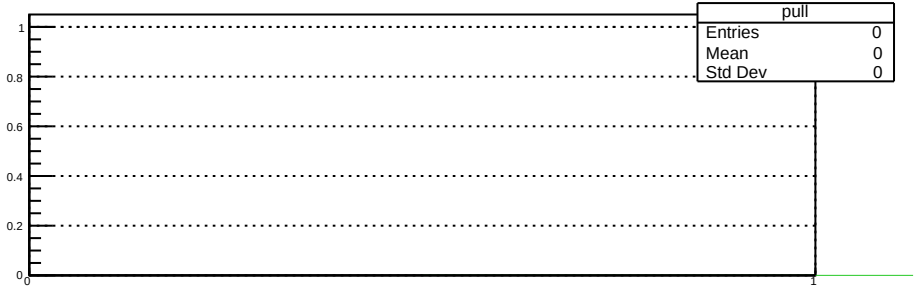

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6
8

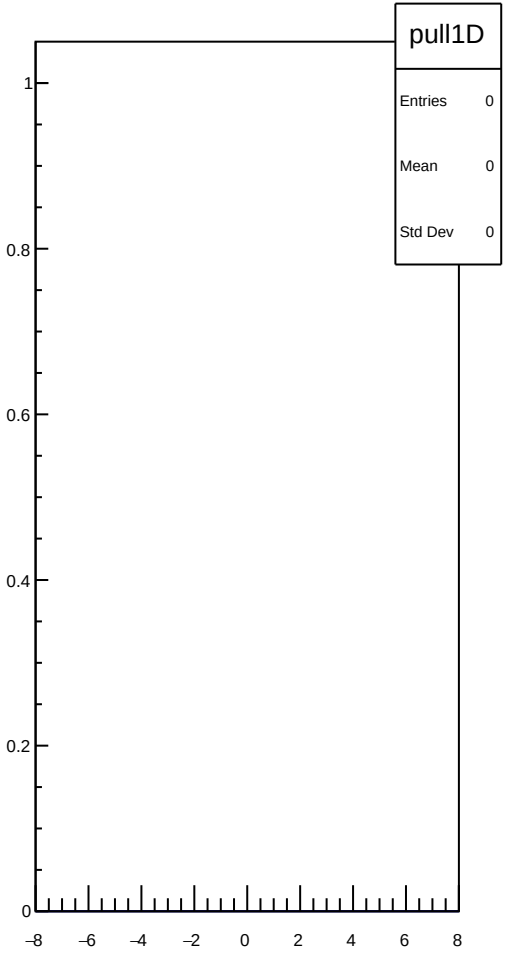

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

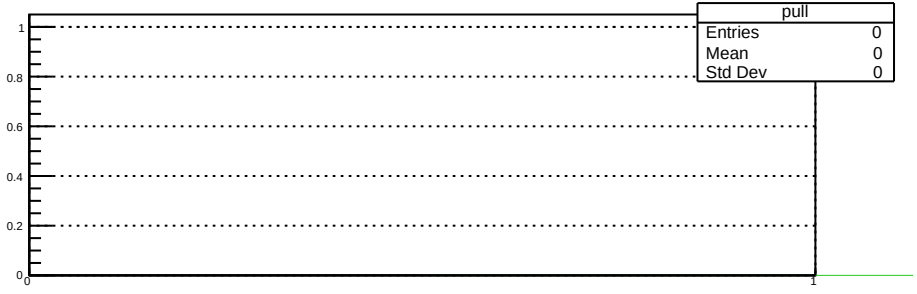

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
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8

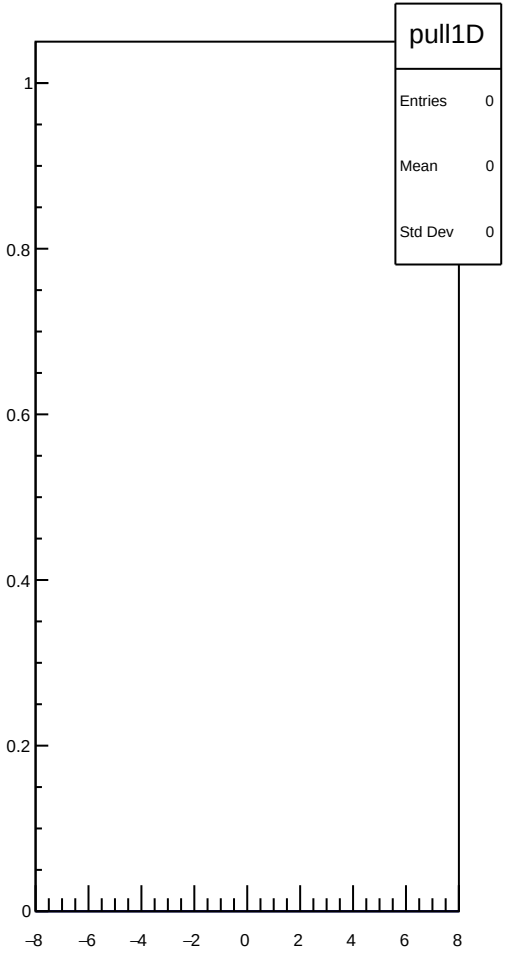

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
0
1

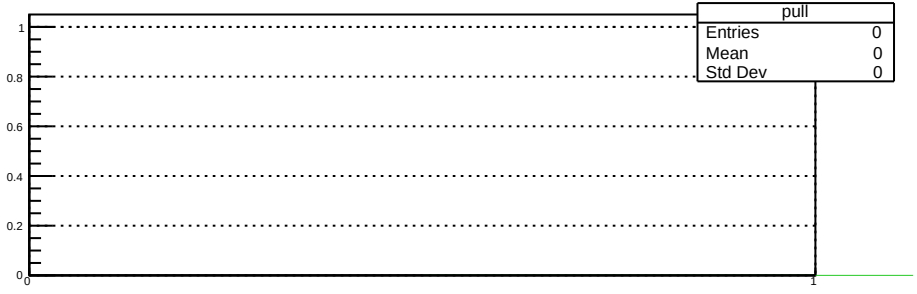

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Entries 0
Mean 0
Std Dev 0
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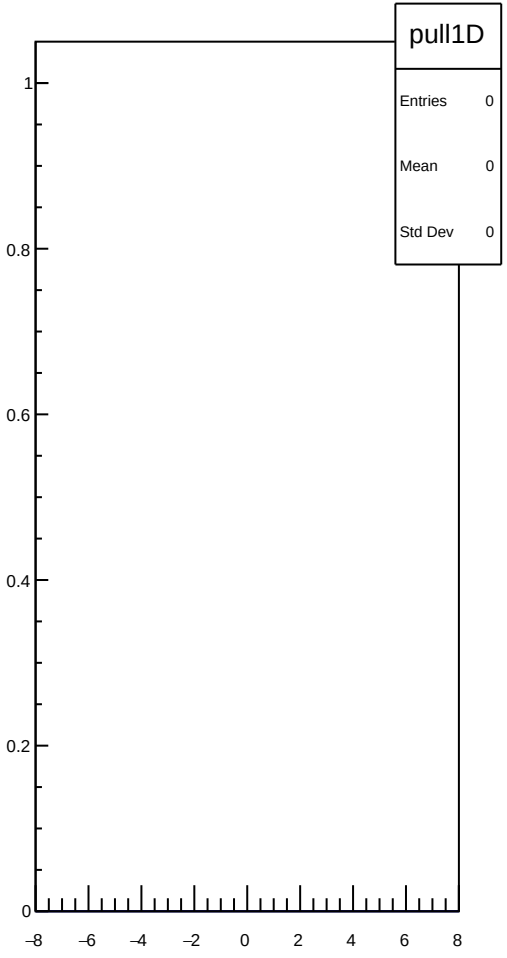

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0.6
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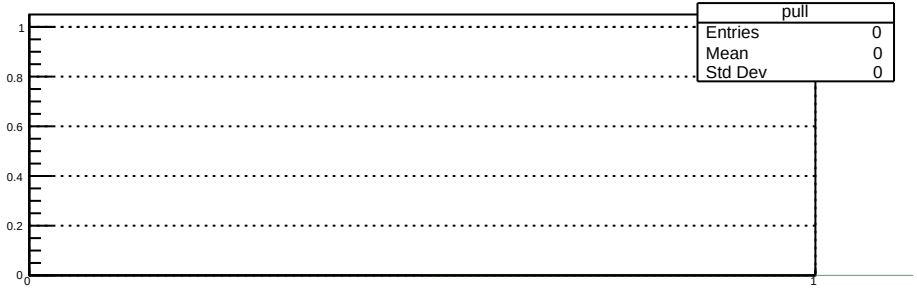

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Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–4
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6
8

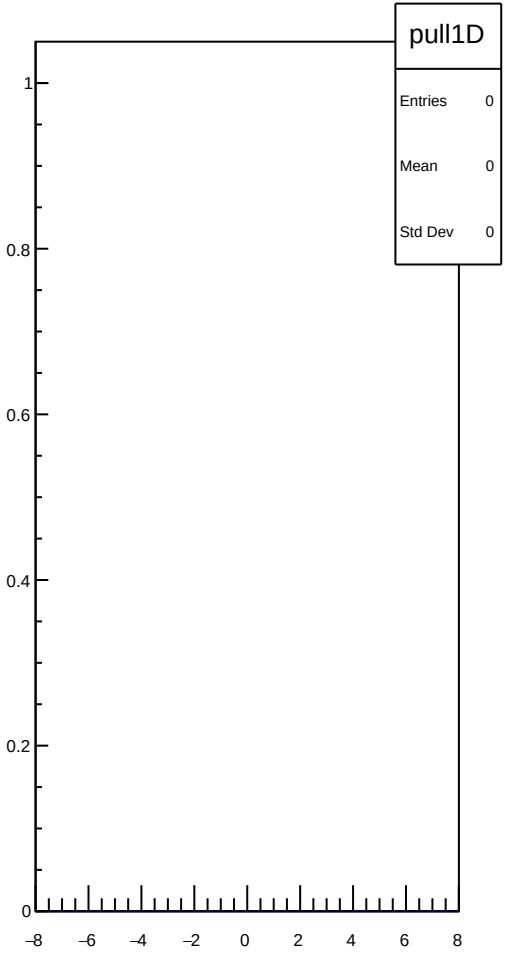

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
1

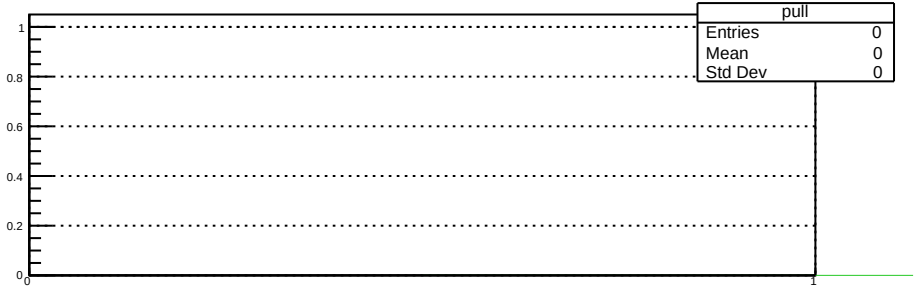

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Entries 0
Mean 0
Std Dev 0
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0.4
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–4
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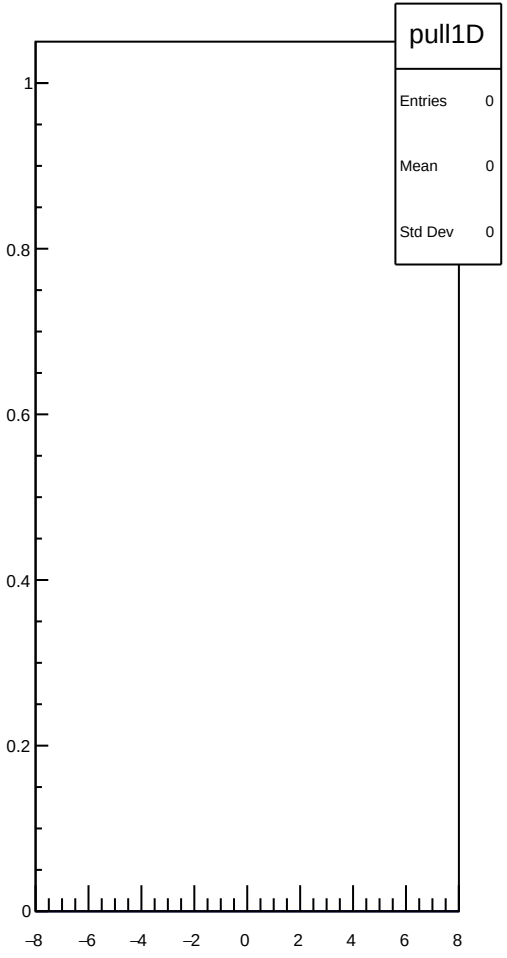

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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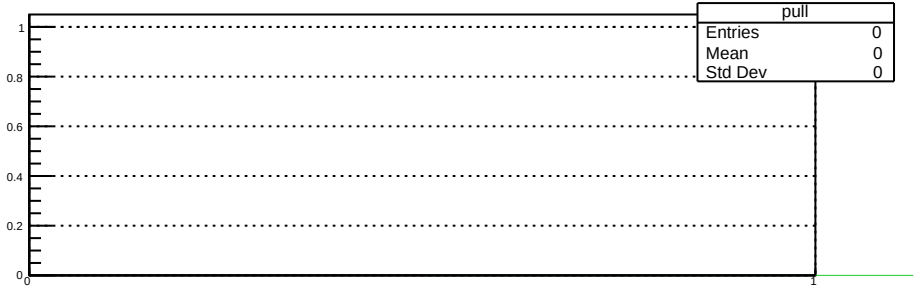

pull1D
Entries 0
Mean 0
Std Dev 0
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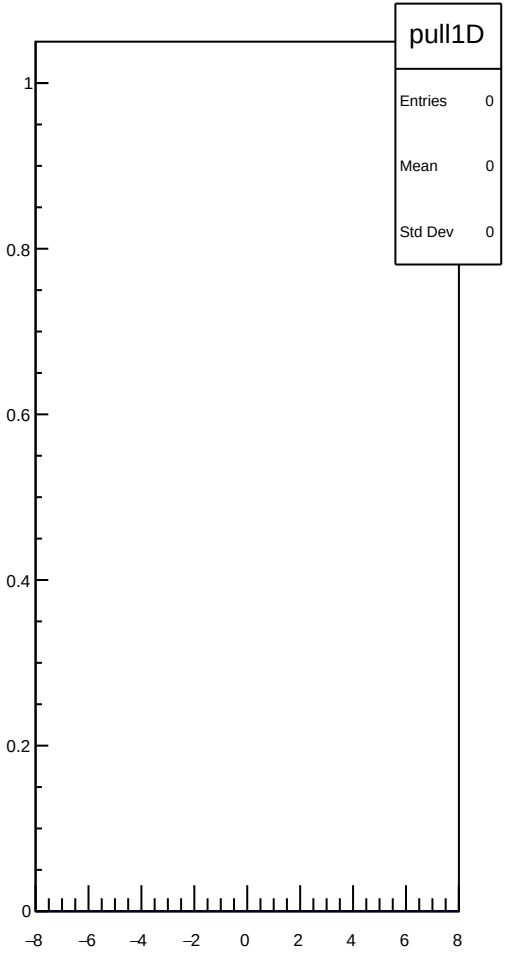

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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1

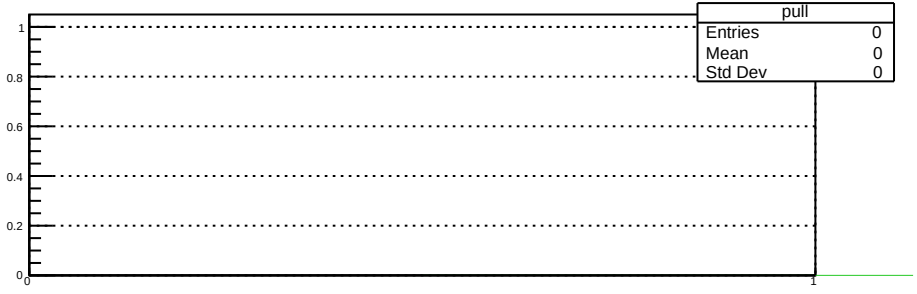

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
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4
6
8

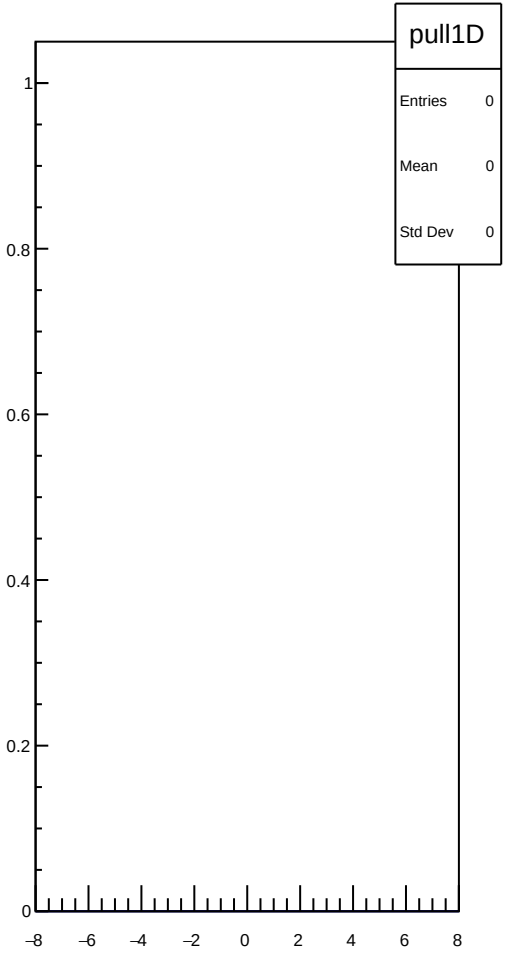

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

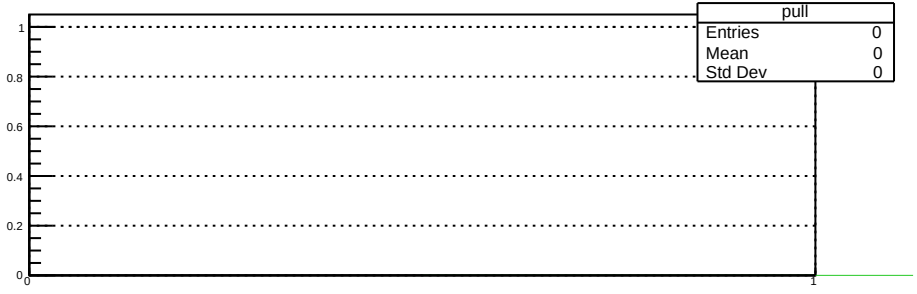

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
–2
0
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6
8

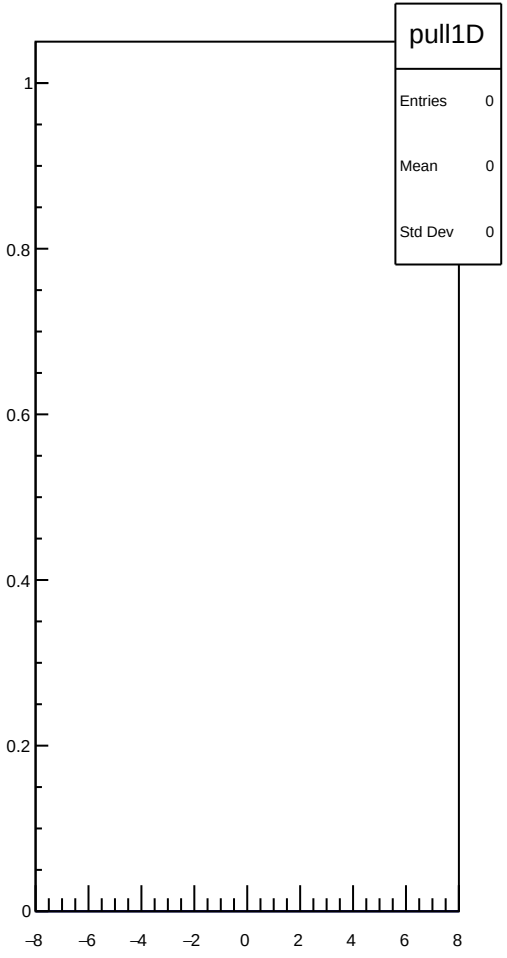

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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1

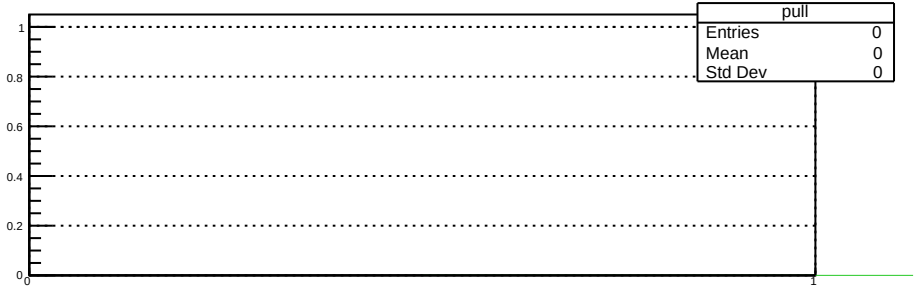

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Mean 0
Std Dev 0
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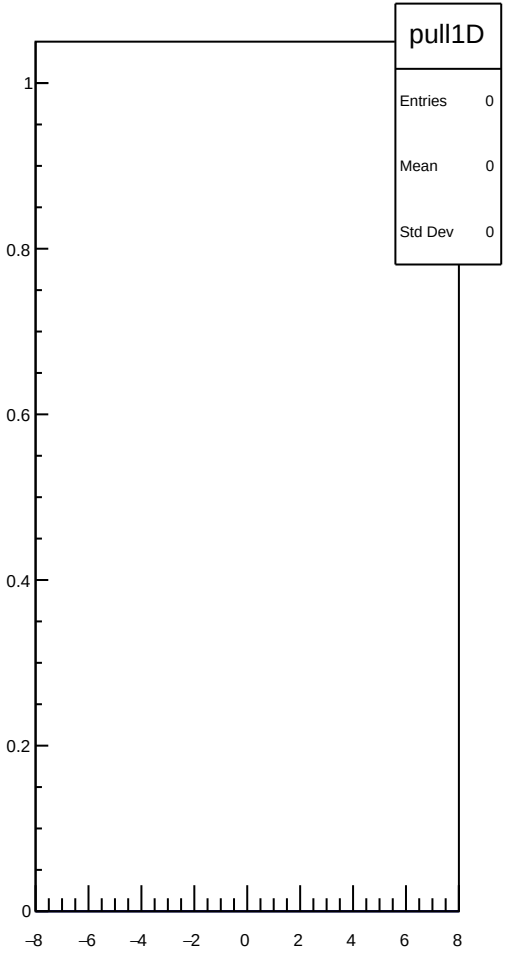

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

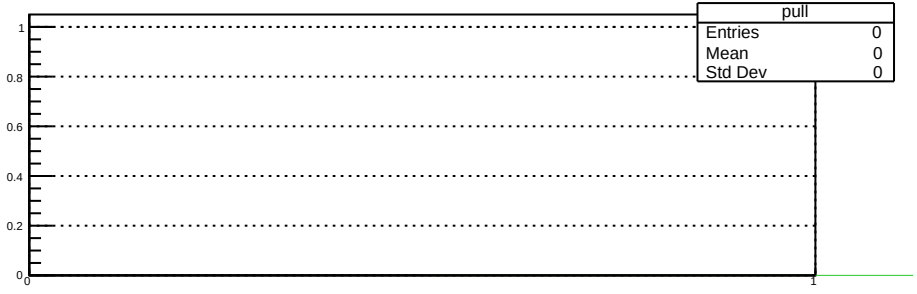

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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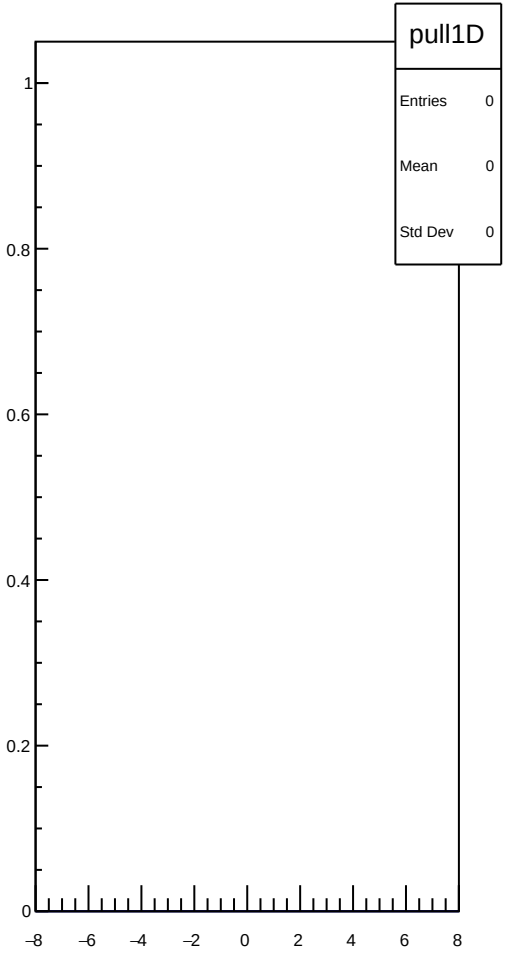

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Entries 0
Mean 0
Std Dev 0
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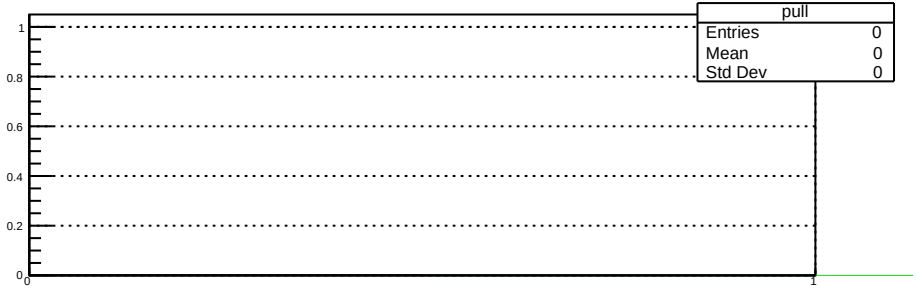

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Entries 0
Mean 0
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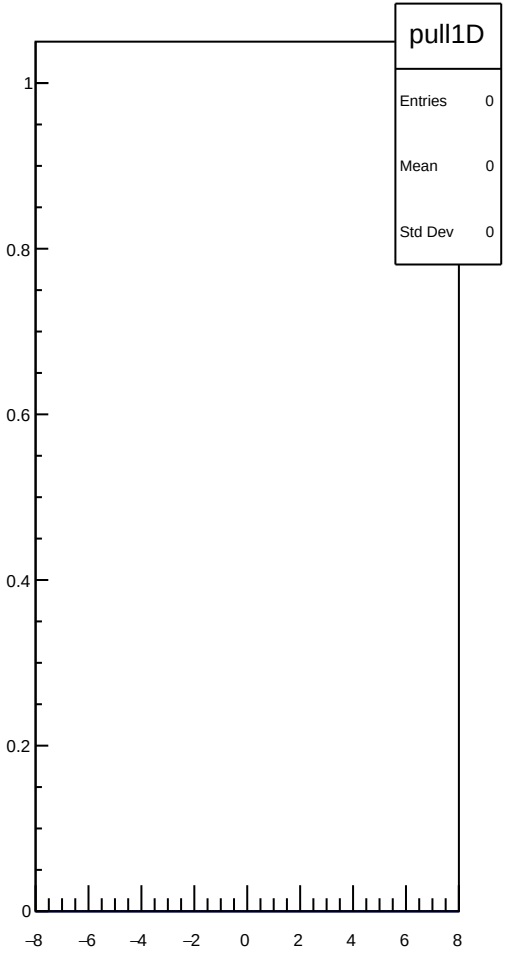

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Entries 0
Mean 0
Std Dev 0
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0.6
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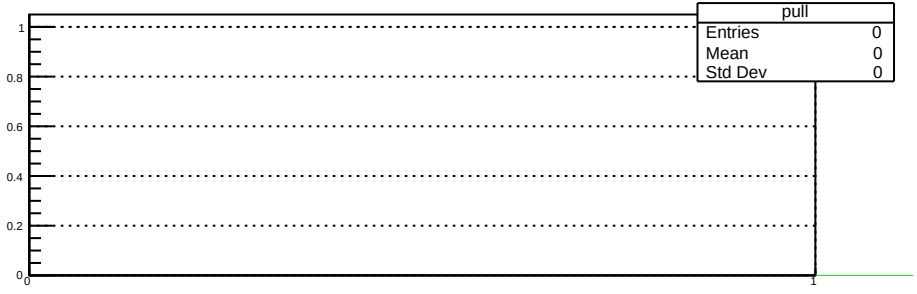

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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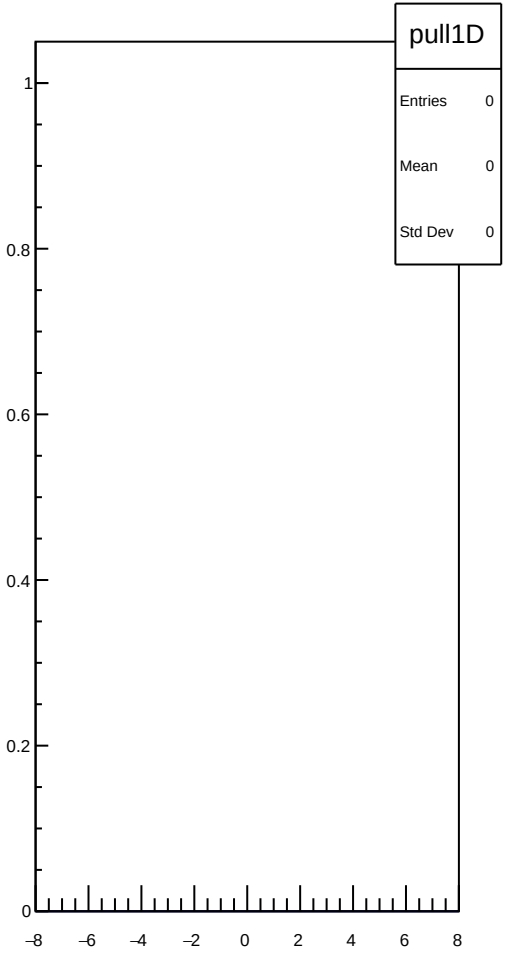

pull
Entries 0
Mean 0
Std Dev 0
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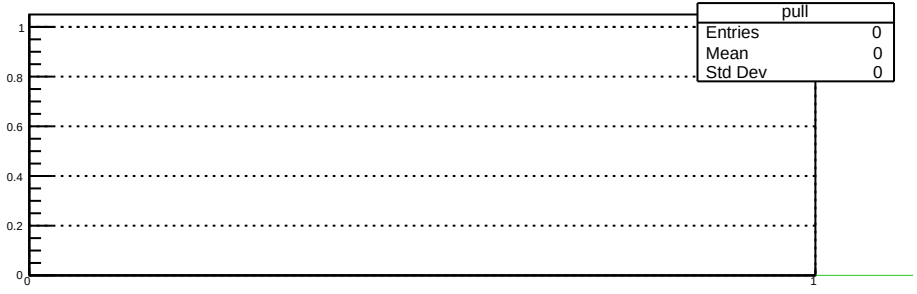

pull1D
Entries 0
Mean 0
Std Dev 0
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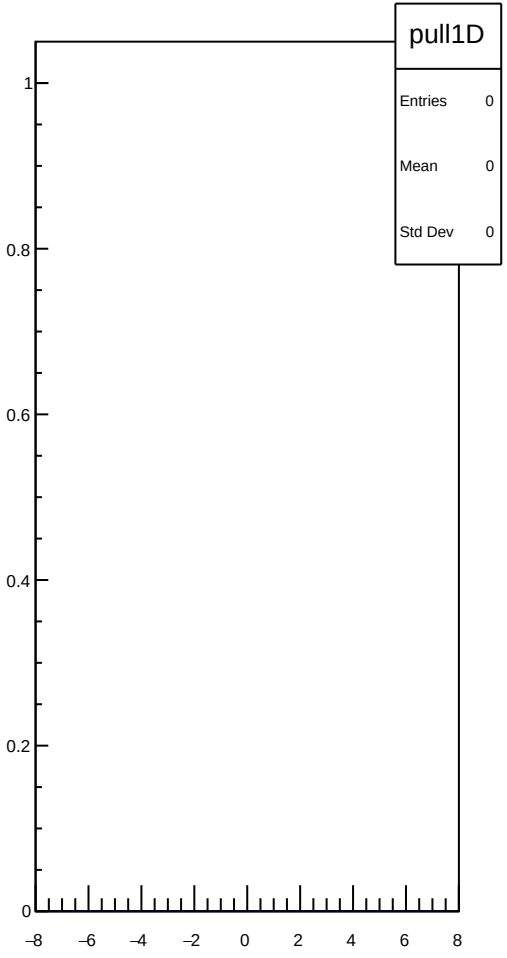

pull
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Mean 0
Std Dev 0
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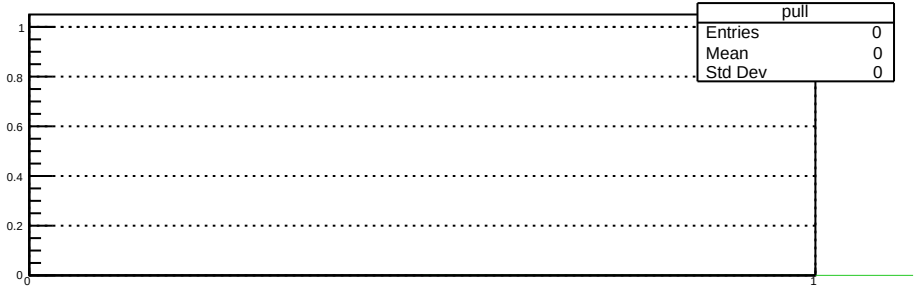

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–4
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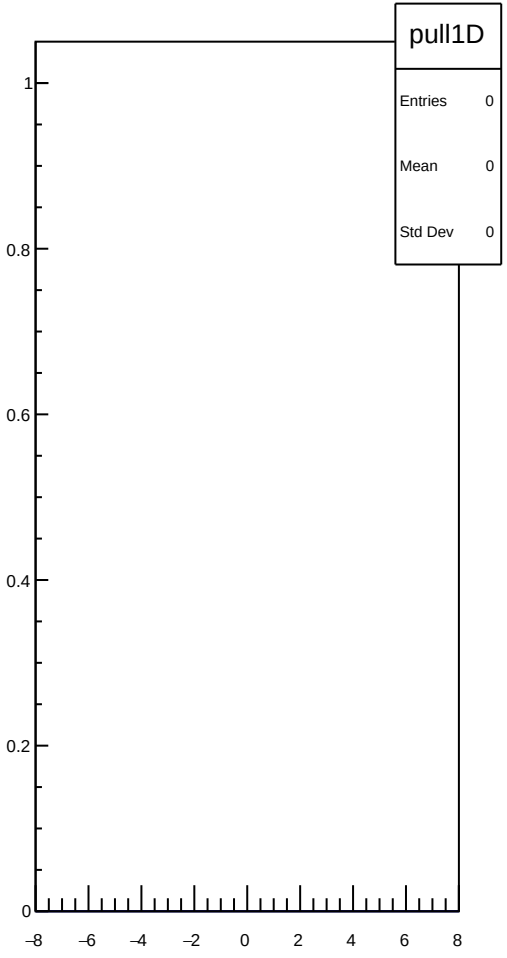

pull
Entries 0
Mean 0
Std Dev 0
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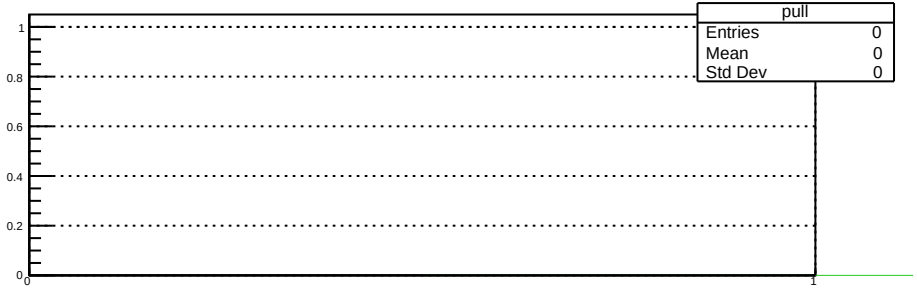

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Entries 0
Mean 0
Std Dev 0
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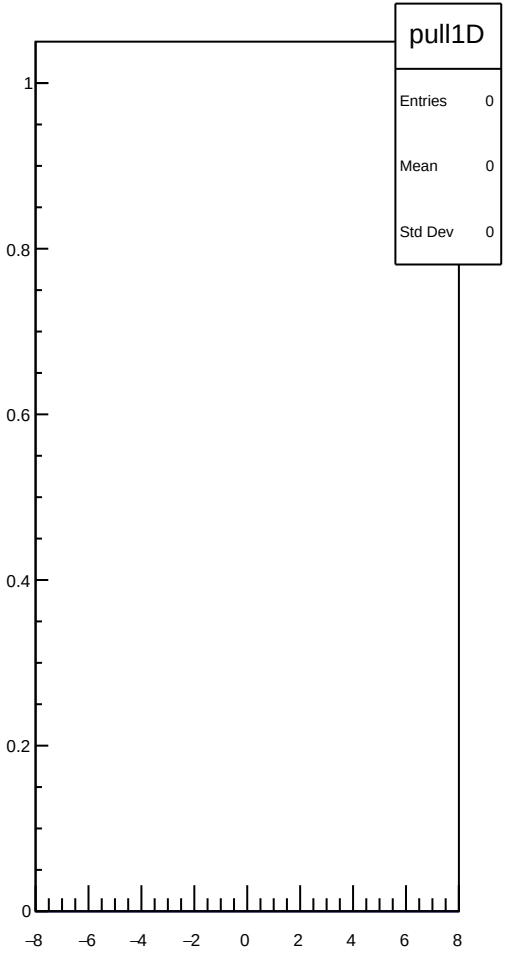

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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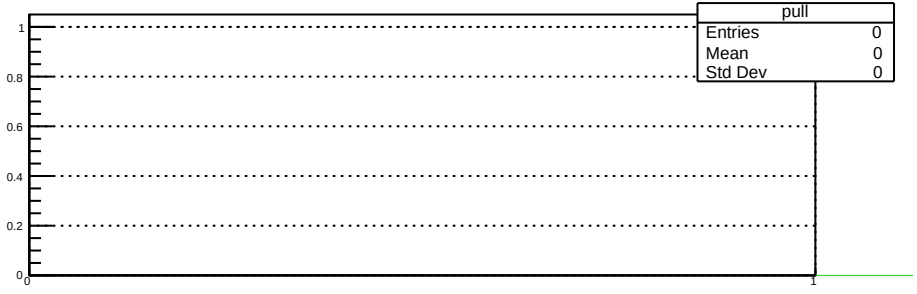

pull1D
Entries 0
Mean 0
Std Dev 0
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–4
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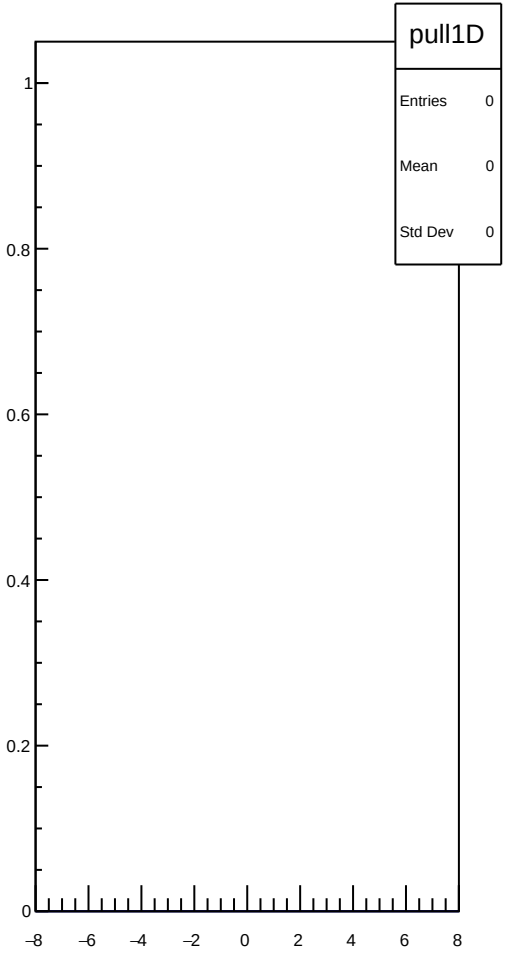

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0
1

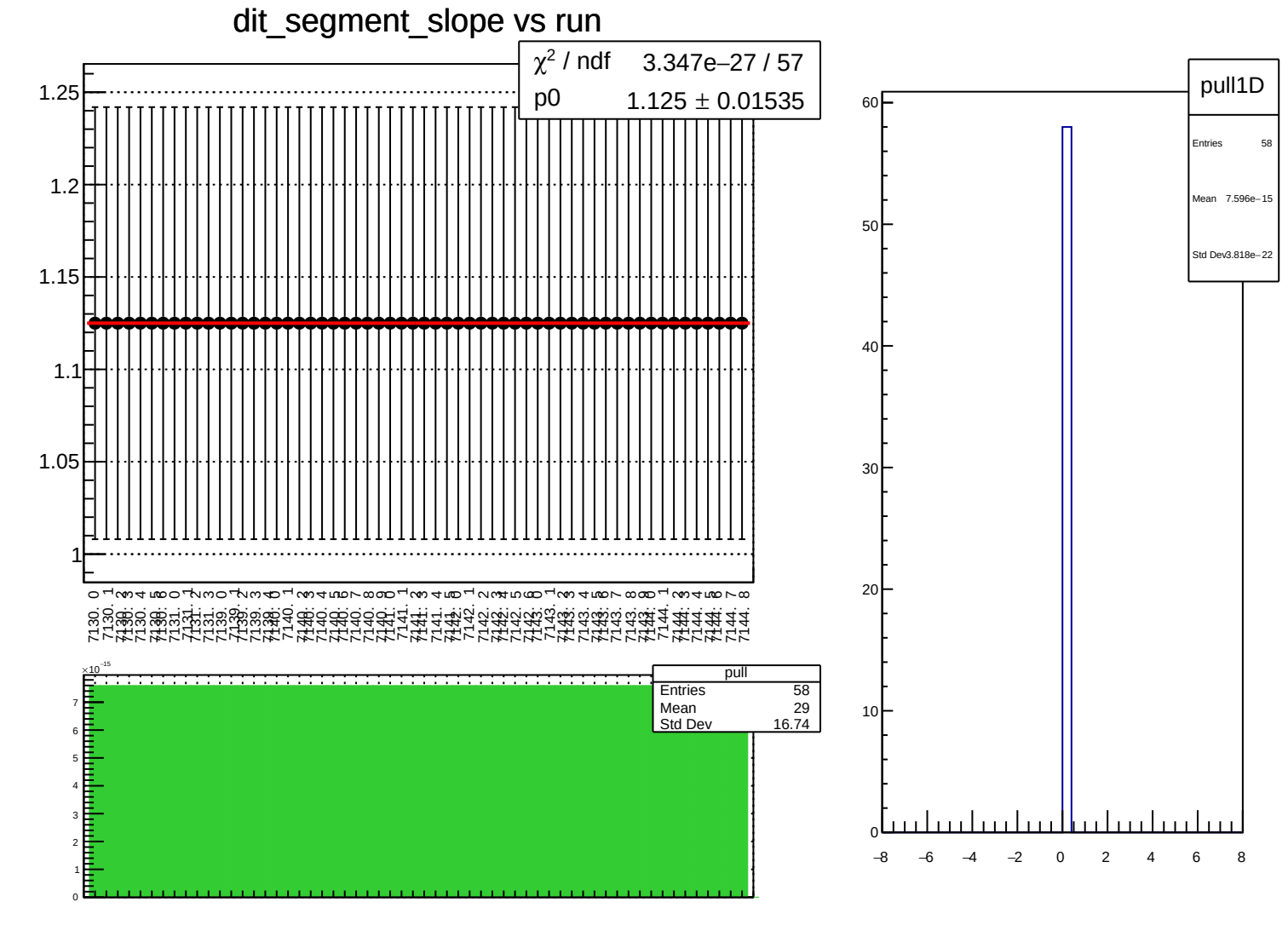

pull1D
Entries 0
Mean 0
Std Dev 0
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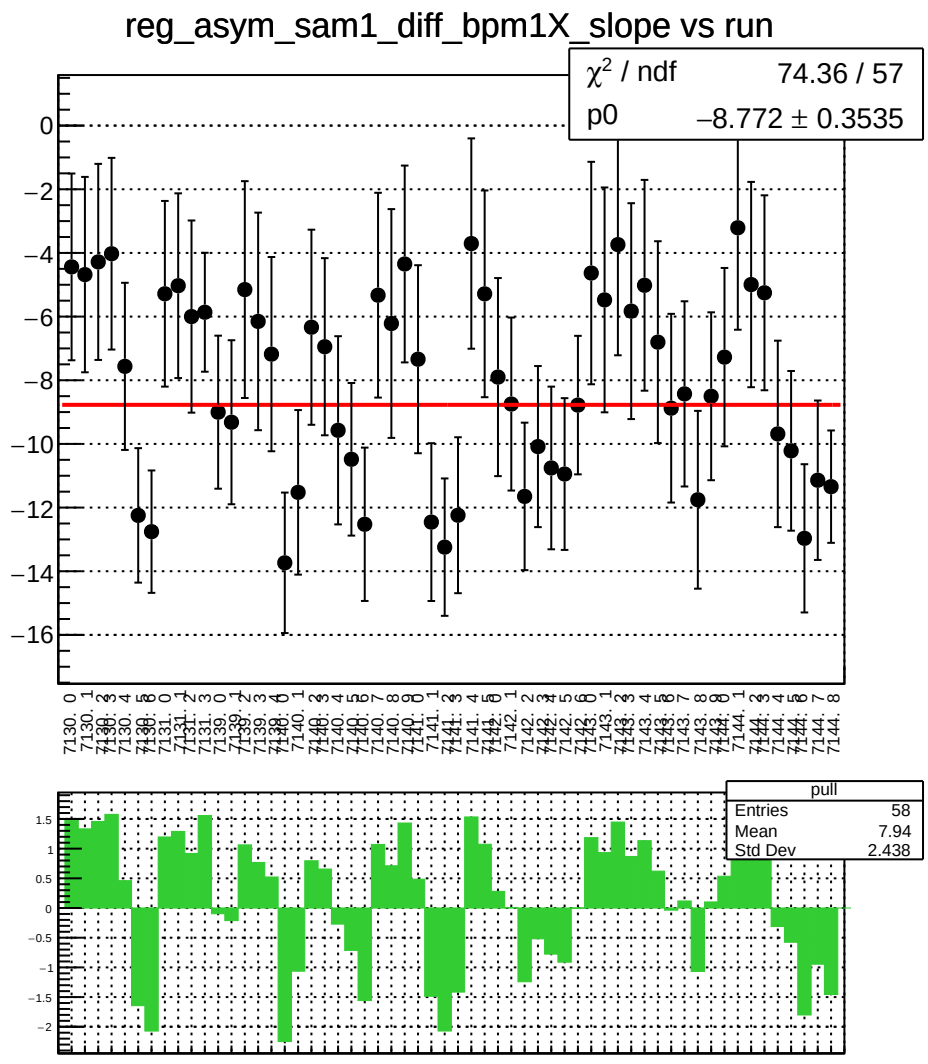

pull
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Mean 0
Std Dev 0
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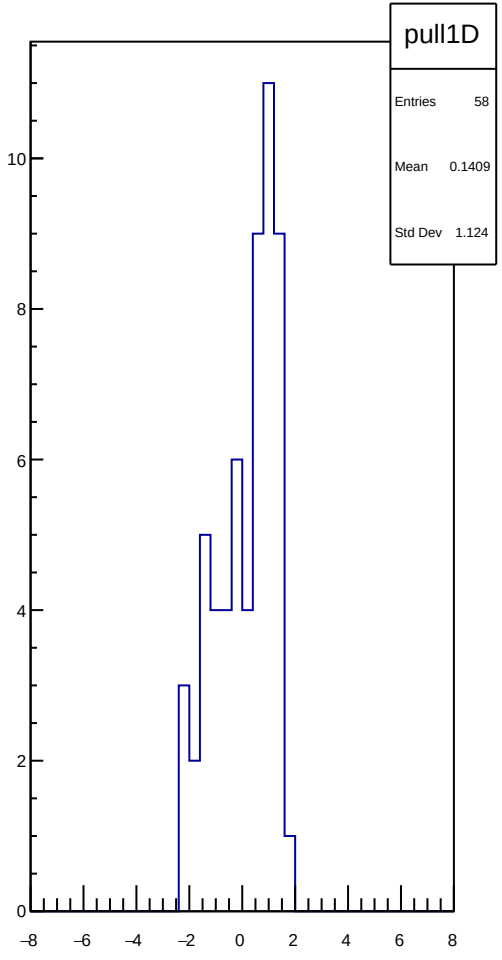

pull1D
Entries 0
Mean 0
Std Dev 0
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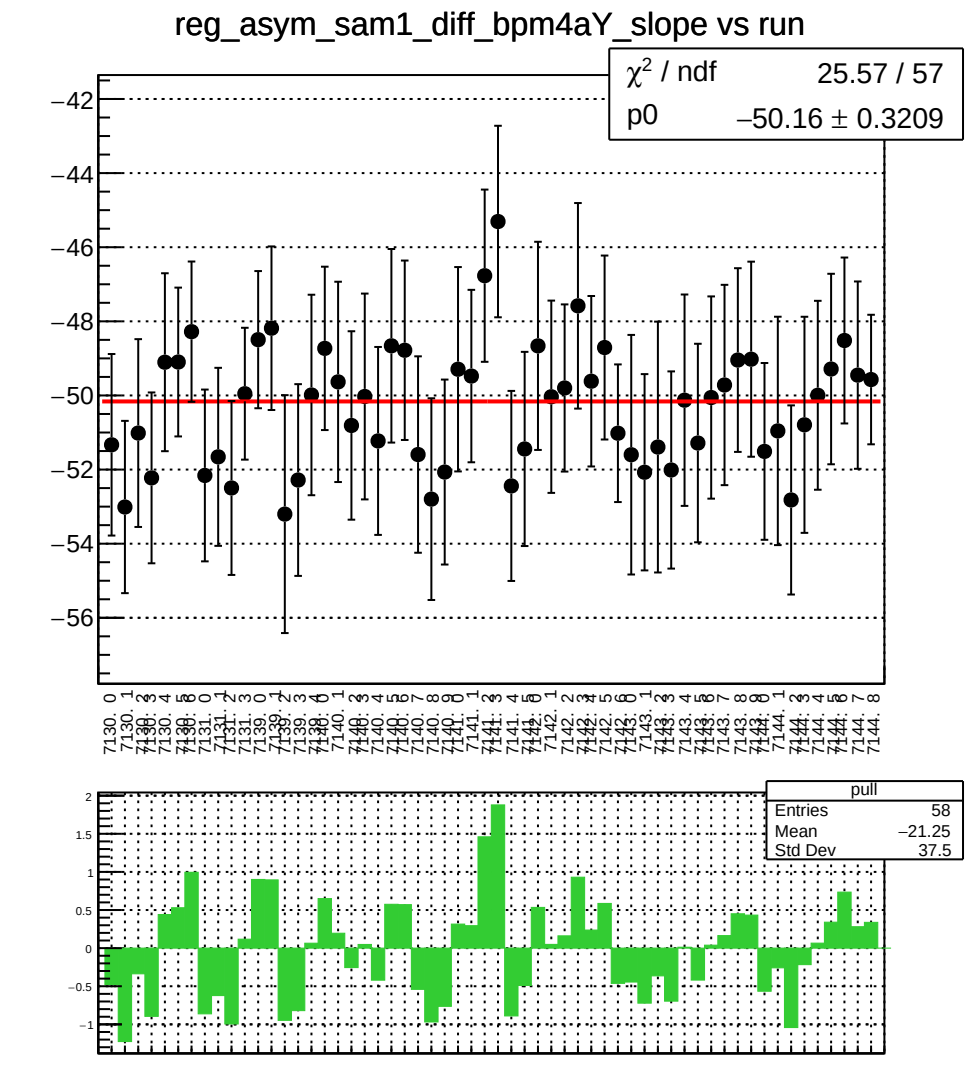

pull
Entries 0
Mean 0
Std Dev 0
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0.4
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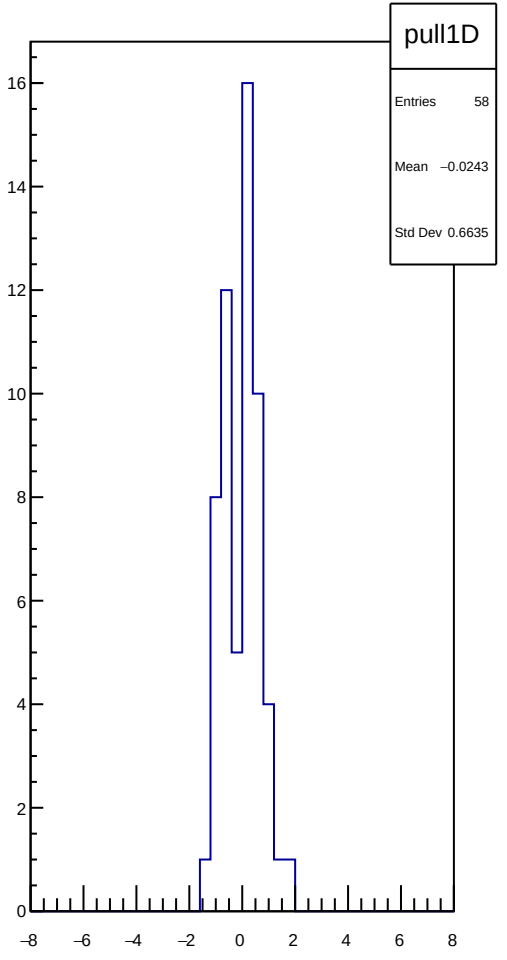

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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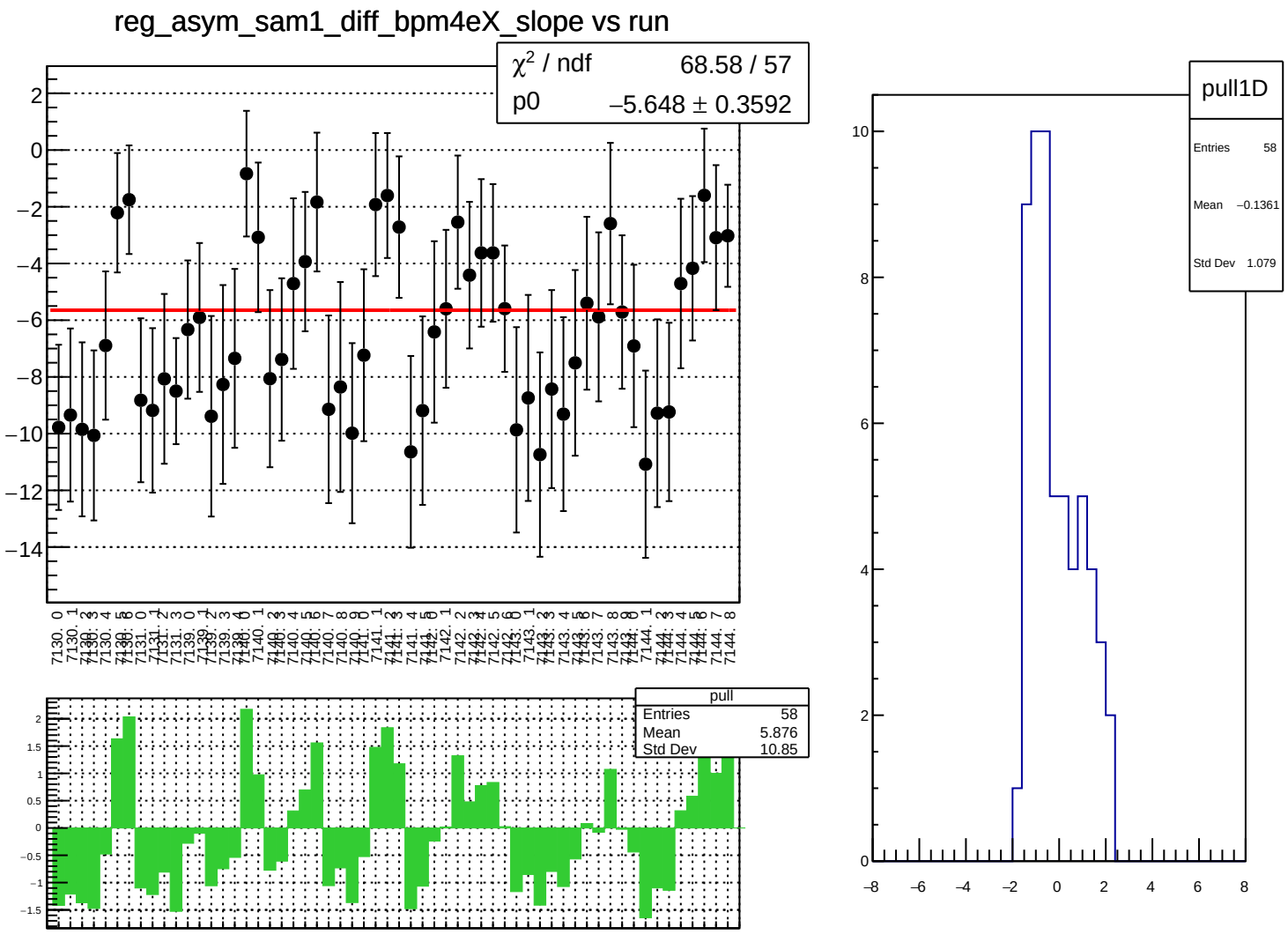

dit_segment_slope vs run
χ² / ndf 3.347e−27 / 57
p0 1.125 ± 0.01535
1.25
1.2
1.15
1.1
1.05
1
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
pull1D
Entries 58
Mean 7.596e−15
Std Dev 3.818e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

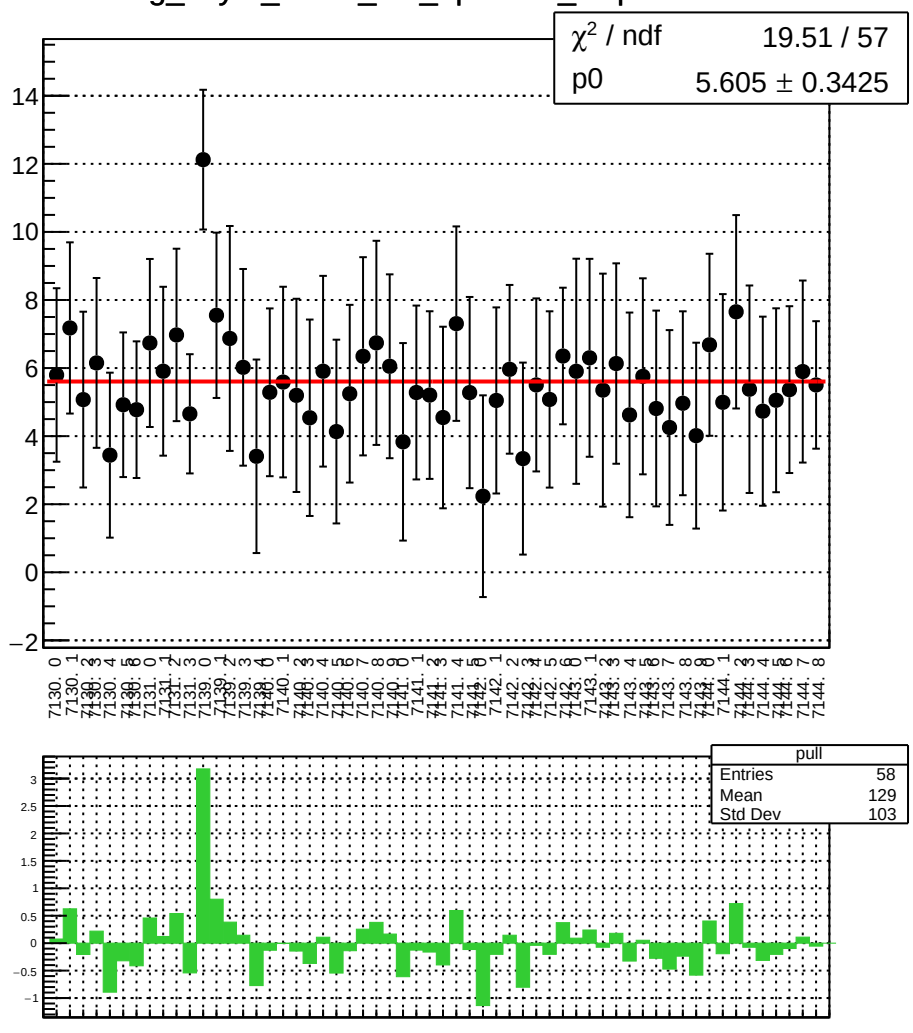

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 74.36 / 57
p0 −8.772 ± 0.3535
pull
Entries 58
Mean 7.94
Std Dev 2.438

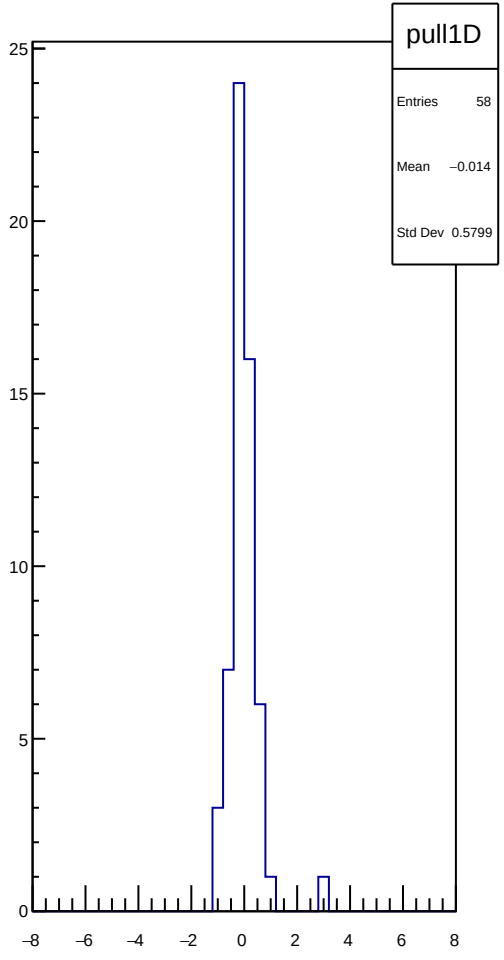

pull1D
Entries 58
Mean 0.1409
Std Dev 1.124

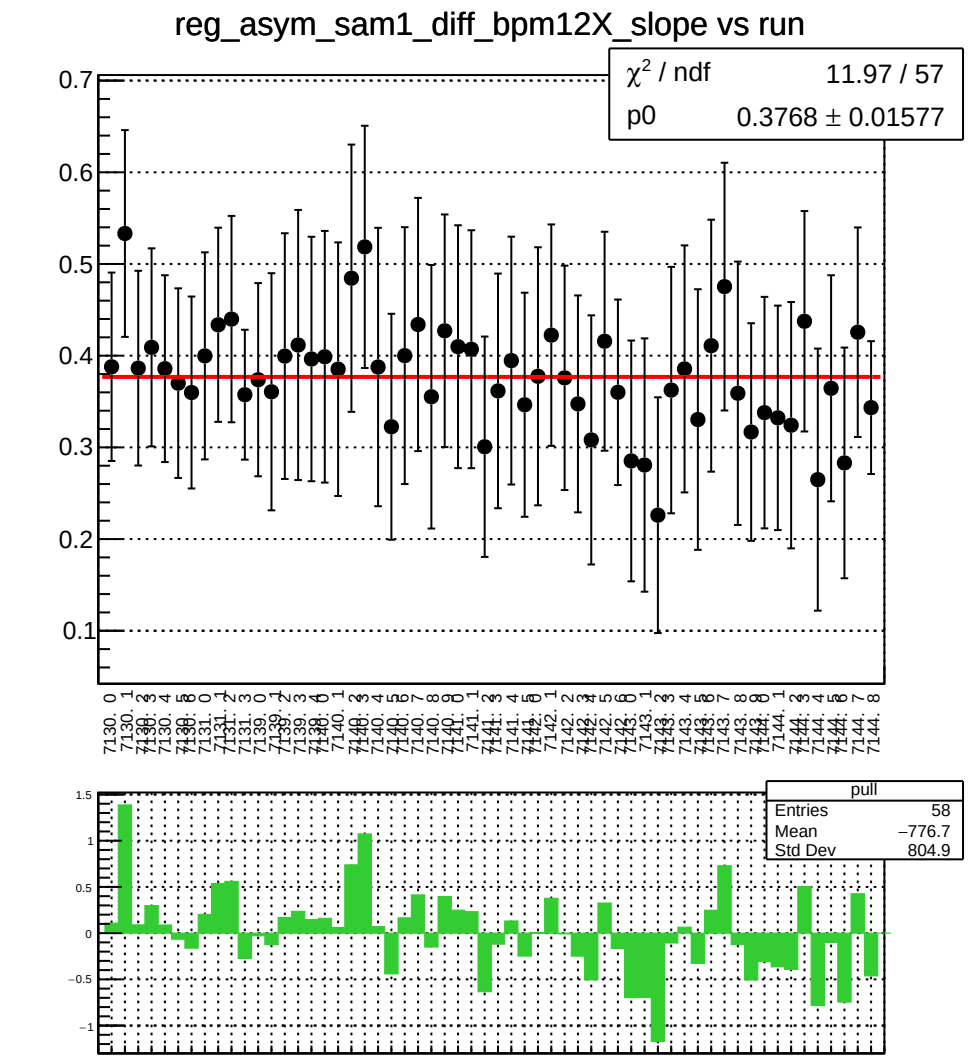

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 25.57 / 57
p0 −50.16 ± 0.3209
pull
Entries 58
Mean −21.25
Std Dev 37.5

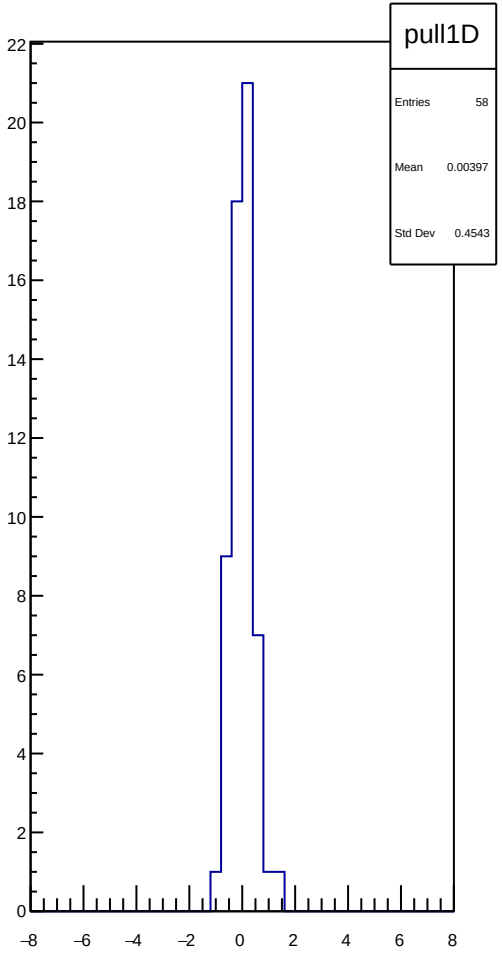

pull1D
Entries 58
Mean −0.0243
Std Dev 0.6635

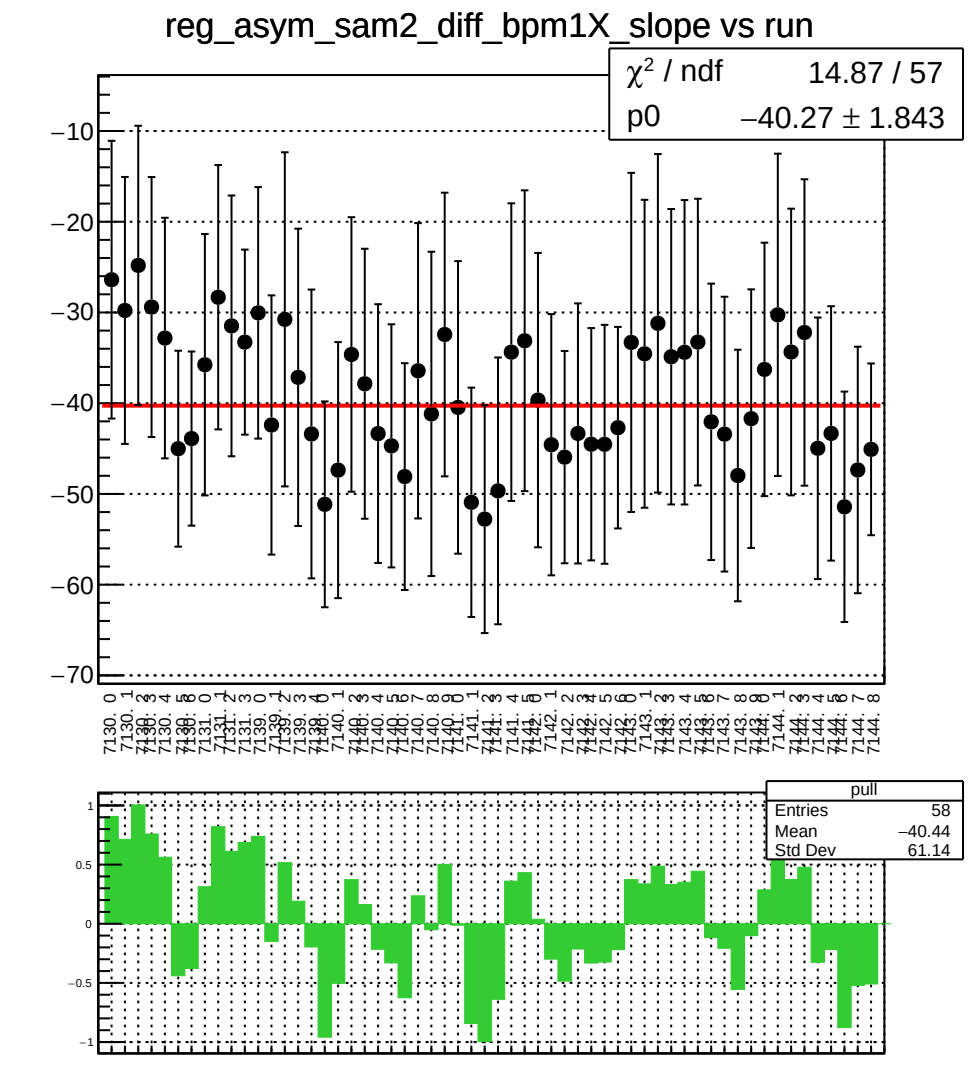

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 68.58 / 57
p0 −5.648 ± 0.3592
pull
Entries 58
Mean 5.876
Std Dev 10.85
pull1D
Entries 58
Mean −0.1361
Std Dev 1.079

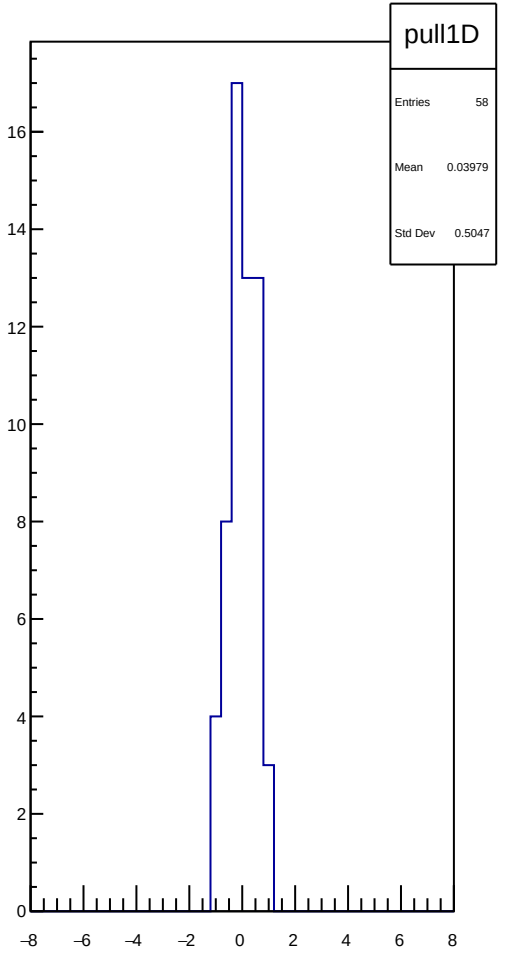

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 19.51 / 57
p0 5.605 ± 0.3425
pull
Entries 58
Mean 129
Std Dev 103

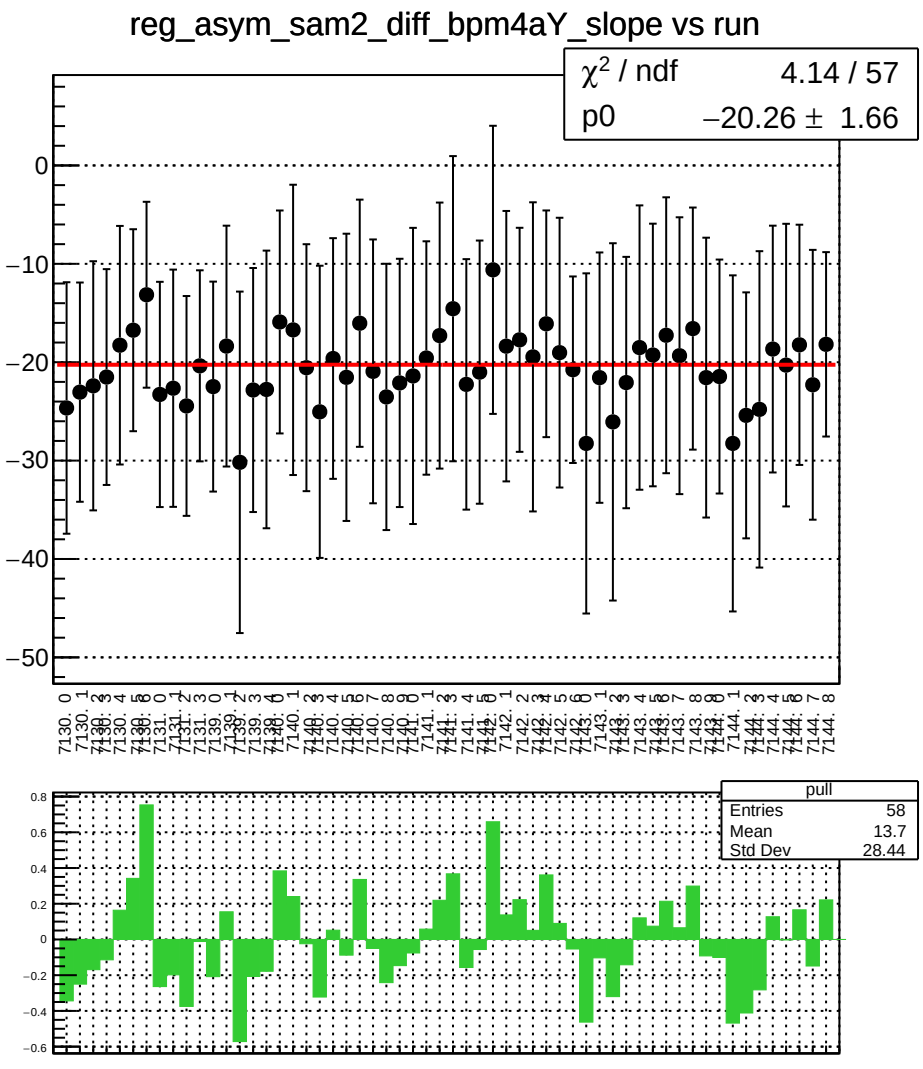

pull1D
Entries 58
Mean −0.014
Std Dev 0.5799

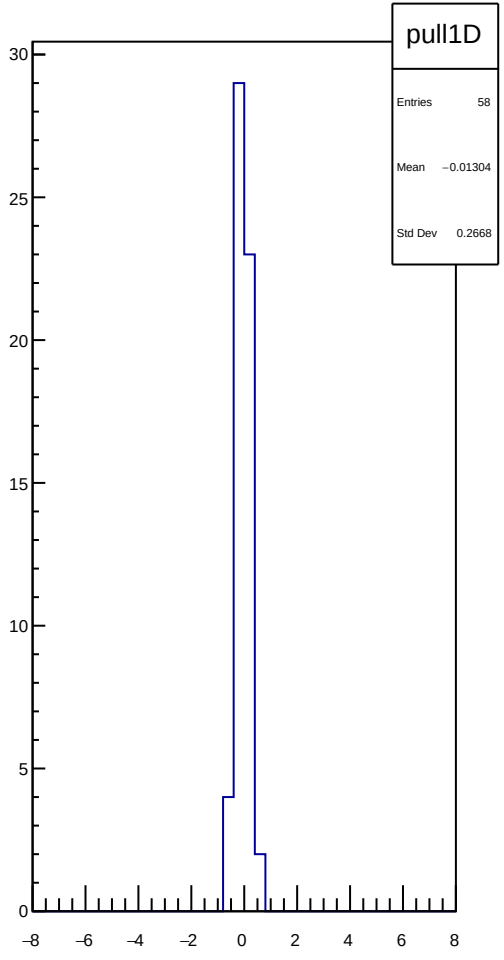

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 11.97 / 57
p0 0.3768 ± 0.01577
pull
Entries 58
Mean −776.7
Std Dev 804.9

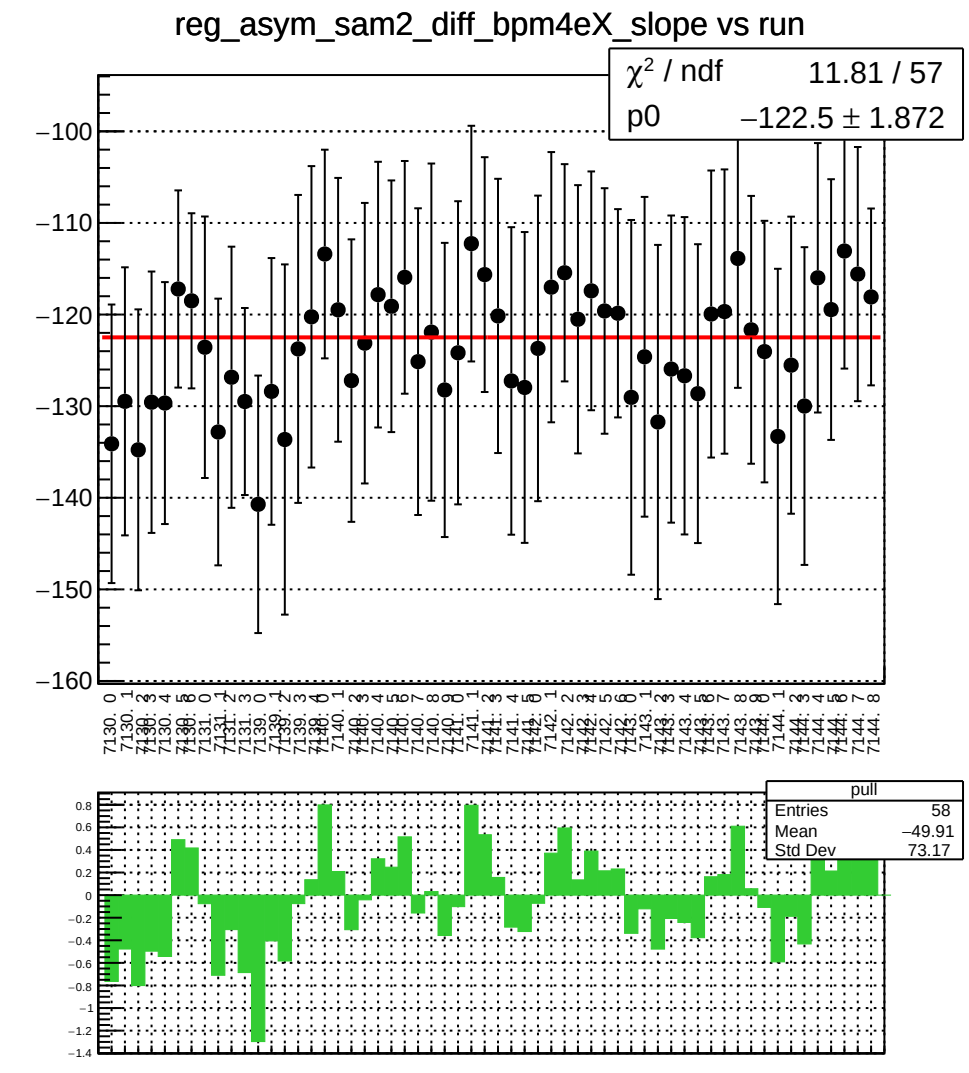

pull1D
Entries 58
Mean 0.00397
Std Dev 0.4543

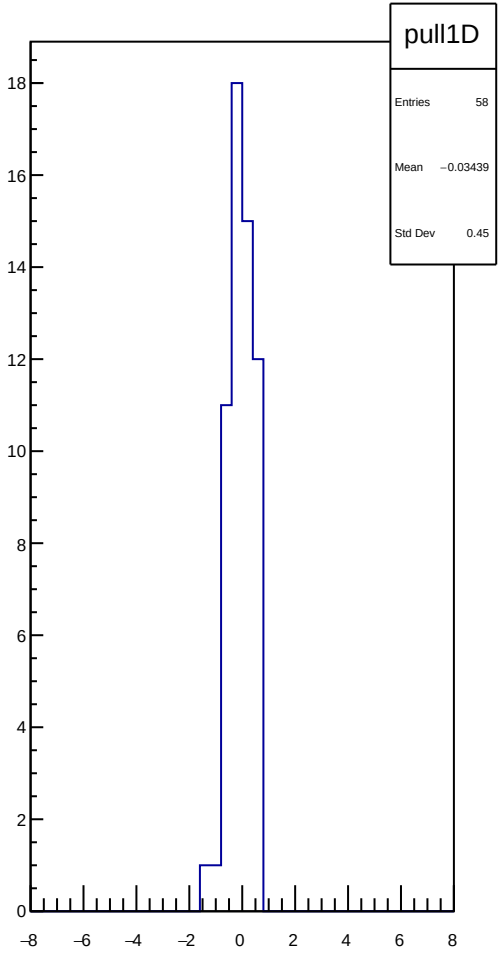

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 14.87 / 57
p0 −40.27 ± 1.843
pull
Entries 58
Mean −40.44
Std Dev 61.14

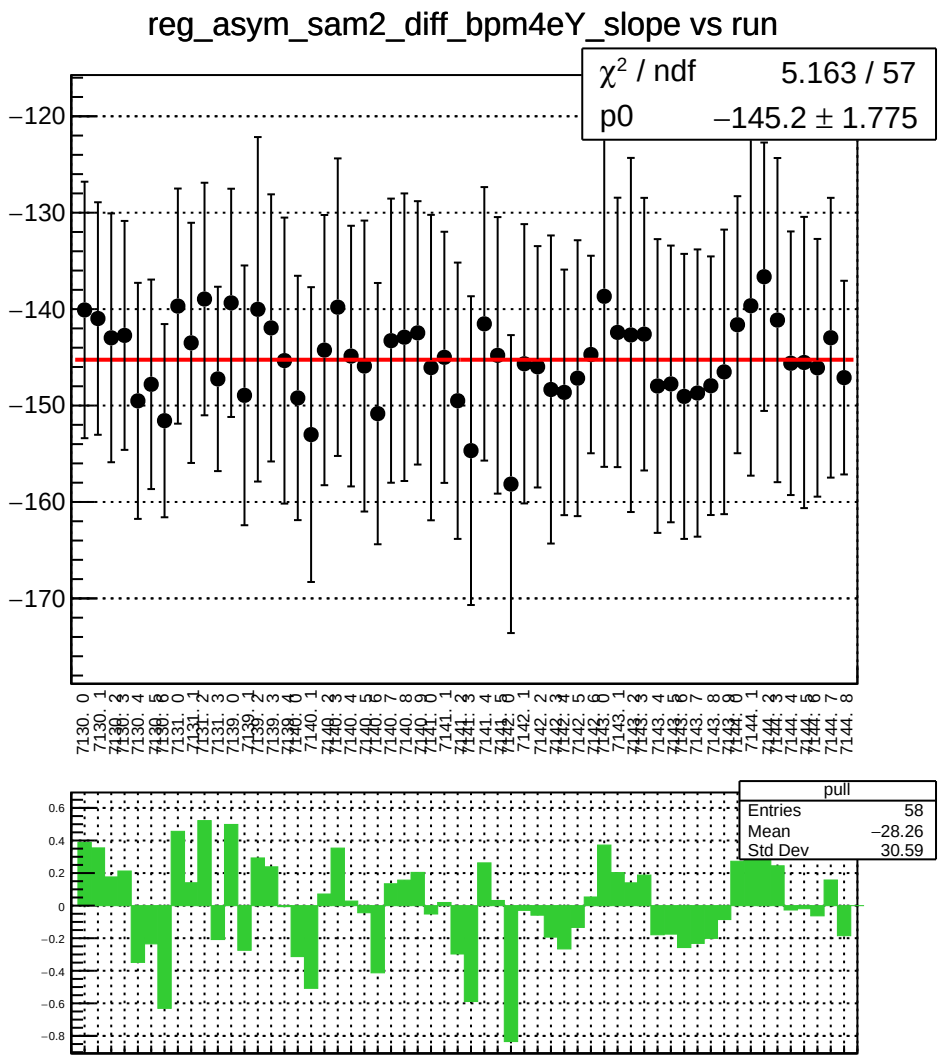

pull1D
Entries 58
Mean 0.03979
Std Dev 0.5047

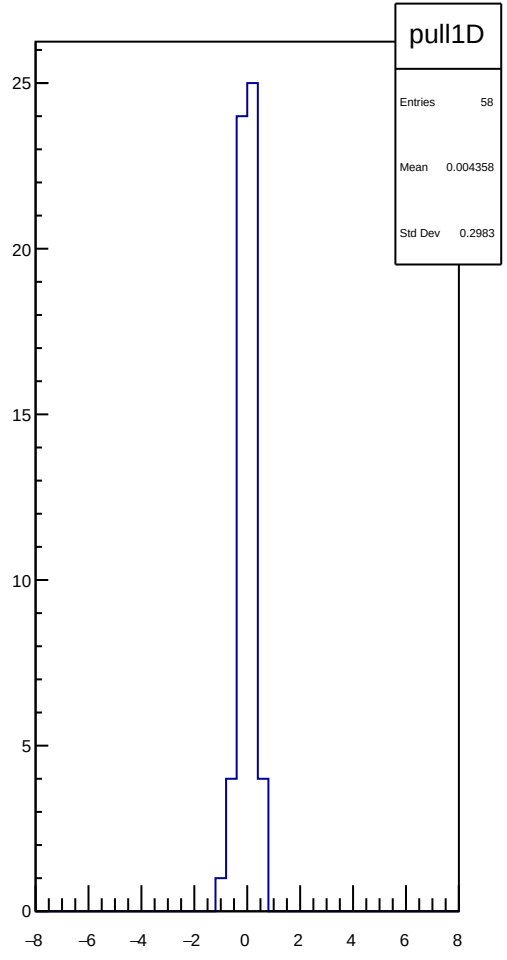

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 4.14 / 57
p0 −20.26 ± 1.66
pull
Entries 58
Mean 13.7
Std Dev 28.44

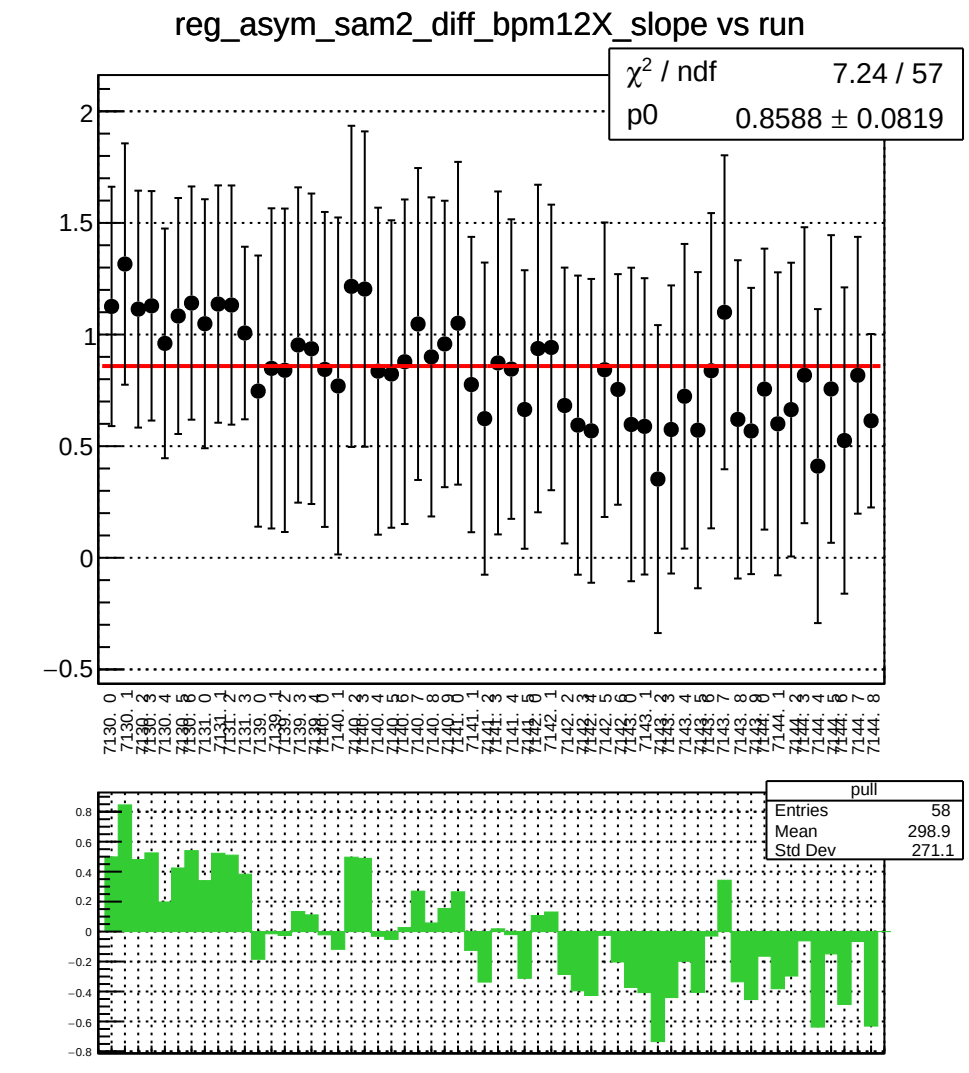

pull1D
Entries 58
Mean −0.01304
Std Dev 0.2668

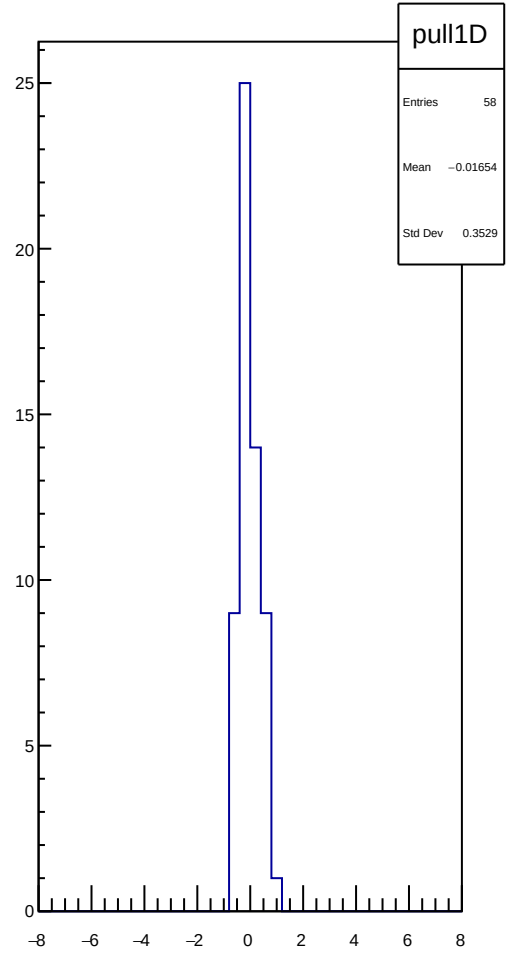

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 11.81 / 57
p0 −122.5 ± 1.872
pull
Entries 58
Mean −49.91
Std Dev 73.17

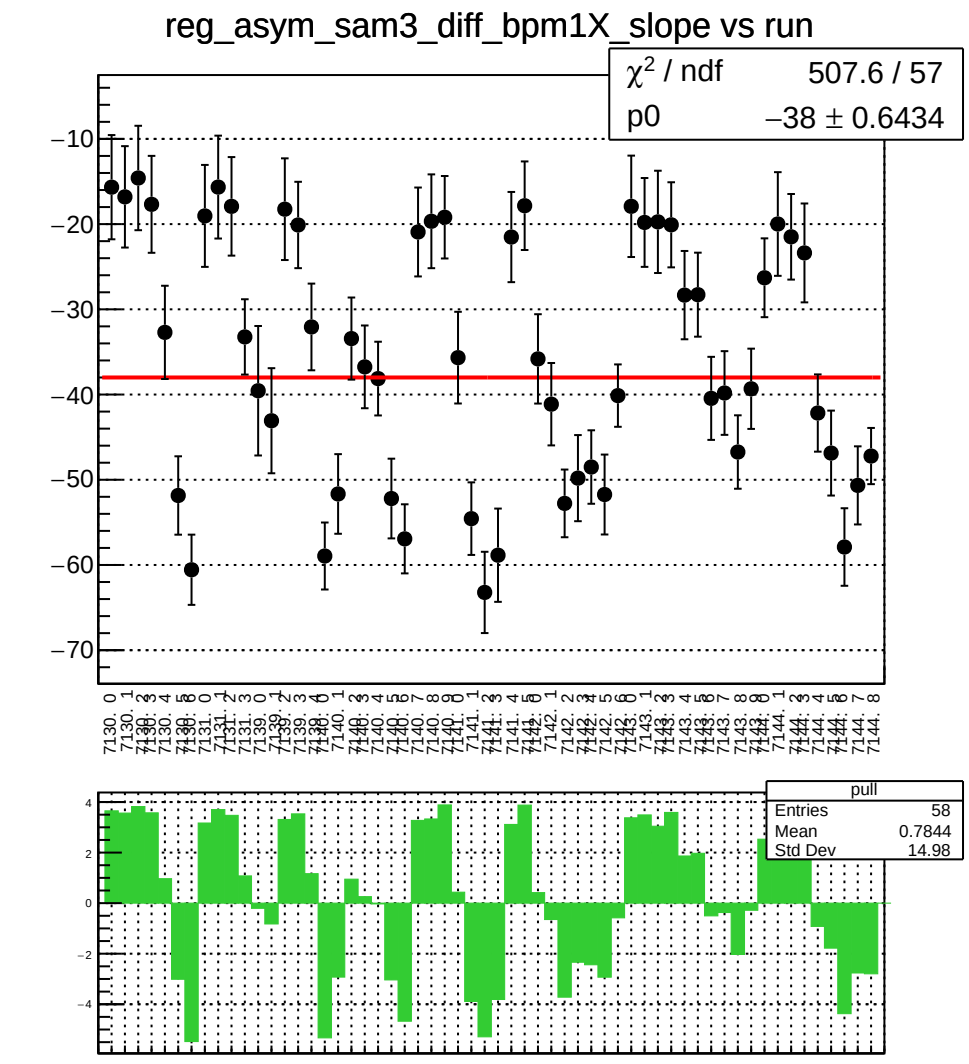

pull1D
Entries 58
Mean −0.03439
Std Dev 0.45

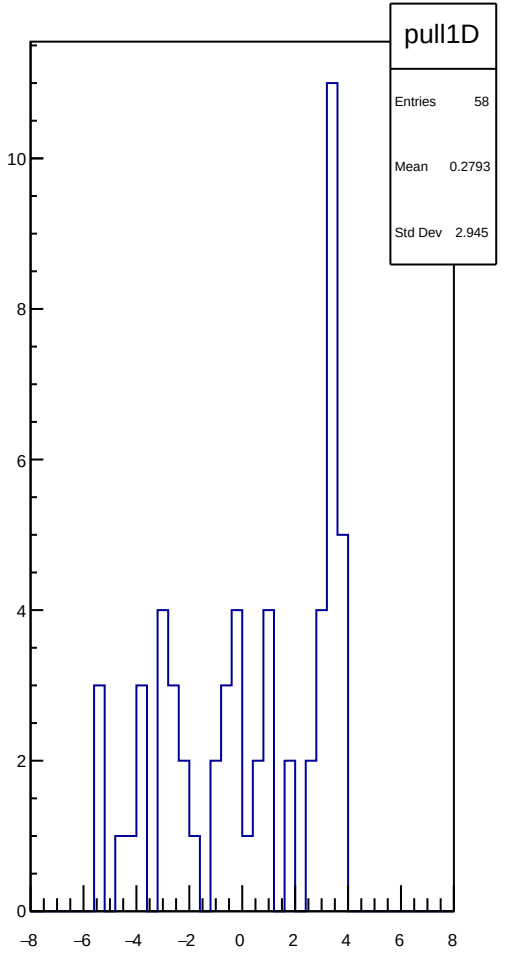

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 5.163 / 57
p0 −145.2 ± 1.775
pull
Entries 58
Mean −28.26
Std Dev 30.59

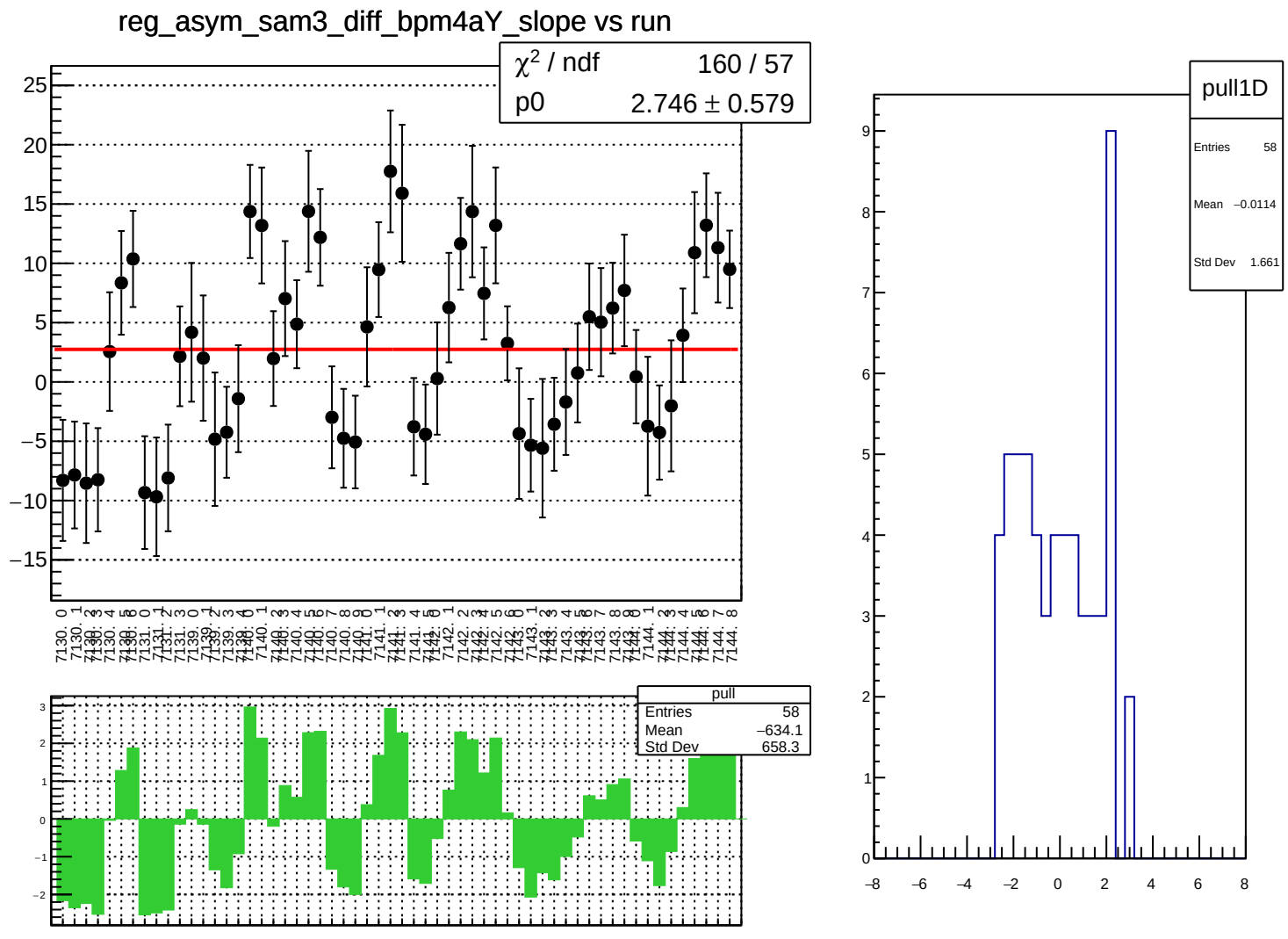

pull1D
Entries 58
Mean 0.004358
Std Dev 0.2983

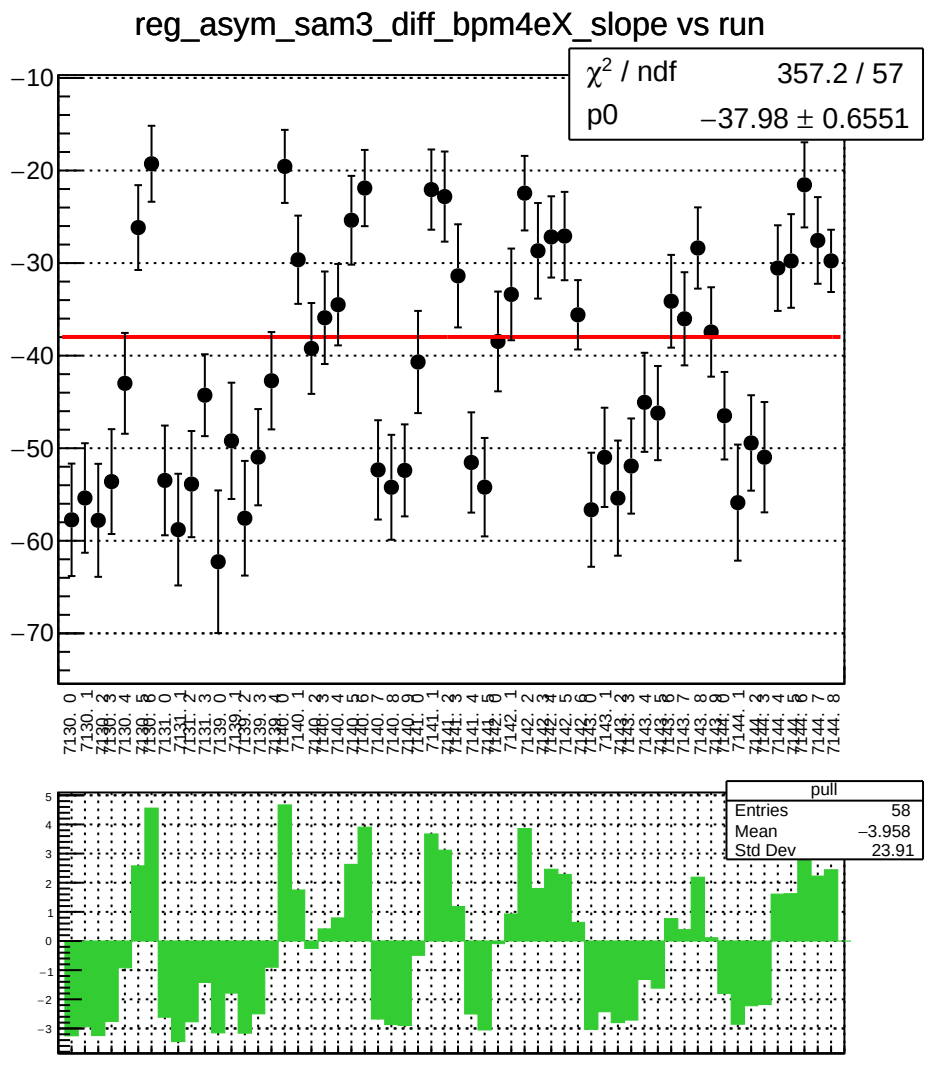

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 7.24 / 57
p0 0.8588 ± 0.0819
pull
Entries 58
Mean 298.9
Std Dev 271.1

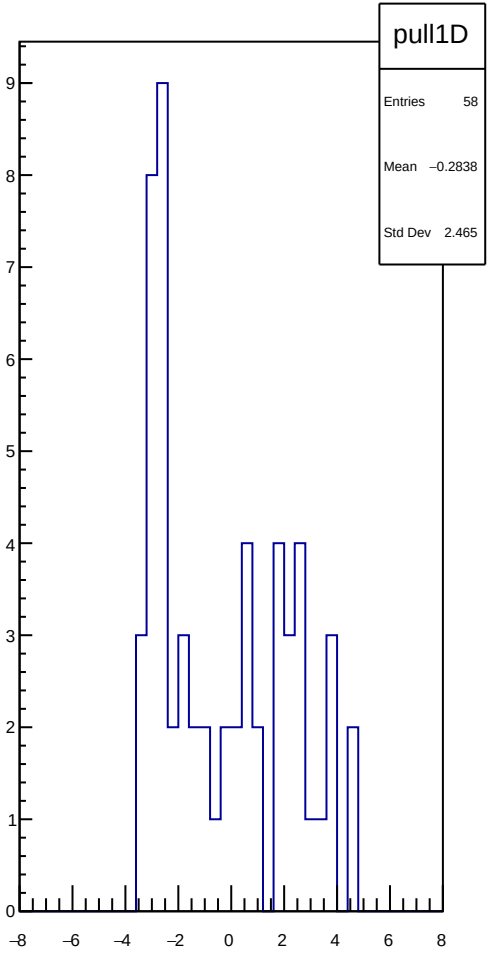

pull1D
Entries 58
Mean −0.01654
Std Dev 0.3529

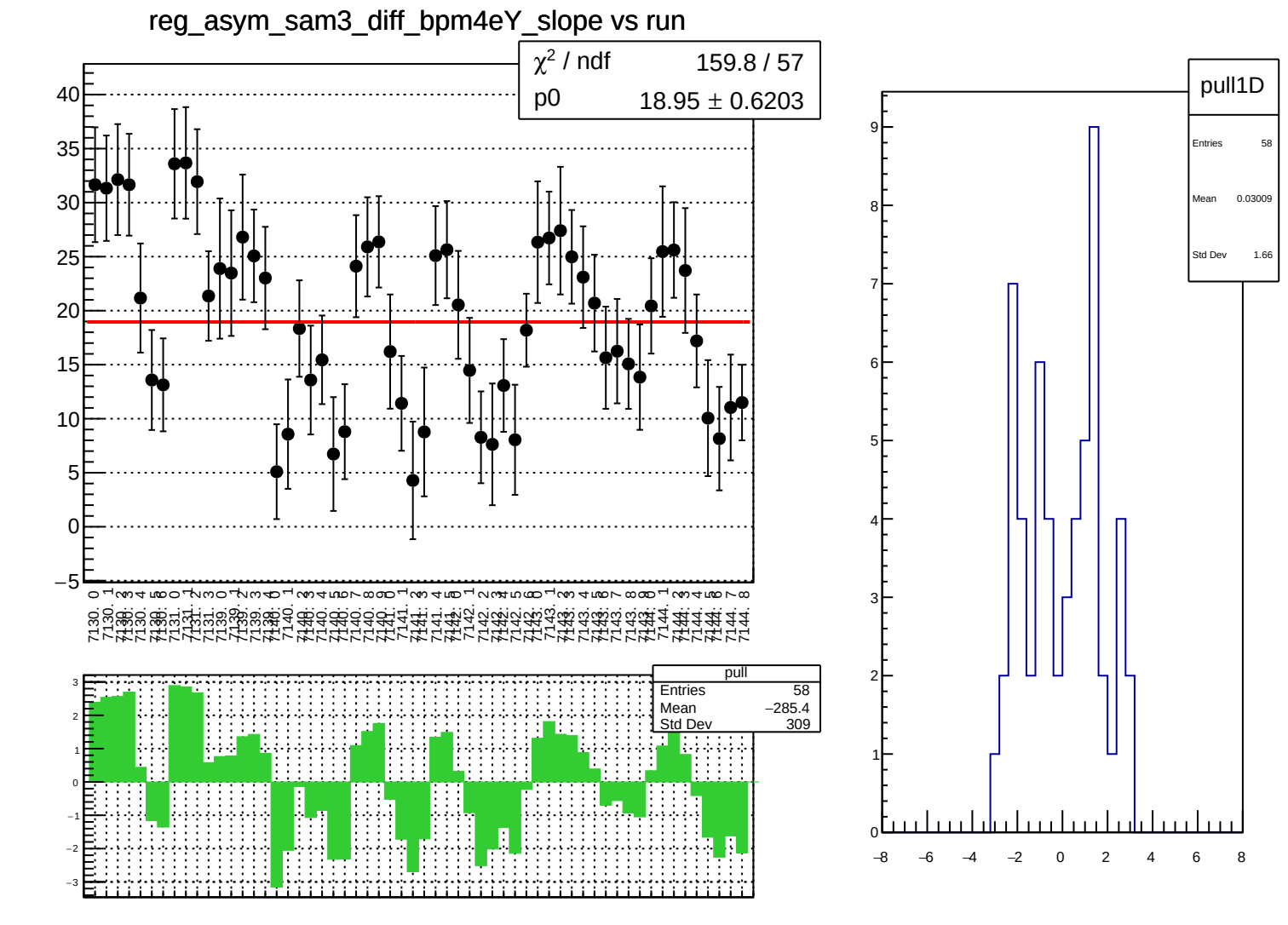

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 507.6 / 57
p0 −38 ± 0.6434
pull
Entries 58
Mean 0.7844
Std Dev 14.98

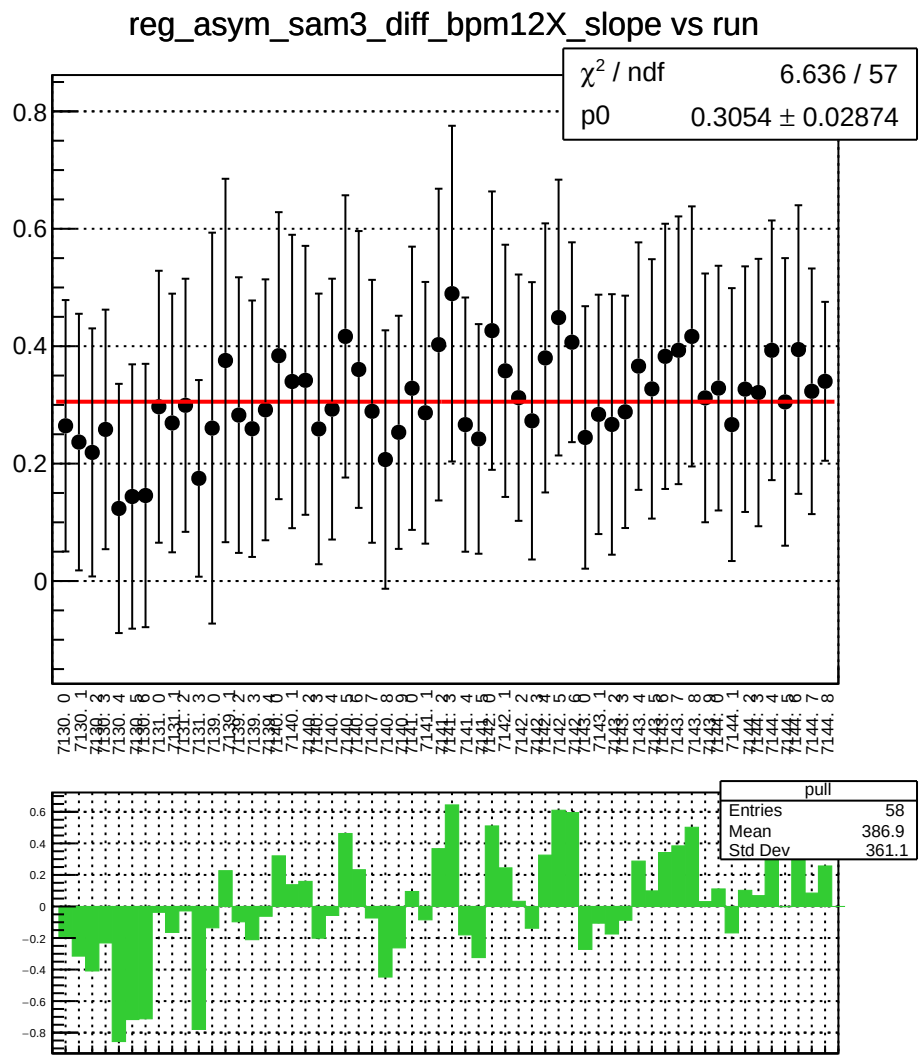

pull1D
Entries 58
Mean 0.2793
Std Dev 2.945

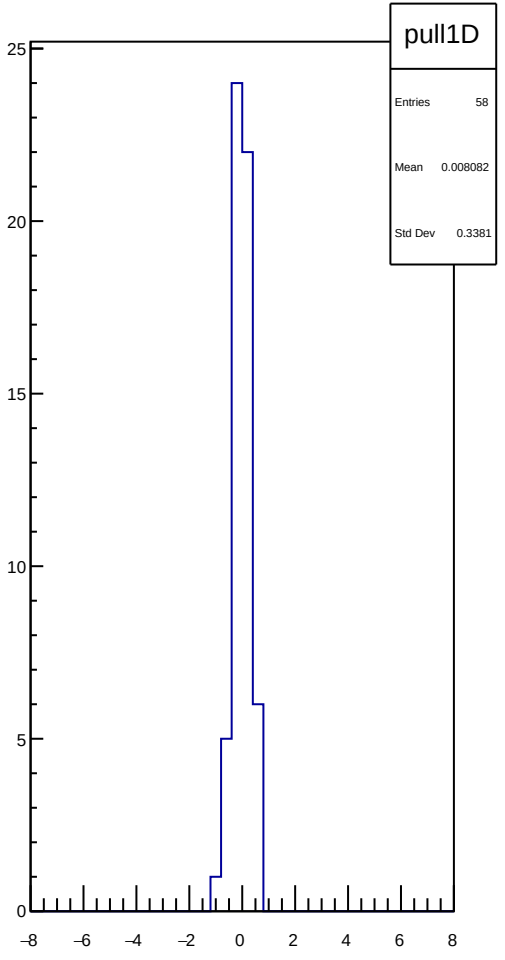

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 160 / 57
p0 2.746 ± 0.579
pull
Entries 58
Mean −634.1
Std Dev 658.3
pull1D
Entries 58
Mean −0.0114
Std Dev 1.661

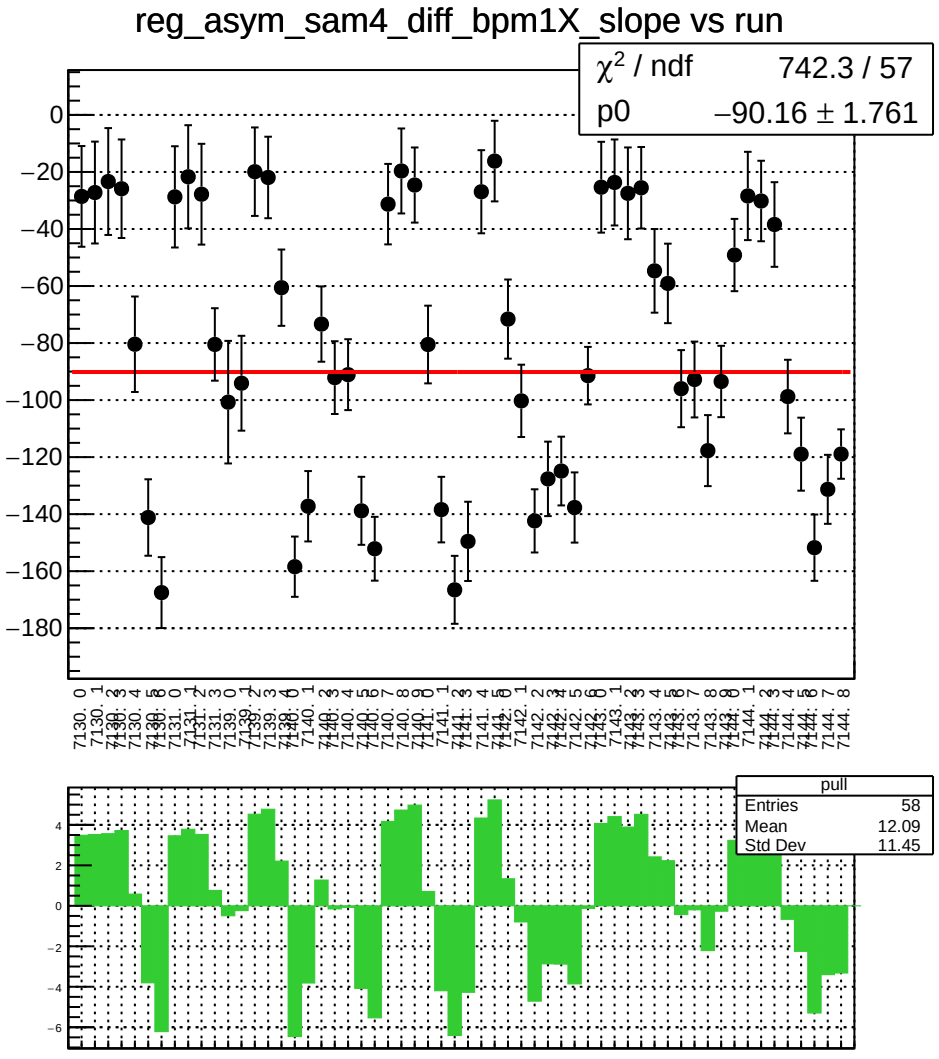

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 357.2 / 57
p0 −37.98 ± 0.6551
pull
Entries 58
Mean −3.958
Std Dev 23.91

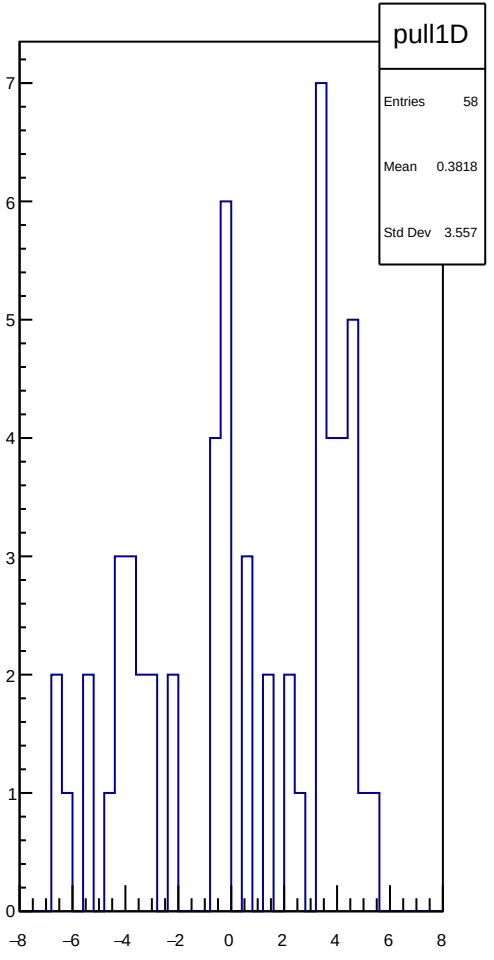

pull1D
Entries 58
Mean −0.2838
Std Dev 2.465

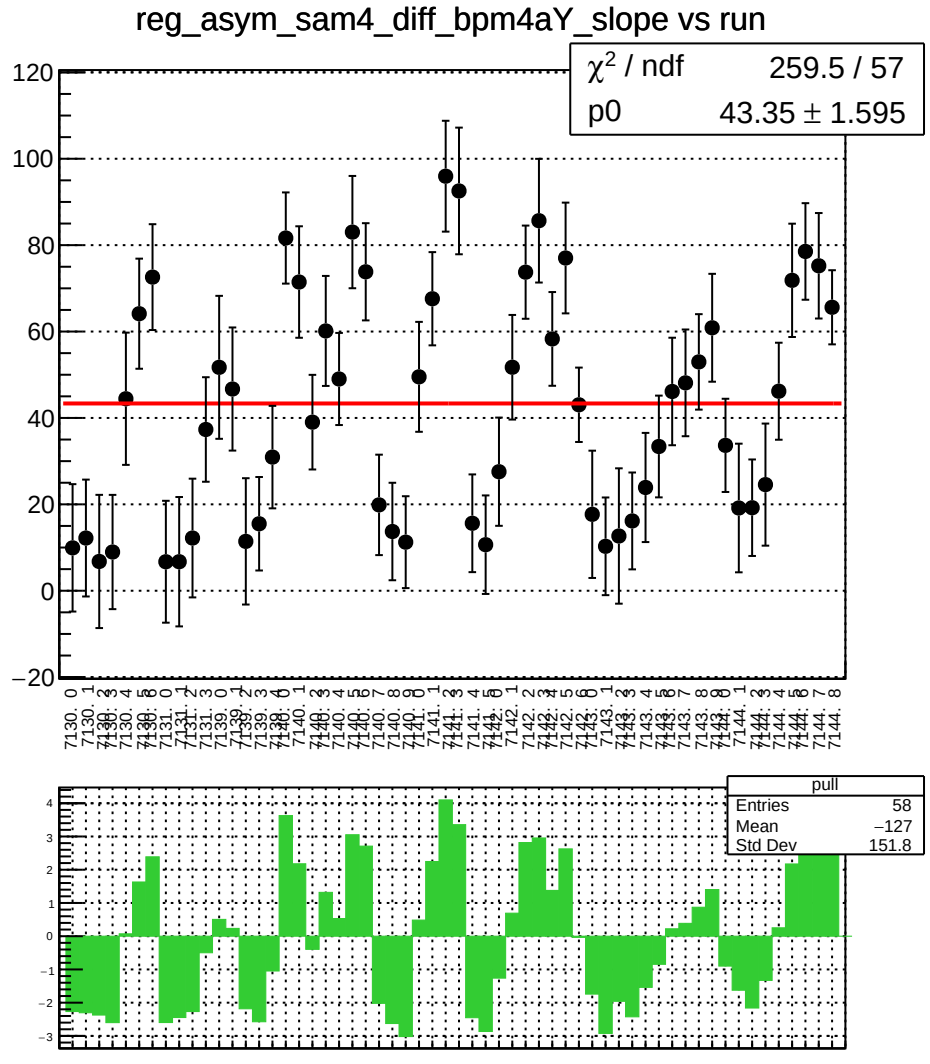

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 159.8 / 57
p0 18.95 ± 0.6203
pull
Entries 58
Mean −285.4
Std Dev 309
pull1D
Entries 58
Mean 0.03009
Std Dev 1.66

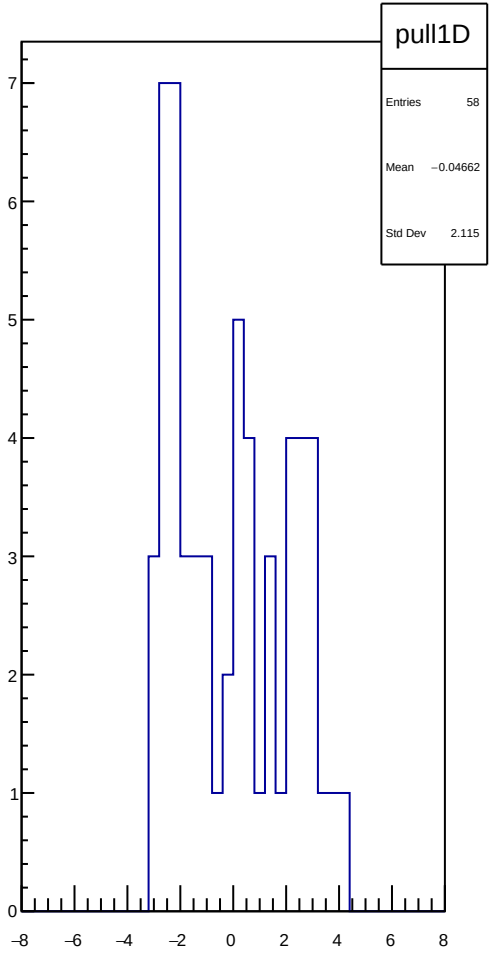

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 6.636 / 57
p0 0.3054 ± 0.02874
pull
Entries 58
Mean 386.9
Std Dev 361.1

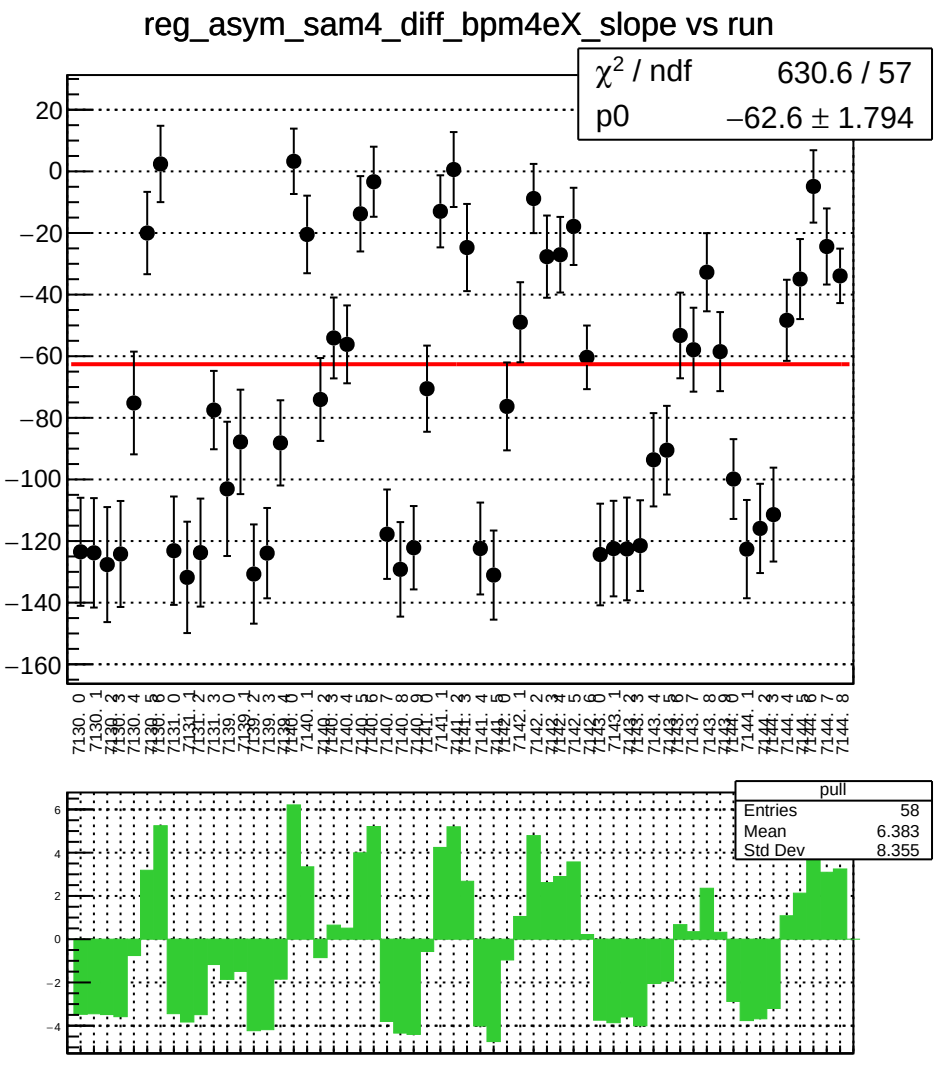

pull1D
Entries 58
Mean 0.008082
Std Dev 0.3381

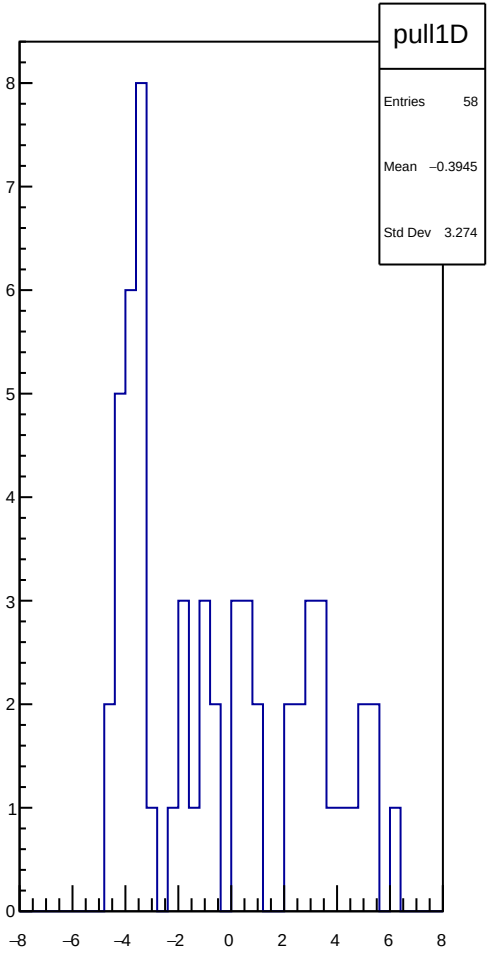

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 742.3 / 57
p0 −90.16 ± 1.761
pull
Entries 58
Mean 12.09
Std Dev 11.45

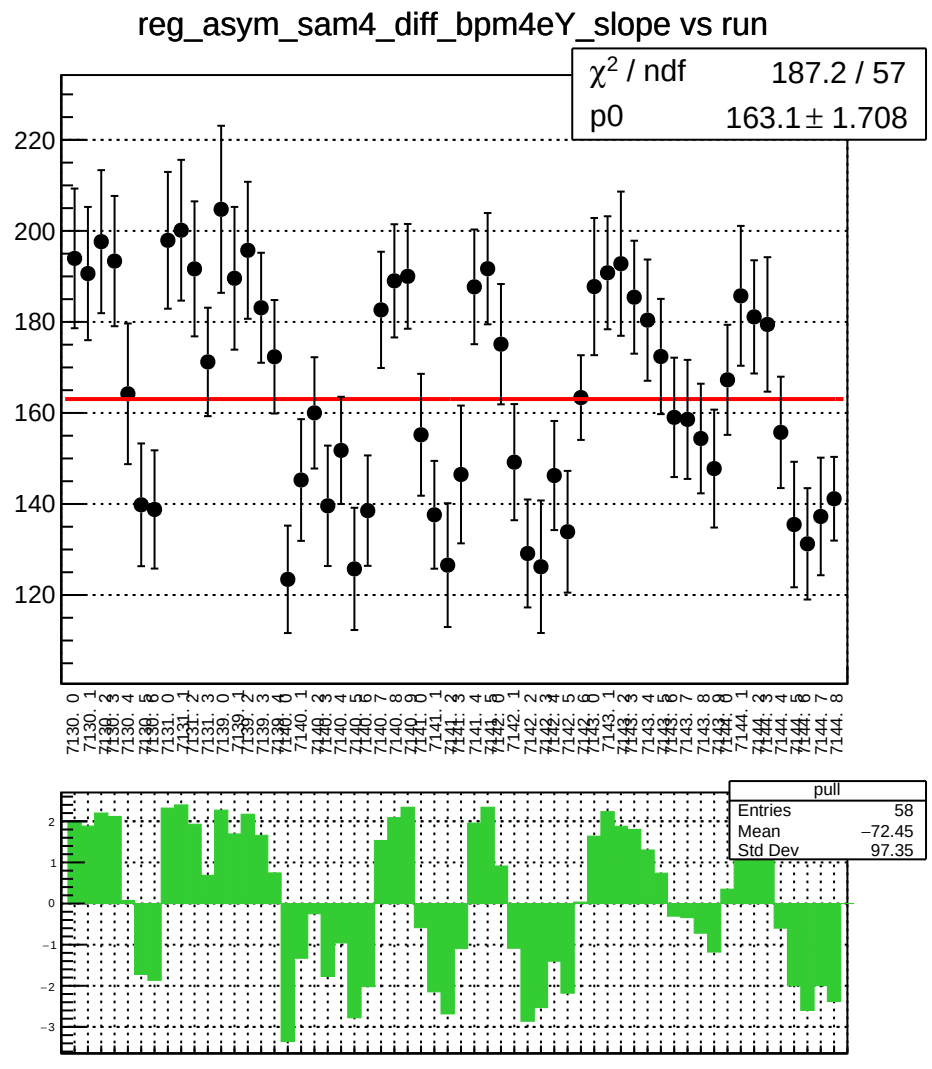

pull1D
Entries 58
Mean 0.3818
Std Dev 3.557

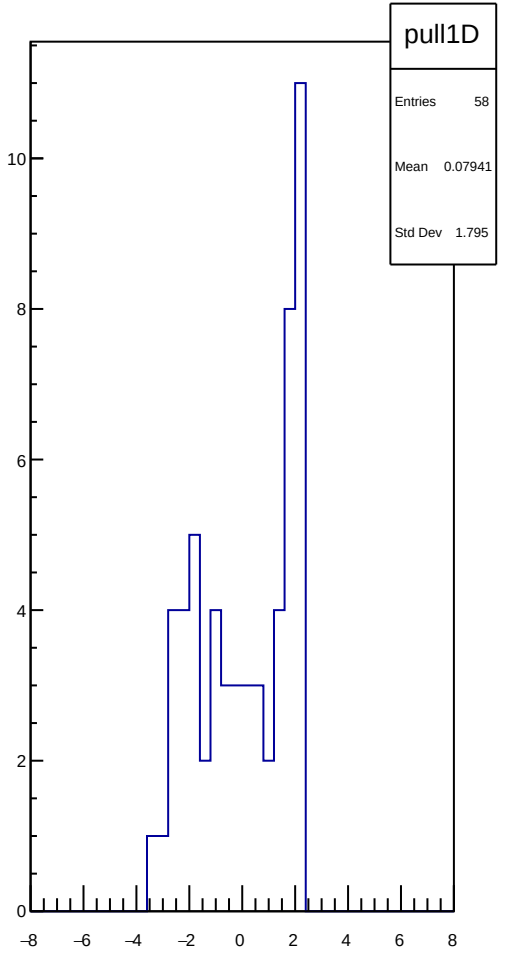

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 259.5 / 57
p0 43.35 ± 1.595
pull
Entries 58
Mean −127
Std Dev 151.8

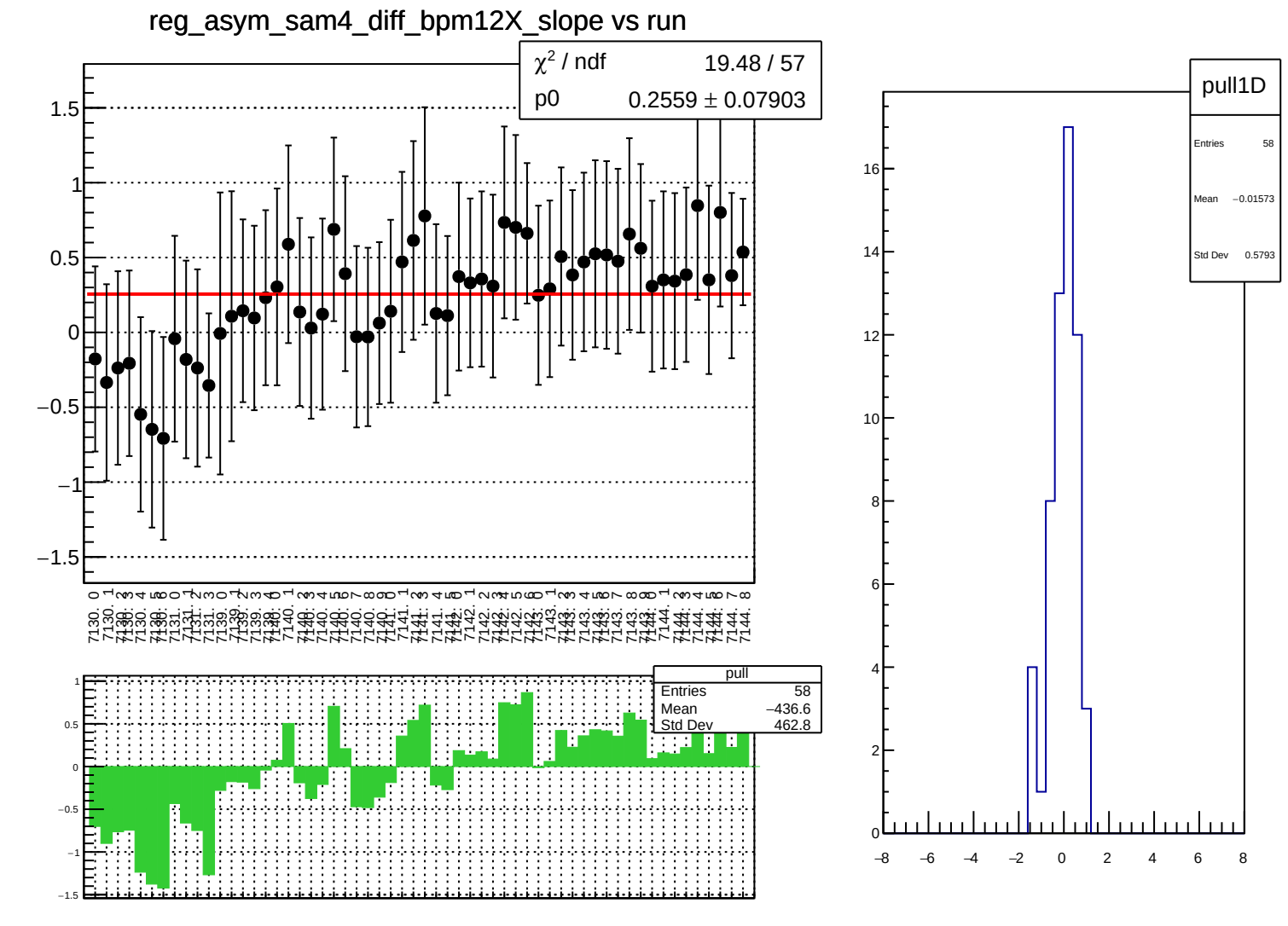

pull1D
Entries 58
Mean −0.04662
Std Dev 2.115

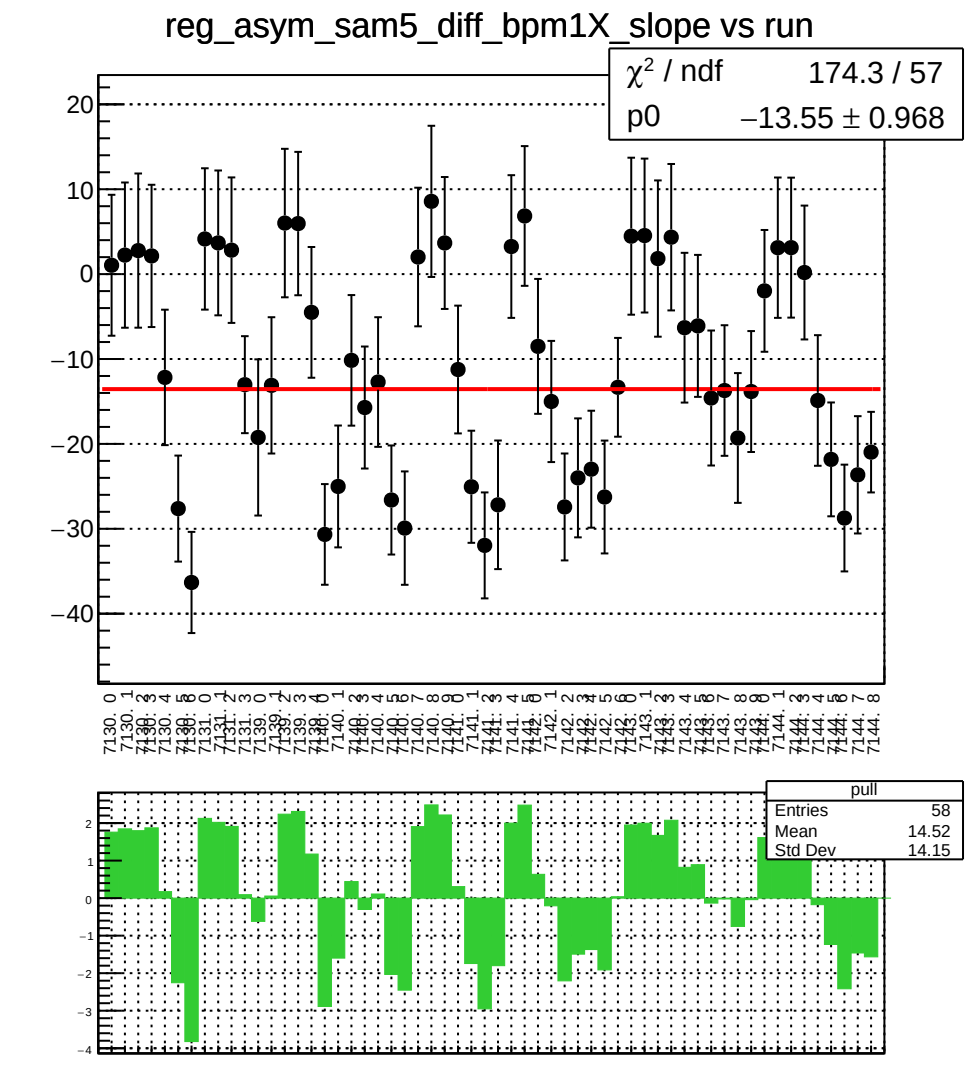

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 630.6 / 57
p0 −62.6 ± 1.794
pull
Entries 58
Mean 6.383
Std Dev 8.355

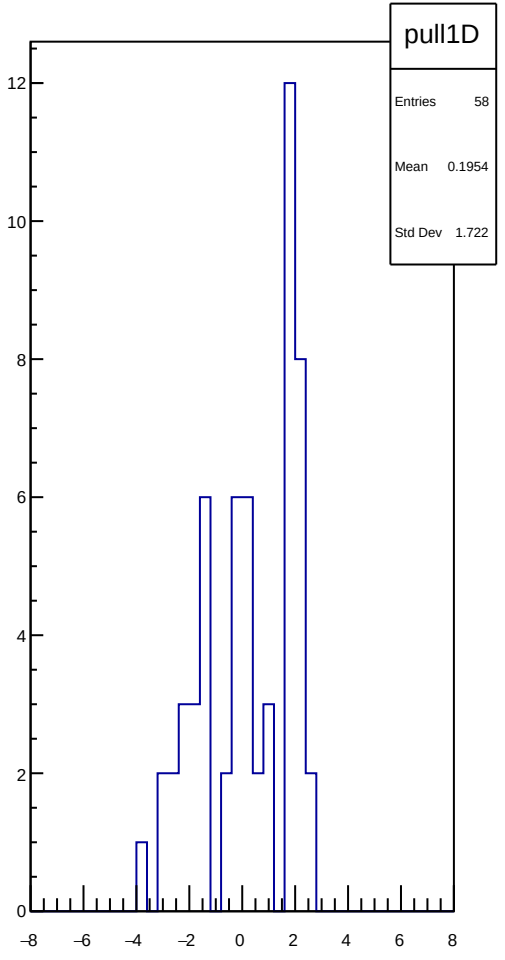

pull1D
Entries 58
Mean −0.3945
Std Dev 3.274

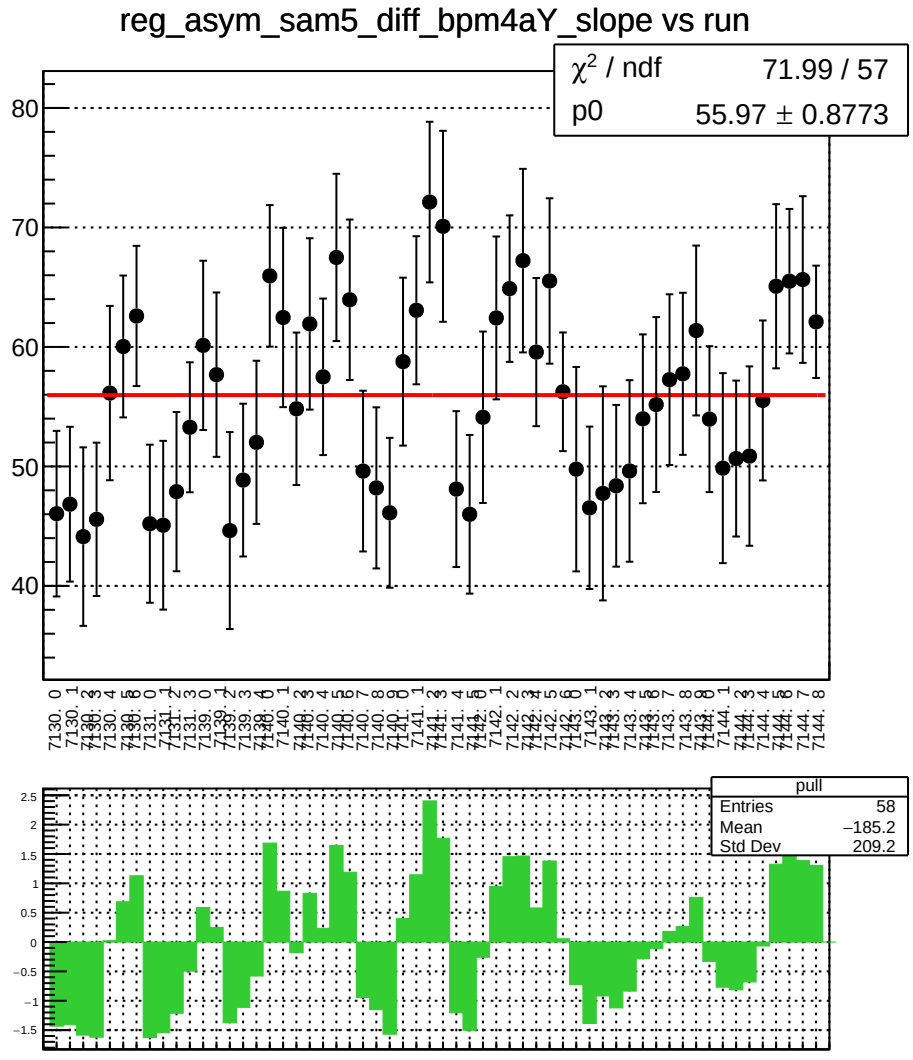

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 187.2 / 57
p0 163.1 ± 1.708
220
200
180
160
140
120
pull
Entries 58
Mean −72.45
Std Dev 97.35
2
1
0
−1
−2
−3

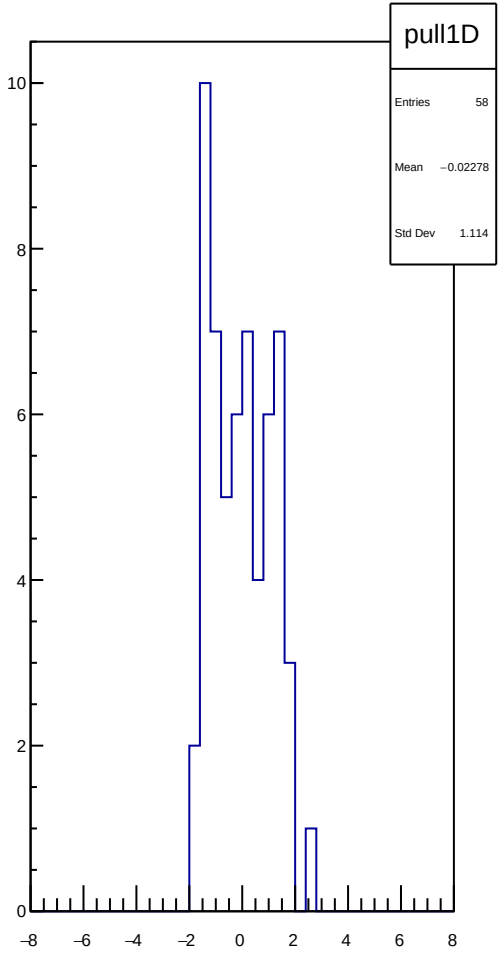

pull1D
Entries 58
Mean 0.07941
Std Dev 1.795
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

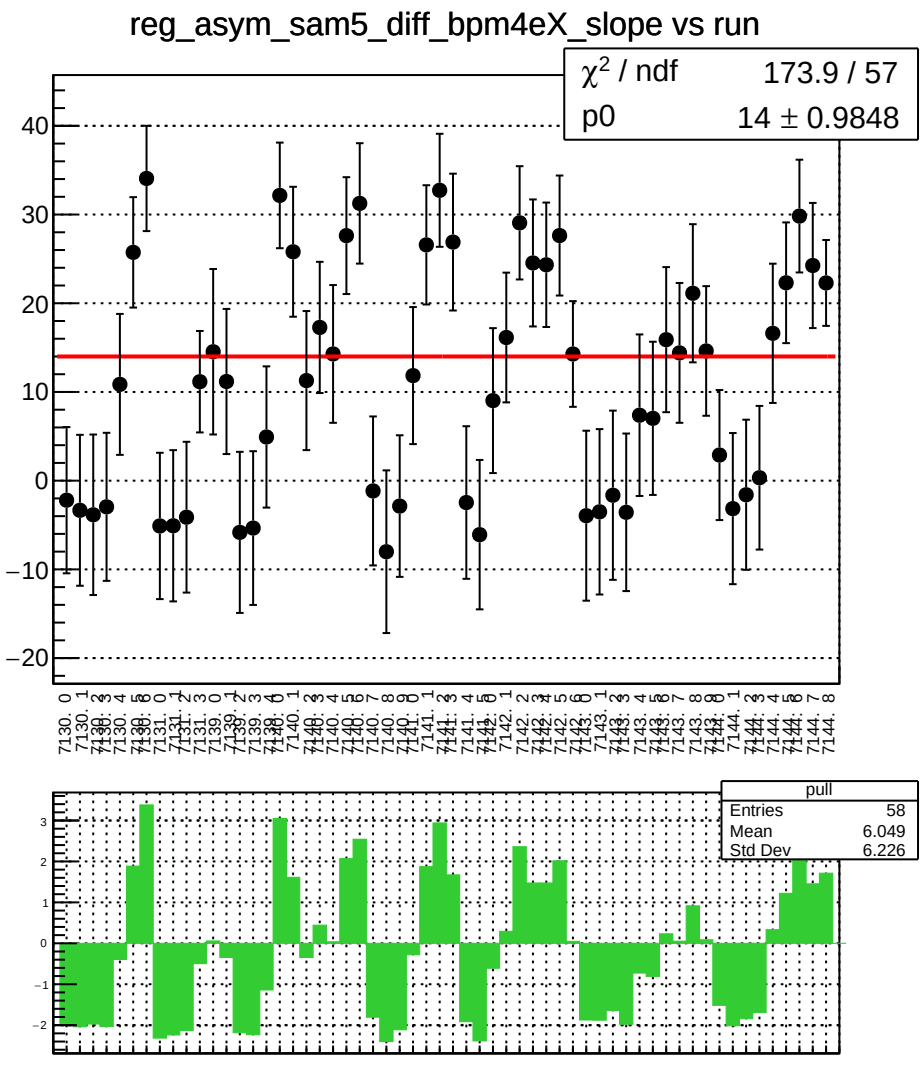

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 19.48 / 57
p0 0.2559 ± 0.07903
pull
Entries 58
Mean −436.6
Std Dev 462.8
pull1D
Entries 58
Mean −0.01573
Std Dev 0.5793

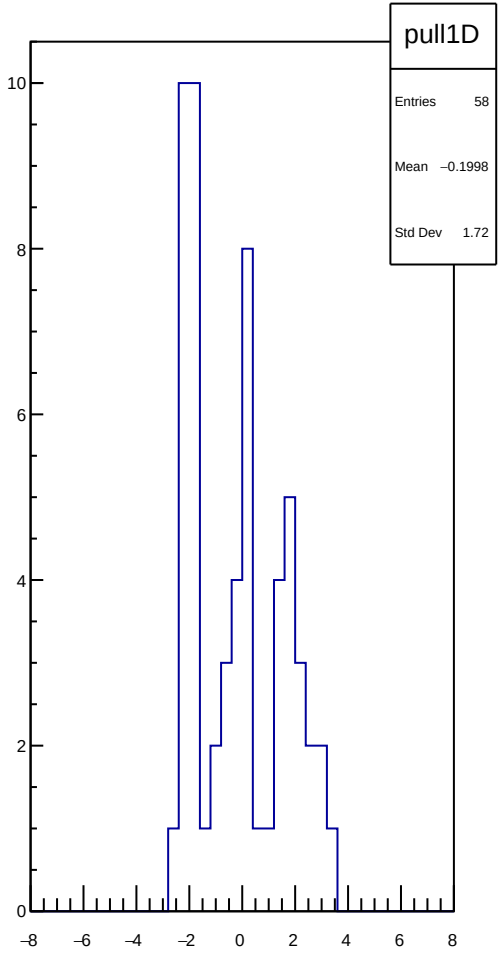

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 174.3 / 57
p0 −13.55 ± 0.968
pull
Entries 58
Mean 14.52
Std Dev 14.15

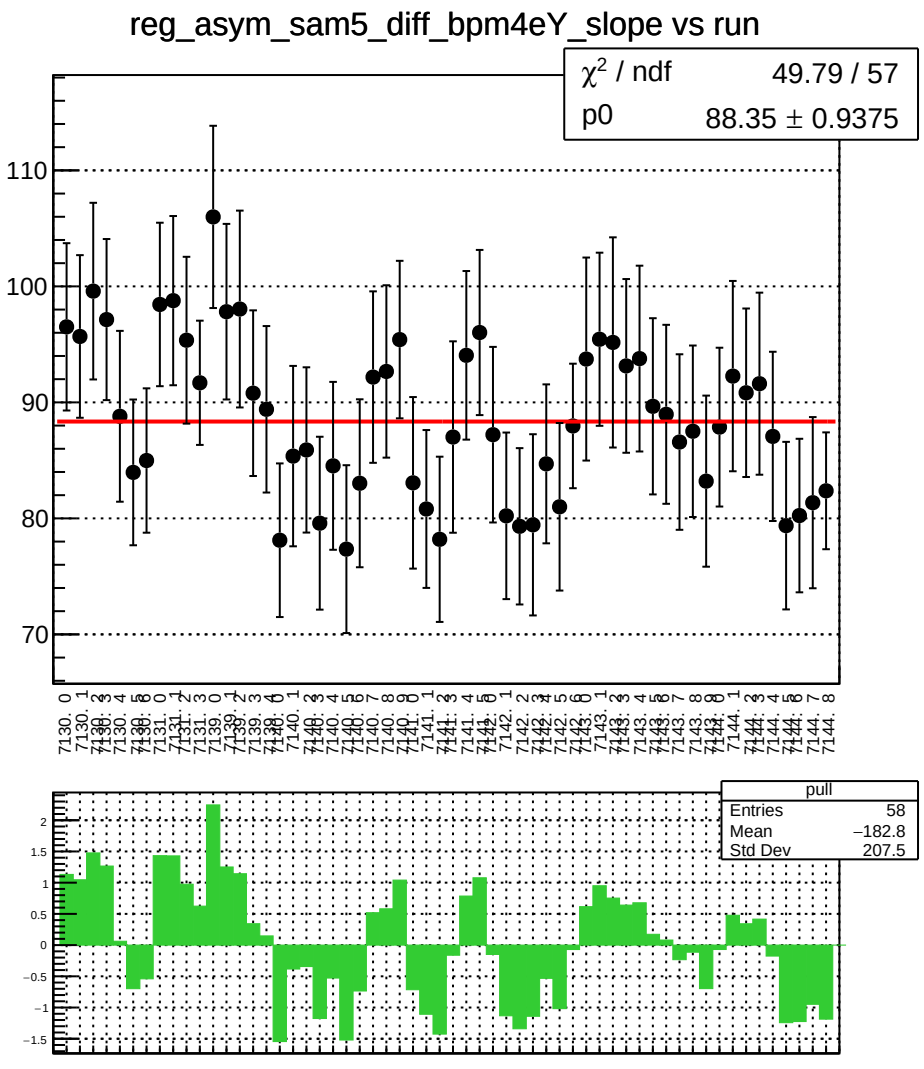

pull1D
Entries 58
Mean 0.1954
Std Dev 1.722

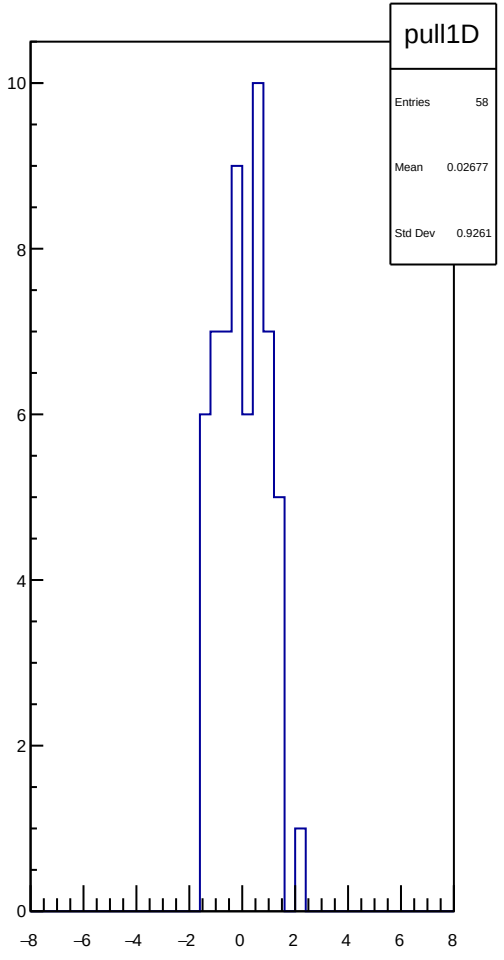

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 71.99 / 57
p0 55.97 ± 0.8773
pull
Entries 58
Mean −185.2
Std Dev 209.2

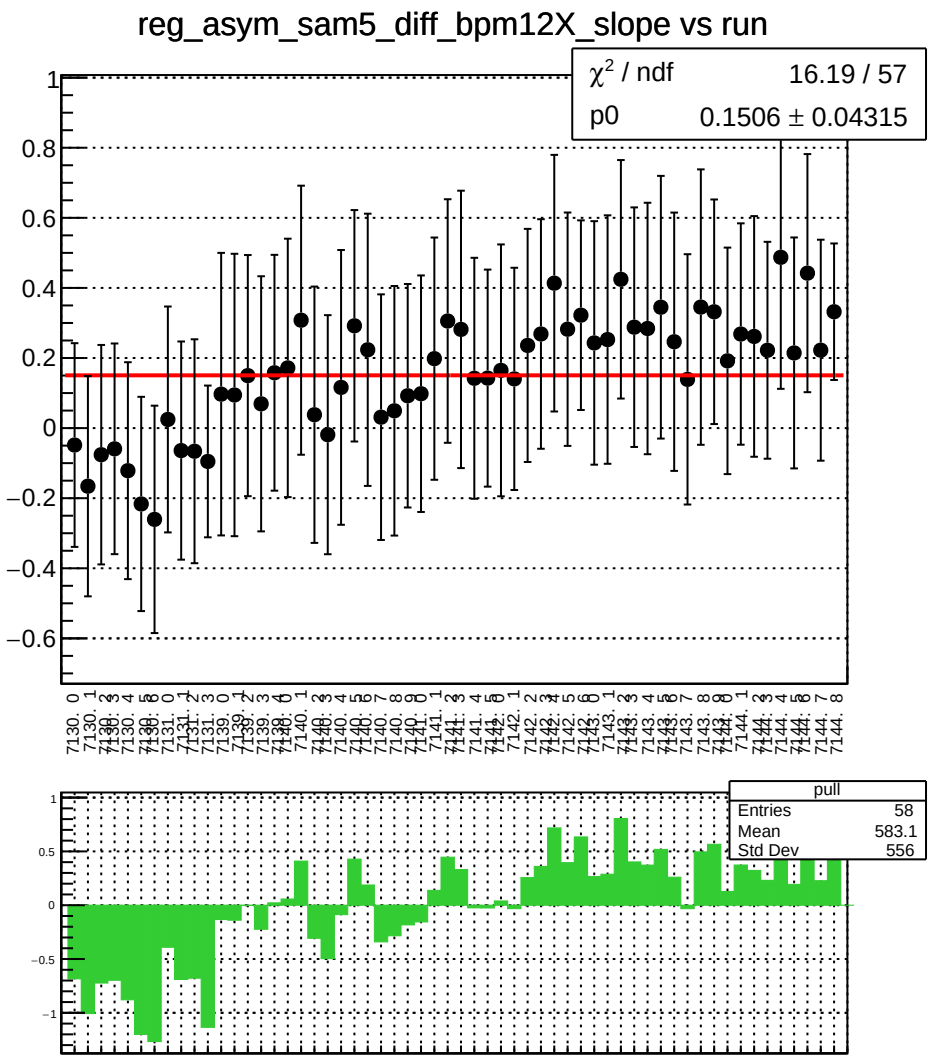

pull1D
Entries 58
Mean −0.02278
Std Dev 1.114

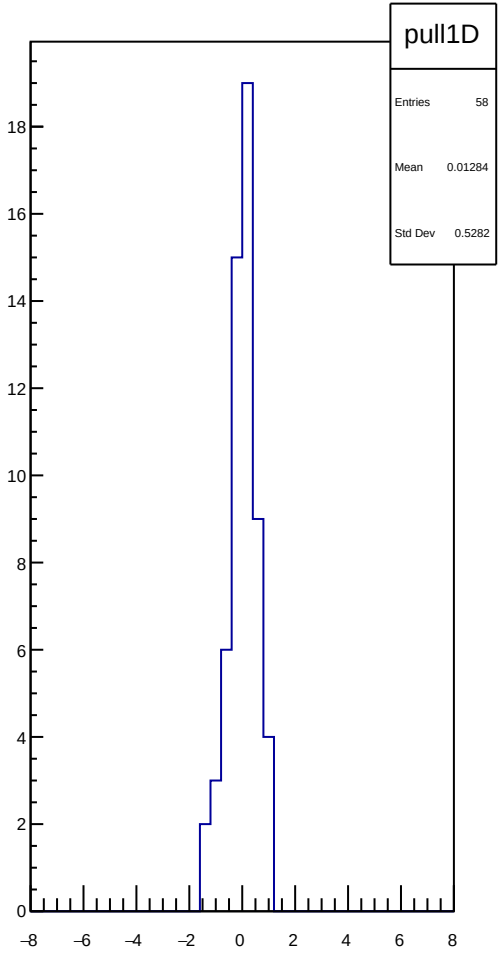

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 173.9 / 57
p0 14 ± 0.9848
pull
Entries 58
Mean 6.049
Std Dev 6.226

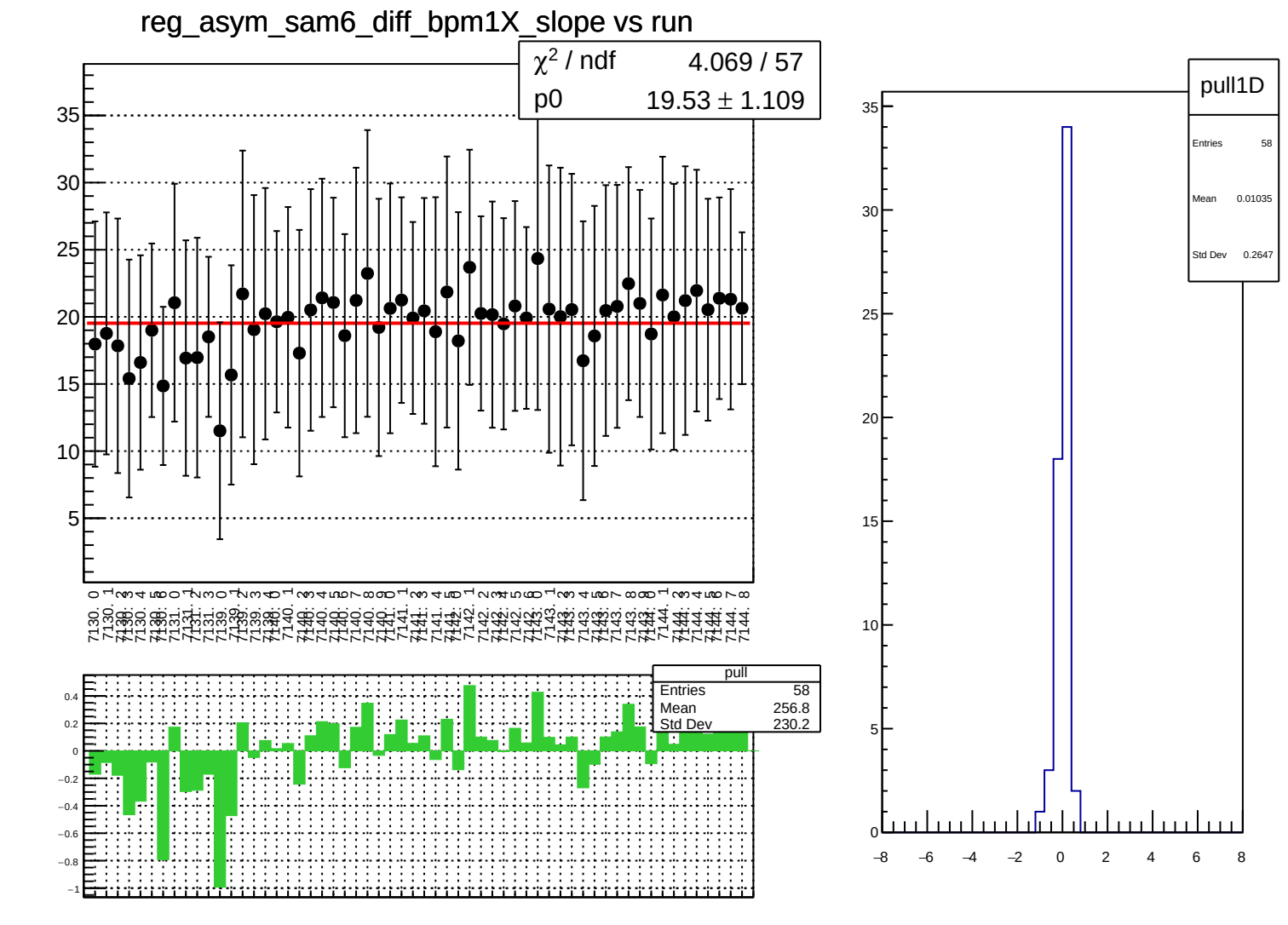

pull1D
Entries 58
Mean −0.1998
Std Dev 1.72

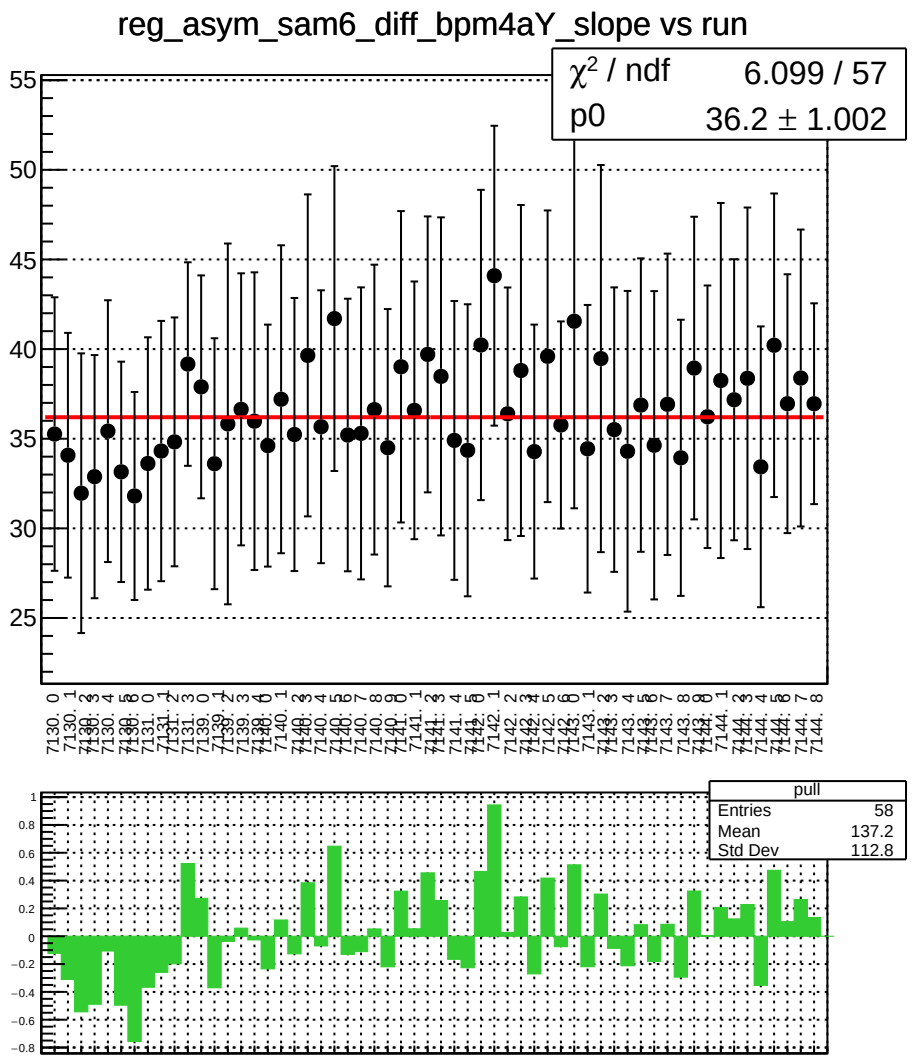

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 49.79 / 57
p0 88.35 ± 0.9375
110
100
90
80
70
pull
Entries 58
Mean −182.8
Std Dev 207.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

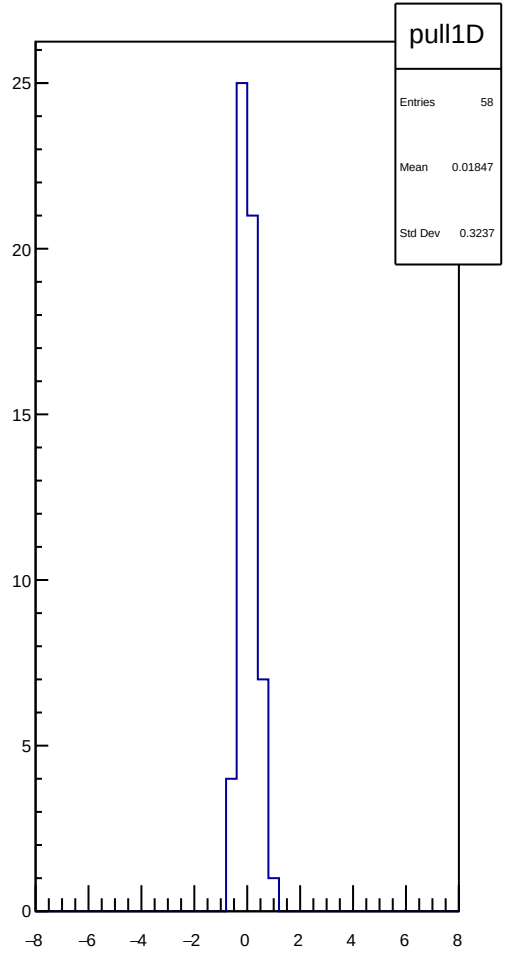

pull1D
Entries 58
Mean 0.02677
Std Dev 0.9261
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

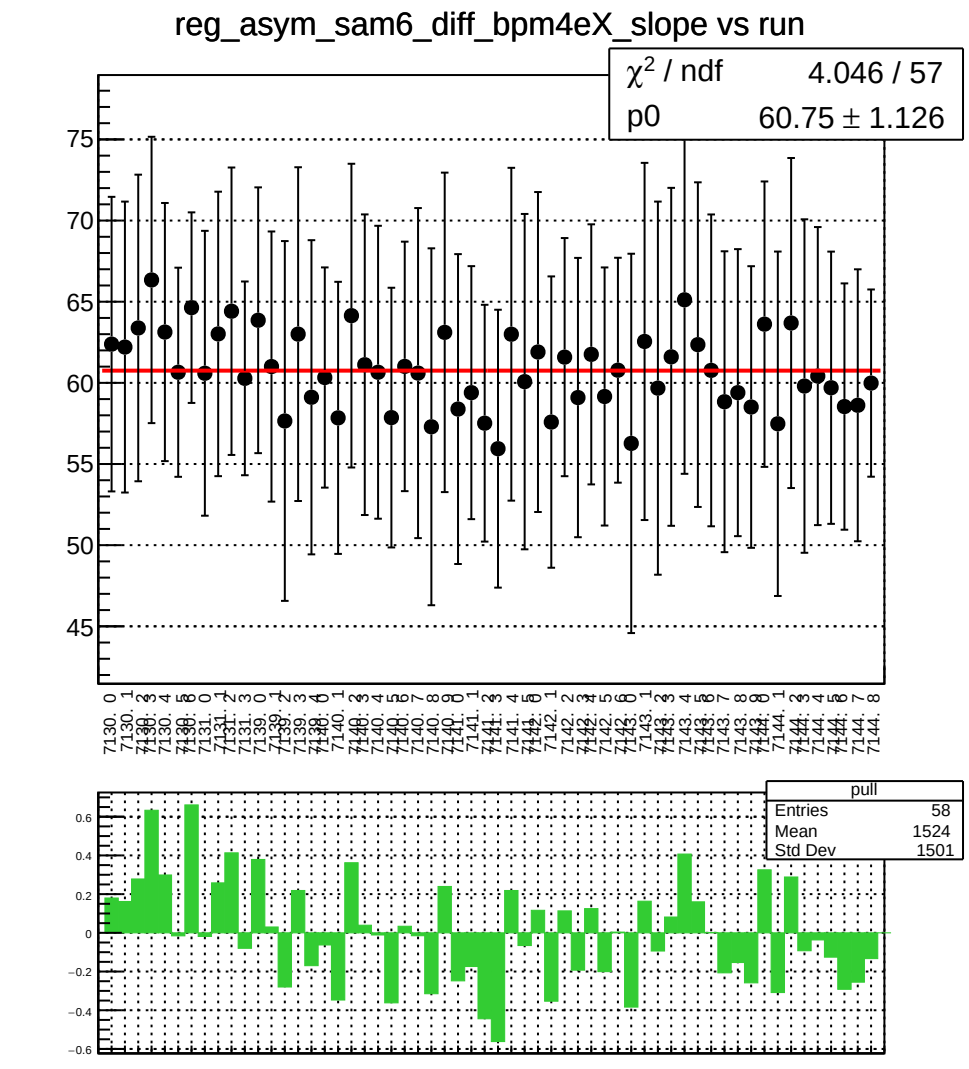

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 16.19 / 57
p0 0.1506 ± 0.04315
pull
Entries 58
Mean 583.1
Std Dev 556

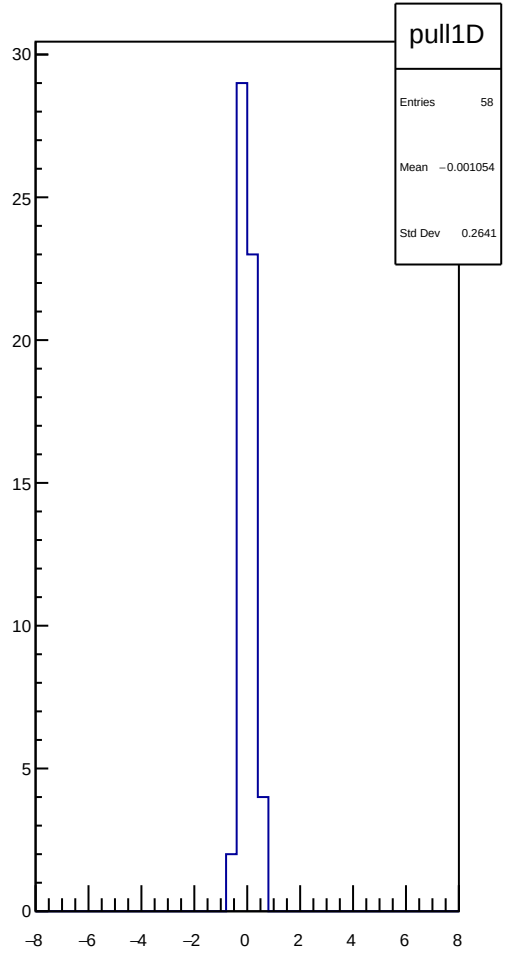

pull1D
Entries 58
Mean 0.01284
Std Dev 0.5282

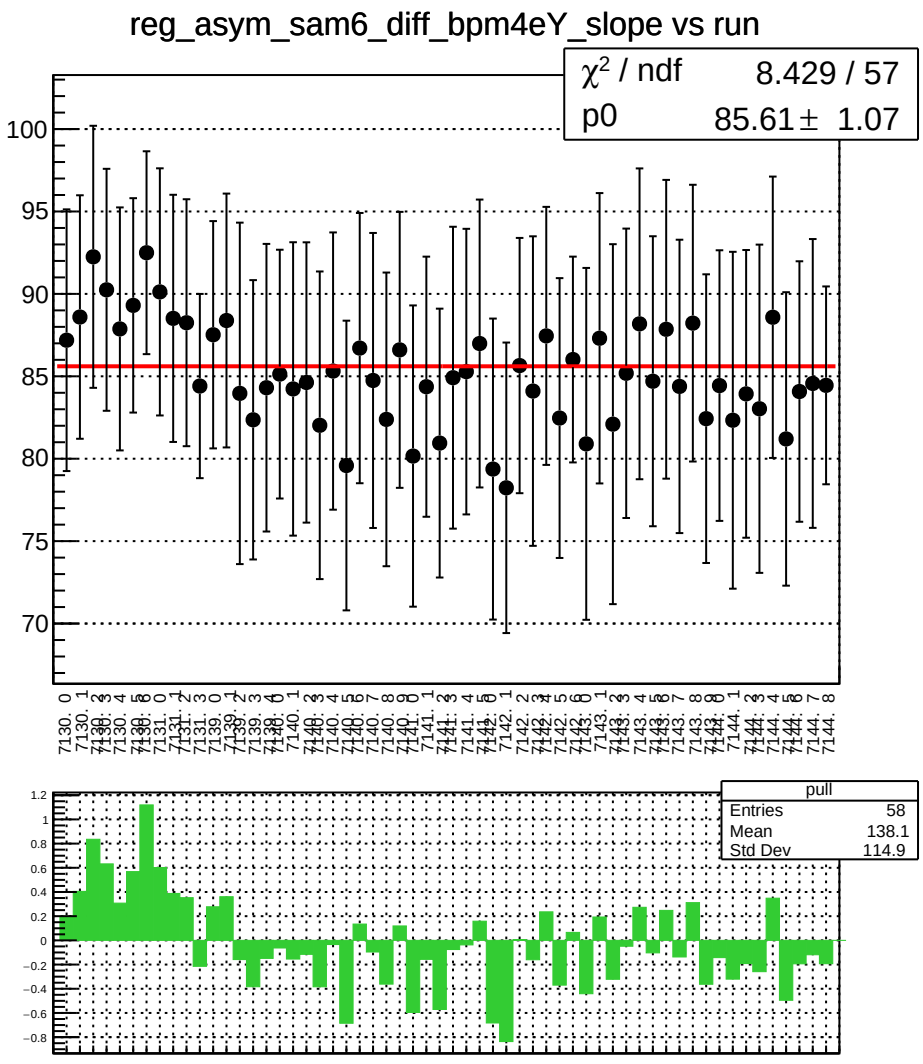

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 4.069 / 57
p0 19.53 ± 1.109
pull
Entries 58
Mean 256.8
Std Dev 230.2
pull1D
Entries 58
Mean 0.01035
Std Dev 0.2647

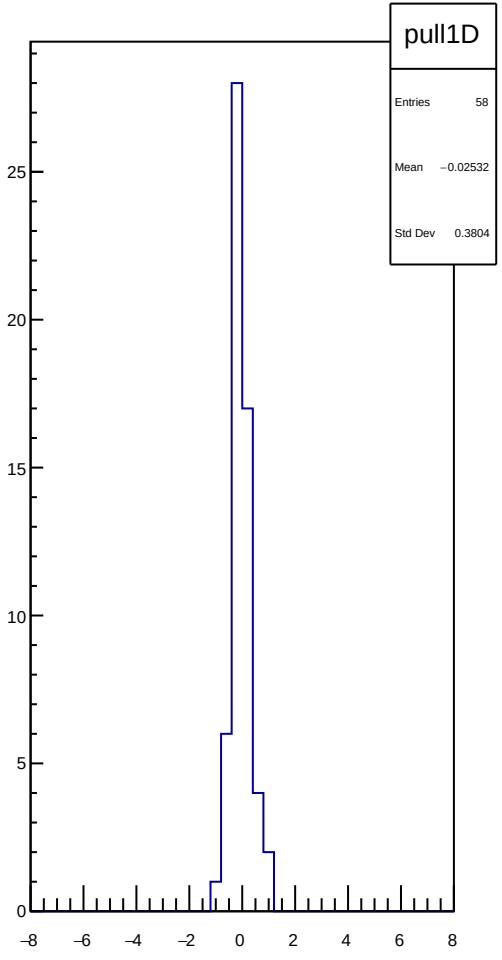

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 6.099 / 57
p0 36.2 ± 1.002
pull
Entries 58
Mean 137.2
Std Dev 112.8

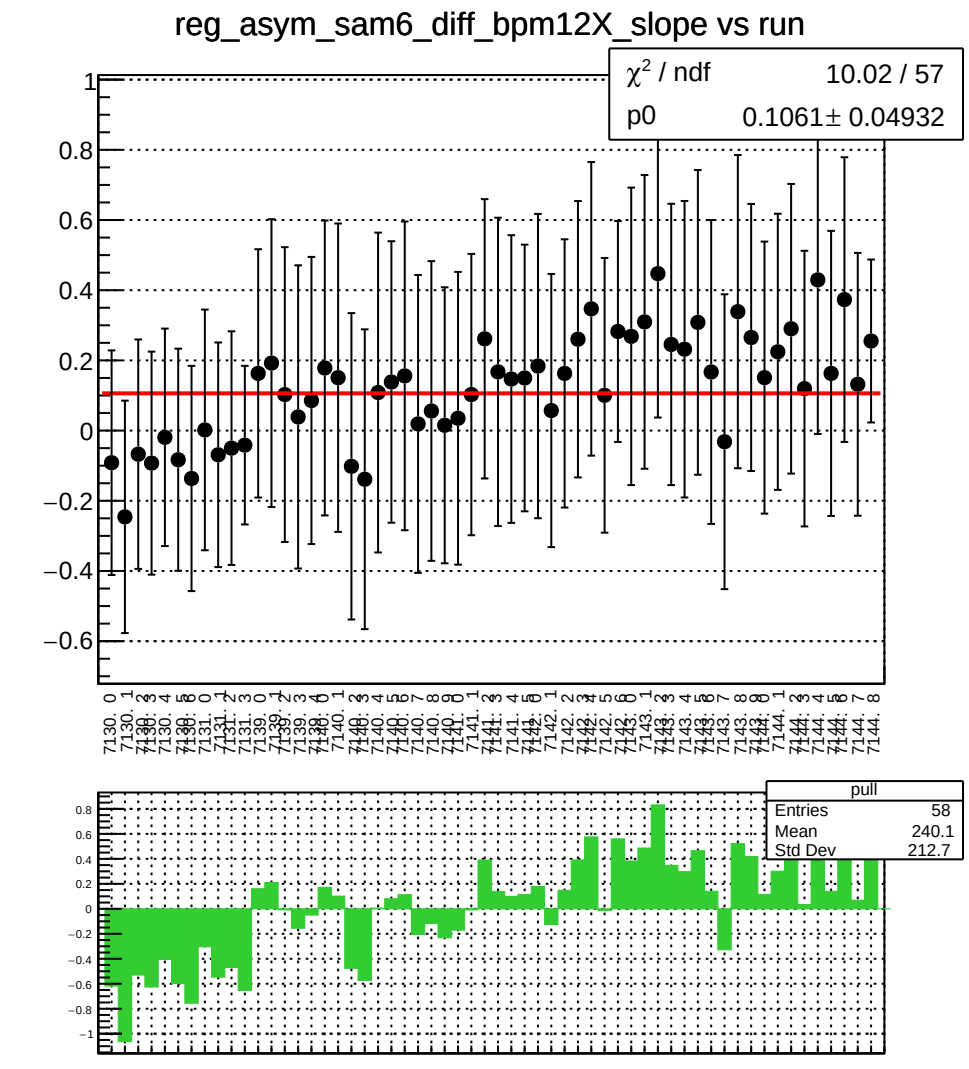

pull1D
Entries 58
Mean 0.01847
Std Dev 0.3237

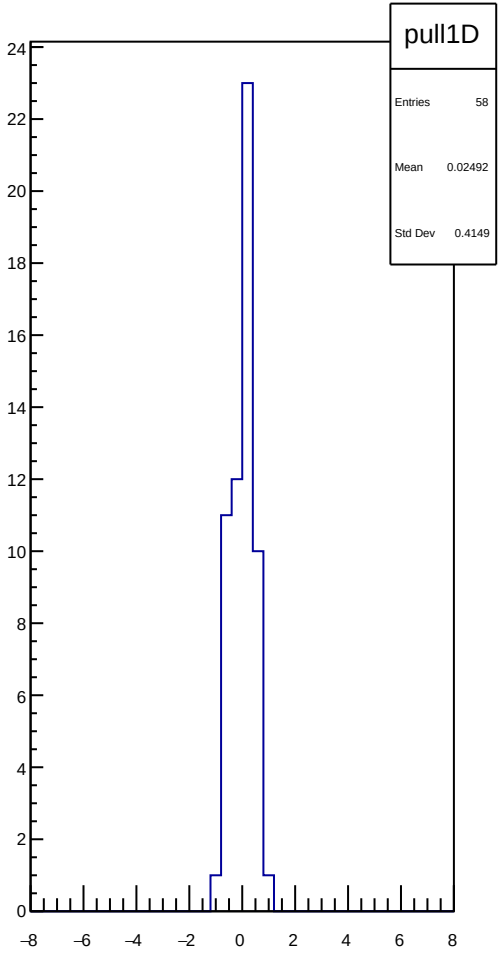

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.046 / 57
p0 60.75 ± 1.126
pull
Entries 58
Mean 1524
Std Dev 1501

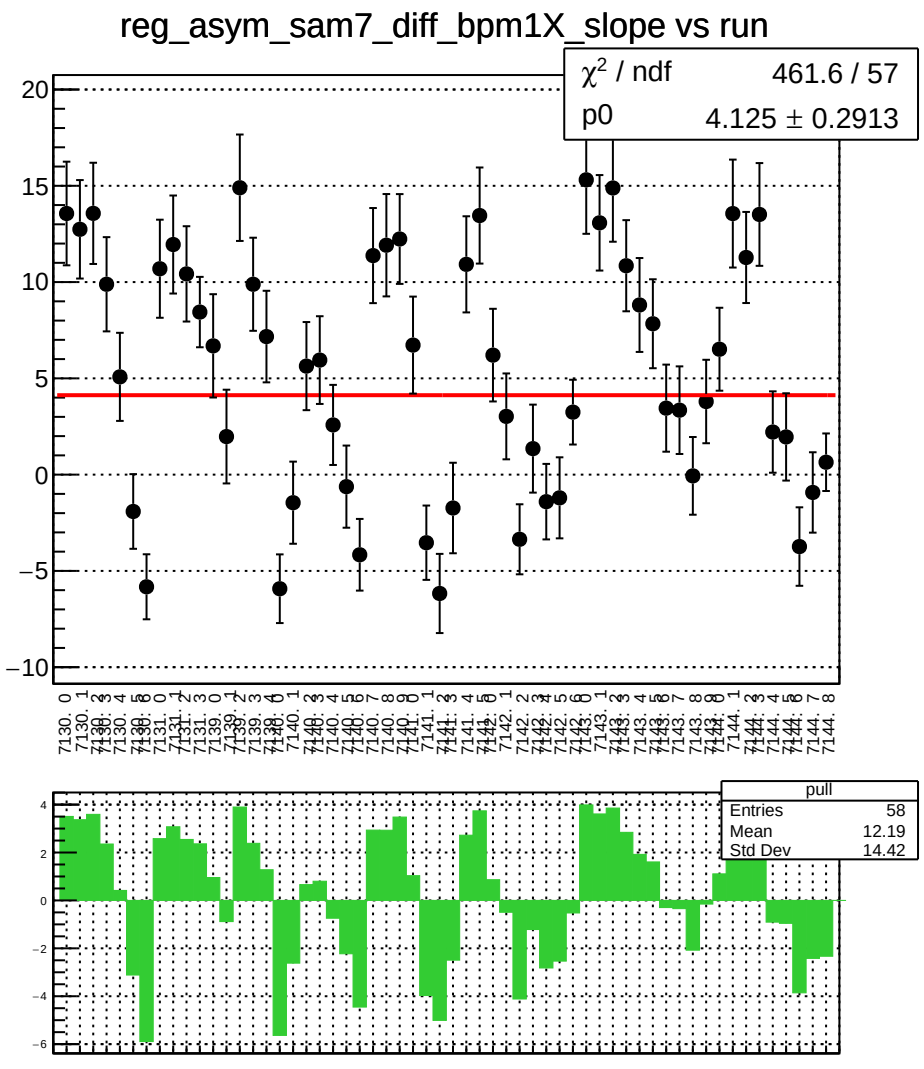

pull1D
Entries 58
Mean −0.001054
Std Dev 0.2641

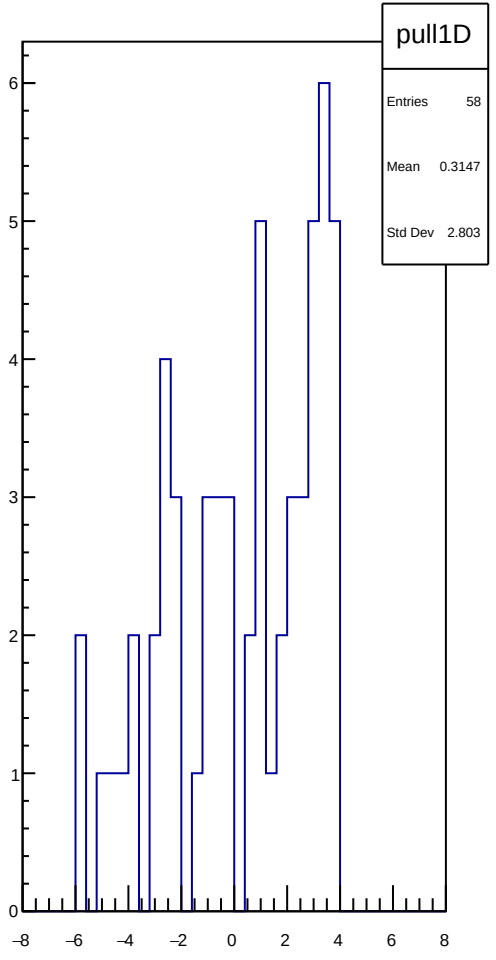

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 8.429 / 57
p0 85.61 ± 1.07
pull
Entries 58
Mean 138.1
Std Dev 114.9

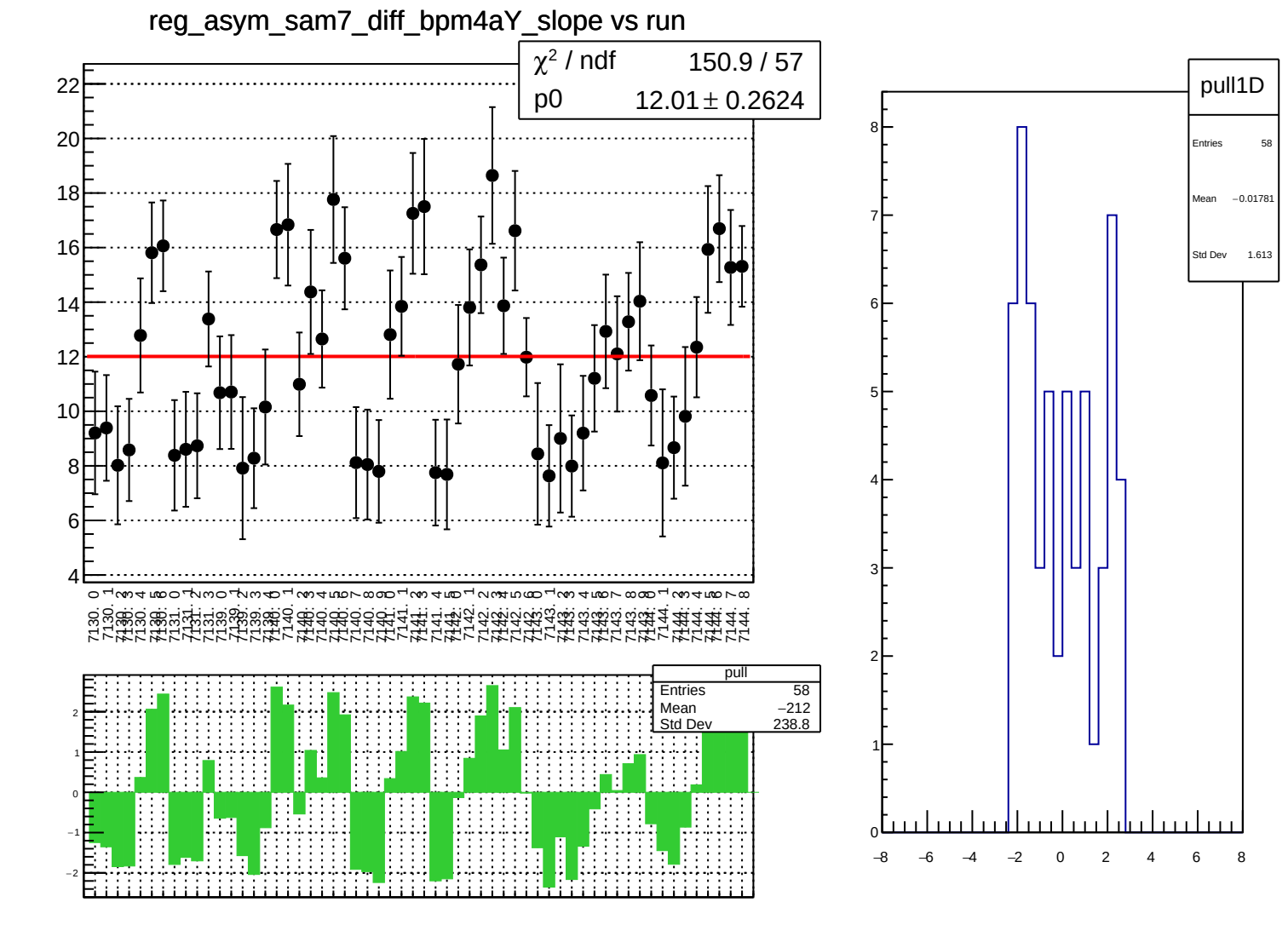

pull1D
Entries 58
Mean −0.02532
Std Dev 0.3804

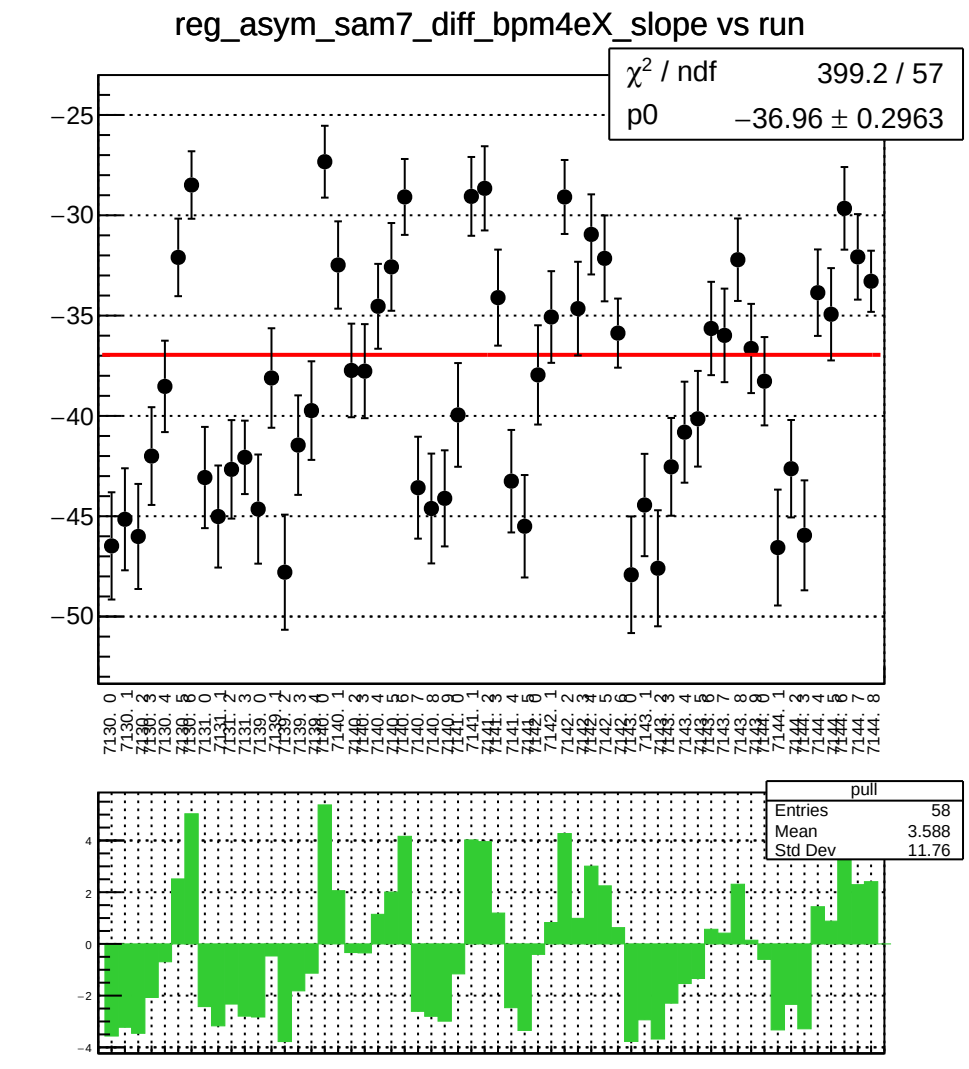

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 10.02 / 57
p0 0.1061± 0.04932
pull
Entries 58
Mean 240.1
Std Dev 212.7

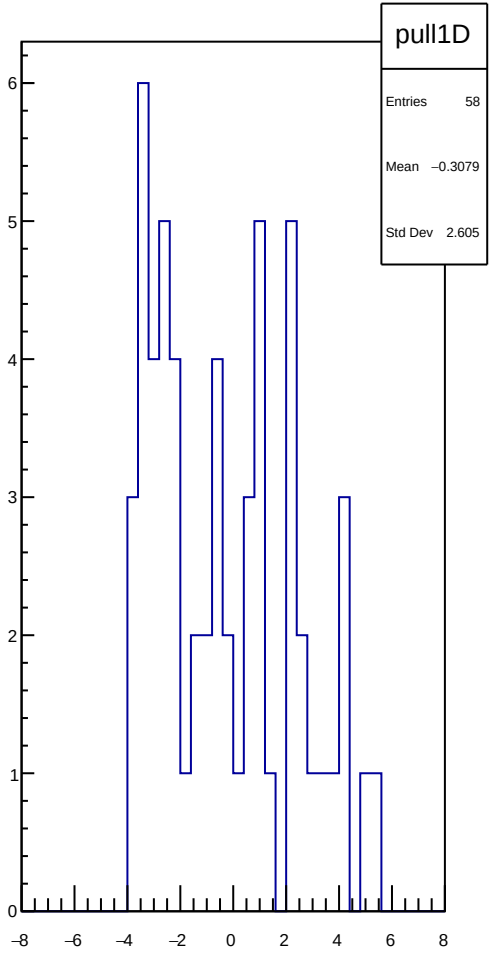

pull1D
Entries 58
Mean 0.02492
Std Dev 0.4149

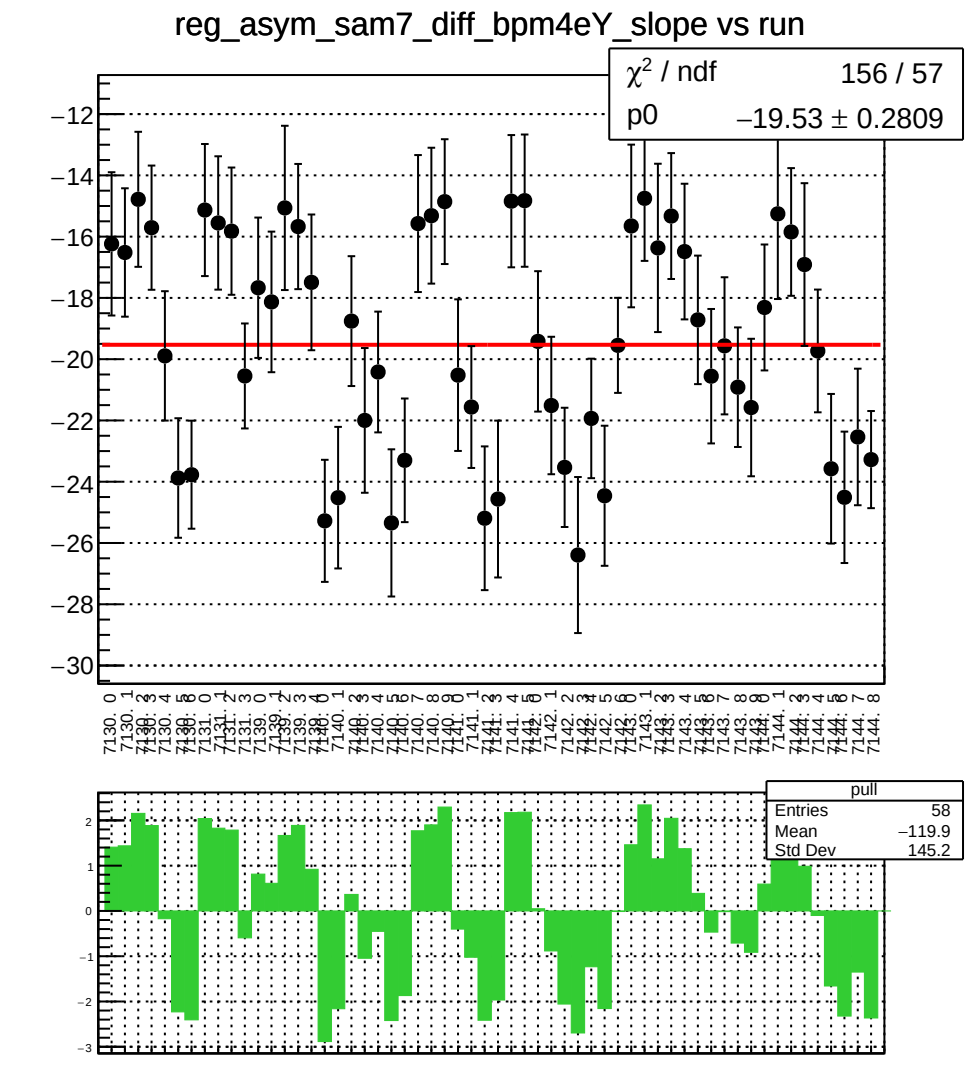

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 461.6 / 57
p0 4.125 ± 0.2913
pull
Entries 58
Mean 12.19
Std Dev 14.42

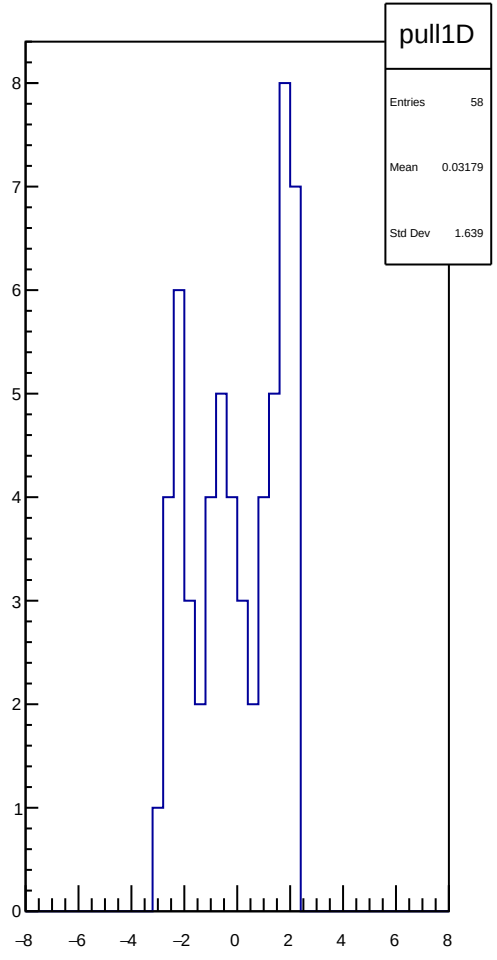

pull1D
Entries 58
Mean 0.3147
Std Dev 2.803

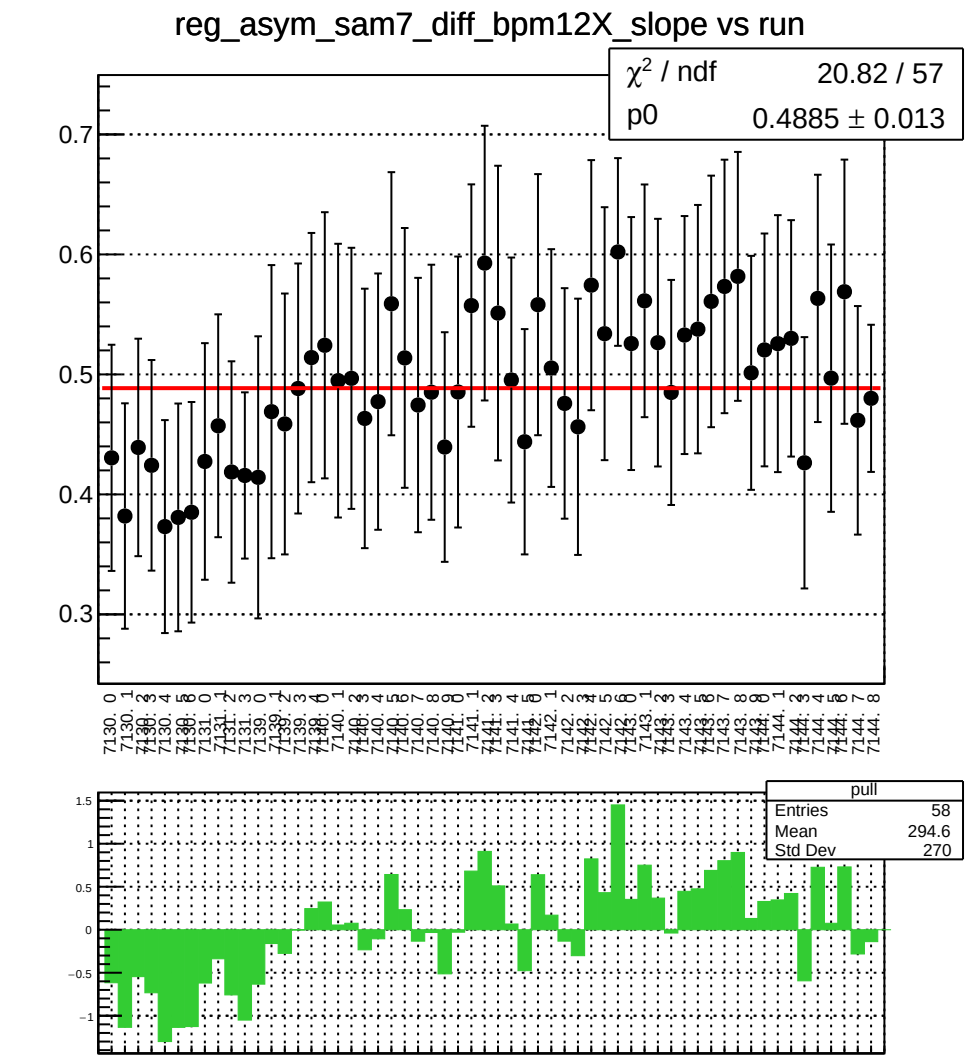

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 150.9 / 57
p0 12.01 ± 0.2624
pull
Entries 58
Mean −212
Std Dev 238.8
pull1D
Entries 58
Mean −0.01781
Std Dev 1.613

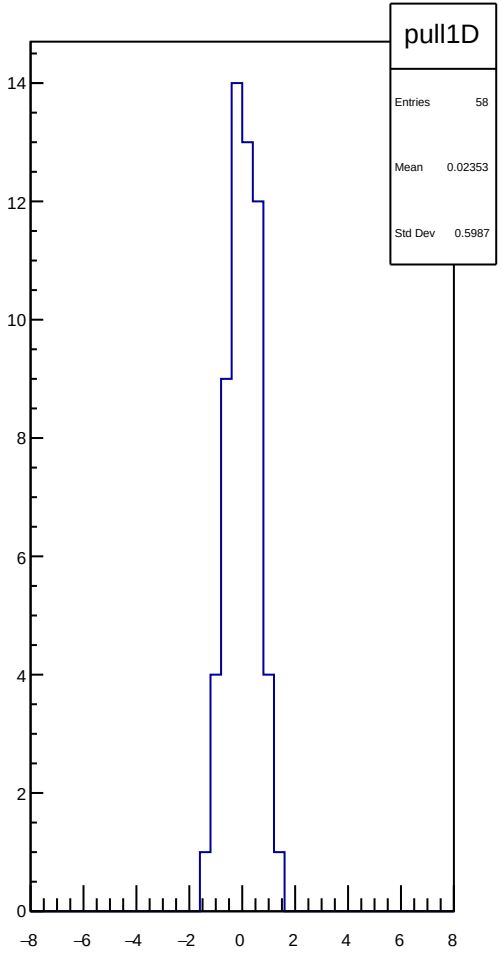

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 399.2 / 57
p0 −36.96 ± 0.2963
pull
Entries 58
Mean 3.588
Std Dev 11.76

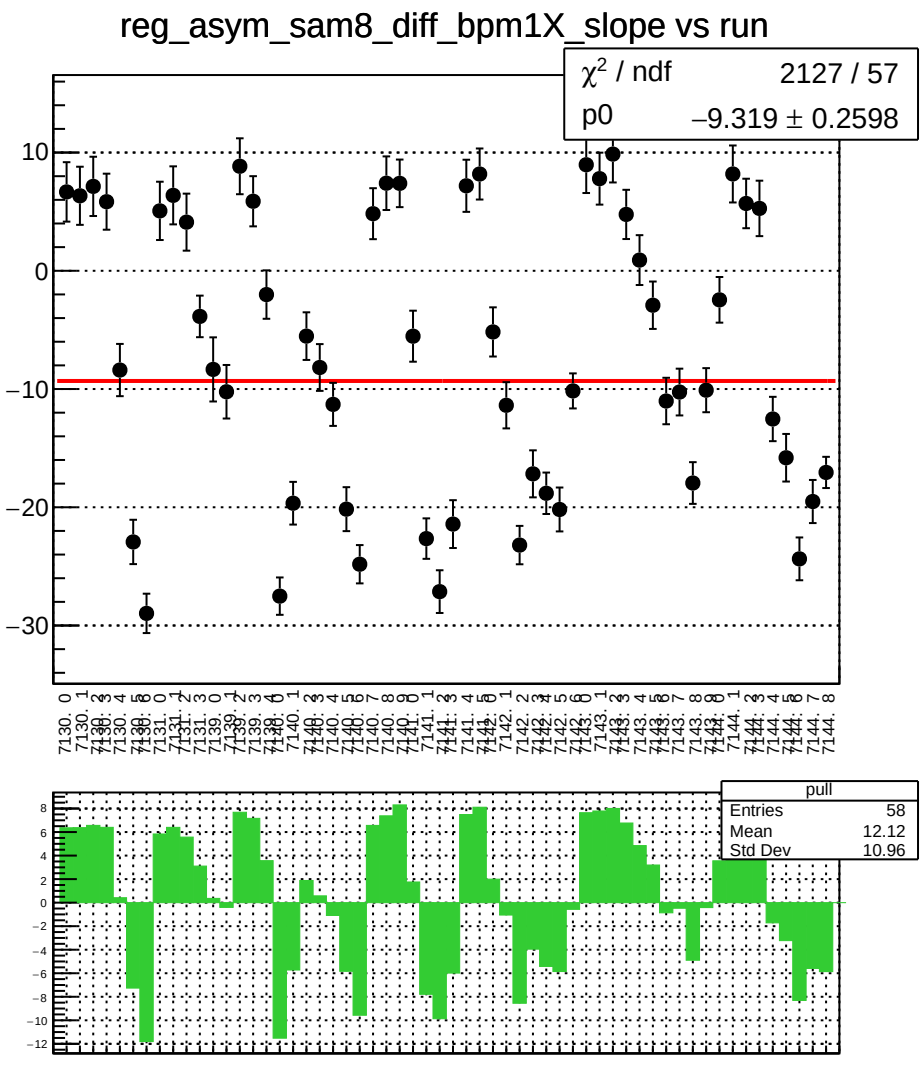

pull1D
Entries 58
Mean −0.3079
Std Dev 2.605

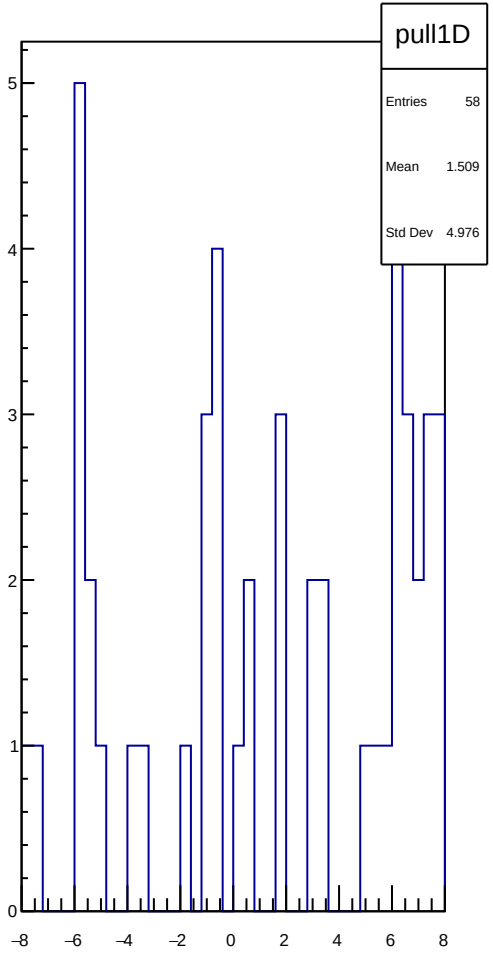

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 156 / 57
p0 −19.53 ± 0.2809
pull
Entries 58
Mean −119.9
Std Dev 145.2

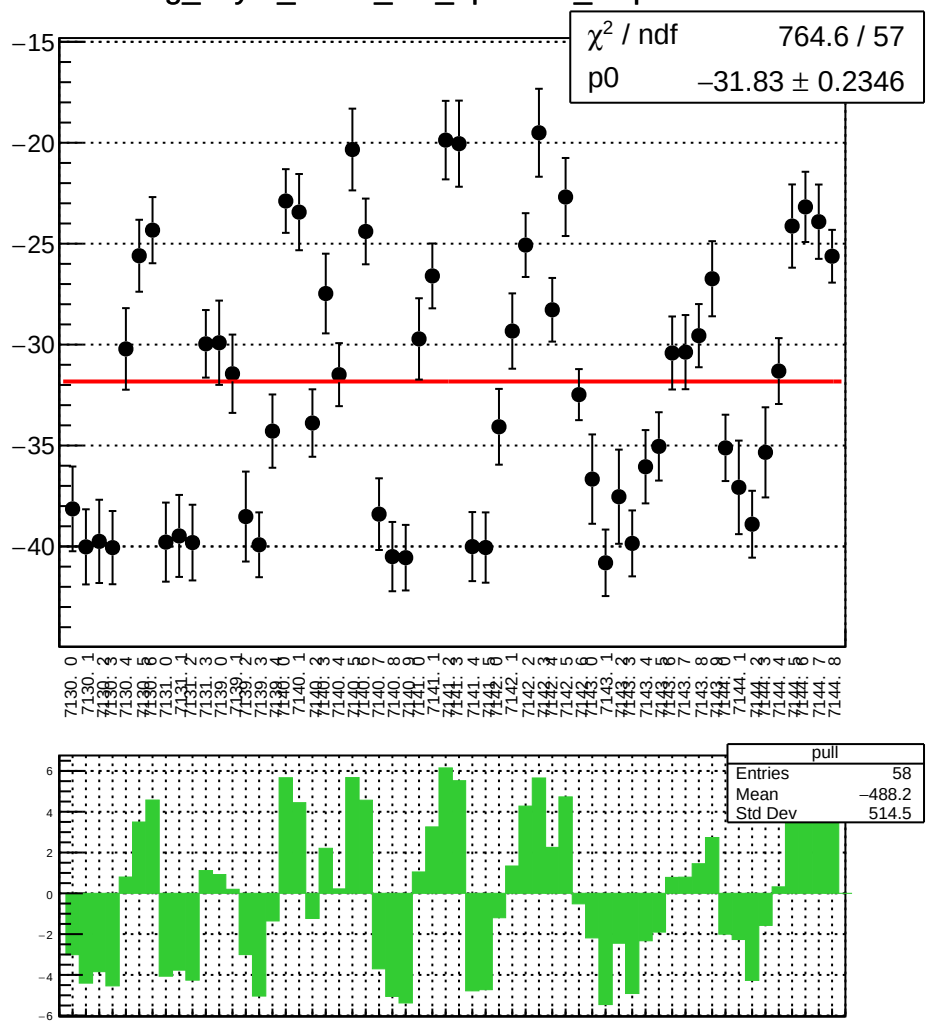

pull1D
Entries 58
Mean 0.03179
Std Dev 1.639

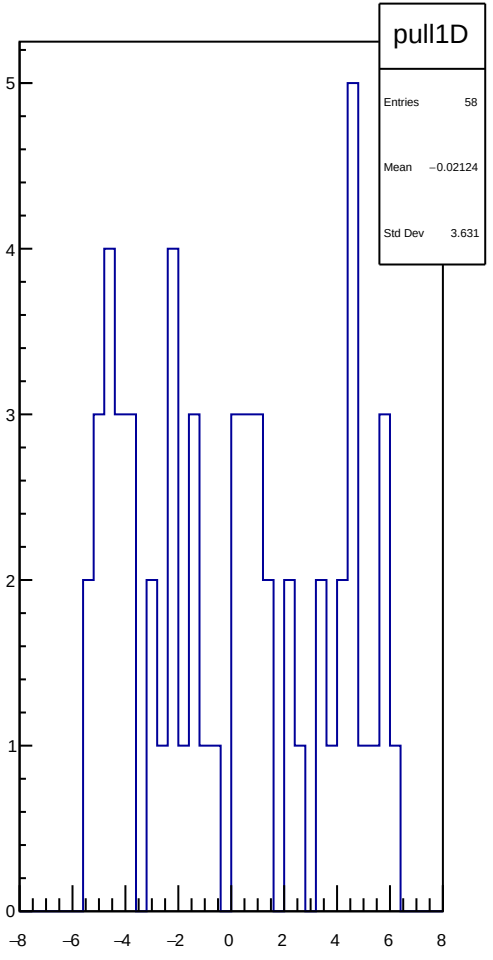

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 20.82 / 57
p0 0.4885 ± 0.013
pull
Entries 58
Mean 294.6
Std Dev 270

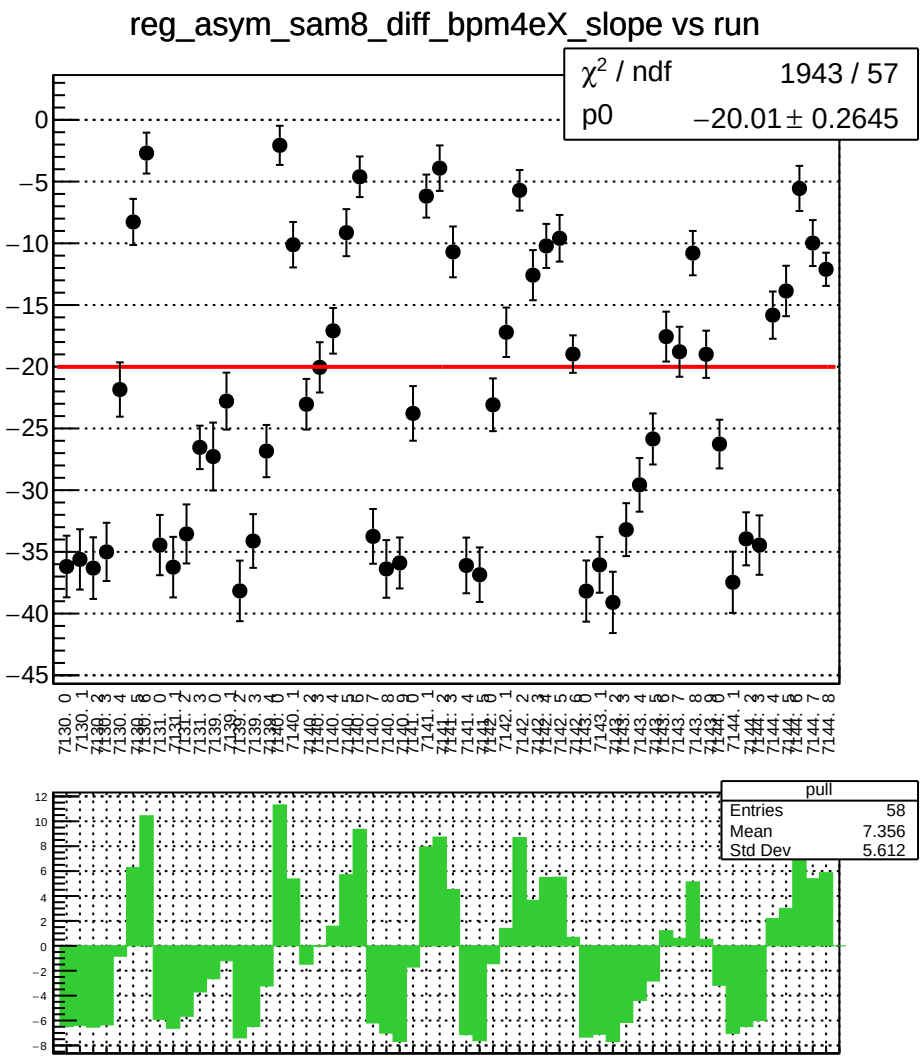

pull1D
Entries 58
Mean 0.02353
Std Dev 0.5987

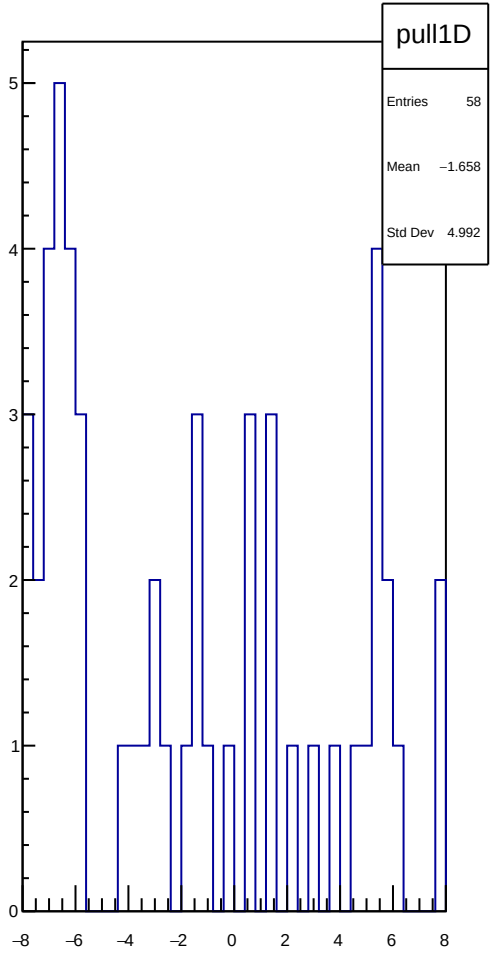

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 2127 / 57
p0 −9.319 ± 0.2598
pull
Entries 58
Mean 12.12
Std Dev 10.96

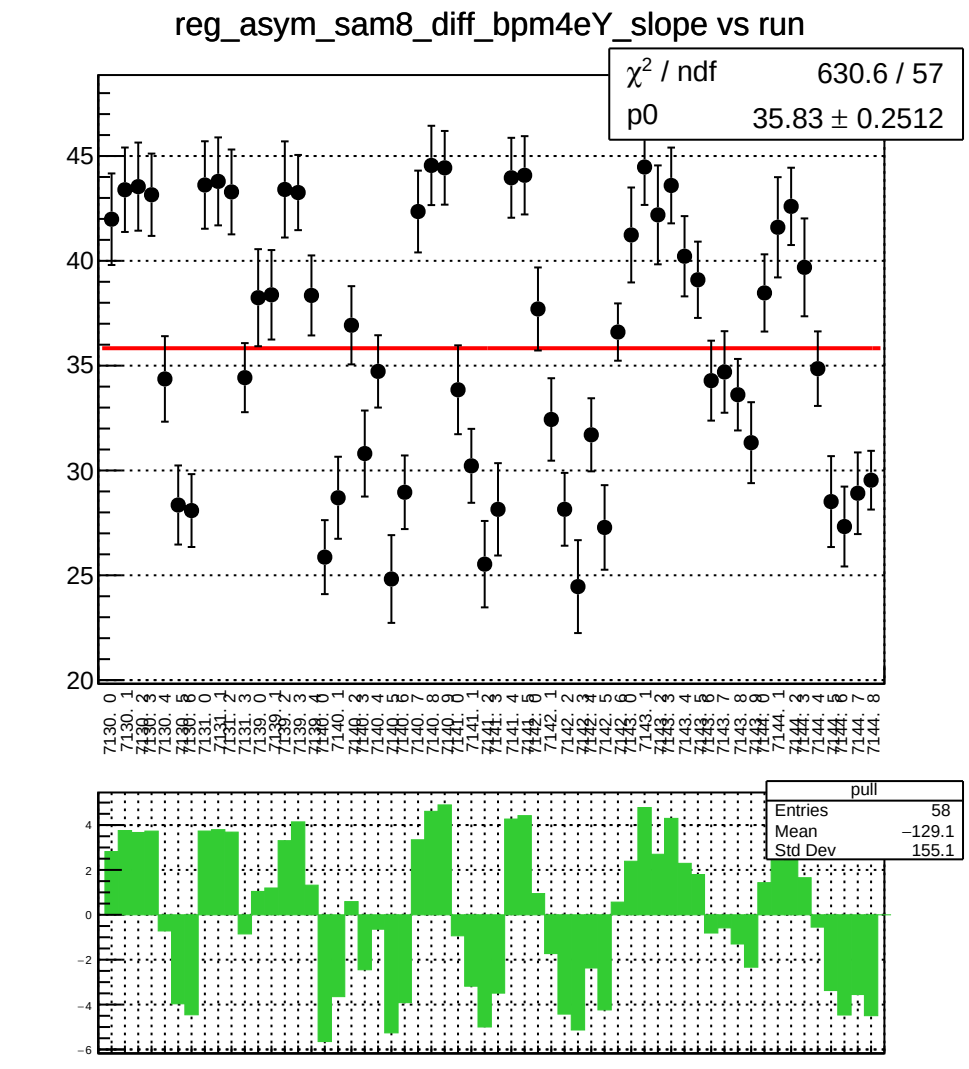

pull1D
Entries 58
Mean 1.509
Std Dev 4.976

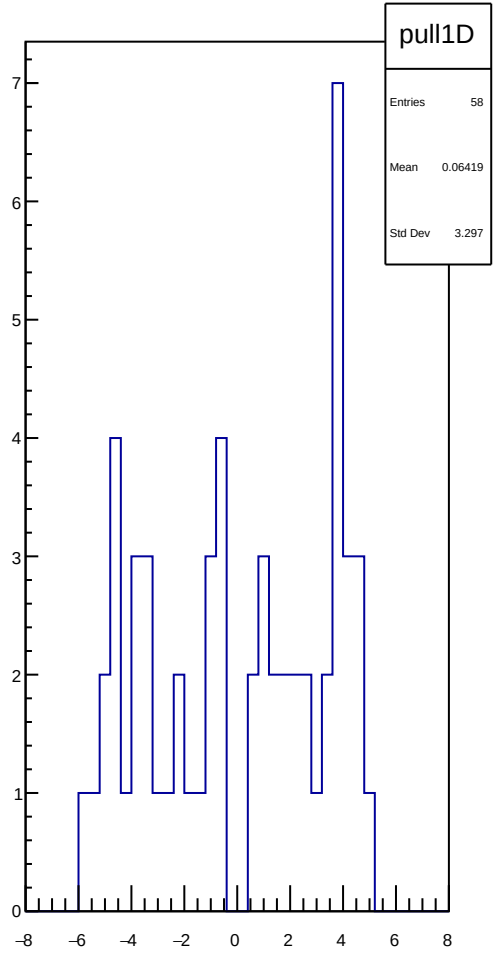

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 764.6 / 57
p0 −31.83 ± 0.2346
pull
Entries 58
Mean −488.2
Std Dev 514.5

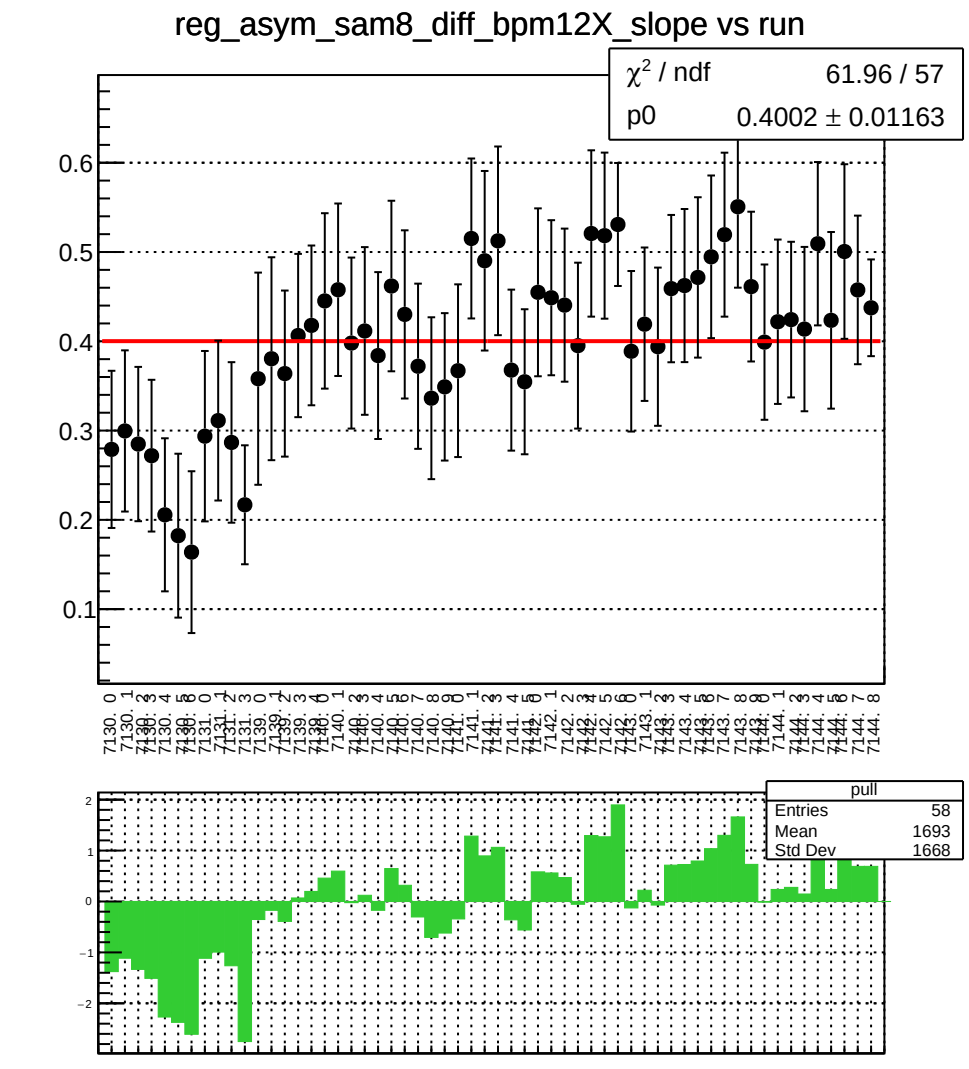

pull1D
Entries 58
Mean −0.02124
Std Dev 3.631

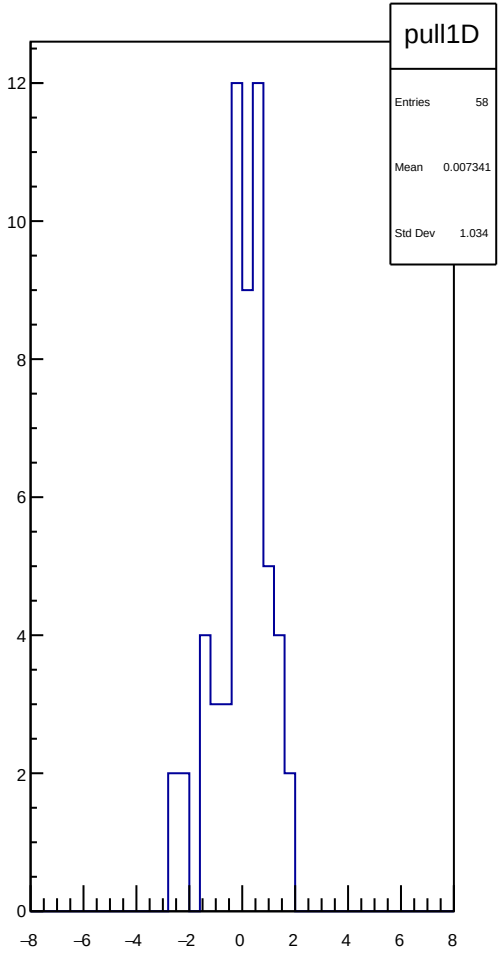

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 1943 / 57
p0 −20.01 ± 0.2645
pull
Entries 58
Mean 7.356
Std Dev 5.612

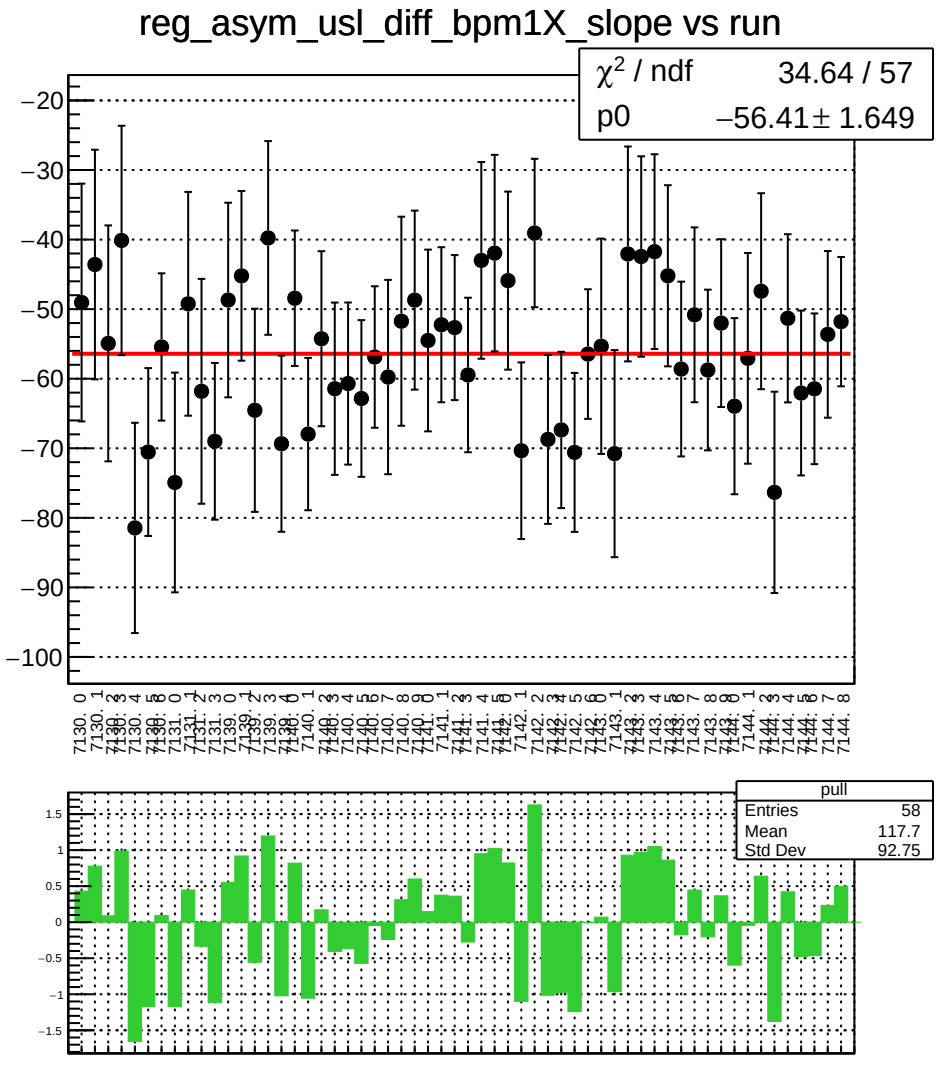

pull1D
Entries 58
Mean −1.658
Std Dev 4.992

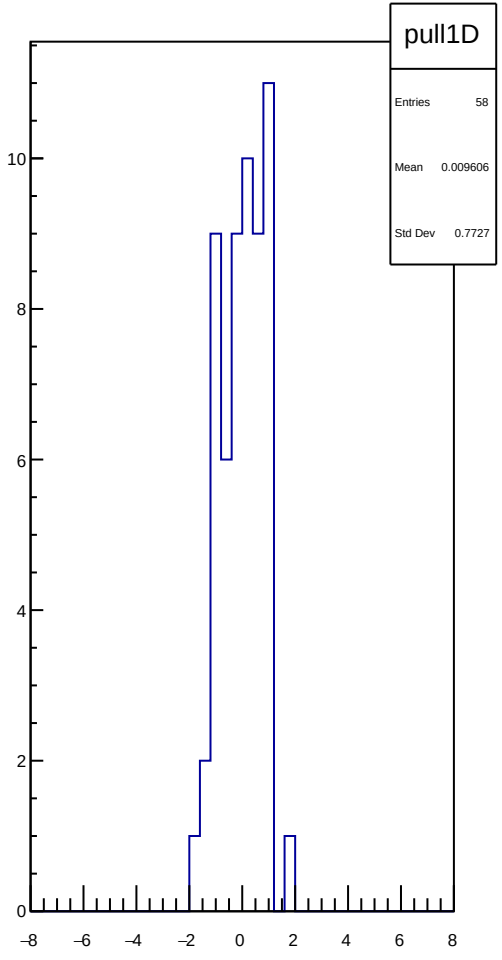

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 630.6 / 57
p0 35.83 ± 0.2512
pull
Entries 58
Mean −129.1
Std Dev 155.1

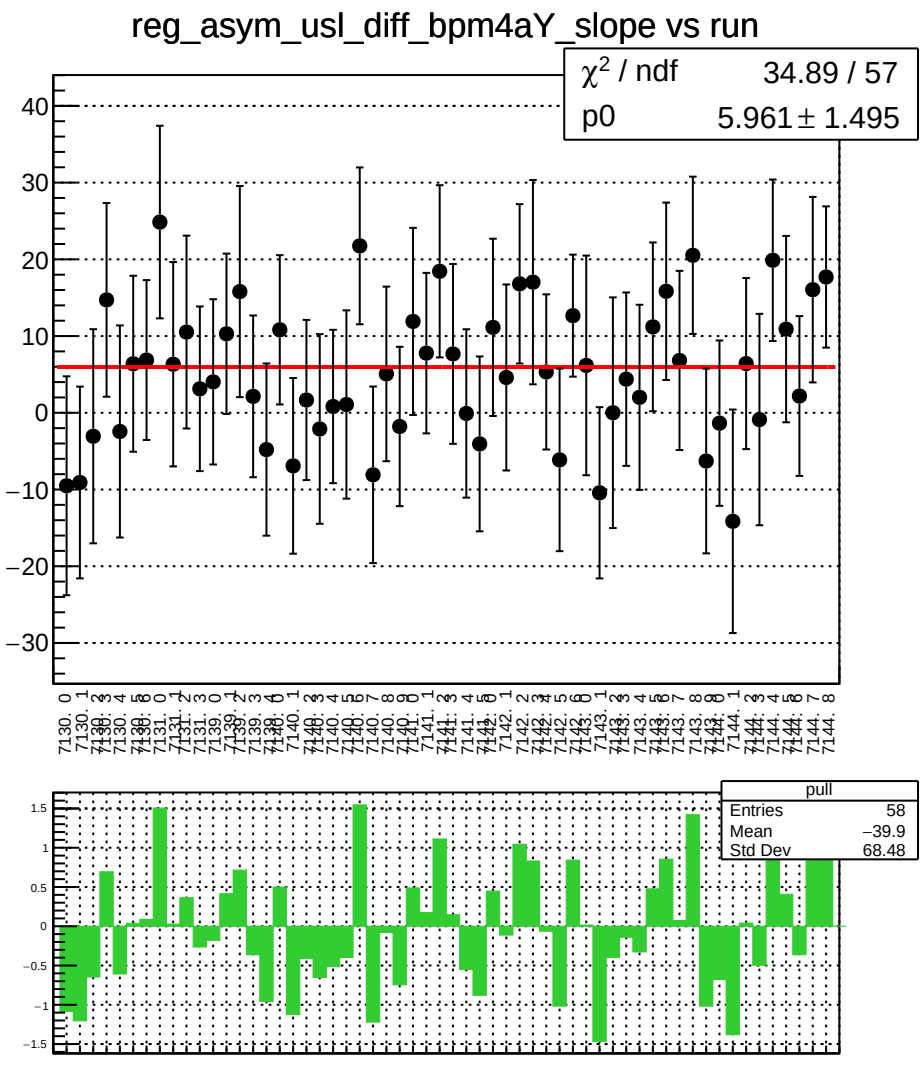

pull1D
Entries 58
Mean 0.06419
Std Dev 3.297

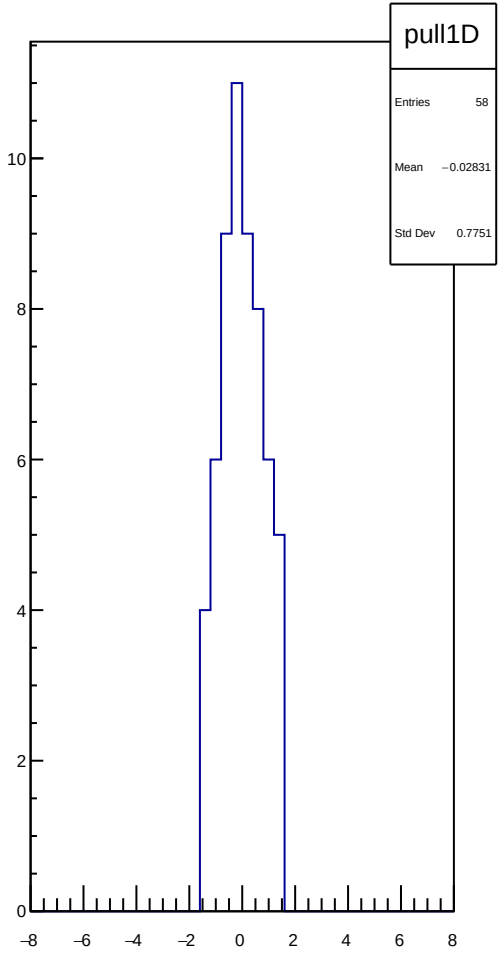

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 61.96 / 57
p0 0.4002 ± 0.01163
pull
Entries 58
Mean 1693
Std Dev 1668

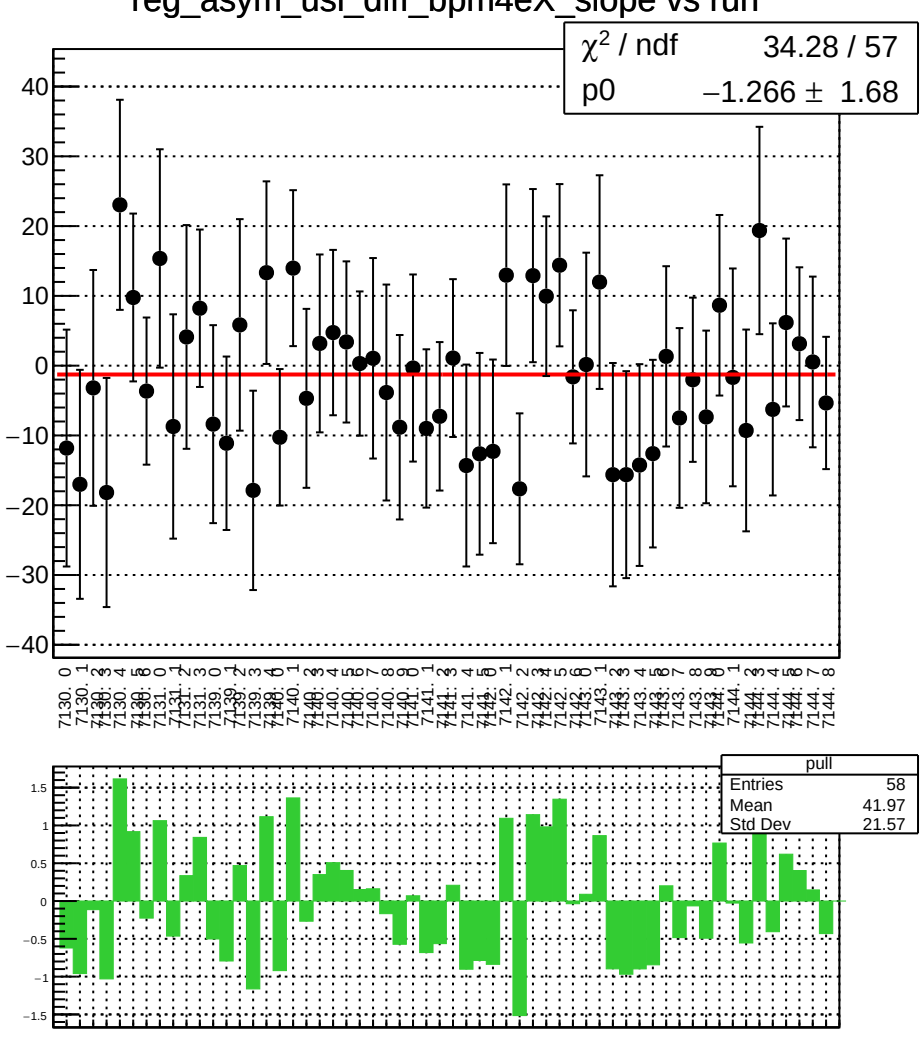

pull1D
Entries 58
Mean 0.007341
Std Dev 1.034

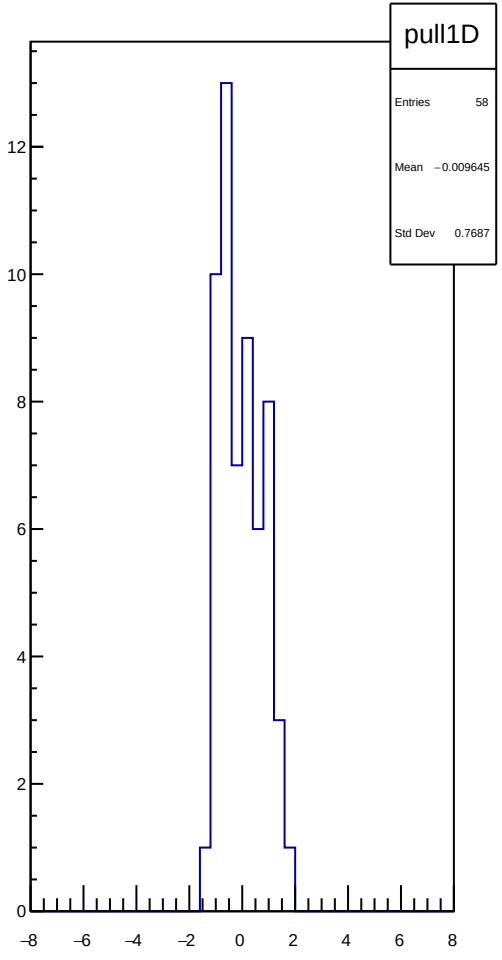

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 34.64 / 57
p0 −56.41± 1.649
pull
Entries 58
Mean 117.7
Std Dev 92.75

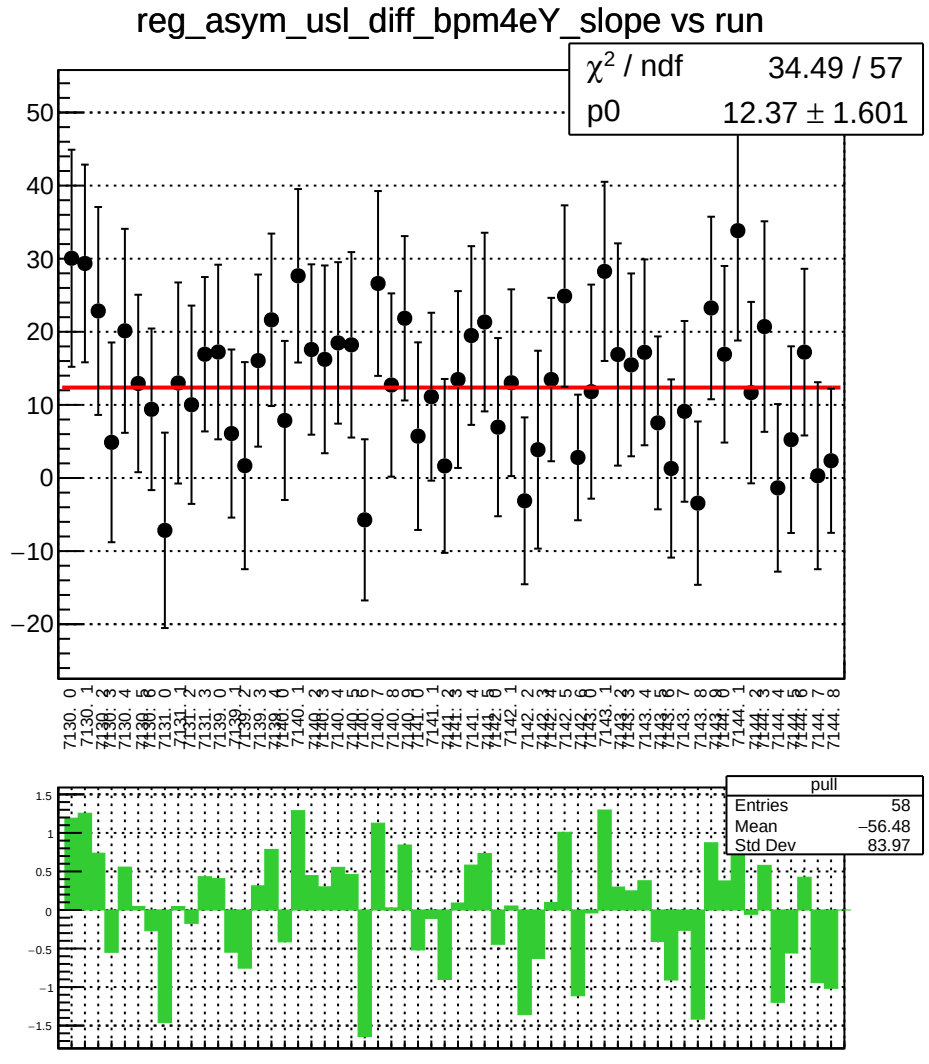

pull1D
Entries 58
Mean 0.009606
Std Dev 0.7727

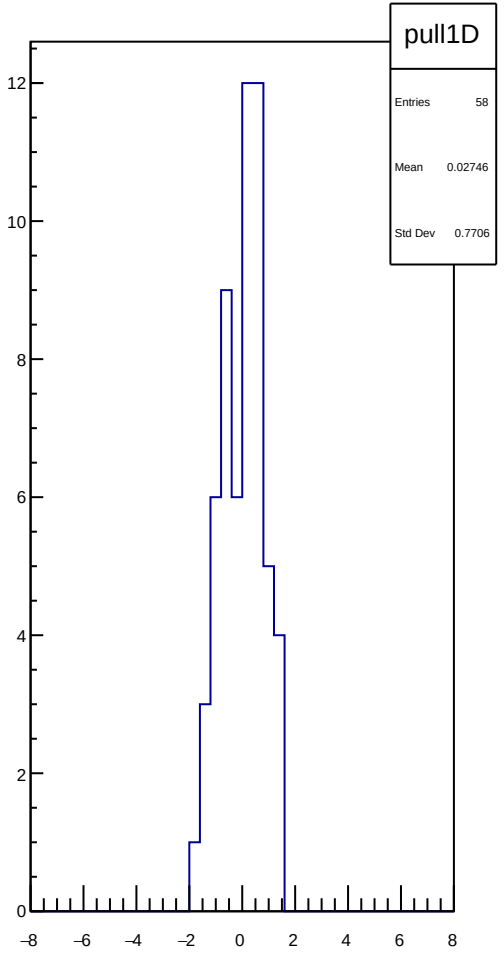

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 34.89 / 57
p0 5.961 ± 1.495
pull
Entries 58
Mean −39.9
Std Dev 68.48

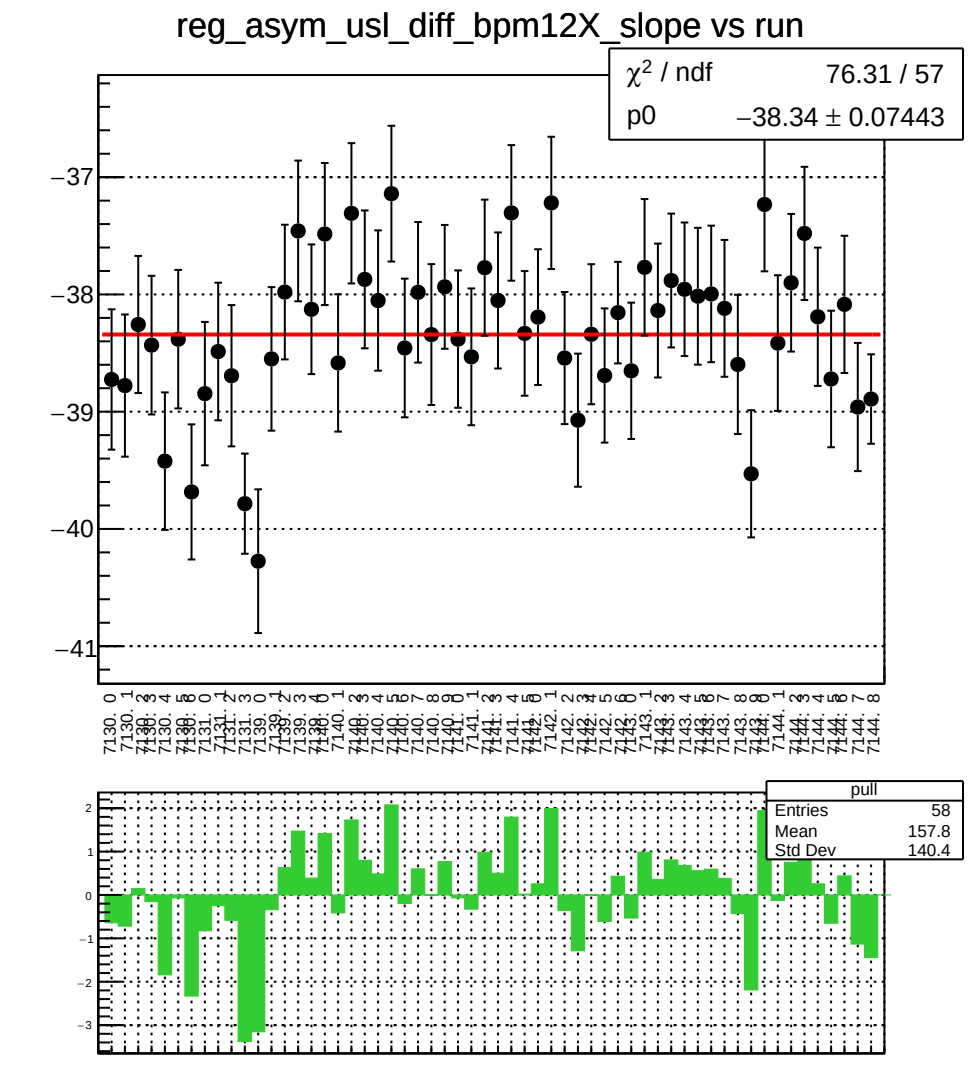

pull1D
Entries 58
Mean −0.02831
Std Dev 0.7751

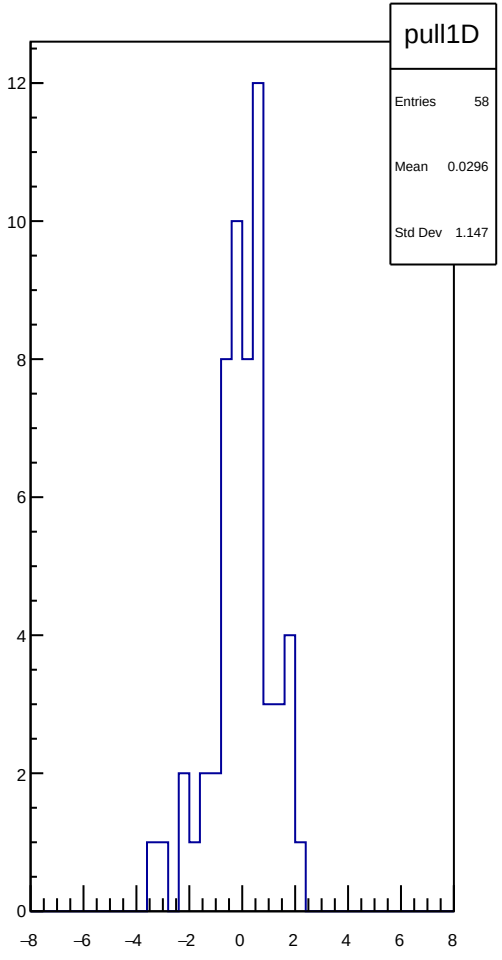

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 34.28 / 57
p0 −1.266 ± 1.68
pull
Entries 58
Mean 41.97
Std Dev 21.57

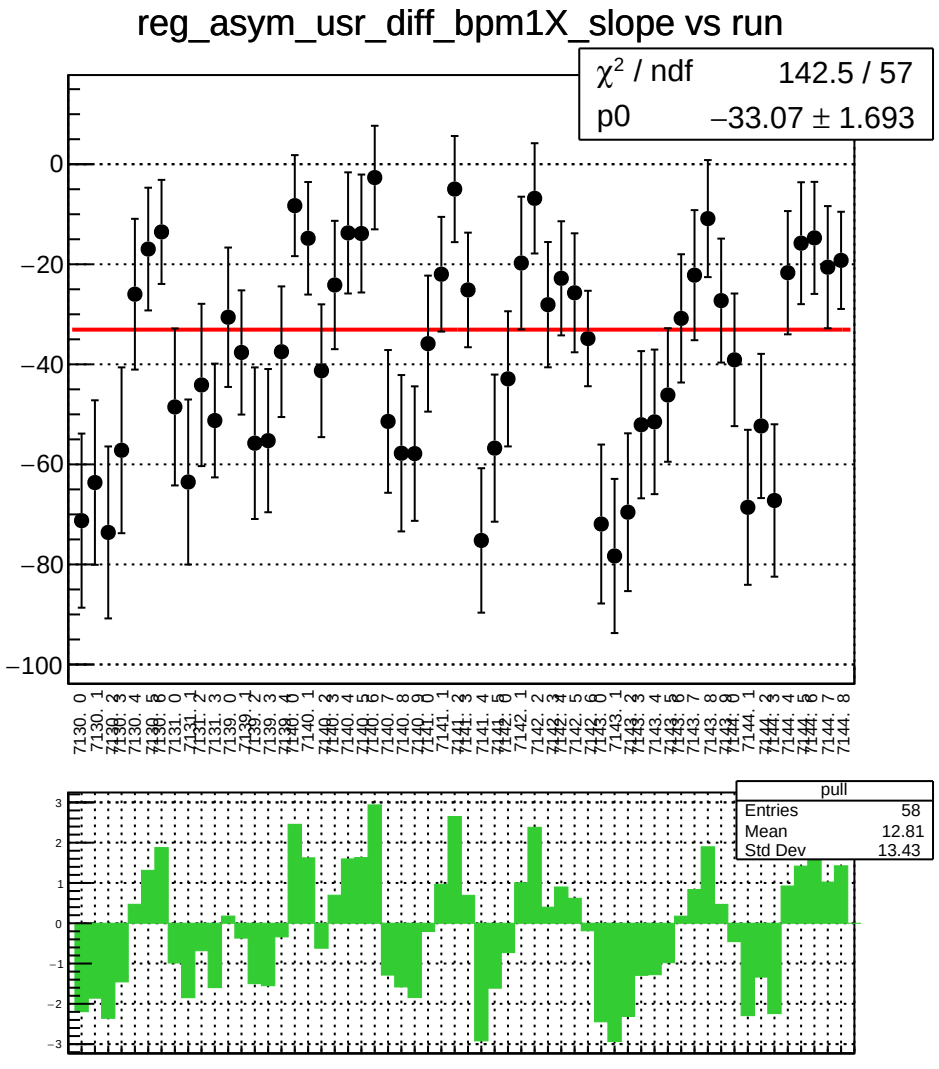

pull1D
Entries 58
Mean −0.009645
Std Dev 0.7687

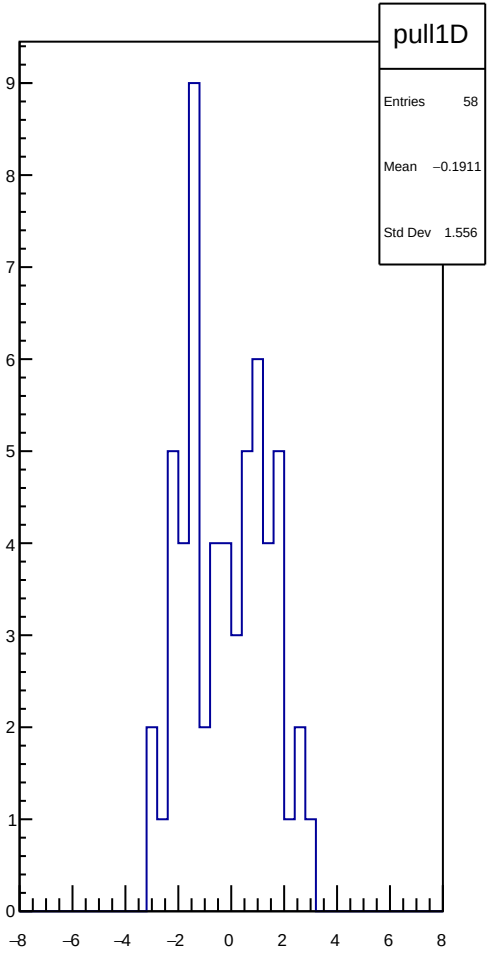

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 34.49 / 57
p0 12.37 ± 1.601
pull
Entries 58
Mean −56.48
Std Dev 83.97

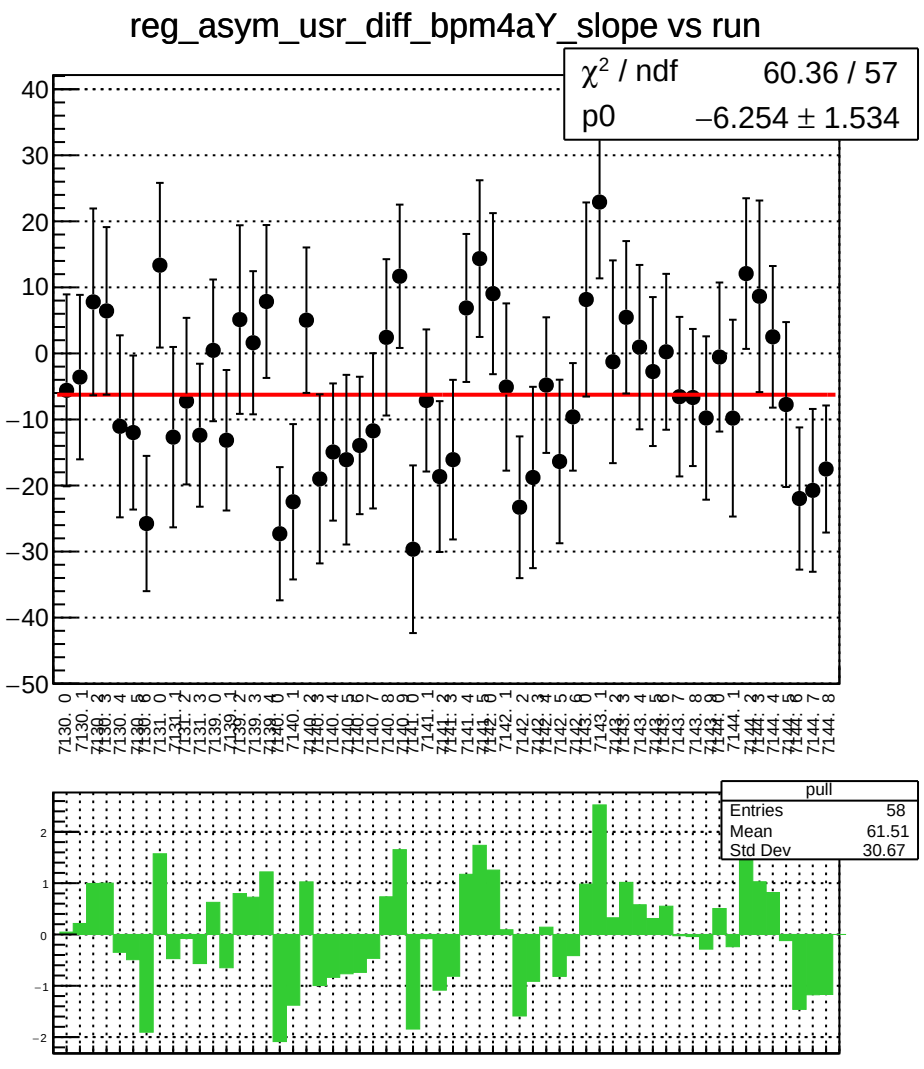

pull1D
Entries 58
Mean 0.02746
Std Dev 0.7706

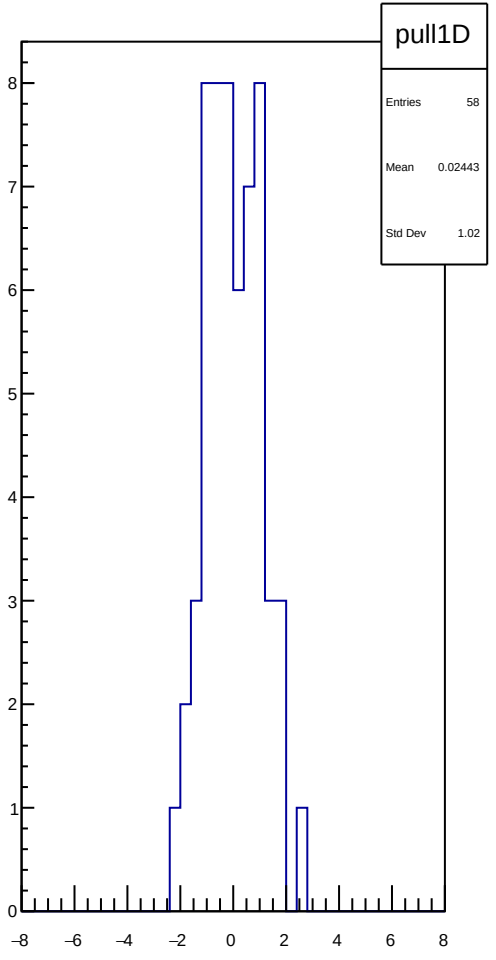

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 76.31 / 57
p0 −38.34 ± 0.07443
pull
Entries 58
Mean 157.8
Std Dev 140.4

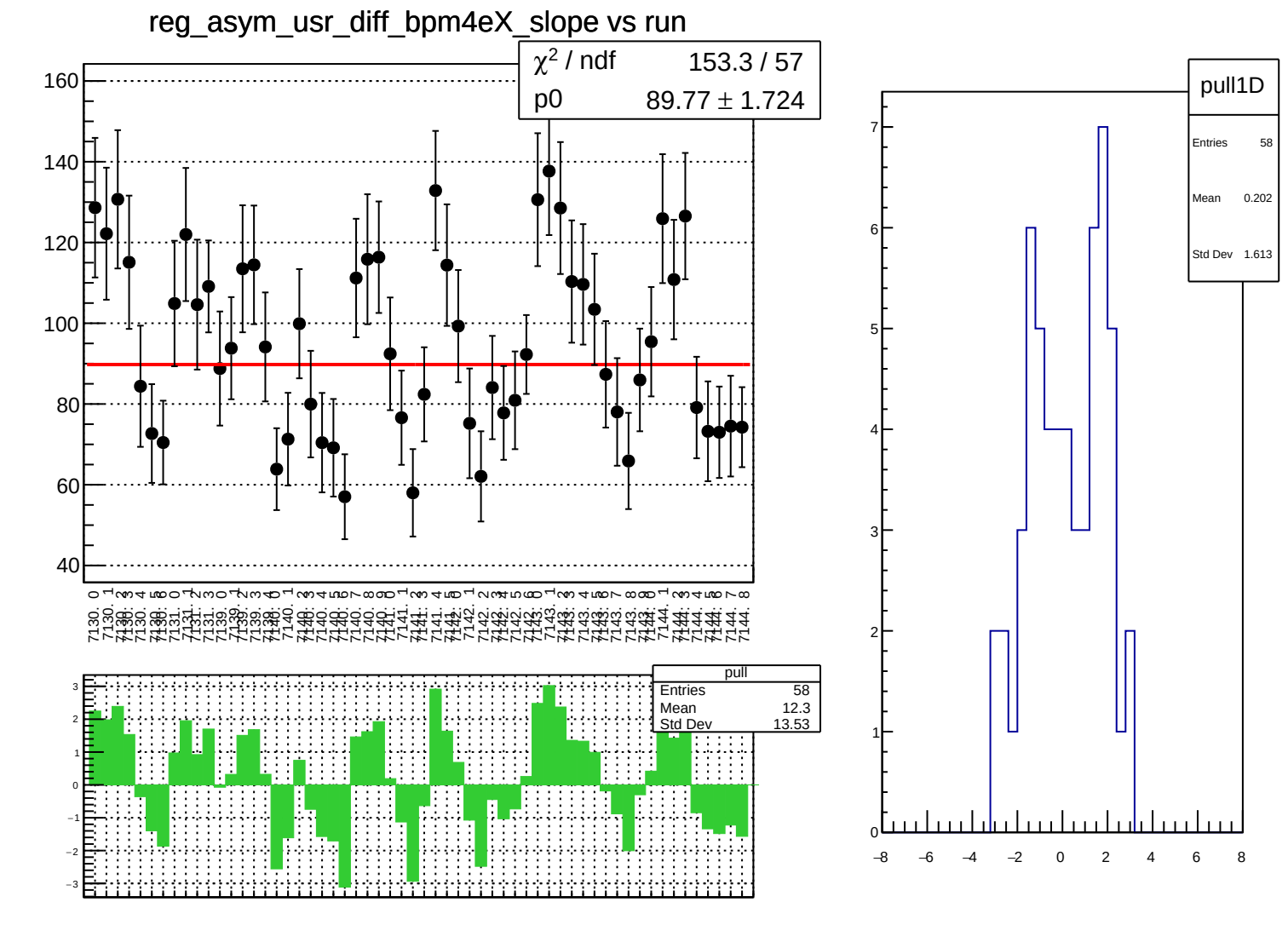

pull1D
Entries 58
Mean 0.0296
Std Dev 1.147

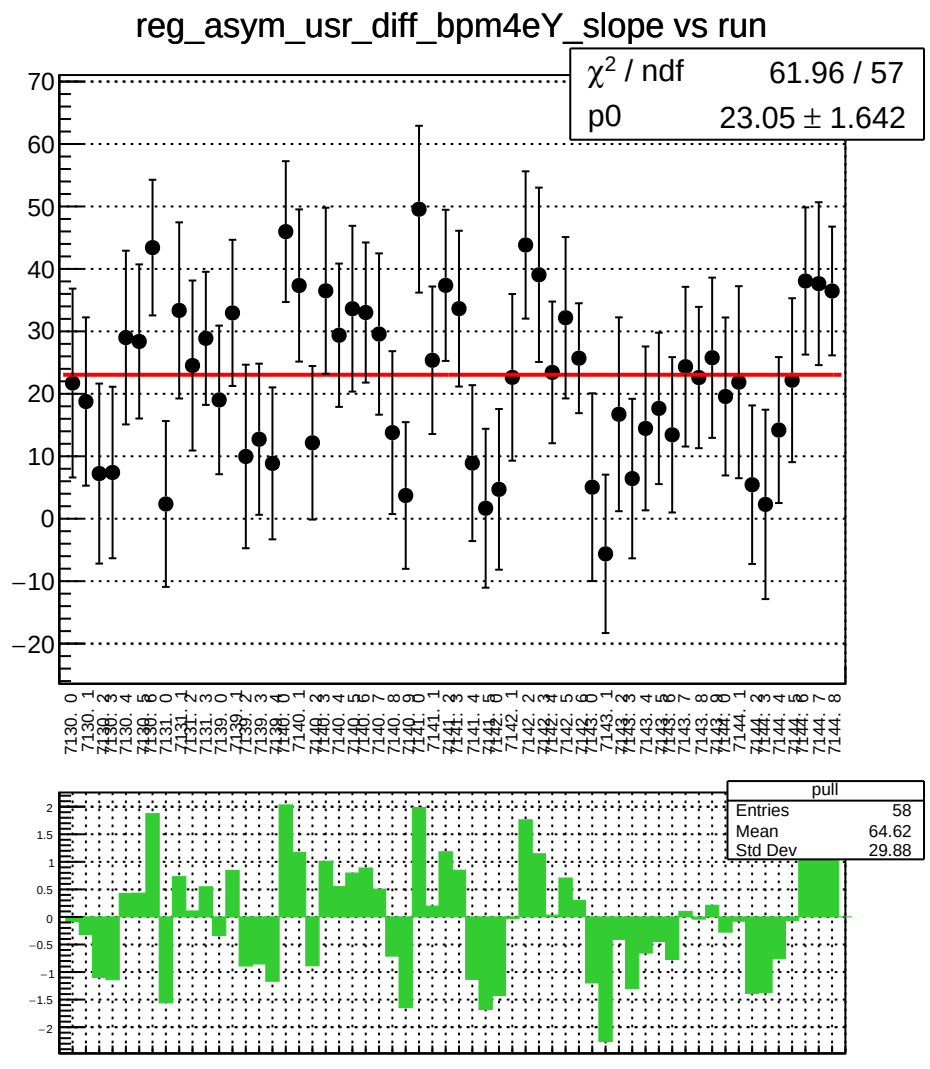

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 142.5 / 57
p0 −33.07 ± 1.693
pull
Entries 58
Mean 12.81
Std Dev 13.43

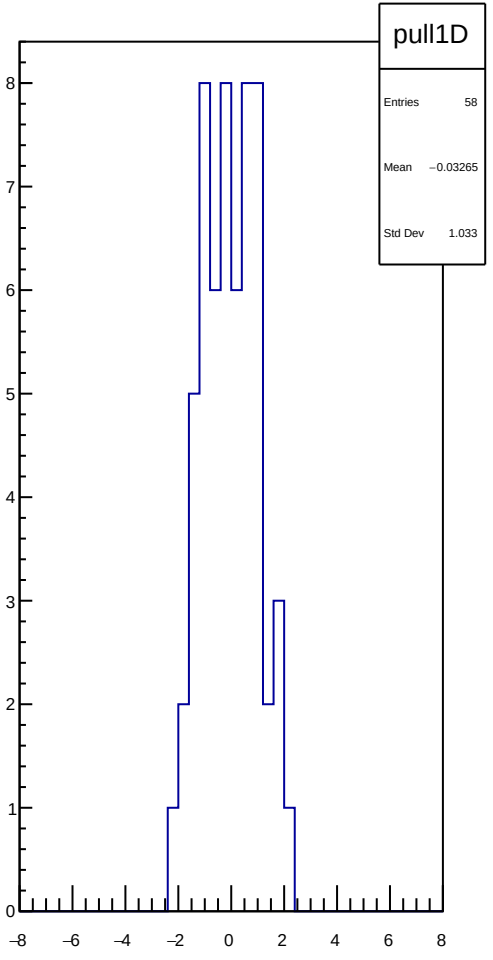

pull1D
Entries 58
Mean −0.1911
Std Dev 1.556

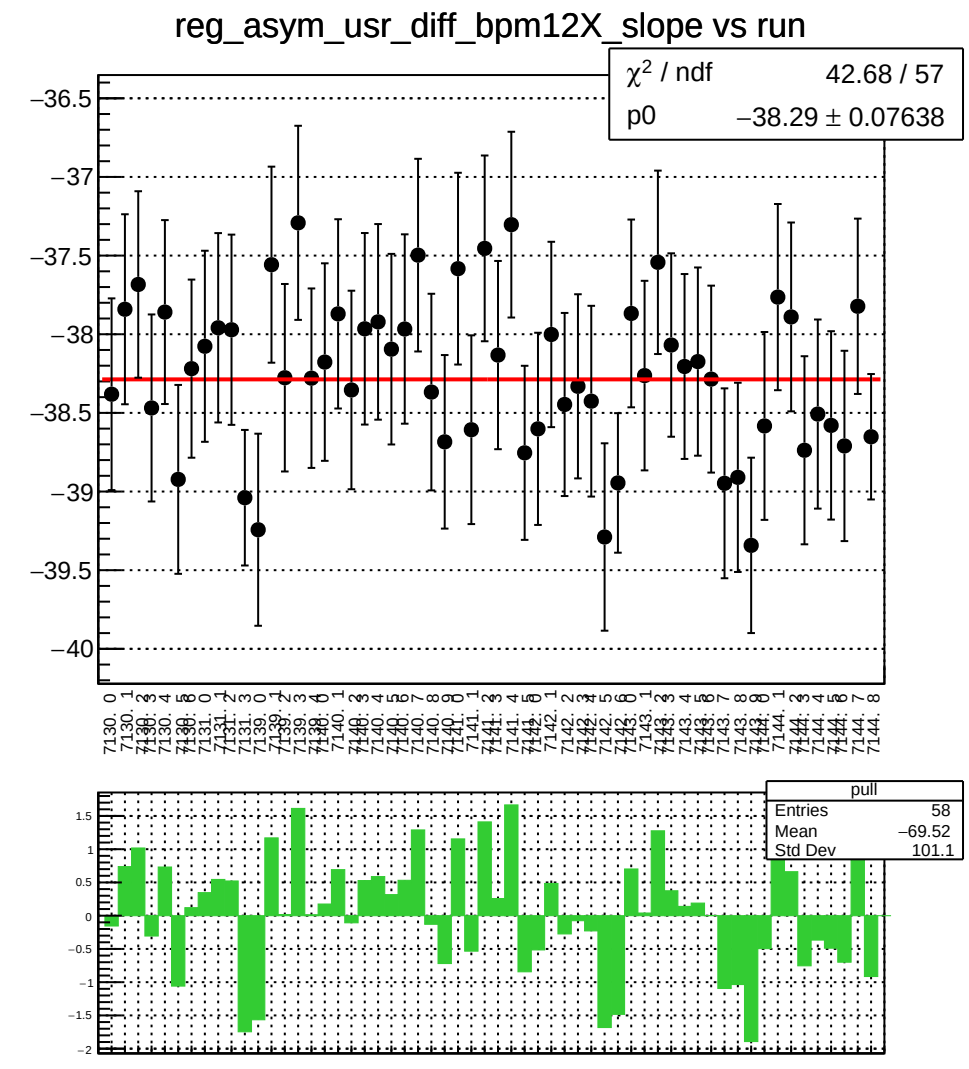

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 60.36 / 57
p0 −6.254 ± 1.534
pull
Entries 58
Mean 61.51
Std Dev 30.67

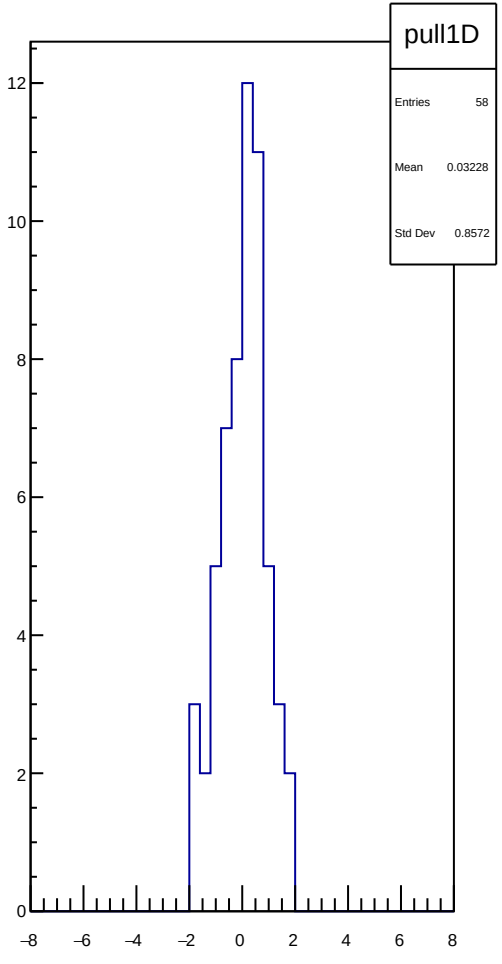

pull1D
Entries 58
Mean 0.02443
Std Dev 1.02

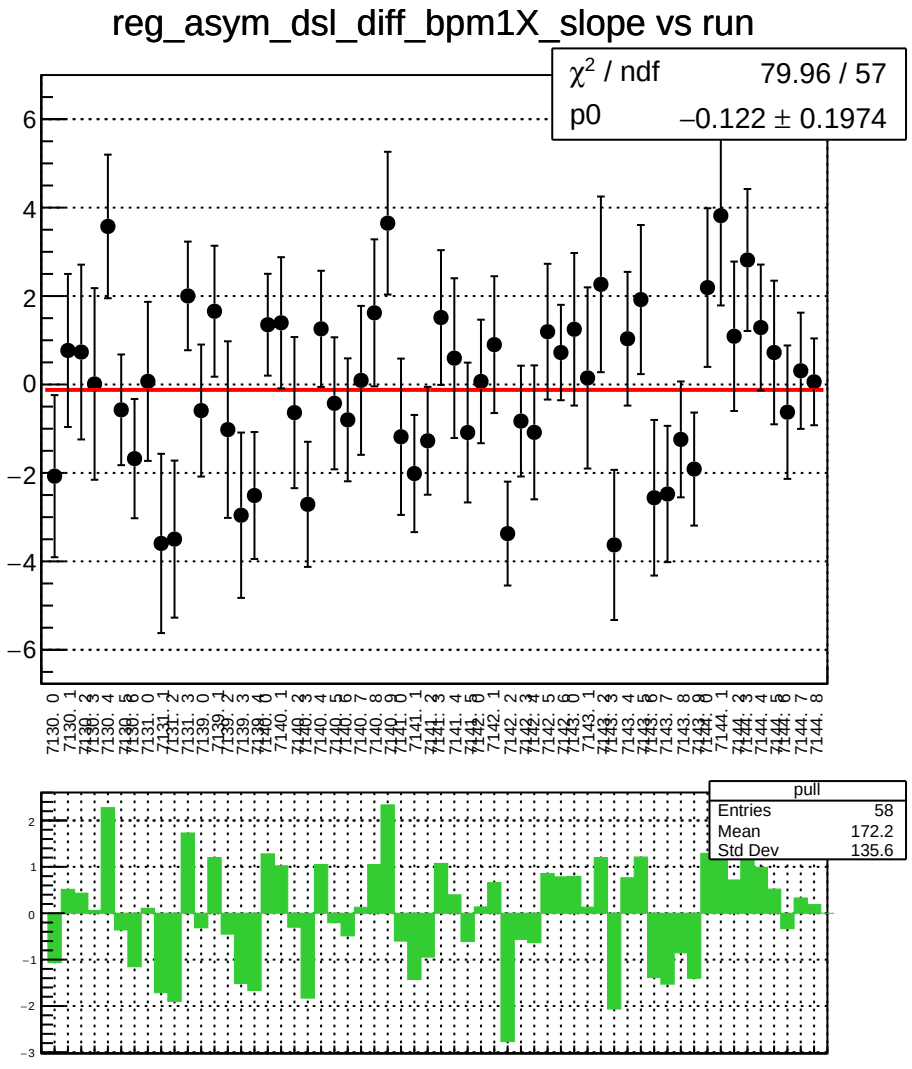

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 153.3 / 57
p0 89.77 ± 1.724
pull
Entries 58
Mean 12.3
Std Dev 13.53
pull1D
Entries 58
Mean 0.202
Std Dev 1.613

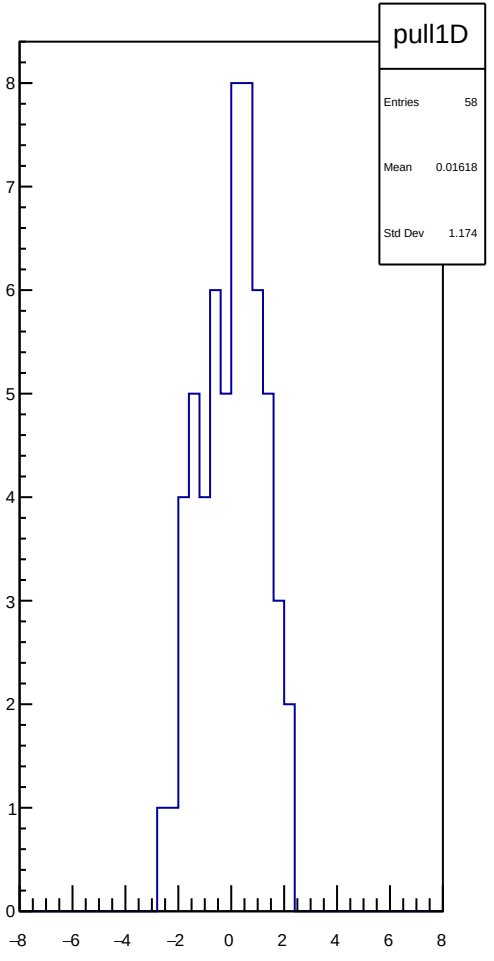

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 61.96 / 57
p0 23.05 ± 1.642
pull
Entries 58
Mean 64.62
Std Dev 29.88

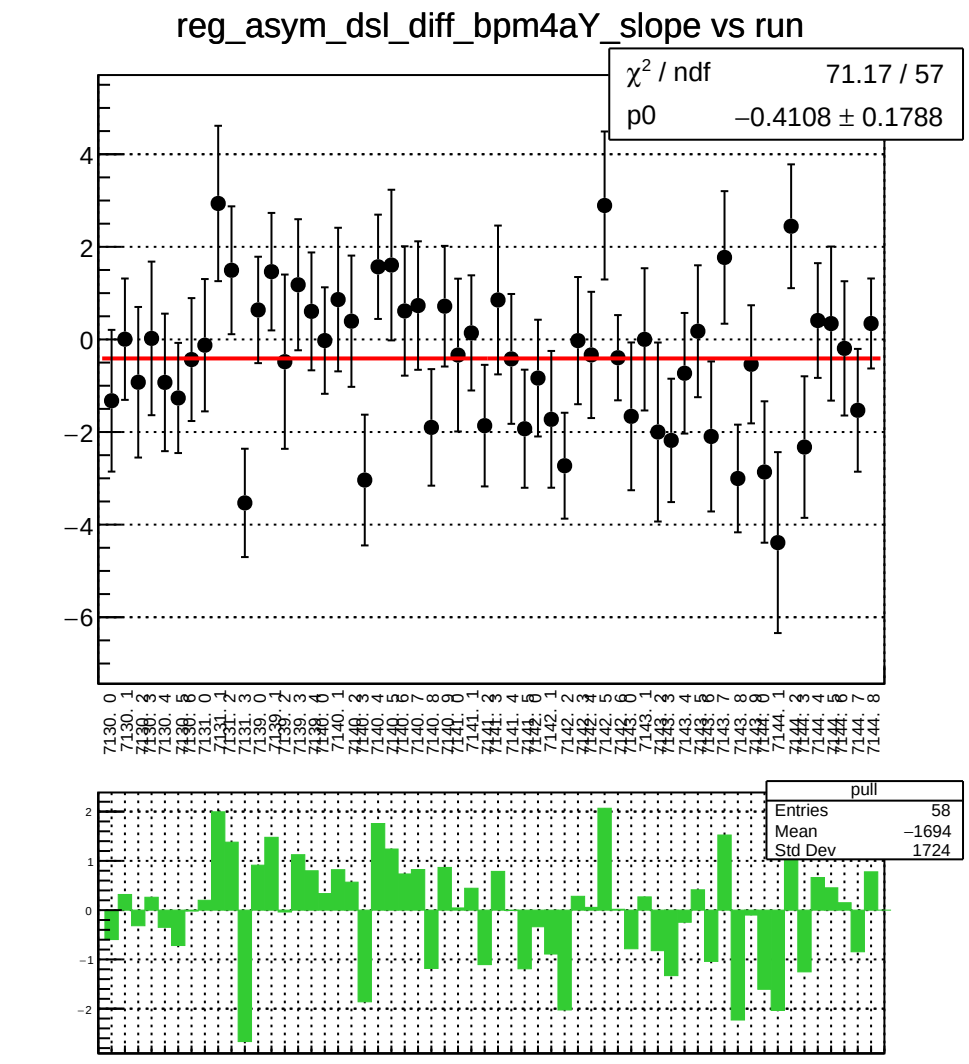

pull1D
Entries 58
Mean −0.03265
Std Dev 1.033

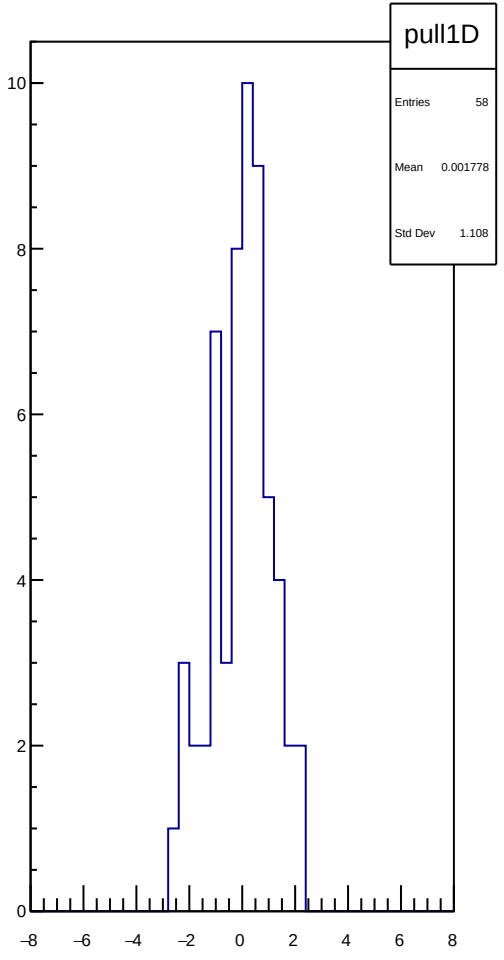

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 42.68 / 57
p0 −38.29 ± 0.07638
pull
Entries 58
Mean −69.52
Std Dev 101.1

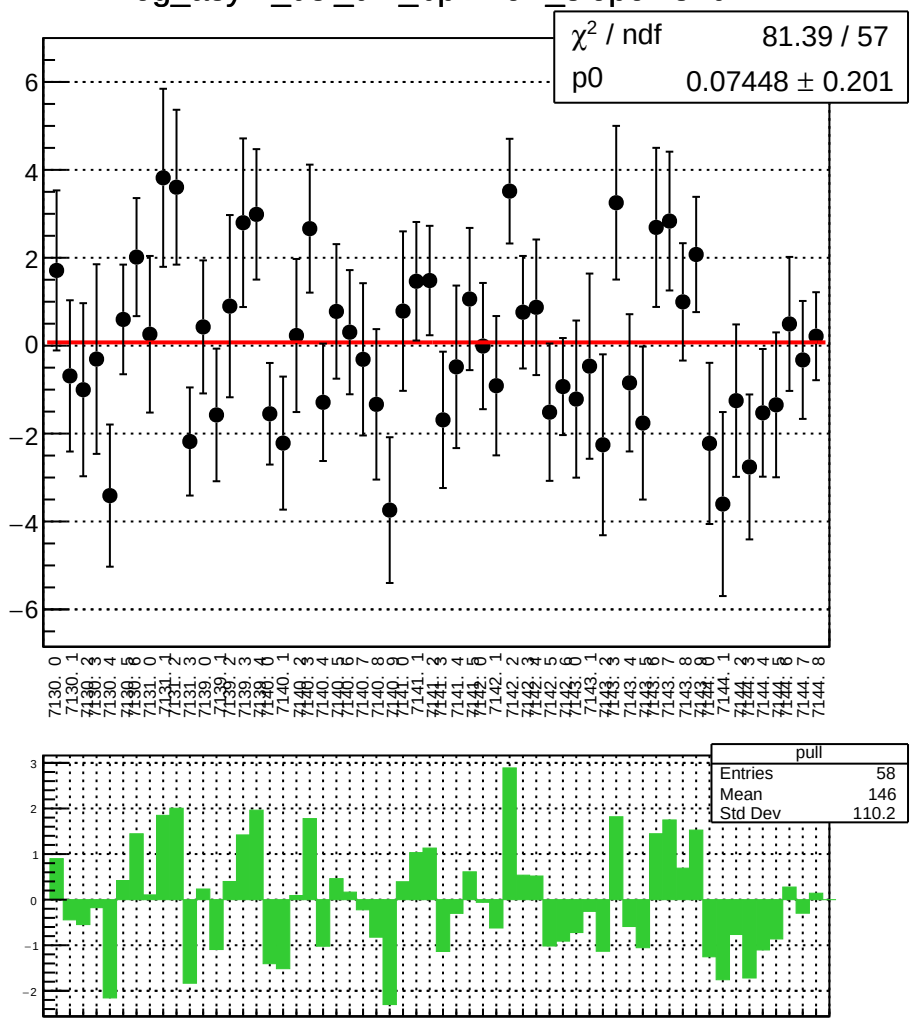

pull1D
Entries 58
Mean 0.03228
Std Dev 0.8572

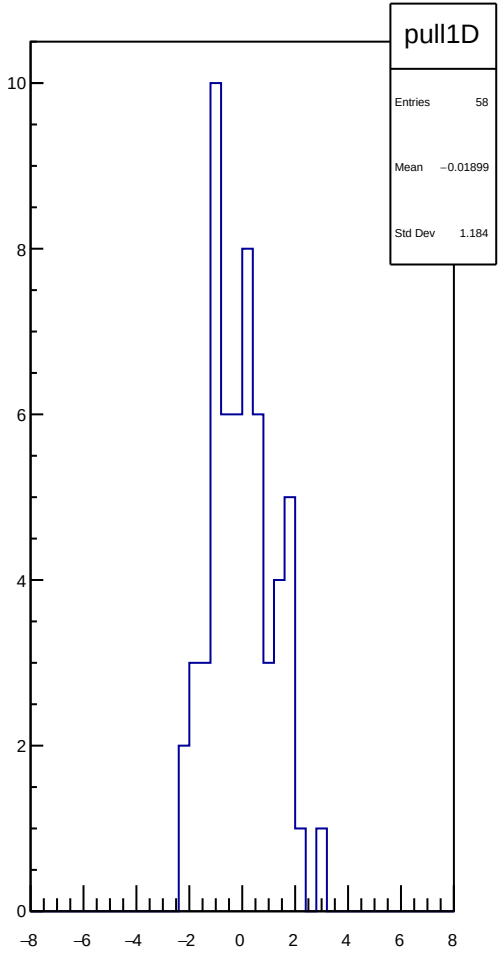

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 79.96 / 57
p0 −0.122 ± 0.1974
pull
Entries 58
Mean 172.2
Std Dev 135.6

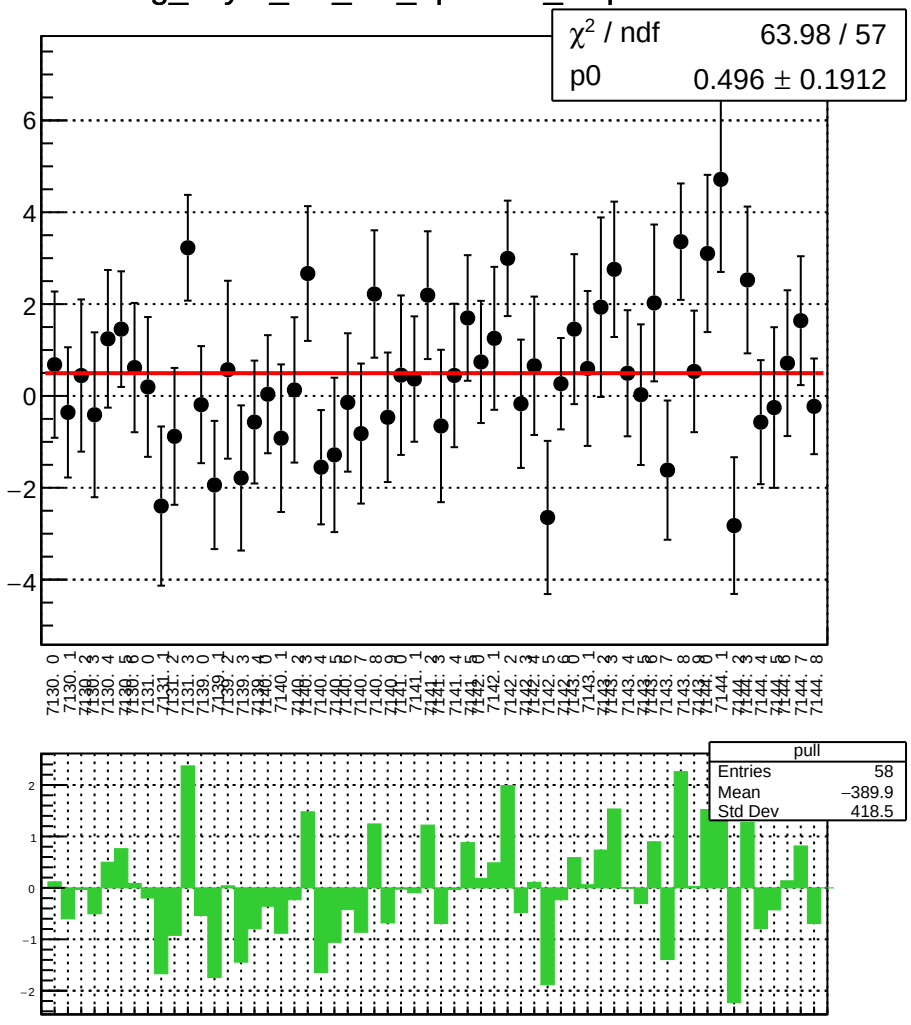

pull1D
Entries 58
Mean 0.01618
Std Dev 1.174

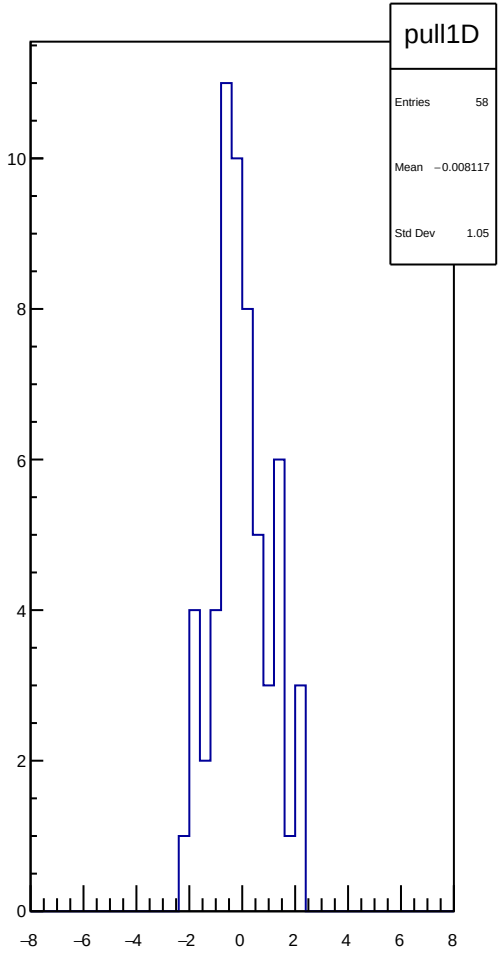

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 71.17 / 57
p0 −0.4108 ± 0.1788
pull
Entries 58
Mean −1694
Std Dev 1724

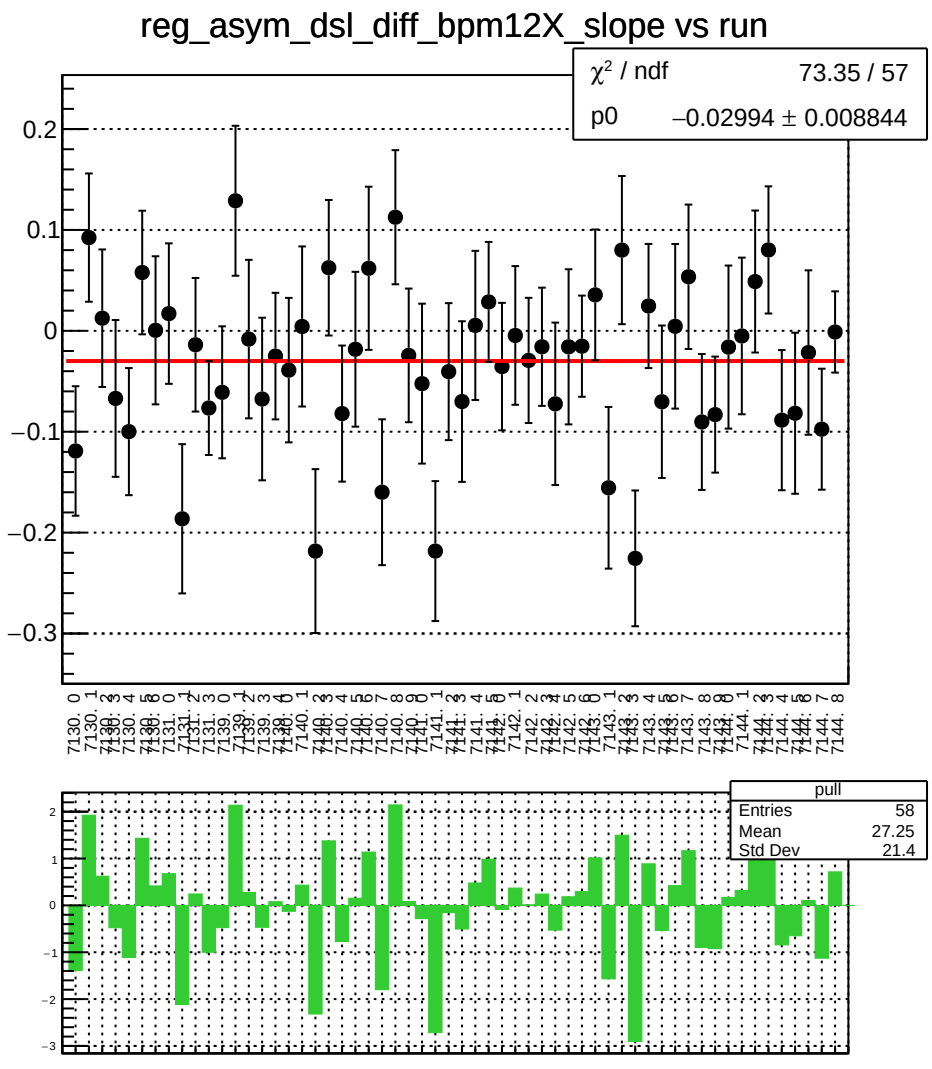

pull1D
Entries 58
Mean 0.001778
Std Dev 1.108

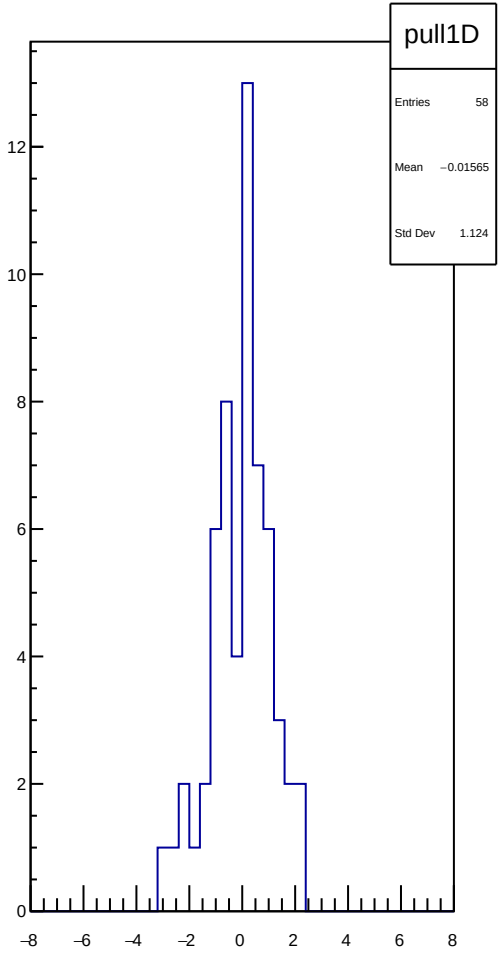

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 81.39 / 57
p0 0.07448 ± 0.201
pull
Entries 58
Mean 146
Std Dev 110.2

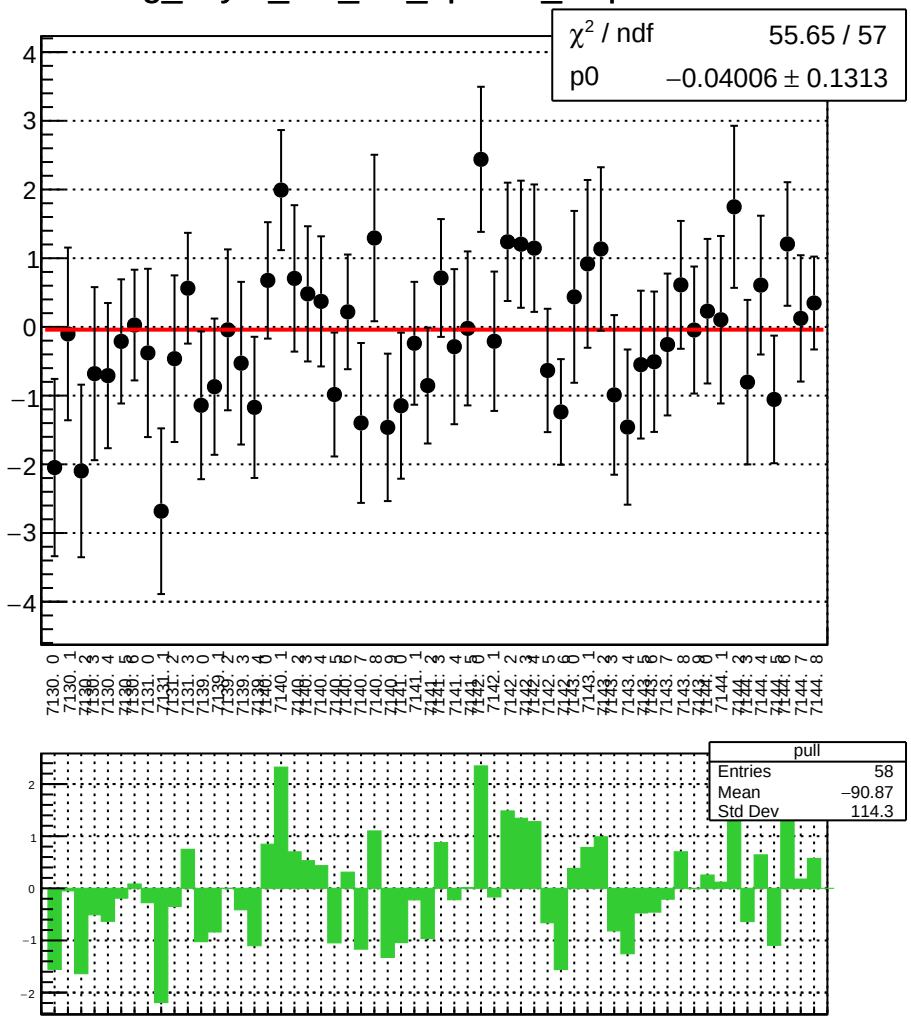

pull1D
Entries 58
Mean −0.01899
Std Dev 1.184

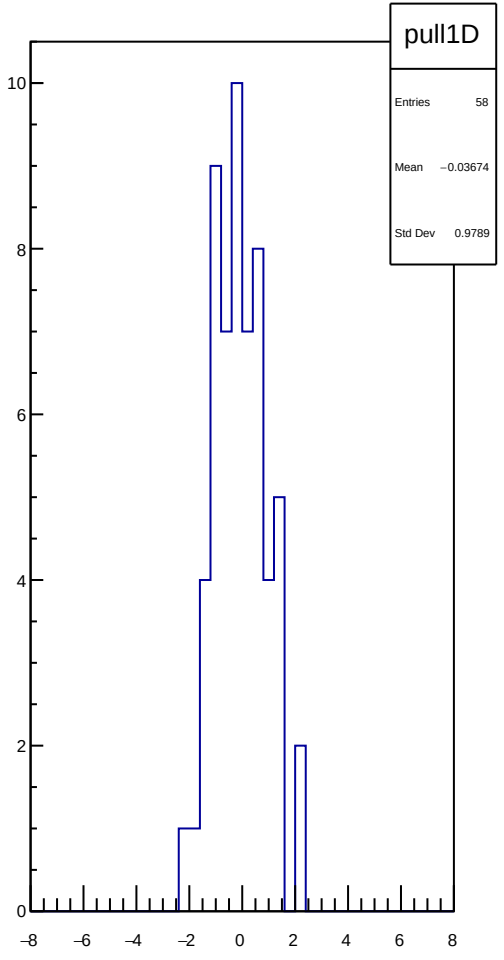

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 63.98 / 57
p0 0.496 ± 0.1912
pull
Entries 58
Mean −389.9
Std Dev 418.5

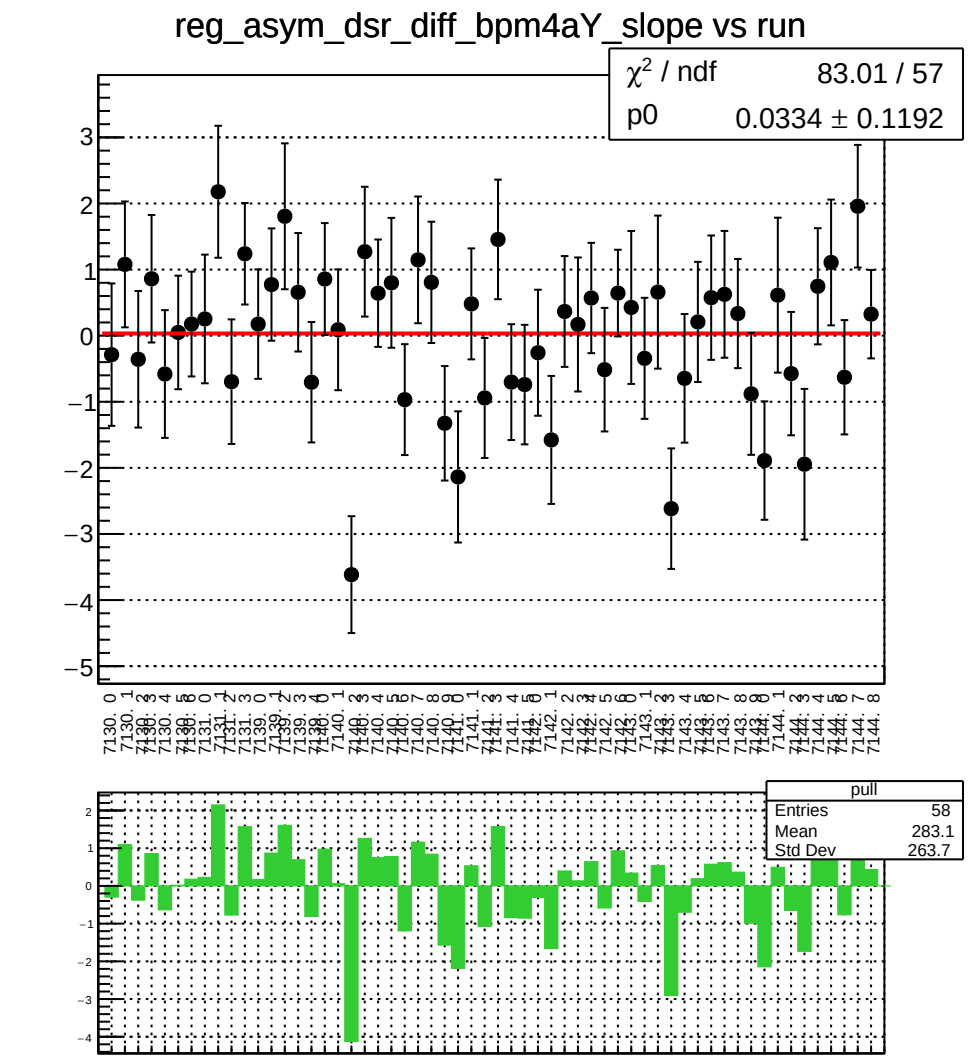

pull1D
Entries 58
Mean −0.008117
Std Dev 1.05

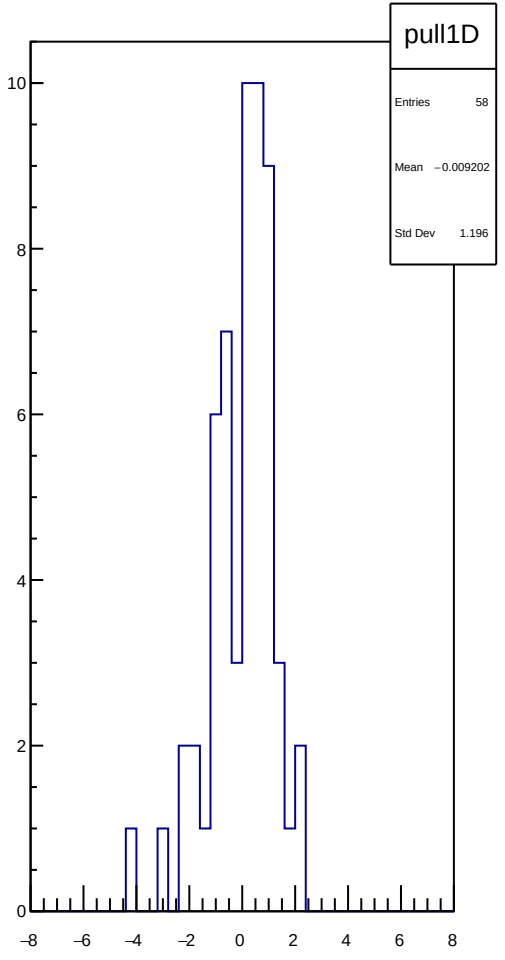

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 73.35 / 57
p0 −0.02994 ± 0.008844
pull
Entries 58
Mean 27.25
Std Dev 21.4

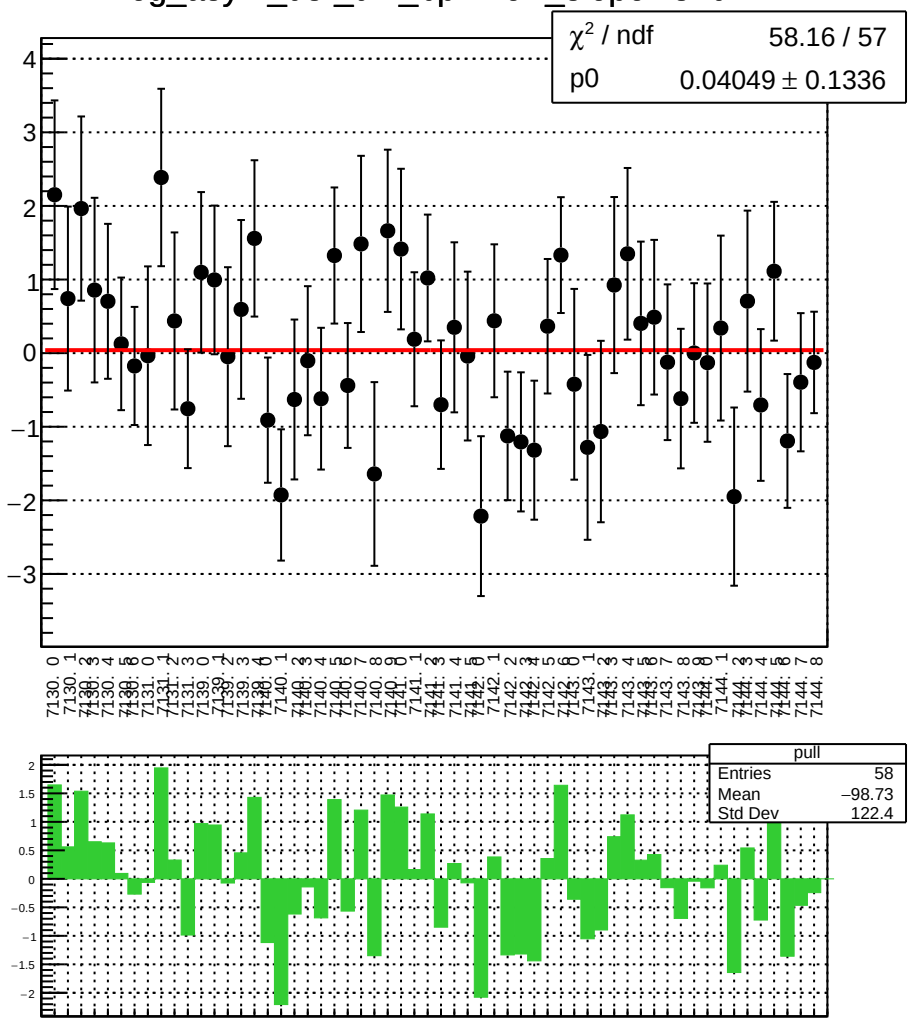

pull1D
Entries 58
Mean −0.01565
Std Dev 1.124

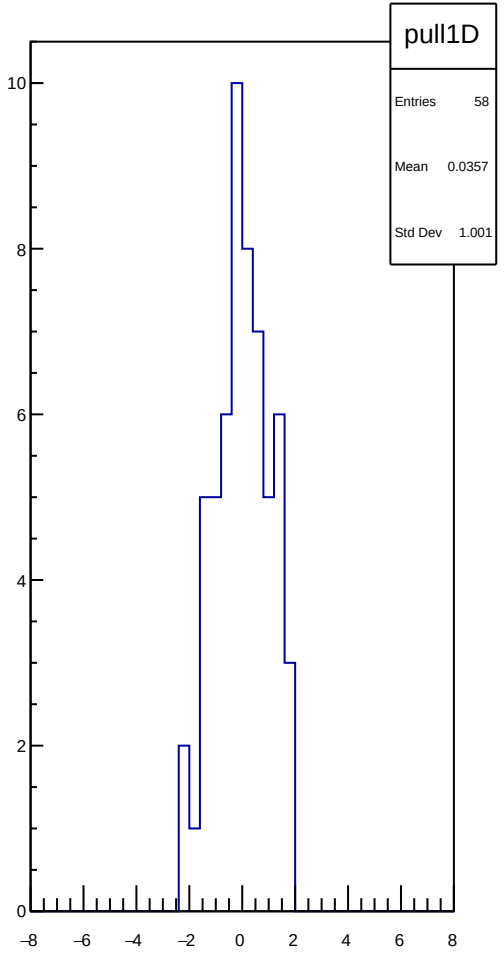

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 55.65 / 57
p0 −0.04006 ± 0.1313
pull
Entries 58
Mean −90.87
Std Dev 114.3

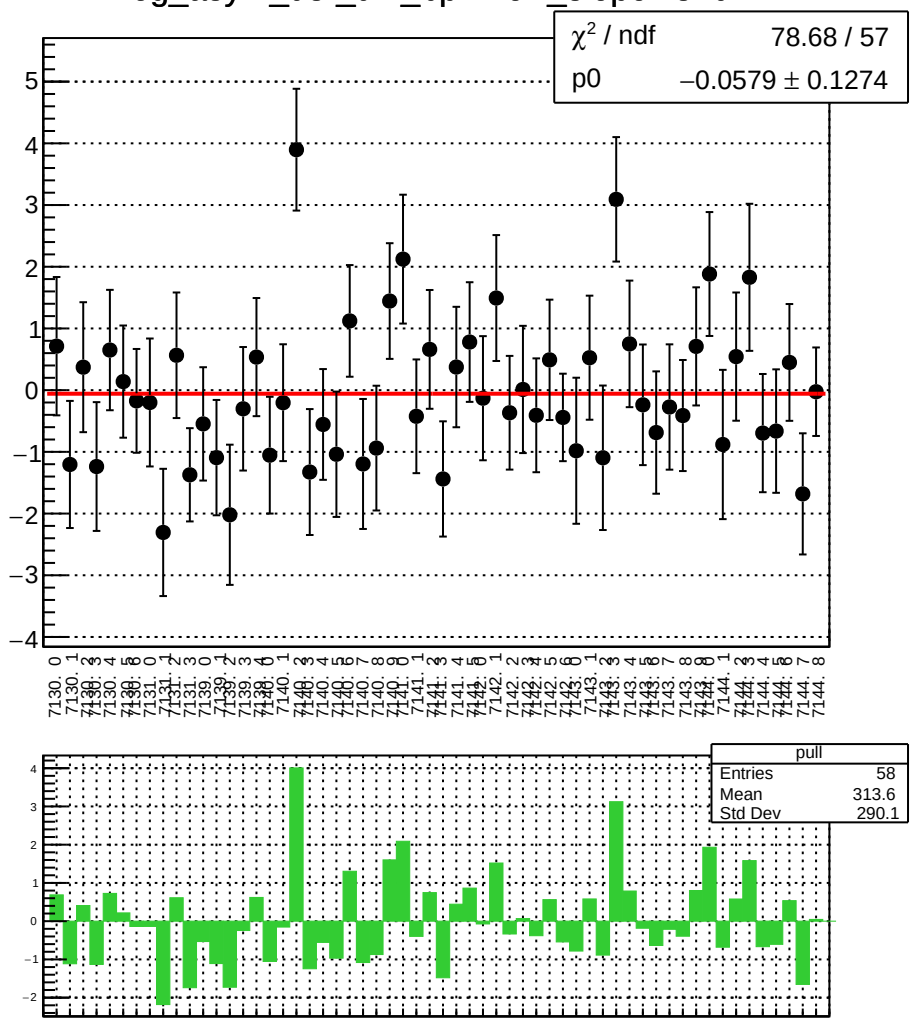

pull1D
Entries 58
Mean −0.03674
Std Dev 0.9789

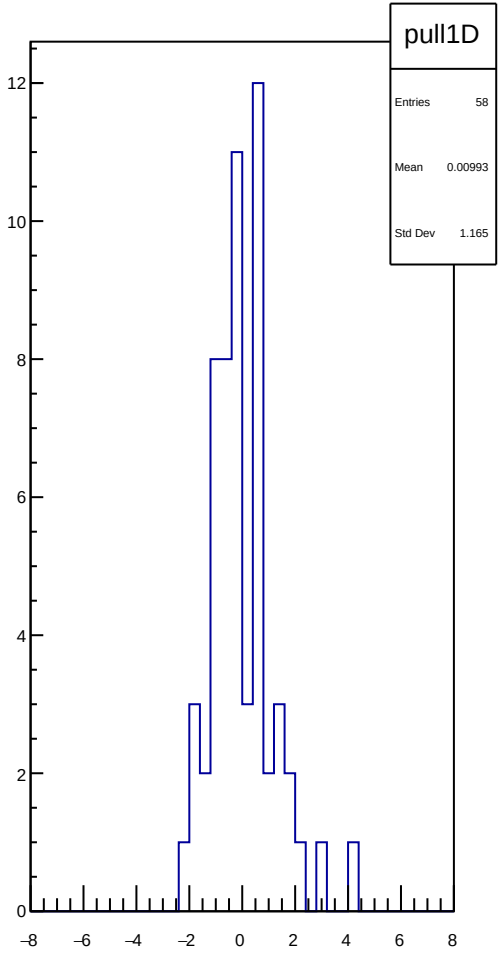

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 83.01 / 57
p0 0.0334 ± 0.1192
pull
Entries 58
Mean 283.1
Std Dev 263.7

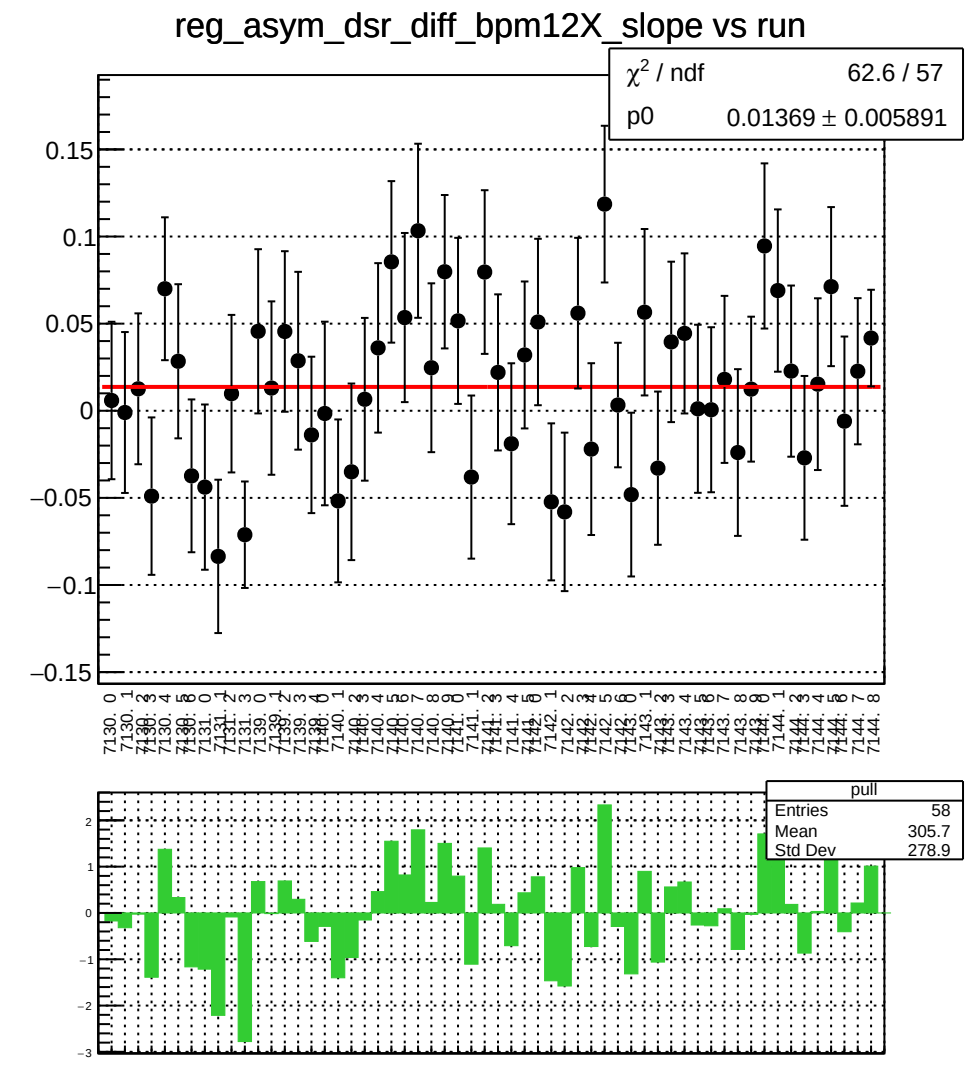

pull1D
Entries 58
Mean −0.009202
Std Dev 1.196

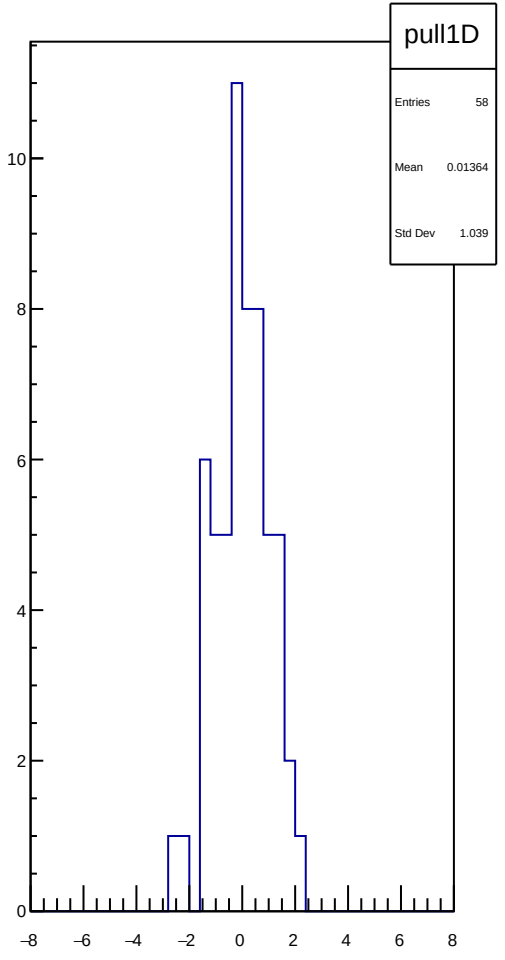

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 58.16 / 57
p0 0.04049 ± 0.1336
pull
Entries 58
Mean −98.73
Std Dev 122.4

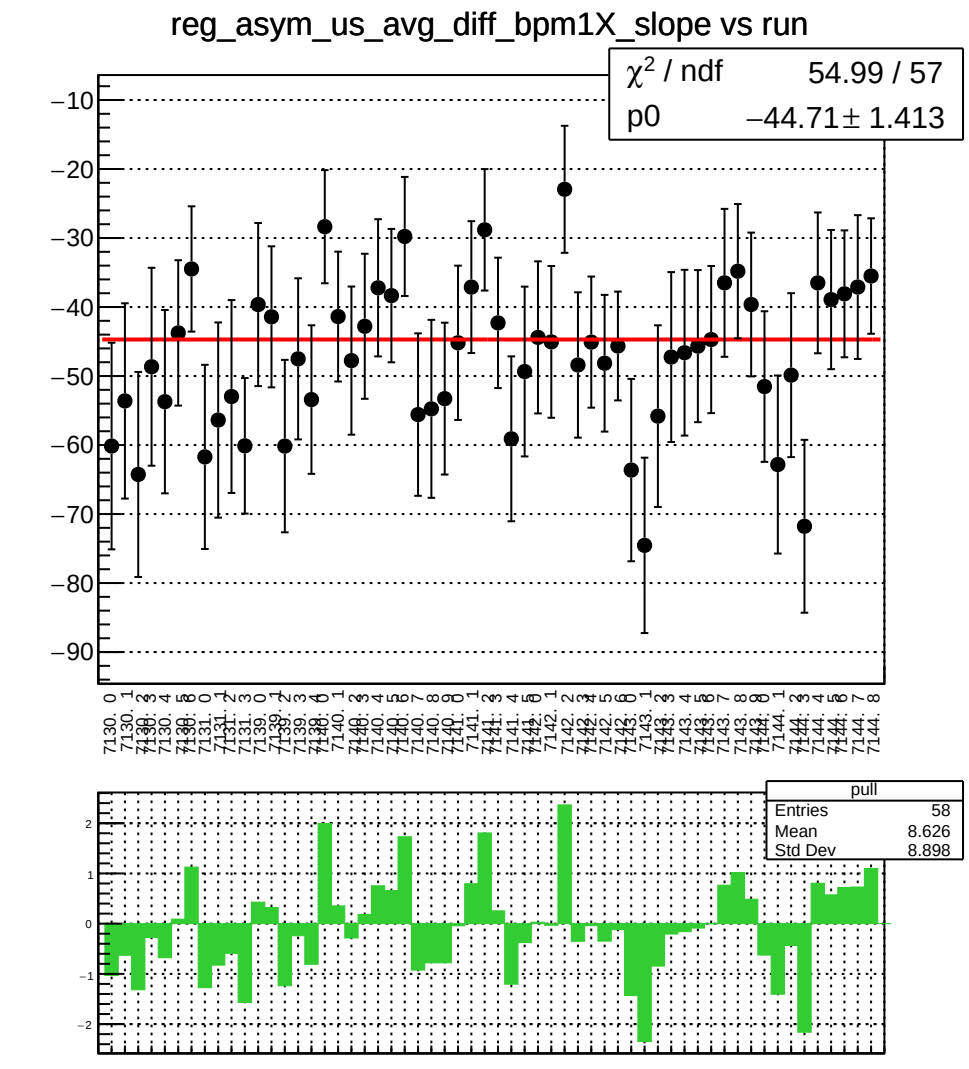

pull1D
Entries 58
Mean 0.0357
Std Dev 1.001

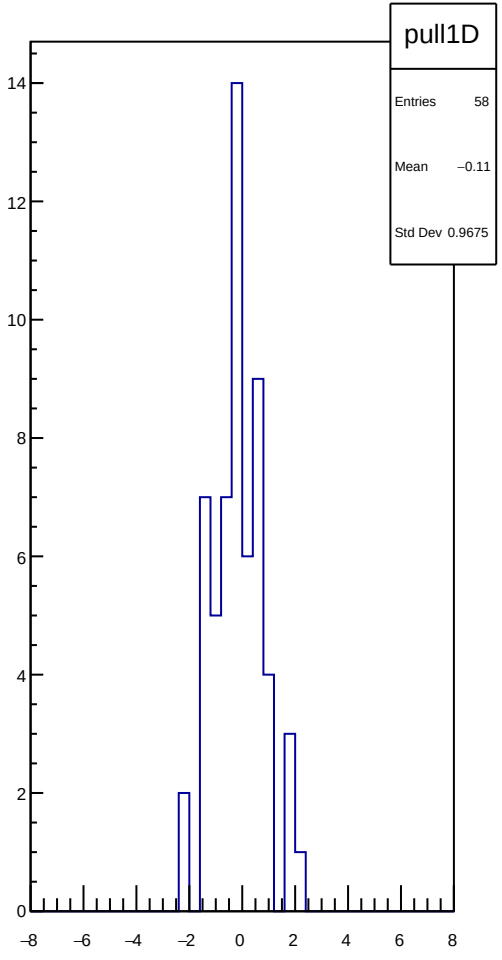

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 78.68 / 57
p0 −0.0579 ± 0.1274
pull
Entries 58
Mean 313.6
Std Dev 290.1

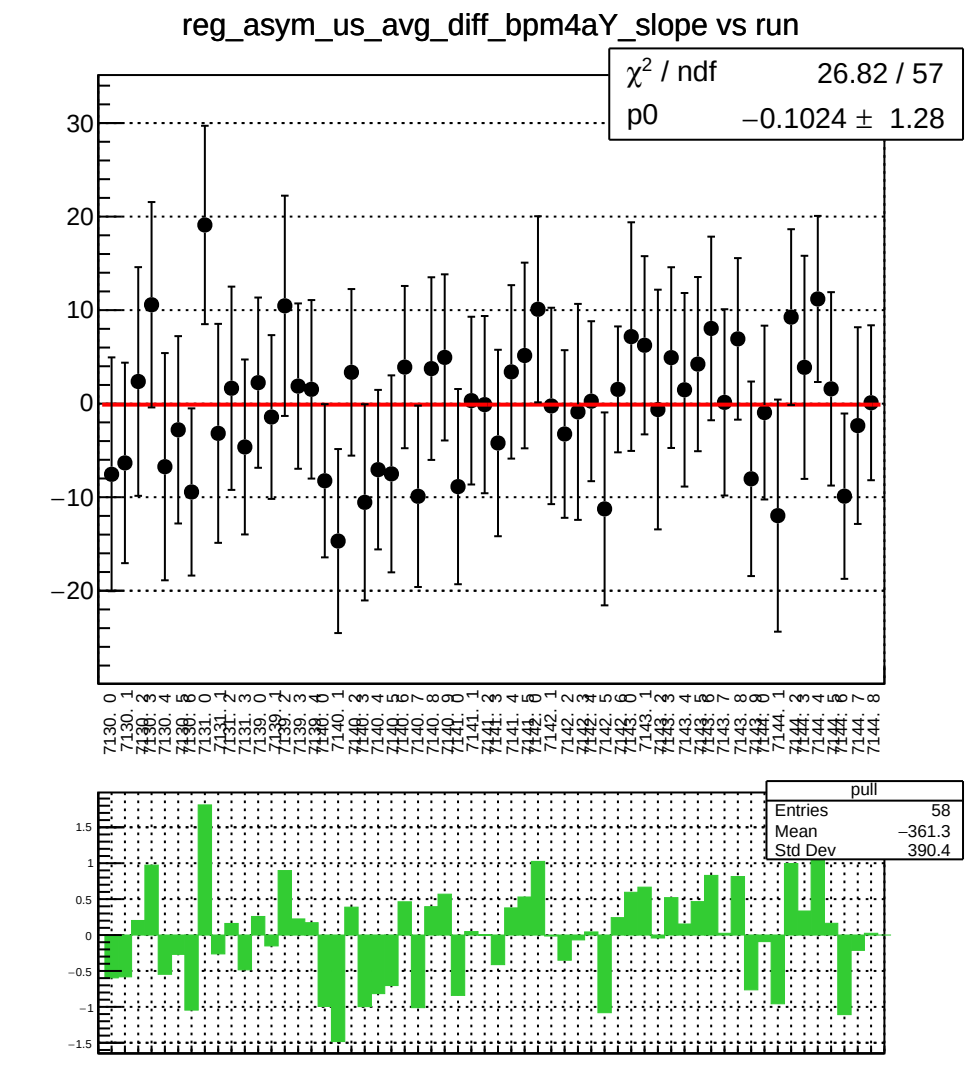

pull1D
Entries 58
Mean 0.00993
Std Dev 1.165

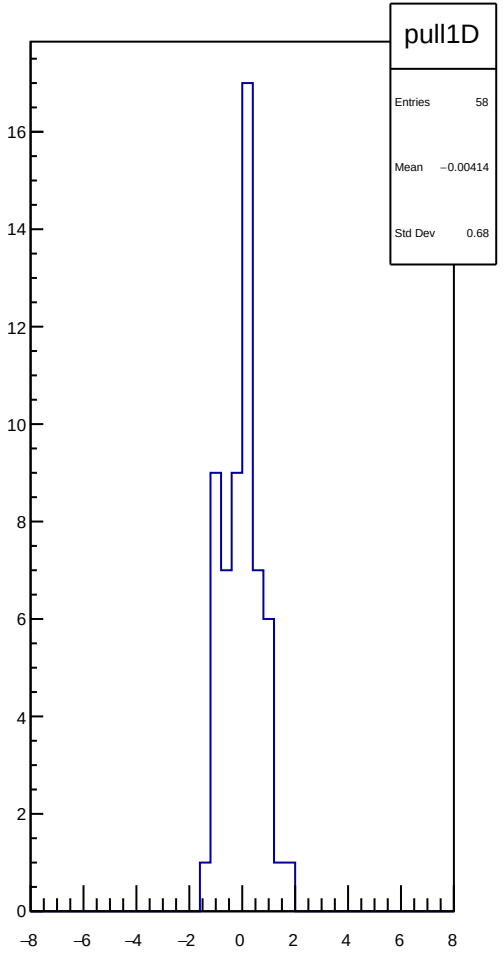

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 62.6 / 57
p0 0.01369 ± 0.005891
pull
Entries 58
Mean 305.7
Std Dev 278.9

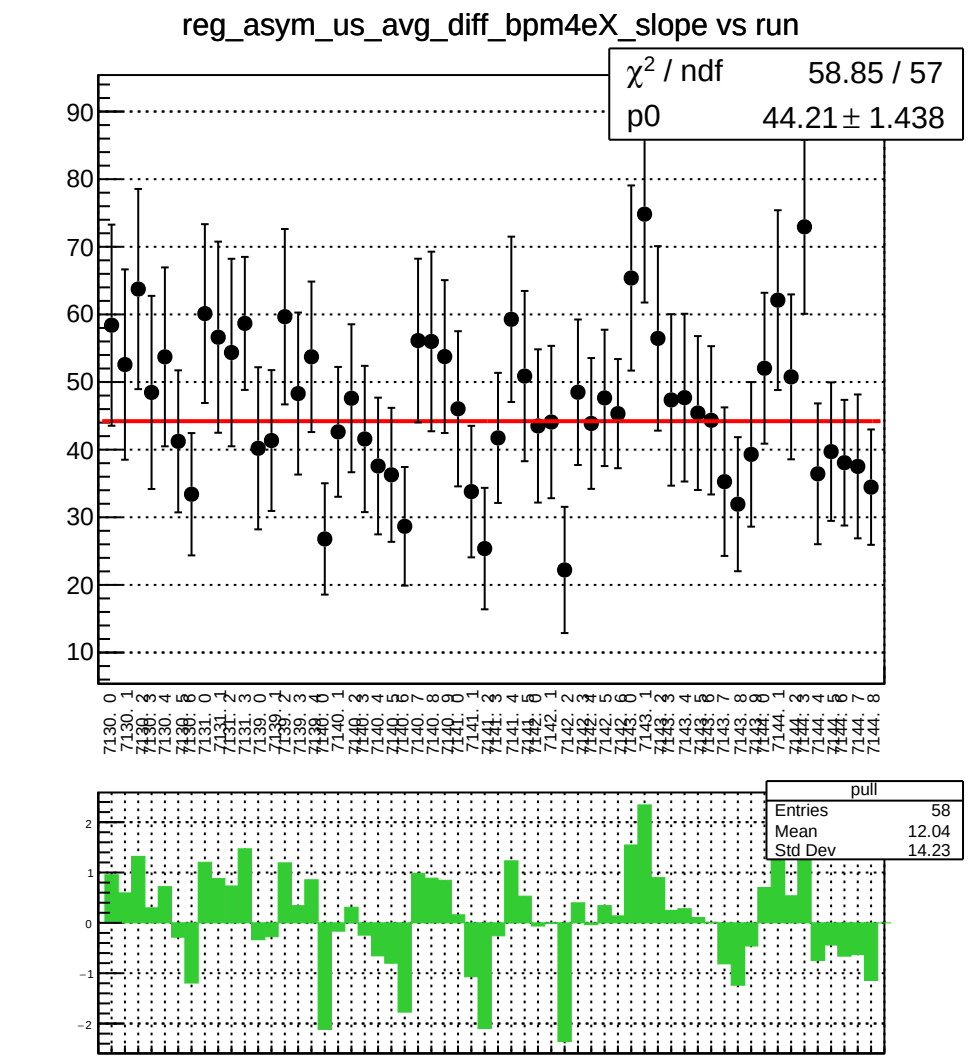

pull1D
Entries 58
Mean 0.01364
Std Dev 1.039

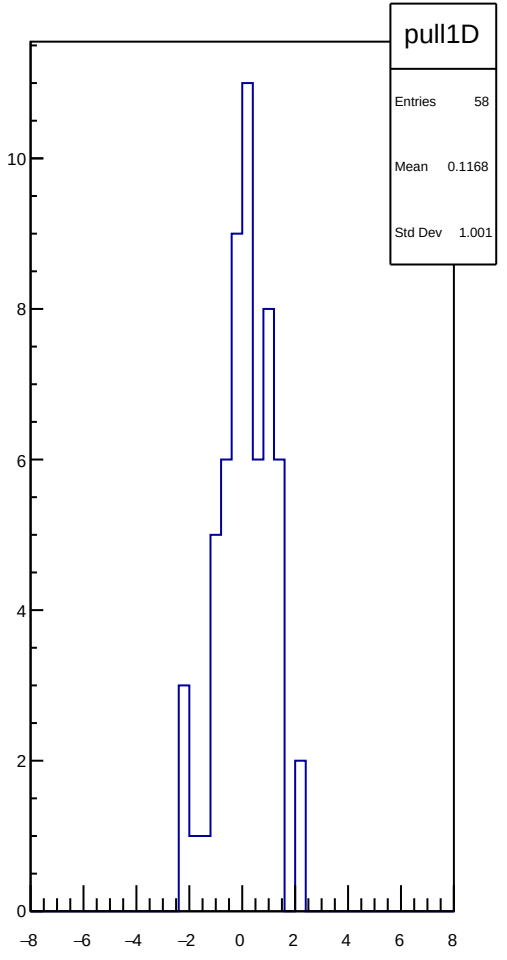

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 54.99 / 57
p0 −44.71 ± 1.413
pull
Entries 58
Mean 8.626
Std Dev 8.898

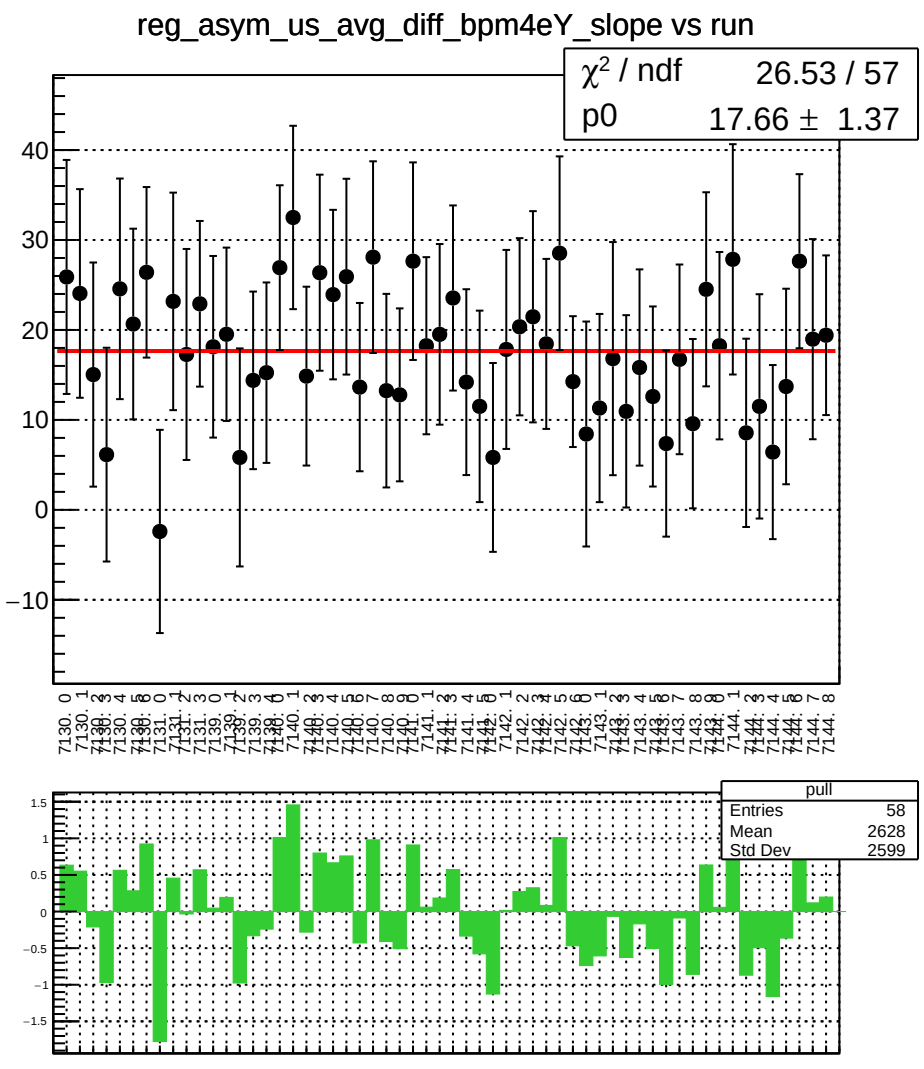

pull1D
Entries 58
Mean −0.11
Std Dev 0.9675

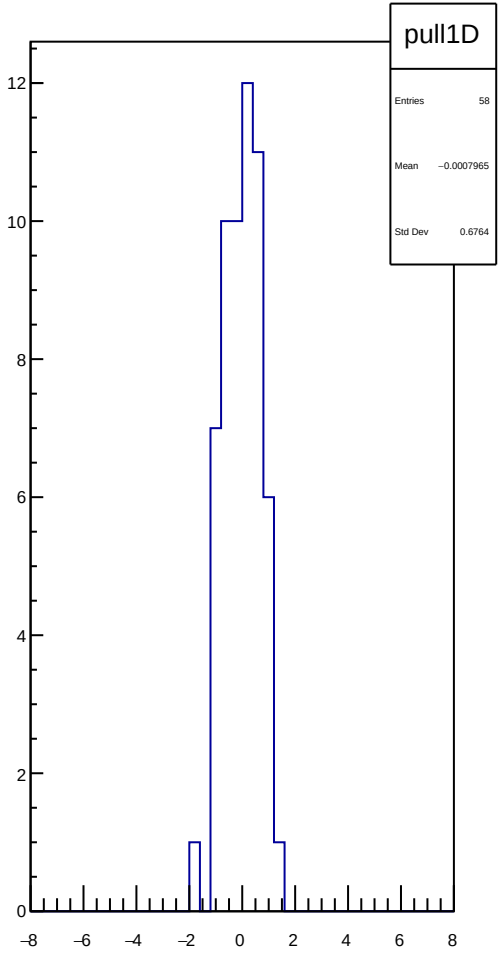

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.82 / 57
p0 −0.1024 ± 1.28
pull
Entries 58
Mean −361.3
Std Dev 390.4

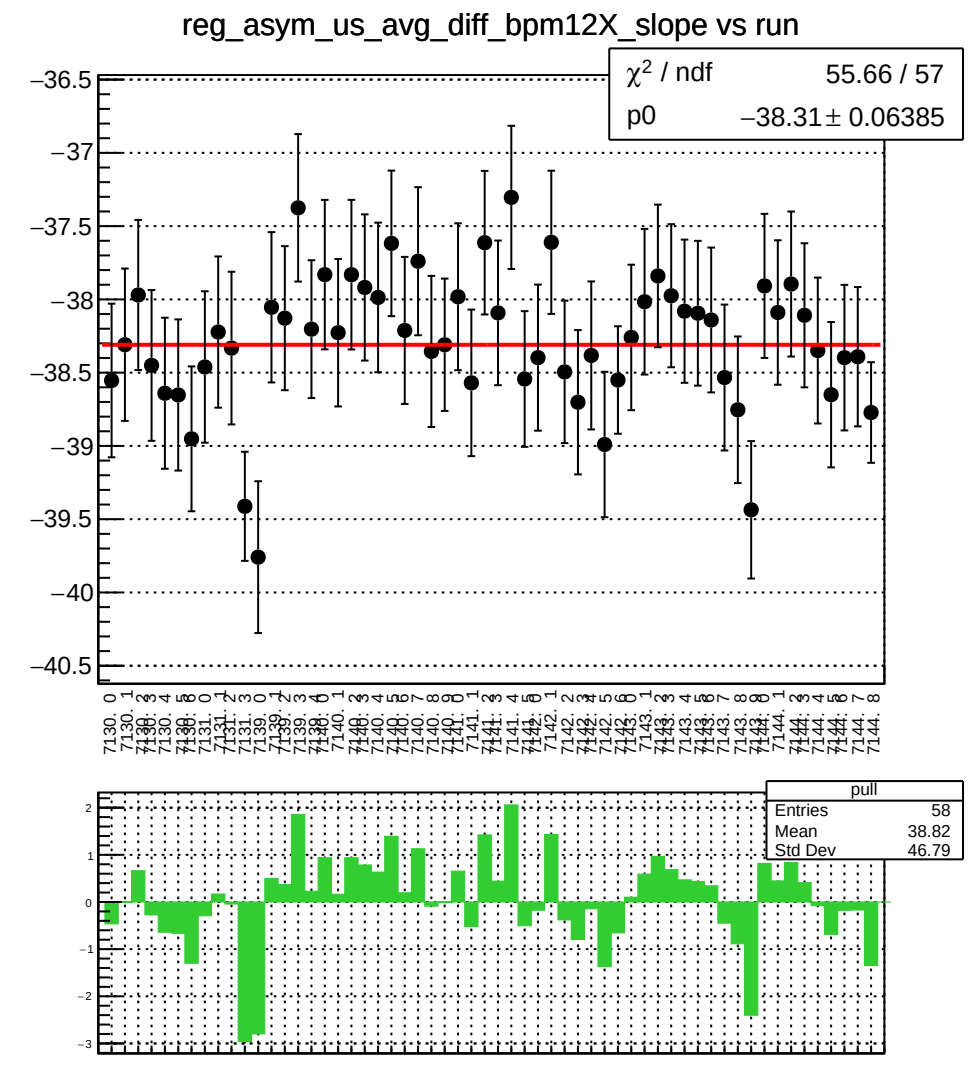

pull1D
Entries 58
Mean −0.00414
Std Dev 0.68

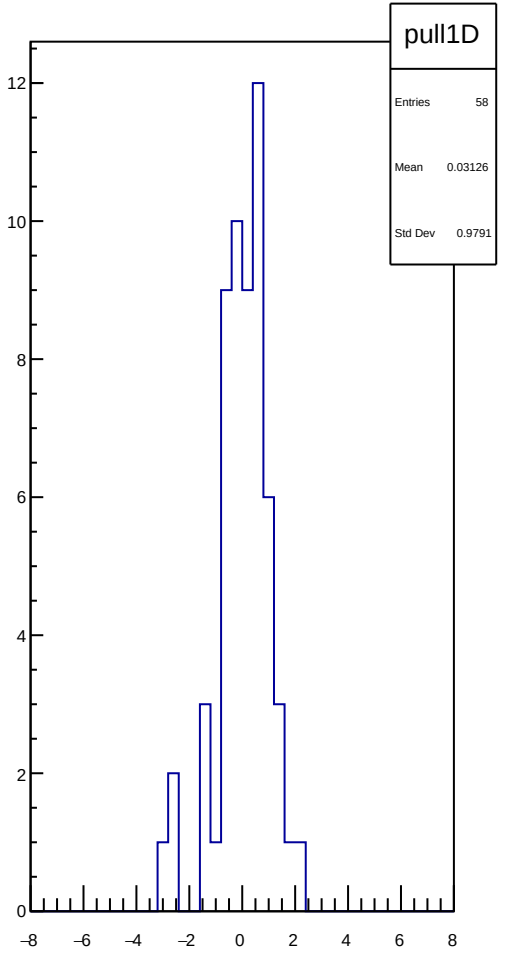

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.85 / 57
p0 44.21 ± 1.438
pull
Entries 58
Mean 12.04
Std Dev 14.23

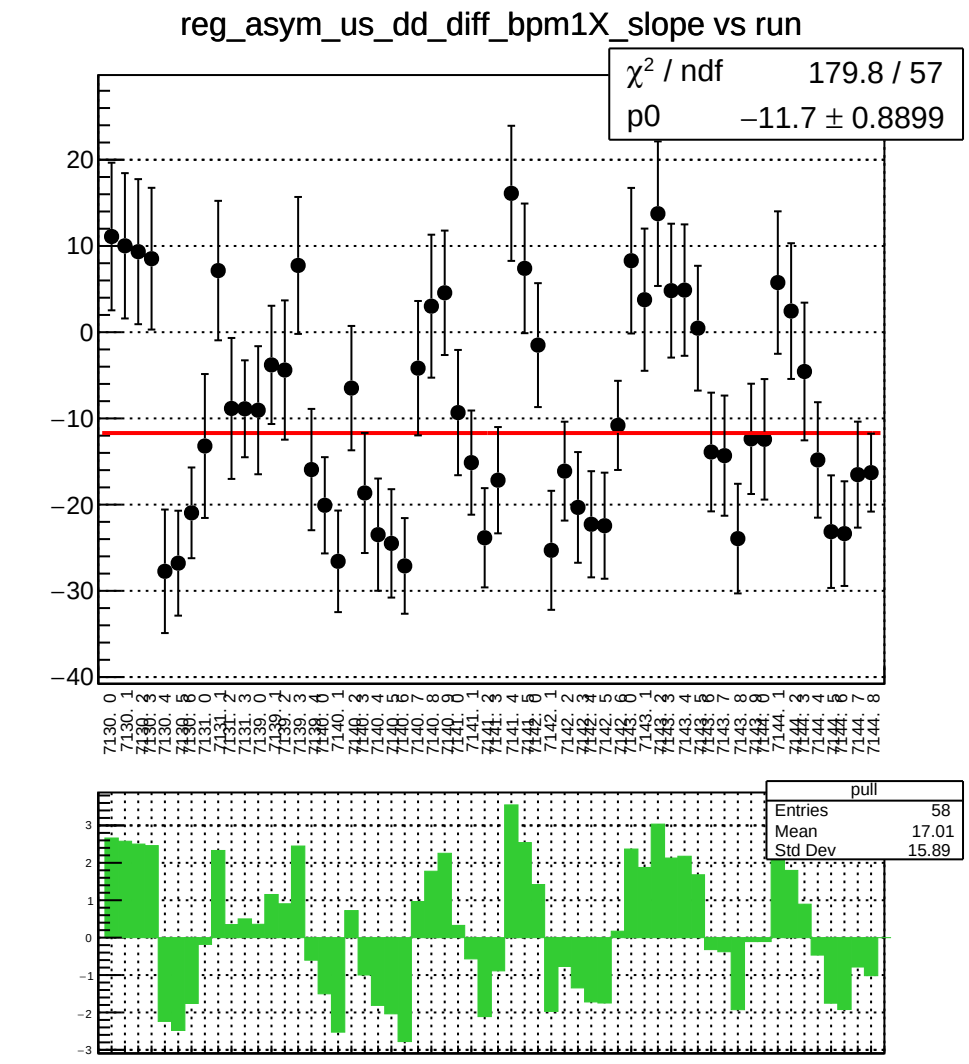

pull1D
Entries 58
Mean 0.1168
Std Dev 1.001

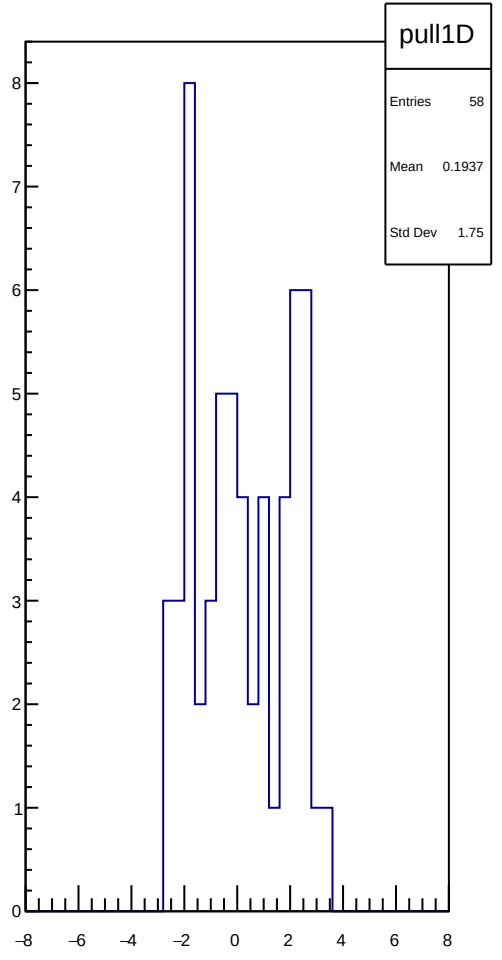

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.53 / 57
p0 17.66 ± 1.37
pull
Entries 58
Mean 2628
Std Dev 2599

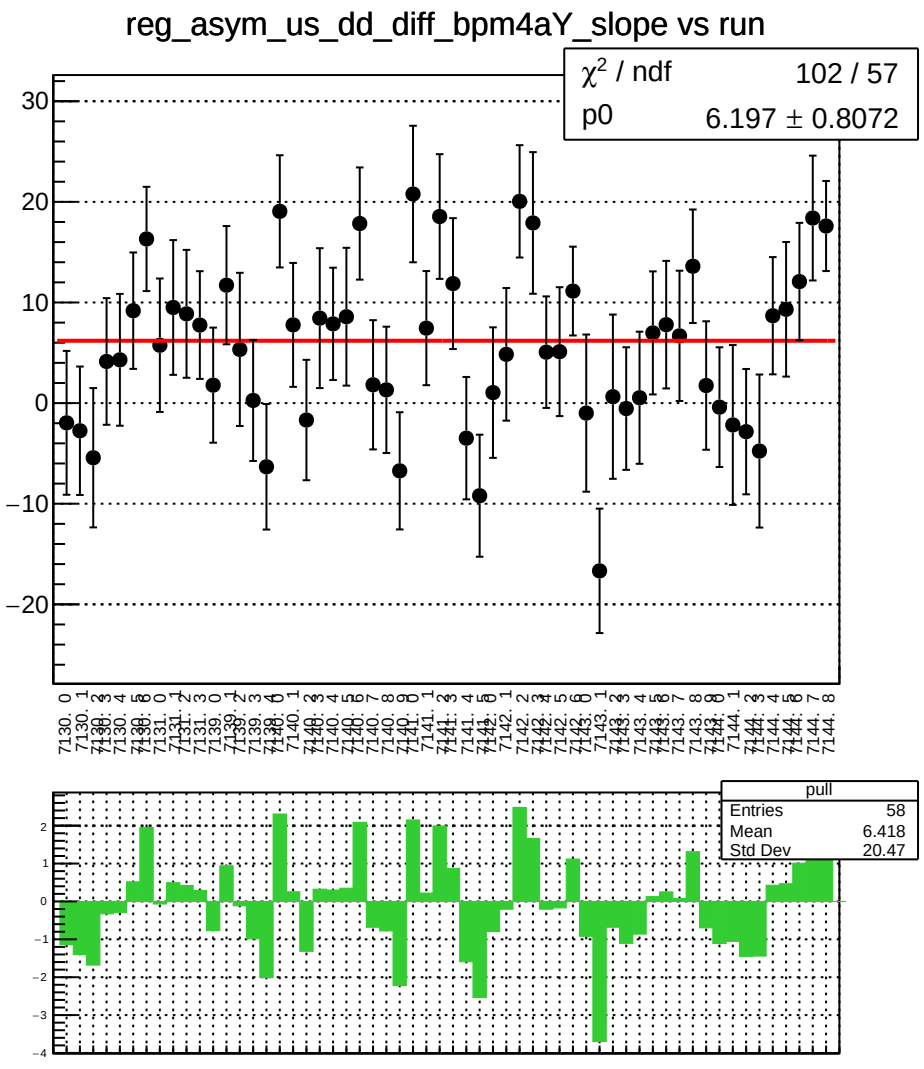

pull1D
Entries 58
Mean −0.0007965
Std Dev 0.6764

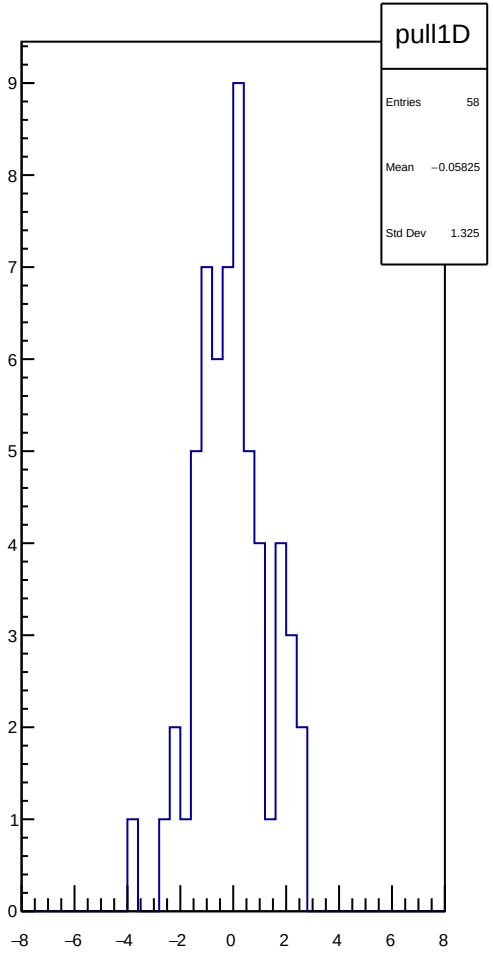

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 55.66 / 57
p0 −38.31 ± 0.06385
pull
Entries 58
Mean 38.82
Std Dev 46.79

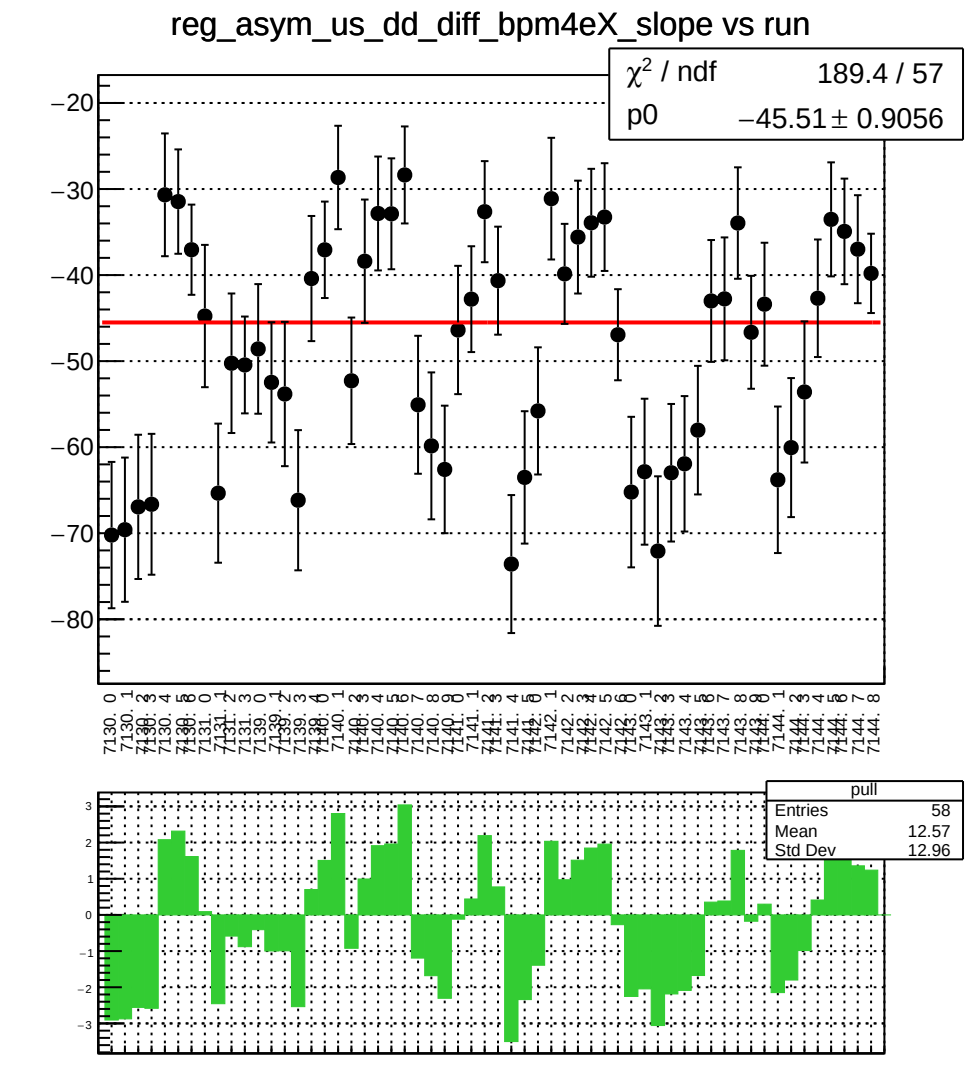

pull1D
Entries 58
Mean 0.03126
Std Dev 0.9791

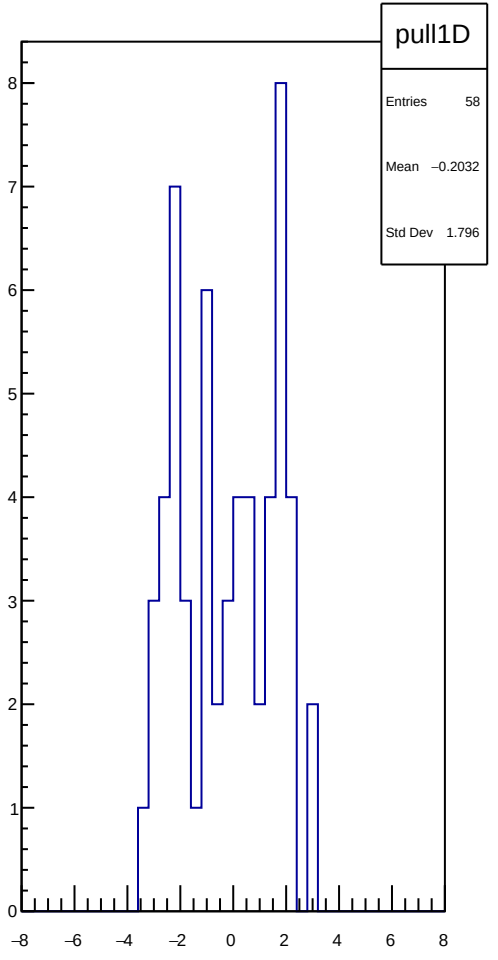

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 179.8 / 57
p0 −11.7 ± 0.8899
pull
Entries 58
Mean 17.01
Std Dev 15.89

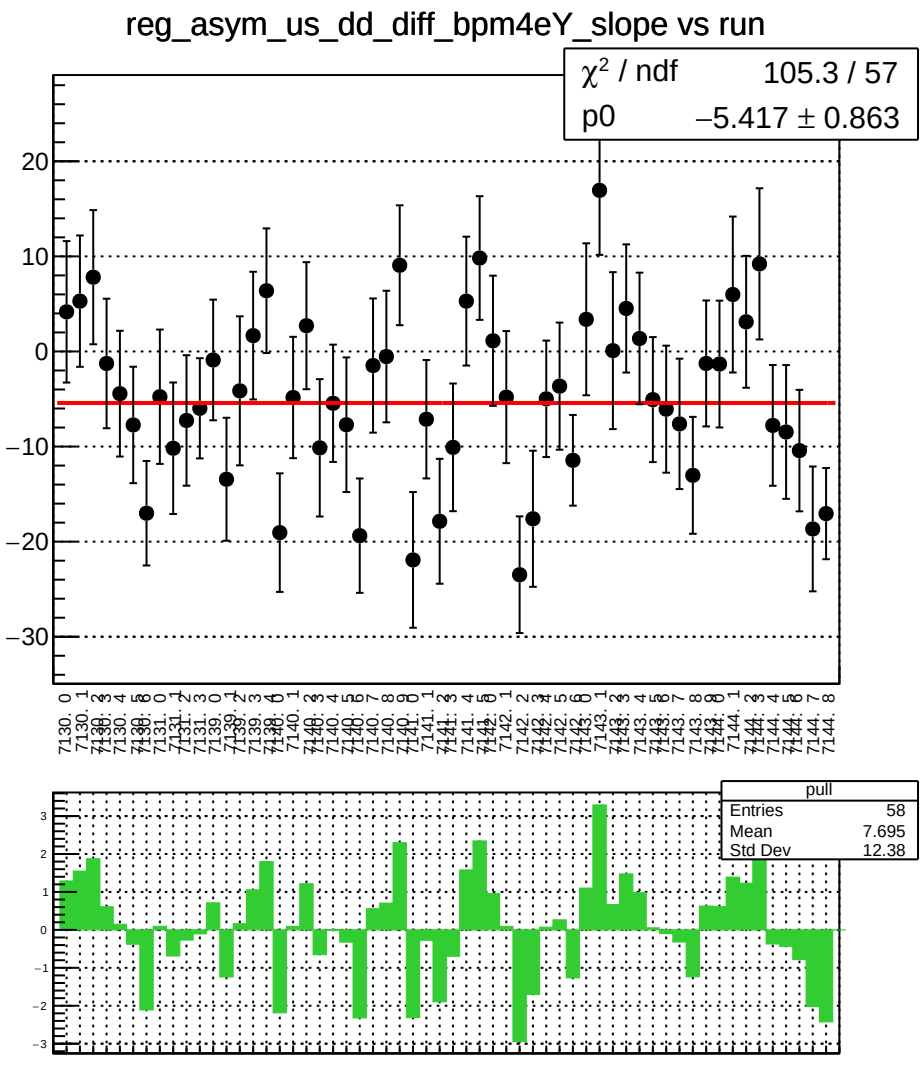

pull1D
Entries 58
Mean 0.1937
Std Dev 1.75

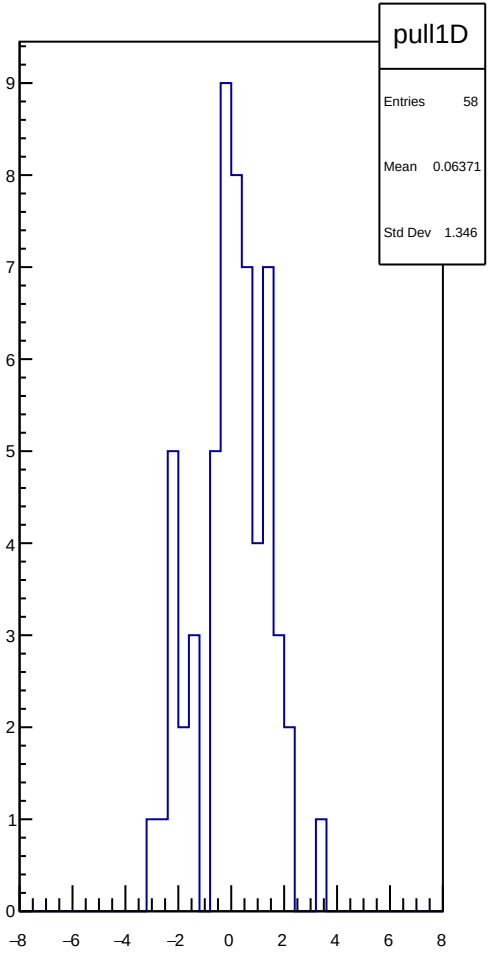

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 102 / 57
p0 6.197 ± 0.8072
pull
Entries 58
Mean 6.418
Std Dev 20.47

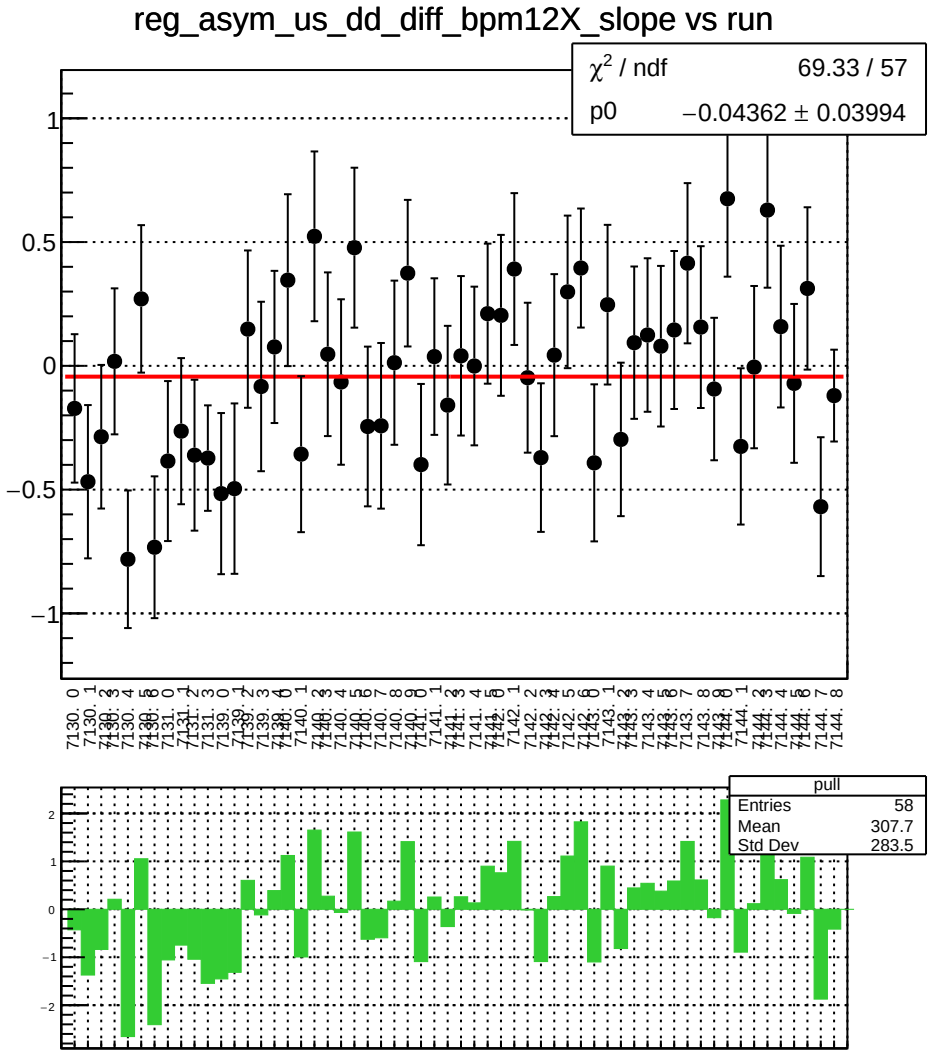

pull1D
Entries 58
Mean −0.05825
Std Dev 1.325

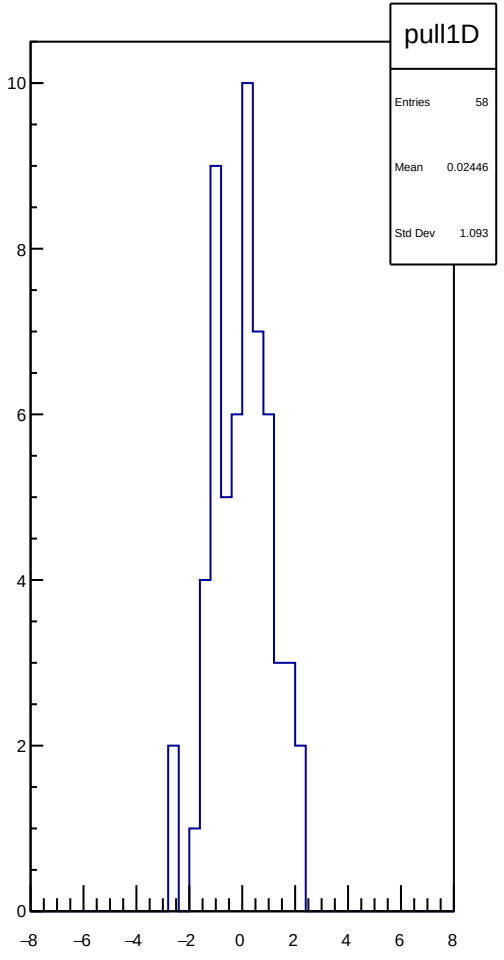

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 189.4 / 57
p0 −45.51 ± 0.9056
pull
Entries 58
Mean 12.57
Std Dev 12.96

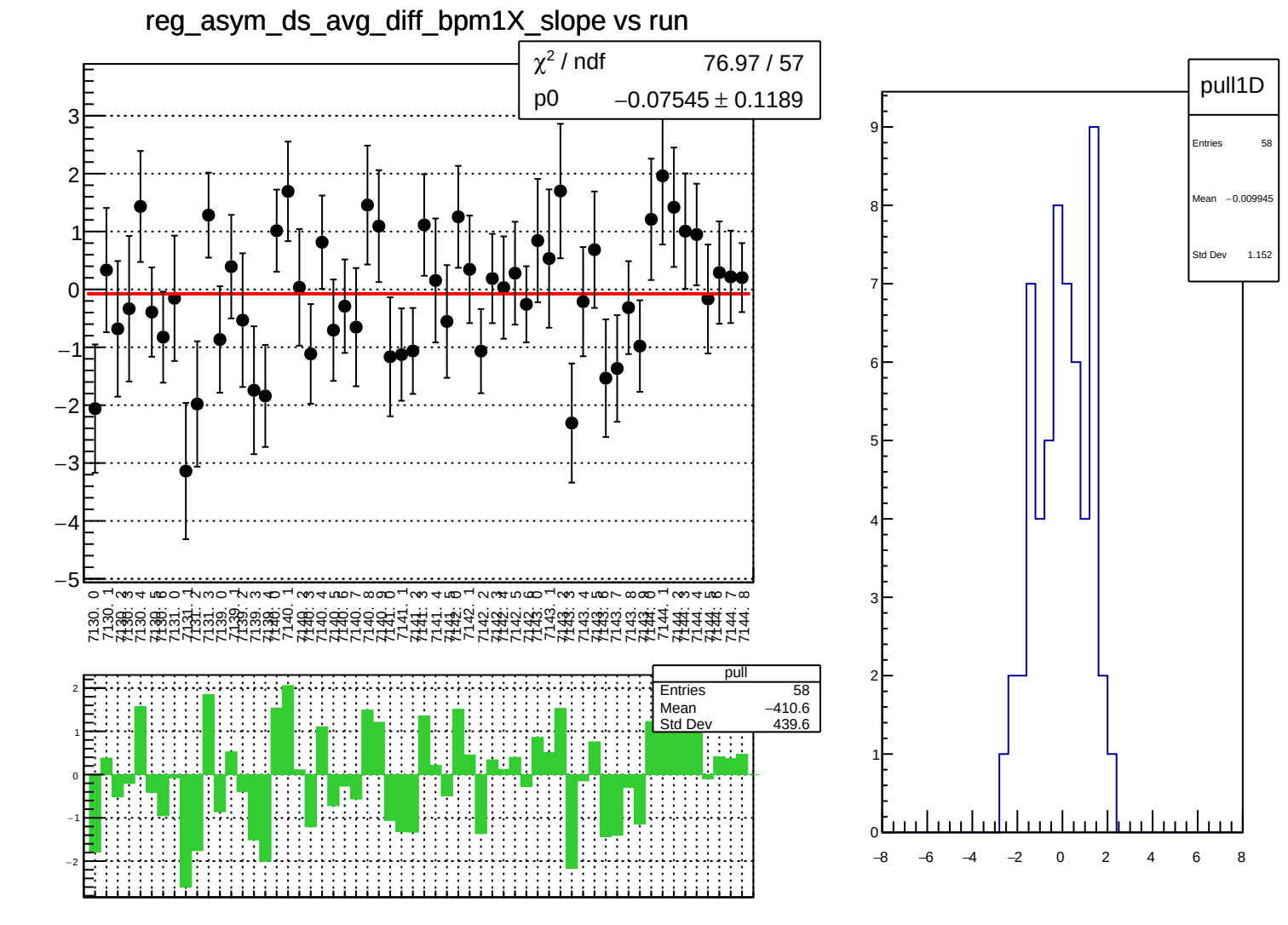

pull1D
Entries 58
Mean −0.2032
Std Dev 1.796

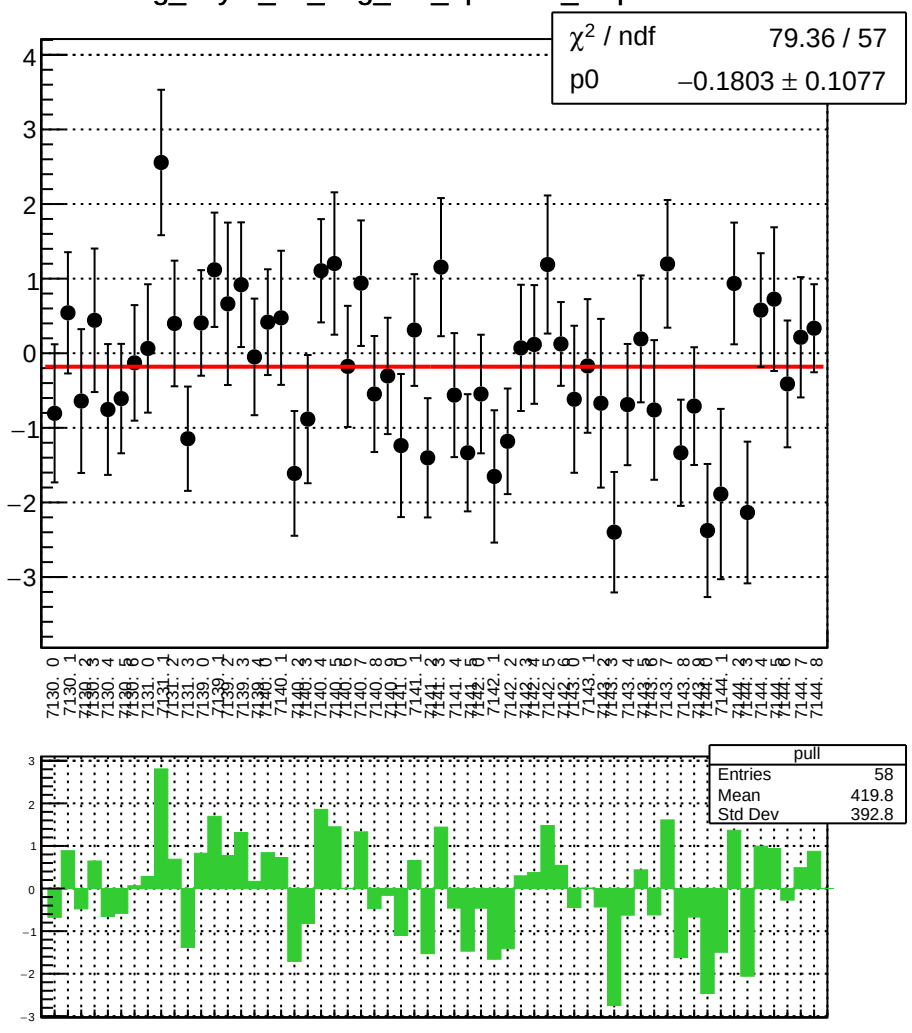

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 105.3 / 57
p0 −5.417 ± 0.863
pull
Entries 58
Mean 7.695
Std Dev 12.38

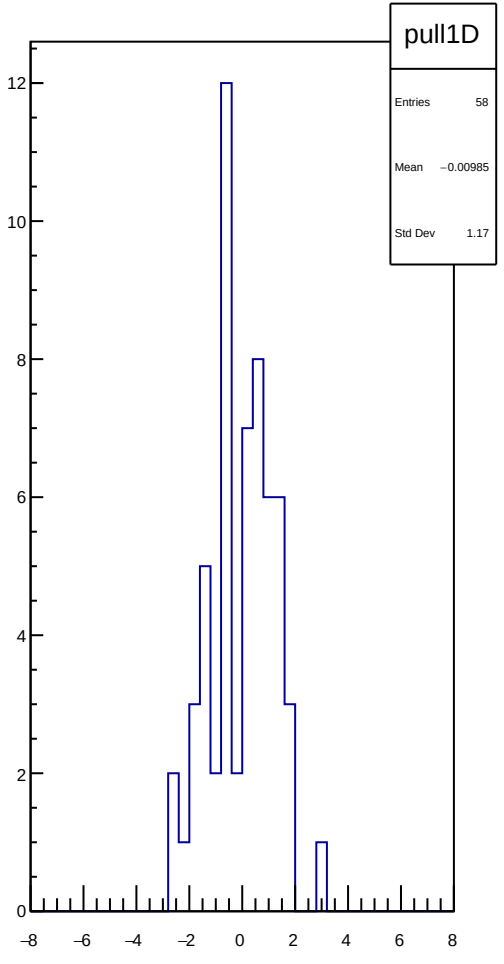

pull1D
Entries 58
Mean 0.06371
Std Dev 1.346

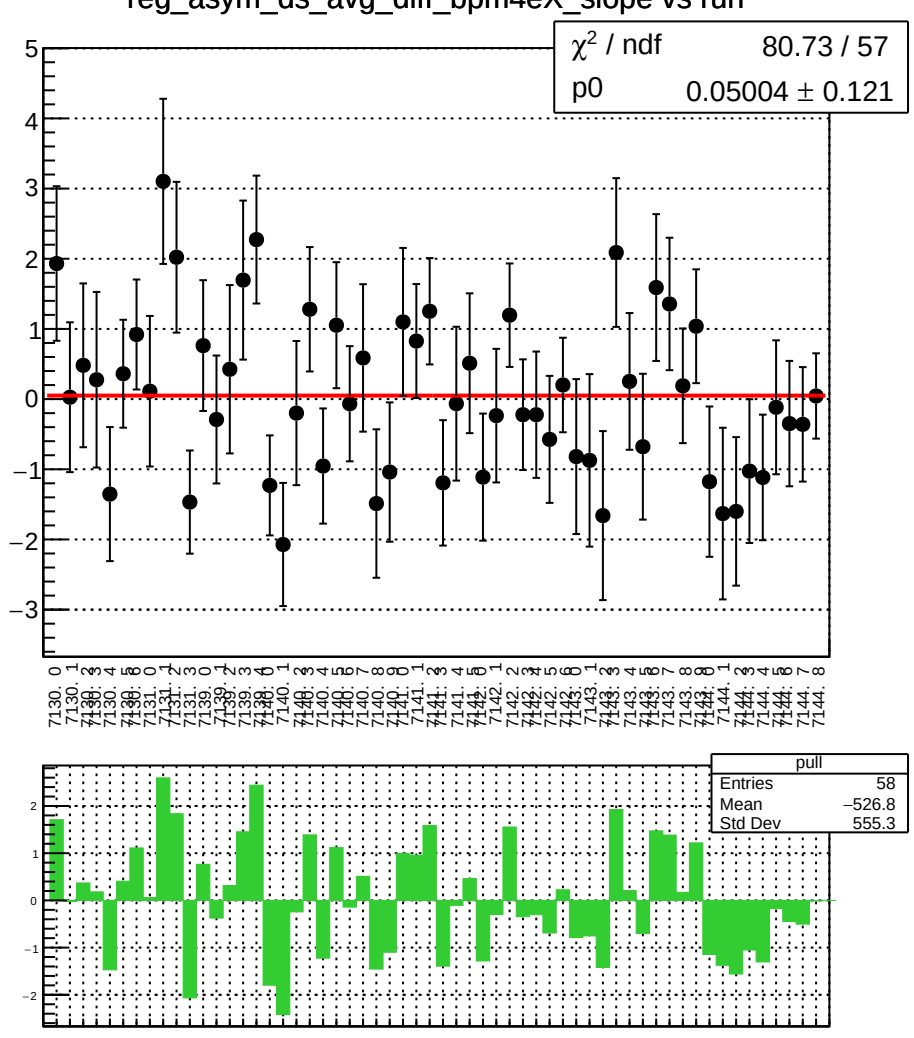

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 69.33 / 57
p0 −0.04362 ± 0.03994
pull
Entries 58
Mean 307.7
Std Dev 283.5

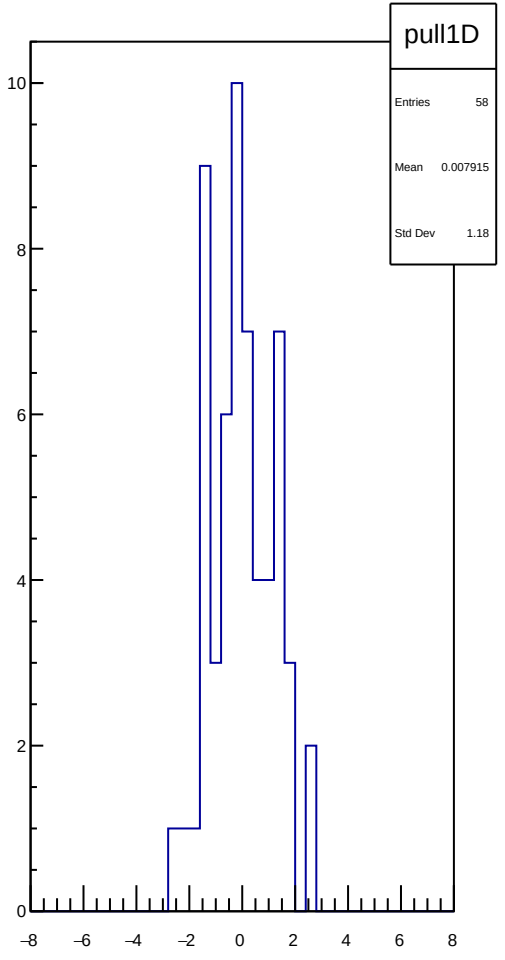

pull1D
Entries 58
Mean 0.02446
Std Dev 1.093

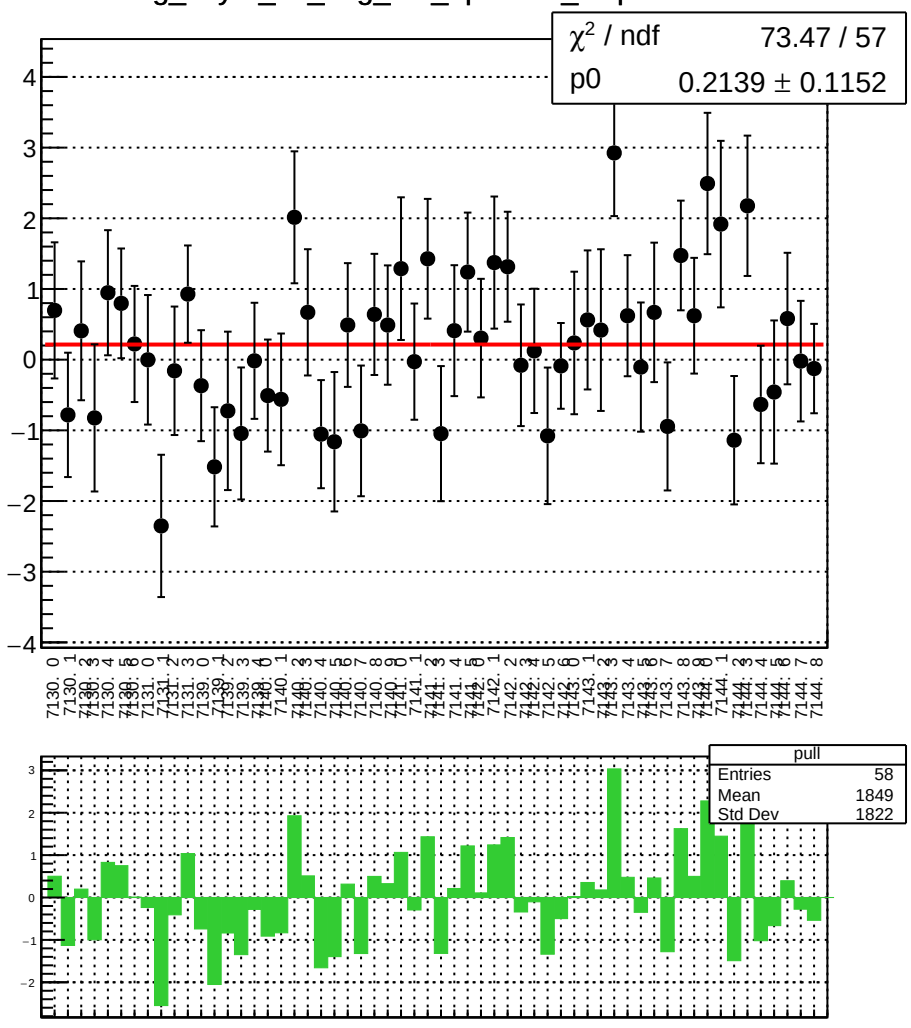

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 76.97 / 57
p0 −0.07545 ± 0.1189
pull
Entries 58
Mean −410.6
Std Dev 439.6
pull1D
Entries 58
Mean −0.009945
Std Dev 1.152

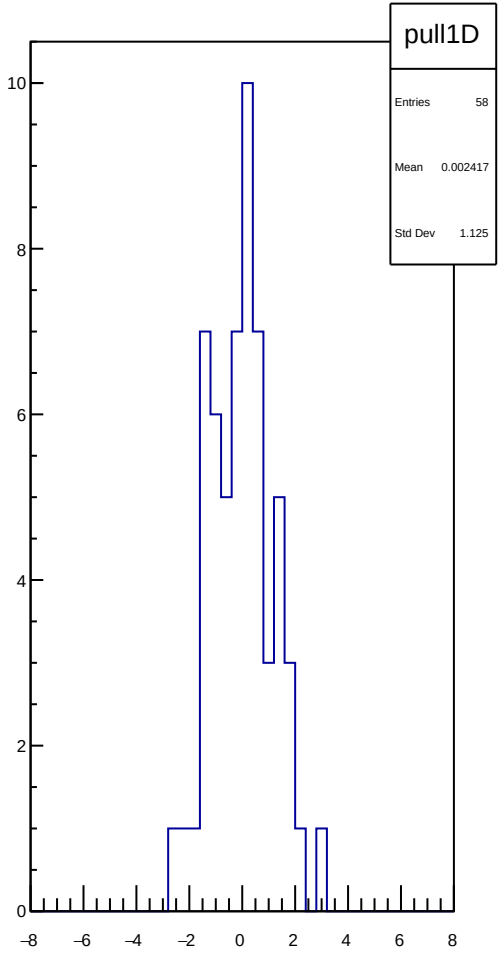

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.36 / 57
p0 −0.1803 ± 0.1077
pull
Entries 58
Mean 419.8
Std Dev 392.8

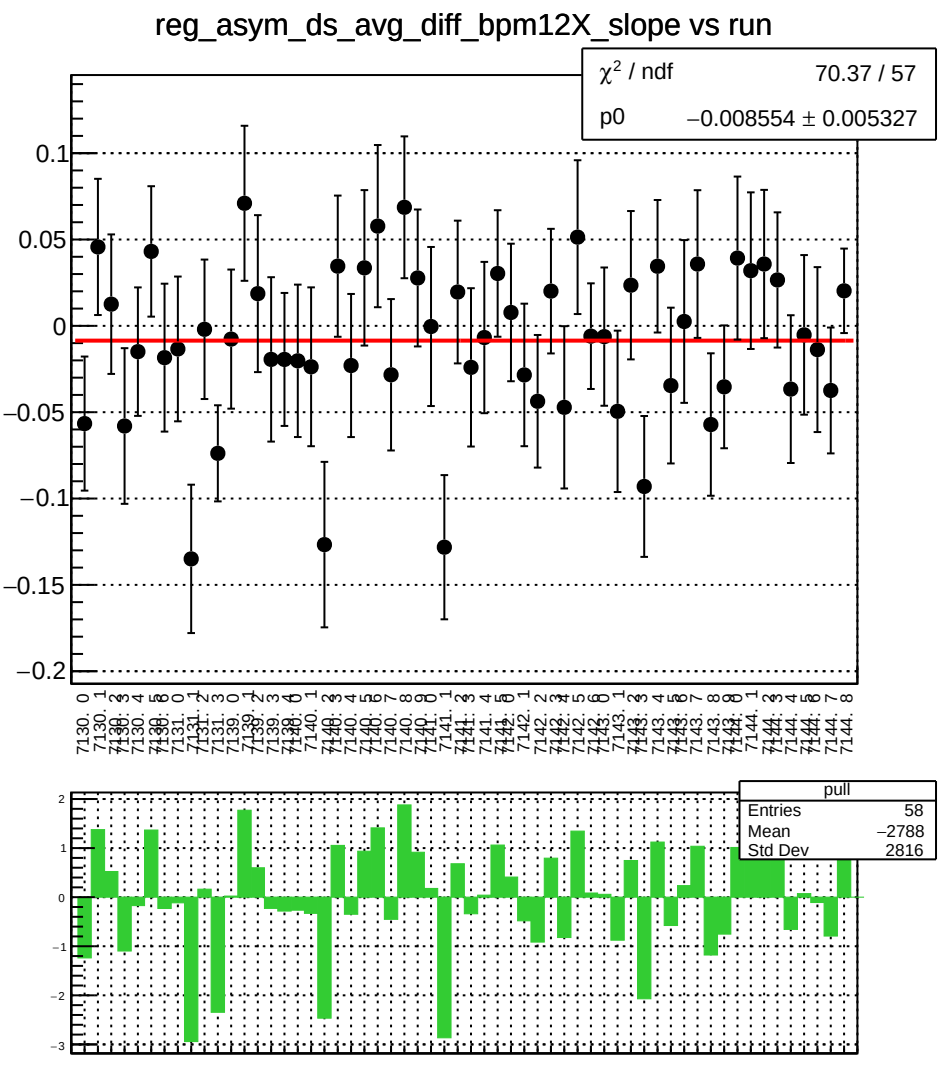

pull1D
Entries 58
Mean −0.00985
Std Dev 1.17

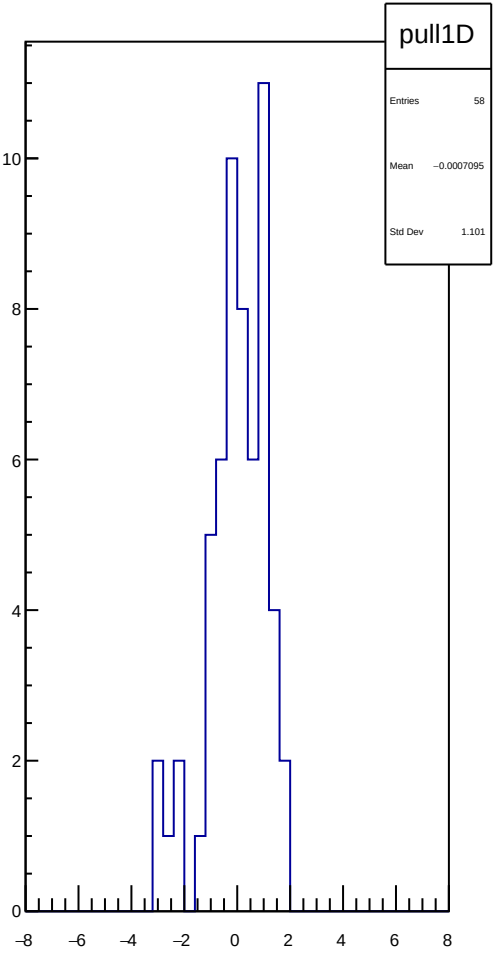

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.73 / 57
p0 0.05004 ± 0.121
pull
Entries 58
Mean −526.8
Std Dev 555.3

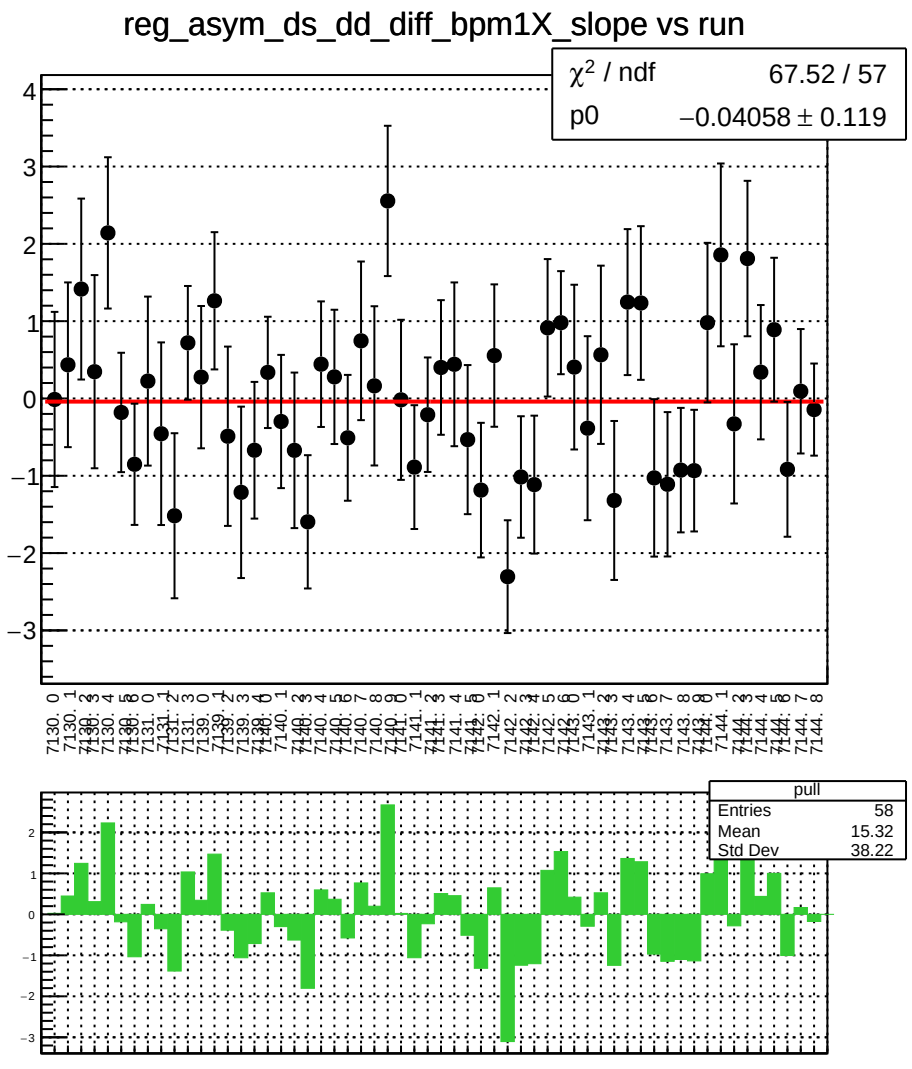

pull1D
Entries 58
Mean 0.007915
Std Dev 1.18

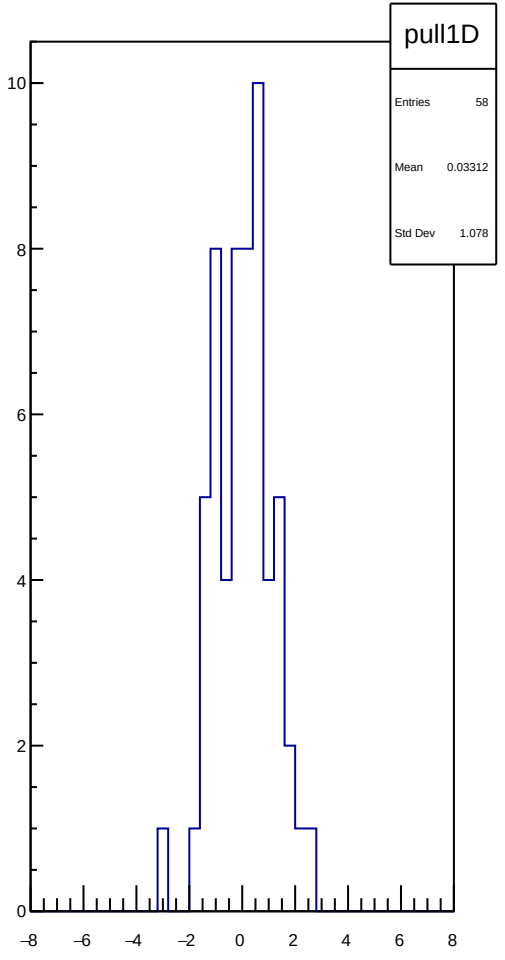

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.47 / 57
p0 0.2139 ± 0.1152
pull
Entries 58
Mean 1849
Std Dev 1822

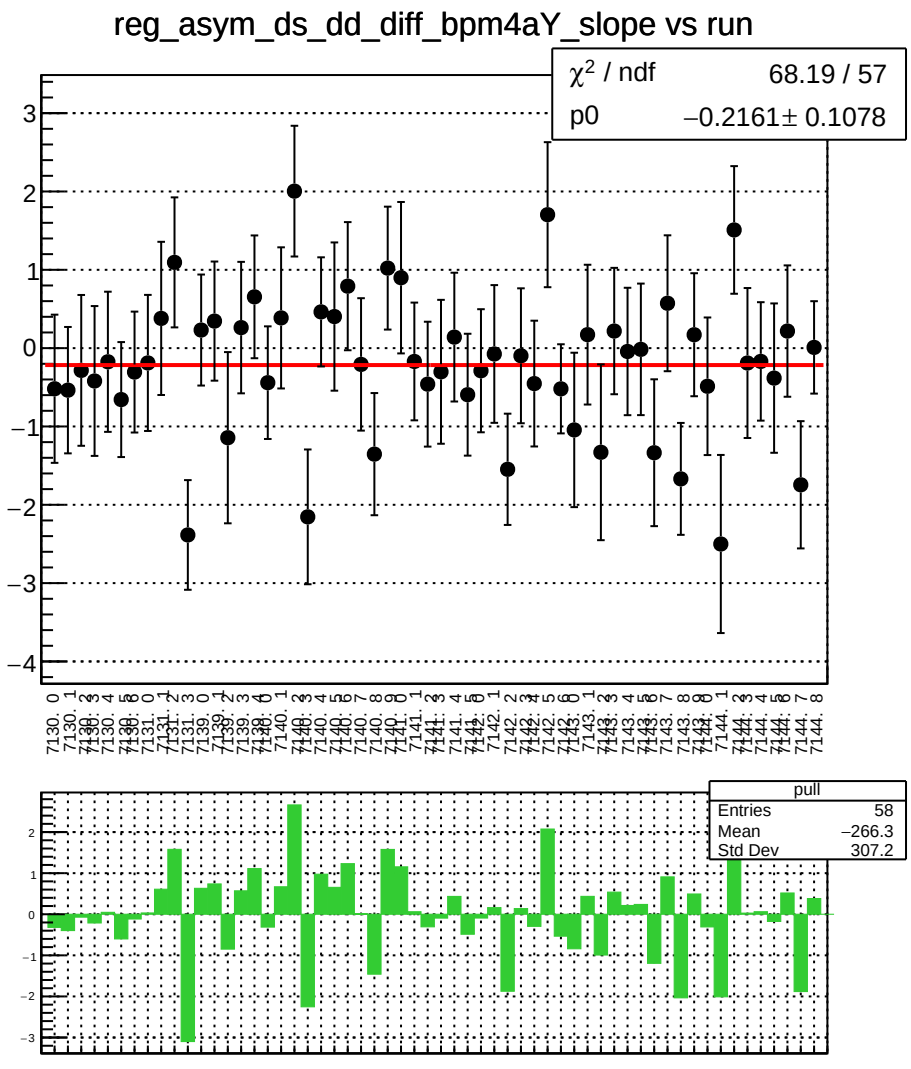

pull1D
Entries 58
Mean 0.002417
Std Dev 1.125

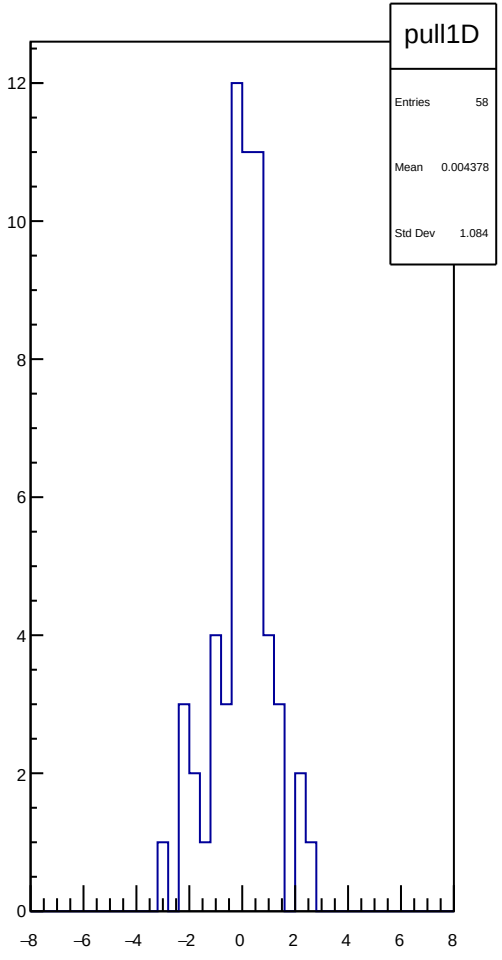

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 70.37 / 57
p0 −0.008554 ± 0.005327
pull
Entries 58
Mean −2788
Std Dev 2816

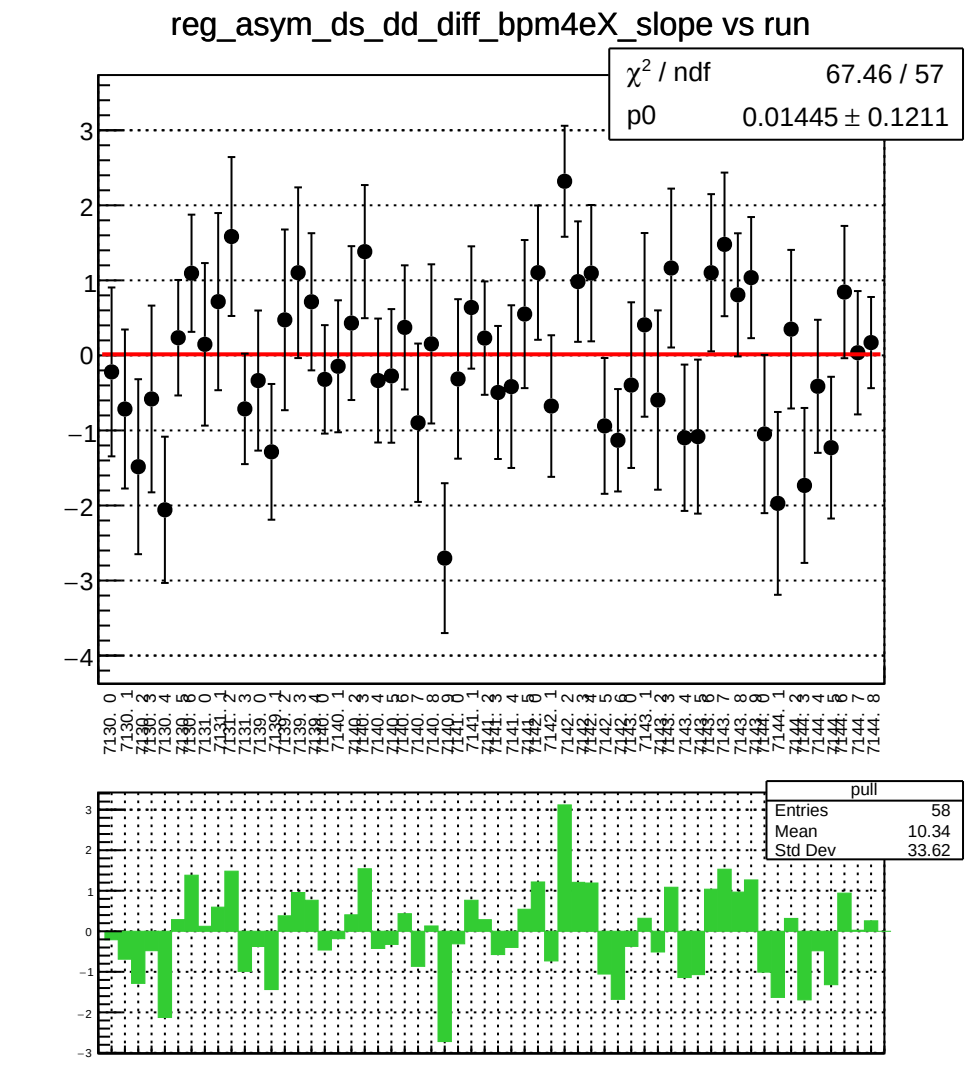

pull1D
Entries 58
Mean −0.0007095
Std Dev 1.101

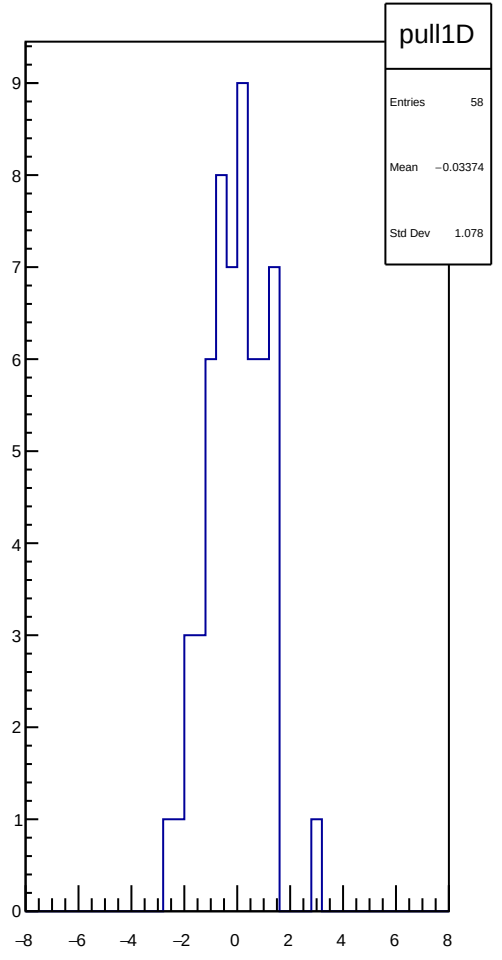

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 67.52 / 57
p0 −0.04058 ± 0.119
pull
Entries 58
Mean 15.32
Std Dev 38.22

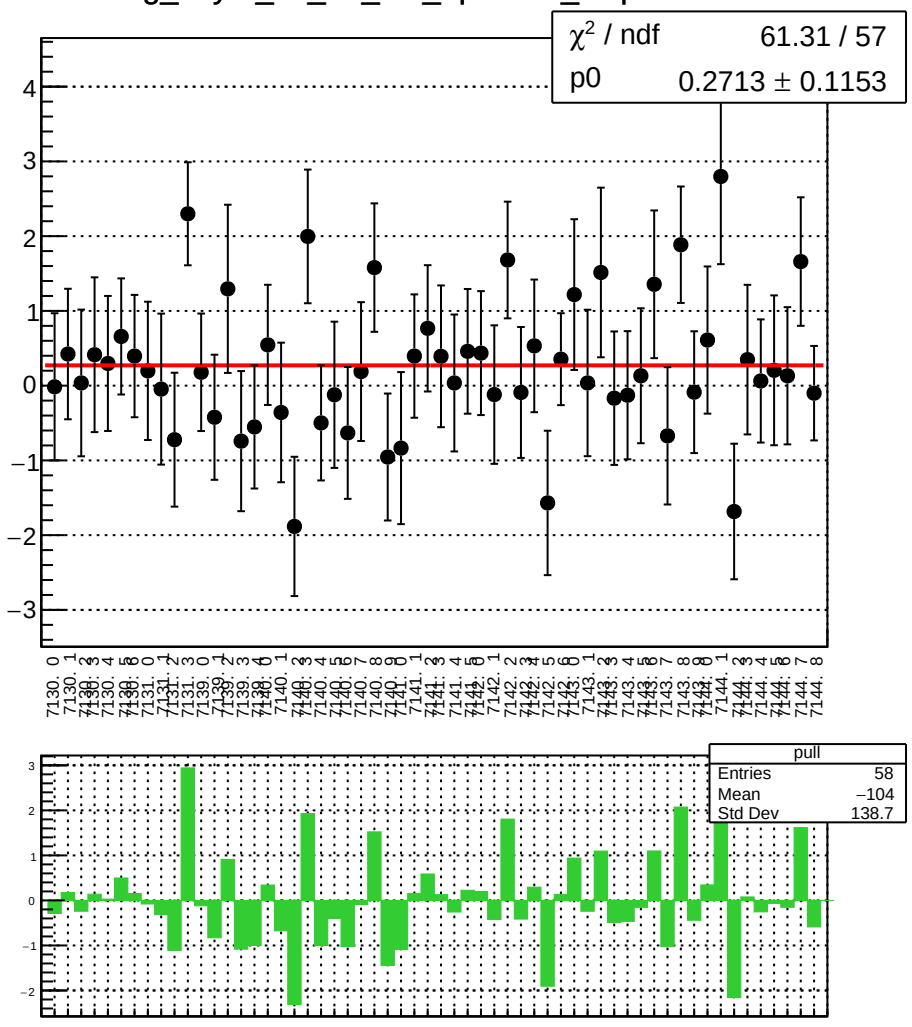

pull1D
Entries 58
Mean 0.03312
Std Dev 1.078

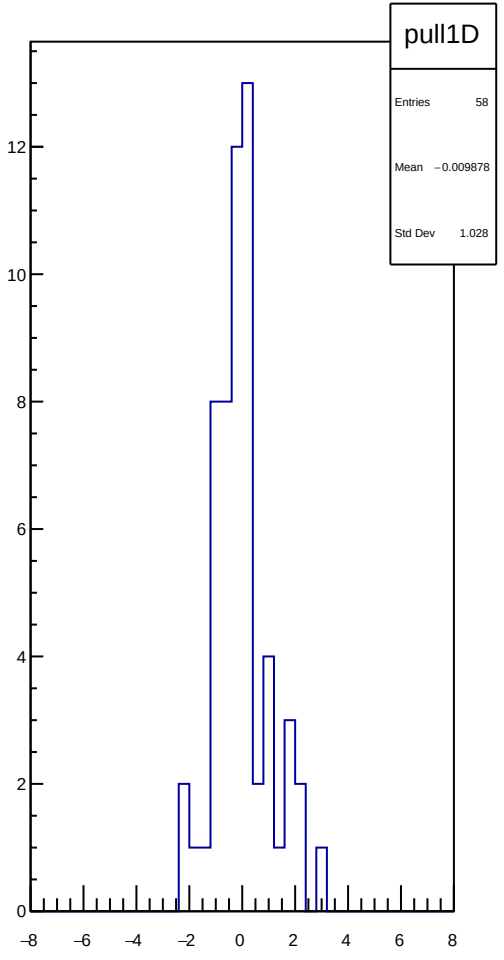

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.19 / 57
p0 −0.2161± 0.1078
pull
Entries 58
Mean −266.3
Std Dev 307.2

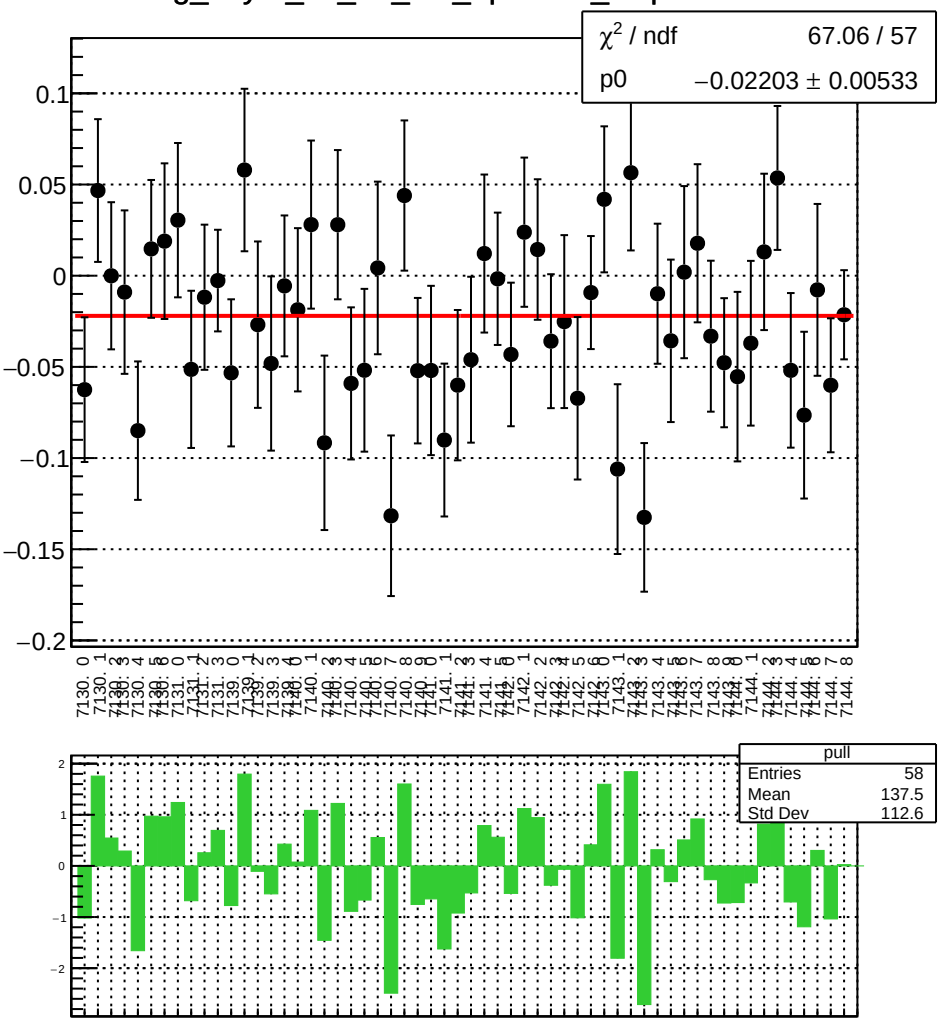

pull1D
Entries 58
Mean 0.004378
Std Dev 1.084

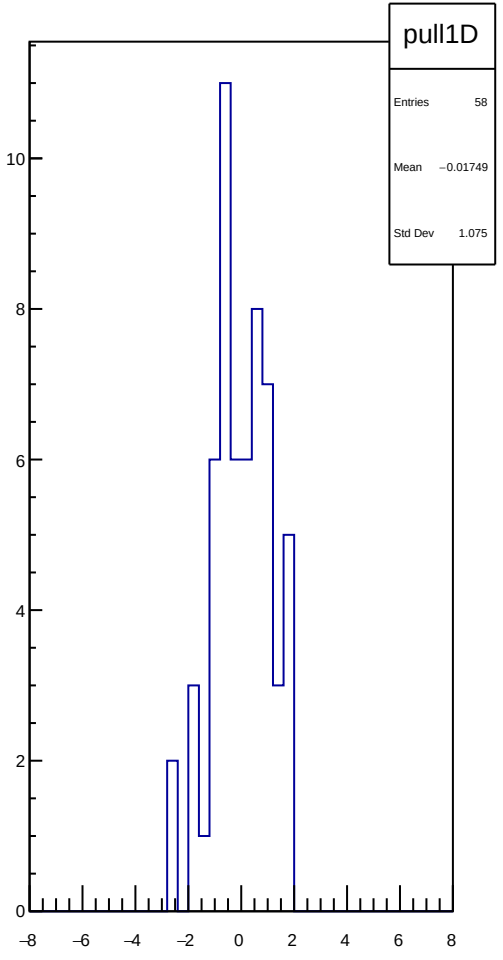

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 67.46 / 57
p0 0.01445 ± 0.1211
pull
Entries 58
Mean 10.34
Std Dev 33.62

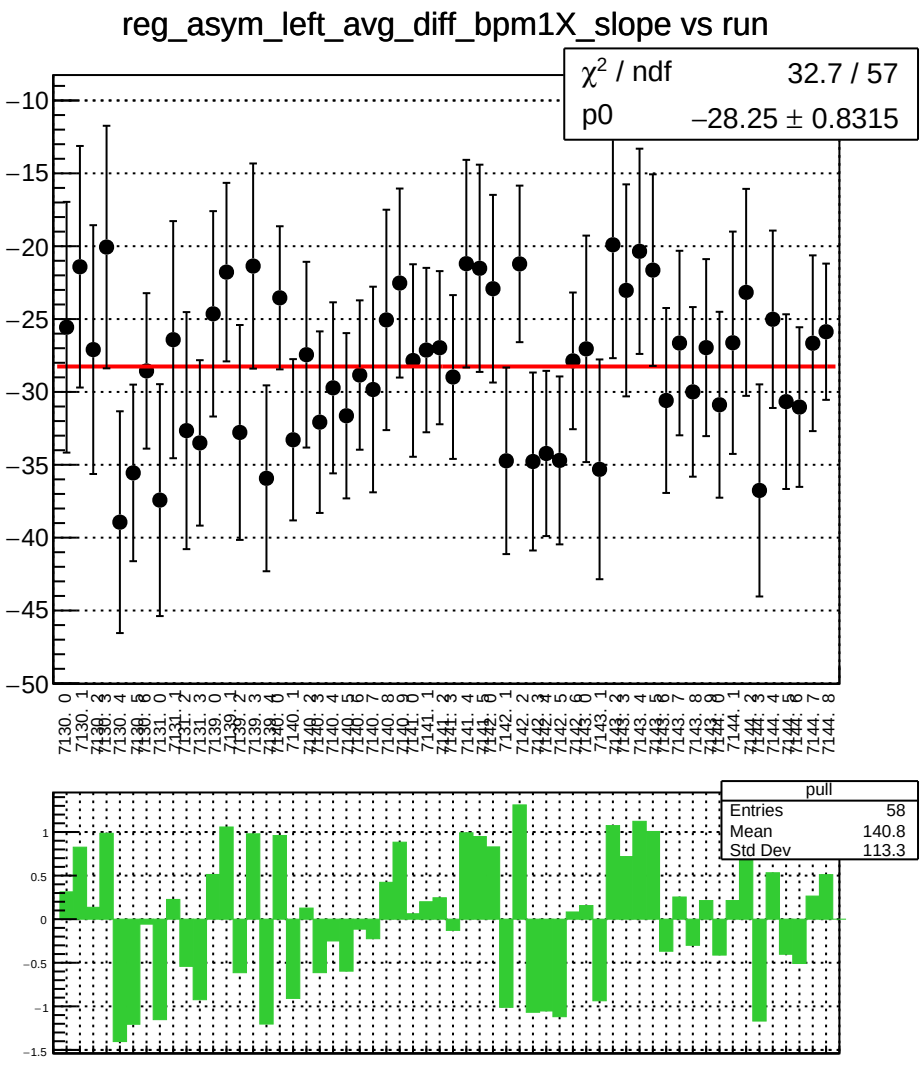

pull1D
Entries 58
Mean −0.03374
Std Dev 1.078

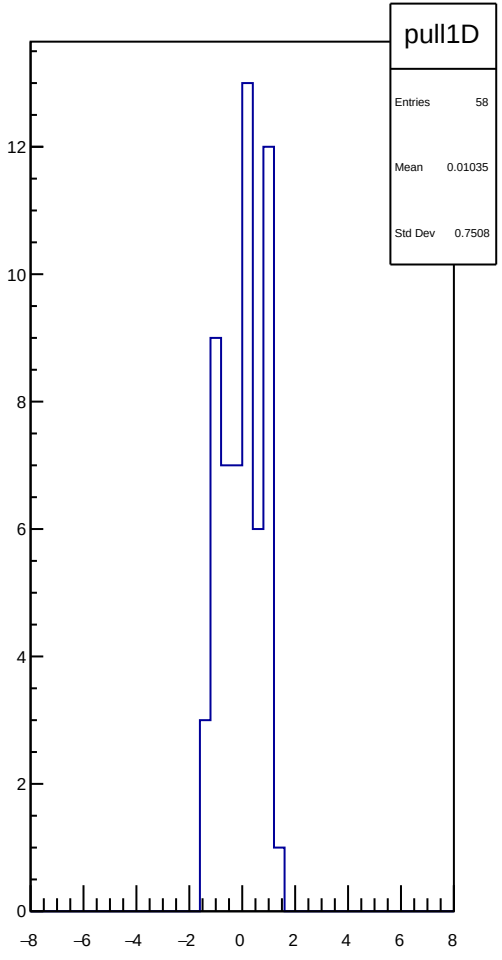

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.31 / 57
p0 0.2713 ± 0.1153
pull
Entries 58
Mean −104
Std Dev 138.7

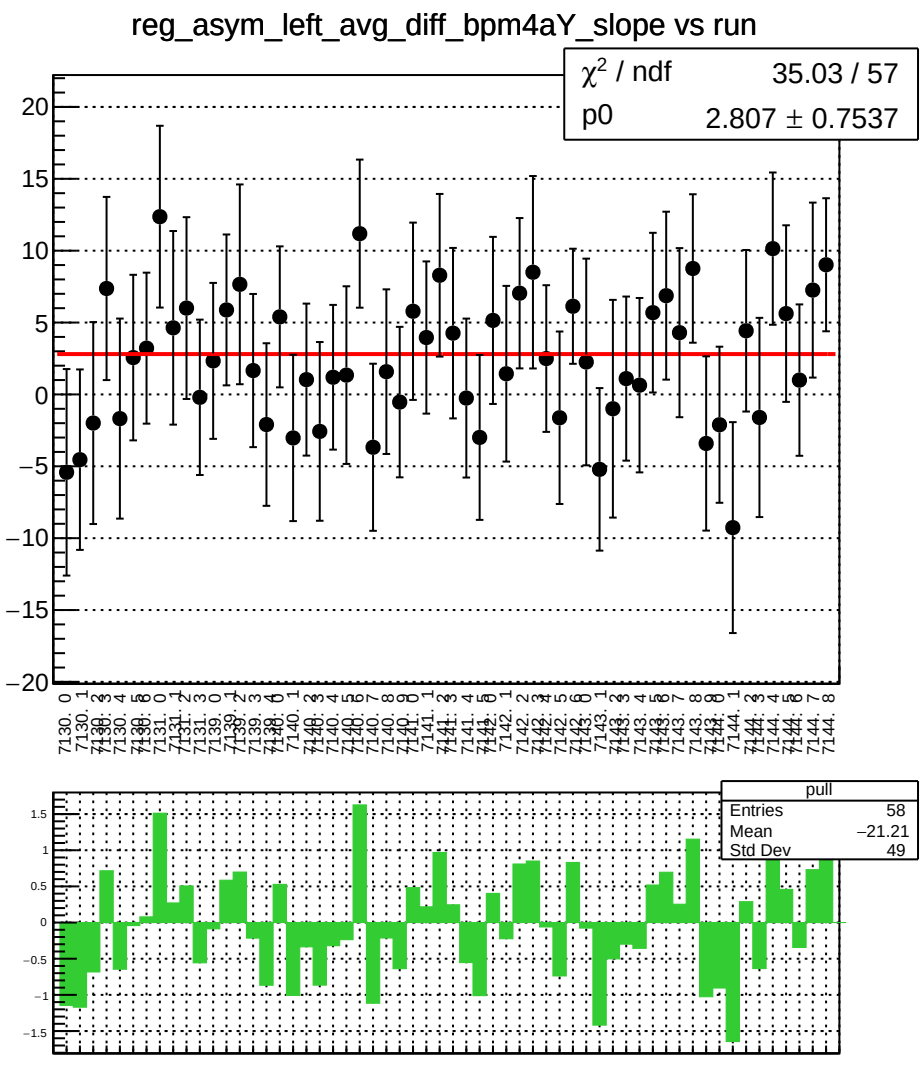

pull1D
Entries 58
Mean −0.009878
Std Dev 1.028

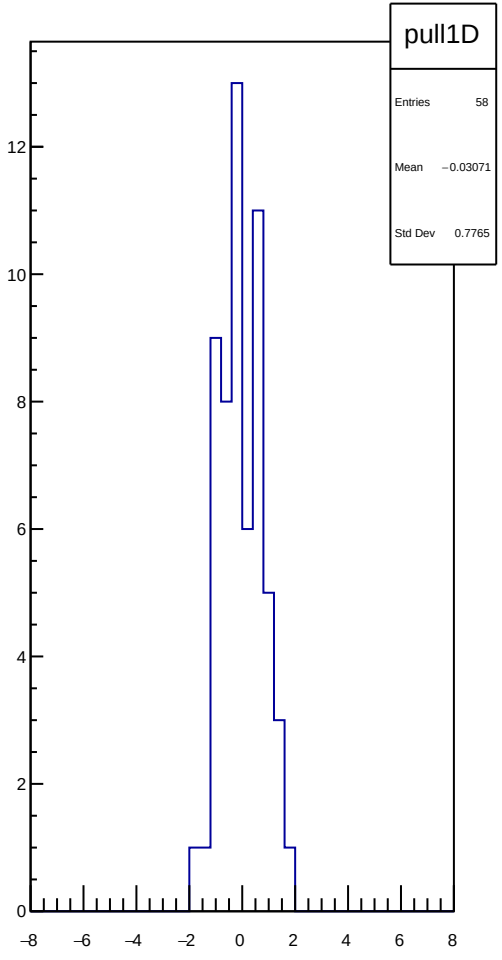

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 67.06 / 57
p0 −0.02203 ± 0.00533
pull
Entries 58
Mean 137.5
Std Dev 112.6

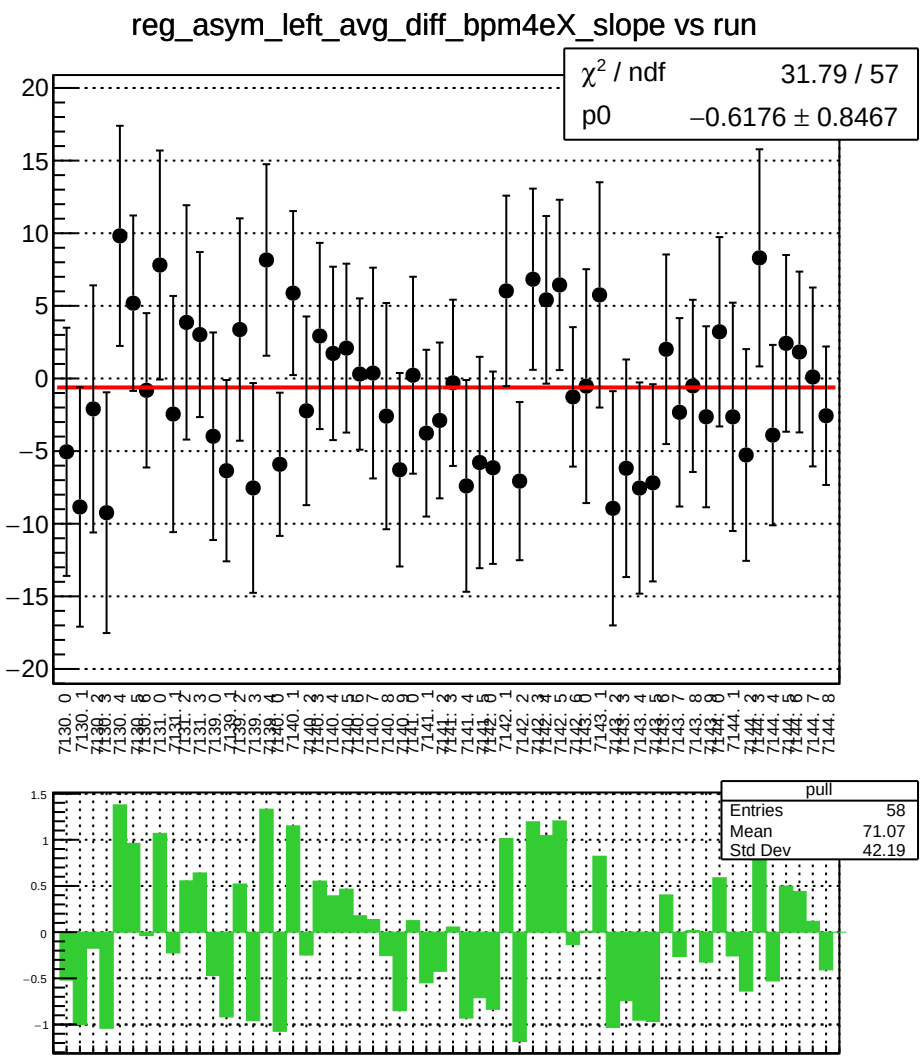

pull1D
Entries 58
Mean −0.01749
Std Dev 1.075

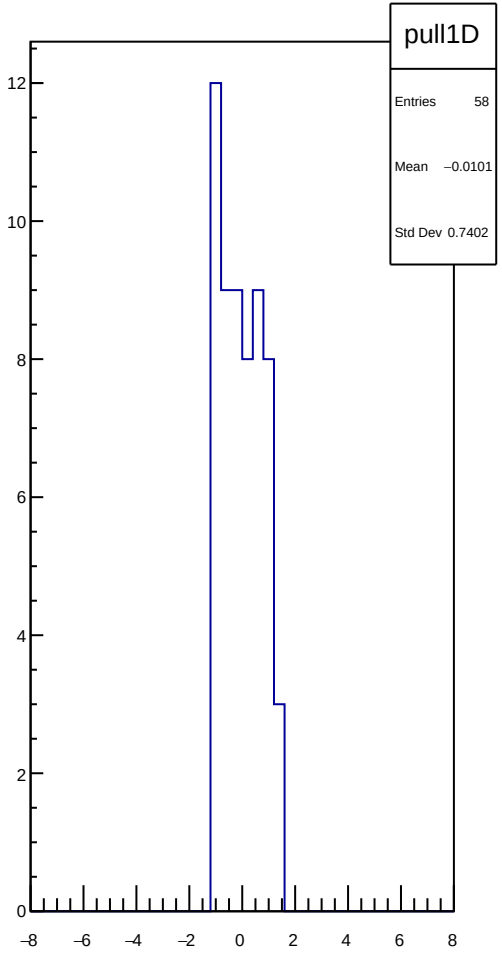

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 32.7 / 57
p0 −28.25 ± 0.8315
pull
Entries 58
Mean 140.8
Std Dev 113.3

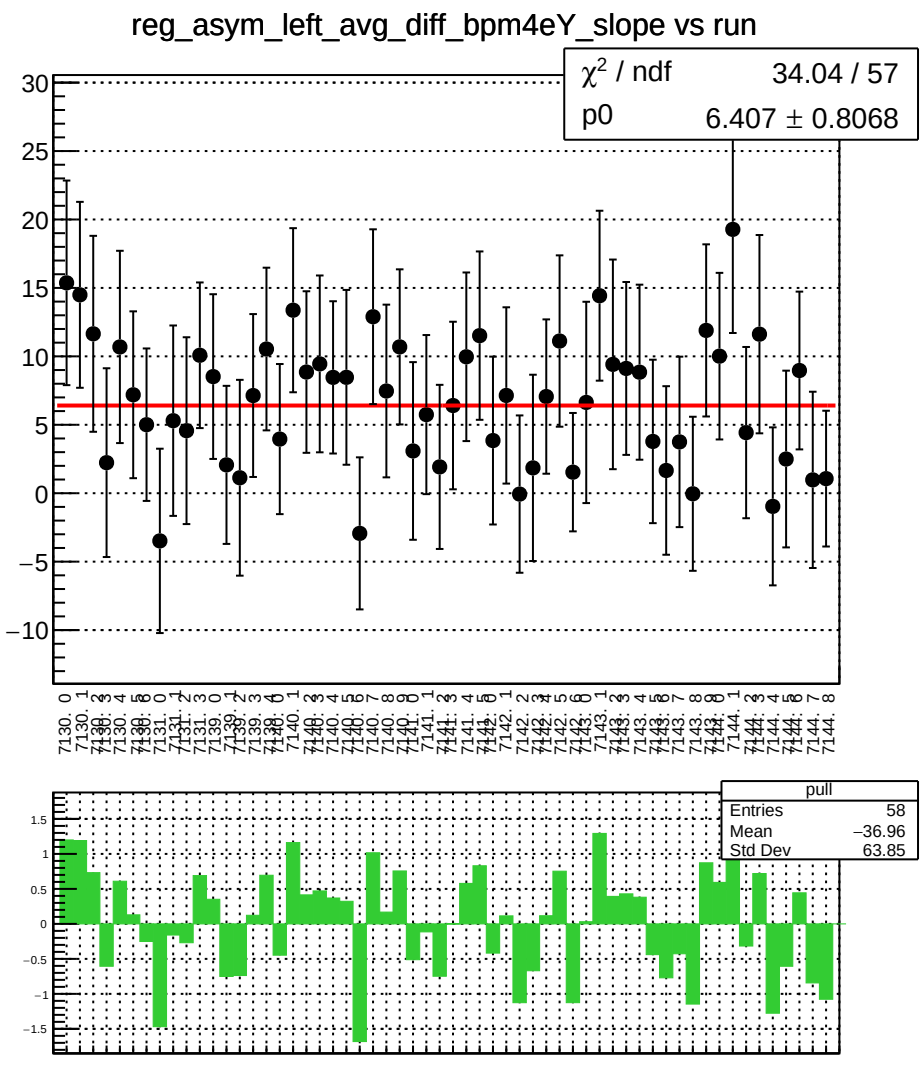

pull1D
Entries 58
Mean 0.01035
Std Dev 0.7508

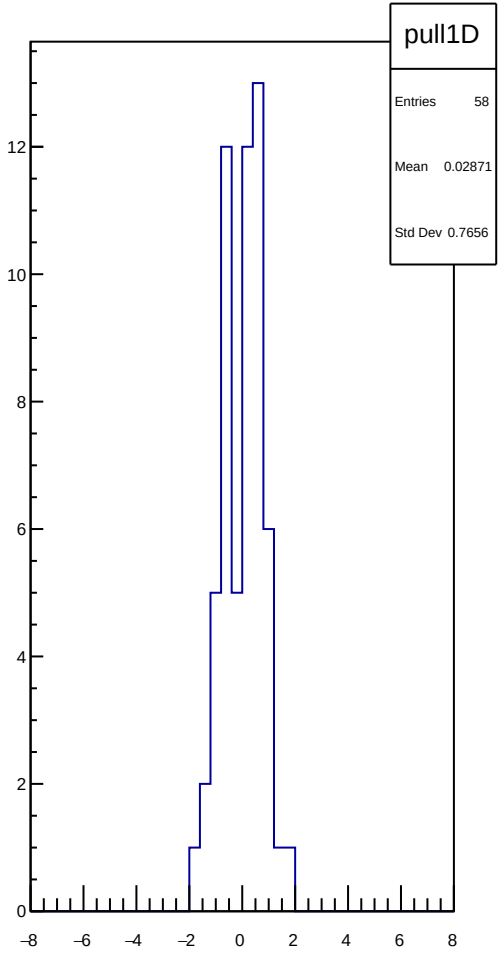

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.03 / 57
p0 2.807 ± 0.7537
pull
Entries 58
Mean −21.21
Std Dev 49

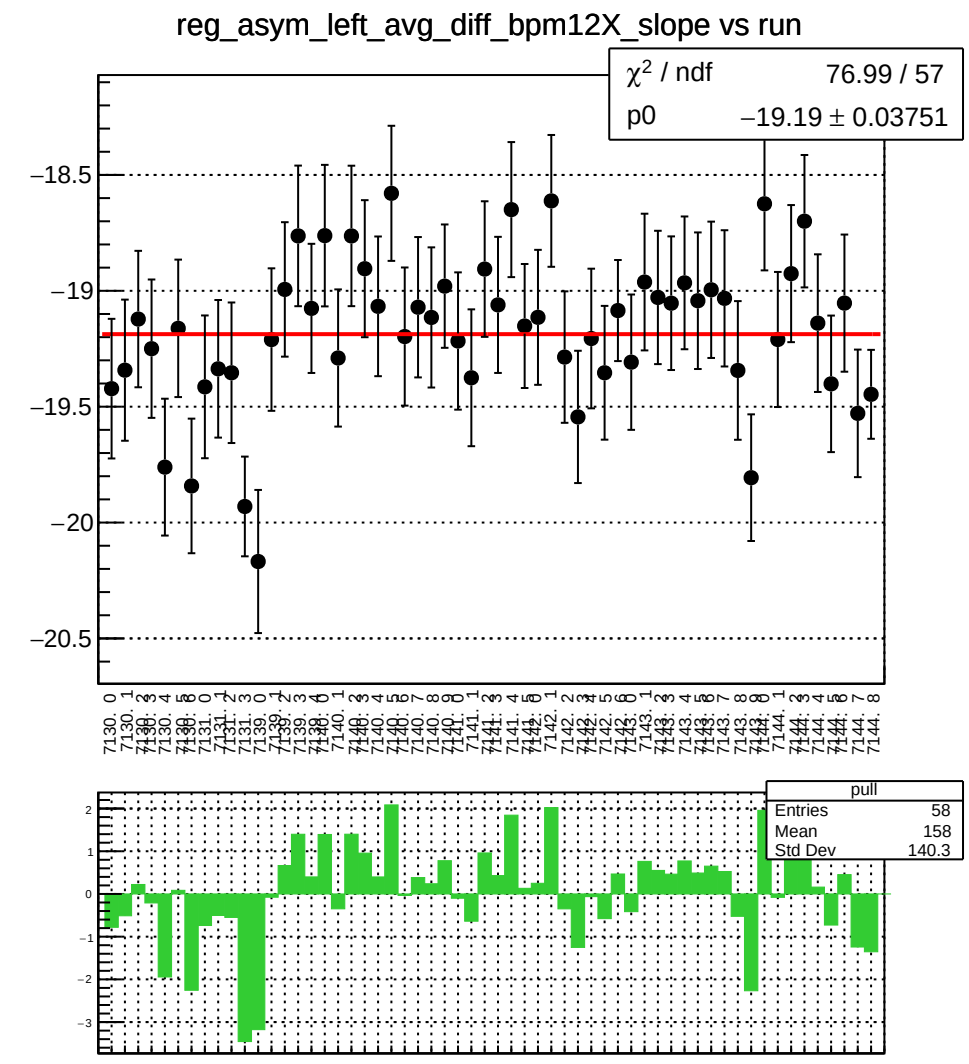

pull1D
Entries 58
Mean −0.03071
Std Dev 0.7765

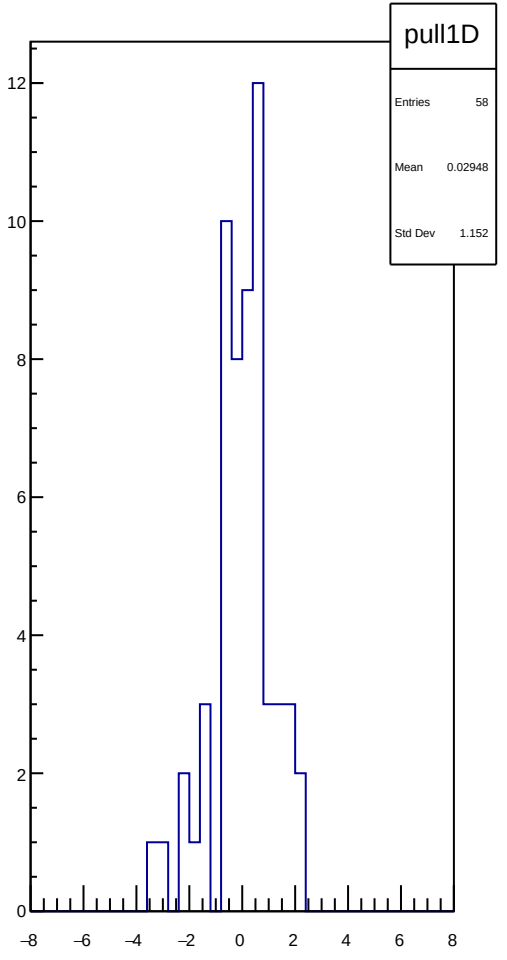

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.79 / 57
p0 −0.6176 ± 0.8467
pull
Entries 58
Mean 71.07
Std Dev 42.19

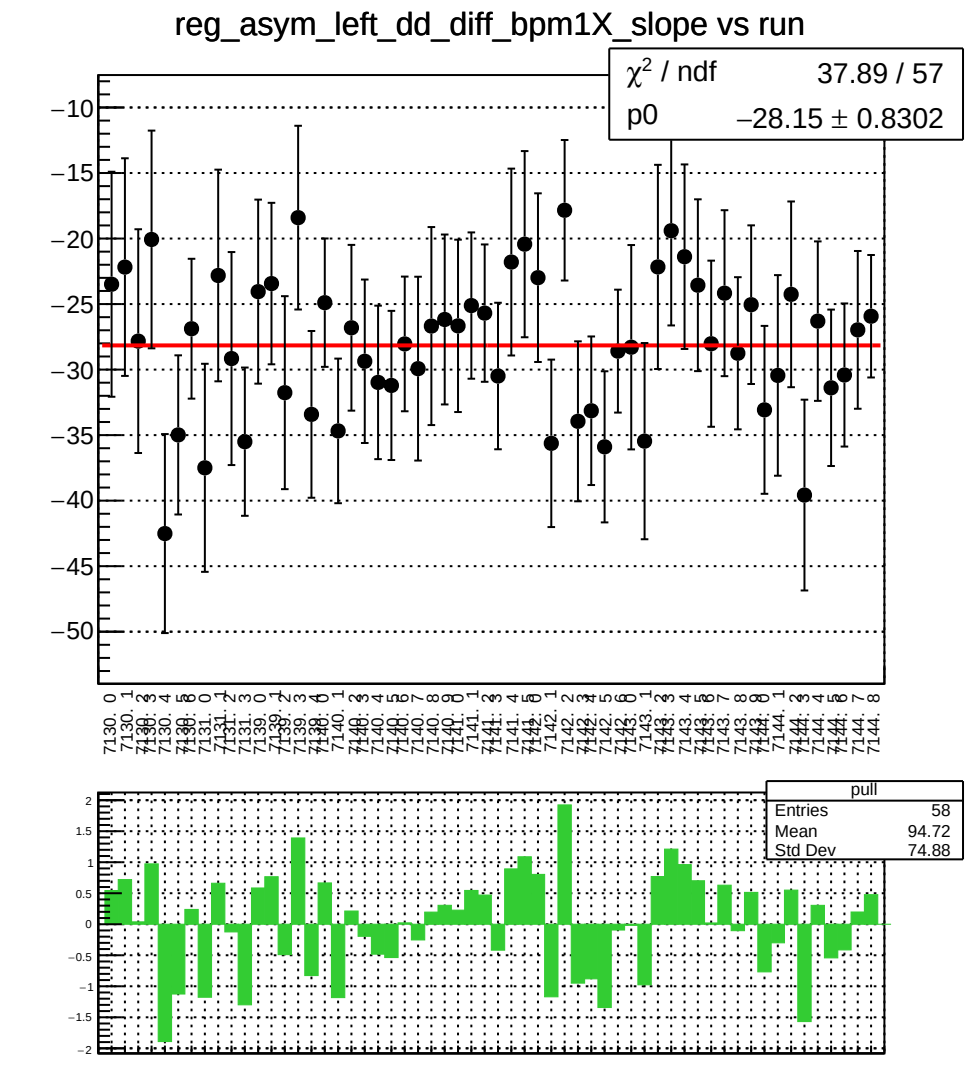

pull1D
Entries 58
Mean −0.0101
Std Dev 0.7402

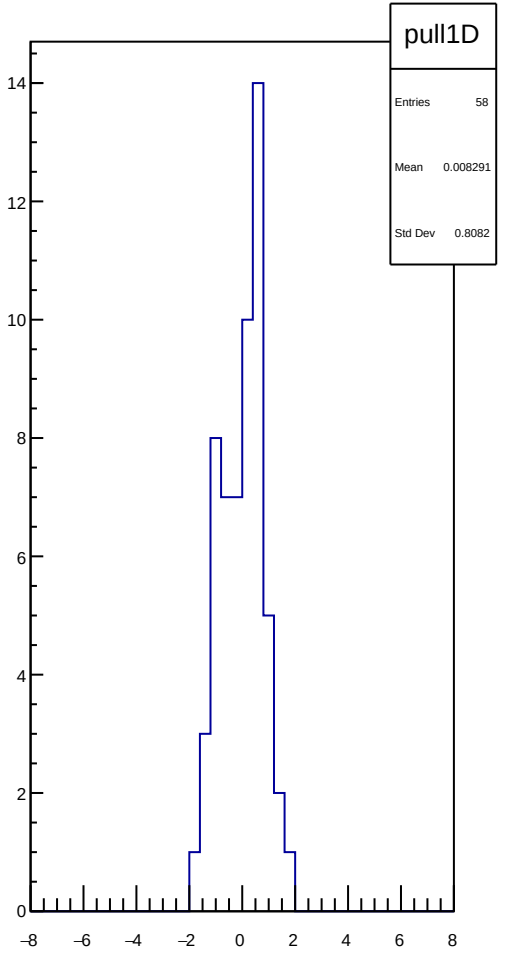

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.04 / 57
p0 6.407 ± 0.8068
pull
Entries 58
Mean −36.96
Std Dev 63.85

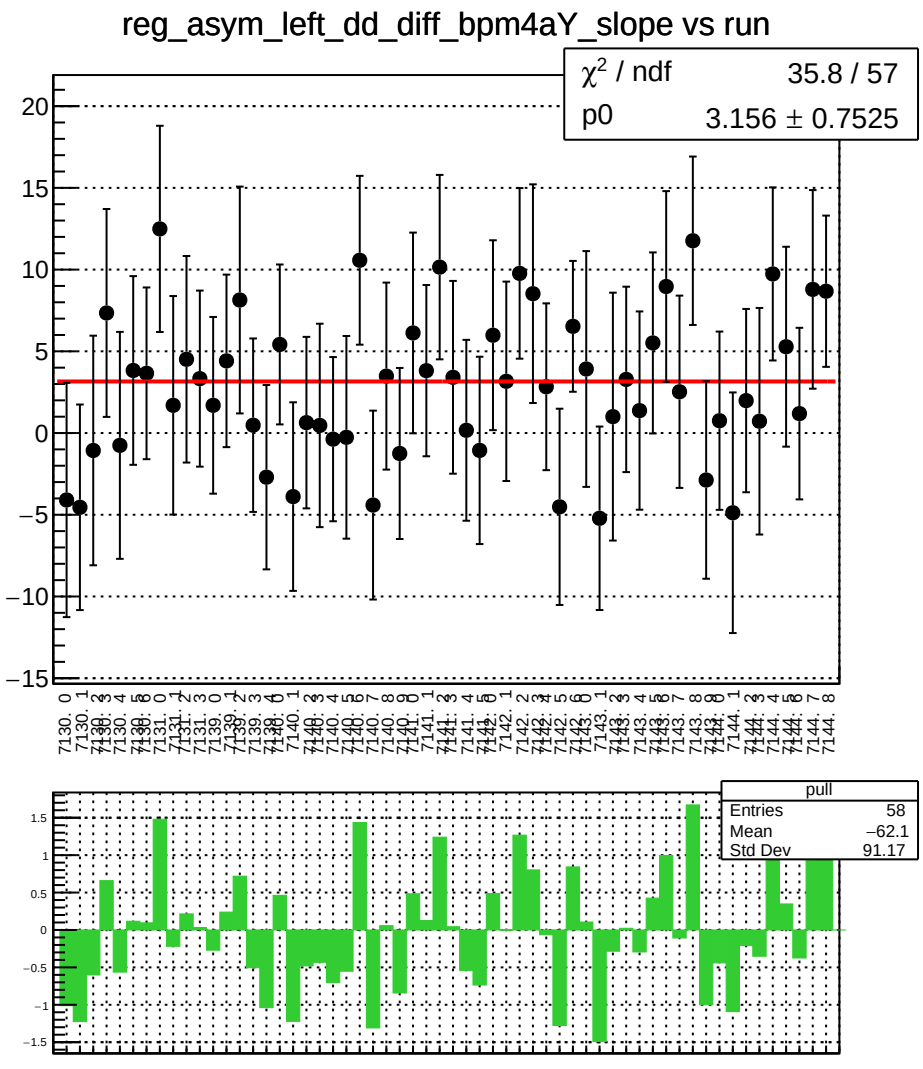

pull1D
Entries 58
Mean 0.02871
Std Dev 0.7656

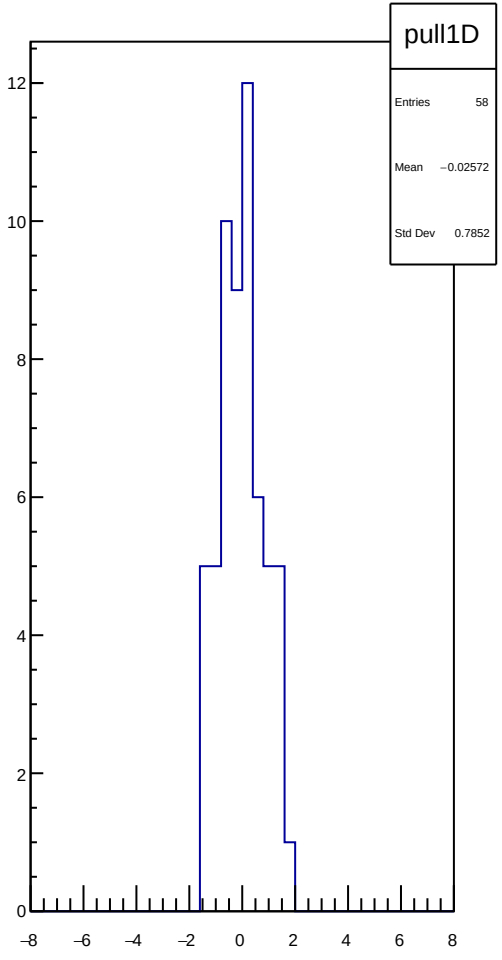

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 76.99 / 57
p0 −19.19 ± 0.03751
−18.5
−19
−19.5
−20
−20.5
pull
Entries 58
Mean 158
Std Dev 140.3
2
1
0
−1
−2
−3

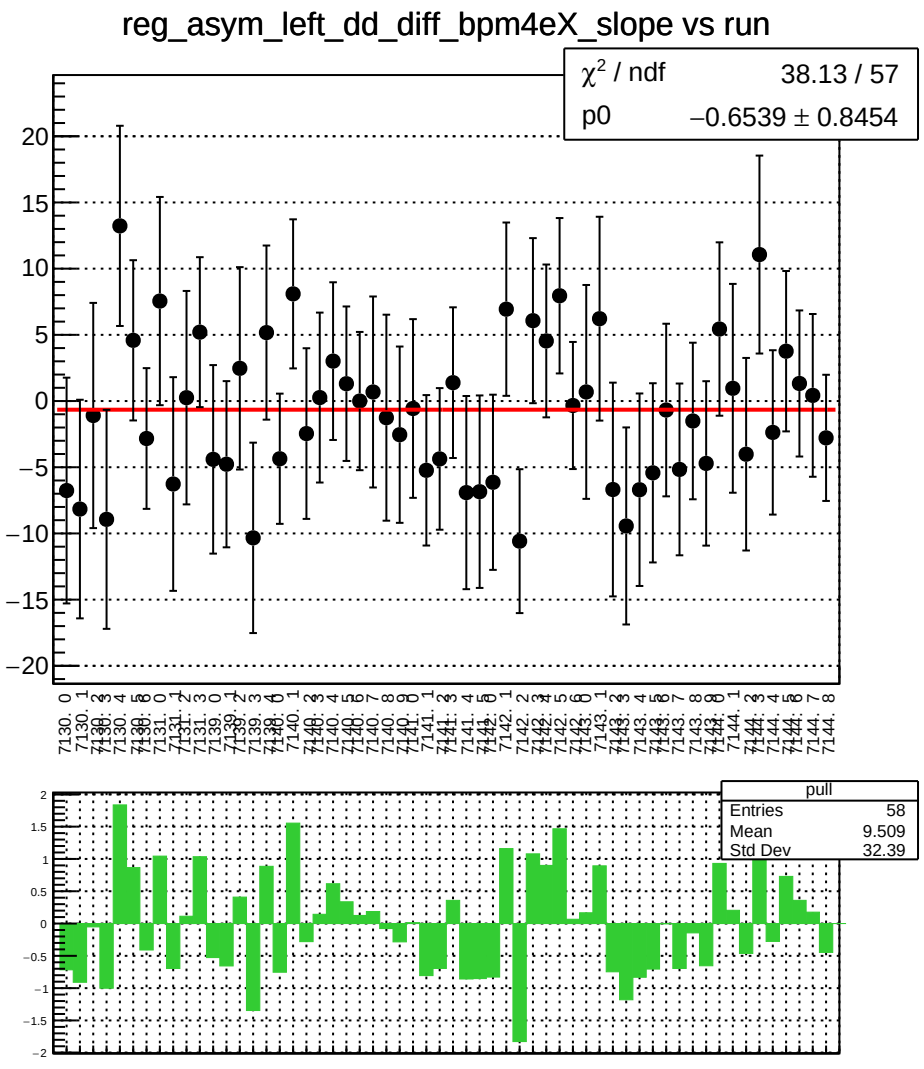

pull1D
Entries 58
Mean 0.02948
Std Dev 1.152
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

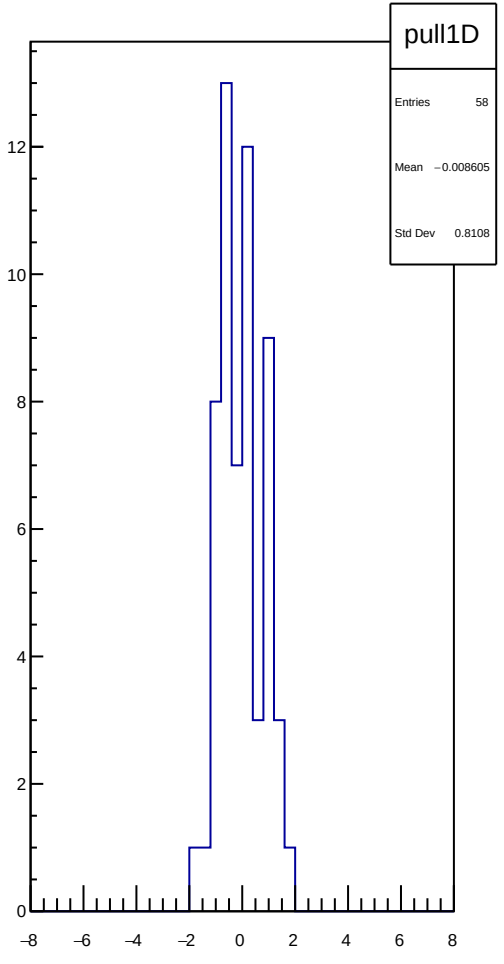

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 37.89 / 57
p0 −28.15 ± 0.8302
pull
Entries 58
Mean 94.72
Std Dev 74.88

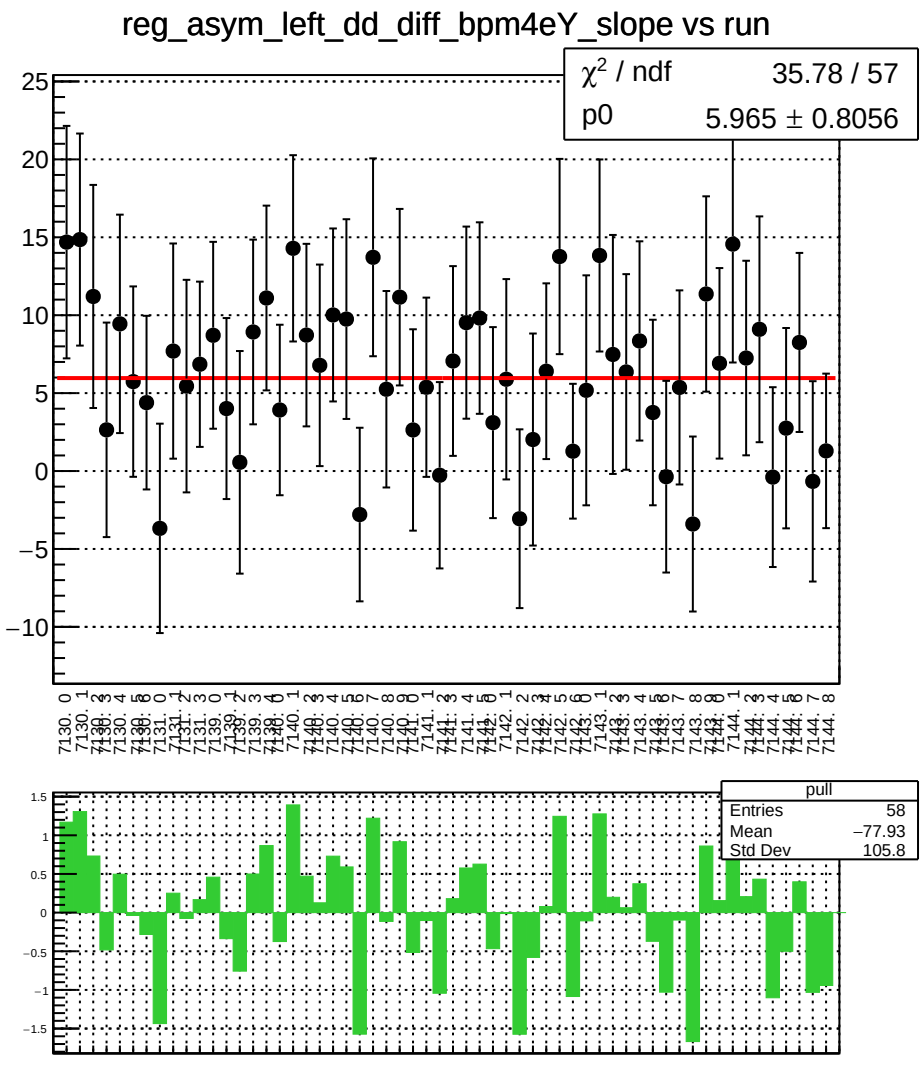

pull1D
Entries 58
Mean 0.008291
Std Dev 0.8082

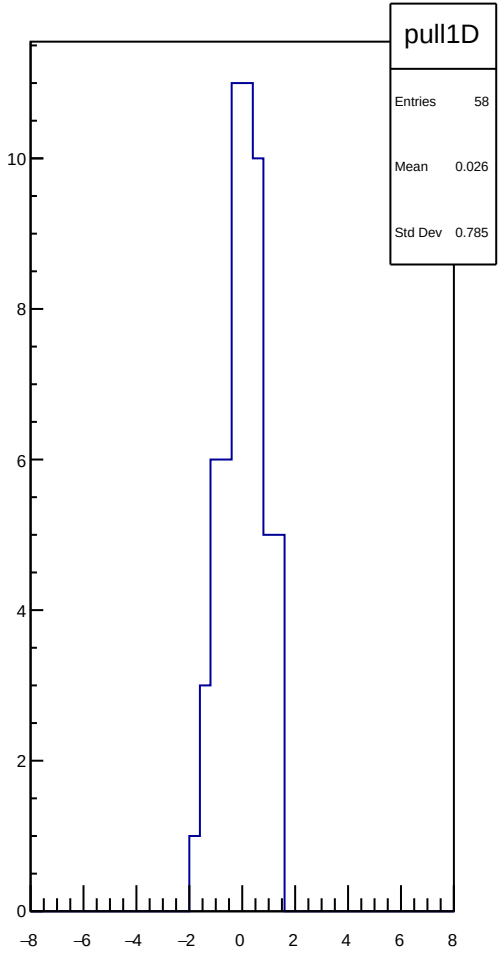

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.8 / 57
p0 3.156 ± 0.7525
pull
Entries 58
Mean −62.1
Std Dev 91.17

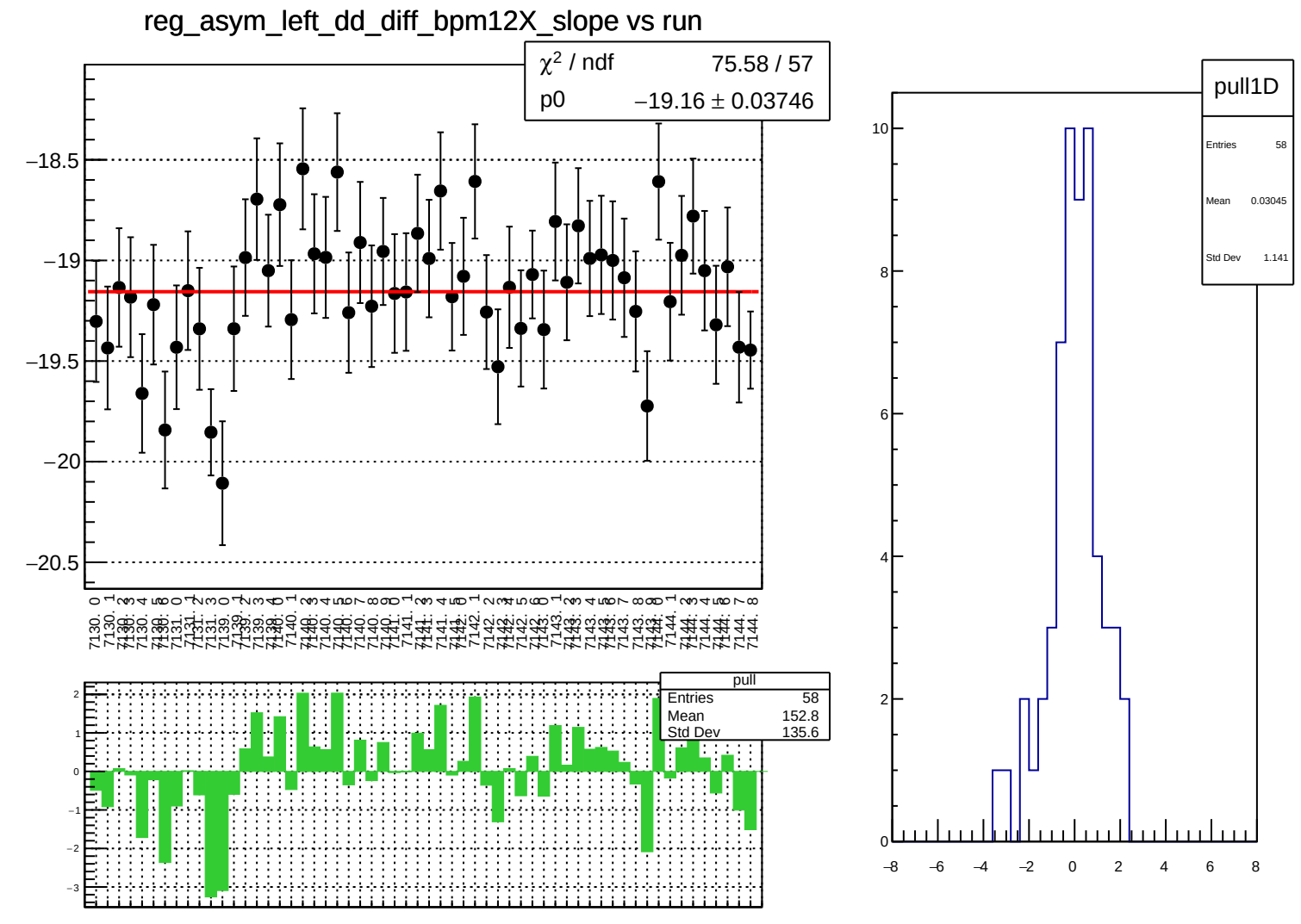

pull1D
Entries 58
Mean −0.02572
Std Dev 0.7852

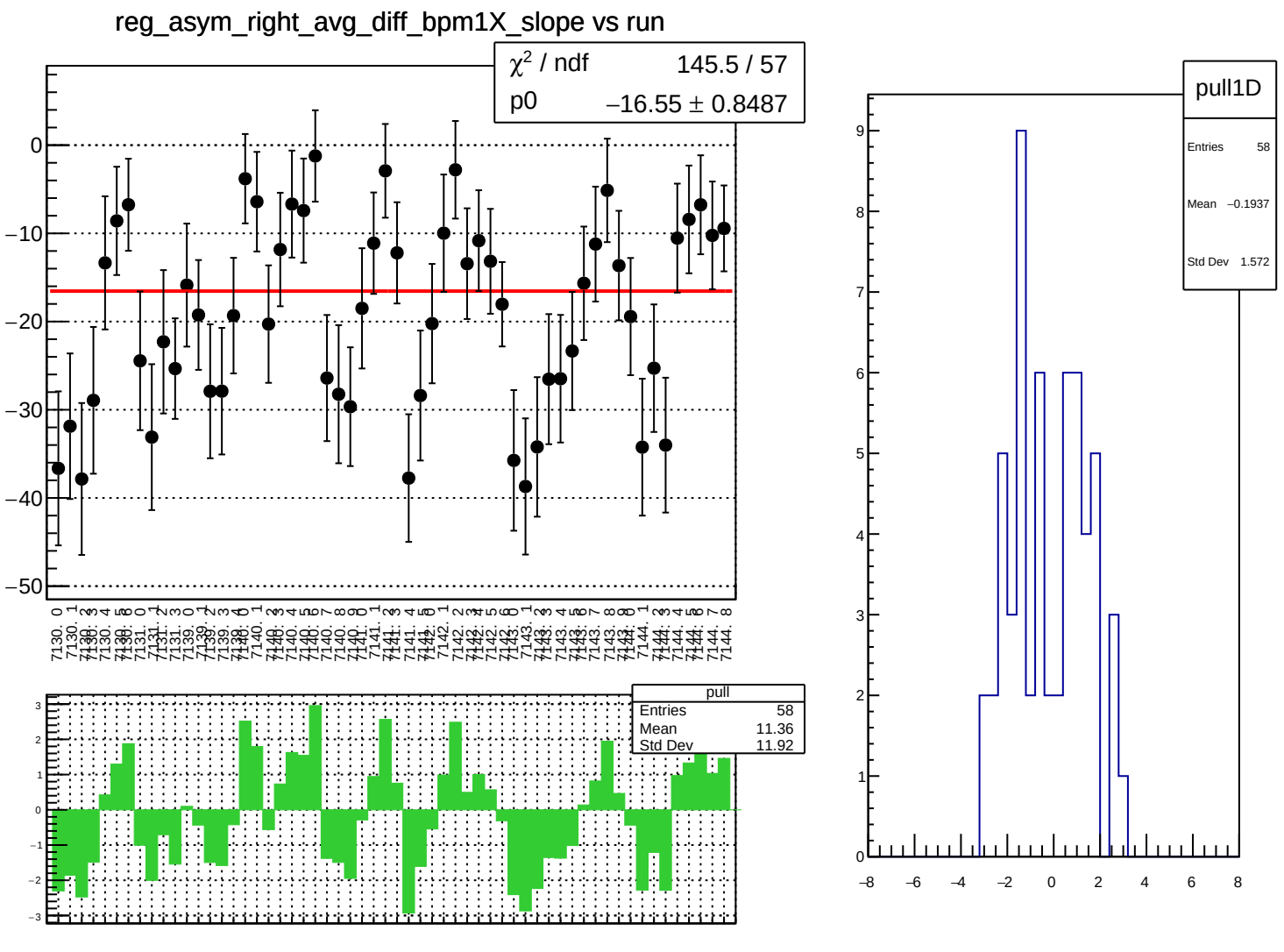

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.13 / 57
p0 −0.6539 ± 0.8454
pull
Entries 58
Mean 9.509
Std Dev 32.39

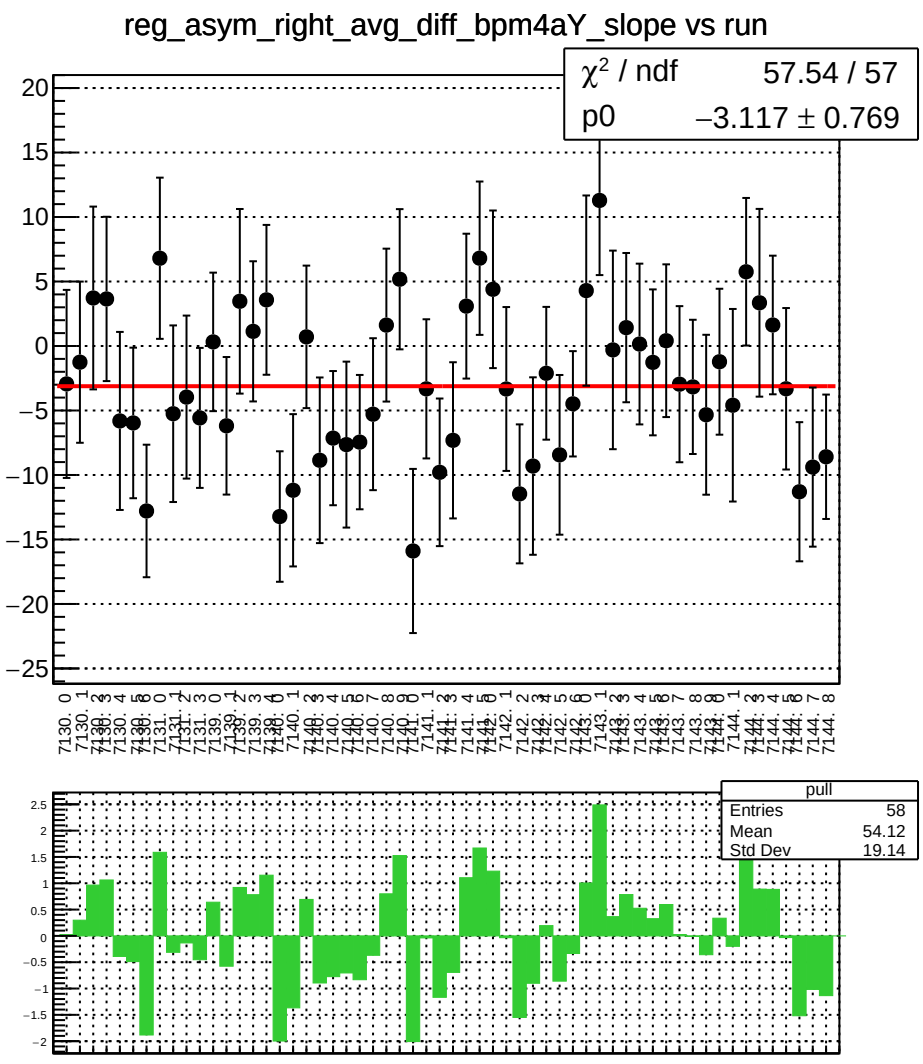

pull1D
Entries 58
Mean −0.008605
Std Dev 0.8108

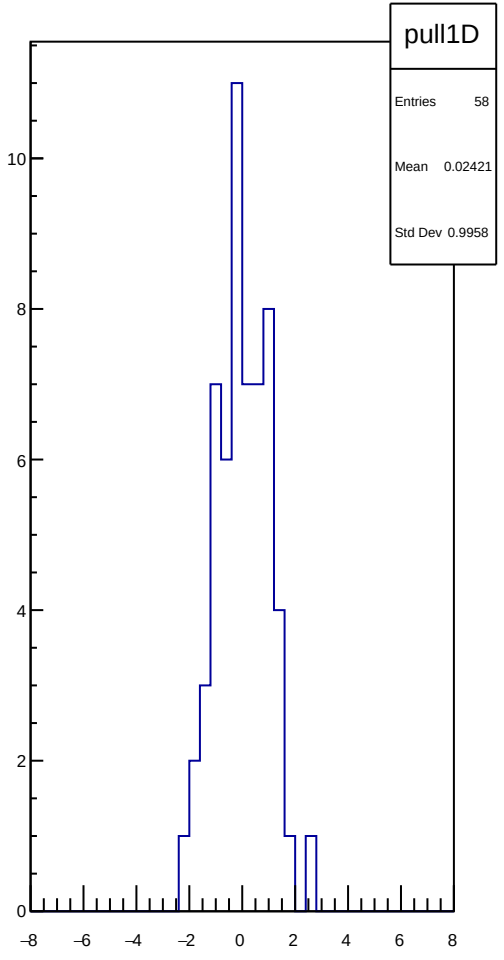

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.78 / 57
p0 5.965 ± 0.8056
pull
Entries 58
Mean −77.93
Std Dev 105.8

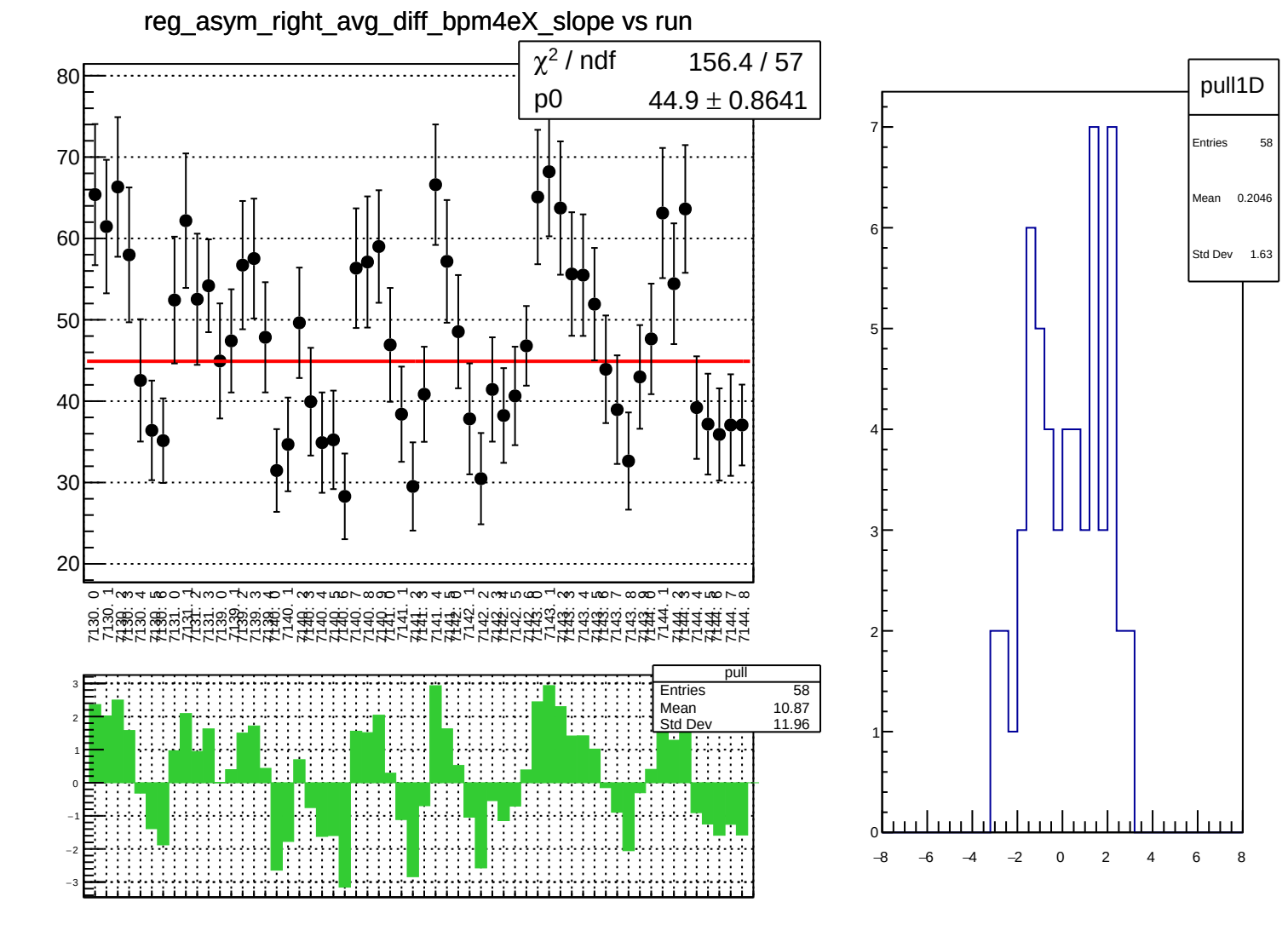

pull1D
Entries 58
Mean 0.026
Std Dev 0.785

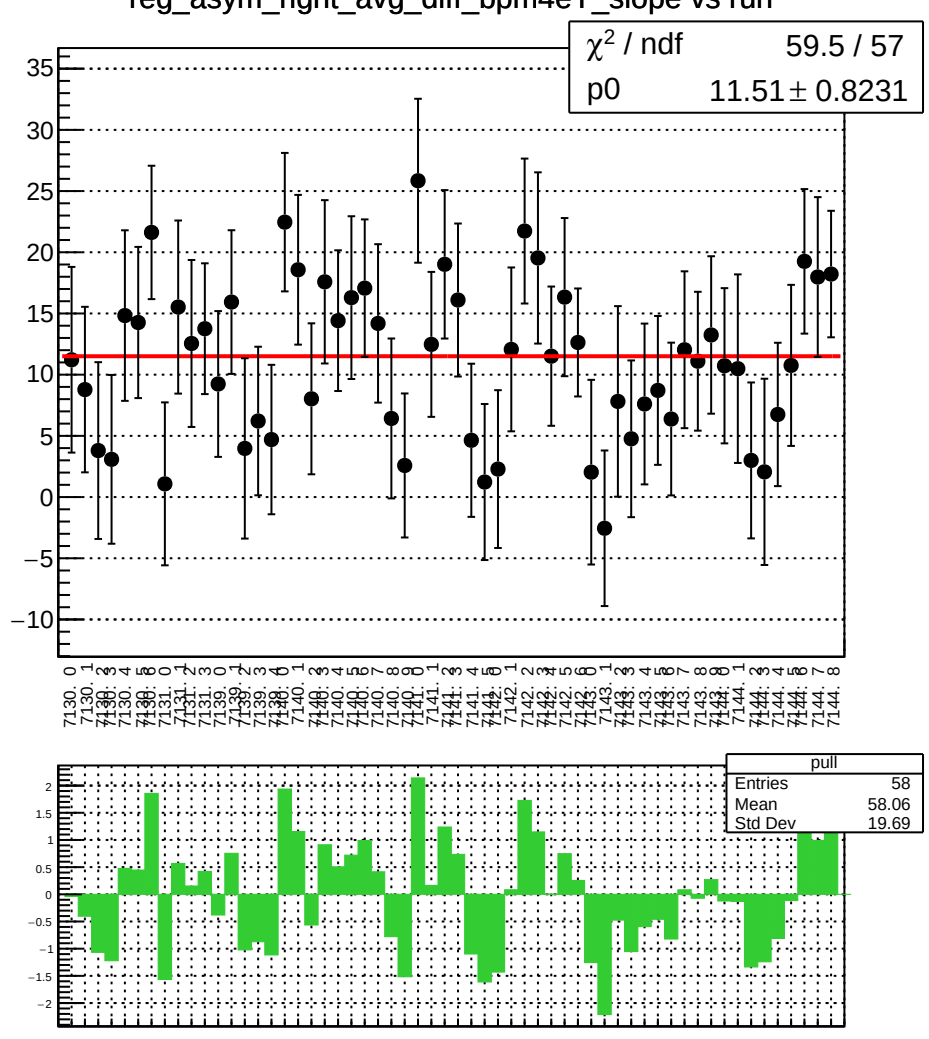

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 75.58 / 57
p0 −19.16 ± 0.03746
−18.5
−19
−19.5
−20
−20.5
pull
Entries 58
Mean 152.8
Std Dev 135.6
pull1D
Entries 58
Mean 0.03045
Std Dev 1.141

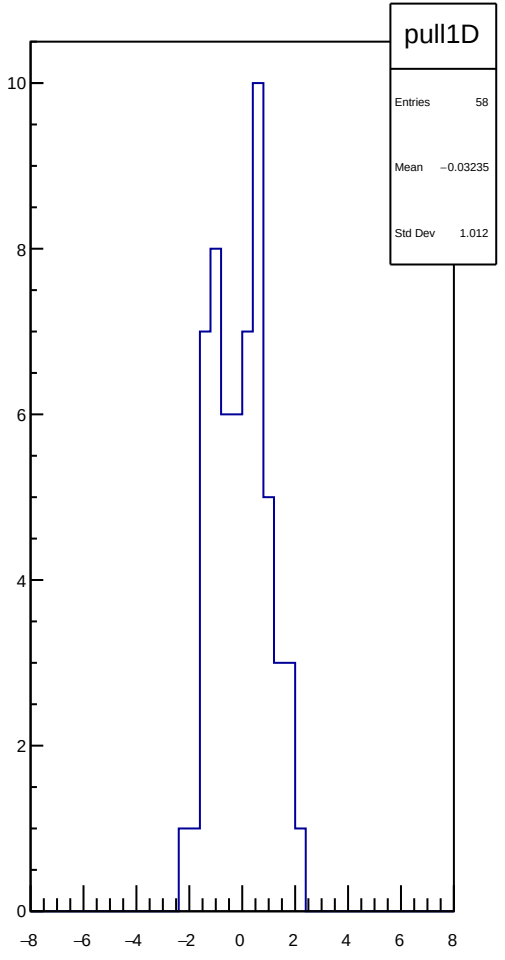

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 145.5 / 57
p0 −16.55 ± 0.8487
pull
Entries 58
Mean 11.36
Std Dev 11.92
pull1D
Entries 58
Mean −0.1937
Std Dev 1.572

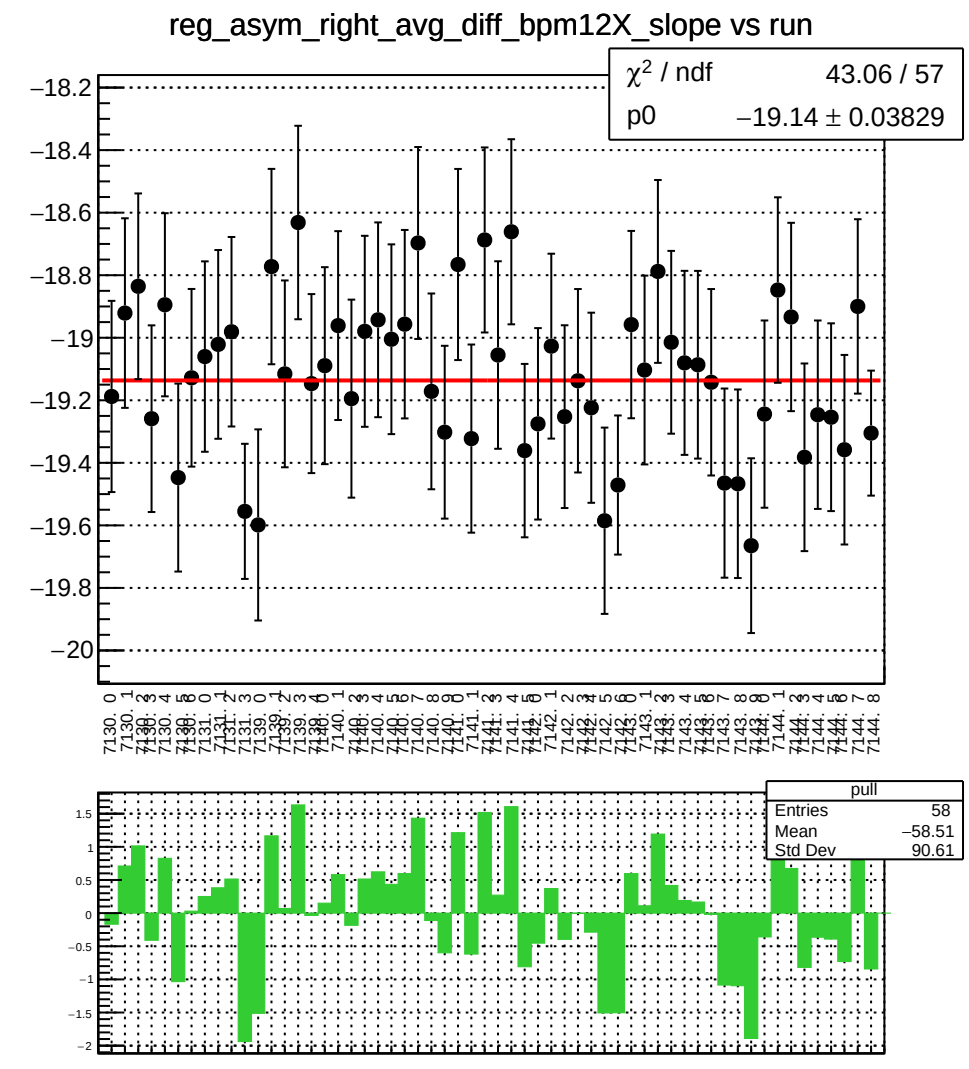

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.54 / 57
p0 −3.117 ± 0.769
pull
Entries 58
Mean 54.12
Std Dev 19.14

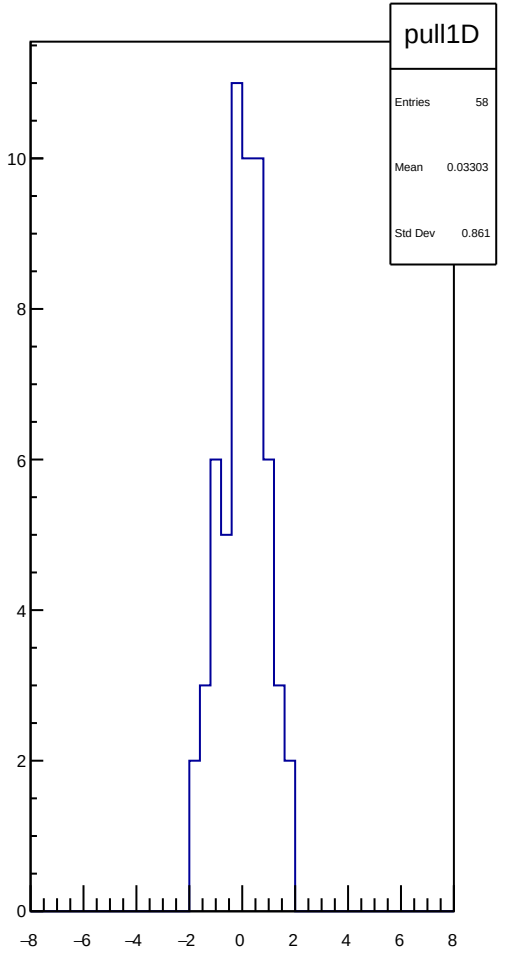

pull1D
Entries 58
Mean 0.02421
Std Dev 0.9958

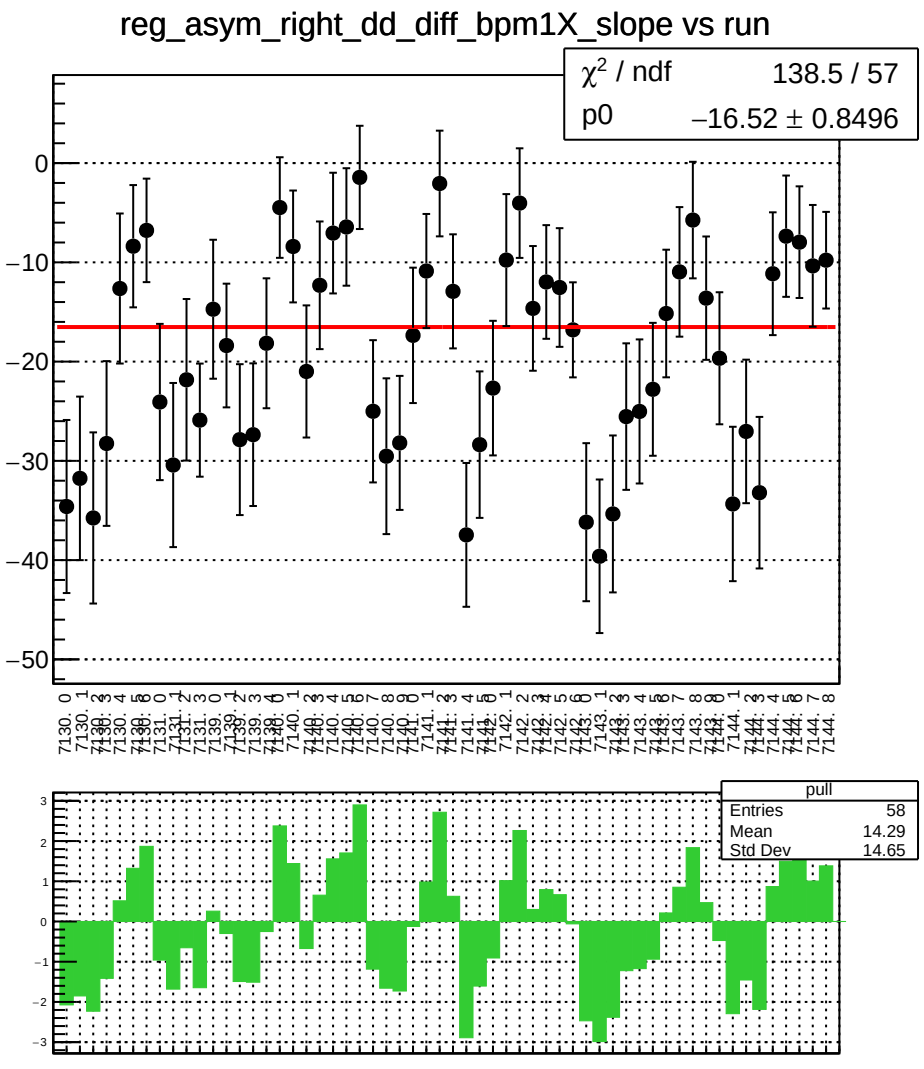

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 156.4 / 57
p0 44.9 ± 0.8641
pull
Entries 58
Mean 10.87
Std Dev 11.96
pull1D
Entries 58
Mean 0.2046
Std Dev 1.63

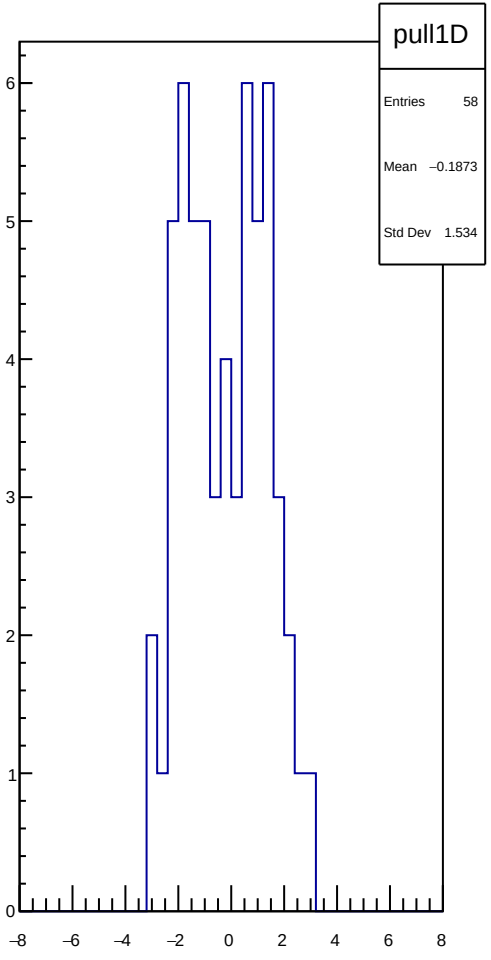

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.5 / 57
p0 11.51 ± 0.8231
pull
Entries 58
Mean 58.06
Std Dev 19.69

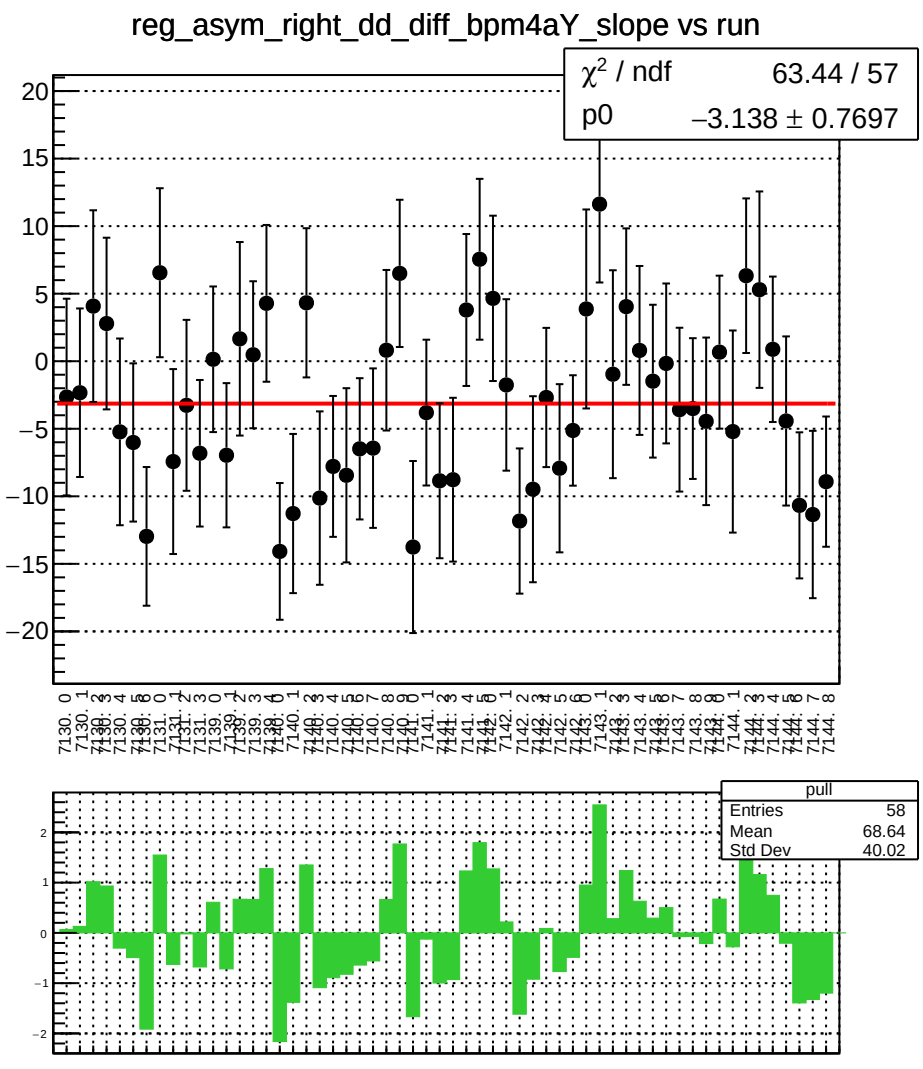

pull1D
Entries 58
Mean −0.03235
Std Dev 1.012

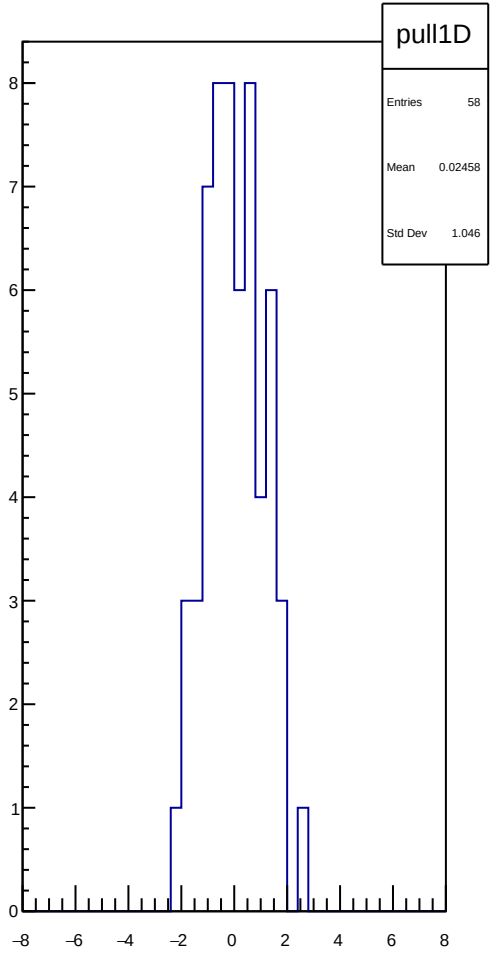

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 43.06 / 57
p0 −19.14 ± 0.03829
pull
Entries 58
Mean −58.51
Std Dev 90.61

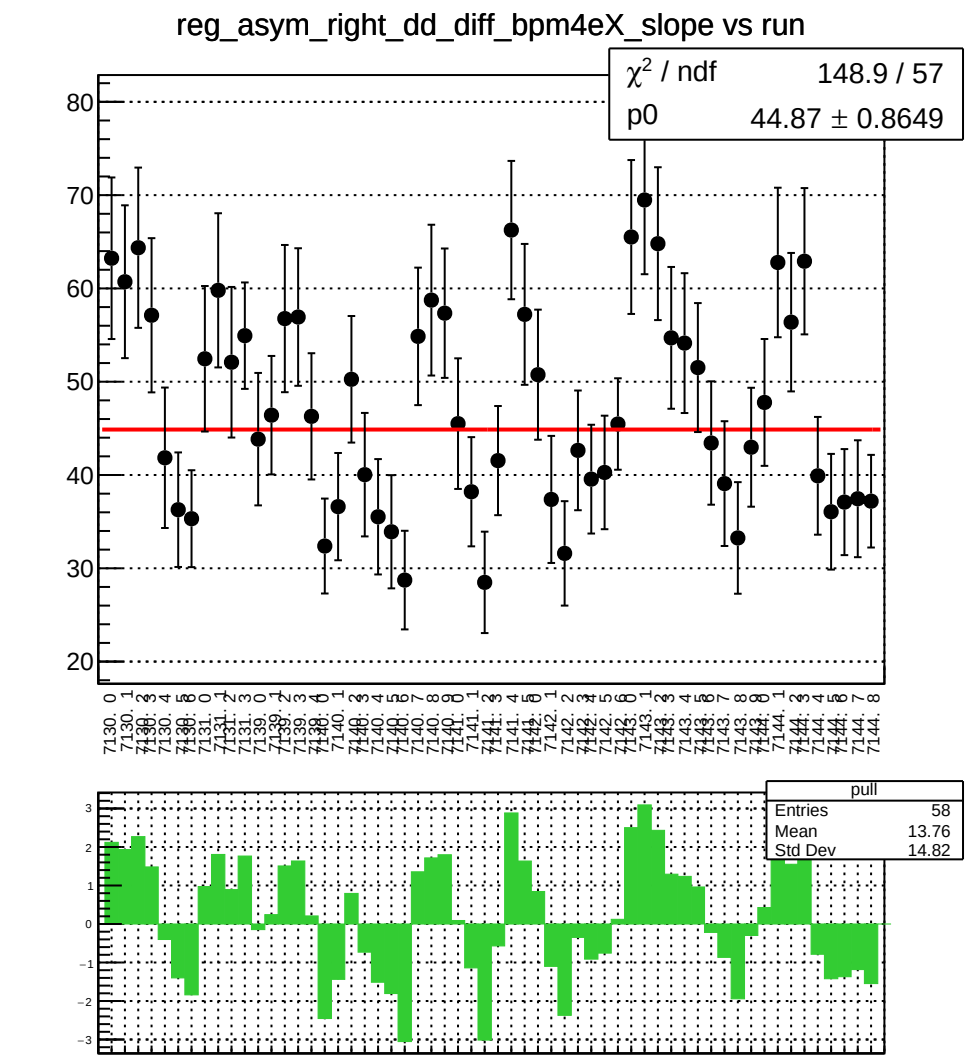

pull1D
Entries 58
Mean 0.03303
Std Dev 0.861

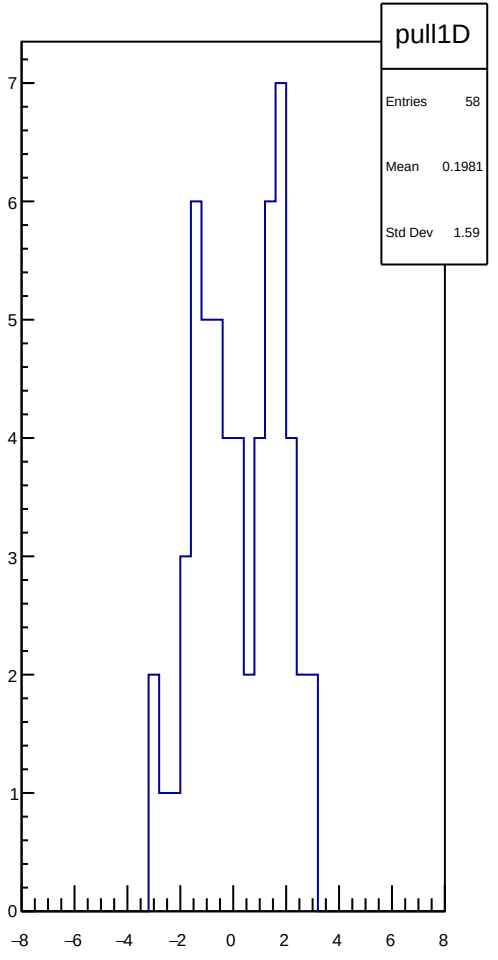

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 138.5 / 57
p0 −16.52 ± 0.8496
pull
Entries 58
Mean 14.29
Std Dev 14.65

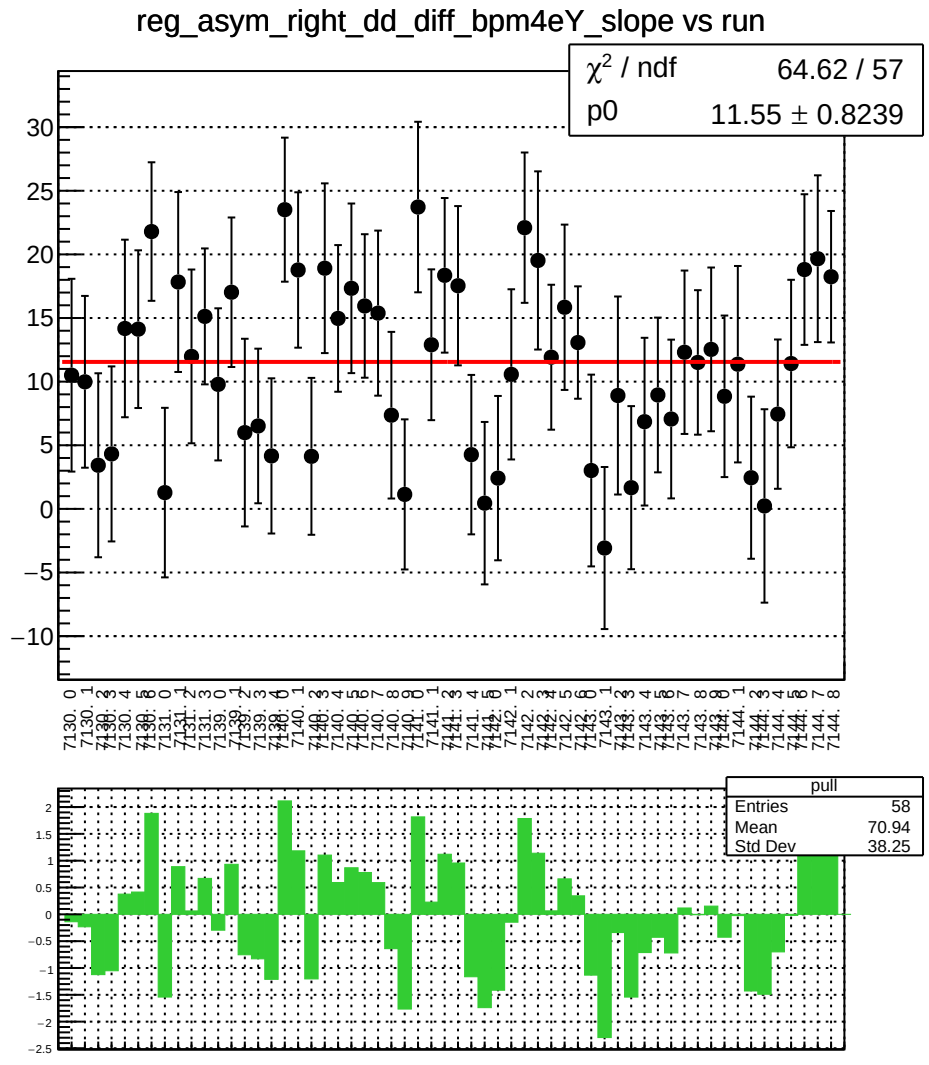

pull1D
Entries 58
Mean −0.1873
Std Dev 1.534

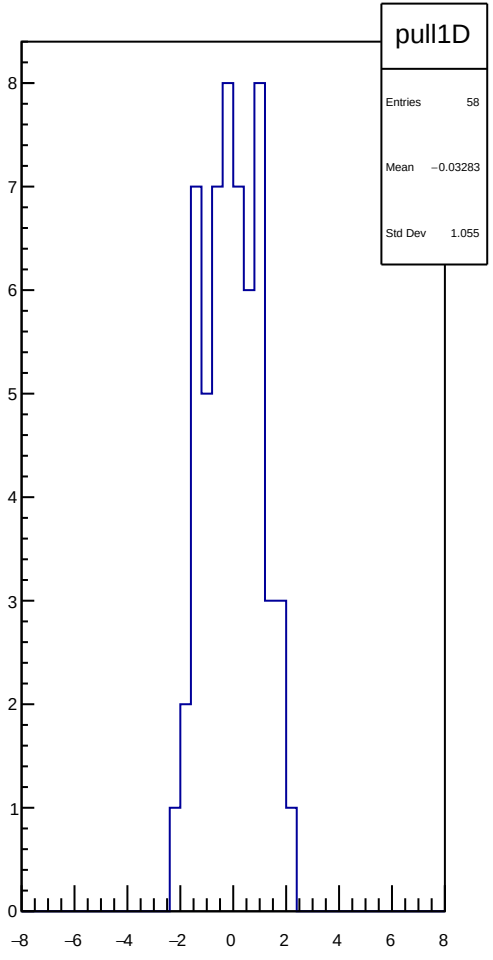

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.44 / 57
p0 −3.138 ± 0.7697
pull
Entries 58
Mean 68.64
Std Dev 40.02

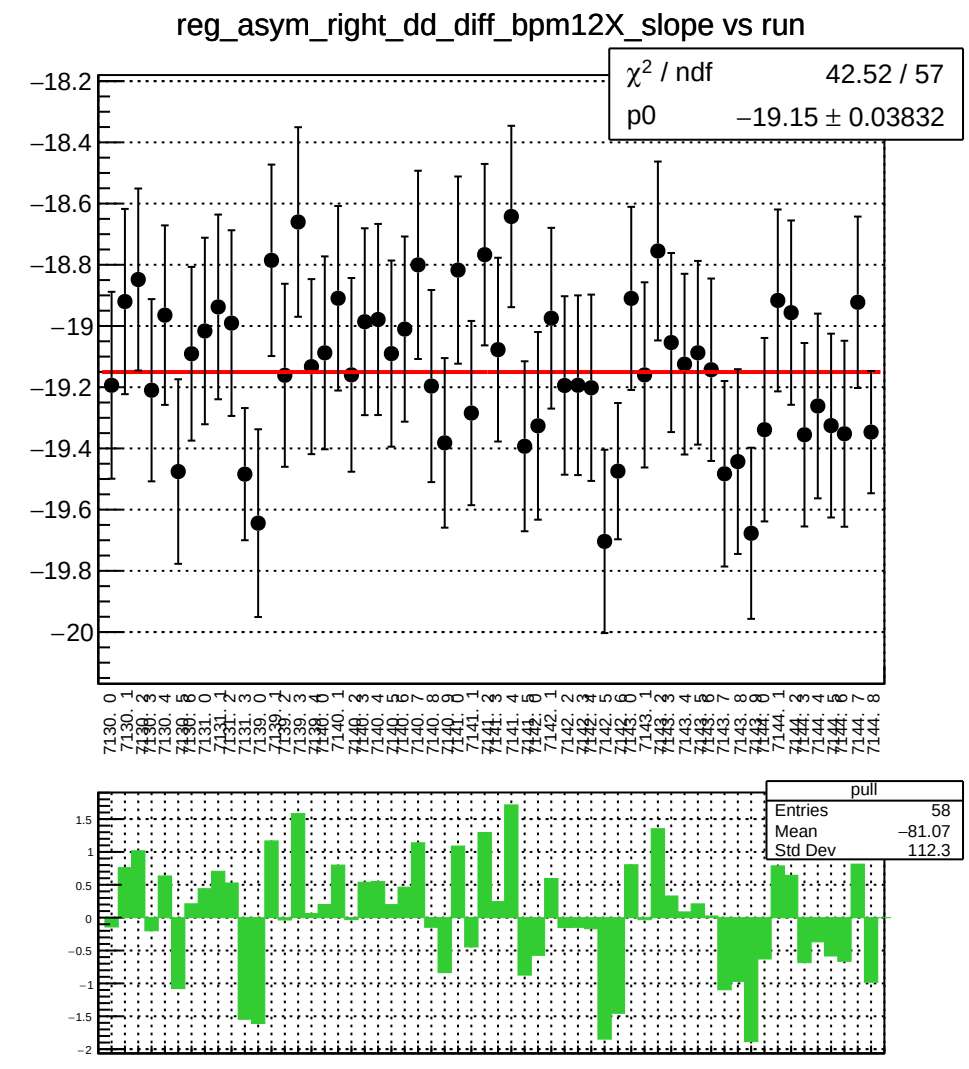

pull1D
Entries 58
Mean 0.02458
Std Dev 1.046

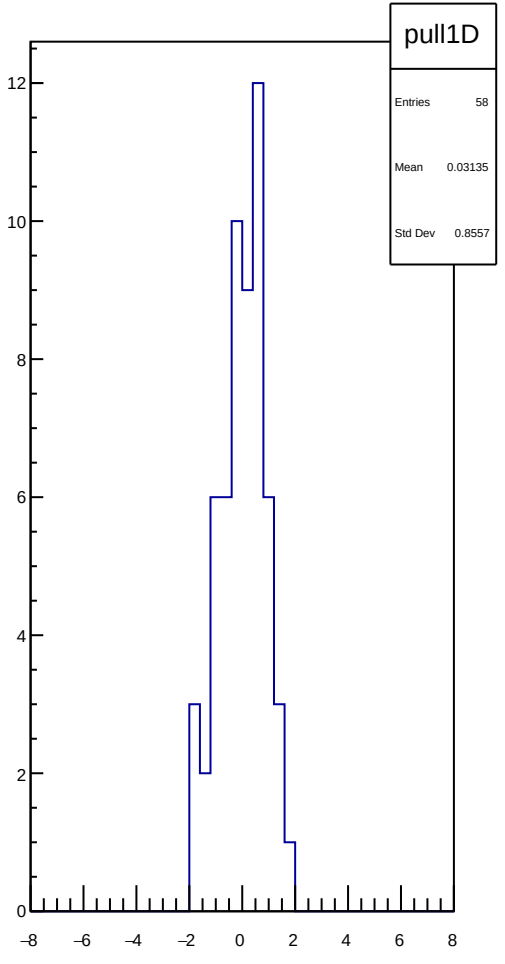

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 148.9 / 57
p0 44.87 ± 0.8649
pull
Entries 58
Mean 13.76
Std Dev 14.82

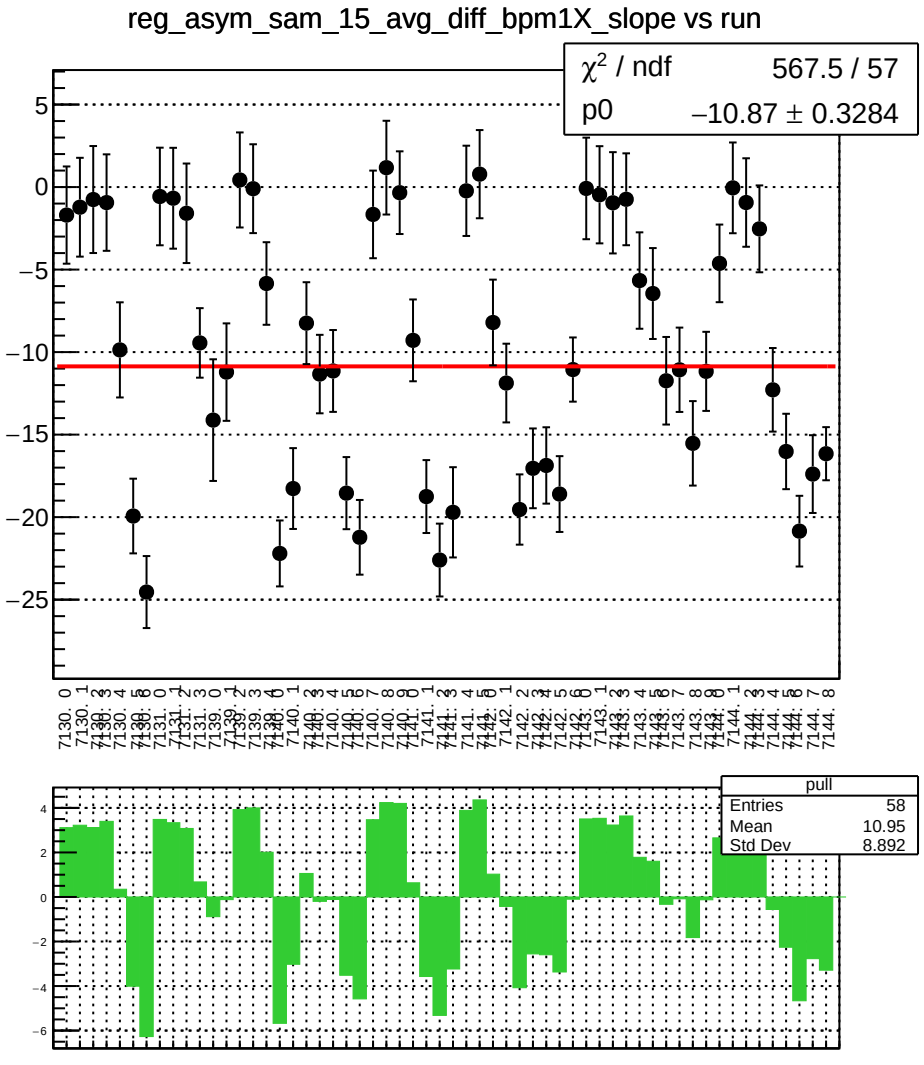

pull1D
Entries 58
Mean 0.1981
Std Dev 1.59

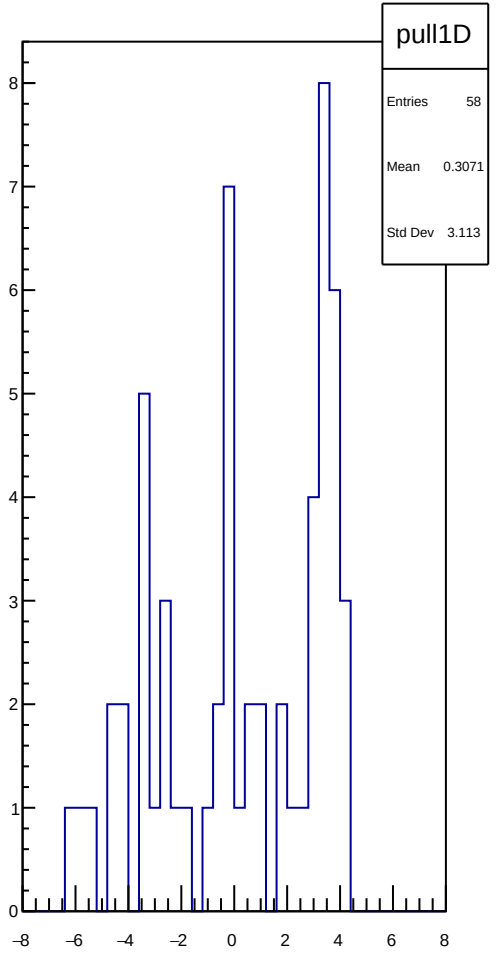

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.62 / 57
p0 11.55 ± 0.8239
pull
Entries 58
Mean 70.94
Std Dev 38.25

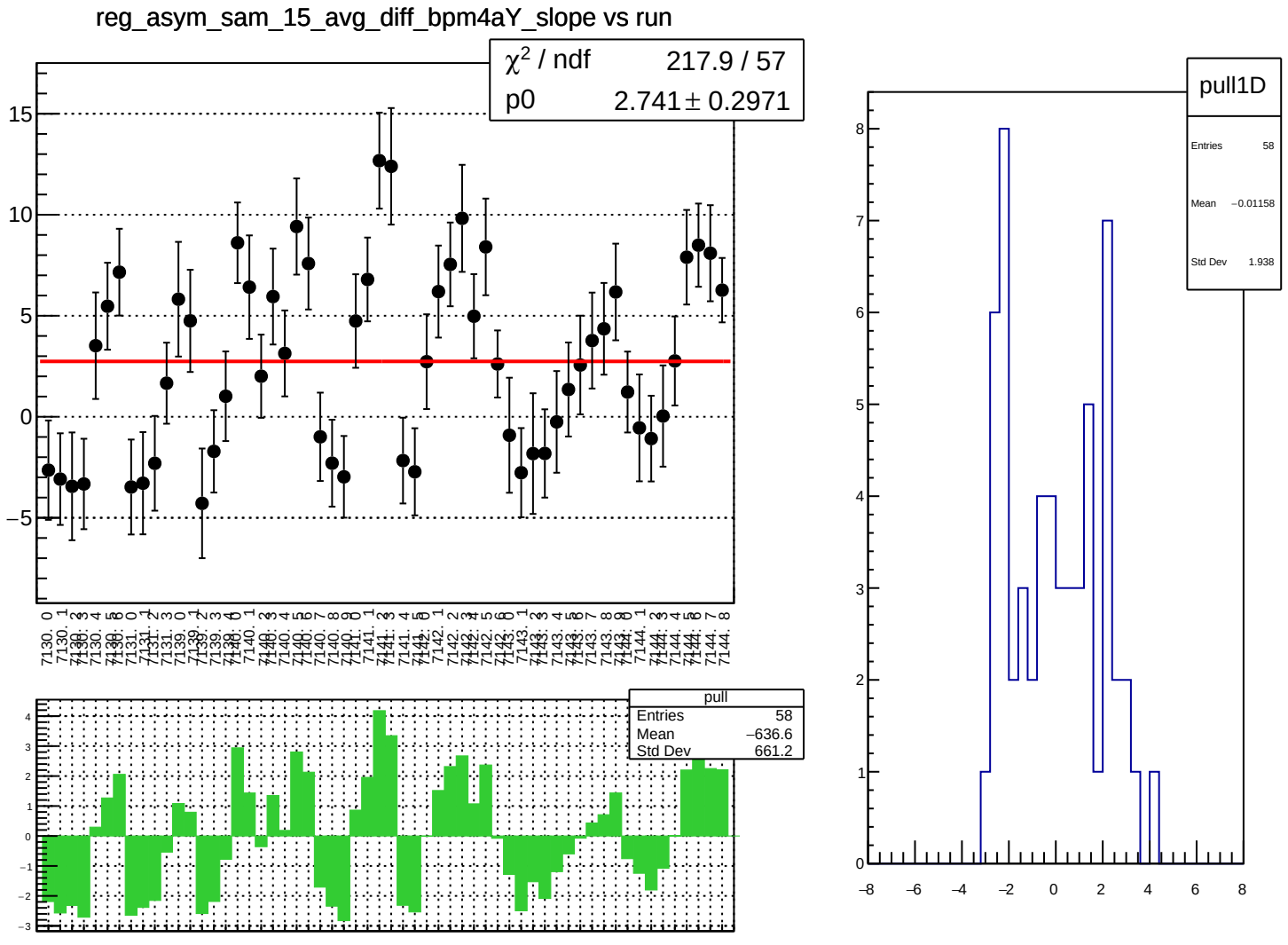

pull1D
Entries 58
Mean −0.03283
Std Dev 1.055

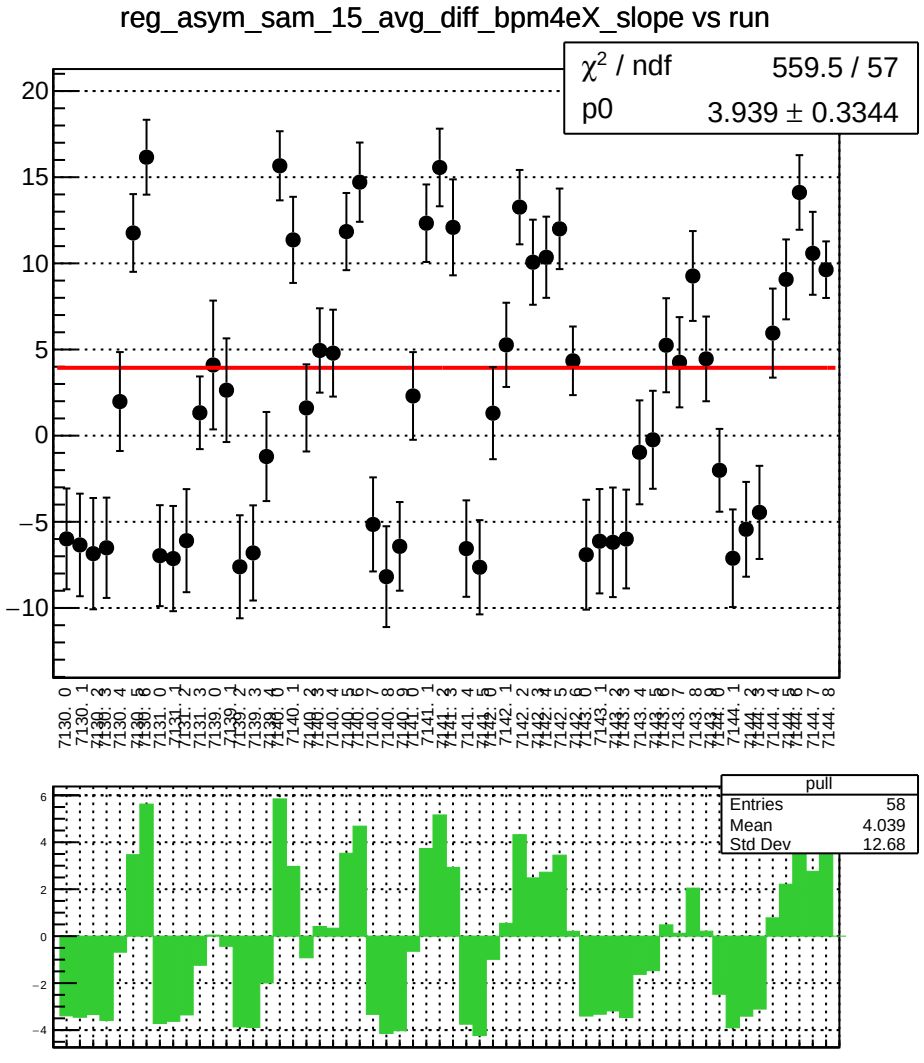

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 42.52 / 57
p0 −19.15 ± 0.03832
pull
Entries 58
Mean −81.07
Std Dev 112.3

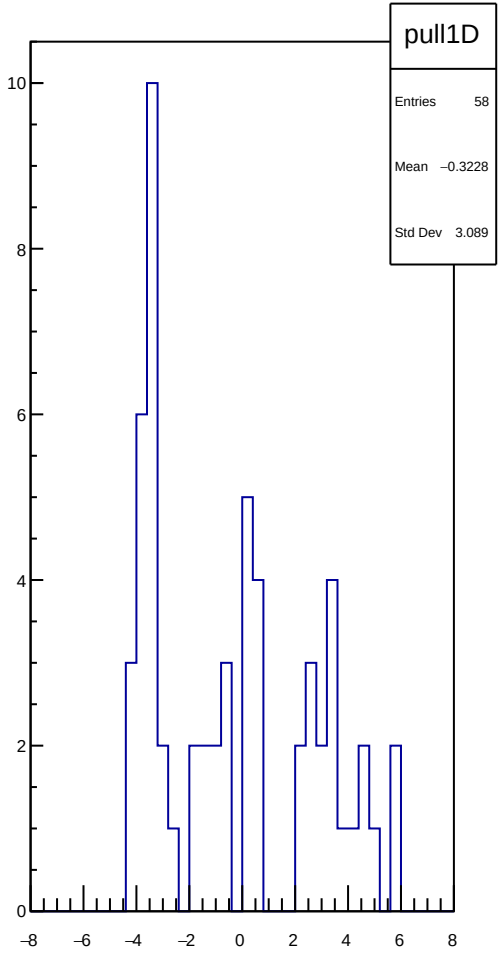

pull1D
Entries 58
Mean 0.03135
Std Dev 0.8557

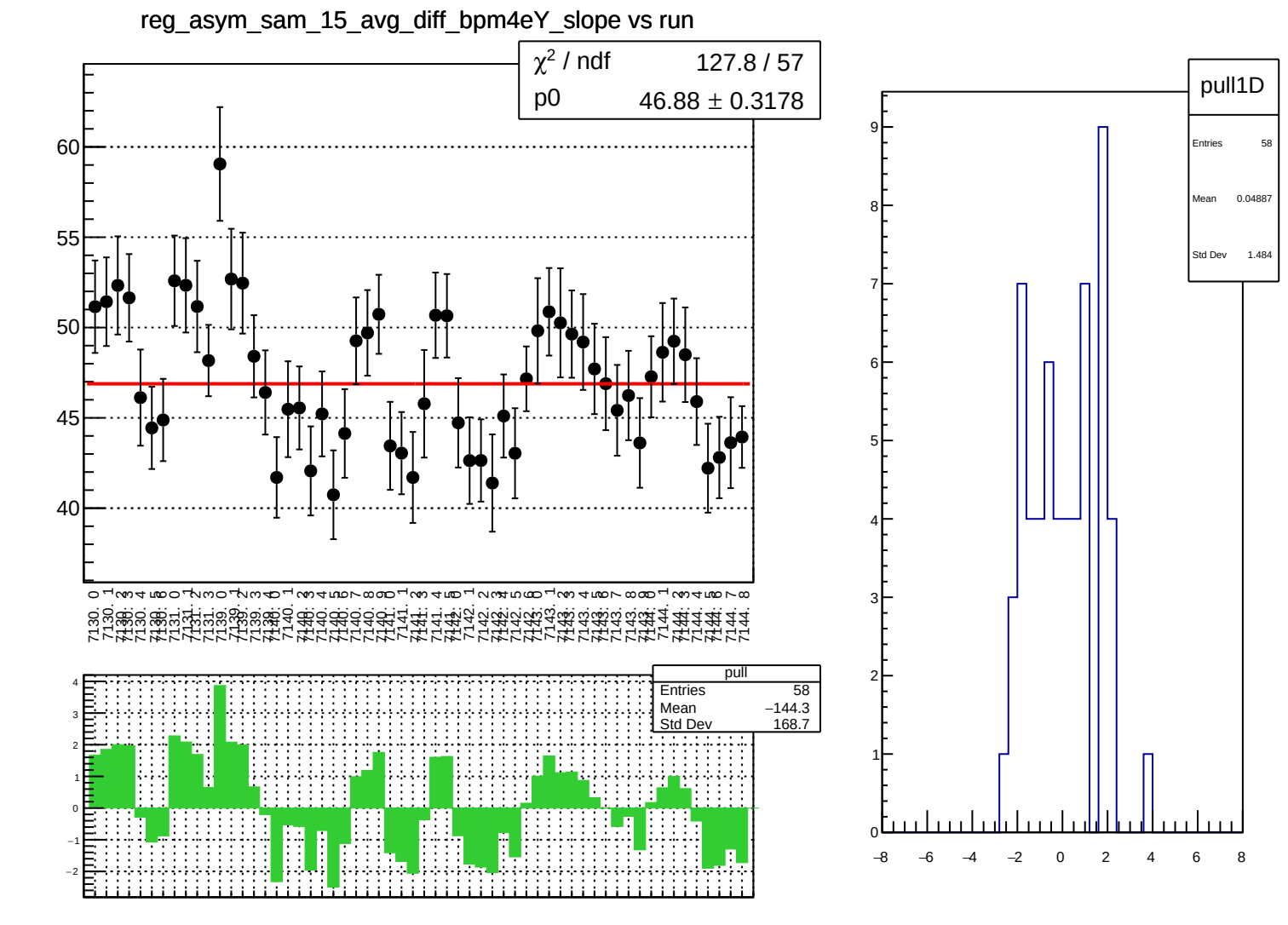

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 567.5 / 57
p0 −10.87 ± 0.3284
pull
Entries 58
Mean 10.95
Std Dev 8.892

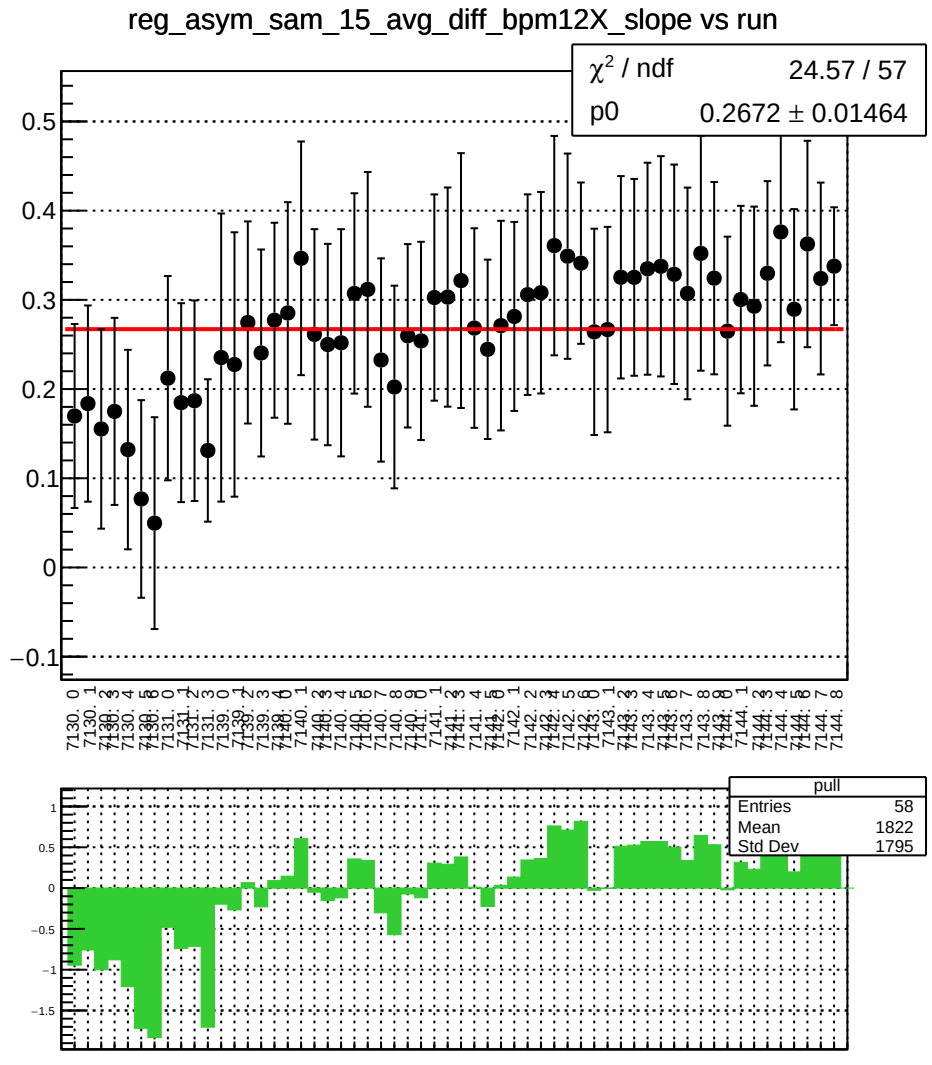

pull1D
Entries 58
Mean 0.3071
Std Dev 3.113

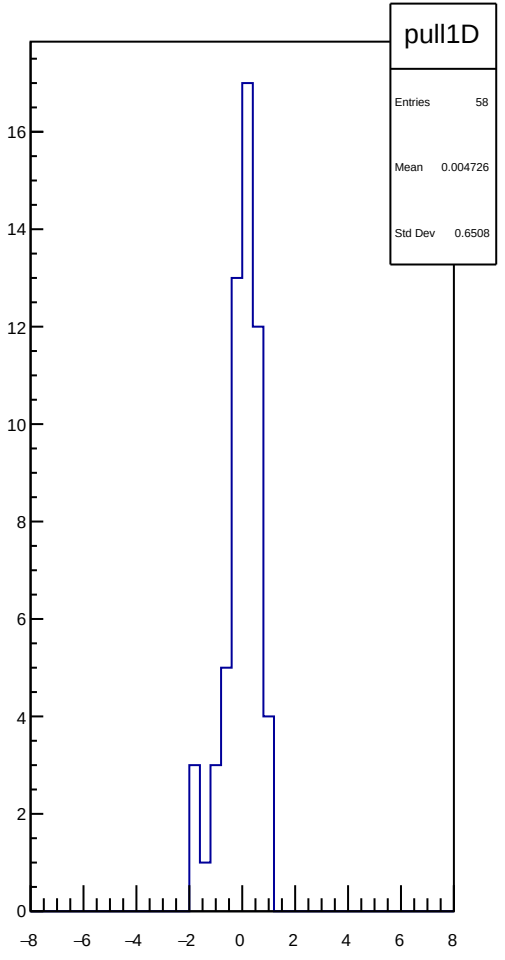

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 217.9 / 57
p0 2.741 ± 0.2971
pull
Entries 58
Mean −636.6
Std Dev 661.2
pull1D
Entries 58
Mean −0.01158
Std Dev 1.938

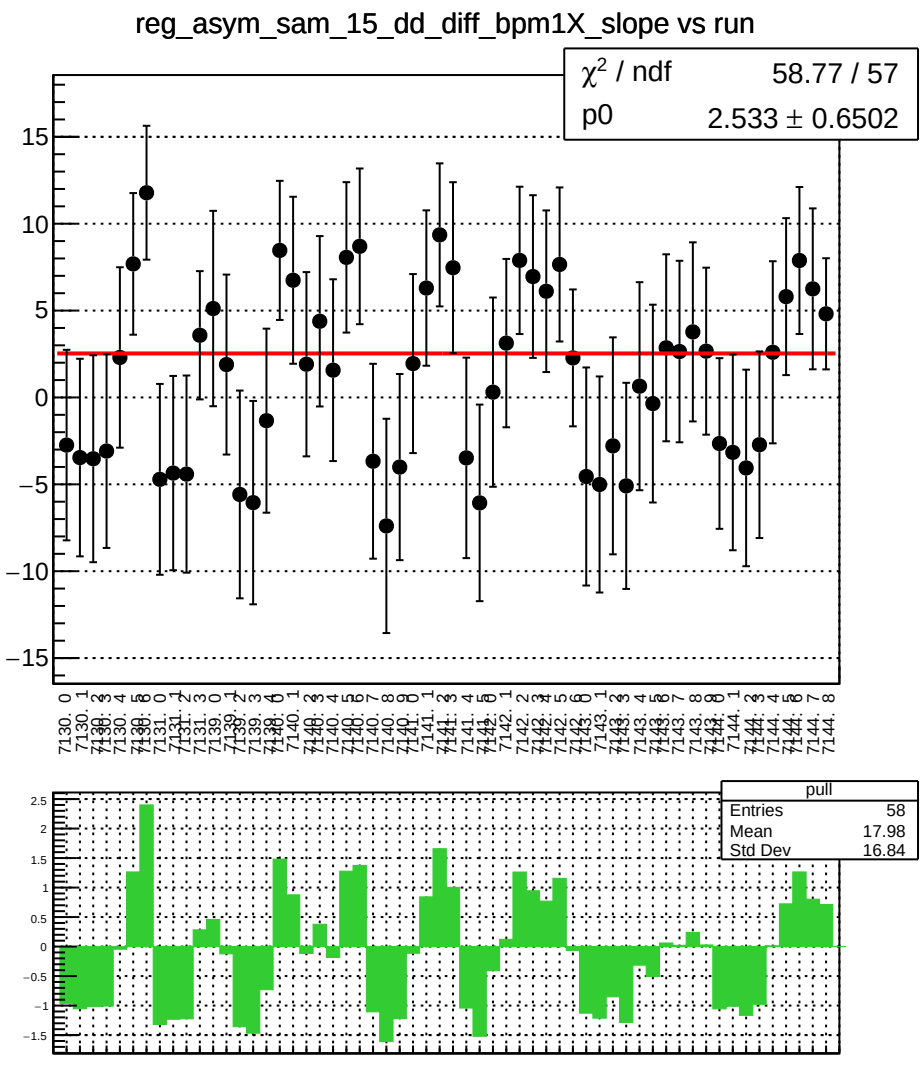

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 559.5 / 57
p0 3.939 ± 0.3344
pull
Entries 58
Mean 4.039
Std Dev 12.68

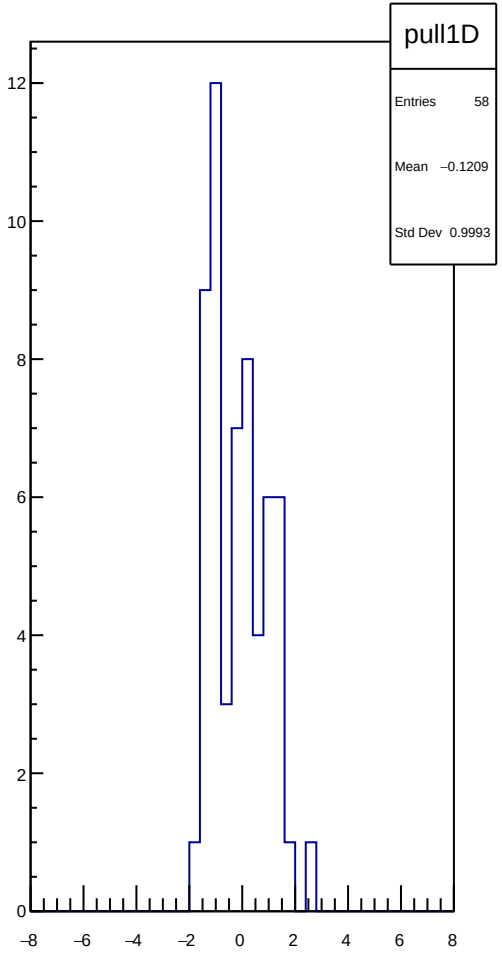

pull1D
Entries 58
Mean −0.3228
Std Dev 3.089

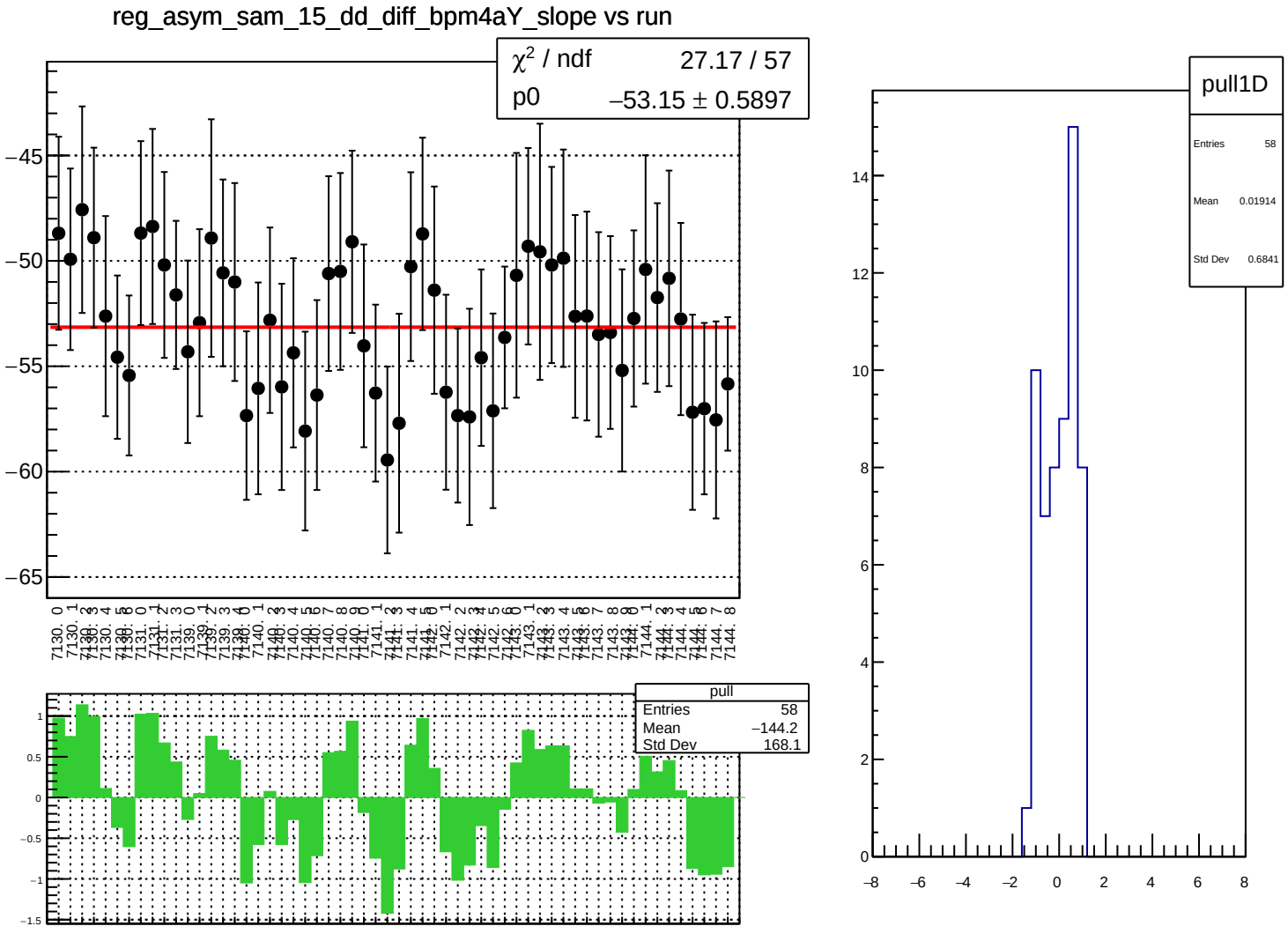

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 127.8 / 57
p0 46.88 ± 0.3178
pull
Entries 58
Mean −144.3
Std Dev 168.7
pull1D
Entries 58
Mean 0.04887
Std Dev 1.484

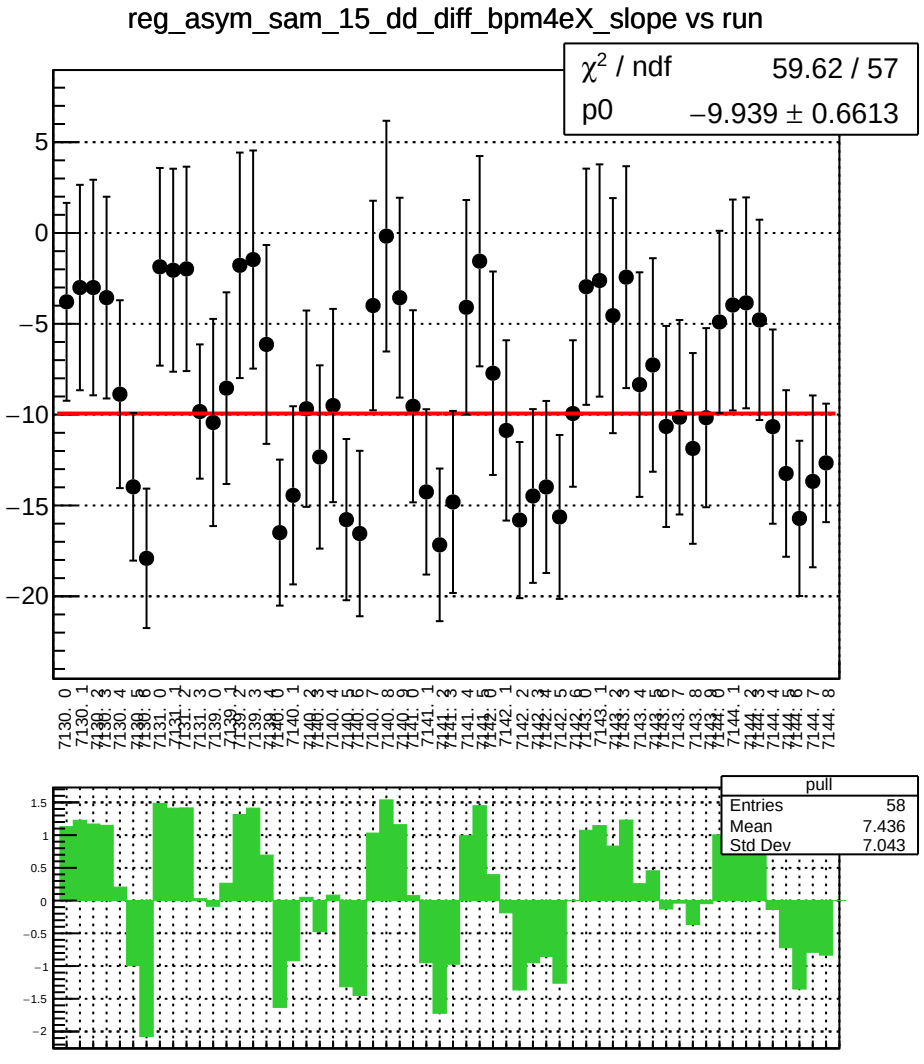

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 24.57 / 57
p0 0.2672 ± 0.01464
pull
Entries 58
Mean 1822
Std Dev 1795

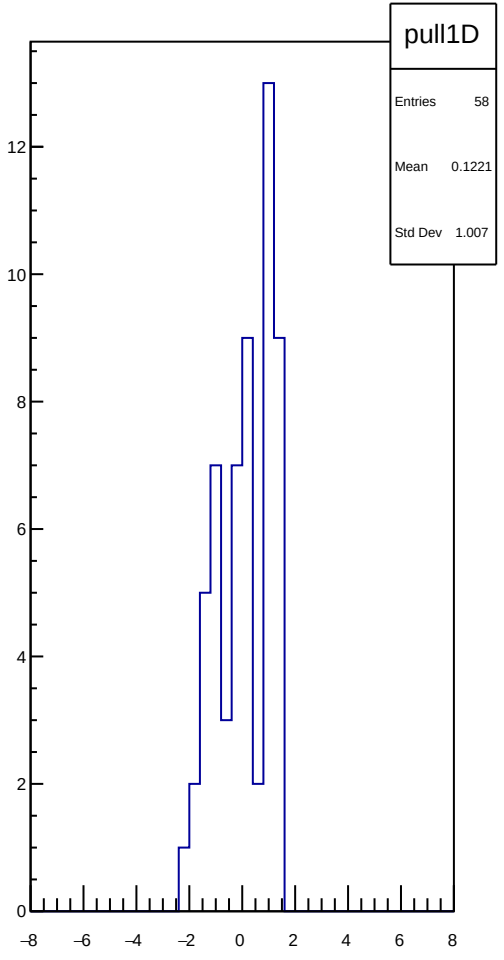

pull1D
Entries 58
Mean 0.004726
Std Dev 0.6508

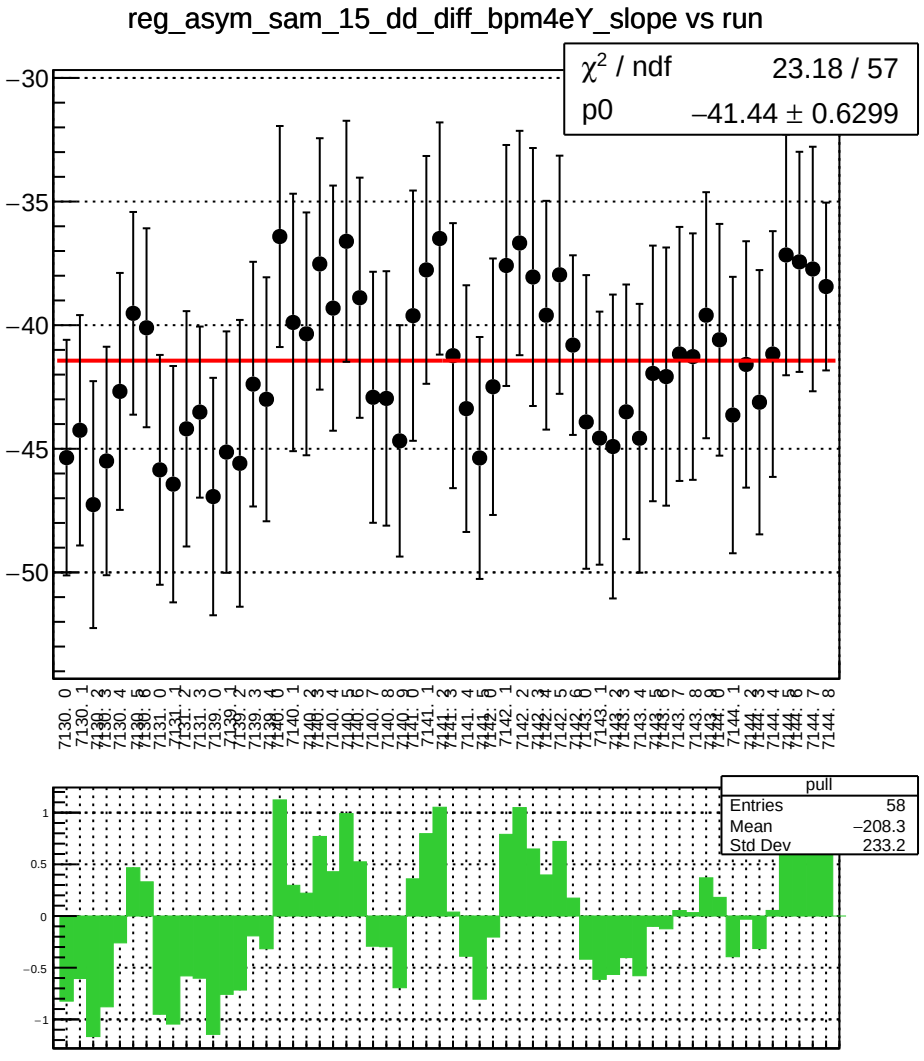

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 58.77 / 57
p0 2.533 ± 0.6502
pull
Entries 58
Mean 17.98
Std Dev 16.84

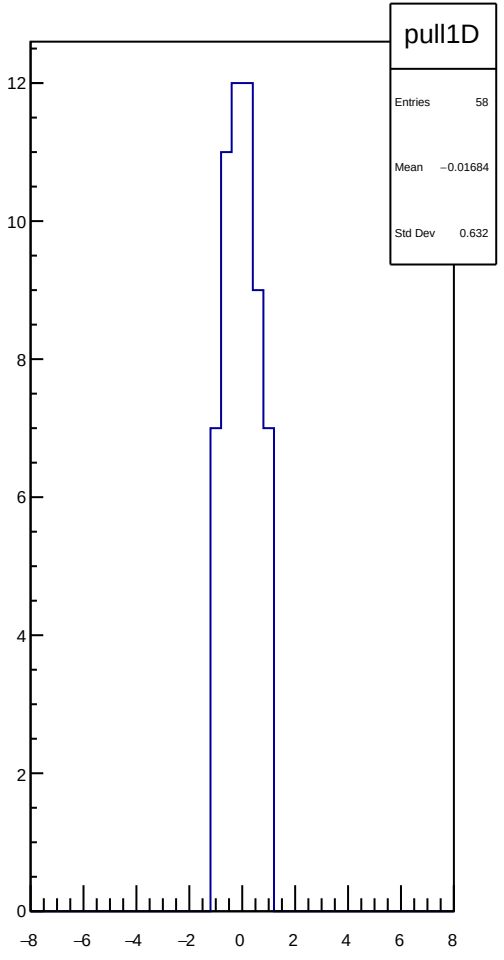

pull1D
Entries 58
Mean −0.1209
Std Dev 0.9993

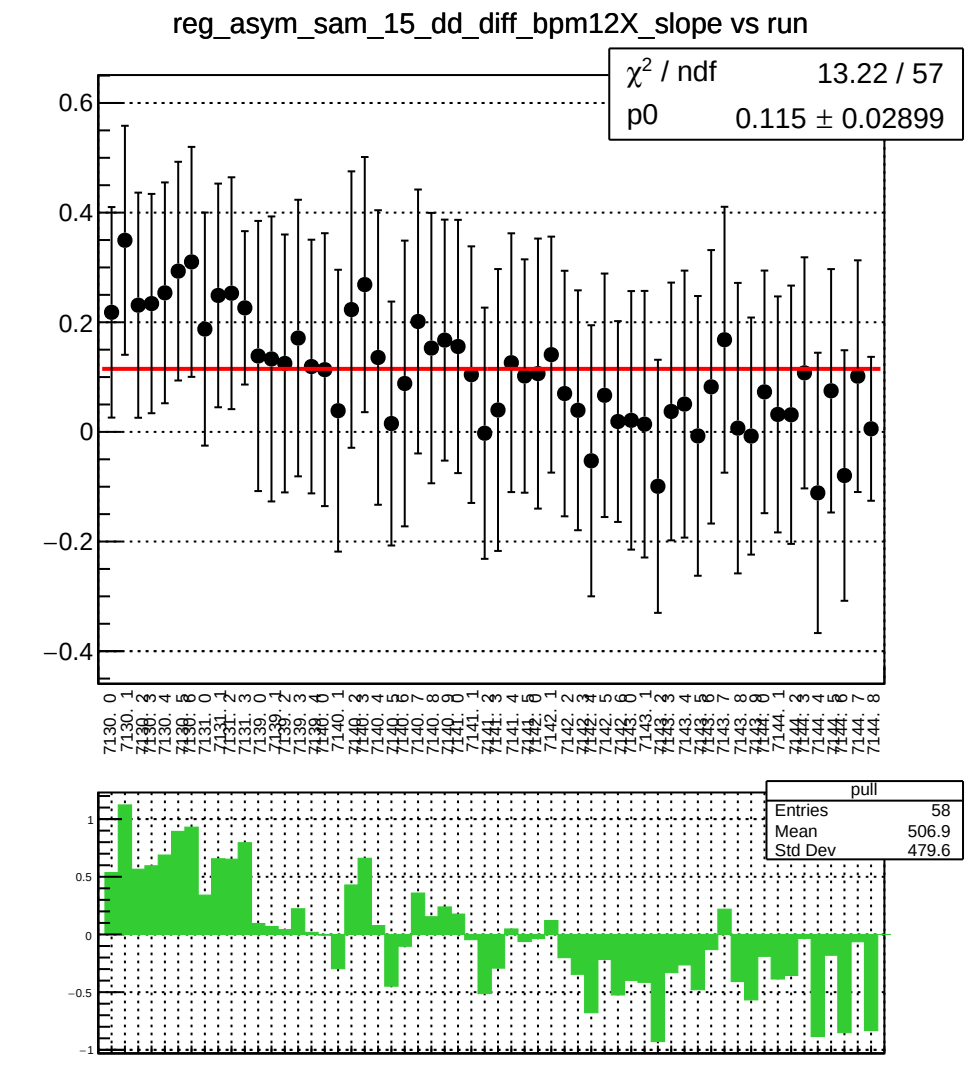

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.17 / 57
p0 −53.15 ± 0.5897
−45
−50
−55
−60
−65
pull
Entries 58
Mean −144.2
Std Dev 168.1
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 58
Mean 0.01914
Std Dev 0.6841
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

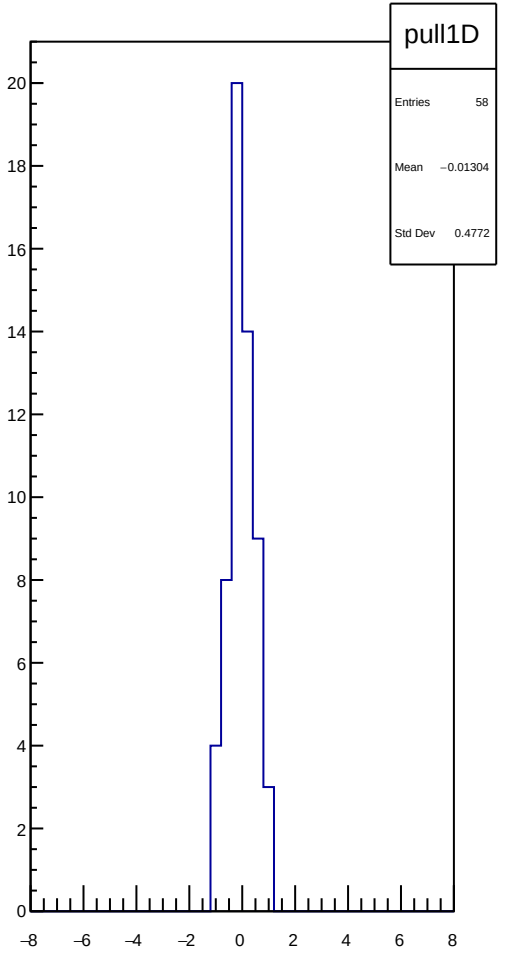

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.62 / 57
p0 −9.939 ± 0.6613
pull
Entries 58
Mean 7.436
Std Dev 7.043

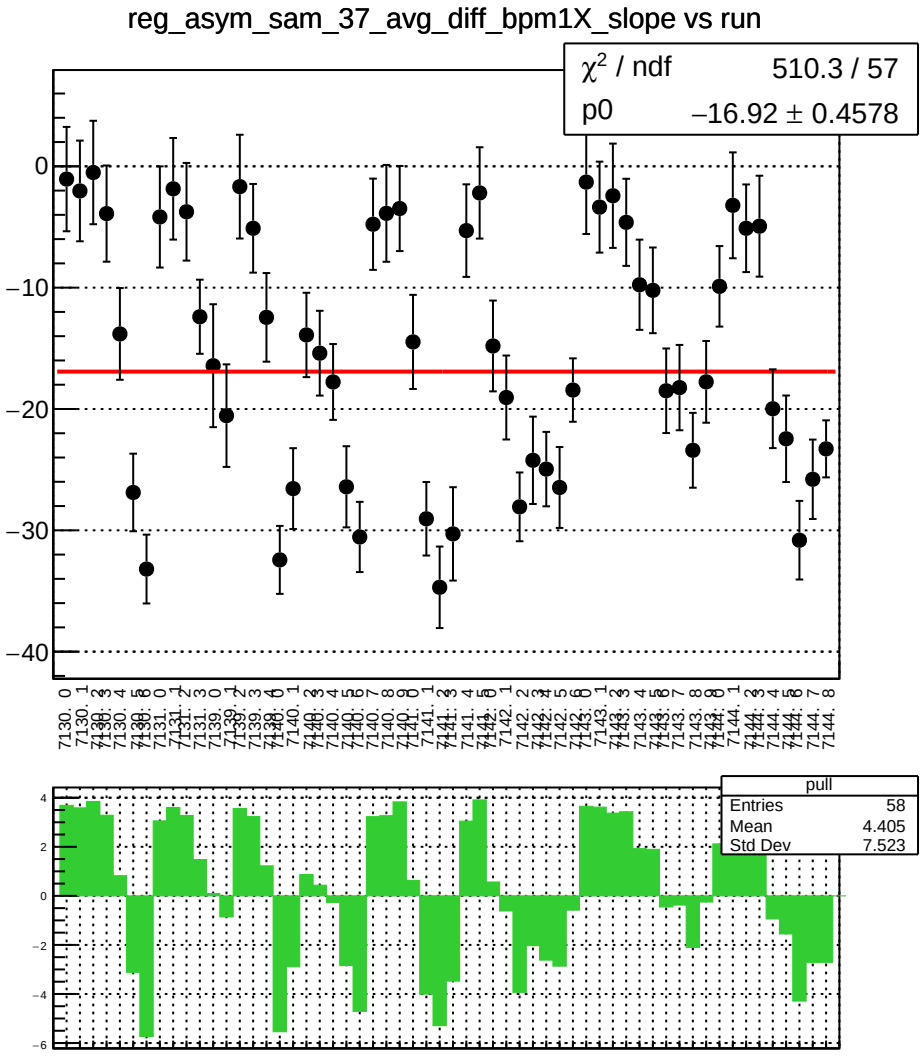

pull1D
Entries 58
Mean 0.1221
Std Dev 1.007

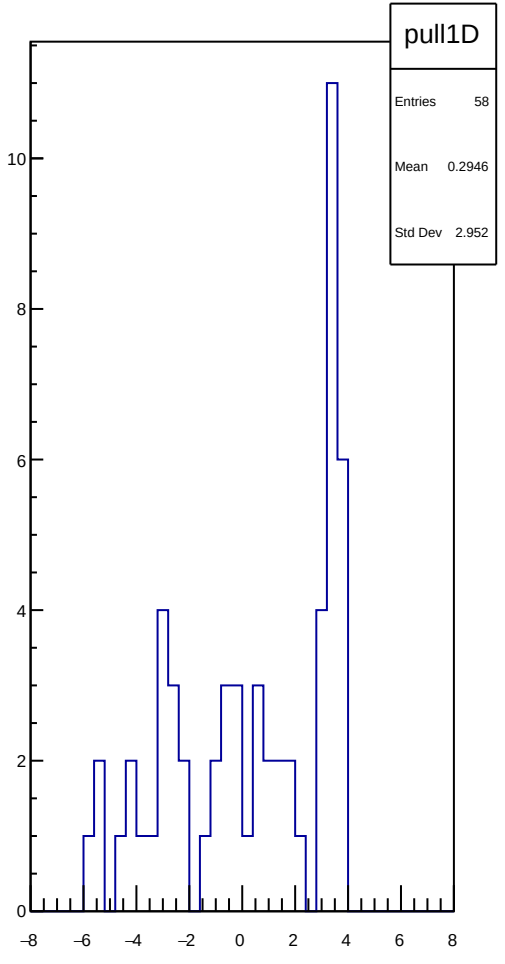

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.18 / 57
p0 −41.44 ± 0.6299
pull
Entries 58
Mean −208.3
Std Dev 233.2

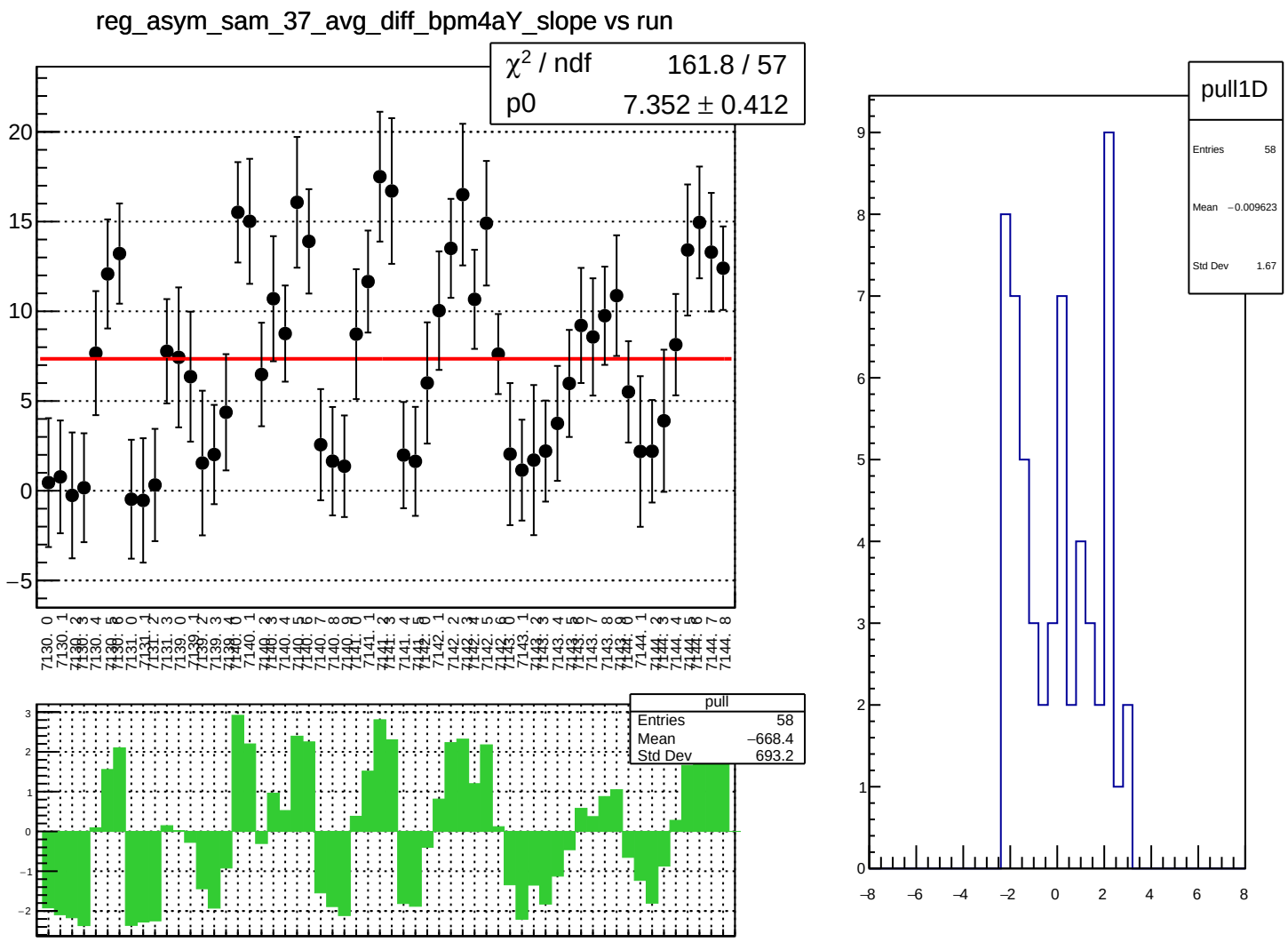

pull1D
Entries 58
Mean −0.01684
Std Dev 0.632

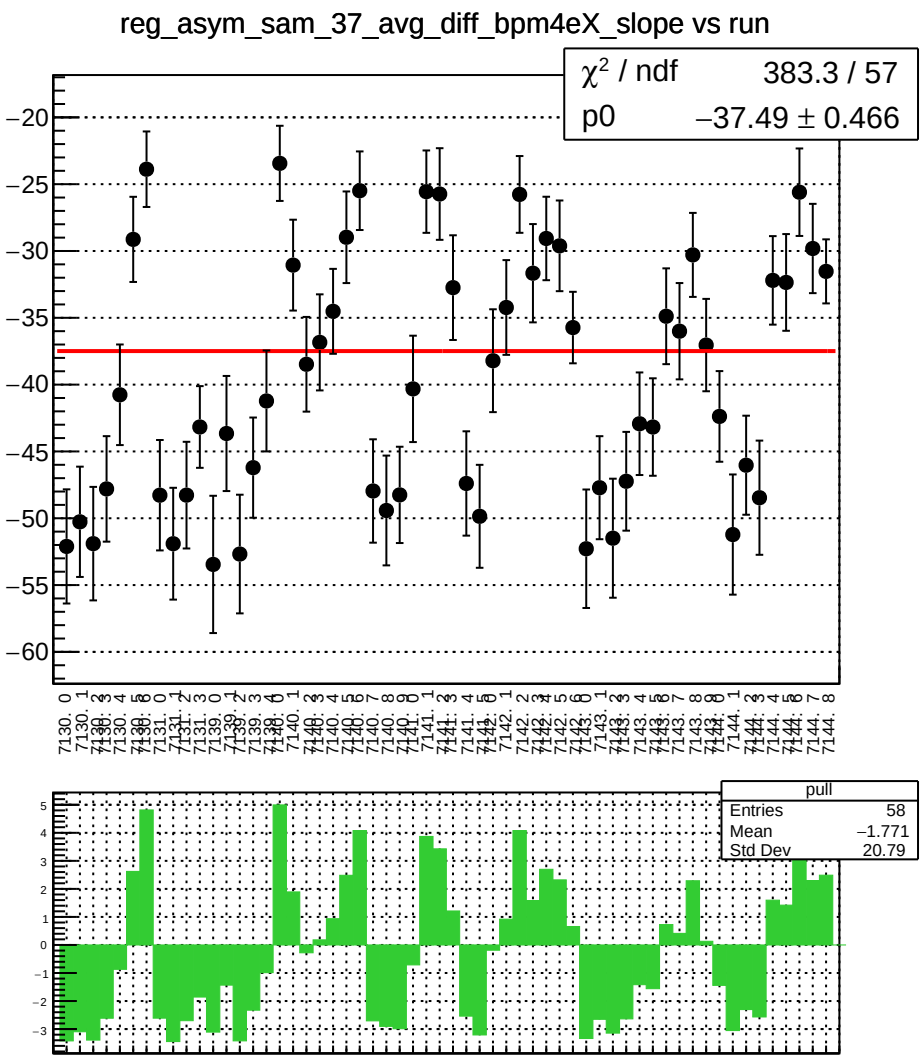

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 13.22 / 57
p0 0.115 ± 0.02899
pull
Entries 58
Mean 506.9
Std Dev 479.6

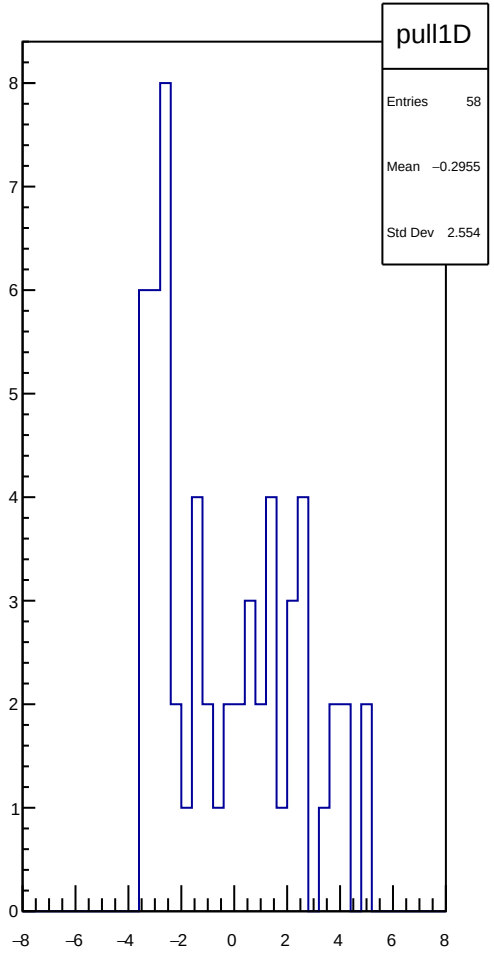

pull1D
Entries 58
Mean −0.01304
Std Dev 0.4772

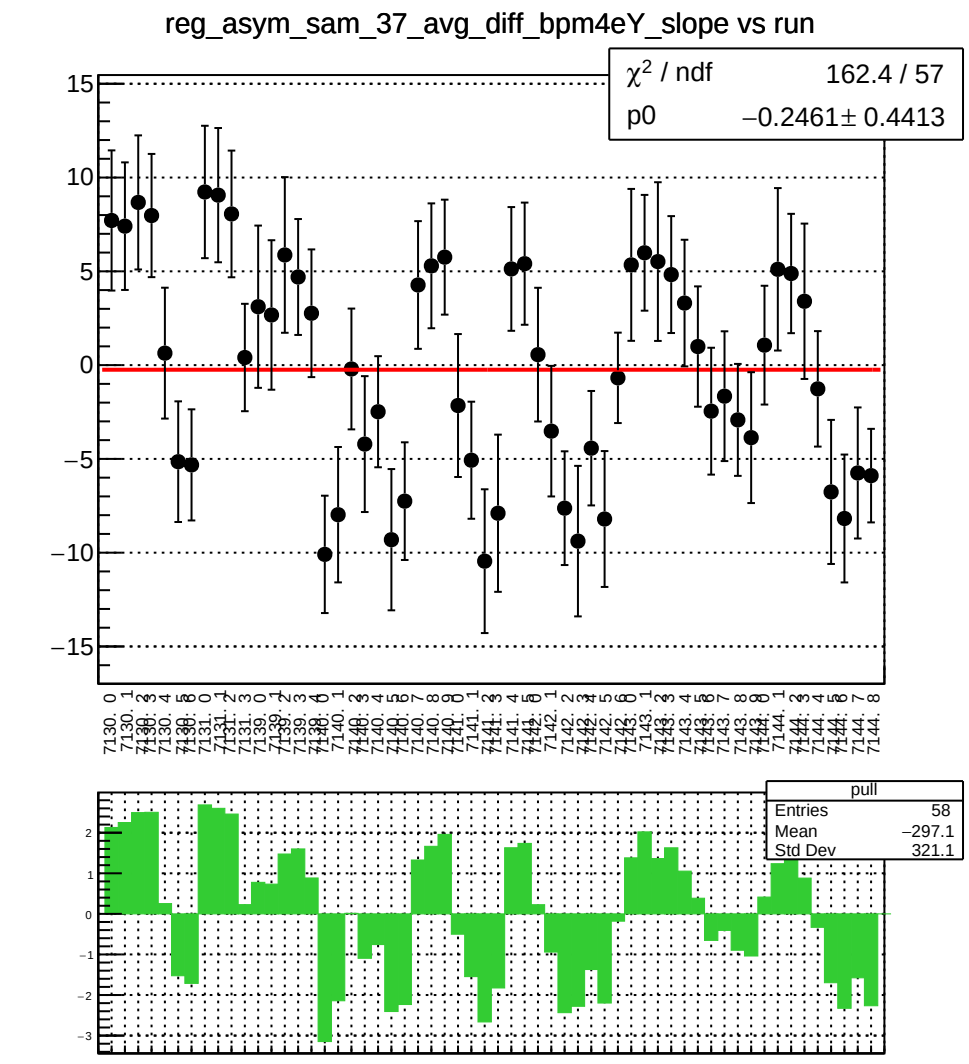

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 510.3 / 57
p0 −16.92 ± 0.4578
pull
Entries 58
Mean 4.405
Std Dev 7.523

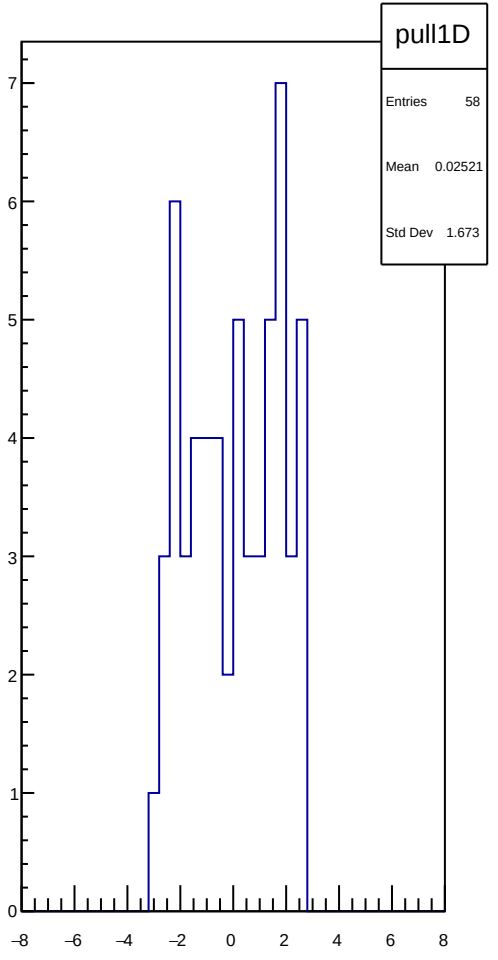

pull1D
Entries 58
Mean 0.2946
Std Dev 2.952

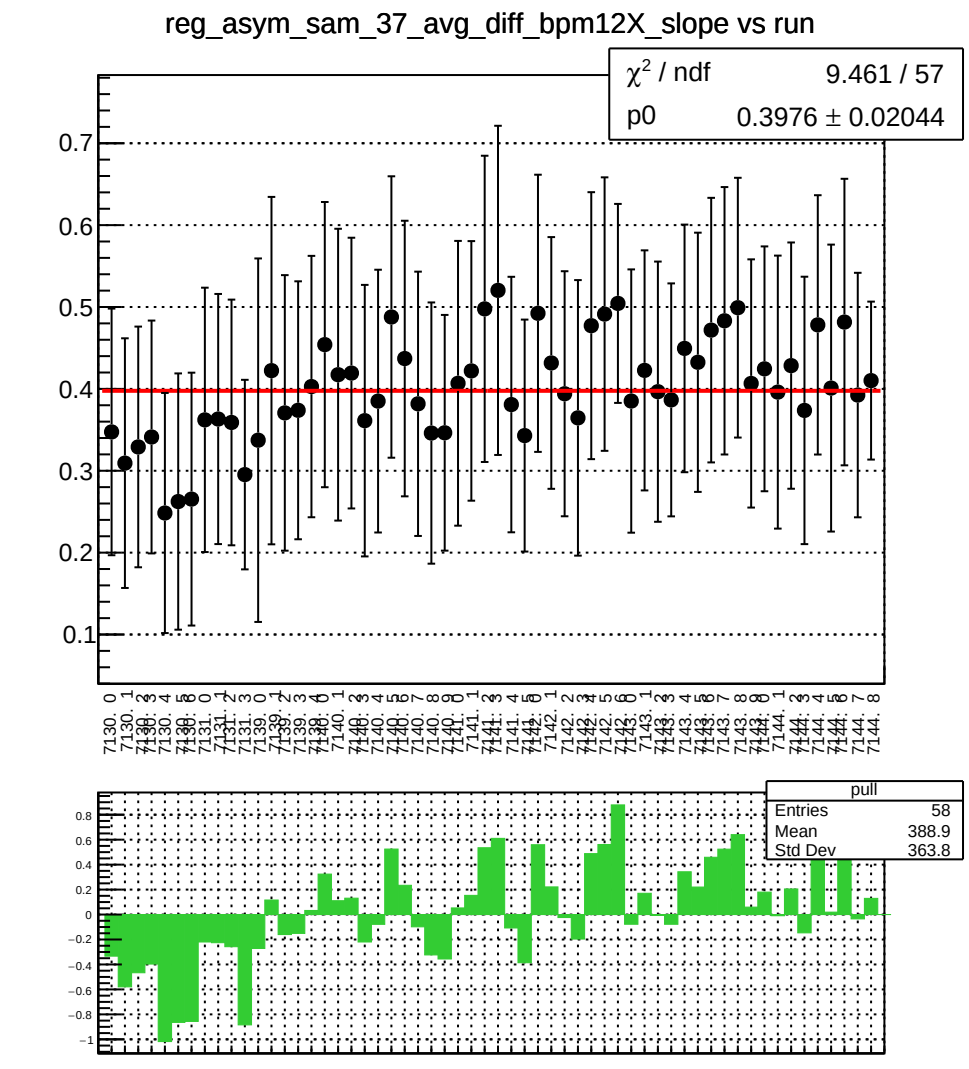

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 161.8 / 57
p0 7.352 ± 0.412
pull
Entries 58
Mean −668.4
Std Dev 693.2
pull1D
Entries 58
Mean −0.009623
Std Dev 1.67

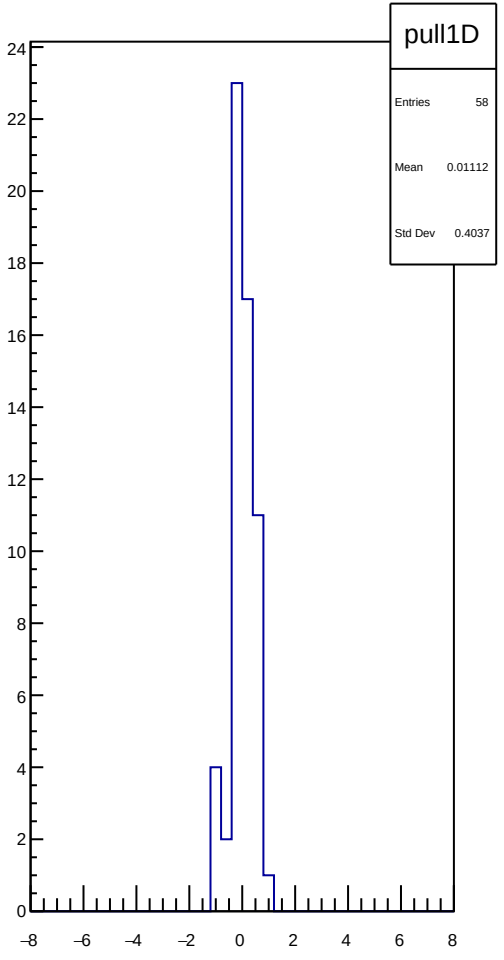

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 383.3 / 57
p0 −37.49 ± 0.466
pull
Entries 58
Mean −1.771
Std Dev 20.79

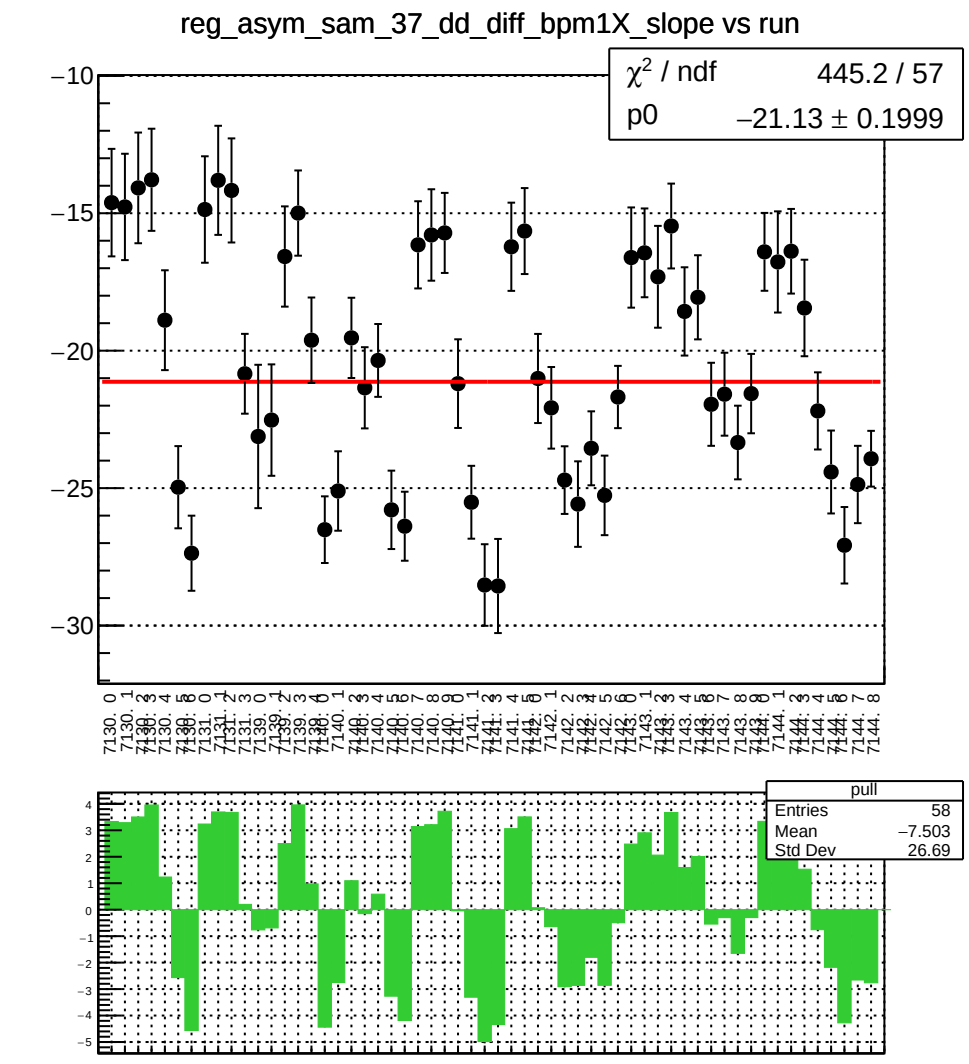

pull1D
Entries 58
Mean −0.2955
Std Dev 2.554

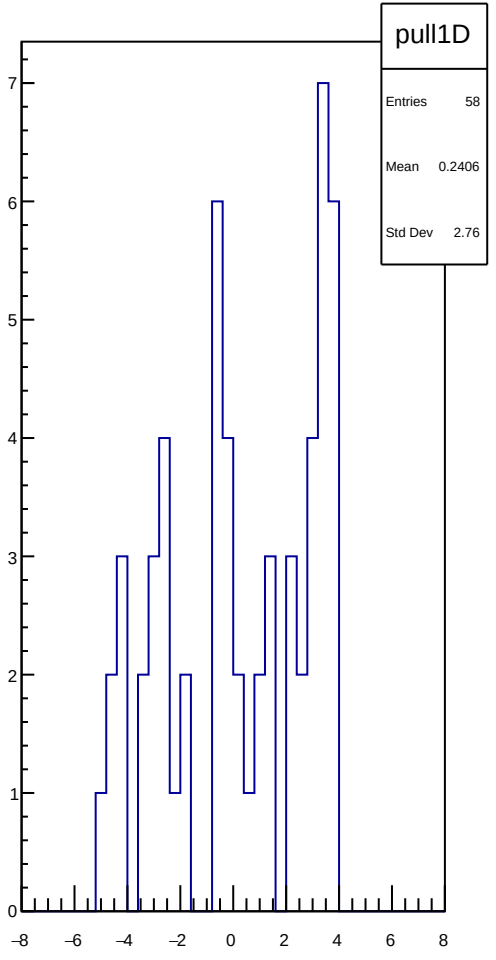

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 162.4 / 57
p0 −0.2461± 0.4413
pull
Entries 58
Mean −297.1
Std Dev 321.1

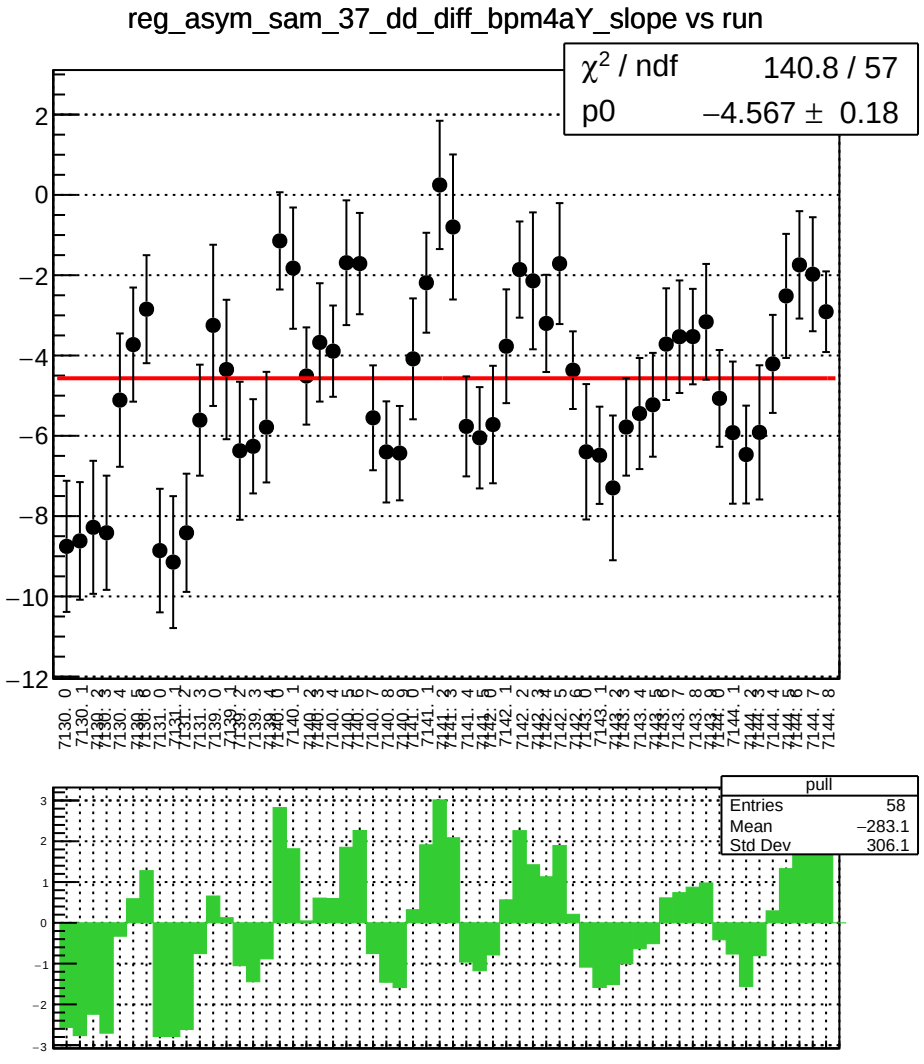

pull1D
Entries 58
Mean 0.02521
Std Dev 1.673

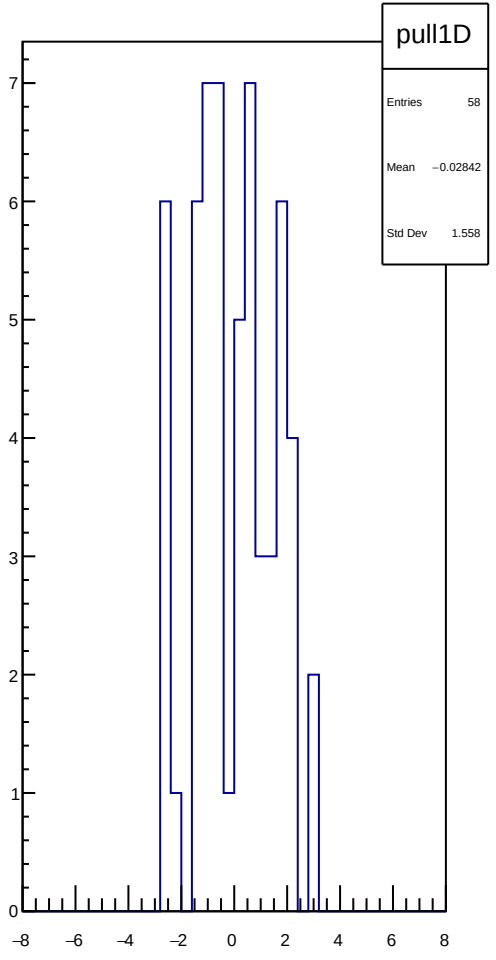

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 9.461 / 57
p0 0.3976 ± 0.02044
pull
Entries 58
Mean 388.9
Std Dev 363.8

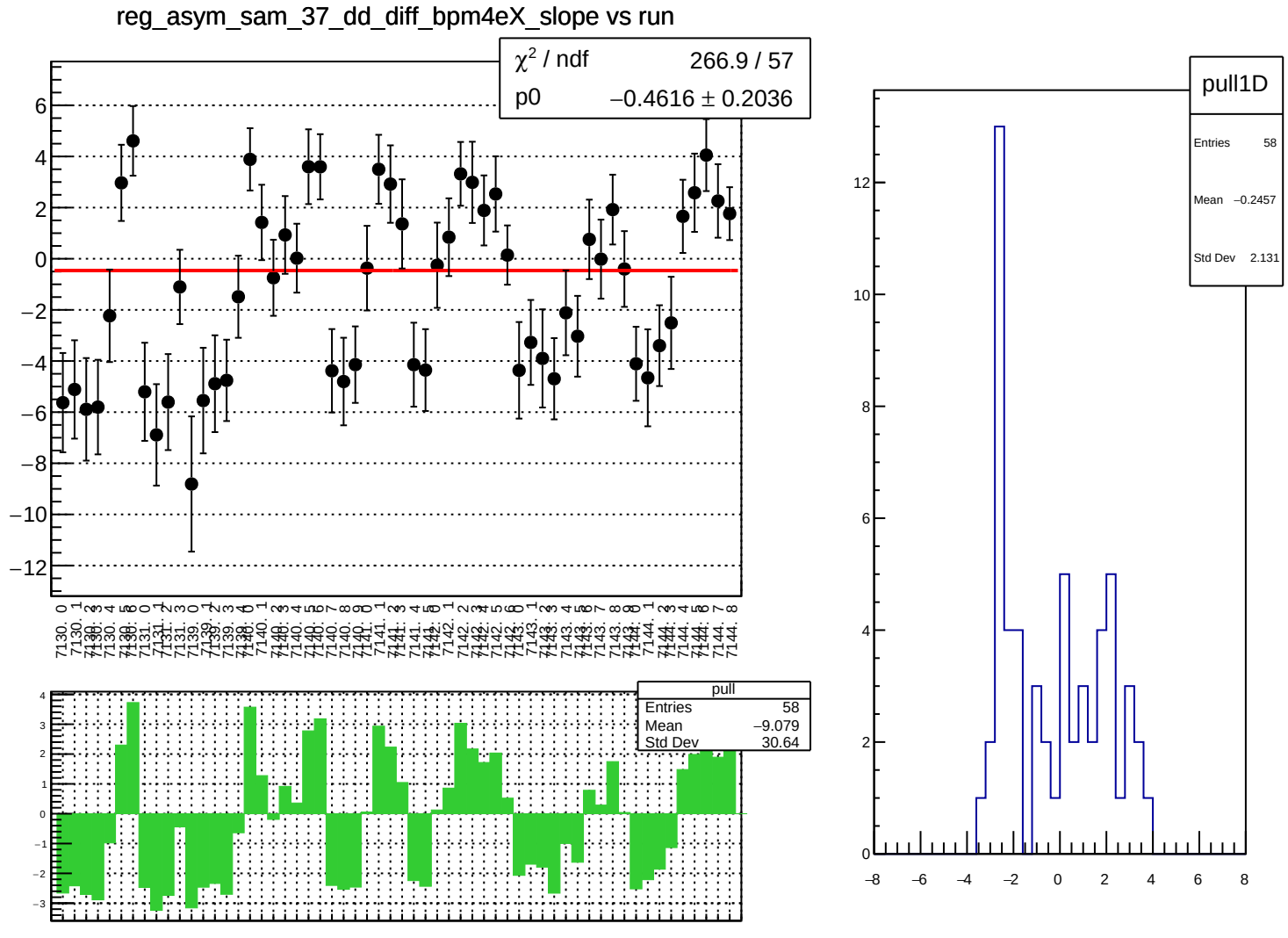

pull1D
Entries 58
Mean 0.01112
Std Dev 0.4037

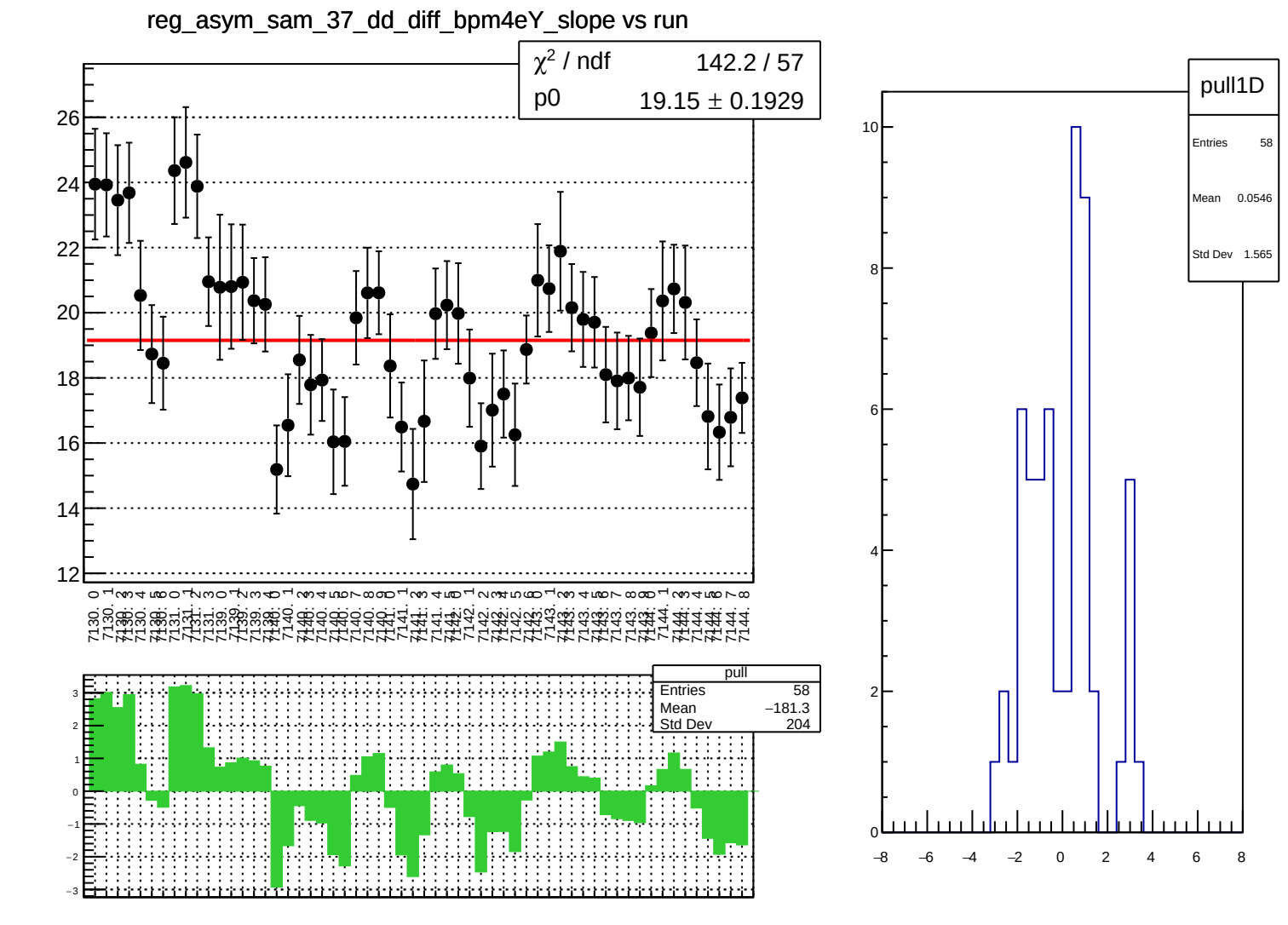

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 445.2 / 57
p0 −21.13 ± 0.1999
−10
−15
−20
−25
−30
pull
Entries 58
Mean −7.503
Std Dev 26.69

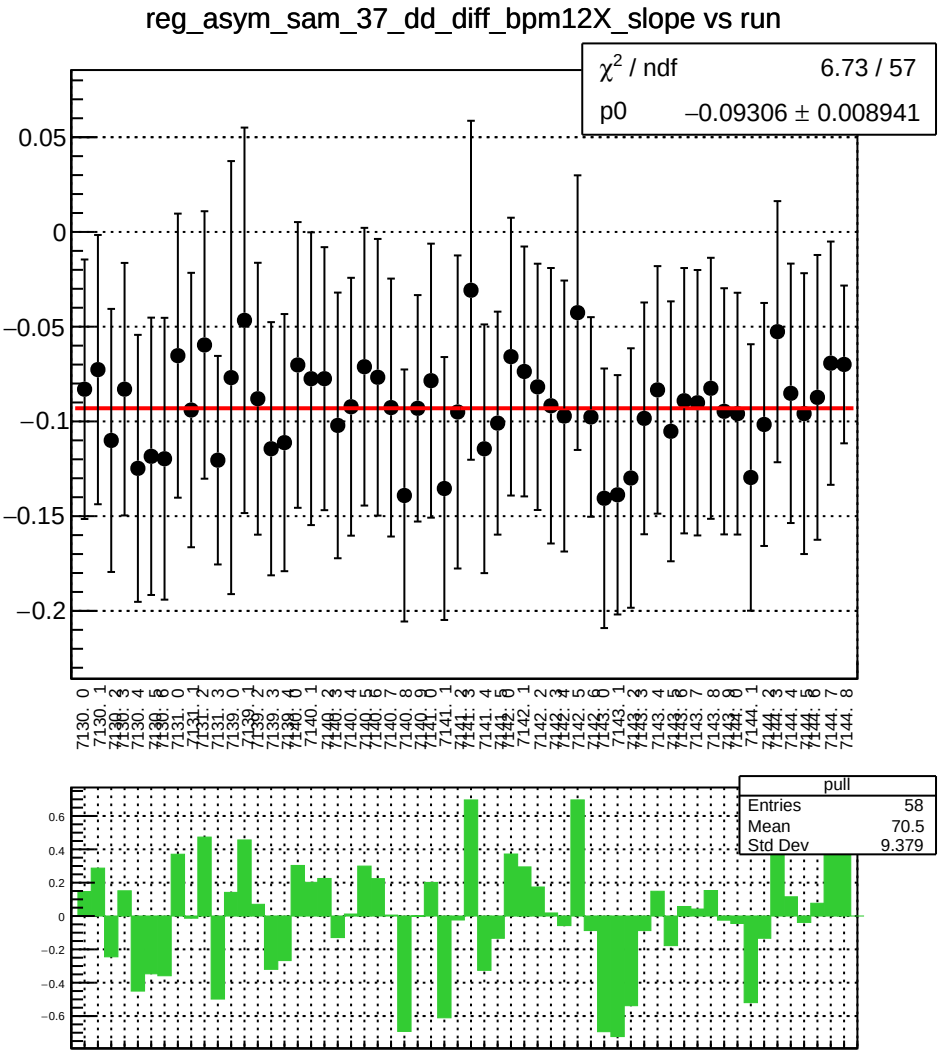

pull1D
Entries 58
Mean 0.2406
Std Dev 2.76

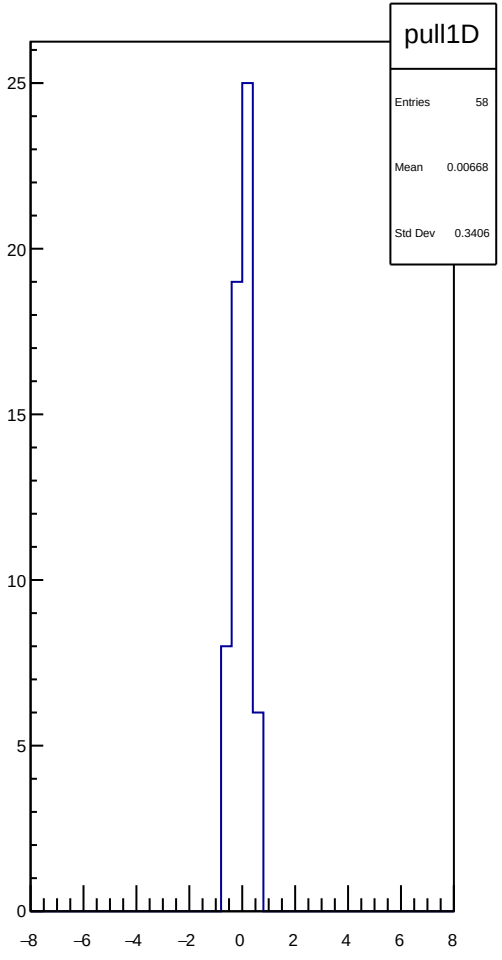

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 140.8 / 57
p0 −4.567 ± 0.18
pull
Entries 58
Mean −283.1
Std Dev 306.1

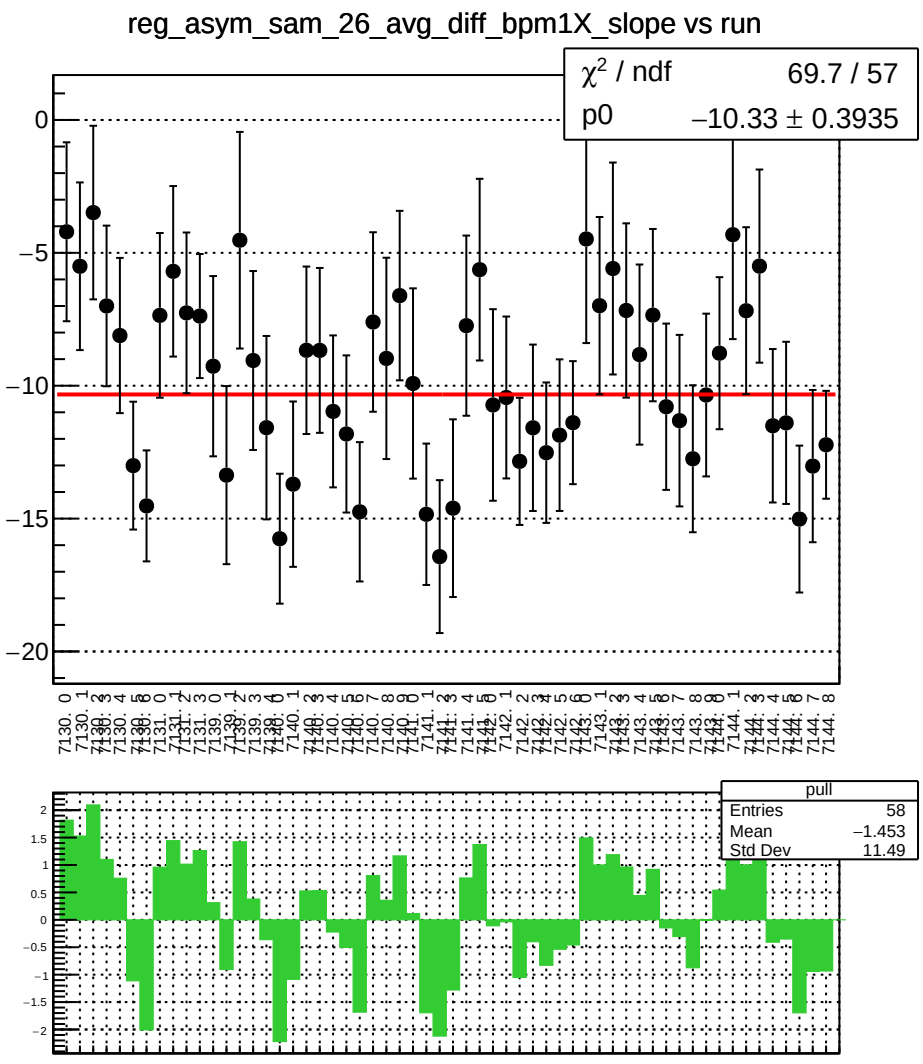

pull1D
Entries 58
Mean −0.02842
Std Dev 1.558

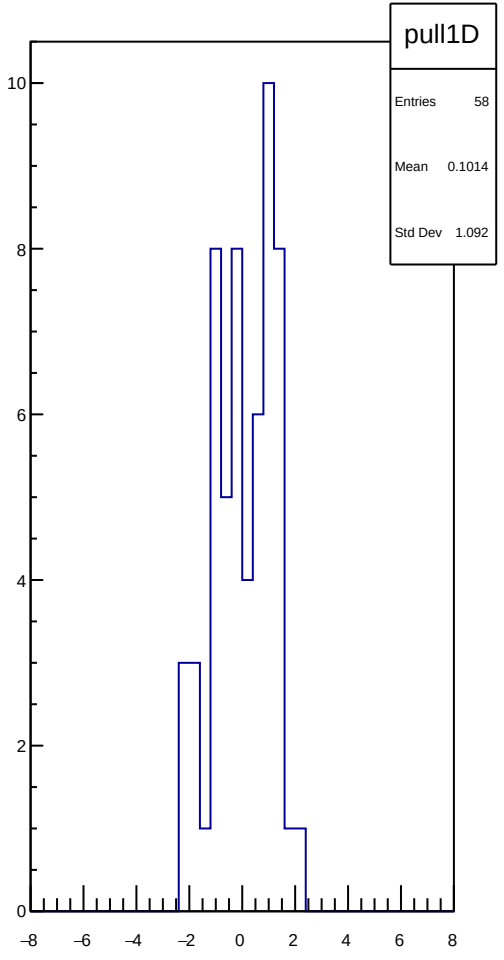

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 266.9 / 57
p0 −0.4616 ± 0.2036
pull
Entries 58
Mean −9.079
Std Dev 30.64
pull1D
Entries 58
Mean −0.2457
Std Dev 2.131

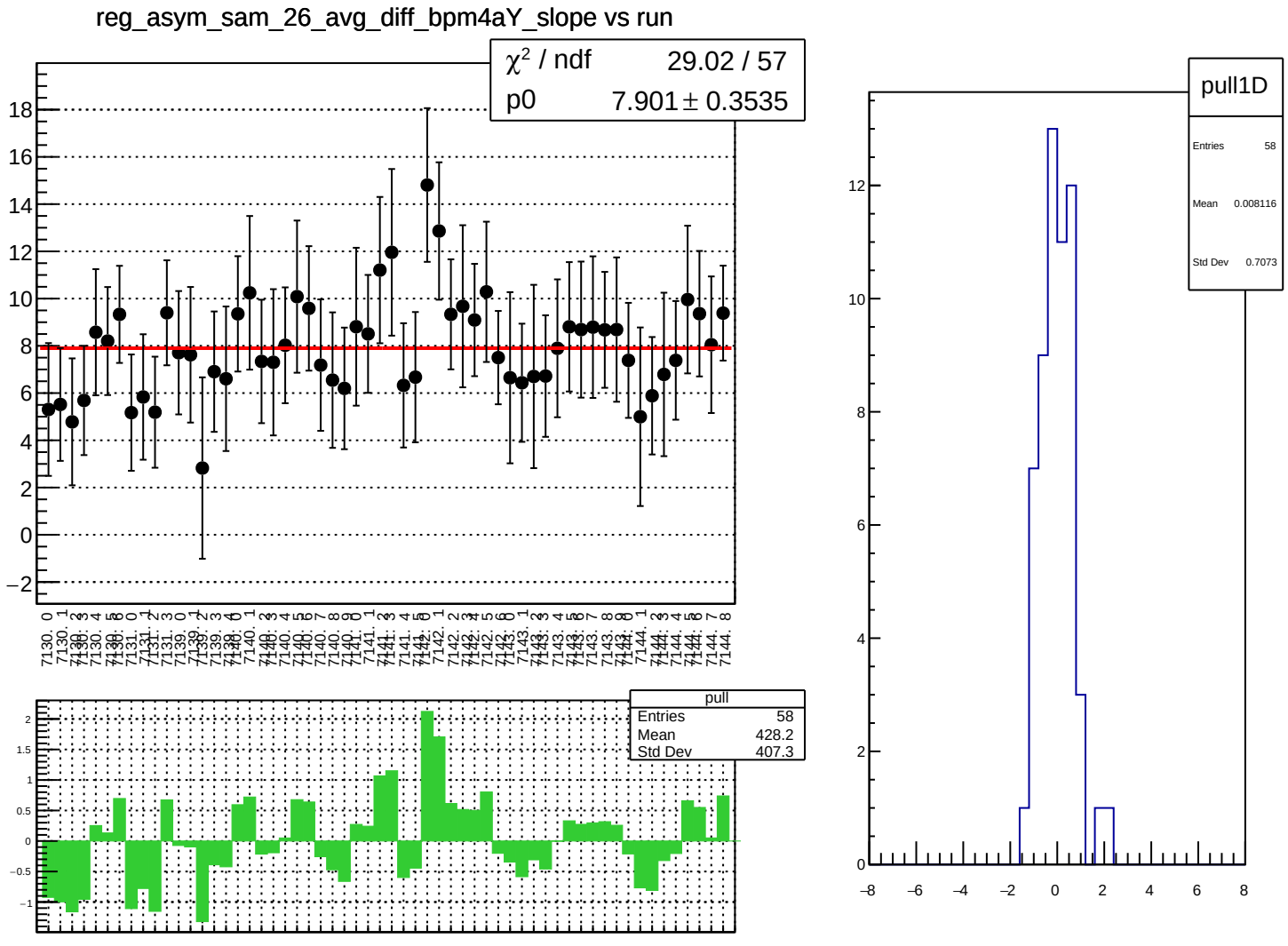

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 142.2 / 57
p0 19.15 ± 0.1929
pull
Entries 58
Mean −181.3
Std Dev 204
pull1D
Entries 58
Mean 0.0546
Std Dev 1.565

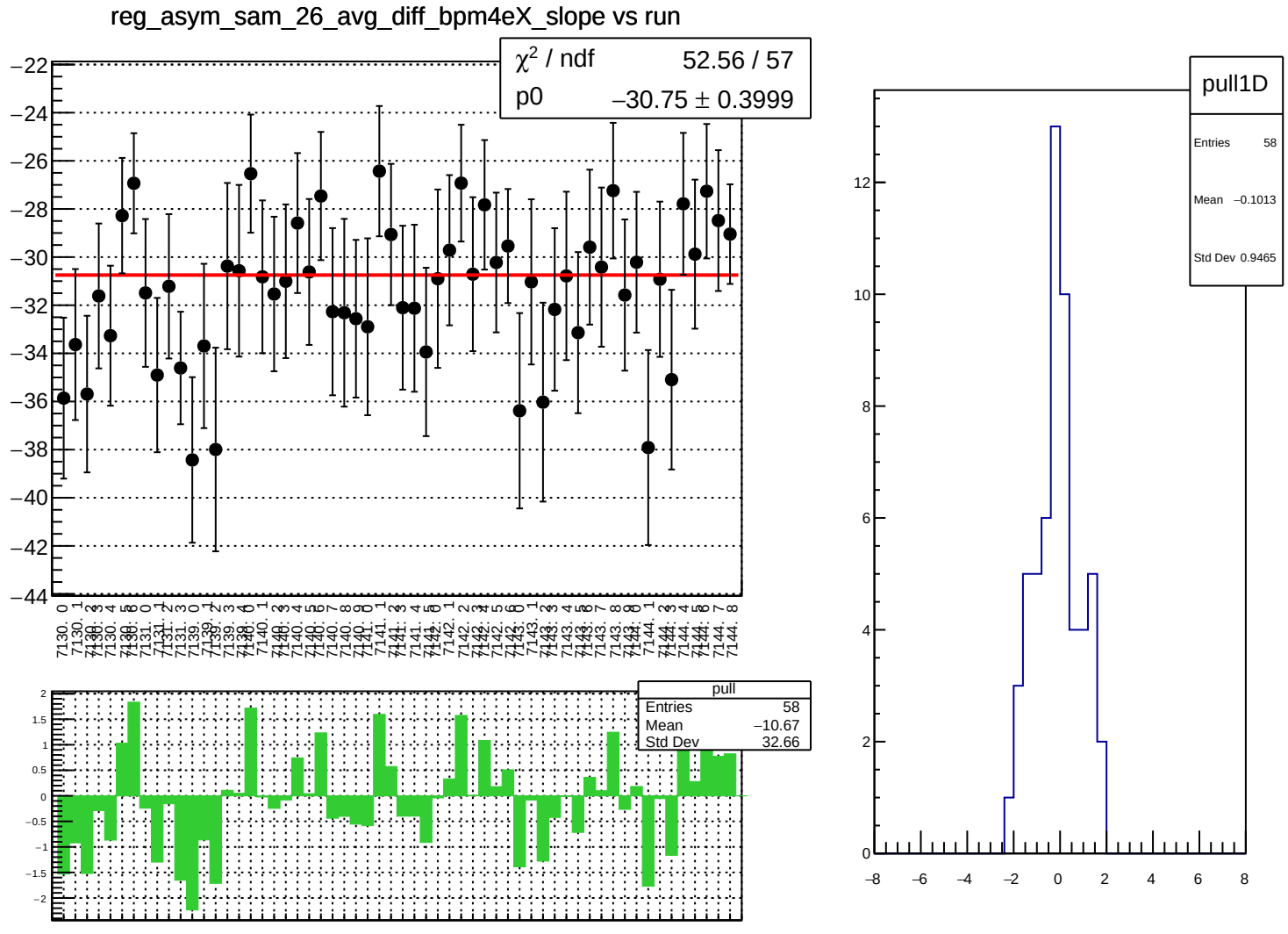

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.73 / 57
p0 −0.09306 ± 0.008941
pull
Entries 58
Mean 70.5
Std Dev 9.379

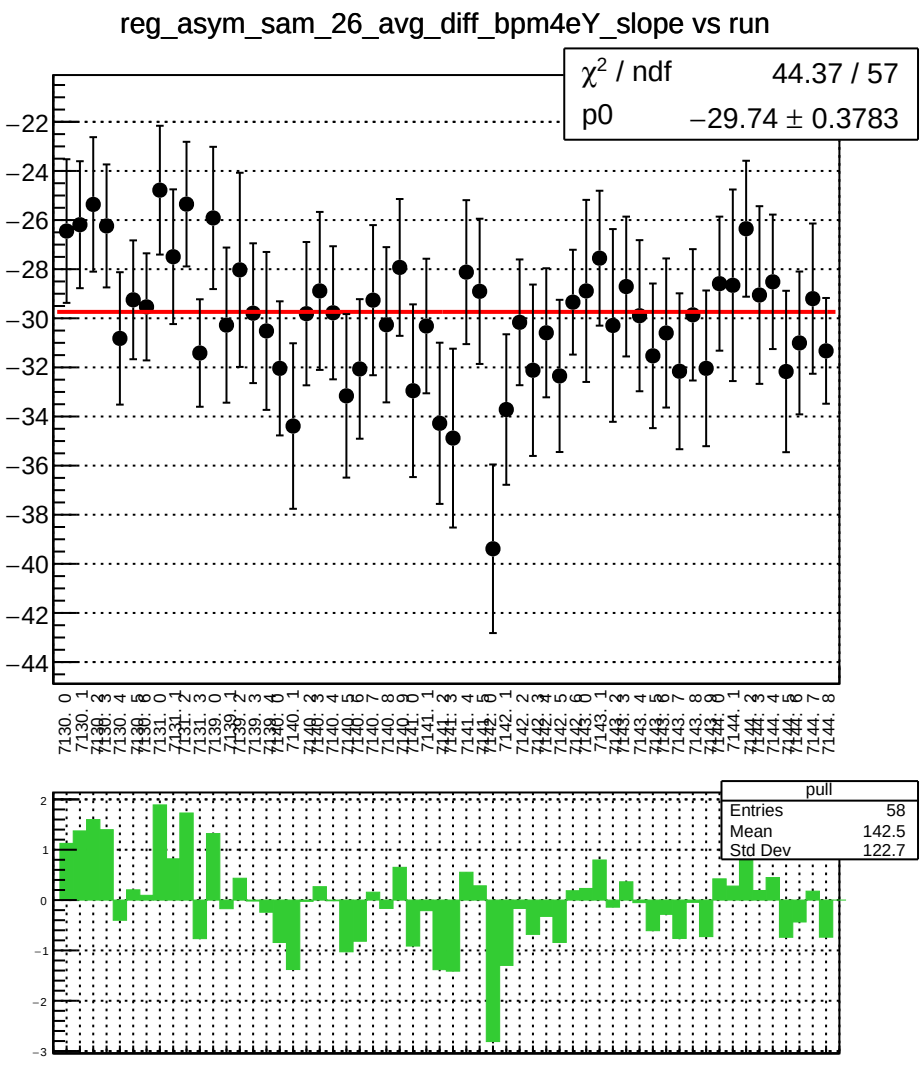

pull1D
Entries 58
Mean 0.00668
Std Dev 0.3406

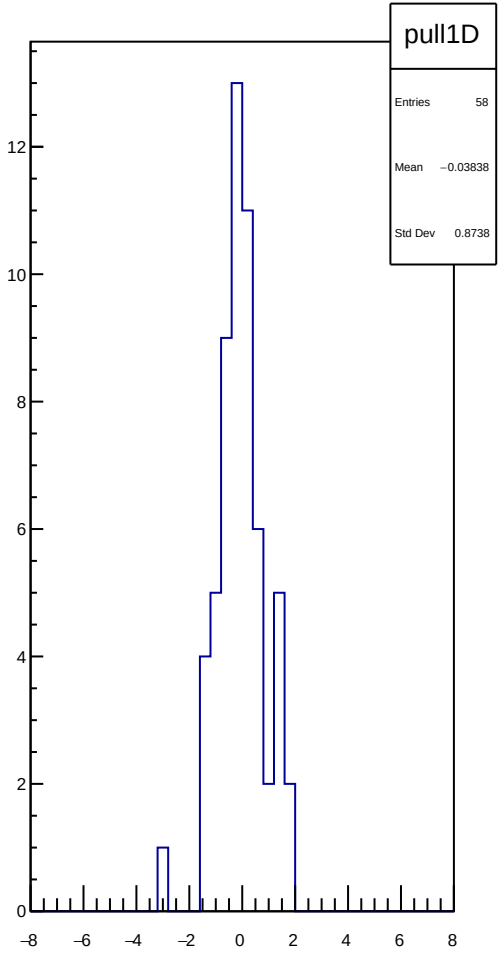

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 69.7 / 57
p0 −10.33 ± 0.3935
pull
Entries 58
Mean −1.453
Std Dev 11.49

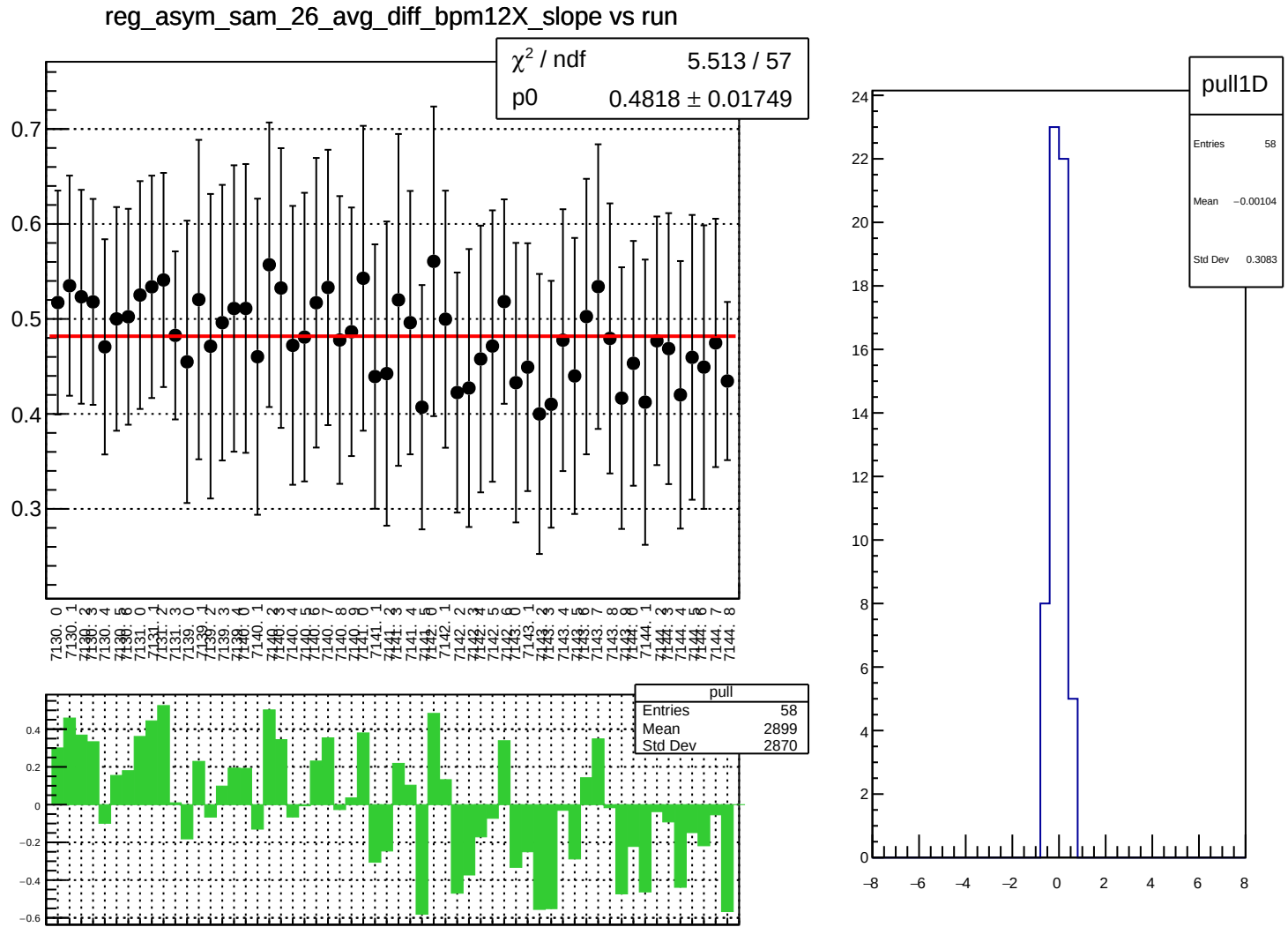

pull1D
Entries 58
Mean 0.1014
Std Dev 1.092

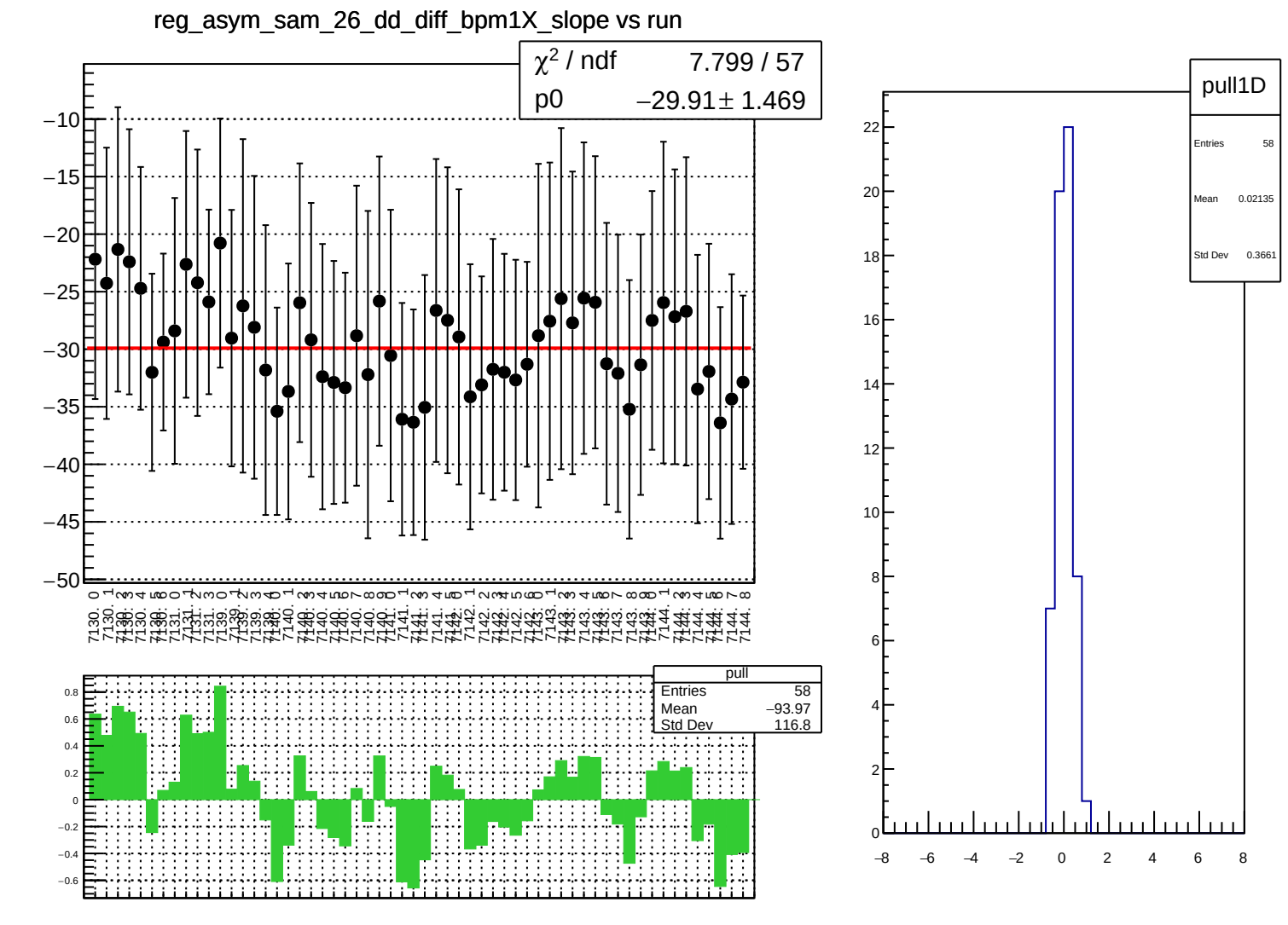

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.02 / 57
p0 7.901 ± 0.3535
pull
Entries 58
Mean 428.2
Std Dev 407.3
pull1D
Entries 58
Mean 0.008116
Std Dev 0.7073

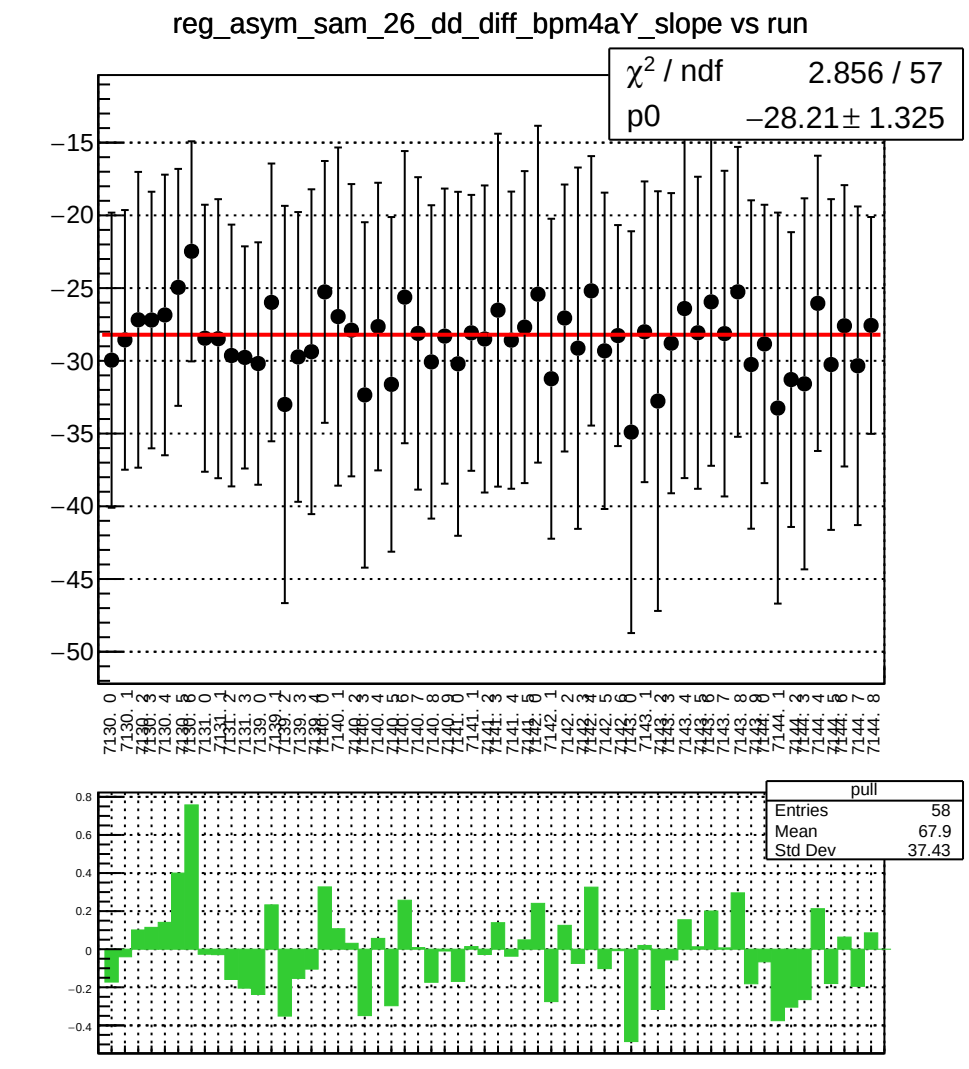

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.56 / 57
p0 −30.75 ± 0.3999
pull
Entries 58
Mean −10.67
Std Dev 32.66
pull1D
Entries 58
Mean −0.1013
Std Dev 0.9465

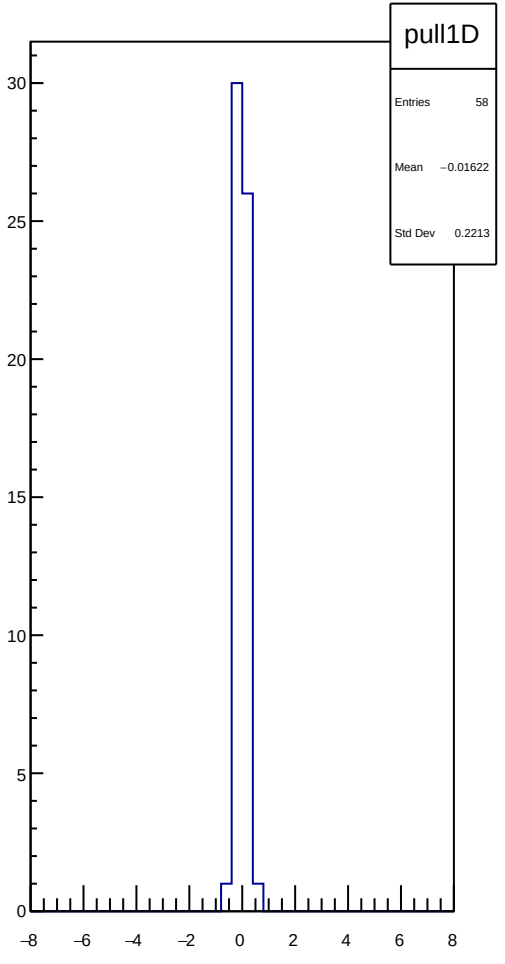

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.37 / 57
p0 −29.74 ± 0.3783
pull
Entries 58
Mean 142.5
Std Dev 122.7

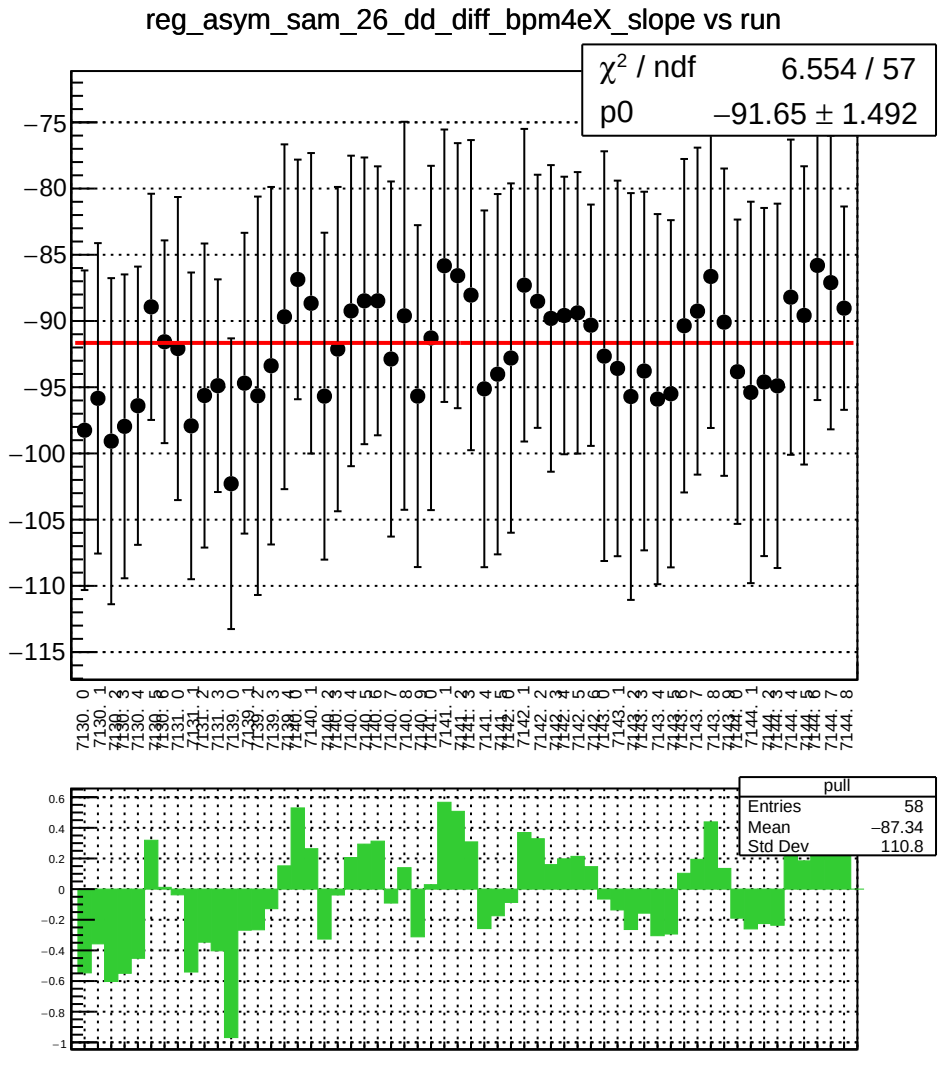

pull1D
Entries 58
Mean −0.03838
Std Dev 0.8738

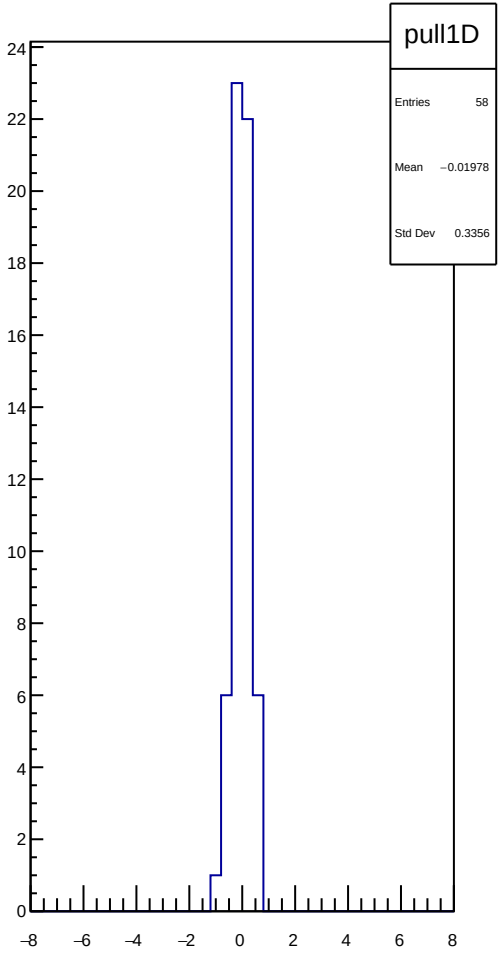

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 5.513 / 57
p0 0.4818 ± 0.01749
pull
Entries 58
Mean 2899
Std Dev 2870
pull1D
Entries 58
Mean −0.00104
Std Dev 0.3083

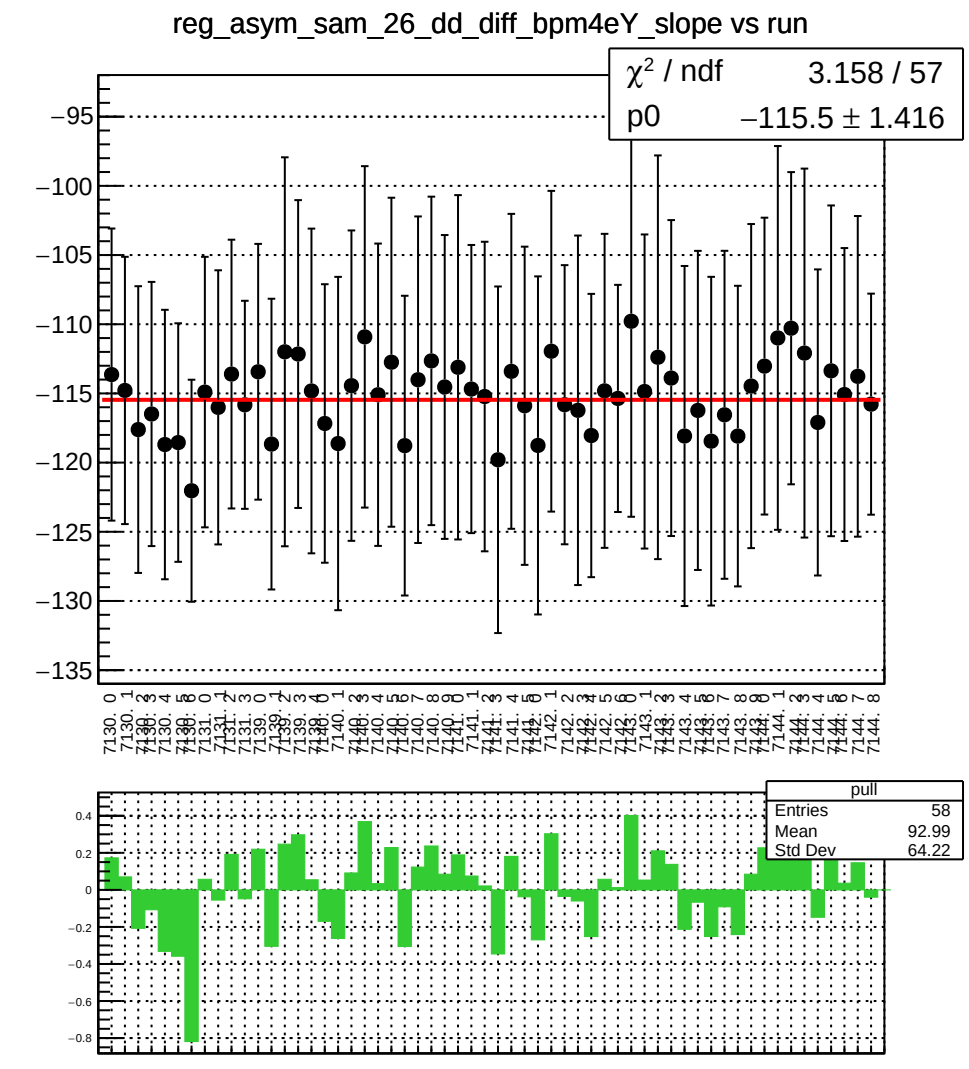

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 7.799 / 57
p0 −29.91 ± 1.469
pull
Entries 58
Mean −93.97
Std Dev 116.8
pull1D
Entries 58
Mean 0.02135
Std Dev 0.3661

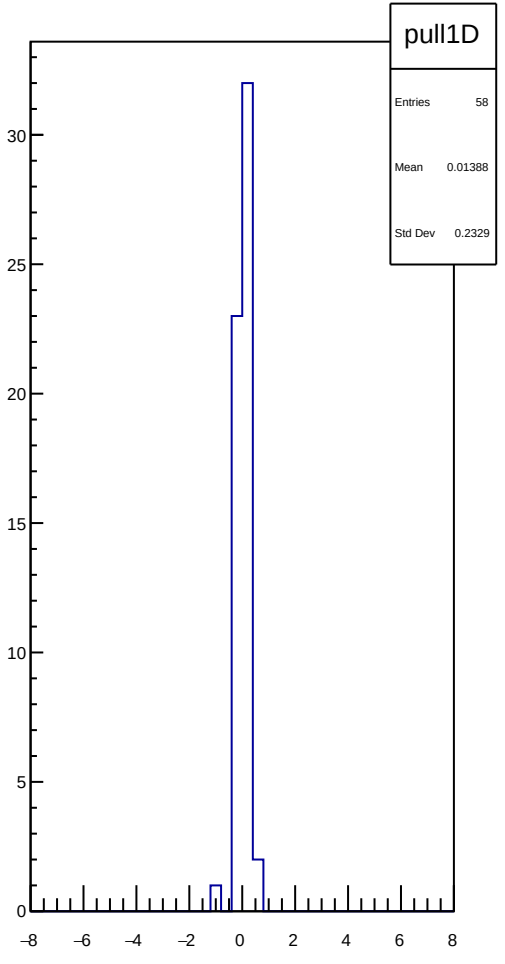

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.856 / 57
p0 −28.21± 1.325
pull
Entries 58
Mean 67.9
Std Dev 37.43

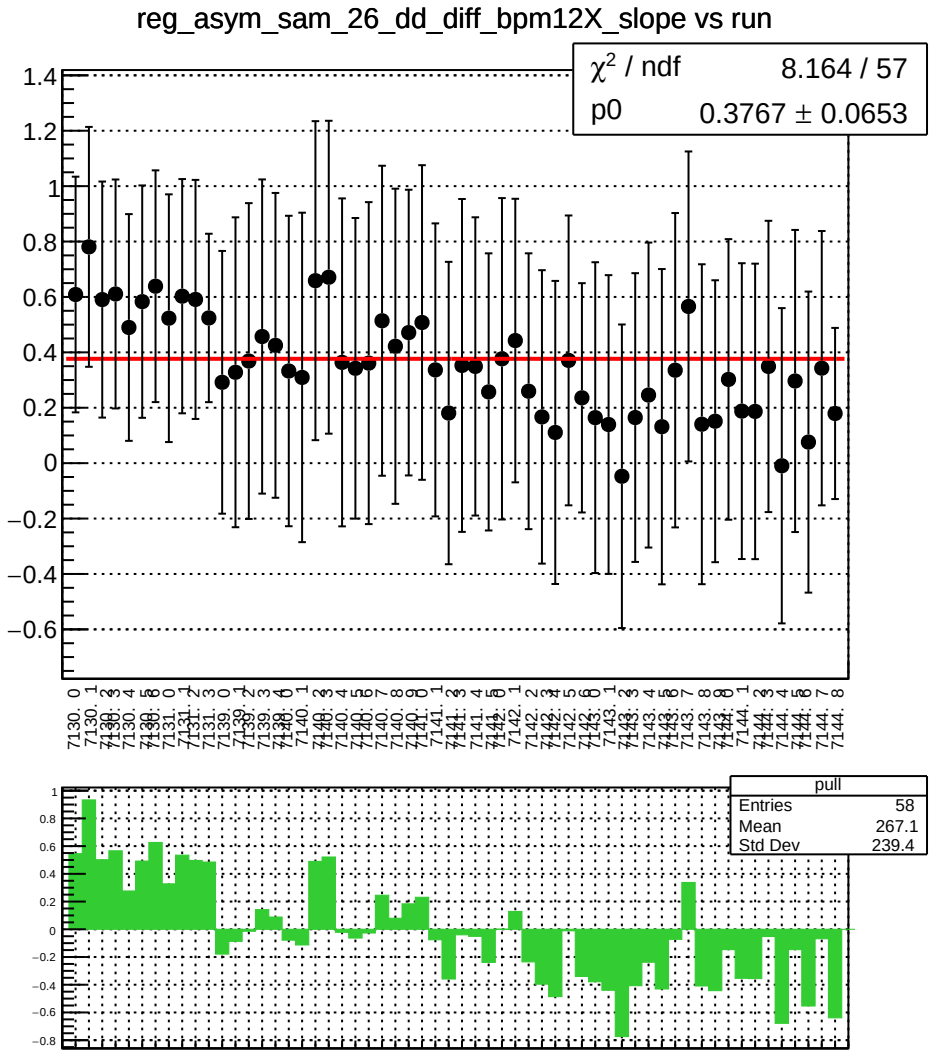

pull1D
Entries 58
Mean −0.01622
Std Dev 0.2213

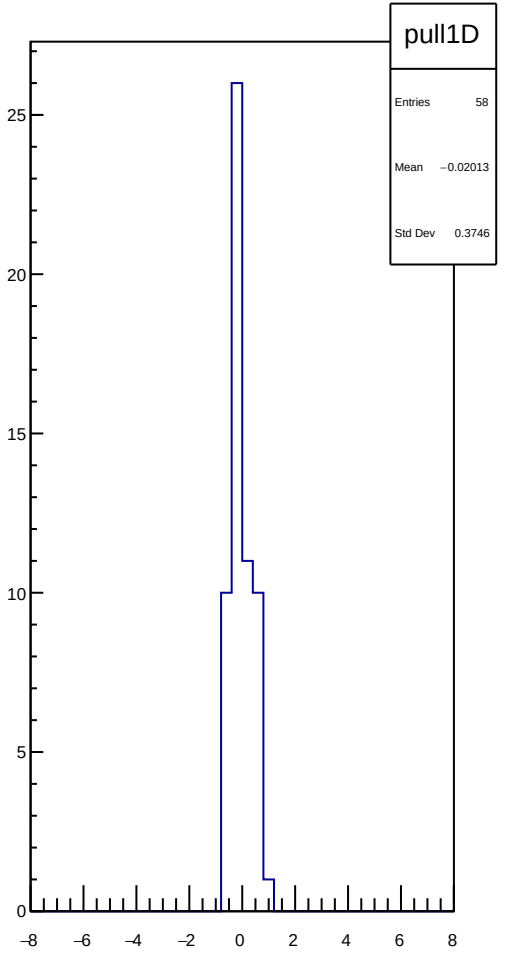

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.554 / 57
p0 −91.65 ± 1.492
pull
Entries 58
Mean −87.34
Std Dev 110.8

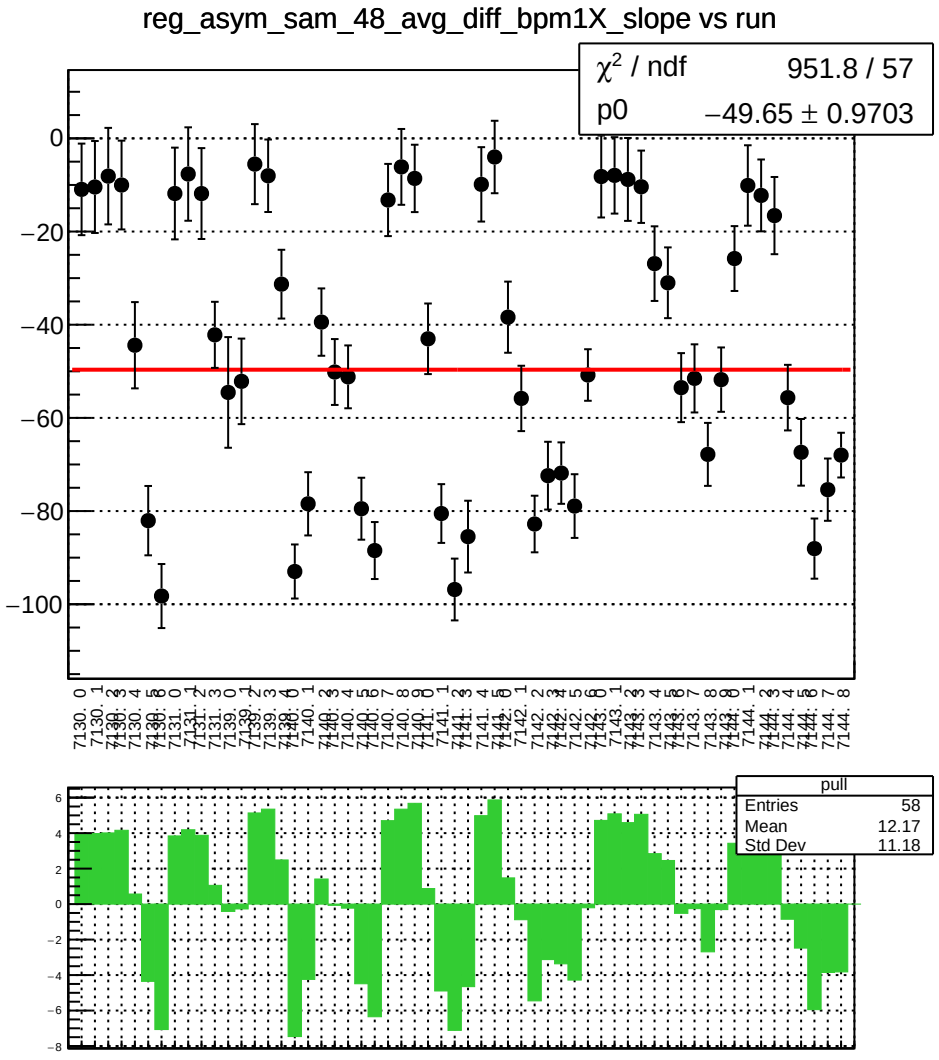

pull1D
Entries 58
Mean −0.01978
Std Dev 0.3356

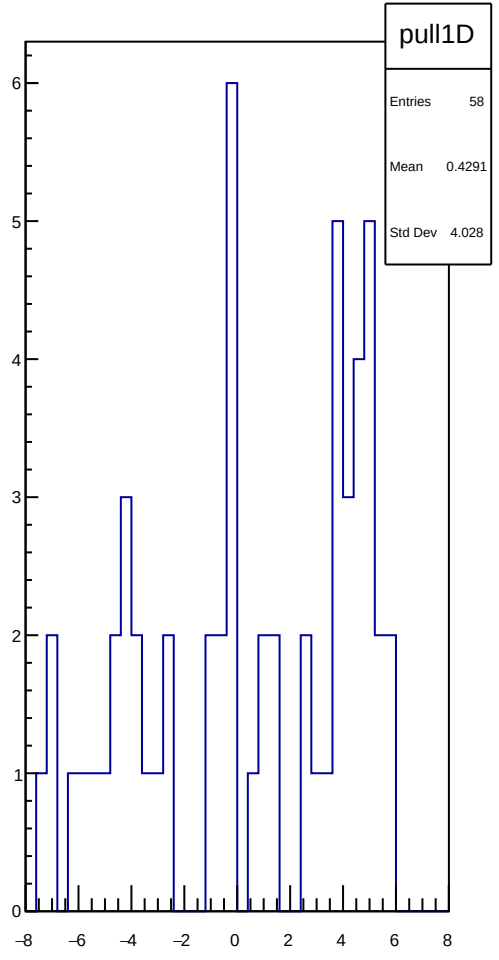

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.158 / 57
p0 −115.5 ± 1.416
pull
Entries 58
Mean 92.99
Std Dev 64.22

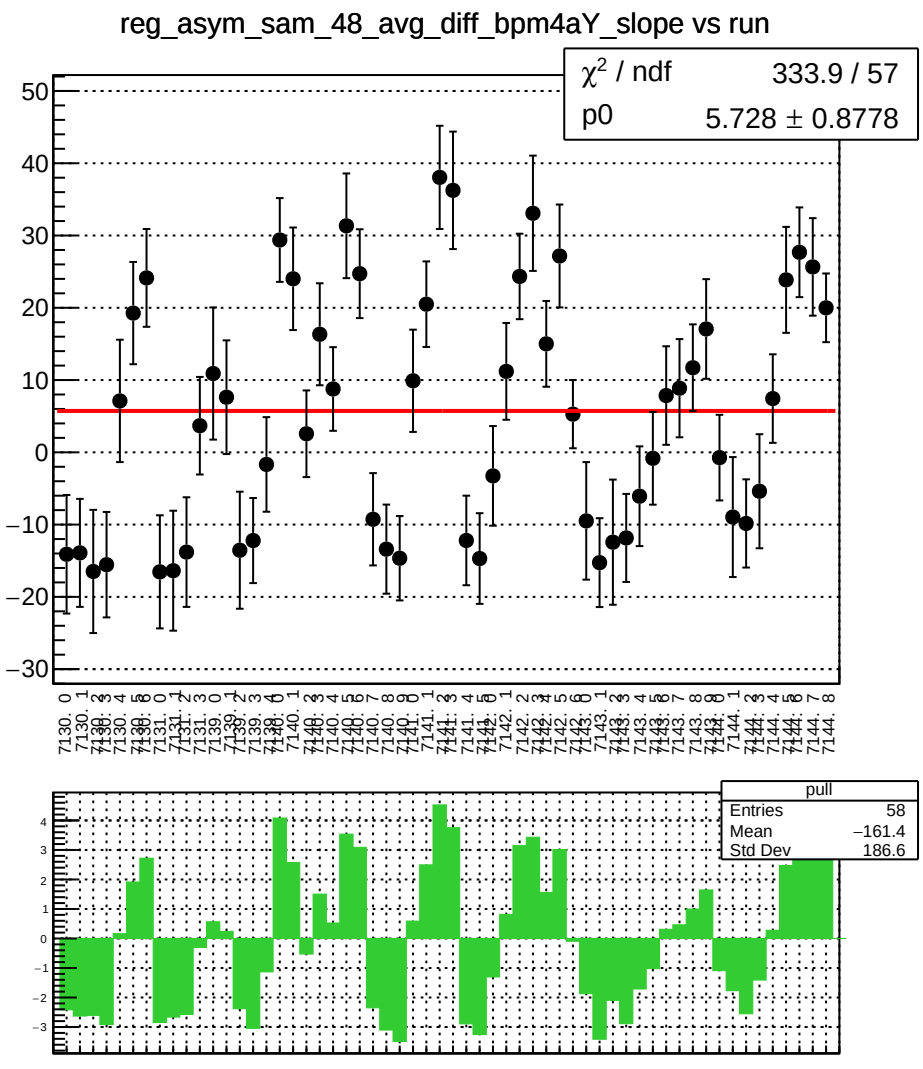

pull1D
Entries 58
Mean 0.01388
Std Dev 0.2329

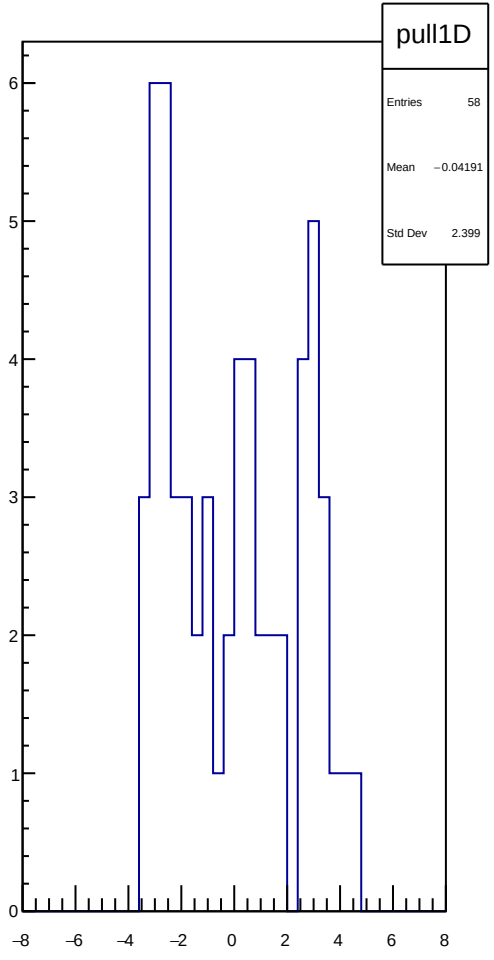

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.164 / 57
p0 0.3767 ± 0.0653
pull
Entries 58
Mean 267.1
Std Dev 239.4

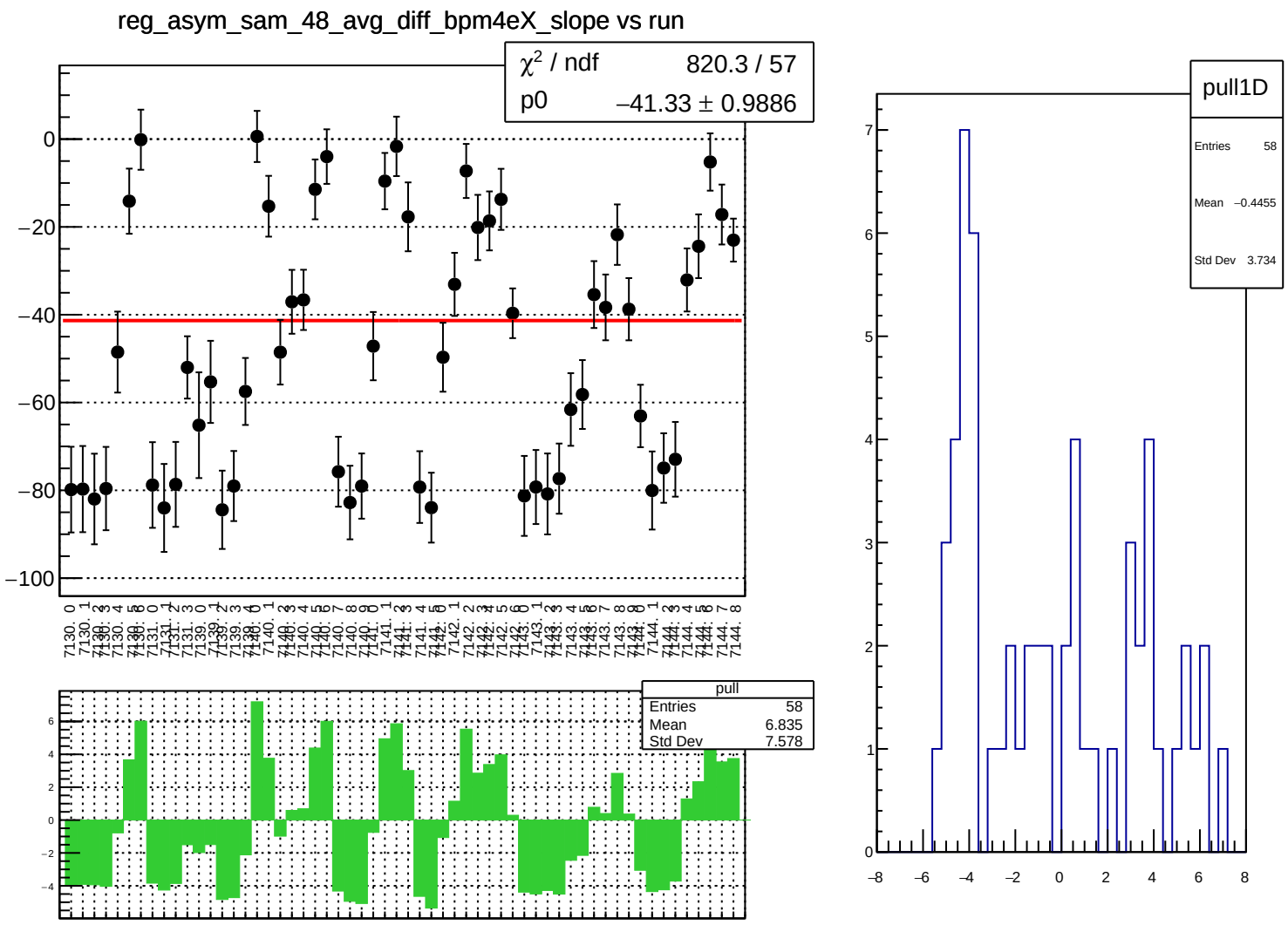

pull1D
Entries 58
Mean −0.02013
Std Dev 0.3746

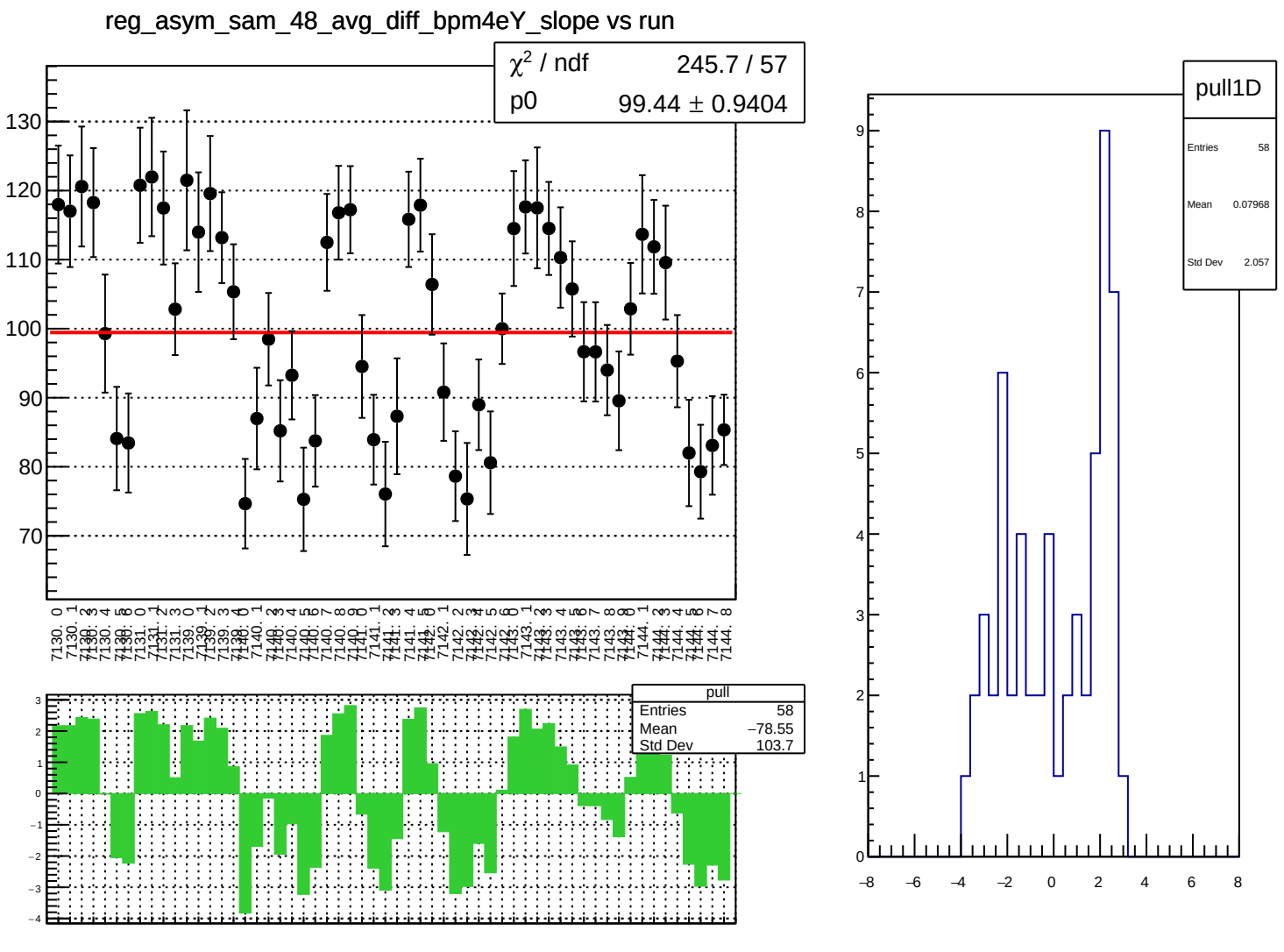

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 951.8 / 57
p0 −49.65 ± 0.9703
pull
Entries 58
Mean 12.17
Std Dev 11.18

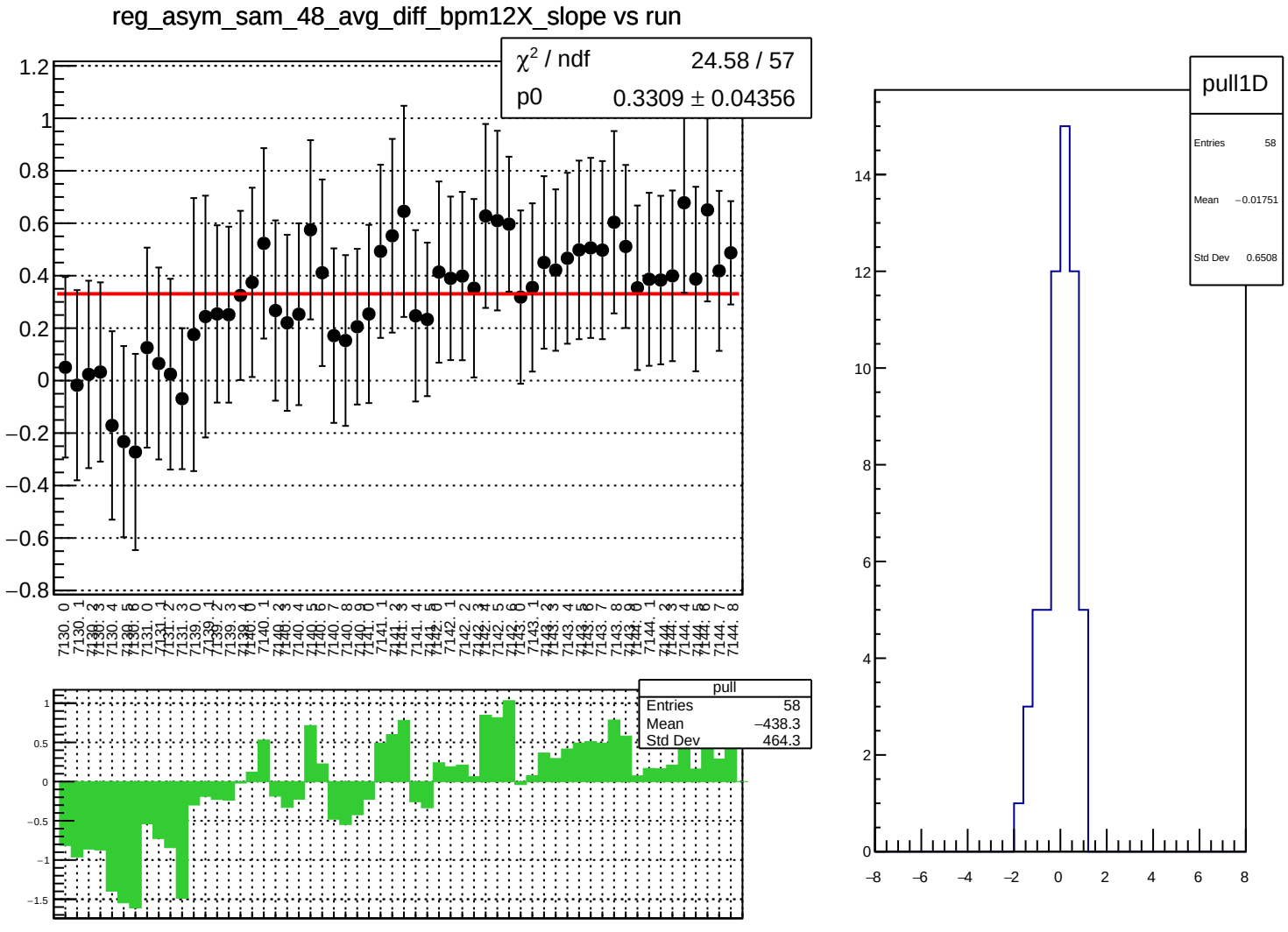

pull1D
Entries 58
Mean 0.4291
Std Dev 4.028

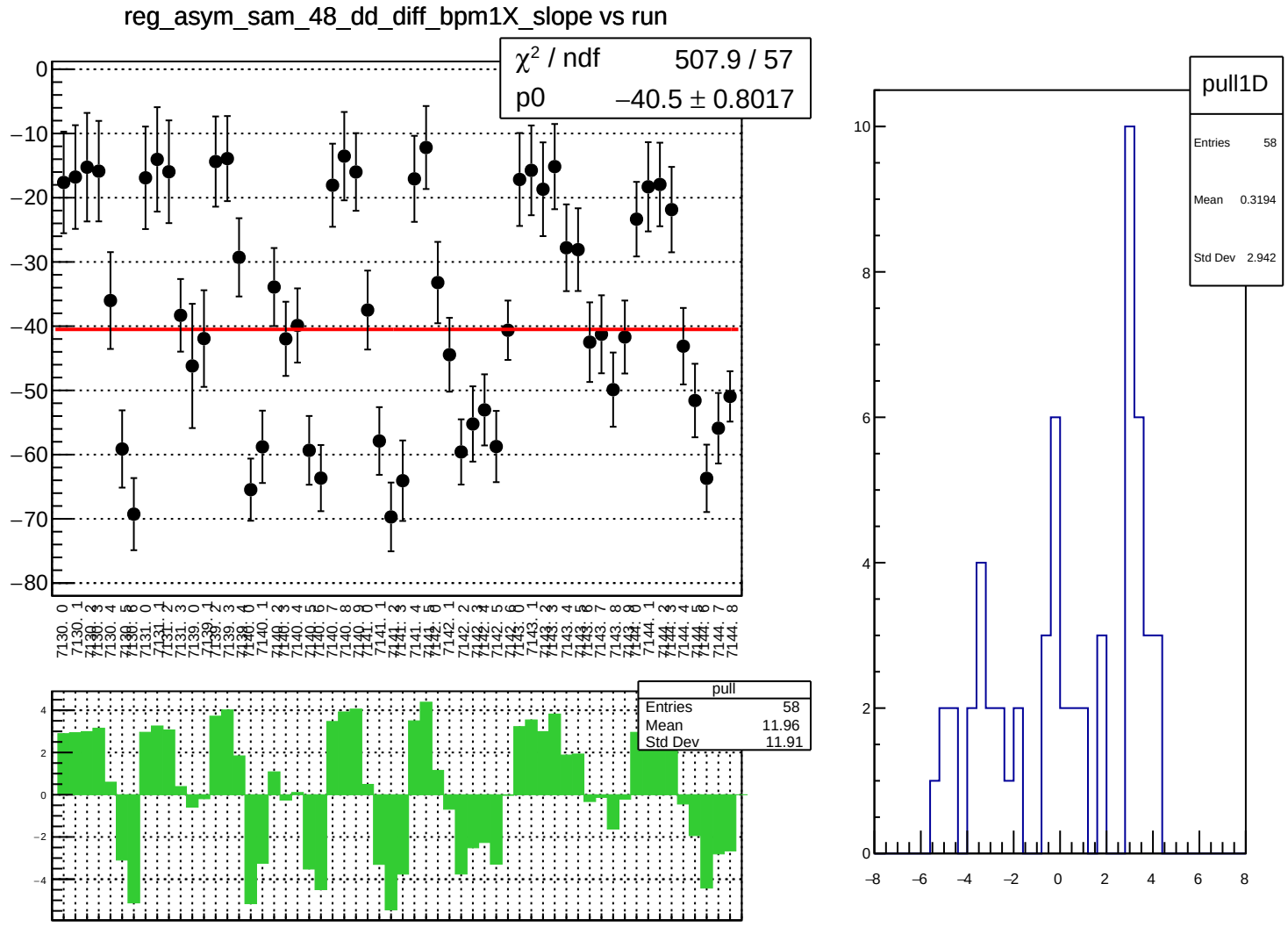

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 333.9 / 57
p0 5.728 ± 0.8778
pull
Entries 58
Mean −161.4
Std Dev 186.6

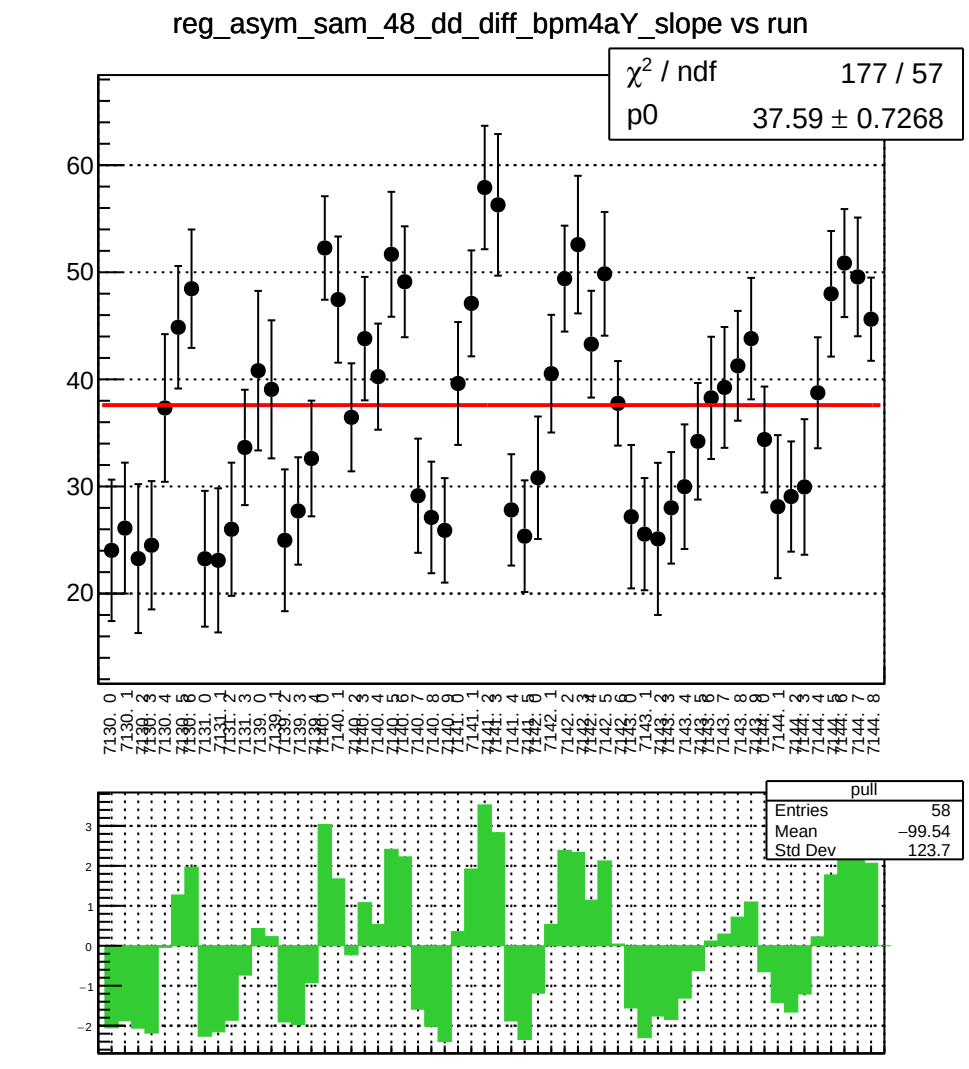

pull1D
Entries 58
Mean −0.04191
Std Dev 2.399

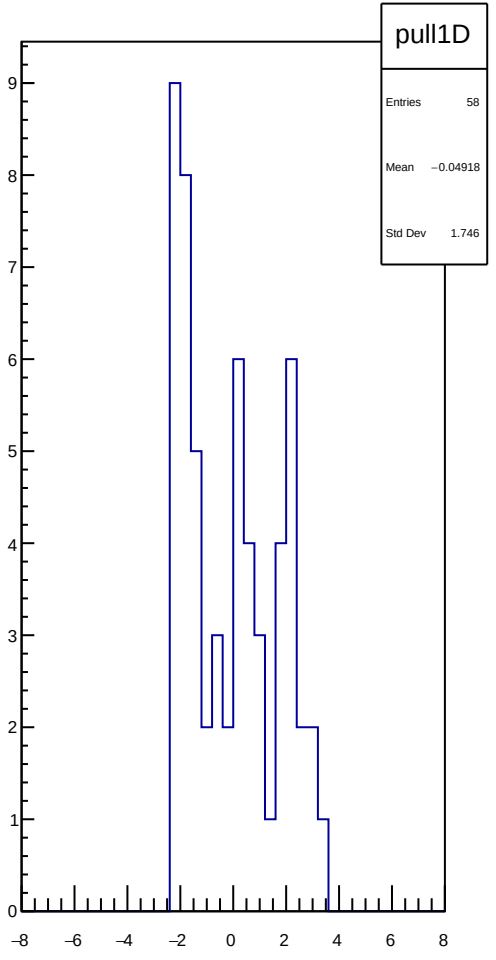

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 820.3 / 57
p0 −41.33 ± 0.9886
pull
Entries 58
Mean 6.835
Std Dev 7.578
pull1D
Entries 58
Mean −0.4455
Std Dev 3.734

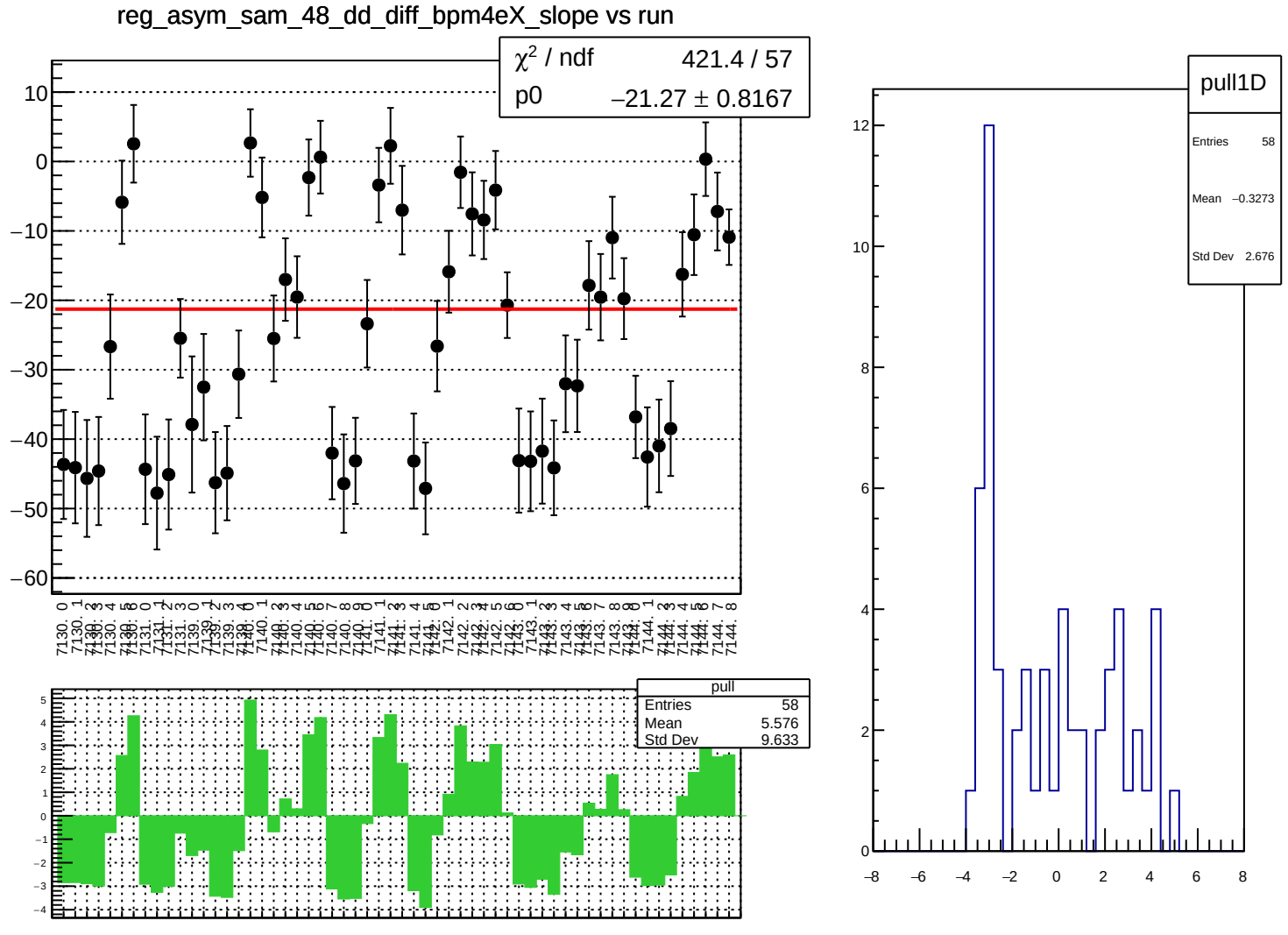

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 245.7 / 57
p0 99.44 ± 0.9404
pull
Entries 58
Mean −78.55
Std Dev 103.7
pull1D
Entries 58
Mean 0.07968
Std Dev 2.057

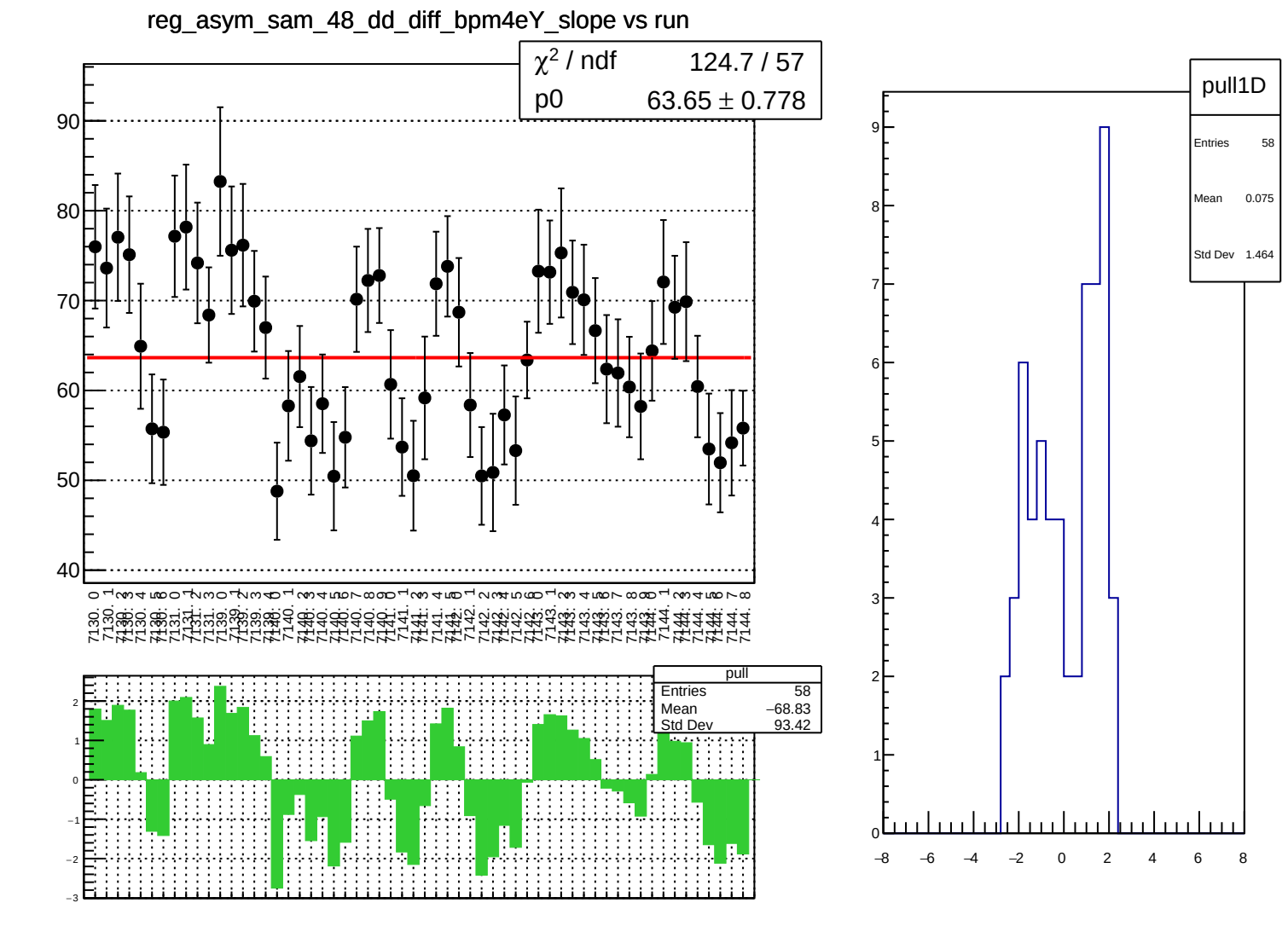

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 24.58 / 57
p0 0.3309 ± 0.04356
pull
Entries 58
Mean −438.3
Std Dev 464.3
pull1D
Entries 58
Mean −0.01751
Std Dev 0.6508

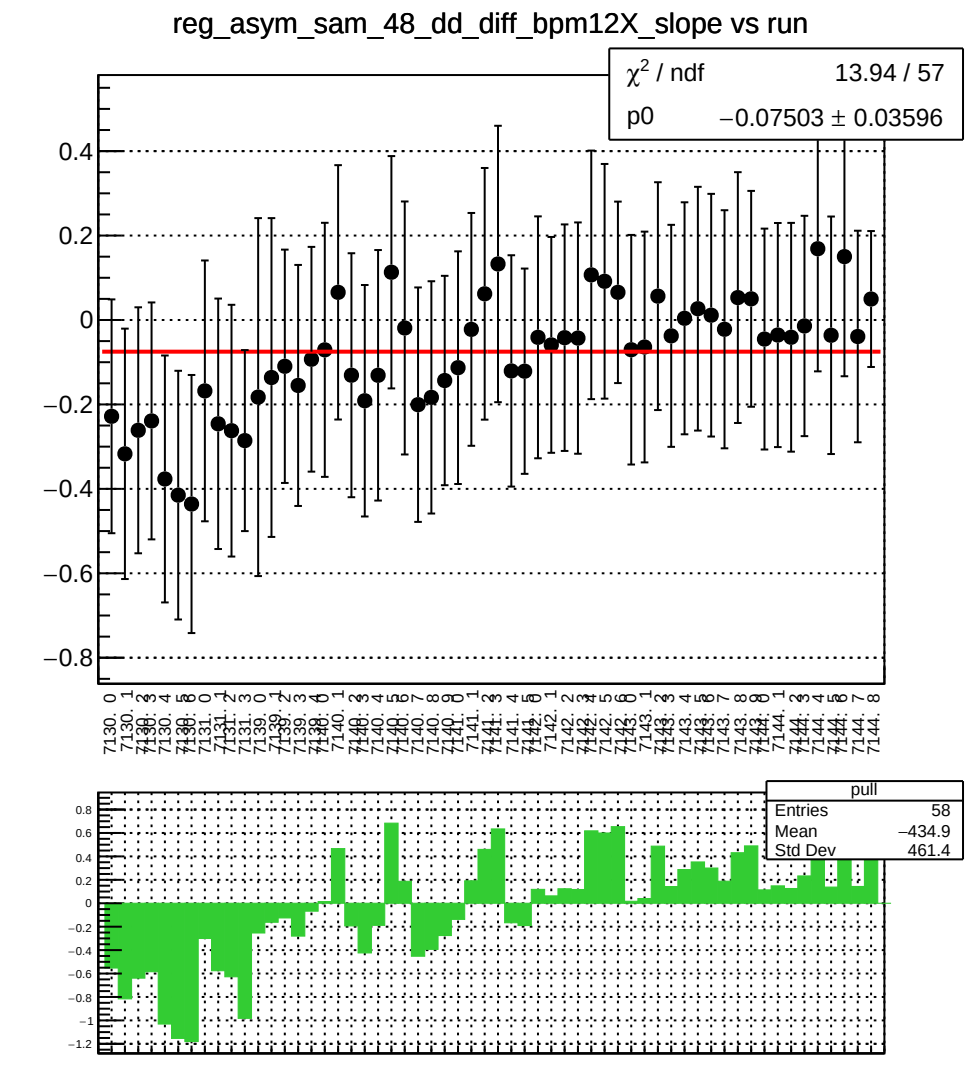

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 507.9 / 57
p0 −40.5 ± 0.8017
pull
Entries 58
Mean 11.96
Std Dev 11.91
pull1D
Entries 58
Mean 0.3194
Std Dev 2.942

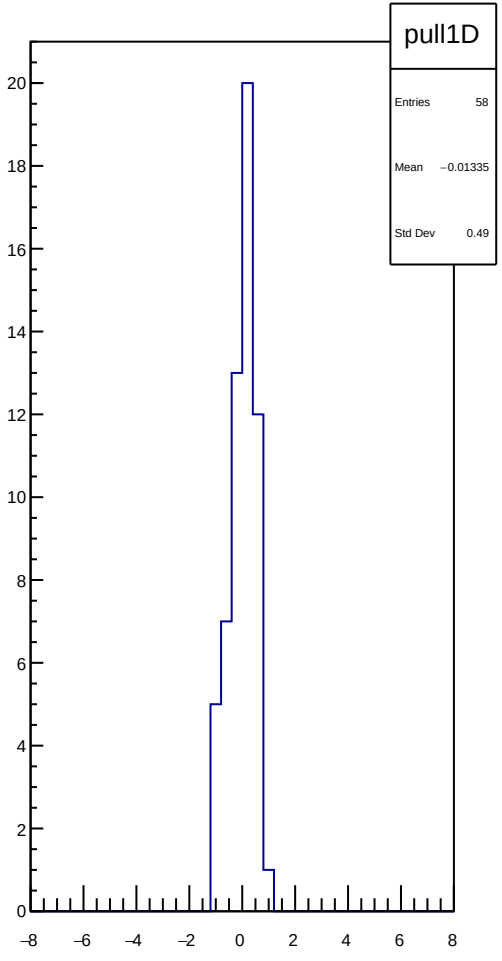

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 177 / 57
p0 37.59 ± 0.7268
pull
Entries 58
Mean −99.54
Std Dev 123.7

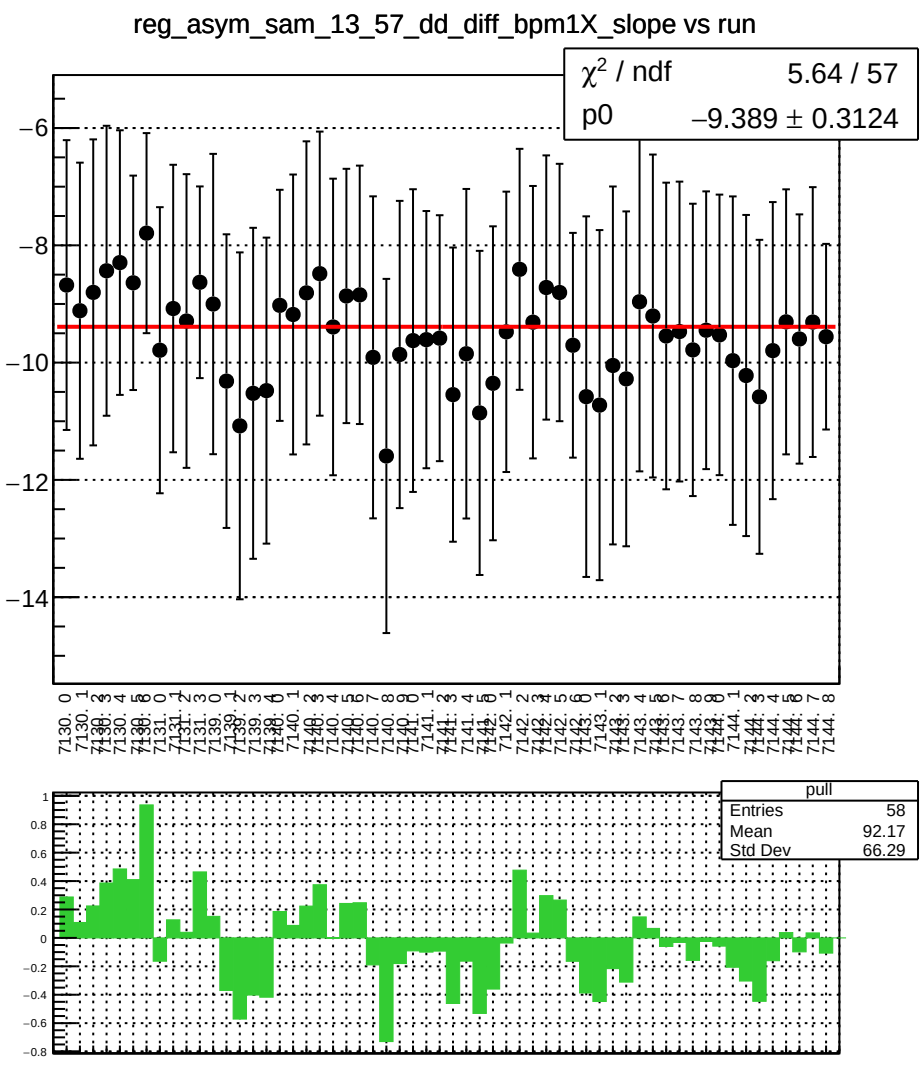

pull1D
Entries 58
Mean −0.04918
Std Dev 1.746

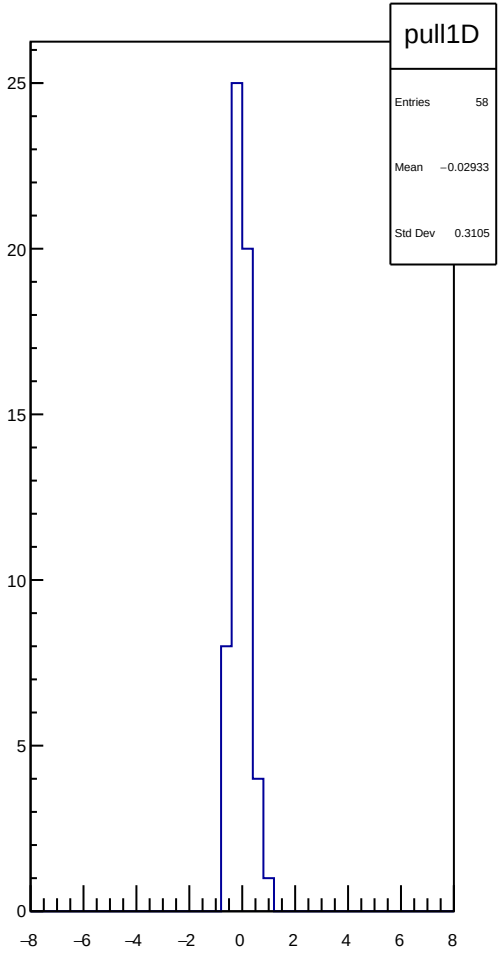

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 421.4 / 57
p0 −21.27 ± 0.8167
pull
Entries 58
Mean 5.576
Std Dev 9.633
pull1D
Entries 58
Mean −0.3273
Std Dev 2.676

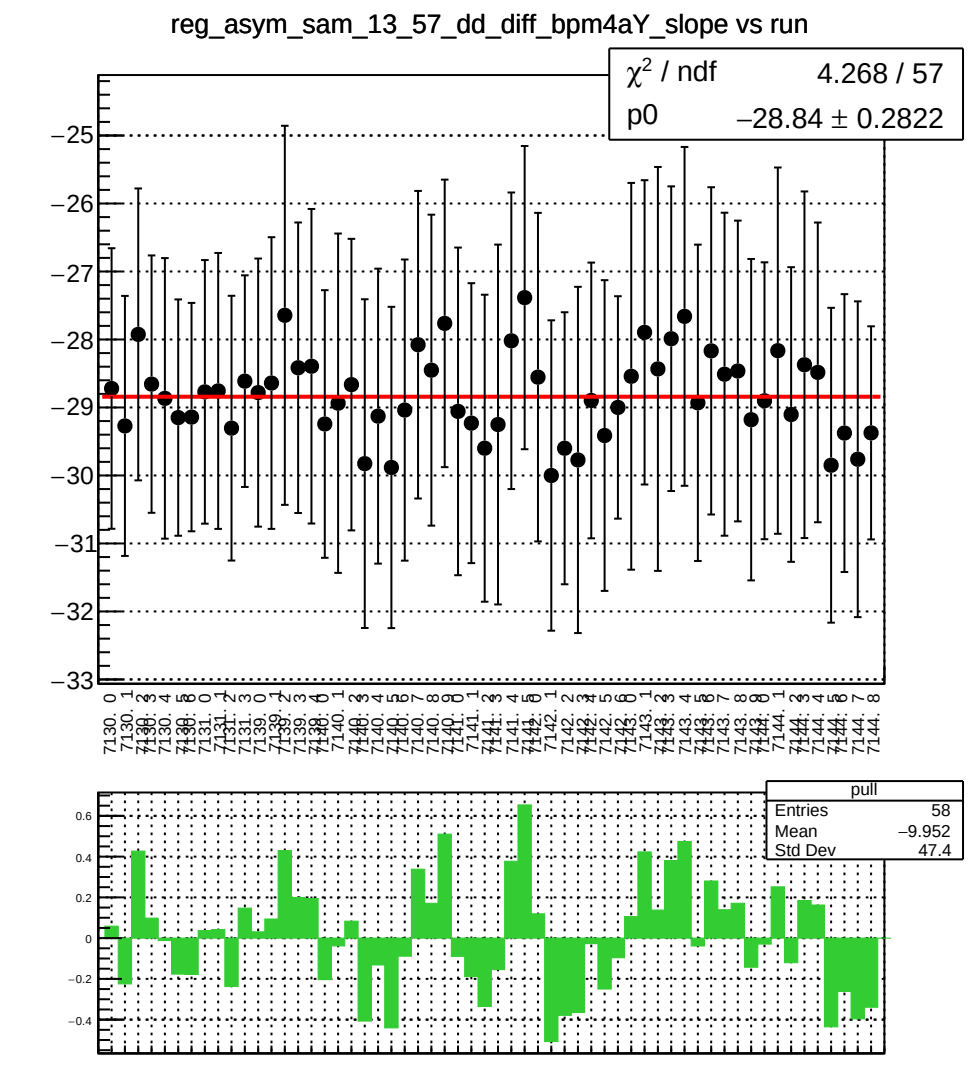

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 124.7 / 57
p0 63.65 ± 0.778
pull
Entries 58
Mean −68.83
Std Dev 93.42
pull1D
Entries 58
Mean 0.075
Std Dev 1.464

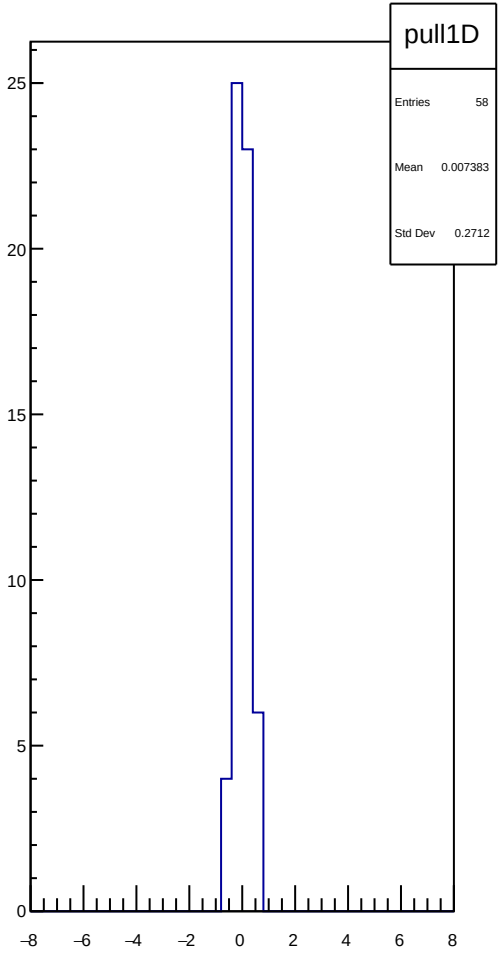

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.94 / 57
p0 −0.07503 ± 0.03596
pull
Entries 58
Mean −434.9
Std Dev 461.4

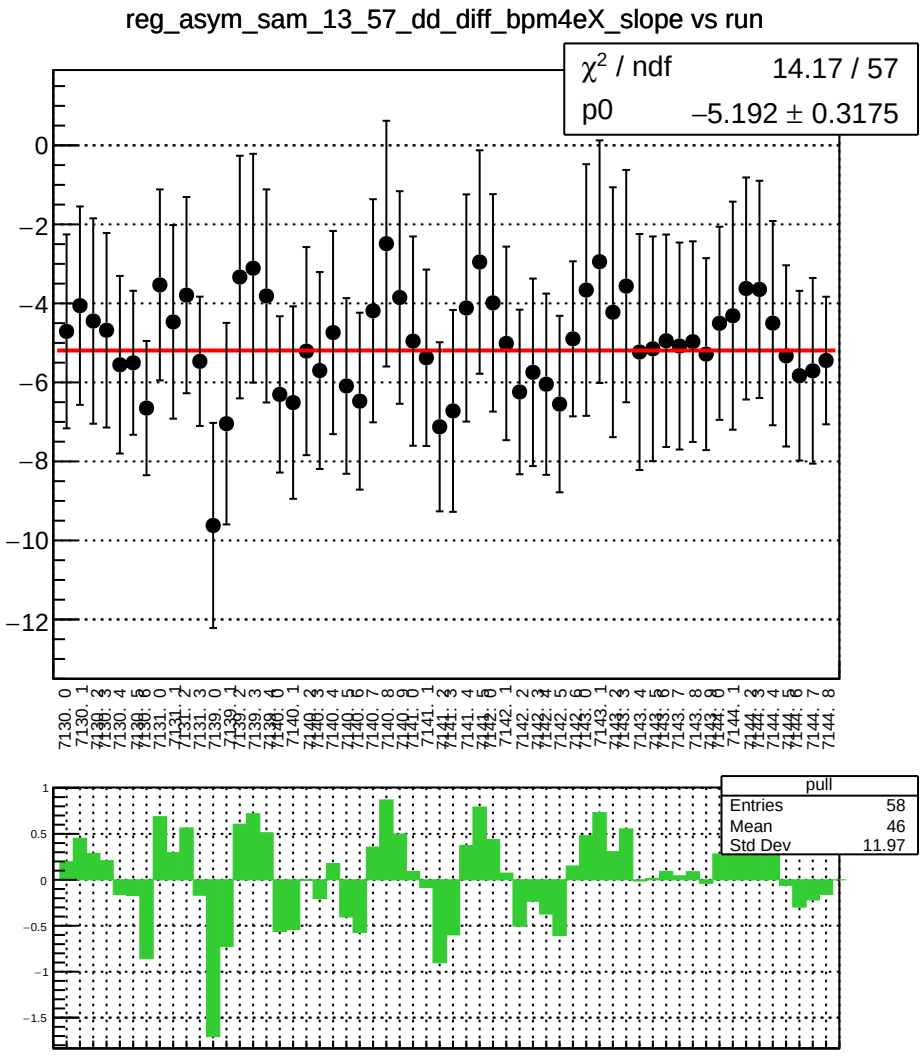

pull1D
Entries 58
Mean −0.01335
Std Dev 0.49

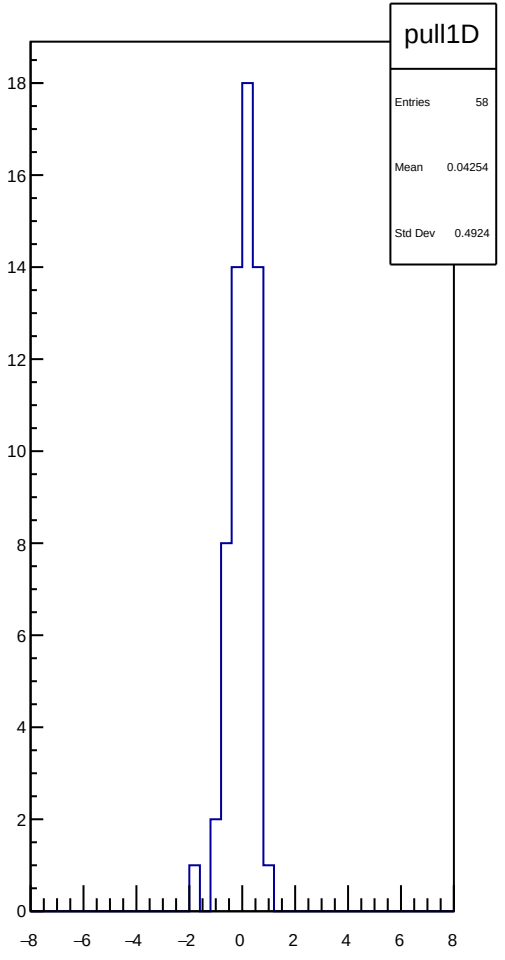

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 5.64 / 57
p0 −9.389 ± 0.3124
pull
Entries 58
Mean 92.17
Std Dev 66.29

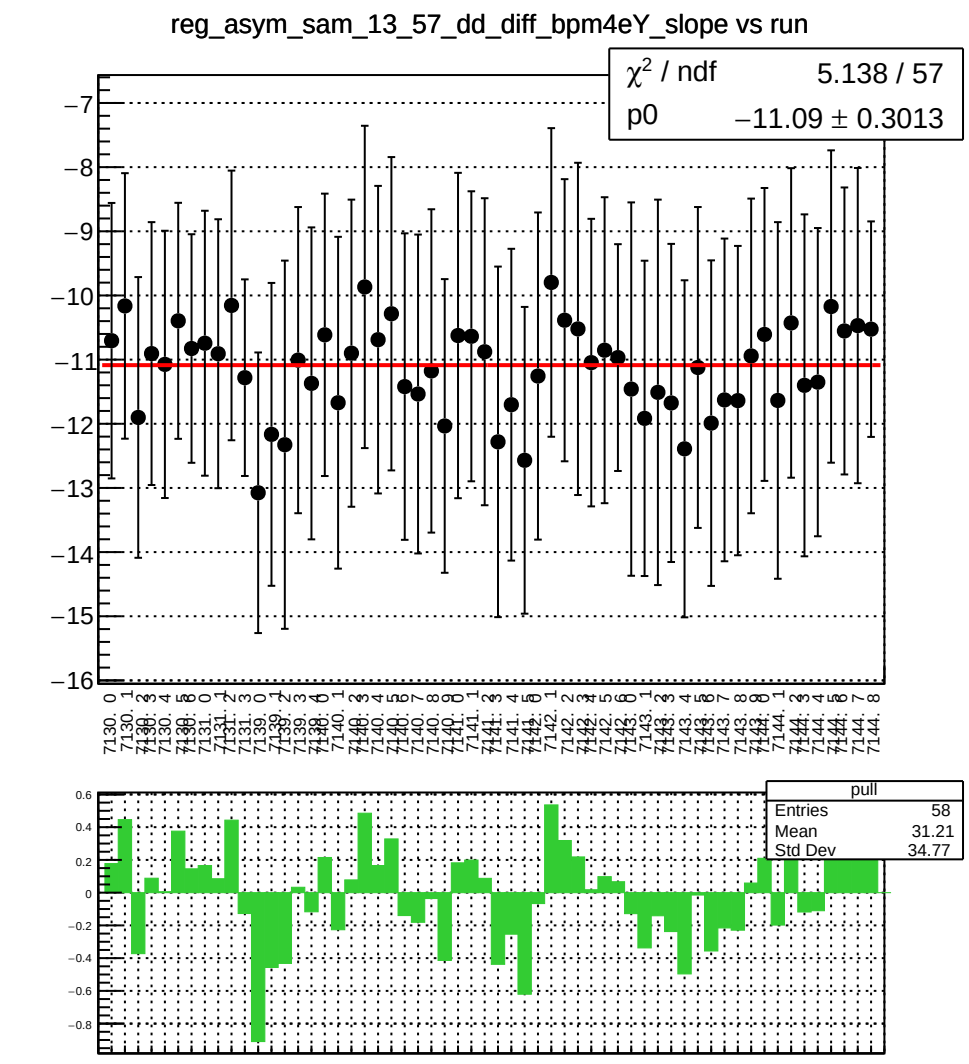

pull1D
Entries 58
Mean −0.02933
Std Dev 0.3105

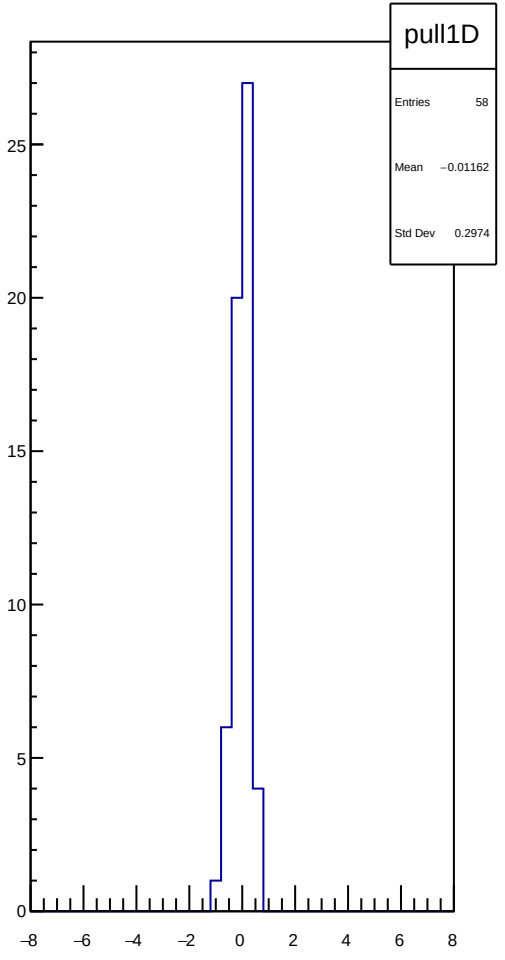

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.268 / 57
p0 −28.84 ± 0.2822
pull
Entries 58
Mean −9.952
Std Dev 47.4

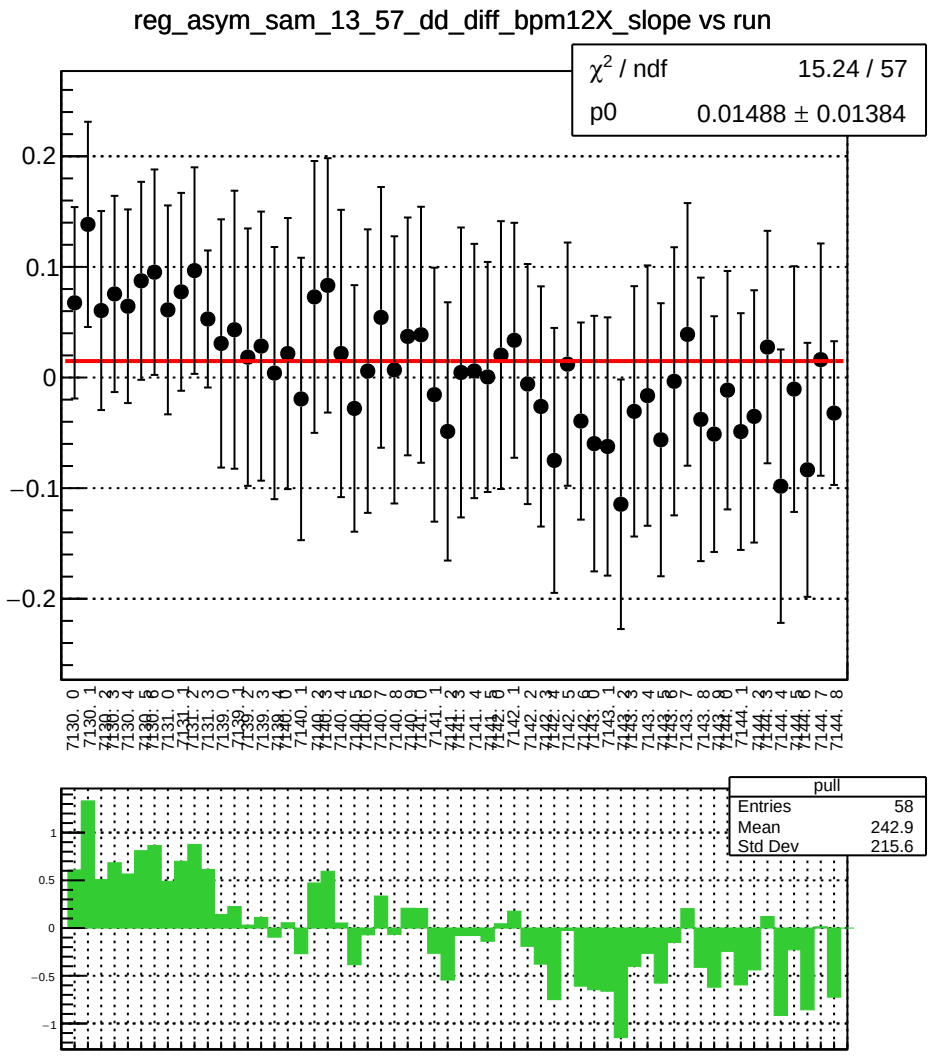

pull1D
Entries 58
Mean 0.007383
Std Dev 0.2712

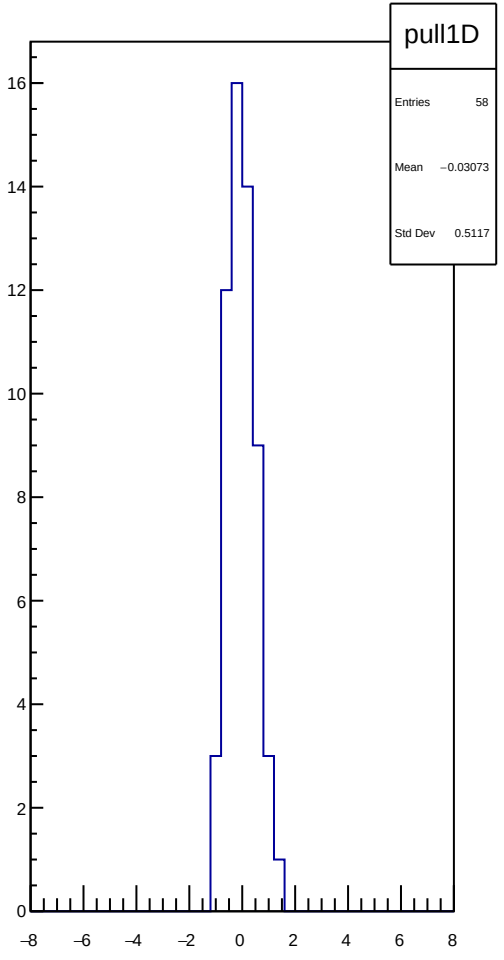

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.17 / 57
p0 −5.192 ± 0.3175
pull
Entries 58
Mean 46
Std Dev 11.97

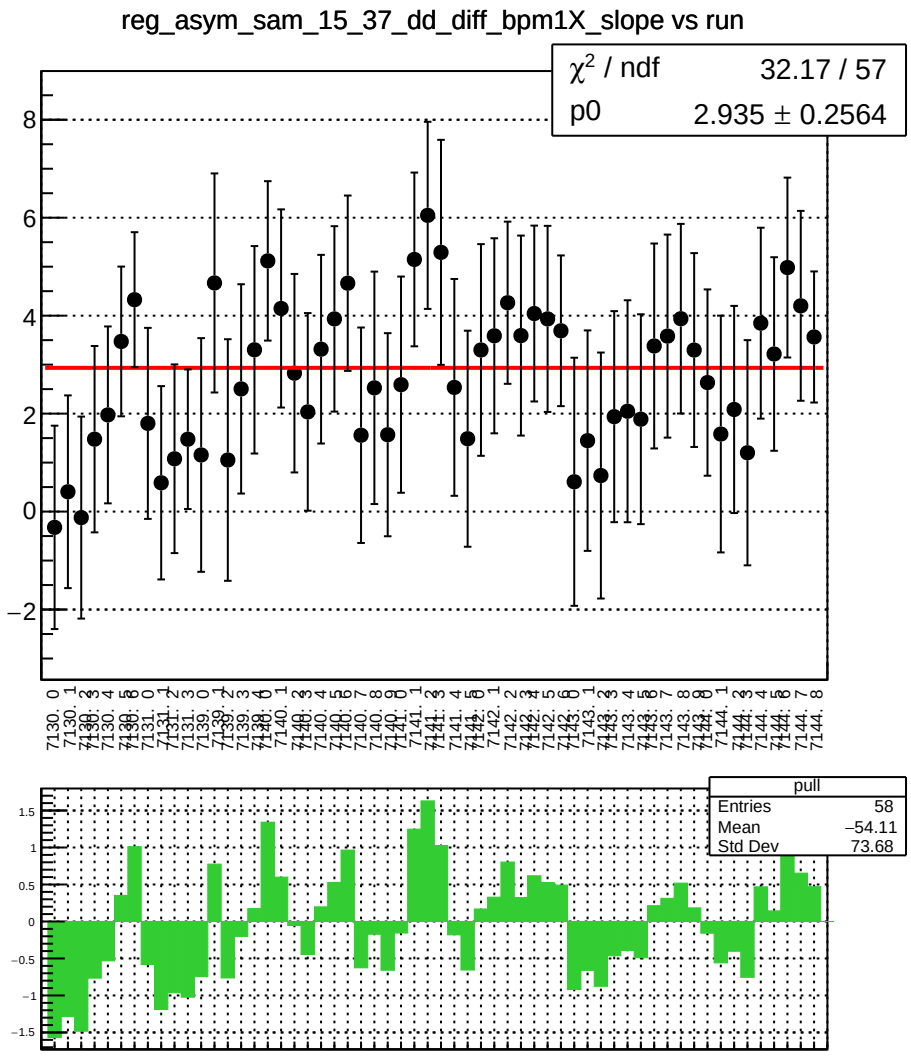

pull1D
Entries 58
Mean 0.04254
Std Dev 0.4924

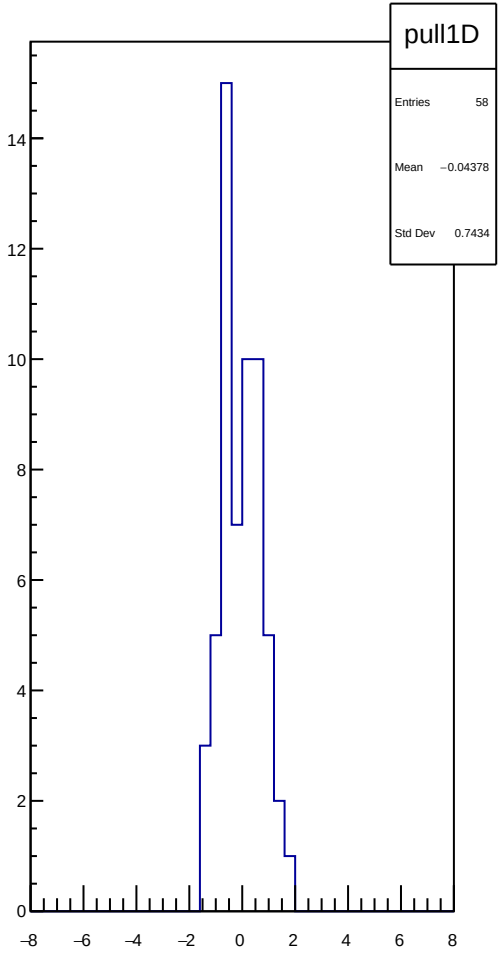

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.138 / 57
p0 −11.09 ± 0.3013
pull
Entries 58
Mean 31.21
Std Dev 34.77

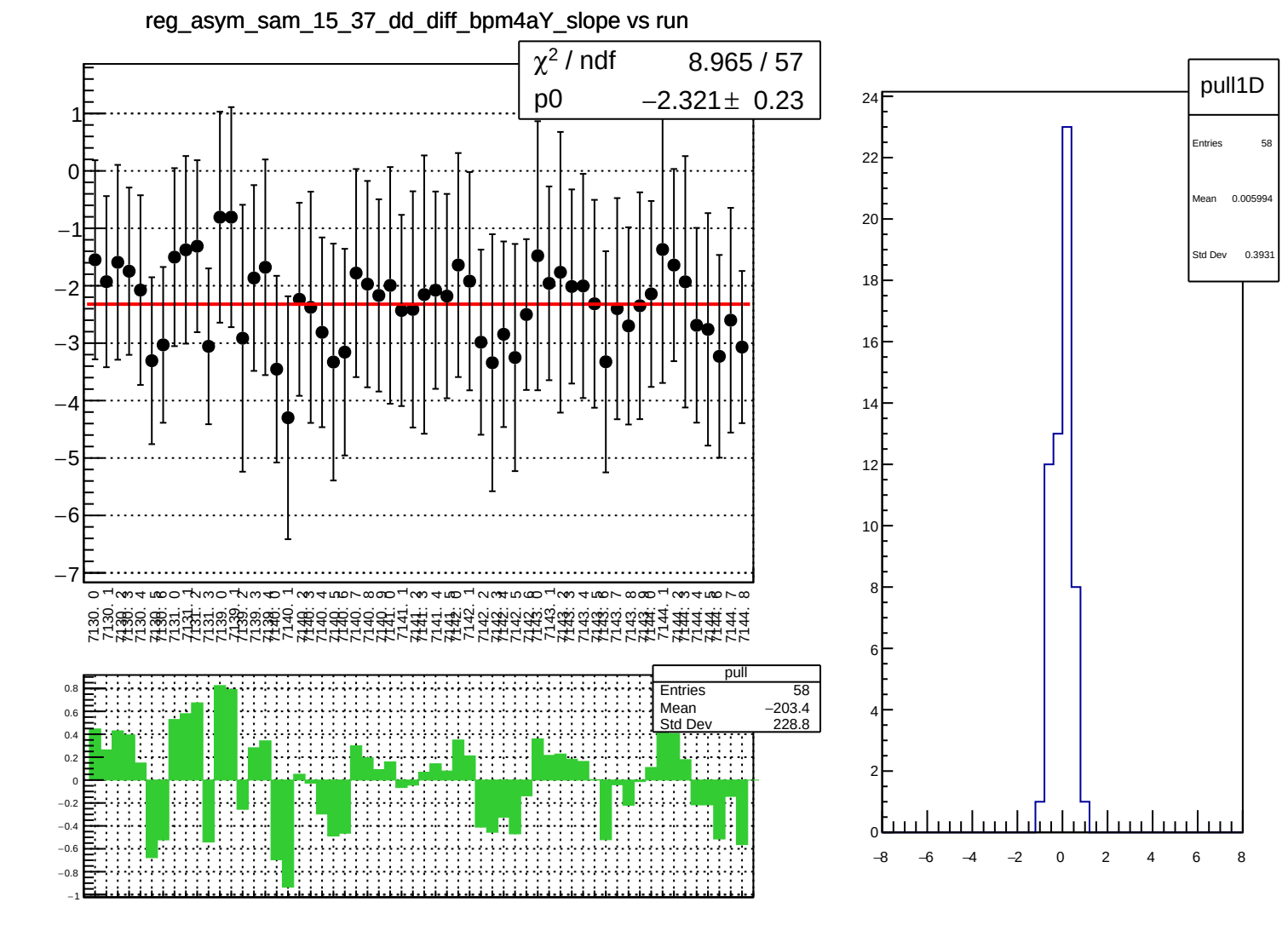

pull1D
Entries 58
Mean −0.01162
Std Dev 0.2974

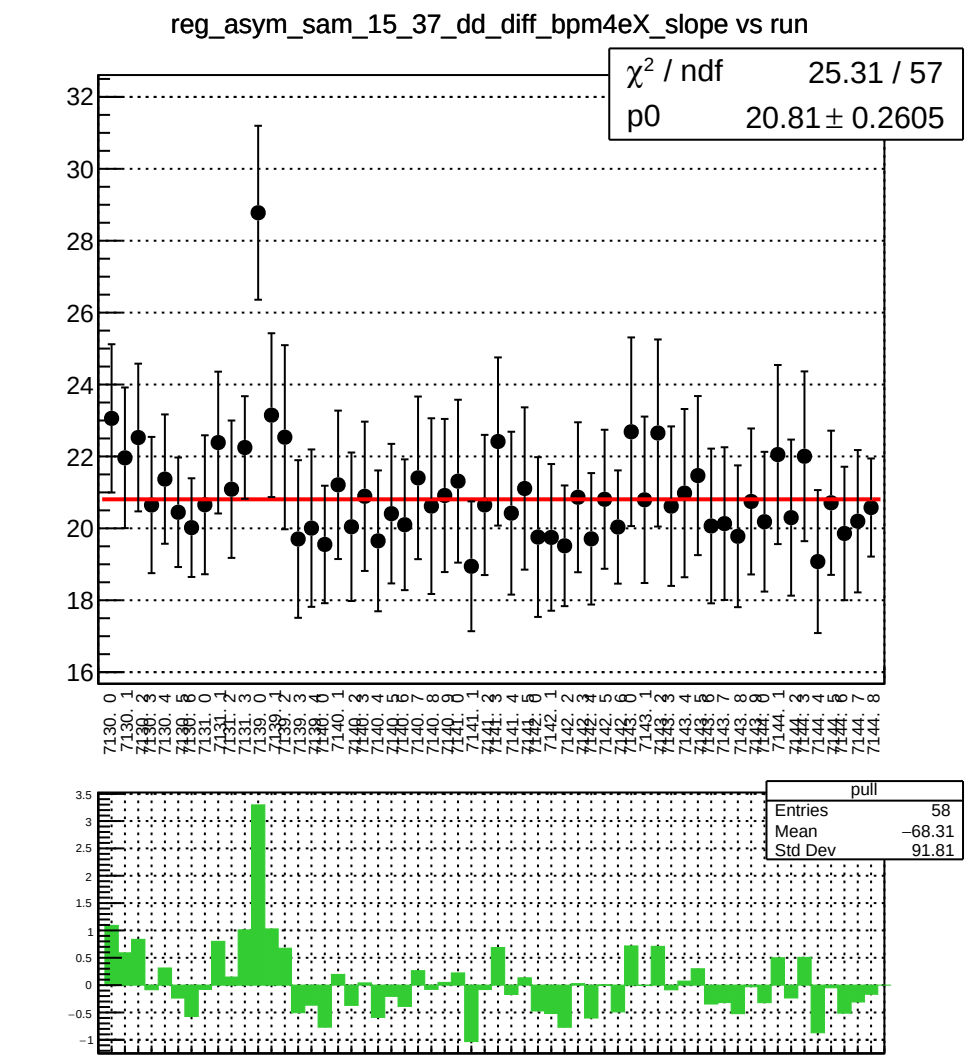

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 15.24 / 57
p0 0.01488 ± 0.01384
pull
Entries 58
Mean 242.9
Std Dev 215.6

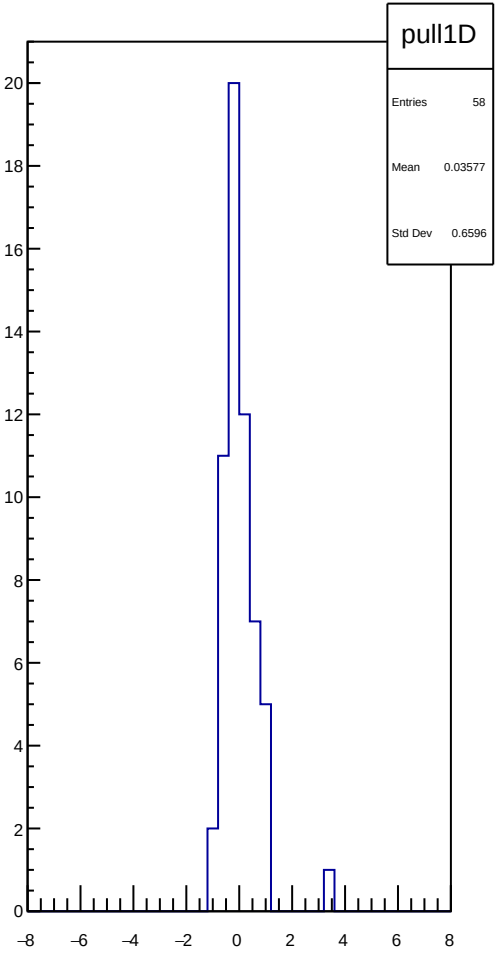

pull1D
Entries 58
Mean −0.03073
Std Dev 0.5117

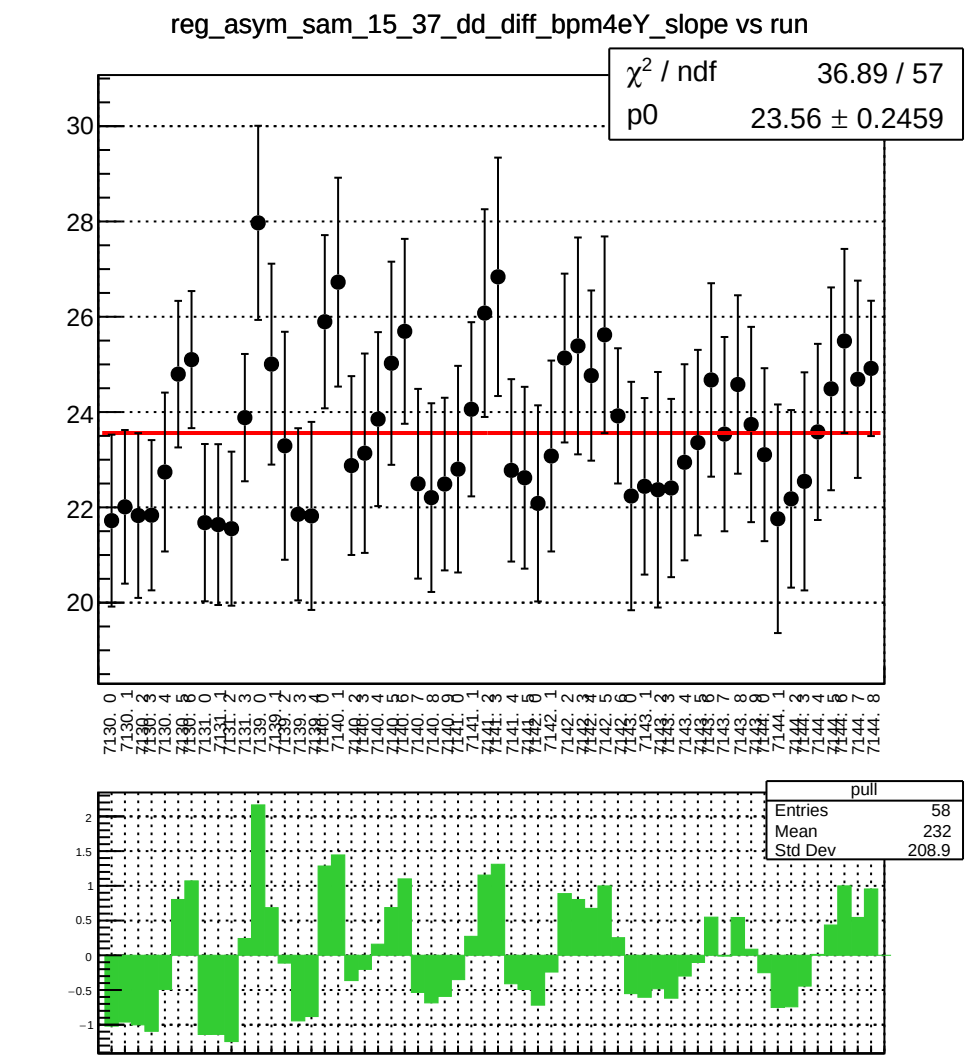

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 32.17 / 57
p0 2.935 ± 0.2564
pull
Entries 58
Mean −54.11
Std Dev 73.68

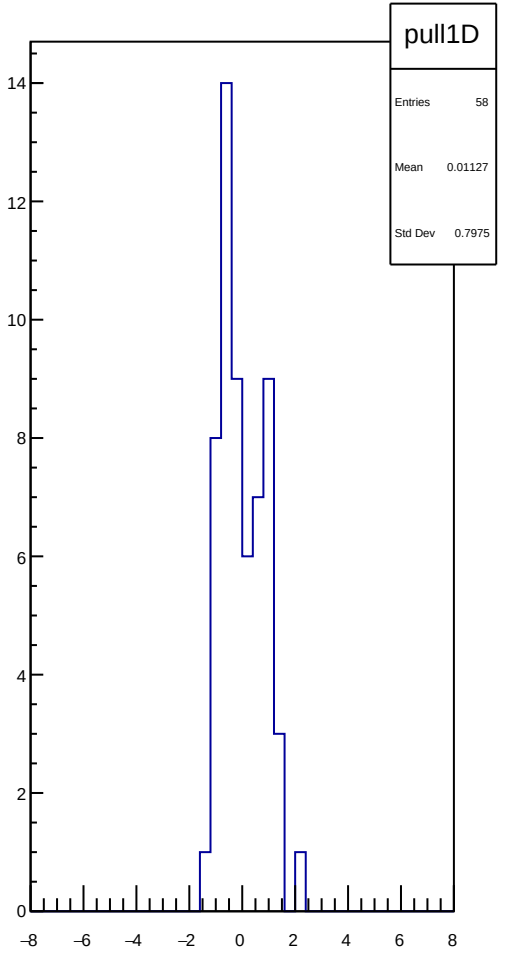

pull1D
Entries 58
Mean −0.04378
Std Dev 0.7434

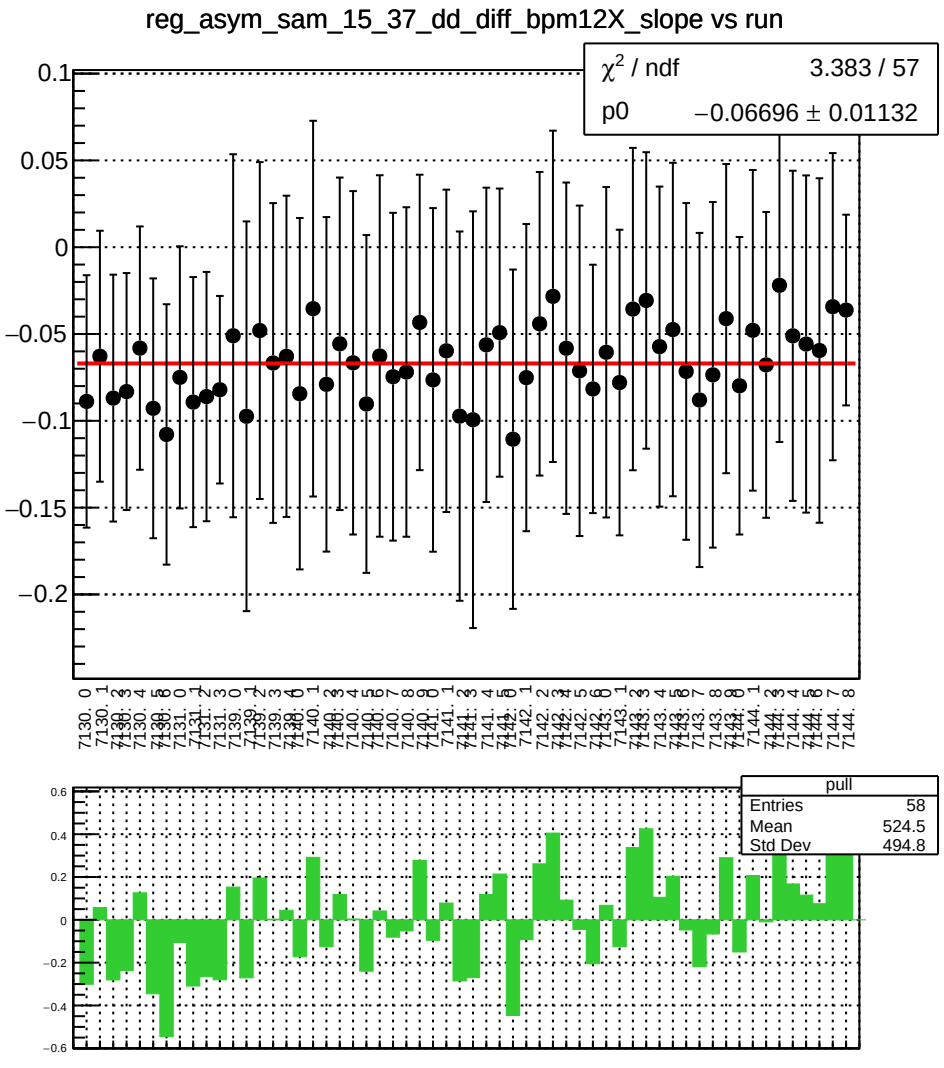

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.965 / 57
p0 −2.321 ± 0.23
pull
Entries 58
Mean −203.4
Std Dev 228.8
pull1D
Entries 58
Mean 0.005994
Std Dev 0.3931

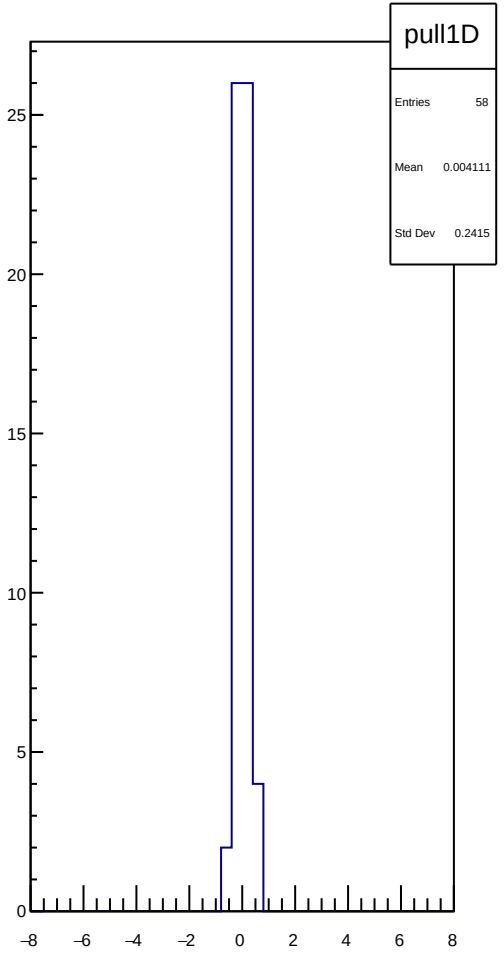

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.31 / 57
p0 20.81 ± 0.2605
pull
Entries 58
Mean −68.31
Std Dev 91.81

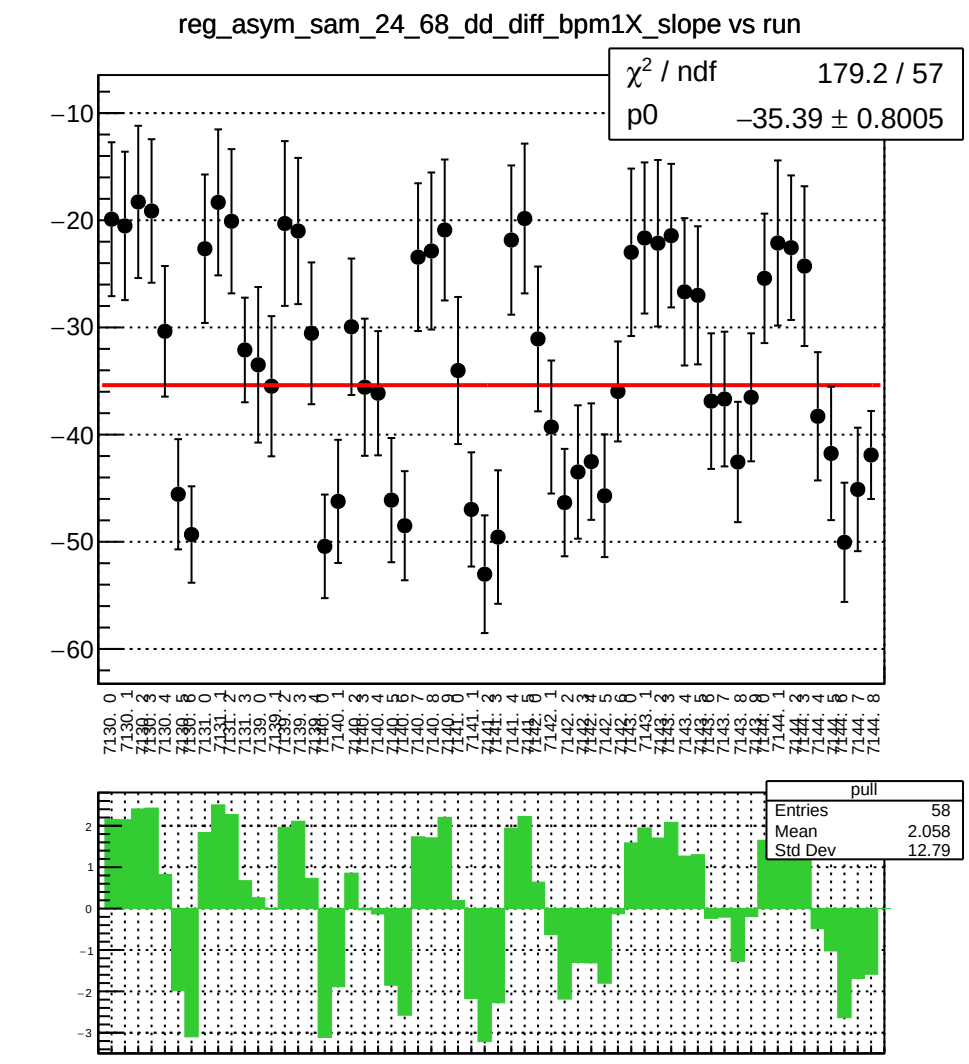

pull1D
Entries 58
Mean 0.03577
Std Dev 0.6596

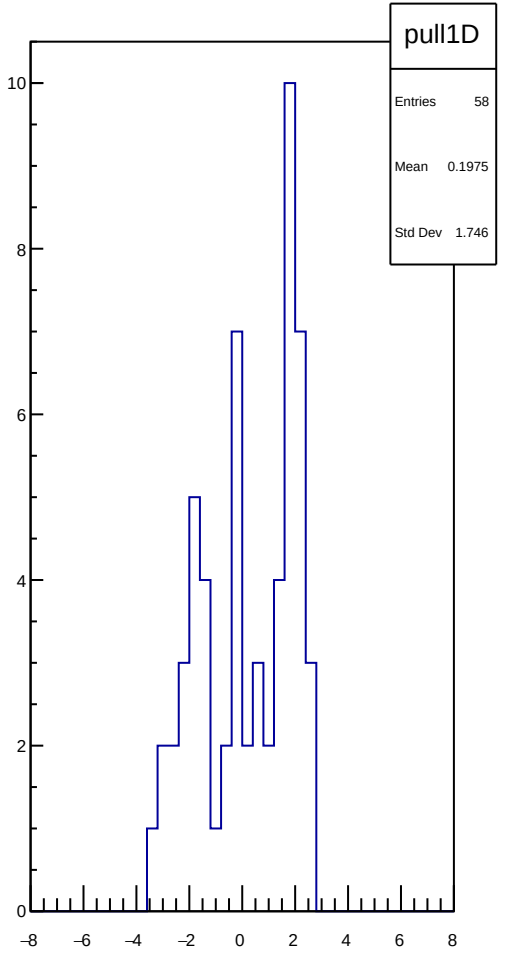

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.89 / 57
p0 23.56 ± 0.2459
pull
Entries 58
Mean 232
Std Dev 208.9

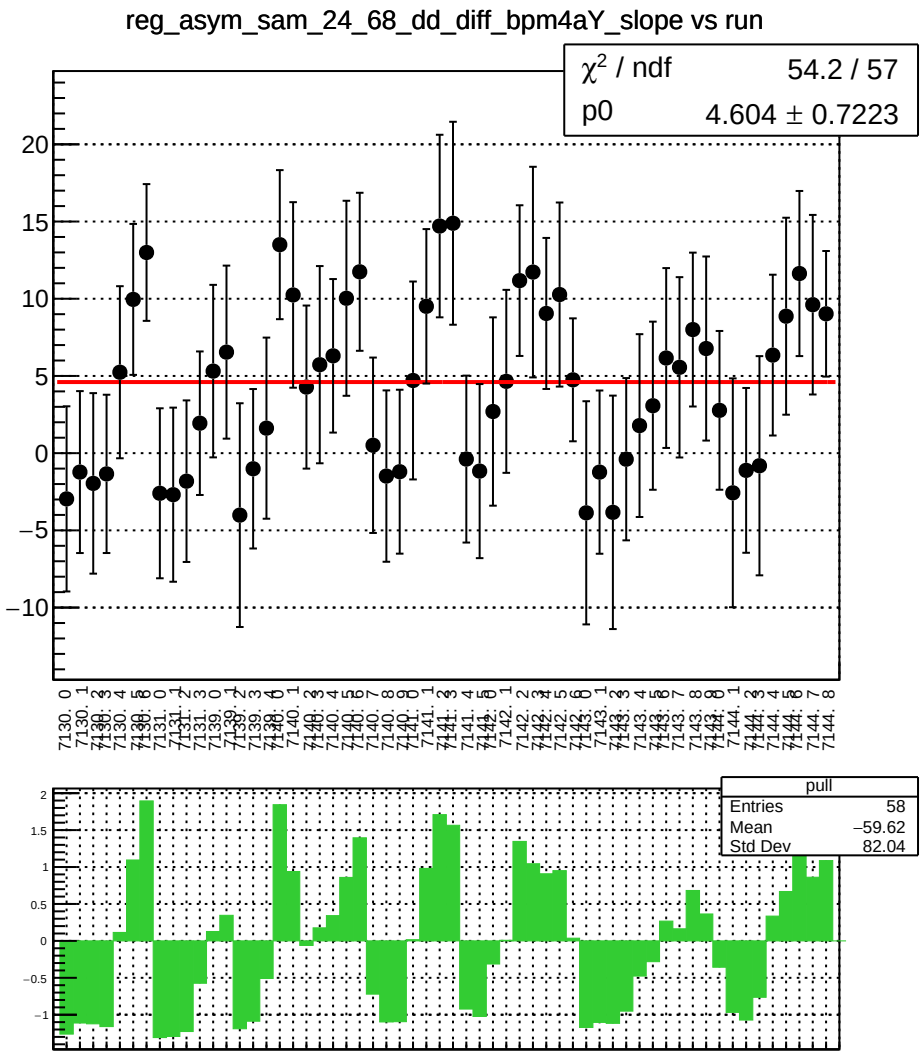

pull1D
Entries 58
Mean 0.01127
Std Dev 0.7975

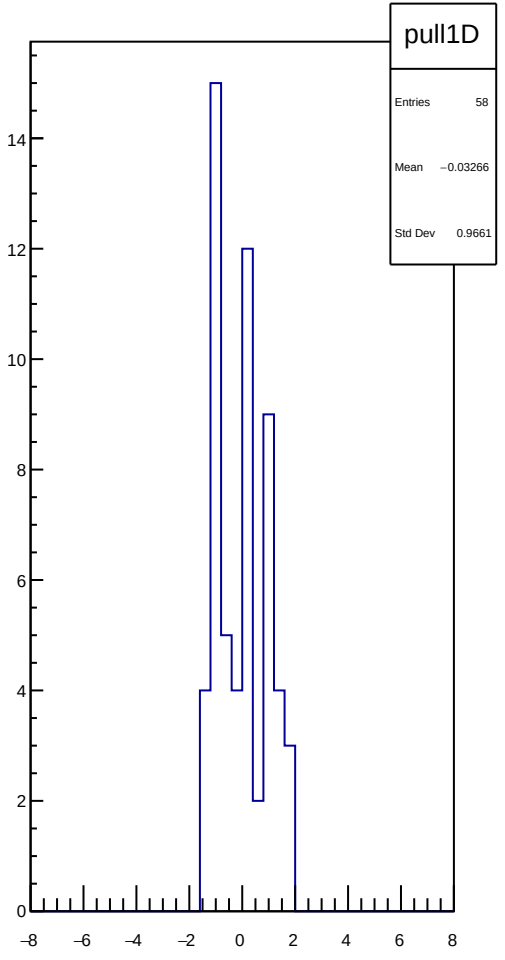

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.383 / 57
p0 −0.06696 ± 0.01132
pull
Entries 58
Mean 524.5
Std Dev 494.8

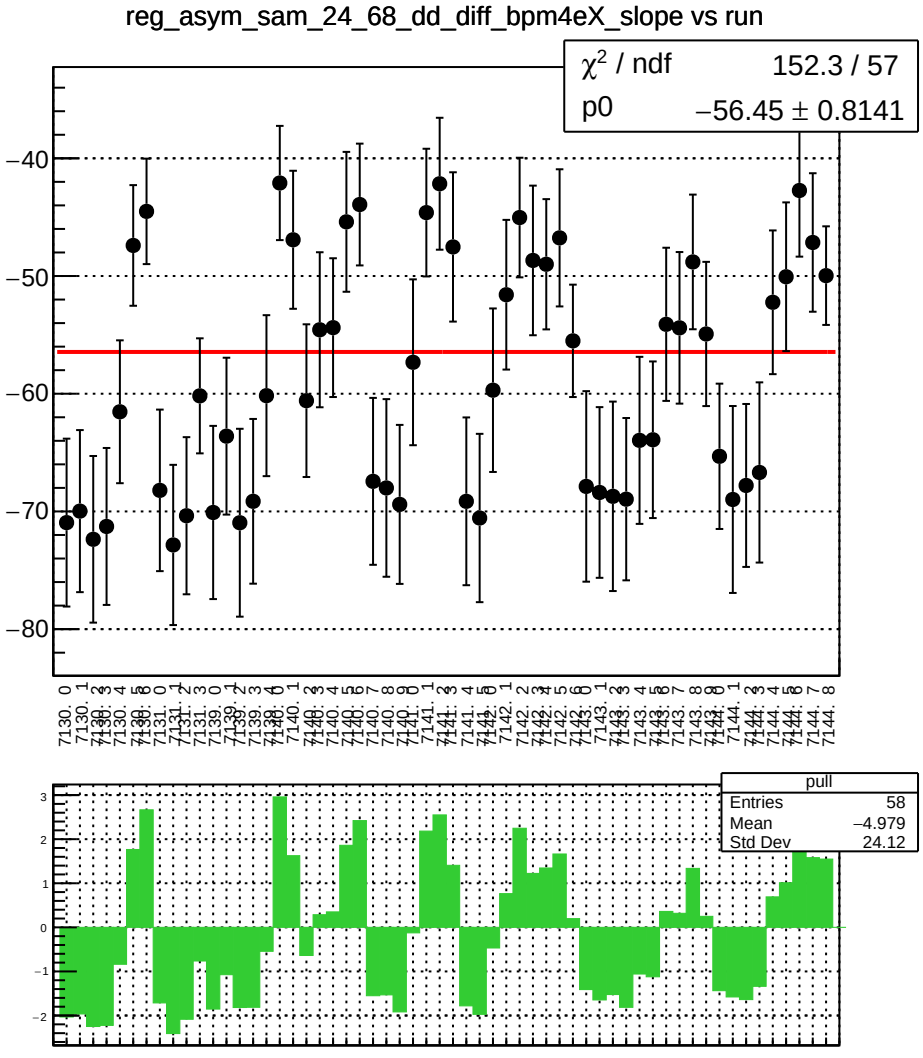

pull1D
Entries 58
Mean 0.004111
Std Dev 0.2415

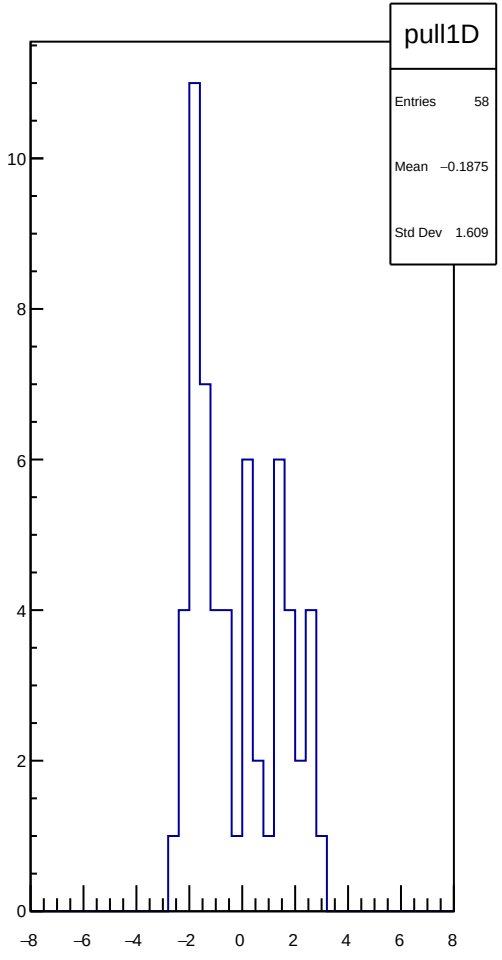

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 179.2 / 57
p0 −35.39 ± 0.8005
pull
Entries 58
Mean 2.058
Std Dev 12.79

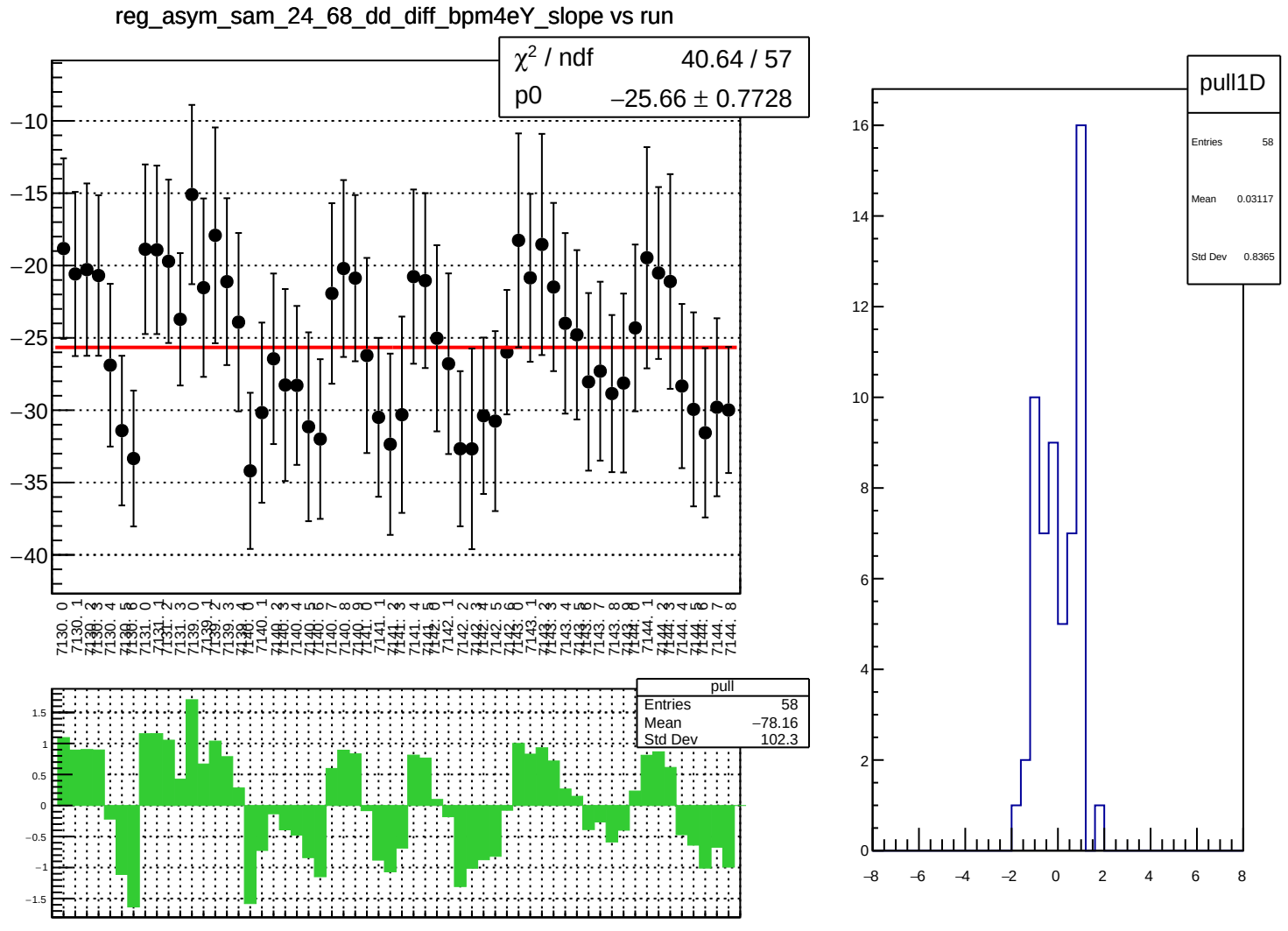

pull1D
Entries 58
Mean 0.1975
Std Dev 1.746

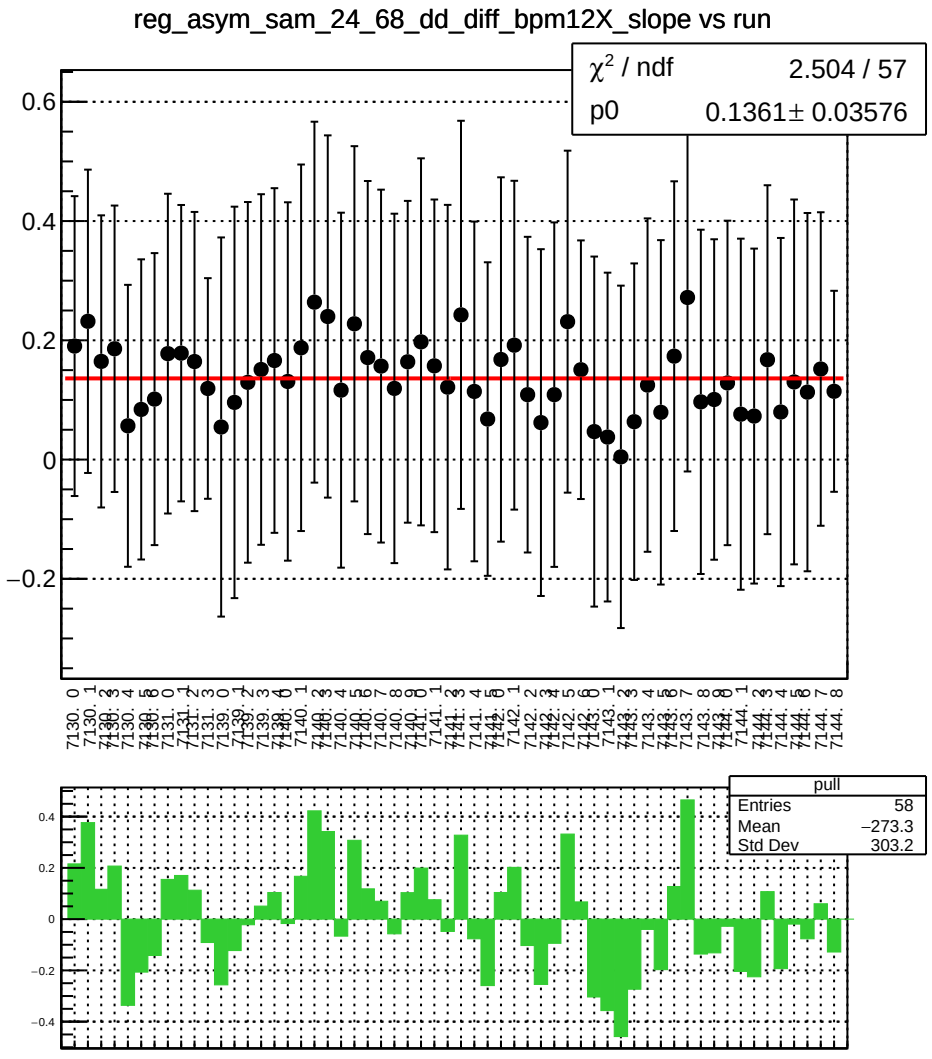

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.2 / 57
p0 4.604 ± 0.7223
pull
Entries 58
Mean −59.62
Std Dev 82.04

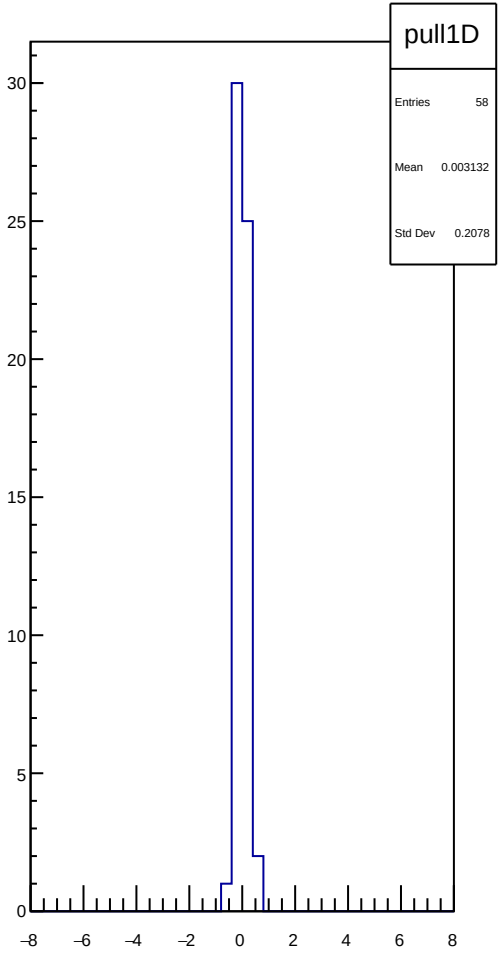

pull1D
Entries 58
Mean −0.03266
Std Dev 0.9661

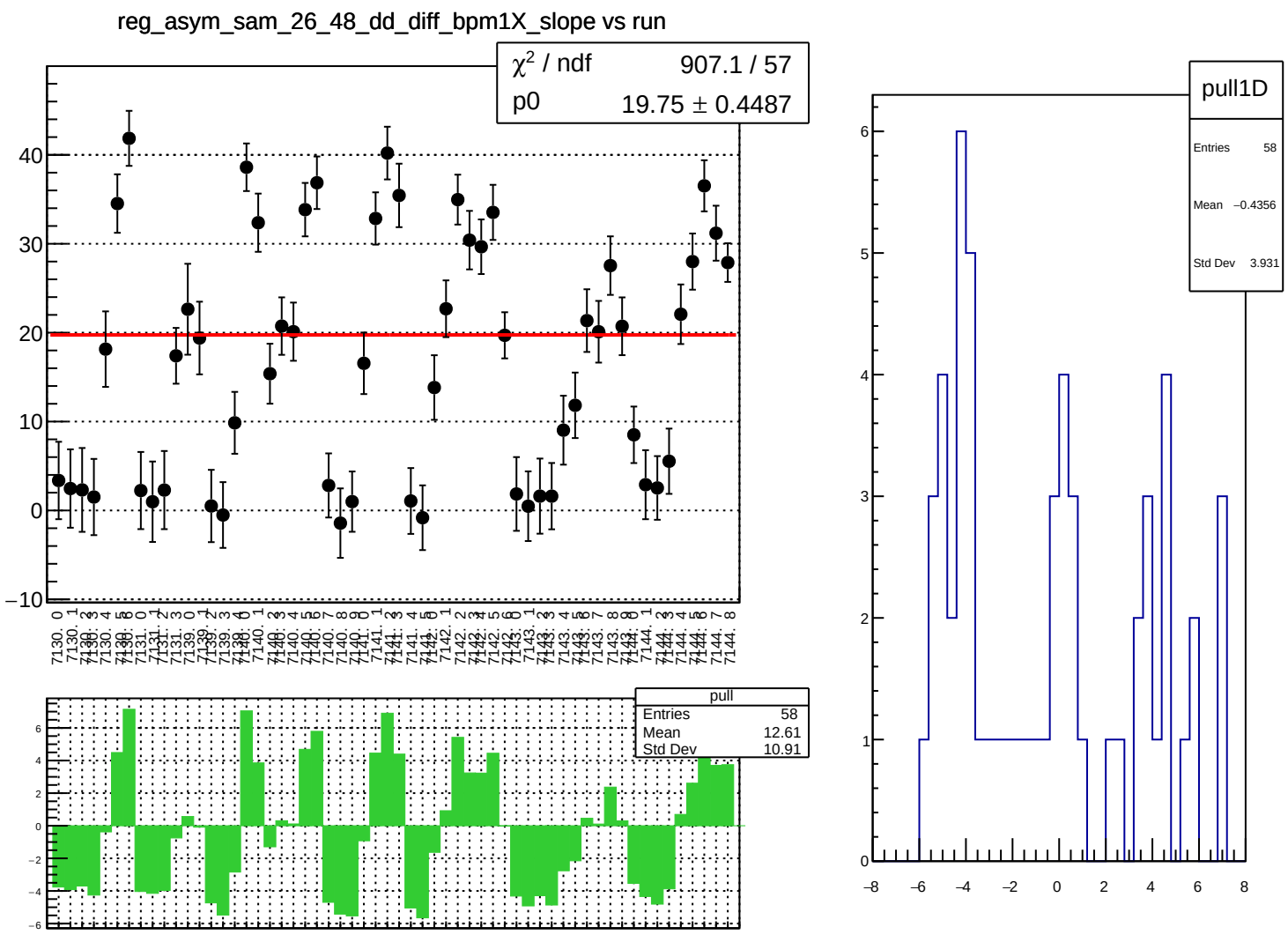

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 152.3 / 57
p0 −56.45 ± 0.8141
pull
Entries 58
Mean −4.979
Std Dev 24.12

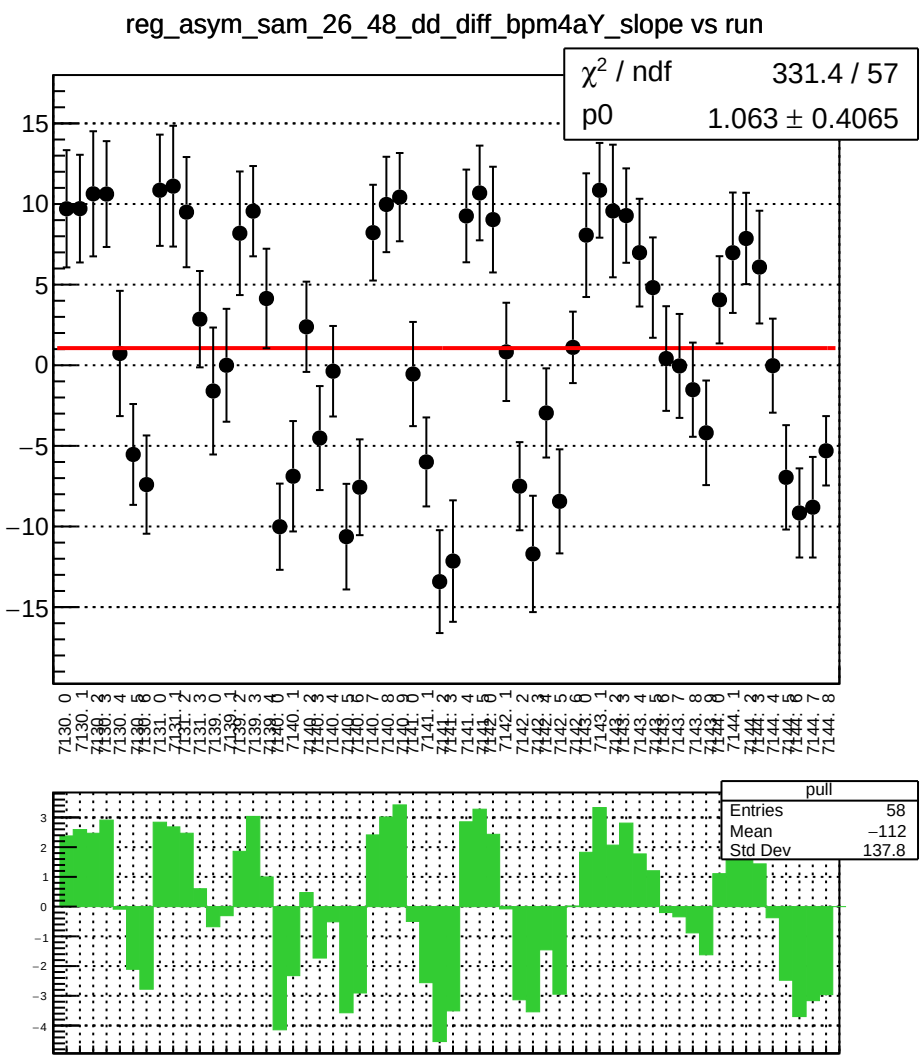

pull1D
Entries 58
Mean −0.1875
Std Dev 1.609

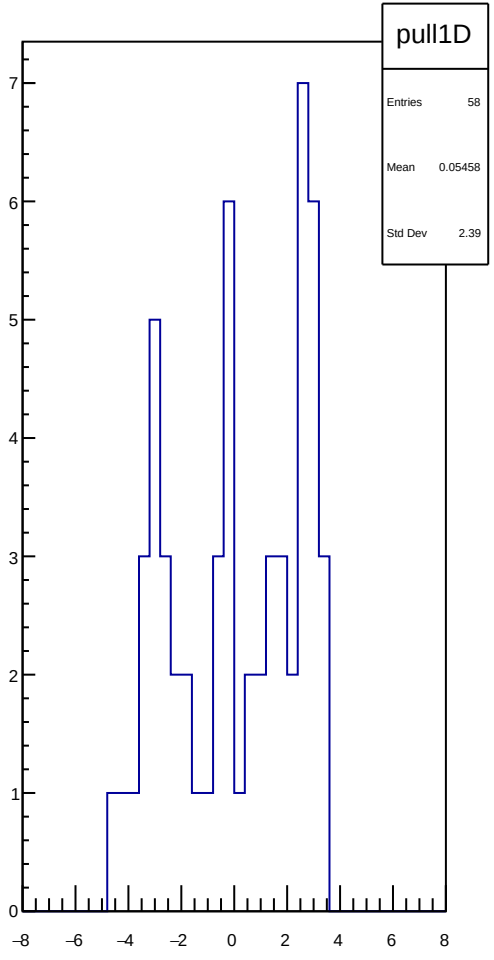

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.64 / 57
p0 −25.66 ± 0.7728
pull
Entries 58
Mean −78.16
Std Dev 102.3
pull1D
Entries 58
Mean 0.03117
Std Dev 0.8365

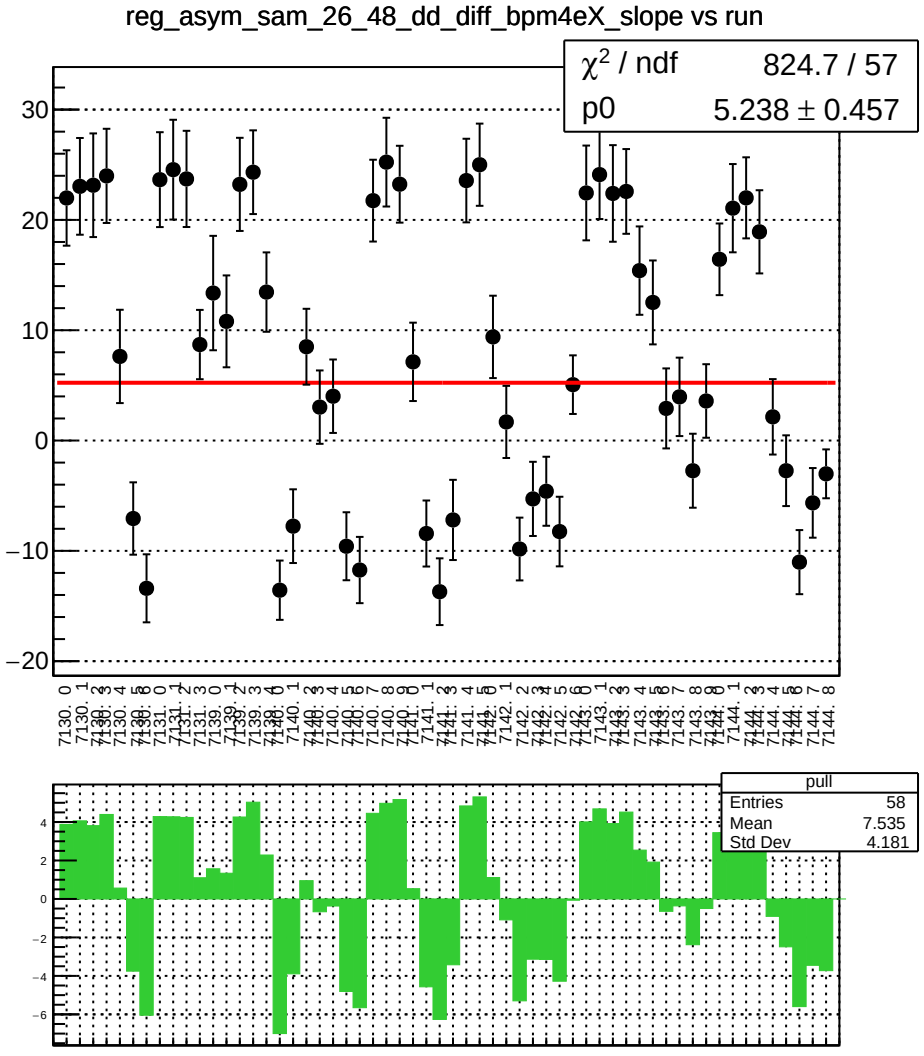

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.504 / 57
p0 0.1361± 0.03576
pull
Entries 58
Mean −273.3
Std Dev 303.2

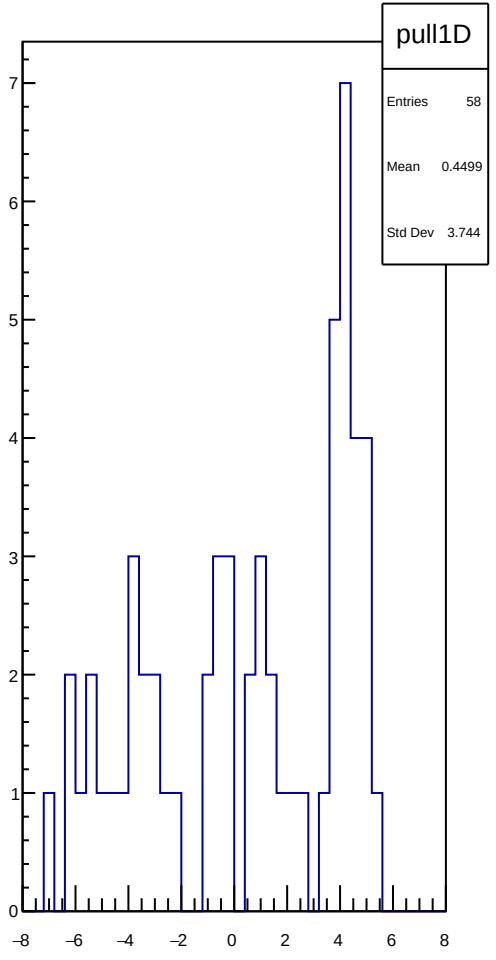

pull1D
Entries 58
Mean 0.003132
Std Dev 0.2078

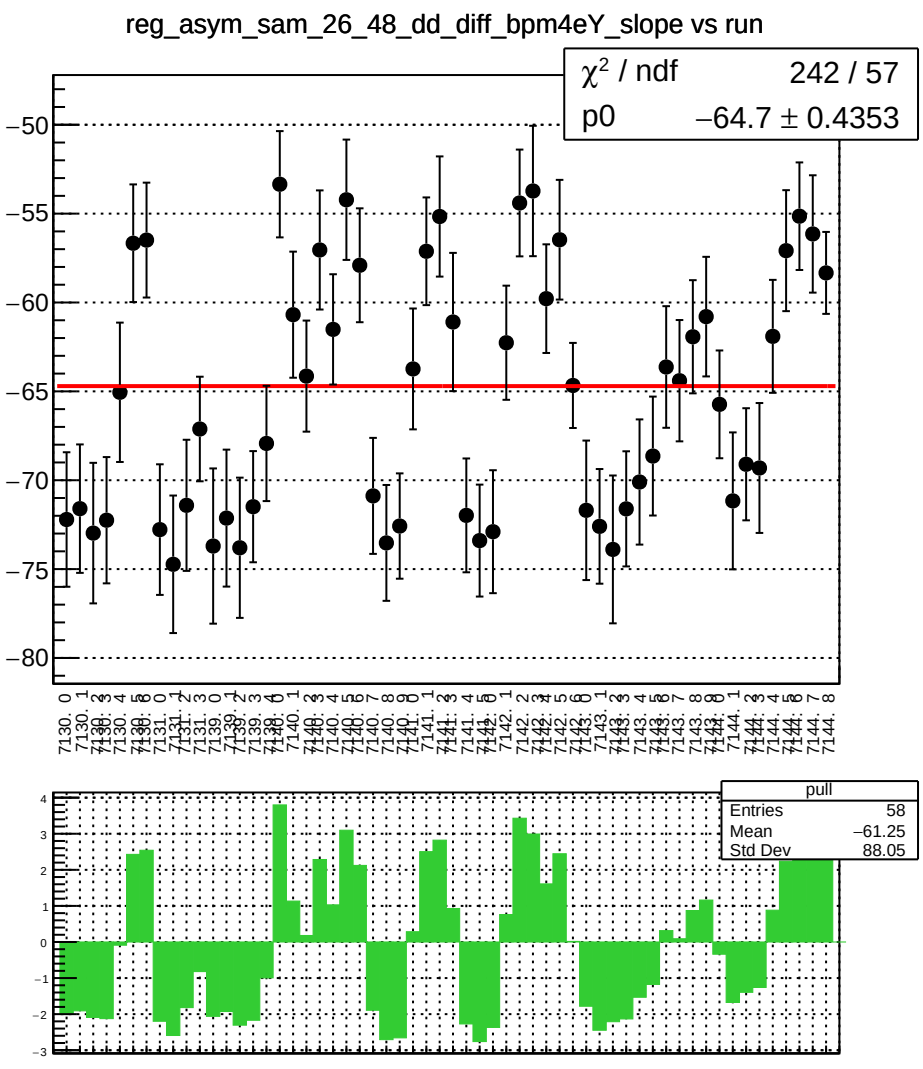

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 907.1 / 57
p0 19.75 ± 0.4487
pull
Entries 58
Mean 12.61
Std Dev 10.91
pull1D
Entries 58
Mean −0.4356
Std Dev 3.931

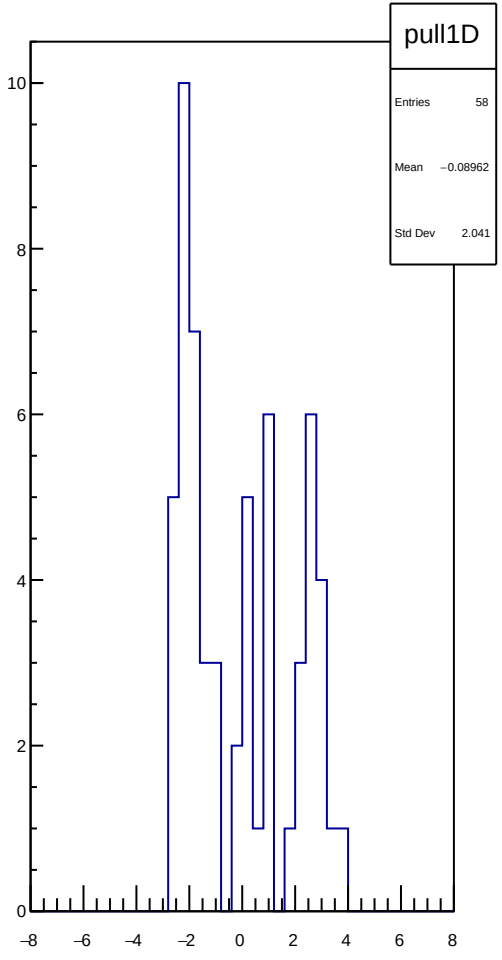

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 331.4 / 57
p0 1.063 ± 0.4065
pull
Entries 58
Mean −112
Std Dev 137.8

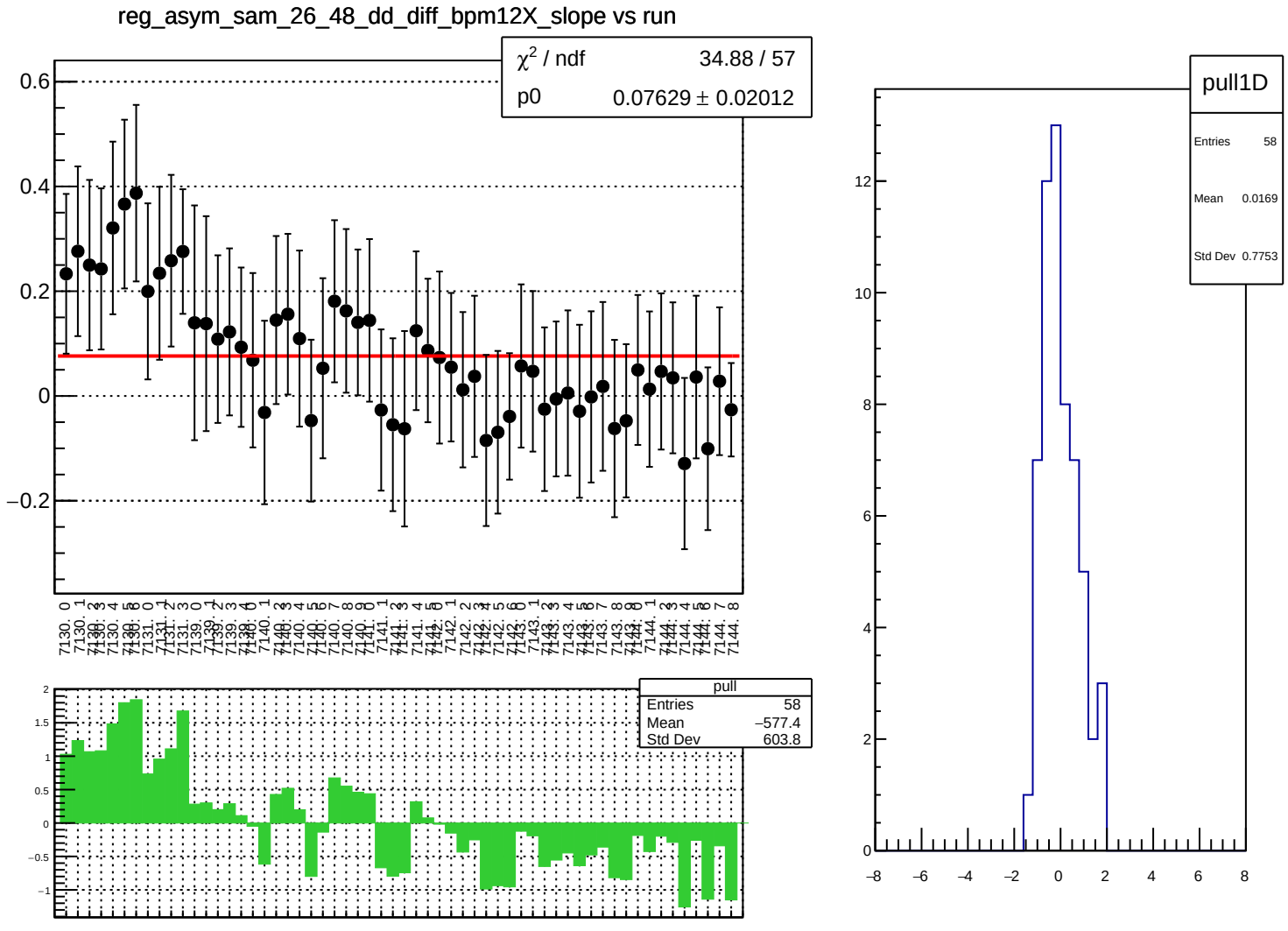

pull1D
Entries 58
Mean 0.05458
Std Dev 2.39

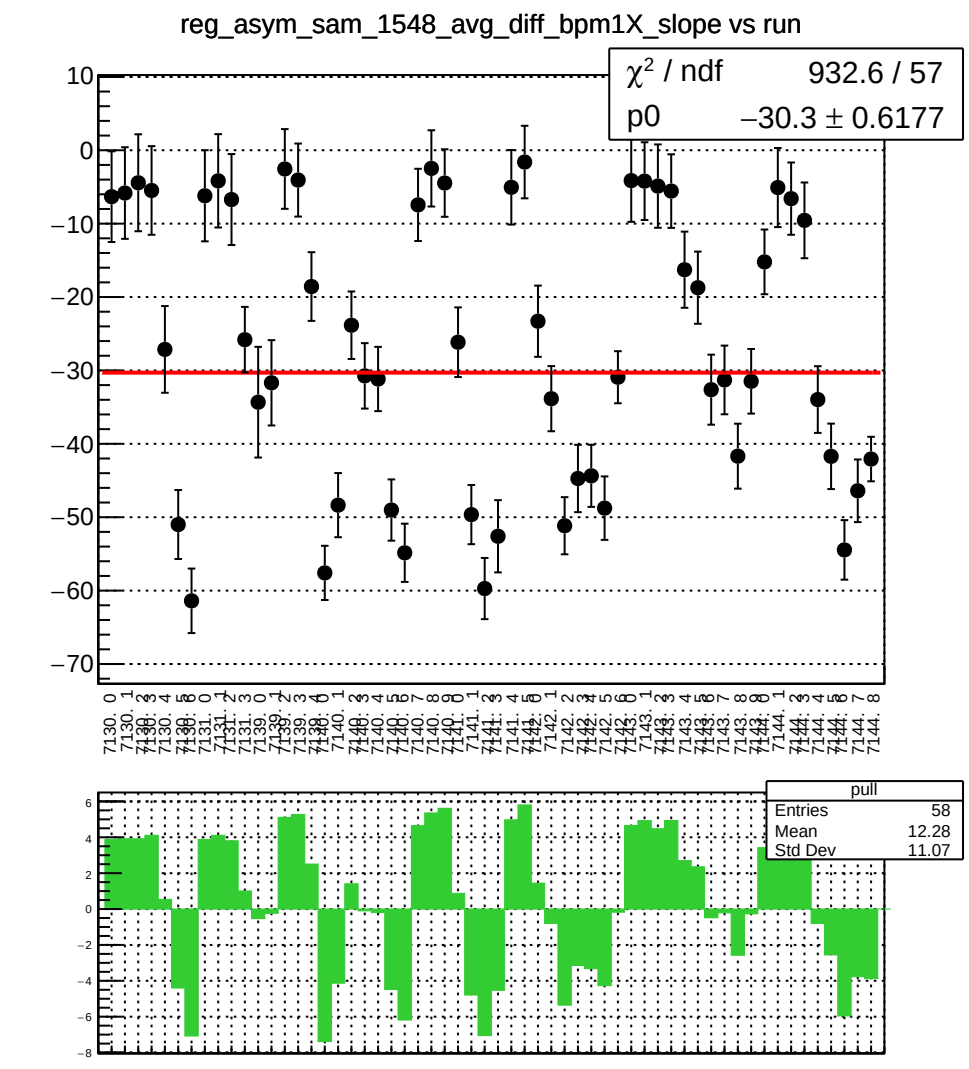

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 824.7 / 57
p0 5.238 ± 0.457
pull
Entries 58
Mean 7.535
Std Dev 4.181

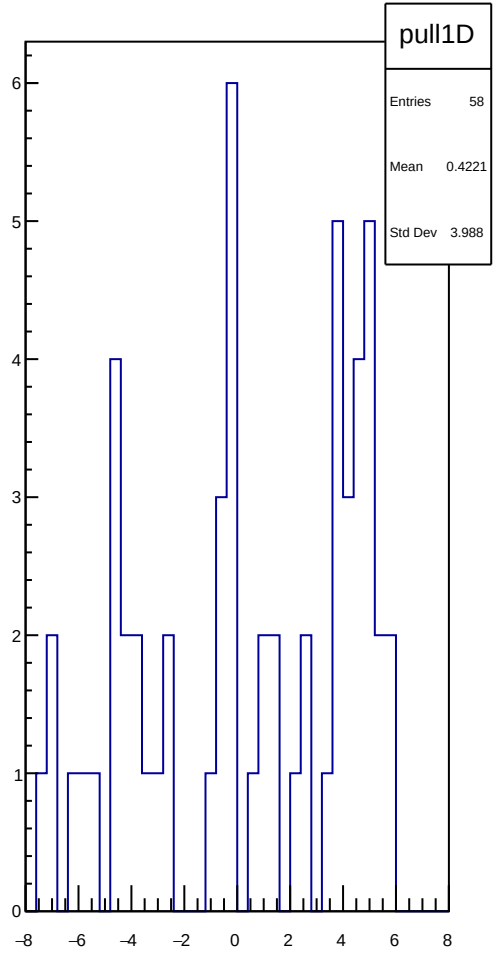

pull1D
Entries 58
Mean 0.4499
Std Dev 3.744

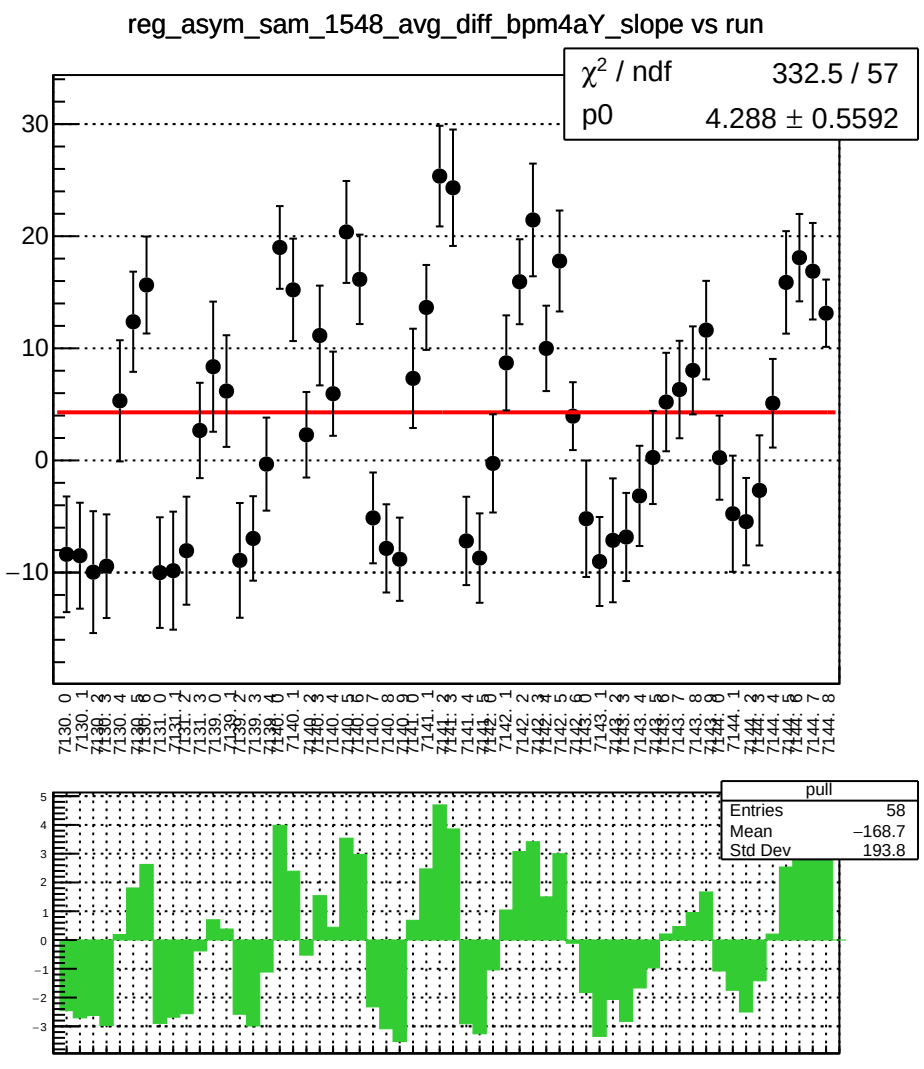

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 242 / 57
p0 −64.7 ± 0.4353
pull
Entries 58
Mean −61.25
Std Dev 88.05

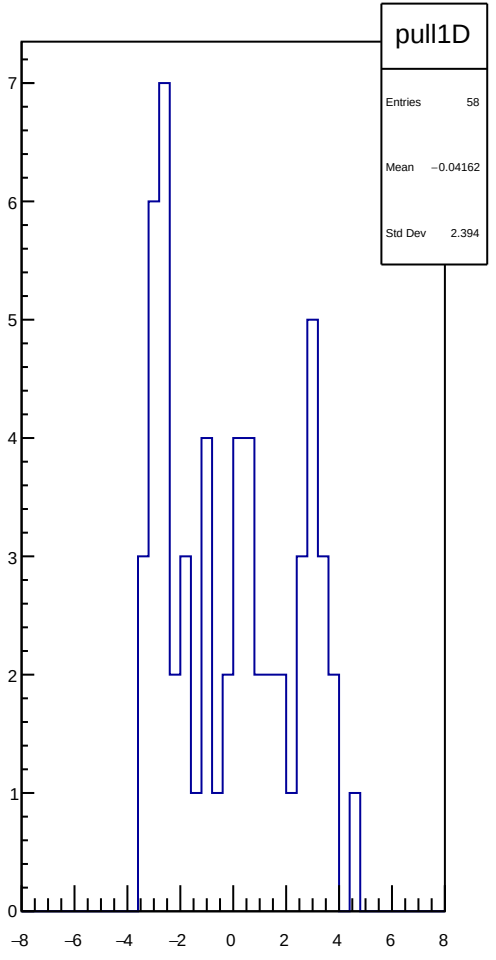

pull1D
Entries 58
Mean −0.08962
Std Dev 2.041

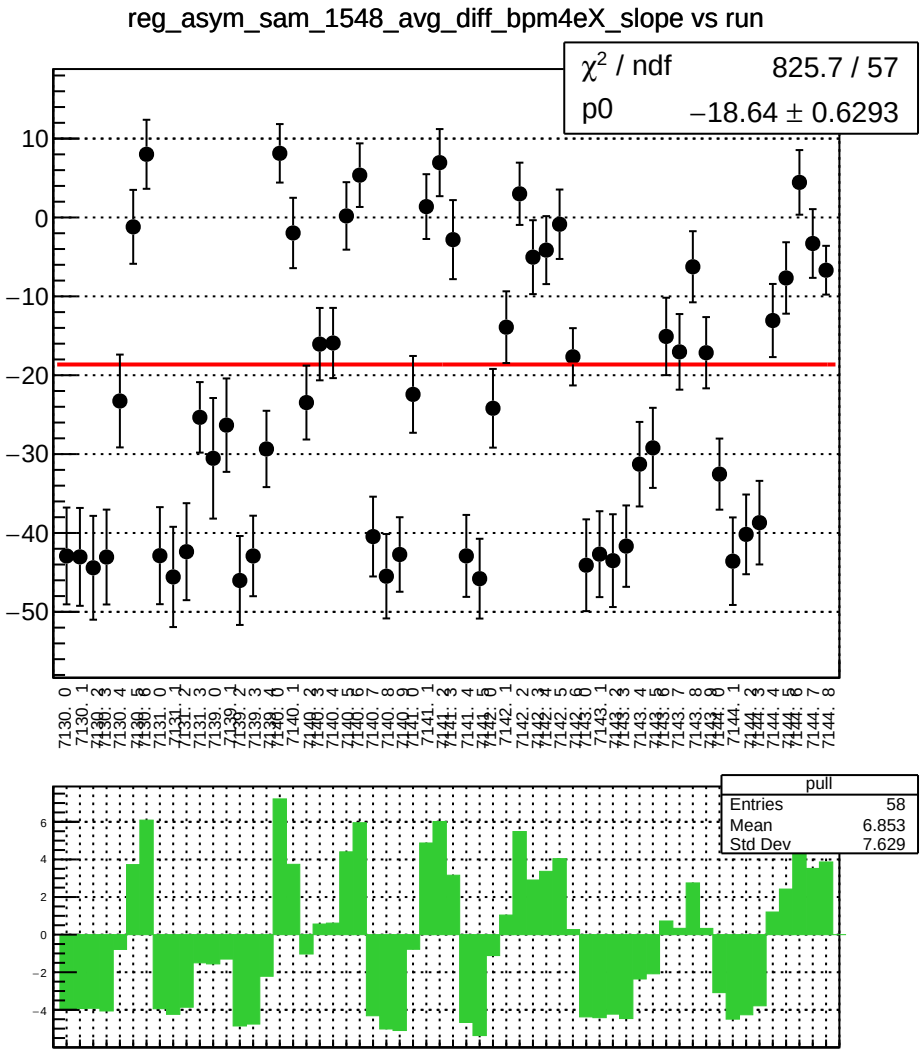

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 34.88 / 57
p0 0.07629 ± 0.02012
pull
Entries 58
Mean −577.4
Std Dev 603.8
pull1D
Entries 58
Mean 0.0169
Std Dev 0.7753

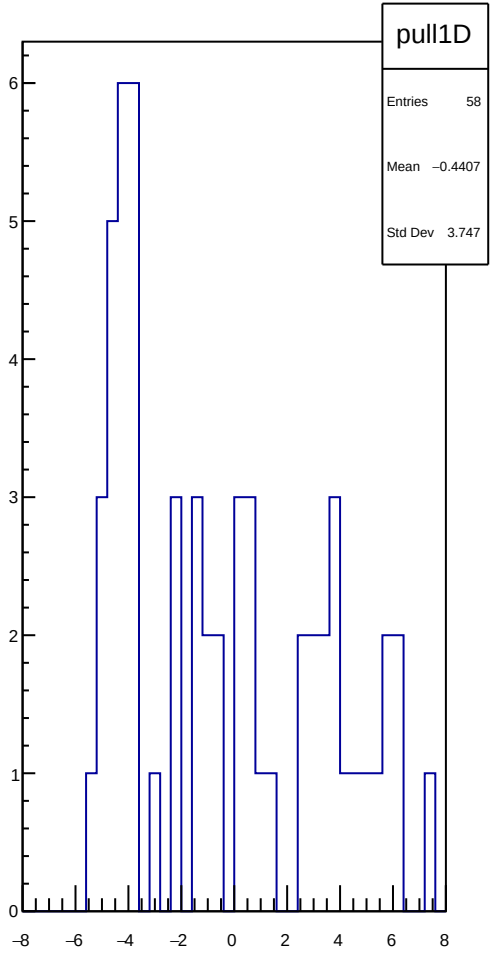

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 932.6 / 57
p0 −30.3 ± 0.6177
pull
Entries 58
Mean 12.28
Std Dev 11.07

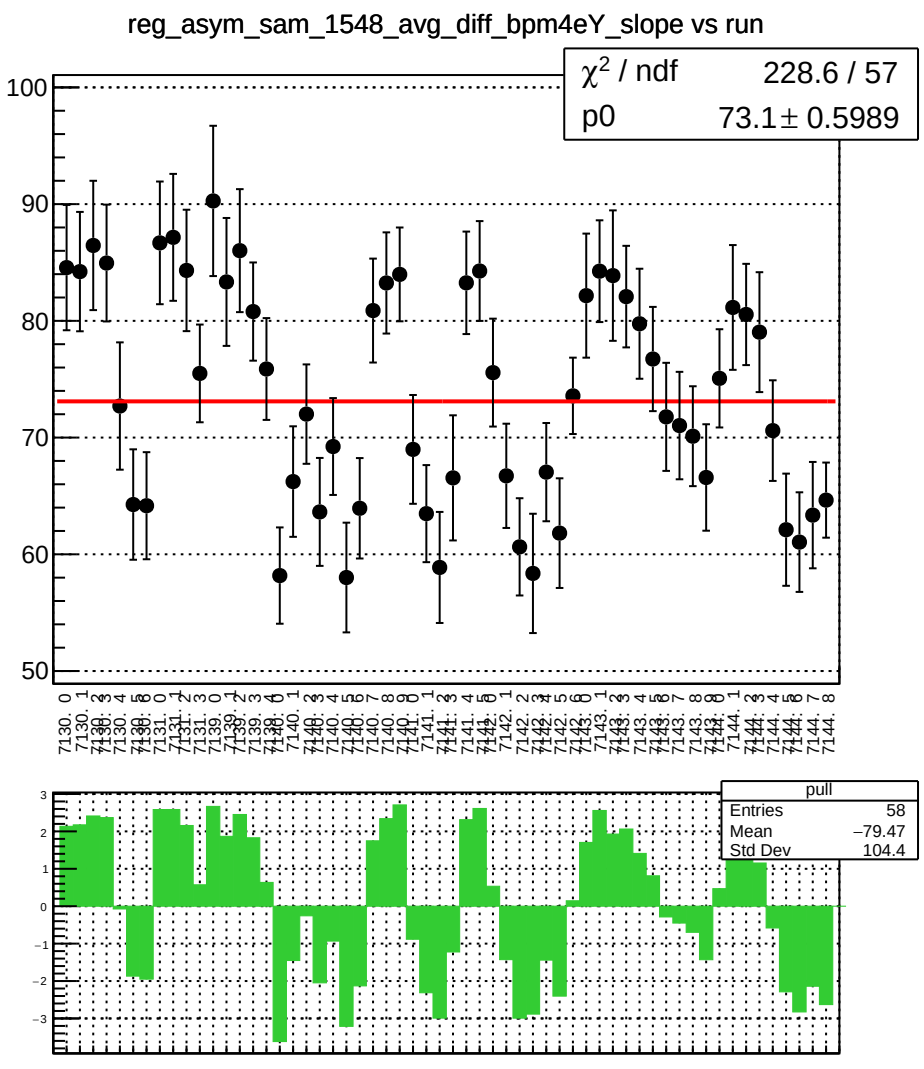

pull1D
Entries 58
Mean 0.4221
Std Dev 3.988

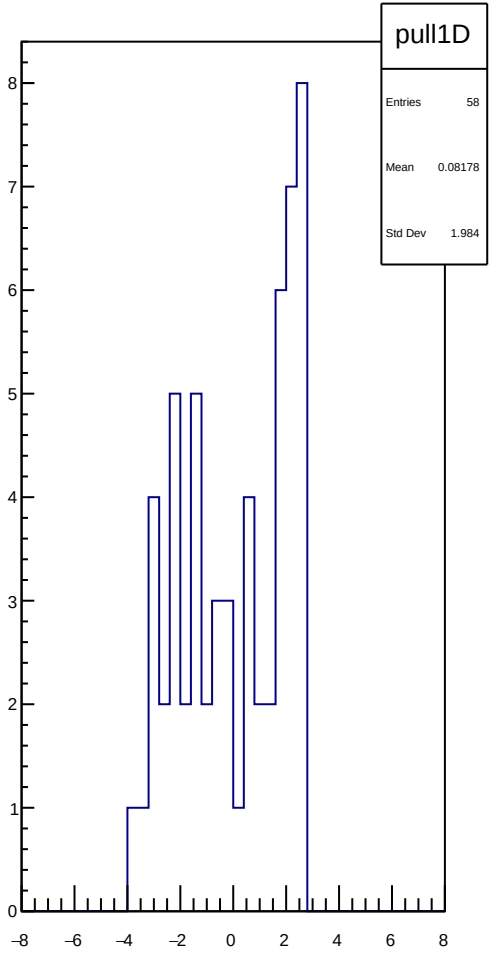

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 332.5 / 57
p0 4.288 ± 0.5592
pull
Entries 58
Mean −168.7
Std Dev 193.8

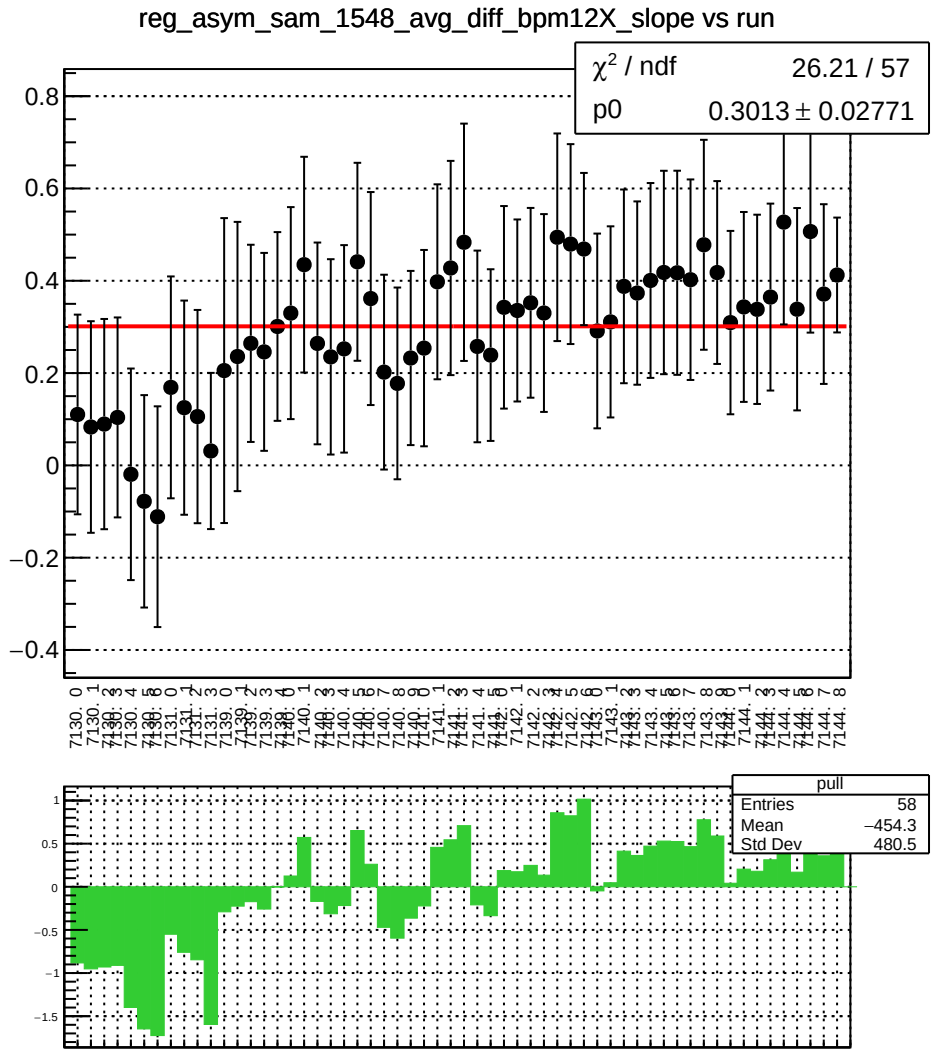

pull1D
Entries 58
Mean −0.04162
Std Dev 2.394

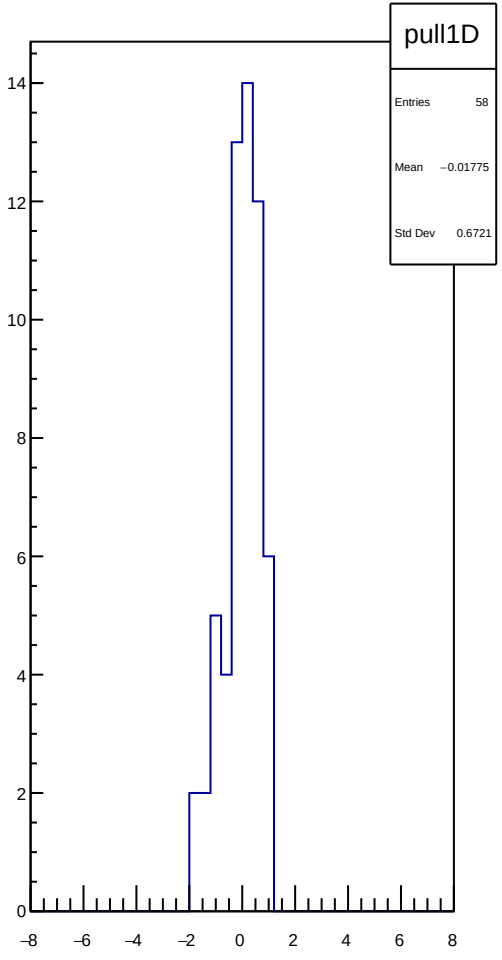

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 825.7 / 57
p0 −18.64 ± 0.6293
pull
Entries 58
Mean 6.853
Std Dev 7.629

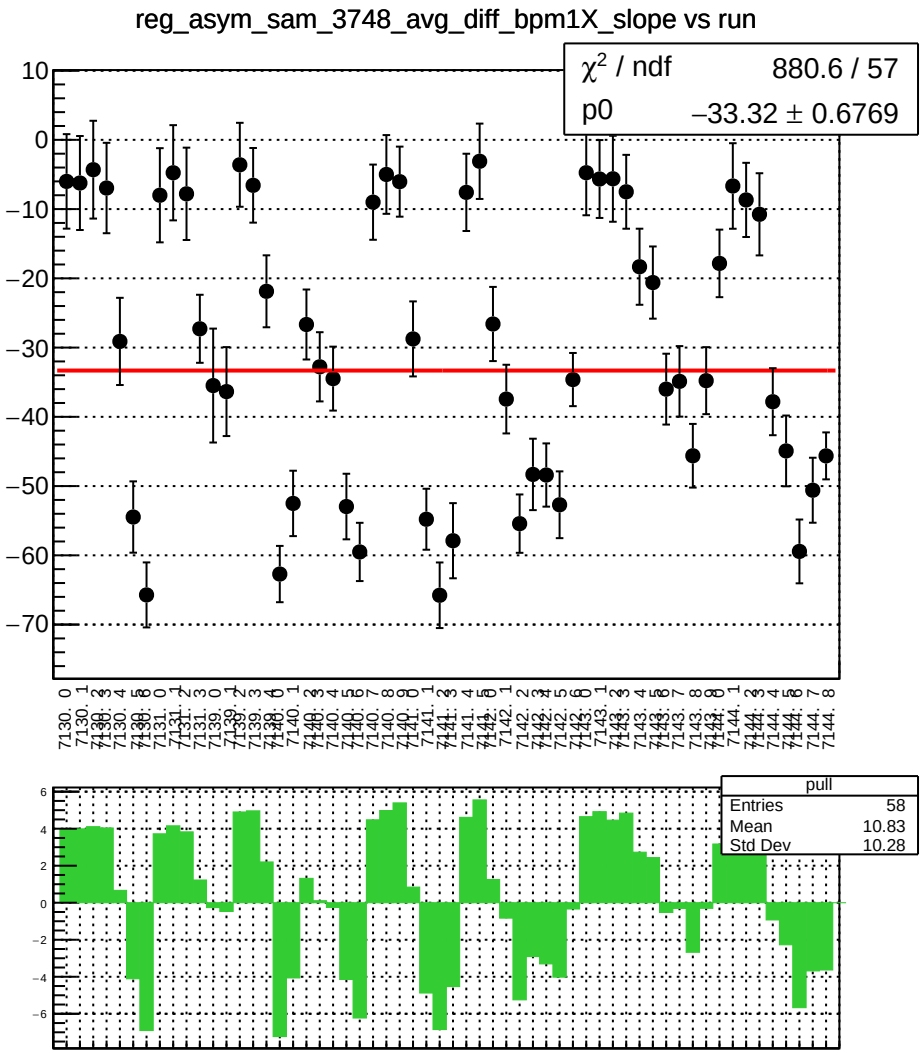

pull1D
Entries 58
Mean −0.4407
Std Dev 3.747

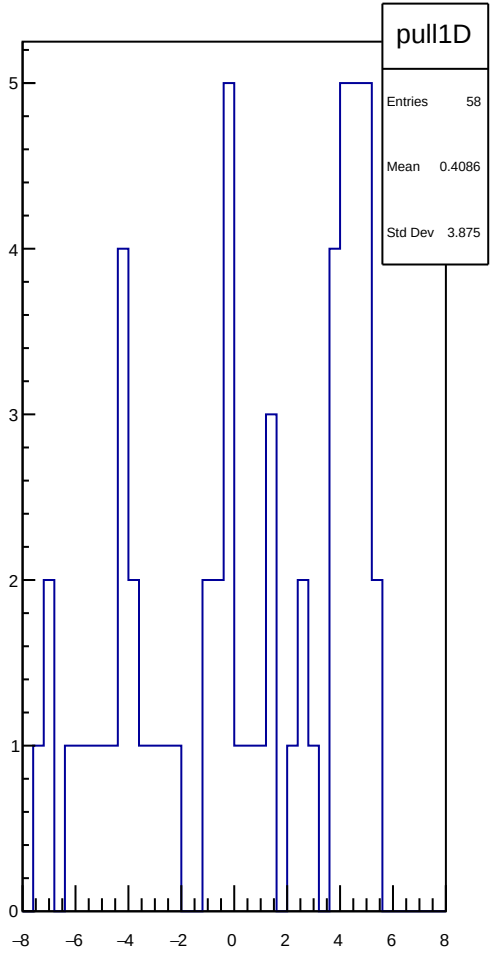

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 228.6 / 57
p0 73.1 ± 0.5989
pull
Entries 58
Mean −79.47
Std Dev 104.4

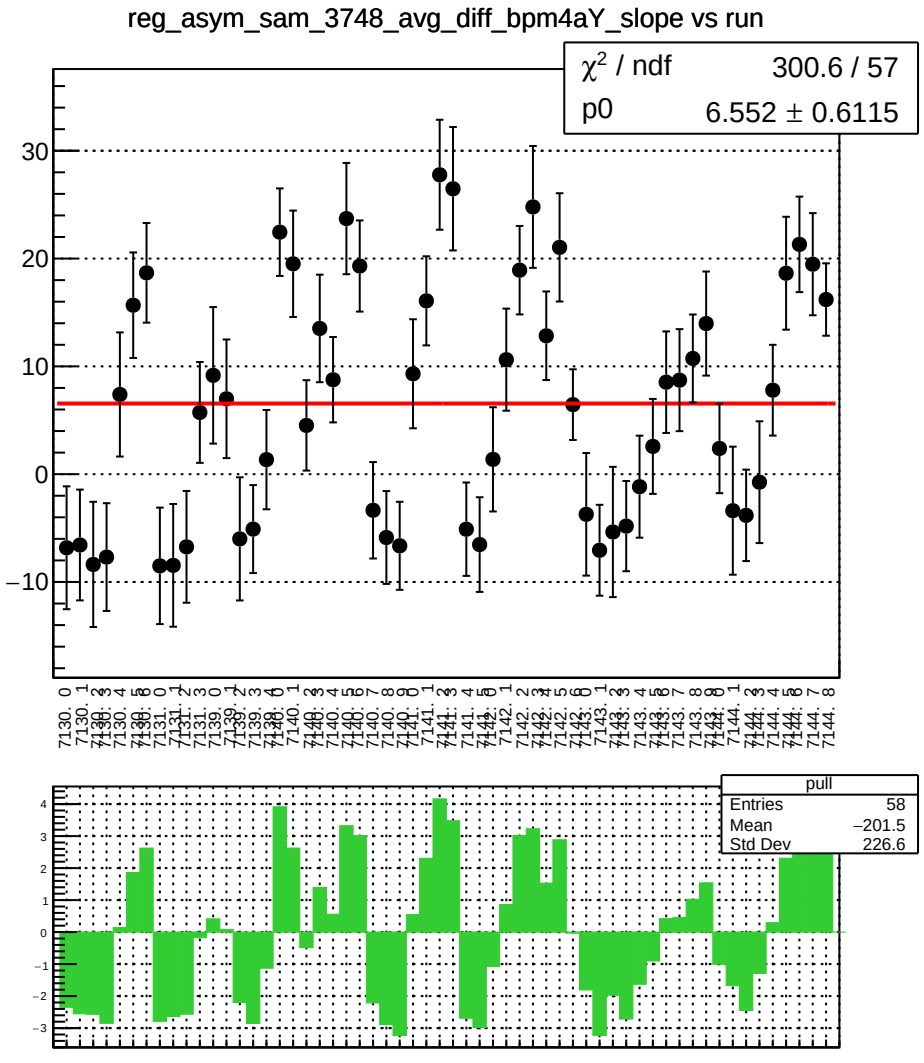

pull1D
Entries 58
Mean 0.08178
Std Dev 1.984

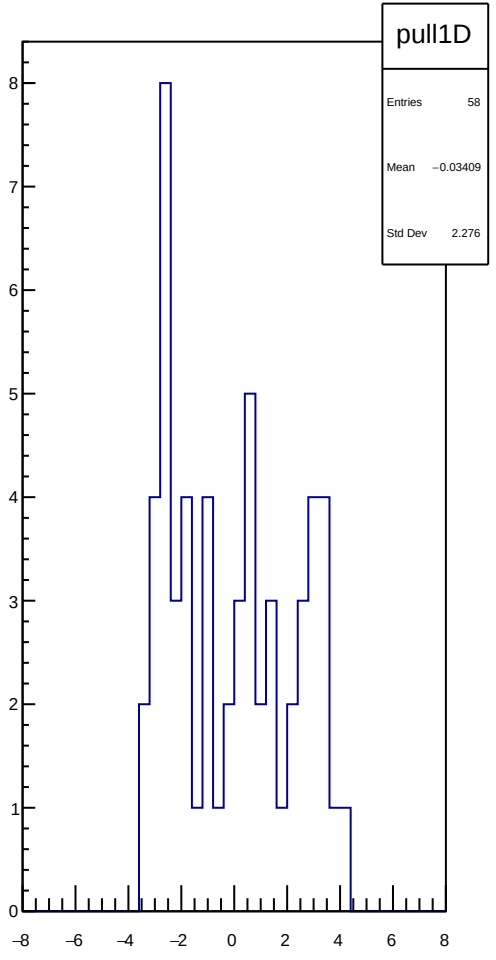

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 26.21 / 57
p0 0.3013 ± 0.02771
pull
Entries 58
Mean −454.3
Std Dev 480.5

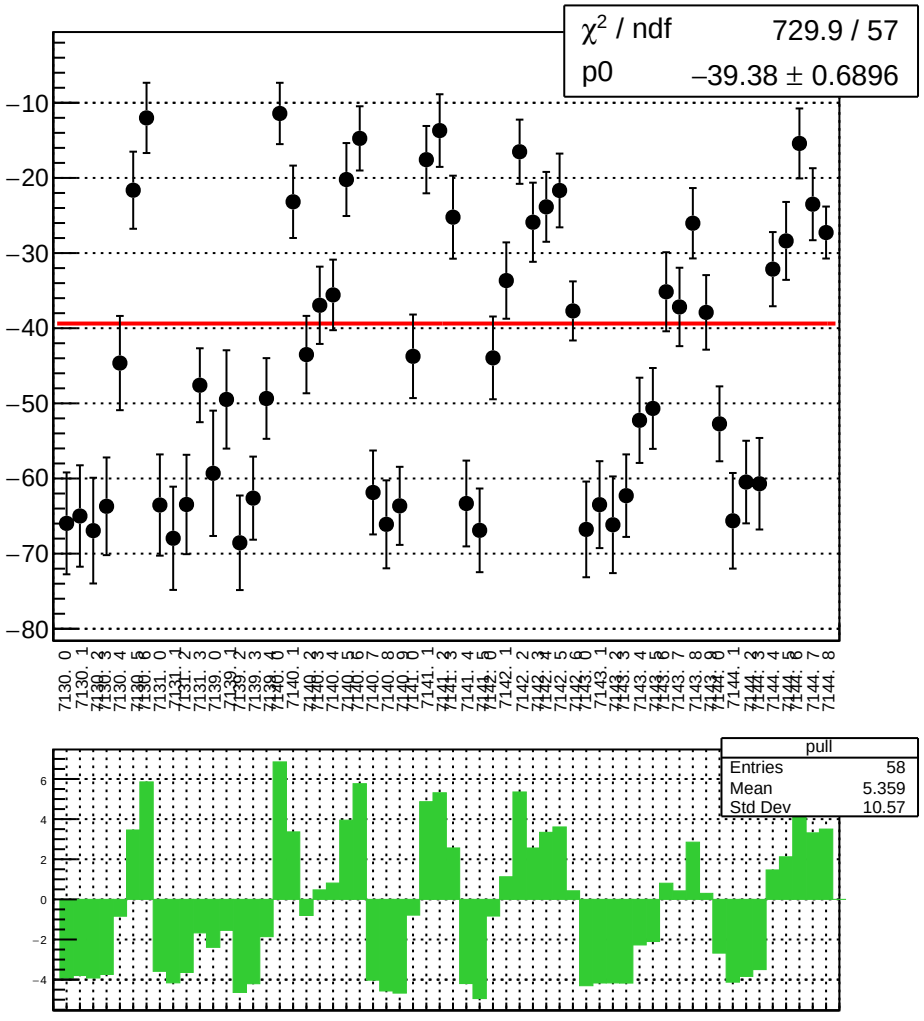

pull1D
Entries 58
Mean −0.01775
Std Dev 0.6721

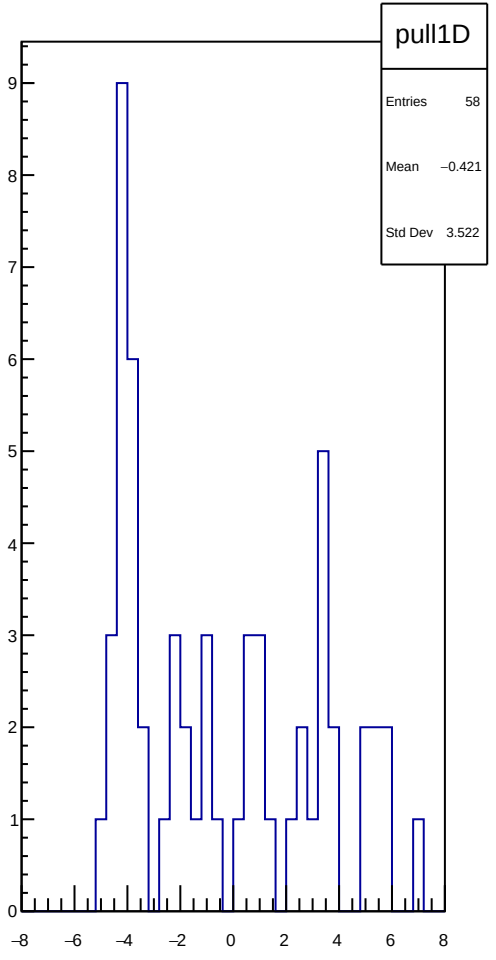

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 880.6 / 57
p0 −33.32 ± 0.6769
pull
Entries 58
Mean 10.83
Std Dev 10.28

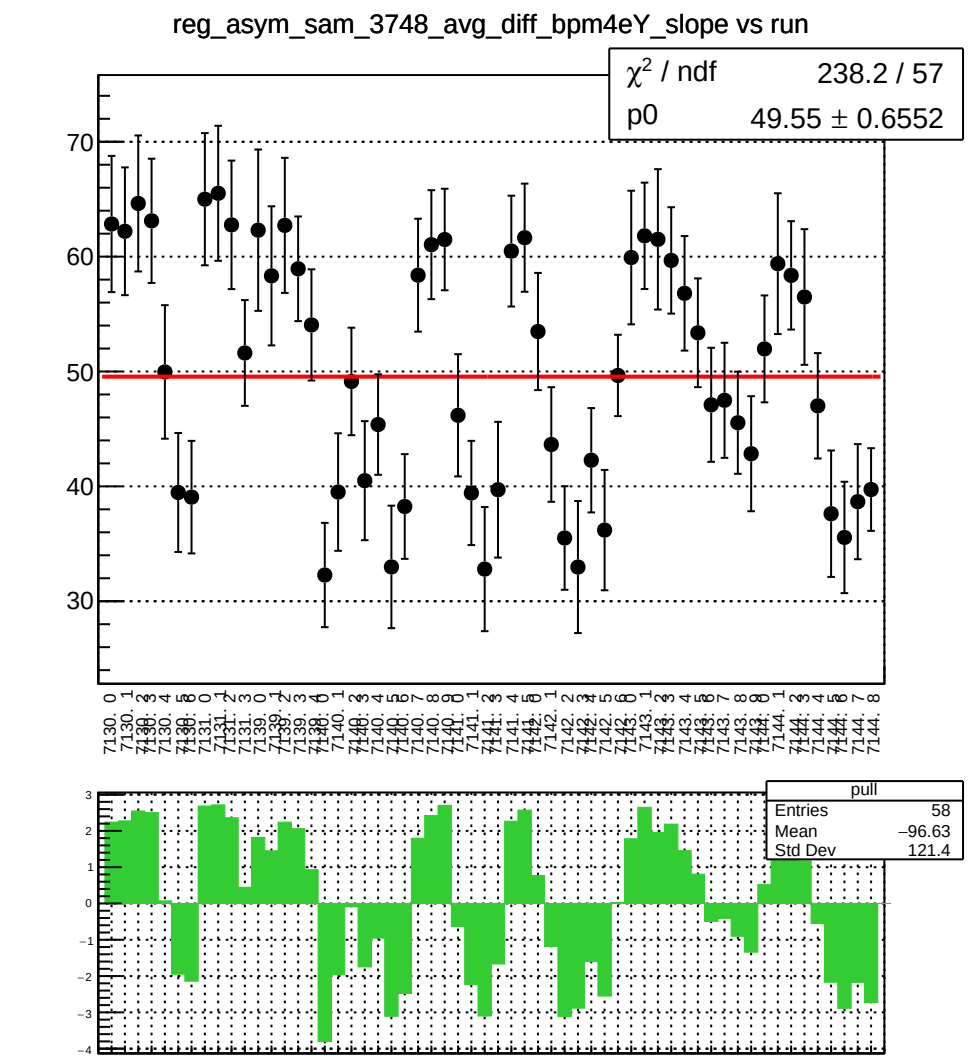

pull1D
Entries 58
Mean 0.4086
Std Dev 3.875

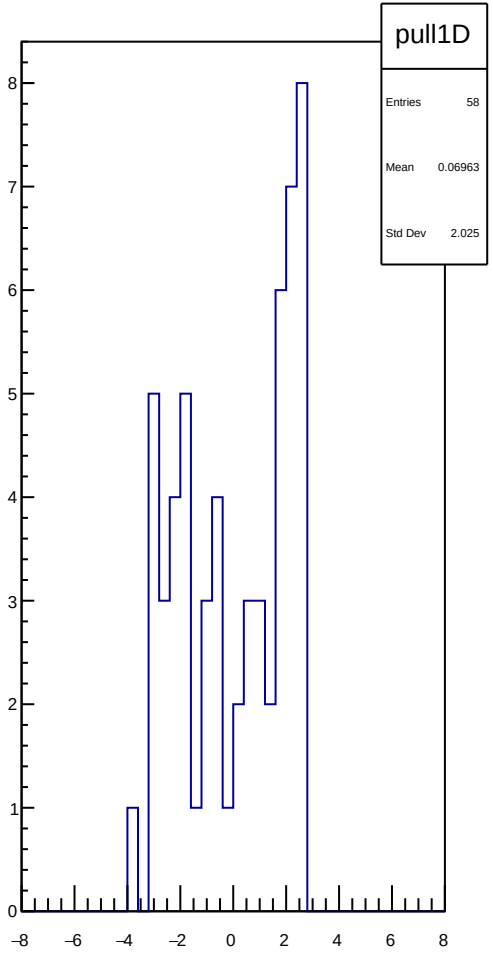

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 300.6 / 57
p0 6.552 ± 0.6115
pull
Entries 58
Mean −201.5
Std Dev 226.6

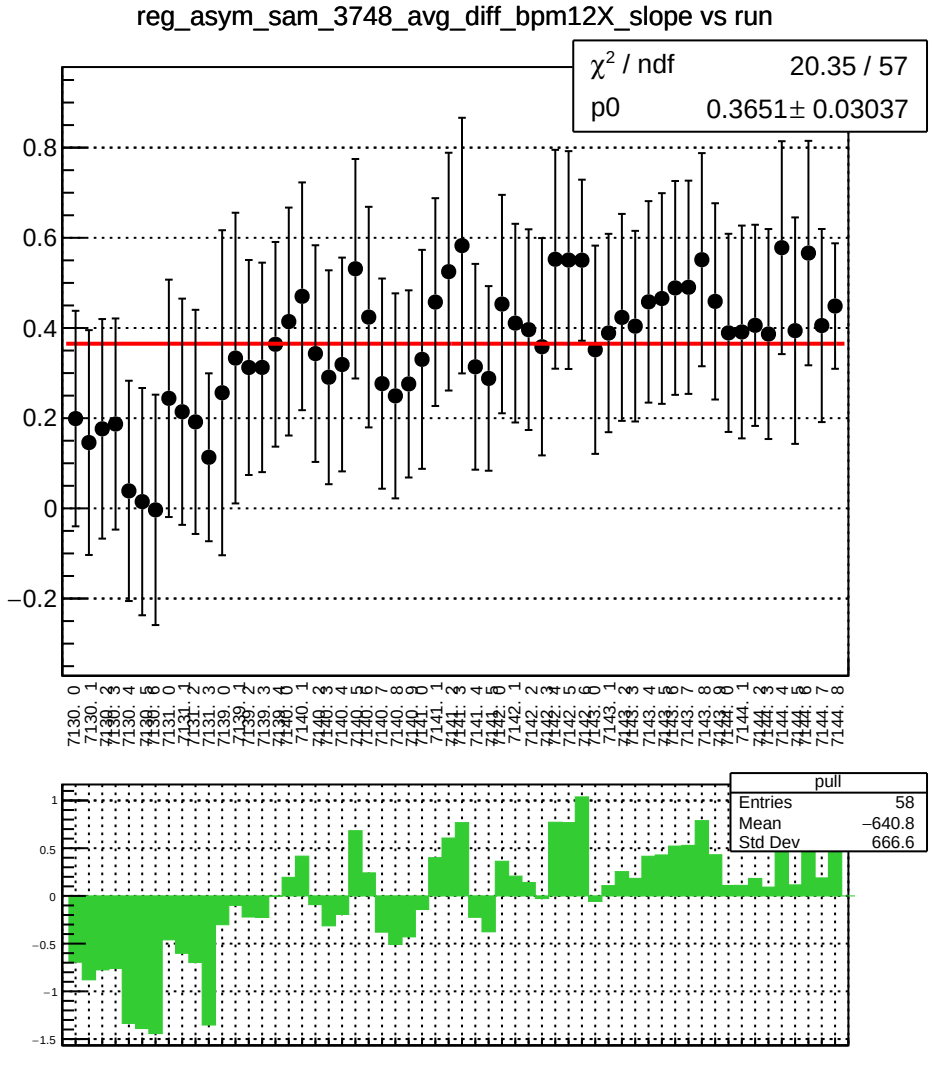

pull1D
Entries 58
Mean −0.03409
Std Dev 2.276

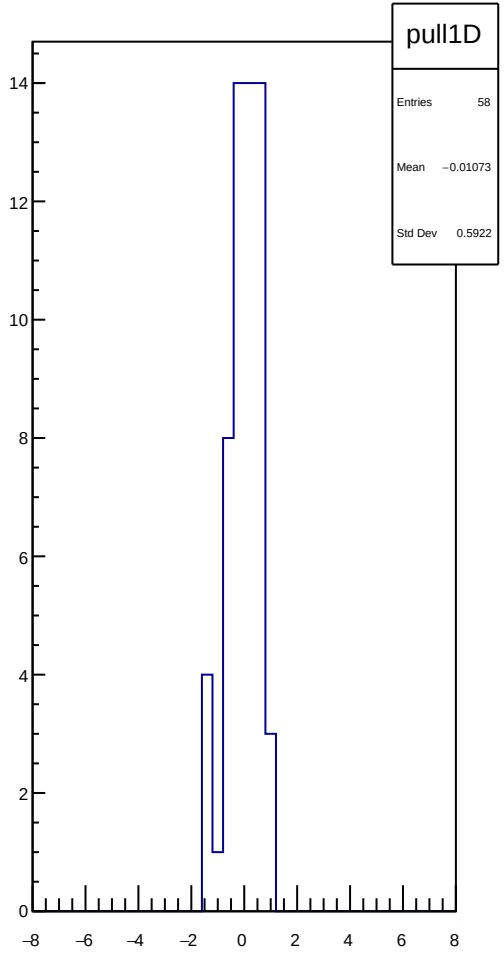

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 729.9 / 57
p0 −39.38 ± 0.6896
pull
Entries 58
Mean 5.359
Std Dev 10.57

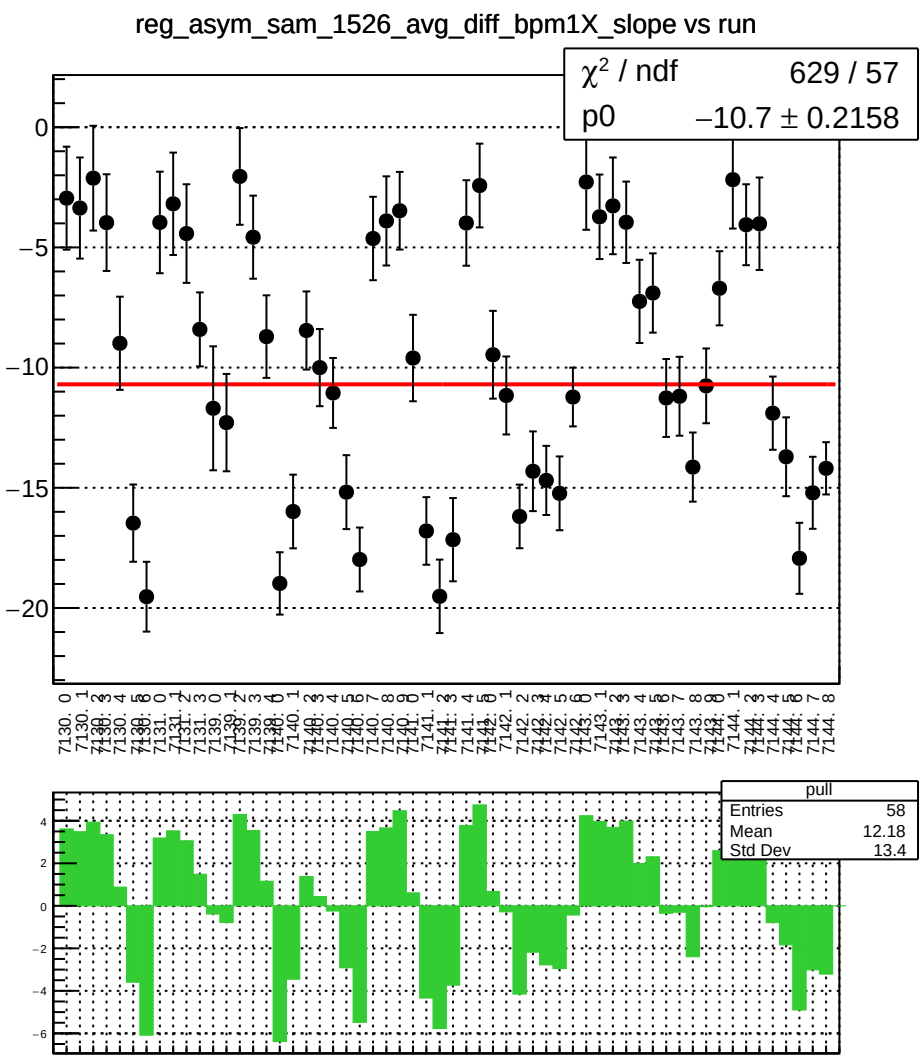

pull1D
Entries 58
Mean −0.421
Std Dev 3.522

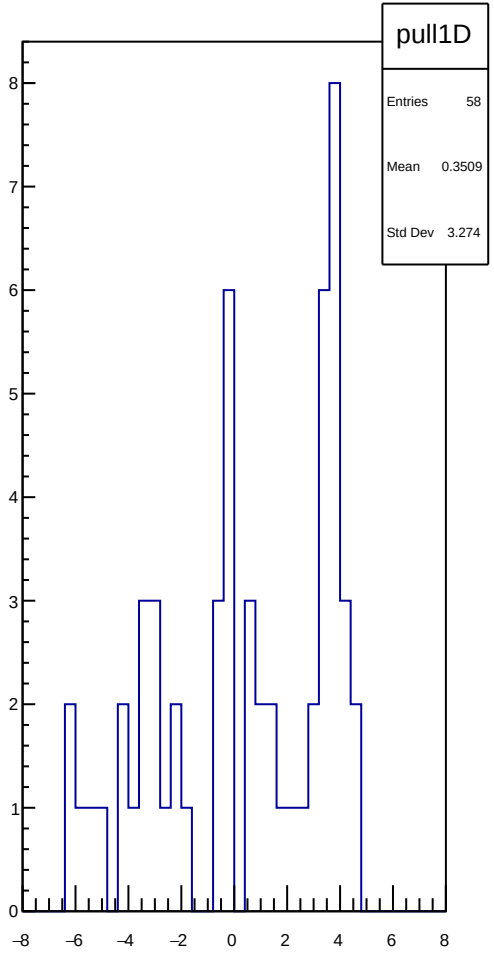

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 238.2 / 57
p0 49.55 ± 0.6552
pull
Entries 58
Mean −96.63
Std Dev 121.4

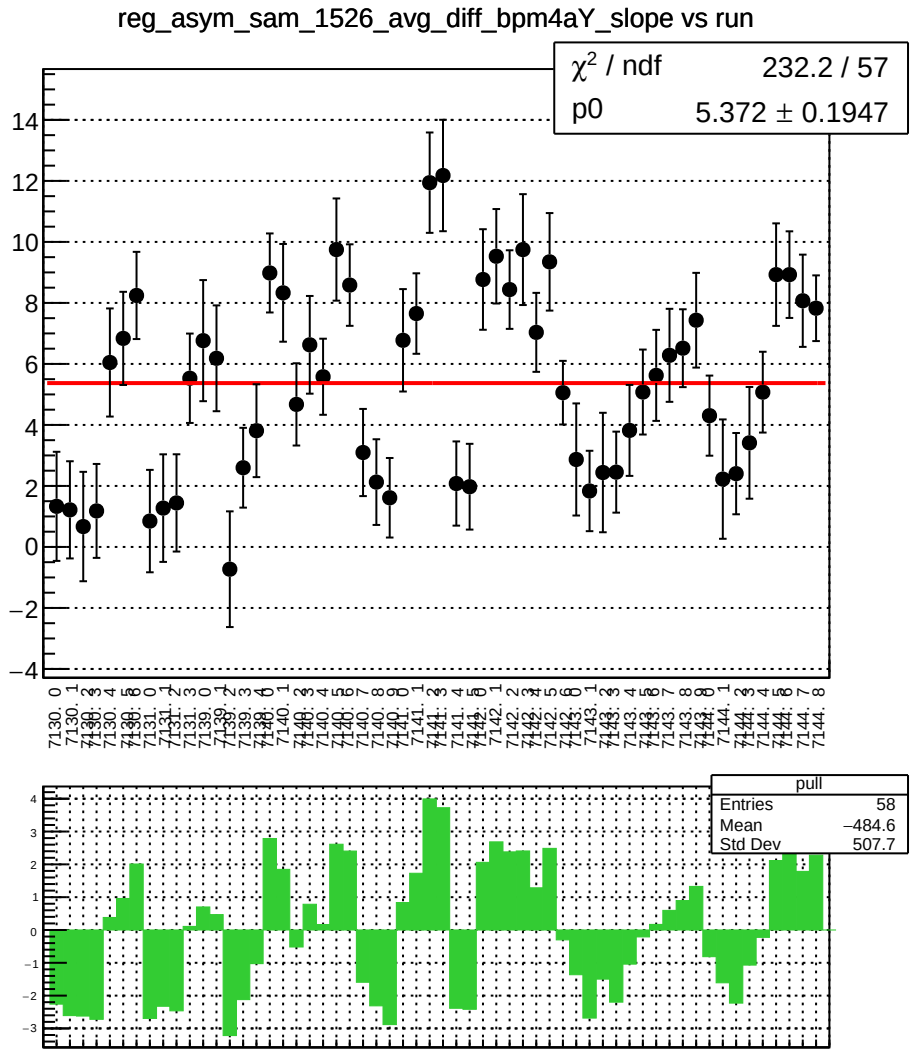

pull1D
Entries 58
Mean 0.06963
Std Dev 2.025

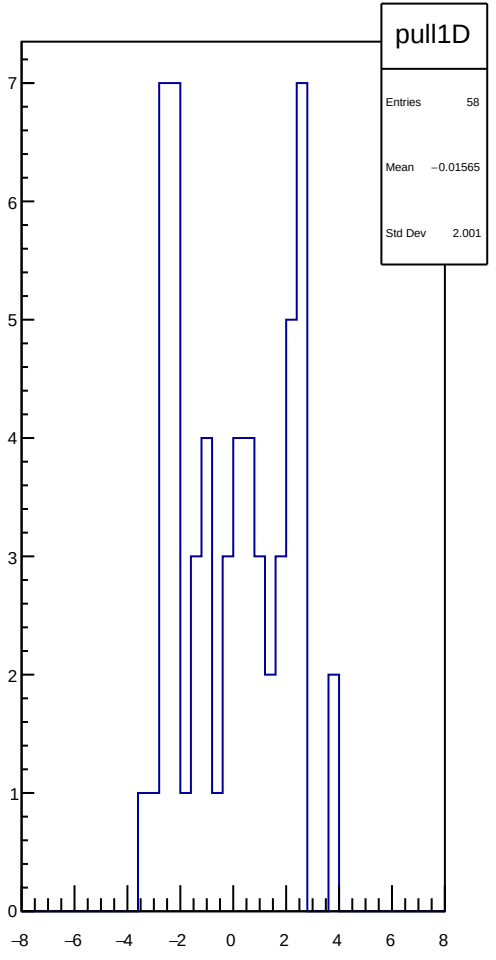

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 20.35 / 57
p0 0.3651± 0.03037
pull
Entries 58
Mean −640.8
Std Dev 666.6

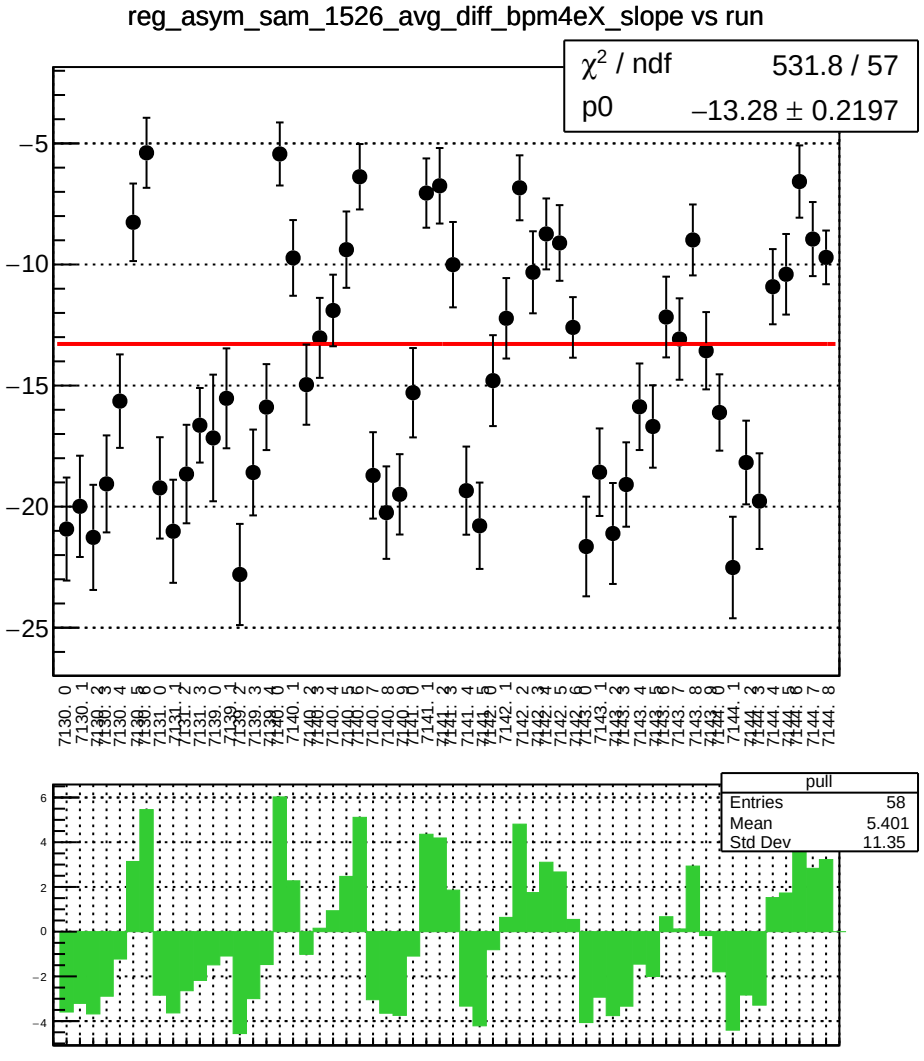

pull1D
Entries 58
Mean −0.01073
Std Dev 0.5922

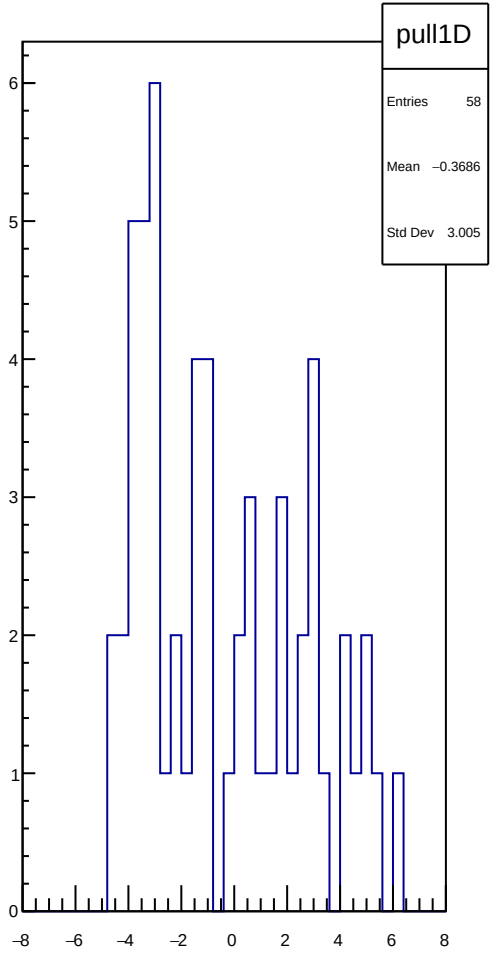

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 629 / 57
p0 −10.7 ± 0.2158
pull
Entries 58
Mean 12.18
Std Dev 13.4

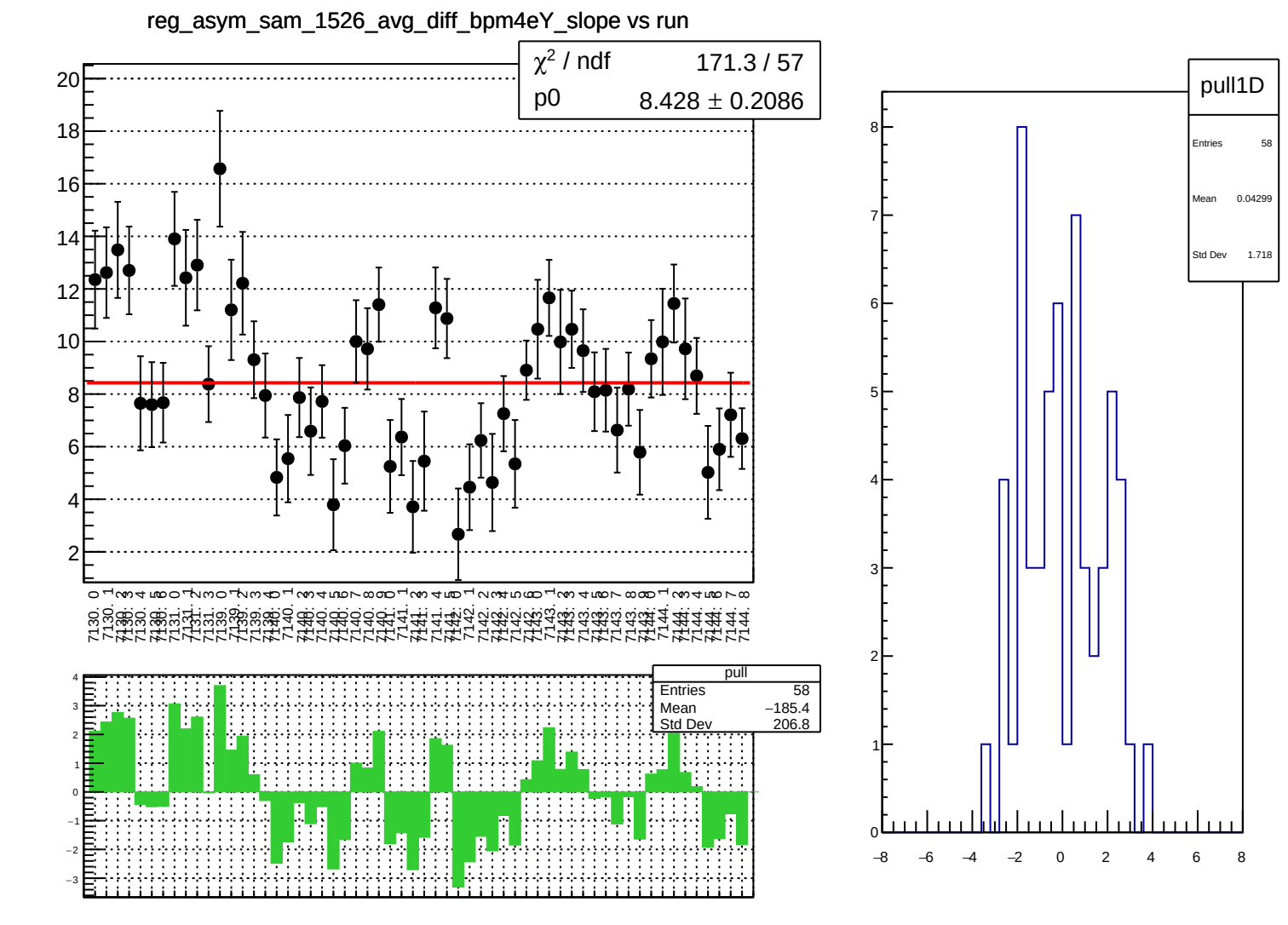

pull1D
Entries 58
Mean 0.3509
Std Dev 3.274

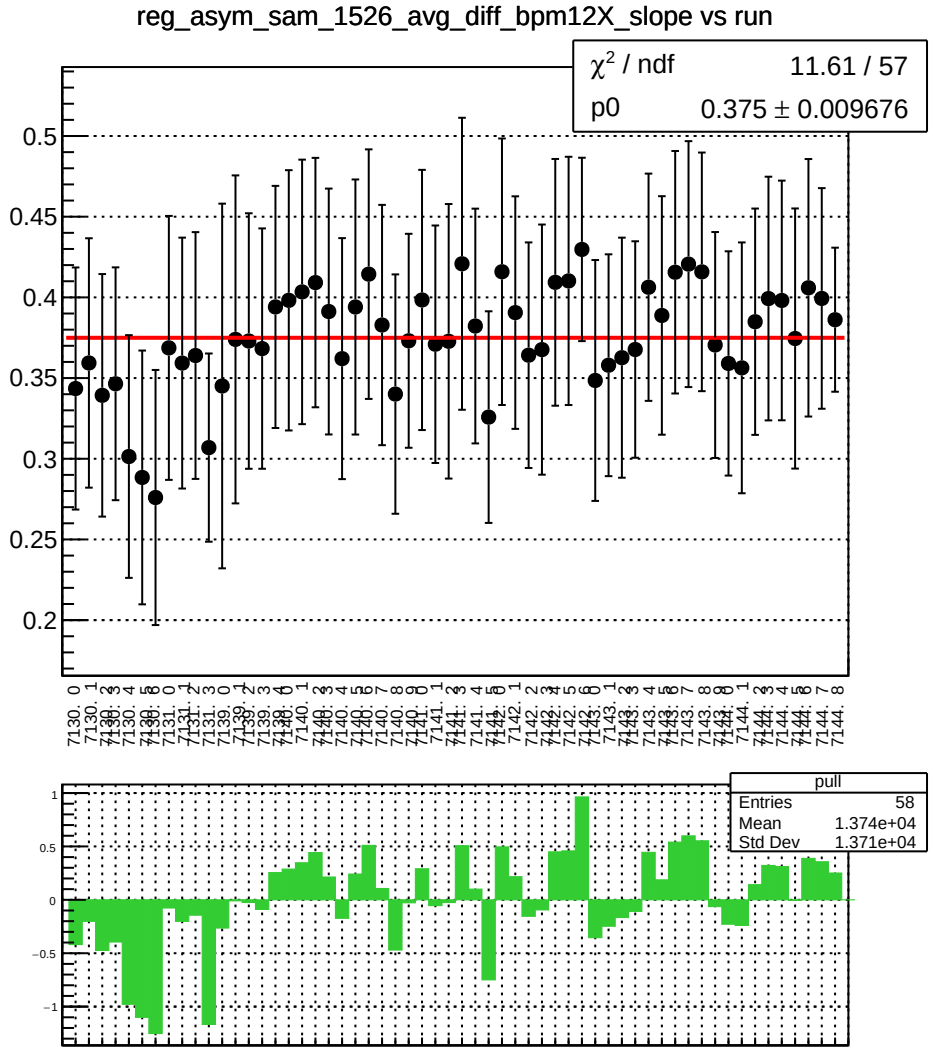

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 232.2 / 57
p0 5.372 ± 0.1947
pull
Entries 58
Mean −484.6
Std Dev 507.7

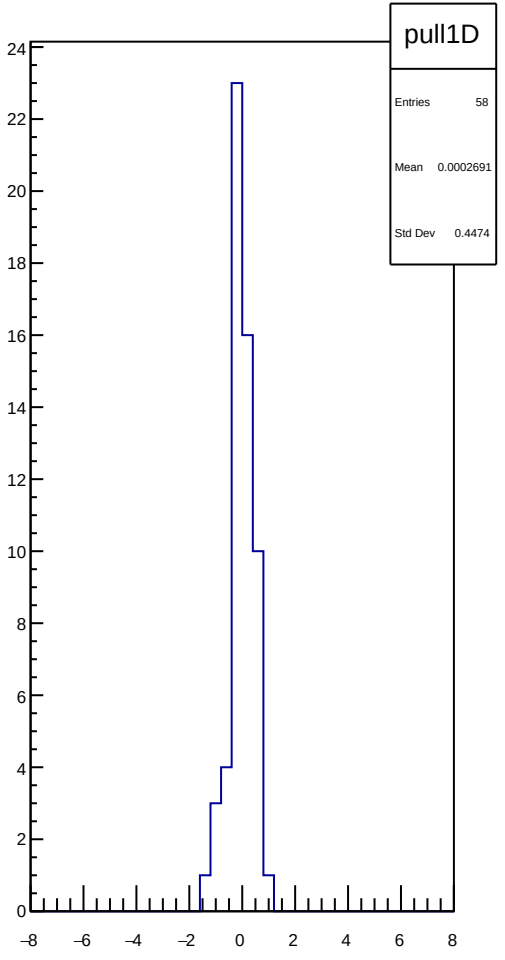

pull1D
Entries 58
Mean −0.01565
Std Dev 2.001

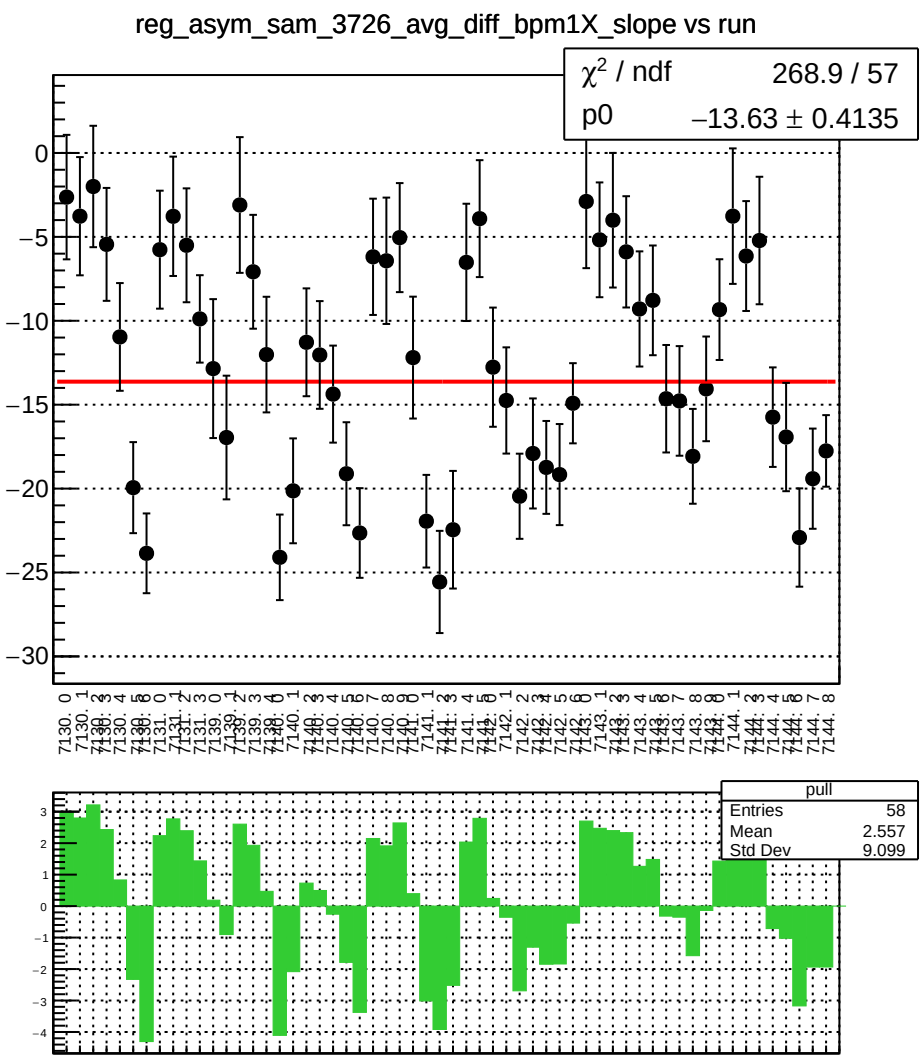

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 531.8 / 57
p0 −13.28 ± 0.2197
pull
Entries 58
Mean 5.401
Std Dev 11.35

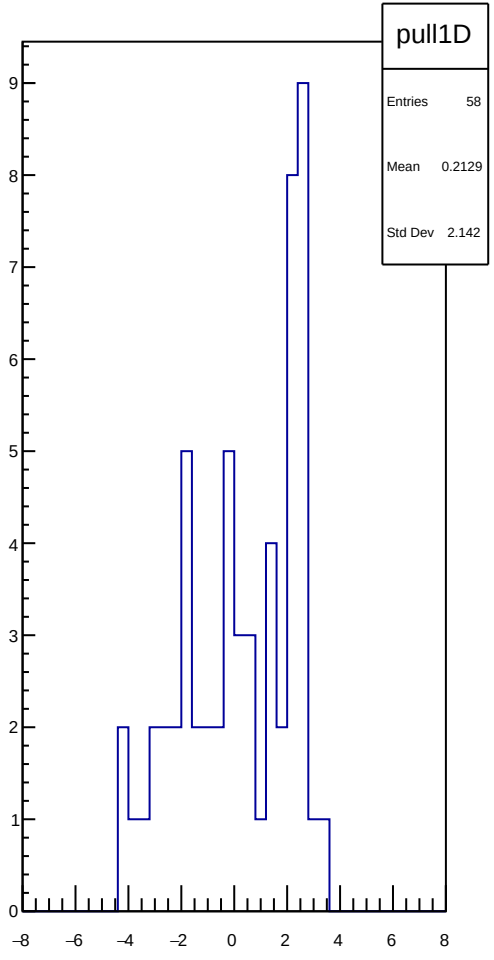

pull1D
Entries 58
Mean −0.3686
Std Dev 3.005

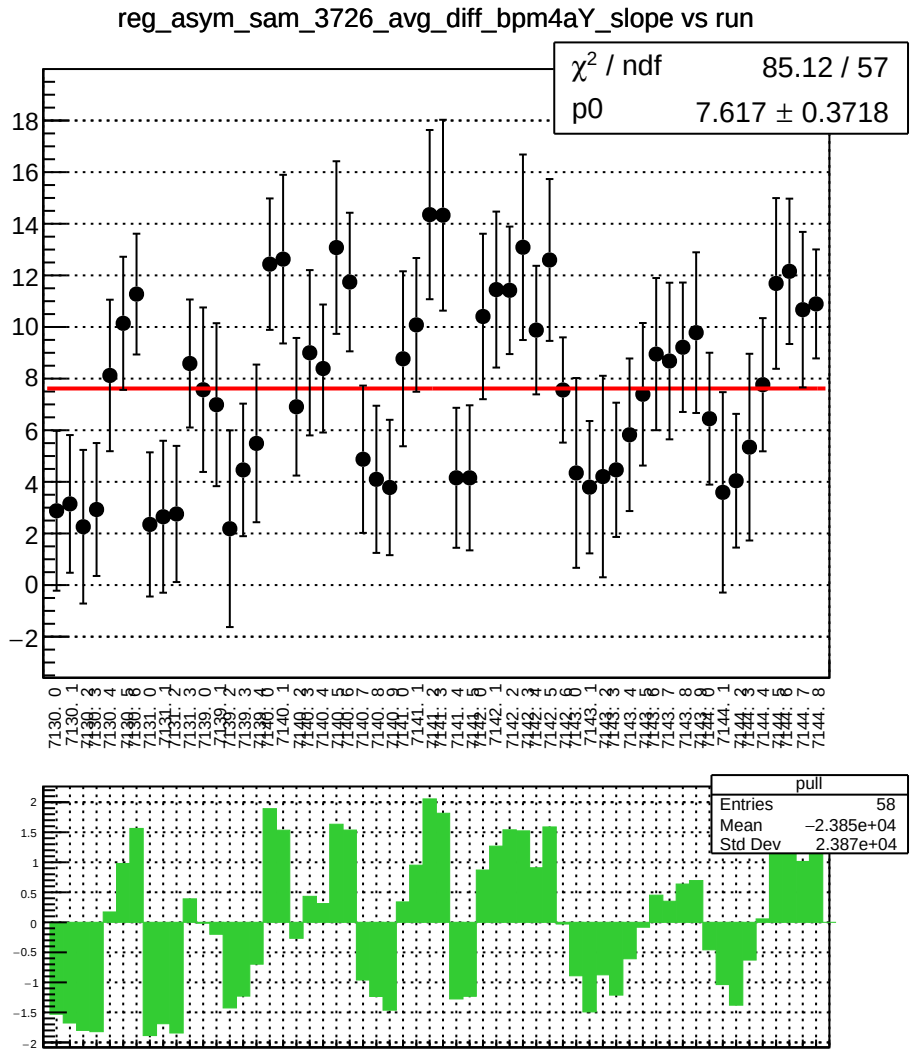

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 171.3 / 57
p0 8.428 ± 0.2086
pull
Entries 58
Mean −185.4
Std Dev 206.8
pull1D
Entries 58
Mean 0.04299
Std Dev 1.718

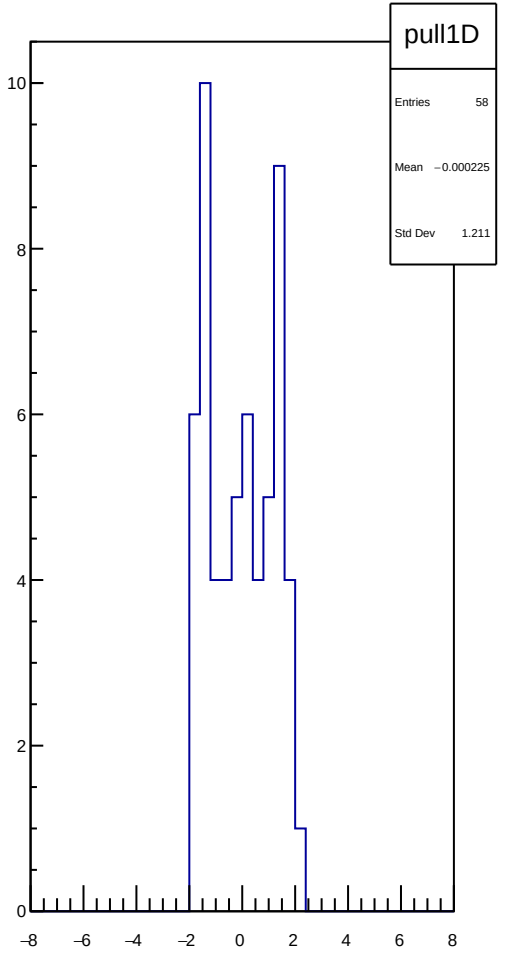

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 11.61 / 57
p0 0.375 ± 0.009676
pull
Entries 58
Mean 1.374e+04
Std Dev 1.371e+04

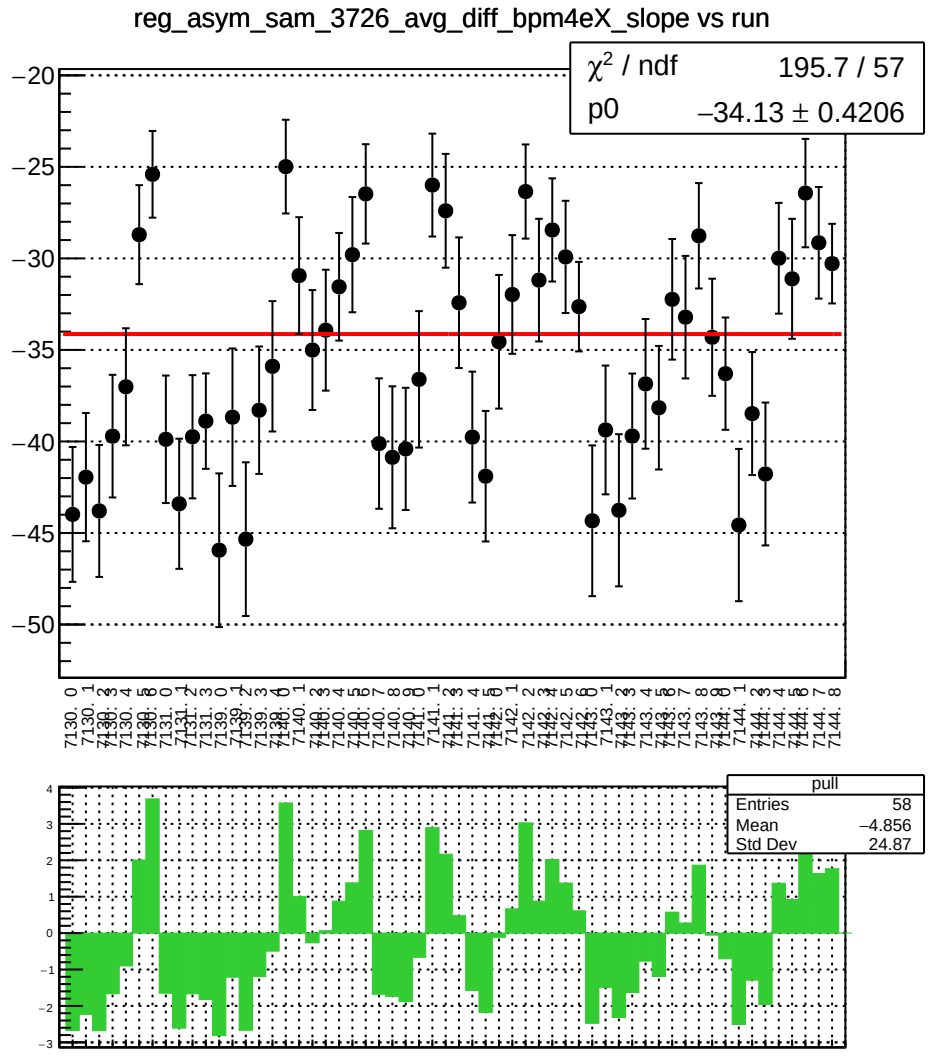

pull1D
Entries 58
Mean 0.0002691
Std Dev 0.4474

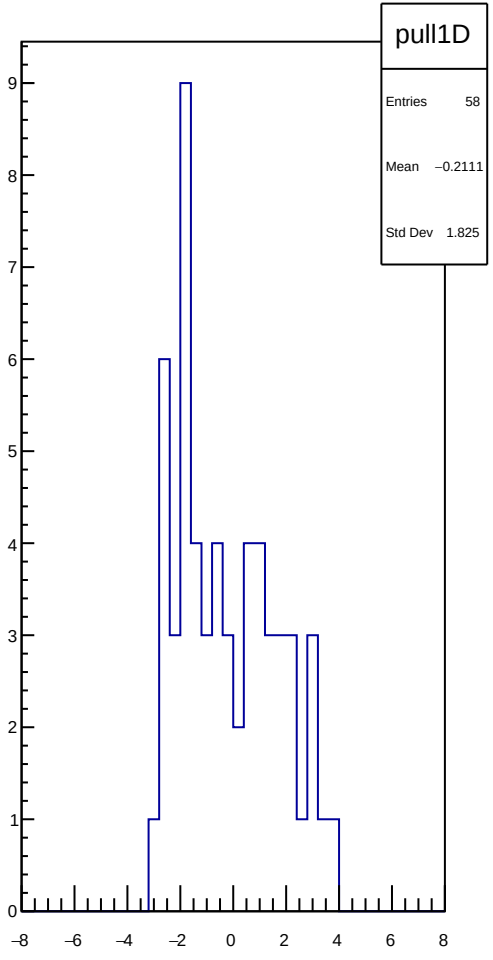

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 268.9 / 57
p0 −13.63 ± 0.4135
pull
Entries 58
Mean 2.557
Std Dev 9.099

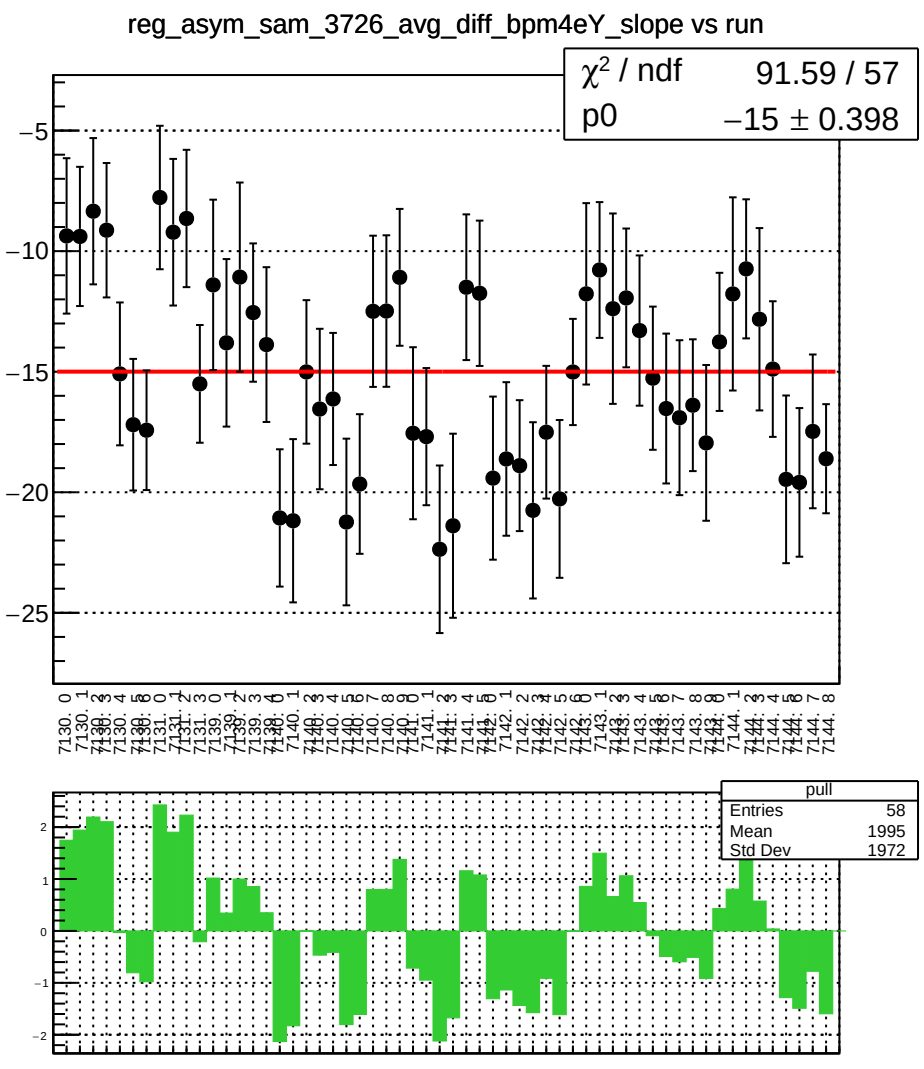

pull1D
Entries 58
Mean 0.2129
Std Dev 2.142

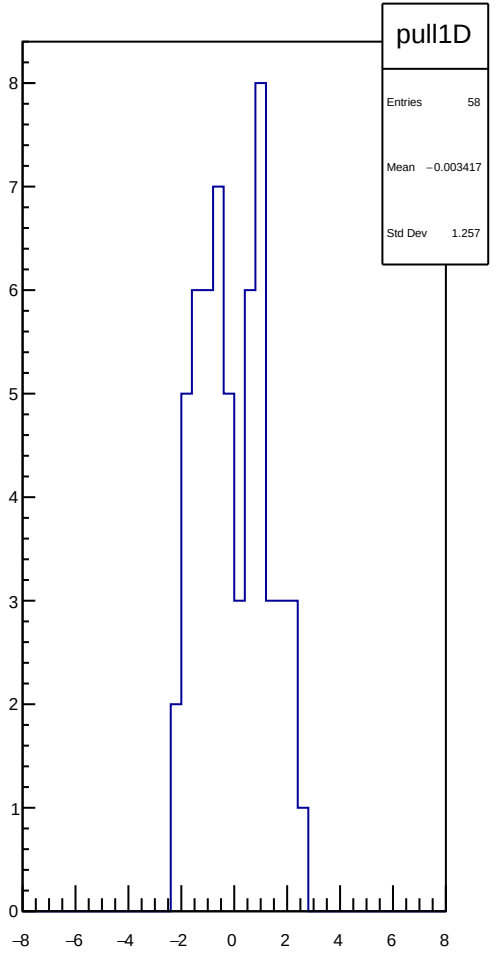

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 85.12 / 57
p0 7.617 ± 0.3718
pull
Entries 58
Mean −2.385e+04
Std Dev 2.387e+04

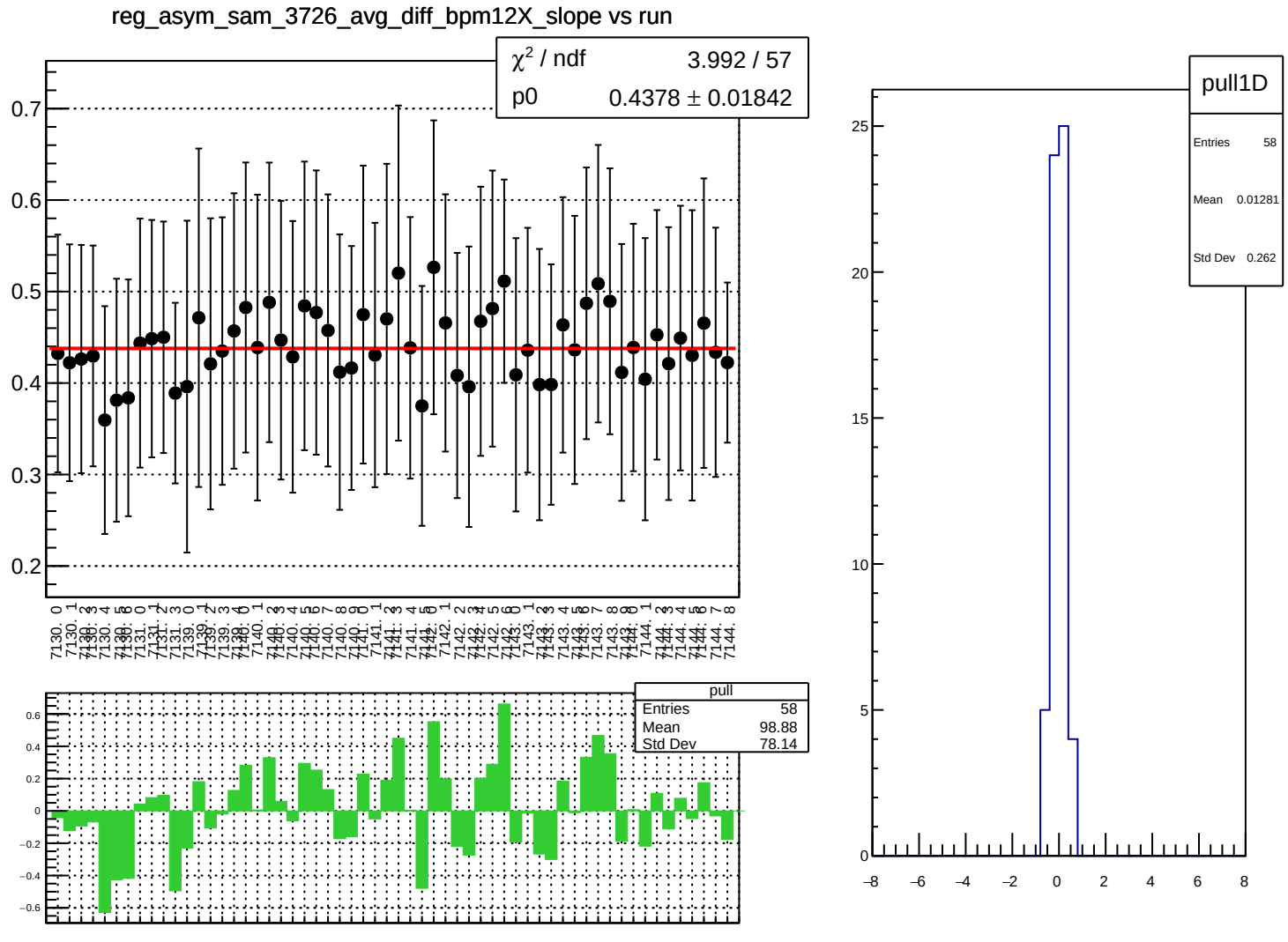

pull1D
Entries 58
Mean −0.000225
Std Dev 1.211

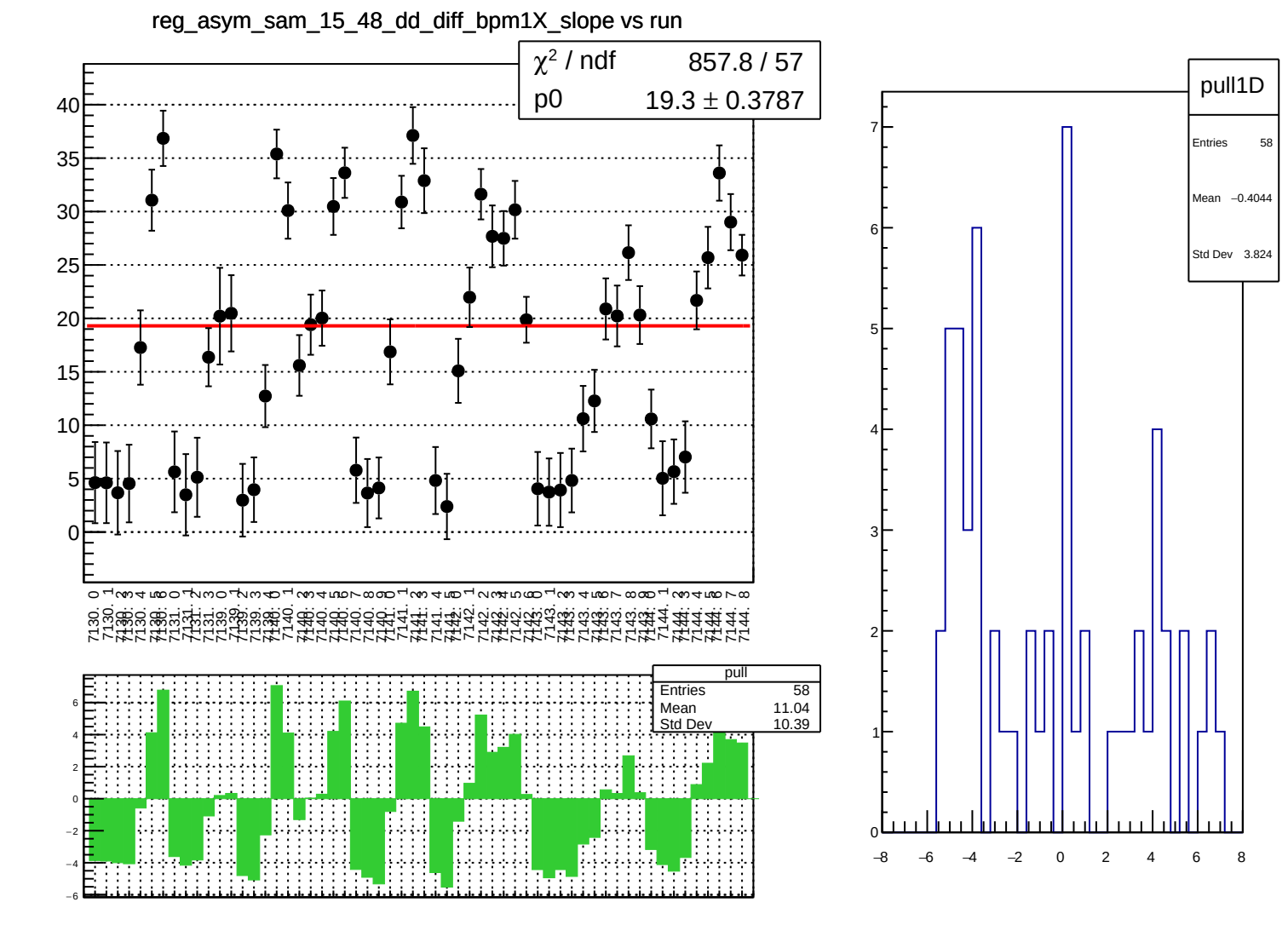

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 195.7 / 57
p0 −34.13 ± 0.4206
pull
Entries 58
Mean −4.856
Std Dev 24.87

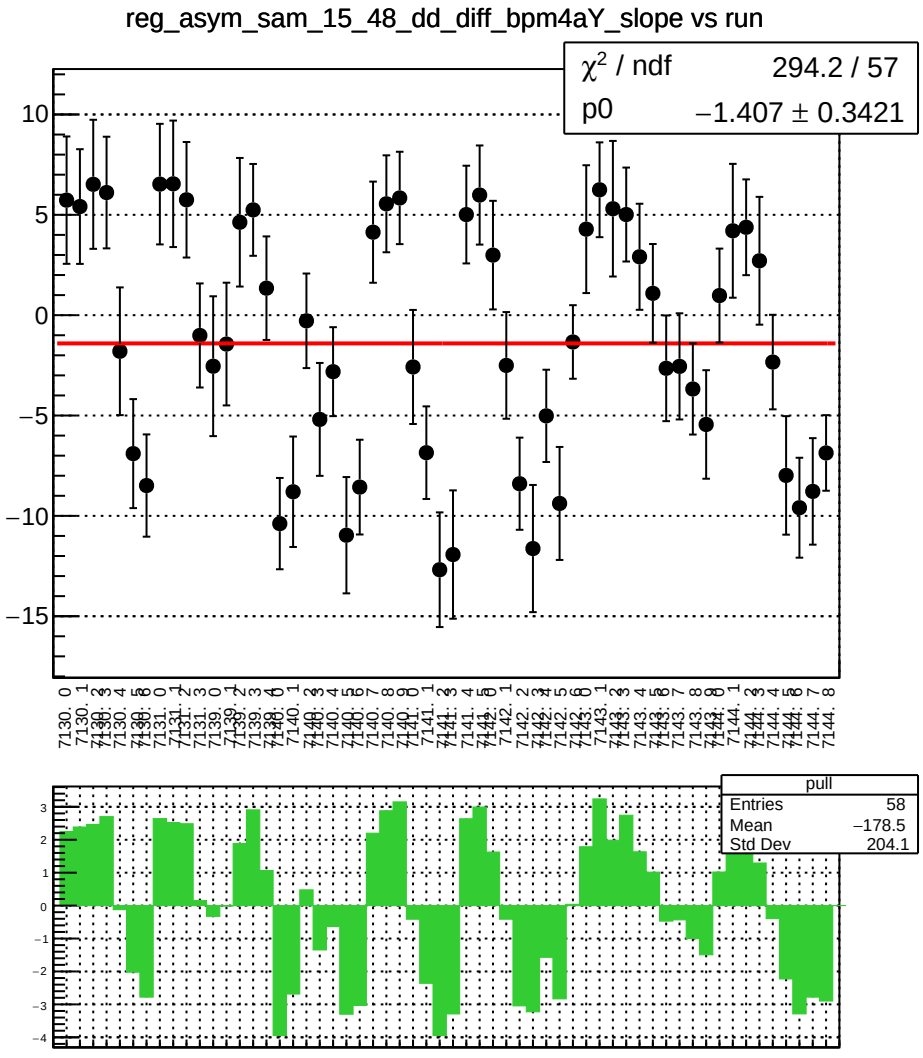

pull1D
Entries 58
Mean −0.2111
Std Dev 1.825

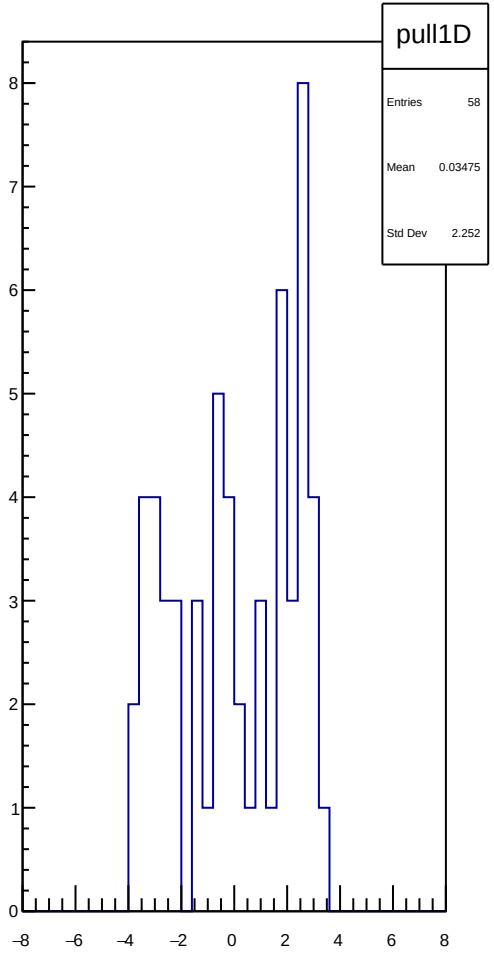

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 91.59 / 57
p0 −15 ± 0.398
−5
−10
−15
−20
−25
pull
Entries 58
Mean 1995
Std Dev 1972
2
1
0
−1
−2

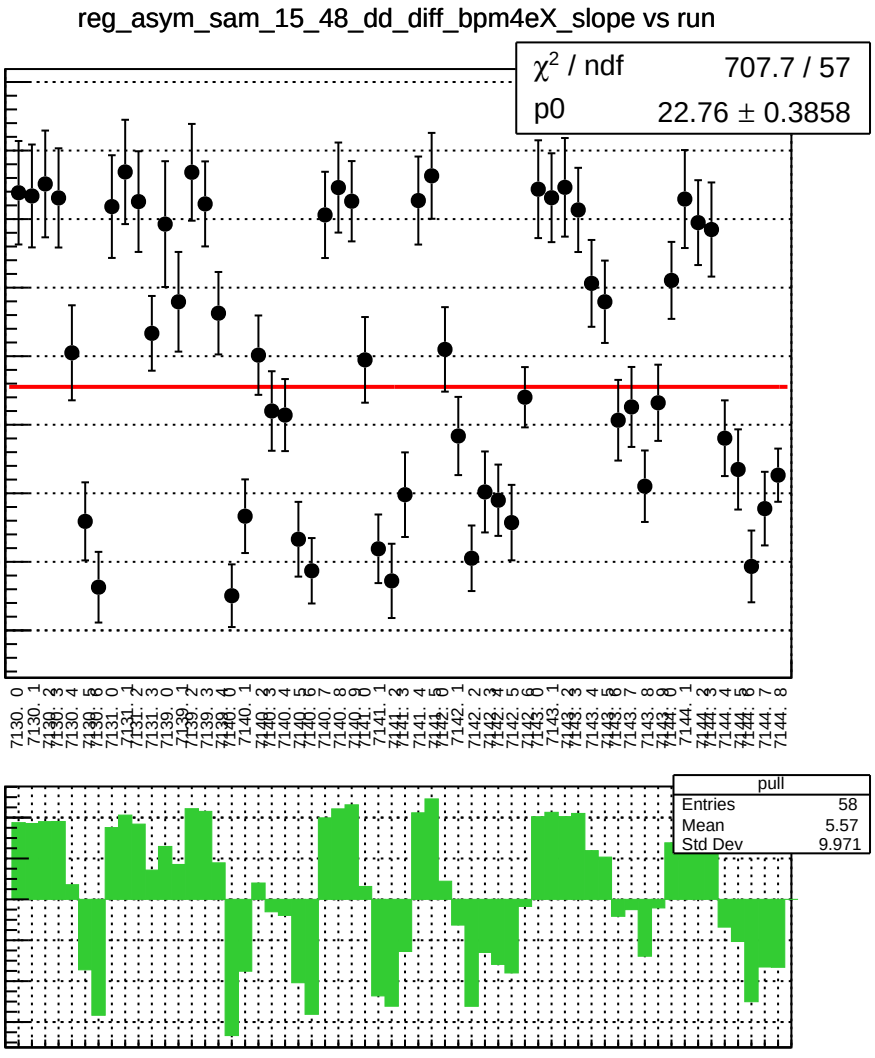

pull1D
Entries 58
Mean −0.003417
Std Dev 1.257
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

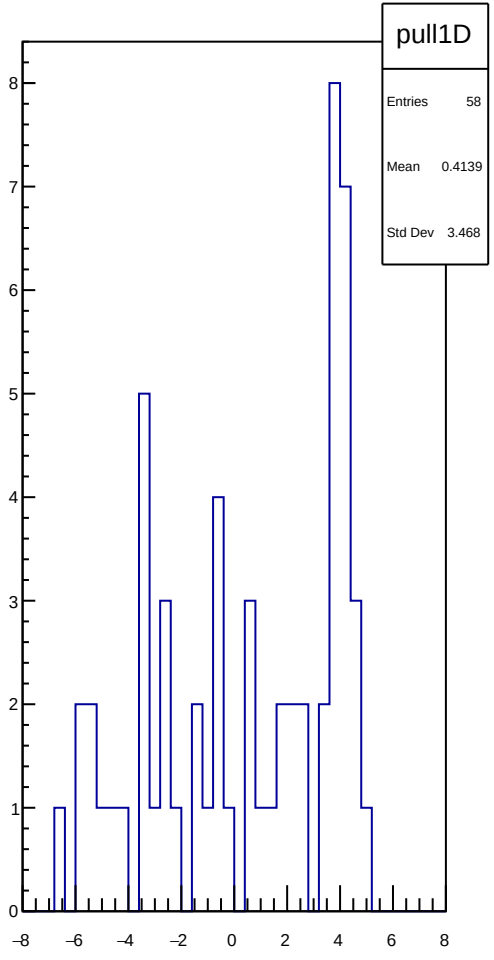

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 3.992 / 57
p0 0.4378 ± 0.01842
pull
Entries 58
Mean 98.88
Std Dev 78.14
pull1D
Entries 58
Mean 0.01281
Std Dev 0.262

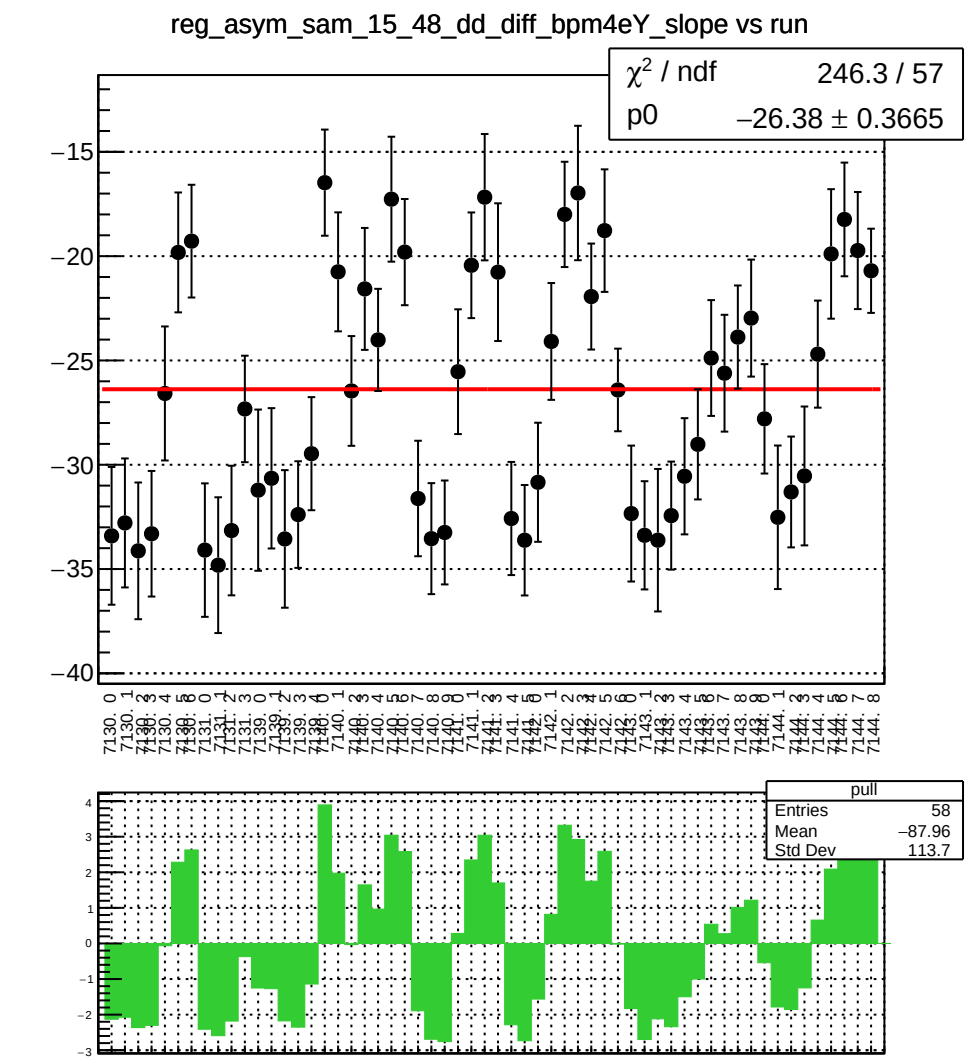

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 857.8 / 57
p0 19.3 ± 0.3787
pull
Entries 58
Mean 11.04
Std Dev 10.39
pull1D
Entries 58
Mean −0.4044
Std Dev 3.824

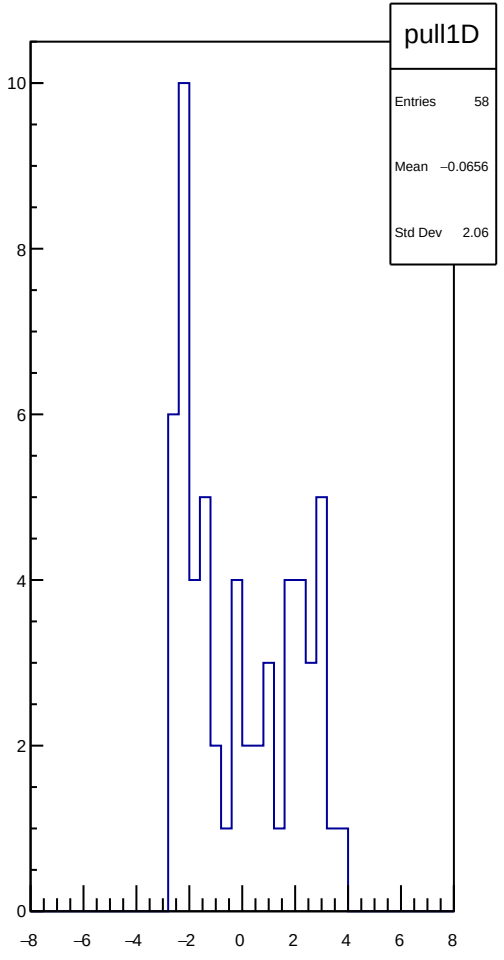

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 294.2 / 57
p0 −1.407 ± 0.3421
pull
Entries 58
Mean −178.5
Std Dev 204.1

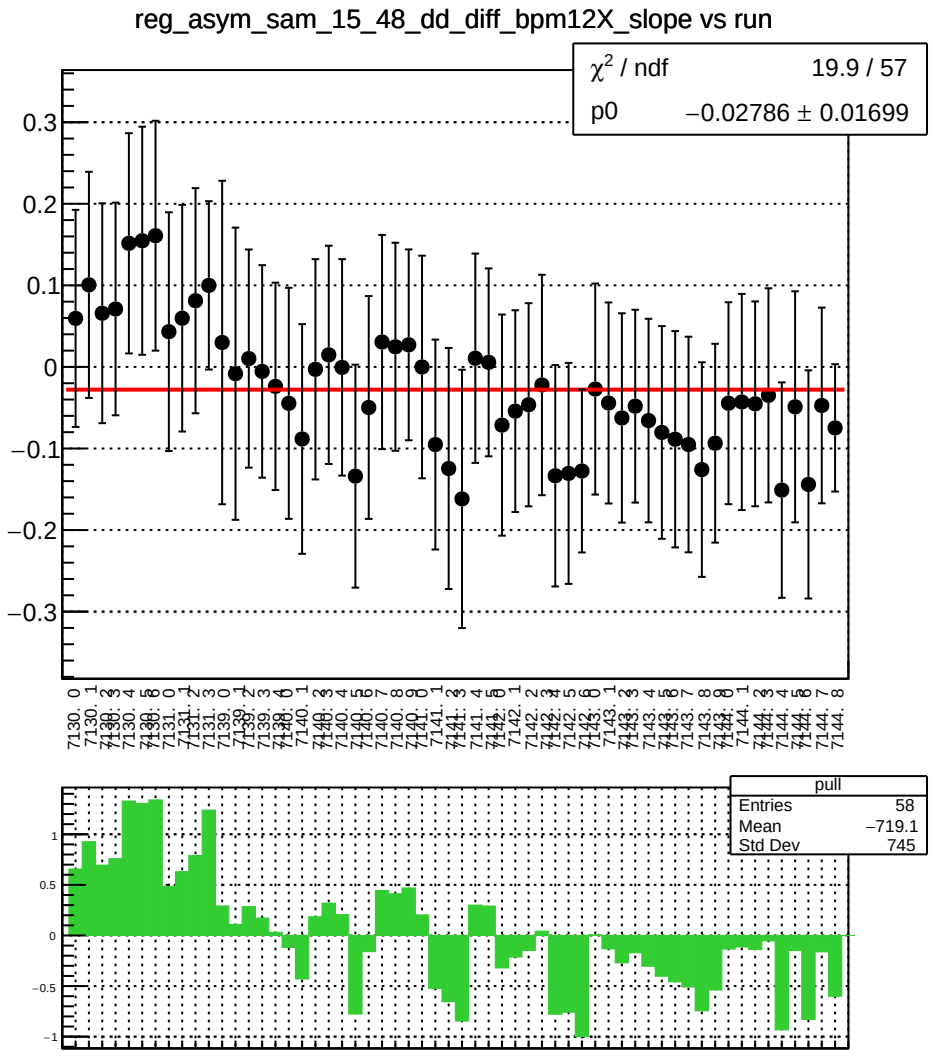

pull1D
Entries 58
Mean 0.03475
Std Dev 2.252

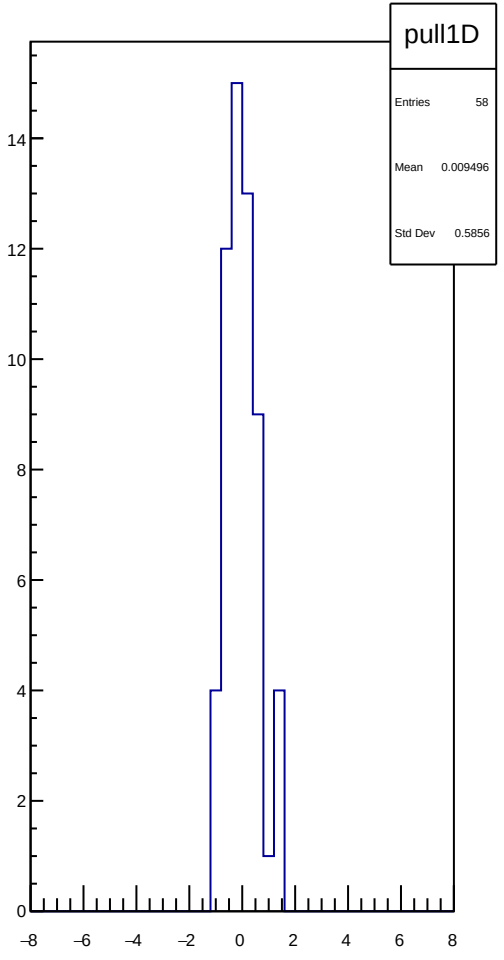

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 707.7 / 57
p0 22.76 ± 0.3858
pull
Entries 58
Mean 5.57
Std Dev 9.971

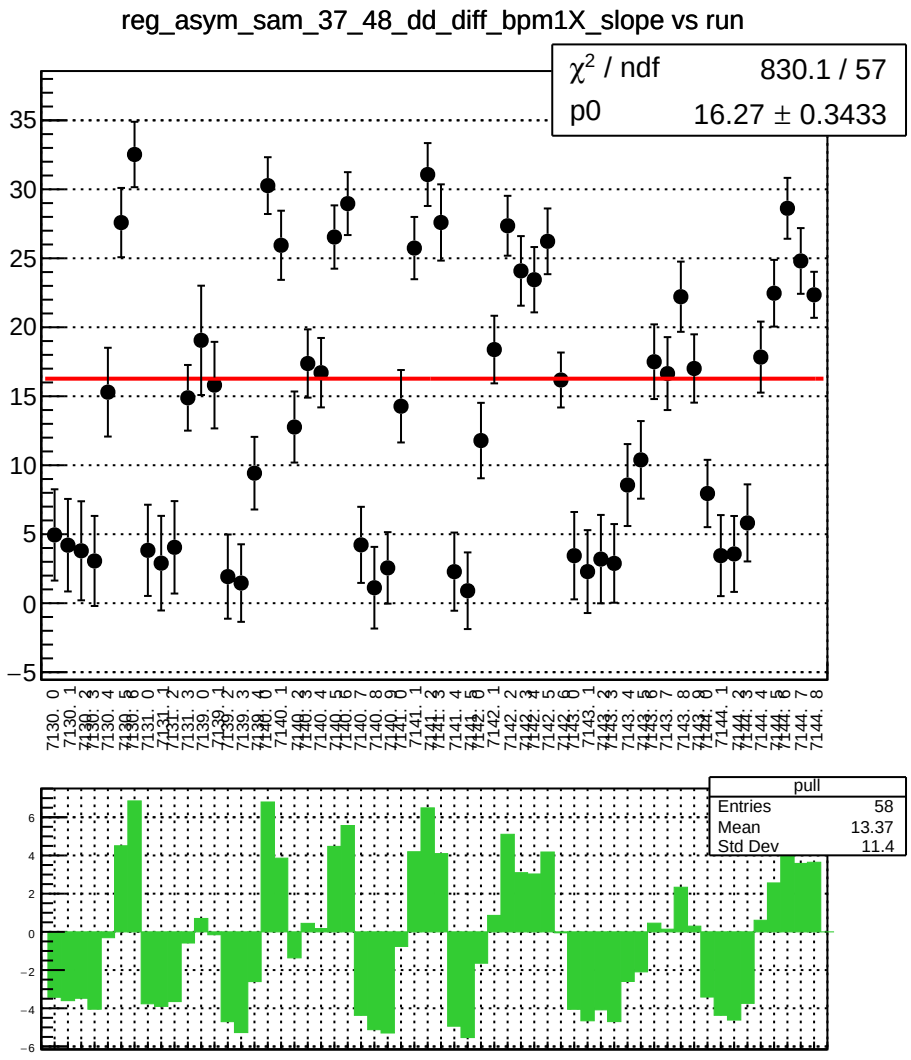

pull1D
Entries 58
Mean 0.4139
Std Dev 3.468

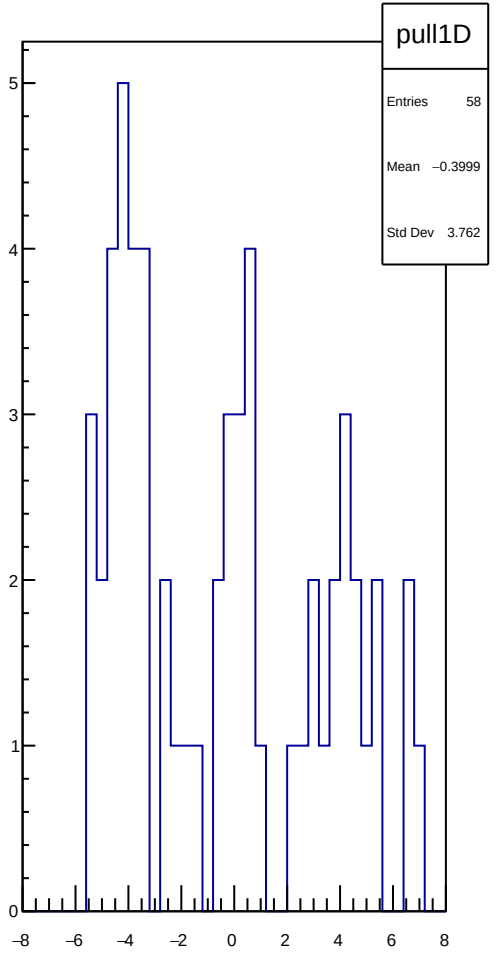

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 246.3 / 57
p0 −26.38 ± 0.3665
pull
Entries 58
Mean −87.96
Std Dev 113.7

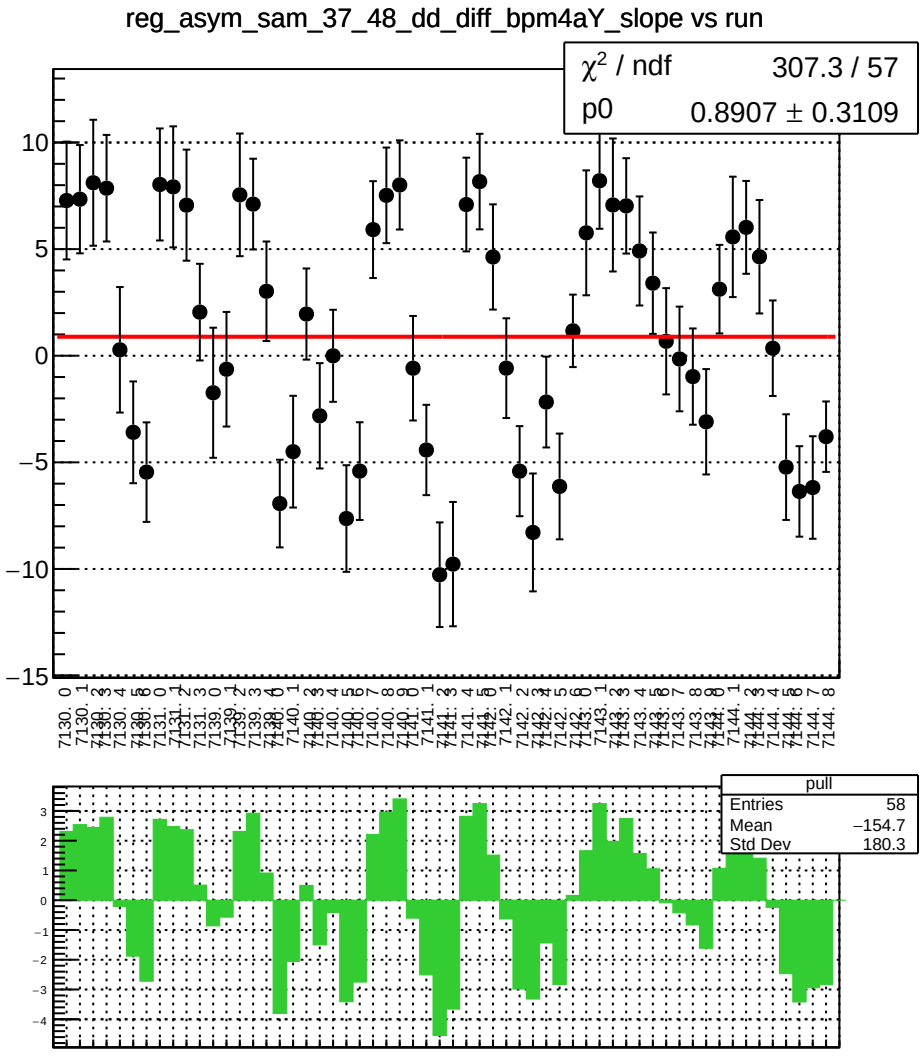

pull1D
Entries 58
Mean −0.0656
Std Dev 2.06

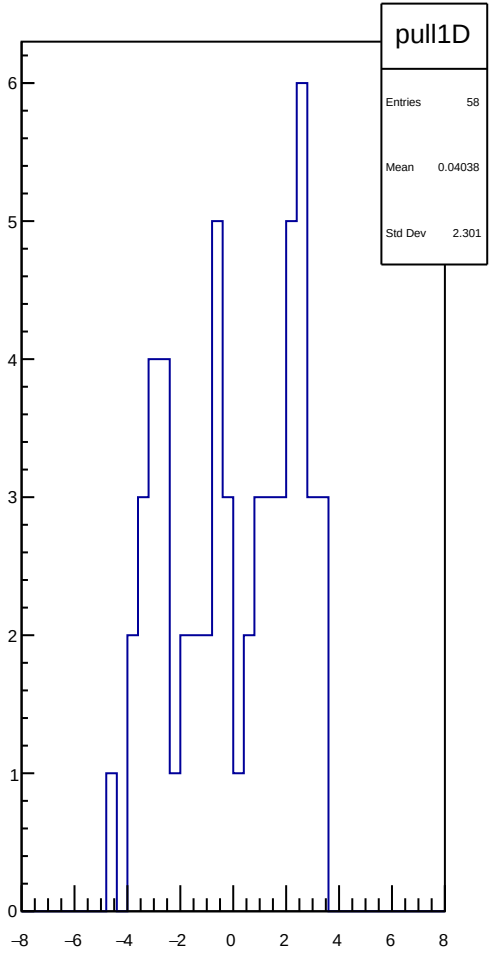

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.9 / 57
p0 −0.02786 ± 0.01699
pull
Entries 58
Mean −719.1
Std Dev 745

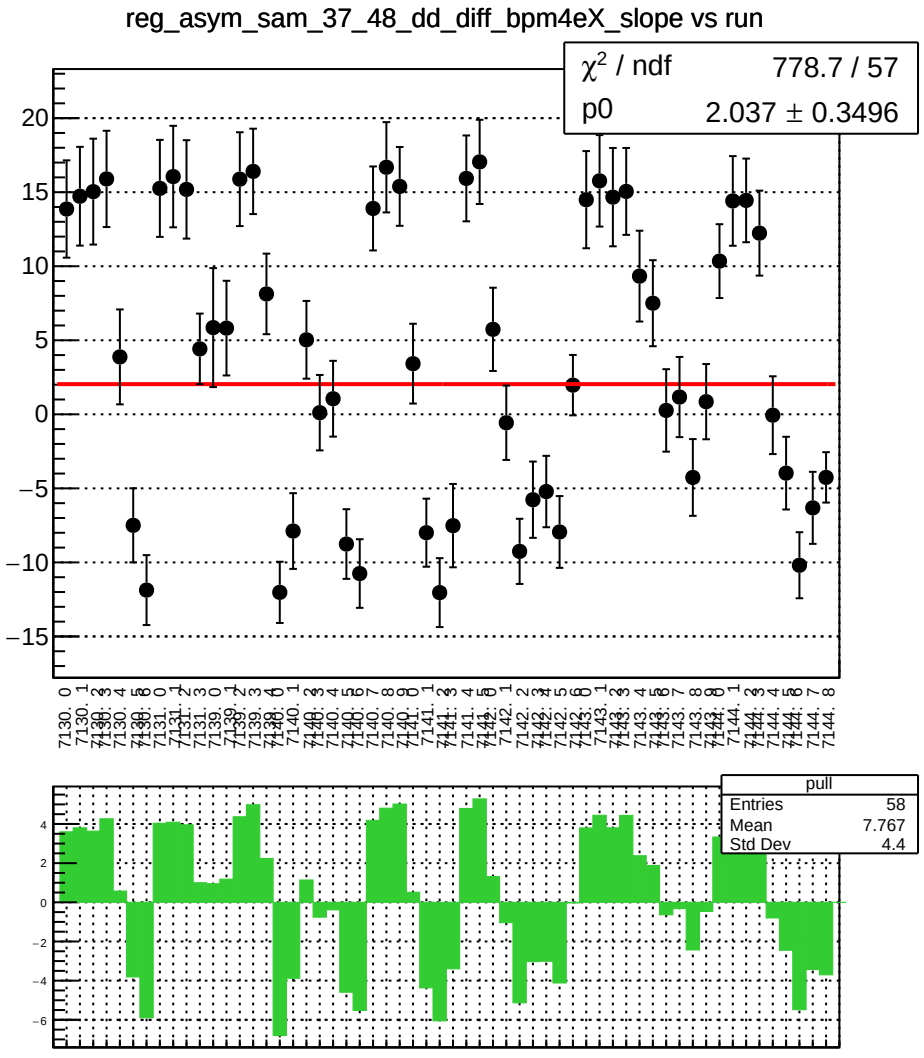

pull1D
Entries 58
Mean 0.009496
Std Dev 0.5856

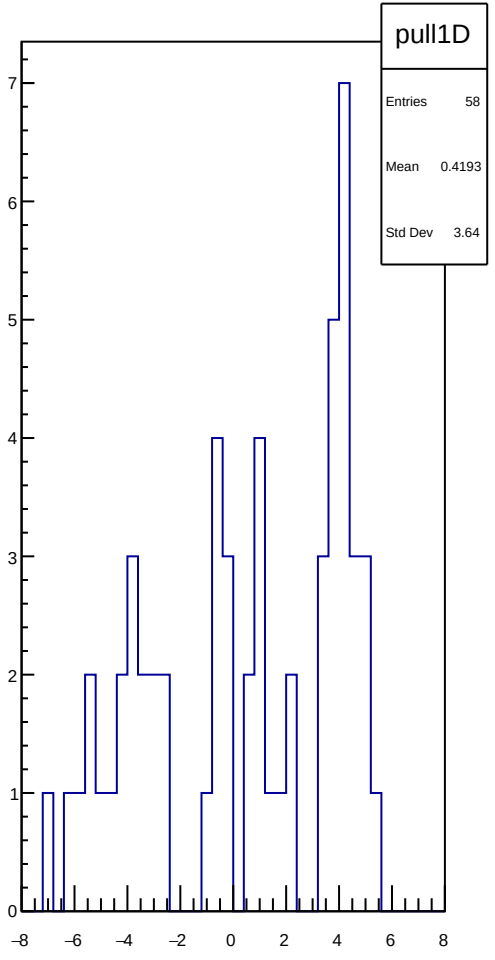

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 830.1 / 57
p0 16.27 ± 0.3433
pull
Entries 58
Mean 13.37
Std Dev 11.4

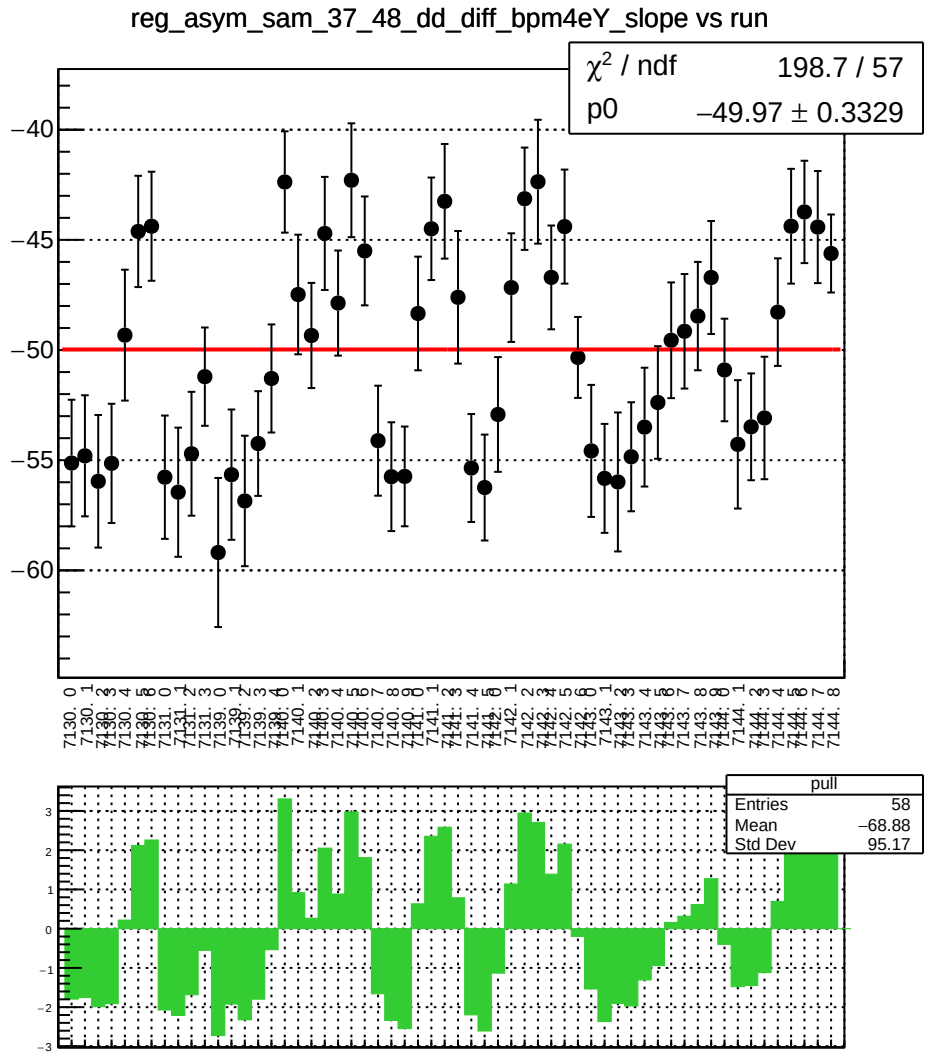

pull1D
Entries 58
Mean −0.3999
Std Dev 3.762

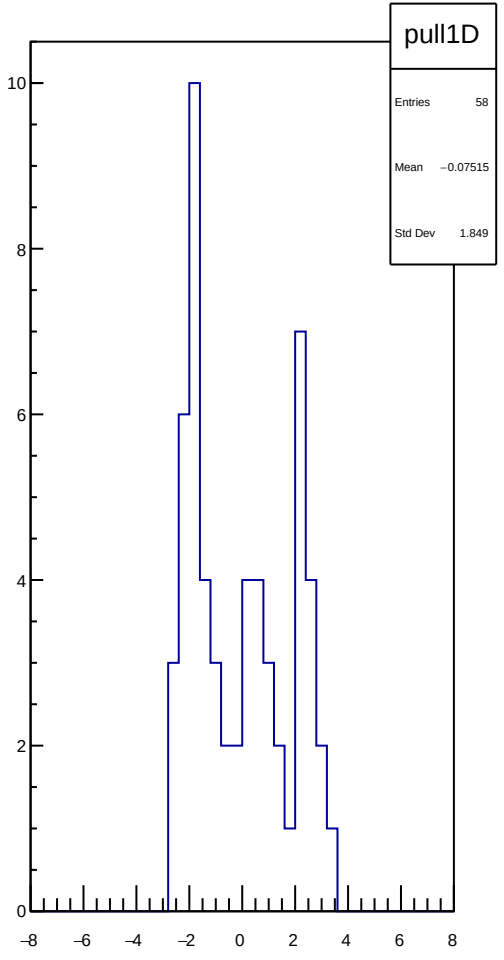

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 307.3 / 57
p0 0.8907 ± 0.3109
pull
Entries 58
Mean −154.7
Std Dev 180.3

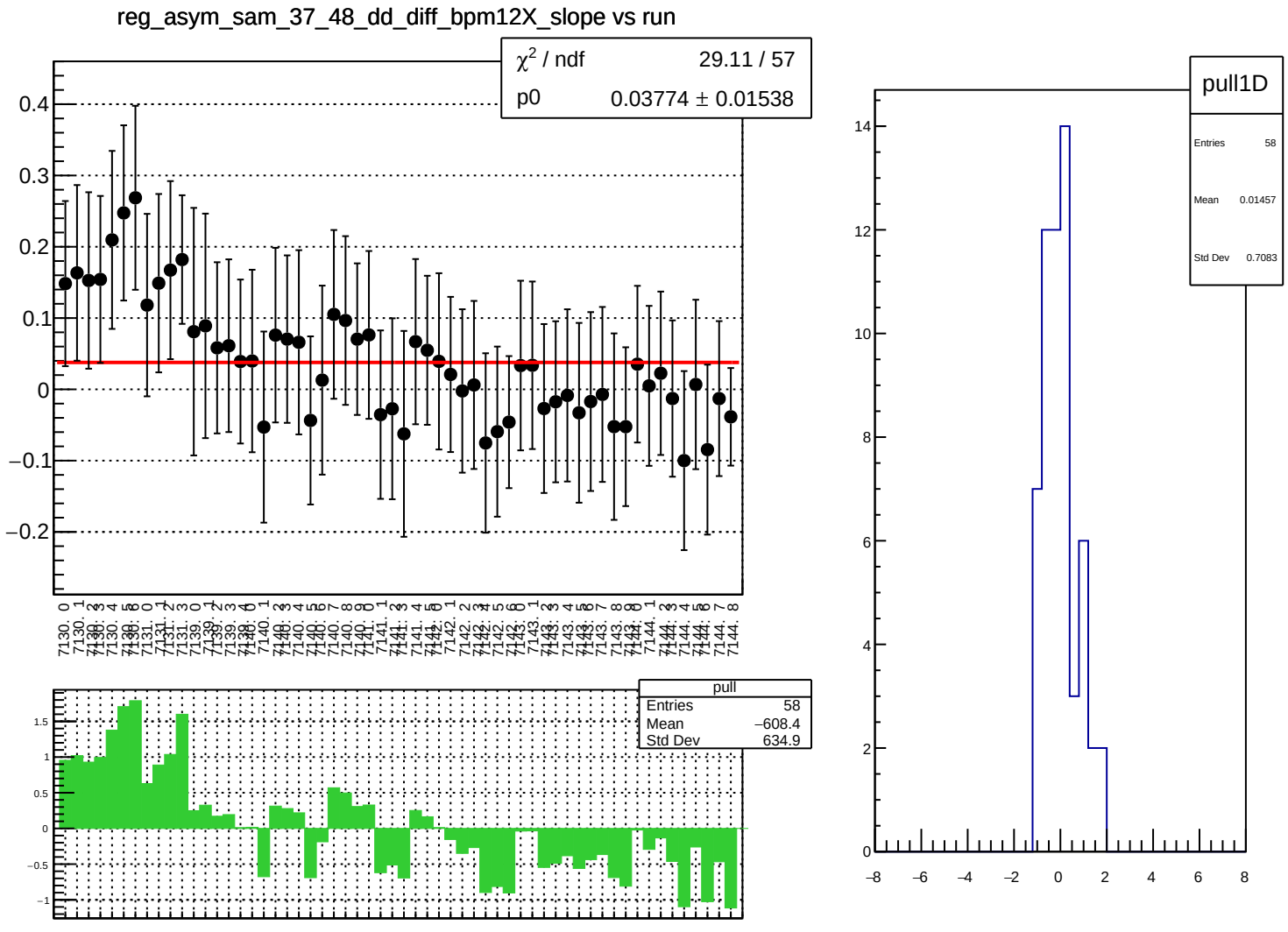

pull1D
Entries 58
Mean 0.04038
Std Dev 2.301

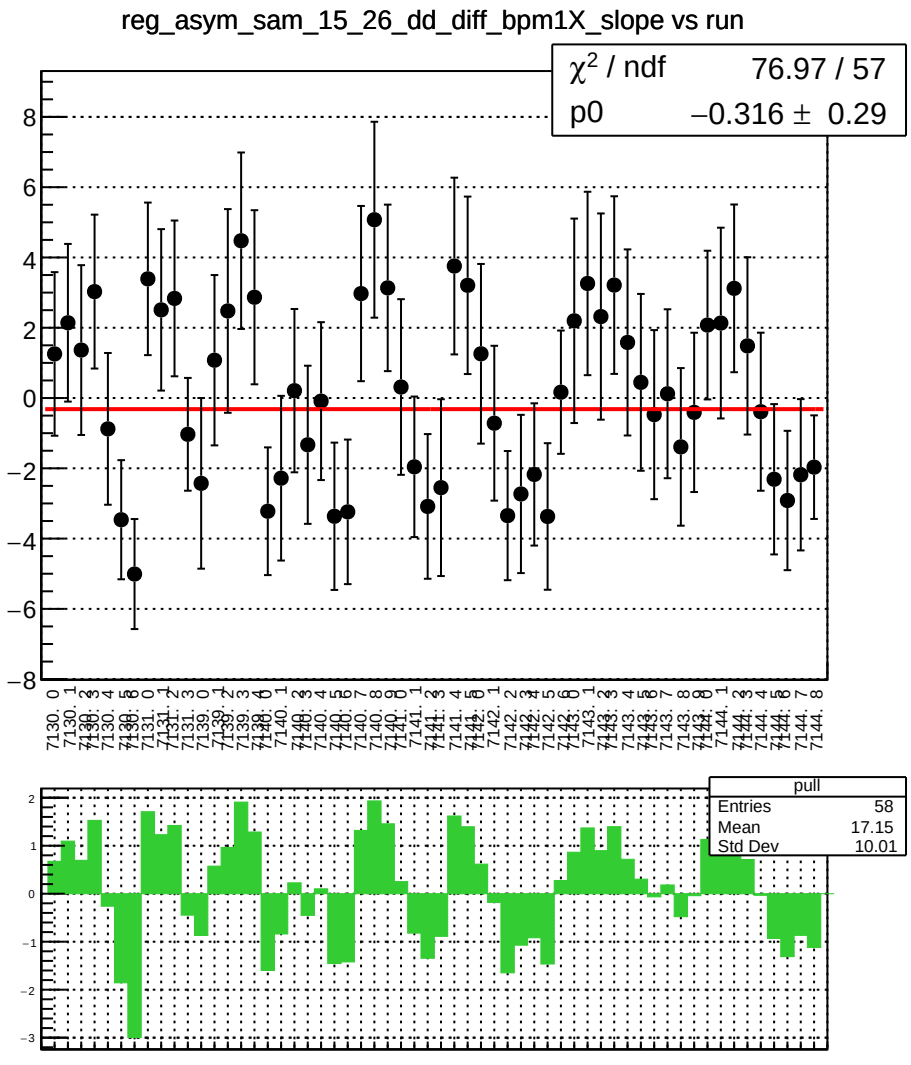

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 778.7 / 57
p0 2.037 ± 0.3496
pull
Entries 58
Mean 7.767
Std Dev 4.4

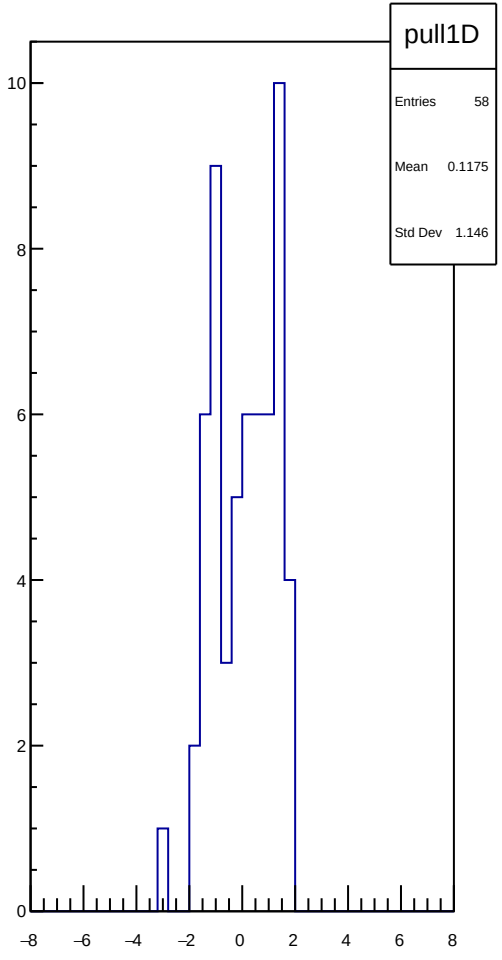

pull1D
Entries 58
Mean 0.4193
Std Dev 3.64

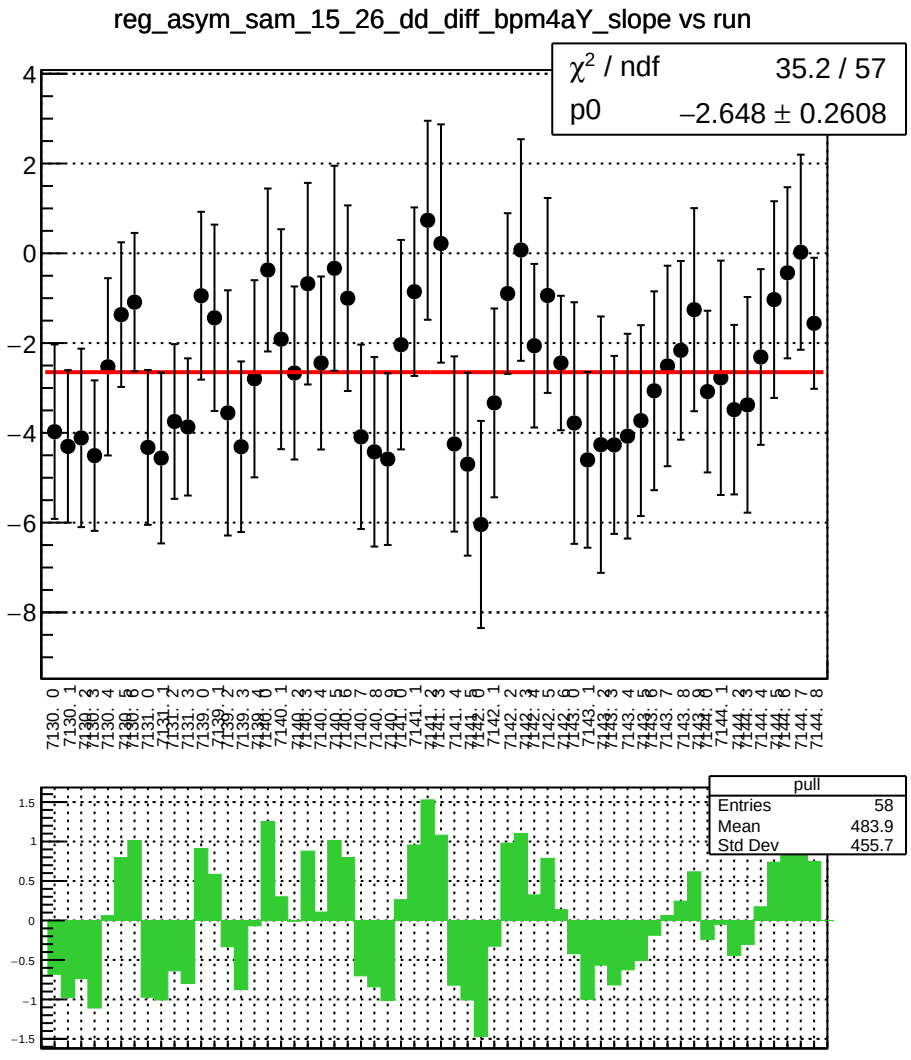

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 198.7 / 57
p0 −49.97 ± 0.3329
pull
Entries 58
Mean −68.88
Std Dev 95.17

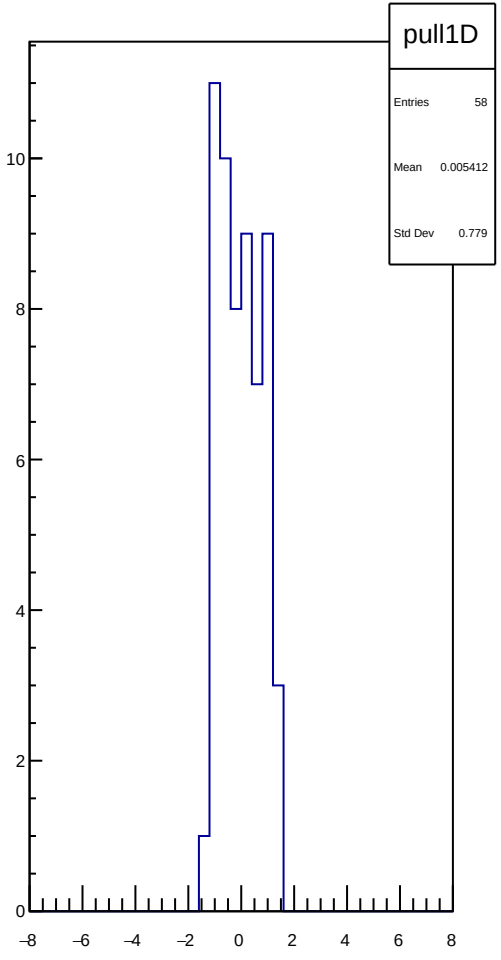

pull1D
Entries 58
Mean −0.07515
Std Dev 1.849

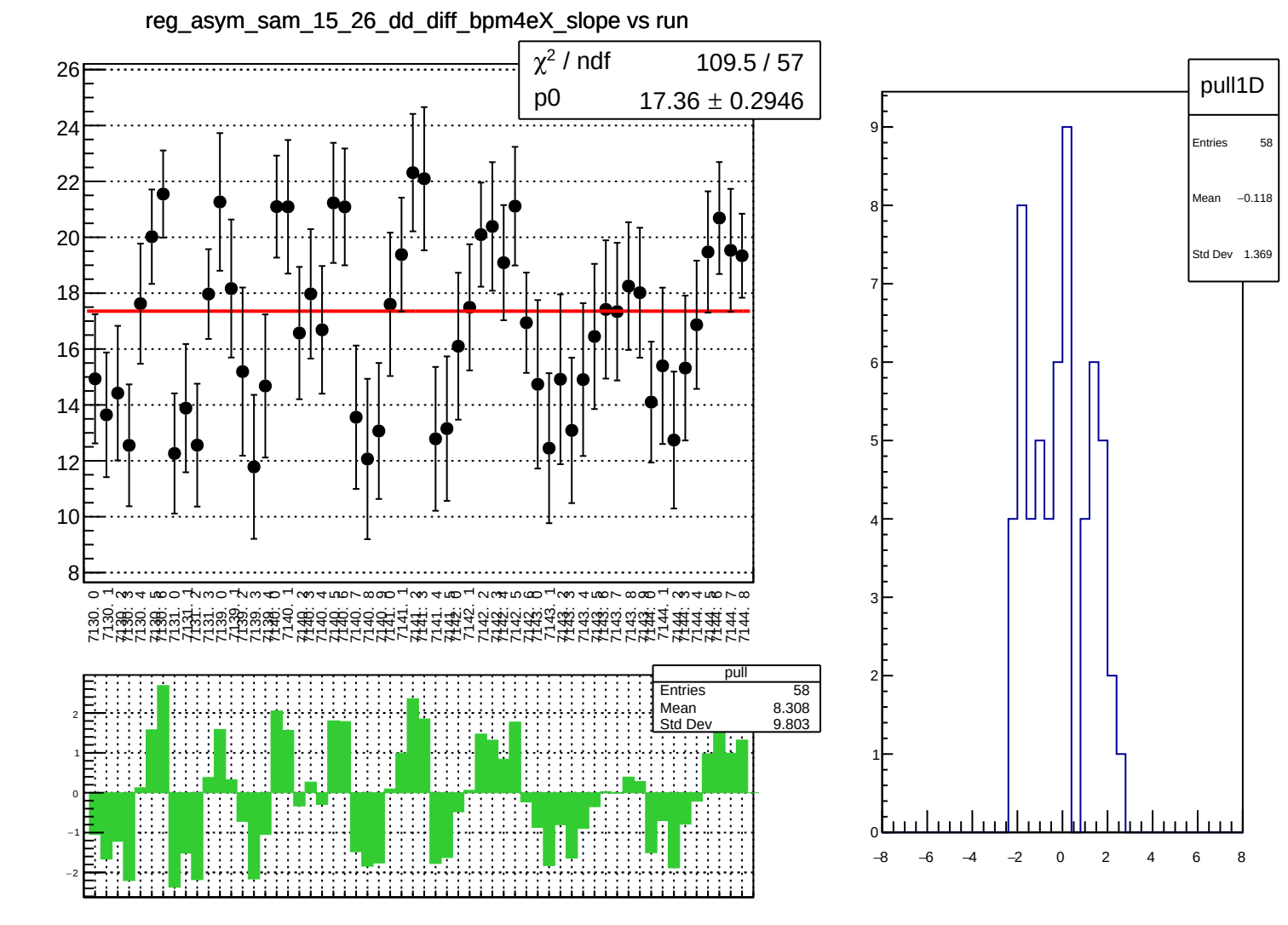

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 29.11 / 57
p0 0.03774 ± 0.01538
pull
Entries 58
Mean −608.4
Std Dev 634.9
pull1D
Entries 58
Mean 0.01457
Std Dev 0.7083

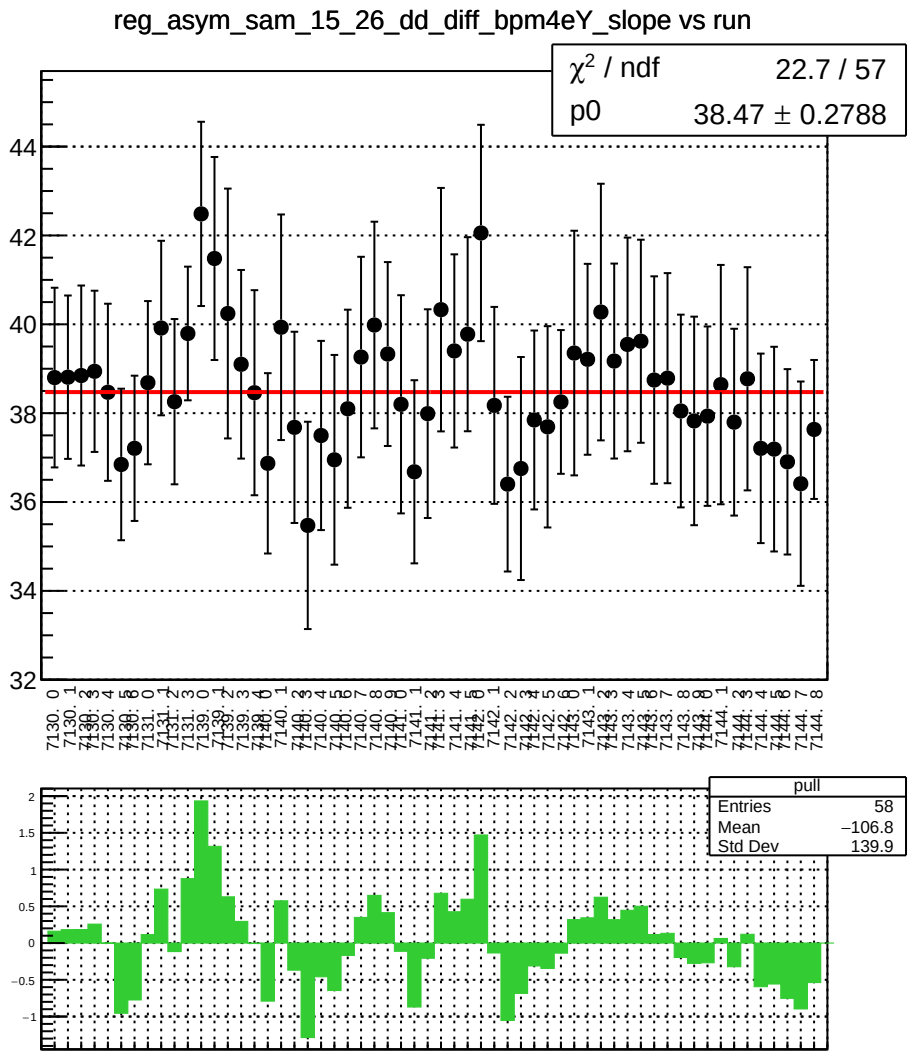

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 76.97 / 57
p0 −0.316 ± 0.29
pull
Entries 58
Mean 17.15
Std Dev 10.01

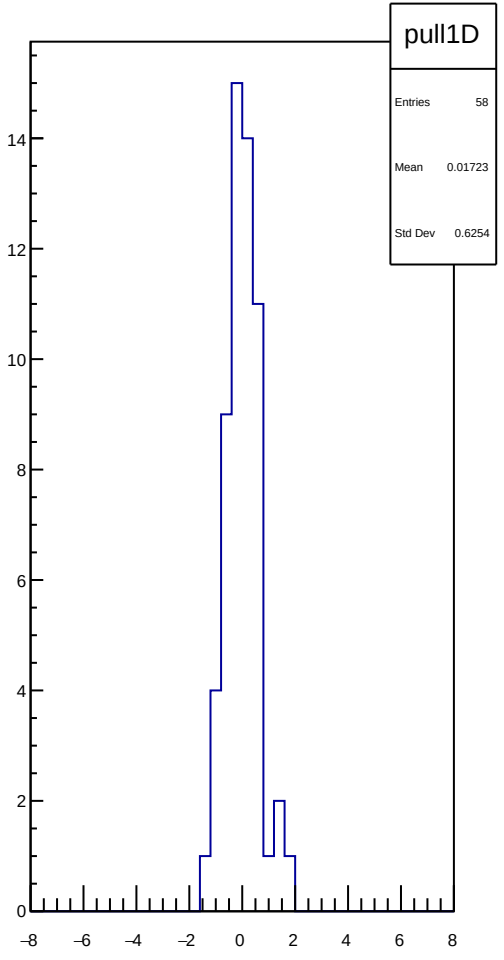

pull1D
Entries 58
Mean 0.1175
Std Dev 1.146

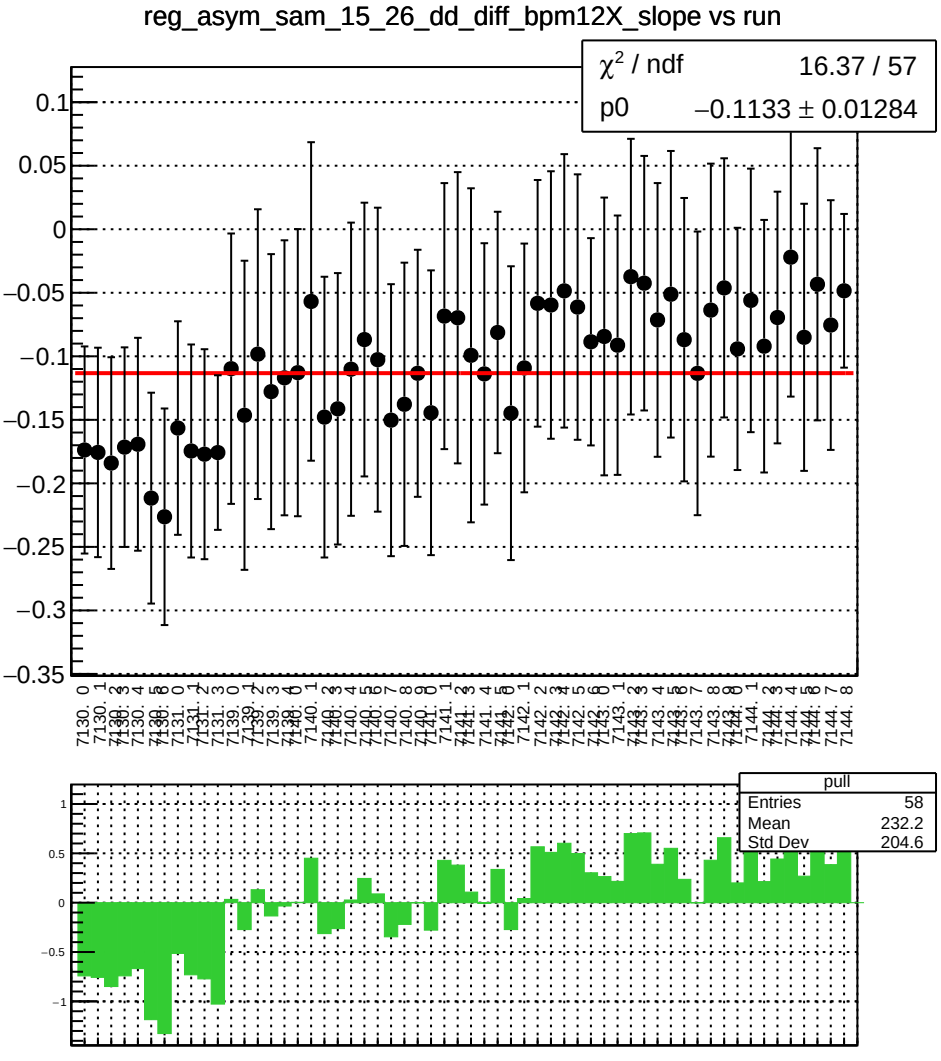

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.2 / 57
p0 −2.648 ± 0.2608
pull
Entries 58
Mean 483.9
Std Dev 455.7

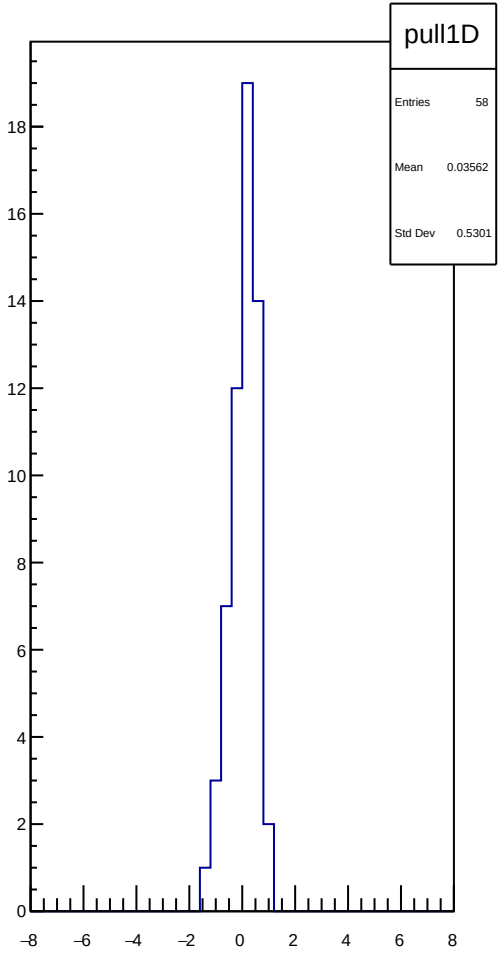

pull1D
Entries 58
Mean 0.005412
Std Dev 0.779

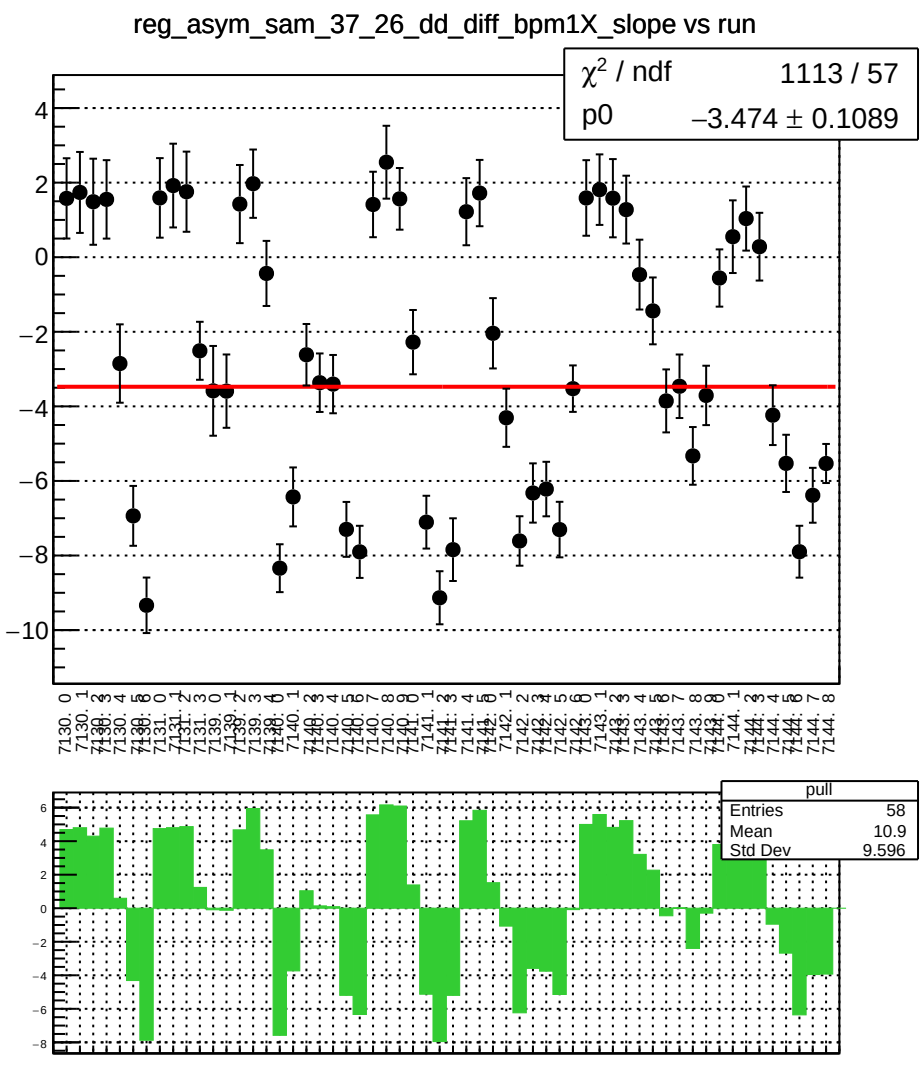

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 109.5 / 57
p0 17.36 ± 0.2946
pull
Entries 58
Mean 8.308
Std Dev 9.803
pull1D
Entries 58
Mean −0.118
Std Dev 1.369

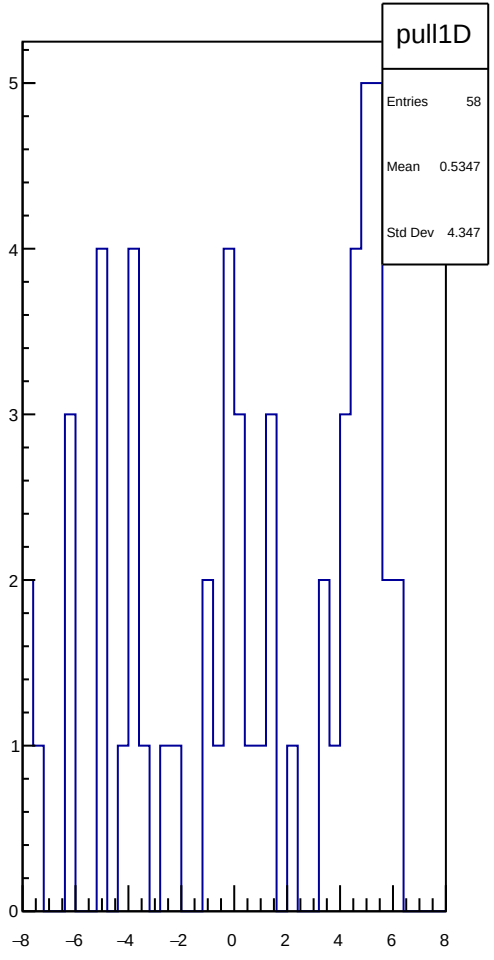

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.7 / 57
p0 38.47 ± 0.2788
pull
Entries 58
Mean −106.8
Std Dev 139.9

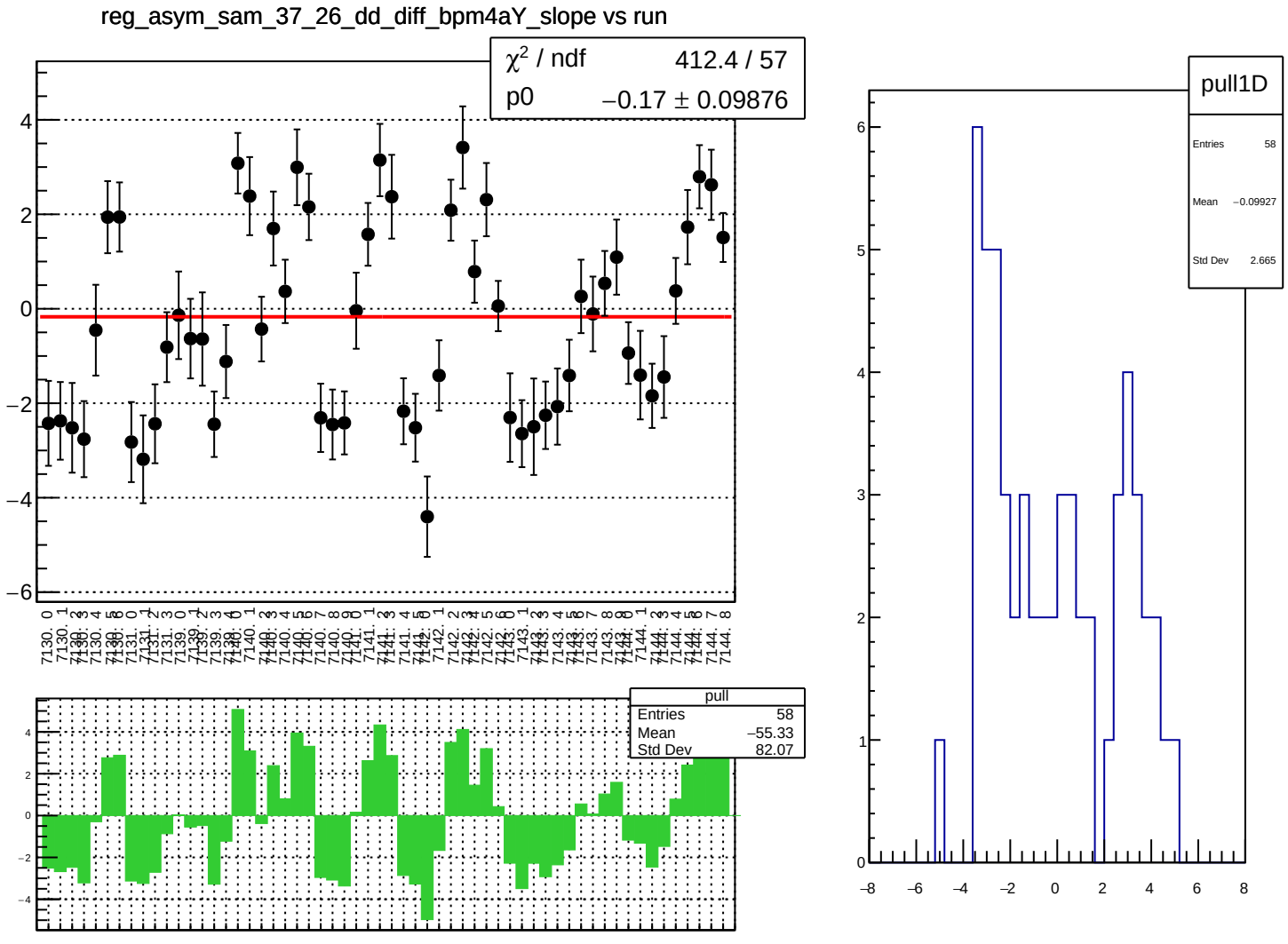

pull1D
Entries 58
Mean 0.01723
Std Dev 0.6254

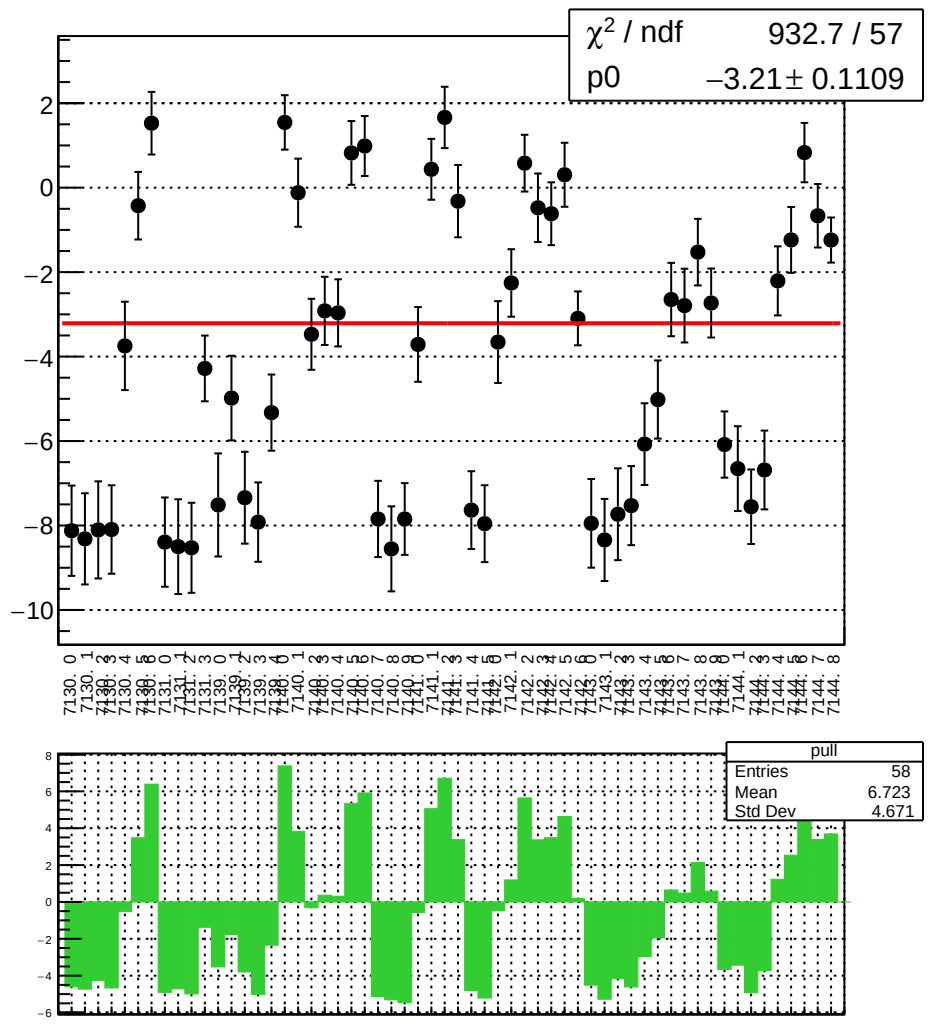

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 16.37 / 57
p0 −0.1133 ± 0.01284
pull
Entries 58
Mean 232.2
Std Dev 204.6

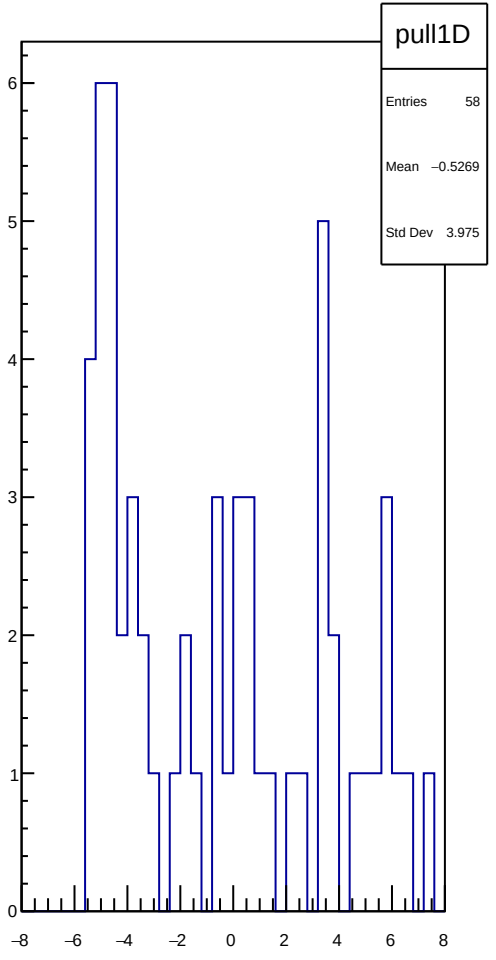

pull1D
Entries 58
Mean 0.03562
Std Dev 0.5301

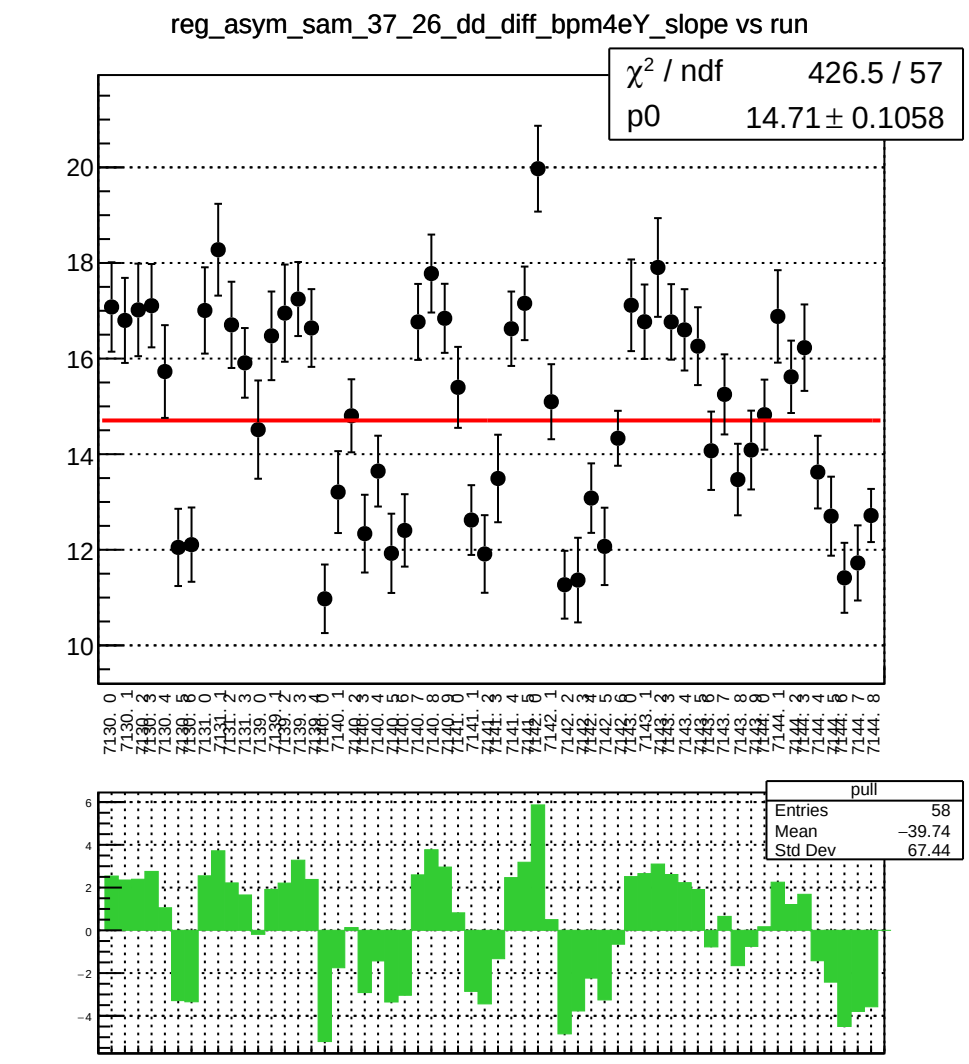

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1113 / 57
p0 −3.474 ± 0.1089
pull
Entries 58
Mean 10.9
Std Dev 9.596

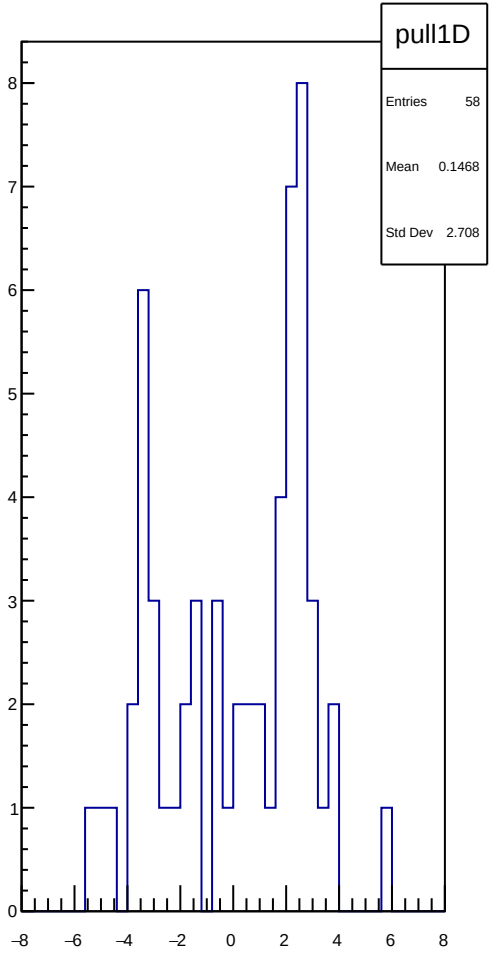

pull1D
Entries 58
Mean 0.5347
Std Dev 4.347

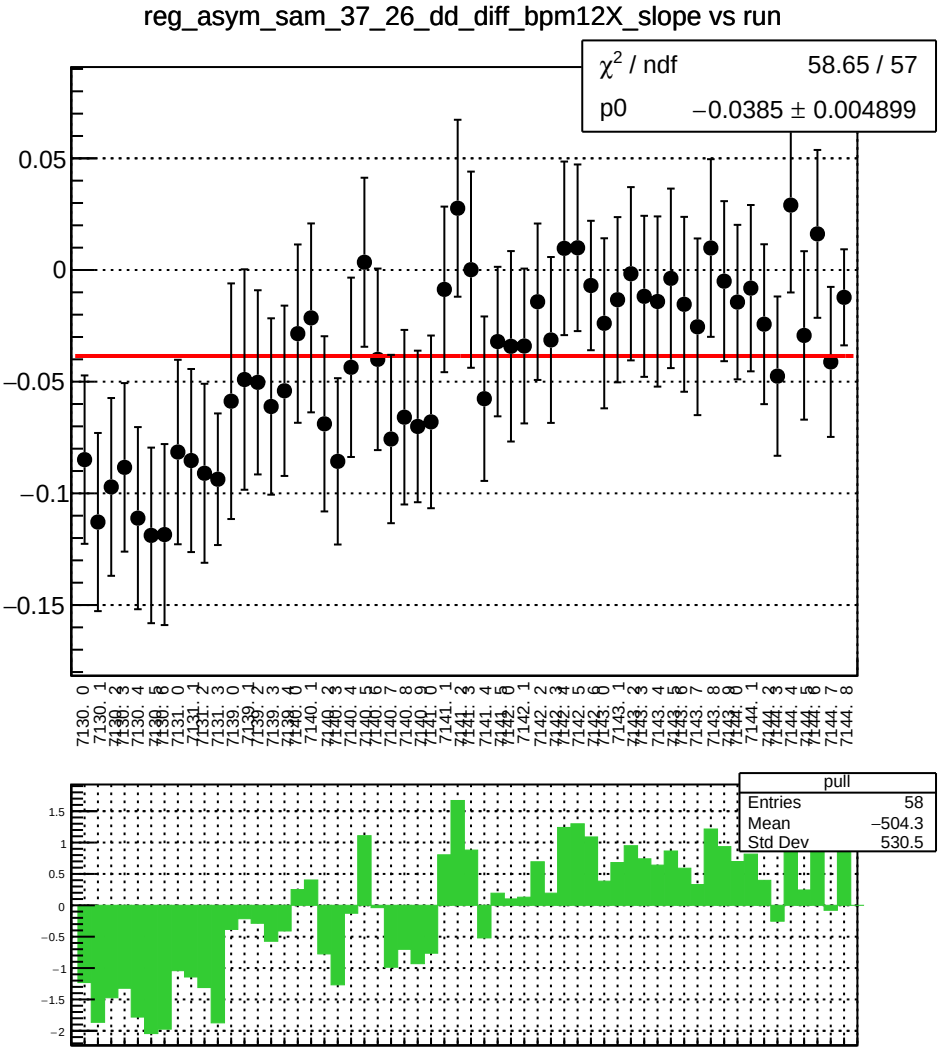

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 412.4 / 57
p0 −0.17 ± 0.09876
pull
Entries 58
Mean −55.33
Std Dev 82.07
pull1D
Entries 58
Mean −0.09927
Std Dev 2.665

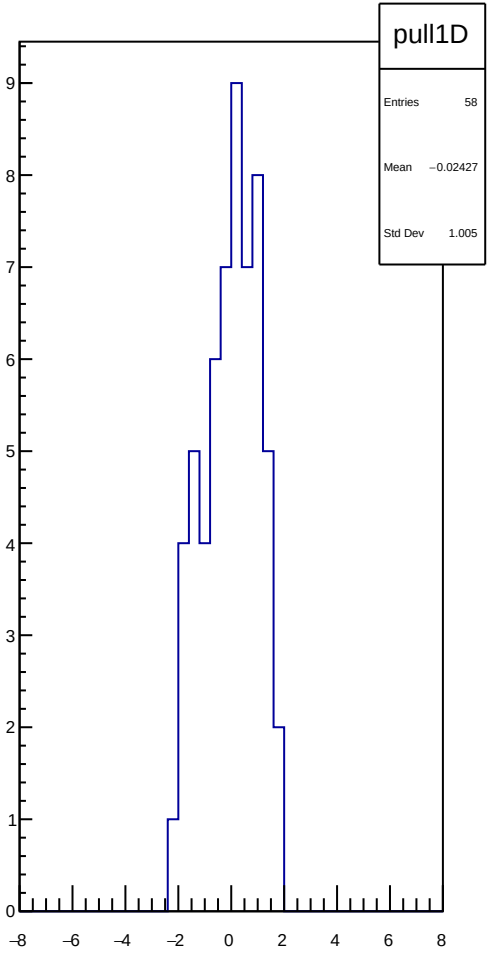

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 932.7 / 57
p0 −3.21 ± 0.1109
pull
Entries 58
Mean 6.723
Std Dev 4.671

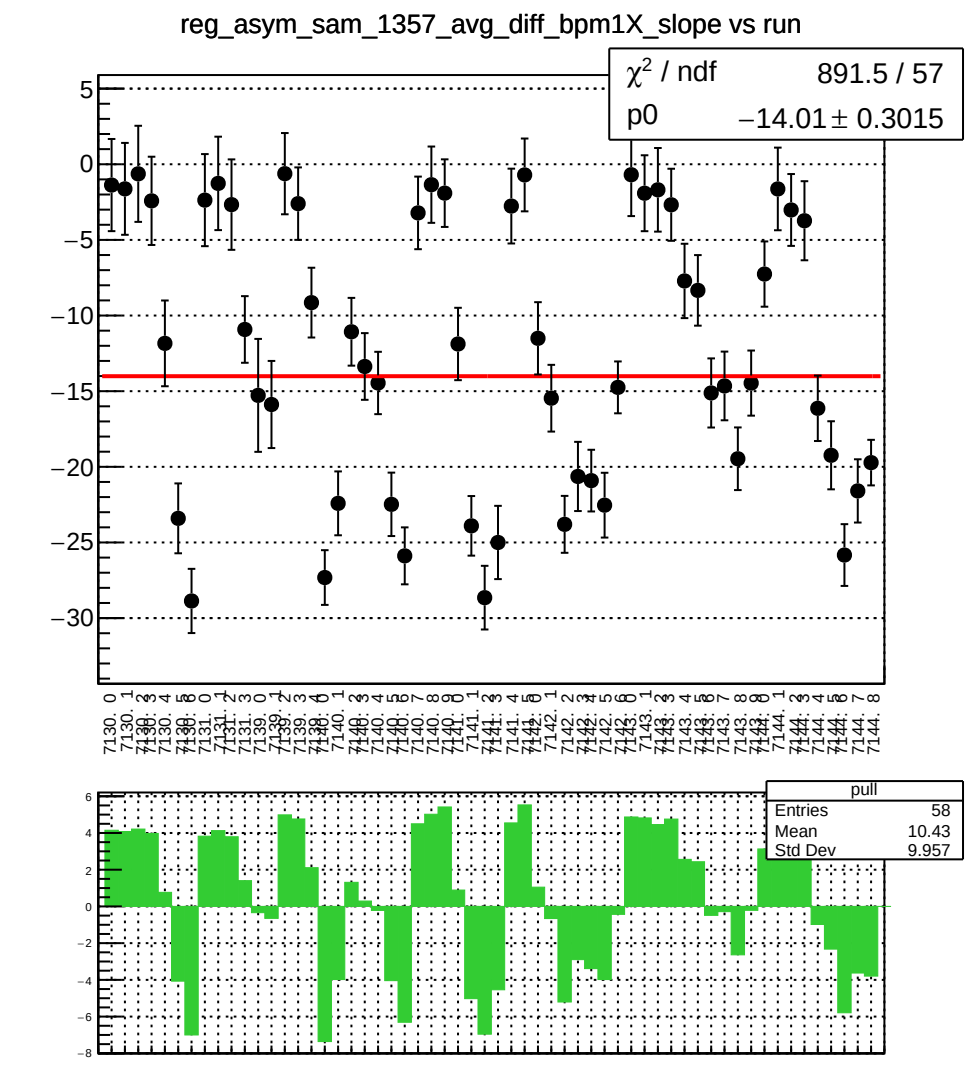

pull1D
Entries 58
Mean −0.5269
Std Dev 3.975

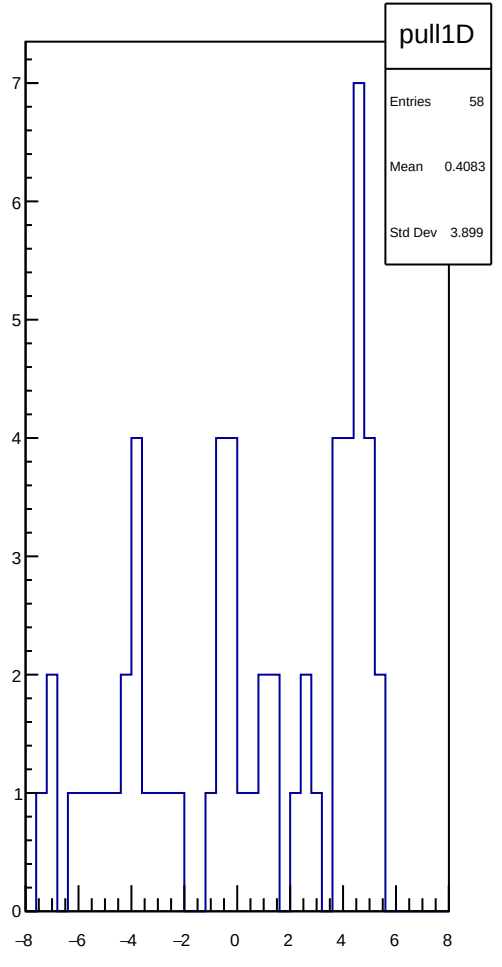

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 426.5 / 57
p0 14.71 ± 0.1058
pull
Entries 58
Mean −39.74
Std Dev 67.44

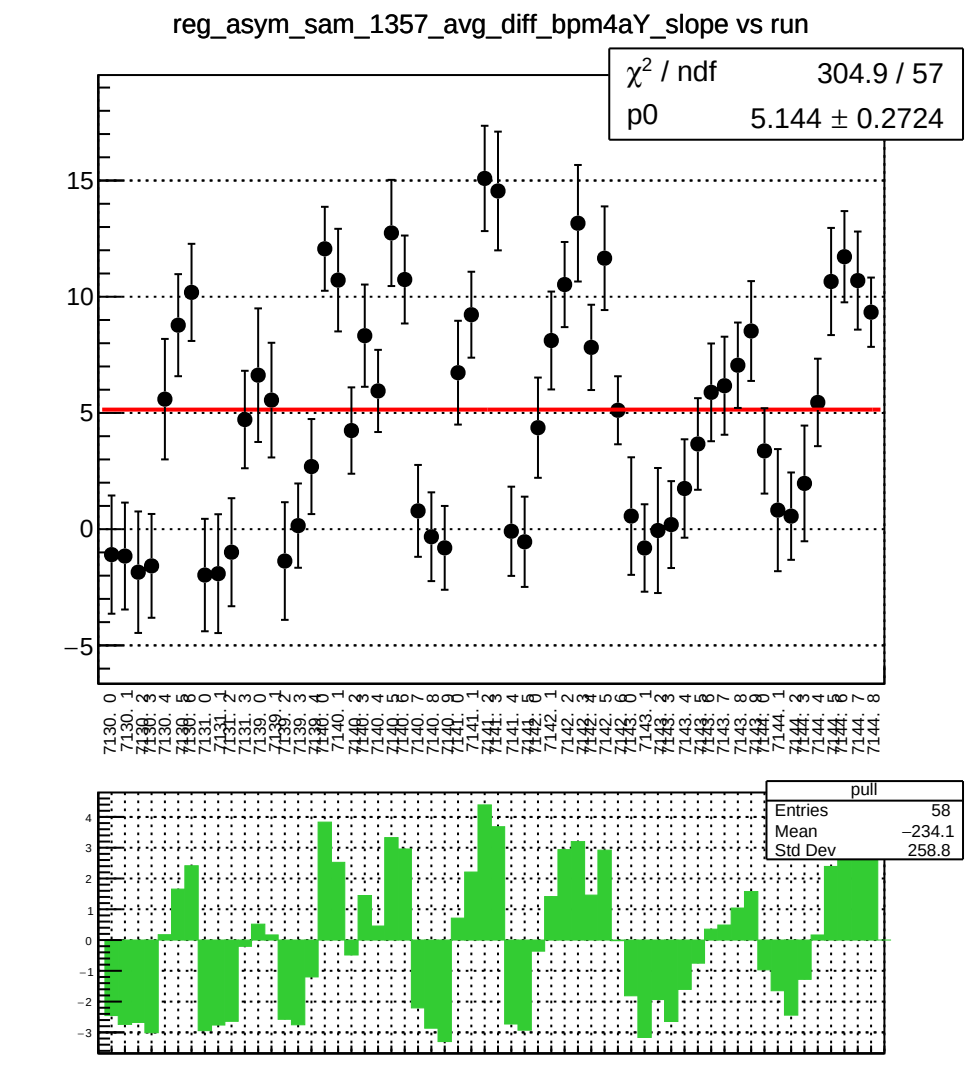

pull1D
Entries 58
Mean 0.1468
Std Dev 2.708

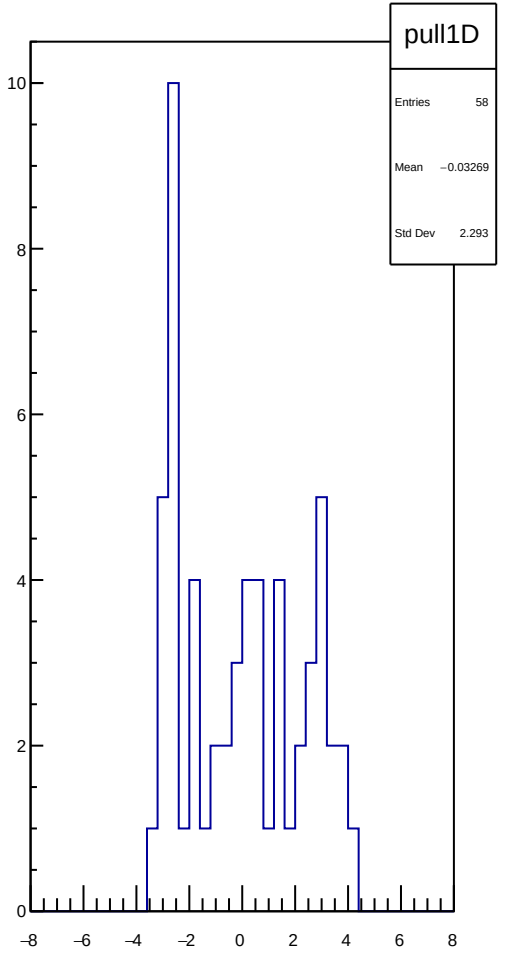

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 58.65 / 57
p0 −0.0385 ± 0.004899
0.05
0
−0.05
−0.1
−0.15
pull
Entries 58
Mean −504.3
Std Dev 530.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

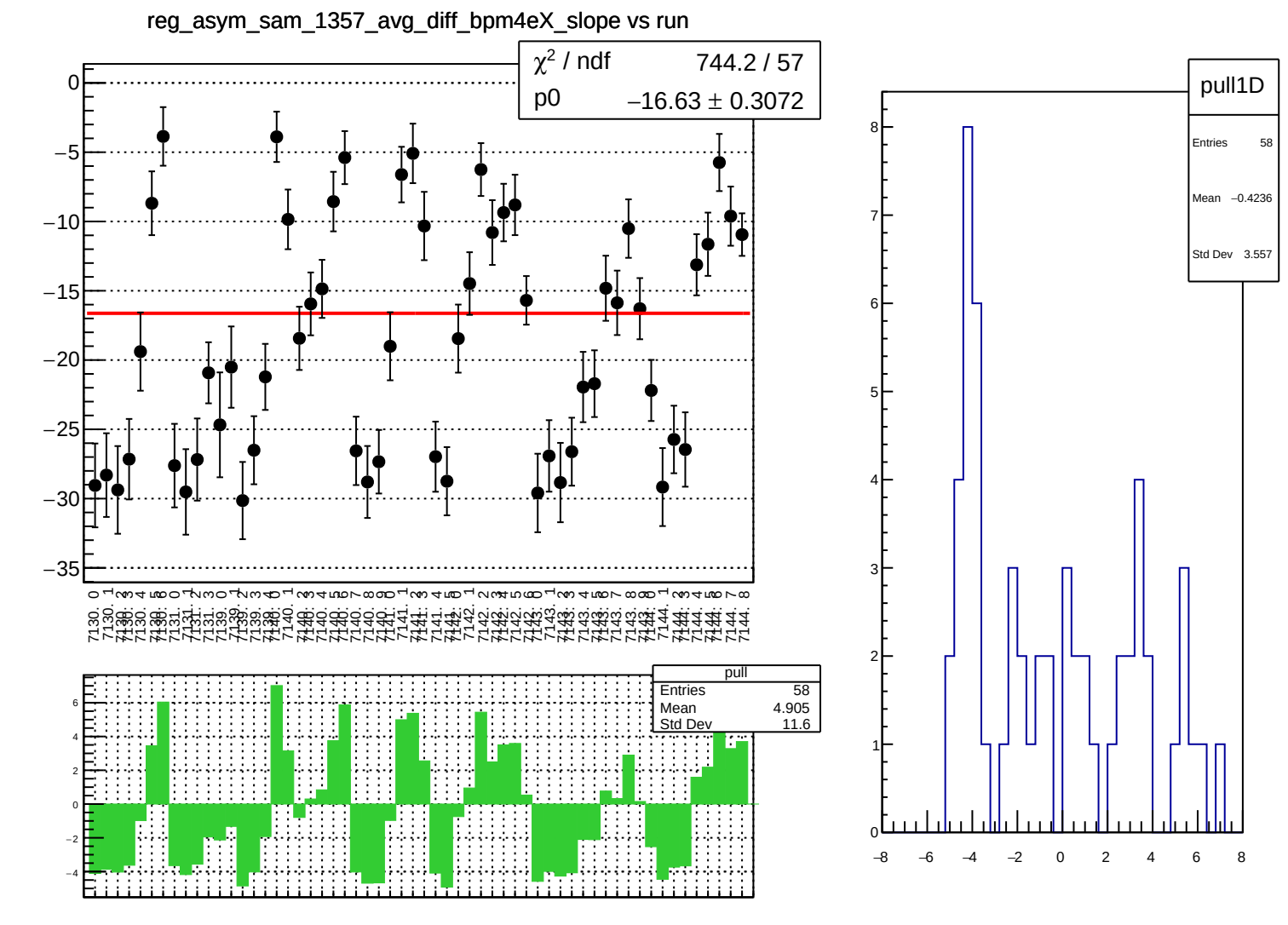

pull1D
Entries 58
Mean −0.02427
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

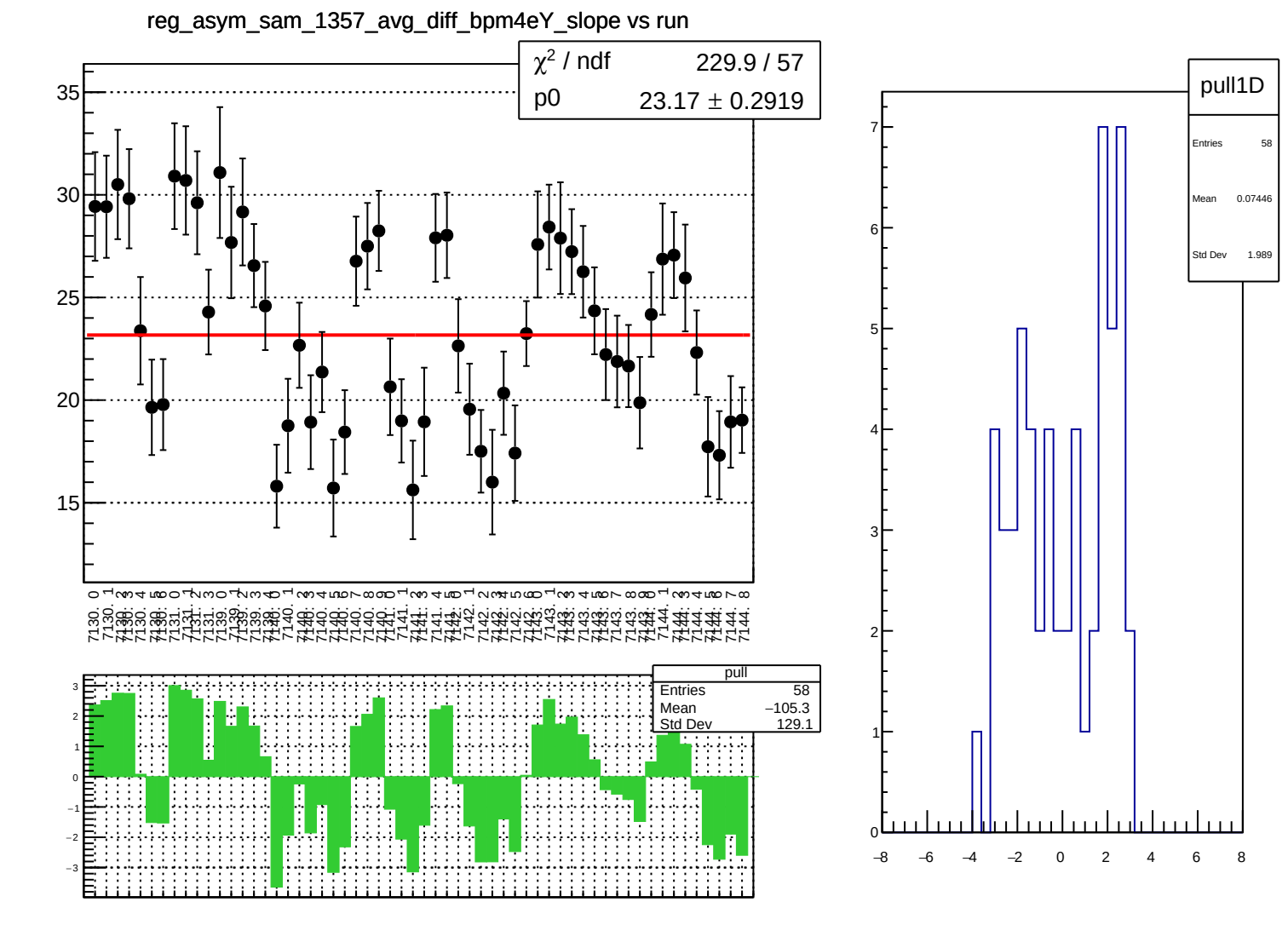

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 891.5 / 57
p0 −14.01 ± 0.3015
pull
Entries 58
Mean 10.43
Std Dev 9.957

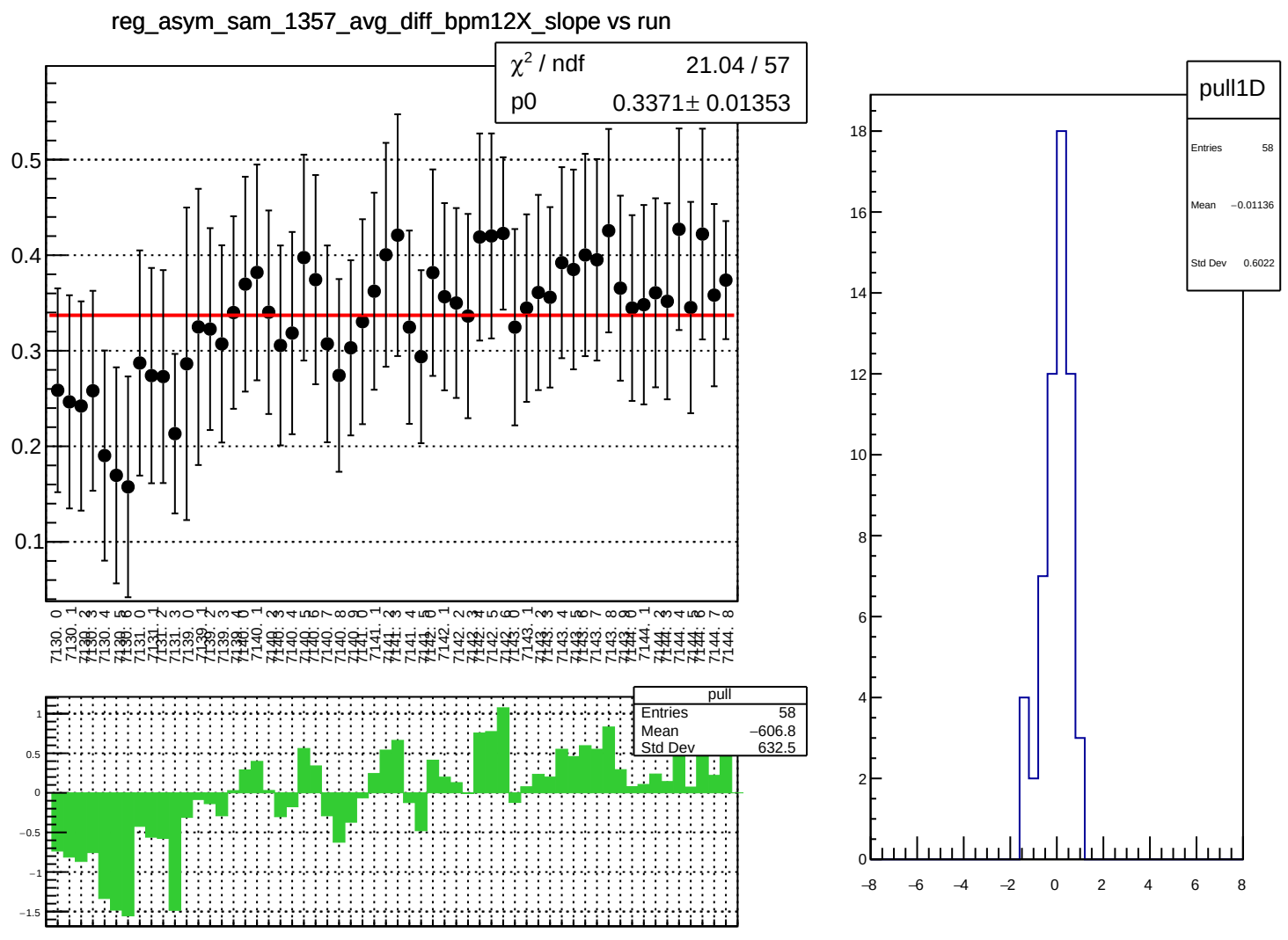

pull1D
Entries 58
Mean 0.4083
Std Dev 3.899

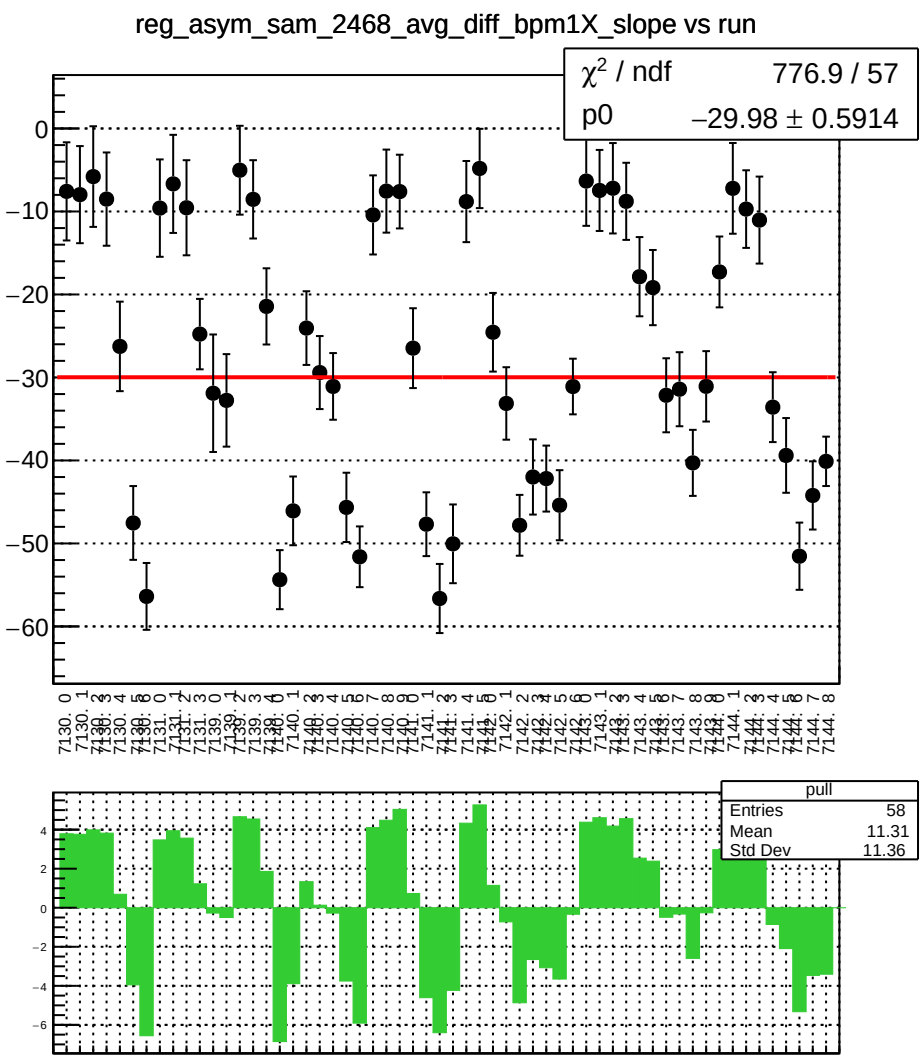

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 304.9 / 57
p0 5.144 ± 0.2724
pull
Entries 58
Mean −234.1
Std Dev 258.8

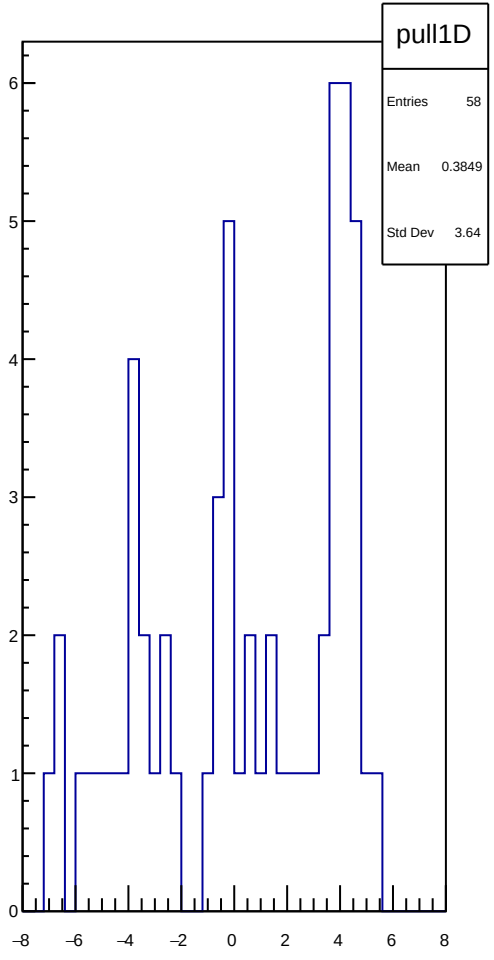

pull1D
Entries 58
Mean −0.03269
Std Dev 2.293

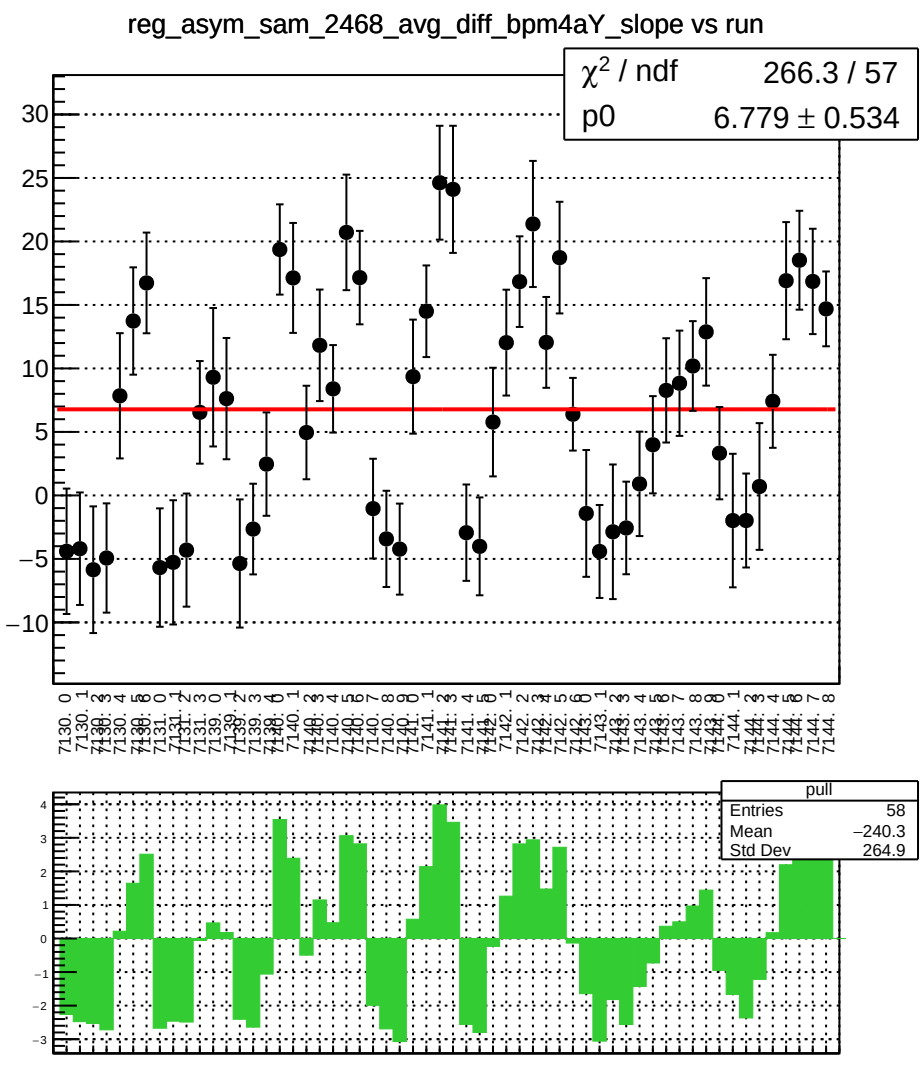

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 744.2 / 57
p0 −16.63 ± 0.3072
pull
Entries 58
Mean 4.905
Std Dev 11.6
pull1D
Entries 58
Mean −0.4236
Std Dev 3.557

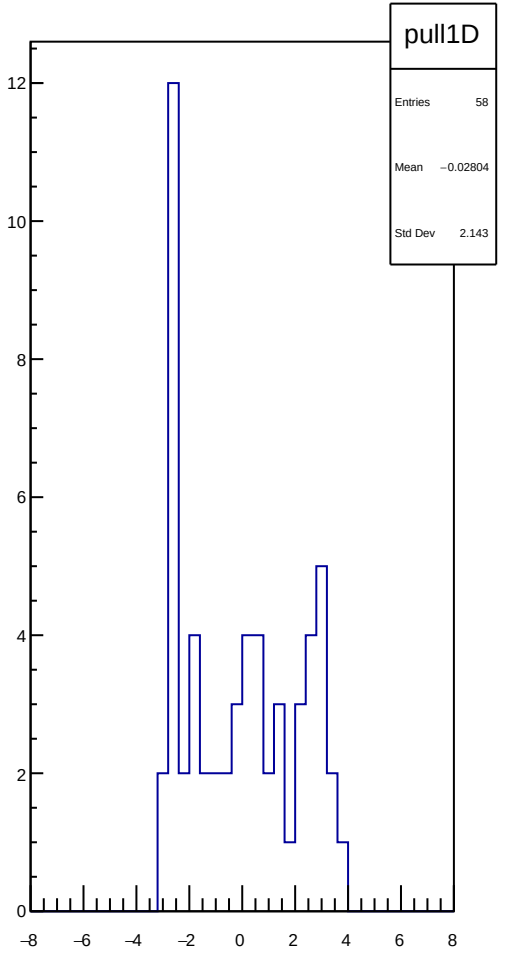

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 229.9 / 57
p0 23.17 ± 0.2919
pull
Entries 58
Mean −105.3
Std Dev 129.1
pull1D
Entries 58
Mean 0.07446
Std Dev 1.989

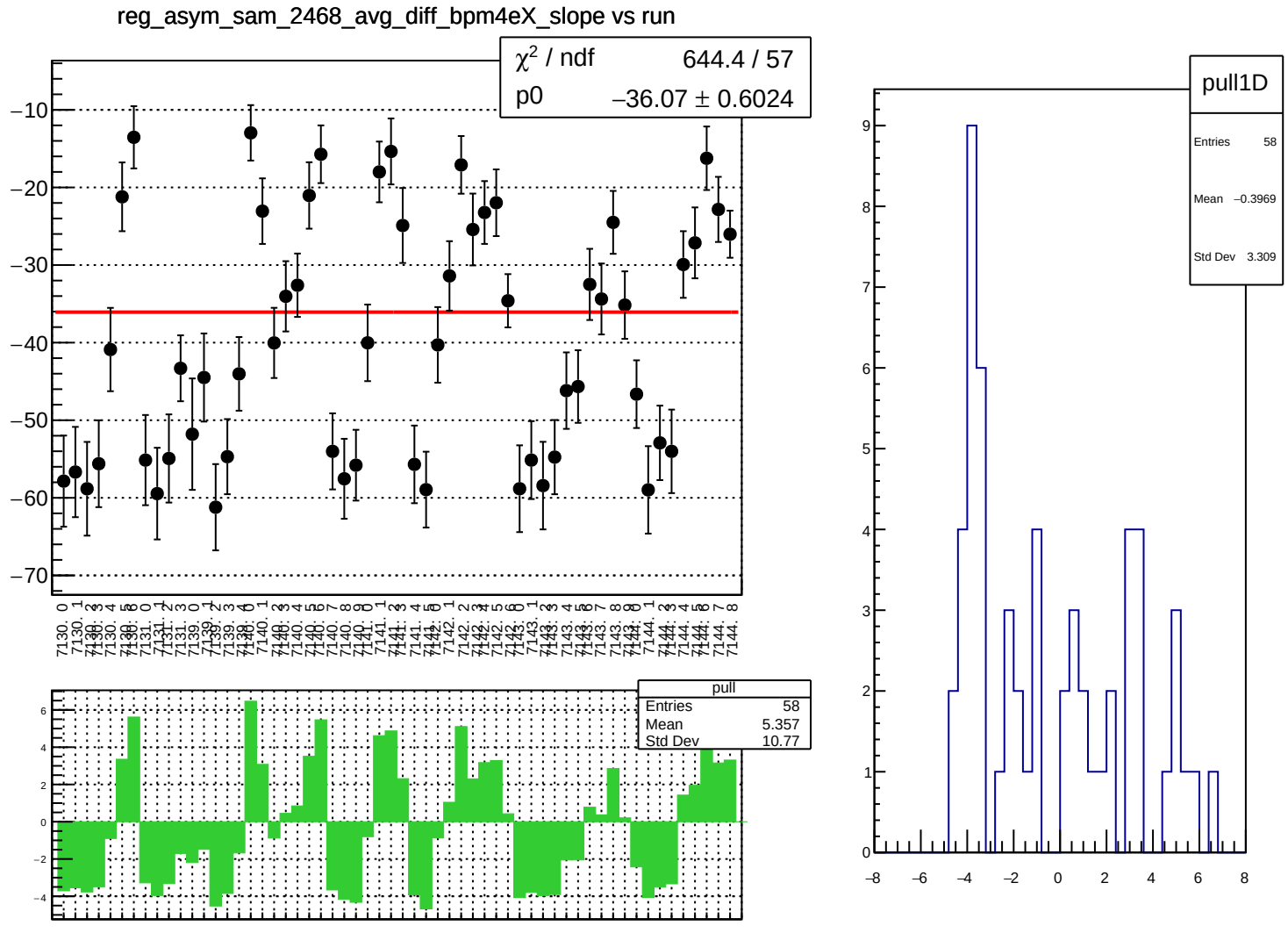

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 21.04 / 57
p0 0.3371± 0.01353
pull
Entries 58
Mean −606.8
Std Dev 632.5
pull1D
Entries 58
Mean −0.01136
Std Dev 0.6022

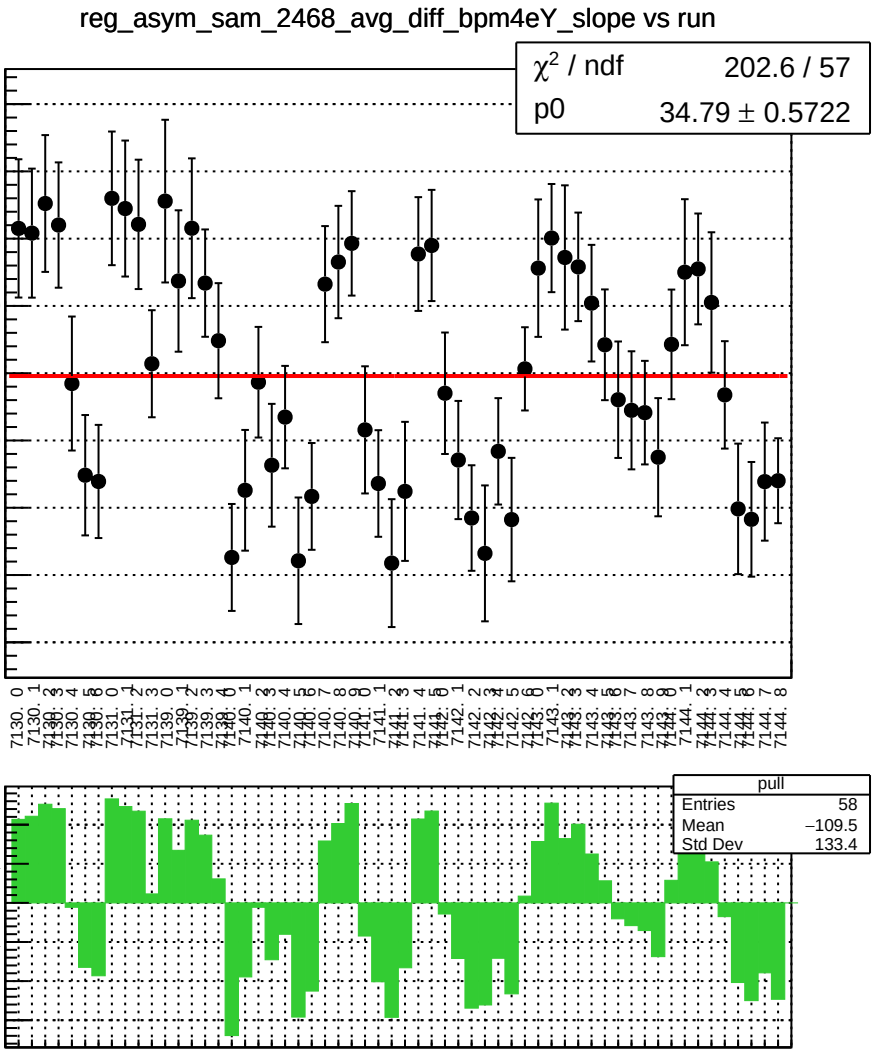

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 776.9 / 57
p0 −29.98 ± 0.5914
pull
Entries 58
Mean 11.31
Std Dev 11.36

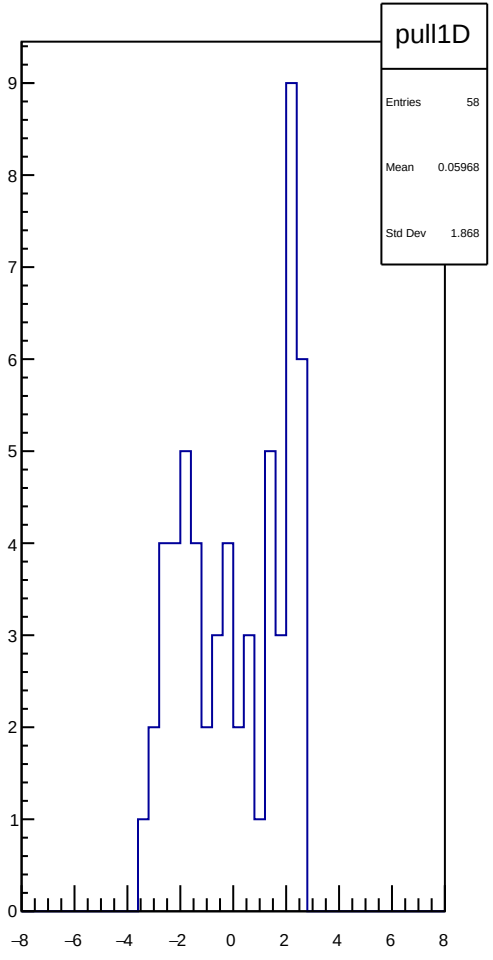

pull1D
Entries 58
Mean 0.3849
Std Dev 3.64

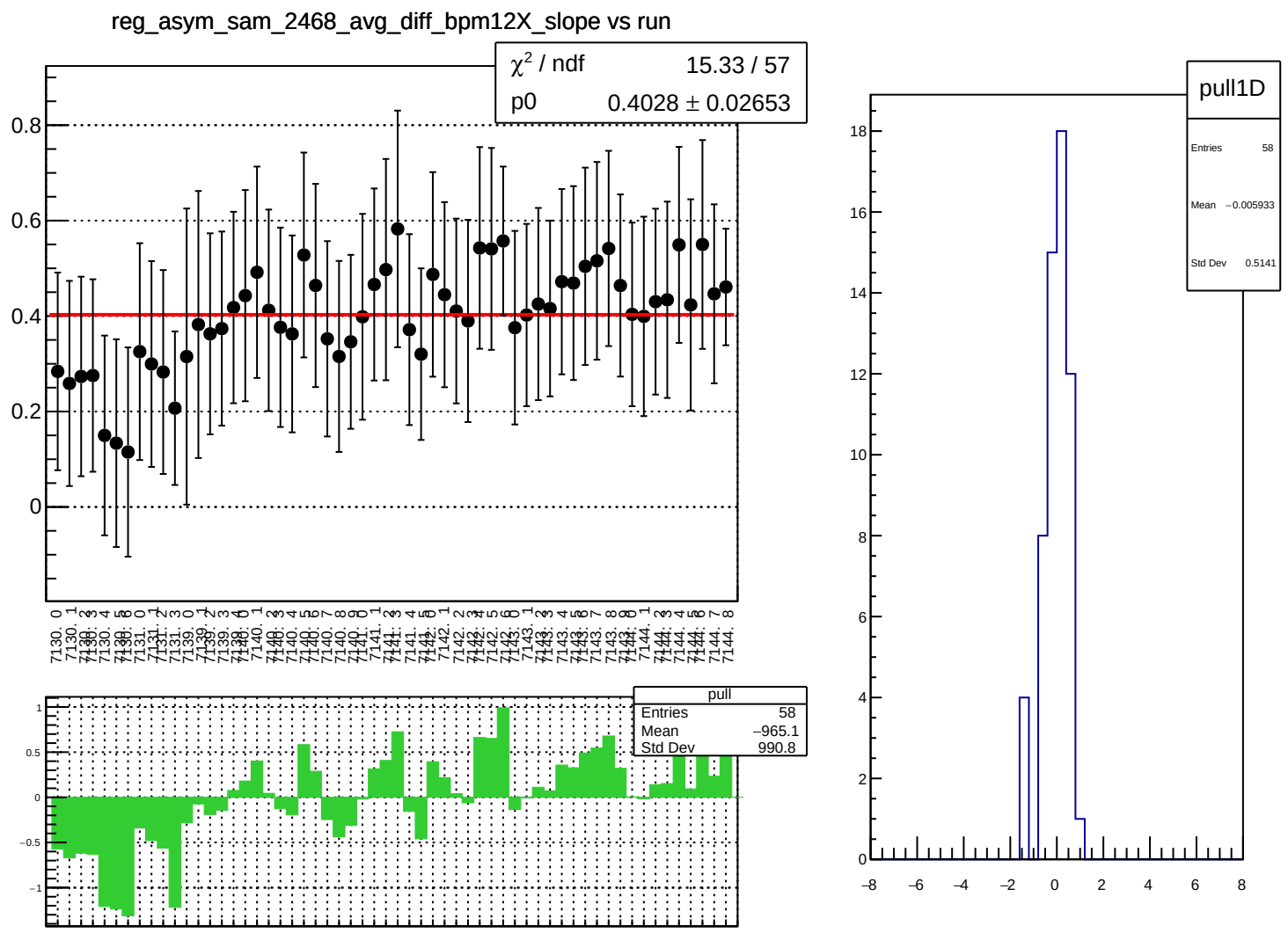

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 266.3 / 57
p0 6.779 ± 0.534
pull
Entries 58
Mean −240.3
Std Dev 264.9

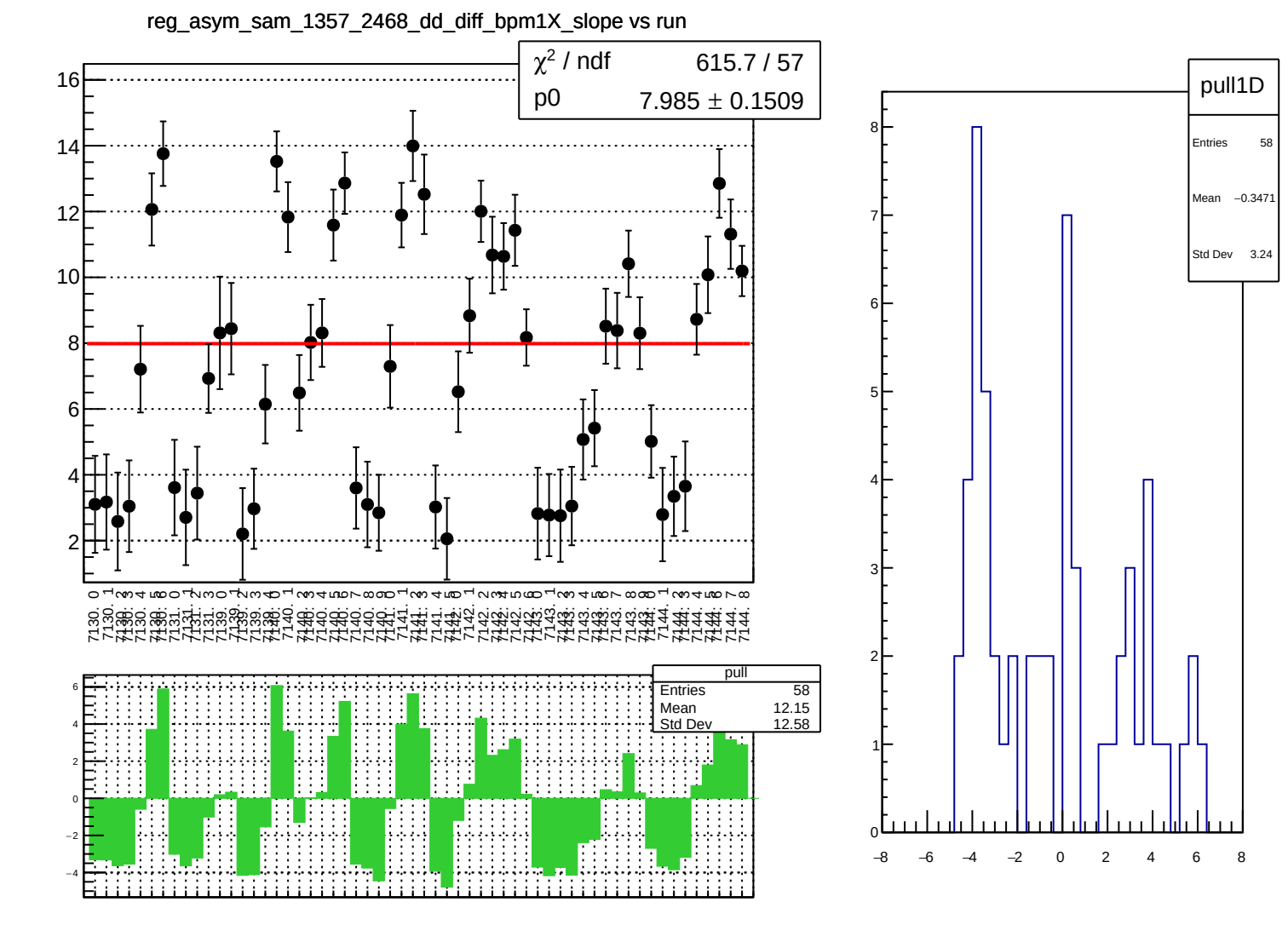

pull1D
Entries 58
Mean −0.02804
Std Dev 2.143

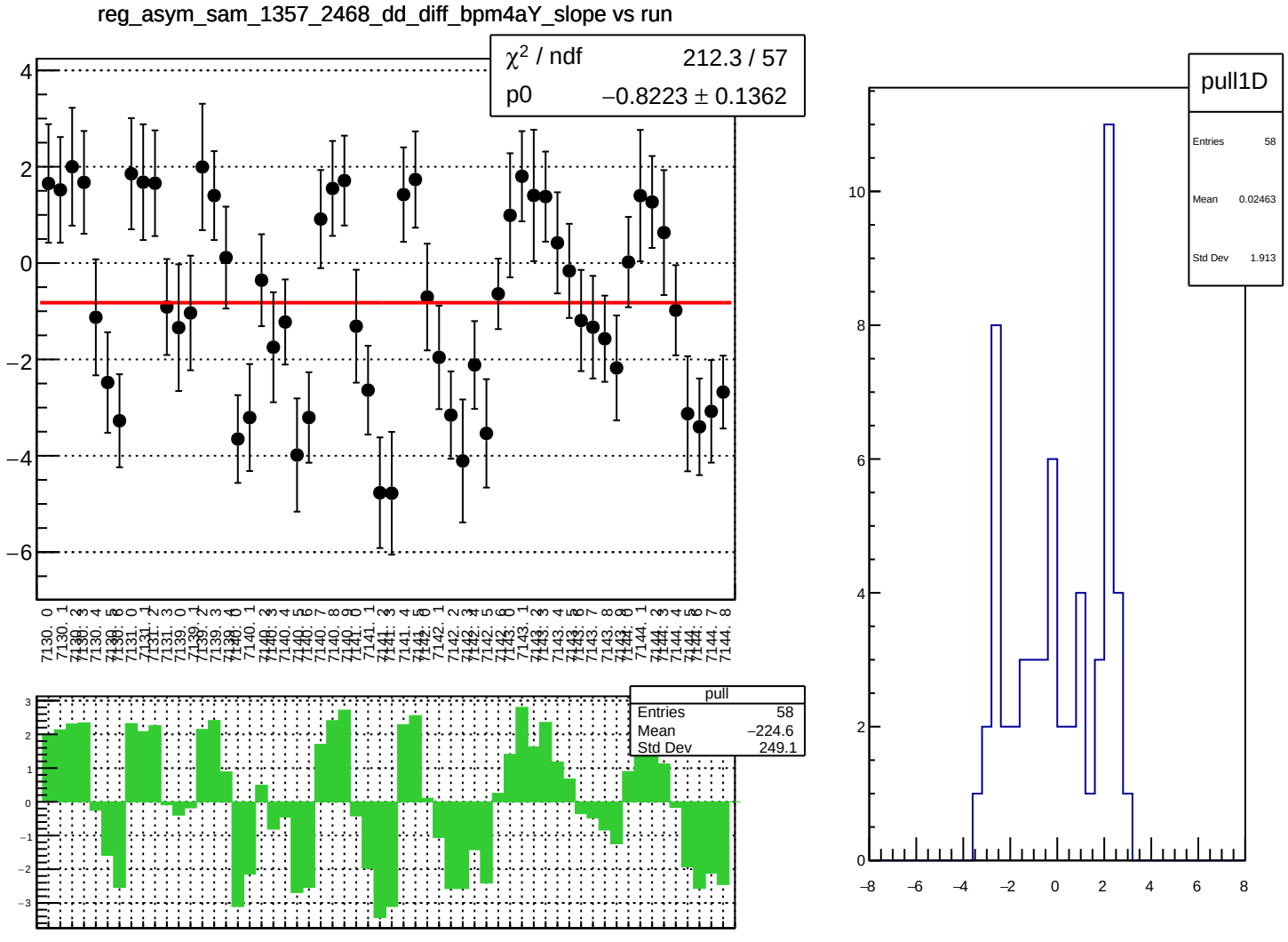

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 644.4 / 57
p0 −36.07 ± 0.6024
pull
Entries 58
Mean 5.357
Std Dev 10.77
pull1D
Entries 58
Mean −0.3969
Std Dev 3.309

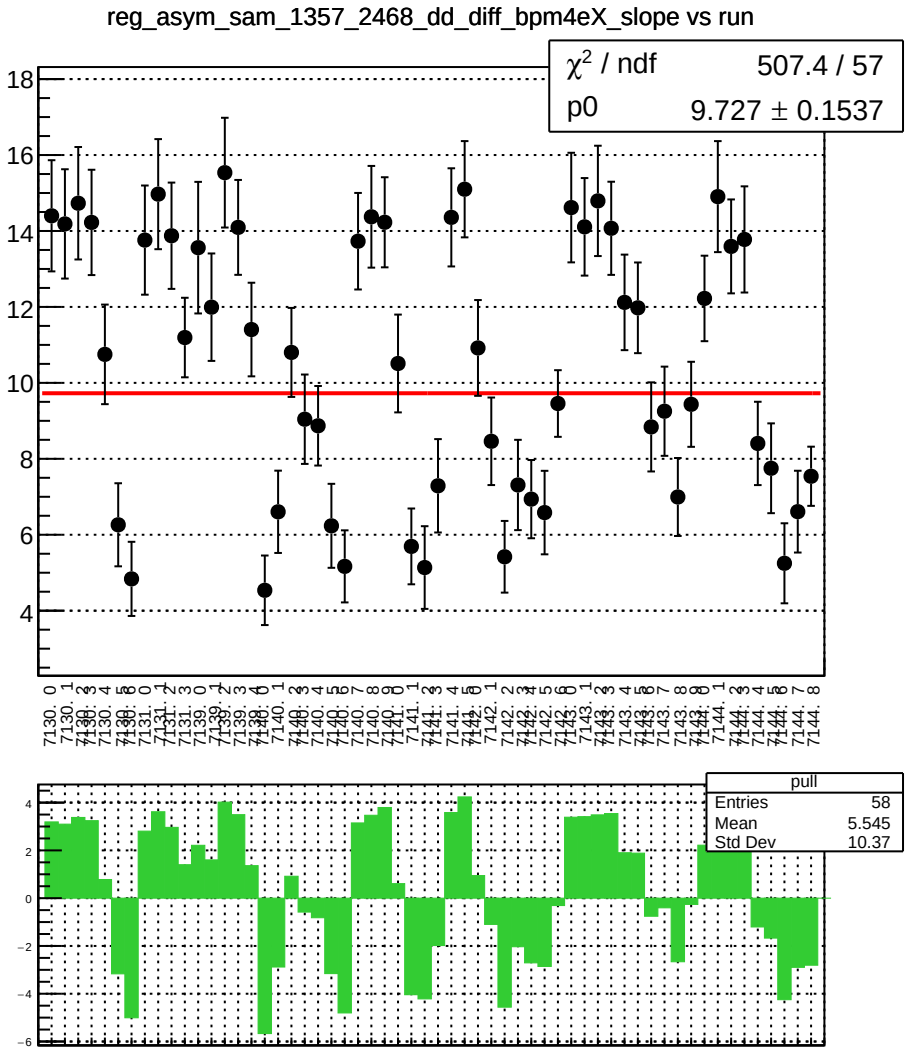

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 202.6 / 57
p0 34.79 ± 0.5722
pull
Entries 58
Mean −109.5
Std Dev 133.4

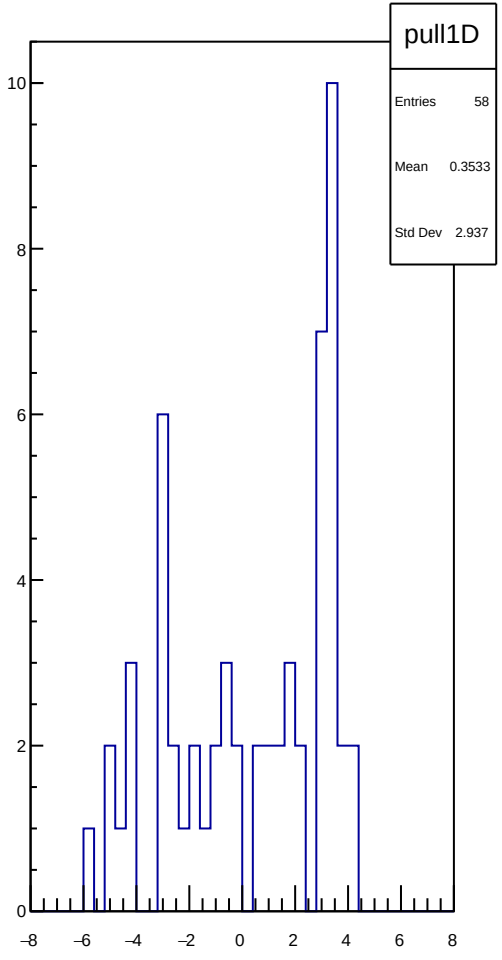

pull1D
Entries 58
Mean 0.05968
Std Dev 1.868

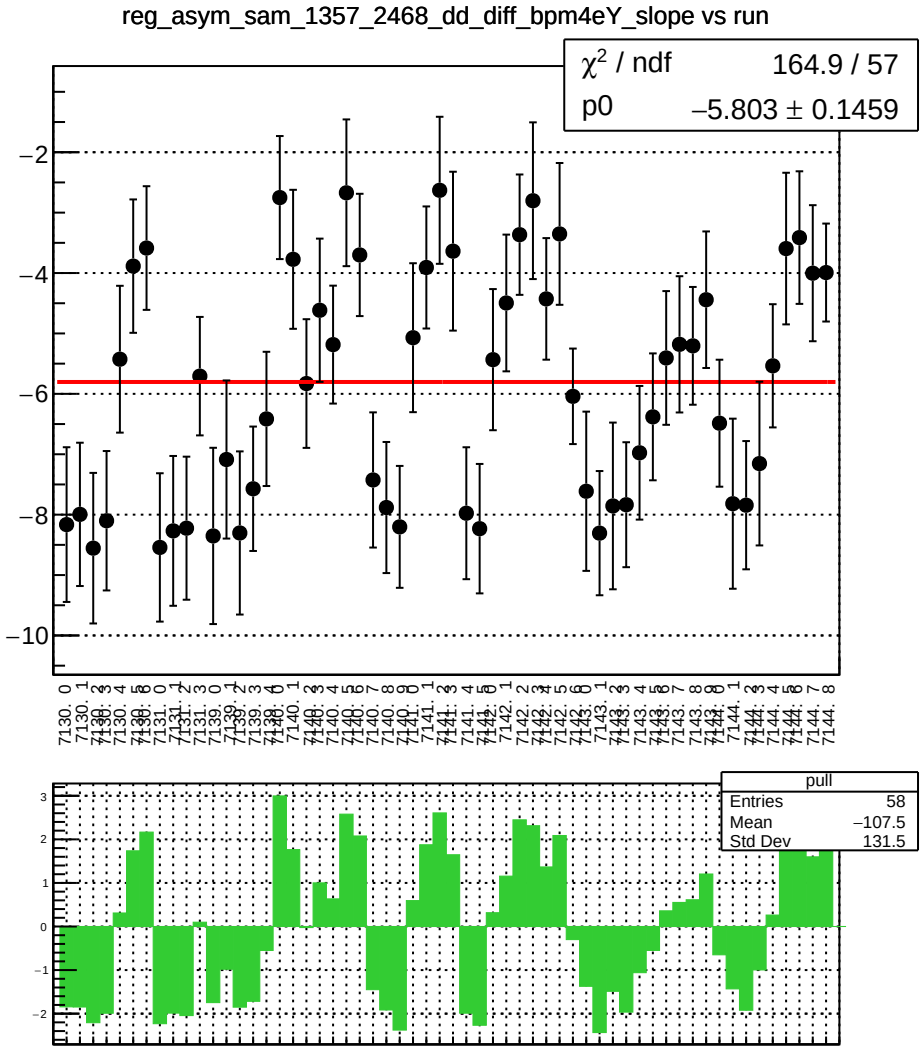

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 15.33 / 57
p0 0.4028 ± 0.02653
pull
Entries 58
Mean −965.1
Std Dev 990.8
pull1D
Entries 58
Mean −0.005933
Std Dev 0.5141

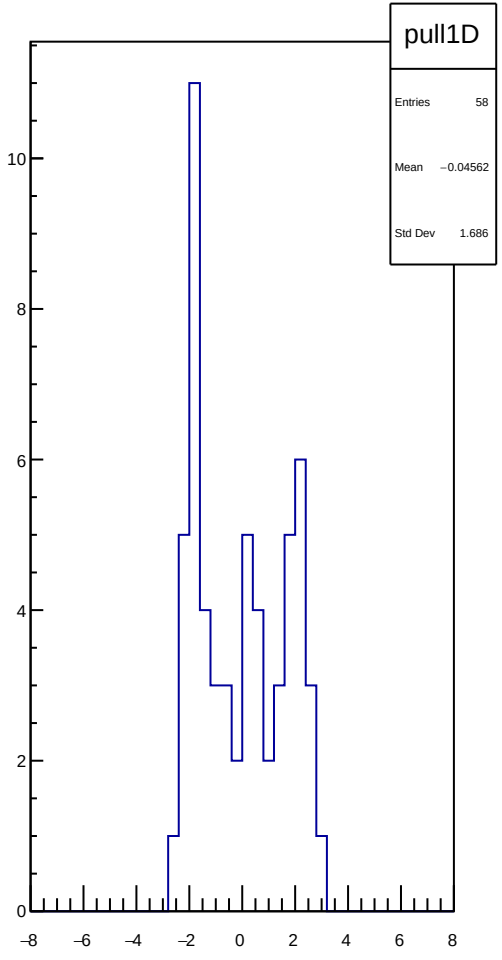

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 615.7 / 57
p0 7.985 ± 0.1509
pull
Entries 58
Mean 12.15
Std Dev 12.58
pull1D
Entries 58
Mean −0.3471
Std Dev 3.24

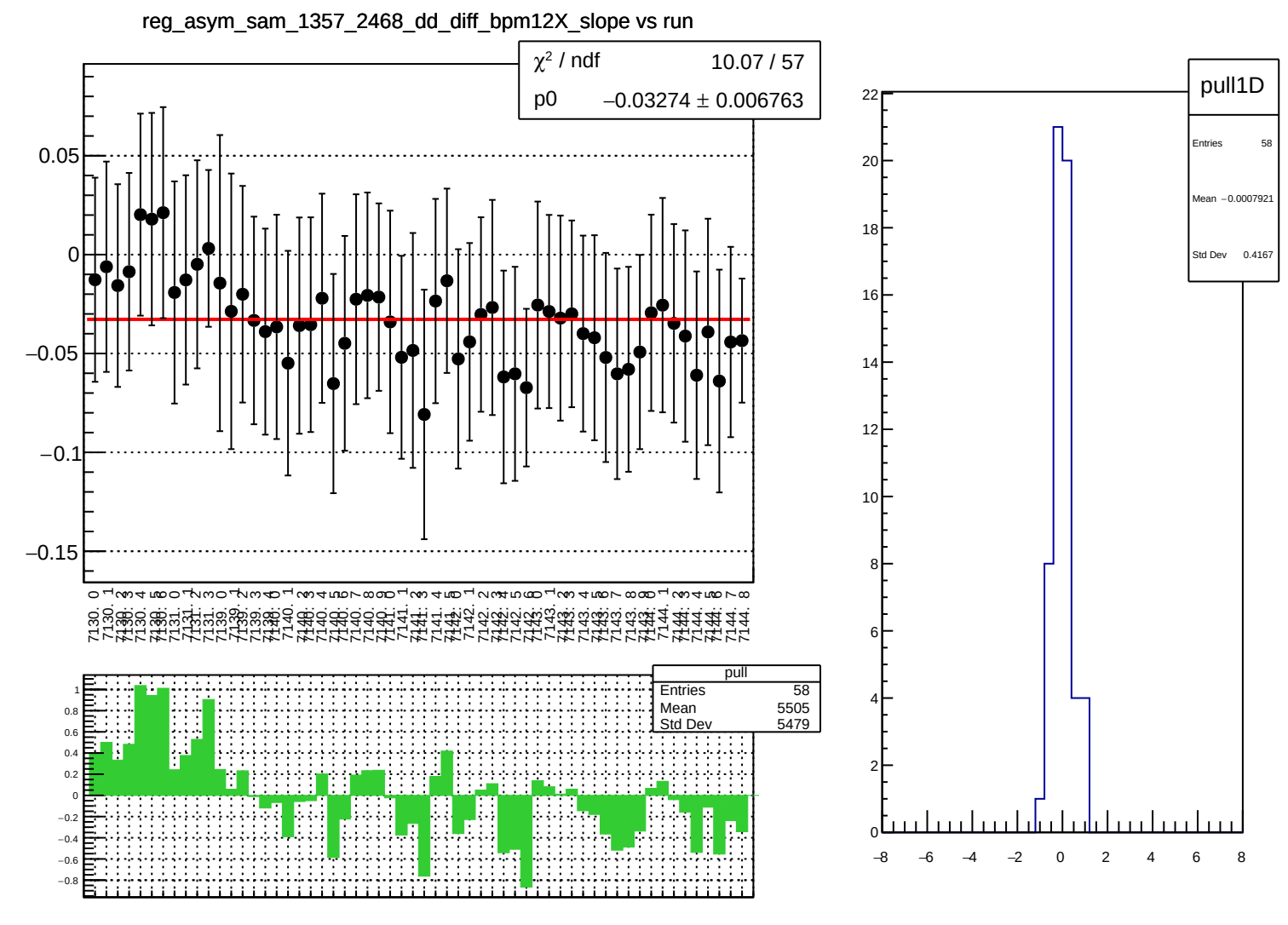

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 212.3 / 57
p0 −0.8223 ± 0.1362
pull
Entries 58
Mean −224.6
Std Dev 249.1
pull1D
Entries 58
Mean 0.02463
Std Dev 1.913

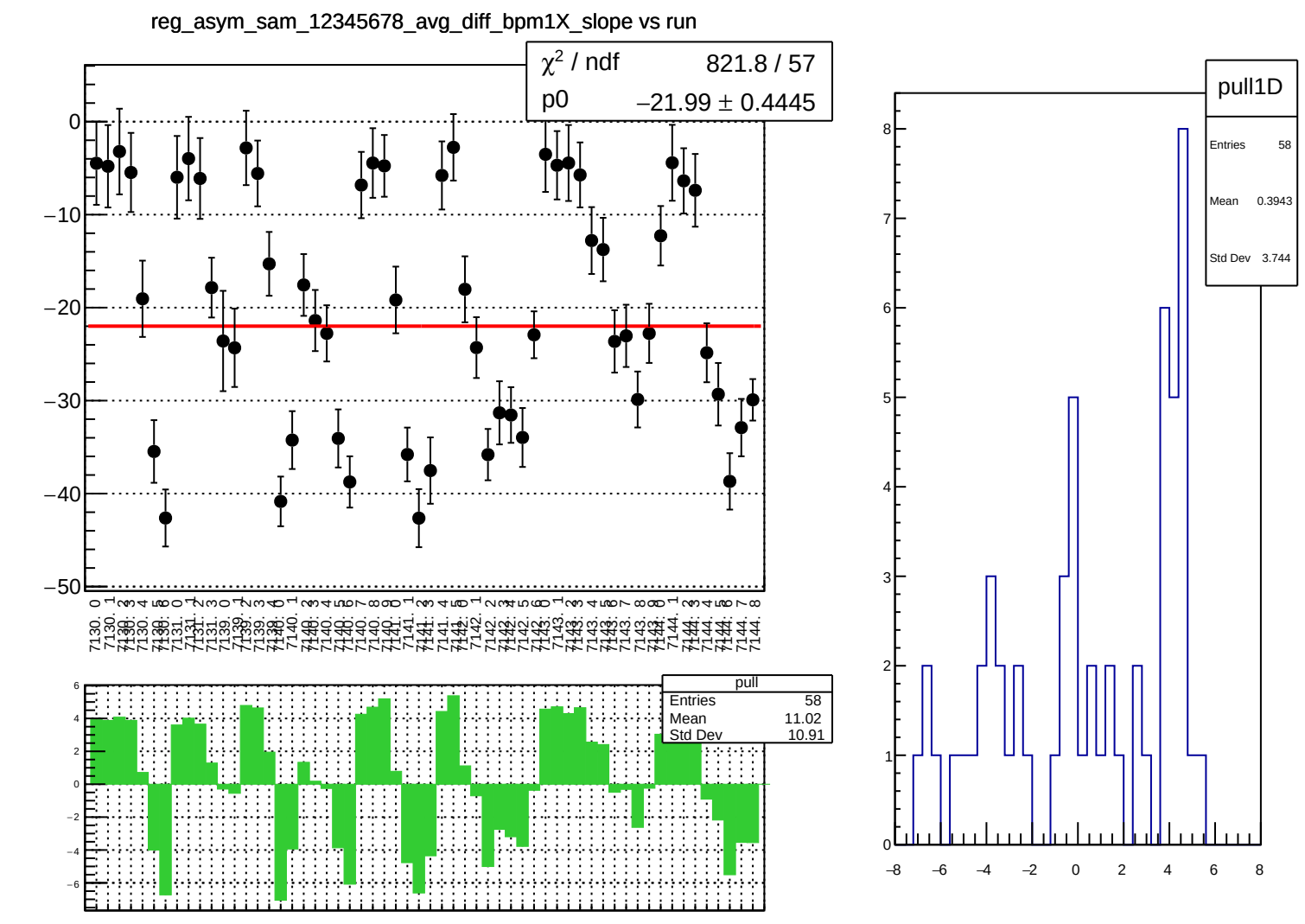

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 507.4 / 57
p0 9.727 ± 0.1537
pull
Entries 58
Mean 5.545
Std Dev 10.37

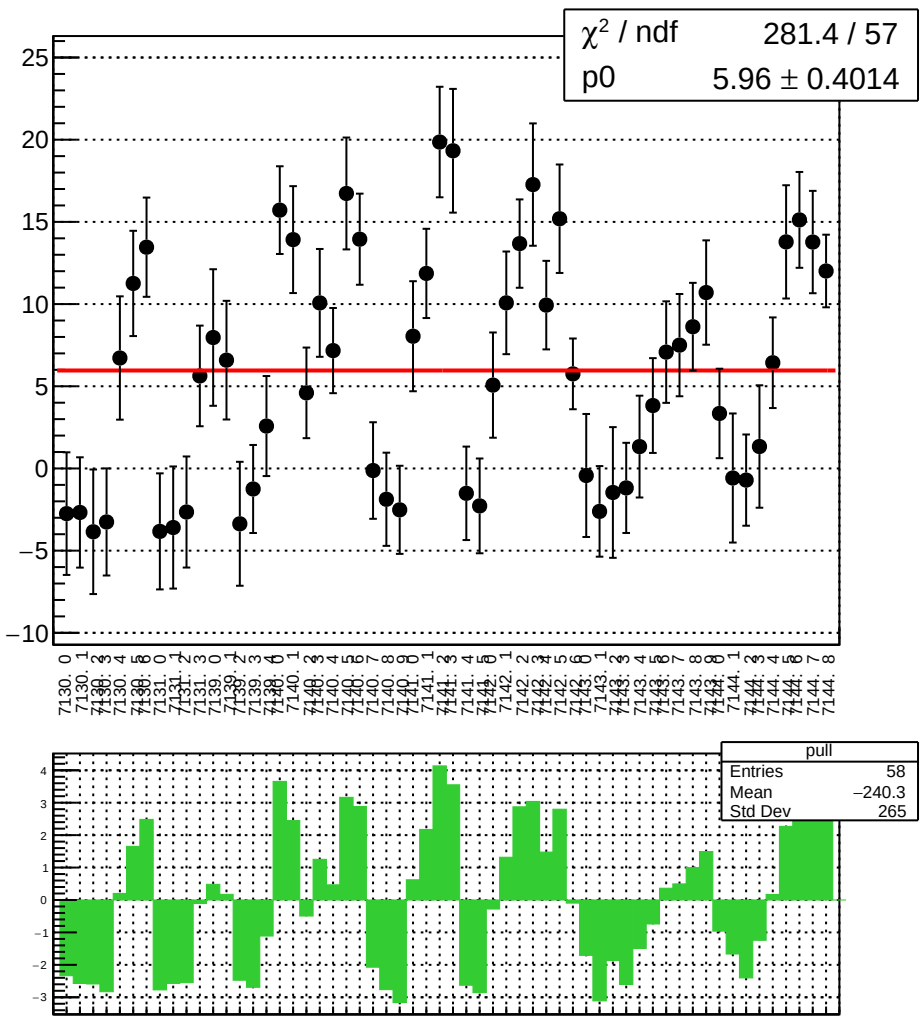

pull1D
Entries 58
Mean 0.3533
Std Dev 2.937

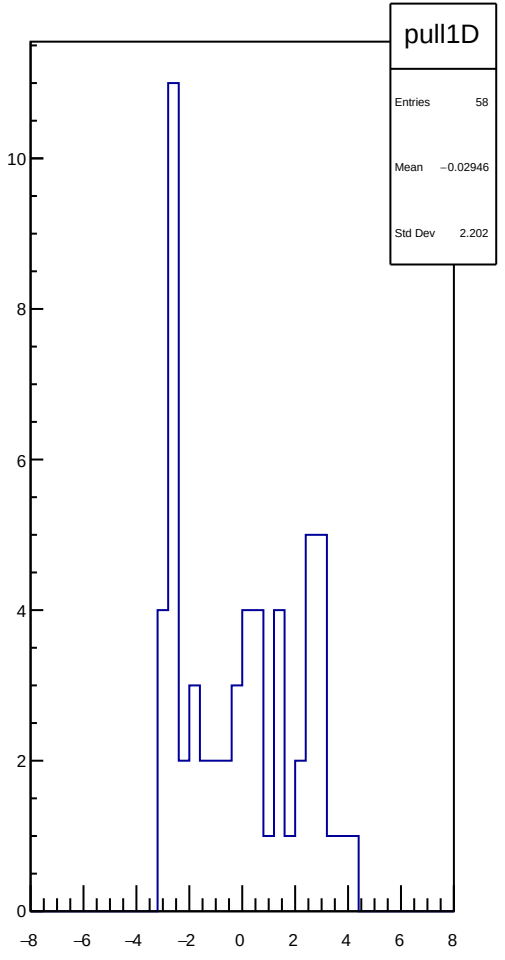

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 164.9 / 57
p0 −5.803 ± 0.1459
pull
Entries 58
Mean −107.5
Std Dev 131.5

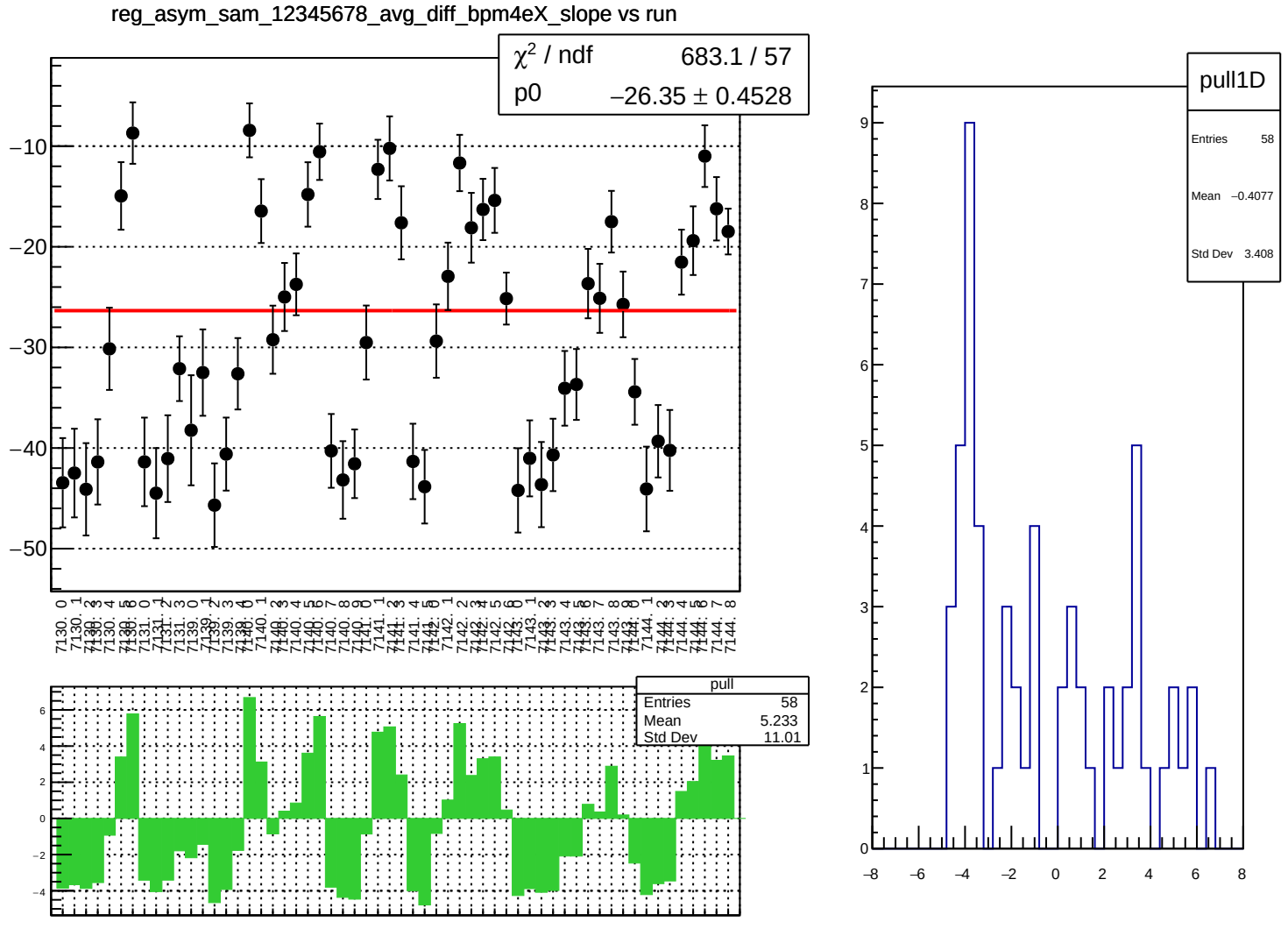

pull1D
Entries 58
Mean −0.04562
Std Dev 1.686

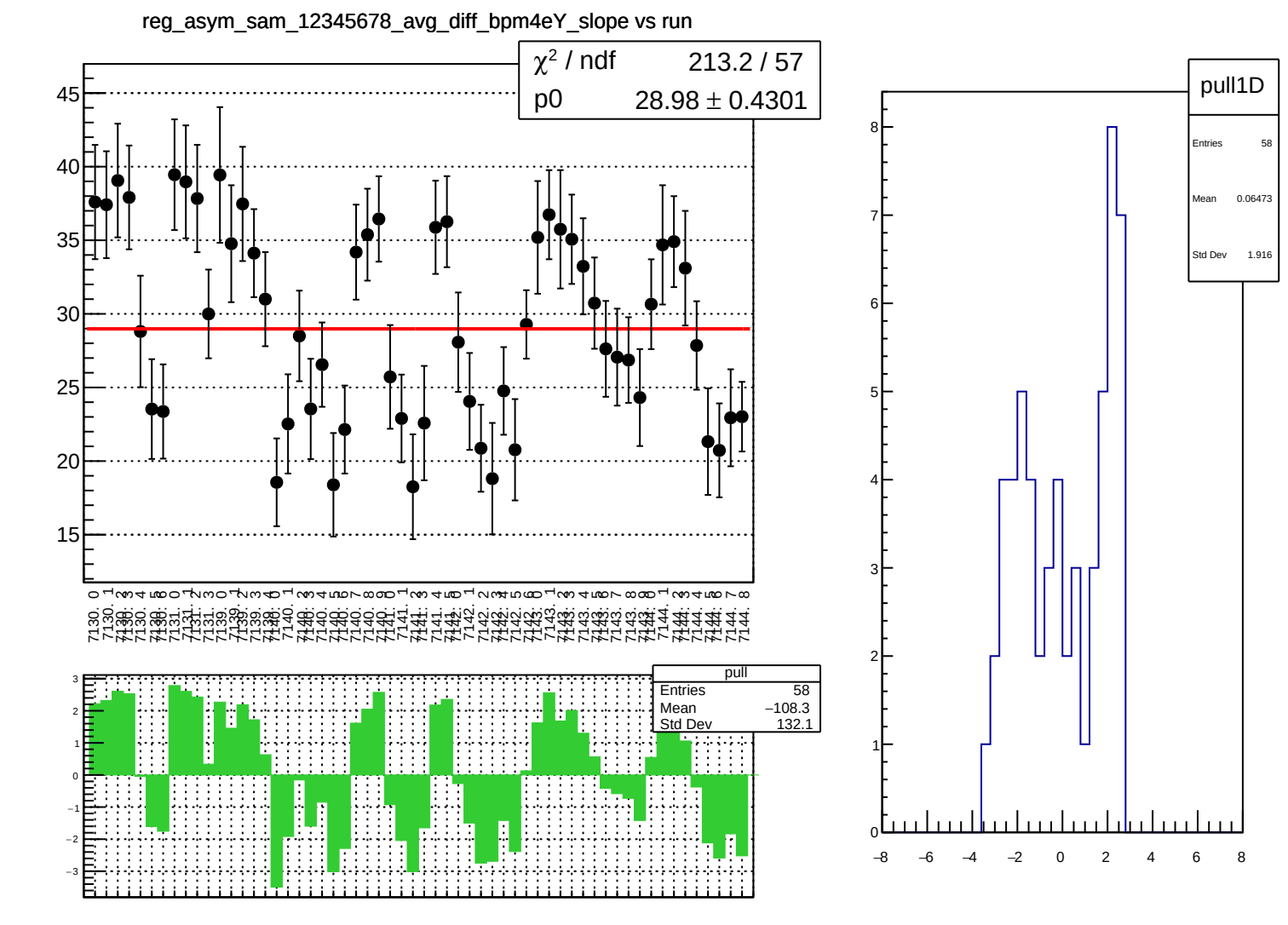

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 10.07 / 57
p0 −0.03274 ± 0.006763
0.05
0
−0.05
−0.1
−0.15
pull
Entries 58
Mean 5505
Std Dev 5479
pull1D
Entries 58
Mean −0.0007921
Std Dev 0.4167

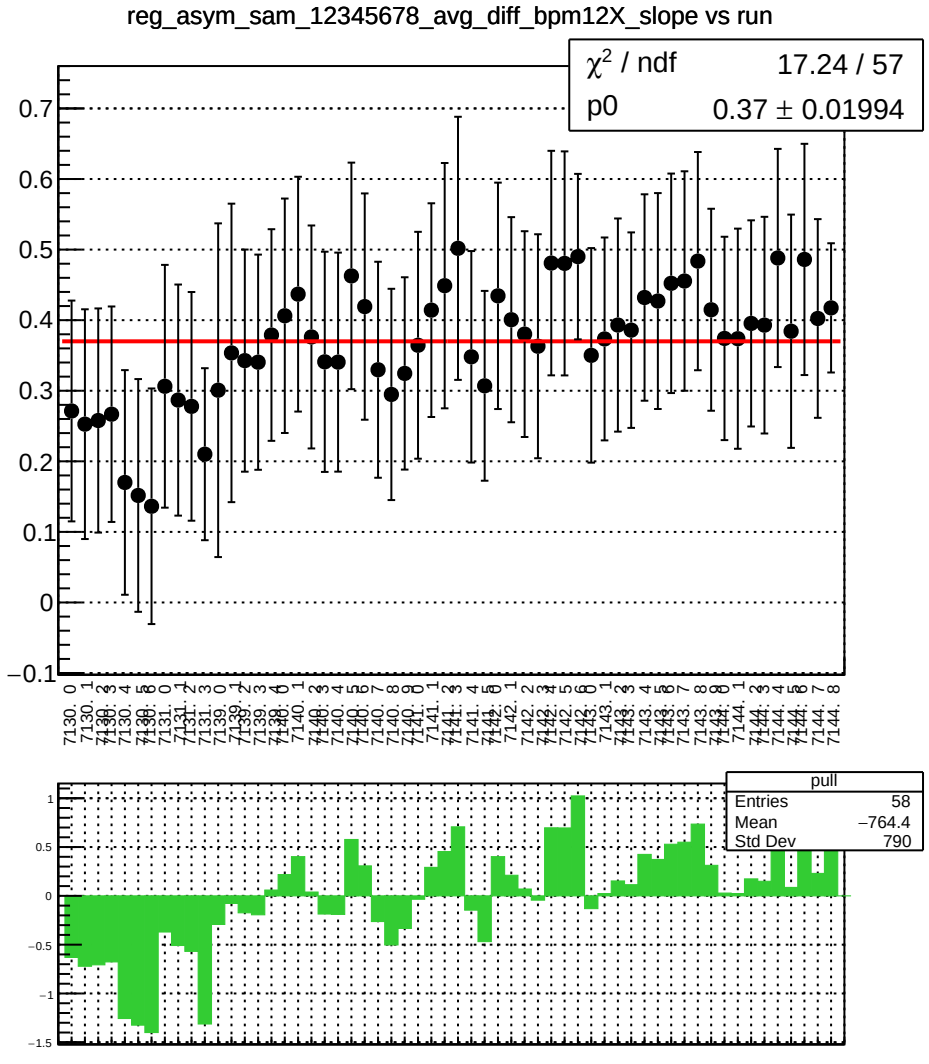

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 821.8 / 57
p0 −21.99 ± 0.4445
pull
Entries 58
Mean 11.02
Std Dev 10.91
pull1D
Entries 58
Mean 0.3943
Std Dev 3.744

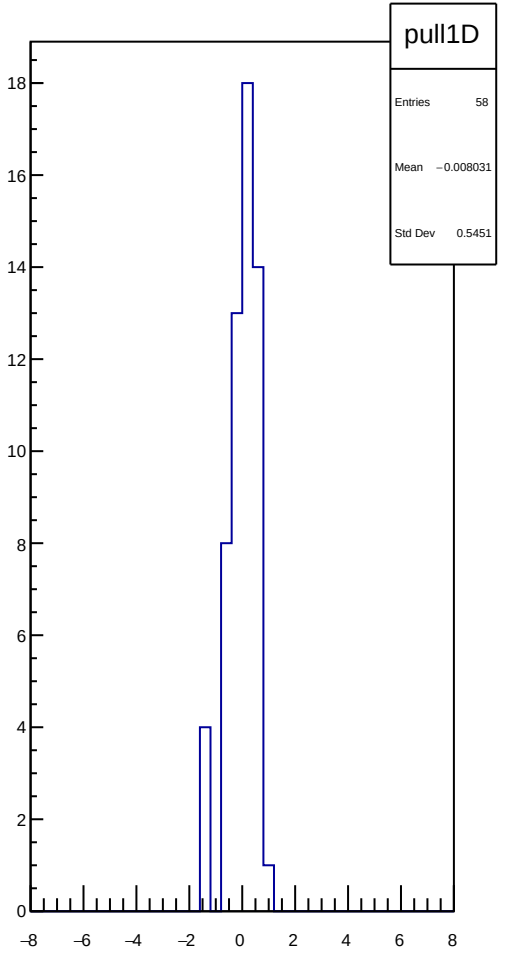

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 281.4 / 57
p0 5.96 ± 0.4014
pull
Entries 58
Mean −240.3
Std Dev 265

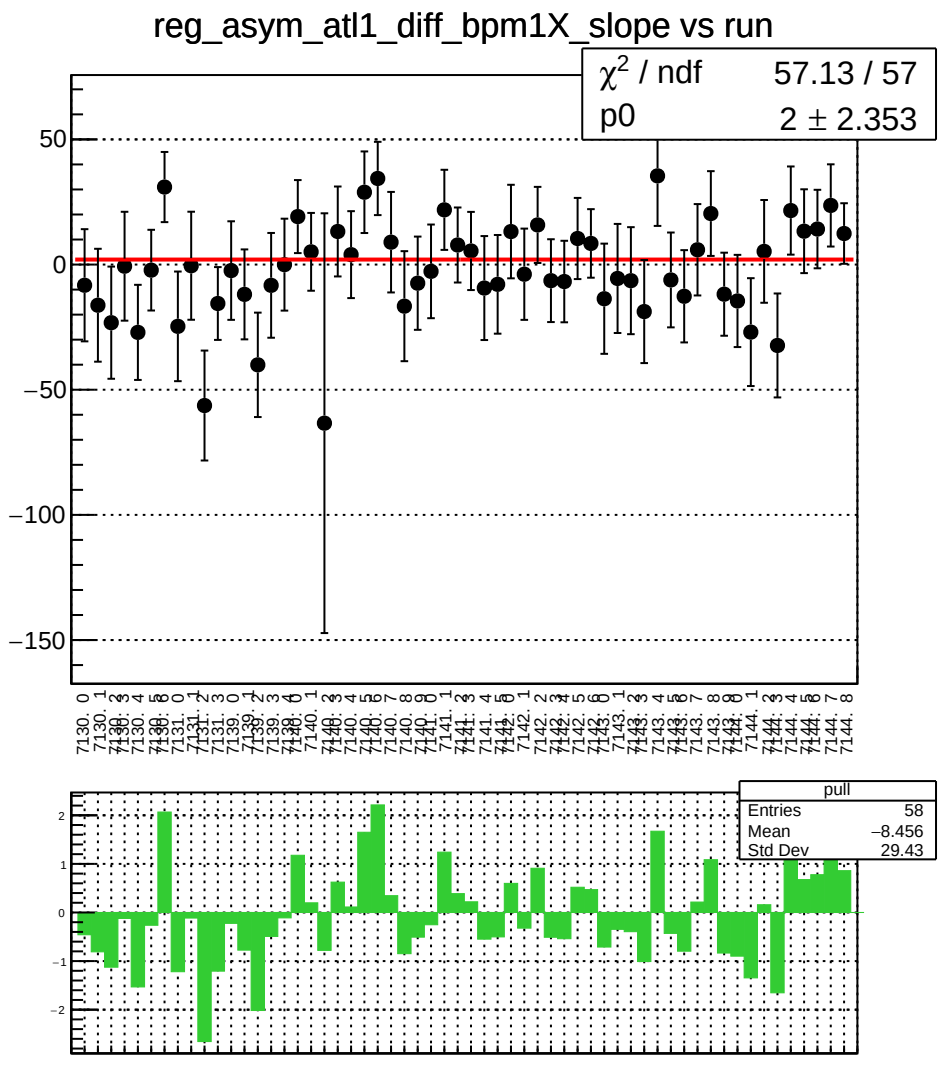

pull1D
Entries 58
Mean −0.02946
Std Dev 2.202

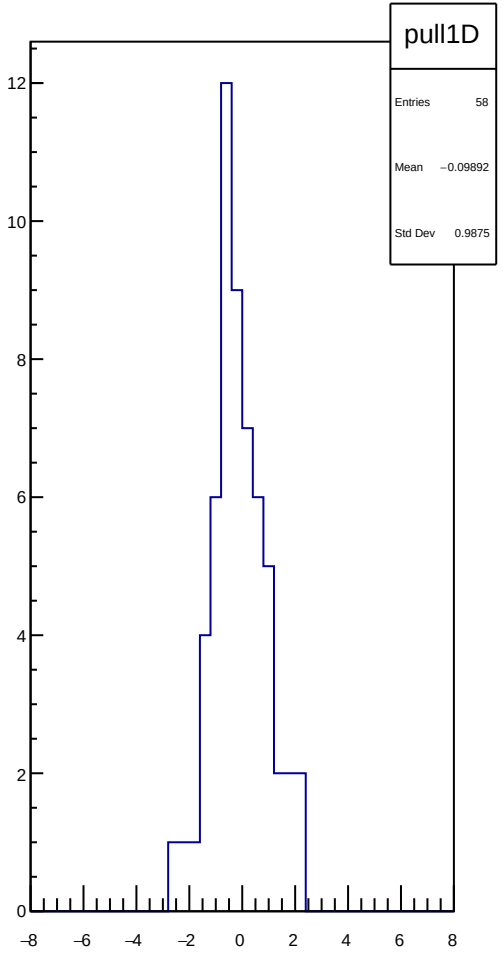

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 683.1 / 57
p0 −26.35 ± 0.4528
pull
Entries 58
Mean 5.233
Std Dev 11.01
pull1D
Entries 58
Mean −0.4077
Std Dev 3.408

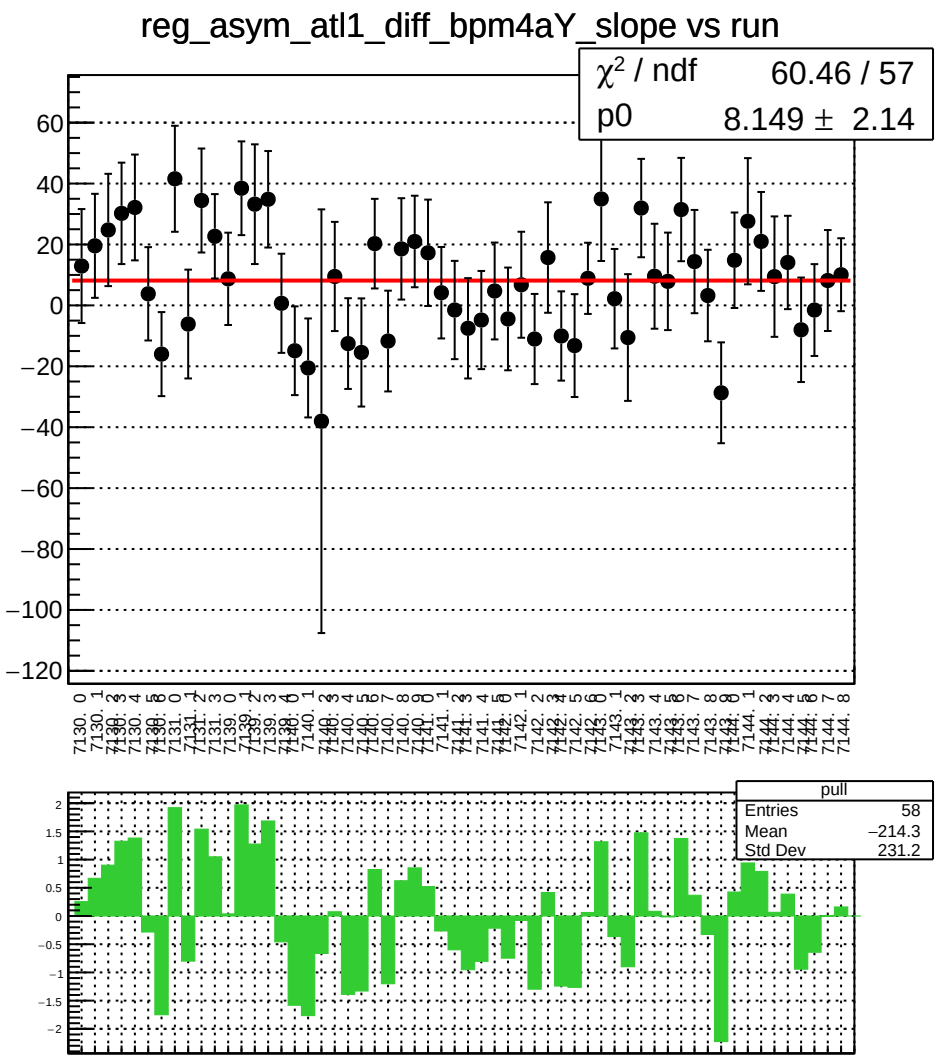

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 213.2 / 57
p0 28.98 ± 0.4301
pull
Entries 58
Mean −108.3
Std Dev 132.1
pull1D
Entries 58
Mean 0.06473
Std Dev 1.916

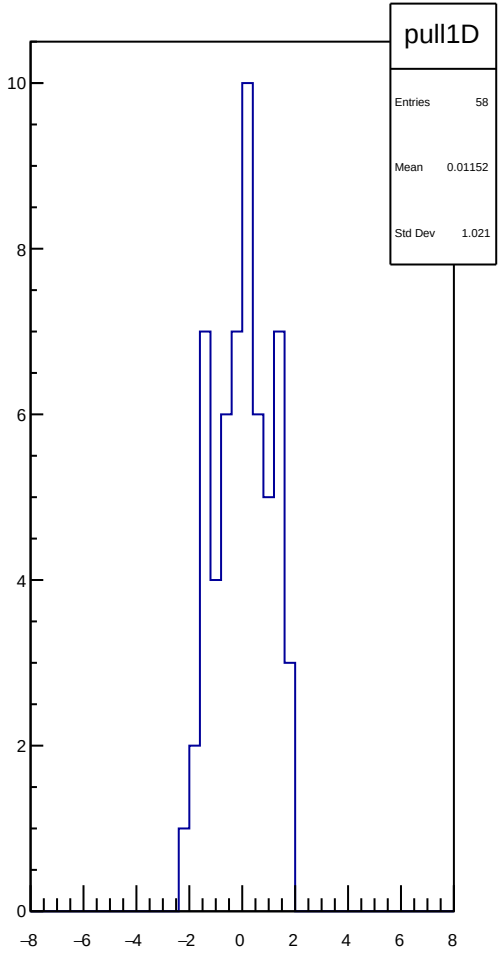

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 17.24 / 57
p0 0.37 ± 0.01994
pull
Entries 58
Mean −764.4
Std Dev 790

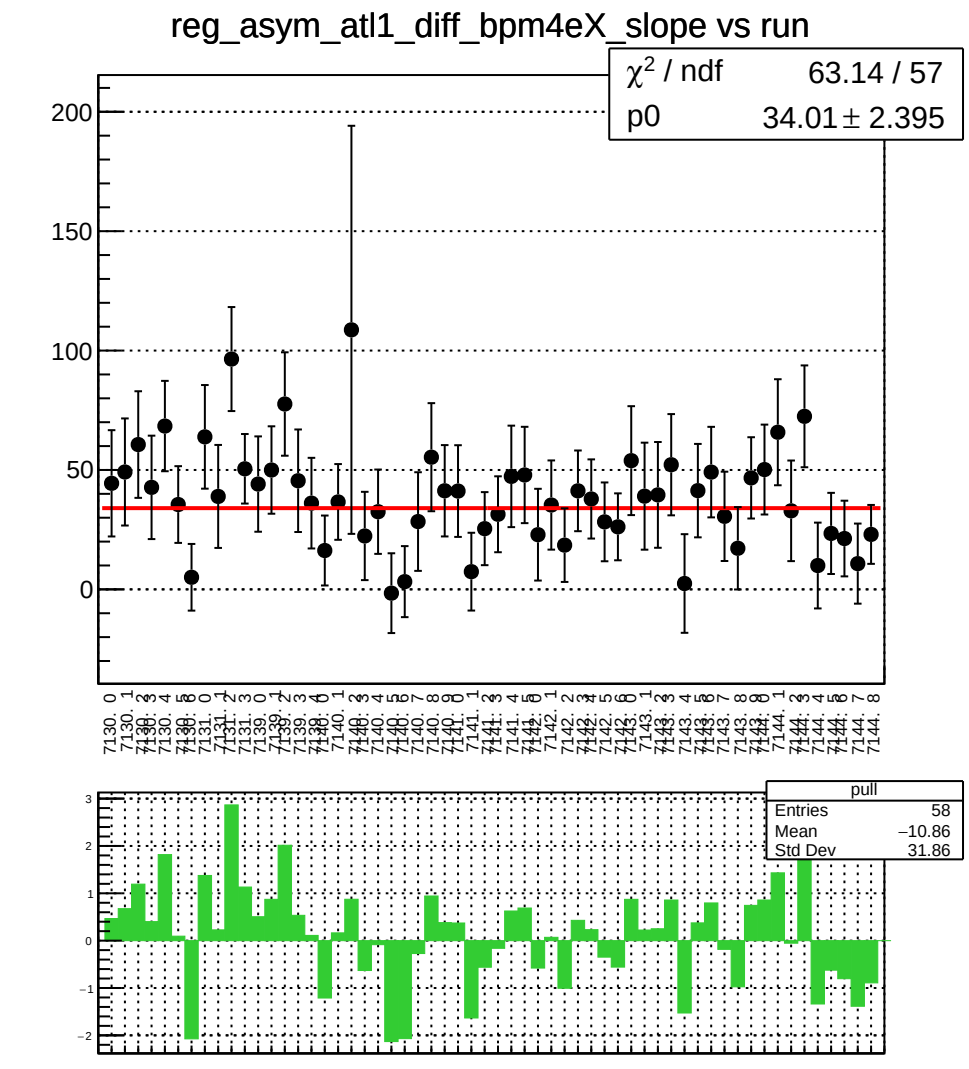

pull1D
Entries 58
Mean −0.008031
Std Dev 0.5451

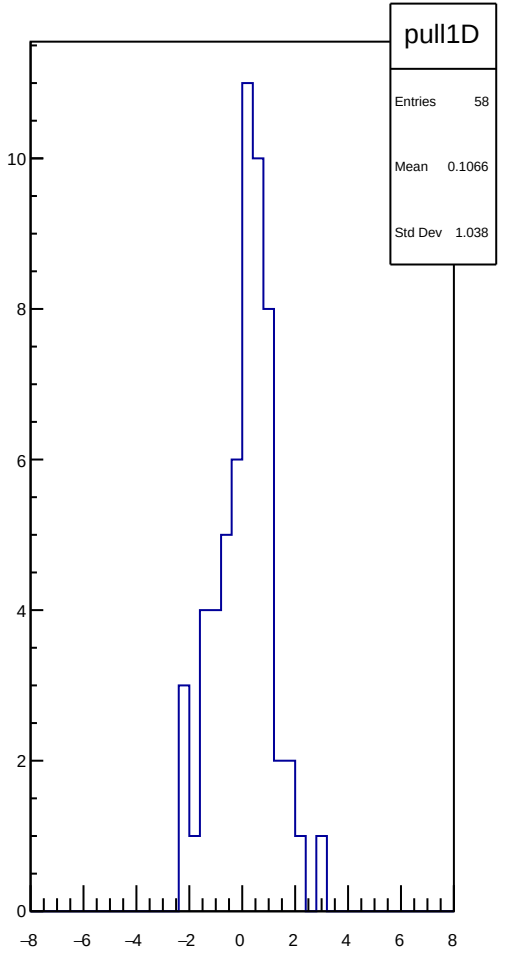

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 57.13 / 57
p0 2 ± 2.353
pull
Entries 58
Mean −8.456
Std Dev 29.43

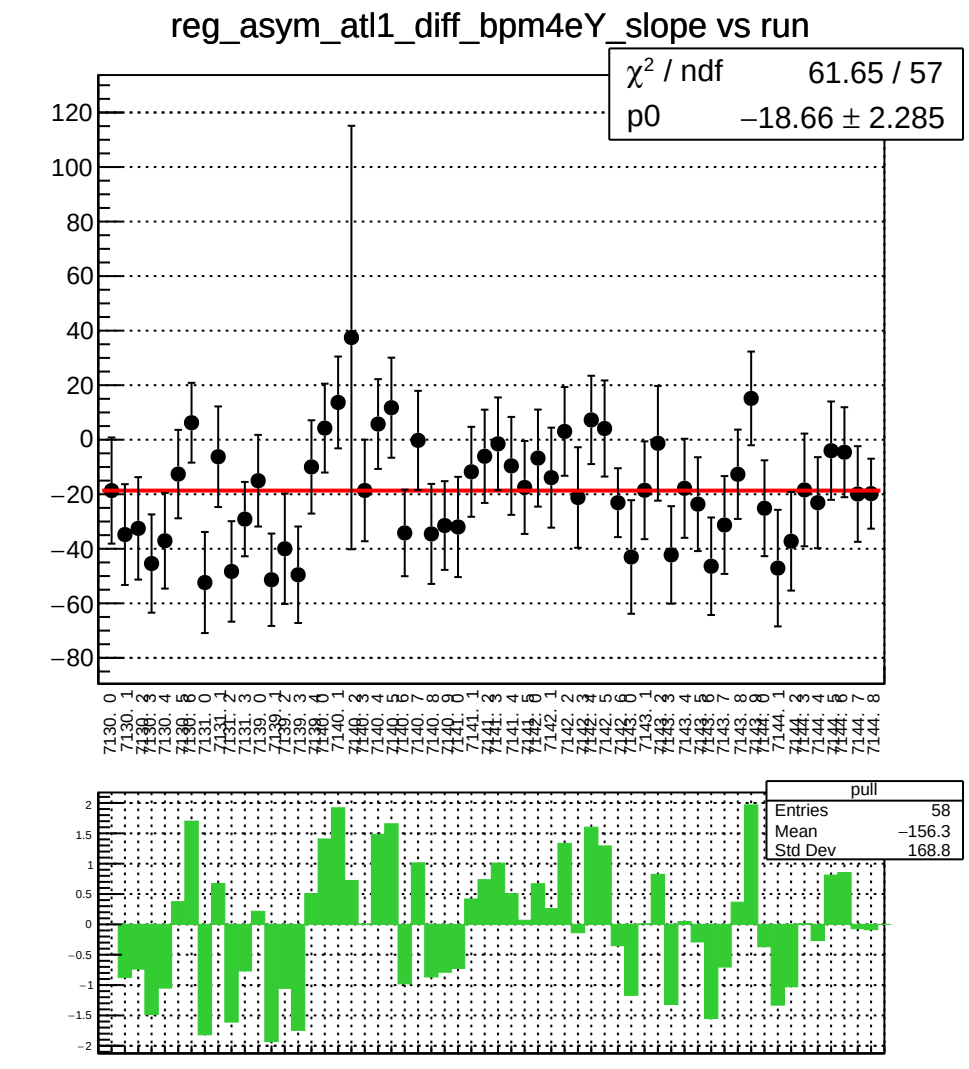

pull1D
Entries 58
Mean −0.09892
Std Dev 0.9875

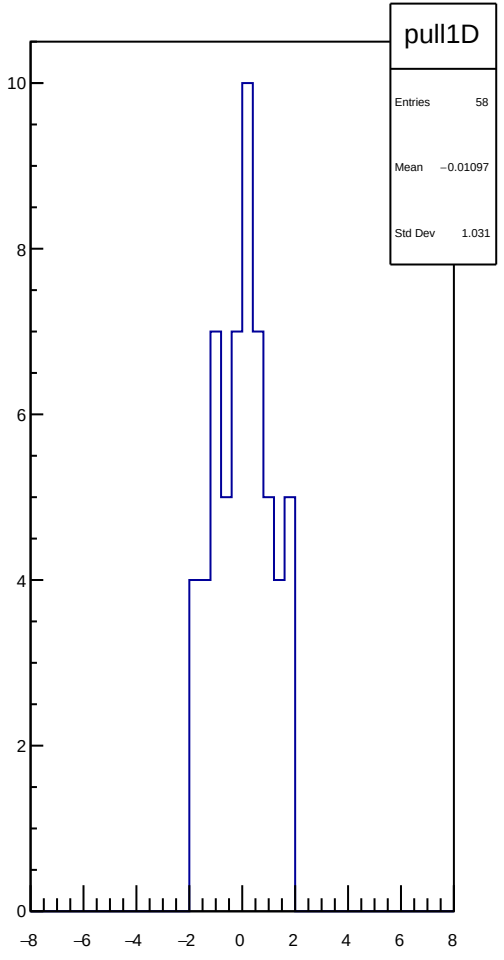

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 60.46 / 57
p0 8.149 ± 2.14
pull
Entries 58
Mean −214.3
Std Dev 231.2

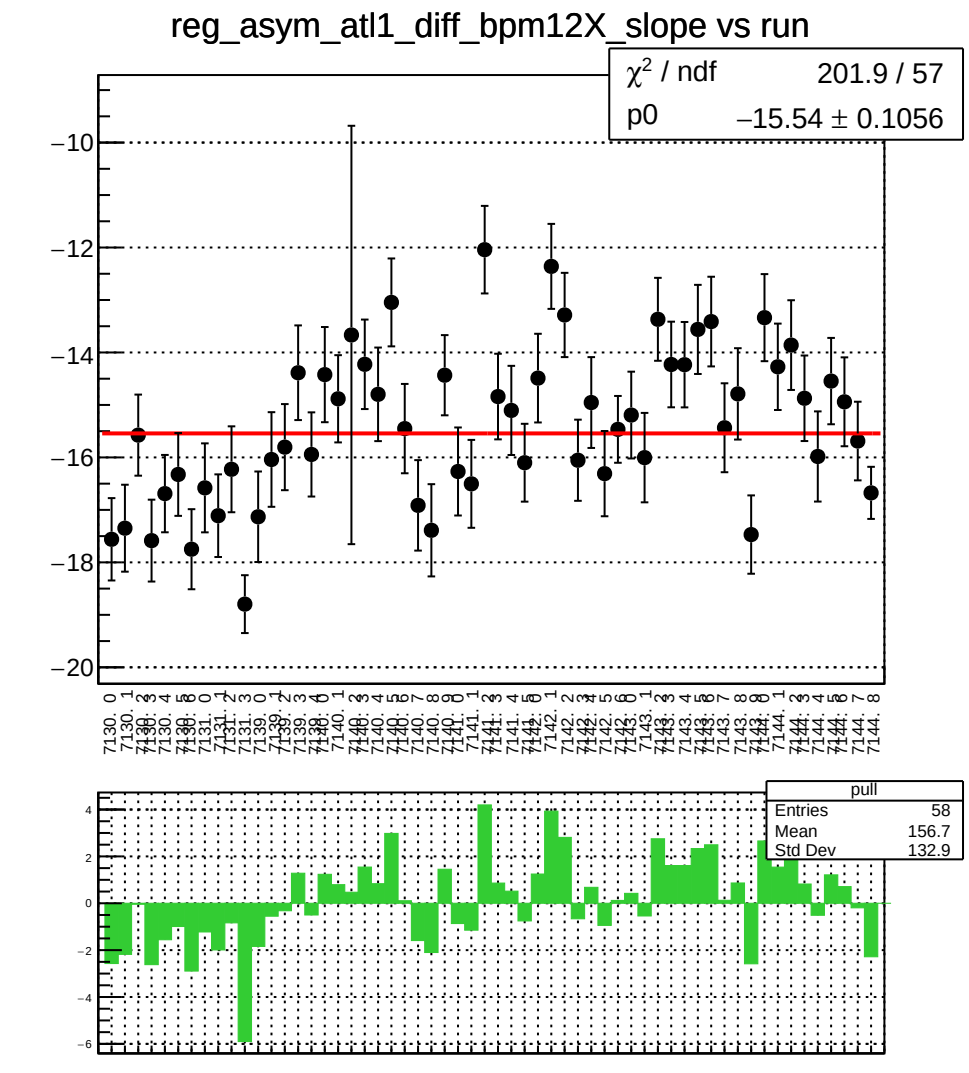

pull1D
Entries 58
Mean 0.01152
Std Dev 1.021

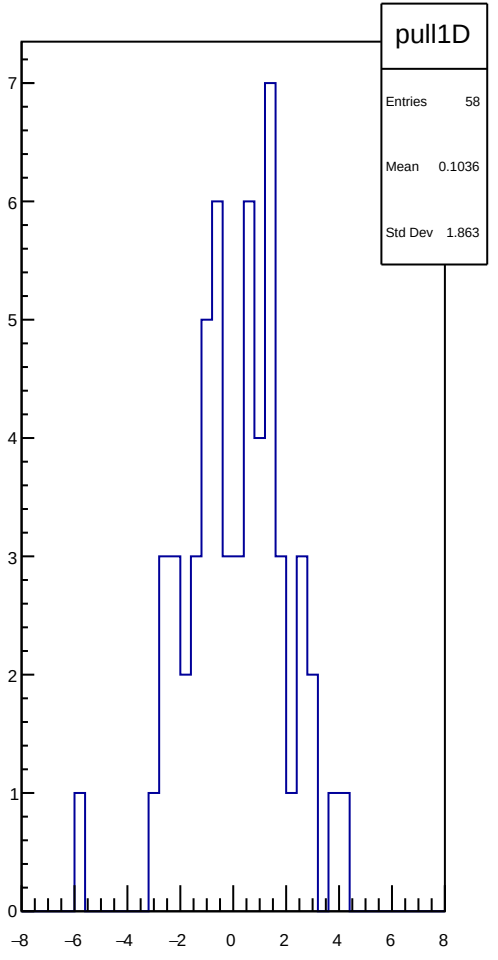

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 63.14 / 57
p0 34.01 ± 2.395
200
150
100
50
0
pull
Entries 58
Mean −10.86
Std Dev 31.86
3
2
1
0
−1
−2

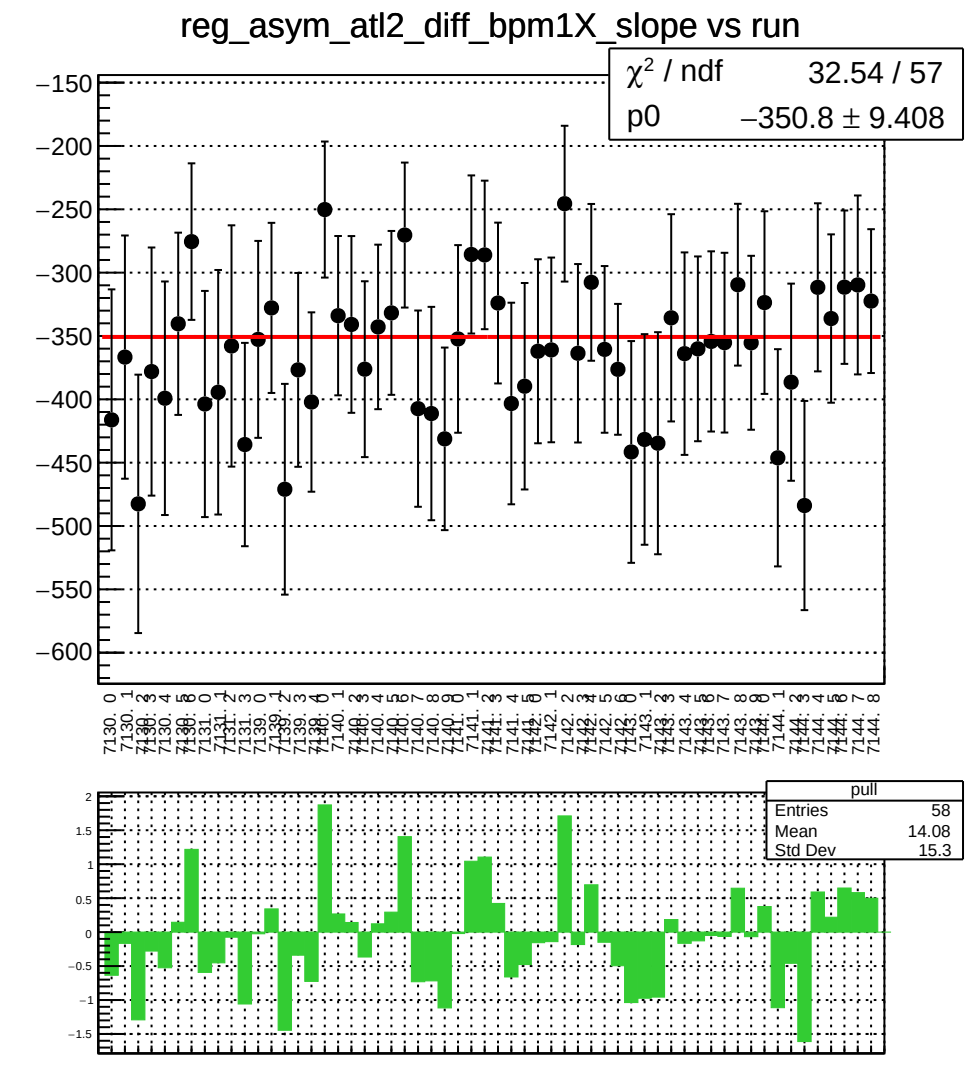

pull1D
Entries 58
Mean 0.1066
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

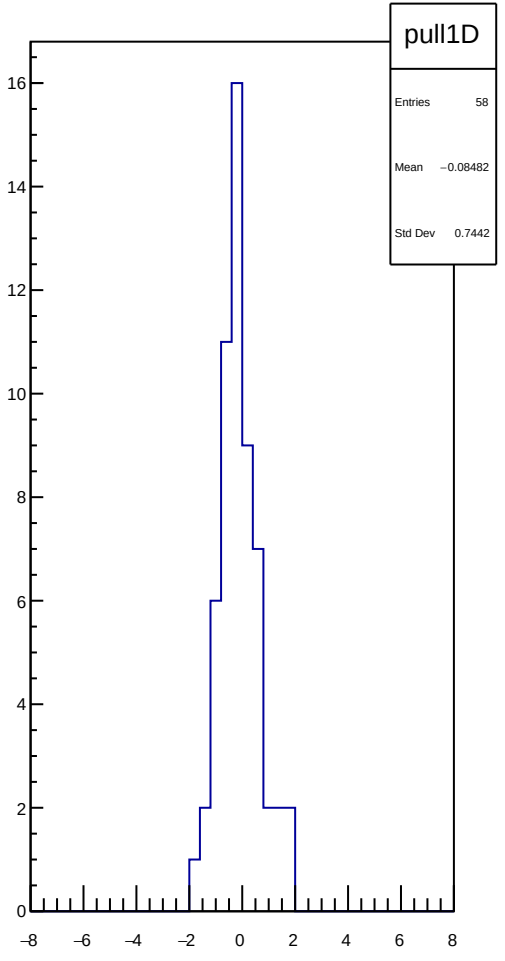

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 61.65 / 57
p0 −18.66 ± 2.285
pull
Entries 58
Mean −156.3
Std Dev 168.8

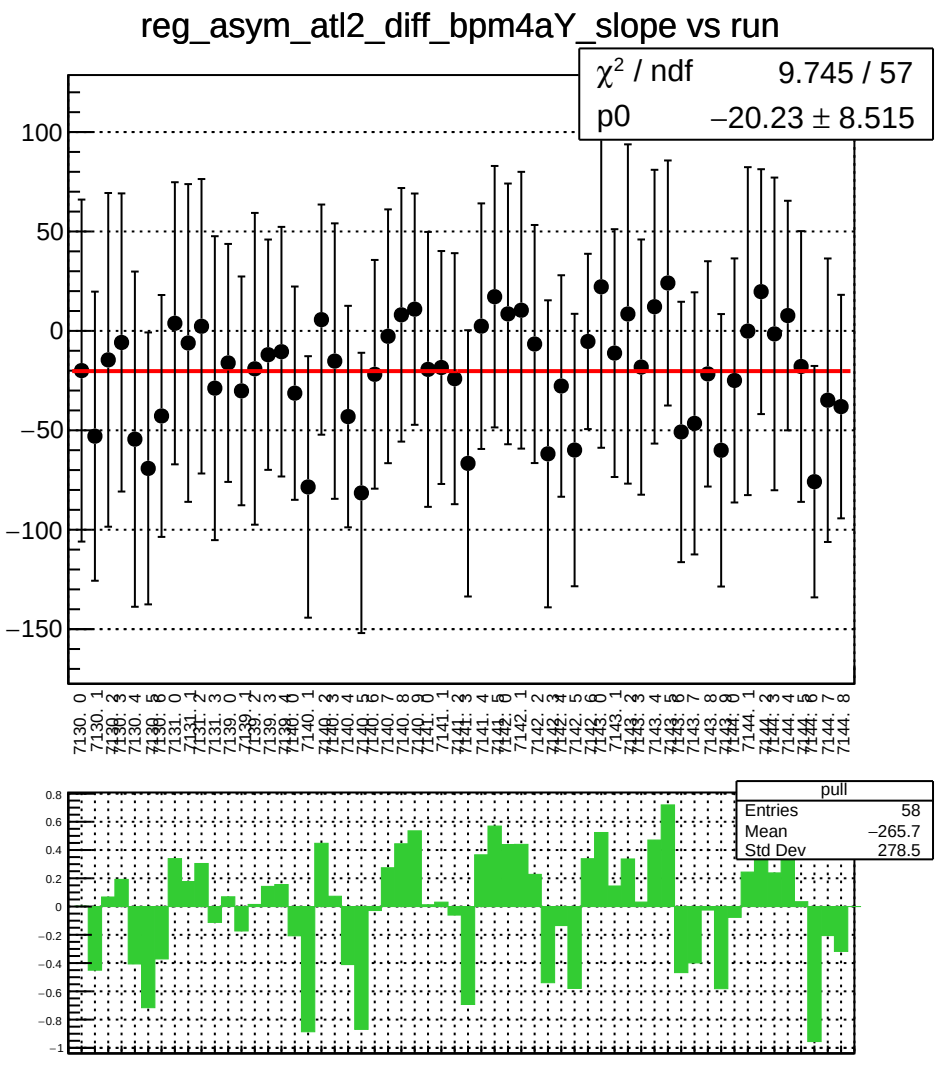

pull1D
Entries 58
Mean −0.01097
Std Dev 1.031

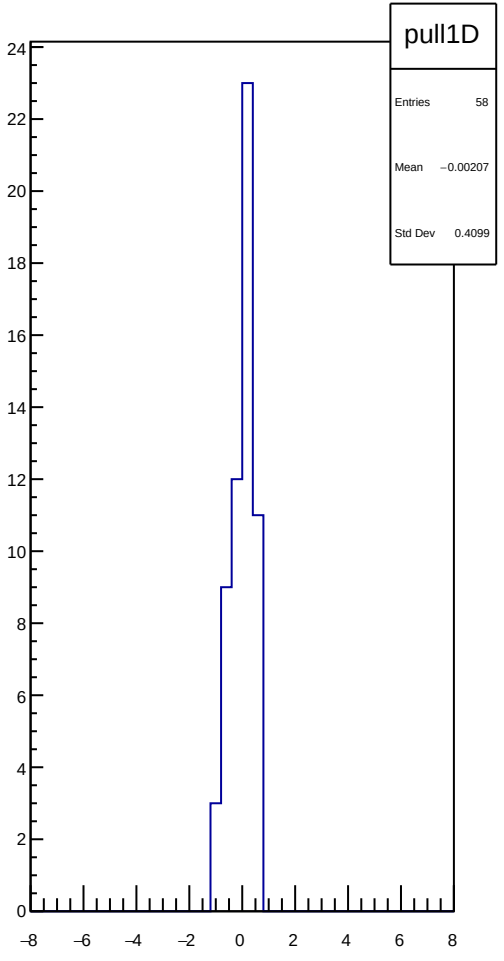

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 201.9 / 57
p0 −15.54 ± 0.1056
pull
Entries 58
Mean 156.7
Std Dev 132.9

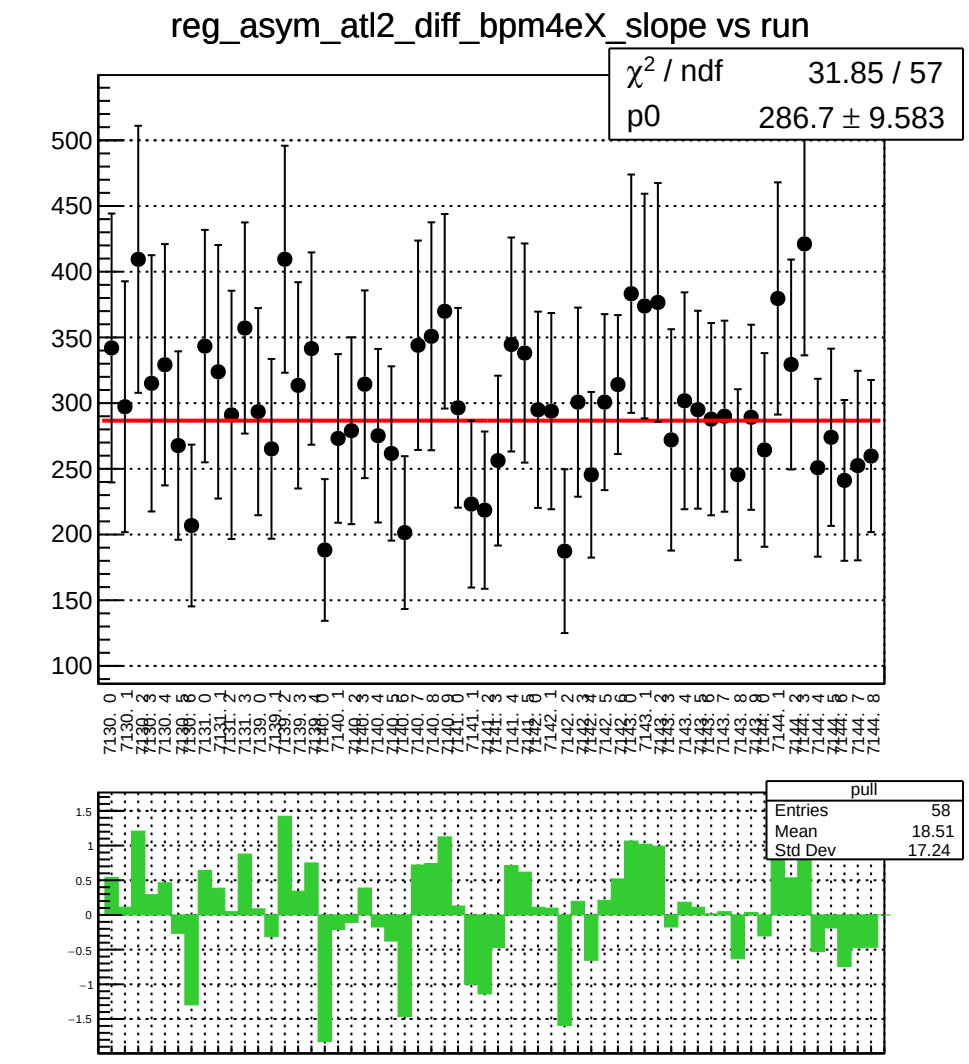

pull1D
Entries 58
Mean 0.1036
Std Dev 1.863

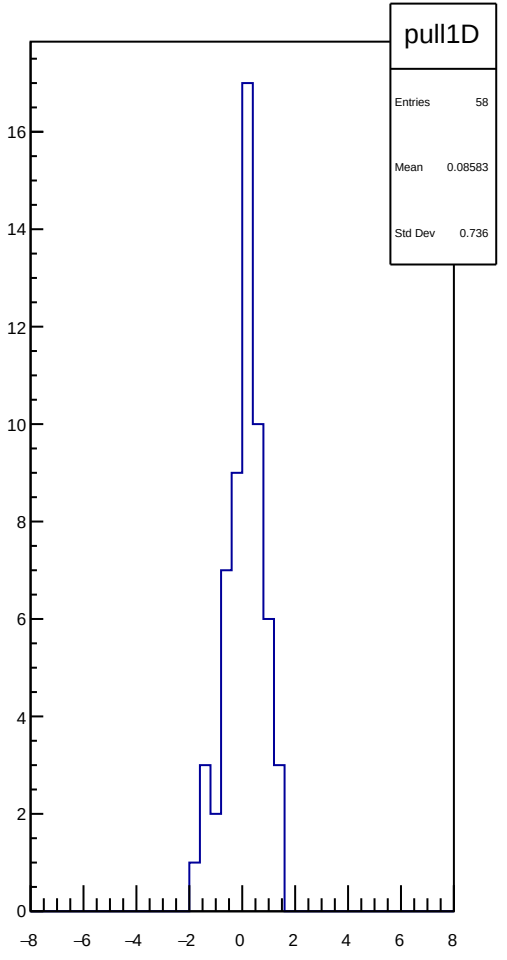

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 32.54 / 57
p0 −350.8 ± 9.408
pull
Entries 58
Mean 14.08
Std Dev 15.3

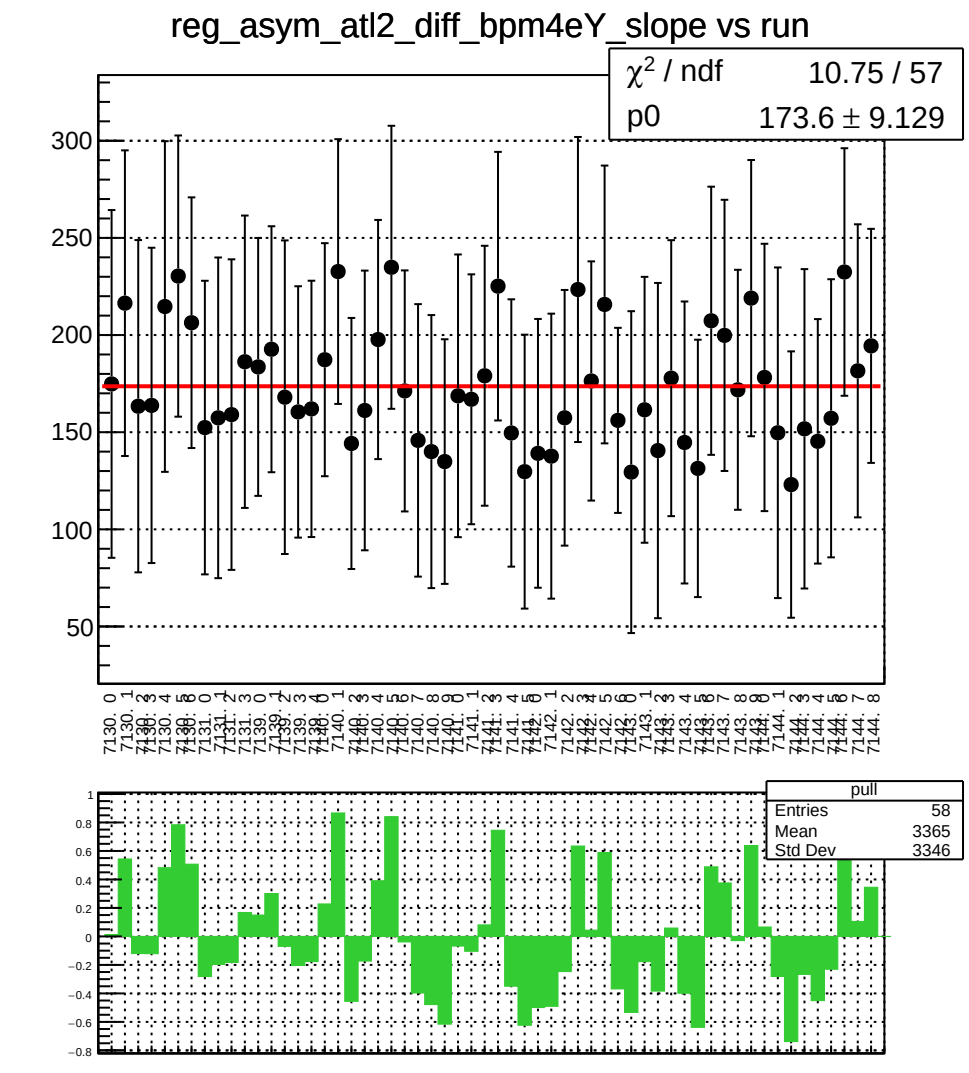

pull1D
Entries 58
Mean −0.08482
Std Dev 0.7442

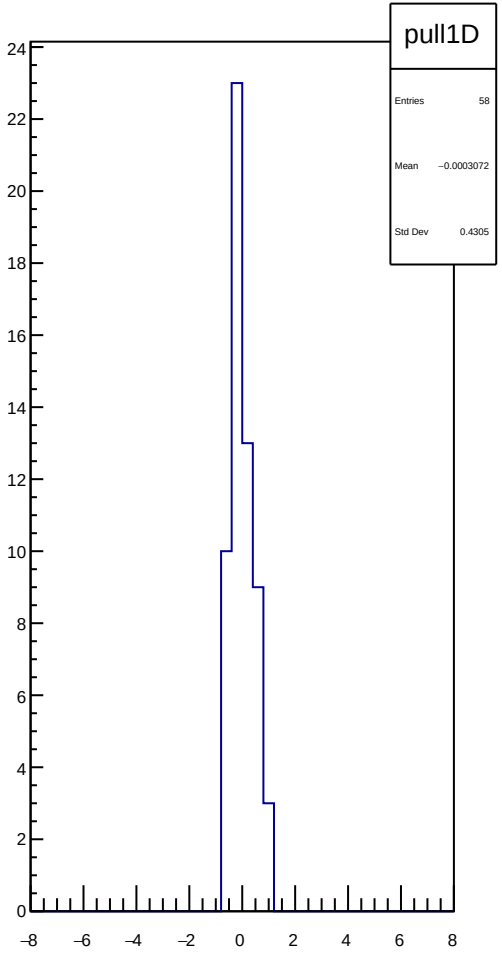

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.745 / 57
p0 −20.23 ± 8.515
pull
Entries 58
Mean −265.7
Std Dev 278.5

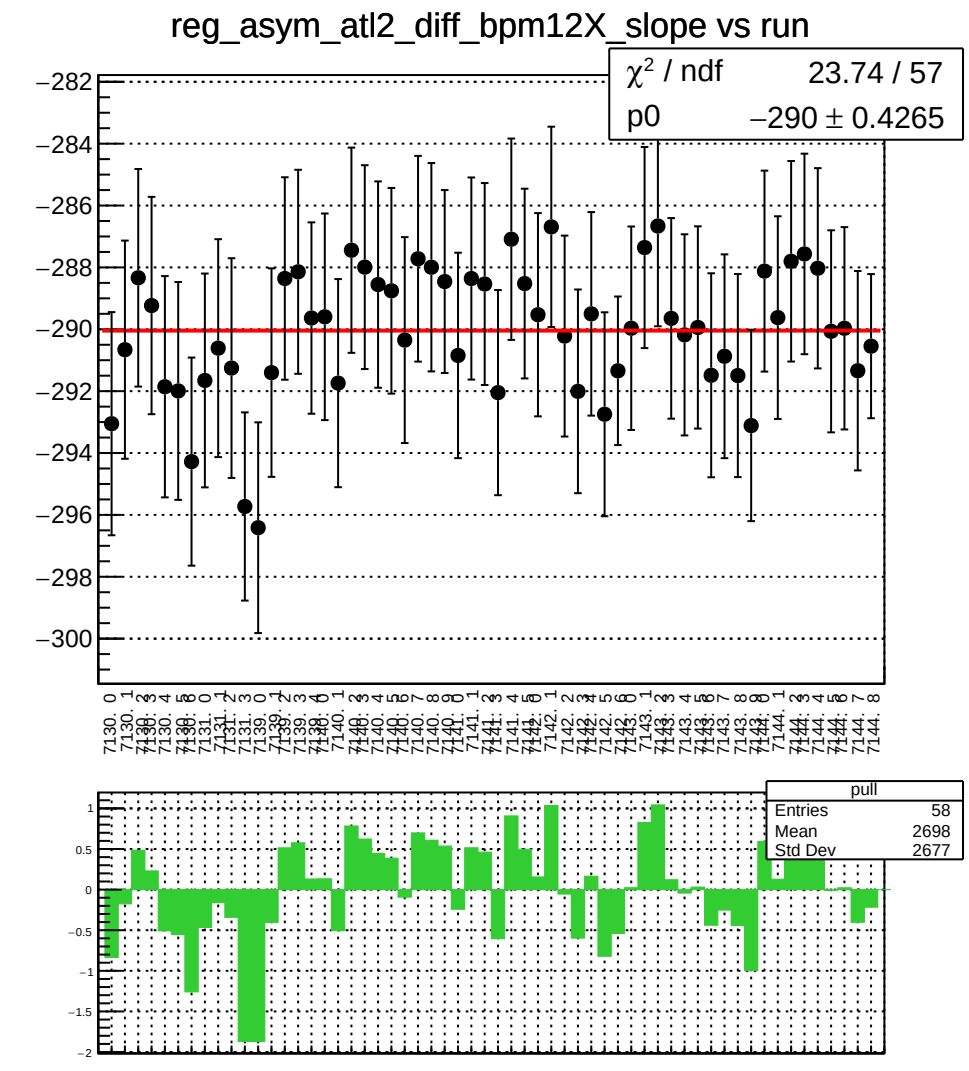

pull1D
Entries 58
Mean −0.00207
Std Dev 0.4099

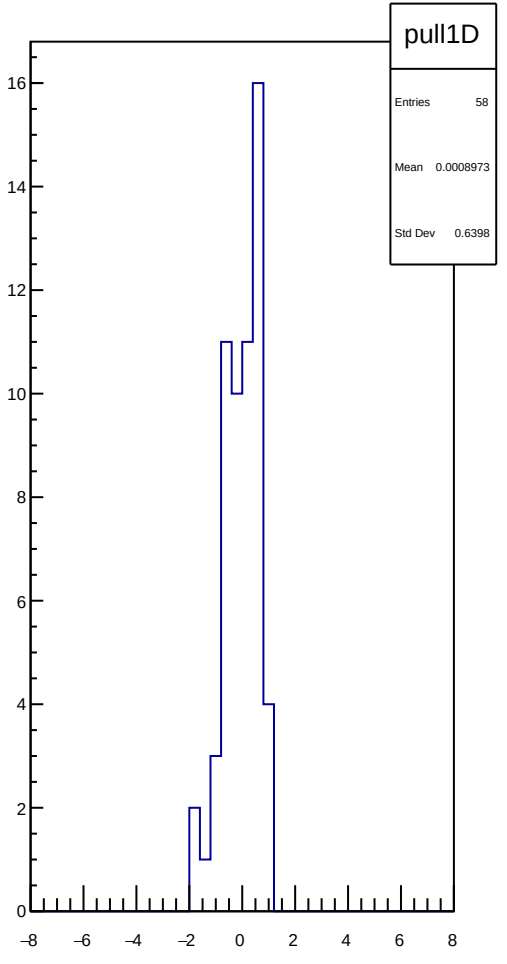

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 31.85 / 57
p0 286.7 ± 9.583
pull
Entries 58
Mean 18.51
Std Dev 17.24

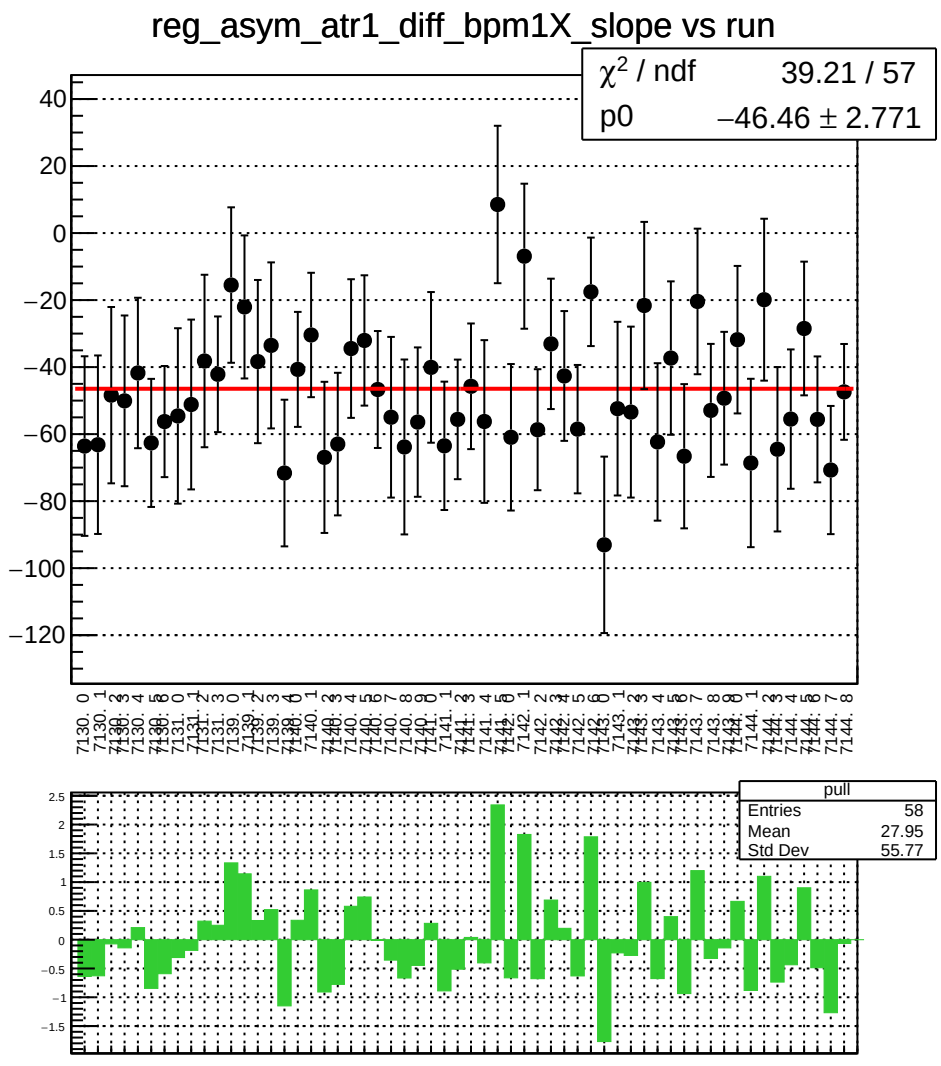

pull1D
Entries 58
Mean 0.08583
Std Dev 0.736

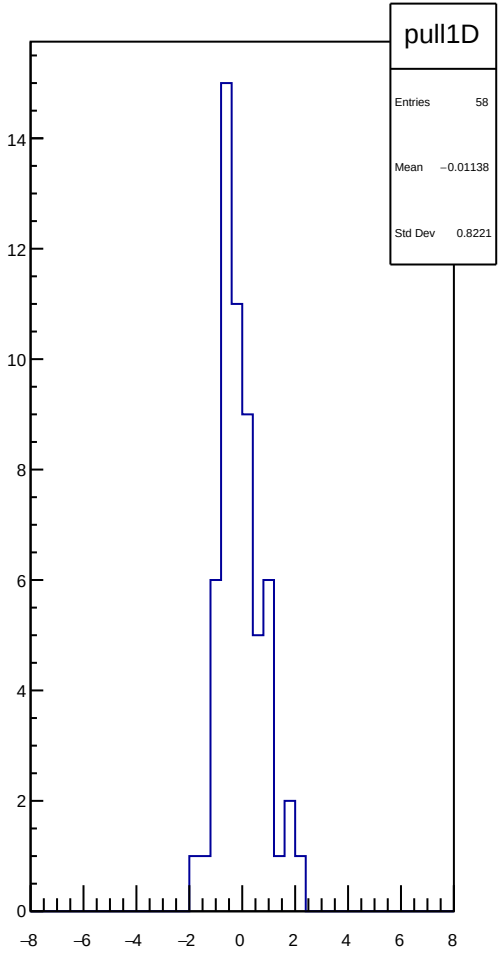

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 10.75 / 57
p0 173.6 ± 9.129
pull
Entries 58
Mean 3365
Std Dev 3346

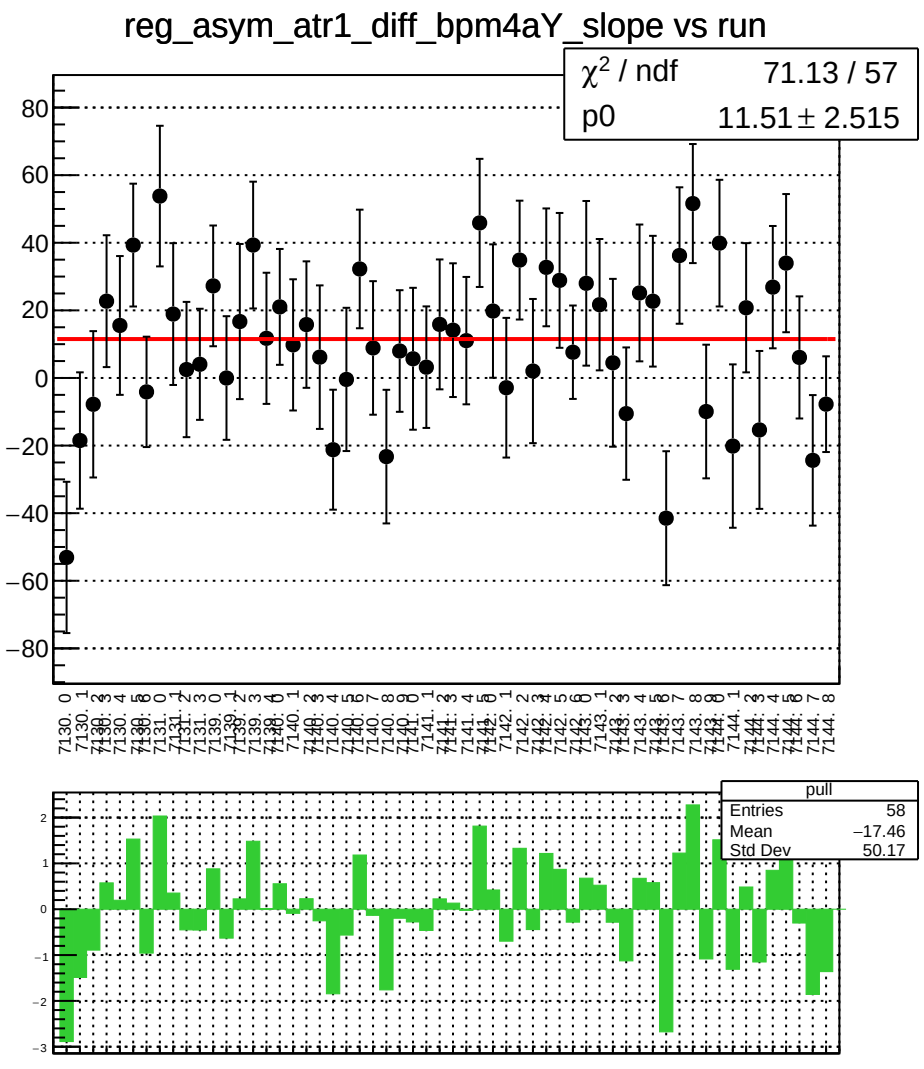

pull1D
Entries 58
Mean −0.0003072
Std Dev 0.4305

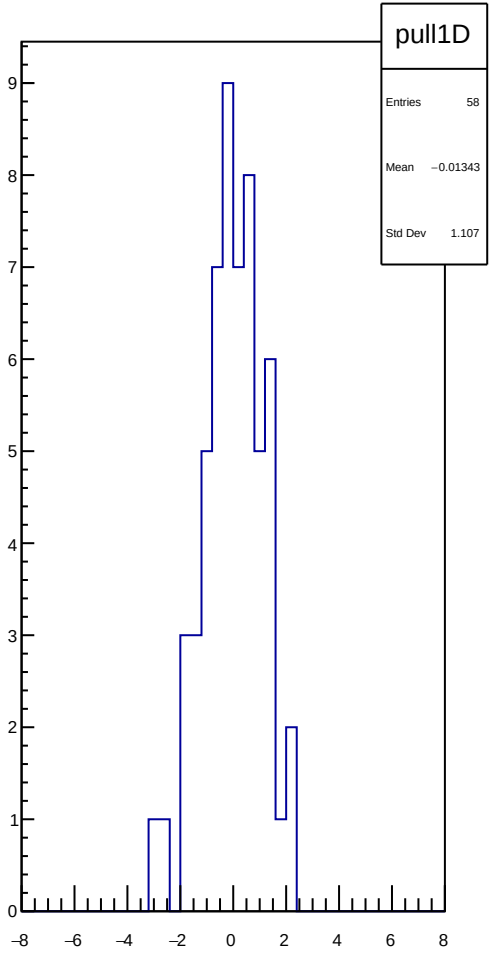

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 23.74 / 57
p0 −290 ± 0.4265
pull
Entries 58
Mean 2698
Std Dev 2677

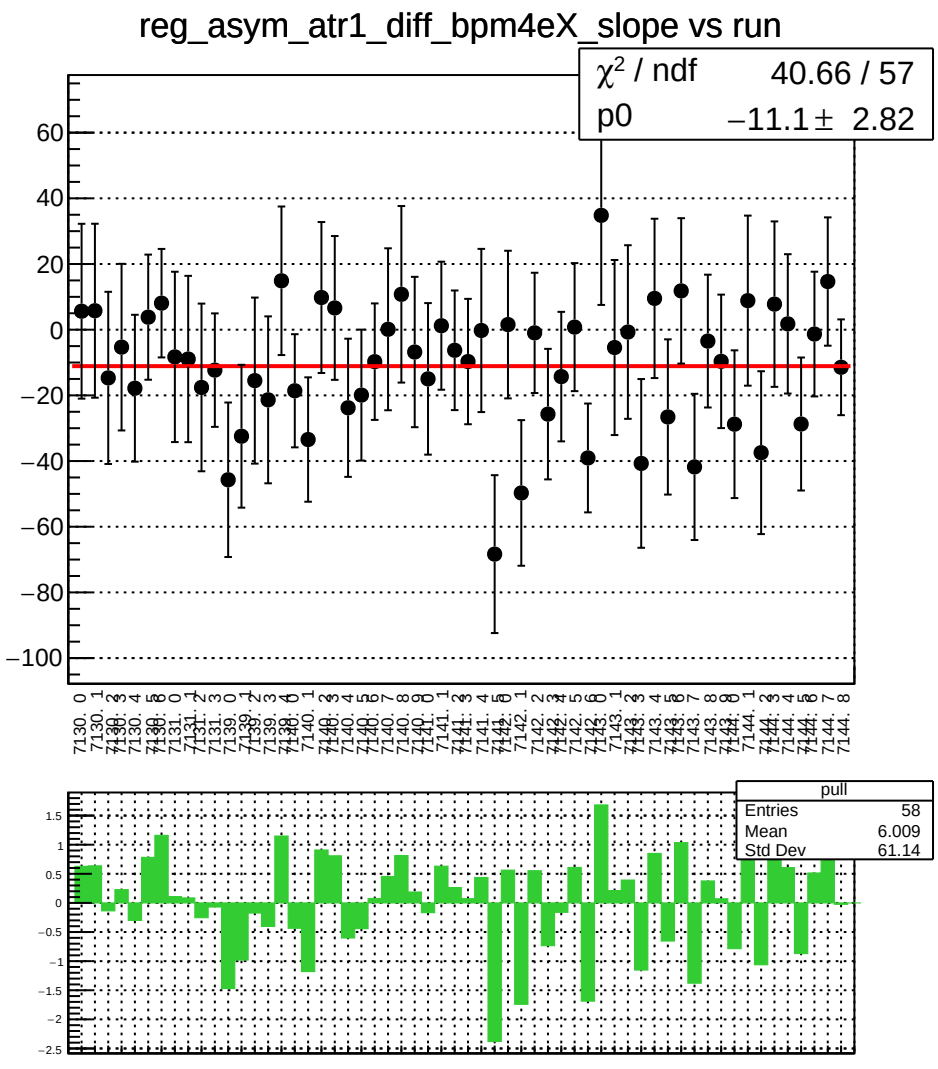

pull1D
Entries 58
Mean 0.0008973
Std Dev 0.6398

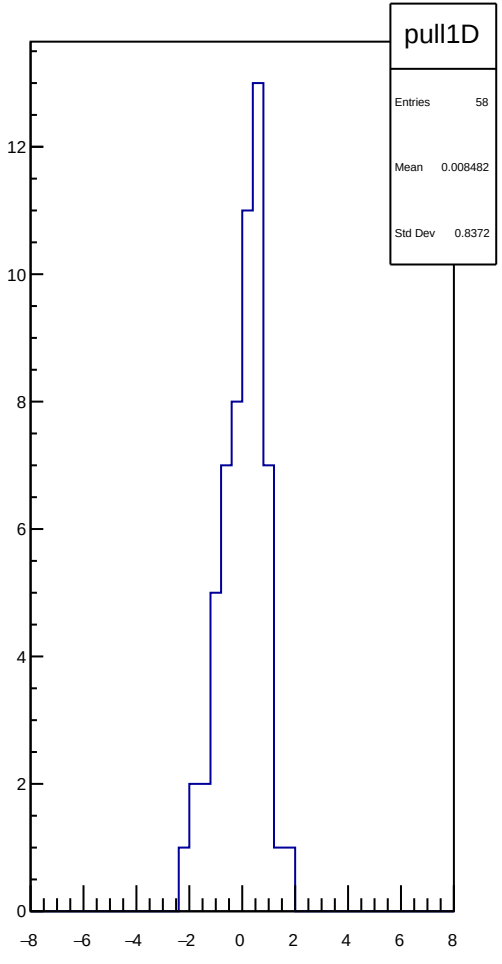

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 39.21 / 57
p0 −46.46 ± 2.771
pull
Entries 58
Mean 27.95
Std Dev 55.77

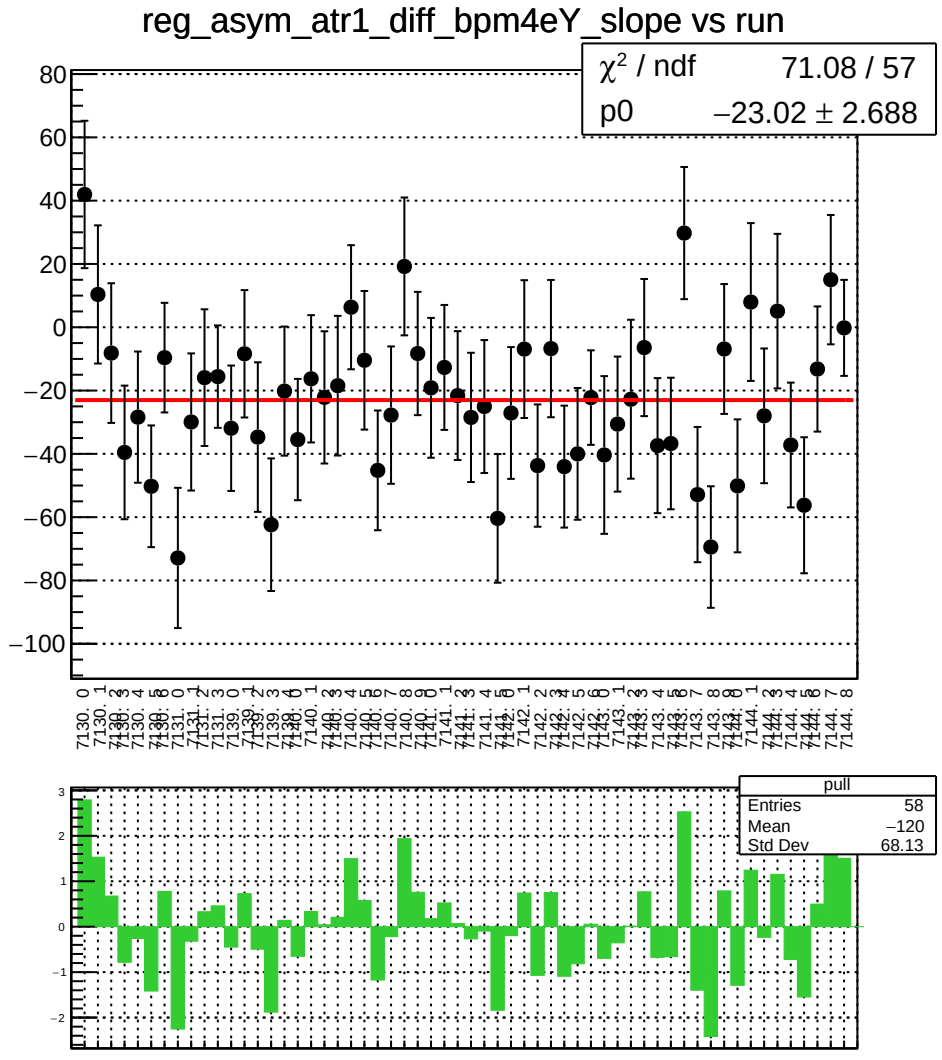

pull1D
Entries 58
Mean −0.01138
Std Dev 0.8221

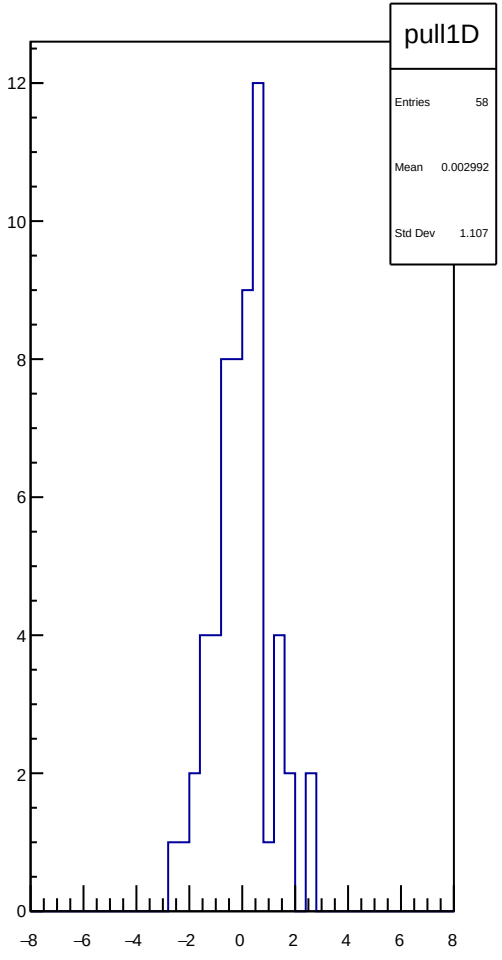

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 71.13 / 57
p0 11.51 ± 2.515
pull
Entries 58
Mean −17.46
Std Dev 50.17

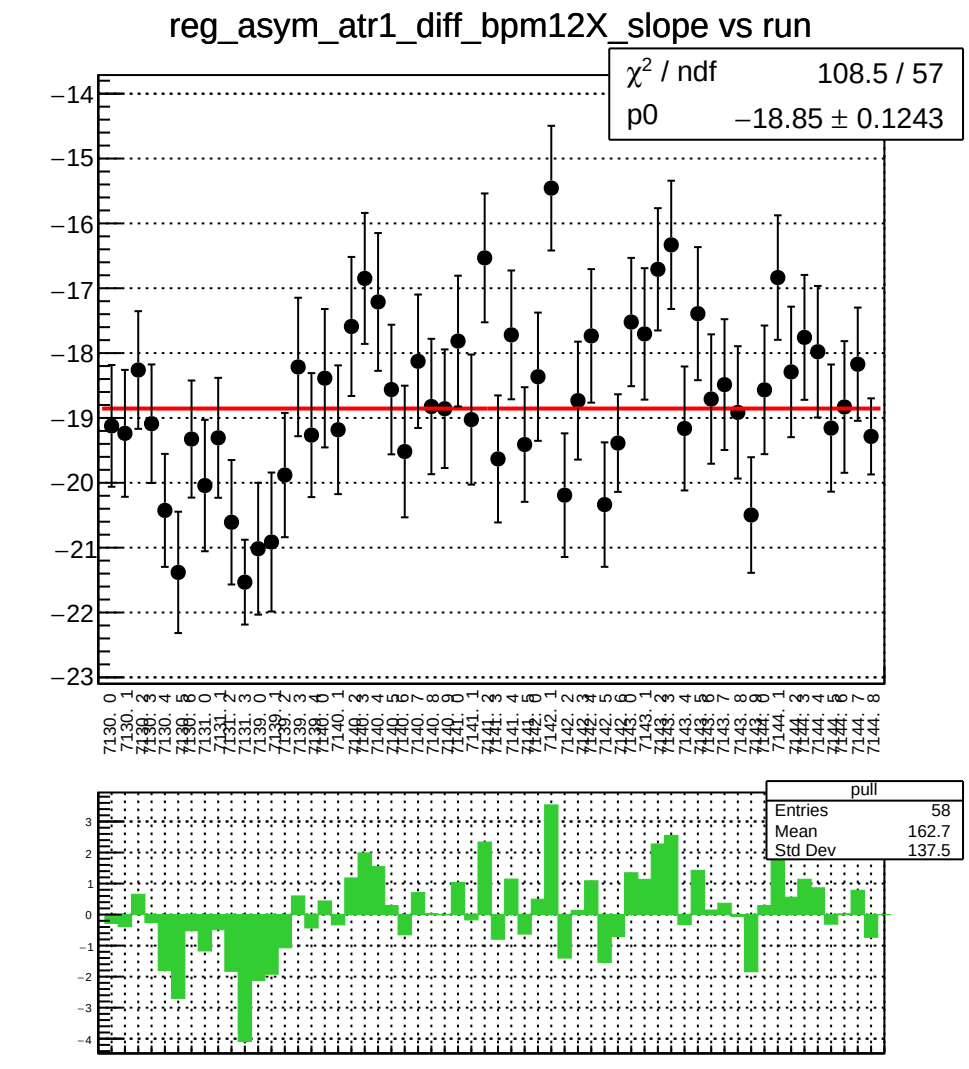

pull1D
Entries 58
Mean −0.01343
Std Dev 1.107

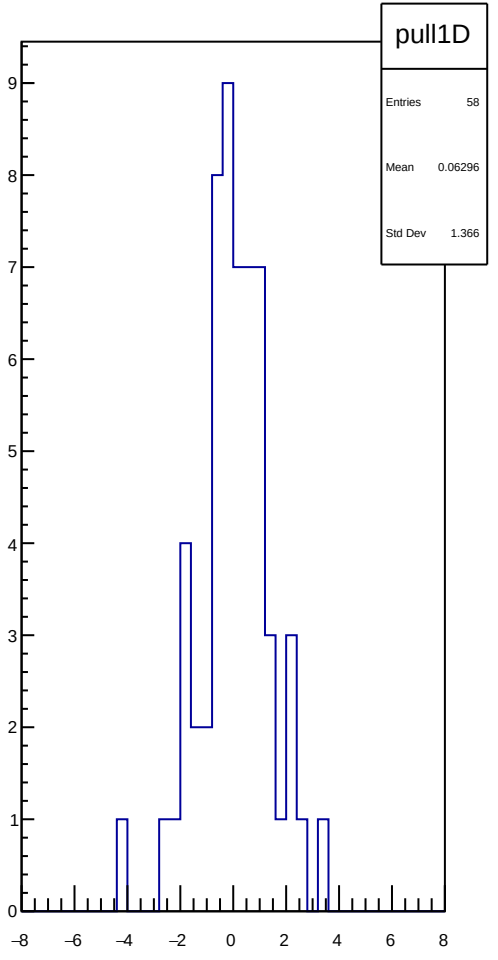

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 40.66 / 57
p0 −11.1 ± 2.82
pull
Entries 58
Mean 6.009
Std Dev 61.14

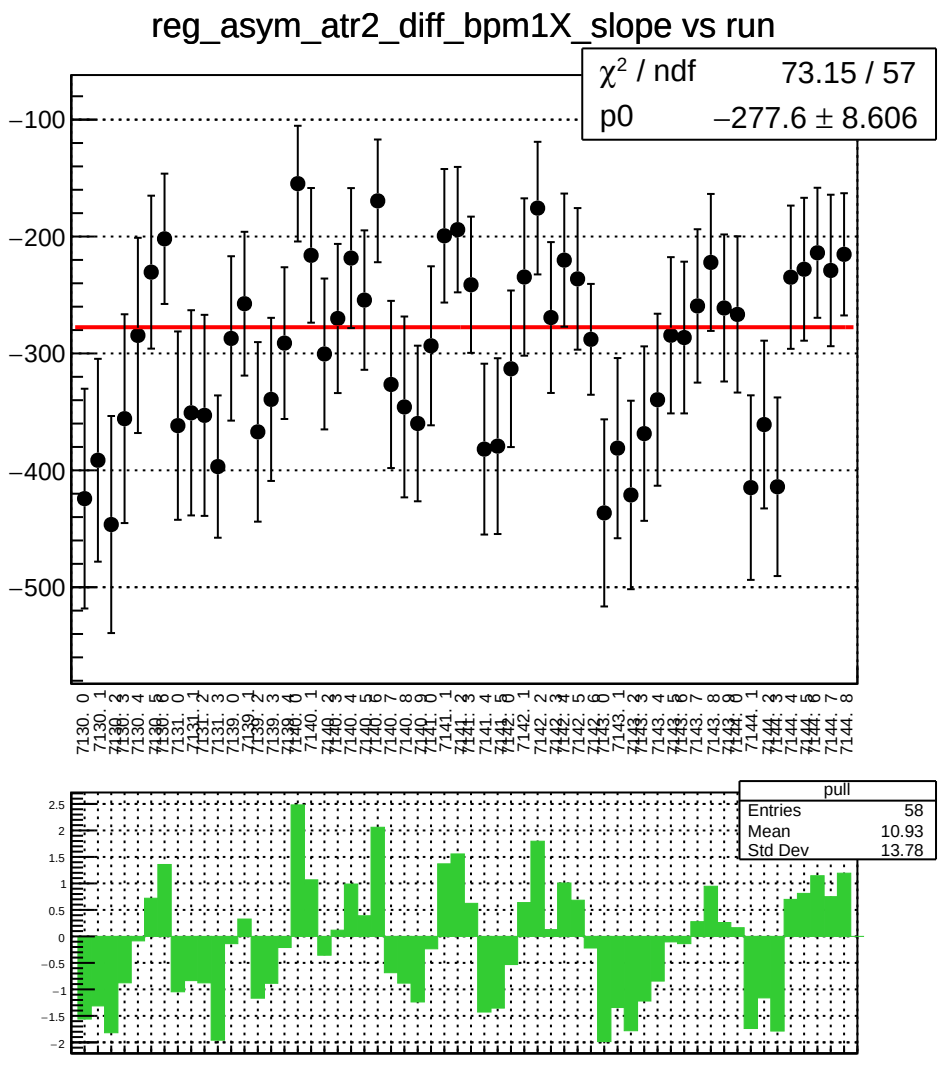

pull1D
Entries 58
Mean 0.008482
Std Dev 0.8372

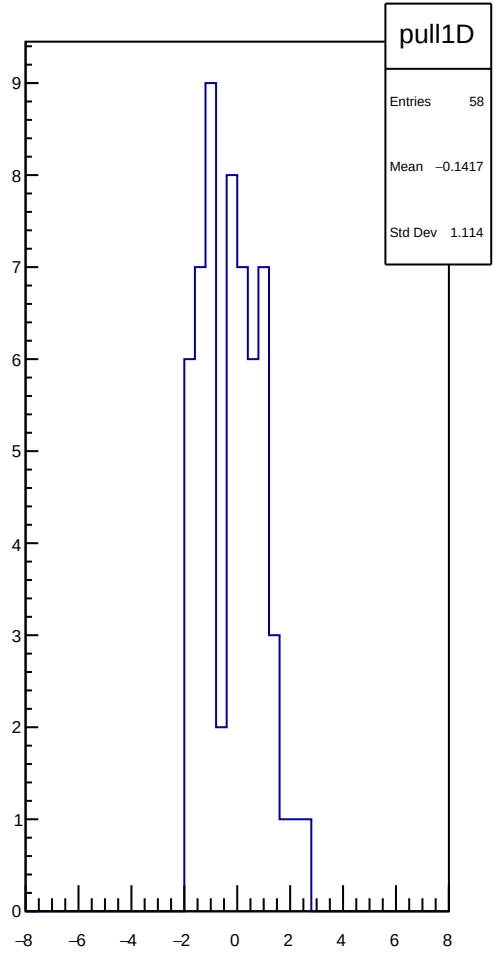

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 71.08 / 57
p0 −23.02 ± 2.688
pull
Entries 58
Mean −120
Std Dev 68.13

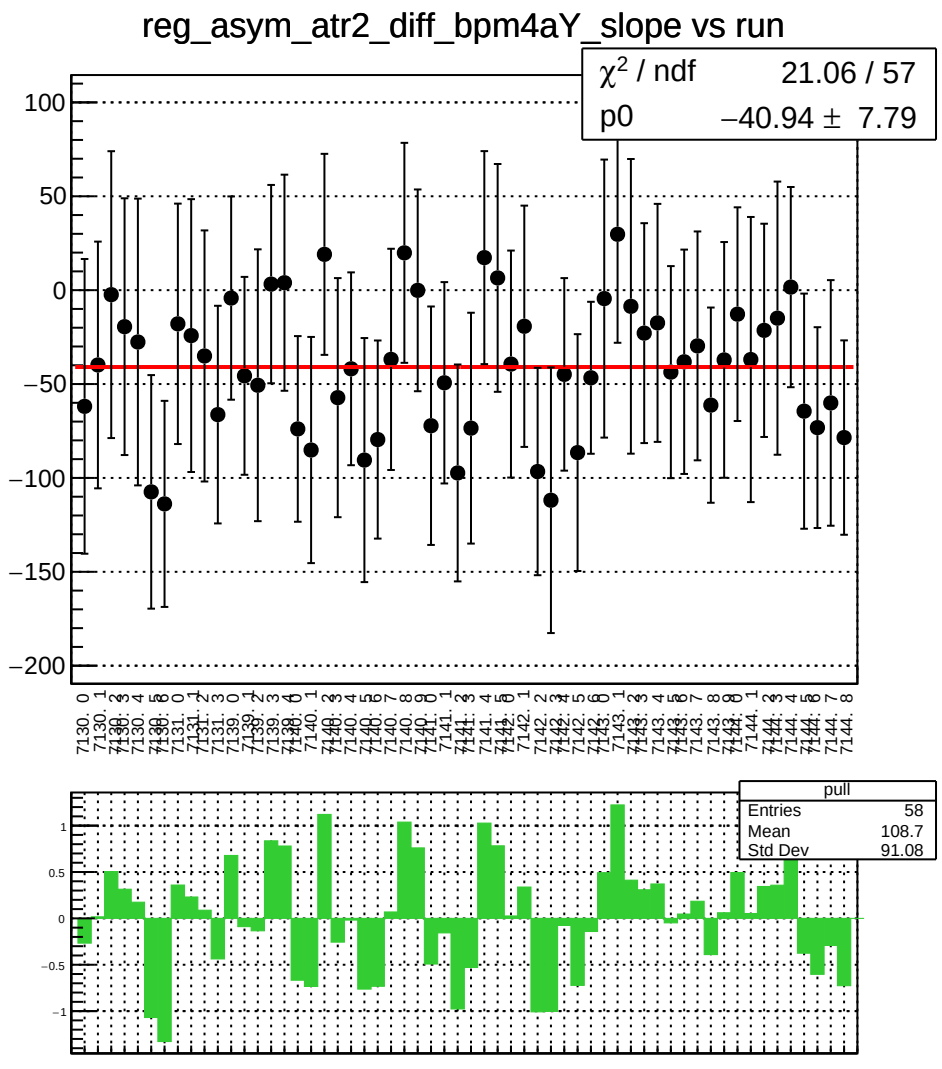

pull1D
Entries 58
Mean 0.002992
Std Dev 1.107

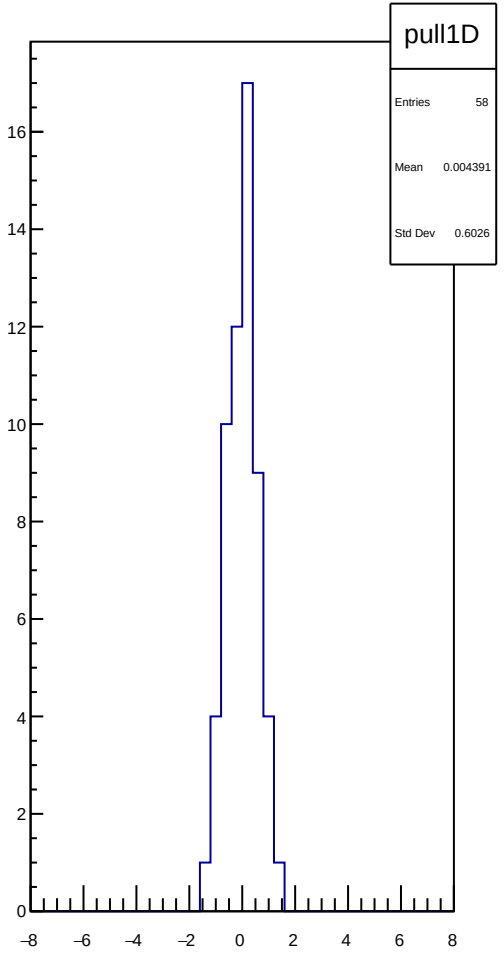

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 108.5 / 57
p0 −18.85 ± 0.1243
pull
Entries 58
Mean 162.7
Std Dev 137.5

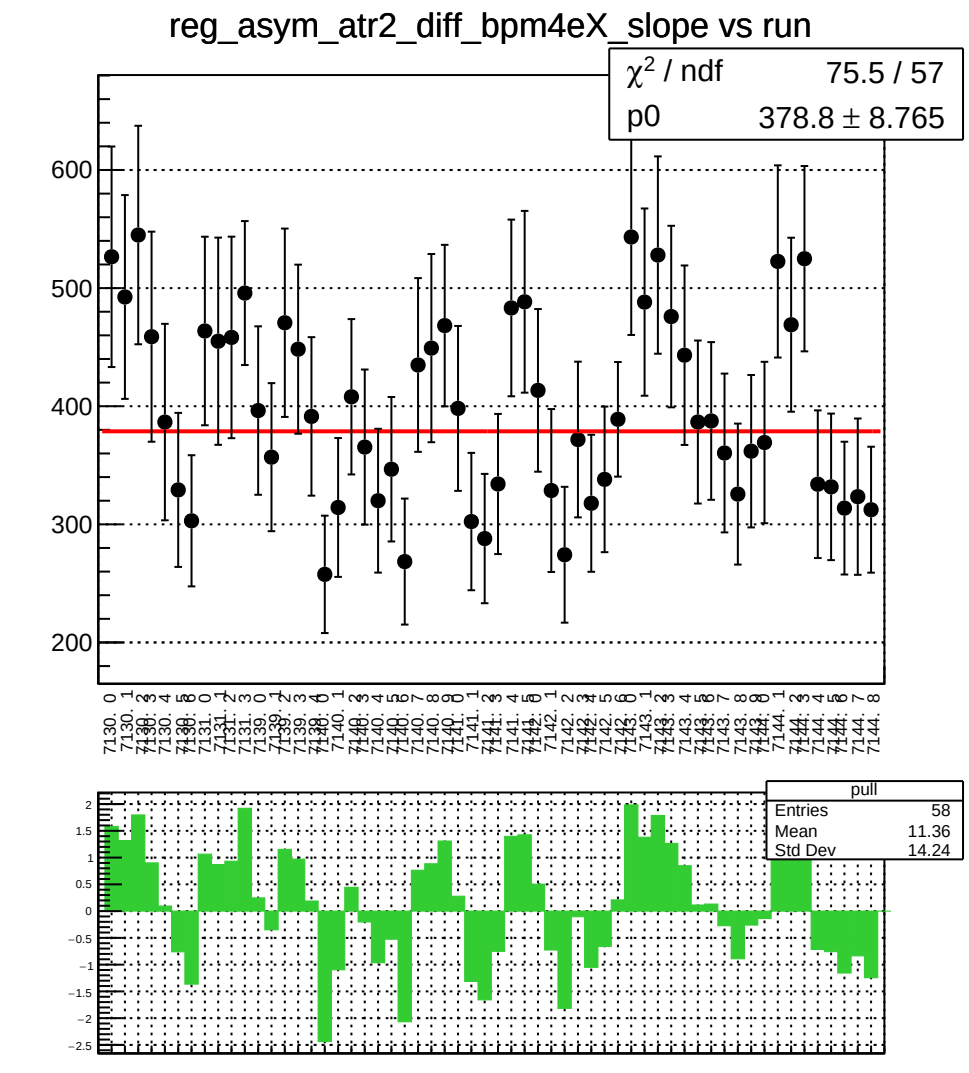

pull1D
Entries 58
Mean 0.06296
Std Dev 1.366

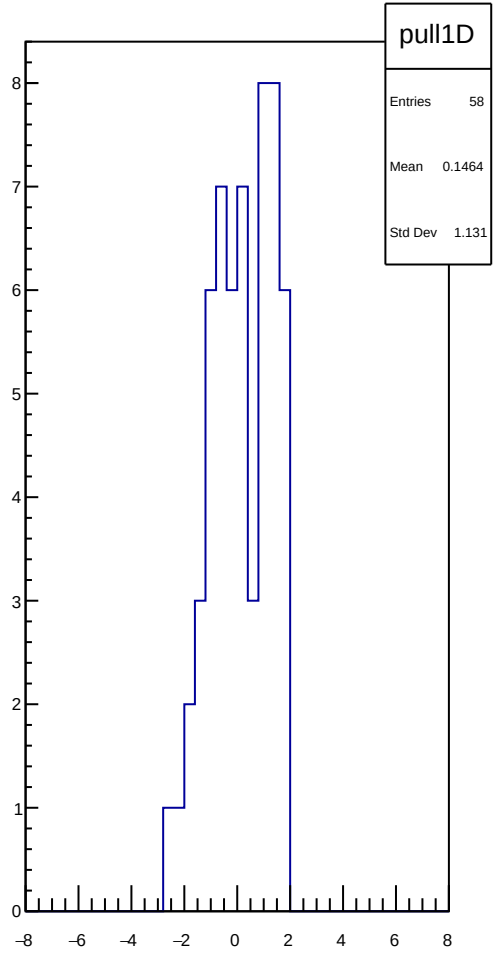

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 73.15 / 57
p0 −277.6 ± 8.606
pull
Entries 58
Mean 10.93
Std Dev 13.78

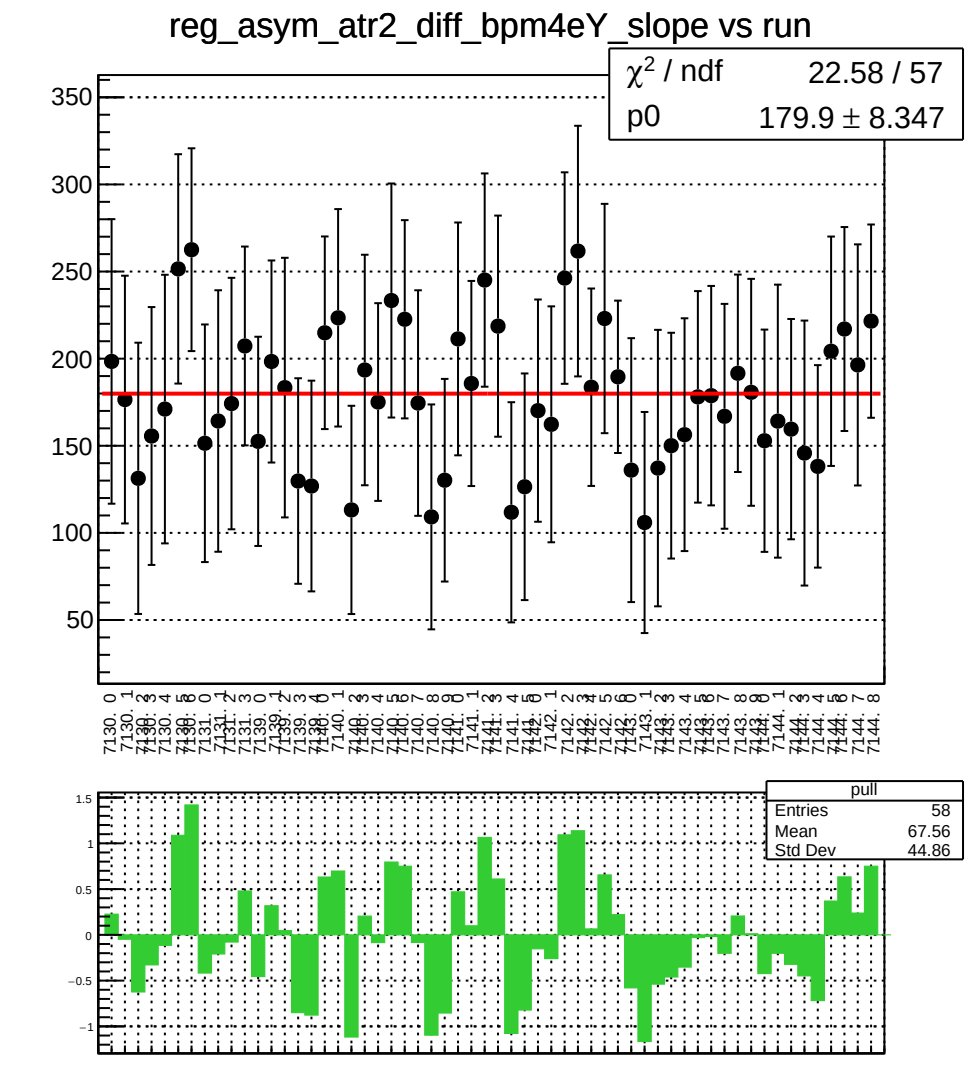

pull1D
Entries 58
Mean −0.1417
Std Dev 1.114

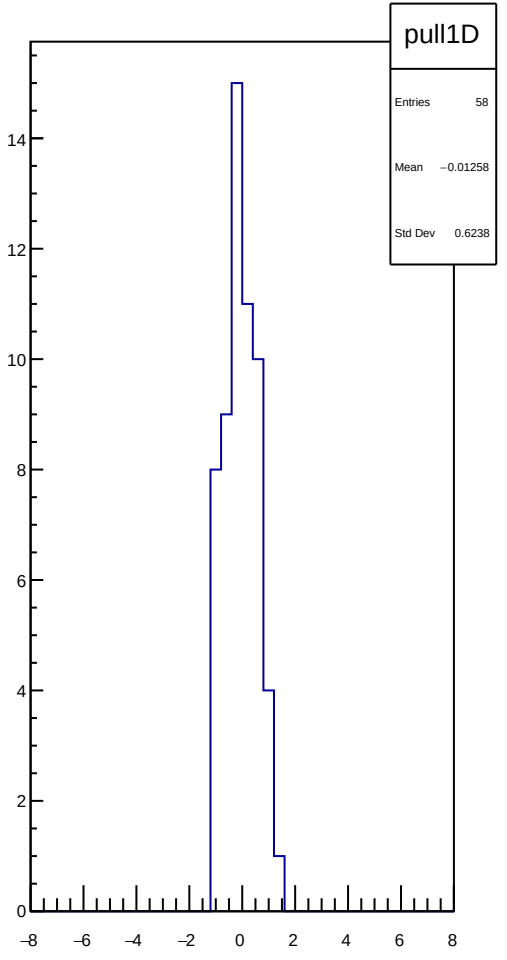

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 21.06 / 57
p0 −40.94 ± 7.79
pull
Entries 58
Mean 108.7
Std Dev 91.08

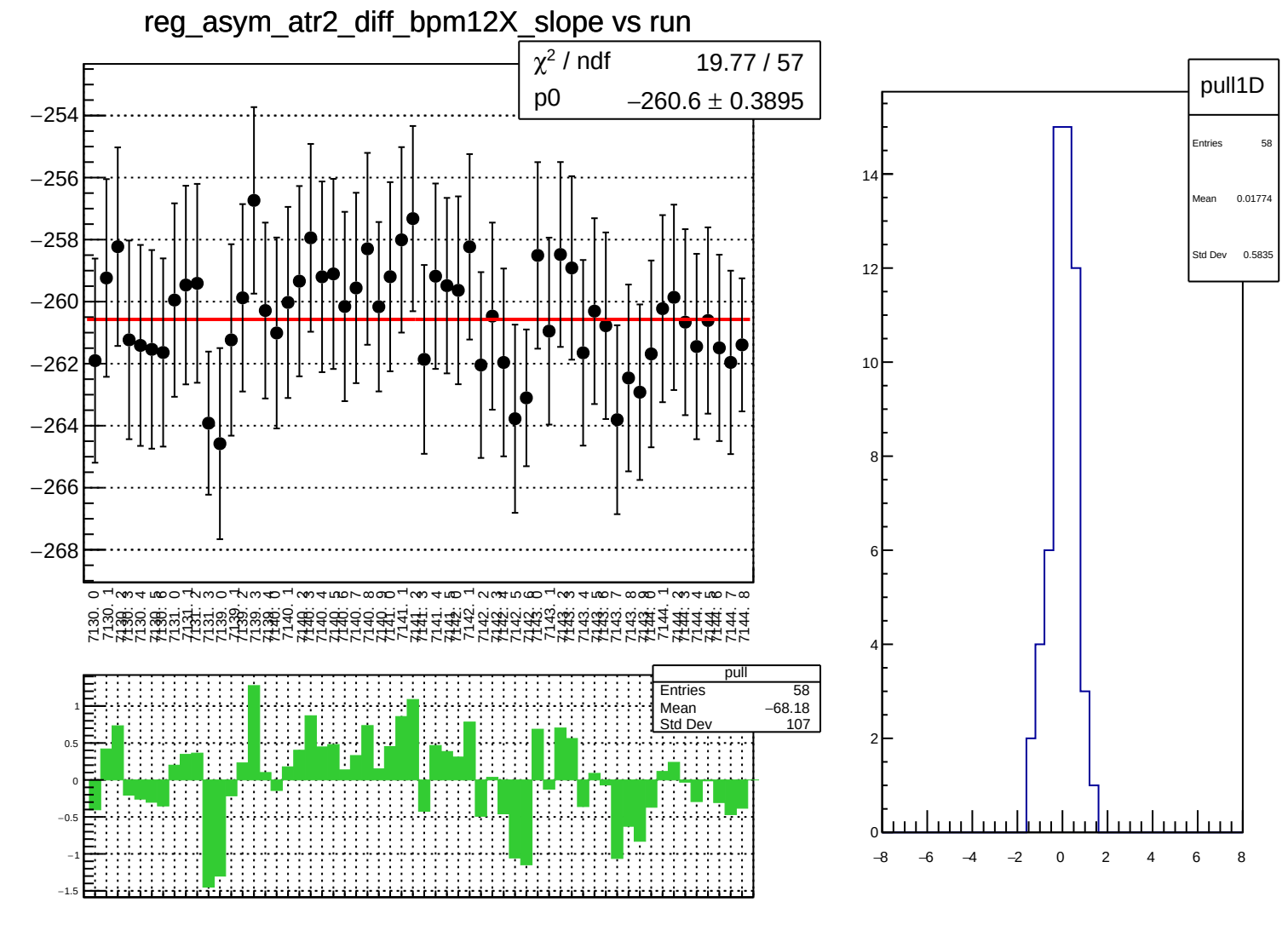

pull1D
Entries 58
Mean 0.004391
Std Dev 0.6026

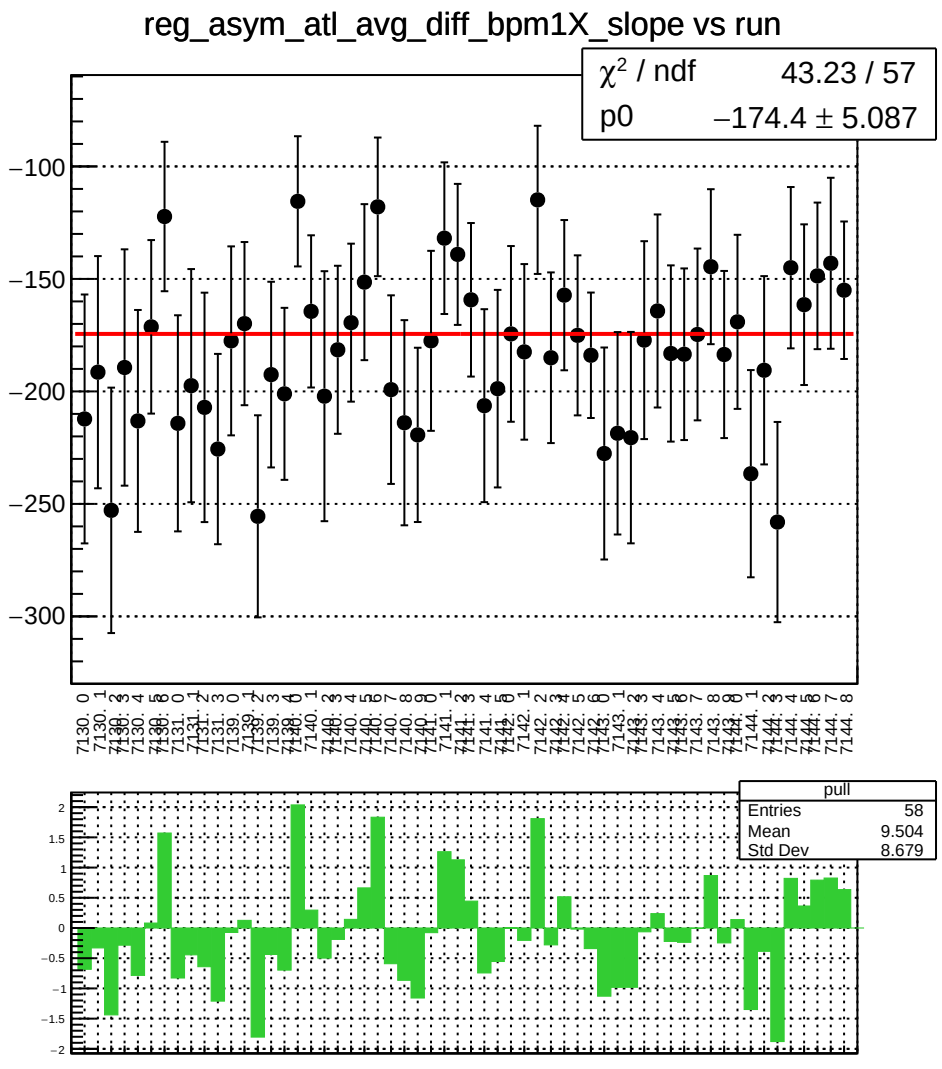

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 75.5 / 57
p0 378.8 ± 8.765
pull
Entries 58
Mean 11.36
Std Dev 14.24

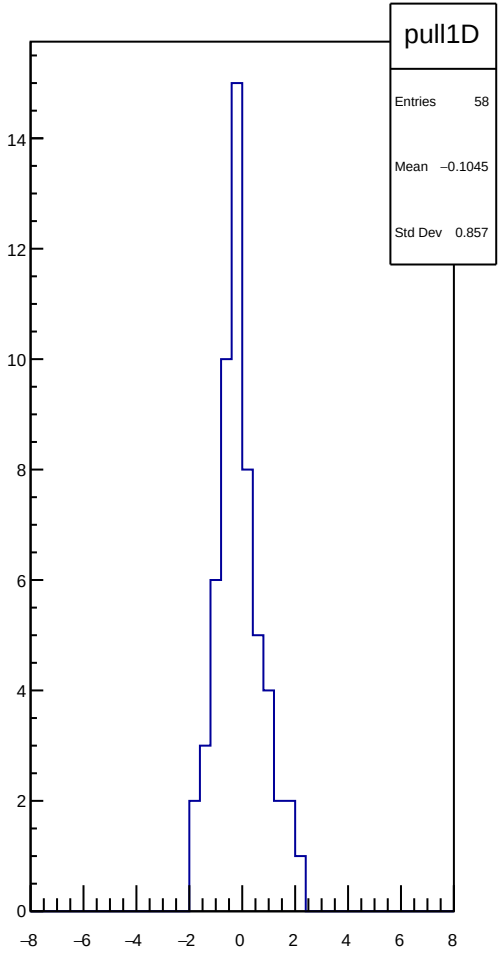

pull1D
Entries 58
Mean 0.1464
Std Dev 1.131

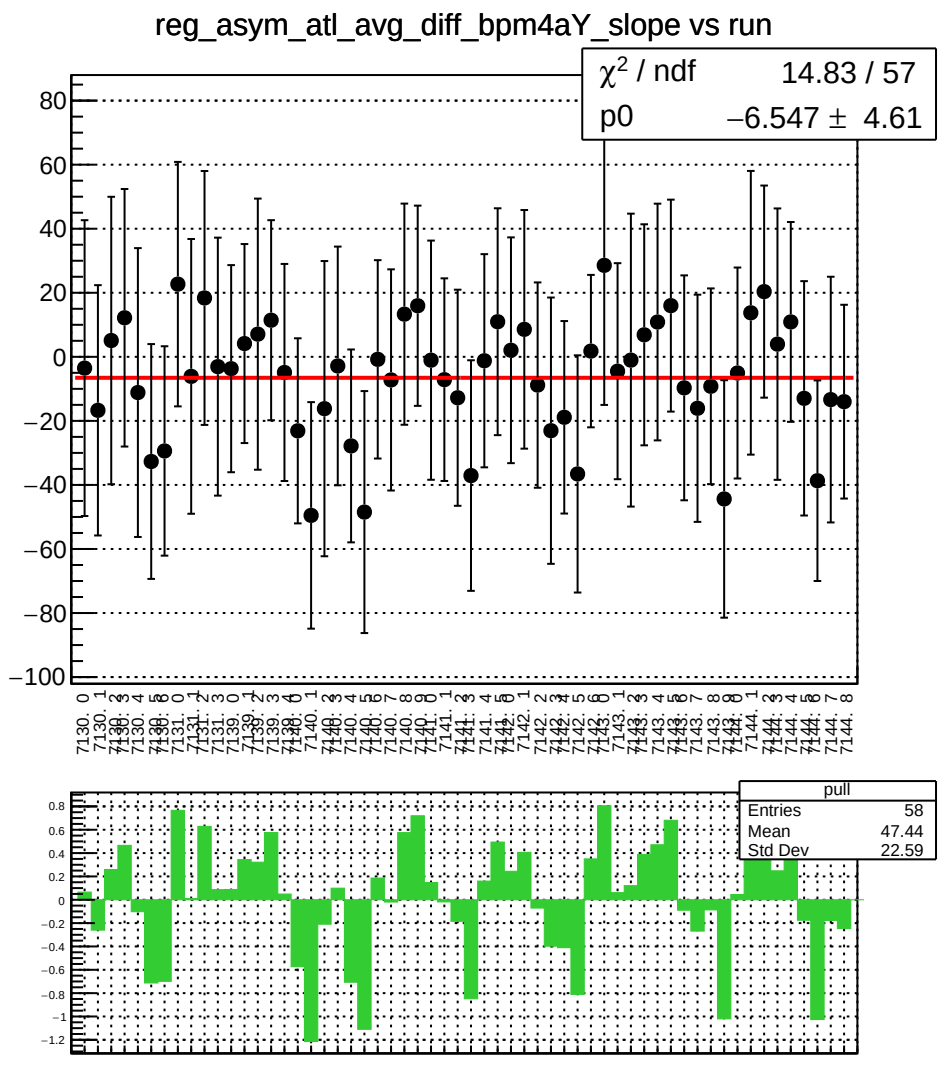

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 22.58 / 57
p0 179.9 ± 8.347
pull
Entries 58
Mean 67.56
Std Dev 44.86

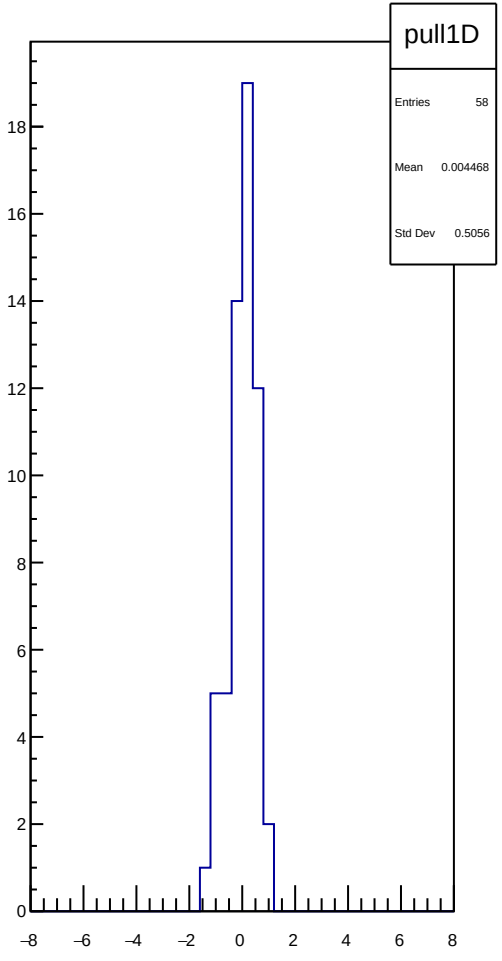

pull1D
Entries 58
Mean −0.01258
Std Dev 0.6238

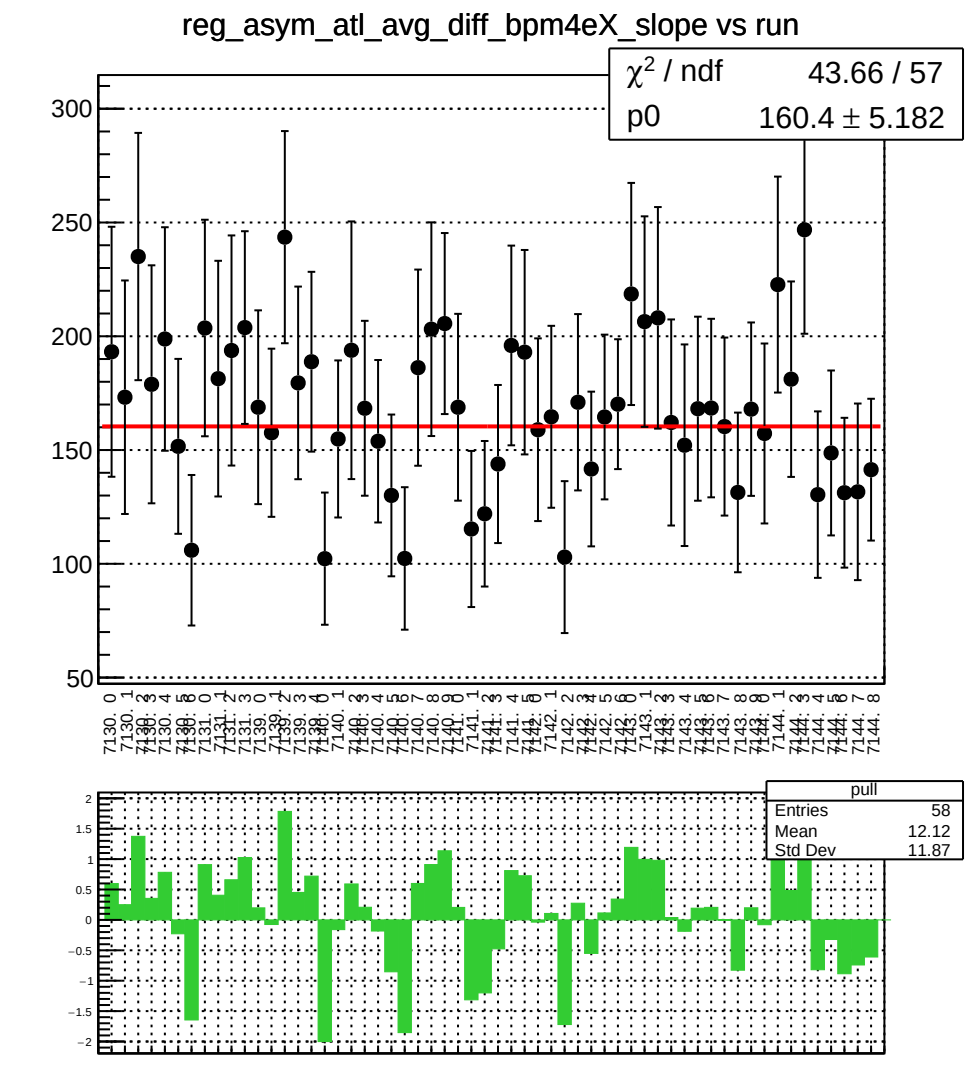

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 19.77 / 57
p0 −260.6 ± 0.3895
pull
Entries 58
Mean −68.18
Std Dev 107
pull1D
Entries 58
Mean 0.01774
Std Dev 0.5835

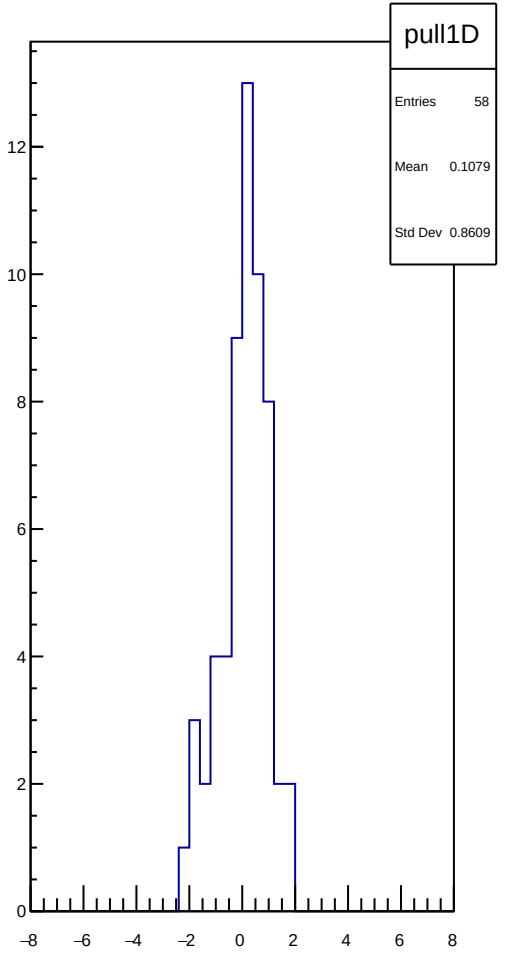

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 43.23 / 57
p0 −174.4 ± 5.087
pull
Entries 58
Mean 9.504
Std Dev 8.679

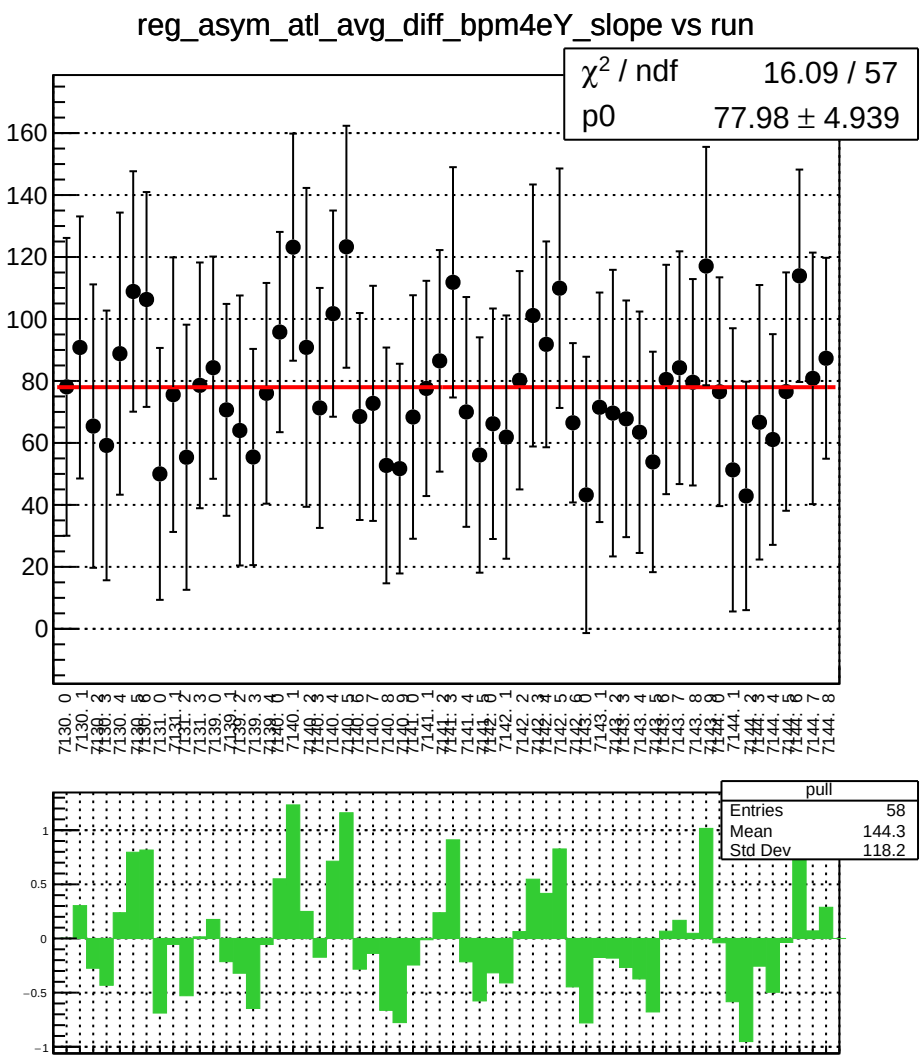

pull1D
Entries 58
Mean −0.1045
Std Dev 0.857

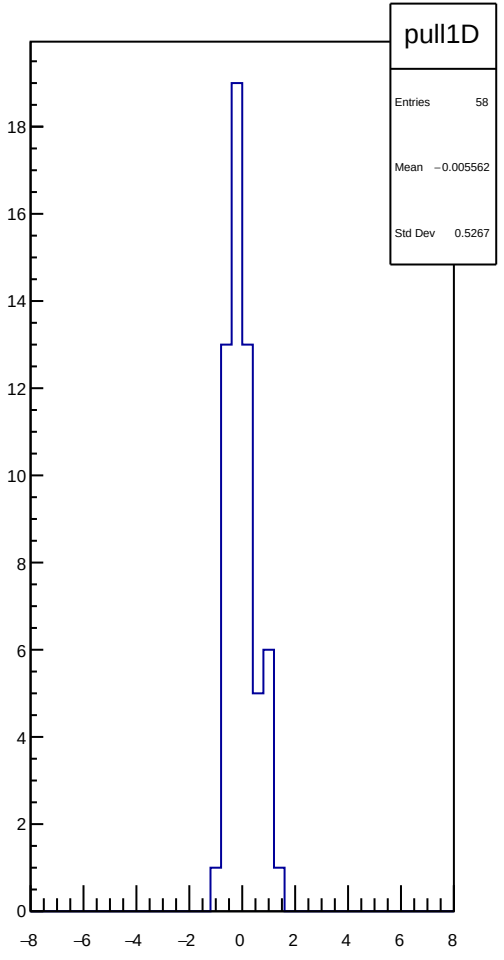

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.83 / 57
p0 −6.547 ± 4.61
pull
Entries 58
Mean 47.44
Std Dev 22.59

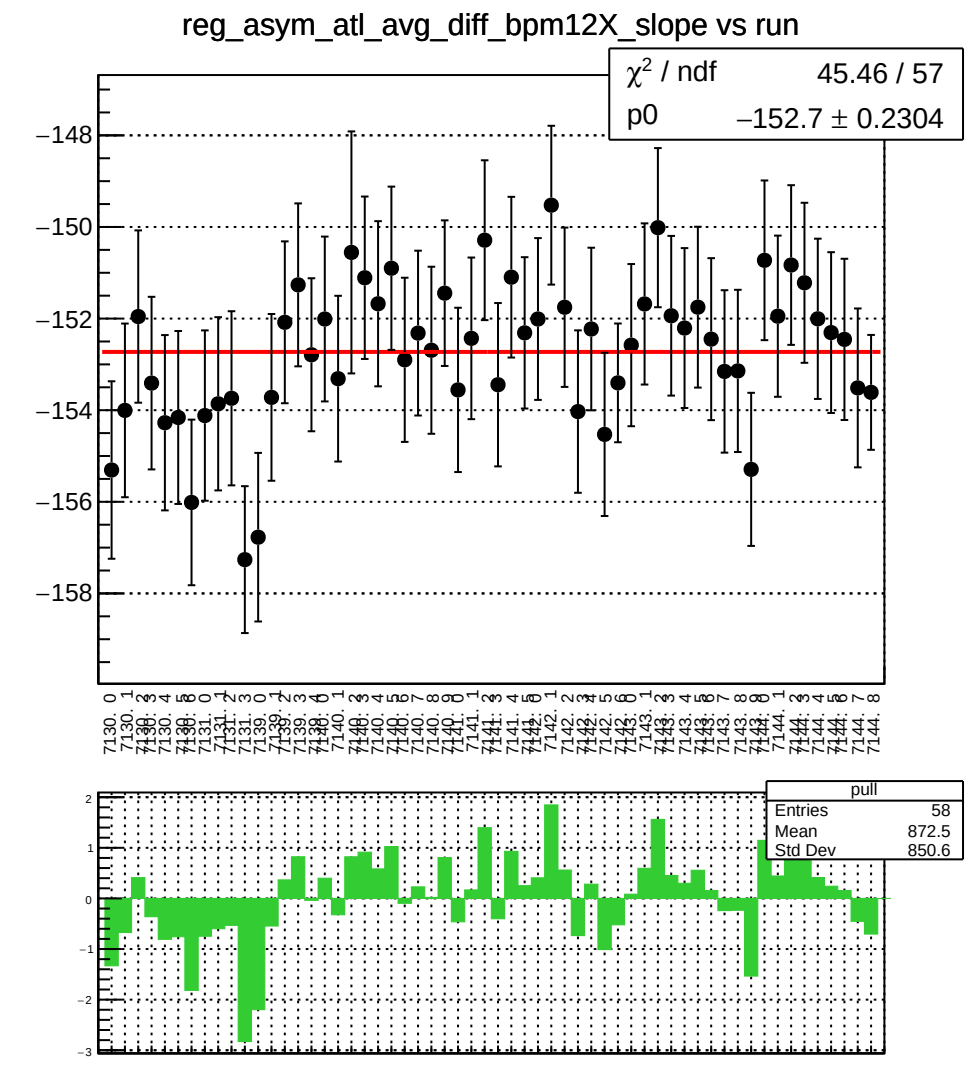

pull1D
Entries 58
Mean 0.004468
Std Dev 0.5056

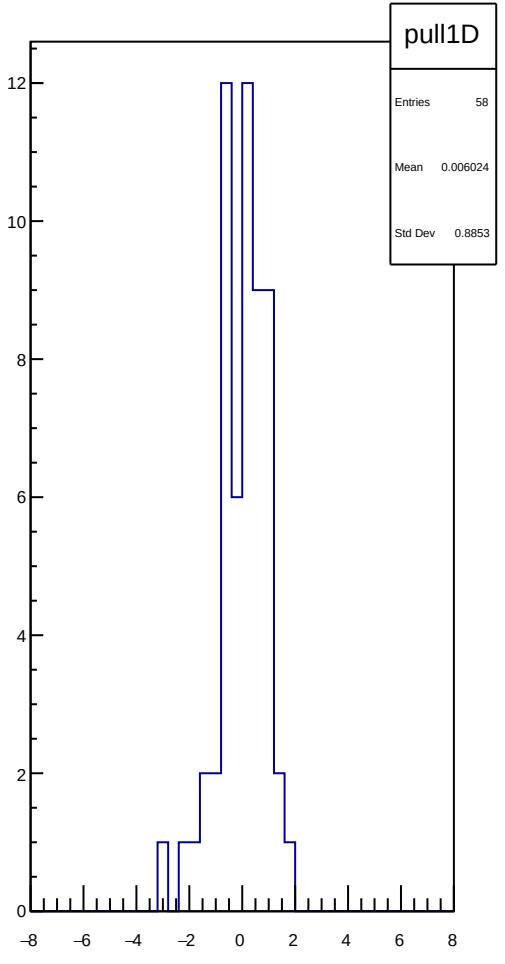

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.66 / 57
p0 160.4 ± 5.182
pull
Entries 58
Mean 12.12
Std Dev 11.87

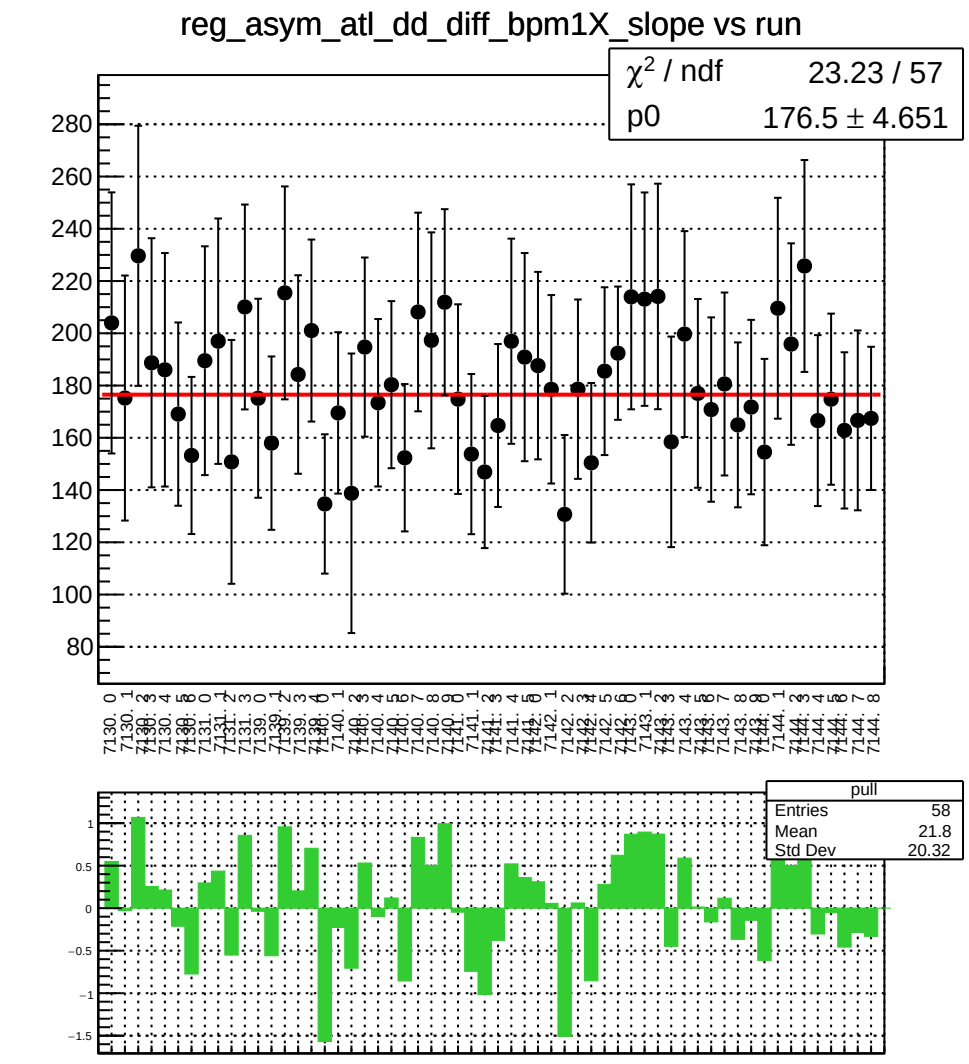

pull1D
Entries 58
Mean 0.1079
Std Dev 0.8609

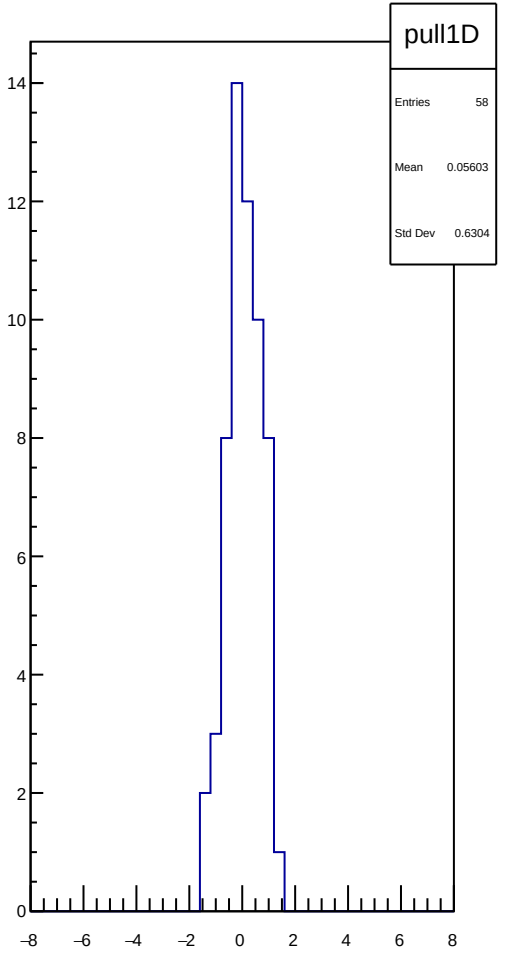

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.09 / 57
p0 77.98 ± 4.939
pull
Entries 58
Mean 144.3
Std Dev 118.2

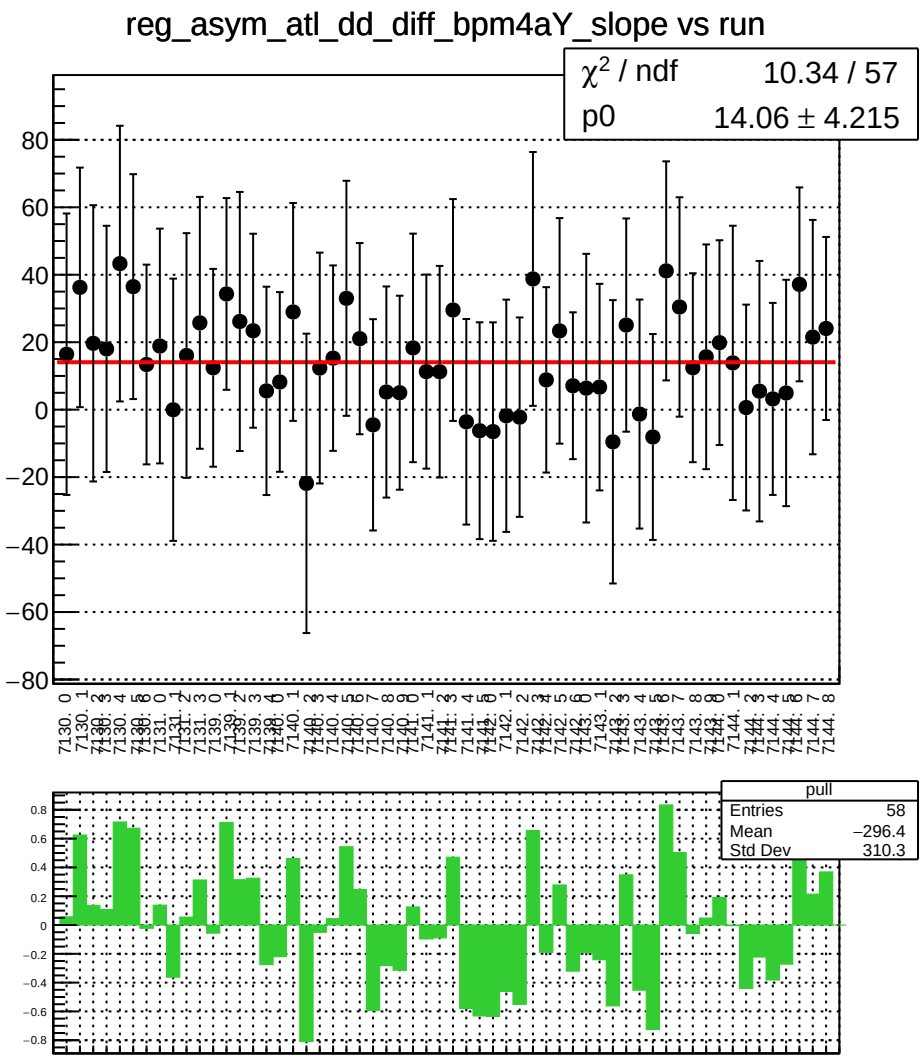

pull1D
Entries 58
Mean −0.005562
Std Dev 0.5267

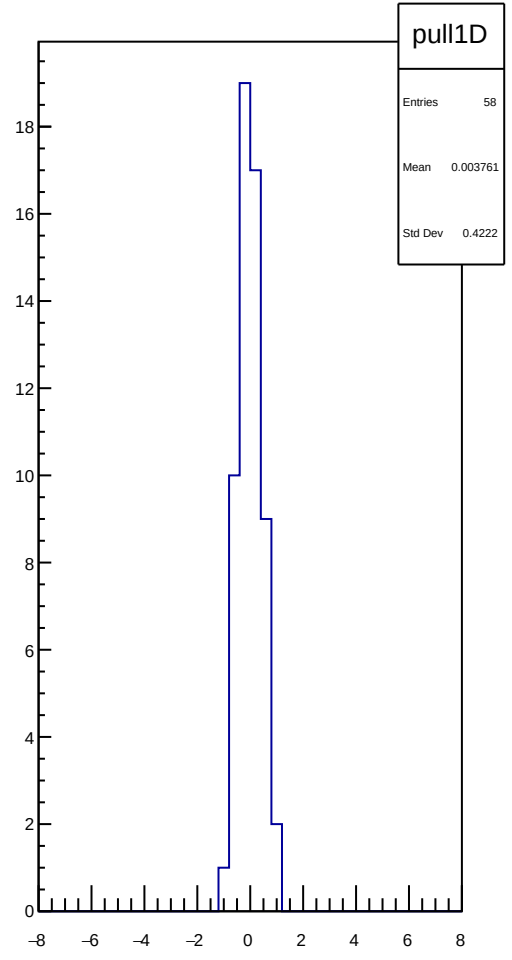

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 45.46 / 57
p0 −152.7 ± 0.2304
pull
Entries 58
Mean 872.5
Std Dev 850.6

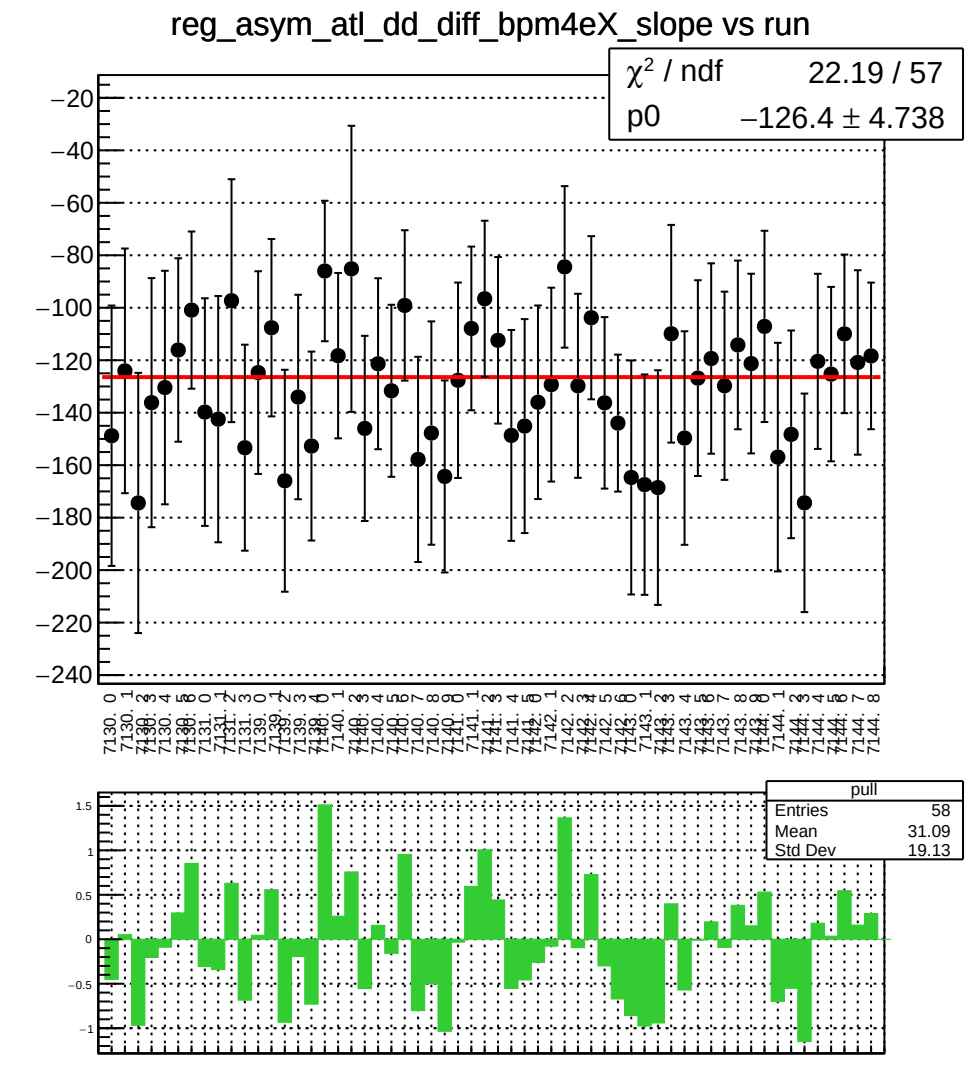

pull1D
Entries 58
Mean 0.006024
Std Dev 0.8853

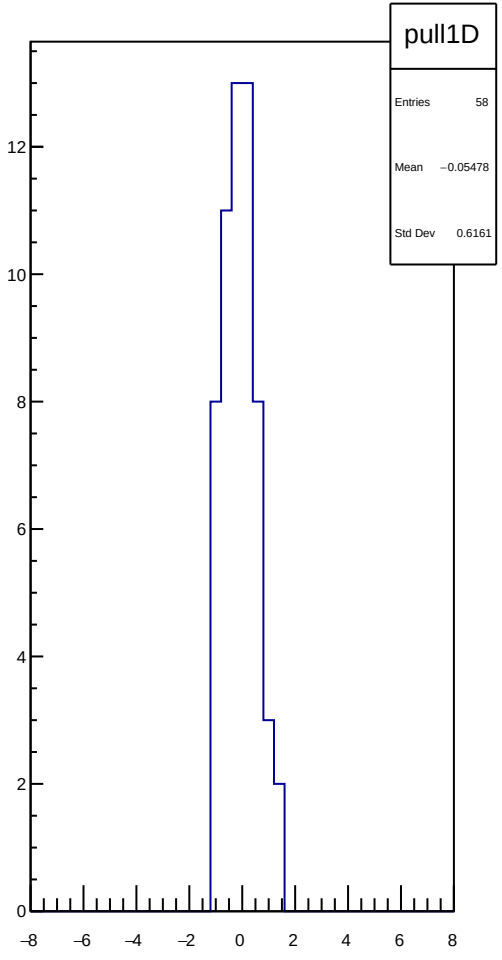

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 23.23 / 57
p0 176.5 ± 4.651
pull
Entries 58
Mean 21.8
Std Dev 20.32

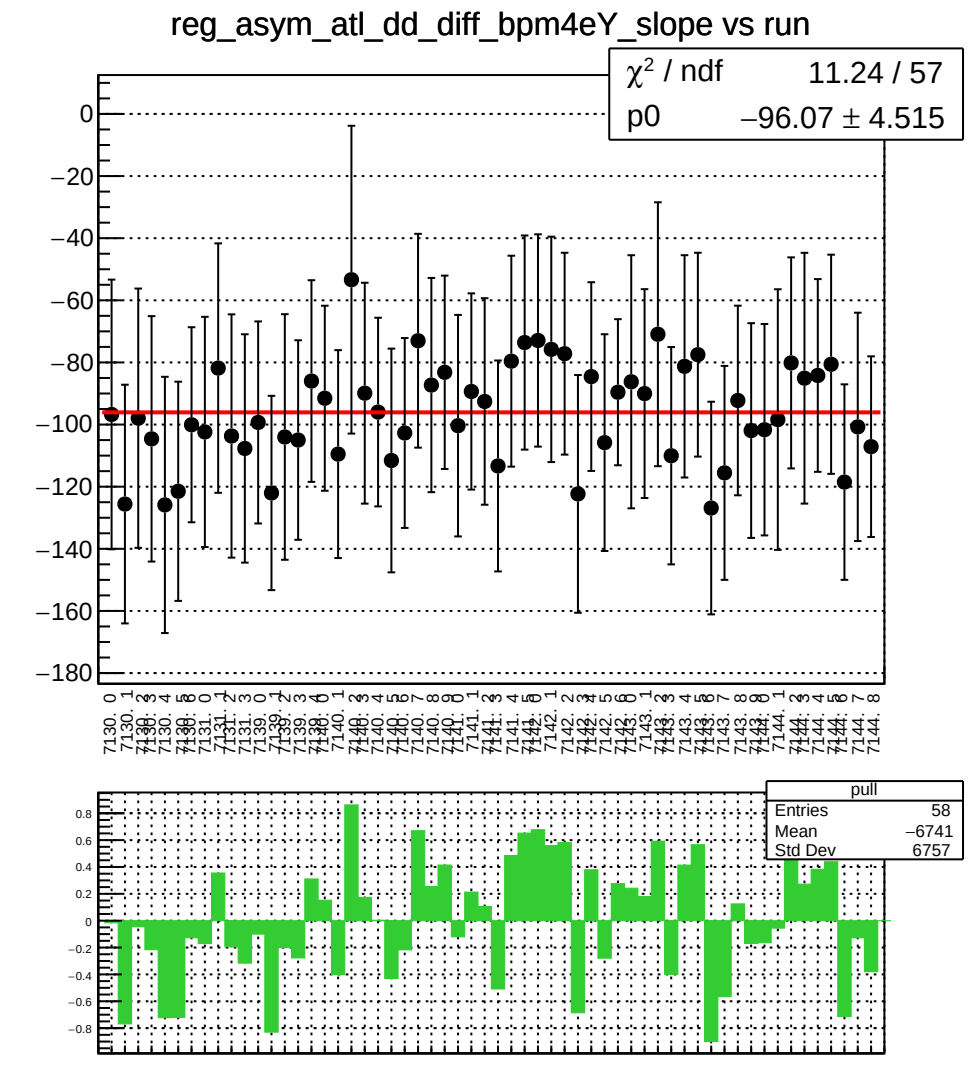

pull1D
Entries 58
Mean 0.05603
Std Dev 0.6304

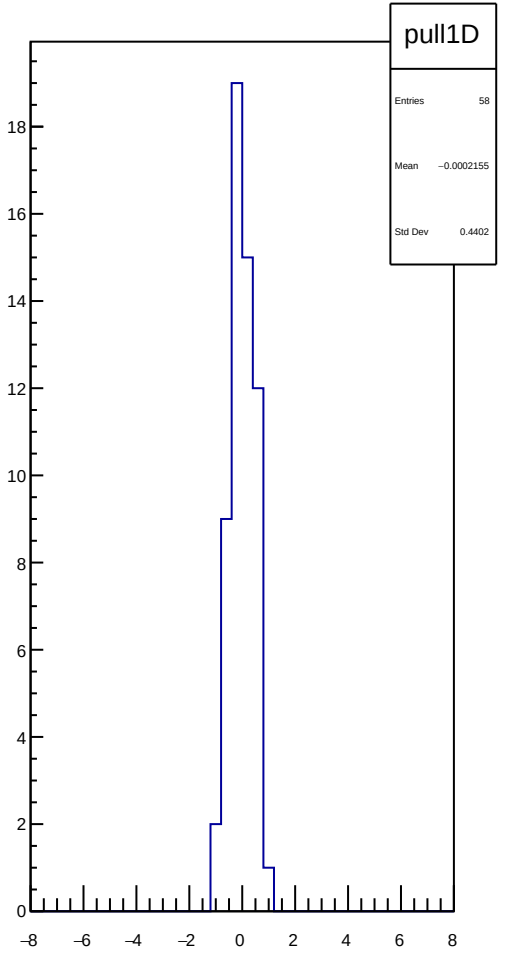

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.34 / 57
p0 14.06 ± 4.215
pull
Entries 58
Mean −296.4
Std Dev 310.3

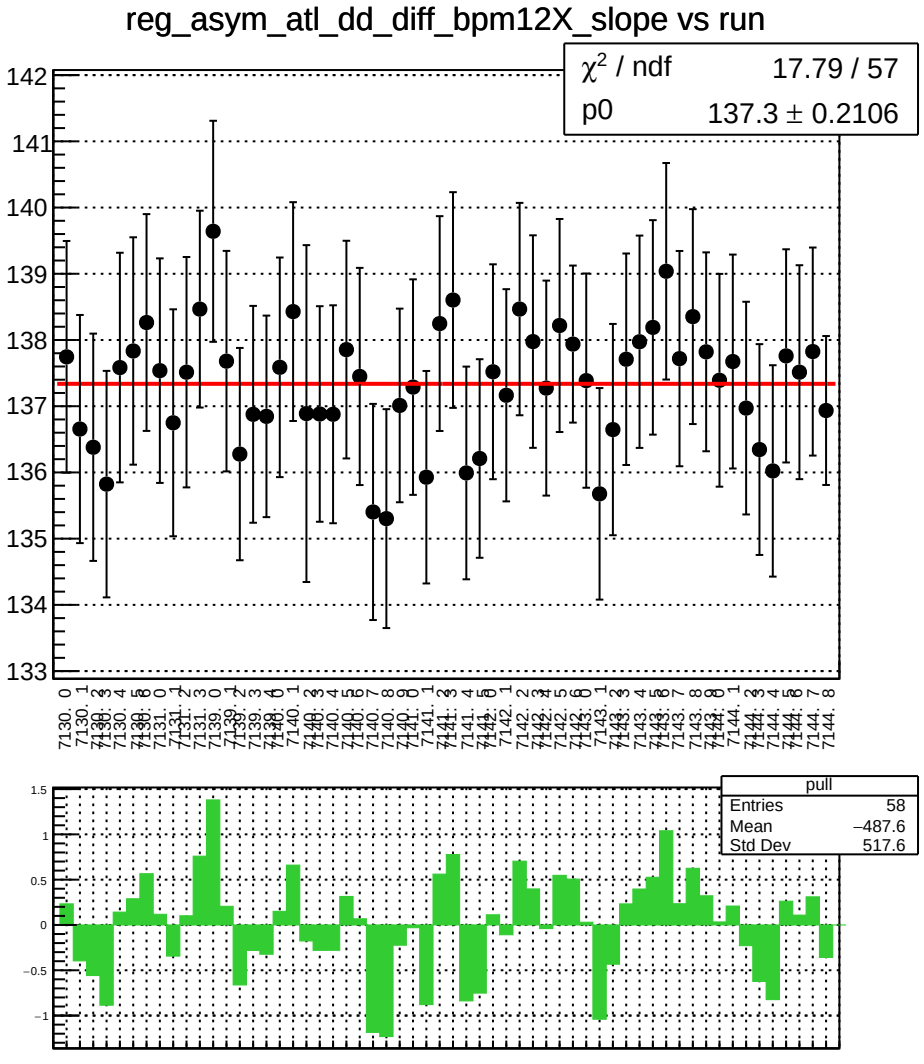

pull1D
Entries 58
Mean 0.003761
Std Dev 0.4222

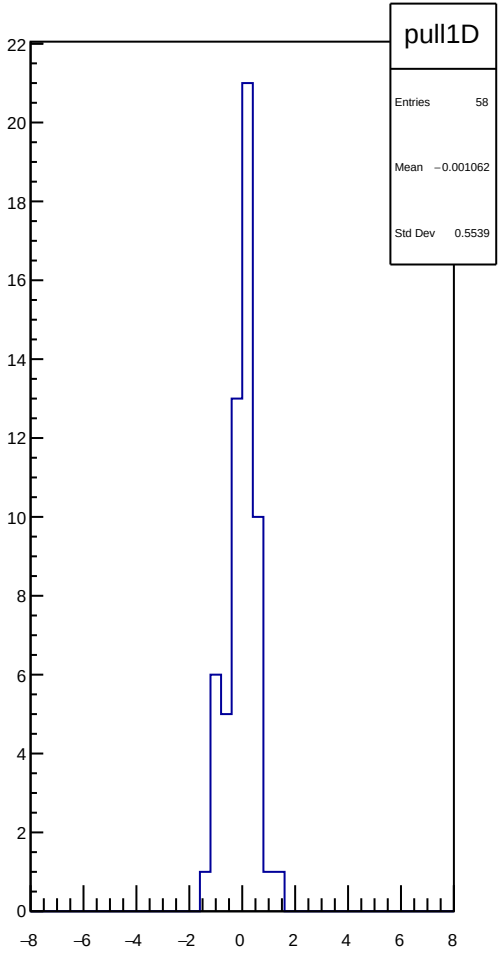

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.19 / 57
p0 −126.4 ± 4.738
pull
Entries 58
Mean 31.09
Std Dev 19.13

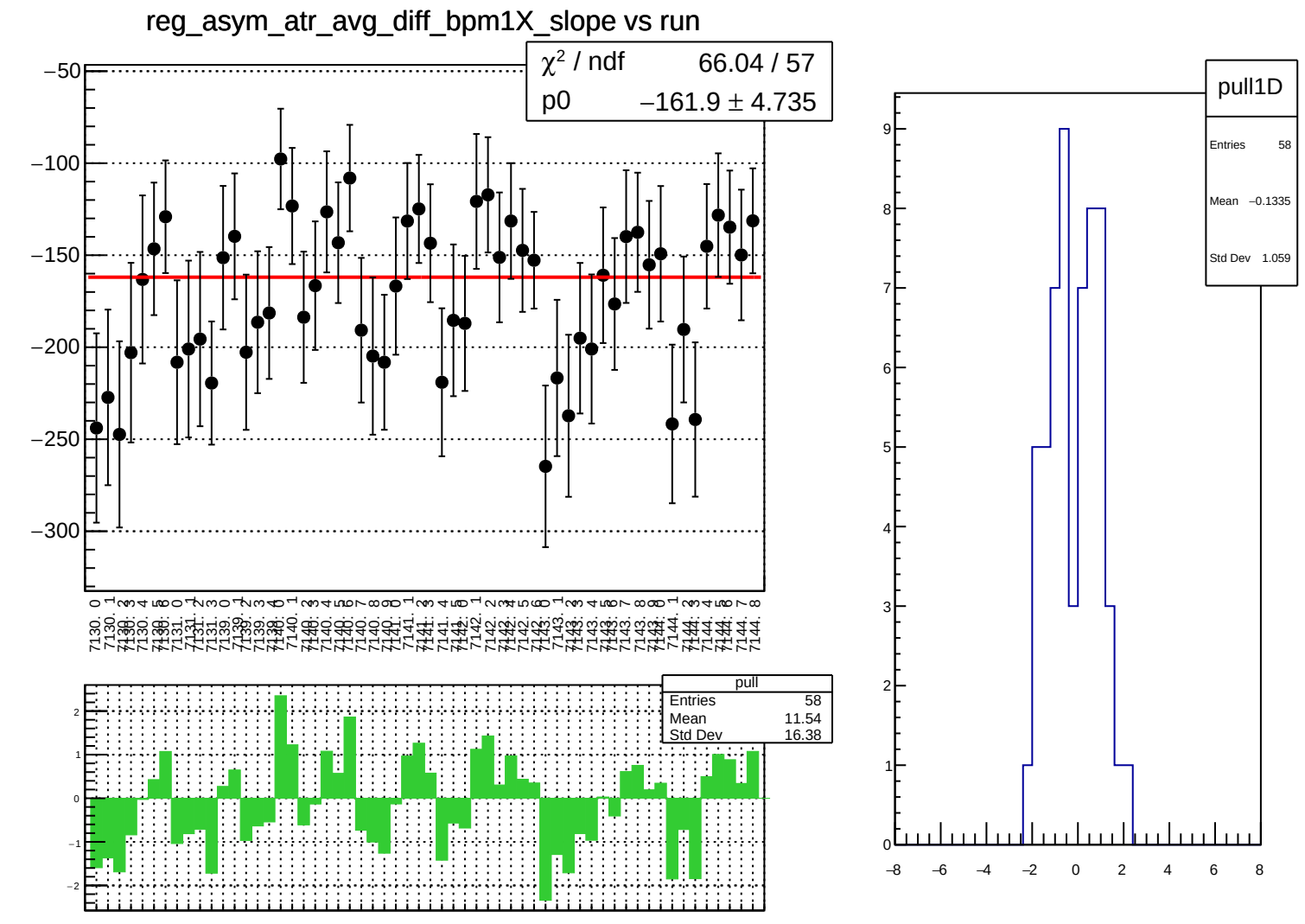

pull1D
Entries 58
Mean −0.05478
Std Dev 0.6161

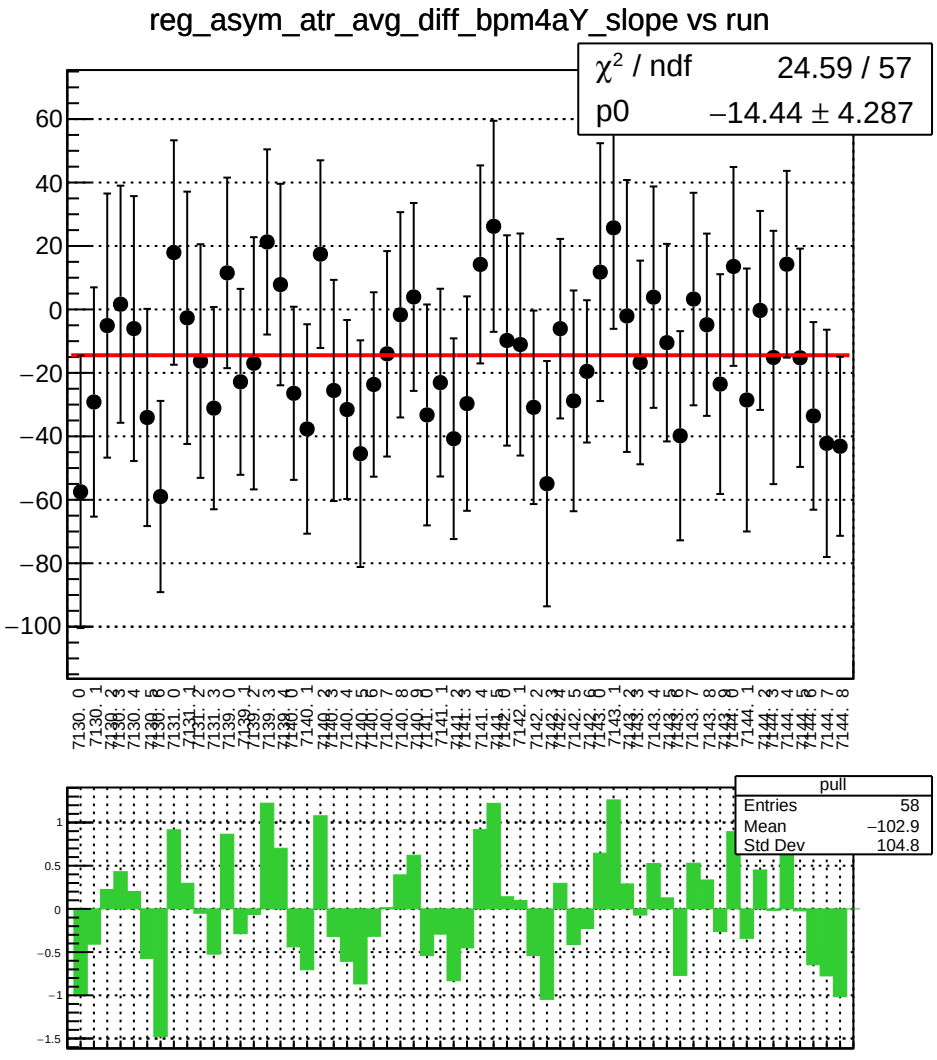

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.24 / 57
p0 −96.07 ± 4.515
pull
Entries 58
Mean −6741
Std Dev 6757

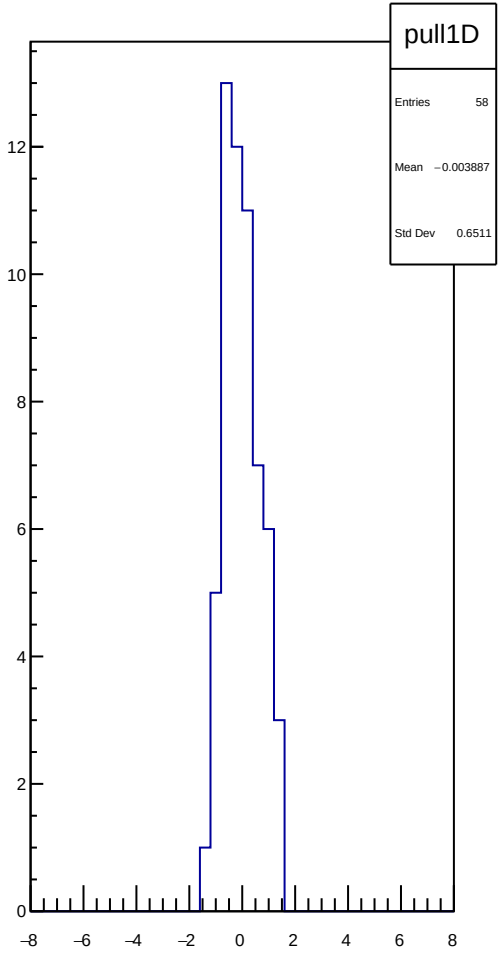

pull1D
Entries 58
Mean −0.0002155
Std Dev 0.4402

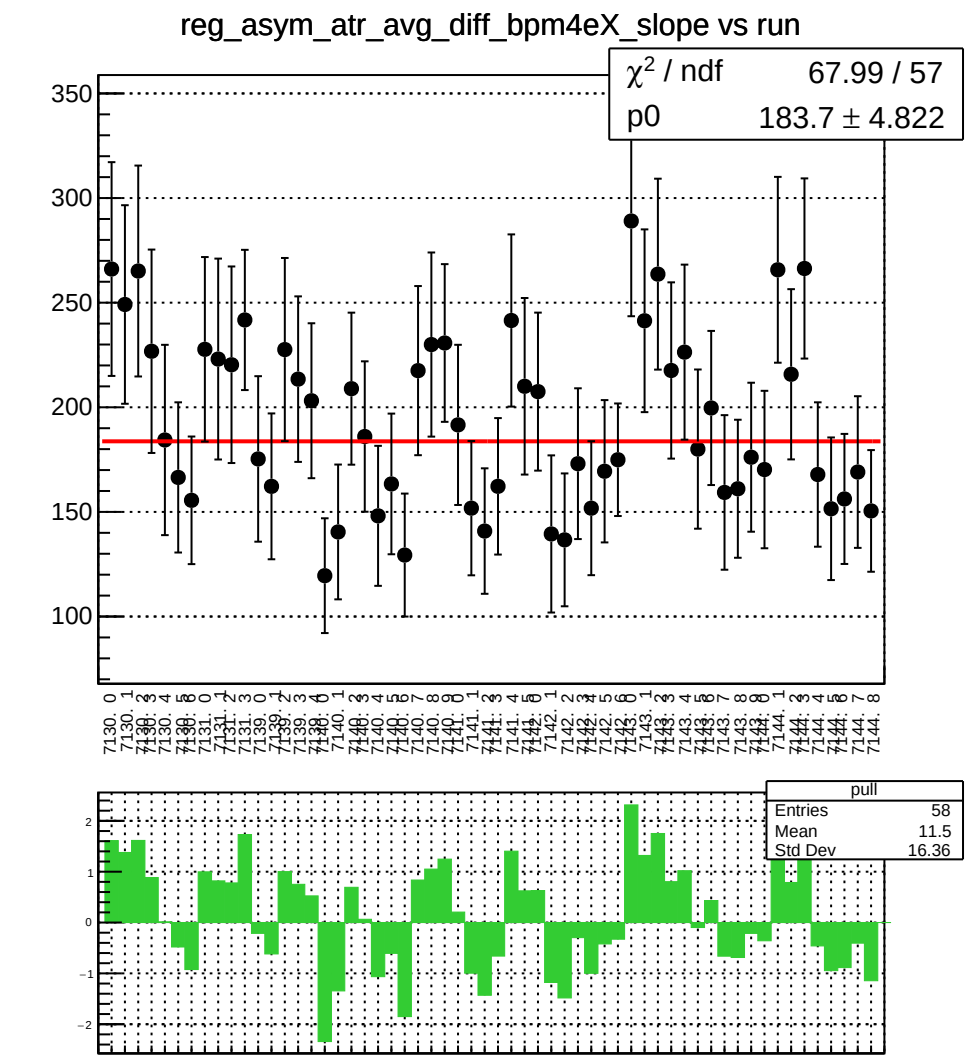

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 17.79 / 57
p0 137.3 ± 0.2106
pull
Entries 58
Mean −487.6
Std Dev 517.6

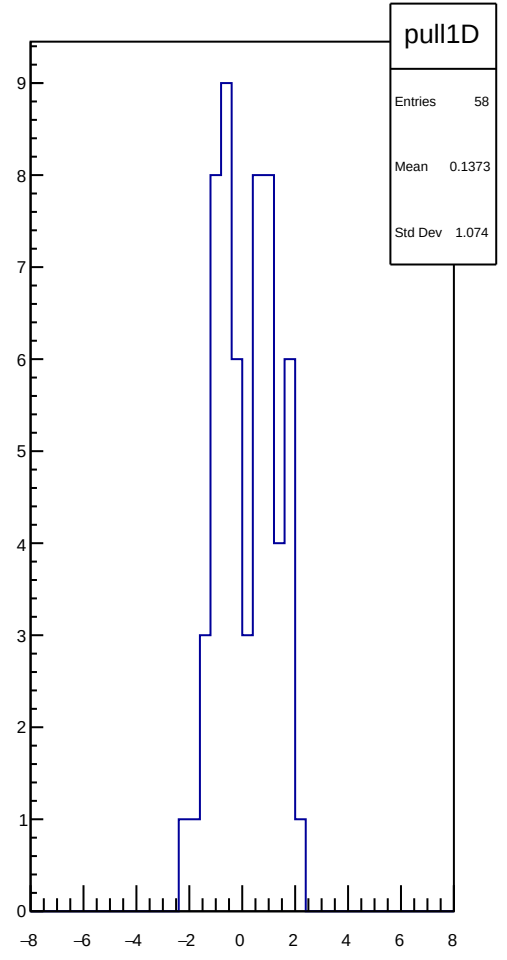

pull1D
Entries 58
Mean −0.001062
Std Dev 0.5539

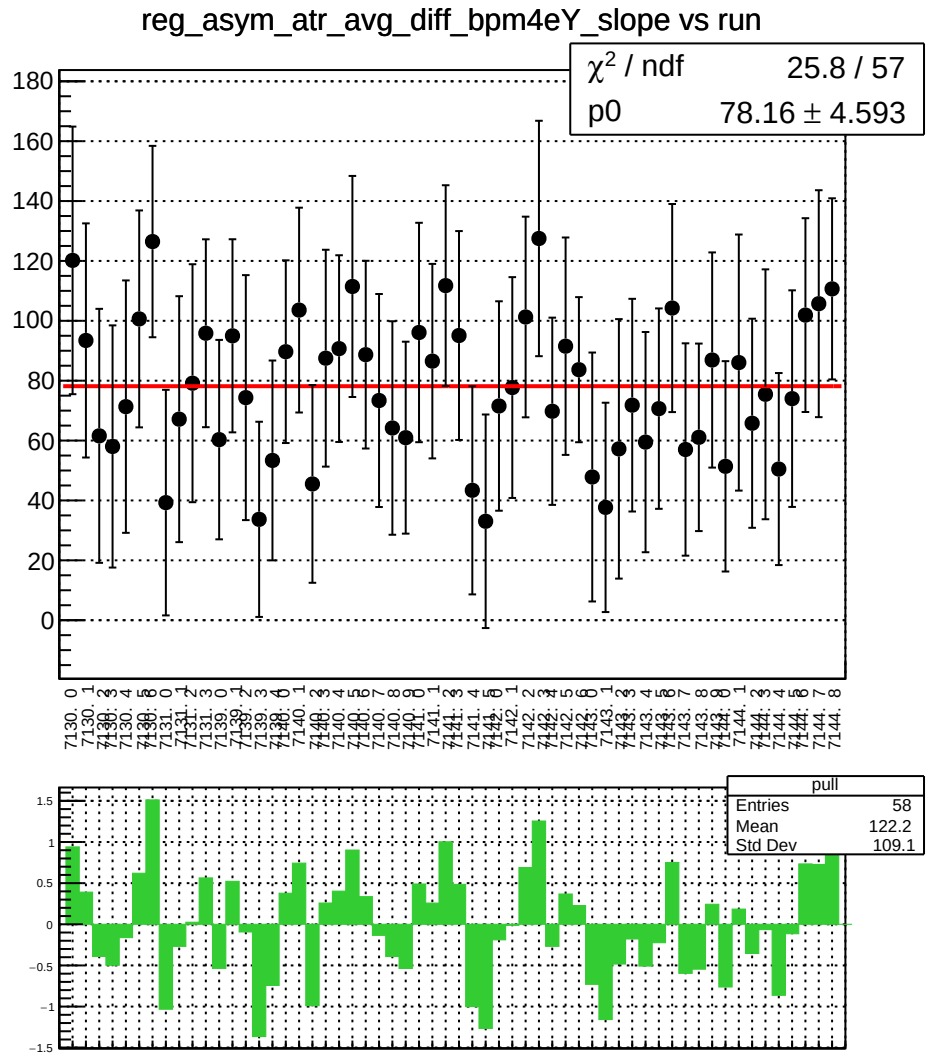

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 66.04 / 57
p0 −161.9 ± 4.735
pull
Entries 58
Mean 11.54
Std Dev 16.38
pull1D
Entries 58
Mean −0.1335
Std Dev 1.059

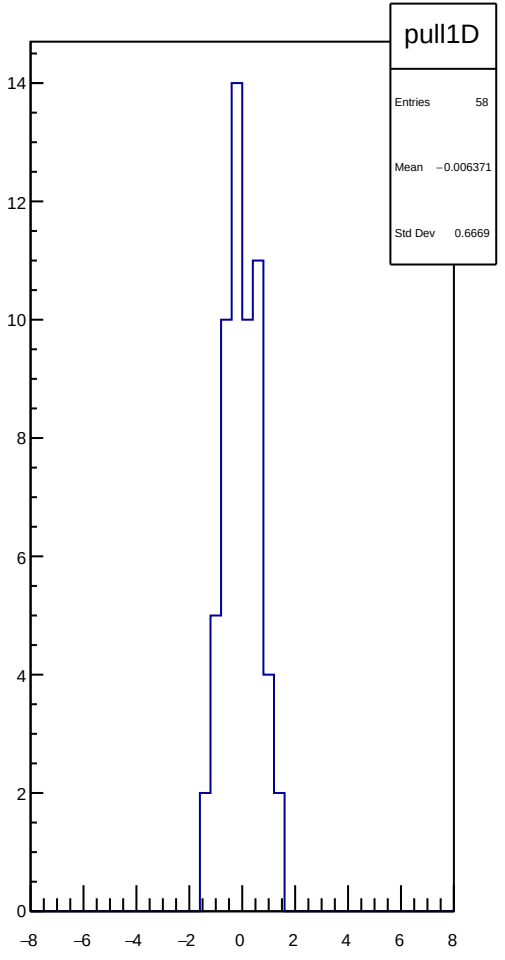

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.59 / 57
p0 −14.44 ± 4.287
pull
Entries 58
Mean −102.9
Std Dev 104.8

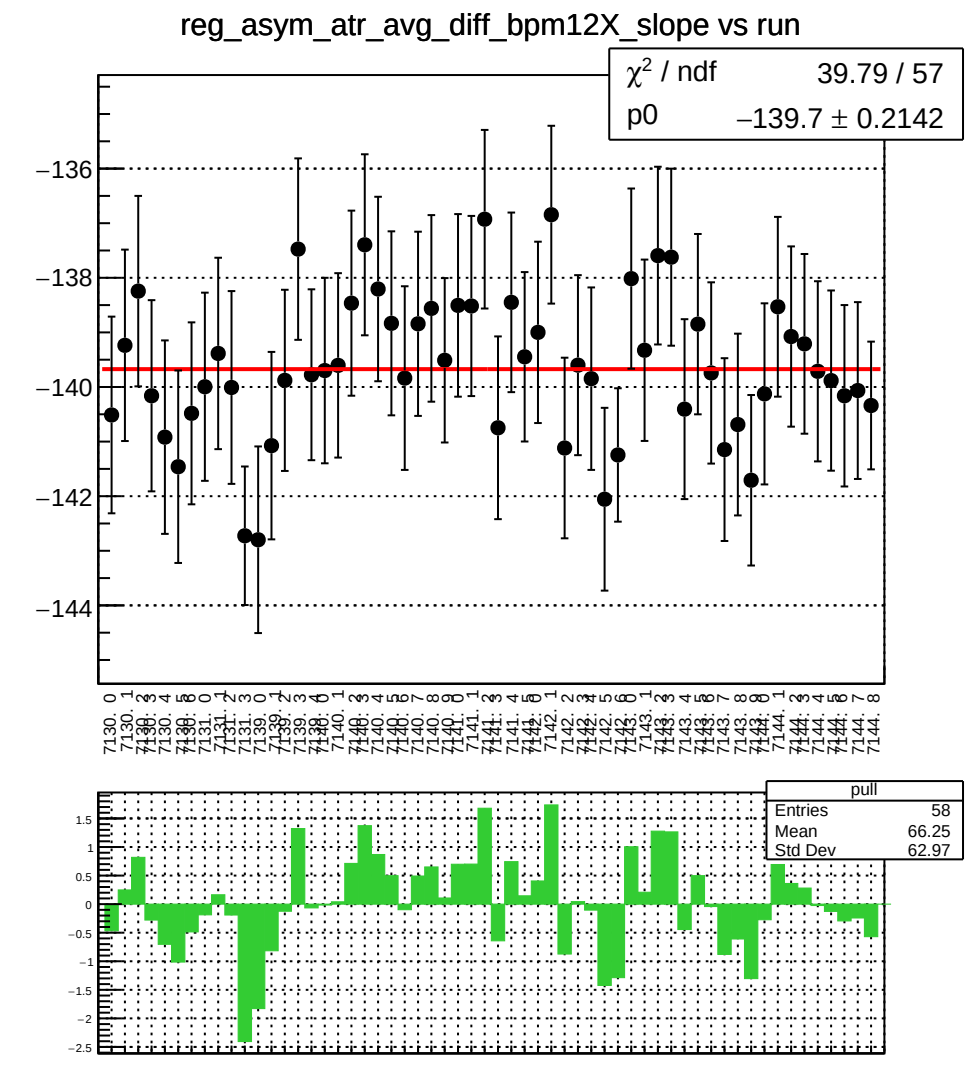

pull1D
Entries 58
Mean −0.003887
Std Dev 0.6511

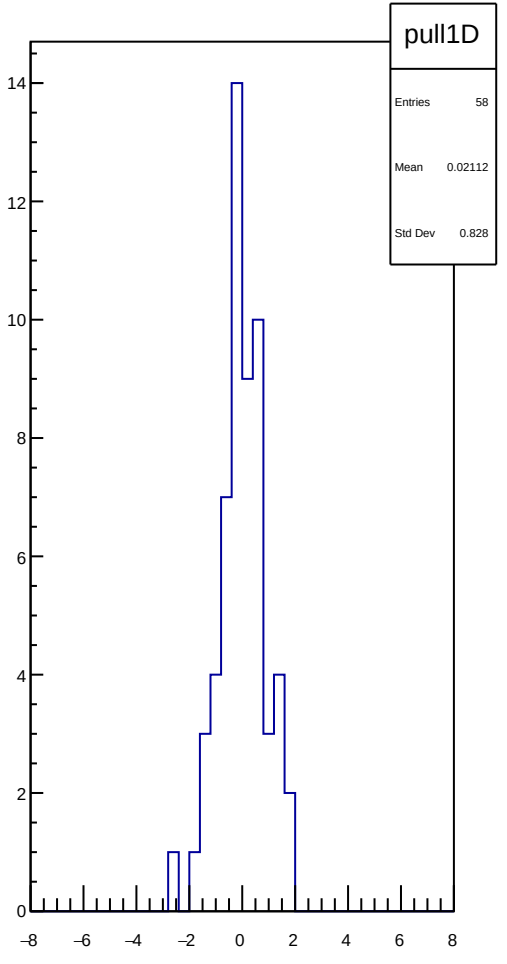

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 67.99 / 57
p0 183.7 ± 4.822
350
300
250
200
150
100
pull
Entries 58
Mean 11.5
Std Dev 16.36
2
1
0
−1
−2

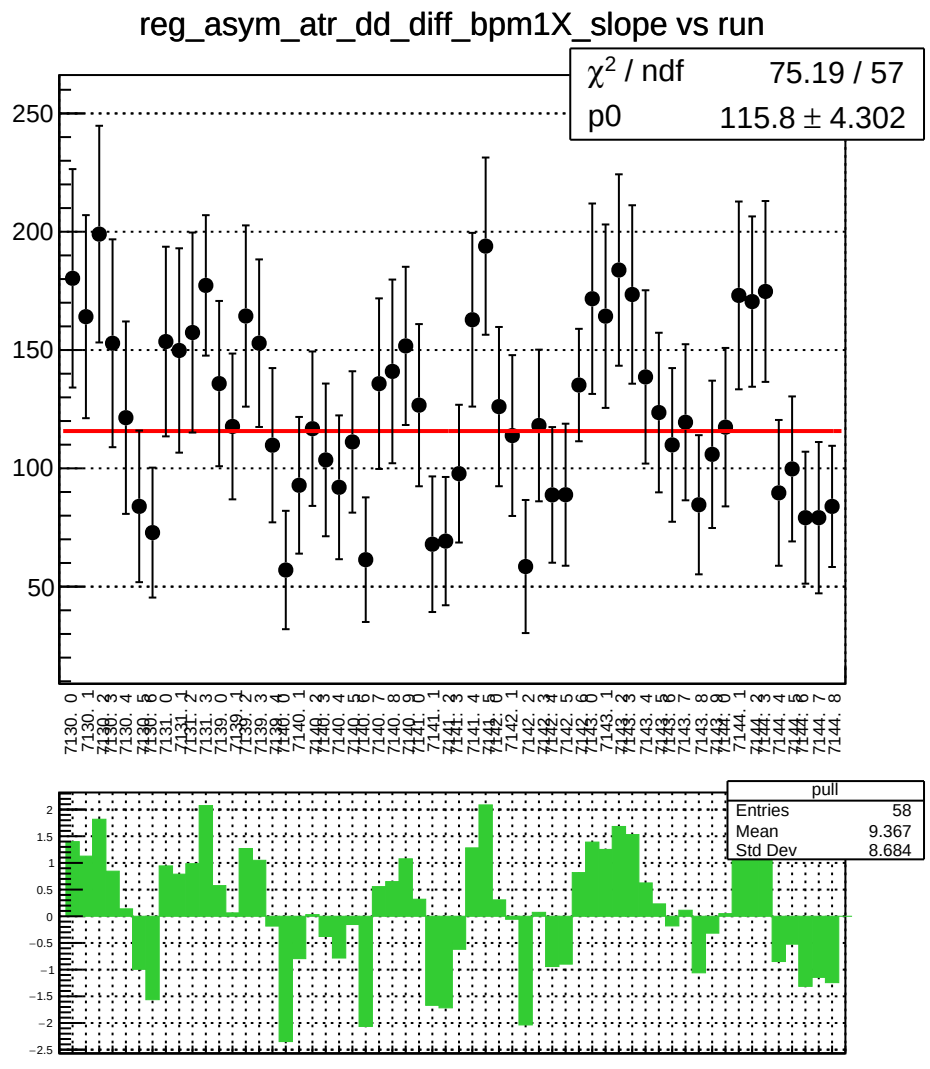

pull1D
Entries 58
Mean 0.1373
Std Dev 1.074
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

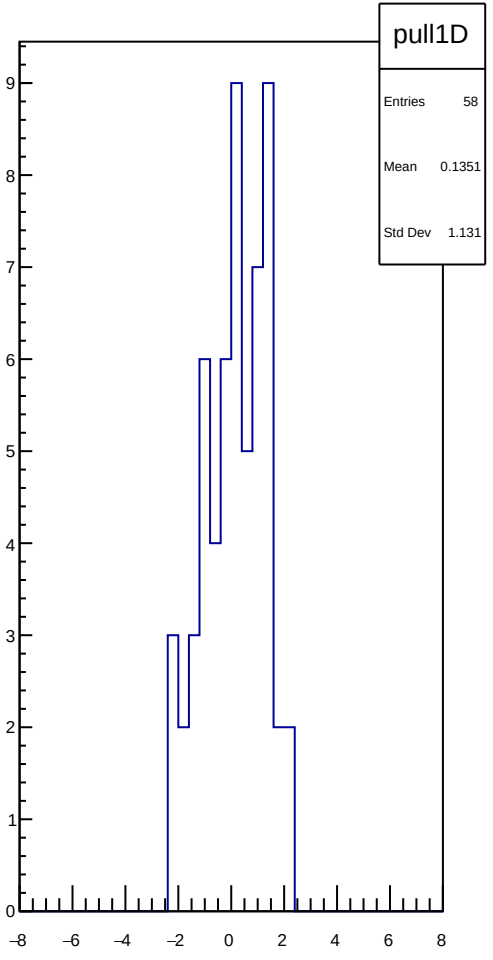

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.8 / 57
p0 78.16 ± 4.593
pull
Entries 58
Mean 122.2
Std Dev 109.1

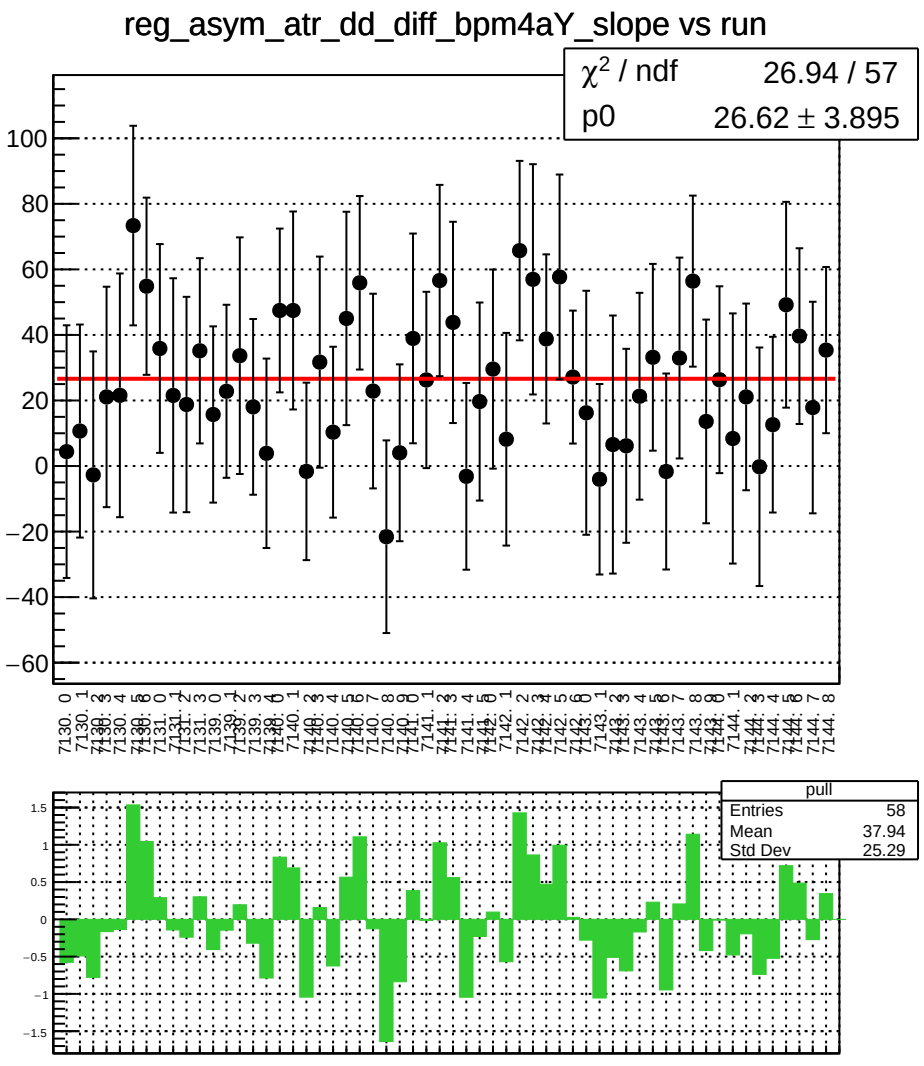

pull1D
Entries 58
Mean −0.006371
Std Dev 0.6669

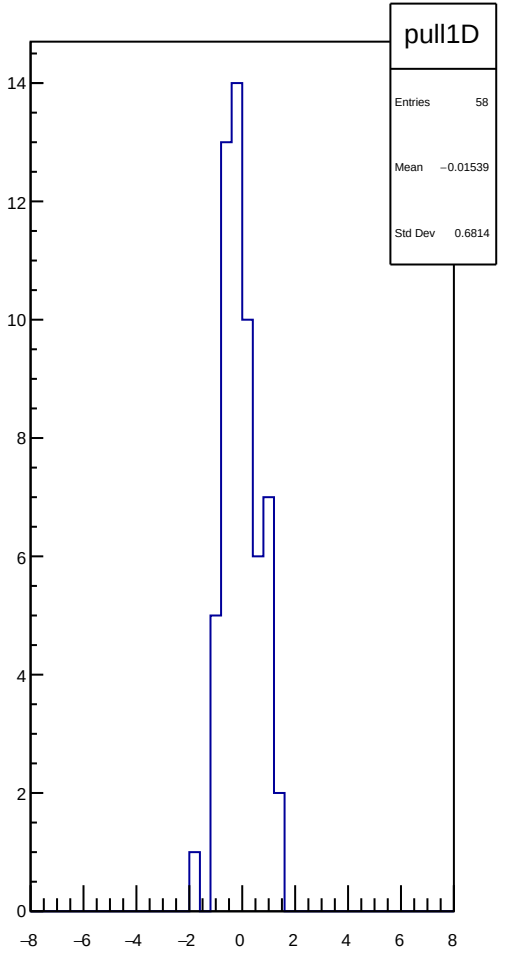

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 39.79 / 57
p0 −139.7 ± 0.2142
−136
−138
−140
−142
−144
pull
Entries 58
Mean 66.25
Std Dev 62.97
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

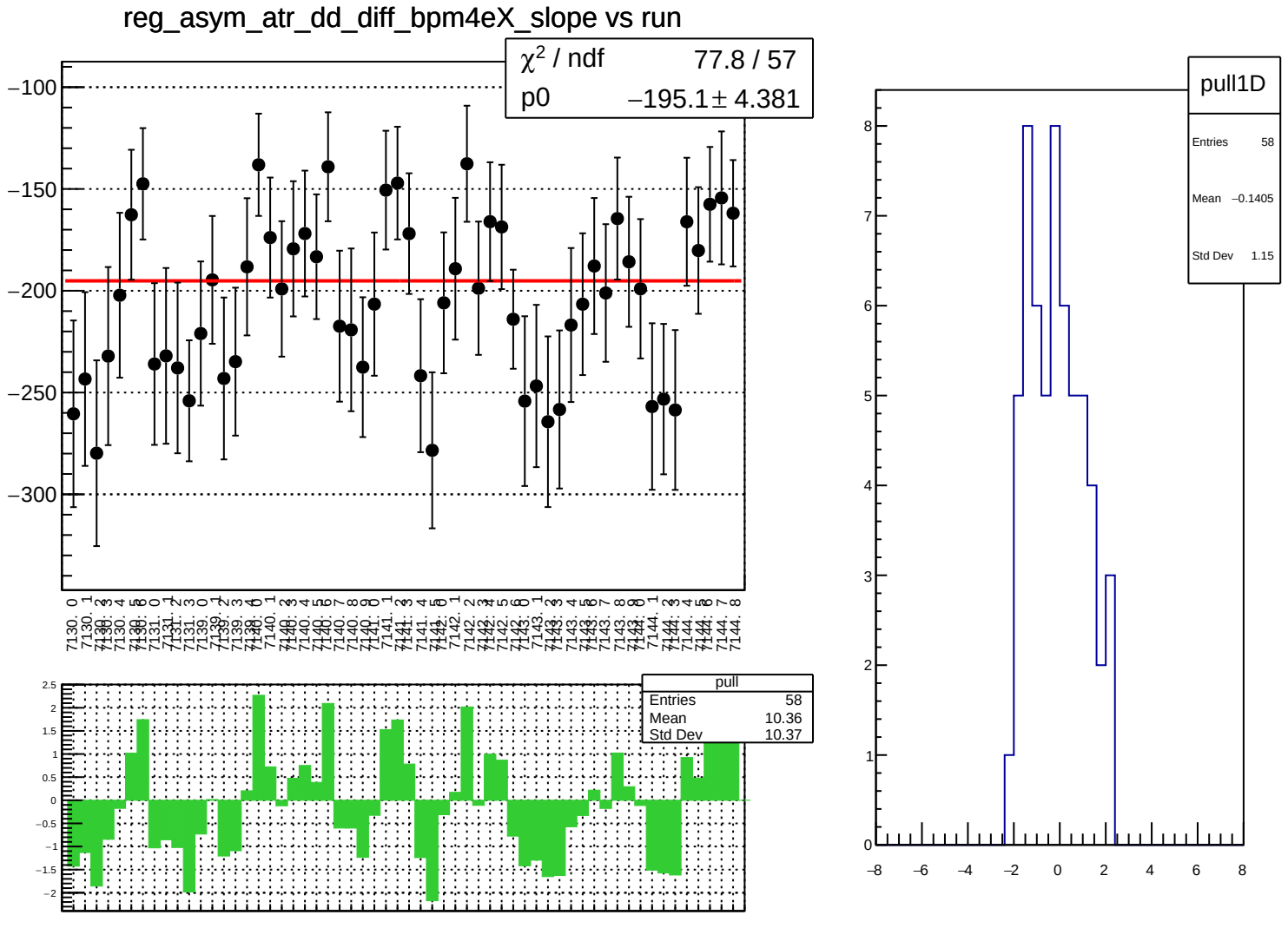

pull1D
Entries 58
Mean 0.02112
Std Dev 0.828
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

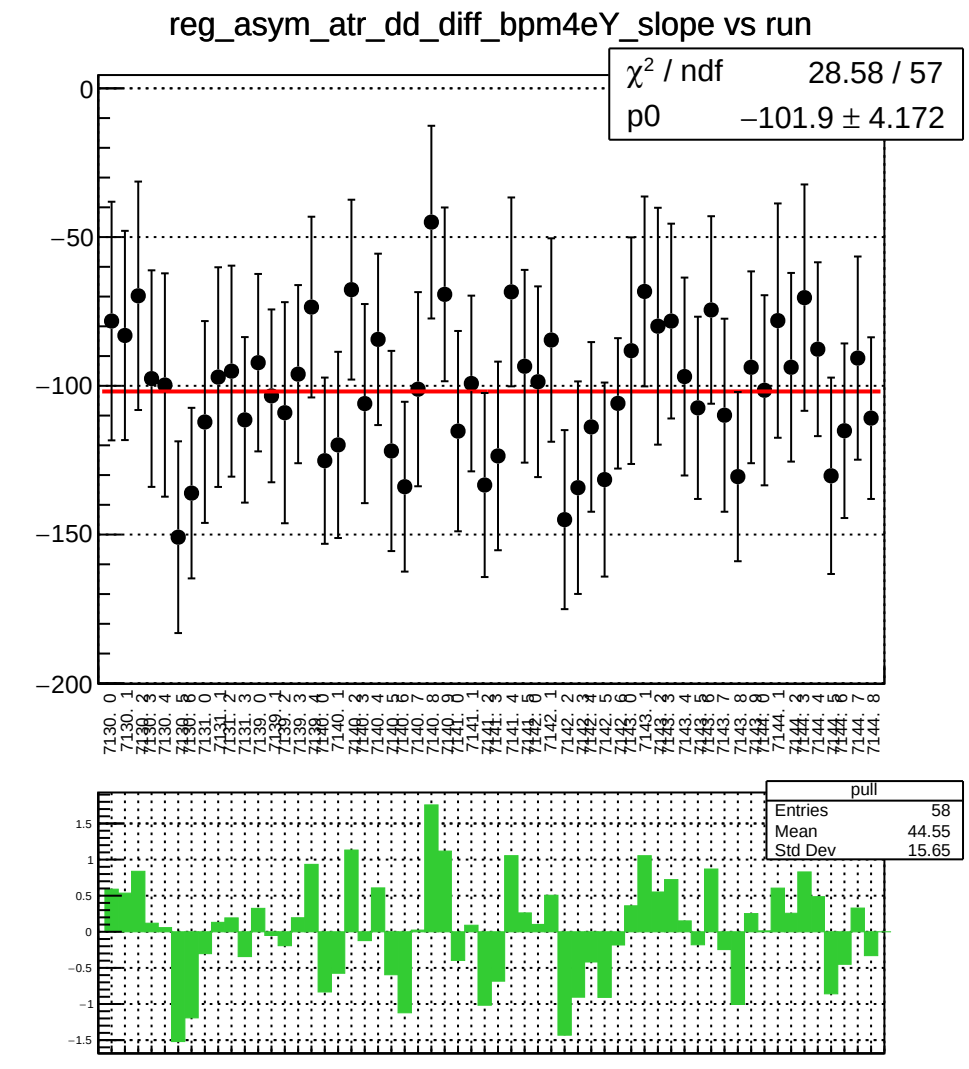

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 75.19 / 57
p0 115.8 ± 4.302
pull
Entries 58
Mean 9.367
Std Dev 8.684

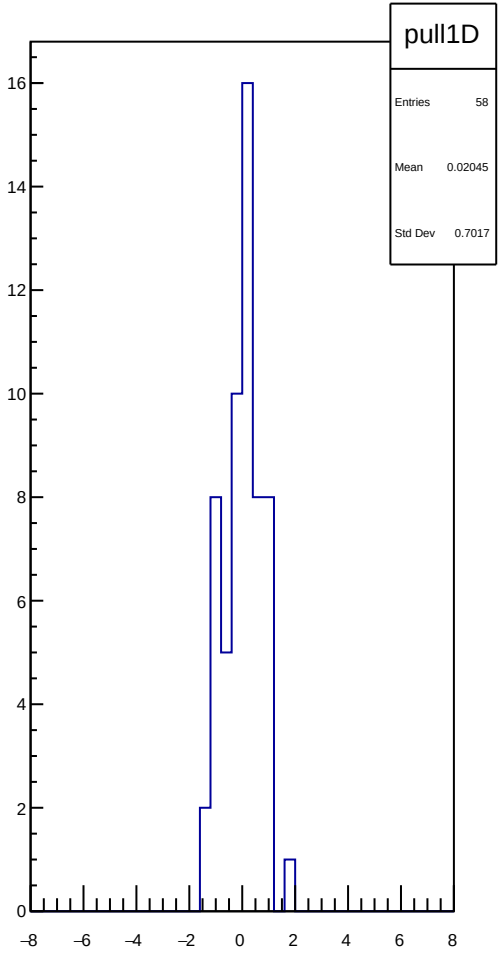

pull1D
Entries 58
Mean 0.1351
Std Dev 1.131

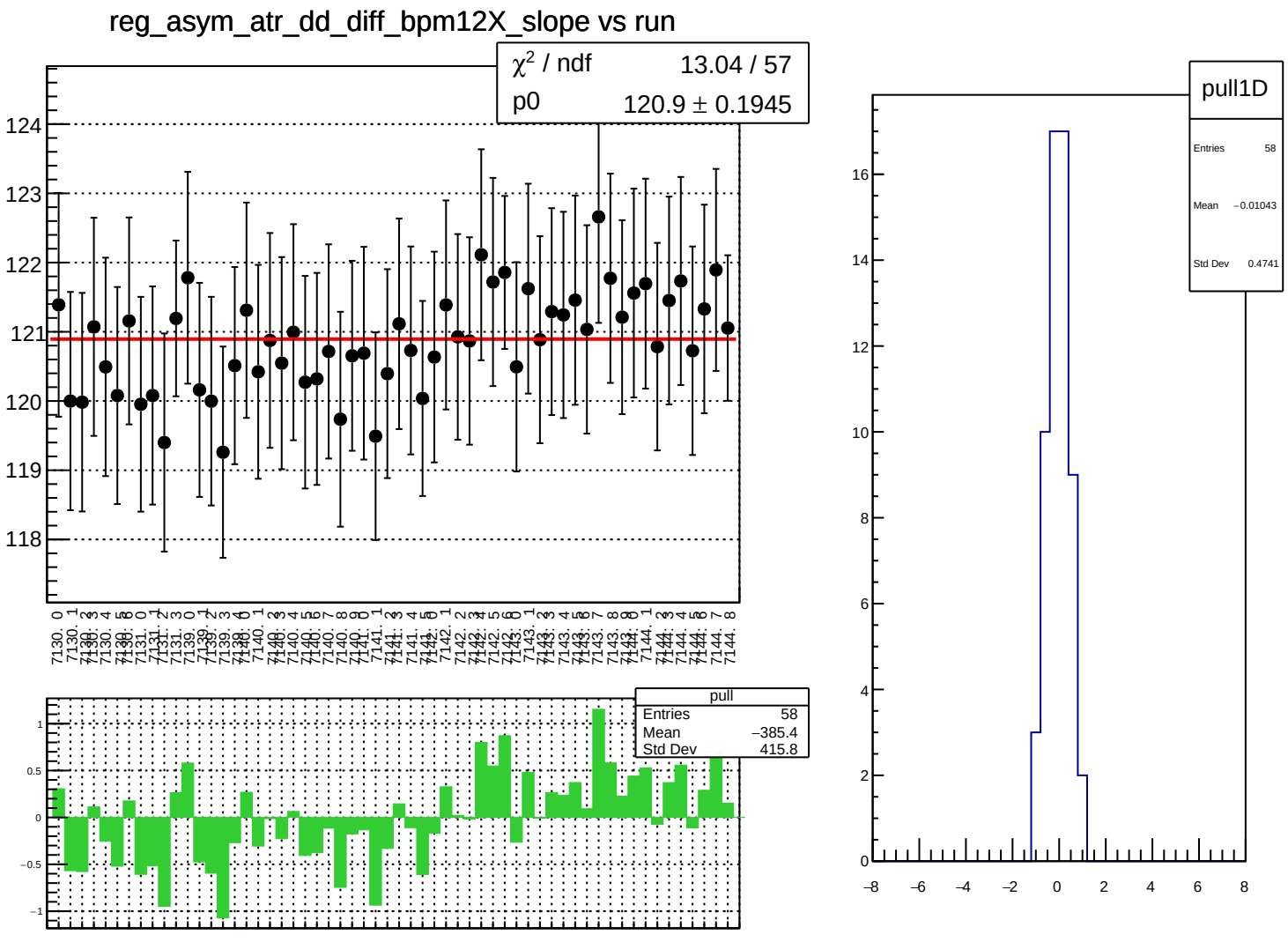

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.94 / 57
p0 26.62 ± 3.895
pull
Entries 58
Mean 37.94
Std Dev 25.29

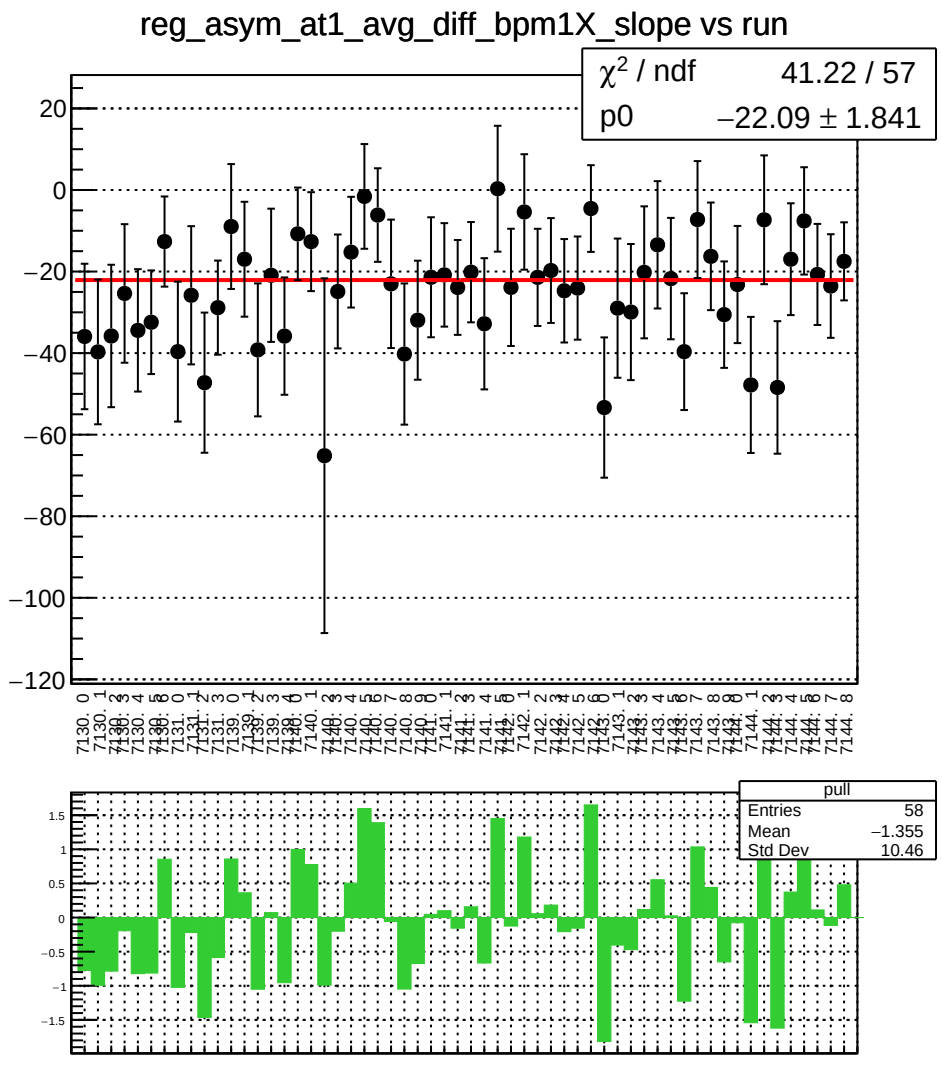

pull1D
Entries 58
Mean −0.01539
Std Dev 0.6814

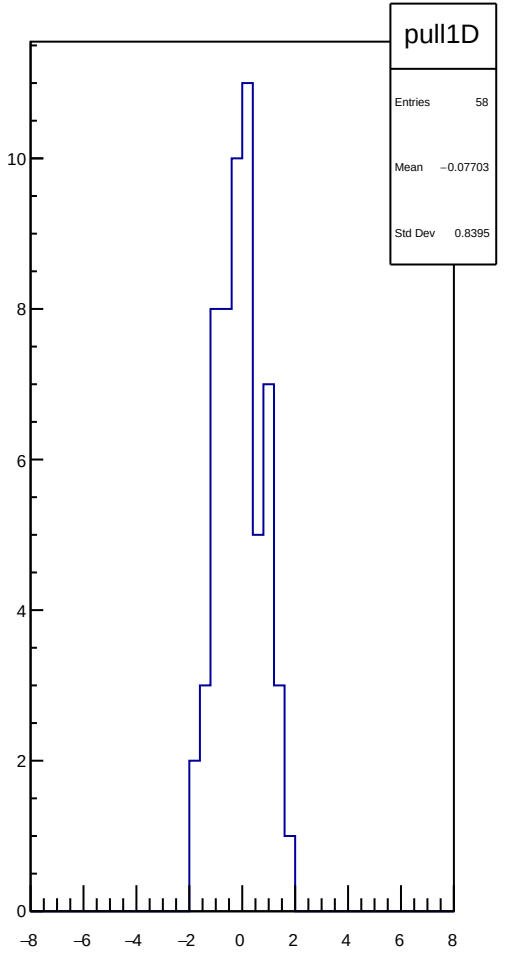

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 77.8 / 57
p0 −195.1 ± 4.381
−100
−150
−200
−250
−300
pull
Entries 58
Mean 10.36
Std Dev 10.37
pull1D
Entries 58
Mean −0.1405
Std Dev 1.15

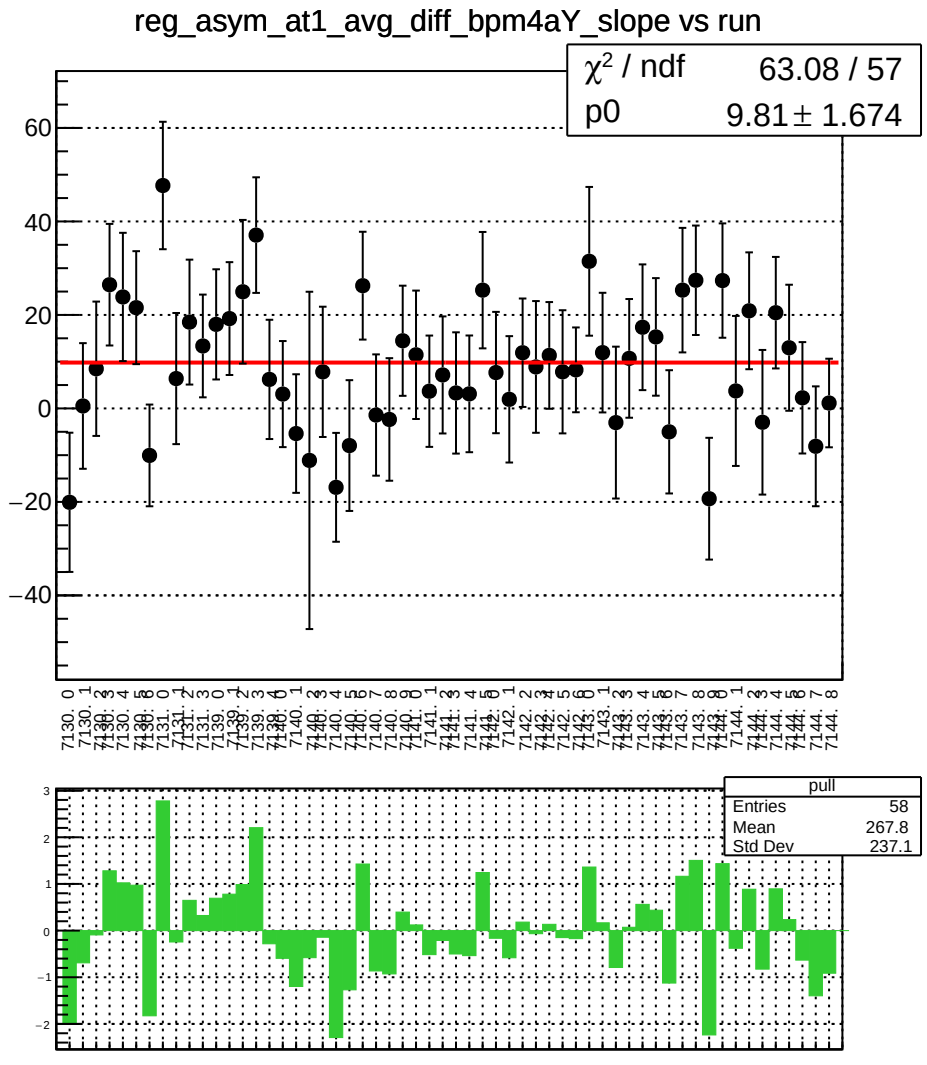

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.58 / 57
p0 −101.9 ± 4.172
pull
Entries 58
Mean 44.55
Std Dev 15.65

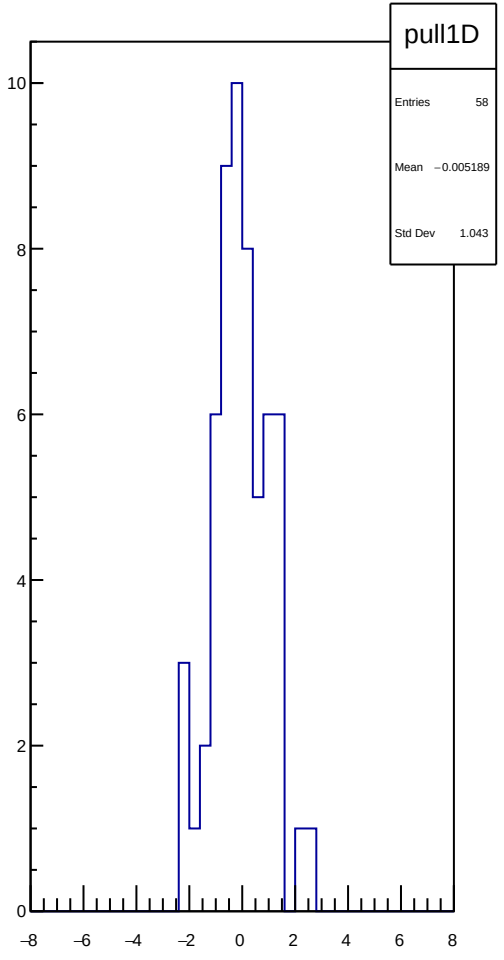

pull1D
Entries 58
Mean 0.02045
Std Dev 0.7017

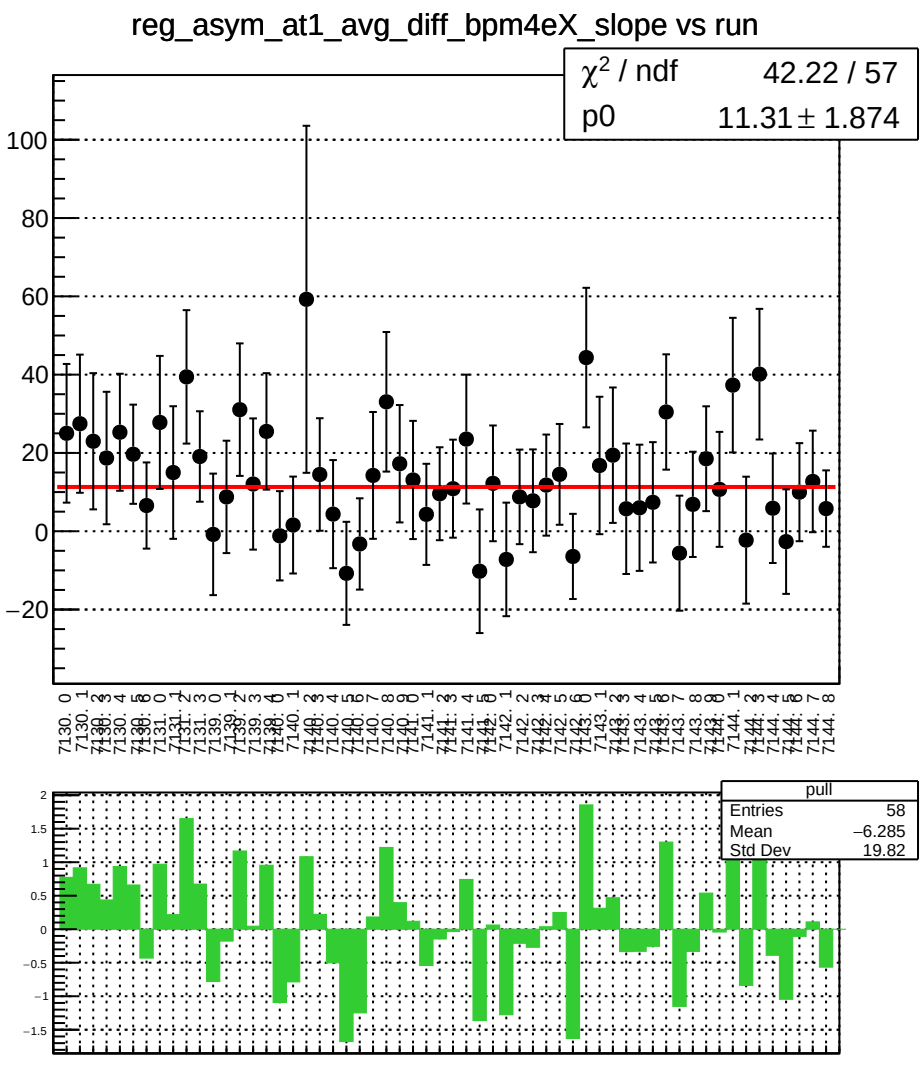

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 13.04 / 57
p0 120.9 ± 0.1945
pull
Entries 58
Mean −385.4
Std Dev 415.8
pull1D
Entries 58
Mean −0.01043
Std Dev 0.4741

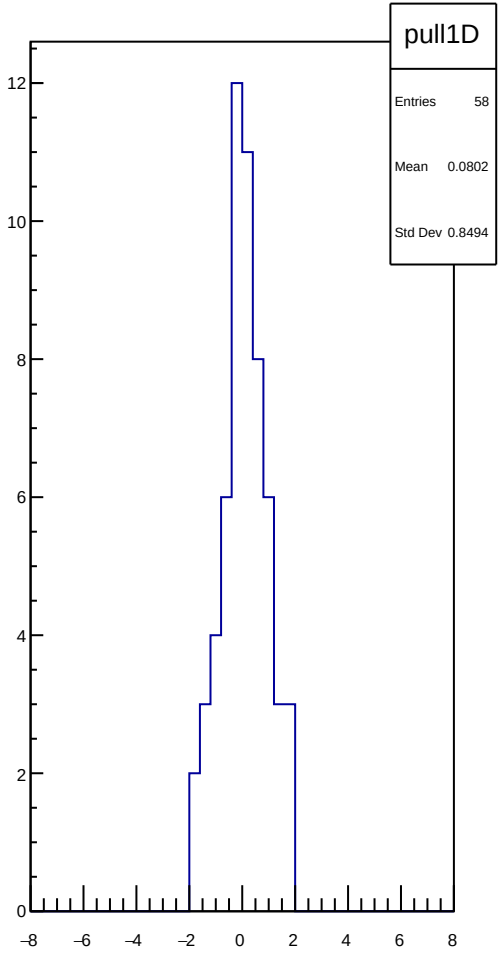

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 41.22 / 57
p0 −22.09 ± 1.841
pull
Entries 58
Mean −1.355
Std Dev 10.46

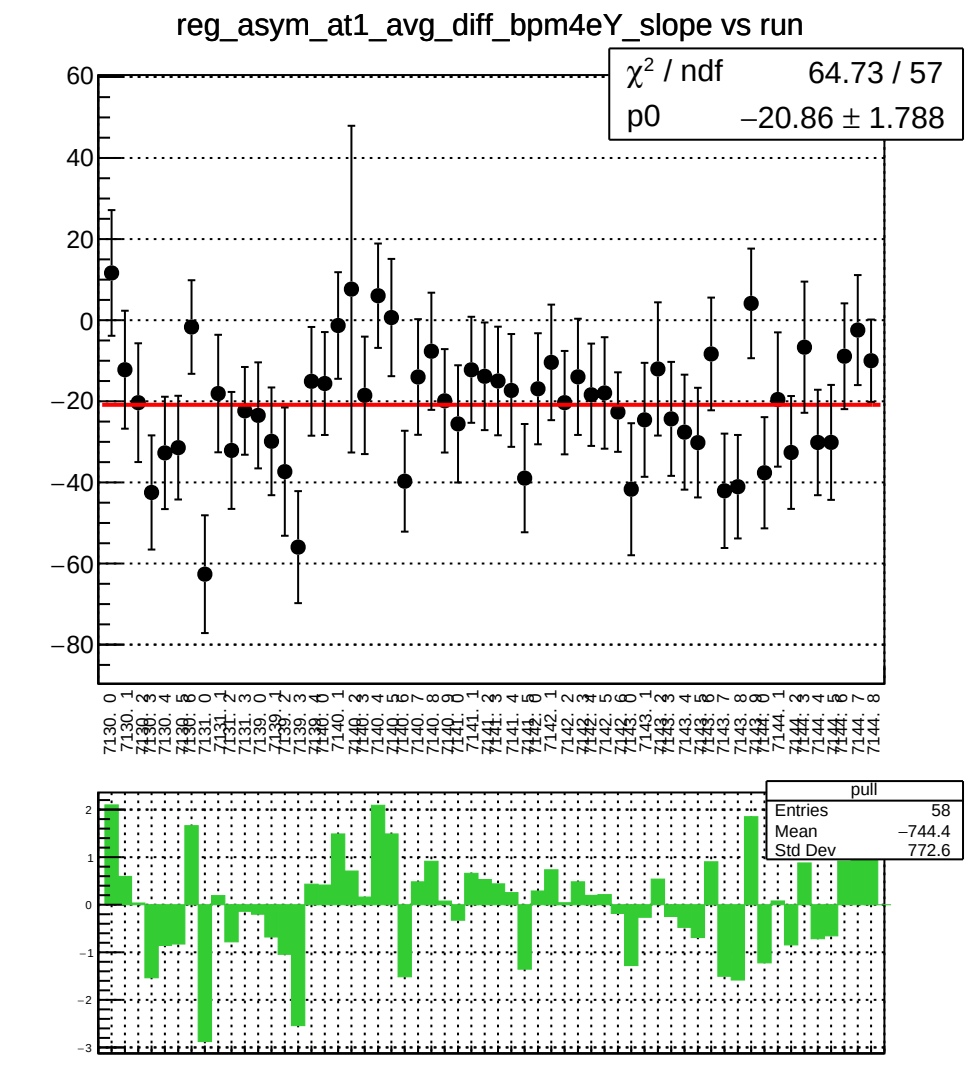

pull1D
Entries 58
Mean −0.07703
Std Dev 0.8395

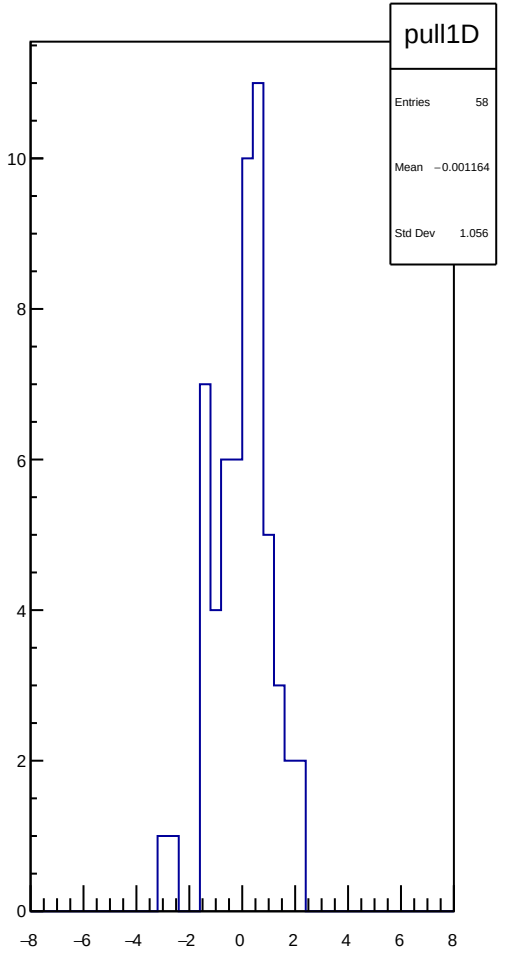

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.08 / 57
p0 9.81 ± 1.674
pull
Entries 58
Mean 267.8
Std Dev 237.1

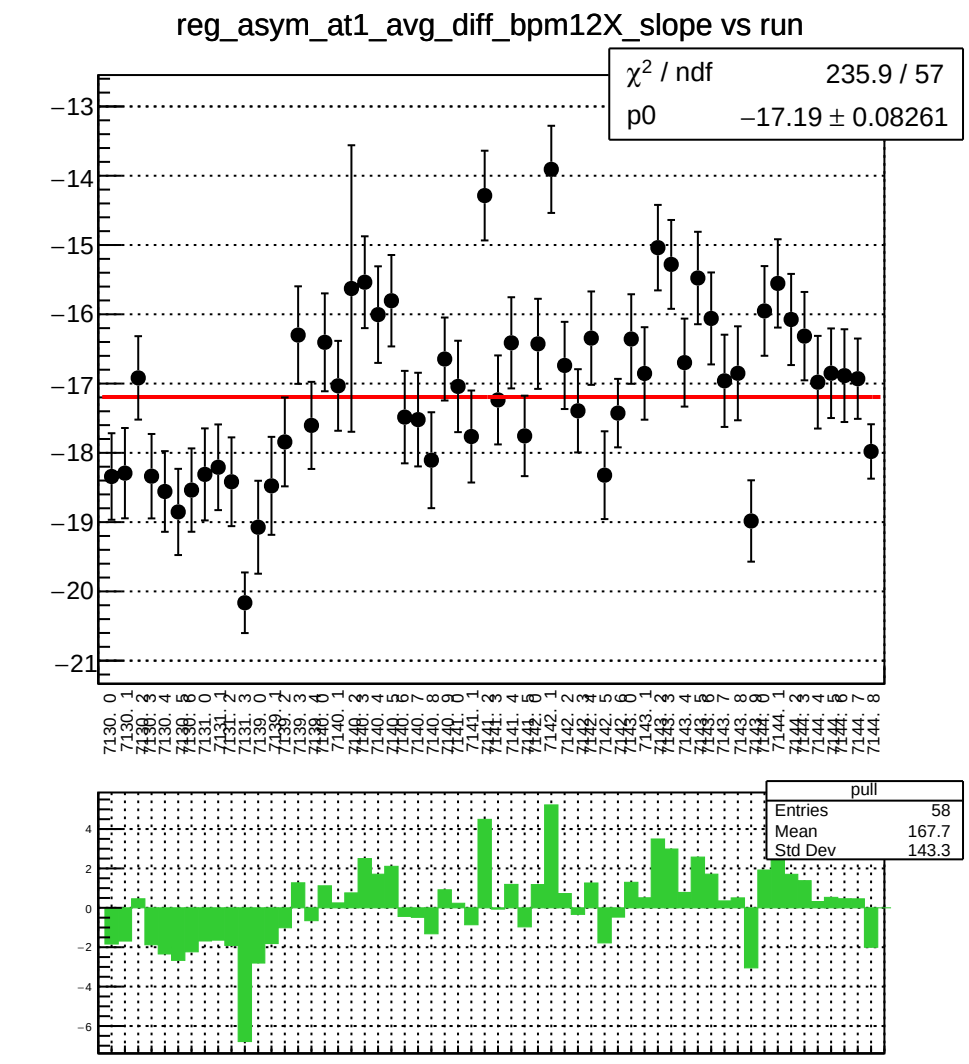

pull1D
Entries 58
Mean −0.005189
Std Dev 1.043

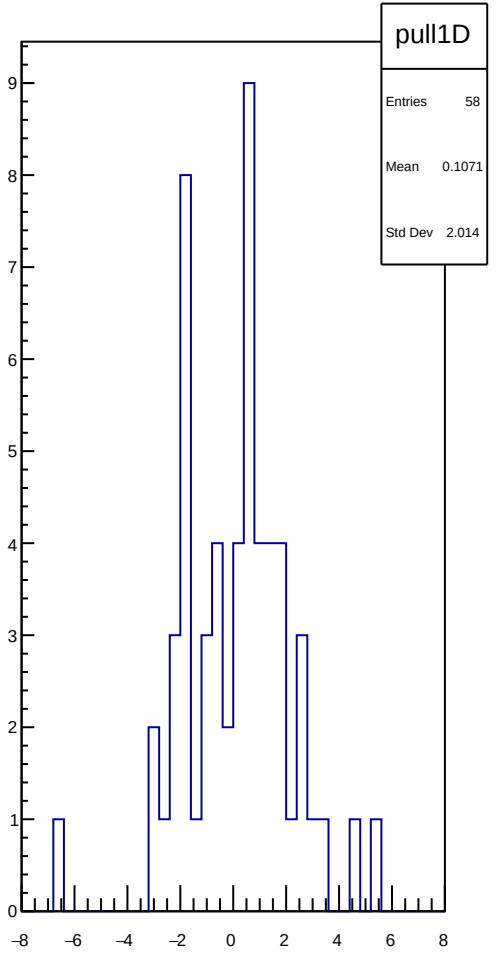

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.22 / 57
p0 11.31 ± 1.874
pull
Entries 58
Mean −6.285
Std Dev 19.82

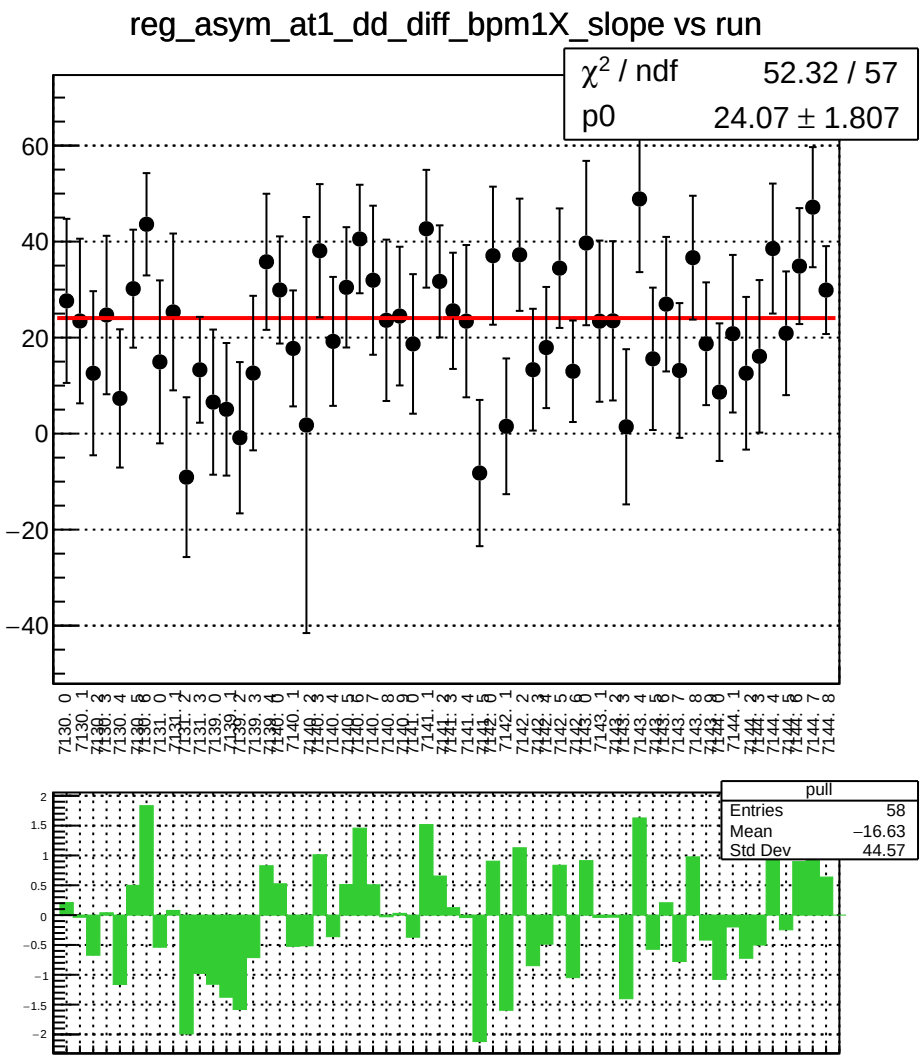

pull1D
Entries 58
Mean 0.0802
Std Dev 0.8494

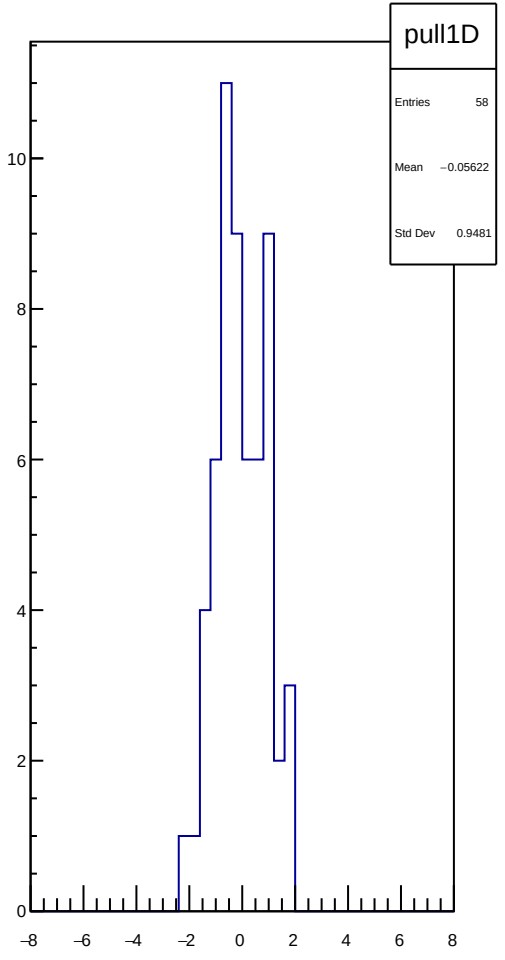

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.73 / 57
p0 −20.86 ± 1.788
pull
Entries 58
Mean −744.4
Std Dev 772.6

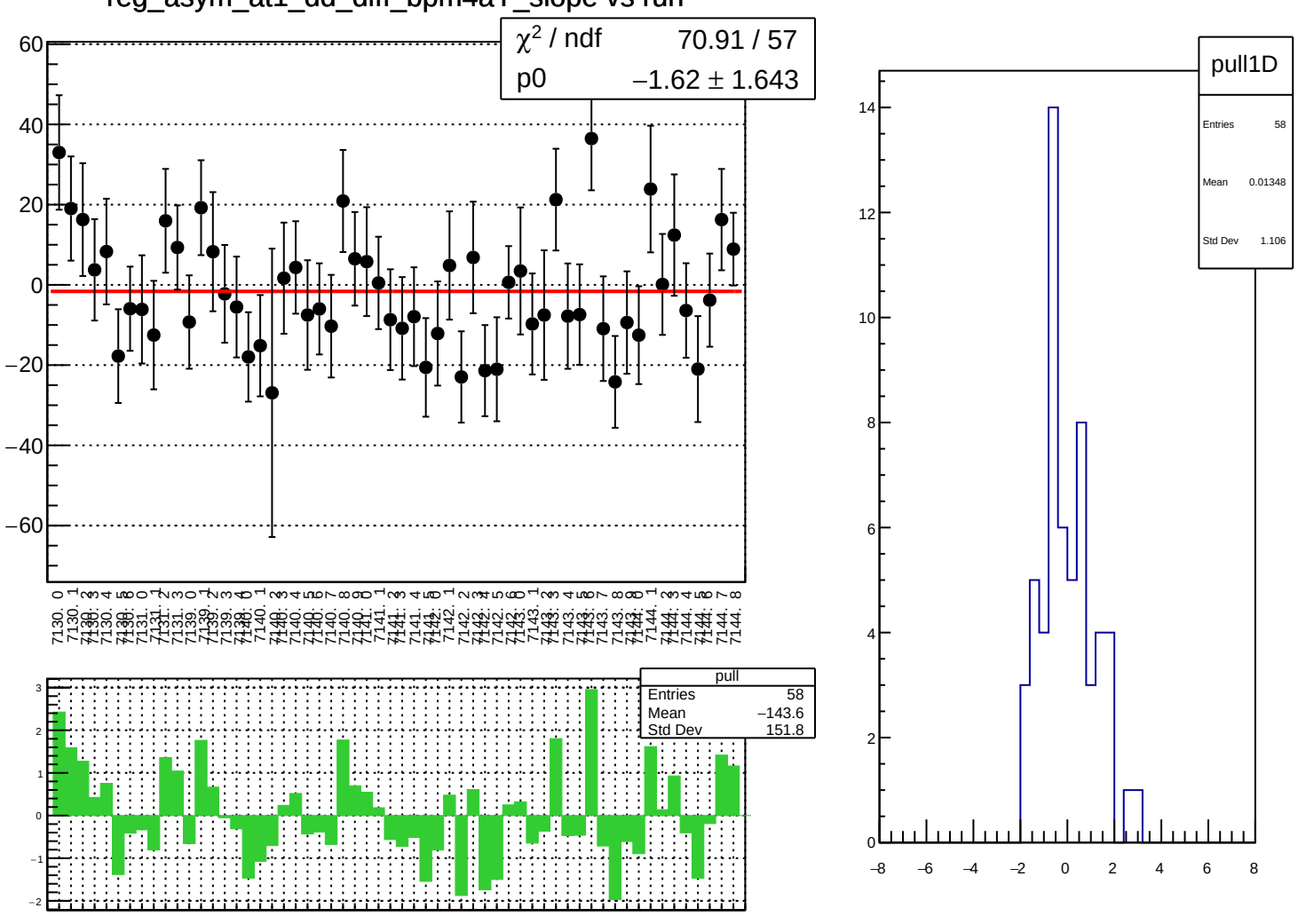

pull1D
Entries 58
Mean −0.001164
Std Dev 1.056

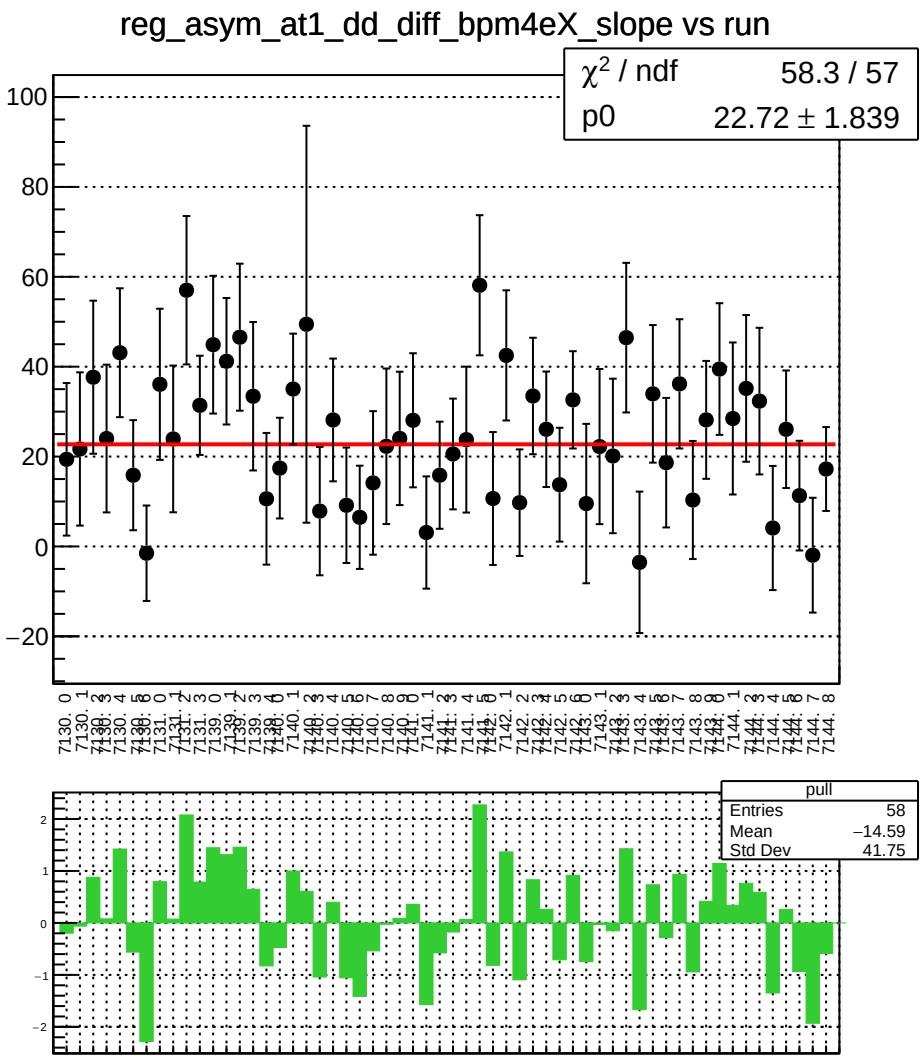

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 235.9 / 57
p0 −17.19 ± 0.08261
pull
Entries 58
Mean 167.7
Std Dev 143.3

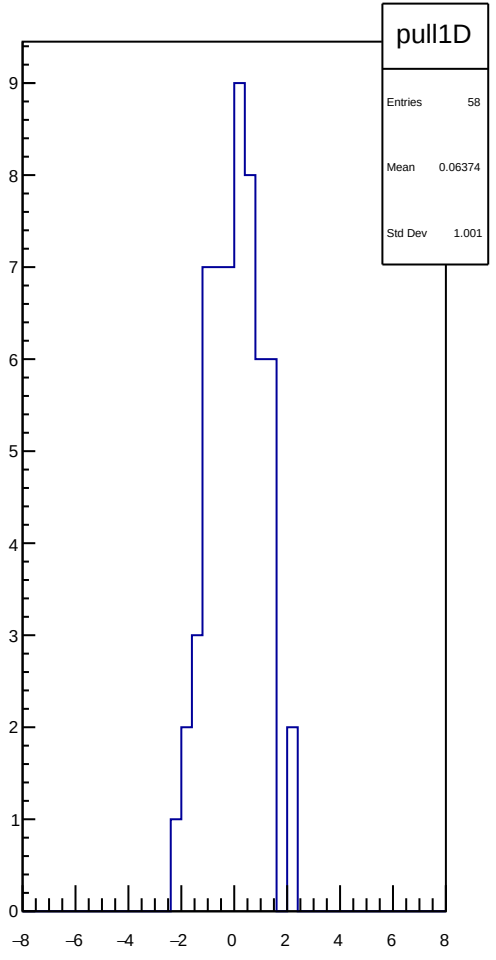

pull1D
Entries 58
Mean 0.1071
Std Dev 2.014

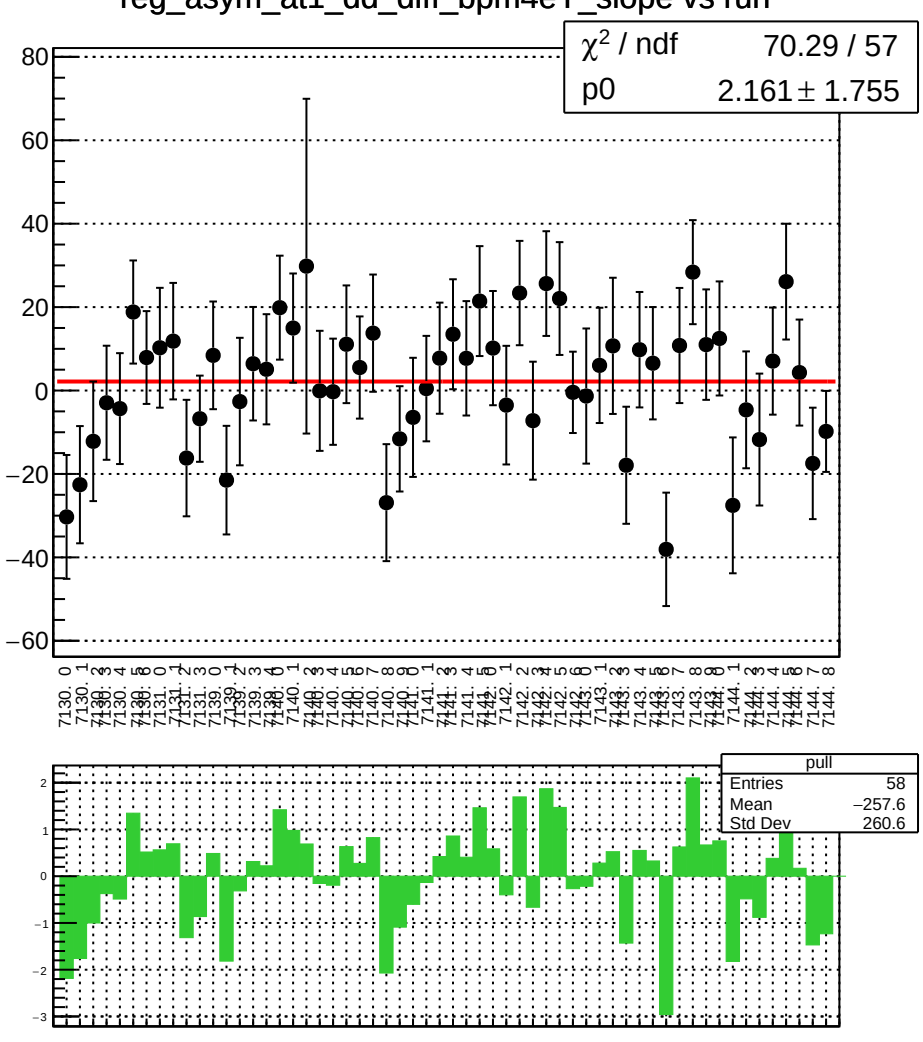

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 52.32 / 57
p0 24.07 ± 1.807
pull
Entries 58
Mean −16.63
Std Dev 44.57

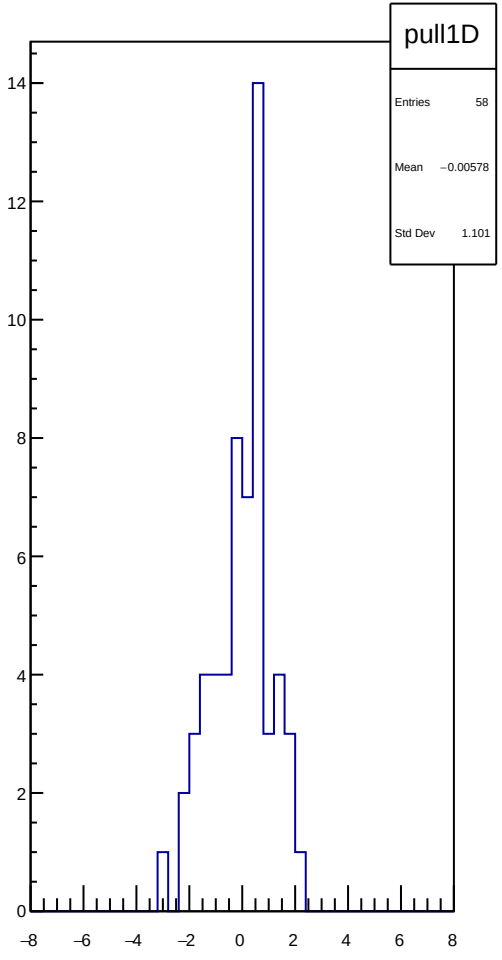

pull1D
Entries 58
Mean −0.05622
Std Dev 0.9481

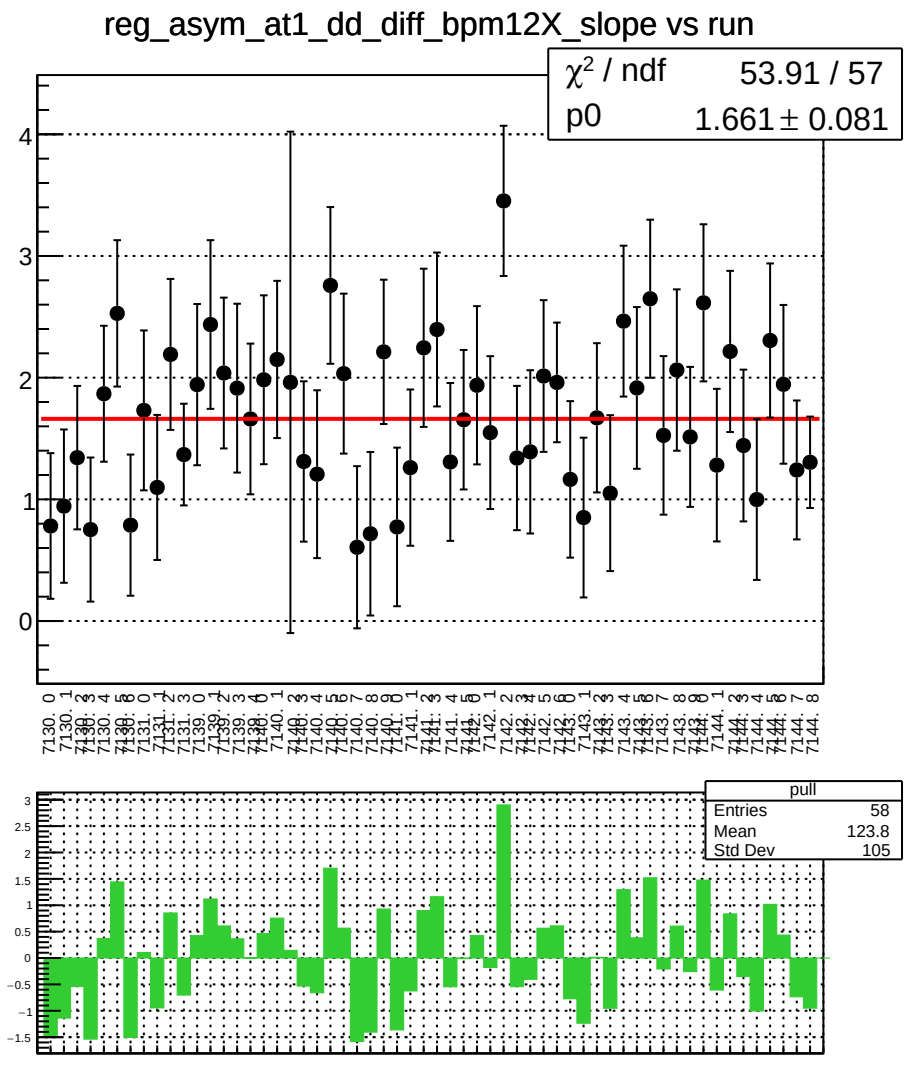

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.91 / 57
p0 −1.62 ± 1.643
pull
Entries 58
Mean −143.6
Std Dev 151.8
pull1D
Entries 58
Mean 0.01348
Std Dev 1.106

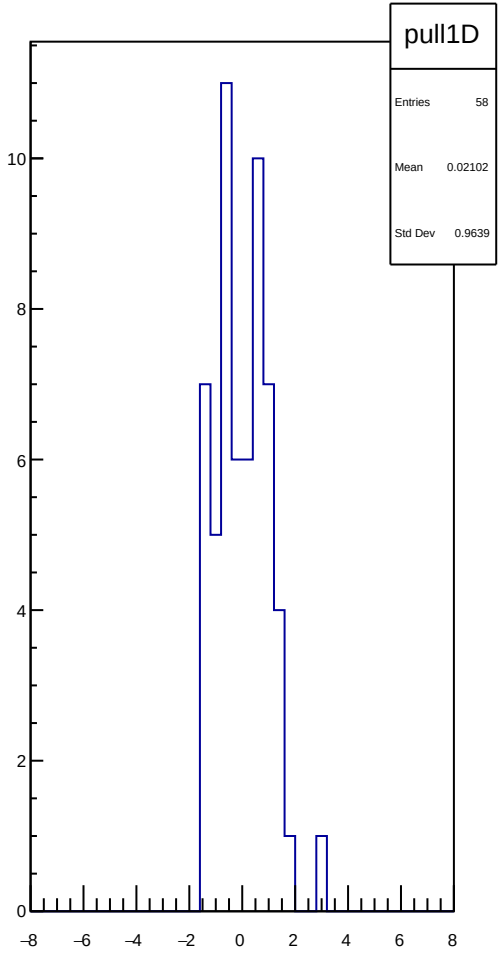

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 58.3 / 57
p0 22.72 ± 1.839
pull
Entries 58
Mean −14.59
Std Dev 41.75

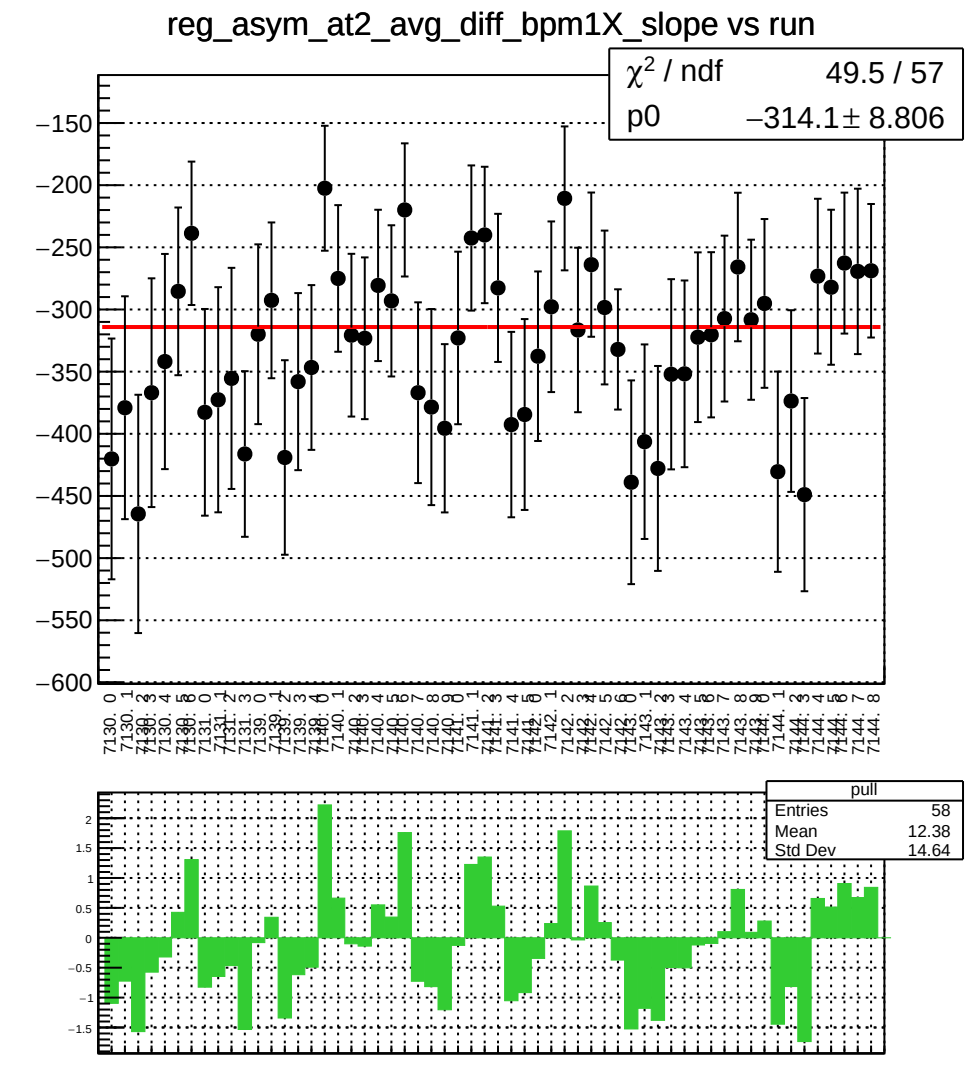

pull1D
Entries 58
Mean 0.06374
Std Dev 1.001

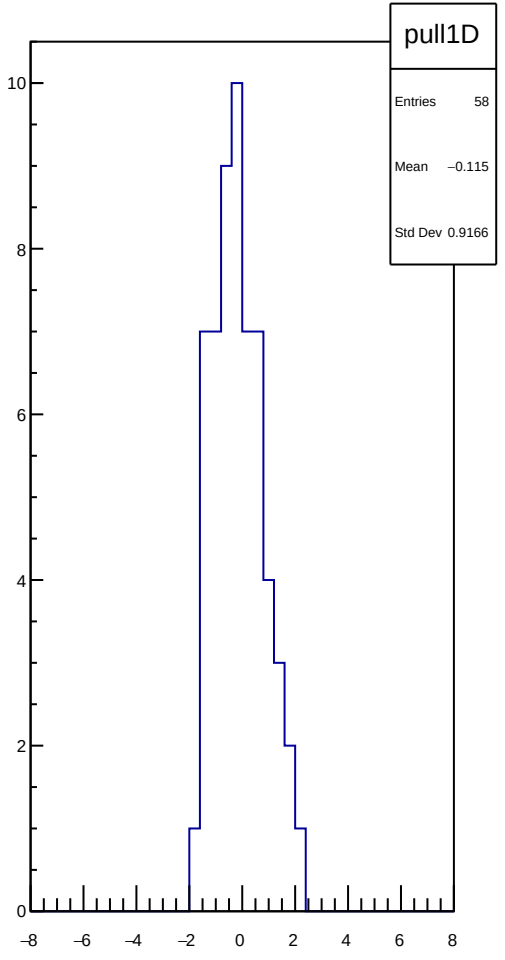

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.29 / 57
p0 2.161 ± 1.755
pull
Entries 58
Mean −257.6
Std Dev 260.6

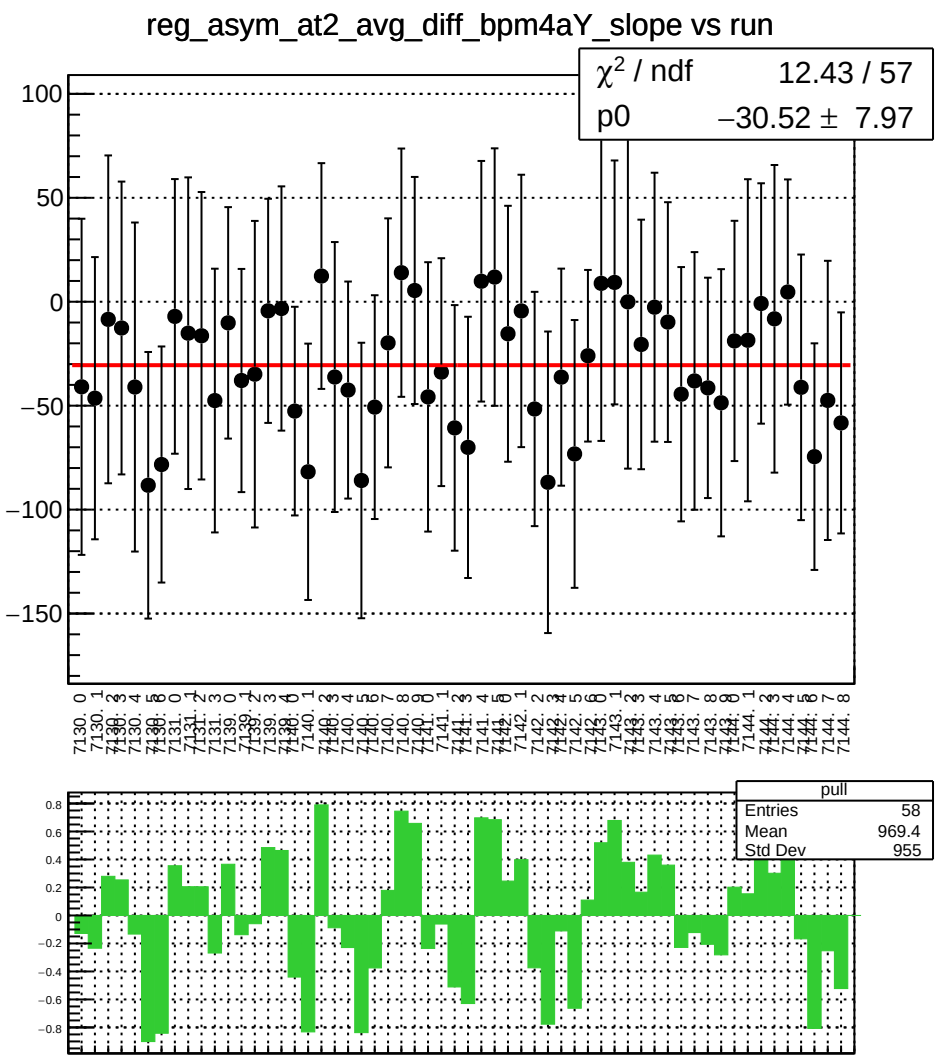

pull1D
Entries 58
Mean −0.00578
Std Dev 1.101

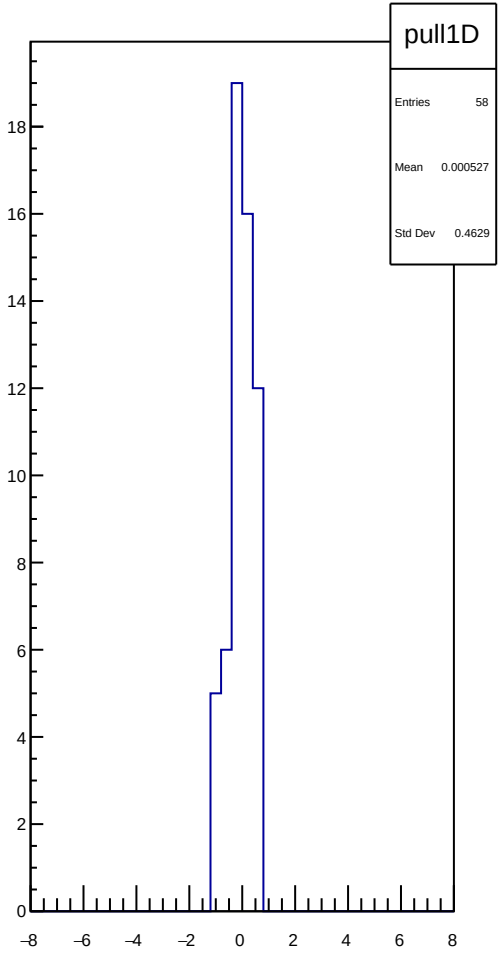

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 53.91 / 57
p0 1.661 ± 0.081
pull
Entries 58
Mean 123.8
Std Dev 105

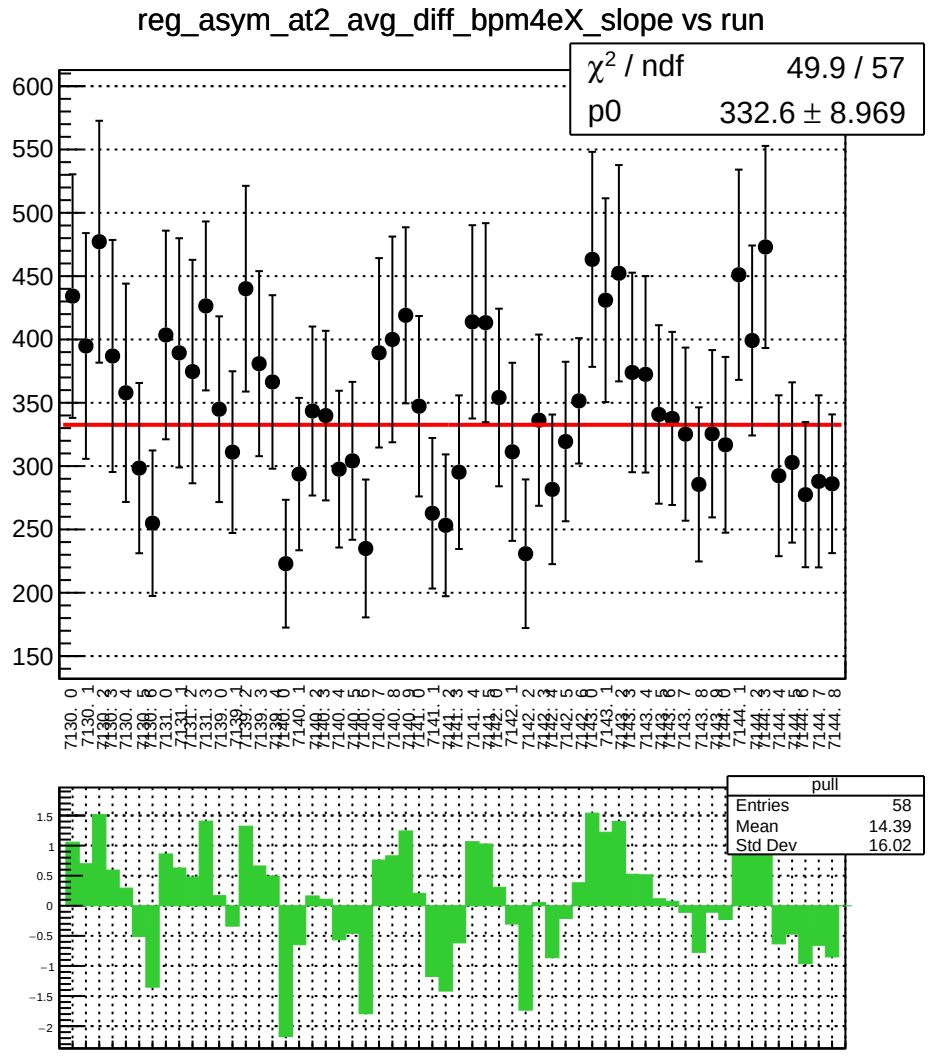

pull1D
Entries 58
Mean 0.02102
Std Dev 0.9639

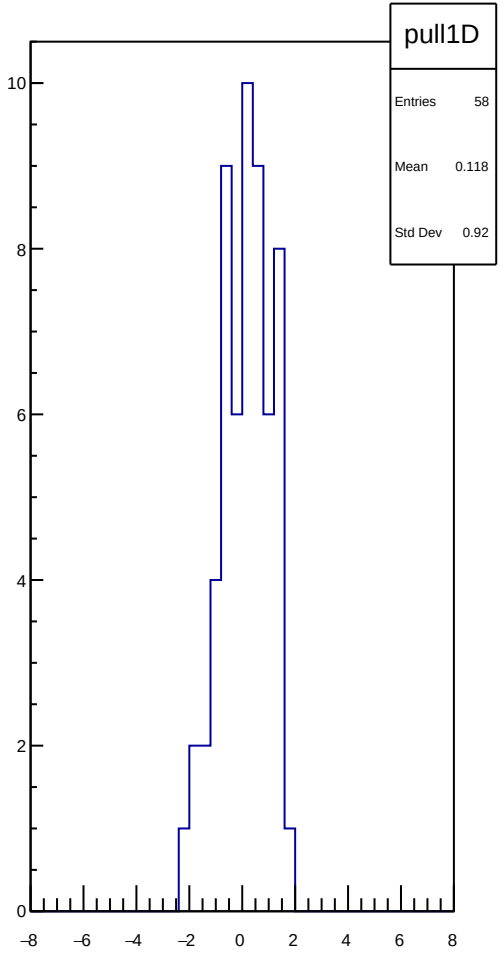

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 49.5 / 57
p0 −314.1 ± 8.806
pull
Entries 58
Mean 12.38
Std Dev 14.64

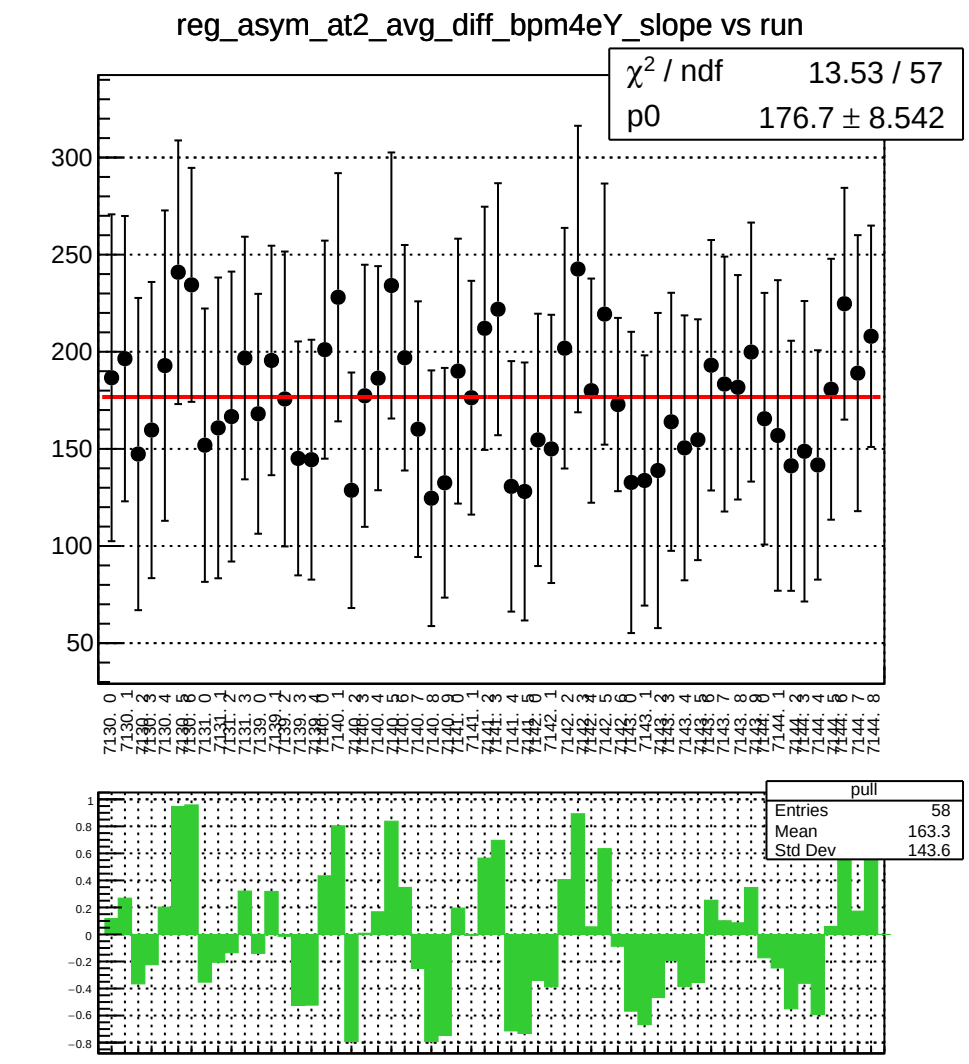

pull1D
Entries 58
Mean −0.115
Std Dev 0.9166

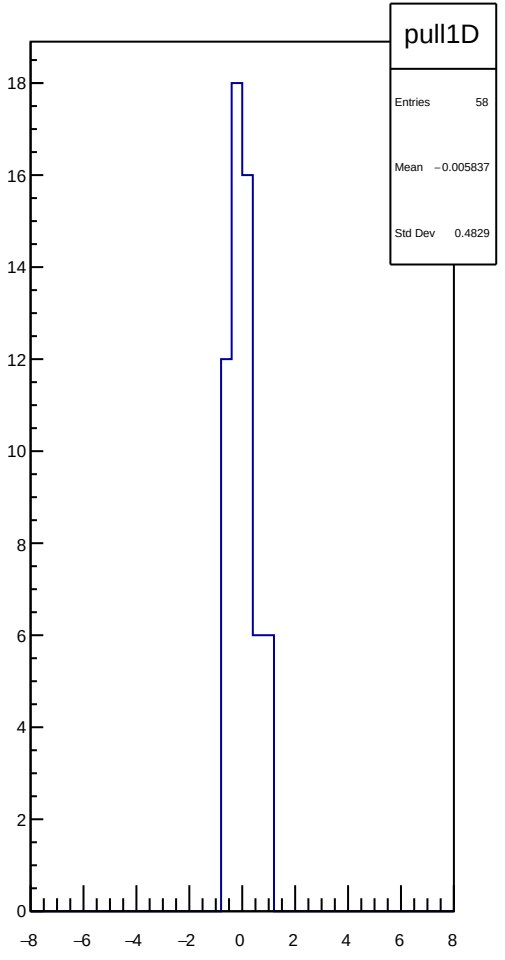

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.43 / 57
p0 −30.52 ± 7.97
pull
Entries 58
Mean 969.4
Std Dev 955

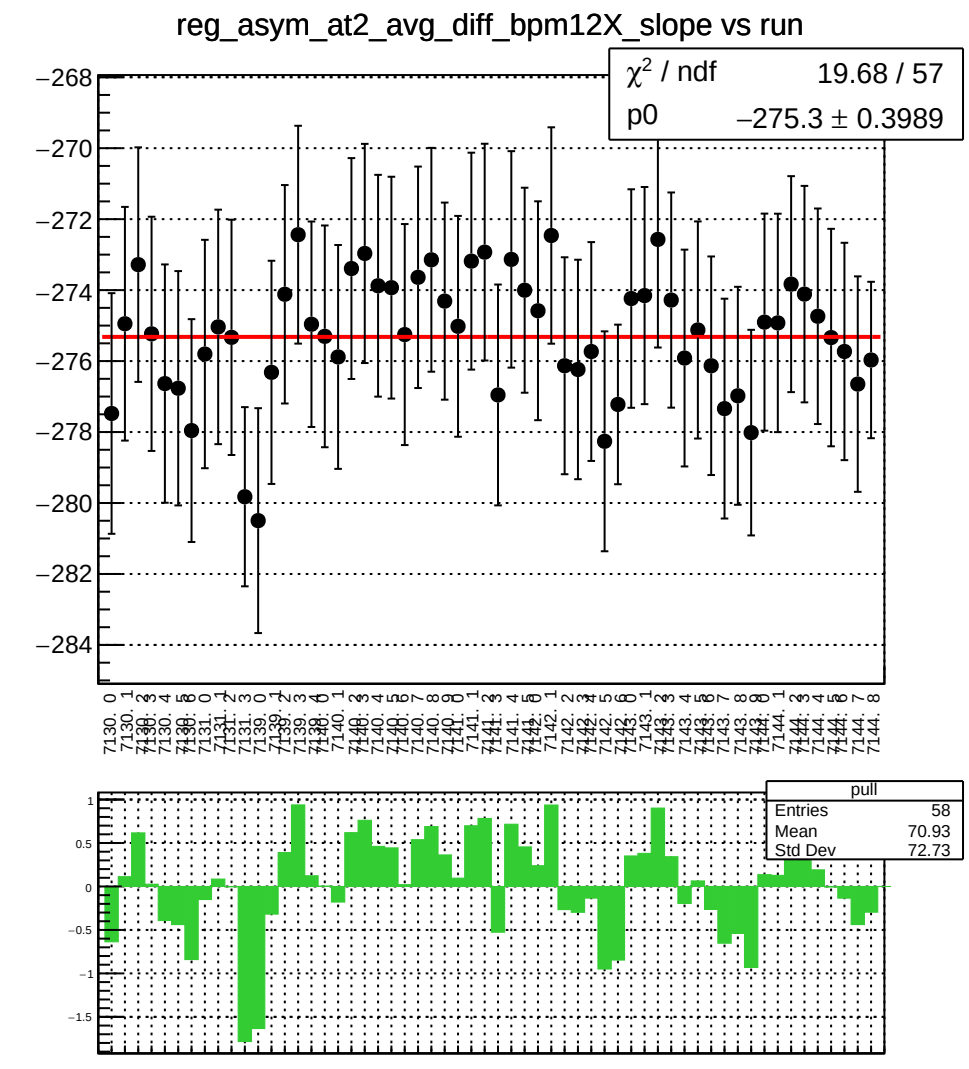

pull1D
Entries 58
Mean 0.000527
Std Dev 0.4629

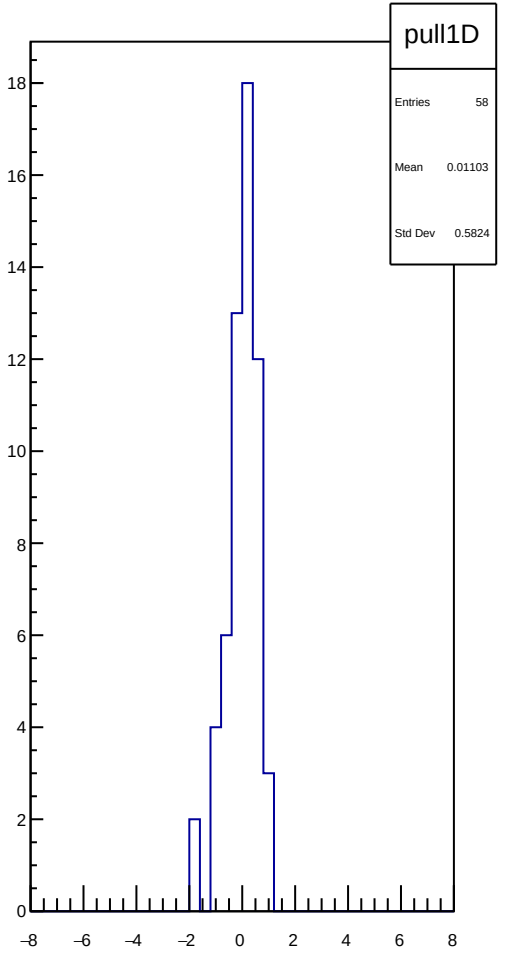

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.9 / 57
p0 332.6 ± 8.969
pull
Entries 58
Mean 14.39
Std Dev 16.02

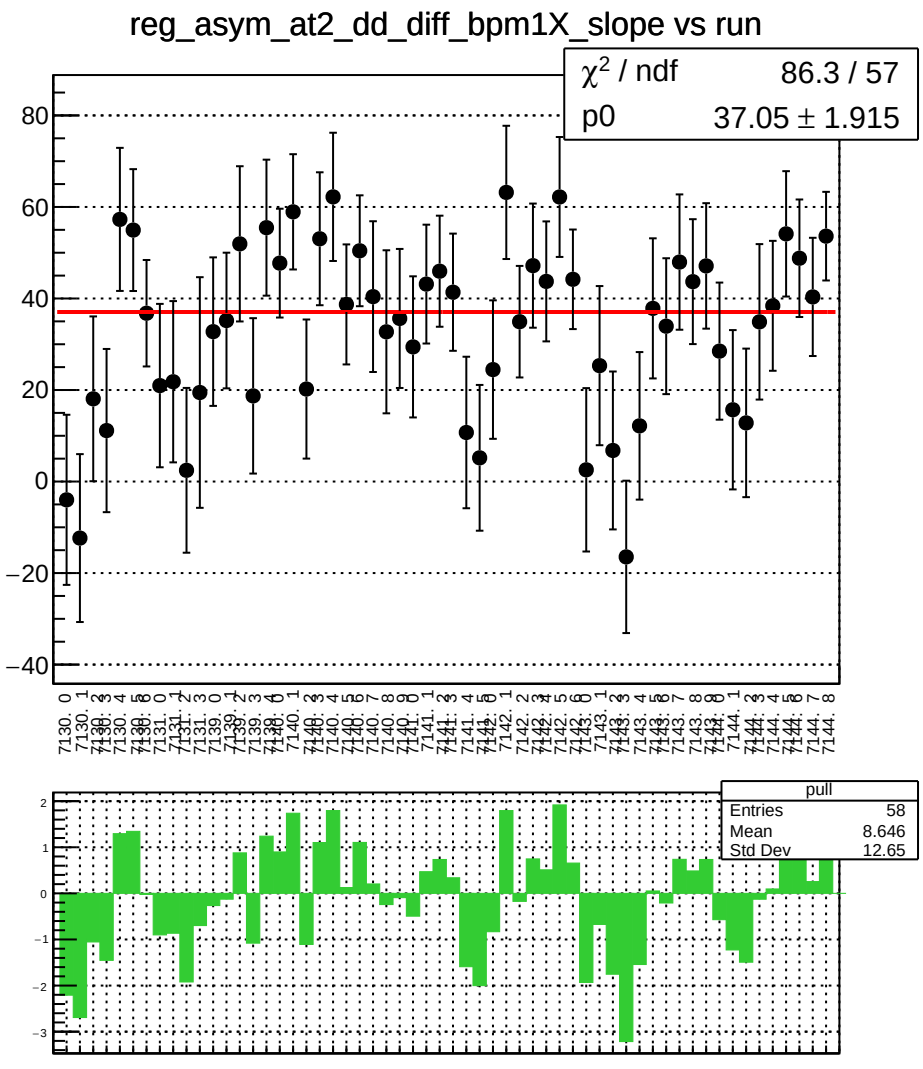

pull1D
Entries 58
Mean 0.118
Std Dev 0.92

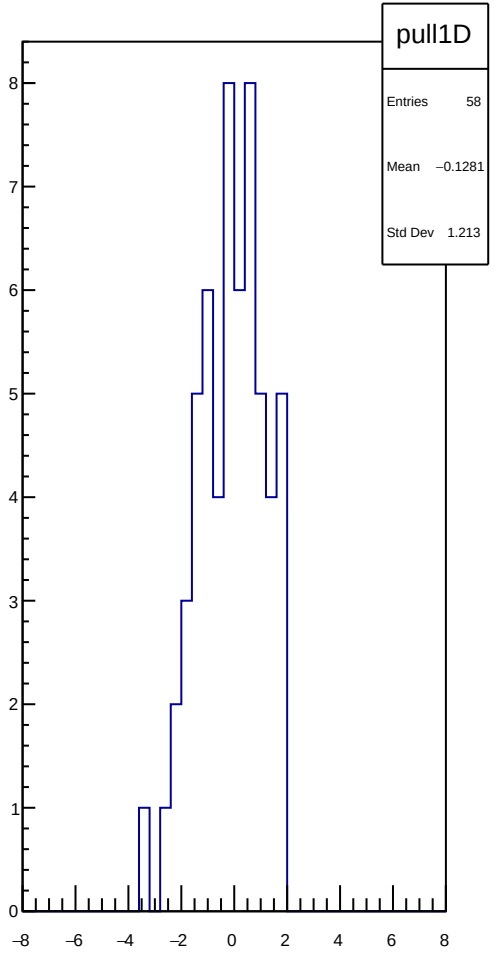

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.53 / 57
p0 176.7 ± 8.542
pull
Entries 58
Mean 163.3
Std Dev 143.6

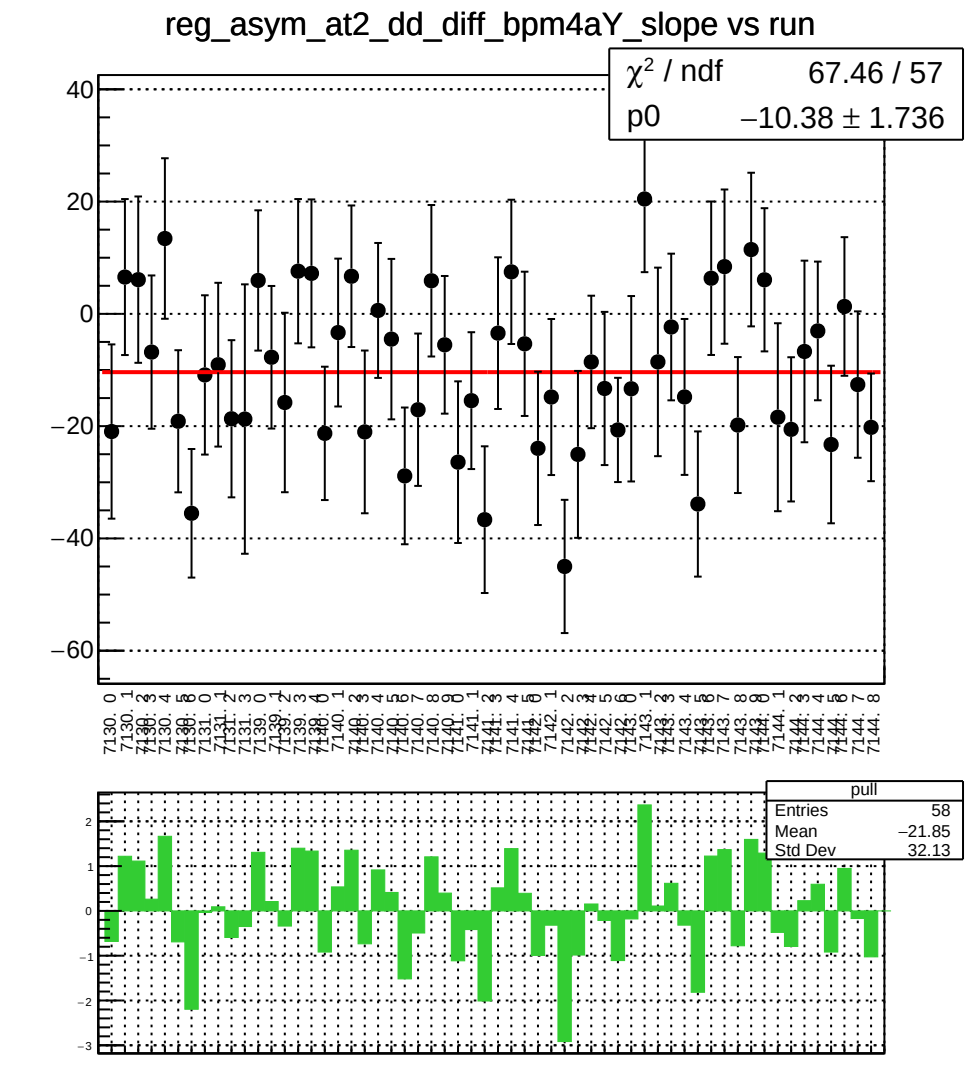

pull1D
Entries 58
Mean −0.005837
Std Dev 0.4829

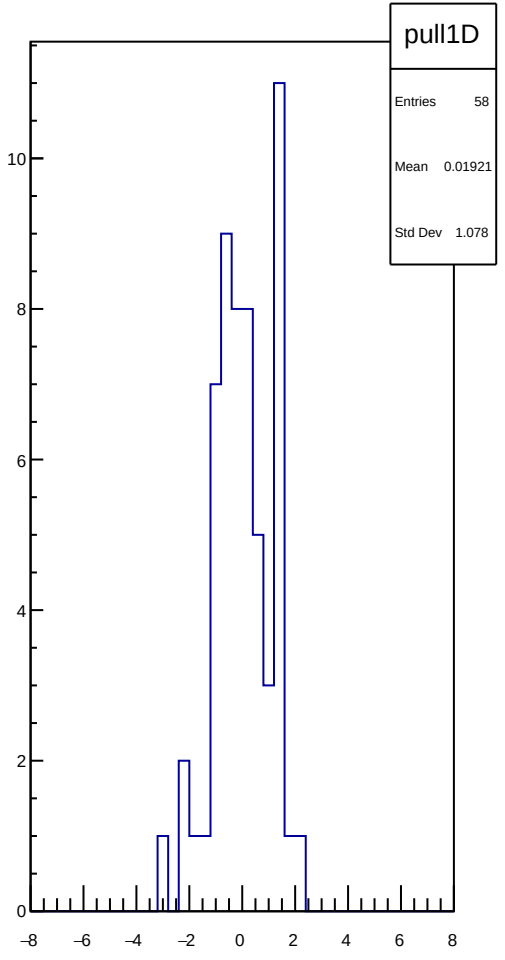

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 19.68 / 57
p0 −275.3 ± 0.3989
pull
Entries 58
Mean 70.93
Std Dev 72.73

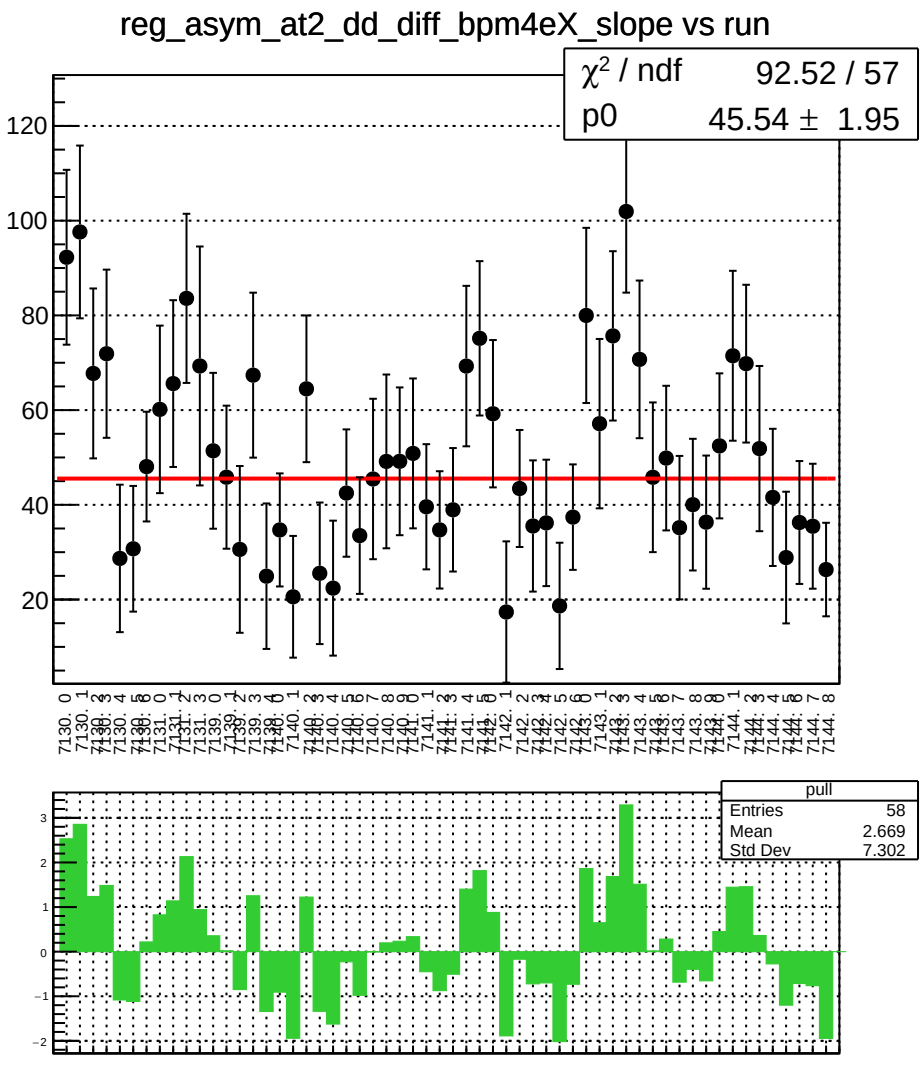

pull1D
Entries 58
Mean 0.01103
Std Dev 0.5824

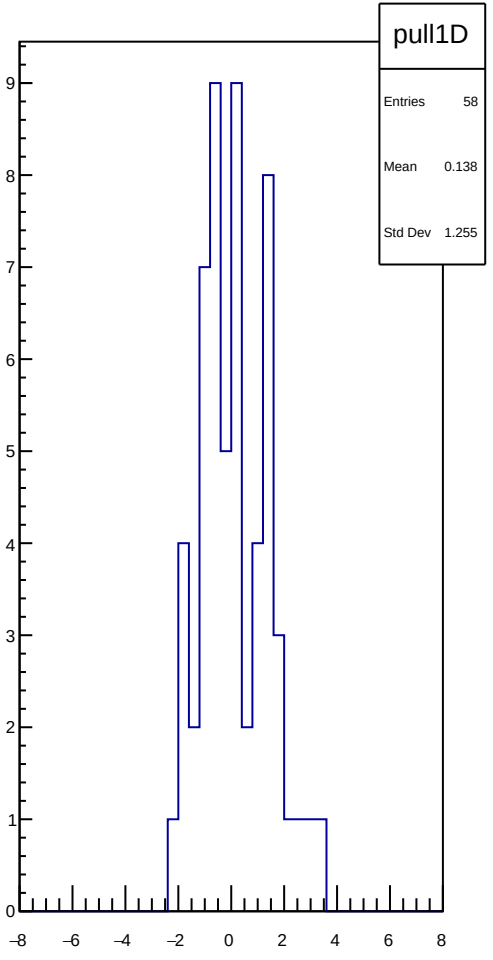

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 86.3 / 57
p0 37.05 ± 1.915
pull
Entries 58
Mean 8.646
Std Dev 12.65

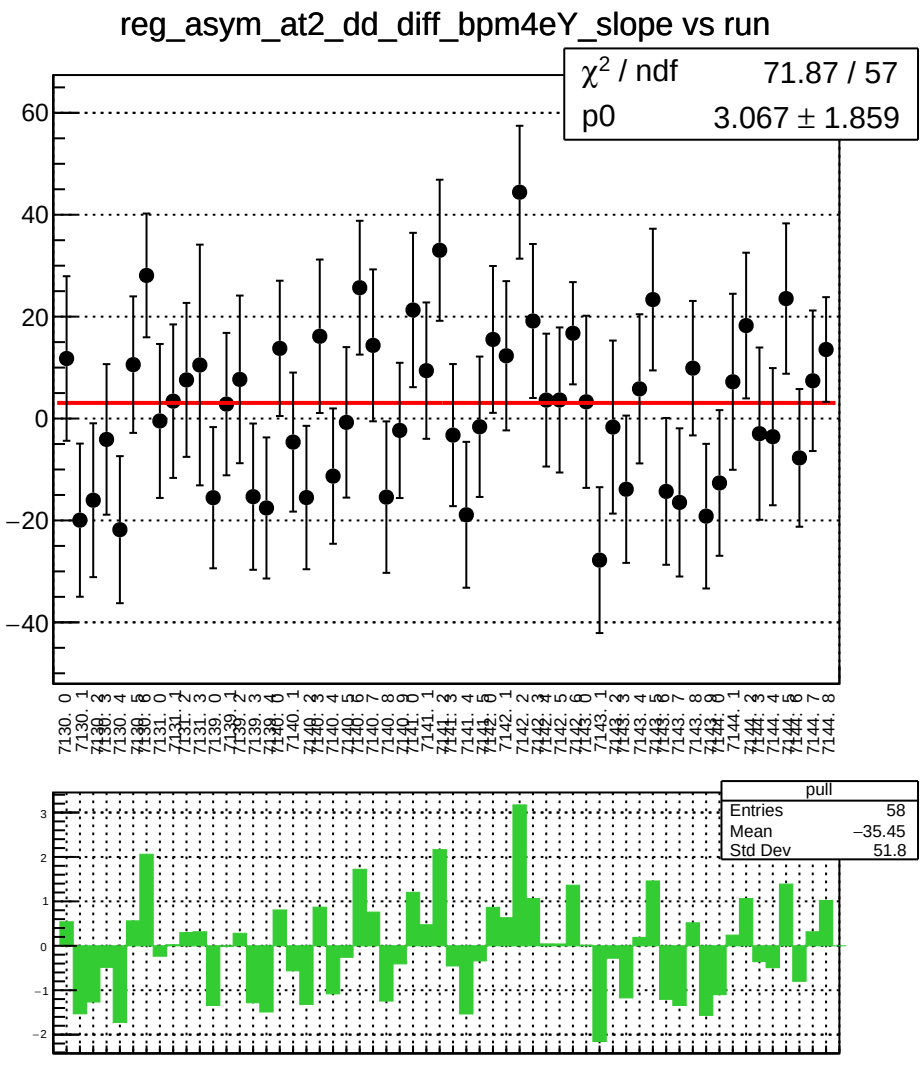

pull1D
Entries 58
Mean −0.1281
Std Dev 1.213

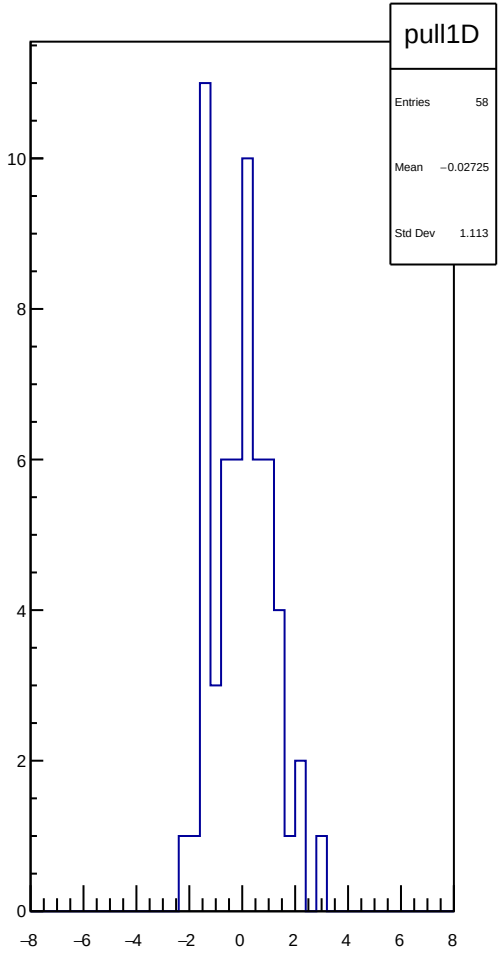

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.46 / 57
p0 −10.38 ± 1.736
pull
Entries 58
Mean −21.85
Std Dev 32.13

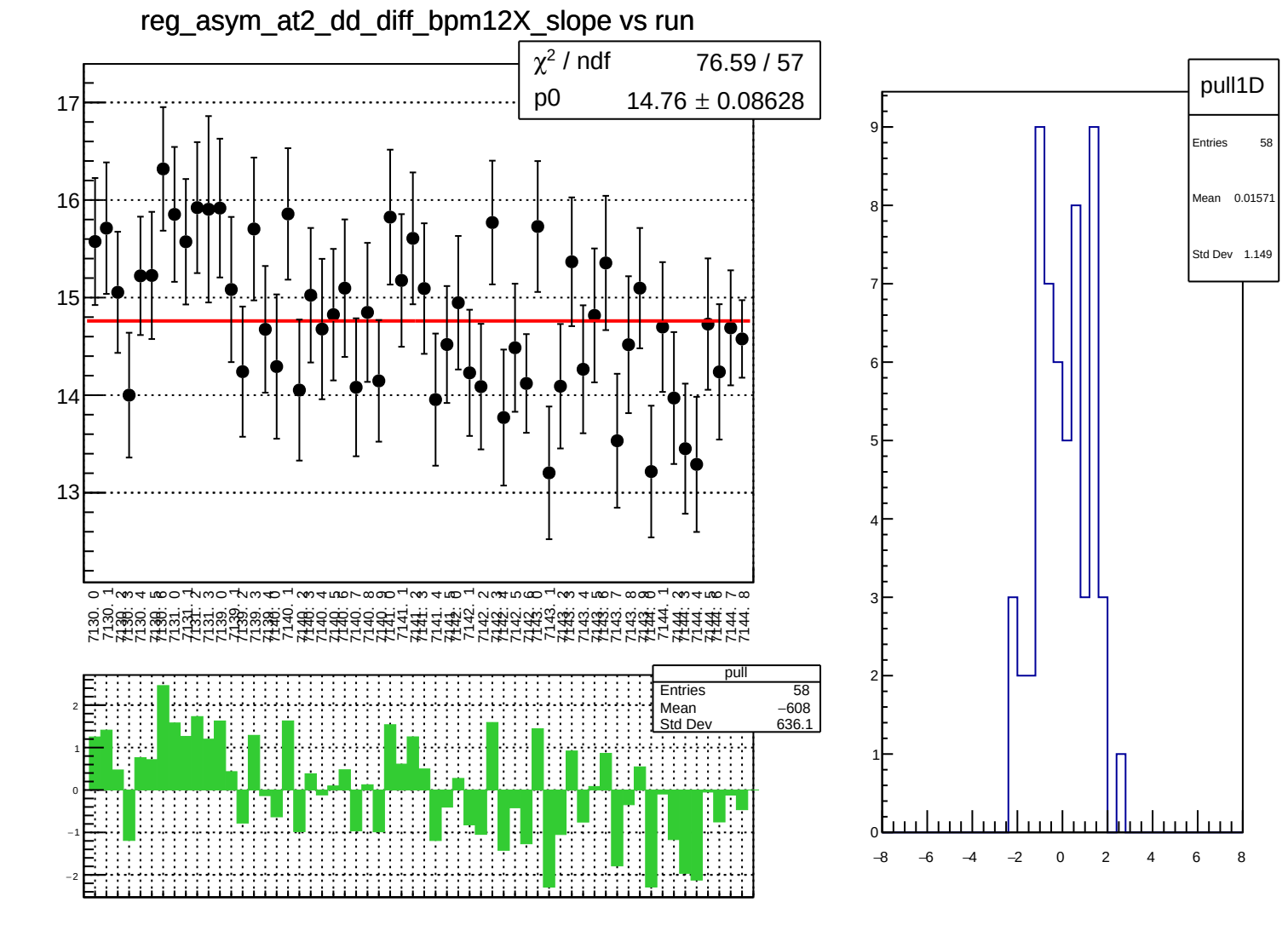

pull1D
Entries 58
Mean 0.01921
Std Dev 1.078

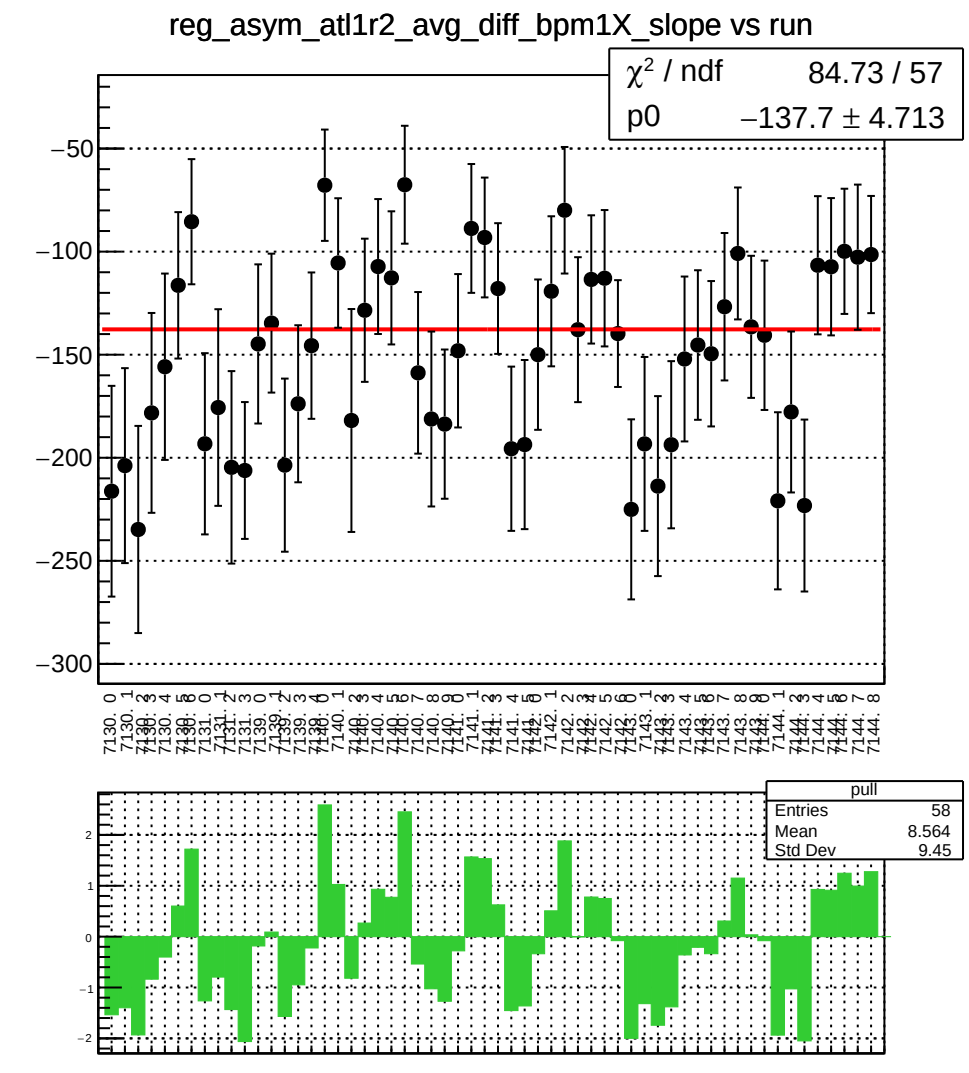

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.52 / 57
p0 45.54 ± 1.95
120
100
80
60
40
20
pull
Entries 58
Mean 2.669
Std Dev 7.302
3
2
1
0
−1
−2

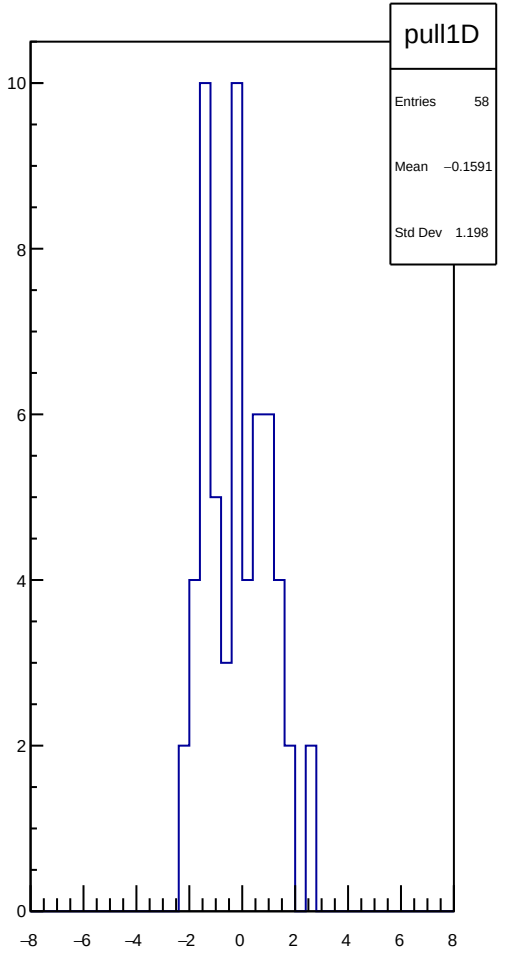

pull1D
Entries 58
Mean 0.138
Std Dev 1.255
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

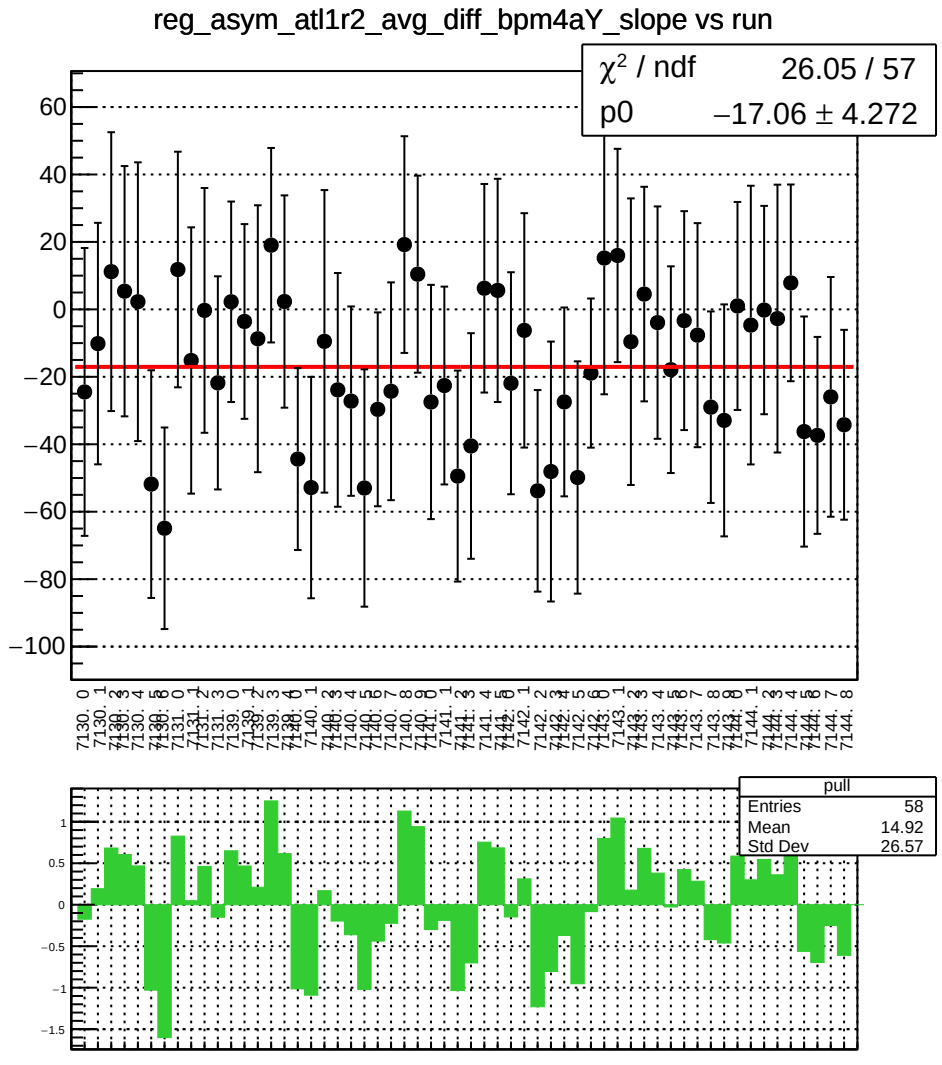

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.87 / 57
p0 3.067 ± 1.859
pull
Entries 58
Mean −35.45
Std Dev 51.8

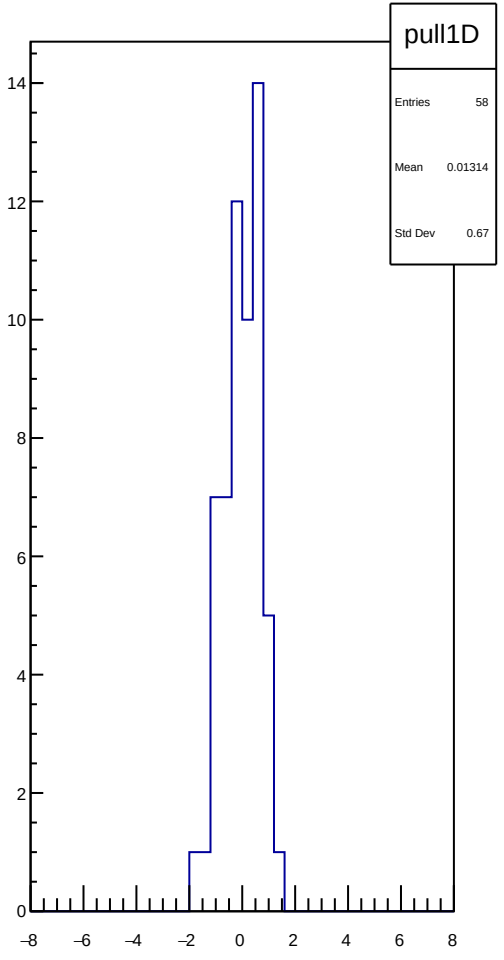

pull1D
Entries 58
Mean −0.02725
Std Dev 1.113

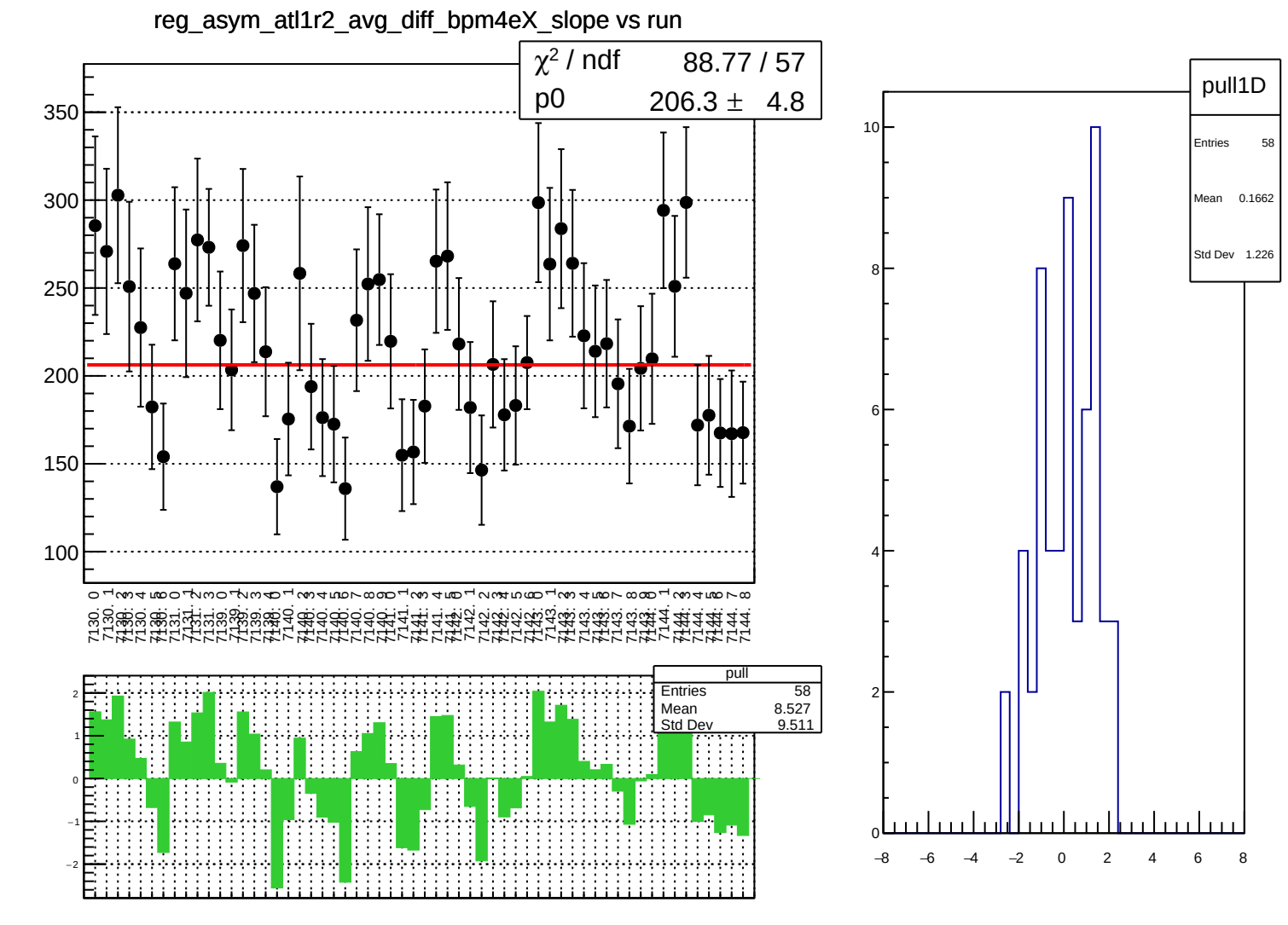

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 76.59 / 57
p0 14.76 ± 0.08628
pull
Entries 58
Mean −608
Std Dev 636.1
pull1D
Entries 58
Mean 0.01571
Std Dev 1.149

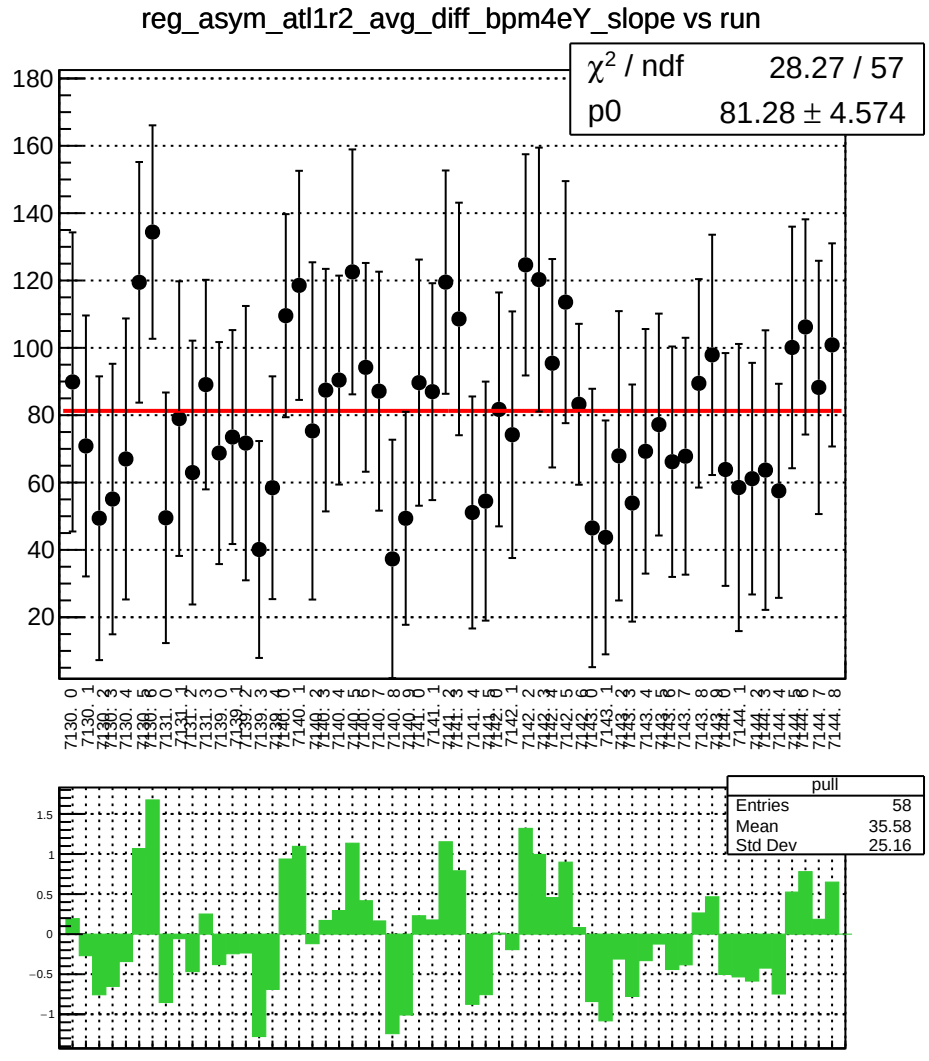

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 84.73 / 57
p0 −137.7 ± 4.713
pull
Entries 58
Mean 8.564
Std Dev 9.45

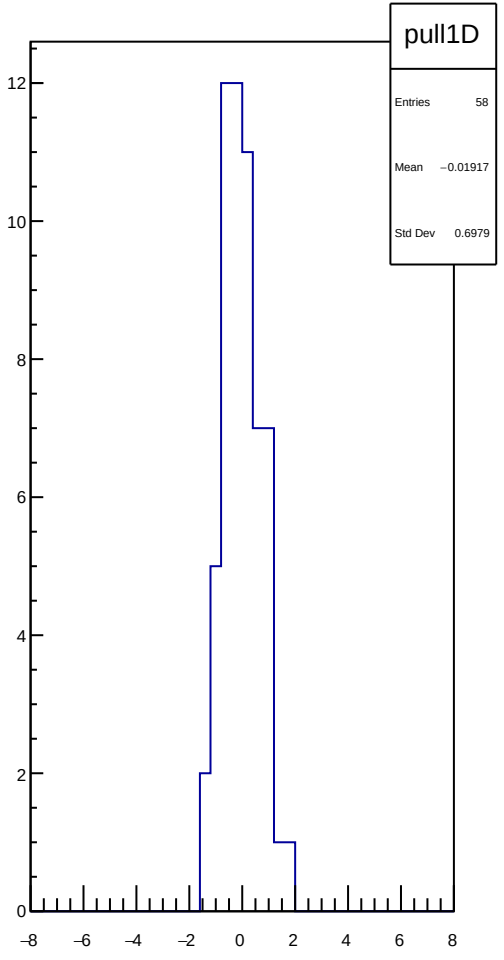

pull1D
Entries 58
Mean −0.1591
Std Dev 1.198

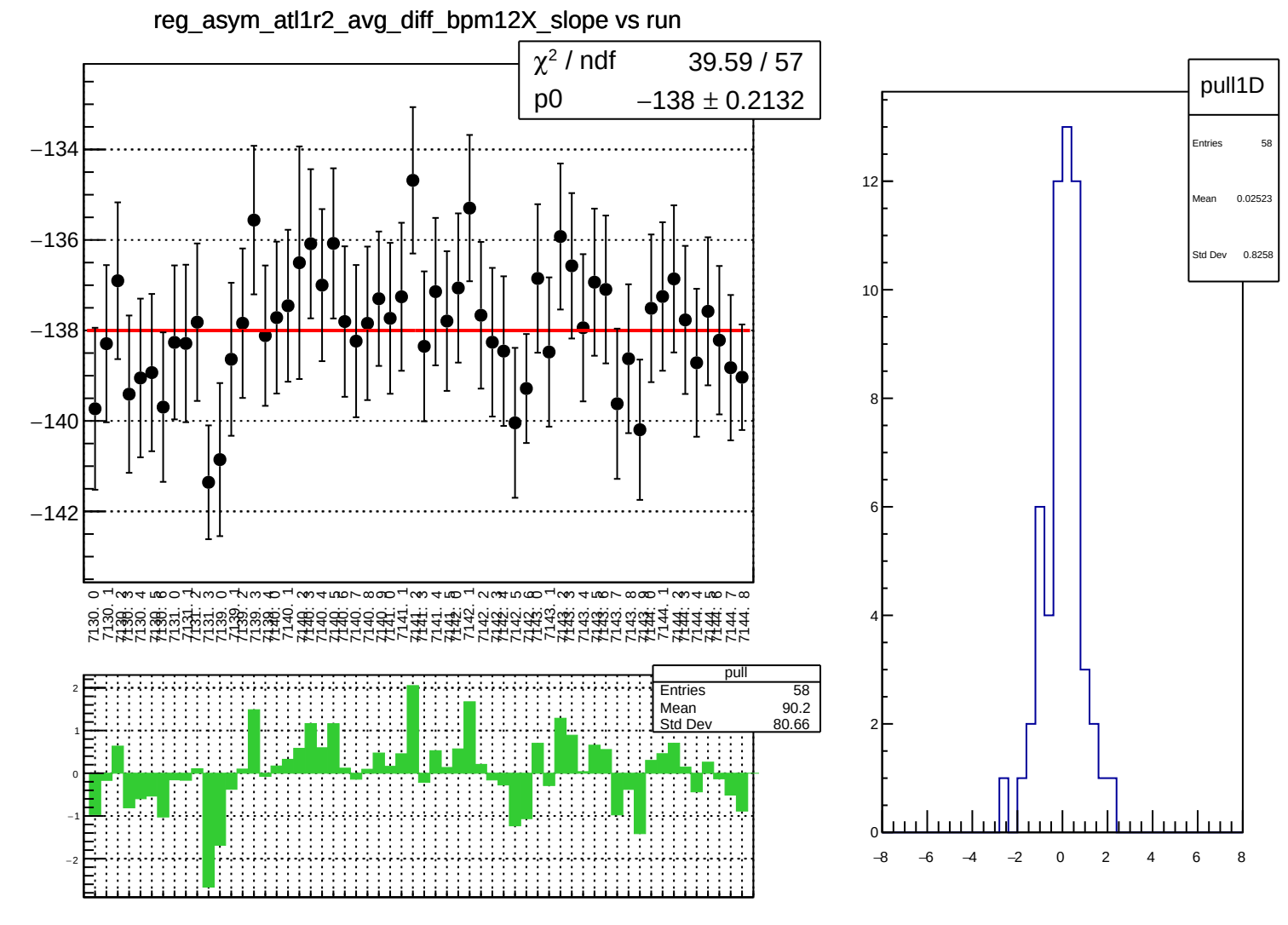

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.05 / 57
p0 −17.06 ± 4.272
pull
Entries 58
Mean 14.92
Std Dev 26.57

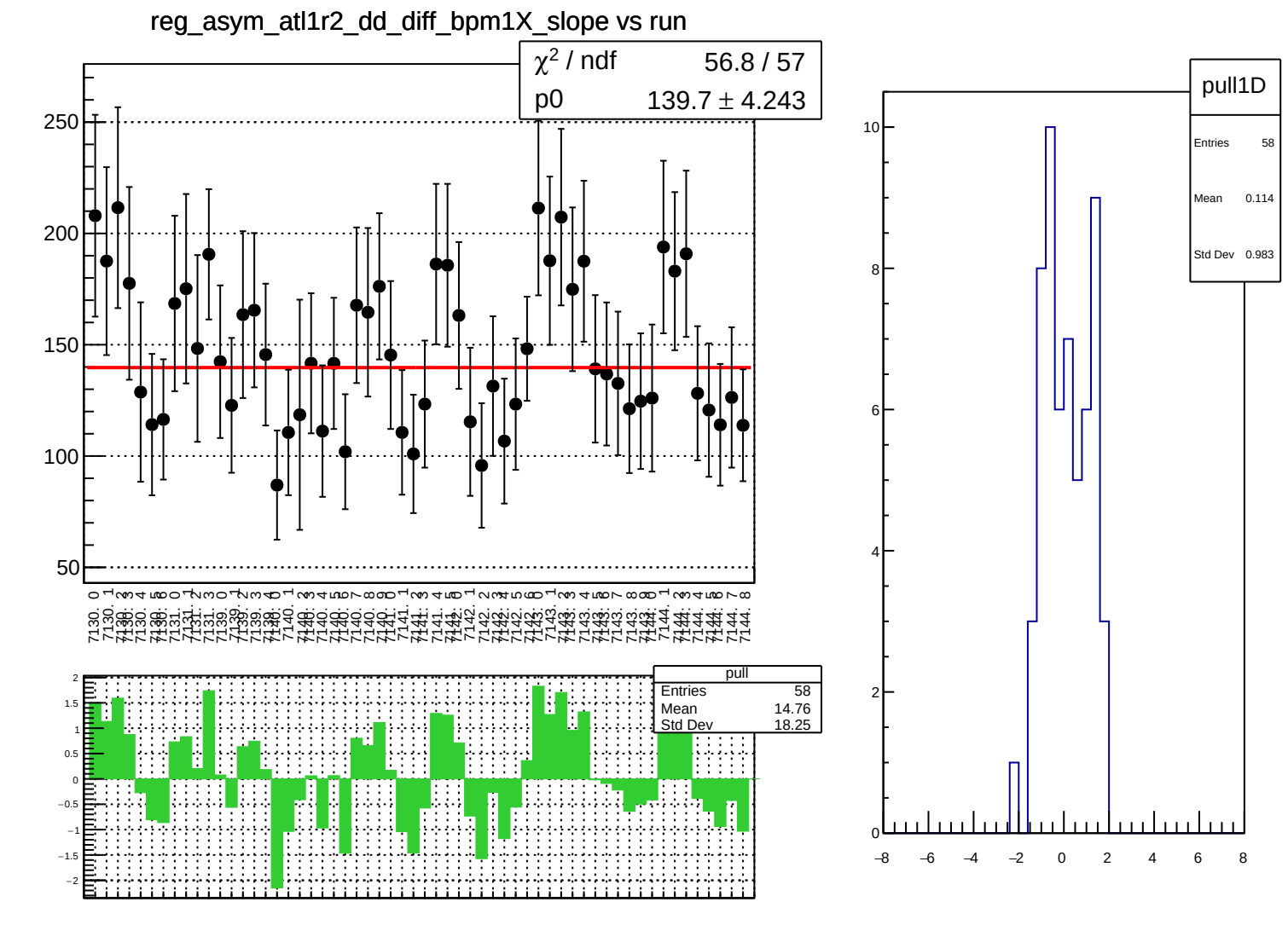

pull1D
Entries 58
Mean 0.01314
Std Dev 0.67

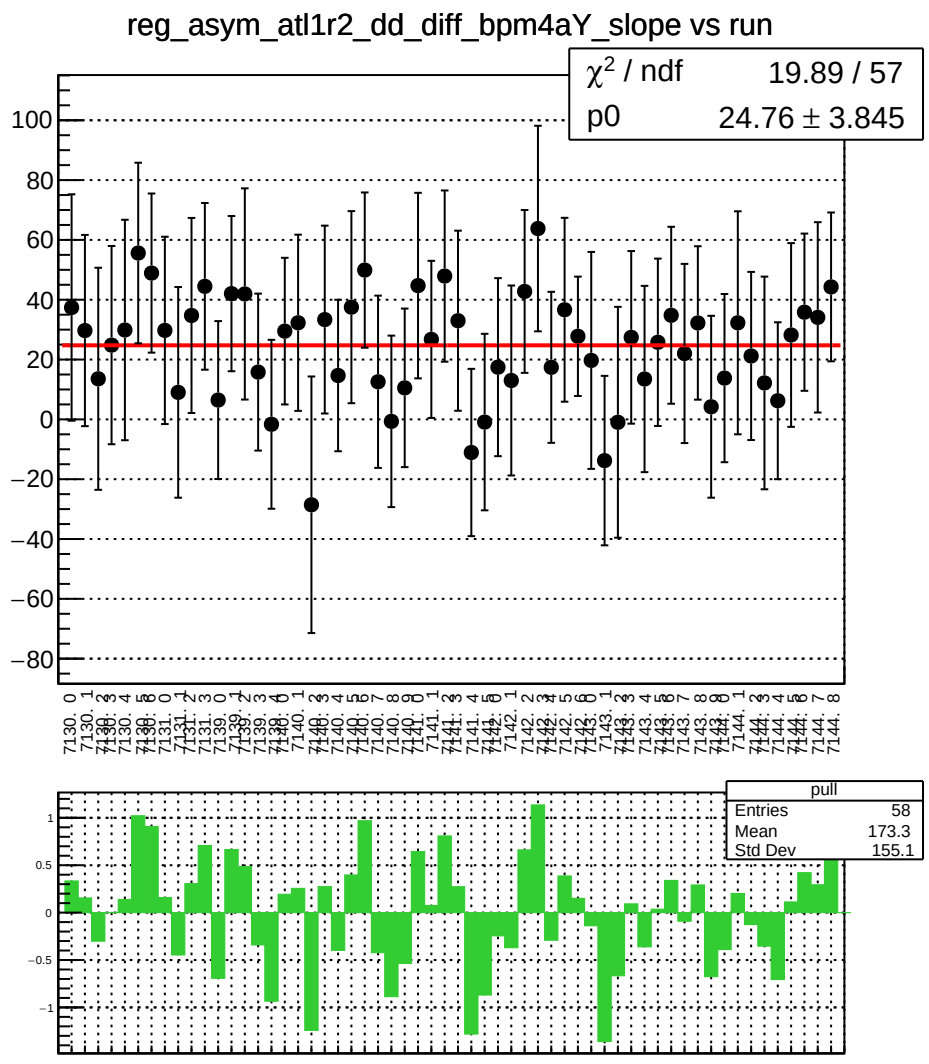

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.77 / 57
p0 206.3 ± 4.8
pull
Entries 58
Mean 8.527
Std Dev 9.511
pull1D
Entries 58
Mean 0.1662
Std Dev 1.226

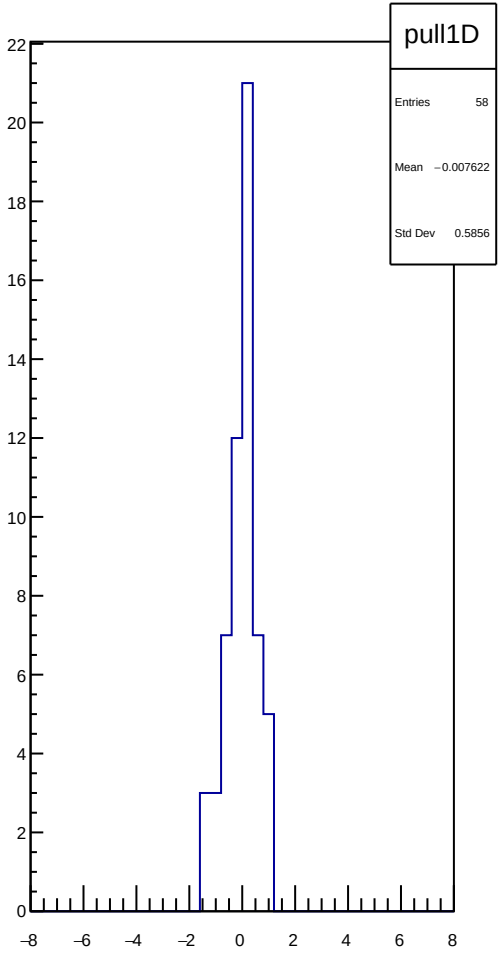

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.27 / 57
p0 81.28 ± 4.574
pull
Entries 58
Mean 35.58
Std Dev 25.16

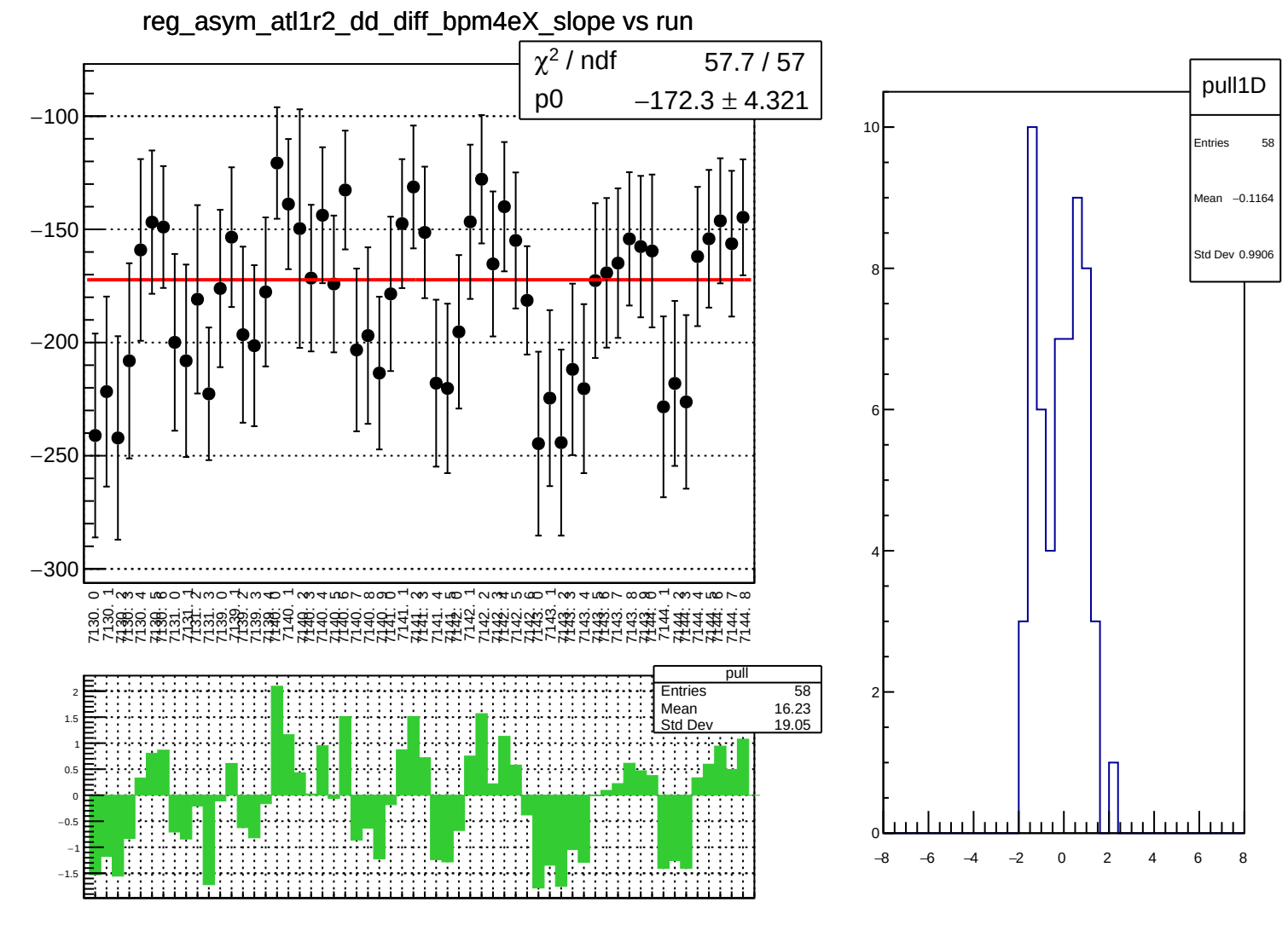

pull1D
Entries 58
Mean −0.01917
Std Dev 0.6979

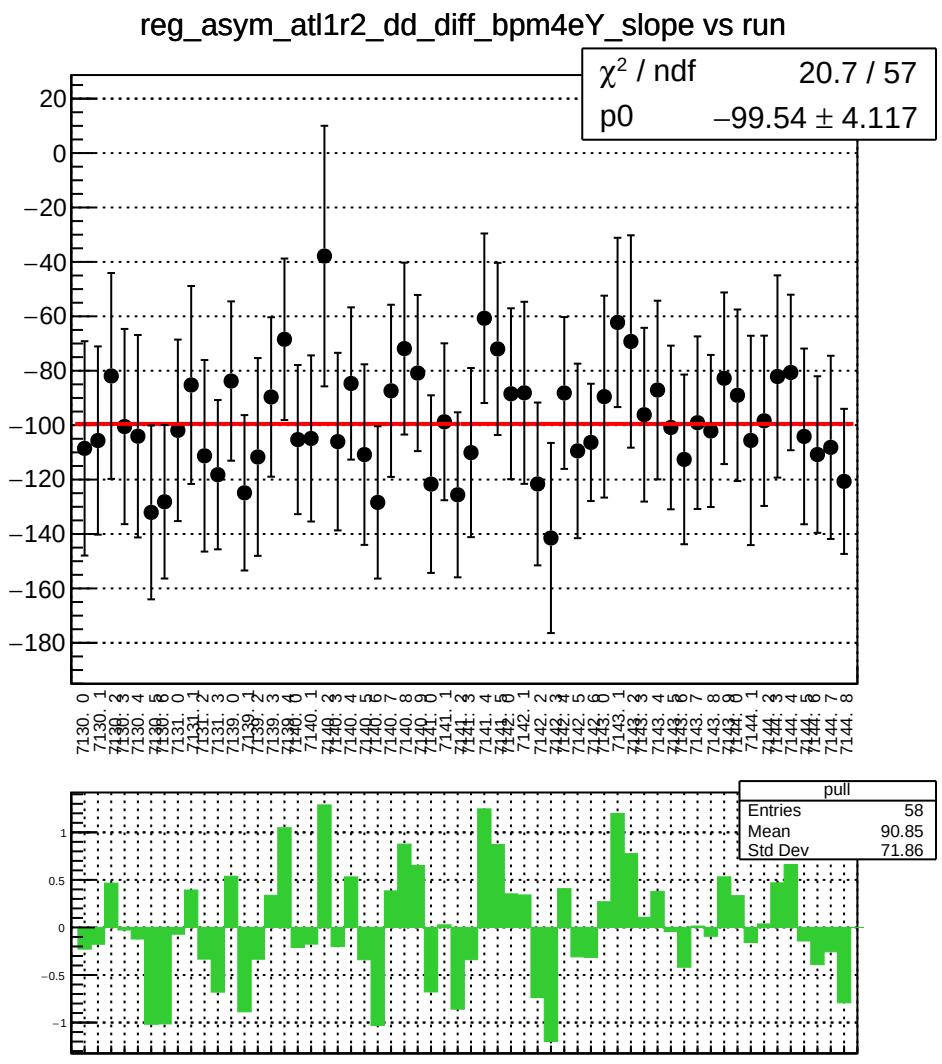

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 39.59 / 57
p0 −138 ± 0.2132
−134
−136
−138
−140
−142
pull
Entries 58
Mean 90.2
Std Dev 80.66
pull1D
Entries 58
Mean 0.02523
Std Dev 0.8258

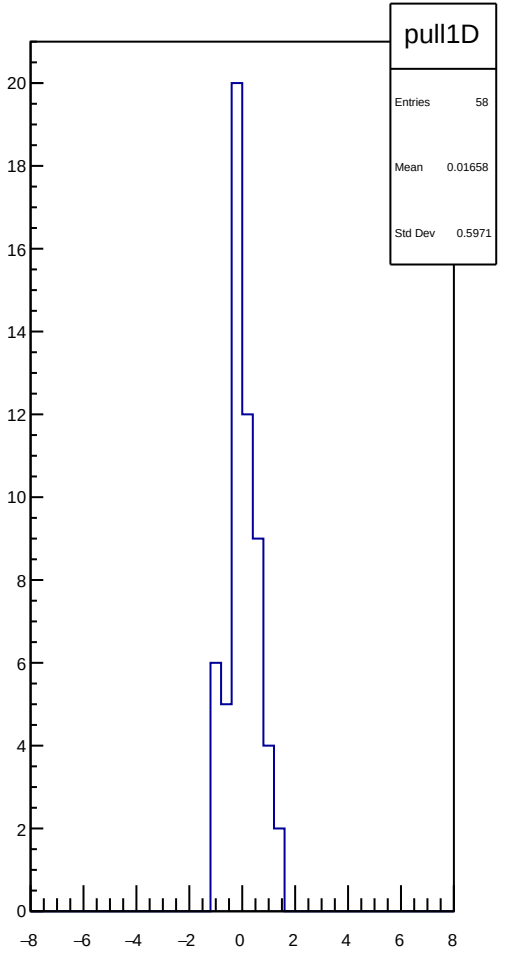

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 56.8 / 57
p0 139.7 ± 4.243
250
200
150
100
50
pull
Entries 58
Mean 14.76
Std Dev 18.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean 0.114
Std Dev 0.983
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

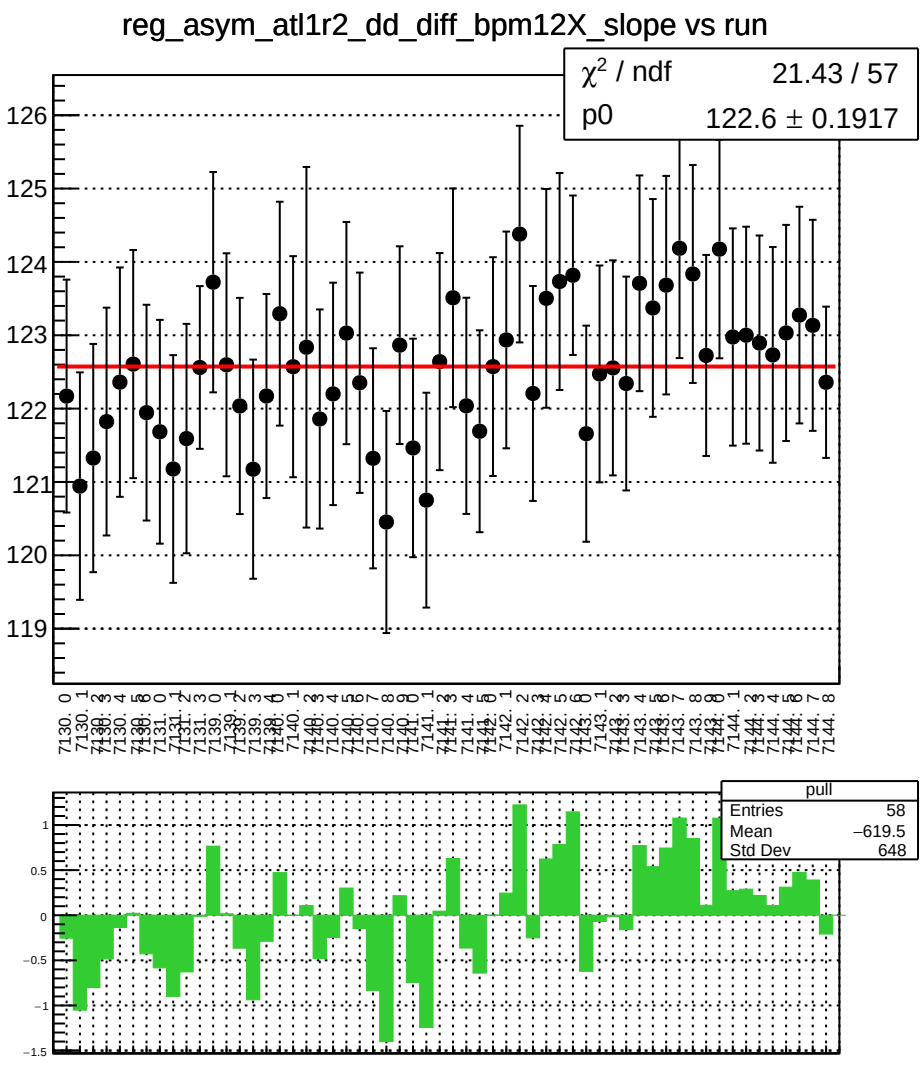

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.89 / 57
p0 24.76 ± 3.845
pull
Entries 58
Mean 173.3
Std Dev 155.1

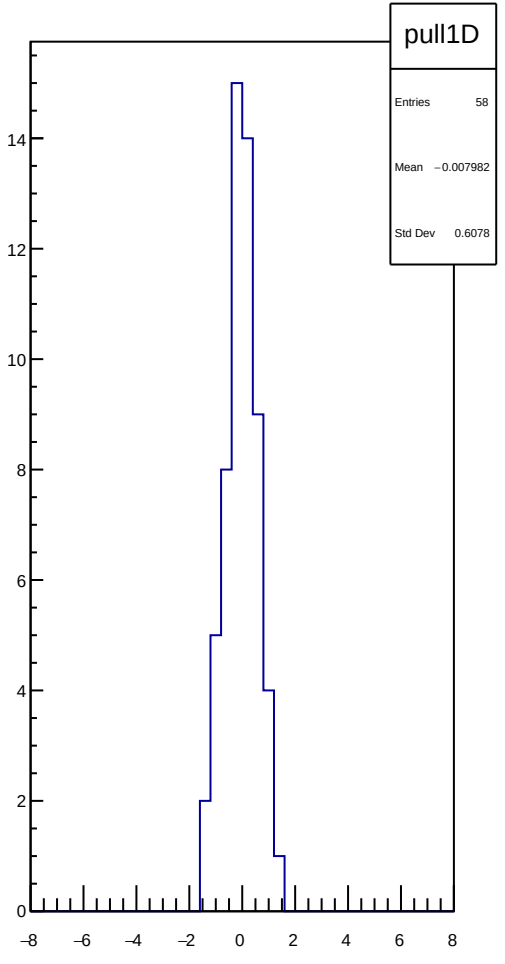

pull1D
Entries 58
Mean −0.007622
Std Dev 0.5856

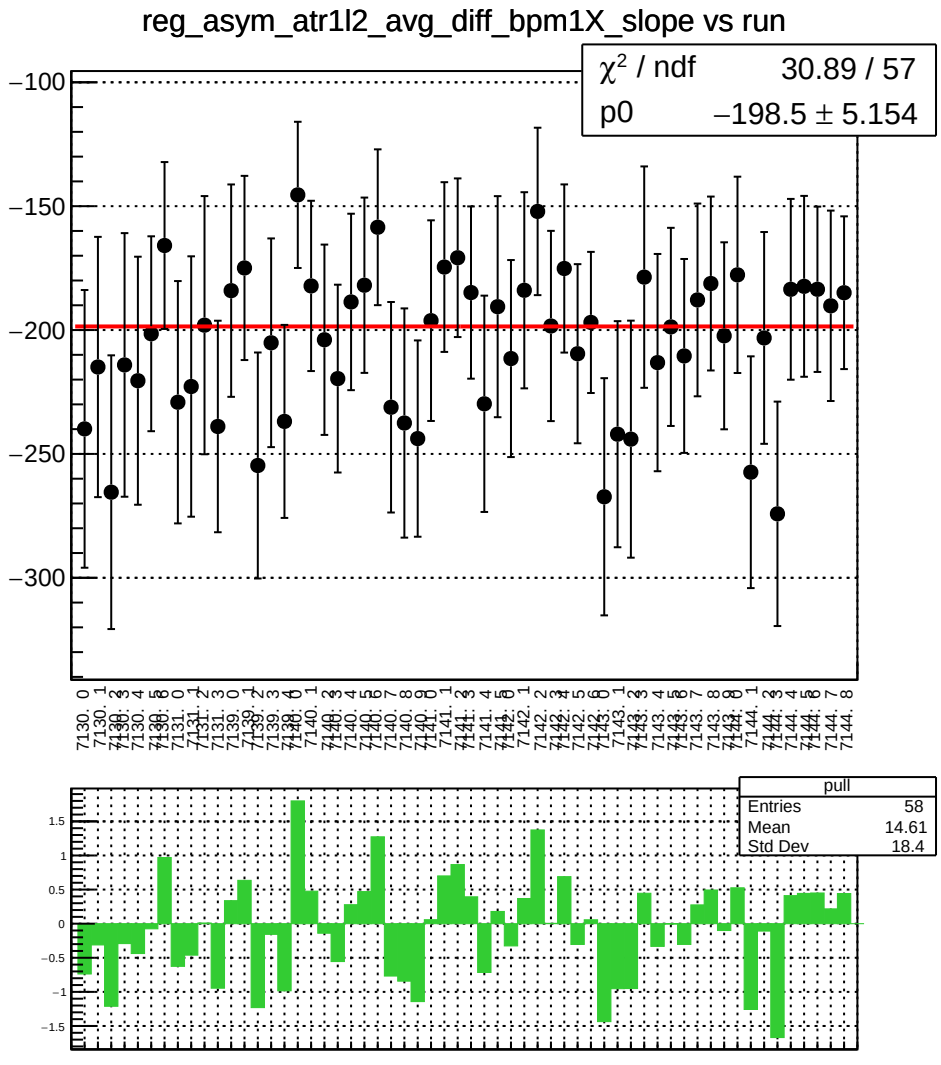

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.7 / 57
p0 −172.3 ± 4.321
−100
−150
−200
−250
−300
pull
Entries 58
Mean 16.23
Std Dev 19.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 58
Mean −0.1164
Std Dev 0.9906
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

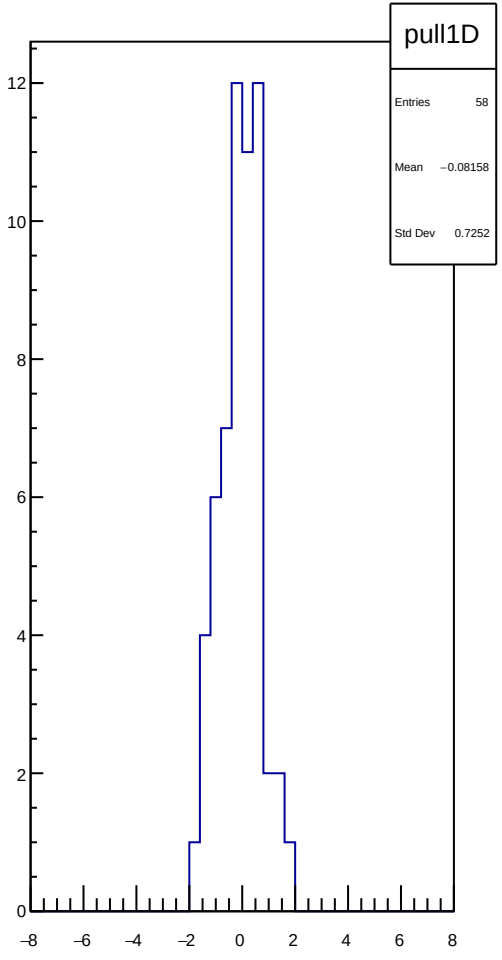

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.7 / 57
p0 −99.54 ± 4.117
pull
Entries 58
Mean 90.85
Std Dev 71.86

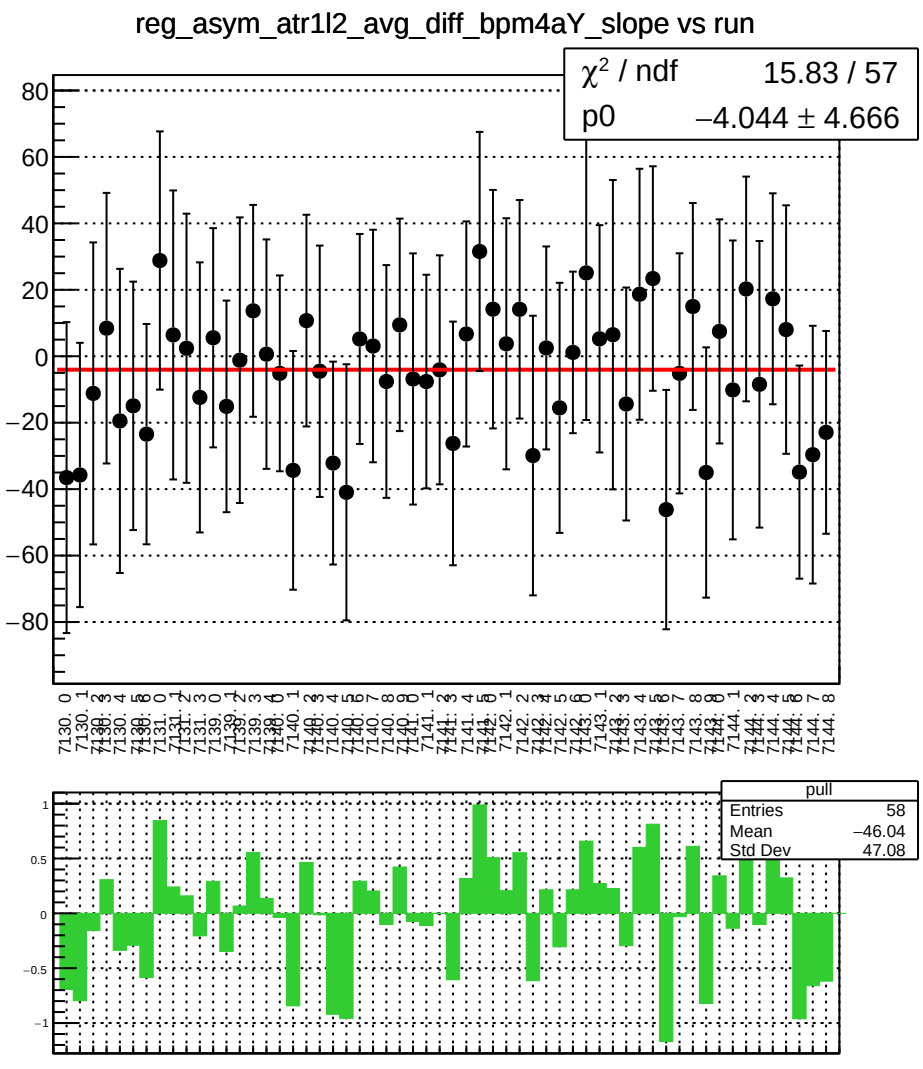

pull1D
Entries 58
Mean 0.01658
Std Dev 0.5971

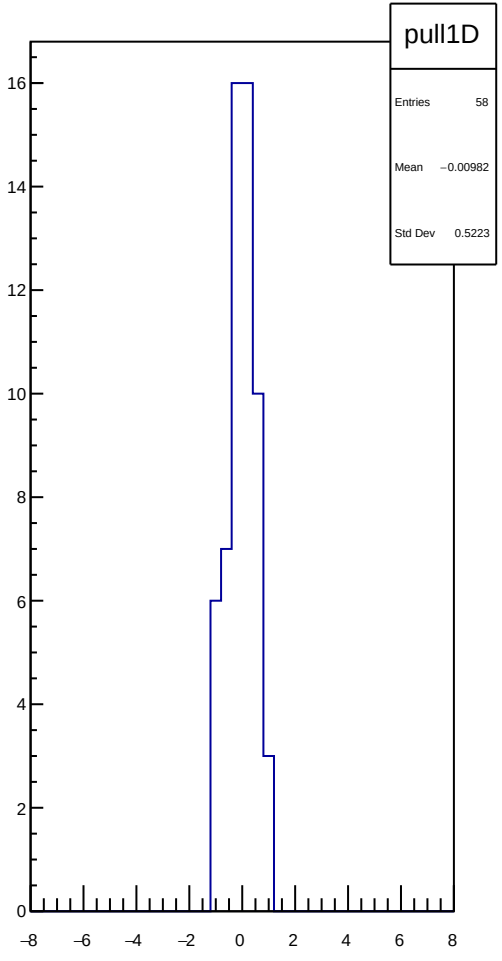

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.43 / 57
p0 122.6 ± 0.1917
pull
Entries 58
Mean −619.5
Std Dev 648

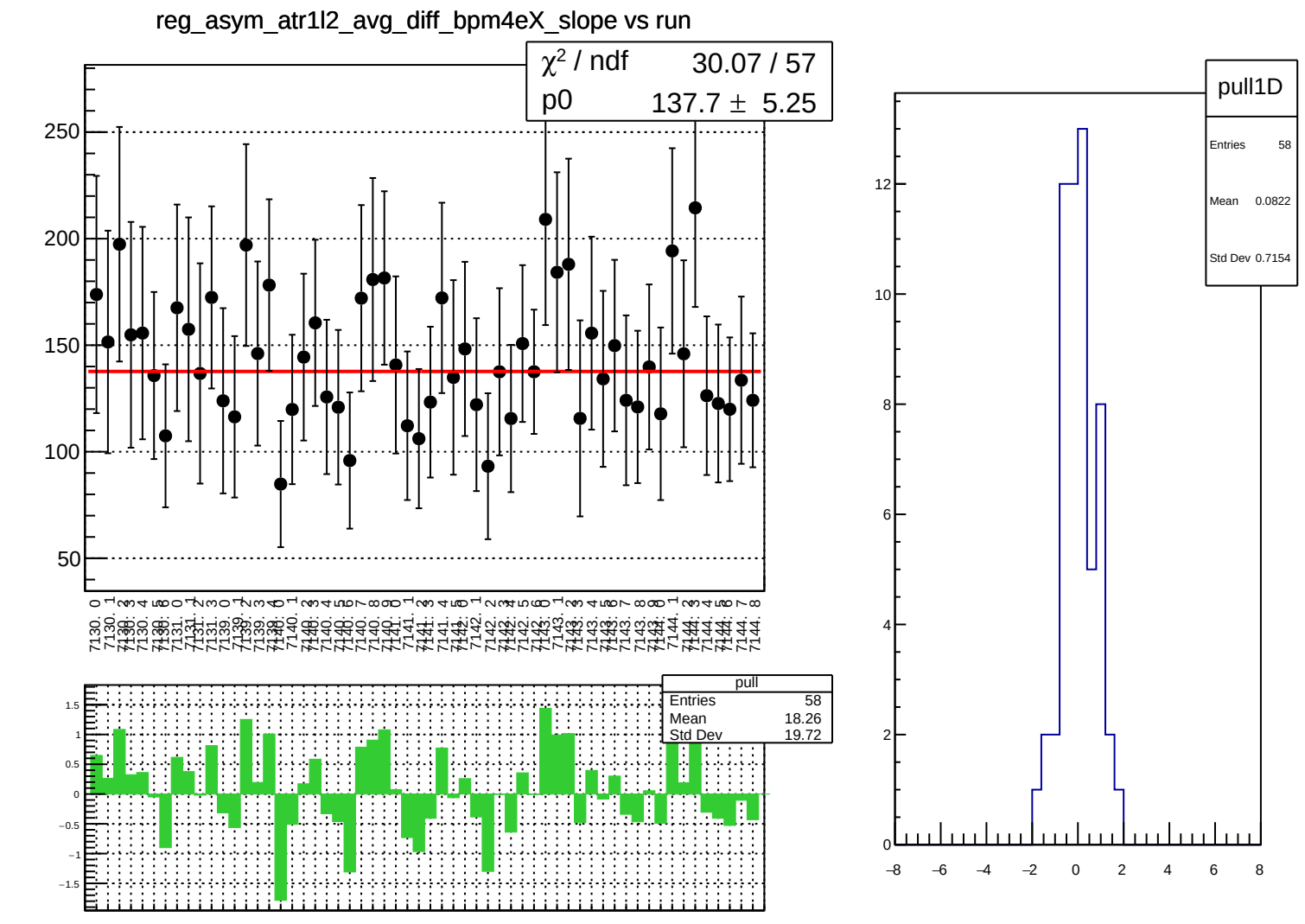

pull1D
Entries 58
Mean −0.007982
Std Dev 0.6078

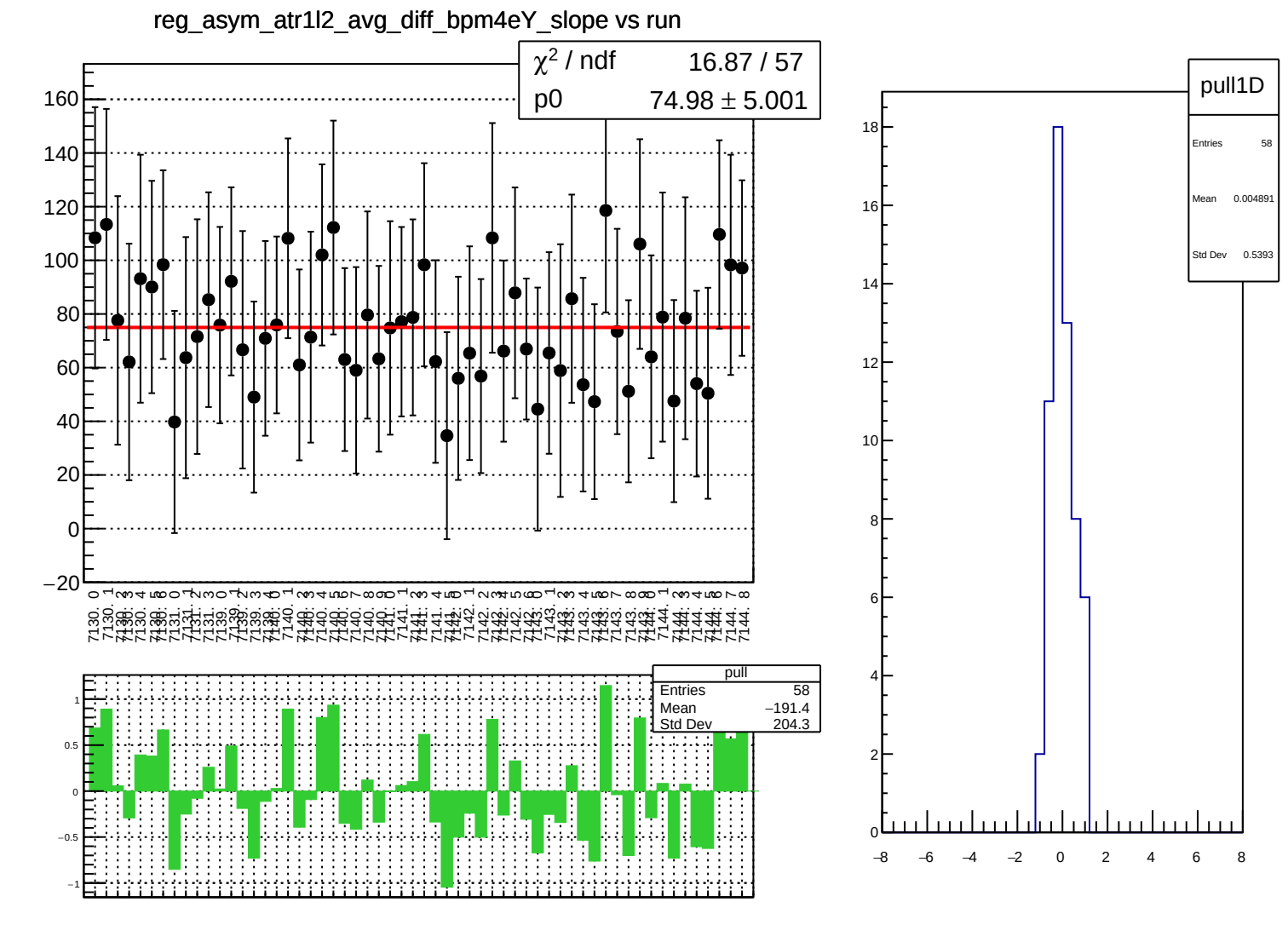

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 30.89 / 57
p0 −198.5 ± 5.154
pull
Entries 58
Mean 14.61
Std Dev 18.4

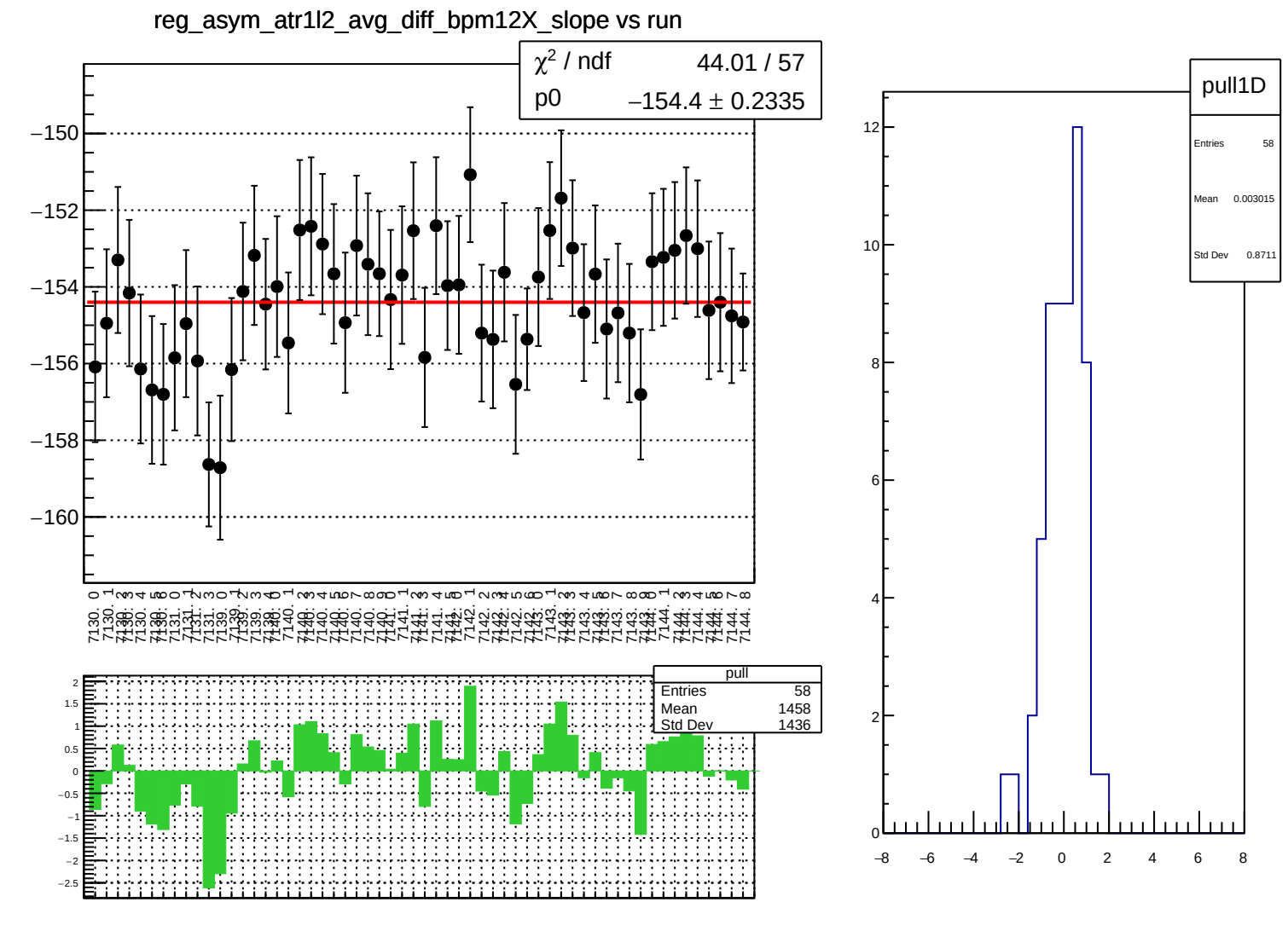

pull1D
Entries 58
Mean −0.08158
Std Dev 0.7252

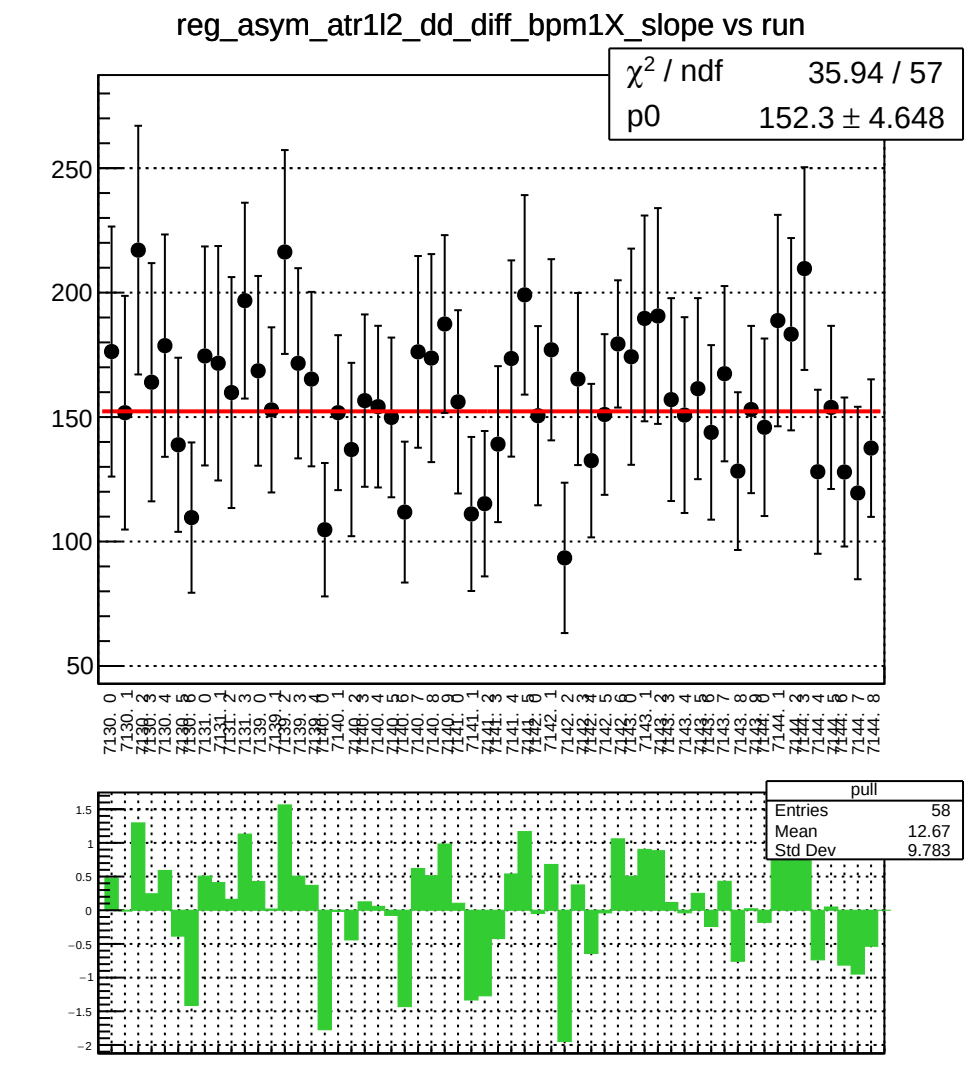

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.83 / 57
p0 −4.044 ± 4.666
pull
Entries 58
Mean −46.04
Std Dev 47.08

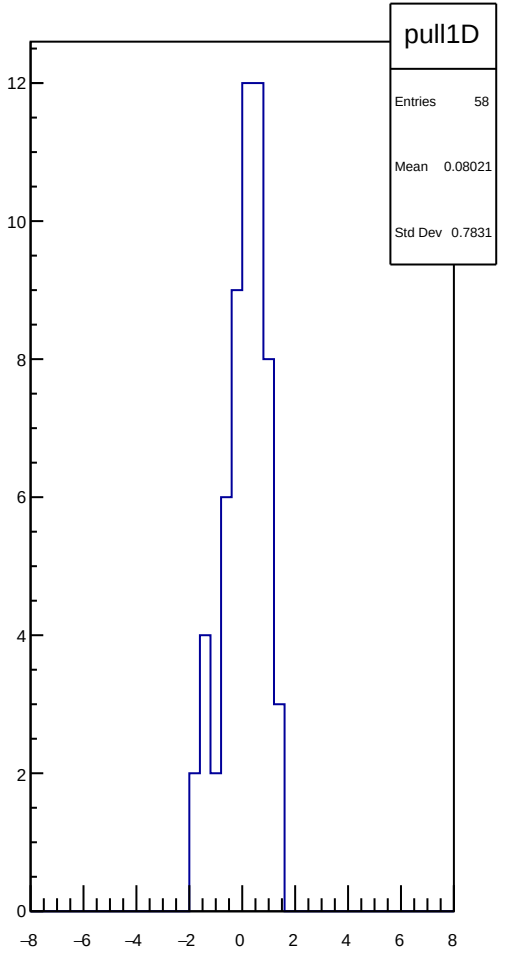

pull1D
Entries 58
Mean −0.00982
Std Dev 0.5223

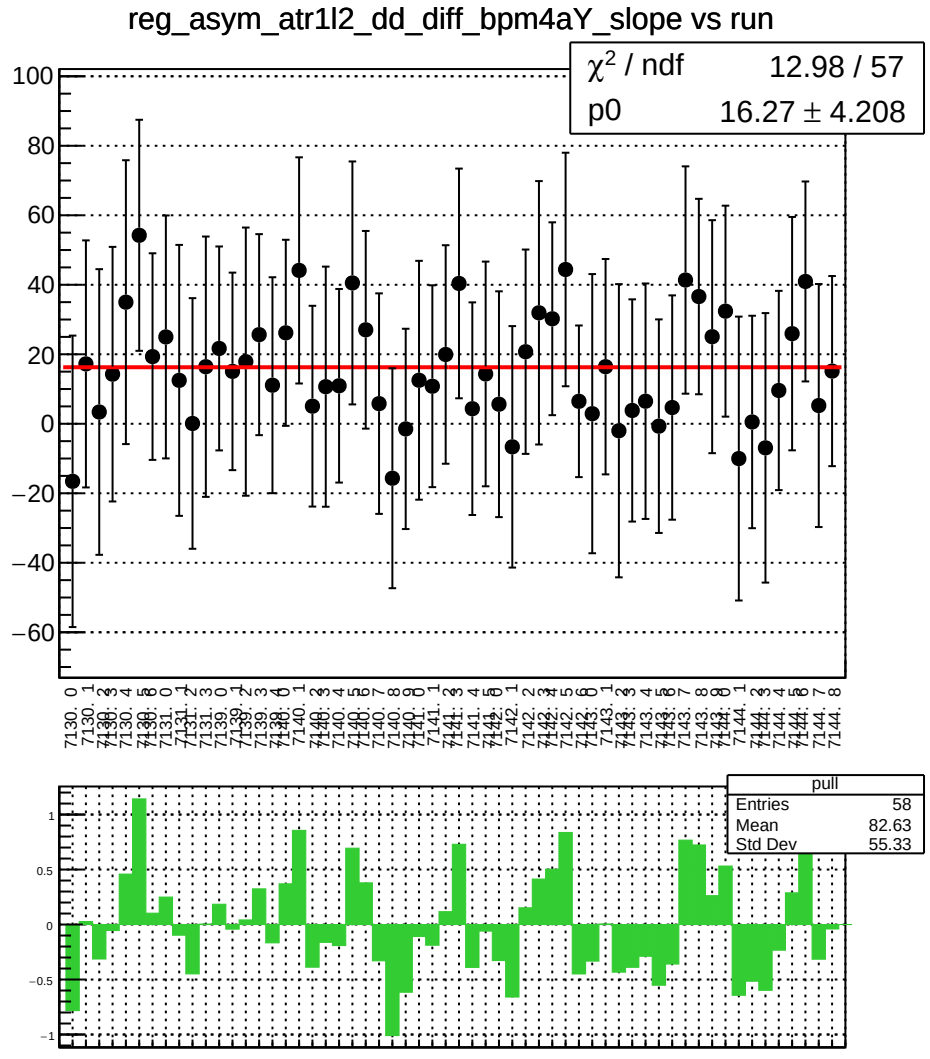

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.07 / 57
p0 137.7 ± 5.25
250
200
150
100
50
pull
Entries 58
Mean 18.26
Std Dev 19.72
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 58
Mean 0.0822
Std Dev 0.7154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

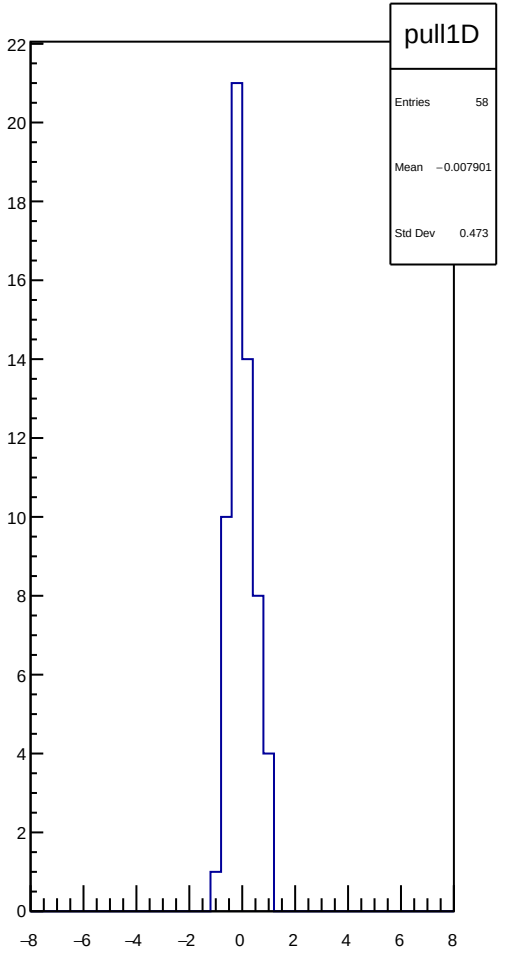

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.87 / 57
p0 74.98 ± 5.001
pull
Entries 58
Mean −191.4
Std Dev 204.3
pull1D
Entries 58
Mean 0.004891
Std Dev 0.5393

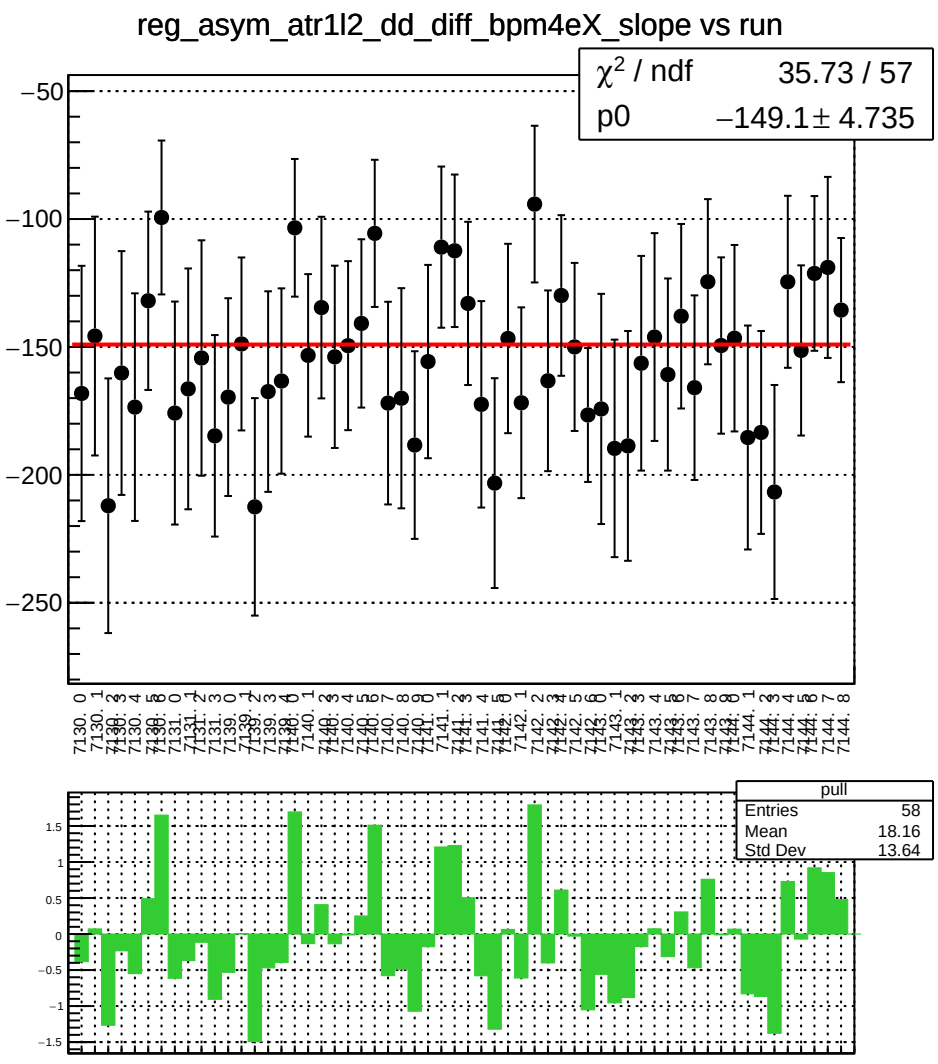

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 44.01 / 57
p0 −154.4 ± 0.2335
−150
−152
−154
−156
−158
−160
pull
Entries 58
Mean 1458
Std Dev 1436
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 58
Mean 0.003015
Std Dev 0.8711
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

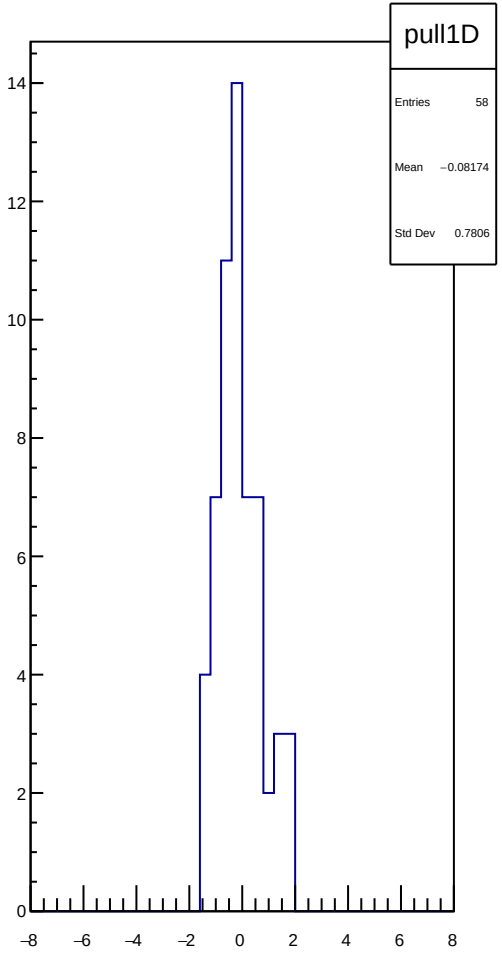

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 35.94 / 57
p0 152.3 ± 4.648
pull
Entries 58
Mean 12.67
Std Dev 9.783

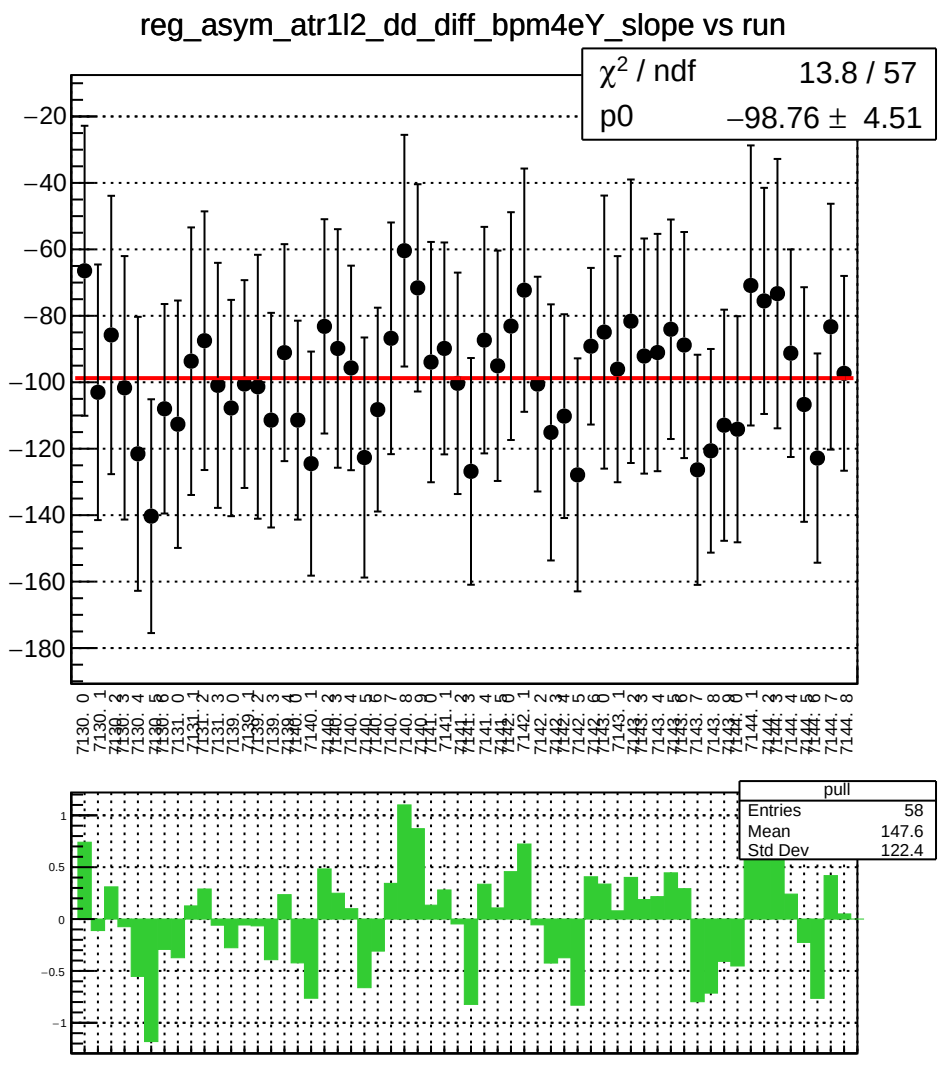

pull1D
Entries 58
Mean 0.08021
Std Dev 0.7831

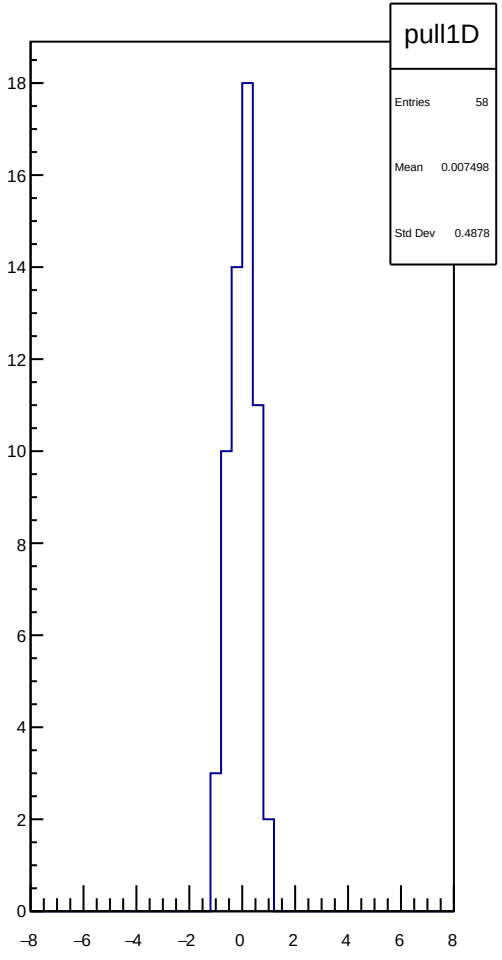

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.98 / 57
p0 16.27 ± 4.208
pull
Entries 58
Mean 82.63
Std Dev 55.33

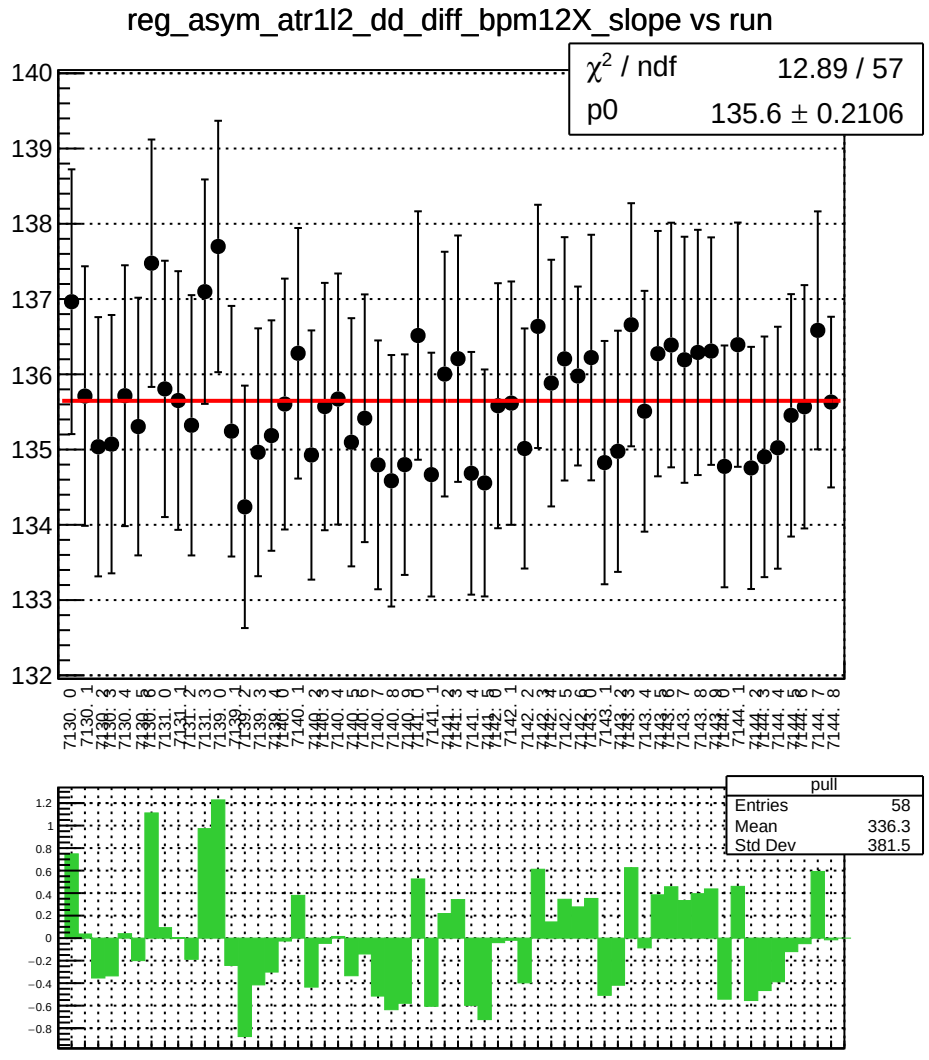

pull1D
Entries 58
Mean −0.007901
Std Dev 0.473

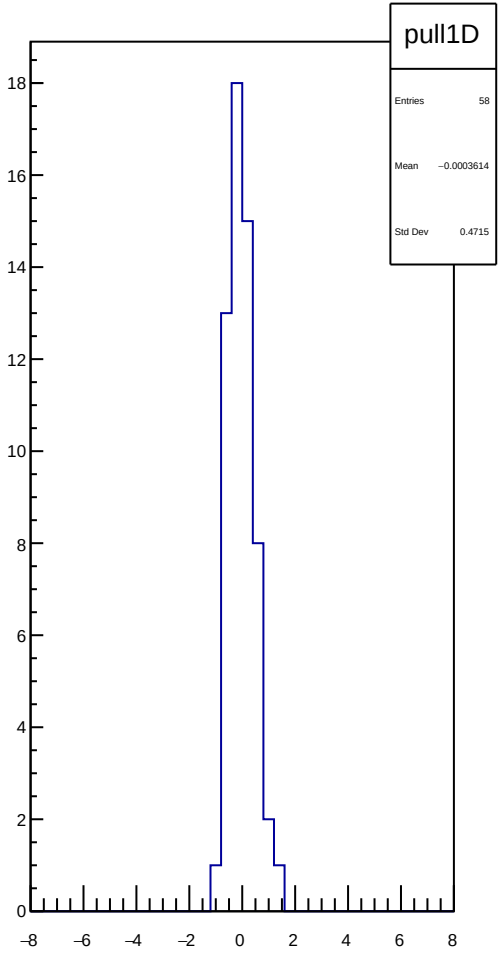

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.73 / 57
p0 −149.1 ± 4.735
pull
Entries 58
Mean 18.16
Std Dev 13.64

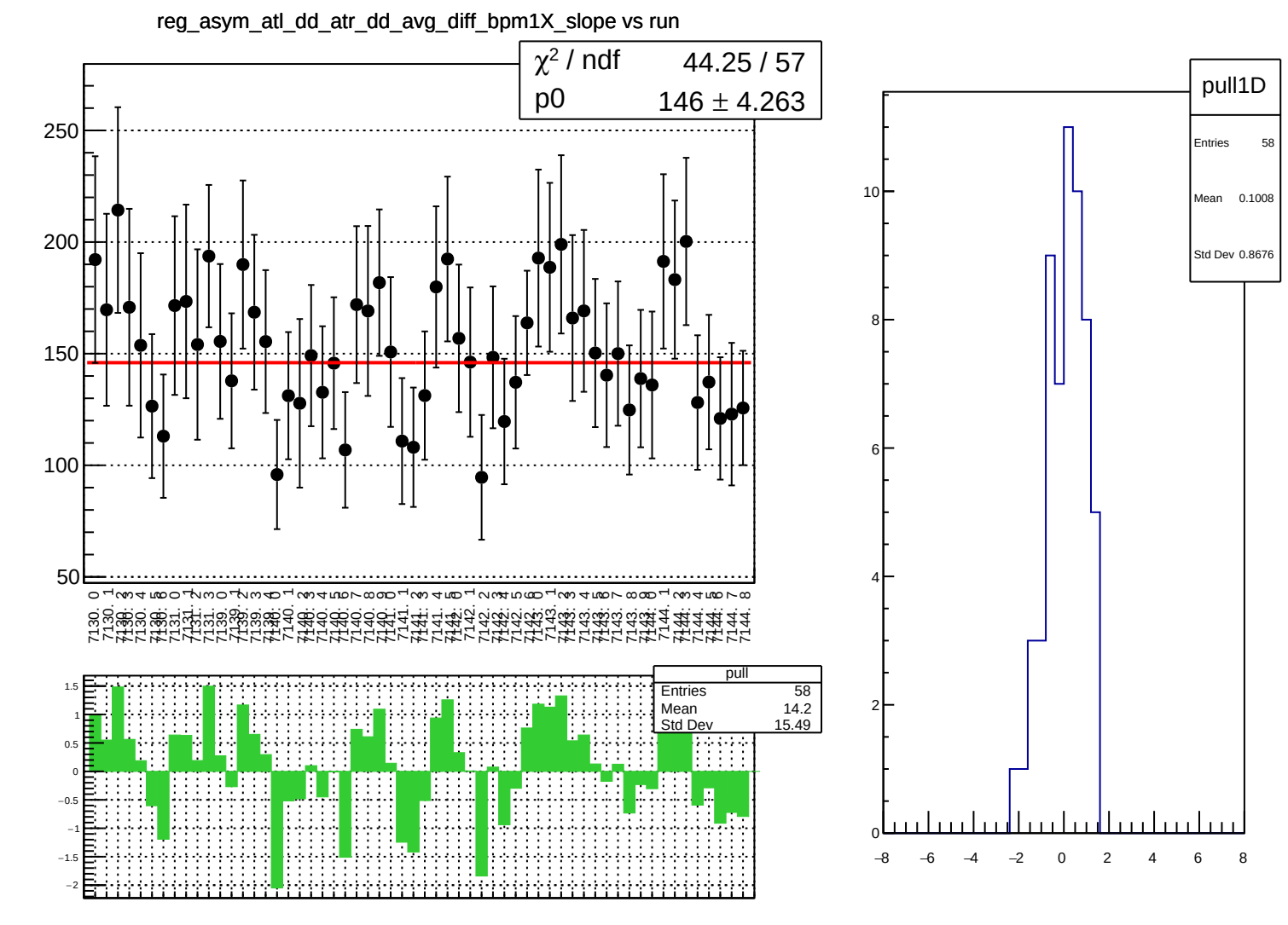

pull1D
Entries 58
Mean −0.08174
Std Dev 0.7806

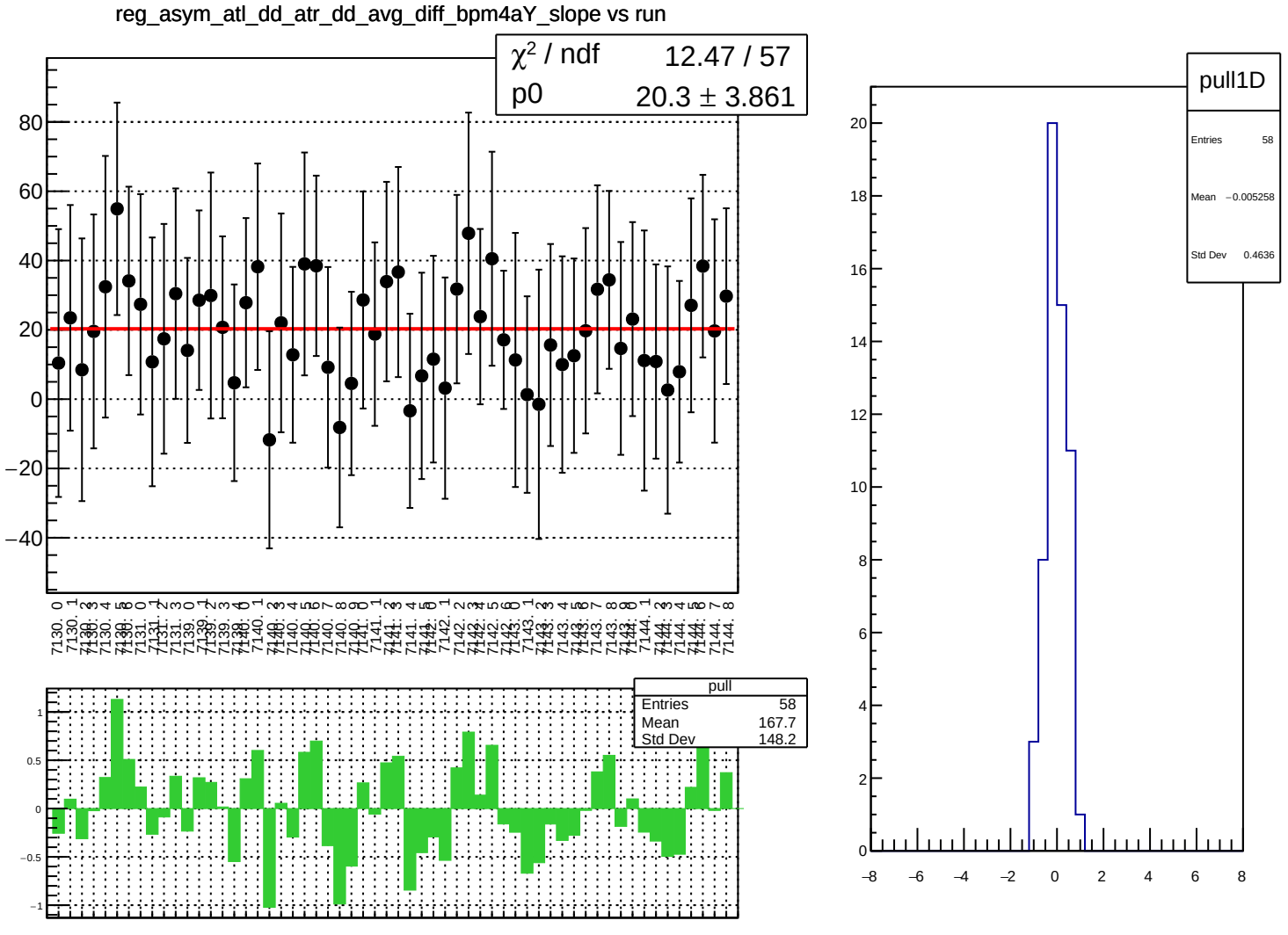

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.8 / 57
p0 −98.76 ± 4.51
pull
Entries 58
Mean 147.6
Std Dev 122.4

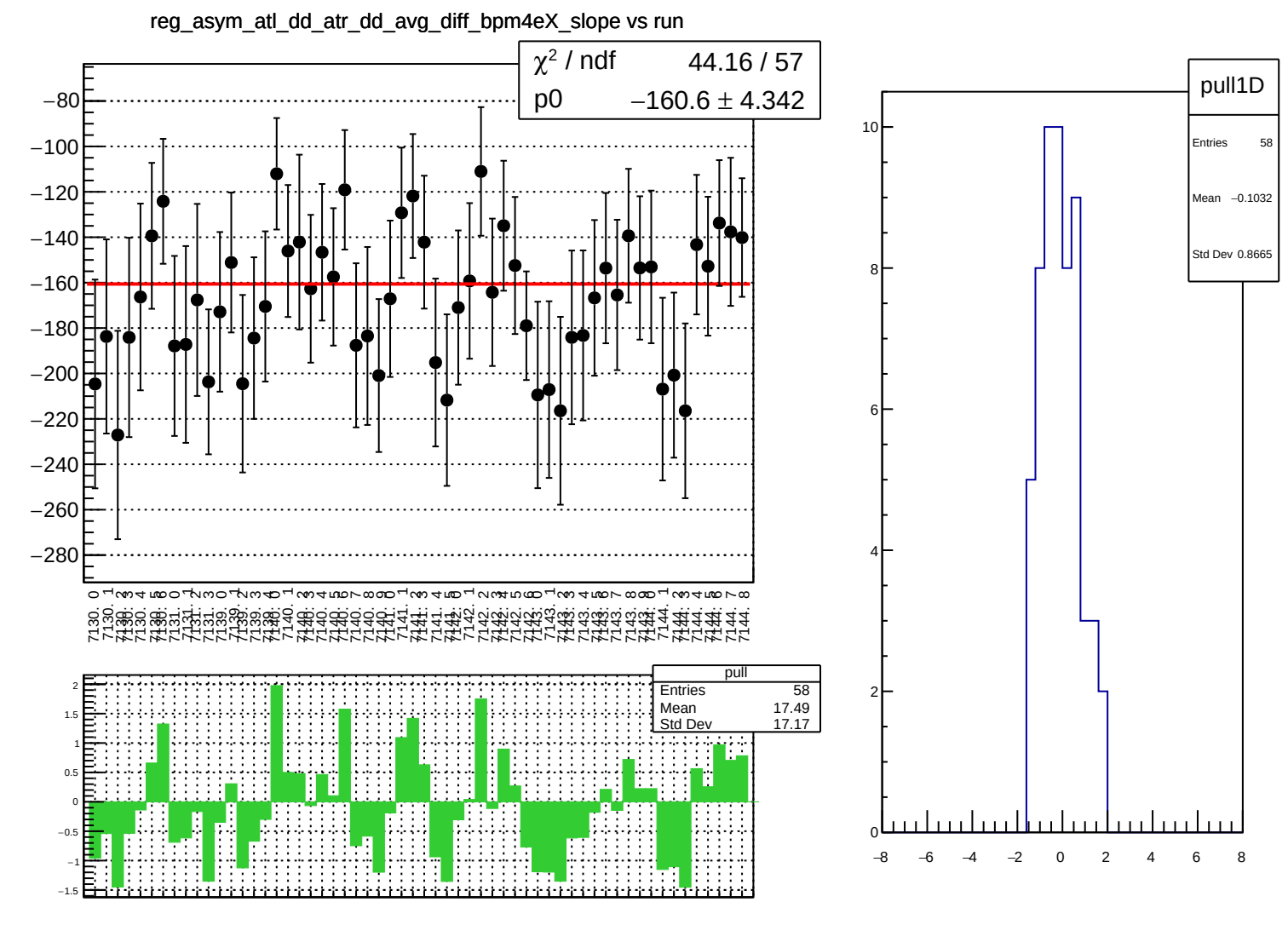

pull1D
Entries 58
Mean 0.007498
Std Dev 0.4878

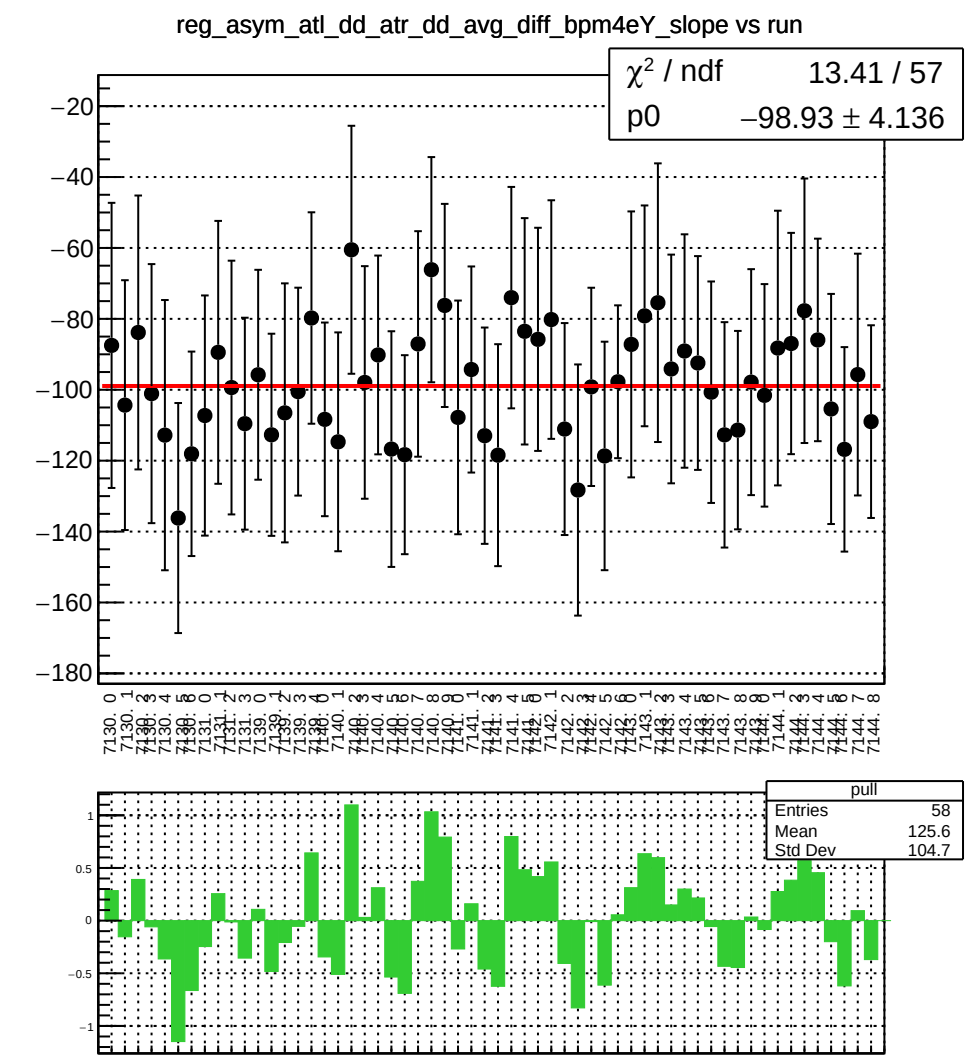

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 12.89 / 57
p0 135.6 ± 0.2106
pull
Entries 58
Mean 336.3
Std Dev 381.5

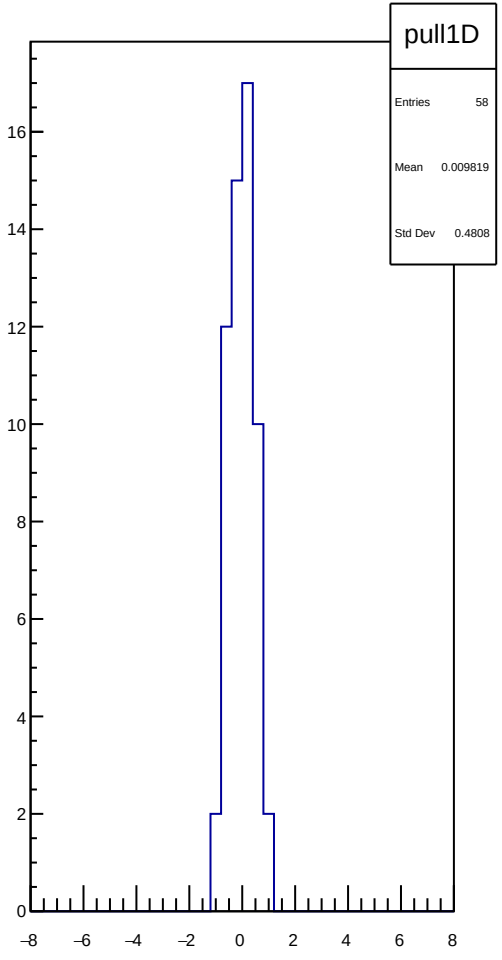

pull1D
Entries 58
Mean −0.0003614
Std Dev 0.4715

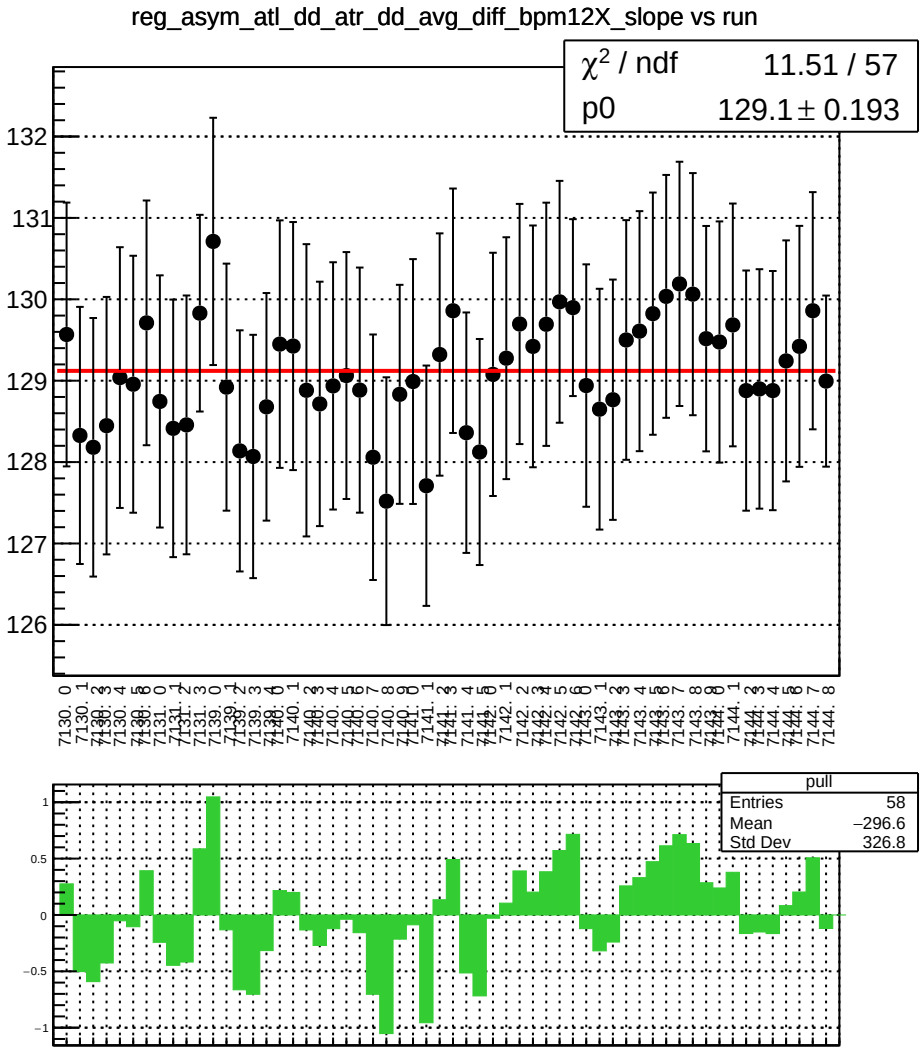

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 44.25 / 57
p0 146 ± 4.263
250
200
150
100
50
pull
Entries 58
Mean 14.2
Std Dev 15.49
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean 0.1008
Std Dev 0.8676
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

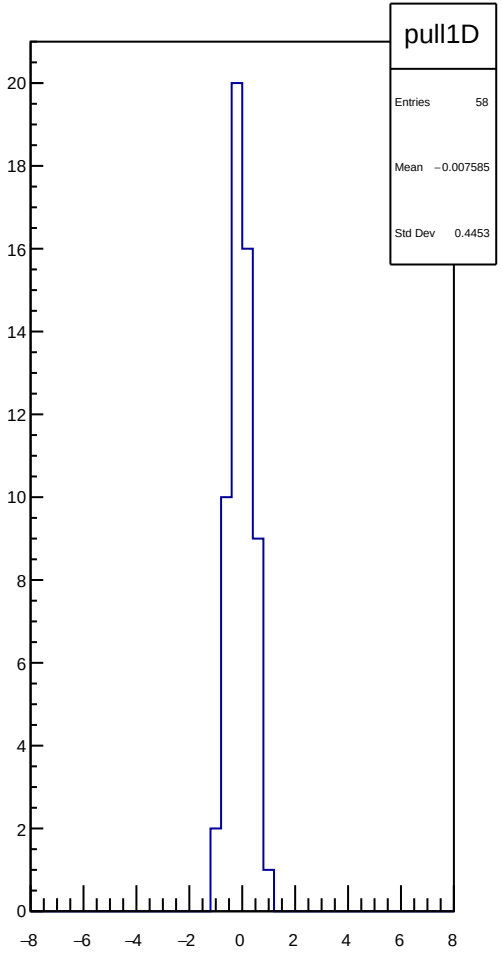

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.47 / 57
p0 20.3 ± 3.861
pull
Entries 58
Mean 167.7
Std Dev 148.2
pull1D
Entries 58
Mean −0.005258
Std Dev 0.4636

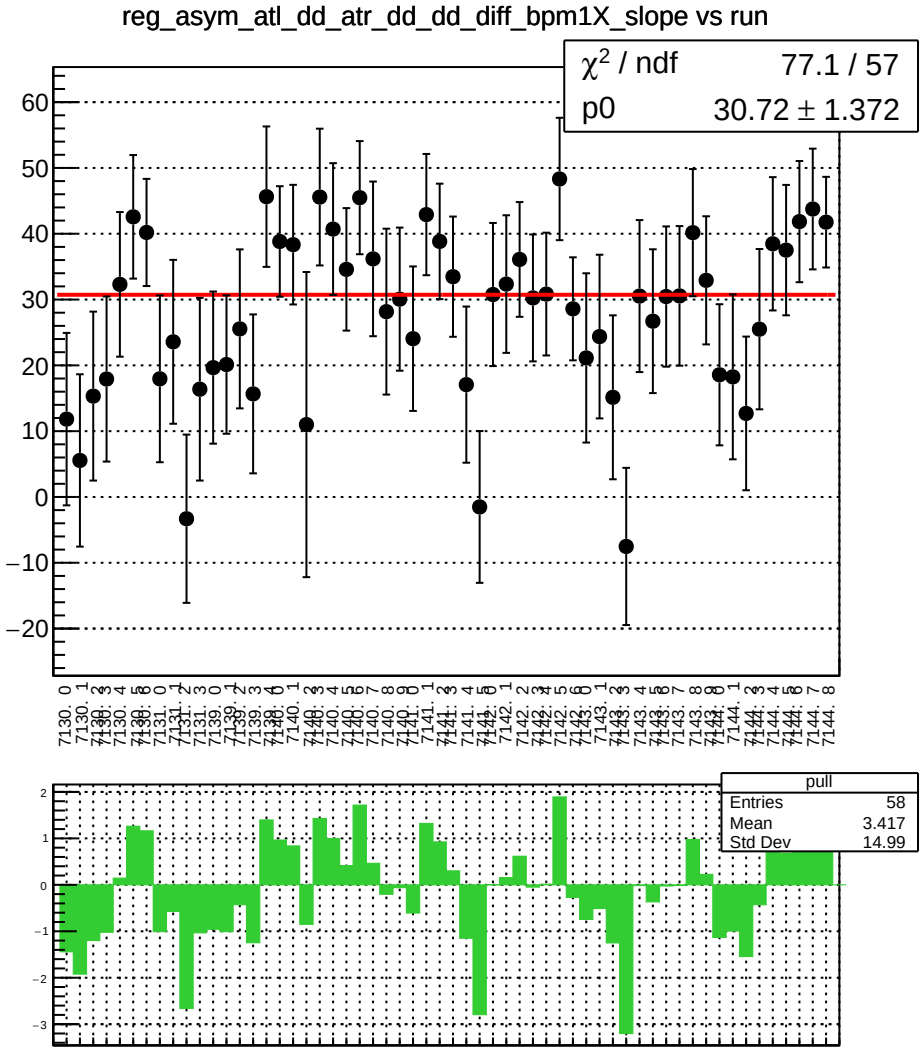

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.16 / 57
p0 −160.6 ± 4.342
pull
Entries 58
Mean 17.49
Std Dev 17.17
pull1D
Entries 58
Mean −0.1032
Std Dev 0.8665

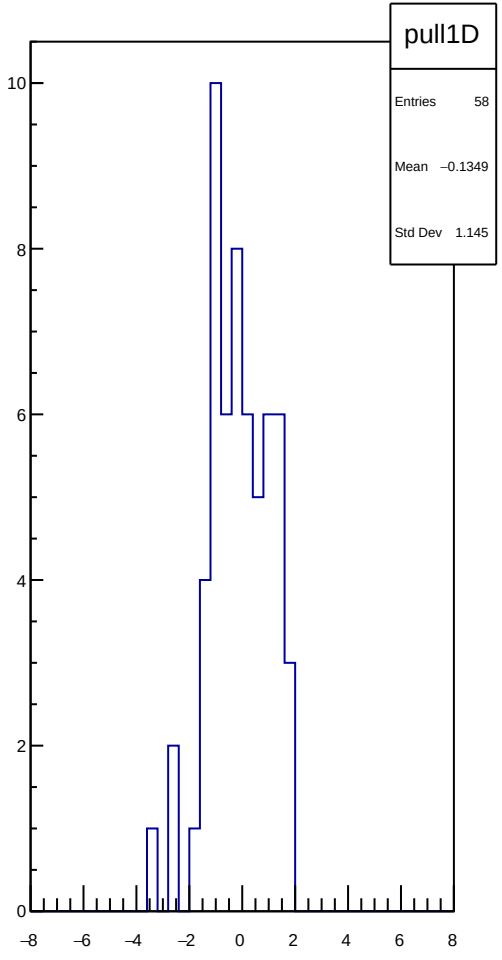

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.41 / 57
p0 −98.93 ± 4.136
pull
Entries 58
Mean 125.6
Std Dev 104.7

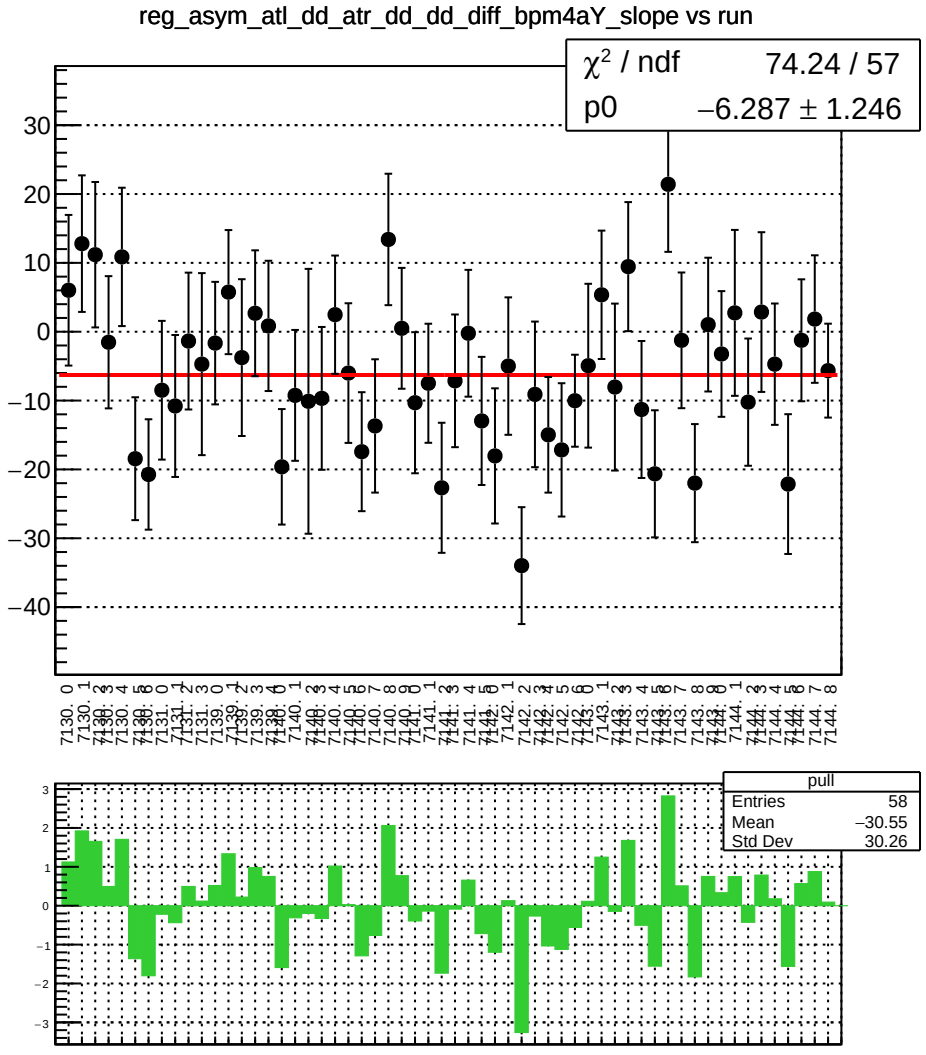

pull1D
Entries 58
Mean 0.009819
Std Dev 0.4808

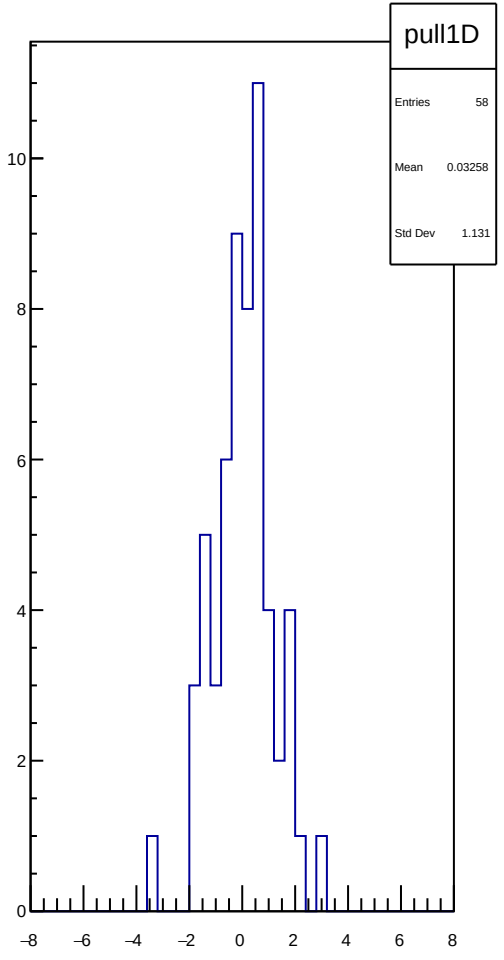

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 11.51 / 57
p0 129.1 ± 0.193
pull
Entries 58
Mean −296.6
Std Dev 326.8

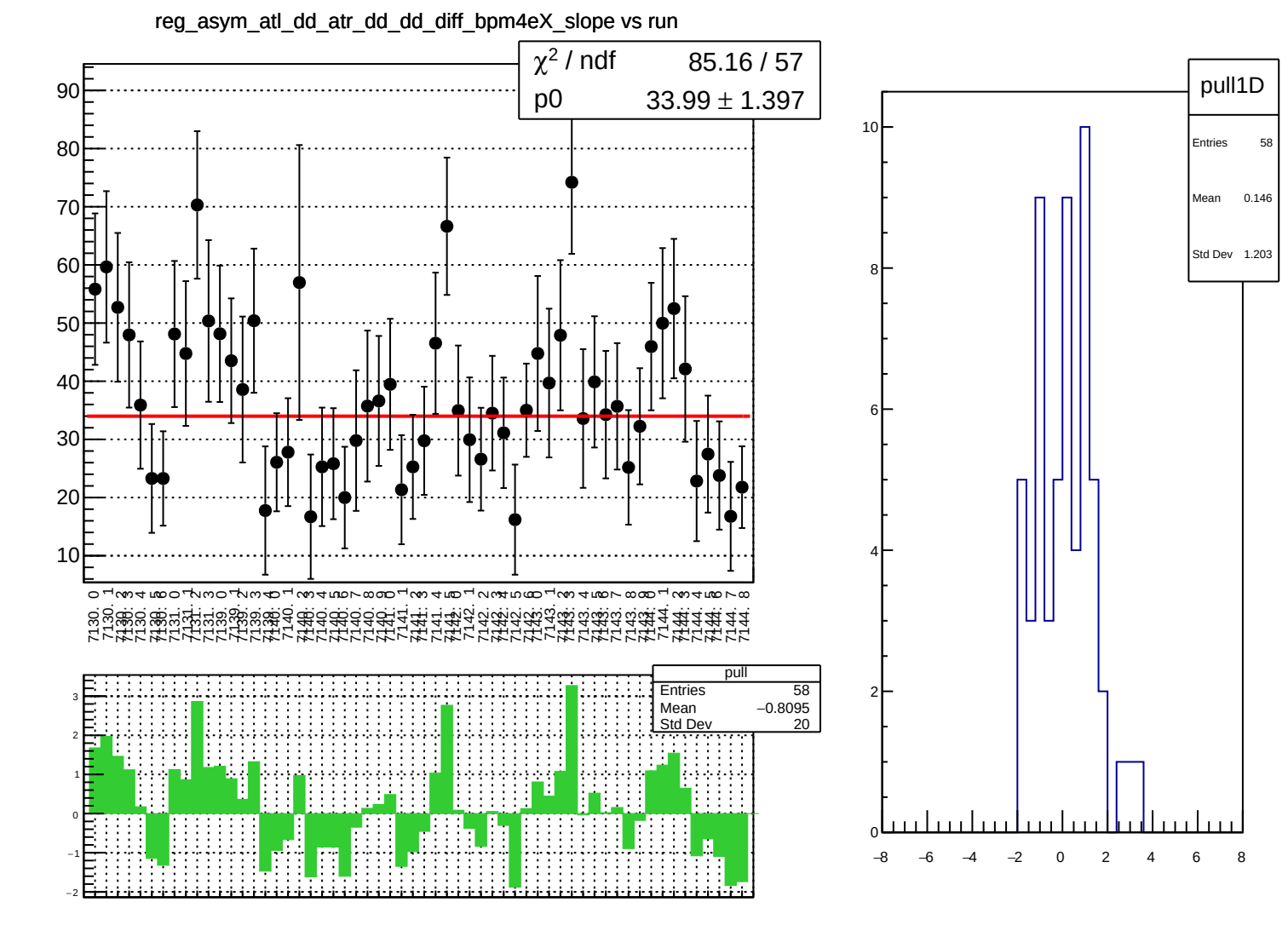

pull1D
Entries 58
Mean −0.007585
Std Dev 0.4453

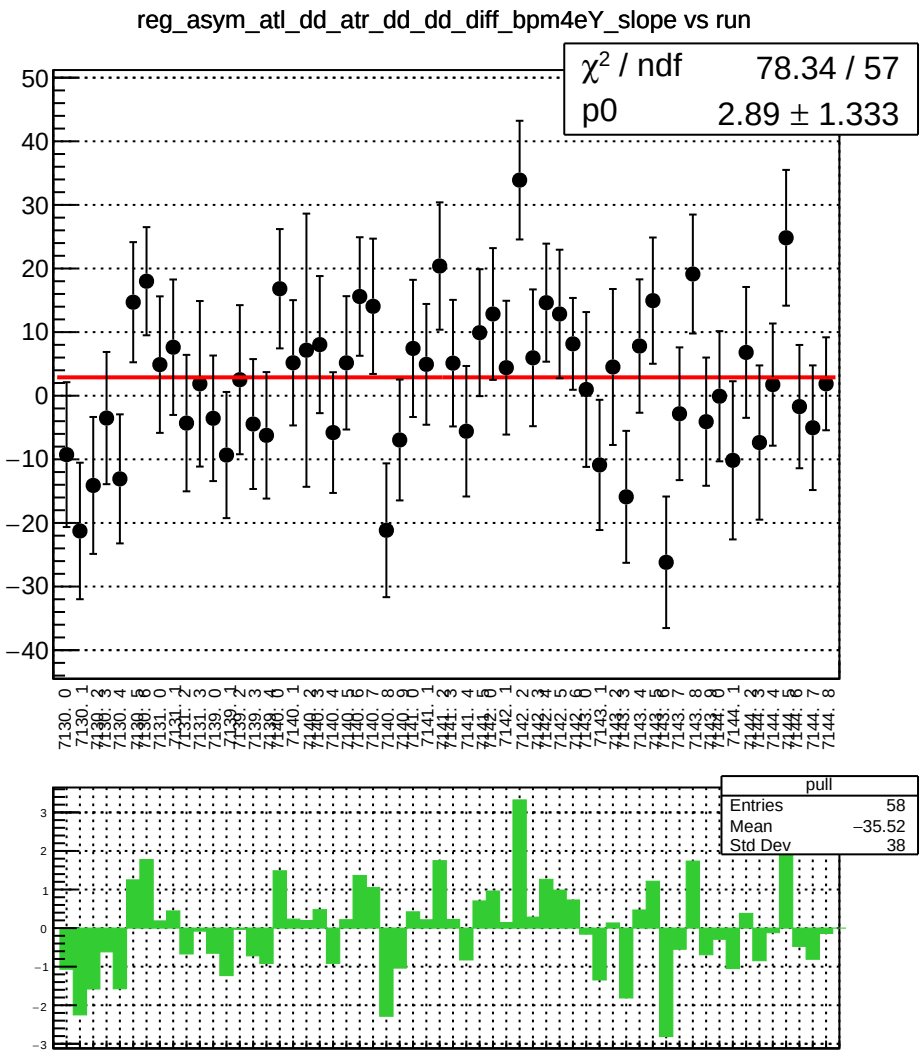

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 77.1 / 57
p0 30.72 ± 1.372
pull
Entries 58
Mean 3.417
Std Dev 14.99

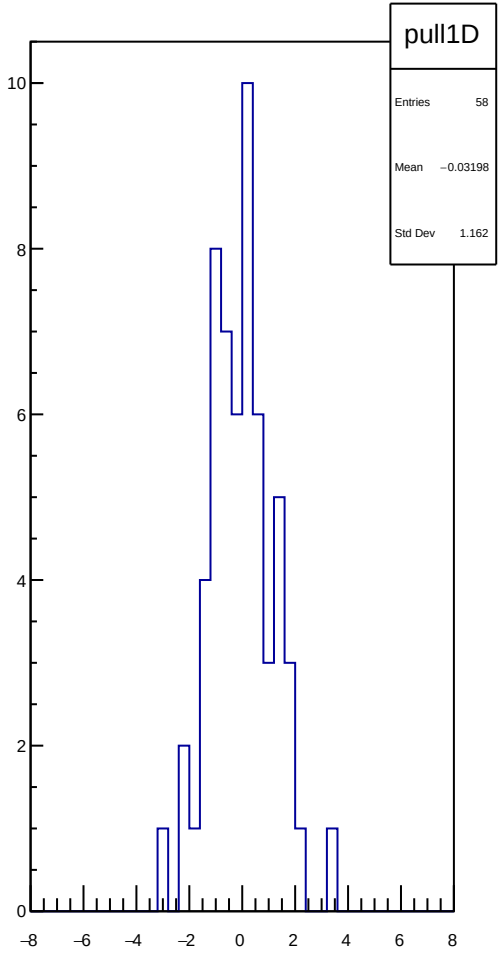

pull1D
Entries 58
Mean −0.1349
Std Dev 1.145

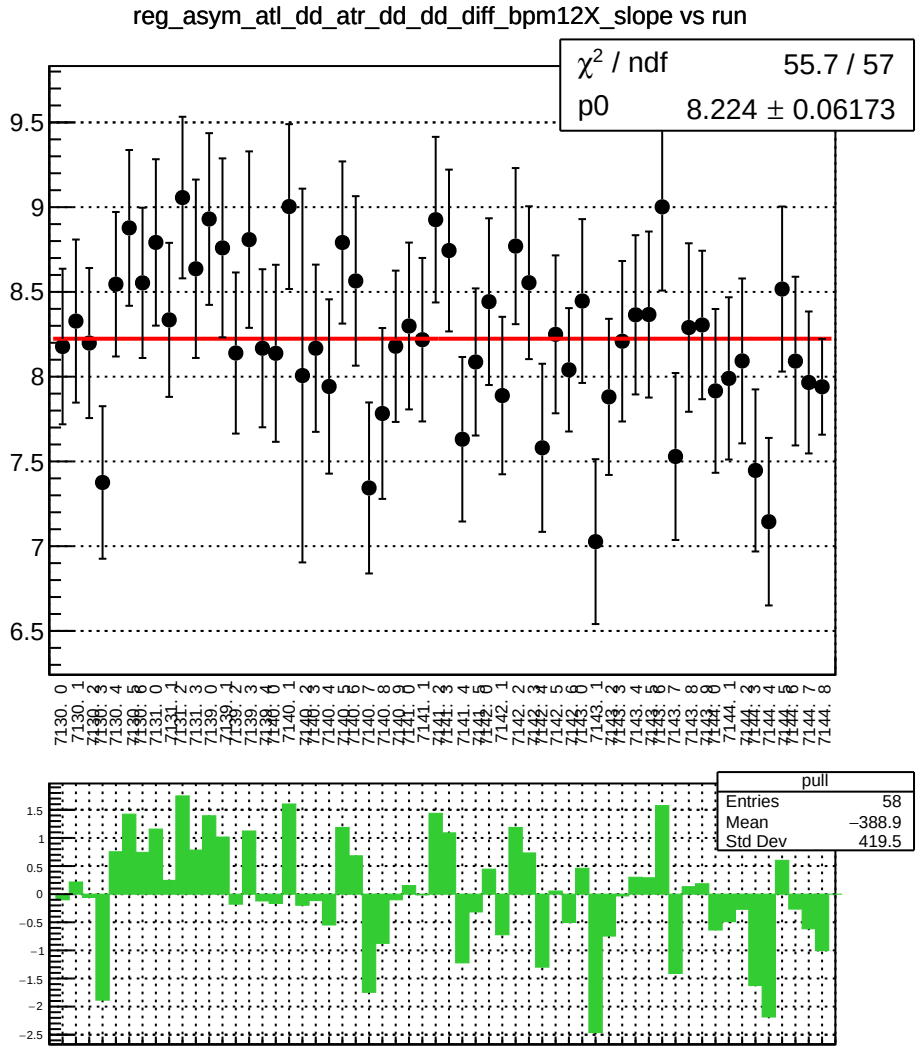

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.24 / 57
p0 −6.287 ± 1.246
pull
Entries 58
Mean −30.55
Std Dev 30.26

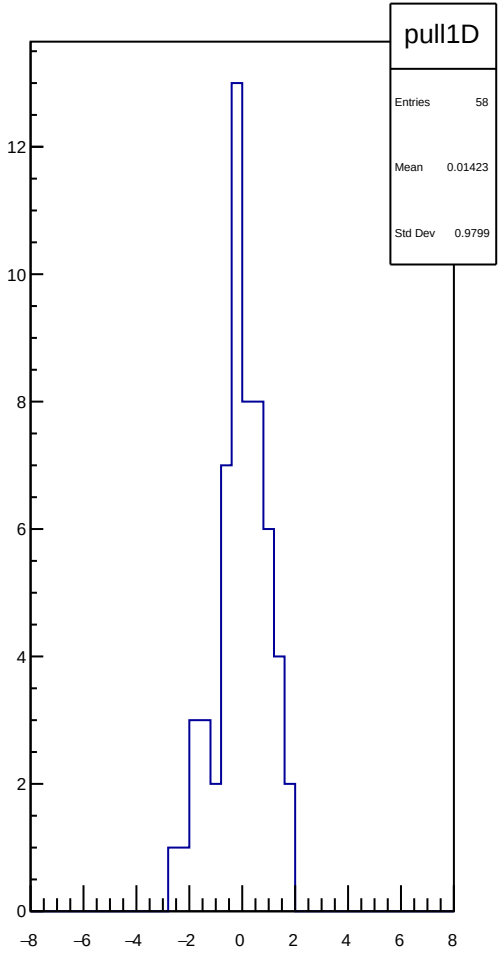

pull1D
Entries 58
Mean 0.03258
Std Dev 1.131

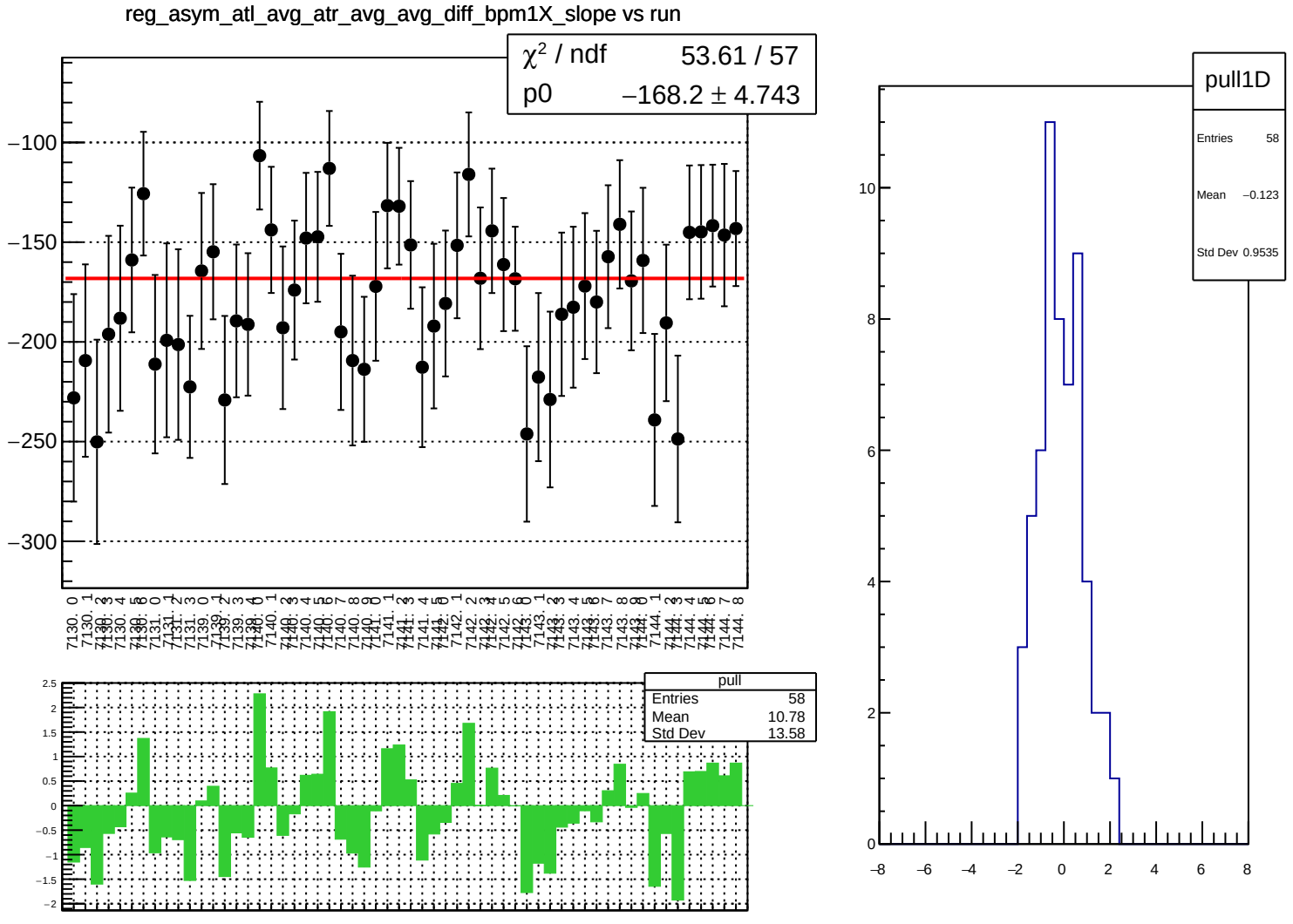

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.16 / 57
p0 33.99 ± 1.397
pull
Entries 58
Mean −0.8095
Std Dev 20
pull1D
Entries 58
Mean 0.146
Std Dev 1.203

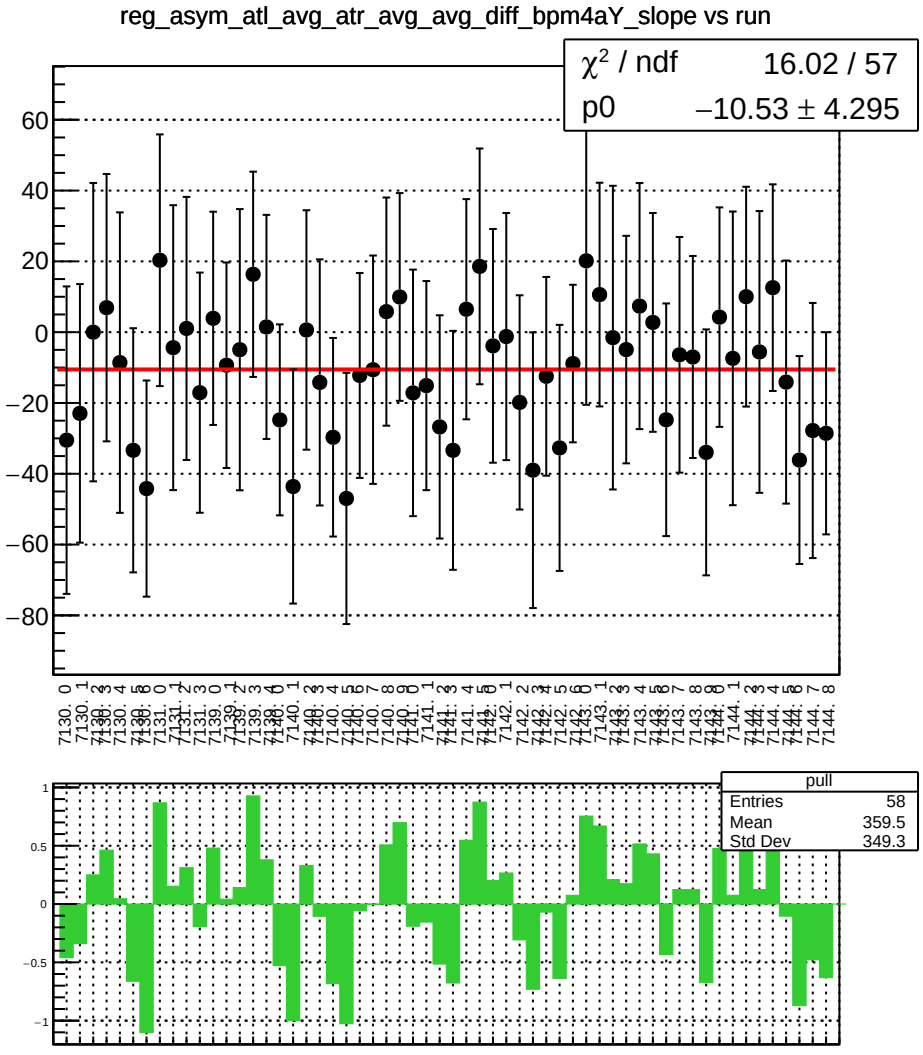

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.34 / 57
p0 2.89 ± 1.333
pull
Entries 58
Mean −35.52
Std Dev 38

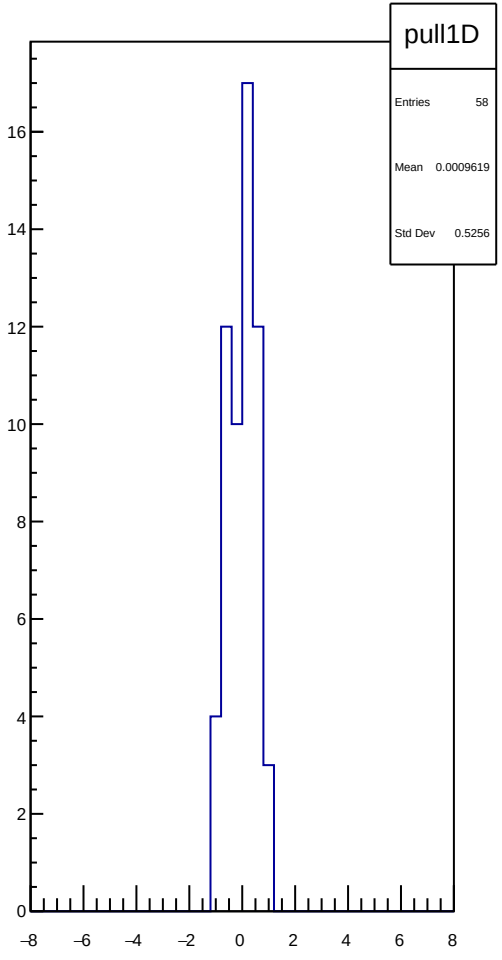

pull1D
Entries 58
Mean −0.03198
Std Dev 1.162

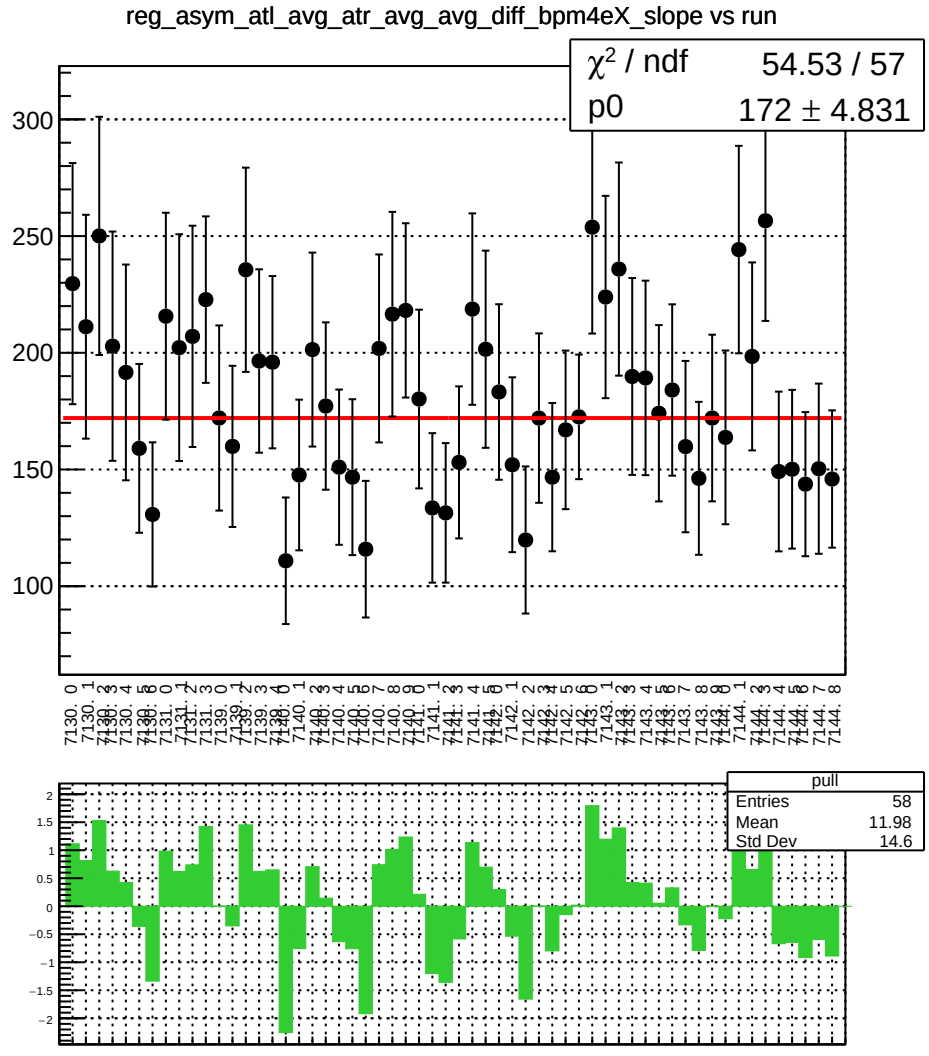

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 55.7 / 57
p0 8.224 ± 0.06173
pull
Entries 58
Mean −388.9
Std Dev 419.5

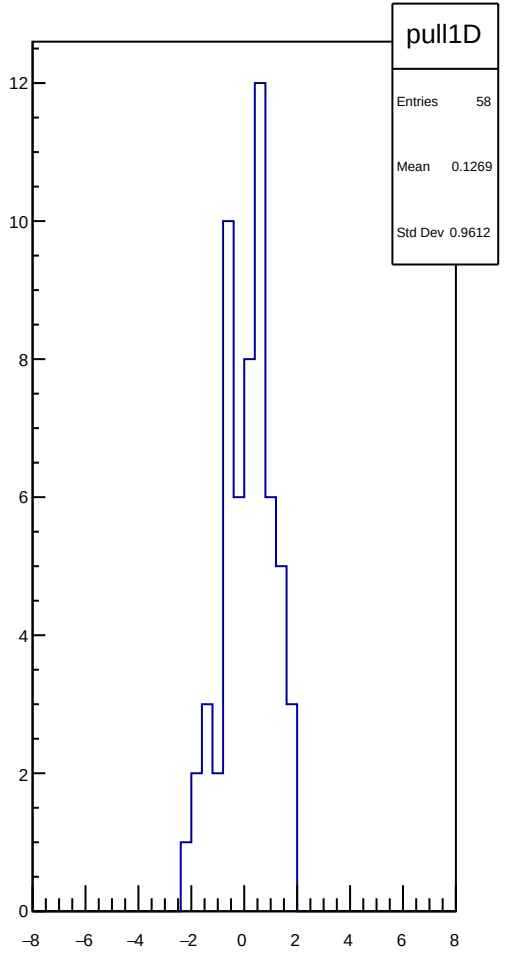

pull1D
Entries 58
Mean 0.01423
Std Dev 0.9799

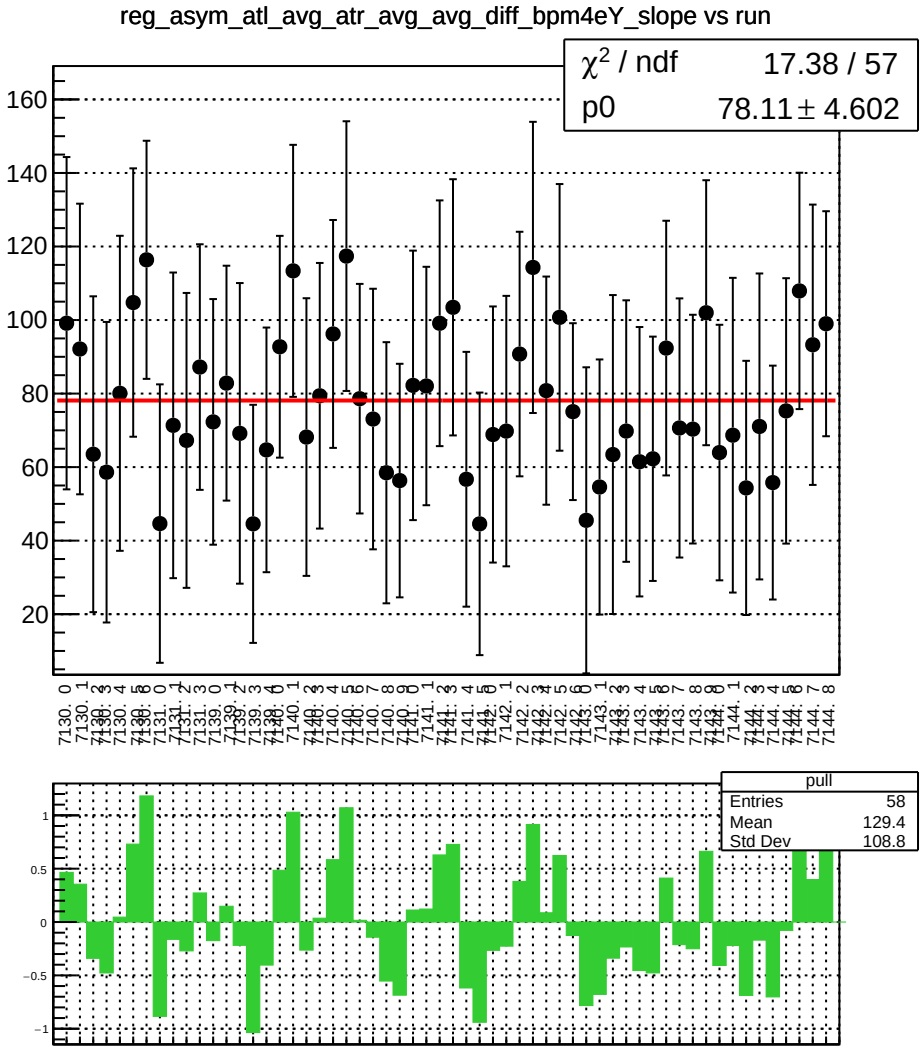

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 53.61 / 57
p0 −168.2 ± 4.743
pull
Entries 58
Mean 10.78
Std Dev 13.58
pull1D
Entries 58
Mean −0.123
Std Dev 0.9535

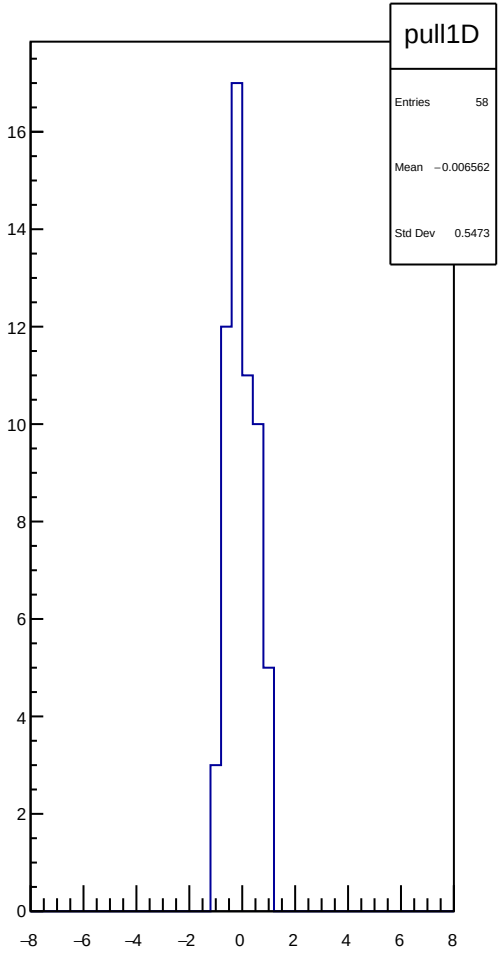

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.02 / 57
p0 −10.53 ± 4.295
pull
Entries 58
Mean 359.5
Std Dev 349.3

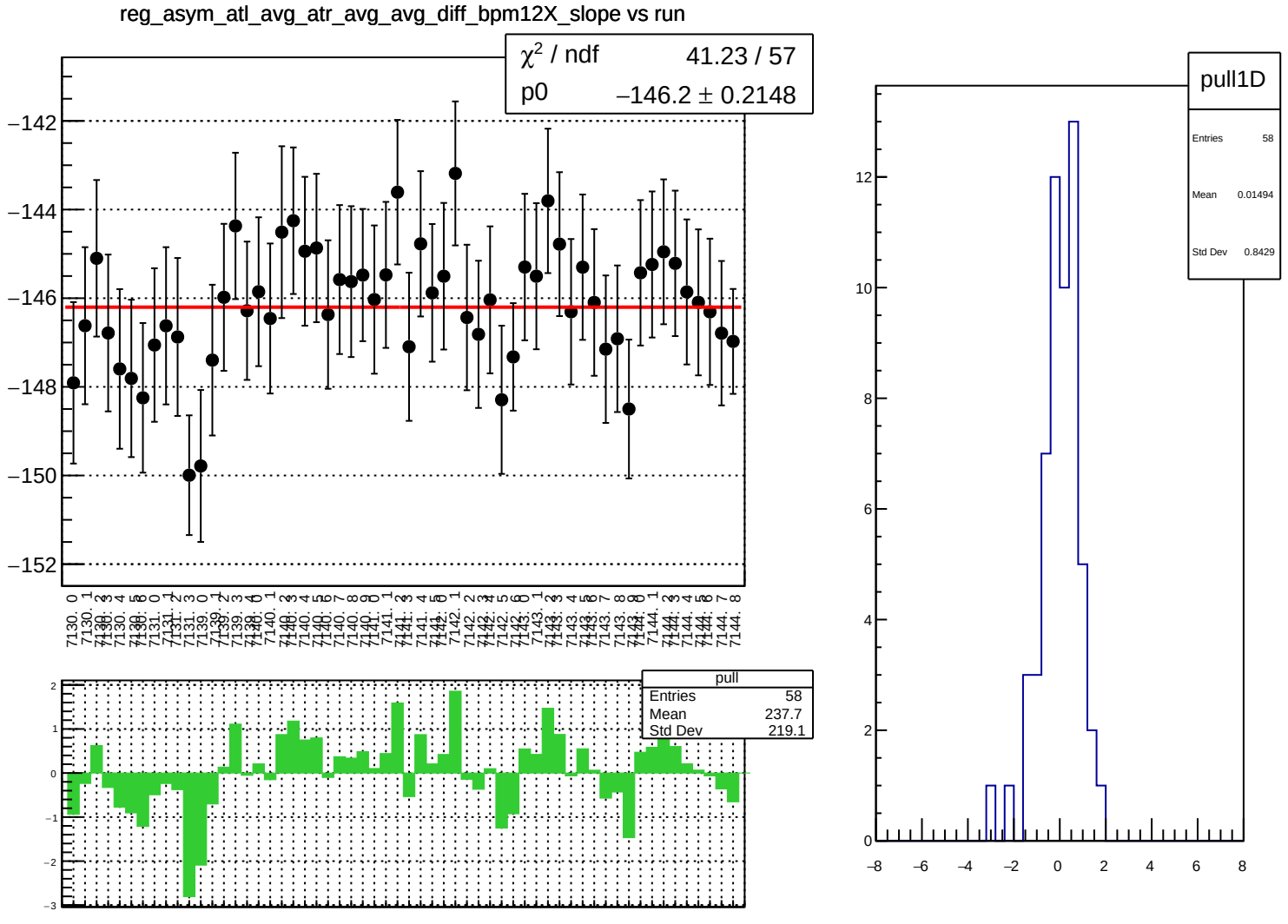

pull1D
Entries 58
Mean 0.0009619
Std Dev 0.5256

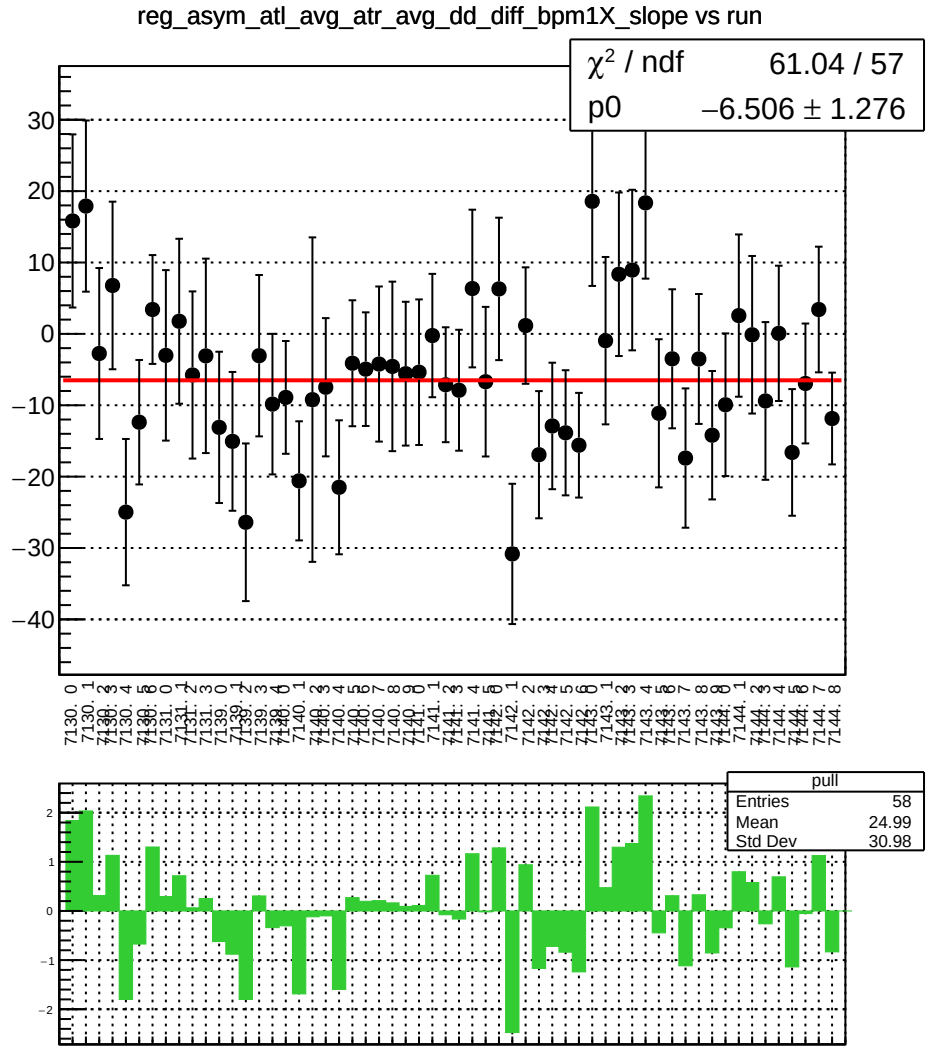

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.53 / 57
p0 172 ± 4.831
300
250
200
150
100
pull
Entries 58
Mean 11.98
Std Dev 14.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

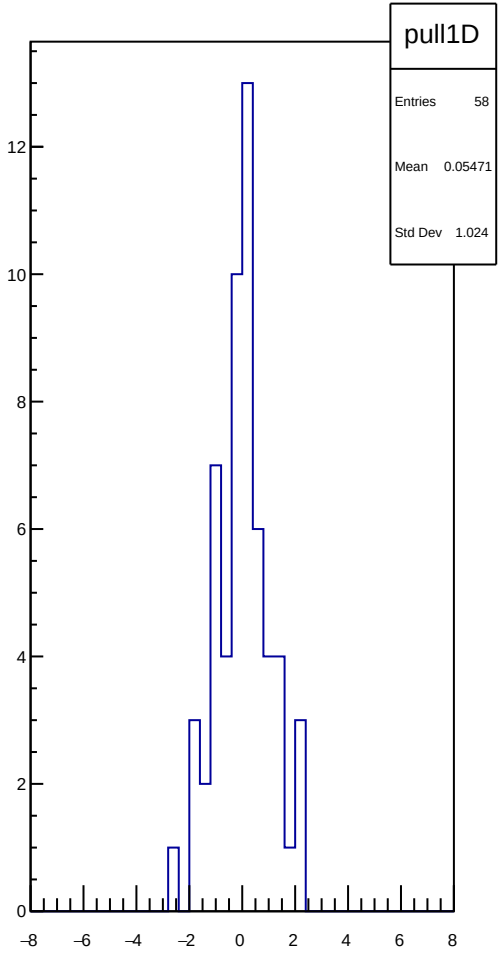

pull1D
Entries 58
Mean 0.1269
Std Dev 0.9612
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

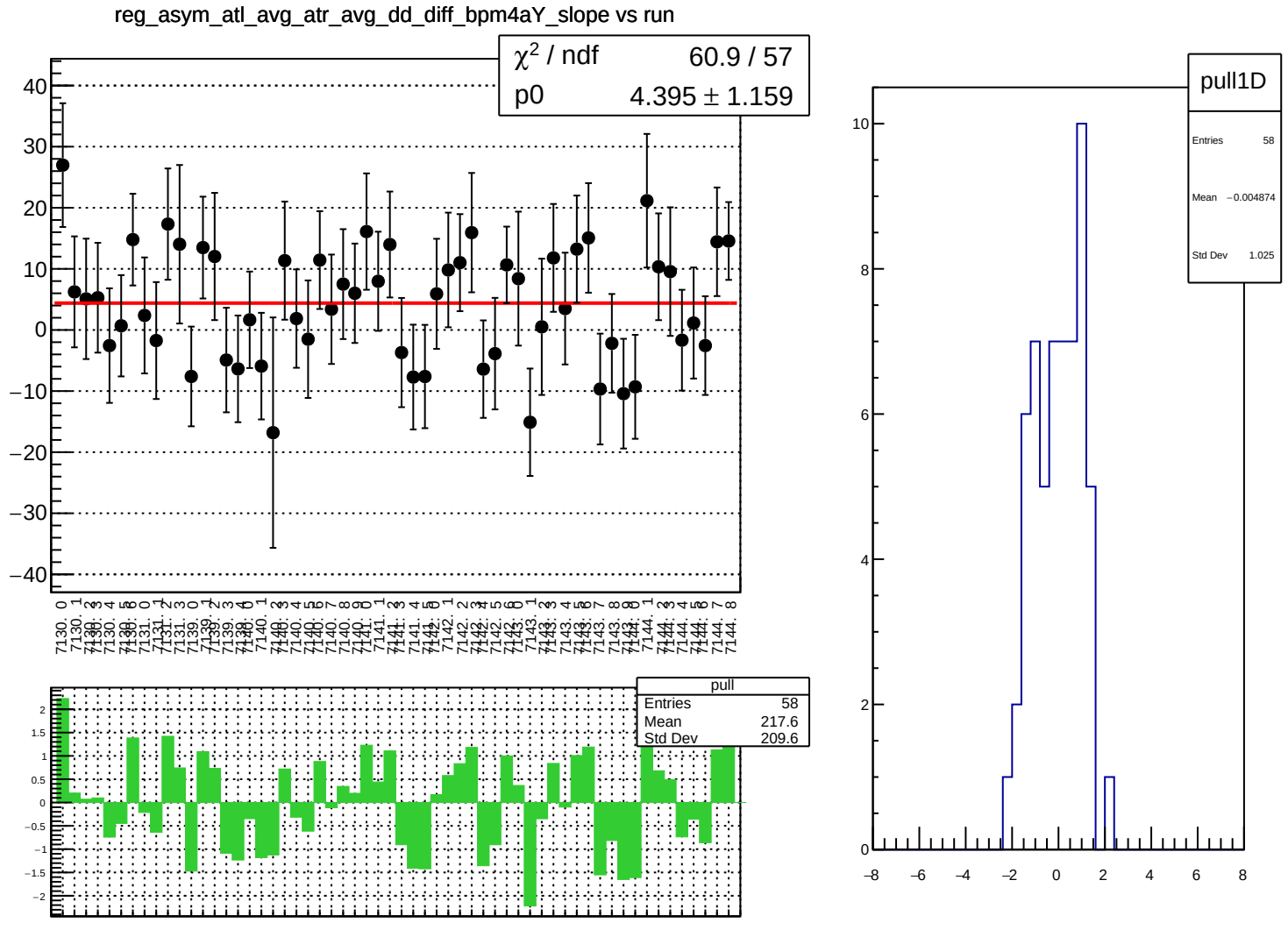

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.38 / 57
p0 78.11 ± 4.602
pull
Entries 58
Mean 129.4
Std Dev 108.8

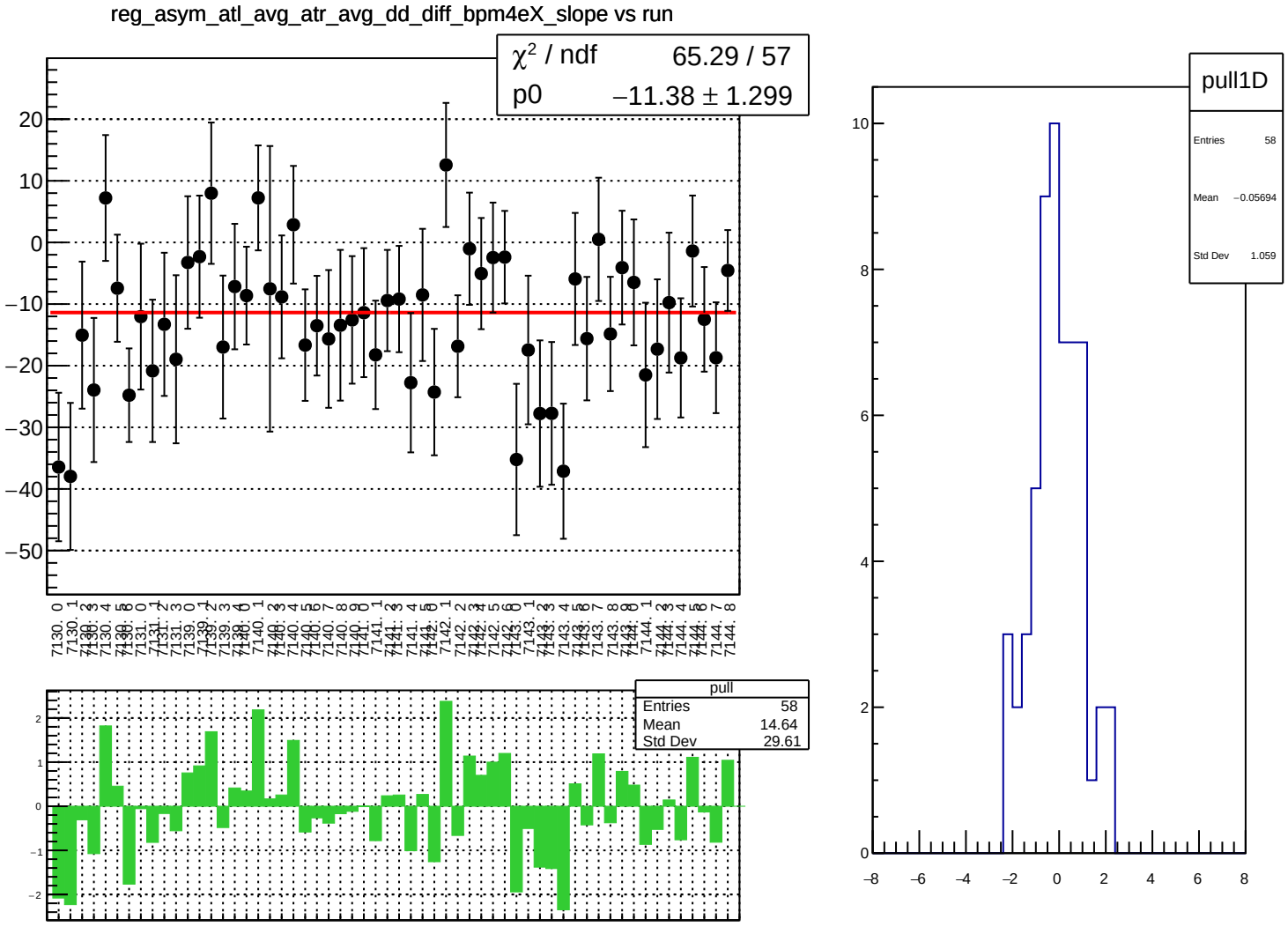

pull1D
Entries 58
Mean −0.006562
Std Dev 0.5473

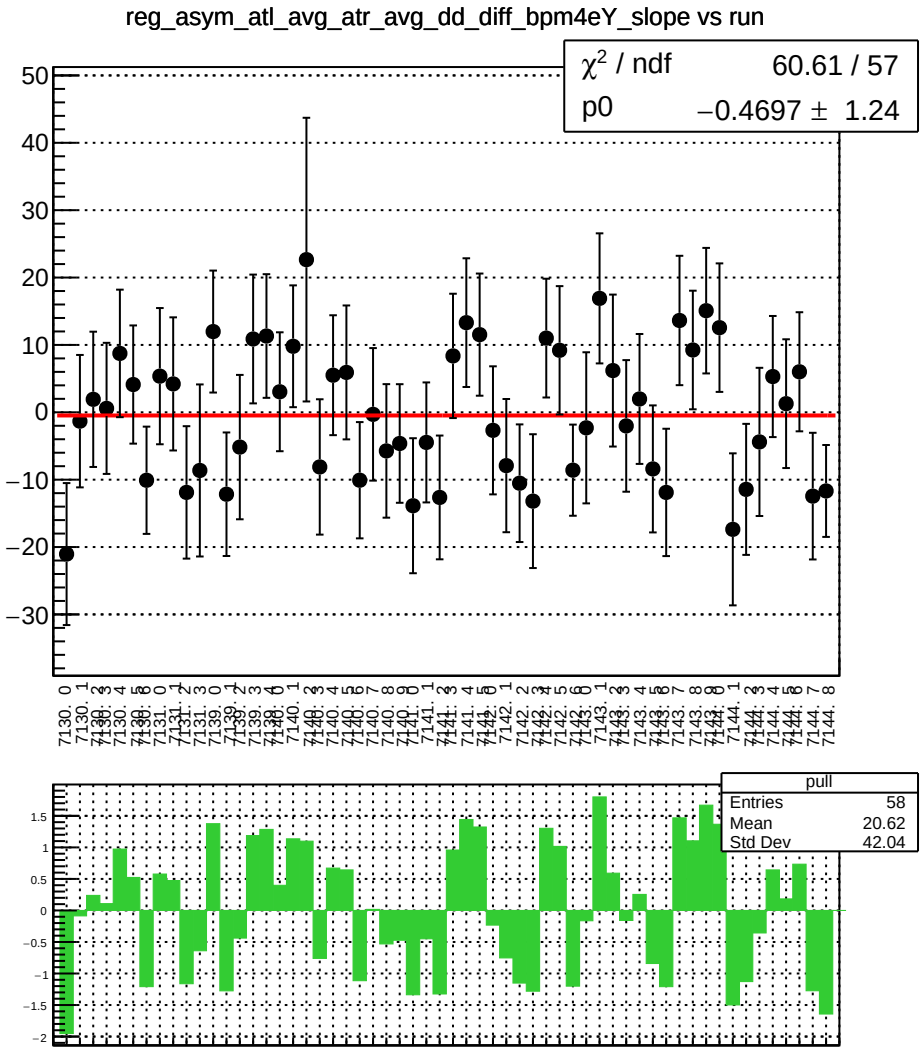

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 41.23 / 57
p0 −146.2 ± 0.2148
pull
Entries 58
Mean 237.7
Std Dev 219.1
pull1D
Entries 58
Mean 0.01494
Std Dev 0.8429

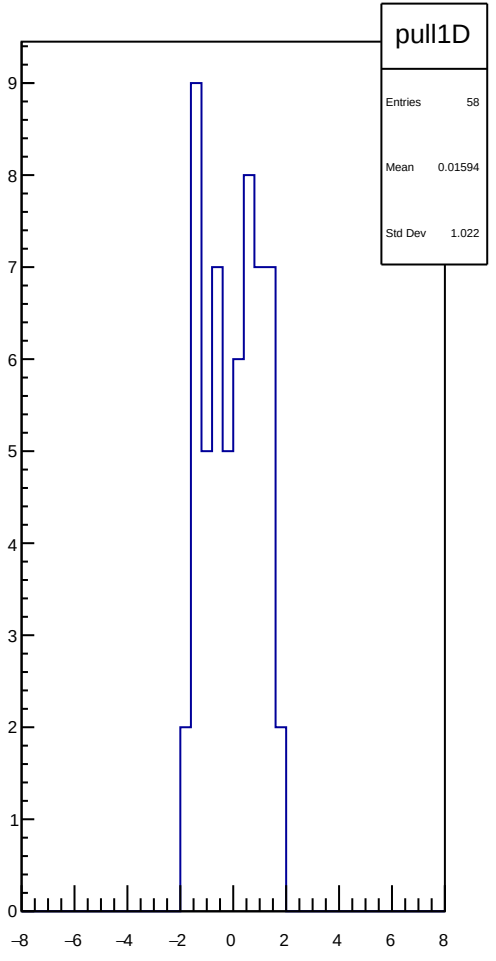

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 61.04 / 57
p0 −6.506 ± 1.276
pull
Entries 58
Mean 24.99
Std Dev 30.98

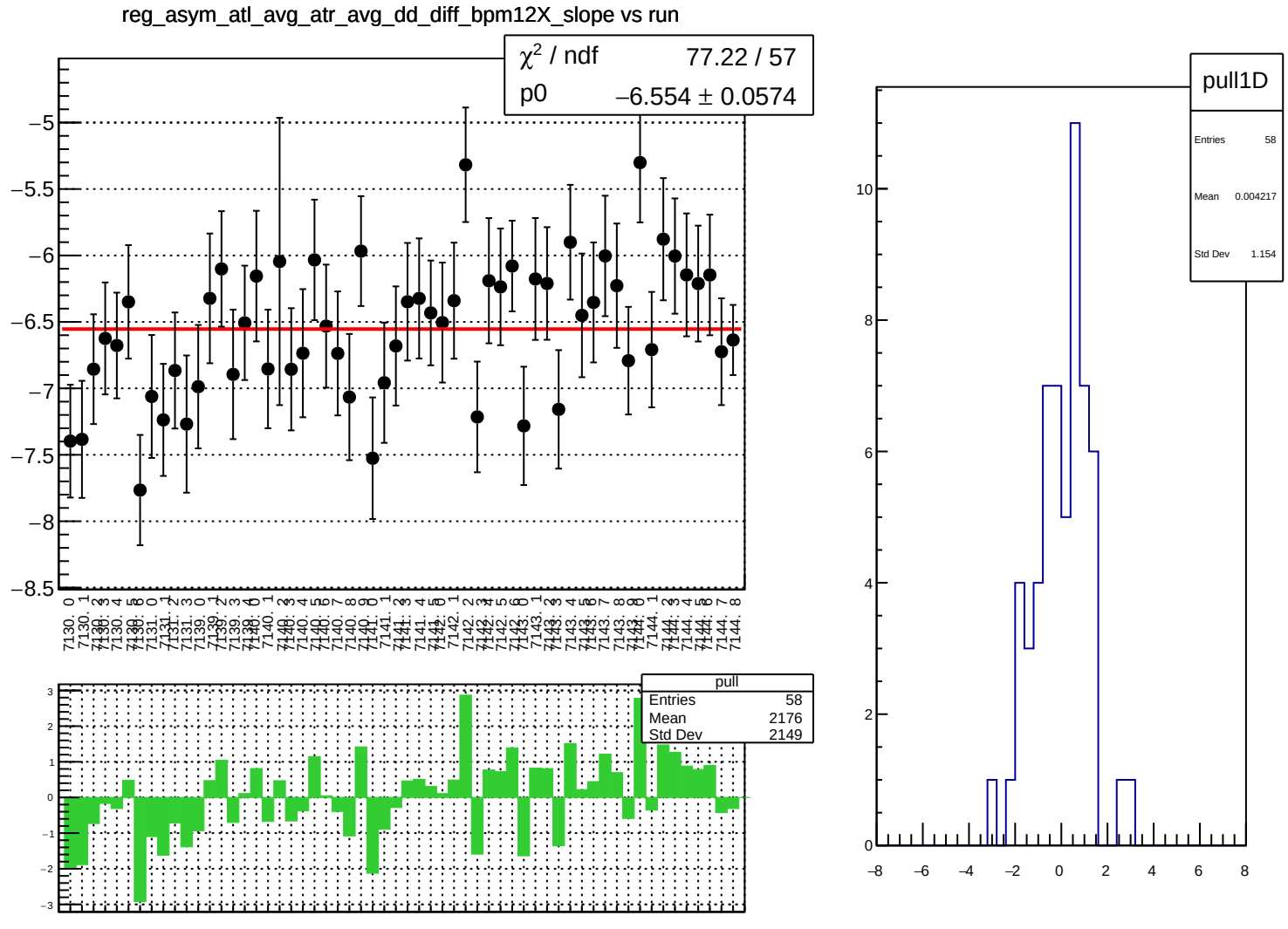

pull1D
Entries 58
Mean 0.05471
Std Dev 1.024

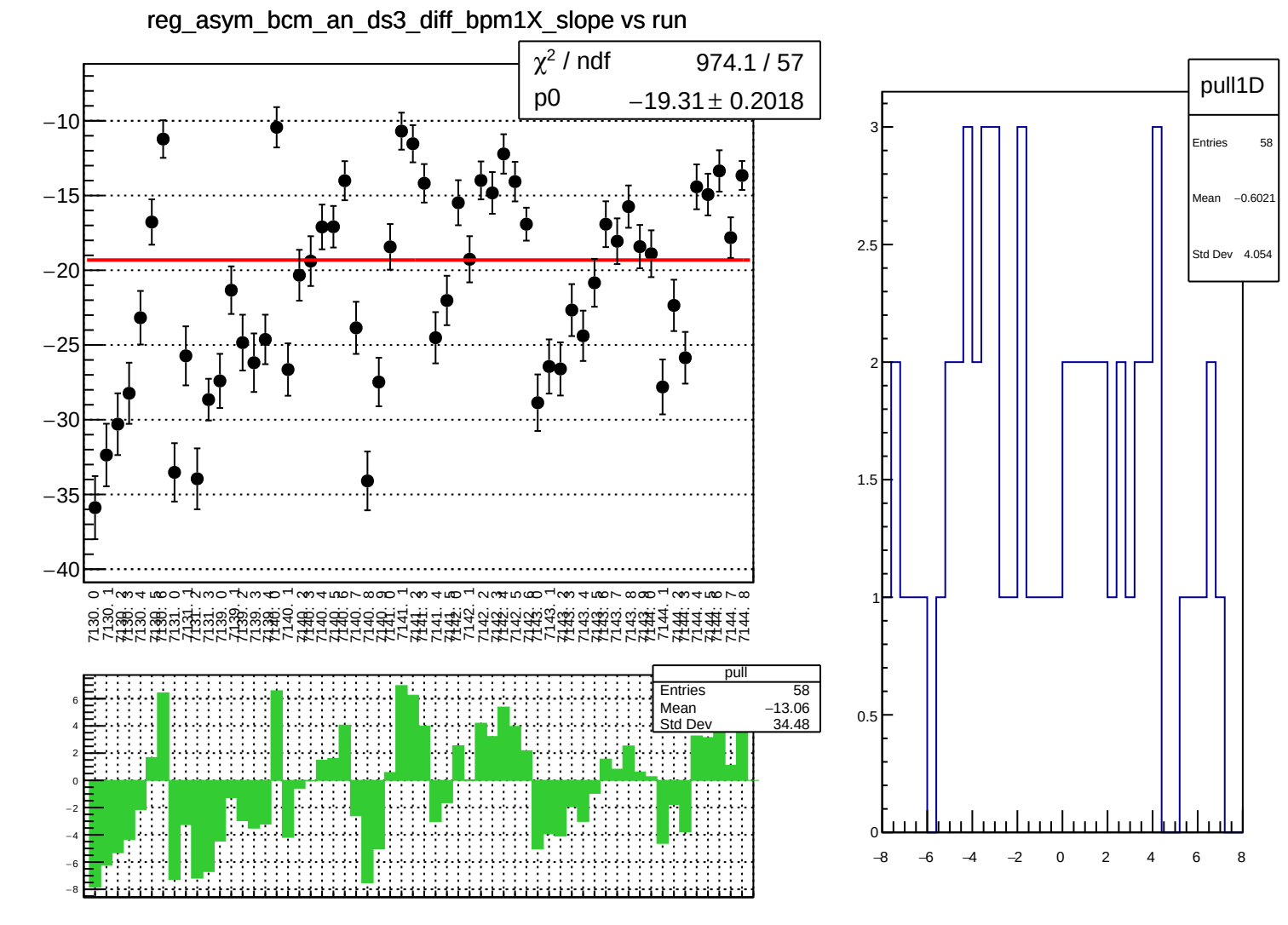

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.9 / 57
p0 4.395 ± 1.159
pull
Entries 58
Mean 217.6
Std Dev 209.6
pull1D
Entries 58
Mean −0.004874
Std Dev 1.025

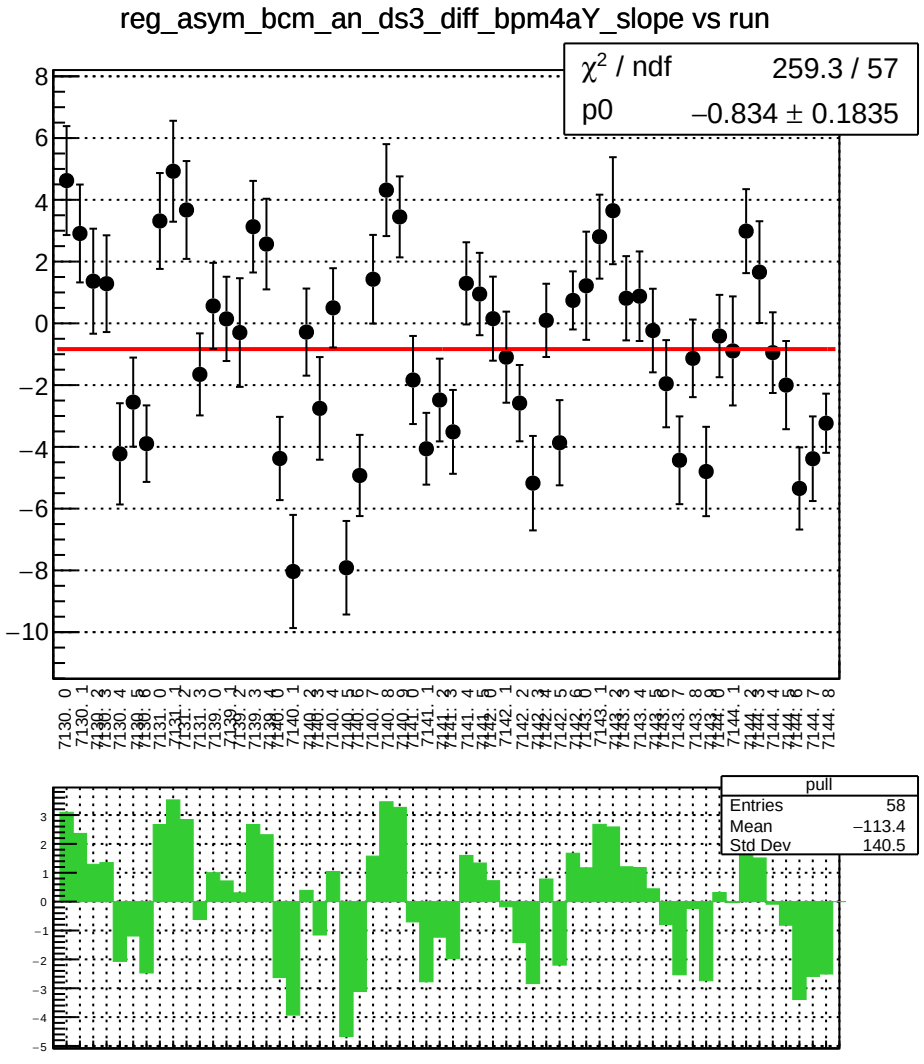

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.29 / 57
p0 −11.38 ± 1.299
pull
Entries 58
Mean 14.64
Std Dev 29.61
pull1D
Entries 58
Mean −0.05694
Std Dev 1.059

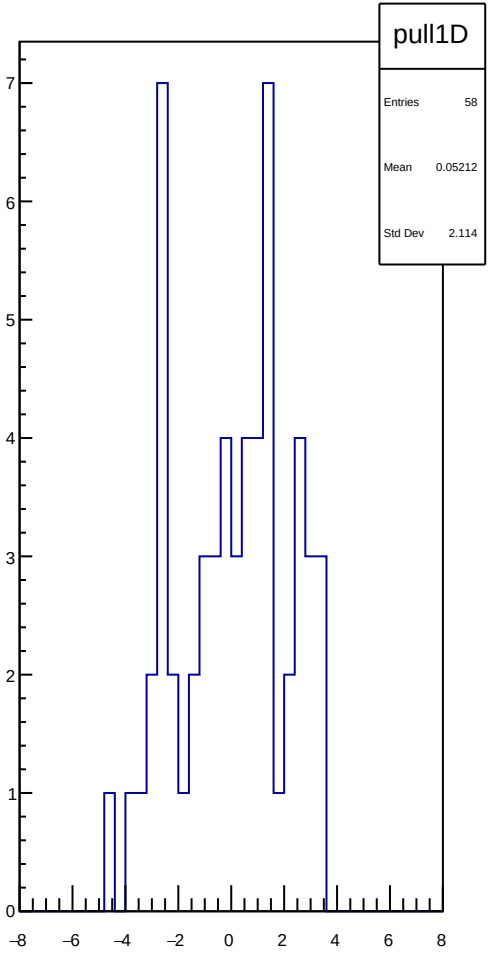

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.61 / 57
p0 −0.4697 ± 1.24
pull
Entries 58
Mean 20.62
Std Dev 42.04

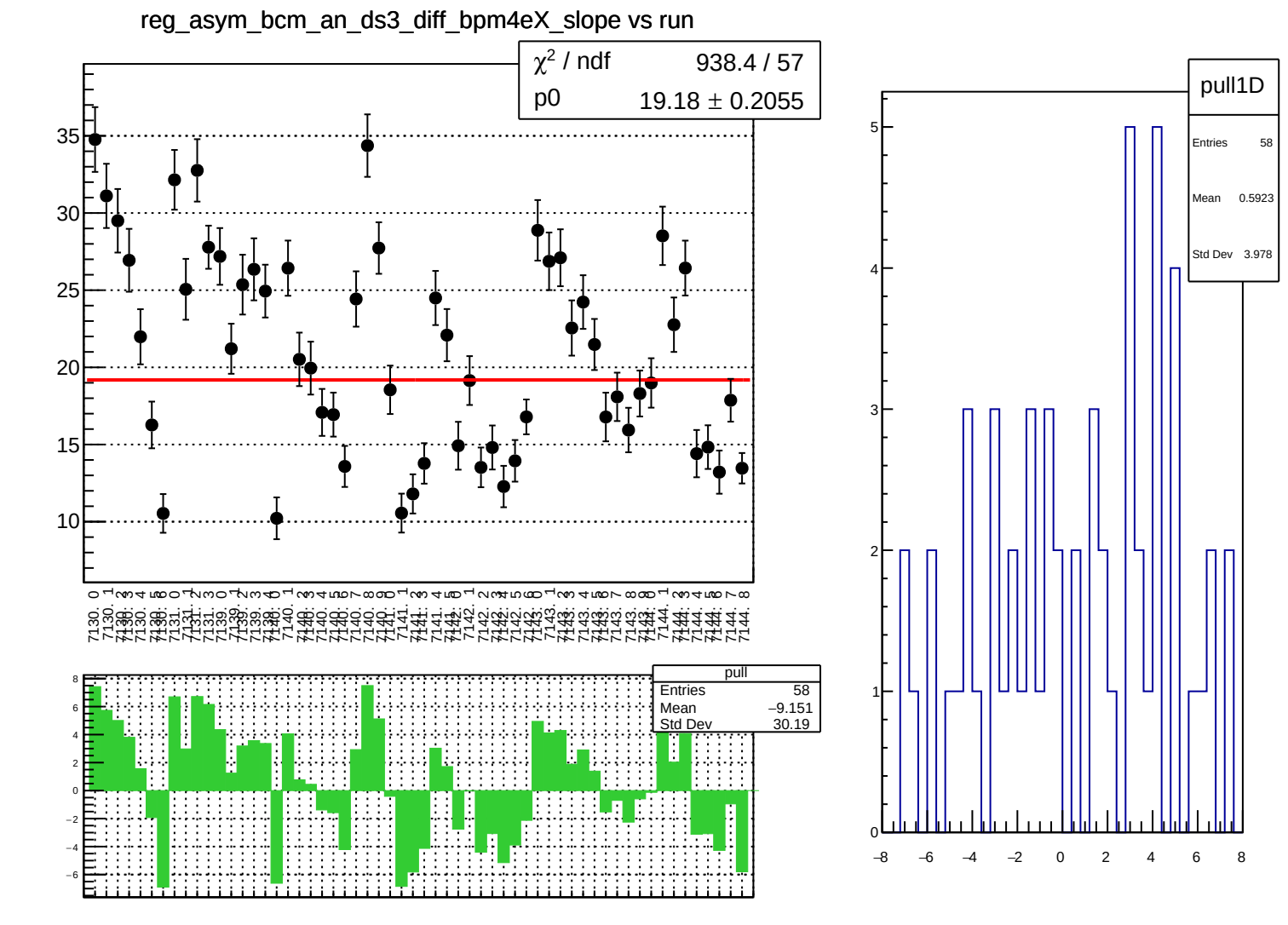

pull1D
Entries 58
Mean 0.01594
Std Dev 1.022

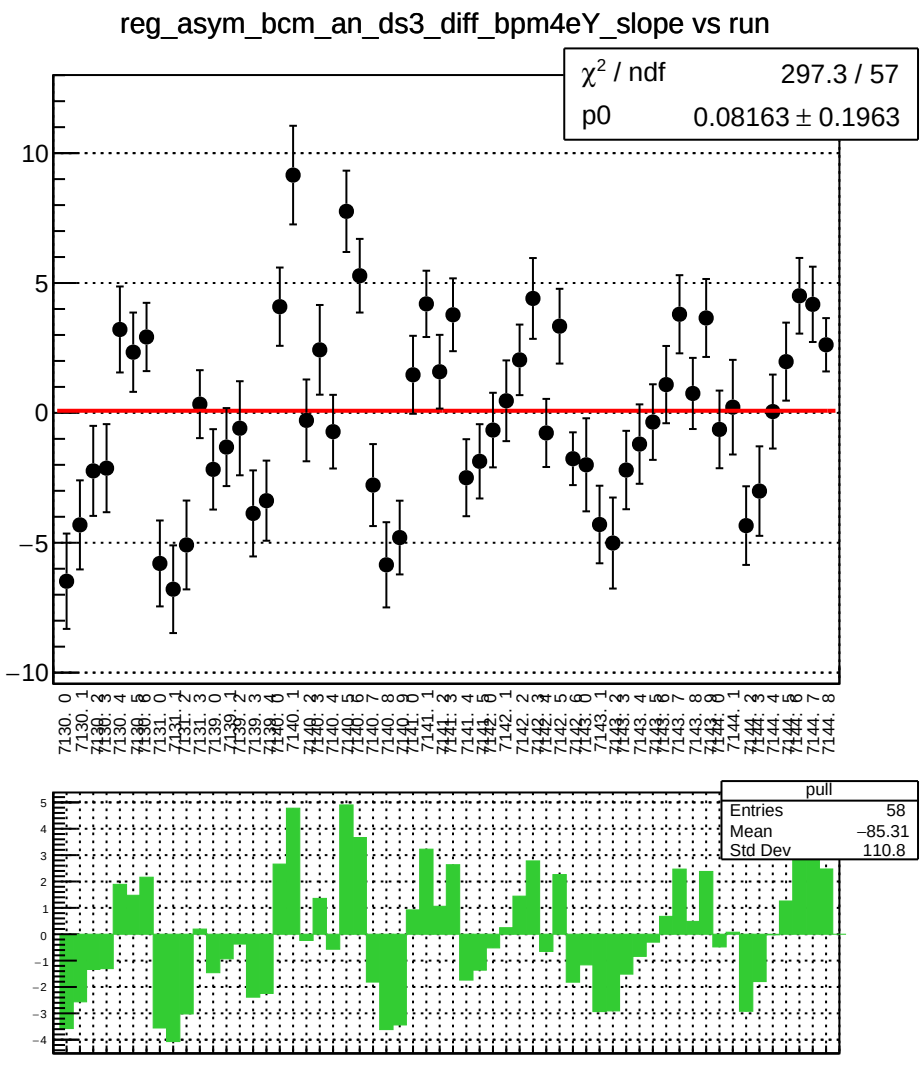

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 77.22 / 57
p0 −6.554 ± 0.0574
pull
Entries 58
Mean 2176
Std Dev 2149
pull1D
Entries 58
Mean 0.004217
Std Dev 1.154

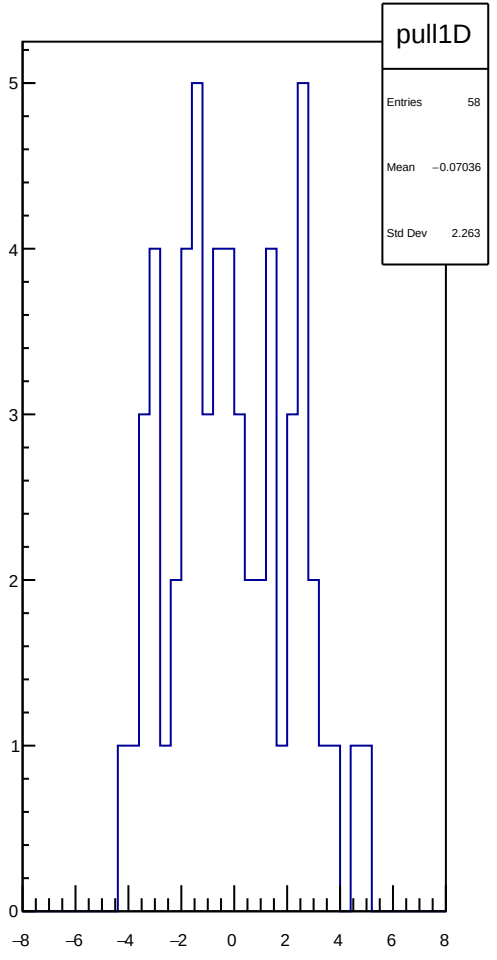

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 974.1 / 57
p0 −19.31 ± 0.2018
pull
Entries 58
Mean −13.06
Std Dev 34.48
pull1D
Entries 58
Mean −0.6021
Std Dev 4.054

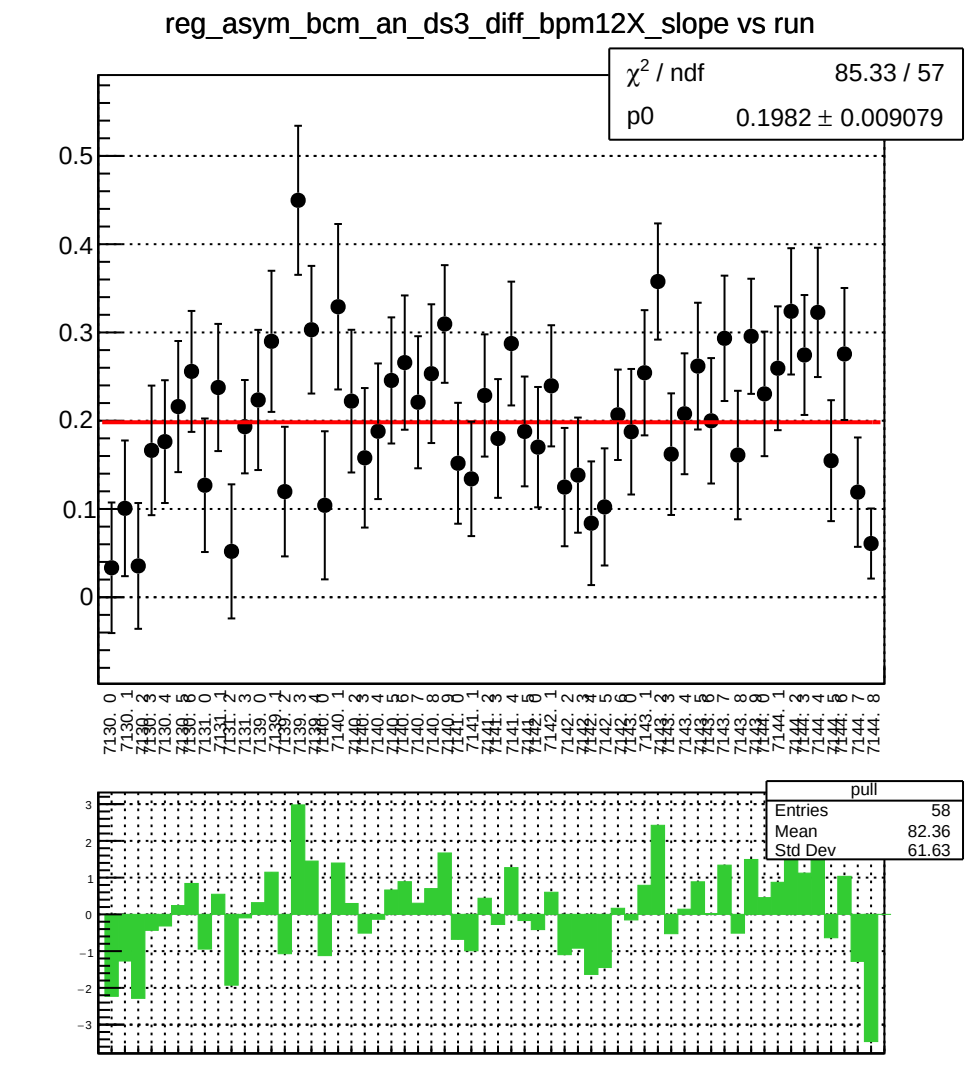

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 259.3 / 57
p0 −0.834 ± 0.1835
pull
Entries 58
Mean −113.4
Std Dev 140.5

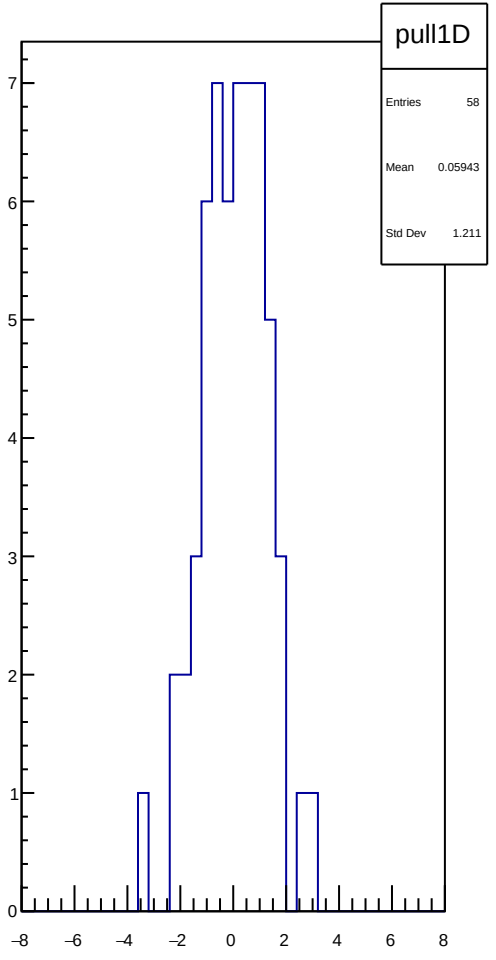

pull1D
Entries 58
Mean 0.05212
Std Dev 2.114

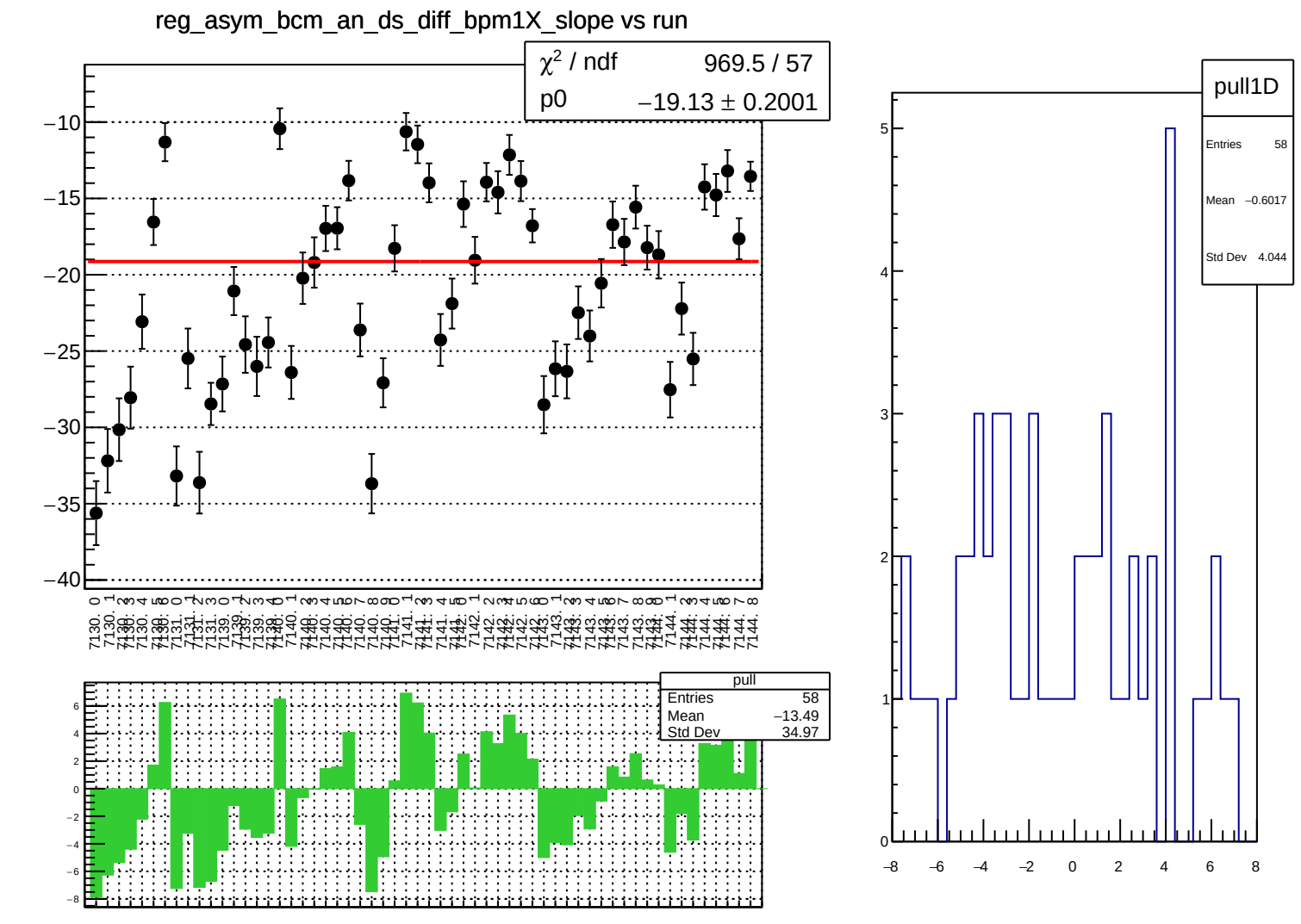

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 938.4 / 57
p0 19.18 ± 0.2055
pull
Entries 58
Mean −9.151
Std Dev 30.19
pull1D
Entries 58
Mean 0.5923
Std Dev 3.978

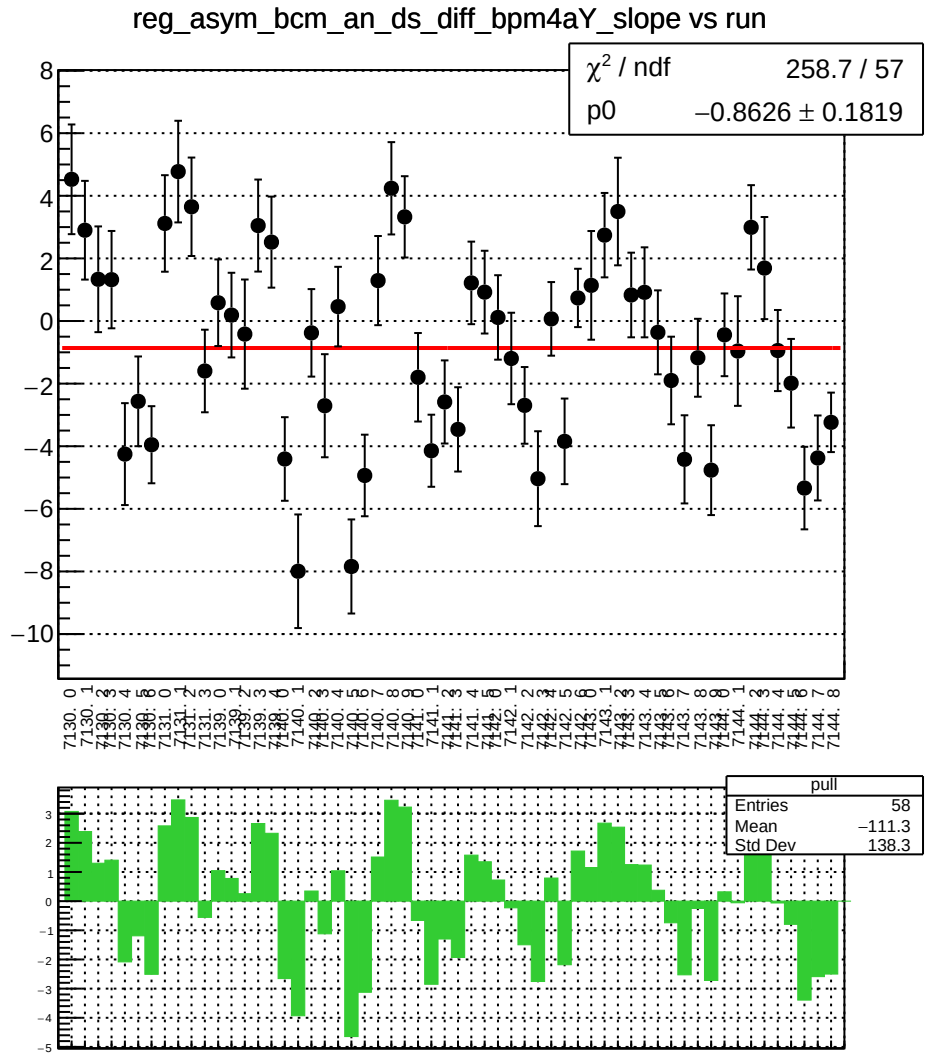

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 297.3 / 57
p0 0.08163 ± 0.1963
pull
Entries 58
Mean −85.31
Std Dev 110.8

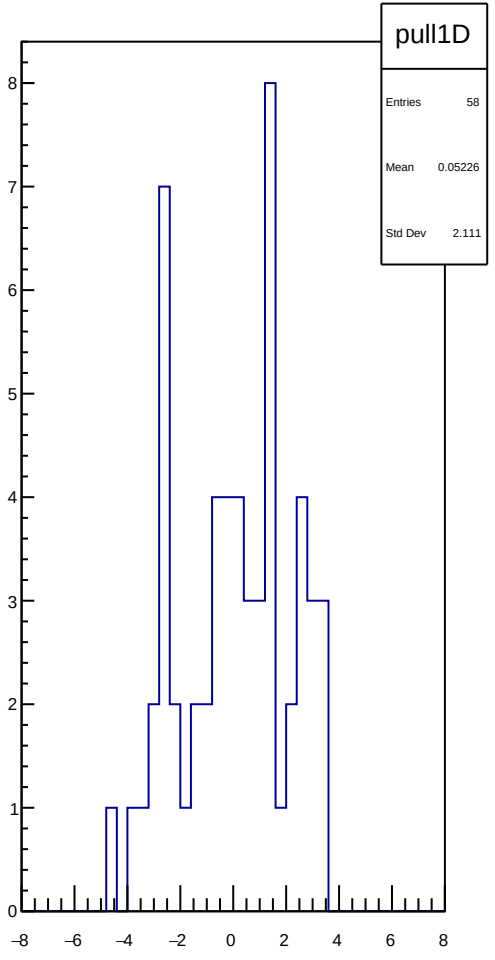

pull1D
Entries 58
Mean −0.07036
Std Dev 2.263

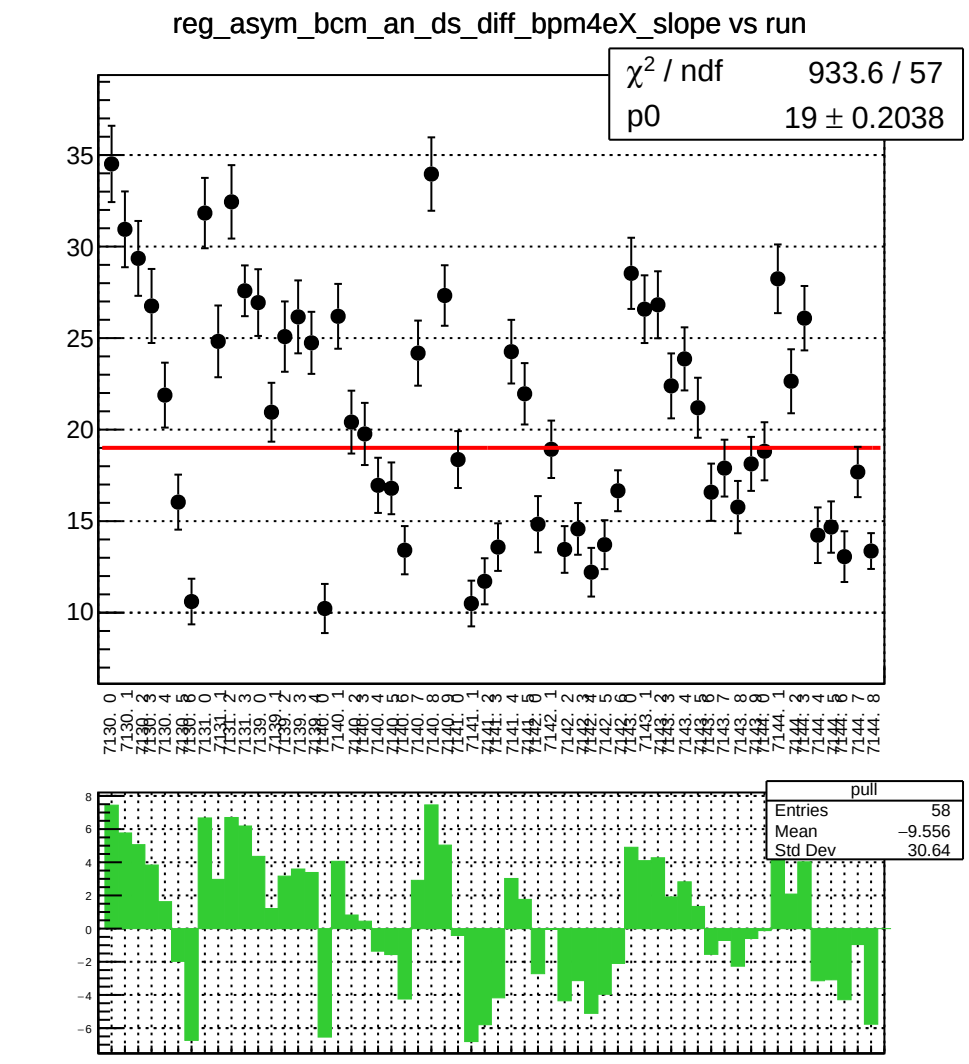

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 85.33 / 57
p0 0.1982 ± 0.009079
pull
Entries 58
Mean 82.36
Std Dev 61.63

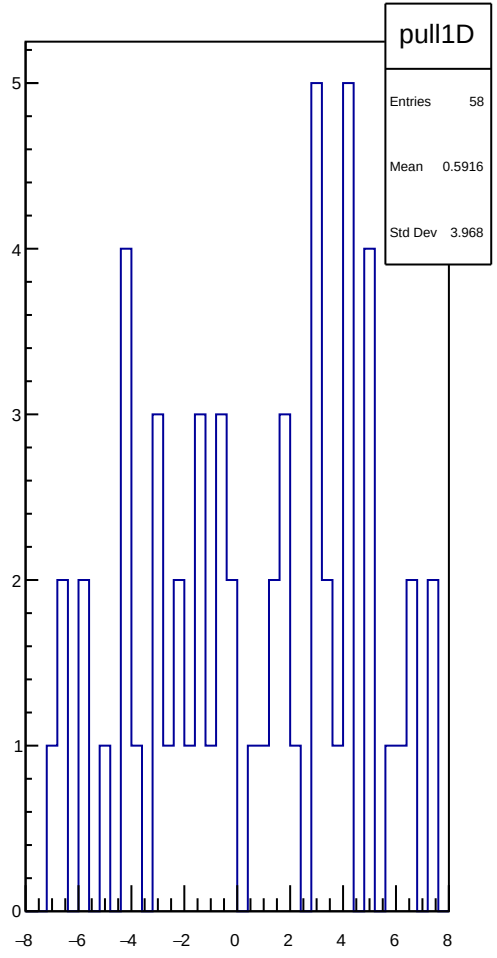

pull1D
Entries 58
Mean 0.05943
Std Dev 1.211

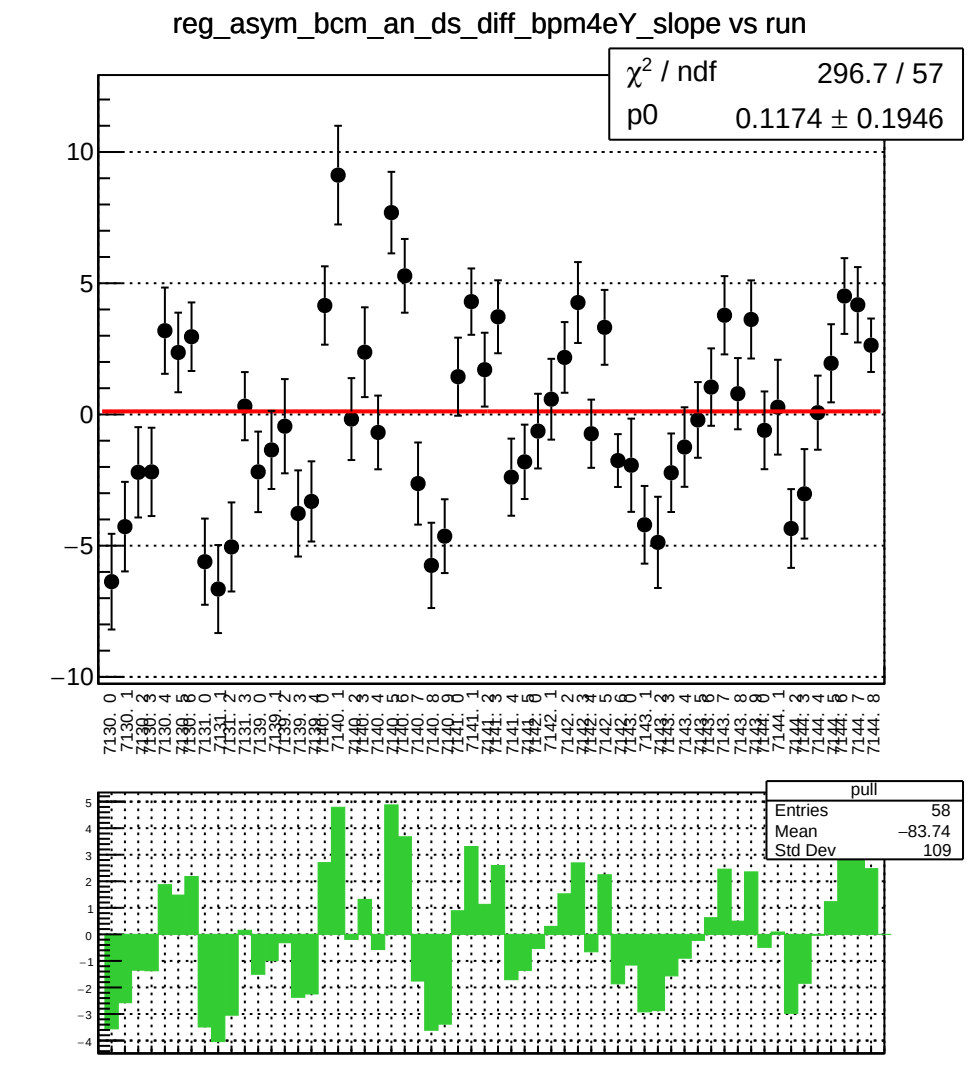

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 969.5 / 57
p0 −19.13 ± 0.2001
pull
Entries 58
Mean −13.49
Std Dev 34.97
pull1D
Entries 58
Mean −0.6017
Std Dev 4.044

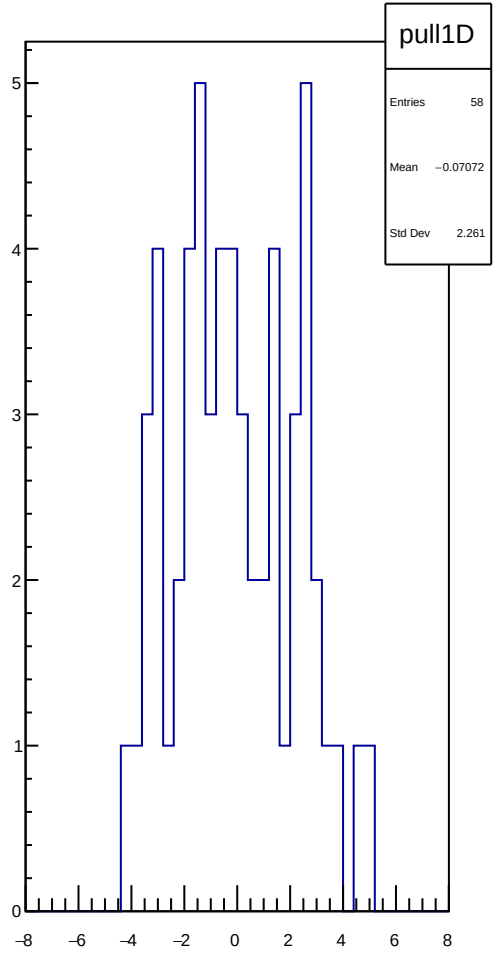

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 258.7 / 57
p0 −0.8626 ± 0.1819
pull
Entries 58
Mean −111.3
Std Dev 138.3

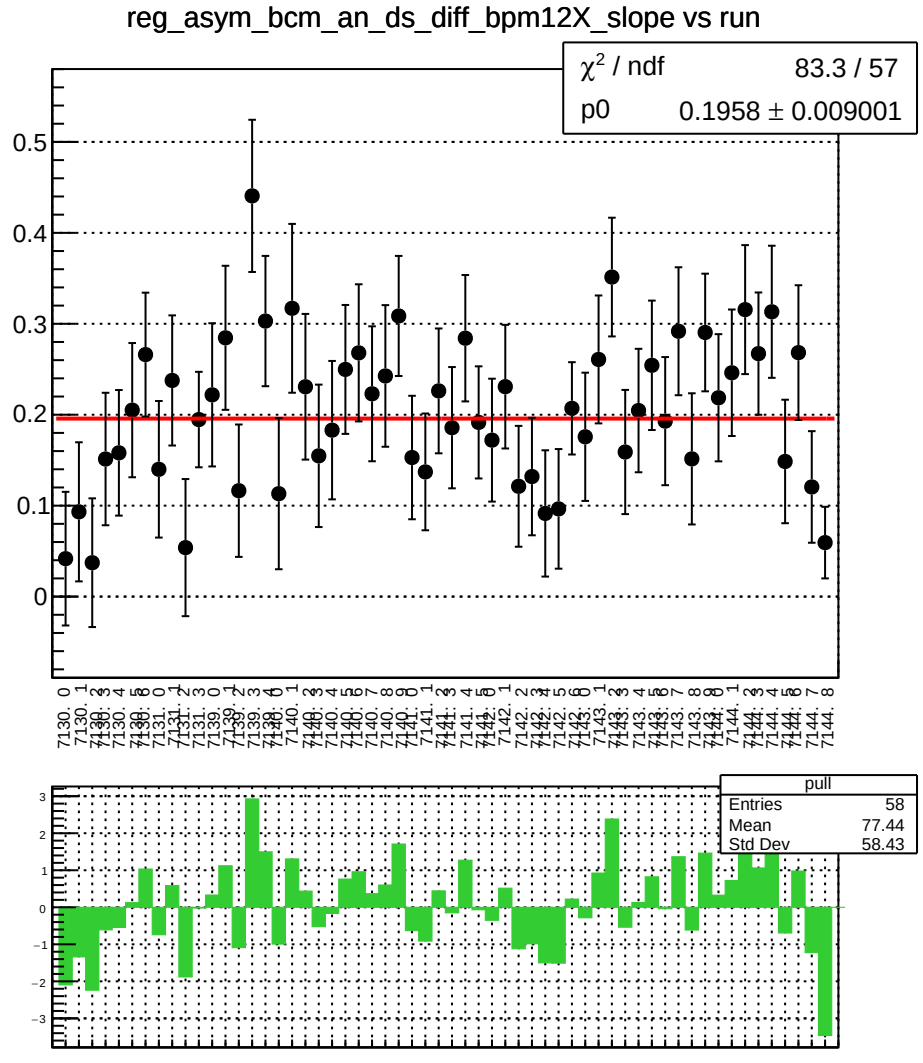

pull1D
Entries 58
Mean 0.05226
Std Dev 2.111

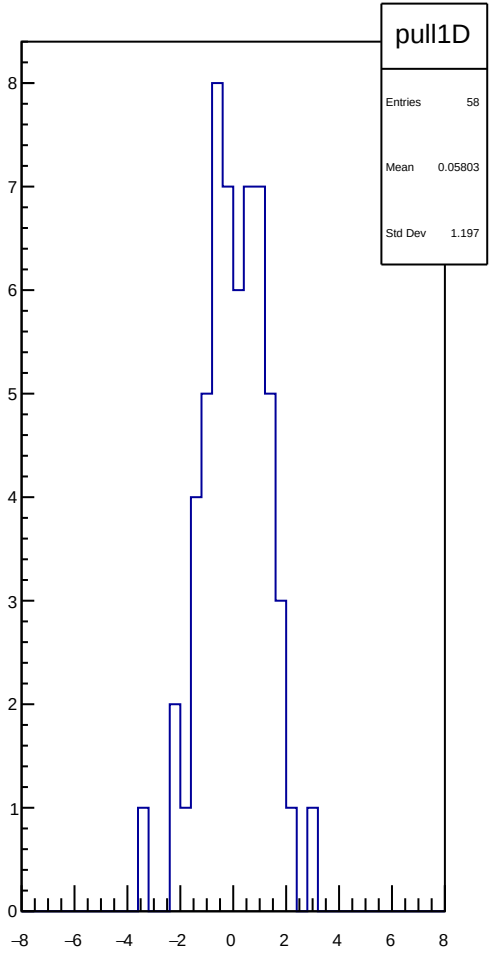

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 933.6 / 57
p0 19 ± 0.2038
pull
Entries 58
Mean −9.556
Std Dev 30.64

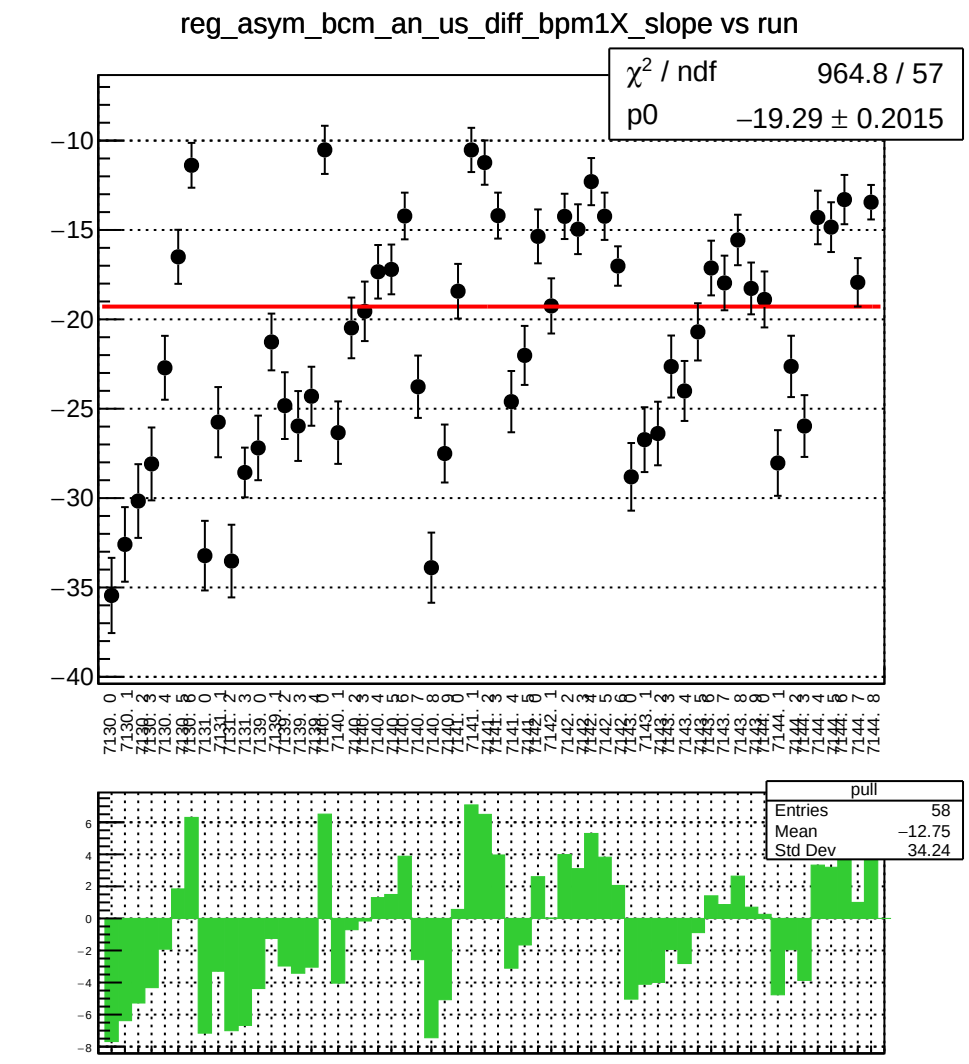

pull1D
Entries 58
Mean 0.5916
Std Dev 3.968

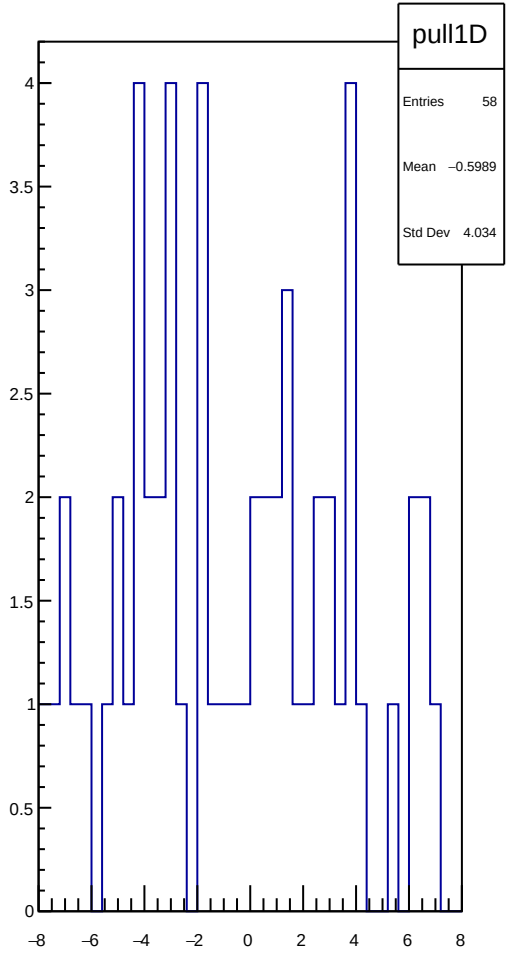

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 296.7 / 57
p0 0.1174 ± 0.1946
pull
Entries 58
Mean −83.74
Std Dev 109

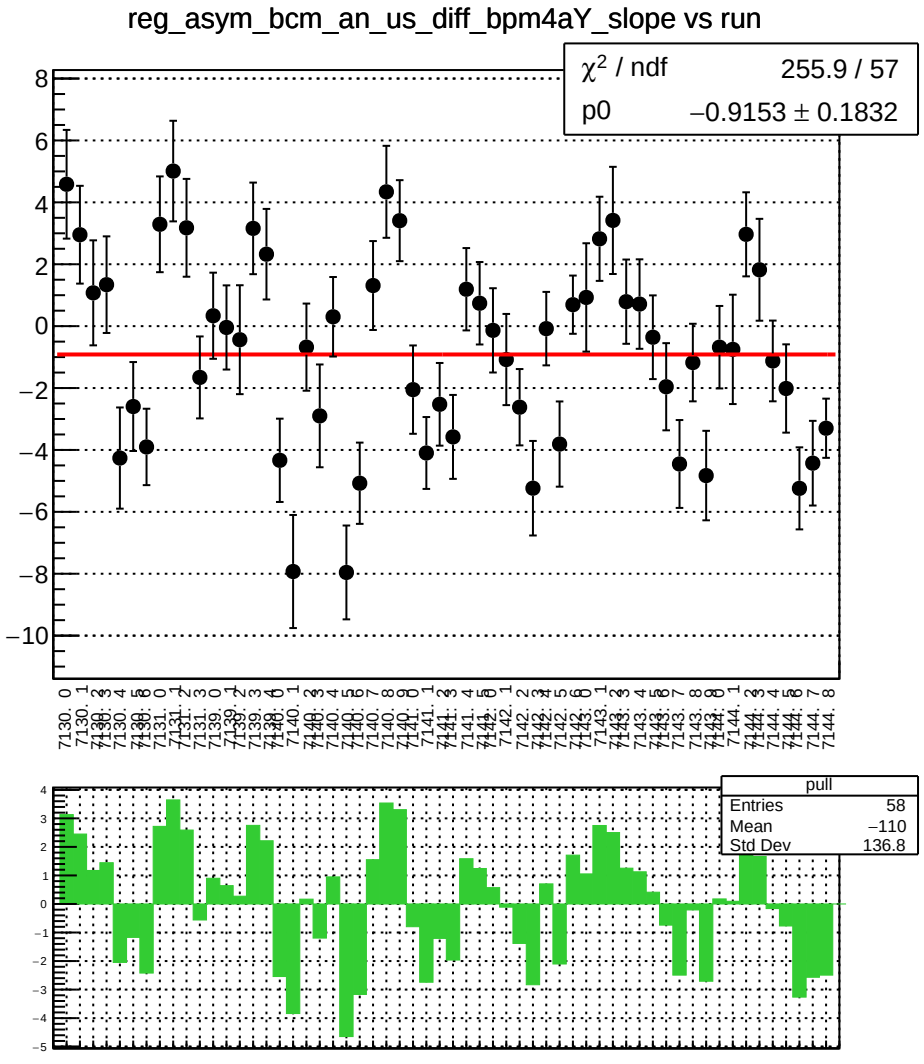

pull1D
Entries 58
Mean −0.07072
Std Dev 2.261

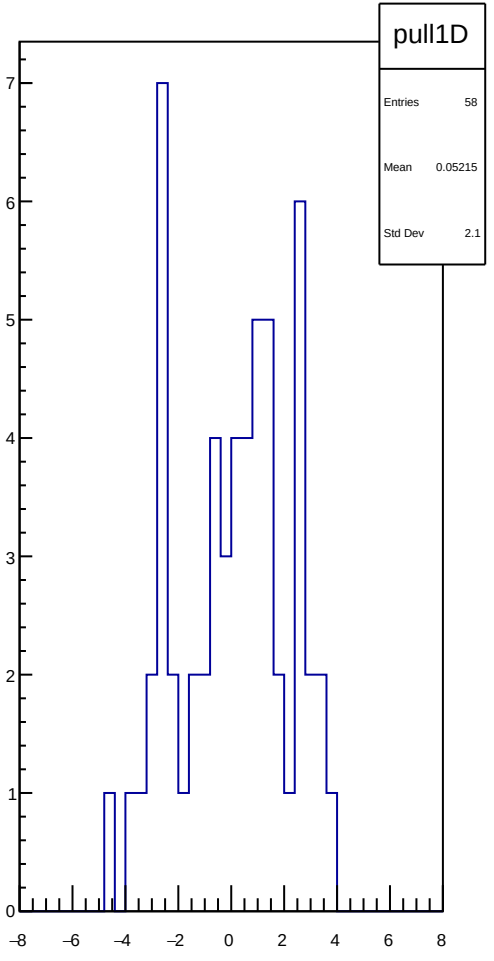

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 83.3 / 57
p0 0.1958 ± 0.009001
pull
Entries 58
Mean 77.44
Std Dev 58.43

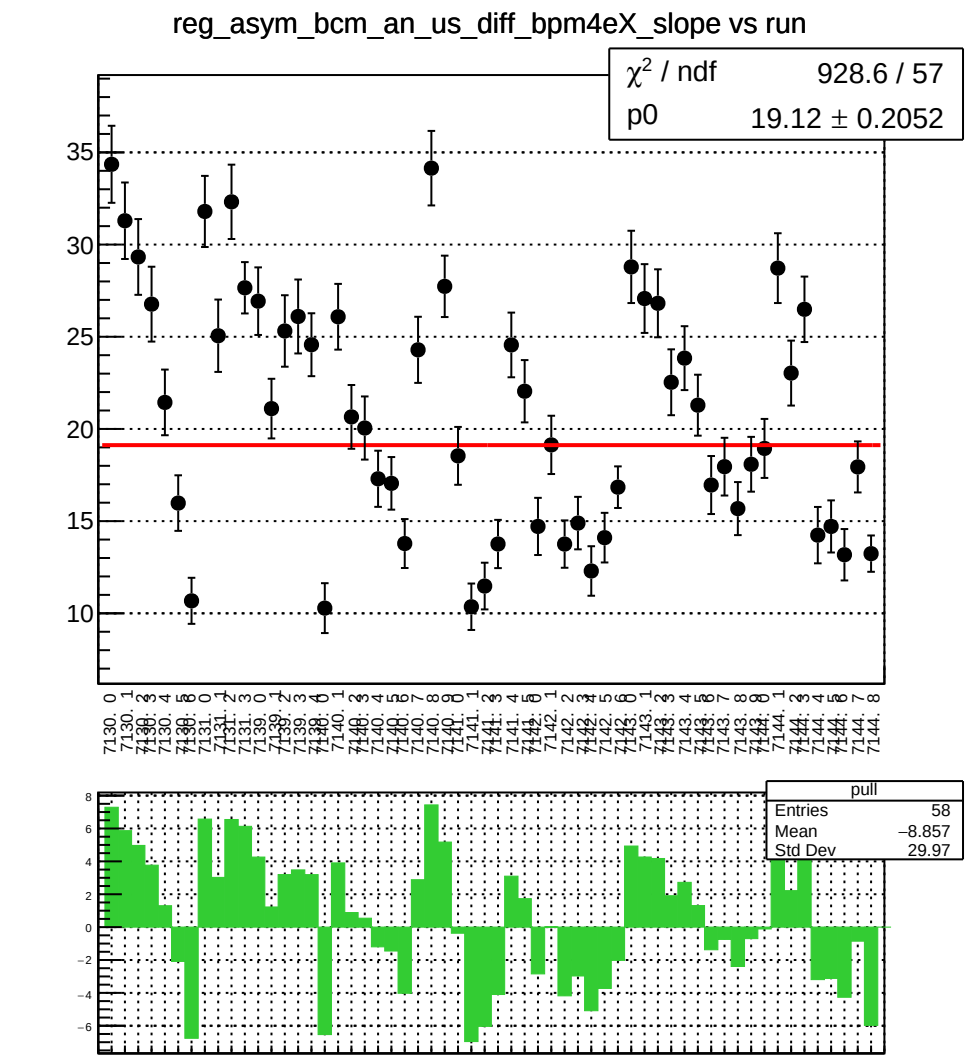

pull1D
Entries 58
Mean 0.05803
Std Dev 1.197

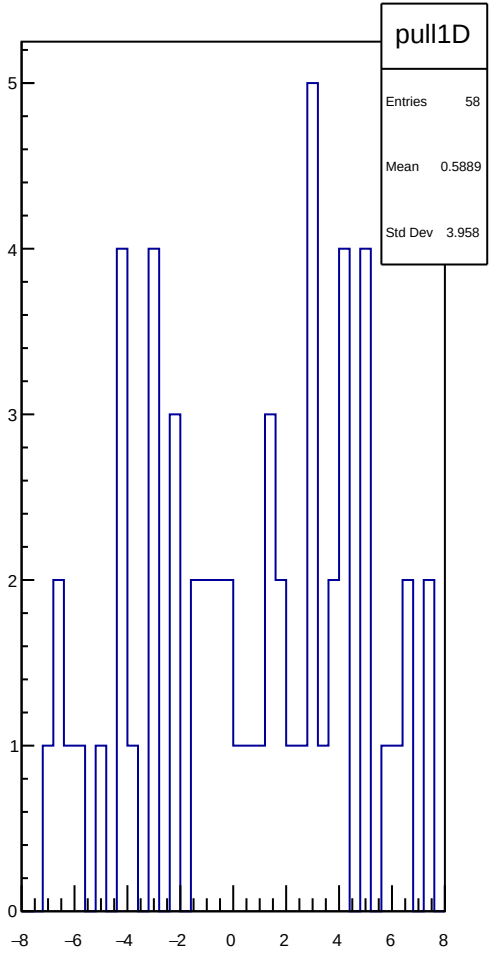

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 964.8 / 57
p0 −19.29 ± 0.2015
pull
Entries 58
Mean −12.75
Std Dev 34.24

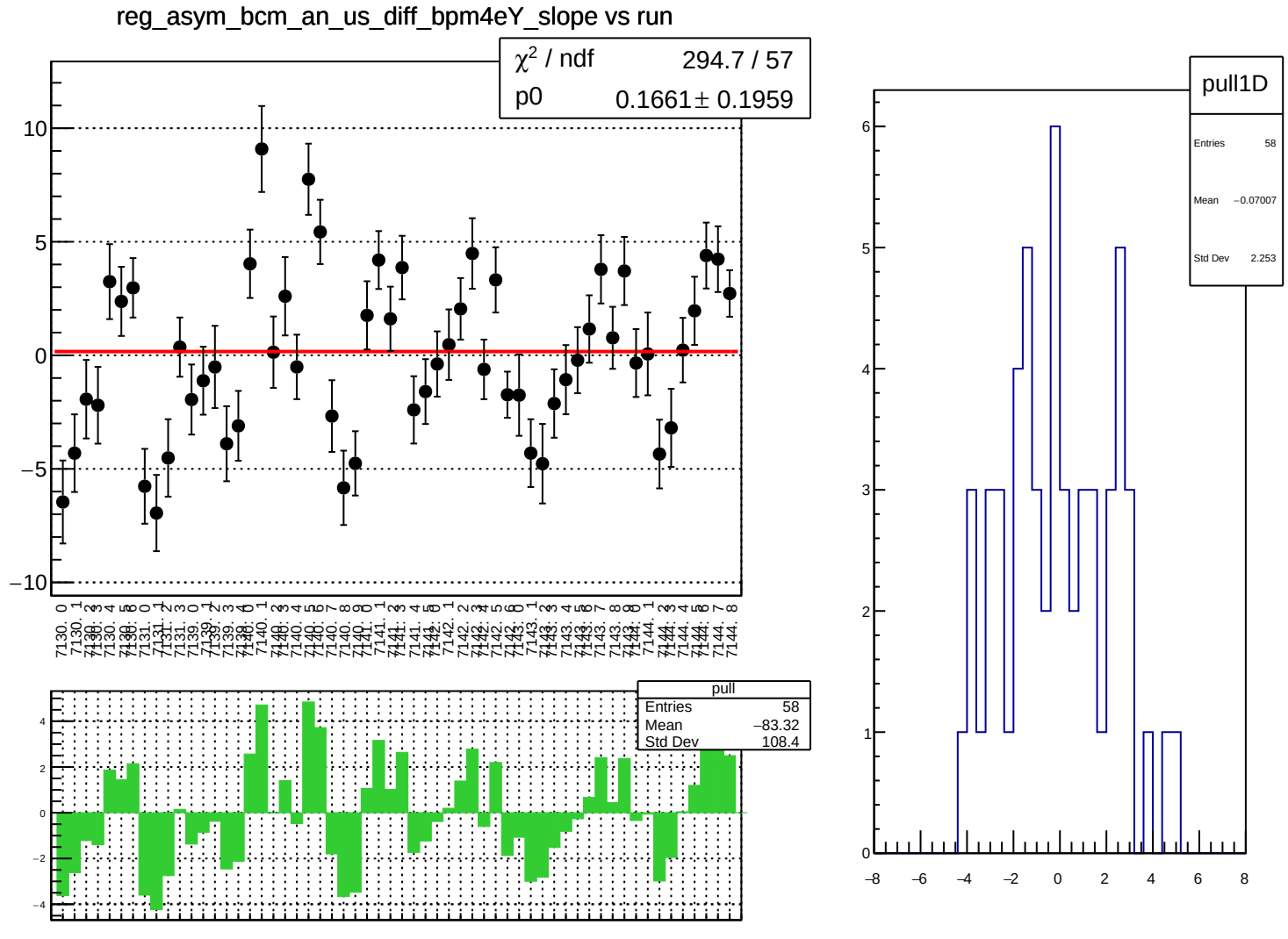

pull1D
Entries 58
Mean −0.5989
Std Dev 4.034

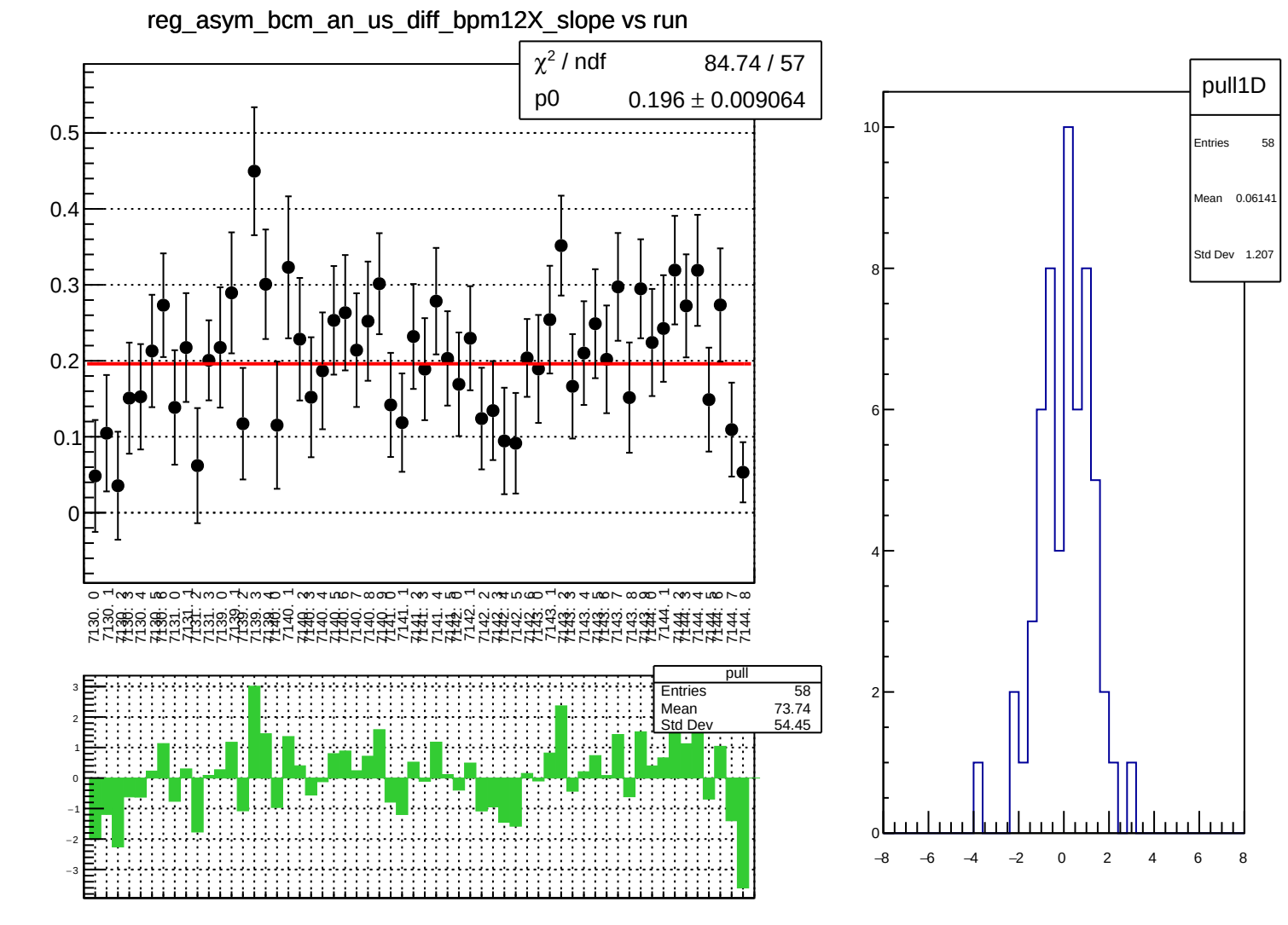

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 255.9 / 57
p0 −0.9153 ± 0.1832
pull
Entries 58
Mean −110
Std Dev 136.8

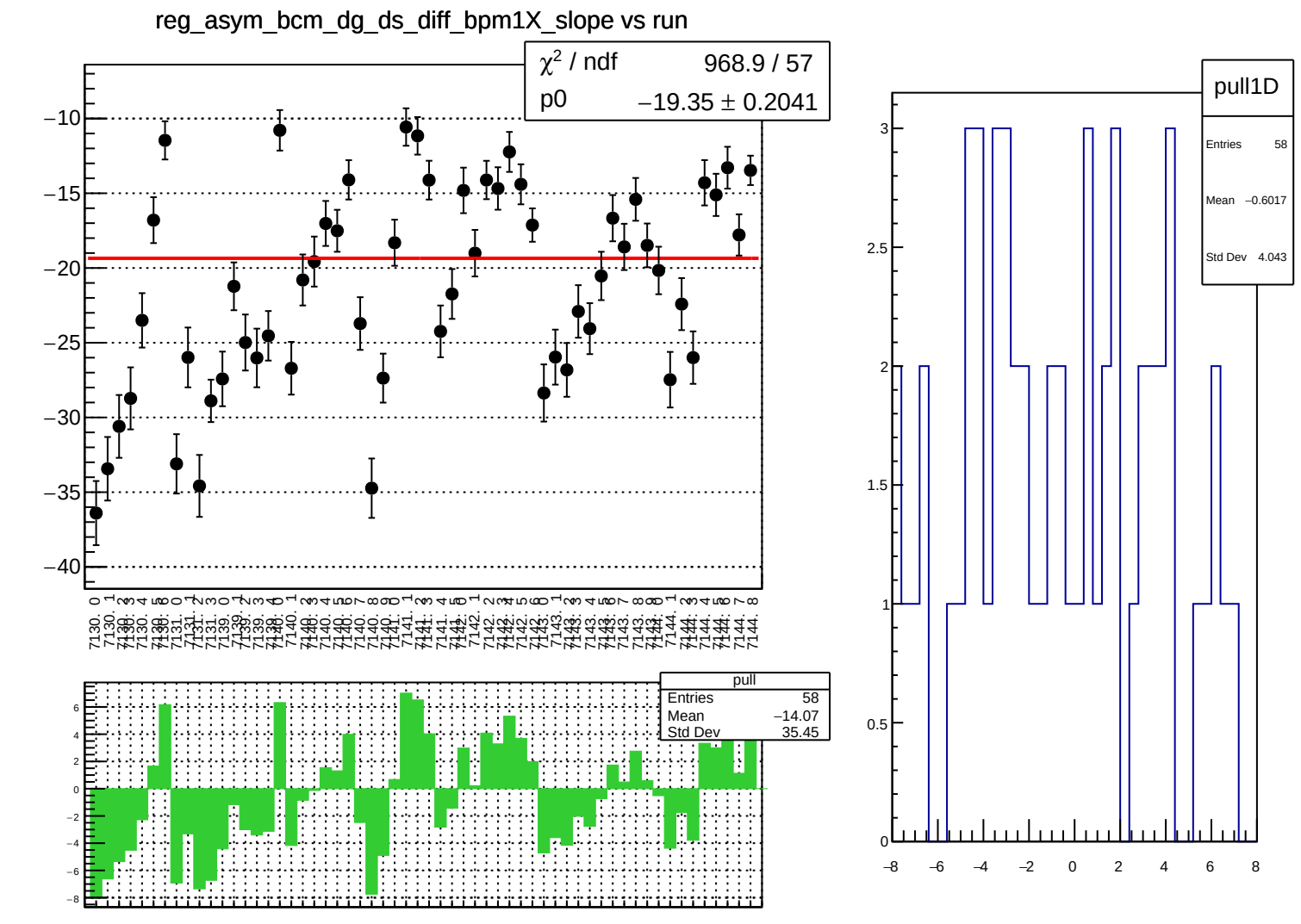

pull1D
Entries 58
Mean 0.05215
Std Dev 2.1

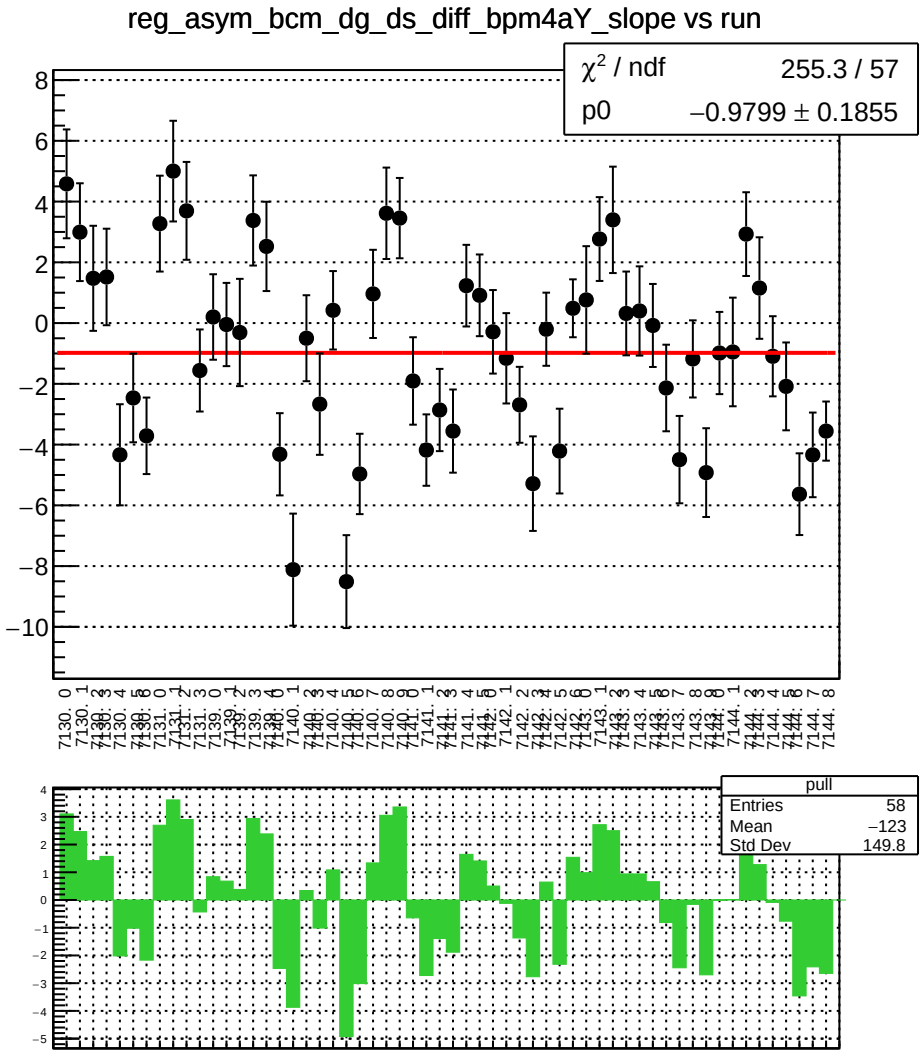

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 928.6 / 57
p0 19.12 ± 0.2052
pull
Entries 58
Mean −8.857
Std Dev 29.97

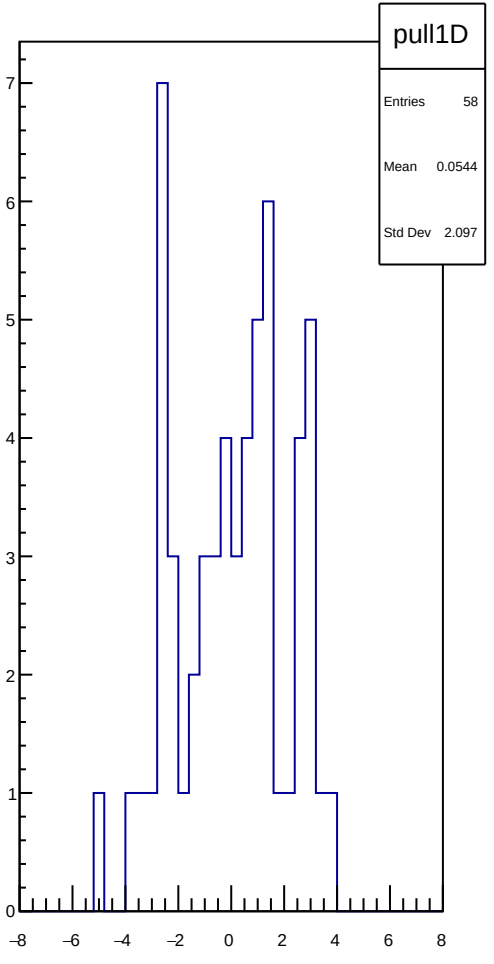

pull1D
Entries 58
Mean 0.5889
Std Dev 3.958

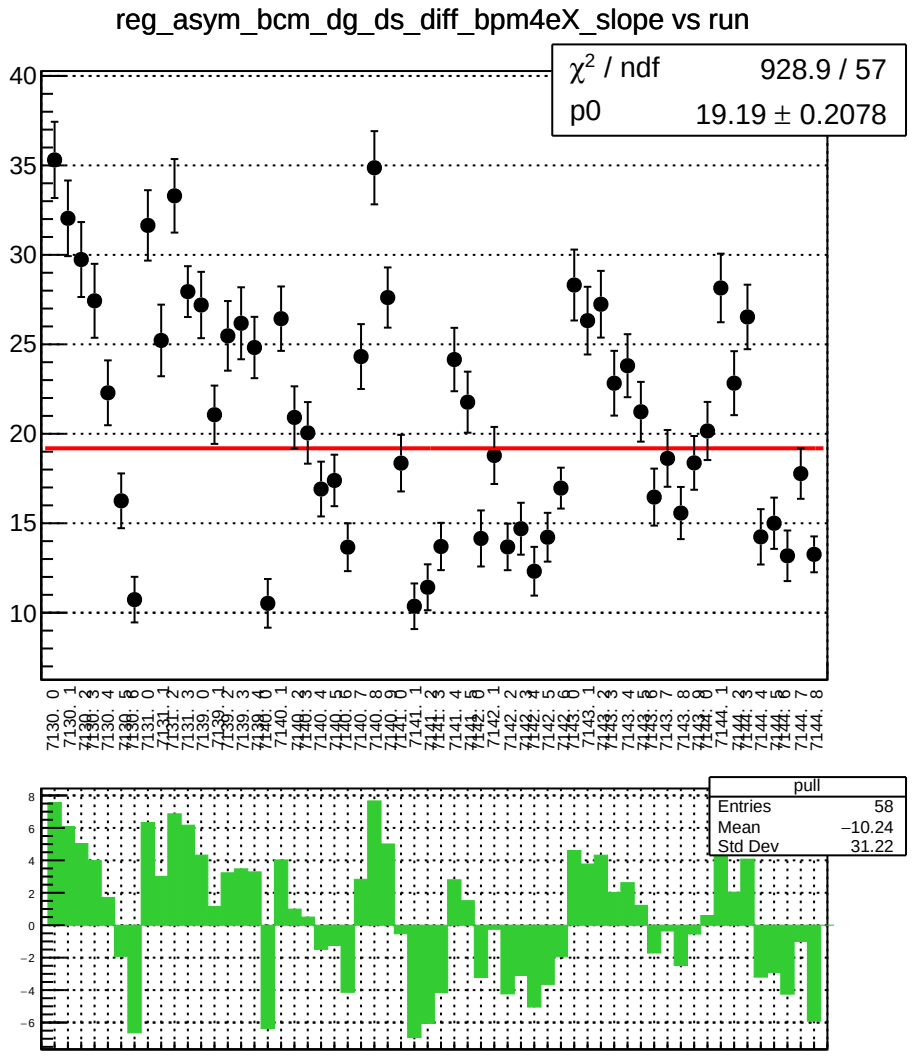

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 294.7 / 57
p0 0.1661 ± 0.1959
pull
Entries 58
Mean −83.32
Std Dev 108.4
pull1D
Entries 58
Mean −0.07007
Std Dev 2.253

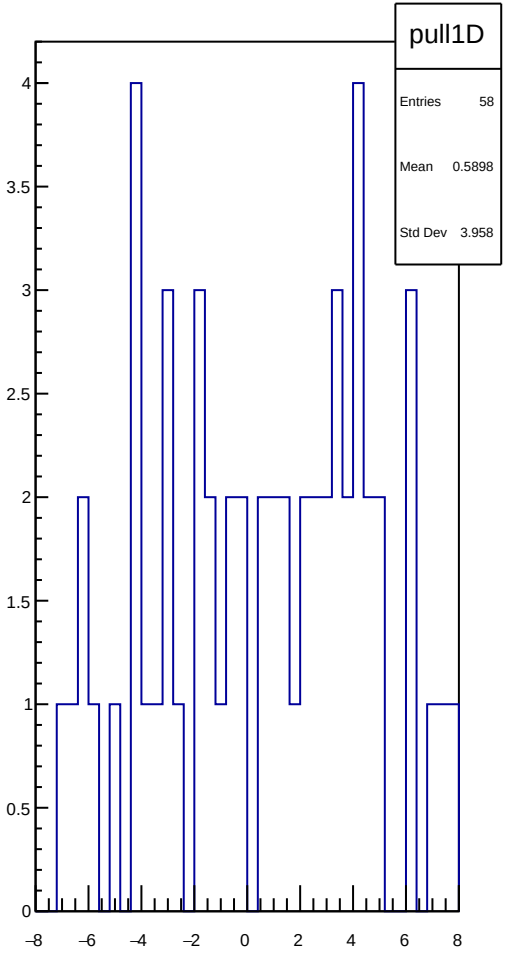

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 84.74 / 57
p0 0.196 ± 0.009064
pull
Entries 58
Mean 73.74
Std Dev 54.45
pull1D
Entries 58
Mean 0.06141
Std Dev 1.207

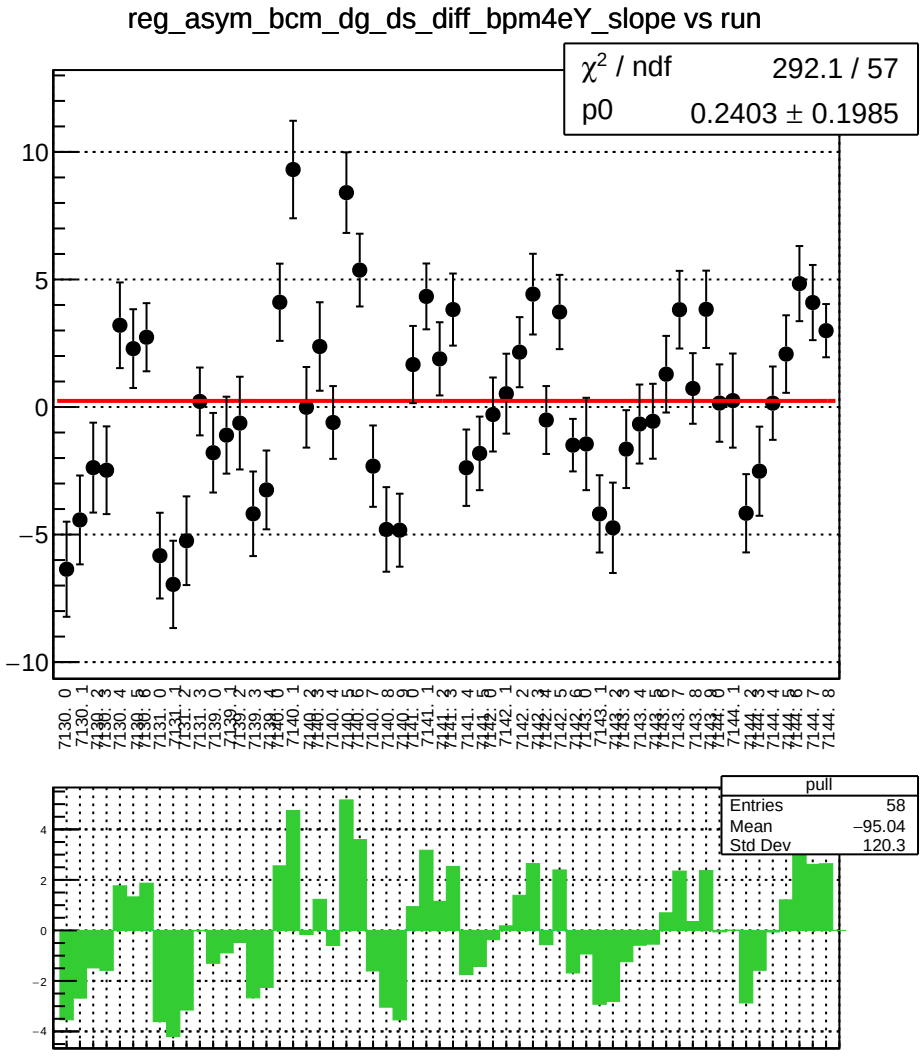

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 968.9 / 57
p0 −19.35 ± 0.2041
pull
Entries 58
Mean −14.07
Std Dev 35.45
pull1D
Entries 58
Mean −0.6017
Std Dev 4.043

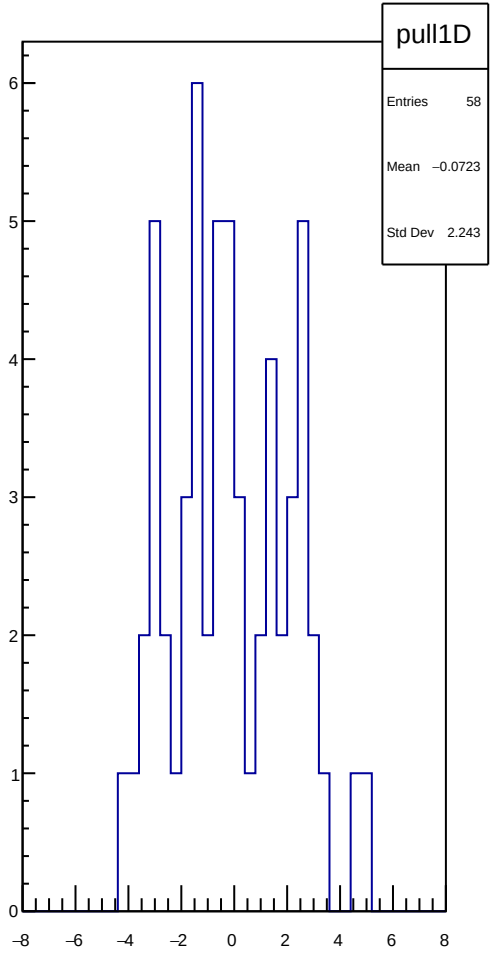

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 255.3 / 57
p0 −0.9799 ± 0.1855
pull
Entries 58
Mean −123
Std Dev 149.8

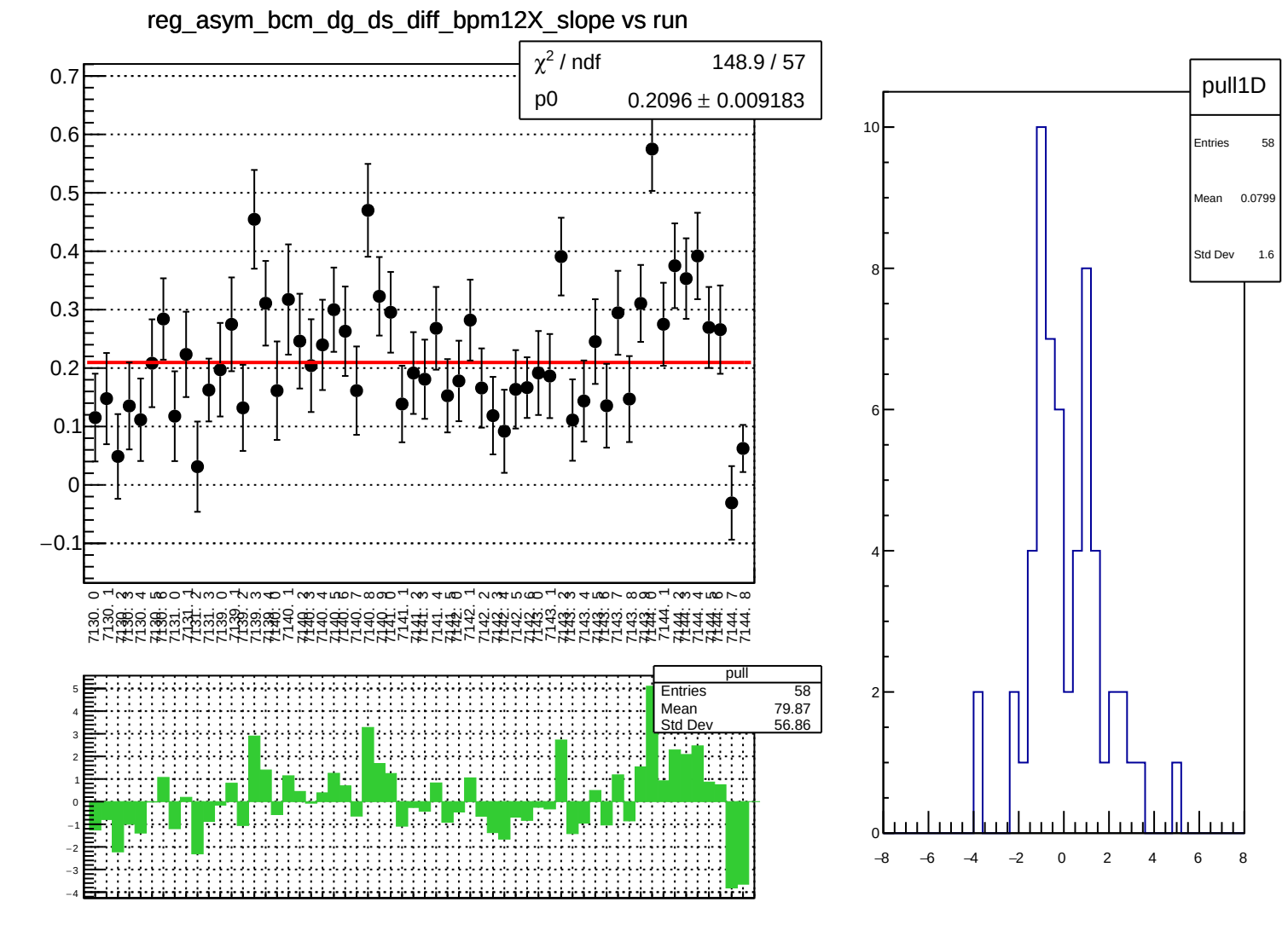

pull1D
Entries 58
Mean 0.0544
Std Dev 2.097

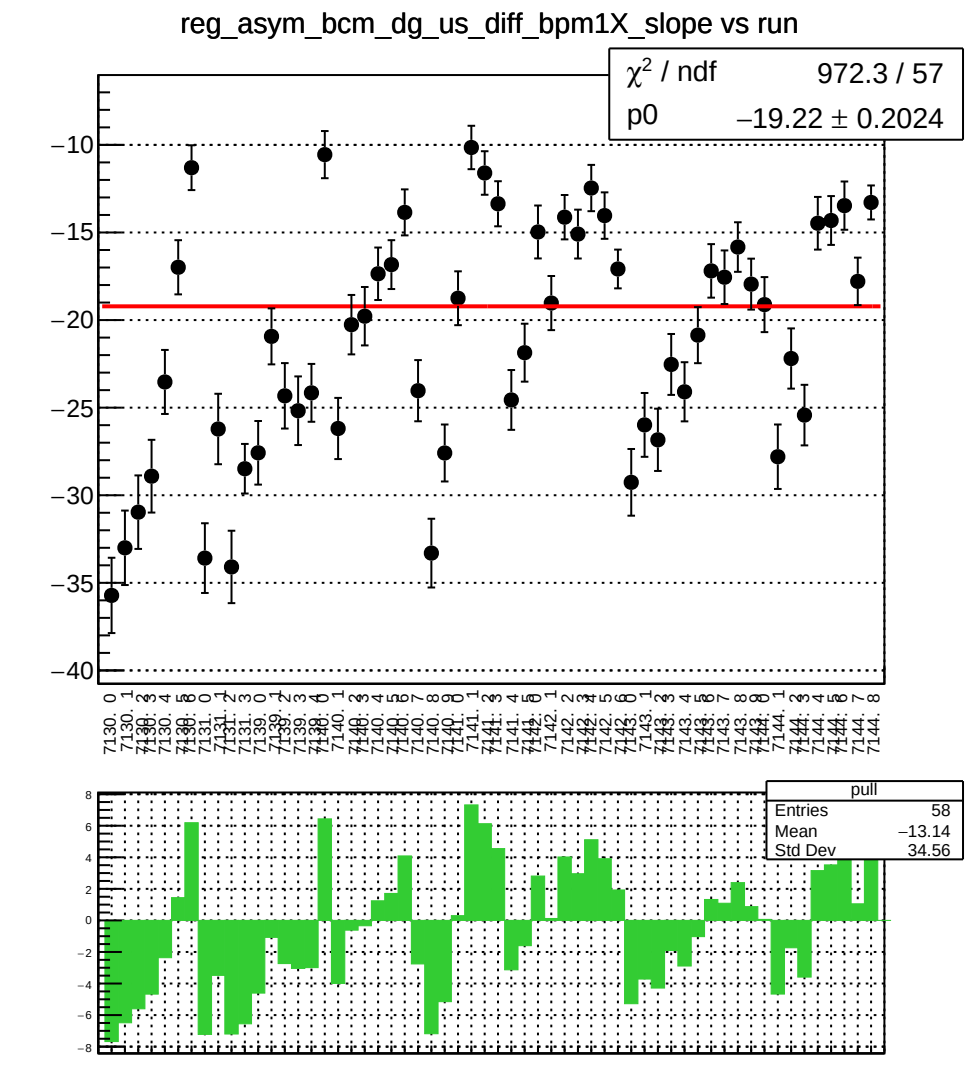

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 928.9 / 57
p0 19.19 ± 0.2078
pull
Entries 58
Mean −10.24
Std Dev 31.22

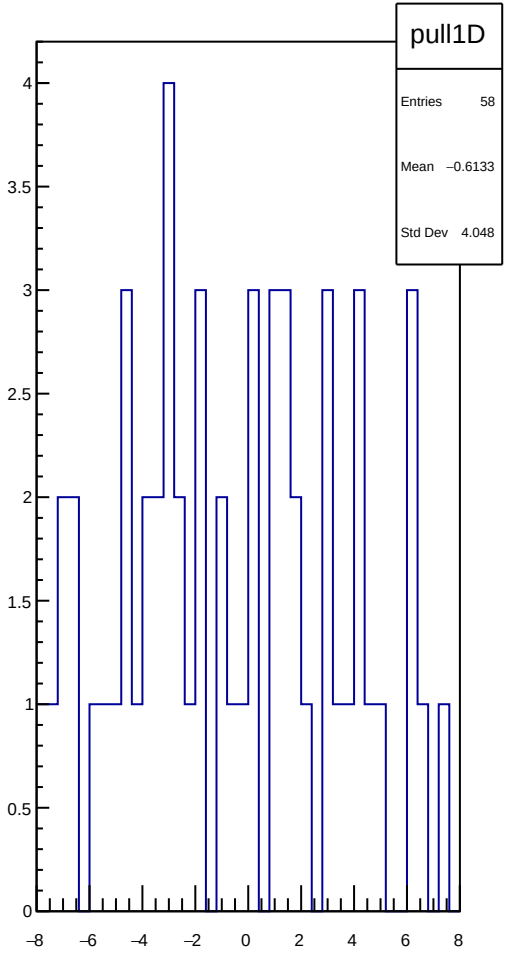

pull1D
Entries 58
Mean 0.5898
Std Dev 3.958

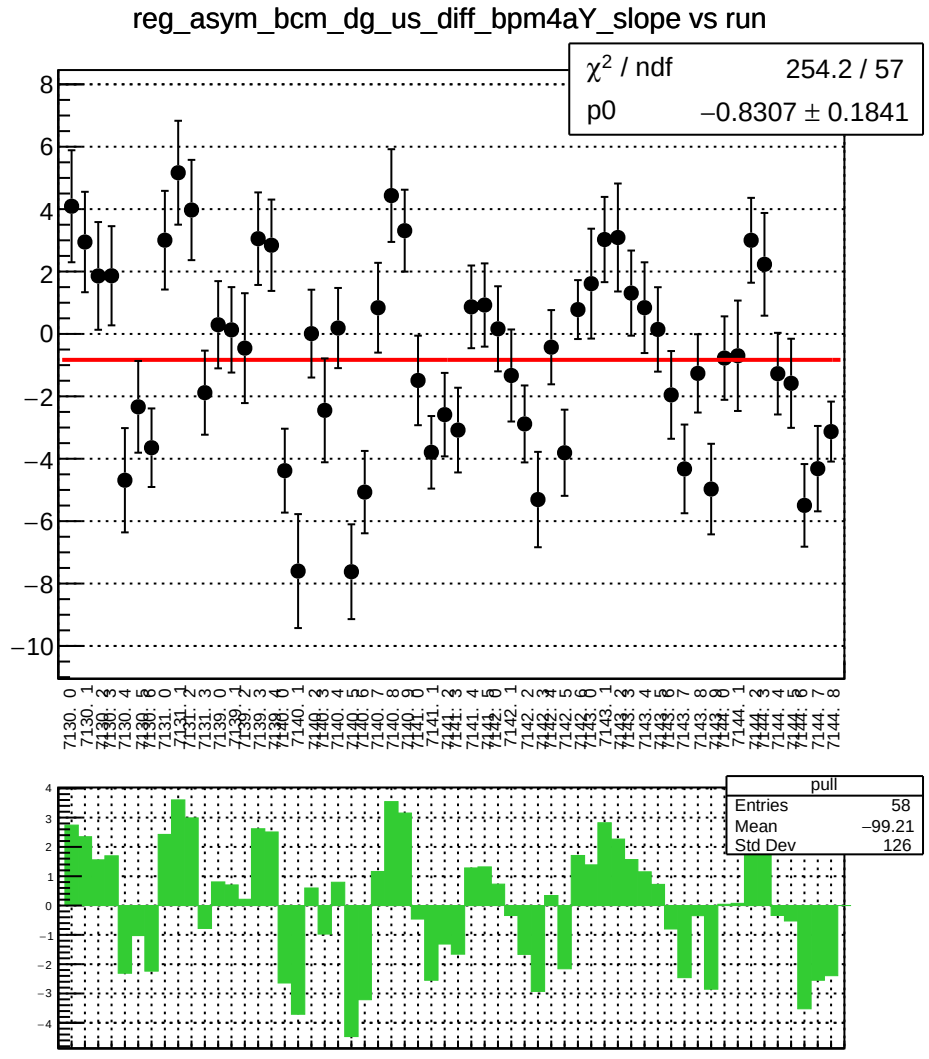

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 292.1 / 57
p0 0.2403 ± 0.1985
pull
Entries 58
Mean −95.04
Std Dev 120.3

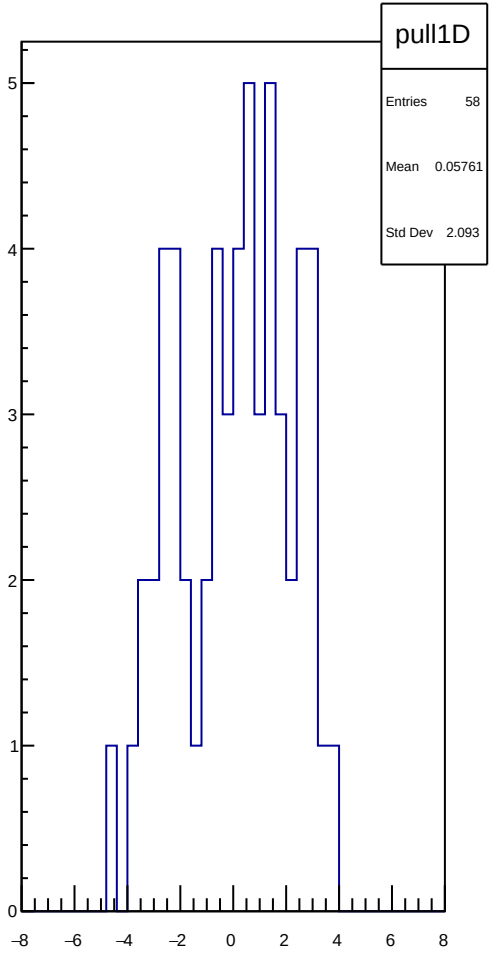

pull1D
Entries 58
Mean −0.0723
Std Dev 2.243

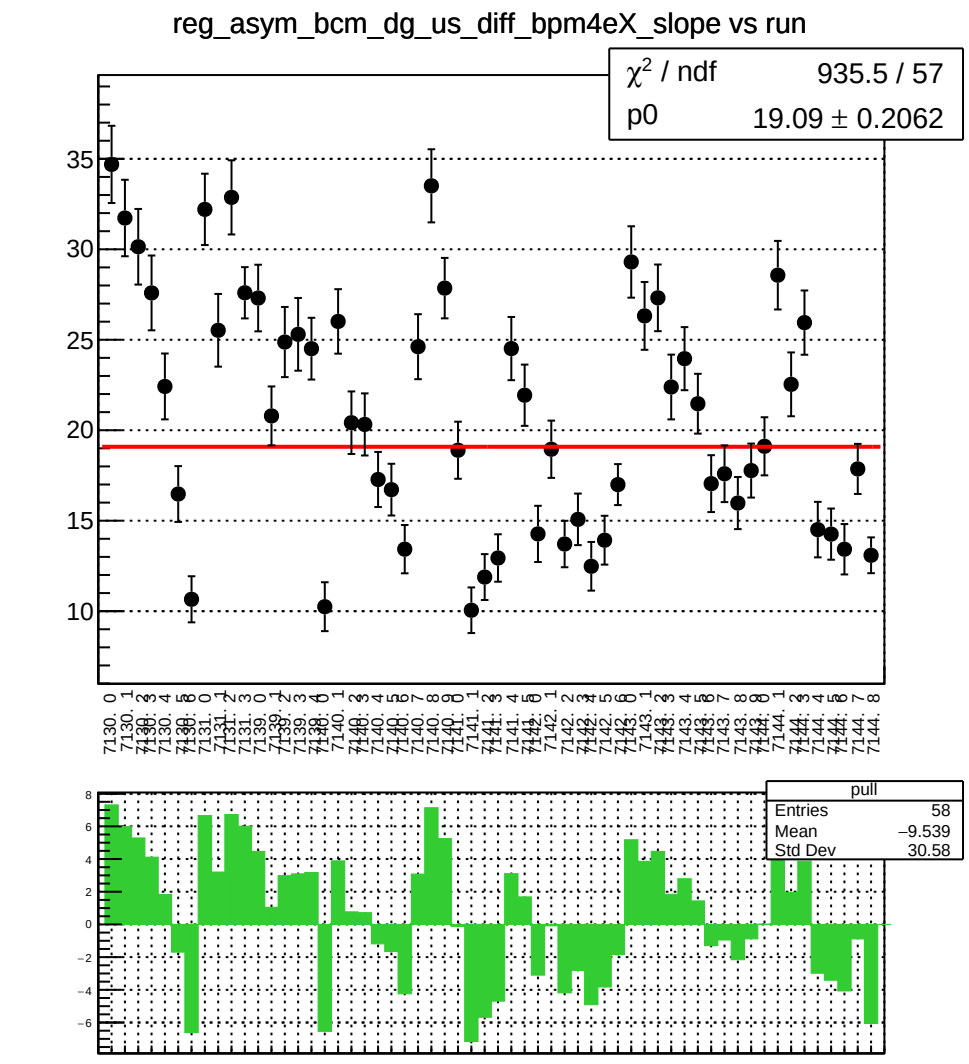

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 148.9 / 57
p0 0.2096 ± 0.009183
pull
Entries 58
Mean 79.87
Std Dev 56.86
pull1D
Entries 58
Mean 0.0799
Std Dev 1.6

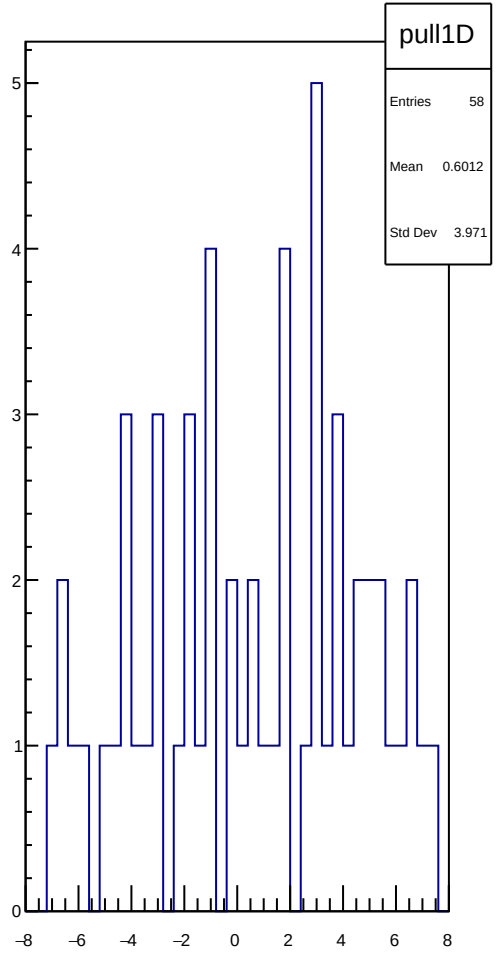

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 972.3 / 57
p0 −19.22 ± 0.2024
pull
Entries 58
Mean −13.14
Std Dev 34.56

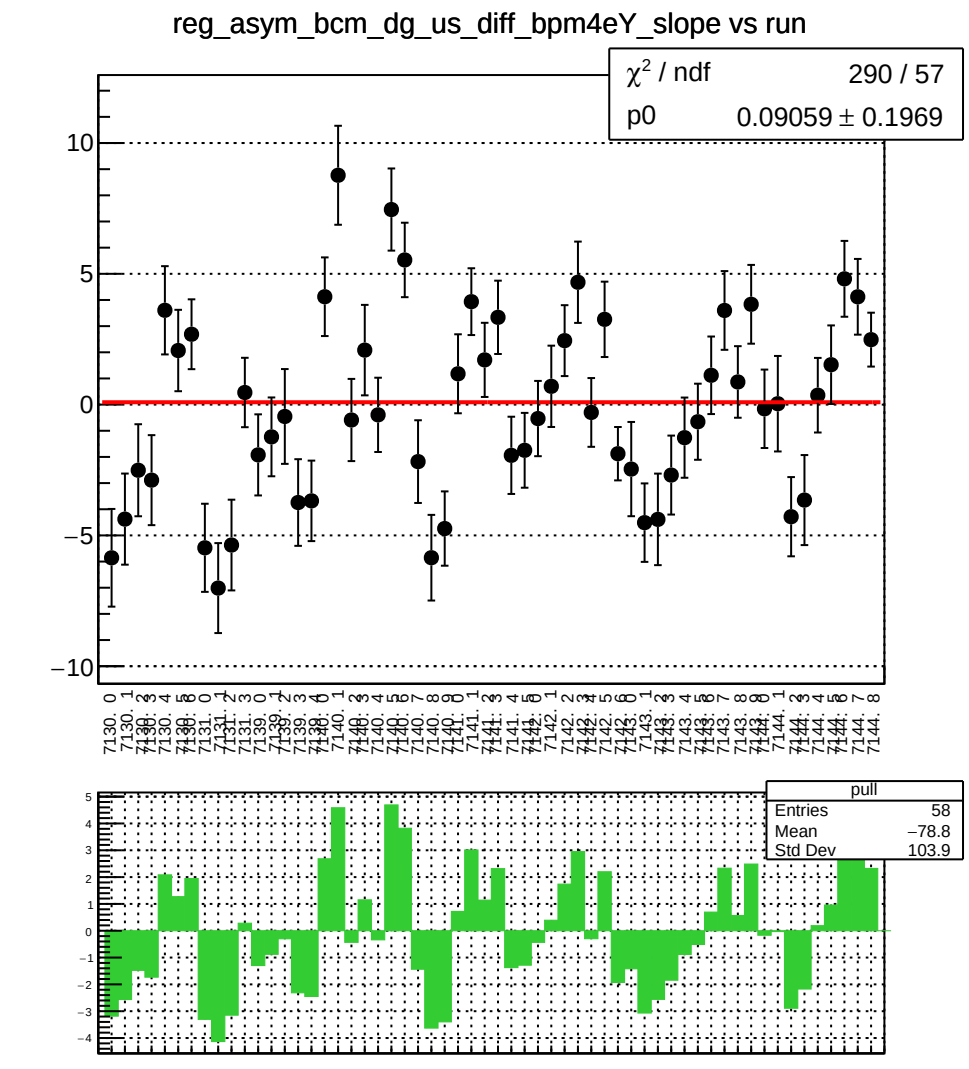

pull1D
Entries 58
Mean −0.6133
Std Dev 4.048

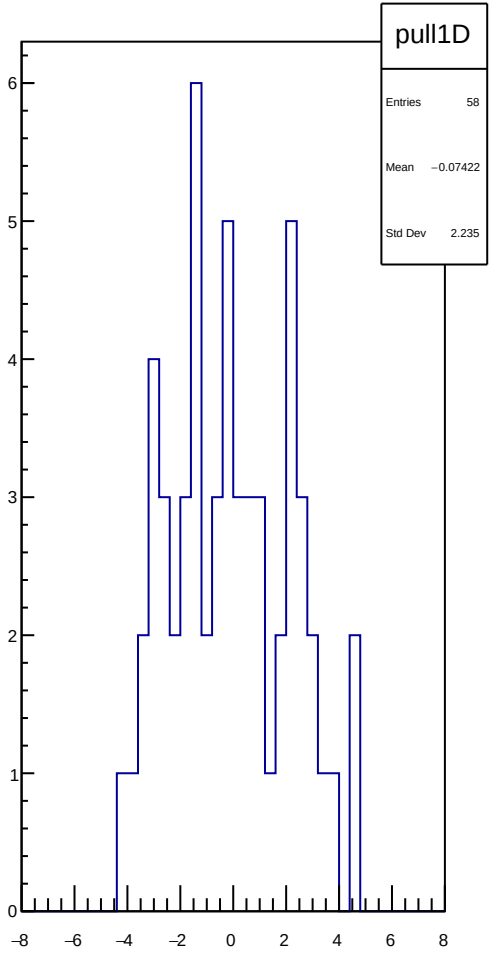

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 254.2 / 57
p0 −0.8307 ± 0.1841
pull
Entries 58
Mean −99.21
Std Dev 126

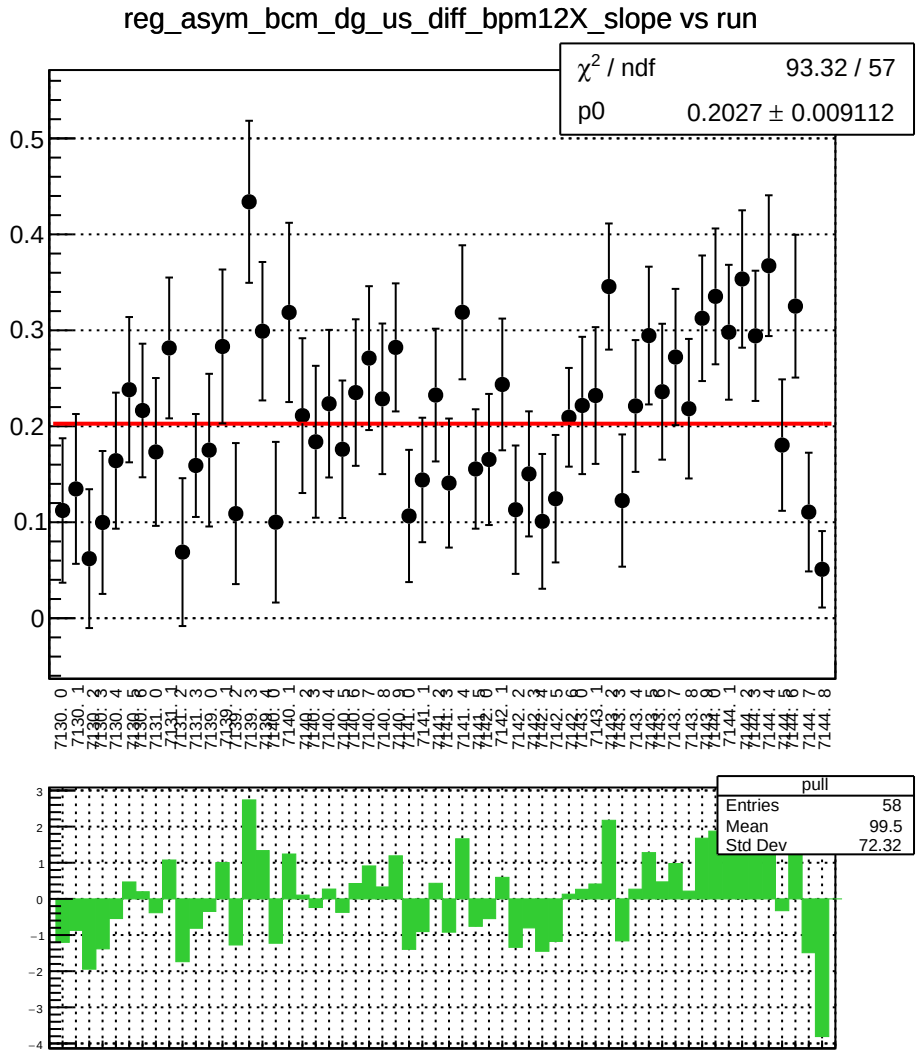

pull1D
Entries 58
Mean 0.05761
Std Dev 2.093

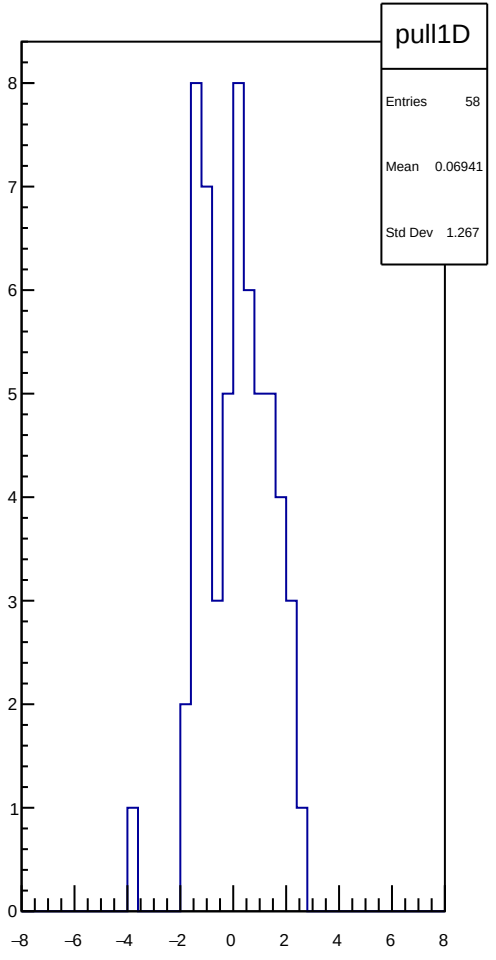

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 935.5 / 57
p0 19.09 ± 0.2062
pull
Entries 58
Mean −9.539
Std Dev 30.58


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