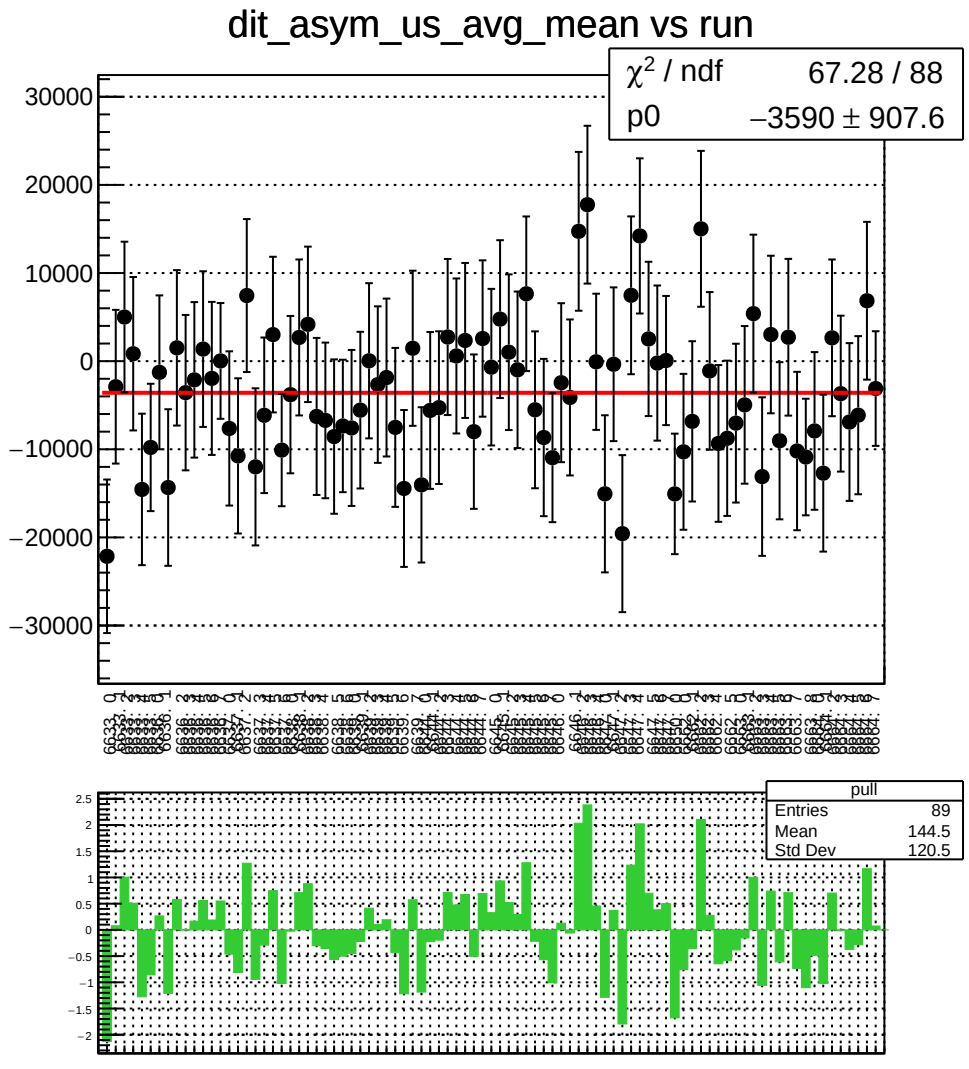
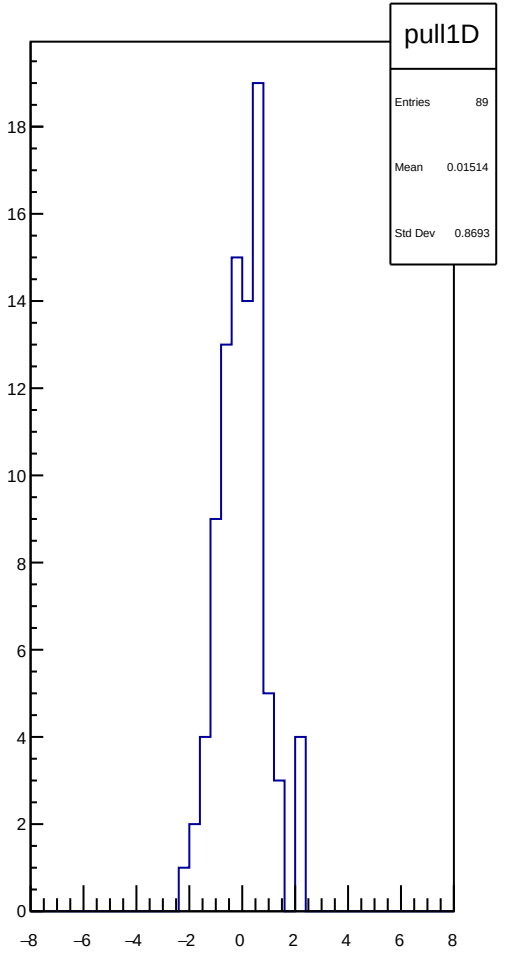
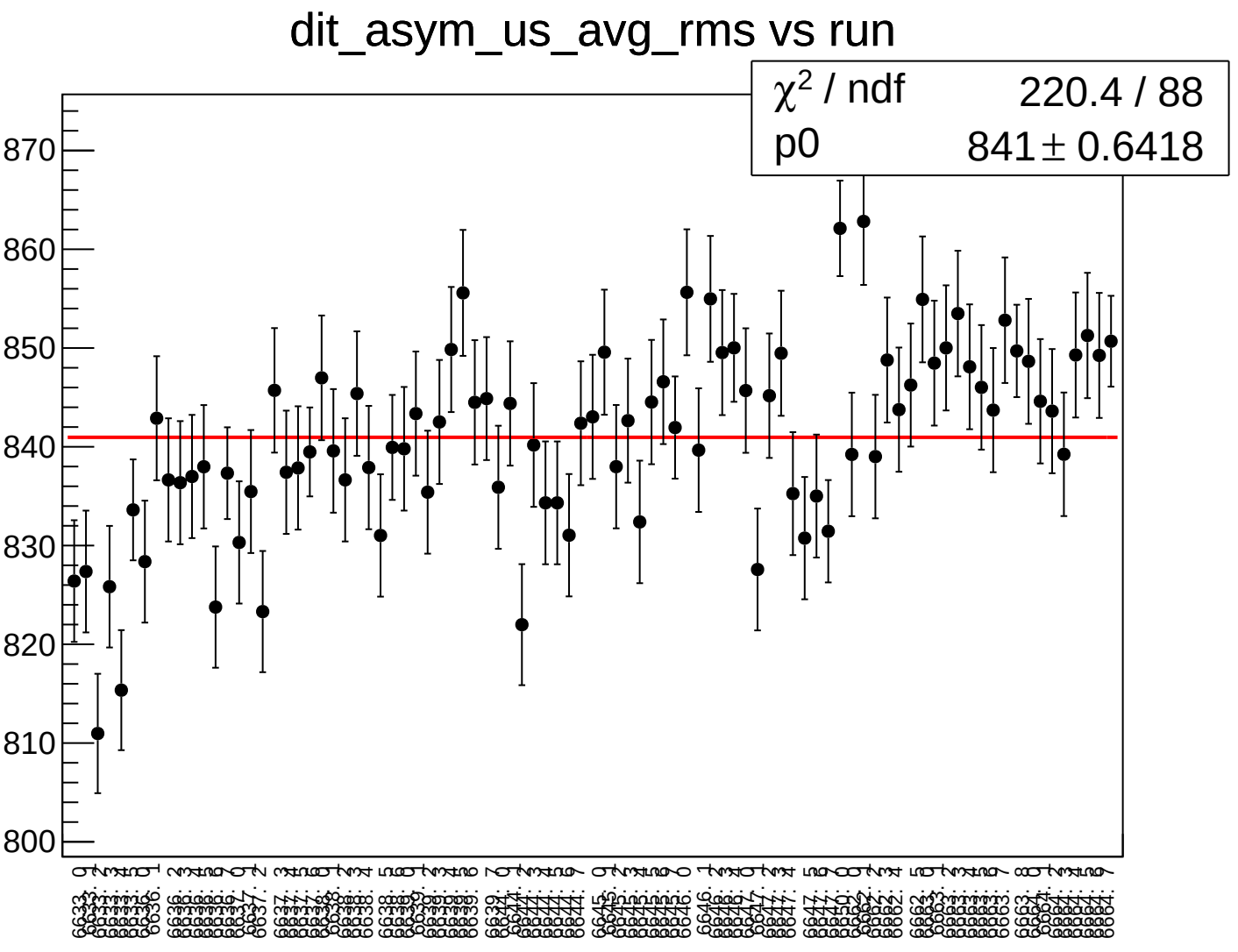
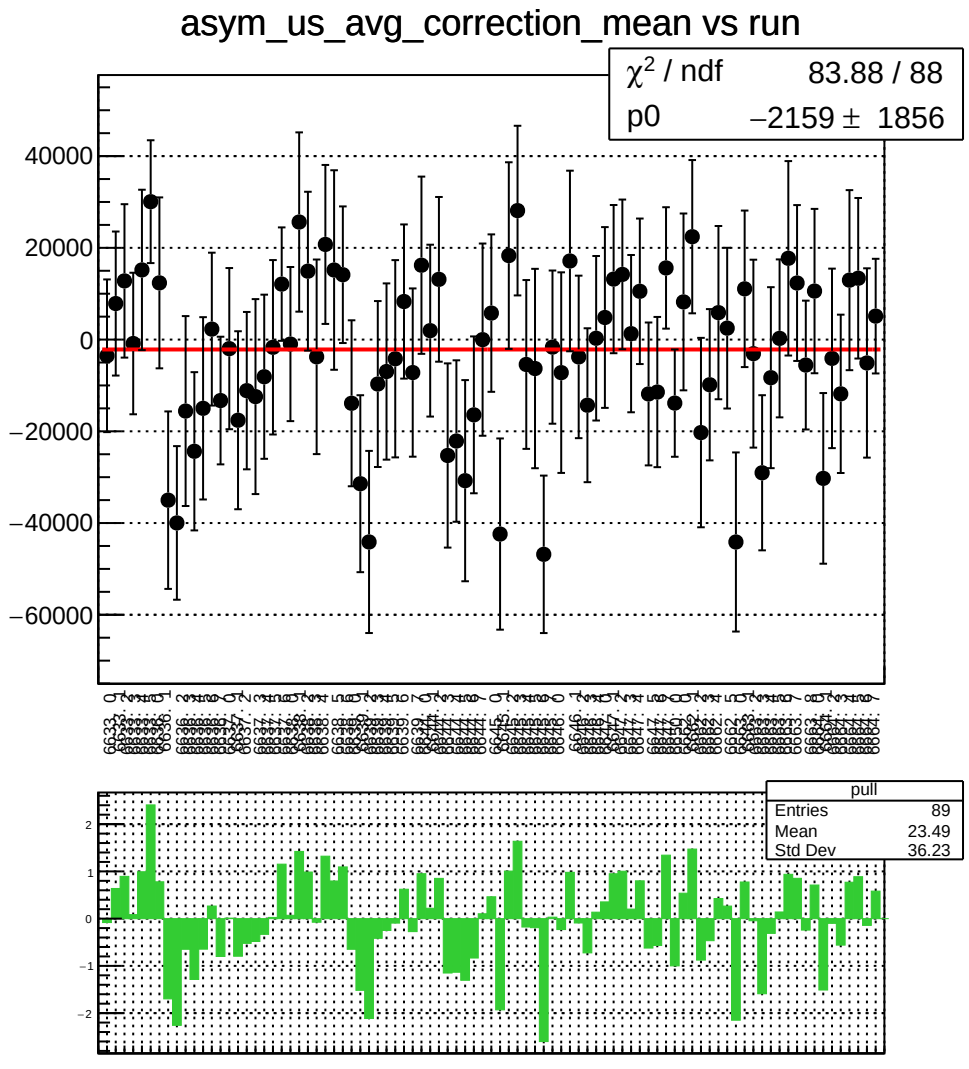
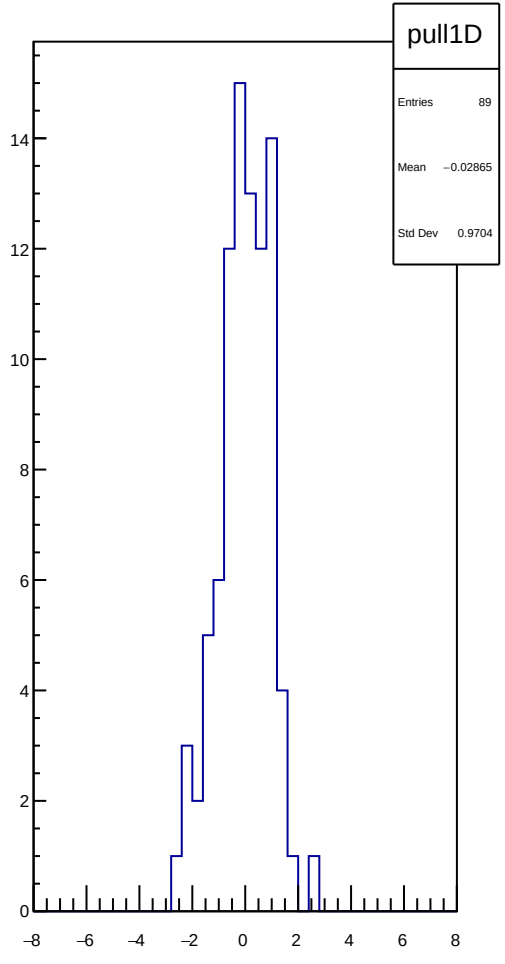
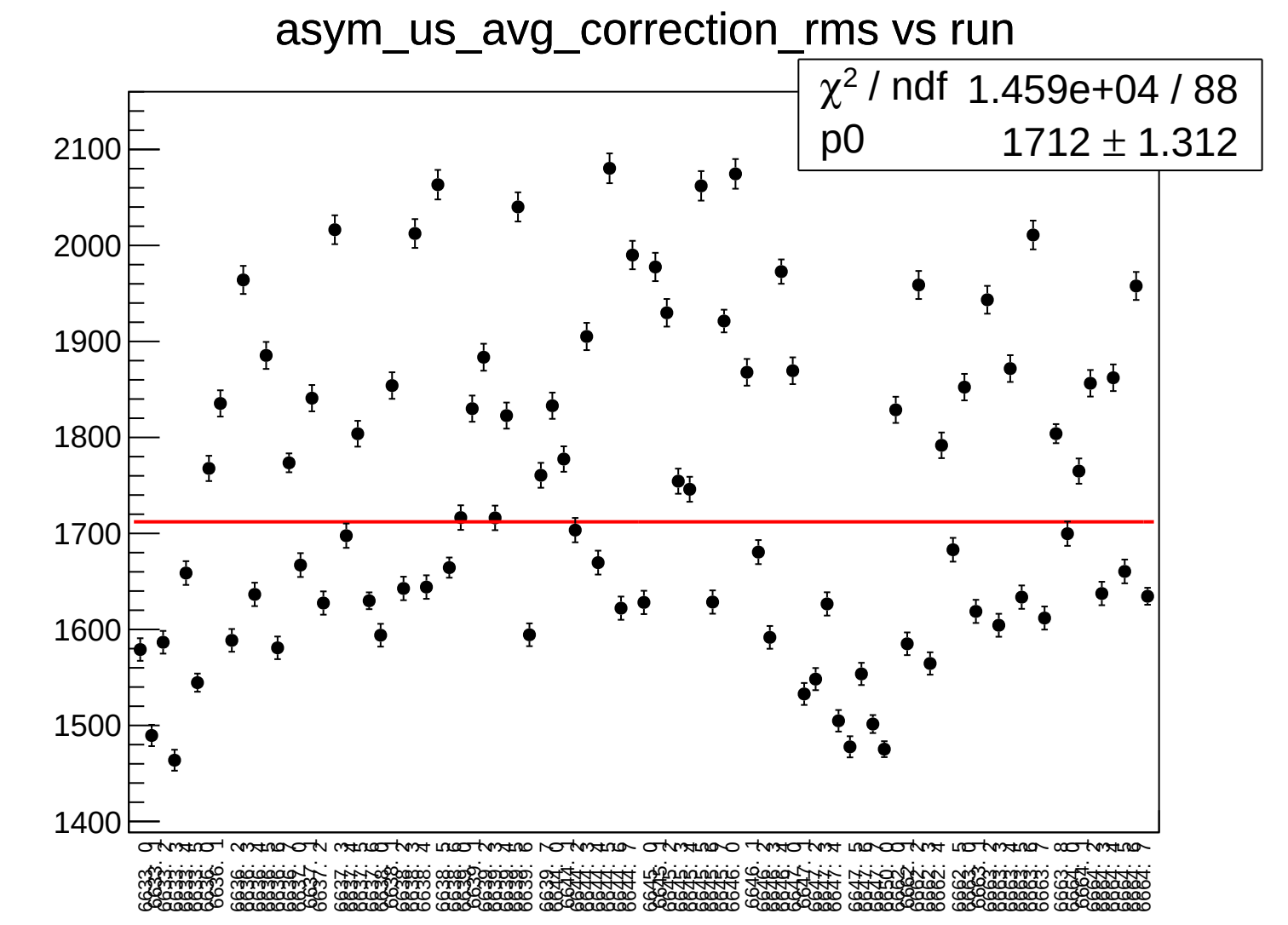

dit_asym_us_avg_mean vs run
χ² / ndf 67.28 / 88
p0 −3590 ± 907.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 144.5
Std Dev 120.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

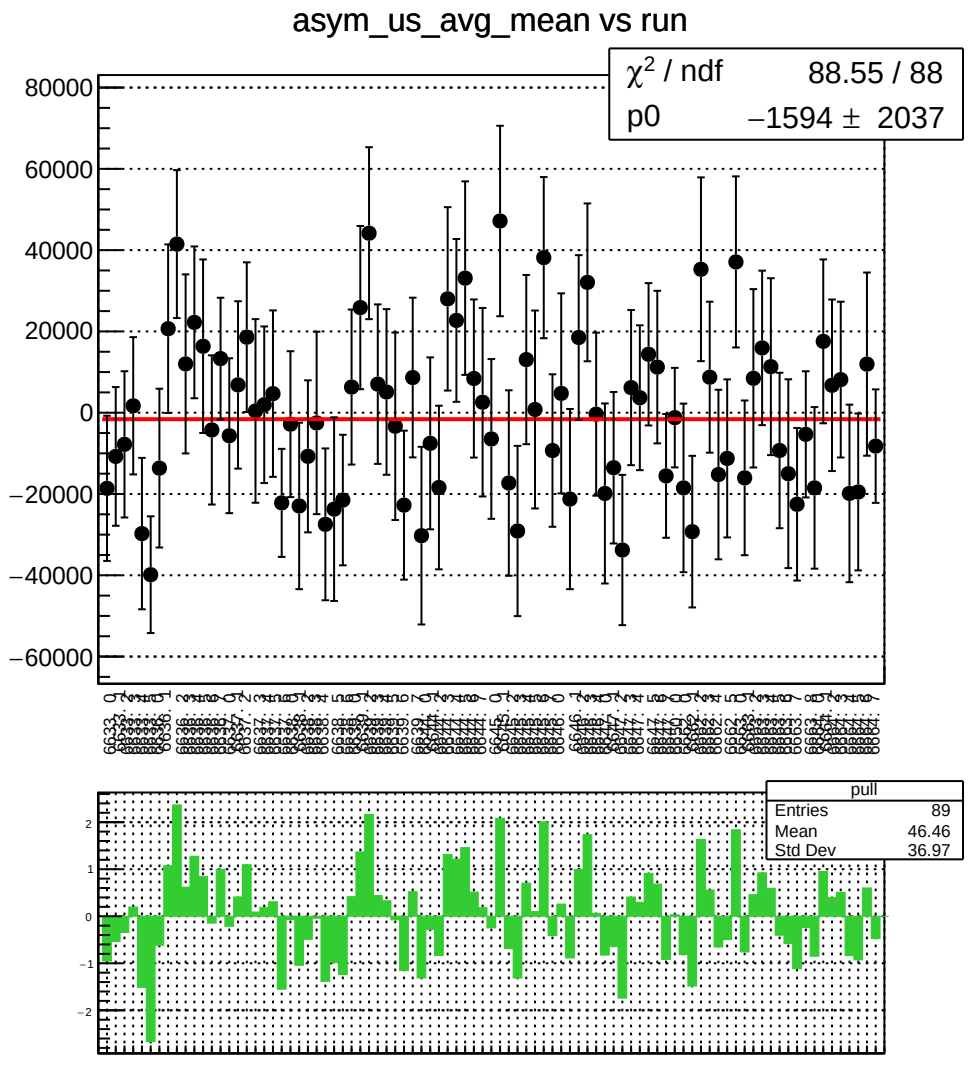

pull1D
Entries 89
Mean 0.01514
Std Dev 0.8693
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

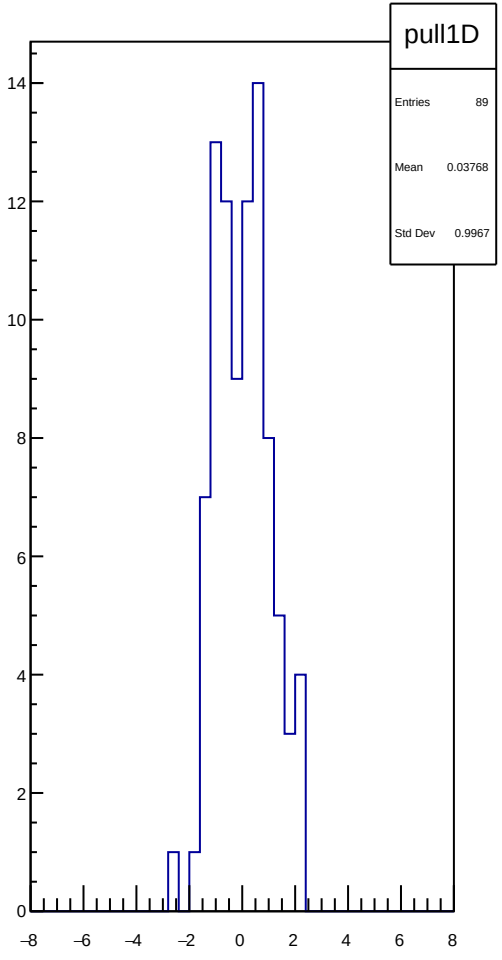

dit_asym_us_avg_rms vs run
χ² / ndf 220.4 / 88
p0 841 ± 0.6418
870
860
850
840
830
820
810
800

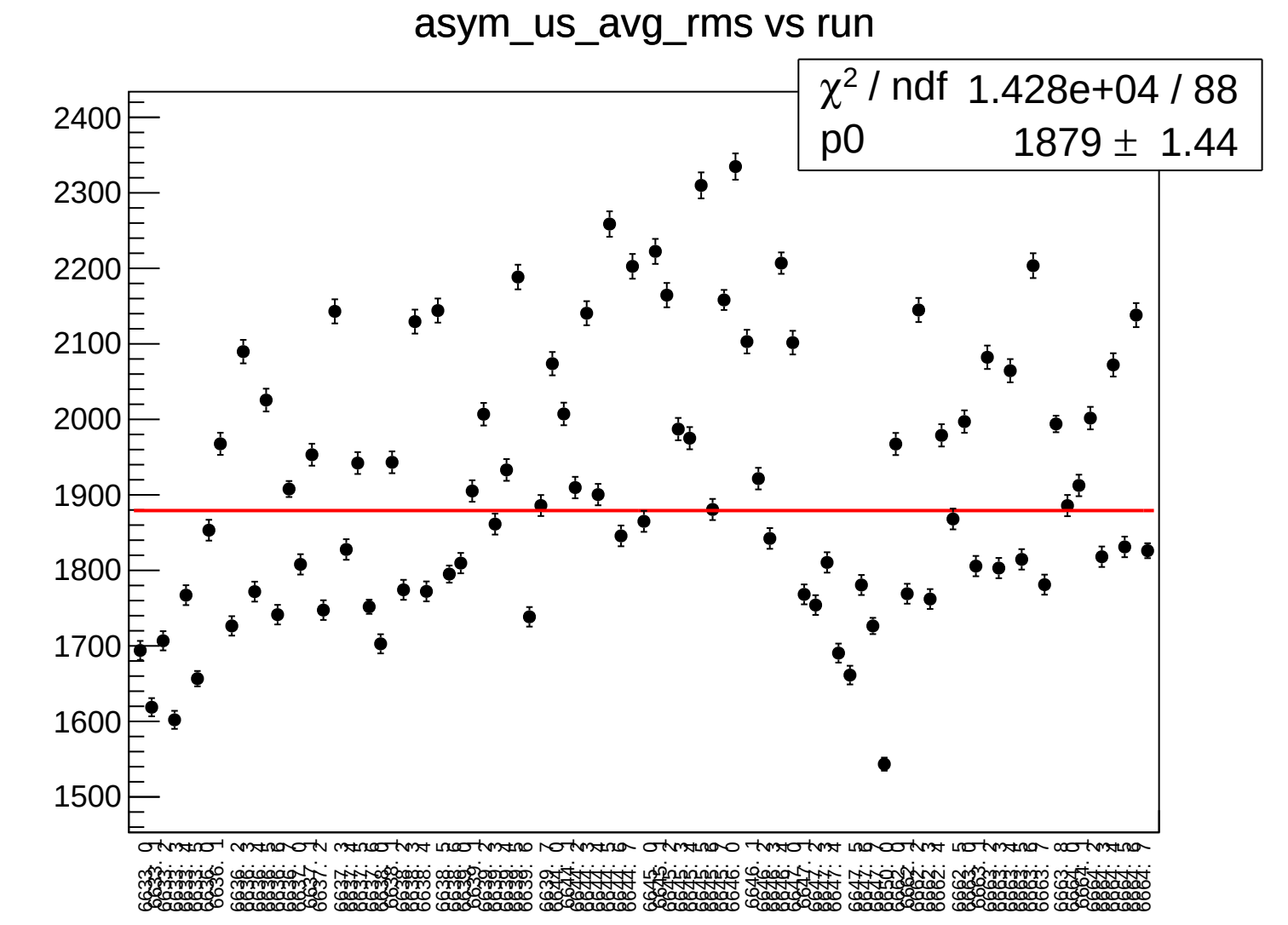

asym_us_avg_correction_mean vs run
χ² / ndf 83.88 / 88
p0 −2159 ± 1856
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 23.49
Std Dev 36.23
2
1
0
−1
−2

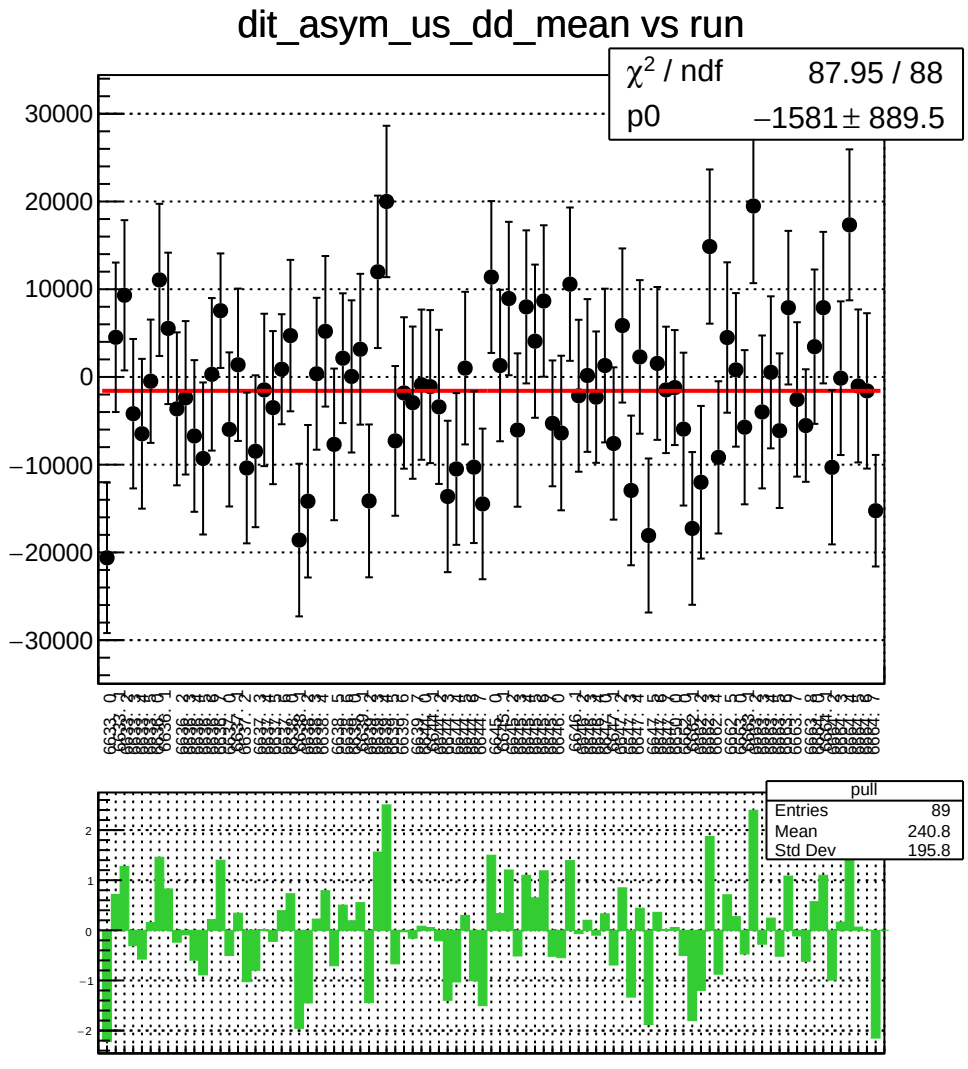

pull1D
Entries 89
Mean −0.02865
Std Dev 0.9704
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

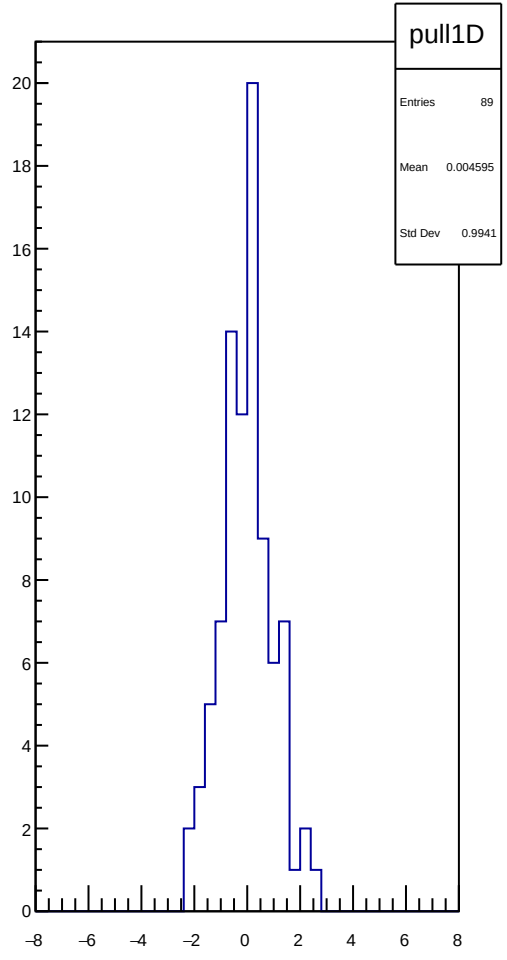

asym_us_avg_correction_rms vs run
χ² / ndf 1.459e+04 / 88
p0 1712 ± 1.312
2100
2000
1900
1800
1700
1600
1500
1400

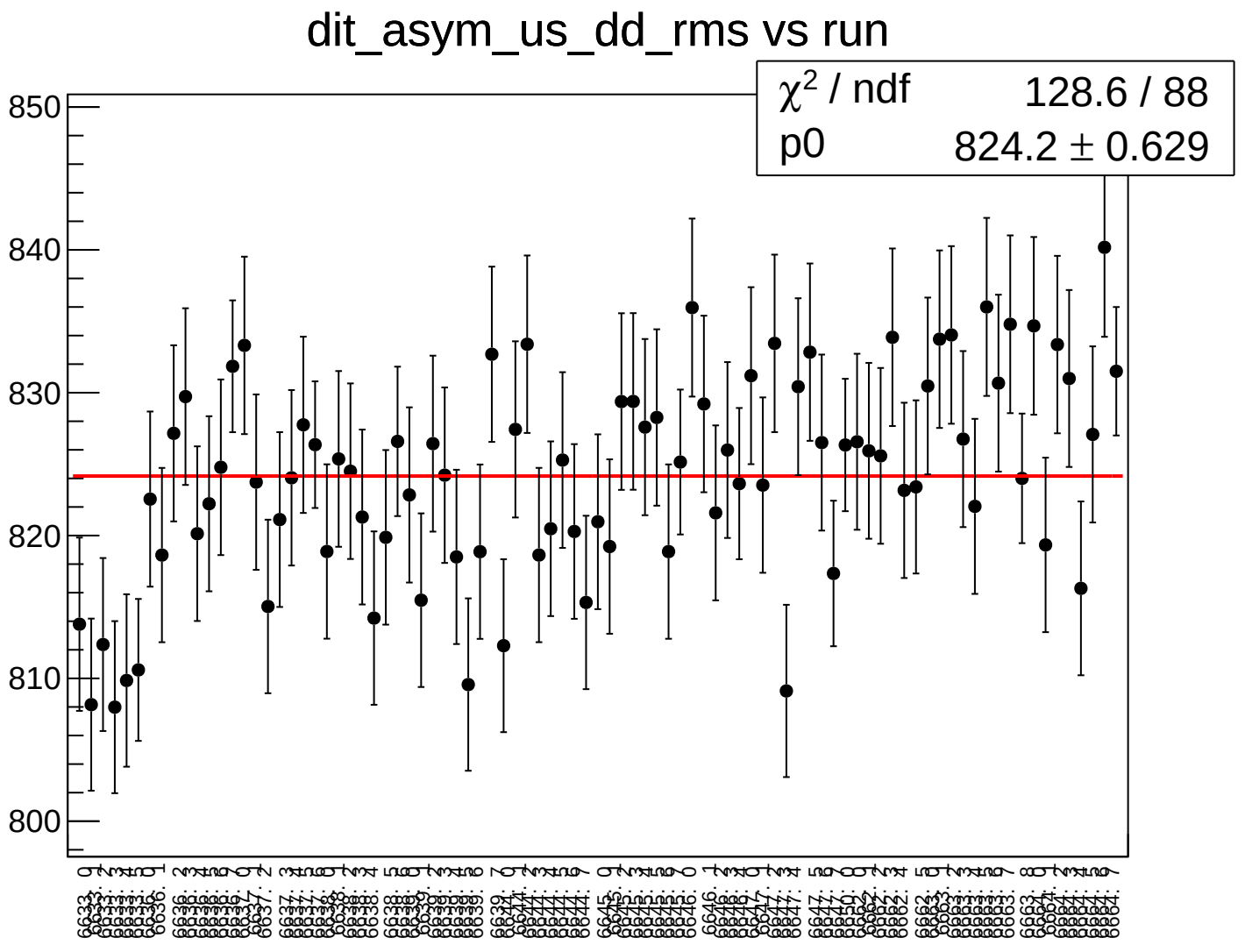

asym_us_avg_mean vs run
χ² / ndf 88.55 / 88
p0 −1594 ± 2037
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 46.46
Std Dev 36.97
2
1
0
−1
−2

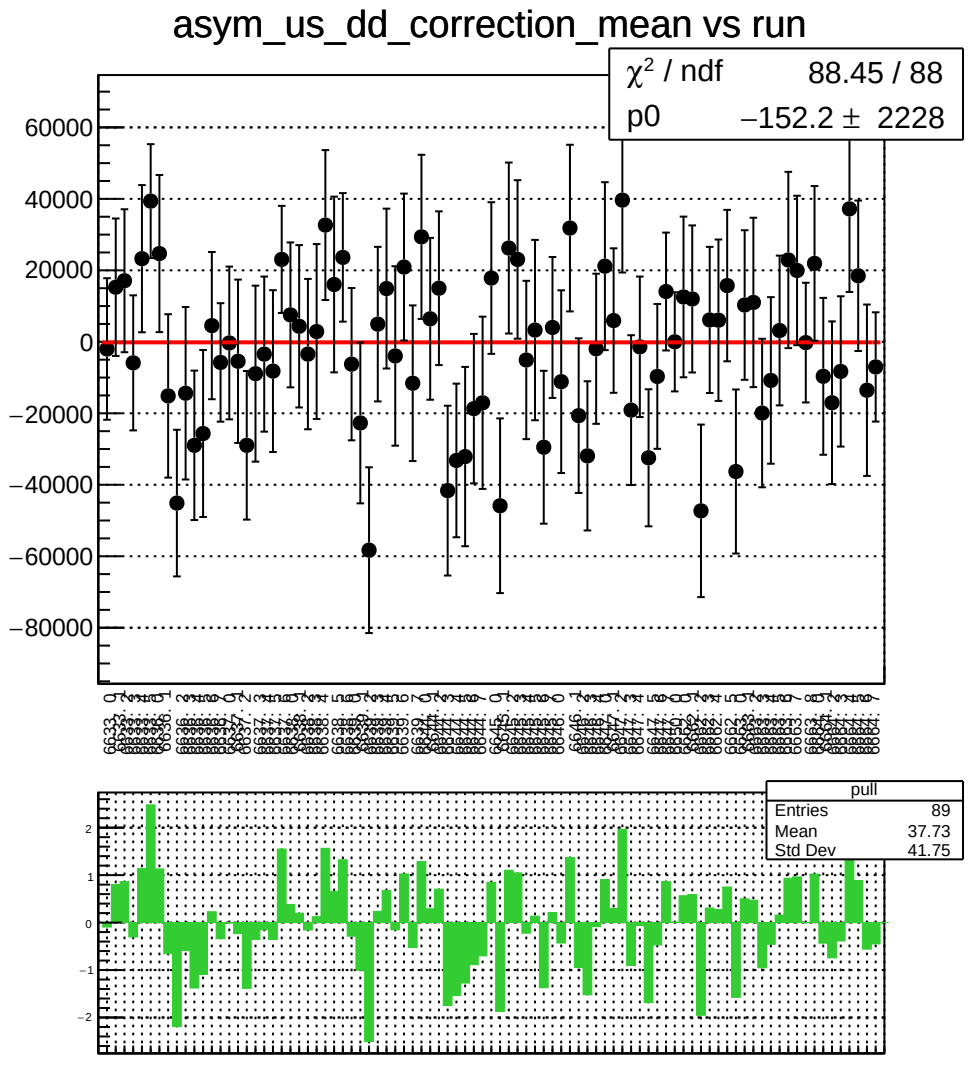

pull1D
Entries 89
Mean 0.03768
Std Dev 0.9967
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

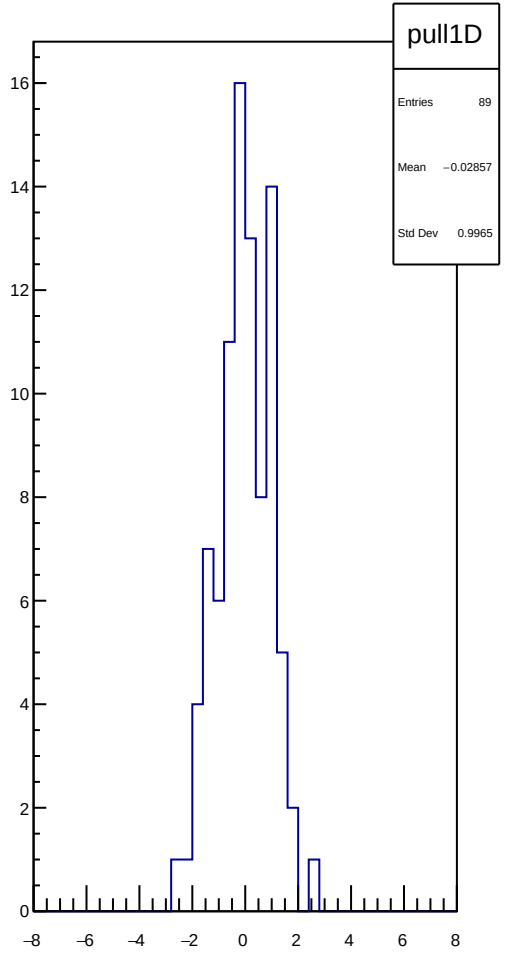

asym_us_avg_rms vs run
χ² / ndf 1.428e+04 / 88
p0 1879 ± 1.44
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500

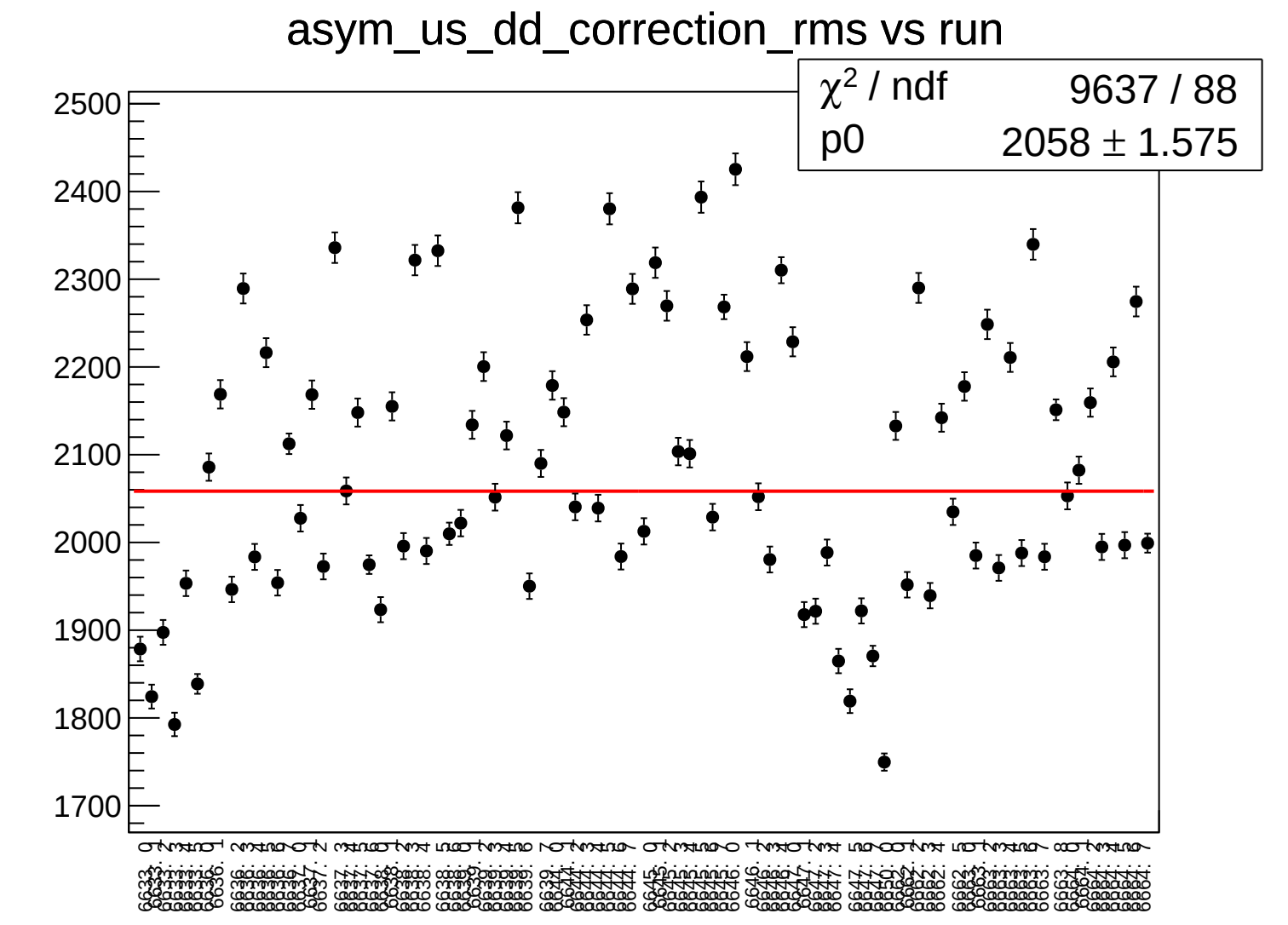

dit_asym_us_dd_mean vs run
χ² / ndf 87.95 / 88
p0 −1581 ± 889.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 240.8
Std Dev 195.8
2
1
0
−1
−2

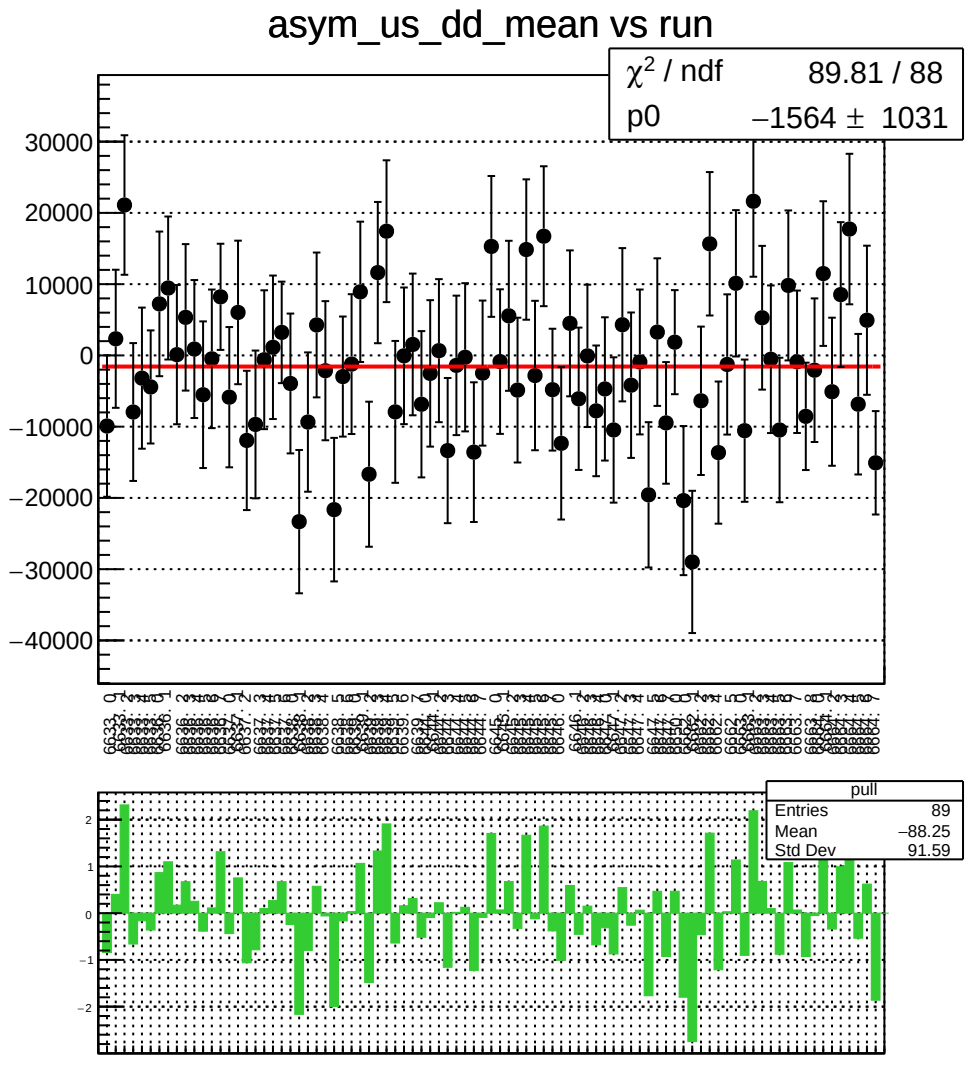

pull1D
Entries 89
Mean 0.004595
Std Dev 0.9941
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

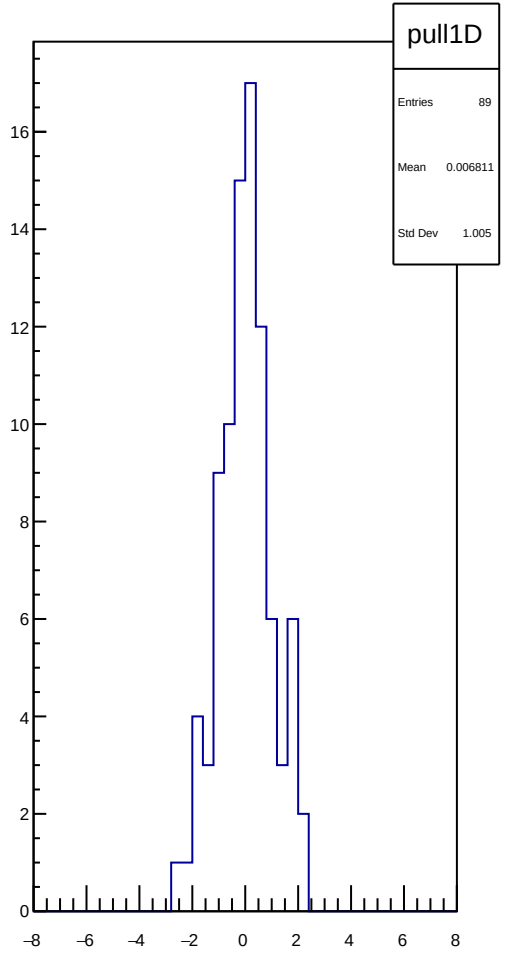

dit_asym_us_dd_rms vs run
χ² / ndf 128.6 / 88
p0 824.2 ± 0.629
850
840
830
820
810
800

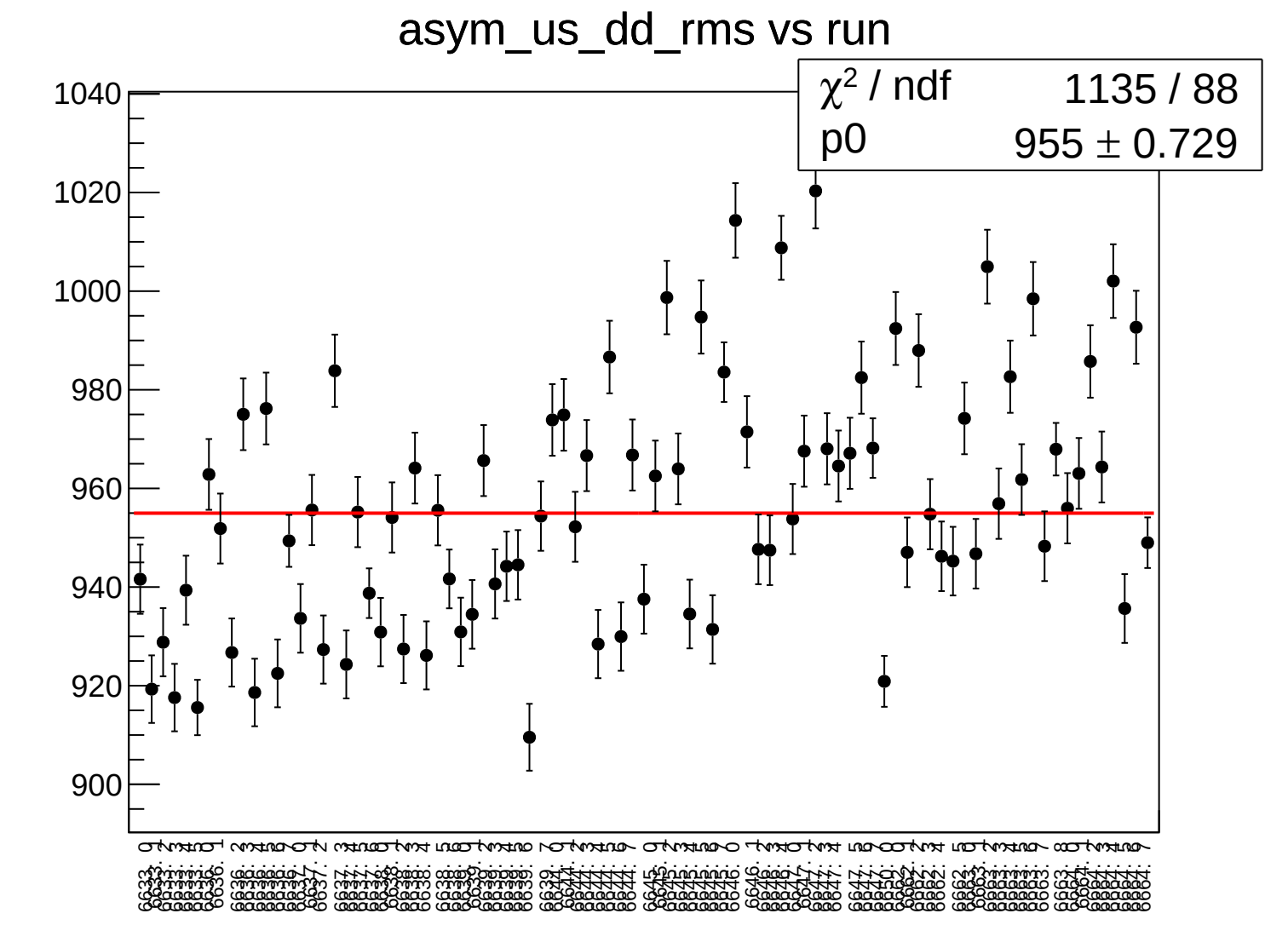

asym_us_dd_correction_mean vs run
χ² / ndf 88.45 / 88
p0 −152.2 ± 2228
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 37.73
Std Dev 41.75
2
1
0
−1
−2

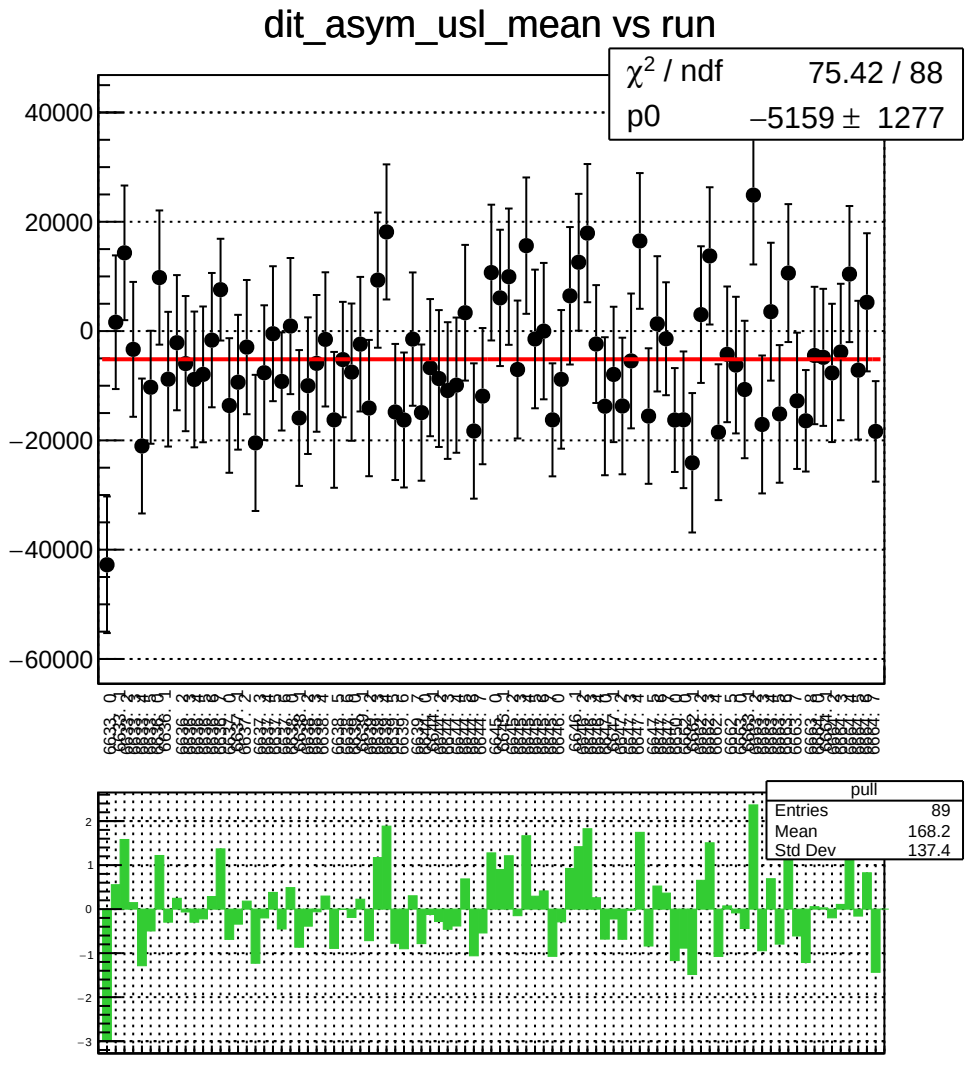

pull1D
Entries 89
Mean −0.02857
Std Dev 0.9965
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

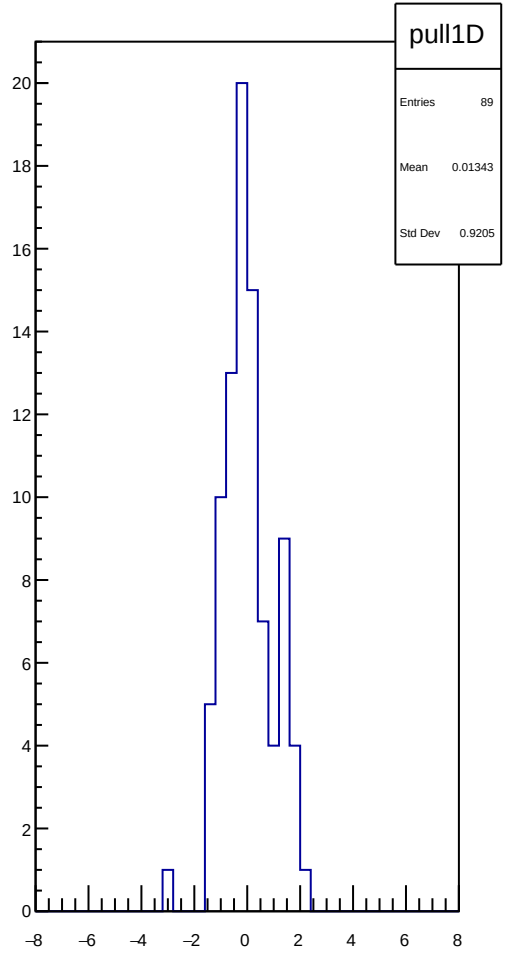

asym_us_dd_correction_rms vs run
χ² / ndf 9637 / 88
p0 2058 ± 1.575
2500
2400
2300
2200
2100
2000
1900
1800
1700

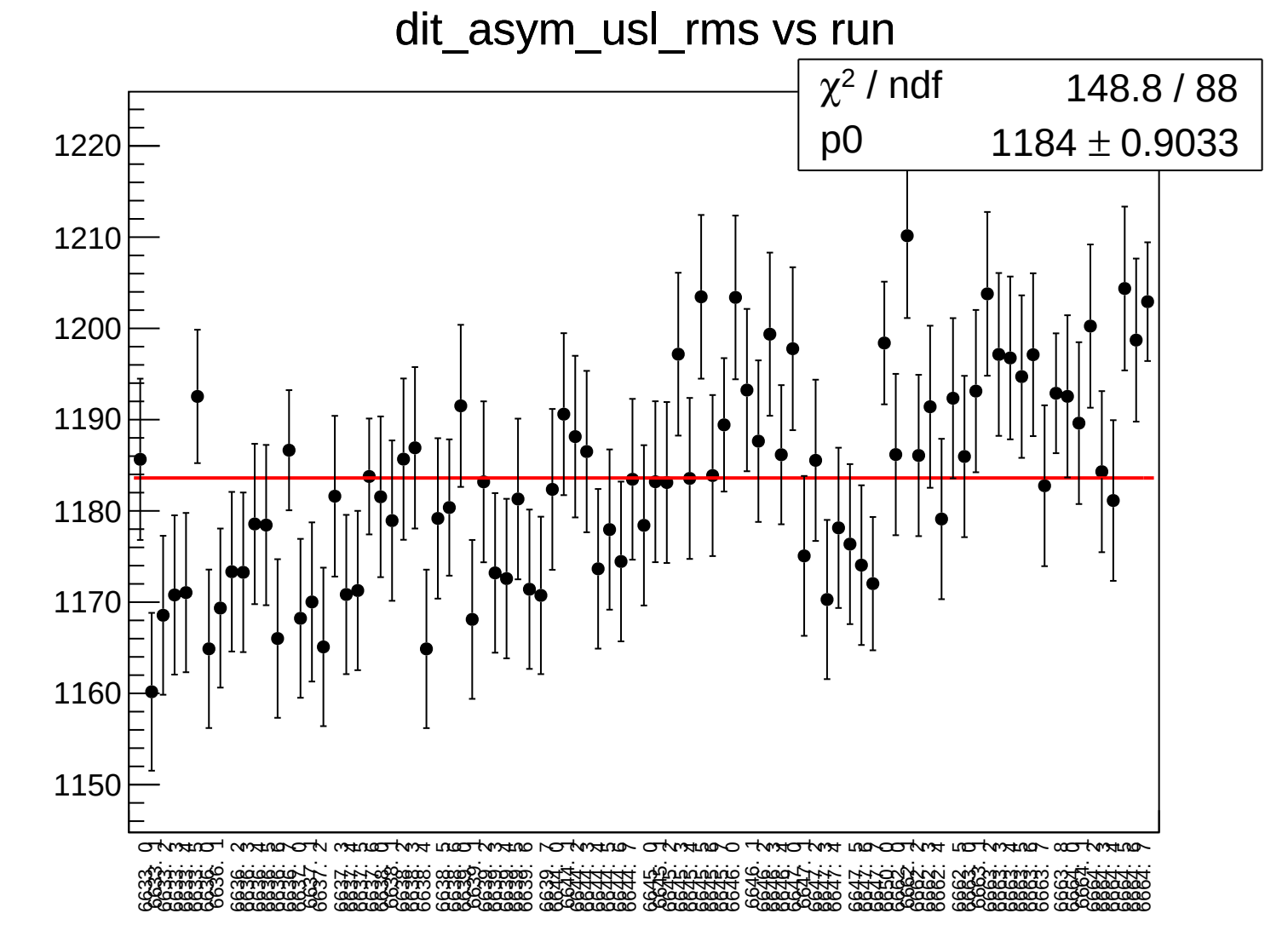

asym_us_dd_mean vs run
χ² / ndf 89.81 / 88
p0 −1564 ± 1031
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean −88.25
Std Dev 91.59
2
1
0
−1
−2

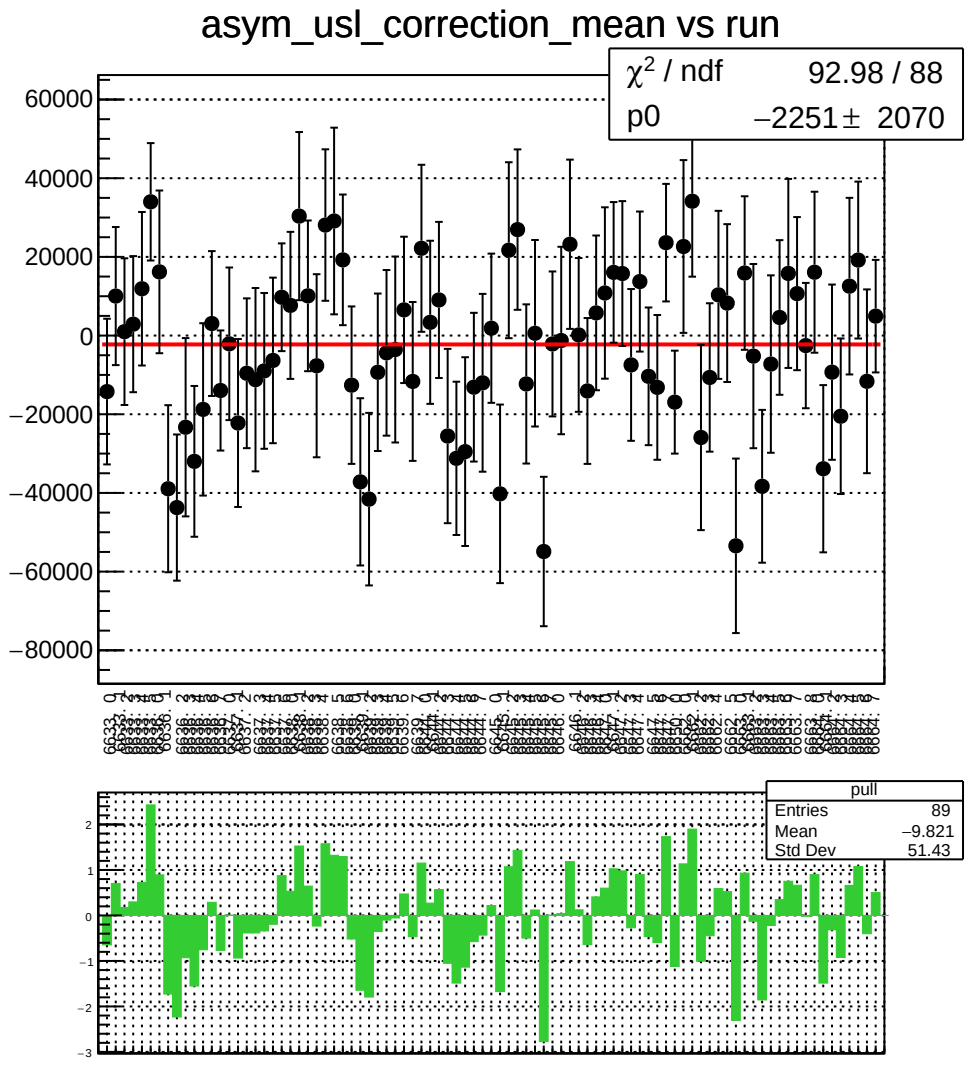

pull1D
Entries 89
Mean 0.006811
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

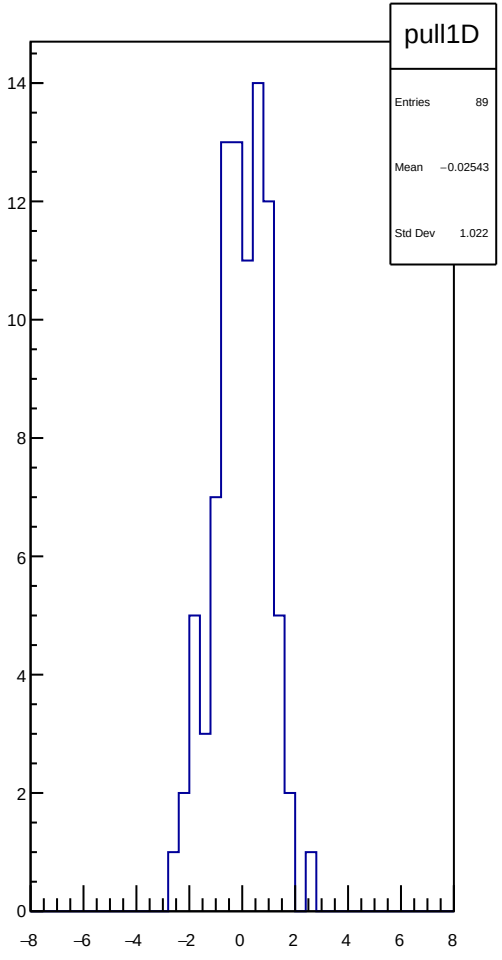

asym_us_dd_rms vs run
χ² / ndf 1135 / 88
p0 955 ± 0.729
1040
1020
1000
980
960
940
920
900

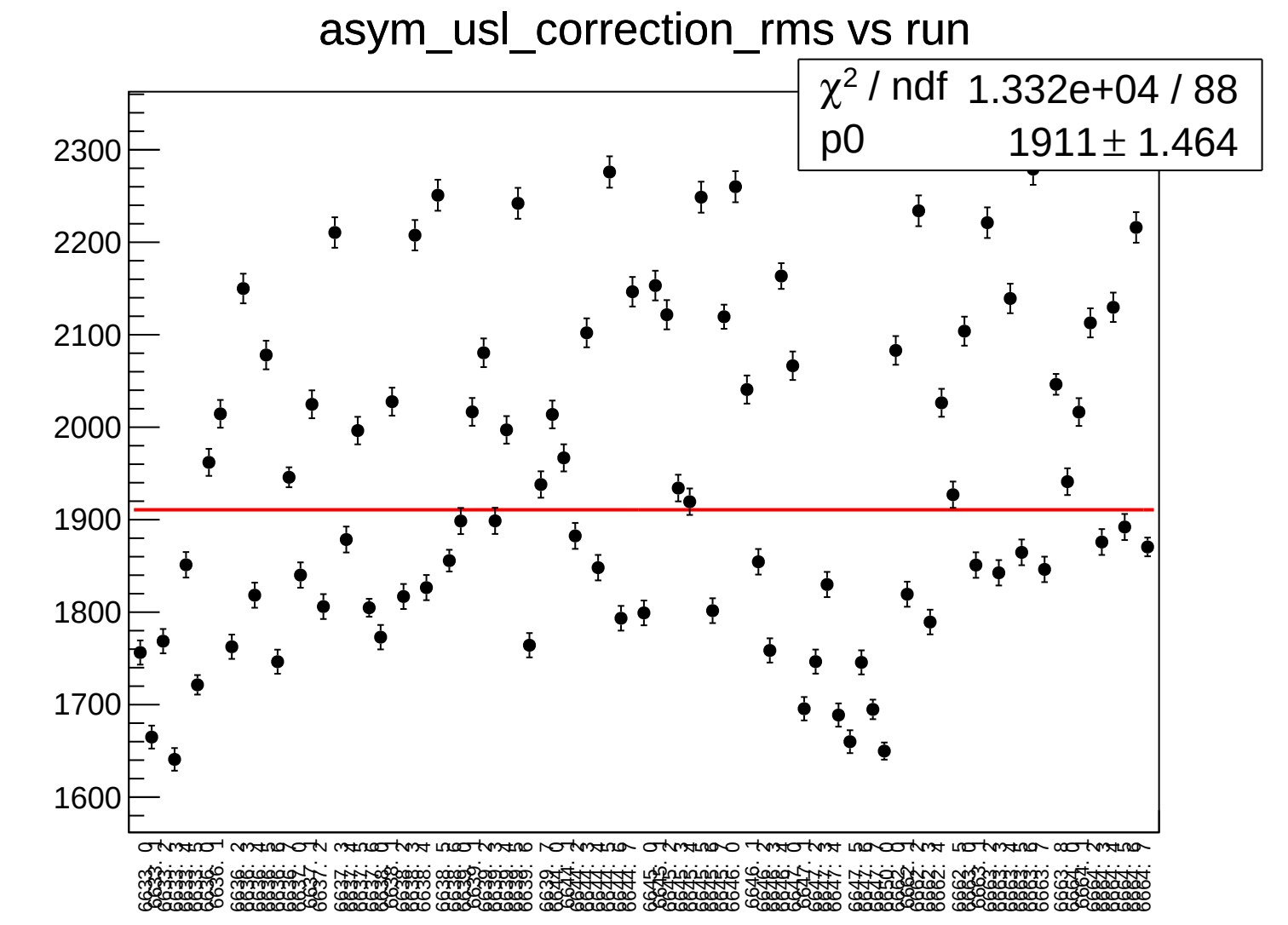

dit_asym_usl_mean vs run
χ² / ndf 75.42 / 88
p0 −5159 ± 1277
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 168.2
Std Dev 137.4
2
1
0
−1
−2
−3

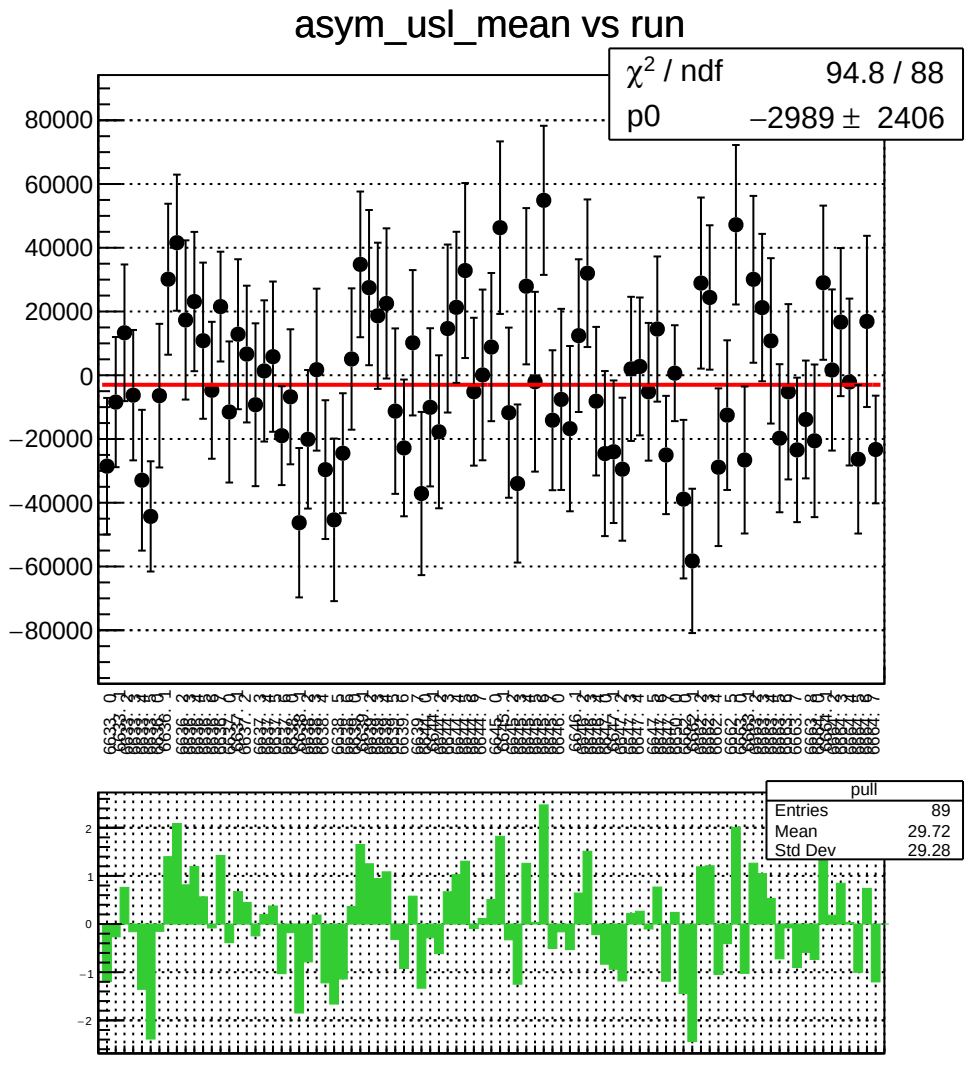

pull1D
Entries 89
Mean 0.01343
Std Dev 0.9205
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

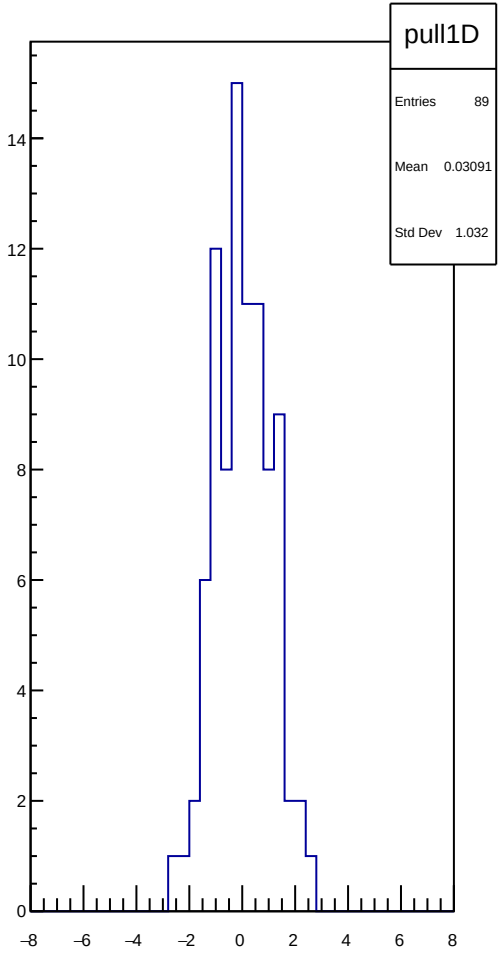

dit_asym_usl_rms vs run
χ² / ndf 148.8 / 88
p0 1184 ± 0.9033
1220
1210
1200
1190
1180
1170
1160
1150

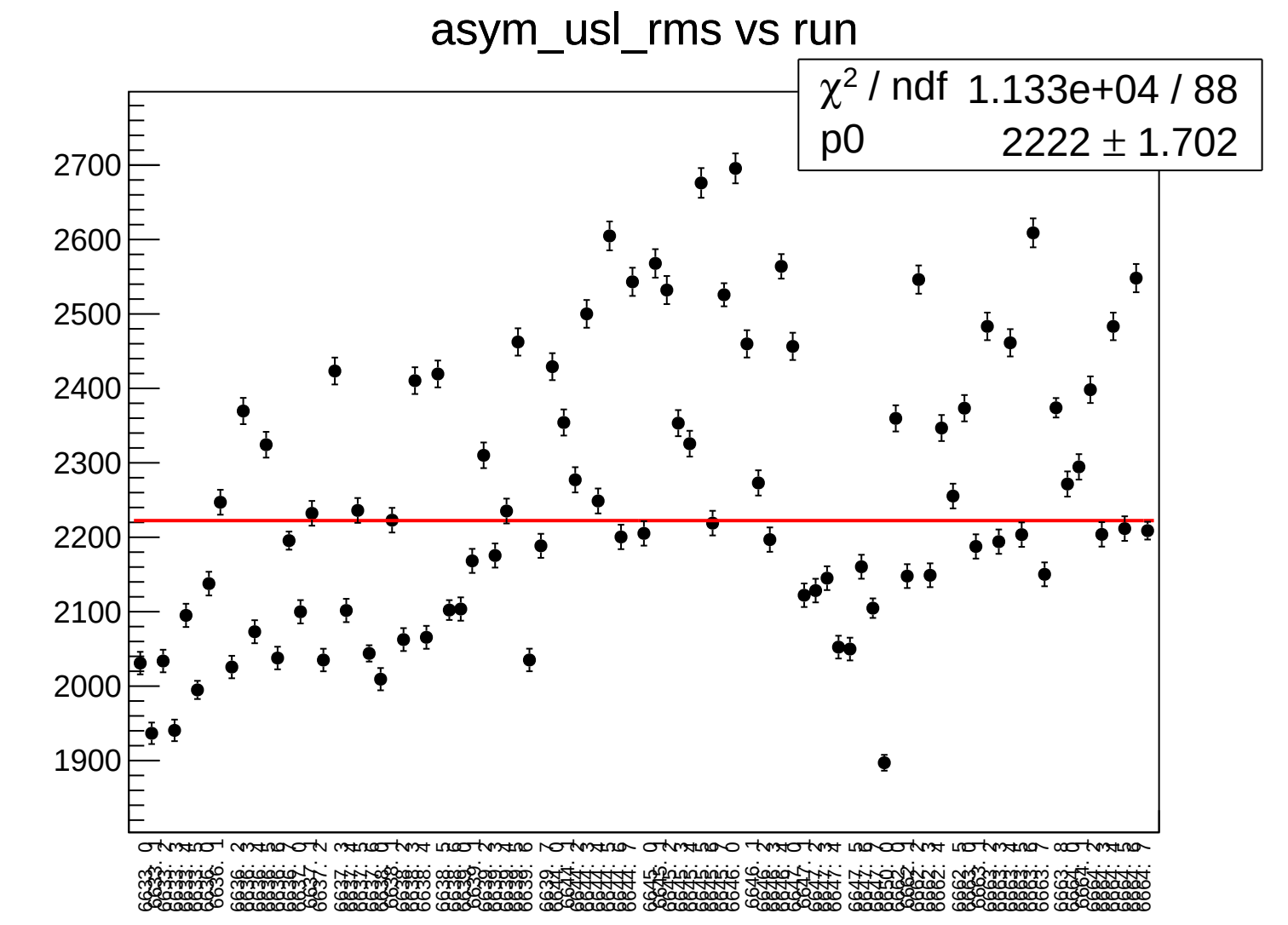

asym_usl_correction_mean vs run
χ² / ndf 92.98 / 88
p0 −2251 ± 2070
pull
Entries 89
Mean −9.821
Std Dev 51.43

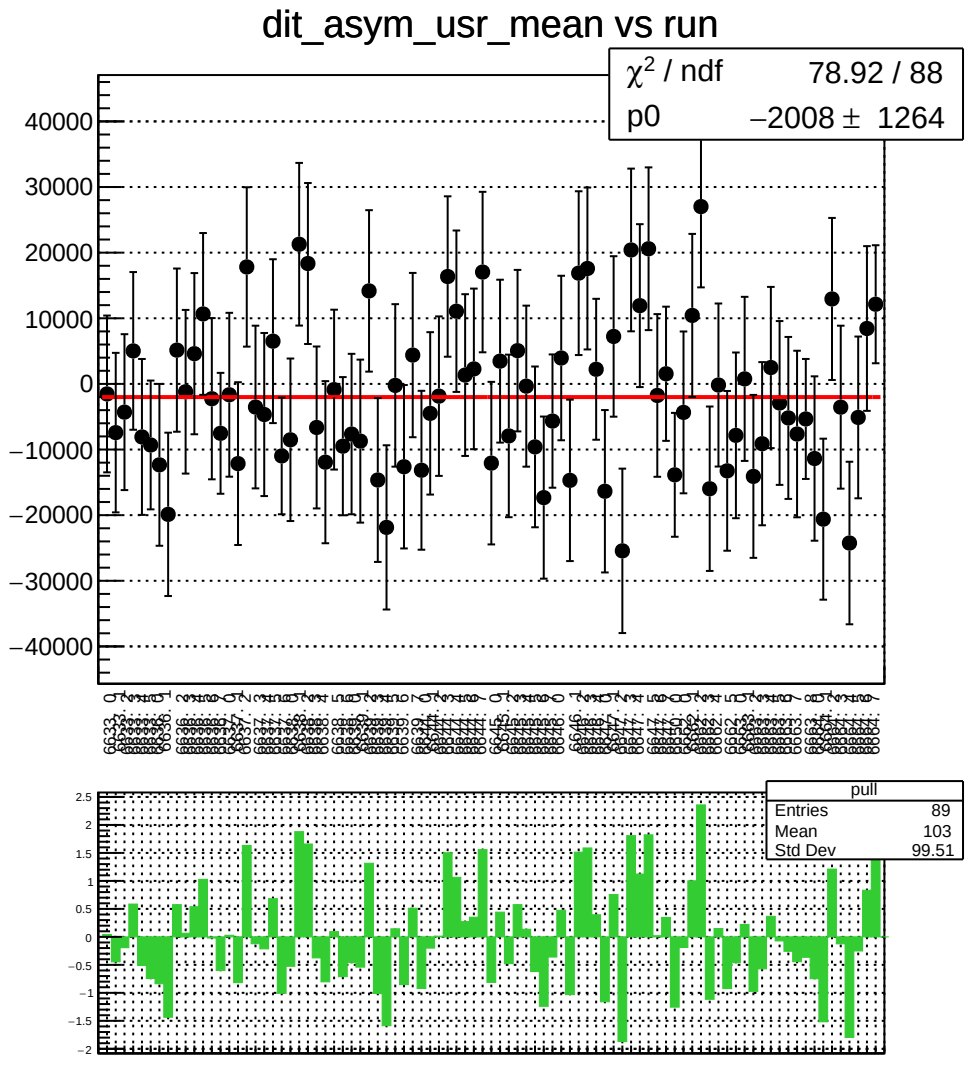

pull1D
Entries 89
Mean −0.02543
Std Dev 1.022

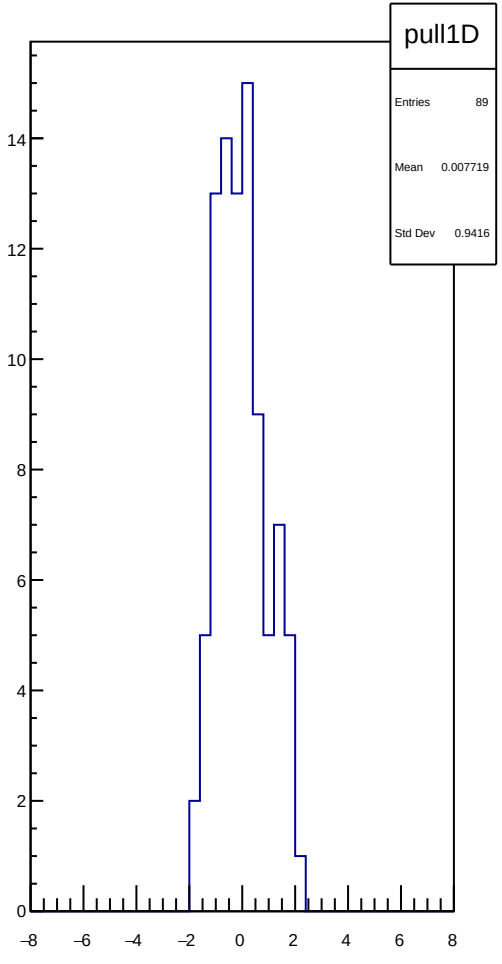

asym_usl_correction_rms vs run
χ² / ndf 1.332e+04 / 88
p0 1911 ± 1.464
2300
2200
2100
2000
1900
1800
1700
1600

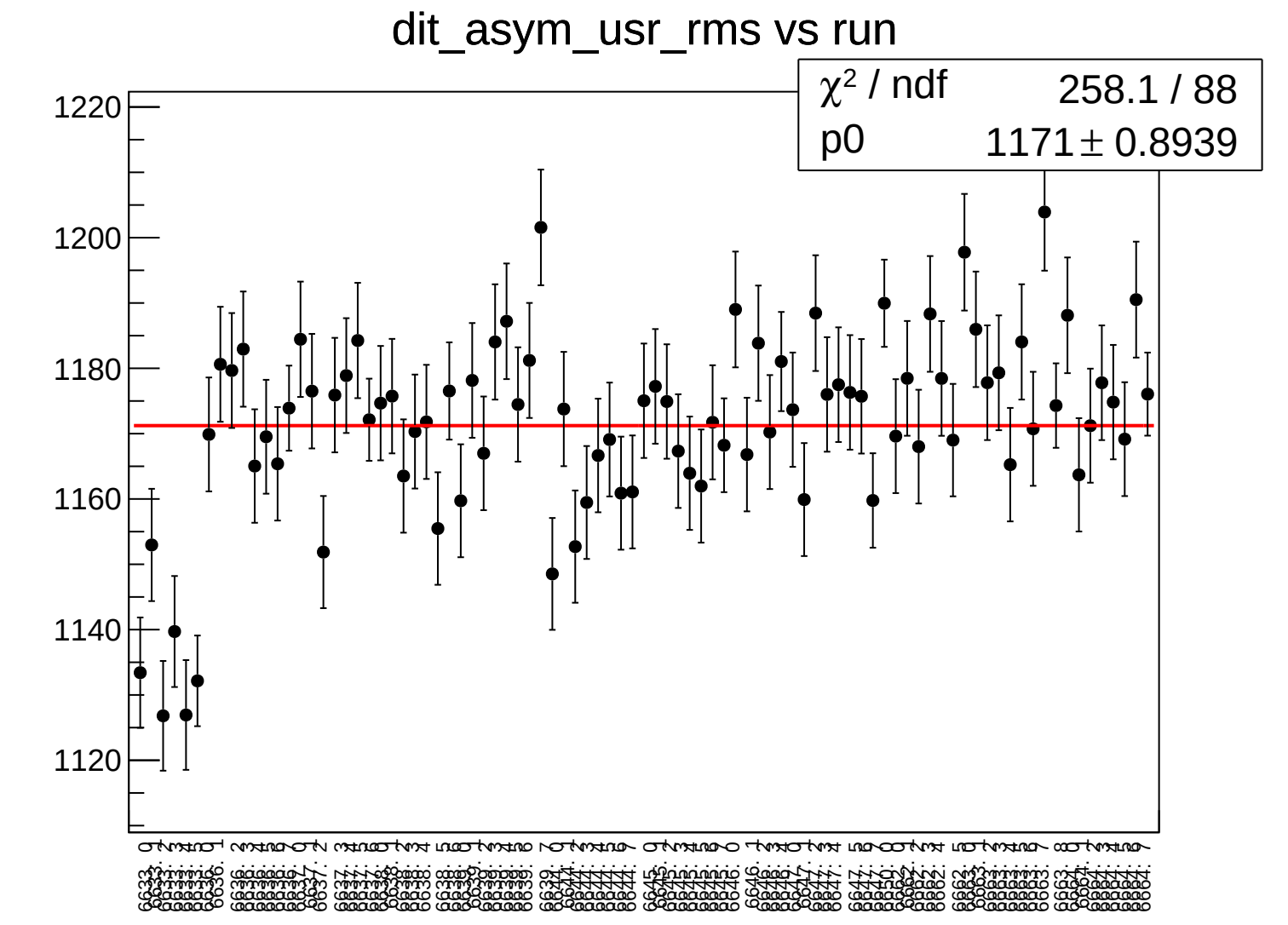

asym_usl_mean vs run
χ^2 / ndf 94.8 / 88
p0 −2989 ± 2406
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 29.72
Std Dev 29.28
2
1
0
−1
−2

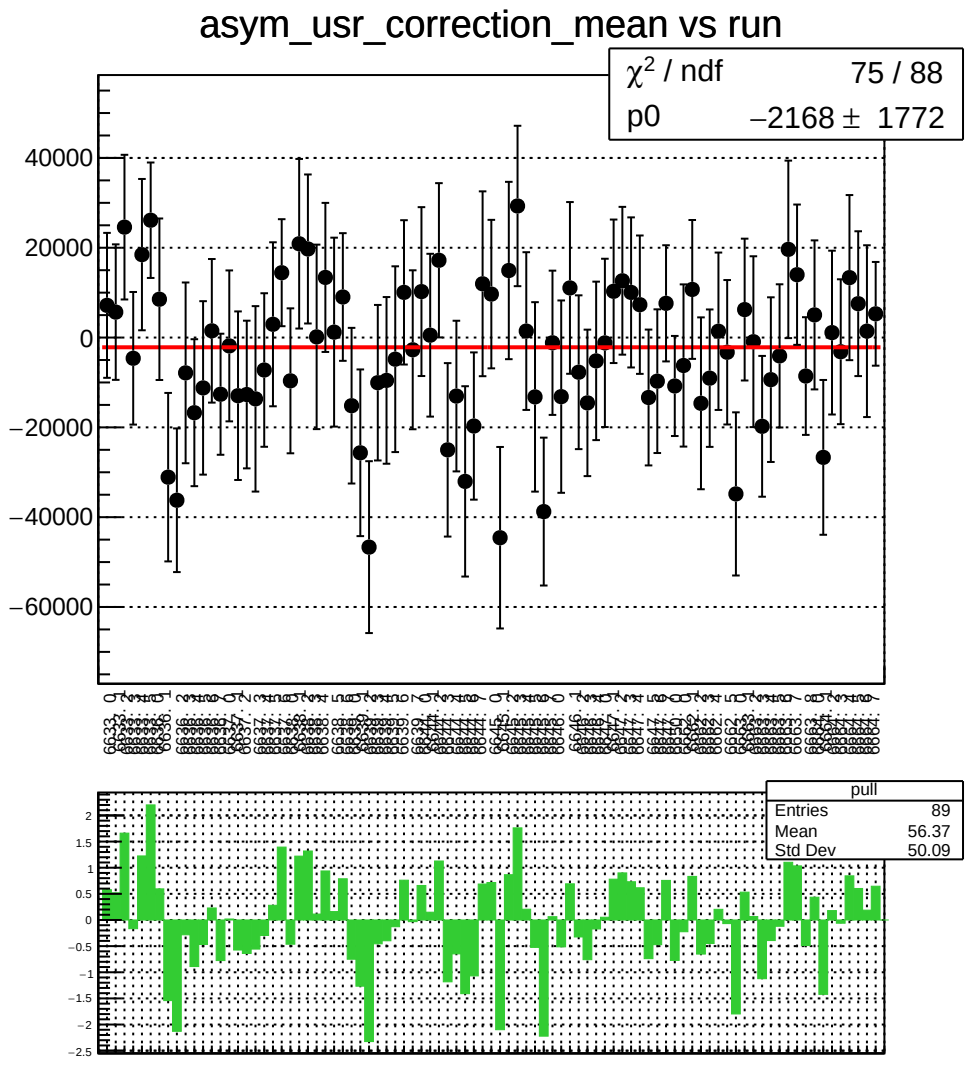

pull1D
Entries 89
Mean 0.03091
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

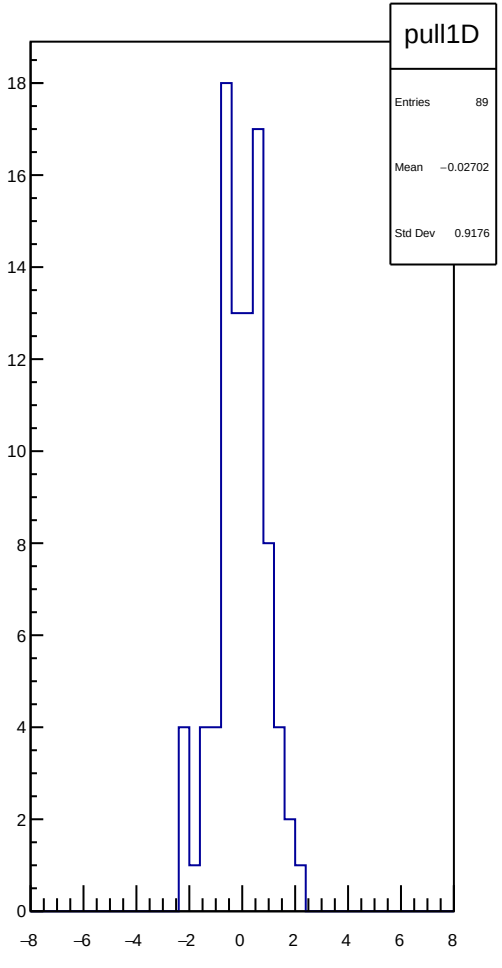

asym_usl_rms vs run
χ² / ndf 1.133e+04 / 88
p0 2222 ± 1.702
2700
2600
2500
2400
2300
2200
2100
2000
1900

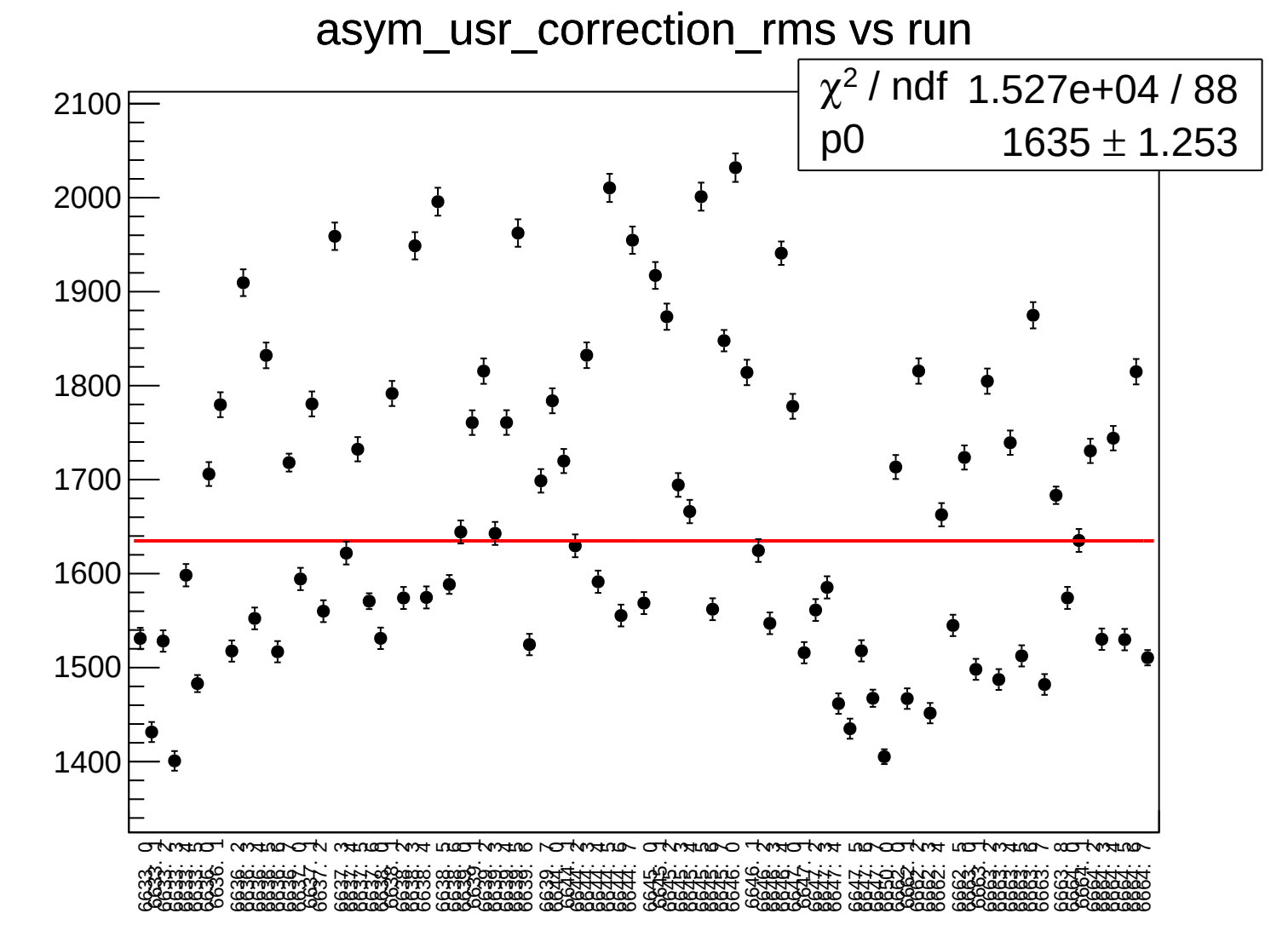

dit_asym_usr_mean vs run
χ² / ndf 78.92 / 88
p0 −2008 ± 1264
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean 103
Std Dev 99.51
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

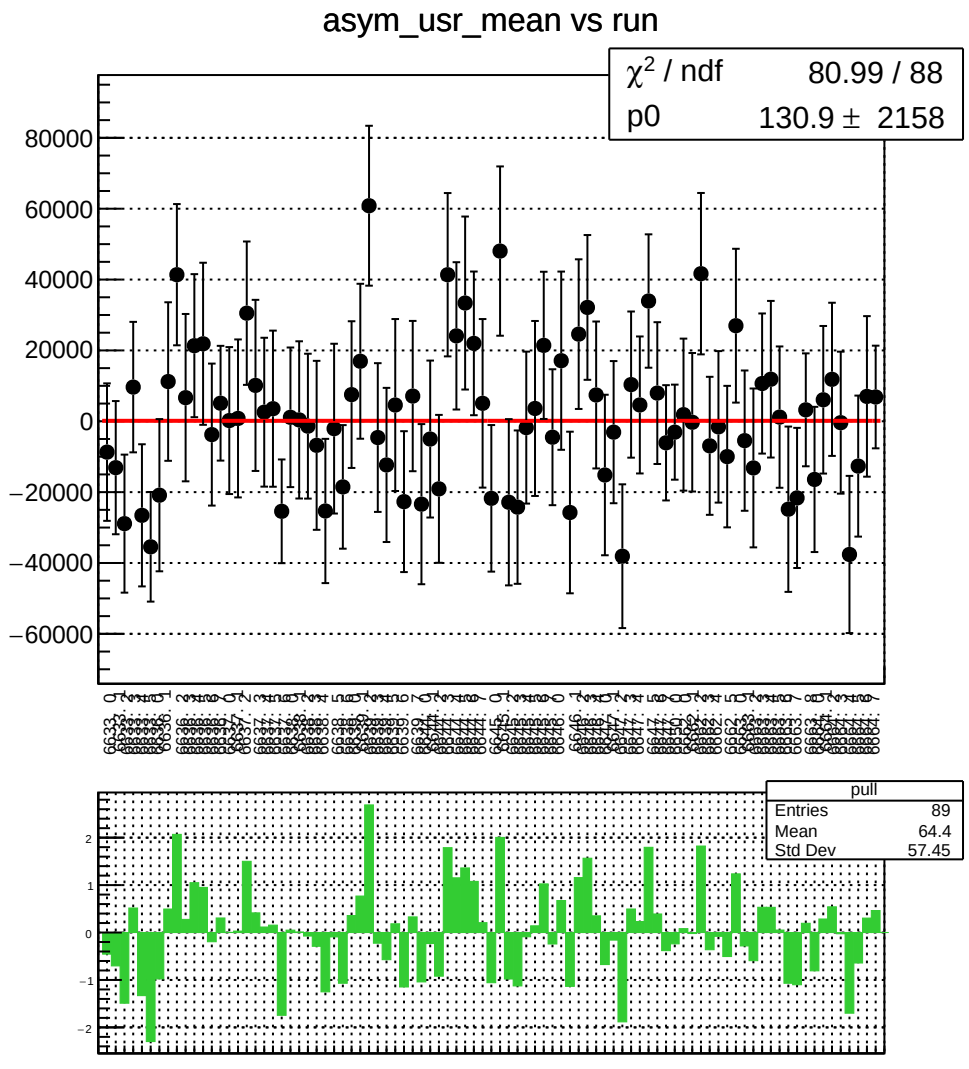

pull1D
Entries 89
Mean 0.007719
Std Dev 0.9416
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

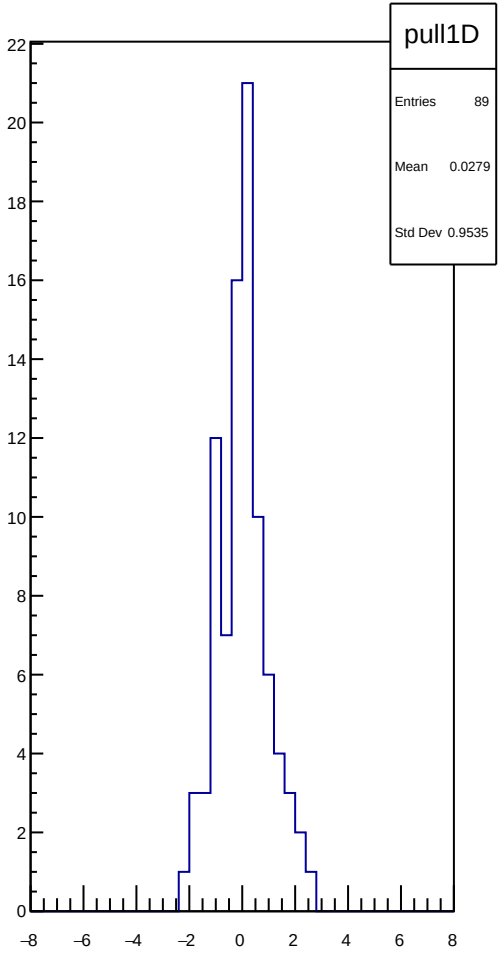

dit_asym_usr_rms vs run
χ² / ndf 258.1 / 88
p0 1171 ± 0.8939
1220
1200
1180
1160
1140
1120

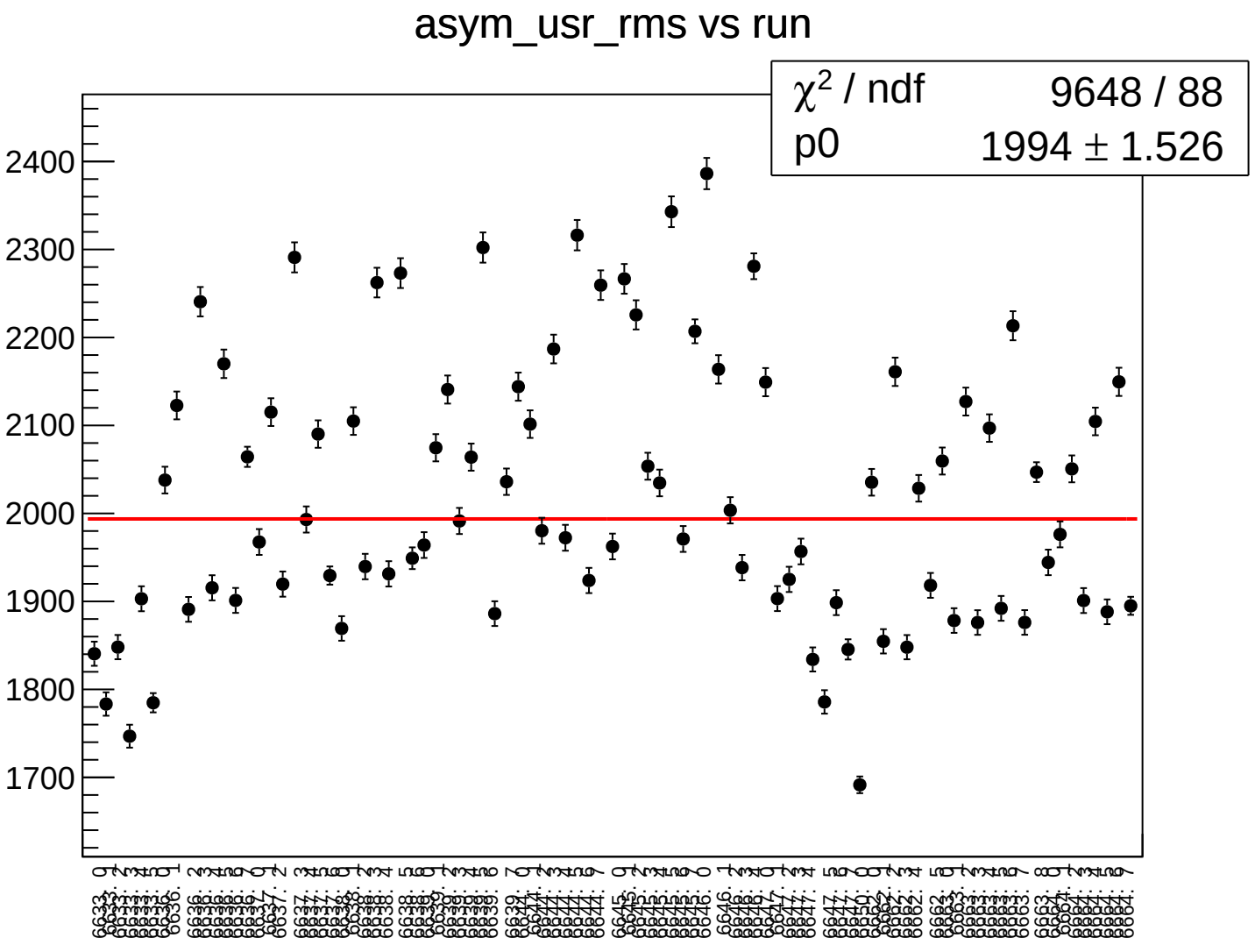

asym_usr_correction_mean vs run
χ² / ndf 75 / 88
p0 −2168 ± 1772
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 56.37
Std Dev 50.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

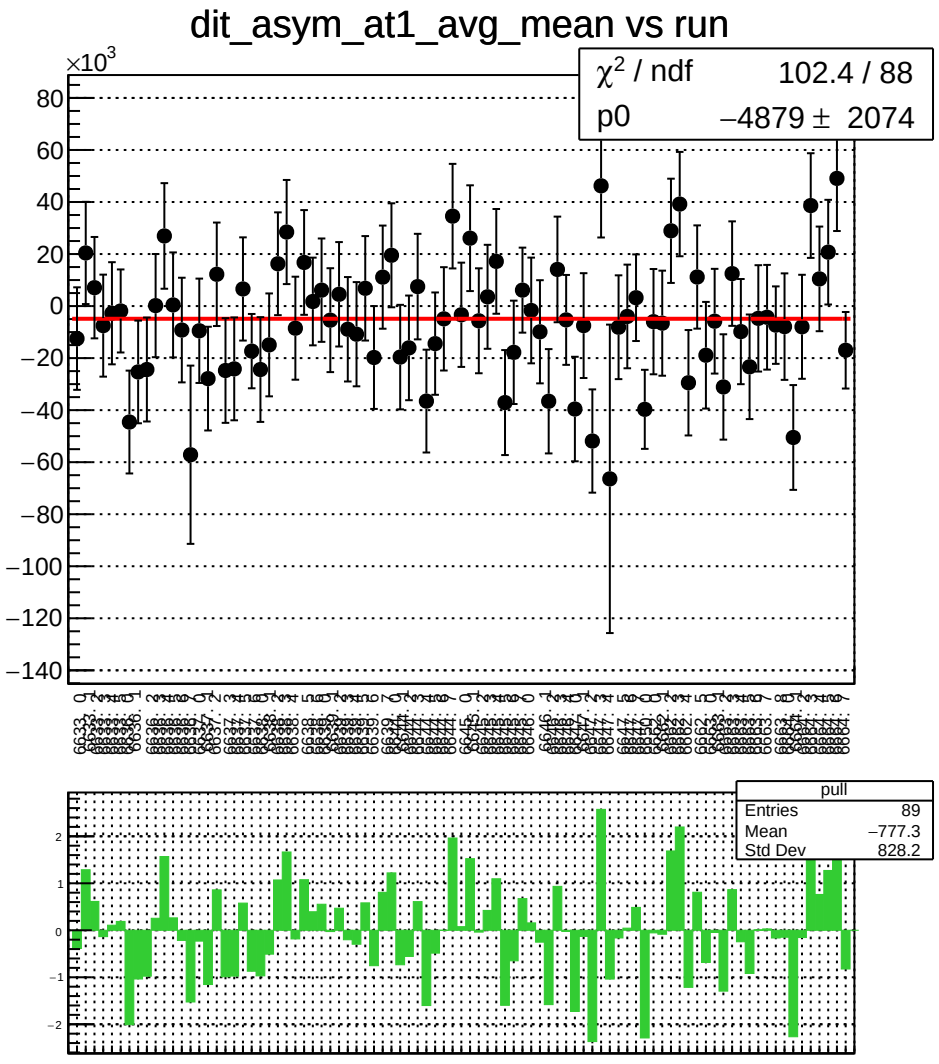

pull1D
Entries 89
Mean −0.02702
Std Dev 0.9176
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

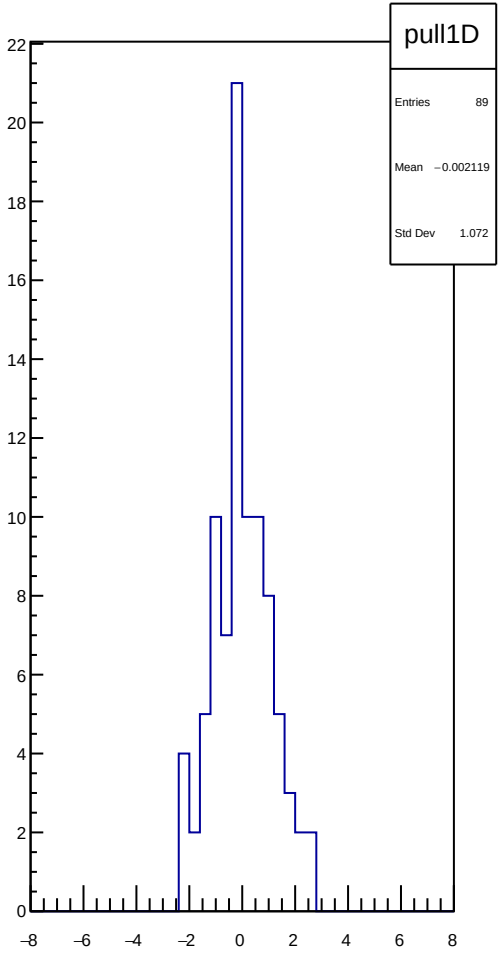

asym_usr_correction_rms vs run
χ² / ndf 1.527e+04 / 88
p0 1635 ± 1.253
2100
2000
1900
1800
1700
1600
1500
1400

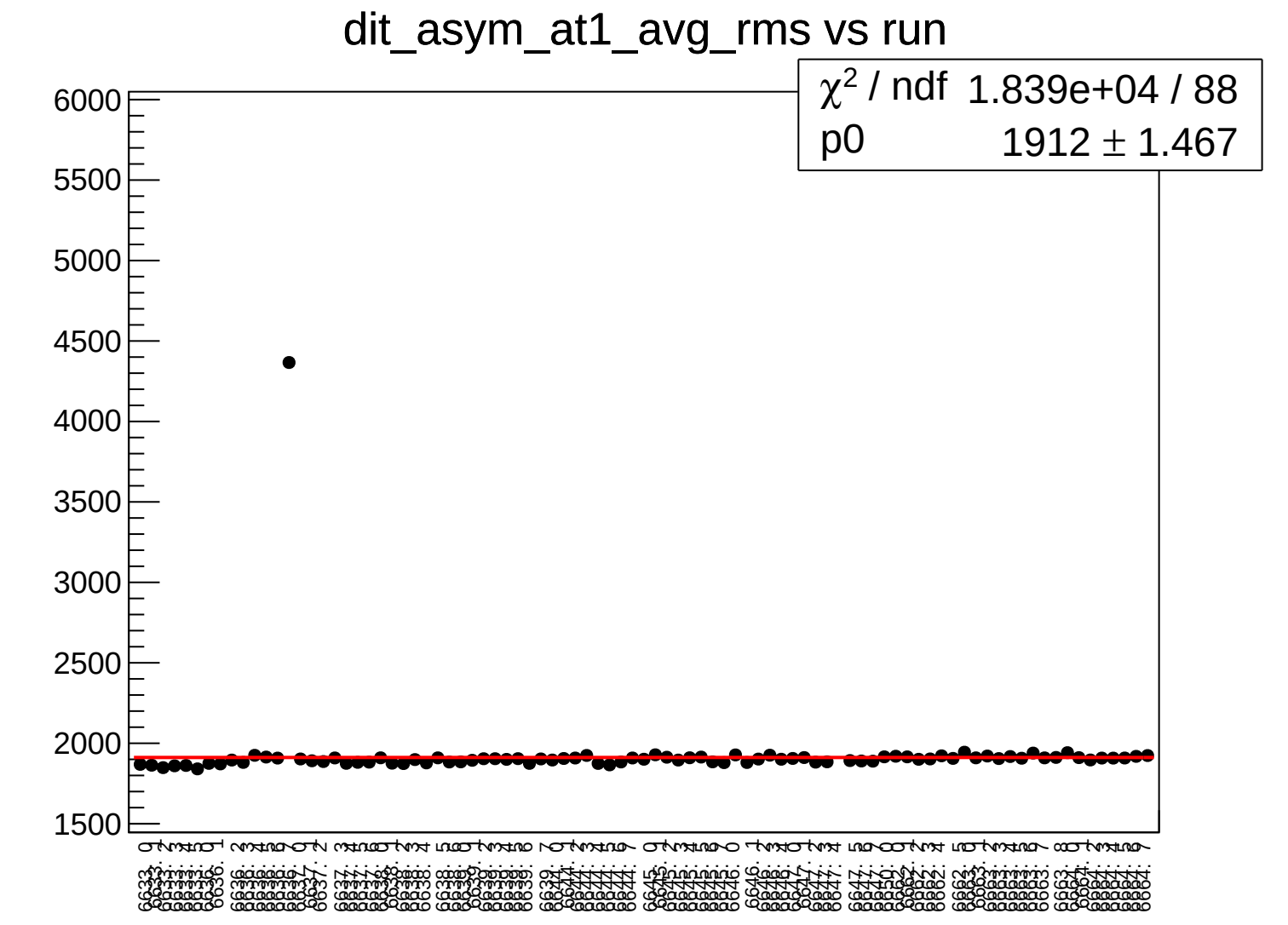

asym_usr_mean vs run
χ² / ndf 80.99 / 88
p0 130.9 ± 2158
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 64.4
Std Dev 57.45
2
1
0
−1
−2

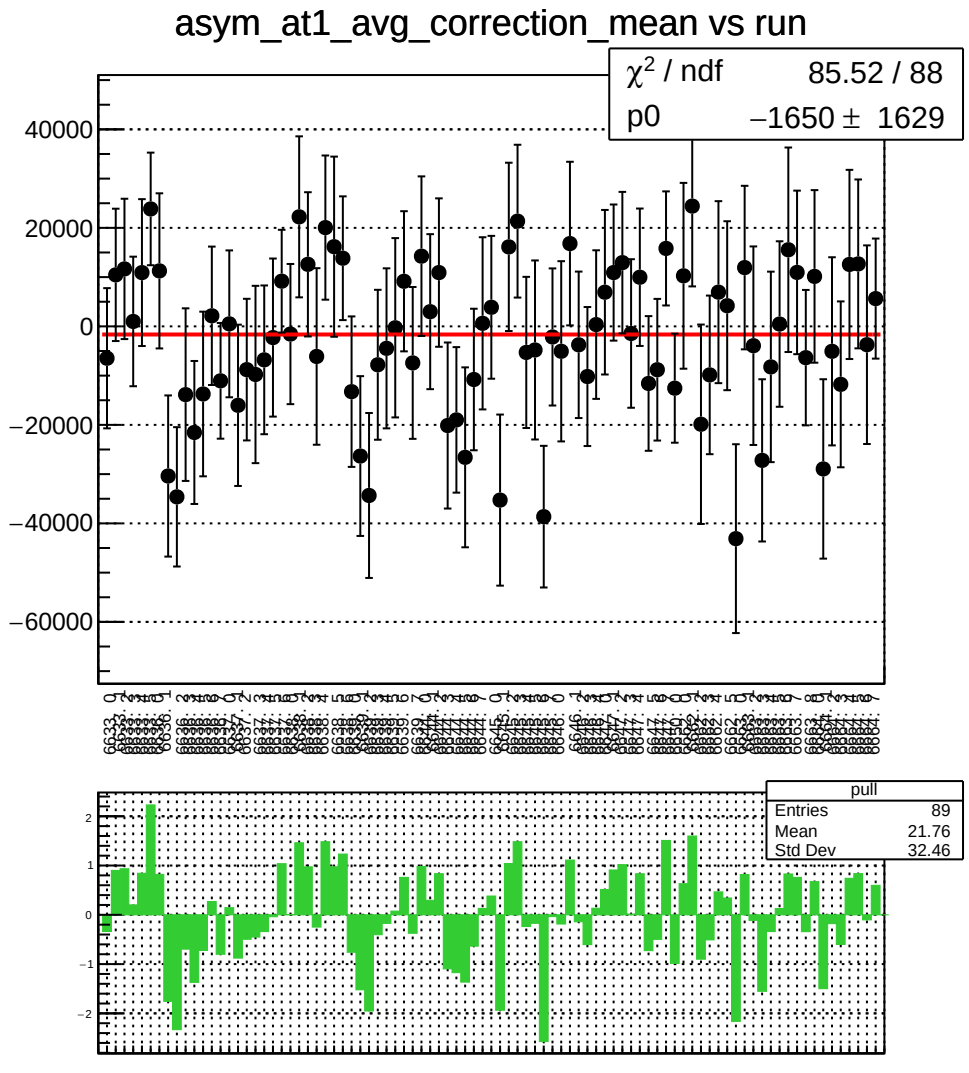

pull1D
Entries 89
Mean 0.0279
Std Dev 0.9535
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

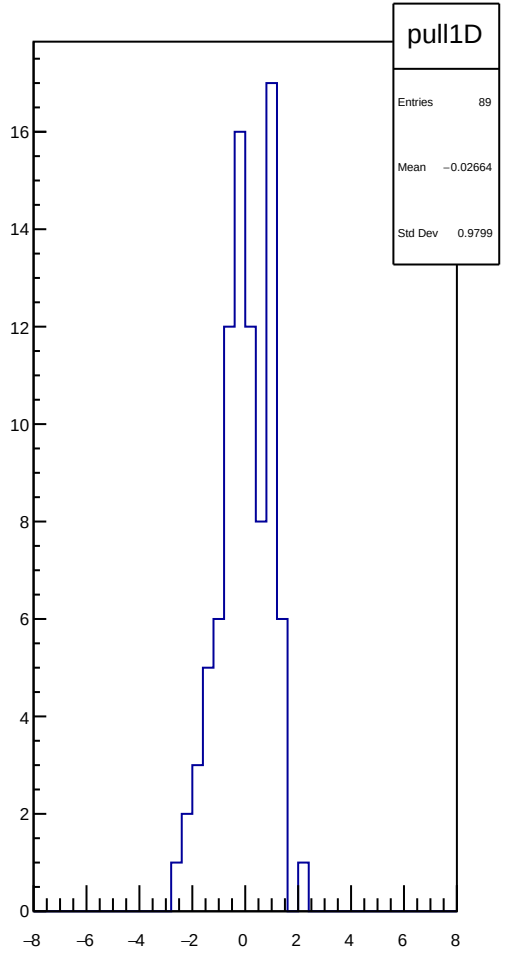

asym_usr_rms vs run
χ^2 / ndf 9648 / 88
p0 1994 ± 1.526
2400
2300
2200
2100
2000
1900
1800
1700

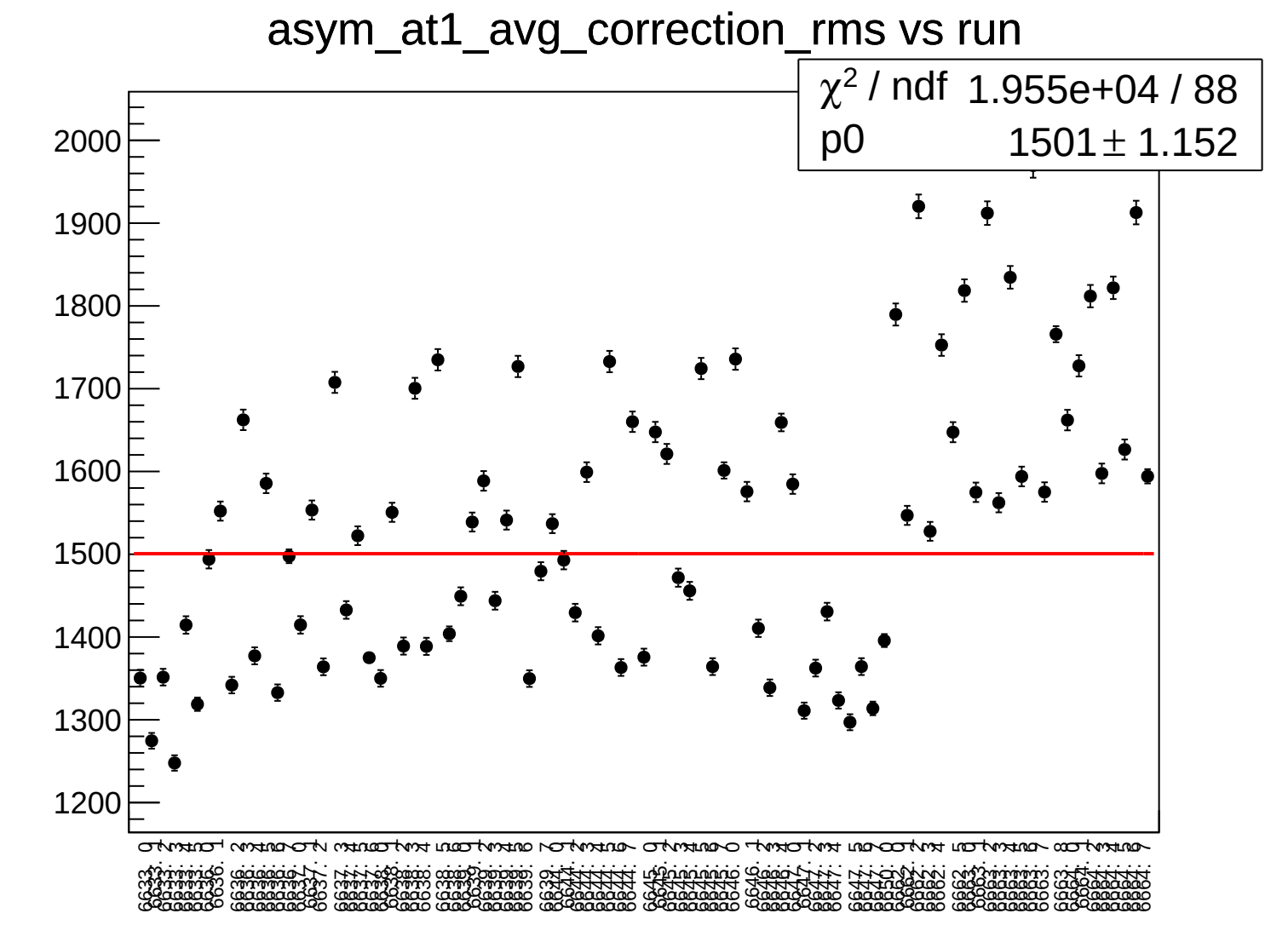

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 102.4 / 88
p0 −4879 ± 2074
pull
Entries 89
Mean −777.3
Std Dev 828.2

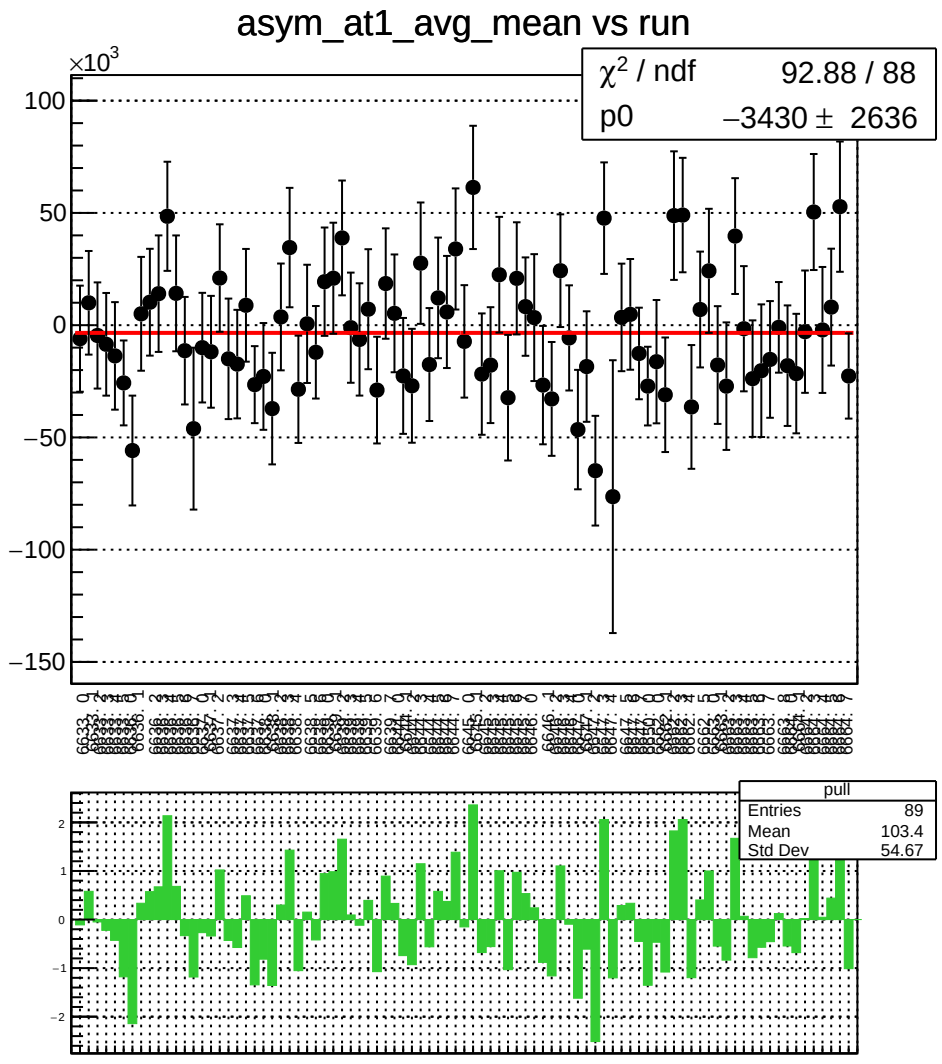

pull1D
Entries 89
Mean −0.002119
Std Dev 1.072

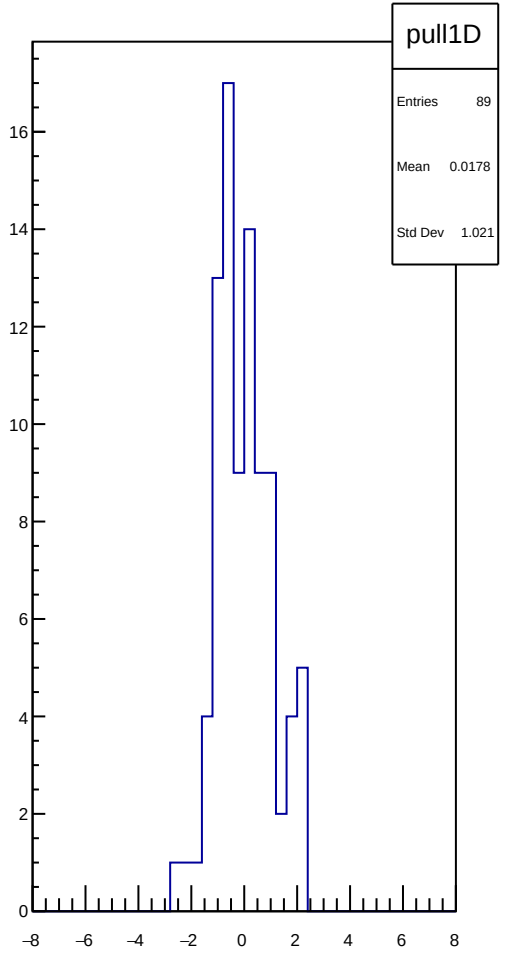

dit_asym_at1_avg_rms vs run
χ² / ndf 1.839e+04 / 88
p0 1912 ± 1.467
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

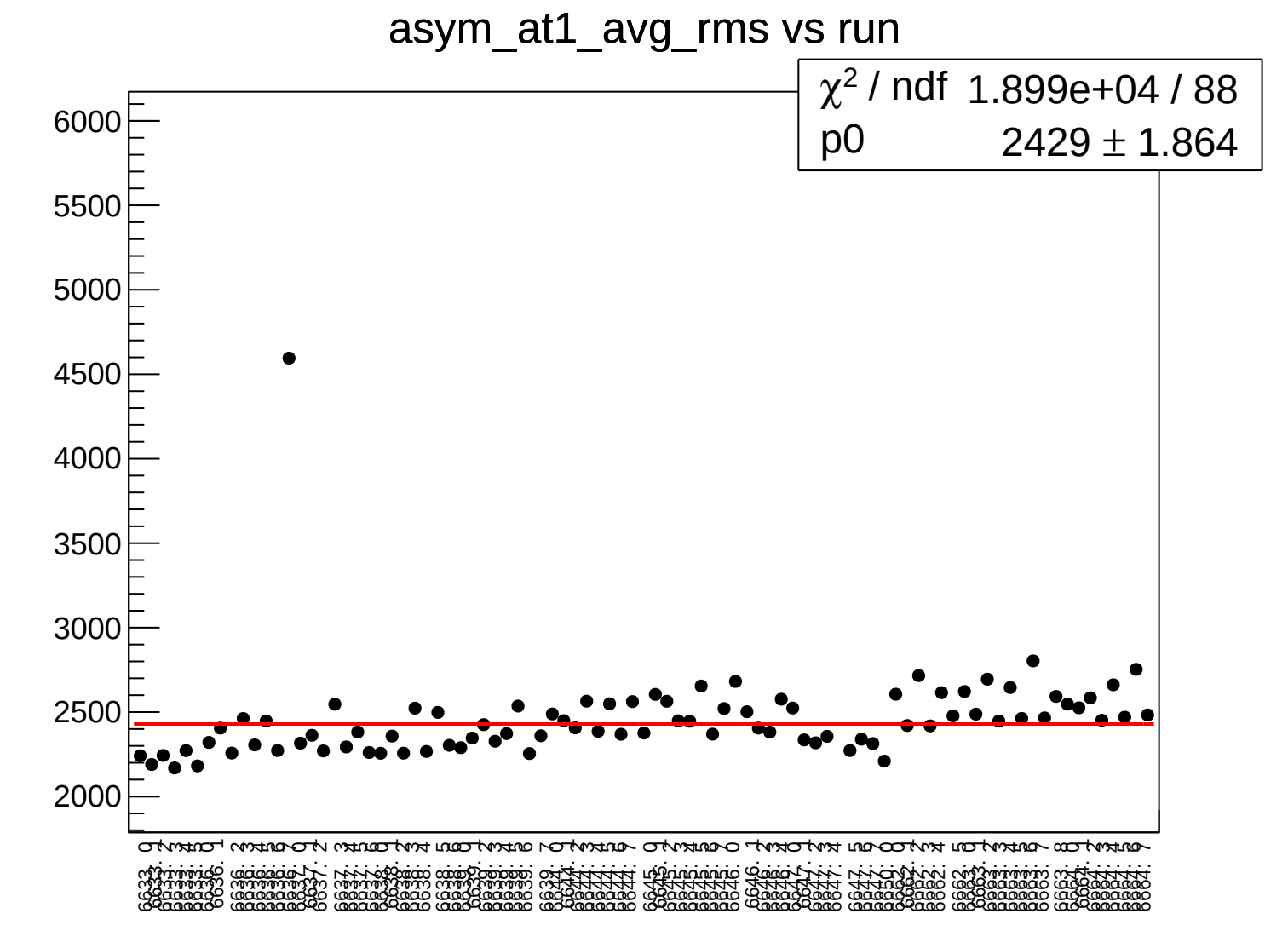

asym_at1_avg_correction_mean vs run
χ² / ndf 85.52 / 88
p0 −1650 ± 1629
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 21.76
Std Dev 32.46
2
1
0
−1
−2

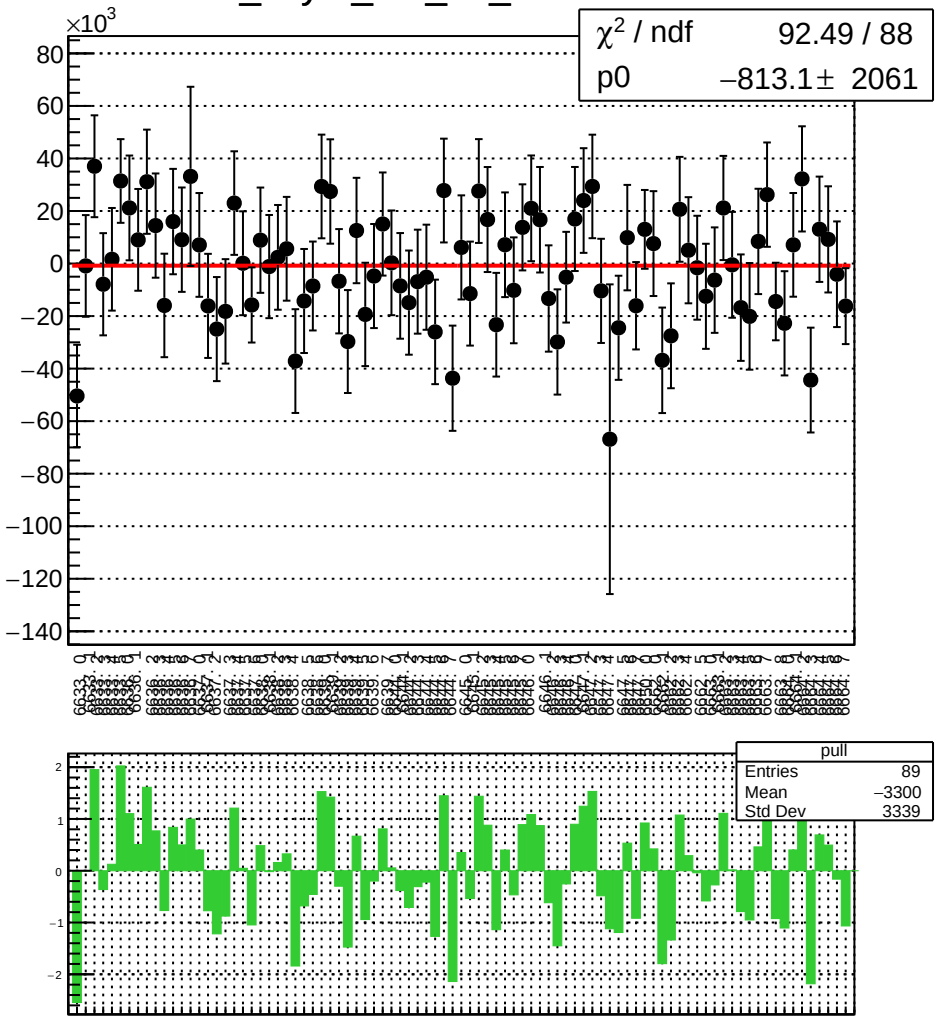

pull1D
Entries 89
Mean −0.02664
Std Dev 0.9799
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

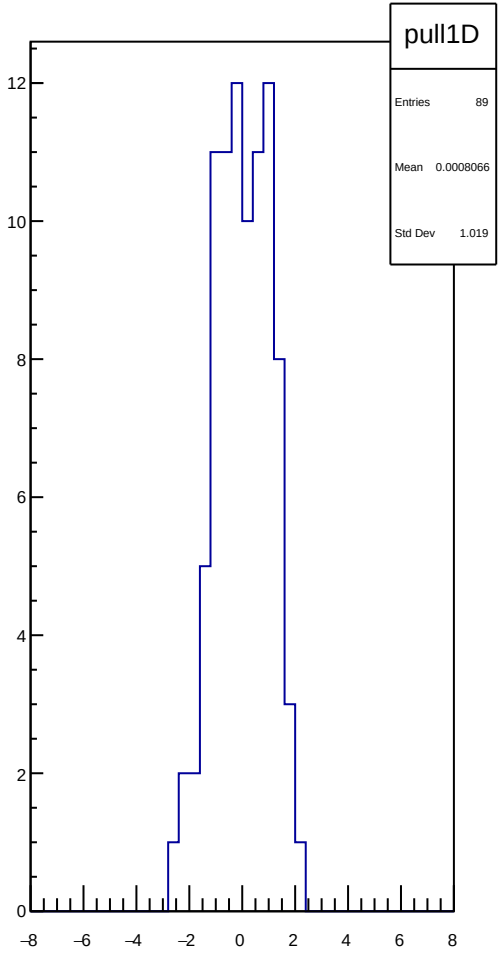

asym_at1_avg_correction_rms vs run
χ² / ndf 1.955e+04 / 88
p0 1501 ± 1.152
2000
1900
1800
1700
1600
1500
1400
1300
1200

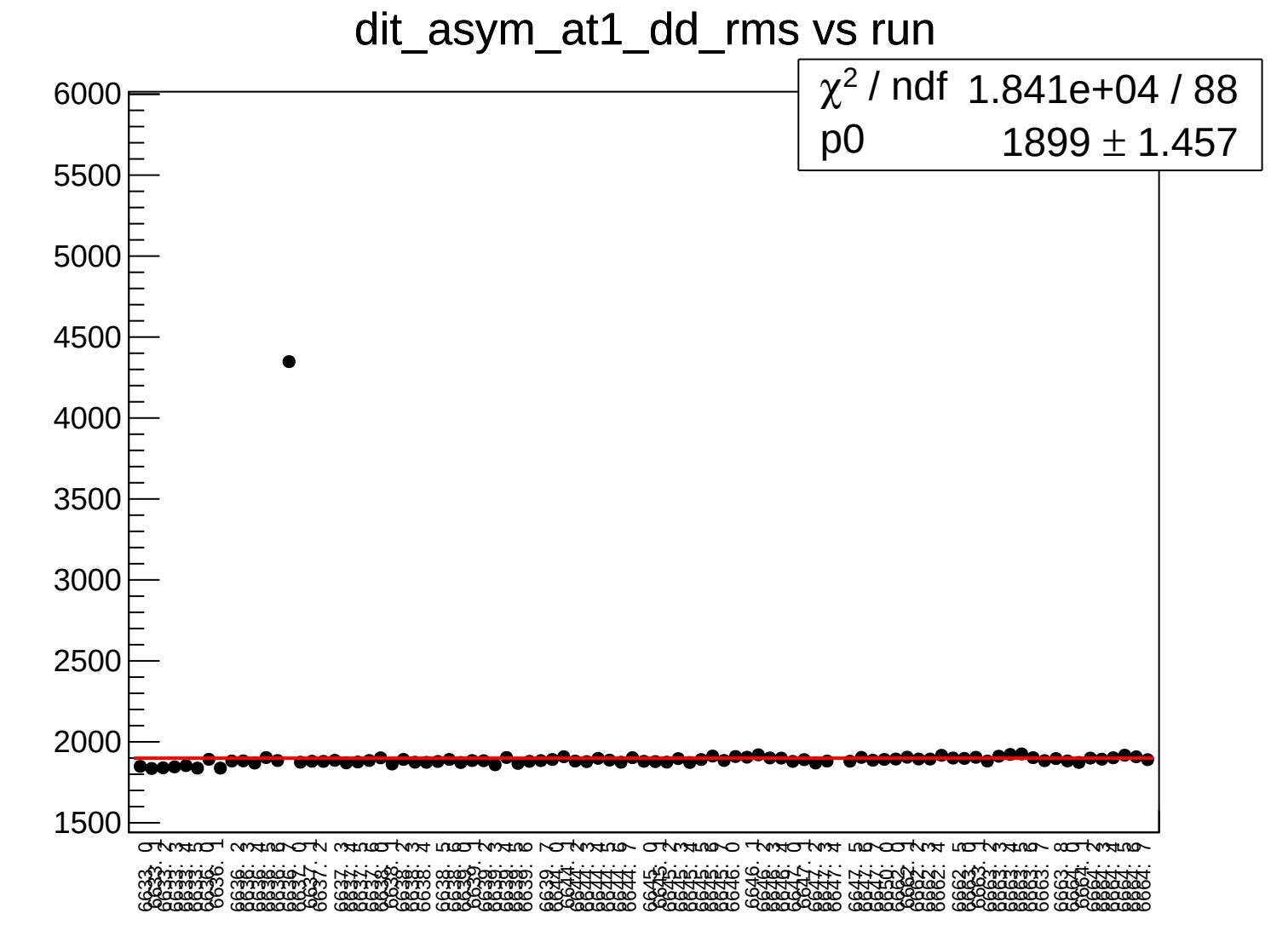

asym_at1_avg_mean vs run
×10^3
χ² / ndf 92.88 / 88
p0 −3430 ± 2636
100
50
0
−50
−100
−150
pull
Entries 89
Mean 103.4
Std Dev 54.67
2
1
0
−1
−2

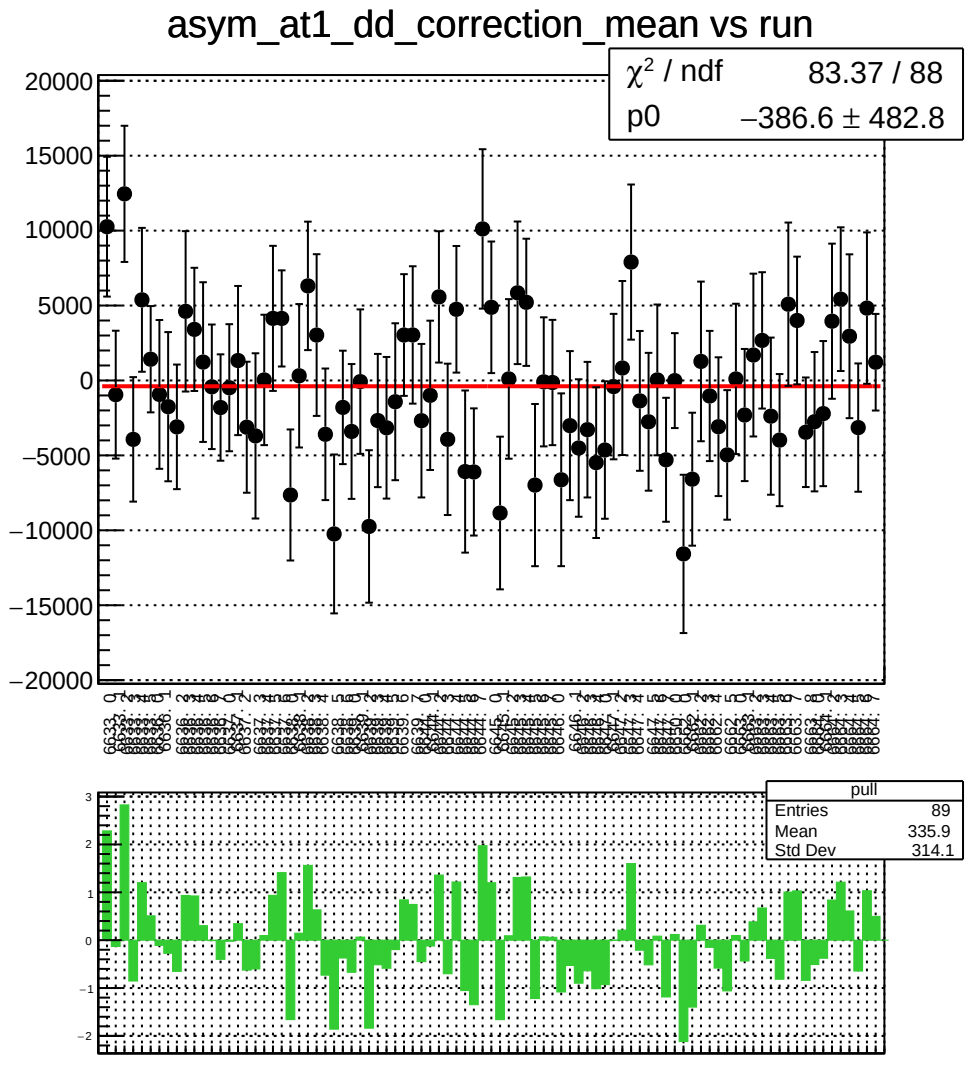

pull1D
Entries 89
Mean 0.0178
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

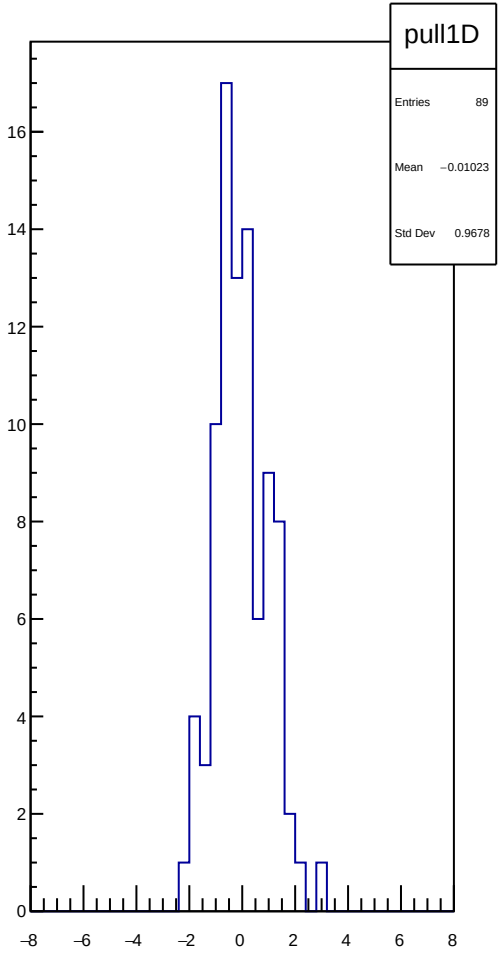

asym_at1_avg_rms vs run
χ^2 / ndf 1.899e+04 / 88
p0 2429 ± 1.864
6000
5500
5000
4500
4000
3500
3000
2500
2000

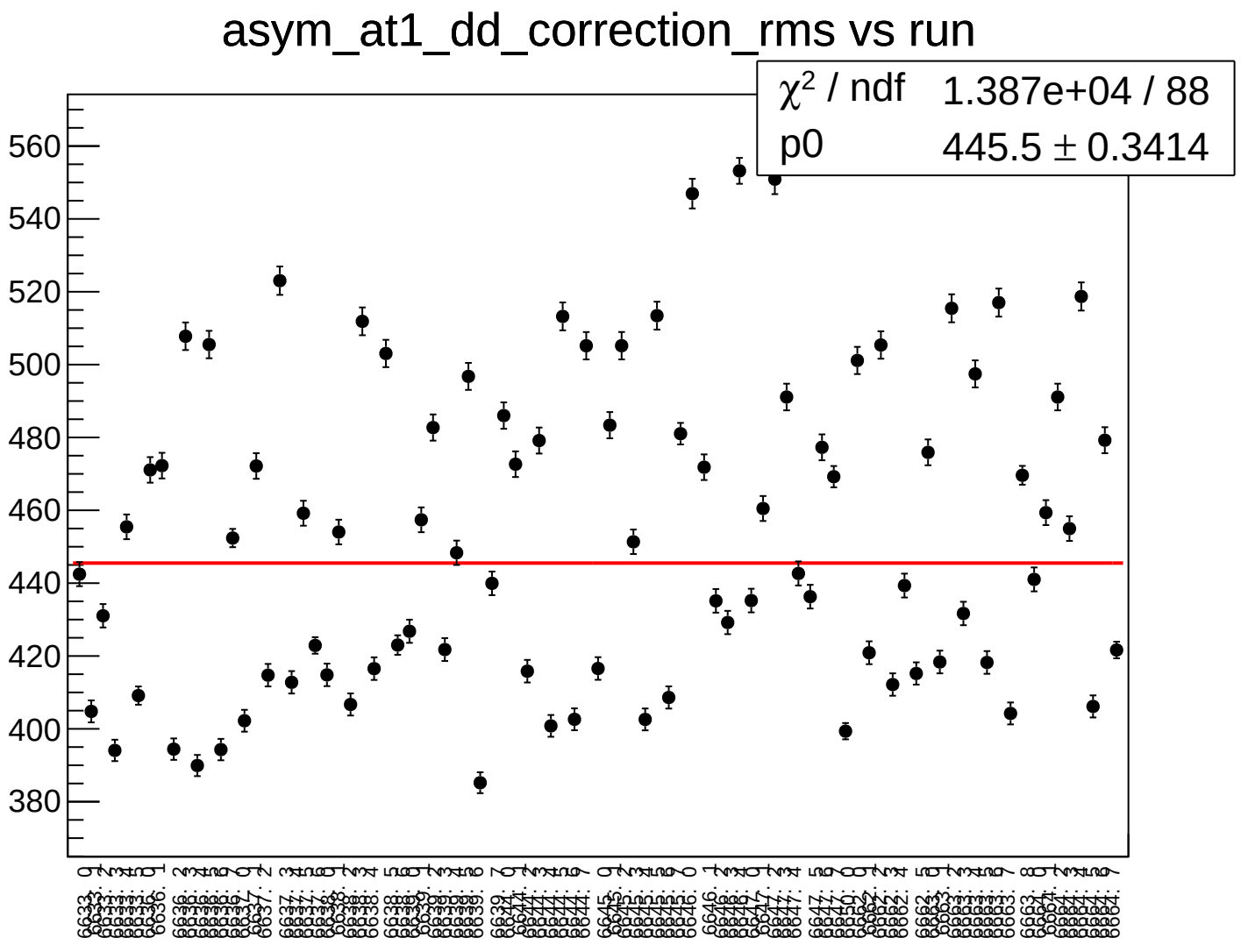

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 92.49 / 88
p0 −813.1± 2061
pull
Entries 89
Mean −3300
Std Dev 3339

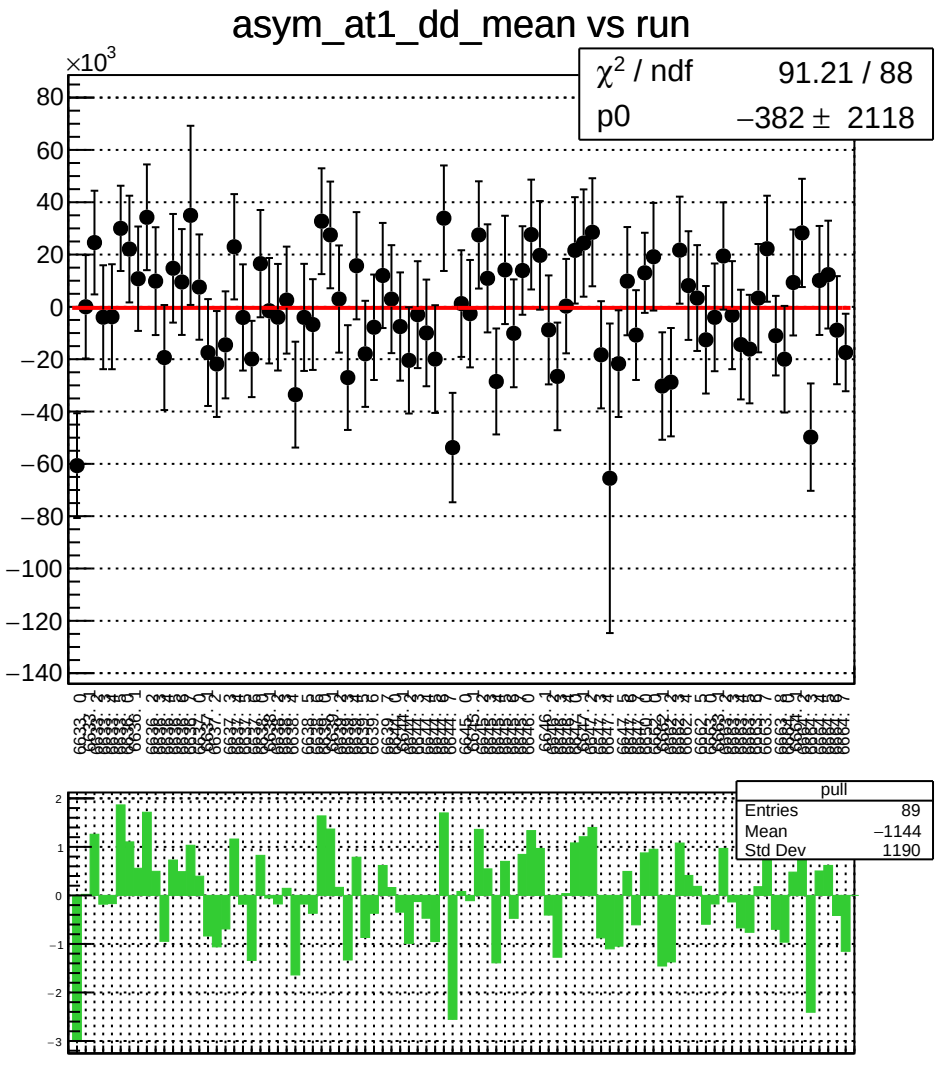

pull1D
Entries 89
Mean 0.0008066
Std Dev 1.019

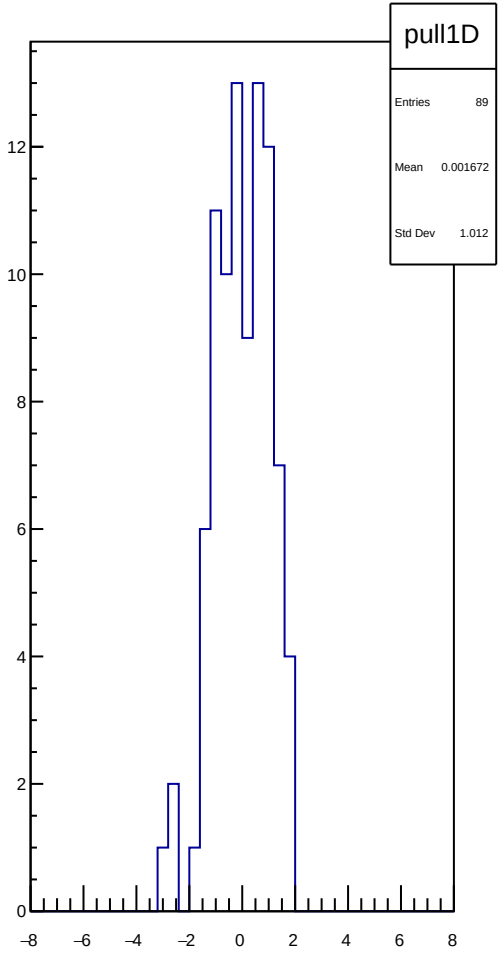

dit_asym_at1_dd_rms vs run
χ² / ndf 1.841e+04 / 88
p0 1899 ± 1.457
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

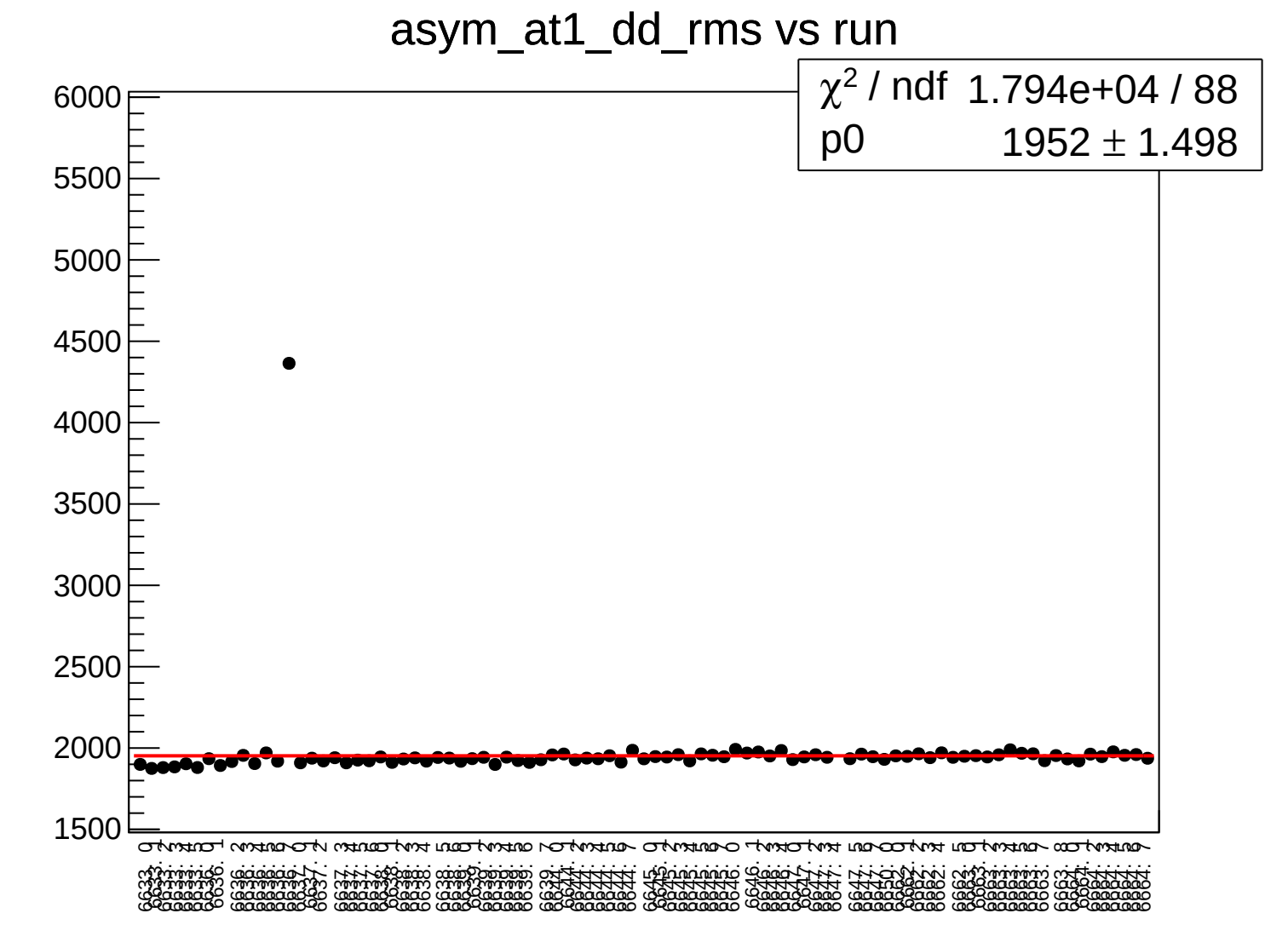

asym_at1_dd_correction_mean vs run
χ² / ndf 83.37 / 88
p0 −386.6 ± 482.8
pull
Entries 89
Mean 335.9
Std Dev 314.1

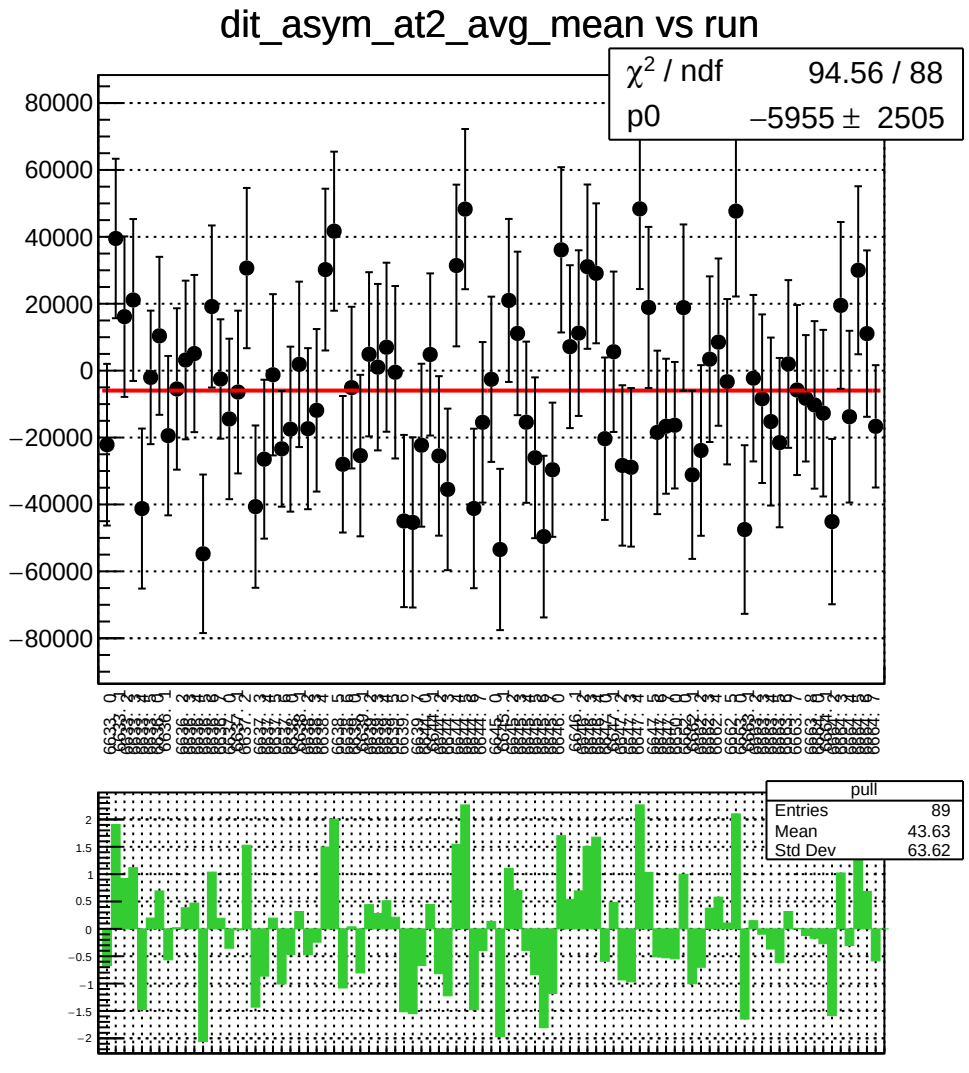

pull1D
Entries 89
Mean −0.01023
Std Dev 0.9678

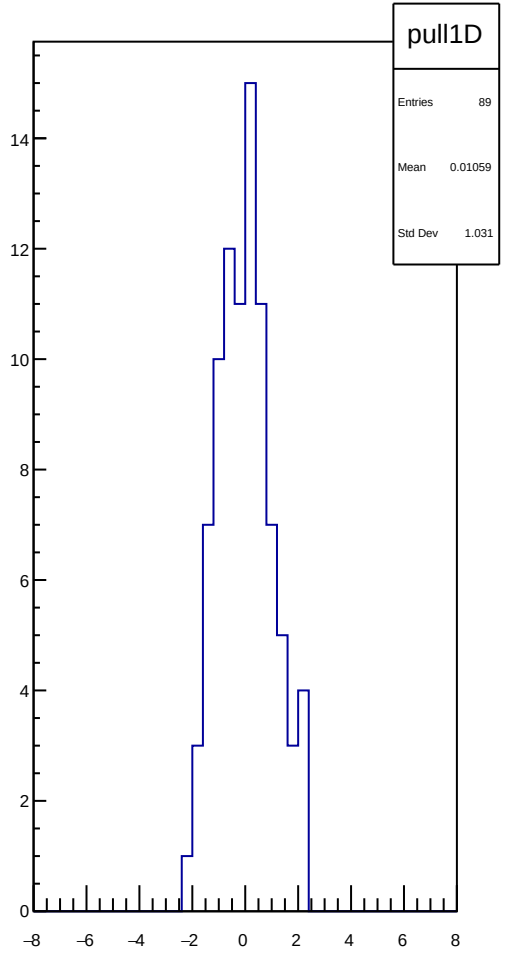

asym_at1_dd_correction_rms vs run
χ² / ndf 1.387e+04 / 88
p0 445.5 ± 0.3414
560
540
520
500
480
460
440
420
400
380

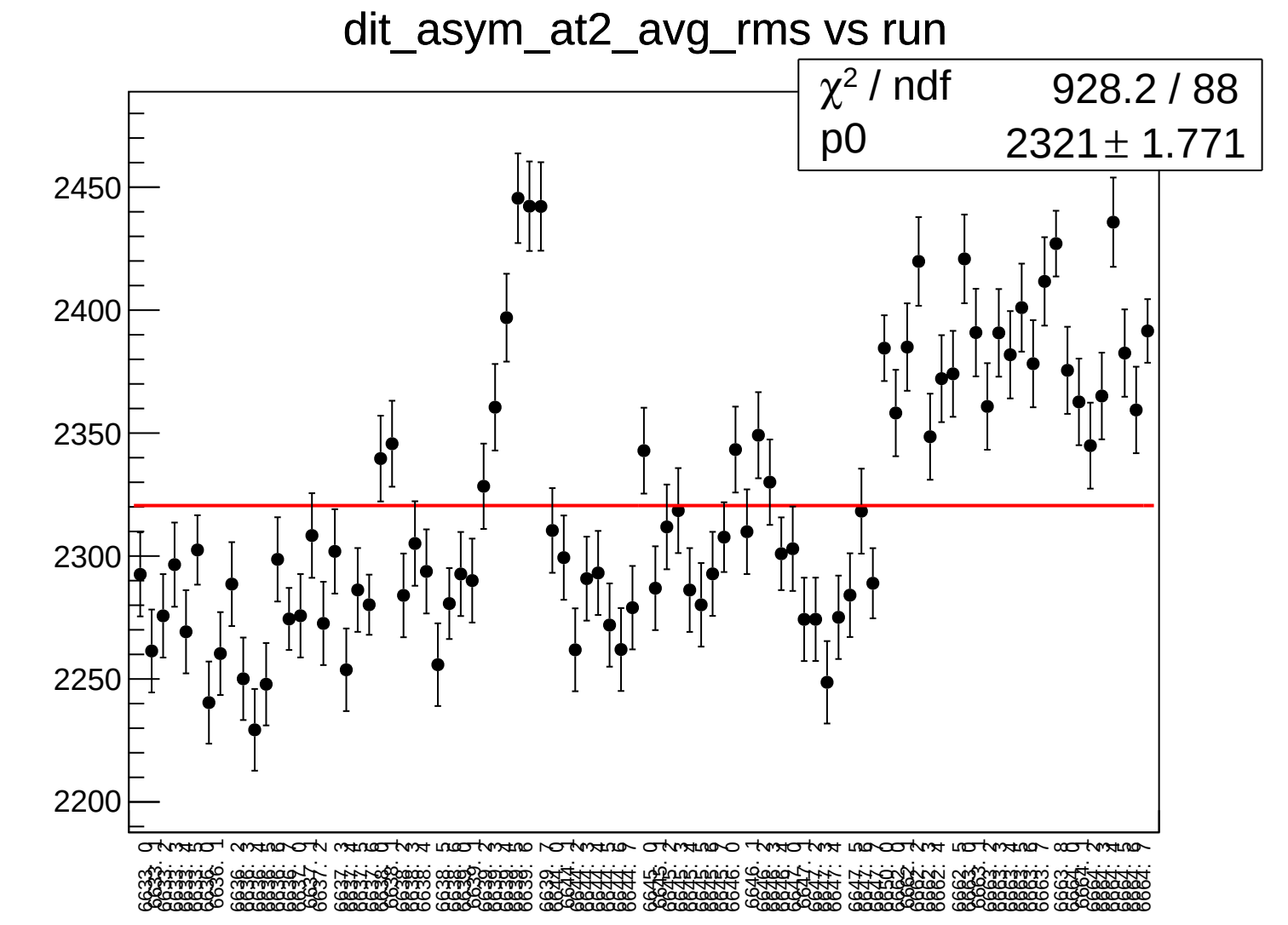

asym_at1_dd_mean vs run
×10^3
χ² / ndf 91.21 / 88
p0 −382 ± 2118
pull
Entries 89
Mean −1144
Std Dev 1190

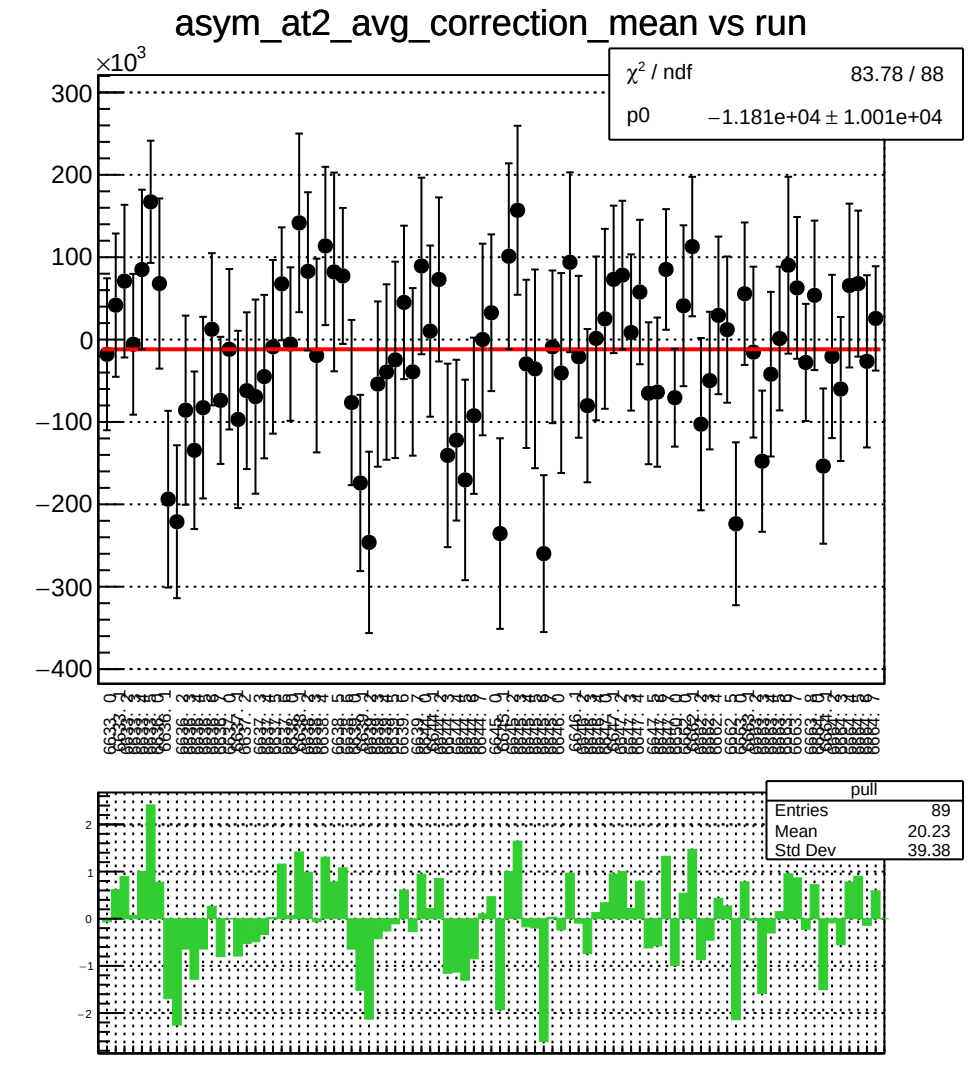

pull1D
Entries 89
Mean 0.001672
Std Dev 1.012

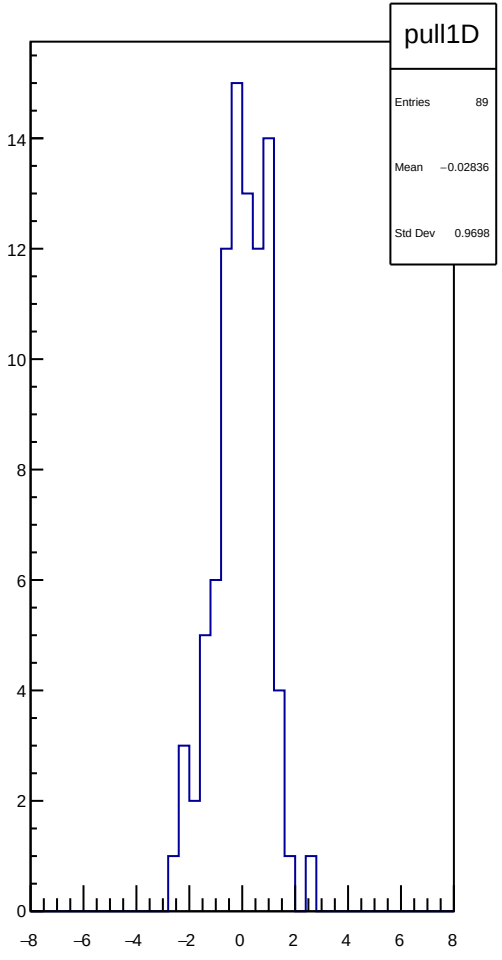

asym_at1_dd_rms vs run
χ^2 / ndf 1.794e+04 / 88
p0 1952 ± 1.498
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

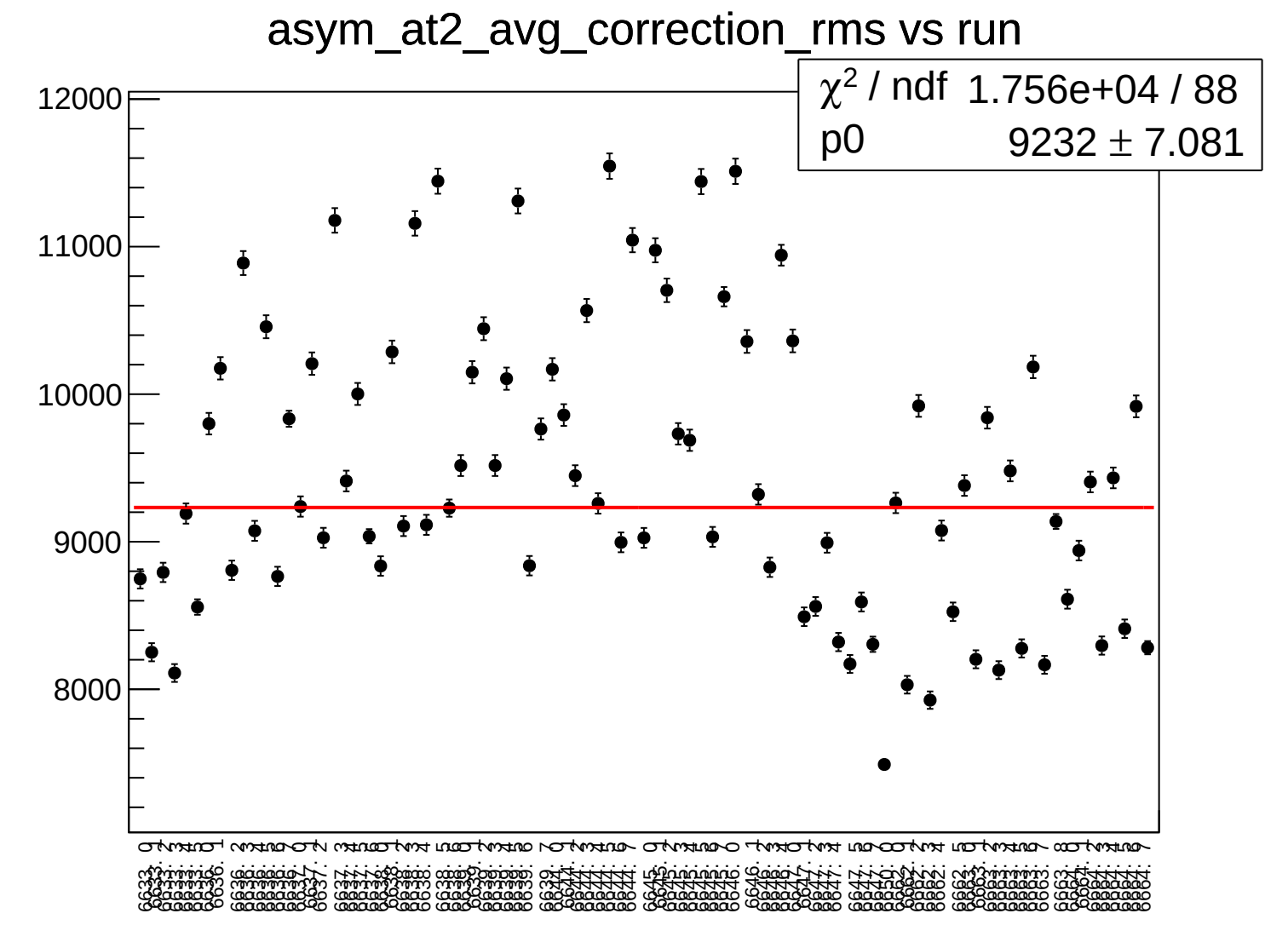

dit_asym_at2_avg_mean vs run
χ² / ndf 94.56 / 88
p0 −5955 ± 2505
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 43.63
Std Dev 63.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

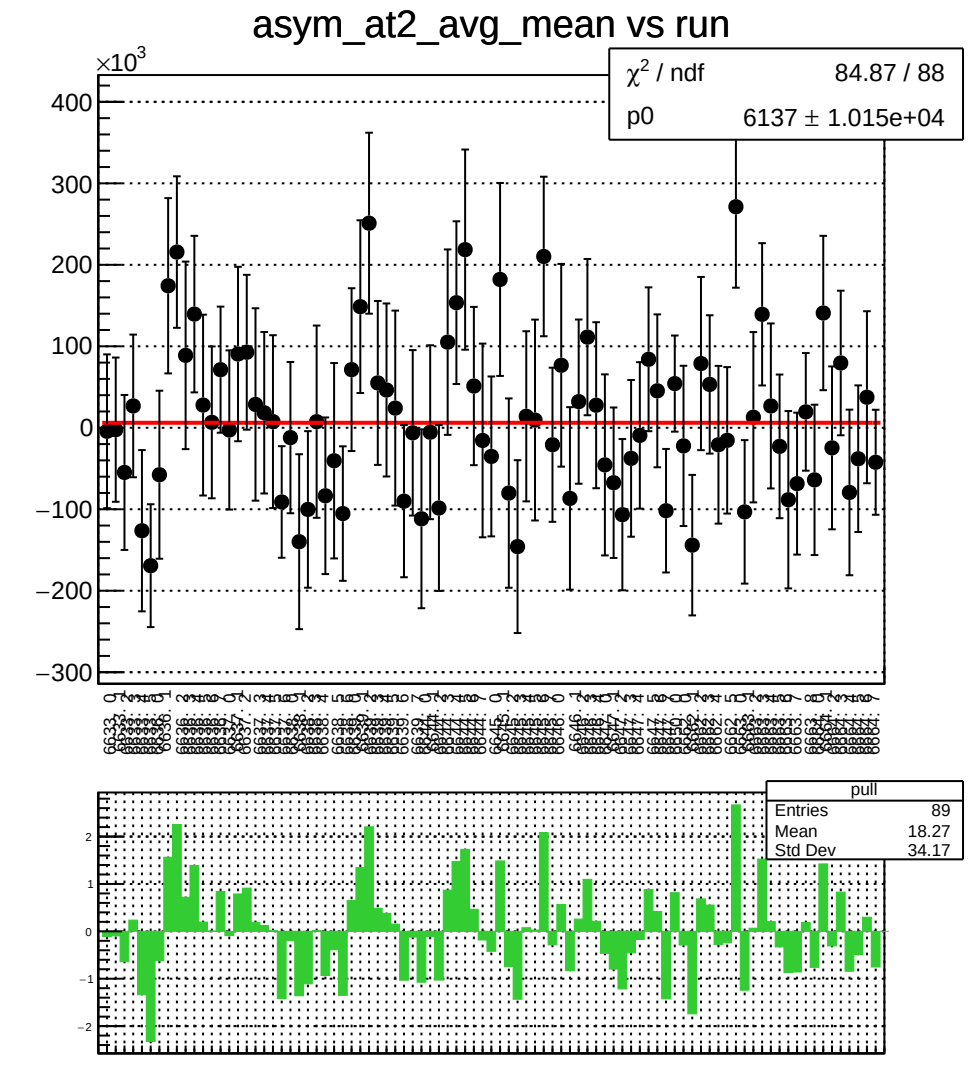

pull1D
Entries 89
Mean 0.01059
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

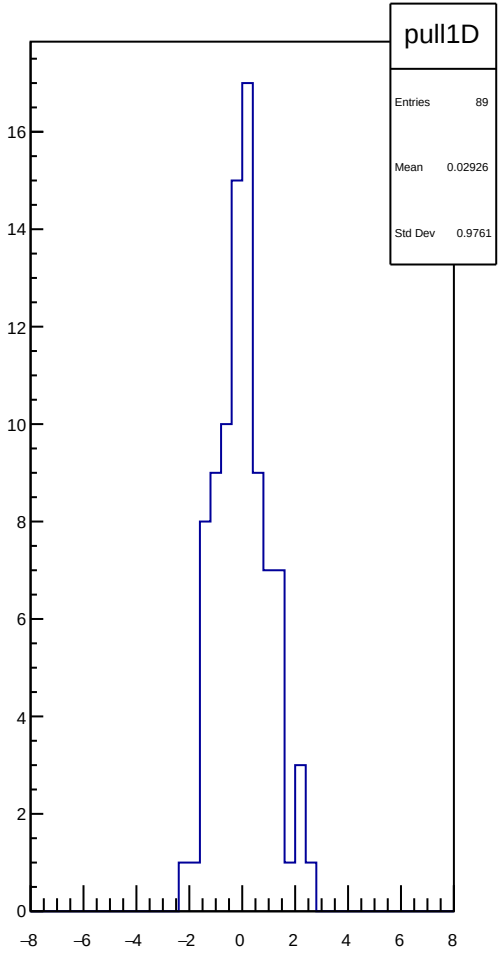

dit_asym_at2_avg_rms vs run
χ^2 / ndf 928.2 / 88
p0 2321 ± 1.771
2450
2400
2350
2300
2250
2200

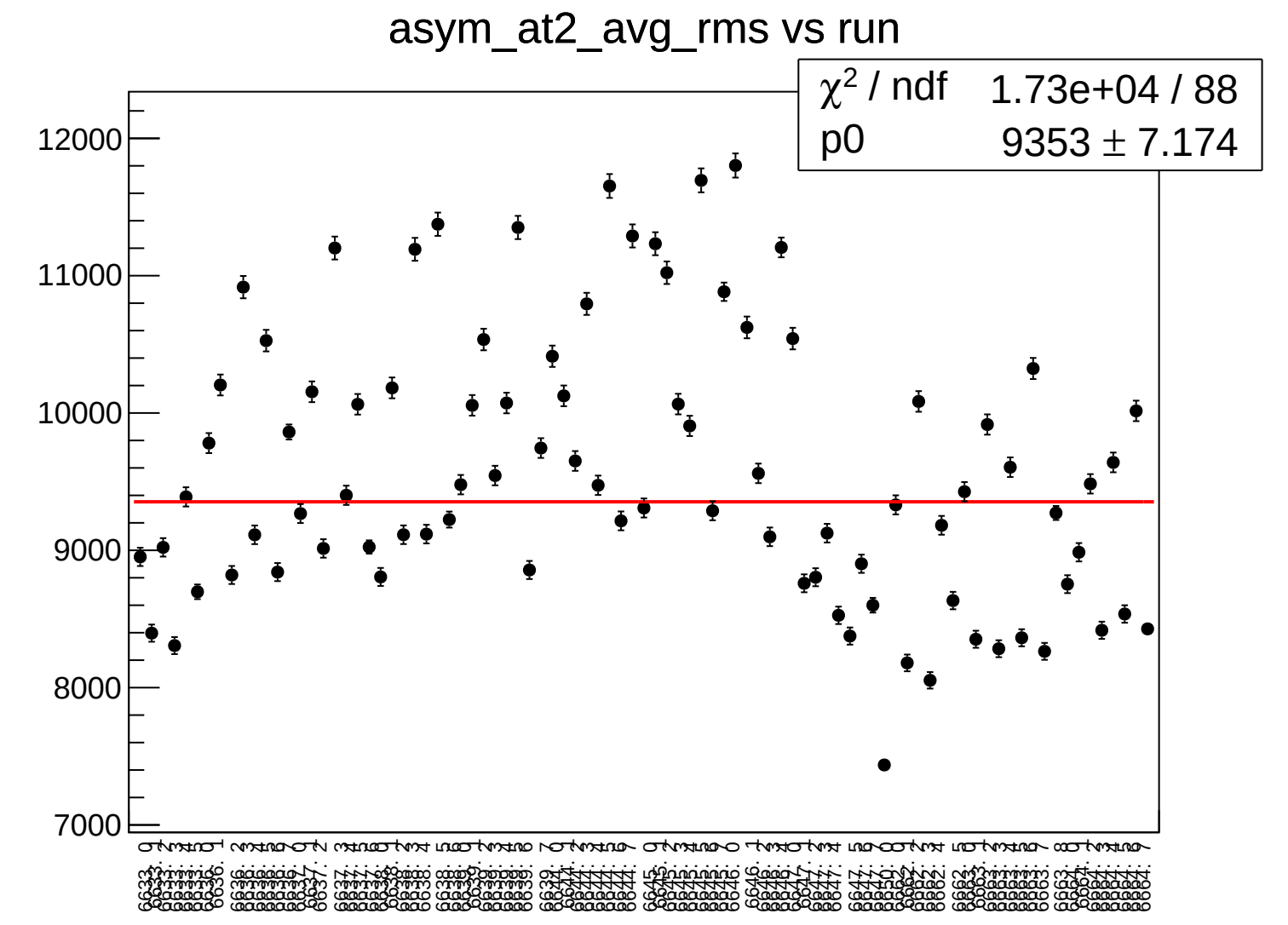

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 83.78 / 88
p0 −1.181e+04 ± 1.001e+04
pull
Entries 89
Mean 20.23
Std Dev 39.38

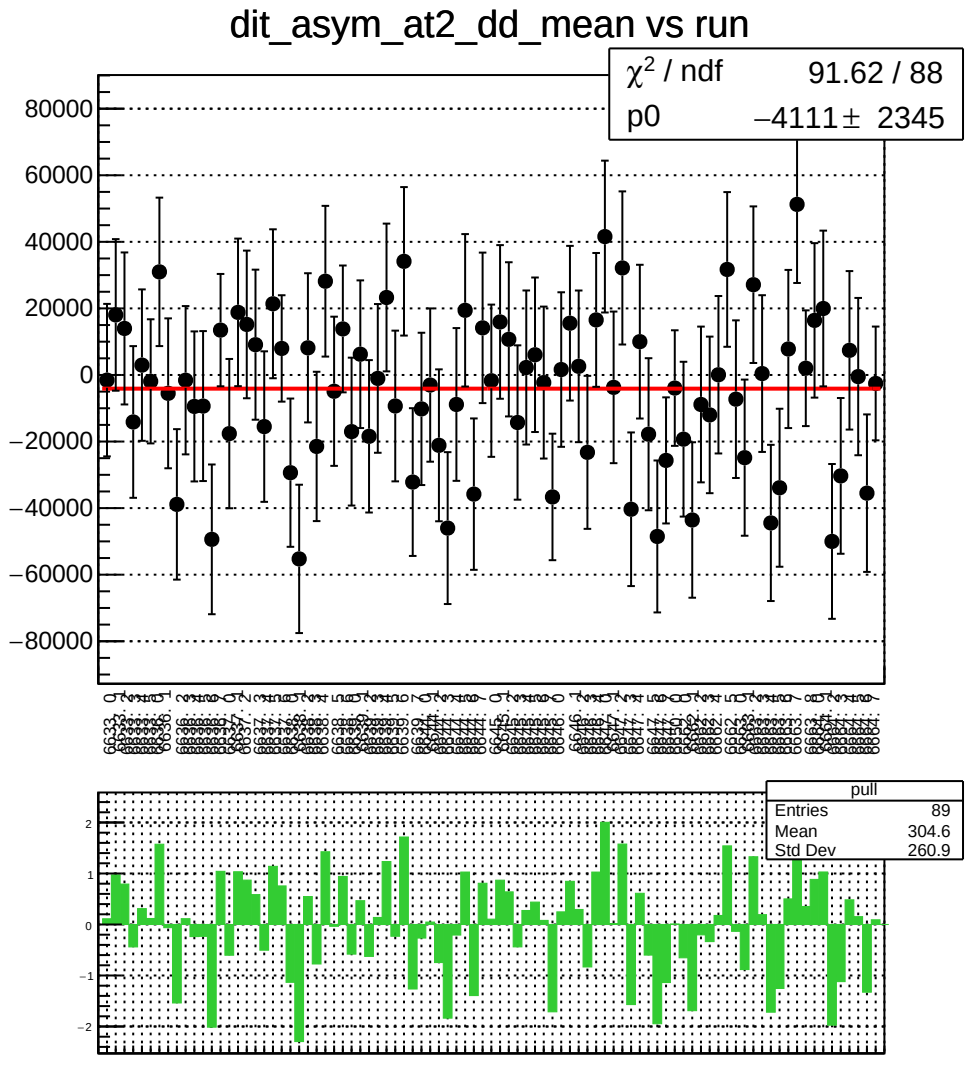

pull1D
Entries 89
Mean −0.02836
Std Dev 0.9698

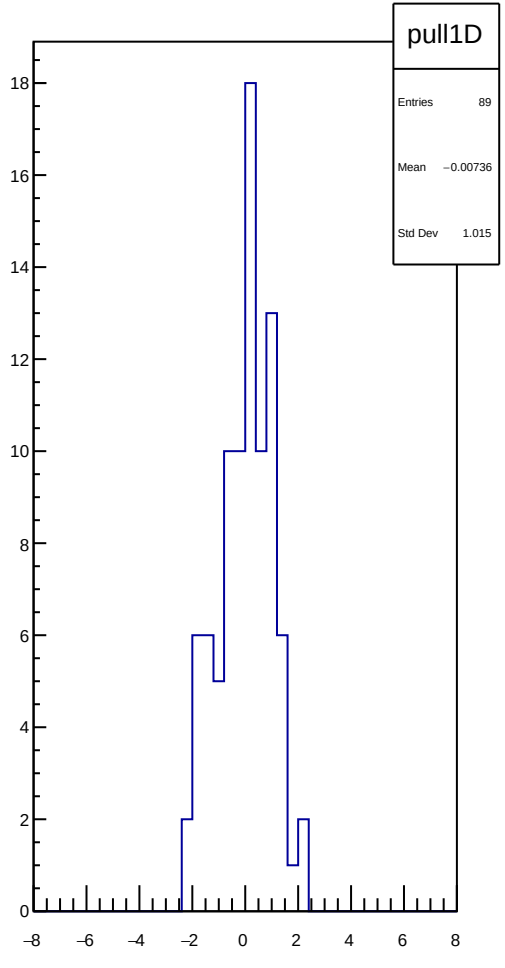

asym_at2_avg_correction_rms vs run
χ² / ndf 1.756e+04 / 88
p0 9232 ± 7.081
12000
11000
10000
9000
8000

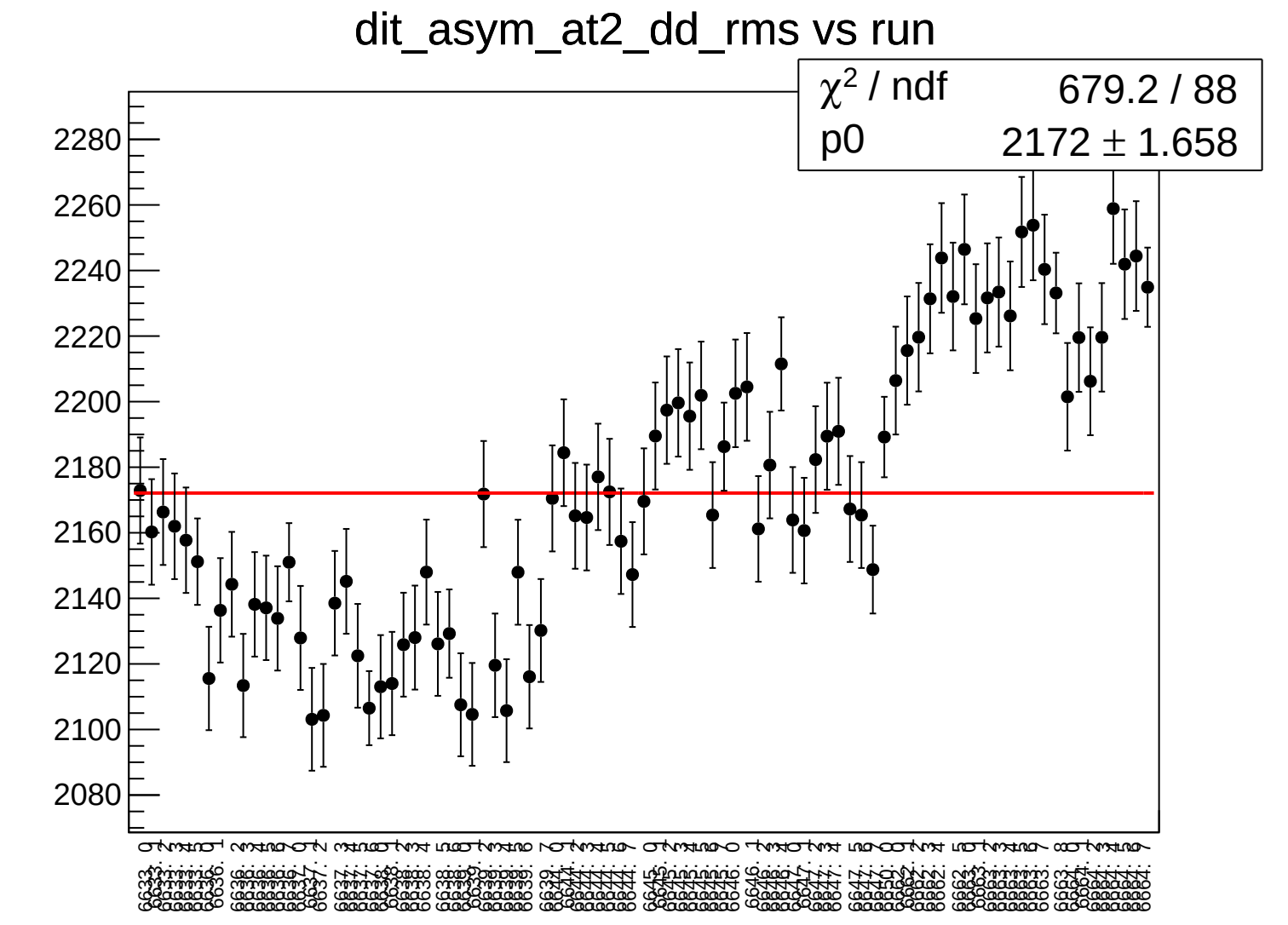

asym_at2_avg_mean vs run
×10^3
χ² / ndf 84.87 / 88
p0 6137 ± 1.015e+04
pull
Entries 89
Mean 18.27
Std Dev 34.17

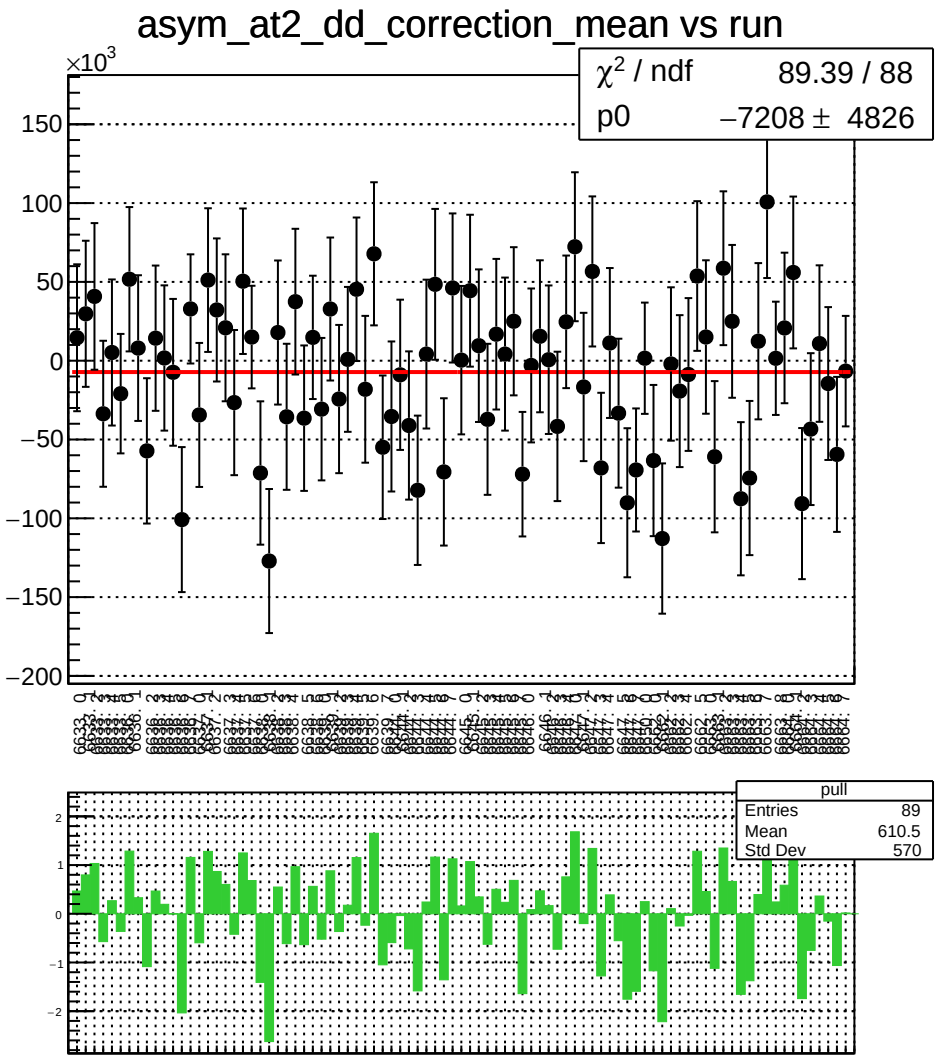

pull1D
Entries 89
Mean 0.02926
Std Dev 0.9761

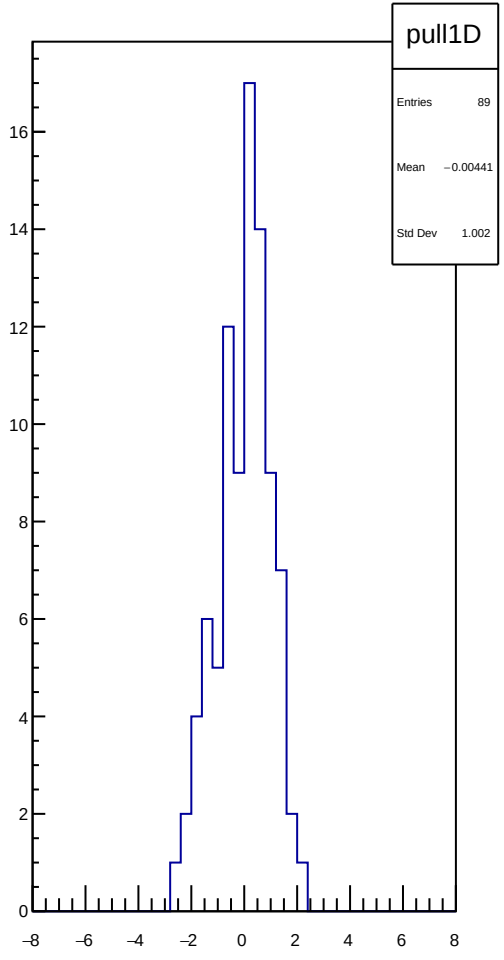

asym_at2_avg_rms vs run
χ^2 / ndf 1.73e+04 / 88
p0 9353 ± 7.174
12000
11000
10000
9000
8000
7000

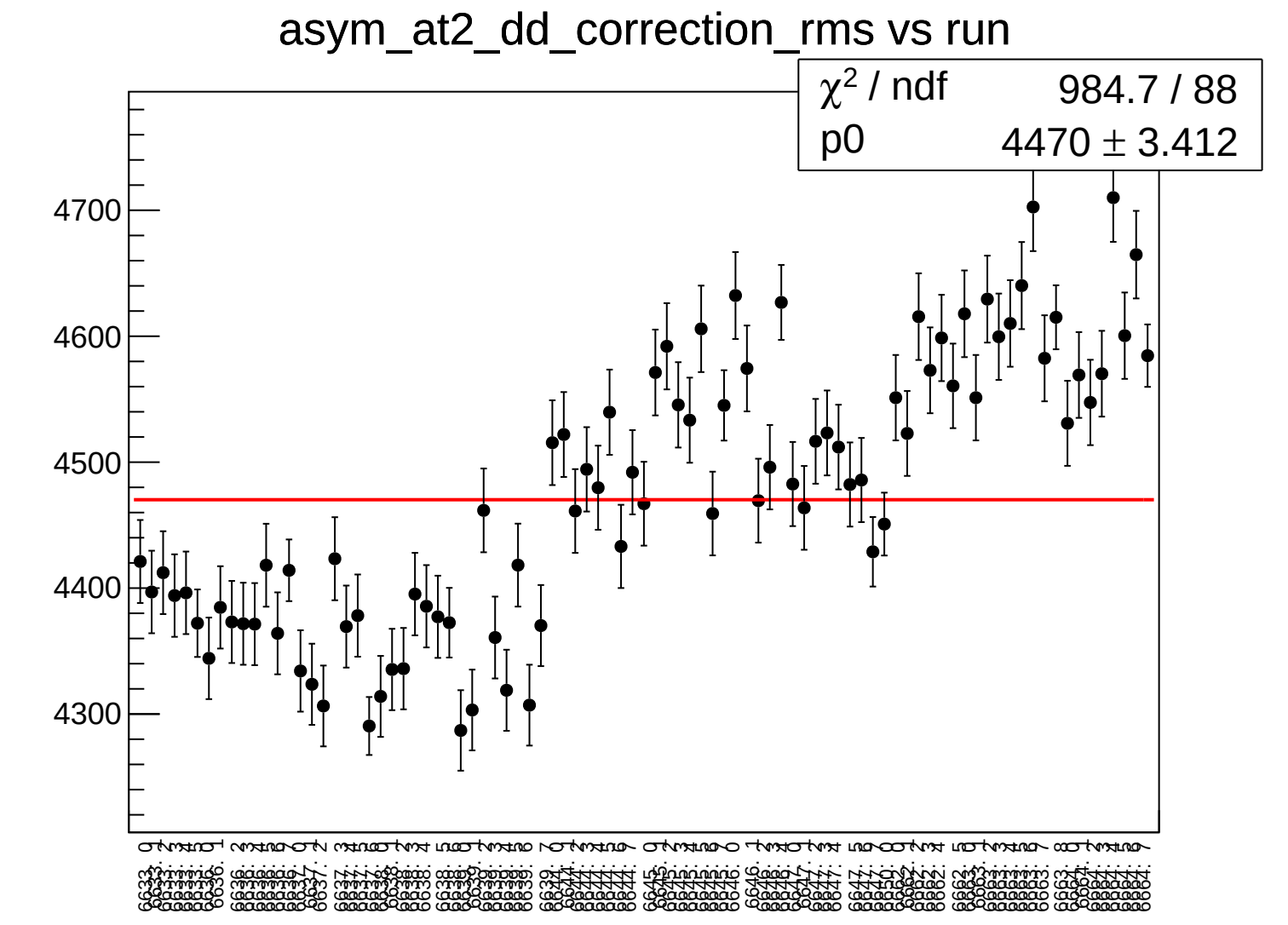

dit_asym_at2_dd_mean vs run
χ² / ndf 91.62 / 88
p0 −4111 ± 2345
pull
Entries 89
Mean 304.6
Std Dev 260.9

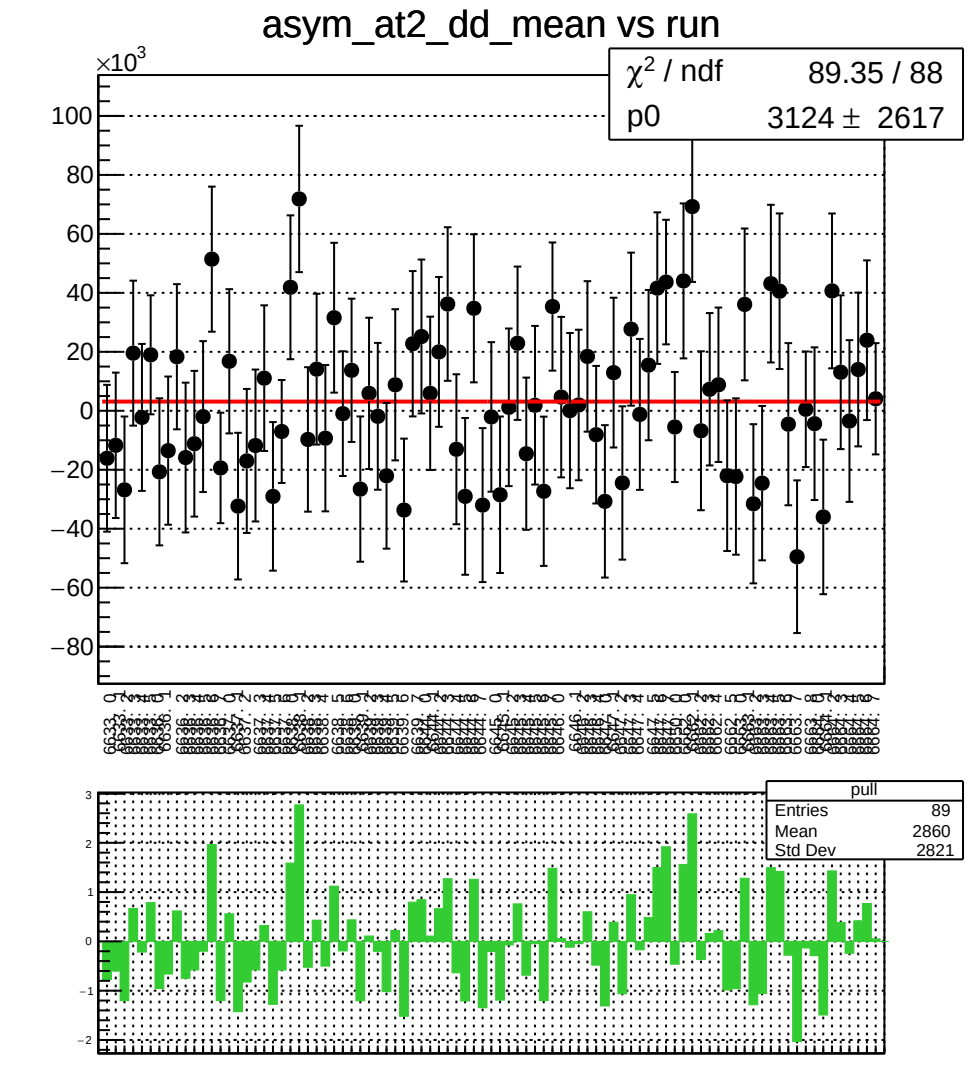

pull1D
Entries 89
Mean −0.00736
Std Dev 1.015

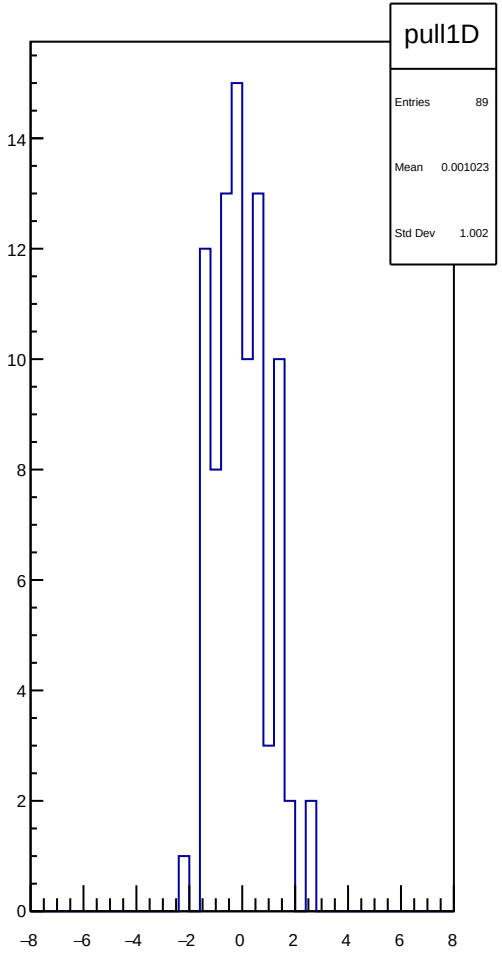

dit_asym_at2_dd_rms vs run
χ² / ndf 679.2 / 88
p0 2172 ± 1.658
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100
2080

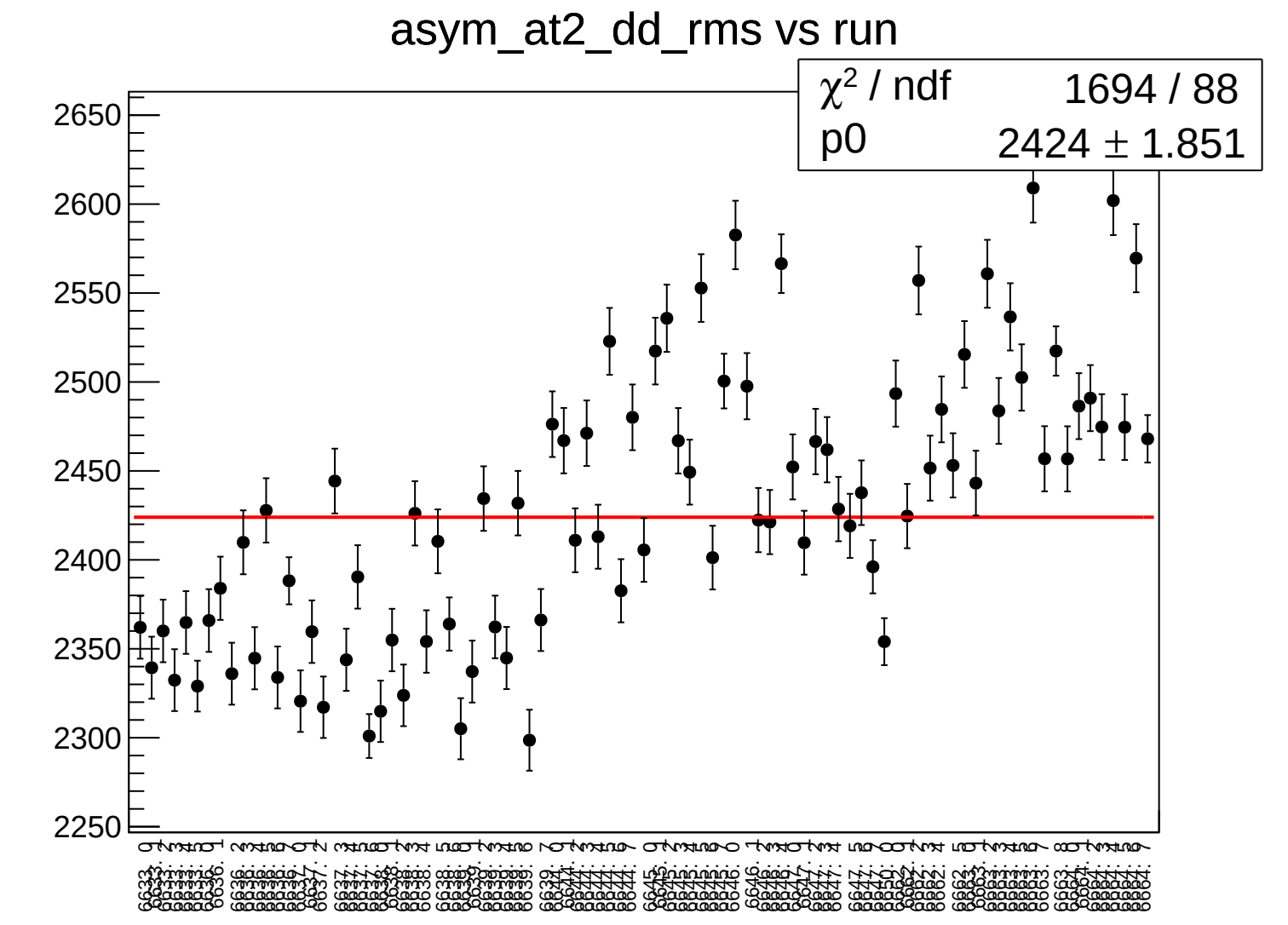

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 89.39 / 88
p0 −7208 ± 4826
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 610.5
Std Dev 570
2
1
0
−1
−2

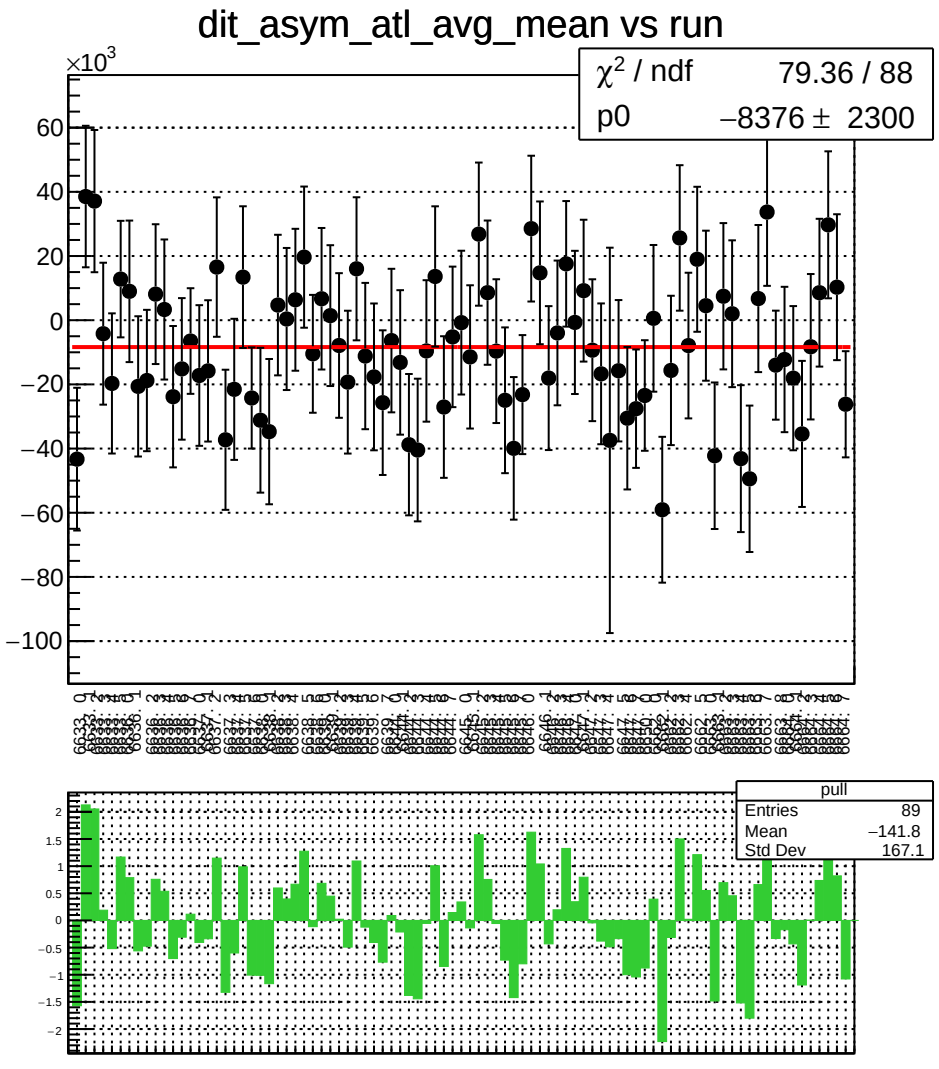

pull1D
Entries 89
Mean −0.00441
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

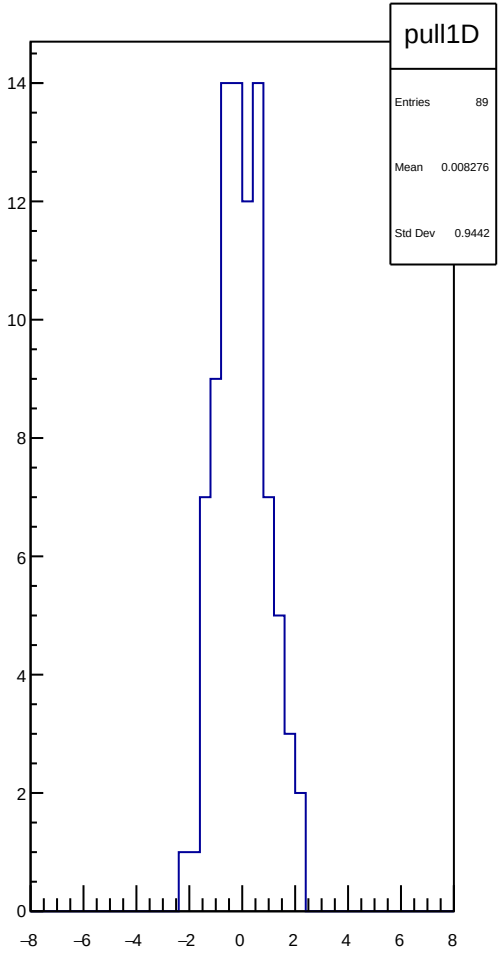

asym_at2_dd_correction_rms vs run
χ² / ndf 984.7 / 88
p0 4470 ± 3.412
4700
4600
4500
4400
4300

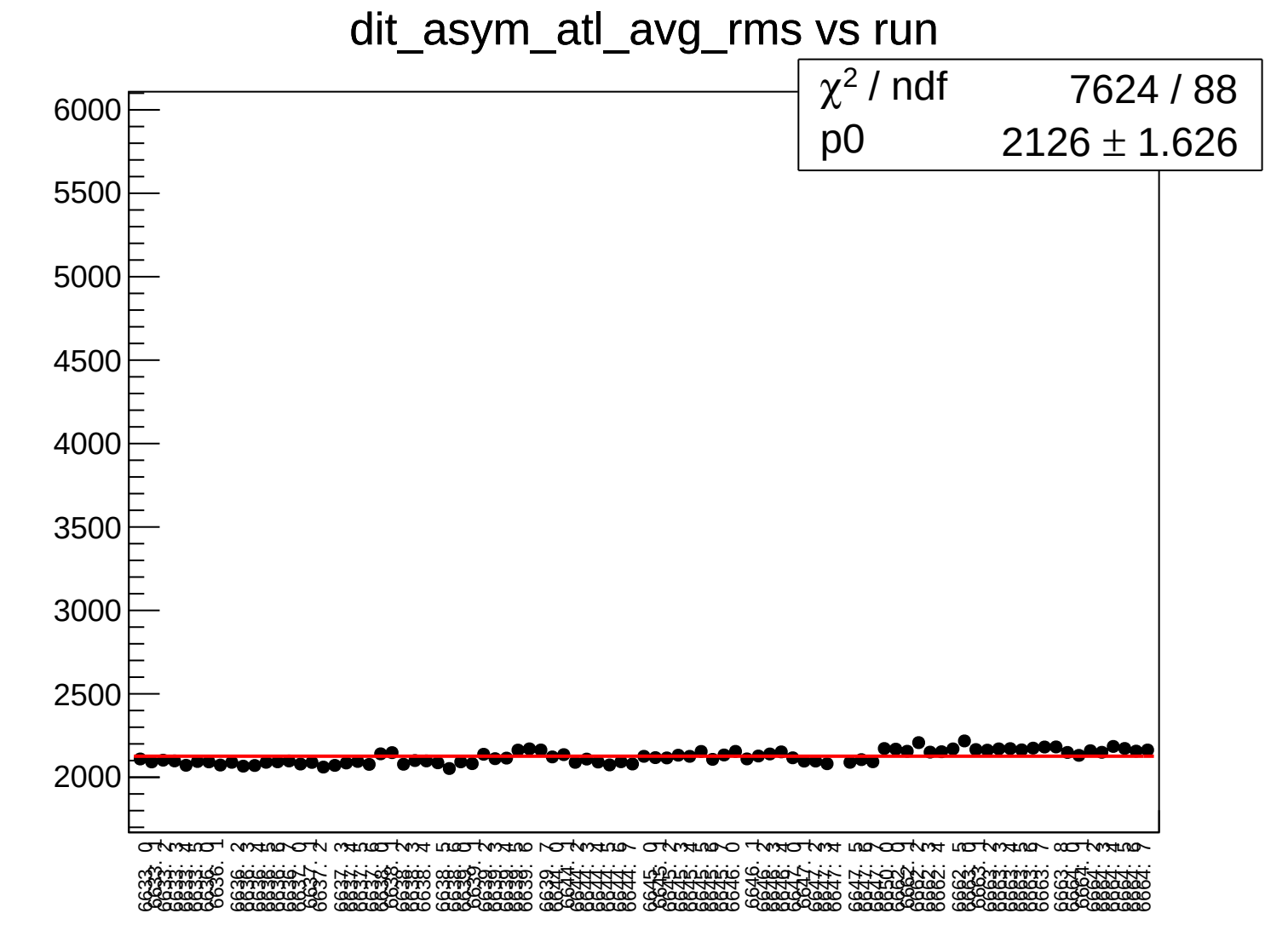

asym_at2_dd_mean vs run
×10^3
χ² / ndf 89.35 / 88
p0 3124 ± 2617
pull
Entries 89
Mean 2860
Std Dev 2821

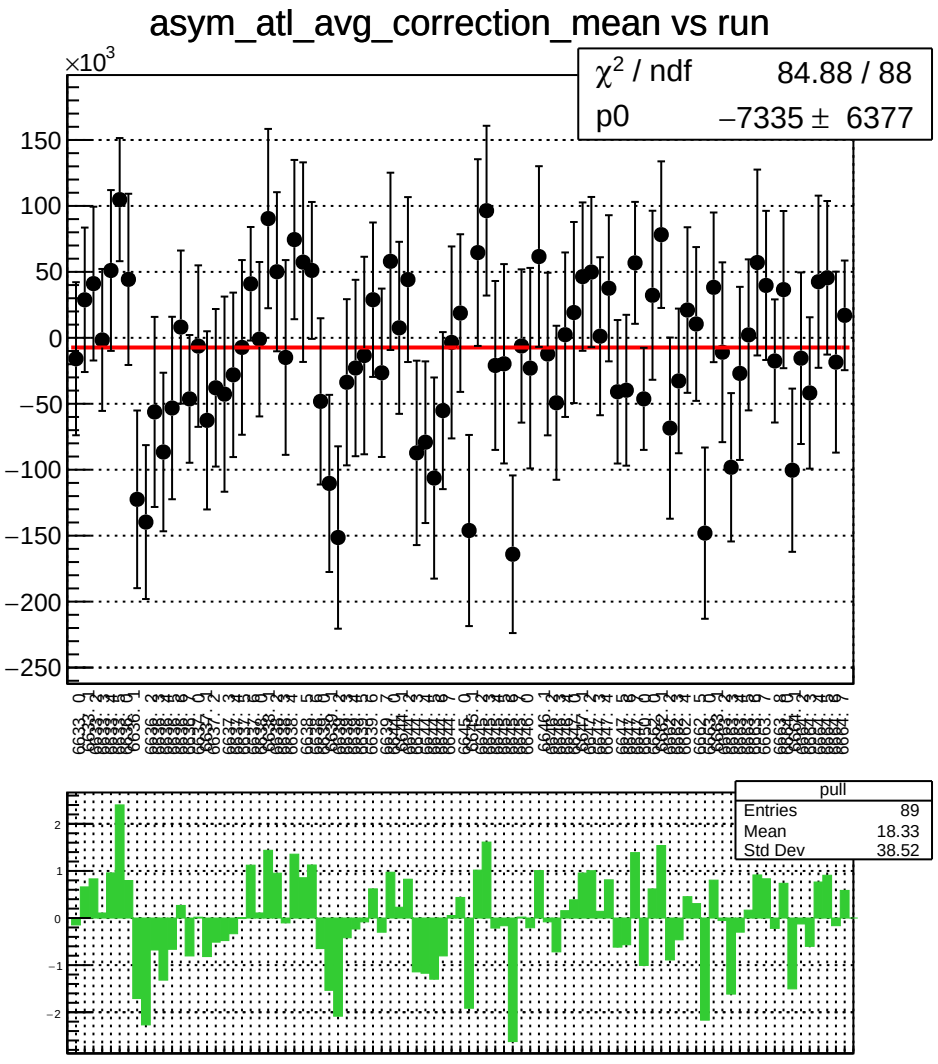

pull1D
Entries 89
Mean 0.001023
Std Dev 1.002

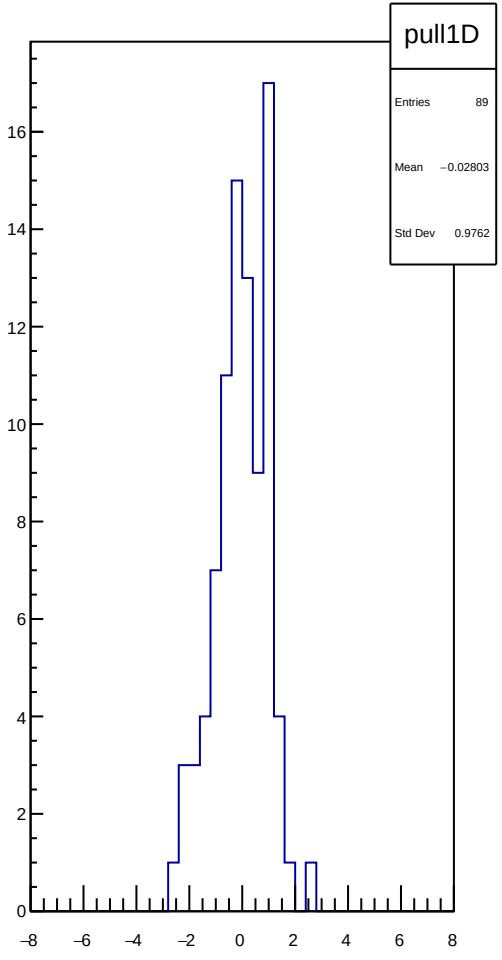

asym_at2_dd_rms vs run
χ² / ndf 1694 / 88
p0 2424 ± 1.851
2650
2600
2550
2500
2450
2400
2350
2300
2250

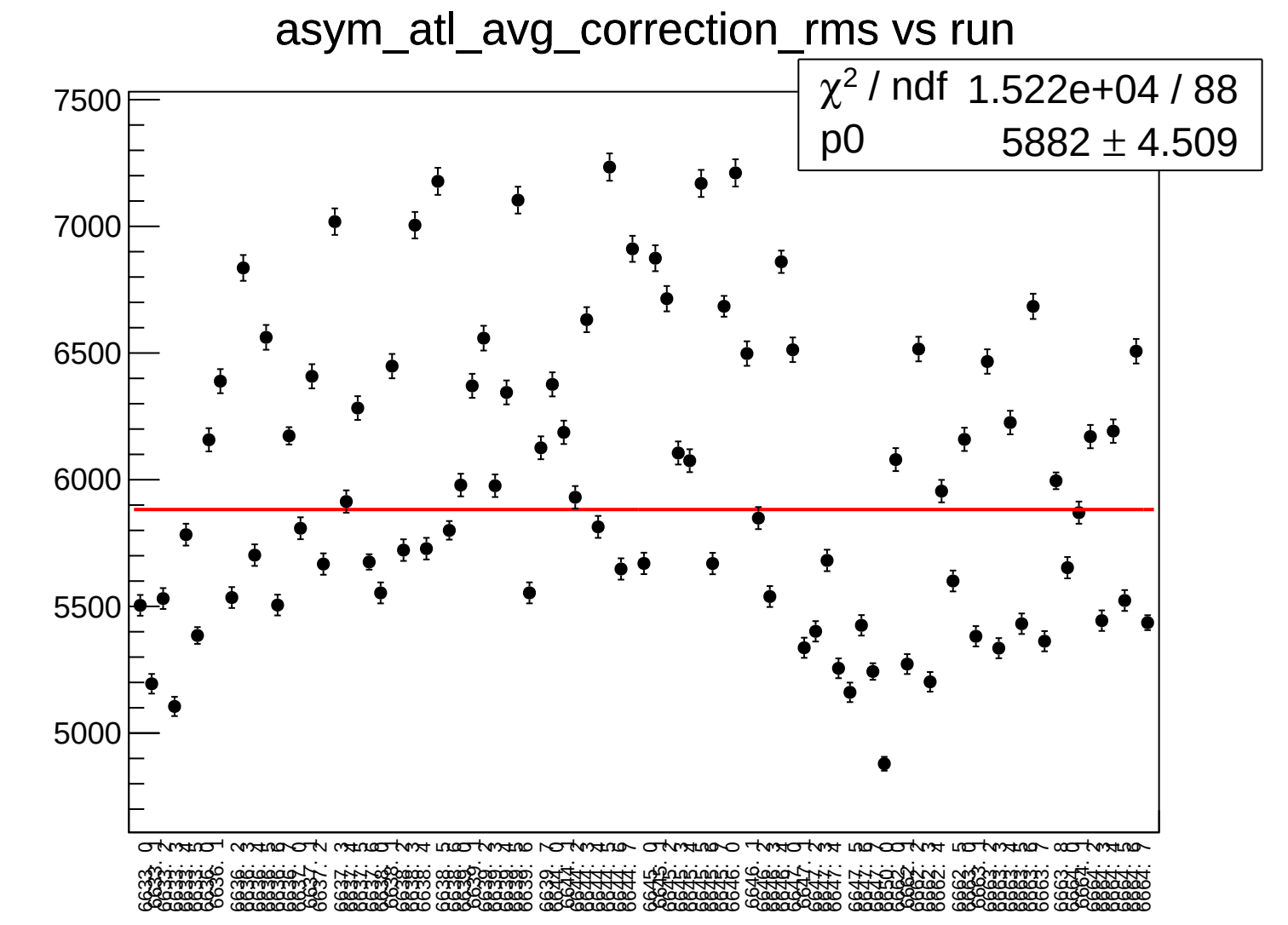

dit_asym_atl_avg_mean vs run
χ² / ndf 79.36 / 88
p0 −8376 ± 2300
×10³
pull
Entries 89
Mean −141.8
Std Dev 167.1

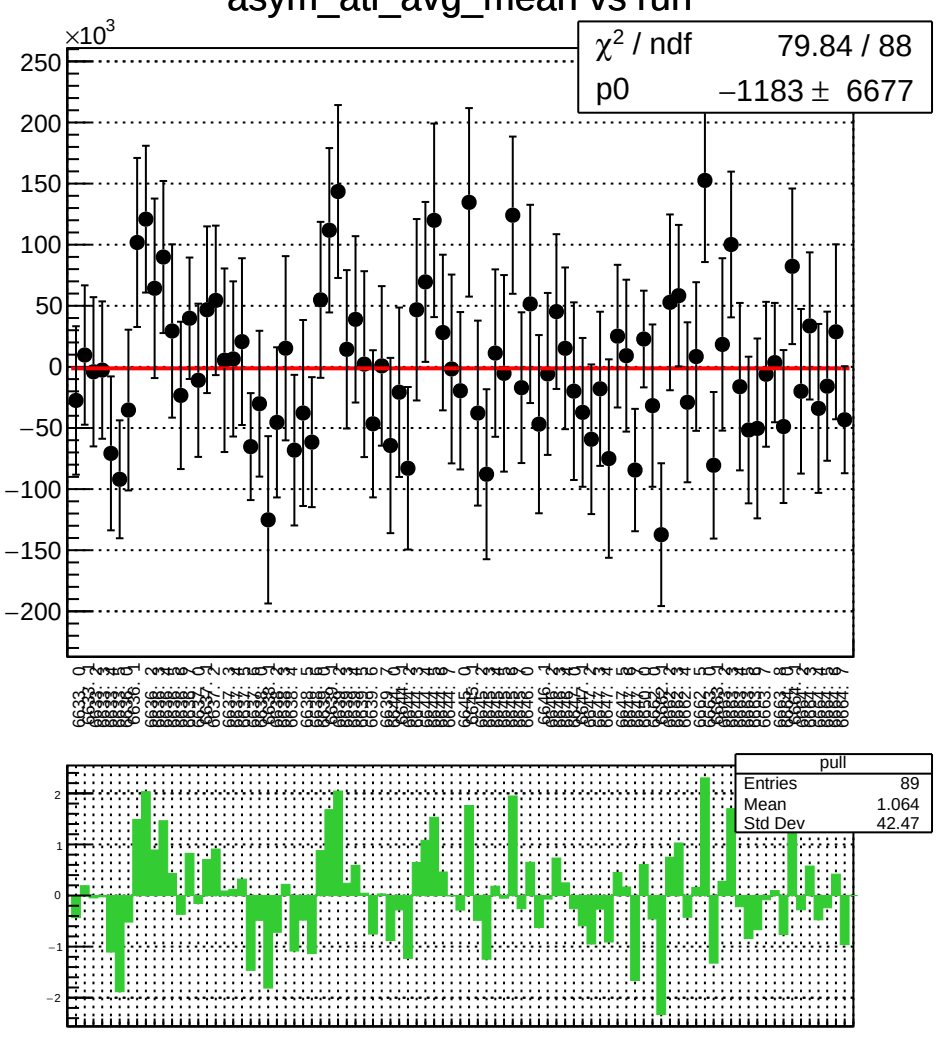

pull1D
Entries 89
Mean 0.008276
Std Dev 0.9442

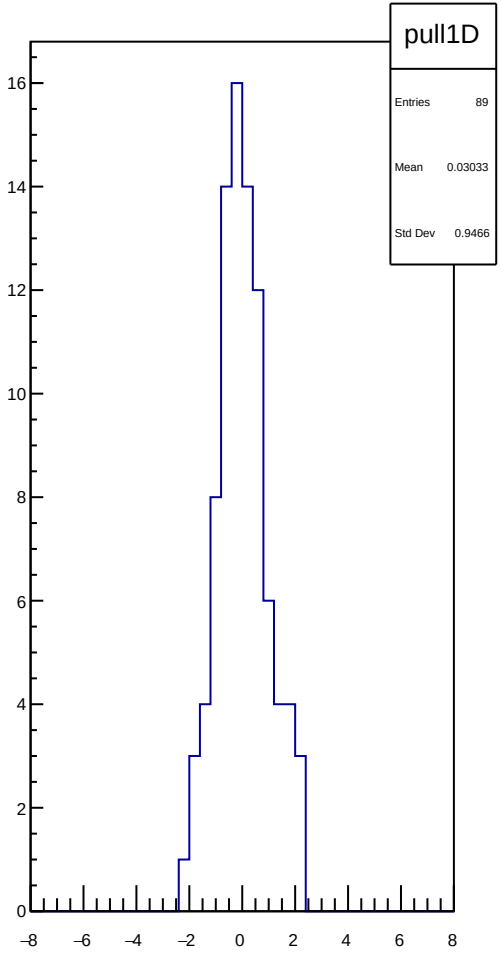

dit_asym_atl_avg_rms vs run
χ² / ndf 7624 / 88
p0 2126 ± 1.626
6000
5500
5000
4500
4000
3500
3000
2500
2000

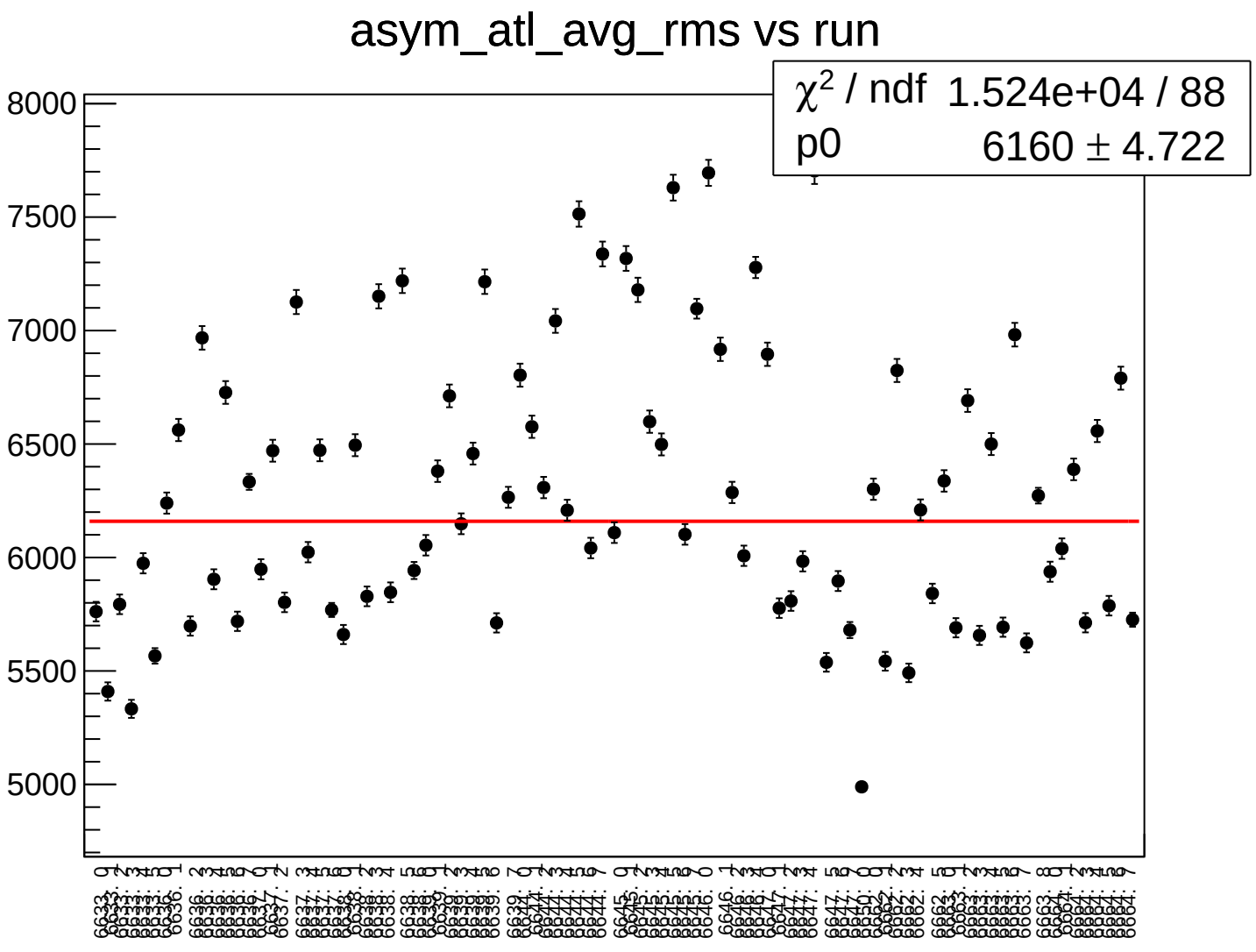

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 84.88 / 88
p0 −7335 ± 6377
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 89
Mean 18.33
Std Dev 38.52
2
1
0
−1
−2

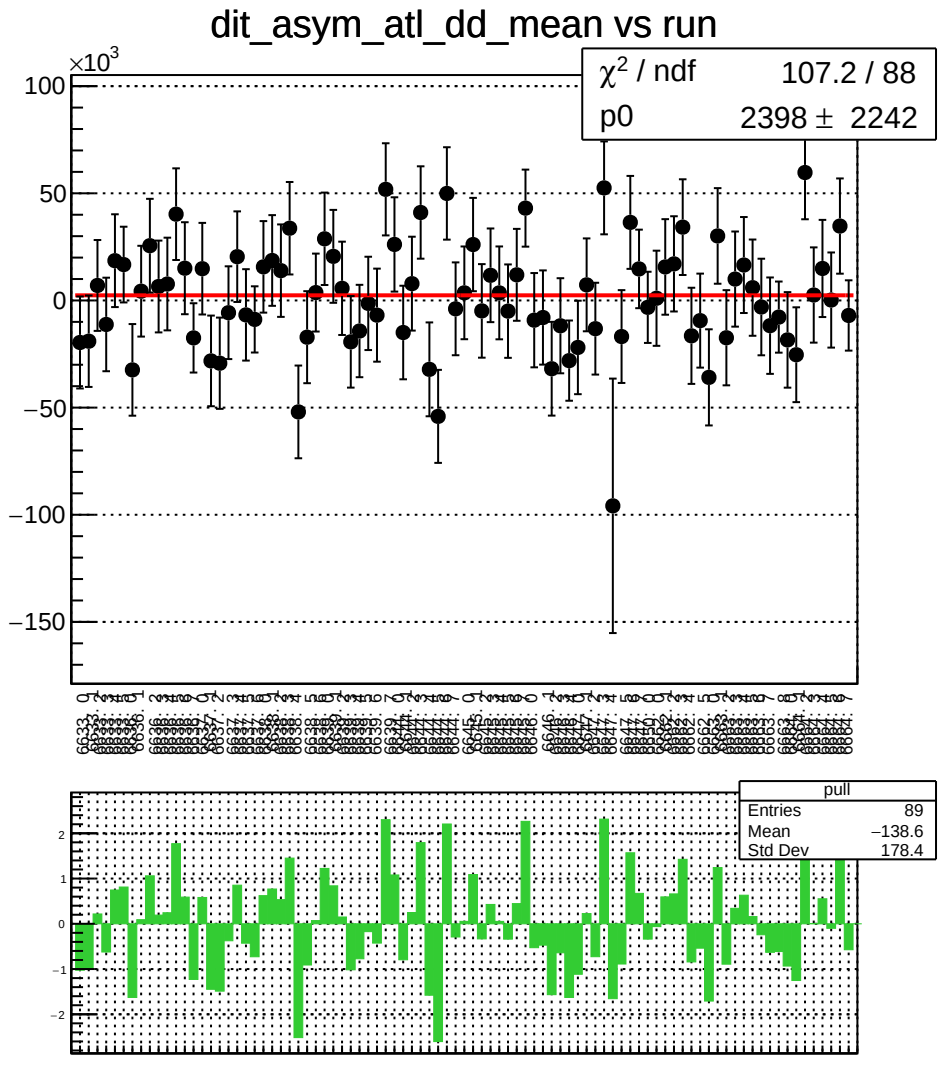

pull1D
Entries 89
Mean −0.02803
Std Dev 0.9762
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

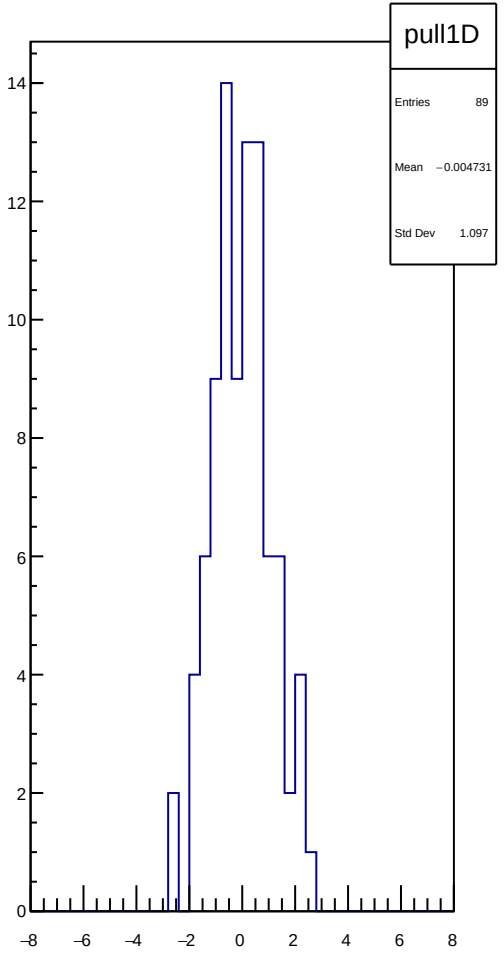

asym_atl_avg_correction_rms vs run
χ² / ndf 1.522e+04 / 88
p0 5882 ± 4.509
7500
7000
6500
6000
5500
5000

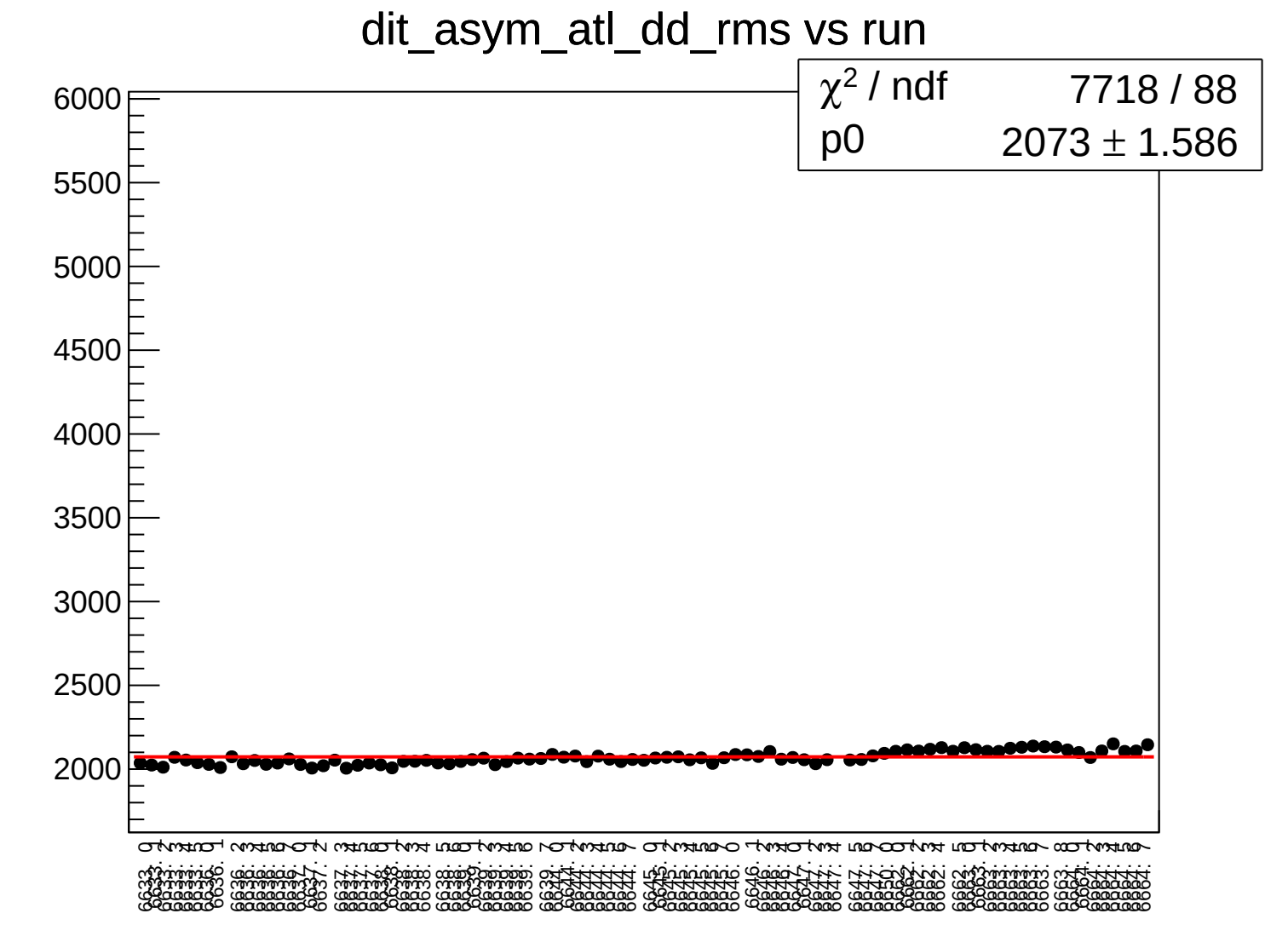

asym_atl_avg_mean vs run
×10^3
χ² / ndf 79.84 / 88
p0 −1183 ± 6677
pull
Entries 89
Mean 1.064
Std Dev 42.47

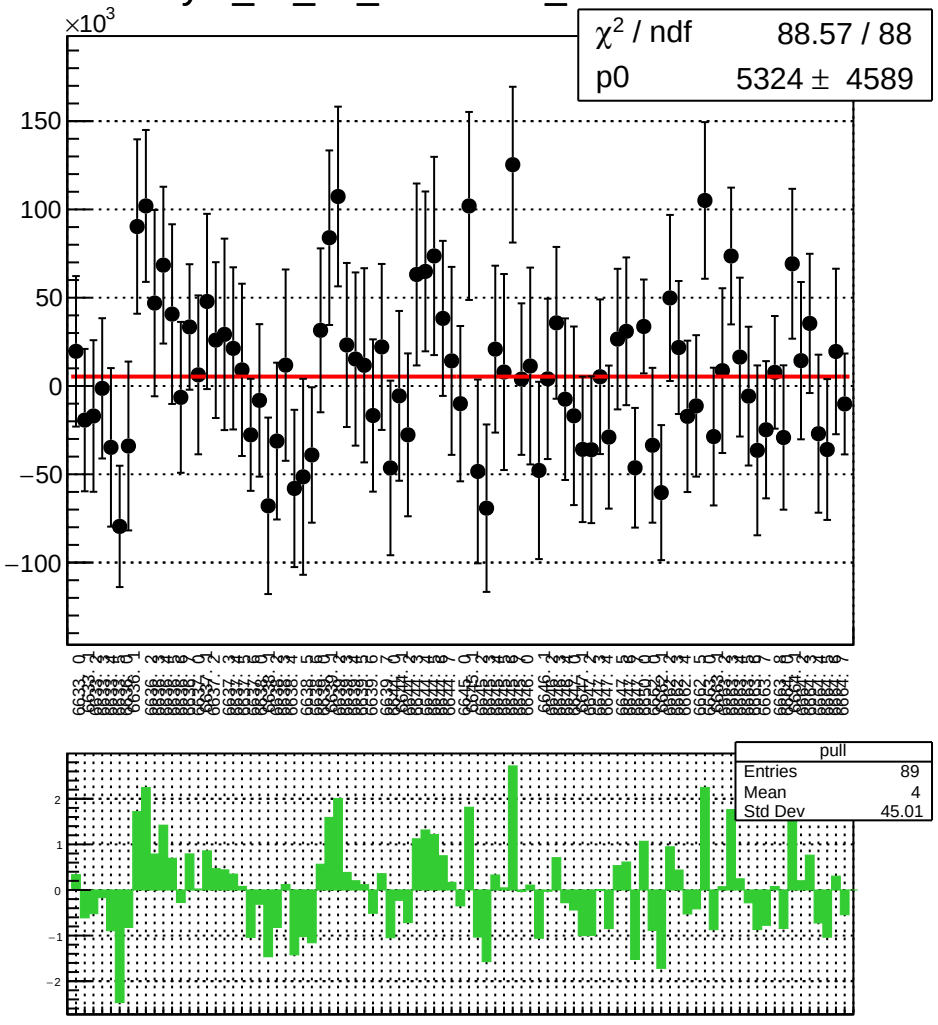

pull1D
Entries 89
Mean 0.03033
Std Dev 0.9466

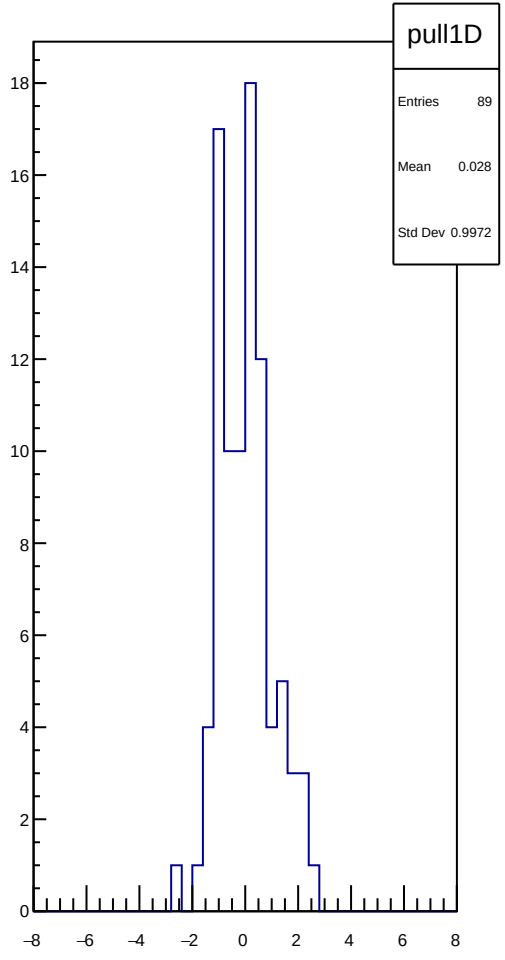

asym_atl_avg_rms vs run
χ² / ndf 1.524e+04 / 88
p0 6160 ± 4.722
8000
7500
7000
6500
6000
5500
5000

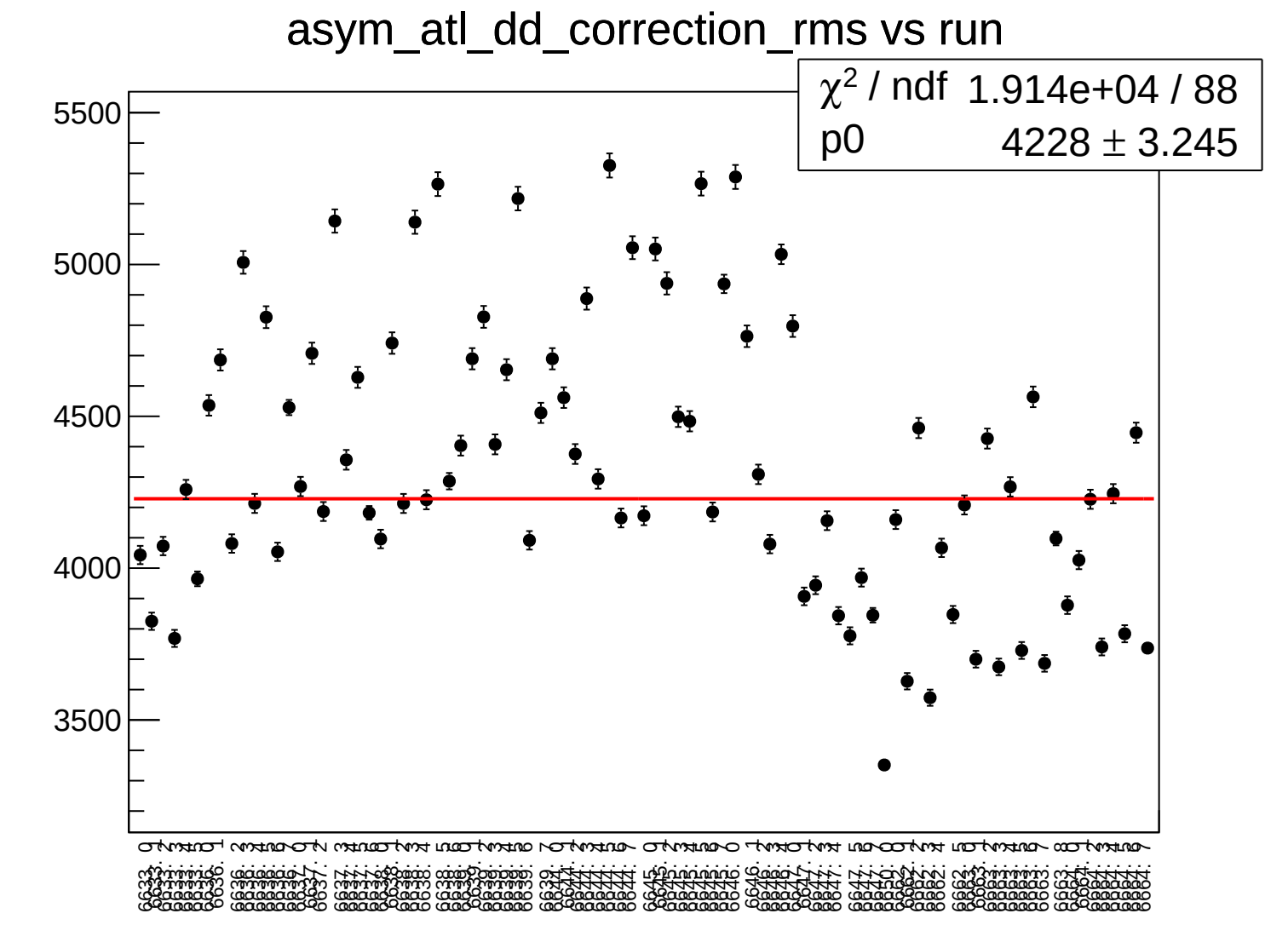

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 107.2 / 88
p0 2398 ± 2242
100
50
0
−50
−100
−150
pull
Entries 89
Mean −138.6
Std Dev 178.4
2
1
0
−1
−2

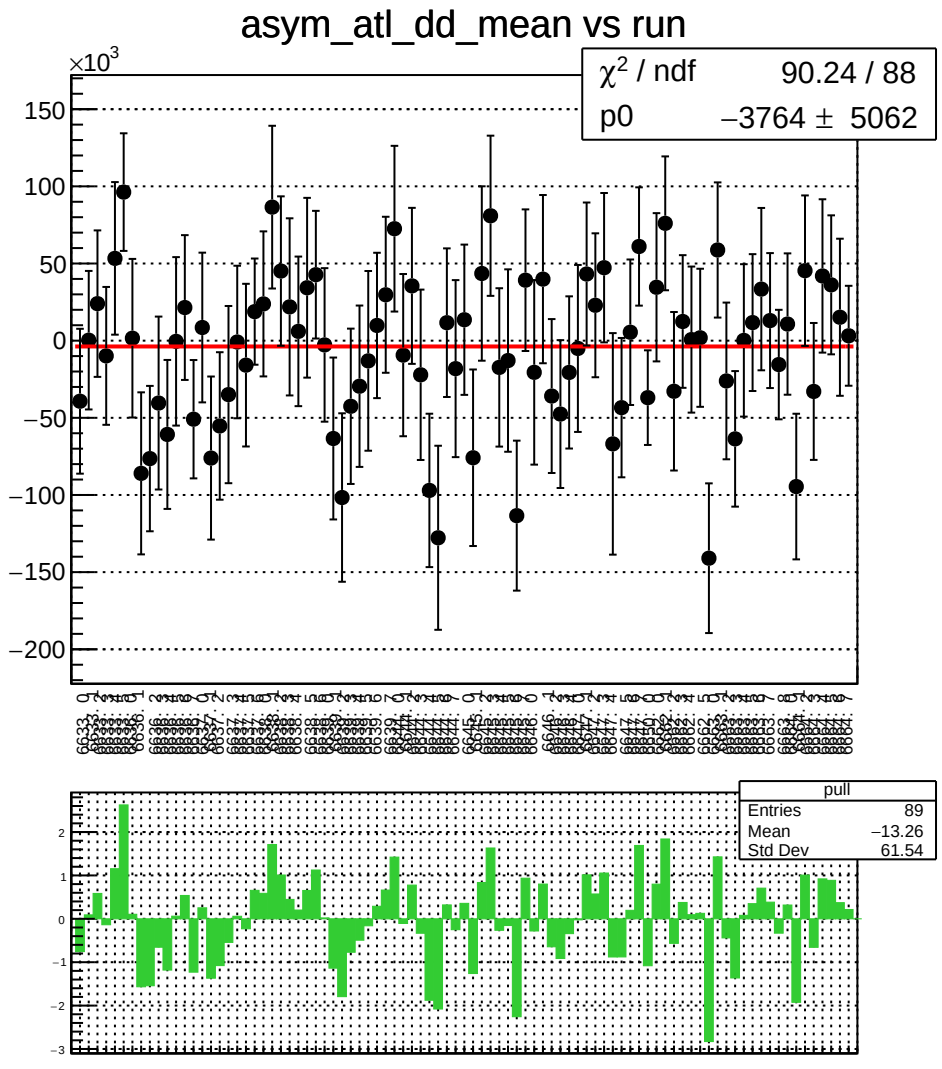

pull1D
Entries 89
Mean −0.004731
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

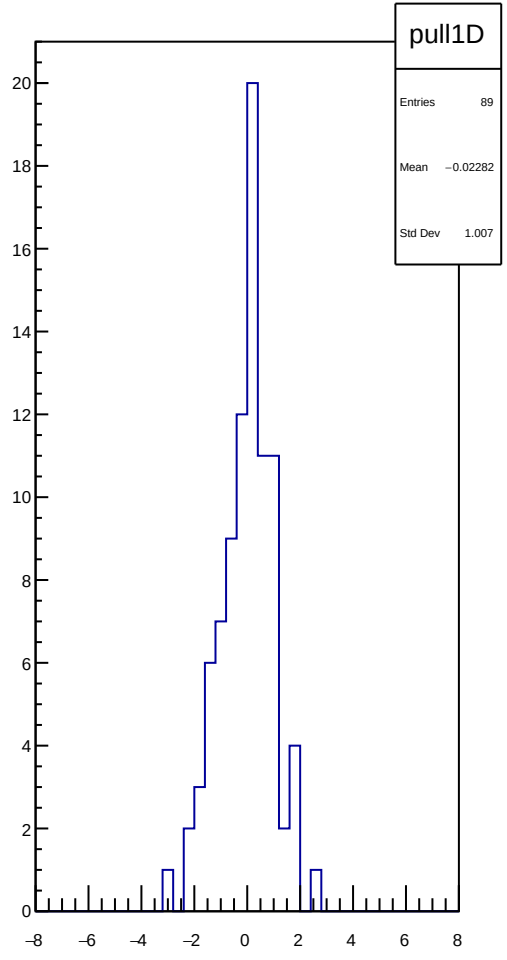

dit_asym_atl_dd_rms vs run
χ² / ndf 7718 / 88
p0 2073 ± 1.586
6000
5500
5000
4500
4000
3500
3000
2500
2000

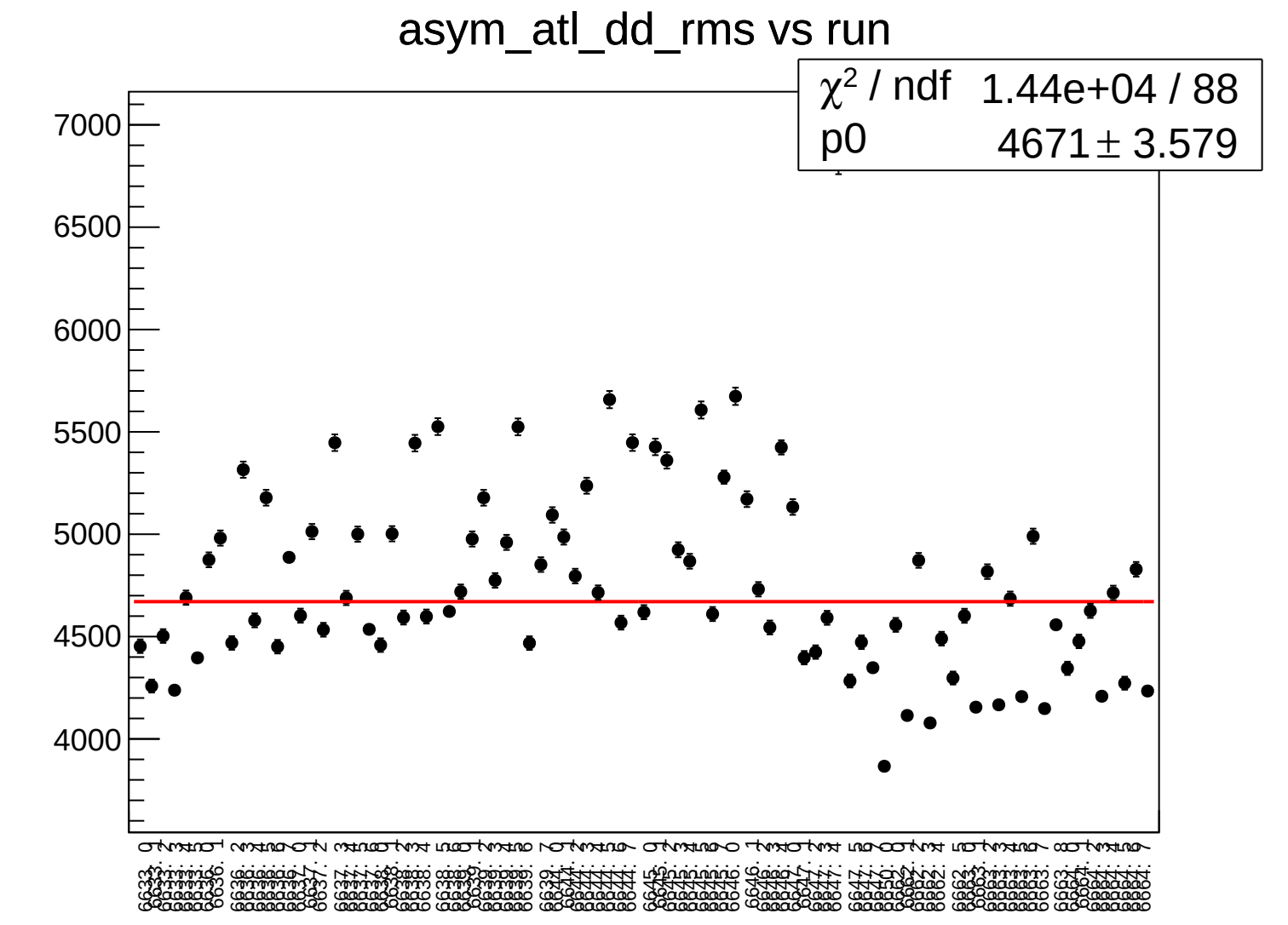

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 88.57 / 88
p0 5324 ± 4589
150
100
50
0
−50
−100
pull
Entries 89
Mean 4
Std Dev 45.01
2
1
0
−1
−2

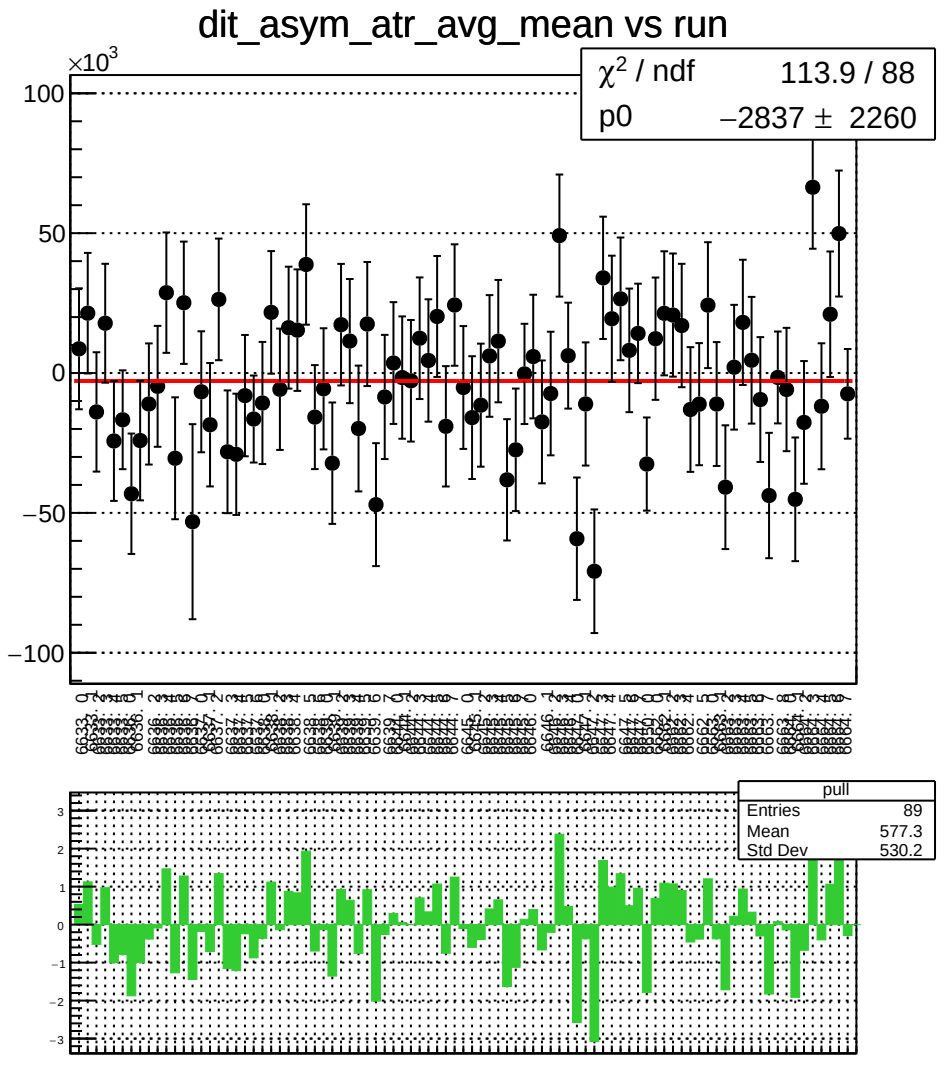

pull1D
Entries 89
Mean 0.028
Std Dev 0.9972
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

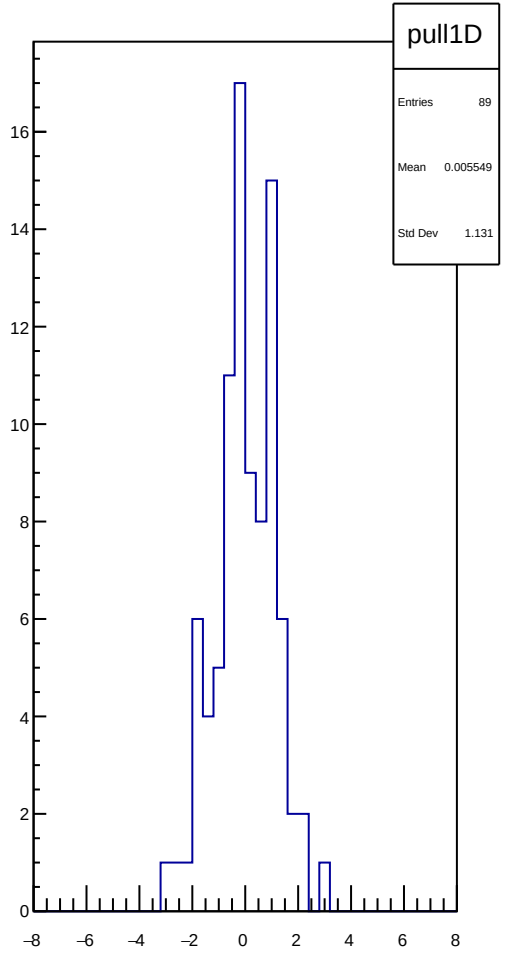

asym_atl_dd_correction_rms vs run
χ² / ndf 1.914e+04 / 88
p0 4228 ± 3.245
5500
5000
4500
4000
3500

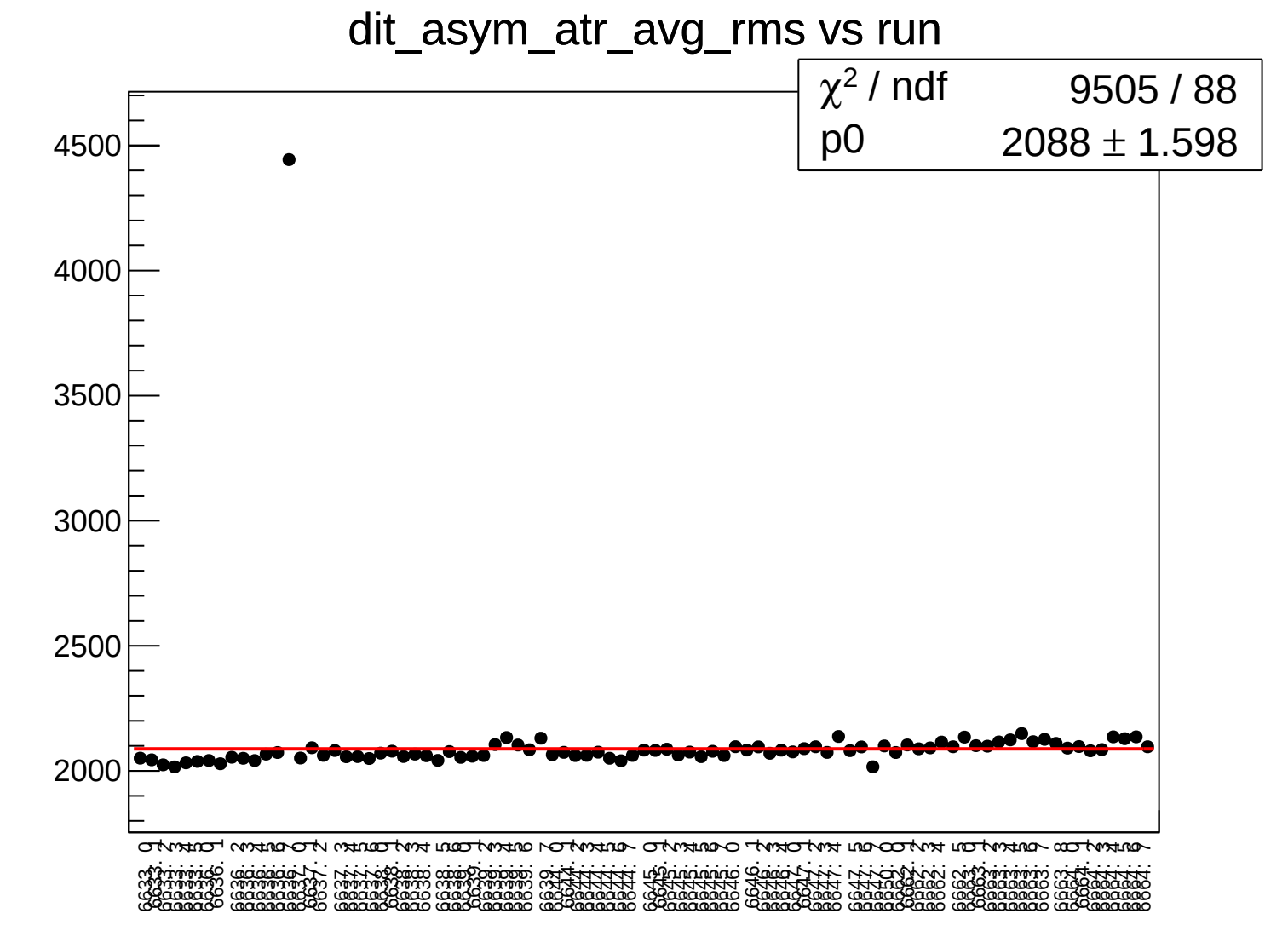

asym_atl_dd_mean vs run
×10^3
χ² / ndf 90.24 / 88
p0 −3764 ± 5062
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean −13.26
Std Dev 61.54
2
1
0
−1
−2
−3

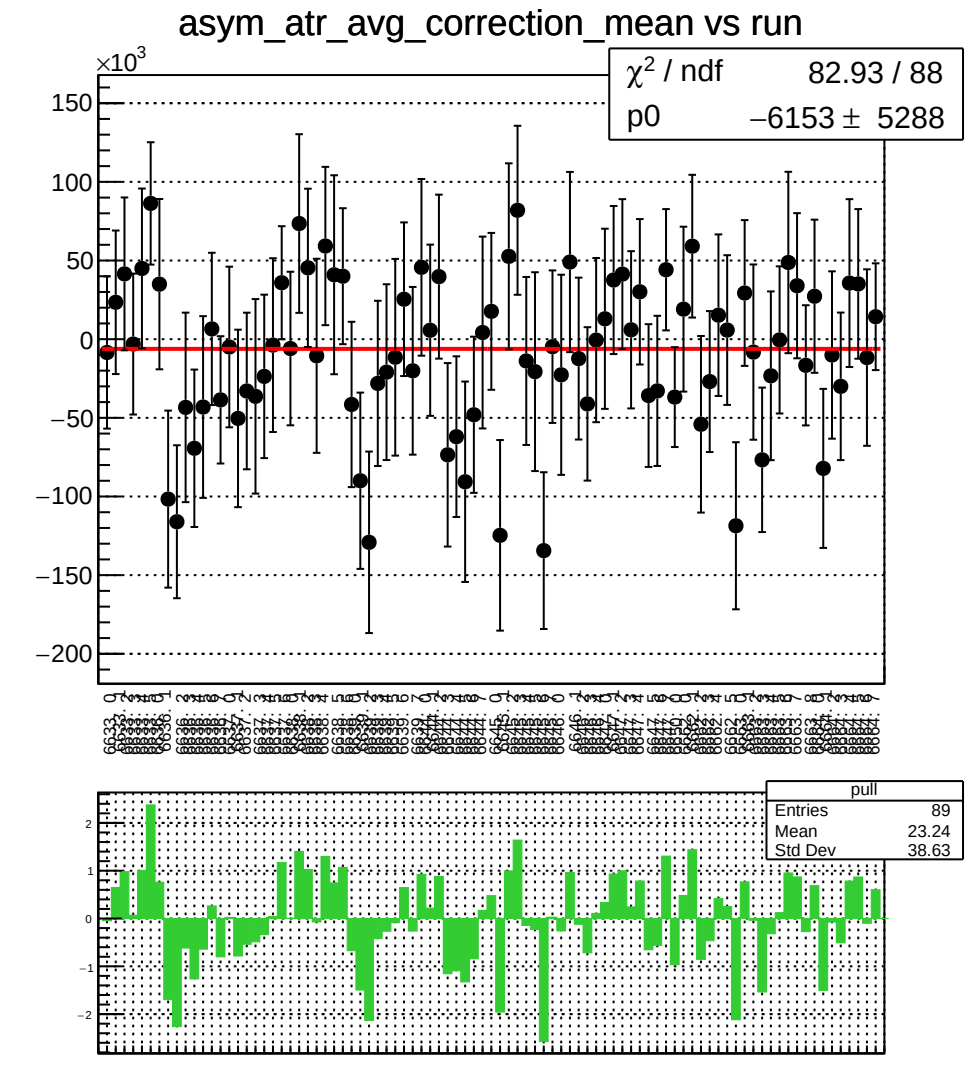

pull1D
Entries 89
Mean −0.02282
Std Dev 1.007
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

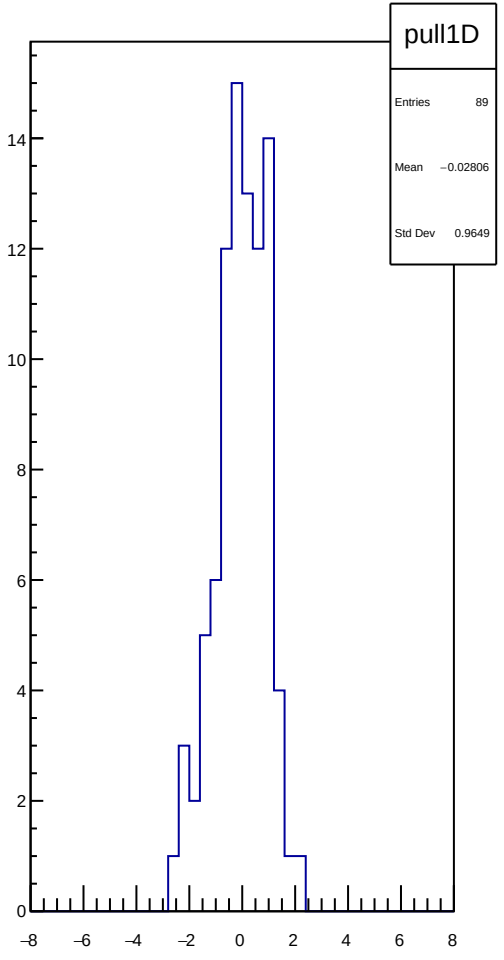

asym_atl_dd_rms vs run
χ² / ndf 1.44e+04 / 88
p0 4671 ± 3.579
7000
6500
6000
5500
5000
4500
4000

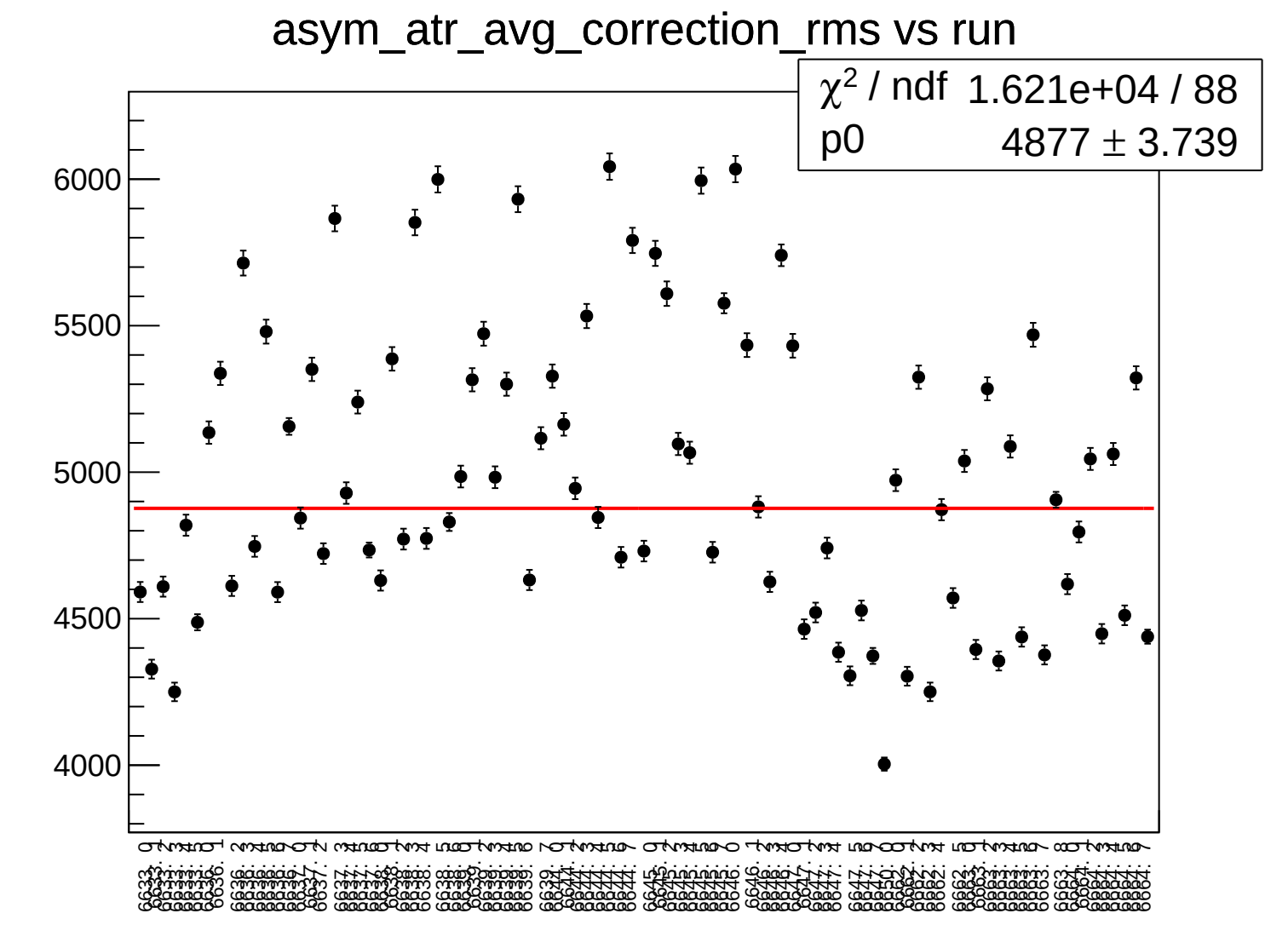

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 113.9 / 88
p0 −2837 ± 2260
100
50
0
−50
−100
pull
Entries 89
Mean 577.3
Std Dev 530.2
3
2
1
0
−1
−2
−3

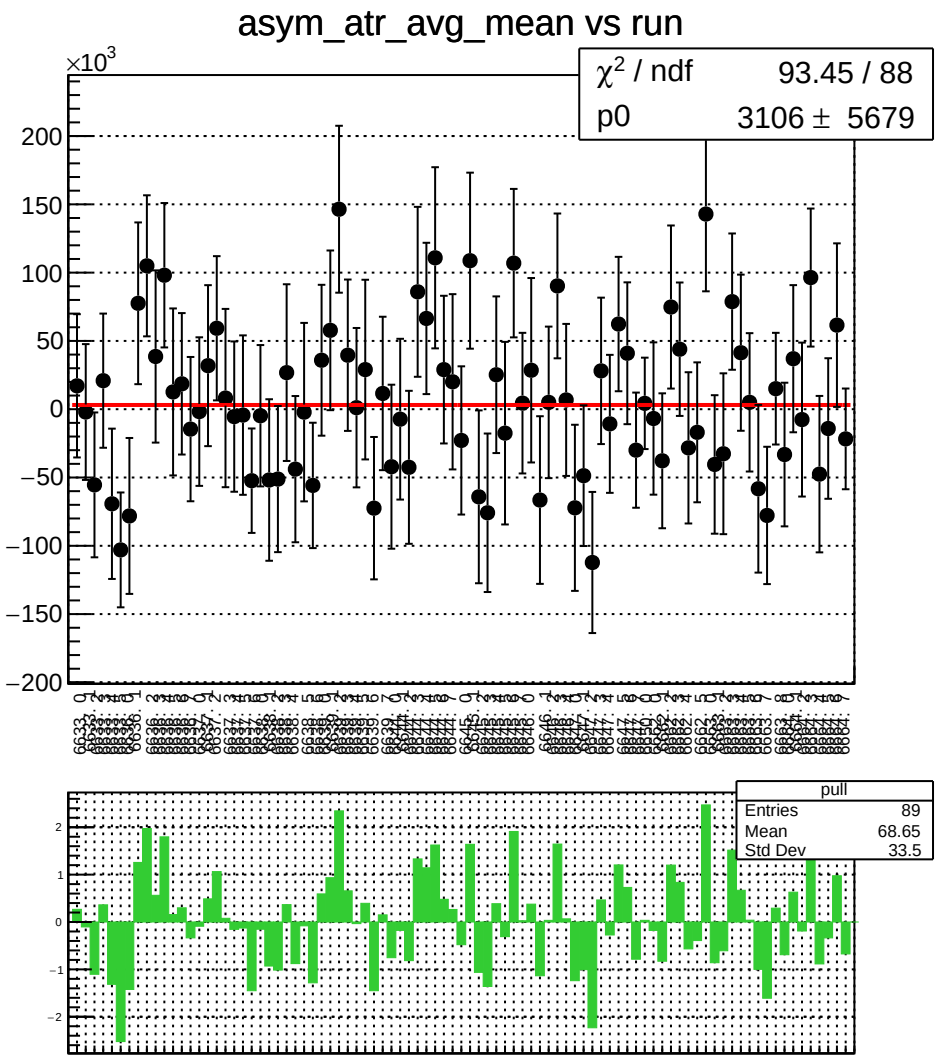

pull1D
Entries 89
Mean 0.005549
Std Dev 1.131
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

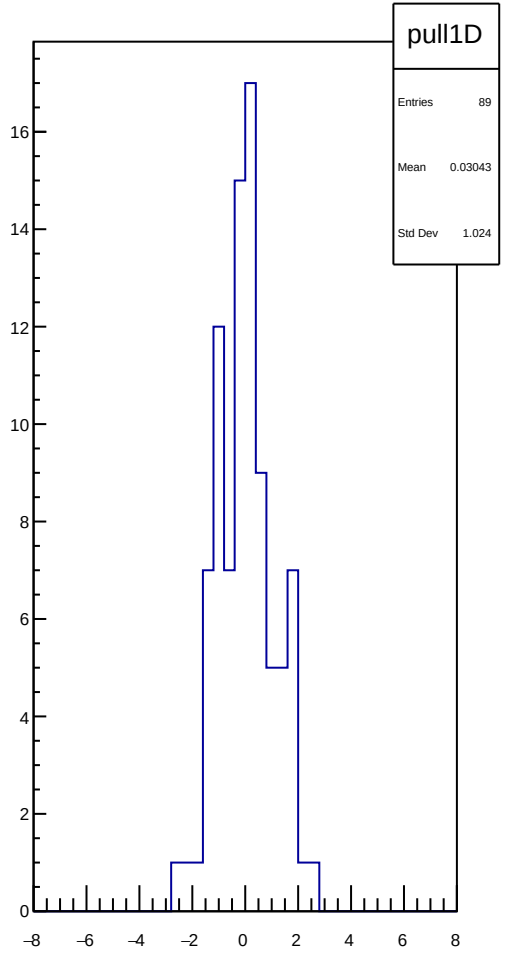

dit_asym_atr_avg_rms vs run
χ^2 / ndf 9505 / 88
p0 2088 ± 1.598
4500
4000
3500
3000
2500
2000

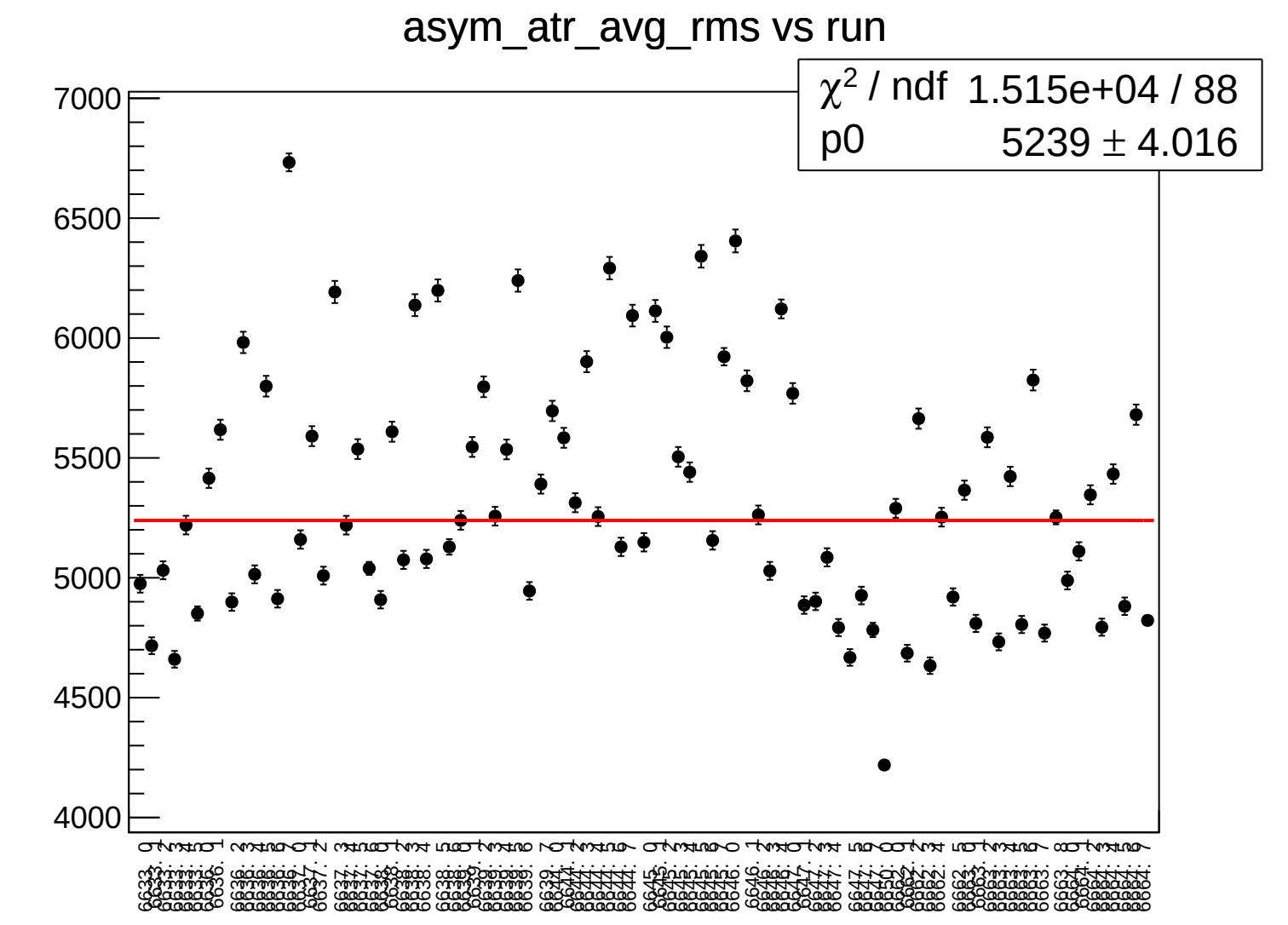

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 82.93 / 88
p0 −6153 ± 5288
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 23.24
Std Dev 38.63
2
1
0
−1
−2

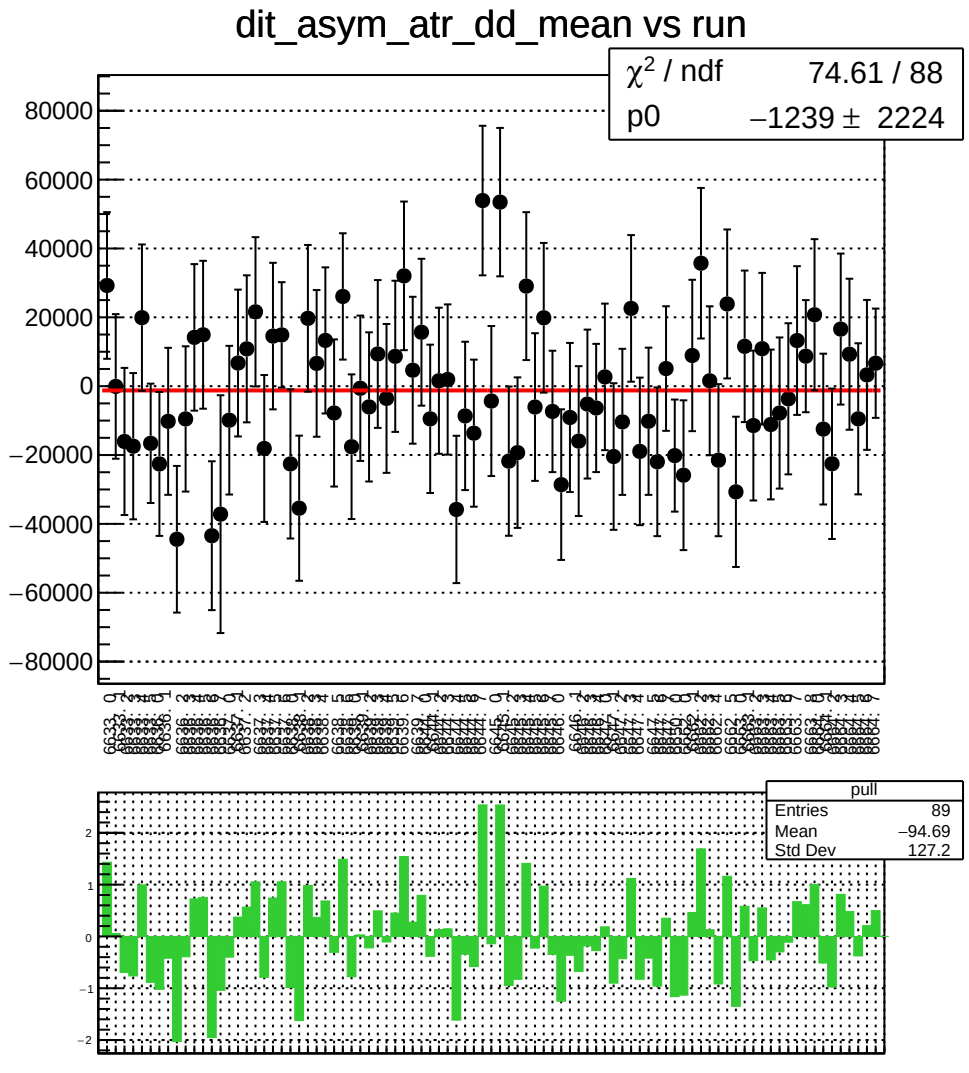

pull1D
Entries 89
Mean −0.02806
Std Dev 0.9649
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

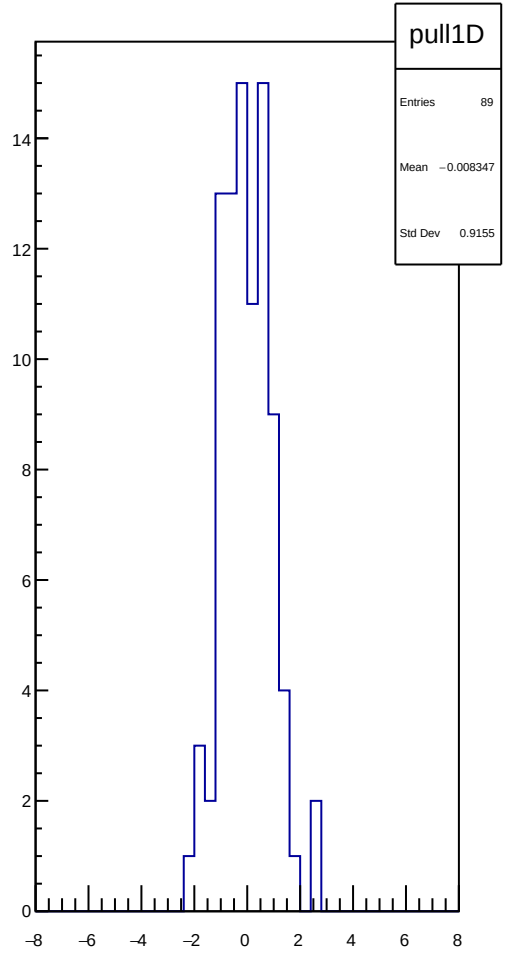

asym_atr_avg_correction_rms vs run
χ² / ndf 1.621e+04 / 88
p0 4877 ± 3.739
6000
5500
5000
4500
4000

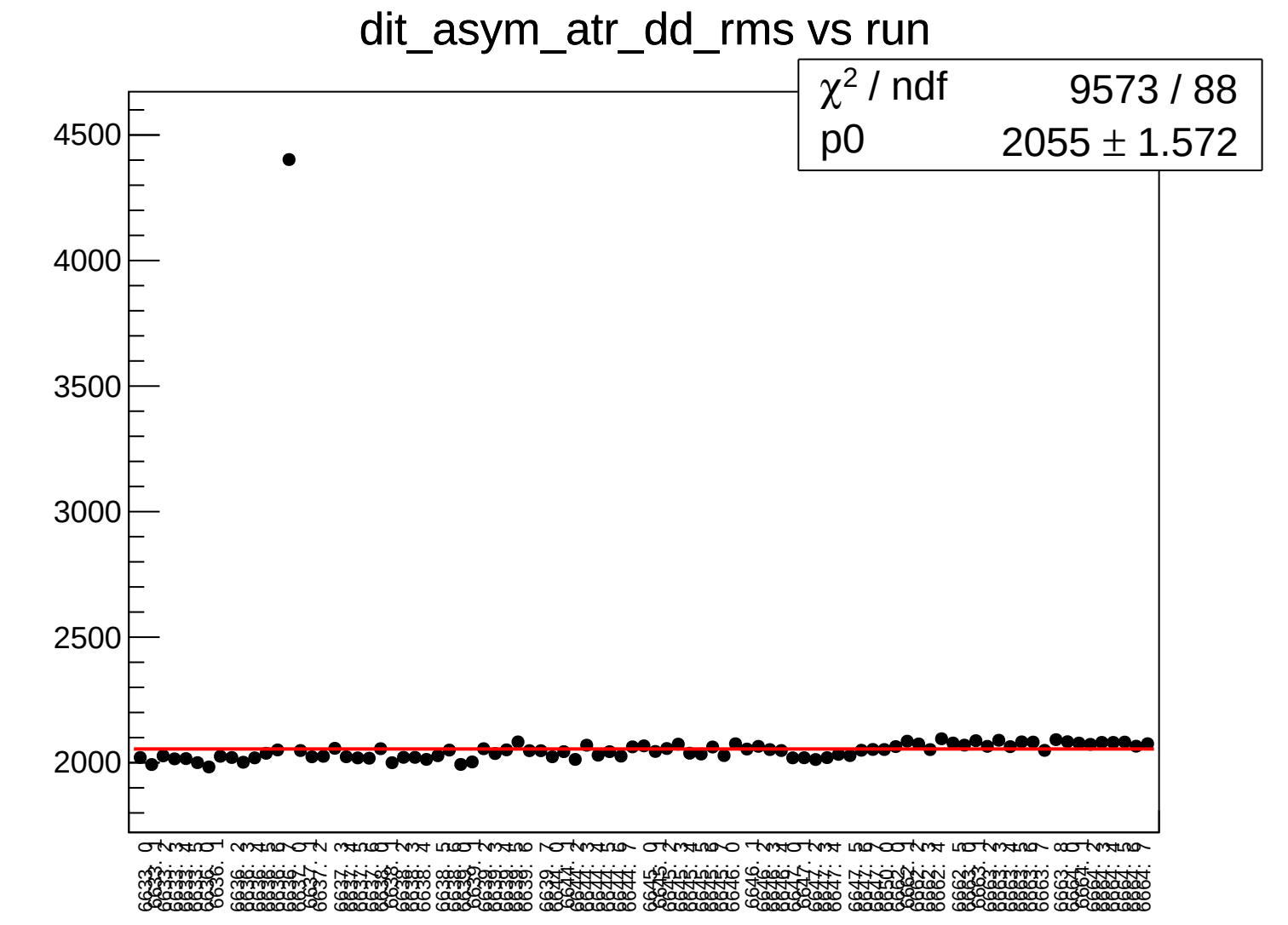

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 93.45 / 88
p0 3106 ± 5679
pull
Entries 89
Mean 68.65
Std Dev 33.5

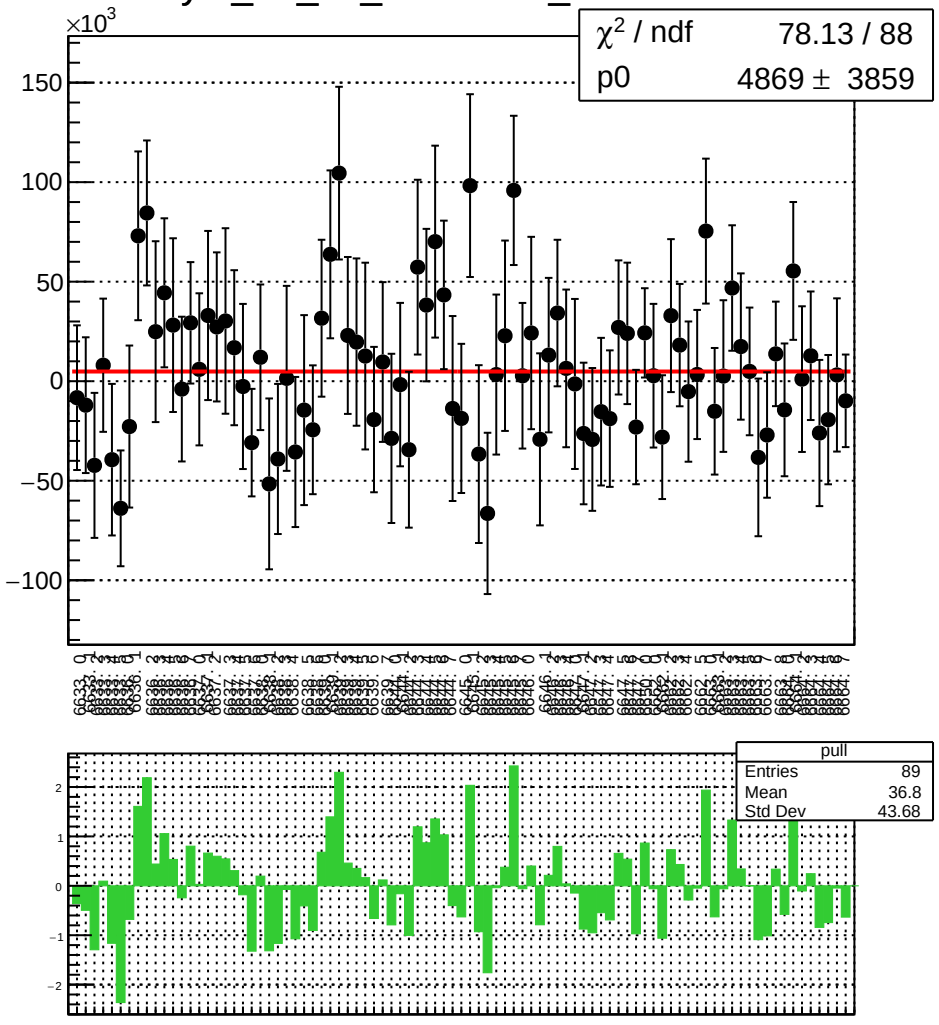

pull1D
Entries 89
Mean 0.03043
Std Dev 1.024

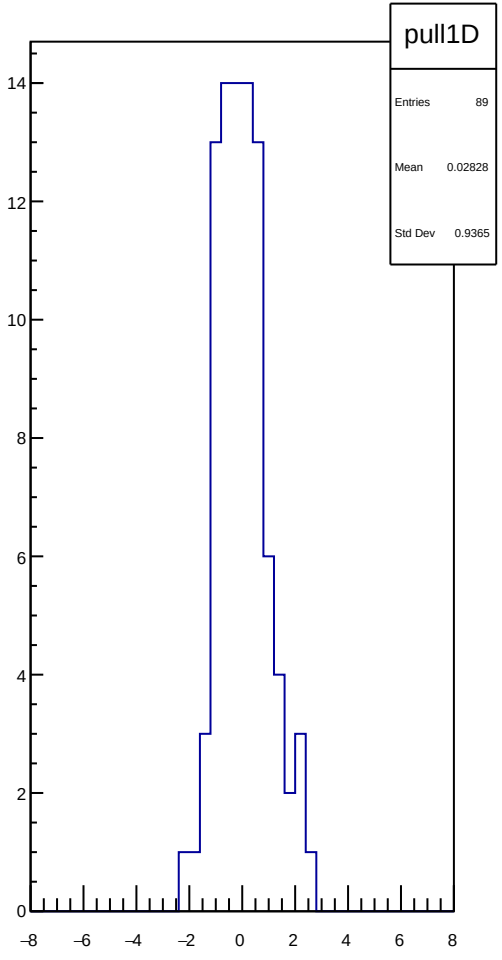

asym_atr_avg_rms vs run
χ^2 / ndf 1.515e+04 / 88
p0 5239 ± 4.016
7000
6500
6000
5500
5000
4500
4000

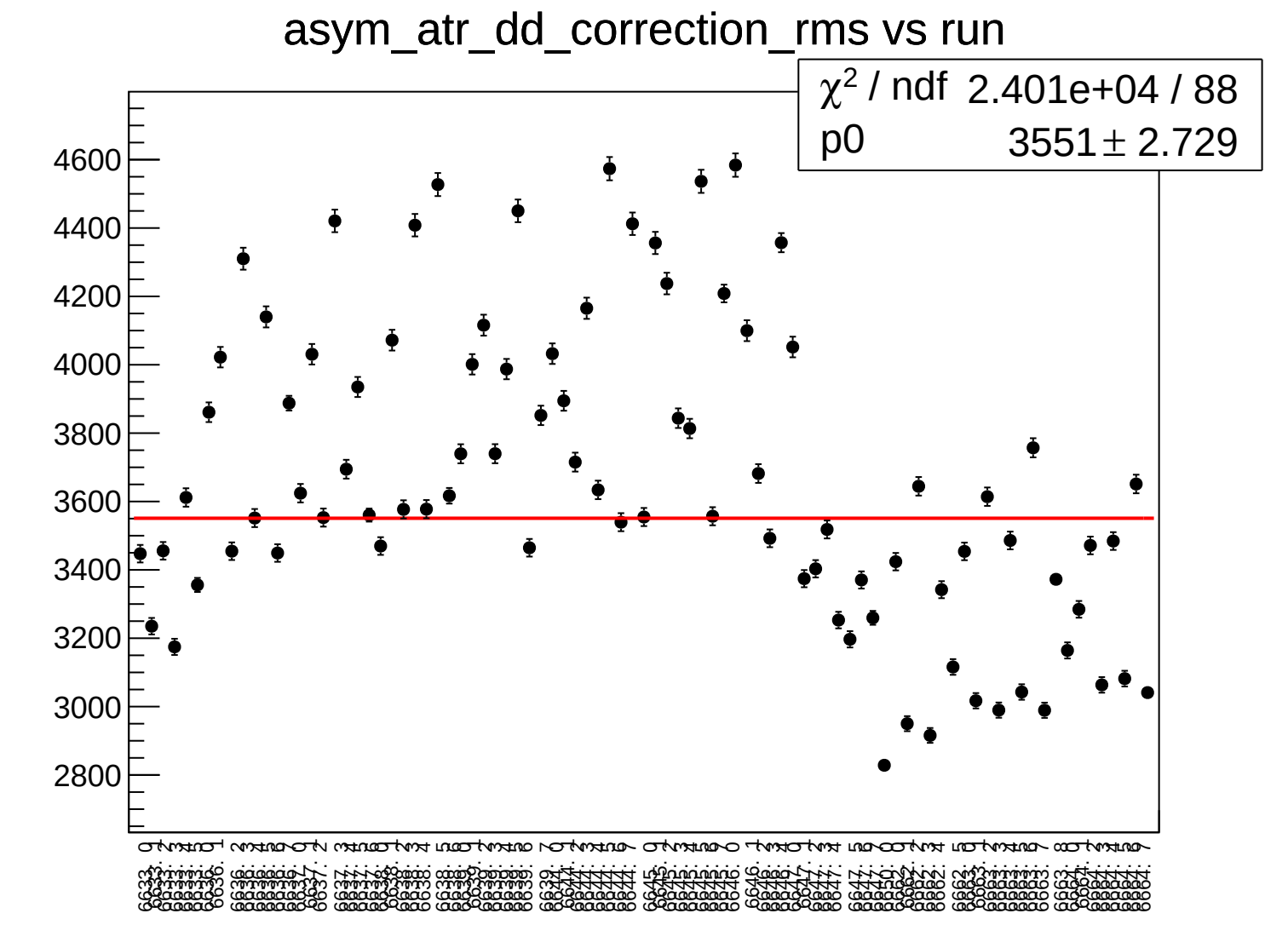

dit_asym_atr_dd_mean vs run
χ² / ndf 74.61 / 88
p0 −1239 ± 2224
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −94.69
Std Dev 127.2
2
1
0
−1
−2

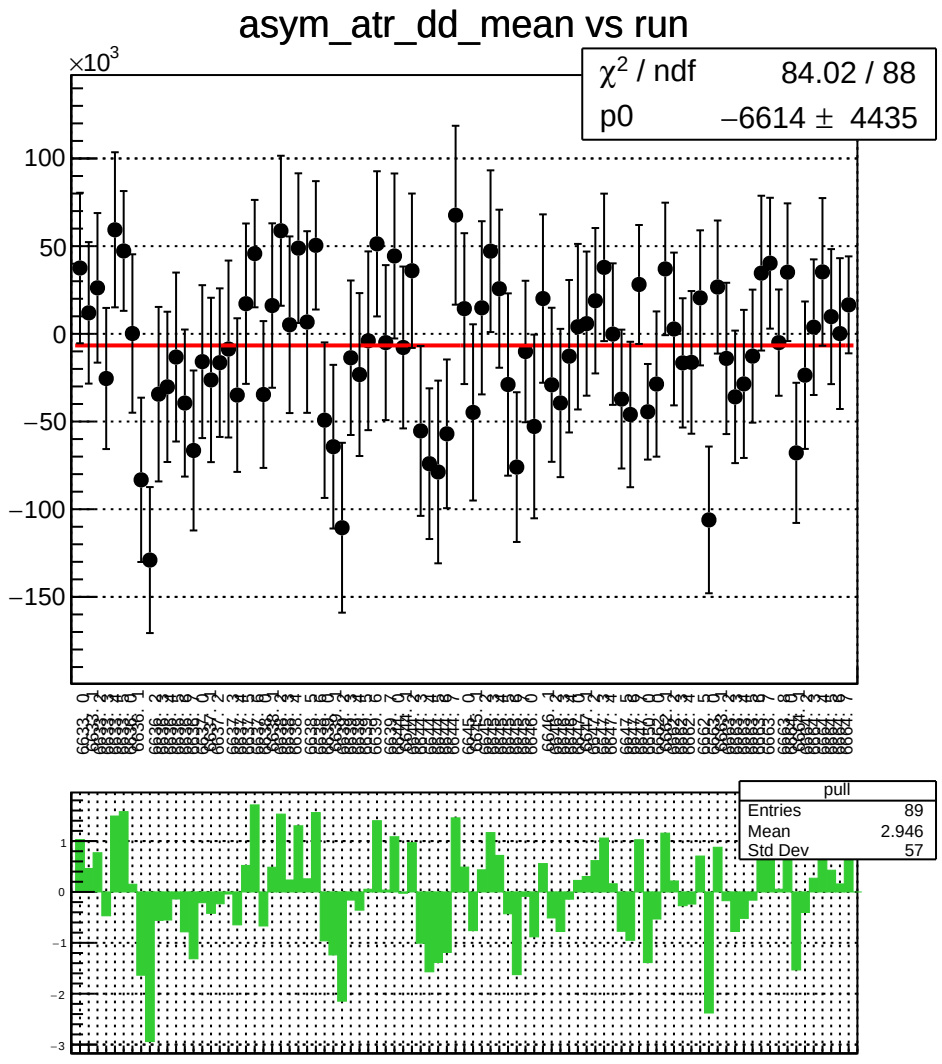

pull1D
Entries 89
Mean −0.008347
Std Dev 0.9155
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

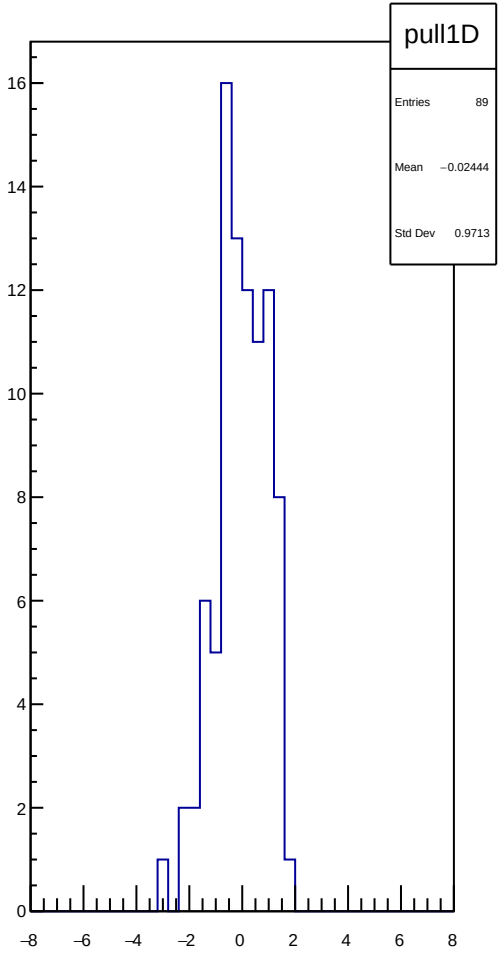

dit_asym_atr_dd_rms vs run
χ^2 / ndf 9573 / 88
p0 2055 ± 1.572
4500
4000
3500
3000
2500
2000

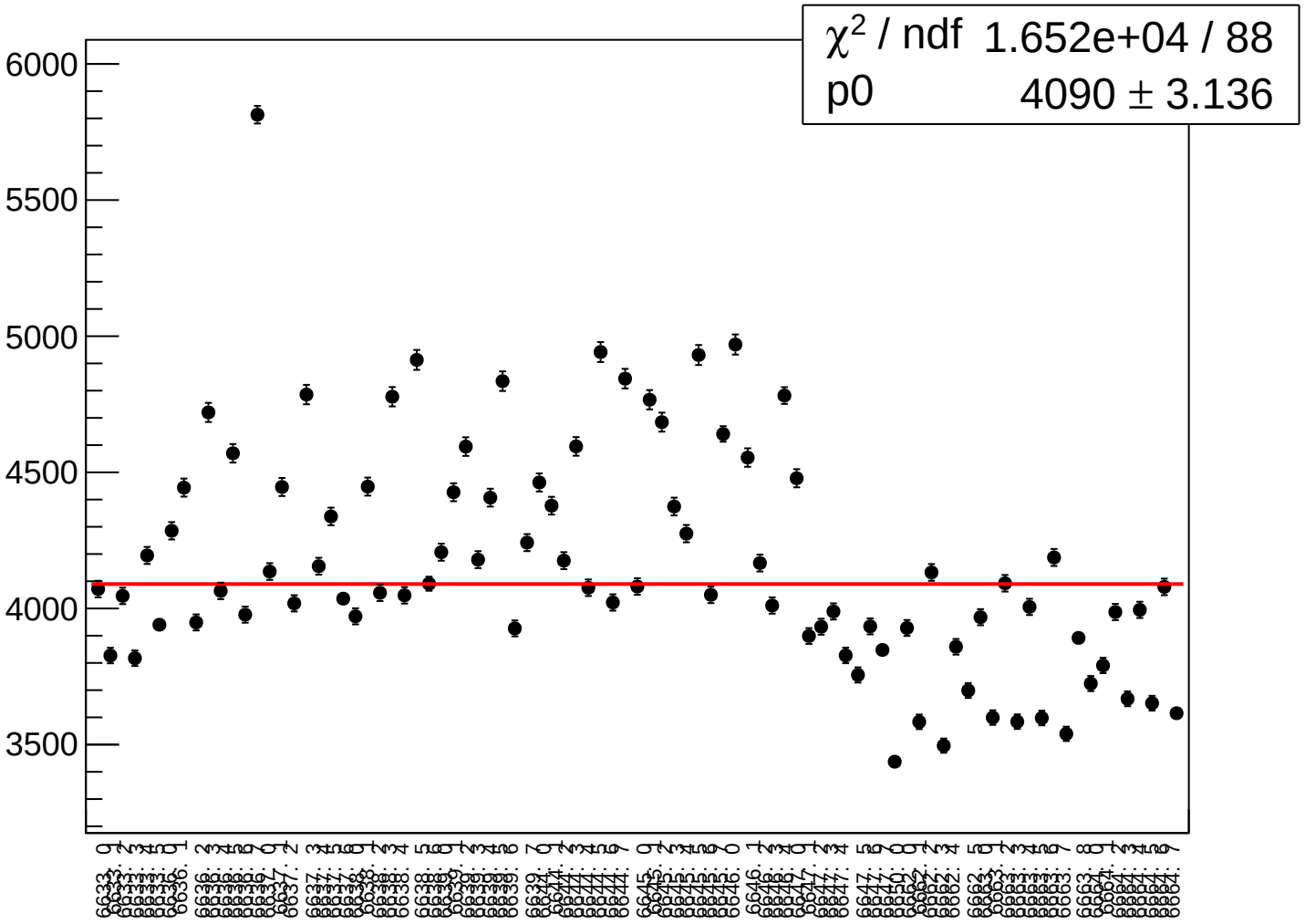

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 78.13 / 88
p0 4869 ± 3859
150
100
50
0
−50
−100
pull
Entries 89
Mean 36.8
Std Dev 43.68
2
1
0
−1
−2

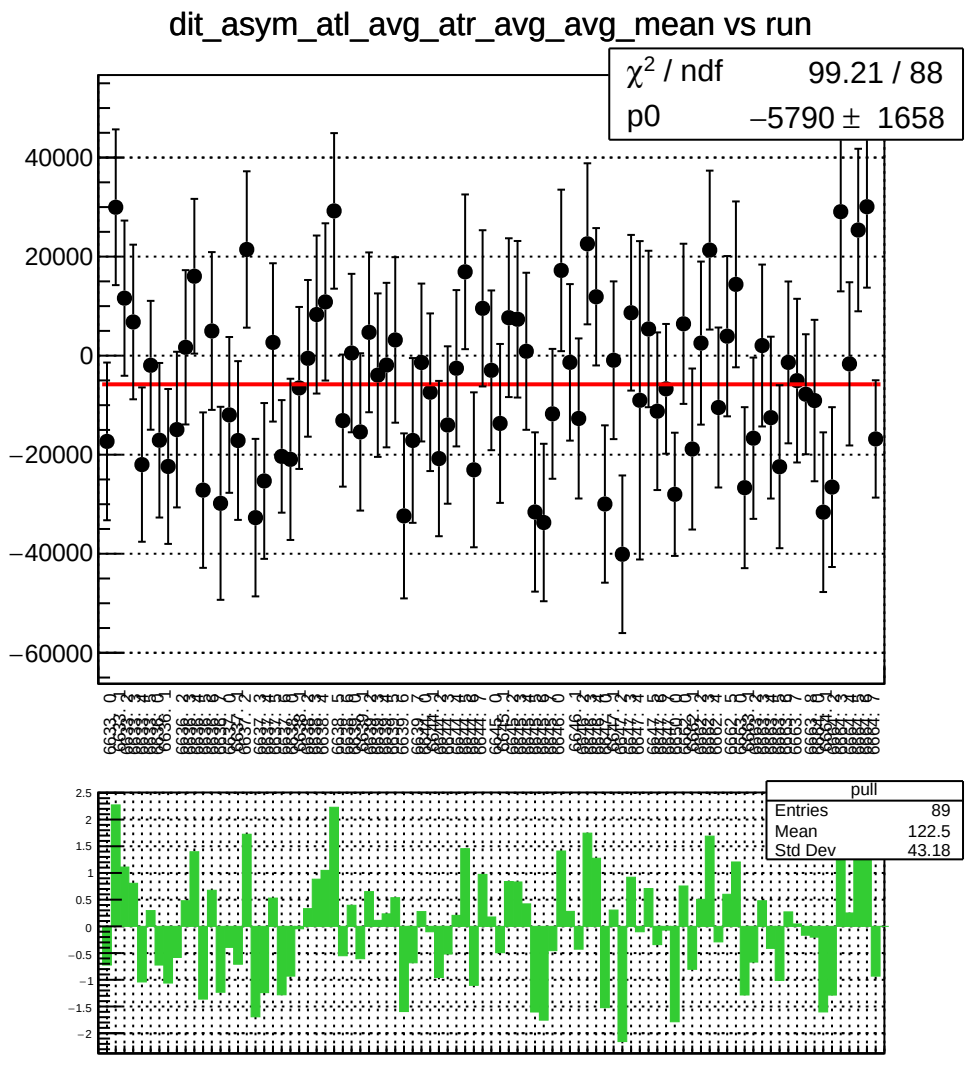

pull1D
Entries 89
Mean 0.02828
Std Dev 0.9365
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

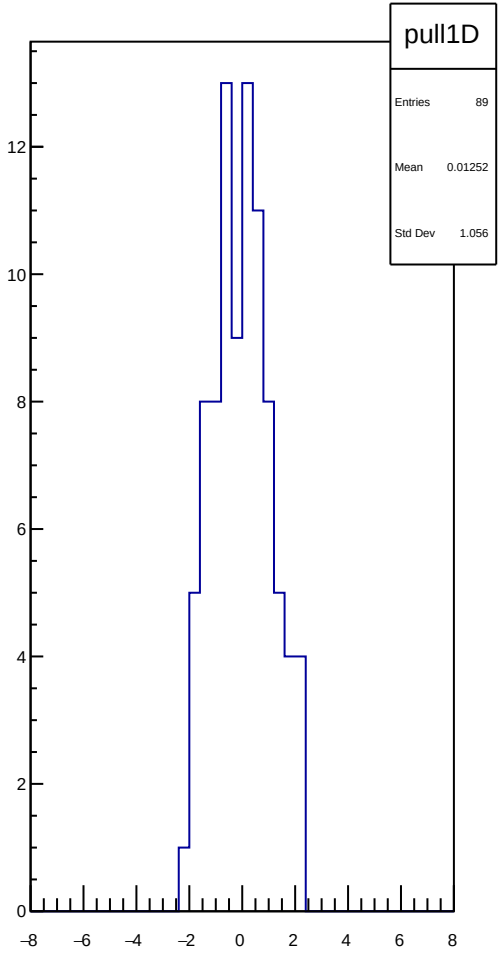

asym_atr_dd_correction_rms vs run
χ² / ndf 2.401e+04 / 88
p0 3551 ± 2.729
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

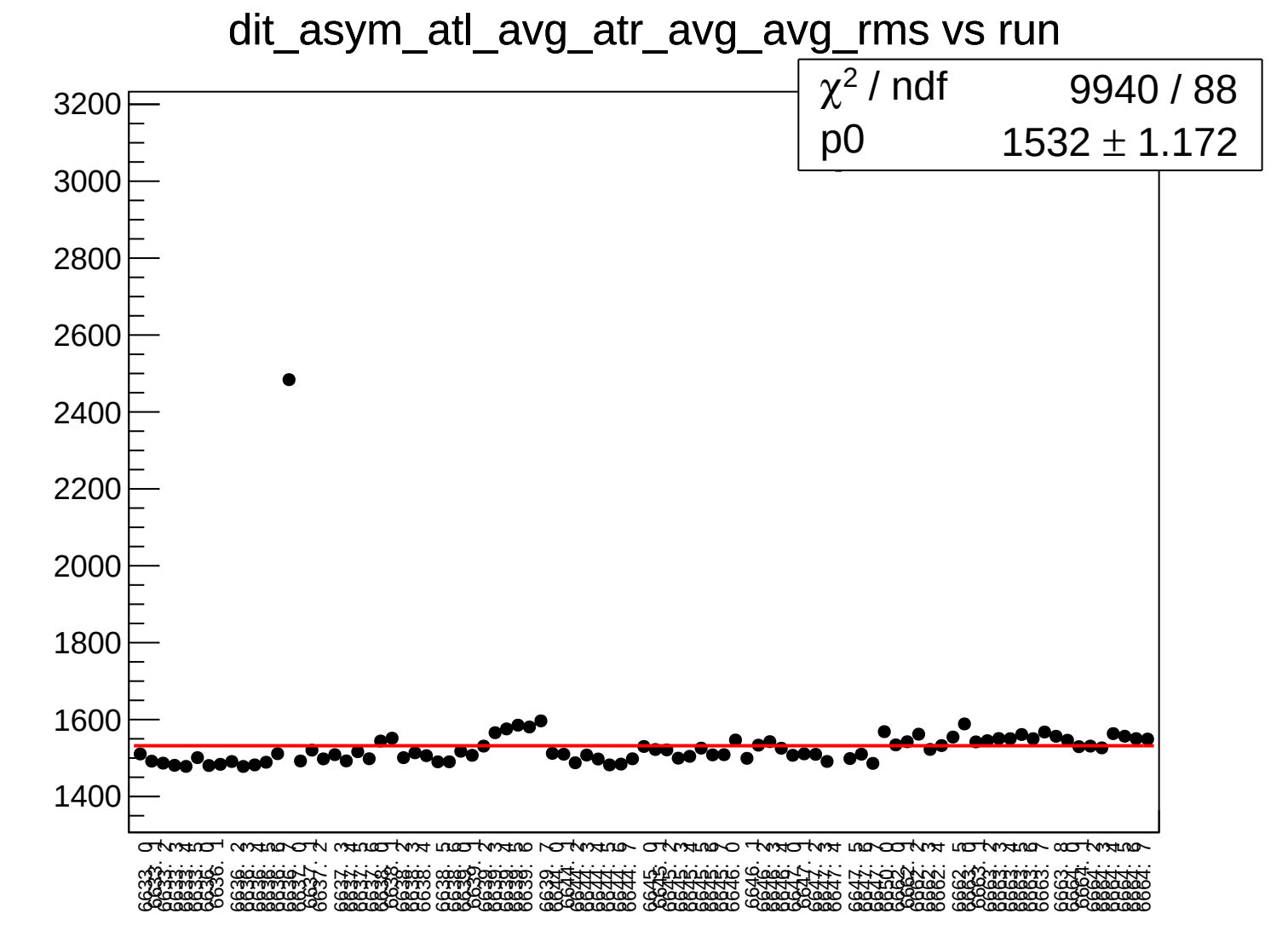

asym_atr_dd_mean vs run
×10^3
χ² / ndf 84.02 / 88
p0 −6614 ± 4435
100
50
0
−50
−100
−150
pull
Entries 89
Mean 2.946
Std Dev 57
1
0
−1
−2
−3

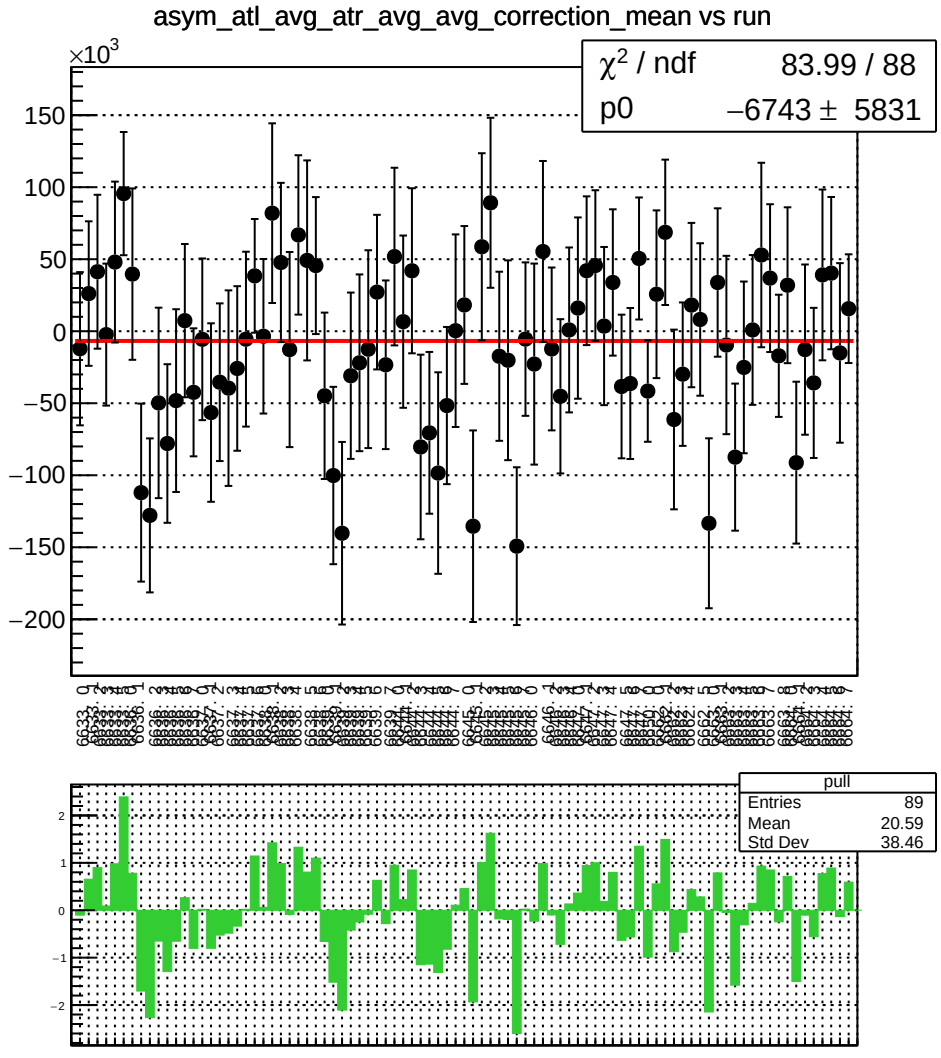

pull1D
Entries 89
Mean −0.02444
Std Dev 0.9713
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

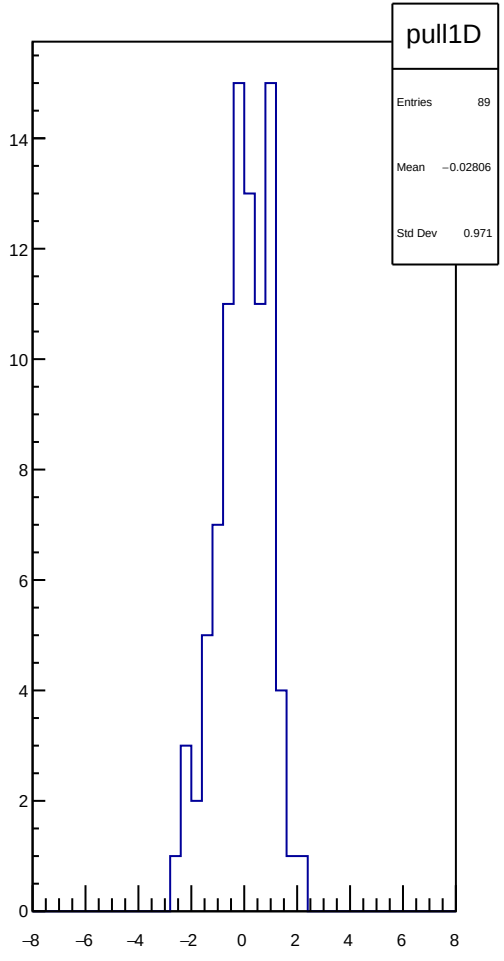

asym_atr_dd_rms vs run
χ² / ndf 1.652e+04 / 88
p0 4090 ± 3.136
6000
5500
5000
4500
4000
3500

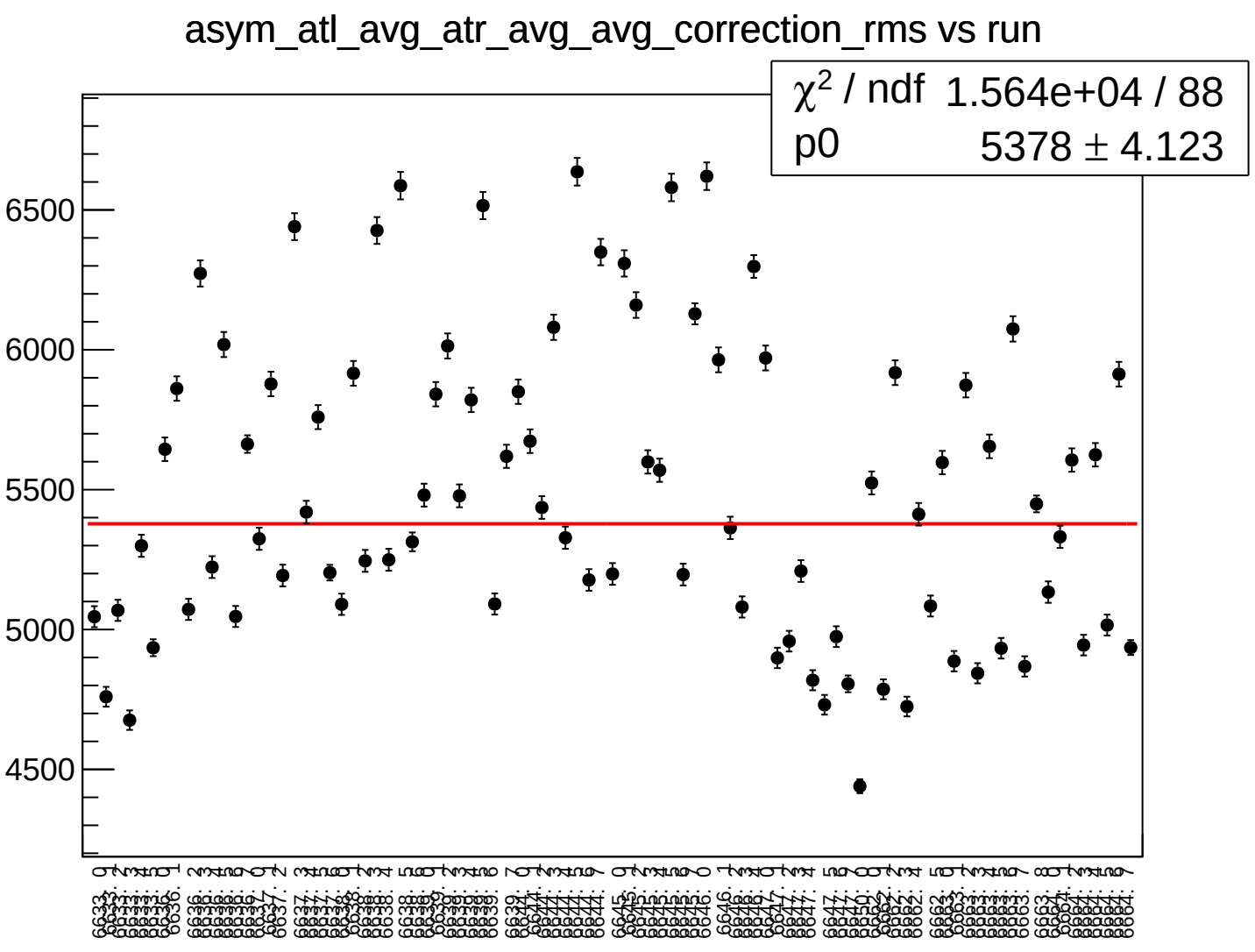

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 99.21 / 88
p0 −5790 ± 1658
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 122.5
Std Dev 43.18
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

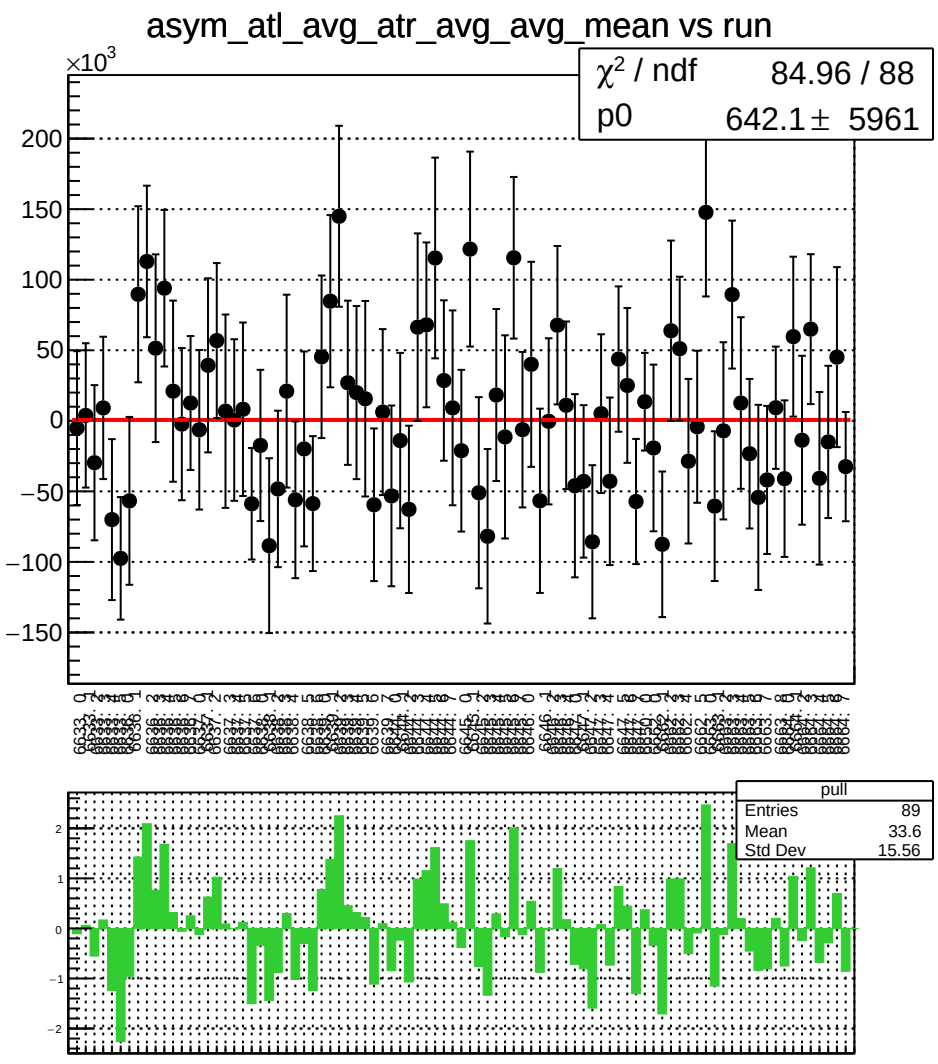

pull1D
Entries 89
Mean 0.01252
Std Dev 1.056
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

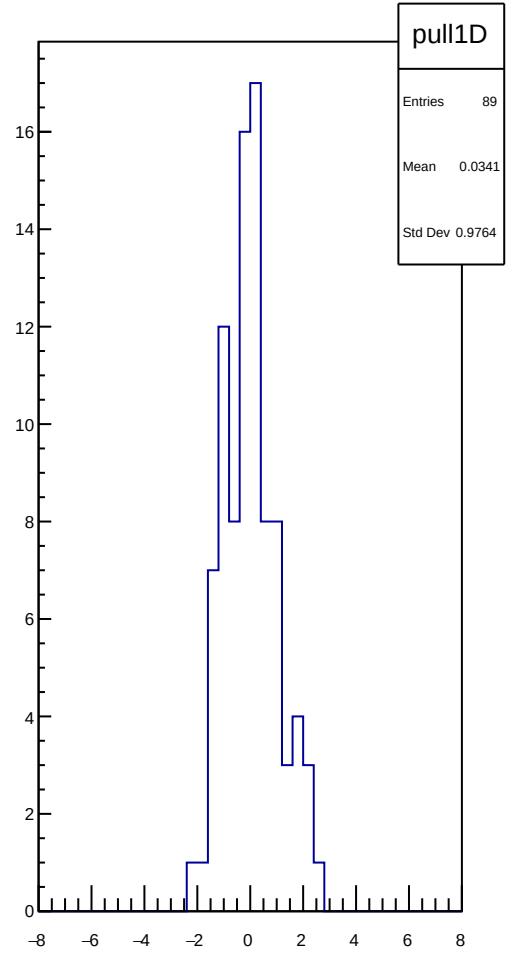

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 9940 / 88
p0 1532 ± 1.172
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

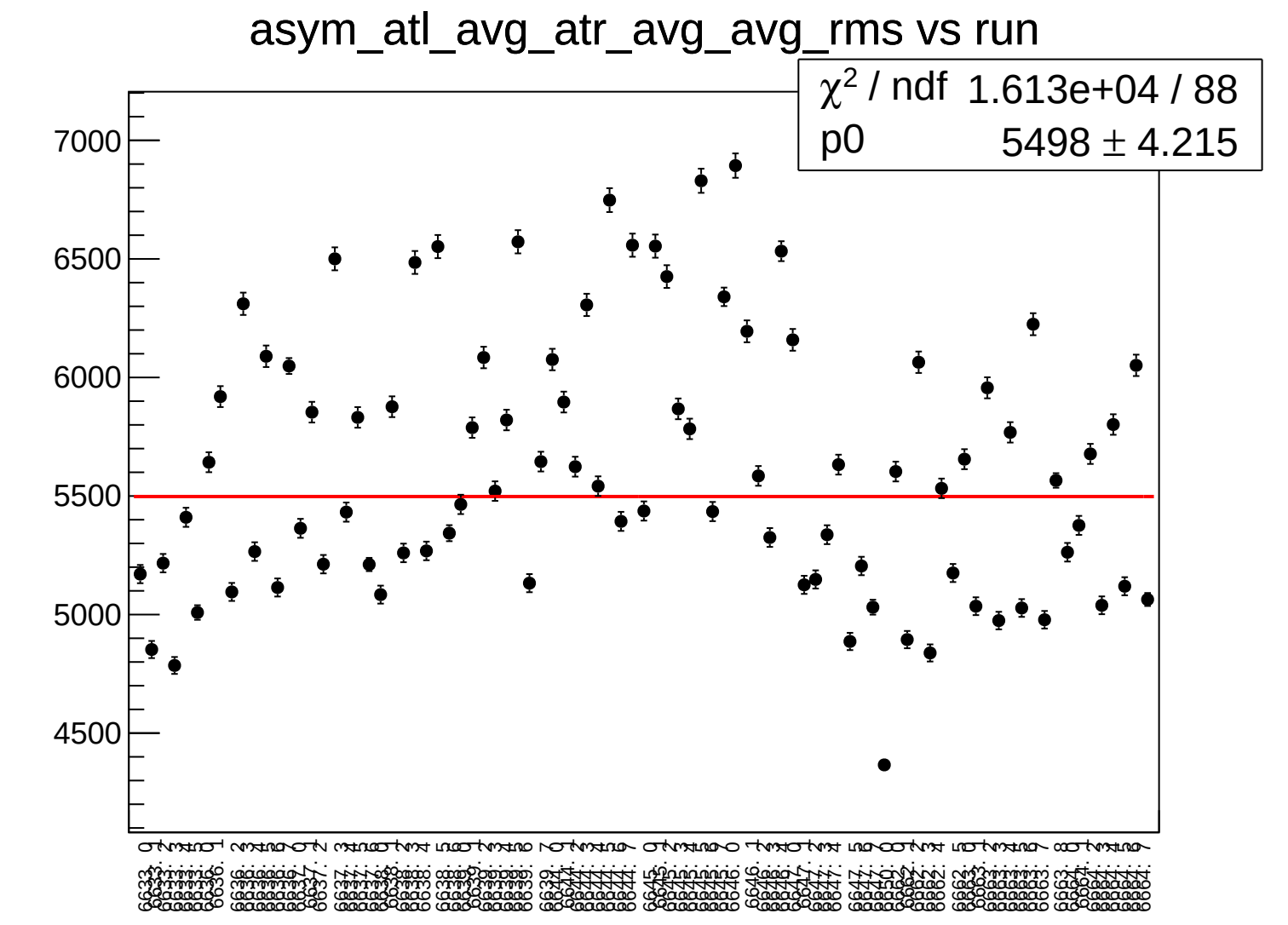

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 83.99 / 88
p0 −6743 ± 5831
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 20.59
Std Dev 38.46
2
1
0
−1
−2

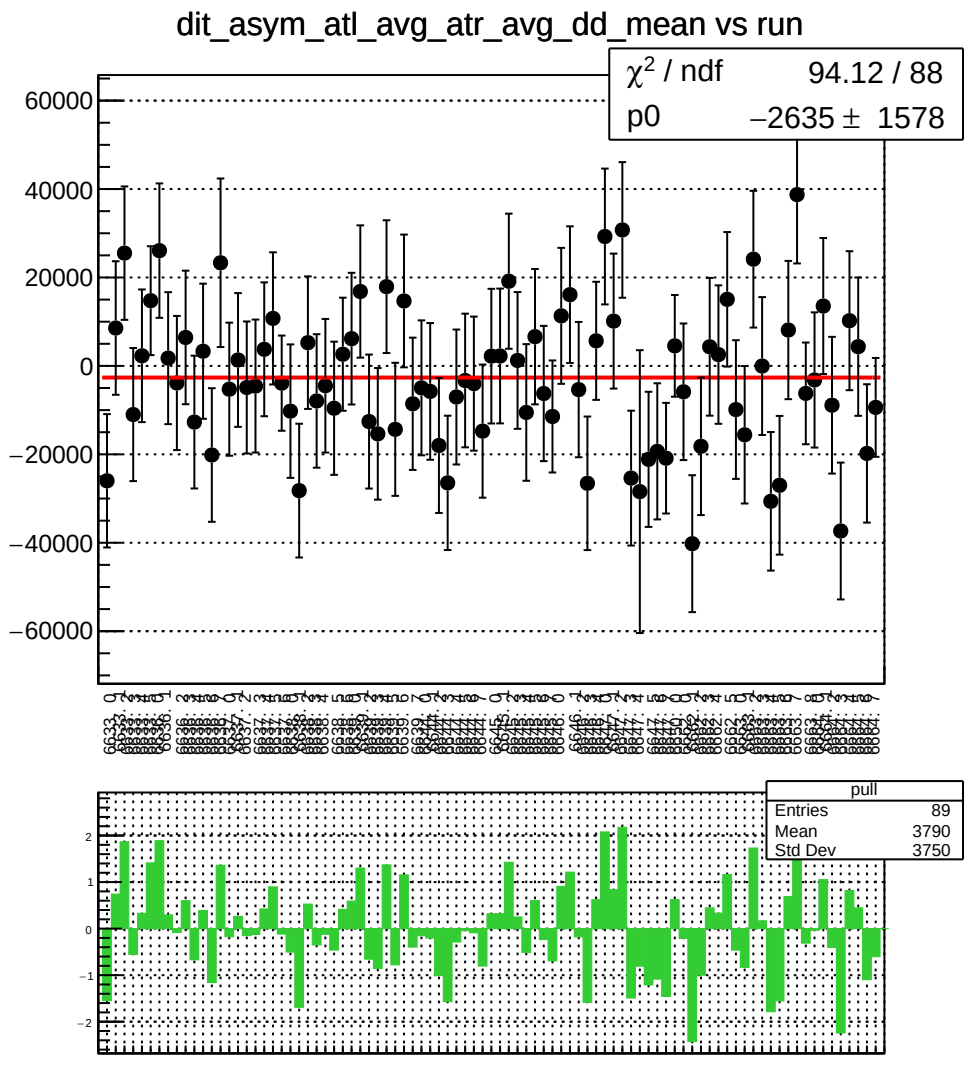

pull1D
Entries 89
Mean −0.02806
Std Dev 0.971
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

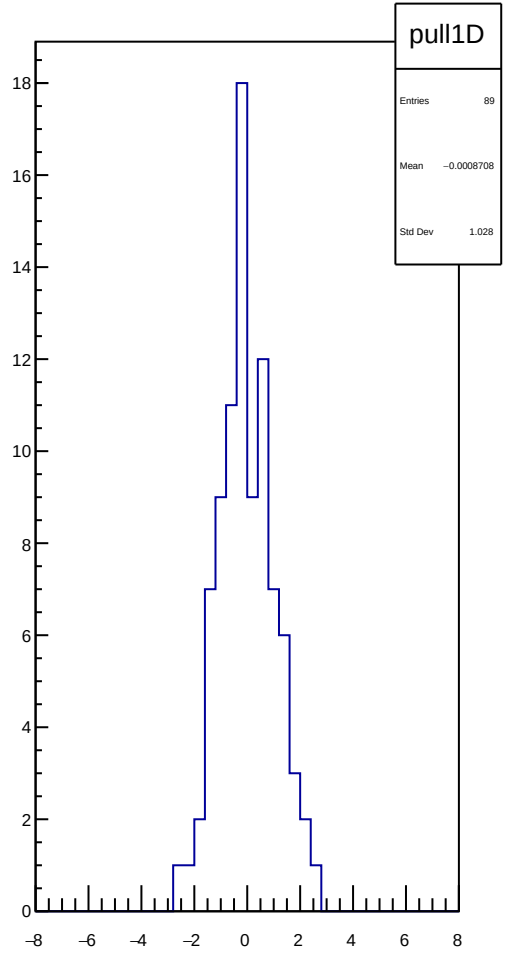

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1.564e+04 / 88
p0 5378 ± 4.123
6500
6000
5500
5000
4500

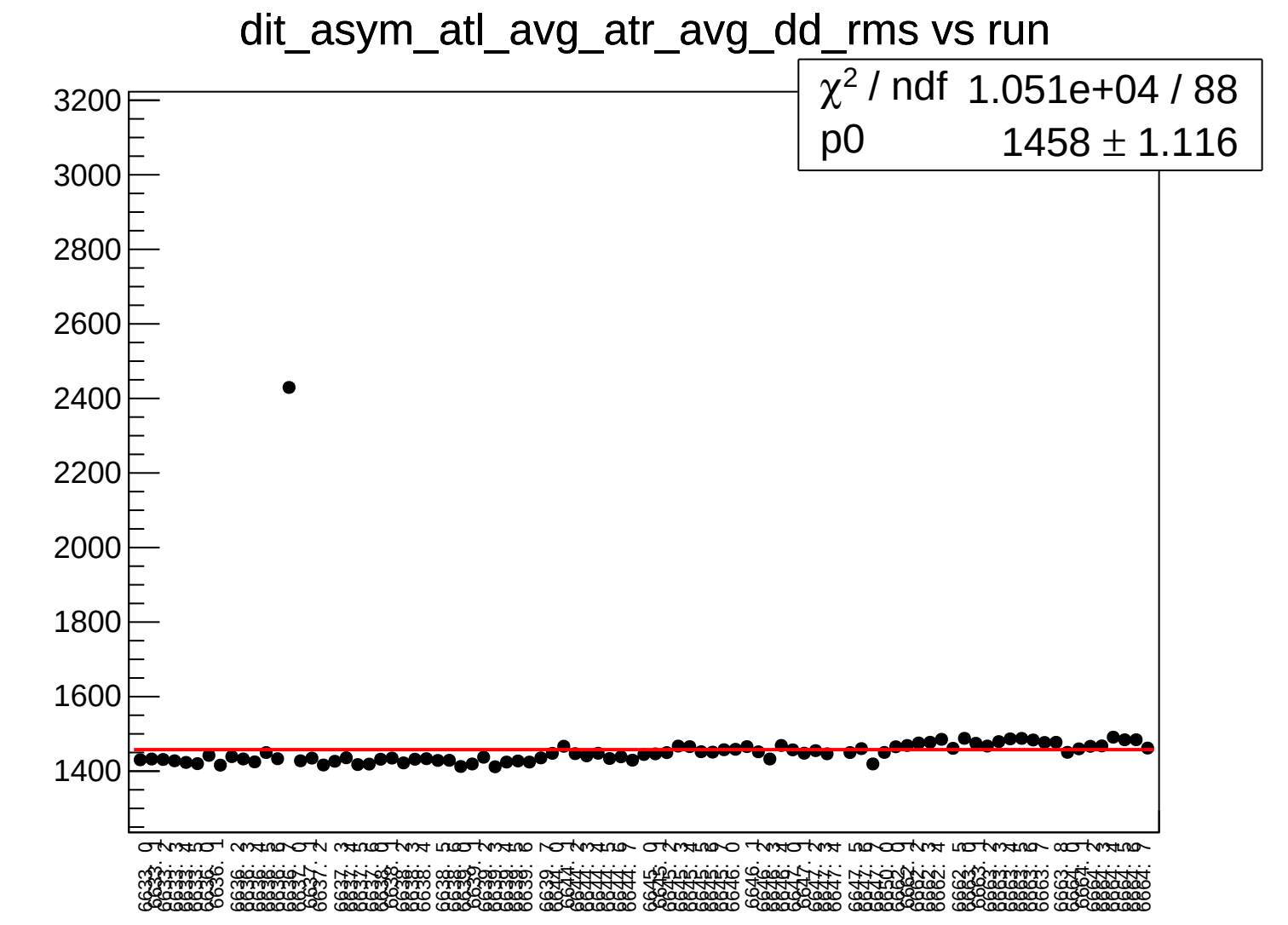

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 84.96 / 88
p0 642.1 ± 5961
200
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 33.6
Std Dev 15.56
2
1
0
−1
−2

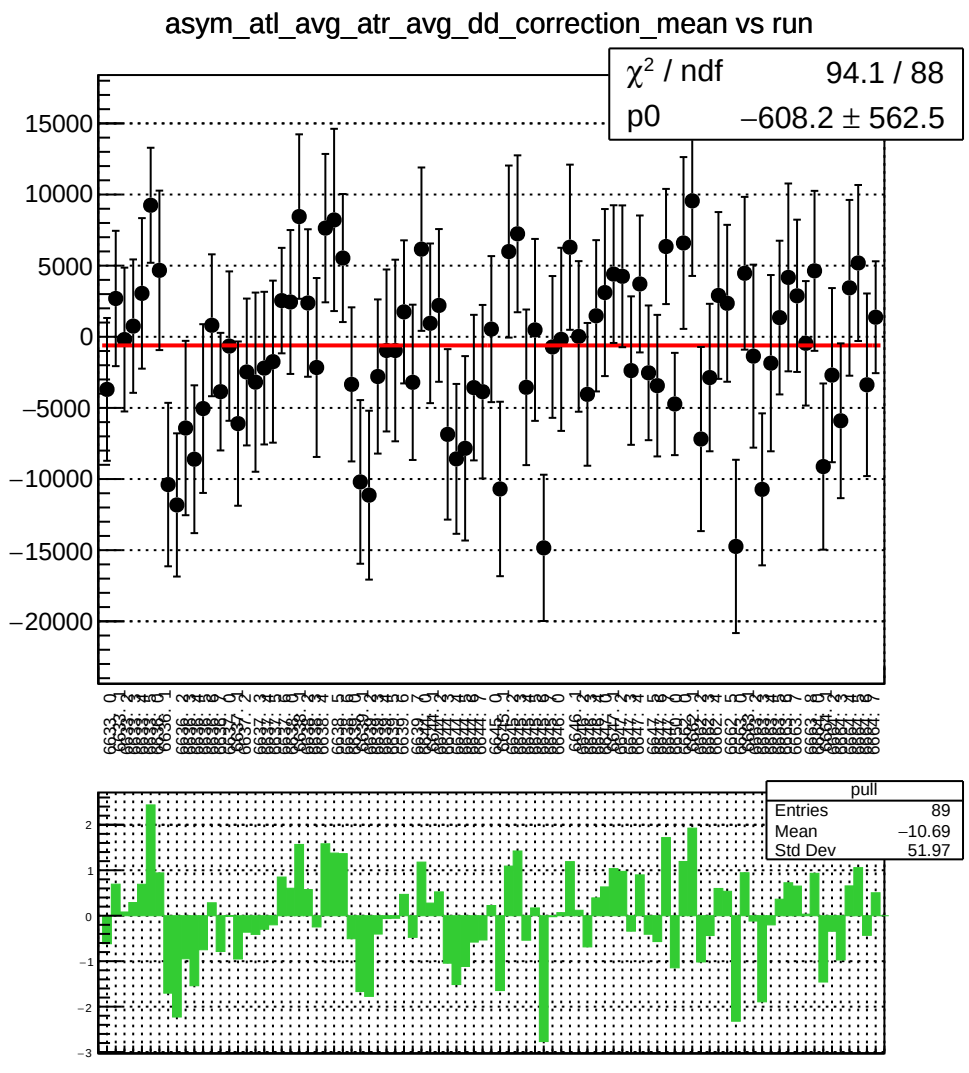

pull1D
Entries 89
Mean 0.0341
Std Dev 0.9764
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

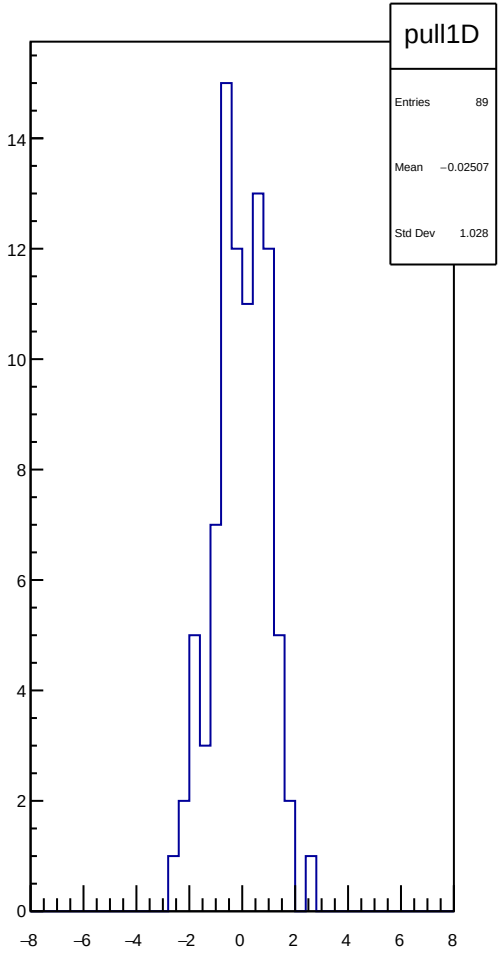

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.613e+04 / 88
p0 5498 ± 4.215
7000
6500
6000
5500
5000
4500

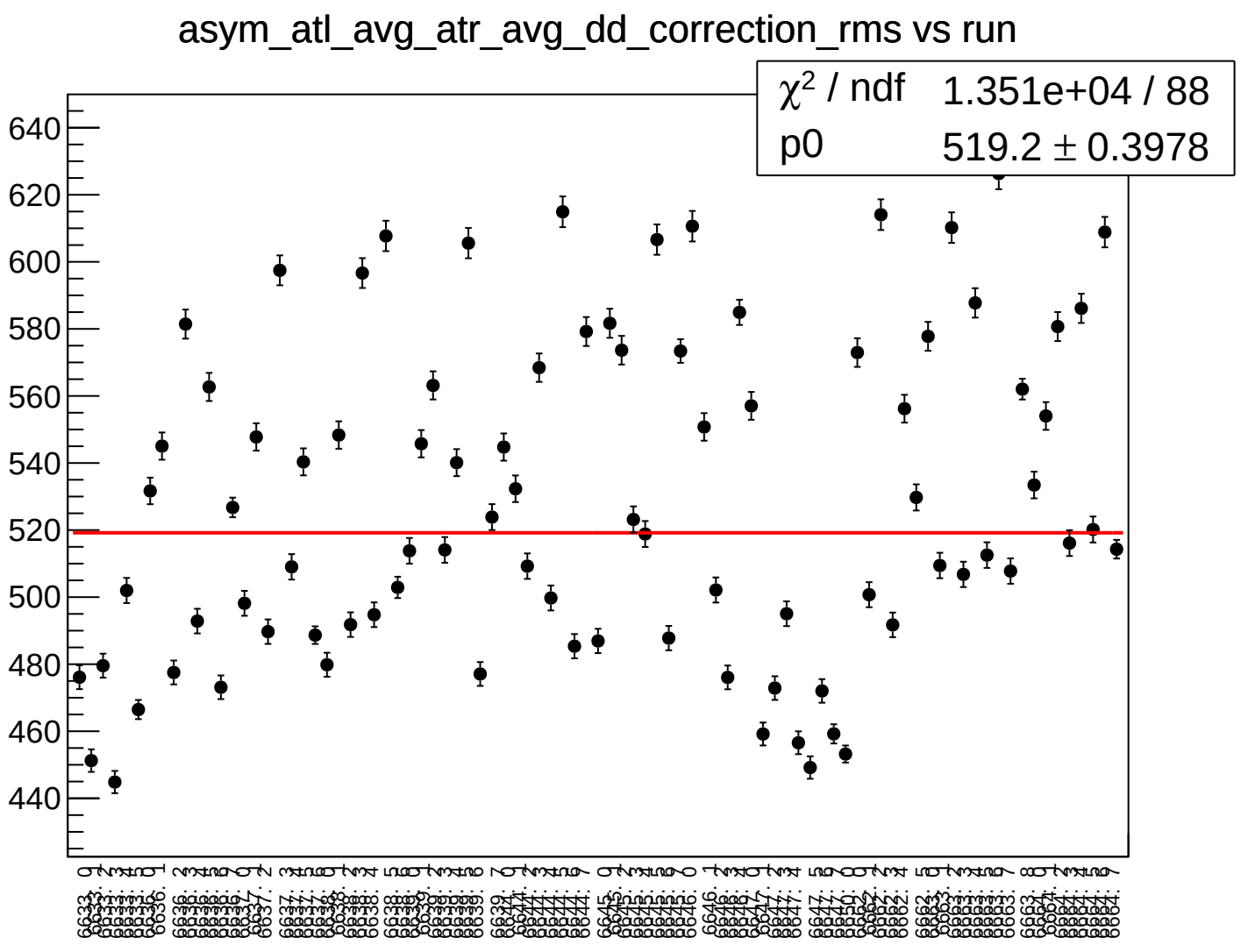

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 94.12 / 88
p0 −2635 ± 1578
pull
Entries 89
Mean 3790
Std Dev 3750

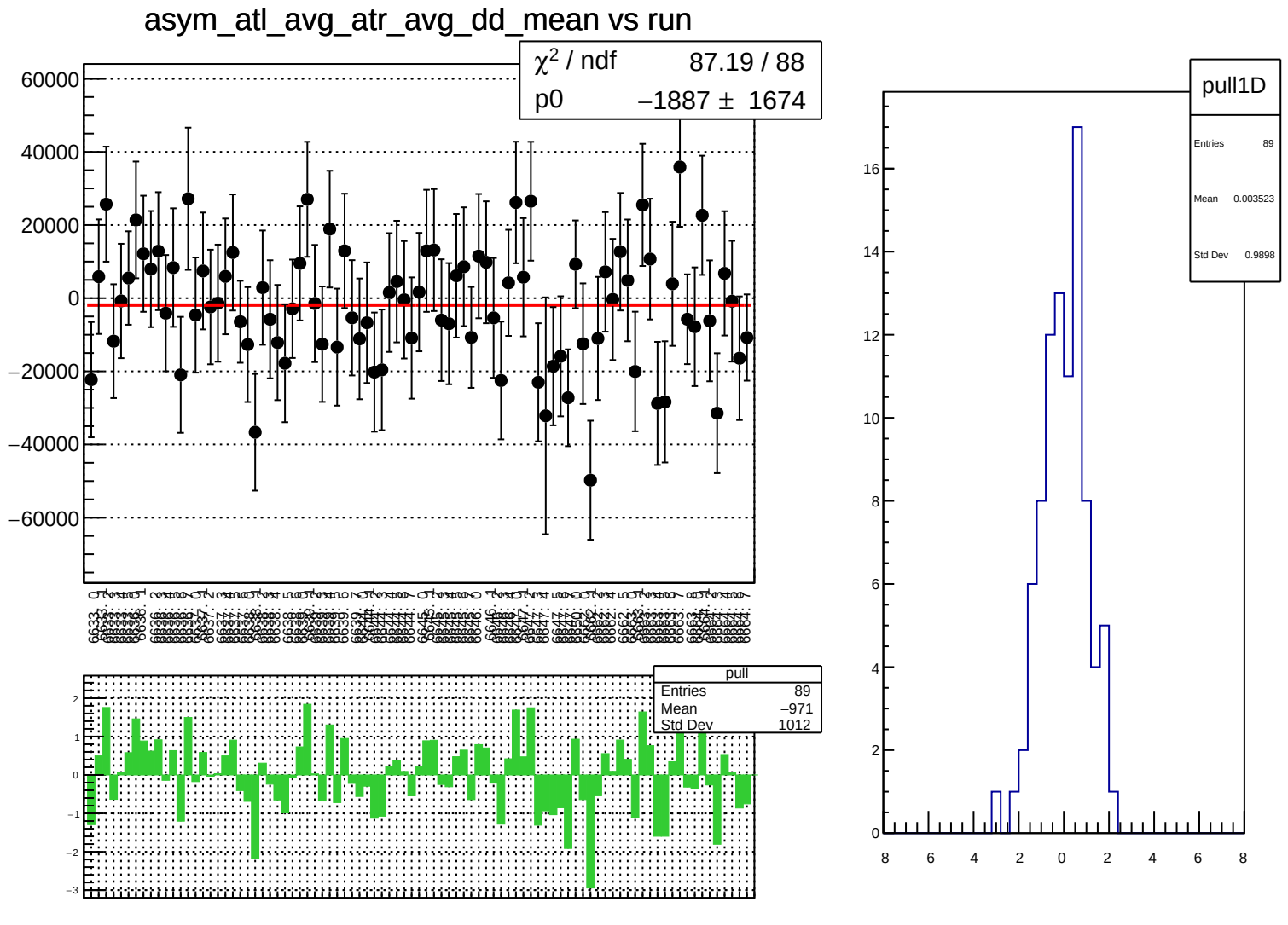

pull1D
Entries 89
Mean −0.0008708
Std Dev 1.028

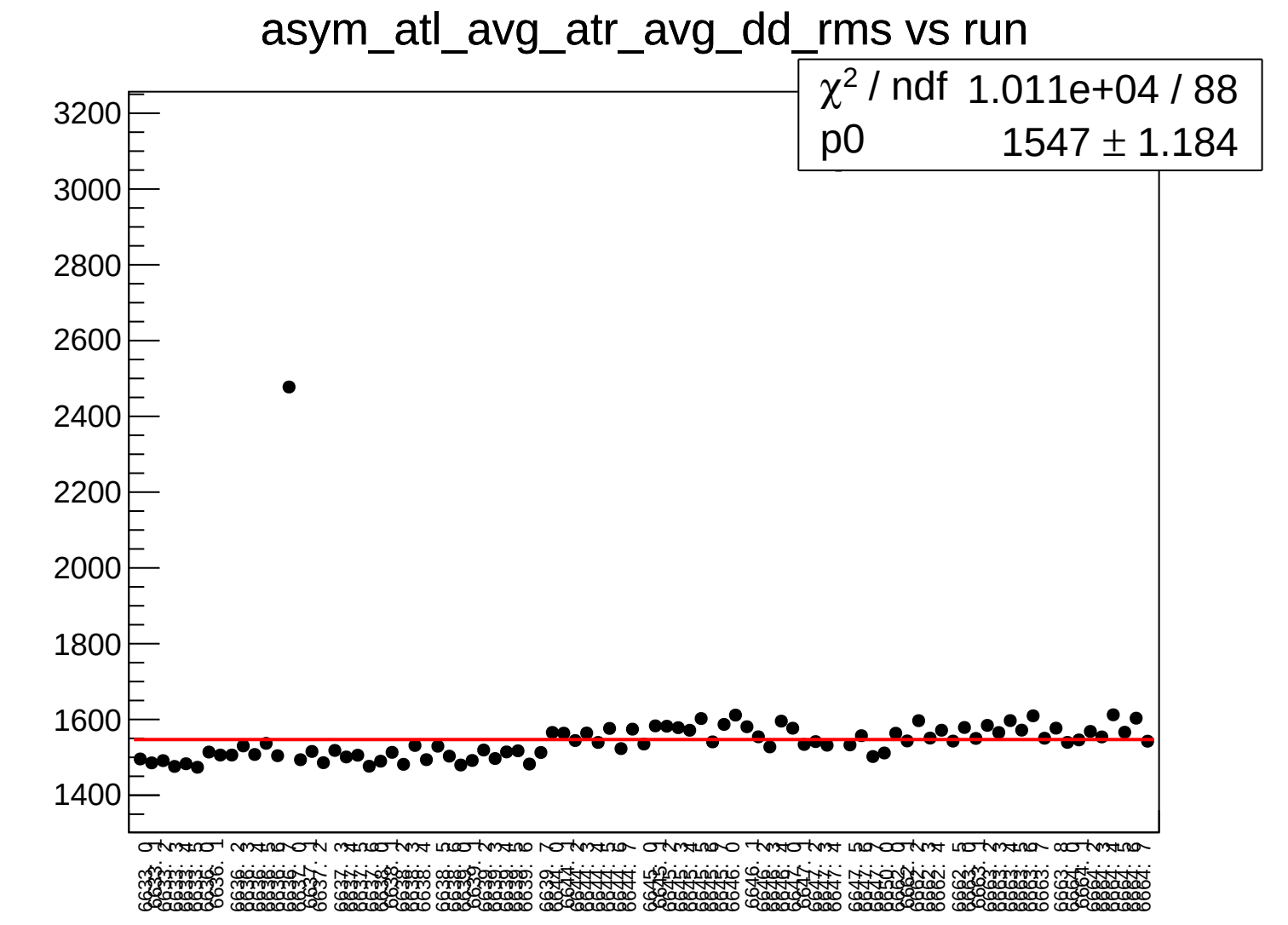

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.051e+04 / 88
p0 1458 ± 1.116
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

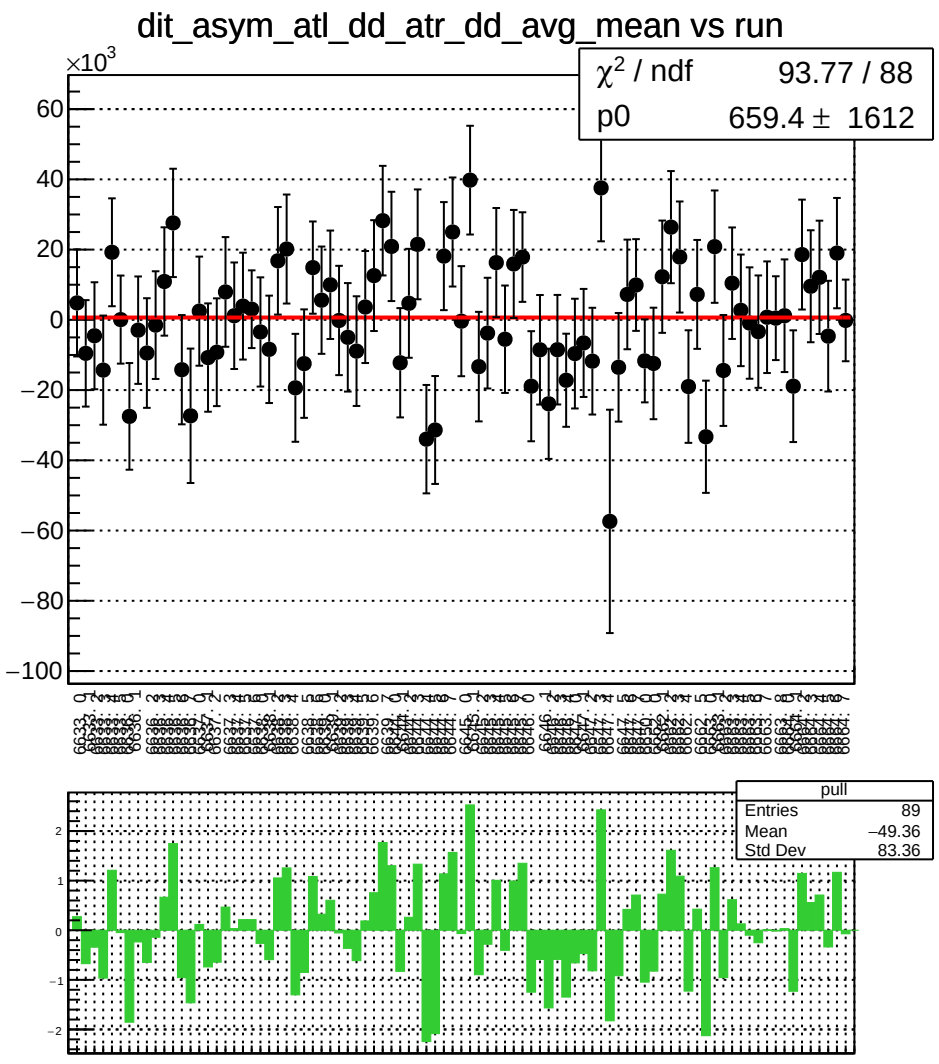

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 94.1 / 88
p0 −608.2 ± 562.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 89
Mean −10.69
Std Dev 51.97
2
1
0
−1
−2
−3

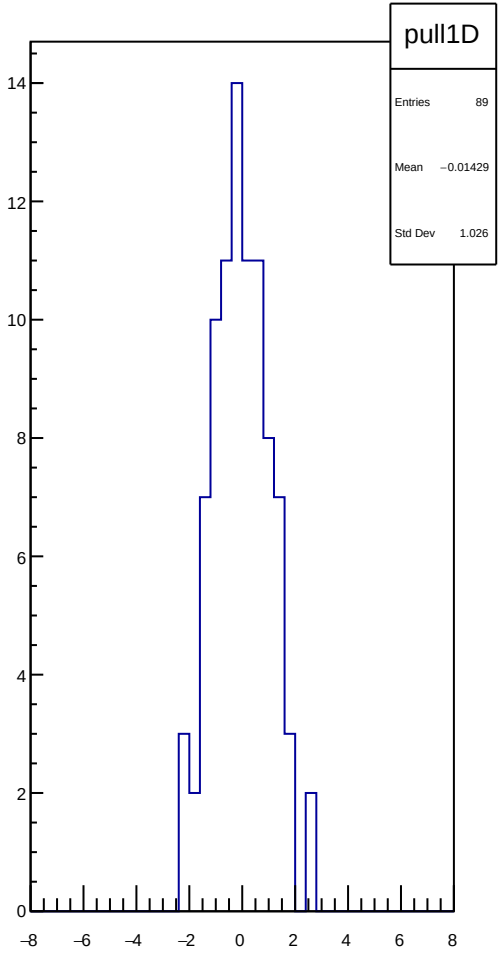

pull1D
Entries 89
Mean −0.02507
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

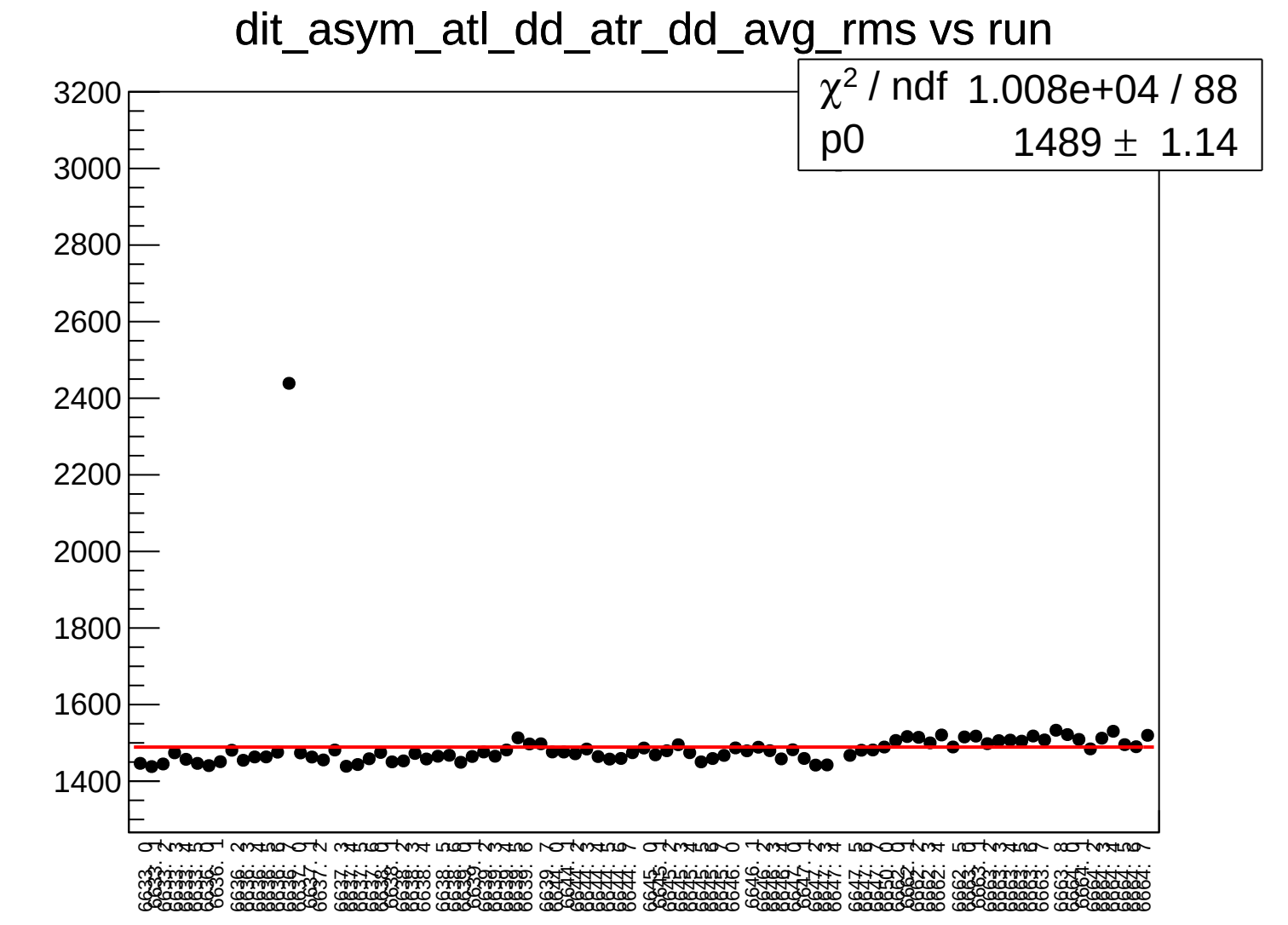

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.351e+04 / 88
p0 519.2 ± 0.3978
640
620
600
580
560
540
520
500
480
460
440

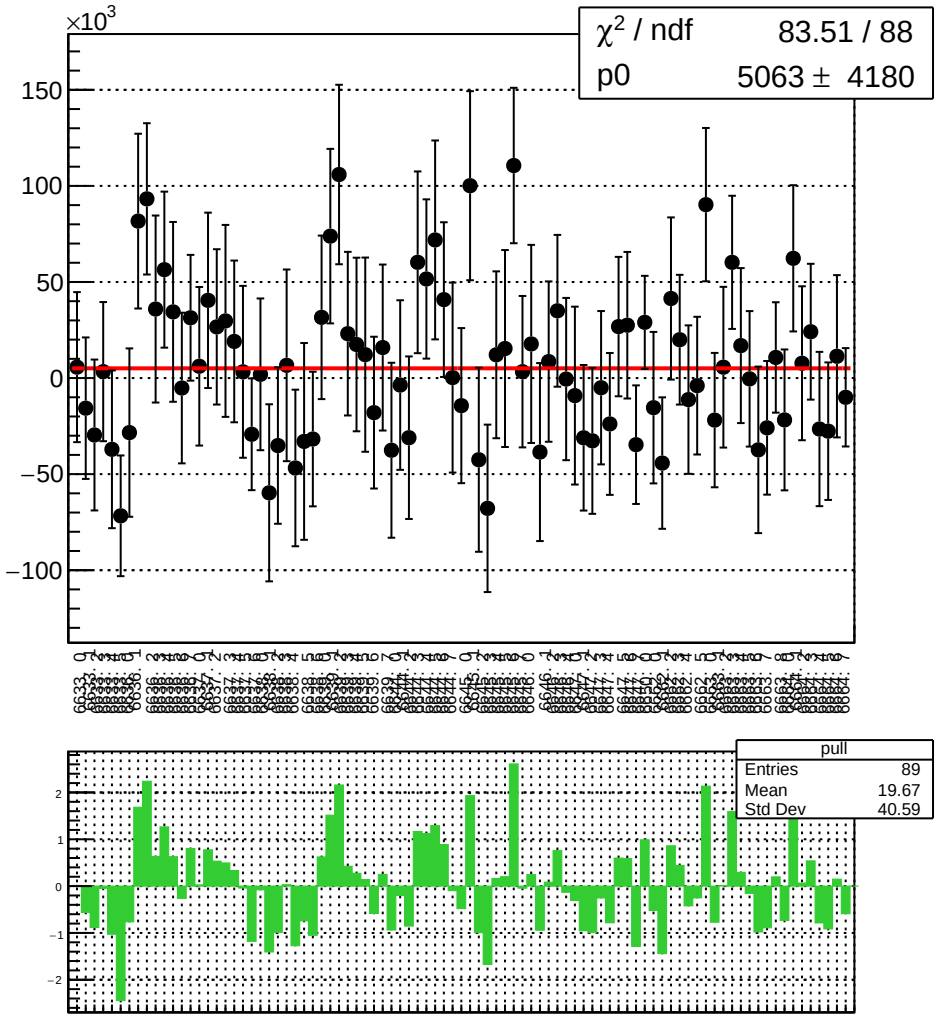

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 87.19 / 88
p0 −1887 ± 1674
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −971
Std Dev 1012
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.003523
Std Dev 0.9898
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

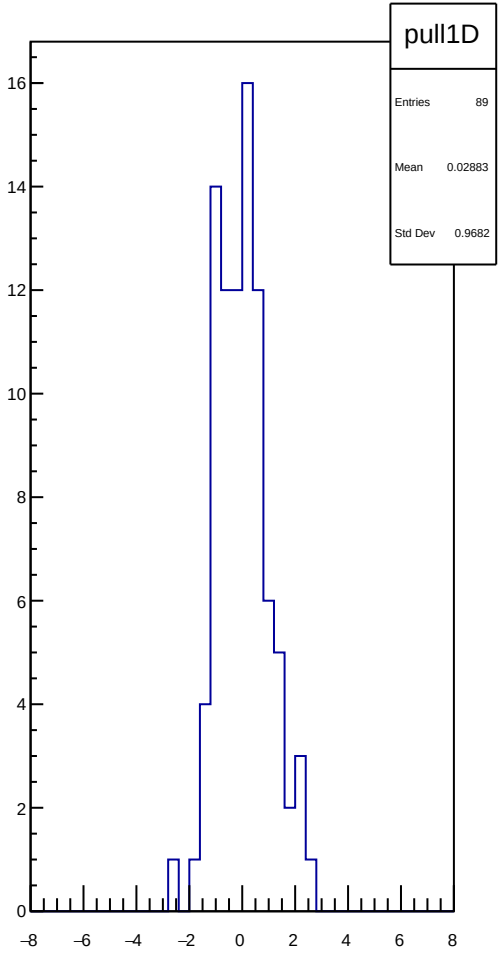

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.011e+04 / 88
p0 1547 ± 1.184
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

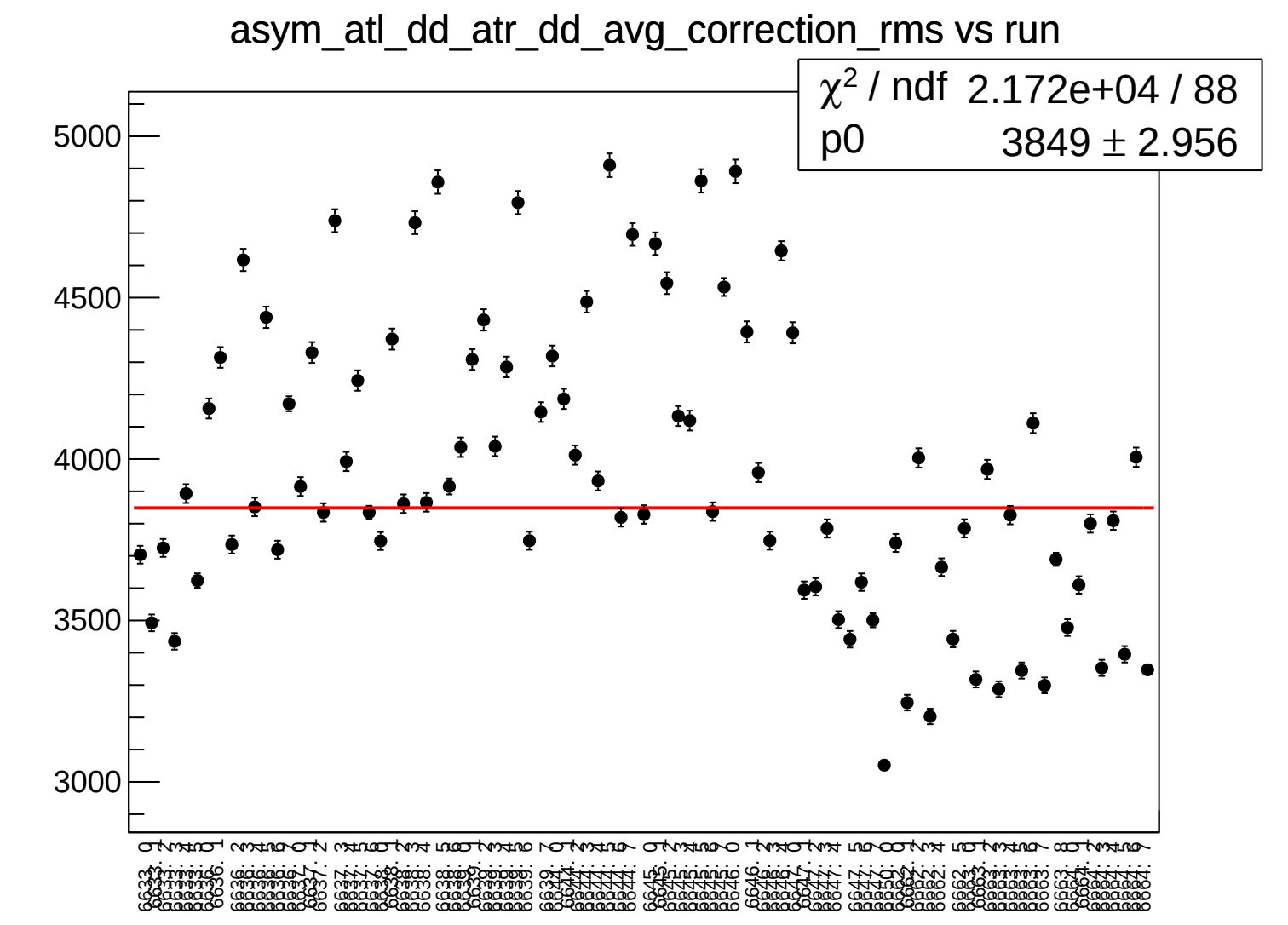

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 93.77 / 88
p0 659.4 ± 1612
pull
Entries 89
Mean −49.36
Std Dev 83.36

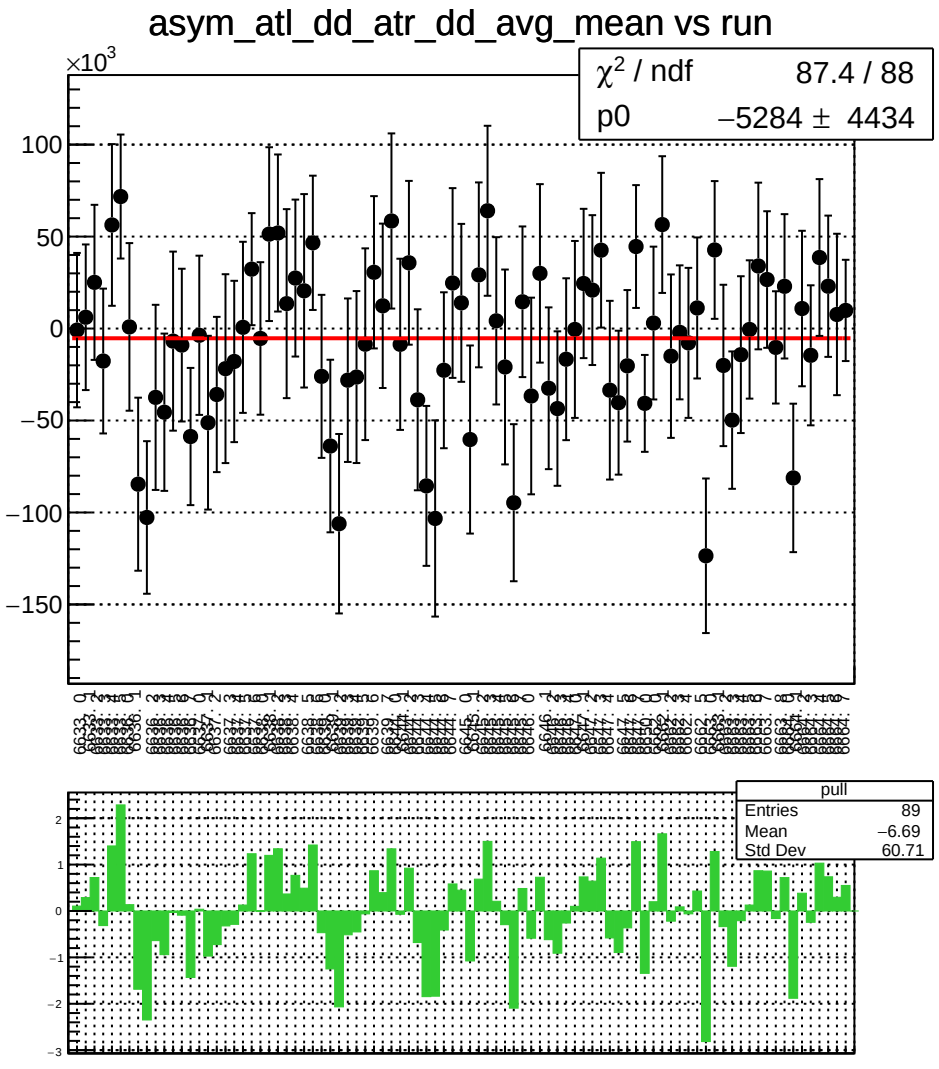

pull1D
Entries 89
Mean −0.01429
Std Dev 1.026

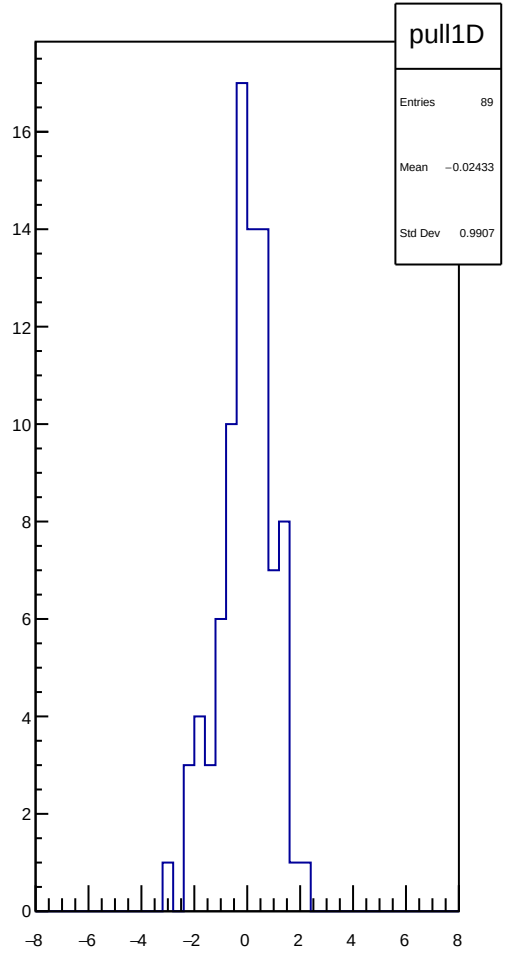

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.008e+04 / 88
p0 1489 ± 1.14
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

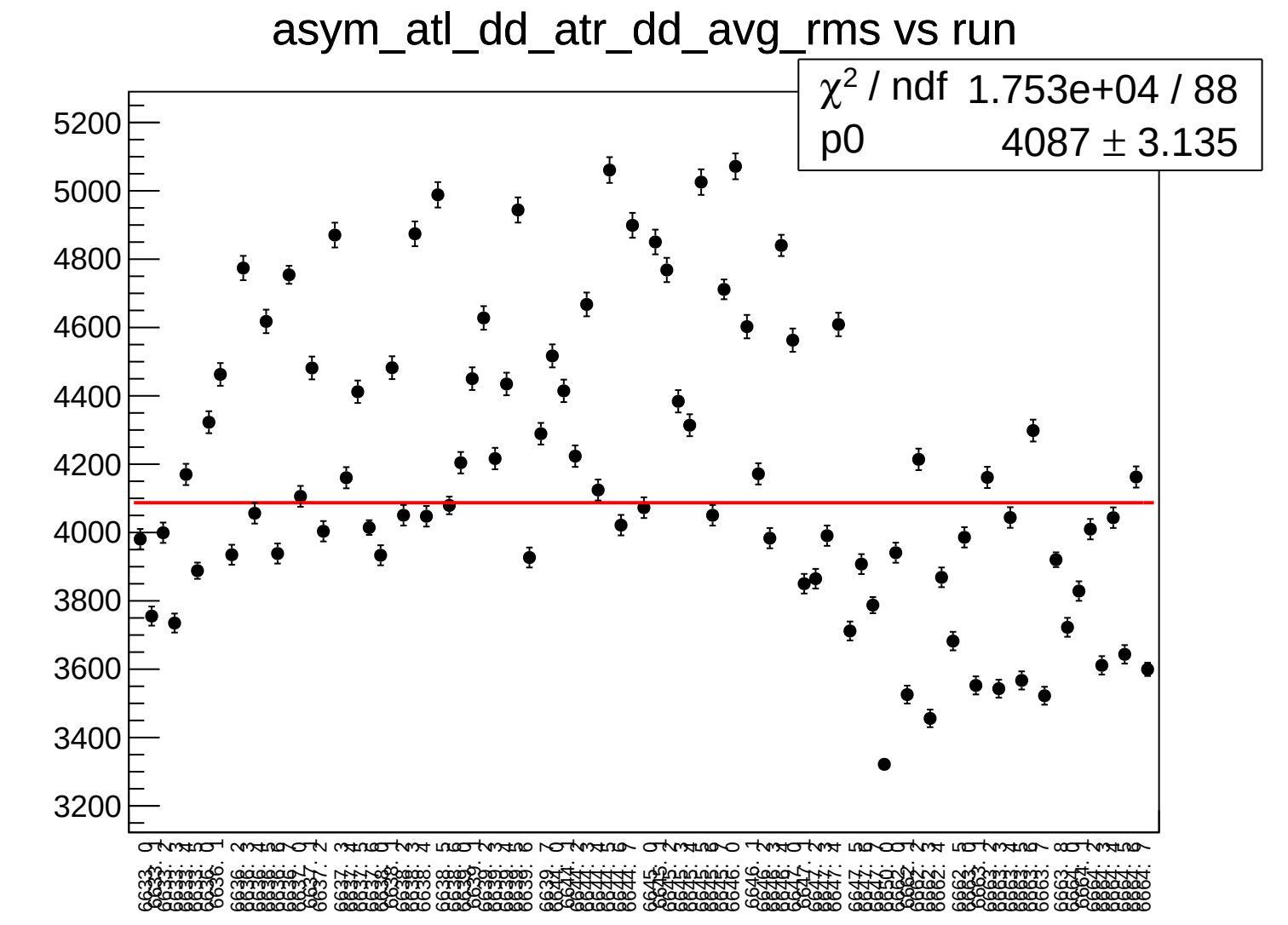

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ^2 / ndf 83.51 / 88
p0 5063 ± 4180
150
100
50
0
−50
−100
pull
Entries 89
Mean 19.67
Std Dev 40.59
2
1
0
−1
−2

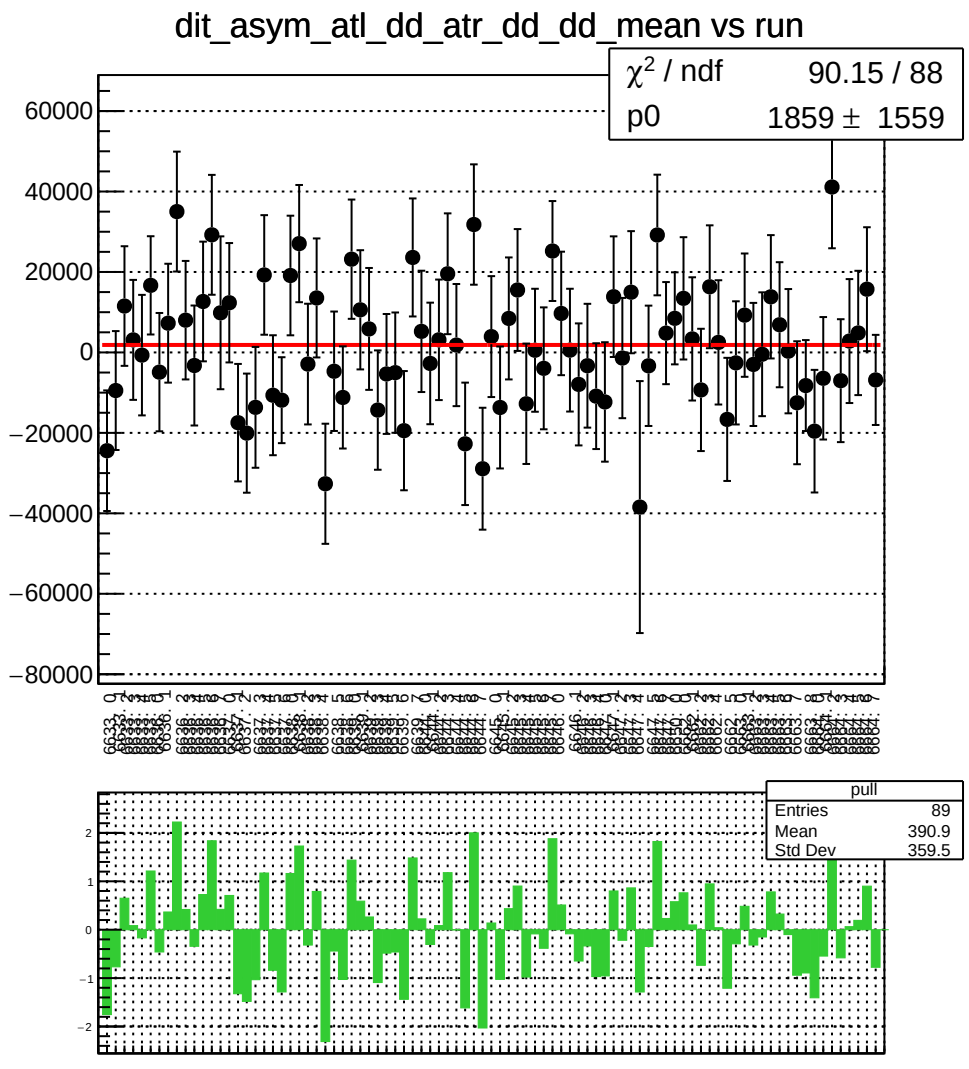

pull1D
Entries 89
Mean 0.02883
Std Dev 0.9682
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

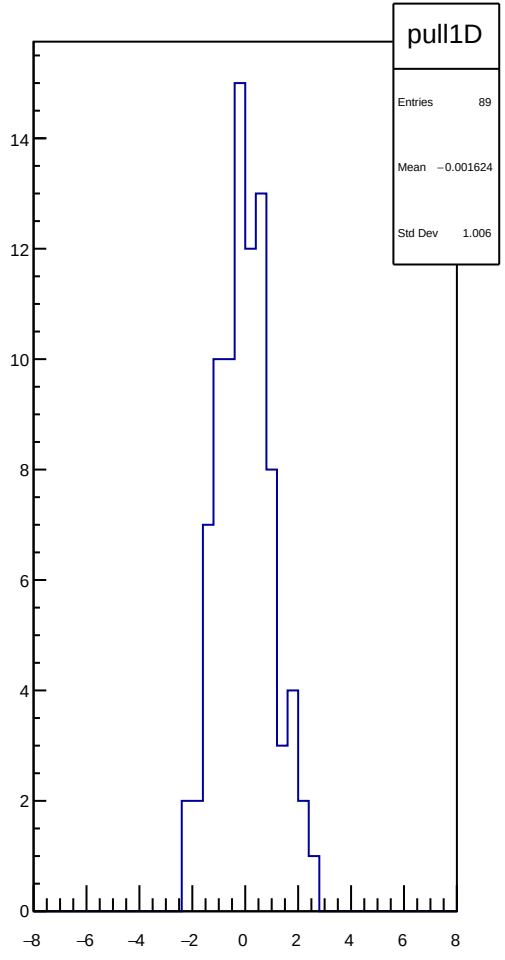

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 2.172e+04 / 88
p0 3849 ± 2.956
5000
4500
4000
3500
3000

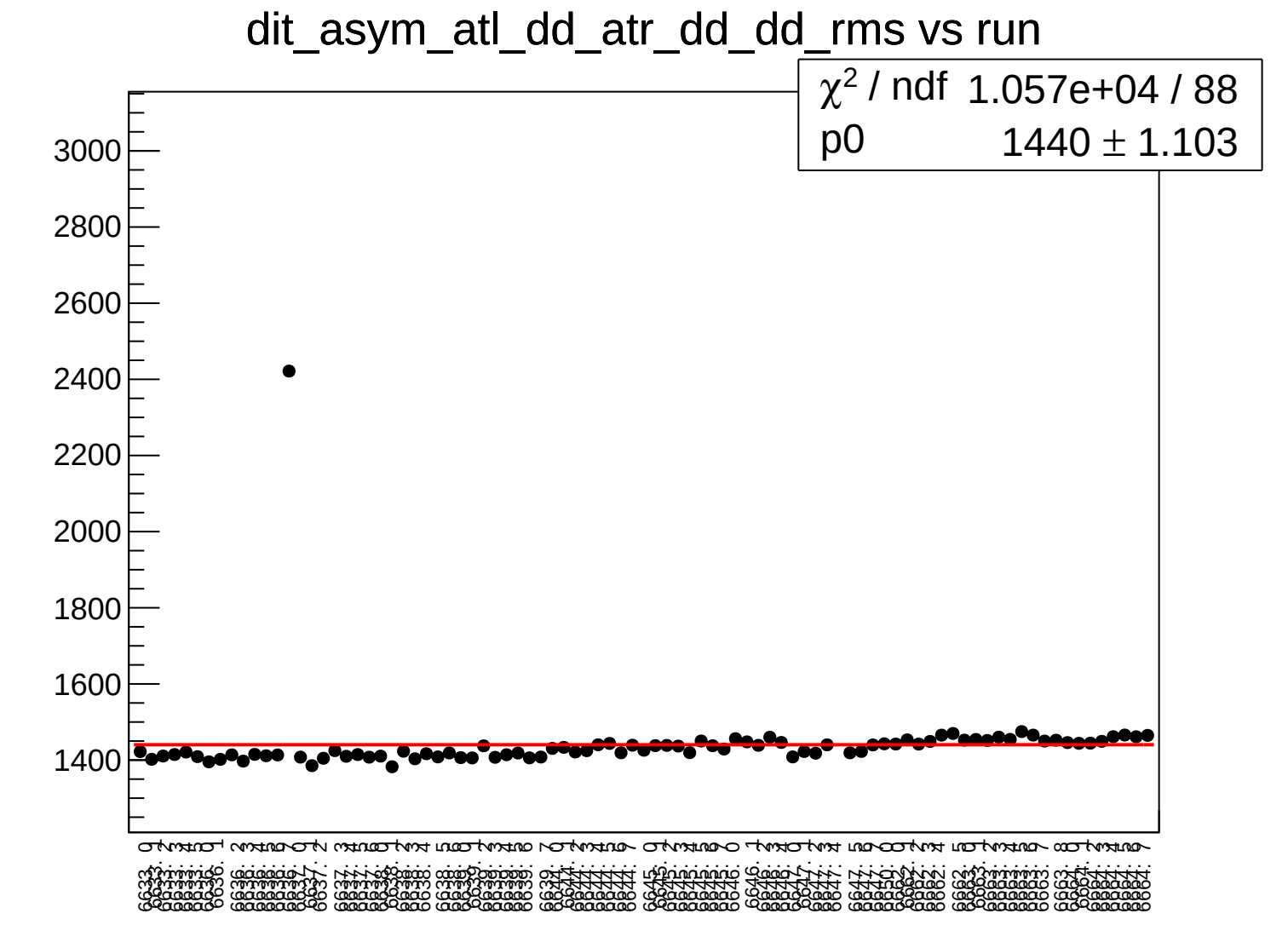

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 87.4 / 88
p0 −5284 ± 4434
100
50
0
−50
−100
−150
pull
Entries 89
Mean −6.69
Std Dev 60.71
2
1
0
−1
−2
−3

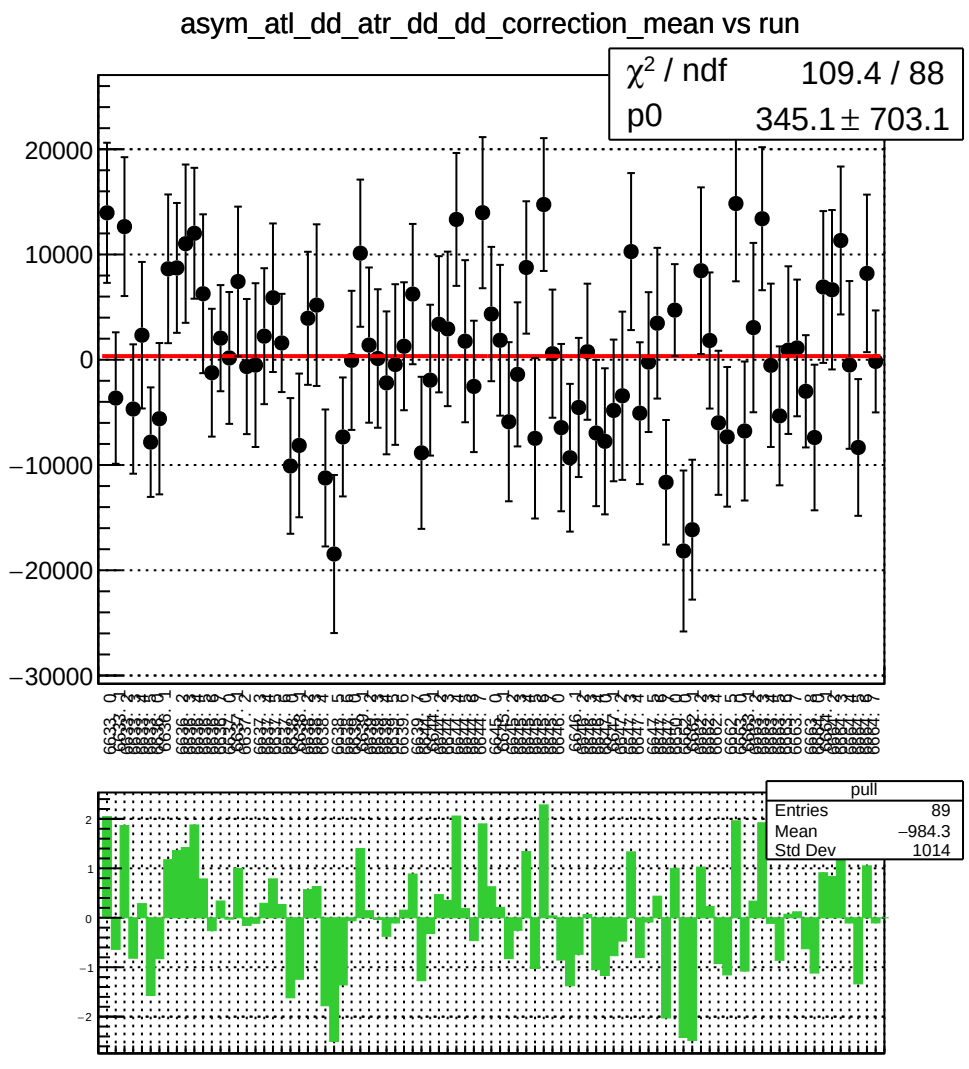

pull1D
Entries 89
Mean −0.02433
Std Dev 0.9907
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

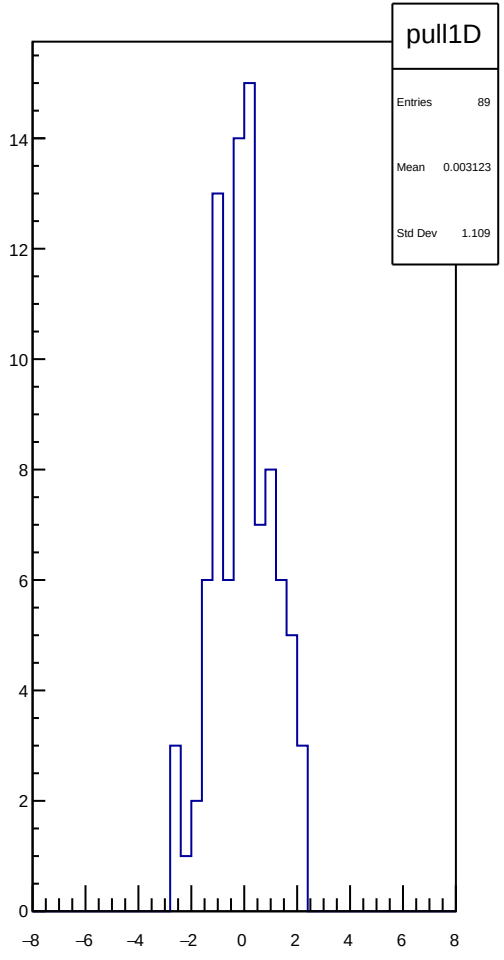

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.753e+04 / 88
p0 4087 ± 3.135
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

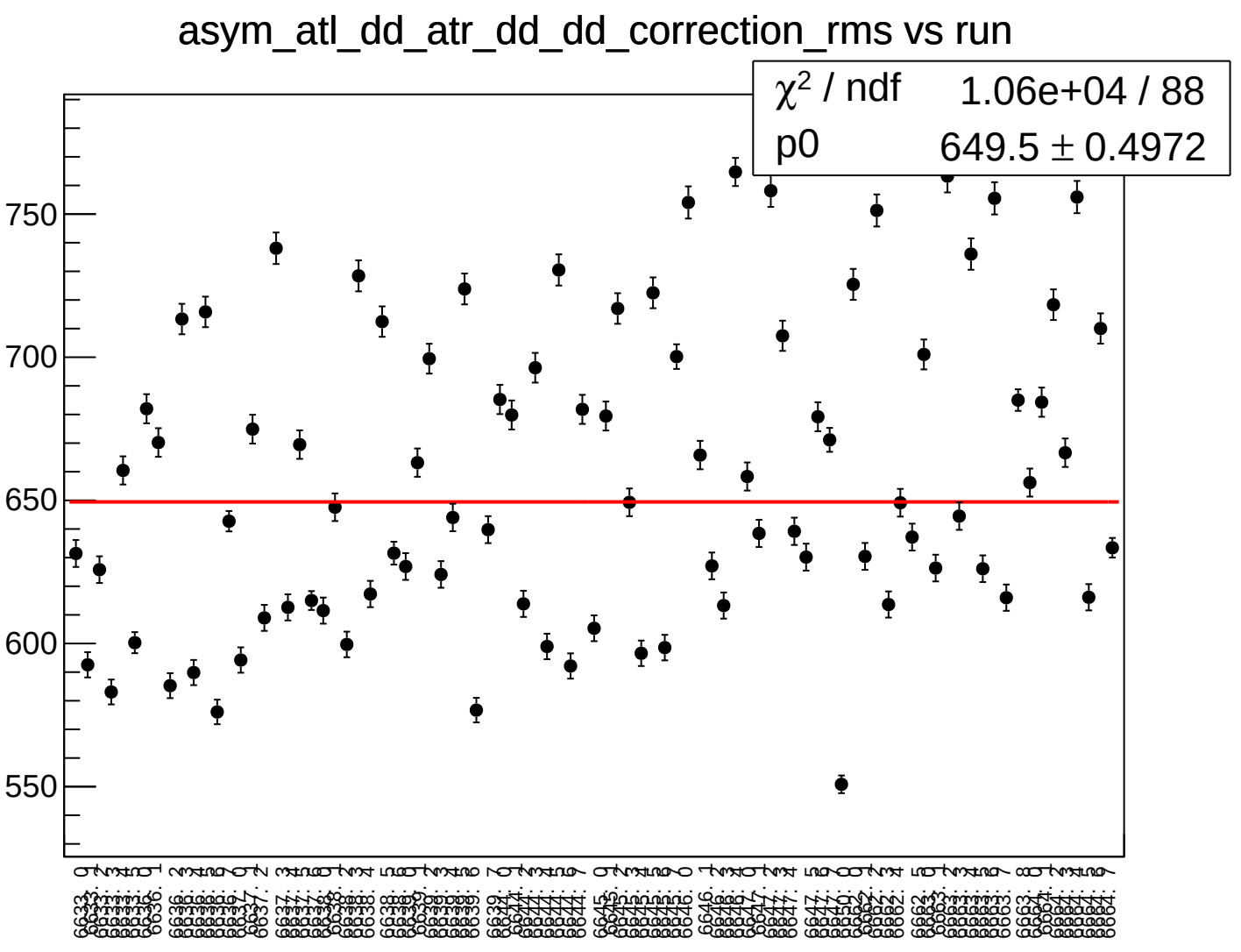

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 90.15 / 88
p0 1859 ± 1559
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 390.9
Std Dev 359.5
2
1
0
−1
−2

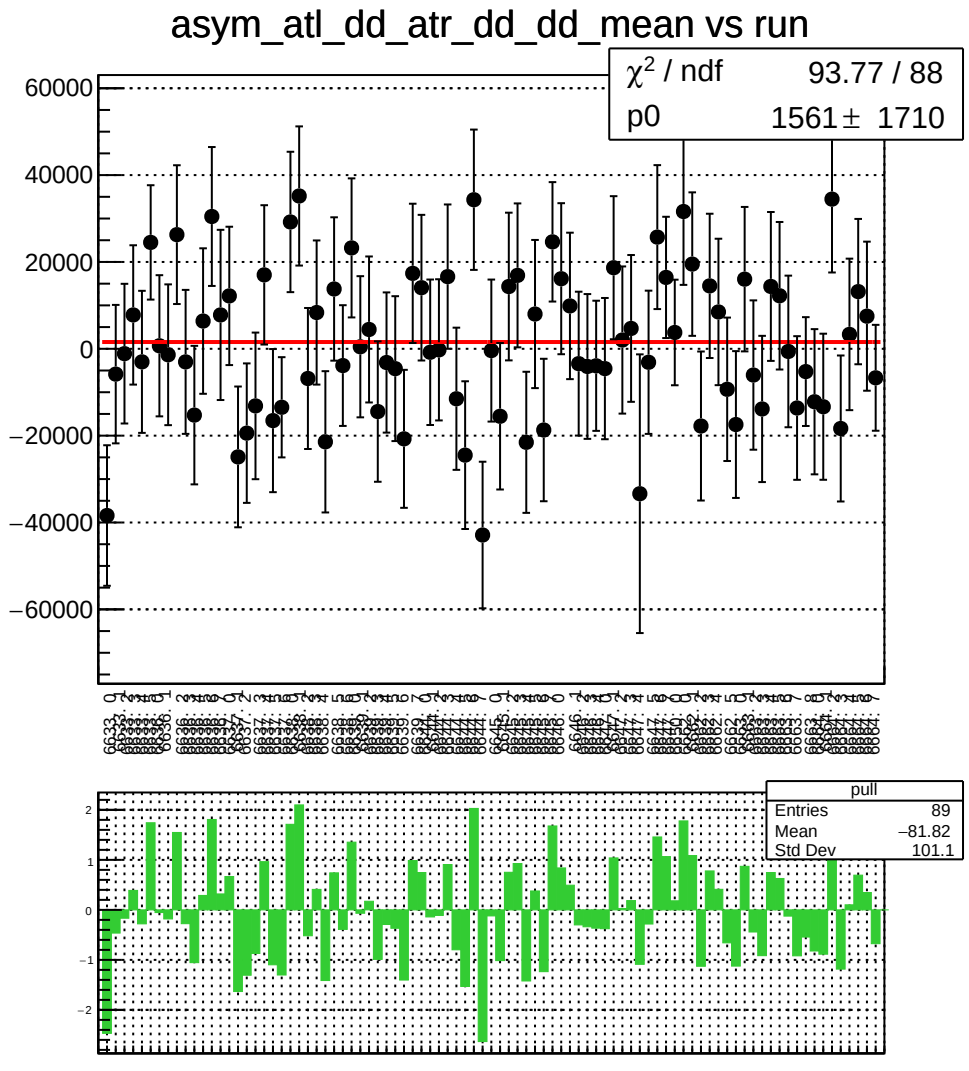

pull1D
Entries 89
Mean −0.001624
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

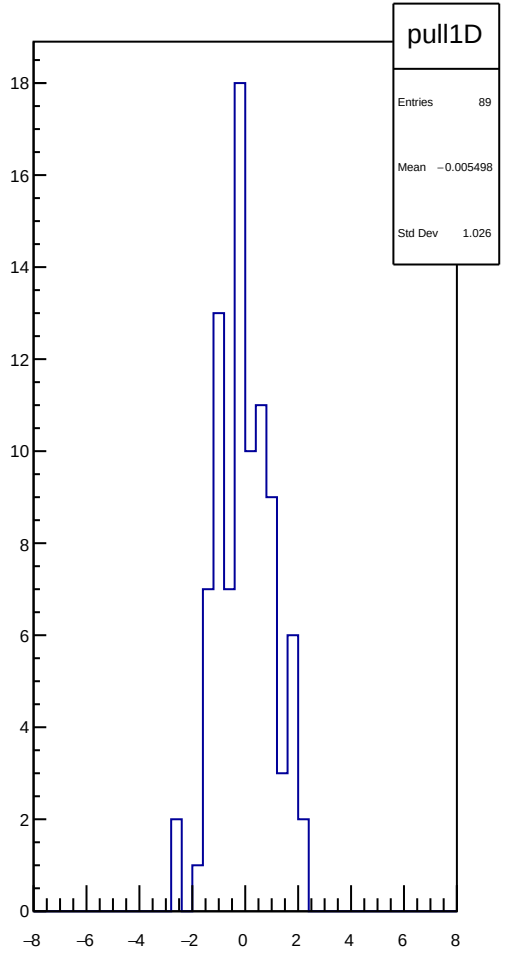

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.057e+04 / 88
p0 1440 ± 1.103
3000
2800
2600
2400
2200
2000
1800
1600
1400

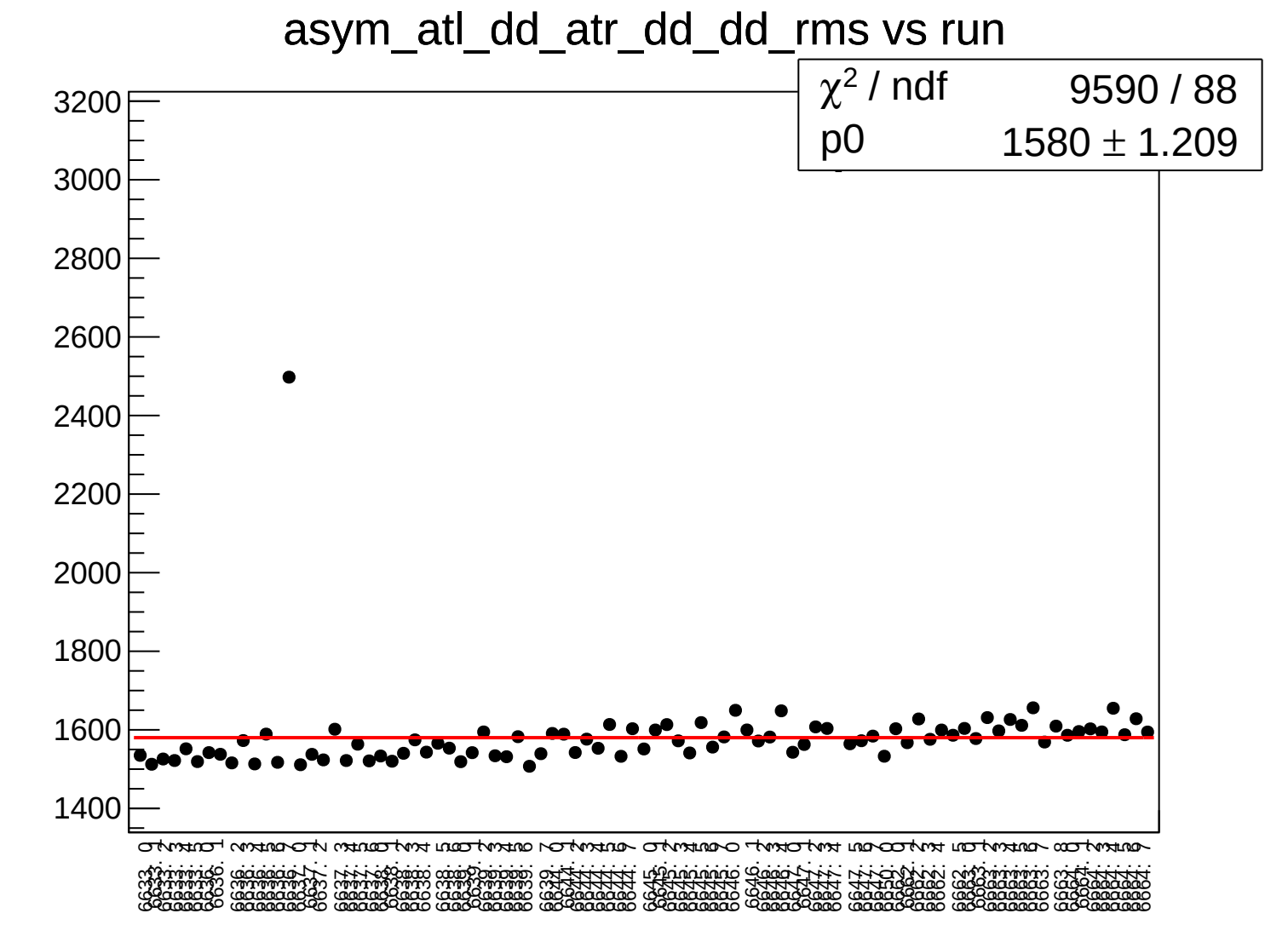

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 109.4 / 88
p0 345.1 ± 703.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −984.3
Std Dev 1014
2
1
0
−1
−2

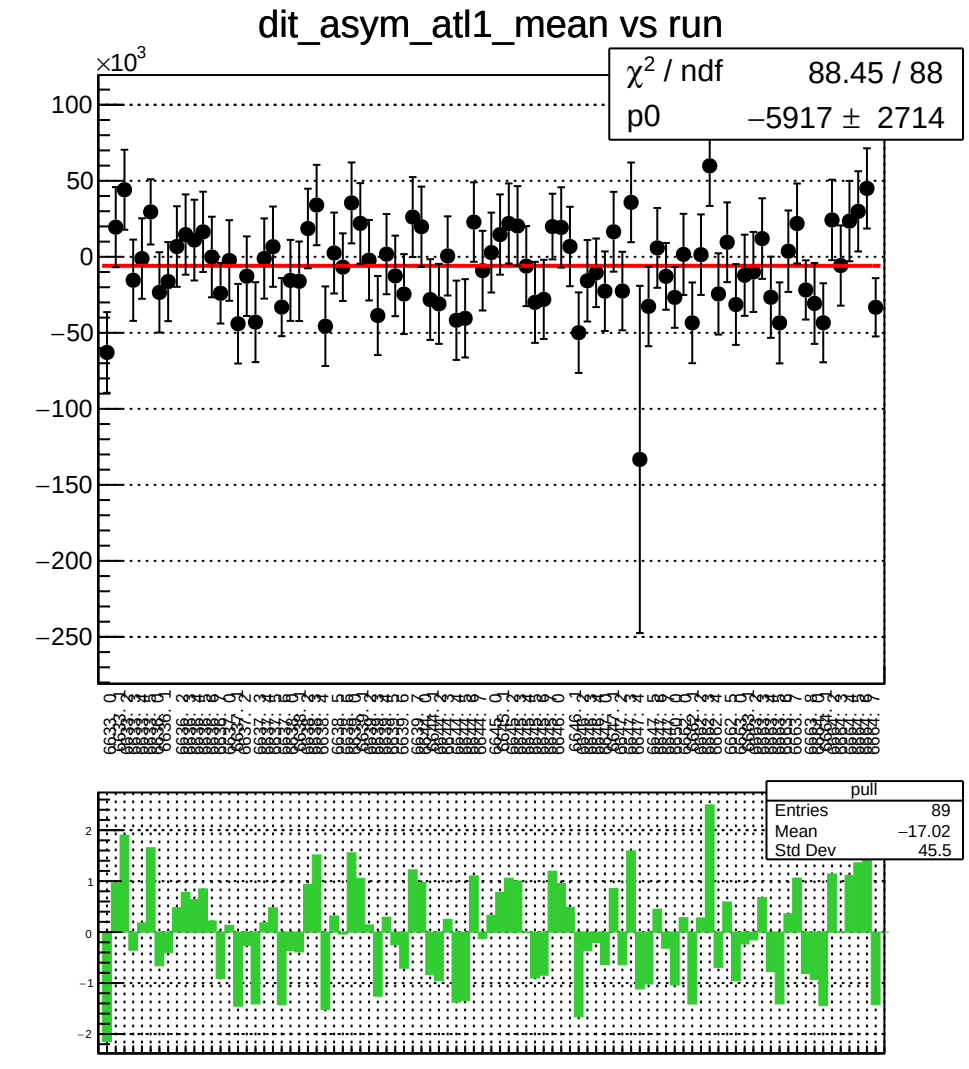

pull1D
Entries 89
Mean 0.003123
Std Dev 1.109
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

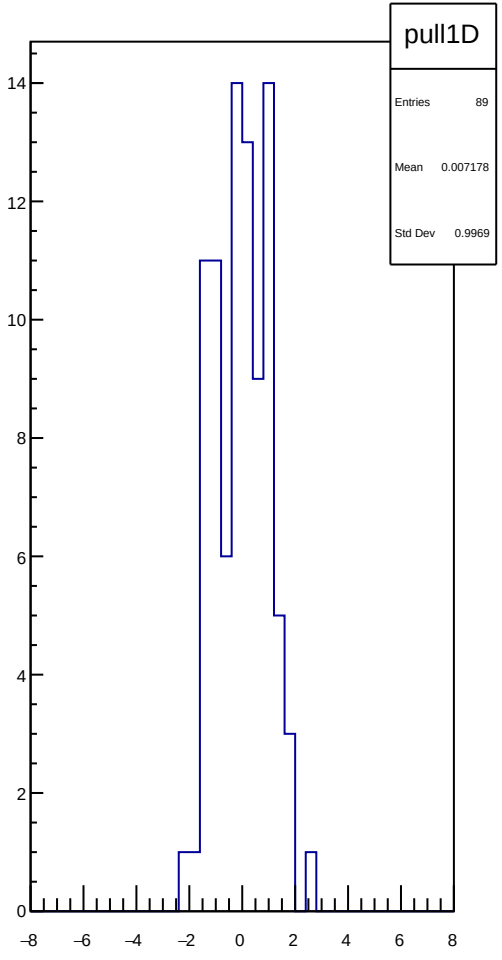

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.06e+04 / 88
p0 649.5 ± 0.4972
750
700
650
600
550

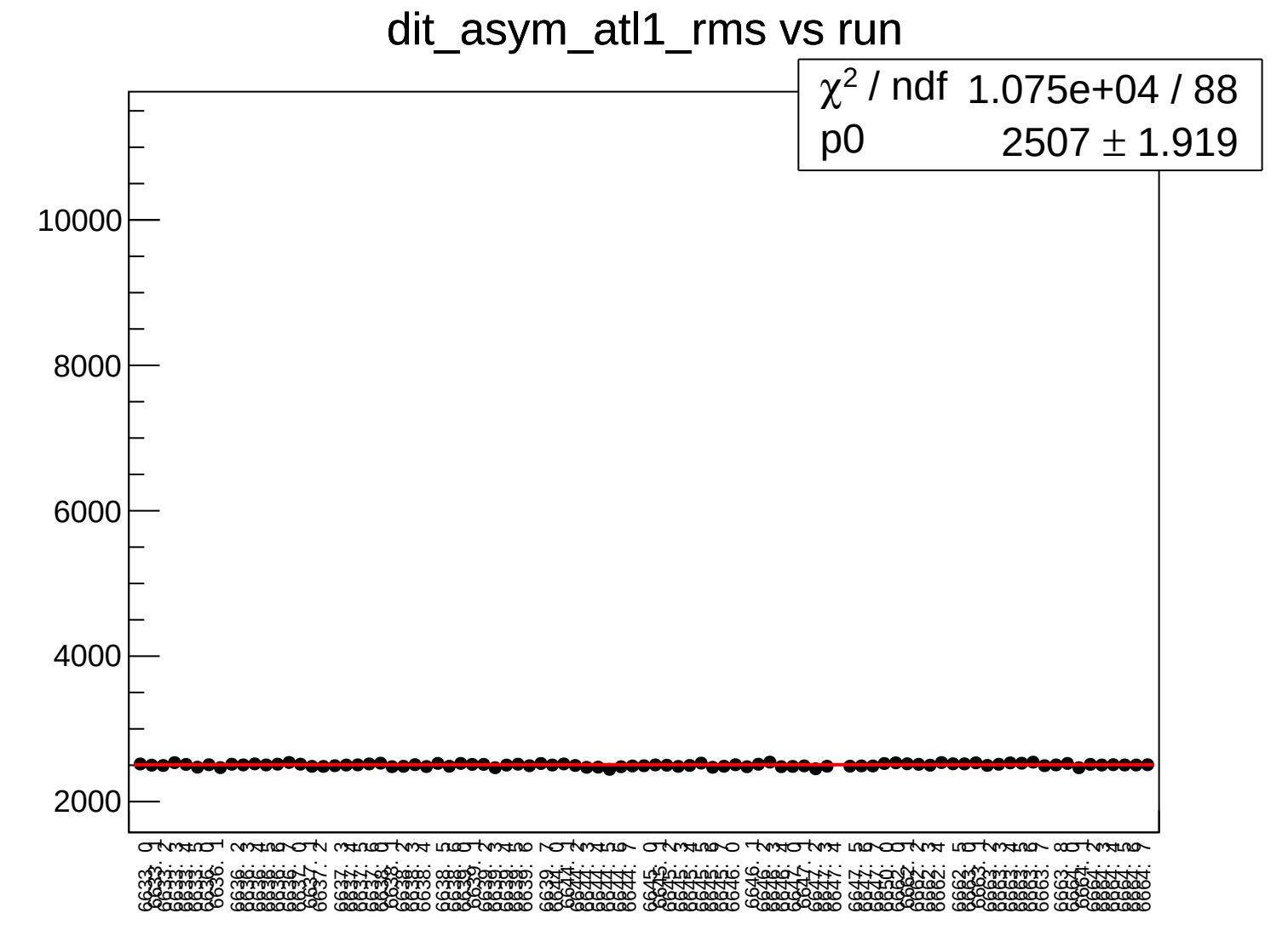

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 93.77 / 88
p0 1561 ± 1710
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −81.82
Std Dev 101.1
2
1
0
−1
−2

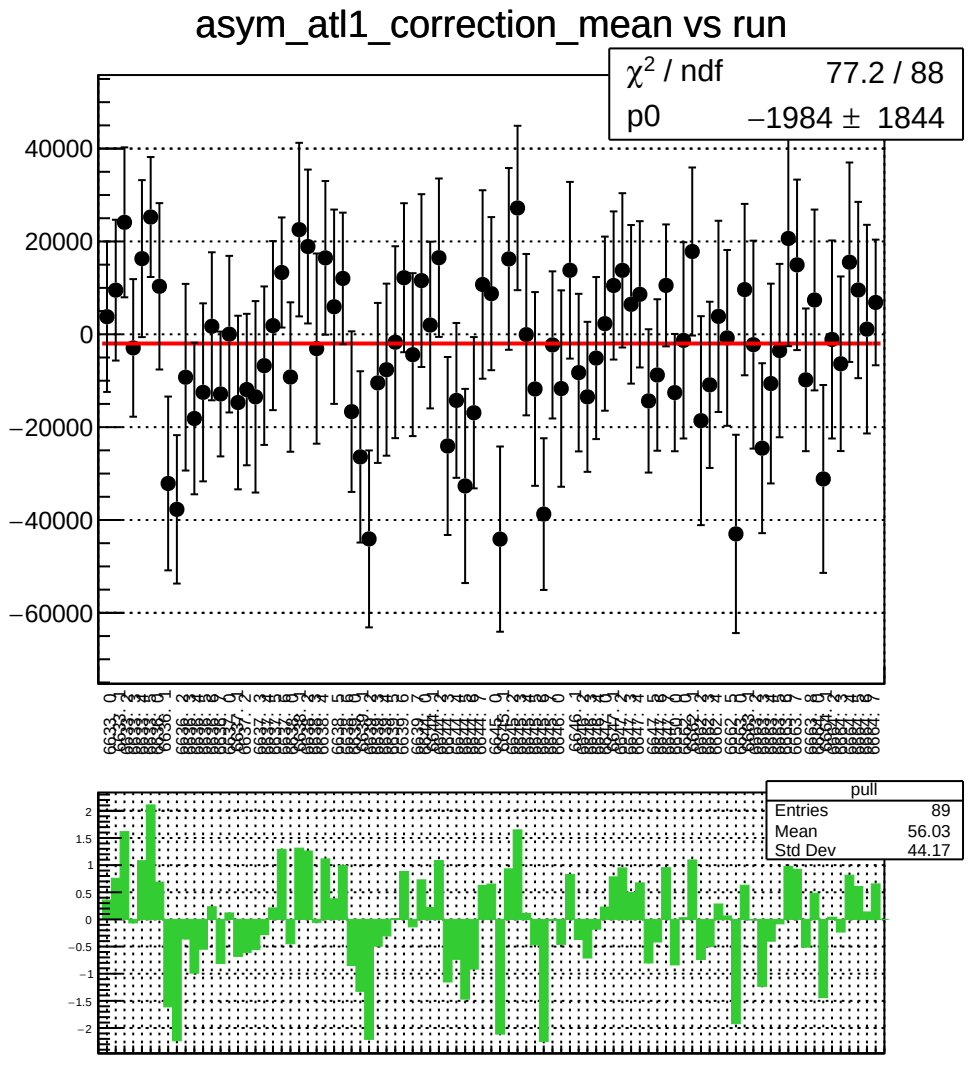

pull1D
Entries 89
Mean −0.005498
Std Dev 1.026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

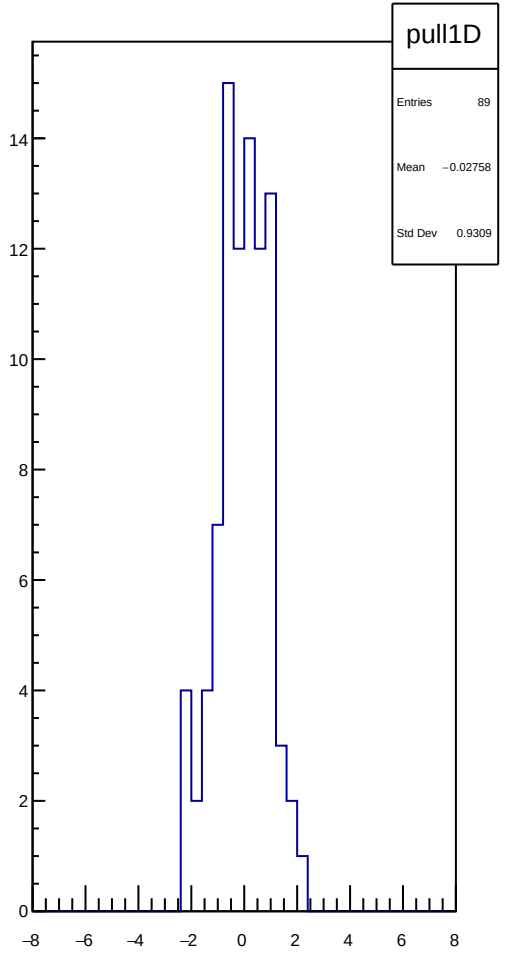

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 9590 / 88
p0 1580 ± 1.209
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

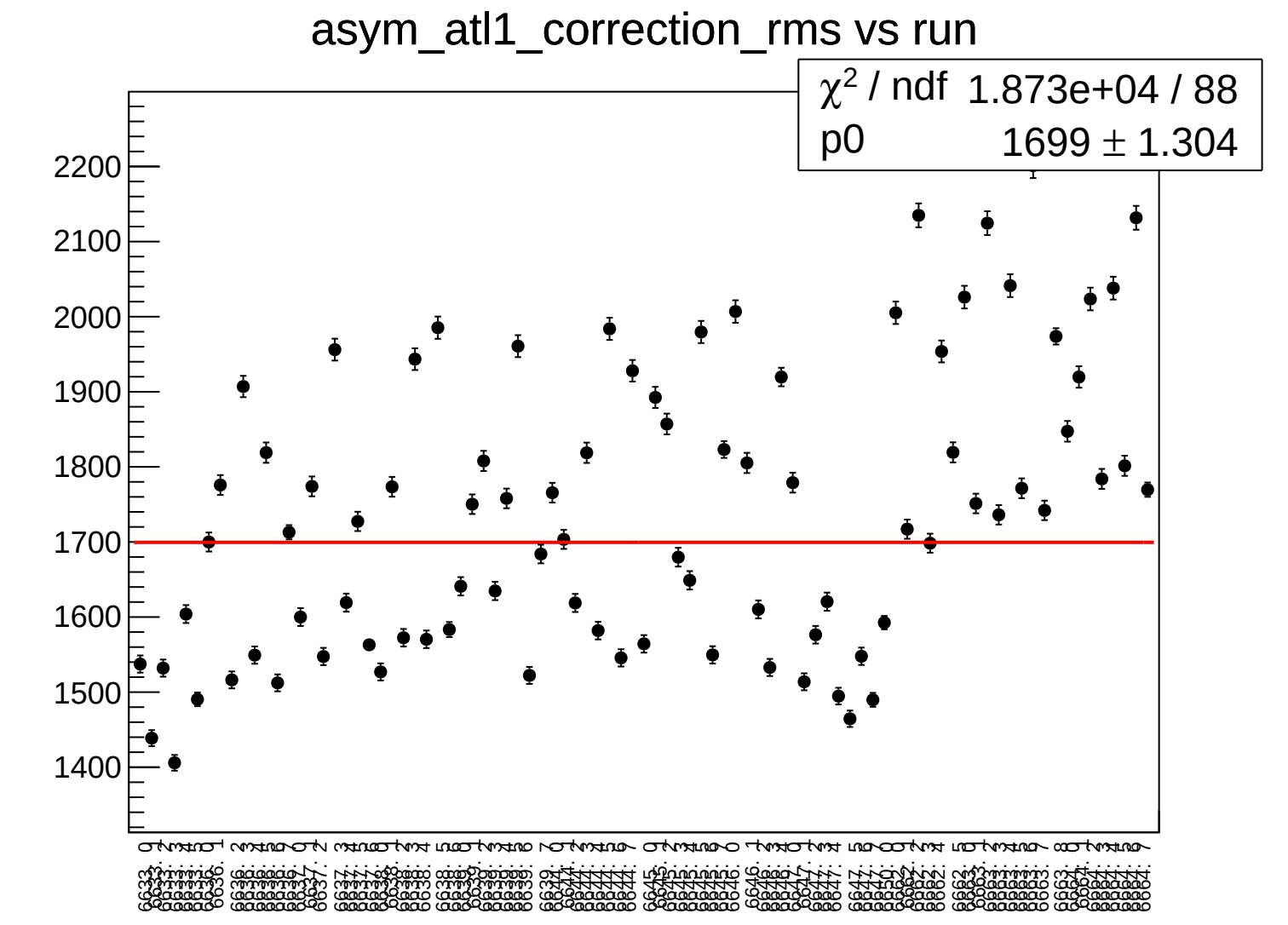

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 88.45 / 88
p0 −5917 ± 2714
pull
Entries 89
Mean −17.02
Std Dev 45.5

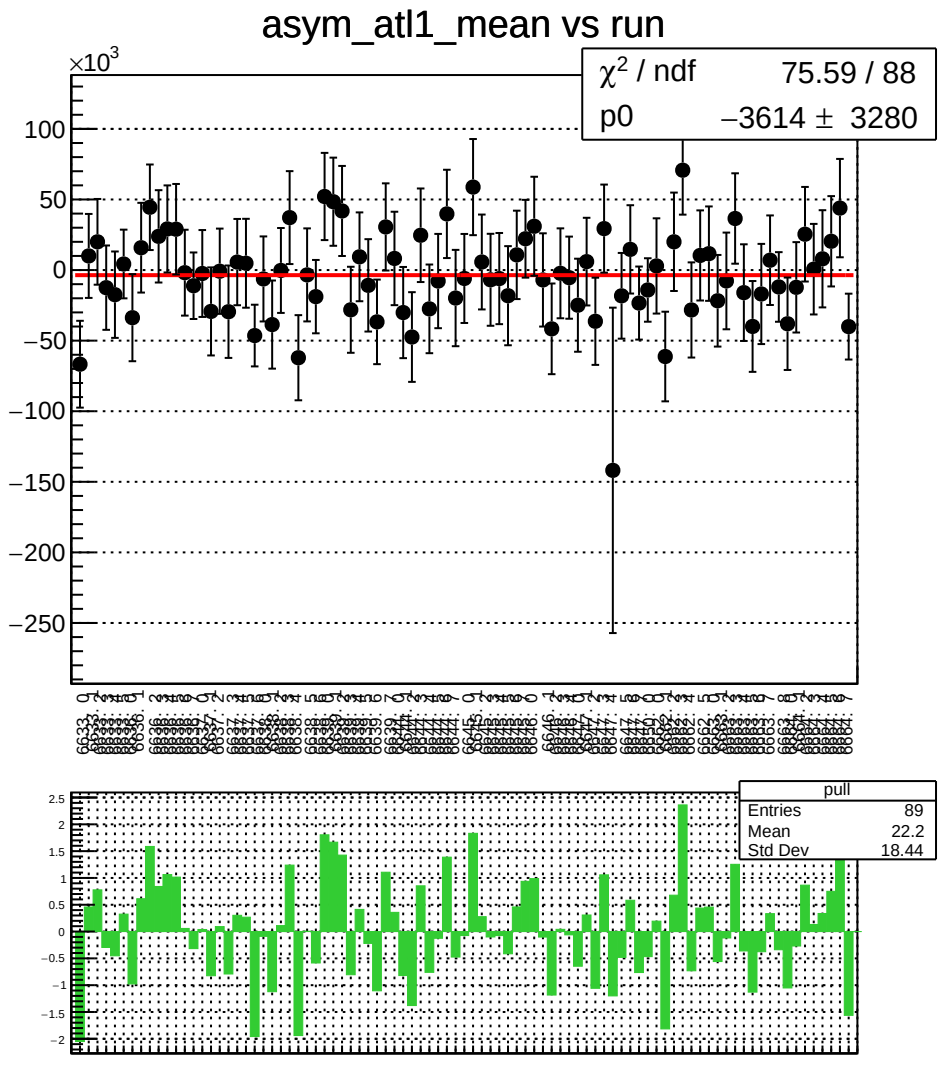

pull1D
Entries 89
Mean 0.007178
Std Dev 0.9969

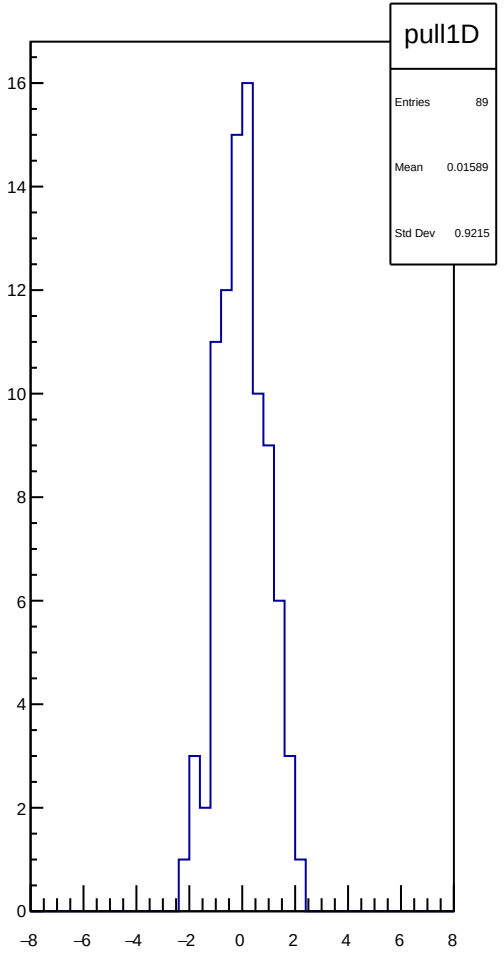

dit_asym_atl1_rms vs run
χ² / ndf 1.075e+04 / 88
p0 2507 ± 1.919
10000
8000
6000
4000
2000

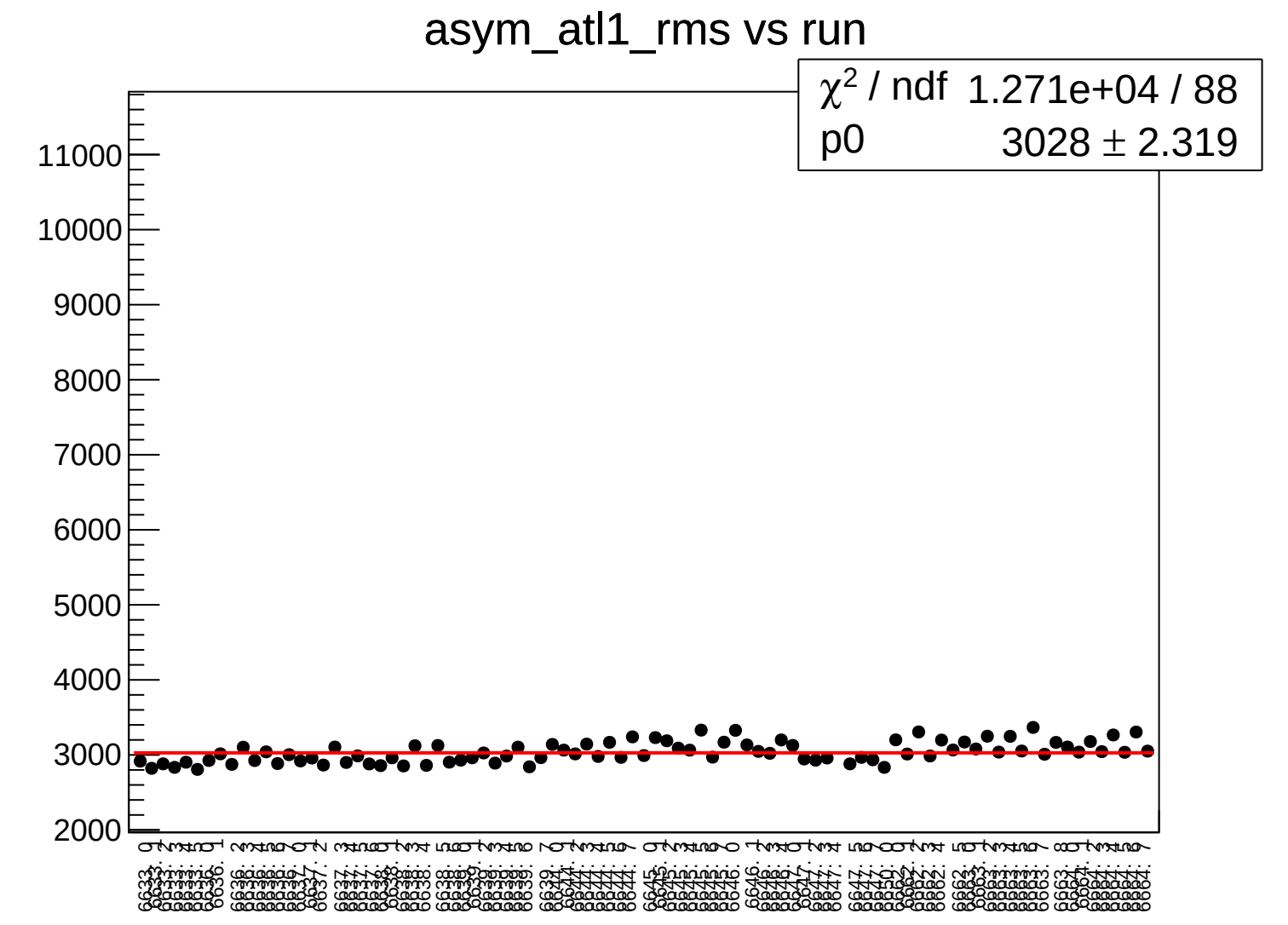

asym_atl1_correction_mean vs run
χ² / ndf 77.2 / 88
p0 −1984 ± 1844
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 56.03
Std Dev 44.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

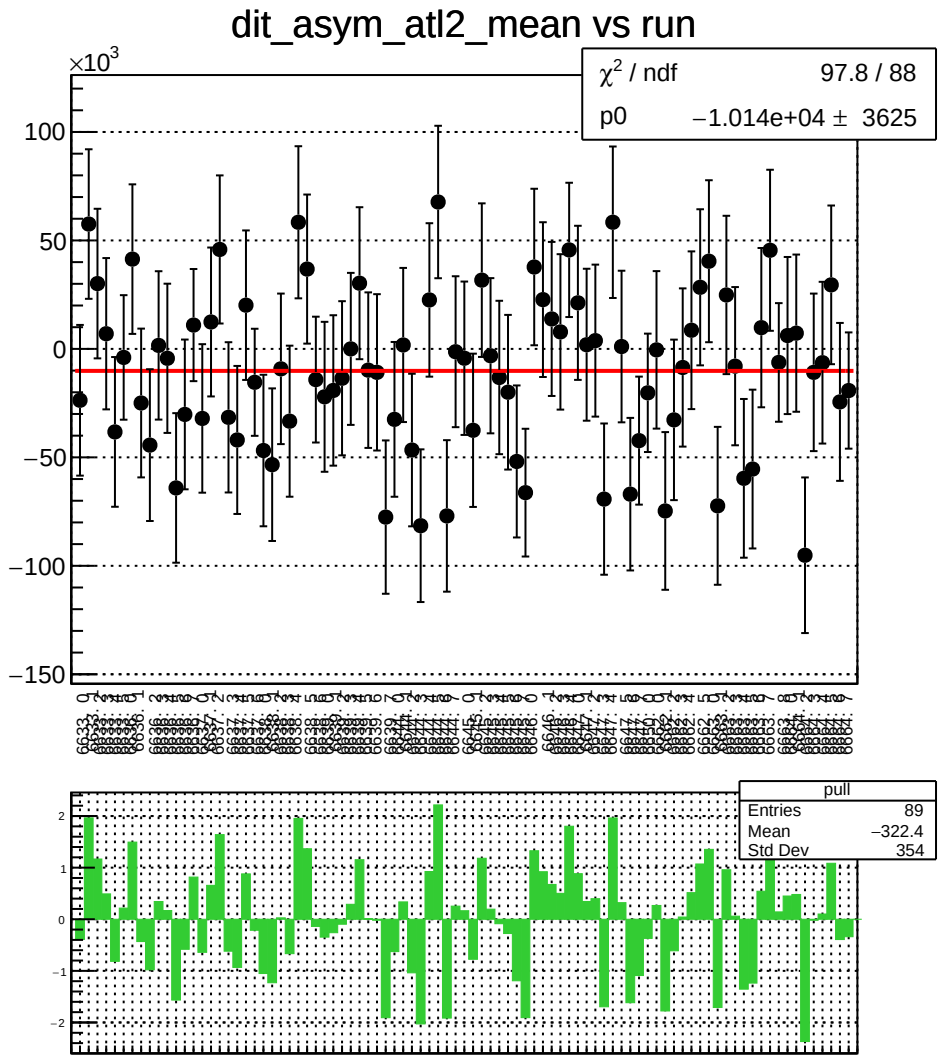

pull1D
Entries 89
Mean −0.02758
Std Dev 0.9309
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

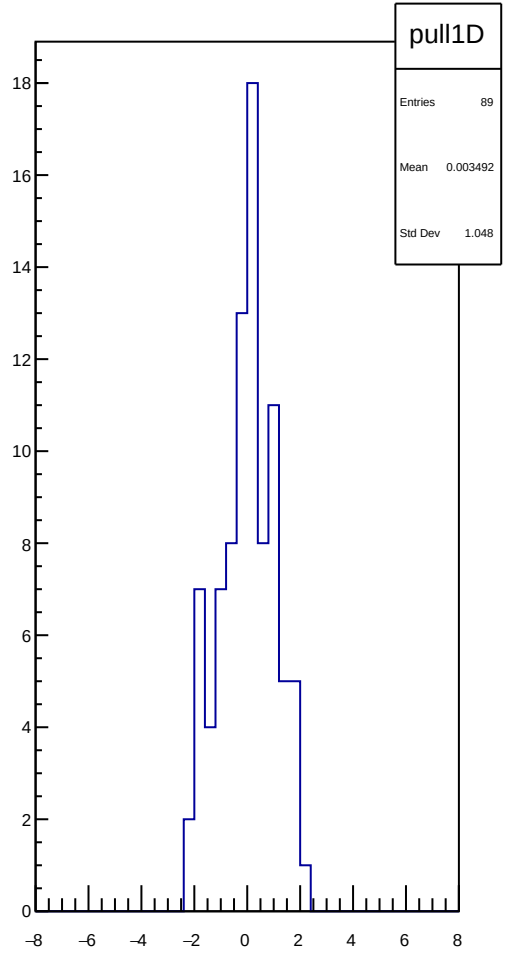

asym_atl1_correction_rms vs run
χ² / ndf 1.873e+04 / 88
p0 1699 ± 1.304
2200
2100
2000
1900
1800
1700
1600
1500
1400

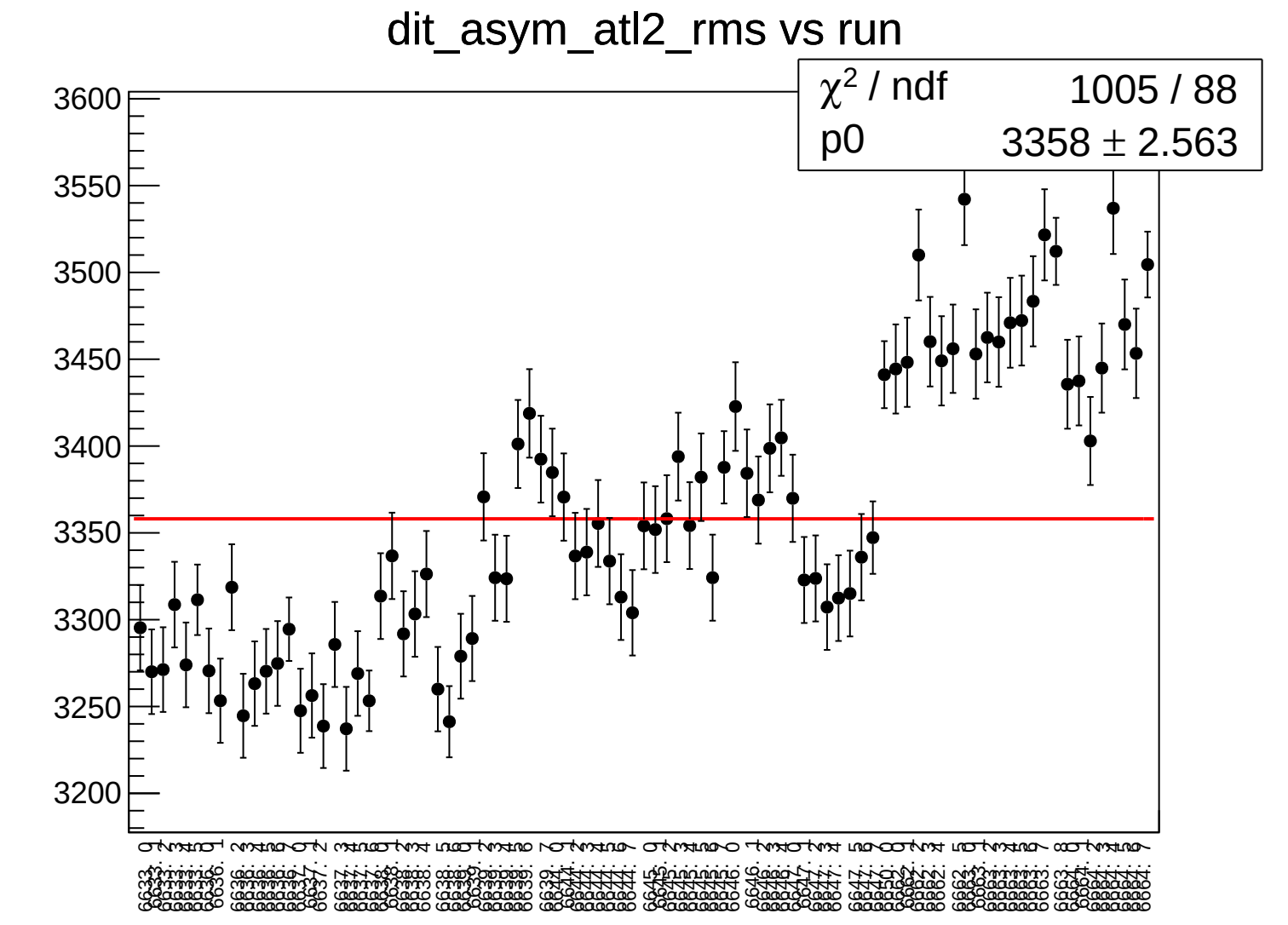

asym_atl1_mean vs run
×10^3
χ² / ndf 75.59 / 88
p0 −3614 ± 3280
100
50
0
−50
−100
−150
−200
−250
pull
Entries 89
Mean 22.2
Std Dev 18.44
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

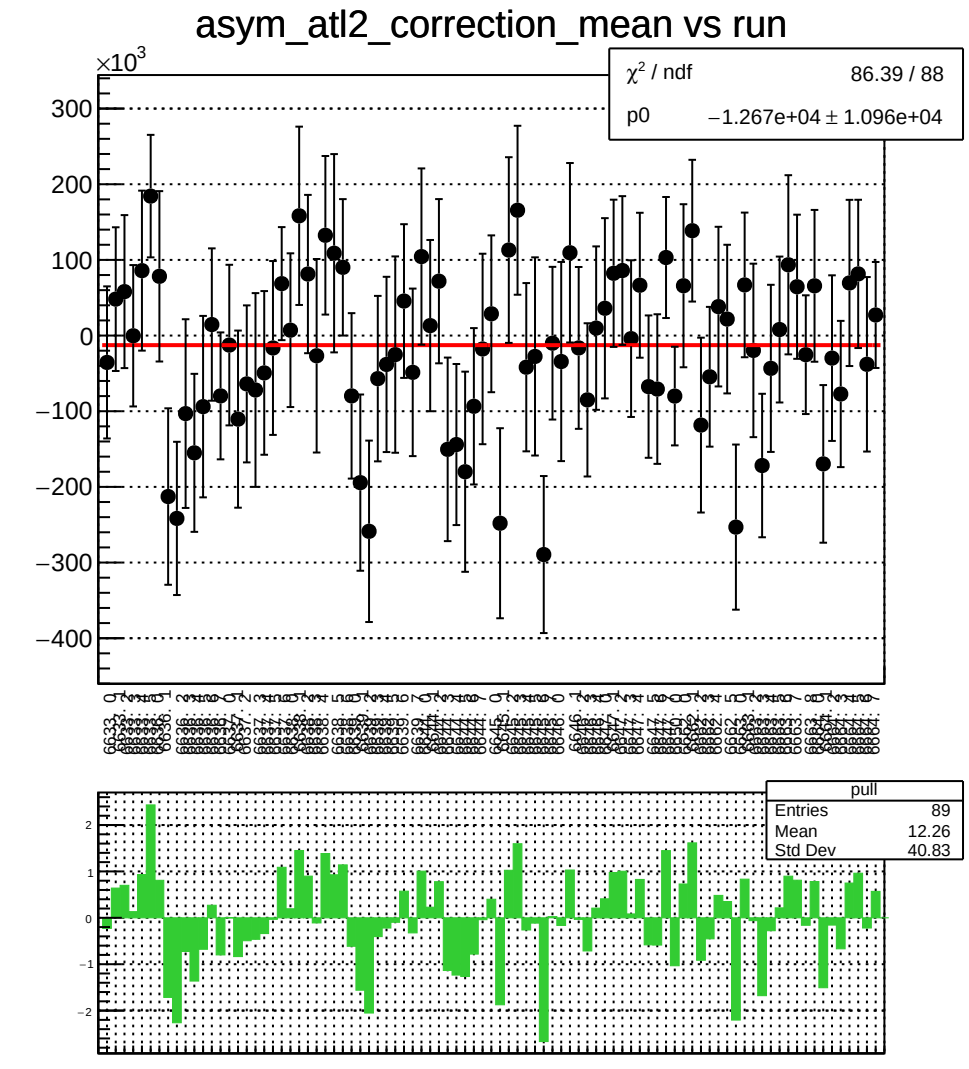

pull1D
Entries 89
Mean 0.01589
Std Dev 0.9215
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

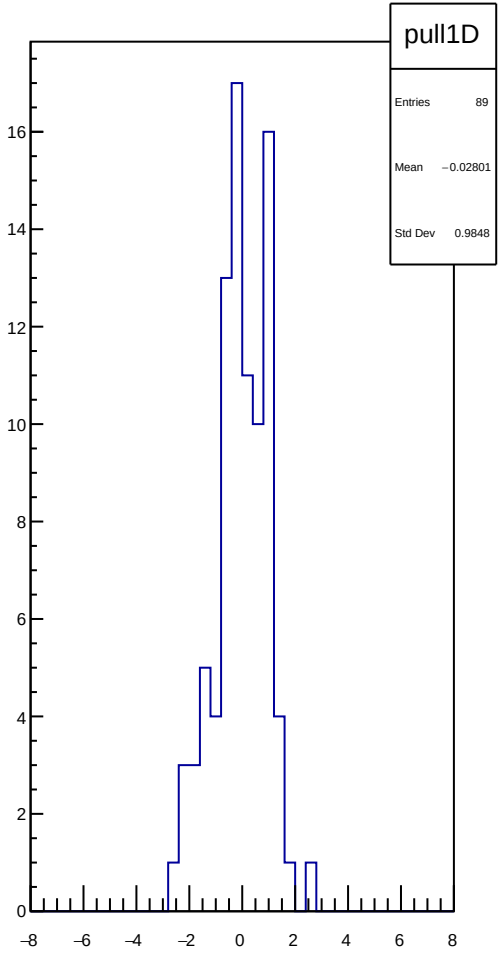

asym_atl1_rms vs run
χ² / ndf 1.271e+04 / 88
p0 3028 ± 2.319
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

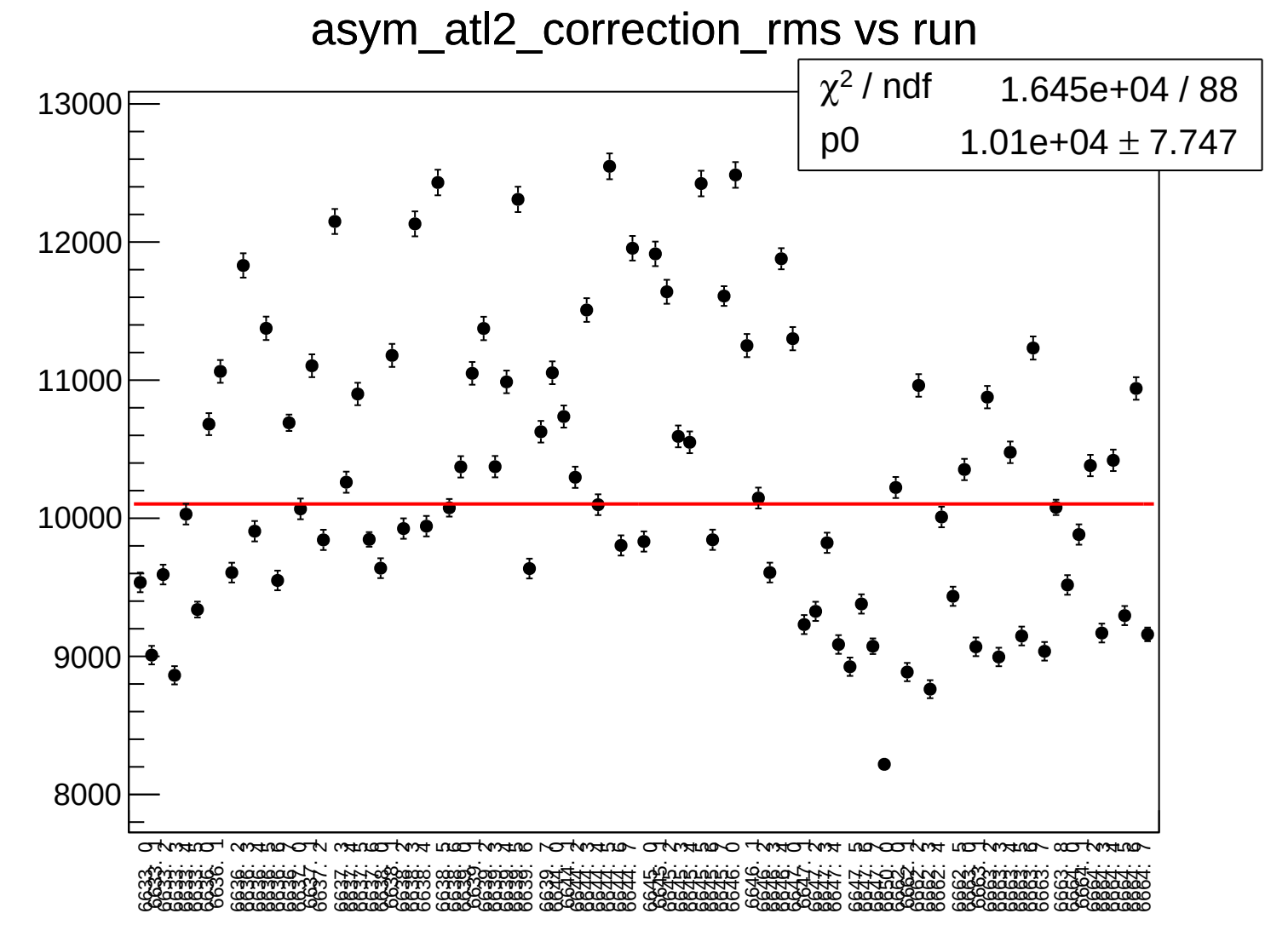

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 97.8 / 88
p0 −1.014e+04 ± 3625
100
50
0
−50
−100
−150
pull
Entries 89
Mean −322.4
Std Dev 354
2
1
0
−1
−2

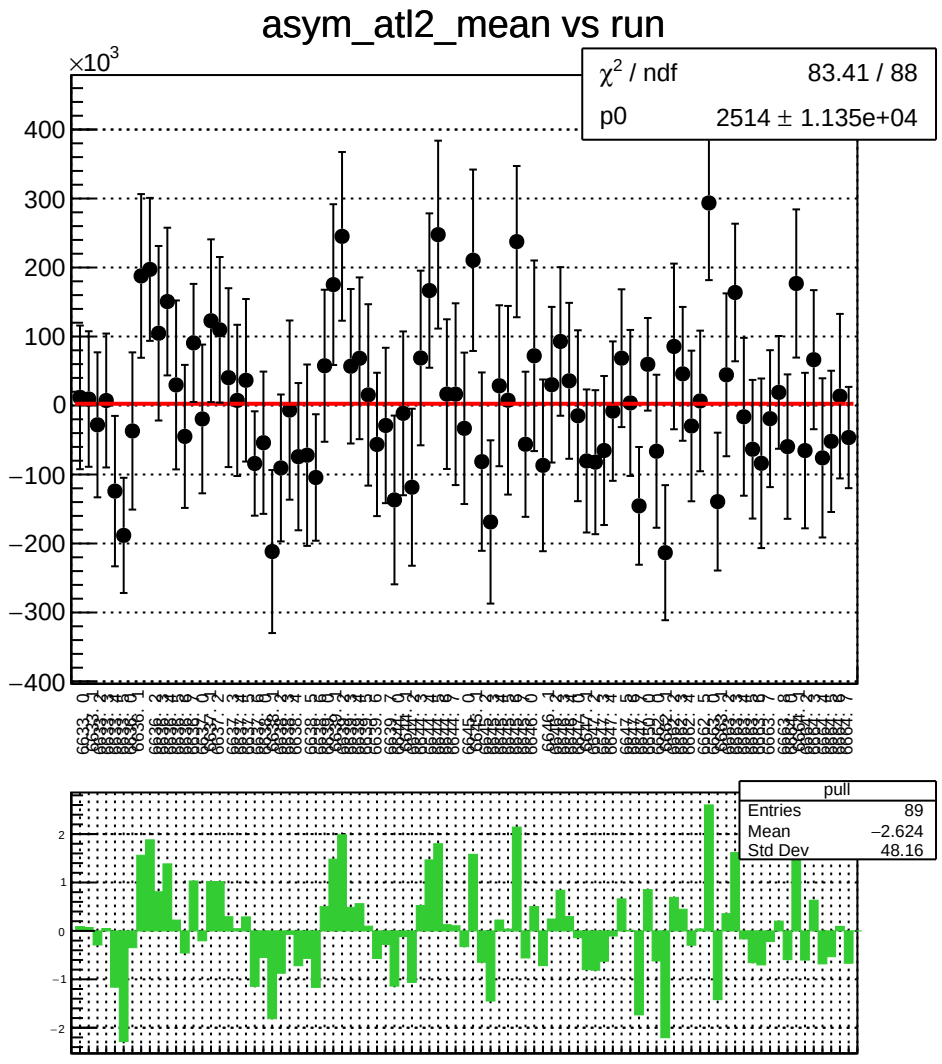

pull1D
Entries 89
Mean 0.003492
Std Dev 1.048
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

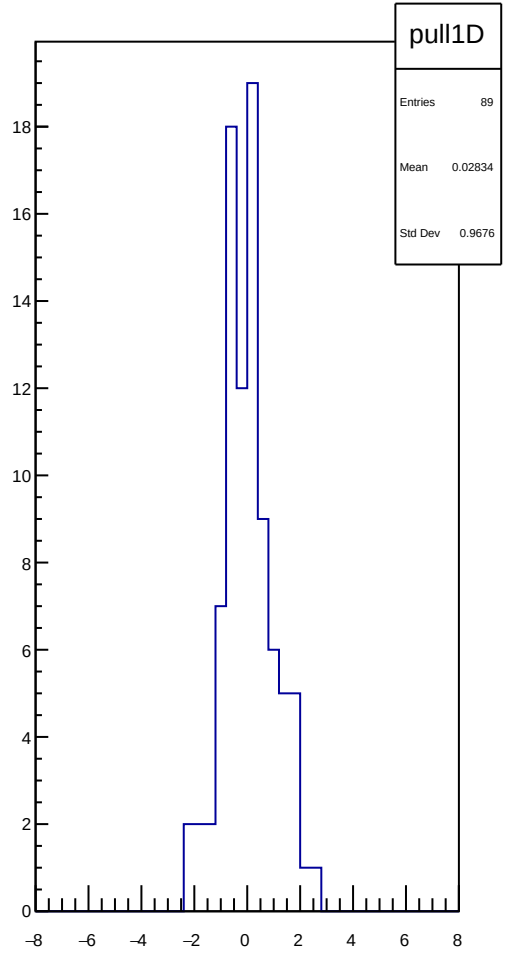

dit_asym_atl2_rms vs run
χ² / ndf 1005 / 88
p0 3358 ± 2.563
3600
3550
3500
3450
3400
3350
3300
3250
3200

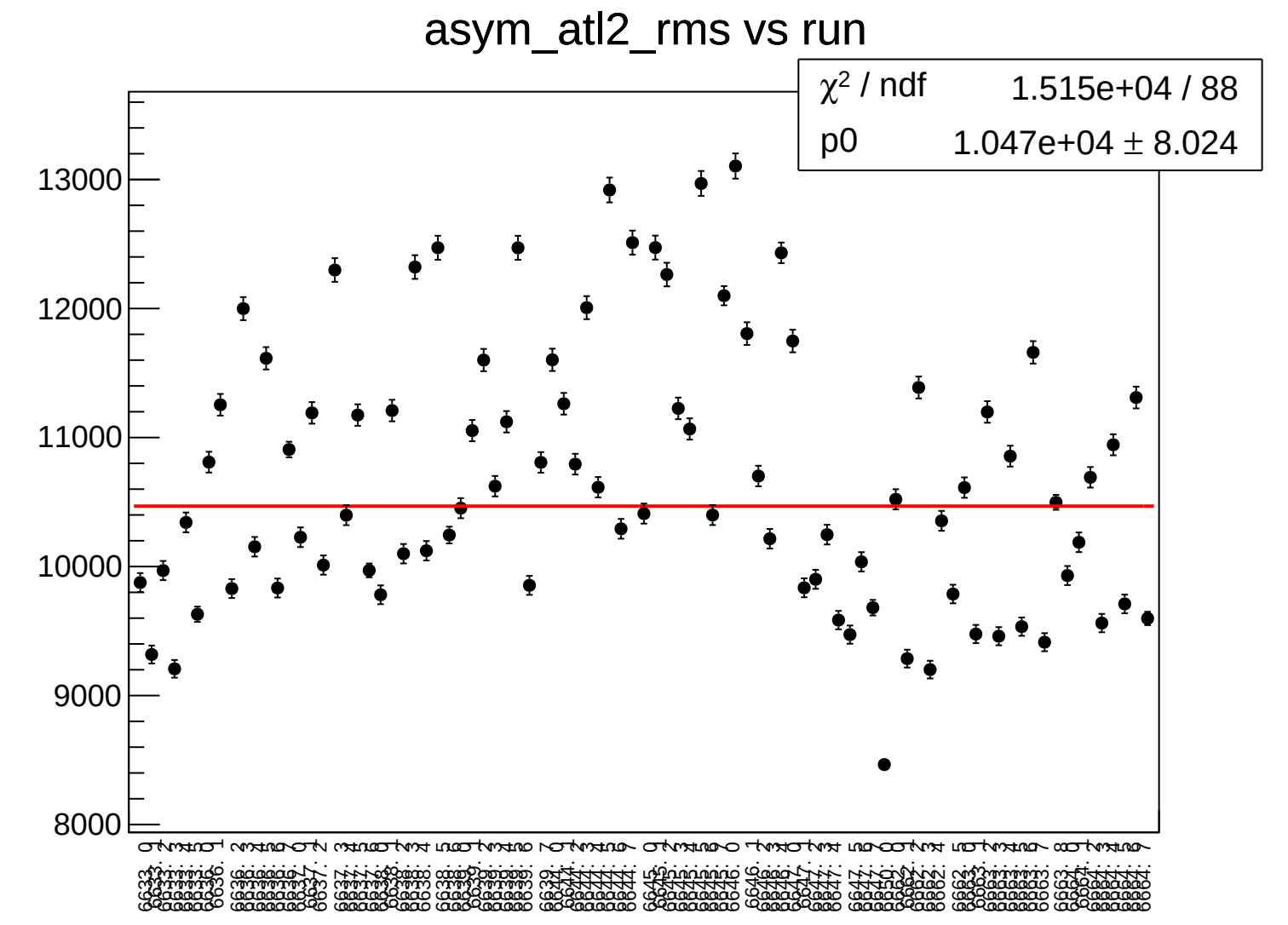

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 86.39 / 88
p0 −1.267e+04 ± 1.096e+04
pull
Entries 89
Mean 12.26
Std Dev 40.83

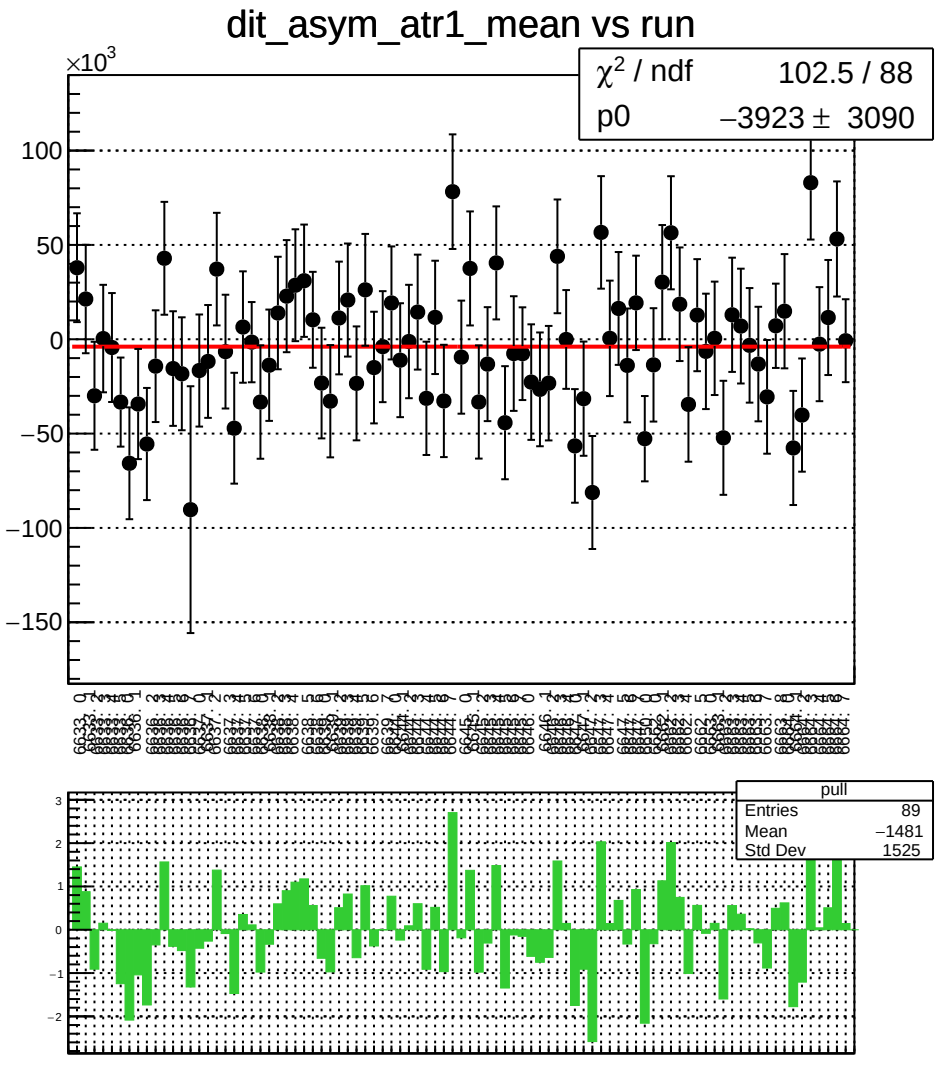

pull1D
Entries 89
Mean −0.02801
Std Dev 0.9848

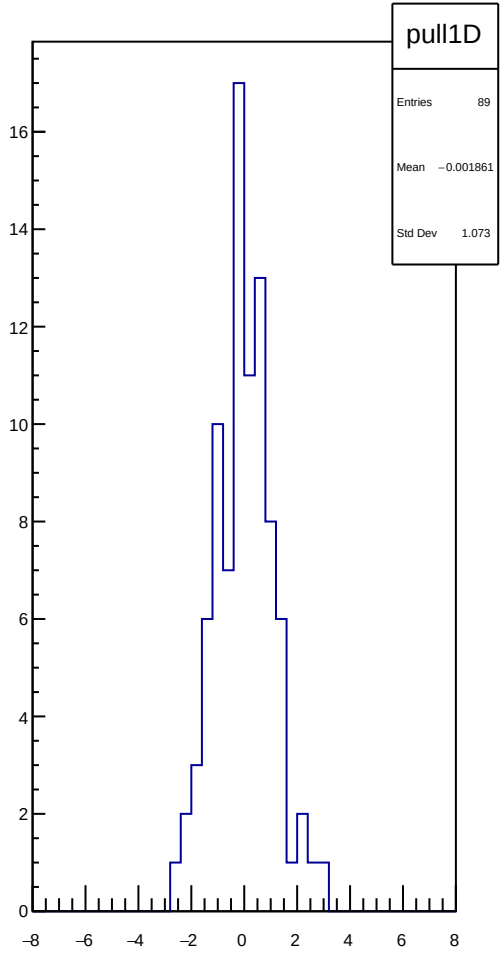

asym_atl2_correction_rms vs run
χ² / ndf 1.645e+04 / 88
p0 1.01e+04 ± 7.747
13000
12000
11000
10000
9000
8000

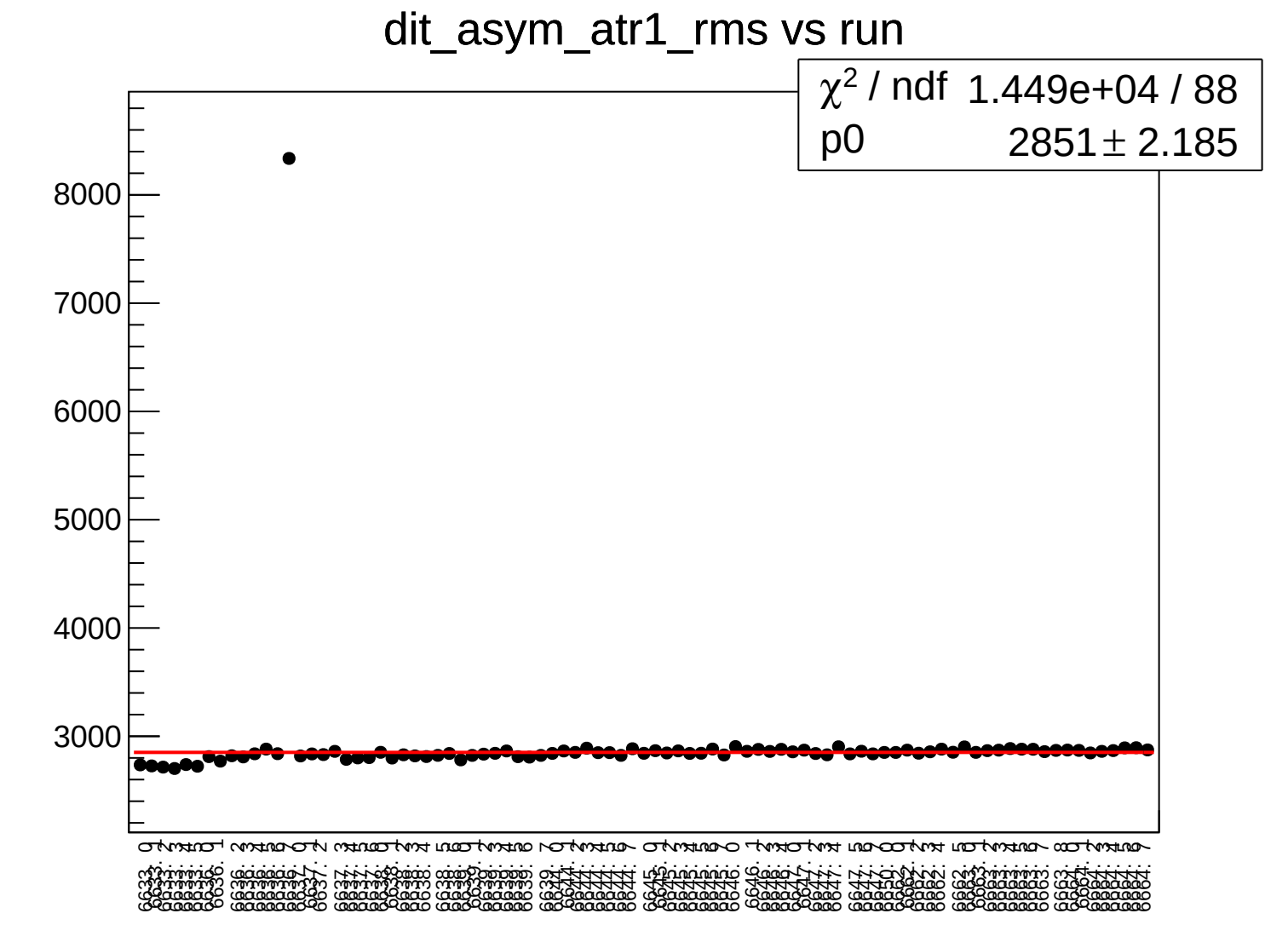

asym_atl2_mean vs run
×10^3
χ² / ndf 83.41 / 88
p0 2514 ± 1.135e+04
pull
Entries 89
Mean −2.624
Std Dev 48.16

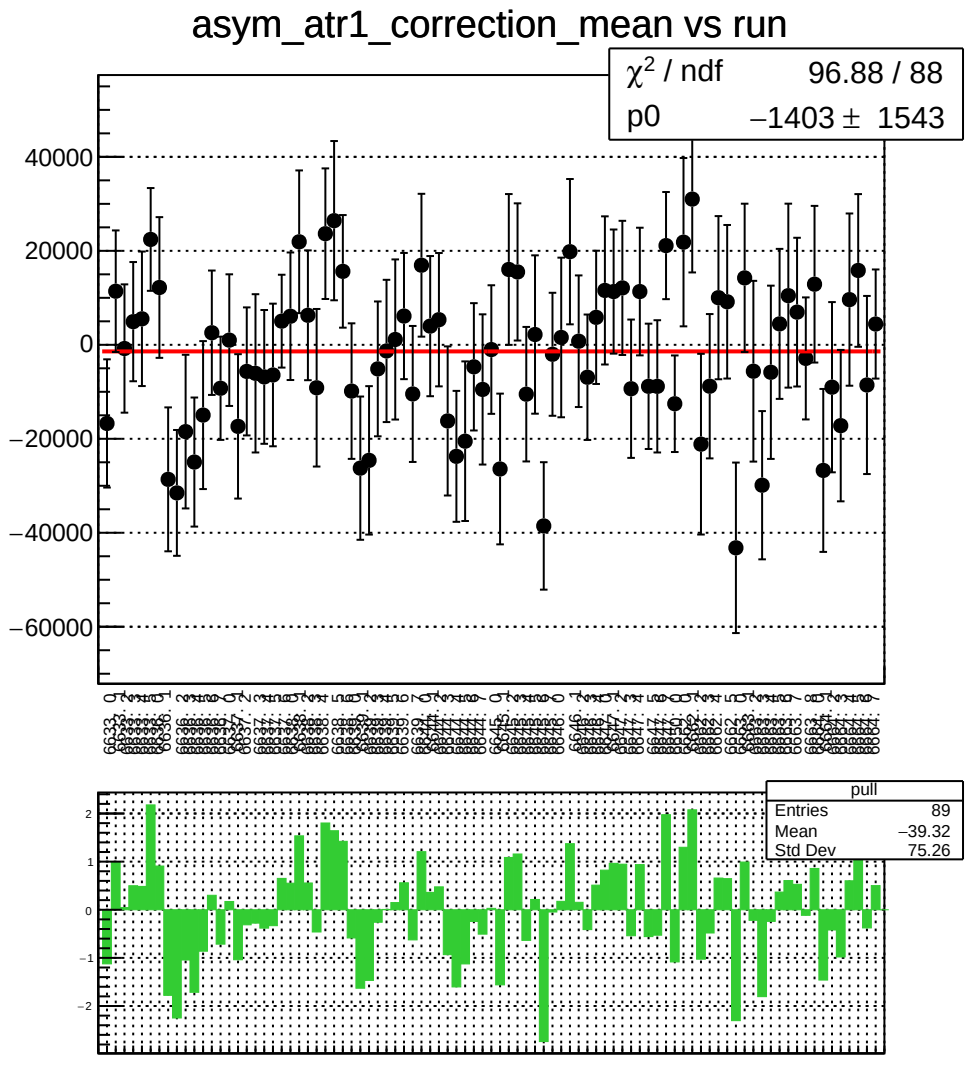

pull1D
Entries 89
Mean 0.02834
Std Dev 0.9676

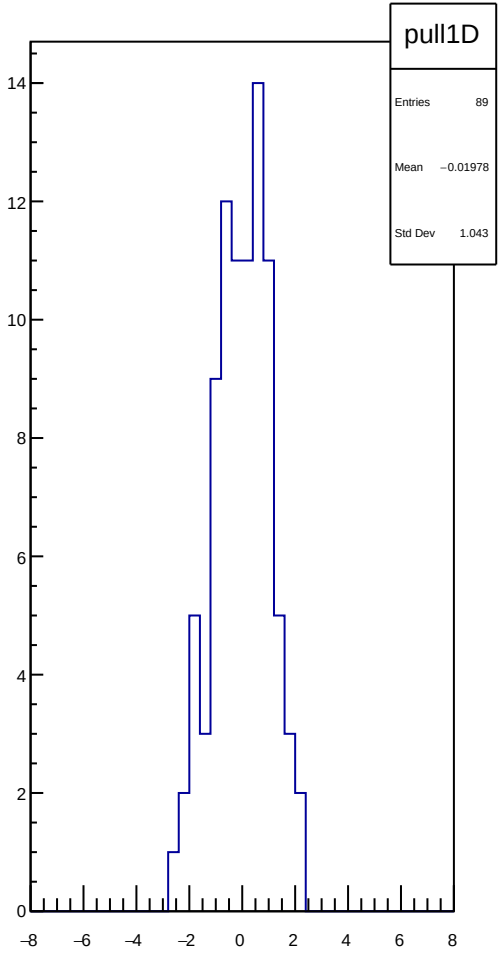

asym_atl2_rms vs run
χ² / ndf 1.515e+04 / 88
p0 1.047e+04 ± 8.024
13000
12000
11000
10000
9000
8000

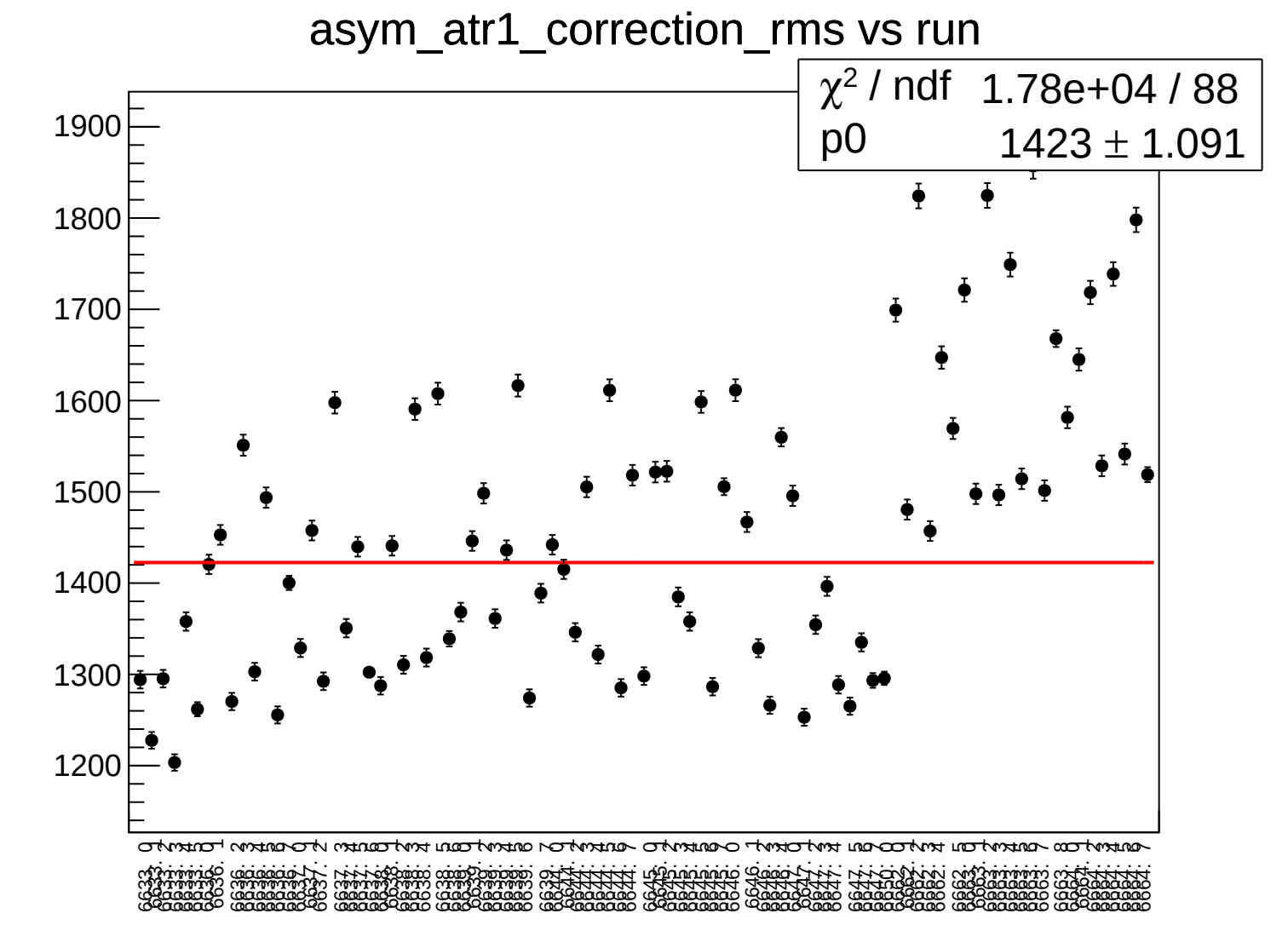

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 102.5 / 88
p0 −3923 ± 3090
100
50
0
−50
−100
−150
pull
Entries 89
Mean −1481
Std Dev 1525
3
2
1
0
−1
−2

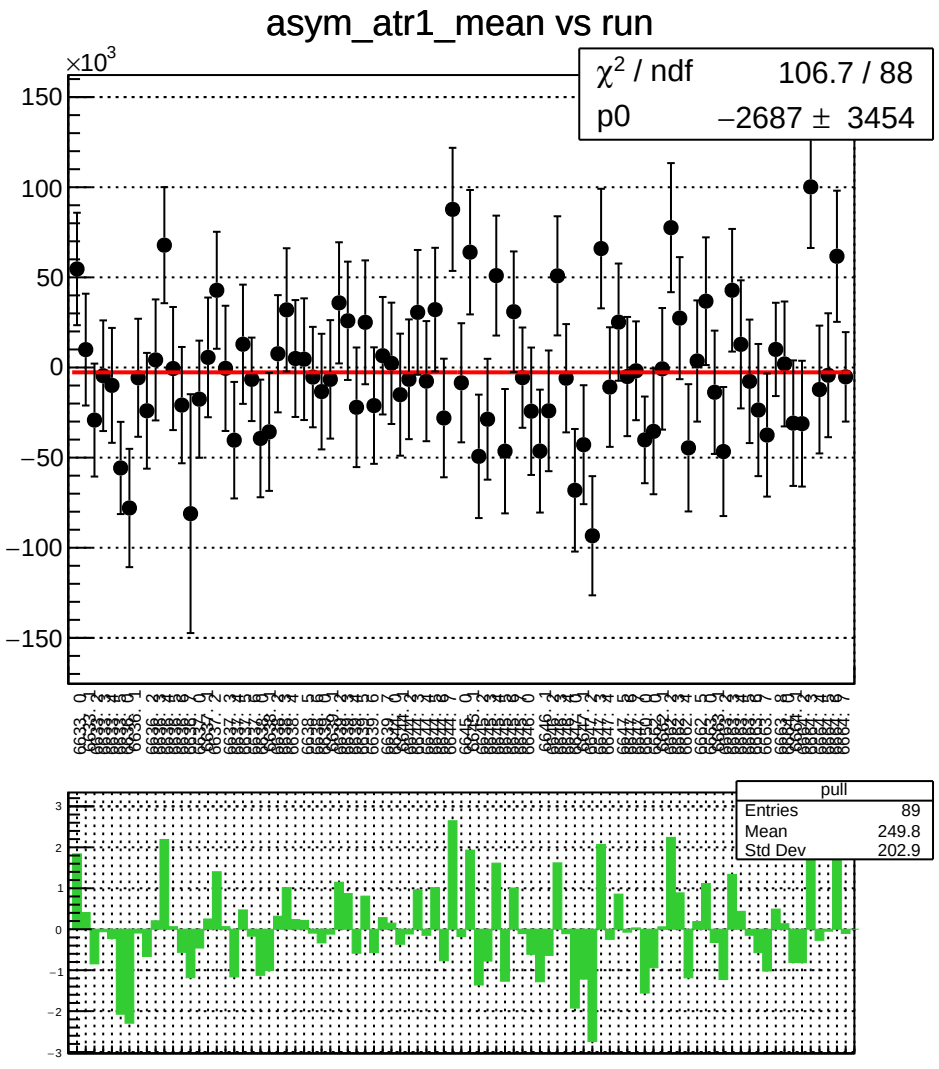

pull1D
Entries 89
Mean −0.001861
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

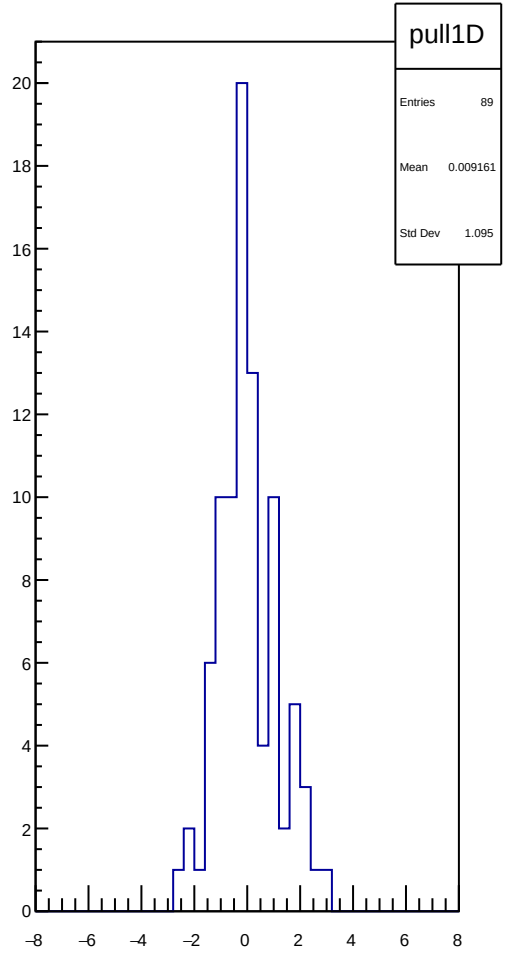

dit_asym_atr1_rms vs run
χ² / ndf 1.449e+04 / 88
p0 2851 ± 2.185
8000
7000
6000
5000
4000
3000

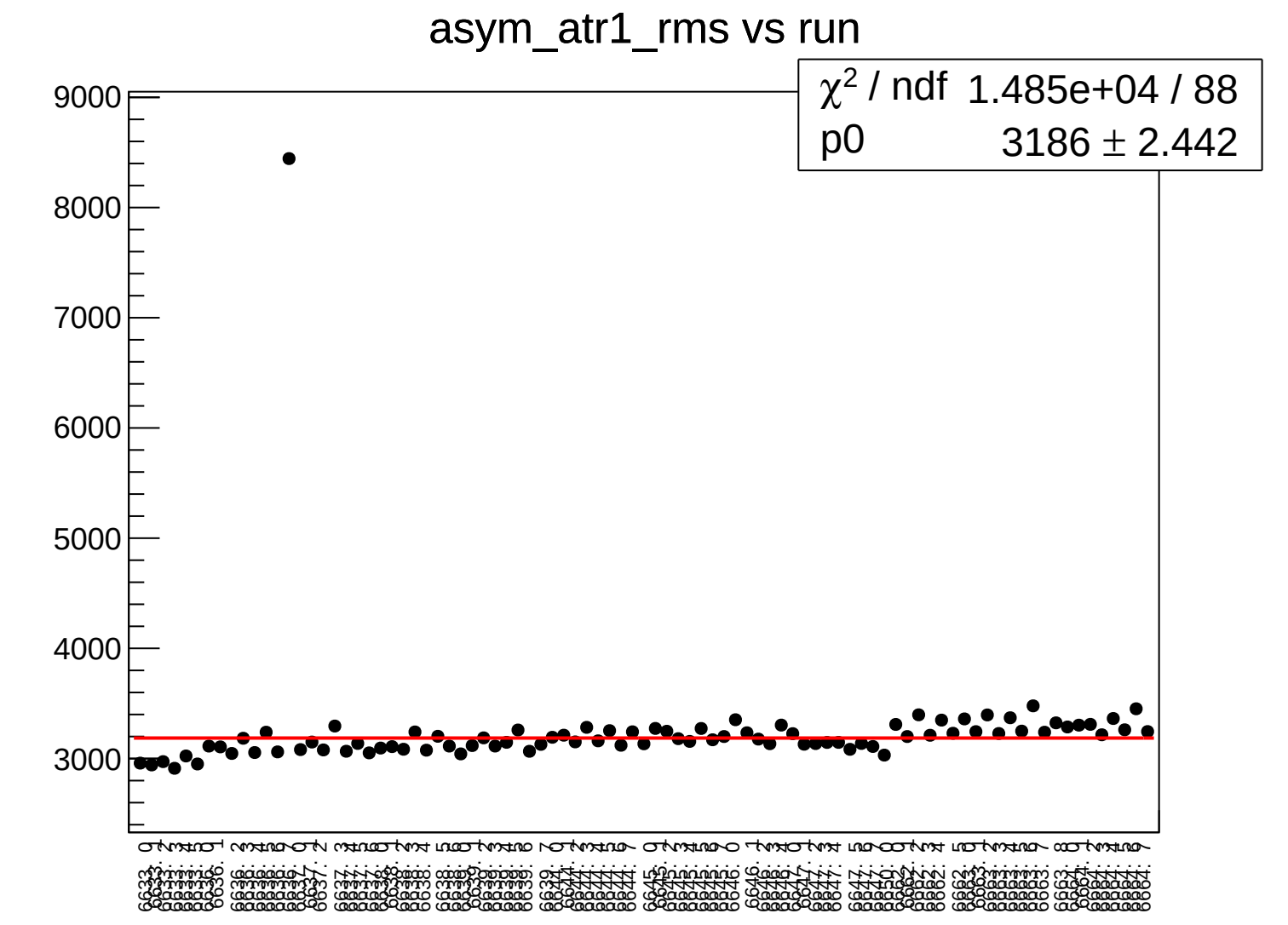

asym_atr1_correction_mean vs run
χ² / ndf 96.88 / 88
p0 −1403 ± 1543
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −39.32
Std Dev 75.26
2
1
0
−1
−2

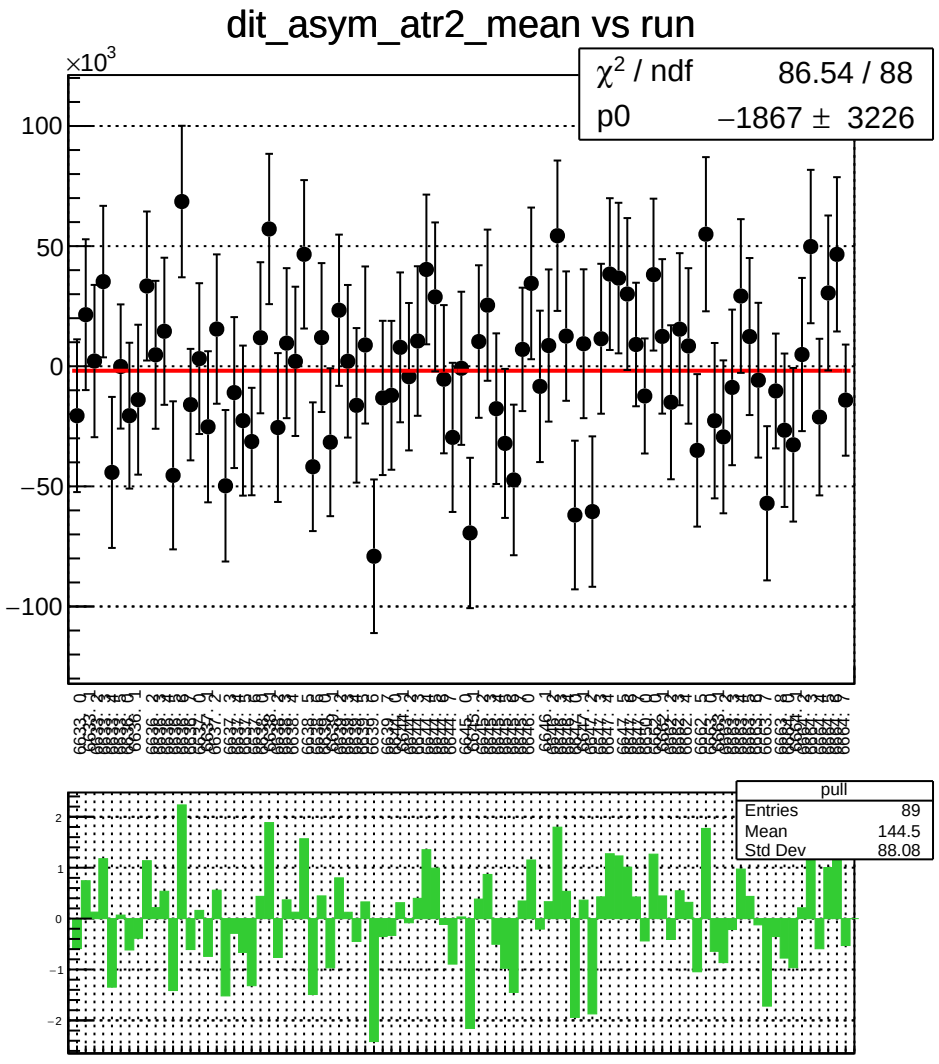

pull1D
Entries 89
Mean −0.01978
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

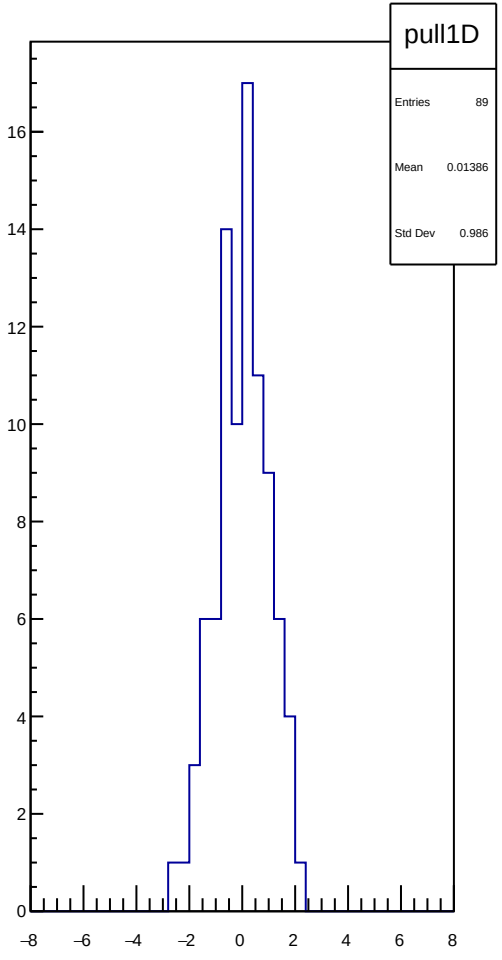

asym_atr1_correction_rms vs run
χ² / ndf 1.78e+04 / 88
p0 1423 ± 1.091
1900
1800
1700
1600
1500
1400
1300
1200

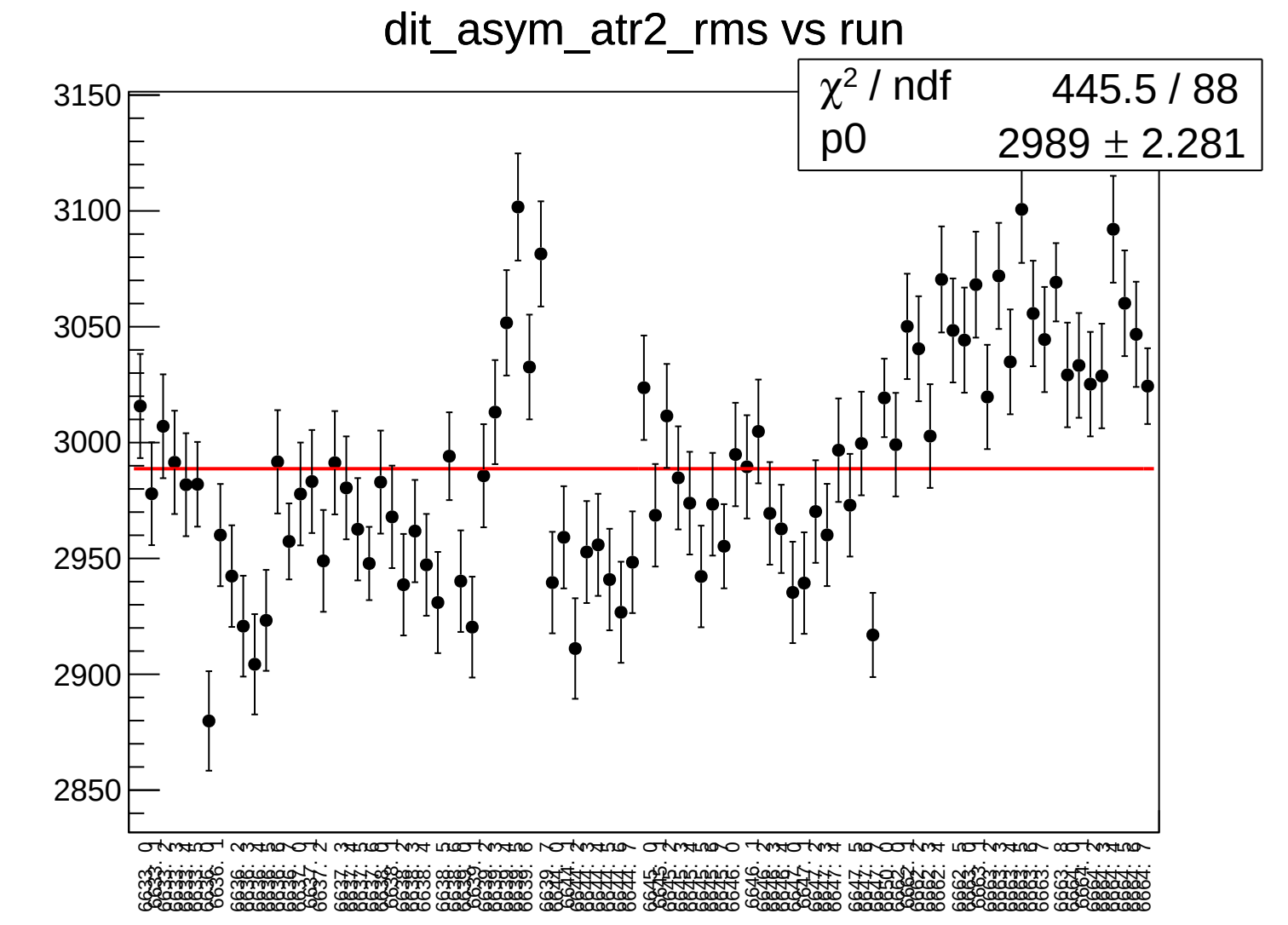

asym_atr1_mean vs run
×10^3
χ² / ndf 106.7 / 88
p0 −2687 ± 3454
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 249.8
Std Dev 202.9
3
2
1
0
−1
−2
−3

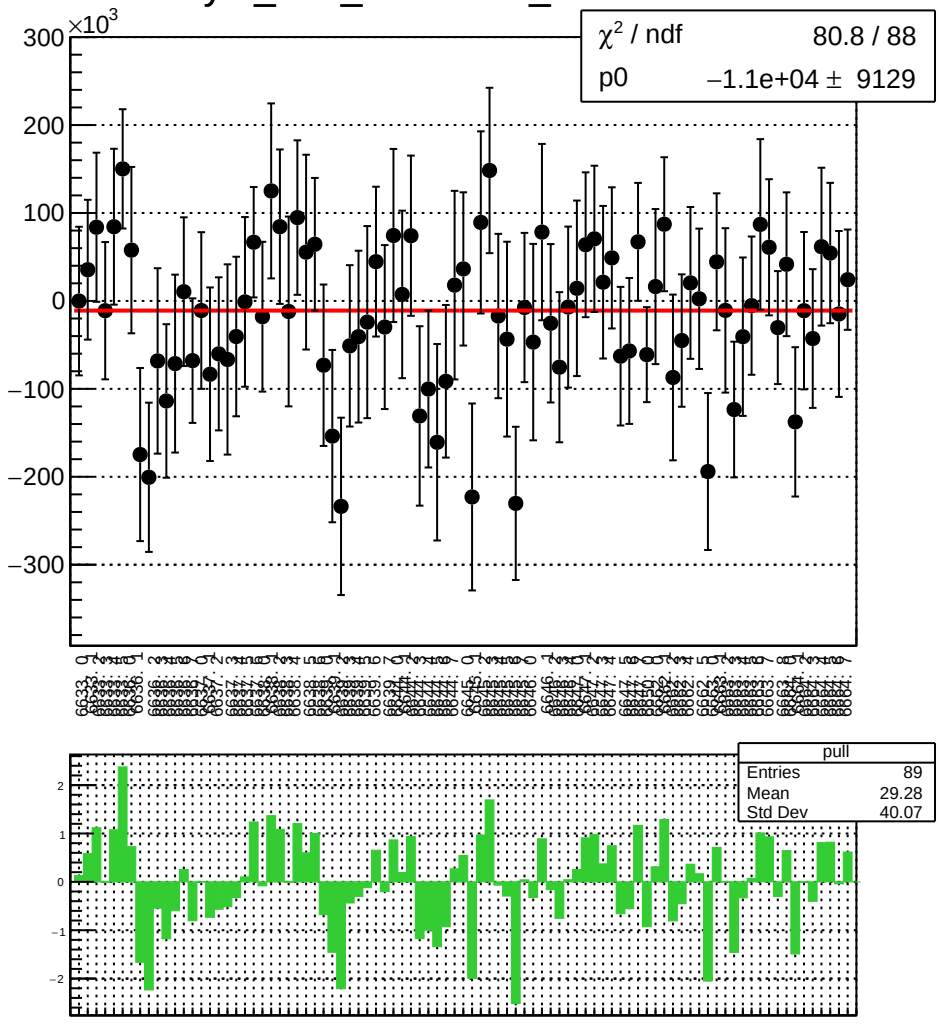

pull1D
Entries 89
Mean 0.009161
Std Dev 1.095
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

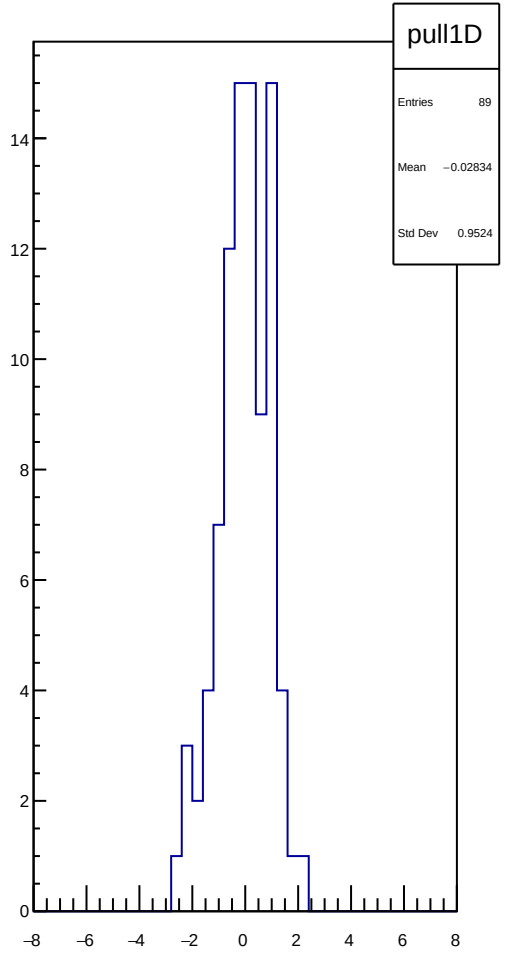

asym_atr1_rms vs run
χ^2 / ndf 1.485e+04 / 88
p0 3186 ± 2.442
9000
8000
7000
6000
5000
4000
3000

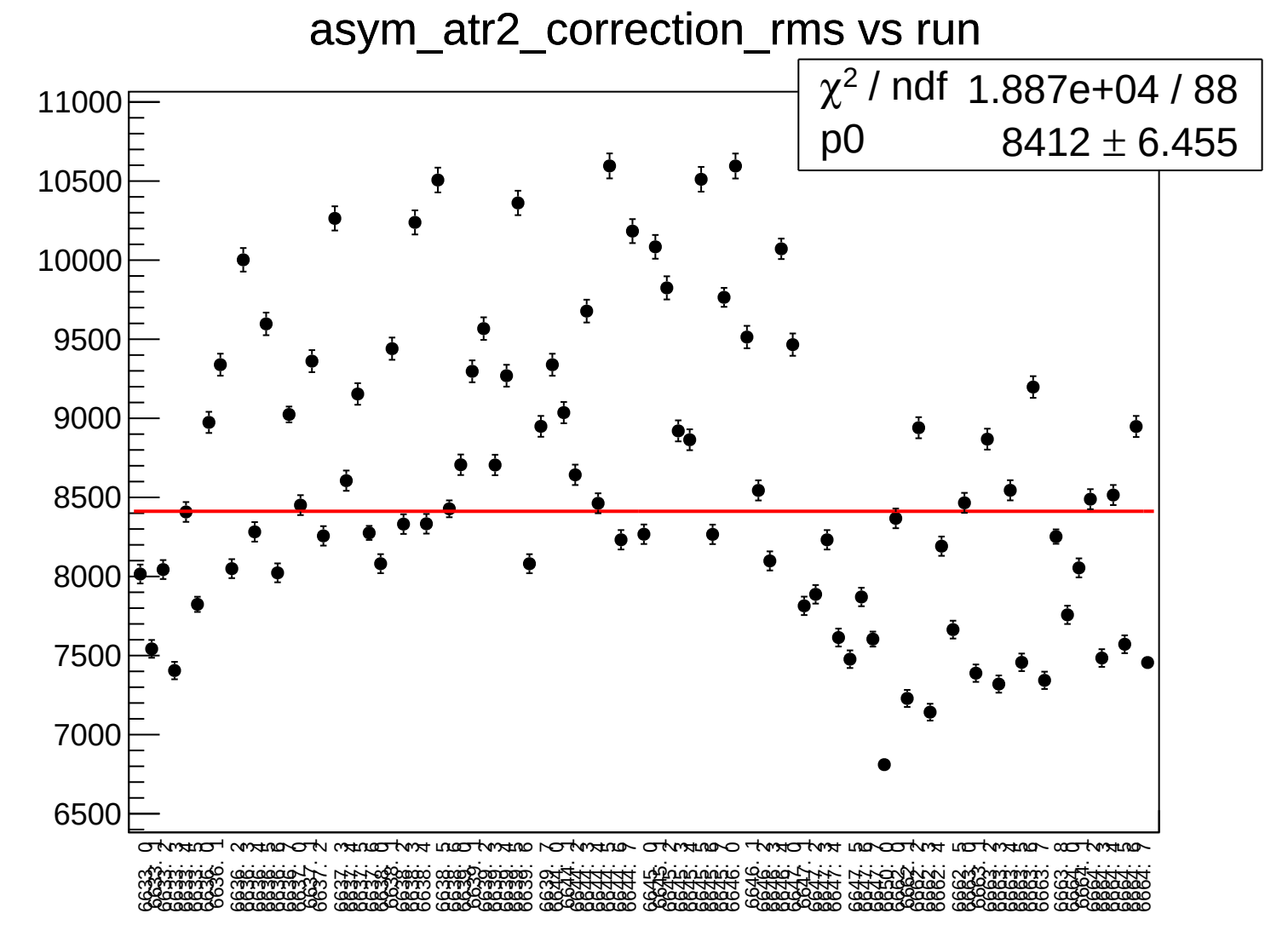

dit_asym_atr2_mean vs run
χ^2 / ndf 86.54 / 88
p0 −1867 ± 3226
×10^3
pull
Entries 89
Mean 144.5
Std Dev 88.08

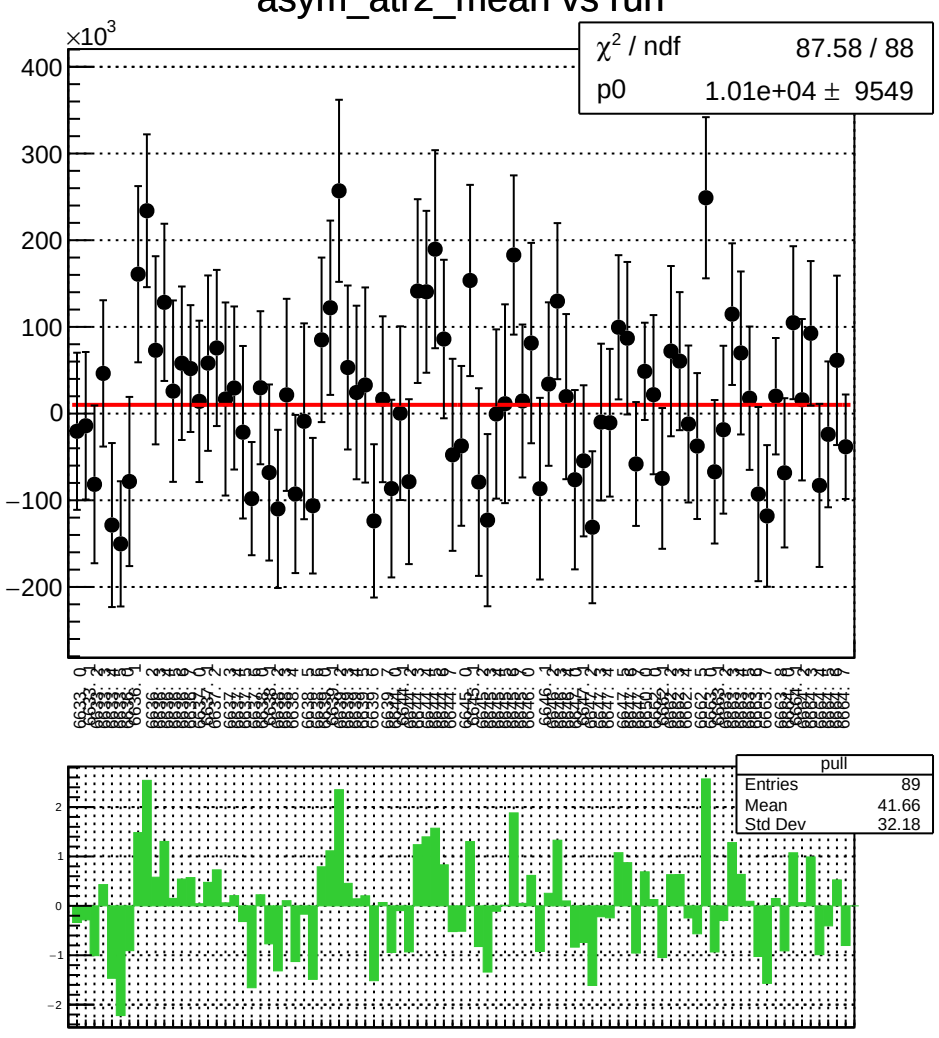

pull1D
Entries 89
Mean 0.01386
Std Dev 0.986

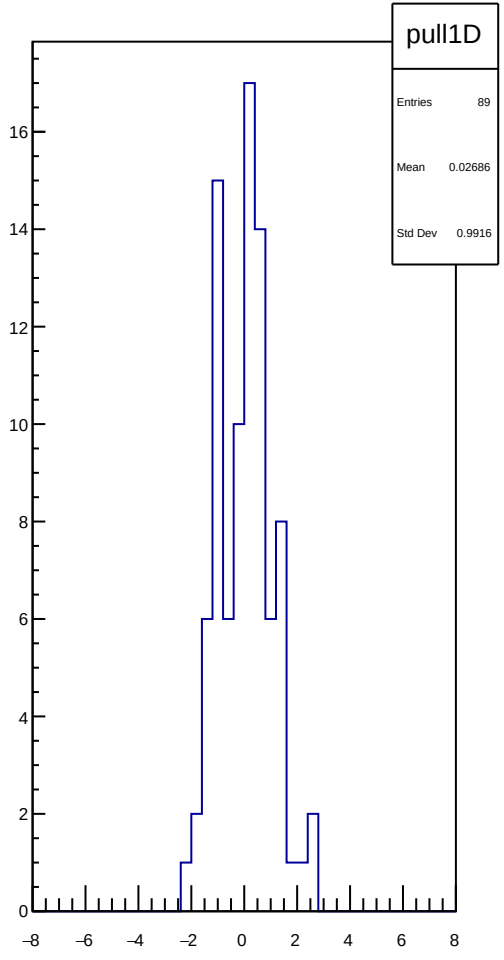

dit_asym_atr2_rms vs run
χ² / ndf 445.5 / 88
p0 2989 ± 2.281
3150
3100
3050
3000
2950
2900
2850

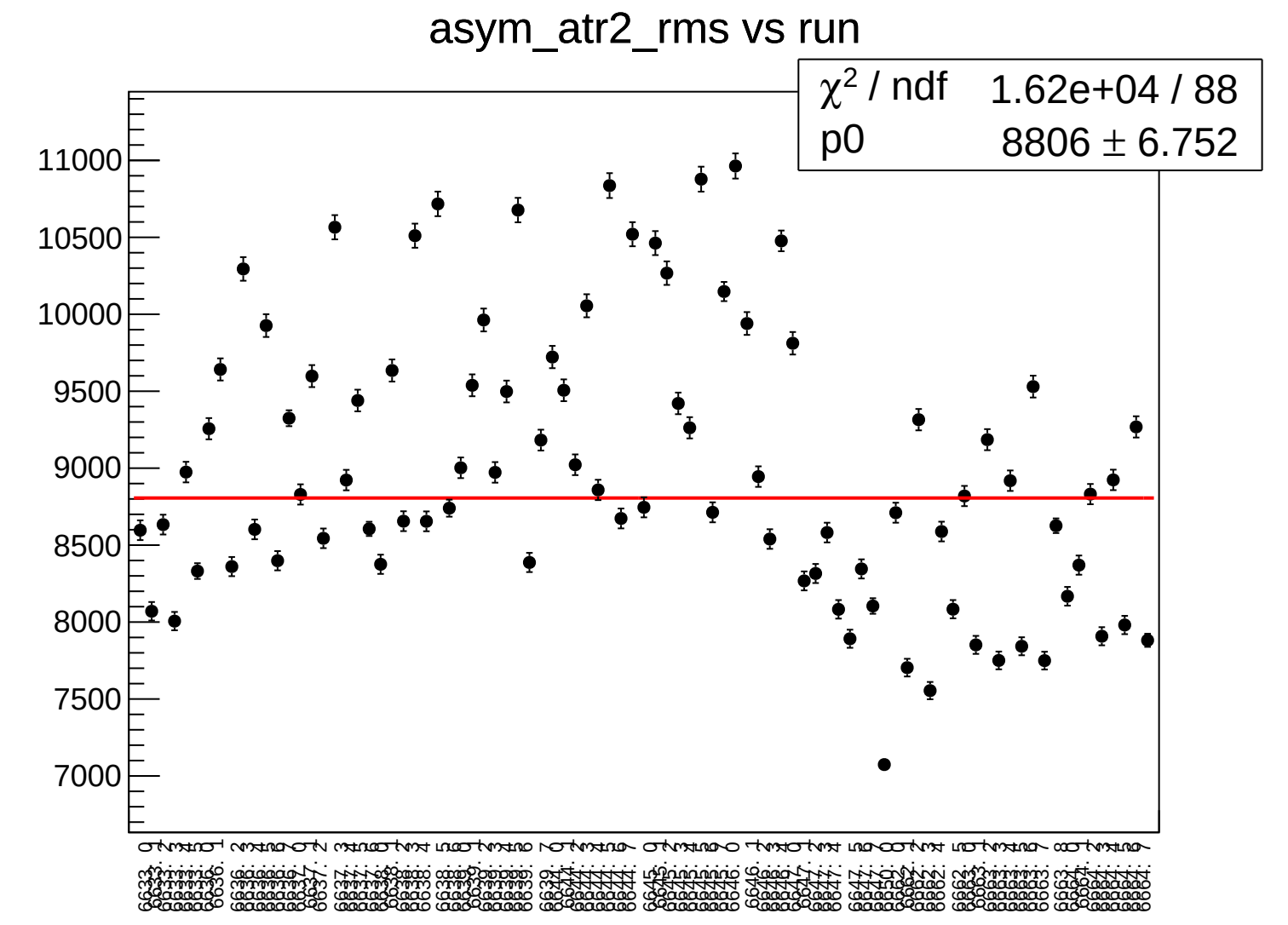

asym_atr2_correction_mean vs run
×10^3
300
200
100
0
−100
−200
−300
χ² / ndf 80.8 / 88
p0 −1.1e+04 ± 9129
pull
Entries 89
Mean 29.28
Std Dev 40.07
2
1
0
−1
−2

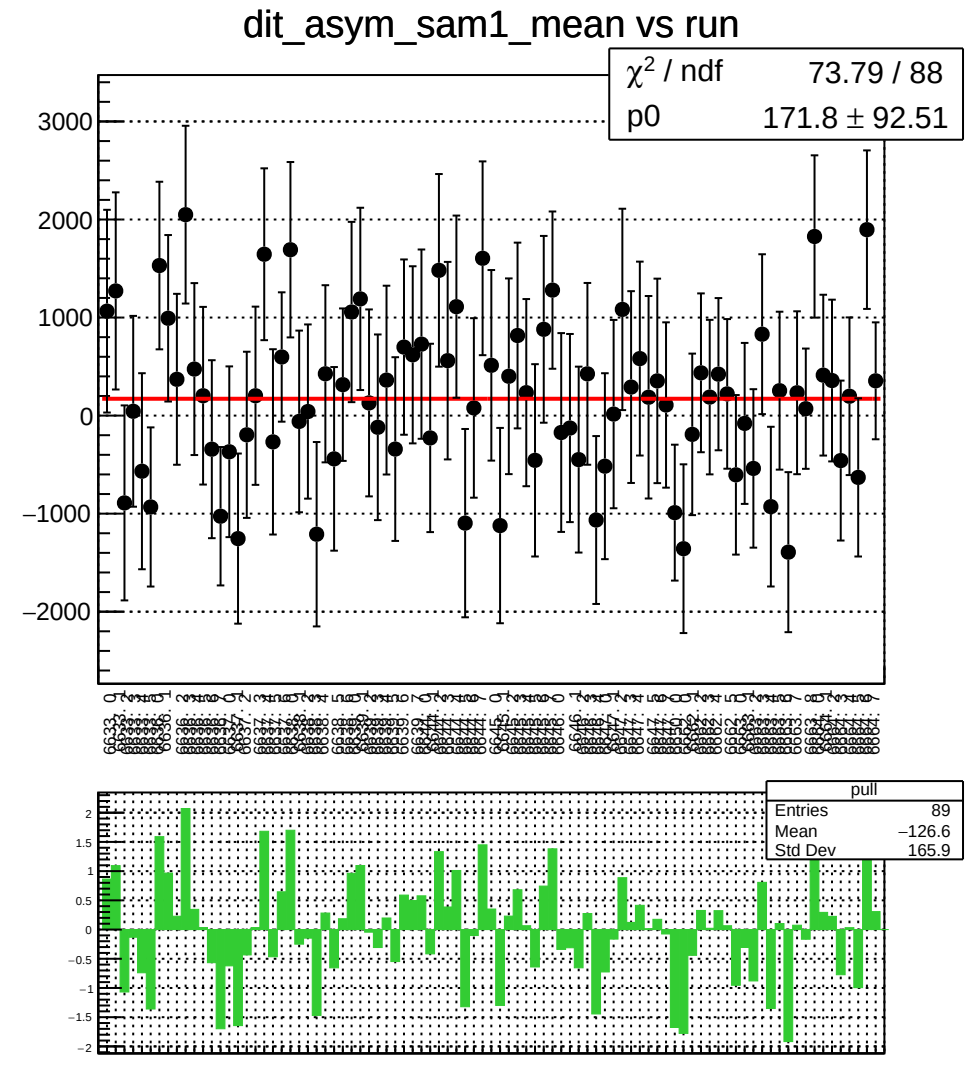

pull1D
Entries 89
Mean −0.02834
Std Dev 0.9524
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

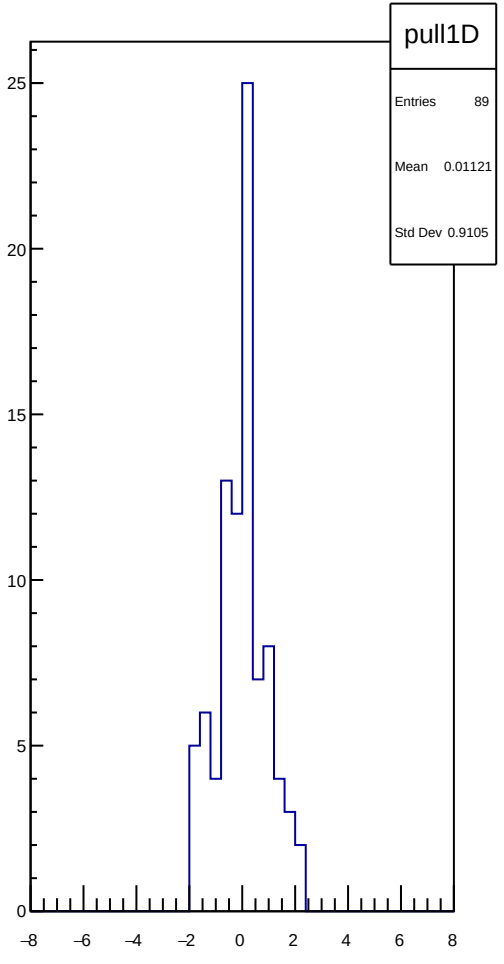

asym_atr2_correction_rms vs run
χ² / ndf 1.887e+04 / 88
p0 8412 ± 6.455
11000
10500
10000
9500
9000
8500
8000
7500
7000
6500

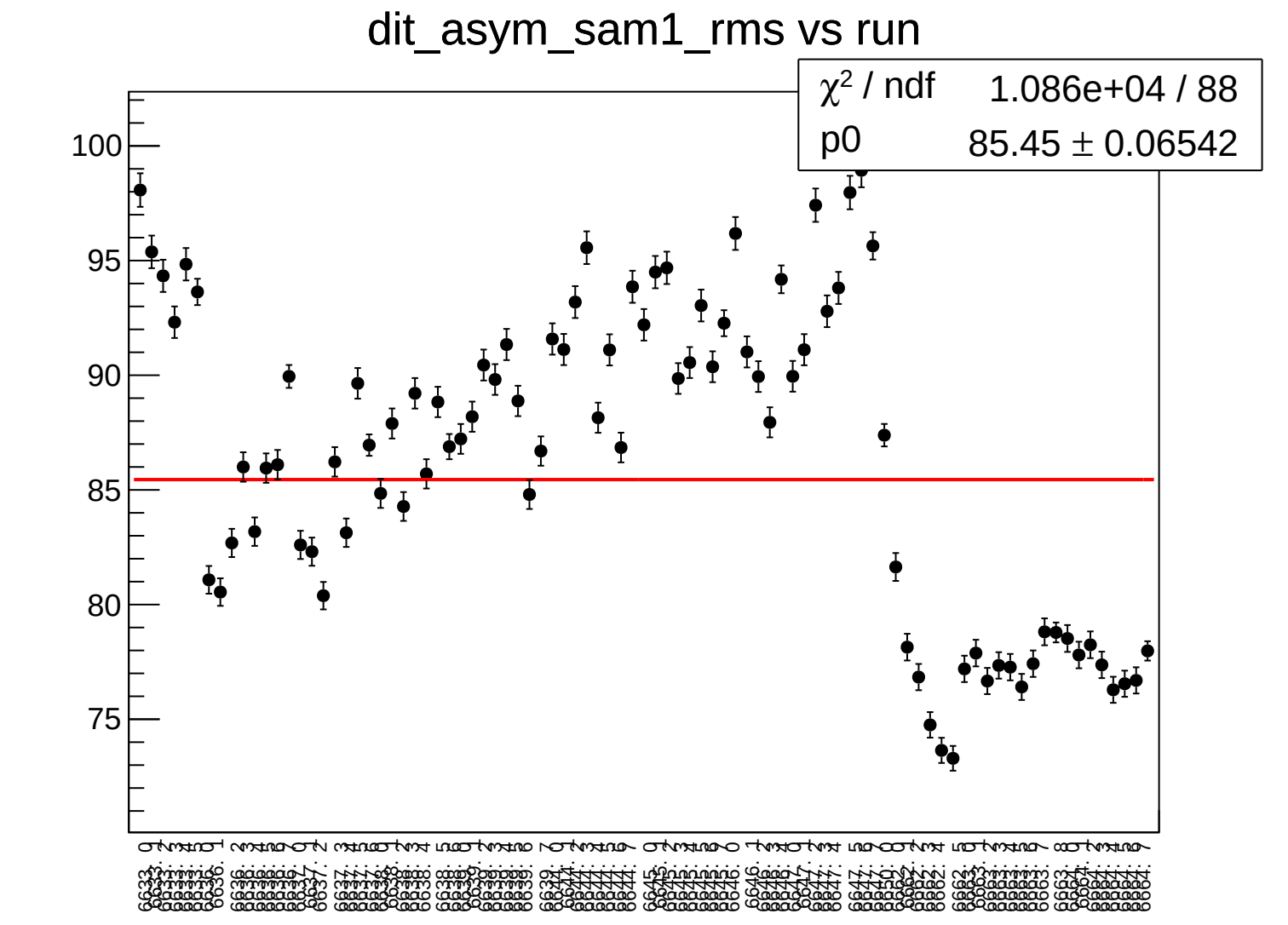

asym_atr2_mean vs run
×10^3
χ² / ndf 87.58 / 88
p0 1.01e+04 ± 9549
pull
Entries 89
Mean 41.66
Std Dev 32.18

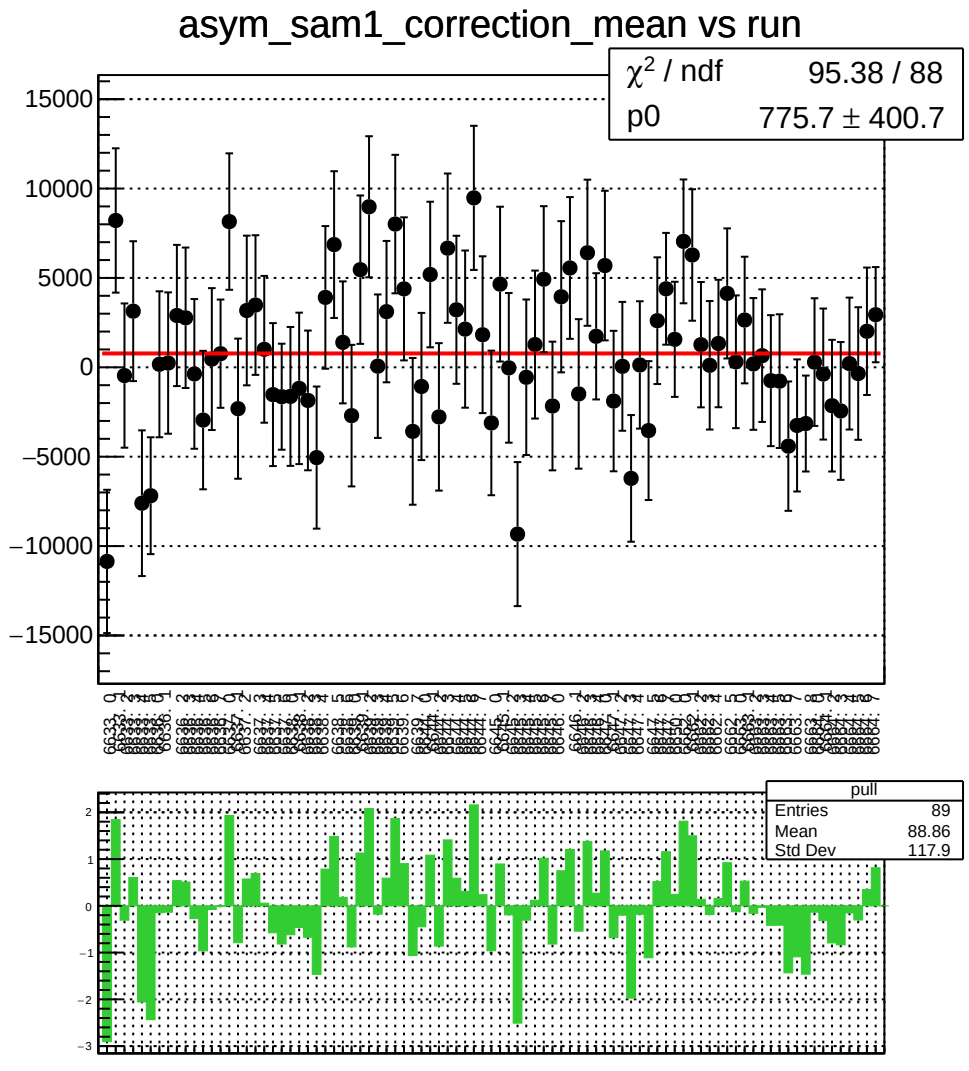

pull1D
Entries 89
Mean 0.02686
Std Dev 0.9916

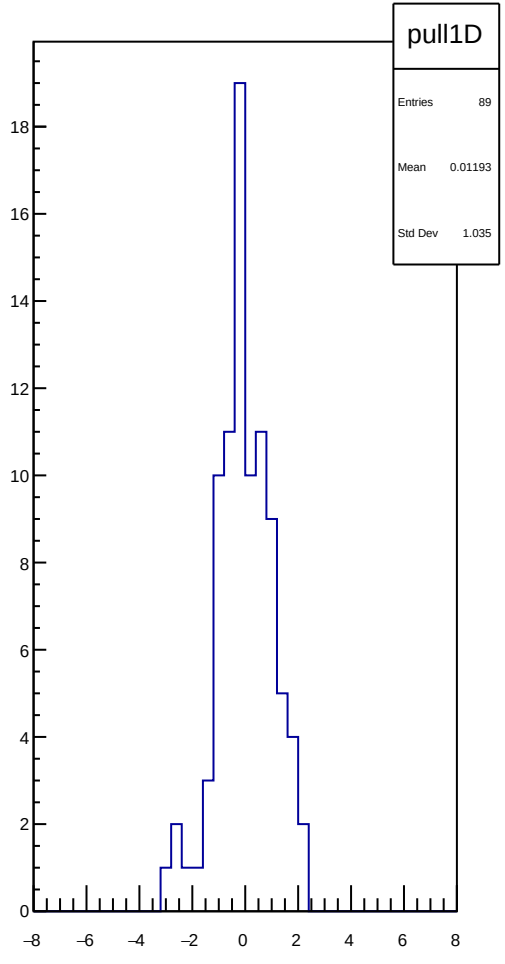

asym_atr2_rms vs run
χ^2 / ndf 1.62e+04 / 88
p0 8806 ± 6.752
11000
10500
10000
9500
9000
8500
8000
7500
7000

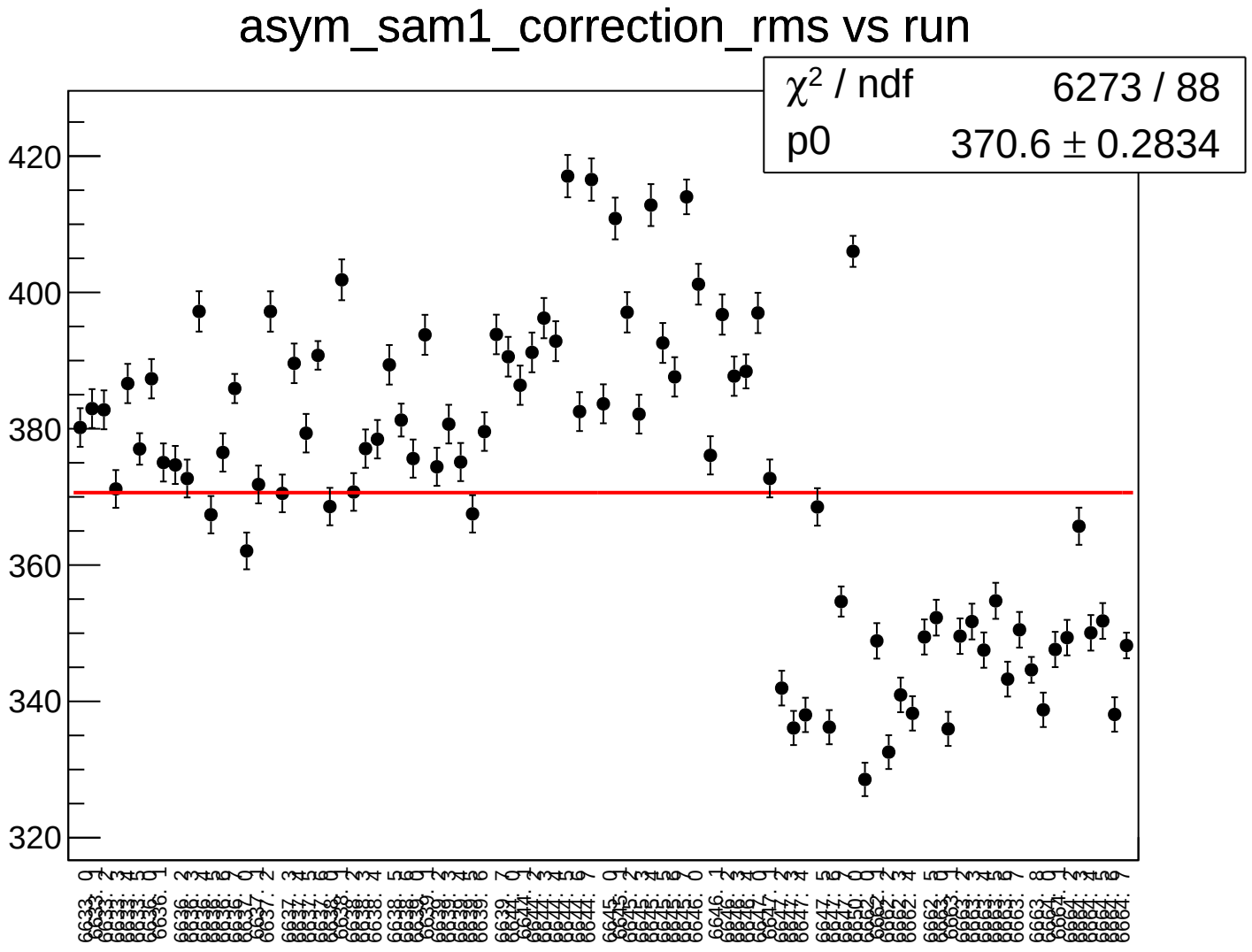

dit_asym_sam1_mean vs run
χ² / ndf 73.79 / 88
p0 171.8 ± 92.51
3000
2000
1000
0
−1000
−2000
pull
Entries 89
Mean −126.6
Std Dev 165.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

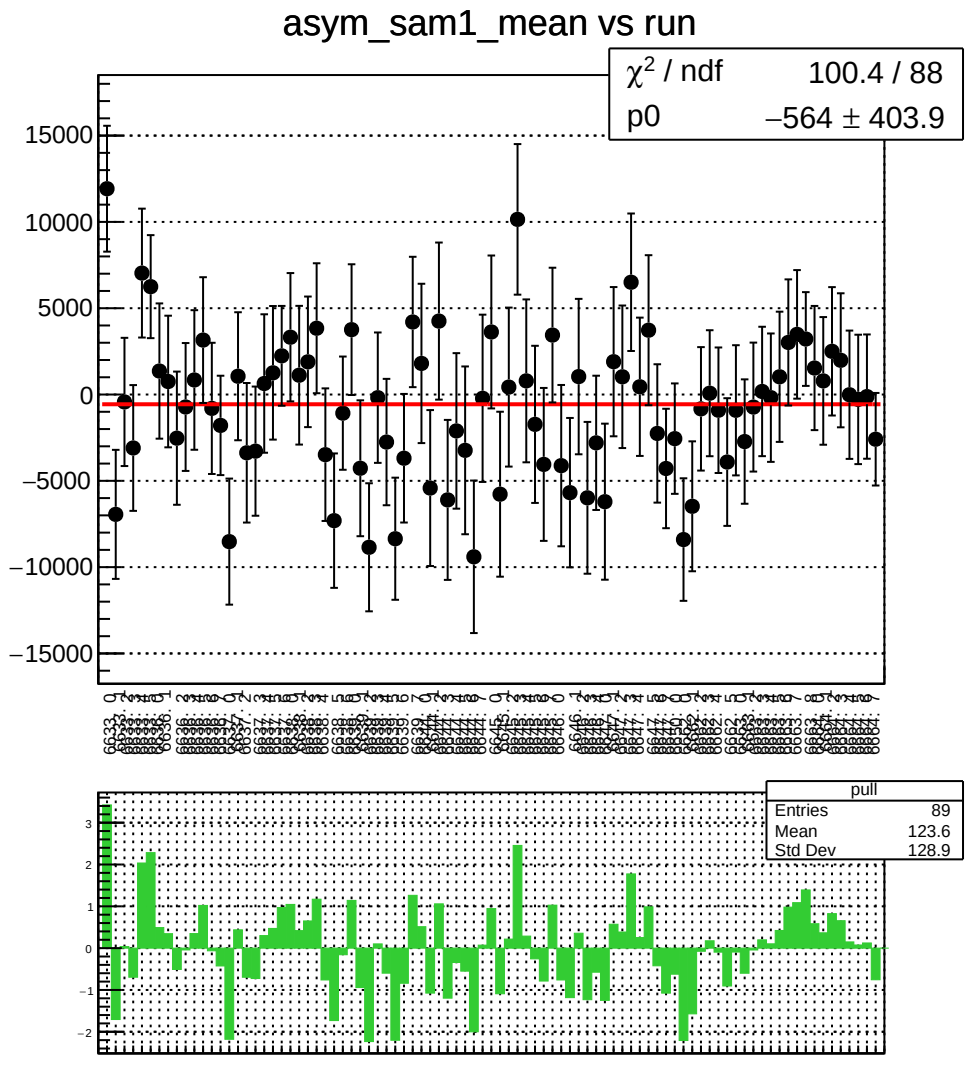

pull1D
Entries 89
Mean 0.01121
Std Dev 0.9105
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

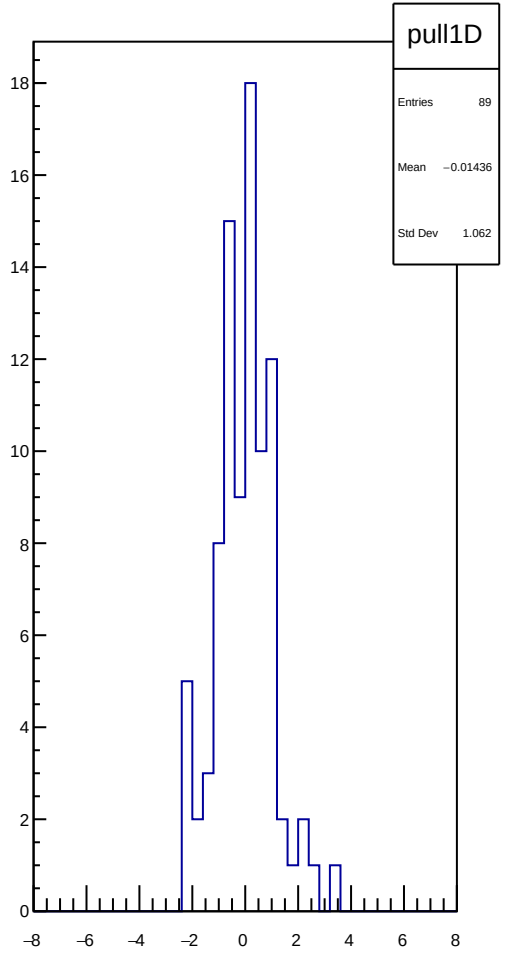

dit_asym_sam1_rms vs run
χ² / ndf 1.086e+04 / 88
p0 85.45 ± 0.06542
100
95
90
85
80
75

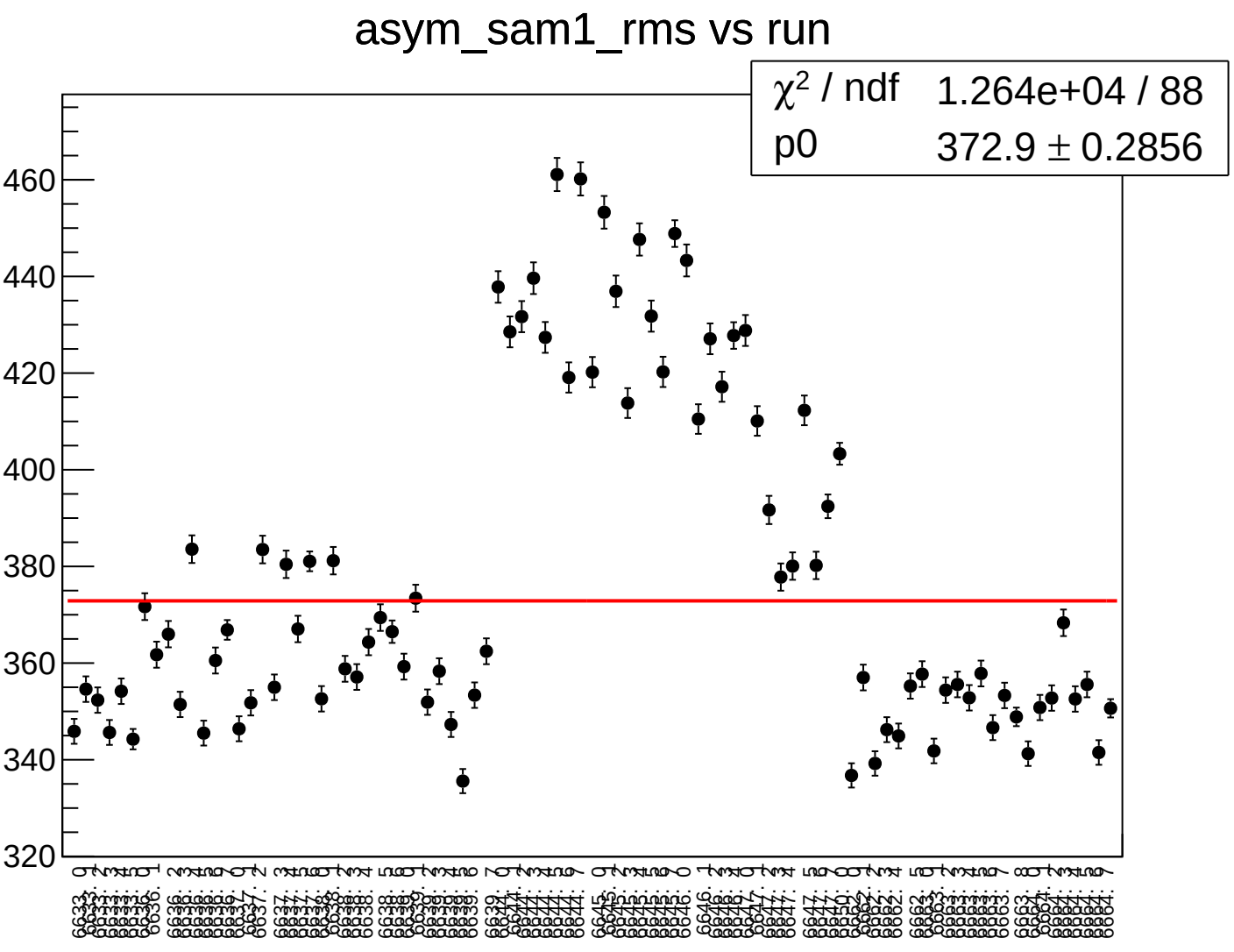

asym_sam1_correction_mean vs run
χ² / ndf 95.38 / 88
p0 775.7 ± 400.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 88.86
Std Dev 117.9
2
1
0
−1
−2
−3

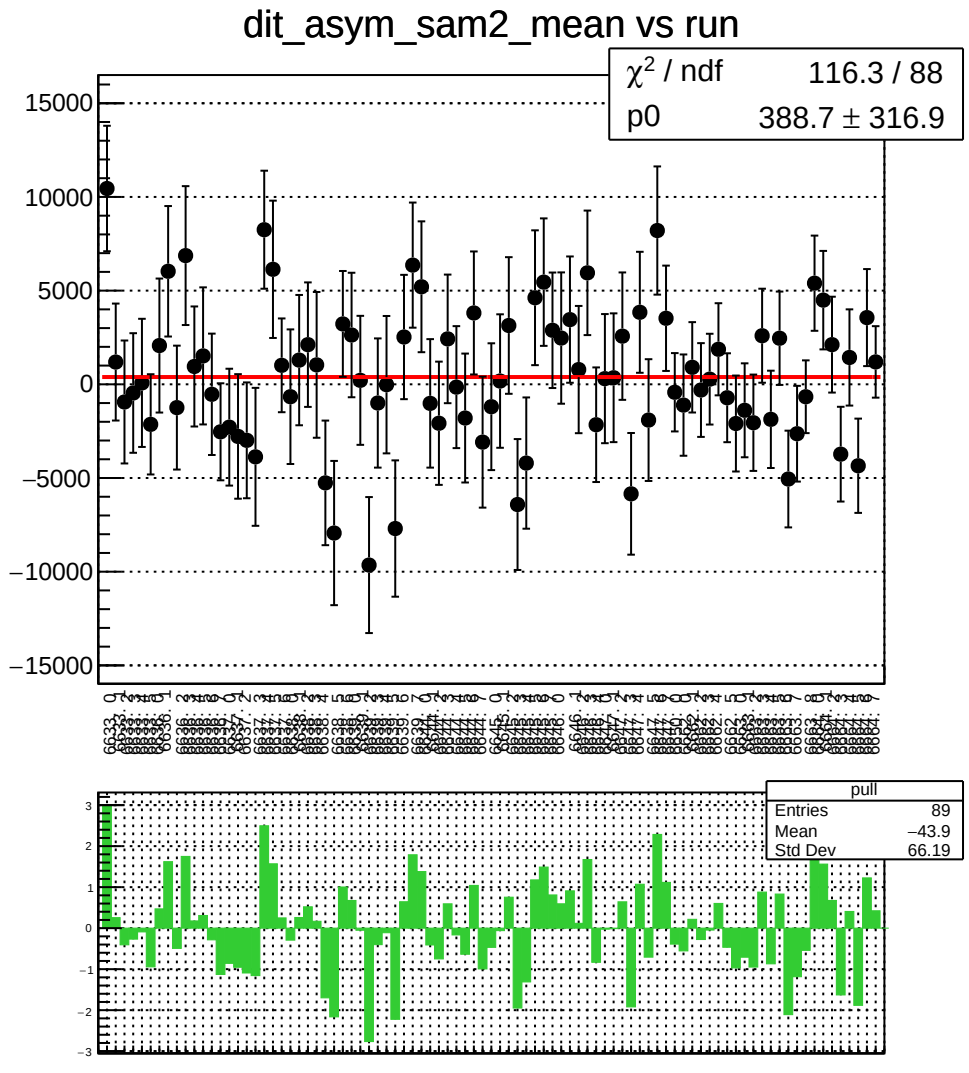

pull1D
Entries 89
Mean 0.01193
Std Dev 1.035
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

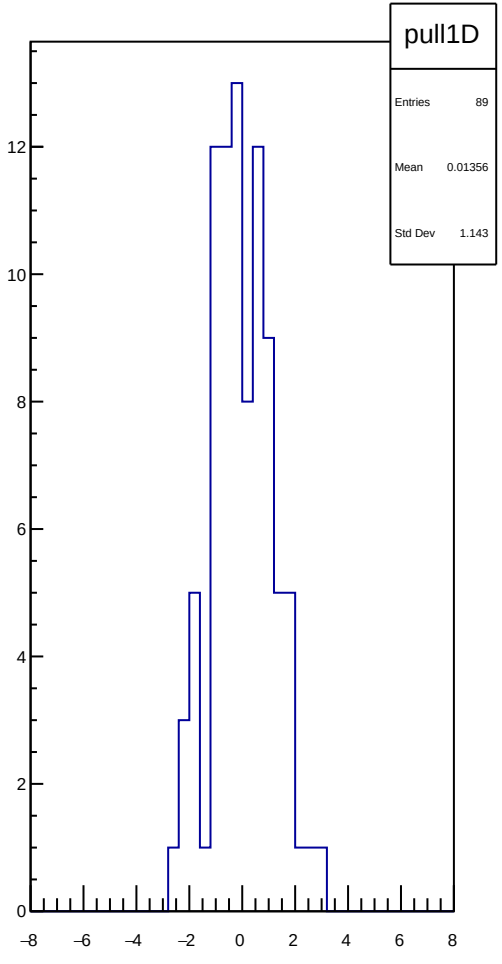

asym_sam1_correction_rms vs run
χ² / ndf 6273 / 88
p0 370.6 ± 0.2834
420
400
380
360
340
320

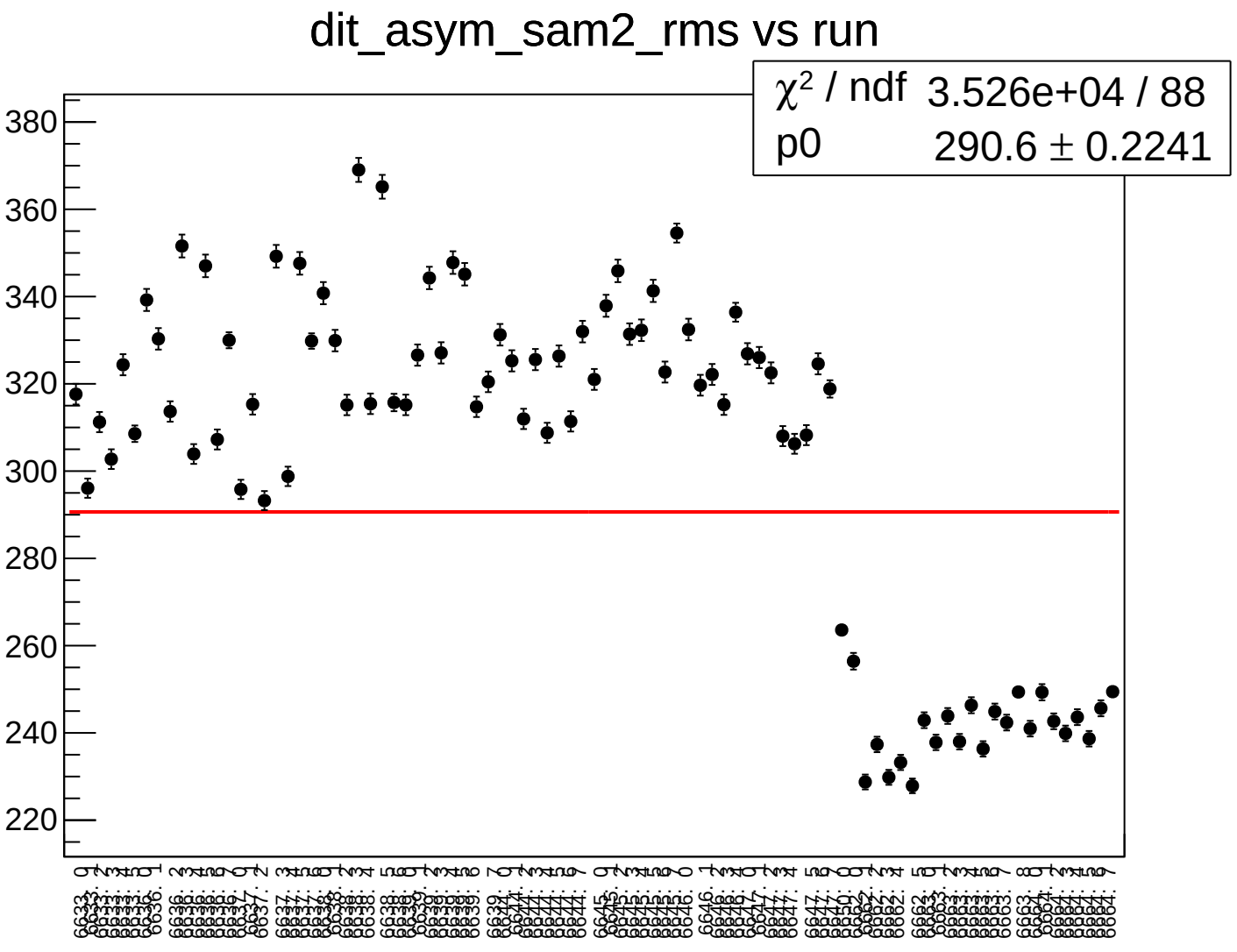

asym_sam1_mean vs run
χ² / ndf 100.4 / 88
p0 −564 ± 403.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 123.6
Std Dev 128.9
3
2
1
0
−1
−2

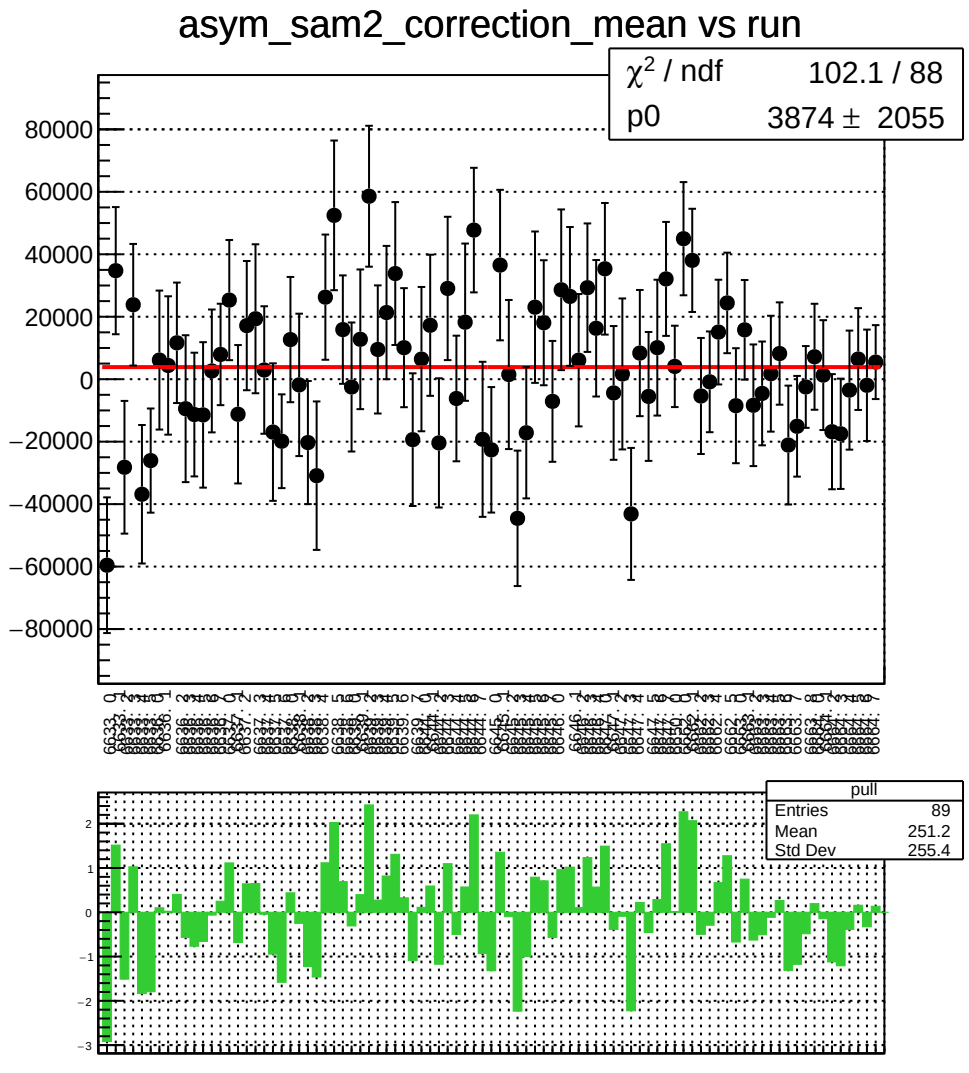

pull1D
Entries 89
Mean −0.01436
Std Dev 1.062
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

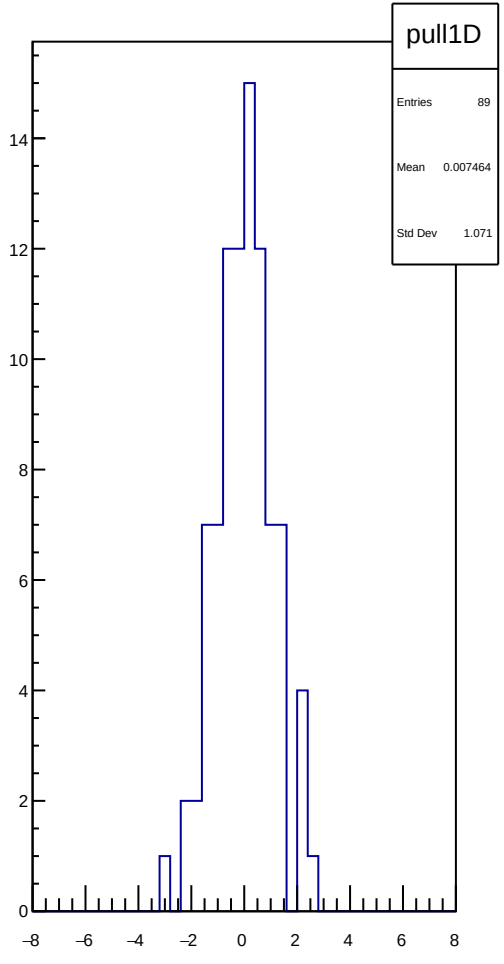

asym_sam1_rms vs run
χ² / ndf 1.264e+04 / 88
p0 372.9 ± 0.2856
460
440
420
400
380
360
340
320


dit_asym_sam2_mean vs run
χ² / ndf 116.3 / 88
p0 388.7 ± 316.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −43.9
Std Dev 66.19
3
2
1
0
−1
−2
−3

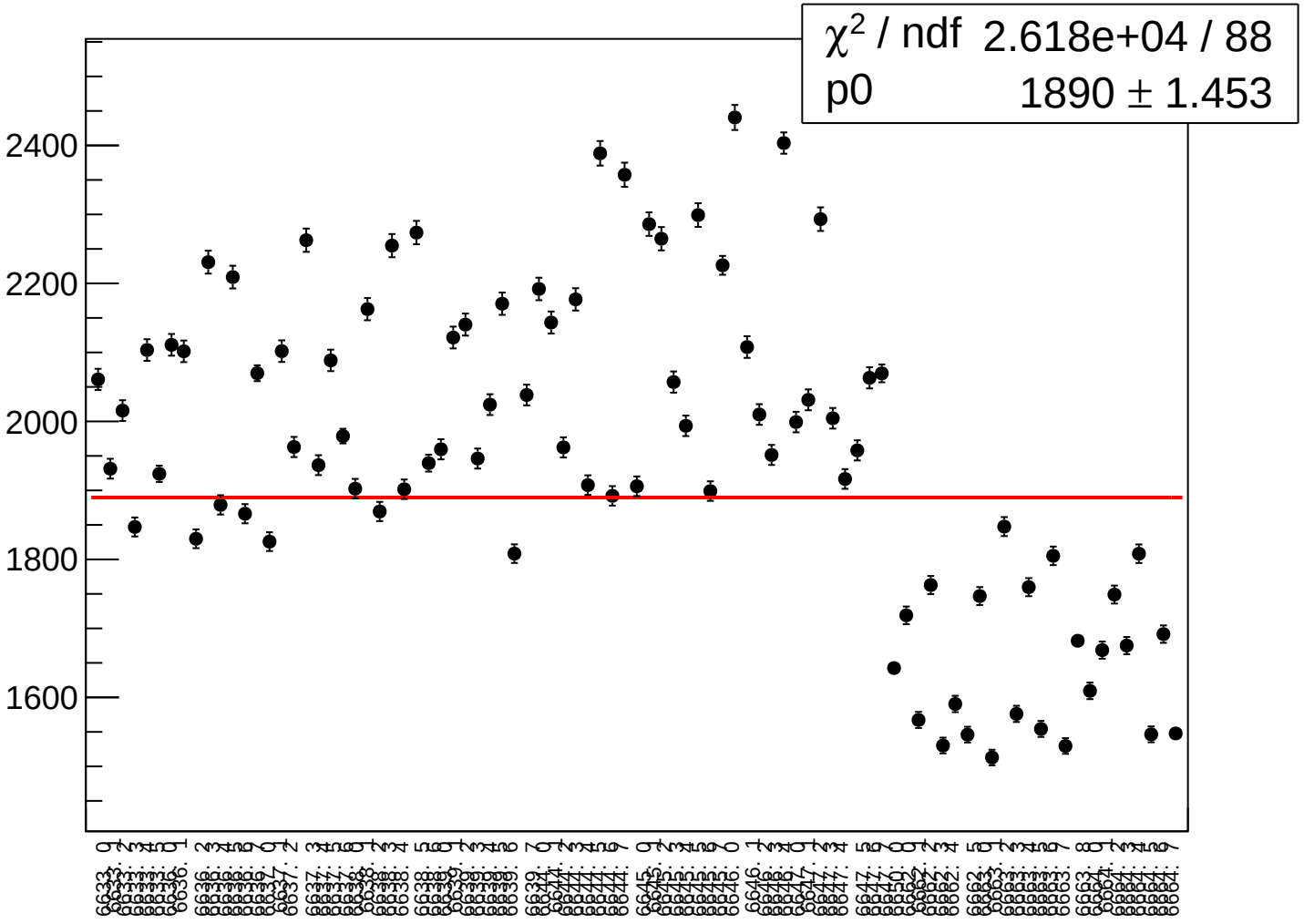

pull1D
Entries 89
Mean 0.01356
Std Dev 1.143
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

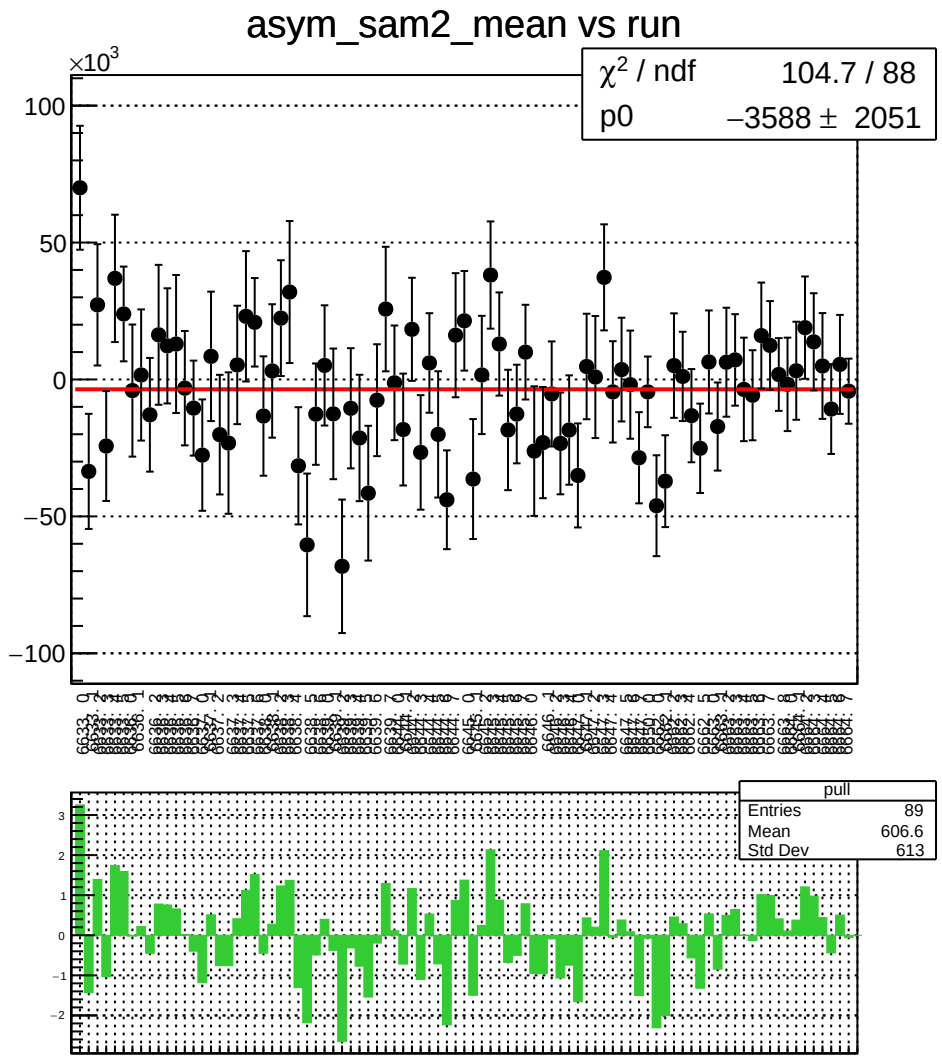

dit_asym_sam2_rms vs run
χ² / ndf 3.526e+04 / 88
p0 290.6 ± 0.2241
380
360
340
320
300
280
260
240
220

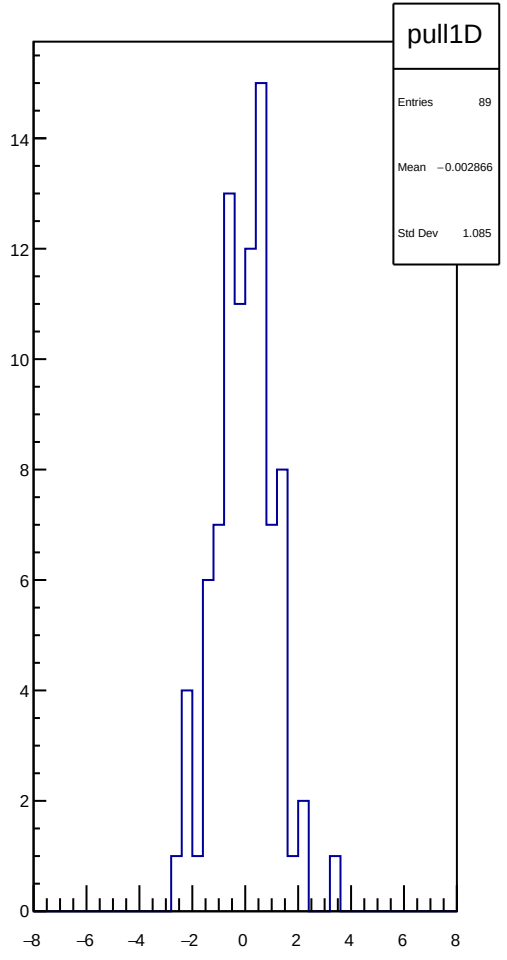

asym_sam2_correction_mean vs run
χ² / ndf 102.1 / 88
p0 3874 ± 2055
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 251.2
Std Dev 255.4
2
1
0
−1
−2
−3

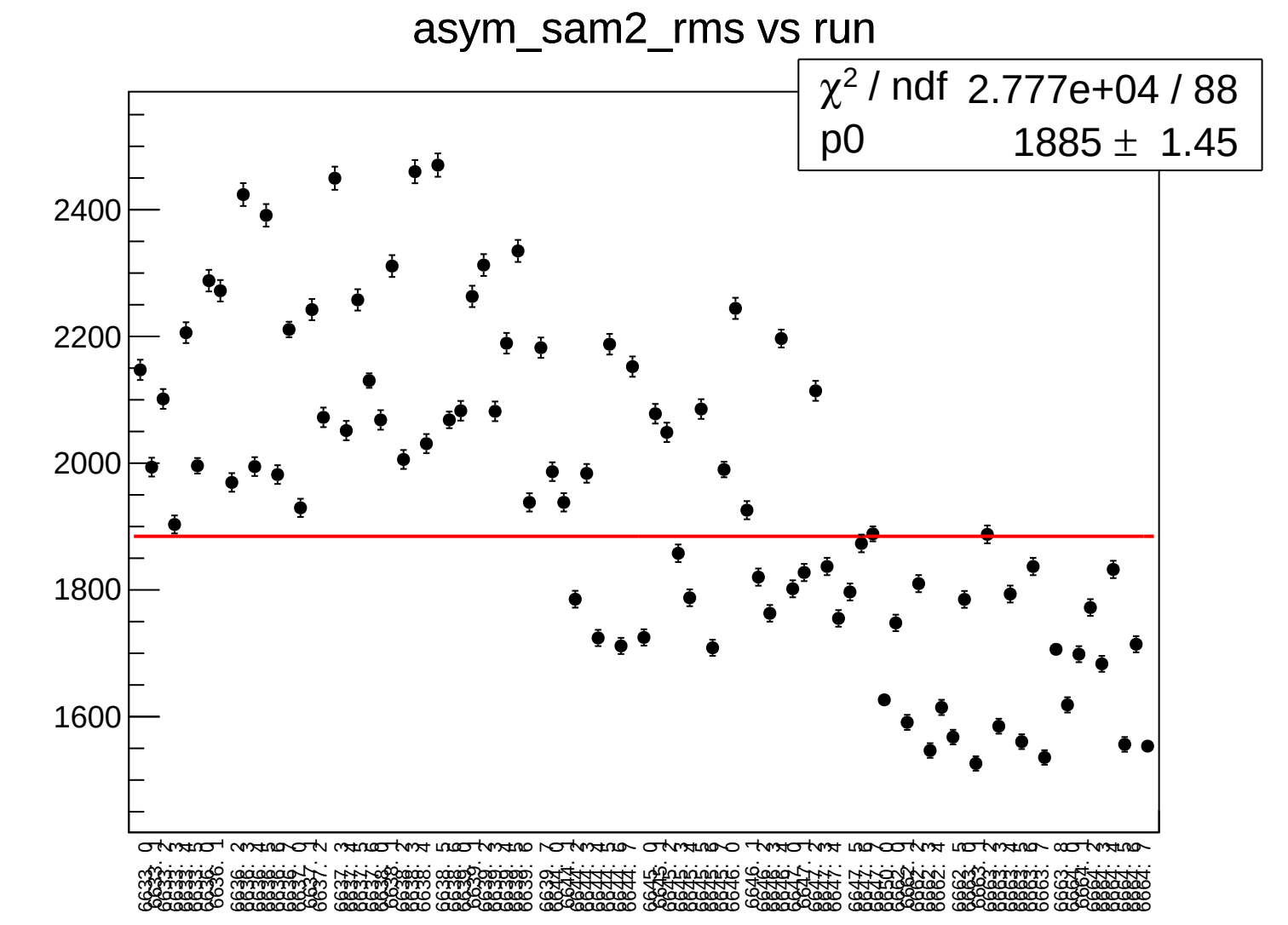

pull1D
Entries 89
Mean 0.007464
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

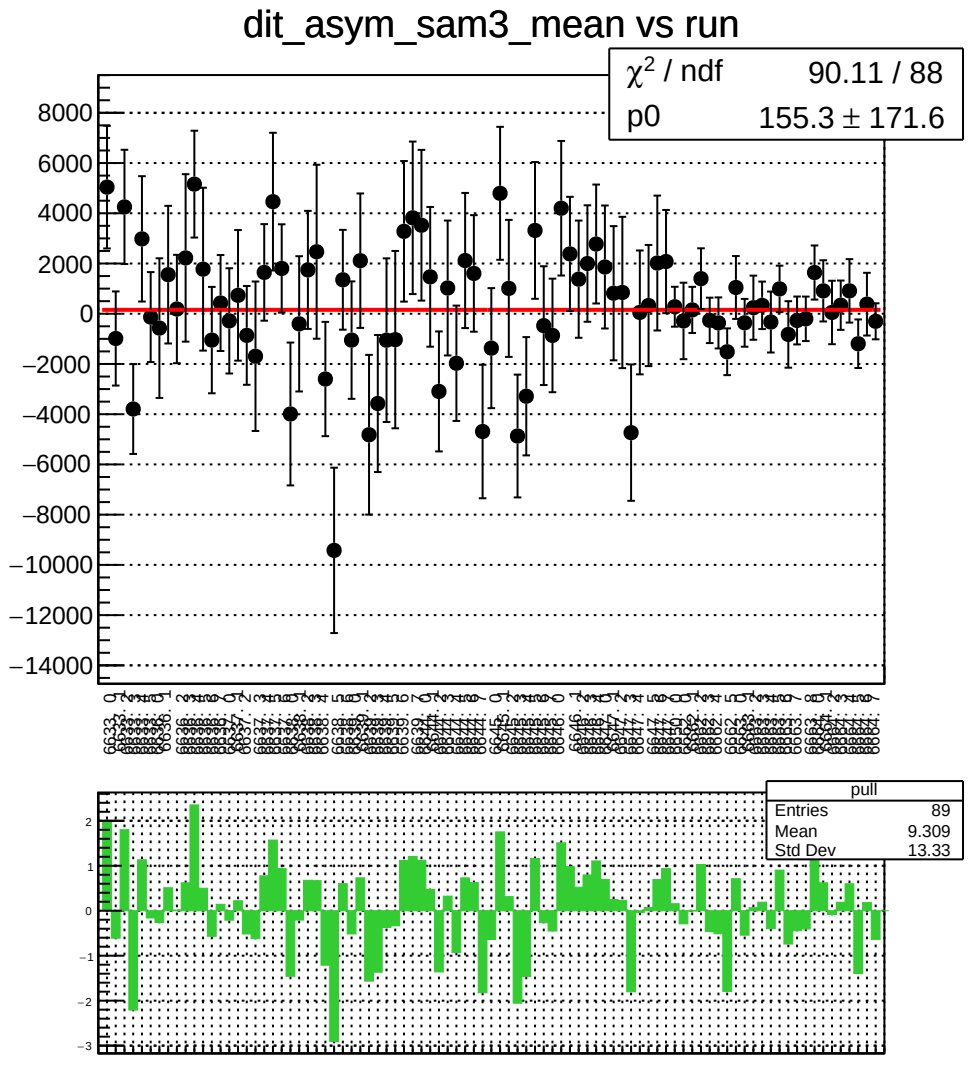
asym_sam2_correction_rms vs run

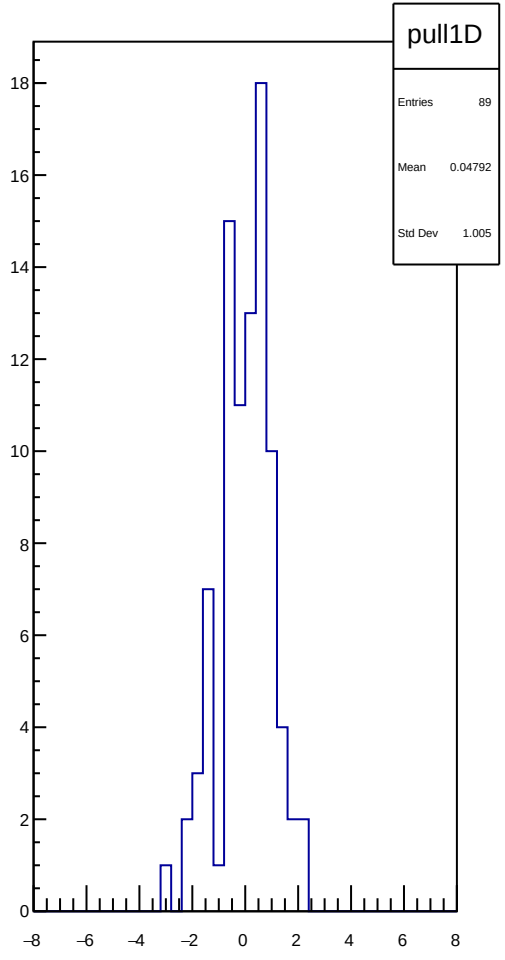


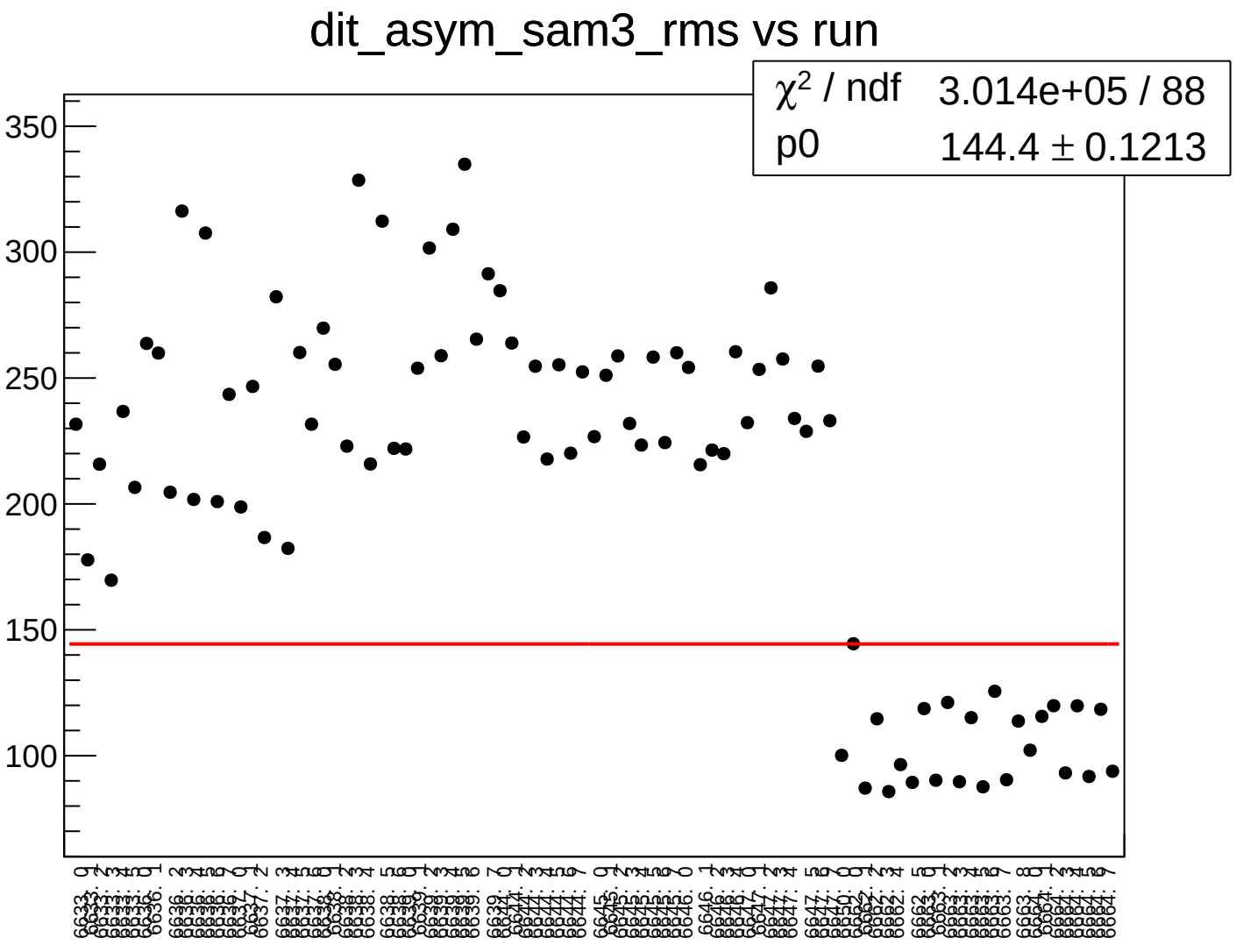

asym_sam2_mean vs run
×10^3
χ² / ndf 104.7 / 88
p0 −3588 ± 2051
100
50
0
−50
−100
pull
Entries 89
Mean 606.6
Std Dev 613
3
2
1
0
−1
−2

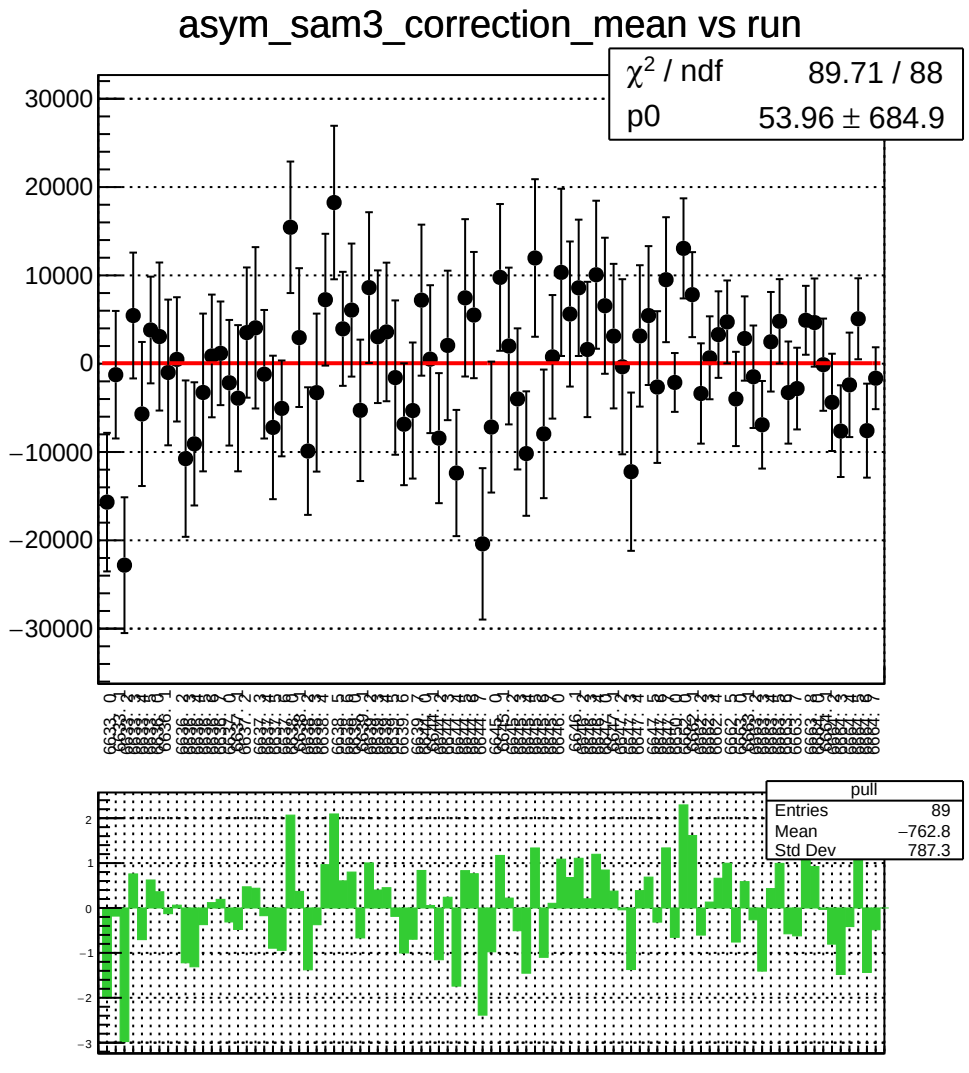

pull1D
Entries 89
Mean −0.002866
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

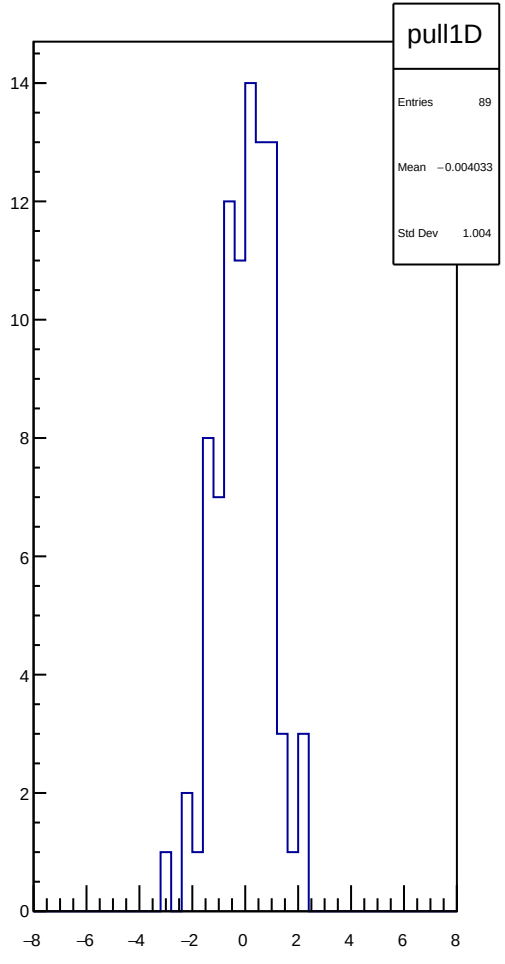

asym_sam2_rms vs run
χ^2 / ndf 2.777e+04 / 88
p0 1885 ± 1.45
2400
2200
2000
1800
1600

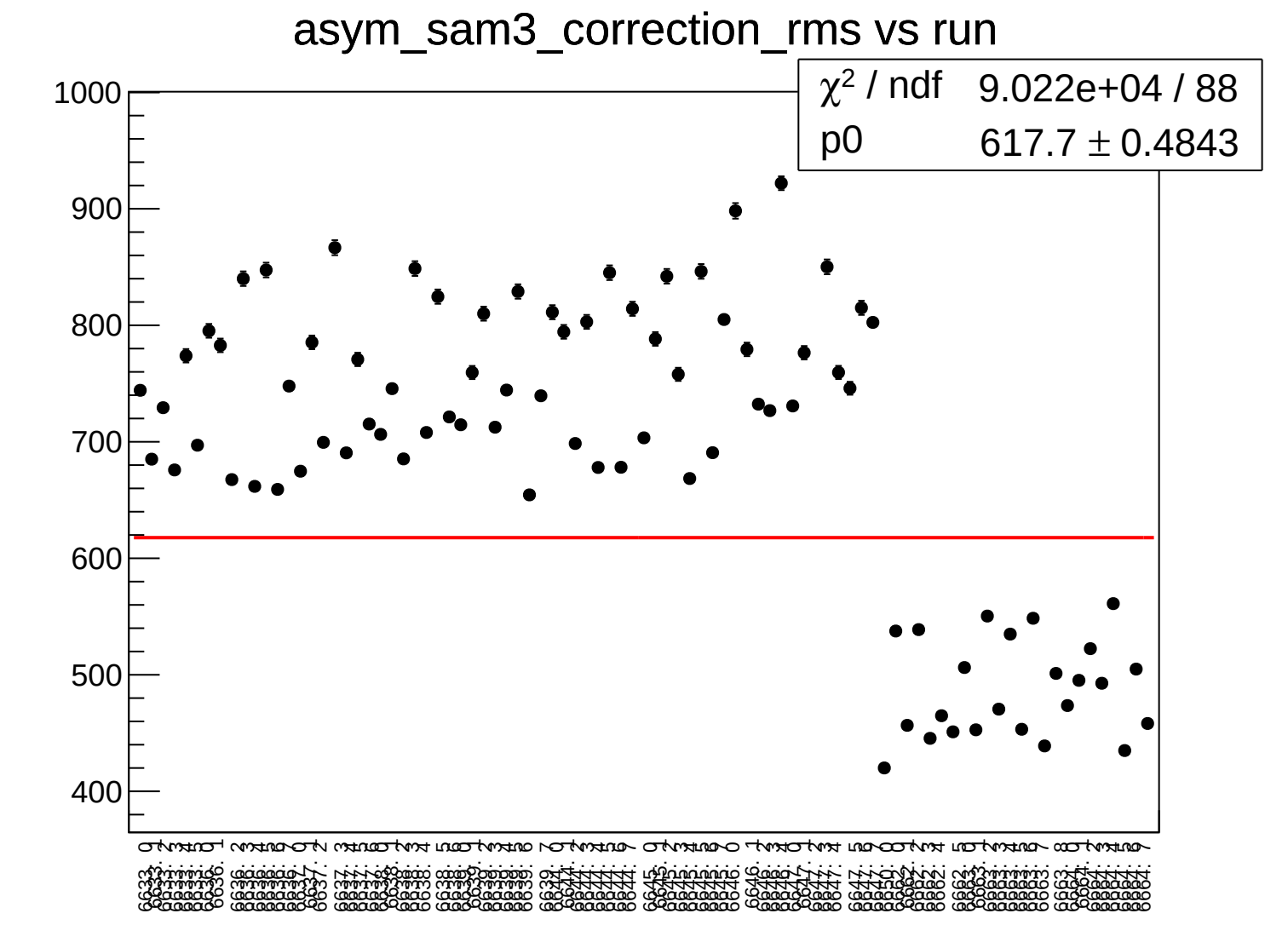

dit_asym_sam3_mean vs run
χ² / ndf 90.11 / 88
p0 155.3 ± 171.6
pull
Entries 89
Mean 9.309
Std Dev 13.33

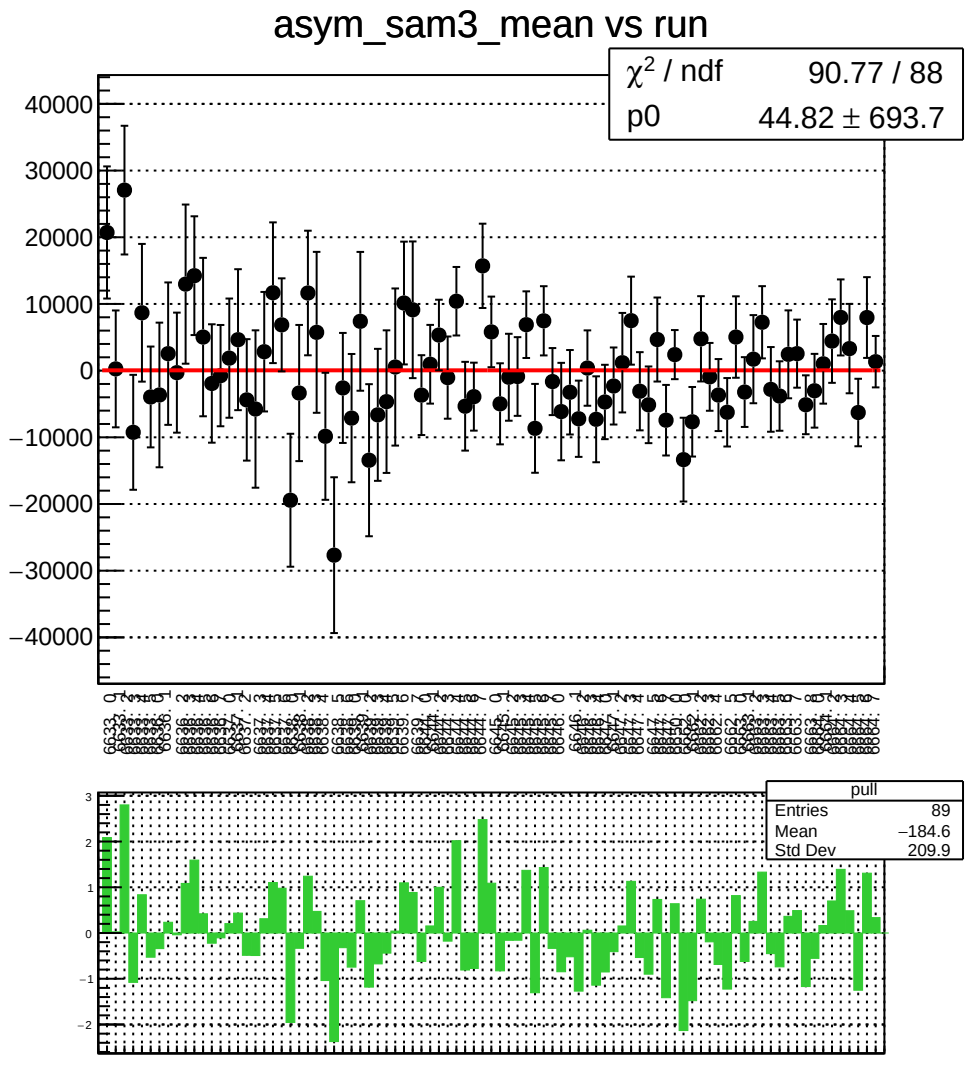

pull1D
Entries 89
Mean 0.04792
Std Dev 1.005

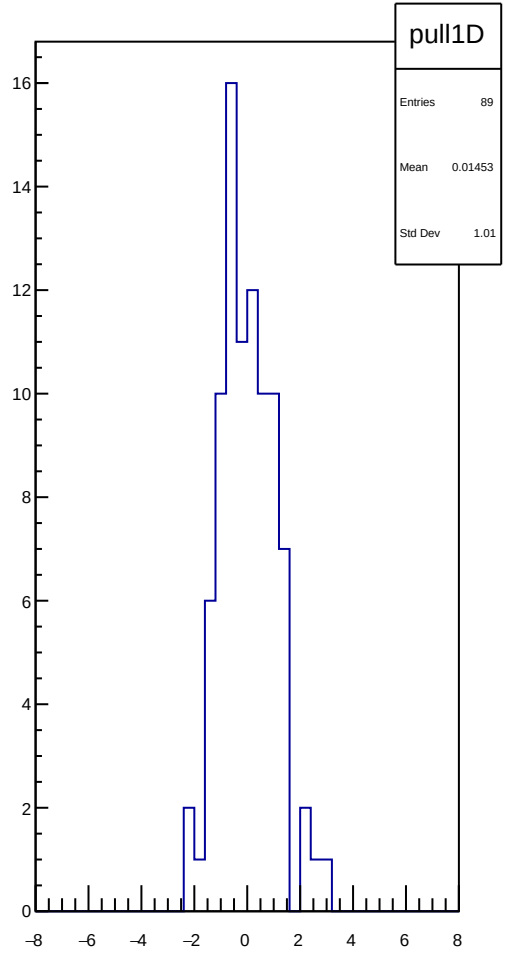

dit_asym_sam3_rms vs run
χ² / ndf 3.014e+05 / 88
p0 144.4 ± 0.1213
350
300
250
200
150
100

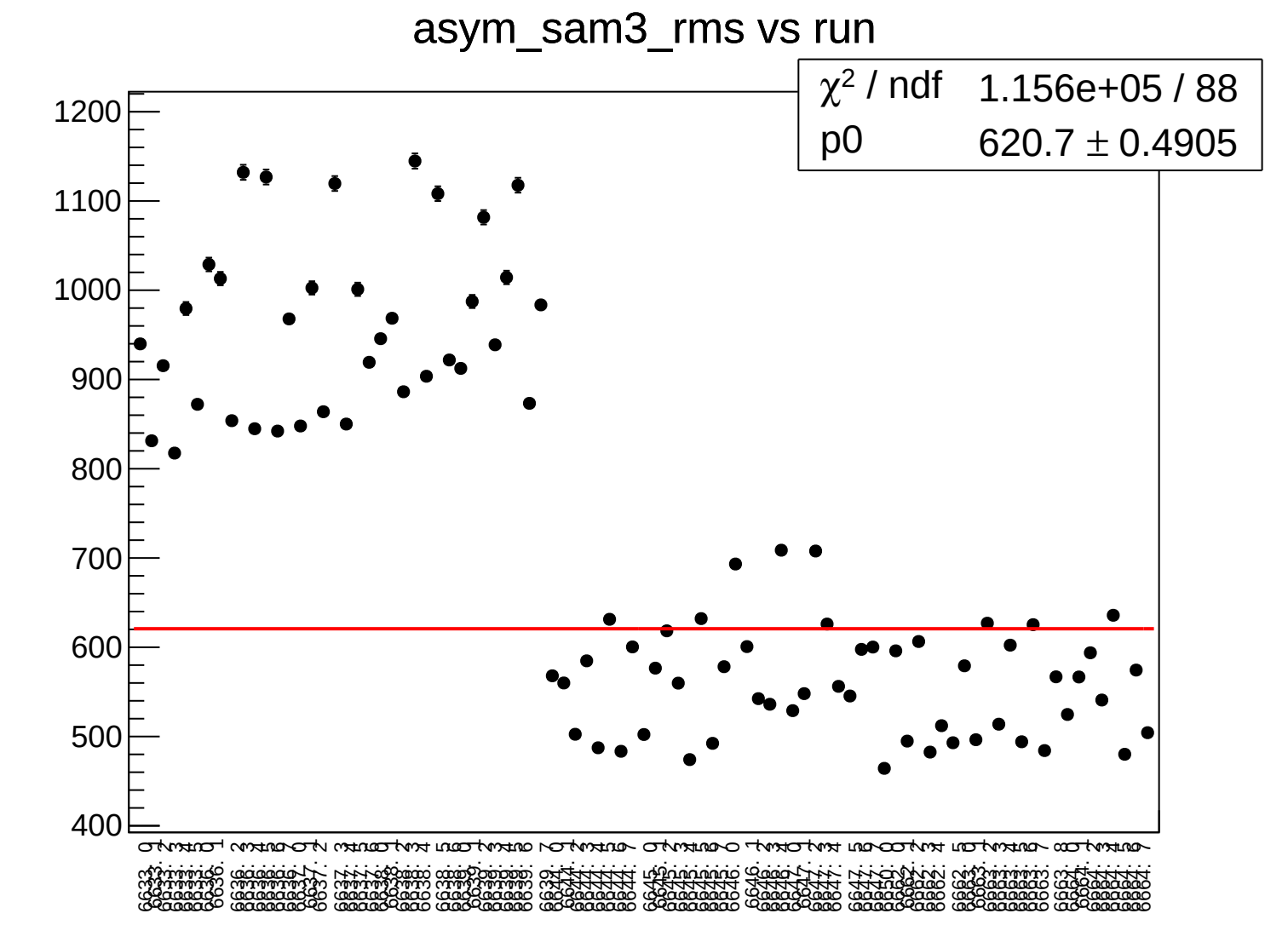

asym_sam3_correction_mean vs run
χ² / ndf 89.71 / 88
p0 53.96 ± 684.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −762.8
Std Dev 787.3
2
1
0
−1
−2
−3

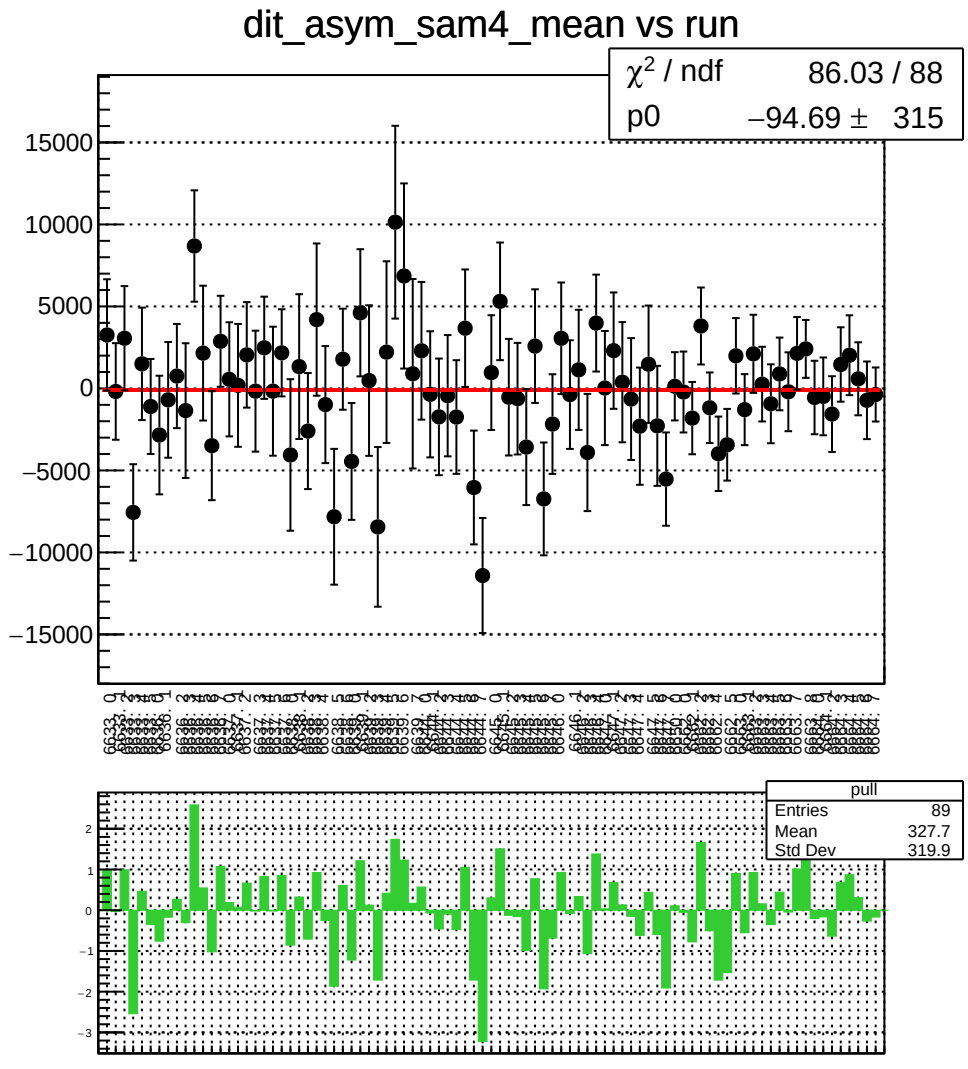

pull1D
Entries 89
Mean −0.004033
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

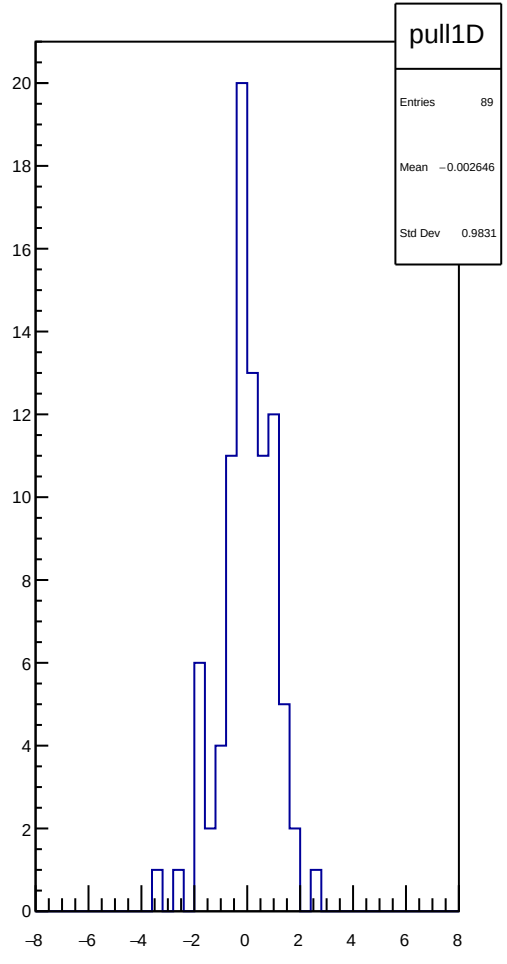

asym_sam3_correction_rms vs run
χ^2 / ndf 9.022e+04 / 88
p0 617.7 ± 0.4843
1000
900
800
700
600
500
400

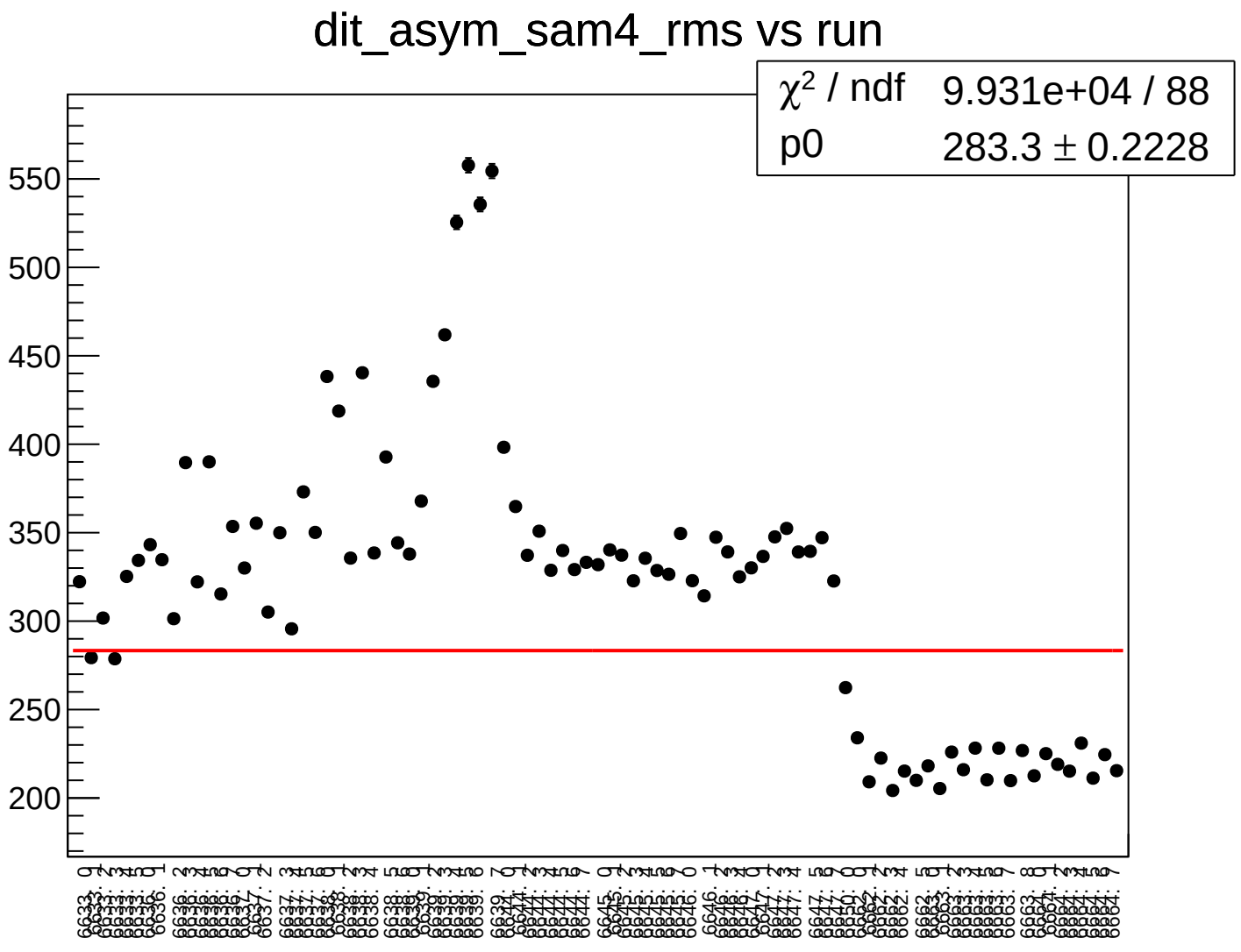

asym_sam3_mean vs run
χ² / ndf 90.77 / 88
p0 44.82 ± 693.7
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean −184.6
Std Dev 209.9
3
2
1
0
−1
−2

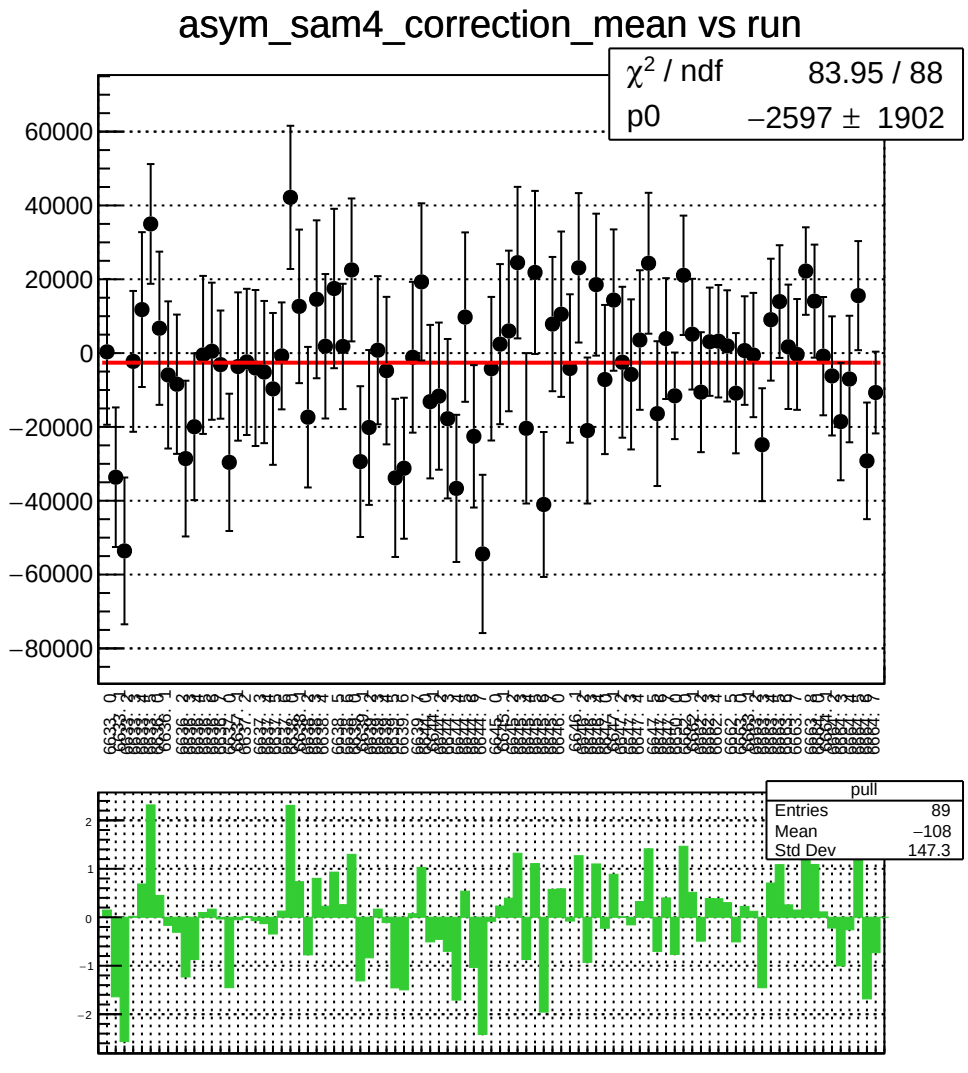

pull1D
Entries 89
Mean 0.01453
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

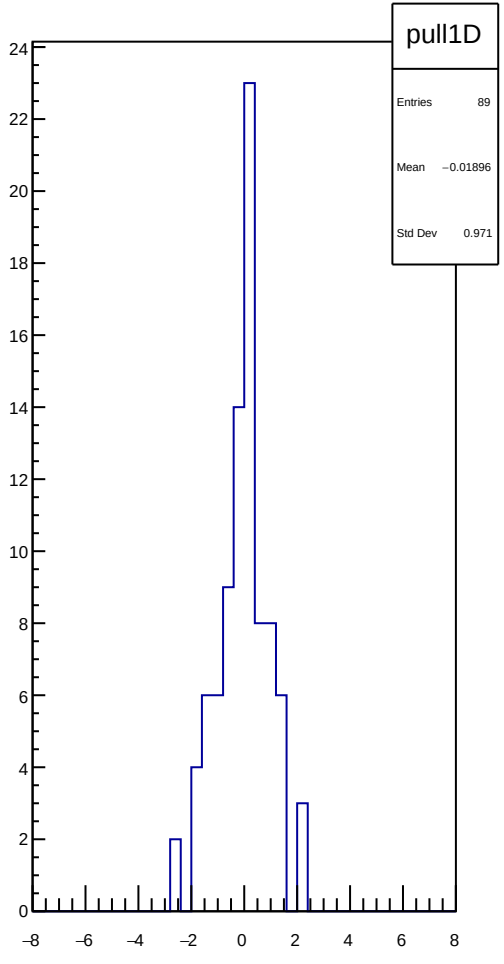

asym_sam3_rms vs run
χ^2 / ndf 1.156e+05 / 88
p0 620.7 ± 0.4905
1200
1100
1000
900
800
700
600
500
400

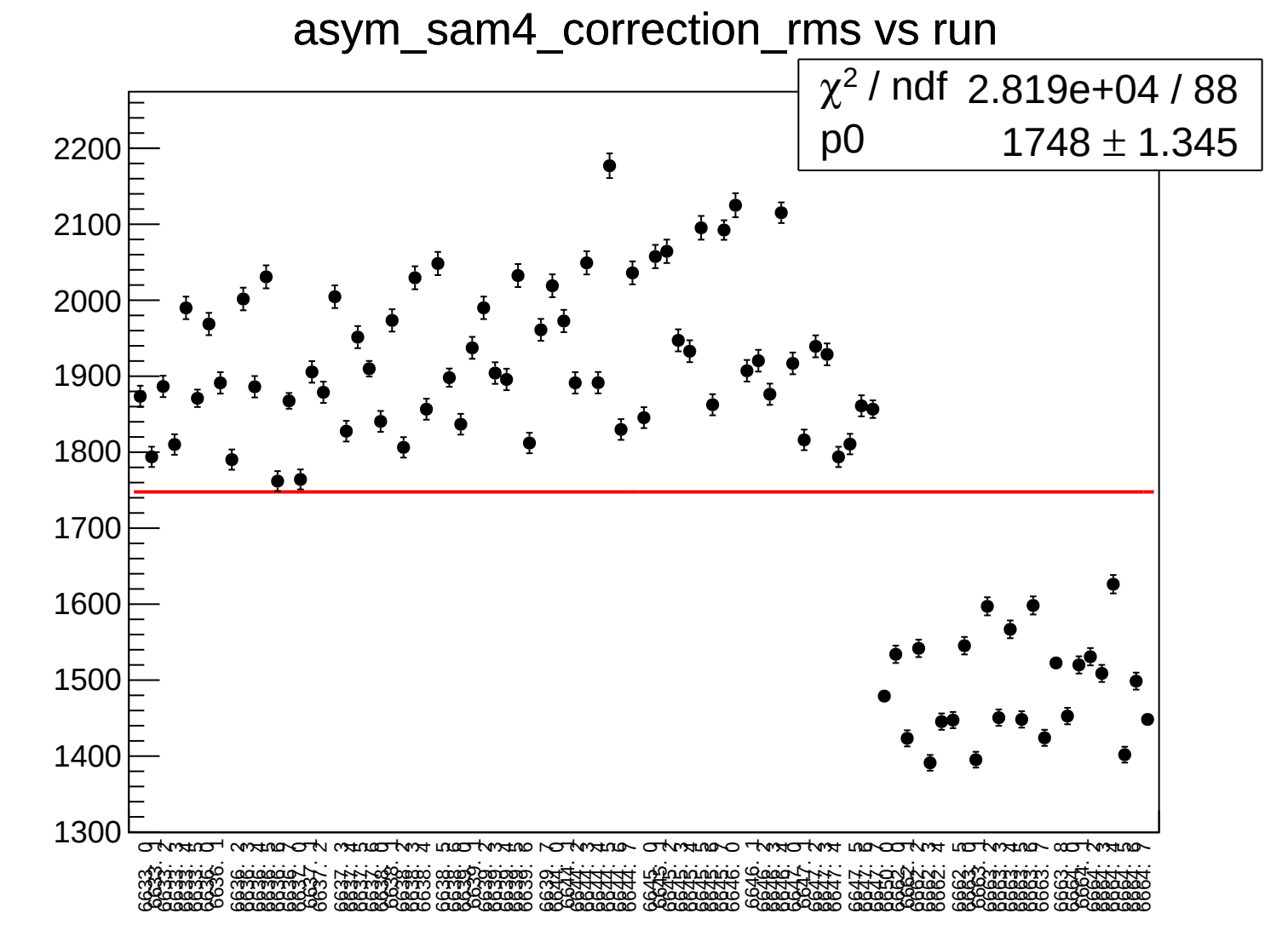

dit_asym_sam4_mean vs run
χ² / ndf 86.03 / 88
p0 −94.69 ± 315
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 327.7
Std Dev 319.9
2
1
0
−1
−2
−3

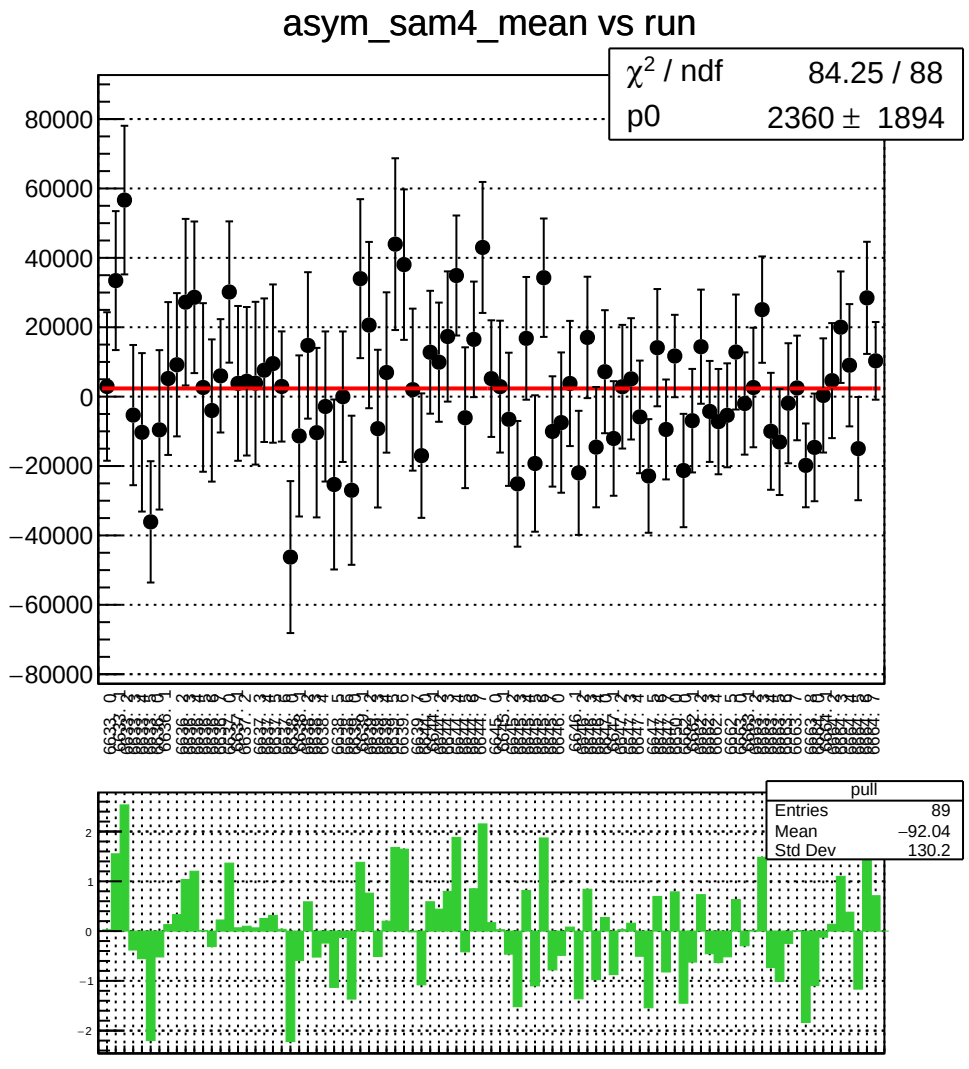

pull1D
Entries 89
Mean −0.002646
Std Dev 0.9831
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

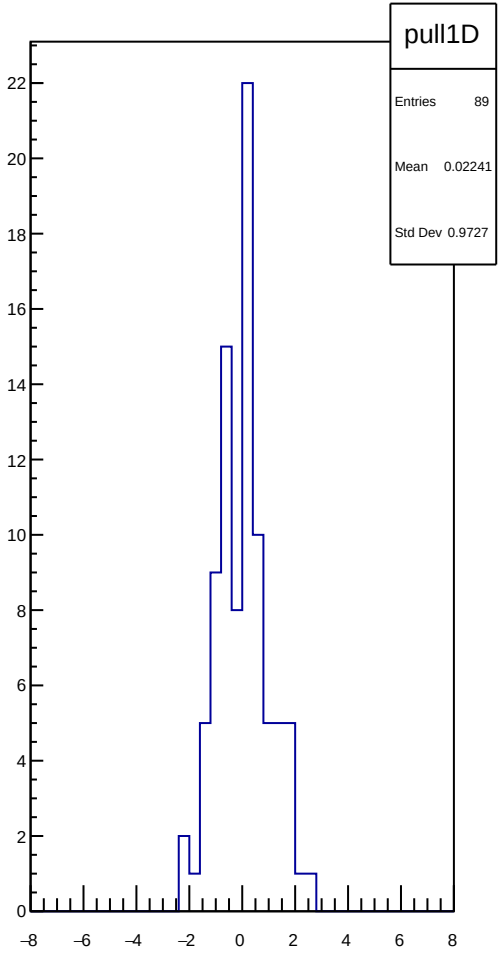

dit_asym_sam4_rms vs run
χ² / ndf 9.931e+04 / 88
p0 283.3 ± 0.2228
550
500
450
400
350
300
250
200

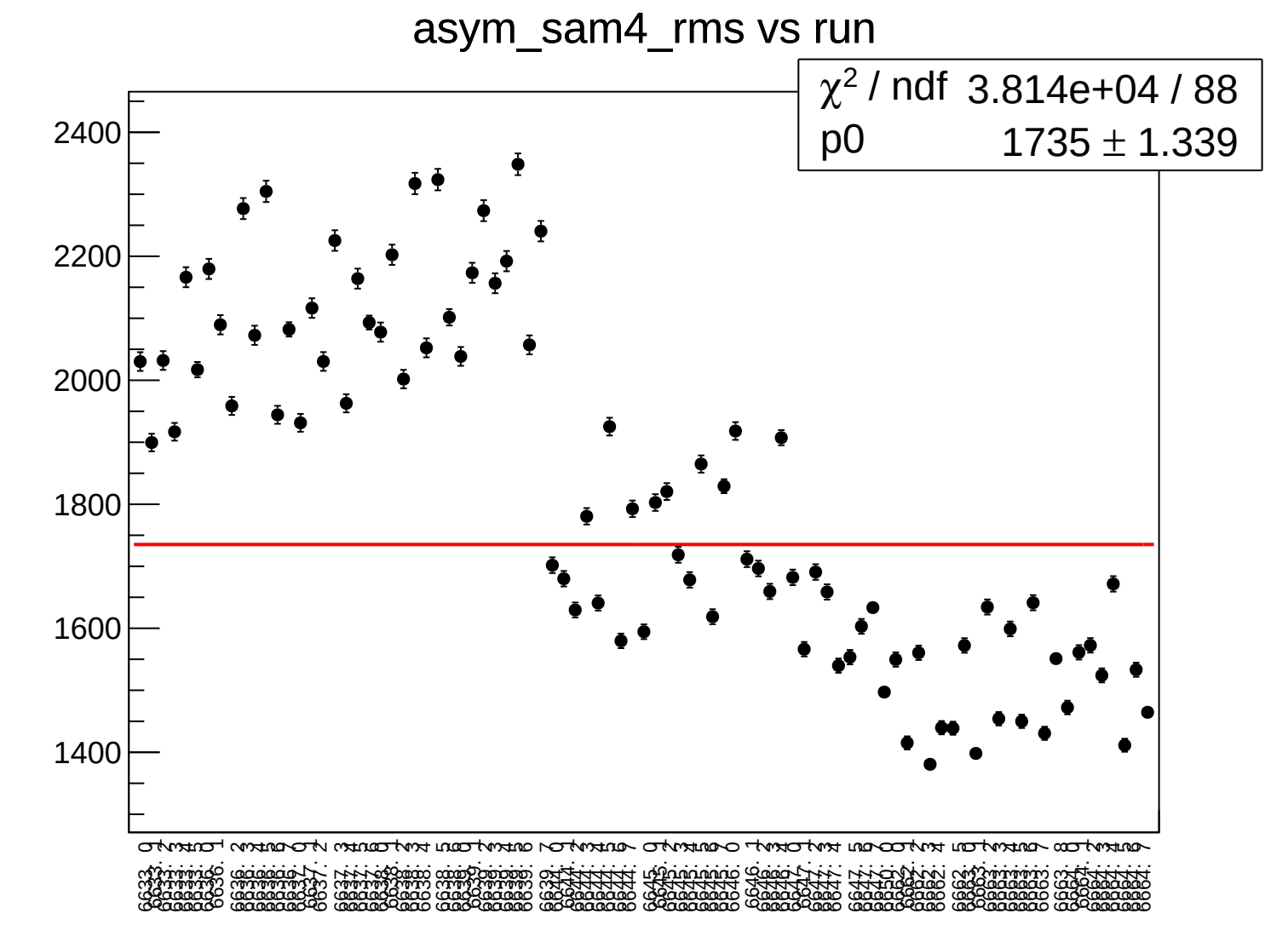

asym_sam4_correction_mean vs run
χ² / ndf 83.95 / 88
p0 −2597 ± 1902
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −108
Std Dev 147.3
2
1
0
−1
−2

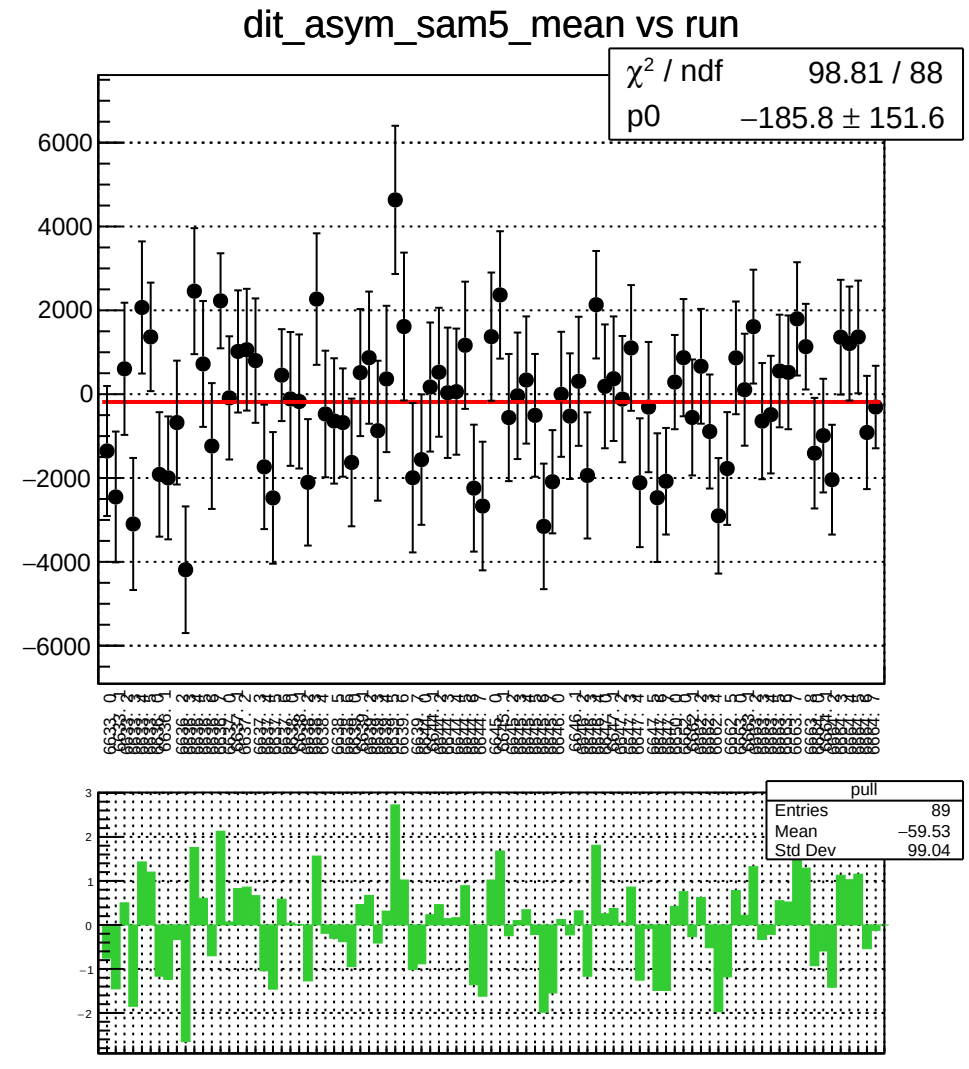

pull1D
Entries 89
Mean −0.01896
Std Dev 0.971
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

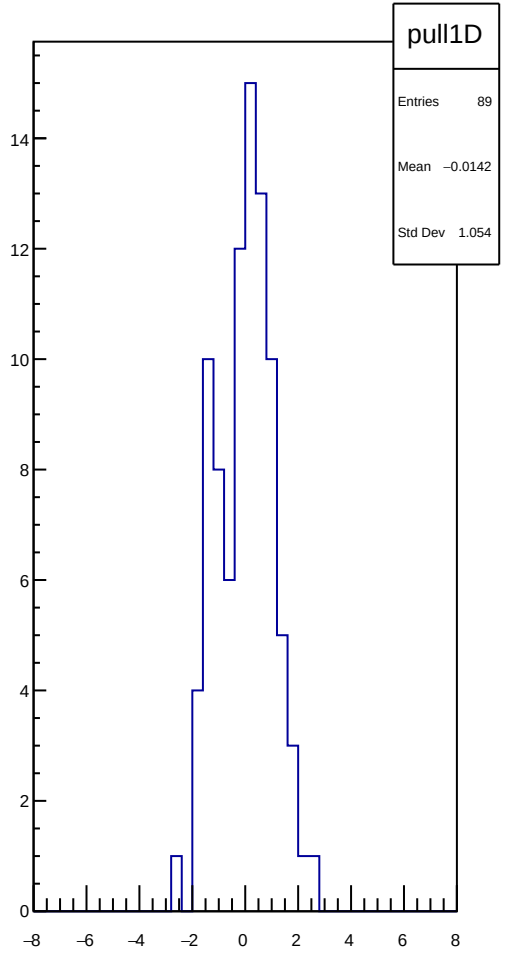

asym_sam4_correction_rms vs run
χ² / ndf 2.819e+04 / 88
p0 1748 ± 1.345
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300

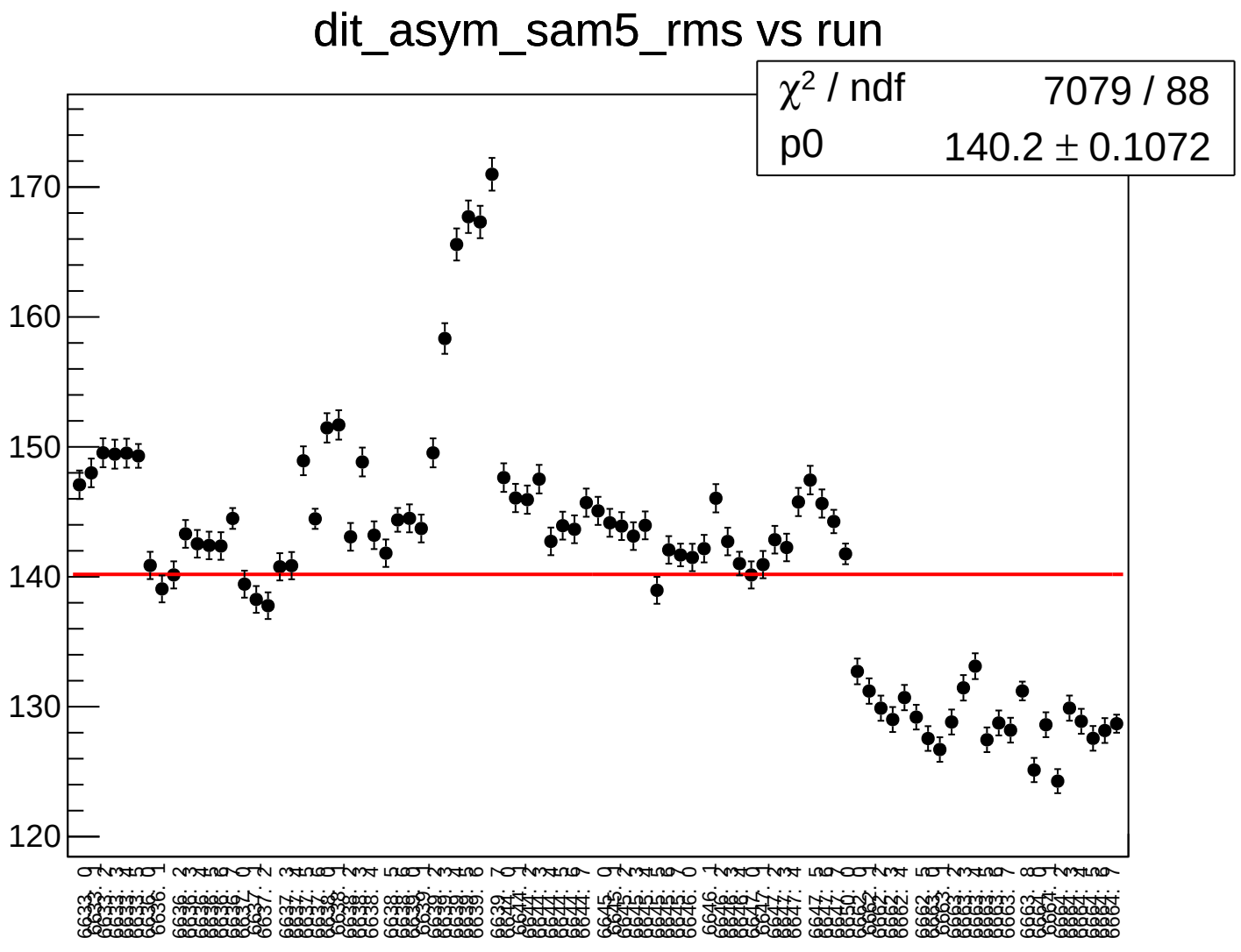

asym_sam4_mean vs run
χ² / ndf 84.25 / 88
p0 2360 ± 1894
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −92.04
Std Dev 130.2
2
1
0
−1
−2

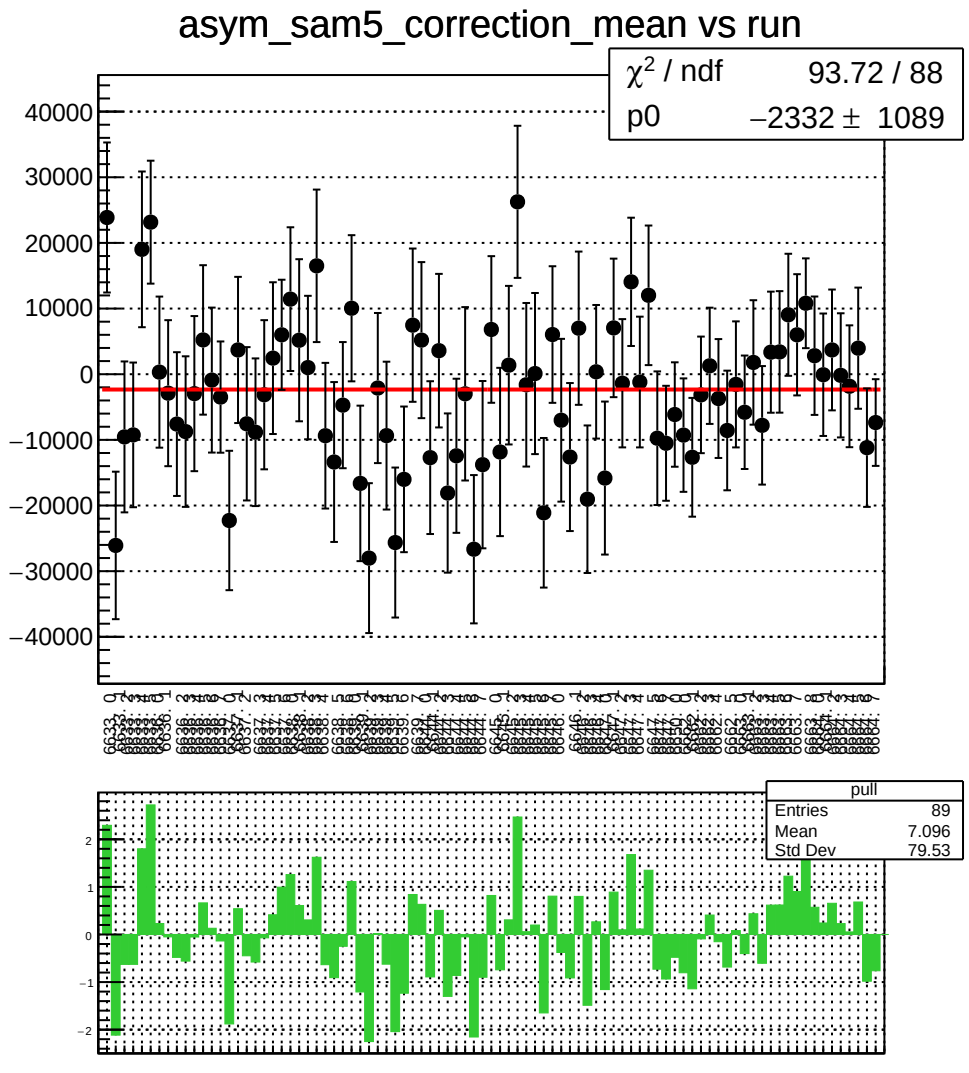

pull1D
Entries 89
Mean 0.02241
Std Dev 0.9727
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

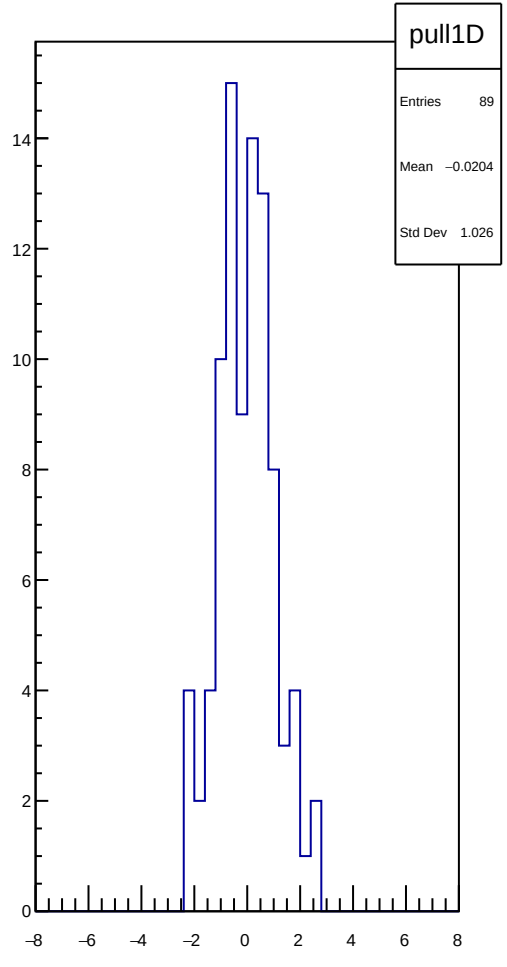

asym_sam4_rms vs run
χ² / ndf 3.814e+04 / 88
p0 1735 ± 1.339
2400
2200
2000
1800
1600
1400

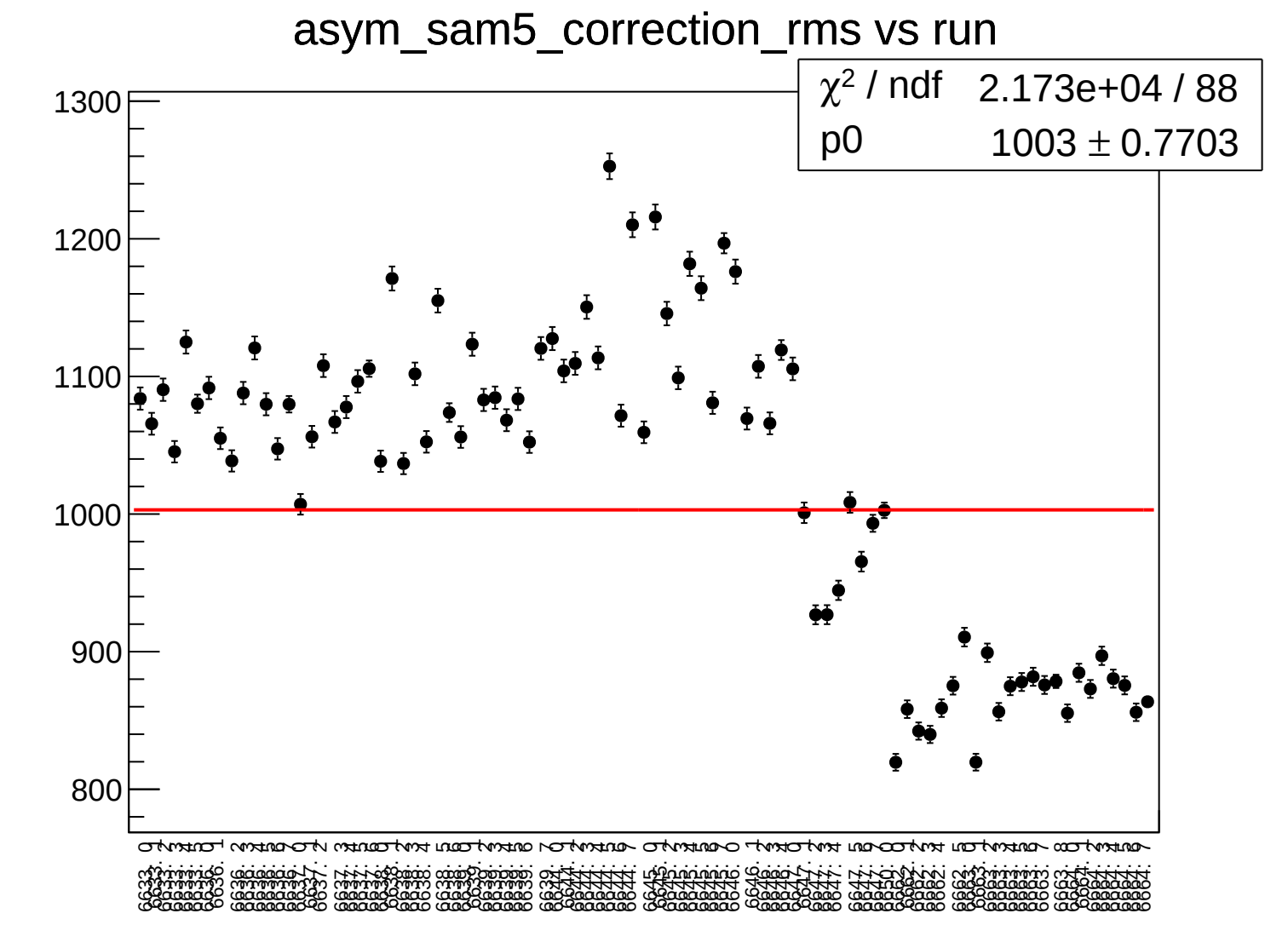

dit_asym_sam5_mean vs run
χ² / ndf 98.81 / 88
p0 −185.8 ± 151.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −59.53
Std Dev 99.04
3
2
1
0
−1
−2

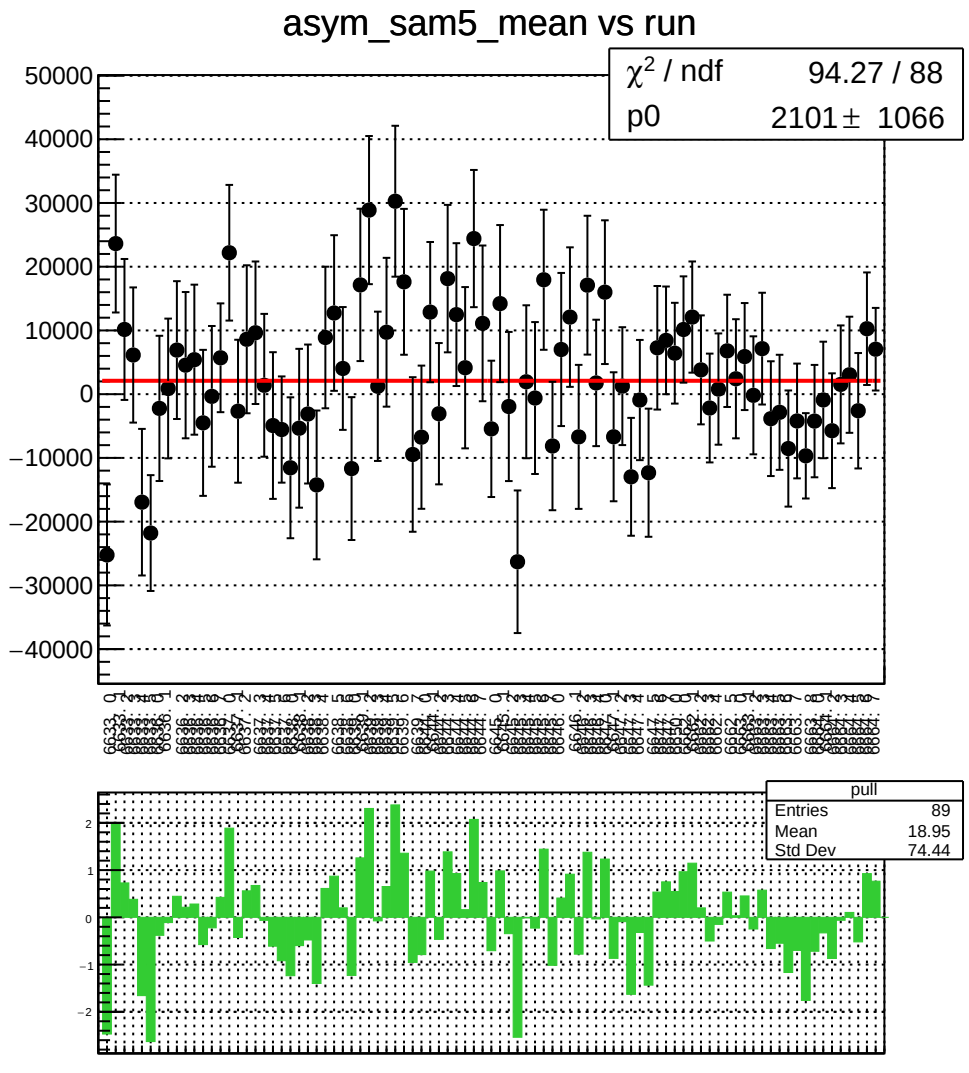

pull1D
Entries 89
Mean −0.0142
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

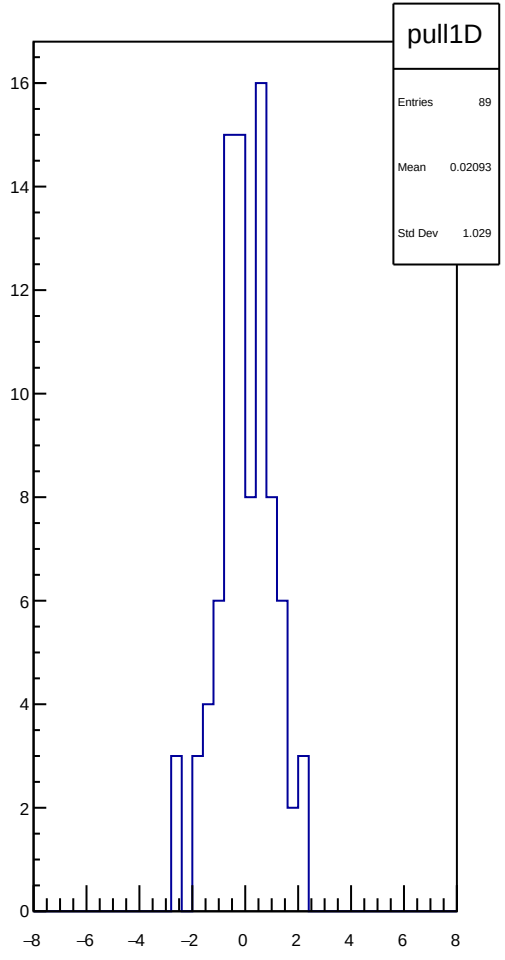

dit_asym_sam5_rms vs run
χ² / ndf 7079 / 88
p0 140.2 ± 0.1072
170
160
150
140
130
120

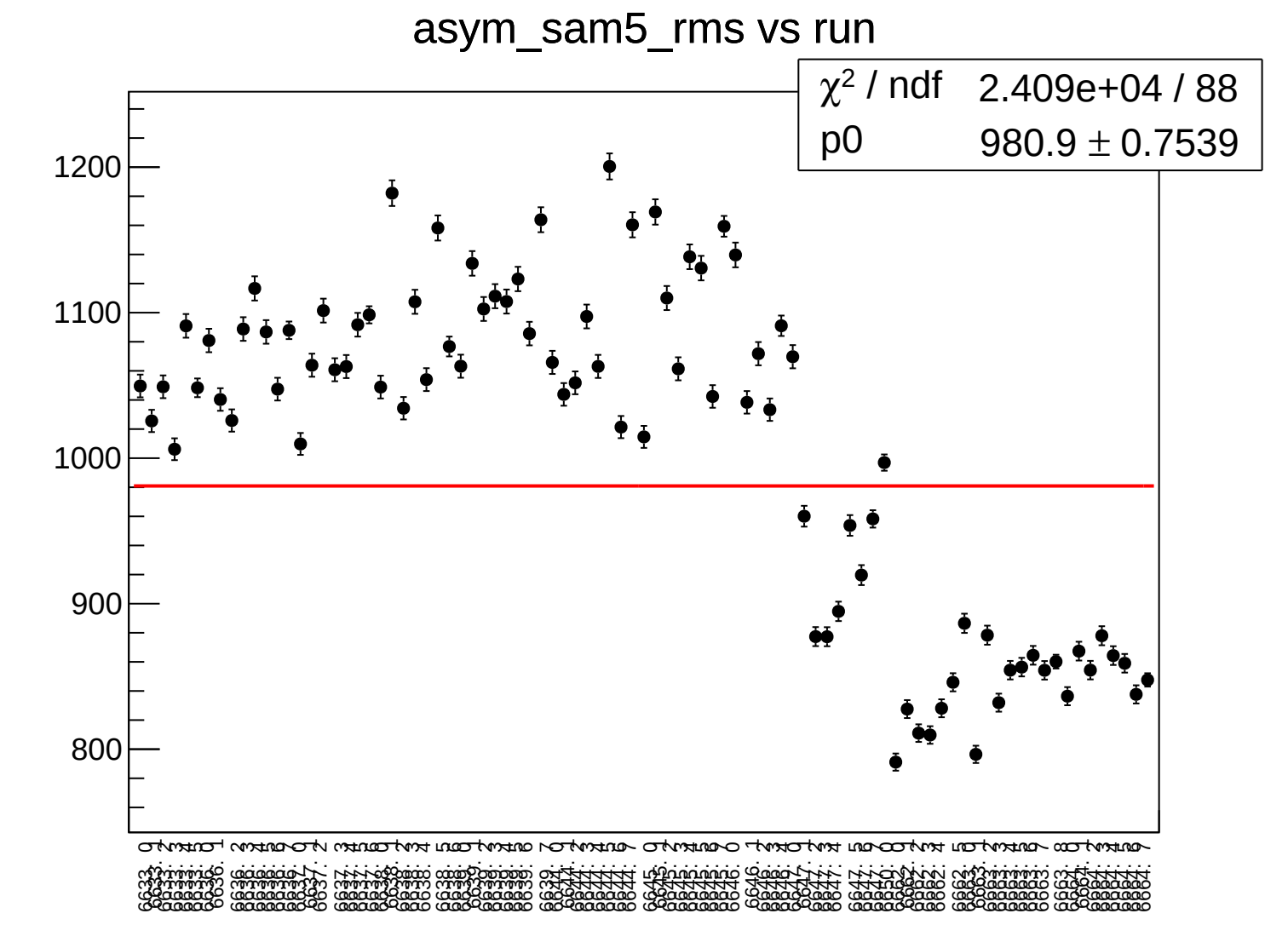

asym_sam5_correction_mean vs run
χ² / ndf 93.72 / 88
p0 −2332 ± 1089
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean 7.096
Std Dev 79.53
2
1
0
−1
−2

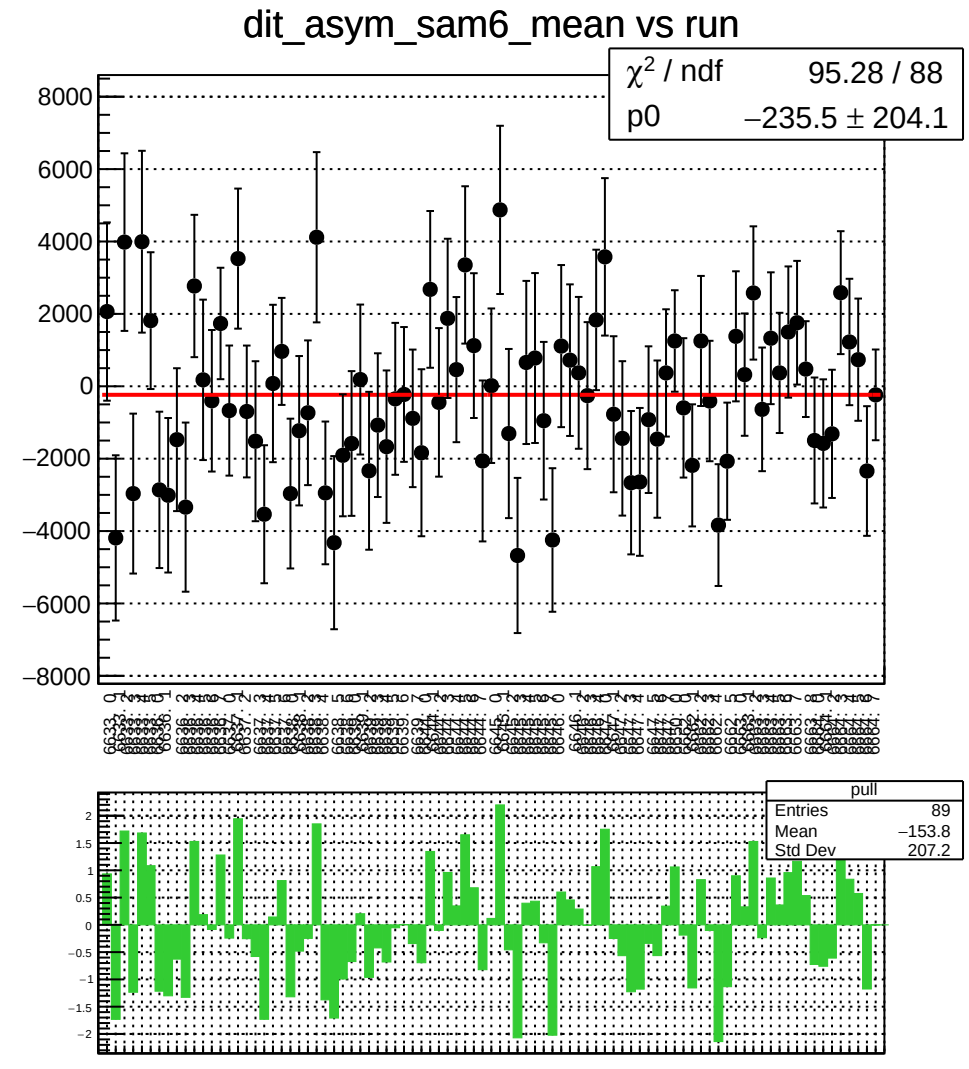

pull1D
Entries 89
Mean −0.0204
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

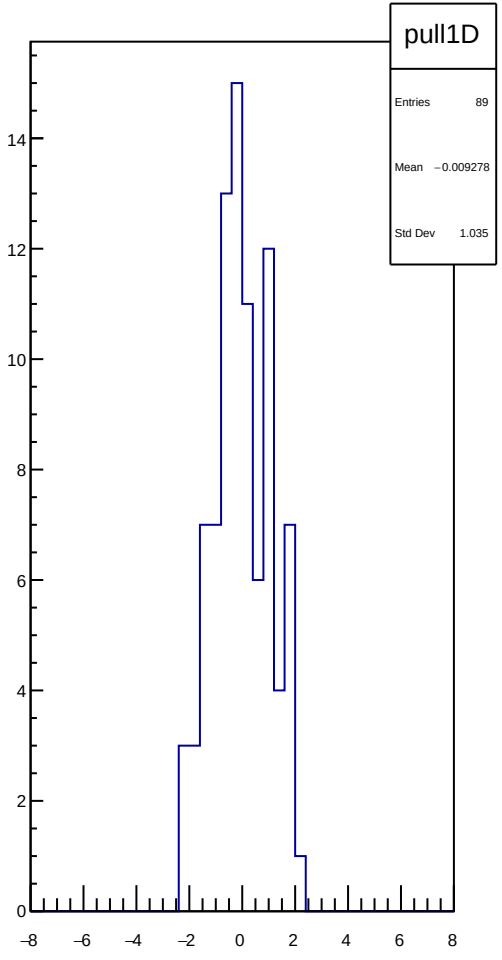

asym_sam5_correction_rms vs run
χ² / ndf 2.173e+04 / 88
p0 1003 ± 0.7703
1300
1200
1100
1000
900
800

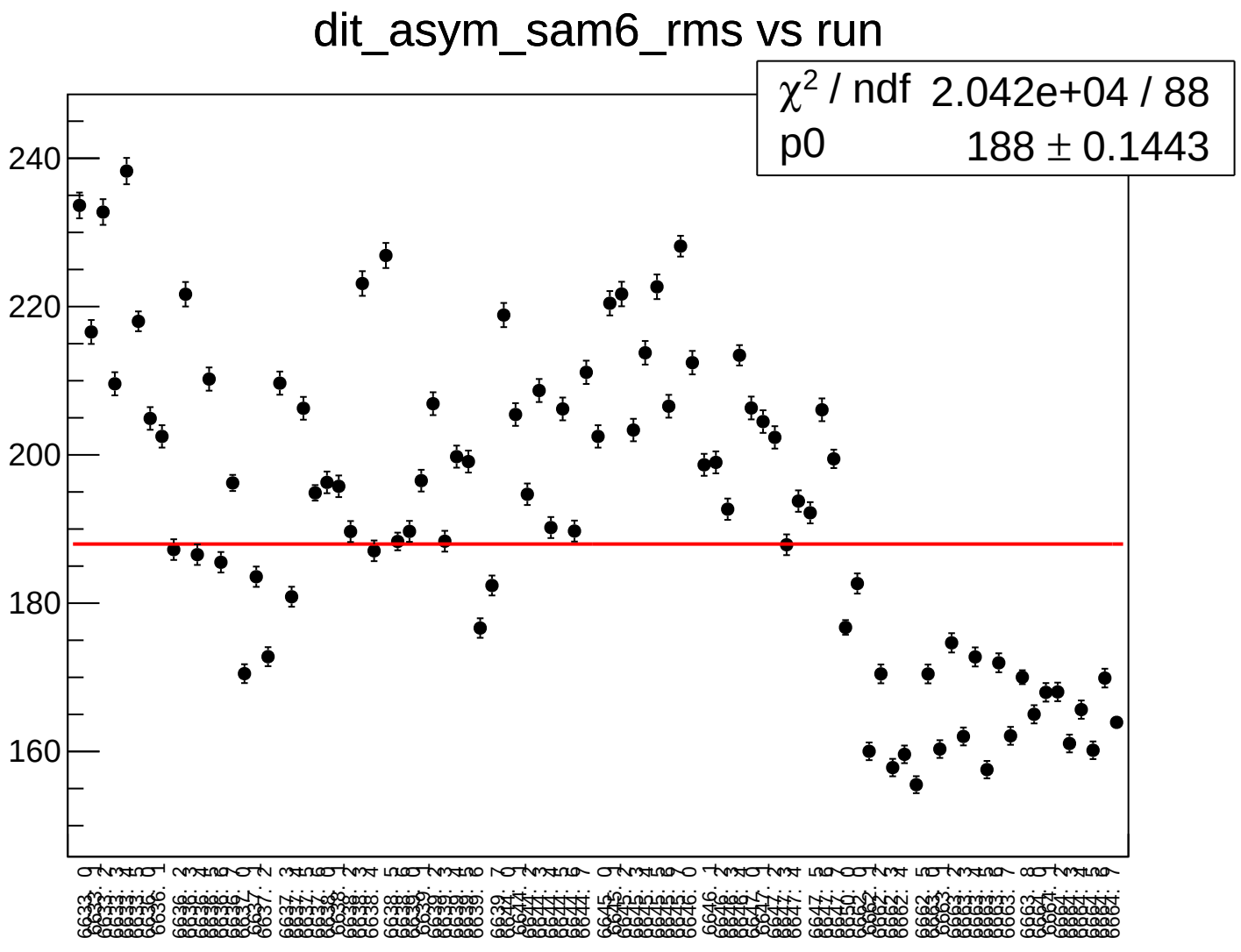

asym_sam5_mean vs run
χ² / ndf 94.27 / 88
p0 2101 ± 1066
pull
Entries 89
Mean 18.95
Std Dev 74.44

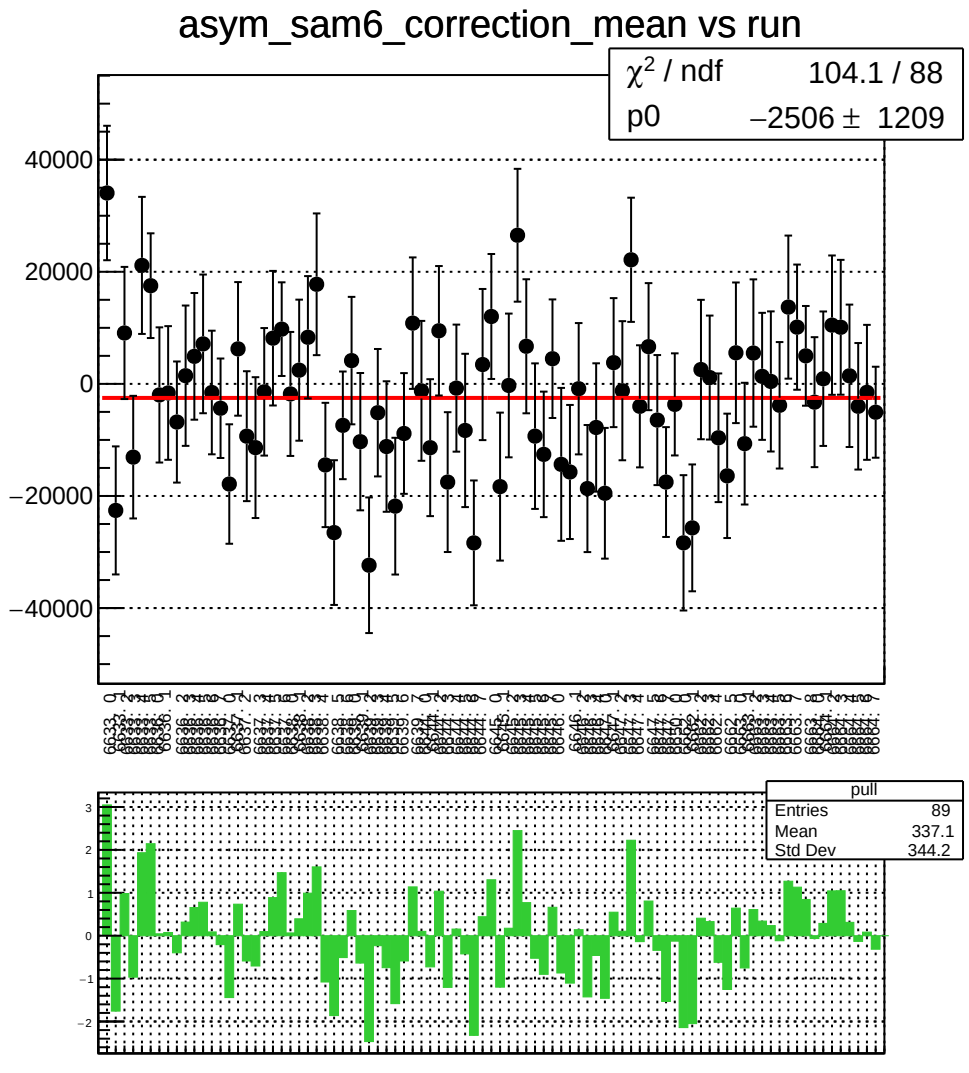

pull1D
Entries 89
Mean 0.02093
Std Dev 1.029

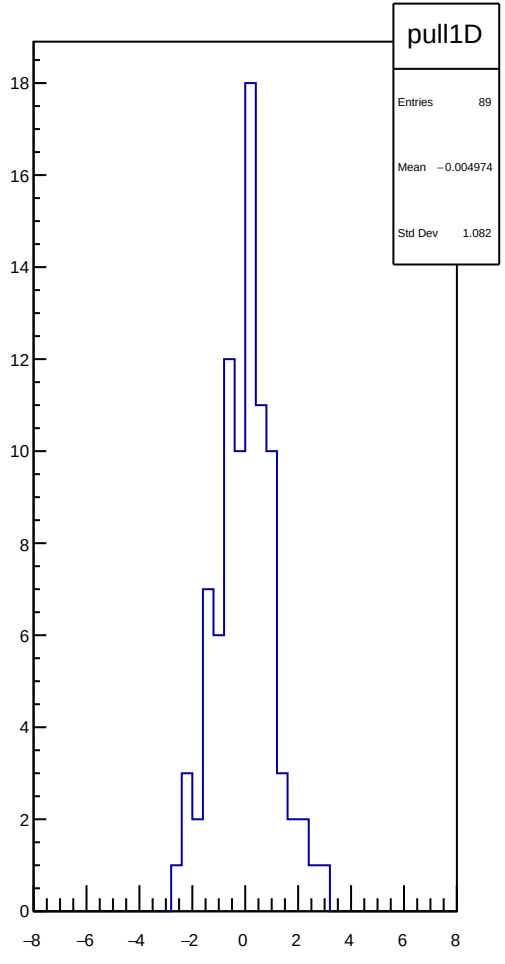

asym_sam5_rms vs run
χ² / ndf 2.409e+04 / 88
p0 980.9 ± 0.7539
1200
1100
1000
900
800

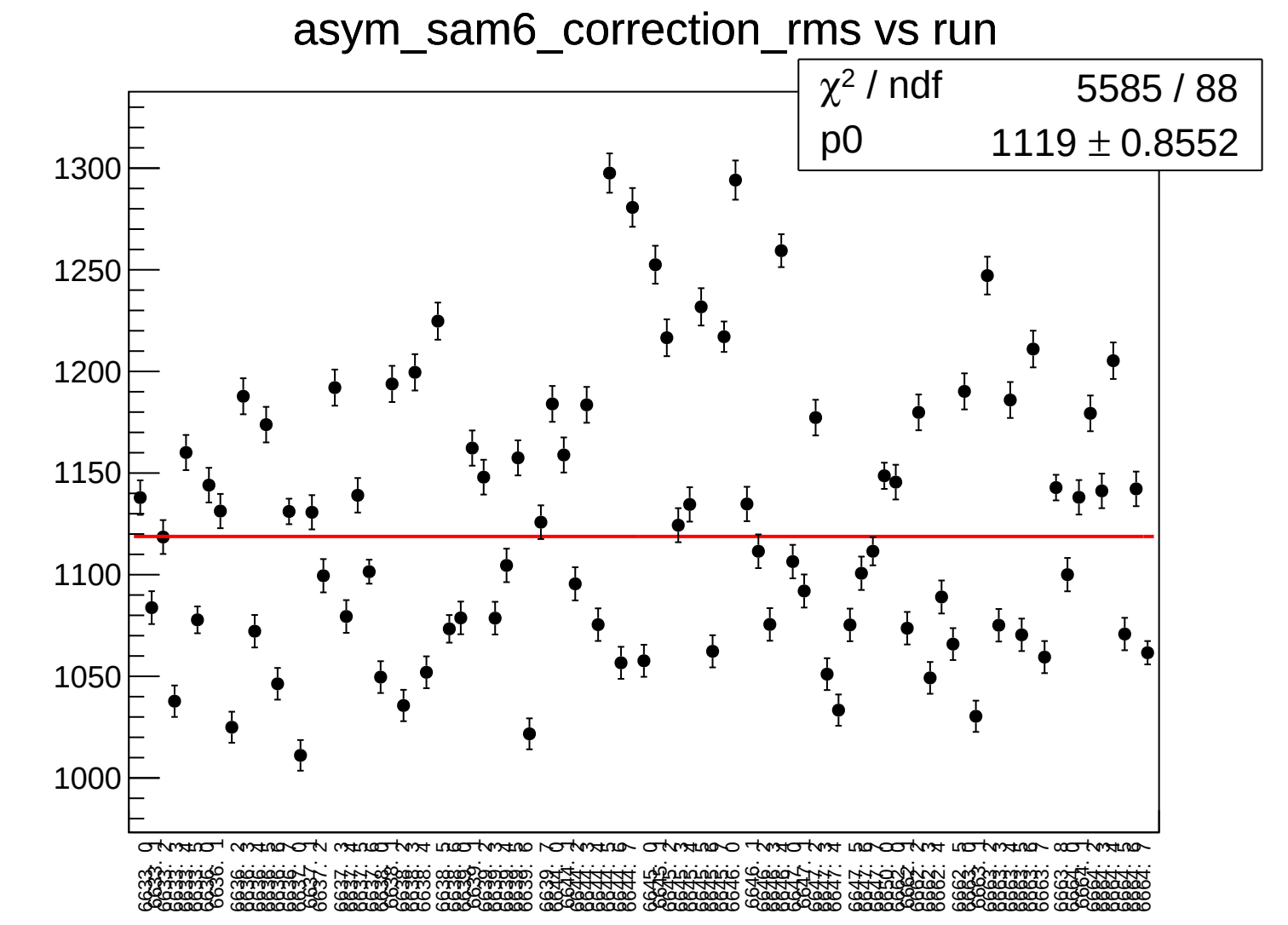

dit_asym_sam6_mean vs run
χ² / ndf 95.28 / 88
p0 −235.5 ± 204.1
pull
Entries 89
Mean −153.8
Std Dev 207.2

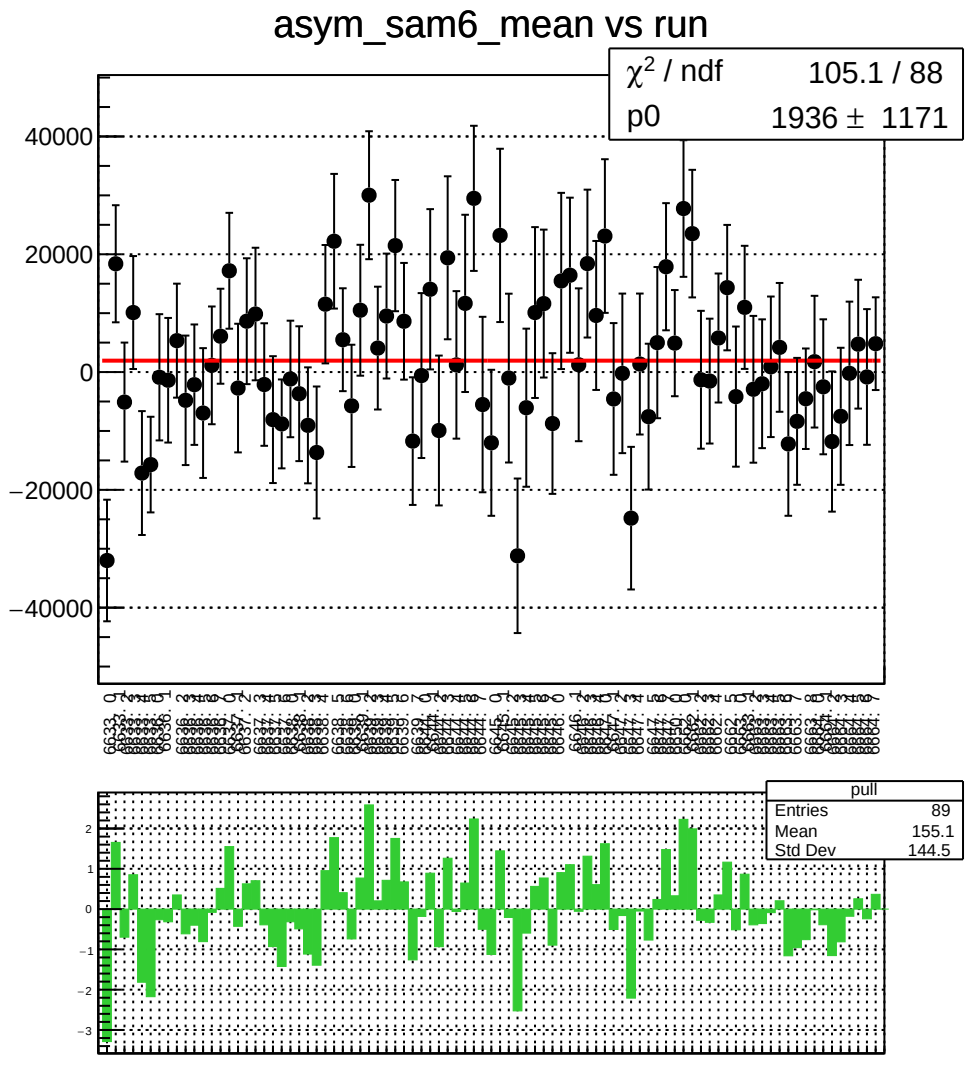

pull1D
Entries 89
Mean −0.009278
Std Dev 1.035

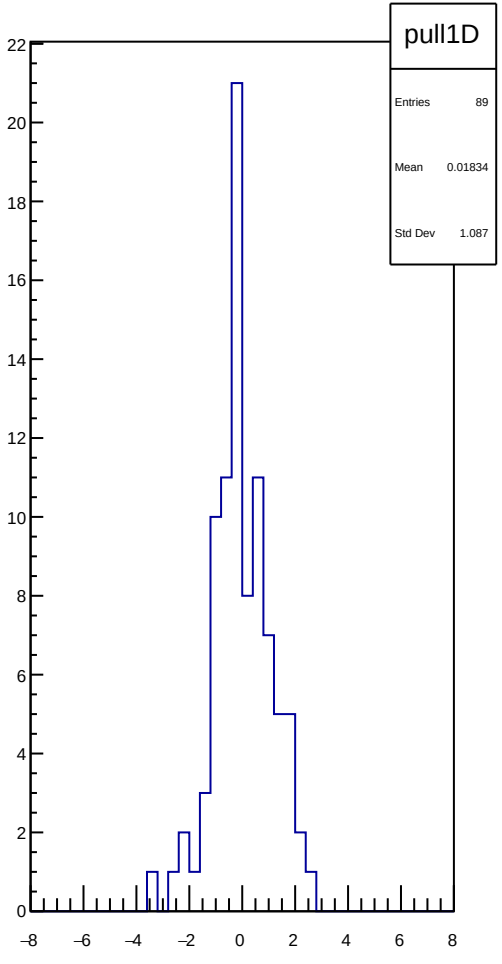

dit_asym_sam6_rms vs run
χ² / ndf 2.042e+04 / 88
p0 188 ± 0.1443
240
220
200
180
160

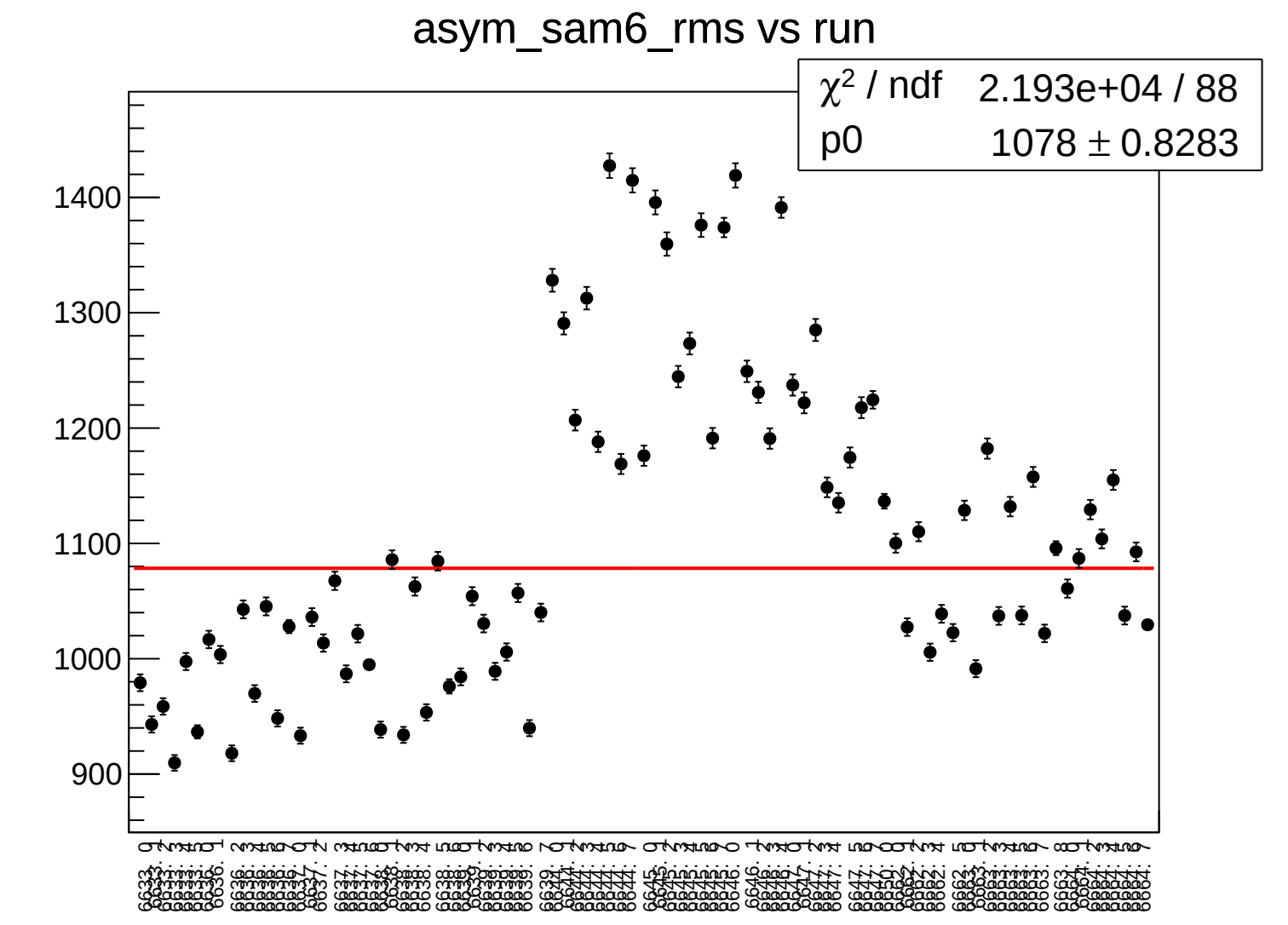

asym_sam6_correction_mean vs run
χ² / ndf 104.1 / 88
p0 −2506 ± 1209
40000
20000
0
−20000
−40000
pull
Entries 89
Mean 337.1
Std Dev 344.2
3
2
1
0
−1
−2

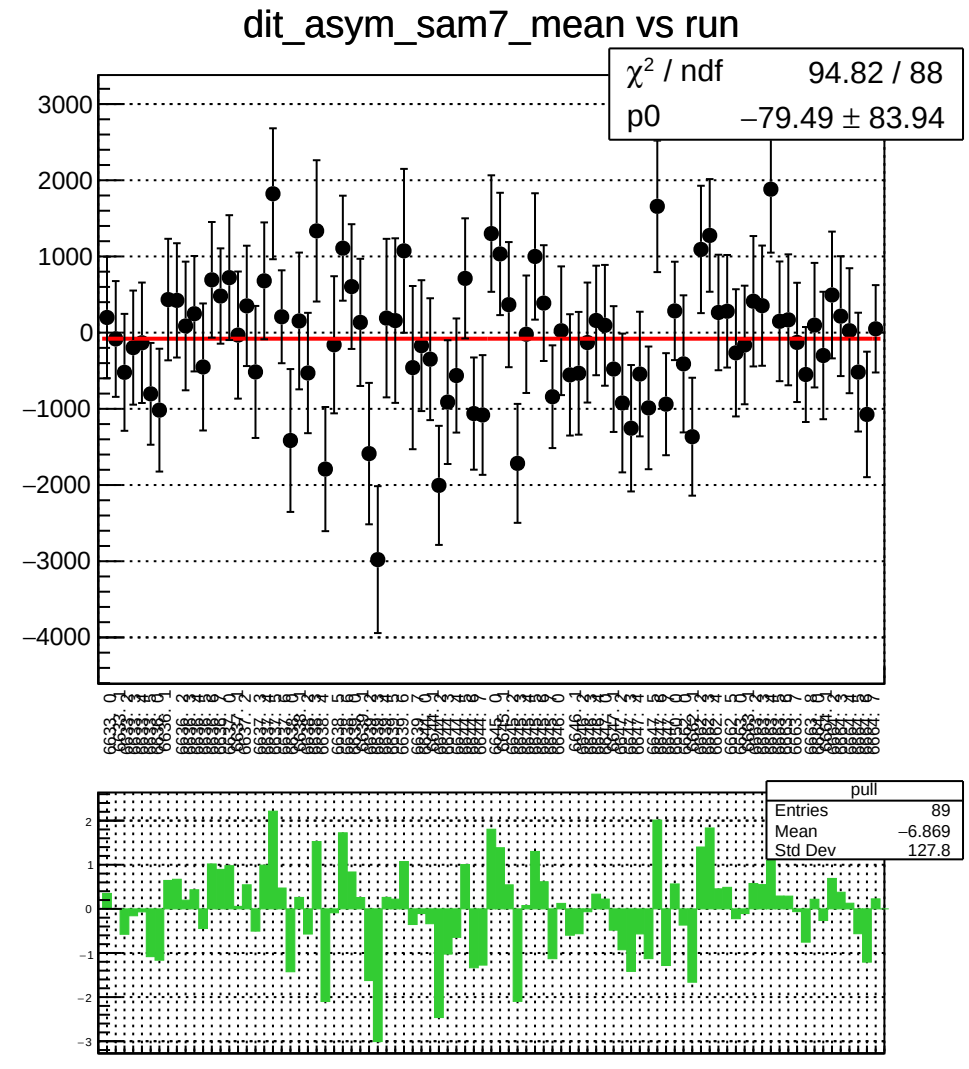

pull1D
Entries 89
Mean −0.004974
Std Dev 1.082
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

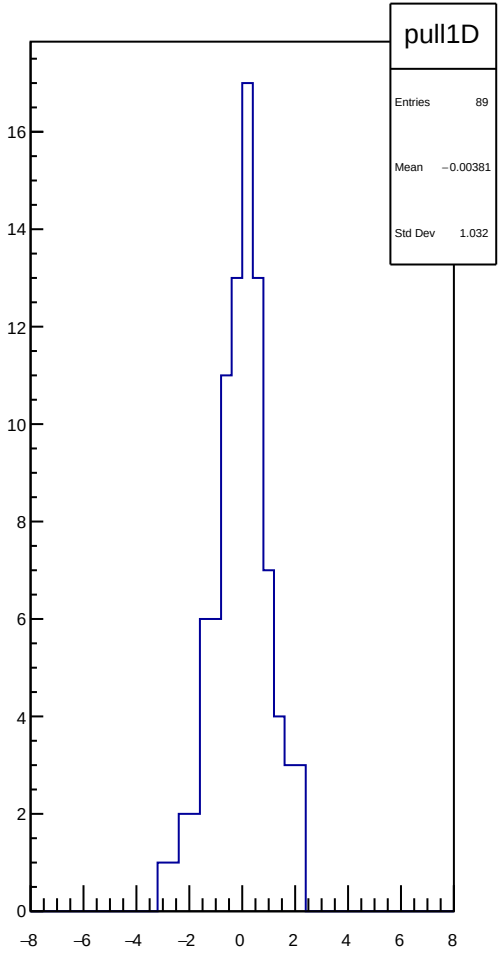

asym_sam6_correction_rms vs run
χ² / ndf 5585 / 88
p0 1119 ± 0.8552
1300
1250
1200
1150
1100
1050
1000

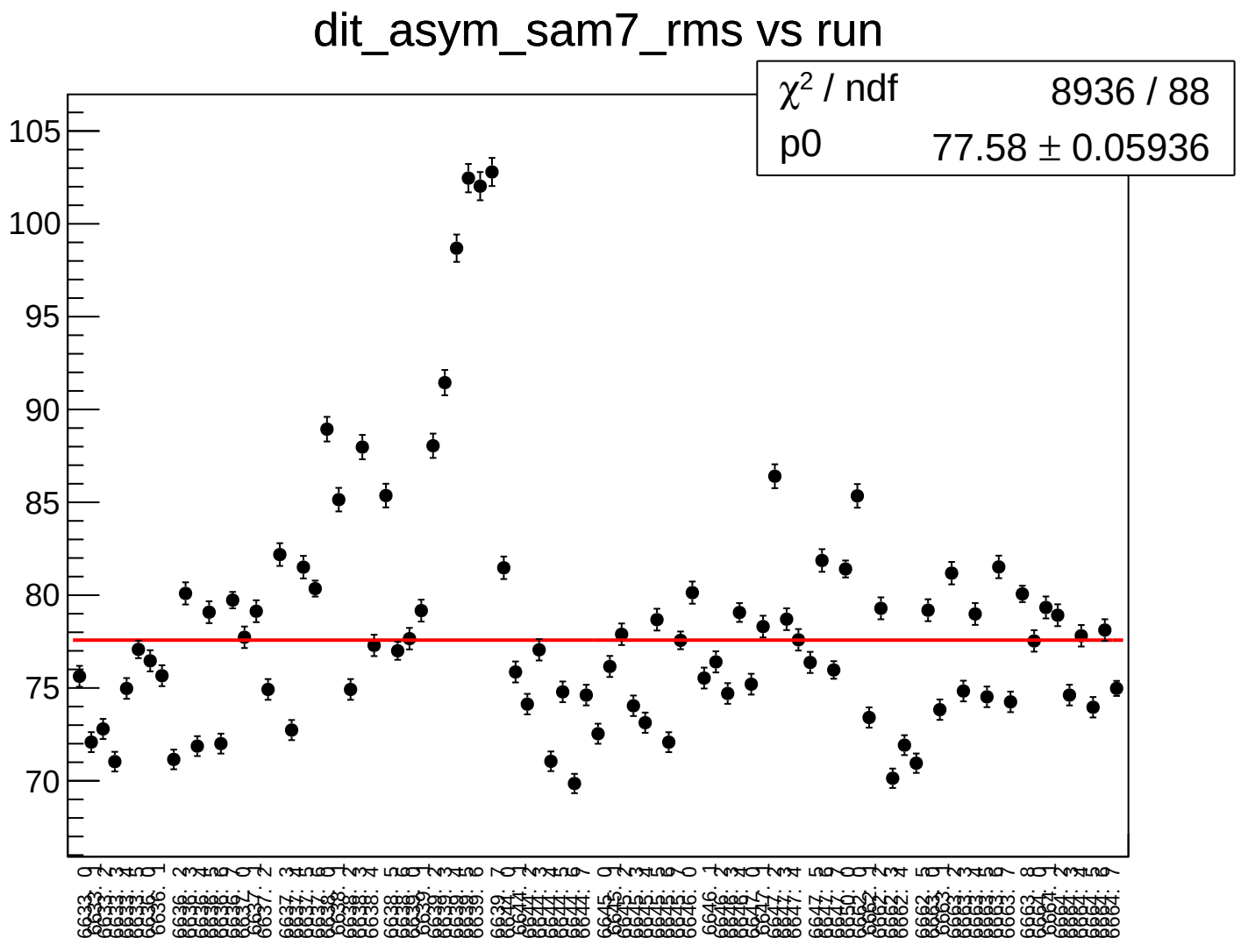

asym_sam6_mean vs run
χ² / ndf 105.1 / 88
p0 1936 ± 1171
40000
20000
0
−20000
−40000
pull
Entries 89
Mean 155.1
Std Dev 144.5
2
1
0
−1
−2
−3

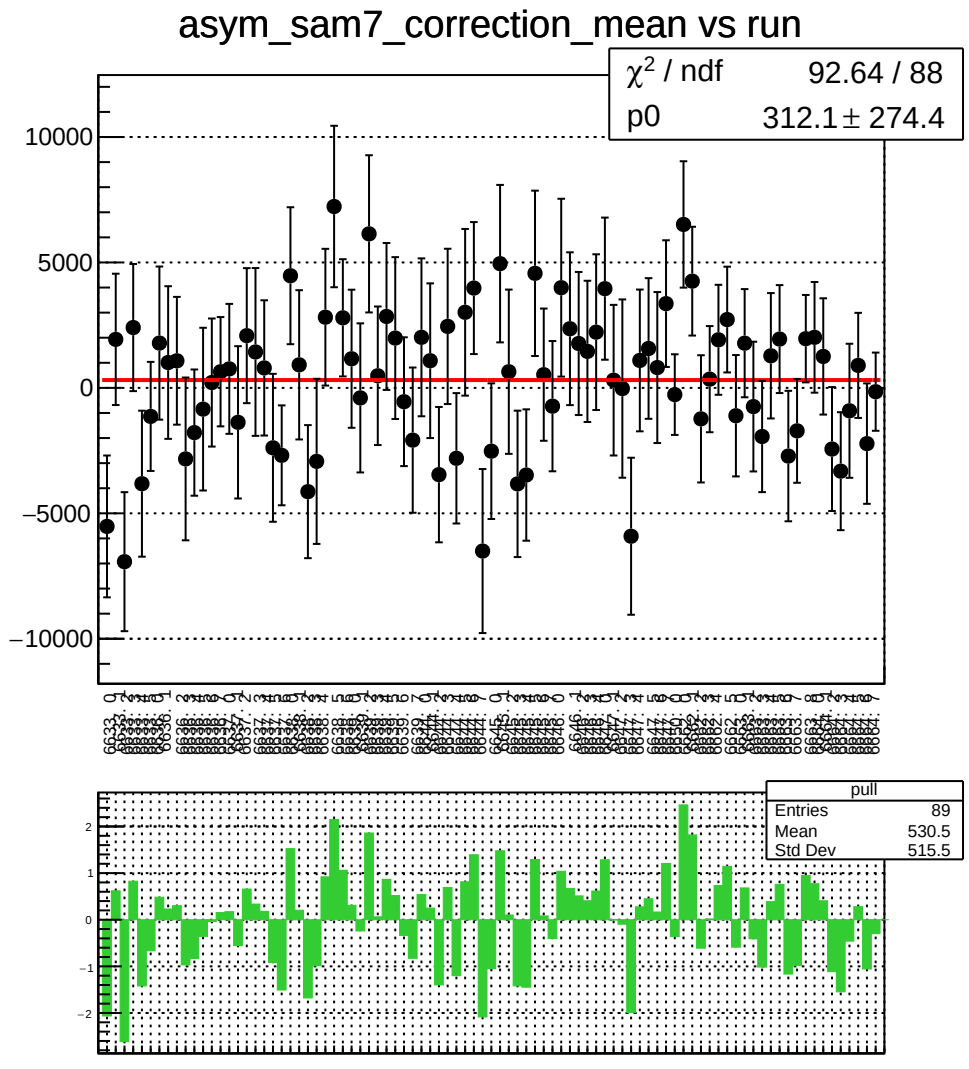

pull1D
Entries 89
Mean 0.01834
Std Dev 1.087
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

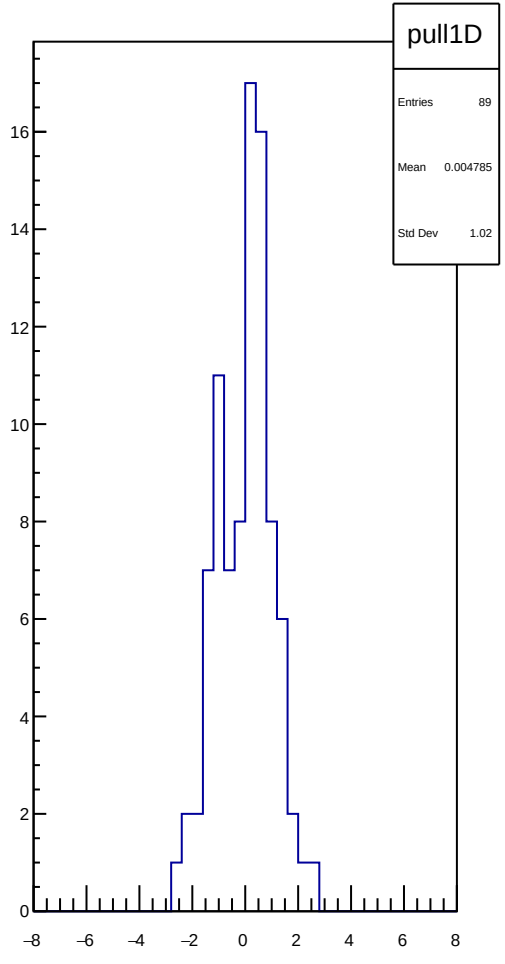

asym_sam6_rms vs run
χ^2 / ndf 2.193e+04 / 88
p0 1078 ± 0.8283
1400
1300
1200
1100
1000
900

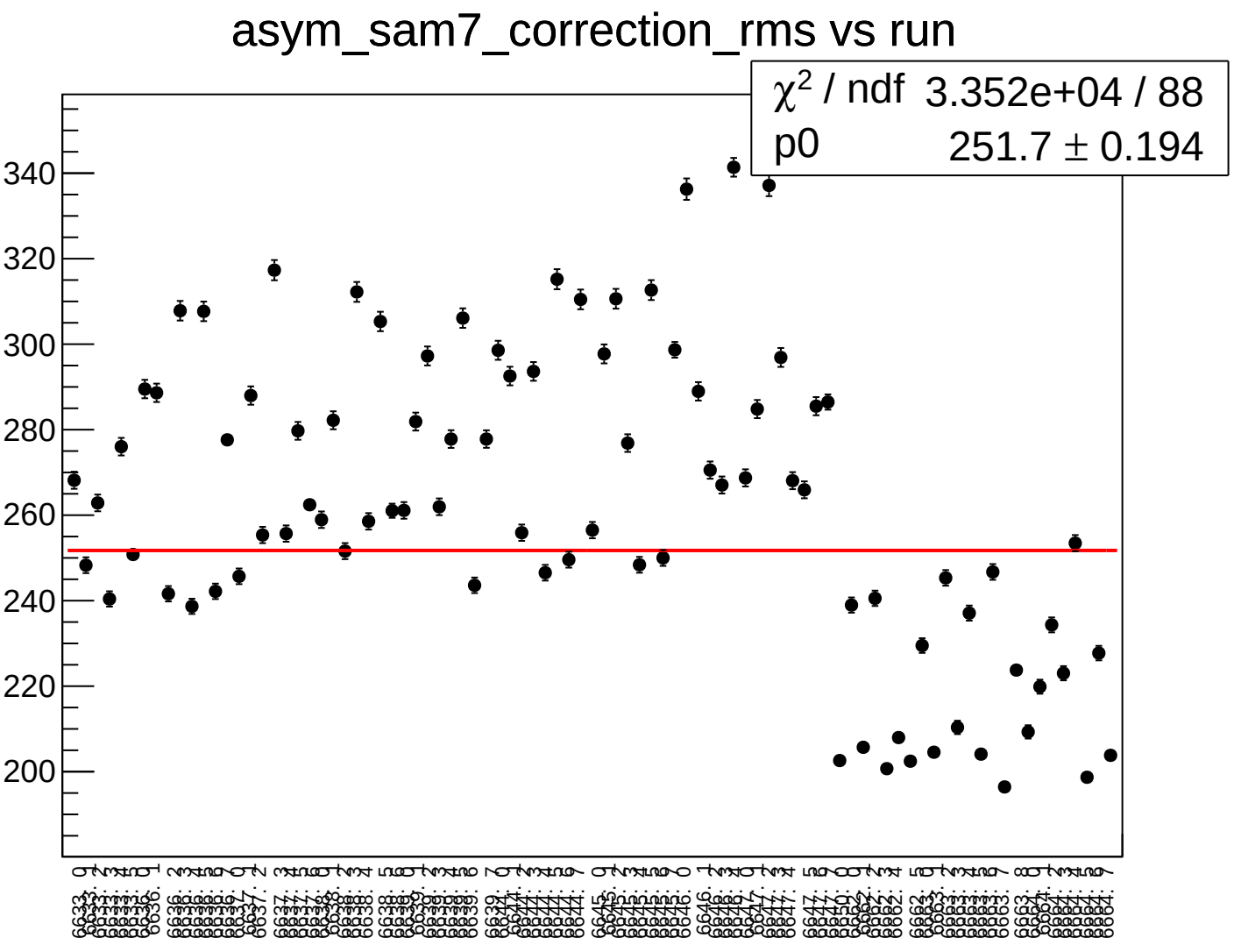

dit_asym_sam7_mean vs run
χ² / ndf 94.82 / 88
p0 −79.49 ± 83.94
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 89
Mean −6.869
Std Dev 127.8
2
1
0
−1
−2
−3

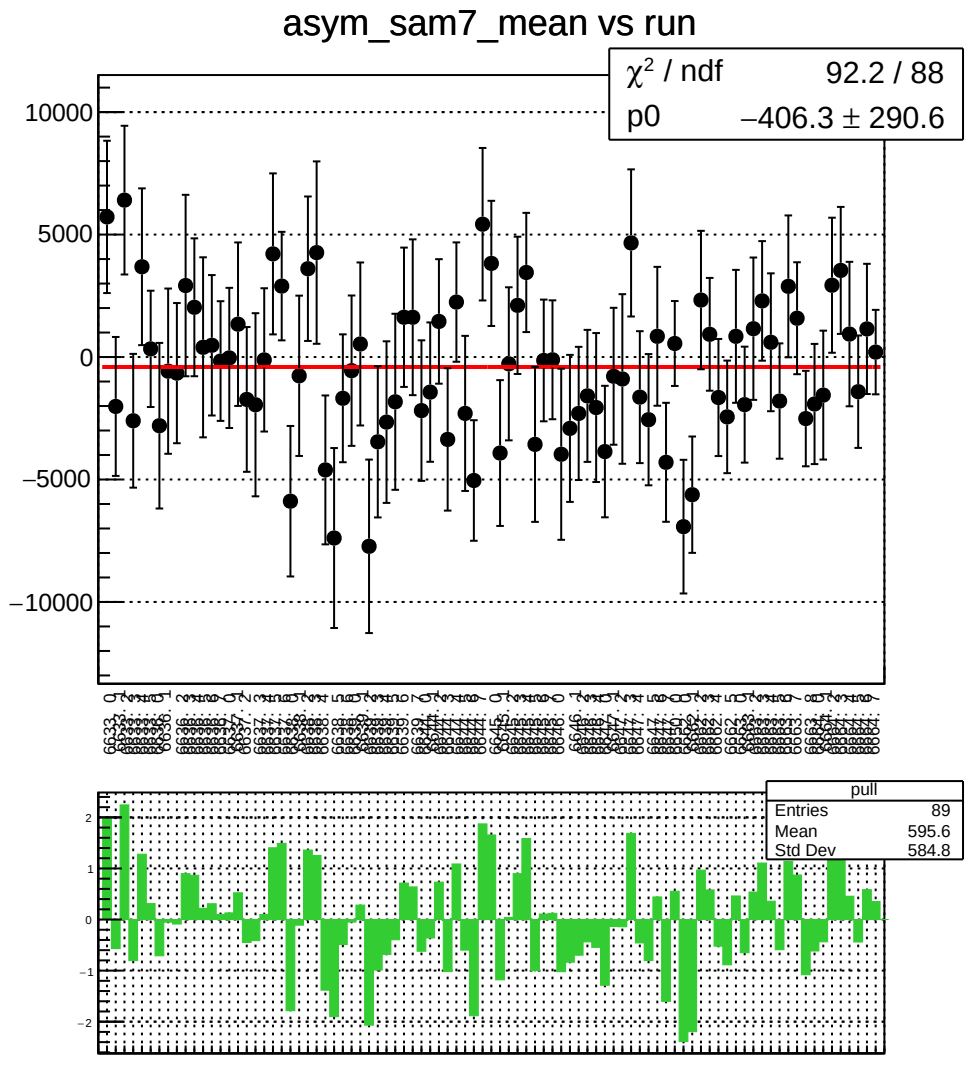

pull1D
Entries 89
Mean −0.00381
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

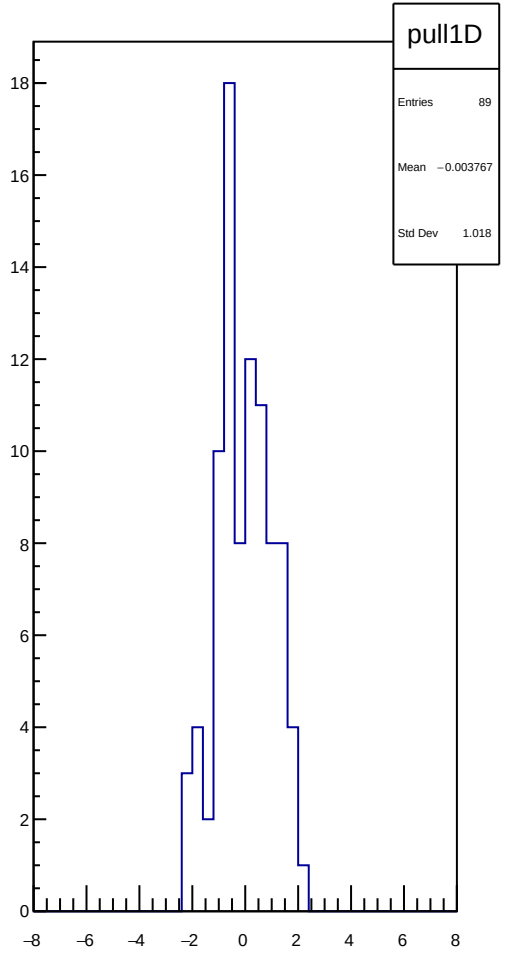

dit_asym_sam7_rms vs run
χ² / ndf 8936 / 88
p0 77.58 ± 0.05936
105
100
95
90
85
80
75
70

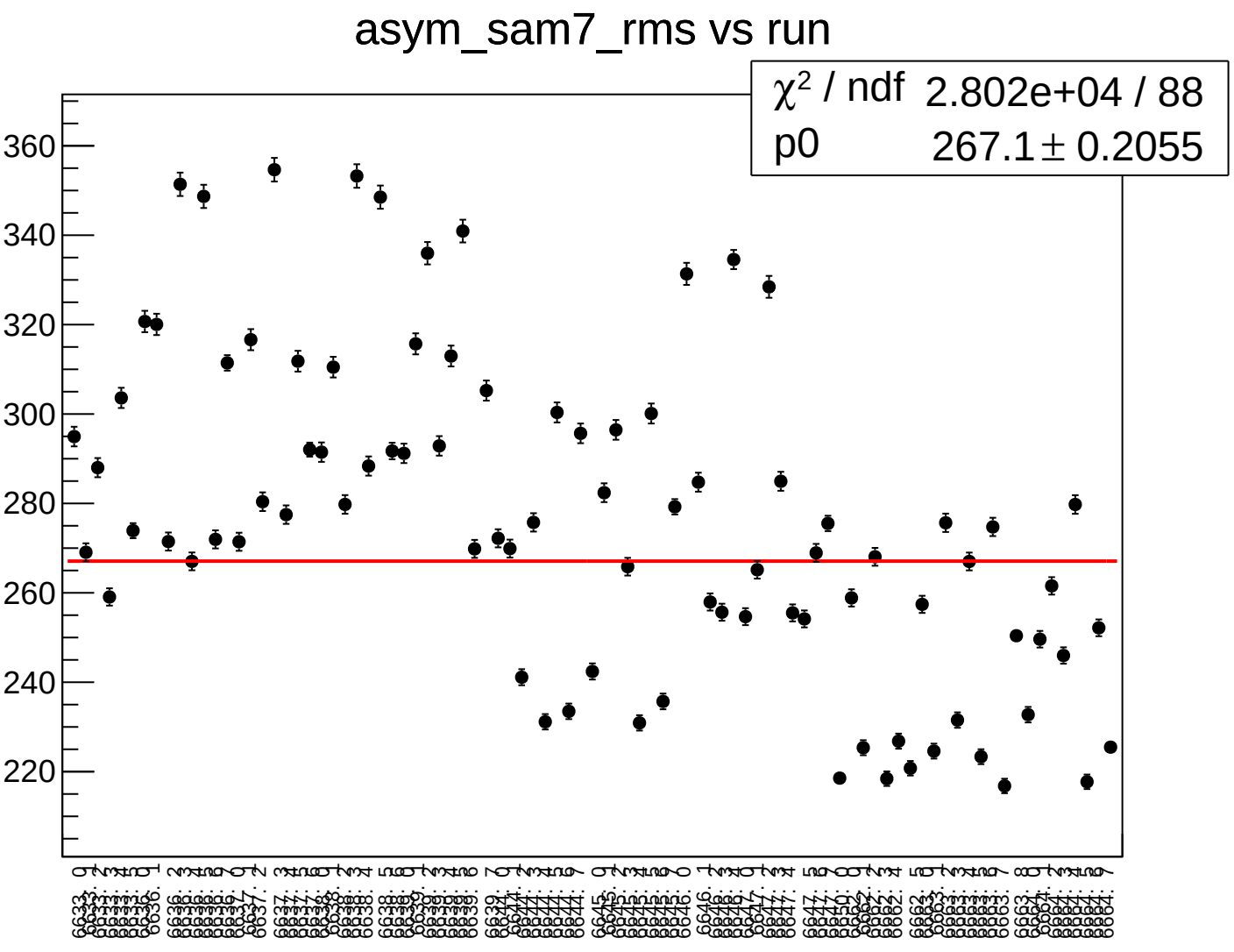

asym_sam7_correction_mean vs run
χ² / ndf 92.64 / 88
p0 312.1 ± 274.4
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 530.5
Std Dev 515.5
2
1
0
−1
−2

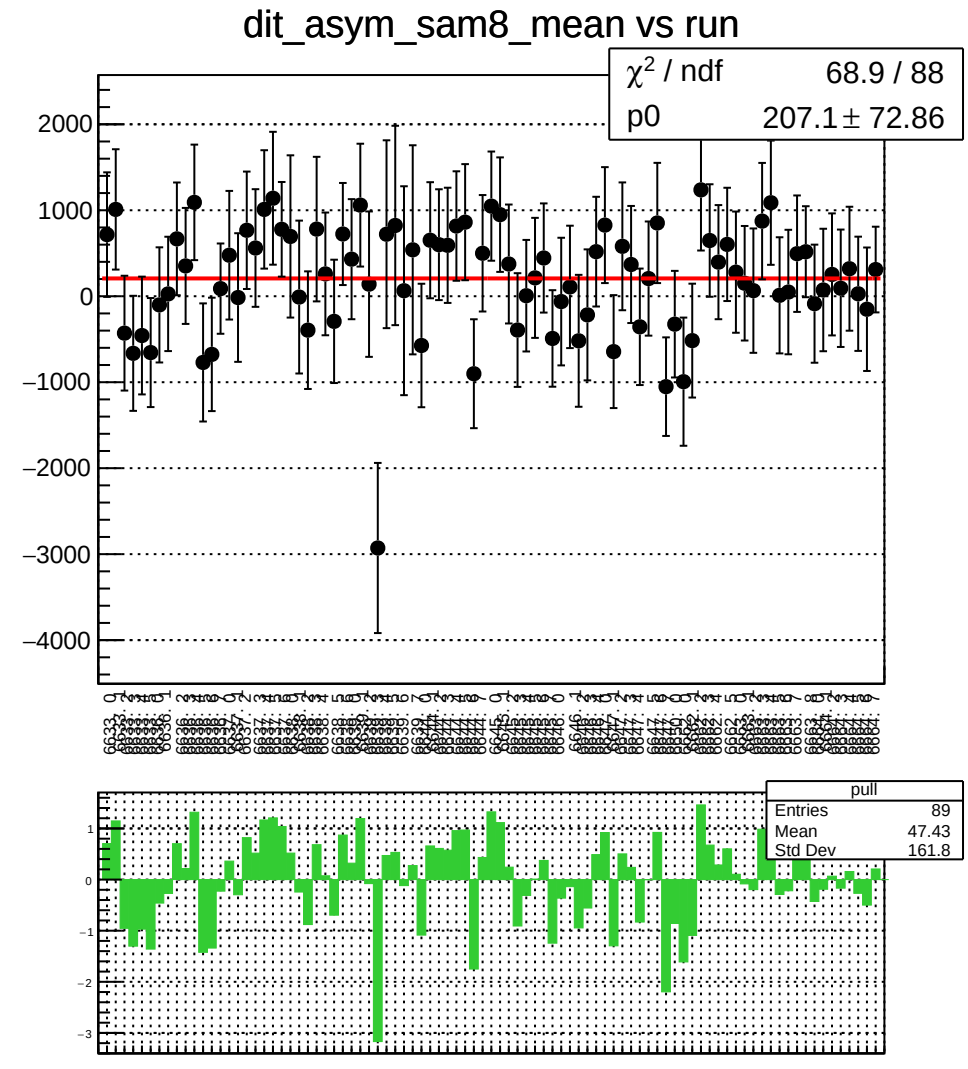

pull1D
Entries 89
Mean 0.004785
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

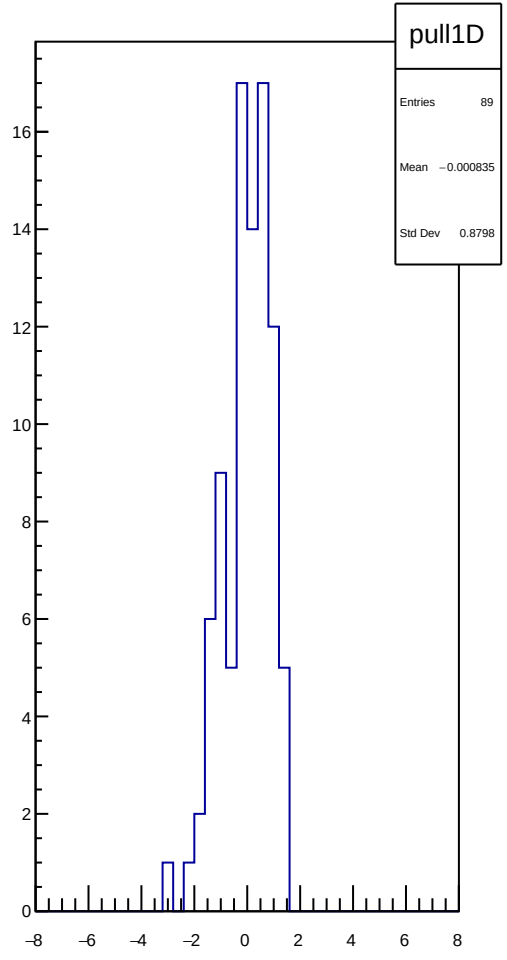

asym_sam7_correction_rms vs run
χ² / ndf 3.352e+04 / 88
p0 251.7 ± 0.194
340
320
300
280
260
240
220
200

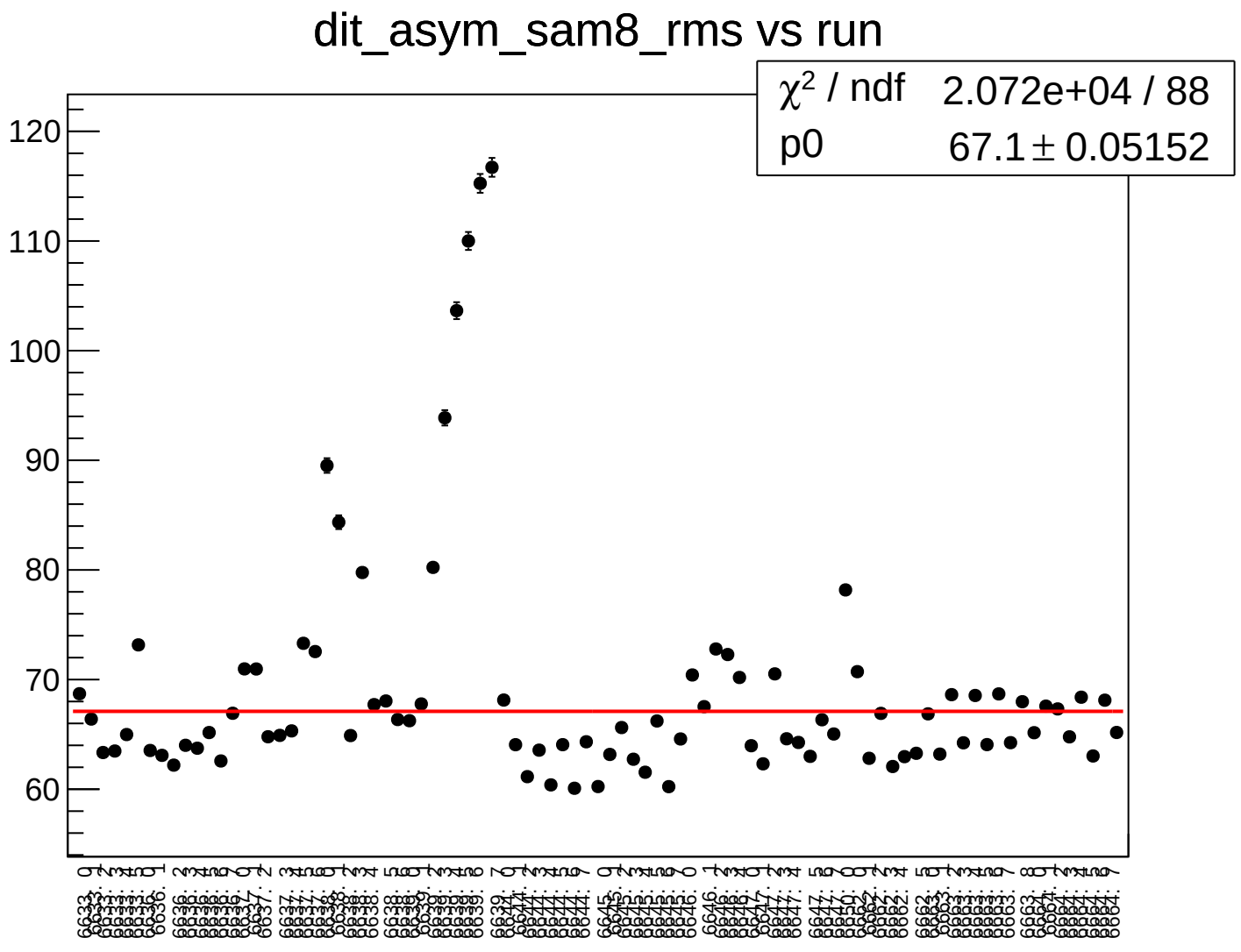

asym_sam7_mean vs run
χ² / ndf 92.2 / 88
p0 −406.3 ± 290.6
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 595.6
Std Dev 584.8
2
1
0
−1
−2

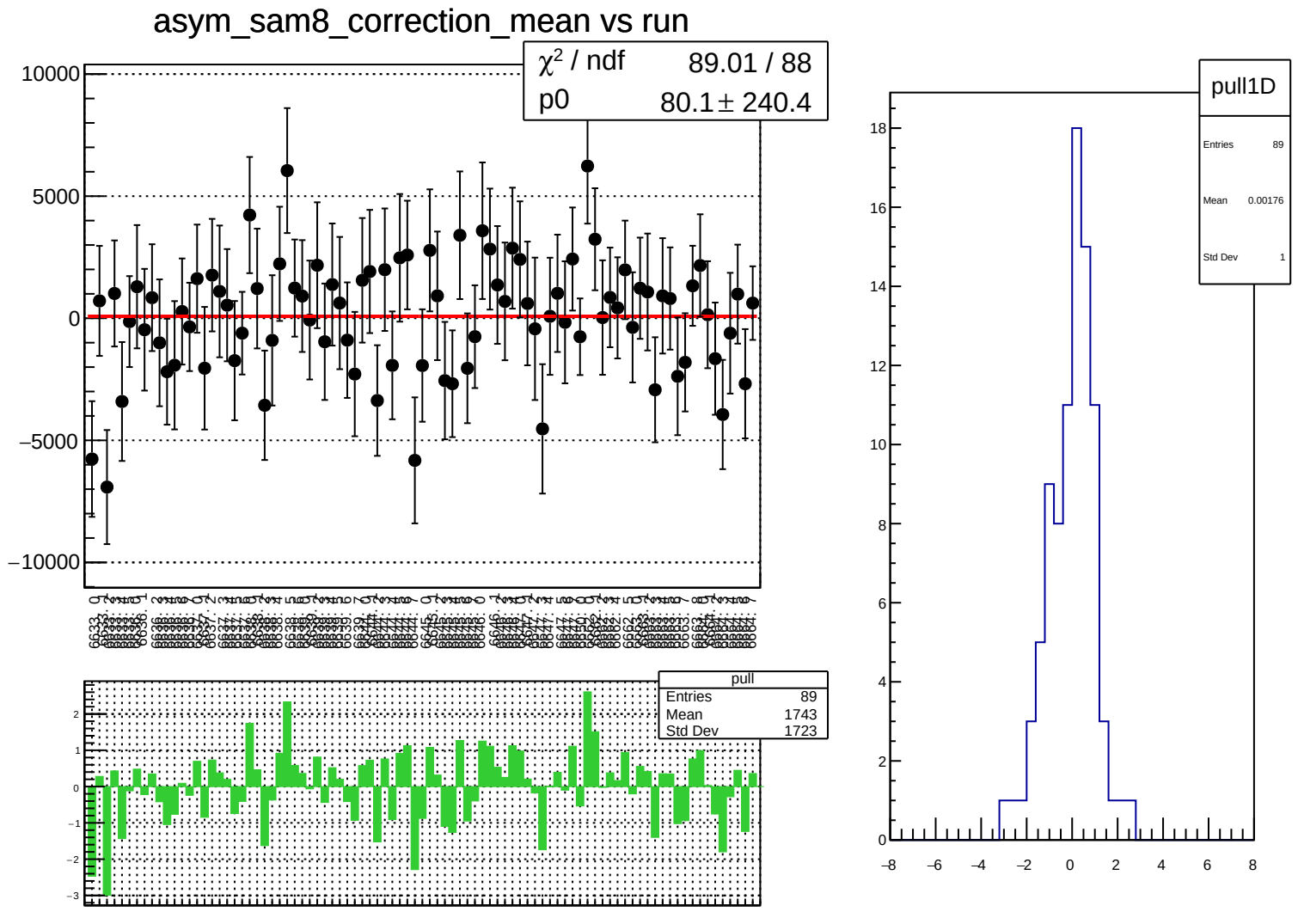

pull1D
Entries 89
Mean −0.003767
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

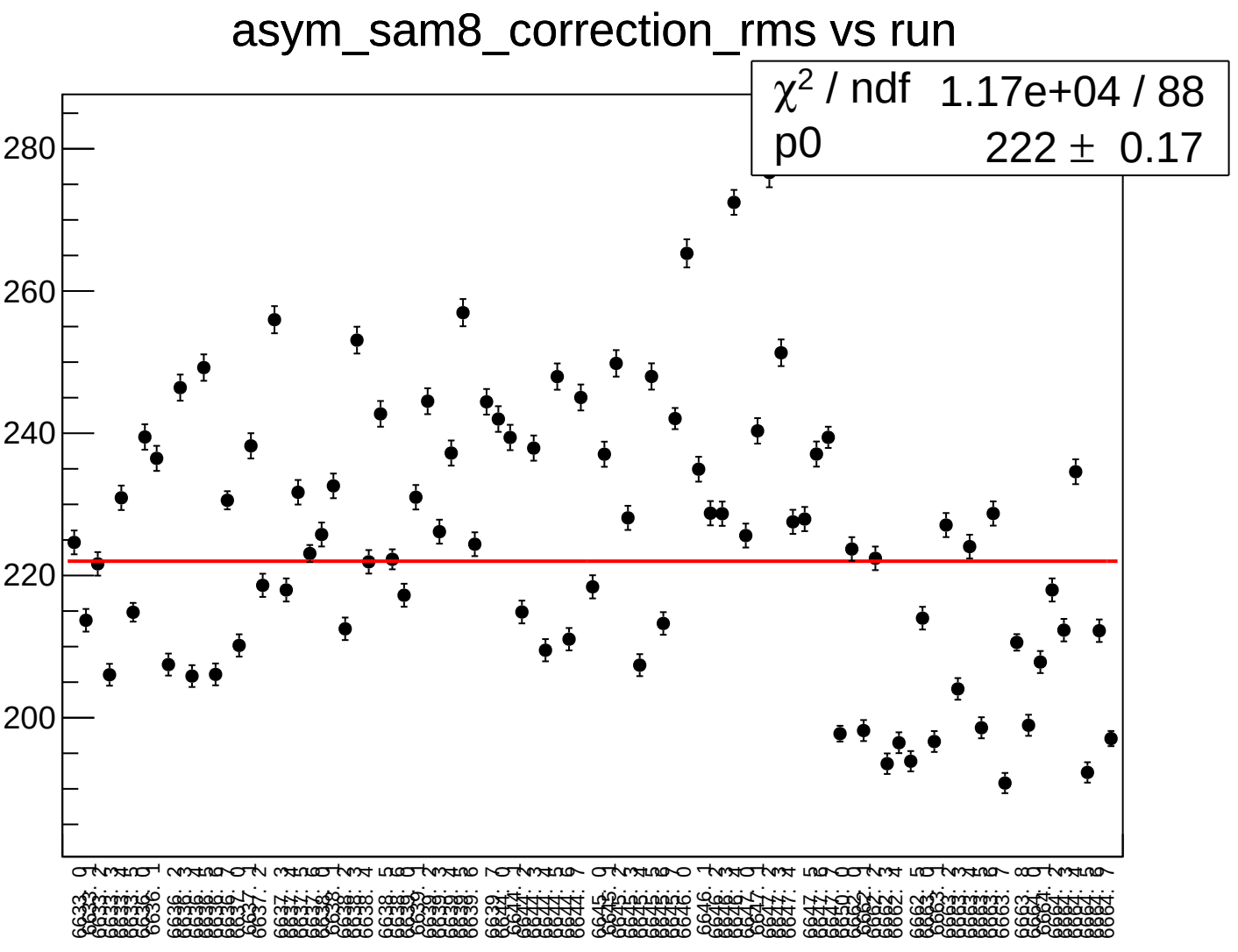

asym_sam7_rms vs run
χ² / ndf 2.802e+04 / 88
p0 267.1 ± 0.2055
360
340
320
300
280
260
240
220

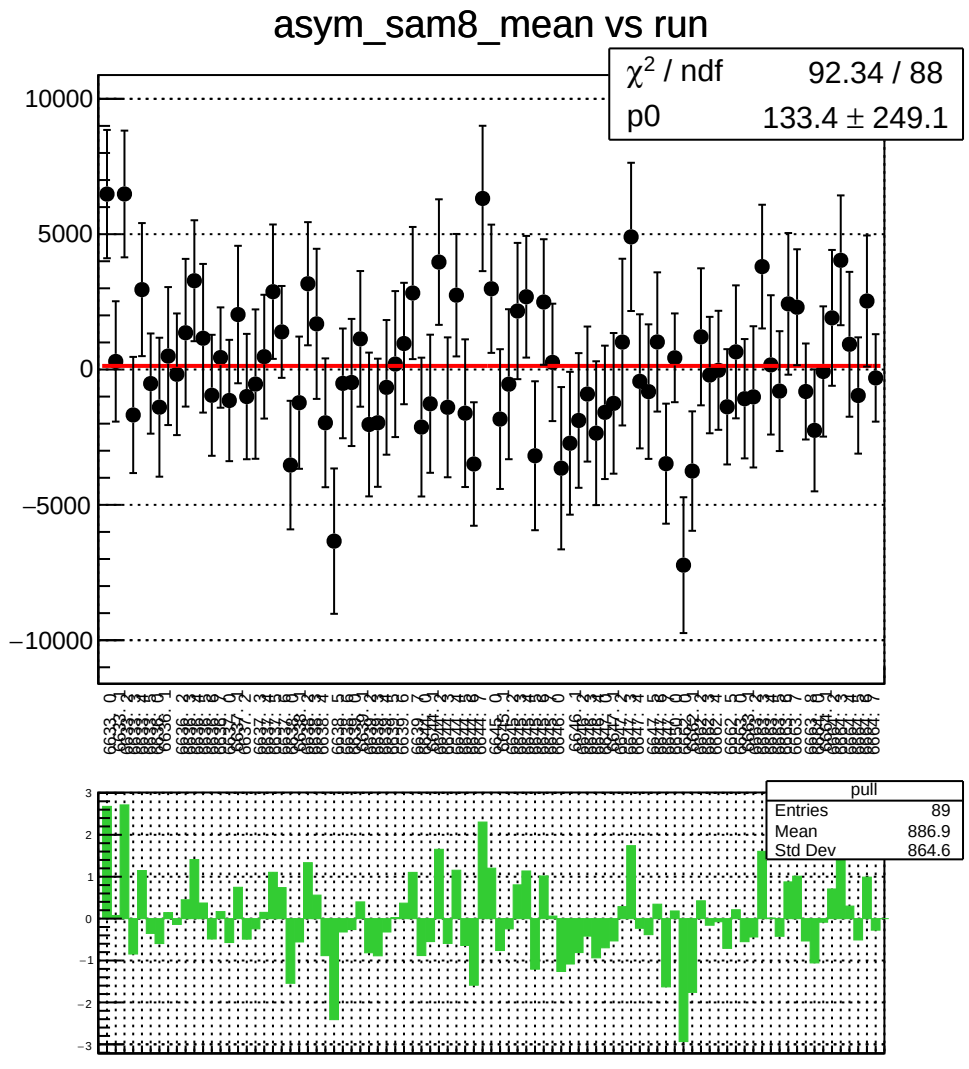

dit_asym_sam8_mean vs run
χ² / ndf 68.9 / 88
p0 207.1 ± 72.86
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 89
Mean 47.43
Std Dev 161.8
1
0
−1
−2
−3

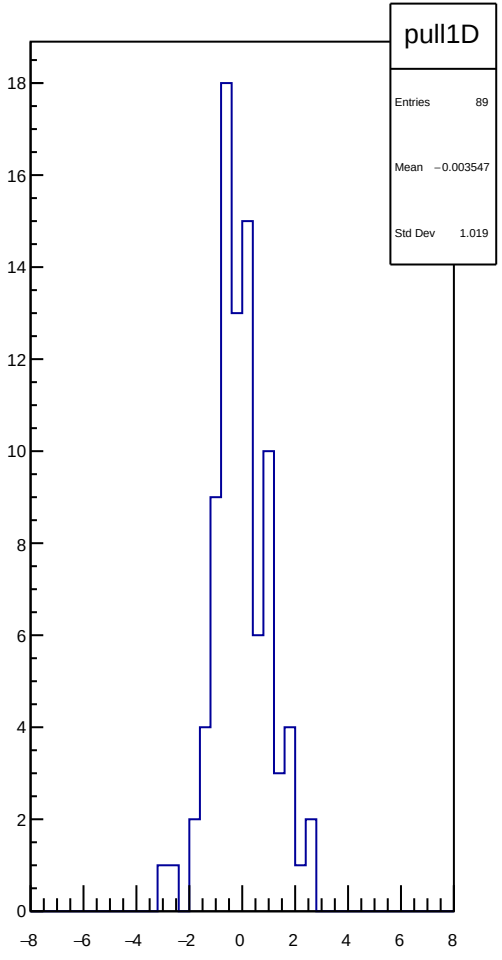

pull1D
Entries 89
Mean −0.000835
Std Dev 0.8798
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

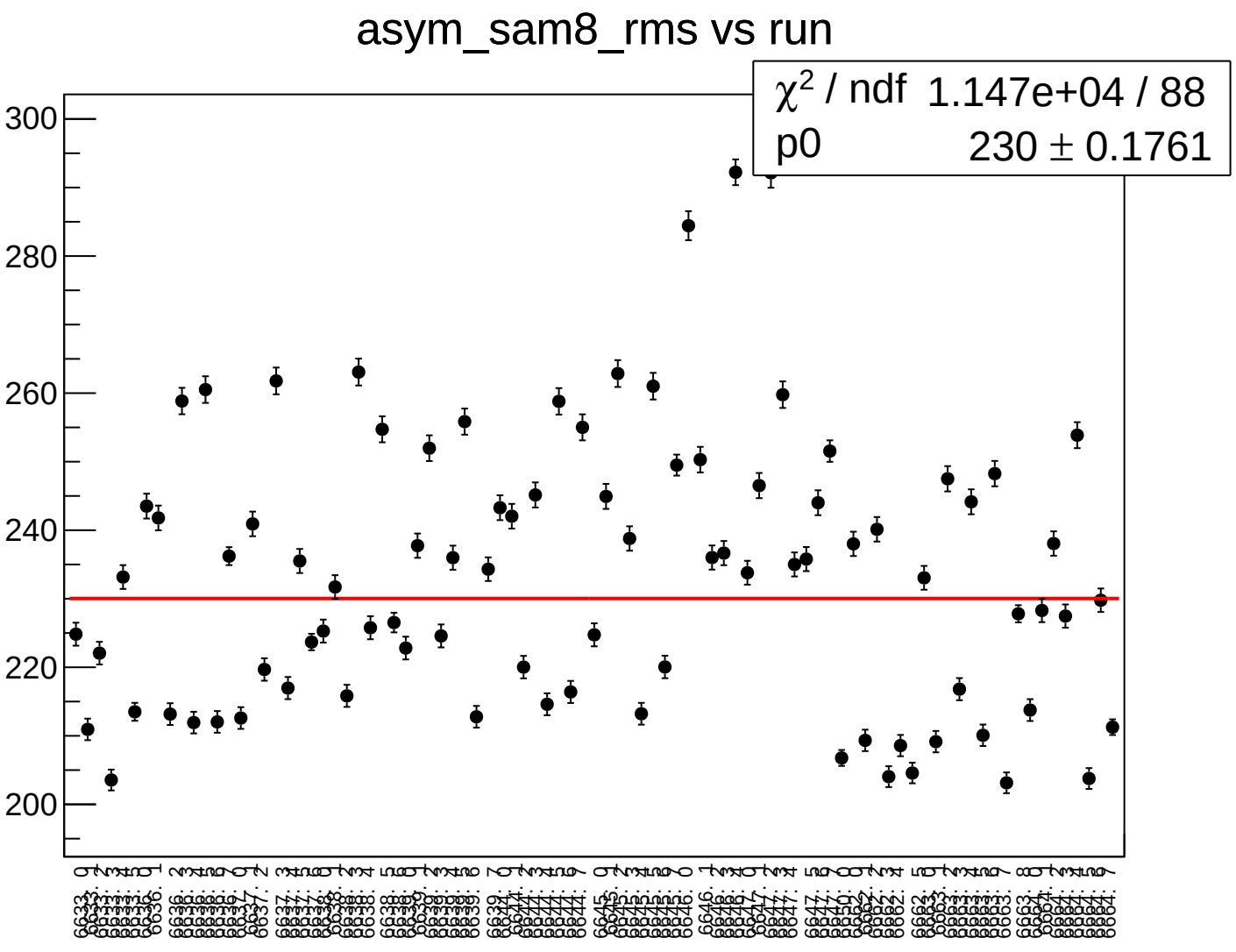

dit_asym_sam8_rms vs run
χ^2 / ndf 2.072e+04 / 88
p0 67.1 ± 0.05152
120
110
100
90
80
70
60

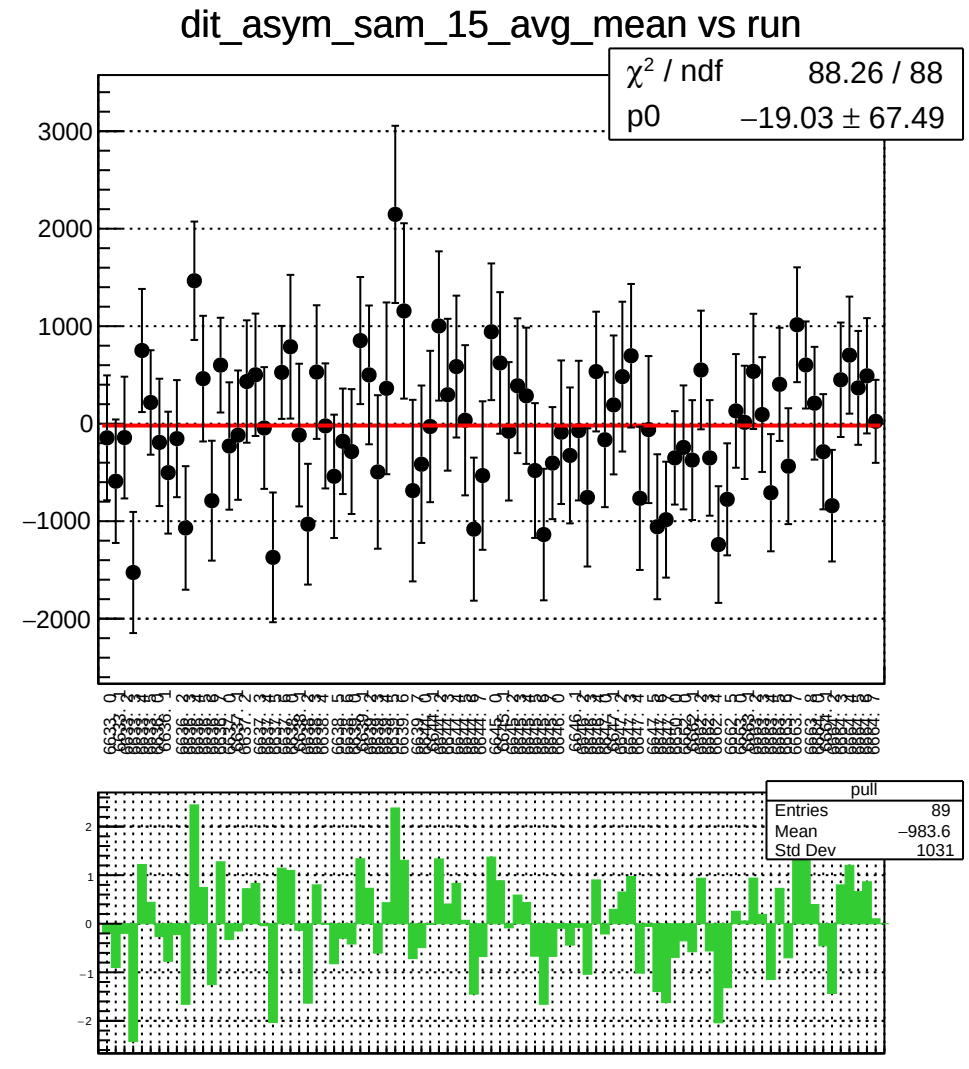

asym_sam8_correction_mean vs run
χ² / ndf 89.01 / 88
p0 80.1 ± 240.4
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 1743
Std Dev 1723
pull1D
Entries 89
Mean 0.00176
Std Dev 1
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

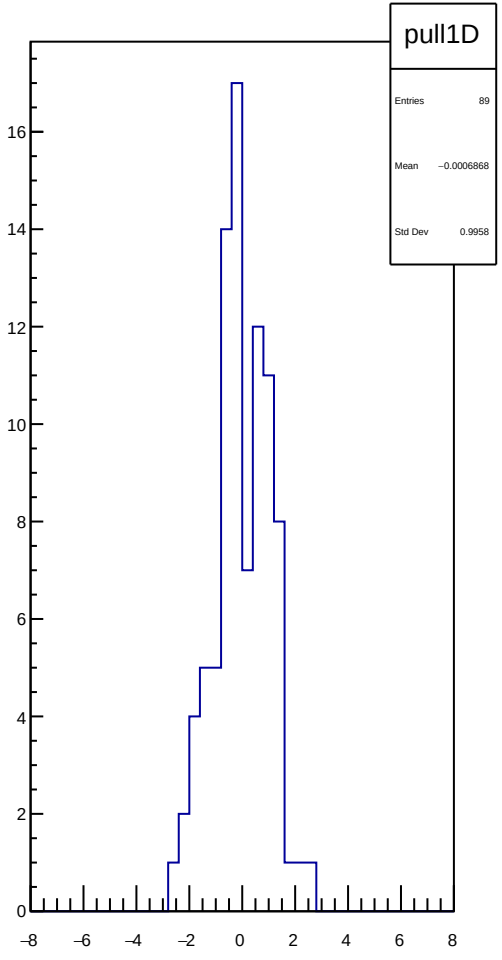

asym_sam8_correction_rms vs run
χ² / ndf 1.17e+04 / 88
p0 222 ± 0.17
280
260
240
220
200

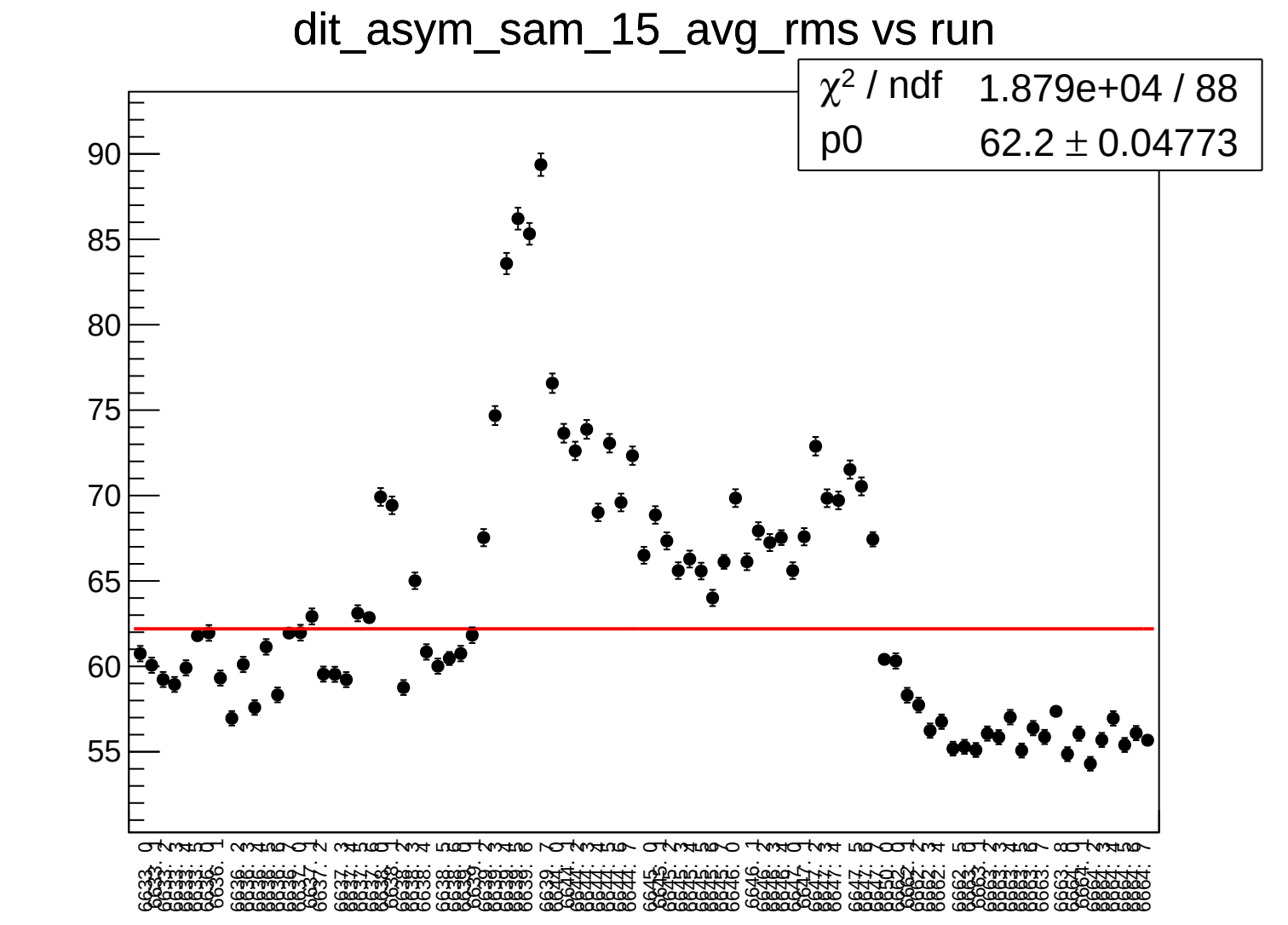

asym_sam8_mean vs run
χ² / ndf 92.34 / 88
p0 133.4 ± 249.1
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 886.9
Std Dev 864.6
3
2
1
0
−1
−2
−3

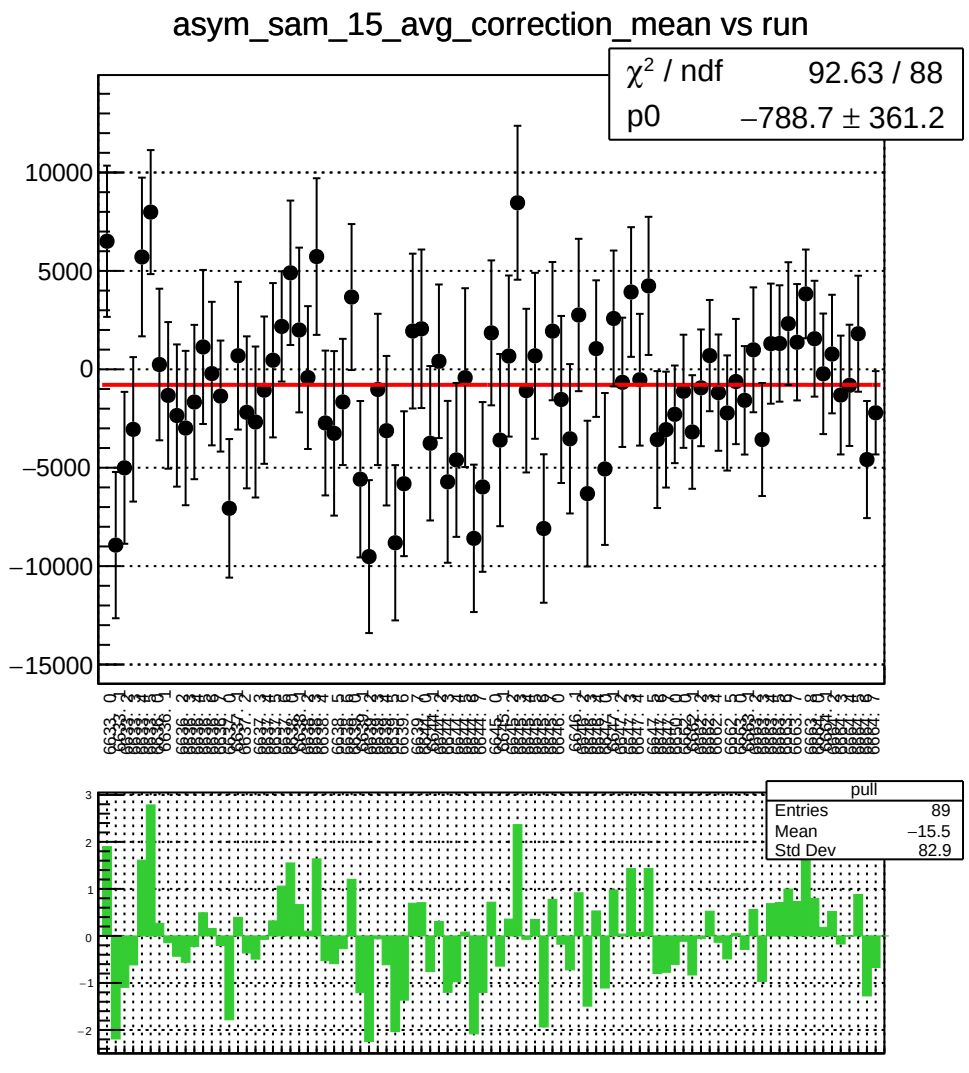

pull1D
Entries 89
Mean −0.003547
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

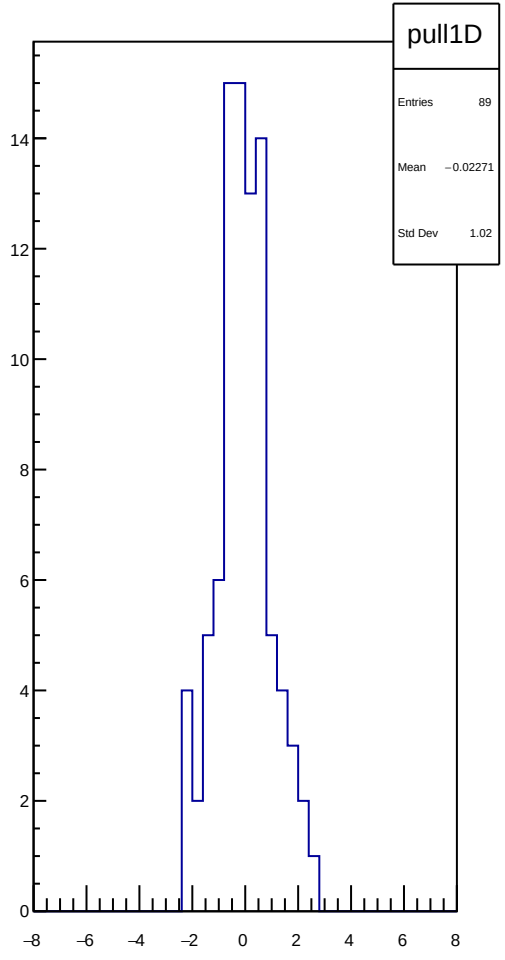

asym_sam8_rms vs run
χ^2 / ndf 1.147e+04 / 88
p0 230 ± 0.1761
300
280
260
240
220
200

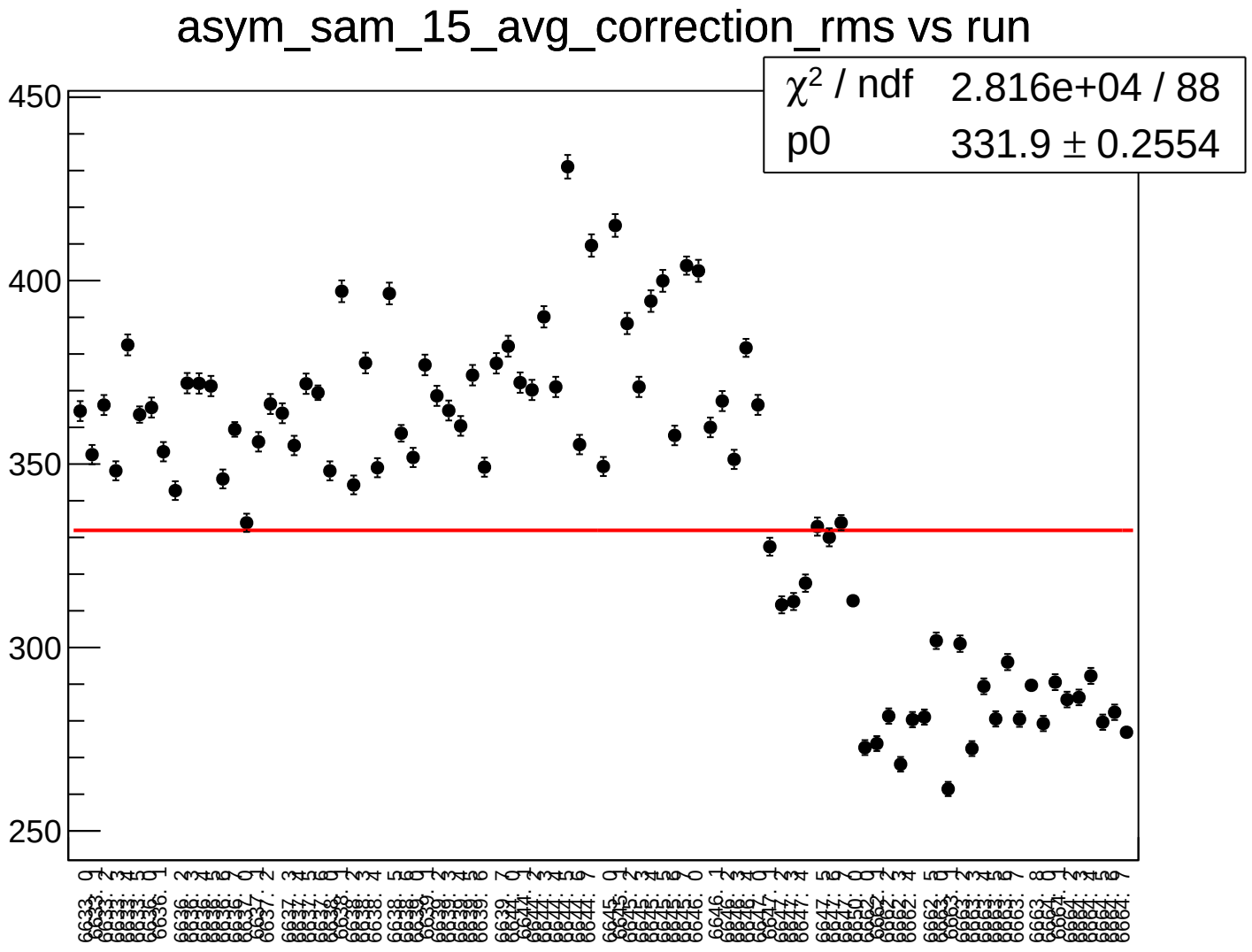

dit_asym_sam_15_avg_mean vs run
χ² / ndf 88.26 / 88
p0 −19.03 ± 67.49
3000
2000
1000
0
−1000
−2000
pull
Entries 89
Mean −983.6
Std Dev 1031
2
1
0
−1
−2

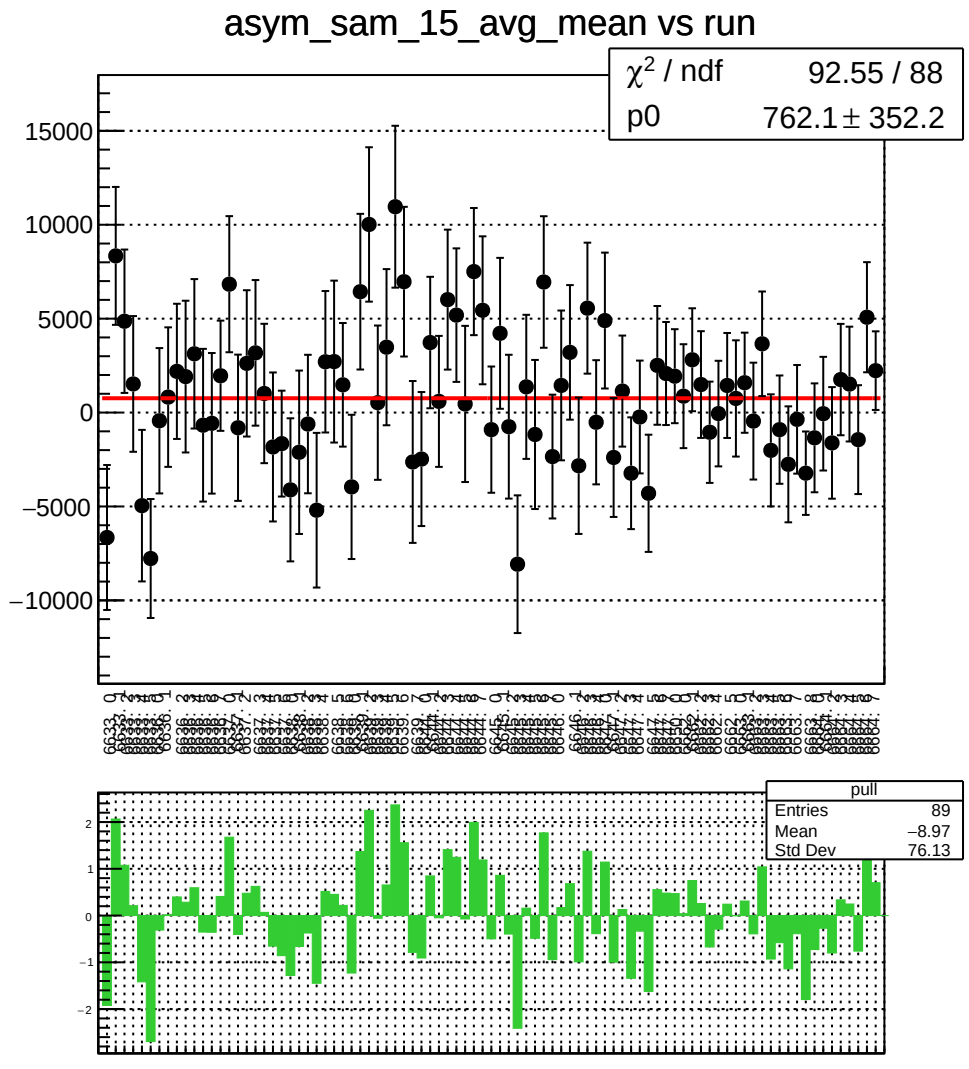

pull1D
Entries 89
Mean −0.0006868
Std Dev 0.9958
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

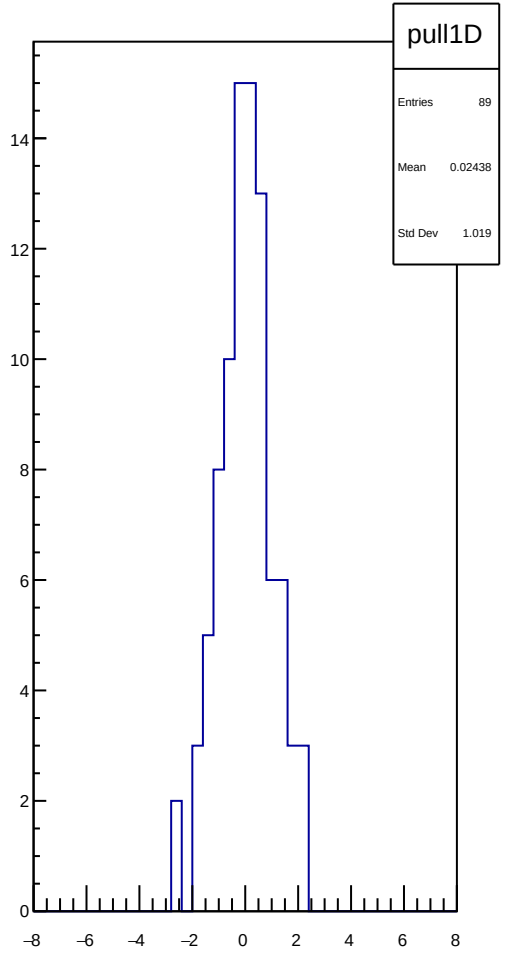

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.879e+04 / 88
p0 62.2 ± 0.04773
90
85
80
75
70
65
60
55

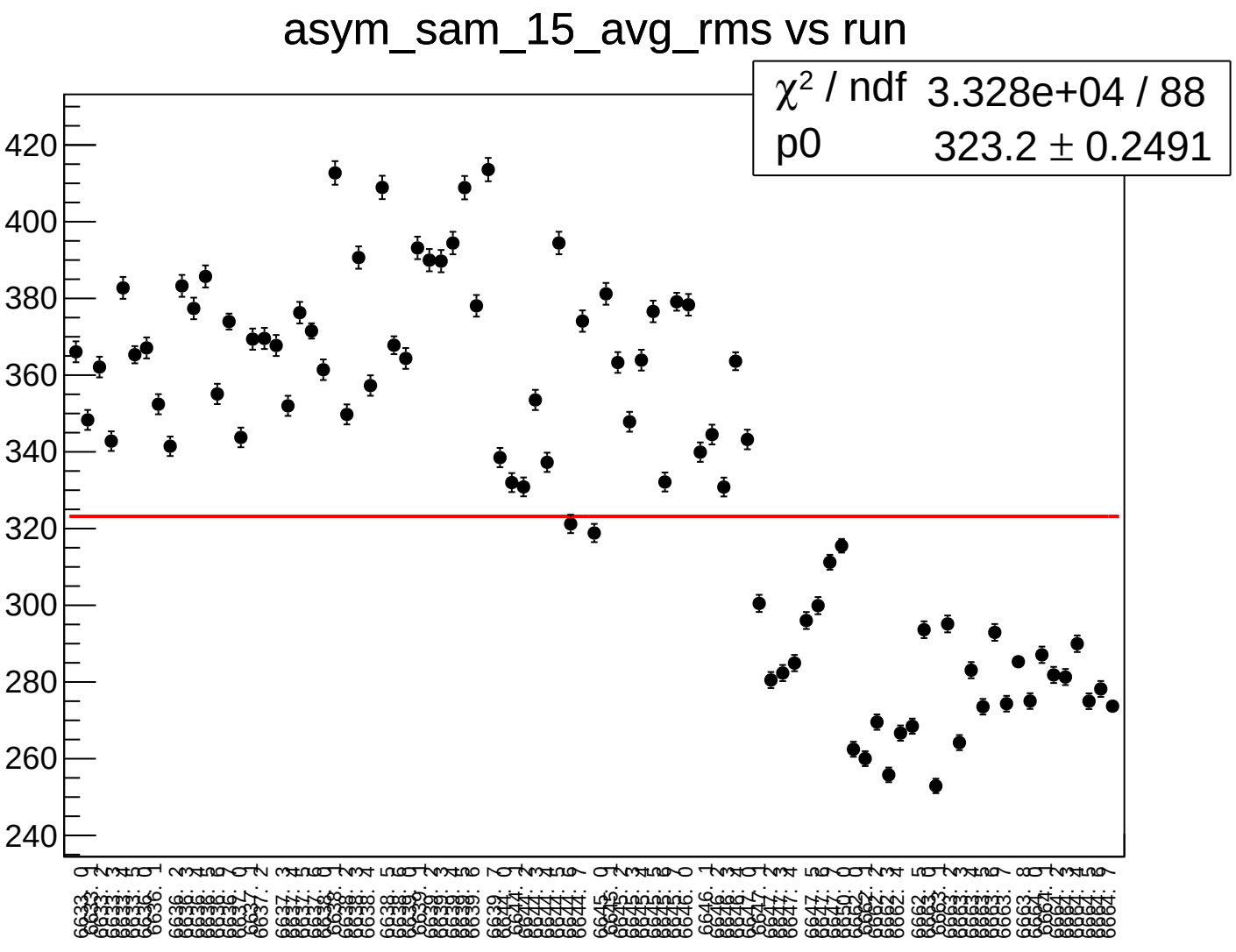

asym_sam_15_avg_correction_mean vs run
χ² / ndf 92.63 / 88
p0 −788.7 ± 361.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −15.5
Std Dev 82.9
3
2
1
0
−1
−2

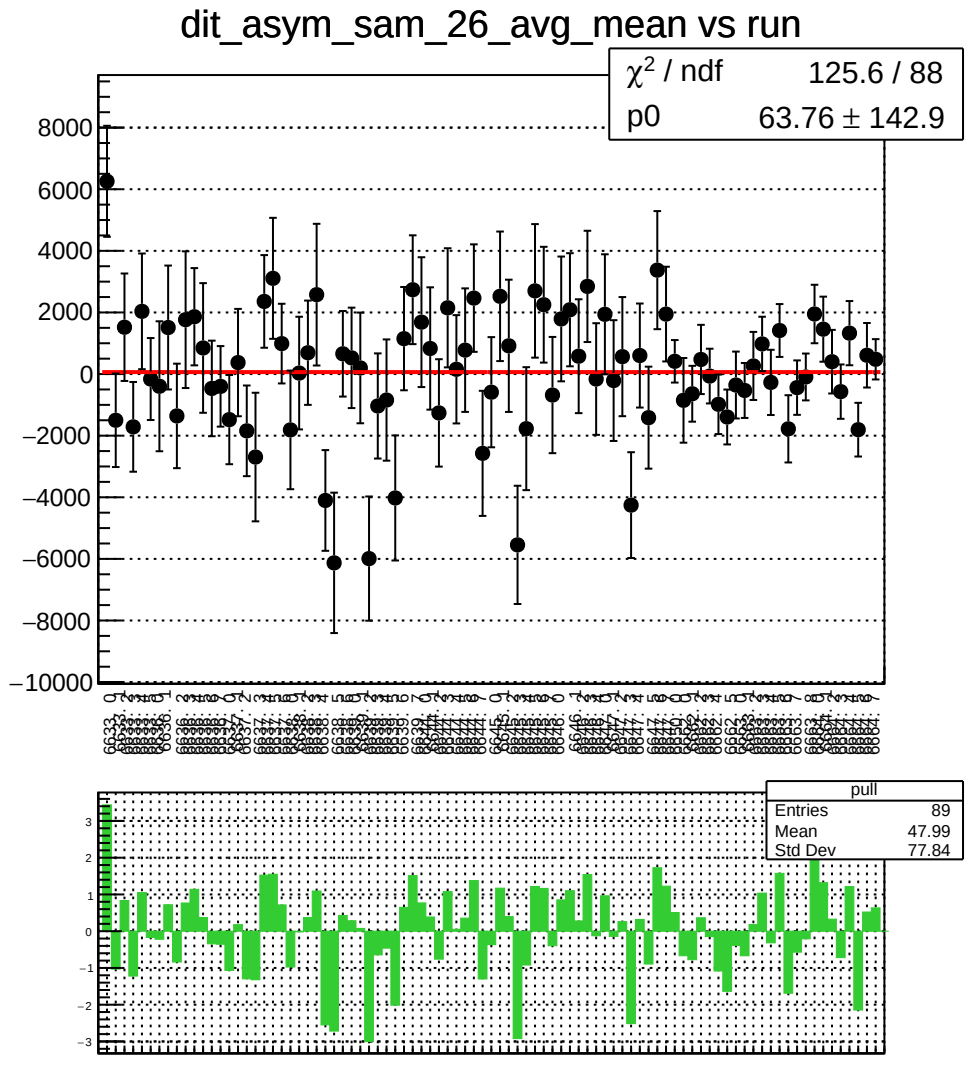

pull1D
Entries 89
Mean −0.02271
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

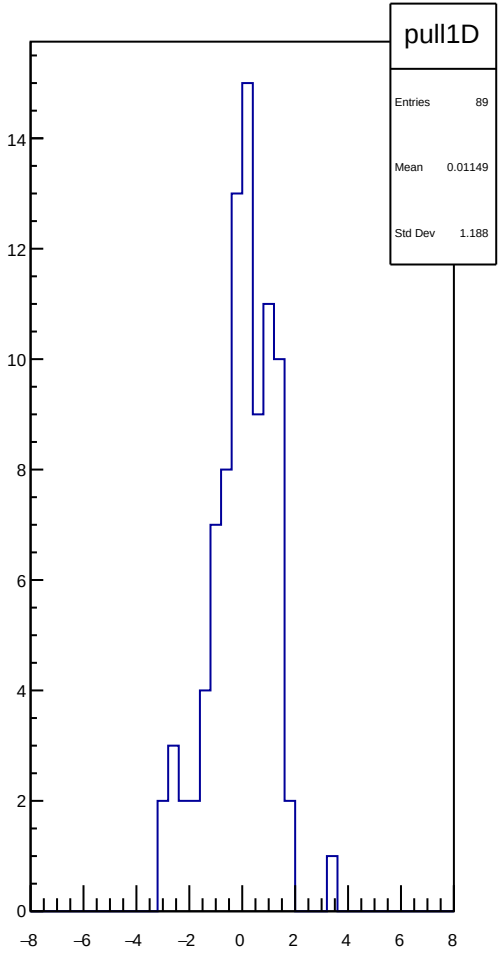

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2.816e+04 / 88
p0 331.9 ± 0.2554
450
400
350
300
250

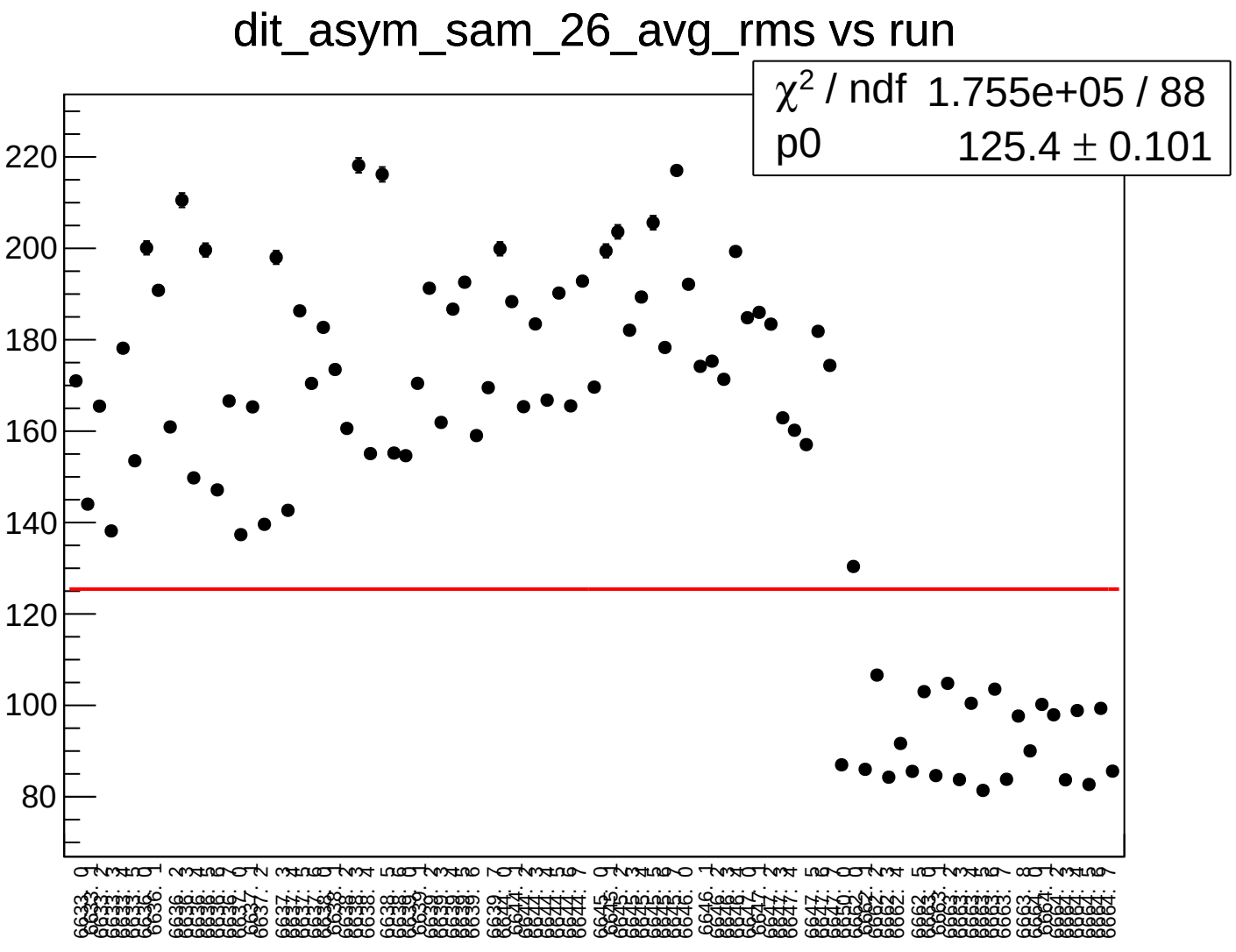

asym_sam_15_avg_mean vs run
χ² / ndf 92.55 / 88
p0 762.1 ± 352.2
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −8.97
Std Dev 76.13
2
1
0
−1
−2

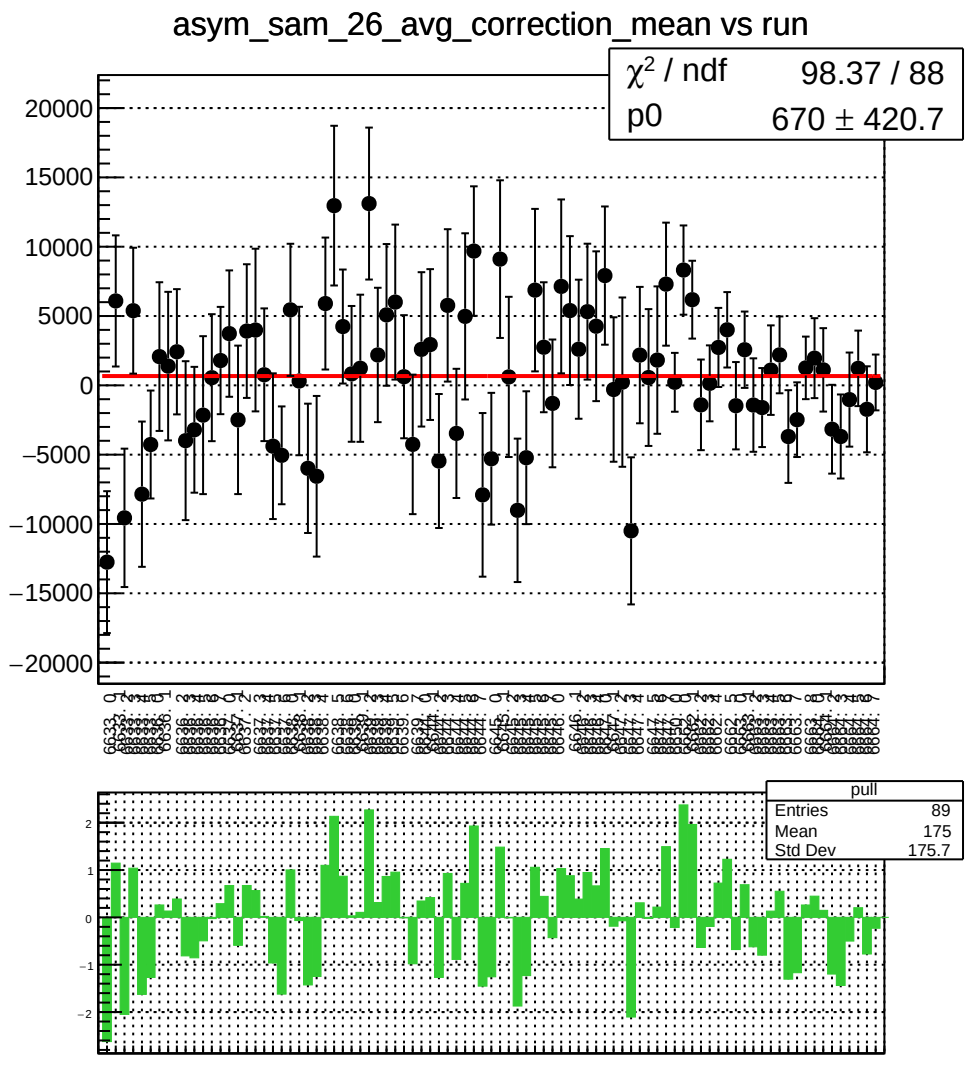

pull1D
Entries 89
Mean 0.02438
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

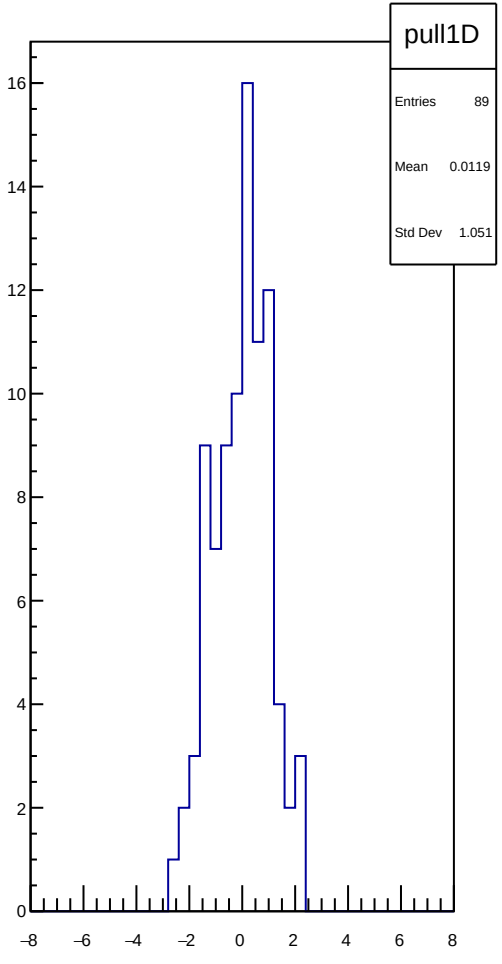

asym_sam_15_avg_rms vs run
χ² / ndf 3.328e+04 / 88
p0 323.2 ± 0.2491
420
400
380
360
340
320
300
280
260
240

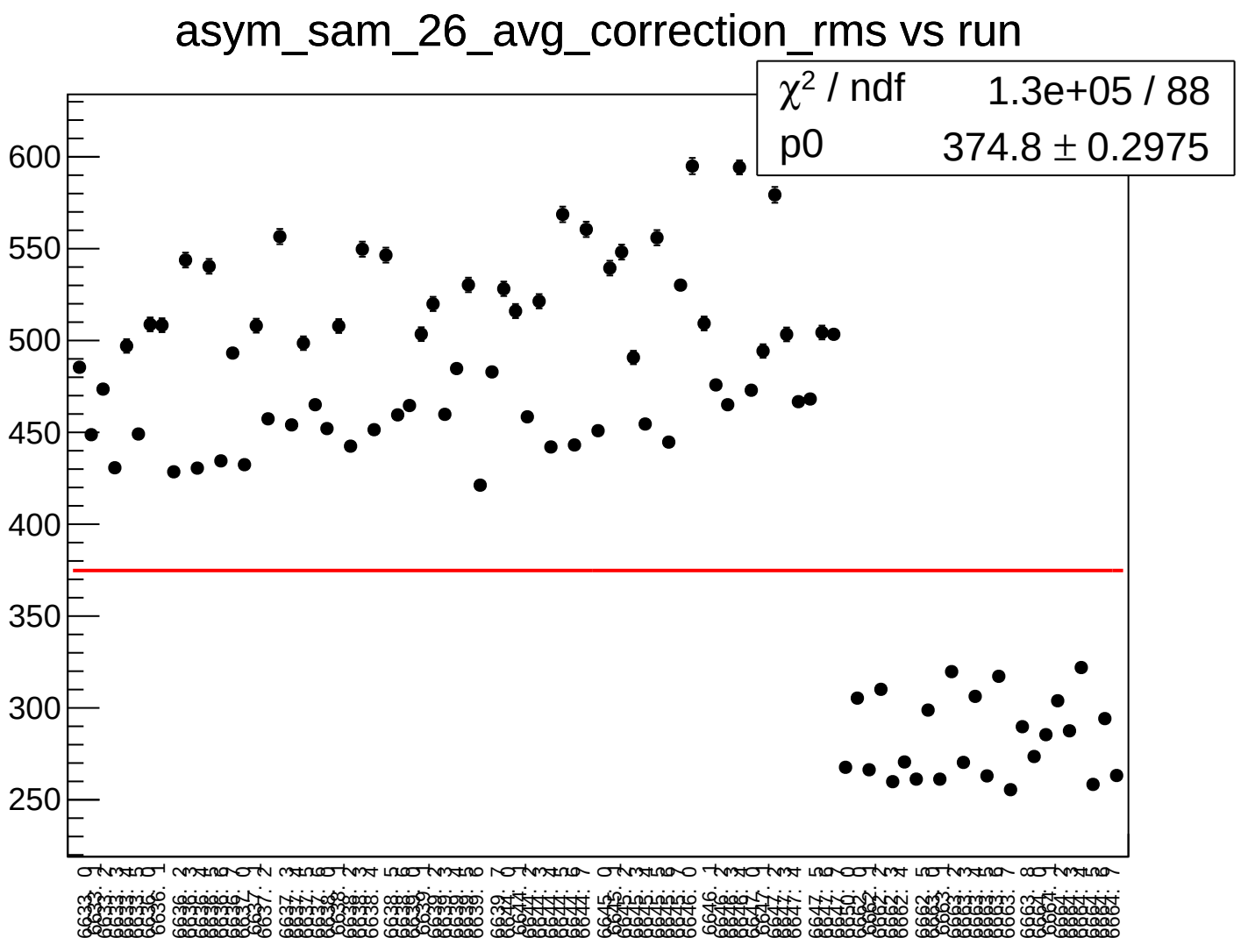

dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 125.6 / 88
p0 63.76 ± 142.9
pull
Entries 89
Mean 47.99
Std Dev 77.84

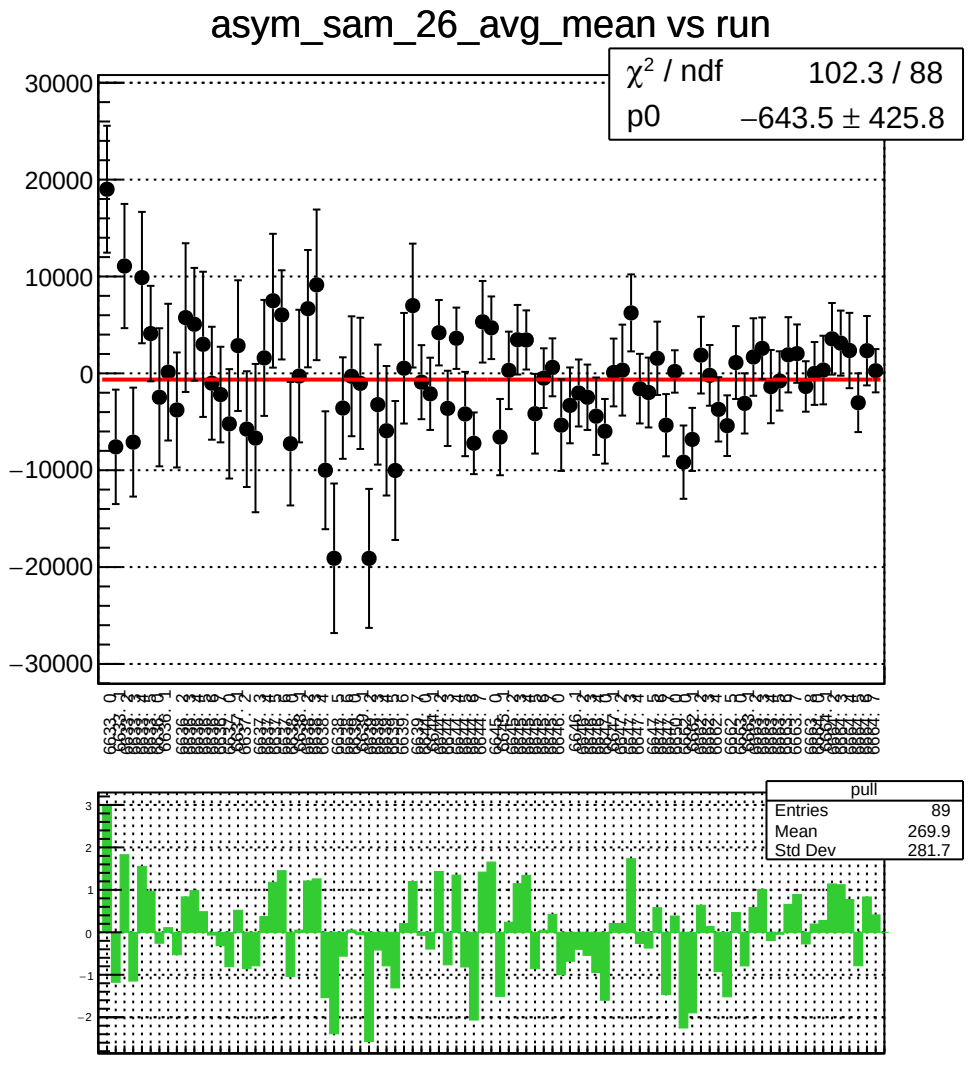

pull1D
Entries 89
Mean 0.01149
Std Dev 1.188

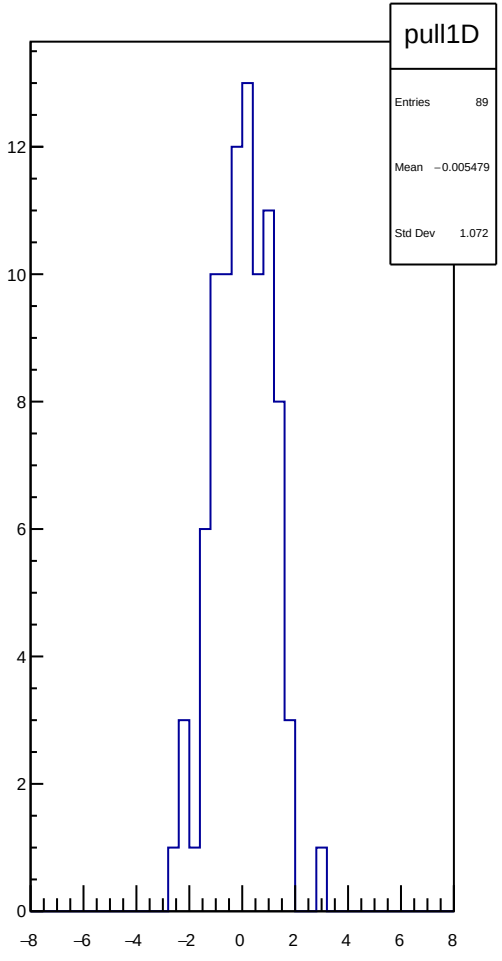

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.755e+05 / 88
p0 125.4 ± 0.101
220
200
180
160
140
120
100
80

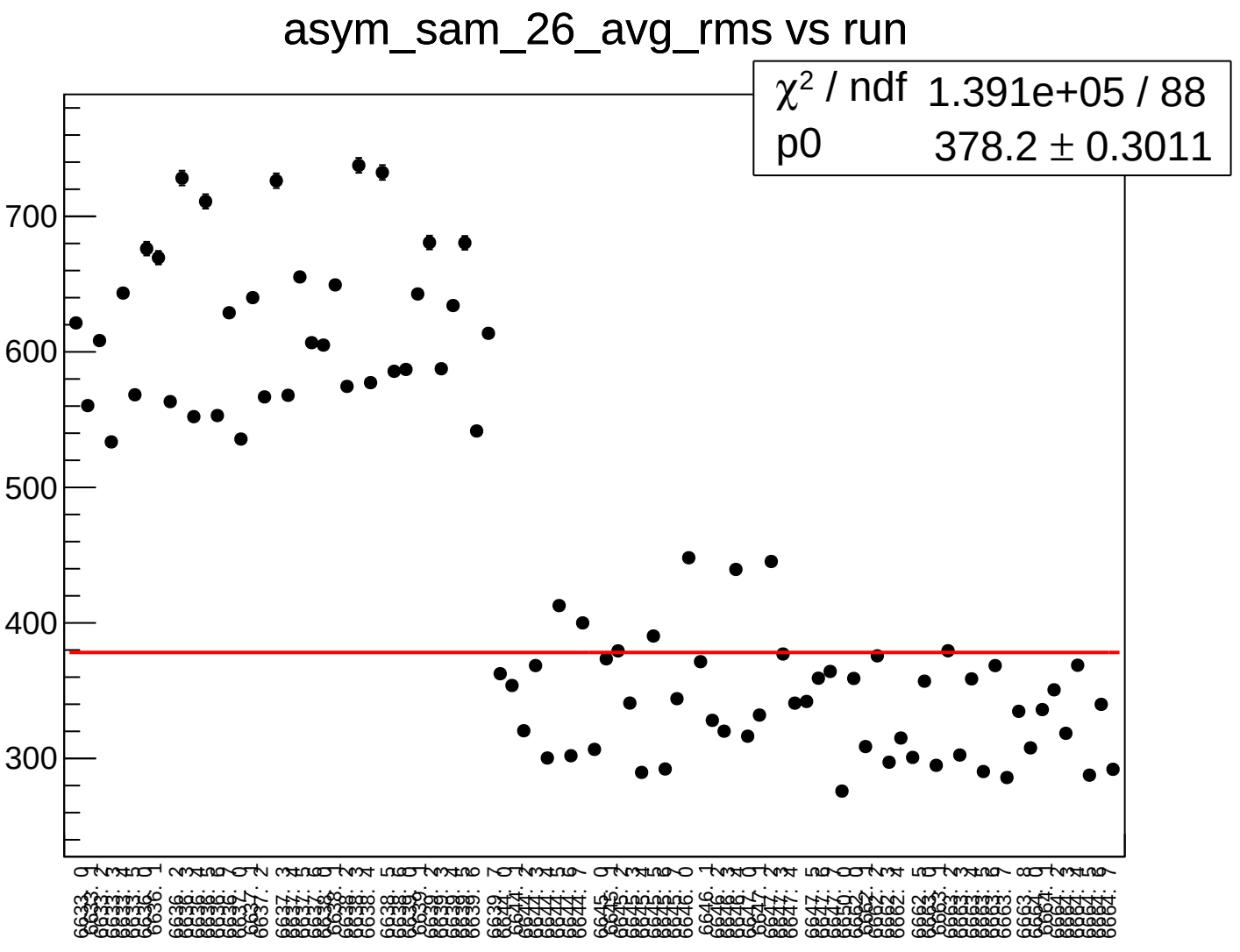

asym_sam_26_avg_correction_mean vs run
χ² / ndf 98.37 / 88
p0 670 ± 420.7
pull
Entries 89
Mean 175
Std Dev 175.7

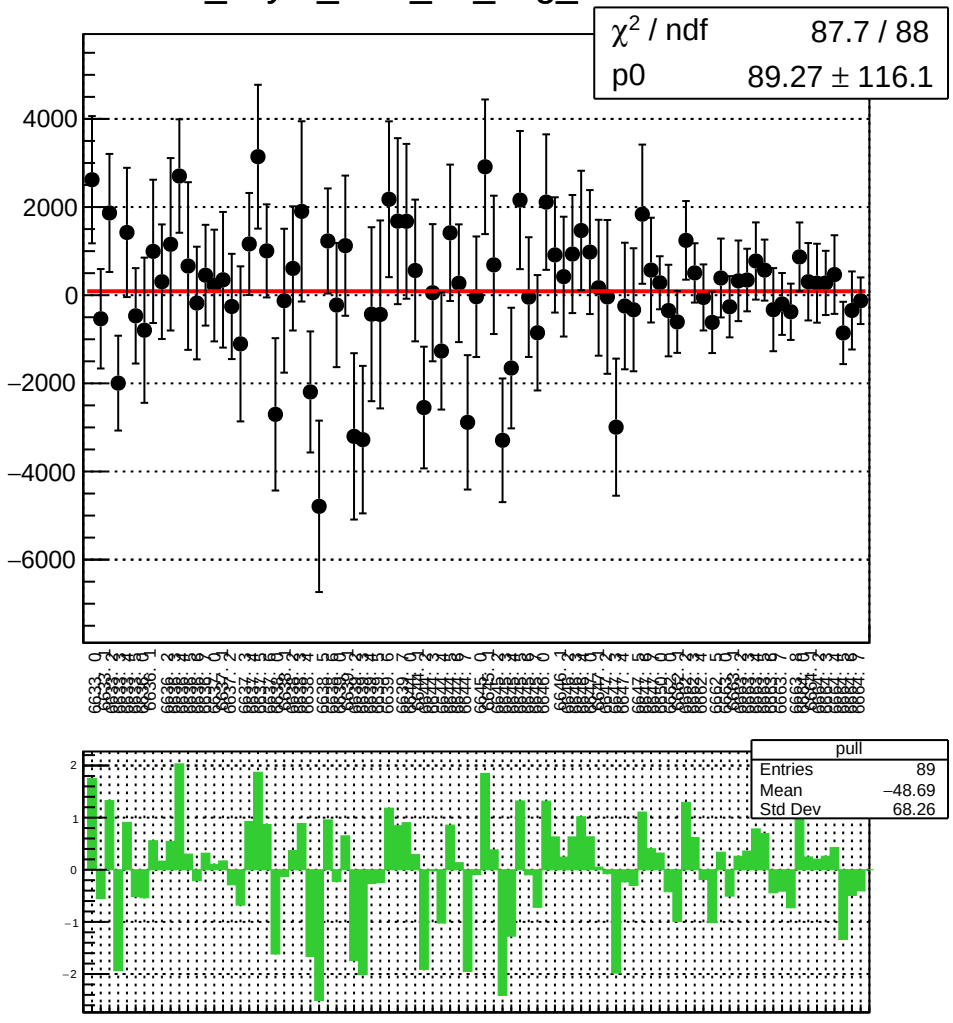

pull1D
Entries 89
Mean 0.0119
Std Dev 1.051

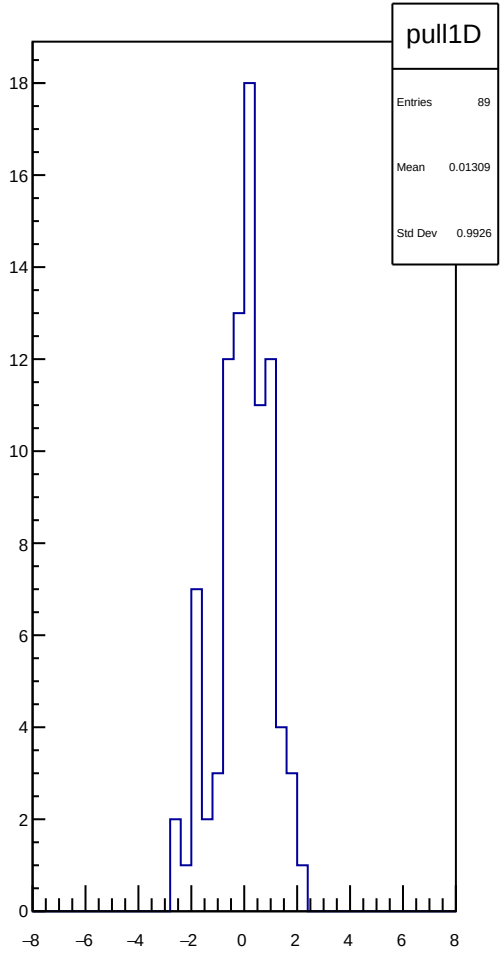

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1.3e+05 / 88
p0 374.8 ± 0.2975
600
550
500
450
400
350
300
250

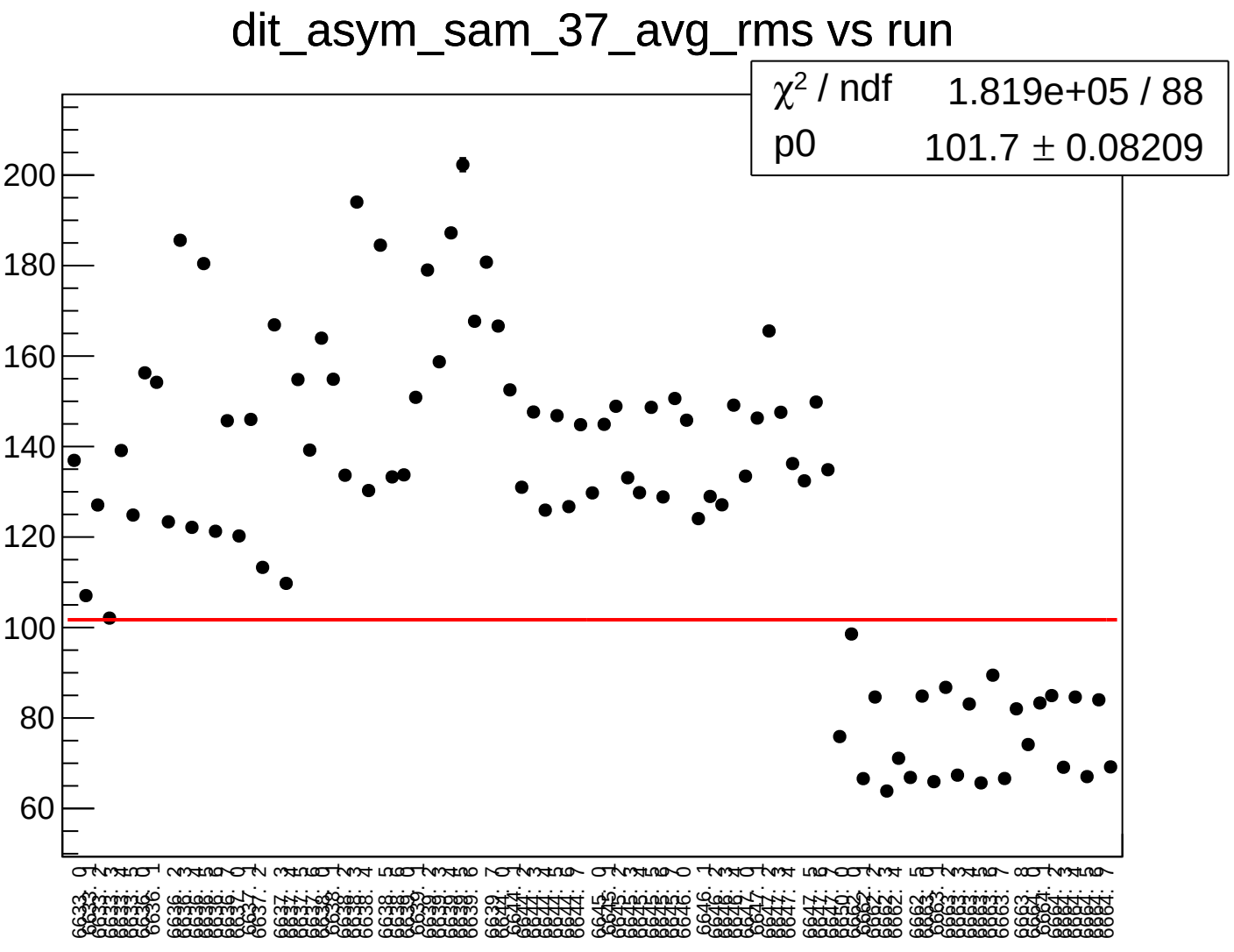

asym_sam_26_avg_mean vs run
χ² / ndf 102.3 / 88
p0 −643.5 ± 425.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 269.9
Std Dev 281.7
3
2
1
0
−1
−2

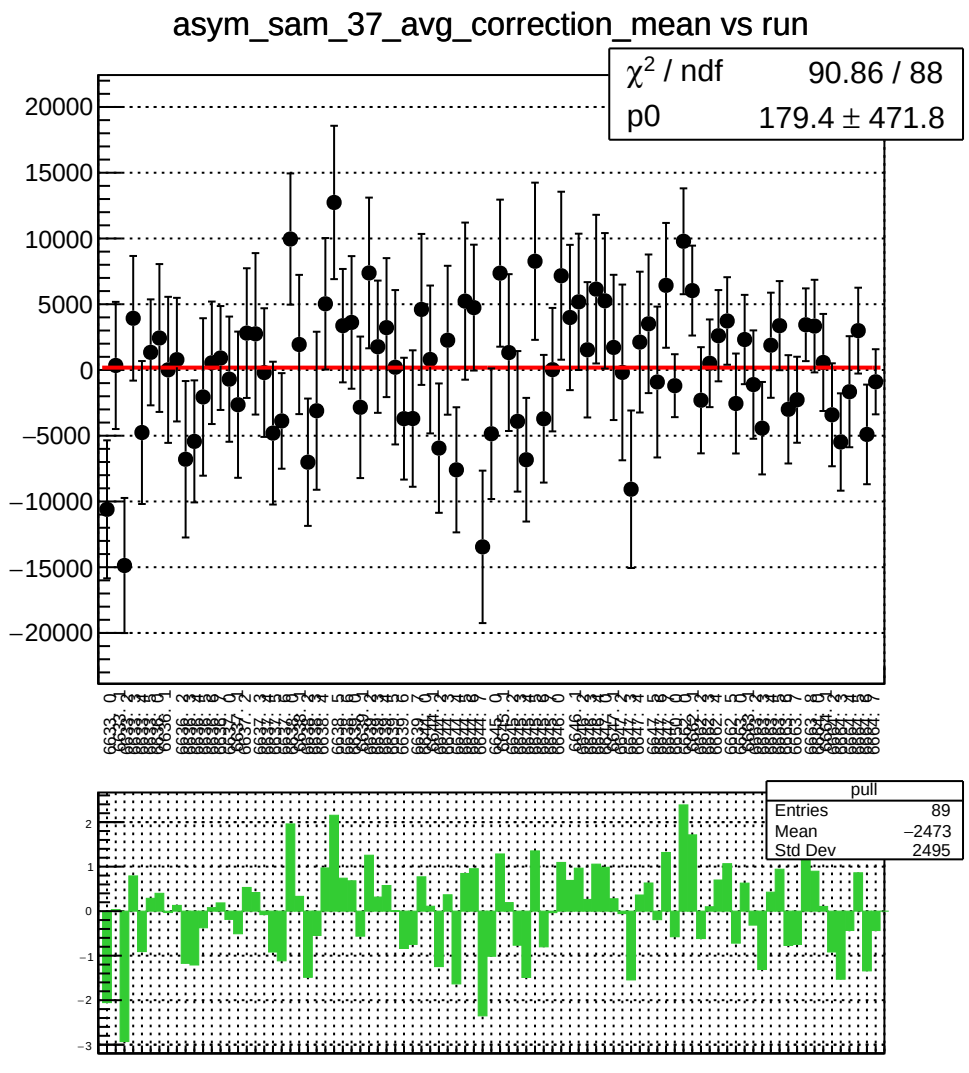

pull1D
Entries 89
Mean −0.005479
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

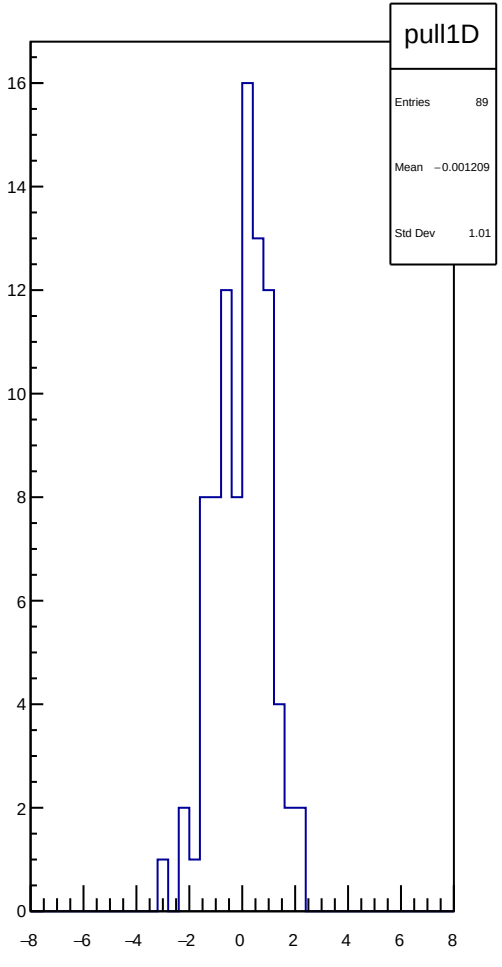

asym_sam_26_avg_rms vs run
χ² / ndf 1.391e+05 / 88
p0 378.2 ± 0.3011
700
600
500
400
300

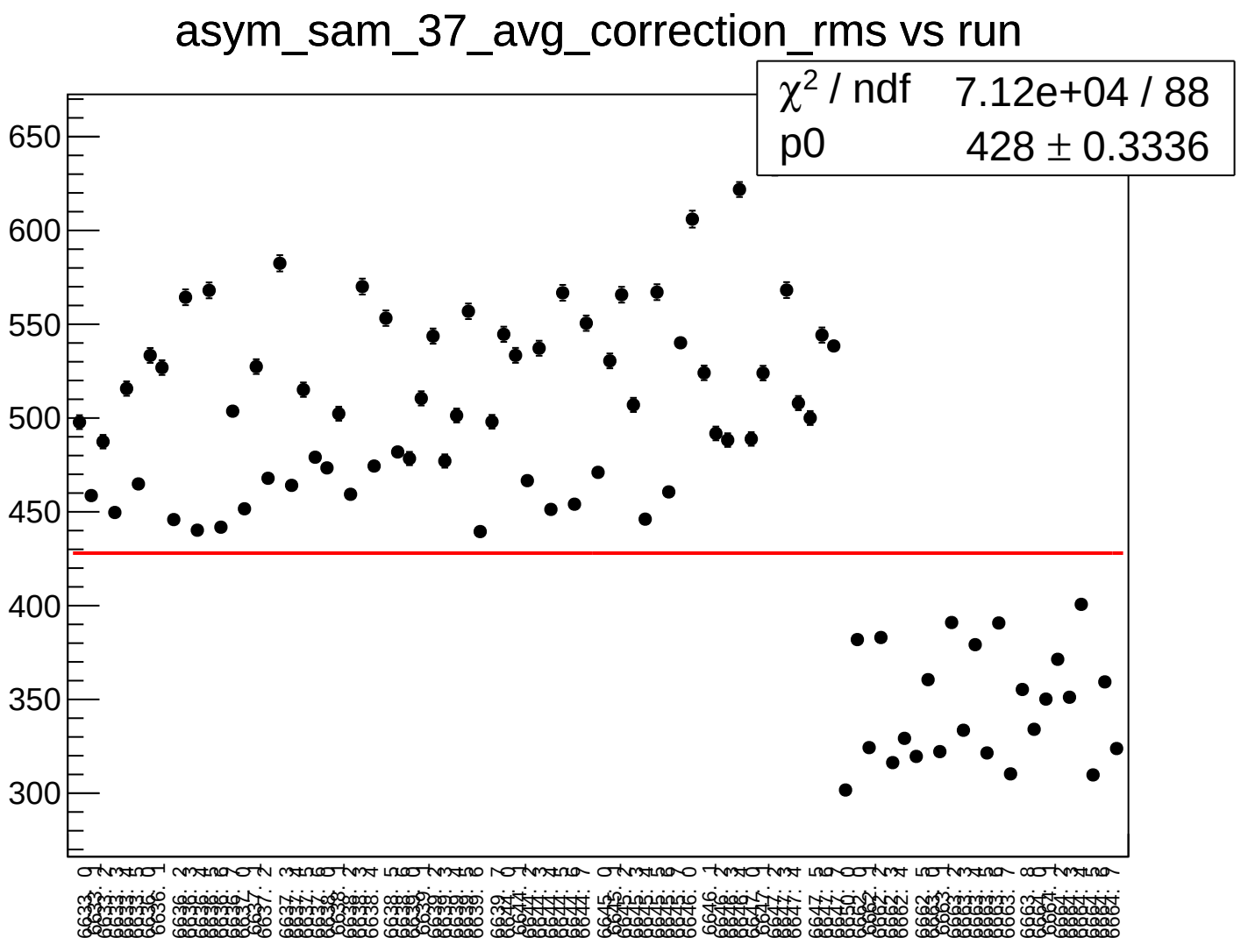

dit_asym_sam_37_avg_mean vs run
χ² / ndf 87.7 / 88
p0 89.27 ± 116.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −48.69
Std Dev 68.26
2
1
0
−1
−2

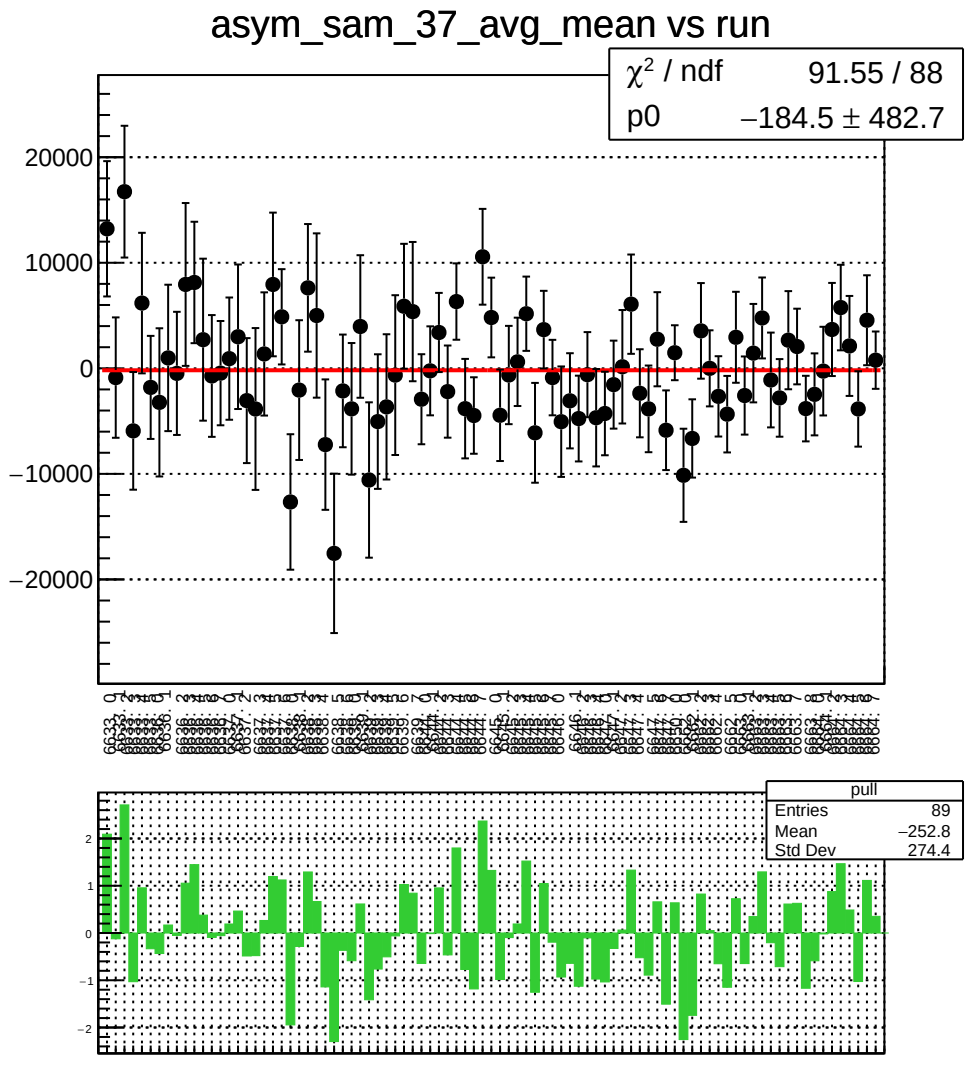

pull1D
Entries 89
Mean 0.01309
Std Dev 0.9926
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

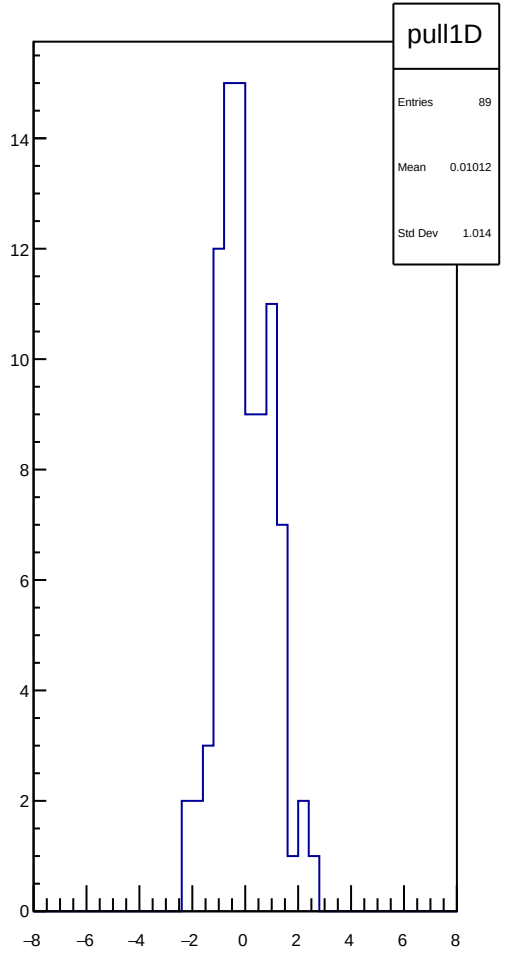

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.819e+05 / 88
p0 101.7 ± 0.08209
200
180
160
140
120
100
80
60

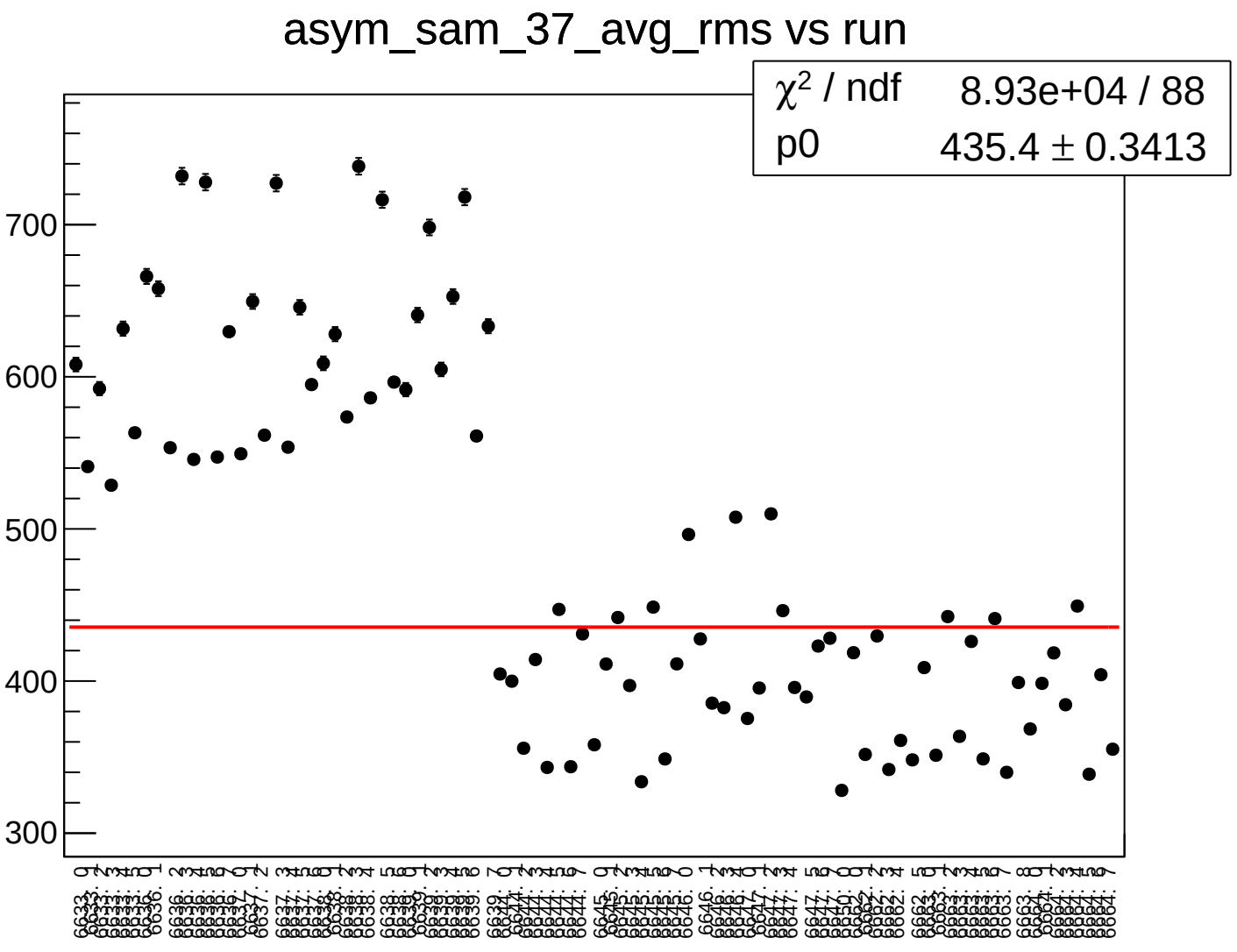

asym_sam_37_avg_correction_mean vs run
χ² / ndf 90.86 / 88
p0 179.4 ± 471.8
pull
Entries 89
Mean −2473
Std Dev 2495

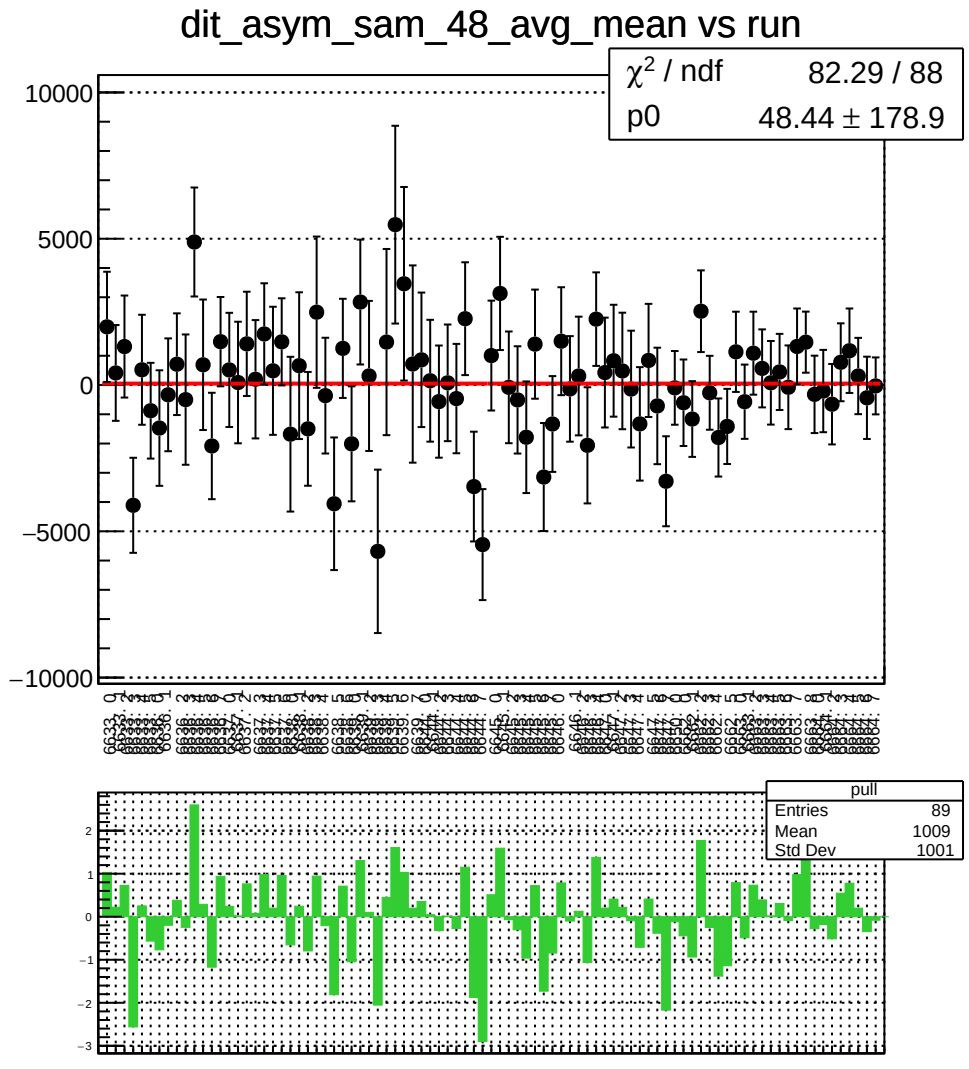

pull1D
Entries 89
Mean −0.001209
Std Dev 1.01

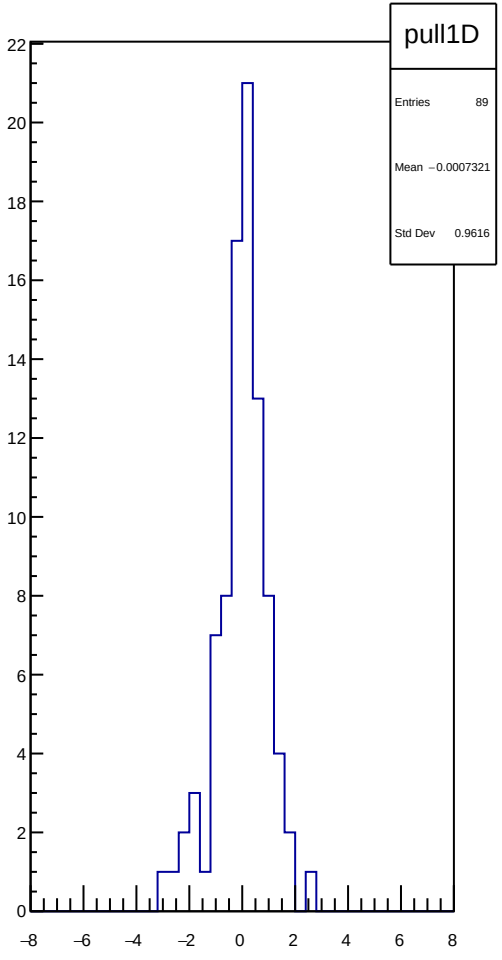

asym_sam_37_avg_correction_rms vs run
χ² / ndf 7.12e+04 / 88
p0 428 ± 0.3336
650
600
550
500
450
400
350
300

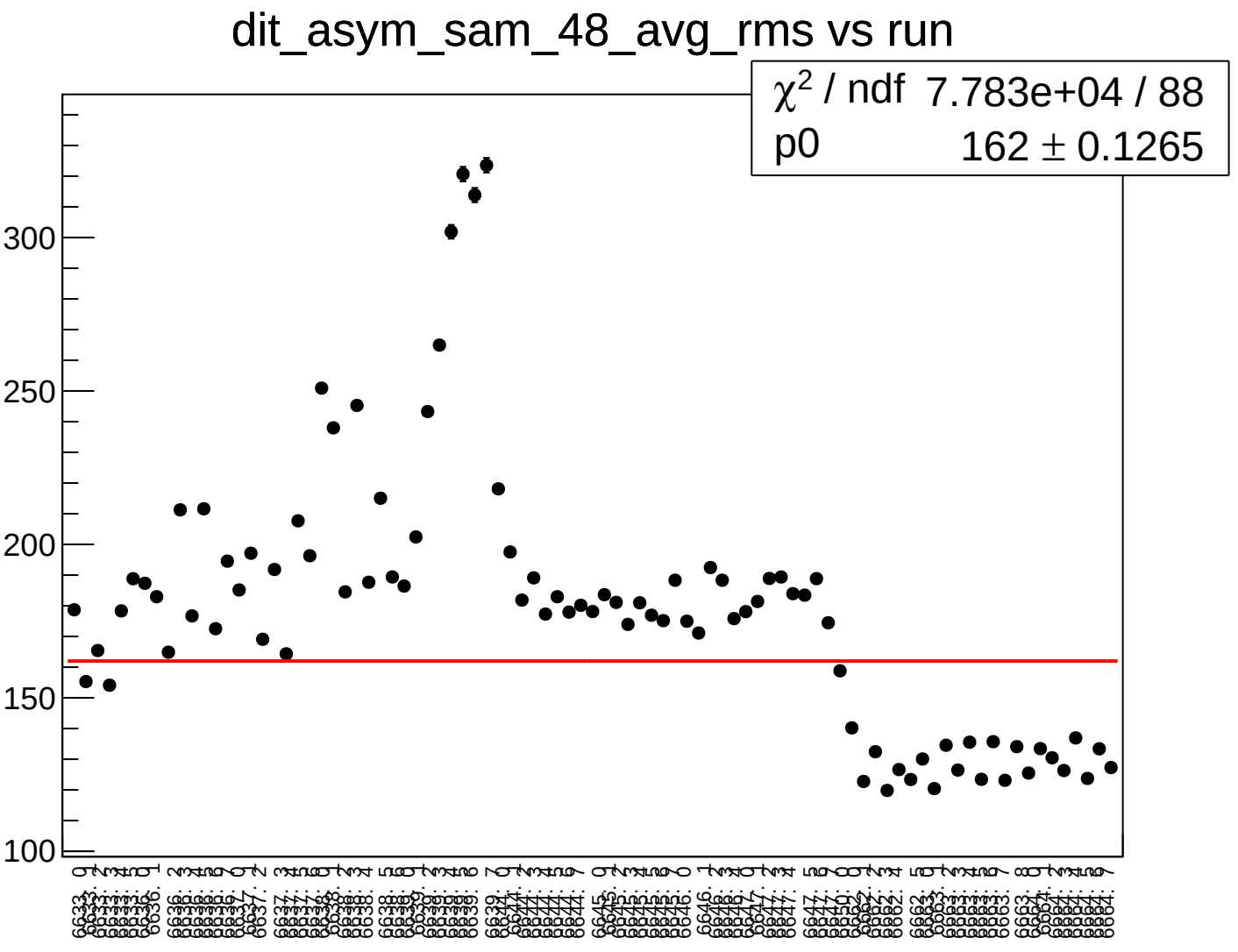

asym_sam_37_avg_mean vs run
χ² / ndf 91.55 / 88
p0 −184.5 ± 482.7
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −252.8
Std Dev 274.4
2
1
0
−1
−2

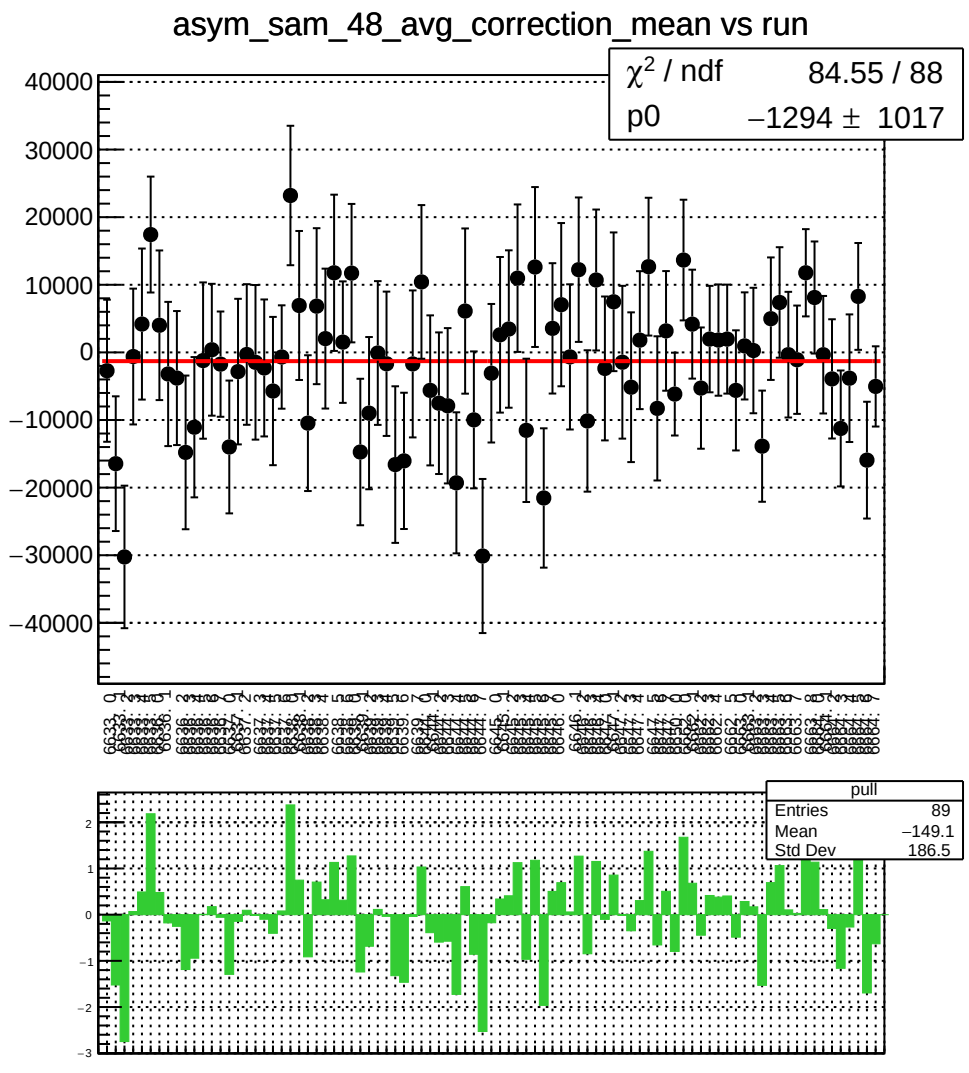

pull1D
Entries 89
Mean 0.01012
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

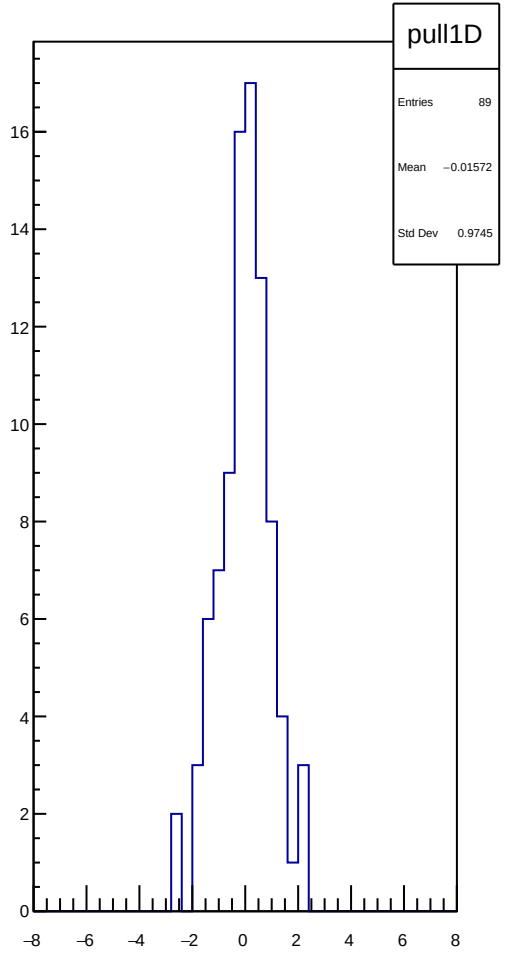

asym_sam_37_avg_rms vs run
χ² / ndf 8.93e+04 / 88
p0 435.4 ± 0.3413
700
600
500
400
300

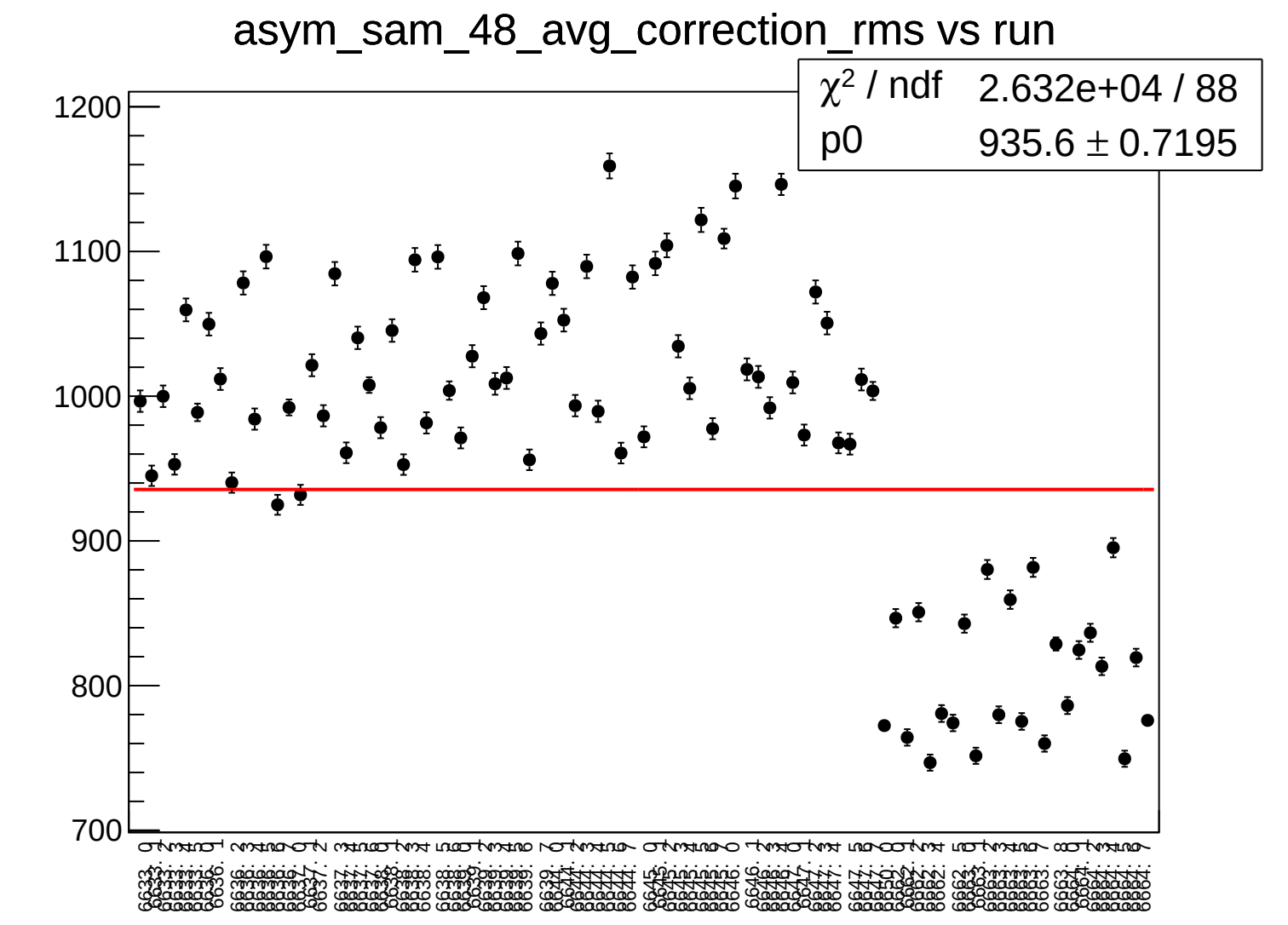

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 82.29 / 88
p0 48.44 ± 178.9
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 1009
Std Dev 1001
2
1
0
−1
−2
−3

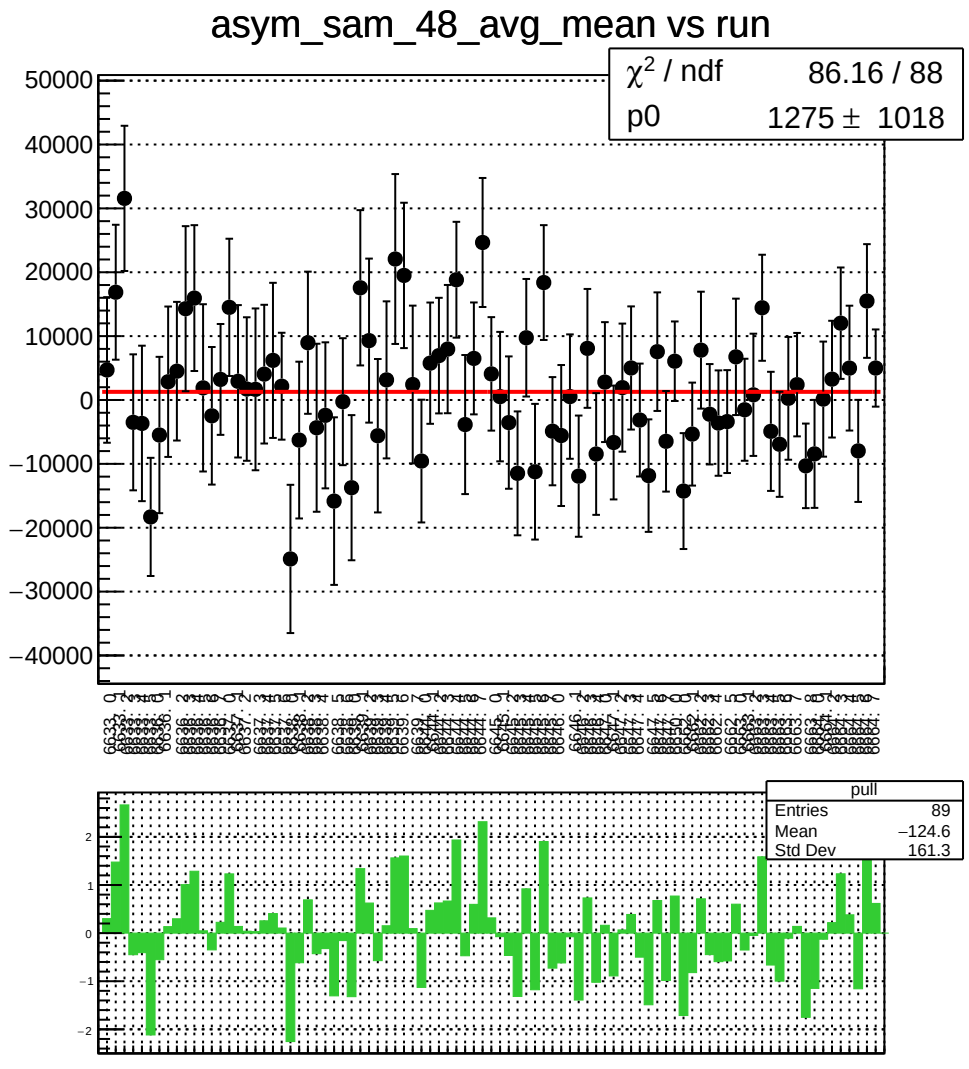

pull1D
Entries 89
Mean −0.0007321
Std Dev 0.9616
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

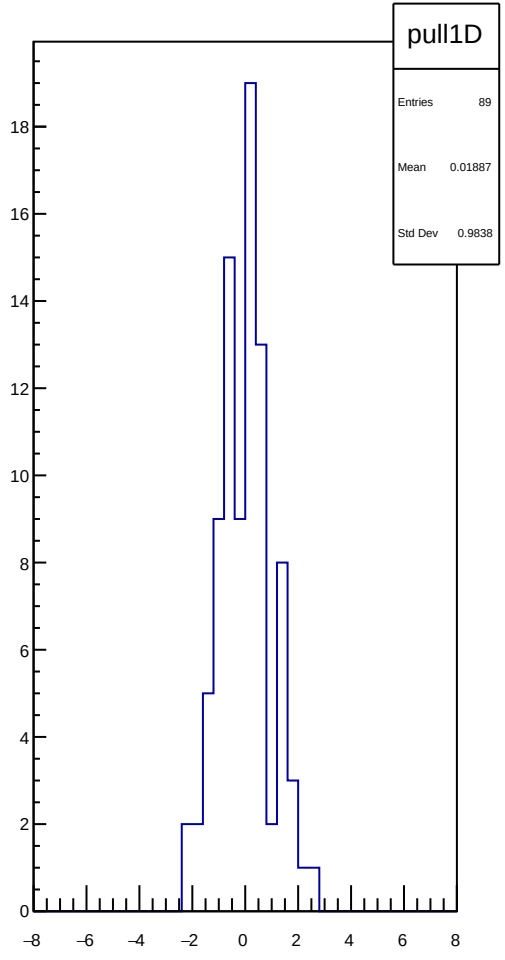

dit_asym_sam_48_avg_rms vs run
χ² / ndf 7.783e+04 / 88
p0 162 ± 0.1265
300
250
200
150
100

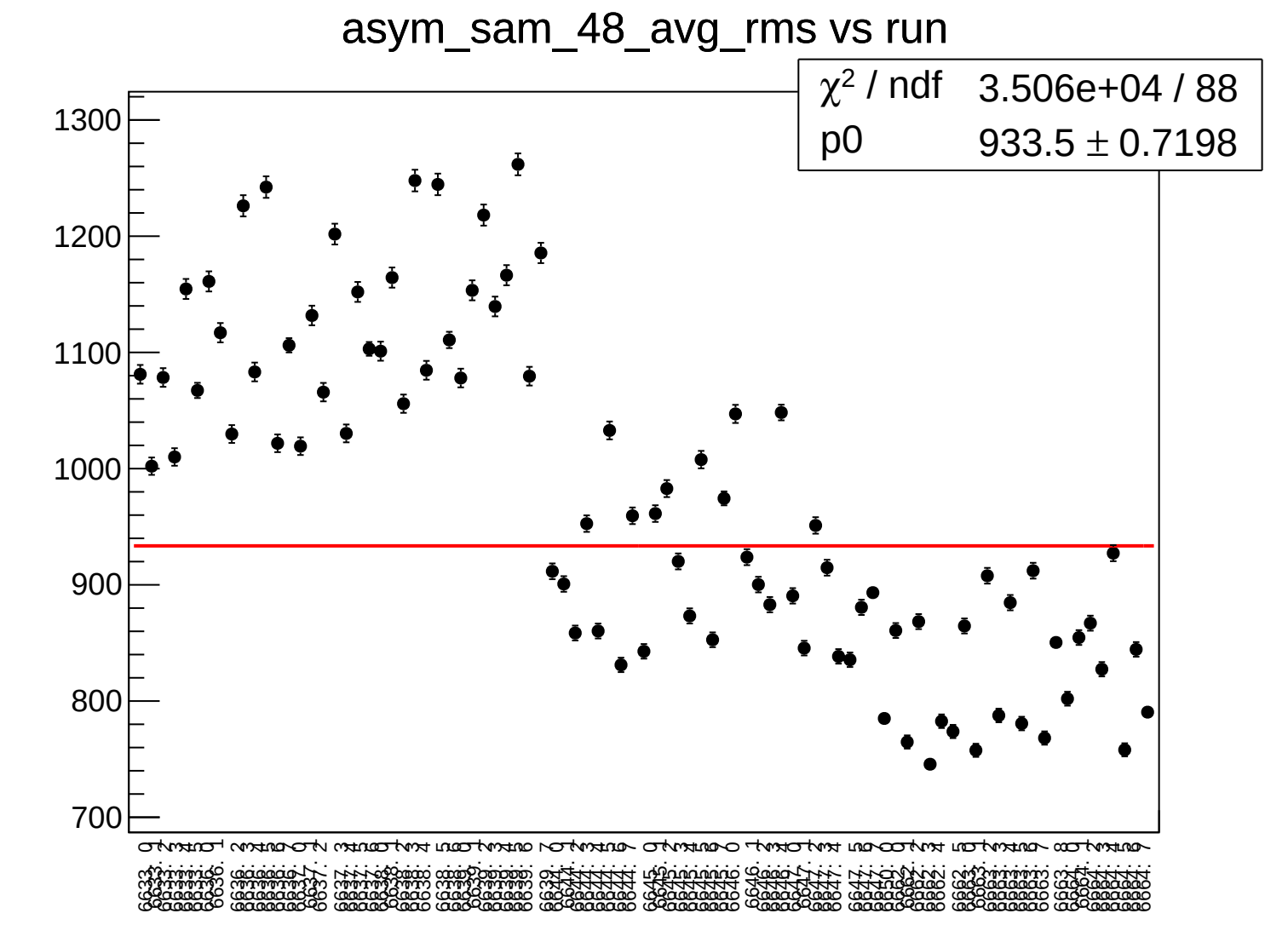

asym_sam_48_avg_correction_mean vs run
χ² / ndf 84.55 / 88
p0 −1294 ± 1017
pull
Entries 89
Mean −149.1
Std Dev 186.5

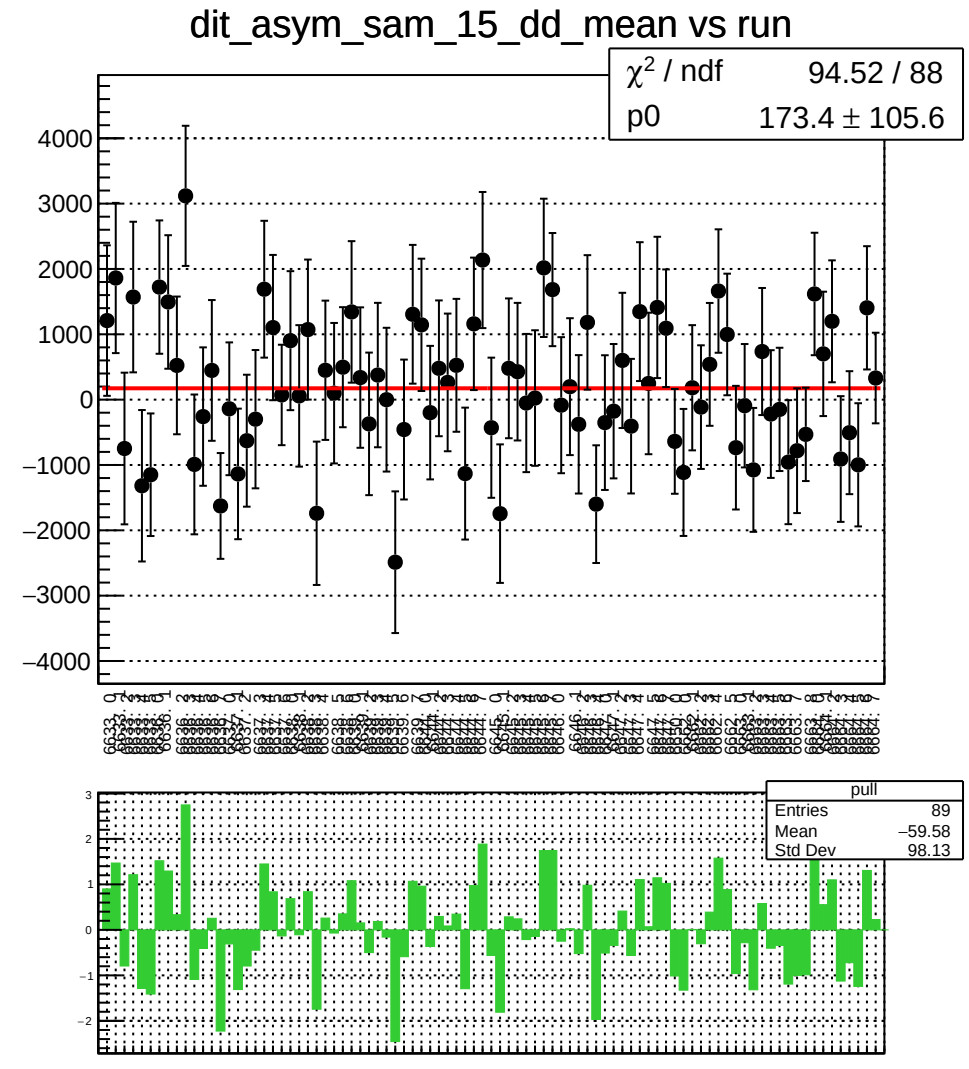

pull1D
Entries 89
Mean −0.01572
Std Dev 0.9745

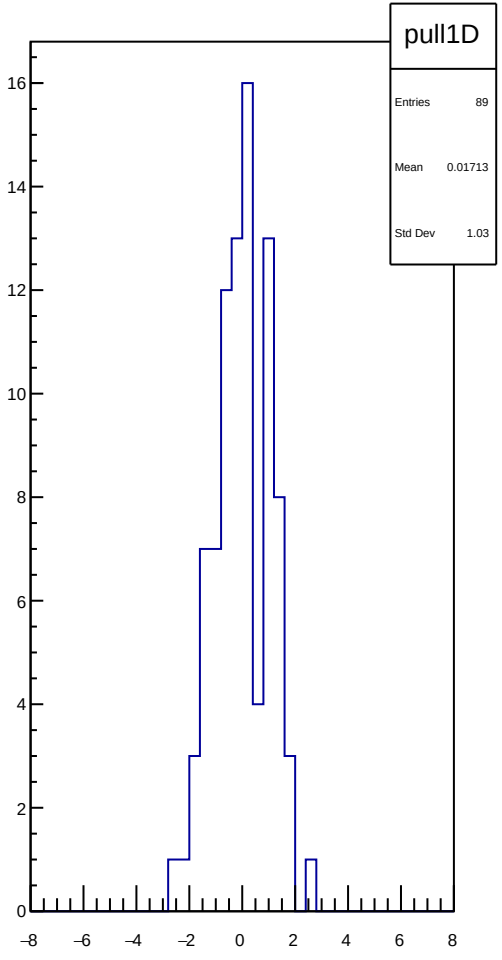

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2.632e+04 / 88
p0 935.6 ± 0.7195
1200
1100
1000
900
800
700

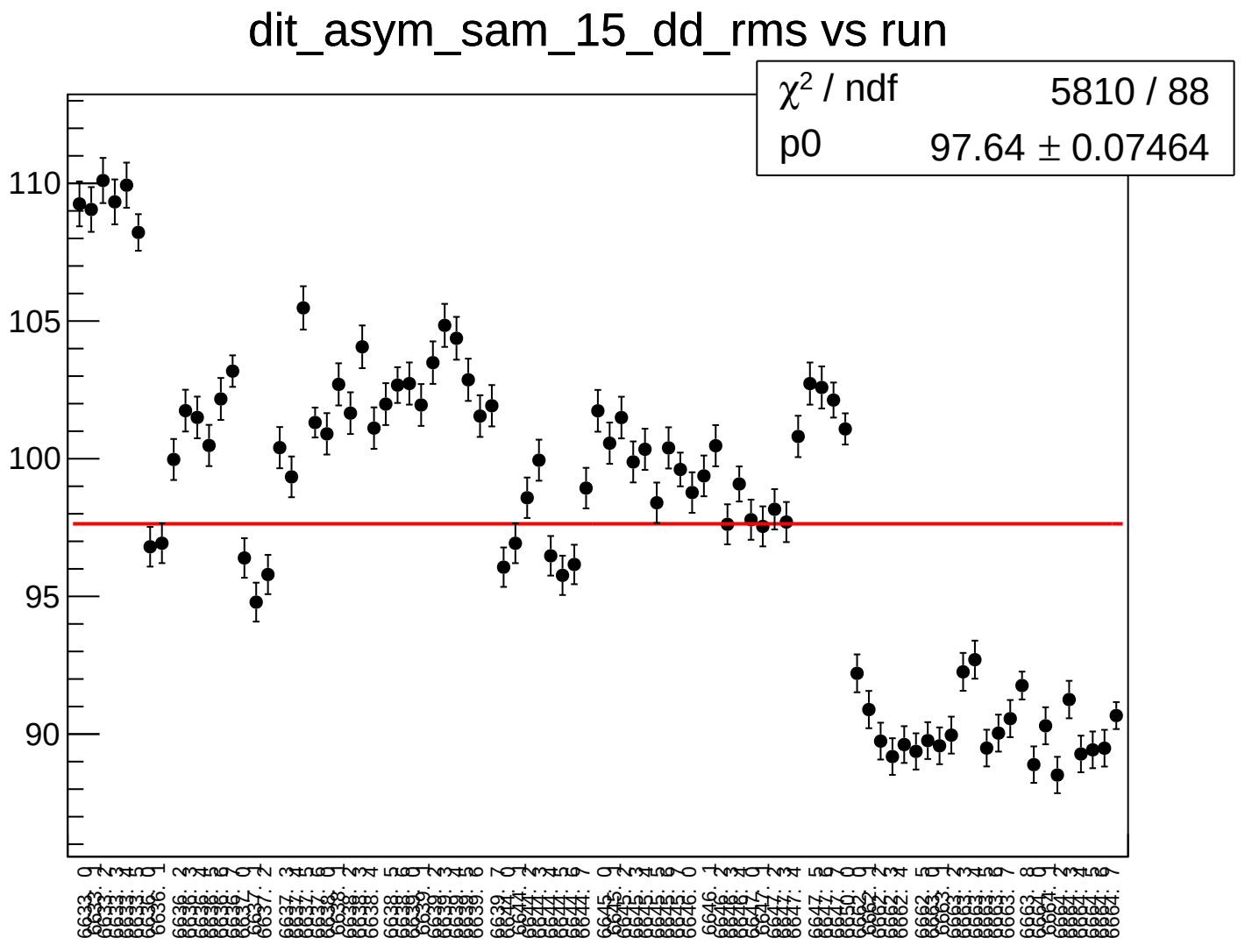

asym_sam_48_avg_mean vs run
χ² / ndf 86.16 / 88
p0 1275 ± 1018
pull
Entries 89
Mean −124.6
Std Dev 161.3

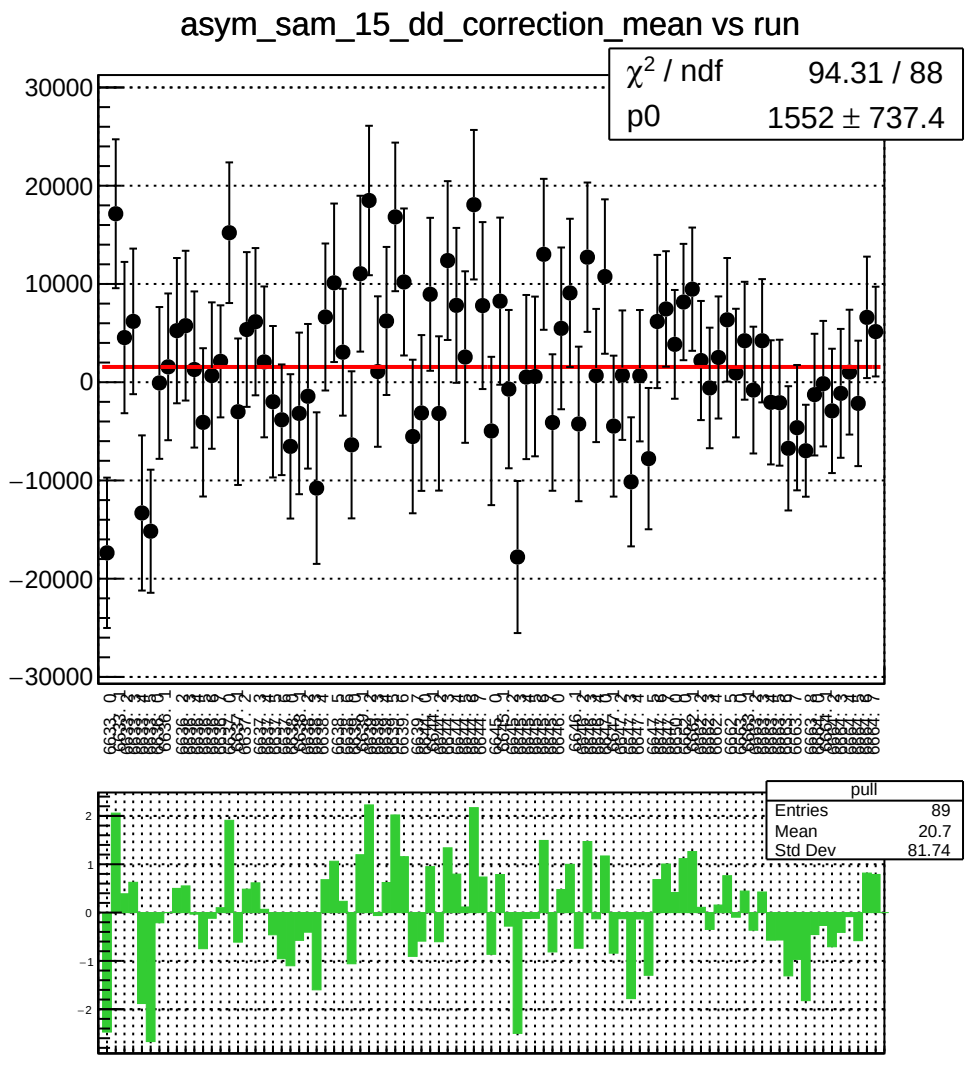

pull1D
Entries 89
Mean 0.01887
Std Dev 0.9838

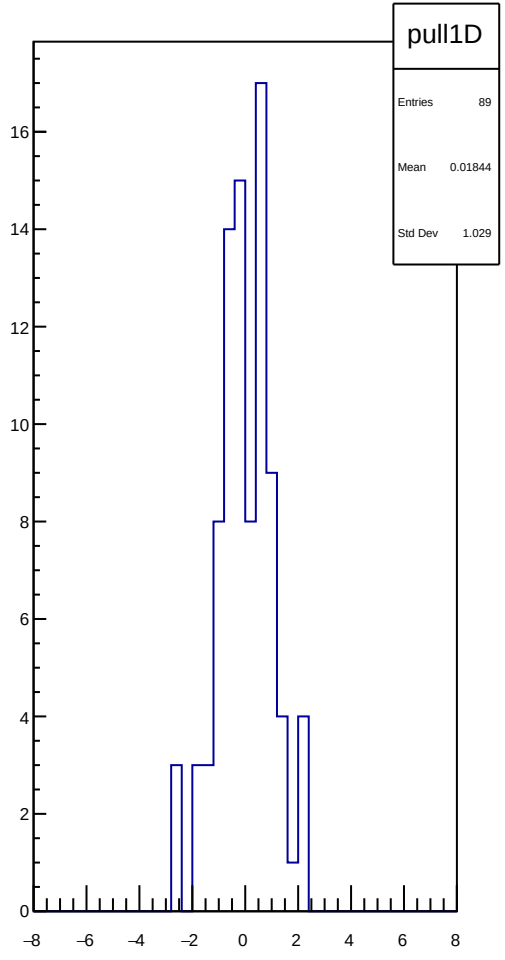

asym_sam_48_avg_rms vs run
χ² / ndf 3.506e+04 / 88
p0 933.5 ± 0.7198
1300
1200
1100
1000
900
800
700

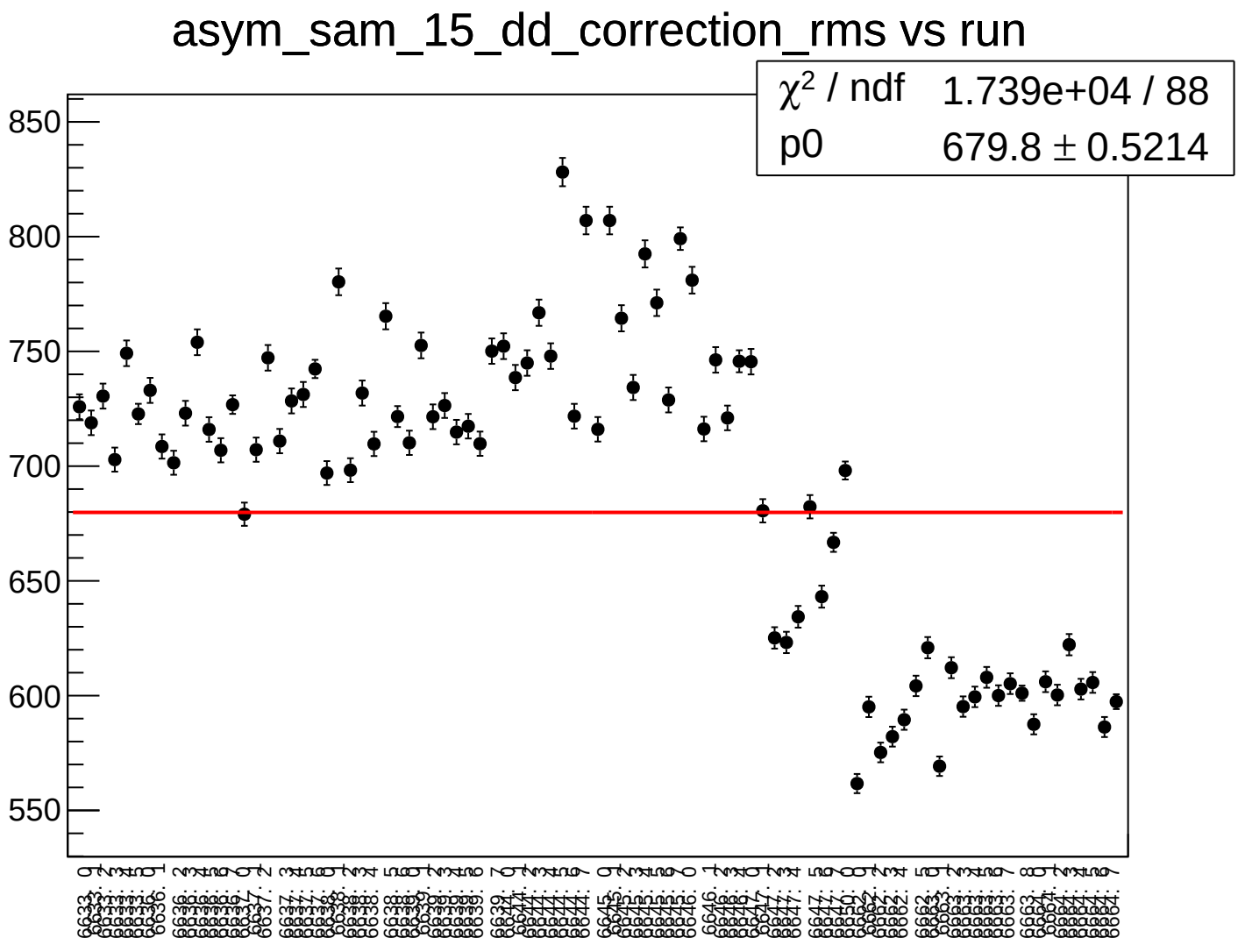

dit_asym_sam_15_dd_mean vs run
χ² / ndf 94.52 / 88
p0 173.4 ± 105.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 89
Mean −59.58
Std Dev 98.13
3
2
1
0
−1
−2

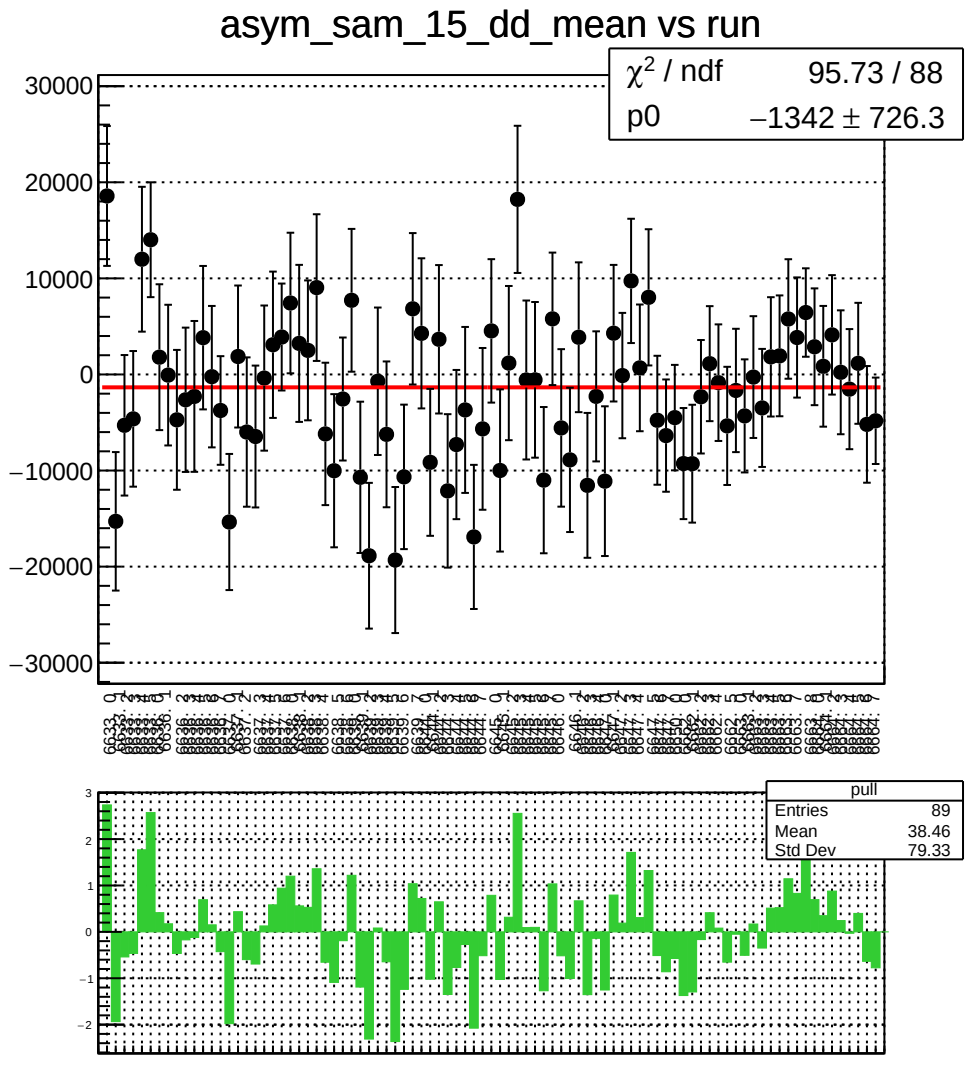

pull1D
Entries 89
Mean 0.01713
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

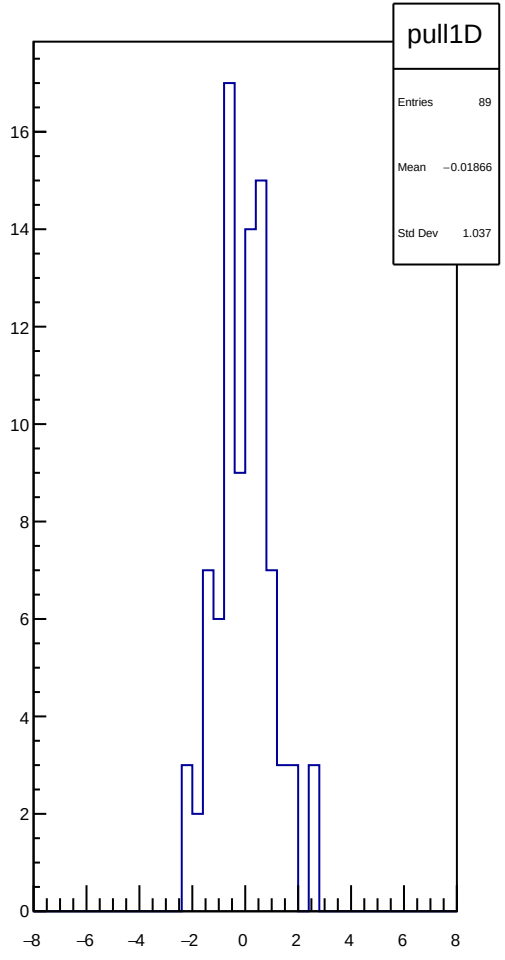

dit_asym_sam_15_dd_rms vs run
χ² / ndf 5810 / 88
p0 97.64 ± 0.07464
110
105
100
95
90

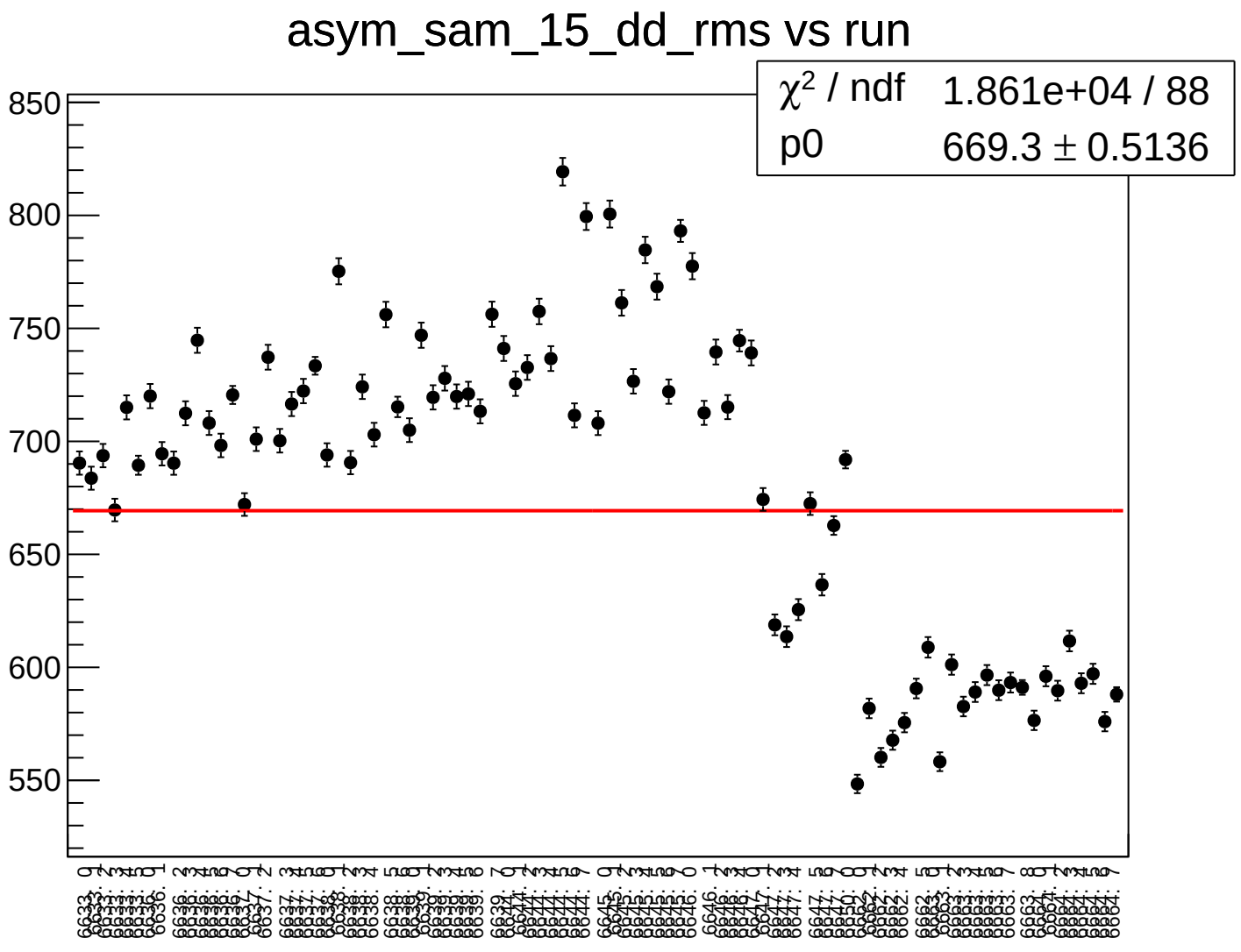

asym_sam_15_dd_correction_mean vs run
χ² / ndf 94.31 / 88
p0 1552 ± 737.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 20.7
Std Dev 81.74
2
1
0
−1
−2

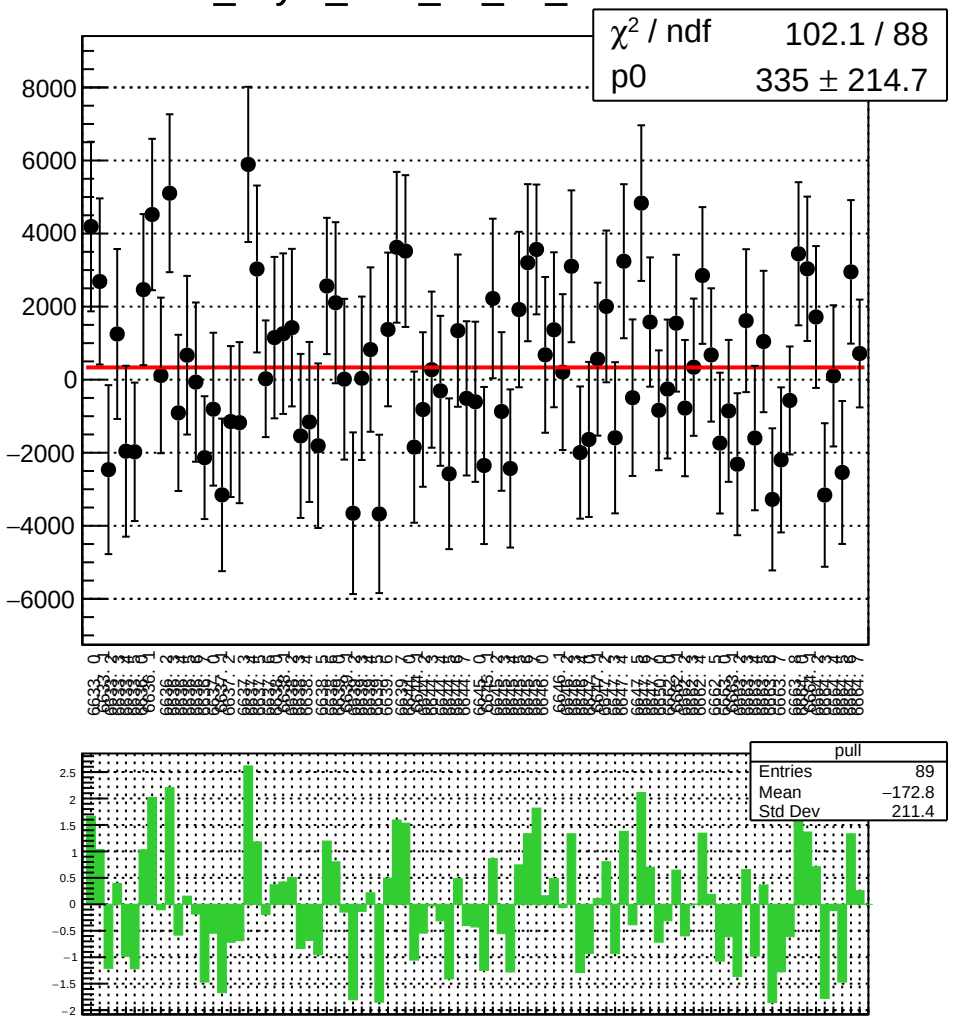

pull1D
Entries 89
Mean 0.01844
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

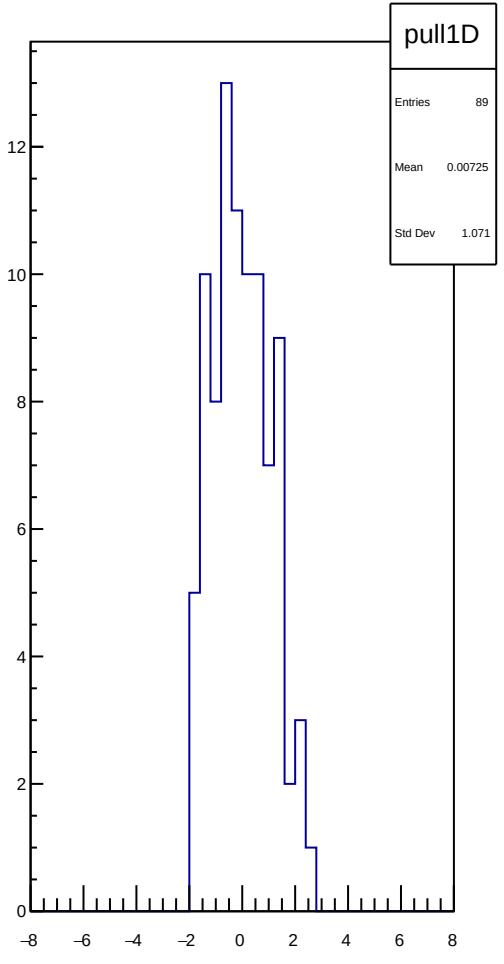

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.739e+04 / 88
p0 679.8 ± 0.5214
850
800
750
700
650
600
550

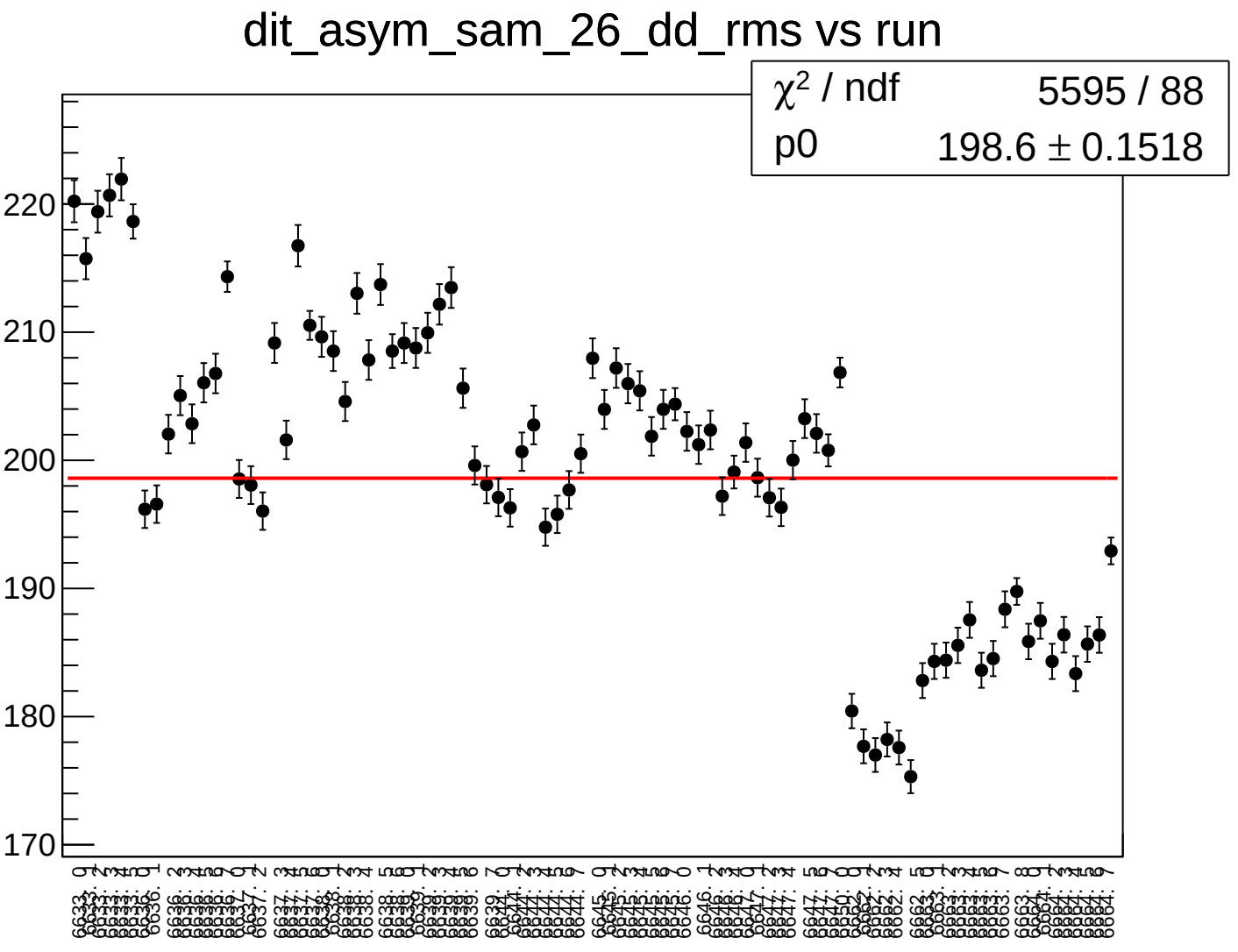

asym_sam_15_dd_mean vs run
χ² / ndf 95.73 / 88
p0 −1342 ± 726.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 38.46
Std Dev 79.33
3
2
1
0
−1
−2

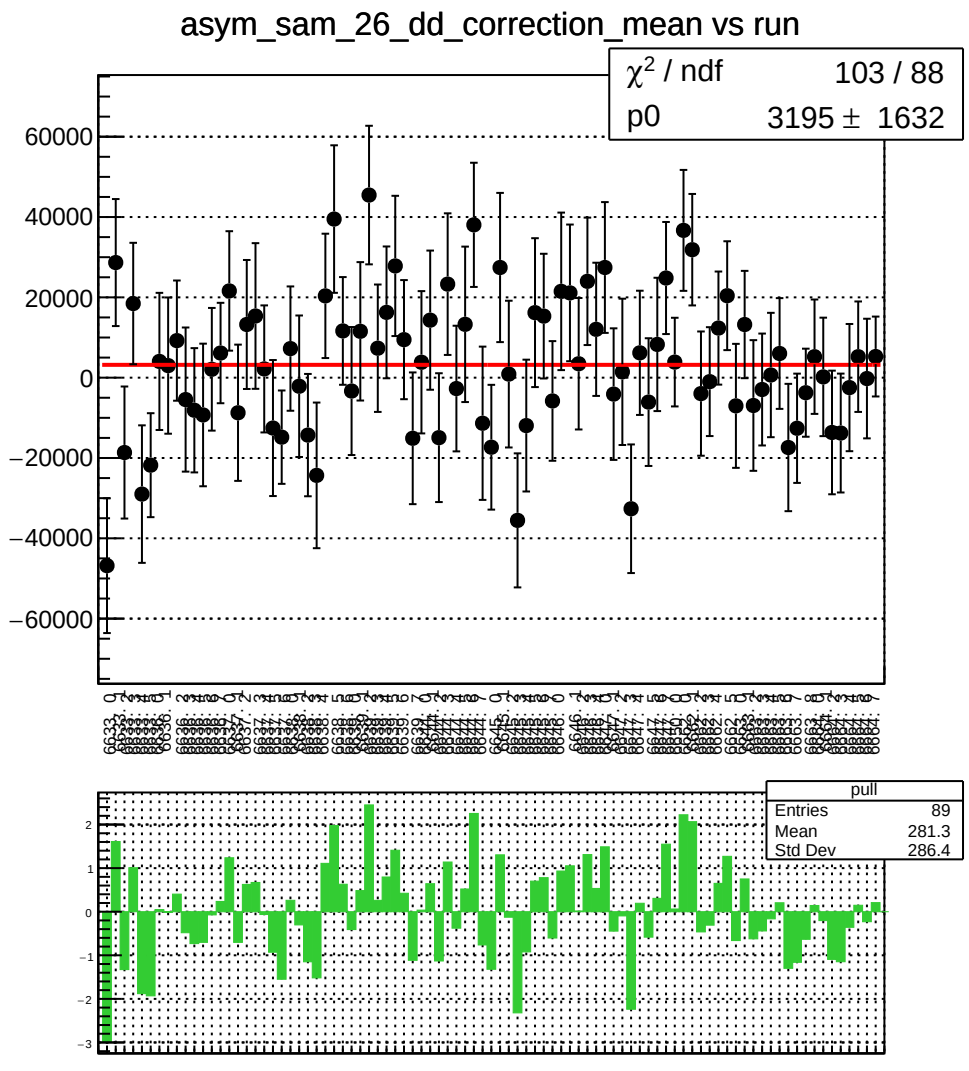

pull1D
Entries 89
Mean −0.01866
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

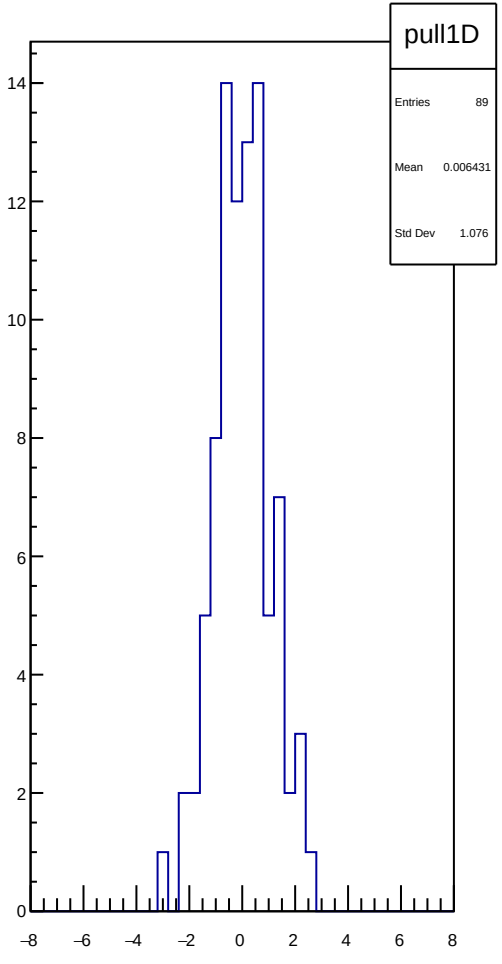

asym_sam_15_dd_rms vs run
χ² / ndf 1.861e+04 / 88
p0 669.3 ± 0.5136
850
800
750
700
650
600
550

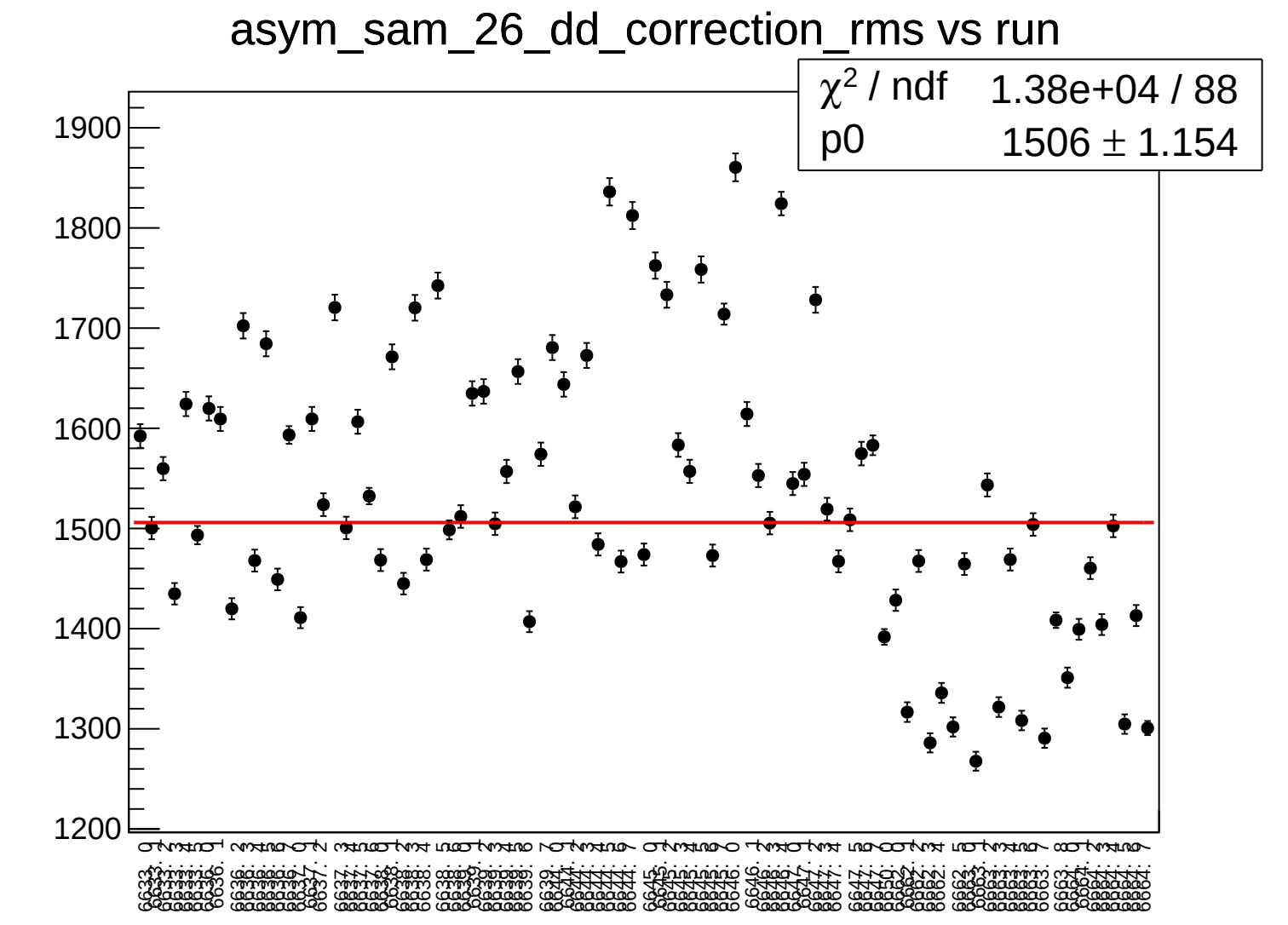

dit_asym_sam_26_dd_mean vs run
χ² / ndf 102.1 / 88
p0 335 ± 214.7
pull
Entries 89
Mean −172.8
Std Dev 211.4

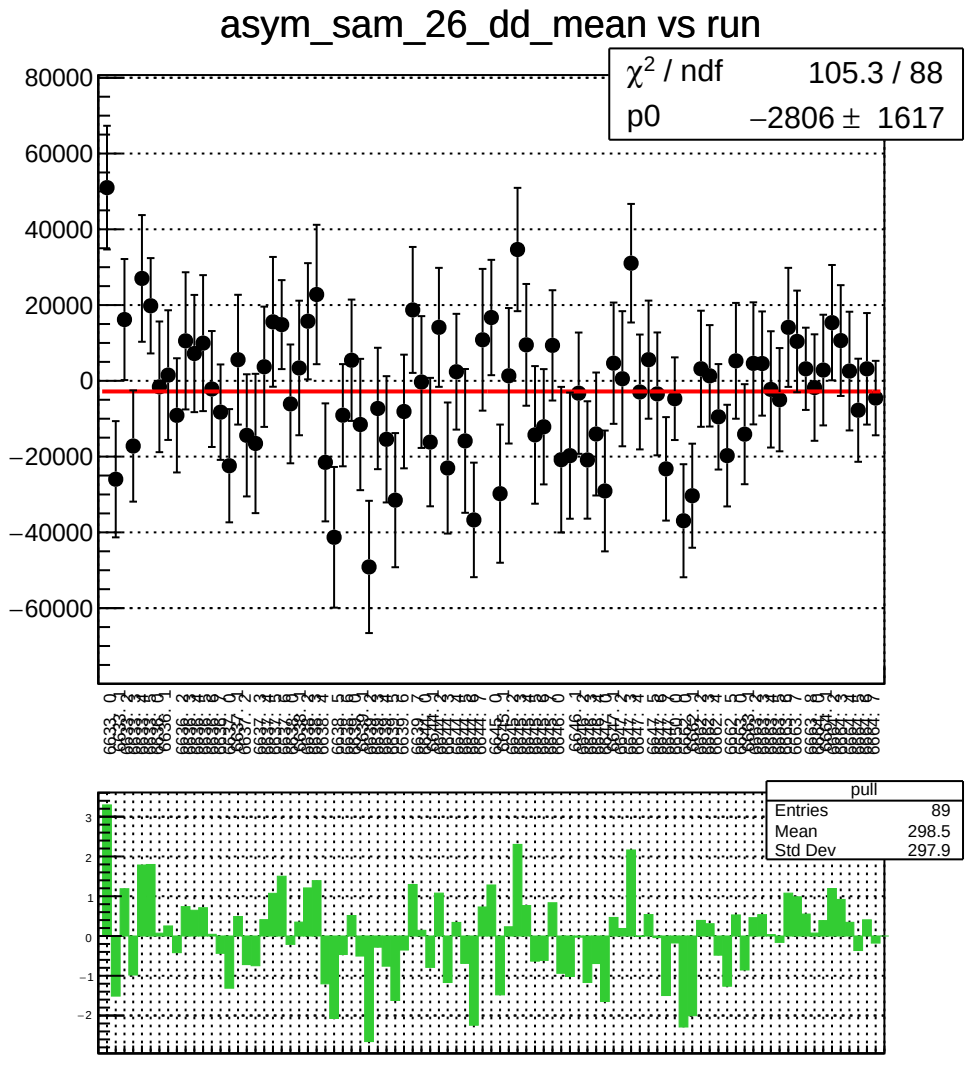

pull1D
Entries 89
Mean 0.00725
Std Dev 1.071

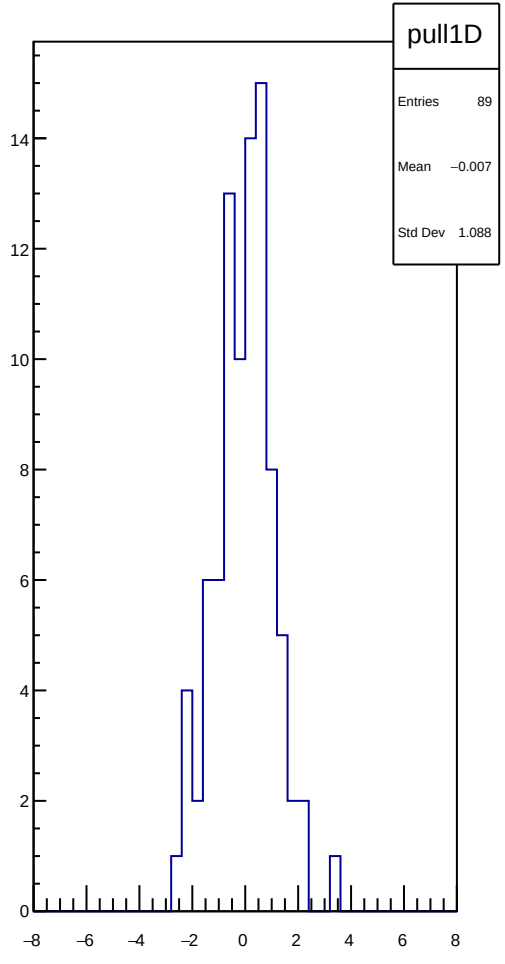

dit_asym_sam_26_dd_rms vs run
χ² / ndf 5595 / 88
p0 198.6 ± 0.1518
220
210
200
190
180
170

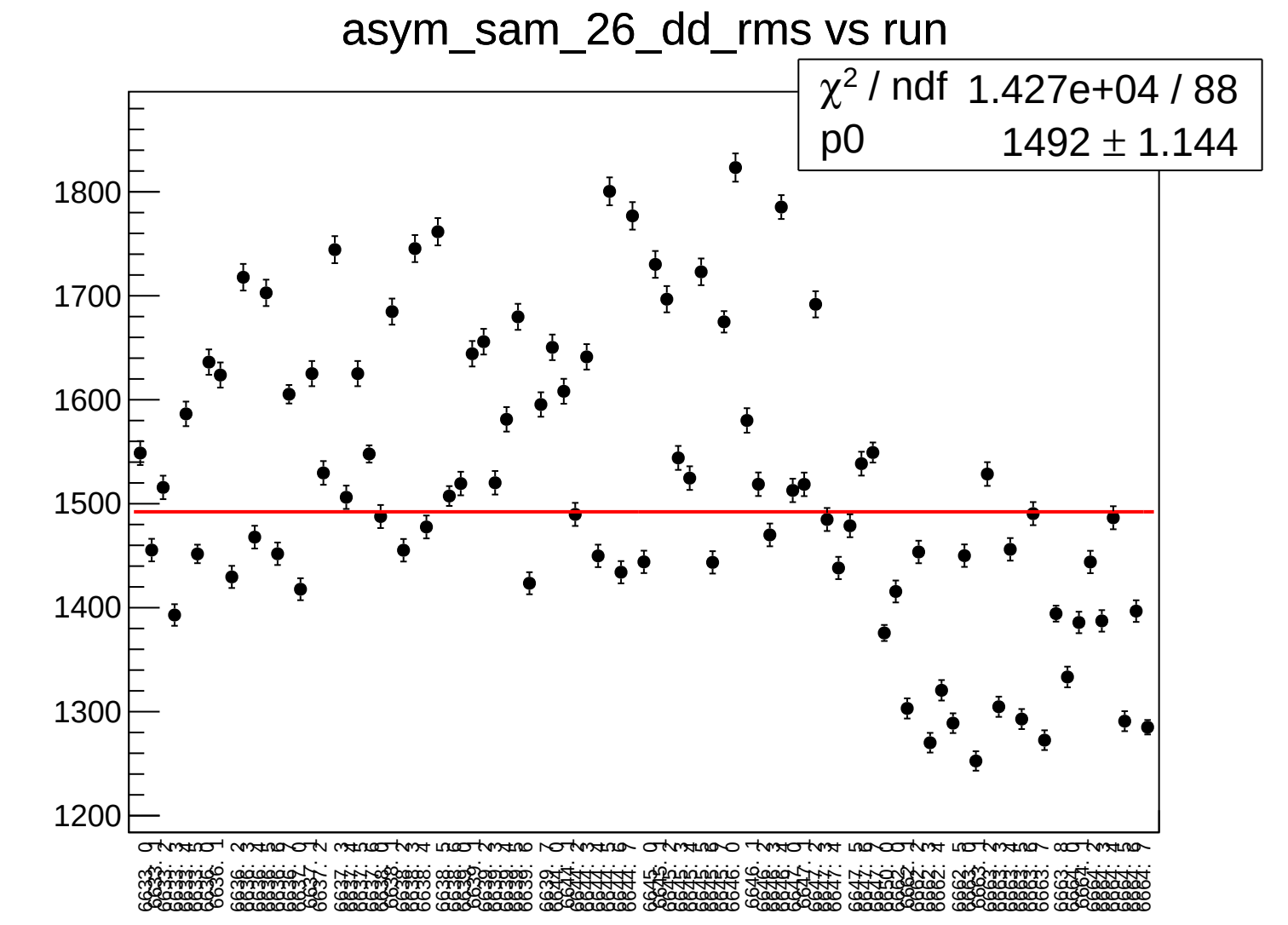

asym_sam_26_dd_correction_mean vs run
χ² / ndf 103 / 88
p0 3195 ± 1632
pull
Entries 89
Mean 281.3
Std Dev 286.4

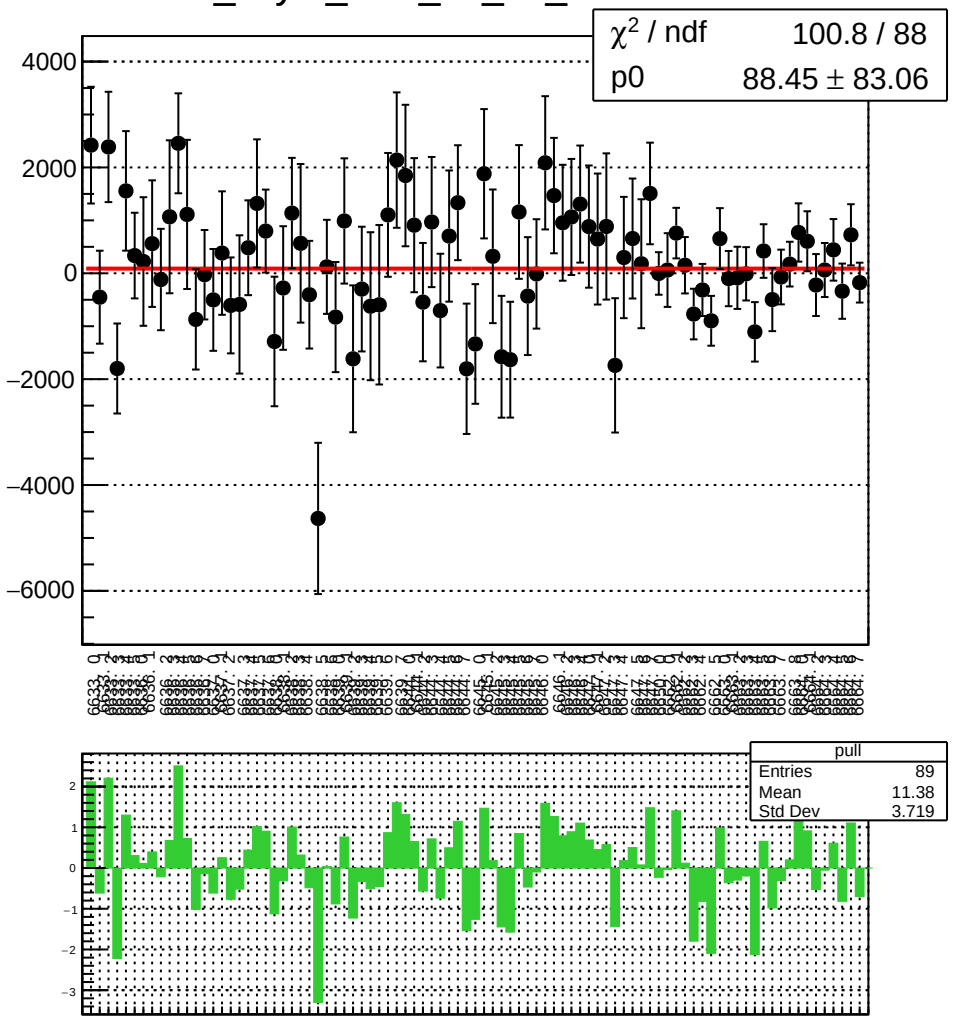

pull1D
Entries 89
Mean 0.006431
Std Dev 1.076

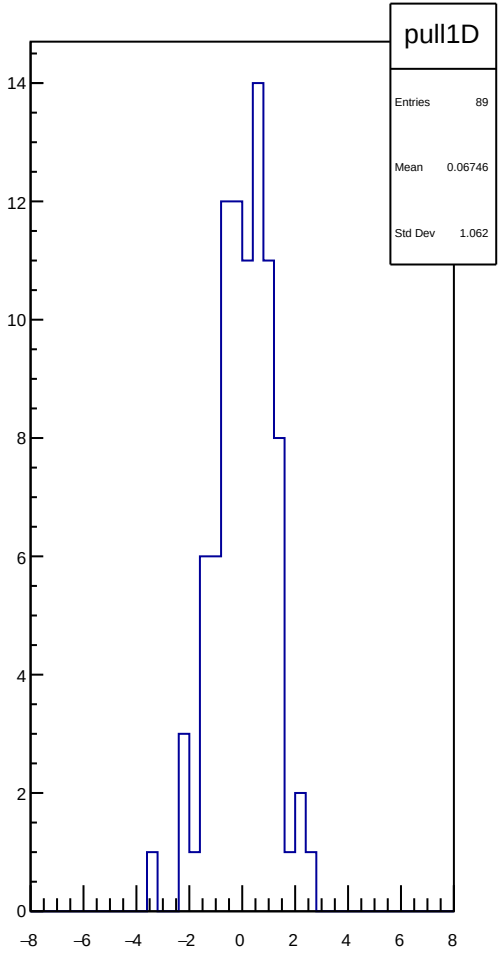

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.38e+04 / 88
p0 1506 ± 1.154
1900
1800
1700
1600
1500
1400
1300
1200

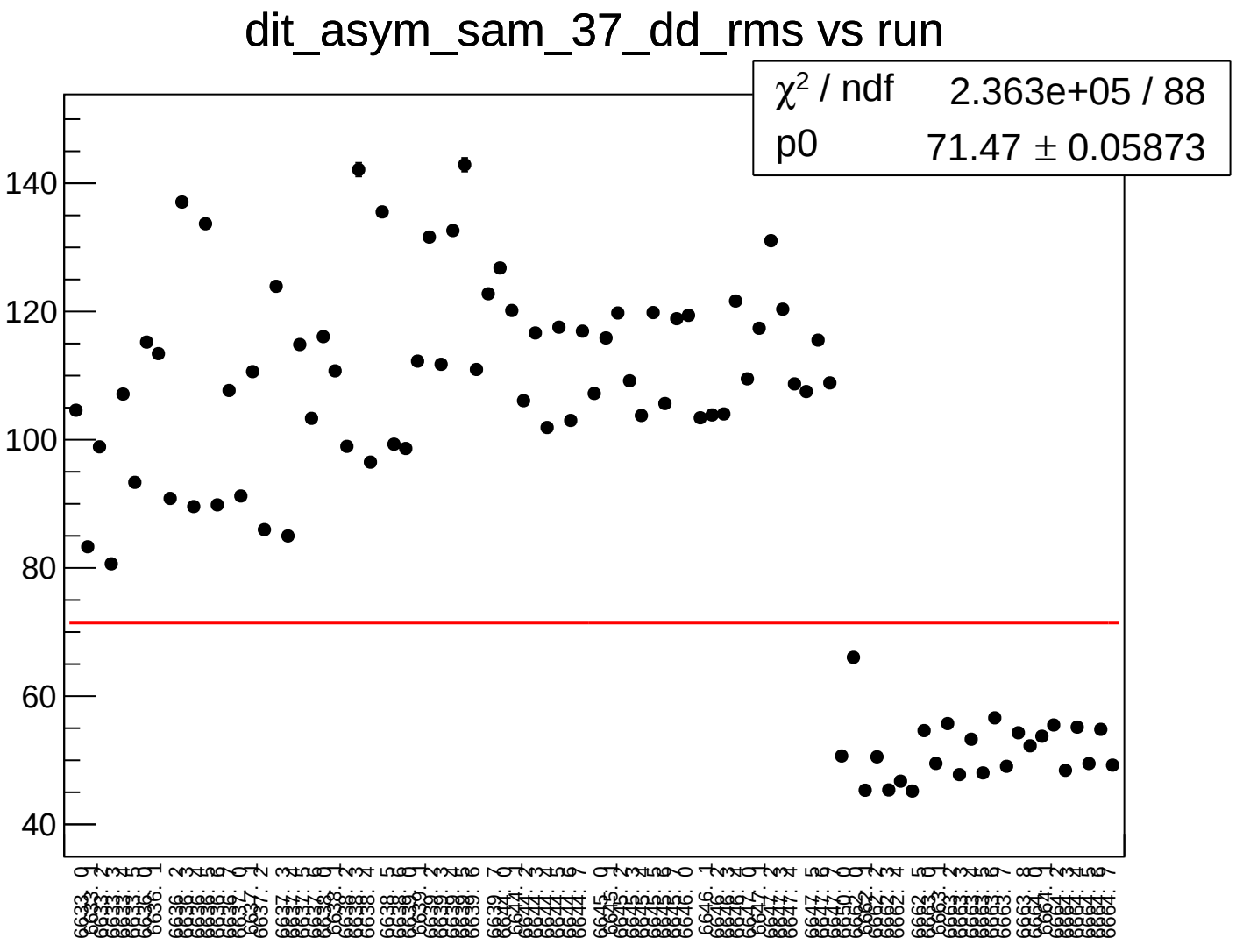

asym_sam_26_dd_mean vs run
χ² / ndf 105.3 / 88
p0 −2806 ± 1617
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 298.5
Std Dev 297.9
3
2
1
0
−1
−2

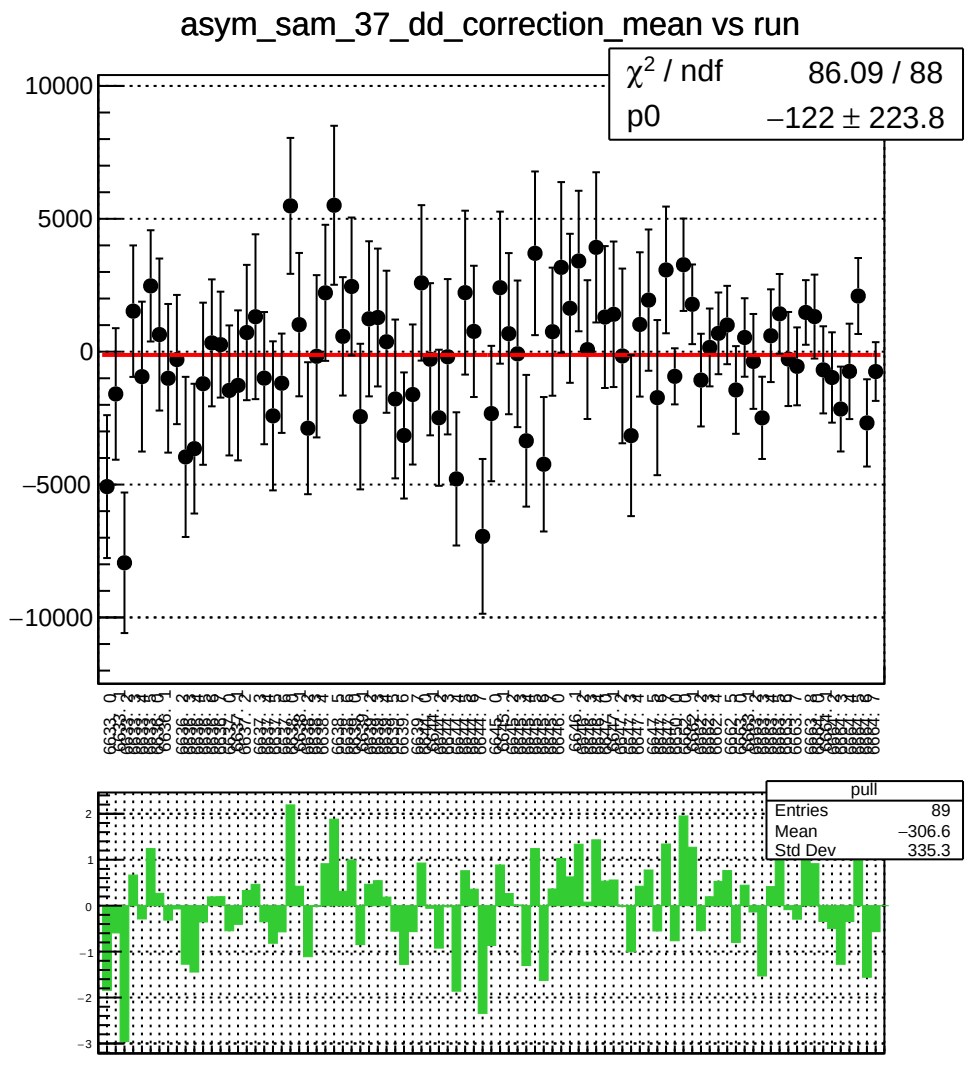

pull1D
Entries 89
Mean −0.007
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

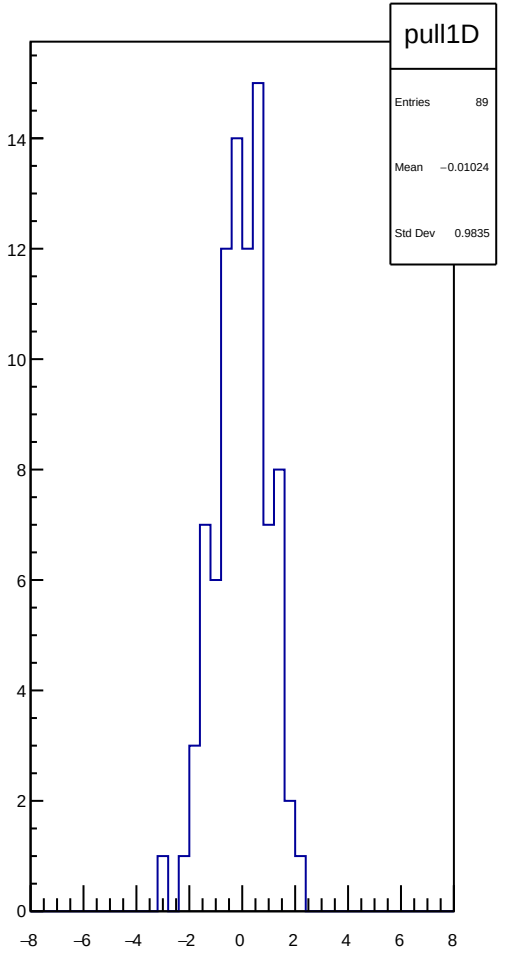

asym_sam_26_dd_rms vs run
χ² / ndf 1.427e+04 / 88
p0 1492 ± 1.144
1800
1700
1600
1500
1400
1300
1200

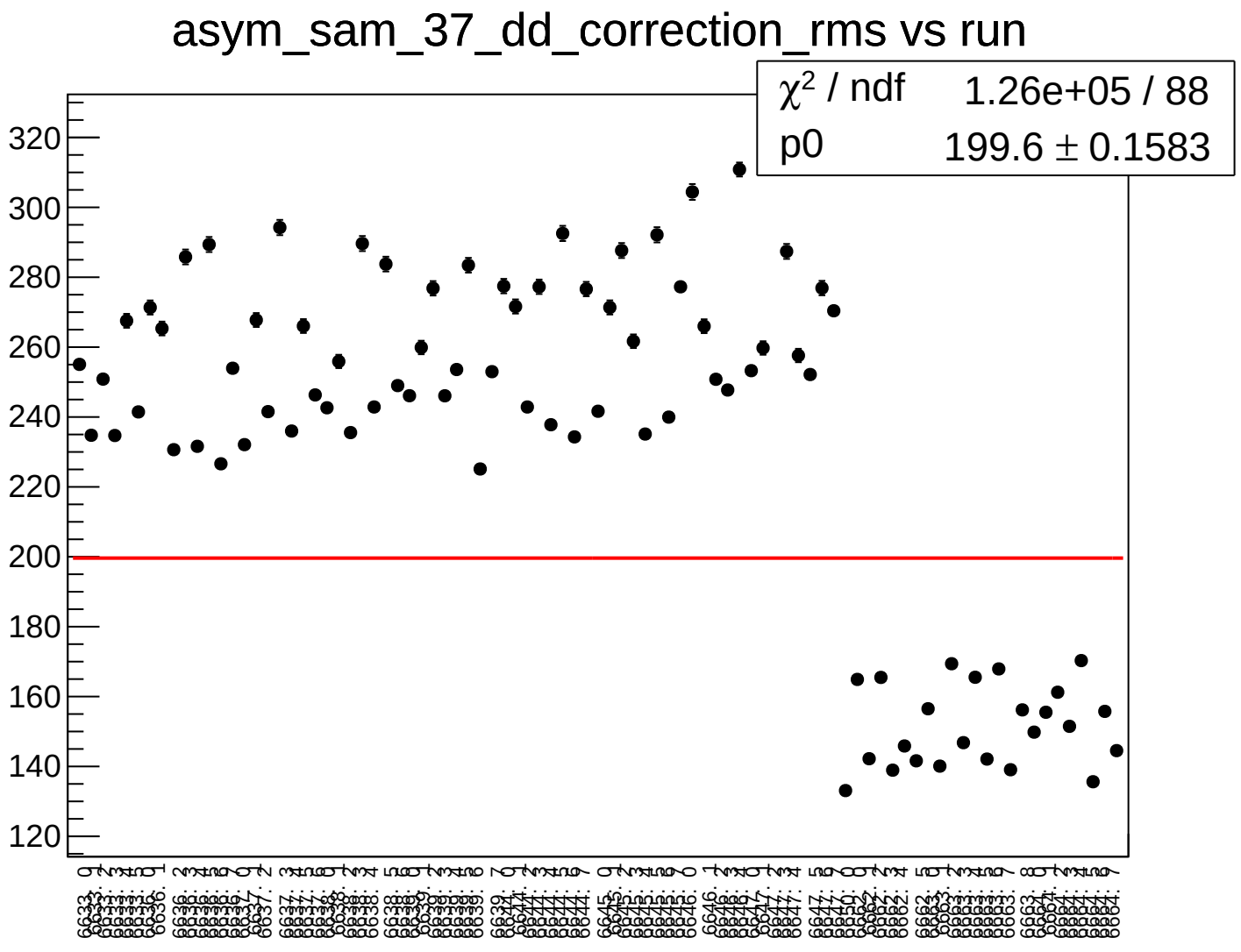

dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 100.8 / 88
p0 88.45 ± 83.06
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 11.38
Std Dev 3.719
2
1
0
−1
−2
−3

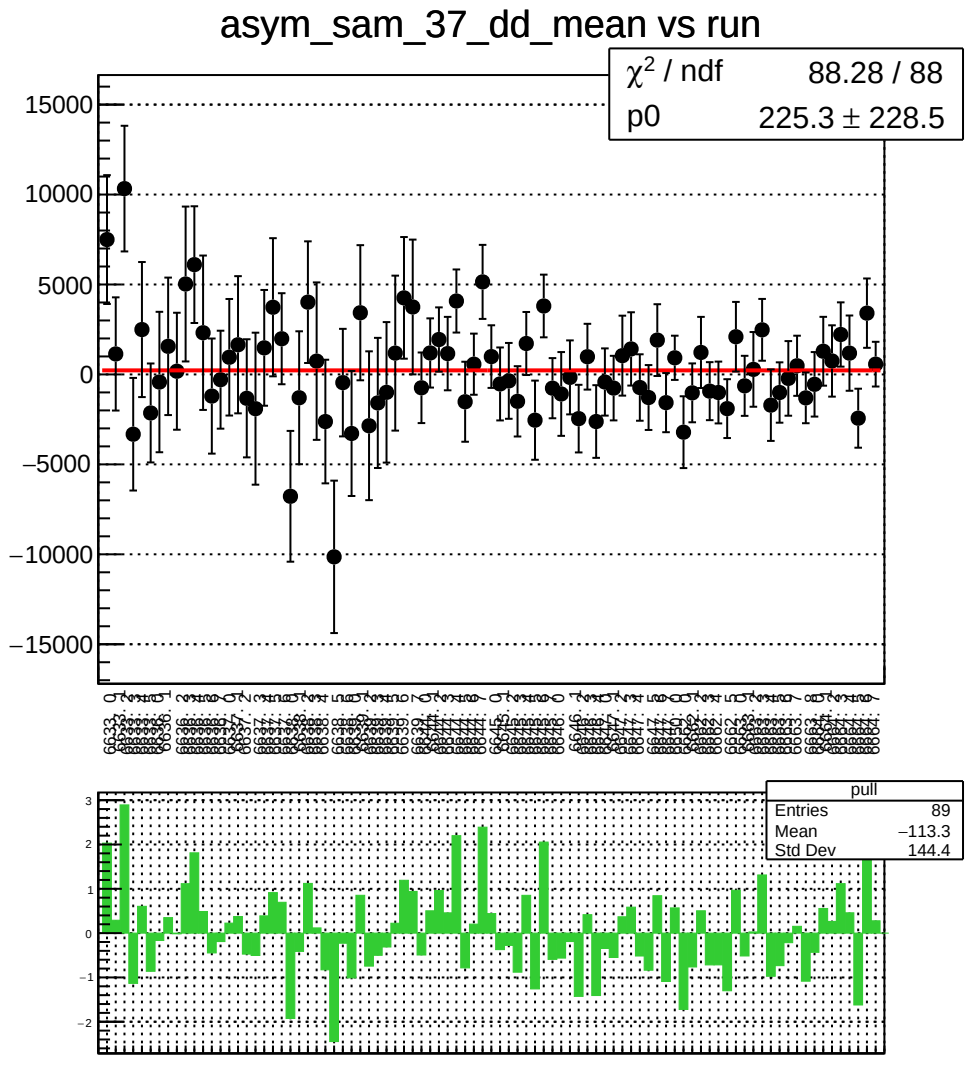

pull1D
Entries 89
Mean 0.06746
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

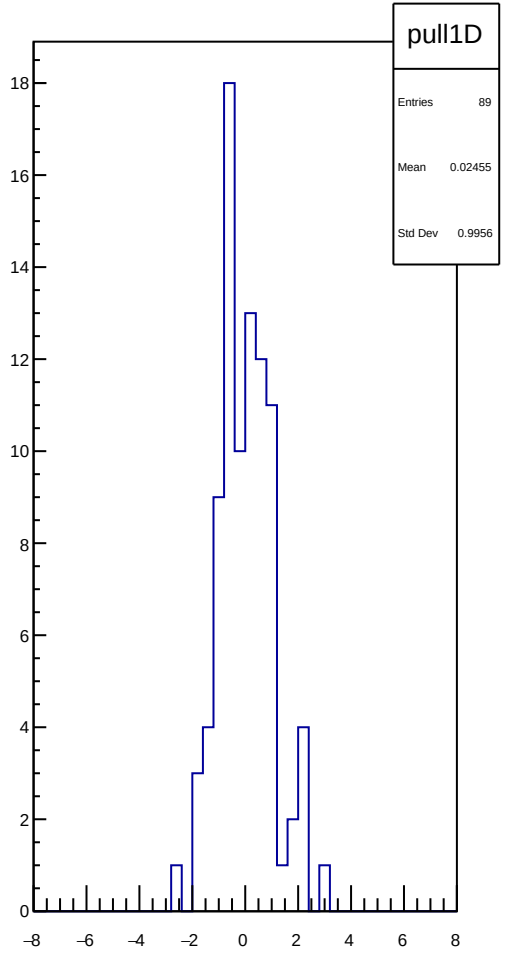

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 2.363e+05 / 88
p0 71.47 ± 0.05873
140
120
100
80
60
40

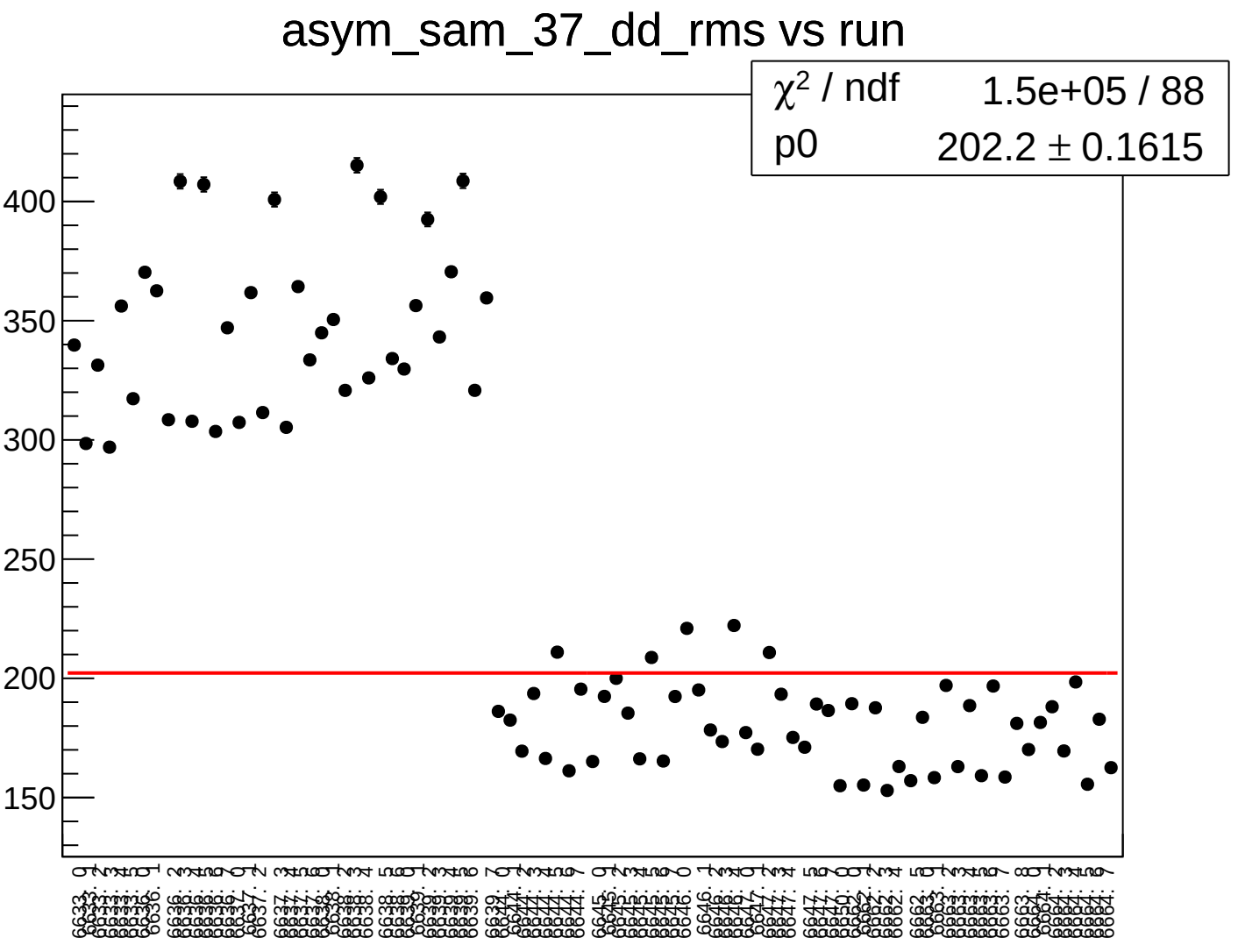

asym_sam_37_dd_correction_mean vs run
χ² / ndf 86.09 / 88
p0 −122 ± 223.8
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −306.6
Std Dev 335.3
2
1
0
−1
−2
−3

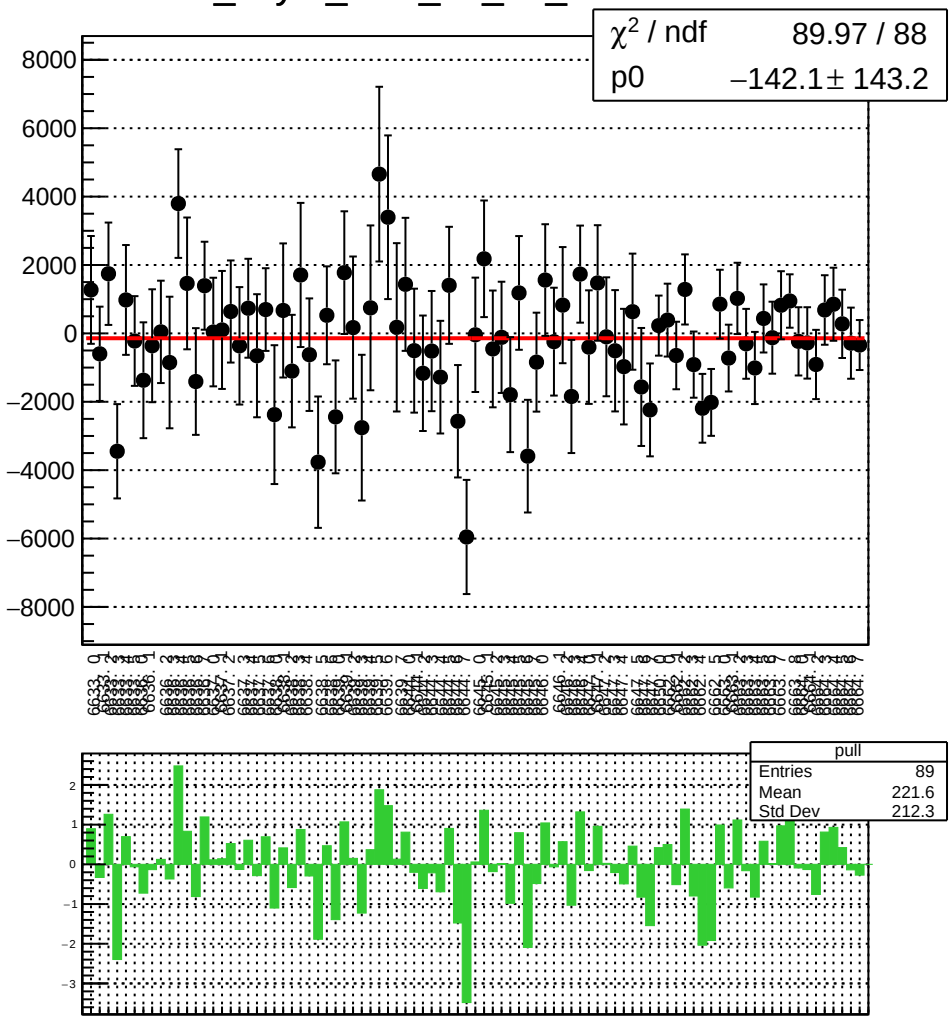

pull1D
Entries 89
Mean −0.01024
Std Dev 0.9835
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

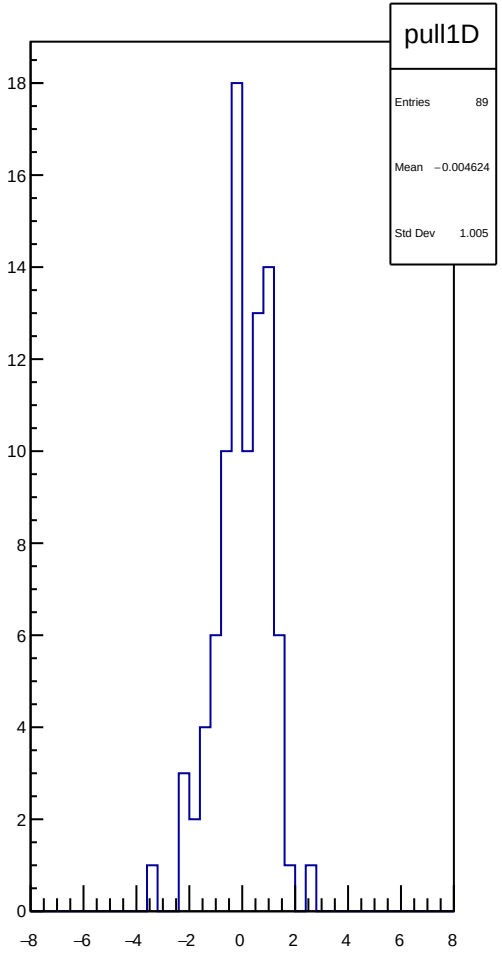

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.26e+05 / 88
p0 199.6 ± 0.1583
320
300
280
260
240
220
200
180
160
140
120

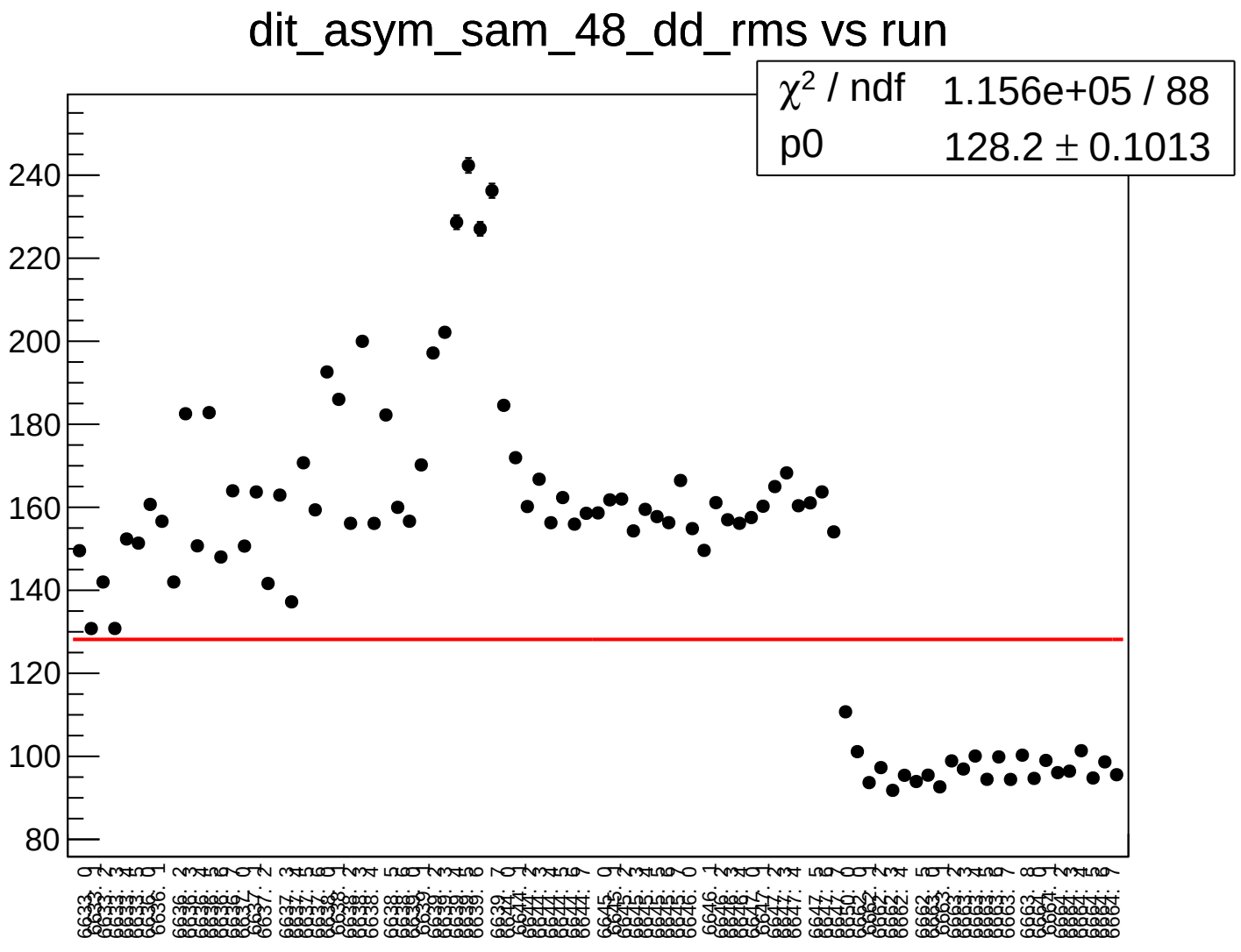

asym_sam_37_dd_mean vs run
χ² / ndf 88.28 / 88
p0 225.3 ± 228.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −113.3
Std Dev 144.4
3
2
1
0
−1
−2

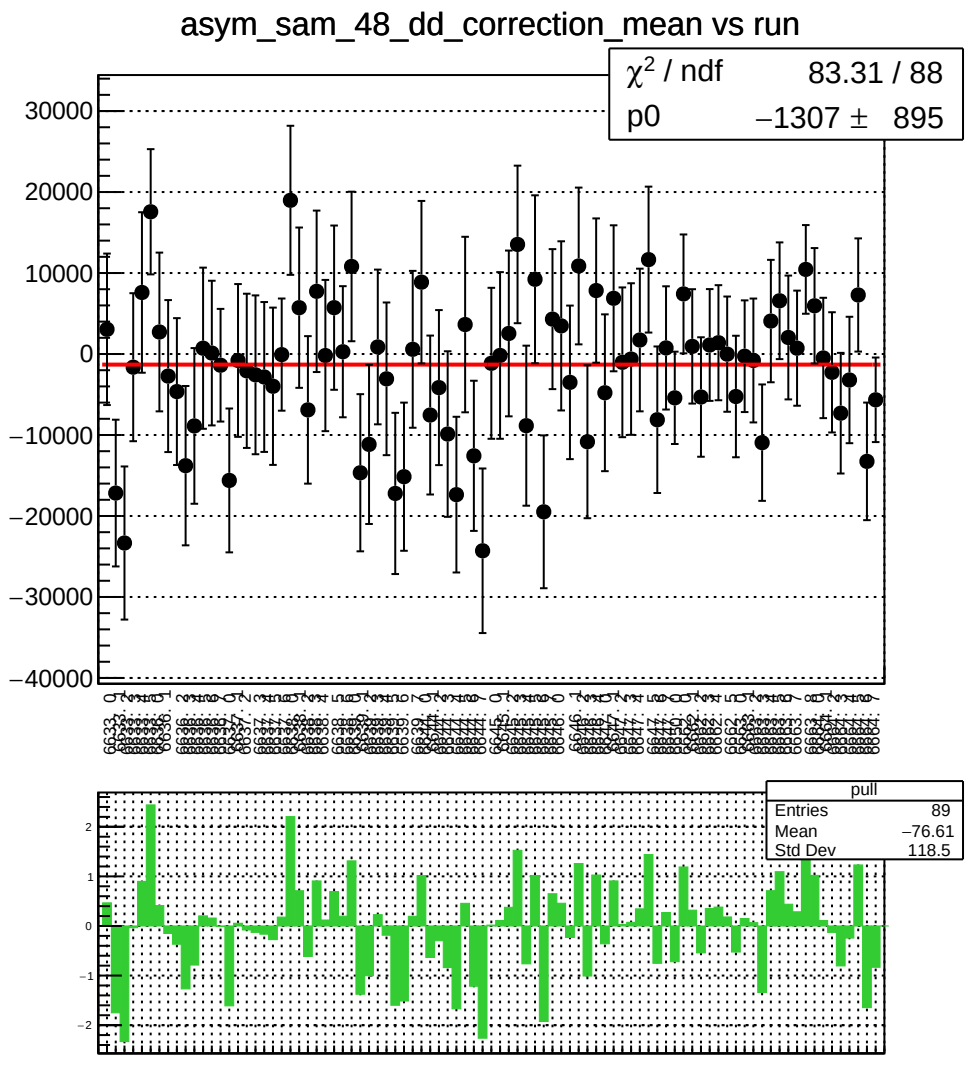

pull1D
Entries 89
Mean 0.02455
Std Dev 0.9956
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

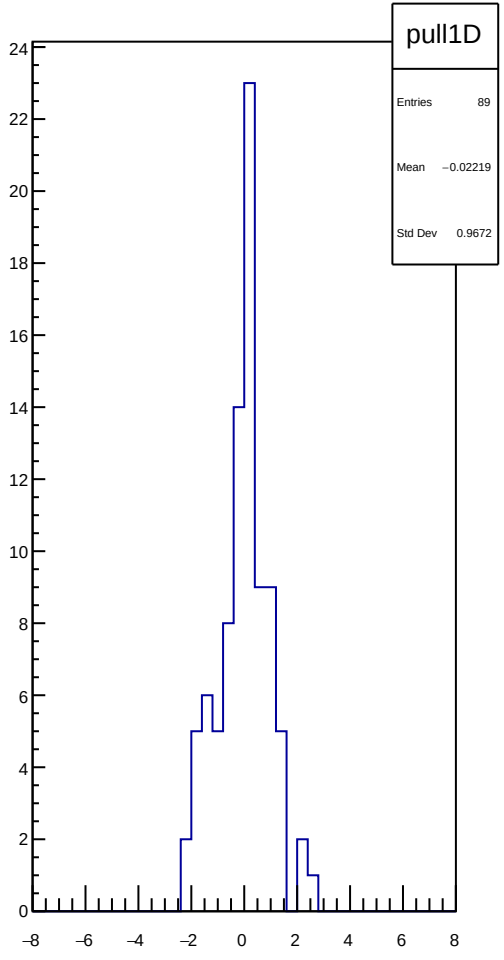

asym_sam_37_dd_rms vs run
χ² / ndf 1.5e+05 / 88
p0 202.2 ± 0.1615
400
350
300
250
200
150

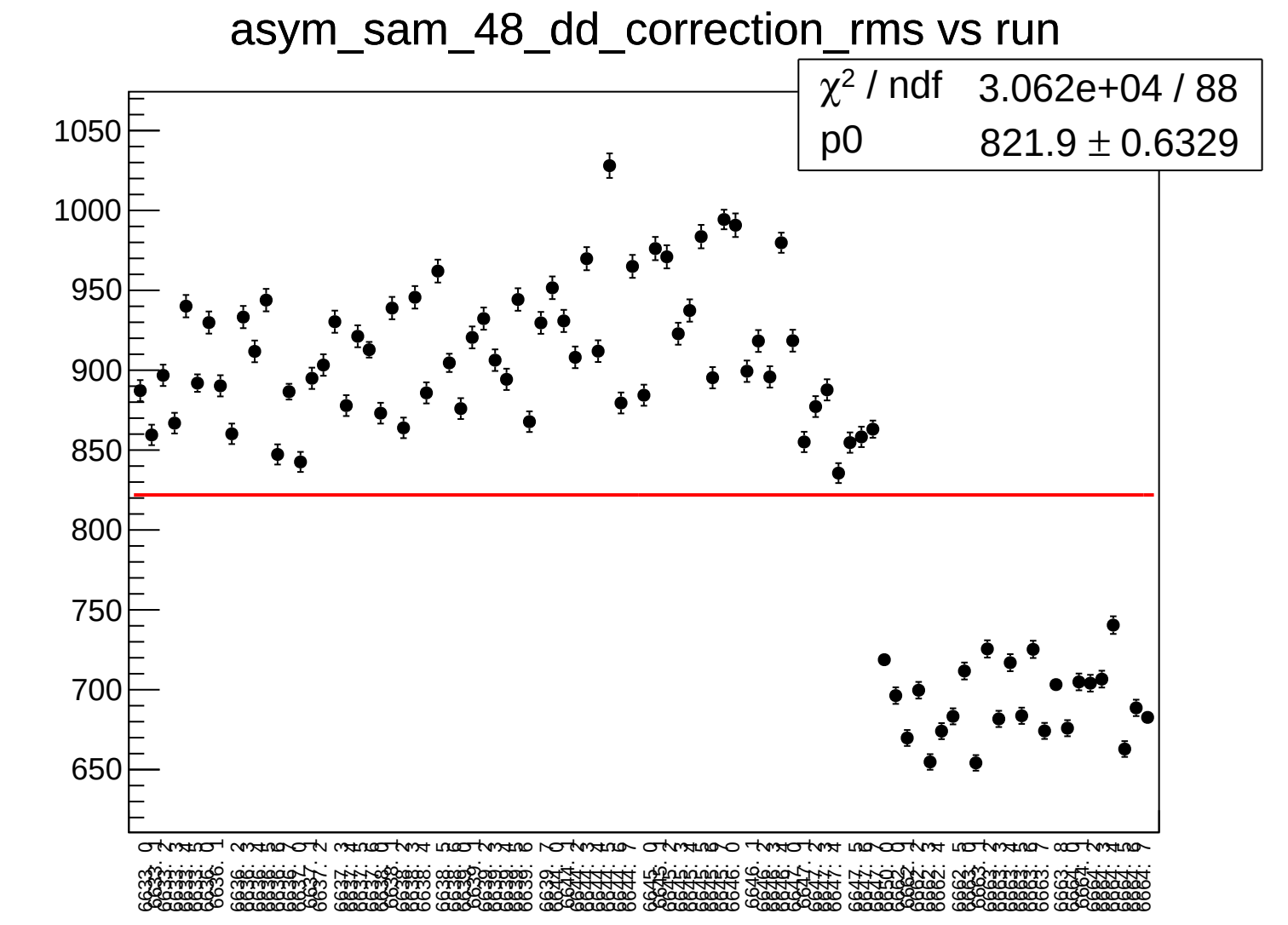

dit_asym_sam_48_dd_mean vs run
χ² / ndf 89.97 / 88
p0 −142.1± 143.2
pull
Entries 89
Mean 221.6
Std Dev 212.3

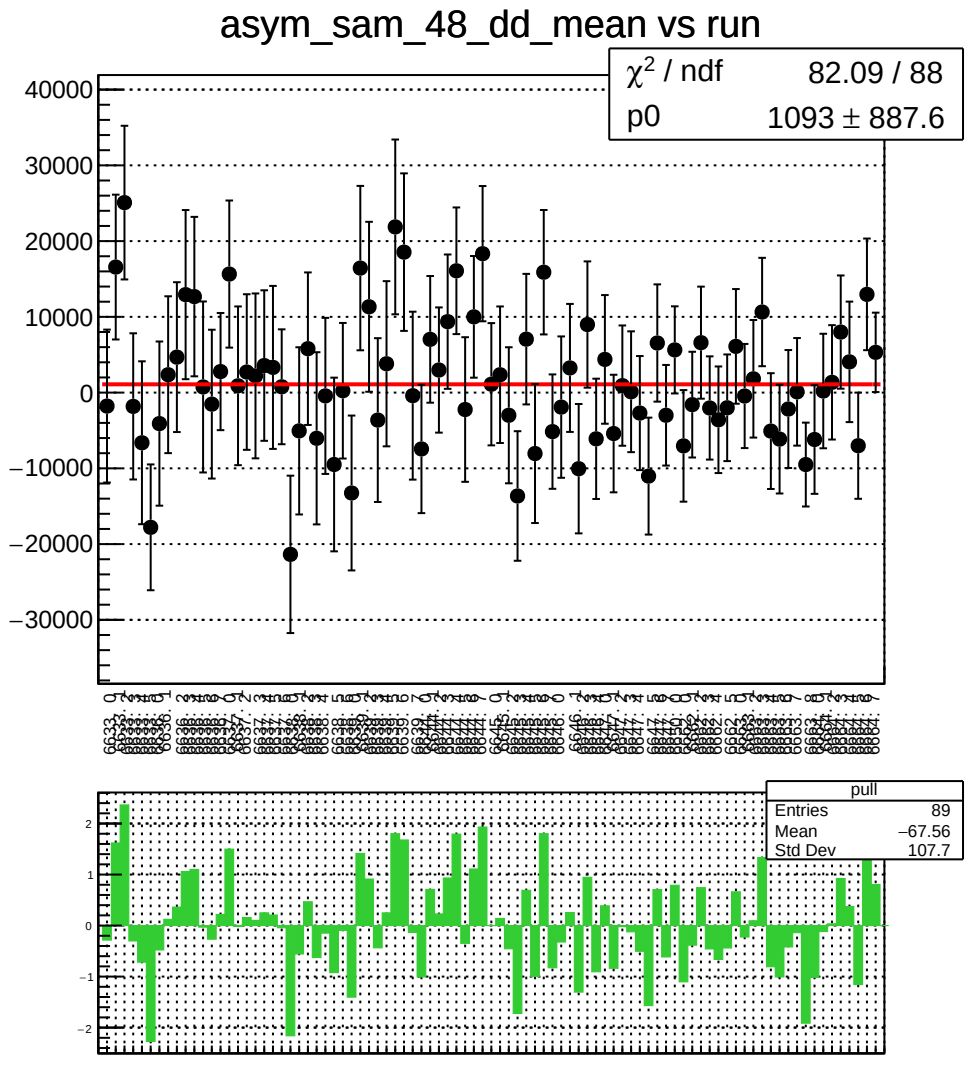

pull1D
Entries 89
Mean −0.004624
Std Dev 1.005

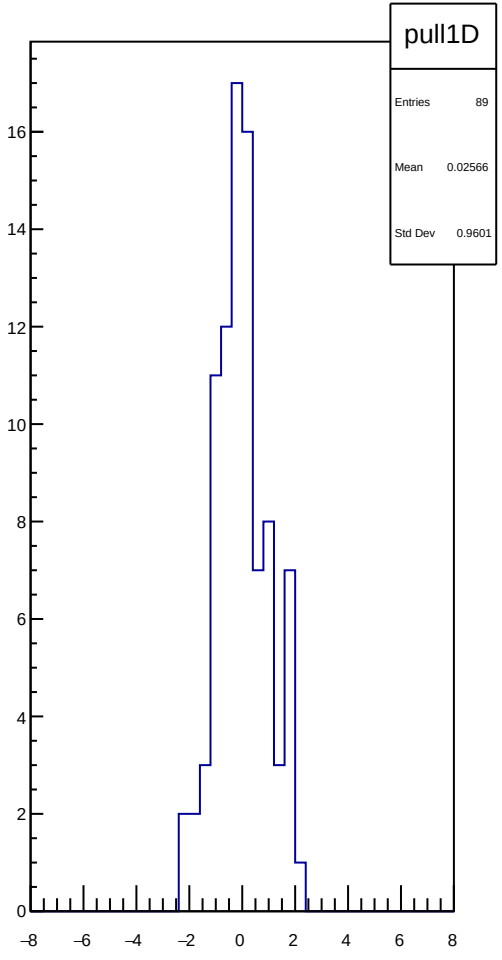

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.156e+05 / 88
p0 128.2 ± 0.1013
240
220
200
180
160
140
120
100
80

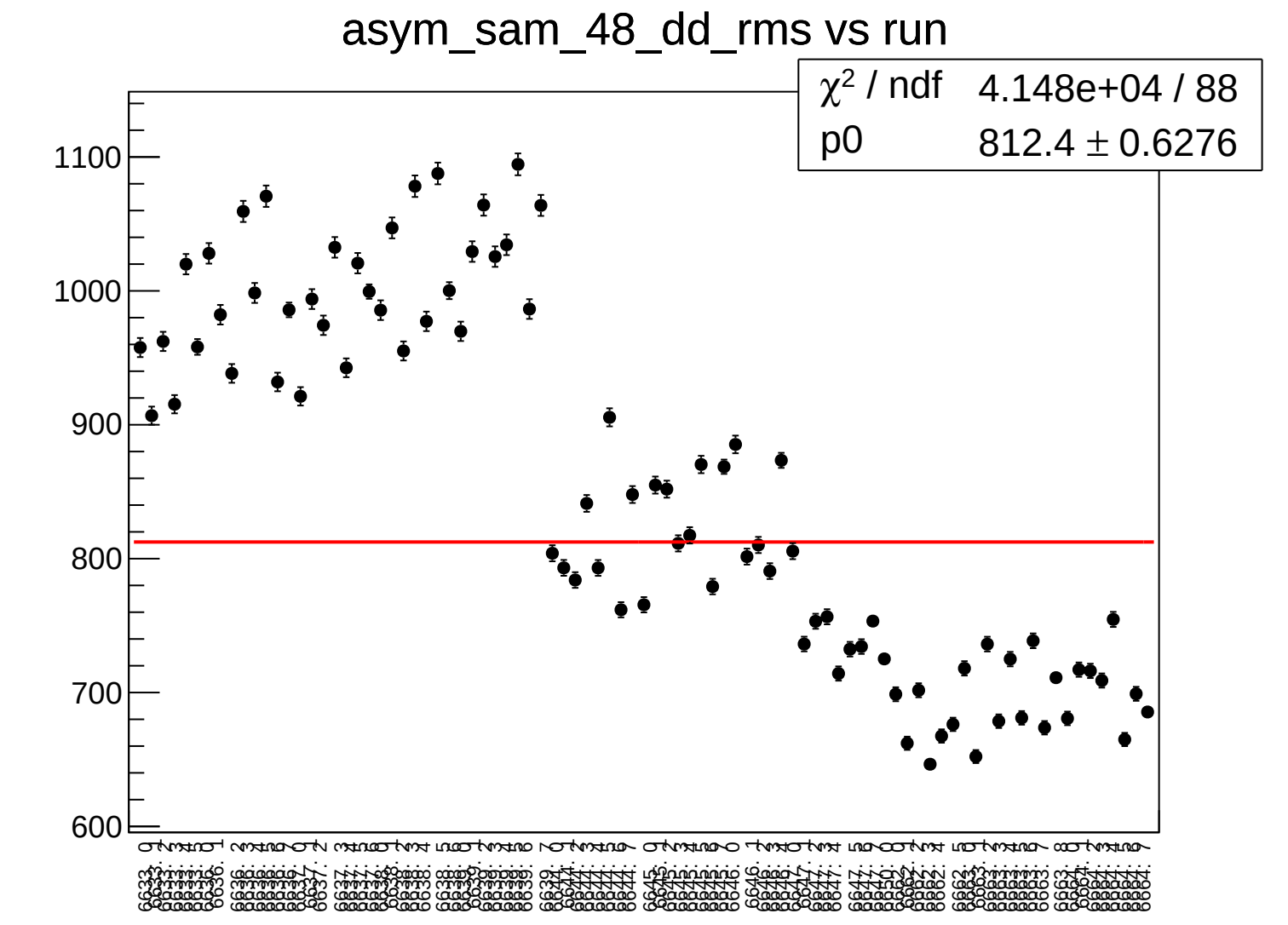

asym_sam_48_dd_correction_mean vs run
χ² / ndf 83.31 / 88
p0 −1307 ± 895
pull
Entries 89
Mean −76.61
Std Dev 118.5

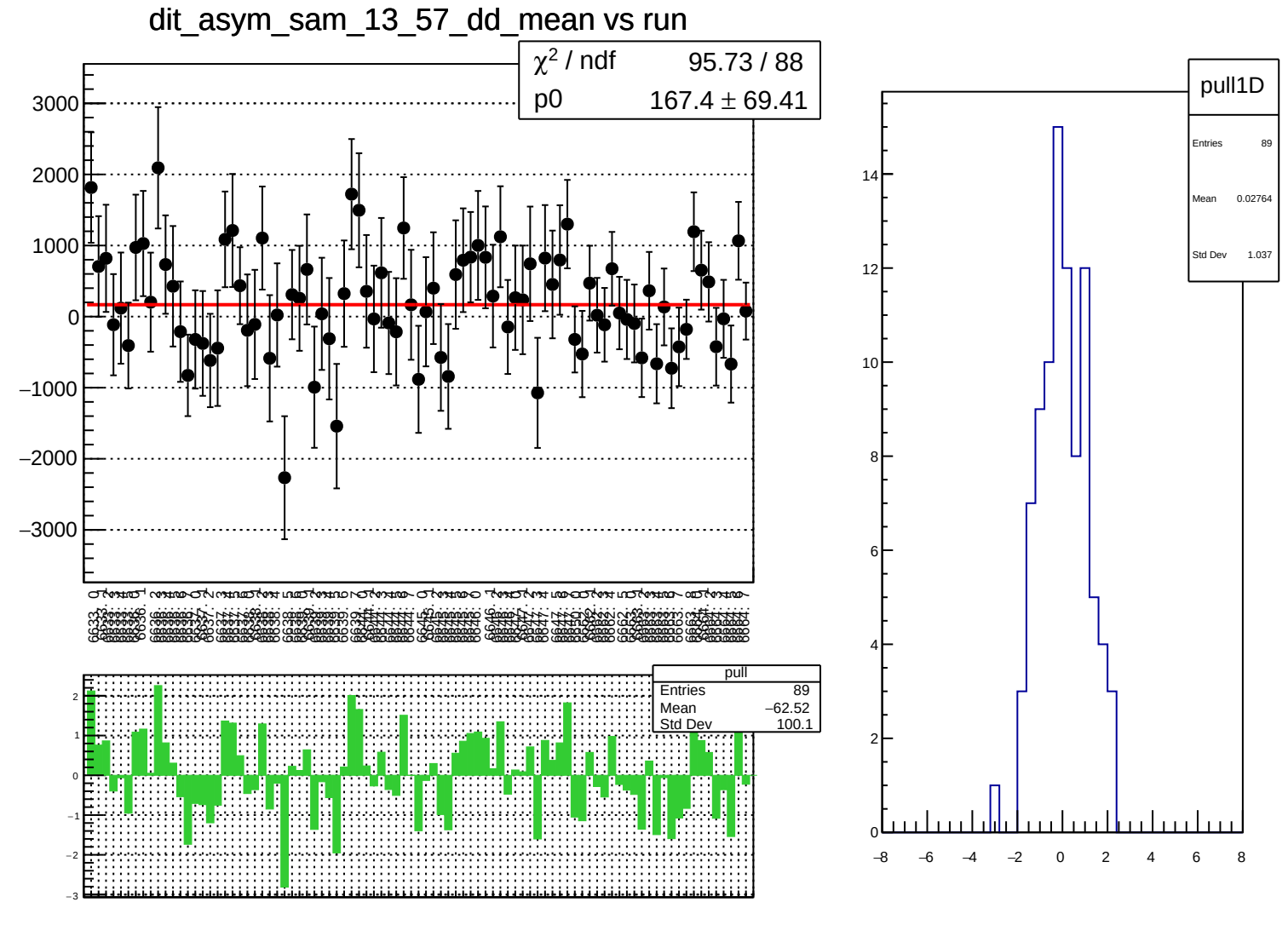

pull1D
Entries 89
Mean −0.02219
Std Dev 0.9672

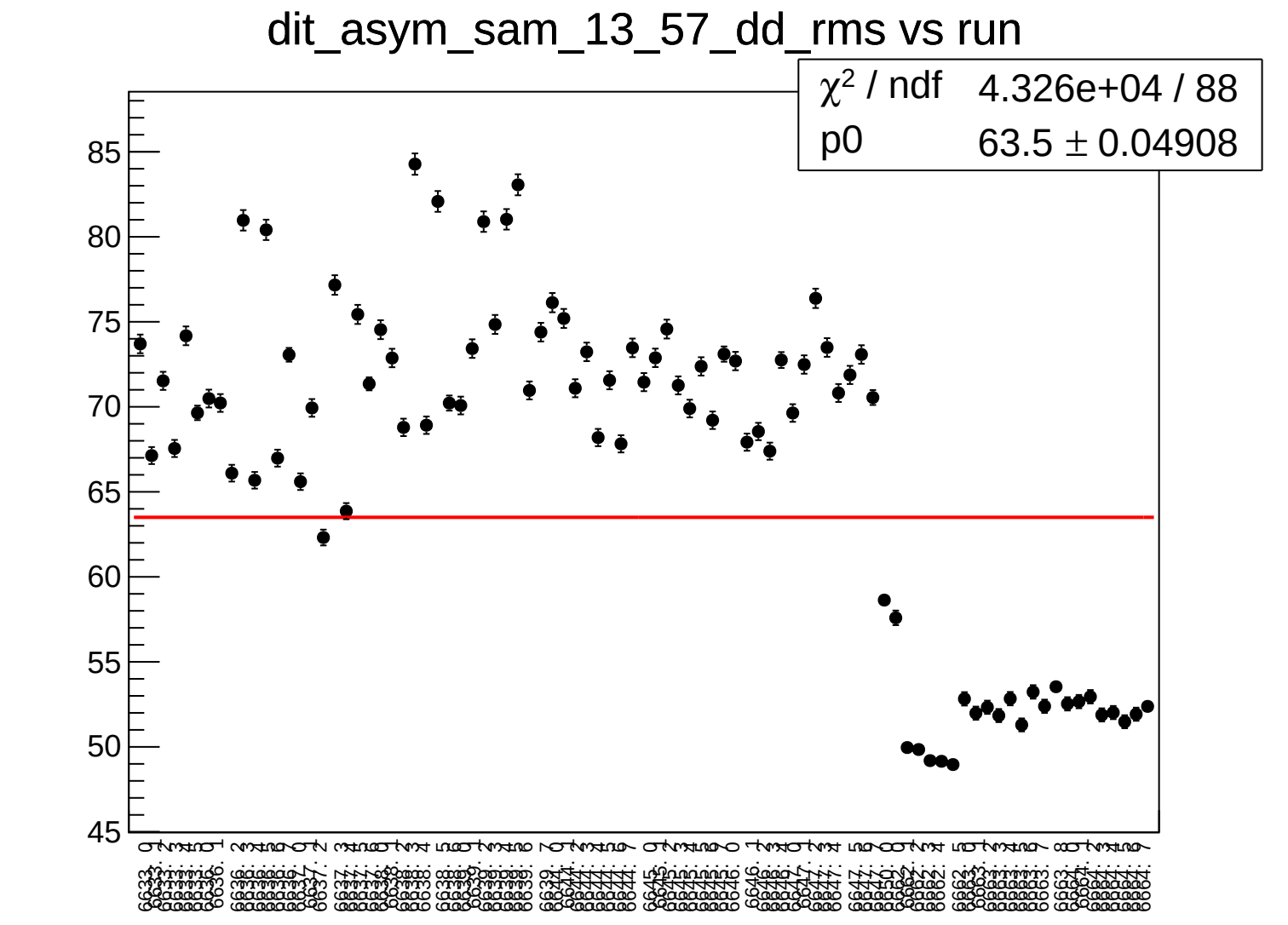

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3.062e+04 / 88
p0 821.9 ± 0.6329
1050
1000
950
900
850
800
750
700
650

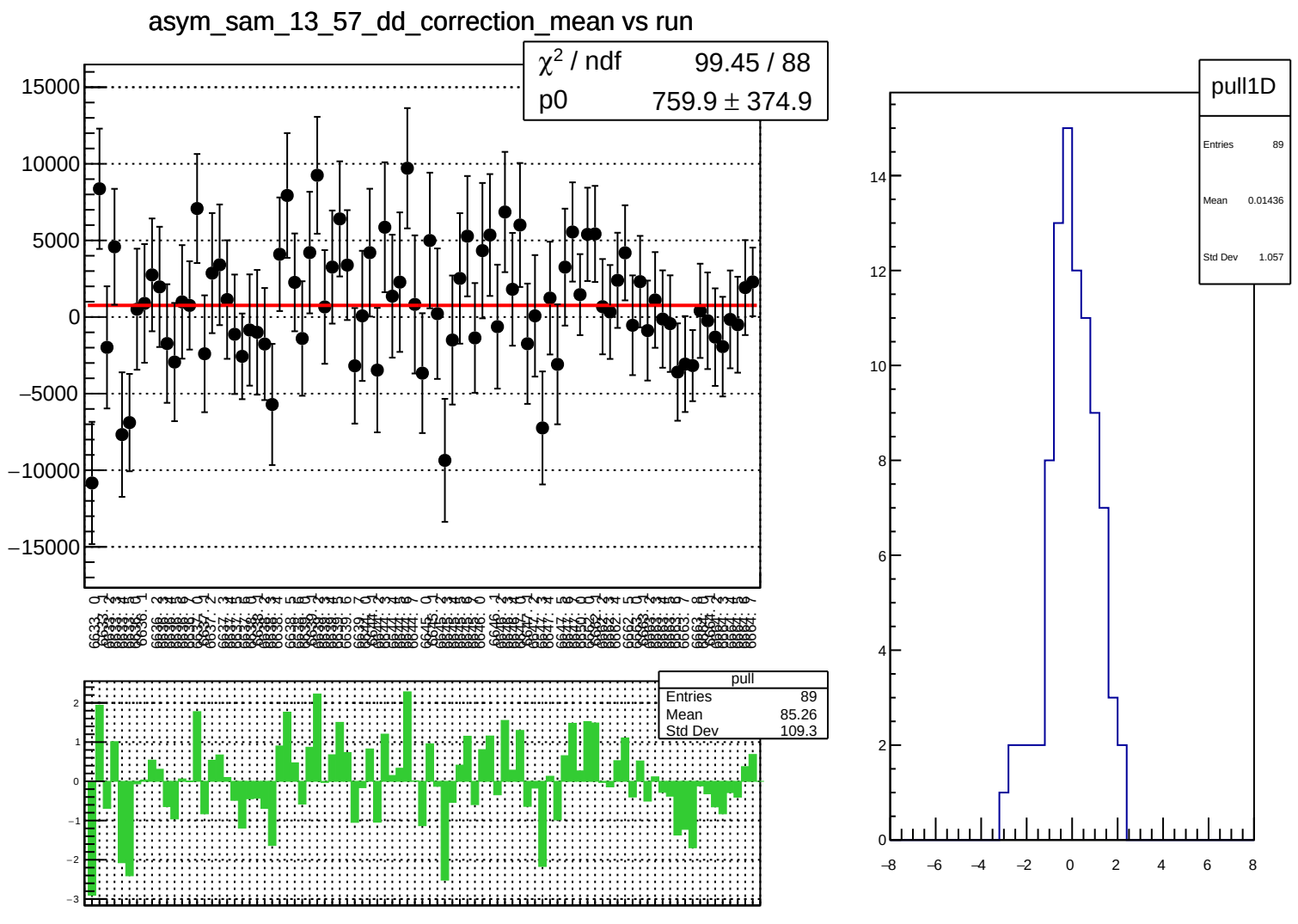

asym_sam_48_dd_mean vs run
χ² / ndf 82.09 / 88
p0 1093 ± 887.6
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −67.56
Std Dev 107.7
2
1
0
−1
−2

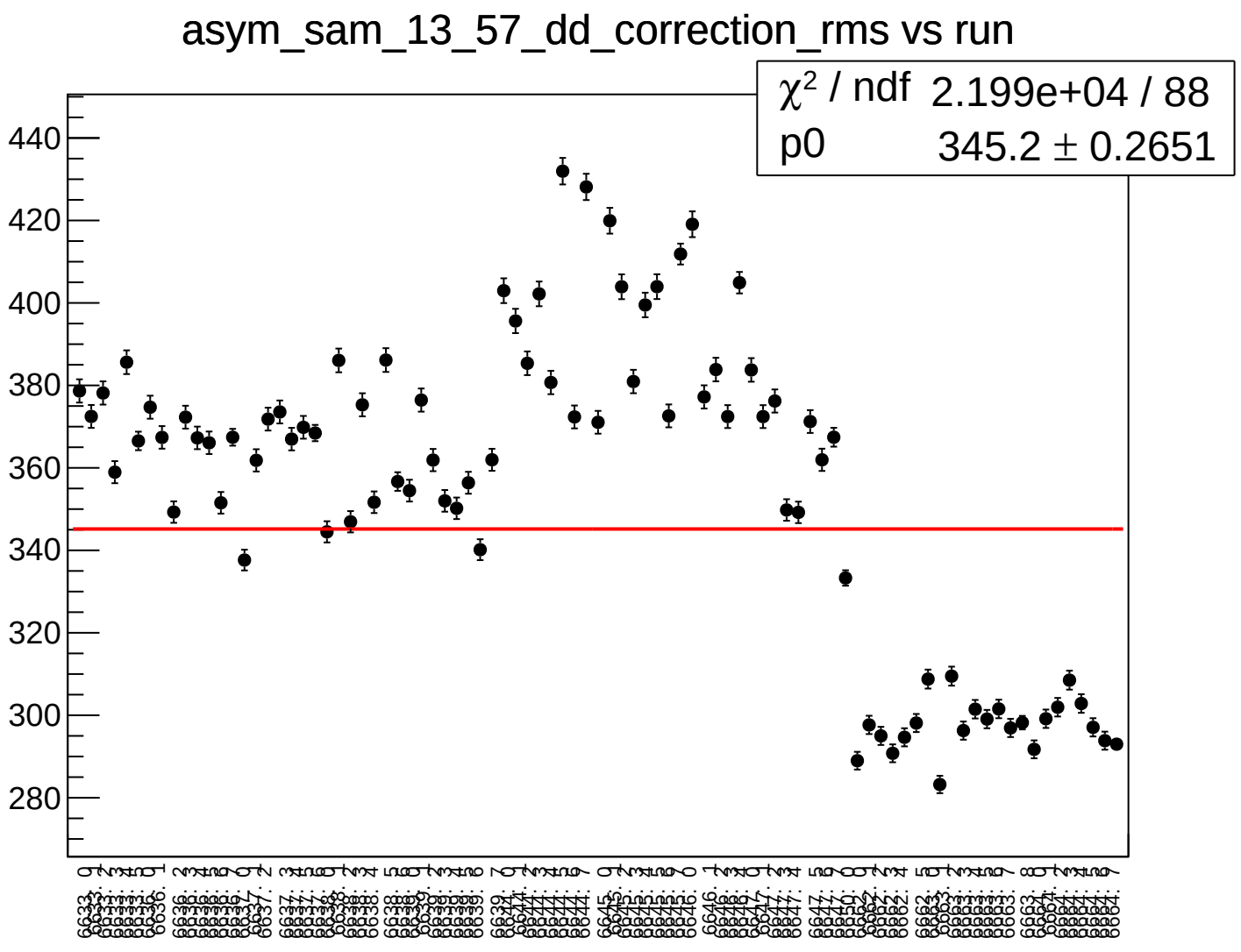

pull1D
Entries 89
Mean 0.02566
Std Dev 0.9601
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

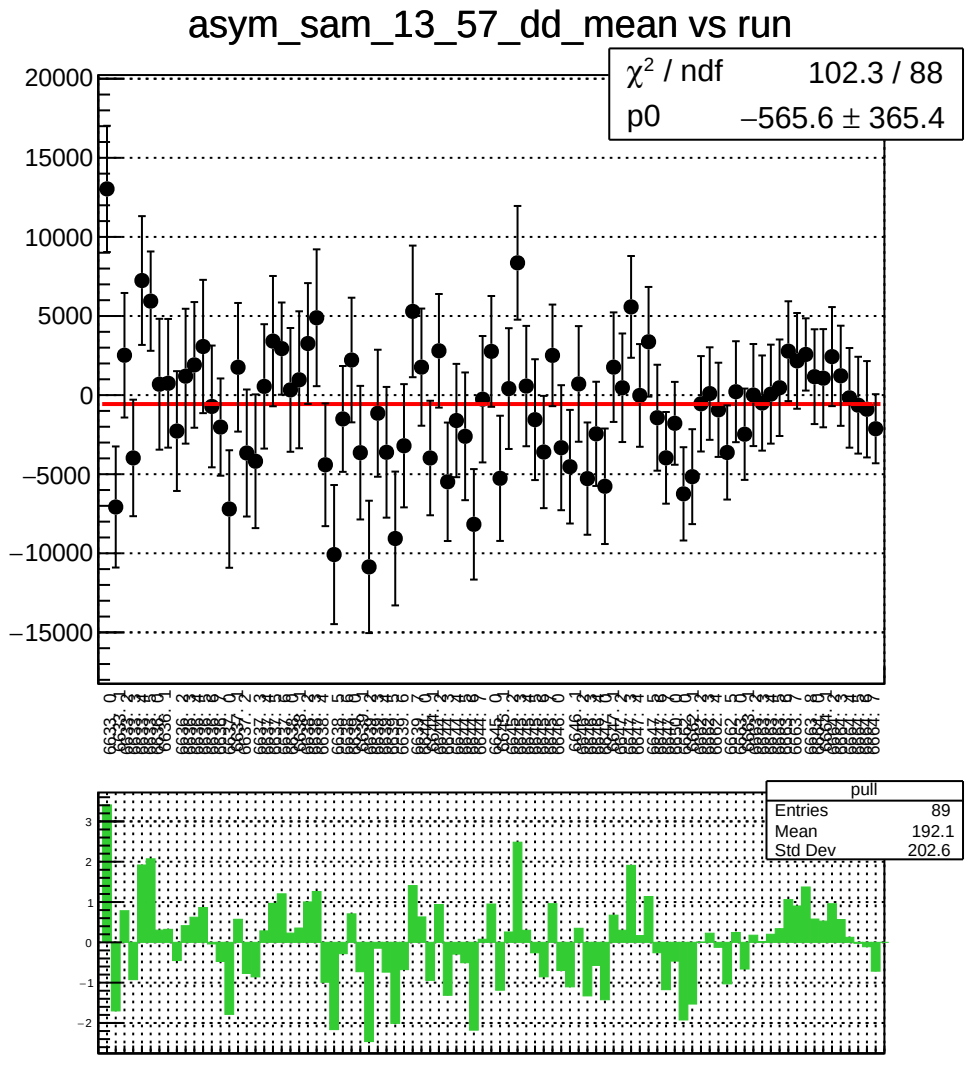

asym_sam_48_dd_rms vs run
χ² / ndf 4.148e+04 / 88
p0 812.4 ± 0.6276
1100
1000
900
800
700
600

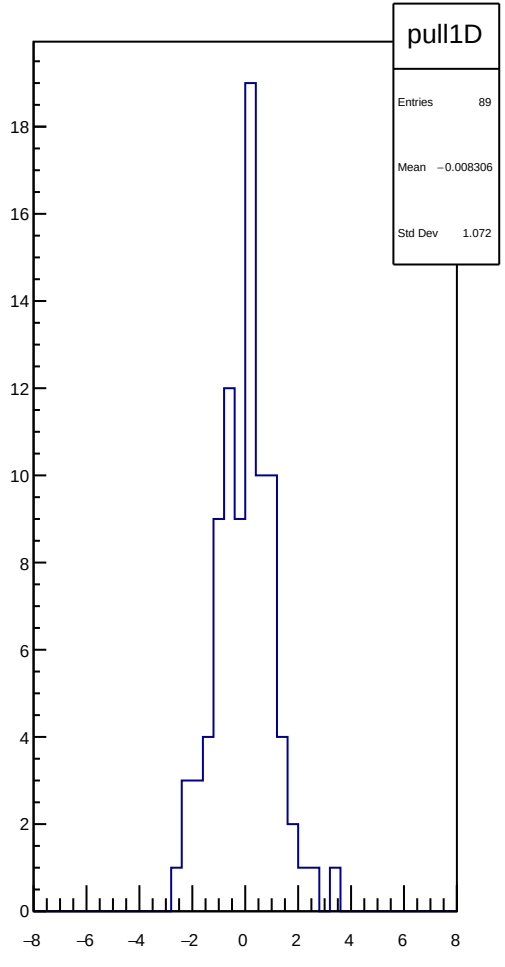

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 95.73 / 88
p0 167.4 ± 69.41
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 89
Mean −62.52
Std Dev 100.1
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.02764
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

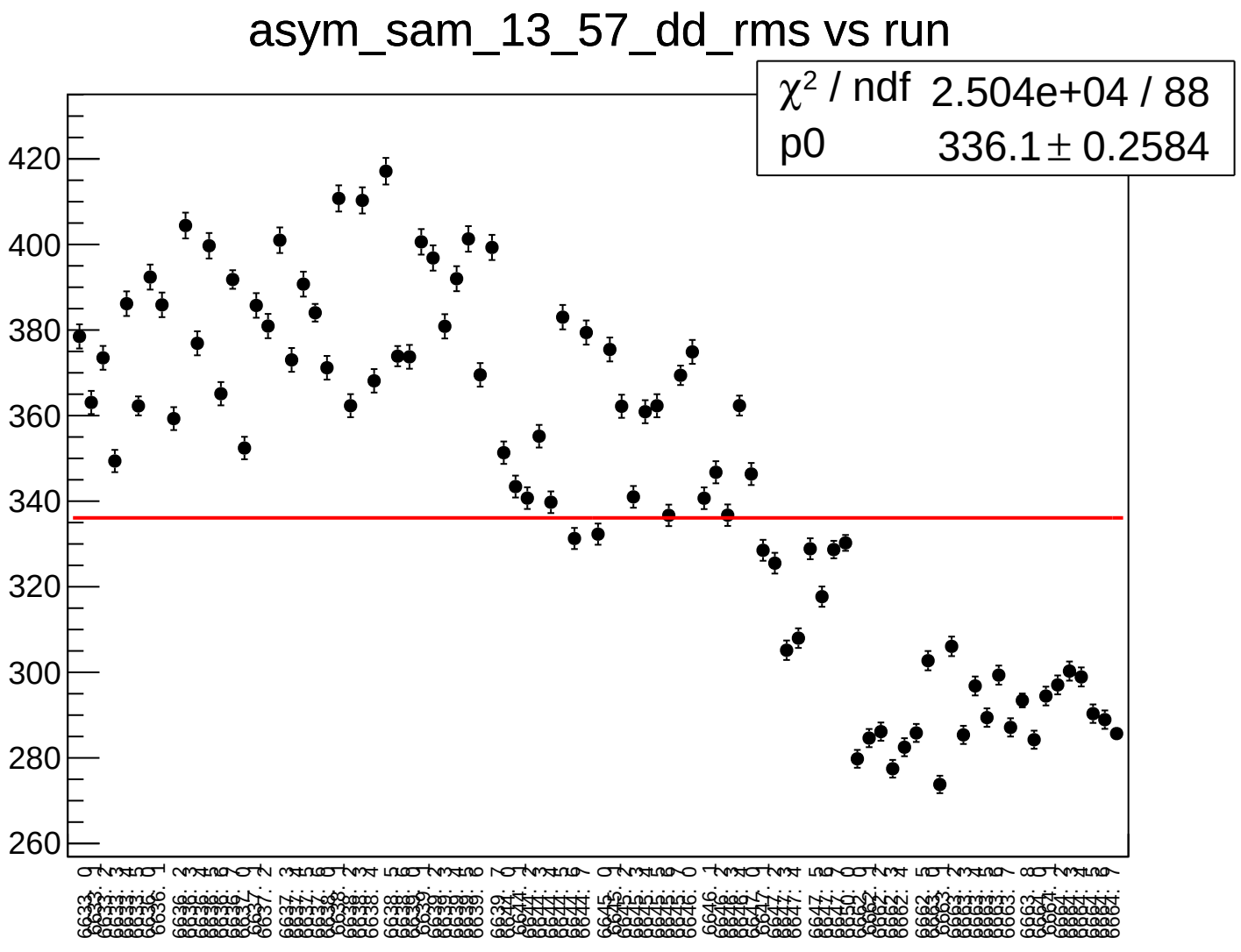

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4.326e+04 / 88
p0 63.5 ± 0.04908
85
80
75
70
65
60
55
50
45

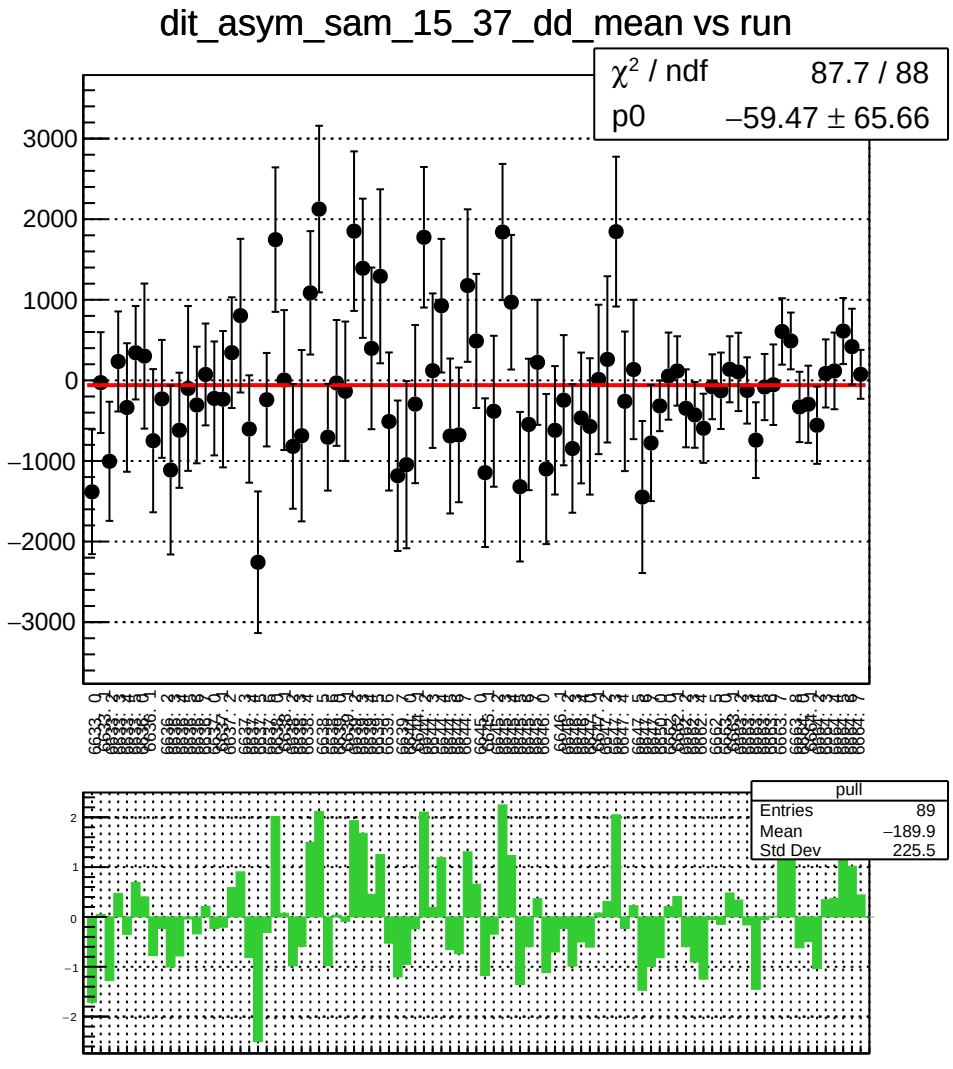

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 99.45 / 88
p0 759.9 ± 374.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 85.26
Std Dev 109.3
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.01436
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

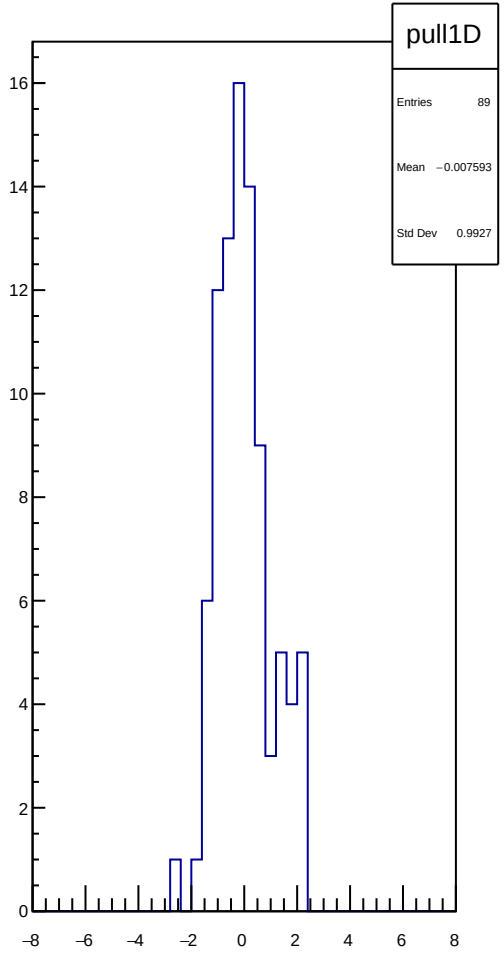

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2.199e+04 / 88
p0 345.2 ± 0.2651
440
420
400
380
360
340
320
300
280

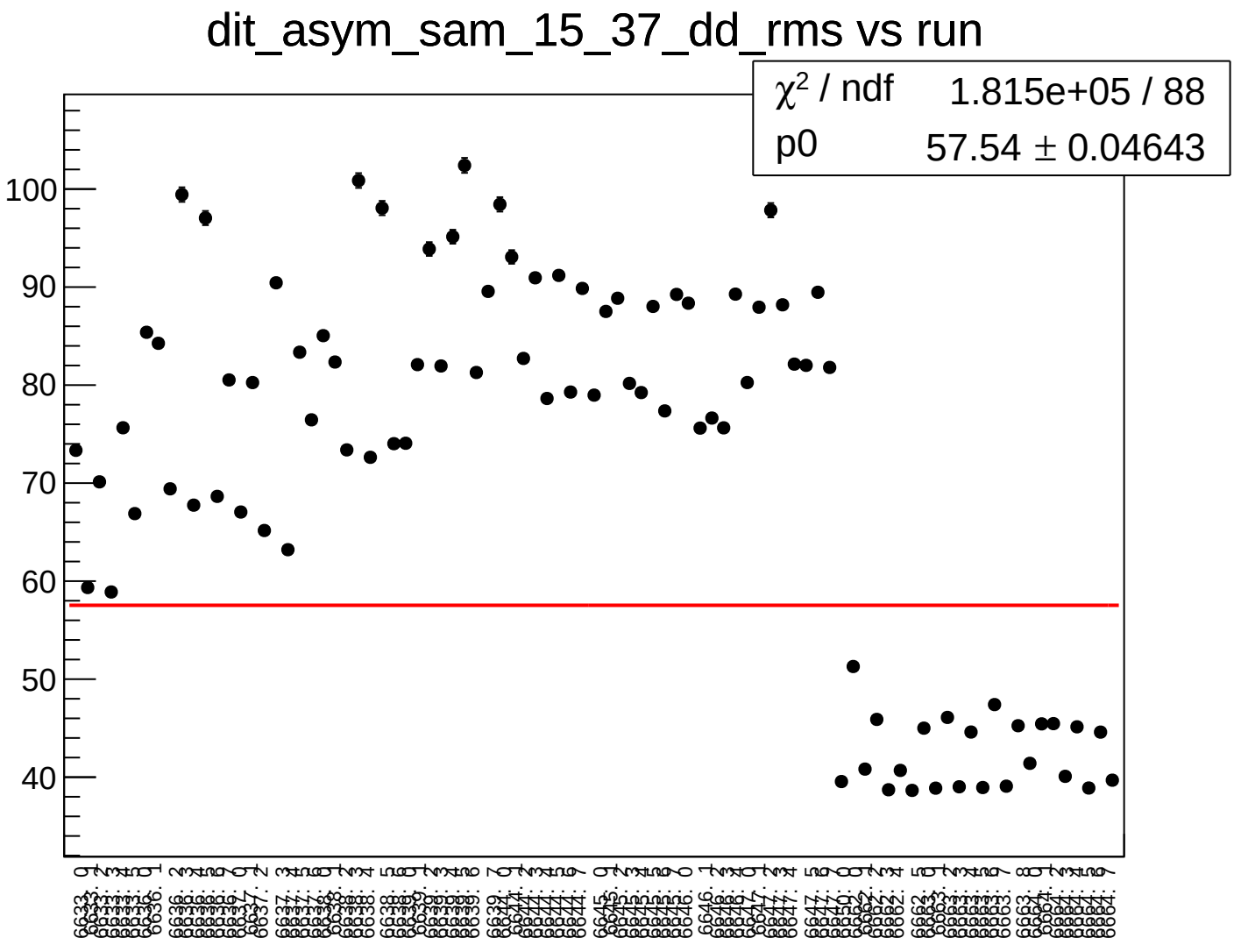

asym_sam_13_57_dd_mean vs run
χ² / ndf 102.3 / 88
p0 −565.6 ± 365.4
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 192.1
Std Dev 202.6
3
2
1
0
−1
−2

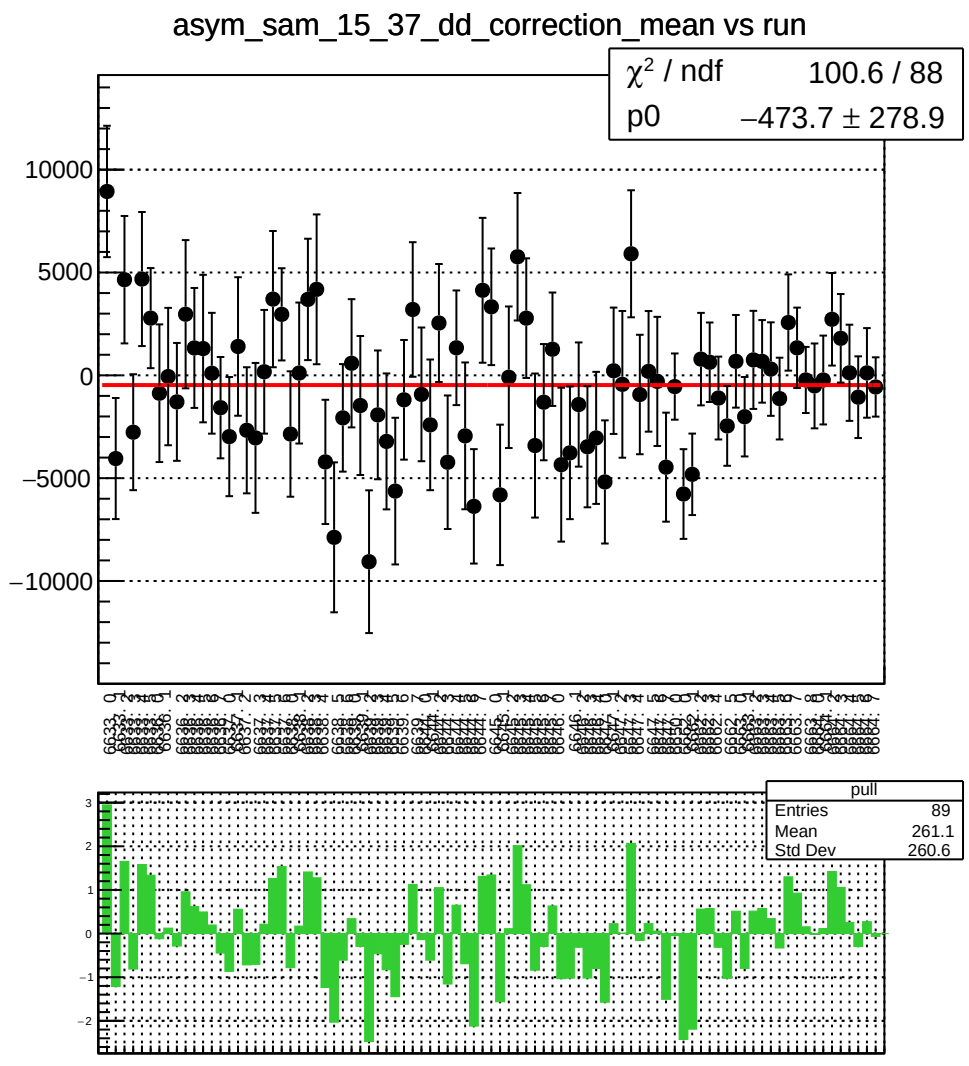

pull1D
Entries 89
Mean −0.008306
Std Dev 1.072
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

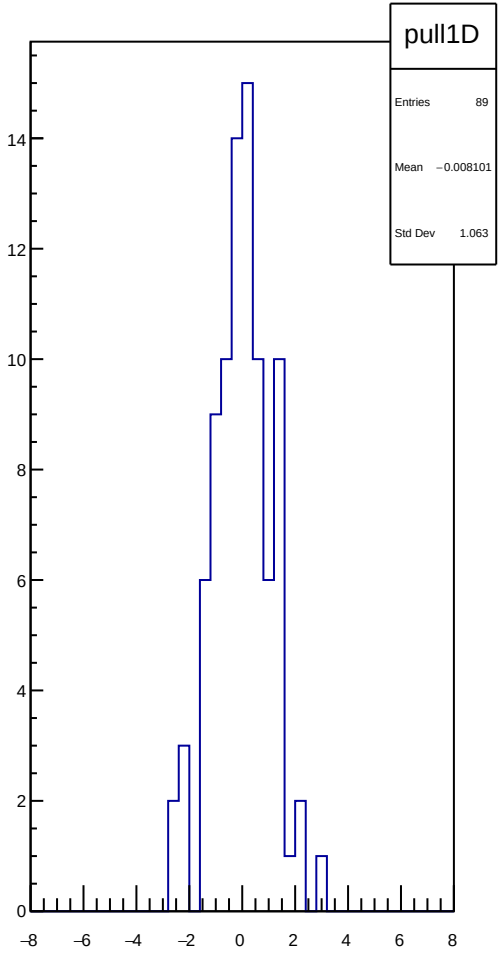

asym_sam_13_57_dd_rms vs run
χ² / ndf 2.504e+04 / 88
p0 336.1 ± 0.2584
420
400
380
360
340
320
300
280
260

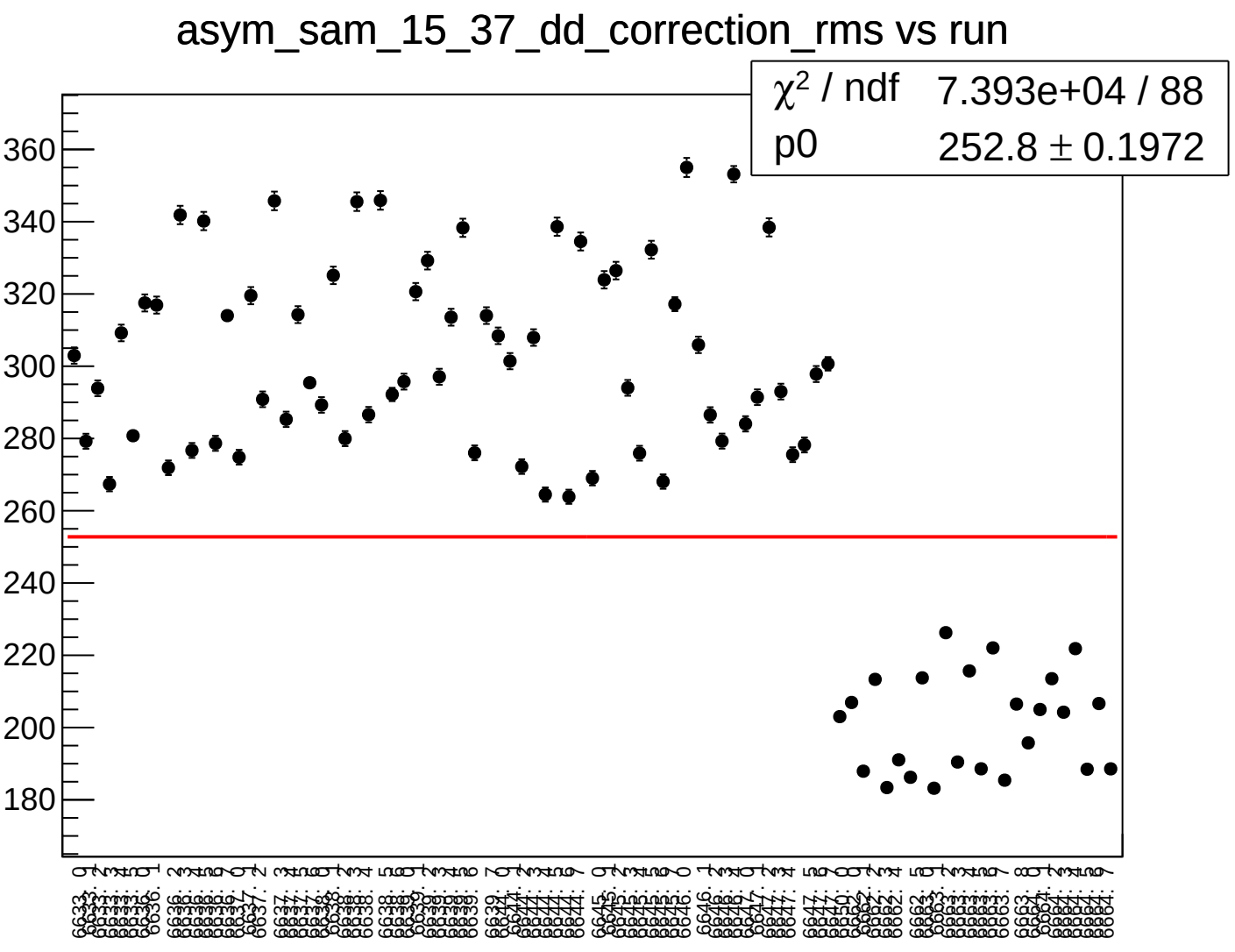

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 87.7 / 88
p0 −59.47 ± 65.66
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 89
Mean −189.9
Std Dev 225.5
2
1
0
−1
−2

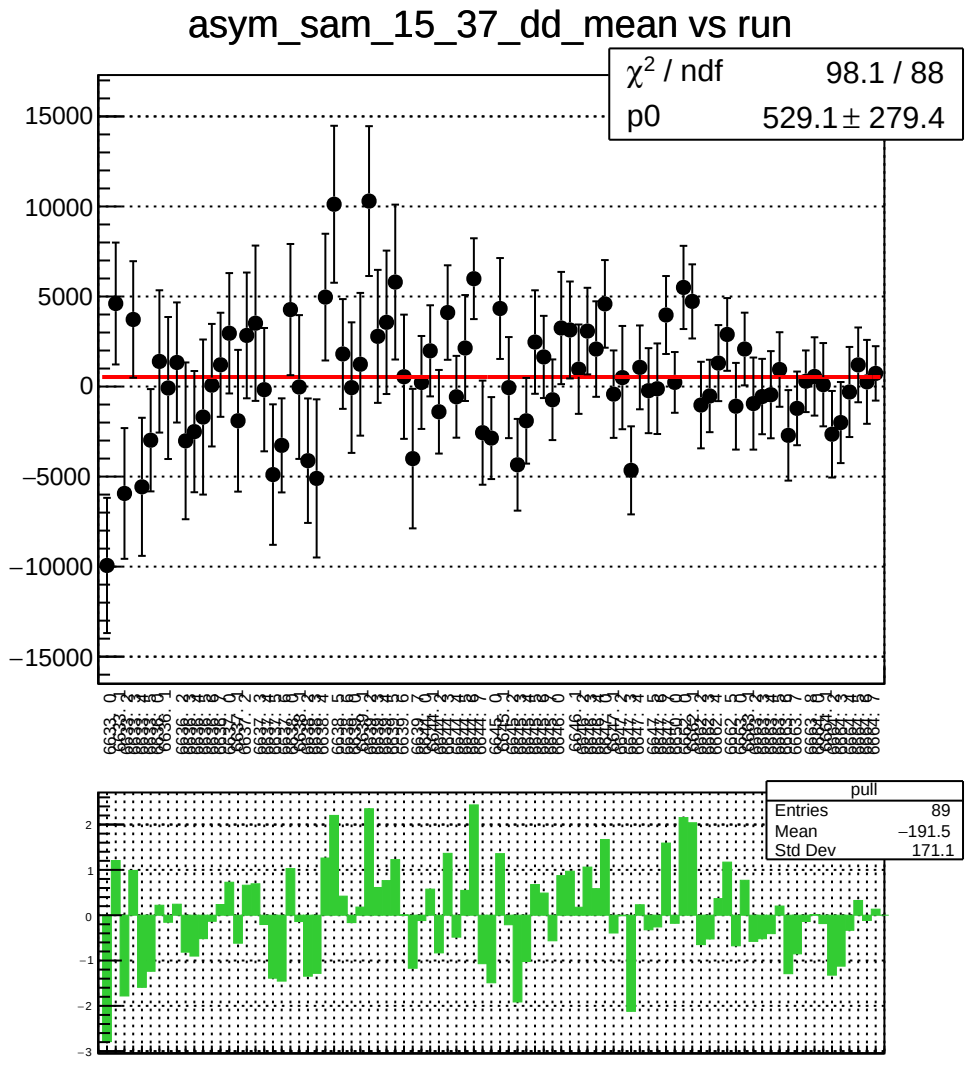

pull1D
Entries 89
Mean −0.007593
Std Dev 0.9927
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

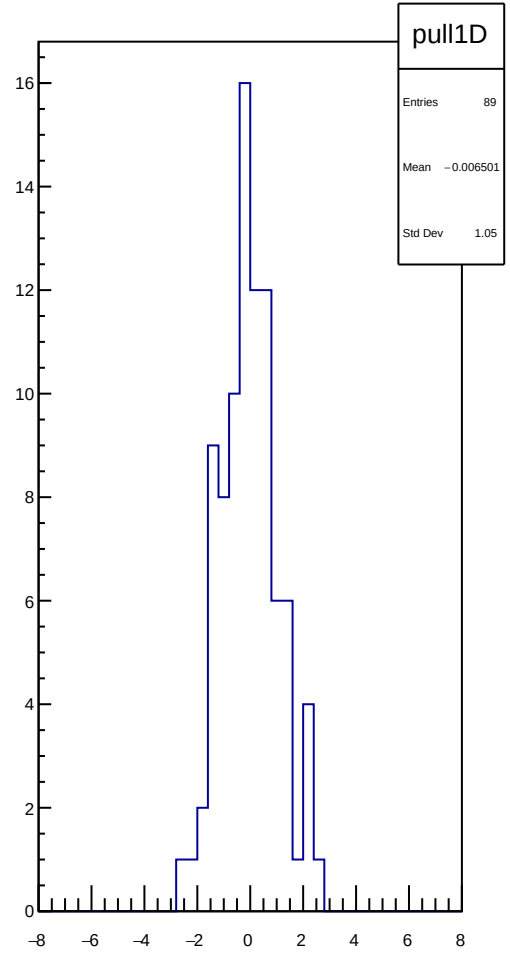

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.815e+05 / 88
p0 57.54 ± 0.04643
100
90
80
70
60
50
40

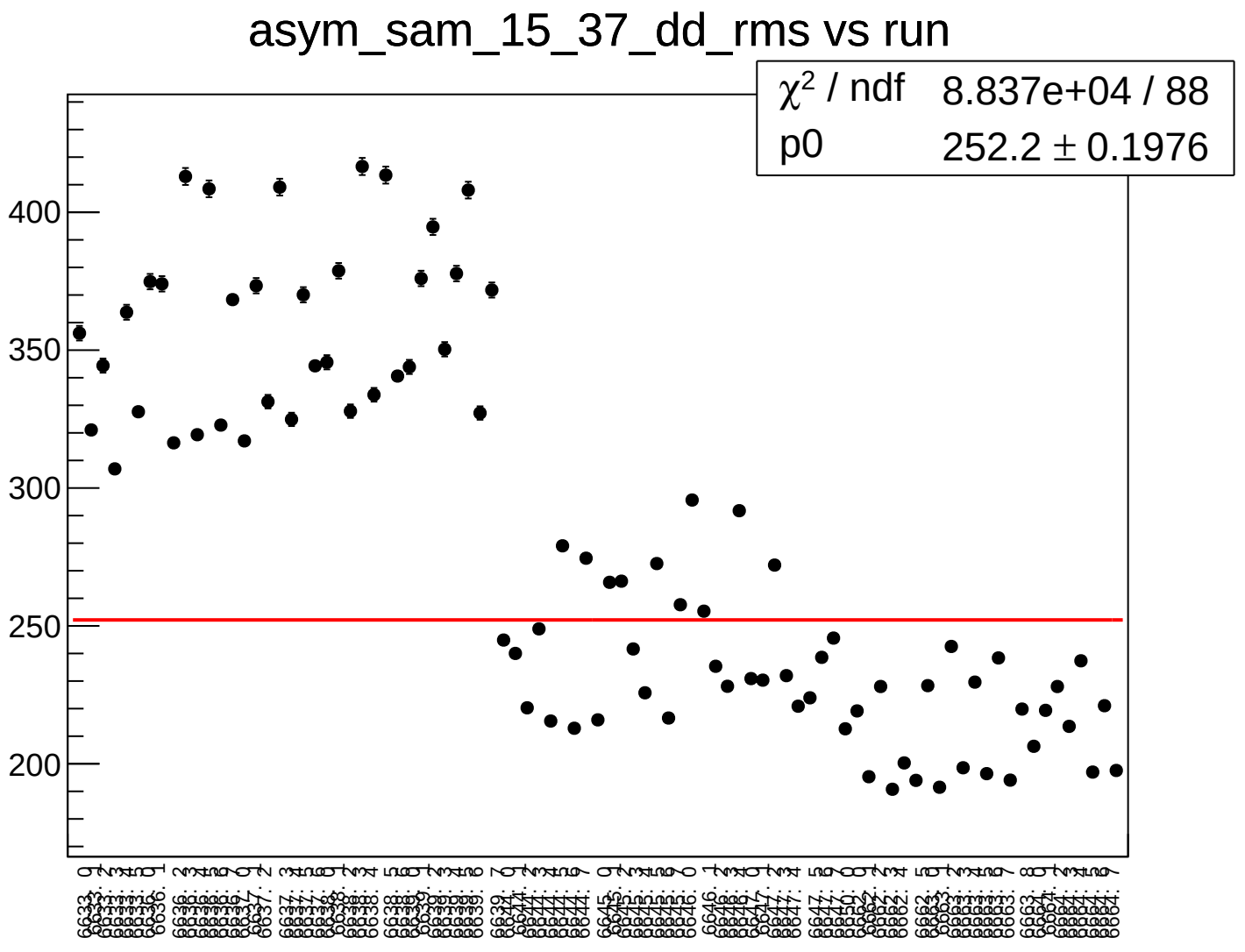

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 100.6 / 88
p0 −473.7 ± 278.9
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 261.1
Std Dev 260.6
3
2
1
0
−1
−2

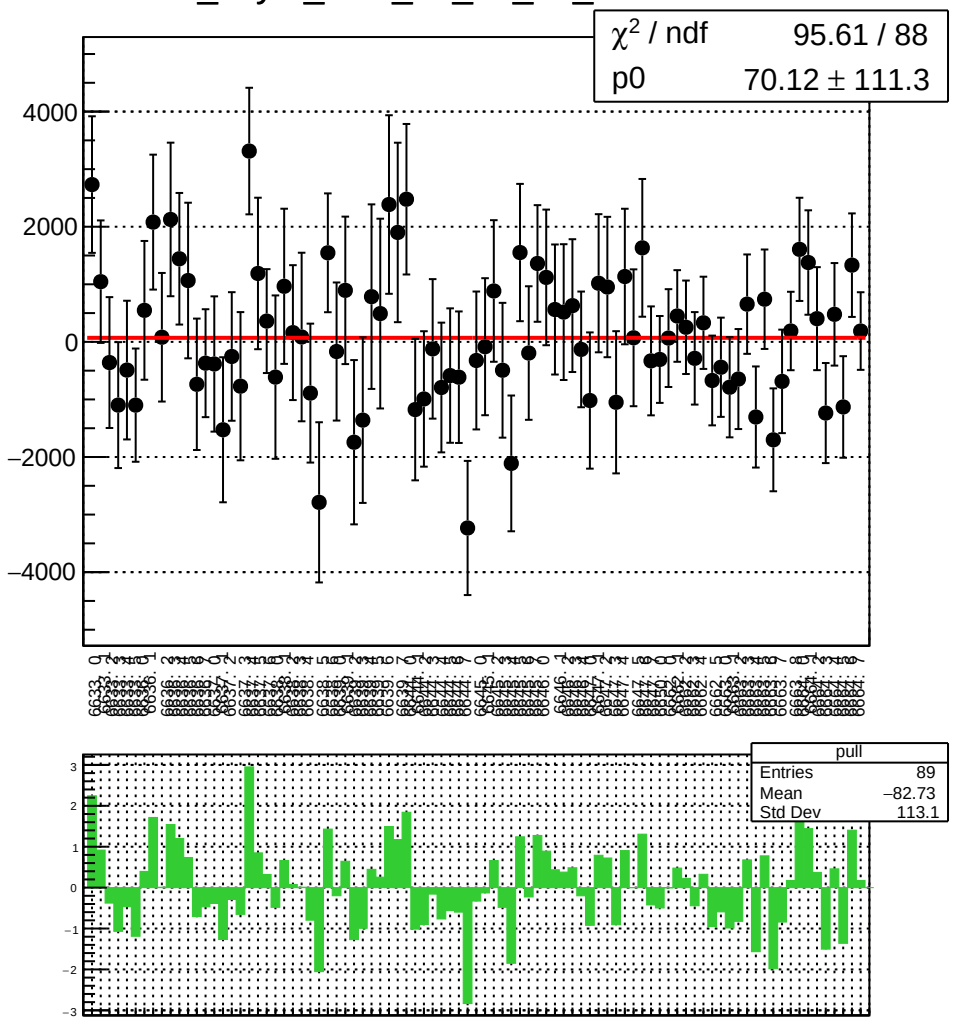

pull1D
Entries 89
Mean −0.008101
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

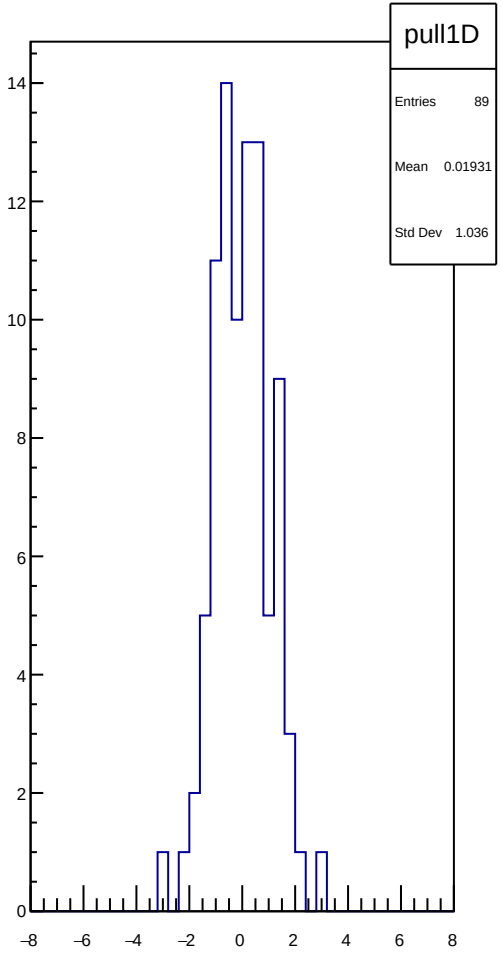

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 7.393e+04 / 88
p0 252.8 ± 0.1972
360
340
320
300
280
260
240
220
200
180

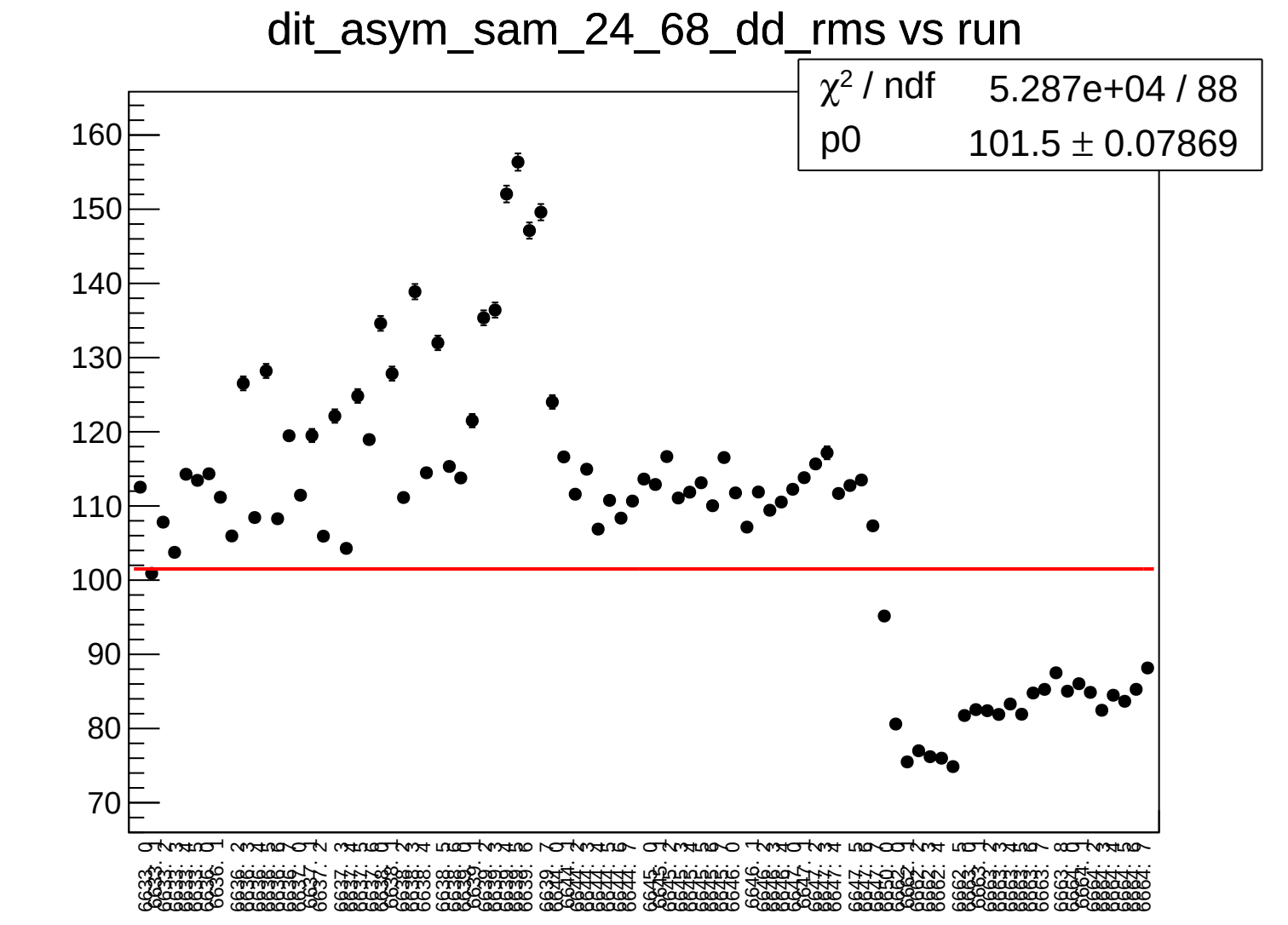

asym_sam_15_37_dd_mean vs run
χ² / ndf 98.1 / 88
p0 529.1 ± 279.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −191.5
Std Dev 171.1
2
1
0
−1
−2
−3

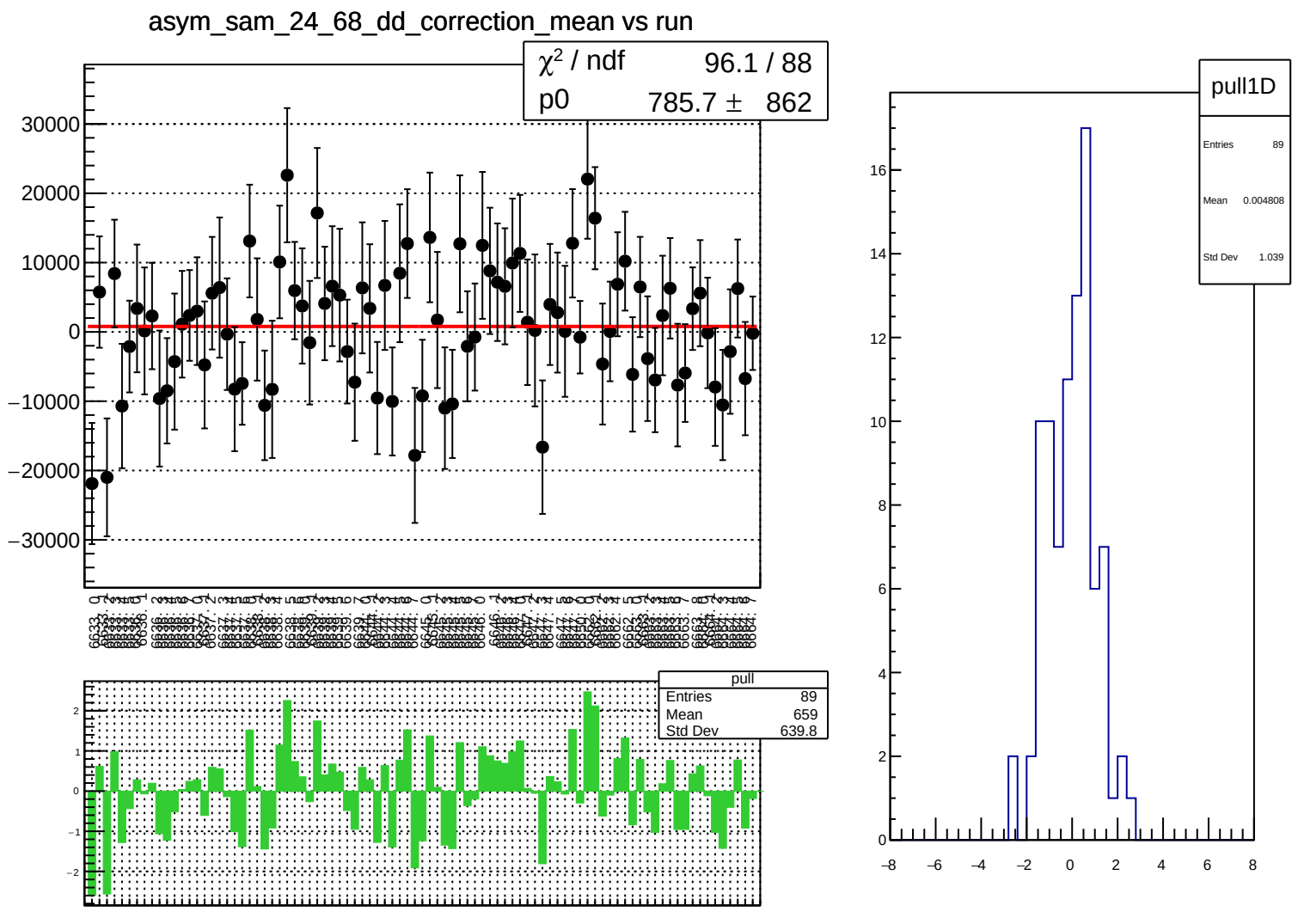

pull1D
Entries 89
Mean −0.006501
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

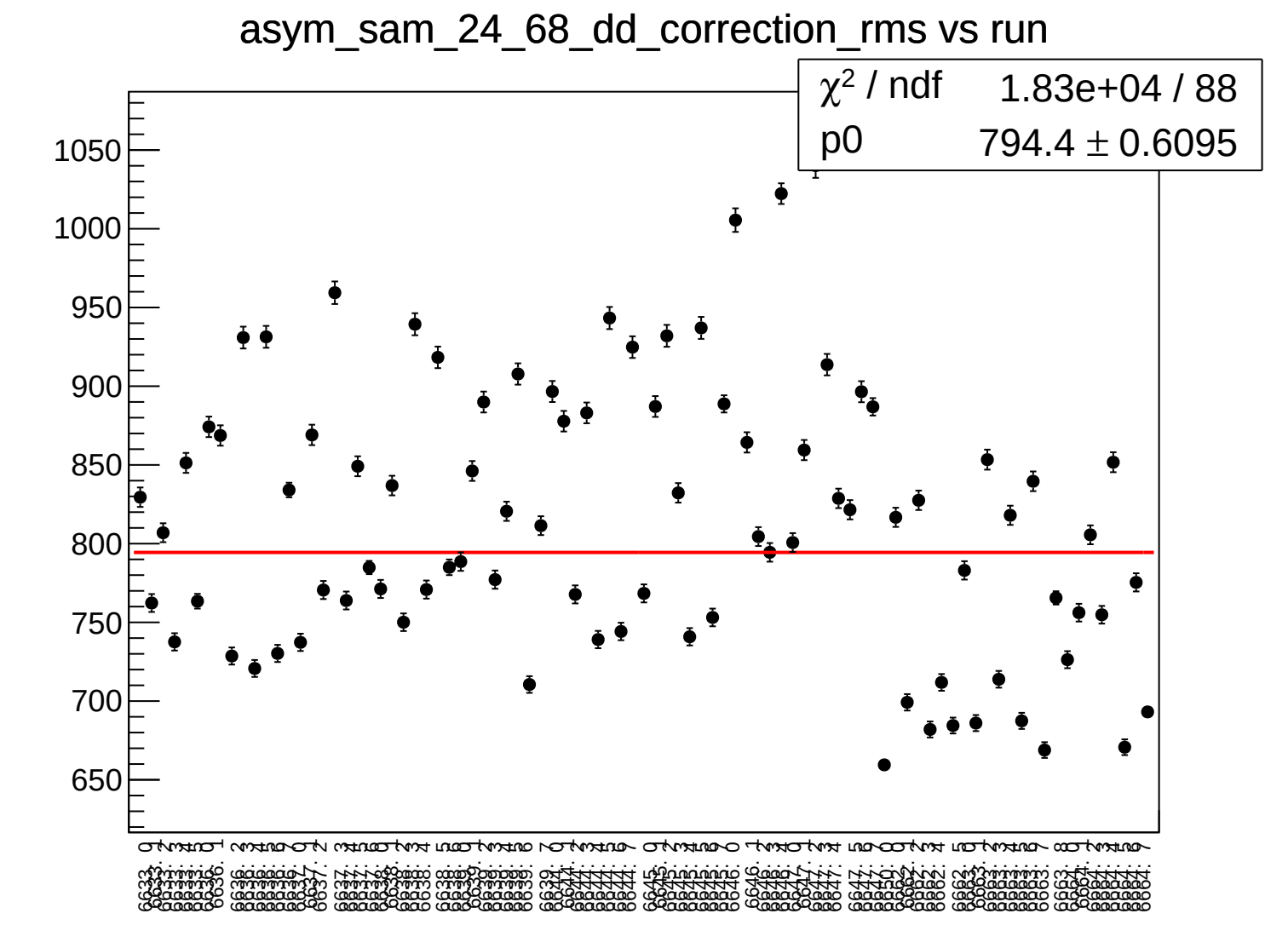

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 8.837e+04 / 88
p0 252.2 ± 0.1976
400
350
300
250
200

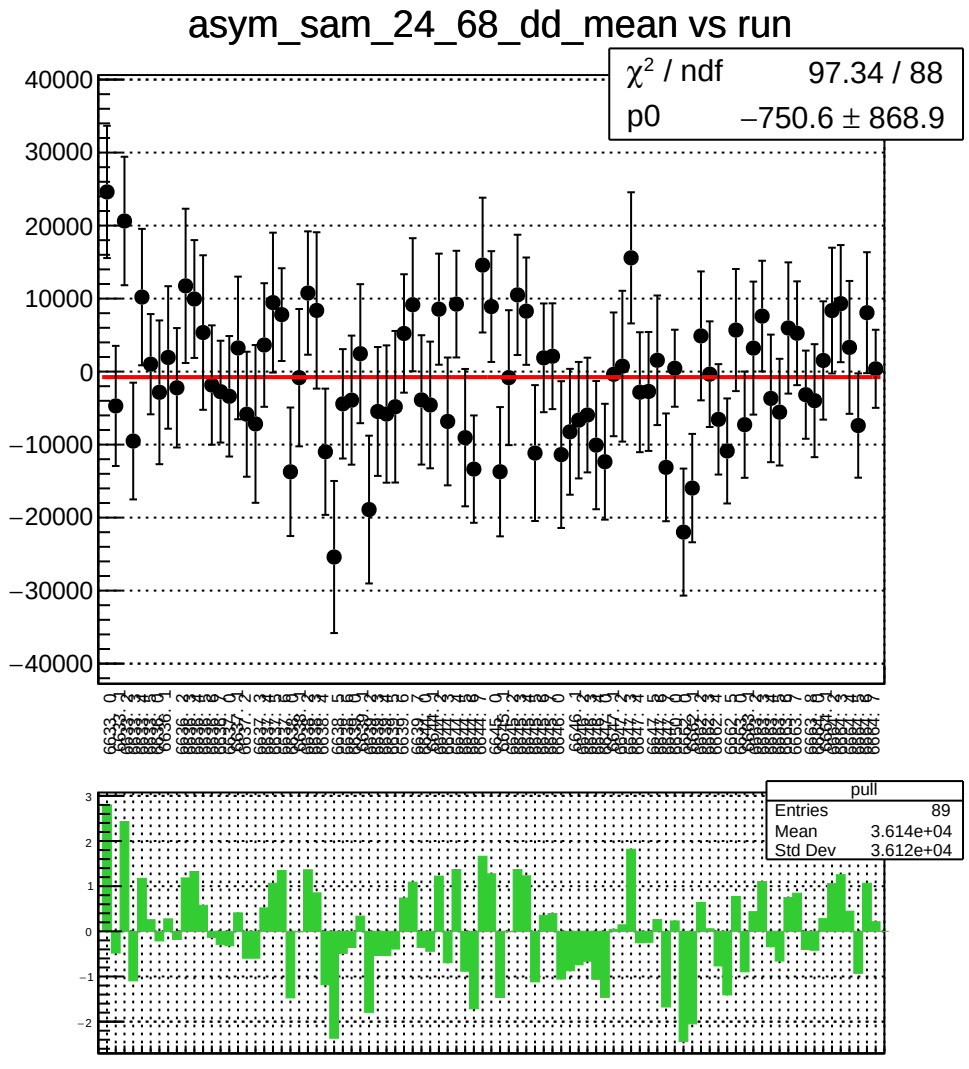

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 95.61 / 88
p0 70.12 ± 111.3
4000
2000
0
−2000
−4000
pull
Entries 89
Mean −82.73
Std Dev 113.1
3
2
1
0
−1
−2
−3

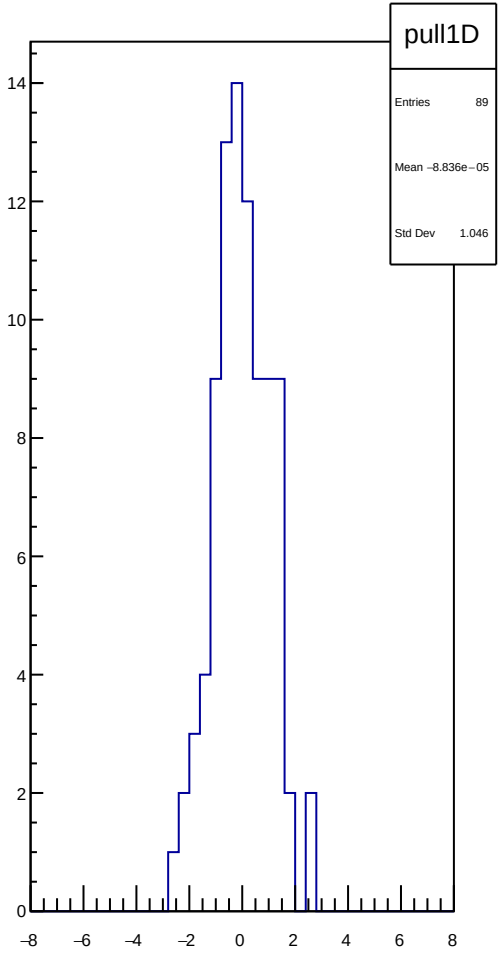

pull1D
Entries 89
Mean 0.01931
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

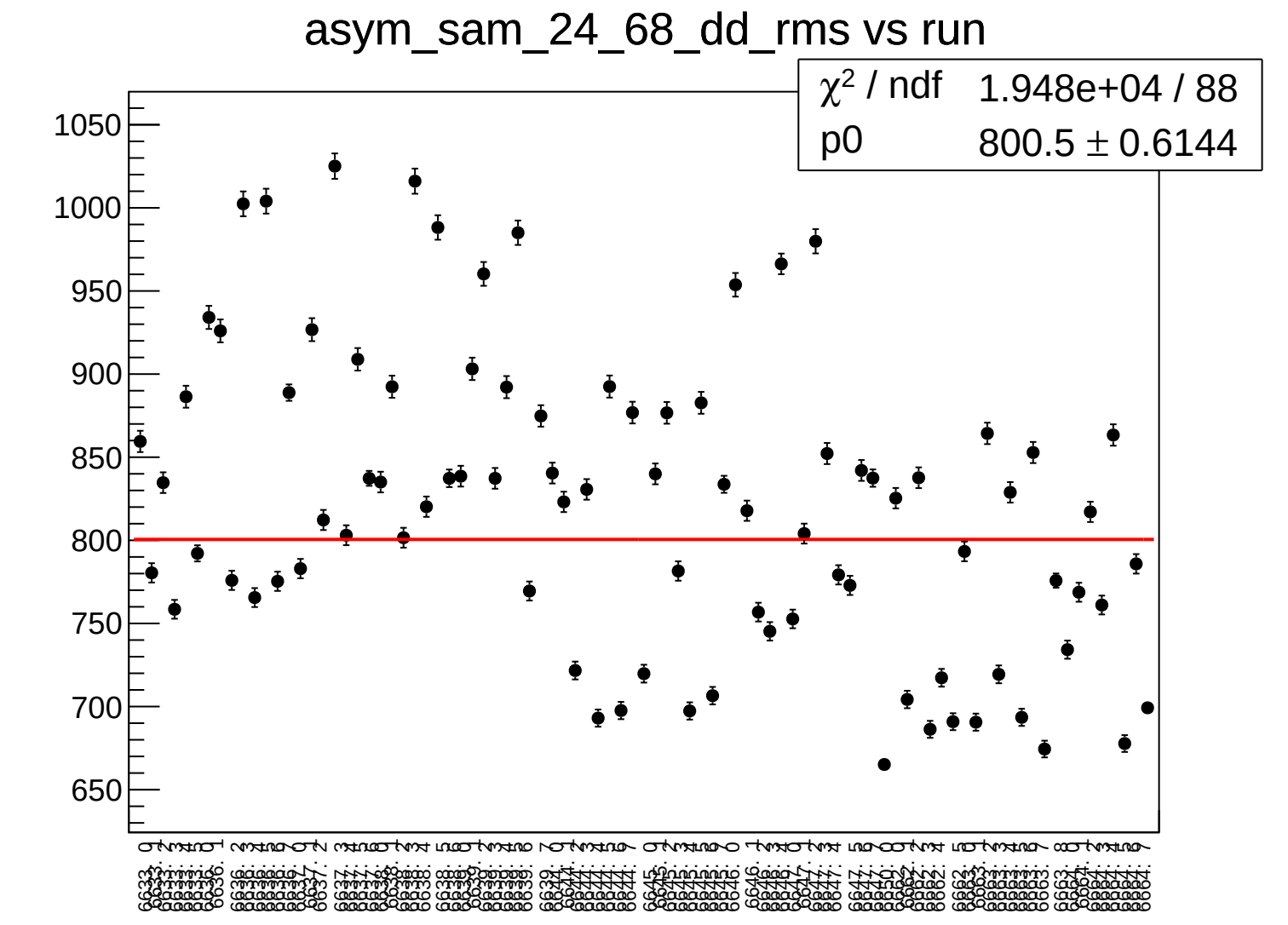

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 5.287e+04 / 88
p0 101.5 ± 0.07869
160
150
140
130
120
110
100
90
80
70

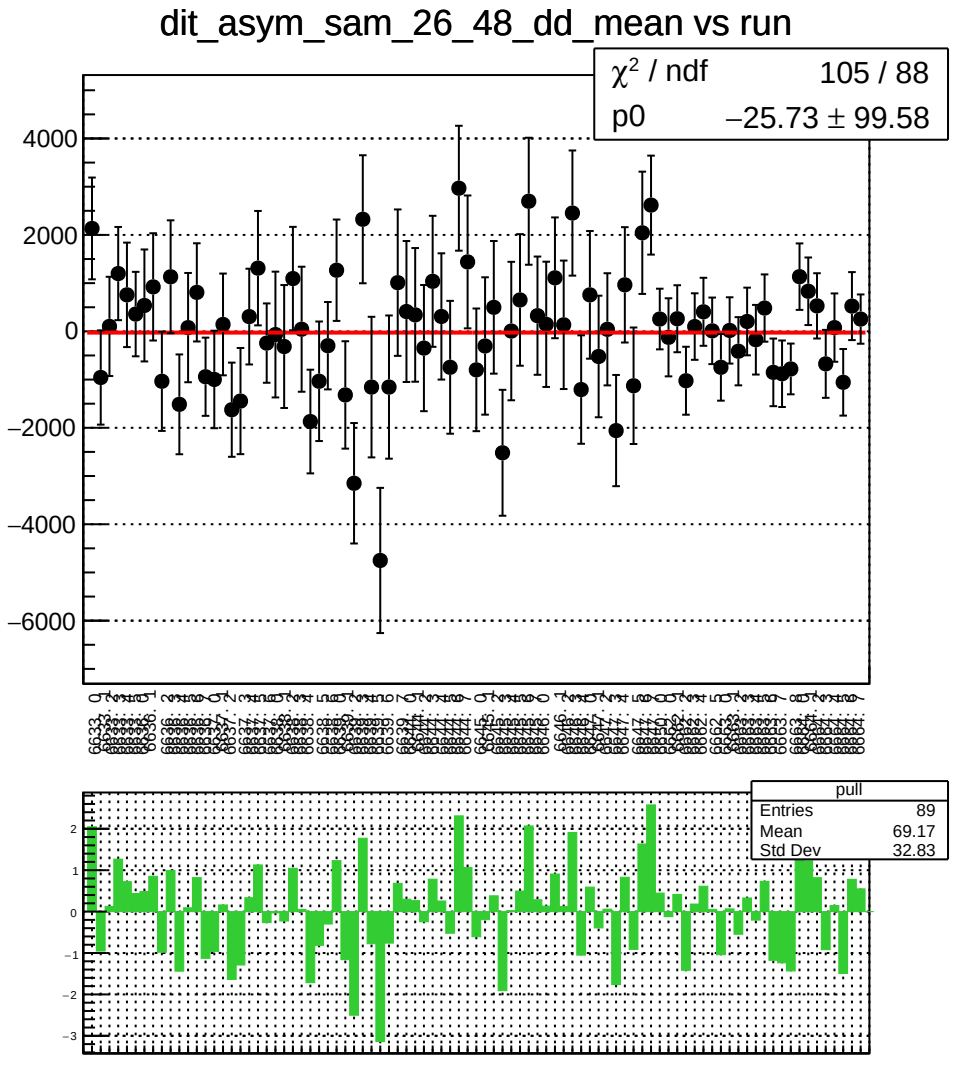

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 96.1 / 88
p0 785.7 ± 862
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 659
Std Dev 639.8
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.004808
Std Dev 1.039
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

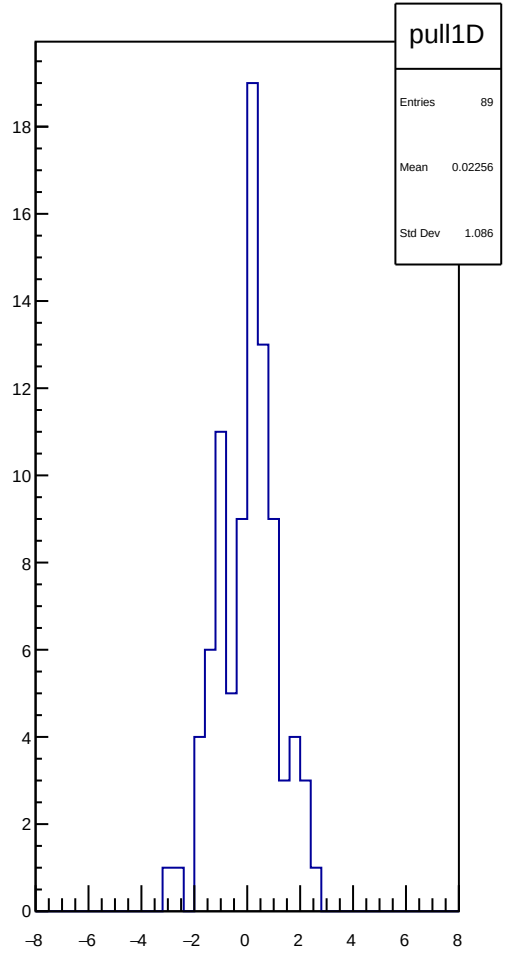

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.83e+04 / 88
p0 794.4 ± 0.6095
1050
1000
950
900
850
800
750
700
650

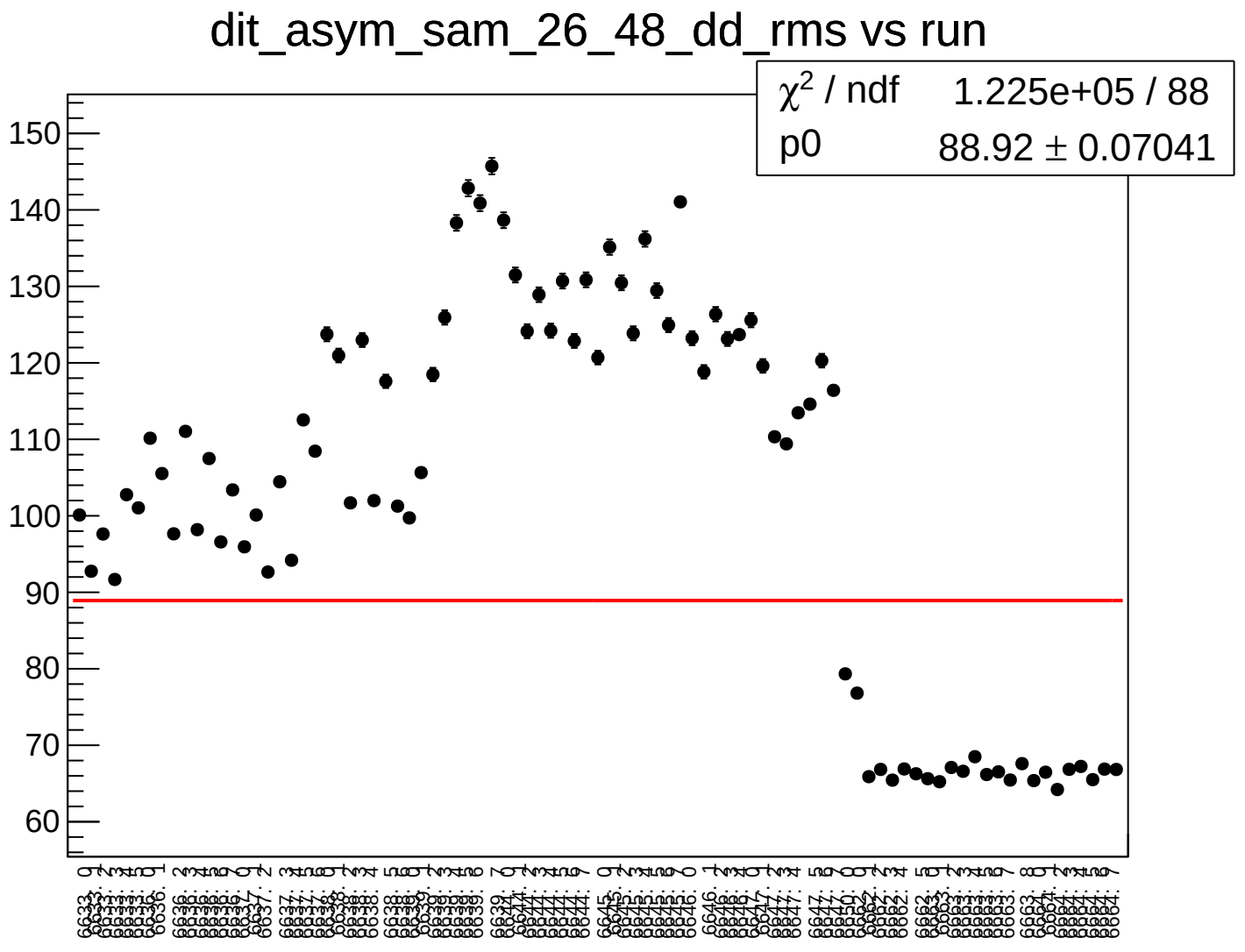

asym_sam_24_68_dd_mean vs run
χ² / ndf 97.34 / 88
p0 −750.6 ± 868.9
pull
Entries 89
Mean 3.614e+04
Std Dev 3.612e+04

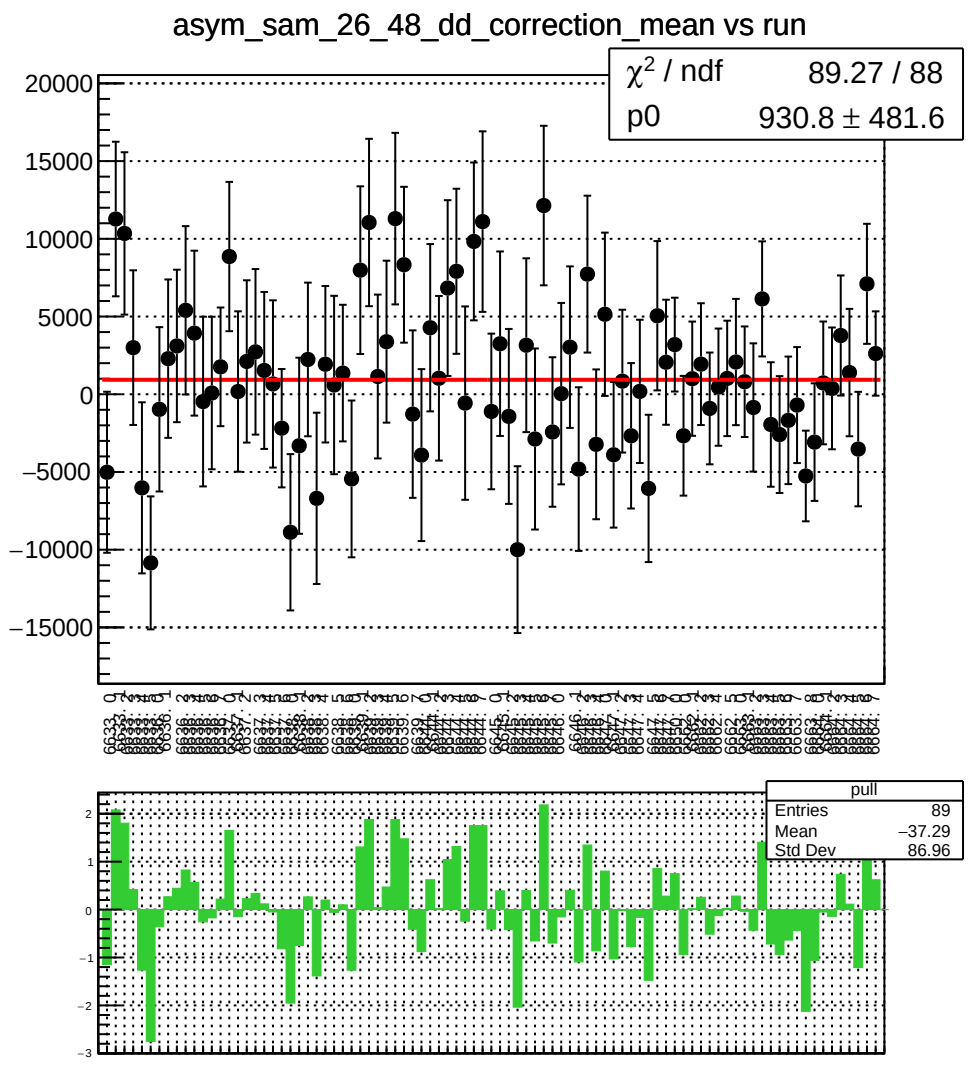

pull1D
Entries 89
Mean −8.836e−05
Std Dev 1.046

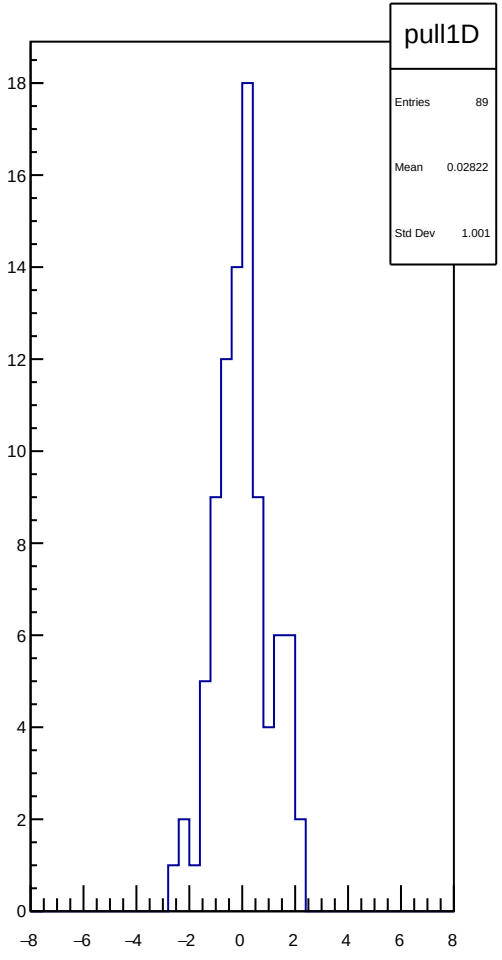

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.948e+04 / 88
p0 800.5 ± 0.6144
1050
1000
950
900
850
800
750
700
650

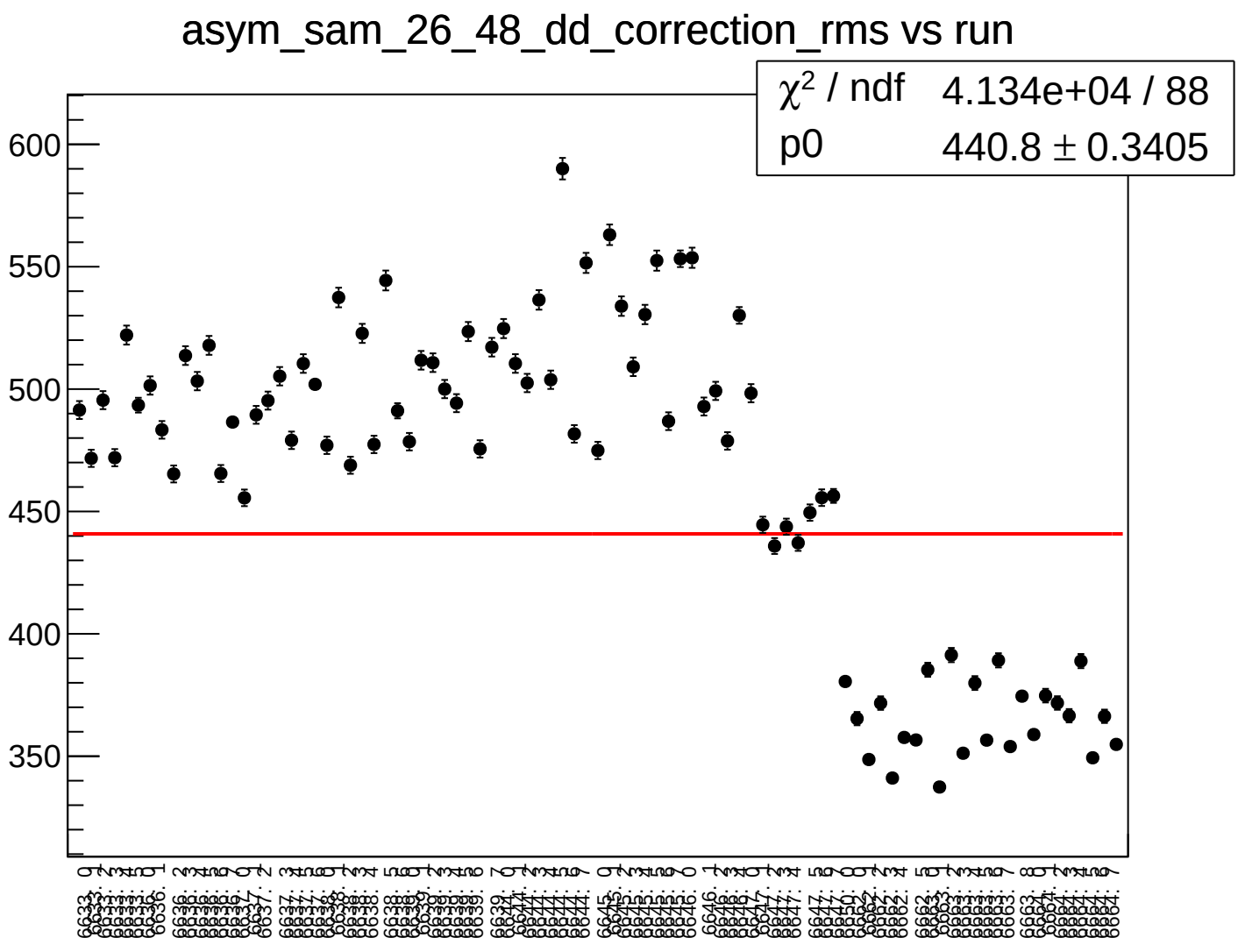

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 105 / 88
p0 −25.73 ± 99.58
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 69.17
Std Dev 32.83
2
1
0
−1
−2
−3

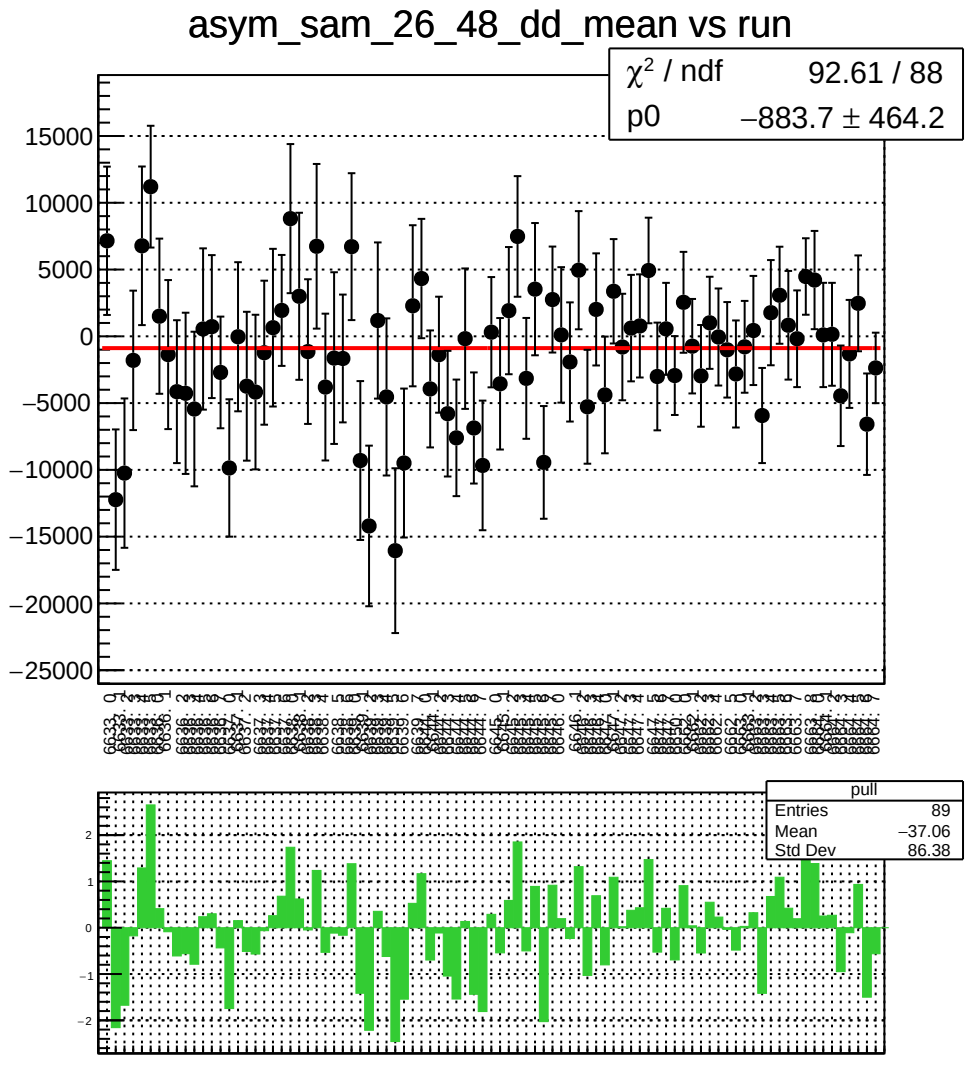

pull1D
Entries 89
Mean 0.02256
Std Dev 1.086
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

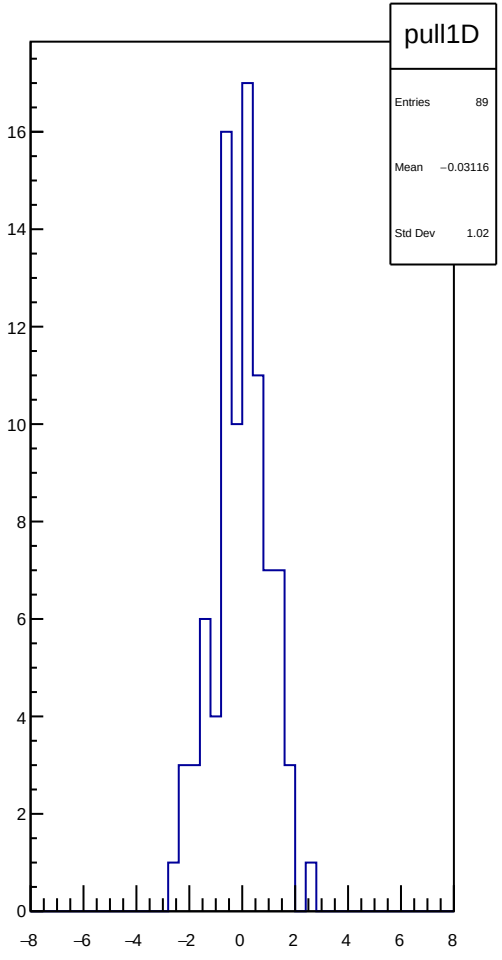

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.225e+05 / 88
p0 88.92 ± 0.07041
150
140
130
120
110
100
90
80
70
60

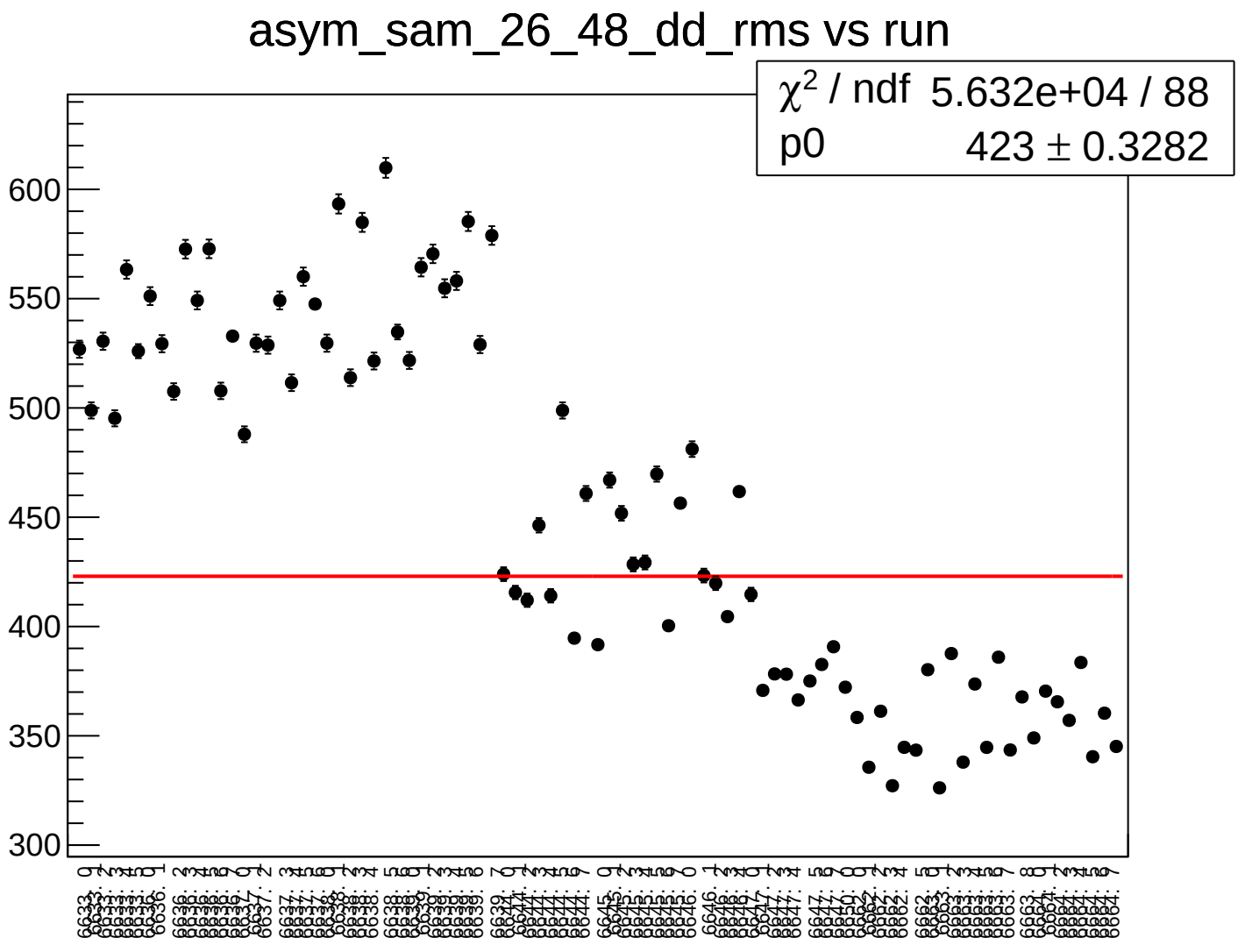

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 89.27 / 88
p0 930.8 ± 481.6
pull
Entries 89
Mean −37.29
Std Dev 86.96

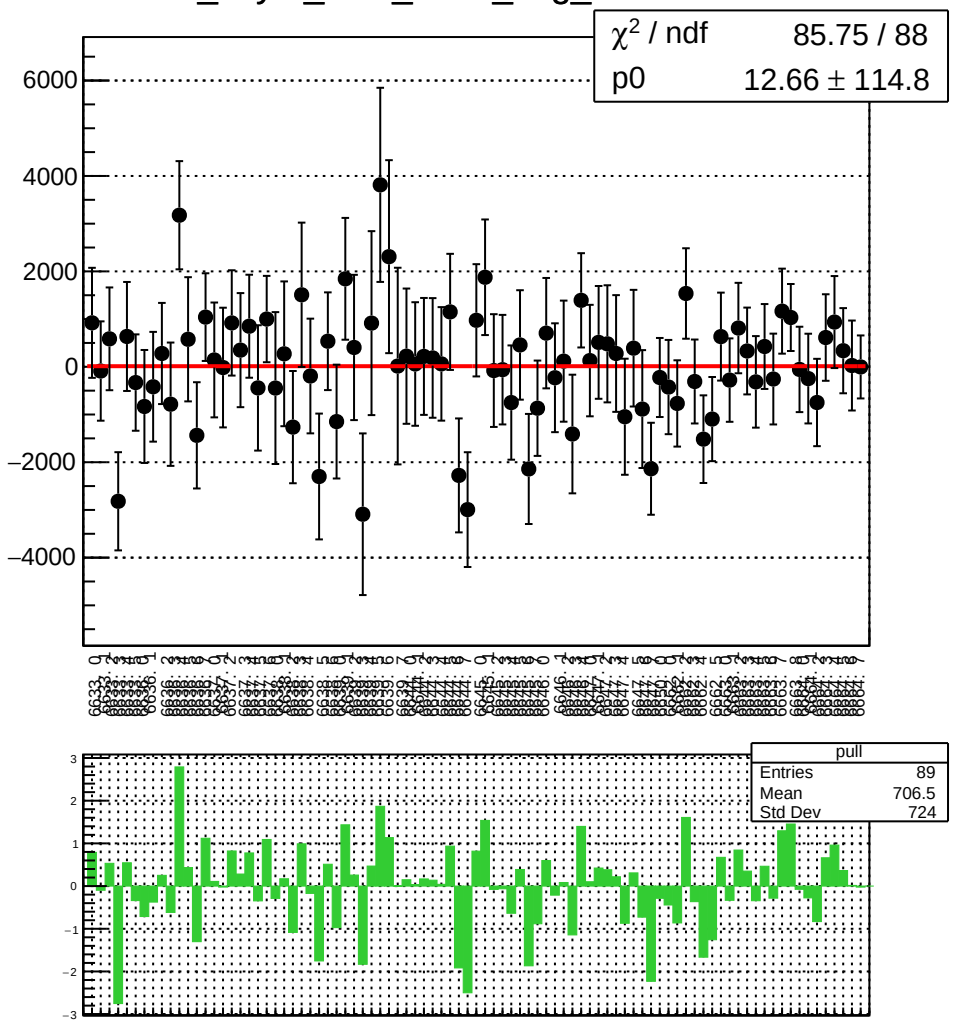

pull1D
Entries 89
Mean 0.02822
Std Dev 1.001

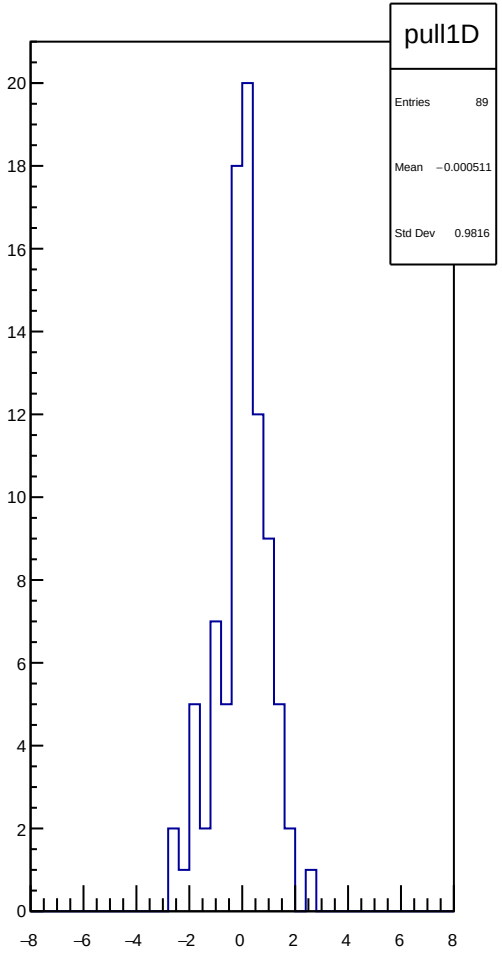

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 4.134e+04 / 88
p0 440.8 ± 0.3405
600
550
500
450
400
350

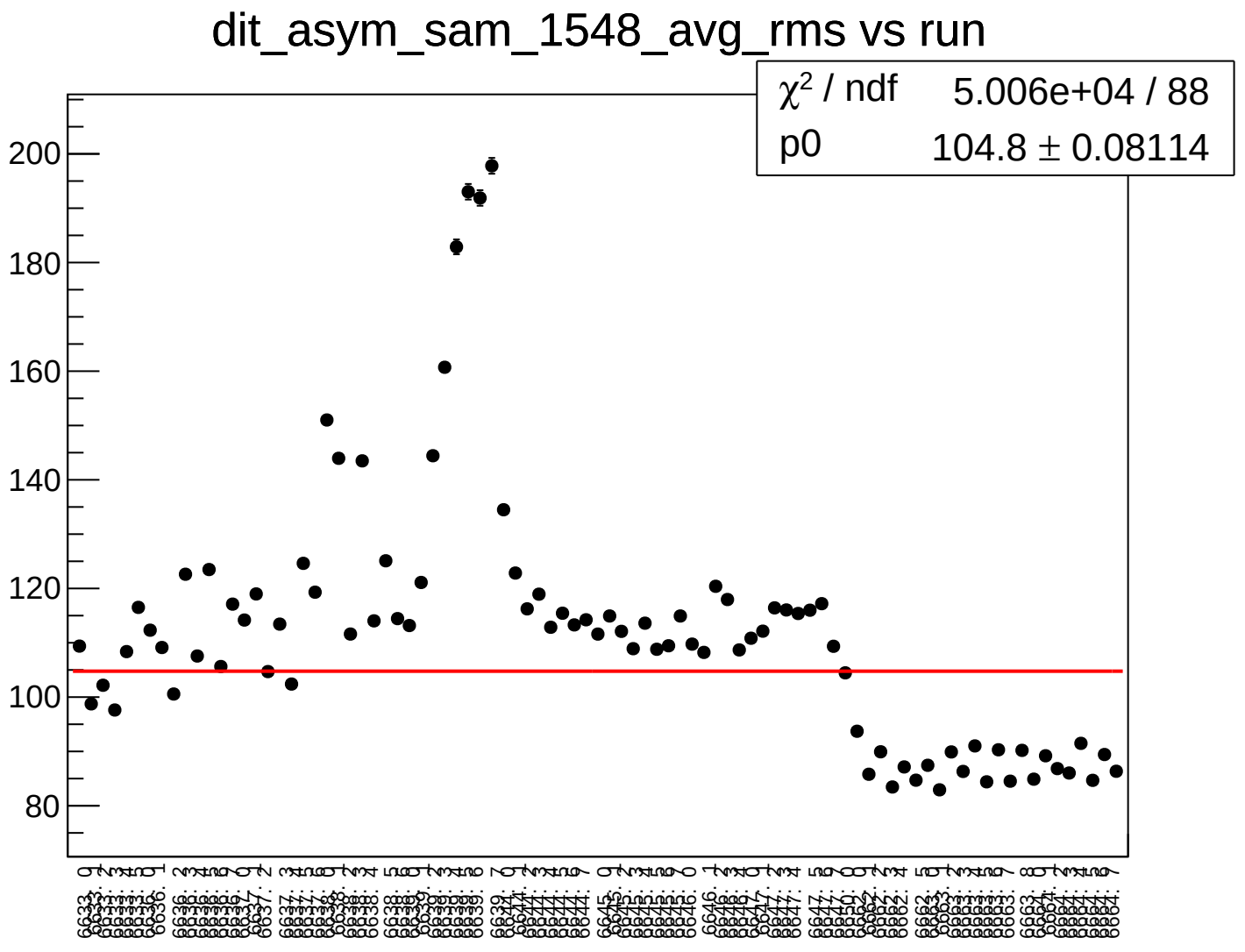

asym_sam_26_48_dd_mean vs run
χ² / ndf 92.61 / 88
p0 −883.7 ± 464.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 89
Mean −37.06
Std Dev 86.38
2
1
0
−1
−2

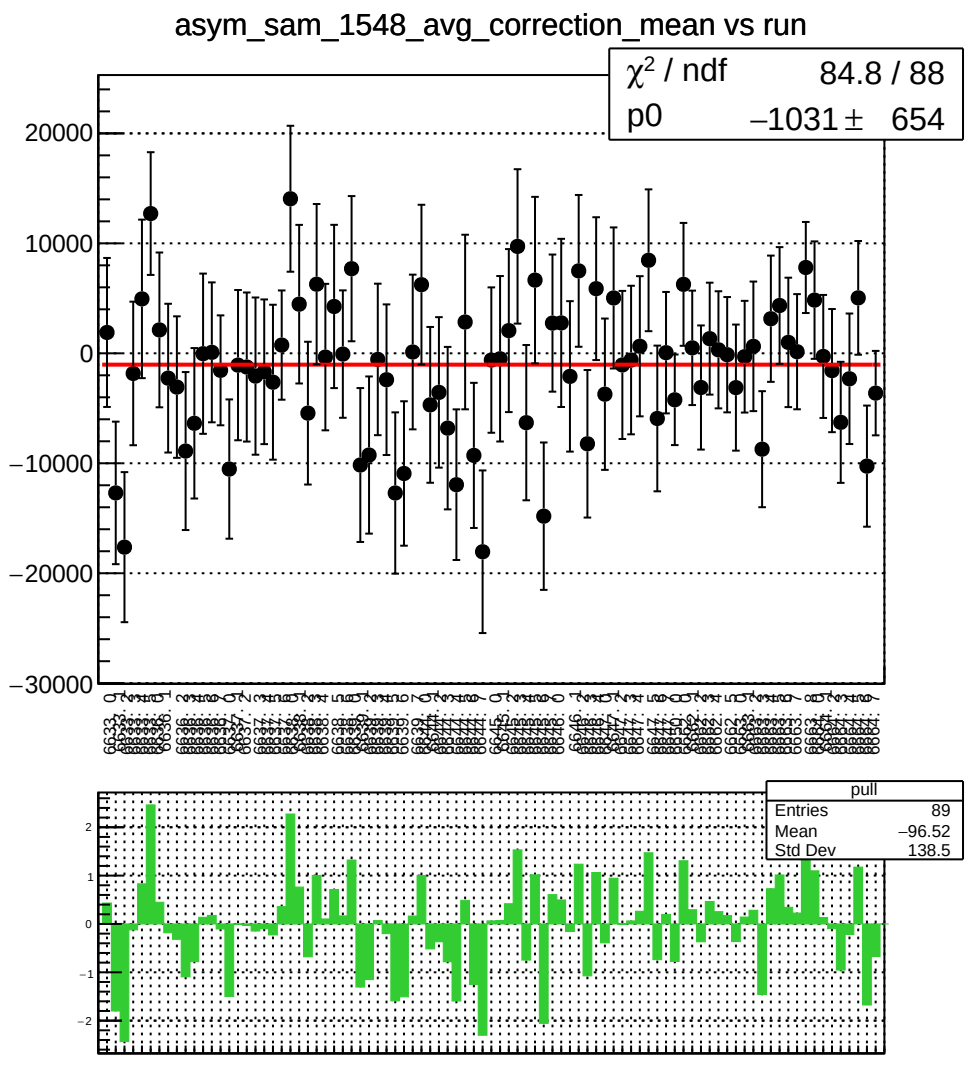

pull1D
Entries 89
Mean −0.03116
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

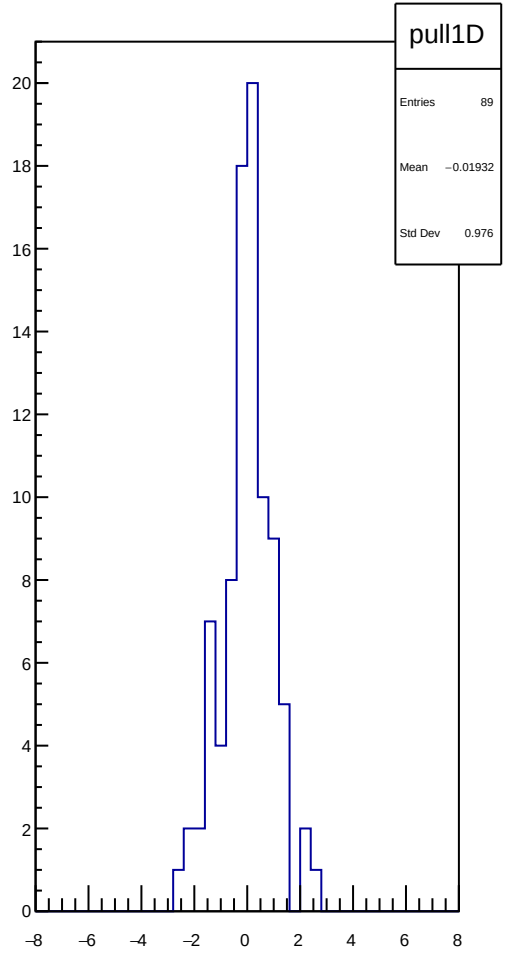

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 5.632e+04 / 88
p0 423 ± 0.3282
600
550
500
450
400
350
300

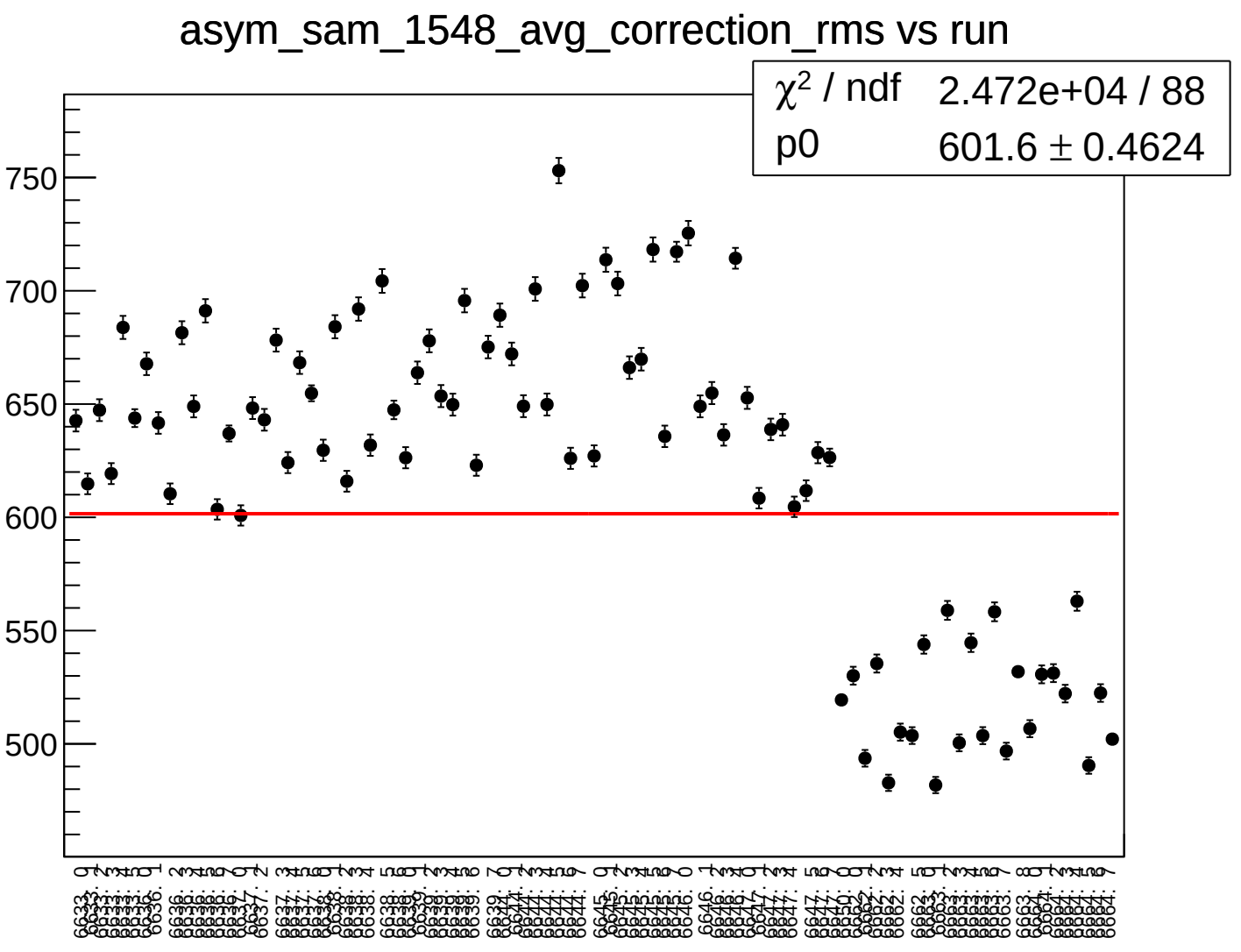

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 85.75 / 88
p0 12.66 ± 114.8
pull
Entries 89
Mean 706.5
Std Dev 724

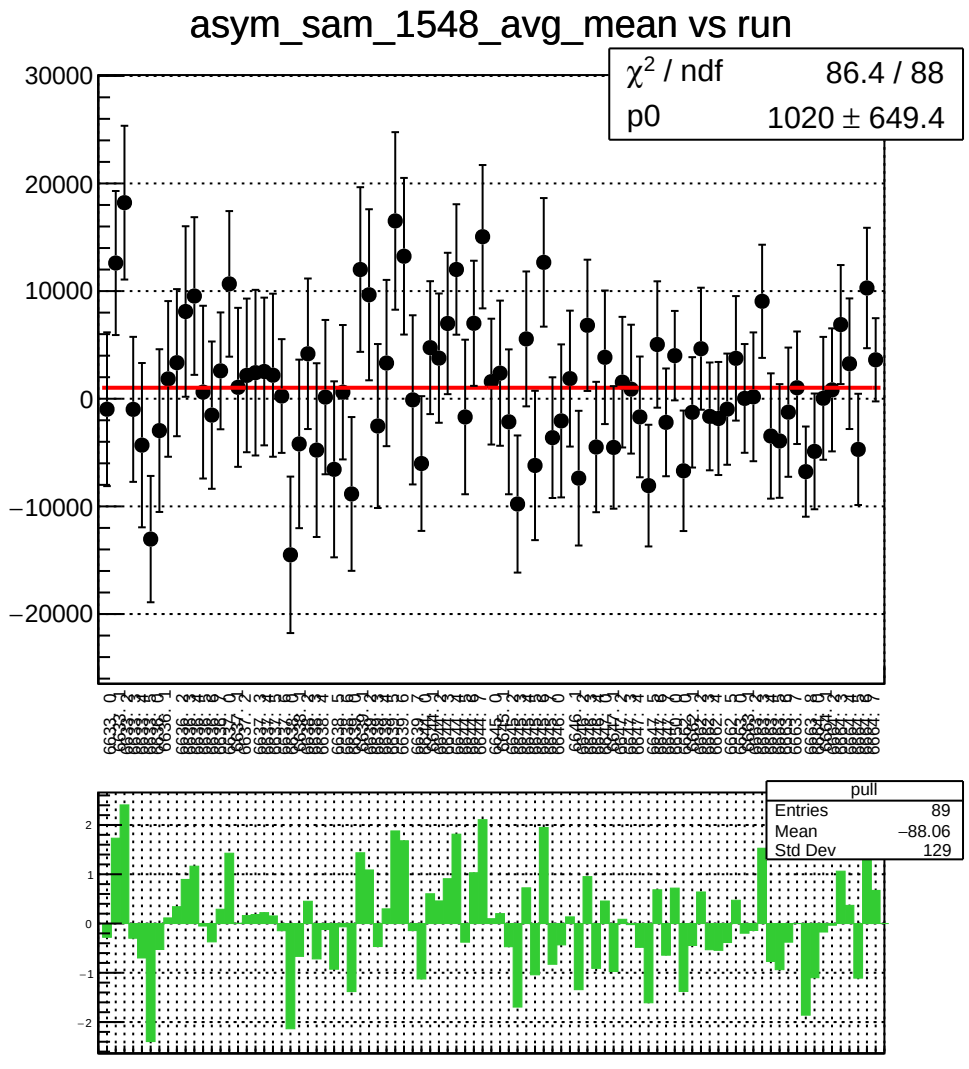

pull1D
Entries 89
Mean −0.000511
Std Dev 0.9816

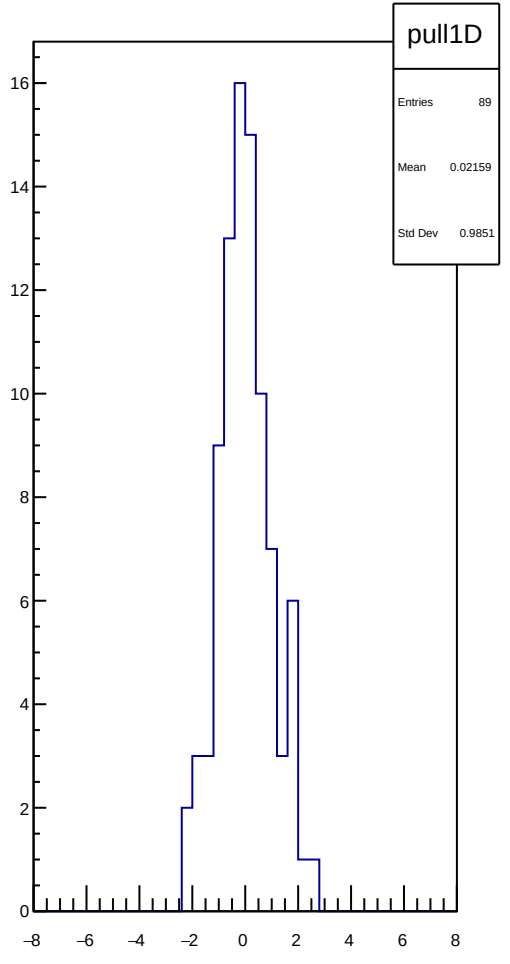

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 5.006e+04 / 88
p0 104.8 ± 0.08114
200
180
160
140
120
100
80

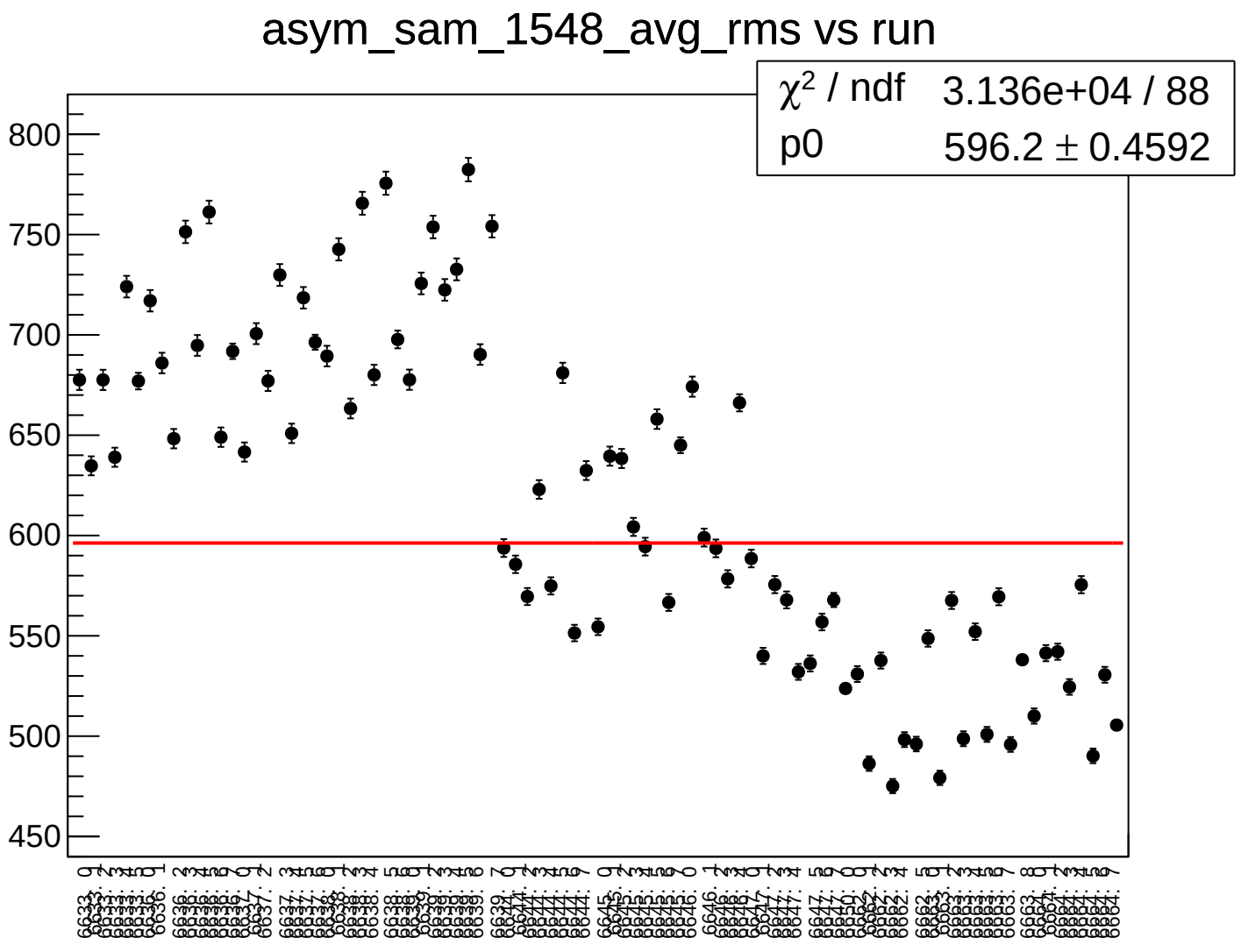

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 84.8 / 88
p0 −1031 ± 654
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −96.52
Std Dev 138.5
2
1
0
−1
−2

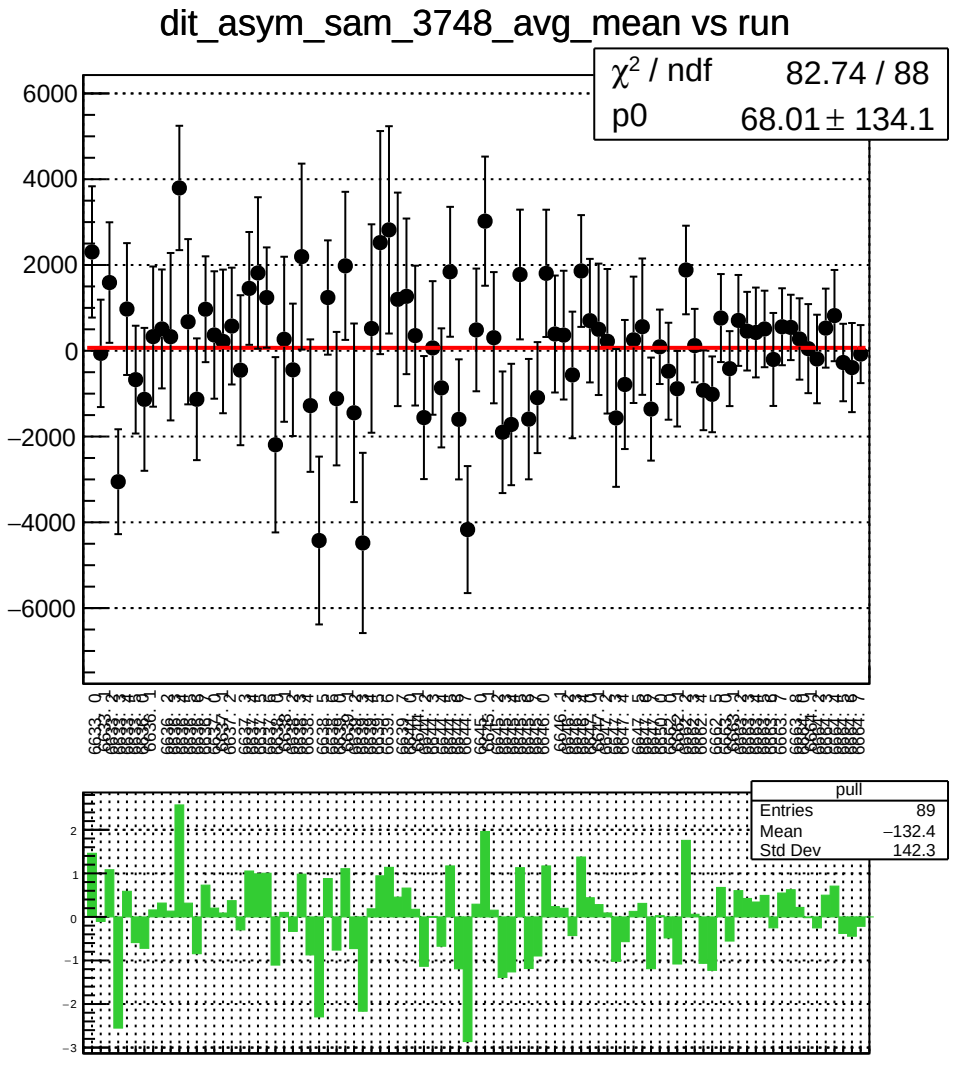

pull1D
Entries 89
Mean −0.01932
Std Dev 0.976
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

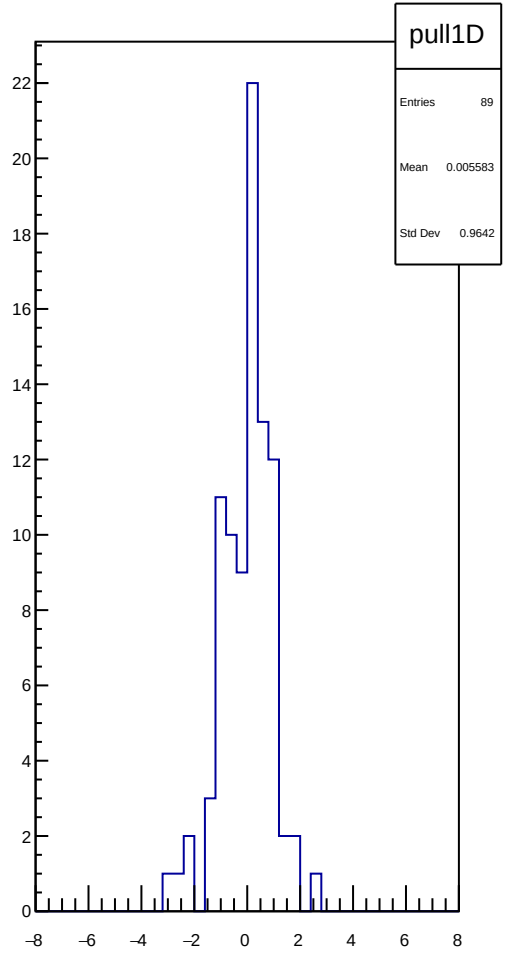

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2.472e+04 / 88
p0 601.6 ± 0.4624
750
700
650
600
550
500

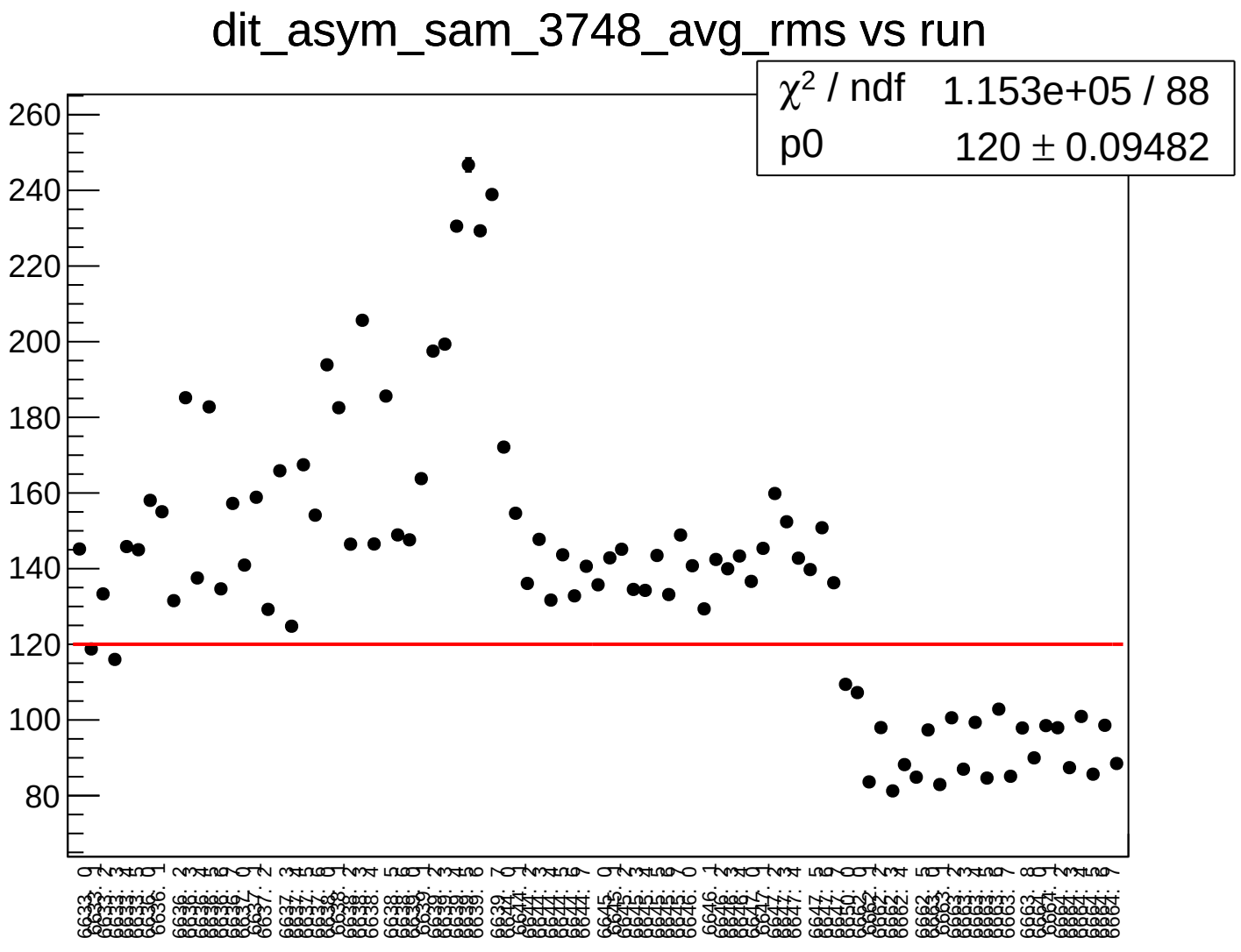

asym_sam_1548_avg_mean vs run
χ² / ndf 86.4 / 88
p0 1020 ± 649.4
30000
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −88.06
Std Dev 129
2
1
0
−1
−2

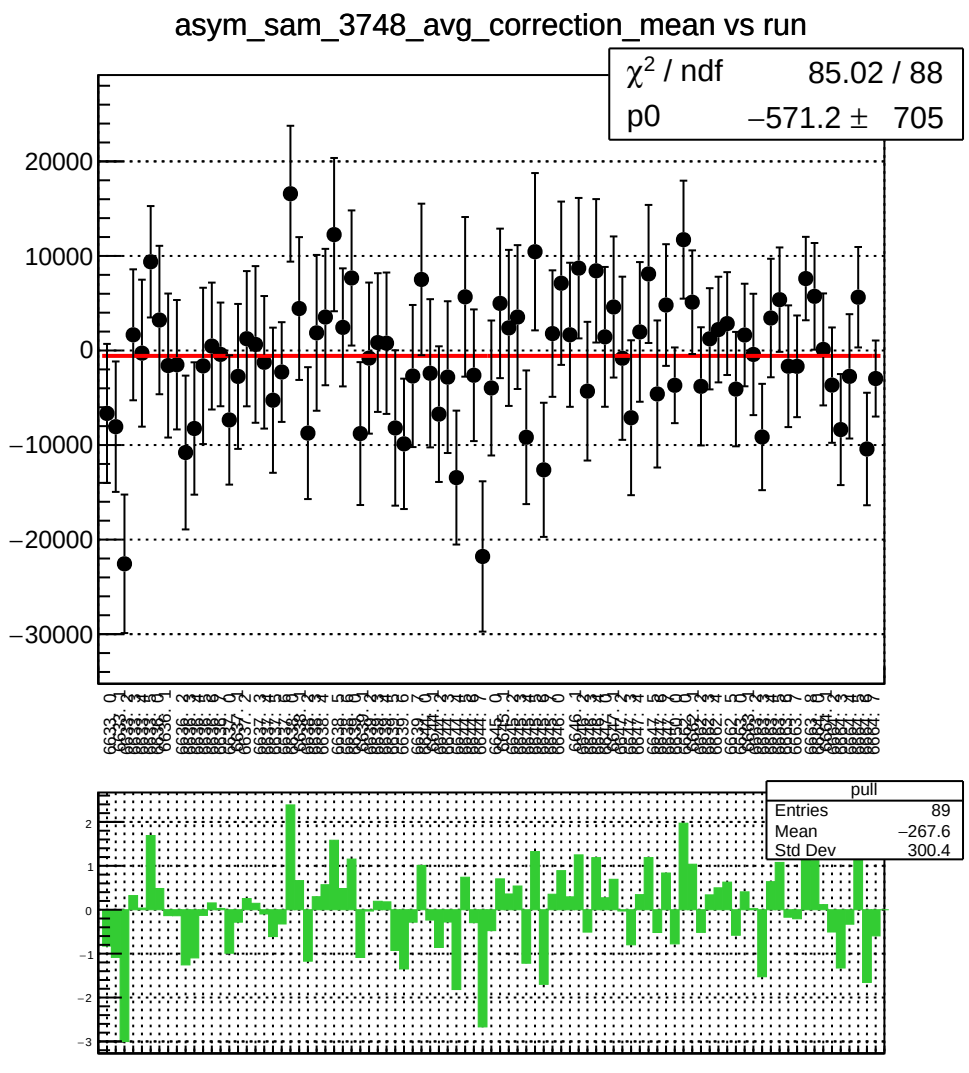

pull1D
Entries 89
Mean 0.02159
Std Dev 0.9851
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

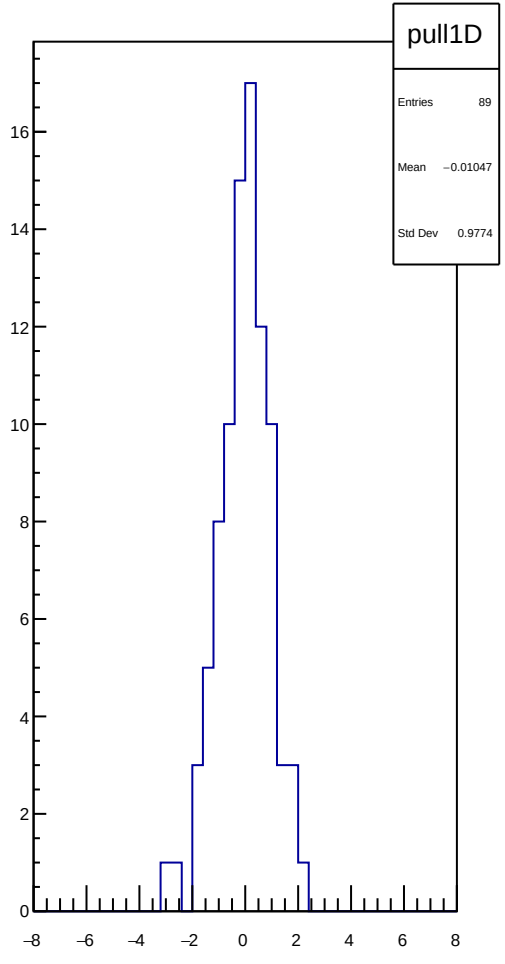

asym_sam_1548_avg_rms vs run
χ^2 / ndf 3.136e+04 / 88
p0 596.2 ± 0.4592
800
750
700
650
600
550
500
450

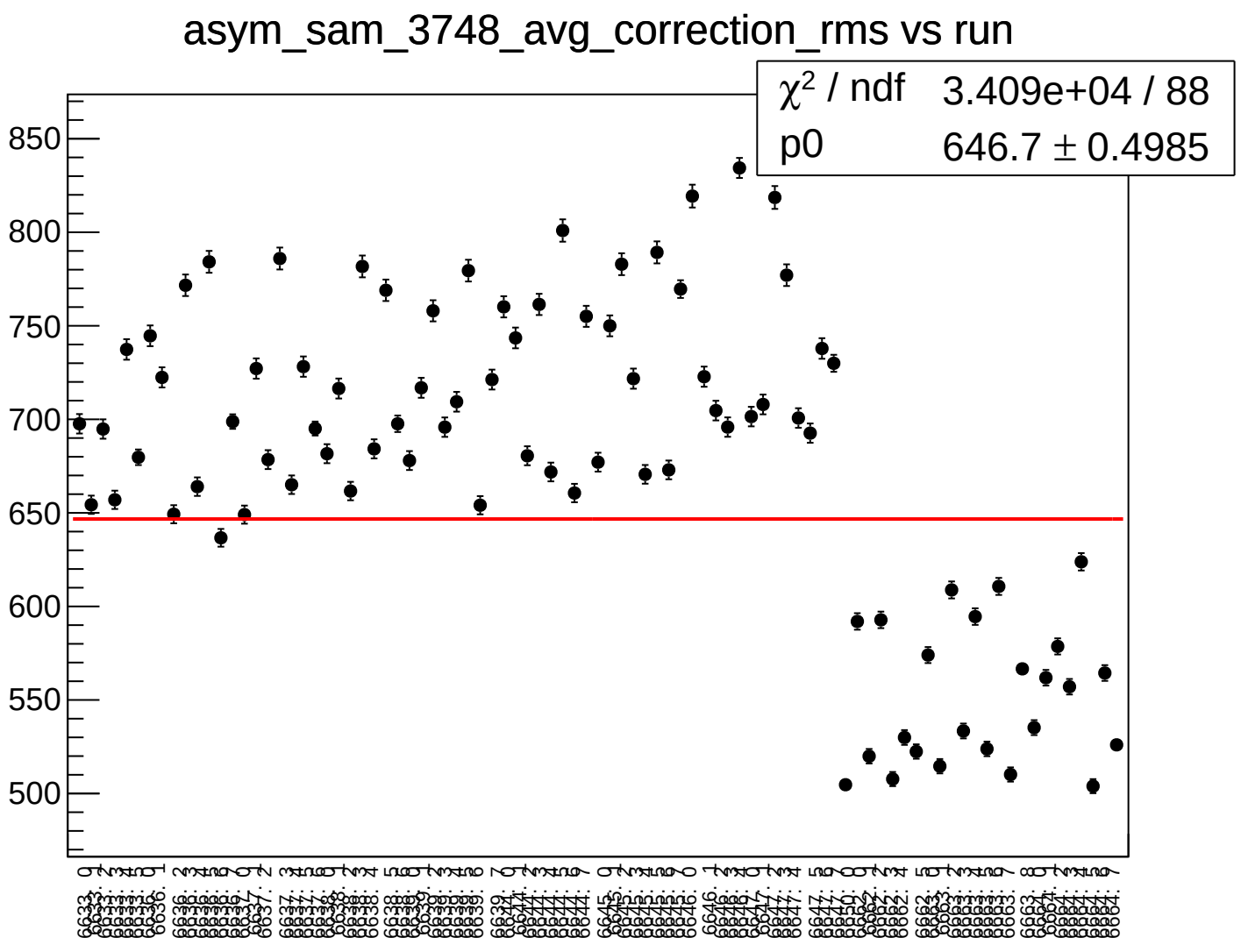

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 82.74 / 88
p0 68.01 ± 134.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −132.4
Std Dev 142.3
2
1
0
−1
−2
−3

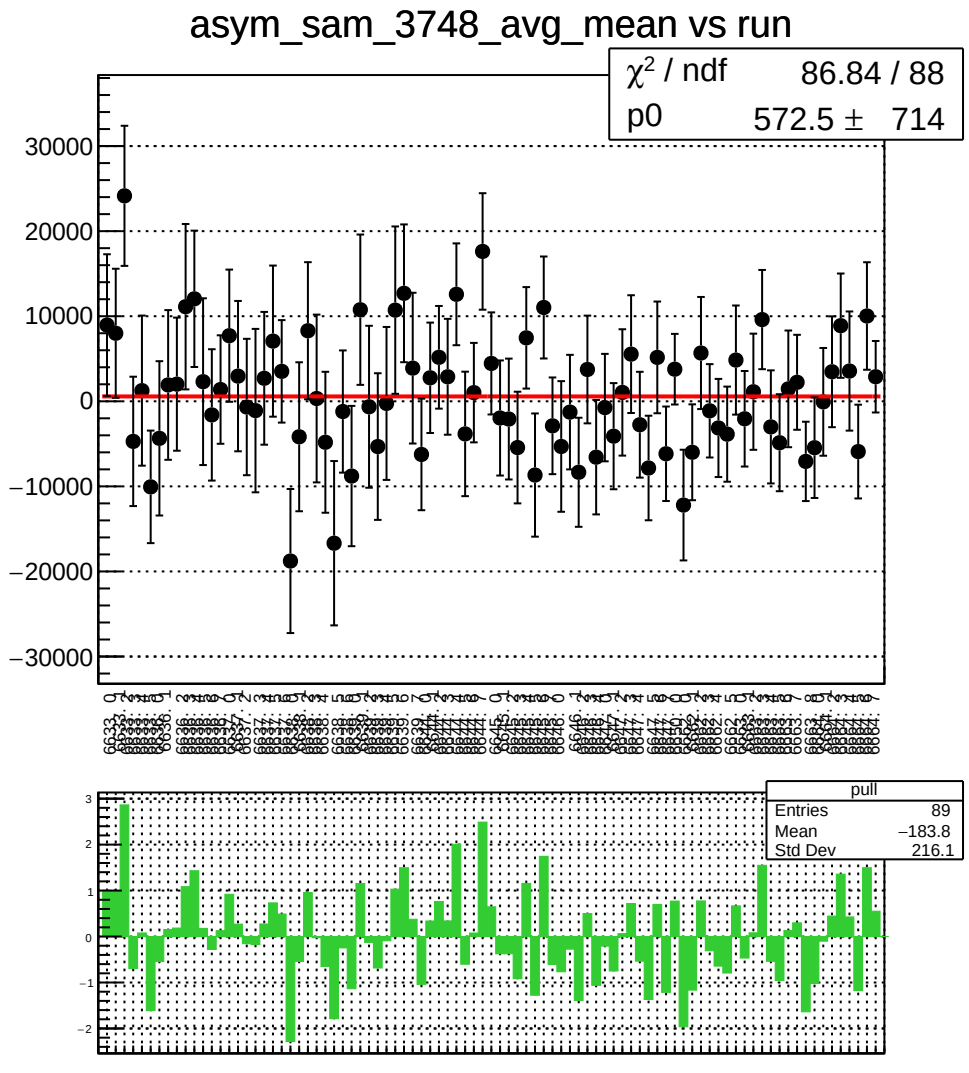

pull1D
Entries 89
Mean 0.005583
Std Dev 0.9642
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

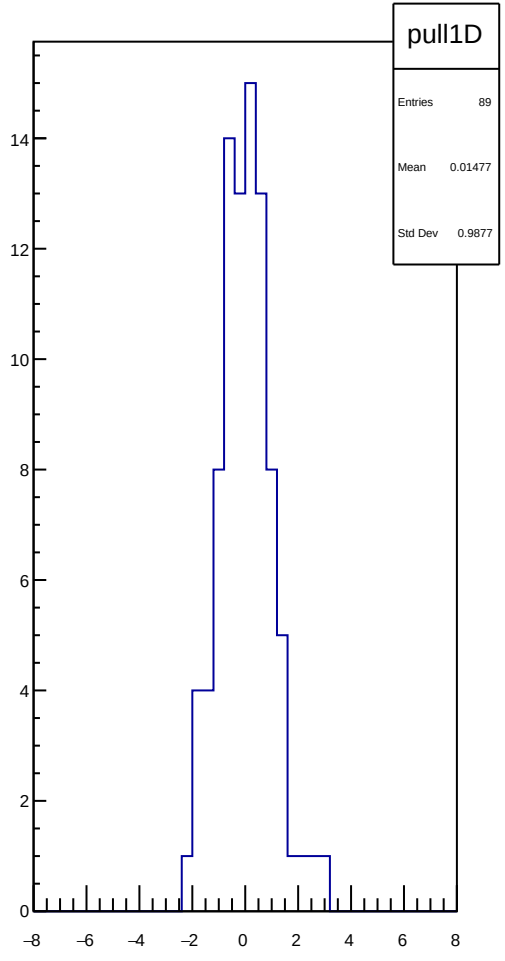

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.153e+05 / 88
p0 120 ± 0.09482
260
240
220
200
180
160
140
120
100
80

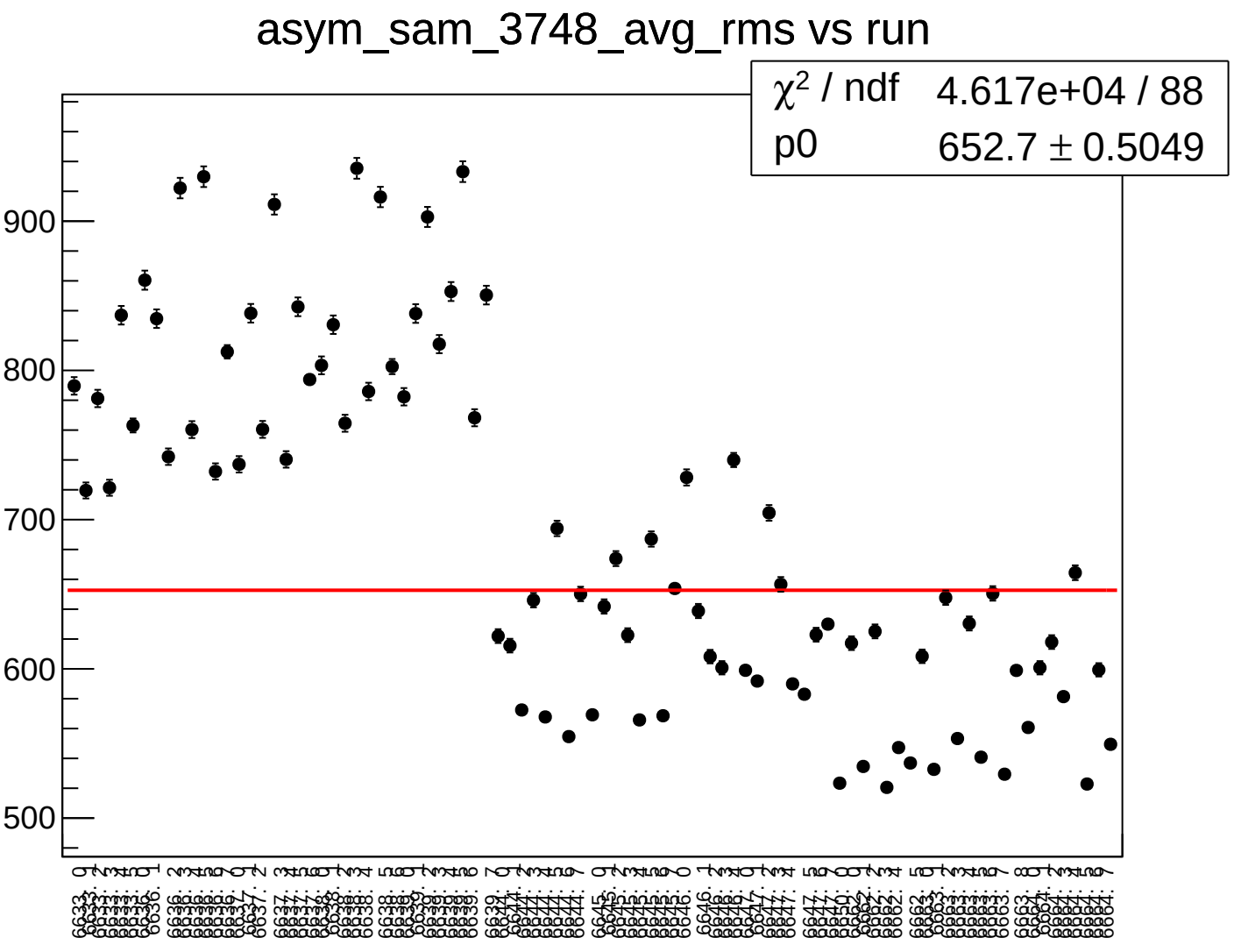

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 85.02 / 88
p0 −571.2 ± 705
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −267.6
Std Dev 300.4
2
1
0
−1
−2
−3

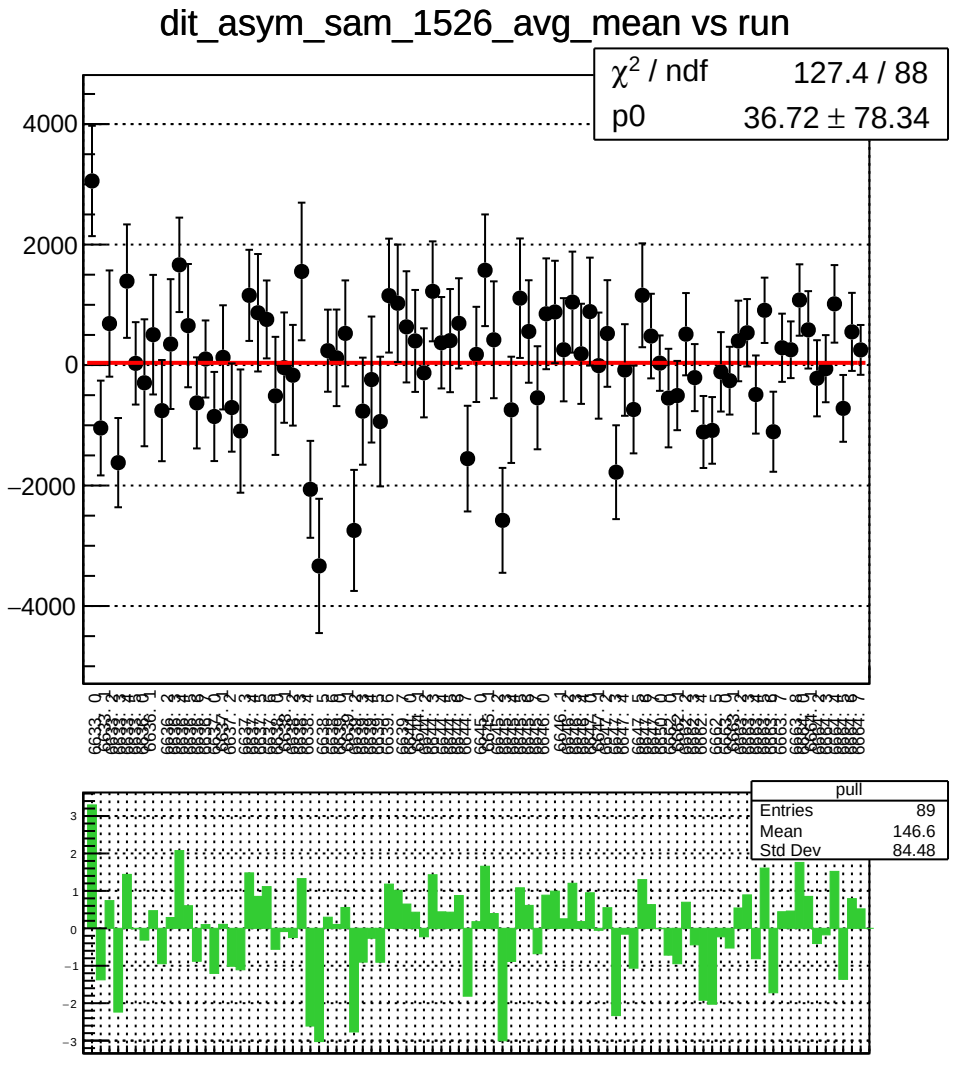

pull1D
Entries 89
Mean −0.01047
Std Dev 0.9774
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

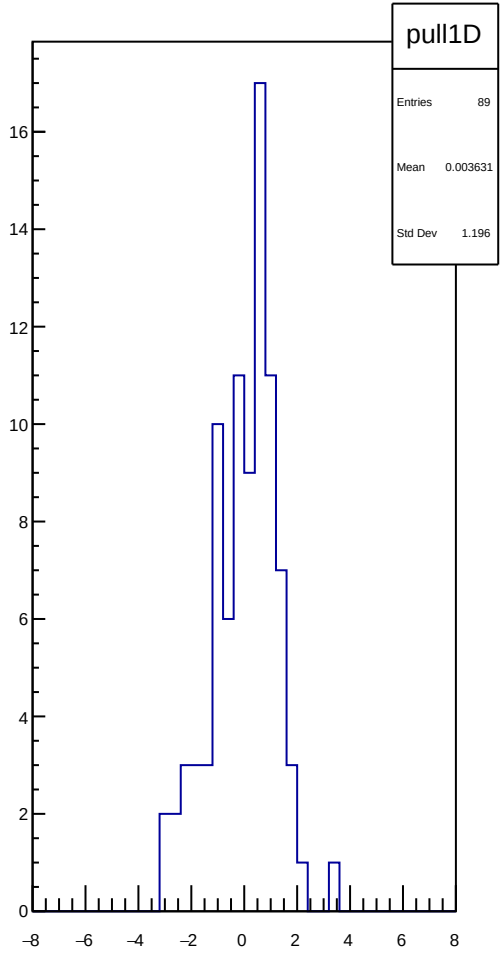

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3.409e+04 / 88
p0 646.7 ± 0.4985
850
800
750
700
650
600
550
500

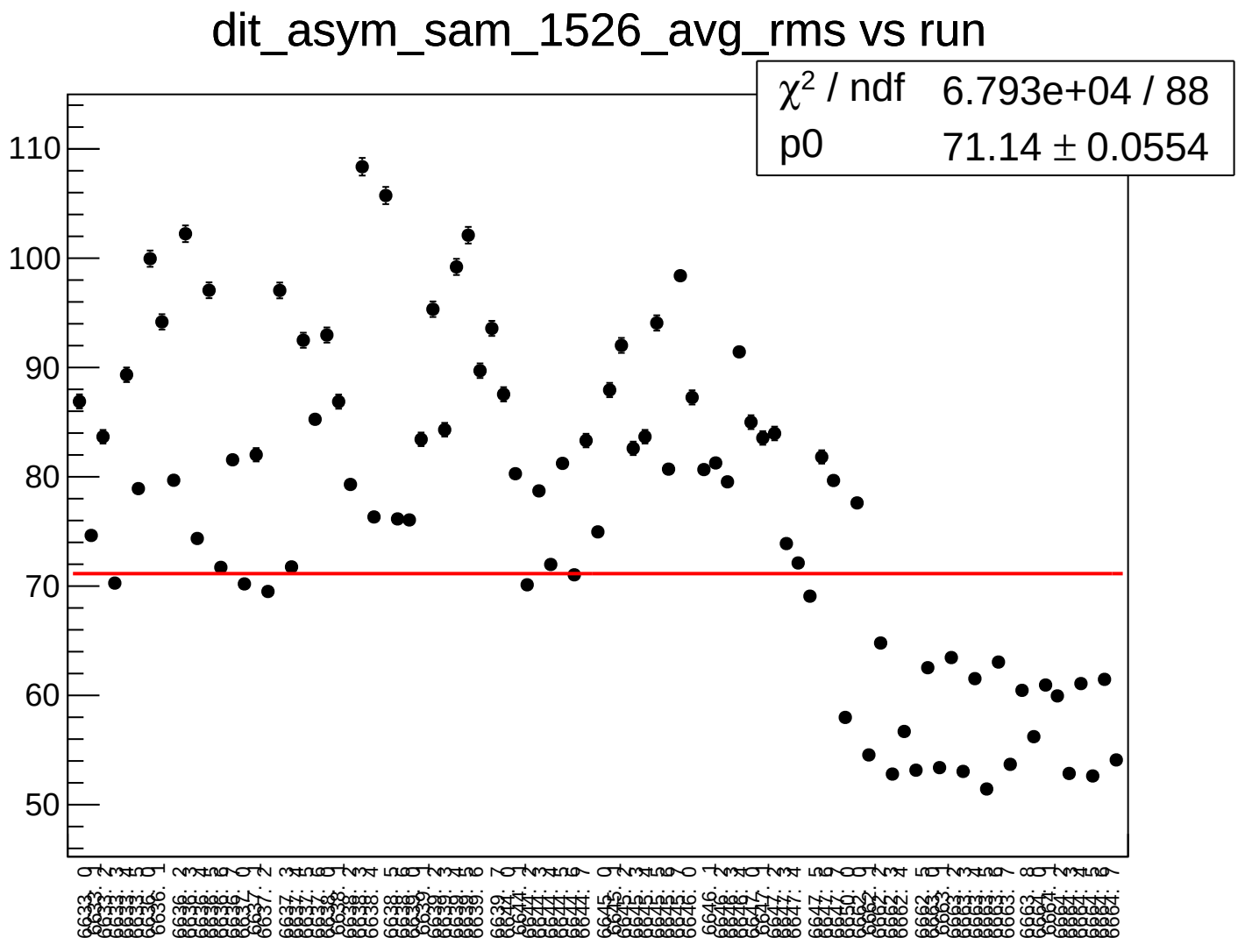

asym_sam_3748_avg_mean vs run
χ² / ndf 86.84 / 88
p0 572.5 ± 714
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −183.8
Std Dev 216.1
3
2
1
0
−1
−2

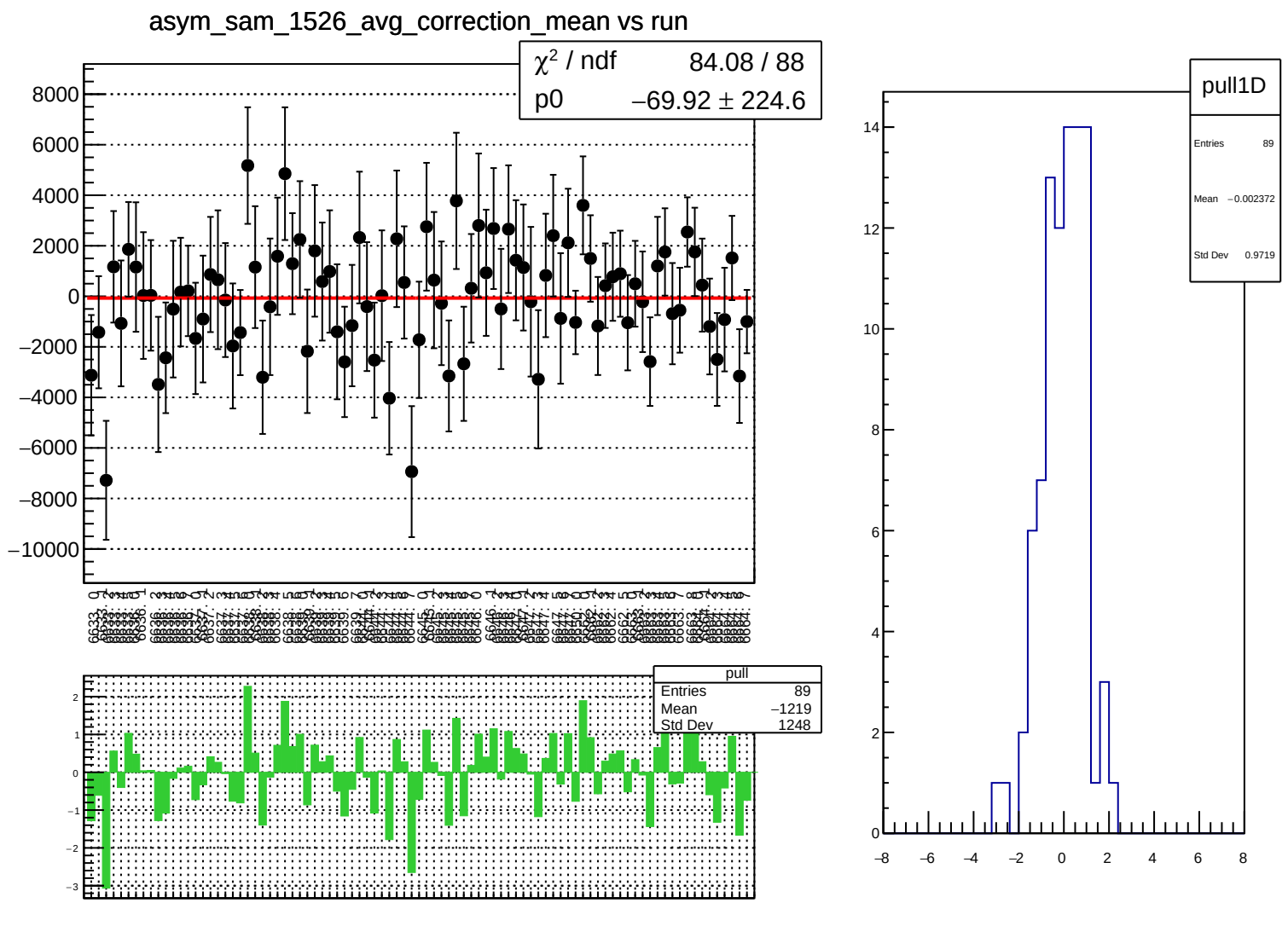

pull1D
Entries 89
Mean 0.01477
Std Dev 0.9877
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

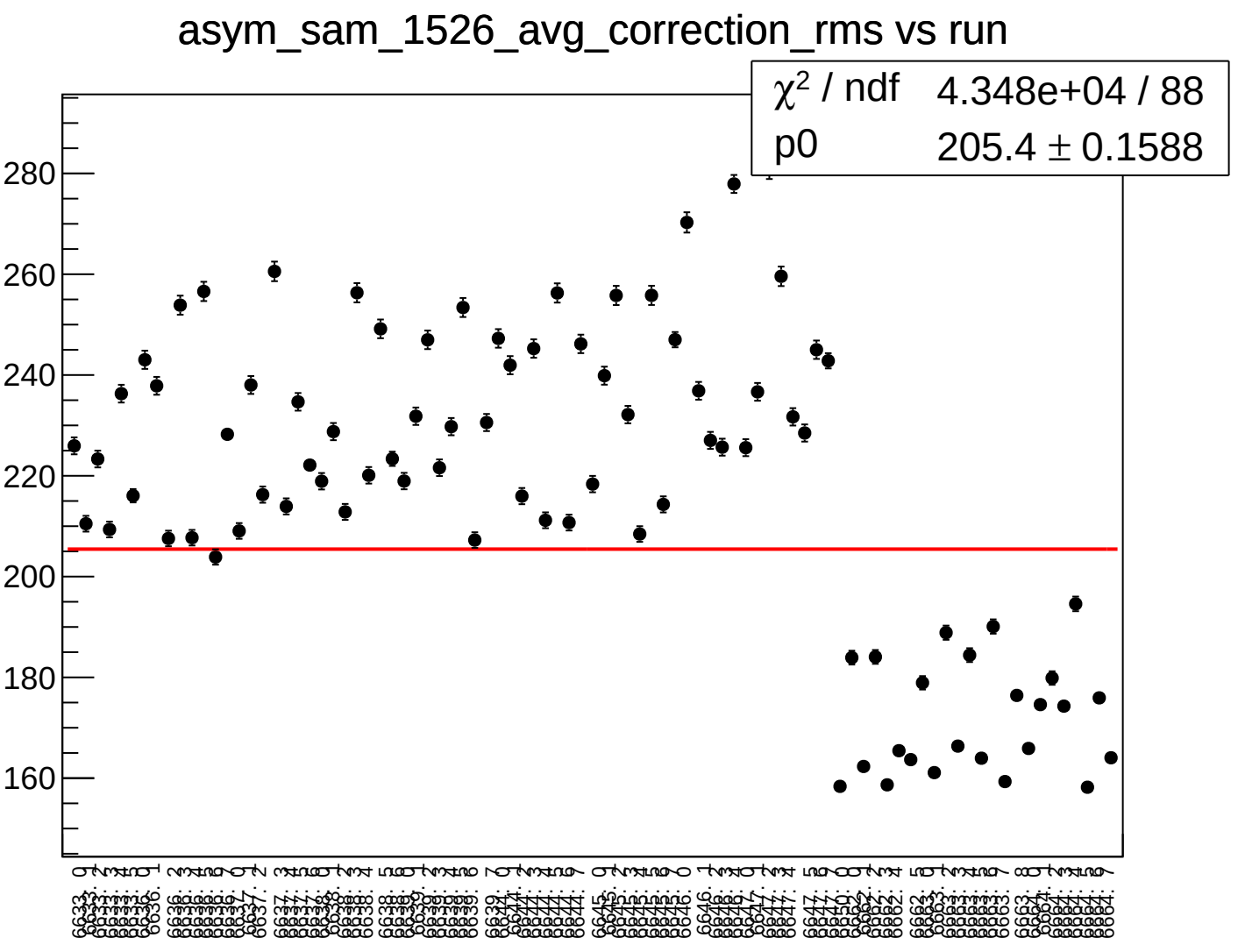

asym_sam_3748_avg_rms vs run
χ² / ndf 4.617e+04 / 88
p0 652.7 ± 0.5049
900
800
700
600
500

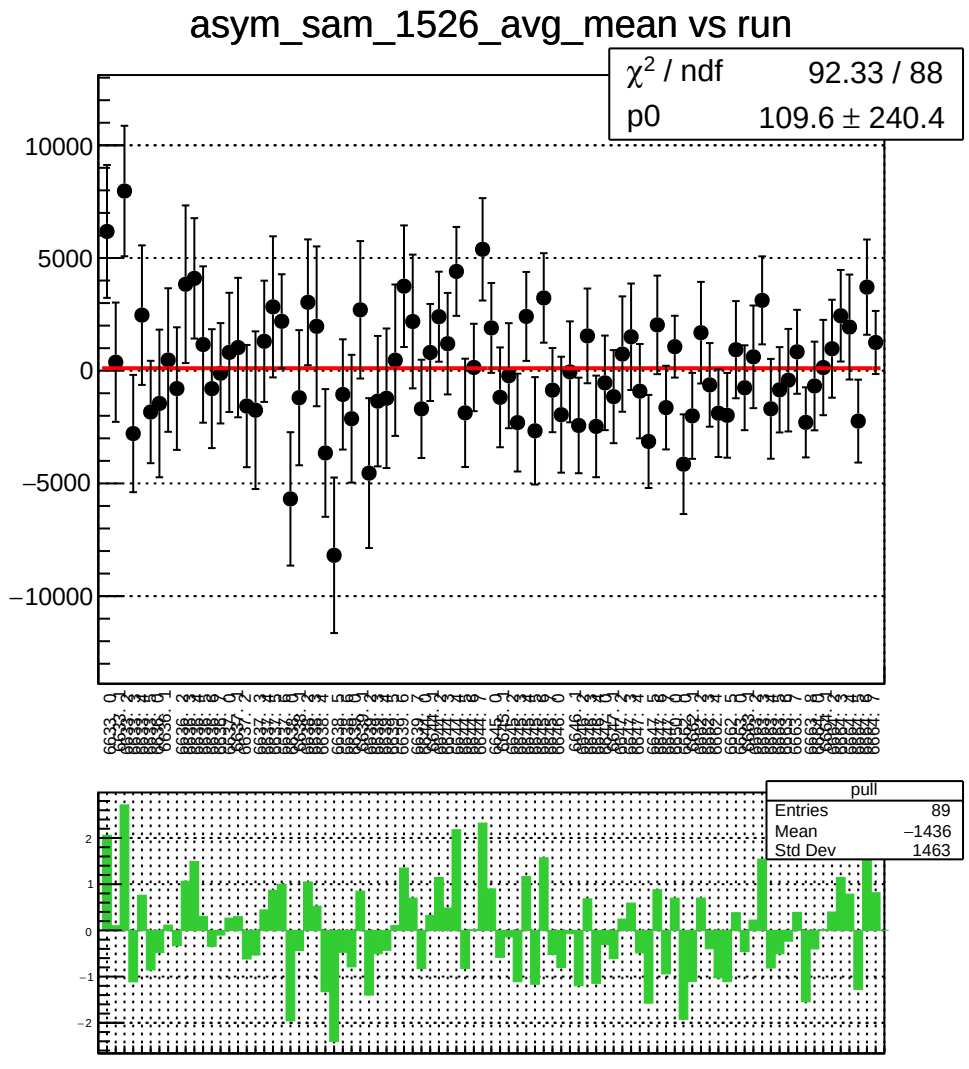

dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 127.4 / 88
p0 36.72 ± 78.34
4000
2000
0
−2000
−4000
pull
Entries 89
Mean 146.6
Std Dev 84.48
3
2
1
0
−1
−2
−3

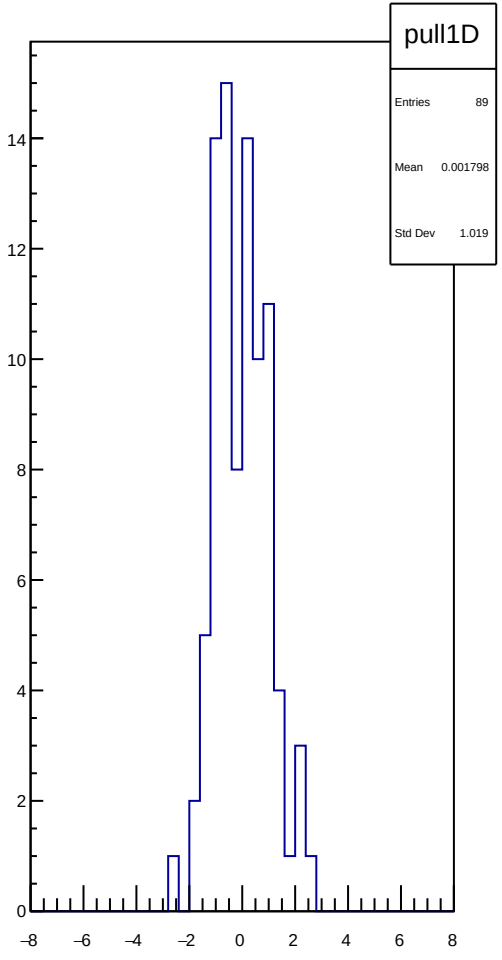

pull1D
Entries 89
Mean 0.003631
Std Dev 1.196
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

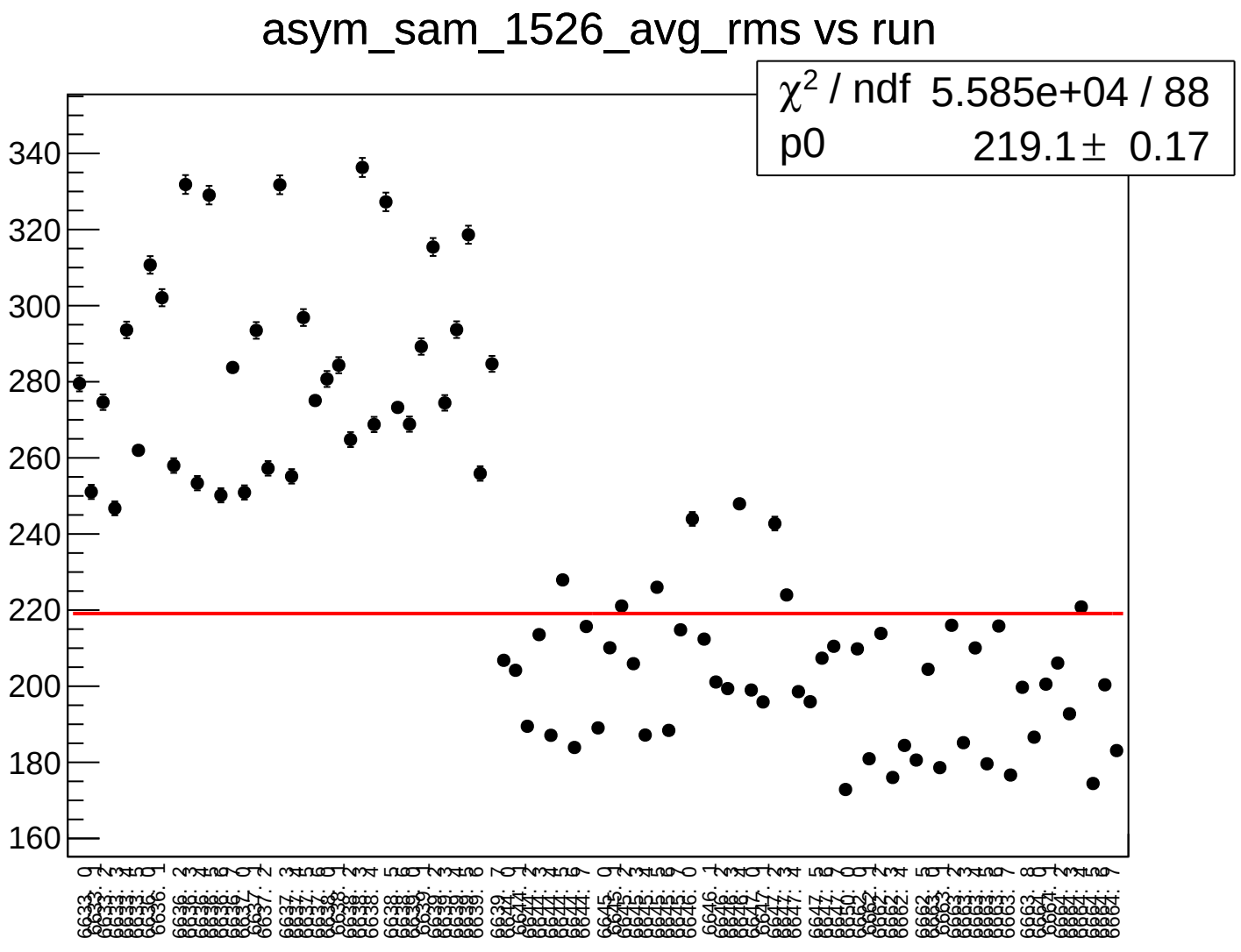

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6.793e+04 / 88
p0 71.14 ± 0.0554
110
100
90
80
70
60
50

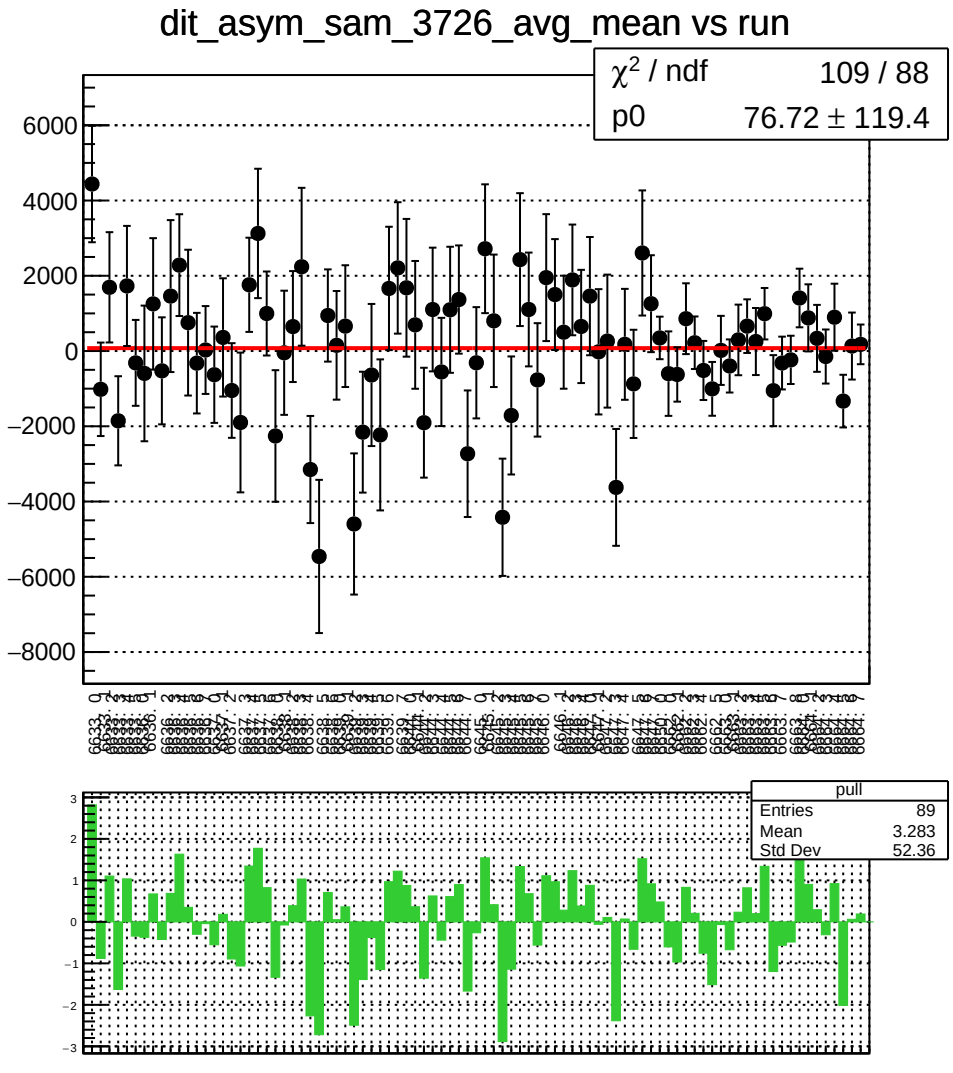

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 84.08 / 88
p0 −69.92 ± 224.6
pull
Entries 89
Mean −1219
Std Dev 1248
pull1D
Entries 89
Mean −0.002372
Std Dev 0.9719

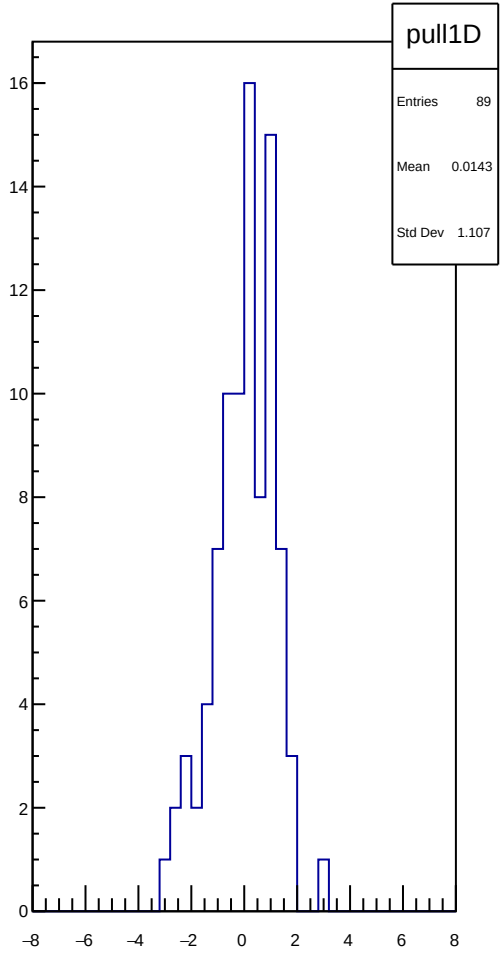

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 4.348e+04 / 88
p0 205.4 ± 0.1588
280
260
240
220
200
180
160

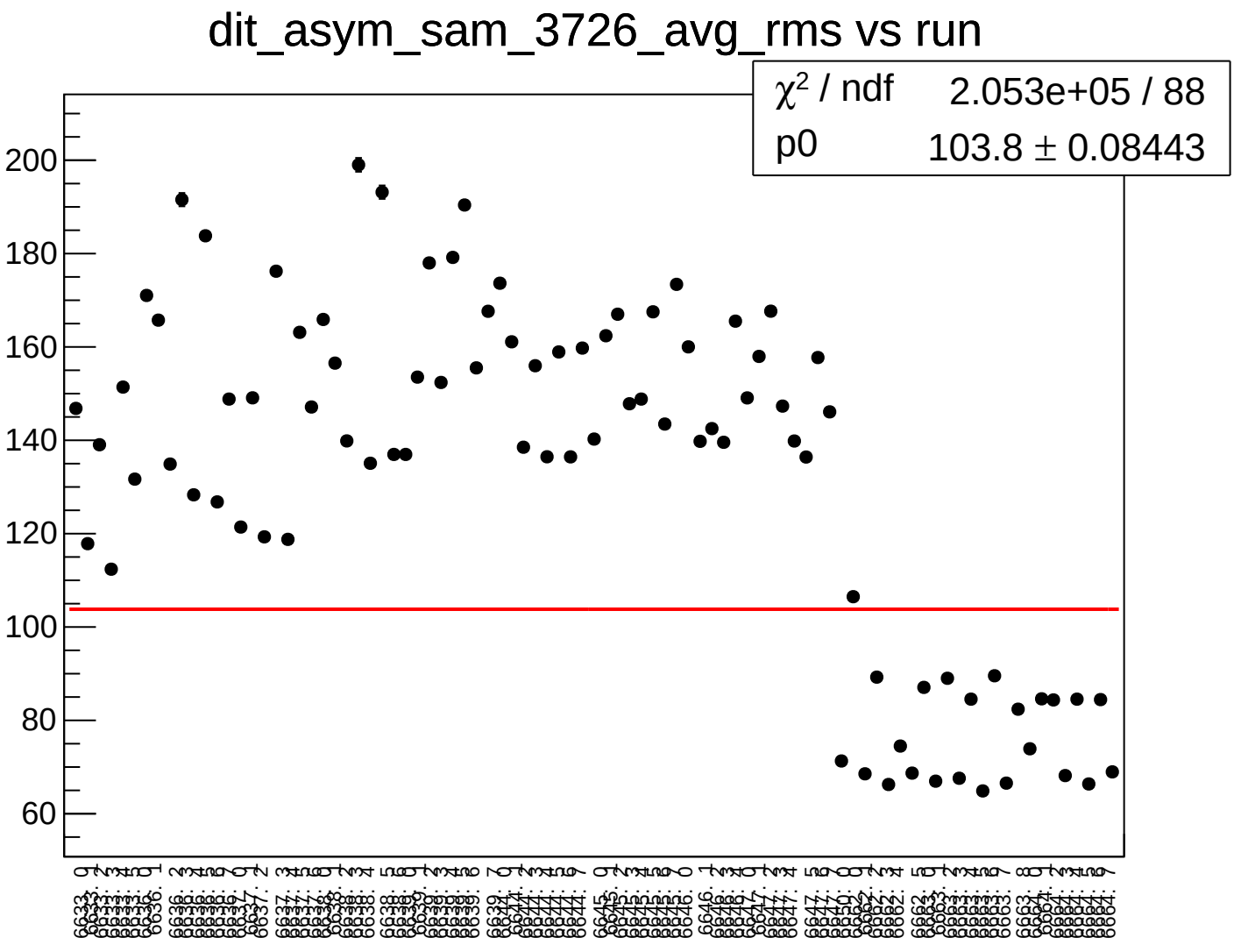

asym_sam_1526_avg_mean vs run
χ² / ndf 92.33 / 88
p0 109.6 ± 240.4
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −1436
Std Dev 1463
2
1
0
−1
−2

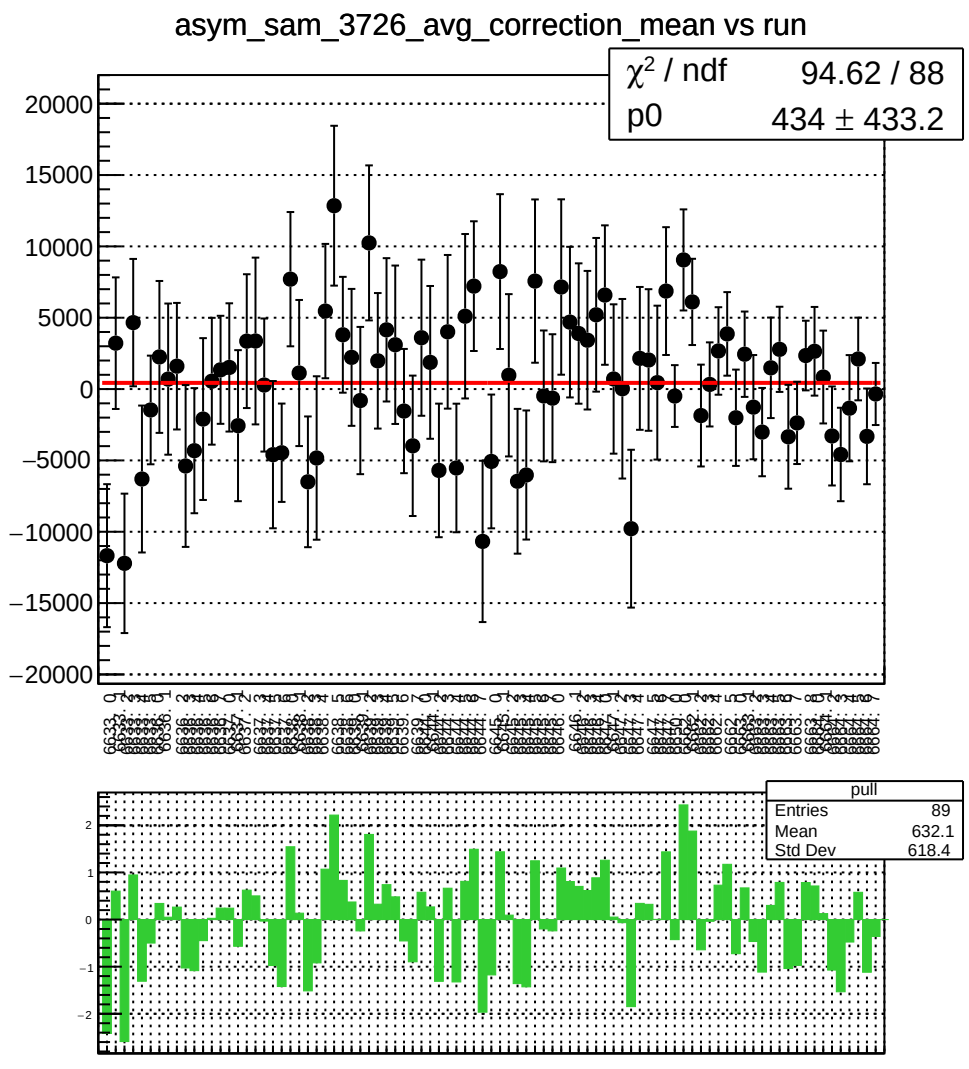

pull1D
Entries 89
Mean 0.001798
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

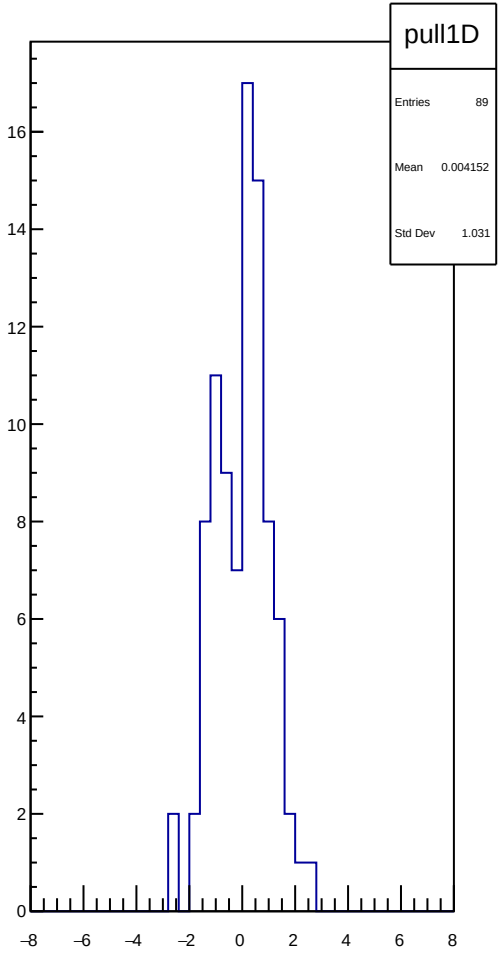

asym_sam_1526_avg_rms vs run
χ² / ndf 5.585e+04 / 88
p0 219.1 ± 0.17
340
320
300
280
260
240
220
200
180
160

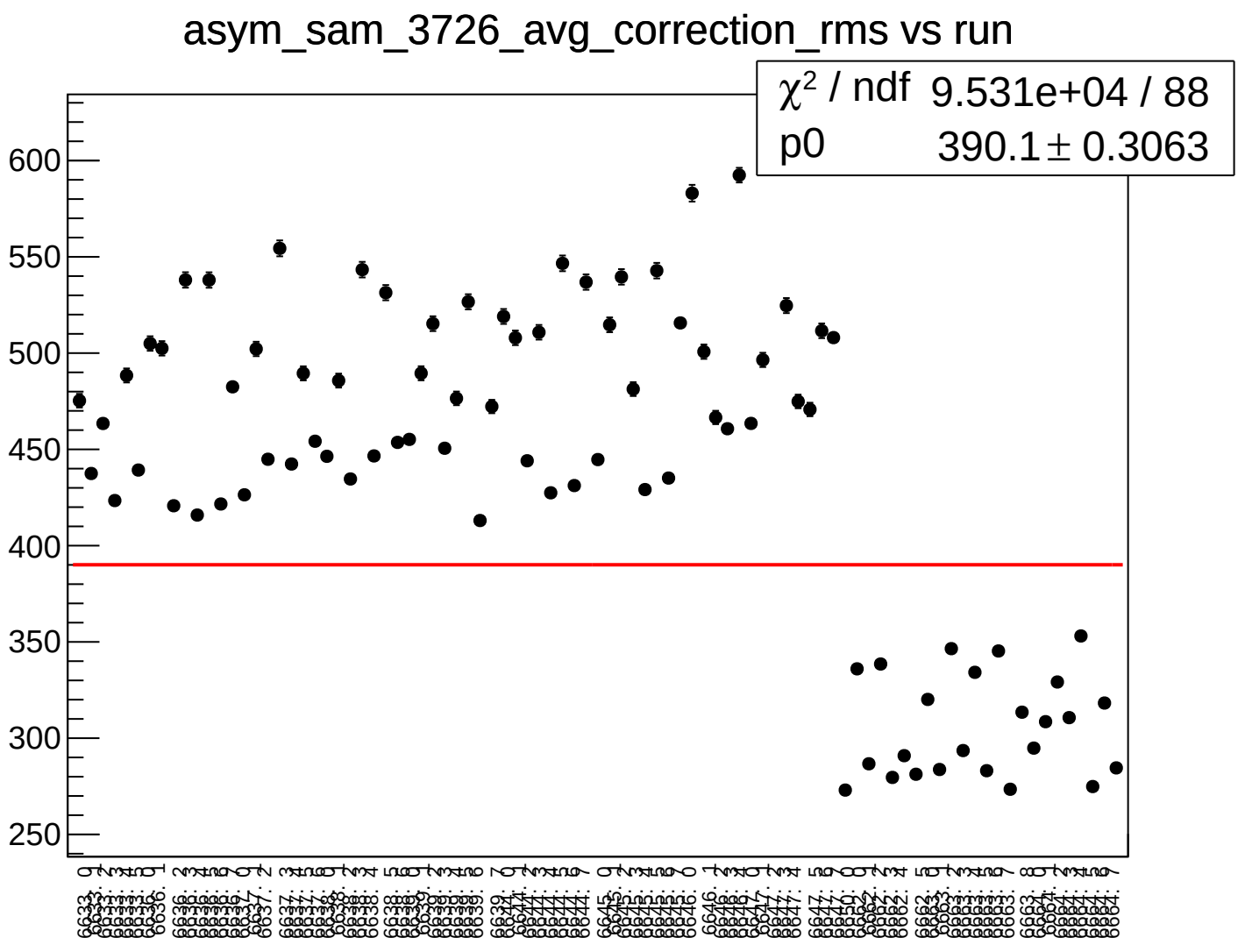

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 109 / 88
p0 76.72 ± 119.4
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 89
Mean 3.283
Std Dev 52.36
3
2
1
0
−1
−2
−3

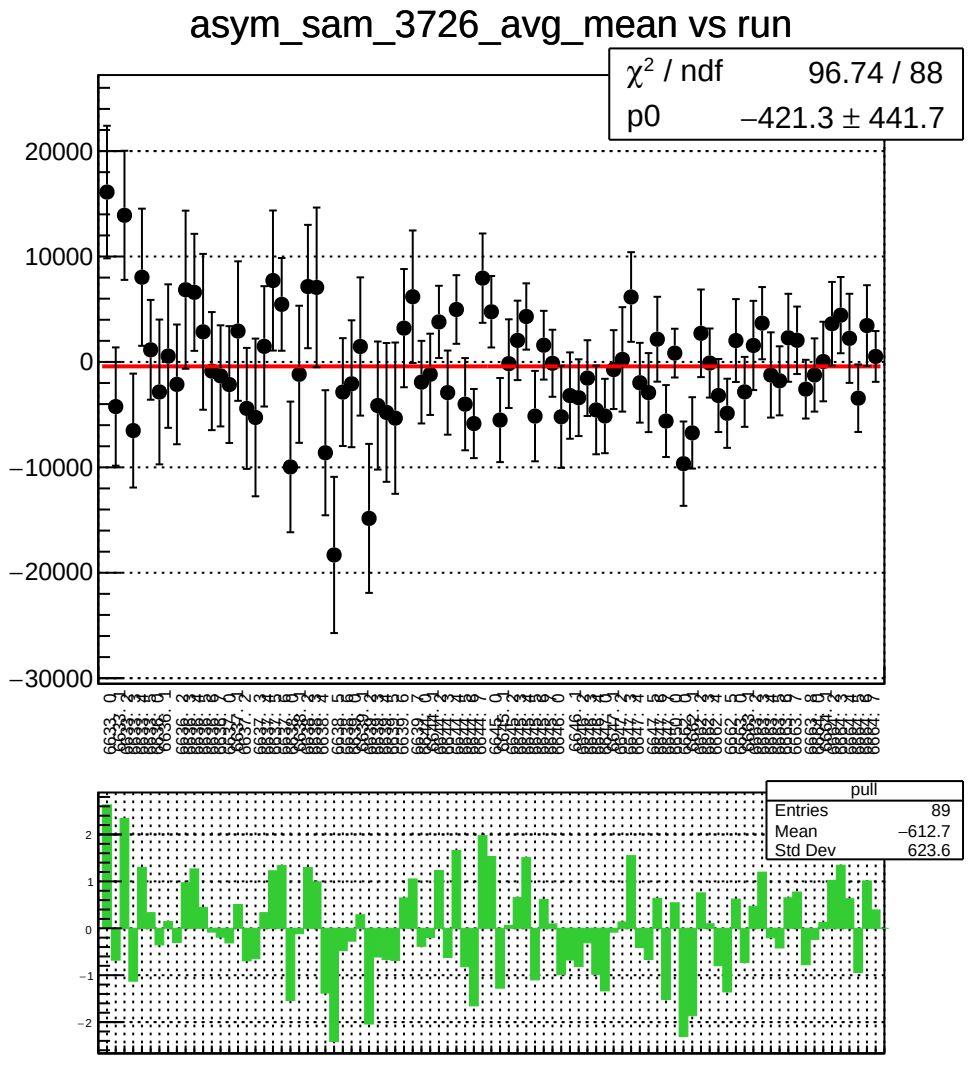

pull1D
Entries 89
Mean 0.0143
Std Dev 1.107
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

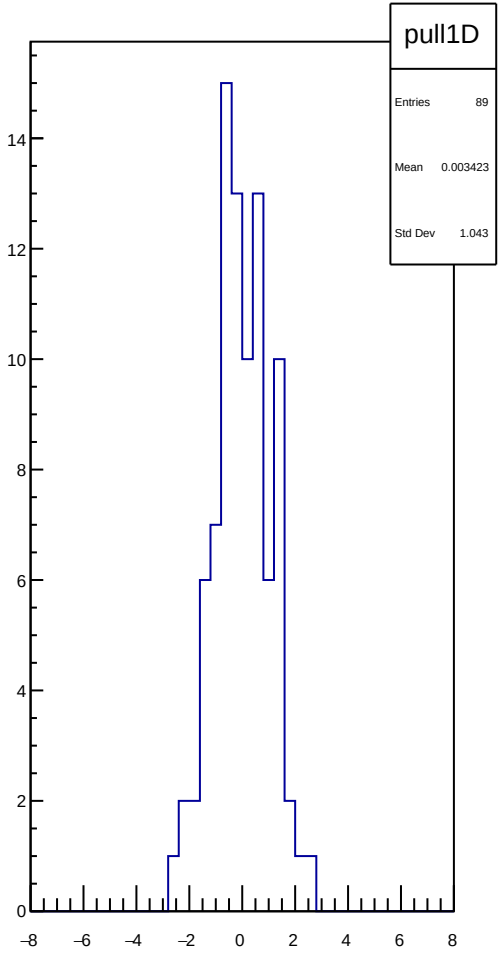

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.053e+05 / 88
p0 103.8 ± 0.08443
200
180
160
140
120
100
80
60

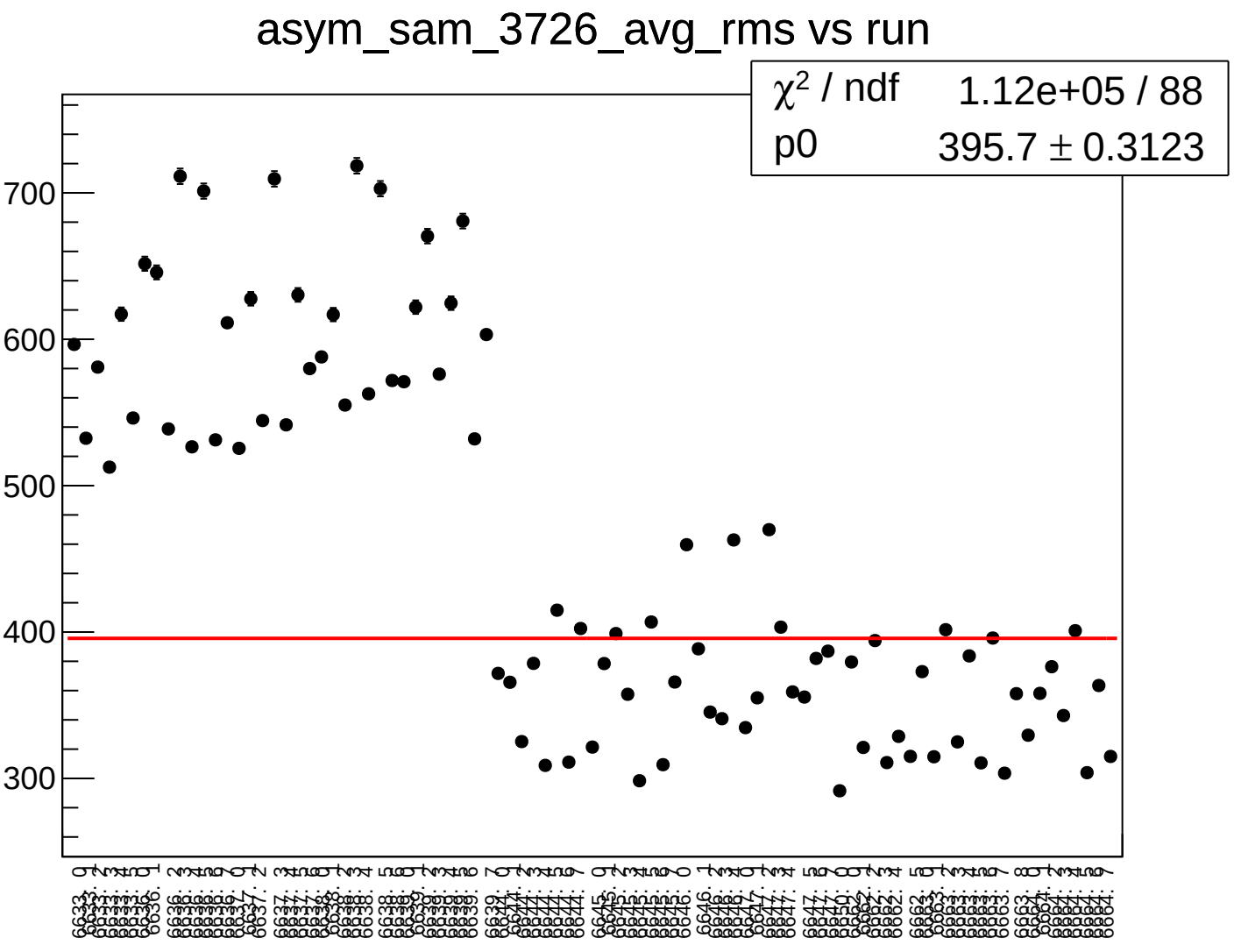

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 94.62 / 88
p0 434 ± 433.2
pull
Entries 89
Mean 632.1
Std Dev 618.4

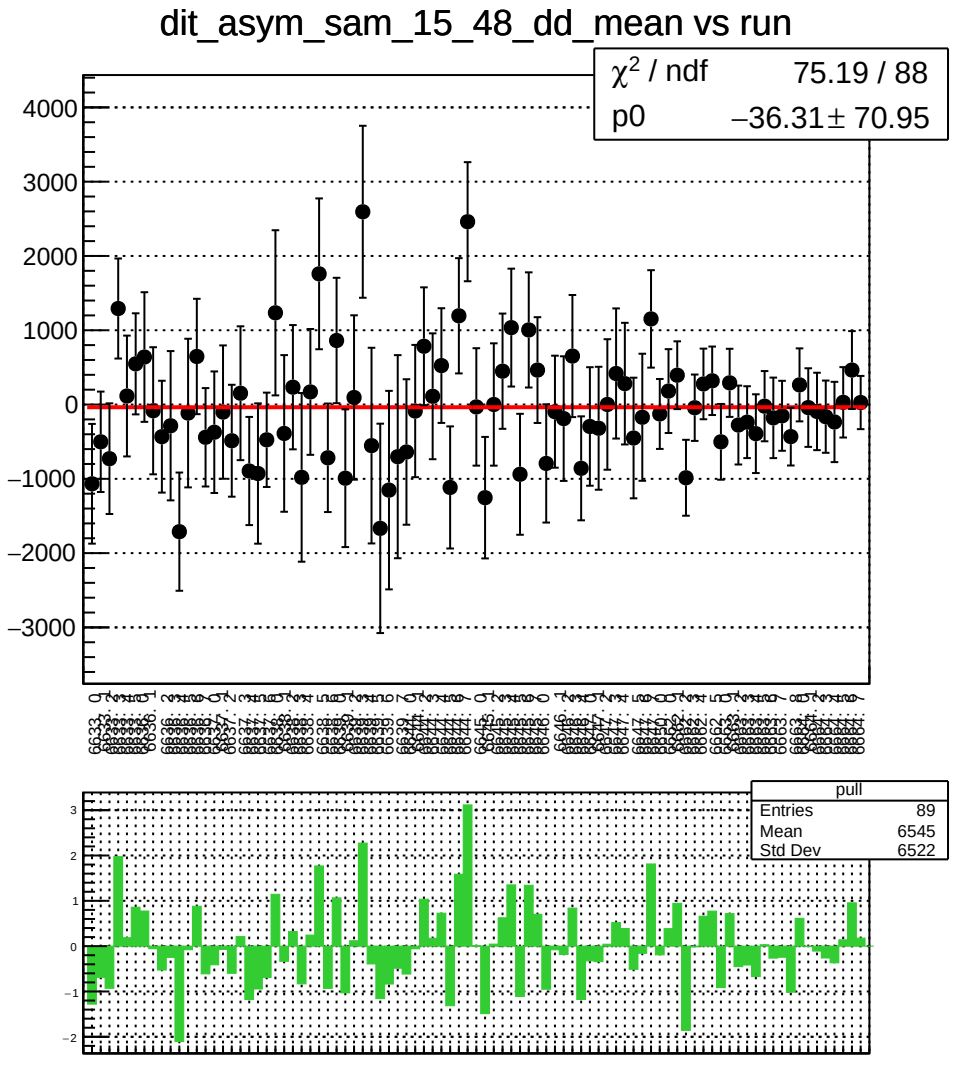

pull1D
Entries 89
Mean 0.004152
Std Dev 1.031

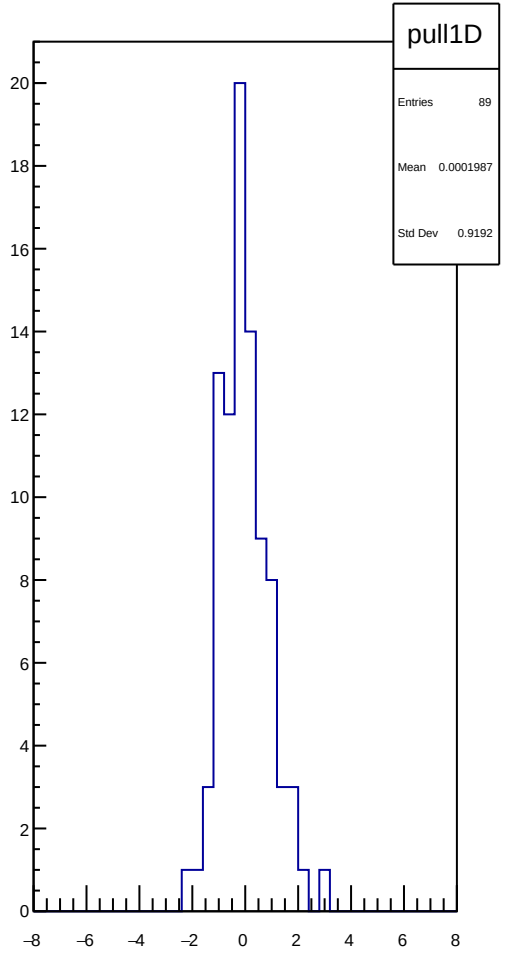

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 9.531e+04 / 88
p0 390.1 ± 0.3063
600
550
500
450
400
350
300
250

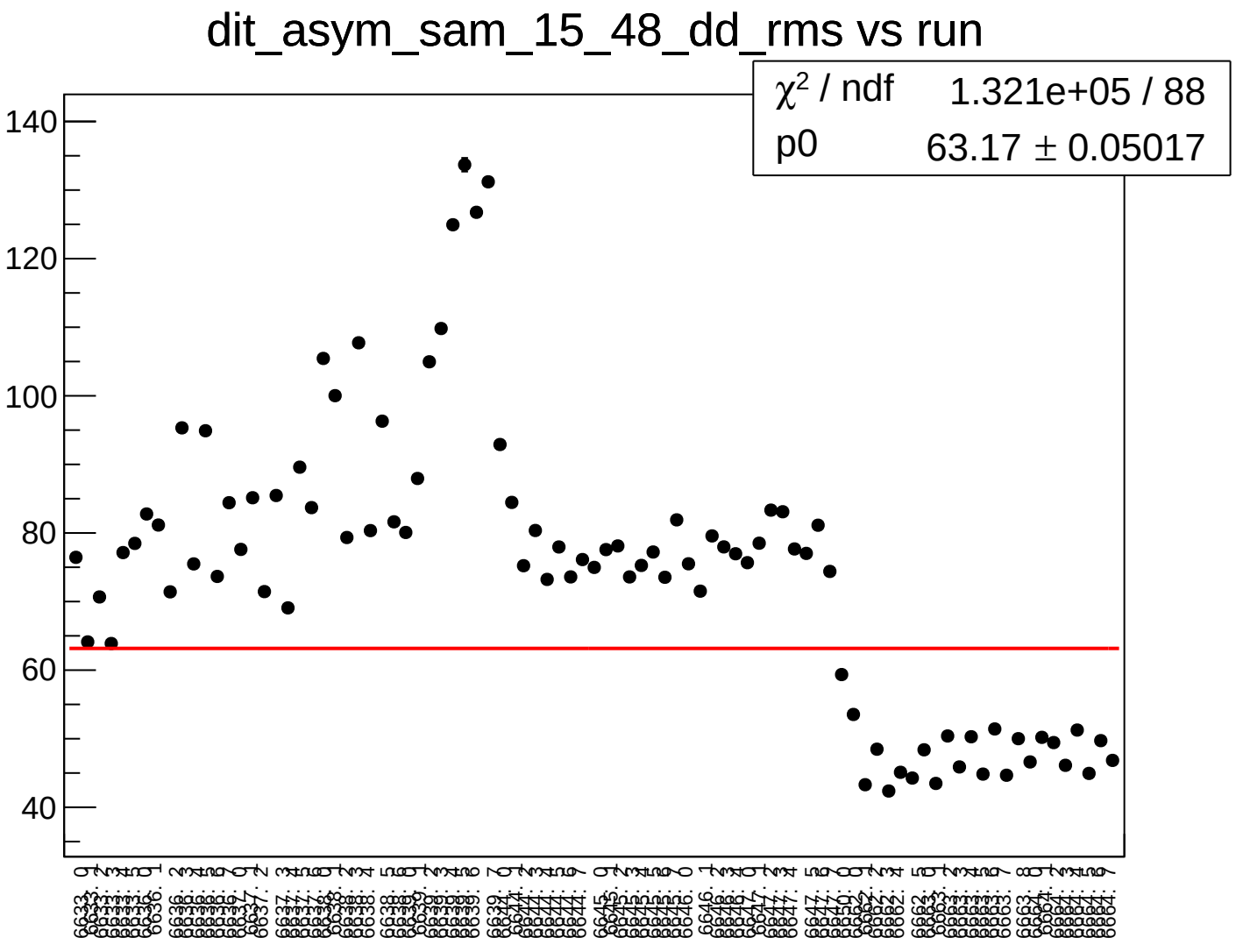

asym_sam_3726_avg_mean vs run
χ² / ndf 96.74 / 88
p0 −421.3 ± 441.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −612.7
Std Dev 623.6
2
1
0
−1
−2

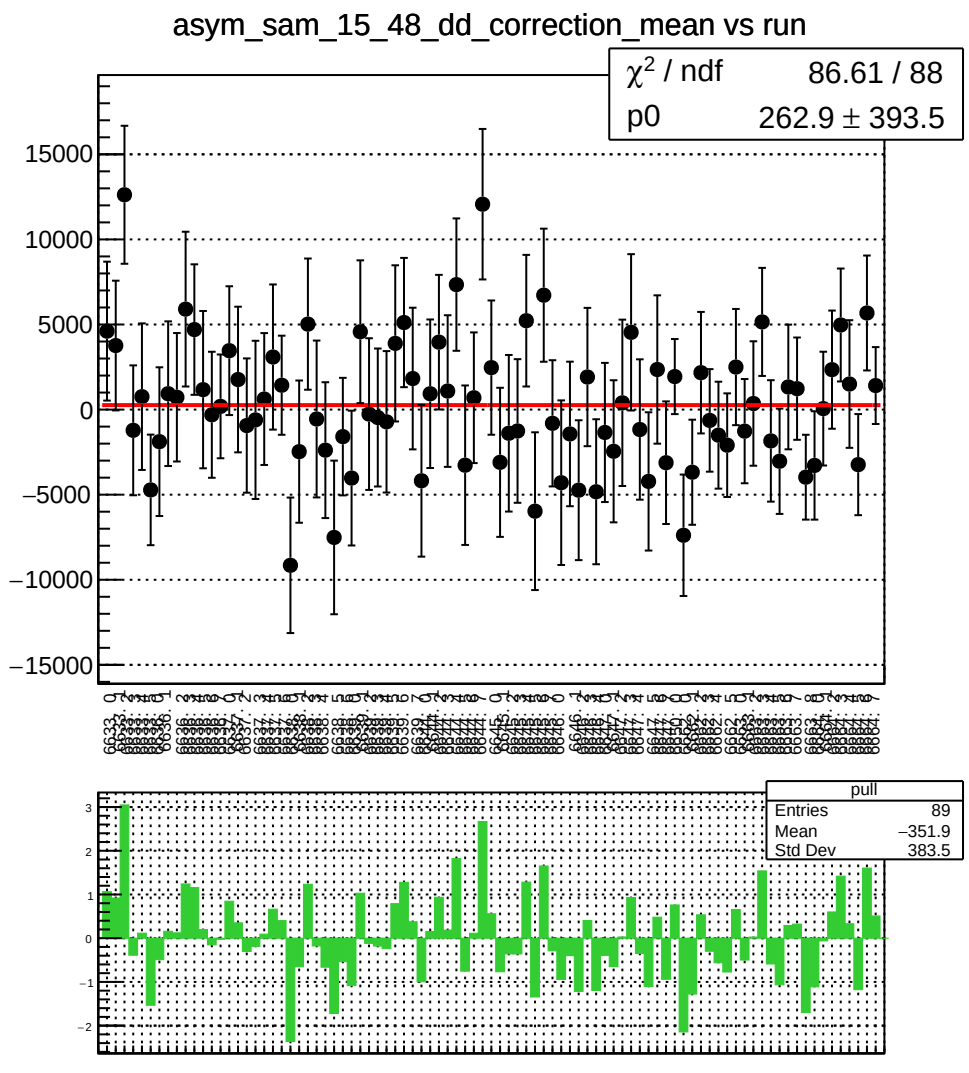

pull1D
Entries 89
Mean 0.003423
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

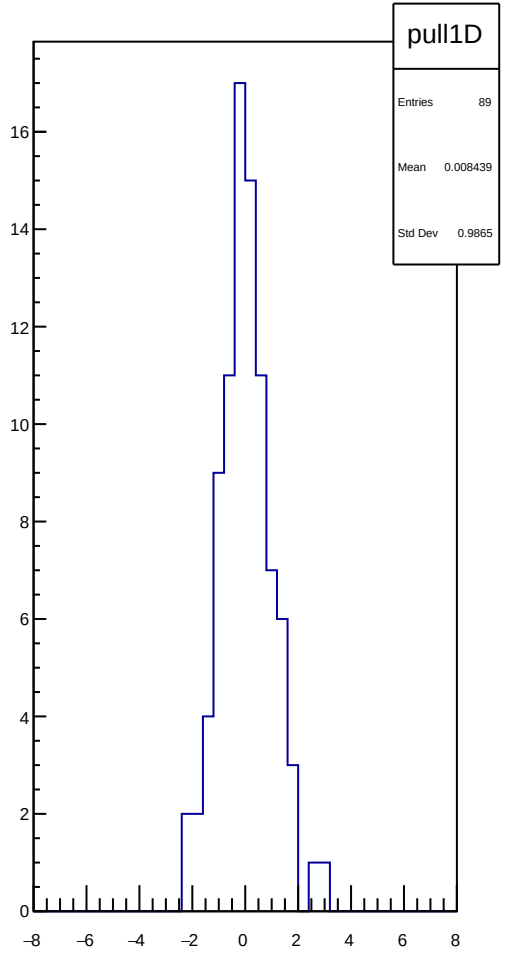

asym_sam_3726_avg_rms vs run
χ² / ndf 1.12e+05 / 88
p0 395.7 ± 0.3123
700
600
500
400
300

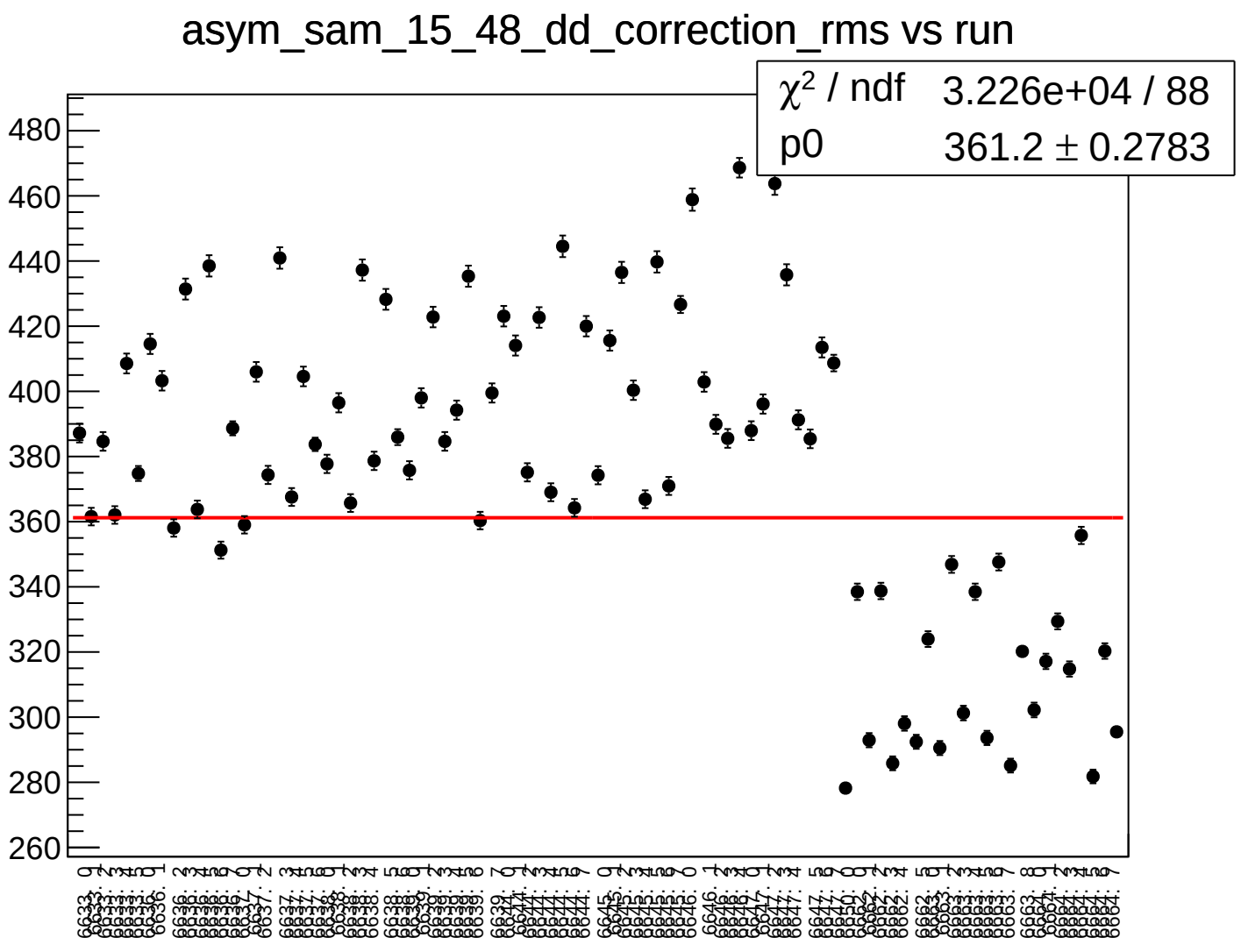

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 75.19 / 88
p0 −36.31 ± 70.95
pull
Entries 89
Mean 6545
Std Dev 6522

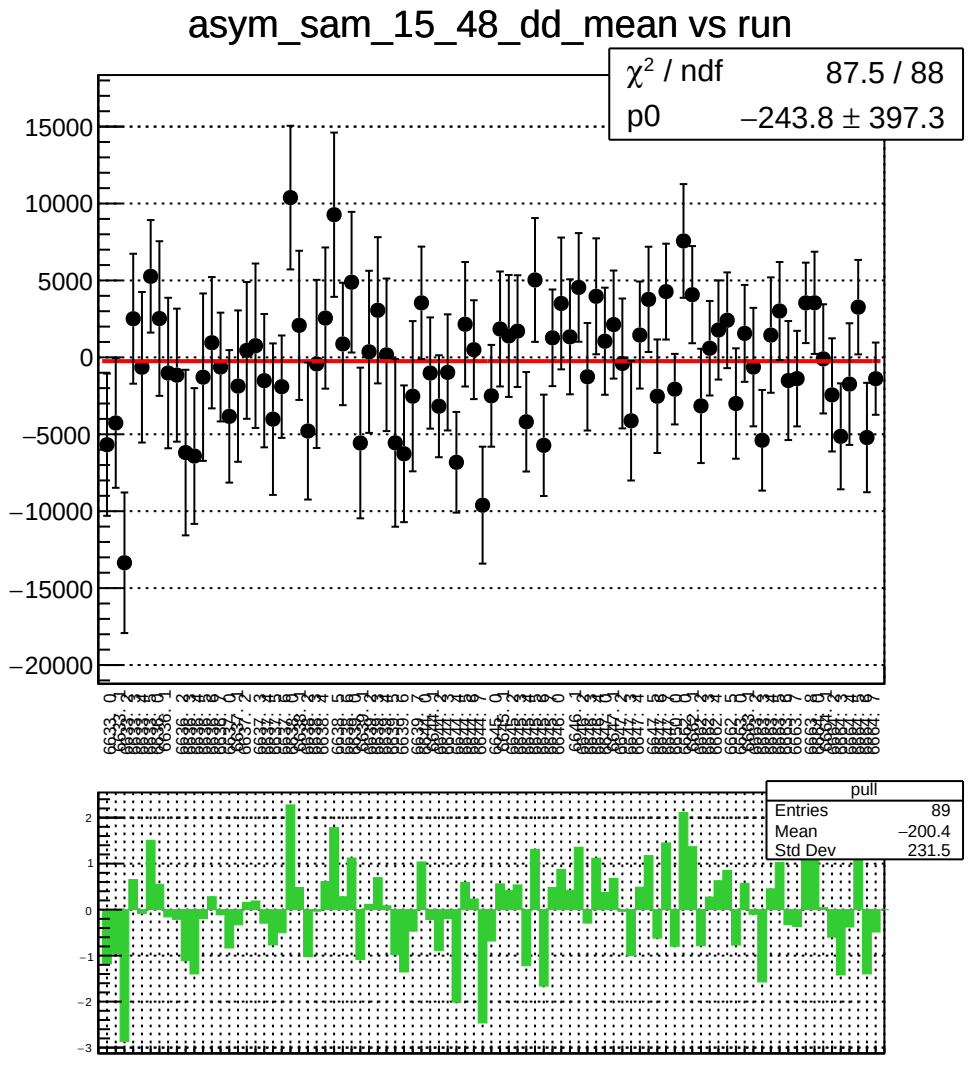

pull1D
Entries 89
Mean 0.0001987
Std Dev 0.9192

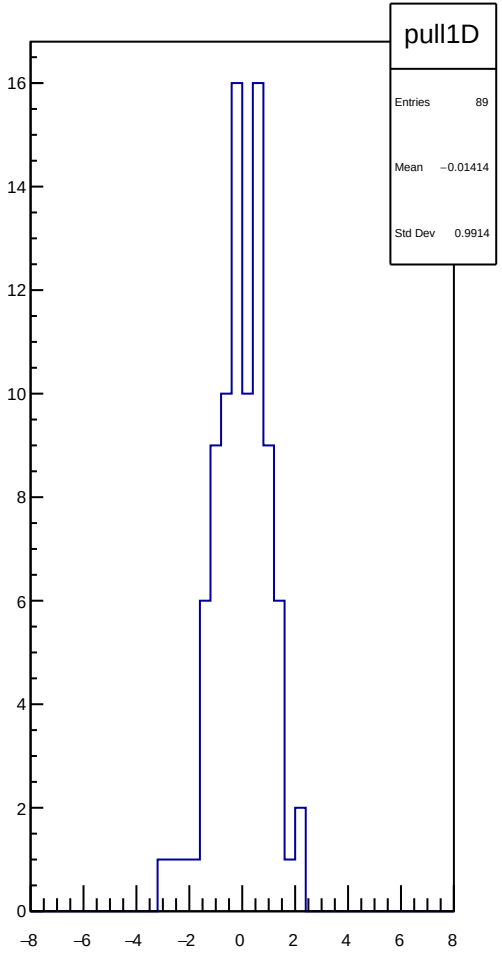

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.321e+05 / 88
p0 63.17 ± 0.05017
140
120
100
80
60
40

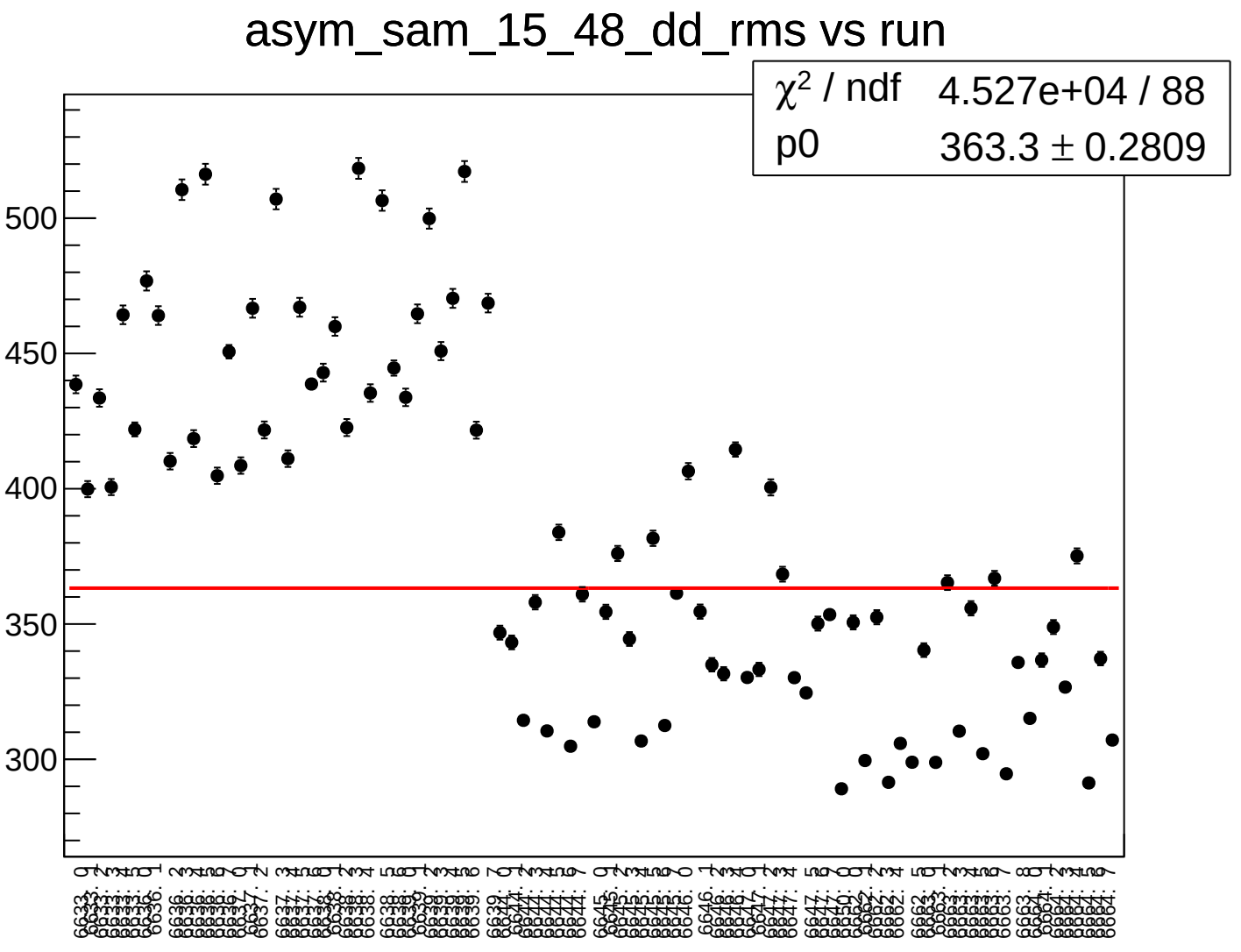

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 86.61 / 88
p0 262.9 ± 393.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −351.9
Std Dev 383.5
3
2
1
0
−1
−2

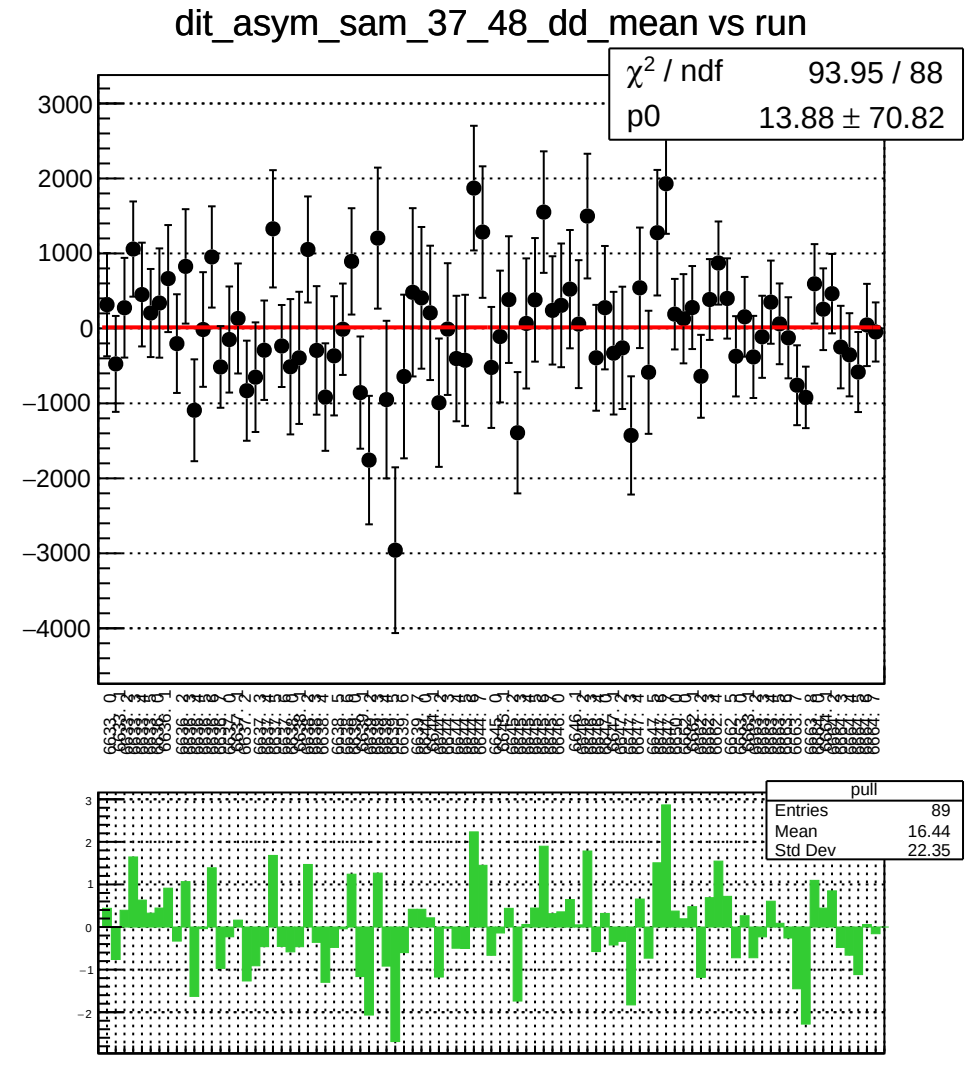

pull1D
Entries 89
Mean 0.008439
Std Dev 0.9865
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

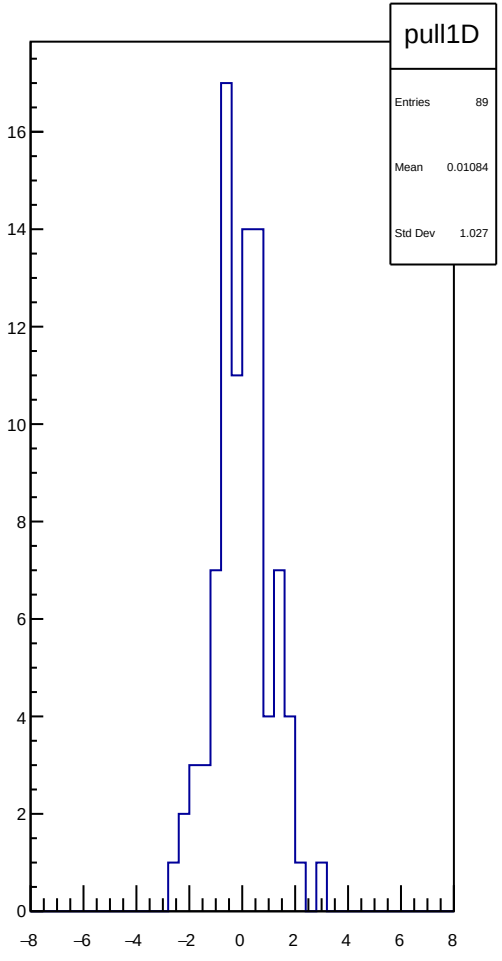

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3.226e+04 / 88
p0 361.2 ± 0.2783
480
460
440
420
400
380
360
340
320
300
280
260

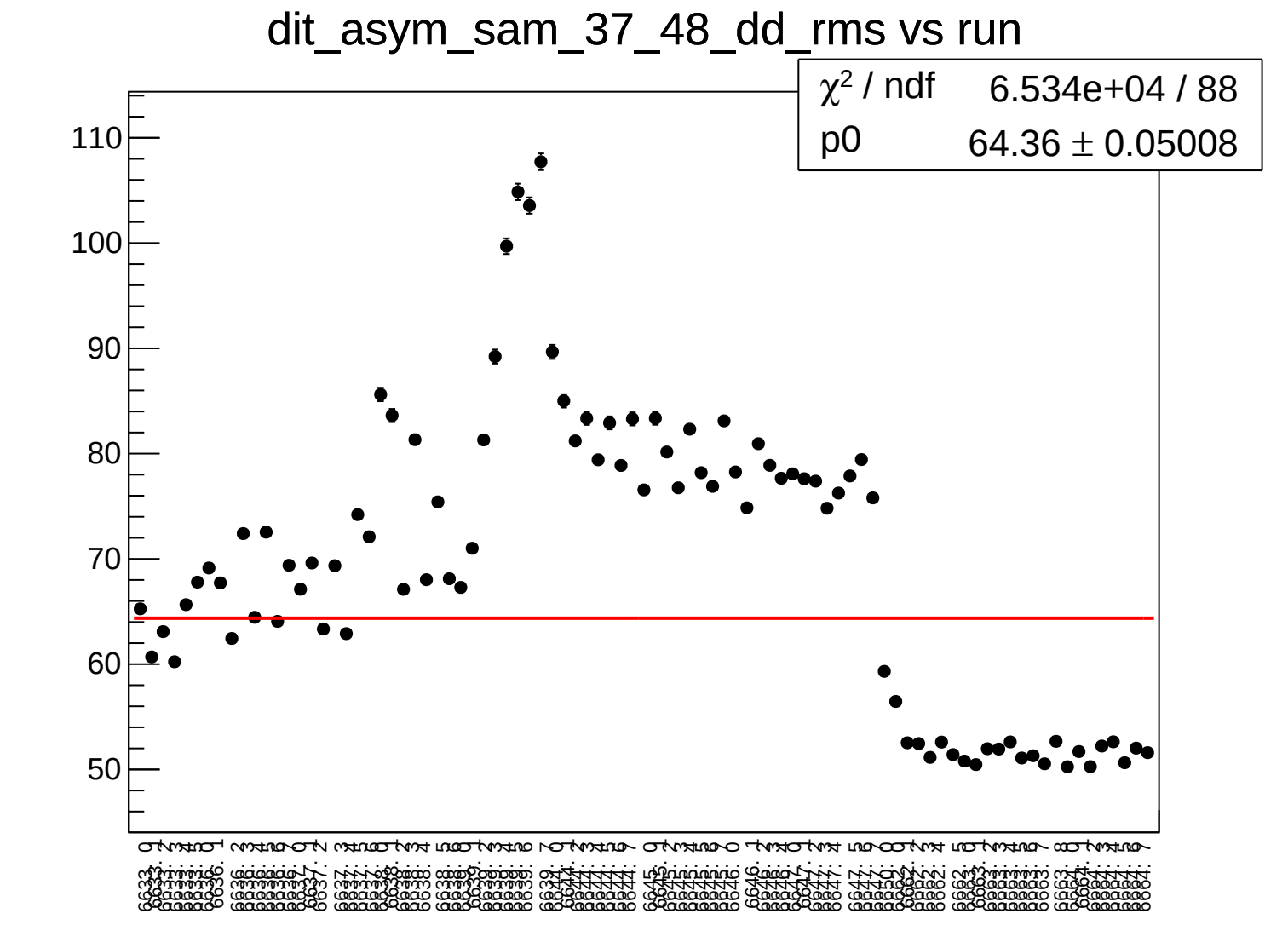

asym_sam_15_48_dd_mean vs run
χ² / ndf 87.5 / 88
p0 −243.8 ± 397.3
pull
Entries 89
Mean −200.4
Std Dev 231.5

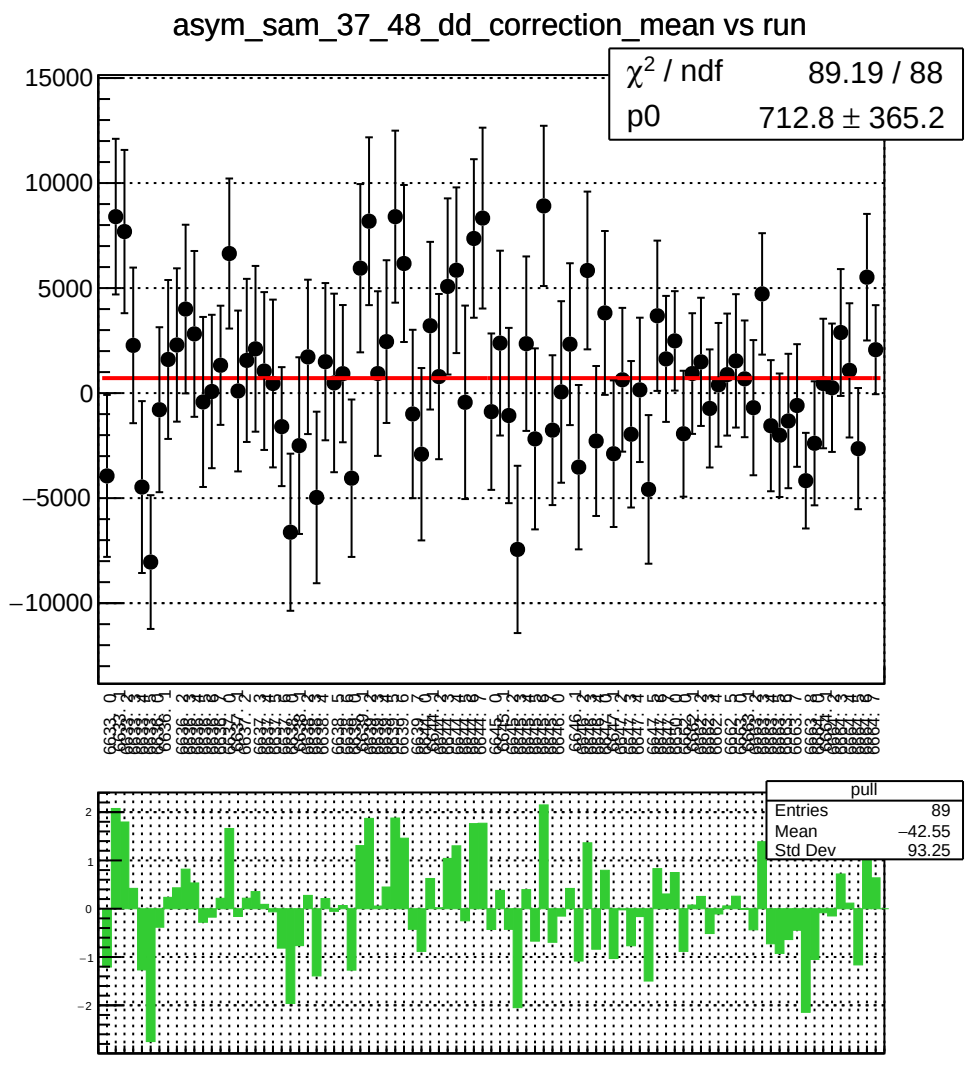

pull1D
Entries 89
Mean −0.01414
Std Dev 0.9914

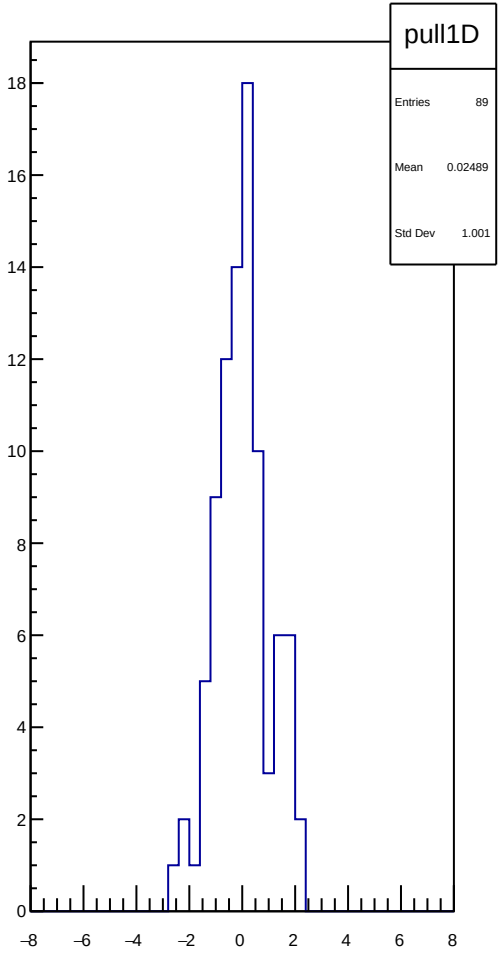

asym_sam_15_48_dd_rms vs run
χ² / ndf 4.527e+04 / 88
p0 363.3 ± 0.2809
500
450
400
350
300

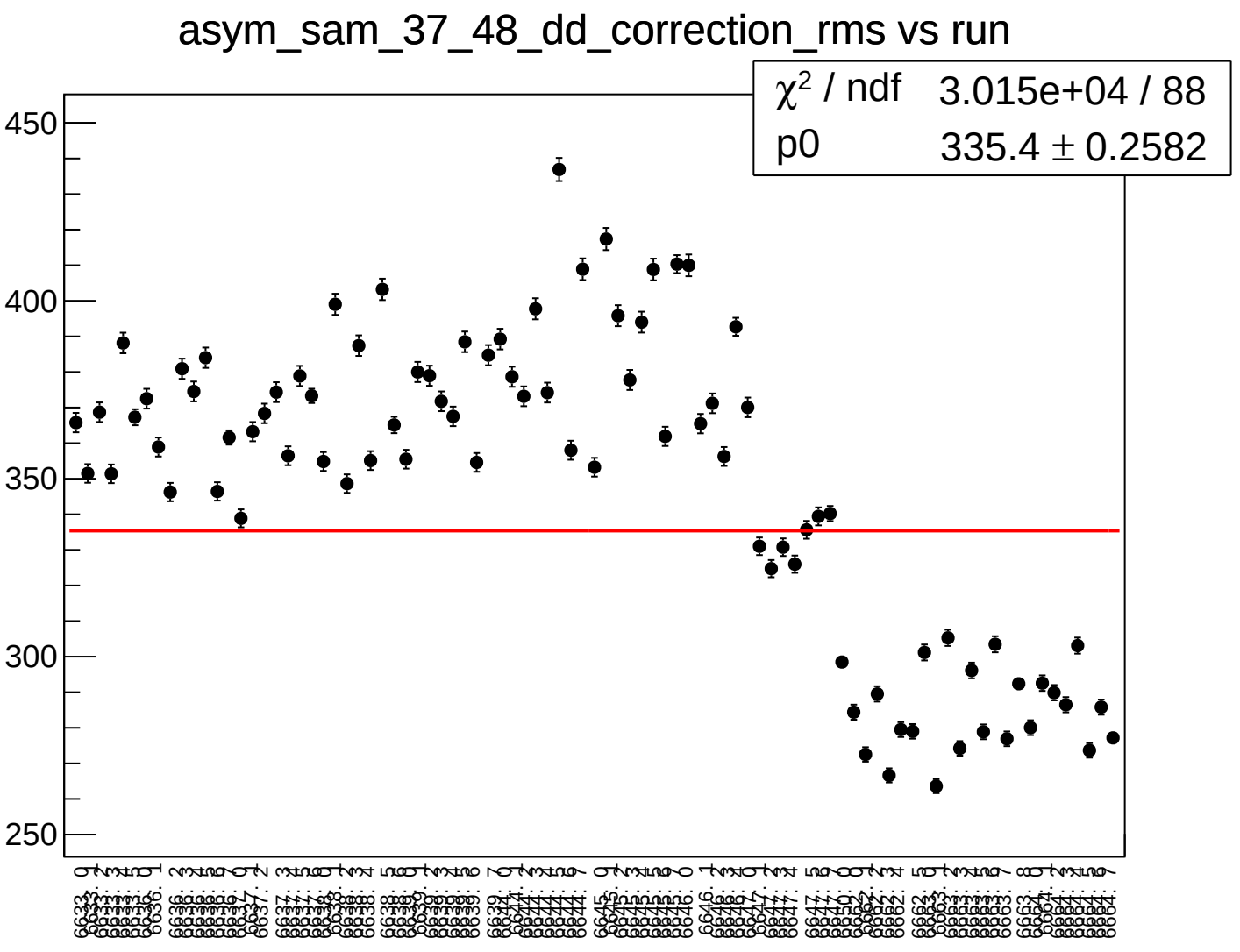

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 93.95 / 88
p0 13.88 ± 70.82
pull
Entries 89
Mean 16.44
Std Dev 22.35

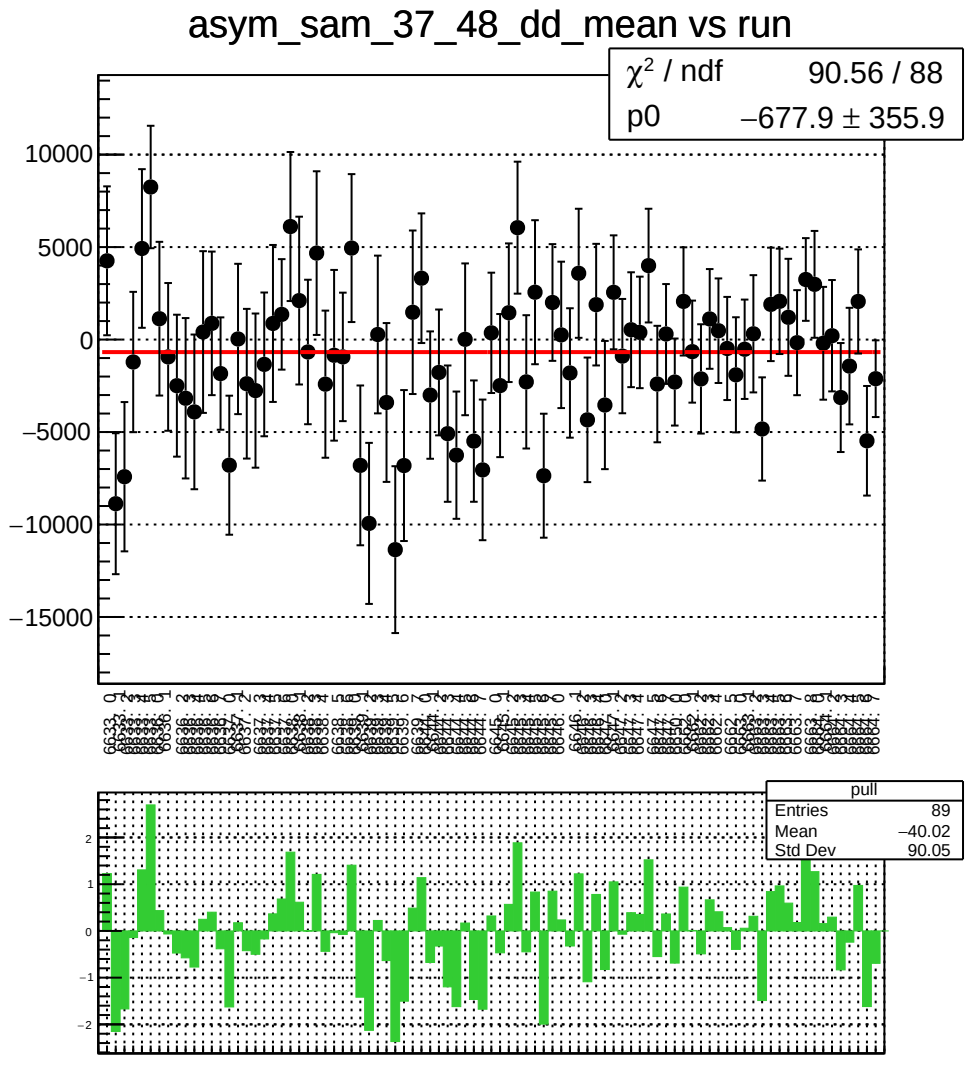

pull1D
Entries 89
Mean 0.01084
Std Dev 1.027

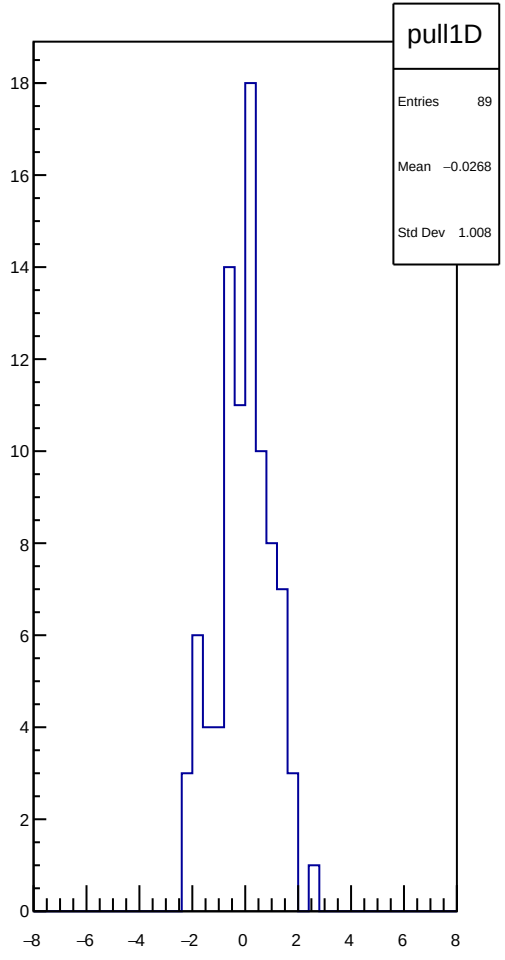

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 6.534e+04 / 88
p0 64.36 ± 0.05008
110
100
90
80
70
60
50

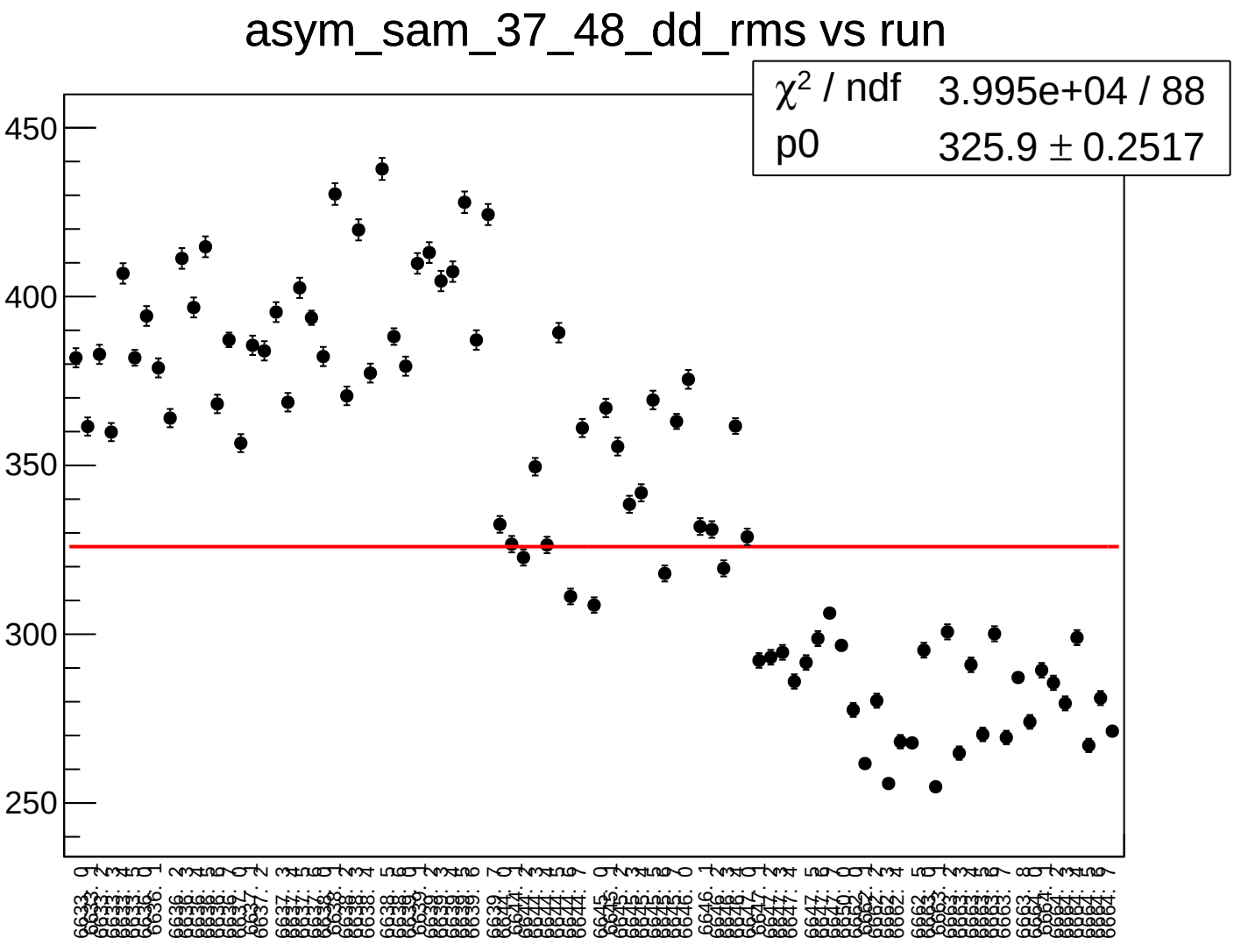

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 89.19 / 88
p0 712.8 ± 365.2
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −42.55
Std Dev 93.25
2
1
0
−1
−2

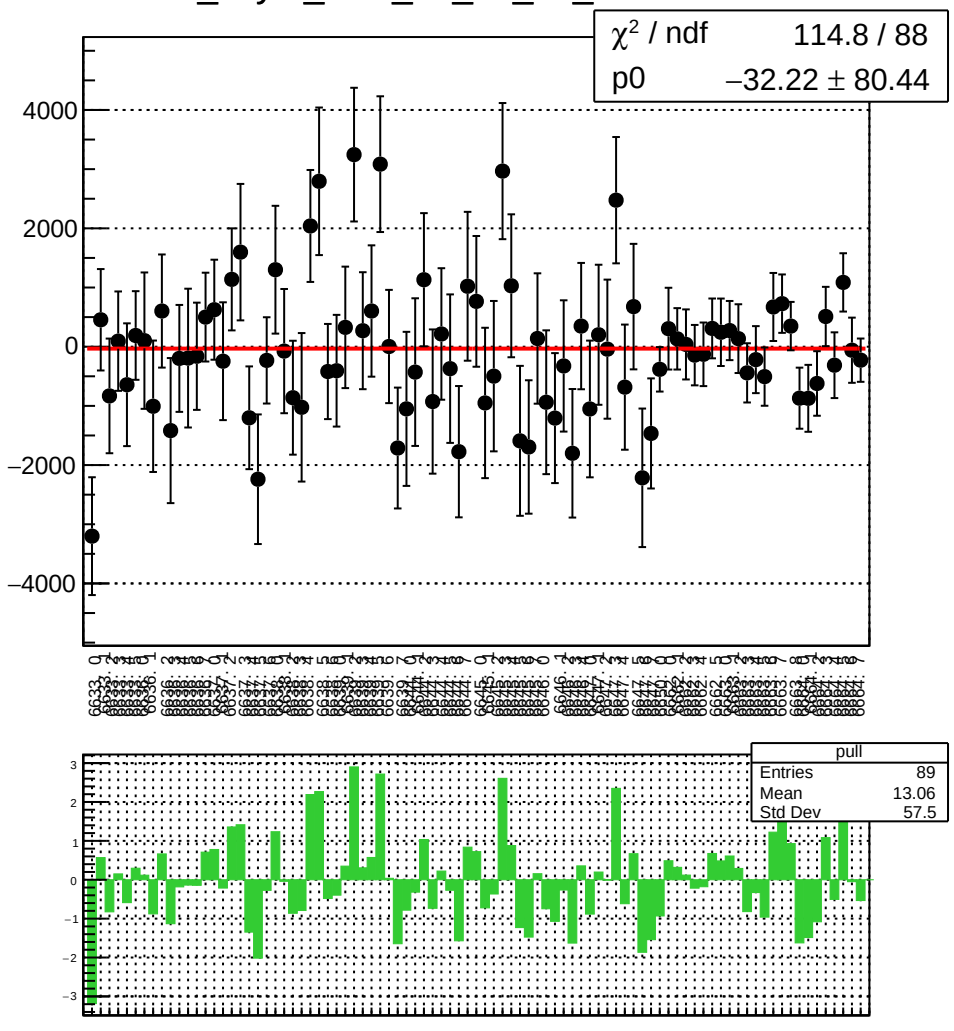

pull1D
Entries 89
Mean 0.02489
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

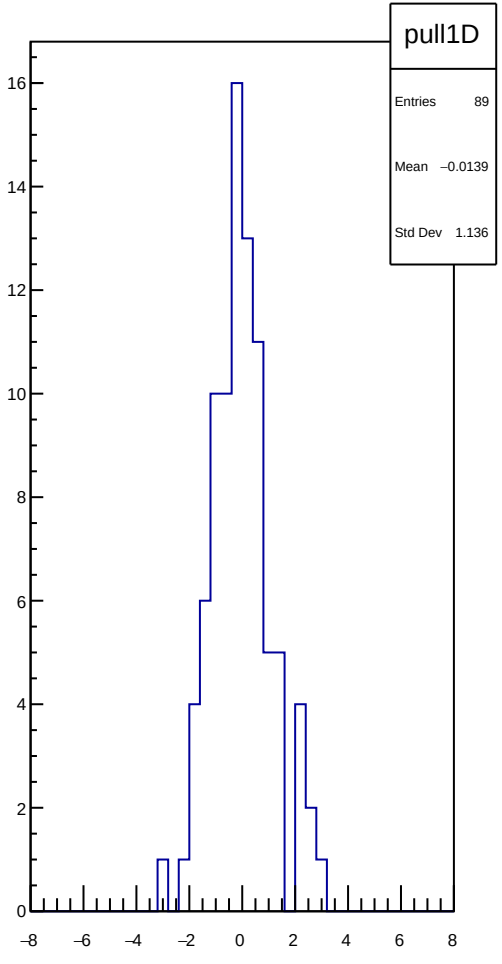

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3.015e+04 / 88
p0 335.4 ± 0.2582
450
400
350
300
250

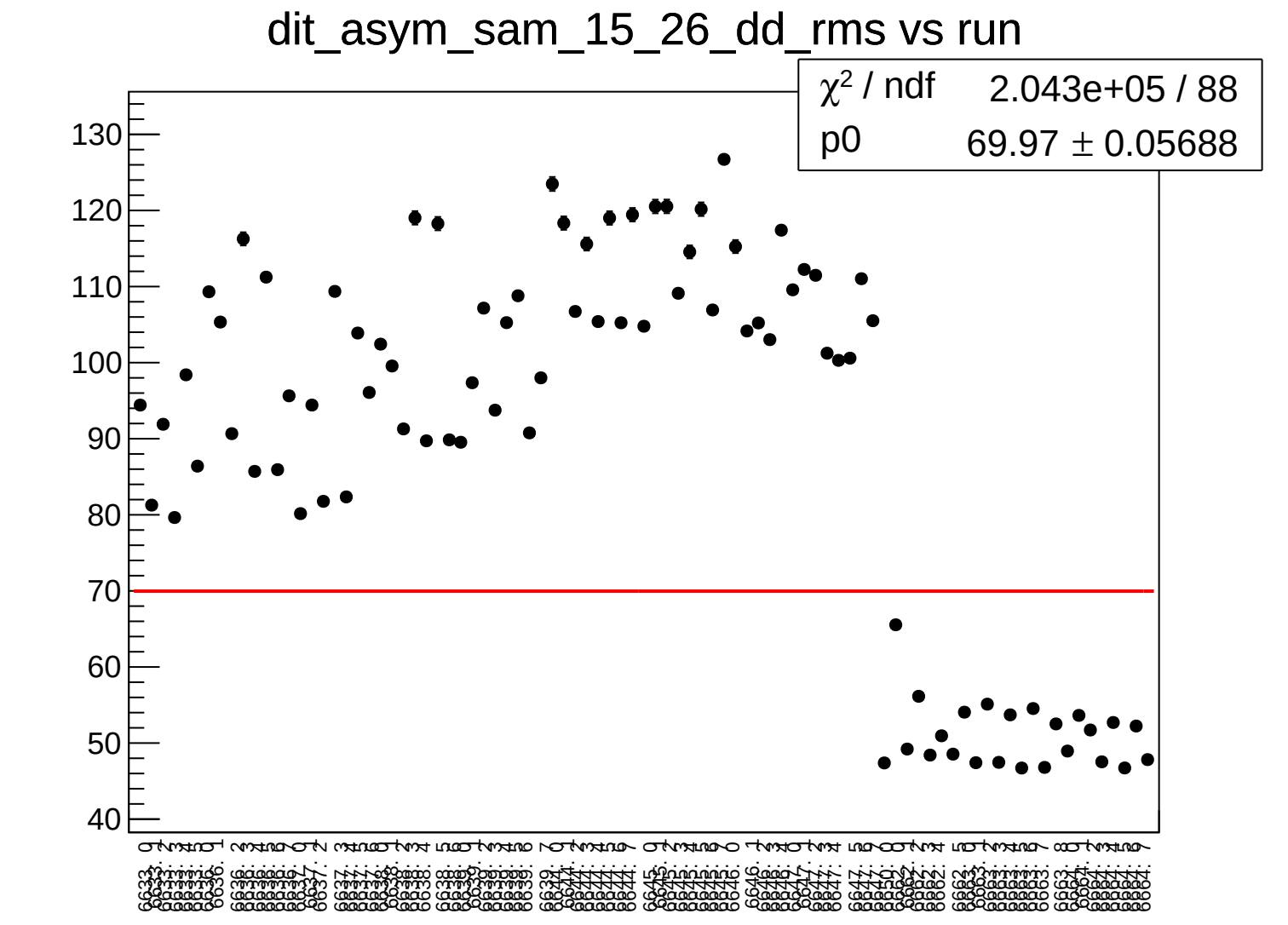

asym_sam_37_48_dd_mean vs run
χ² / ndf 90.56 / 88
p0 −677.9 ± 355.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −40.02
Std Dev 90.05
2
1
0
−1
−2

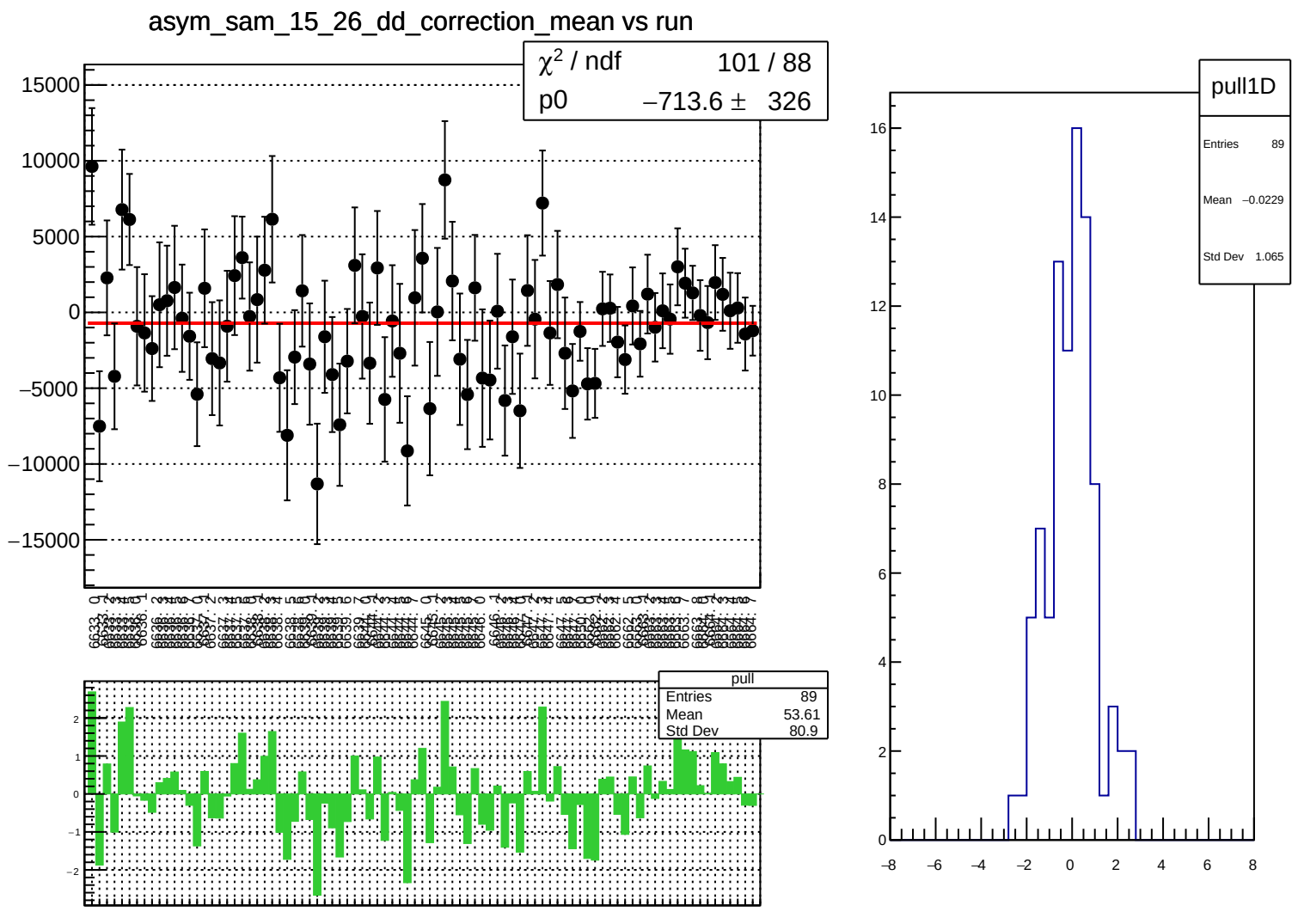

pull1D
Entries 89
Mean −0.0268
Std Dev 1.008
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

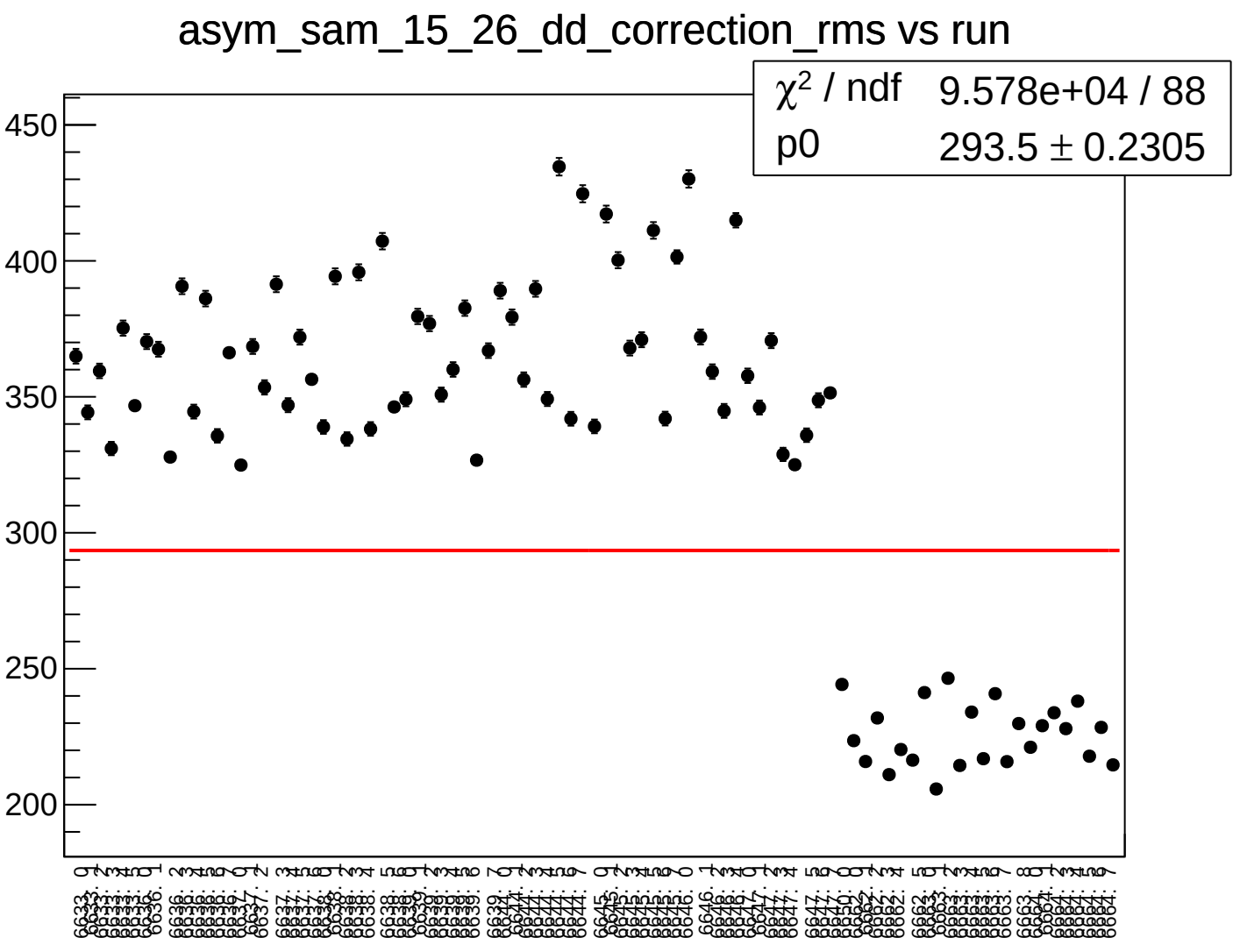

asym_sam_37_48_dd_rms vs run
χ² / ndf 3.995e+04 / 88
p0 325.9 ± 0.2517
450
400
350
300
250

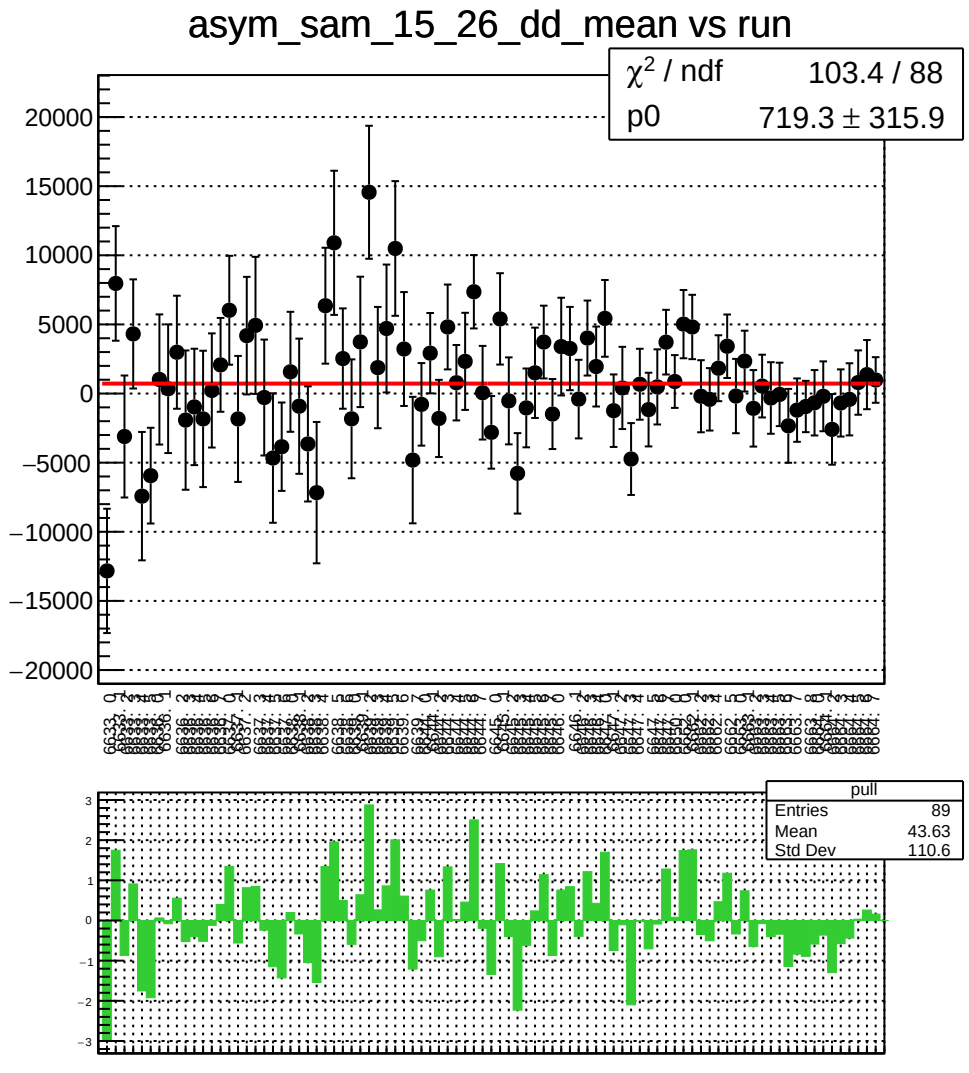

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 114.8 / 88
p0 −32.22 ± 80.44
4000
2000
0
−2000
−4000
pull
Entries 89
Mean 13.06
Std Dev 57.5
3
2
1
0
−1
−2
−3

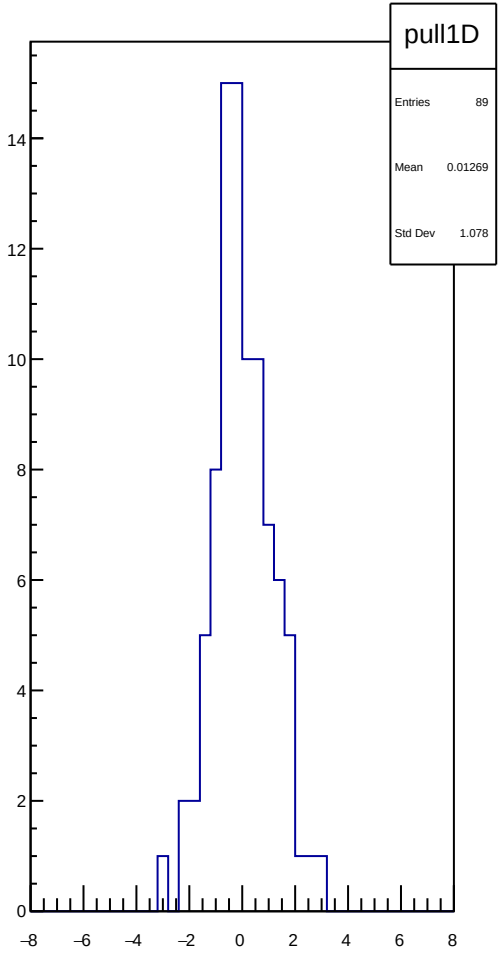

pull1D
Entries 89
Mean −0.0139
Std Dev 1.136
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

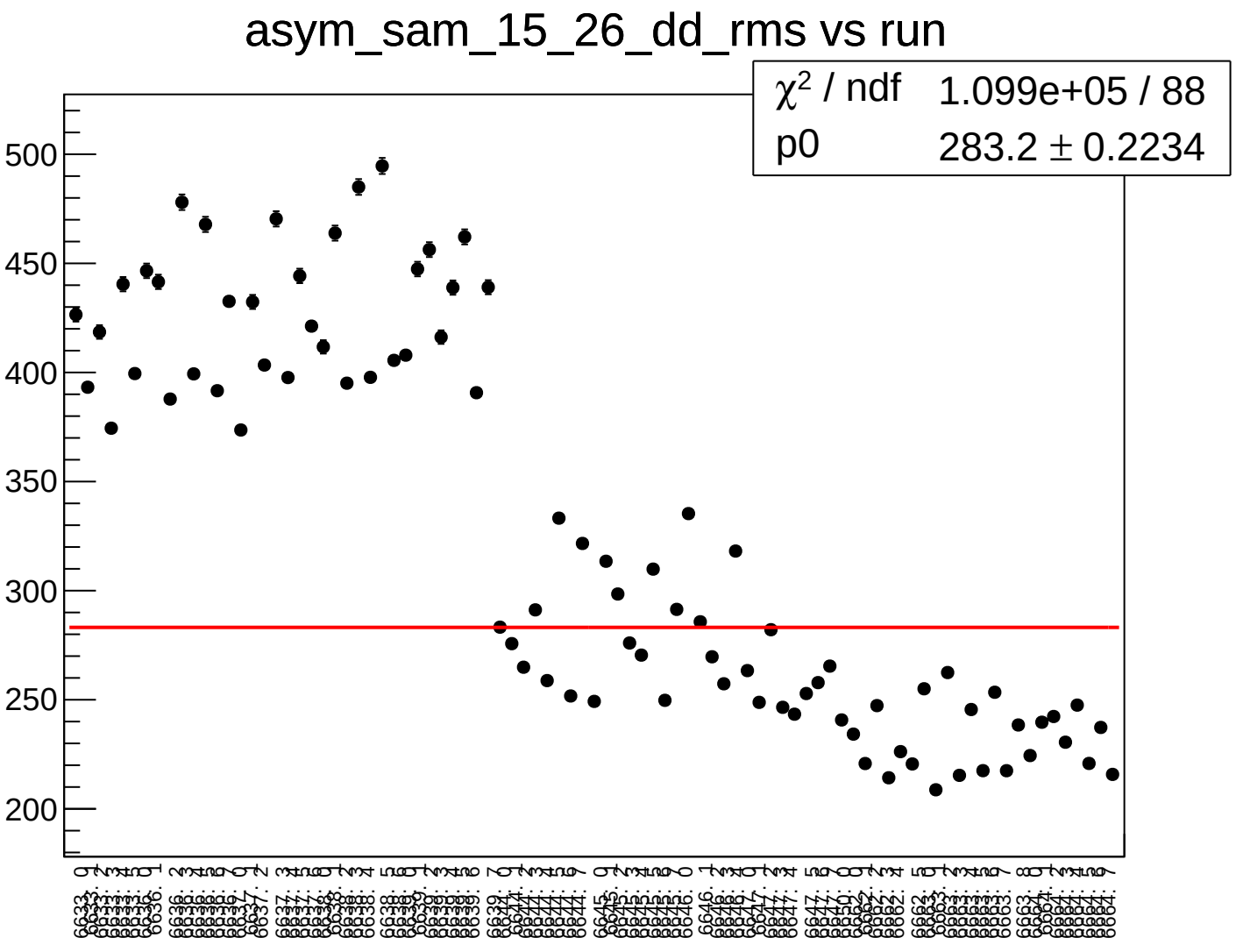

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 2.043e+05 / 88
p0 69.97 ± 0.05688
130
120
110
100
90
80
70
60
50
40

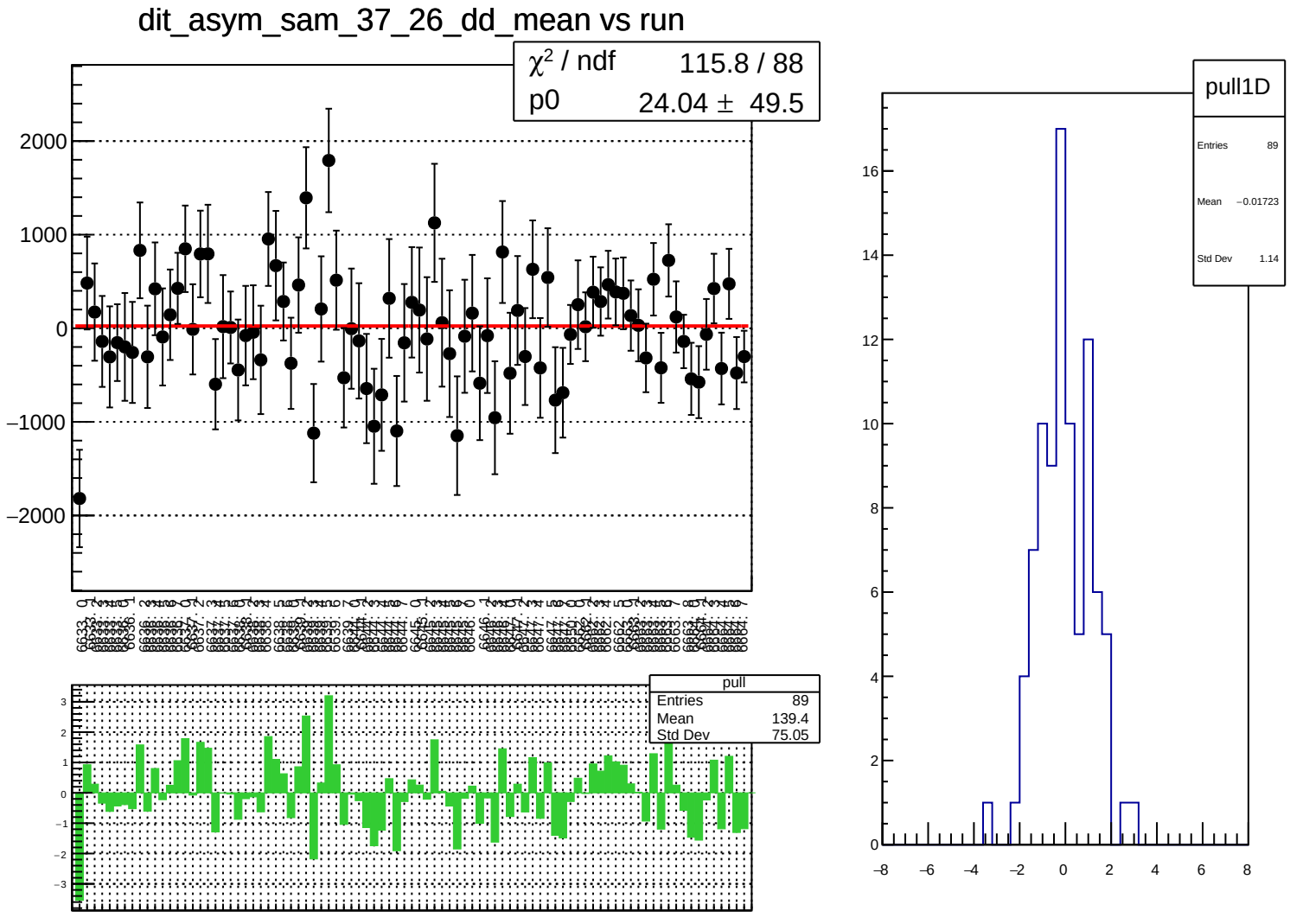

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 101 / 88
p0 −713.6 ± 326
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 53.61
Std Dev 80.9
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.0229
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

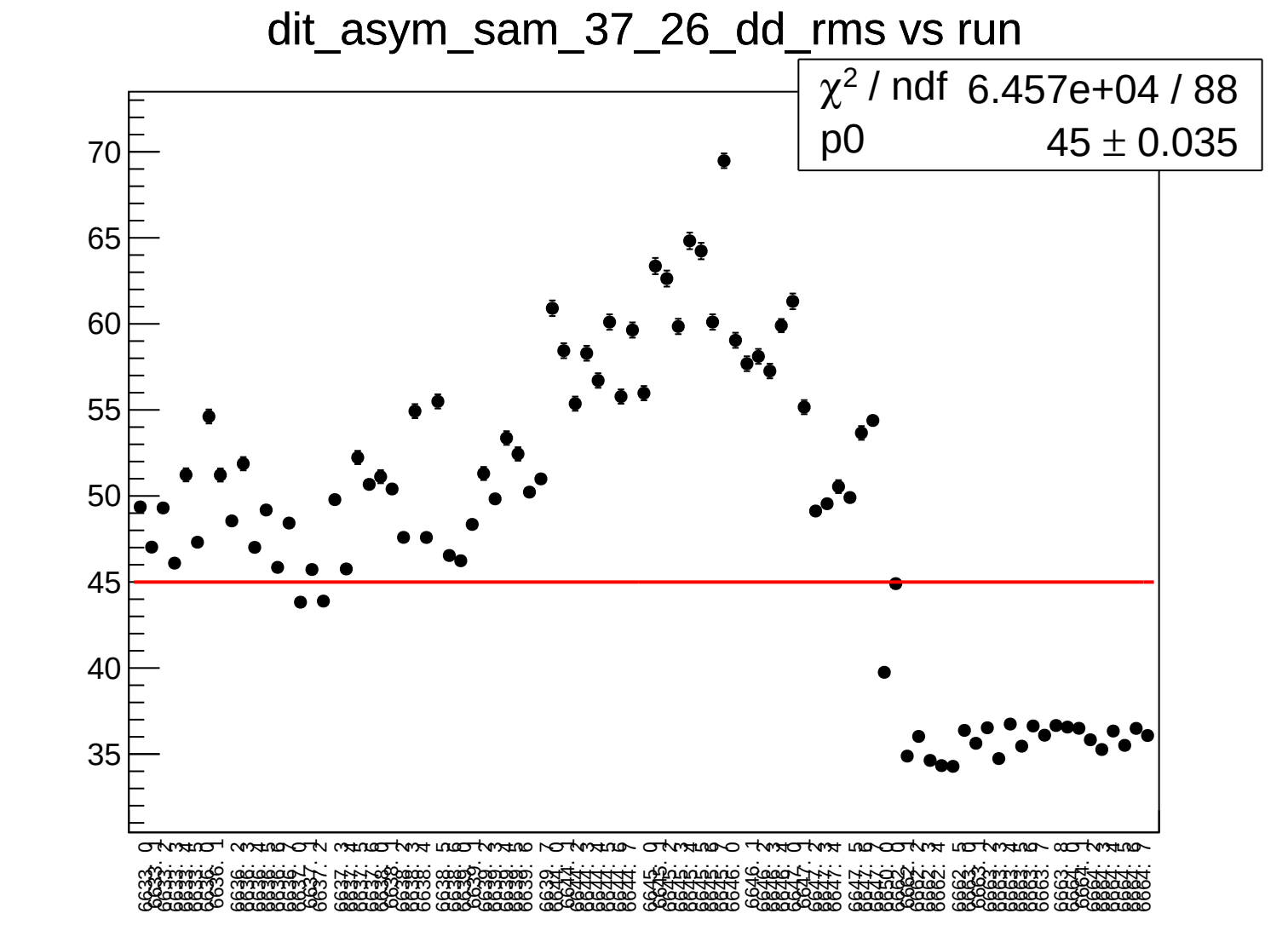

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 9.578e+04 / 88
p0 293.5 ± 0.2305
450
400
350
300
250
200

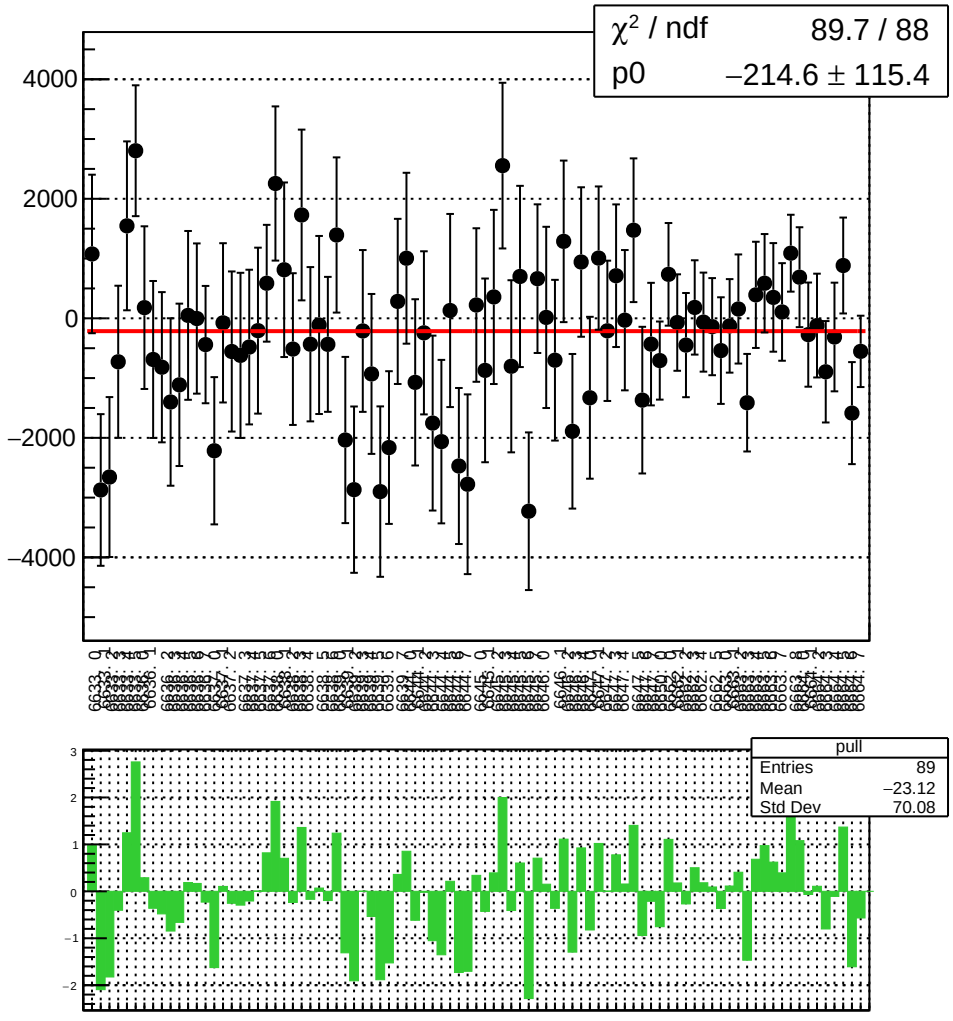

asym_sam_15_26_dd_mean vs run
χ² / ndf 103.4 / 88
p0 719.3 ± 315.9
pull
Entries 89
Mean 43.63
Std Dev 110.6

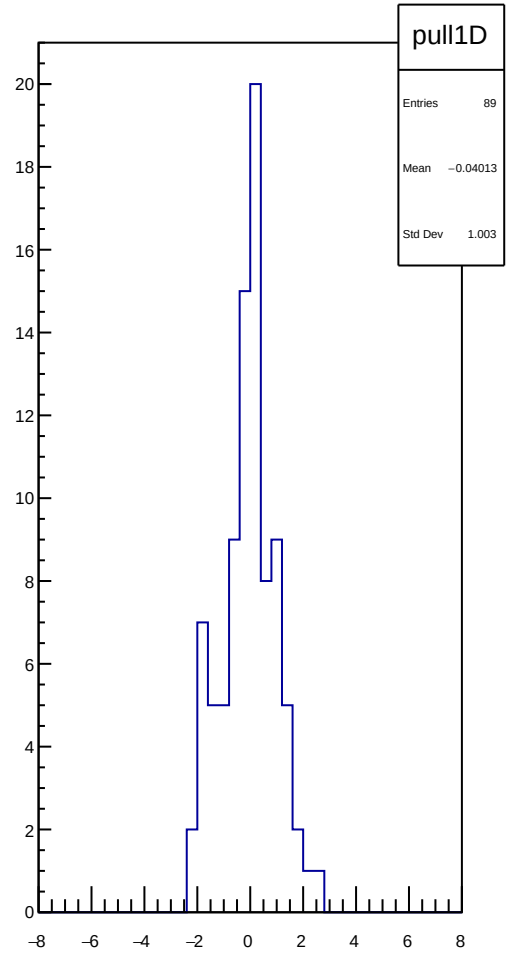

pull1D
Entries 89
Mean 0.01269
Std Dev 1.078

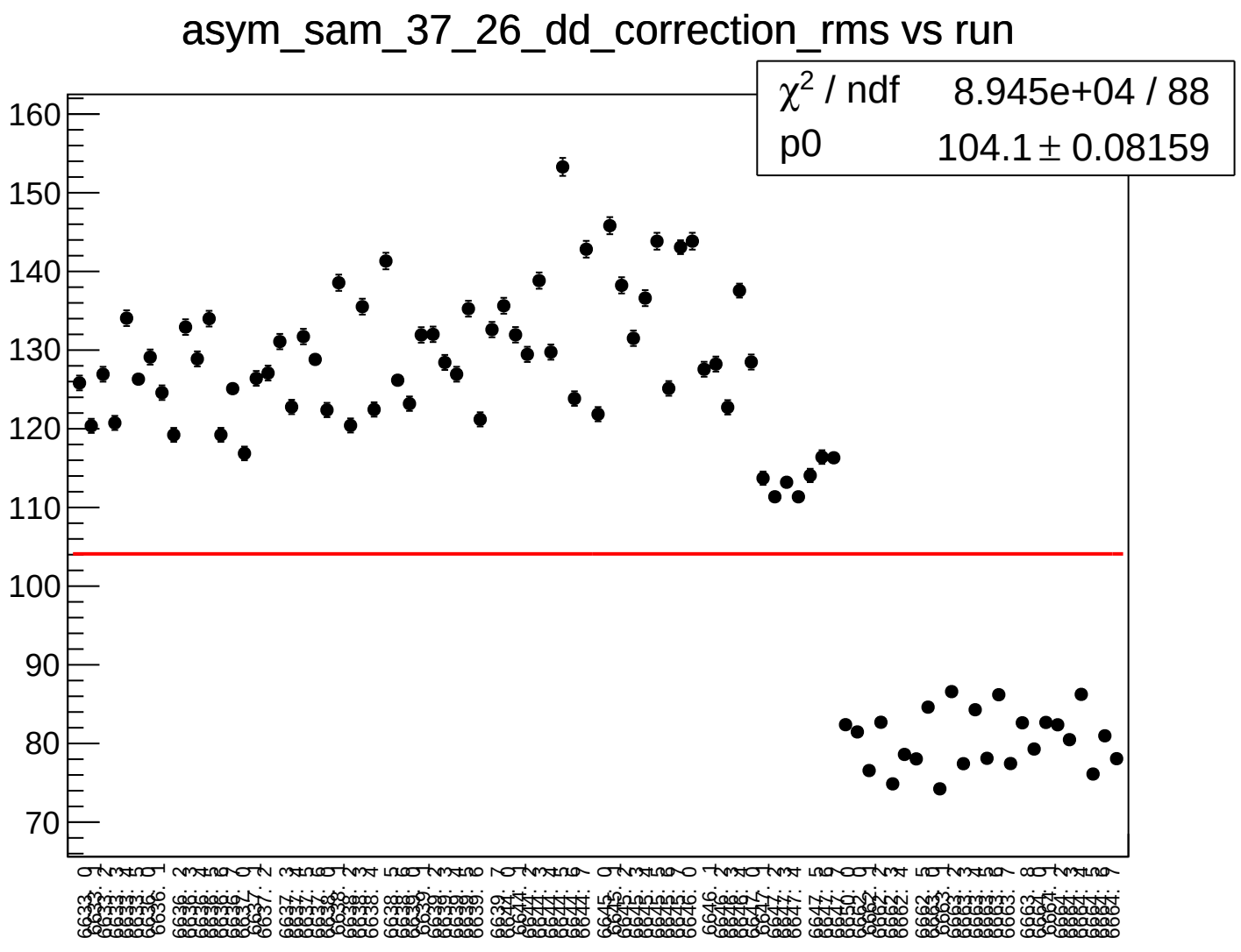

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.099e+05 / 88
p0 283.2 ± 0.2234
500
450
400
350
300
250
200

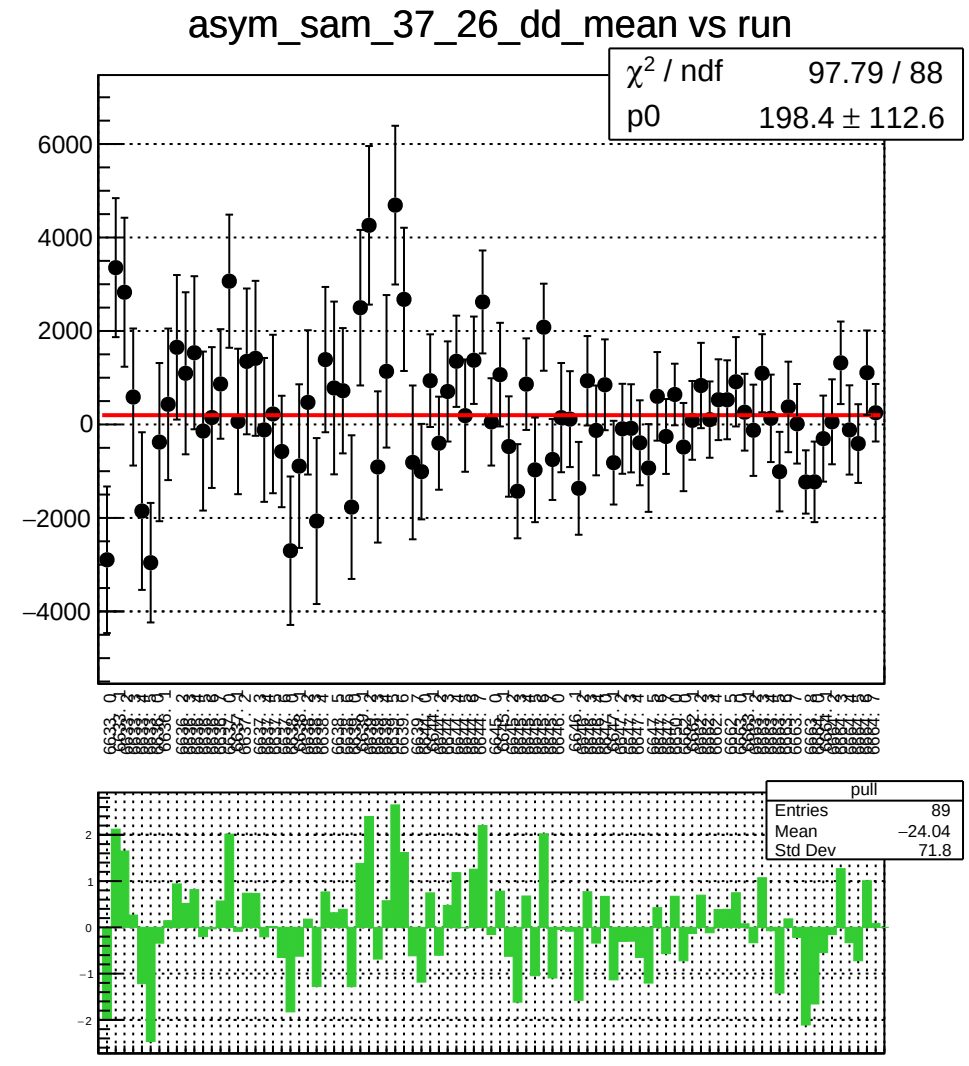

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 115.8 / 88
p0 24.04 ± 49.5
2000
1000
0
−1000
−2000
pull
Entries 89
Mean 139.4
Std Dev 75.05
3
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.01723
Std Dev 1.14
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

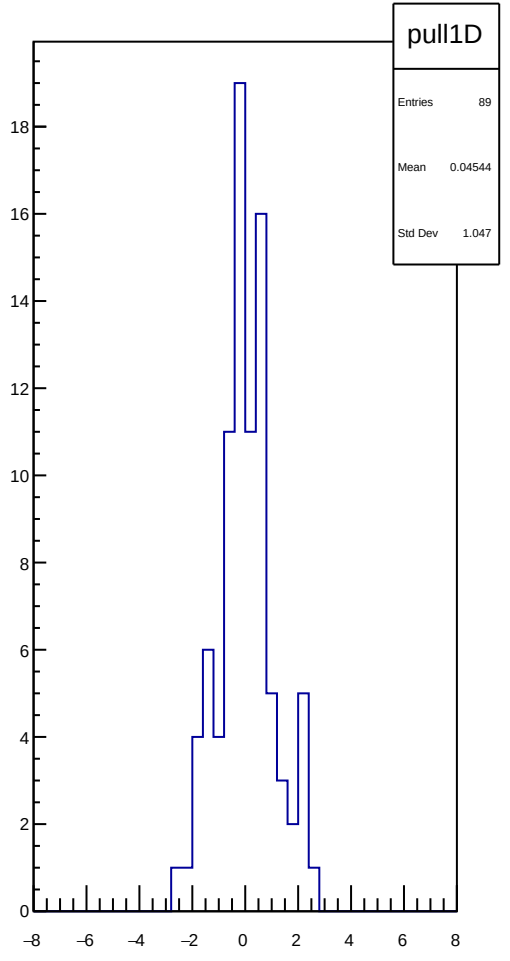

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 6.457e+04 / 88
p0 45 ± 0.035
70
65
60
55
50
45
40
35

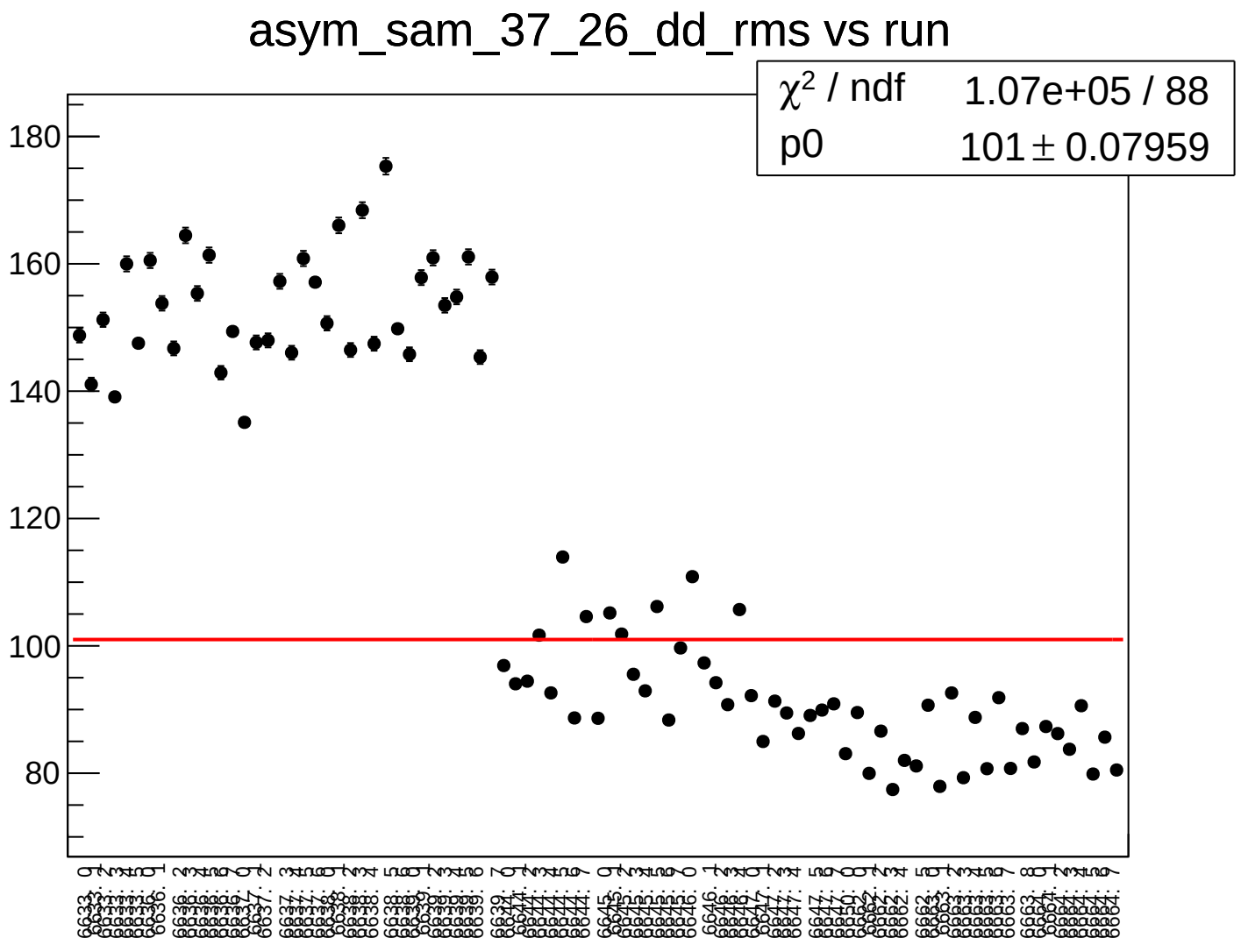

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 89.7 / 88
p0 −214.6 ± 115.4
4000
2000
0
−2000
−4000
pull
Entries 89
Mean −23.12
Std Dev 70.08
3
2
1
0
−1
−2

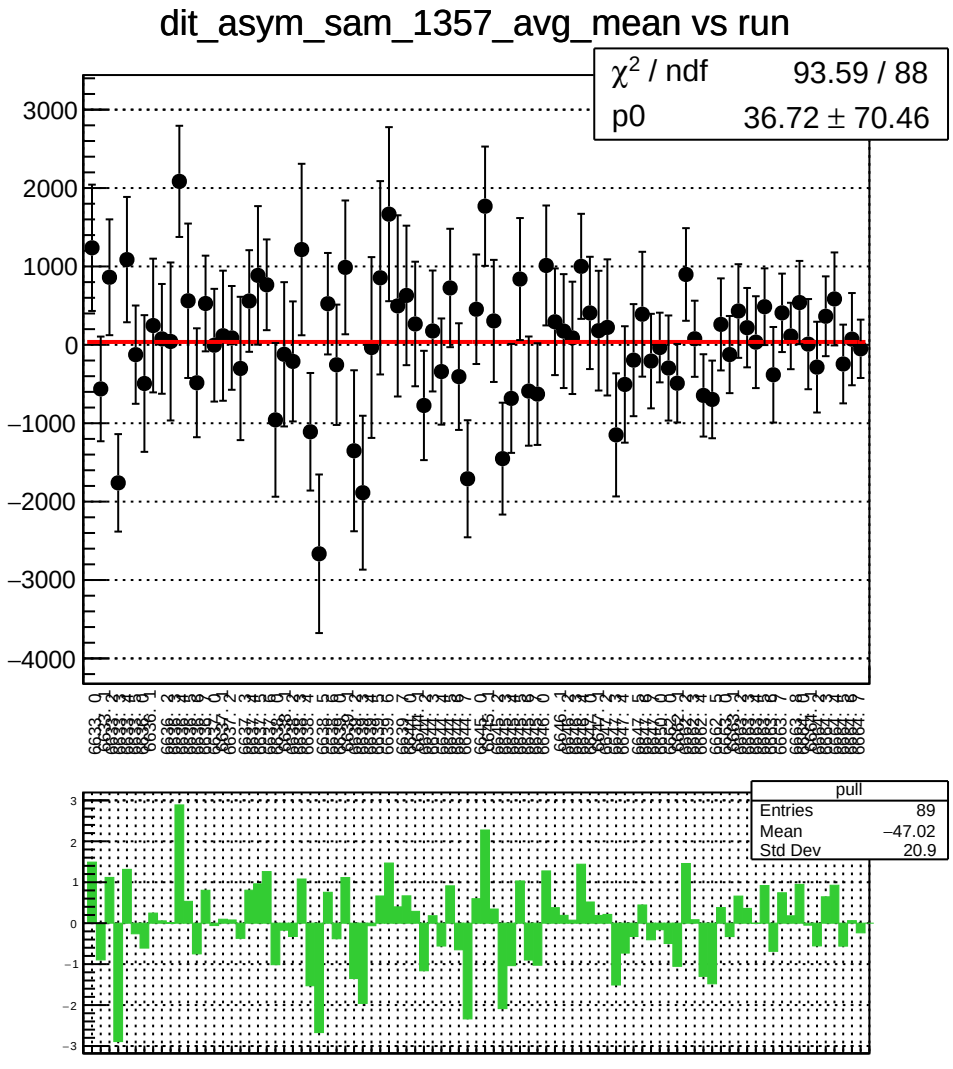

pull1D
Entries 89
Mean −0.04013
Std Dev 1.003
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

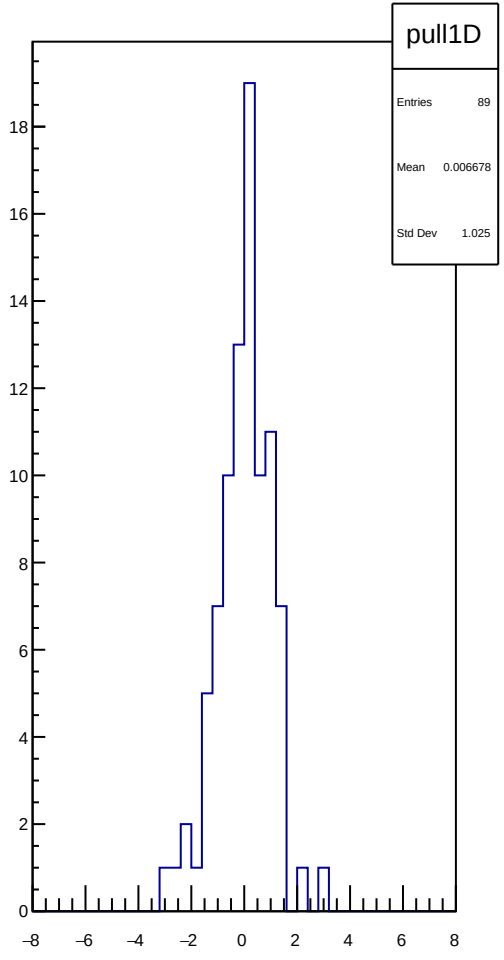

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 8.945e+04 / 88
p0 104.1 ± 0.08159
160
150
140
130
120
110
100
90
80
70

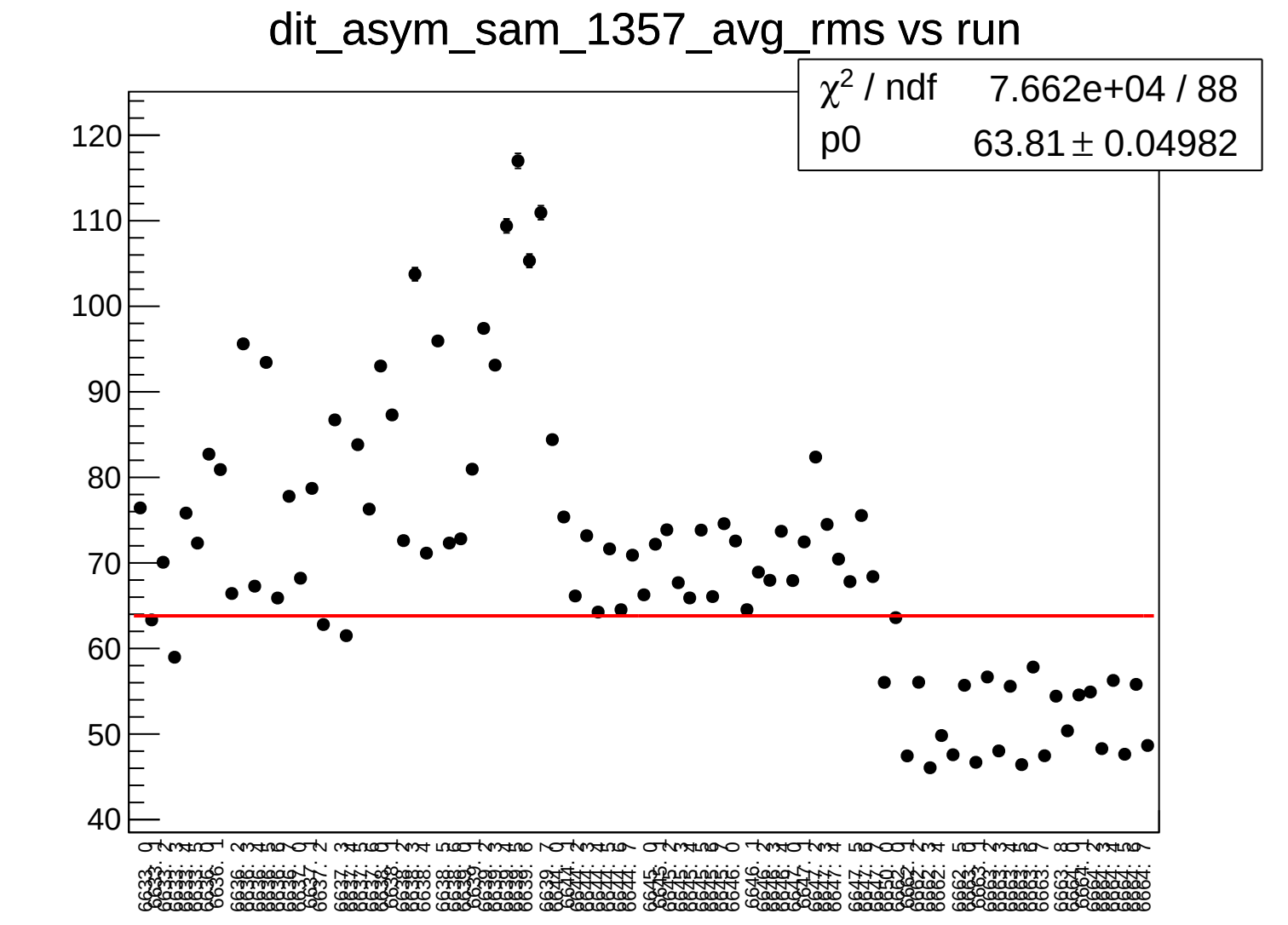

asym_sam_37_26_dd_mean vs run
χ² / ndf 97.79 / 88
p0 198.4 ± 112.6
6000
4000
2000
0
−2000
−4000
pull
Entries 89
Mean −24.04
Std Dev 71.8
2
1
0
−1
−2

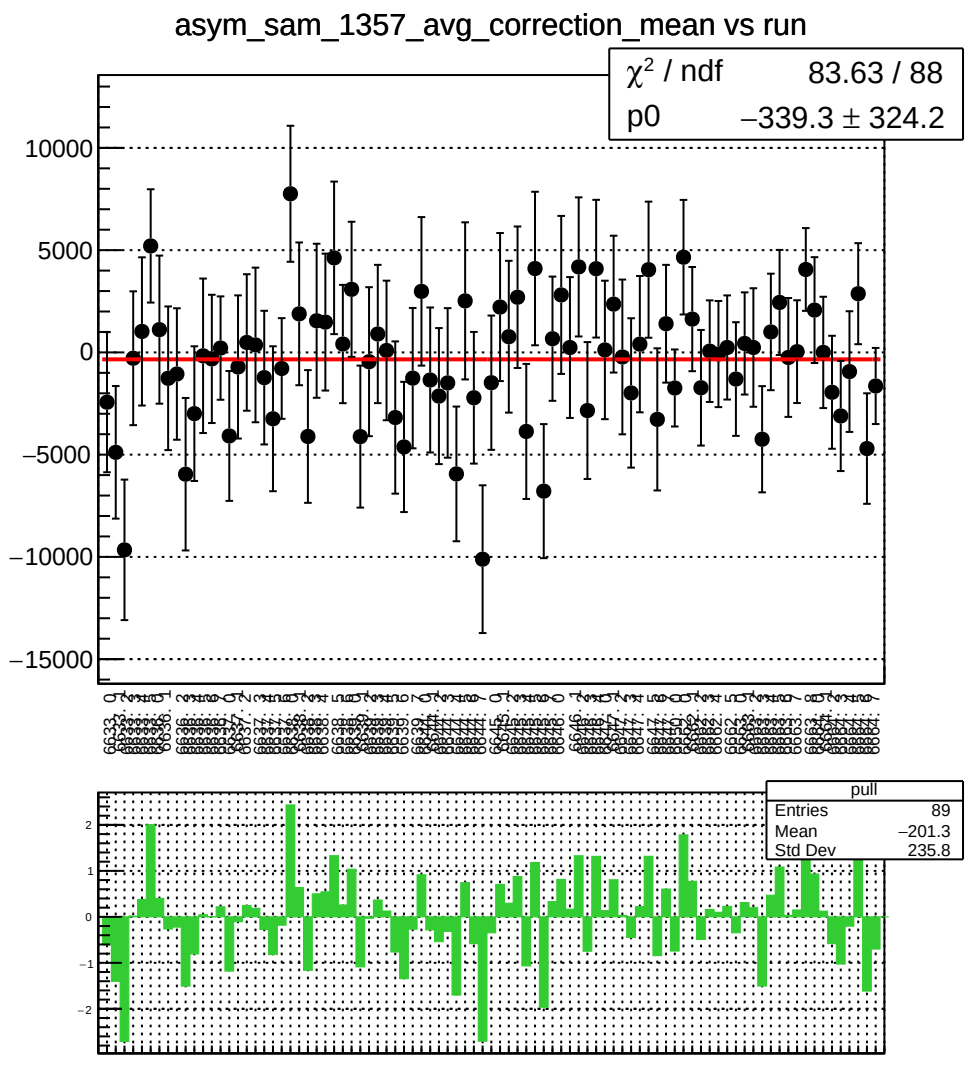

pull1D
Entries 89
Mean 0.04544
Std Dev 1.047
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

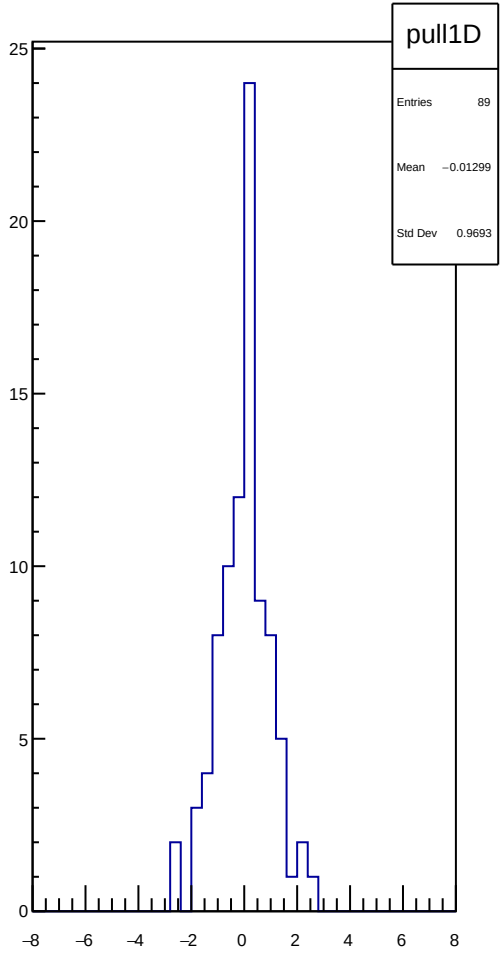

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.07e+05 / 88
p0 101 ± 0.07959
180
160
140
120
100
80

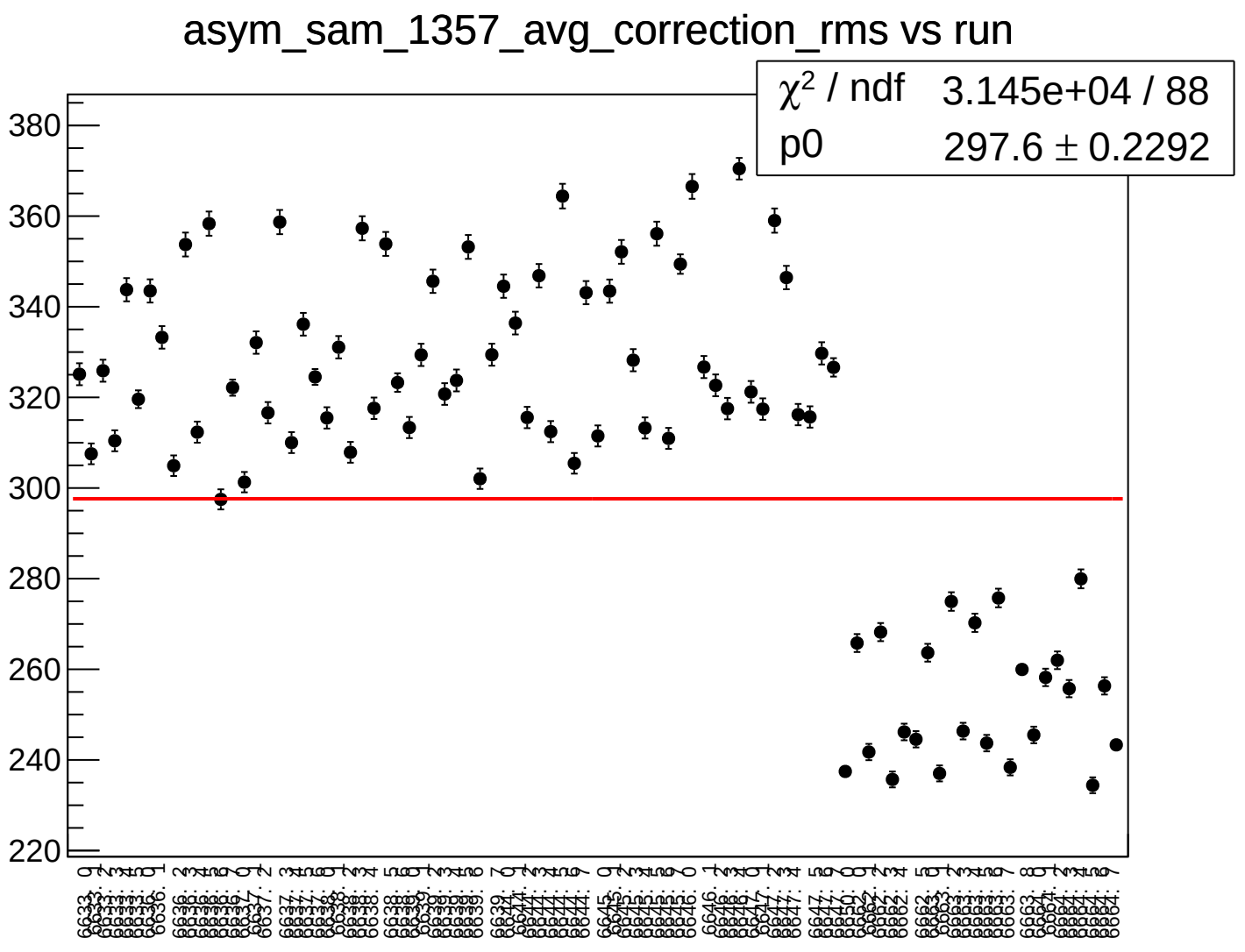

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 93.59 / 88
p0 36.72 ± 70.46
pull
Entries 89
Mean −47.02
Std Dev 20.9

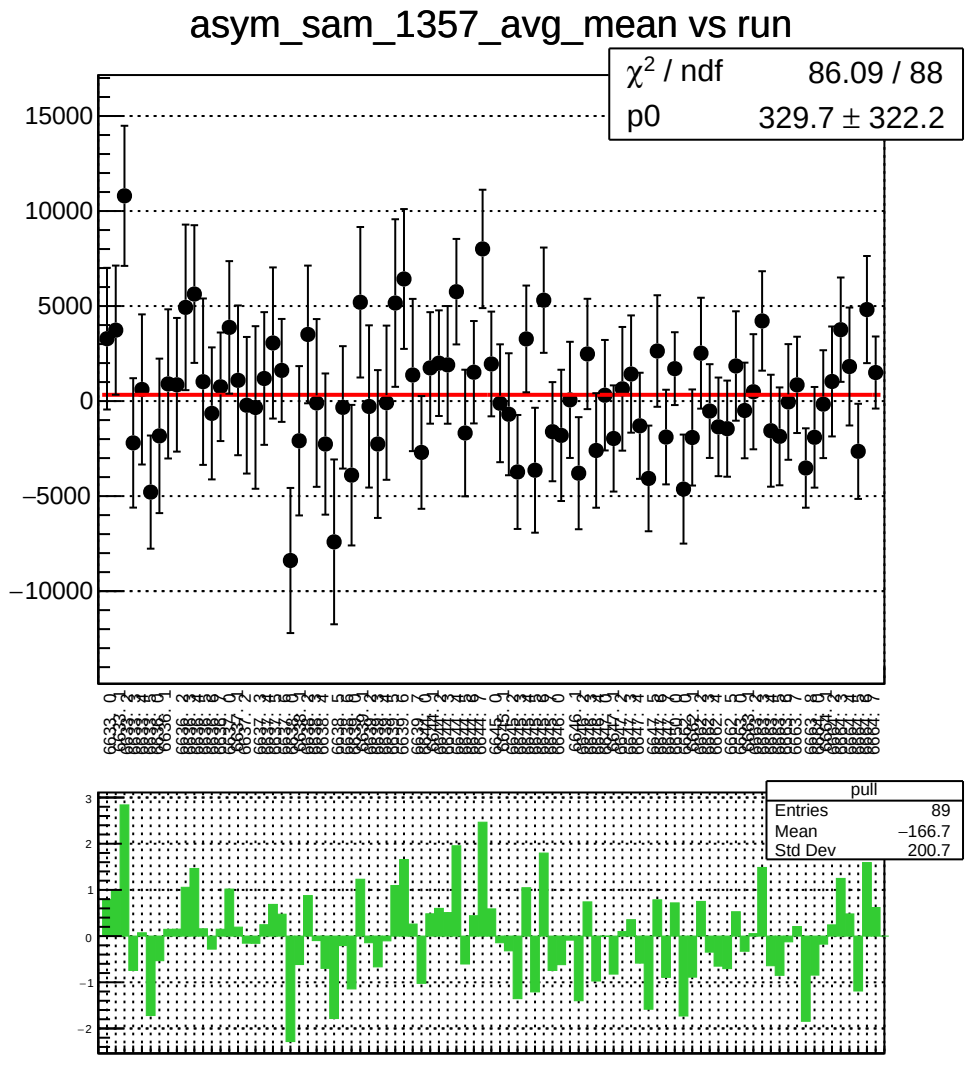

pull1D
Entries 89
Mean 0.006678
Std Dev 1.025

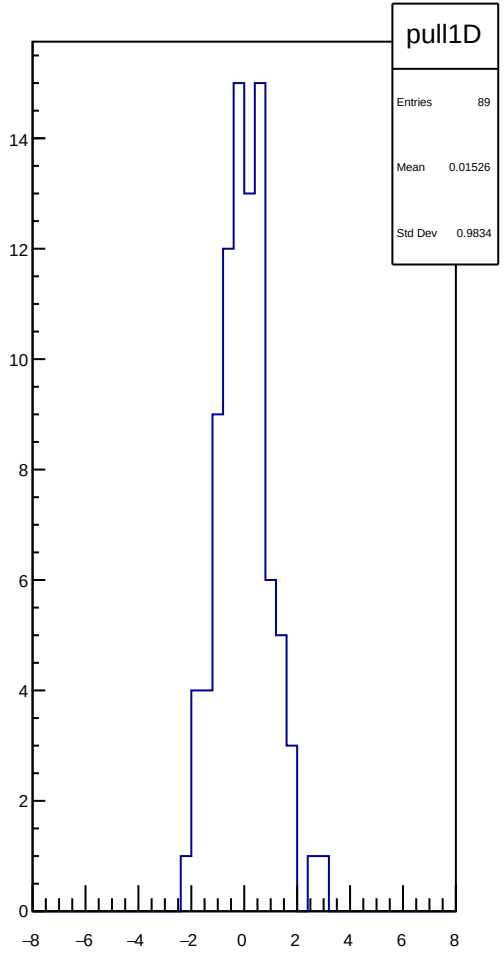

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 7.662e+04 / 88
p0 63.81 ± 0.04982
120
110
100
90
80
70
60
50
40

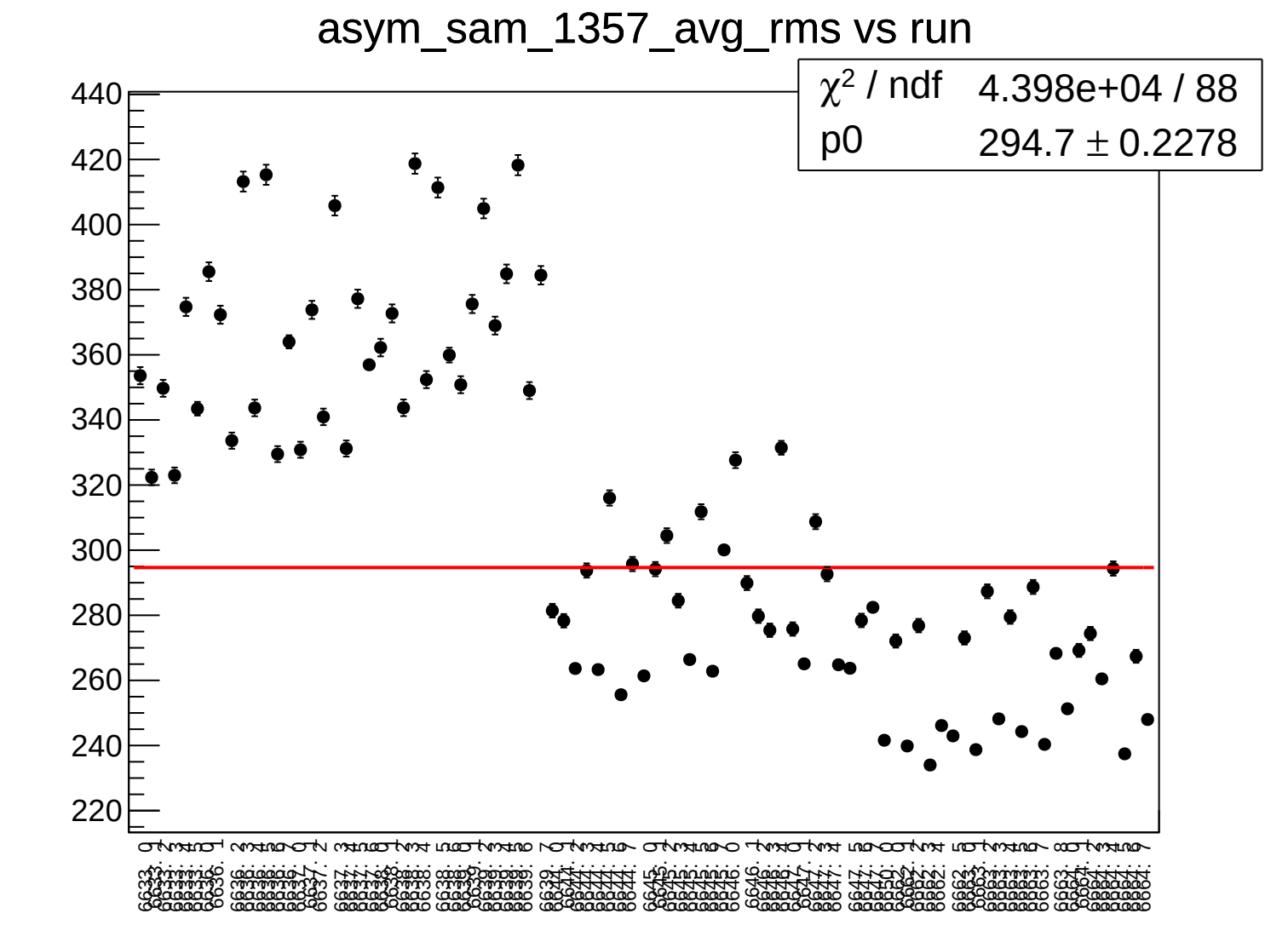

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 83.63 / 88
p0 −339.3 ± 324.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −201.3
Std Dev 235.8
2
1
0
−1
−2

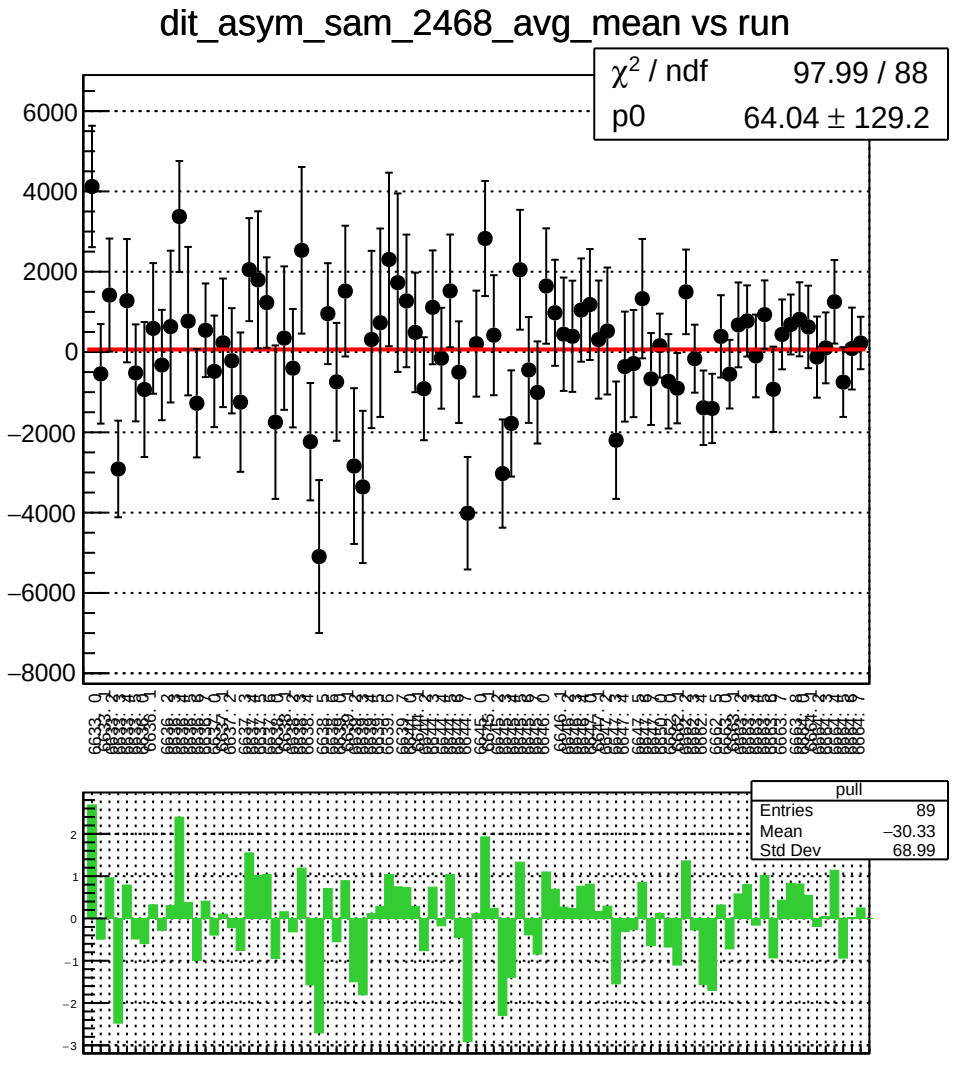

pull1D
Entries 89
Mean −0.01299
Std Dev 0.9693
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

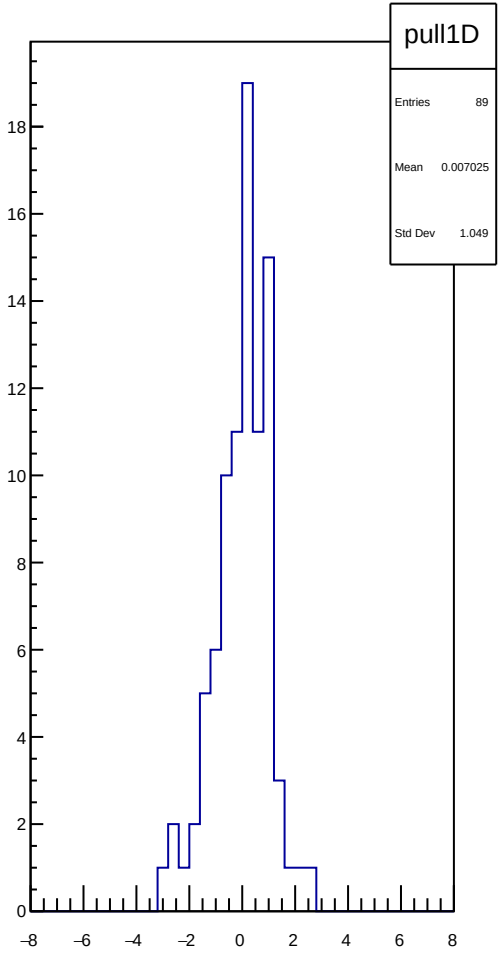

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3.145e+04 / 88
p0 297.6 ± 0.2292
380
360
340
320
300
280
260
240
220

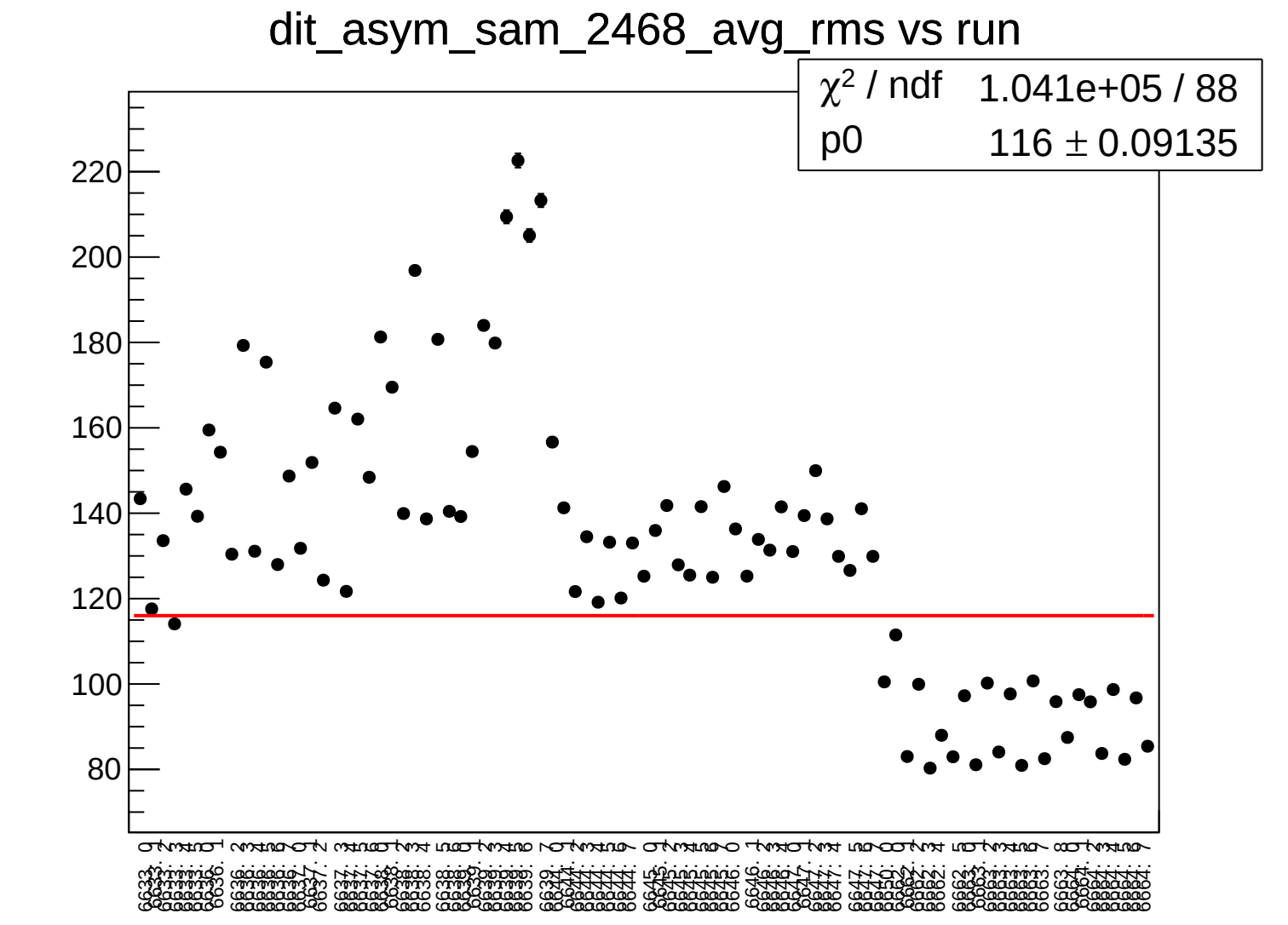

asym_sam_1357_avg_mean vs run
χ² / ndf 86.09 / 88
p0 329.7 ± 322.2
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −166.7
Std Dev 200.7
3
2
1
0
−1
−2

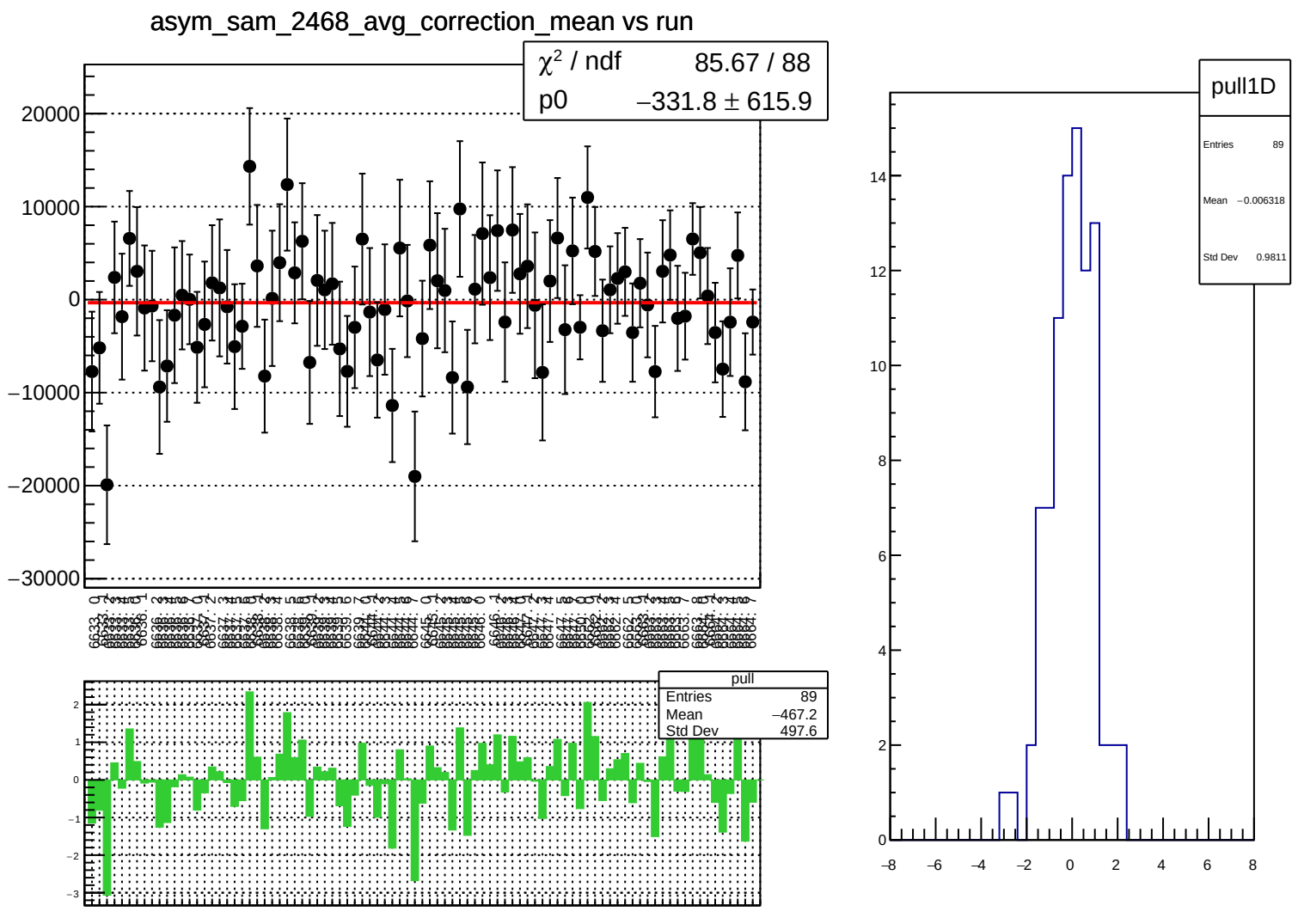

pull1D
Entries 89
Mean 0.01526
Std Dev 0.9834
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

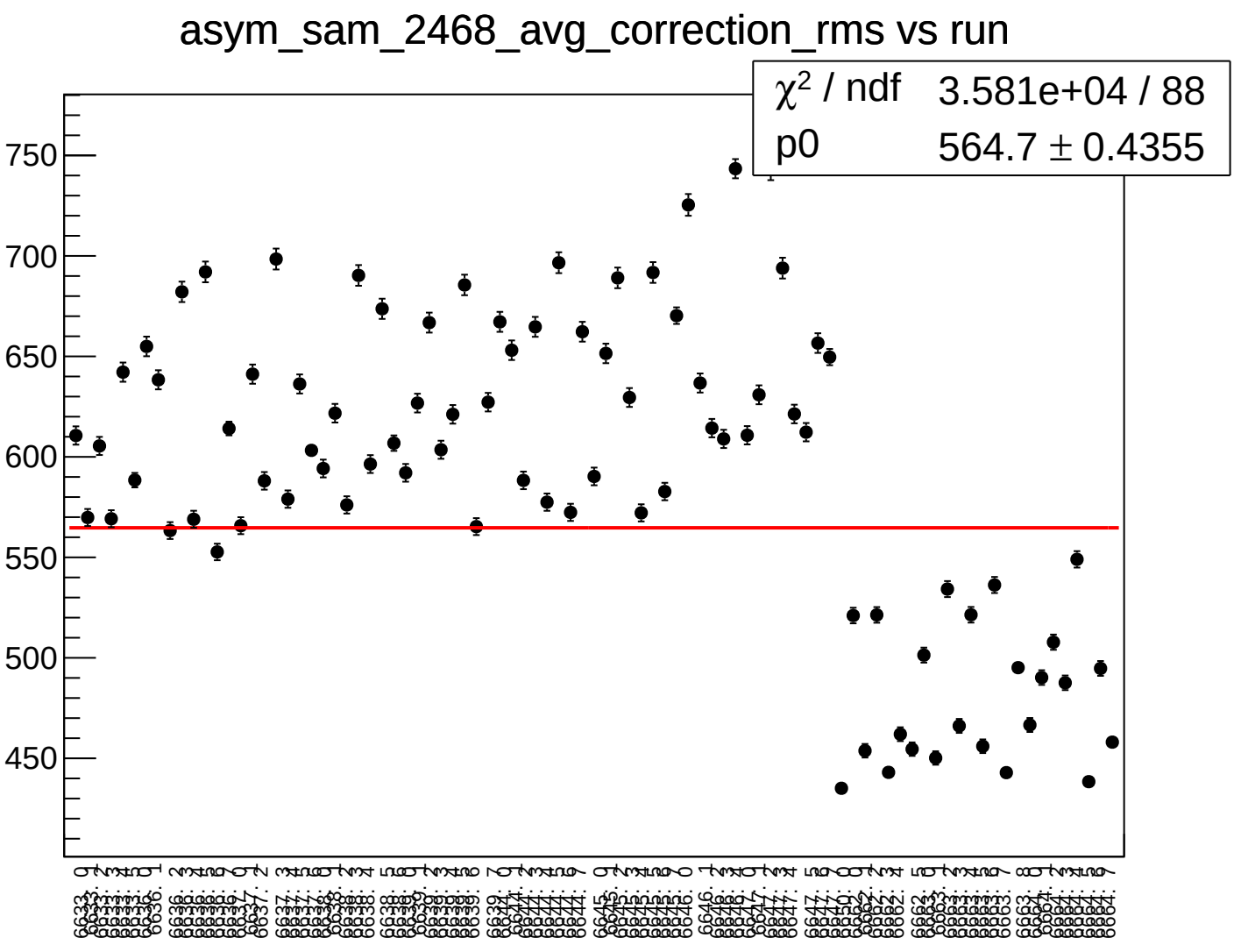

asym_sam_1357_avg_rms vs run
χ^2 / ndf 4.398e+04 / 88
p0 294.7 ± 0.2278
440
420
400
380
360
340
320
300
280
260
240
220

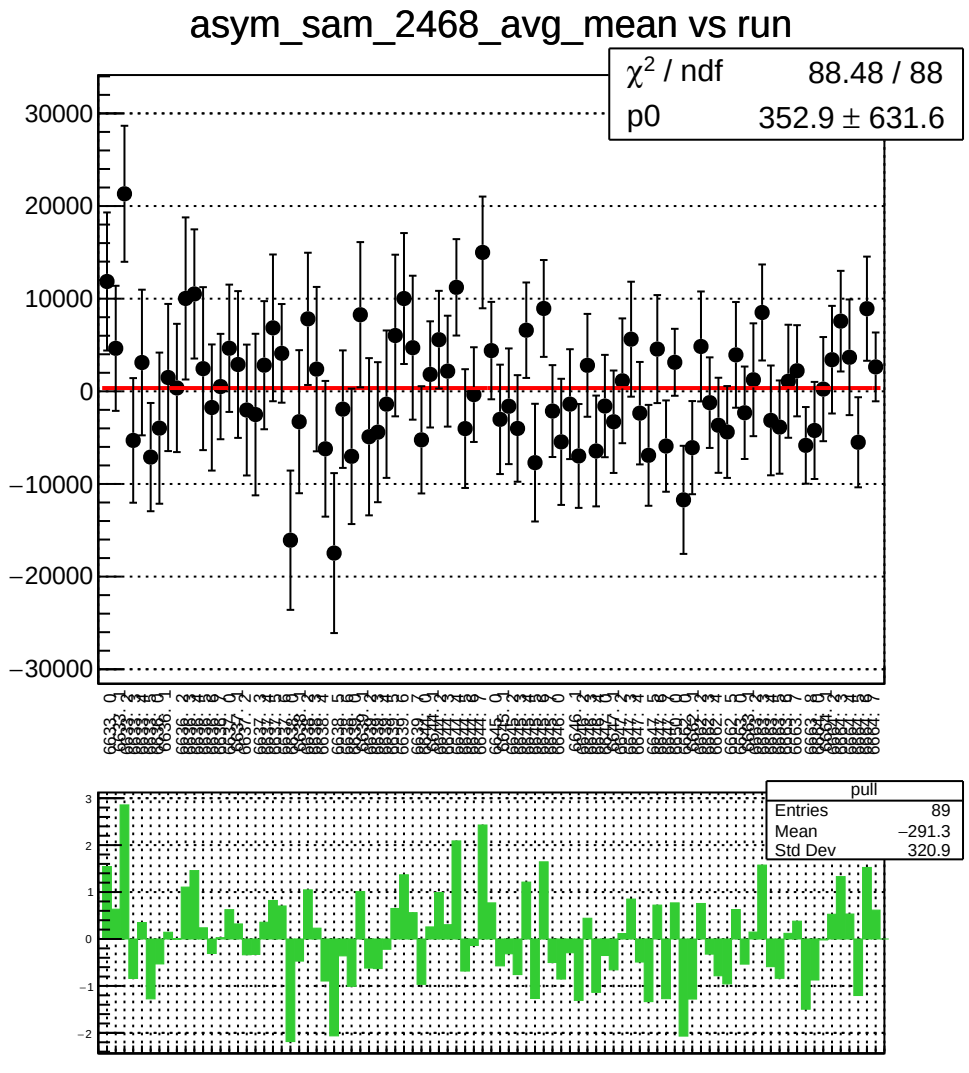

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 97.99 / 88
p0 64.04 ± 129.2
pull
Entries 89
Mean −30.33
Std Dev 68.99

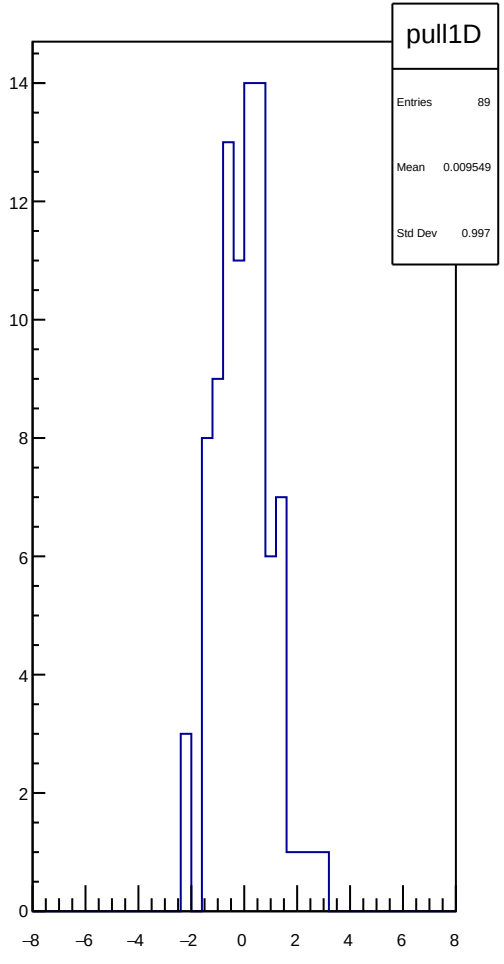

pull1D
Entries 89
Mean 0.007025
Std Dev 1.049

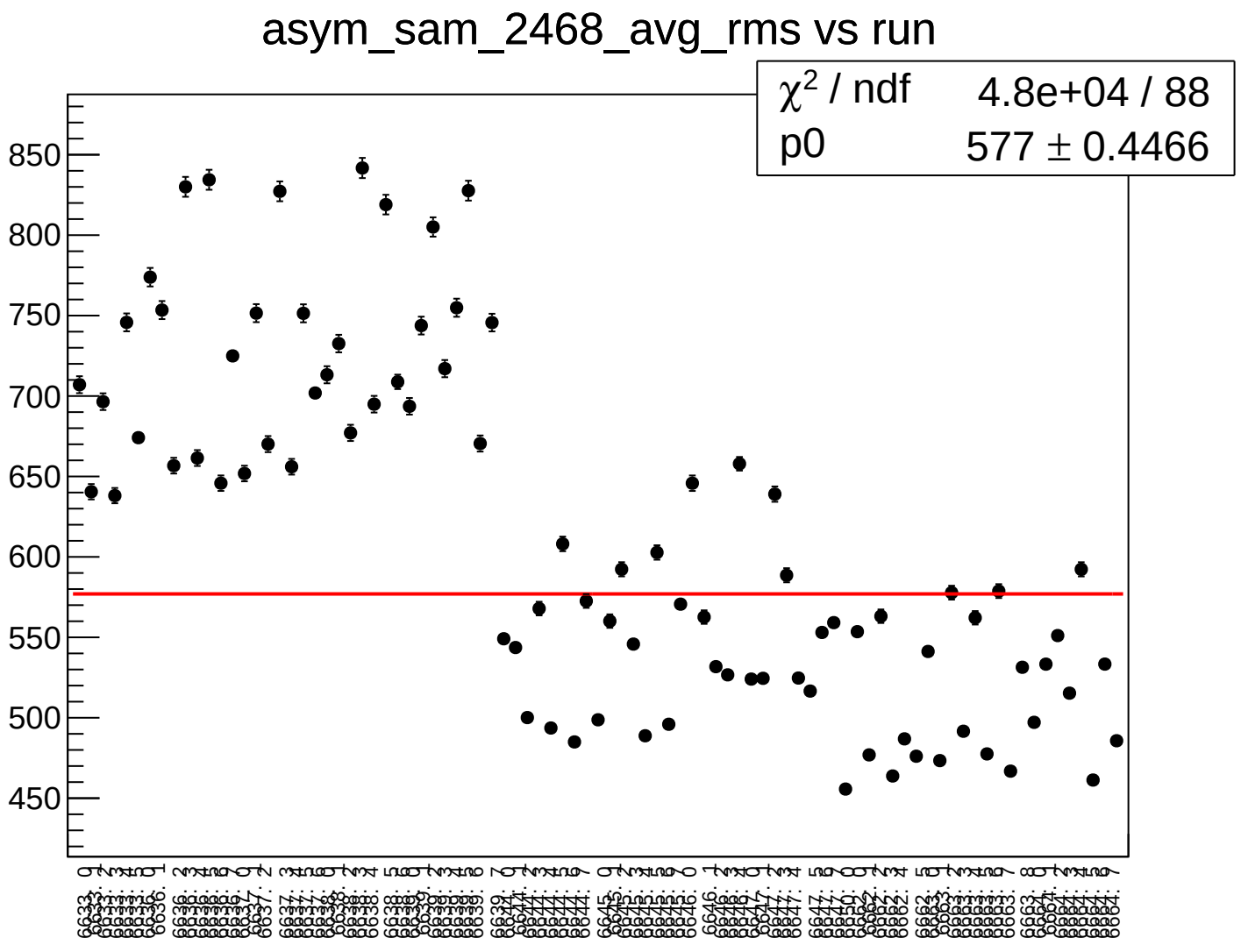

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.041e+05 / 88
p0 116 ± 0.09135
220
200
180
160
140
120
100
80

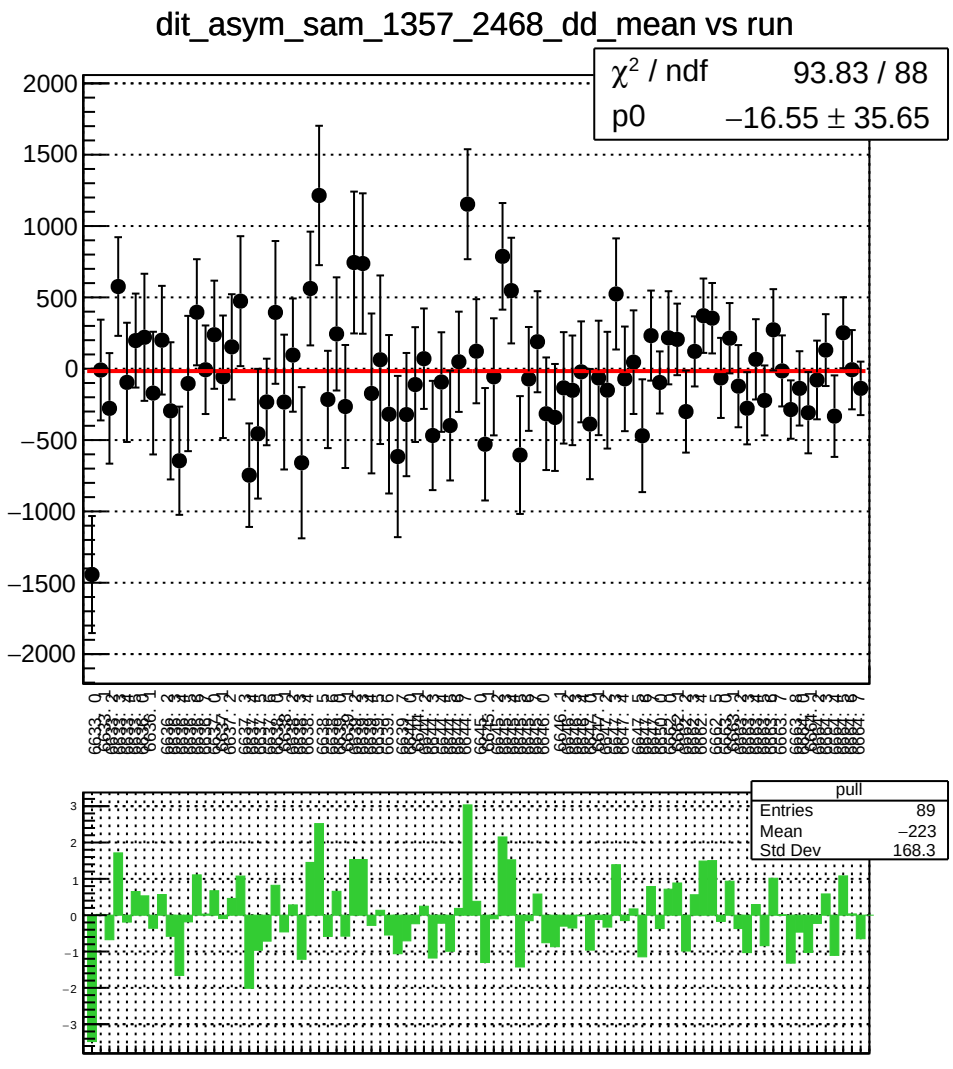

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 85.67 / 88
p0 −331.8 ± 615.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −467.2
Std Dev 497.6
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.006318
Std Dev 0.9811
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

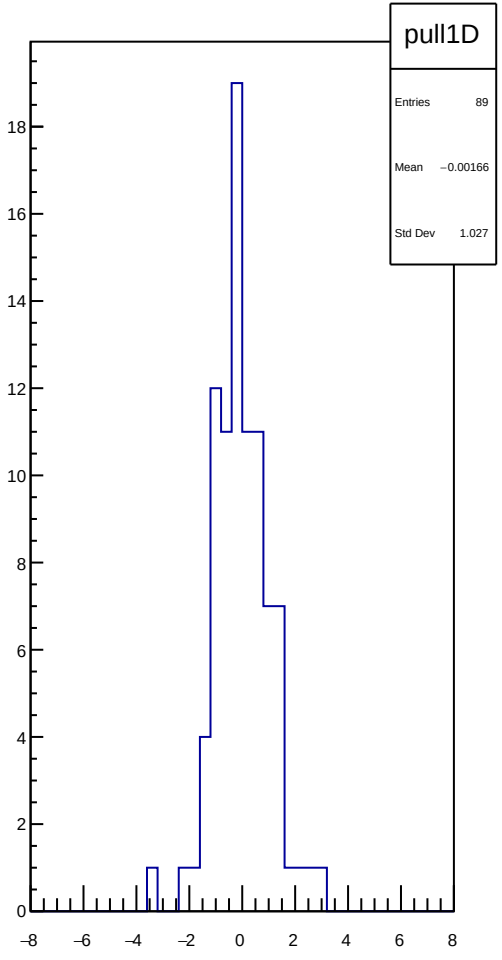

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3.581e+04 / 88
p0 564.7 ± 0.4355
750
700
650
600
550
500
450

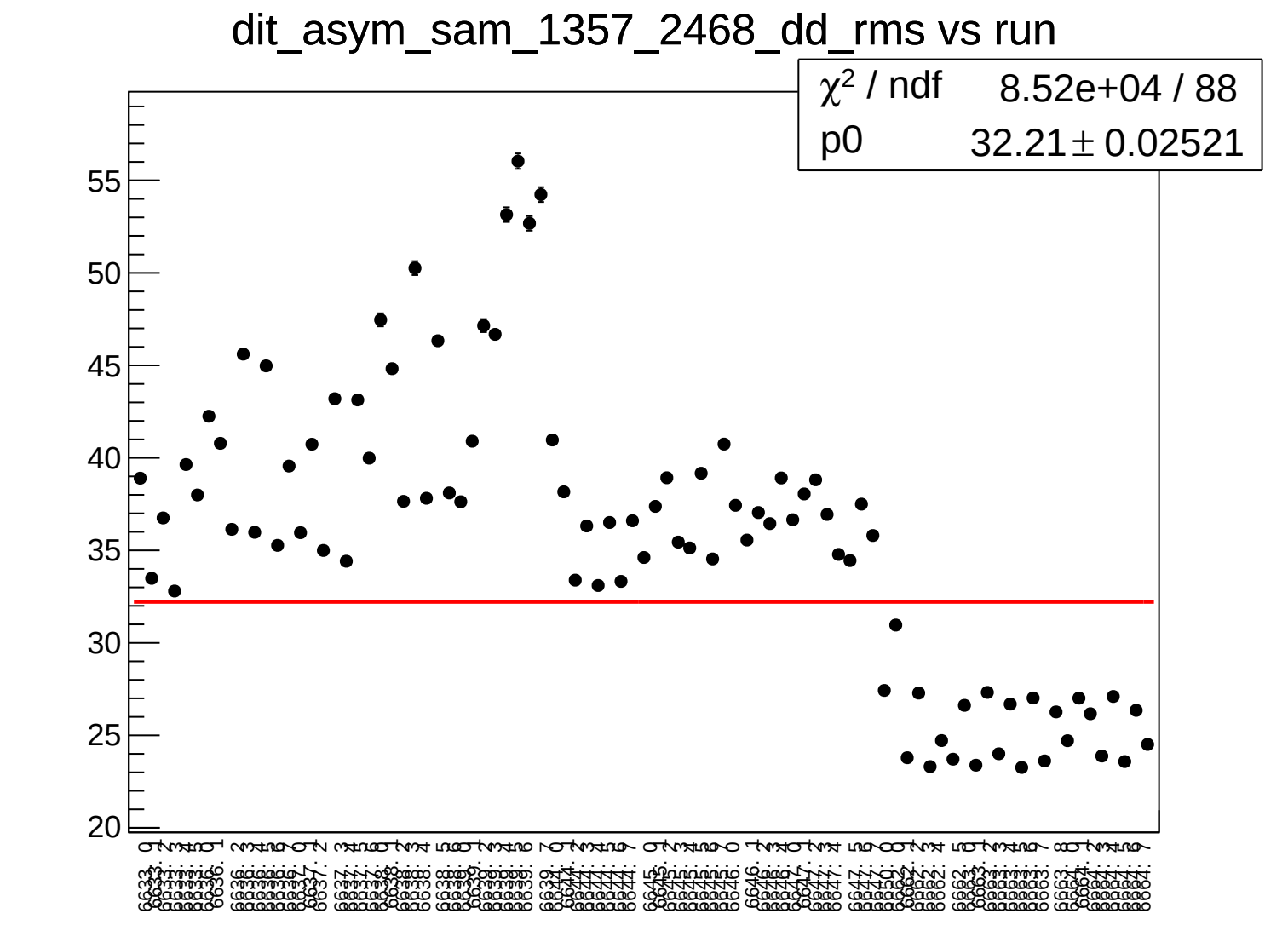

asym_sam_2468_avg_mean vs run
χ² / ndf 88.48 / 88
p0 352.9 ± 631.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −291.3
Std Dev 320.9
3
2
1
0
−1
−2

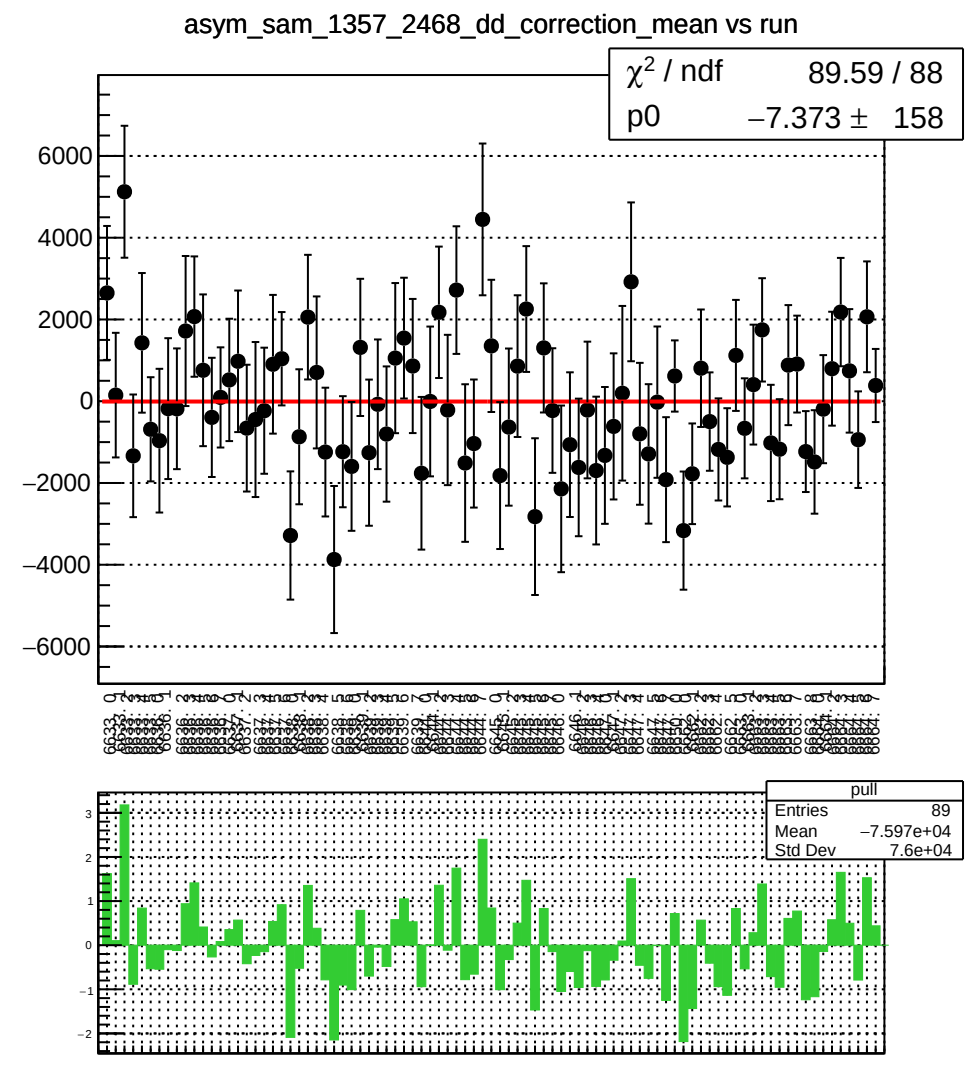

pull1D
Entries 89
Mean 0.009549
Std Dev 0.997
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

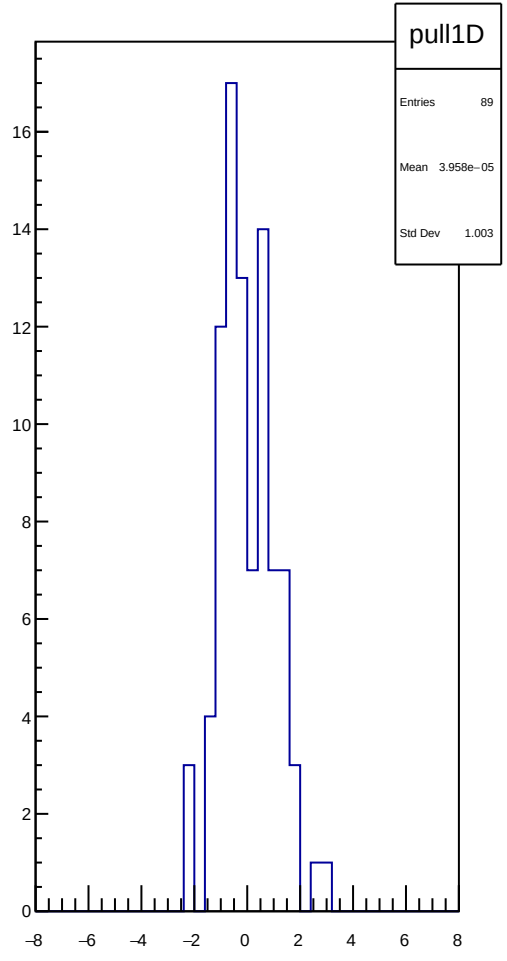

asym_sam_2468_avg_rms vs run
χ² / ndf 4.8e+04 / 88
p0 577 ± 0.4466
850
800
750
700
650
600
550
500
450

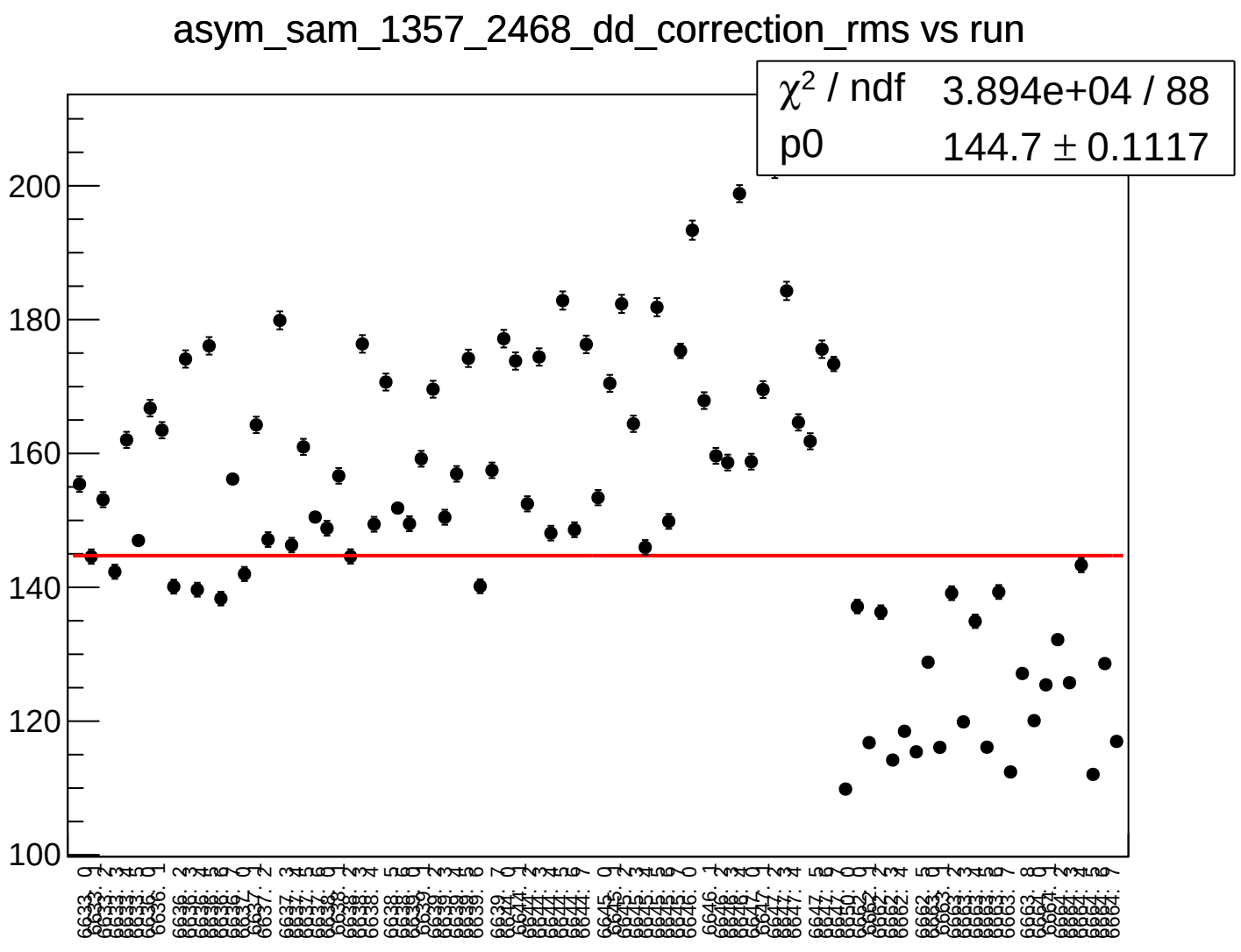

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 93.83 / 88
p0 −16.55 ± 35.65
pull
Entries 89
Mean −223
Std Dev 168.3

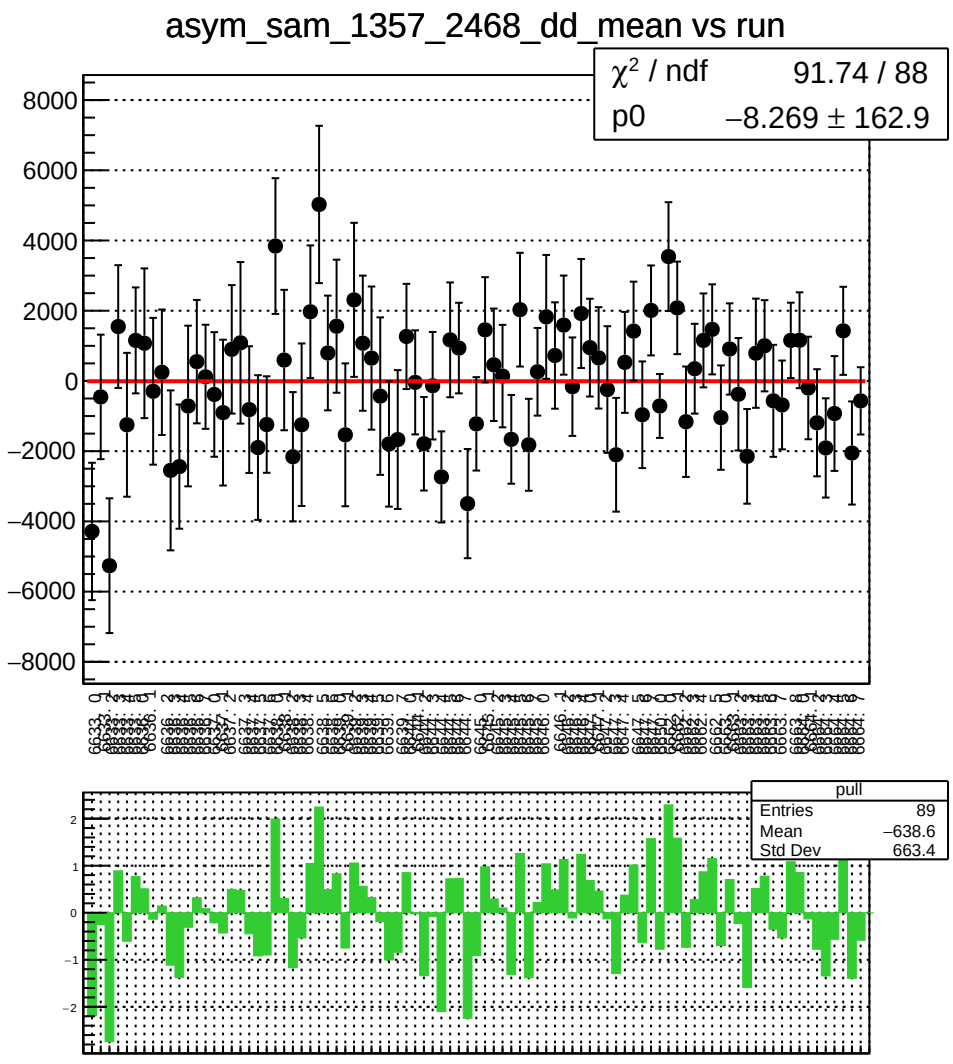

pull1D
Entries 89
Mean −0.00166
Std Dev 1.027

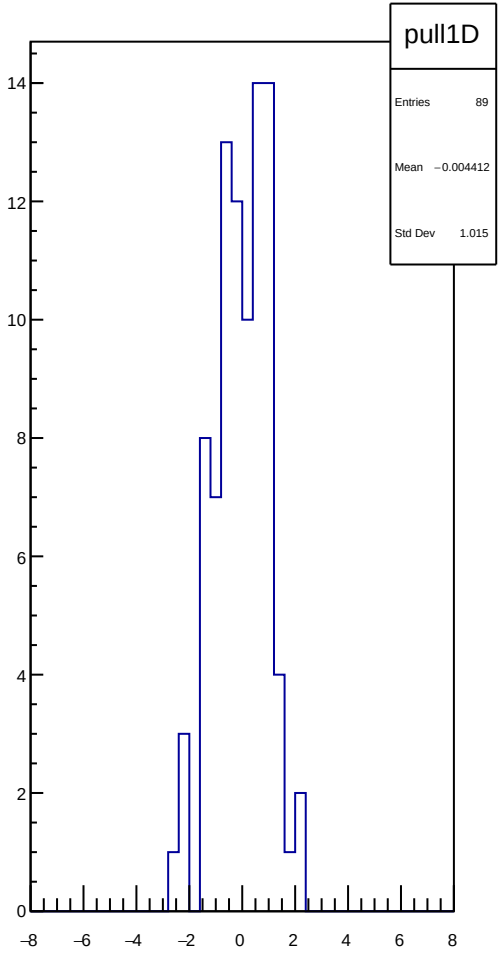

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8.52e+04 / 88
p0 32.21 ± 0.02521
55
50
45
40
35
30
25
20

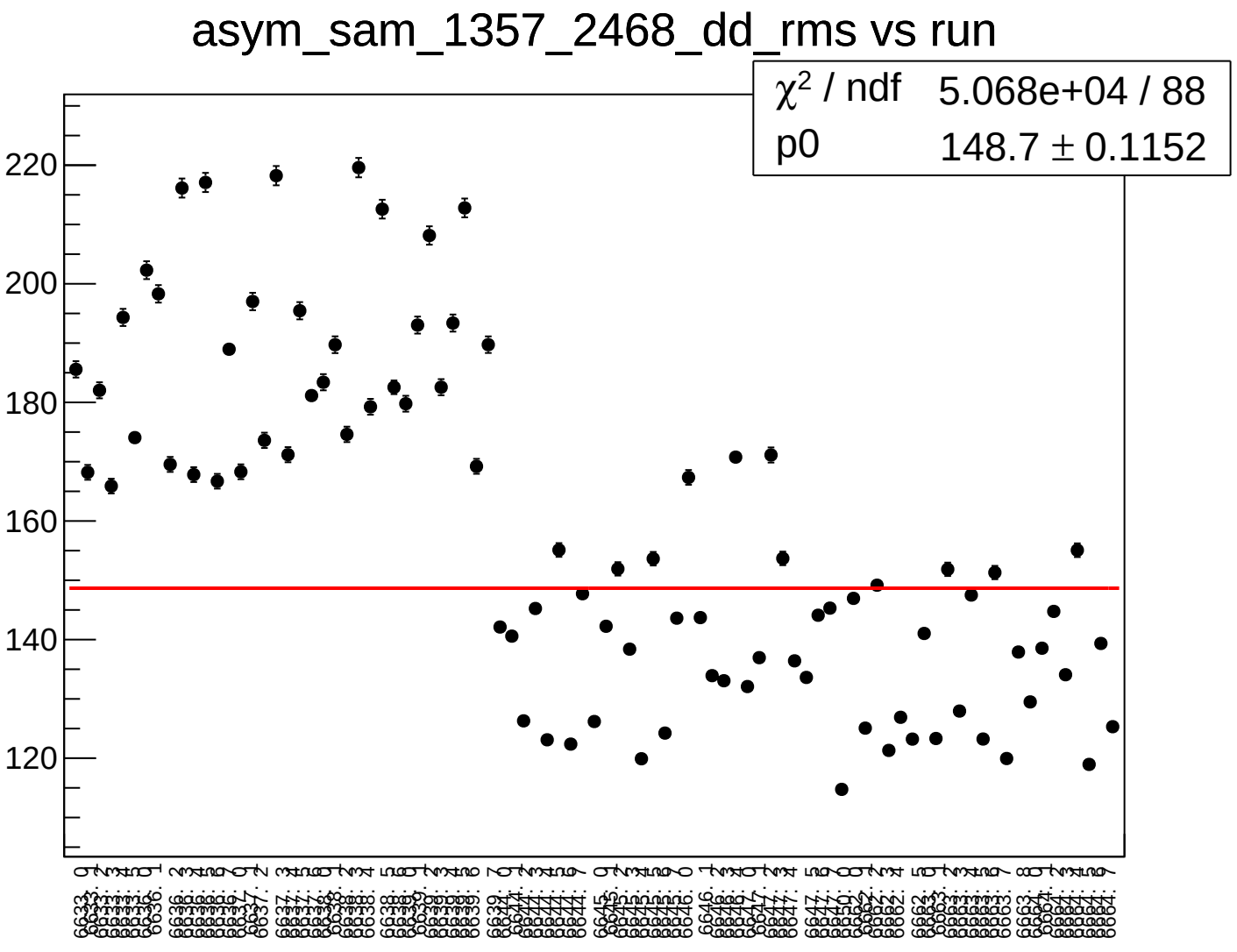

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 89.59 / 88
p0 −7.373 ± 158
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −7.597e+04
Std Dev 7.6e+04
3
2
1
0
−1
−2

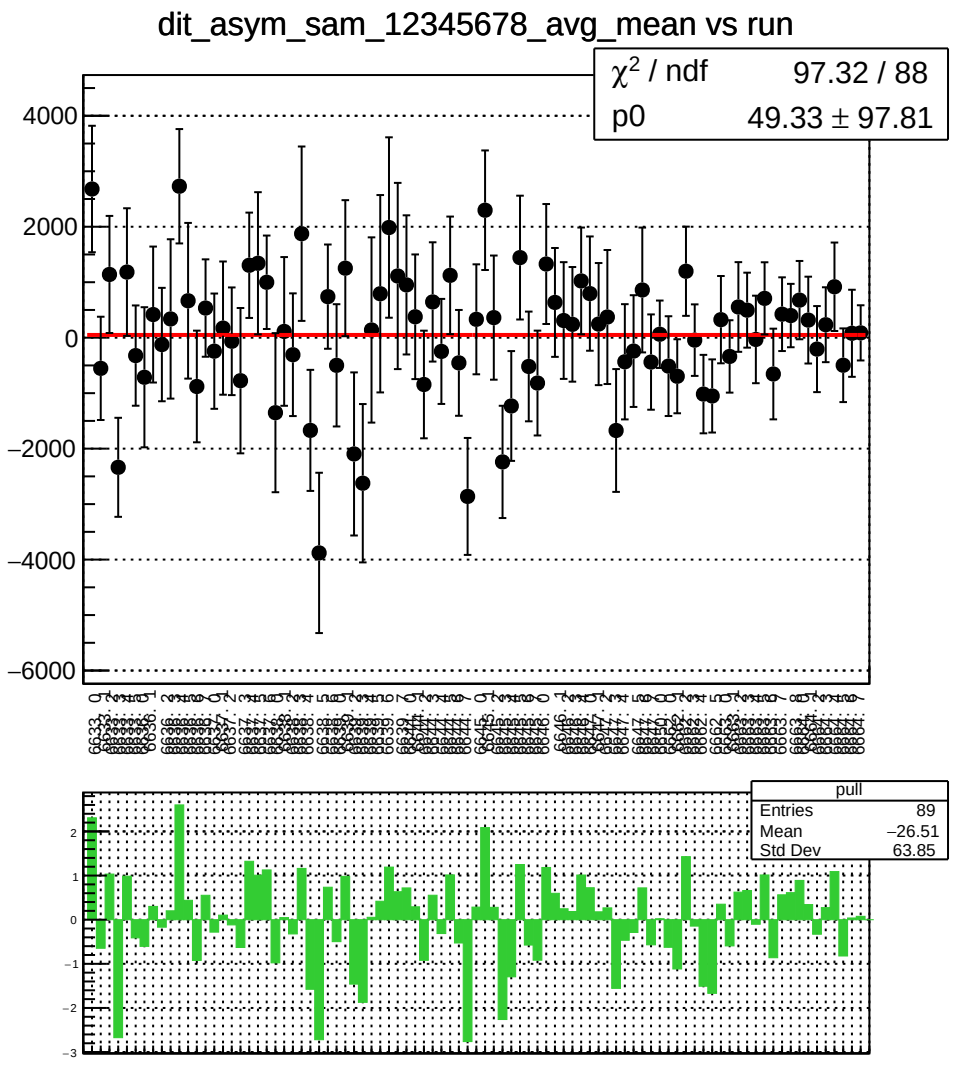

pull1D
Entries 89
Mean 3.958e−05
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

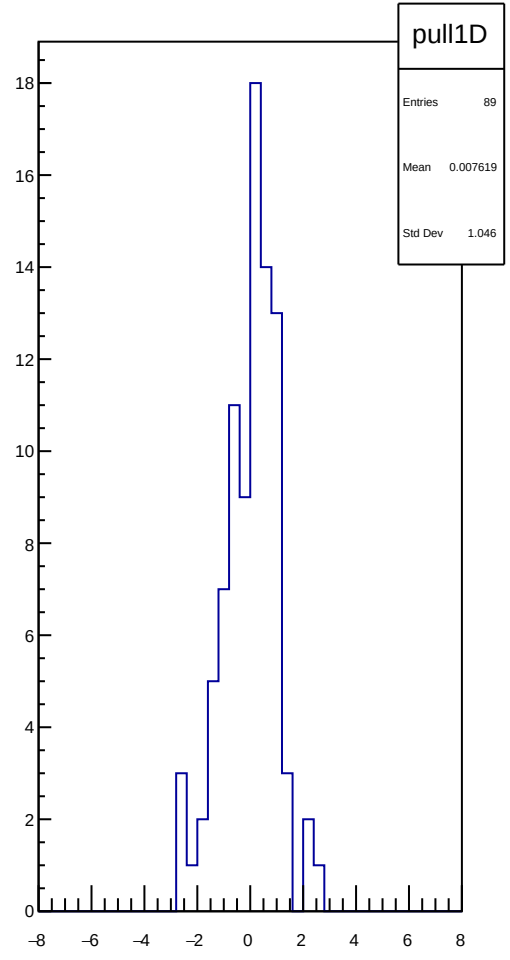

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3.894e+04 / 88
p0 144.7 ± 0.1117
200
180
160
140
120
100

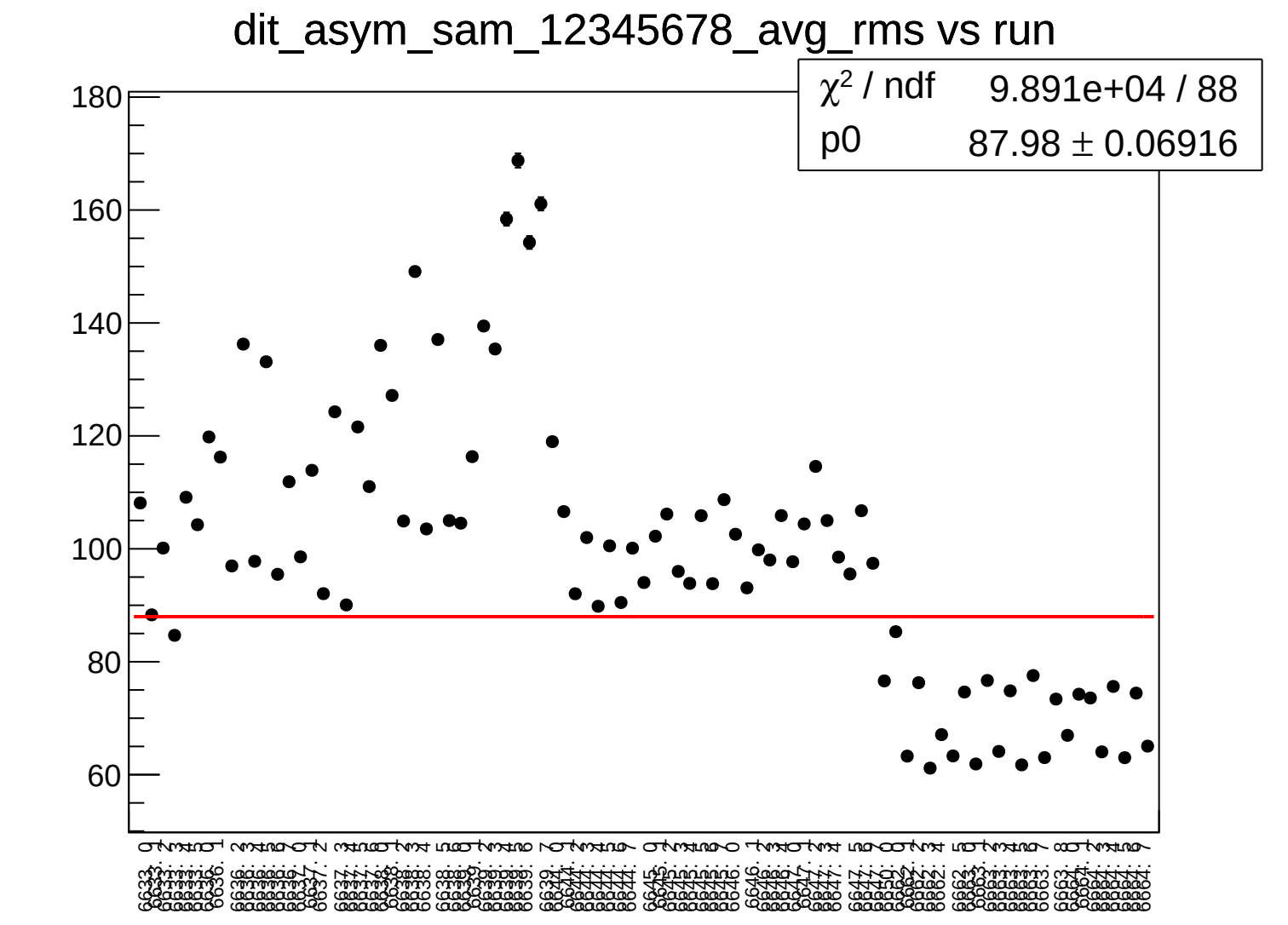

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 91.74 / 88
p0 −8.269 ± 162.9
pull
Entries 89
Mean −638.6
Std Dev 663.4

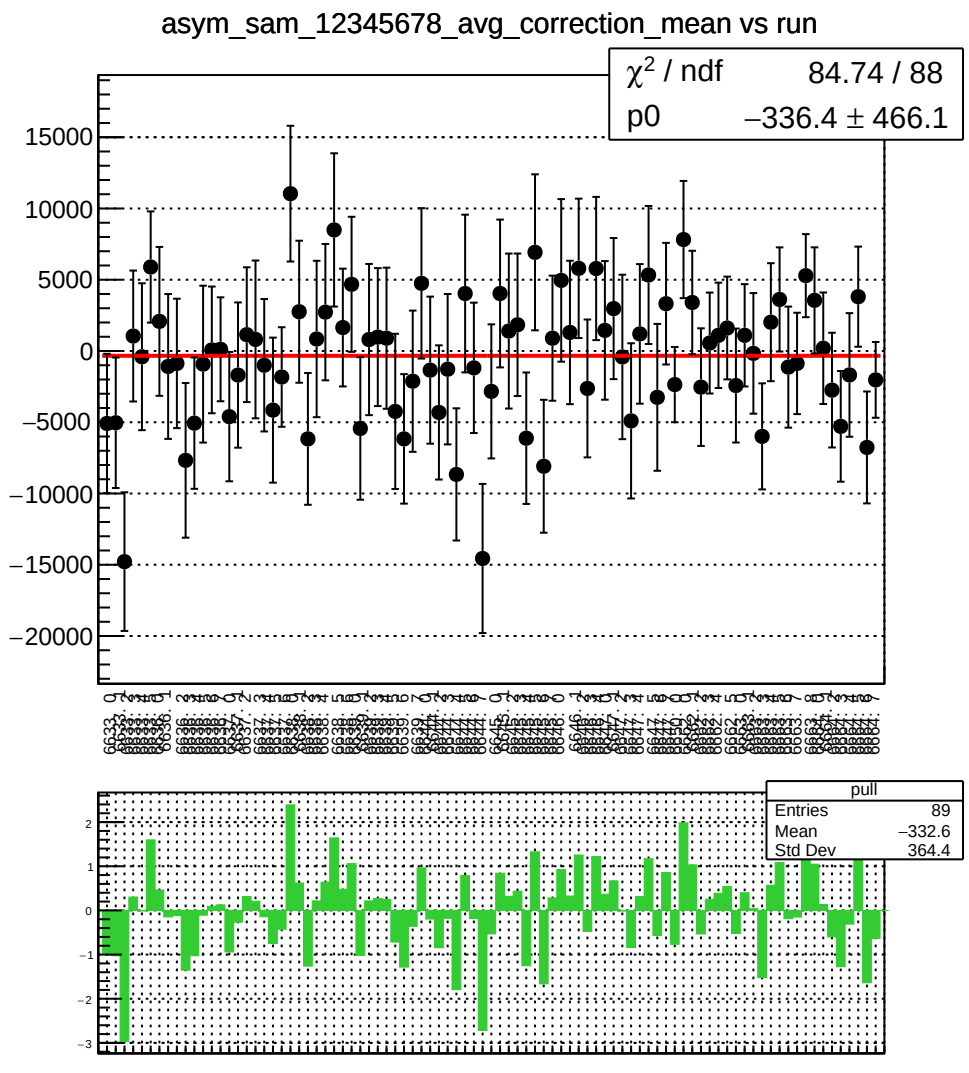

pull1D
Entries 89
Mean −0.004412
Std Dev 1.015

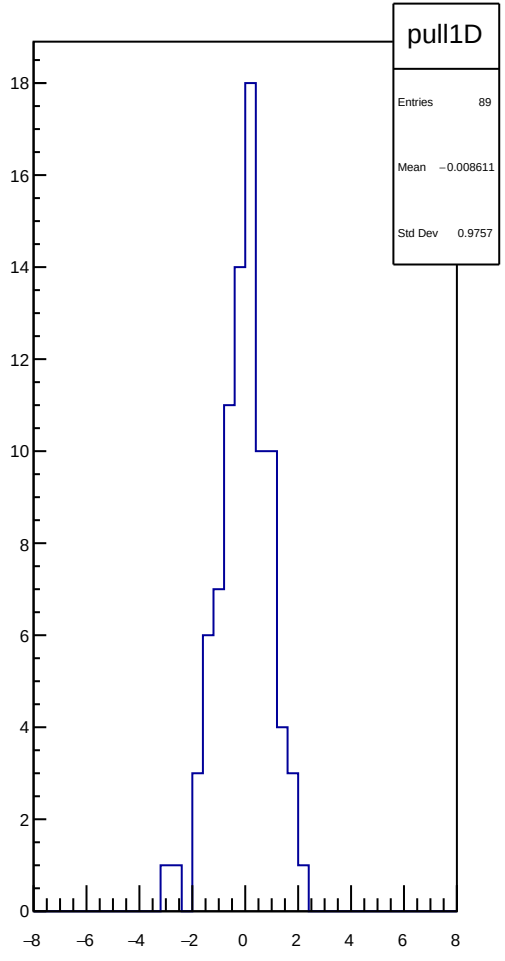

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 5.068e+04 / 88
p0 148.7 ± 0.1152
220
200
180
160
140
120

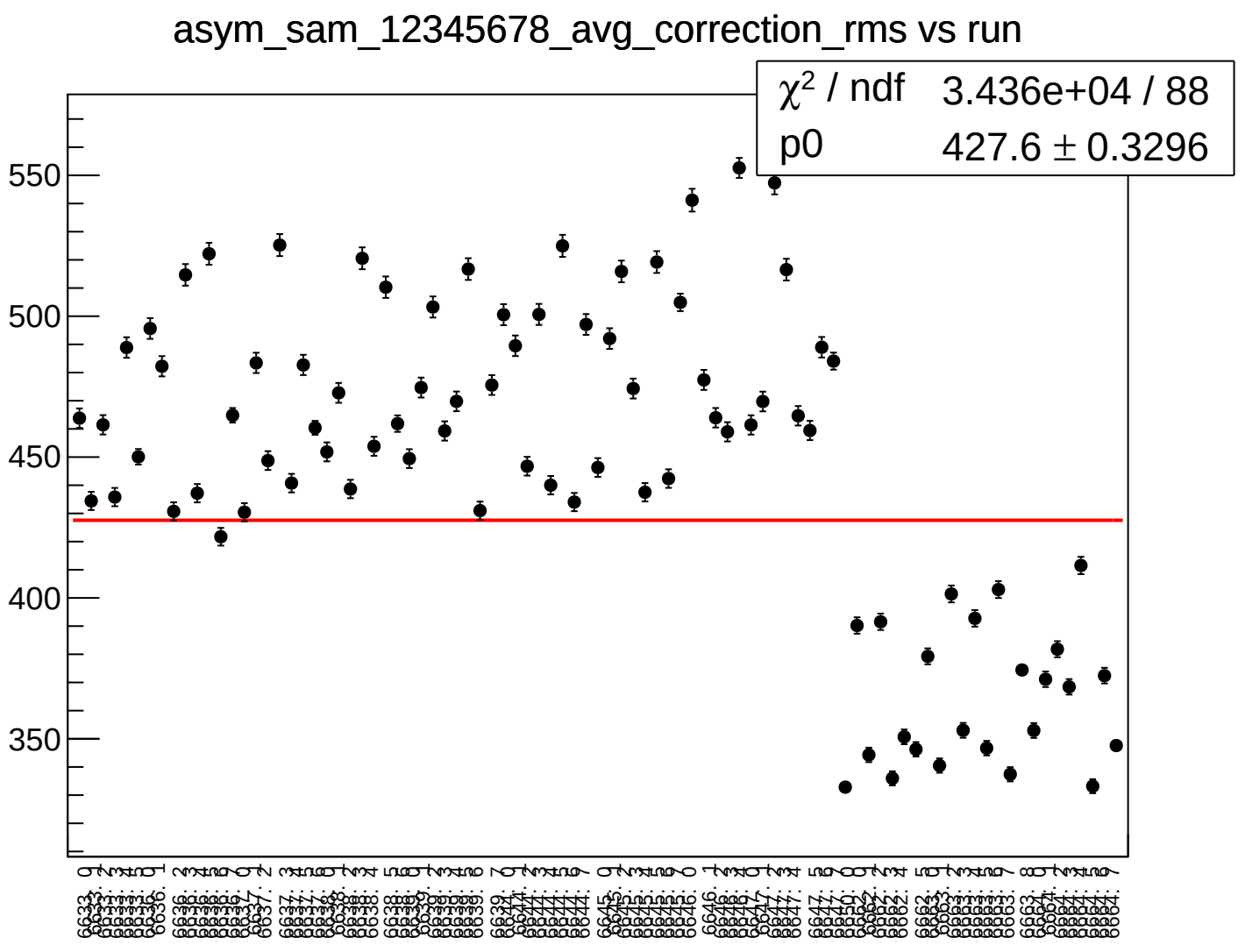

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 97.32 / 88
p0 49.33 ± 97.81
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −26.51
Std Dev 63.85
2
1
0
−1
−2
−3

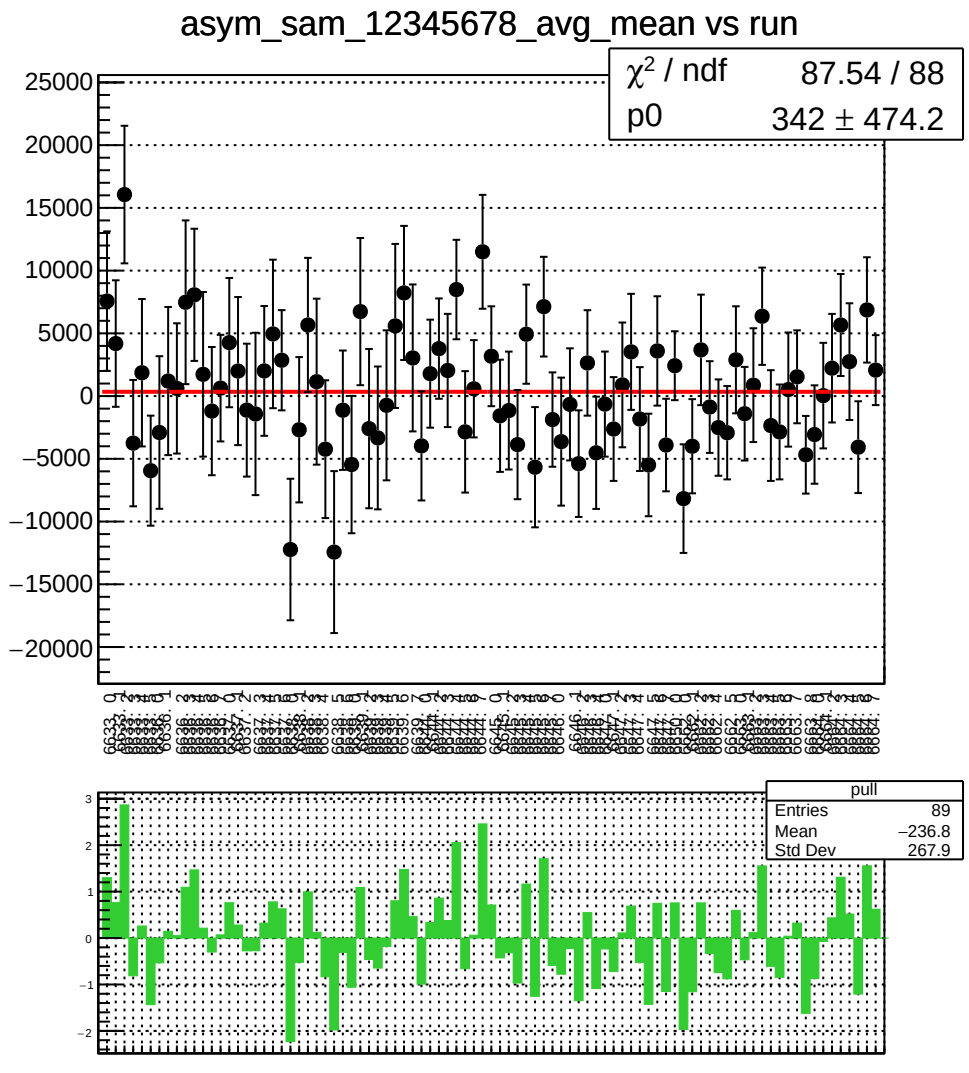

pull1D
Entries 89
Mean 0.007619
Std Dev 1.046
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

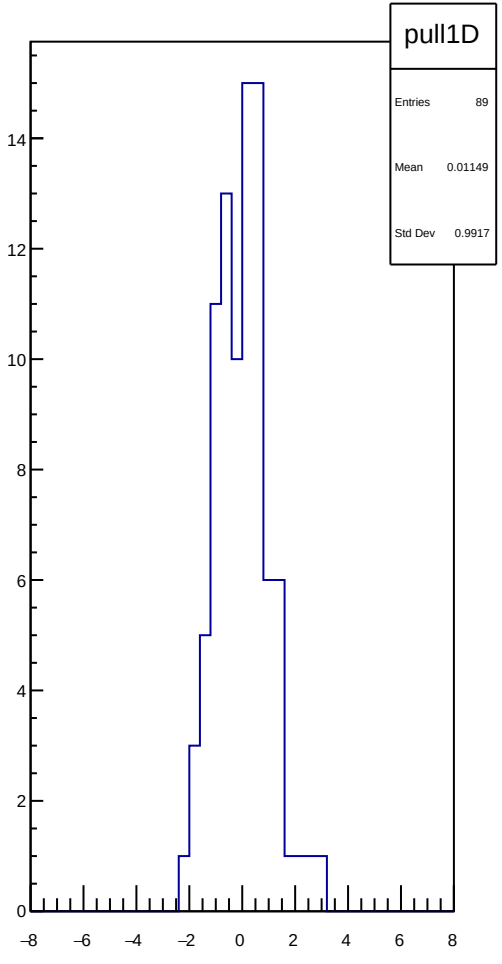

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 9.891e+04 / 88
p0 87.98 ± 0.06916
180
160
140
120
100
80
60

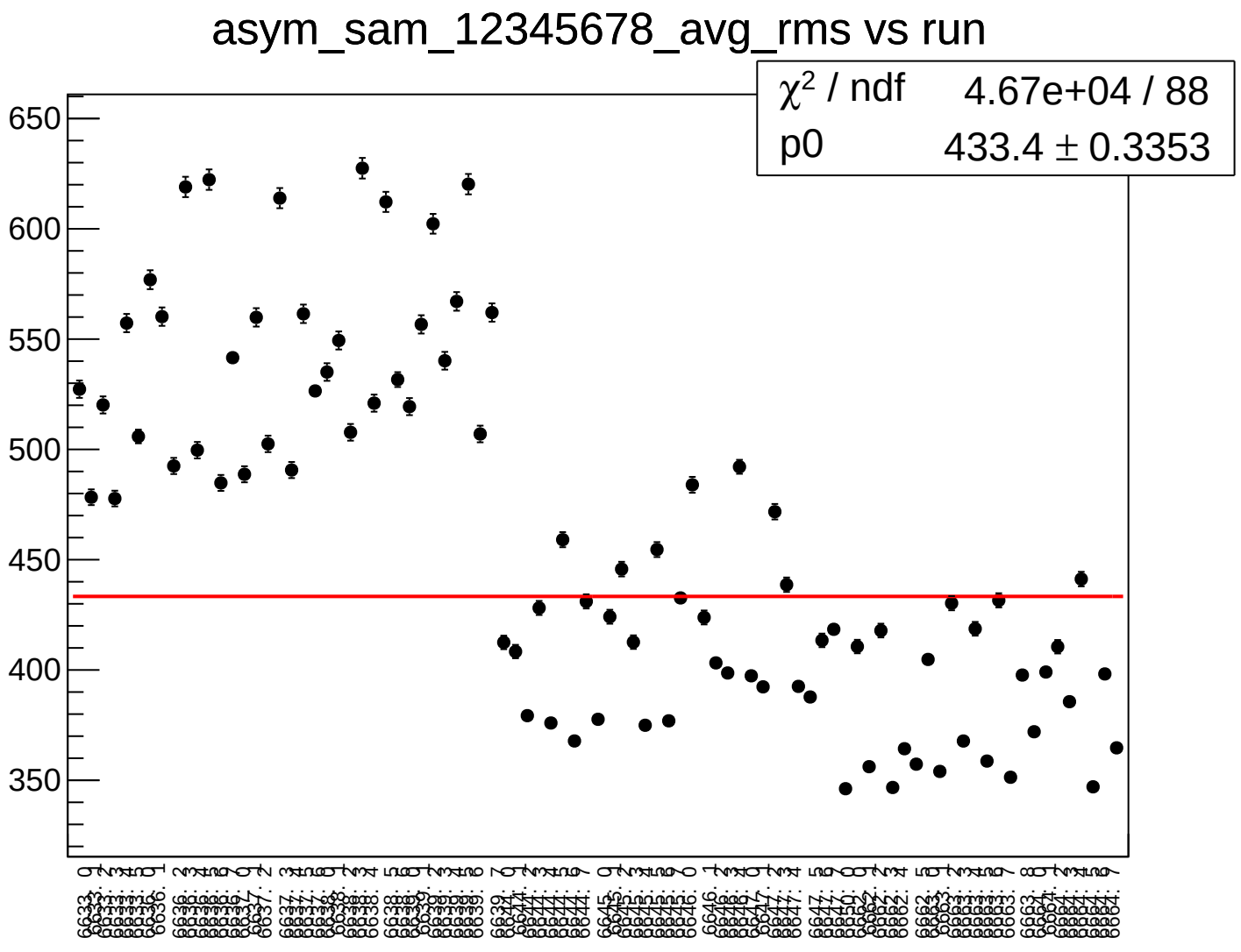

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 84.74 / 88
p0 −336.4 ± 466.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 89
Mean −332.6
Std Dev 364.4
2
1
0
−1
−2
−3

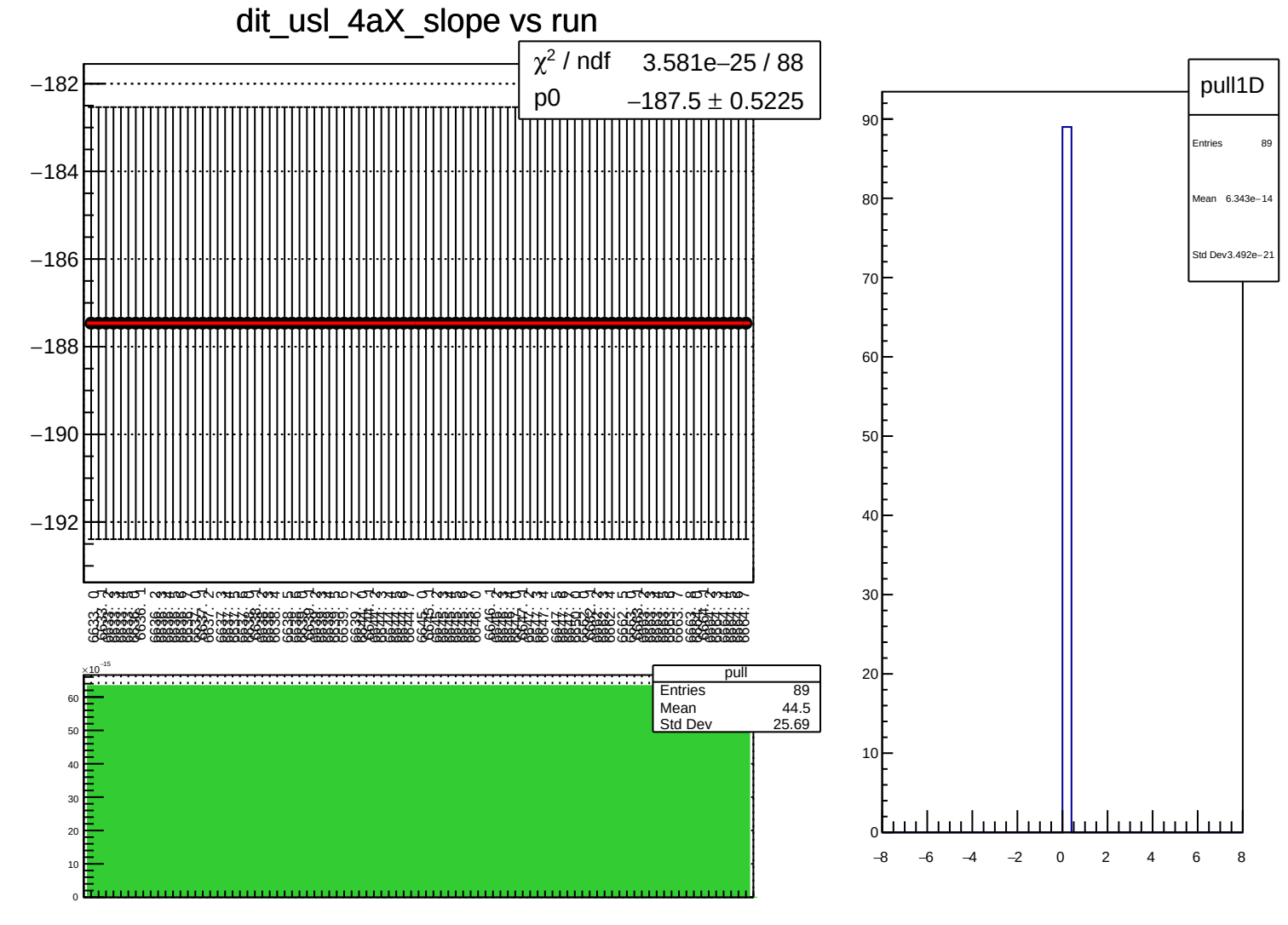

pull1D
Entries 89
Mean −0.008611
Std Dev 0.9757
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

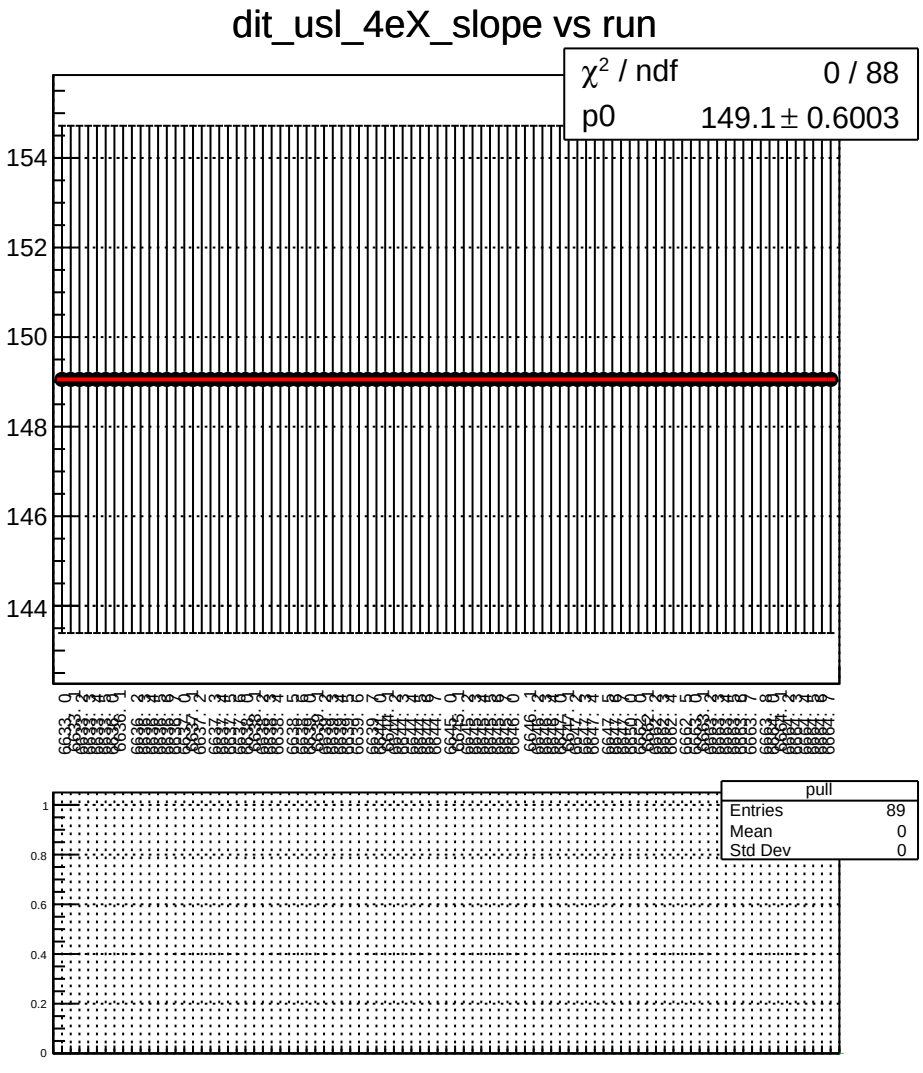

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3.436e+04 / 88
p0 427.6 ± 0.3296
550
500
450
400
350

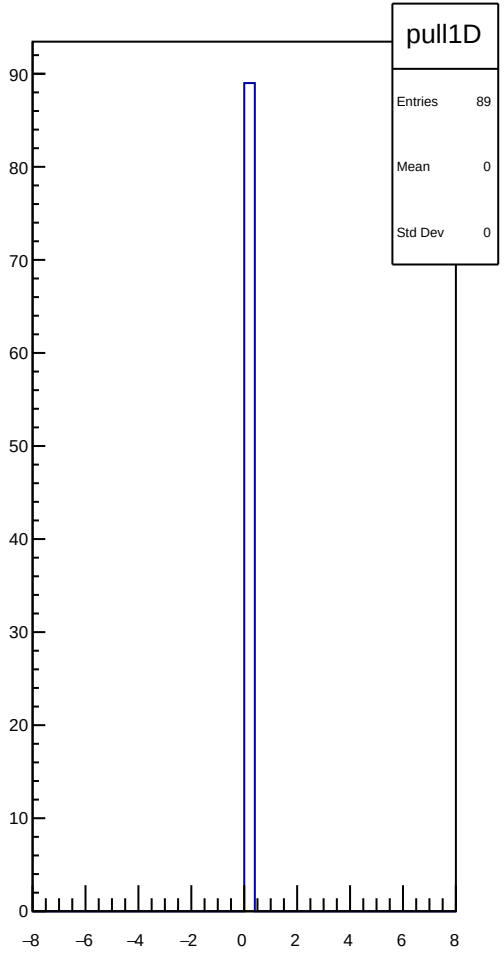

asym_sam_12345678_avg_mean vs run
χ² / ndf 87.54 / 88
p0 342 ± 474.2
pull
Entries 89
Mean −236.8
Std Dev 267.9

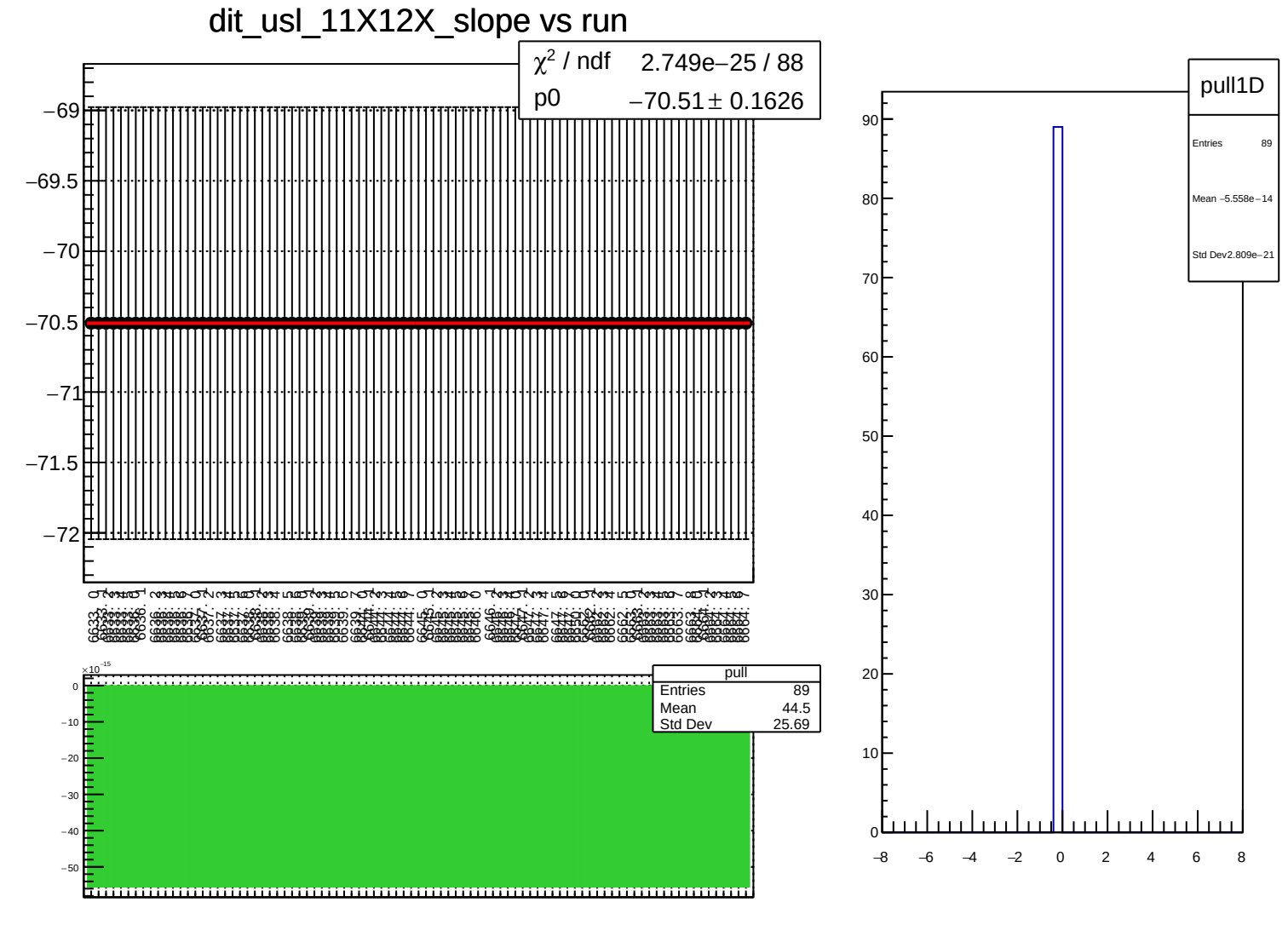

pull1D
Entries 89
Mean 0.01149
Std Dev 0.9917

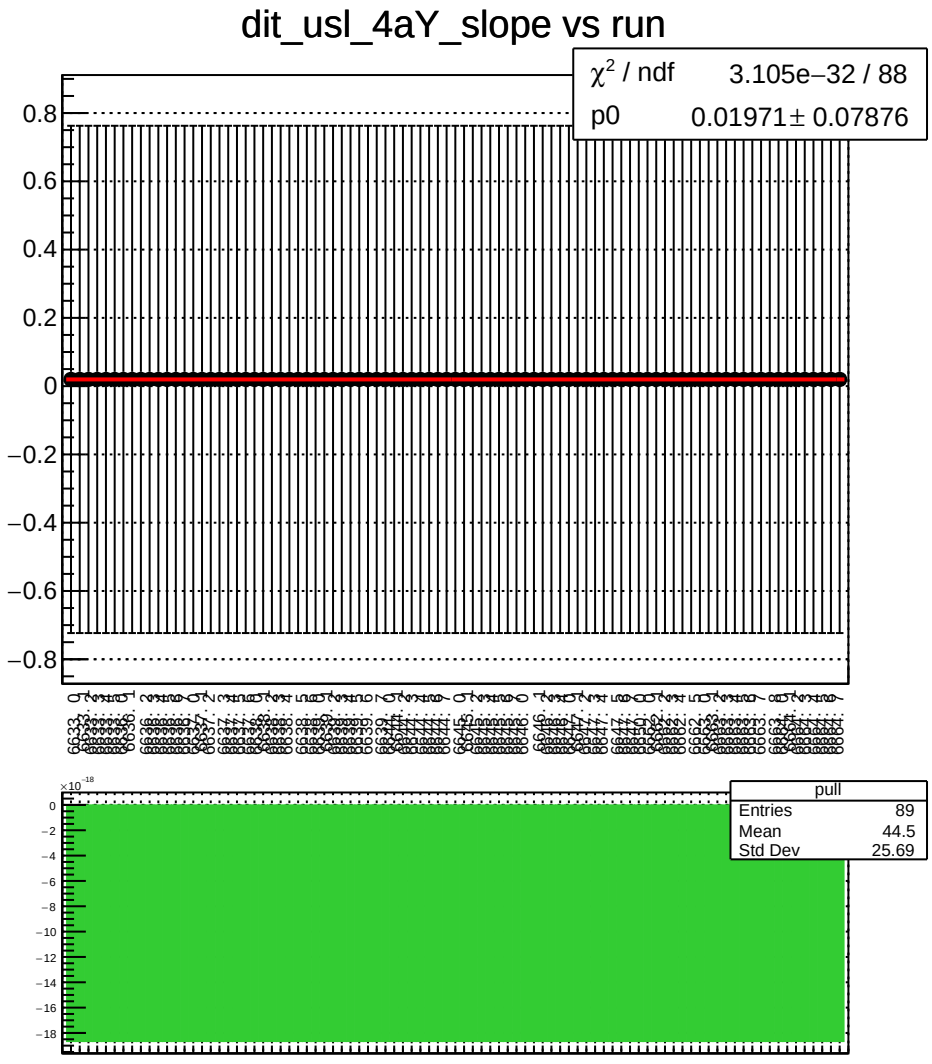

asym_sam_12345678_avg_rms vs run
χ² / ndf 4.67e+04 / 88
p0 433.4 ± 0.3353
650
600
550
500
450
400
350

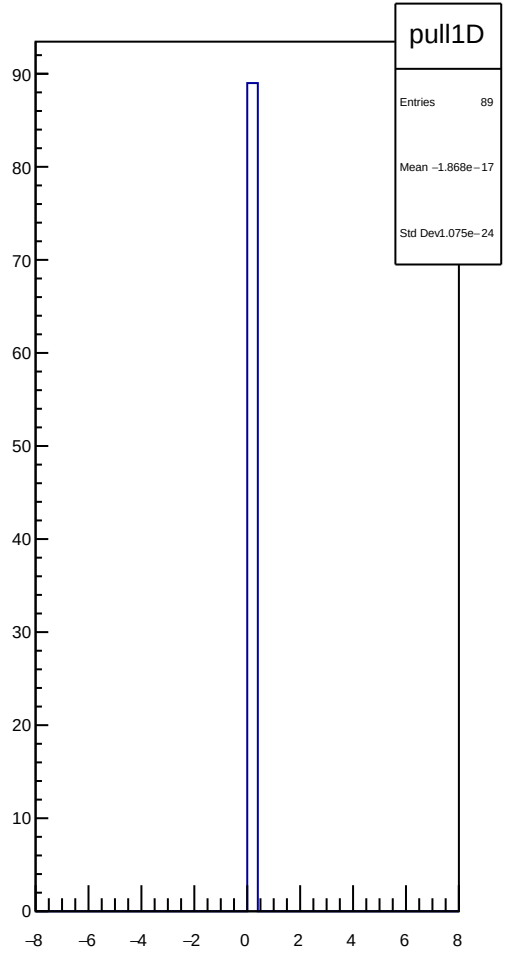

dit_usl_4aX_slope vs run
χ^2 / ndf 3.581e−25 / 88
p0 −187.5 ± 0.5225
−182
−184
−186
−188
−190
−192
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 89
Mean 6.343e−14
Std Dev3.492e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

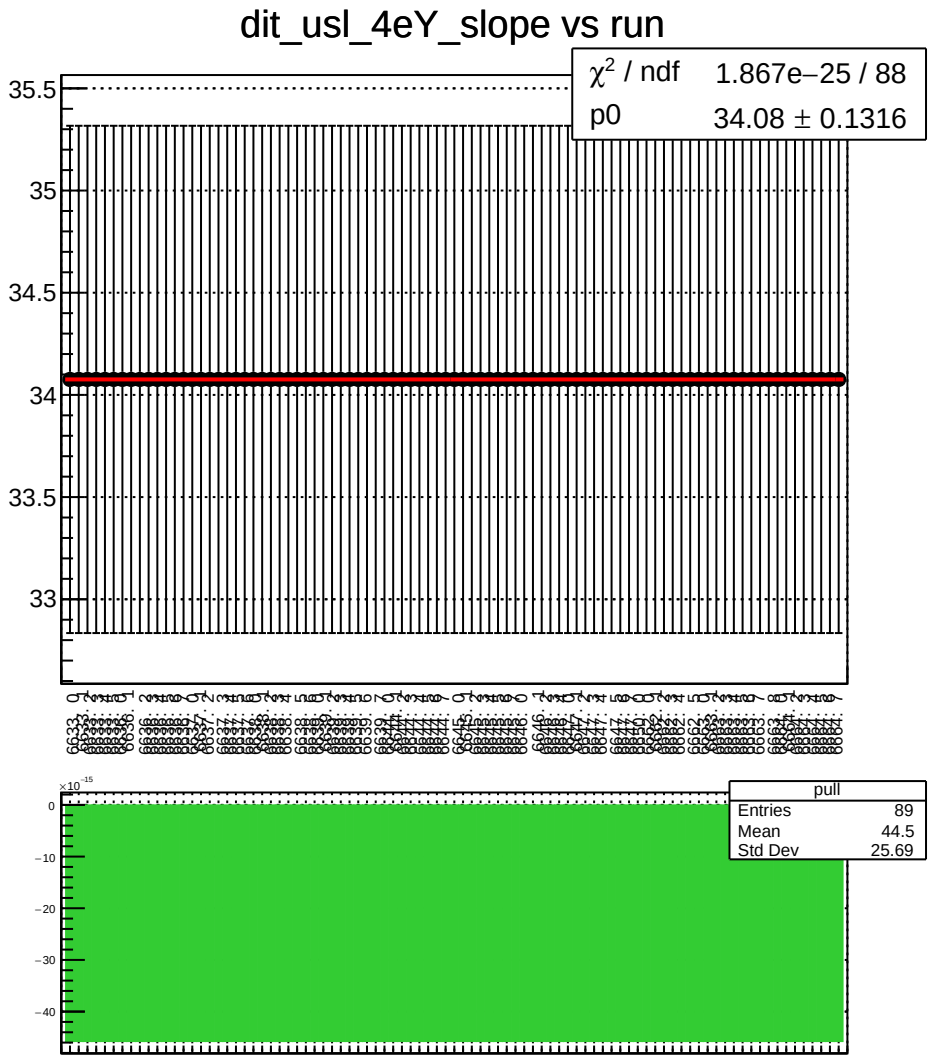

dit_usl_4eX_slope vs run
χ^2 / ndf 0 / 88
p0 149.1 ± 0.6003
154
152
150
148
146
144
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

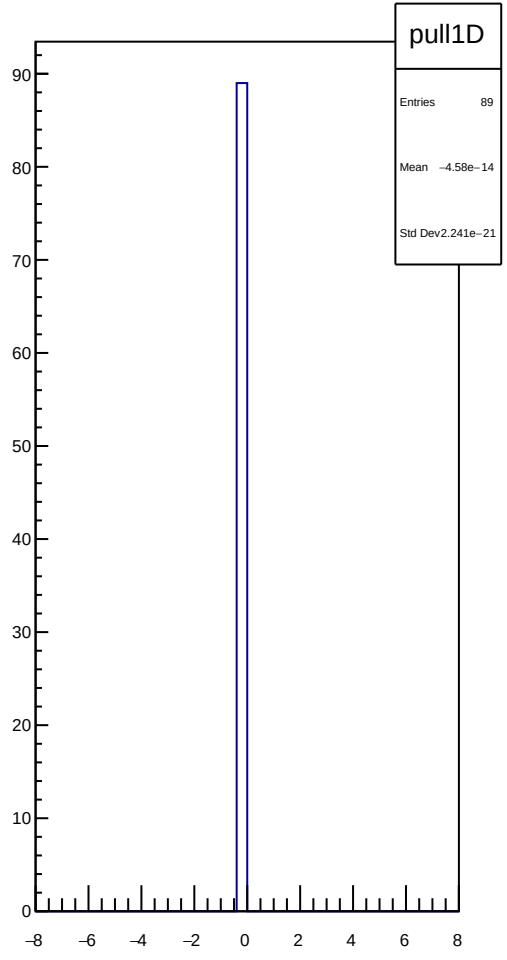

pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

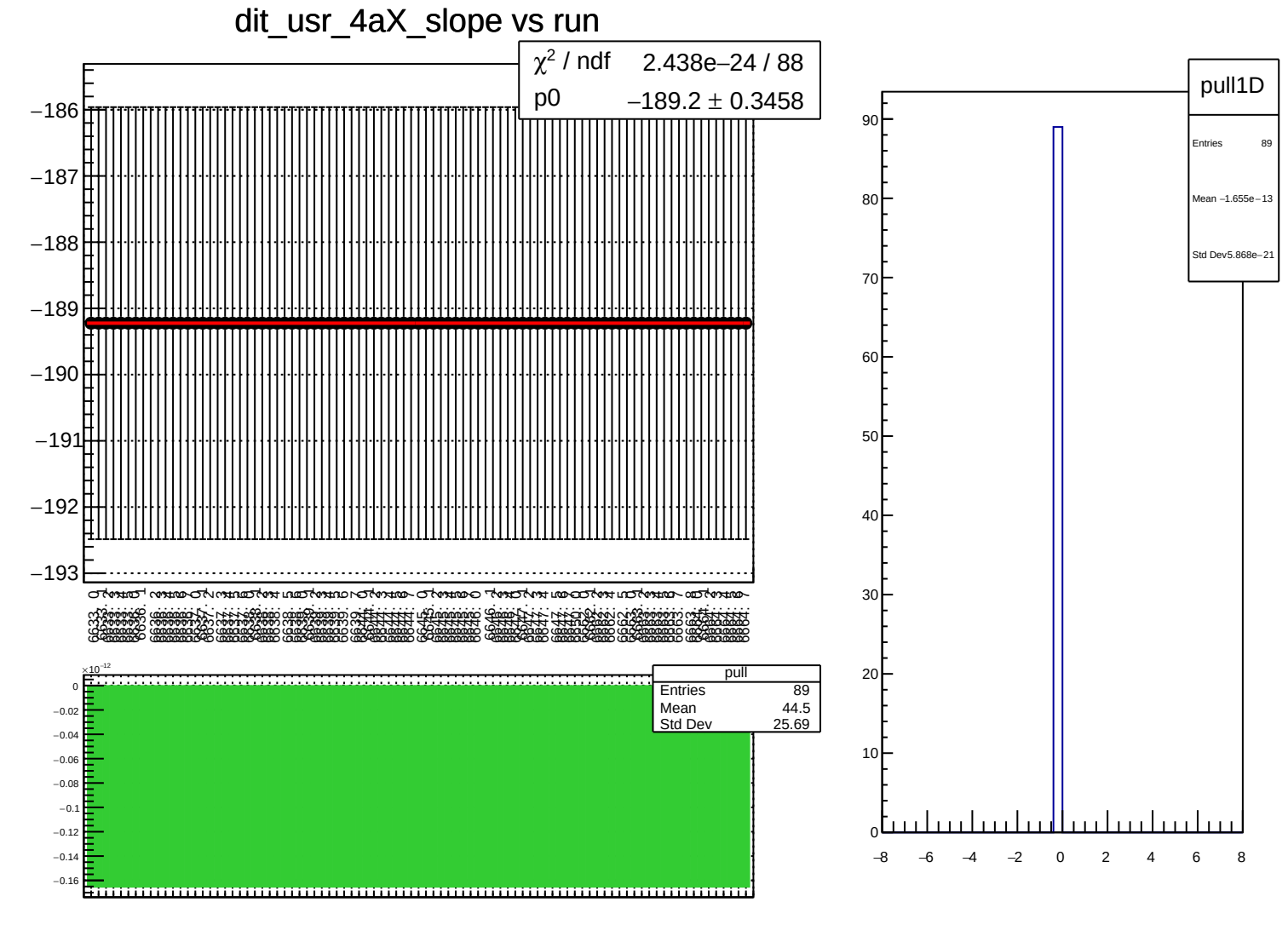

dit_usl_11X12X_slope vs run
χ² / ndf 2.749e−25 / 88
p0 −70.51 ± 0.1626
−69
−69.5
−70
−70.5
−71
−71.5
−72
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 89
Mean −5.558e−14
Std Dev2.809e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

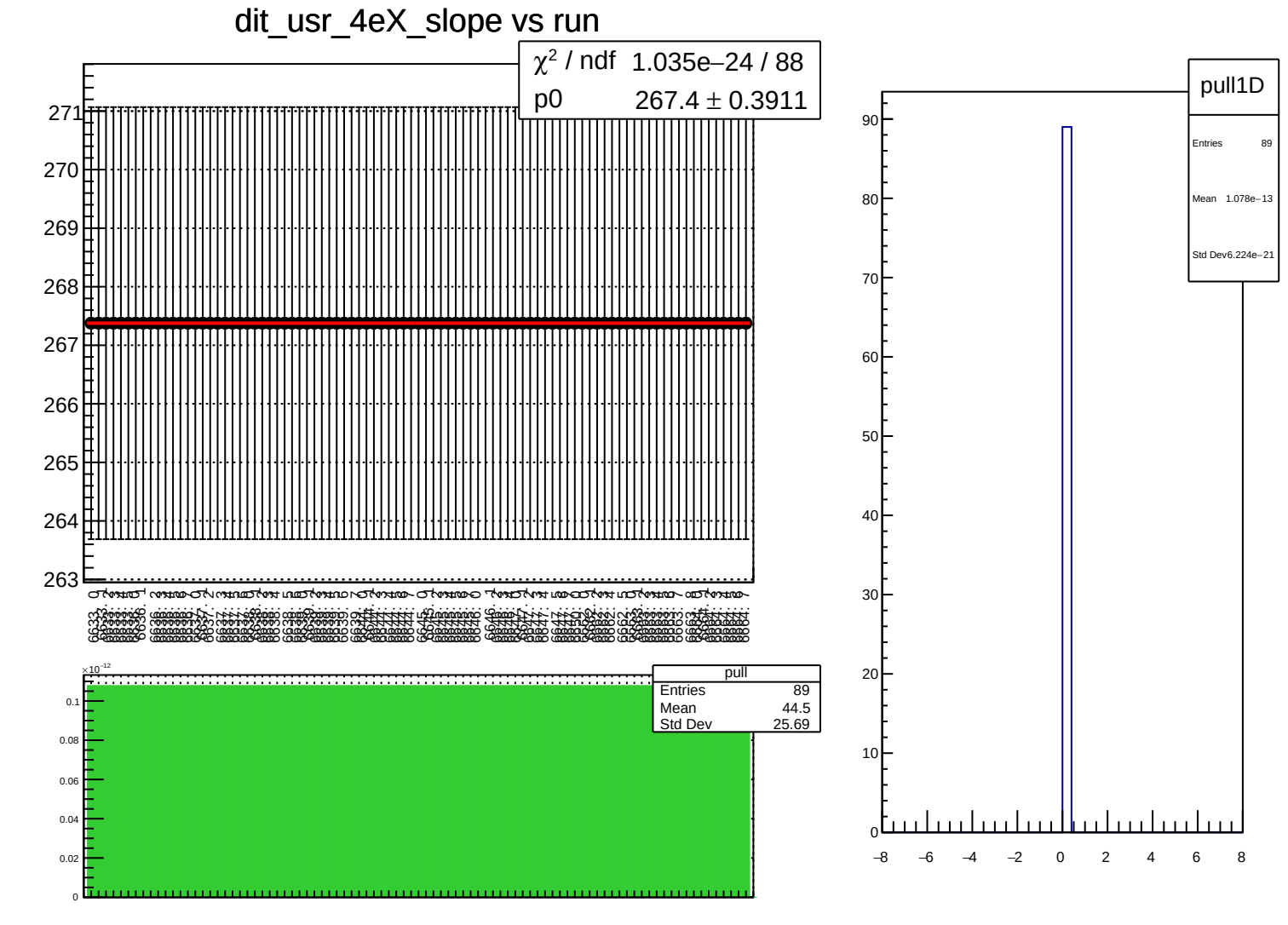

dit_usl_4aY_slope vs run
χ² / ndf 3.105e−32 / 88
p0 0.01971 ± 0.07876
pull
Entries 89
Mean 44.5
Std Dev 25.69

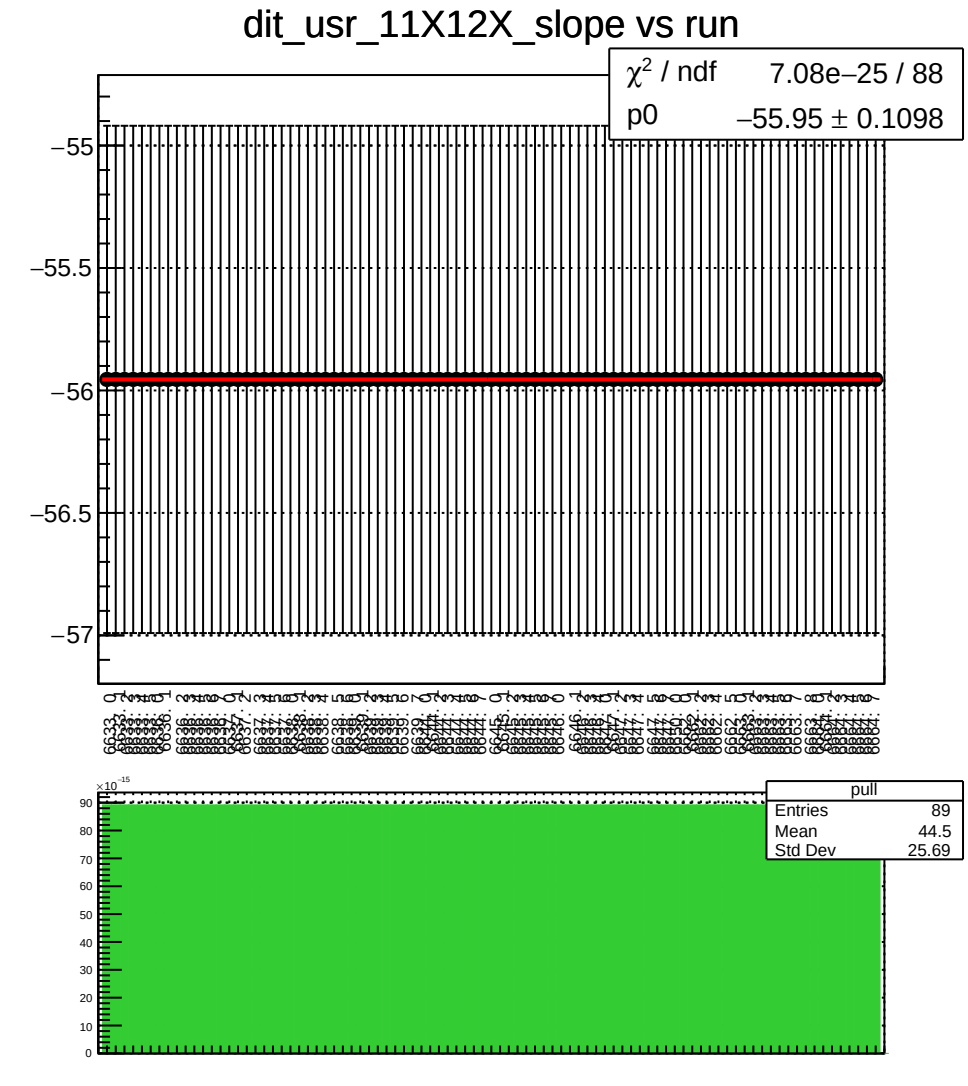

pull1D
Entries 89
Mean −1.868e−17
Std Dev1.075e−24

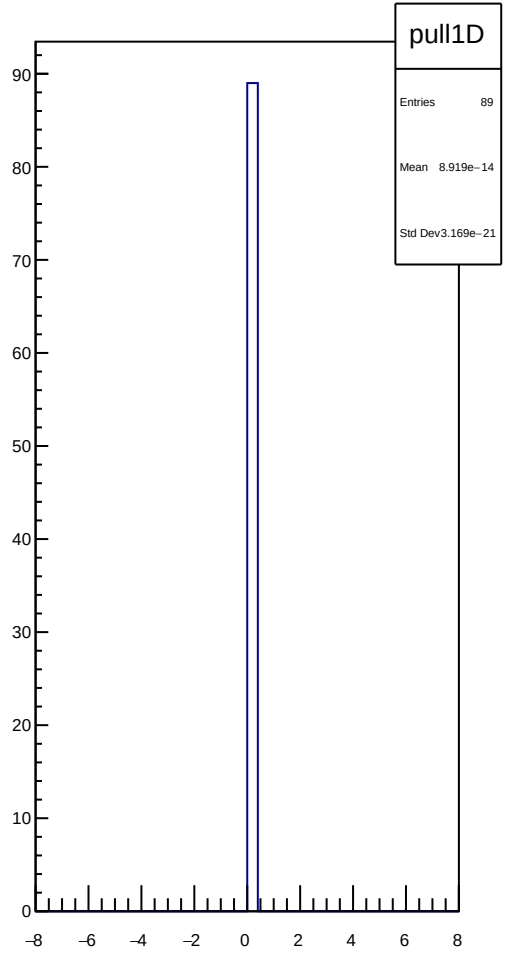

dit_usl_4eY_slope vs run
χ² / ndf 1.867e−25 / 88
p0 34.08 ± 0.1316
35.5
35
34.5
34
33.5
33
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40

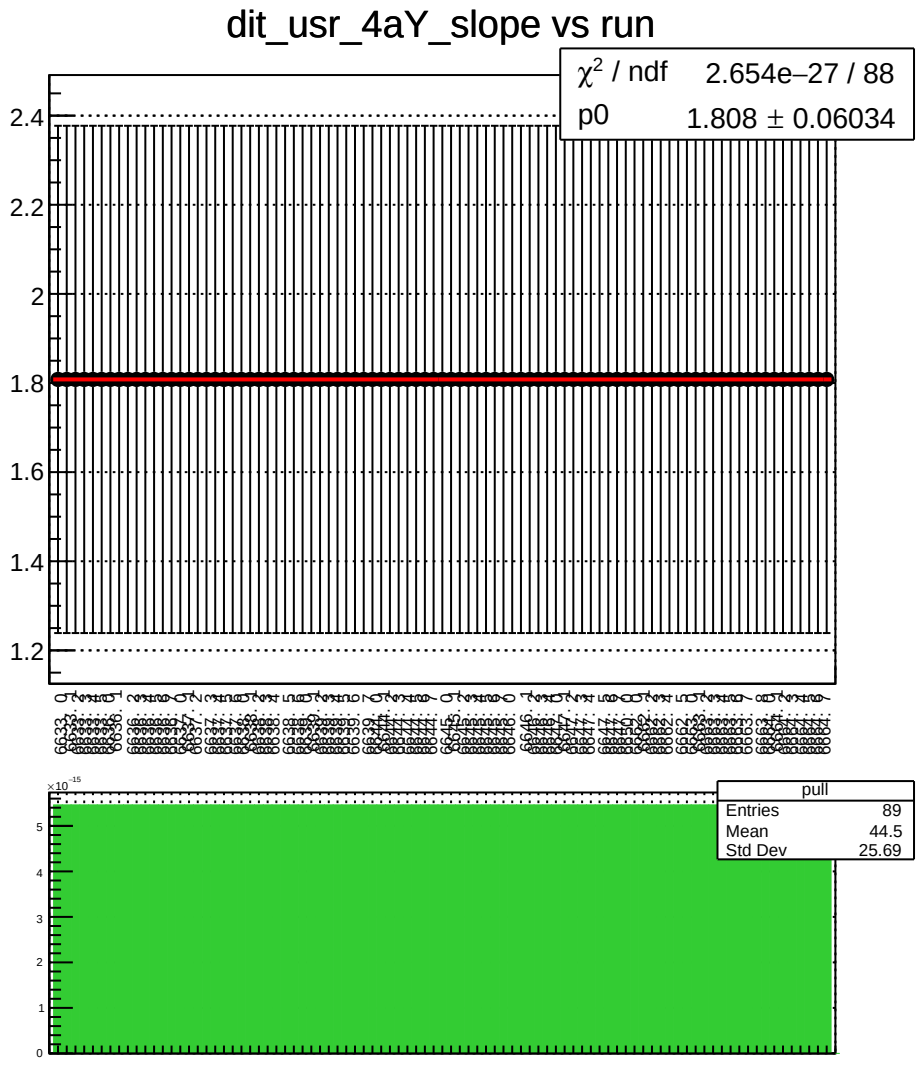

pull1D
Entries 89
Mean −4.58e−14
Std Dev2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

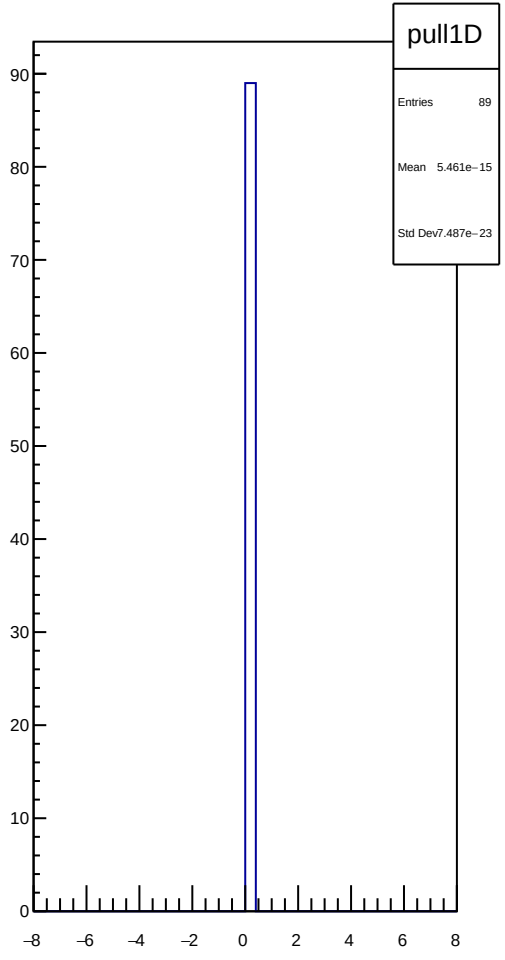

dit_usr_4aX_slope vs run
χ² / ndf 2.438e−24 / 88
p0 −189.2 ± 0.3458
−186
−187
−188
−189
−190
−191
−192
−193
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 89
Mean −1.655e−13
Std Dev5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

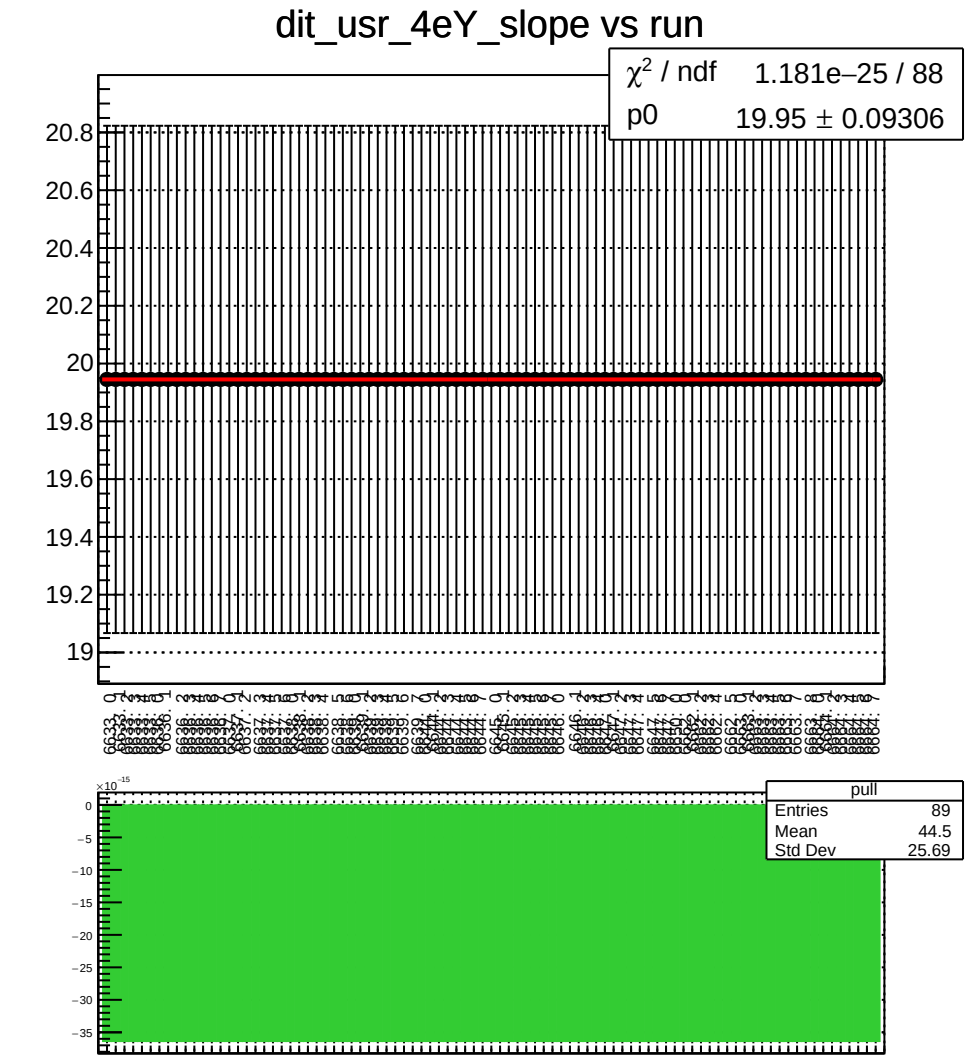

dit_usr_4eX_slope vs run
χ² / ndf 1.035e−24 / 88
p0 267.4 ± 0.3911
271
270
269
268
267
266
265
264
263
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.078e−13
Std Dev6.224e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

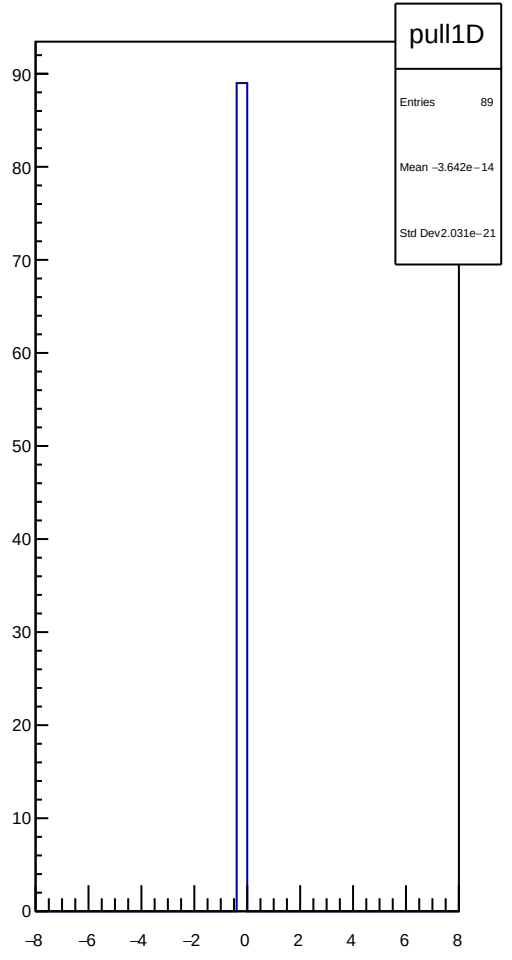

dit_usr_11X12X_slope vs run
χ² / ndf 7.08e−25 / 88
p0 −55.95 ± 0.1098
−55
−55.5
−56
−56.5
−57
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

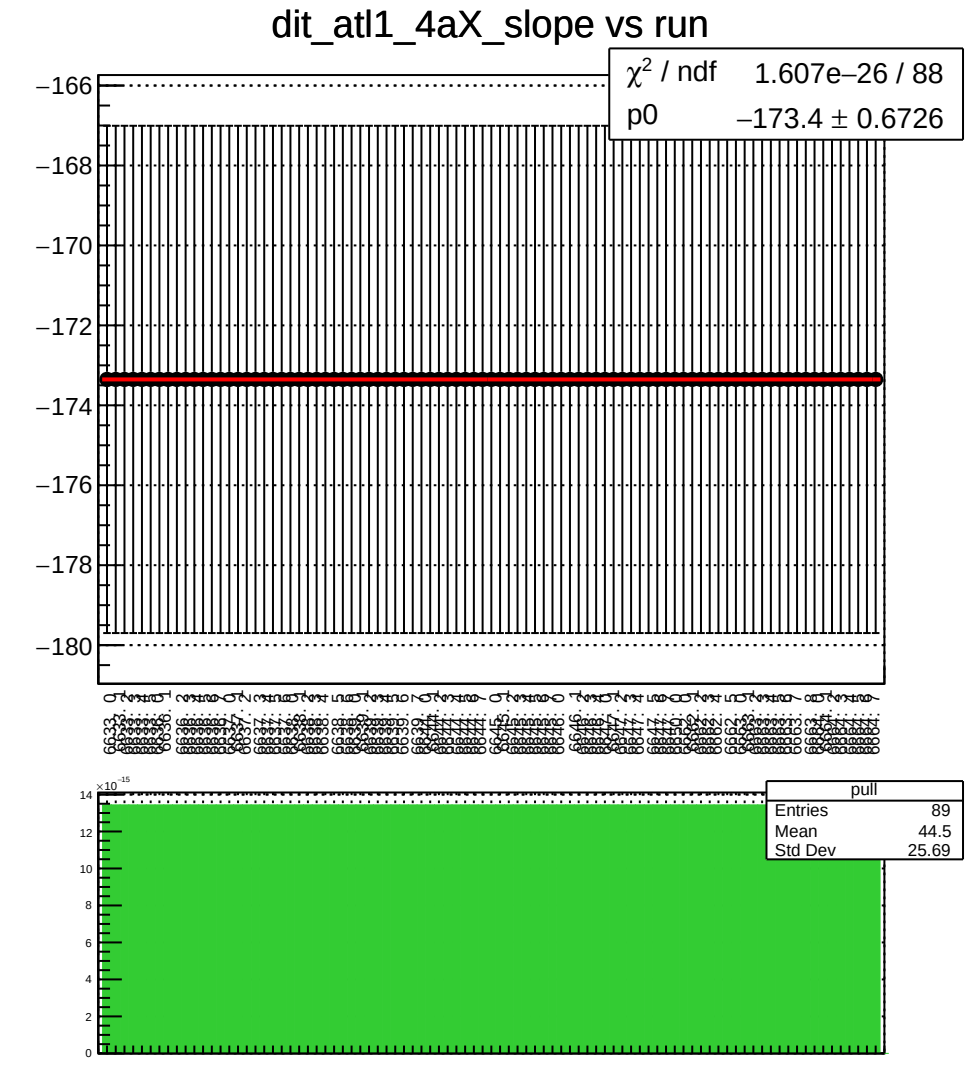

pull1D
Entries 89
Mean 8.919e−14
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

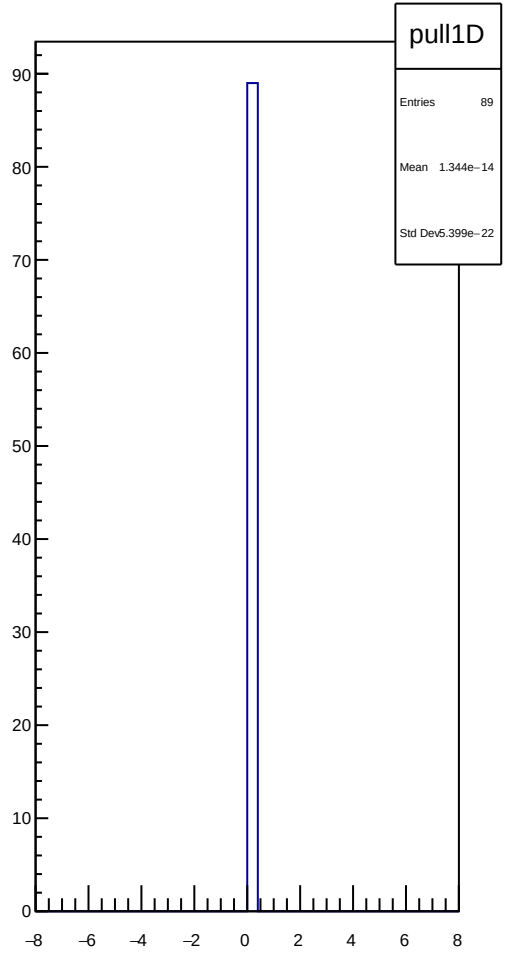

dit_usr_4aY_slope vs run
χ² / ndf 2.654e−27 / 88
p0 1.808 ± 0.06034
2.4
2.2
2
1.8
1.6
1.4
1.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
5
4
3
2
1
0

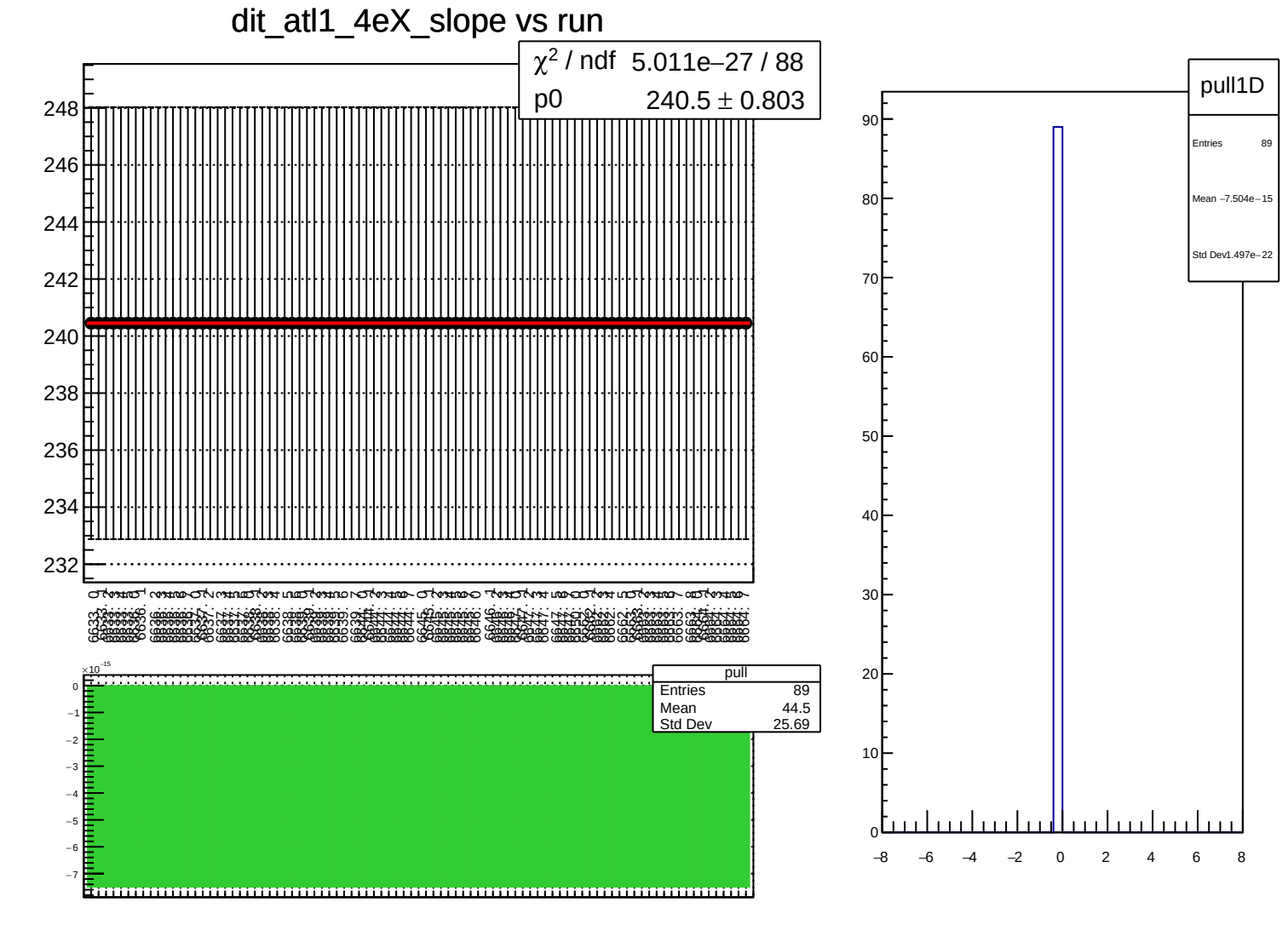

pull1D
Entries 89
Mean 5.461e−15
Std Dev 7.487e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

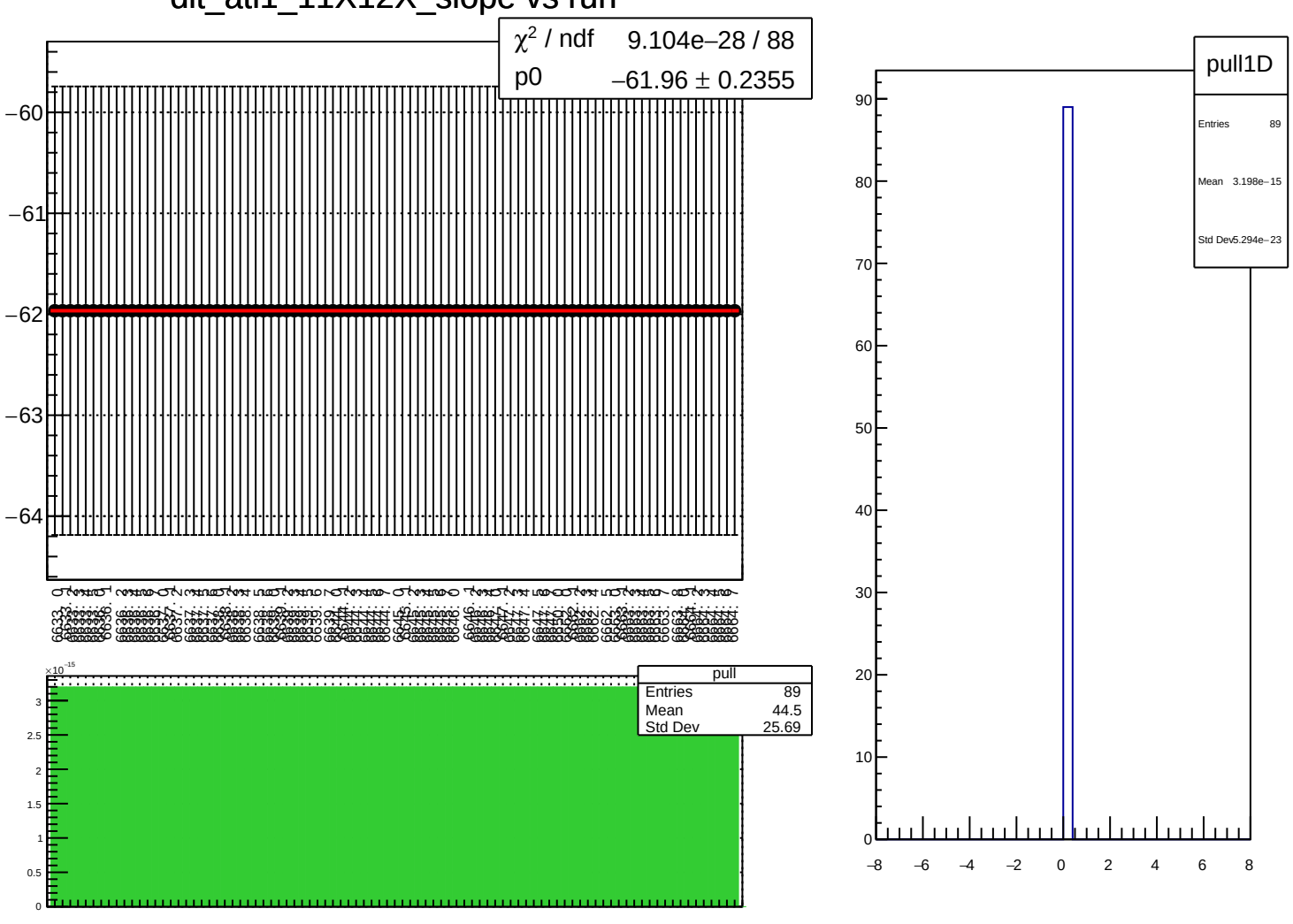

dit_usr_4eY_slope vs run
χ² / ndf 1.181e−25 / 88
p0 19.95 ± 0.09306
20.8
20.6
20.4
20.2
20
19.8
19.6
19.4
19.2
19
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 89
Mean 44.5
Std Dev 25.69

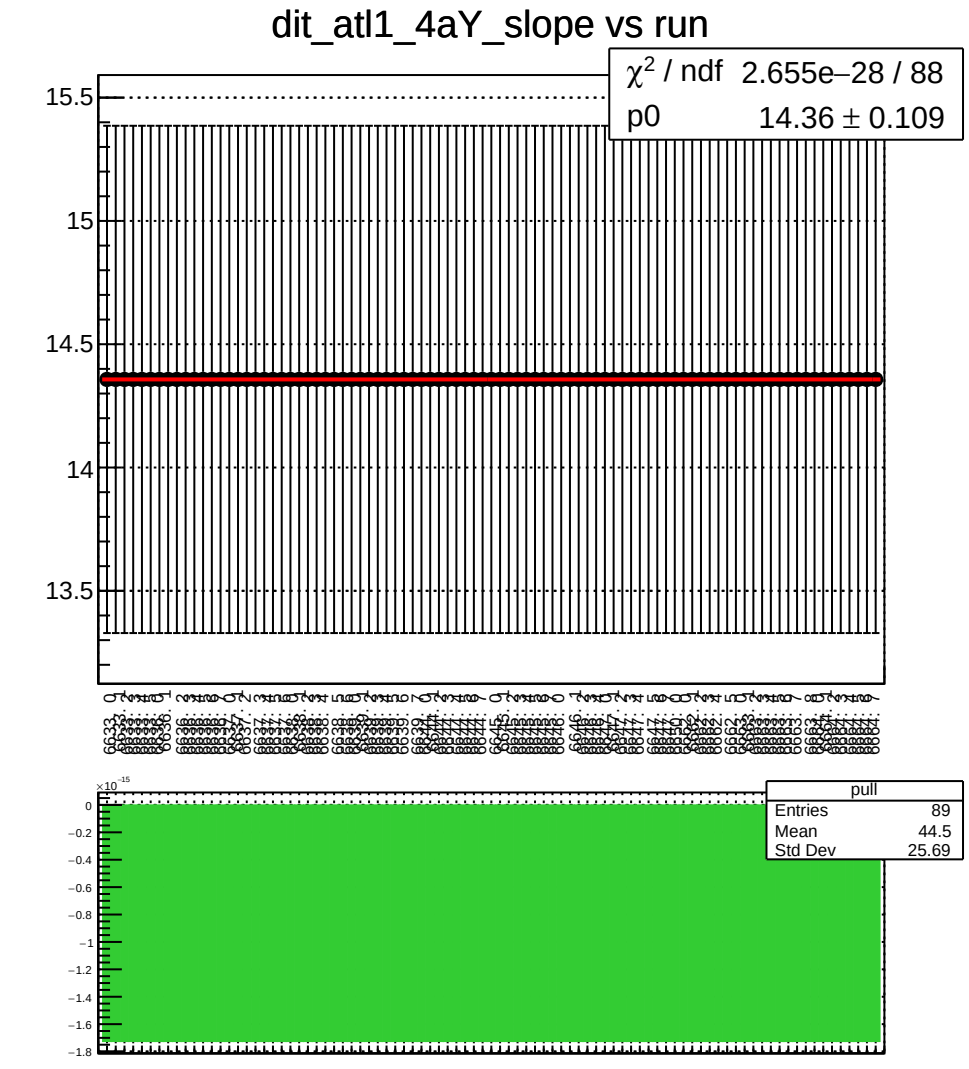

pull1D
Entries 89
Mean −3.642e−14
Std Dev2.031e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

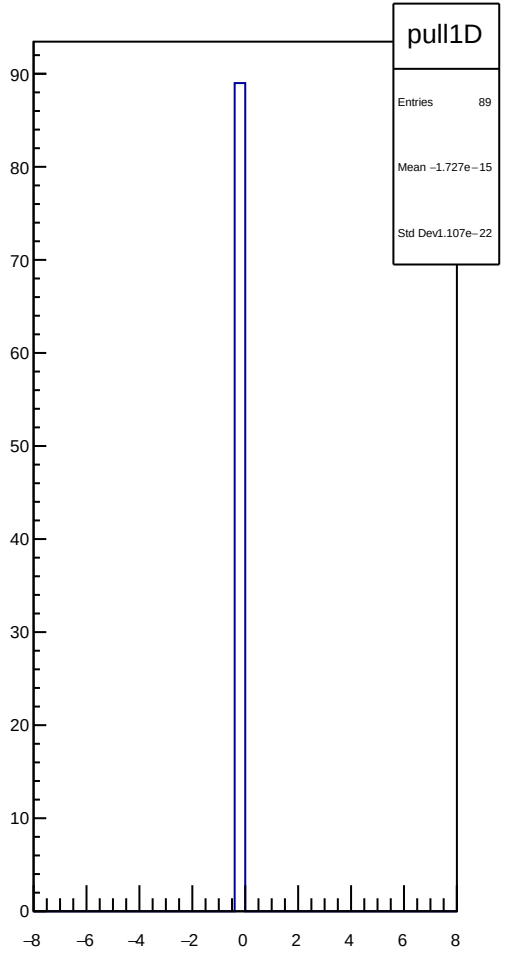

dit_atl1_4aX_slope vs run
χ² / ndf 1.607e−26 / 88
p0 −173.4 ± 0.6726
−166
−168
−170
−172
−174
−176
−178
−180
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
14
12
10
8
6
4
2
0

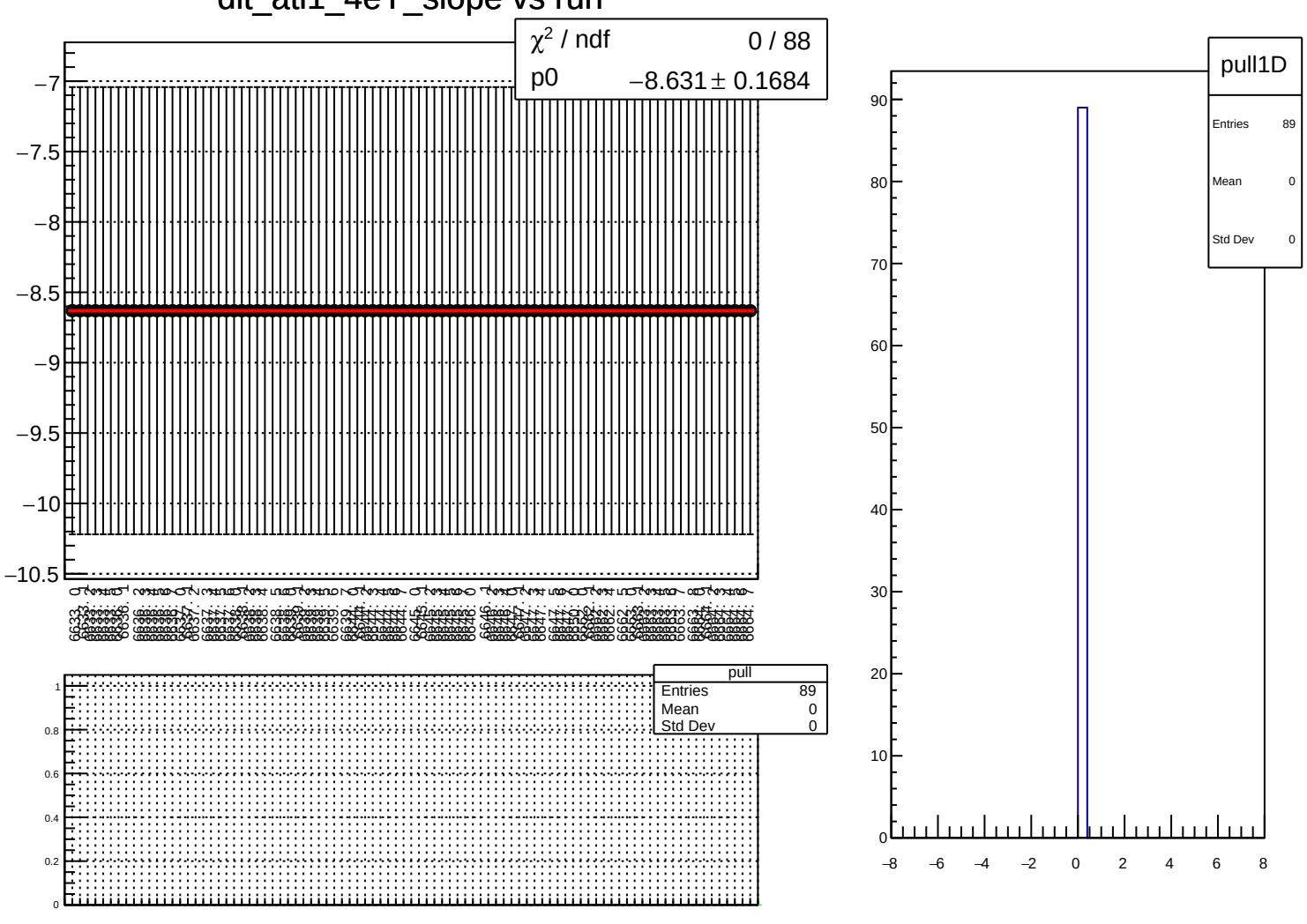

pull1D
Entries 89
Mean 1.344e−14
Std Dev 5.399e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

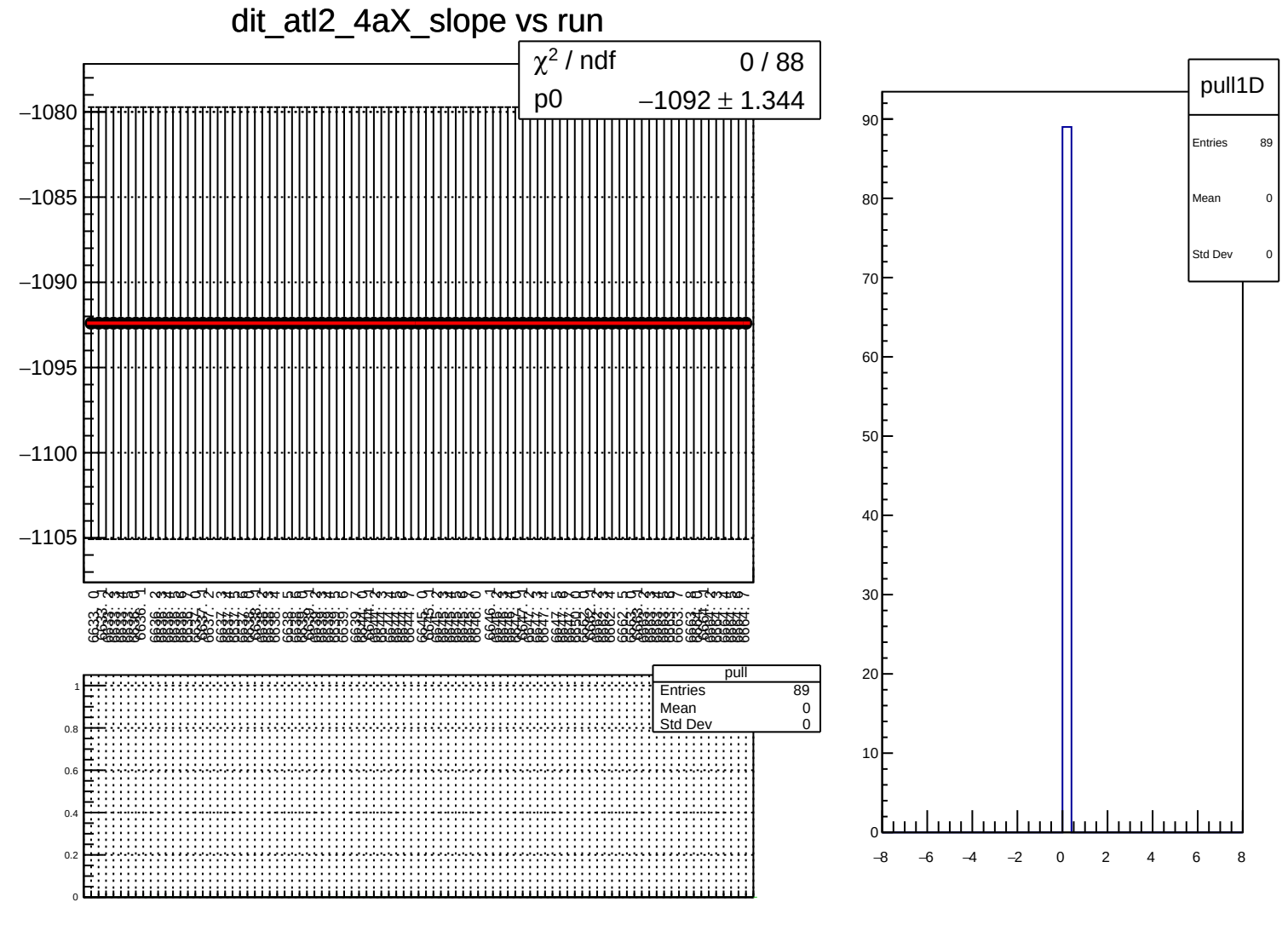

dit_atl1_4eX_slope vs run
χ² / ndf 5.011e−27 / 88
p0 240.5 ± 0.803
248
246
244
242
240
238
236
234
232
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 89
Mean −7.504e−15
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

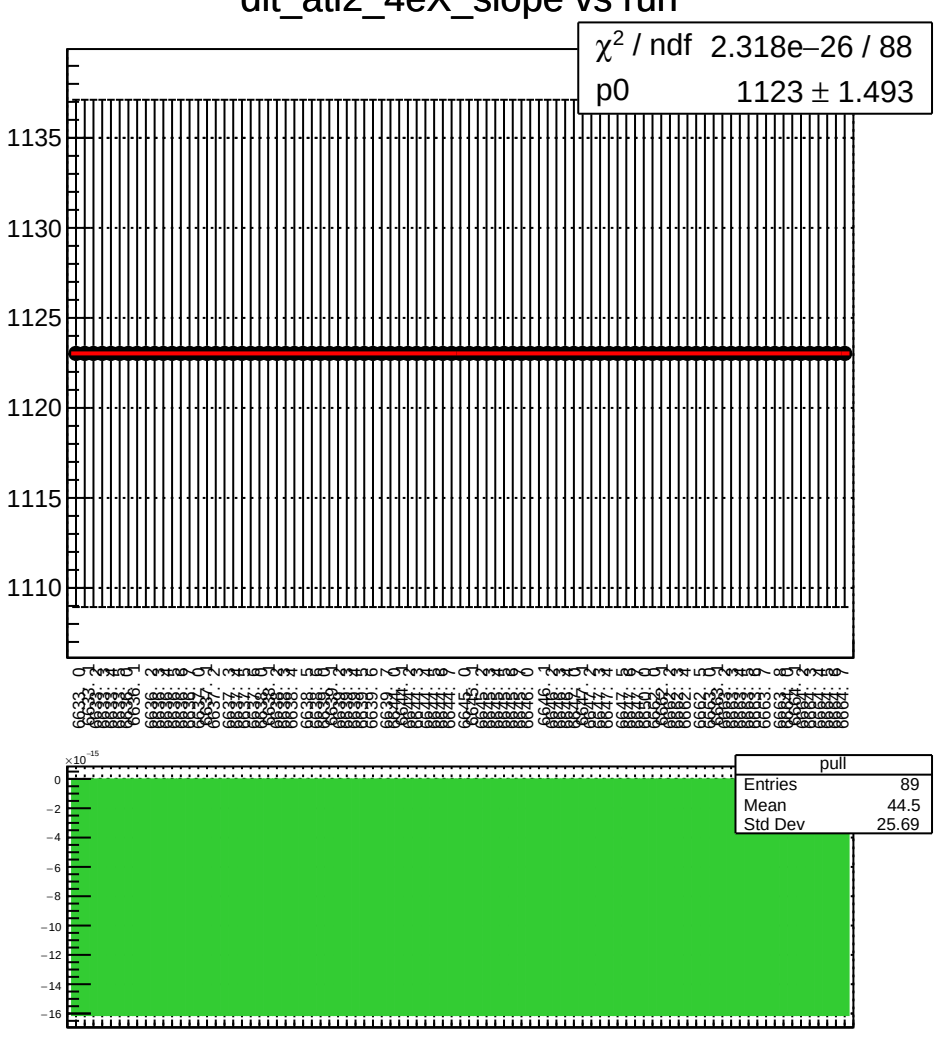

dit_atl1_11X12X_slope vs run
χ² / ndf 9.104e−28 / 88
p0 −61.96 ± 0.2355
−60
−61
−62
−63
−64
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 3.198e−15
Std Dev 5.294e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

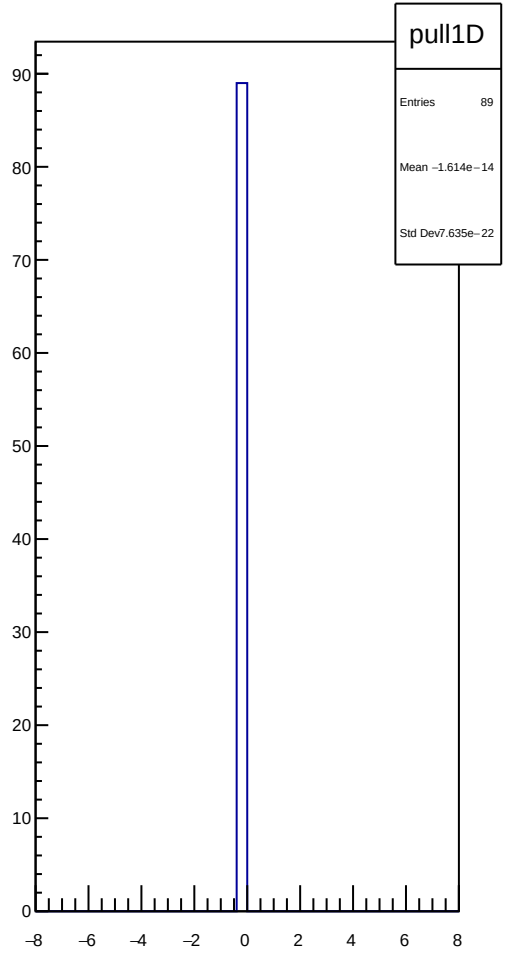

dit_atl1_4aY_slope vs run
χ² / ndf 2.655e−28 / 88
p0 14.36 ± 0.109
15.5
15
14.5
14
13.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8

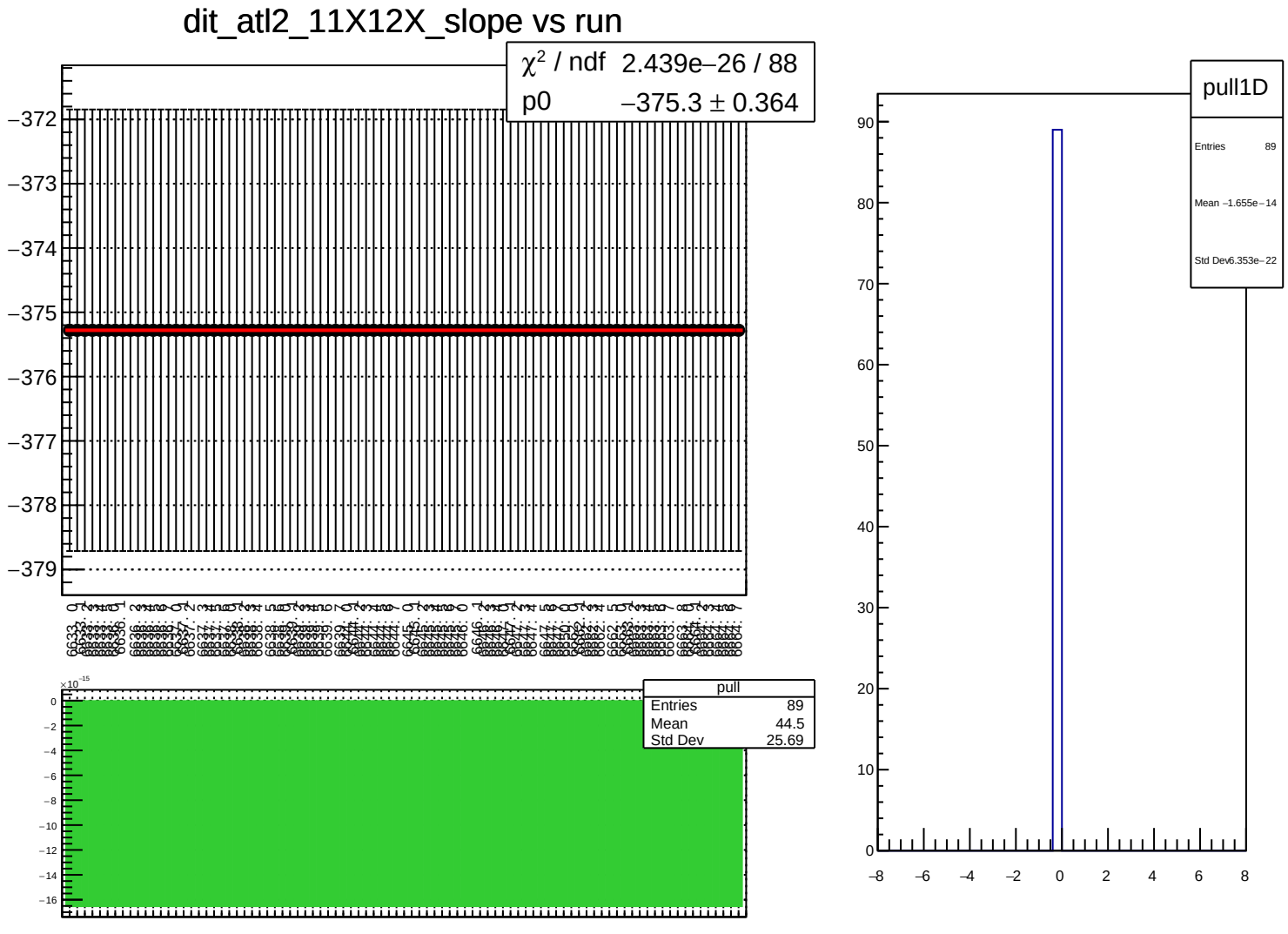

pull1D
Entries 89
Mean −1.727e−15
Std Dev1.107e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

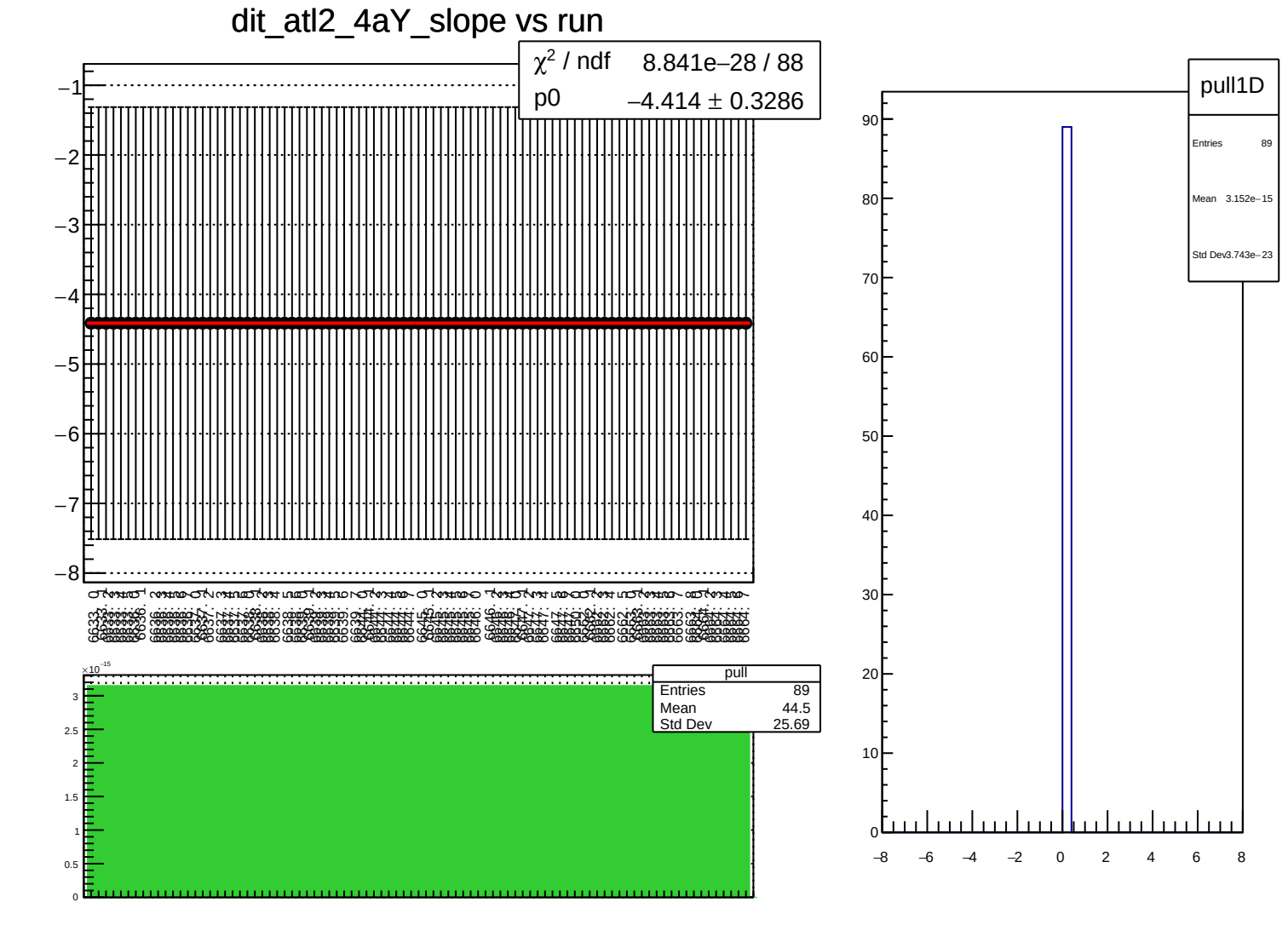

dit_atl1_4eY_slope vs run
χ² / ndf 0 / 88
p0 −8.631 ± 0.1684
pull
Entries 89
Mean 0
Std Dev 0
pull1D
Entries 89
Mean 0
Std Dev 0

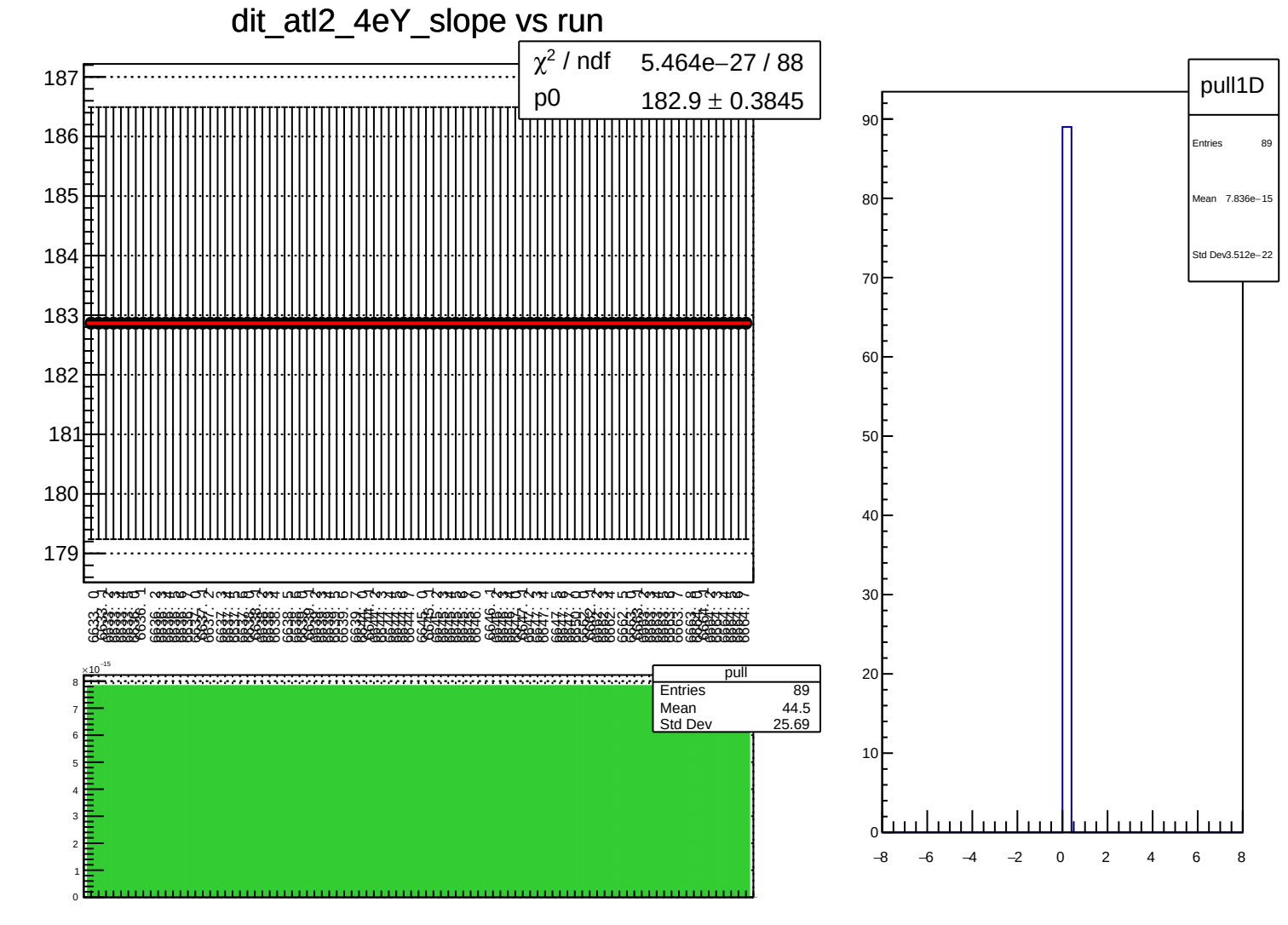

dit_atl2_4aX_slope vs run
χ^2 / ndf 0 / 88
p0 −1092 ± 1.344
−1080
−1085
−1090
−1095
−1100
−1105
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

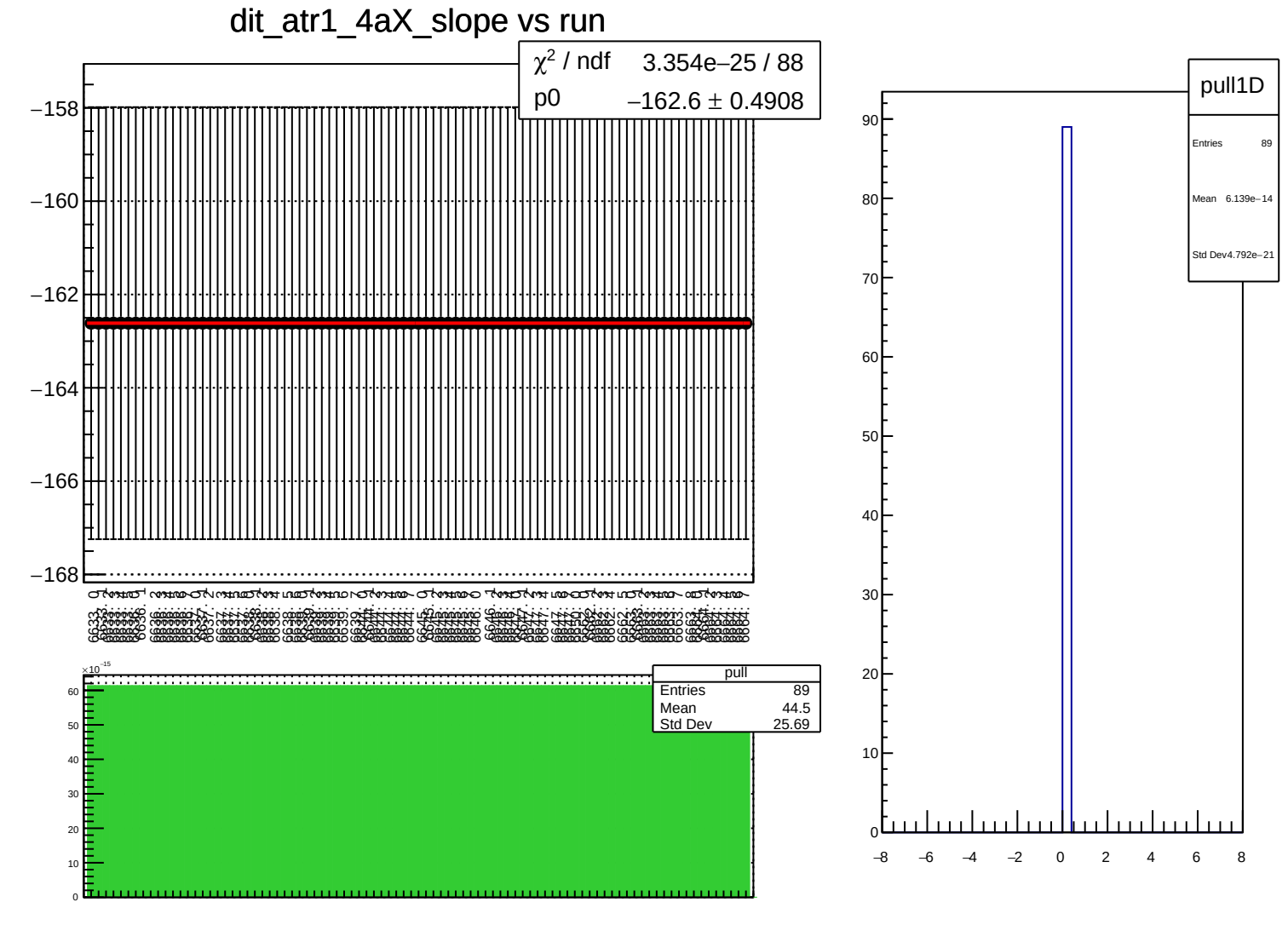

dit_atl2_4eX_slope vs run
χ^2 / ndf 2.318e−26 / 88
p0 1123 ± 1.493
1135
1130
1125
1120
1115
1110
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

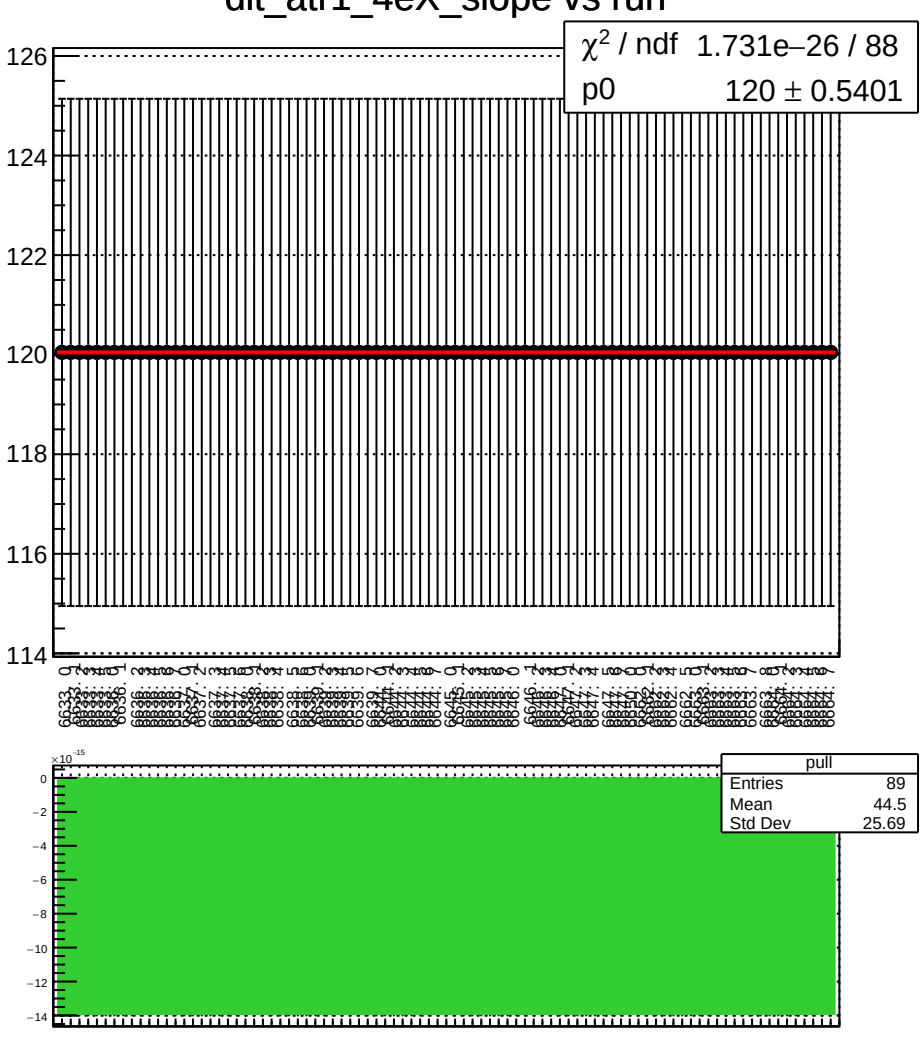

pull1D
Entries 89
Mean −1.614e−14
Std Dev7.635e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

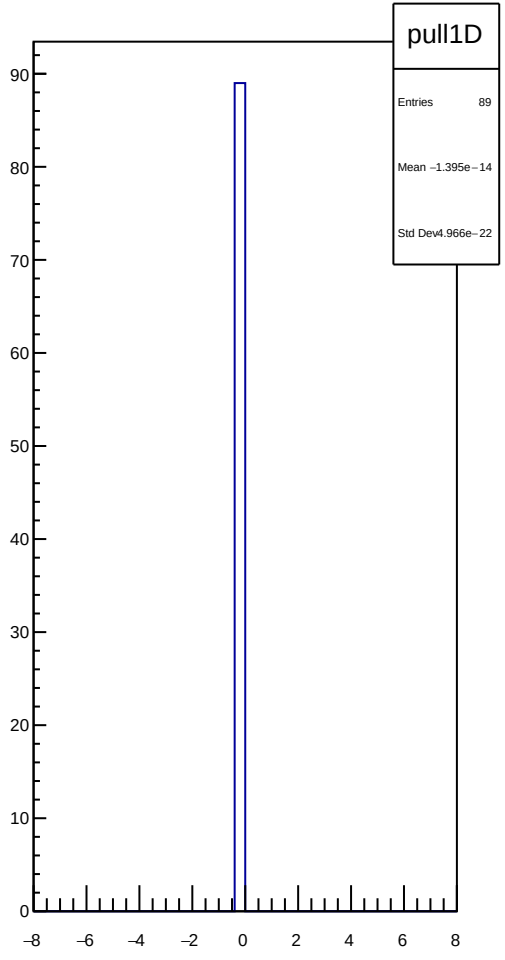

dit_atl2_11X12X_slope vs run
χ² / ndf 2.439e−26 / 88
p0 −375.3 ± 0.364
−372
−373
−374
−375
−376
−377
−378
−379
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 89
Mean −1.655e−14
Std Dev 6.353e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

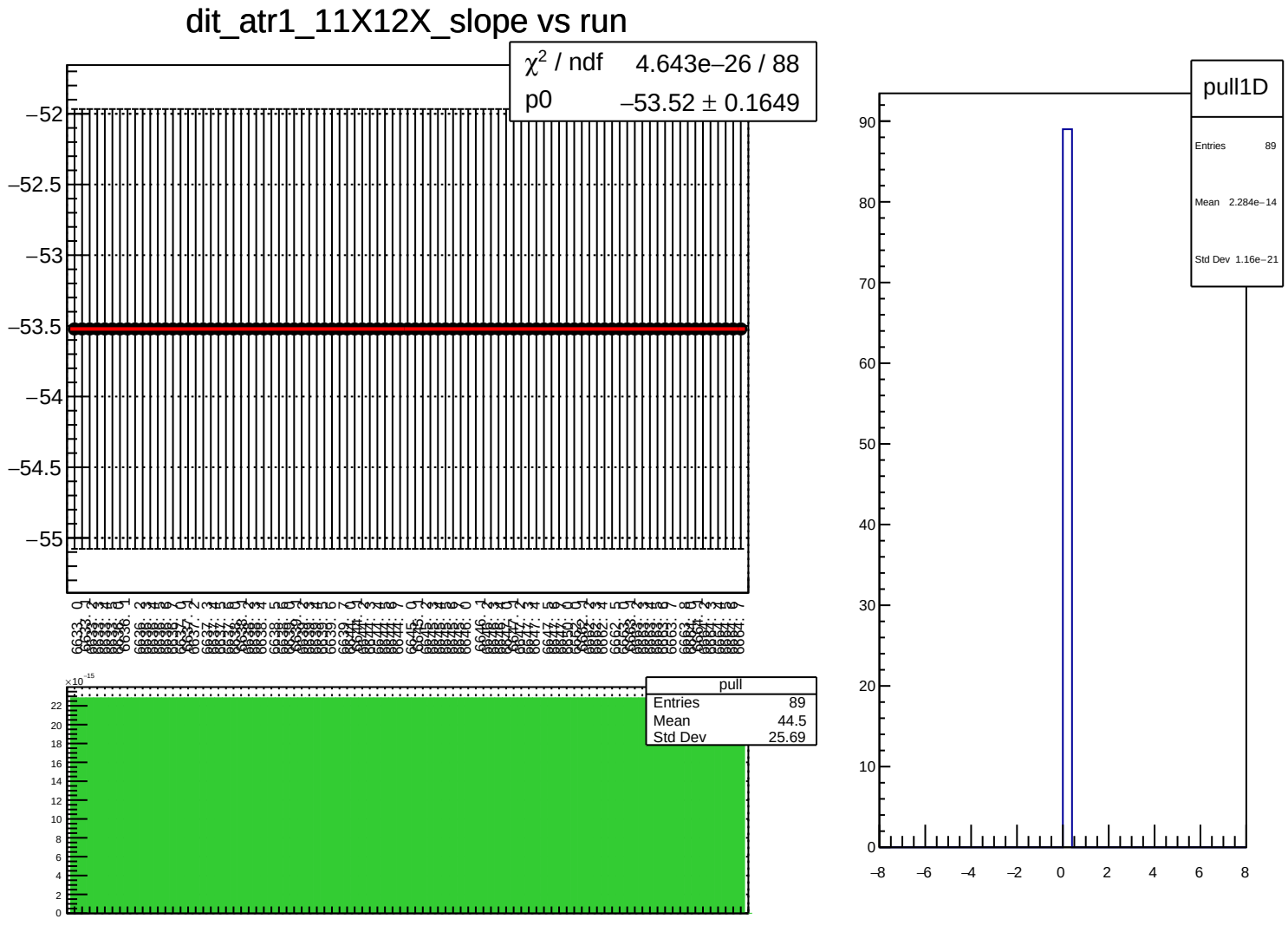

dit_atl2_4aY_slope vs run
χ^2 / ndf 8.841e−28 / 88
p0 −4.414 ± 0.3286
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 3.152e−15
Std Dev 3.743e−23

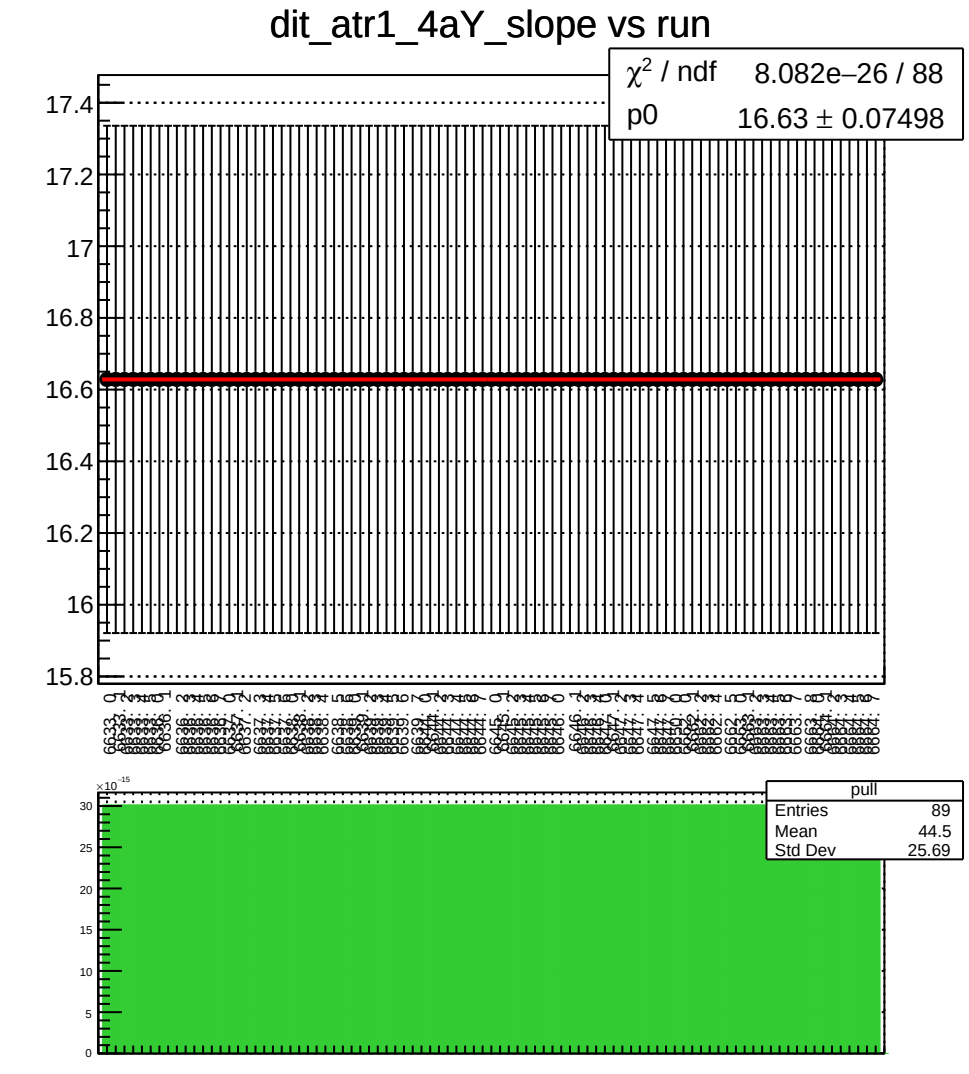

dit_atl2_4eY_slope vs run
χ² / ndf 5.464e−27 / 88
p0 182.9 ± 0.3845
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 7.836e−15
Std Dev3.512e−22

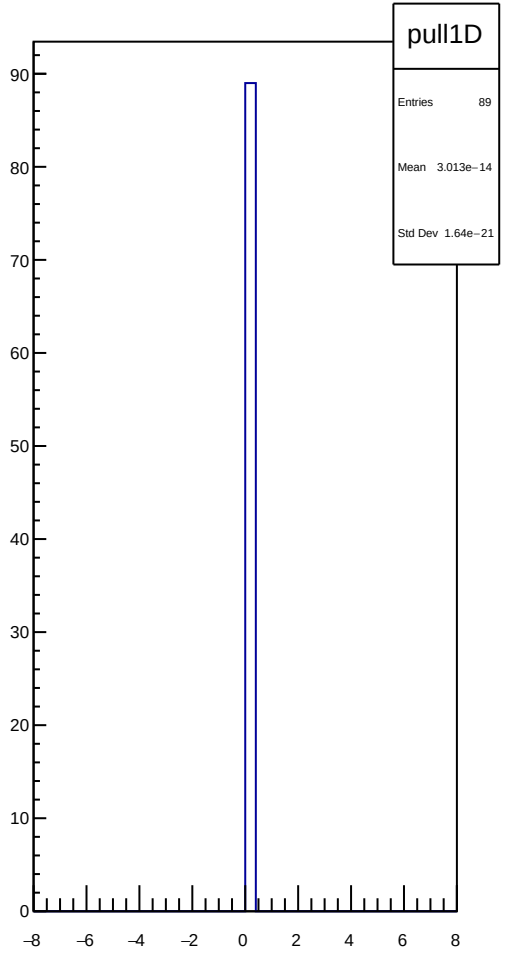

dit_atr1_4aX_slope vs run
χ² / ndf 3.354e−25 / 88
p0 −162.6 ± 0.4908
−158
−160
−162
−164
−166
−168
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 89
Mean 6.139e−14
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

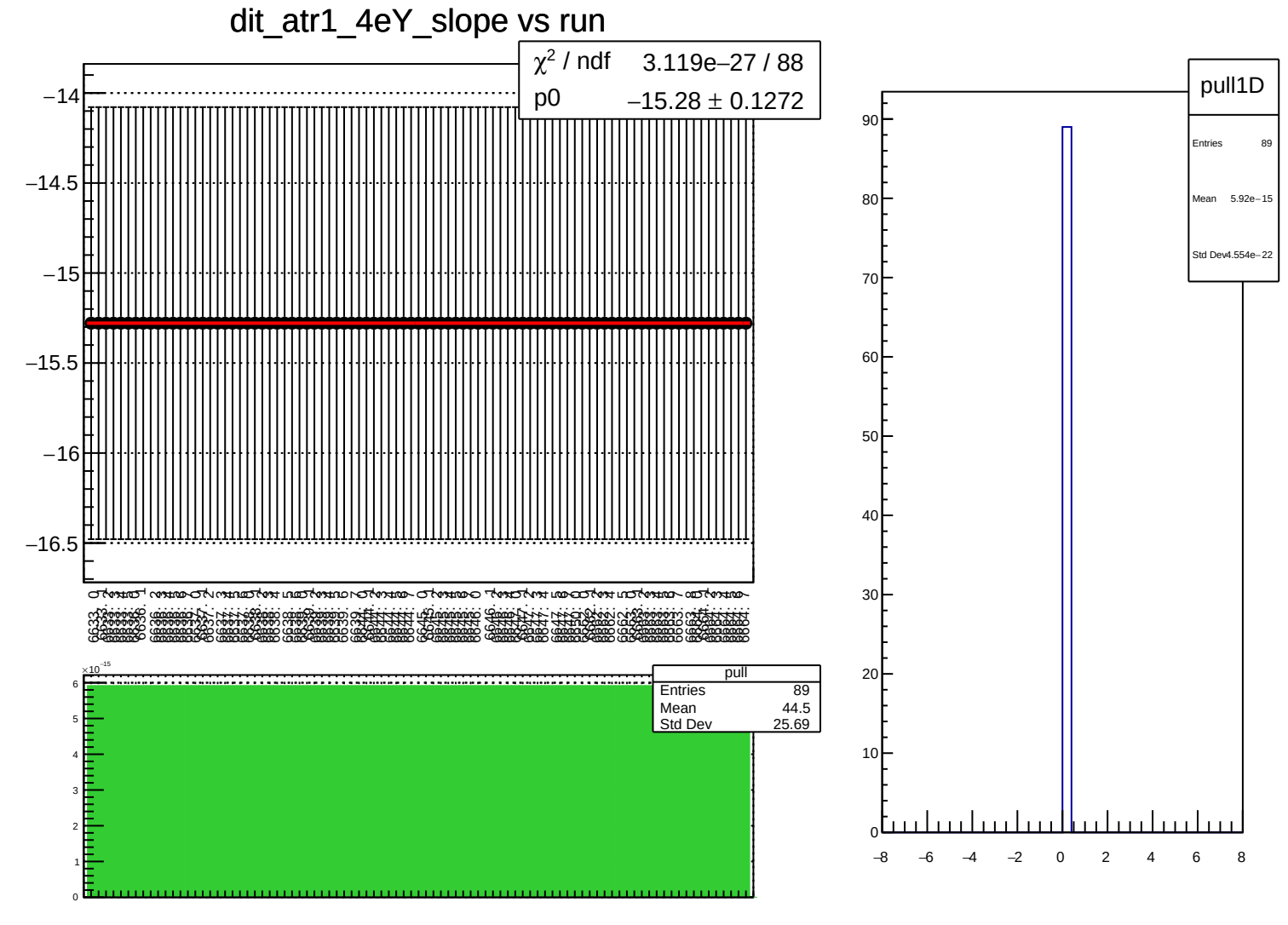

dit_atr1_4eX_slope vs run
χ^2 / ndf 1.731e−26 / 88
p0 120 ± 0.5401
126
124
122
120
118
116
114
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 89
Mean 44.5
Std Dev 25.69

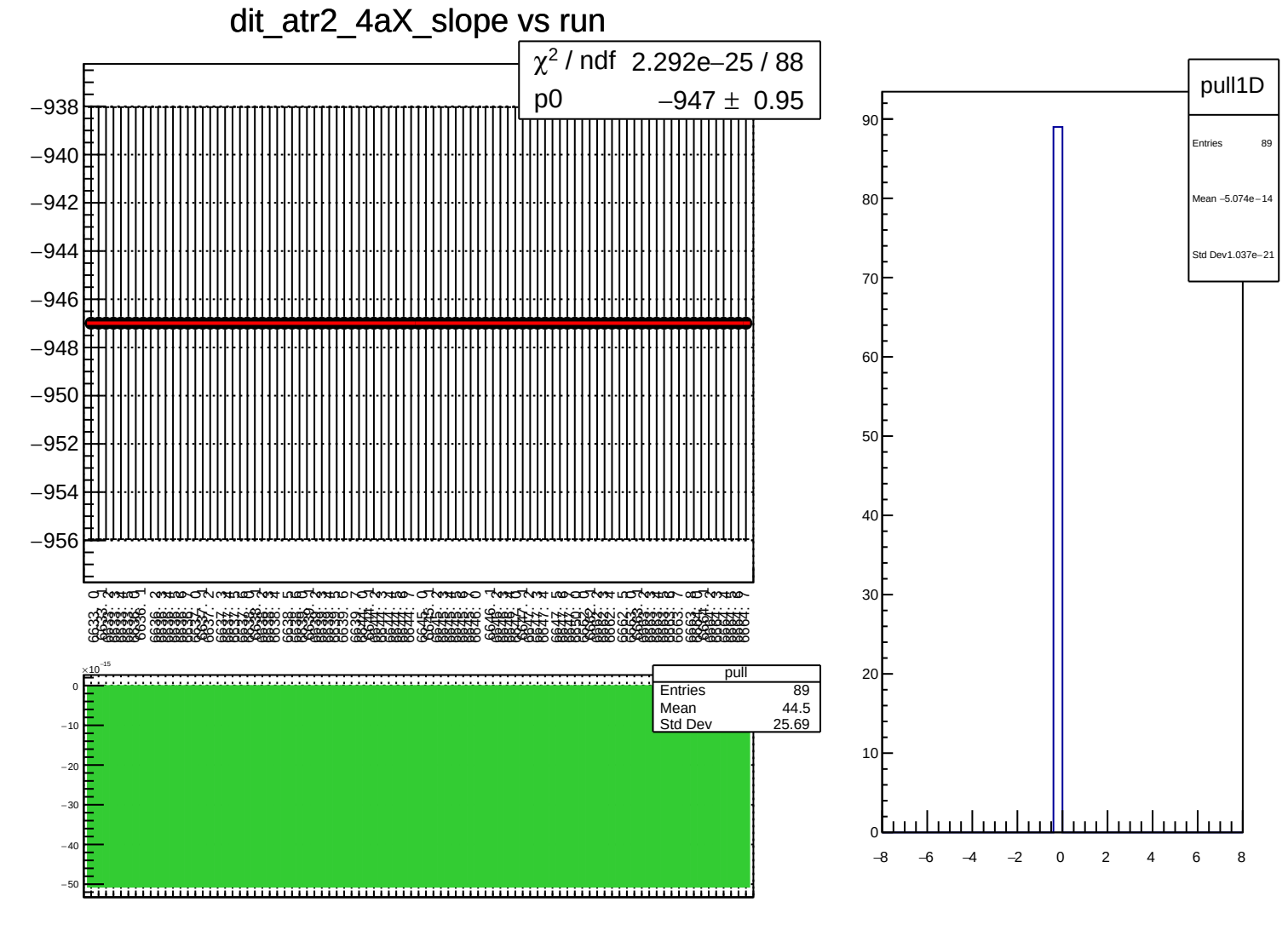

pull1D
Entries 89
Mean −1.395e−14
Std Dev4.966e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

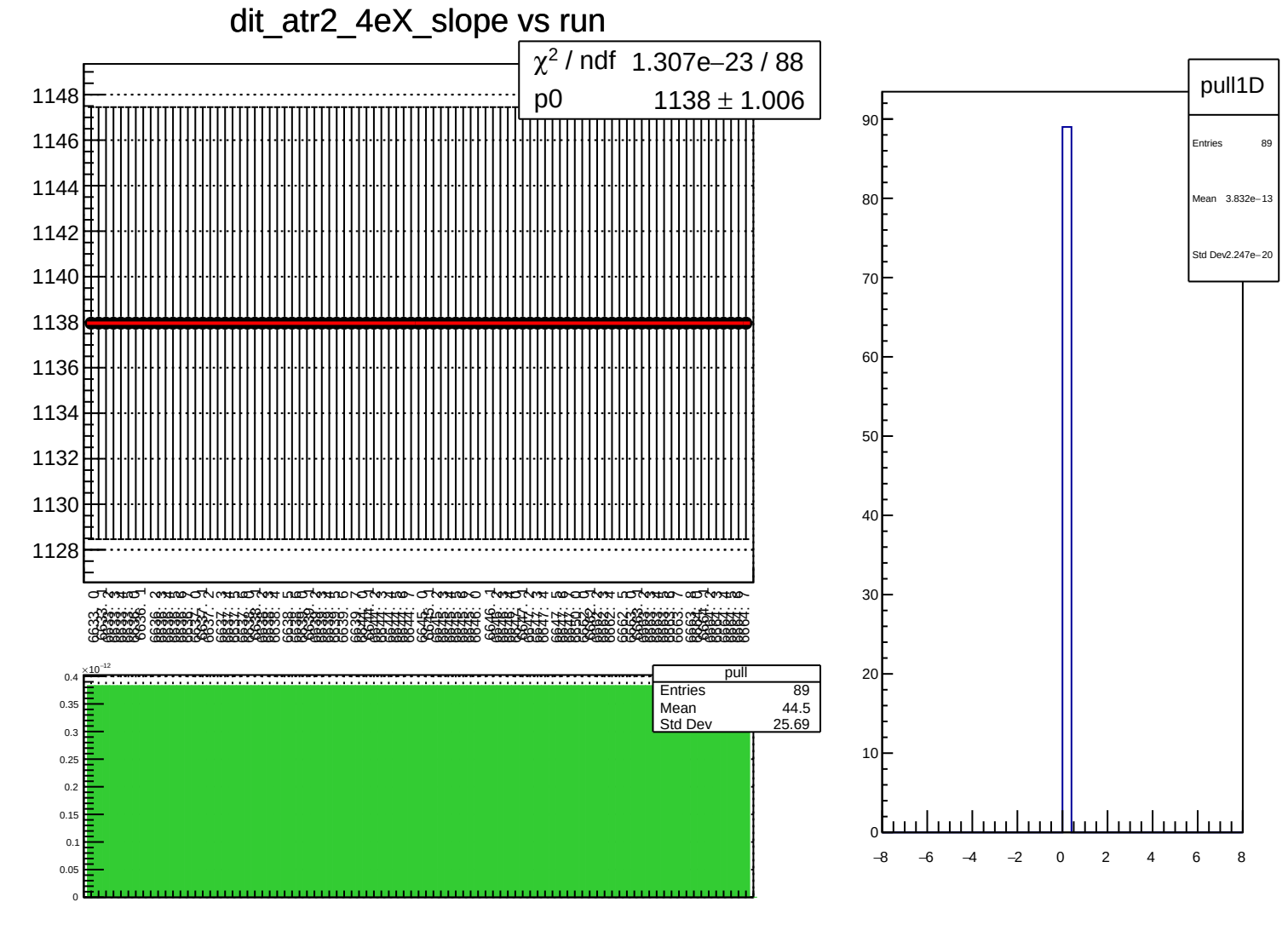

dit_atr1_11X12X_slope vs run
χ² / ndf 4.643e−26 / 88
p0 −53.52 ± 0.1649
−52
−52.5
−53
−53.5
−54
−54.5
−55
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 2.284e−14
Std Dev 1.16e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

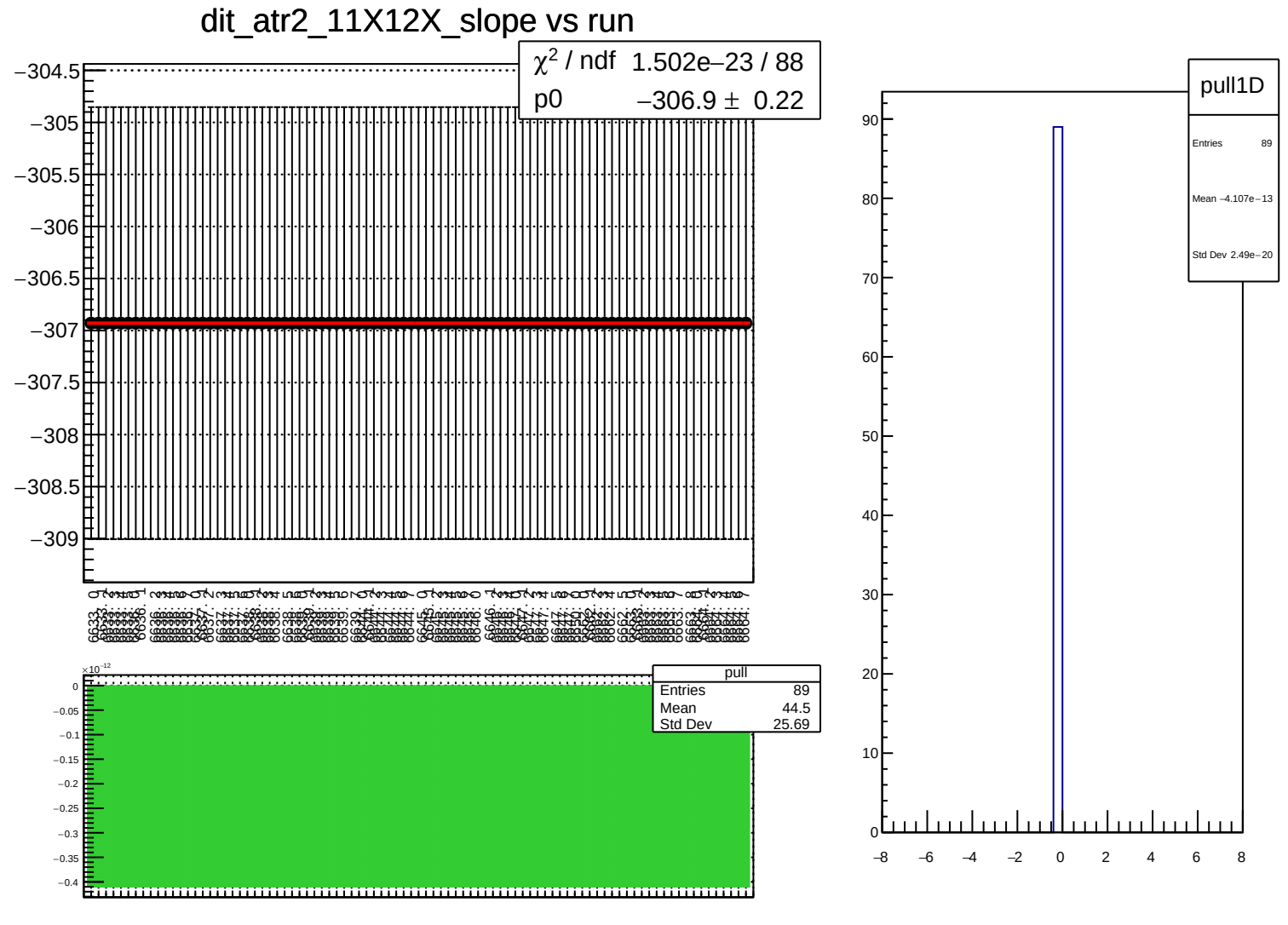

dit_atr1_4aY_slope vs run
χ² / ndf 8.082e−26 / 88
p0 16.63 ± 0.07498
17.4
17.2
17
16.8
16.6
16.4
16.2
16
15.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
30
25
20
15
10
5
0

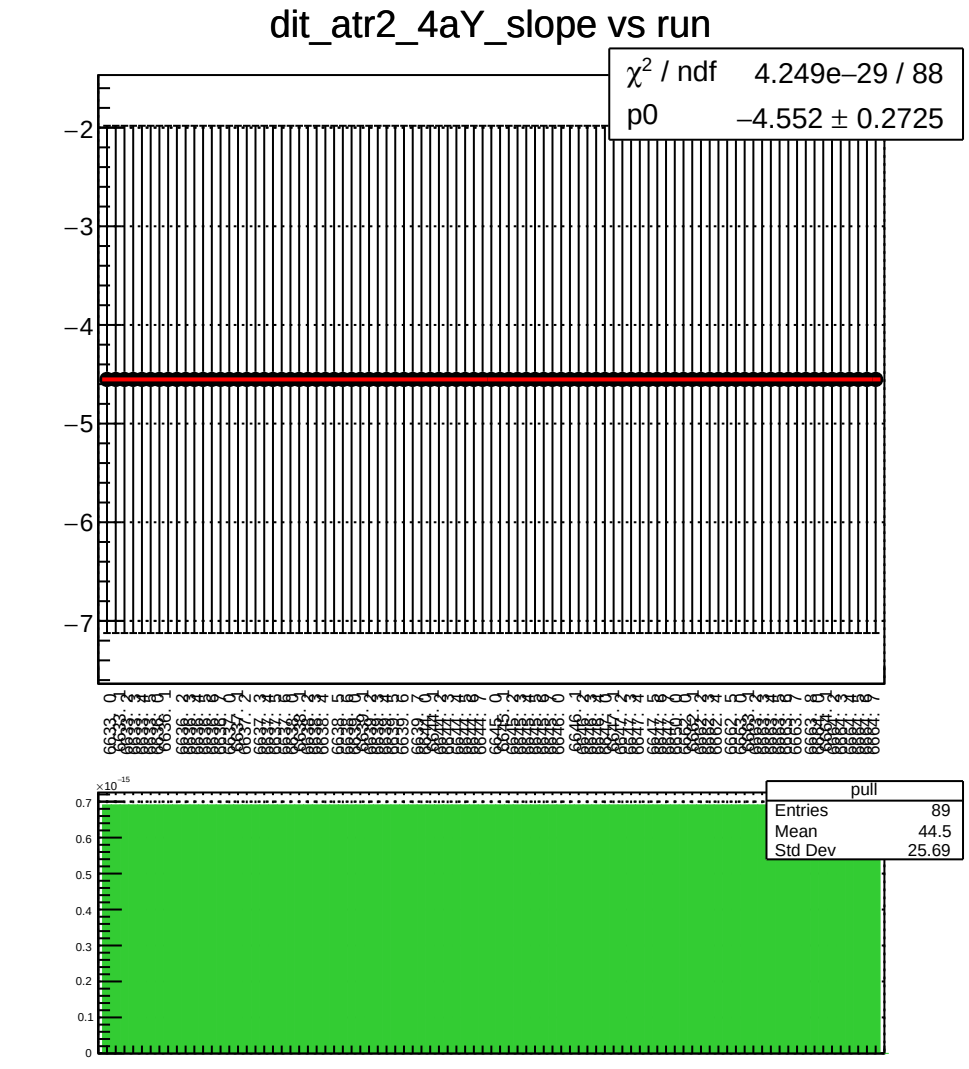

pull1D
Entries 89
Mean 3.013e−14
Std Dev 1.64e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

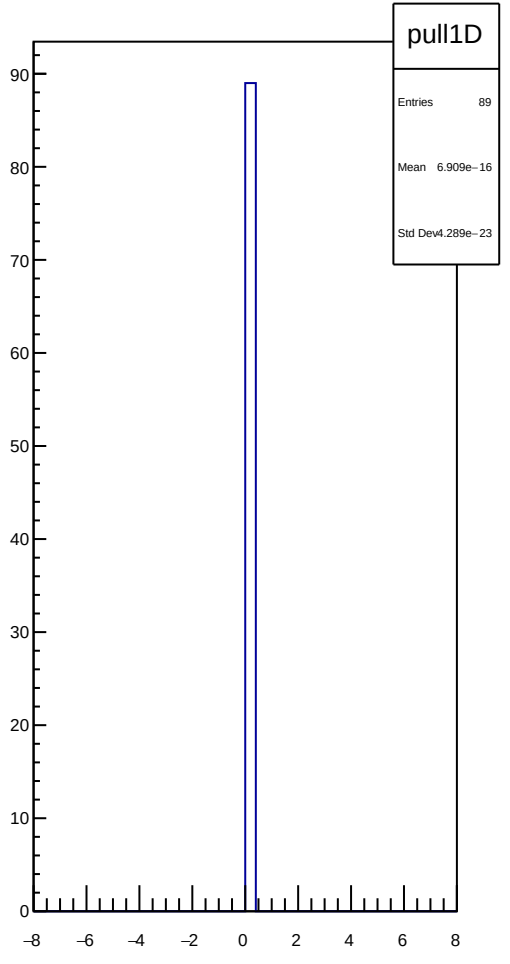

dit_atr1_4eY_slope vs run
χ² / ndf 3.119e−27 / 88
p0 −15.28 ± 0.1272
−14
−14.5
−15
−15.5
−16
−16.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
pull1D
Entries 89
Mean 5.92e−15
Std Dev 4.554e−22

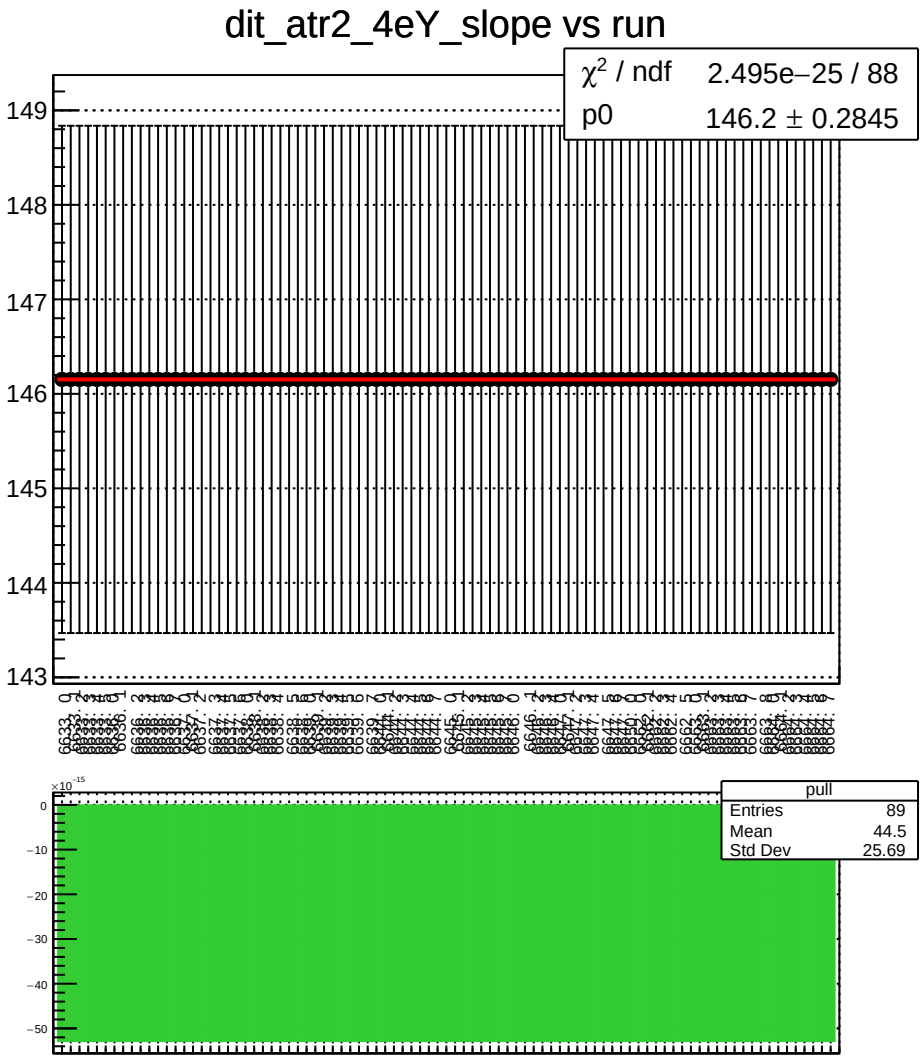

dit_atr2_4aX_slope vs run
χ^2 / ndf 2.292e−25 / 88
p0 −947 ± 0.95
−938
−940
−942
−944
−946
−948
−950
−952
−954
−956
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 89
Mean −5.074e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

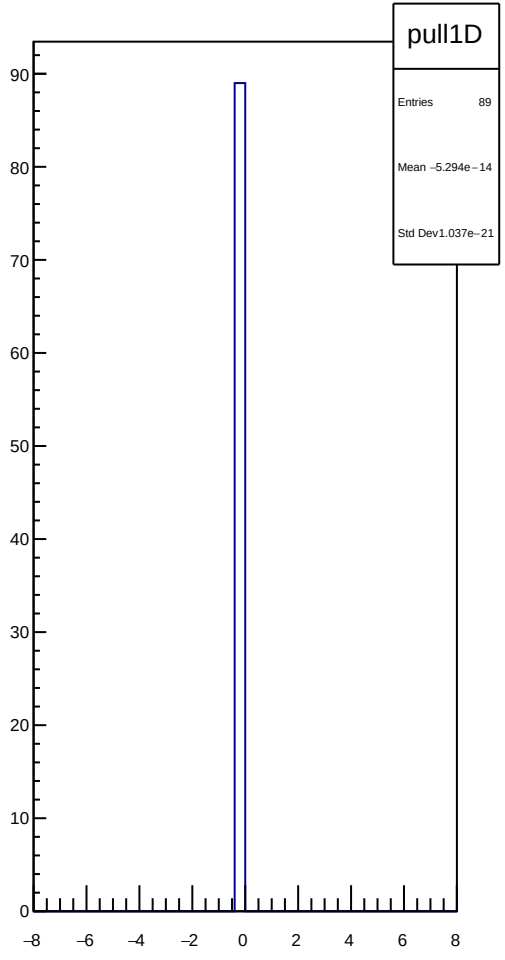

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.307e−23 / 88
p0 1138 ± 1.006
1148
1146
1144
1142
1140
1138
1136
1134
1132
1130
1128
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 89
Mean 3.832e−13
Std Dev 2.247e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

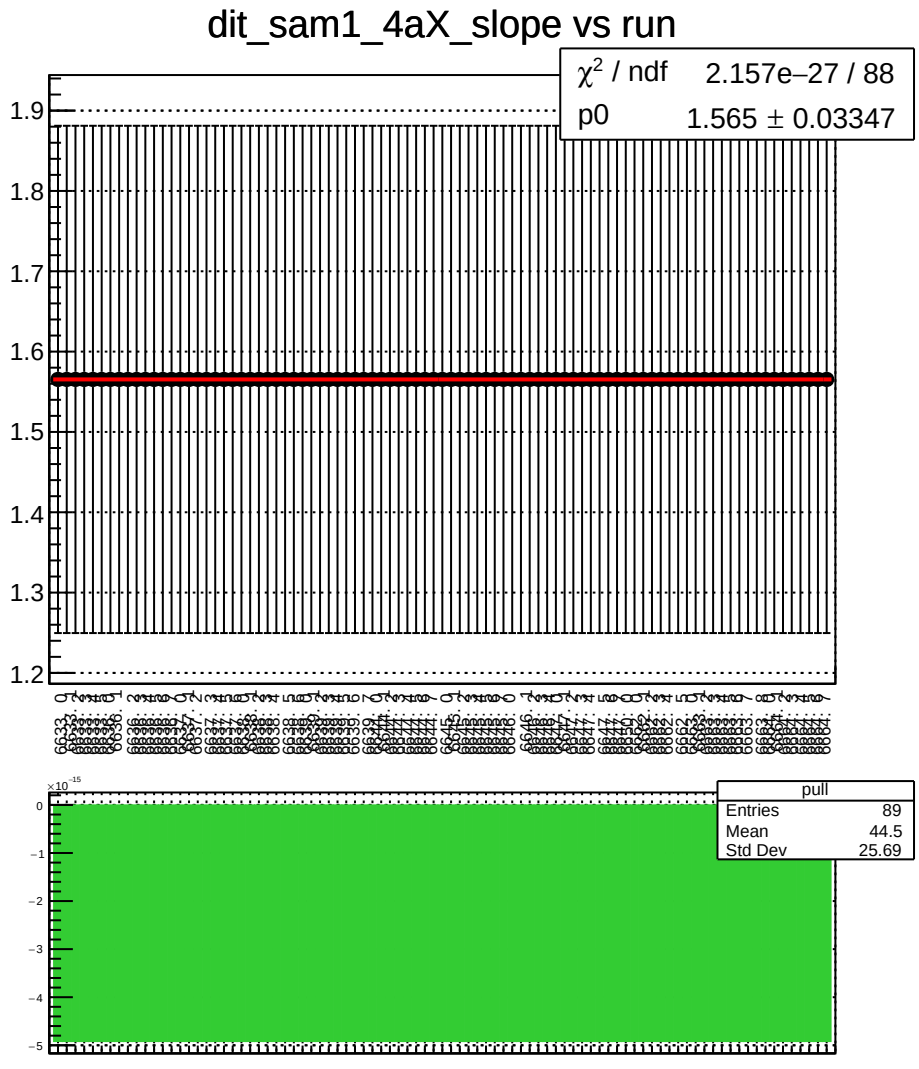

dit_atr2_11X12X_slope vs run
χ² / ndf 1.502e−23 / 88
p0 −306.9 ± 0.22
−304.5
−305
−305.5
−306
−306.5
−307
−307.5
−308
−308.5
−309
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 89
Mean −4.107e−13
Std Dev 2.49e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

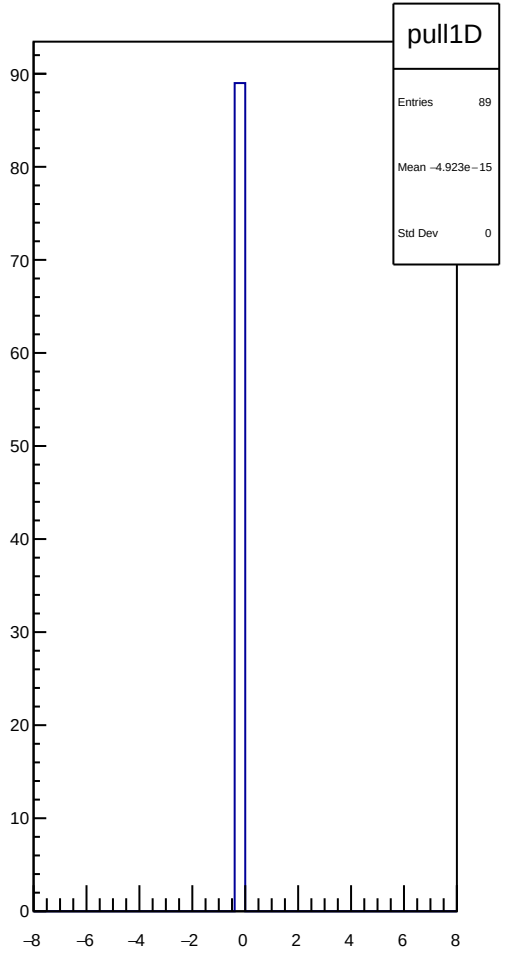

dit_atr2_4aY_slope vs run
χ² / ndf 4.249e−29 / 88
p0 −4.552 ± 0.2725
−2
−3
−4
−5
−6
−7
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

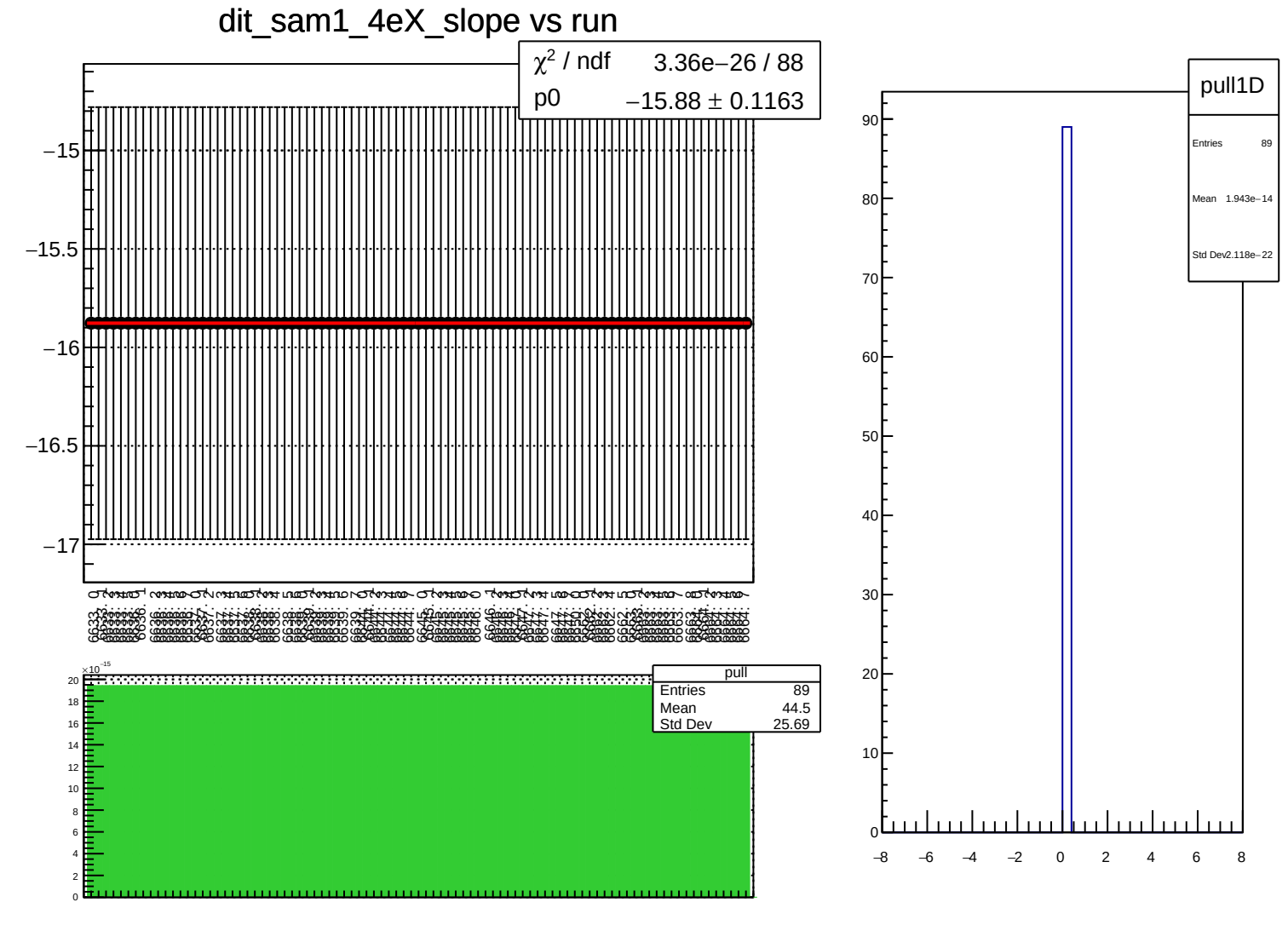

pull1D
Entries 89
Mean 6.909e−16
Std Dev 4.289e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

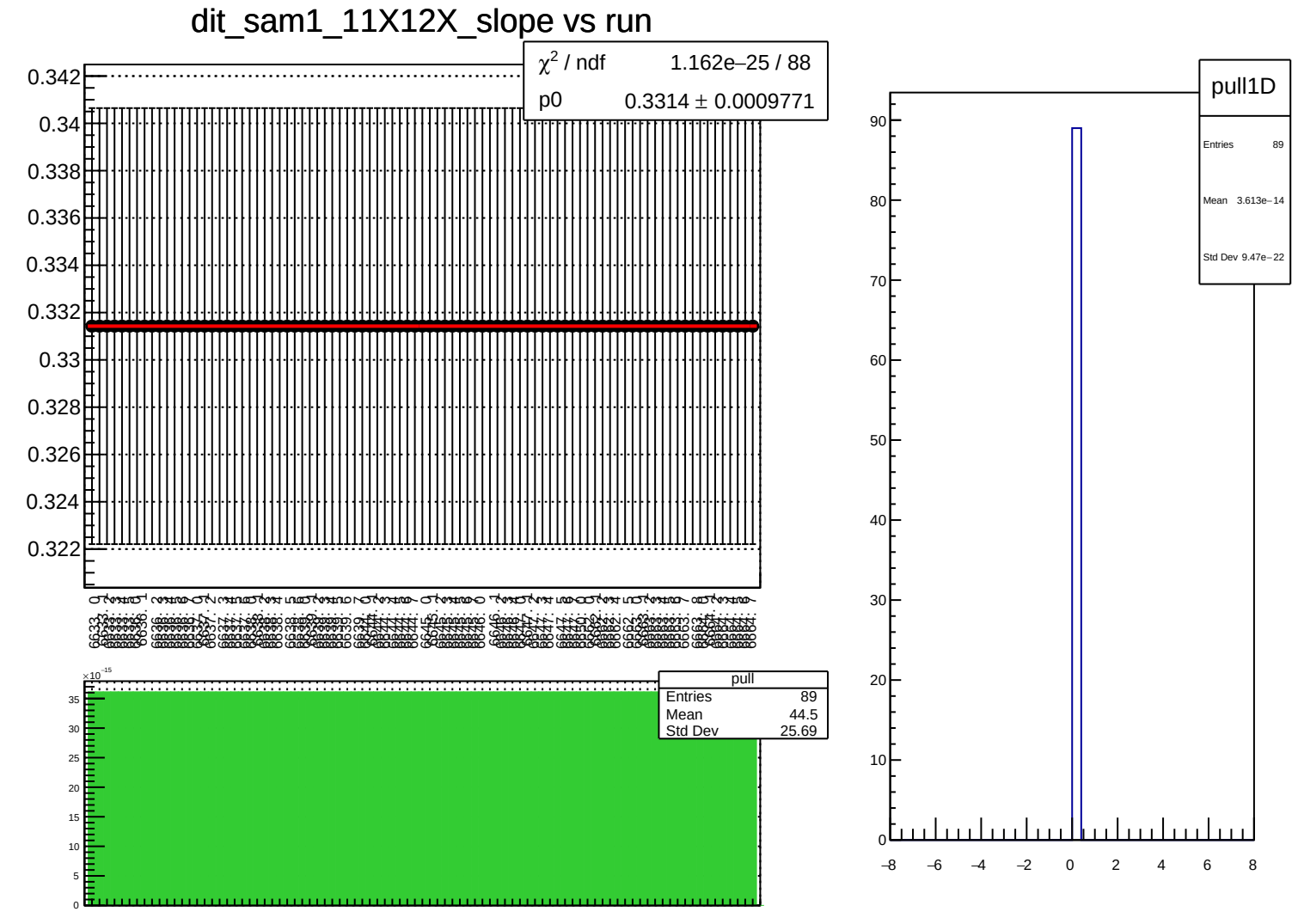

dit_atr2_4eY_slope vs run
χ² / ndf 2.495e−25 / 88
p0 146.2 ± 0.2845
149
148
147
146
145
144
143
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50

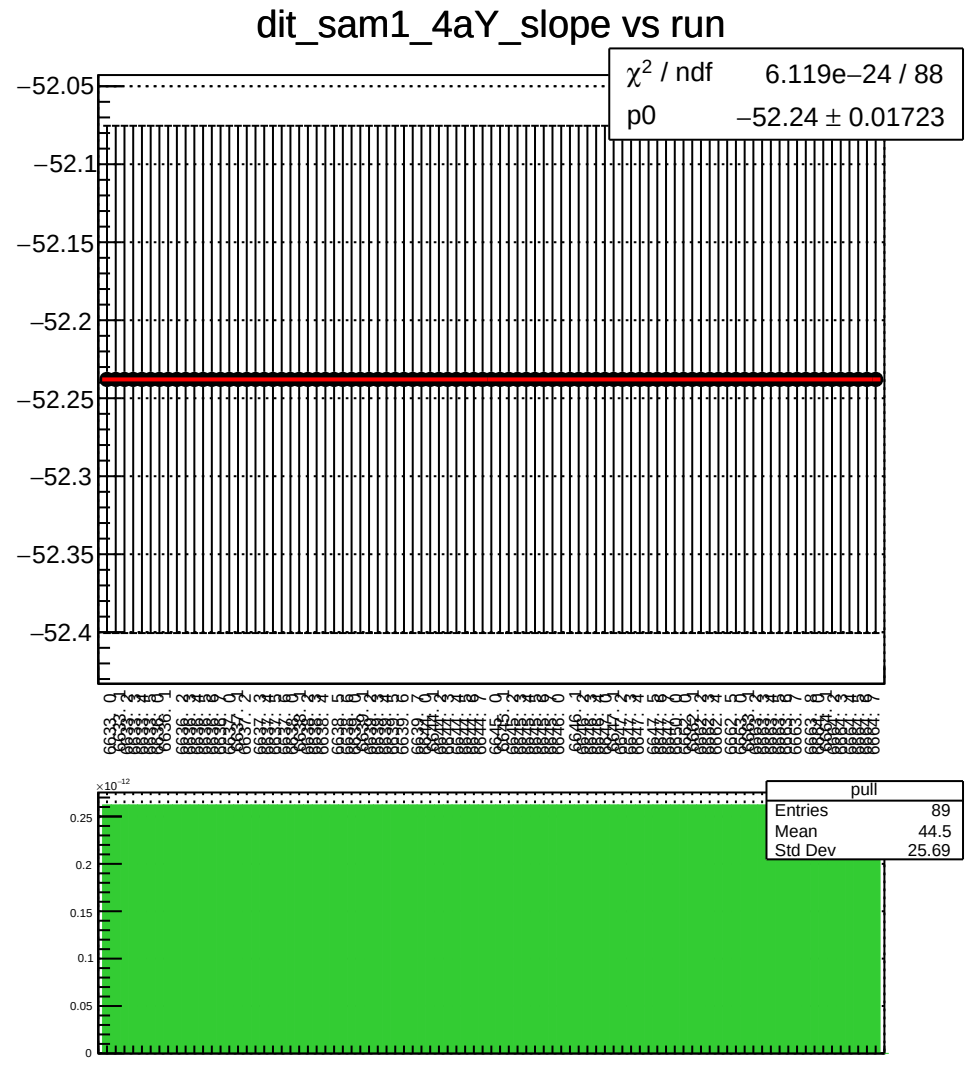

pull1D
Entries 89
Mean −5.294e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

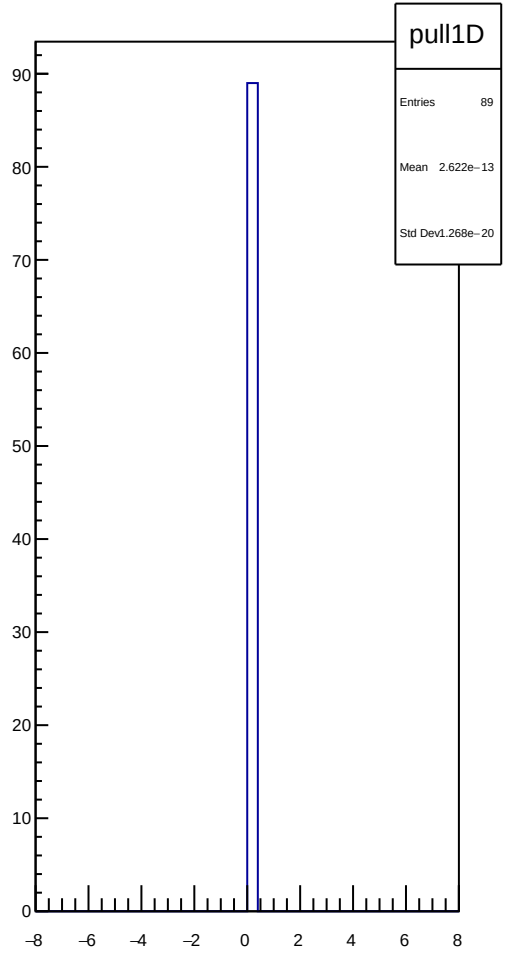

dit_sam1_4aX_slope vs run
χ^2 / ndf 2.157e−27 / 88
p0 1.565 ± 0.03347
pull
Entries 89
Mean 44.5
Std Dev 25.69

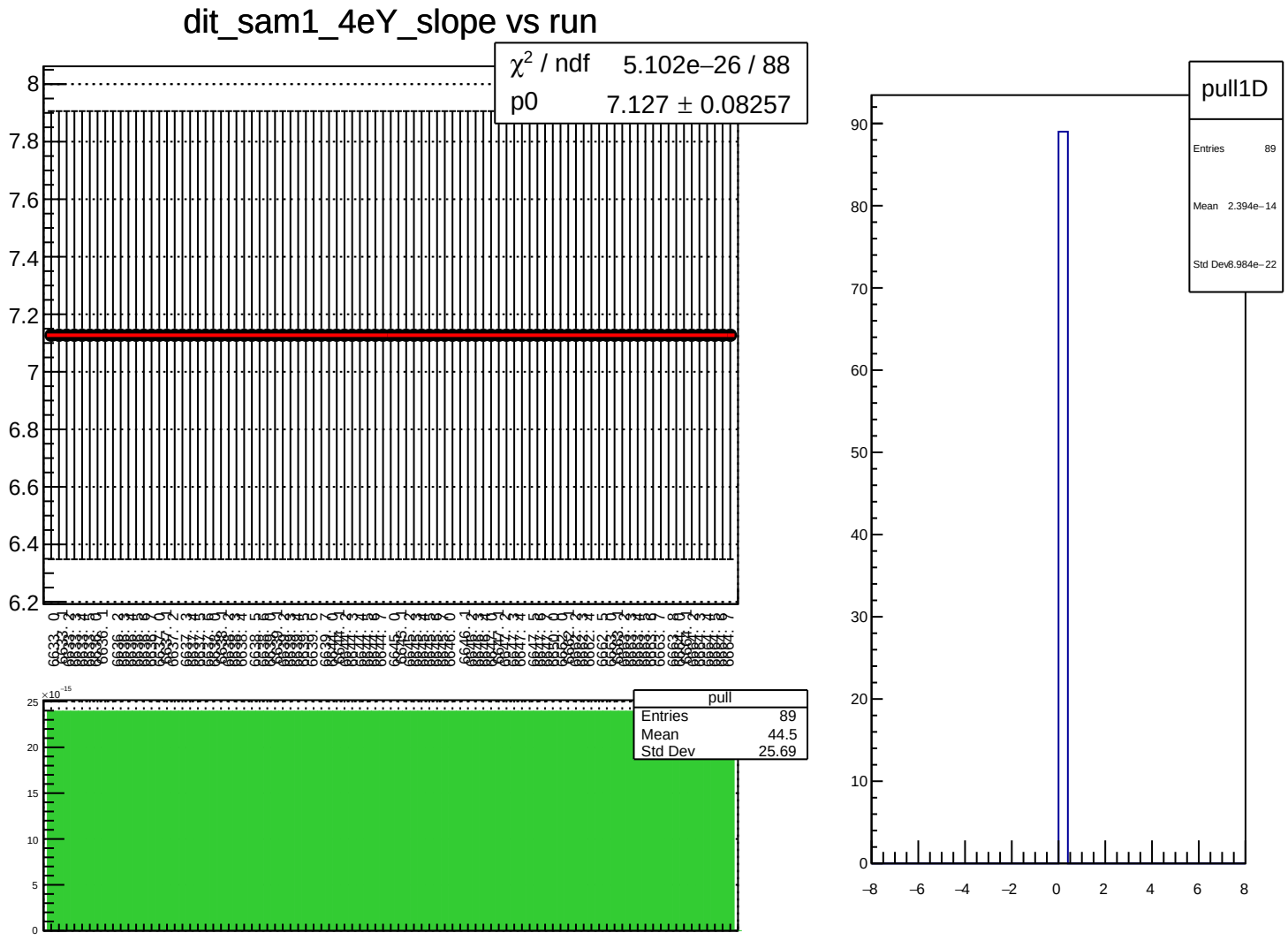

pull1D
Entries 89
Mean −4.923e−15
Std Dev 0

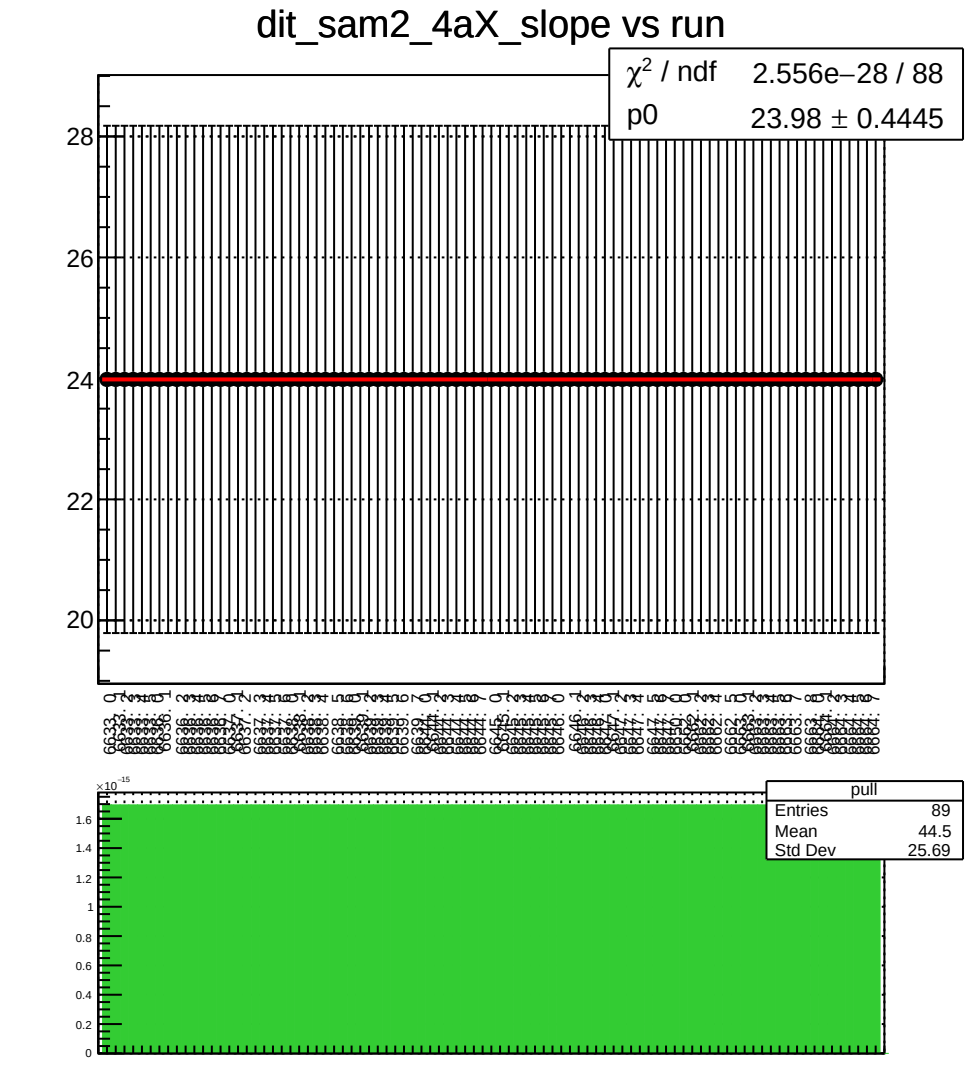

dit_sam1_4eX_slope vs run
χ² / ndf 3.36e−26 / 88
p0 −15.88 ± 0.1163
−15
−15.5
−16
−16.5
−17
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 89
Mean 1.943e−14
Std Dev 2.118e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

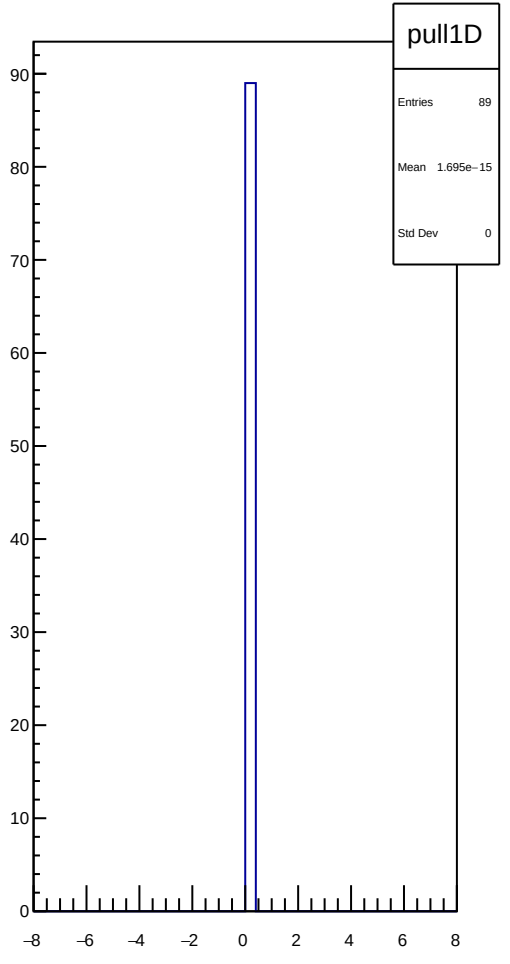

dit_sam1_11X12X_slope vs run
χ² / ndf 1.162e−25 / 88
p0 0.3314 ± 0.0009771
0.342
0.34
0.338
0.336
0.334
0.332
0.33
0.328
0.326
0.324
0.322
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 89
Mean 3.613e−14
Std Dev 9.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

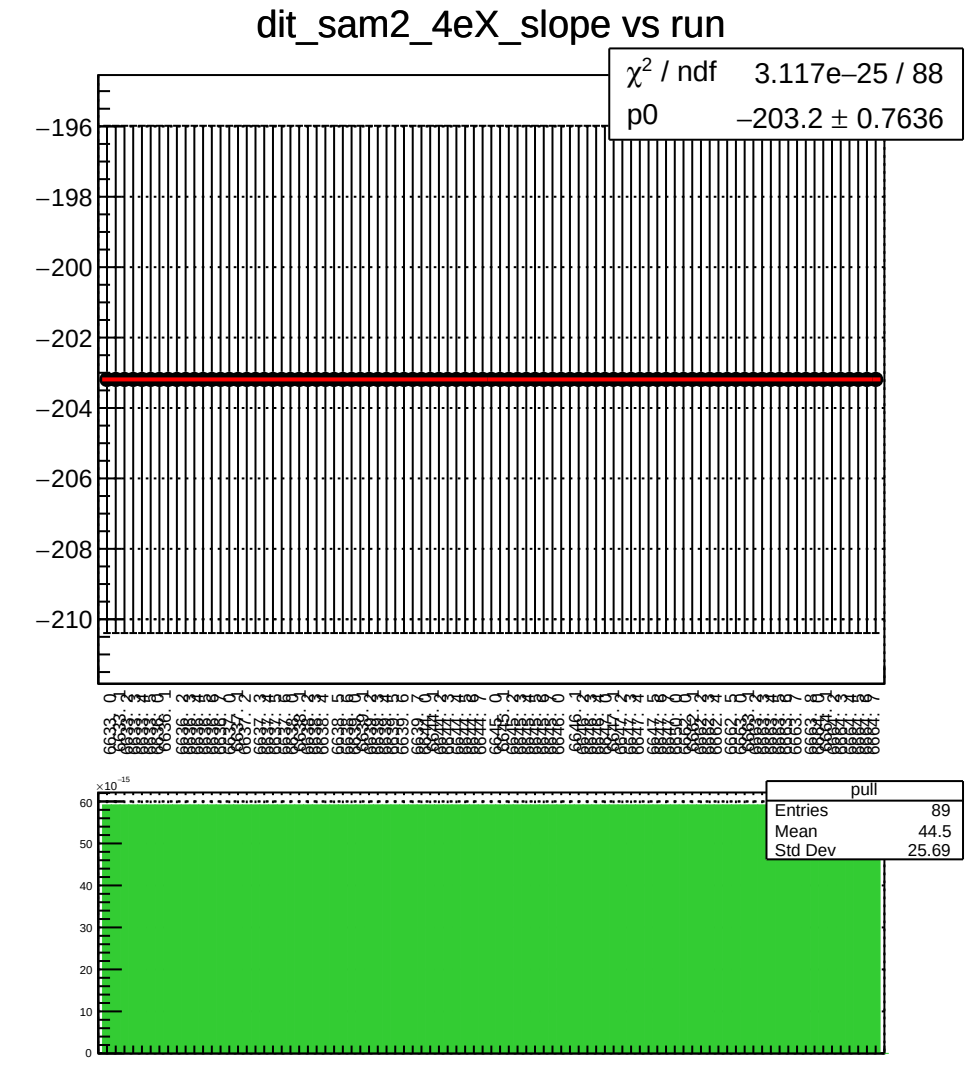

dit_sam1_4aY_slope vs run
χ² / ndf 6.119e−24 / 88
p0 −52.24 ± 0.01723
−52.05
−52.1
−52.15
−52.2
−52.25
−52.3
−52.35
−52.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

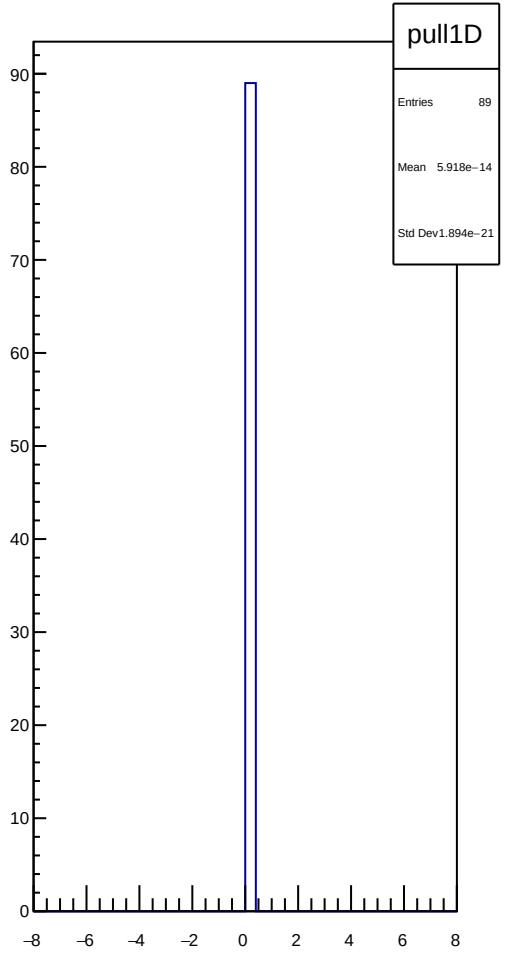

pull1D
Entries 89
Mean 2.622e−13
Std Dev1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

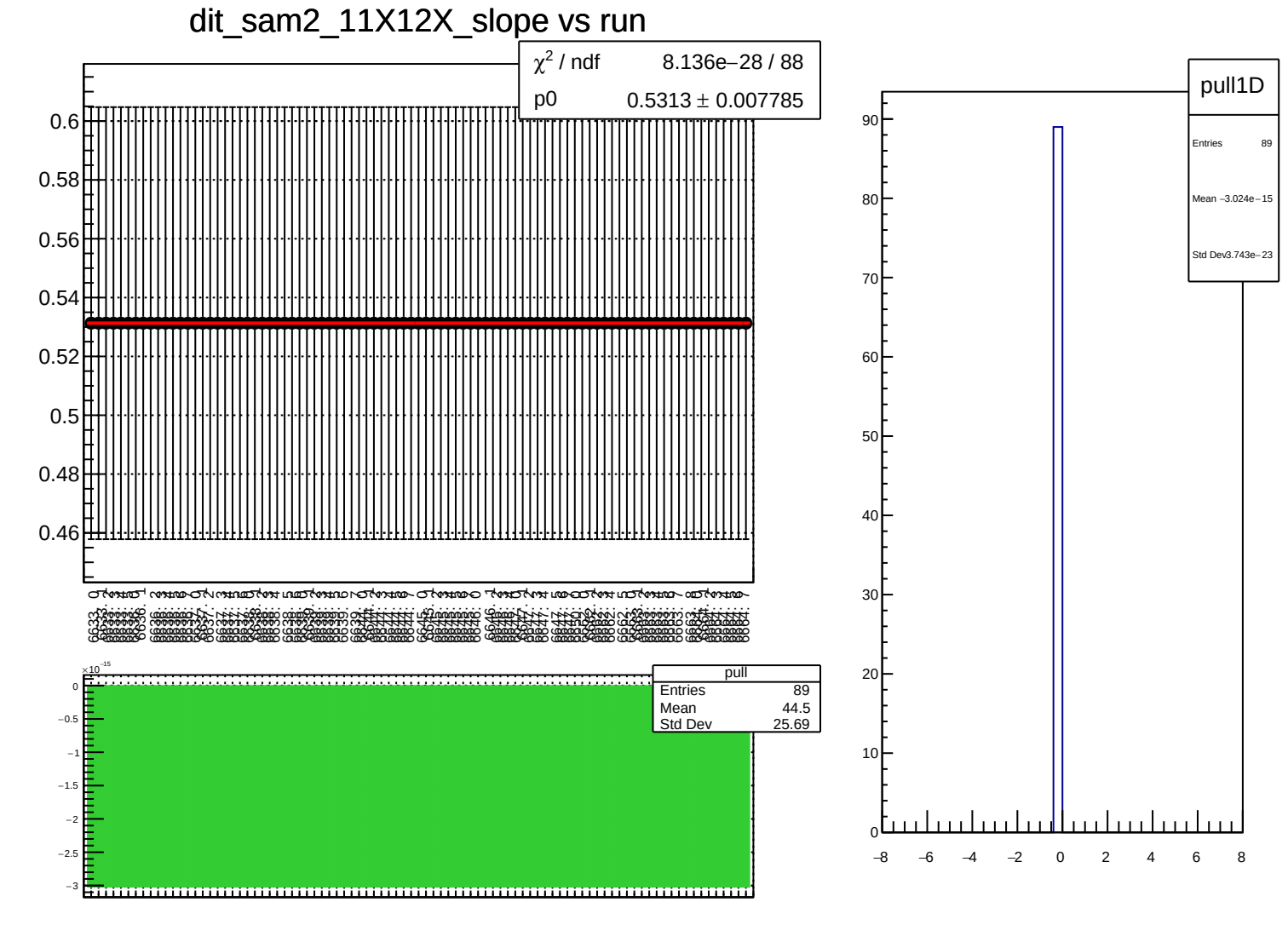

dit_sam1_4eY_slope vs run
χ² / ndf 5.102e−26 / 88
p0 7.127 ± 0.08257
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 2.394e−14
Std Dev 8.984e−22

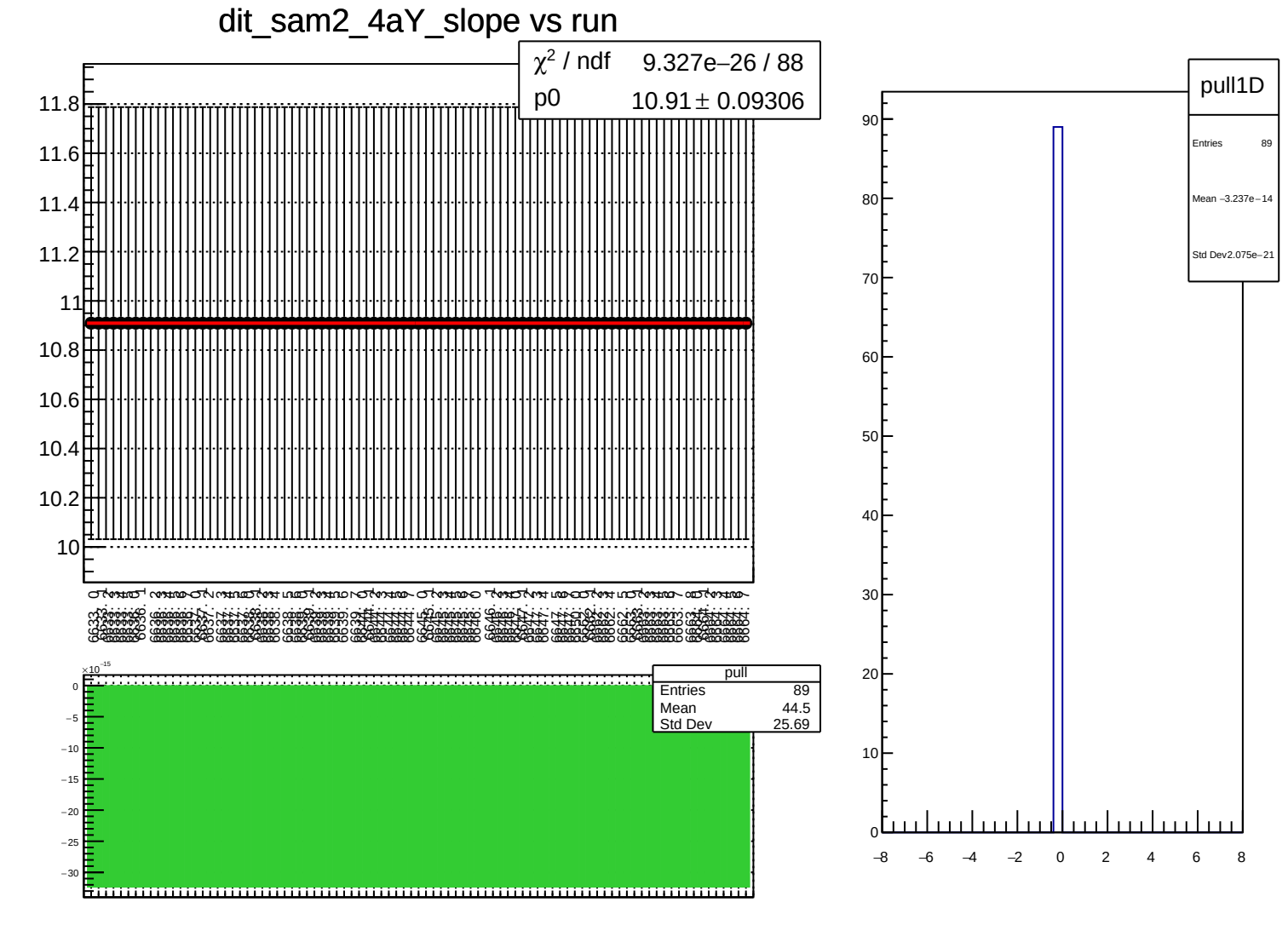

dit_sam2_4aX_slope vs run
χ^2 / ndf 2.556e−28 / 88
p0 23.98 ± 0.4445
28
26
24
22
20
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

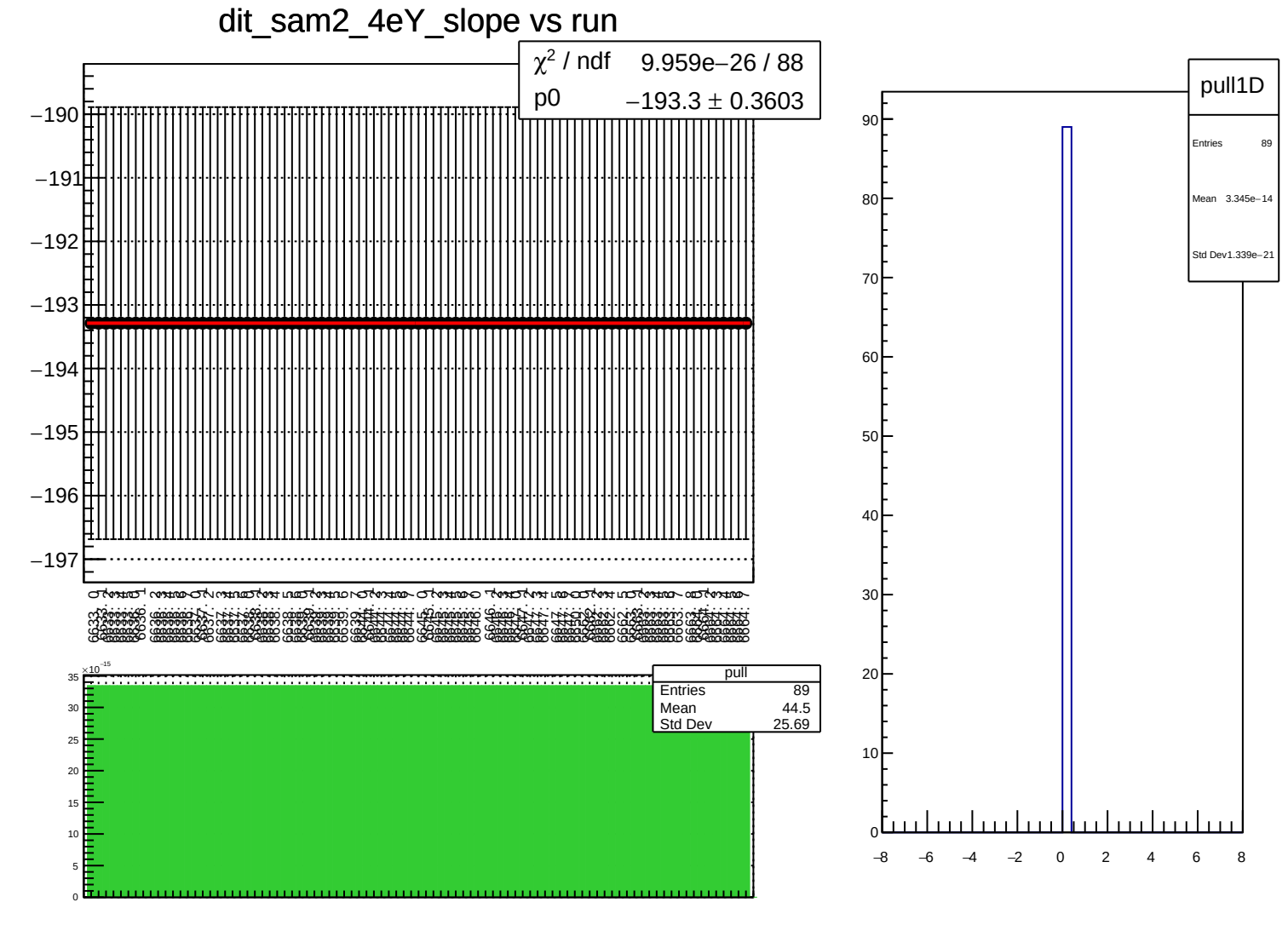

pull1D
Entries 89
Mean 1.695e−15
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

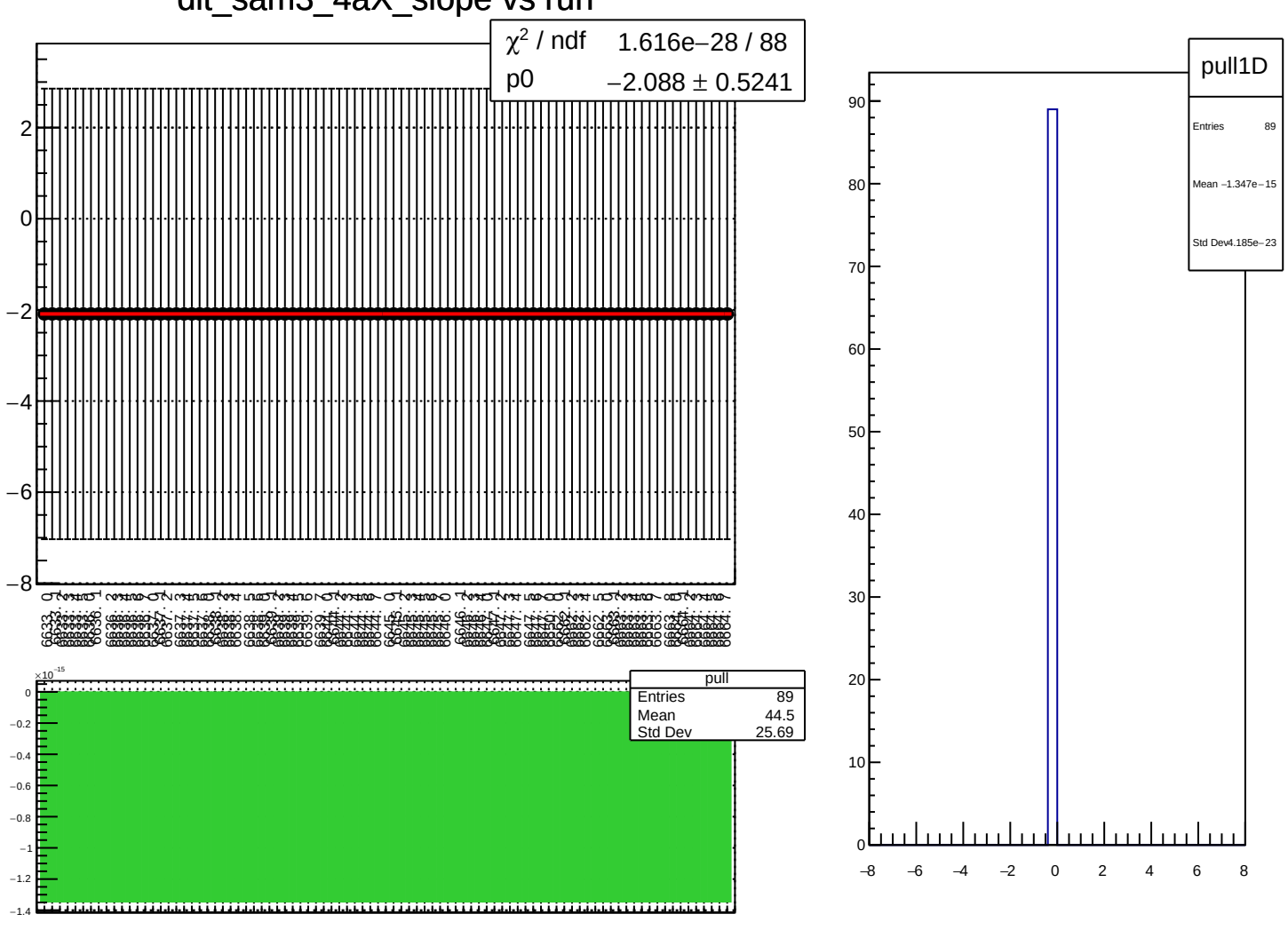

dit_sam2_4eX_slope vs run
χ² / ndf 3.117e−25 / 88
p0 −203.2 ± 0.7636
−196
−198
−200
−202
−204
−206
−208
−210
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
60
50
40
30
20
10
0

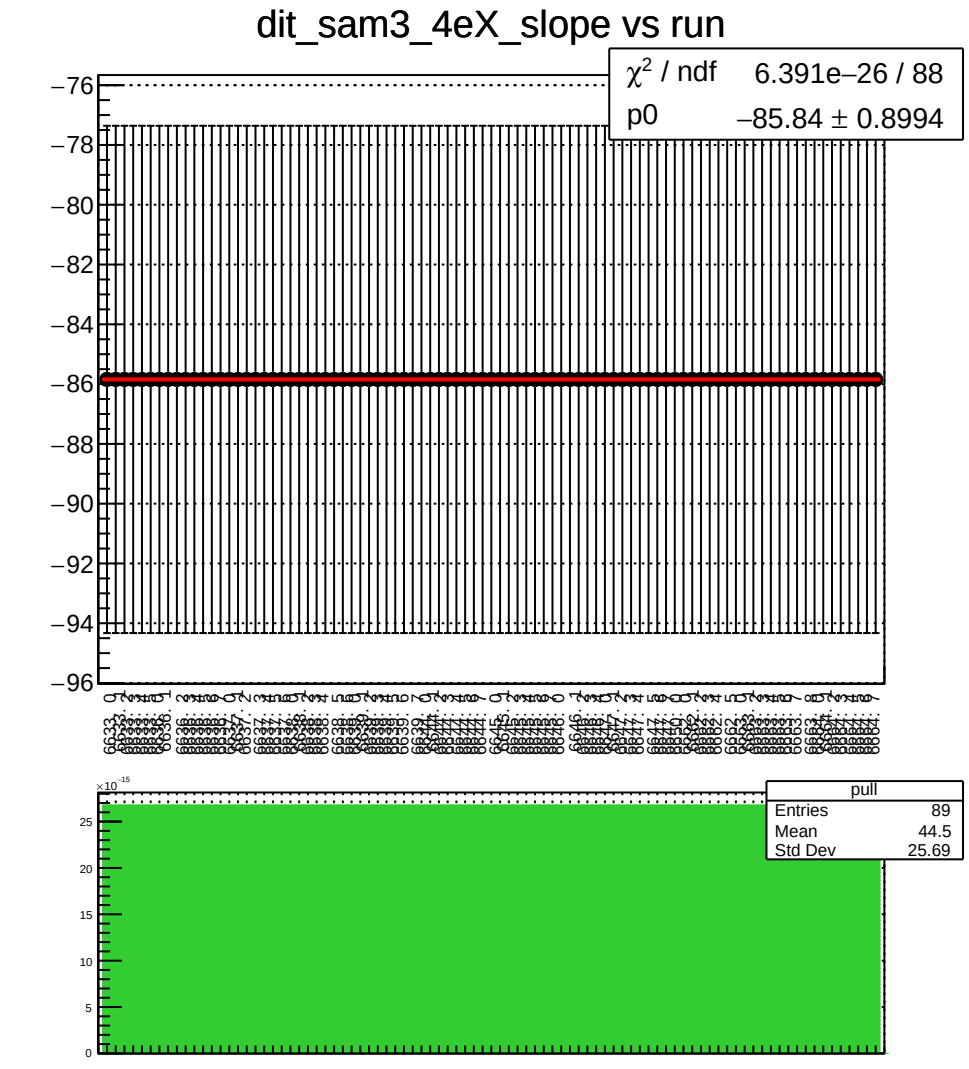

pull1D
Entries 89
Mean 5.918e−14
Std Dev1.894e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

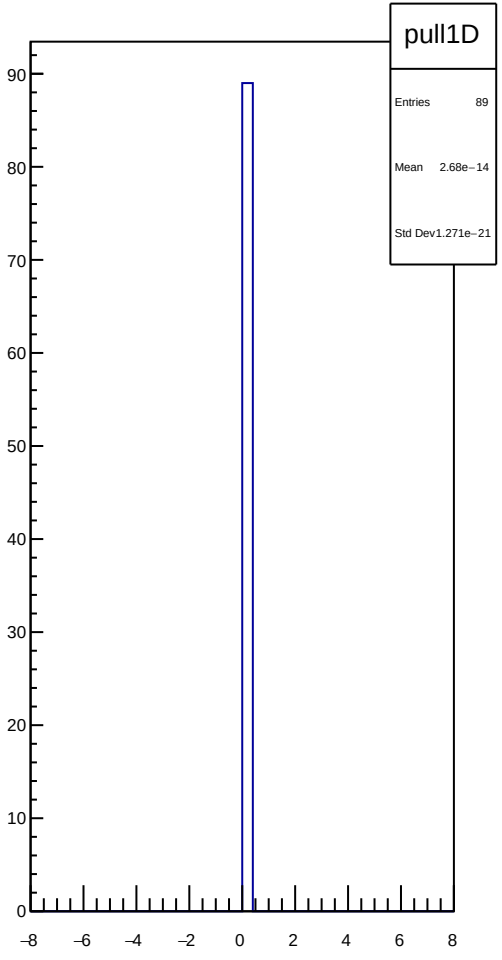

dit_sam2_11X12X_slope vs run
χ² / ndf 8.136e−28 / 88
p0 0.5313 ± 0.007785
0.6
0.58
0.56
0.54
0.52
0.5
0.48
0.46
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 89
Mean −3.024e−15
Std Dev 3.743e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

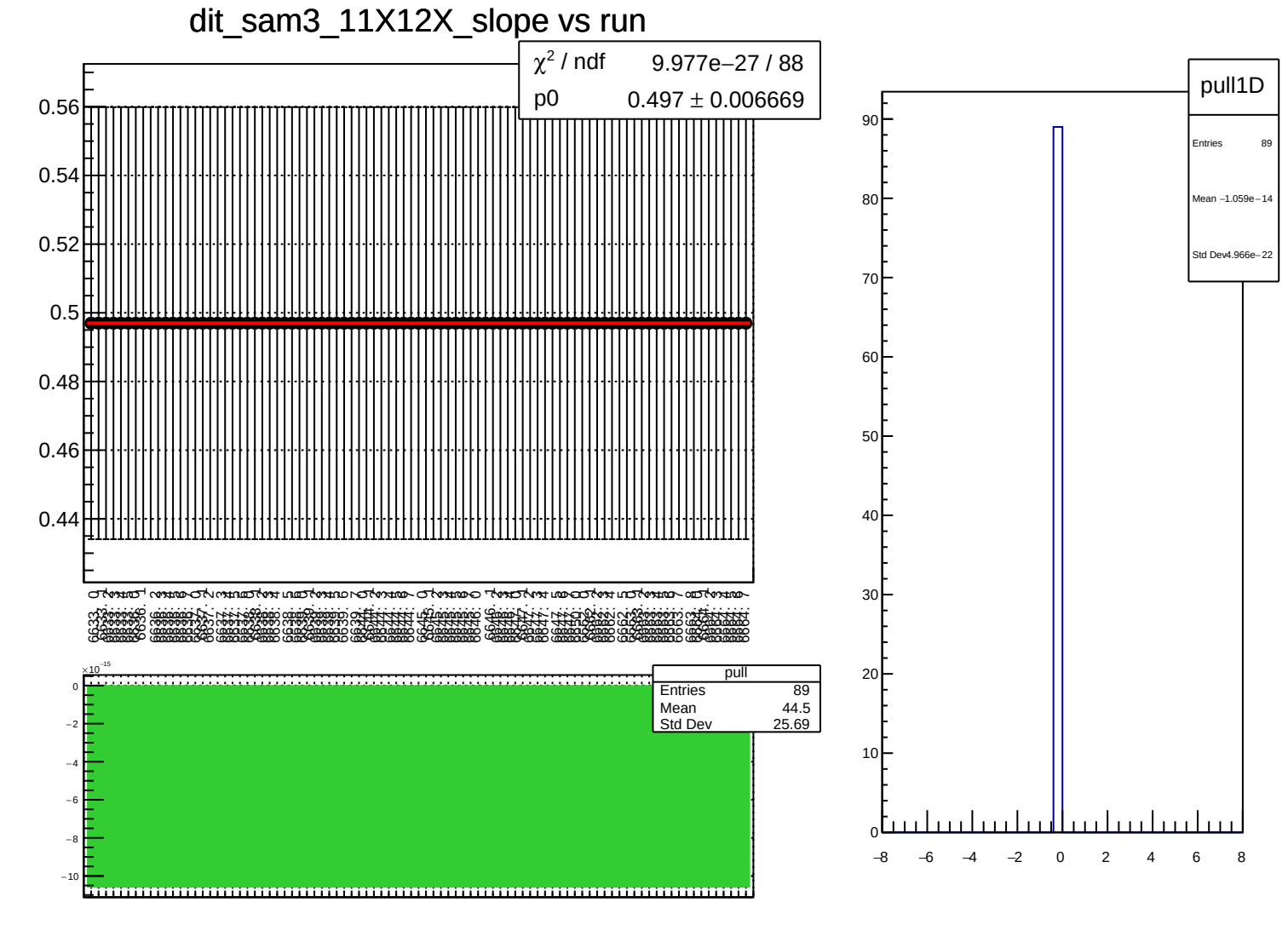

dit_sam2_4aY_slope vs run
χ² / ndf 9.327e−26 / 88
p0 10.91 ± 0.09306
11.8
11.6
11.4
11.2
11
10.8
10.6
10.4
10.2
10
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 89
Mean −3.237e−14
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

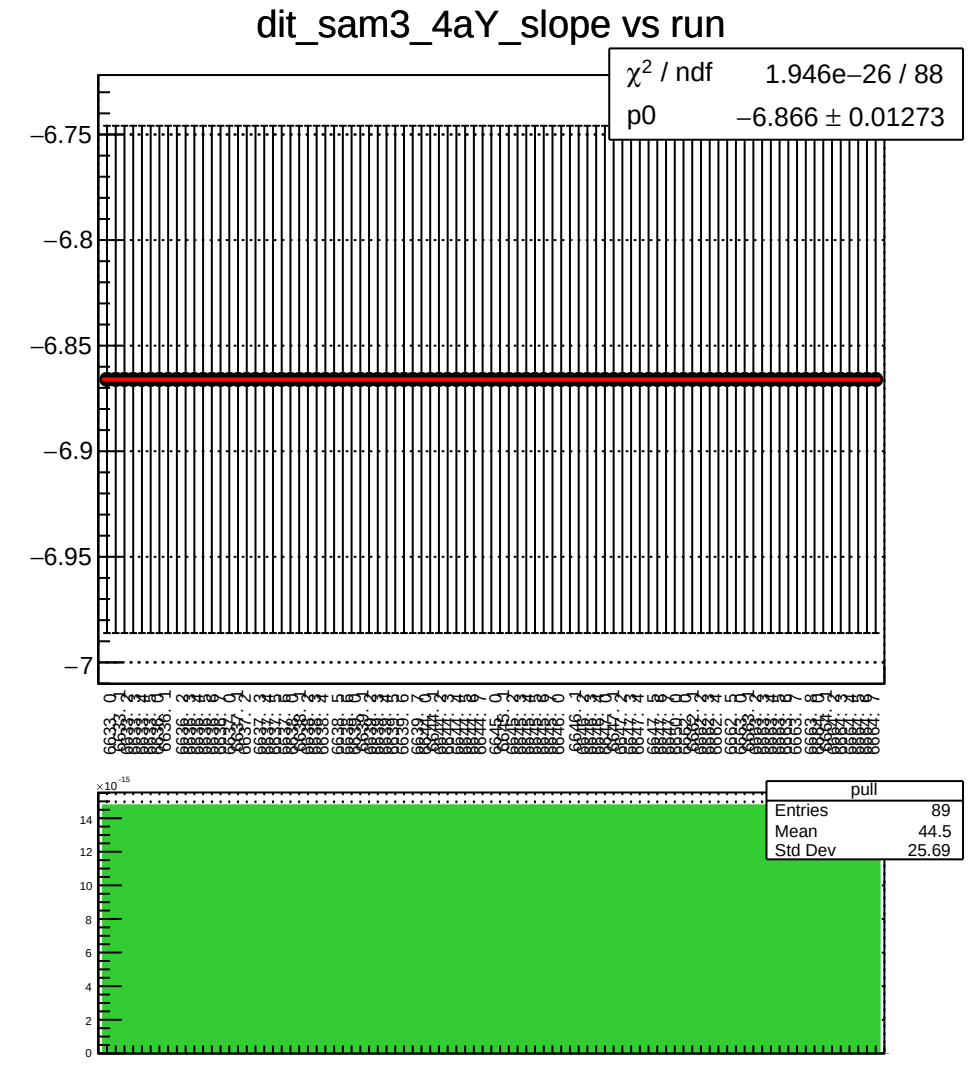

dit_sam2_4eY_slope vs run
χ² / ndf 9.959e−26 / 88
p0 −193.3 ± 0.3603
−190
−191
−192
−193
−194
−195
−196
−197
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 89
Mean 3.345e−14
Std Dev 1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

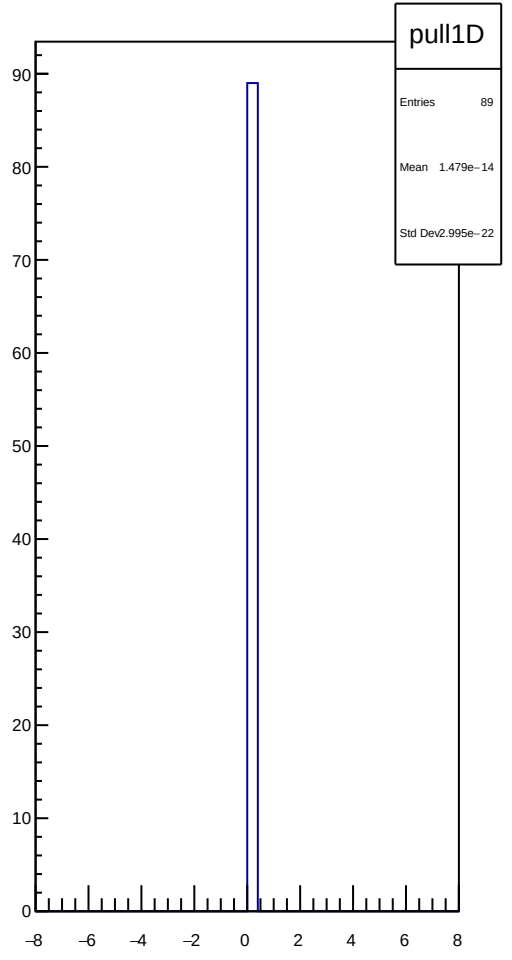

dit_sam3_4aX_slope vs run
χ² / ndf 1.616e−28 / 88
p0 −2.088 ± 0.5241
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.347e−15
Std Dev4.185e−23

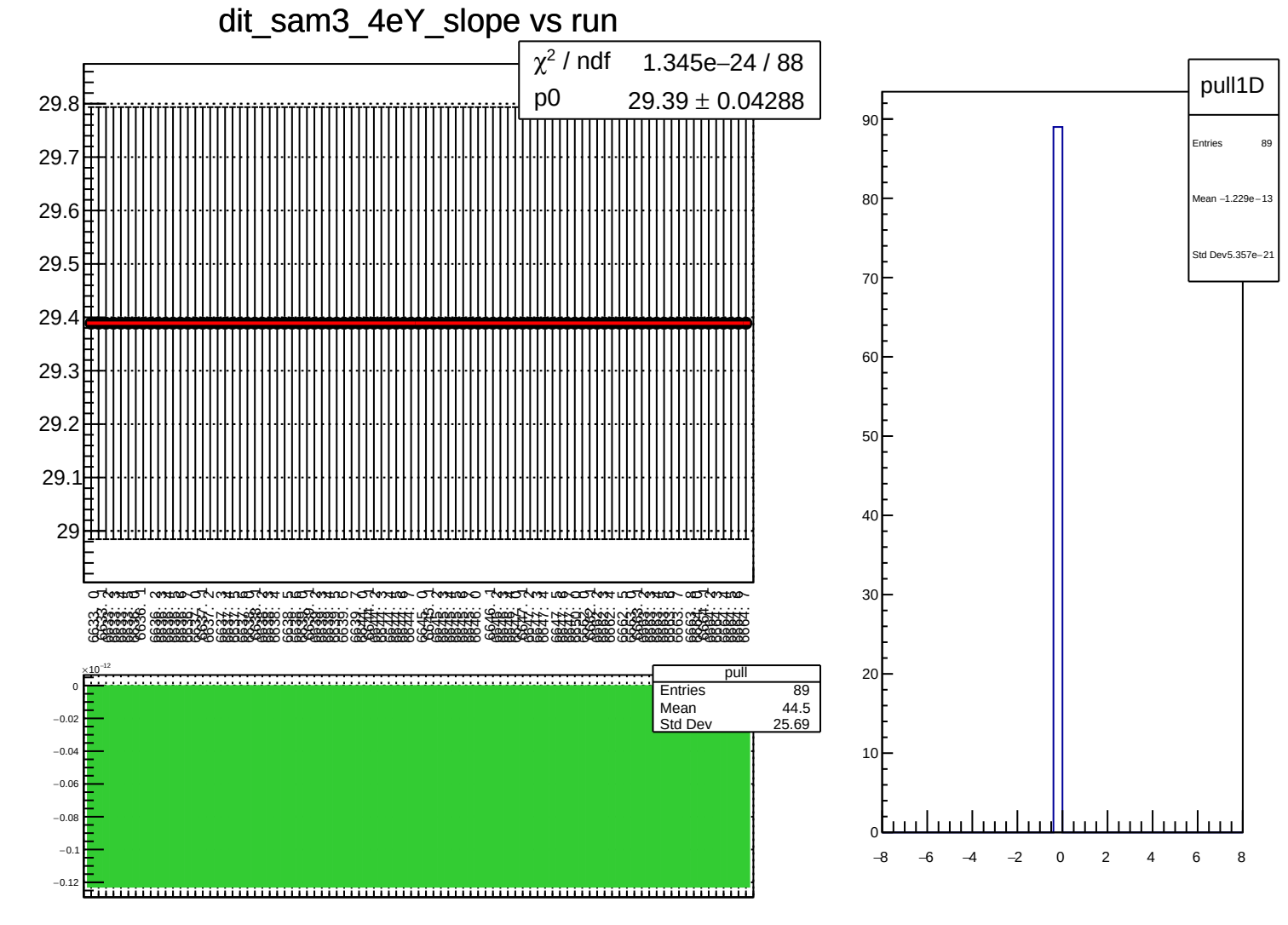

dit_sam3_4eX_slope vs run
χ² / ndf 6.391e−26 / 88
p0 −85.84 ± 0.8994
pull
Entries 89
Mean 44.5
Std Dev 25.69

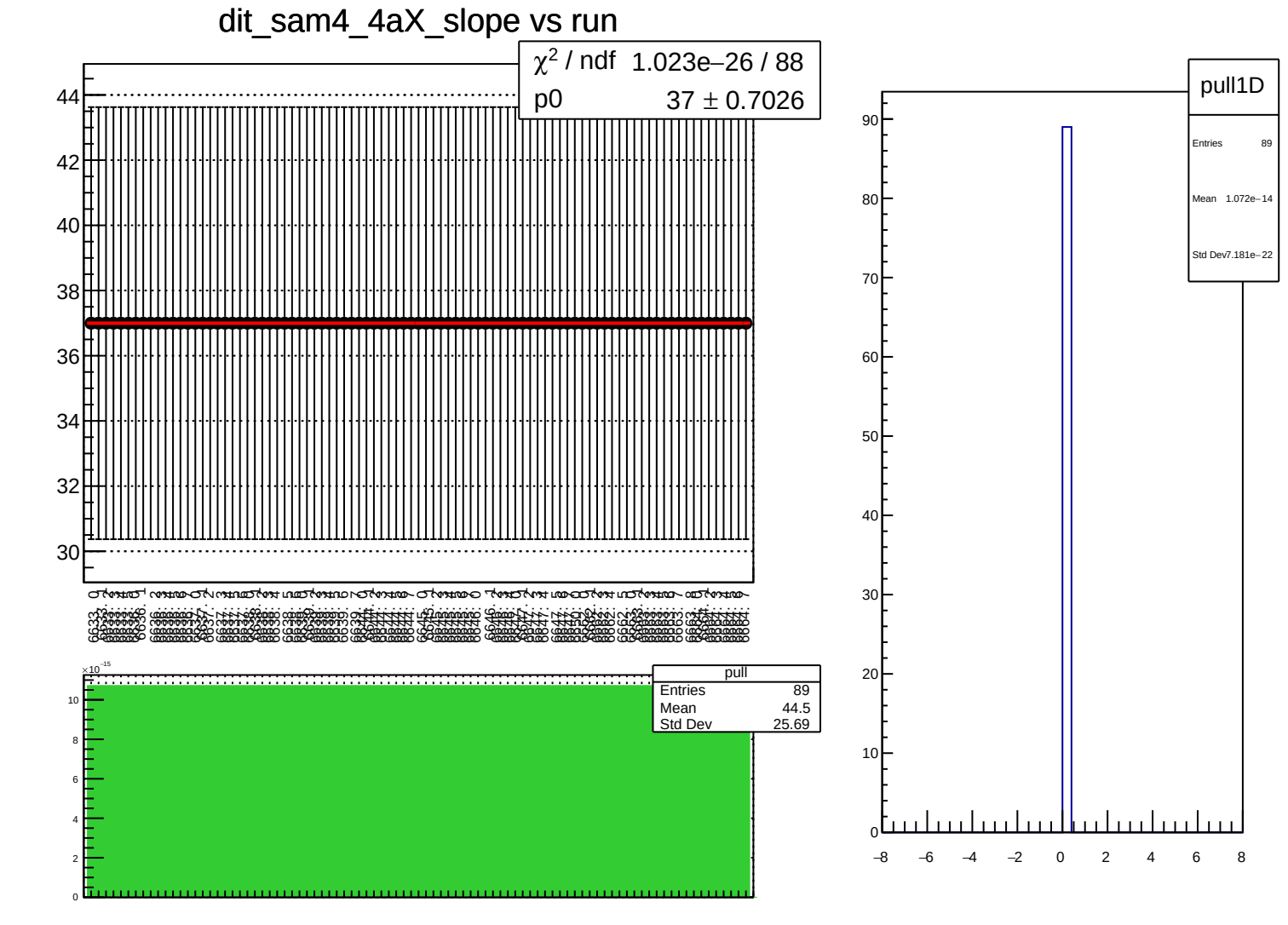

pull1D
Entries 89
Mean 2.68e−14
Std Dev1.271e−21

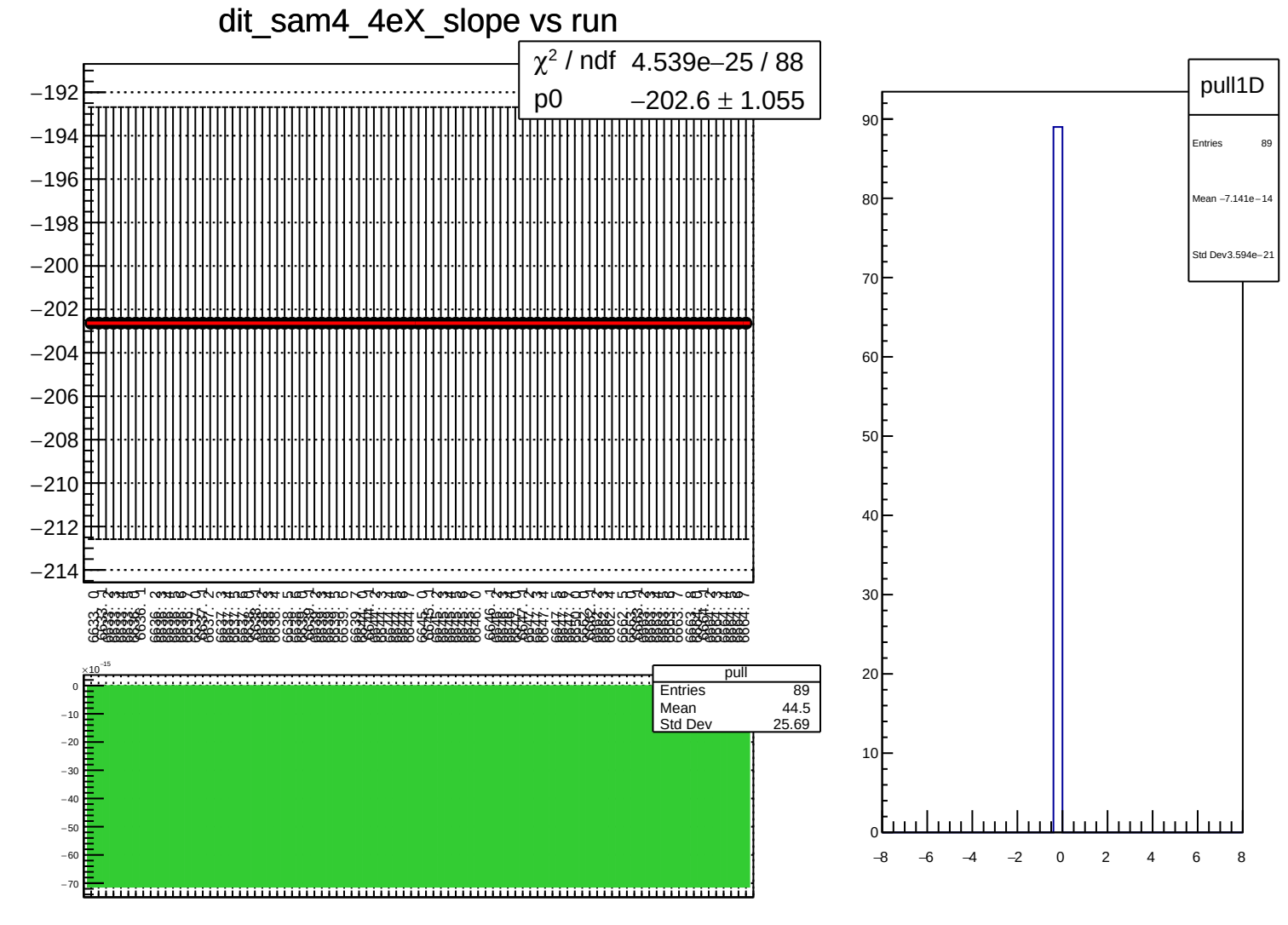

dit_sam3_11X12X_slope vs run
χ² / ndf 9.977e−27 / 88
p0 0.497 ± 0.006669
0.56
0.54
0.52
0.5
0.48
0.46
0.44
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 89
Mean −1.059e−14
Std Dev4.966e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

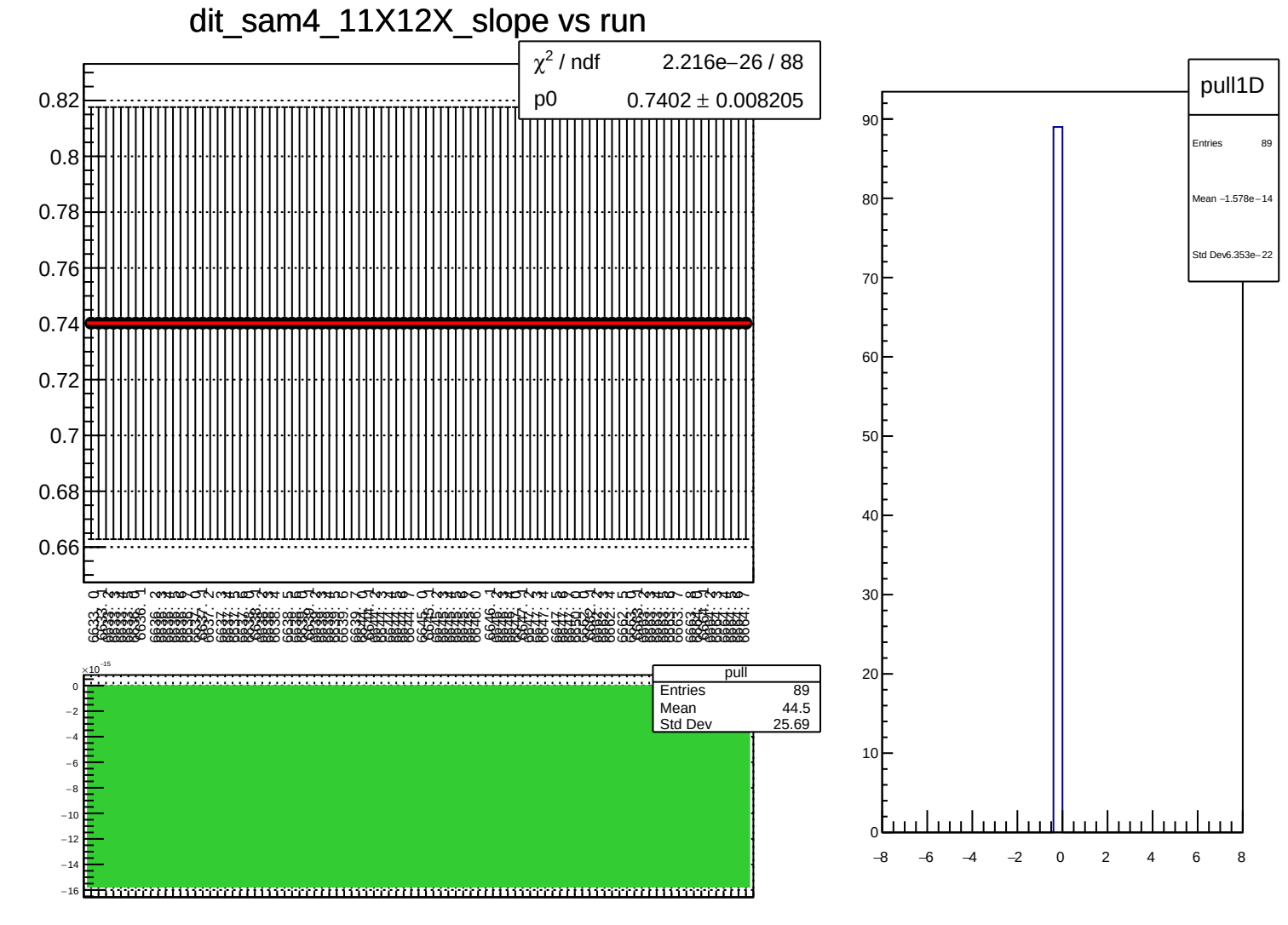

dit_sam3_4aY_slope vs run
χ² / ndf 1.946e−26 / 88
p0 −6.866 ± 0.01273
−6.75
−6.8
−6.85
−6.9
−6.95
−7
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
14
12
10
8
6
4
2
0

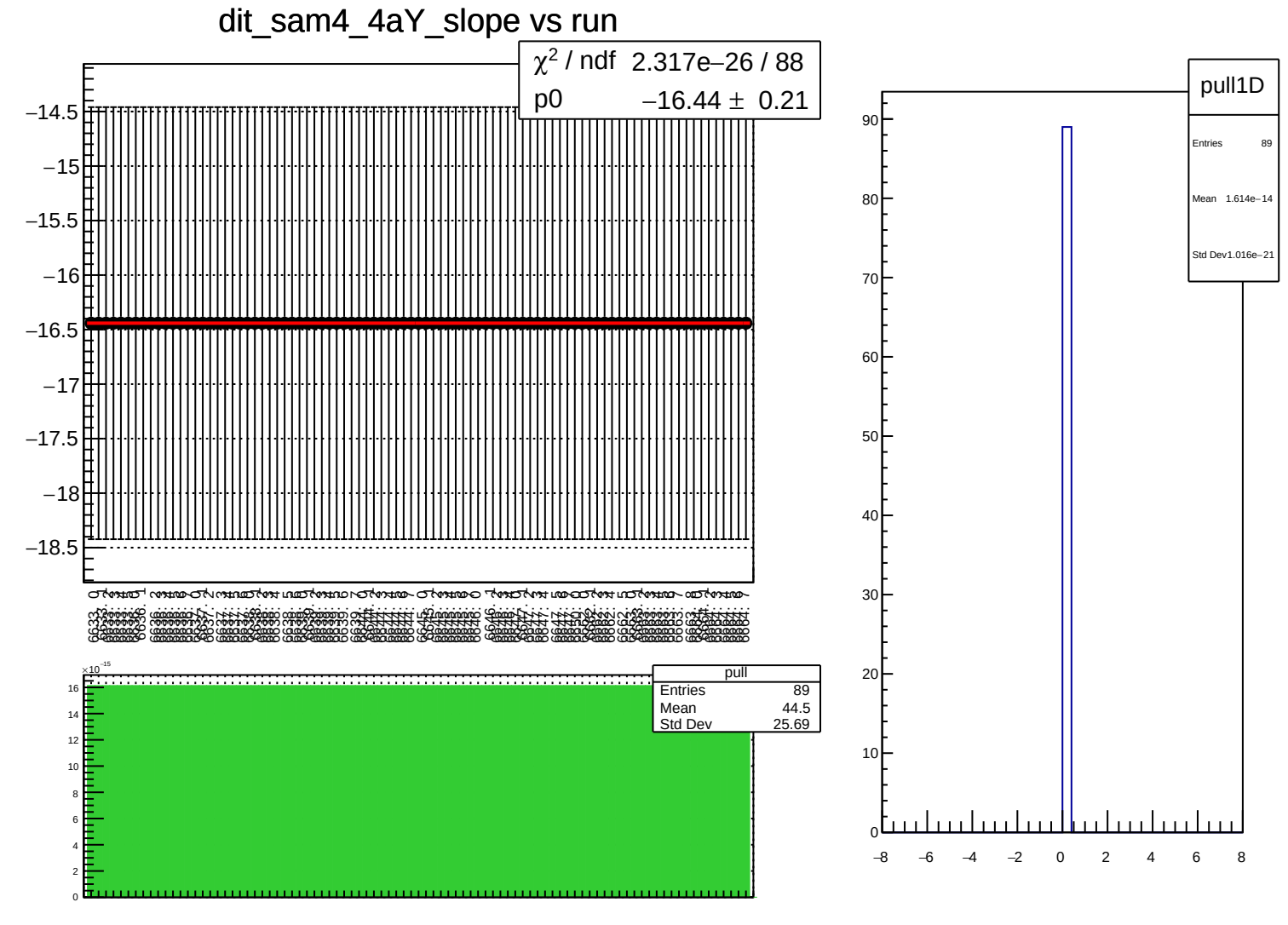

pull1D
Entries 89
Mean 1.479e−14
Std Dev 2.995e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

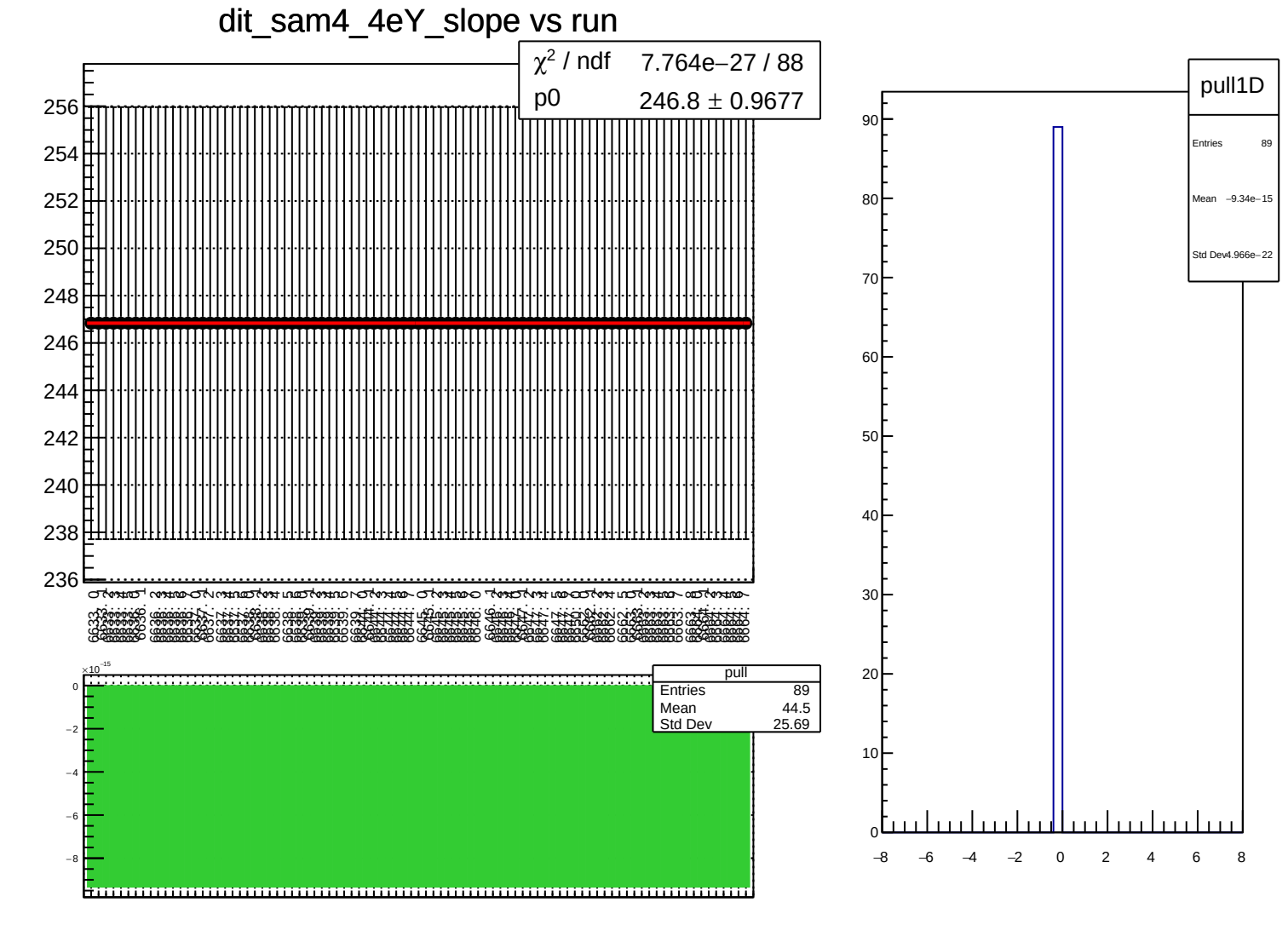

dit_sam3_4eY_slope vs run
χ^2 / ndf 1.345e−24 / 88
p0 29.39 ± 0.04288
29.8
29.7
29.6
29.5
29.4
29.3
29.2
29.1
29
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 89
Mean −1.229e−13
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

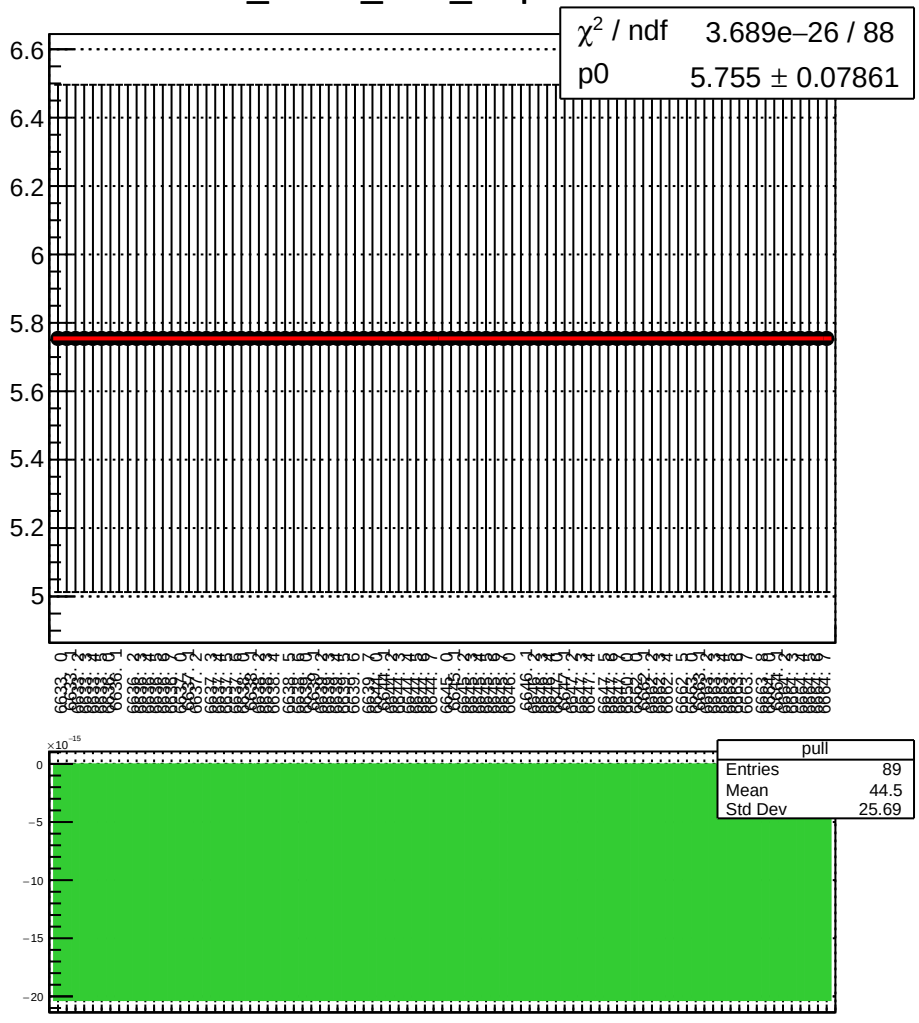

dit_sam4_4aX_slope vs run
χ² / ndf 1.023e−26 / 88
p0 37 ± 0.7026
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.072e−14
Std Dev7.181e−22

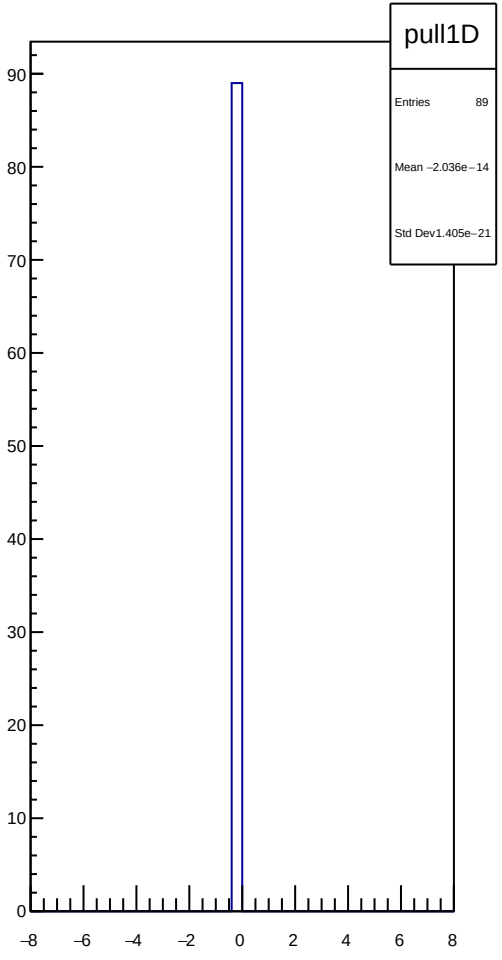

dit_sam4_4eX_slope vs run
χ² / ndf 4.539e−25 / 88
p0 −202.6 ± 1.055
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −7.141e−14
Std Dev3.594e−21

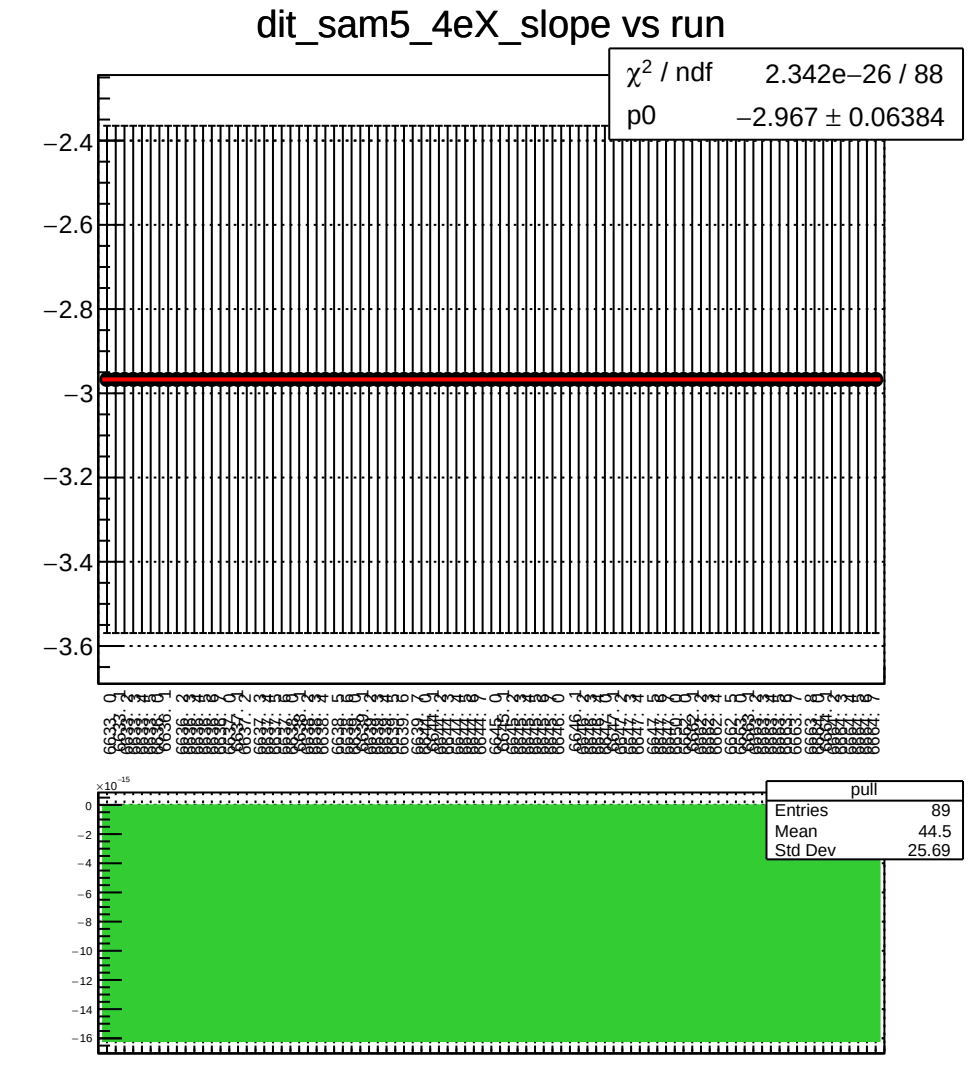

dit_sam4_11X12X_slope vs run
χ² / ndf 2.216e−26 / 88
p0 0.7402 ± 0.008205
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 89
Mean −1.578e−14
Std Dev 6.353e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

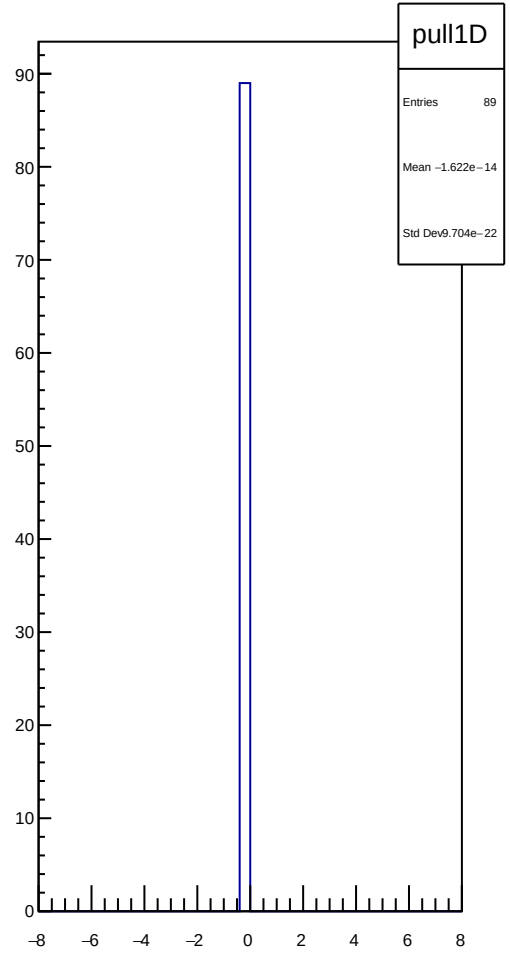

dit_sam4_4aY_slope vs run
χ² / ndf 2.317e−26 / 88
p0 −16.44 ± 0.21
−14.5
−15
−15.5
−16
−16.5
−17
−17.5
−18
−18.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull1D
Entries 89
Mean 1.614e−14
Std Dev1.016e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

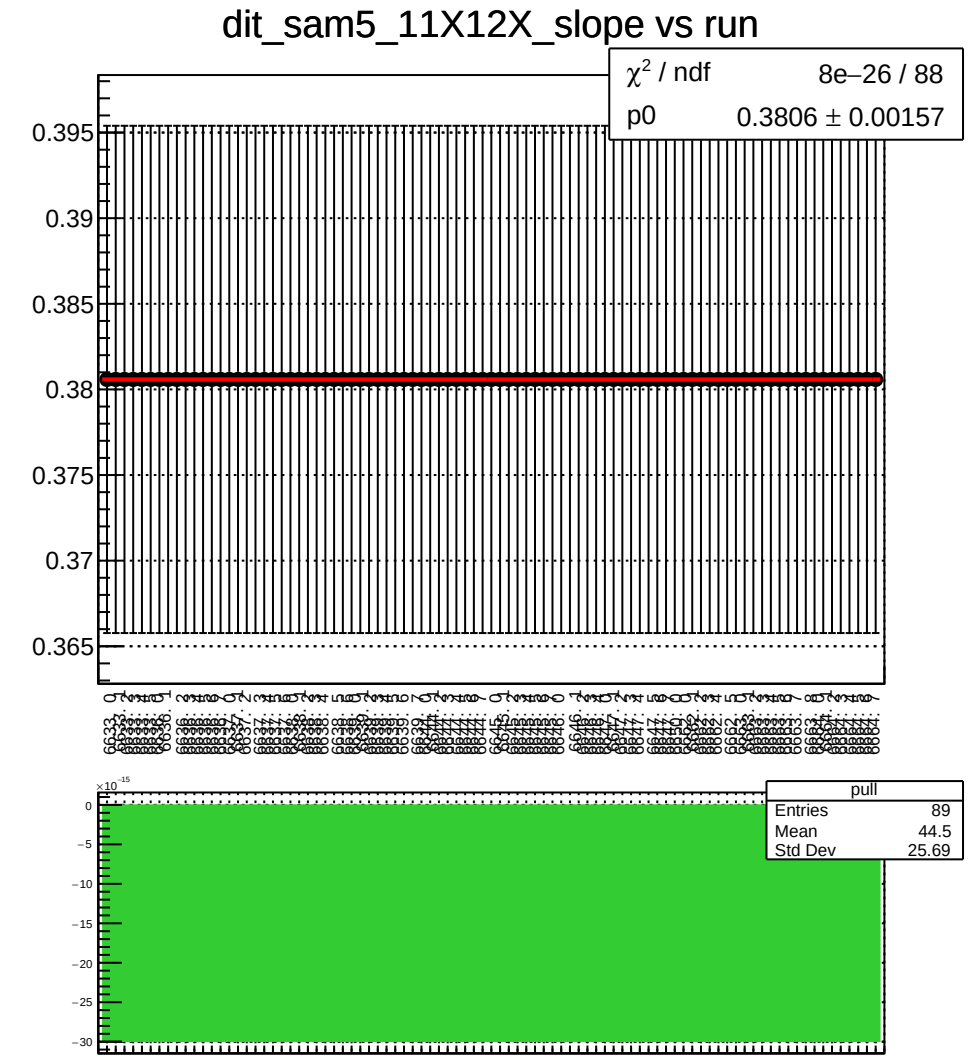

dit_sam4_4eY_slope vs run
χ² / ndf 7.764e−27 / 88
p0 246.8 ± 0.9677
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −9.34e−15
Std Dev4.966e−22

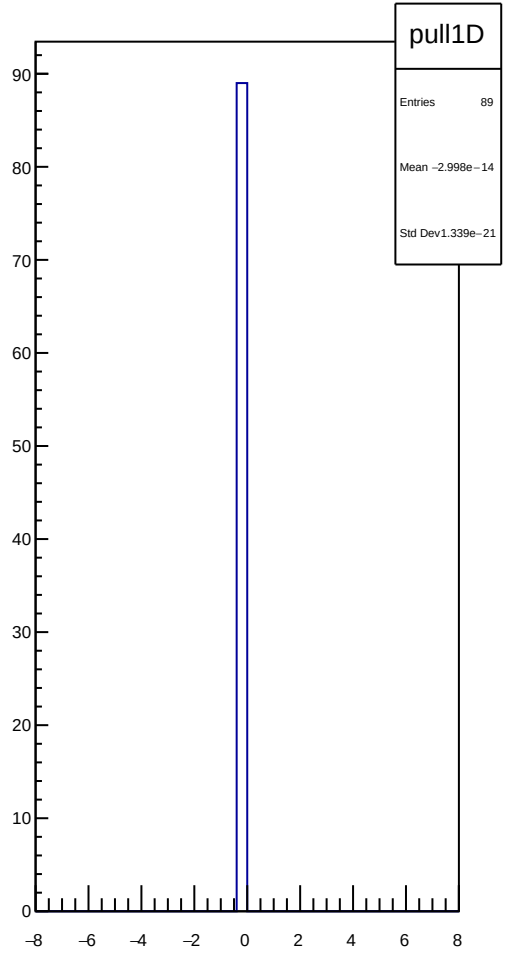

dit_sam5_4aX_slope vs run
χ² / ndf 3.689e−26 / 88
p0 5.755 ± 0.07861
pull
Entries 89
Mean 44.5
Std Dev 25.69

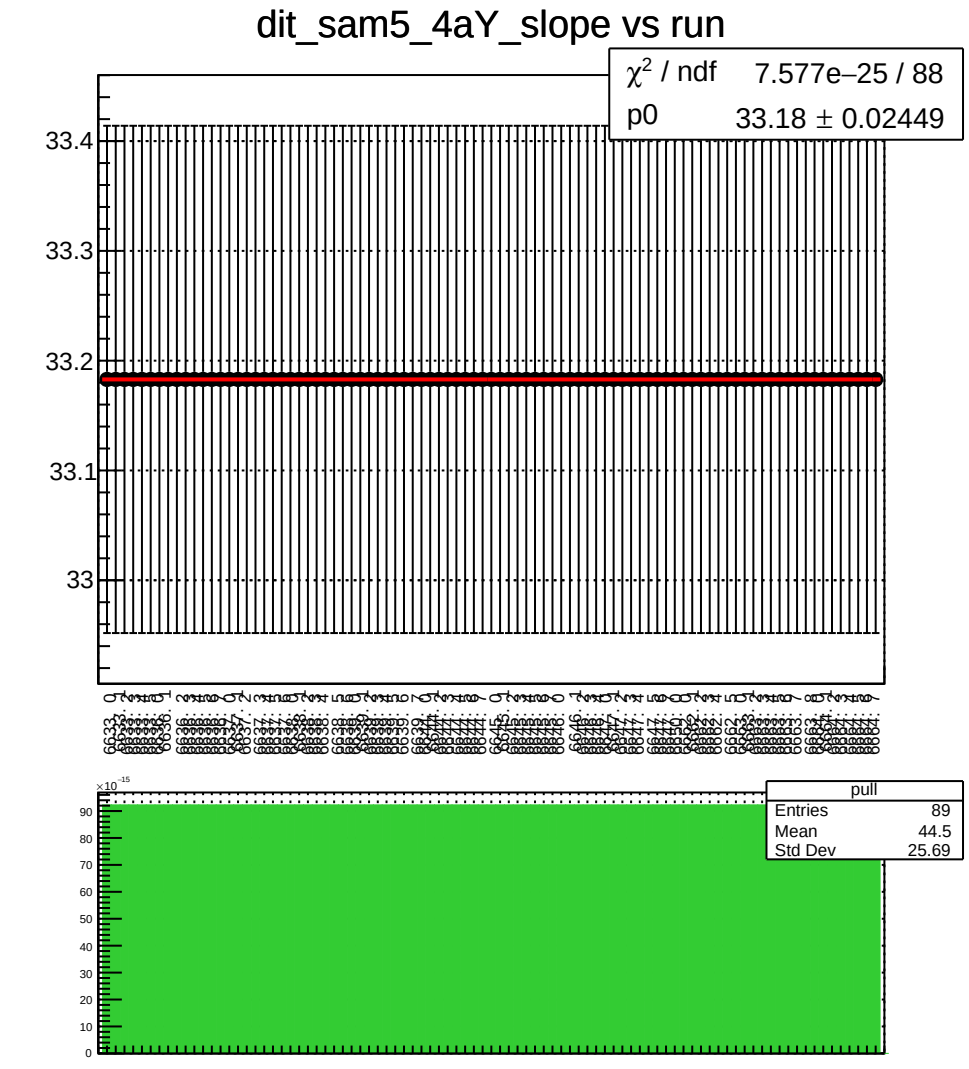

pull1D
Entries 89
Mean −2.036e−14
Std Dev1.405e−21

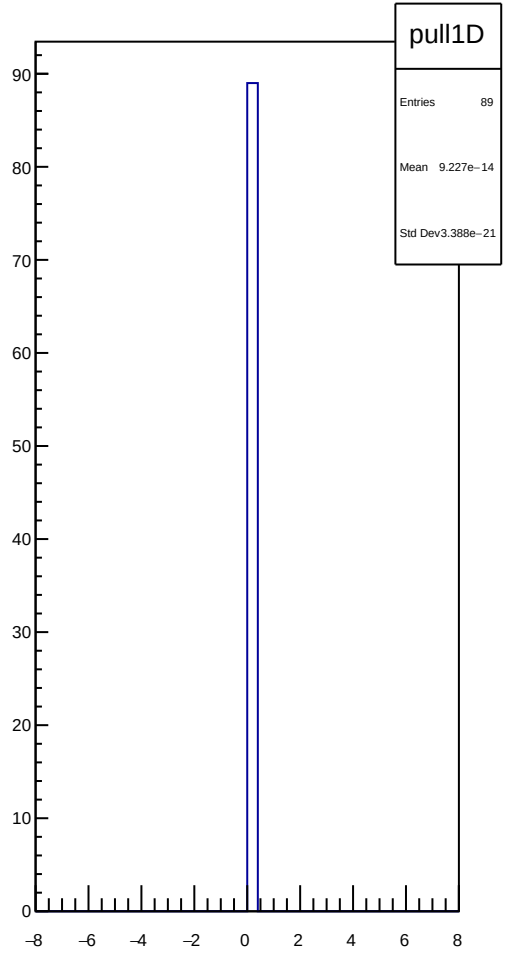

dit_sam5_4eX_slope vs run
χ² / ndf 2.342e−26 / 88
p0 −2.967 ± 0.06384
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

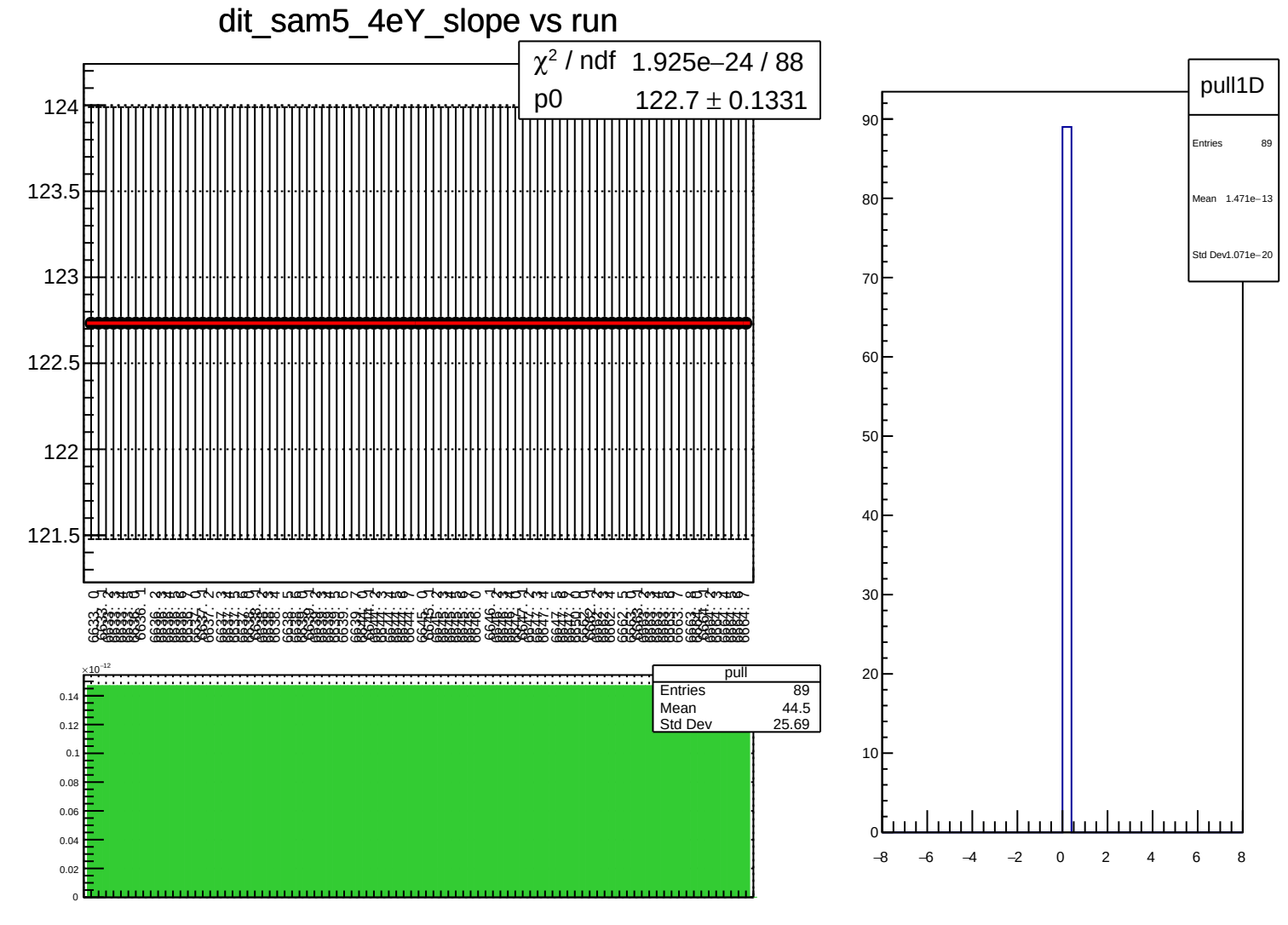

pull1D
Entries 89
Mean −1.622e−14
Std Dev 9.704e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

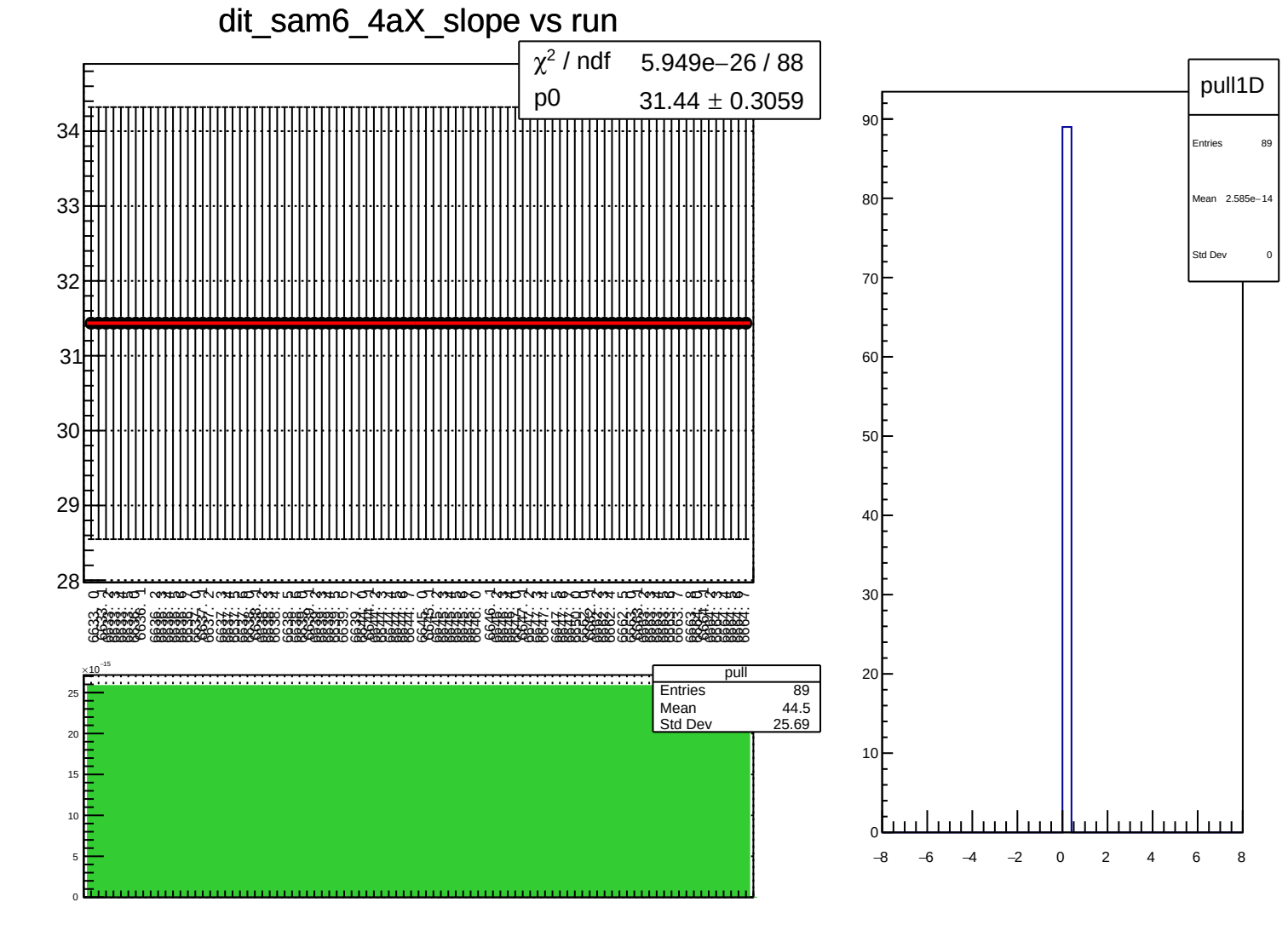

dit_sam5_11X12X_slope vs run
χ² / ndf 8e−26 / 88
p0 0.3806 ± 0.00157
0.395
0.39
0.385
0.38
0.375
0.37
0.365
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

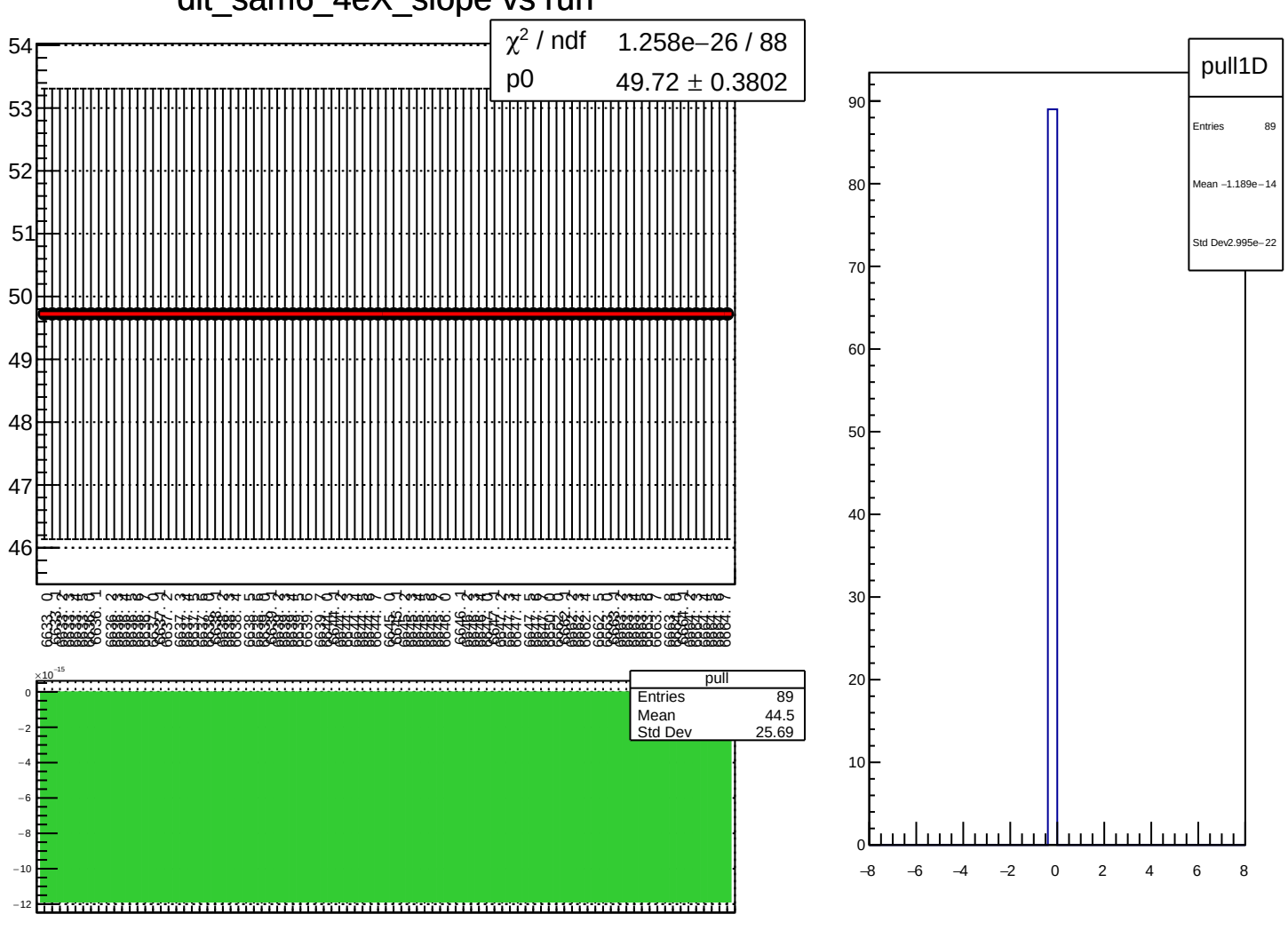

pull1D
Entries 89
Mean −2.998e−14
Std Dev1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

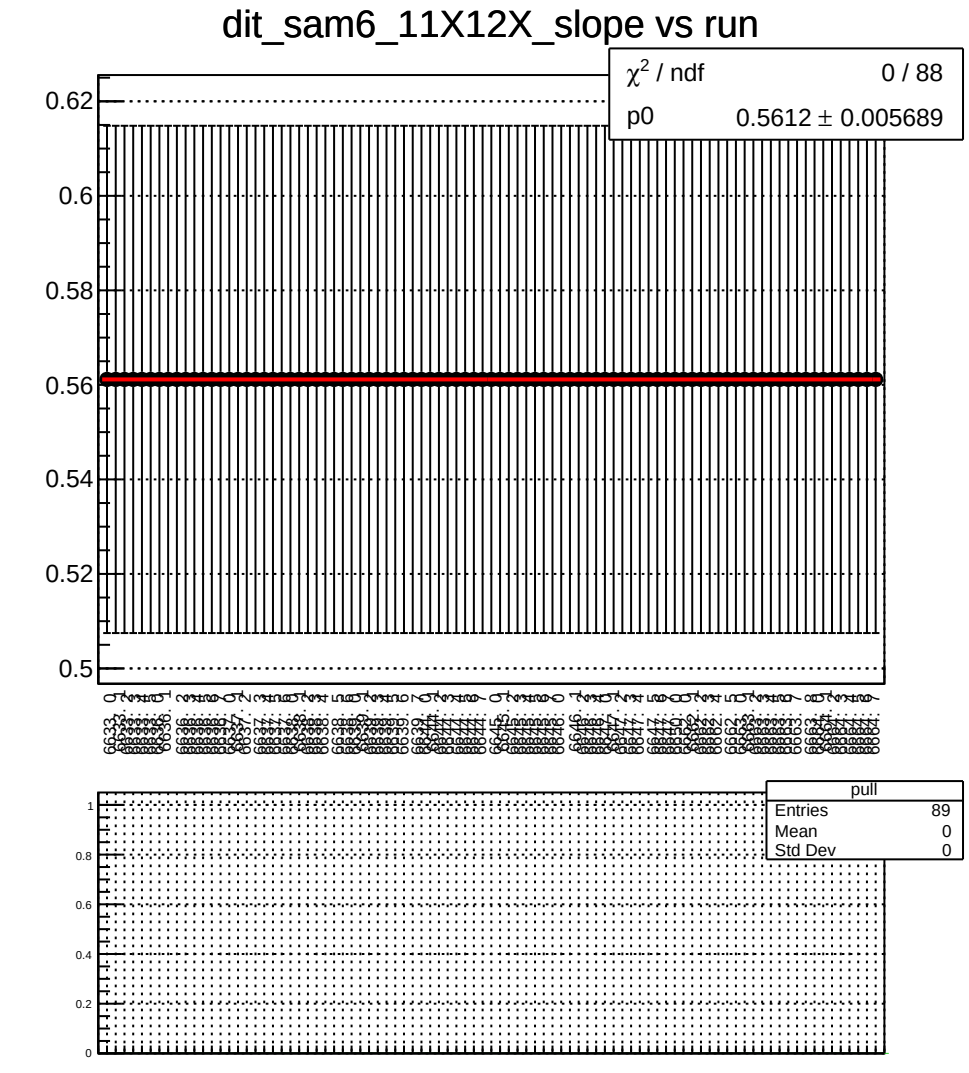

dit_sam5_4aY_slope vs run
χ² / ndf 7.577e−25 / 88
p0 33.18 ± 0.02449
33.4
33.3
33.2
33.1
33
×10⁻¹⁵
pull
Entries 89
Mean 44.5
Std Dev 25.69

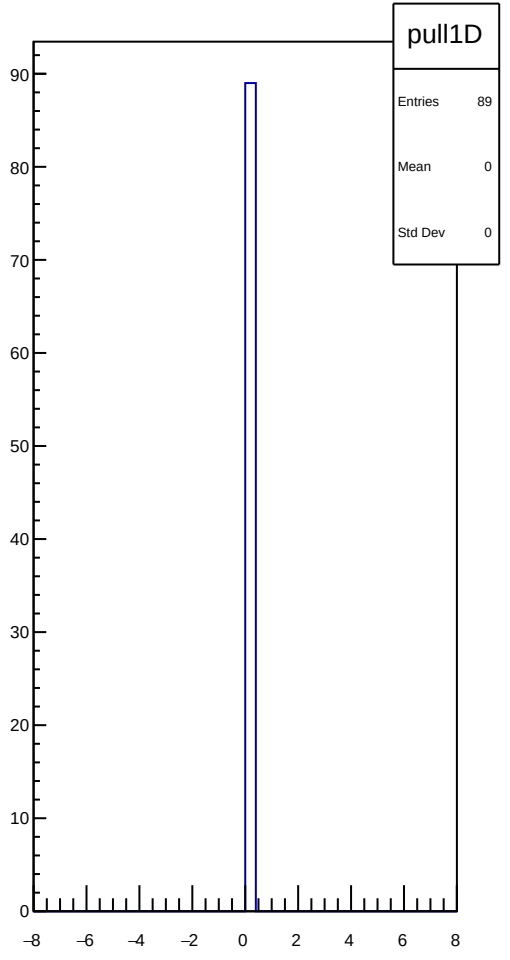

pull1D
Entries 89
Mean 9.227e−14
Std Dev3.388e−21

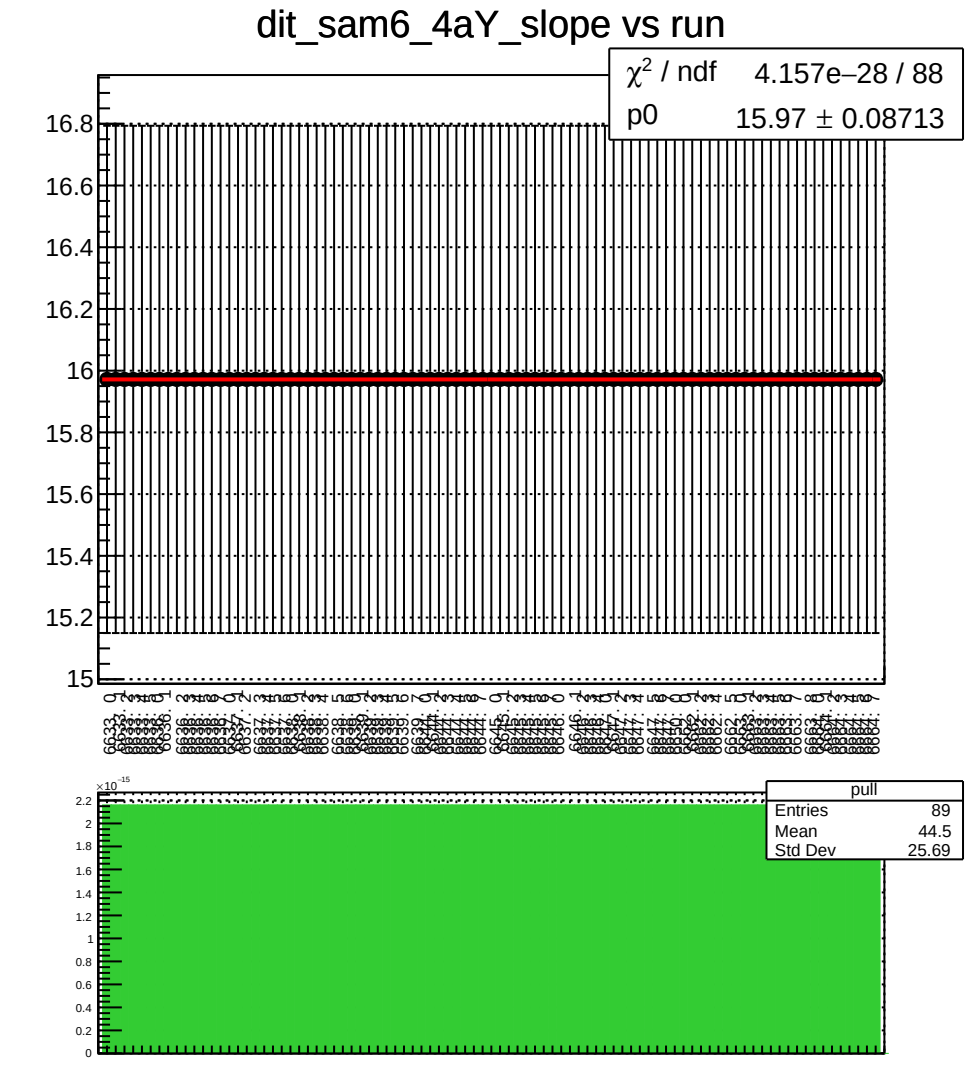

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.925e−24 / 88
p0 122.7 ± 0.1331
124
123.5
123
122.5
122
121.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.471e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

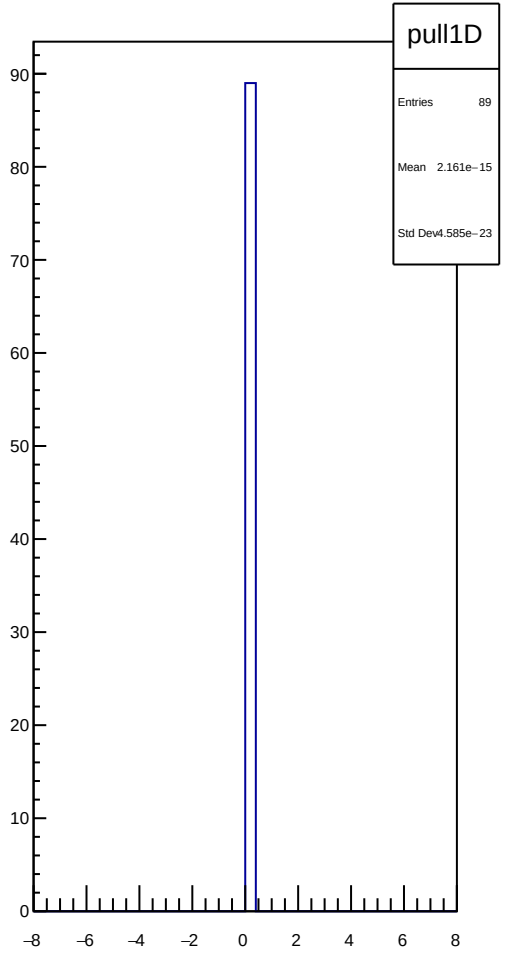

dit_sam6_4aX_slope vs run
χ² / ndf 5.949e−26 / 88
p0 31.44 ± 0.3059
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 2.585e−14
Std Dev 0

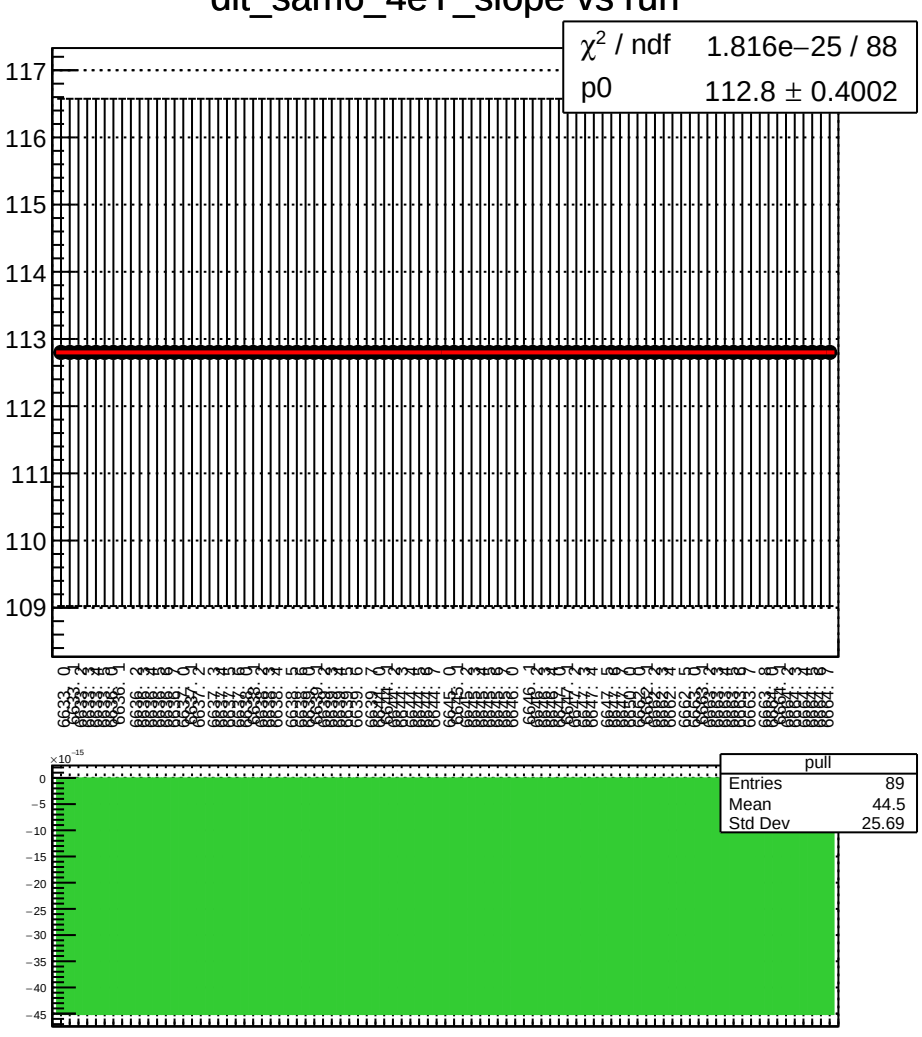

dit_sam6_4eX_slope vs run
χ² / ndf 1.258e−26 / 88
p0 49.72 ± 0.3802
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.189e−14
Std Dev 2.995e−22

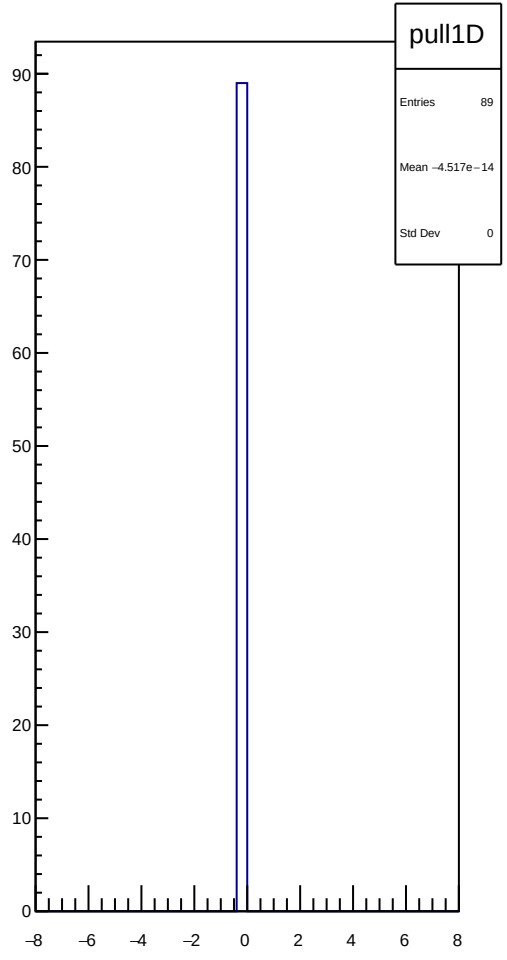

dit_sam6_11X12X_slope vs run
χ^2 / ndf 0 / 88
p0 0.5612 ± 0.005689
0.62
0.6
0.58
0.56
0.54
0.52
0.5
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

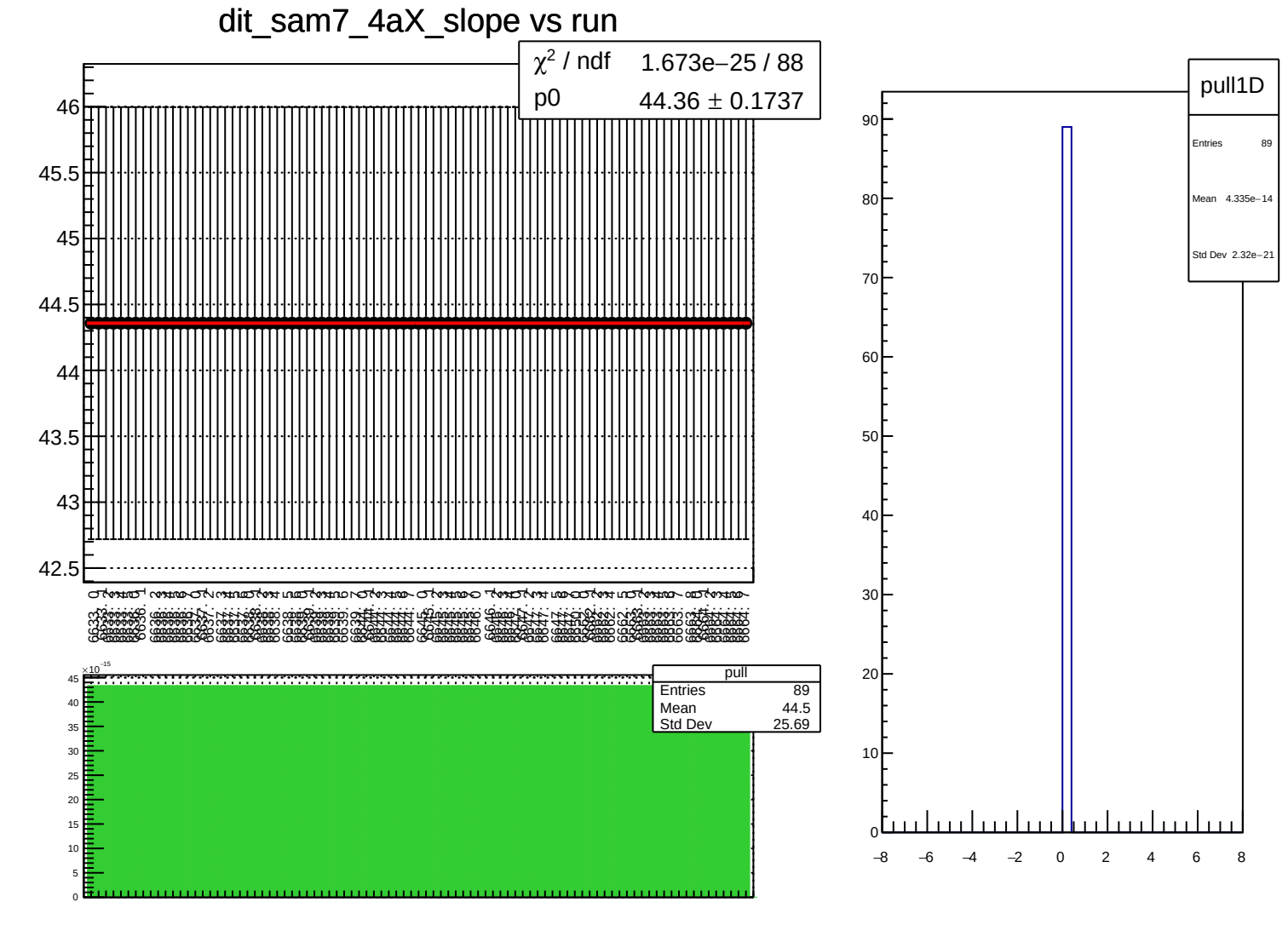

pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

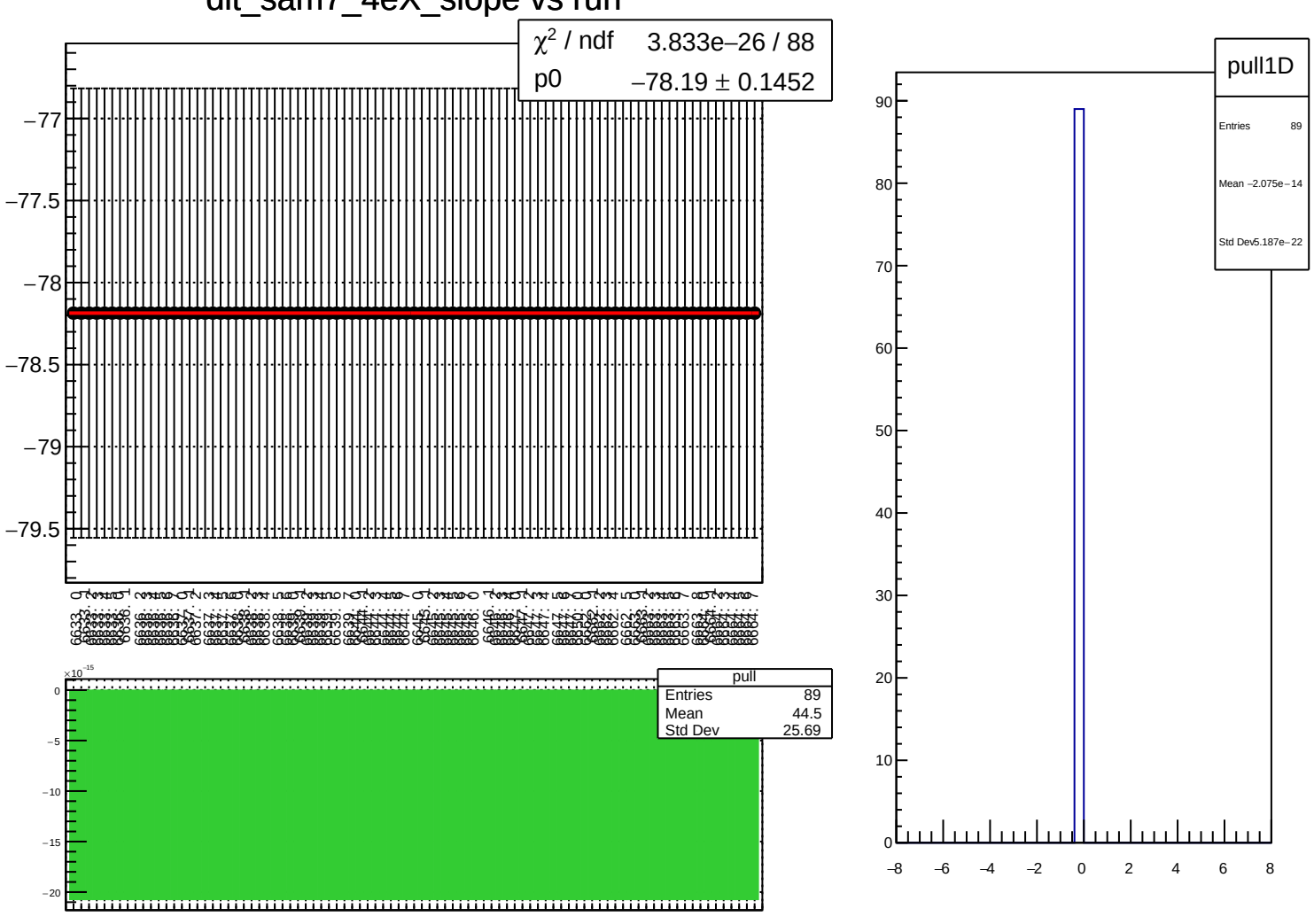

dit_sam6_4aY_slope vs run
χ² / ndf 4.157e−28 / 88
p0 15.97 ± 0.08713
pull
Entries 89
Mean 44.5
Std Dev 25.69

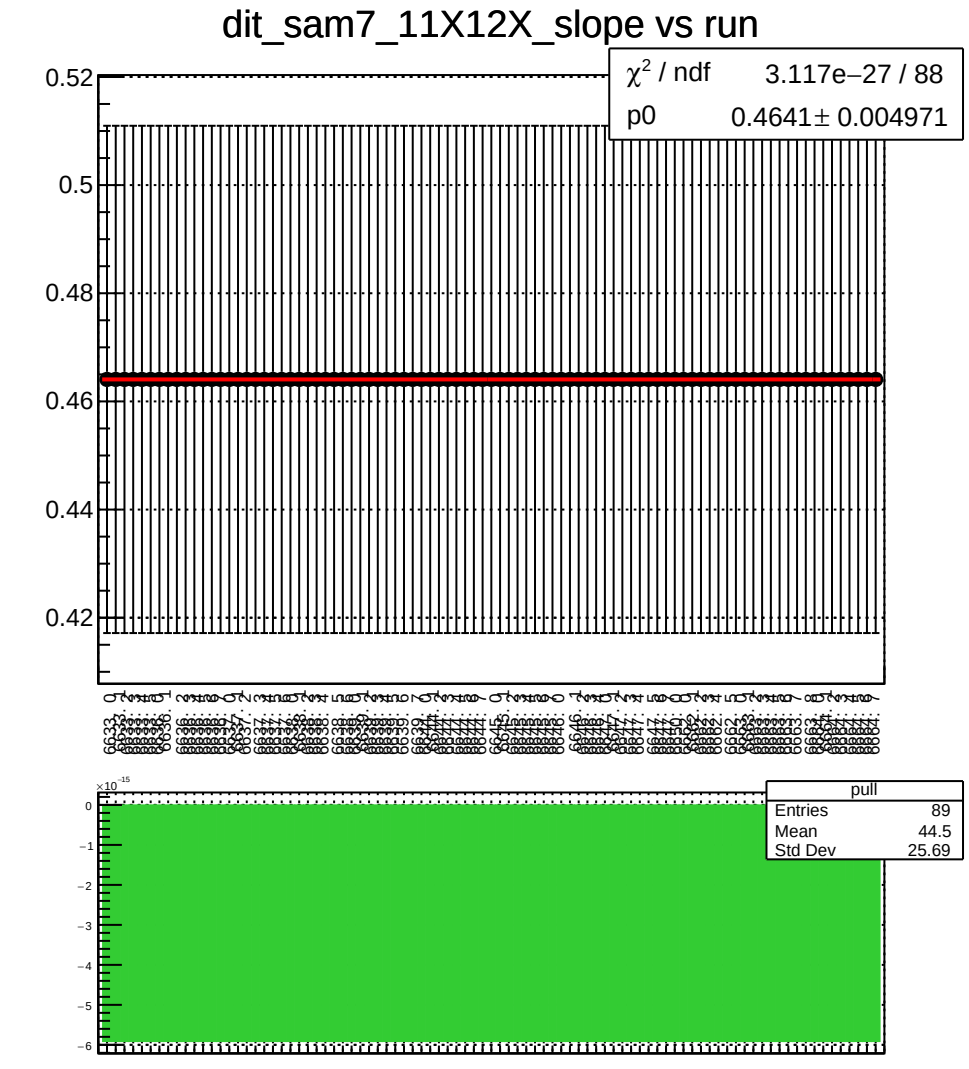

pull1D
Entries 89
Mean 2.161e−15
Std Dev 4.585e−23

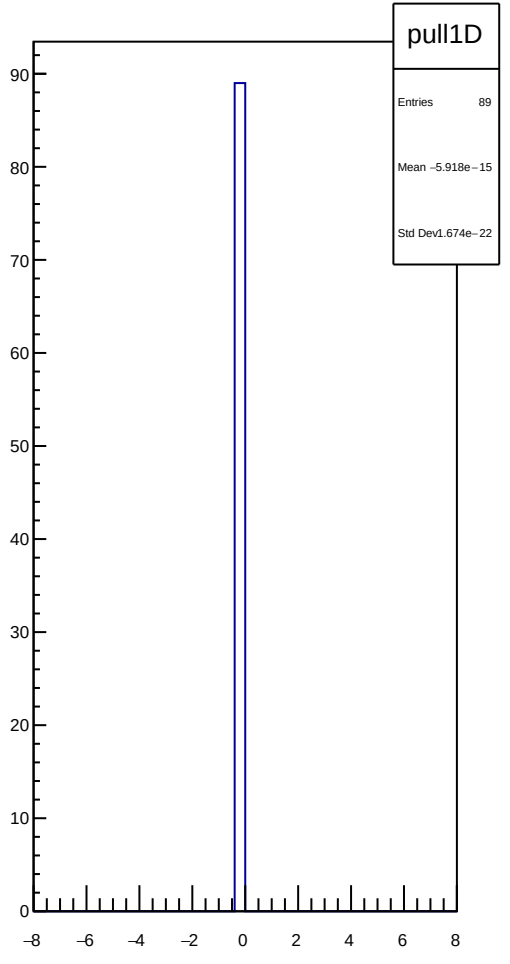

dit_sam6_4eY_slope vs run
χ² / ndf 1.816e−25 / 88
p0 112.8 ± 0.4002
117
116
115
114
113
112
111
110
109
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull
Entries 89
Mean 44.5
Std Dev 25.69

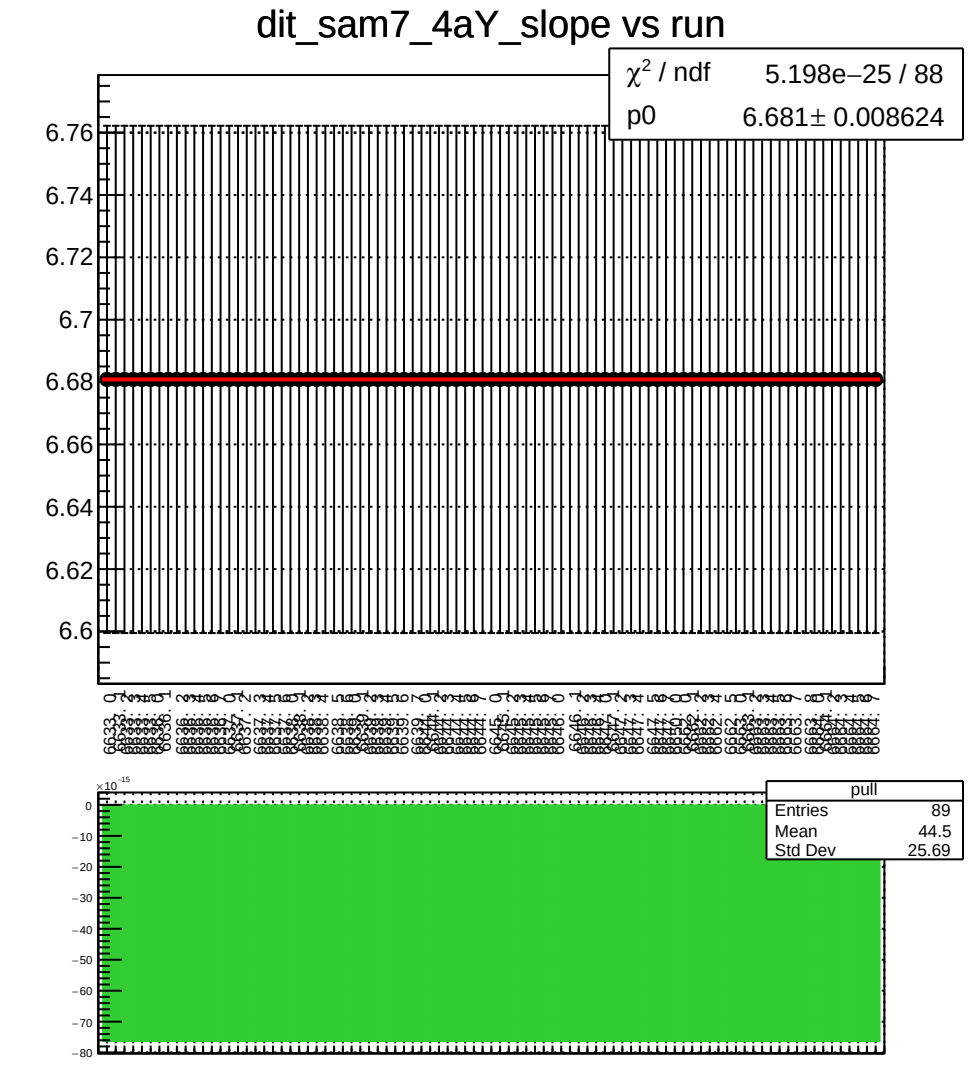

pull1D
Entries 89
Mean −4.517e−14
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

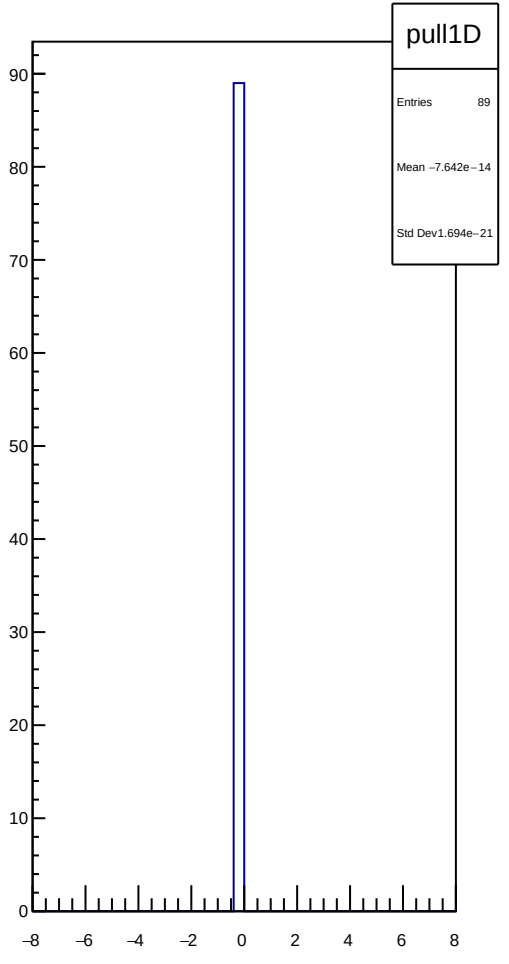

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.673e−25 / 88
p0 44.36 ± 0.1737
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 4.335e−14
Std Dev 2.32e−21

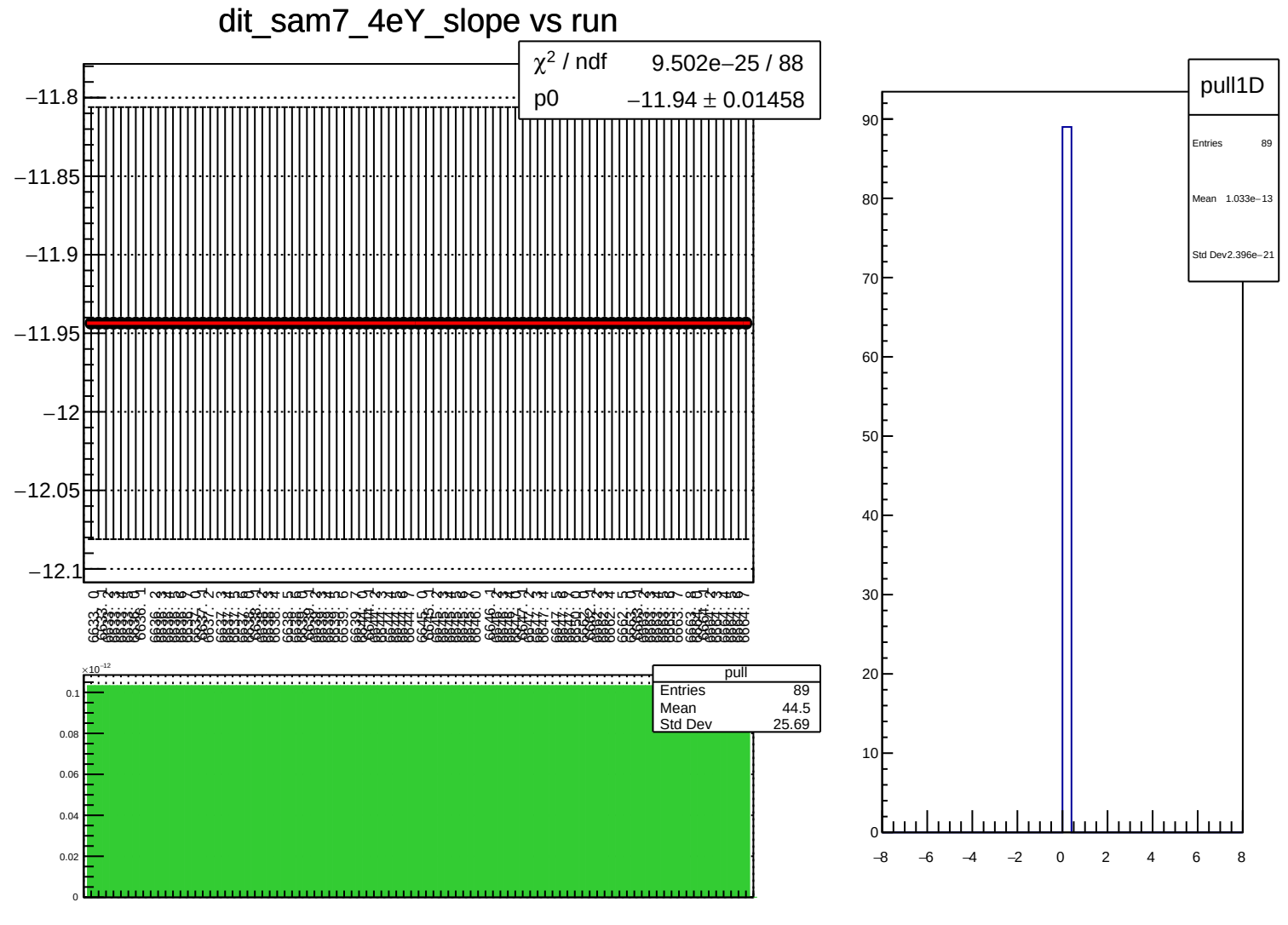

dit_sam7_4eX_slope vs run
χ² / ndf 3.833e−26 / 88
p0 −78.19 ± 0.1452
−77
−77.5
−78
−78.5
−79
−79.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 89
Mean −2.075e−14
Std Dev 5.187e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

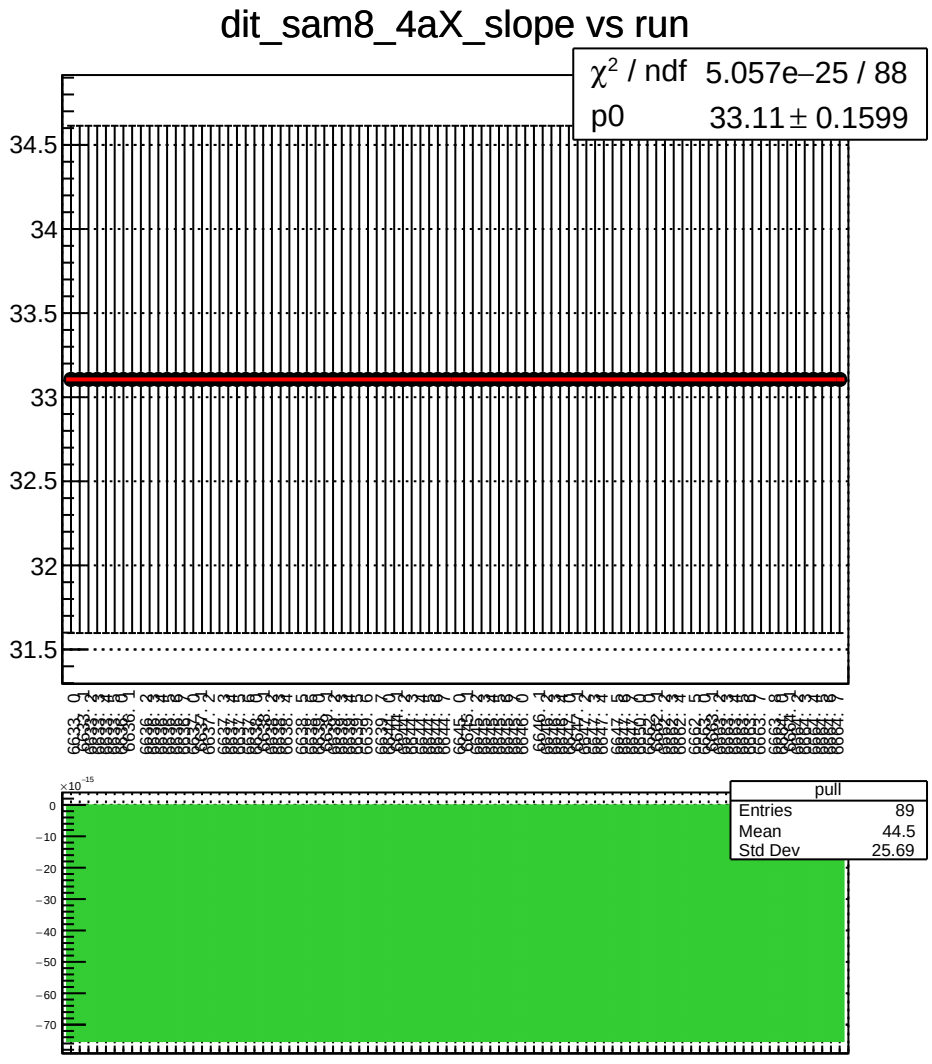

dit_sam7_11X12X_slope vs run
χ² / ndf 3.117e−27 / 88
p0 0.4641± 0.004971
0.52
0.5
0.48
0.46
0.44
0.42
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

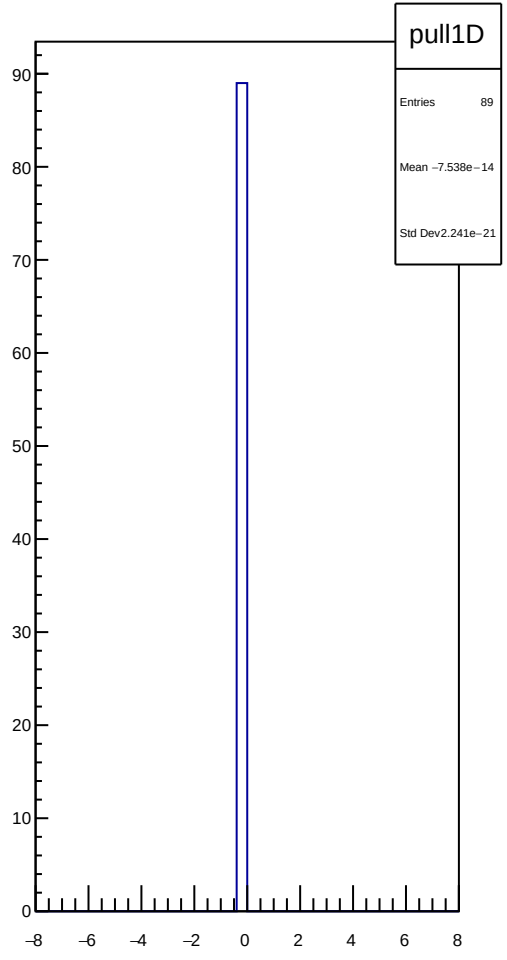

pull1D
Entries 89
Mean −5.918e−15
Std Dev1.674e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

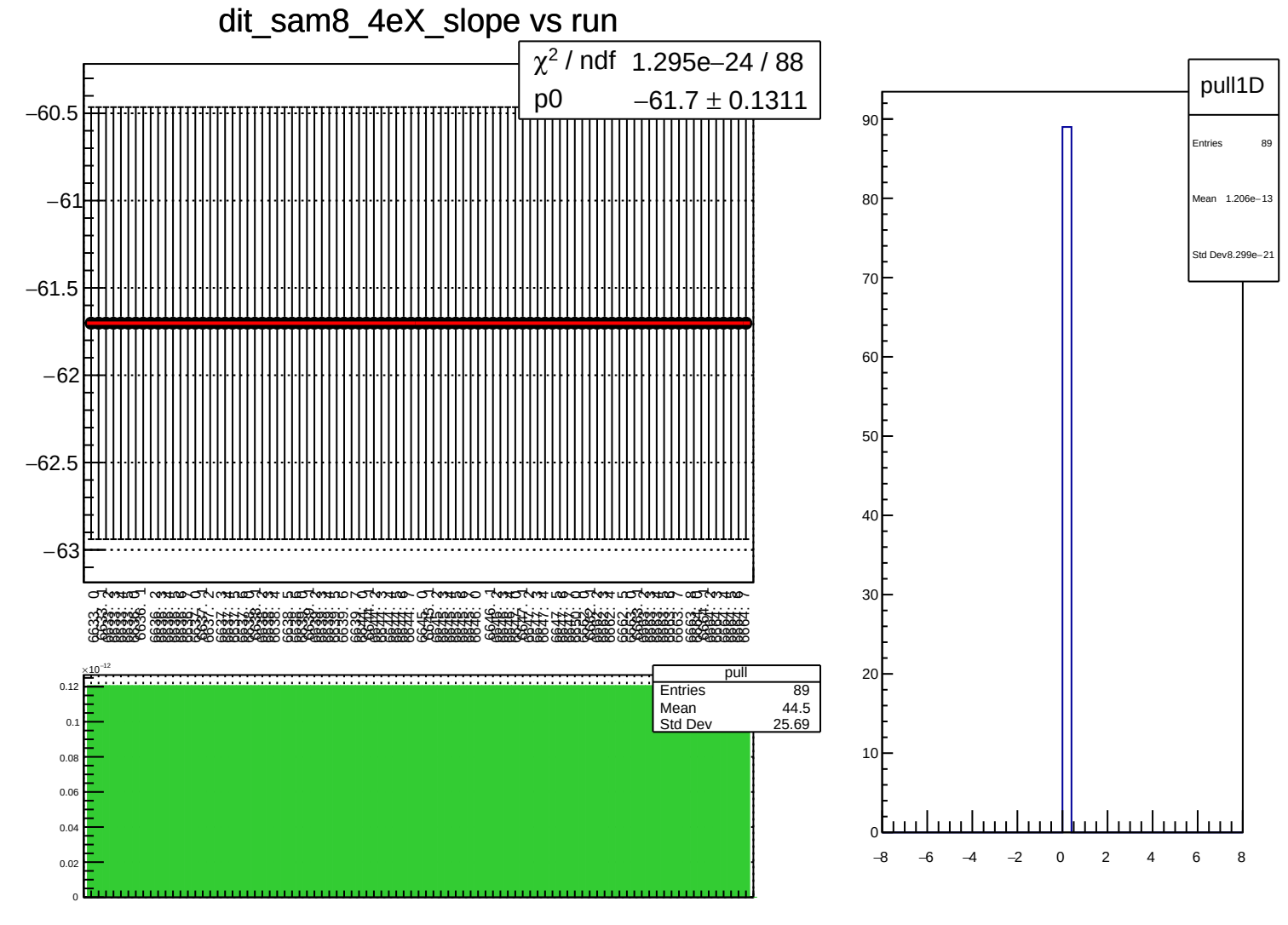

dit_sam7_4aY_slope vs run
χ² / ndf 5.198e−25 / 88
p0 6.681± 0.008624
6.76
6.74
6.72
6.7
6.68
6.66
6.64
6.62
6.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

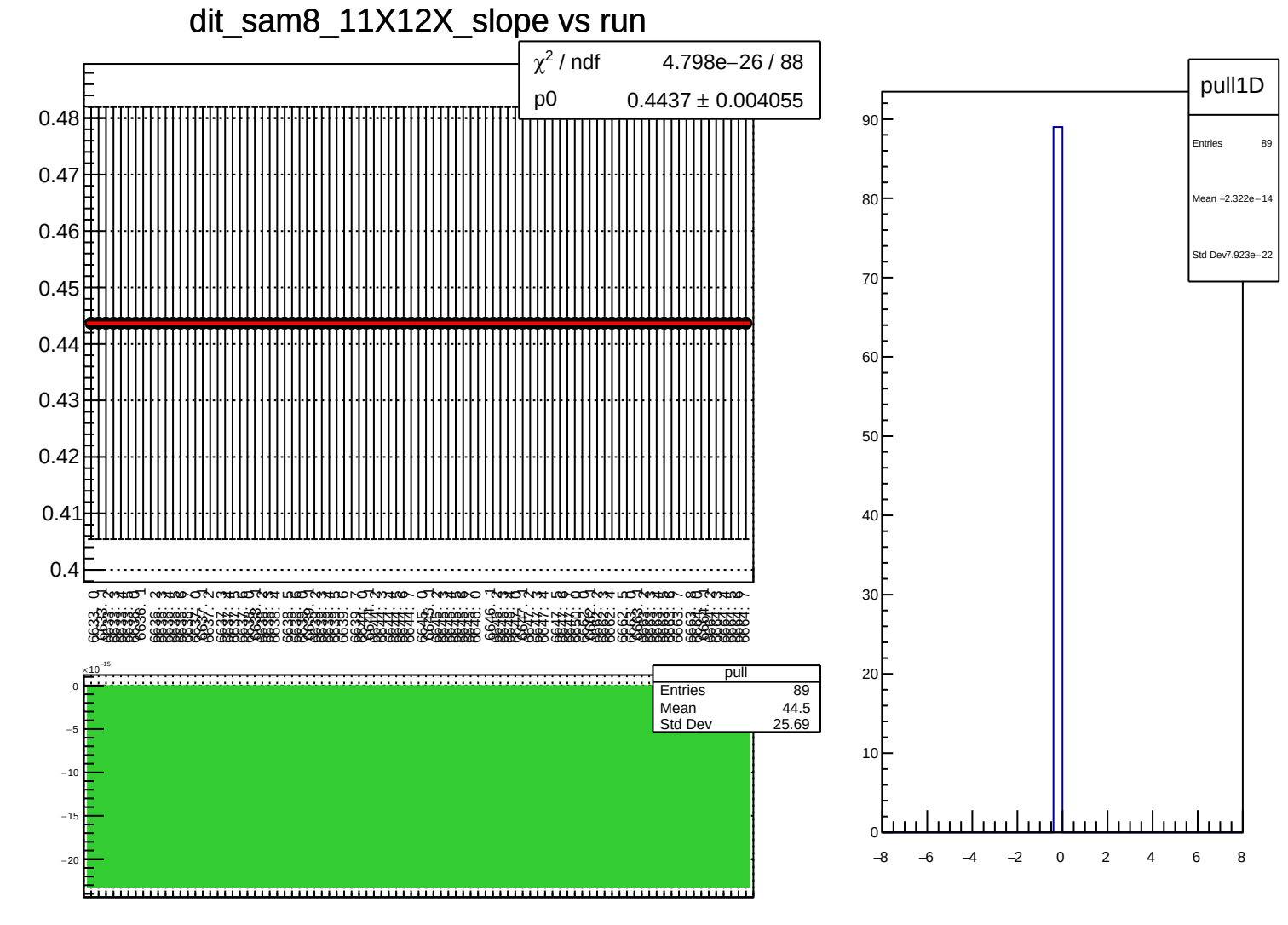

pull1D
Entries 89
Mean −7.642e−14
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

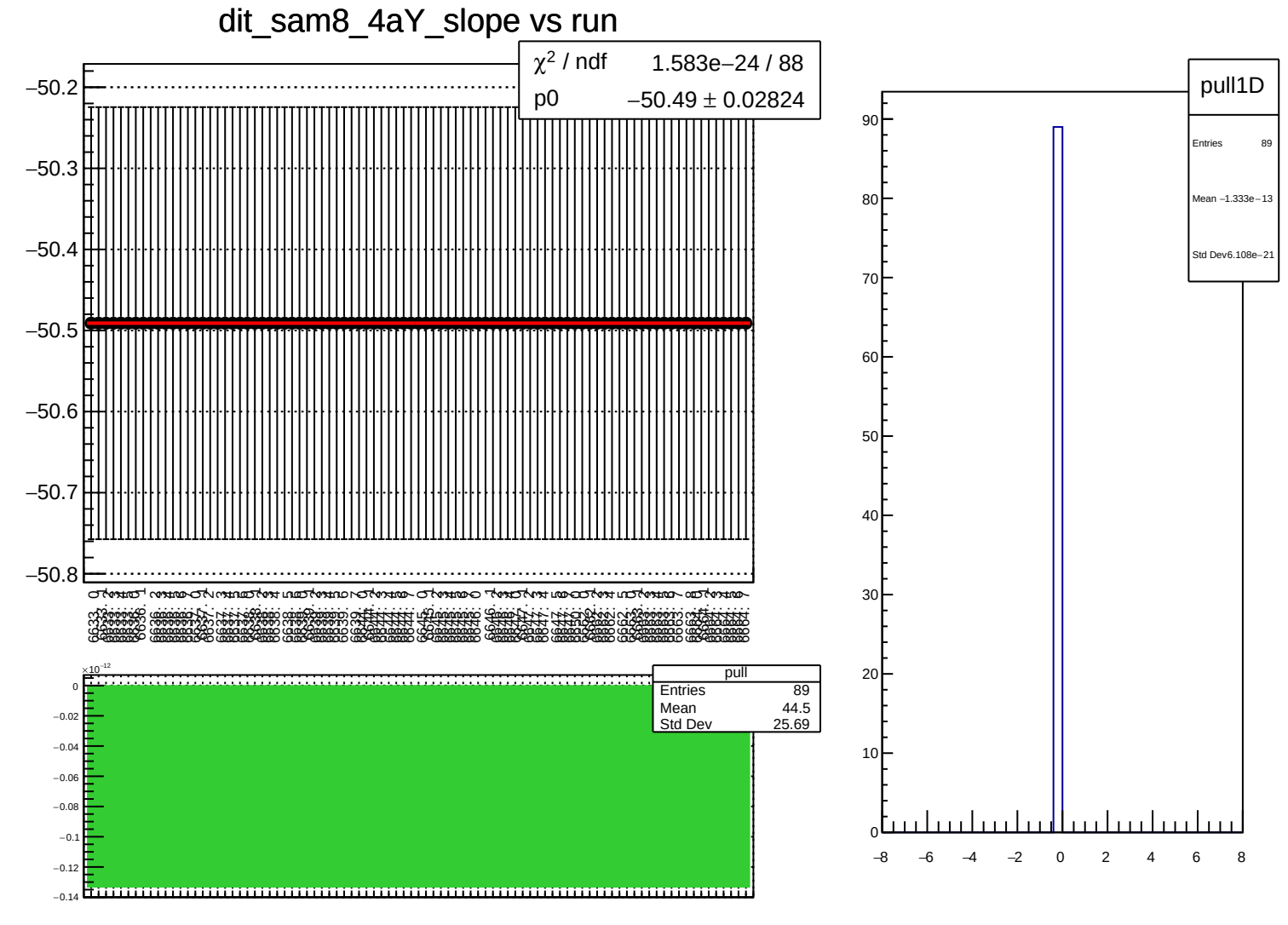

dit_sam7_4eY_slope vs run
χ² / ndf 9.502e−25 / 88
p0 −11.94 ± 0.01458
−11.8
−11.85
−11.9
−11.95
−12
−12.05
−12.1
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.033e−13
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

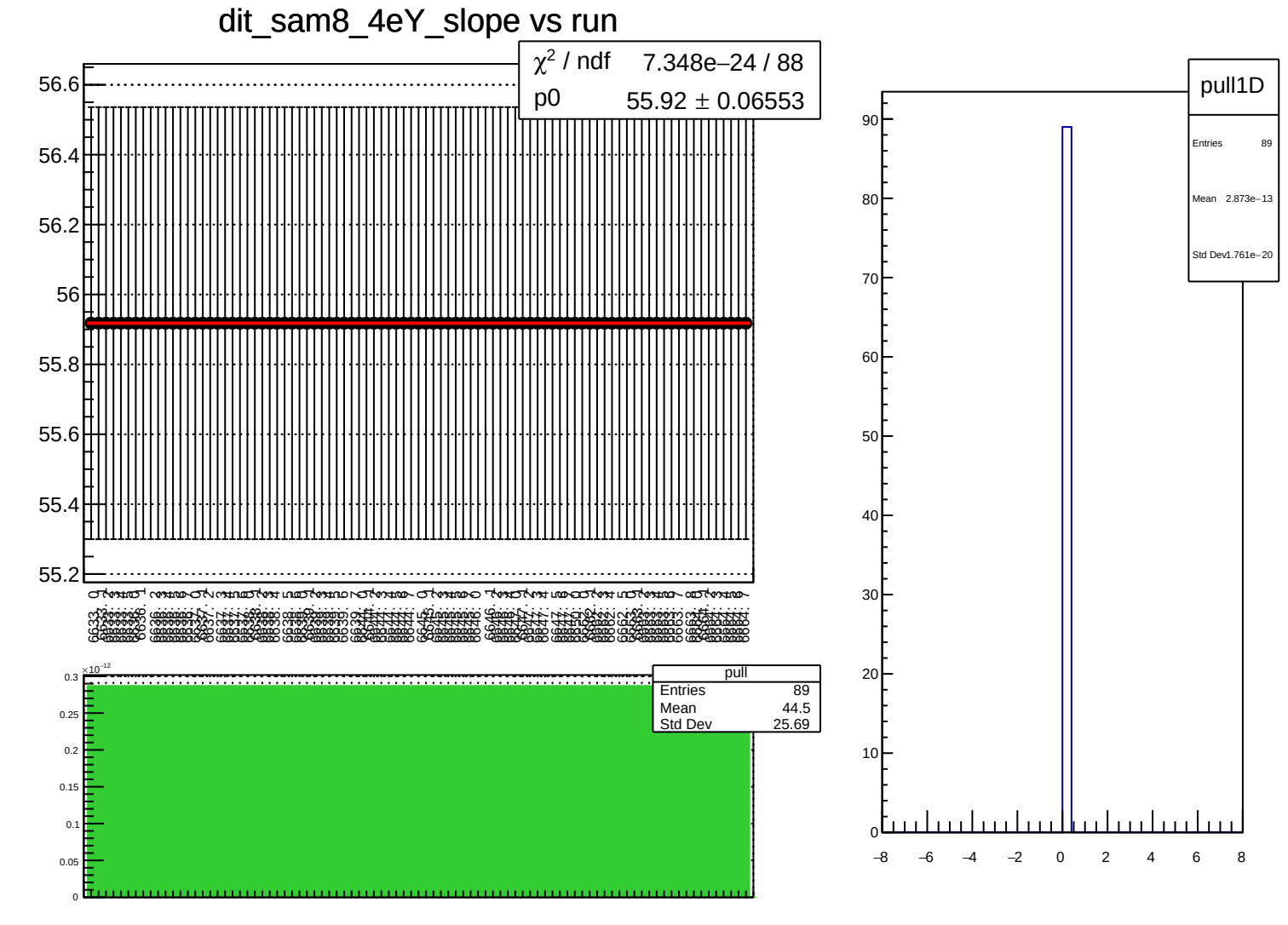

dit_sam8_4aX_slope vs run
χ² / ndf 5.057e−25 / 88
p0 33.11 ± 0.1599
34.5
34
33.5
33
32.5
32
31.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

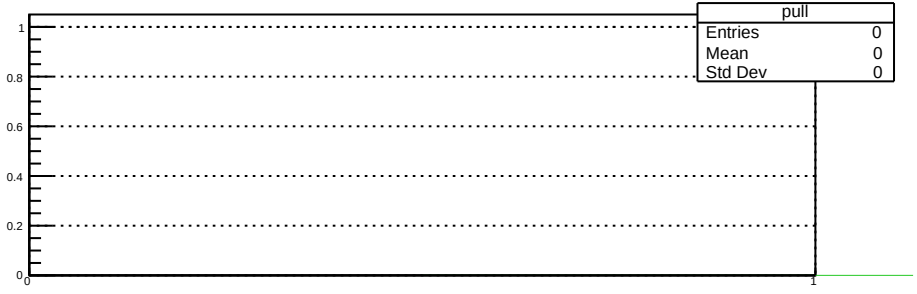

pull1D
Entries 89
Mean −7.538e−14
Std Dev2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

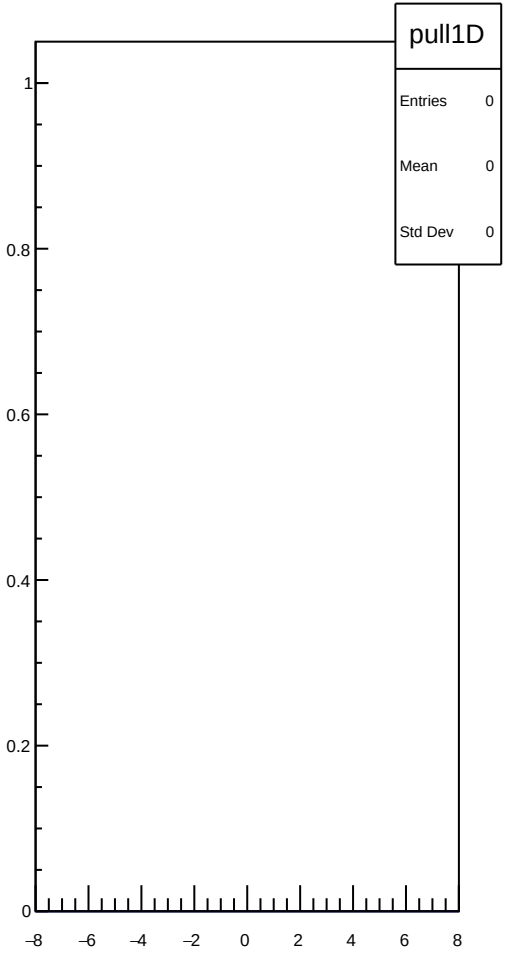

dit_sam8_4eX_slope vs run
χ^2 / ndf 1.295e−24 / 88
p0 −61.7 ± 0.1311
−60.5
−61
−61.5
−62
−62.5
−63
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.206e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

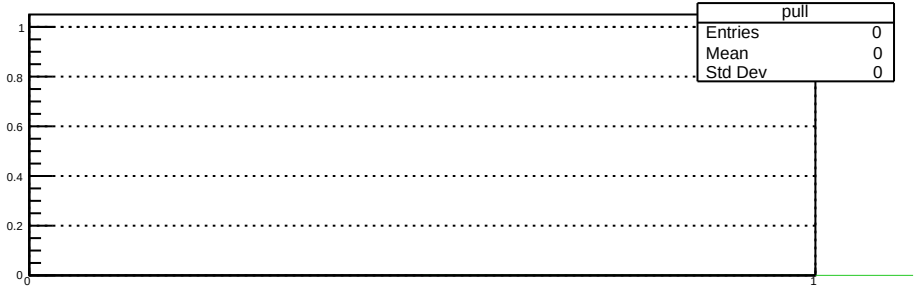

dit_sam8_11X12X_slope vs run
χ² / ndf 4.798e−26 / 88
p0 0.4437 ± 0.004055
0.48
0.47
0.46
0.45
0.44
0.43
0.42
0.41
0.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 89
Mean −2.322e−14
Std Dev7.923e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

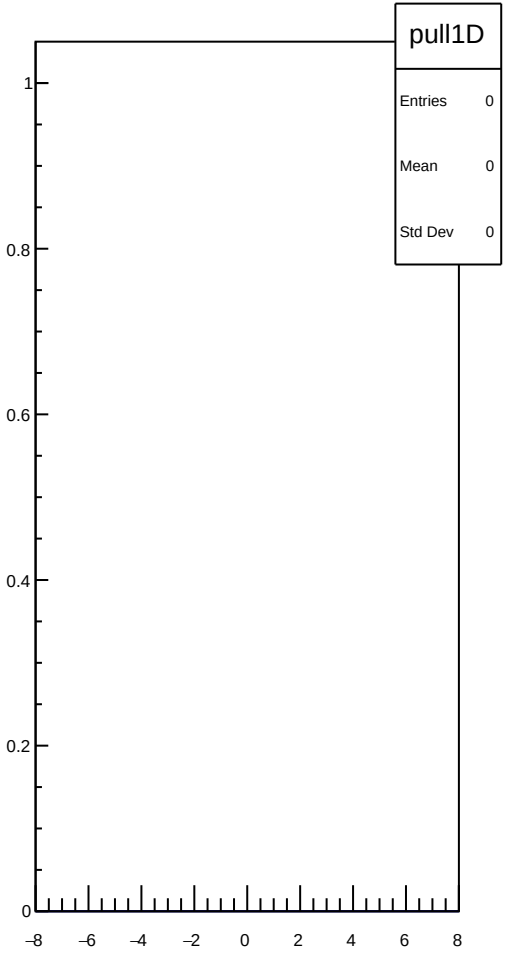

dit_sam8_4aY_slope vs run
χ² / ndf 1.583e−24 / 88
p0 −50.49 ± 0.02824
−50.2
−50.3
−50.4
−50.5
−50.6
−50.7
−50.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 89
Mean −1.333e−13
Std Dev6.108e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

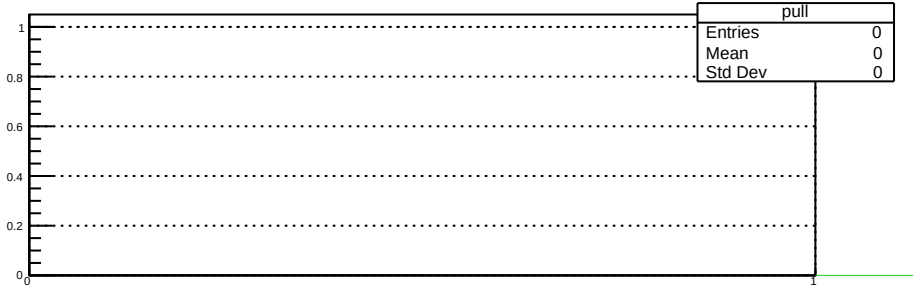

dit_sam8_4eY_slope vs run
χ² / ndf 7.348e−24 / 88
p0 55.92 ± 0.06553
56.6
56.4
56.2
56
55.8
55.6
55.4
55.2
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 2.873e−13
Std Dev1.761e−20
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80
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60
50
40
30
20
10
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−4
−2
0
2
4
6
8

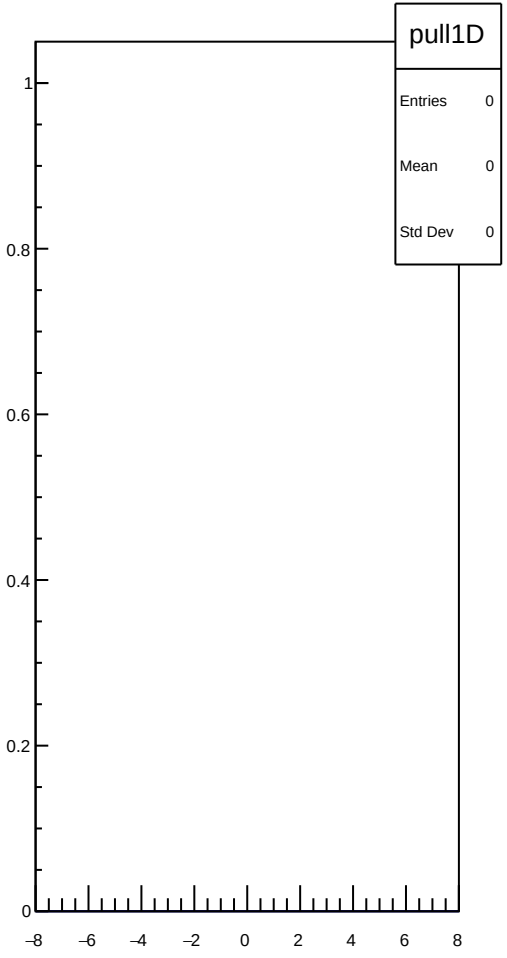

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

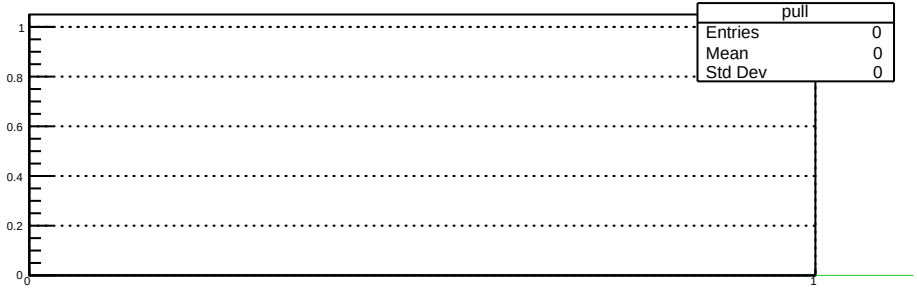

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

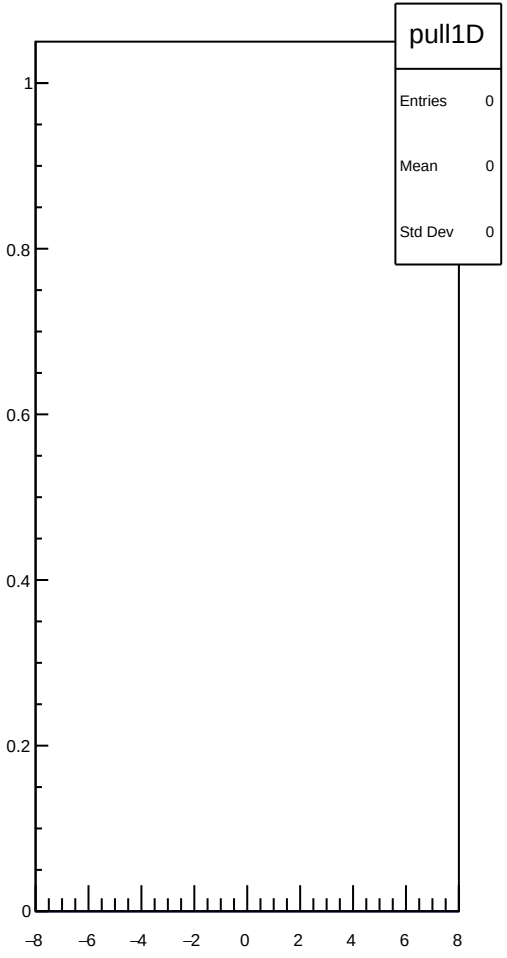

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

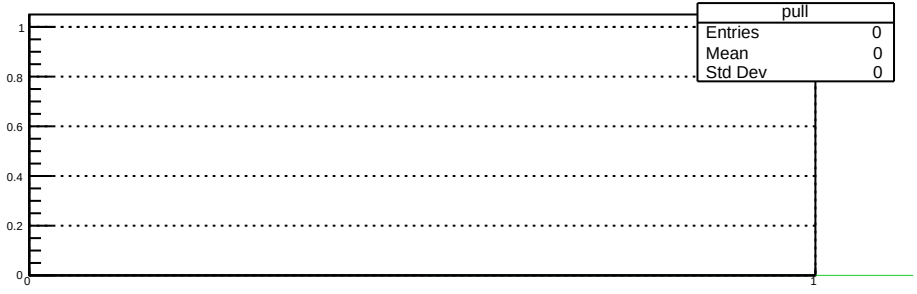

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
–4
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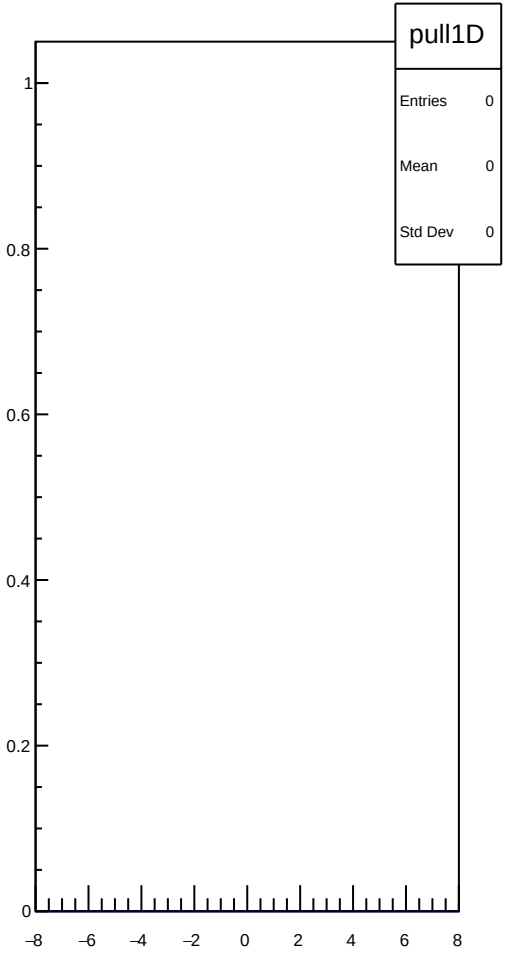

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
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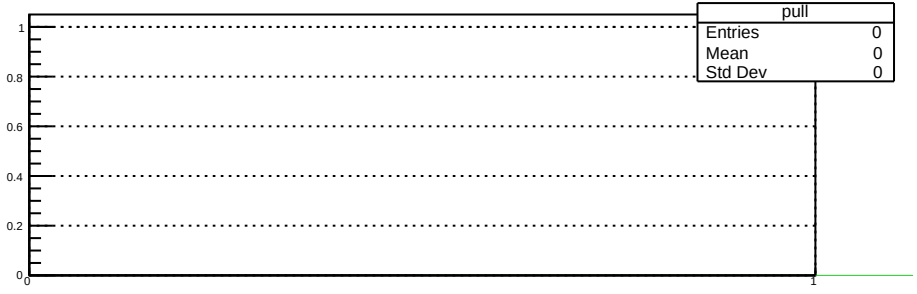

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
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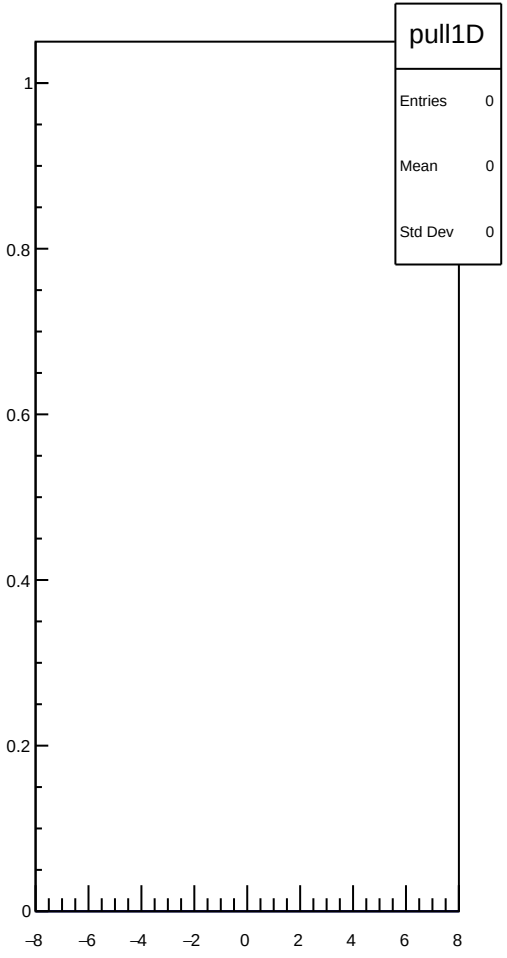

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
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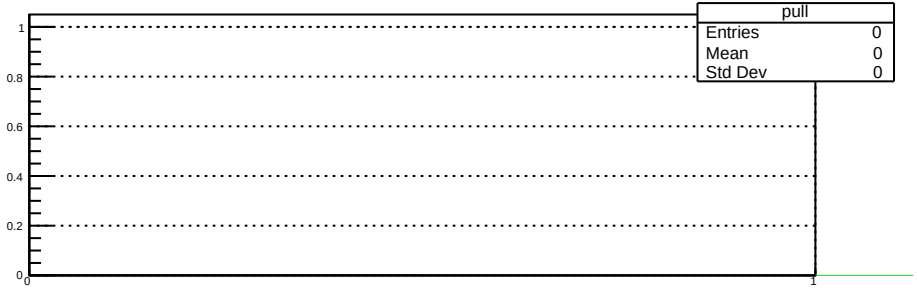

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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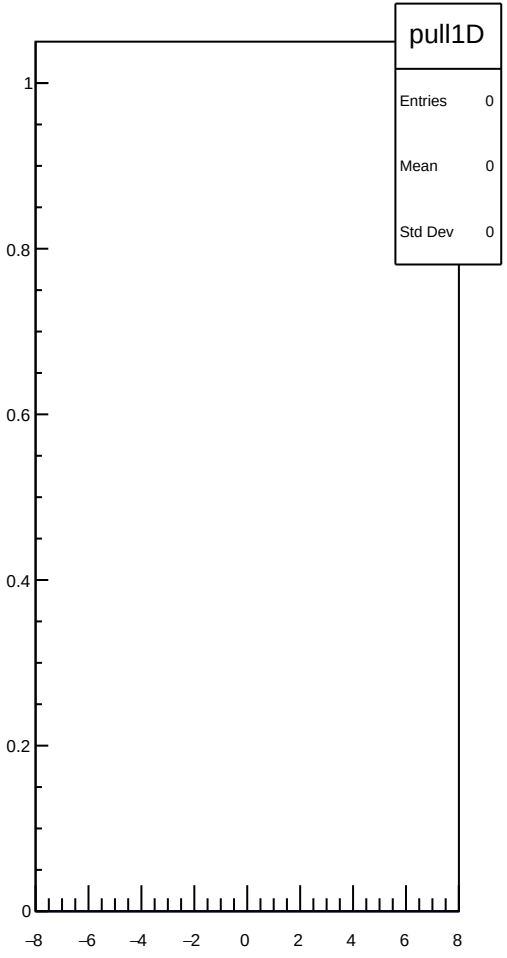

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
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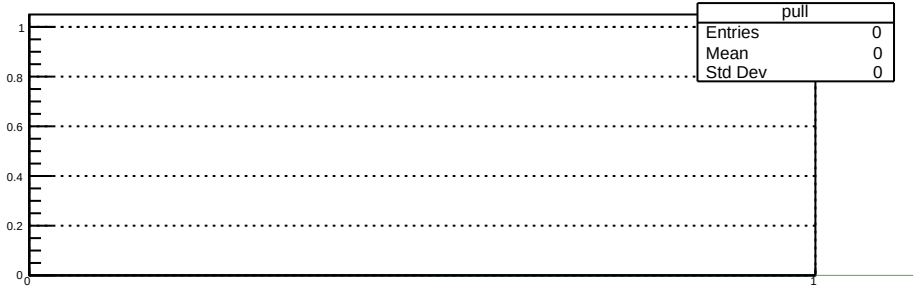

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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–6
–4
–2
0
2
4
6
8

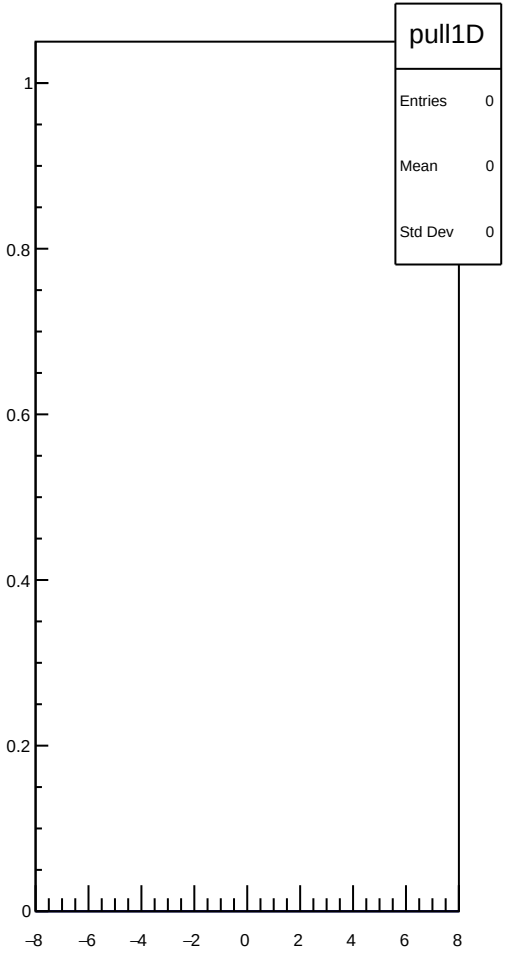

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
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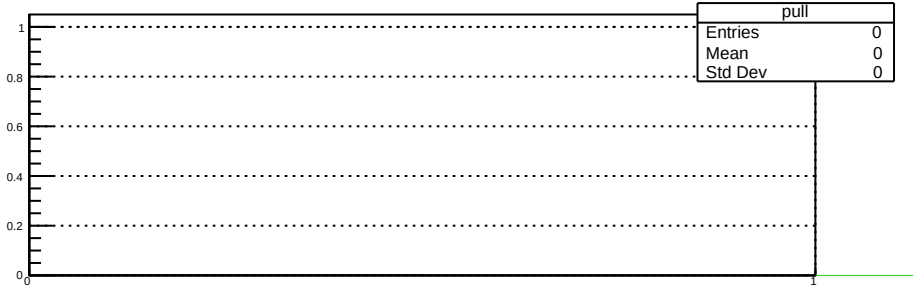

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
–4
–2
0
2
4
6
8

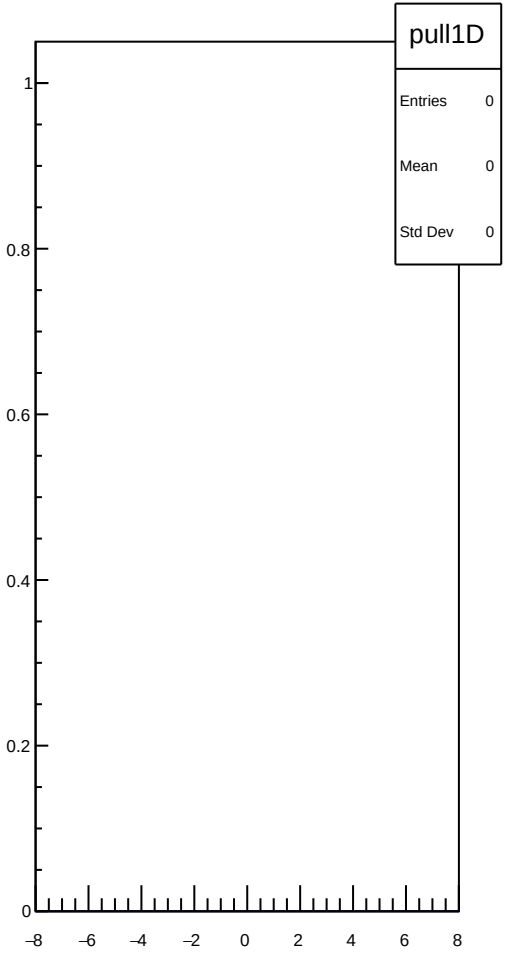

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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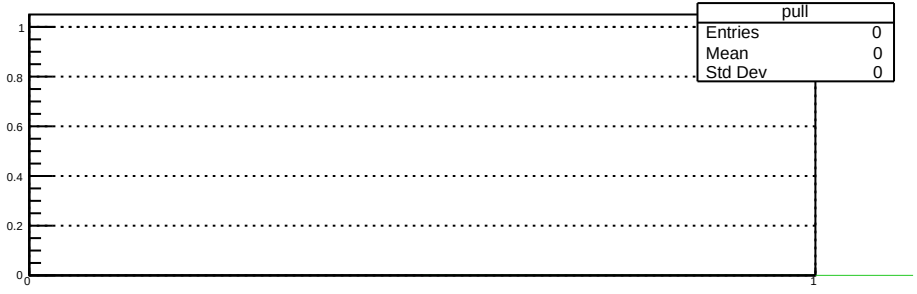

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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6
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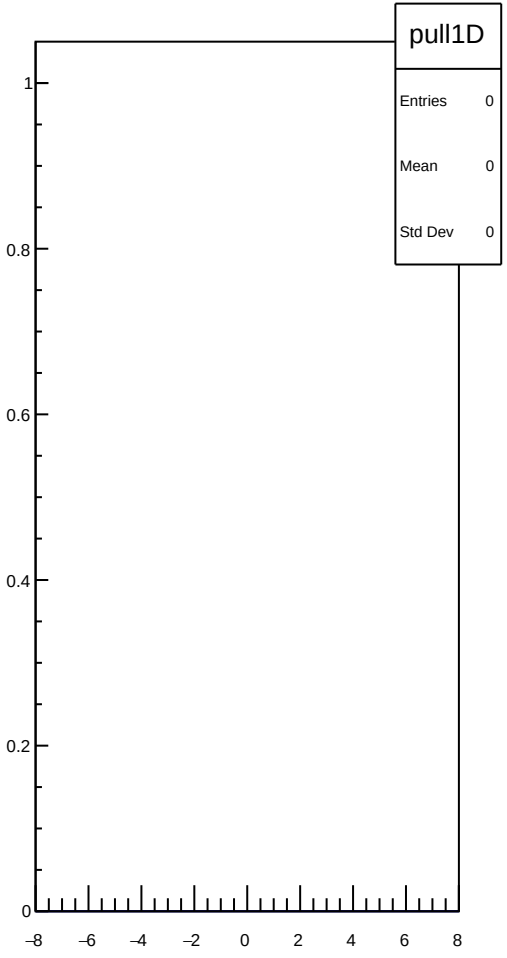

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

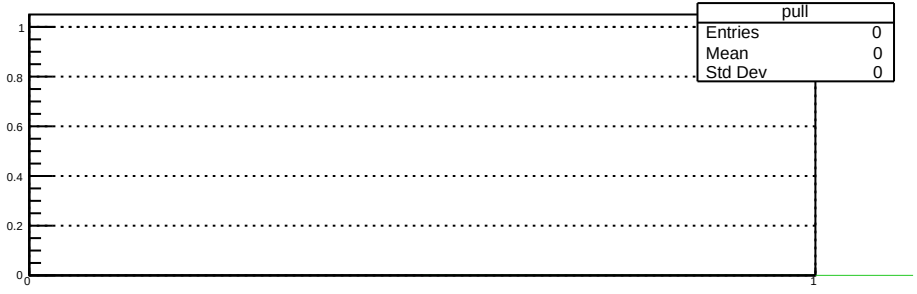

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
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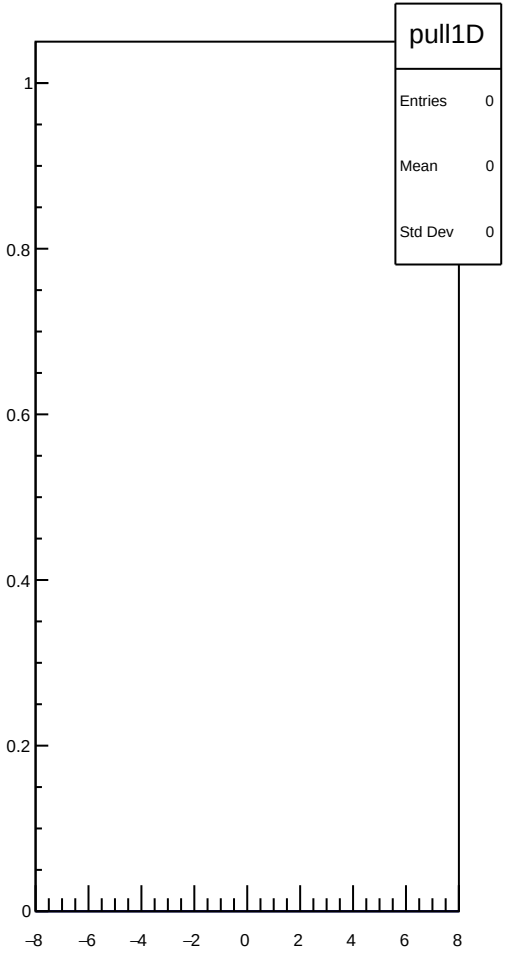

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
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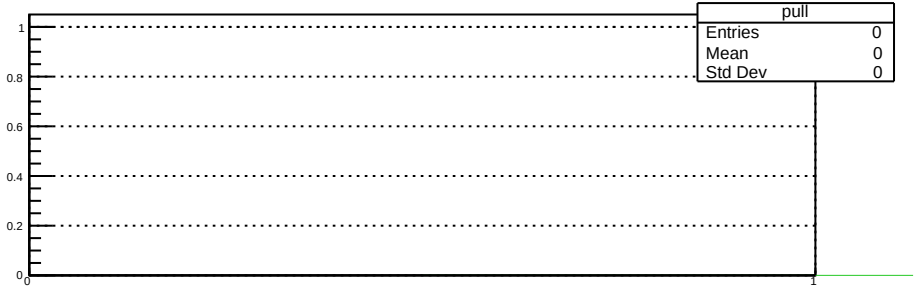

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
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4
6
8

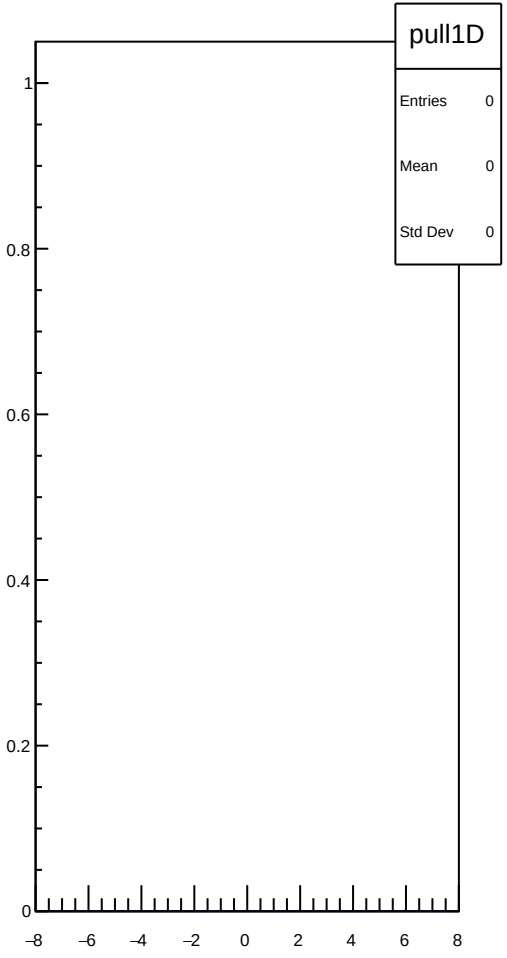

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

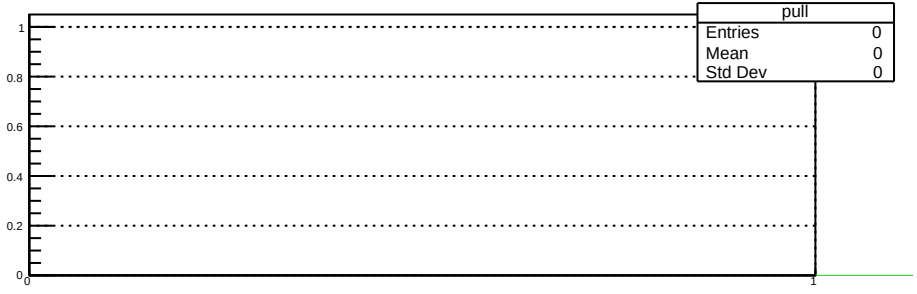

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
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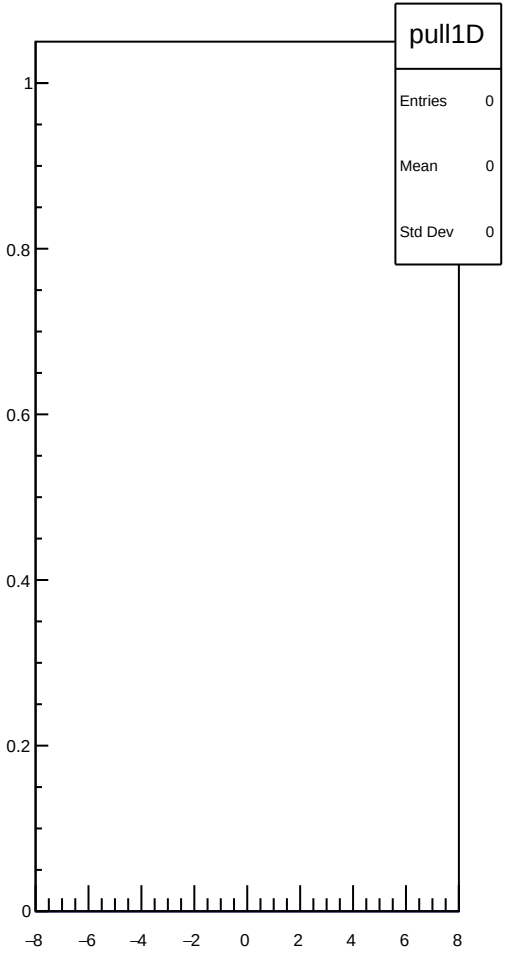

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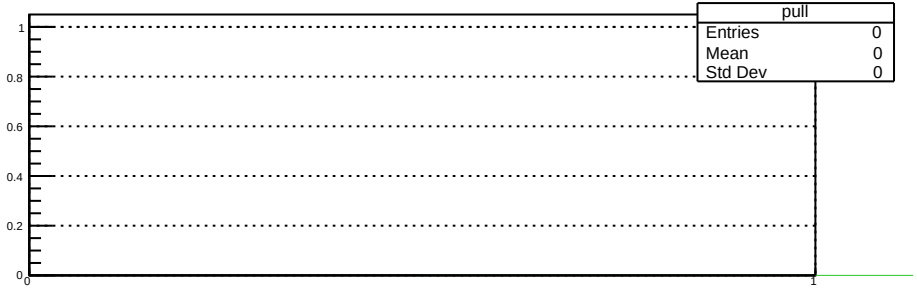

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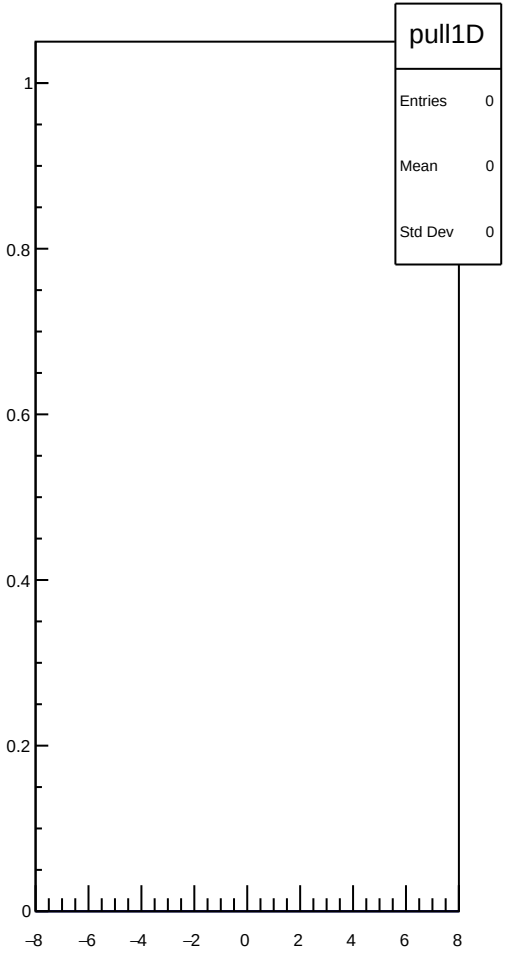

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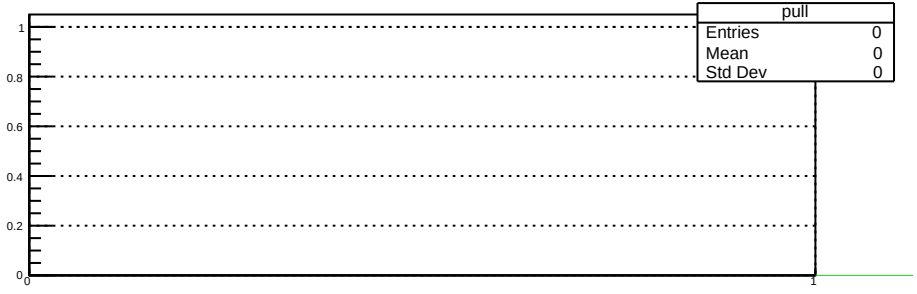

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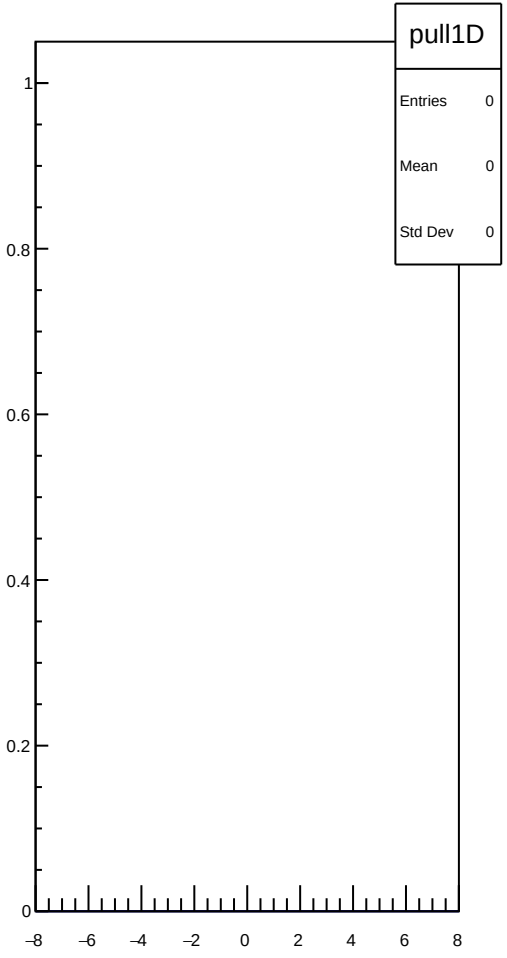

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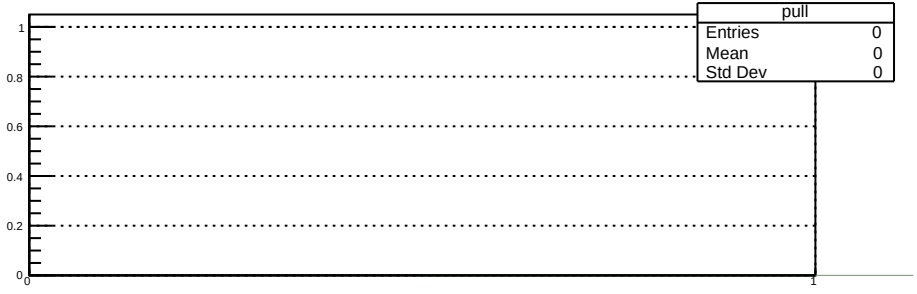

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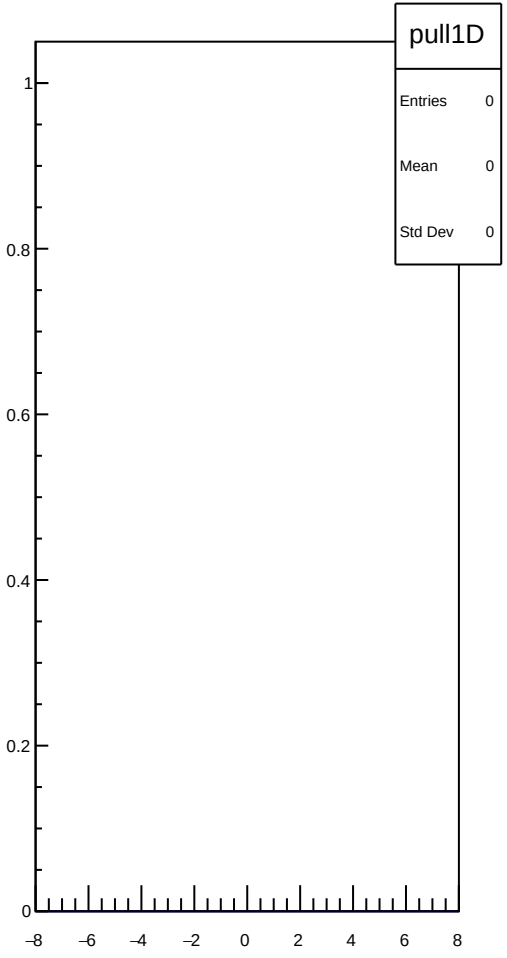

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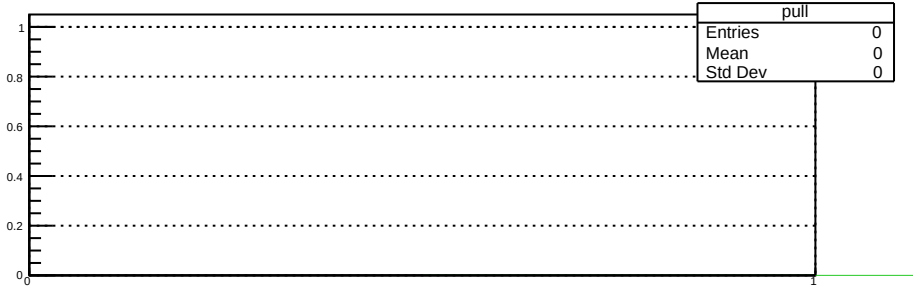

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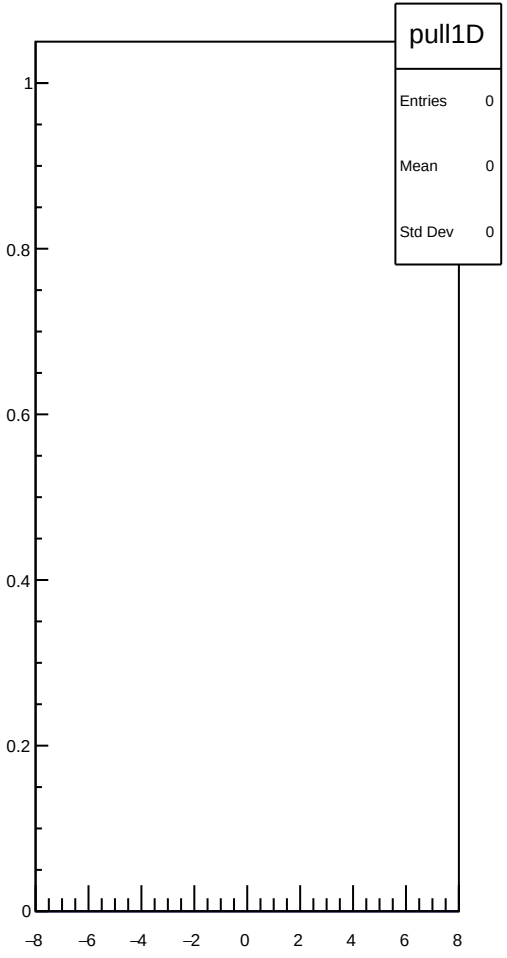

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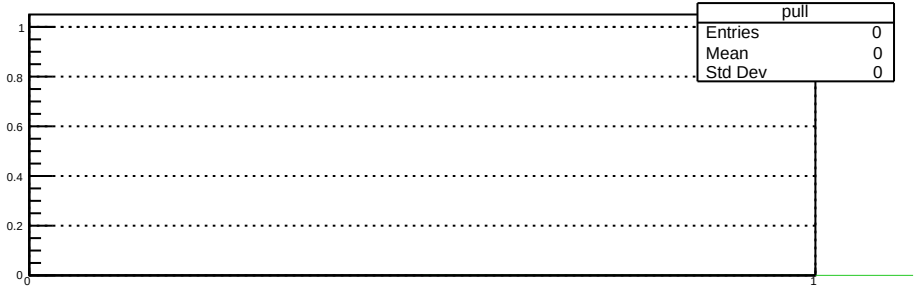

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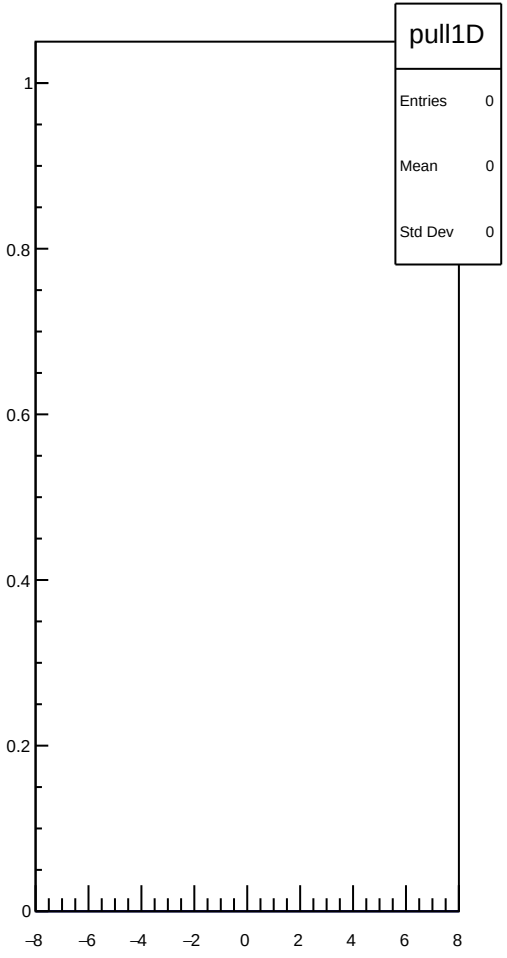

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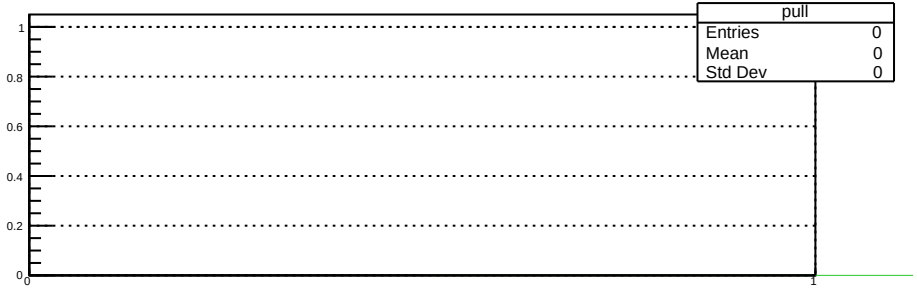

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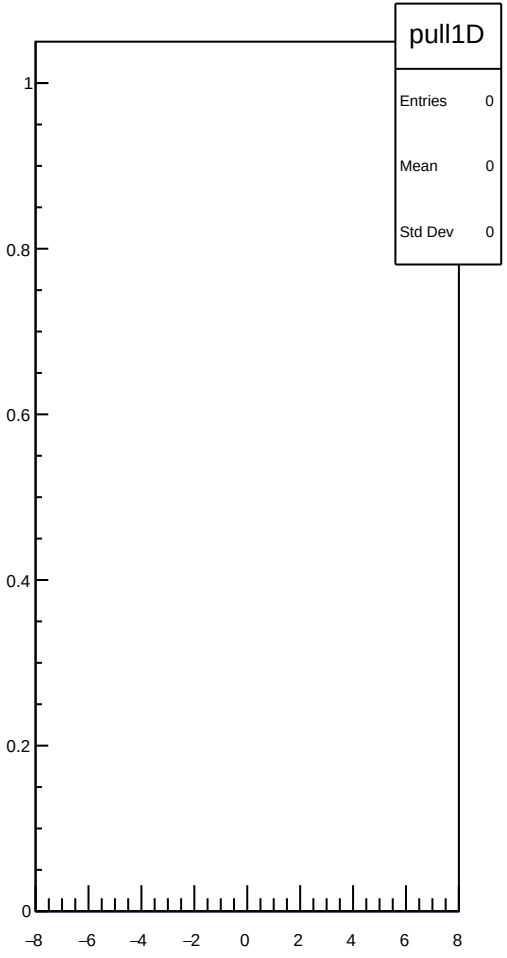

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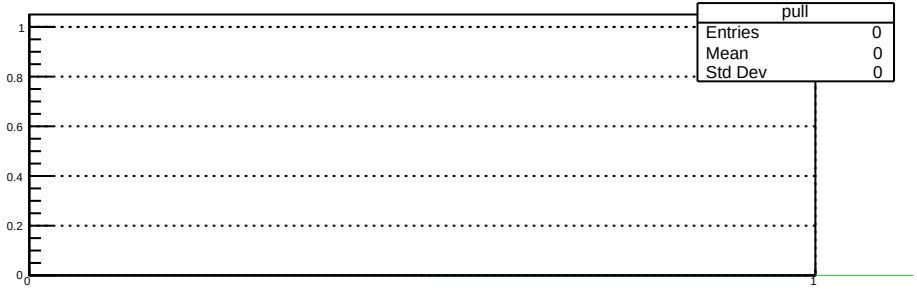

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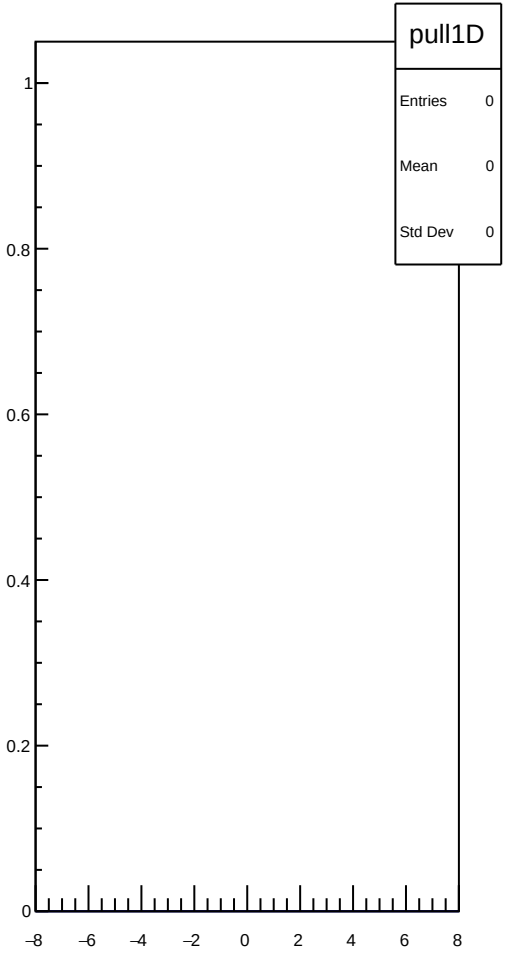

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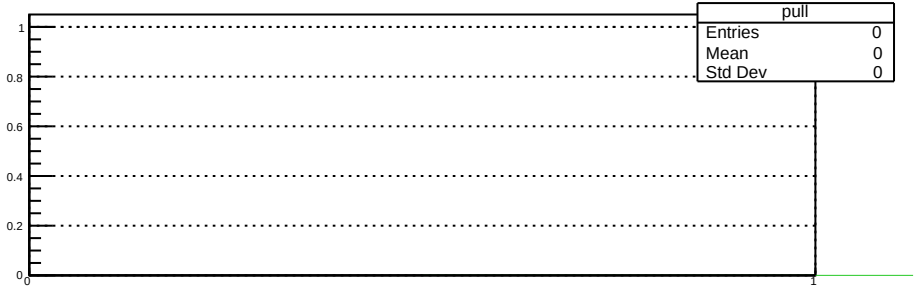

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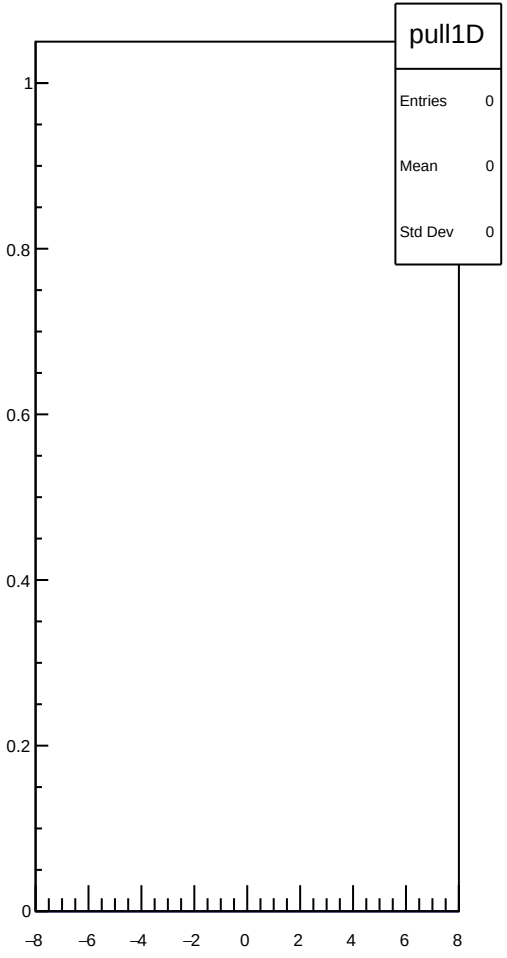

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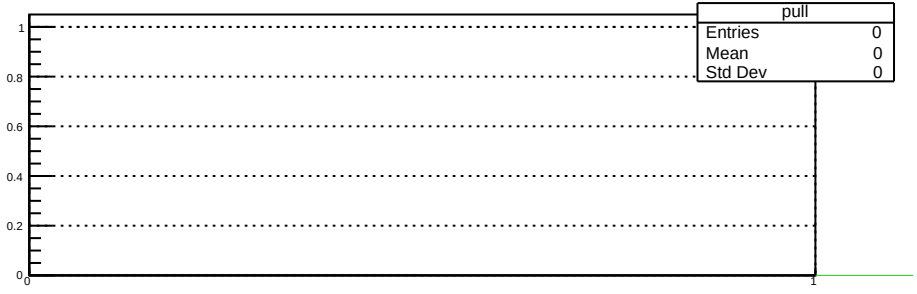

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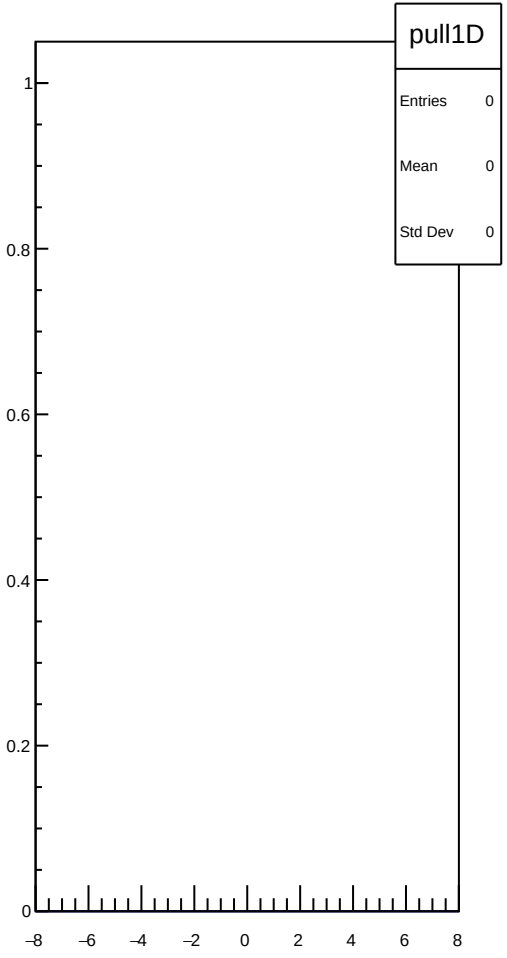

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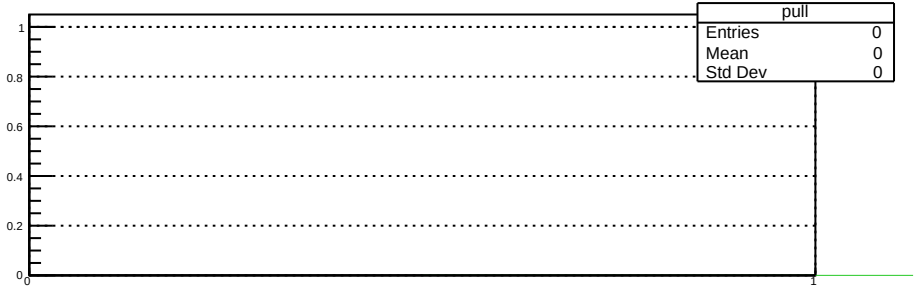

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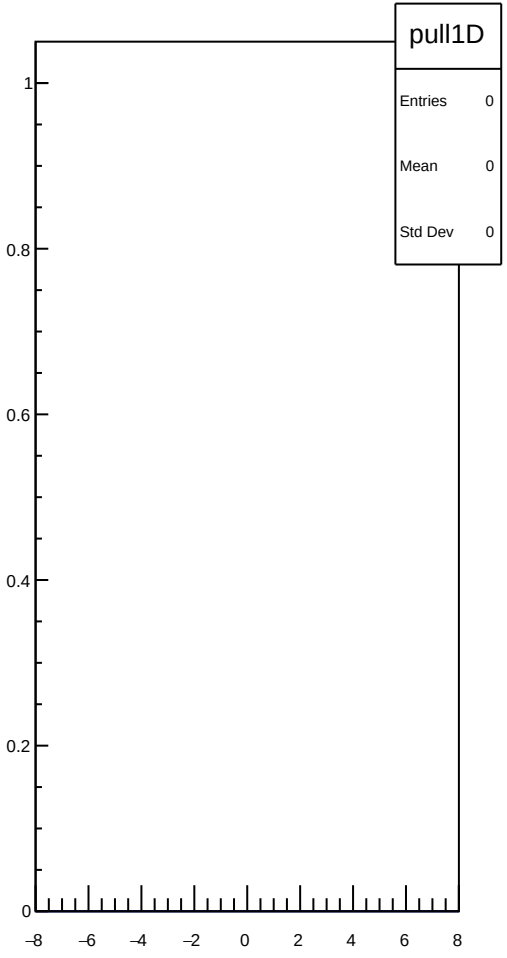

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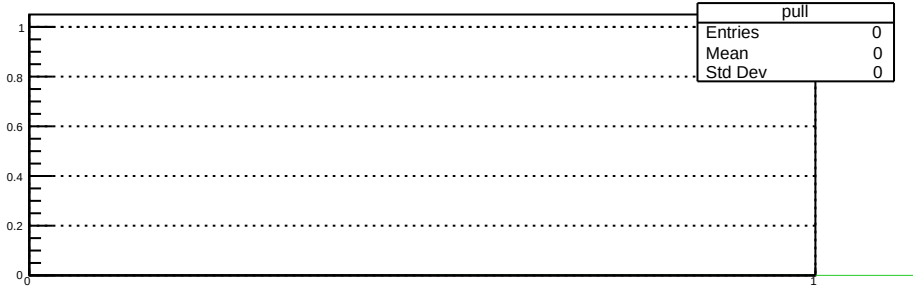

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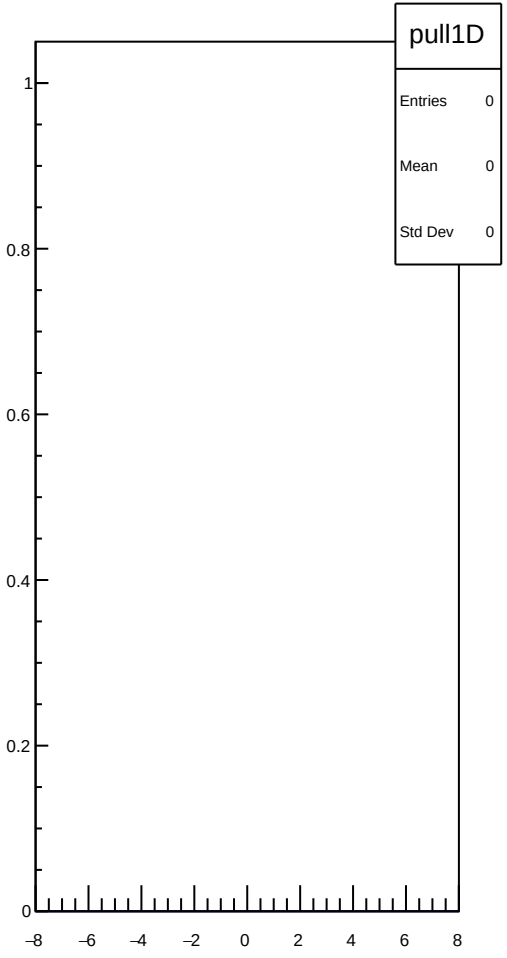

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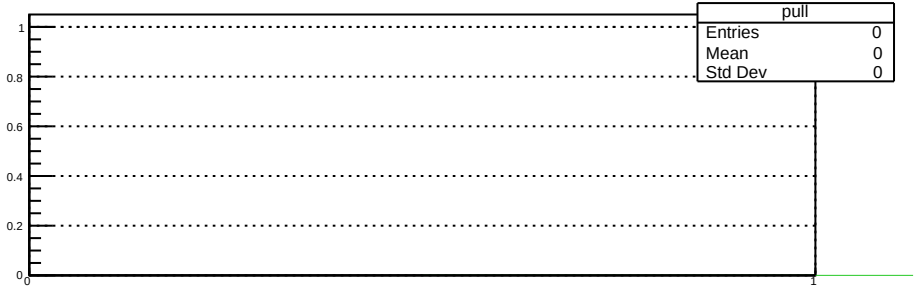

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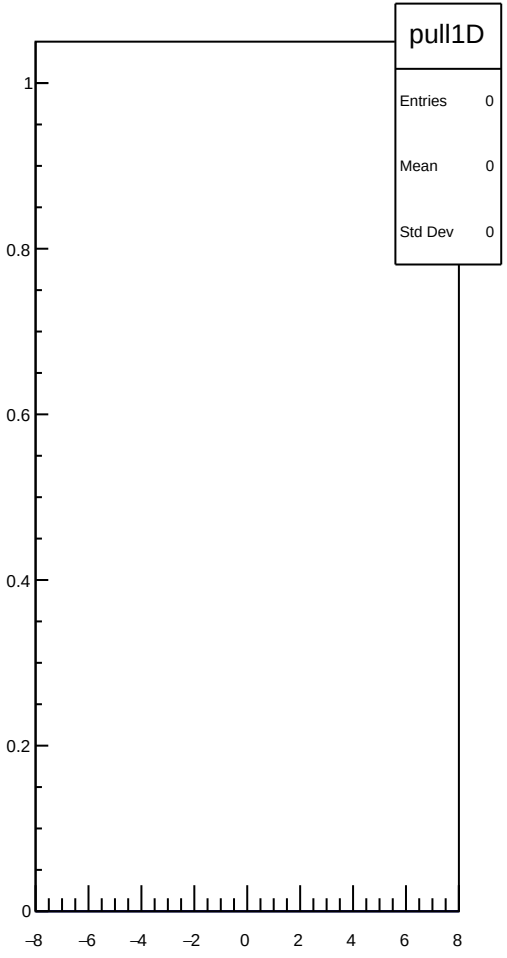

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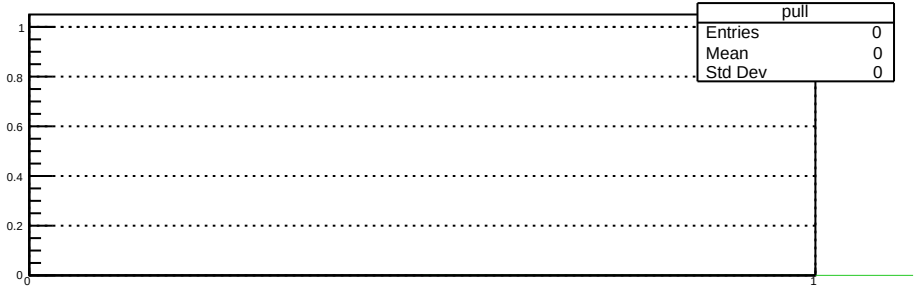

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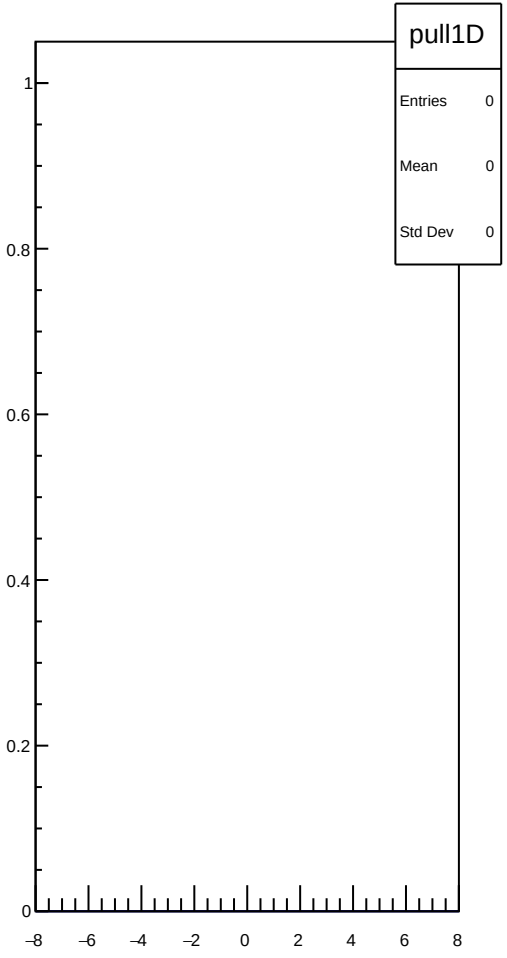

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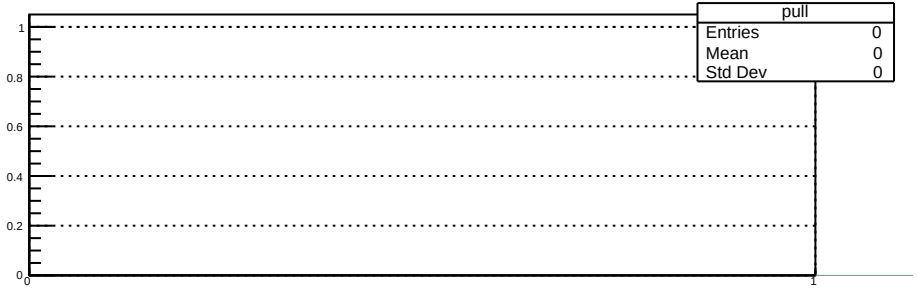

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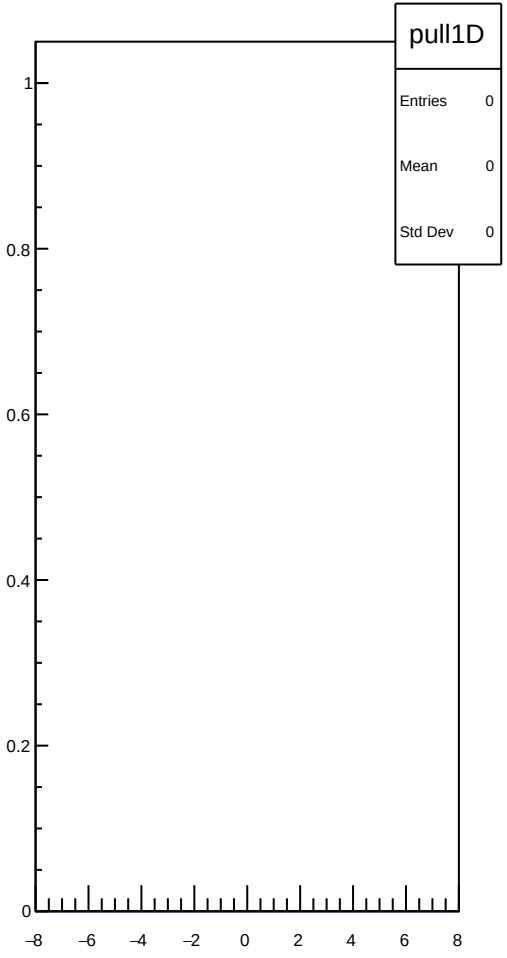

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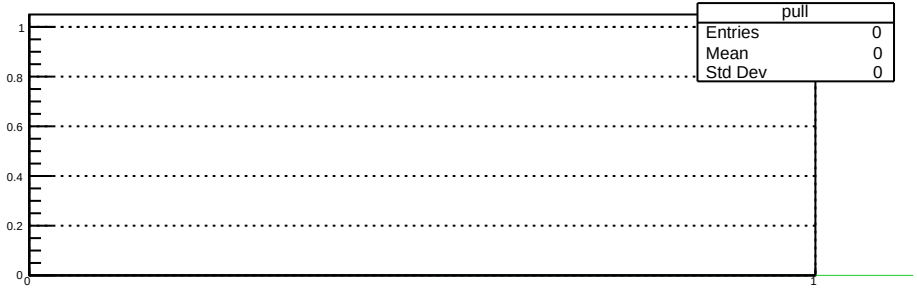

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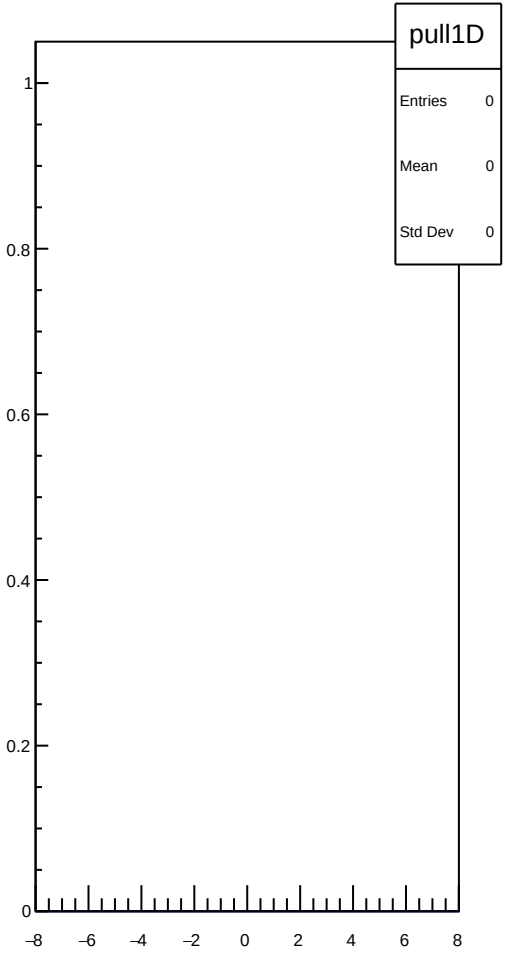

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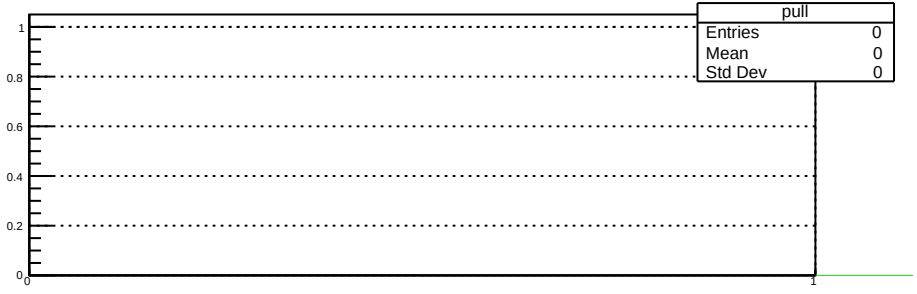

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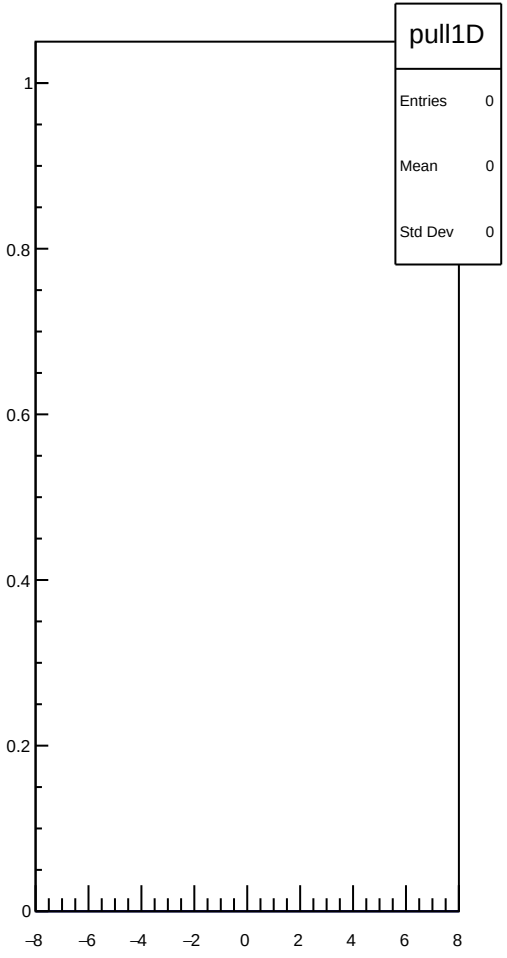

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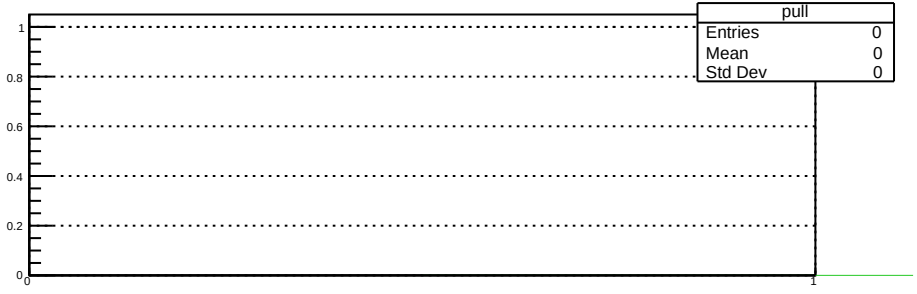

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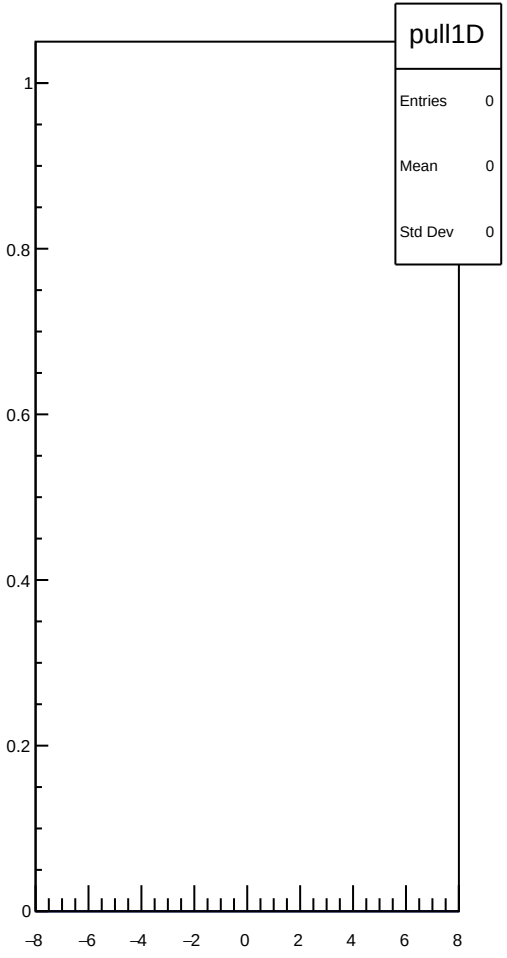

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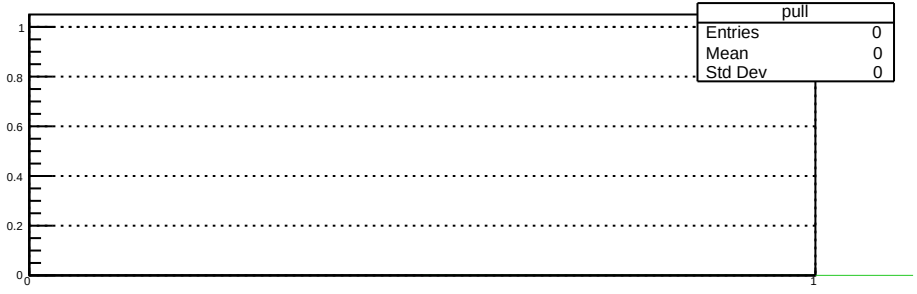

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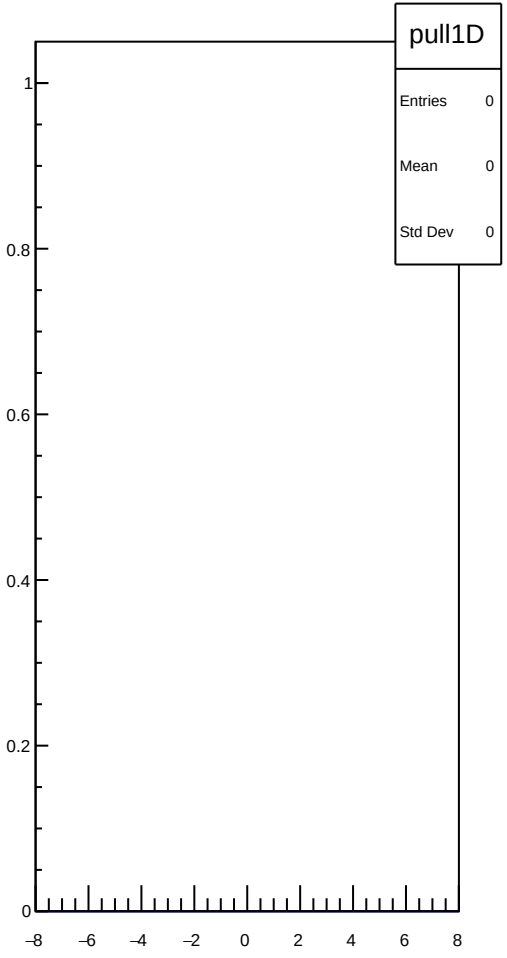

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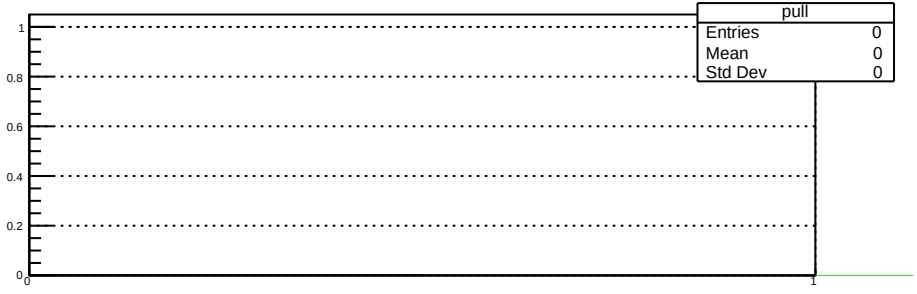

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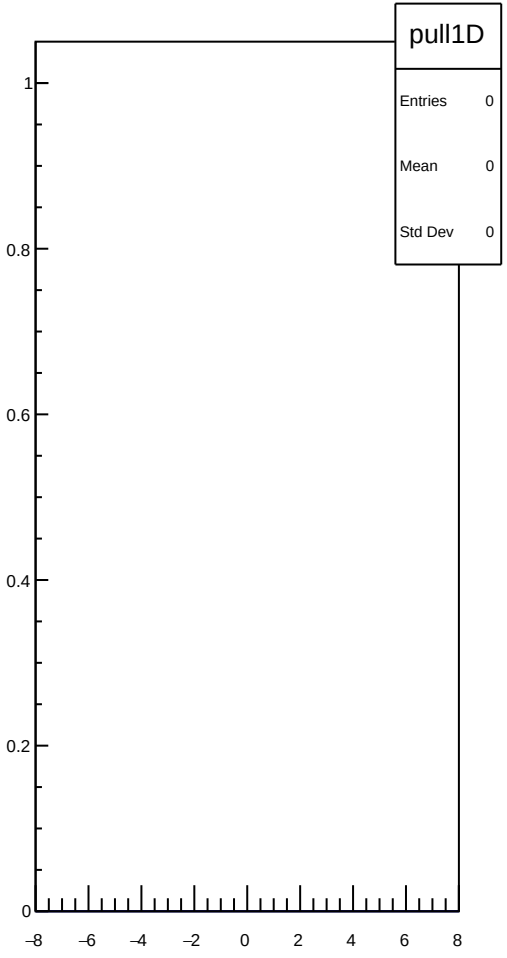

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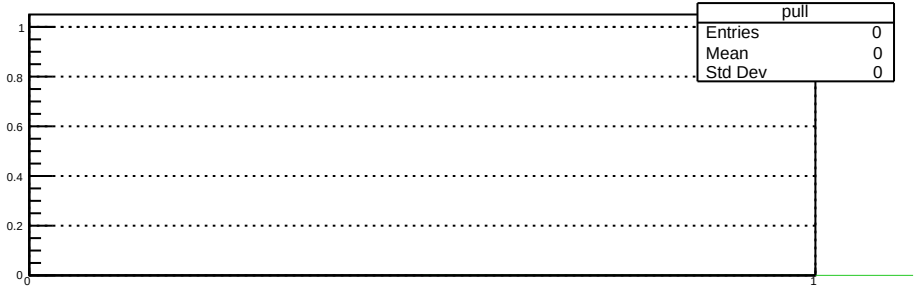

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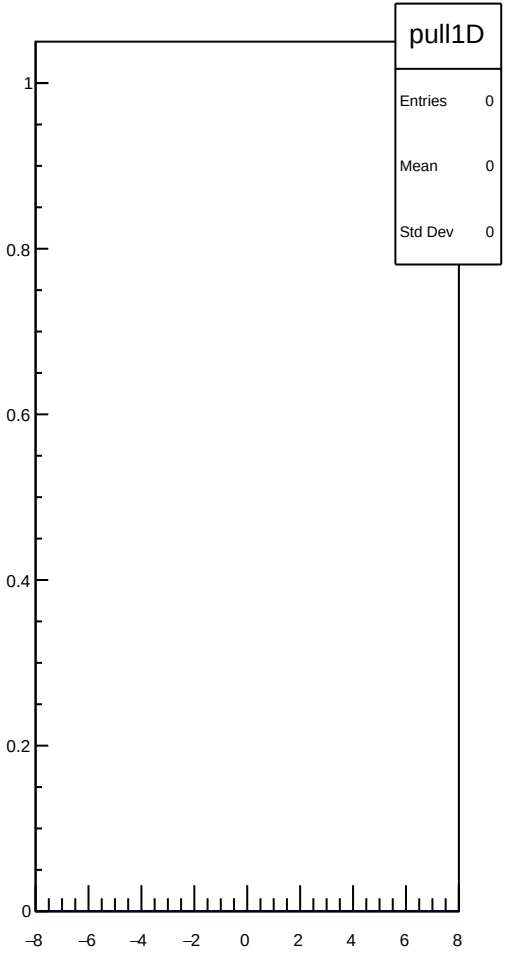

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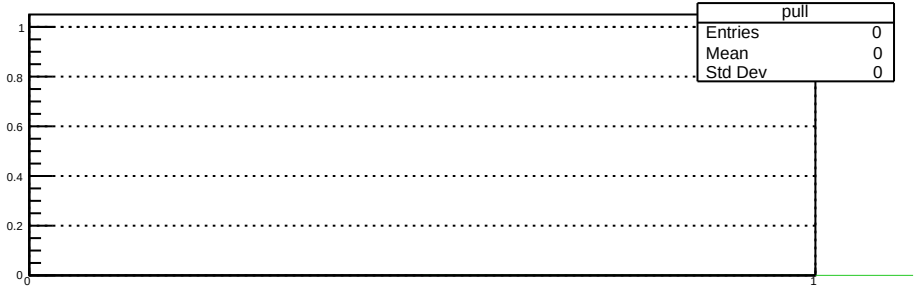

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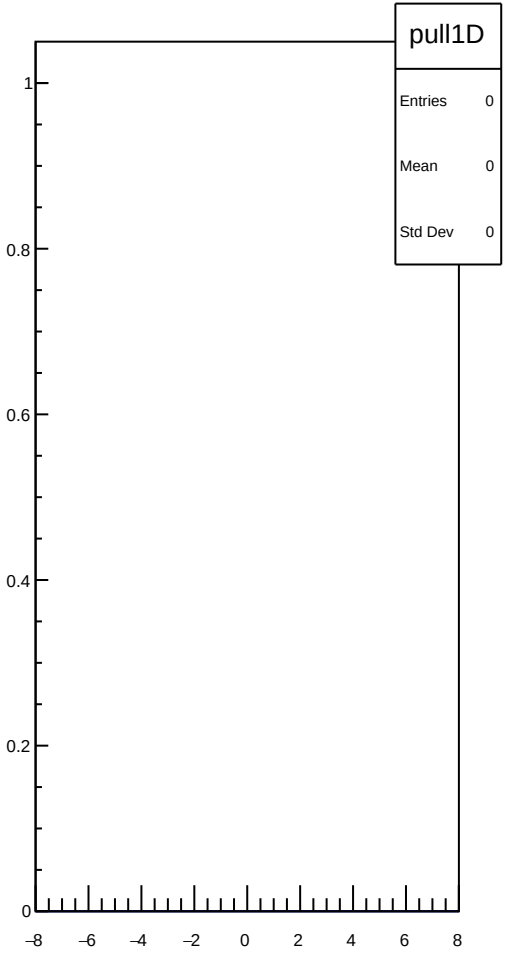

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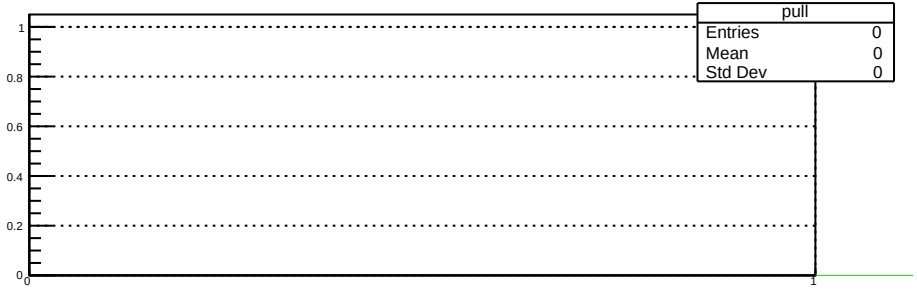

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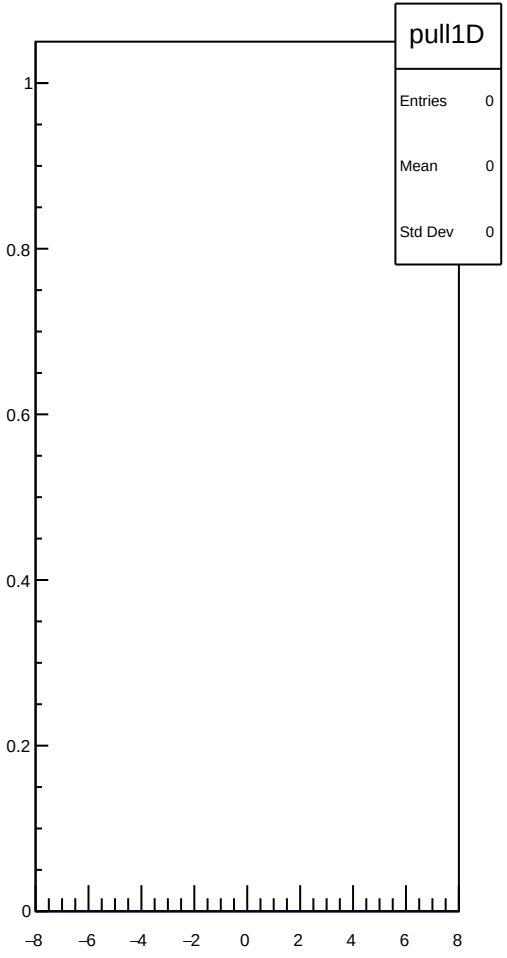

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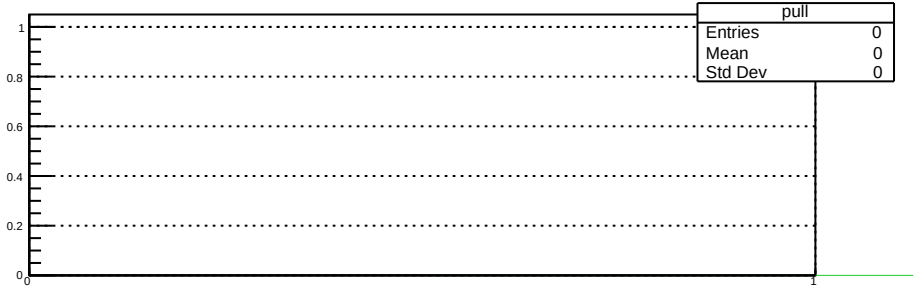

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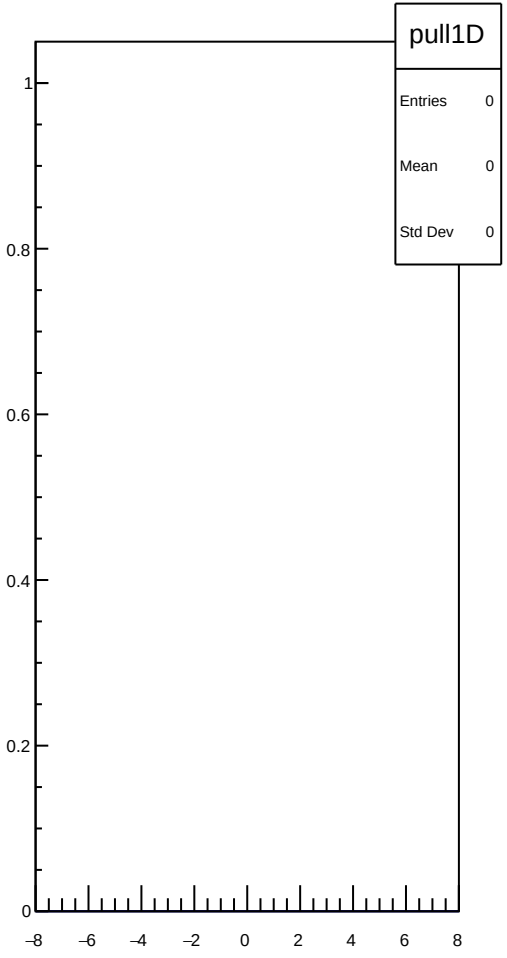

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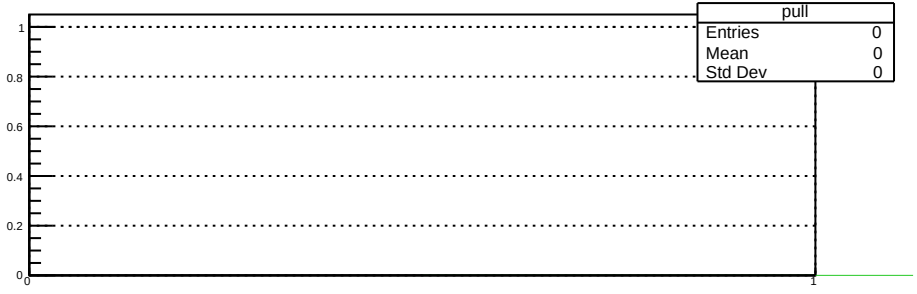

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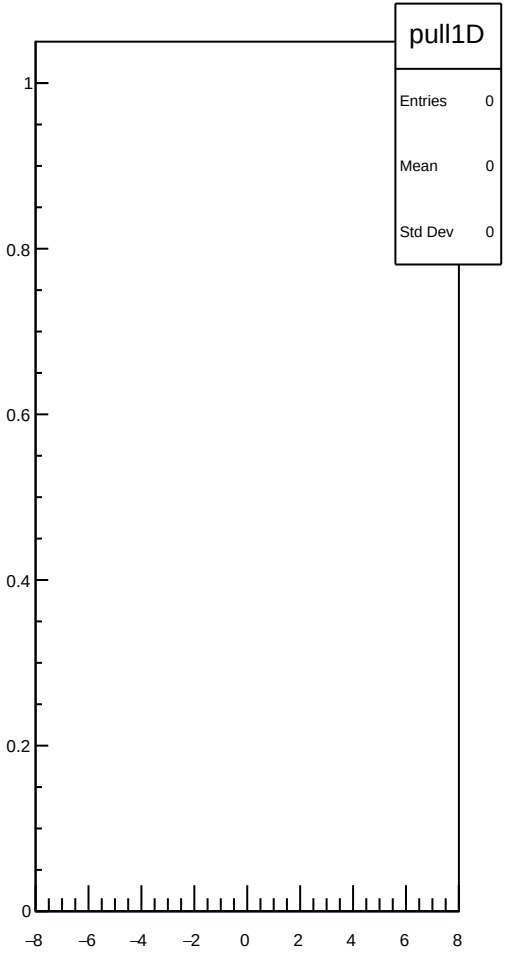

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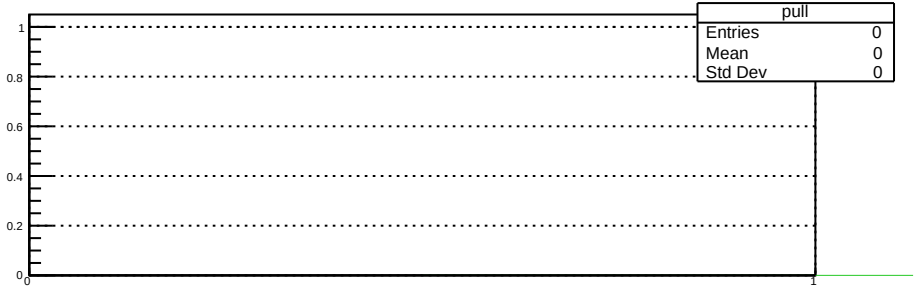

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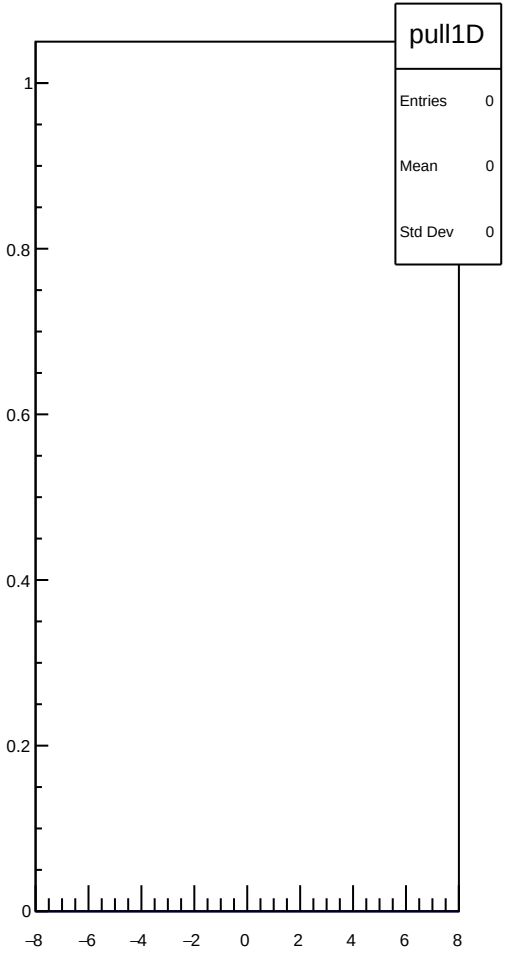

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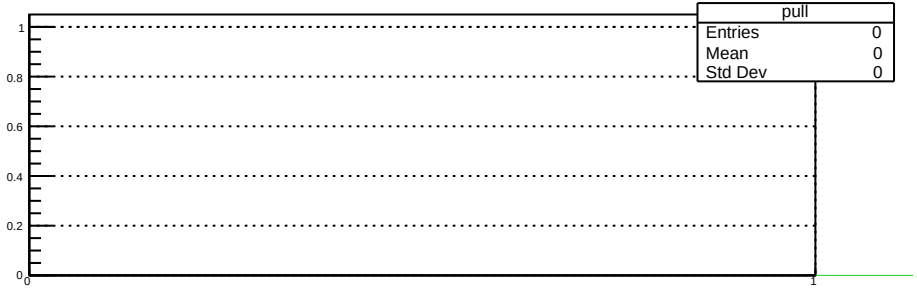

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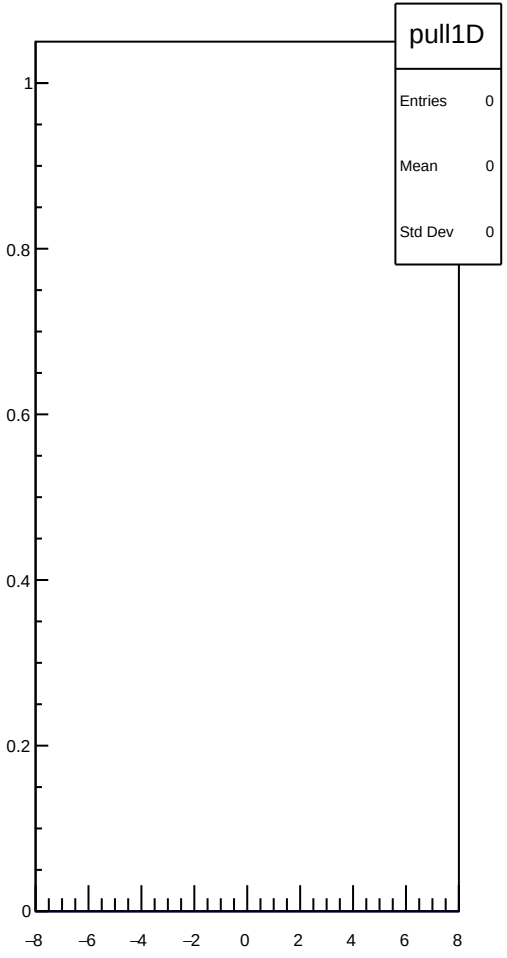

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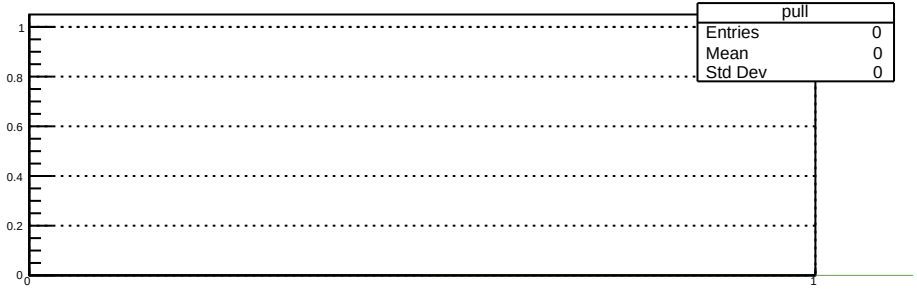

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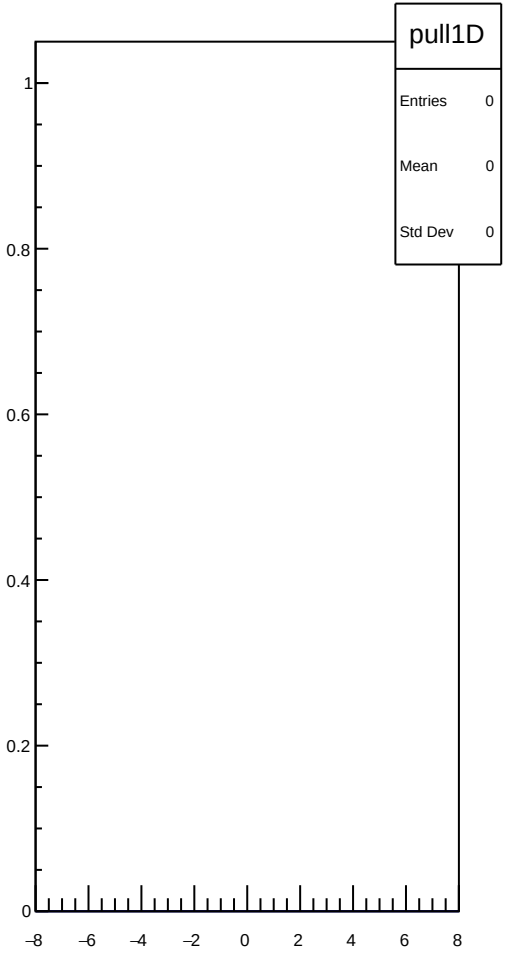

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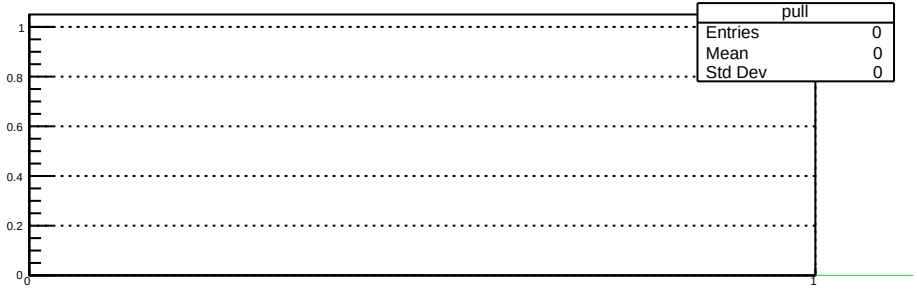

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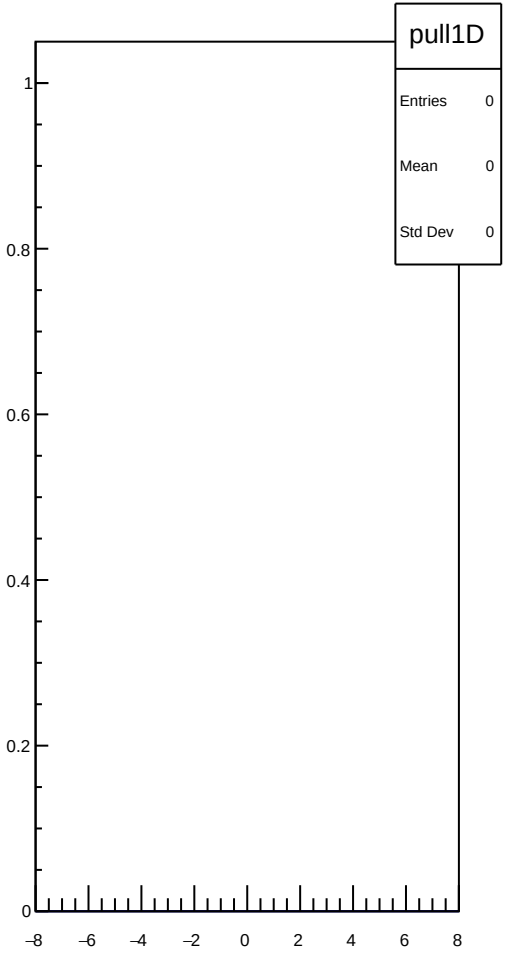

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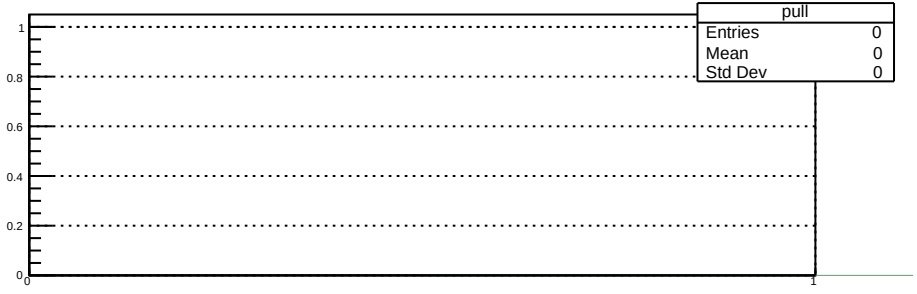

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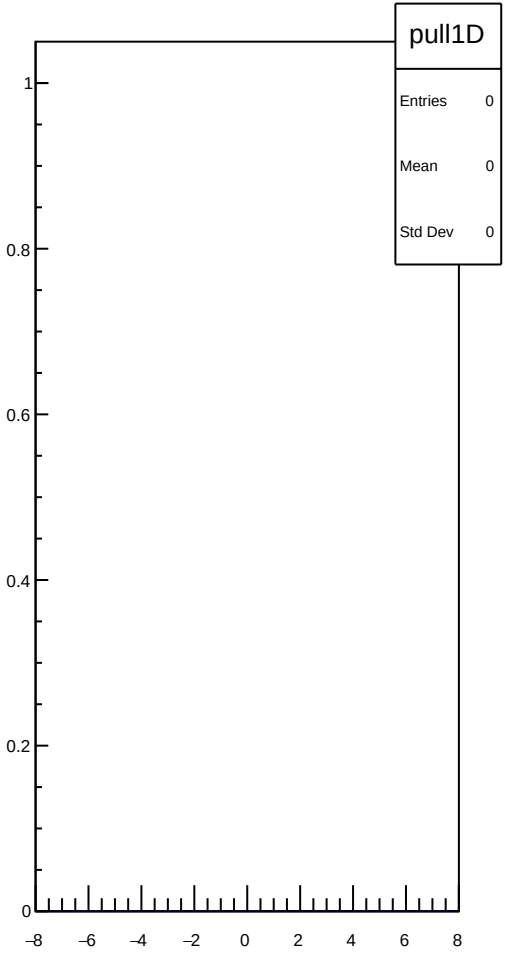

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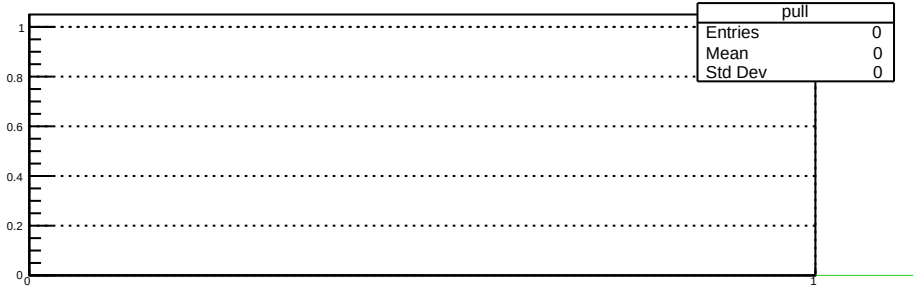

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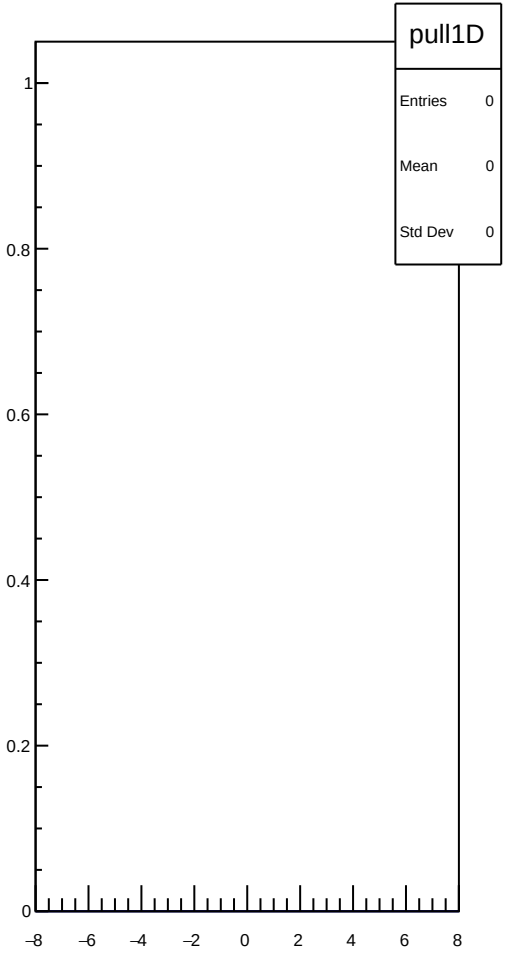

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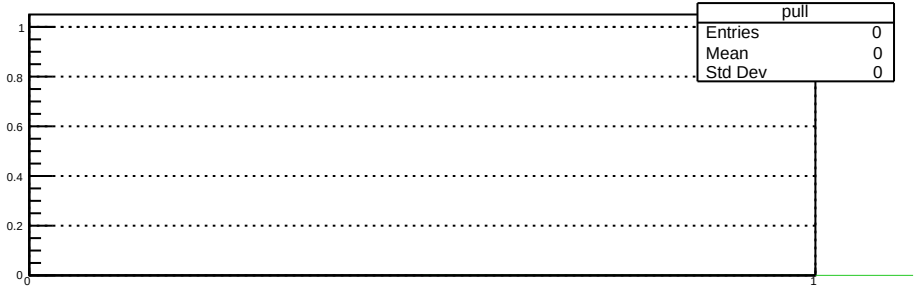

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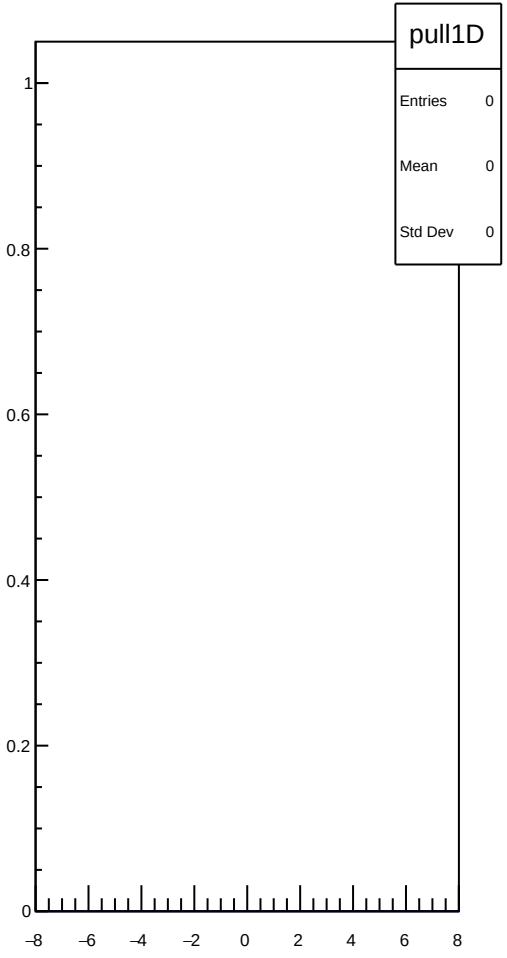

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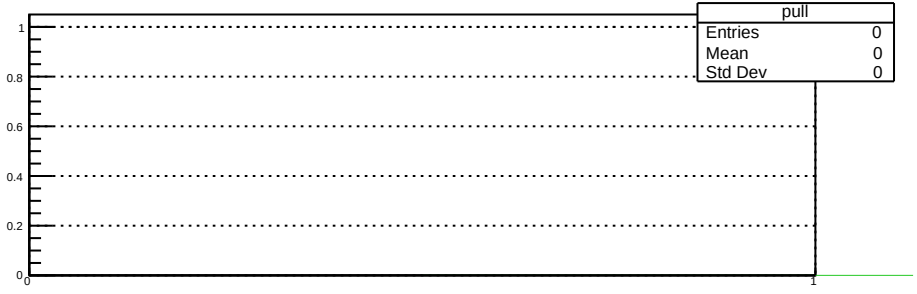

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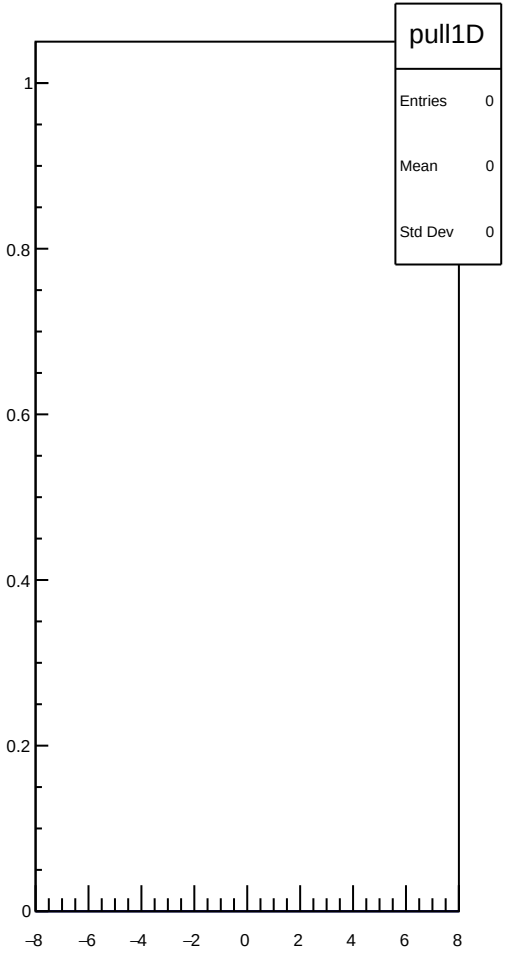

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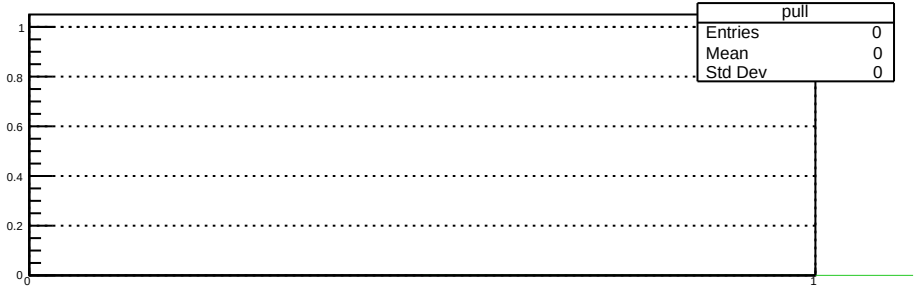

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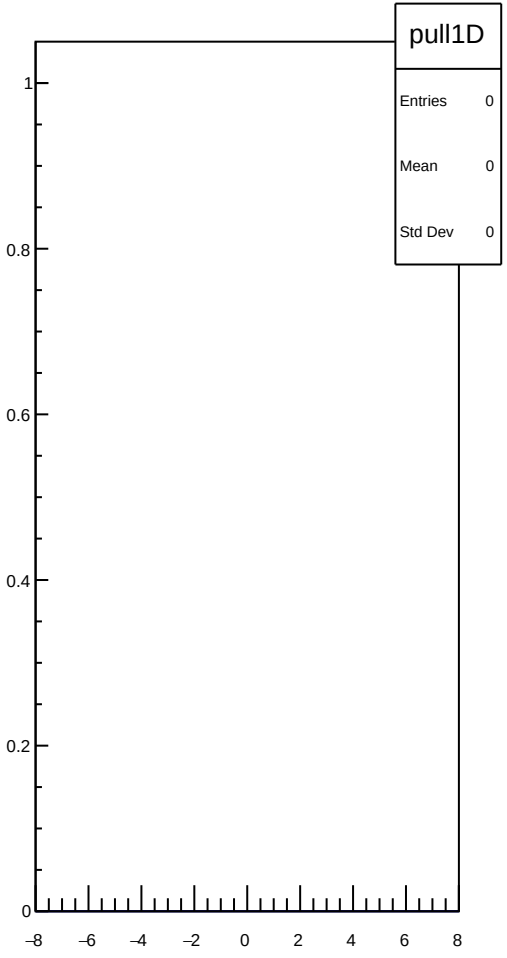

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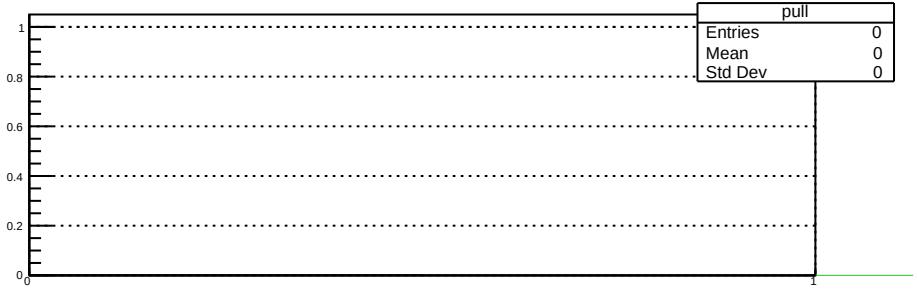

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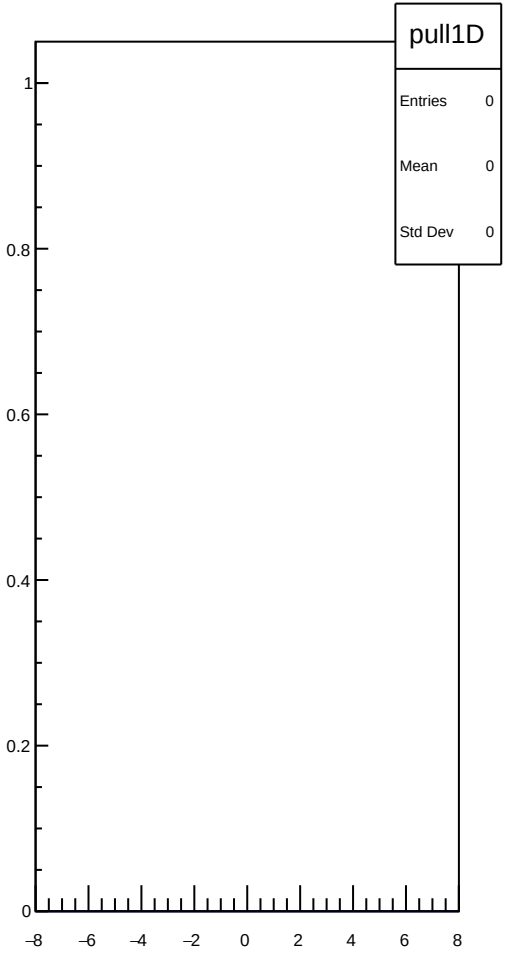

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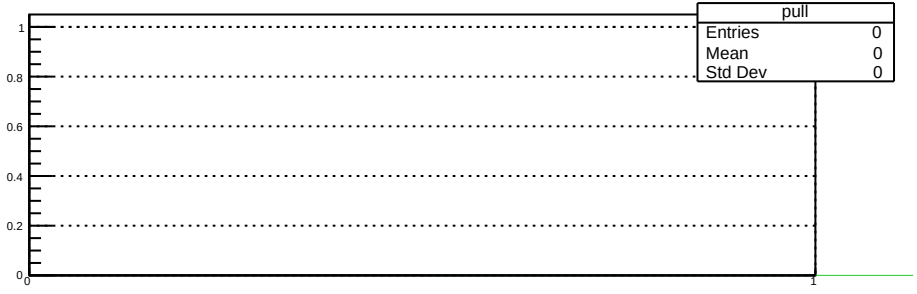

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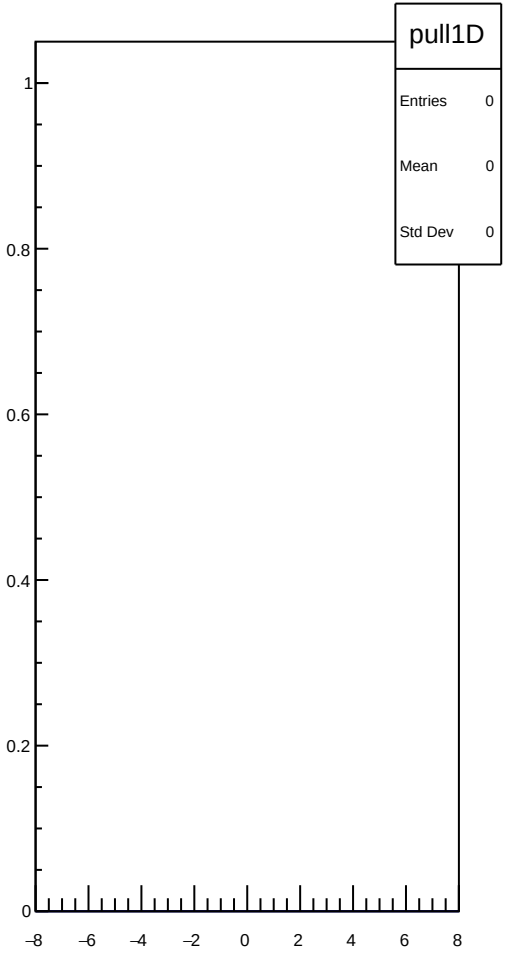

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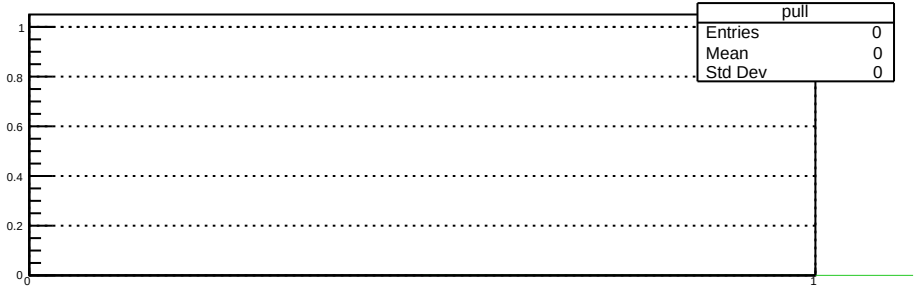

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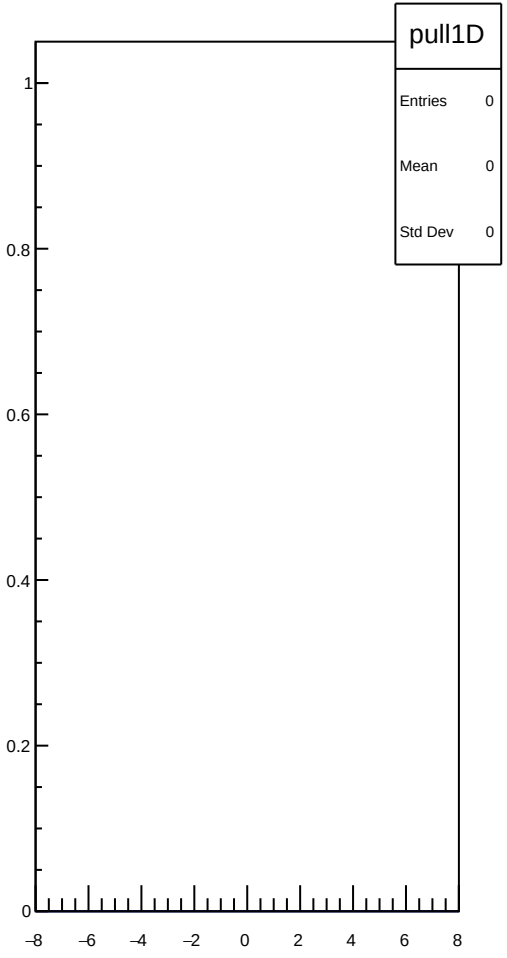

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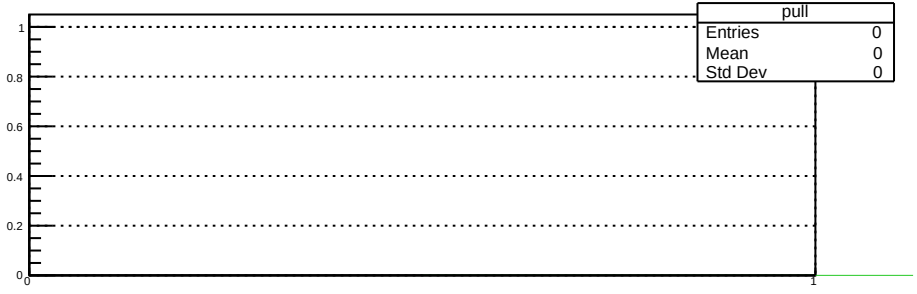

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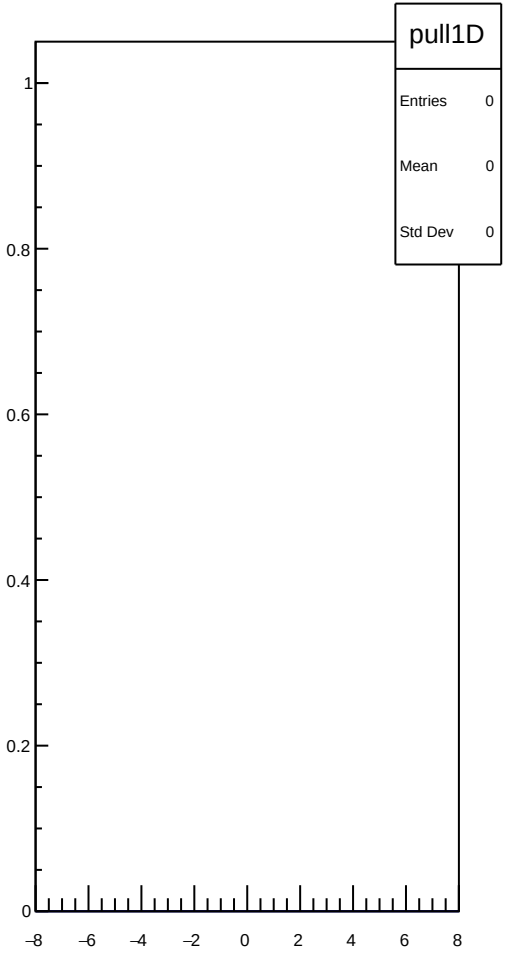

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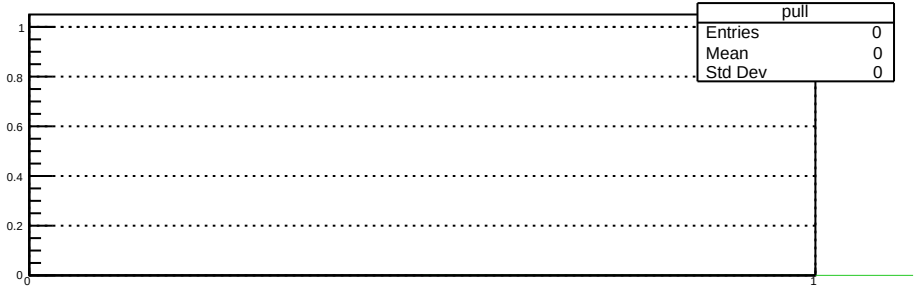

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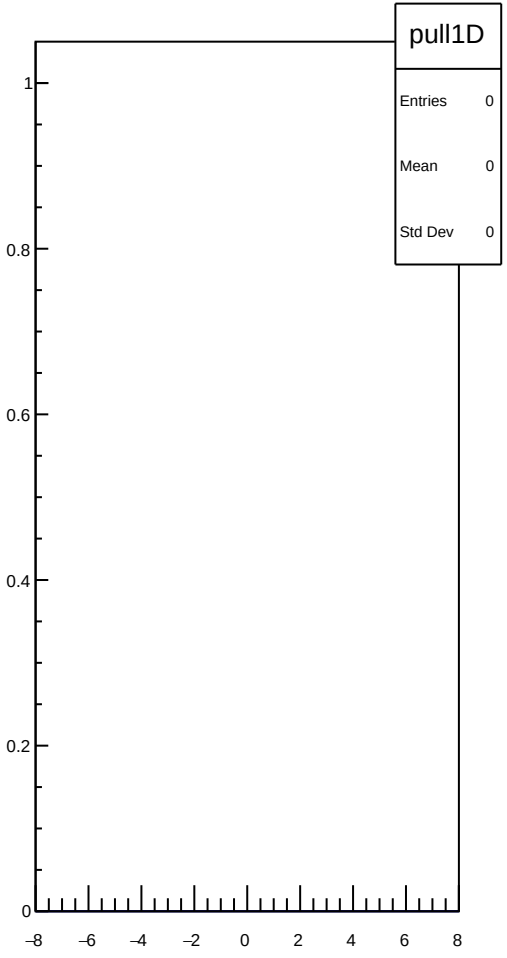

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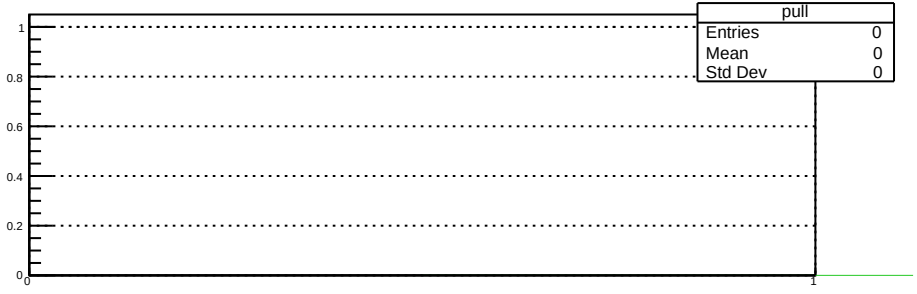

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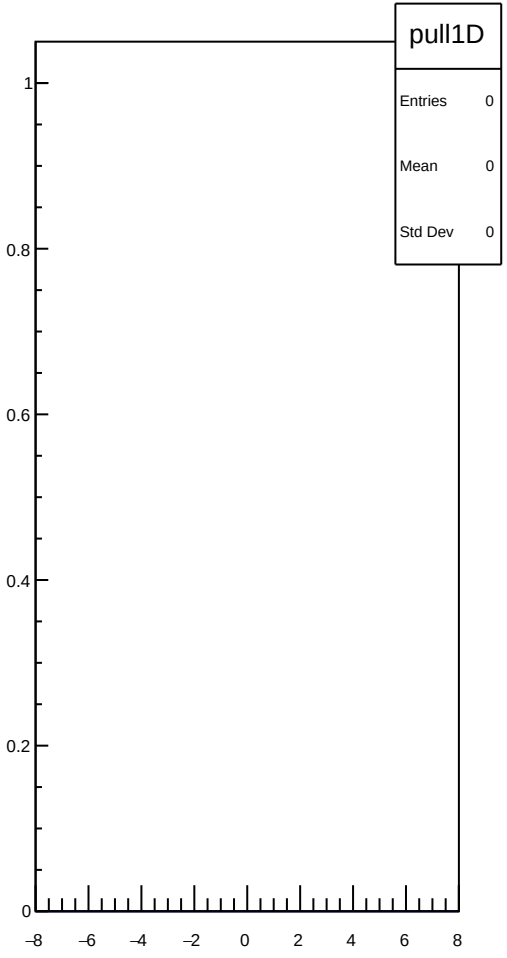

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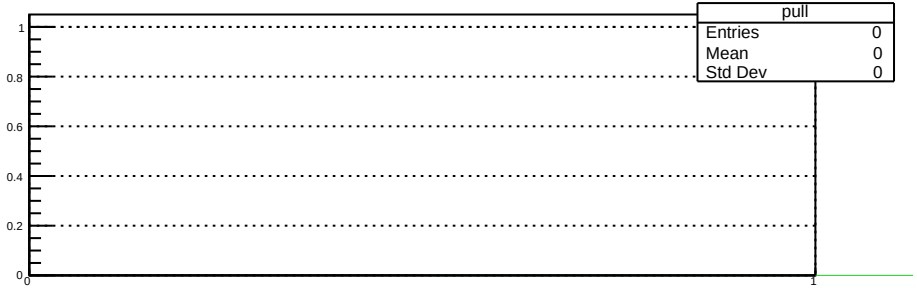

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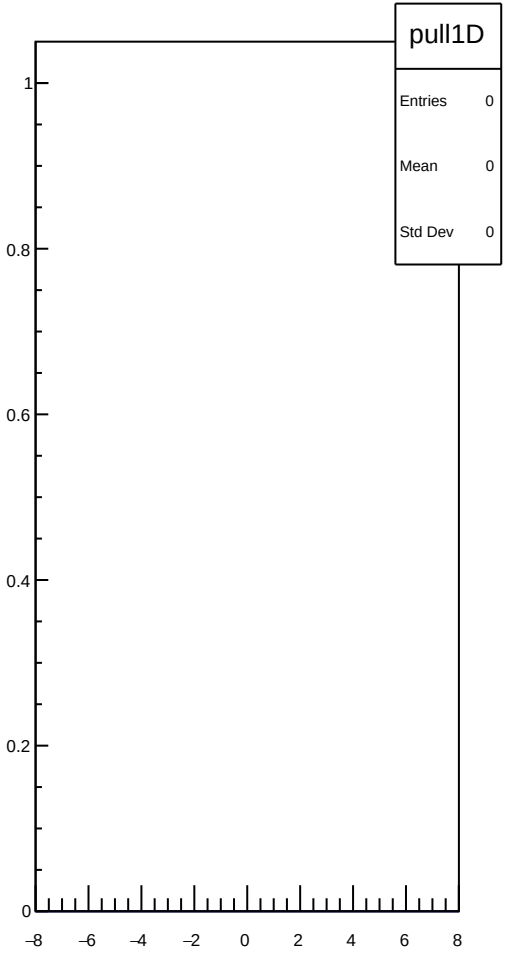

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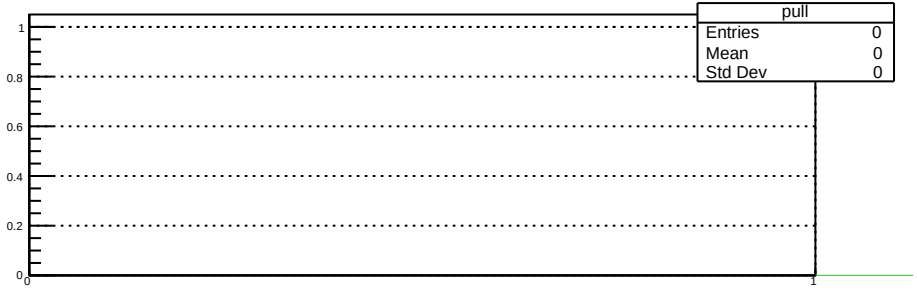

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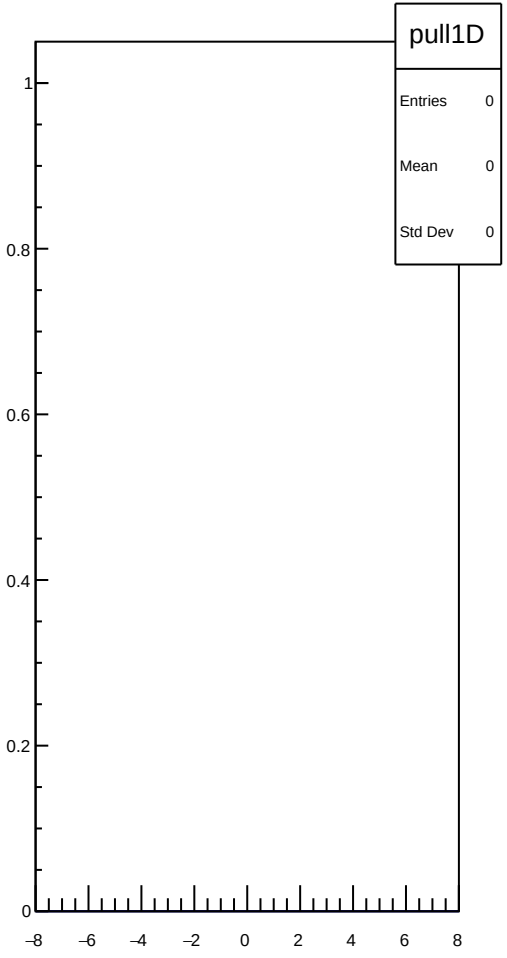

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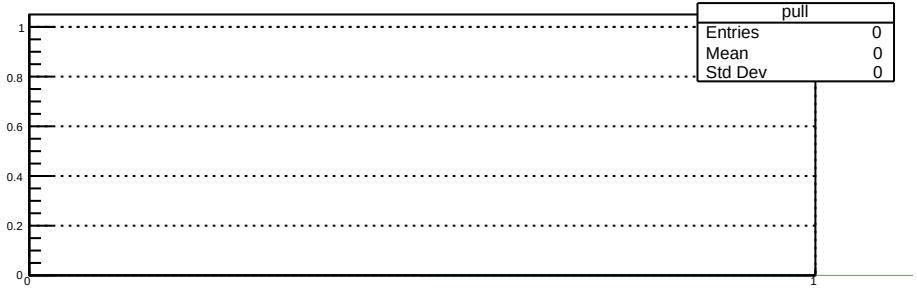

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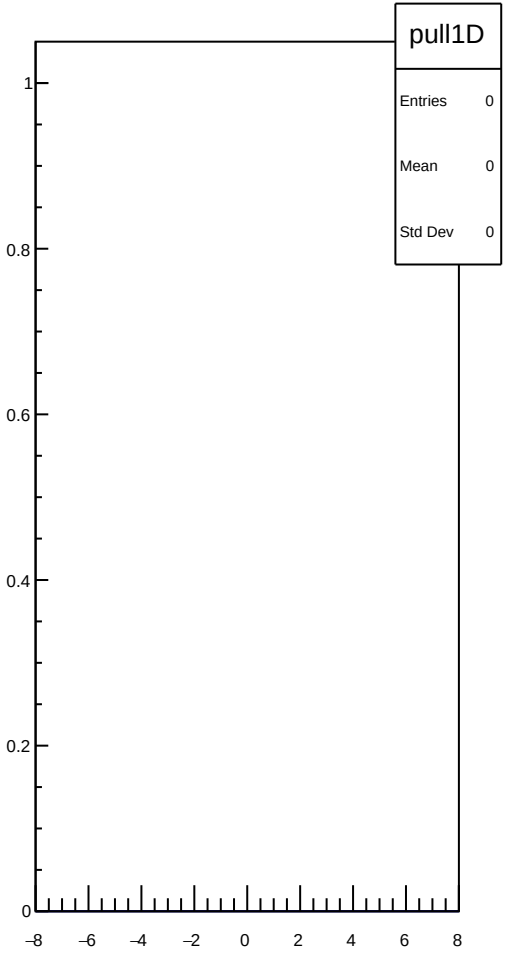

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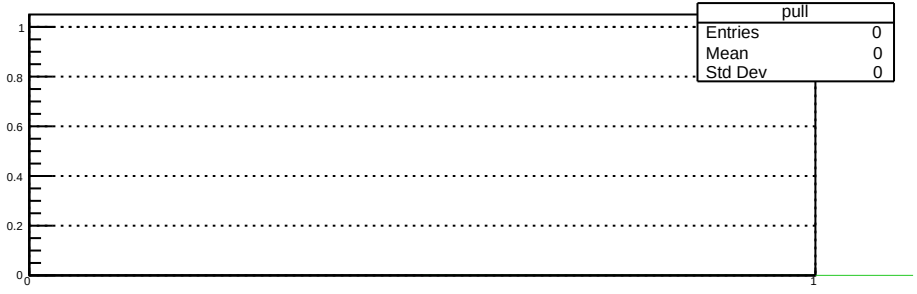

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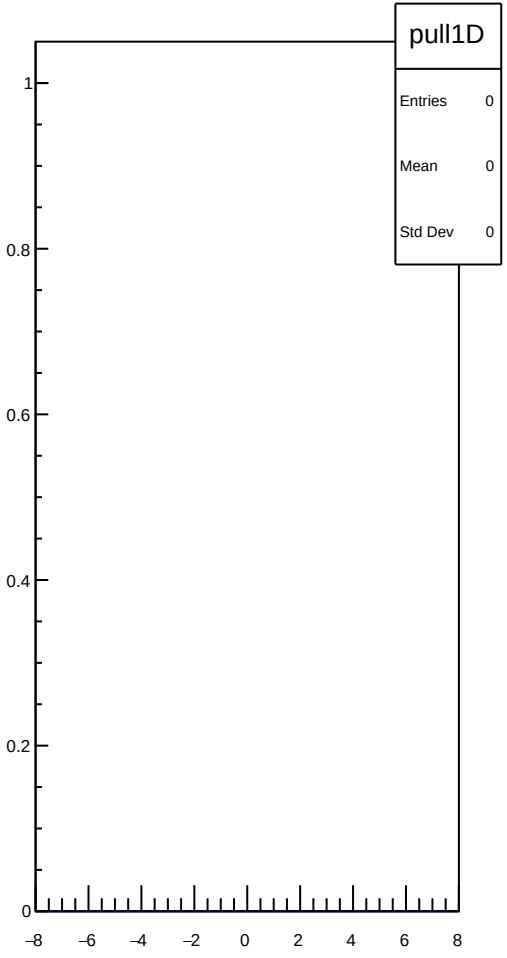

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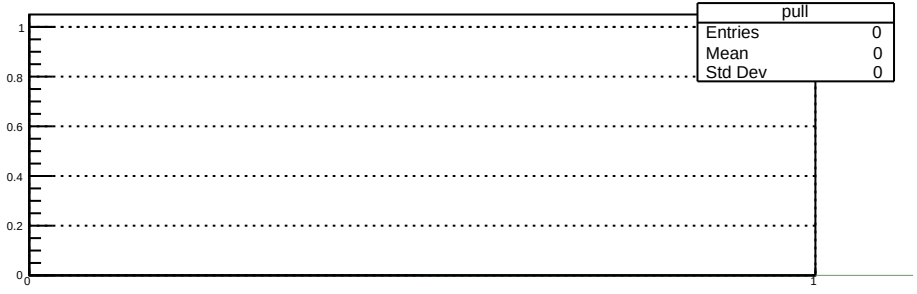

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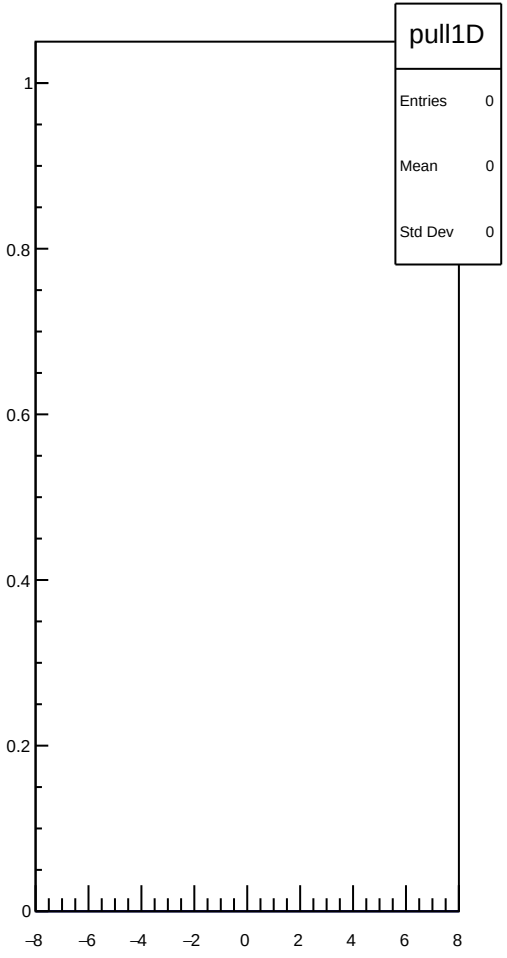

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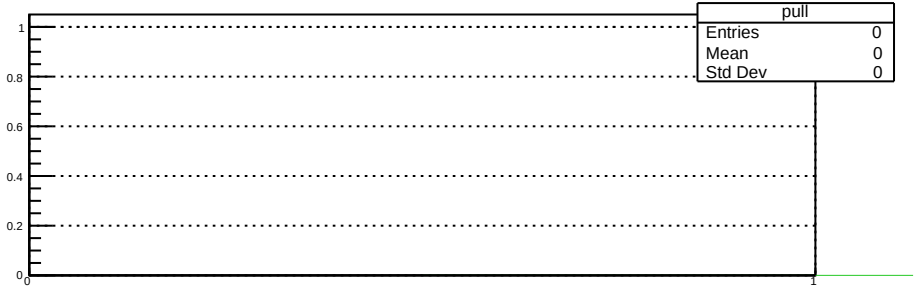

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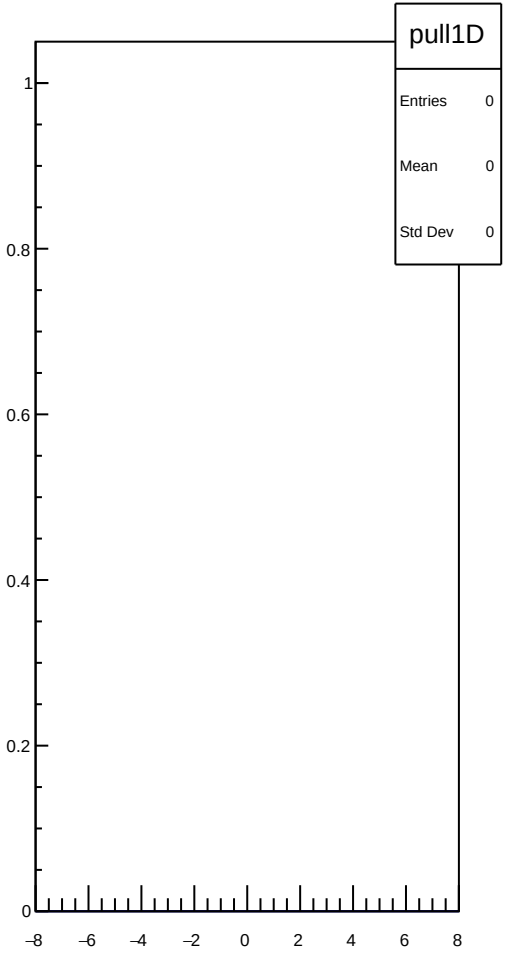

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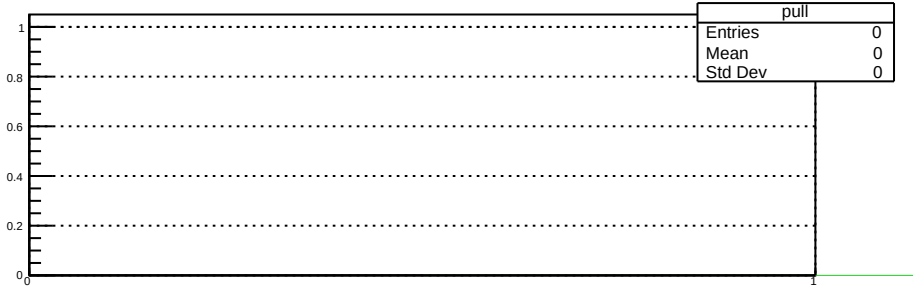

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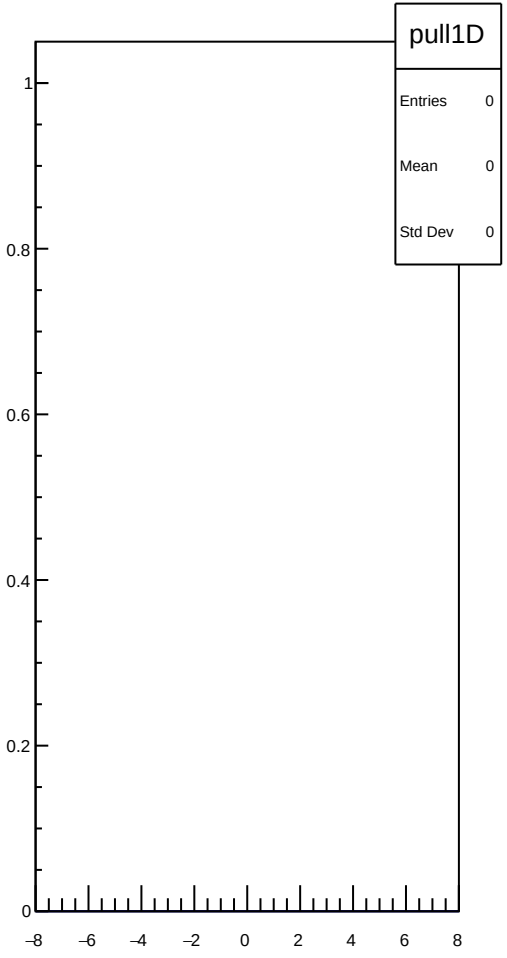

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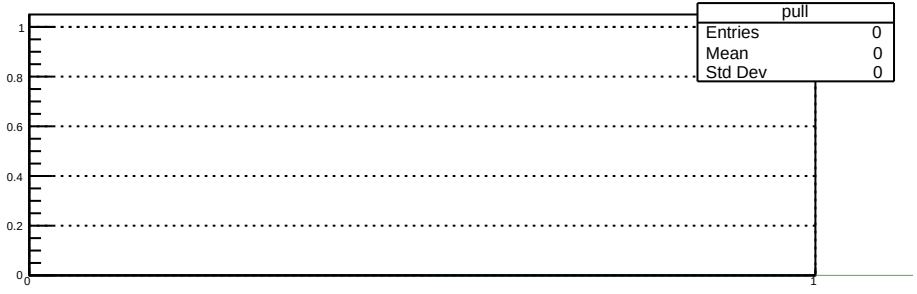

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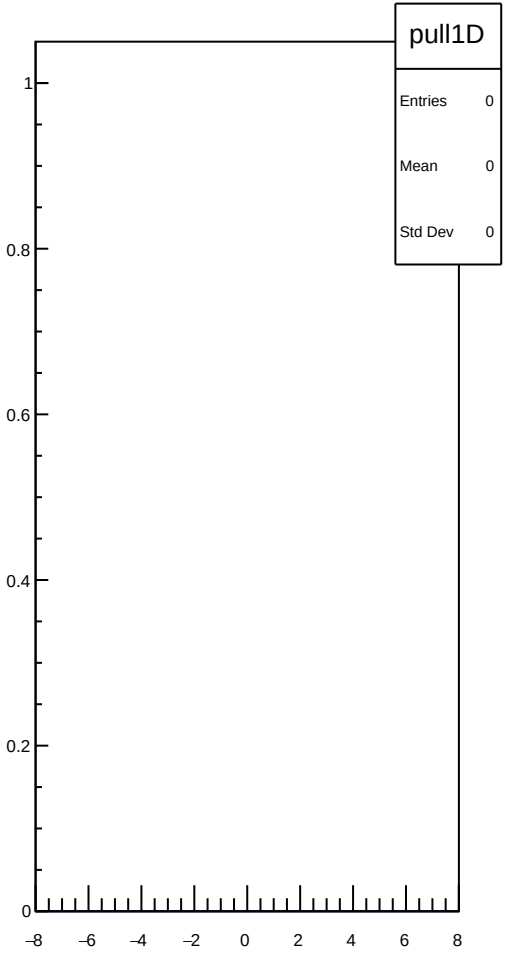

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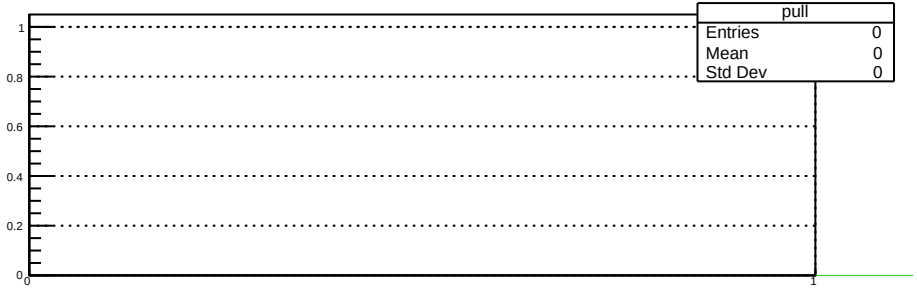

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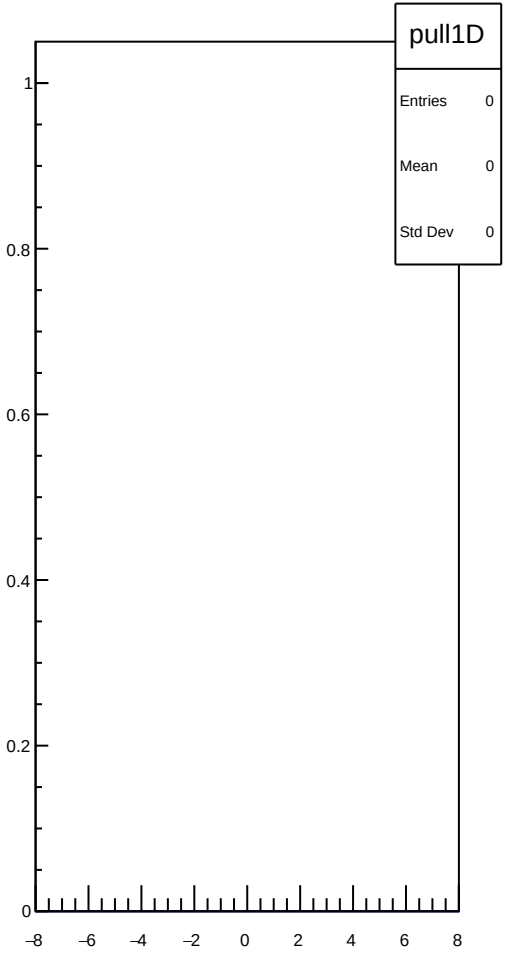

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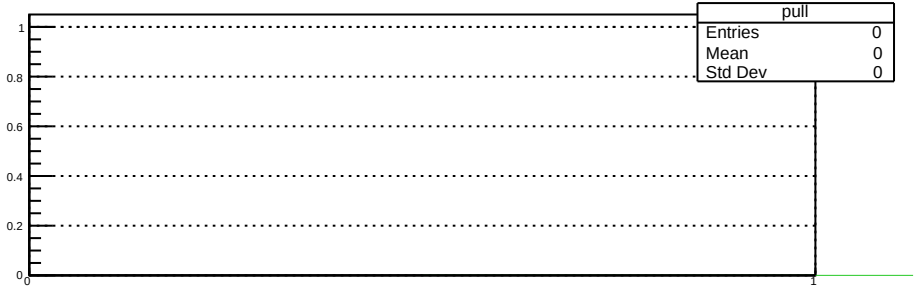

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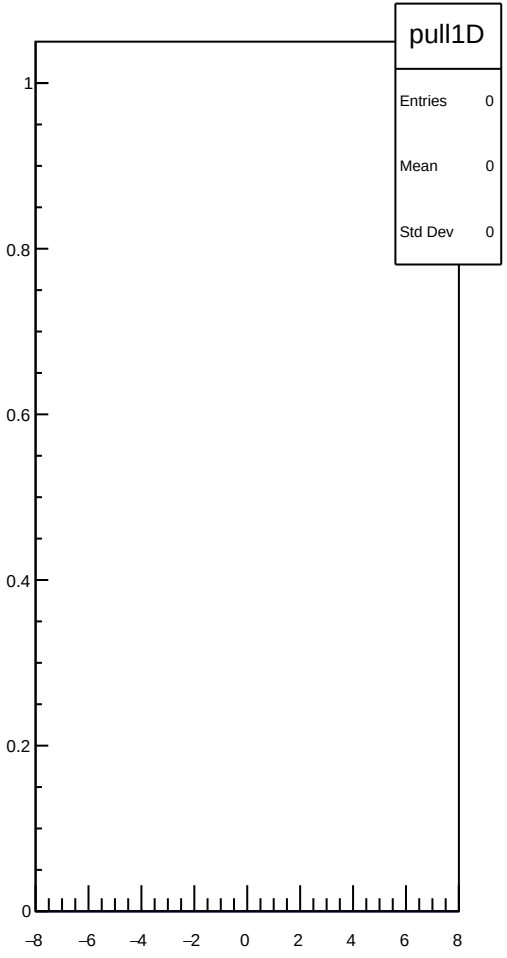

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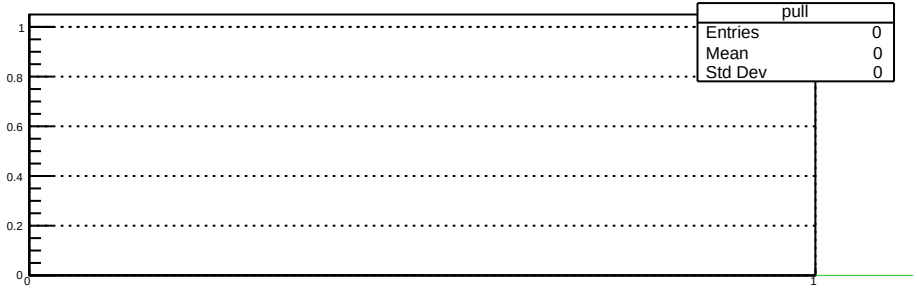

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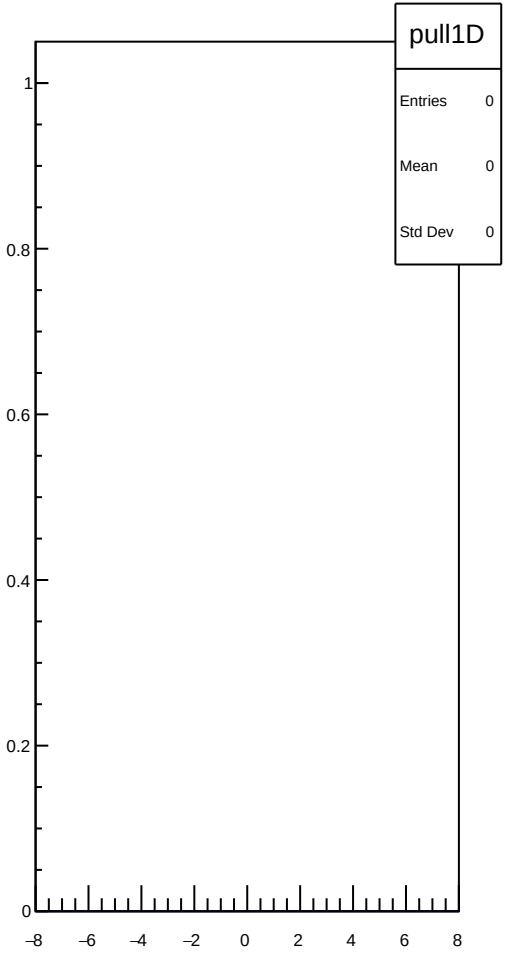

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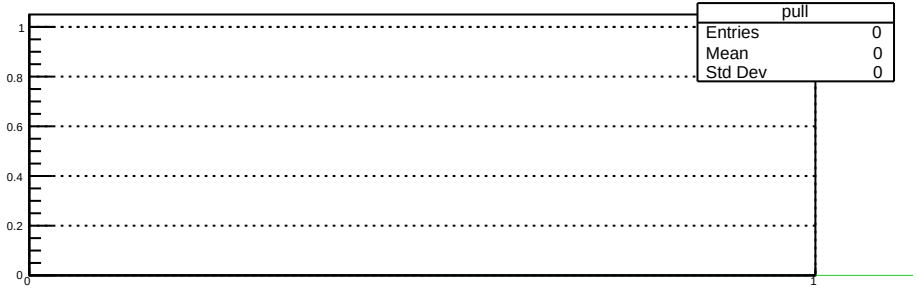

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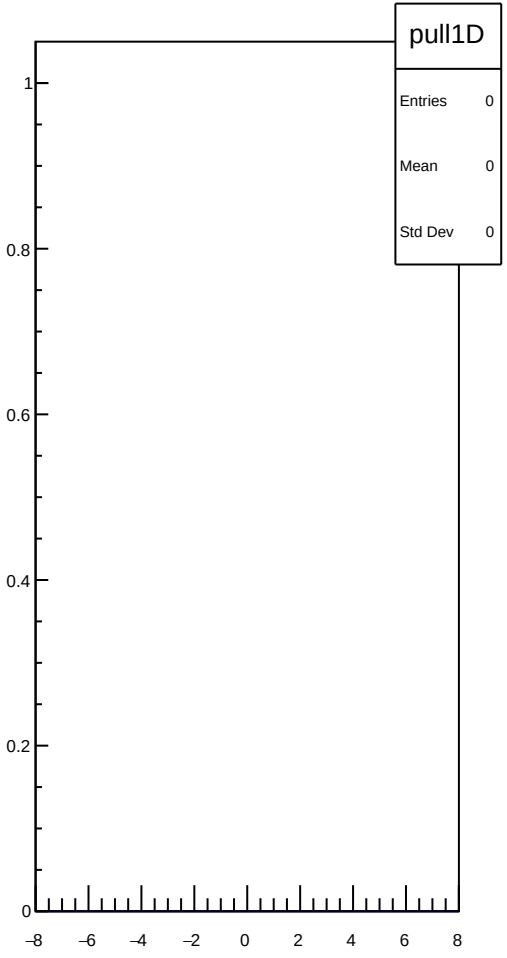

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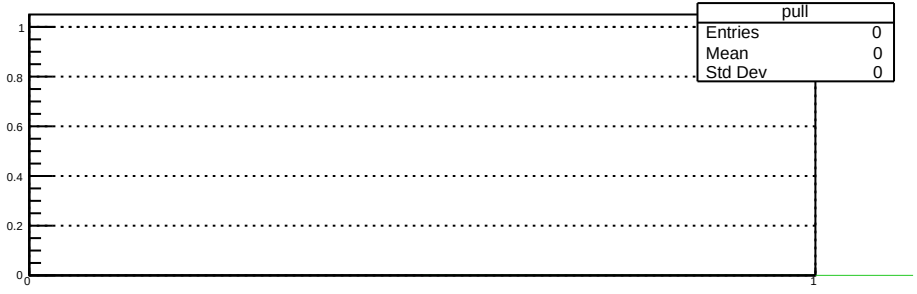

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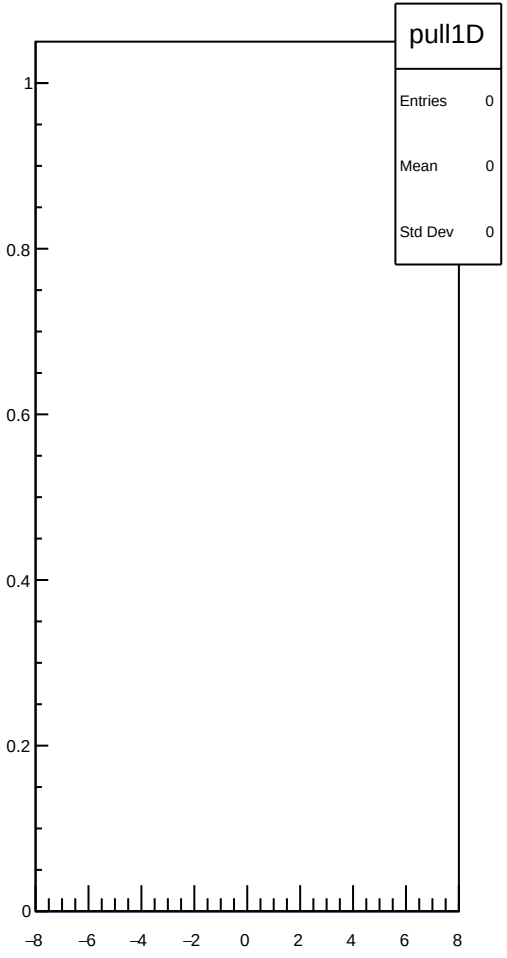

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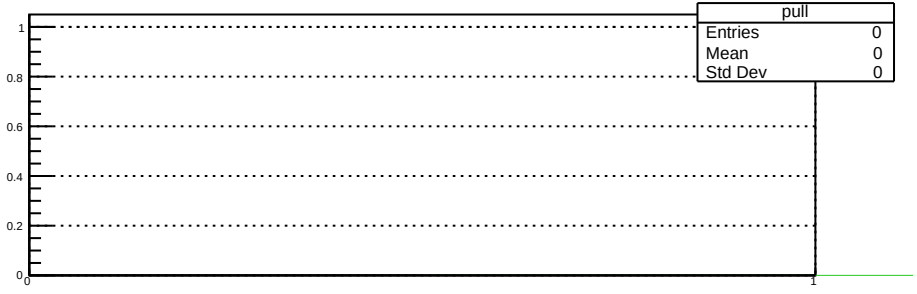

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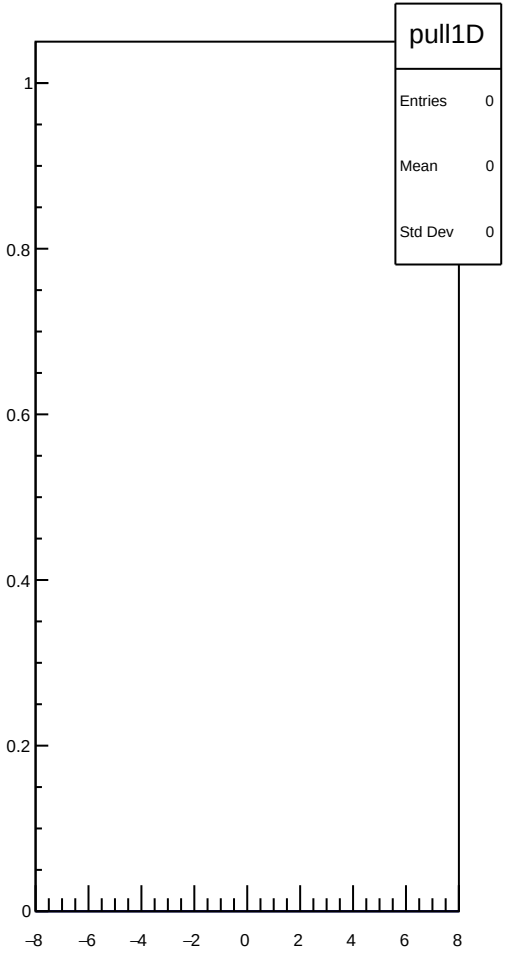

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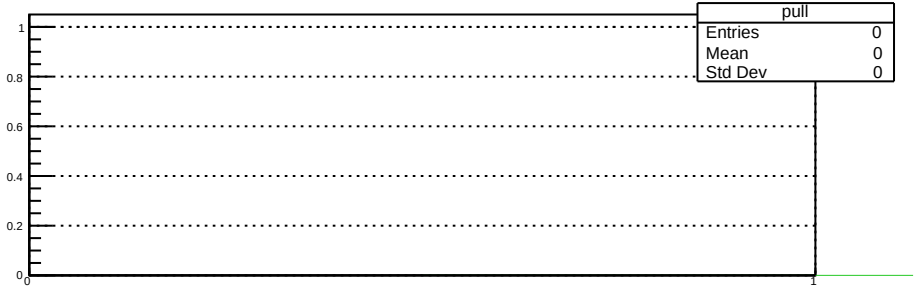

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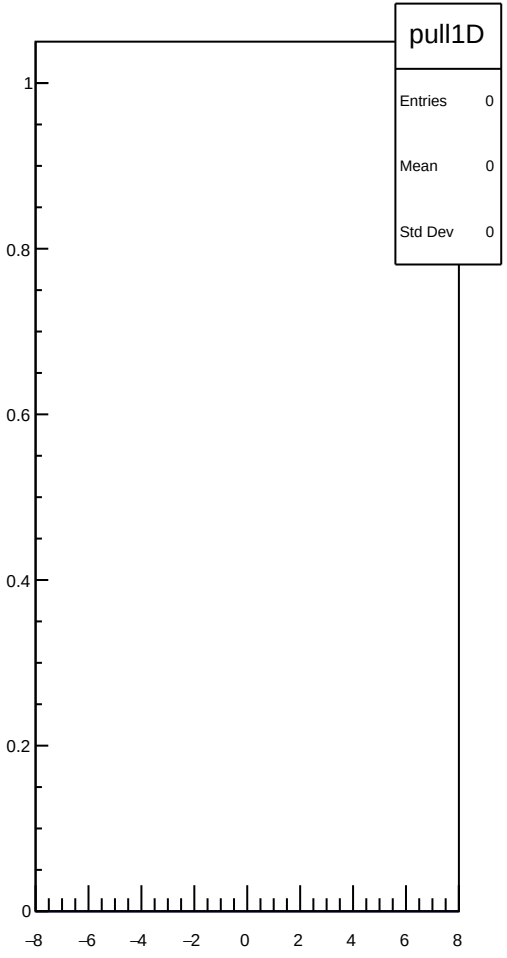

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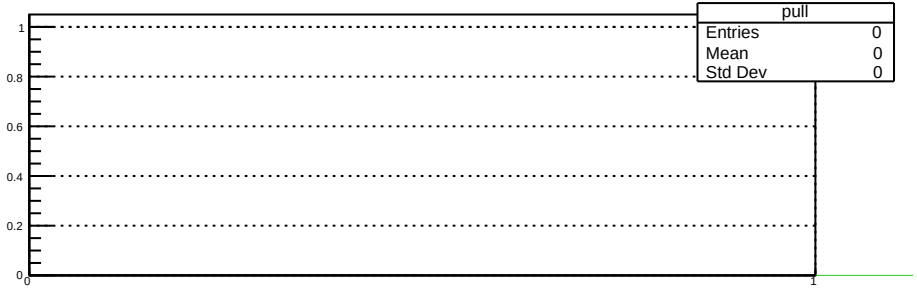

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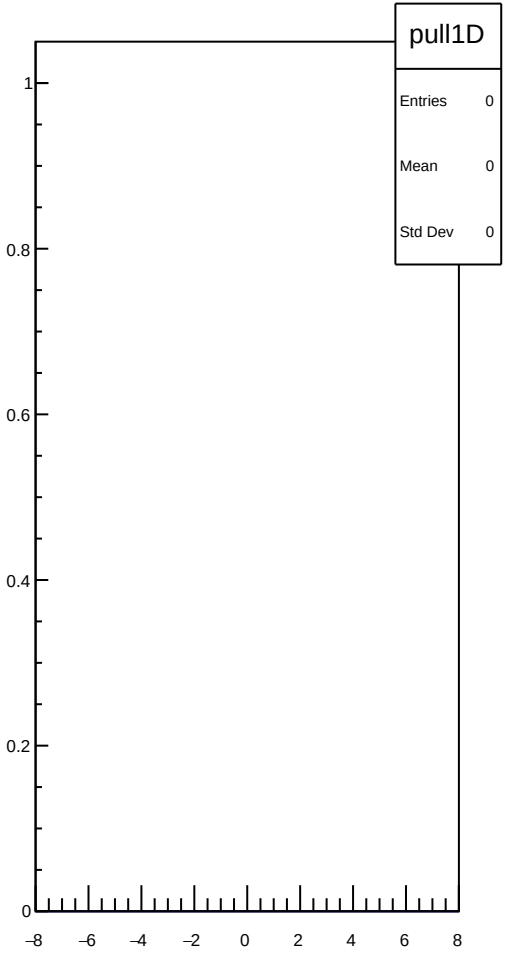

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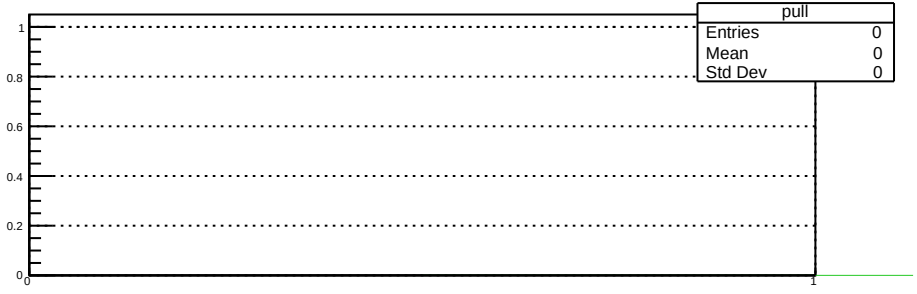

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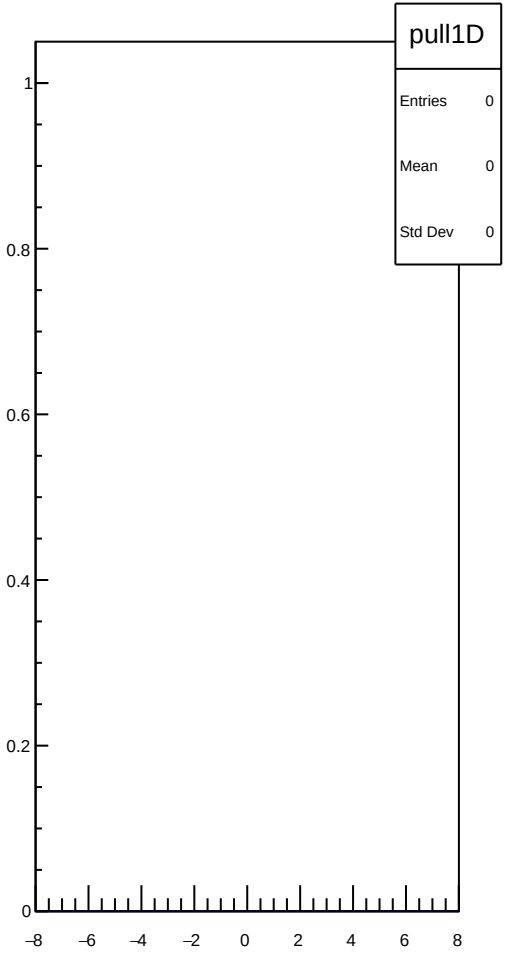

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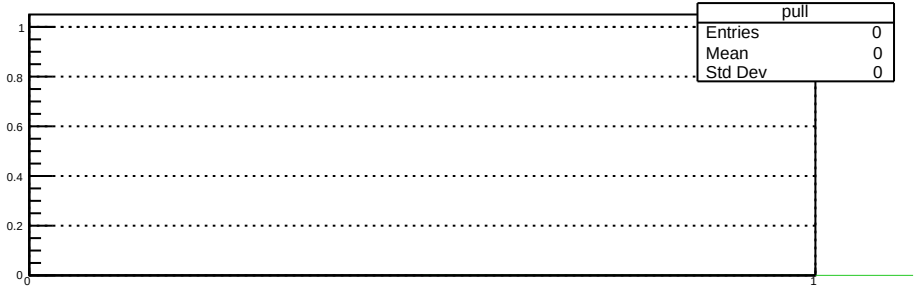

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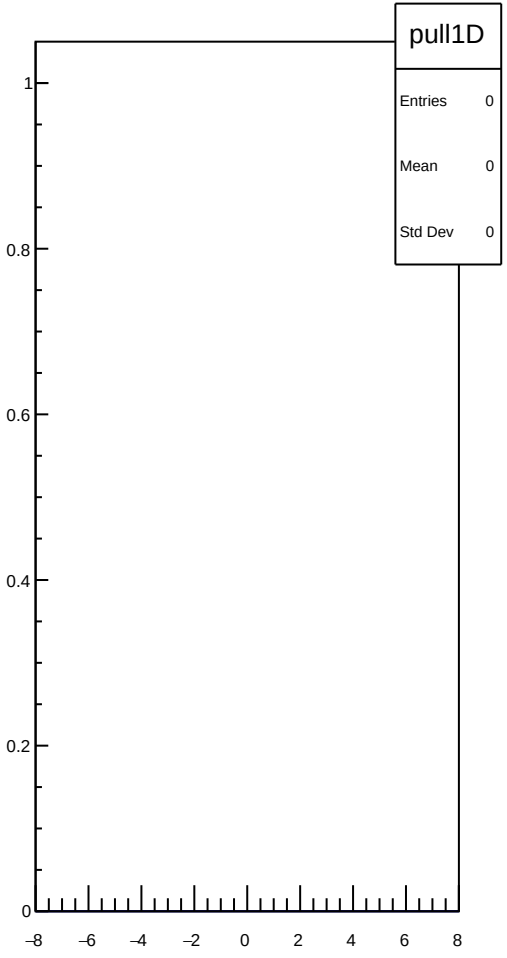

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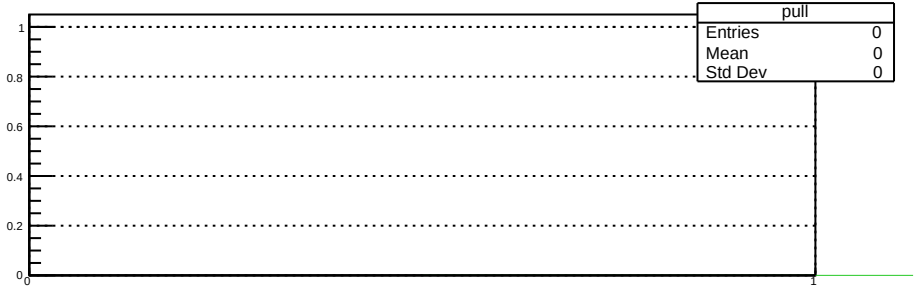

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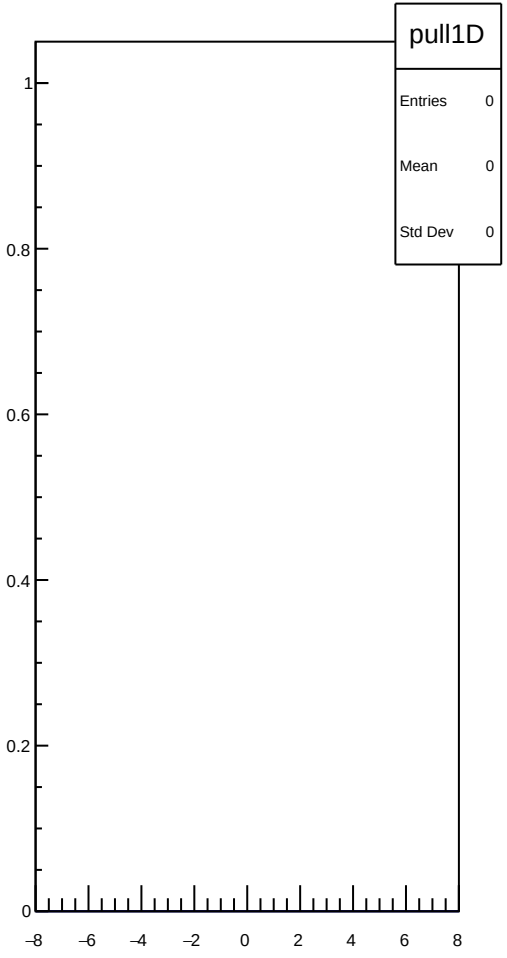

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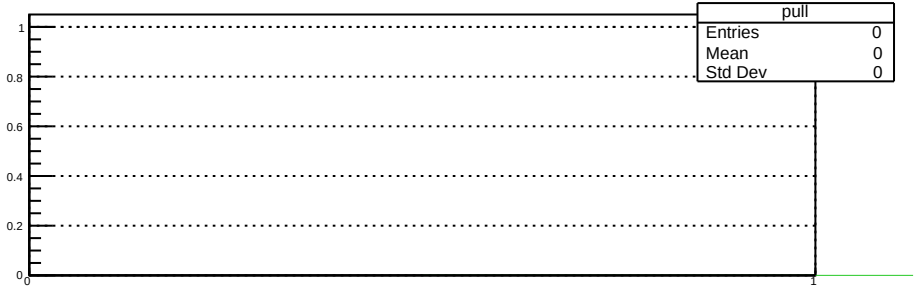

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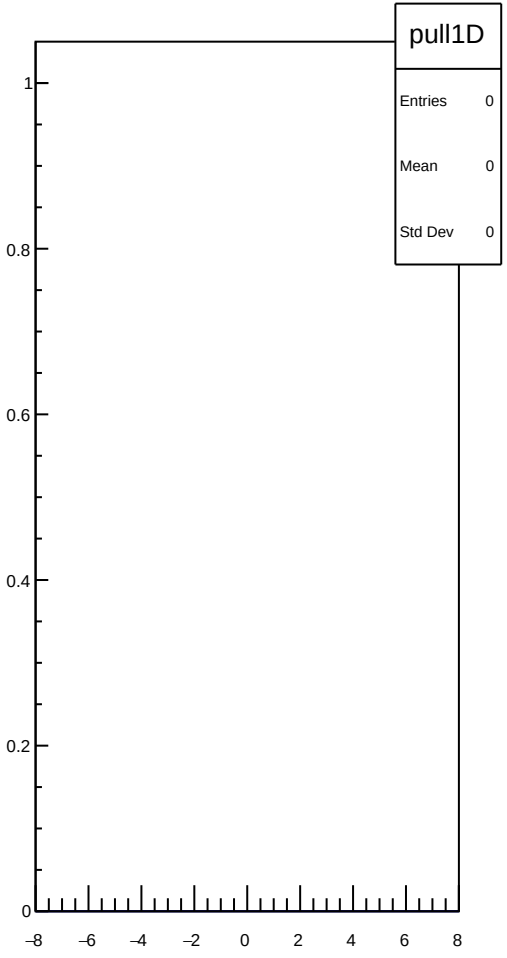

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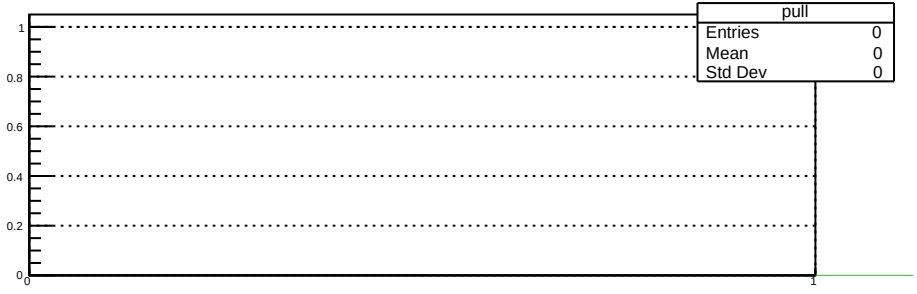

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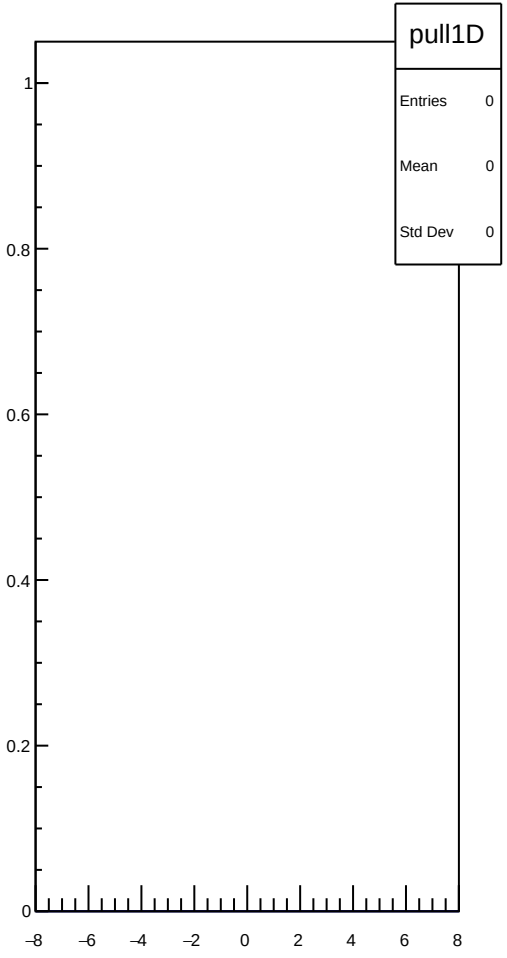

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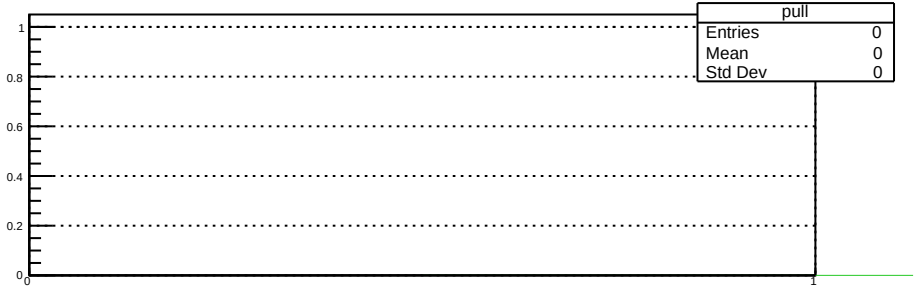

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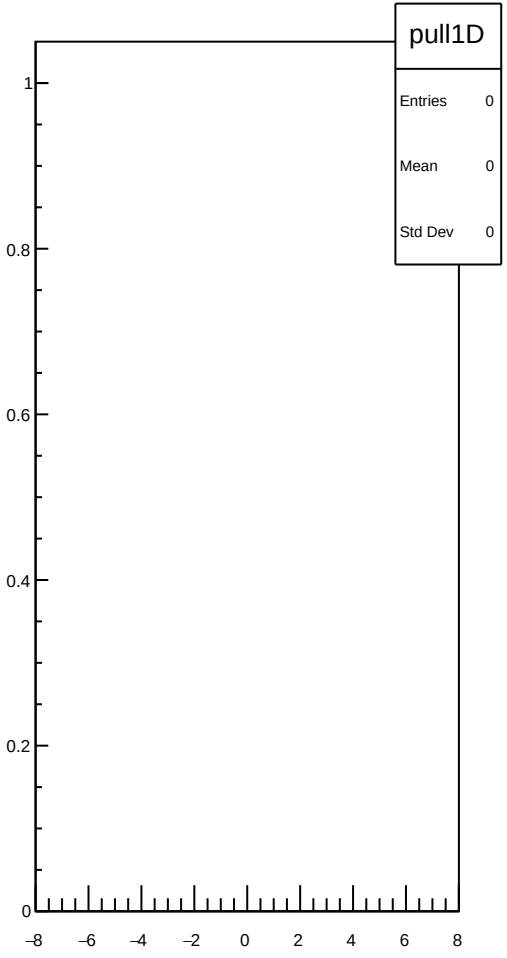

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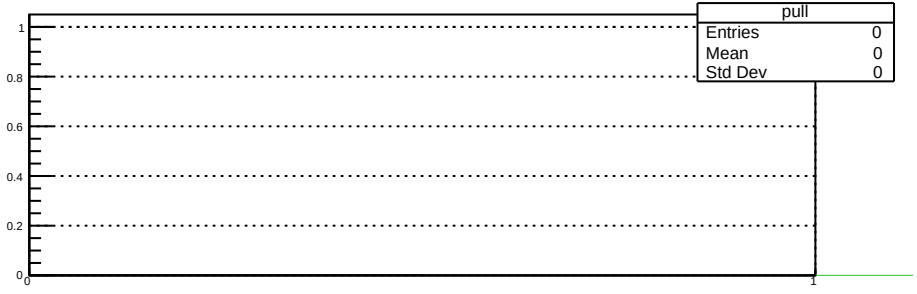

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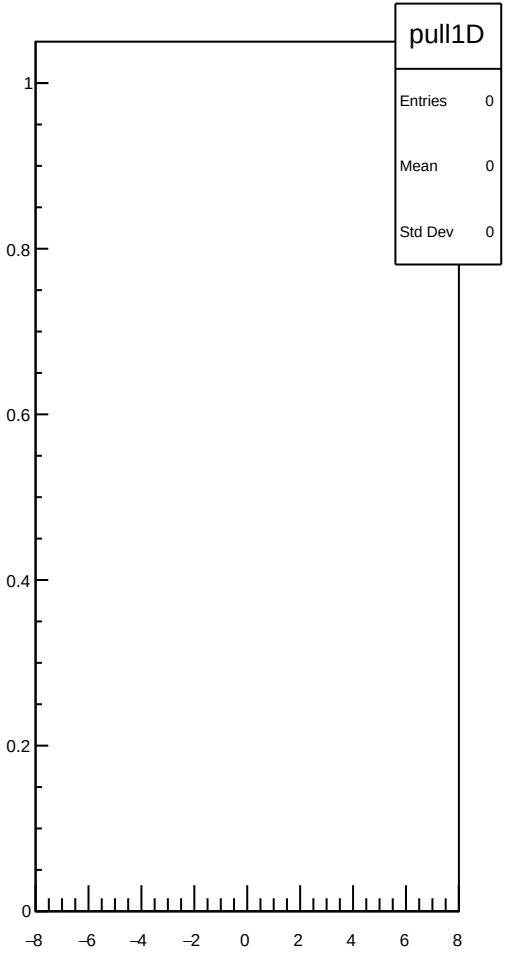

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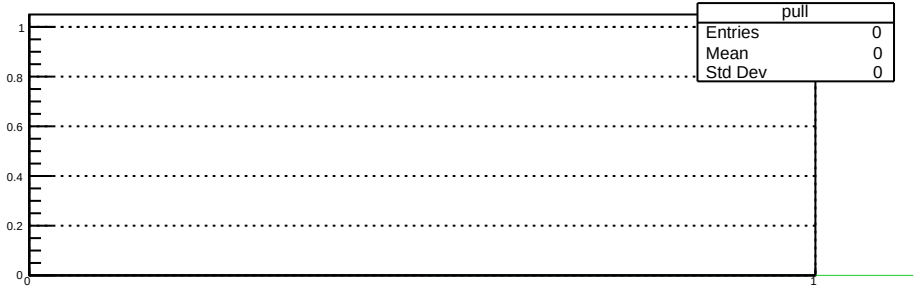

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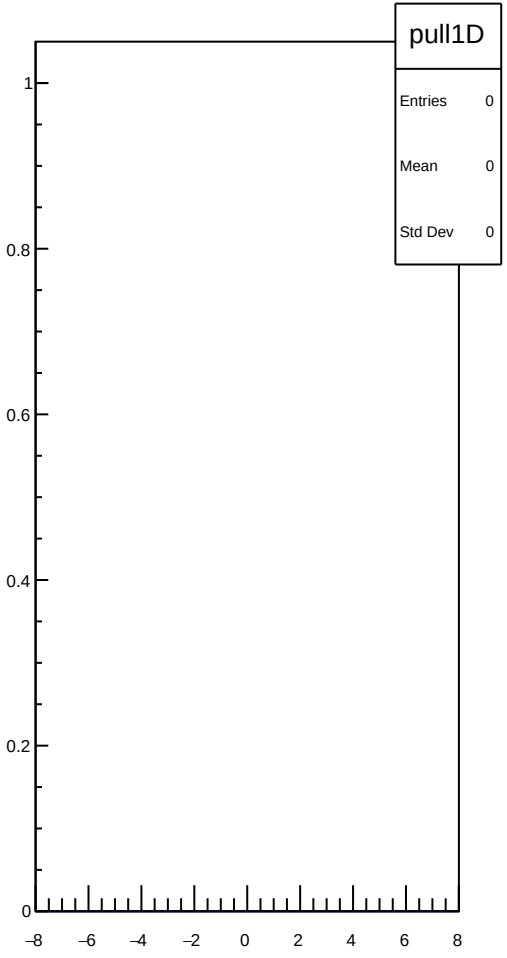

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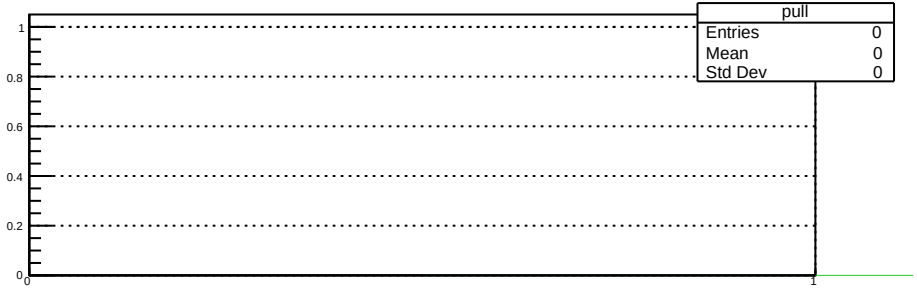

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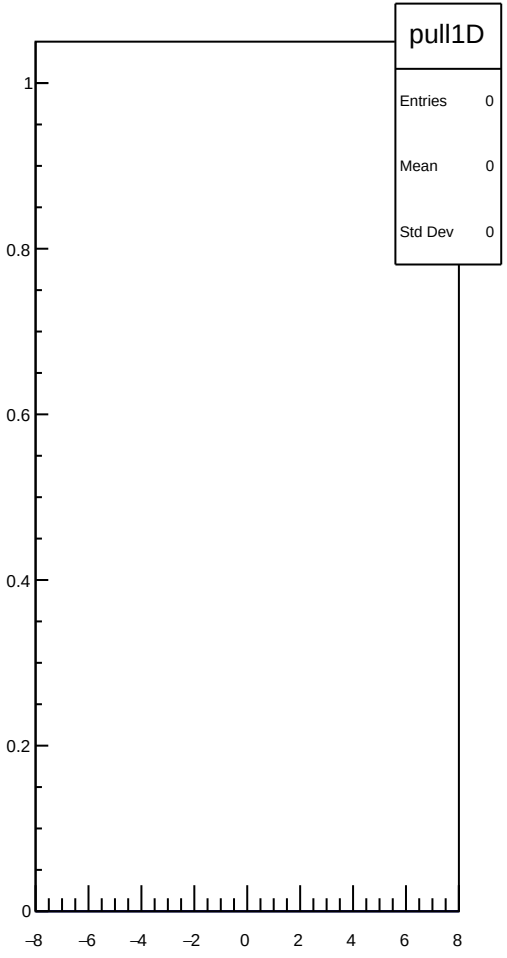

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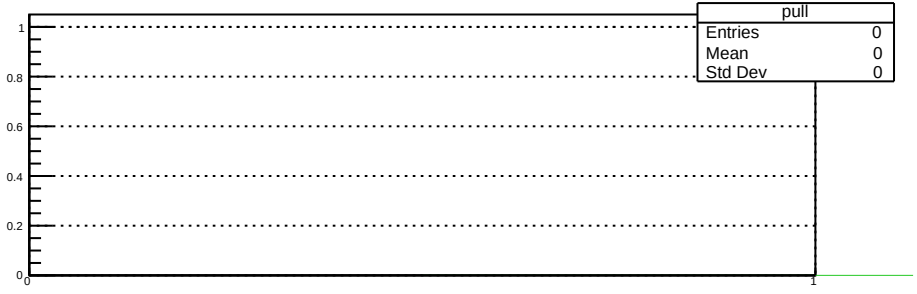

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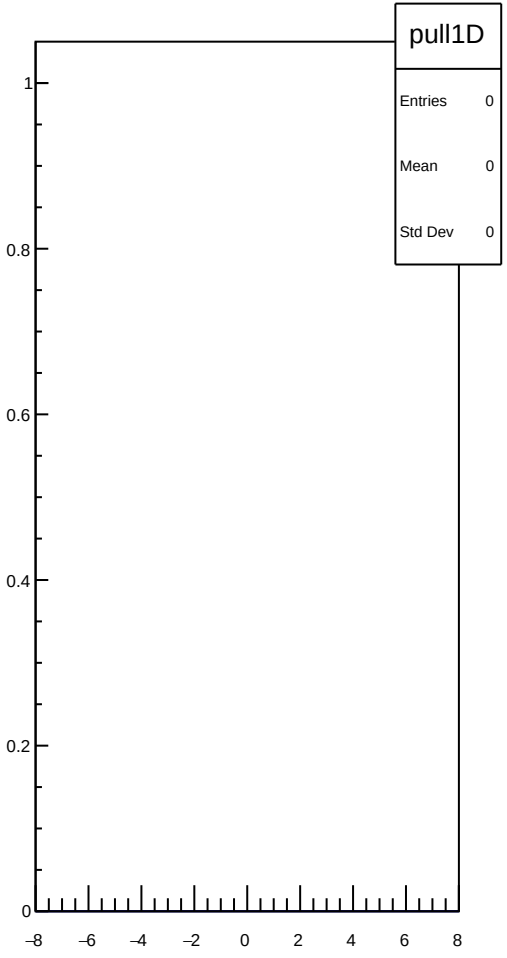

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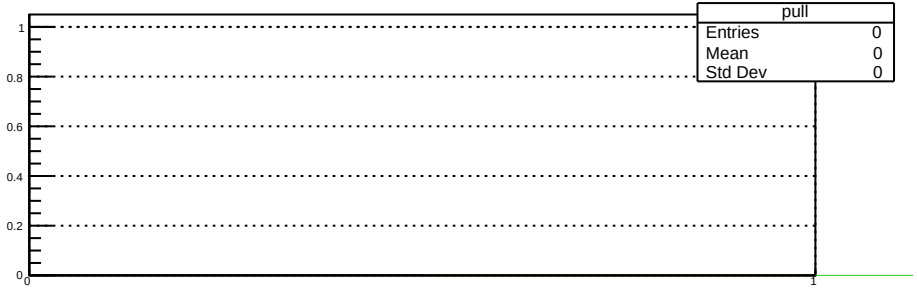

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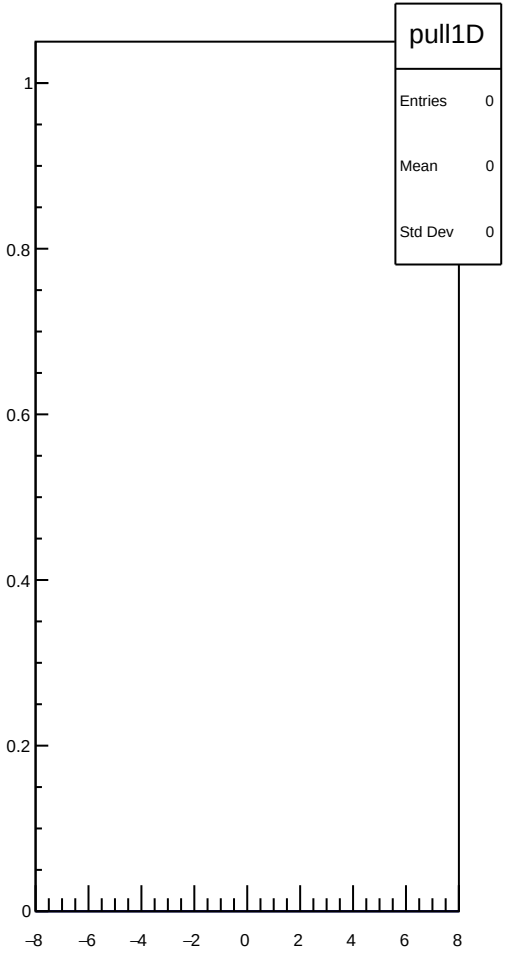

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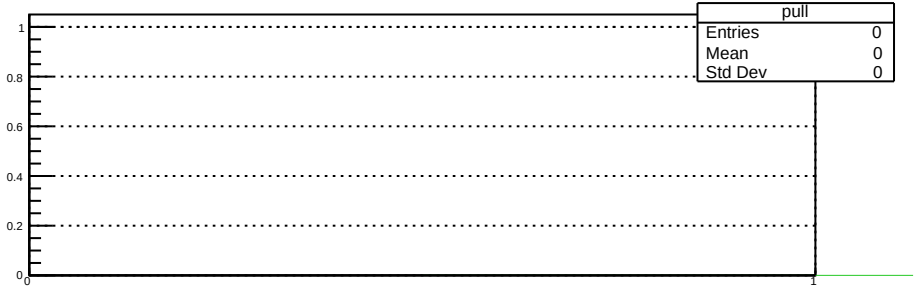

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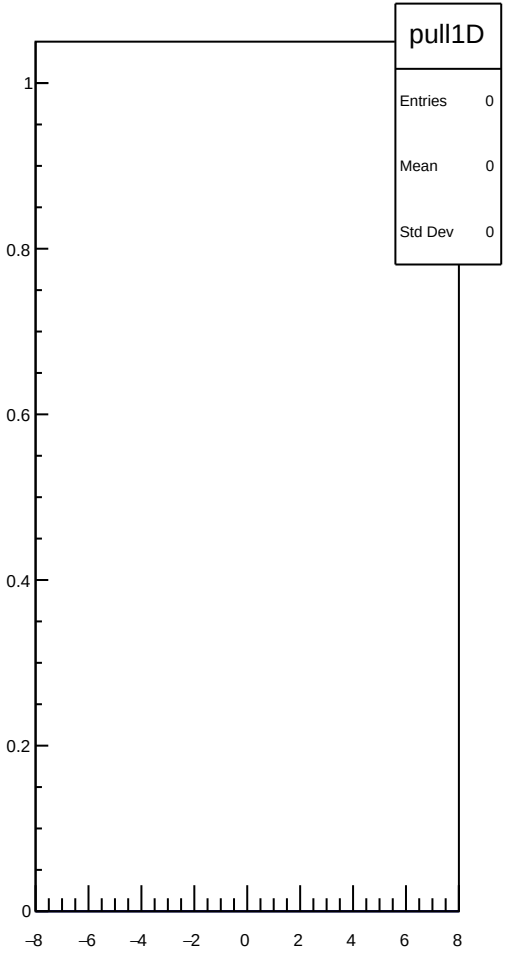

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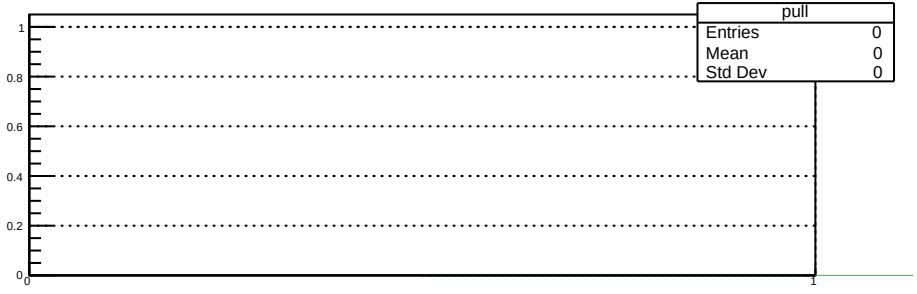

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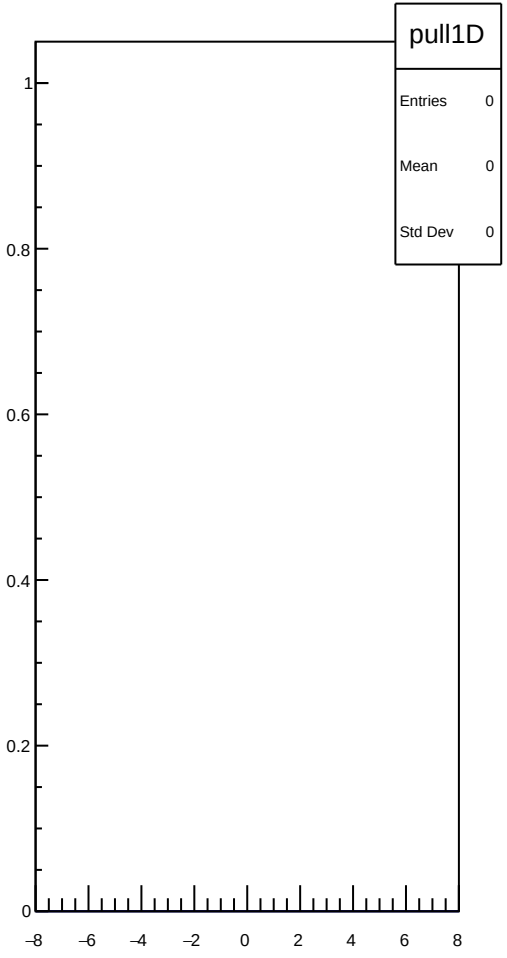

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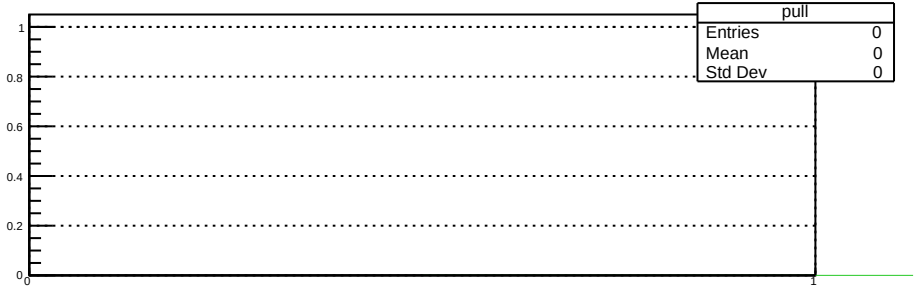

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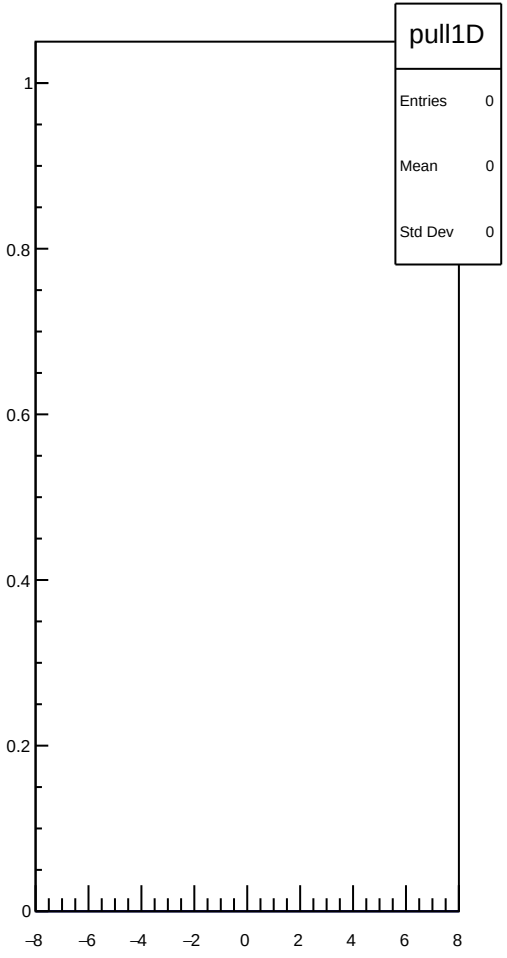

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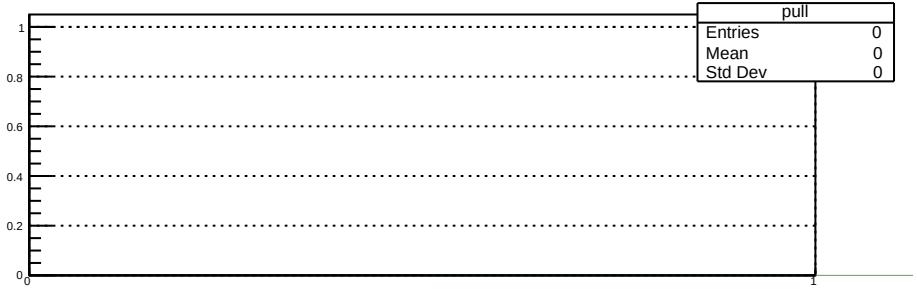

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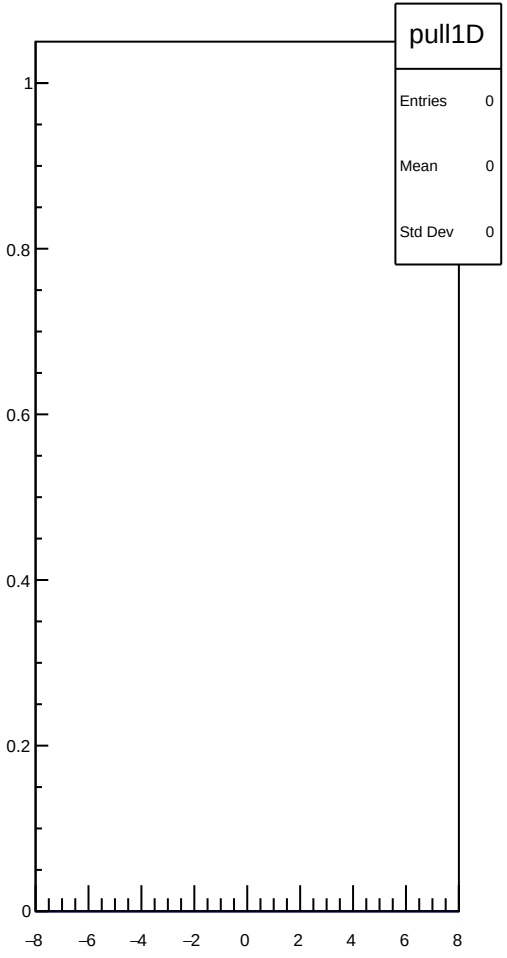

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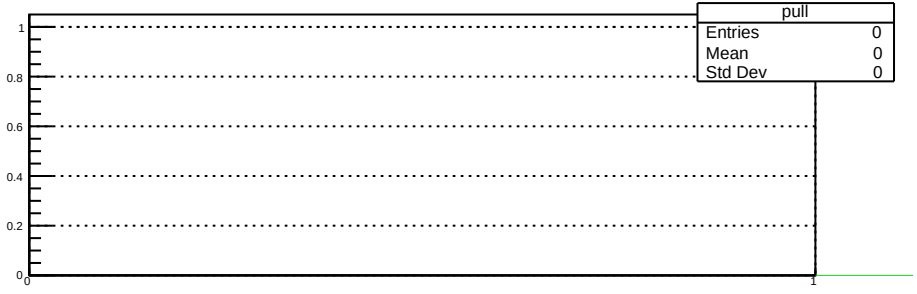

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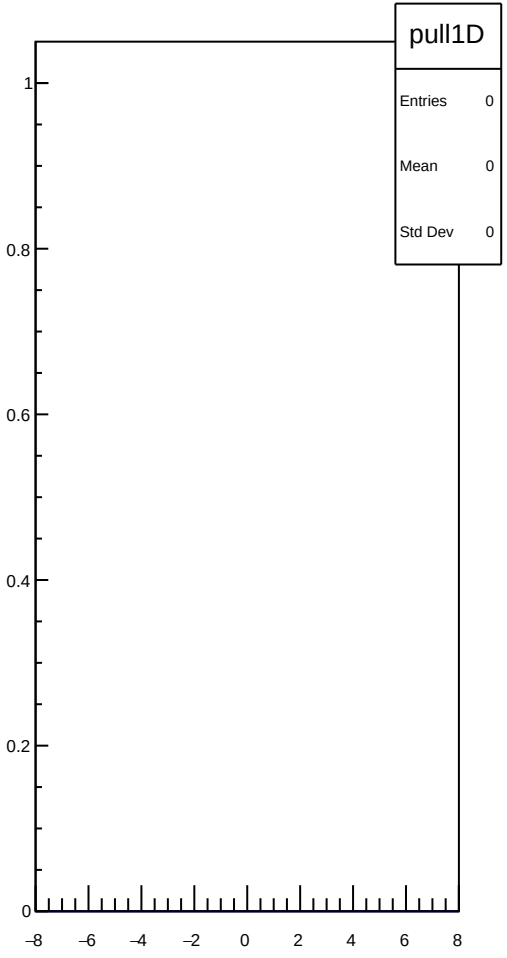

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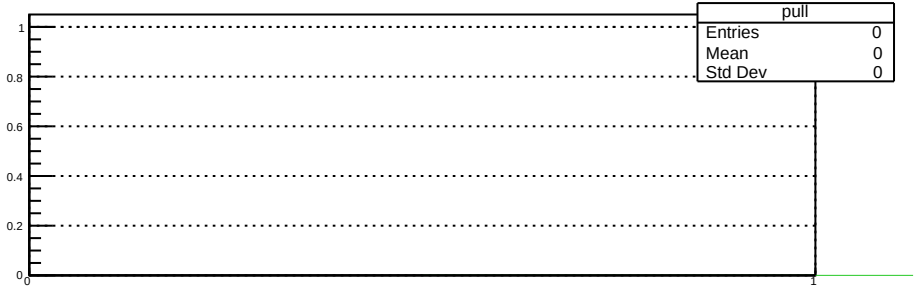

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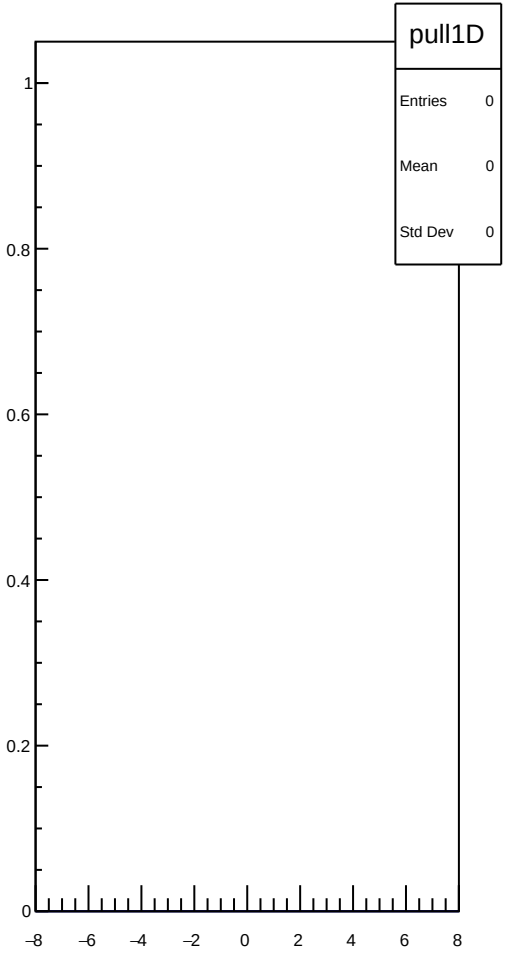

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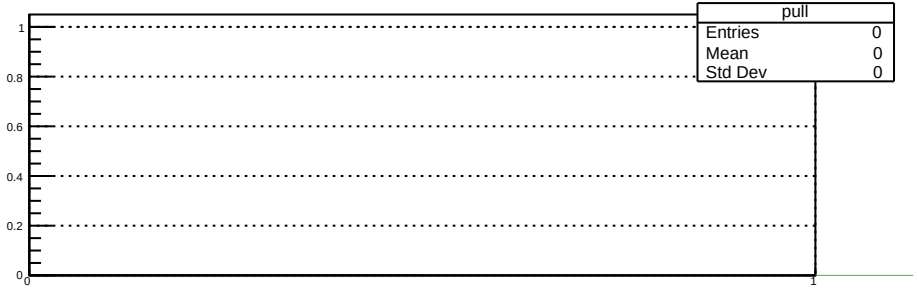

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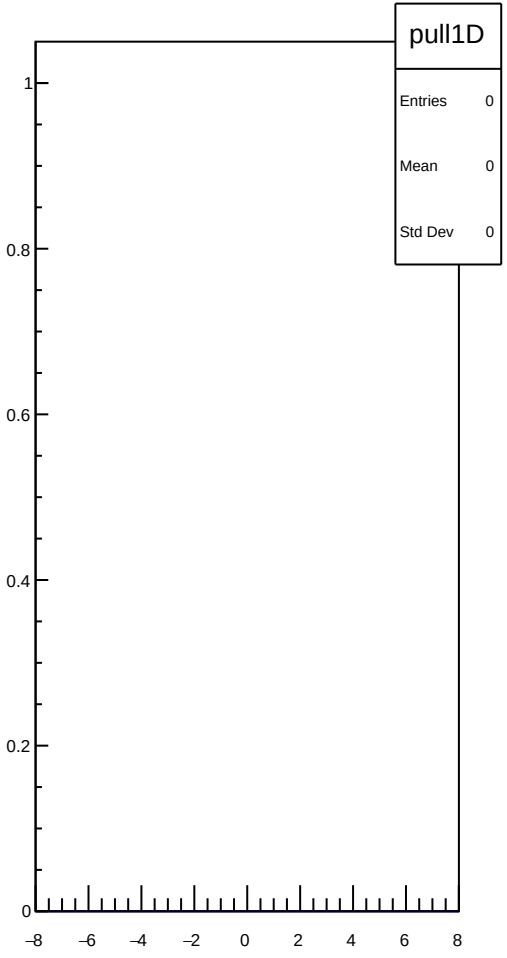

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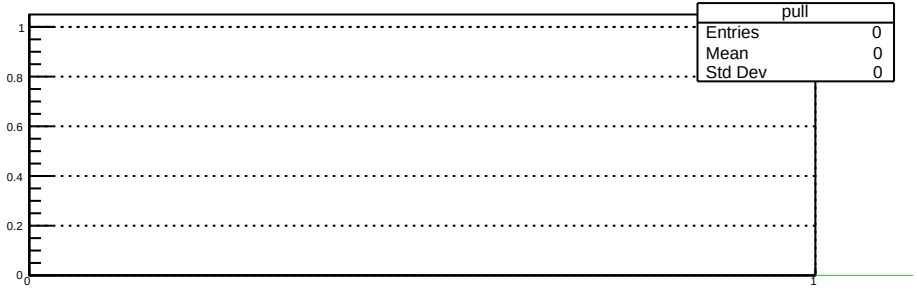

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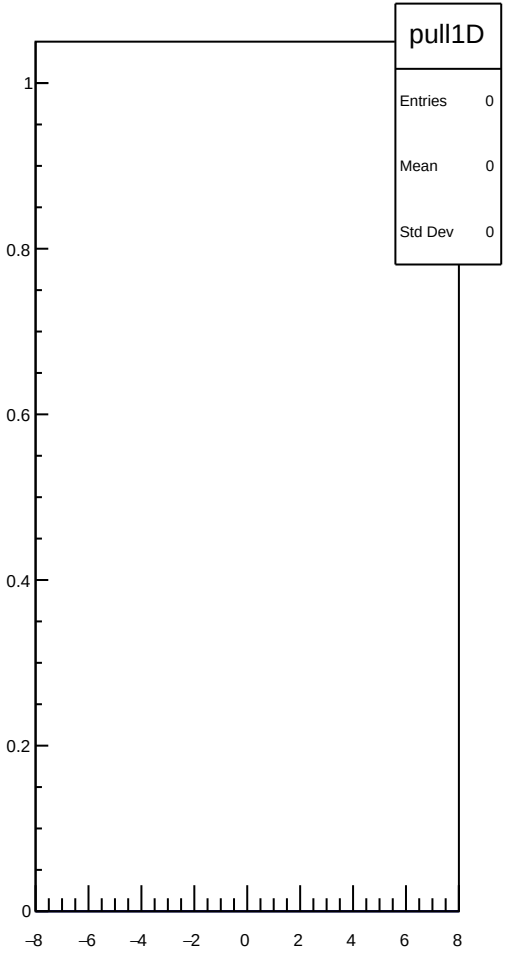

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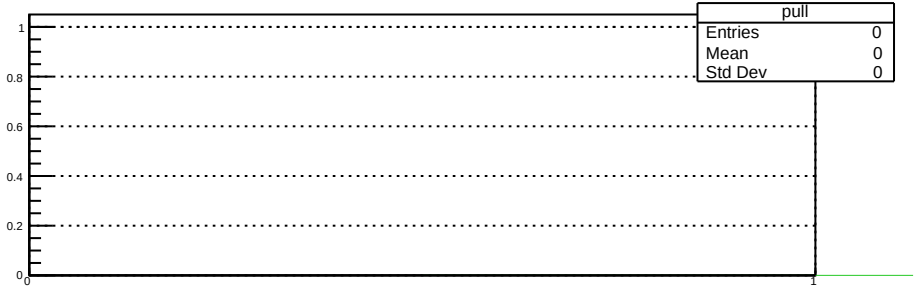

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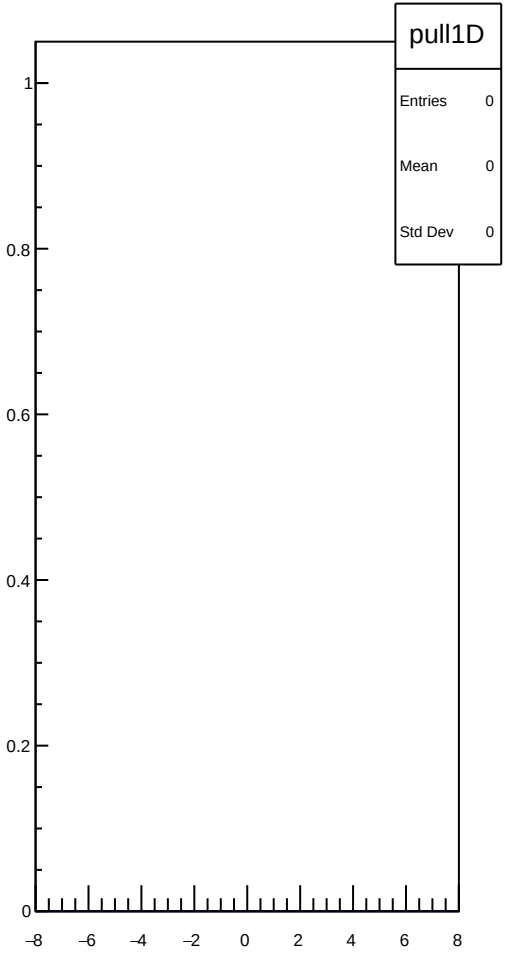

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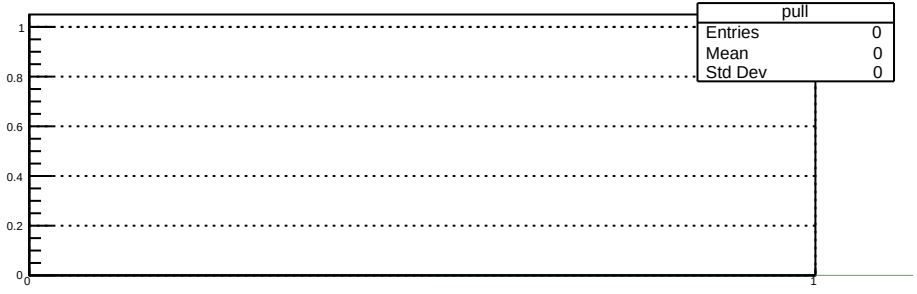

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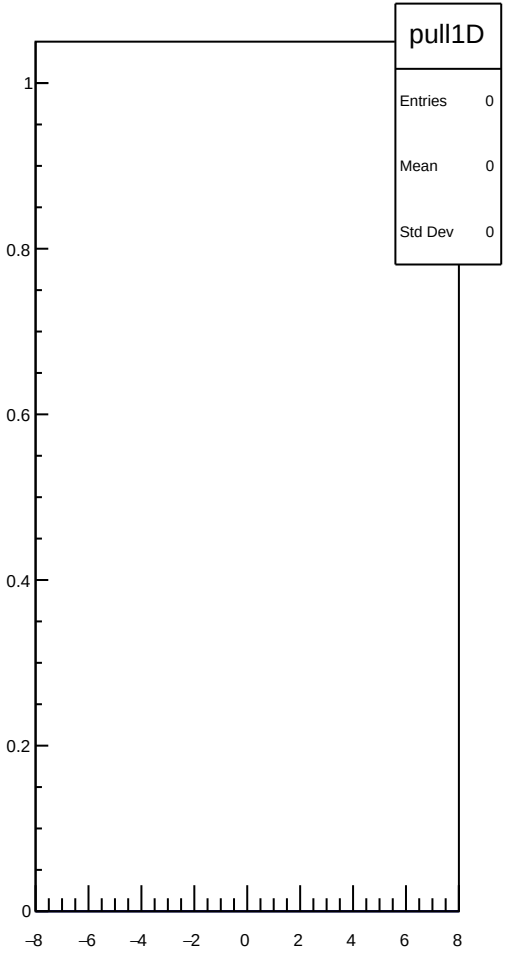

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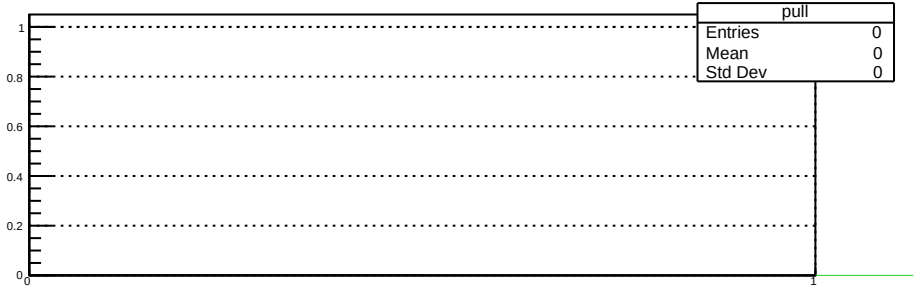

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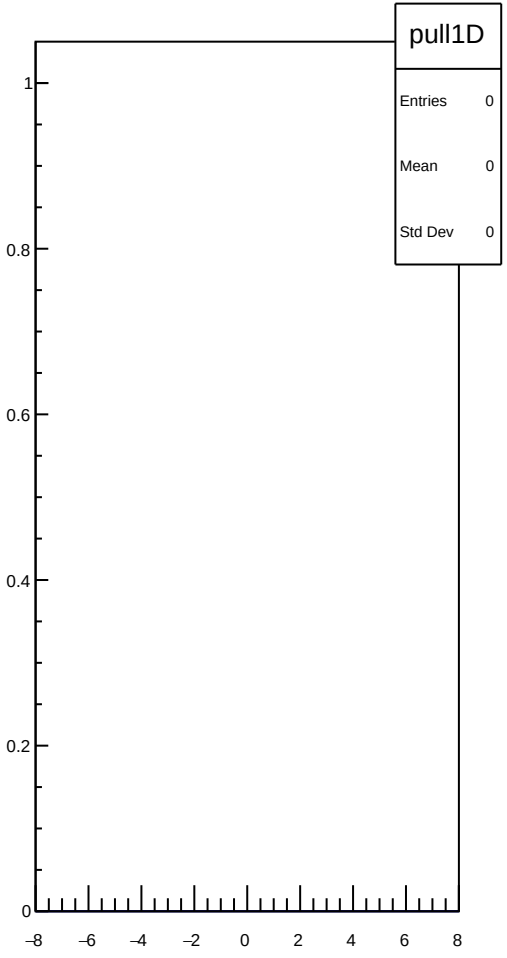

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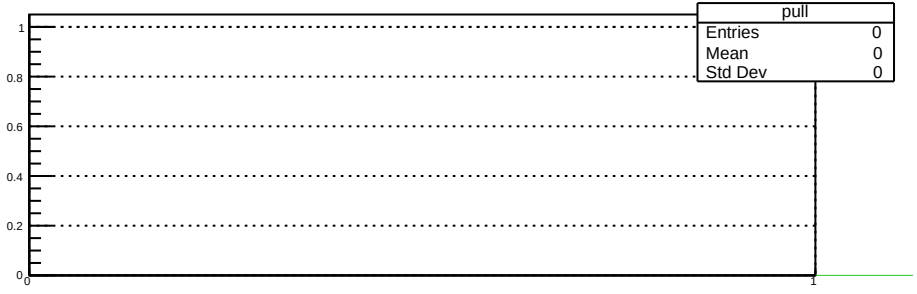

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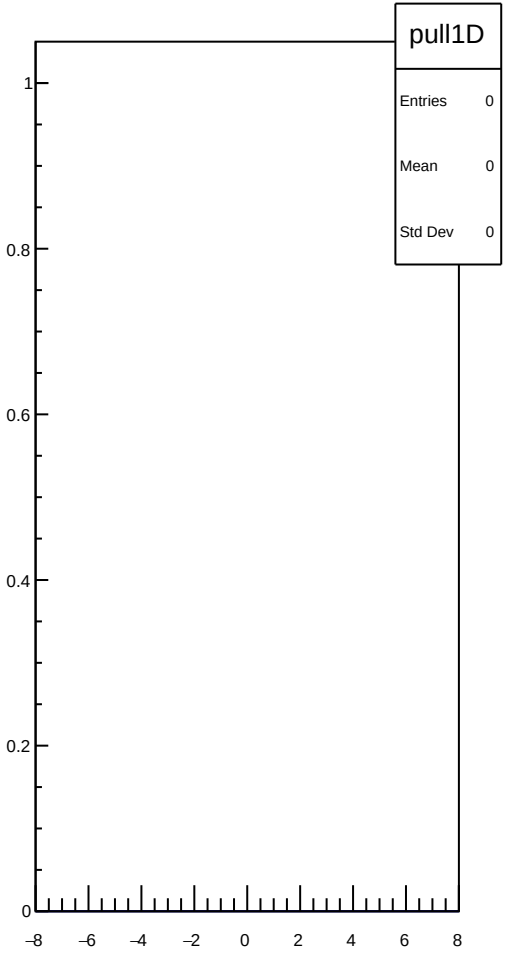

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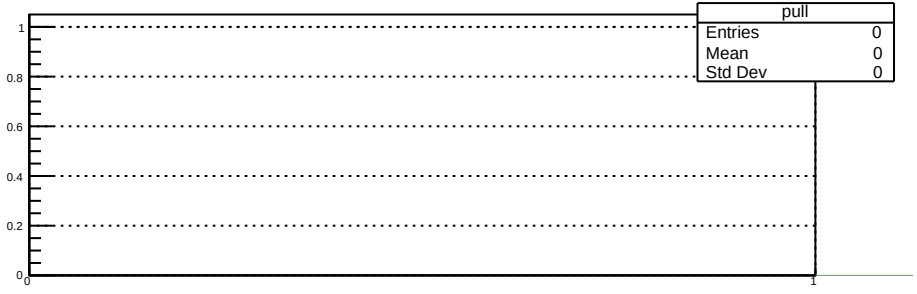

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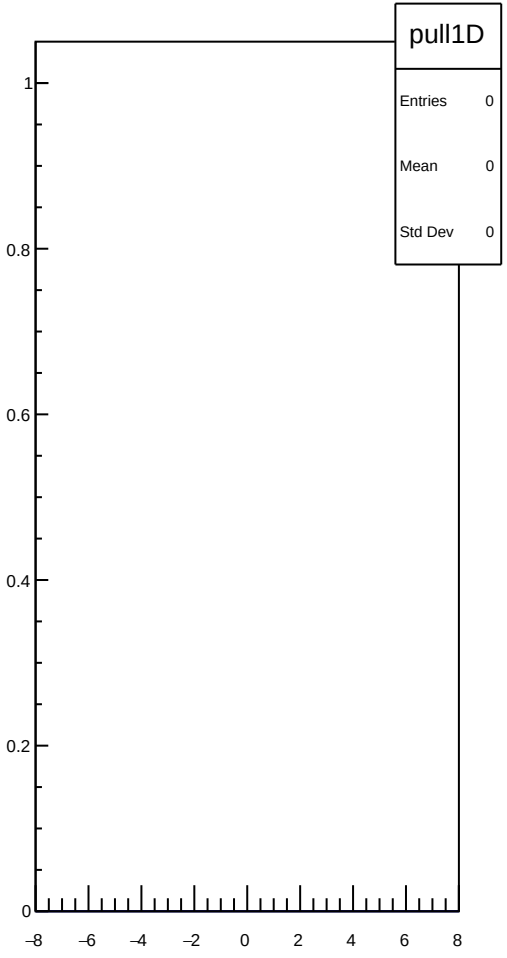

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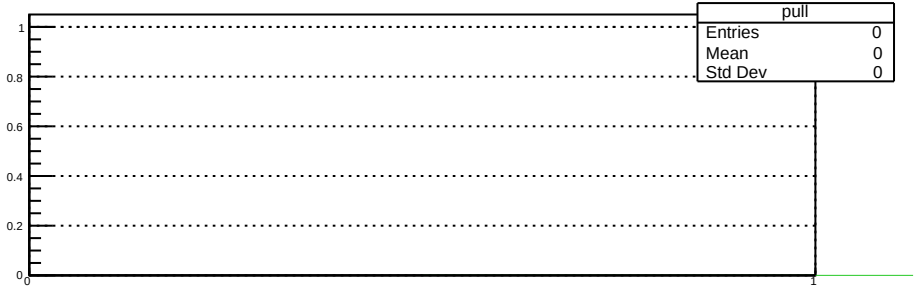

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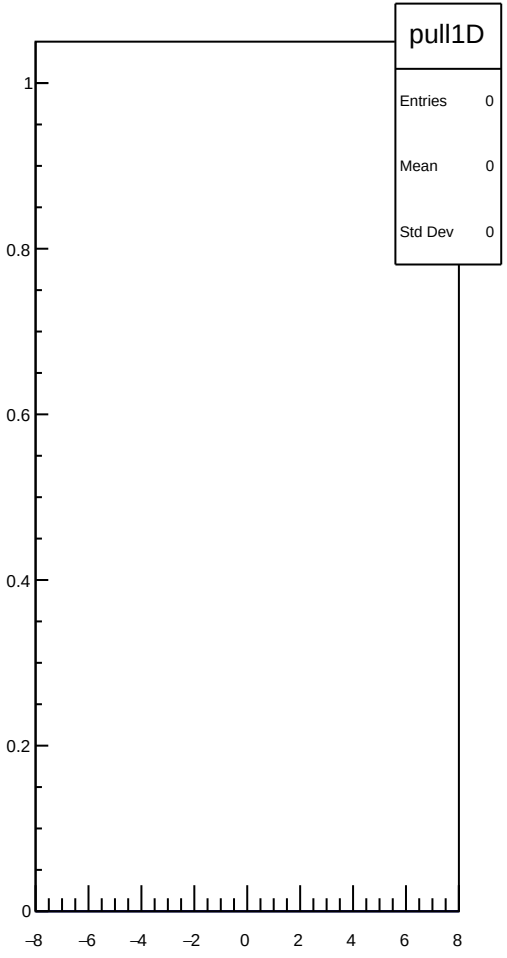

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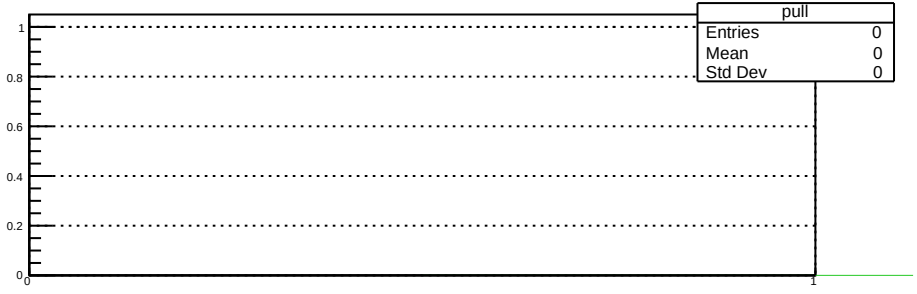

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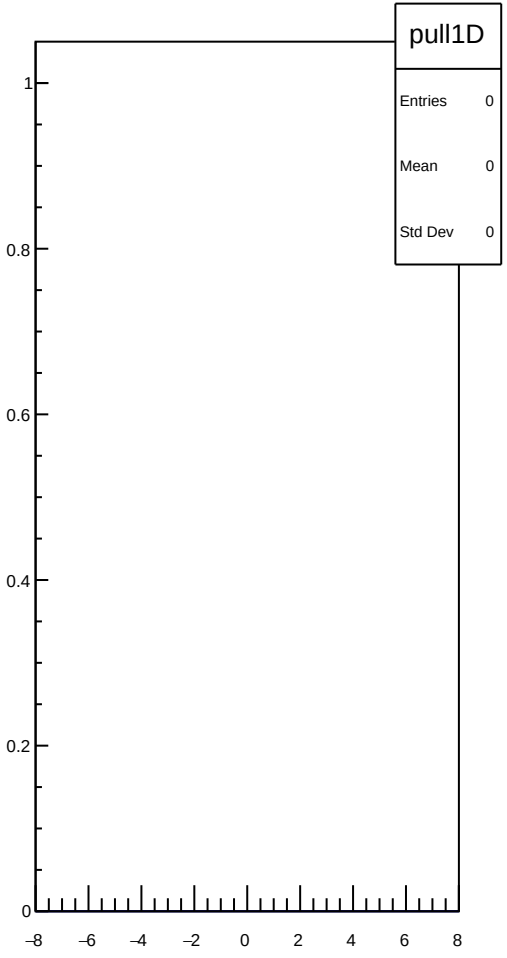

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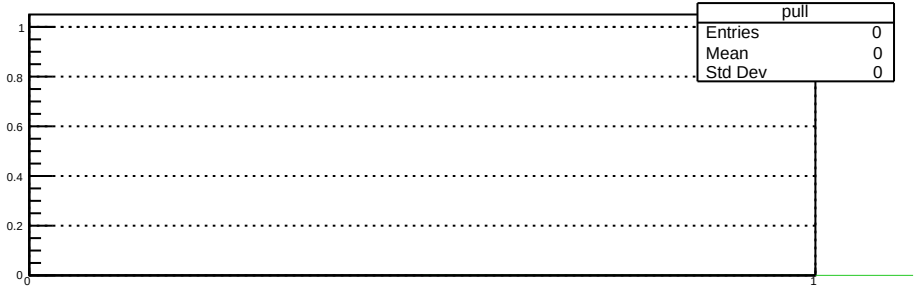

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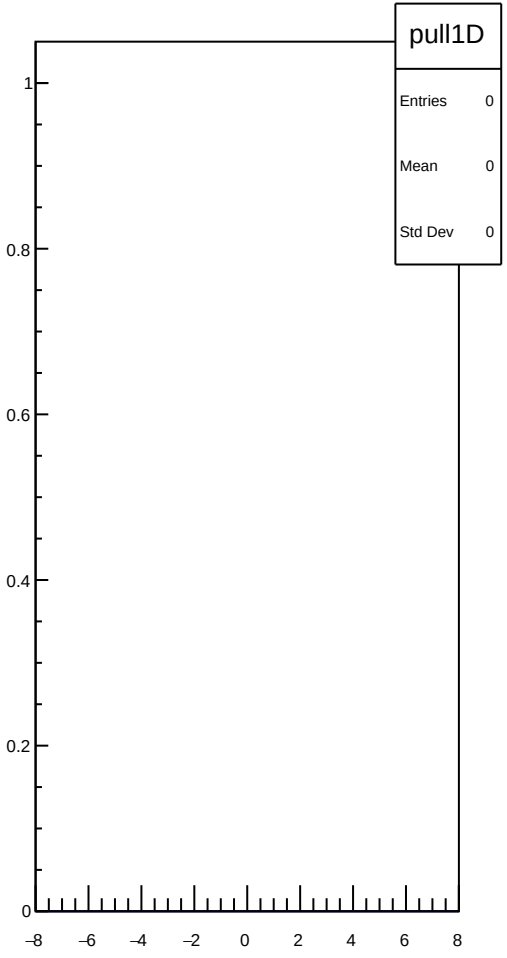

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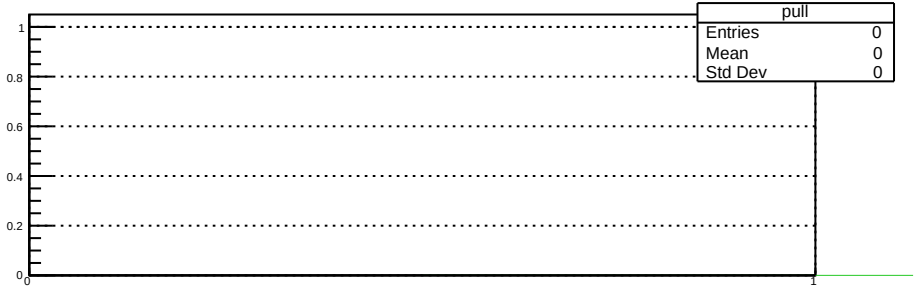

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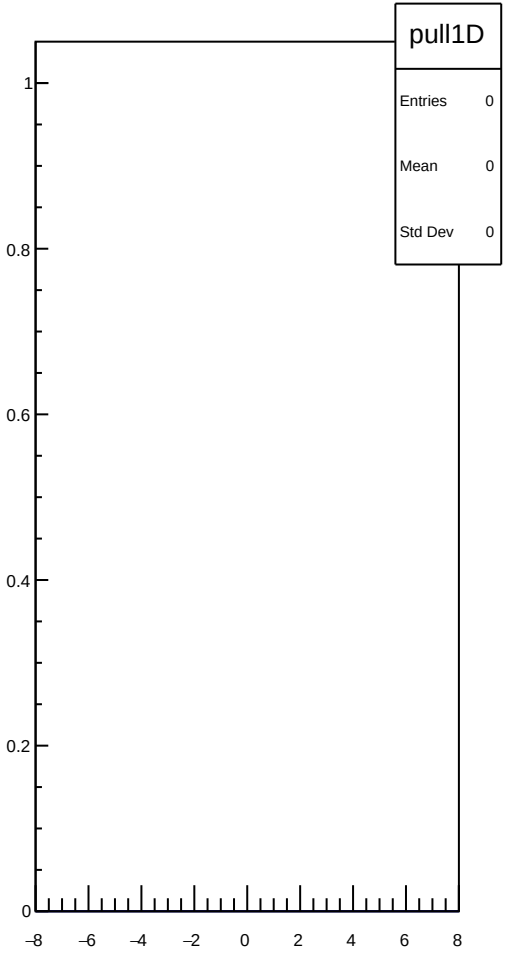

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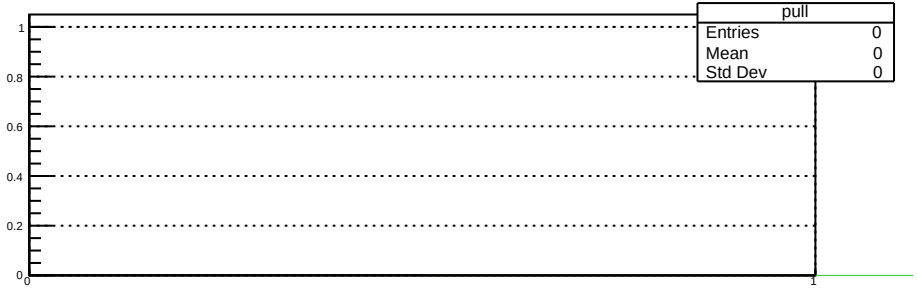

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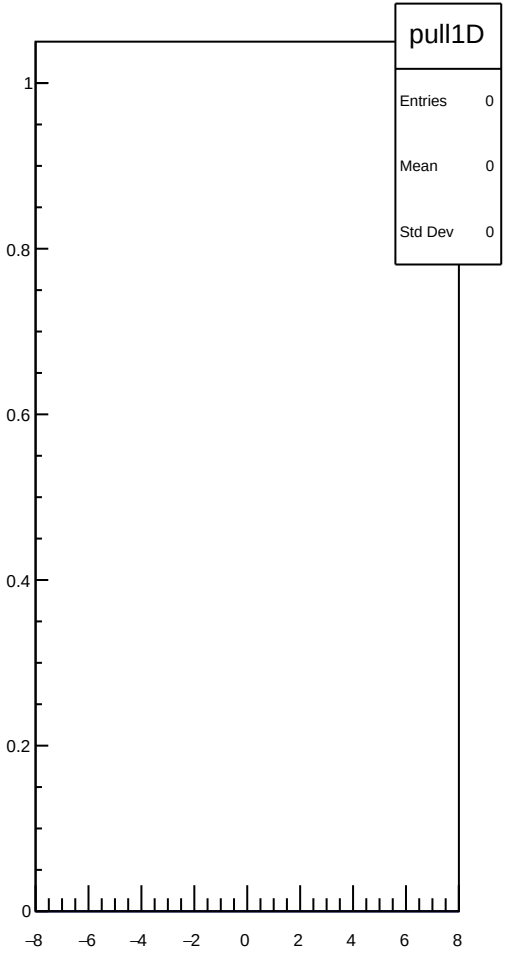

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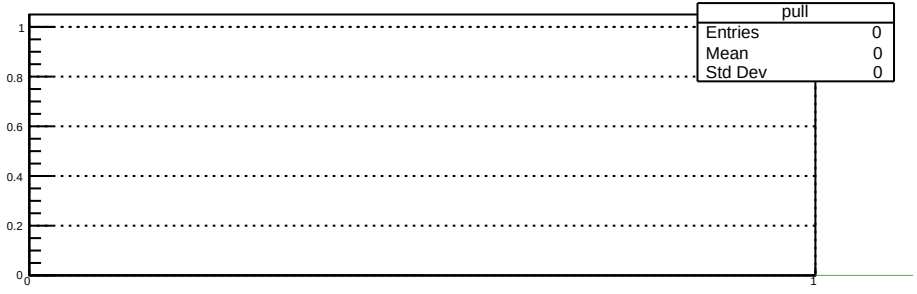

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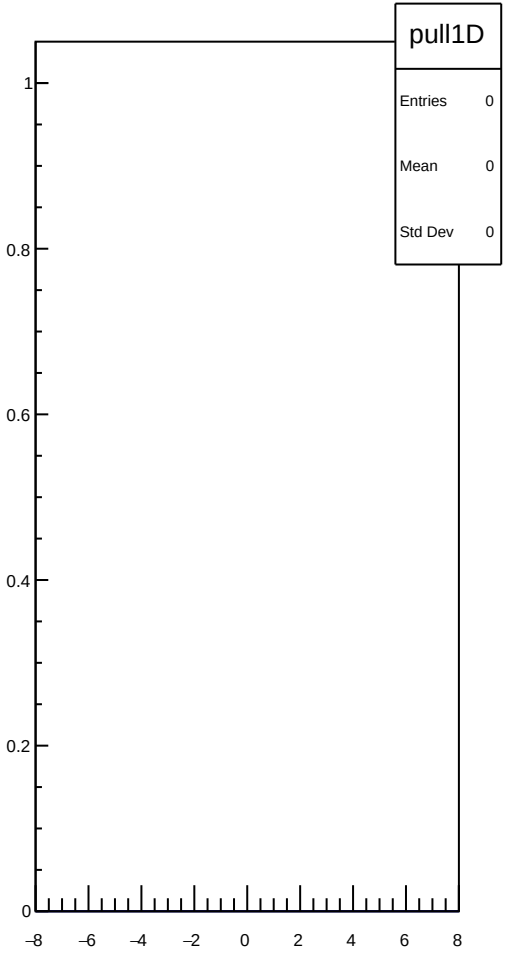

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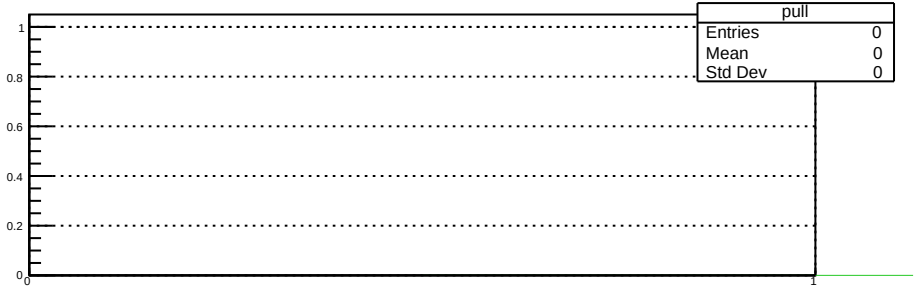

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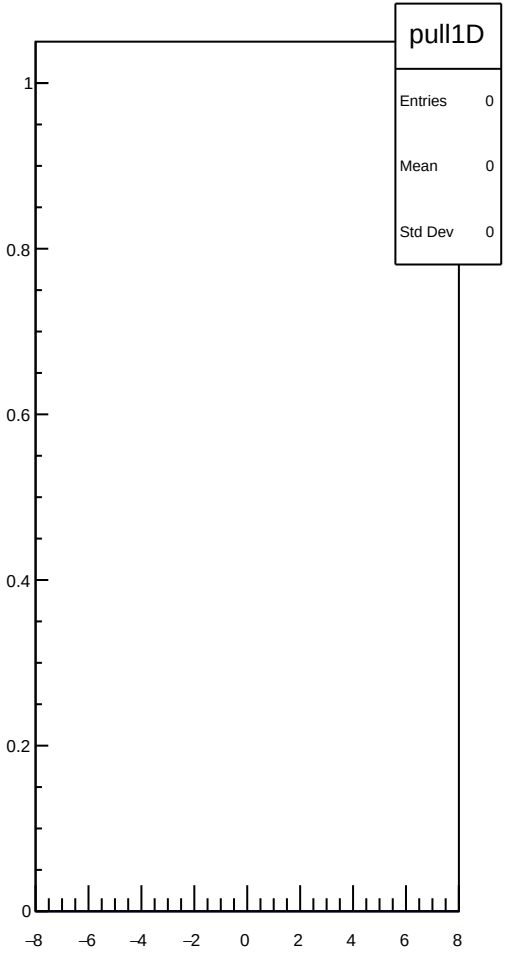

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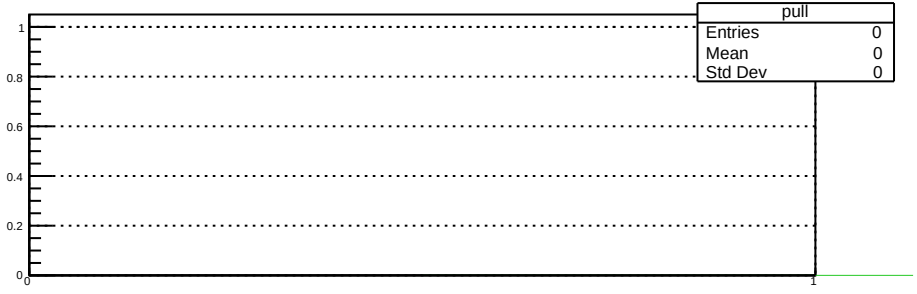

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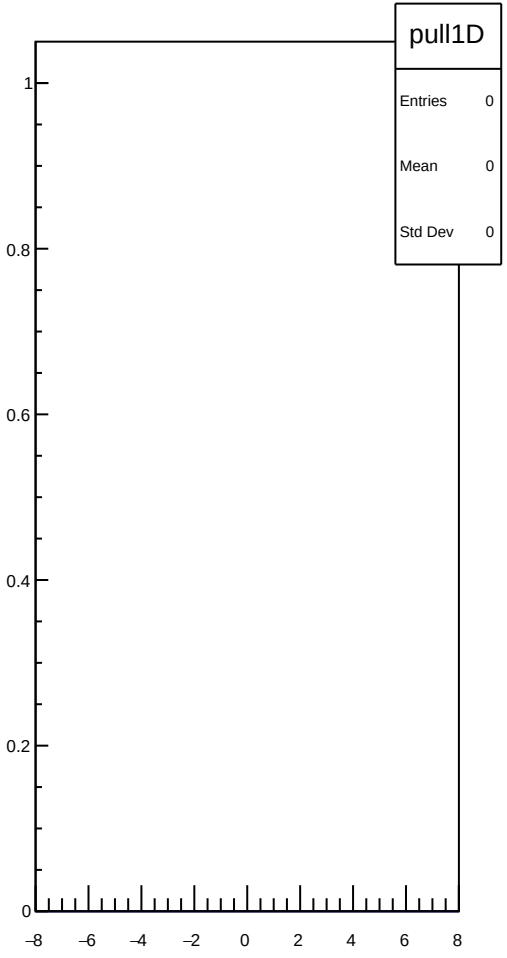

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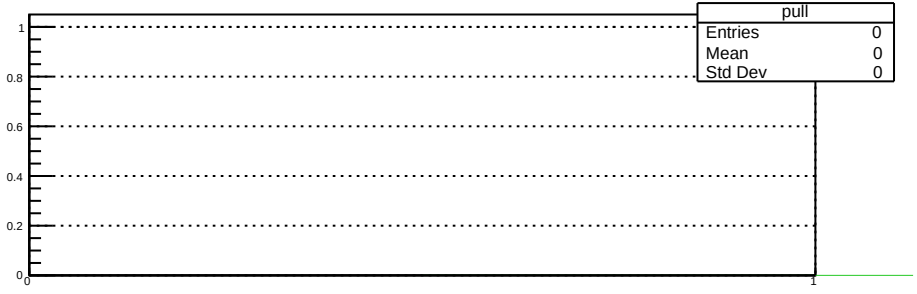

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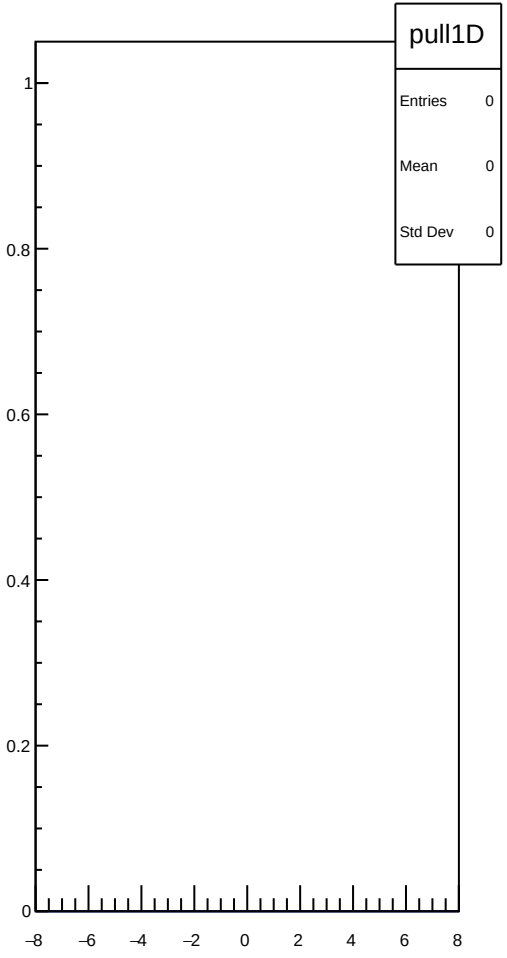

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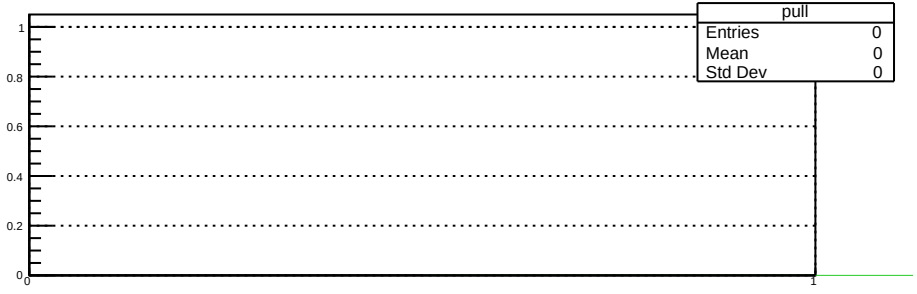

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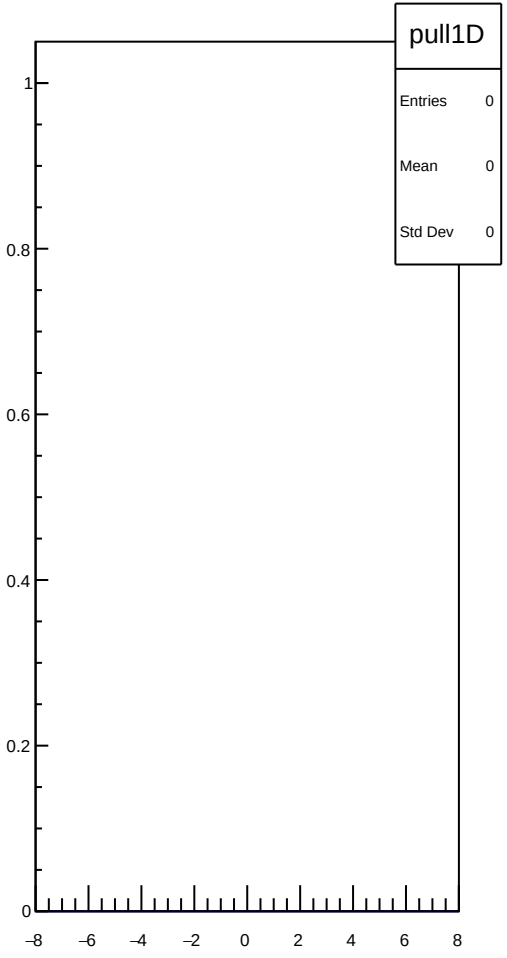

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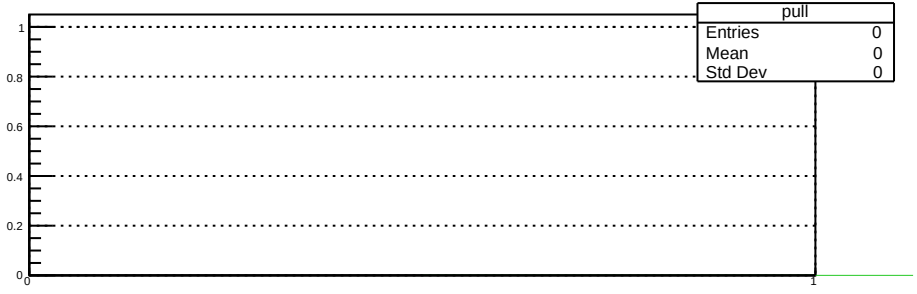

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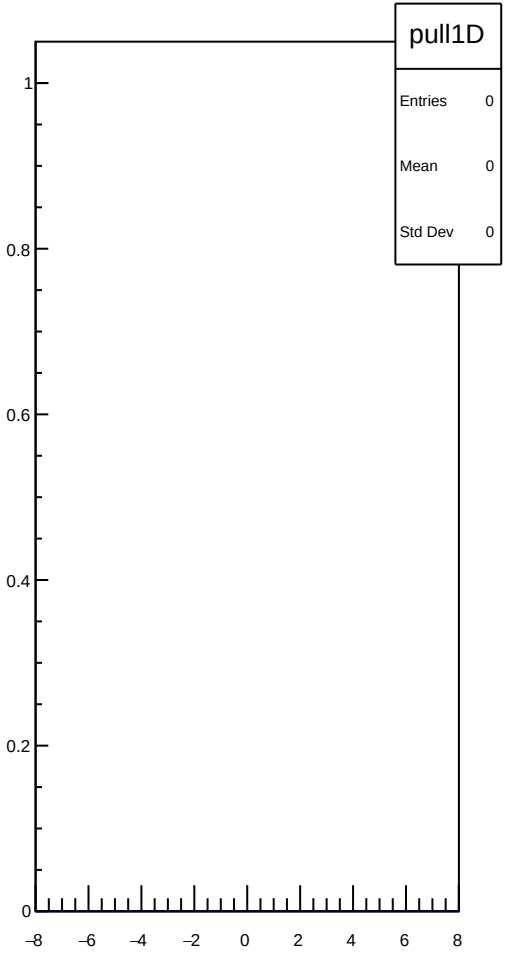

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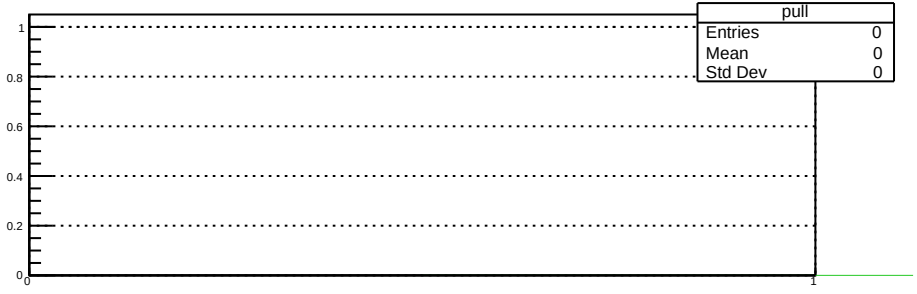

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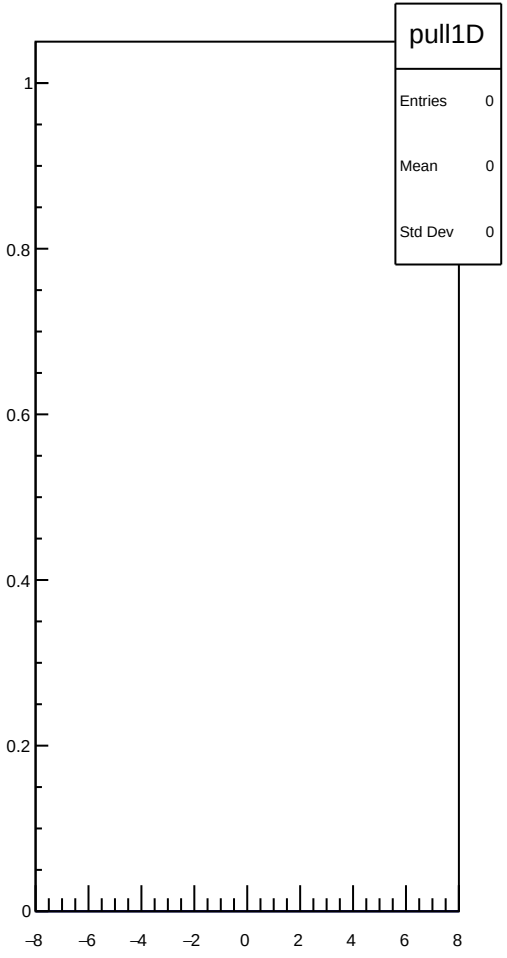

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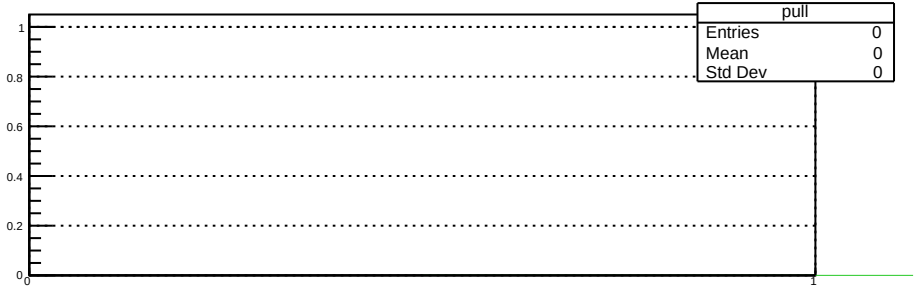

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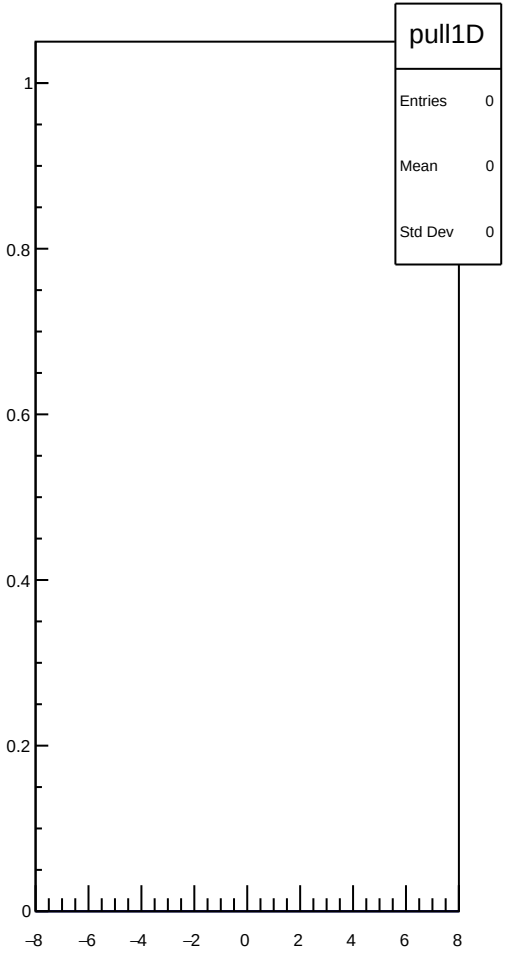

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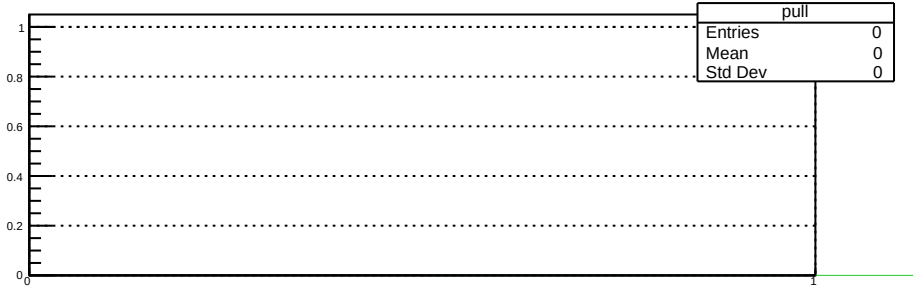

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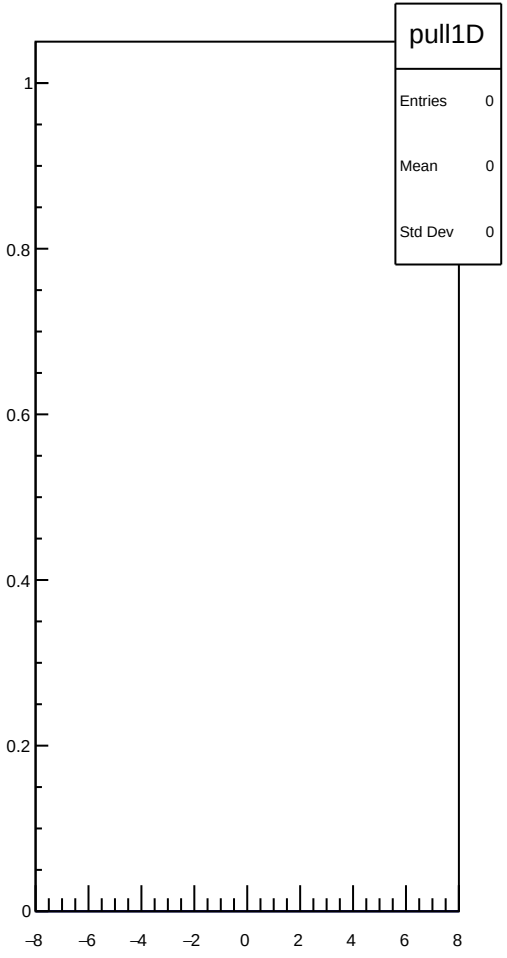

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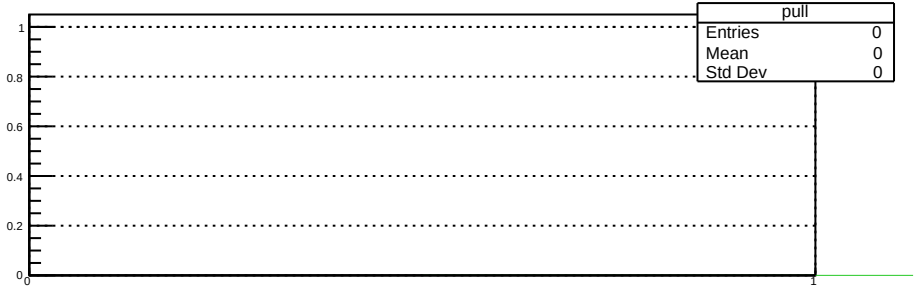

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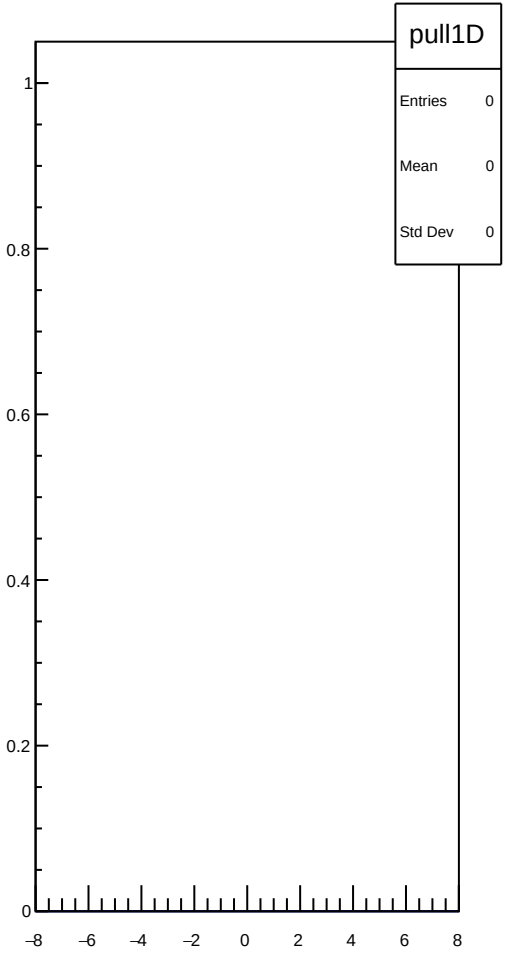

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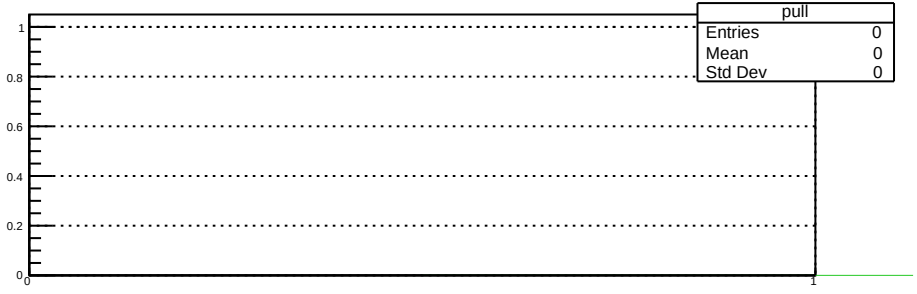

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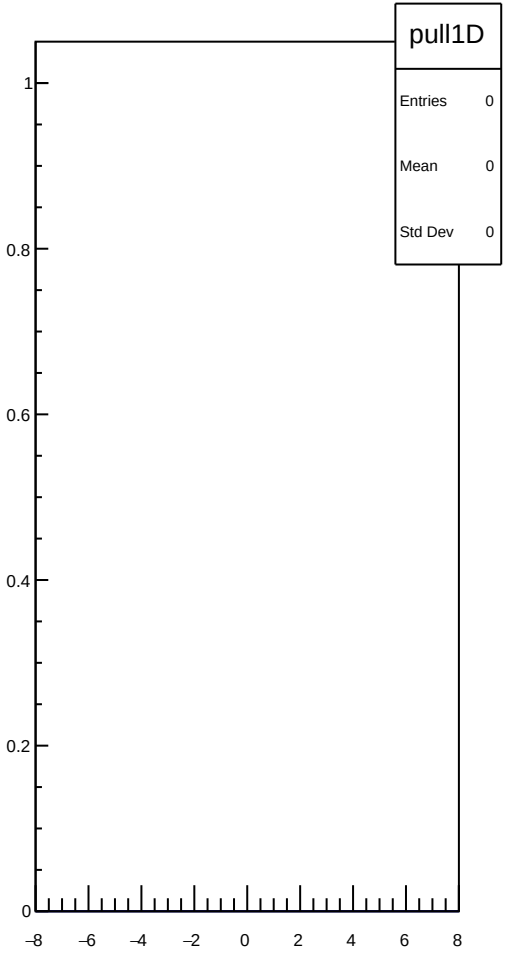

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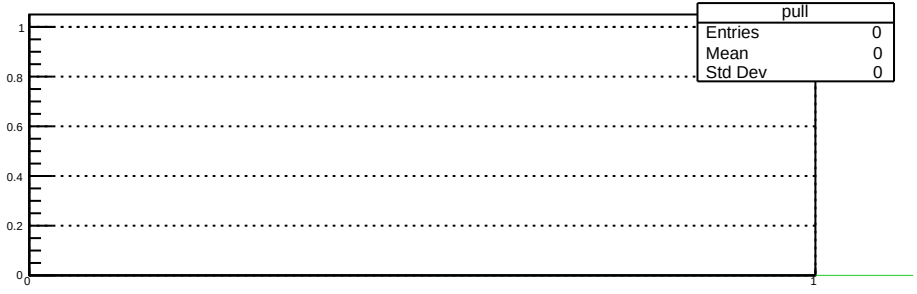

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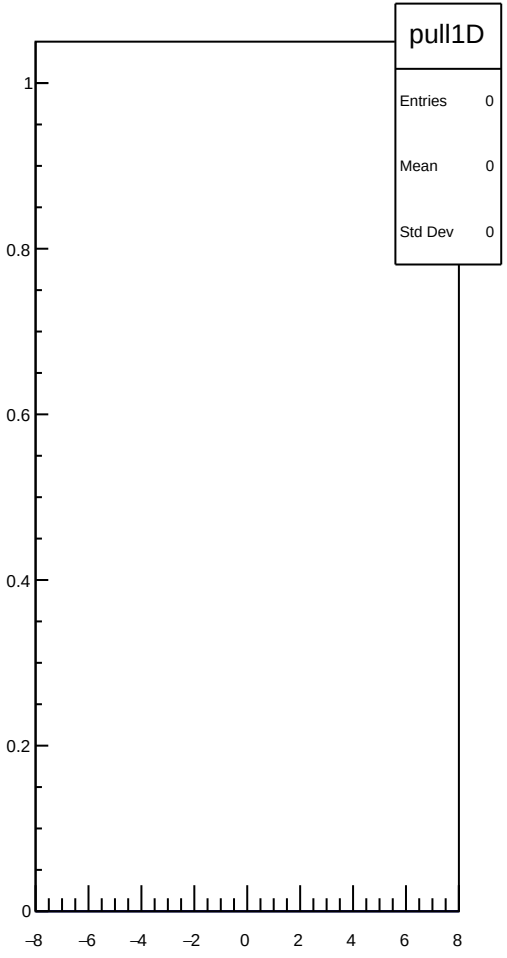

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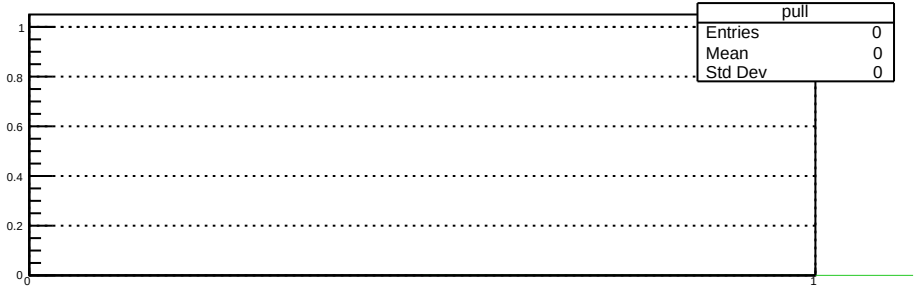

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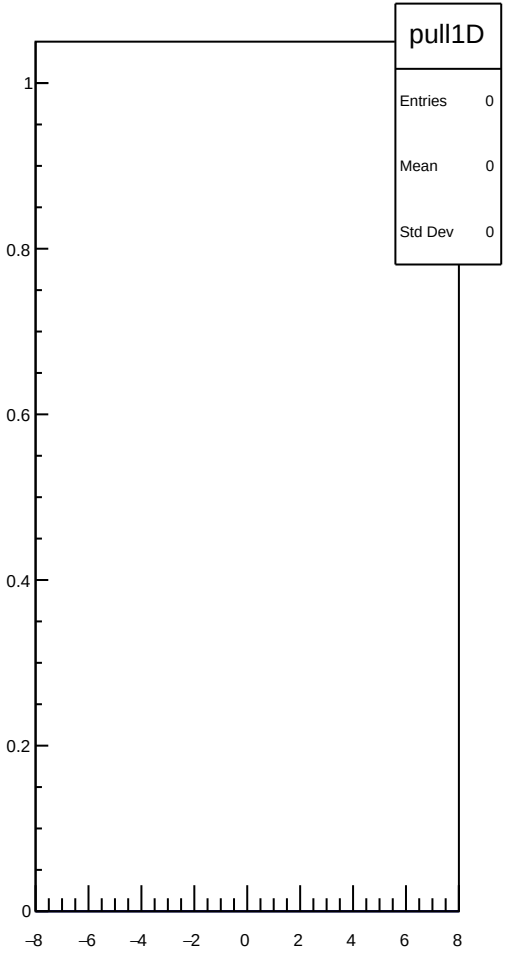

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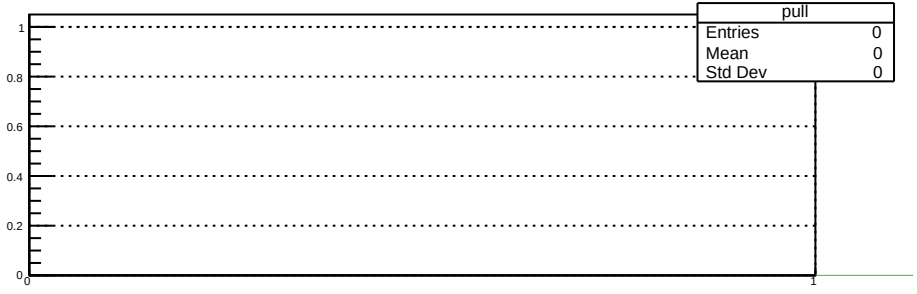

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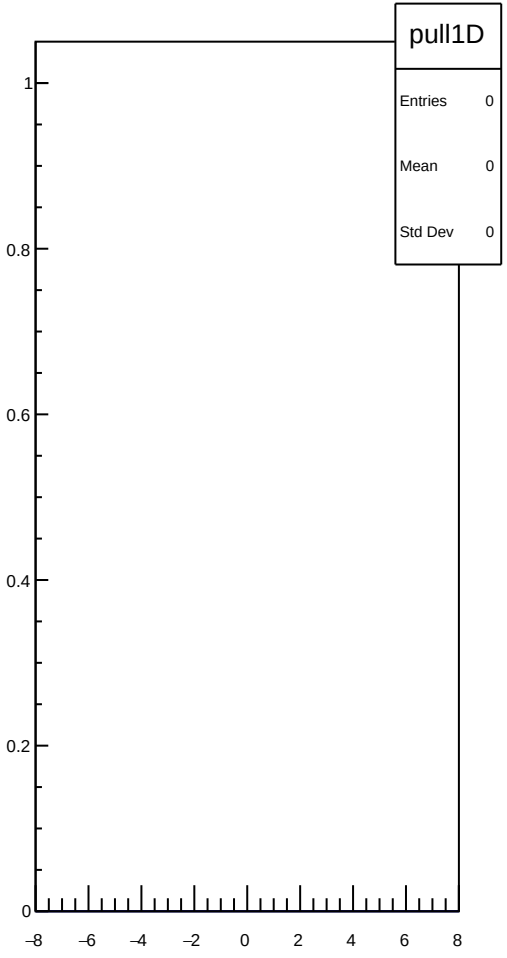

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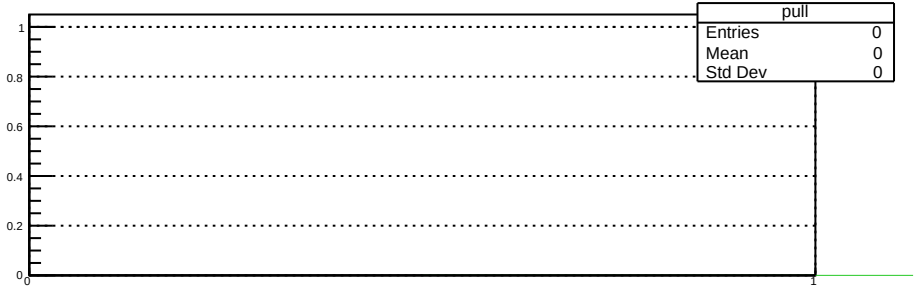

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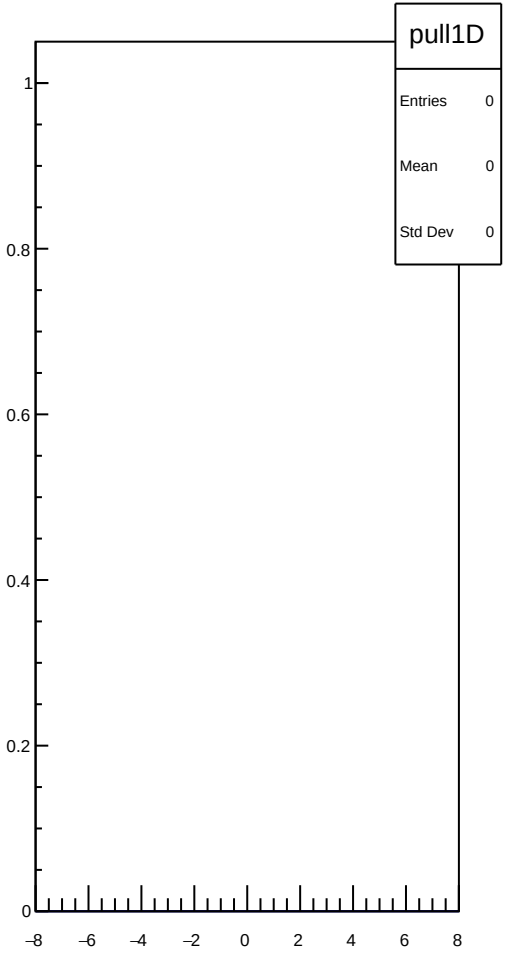

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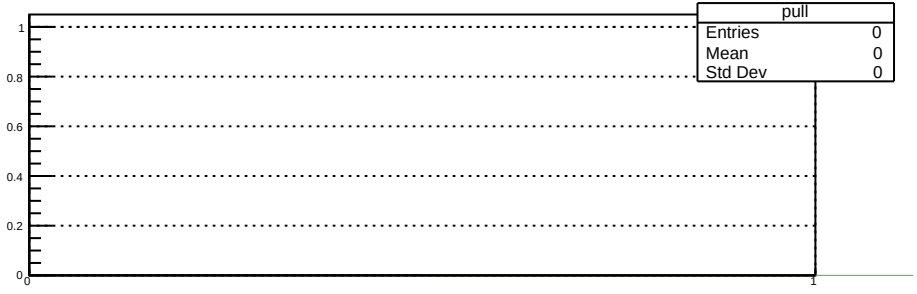

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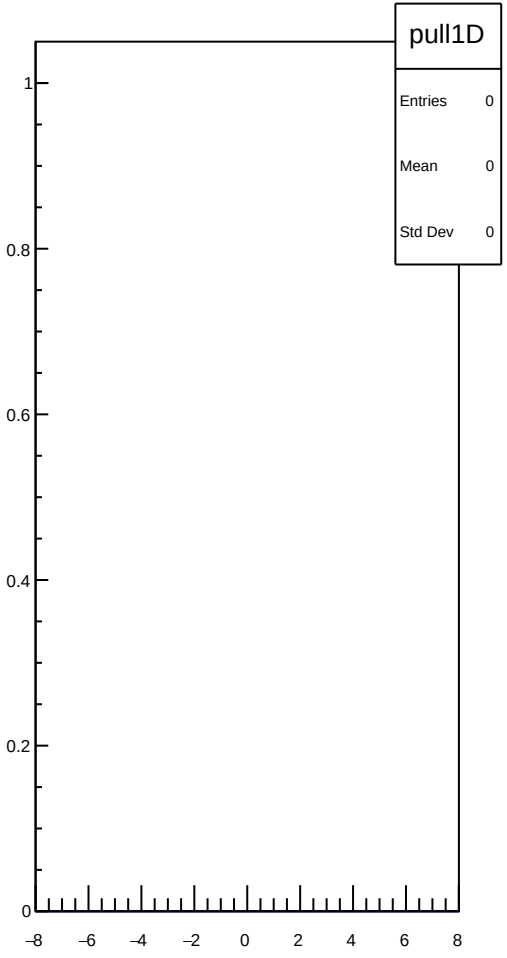

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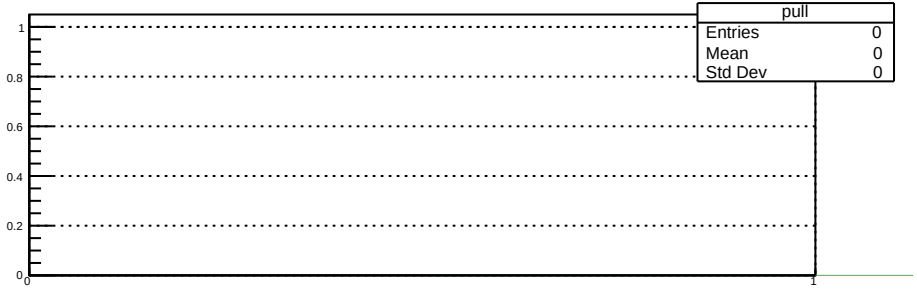

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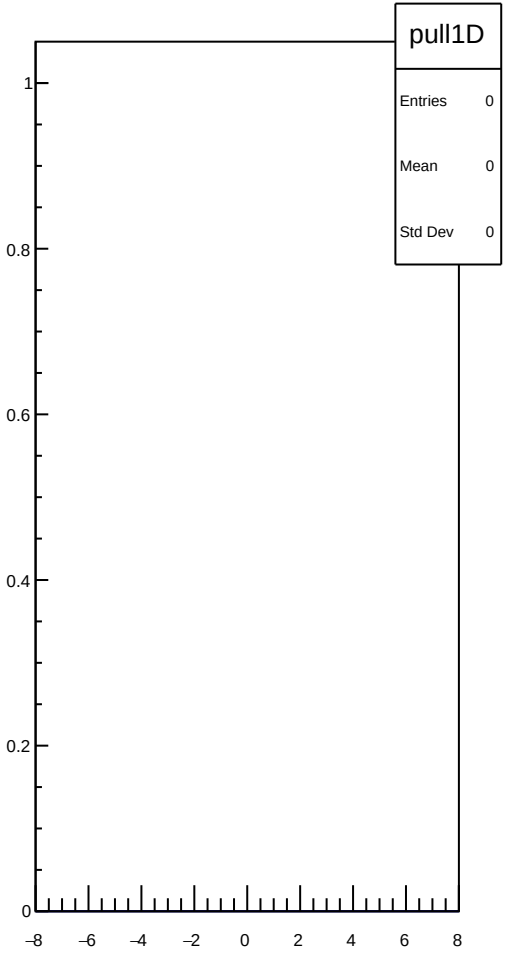

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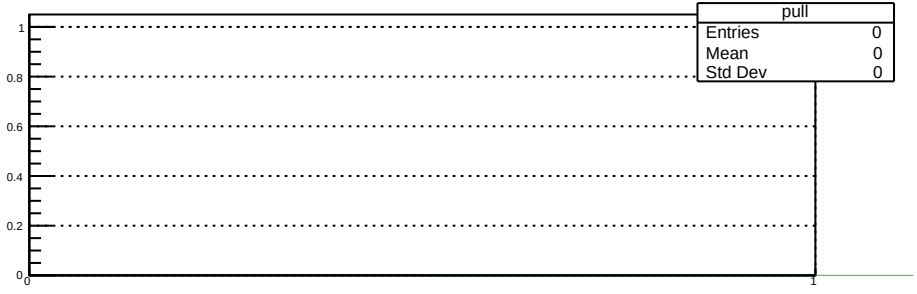

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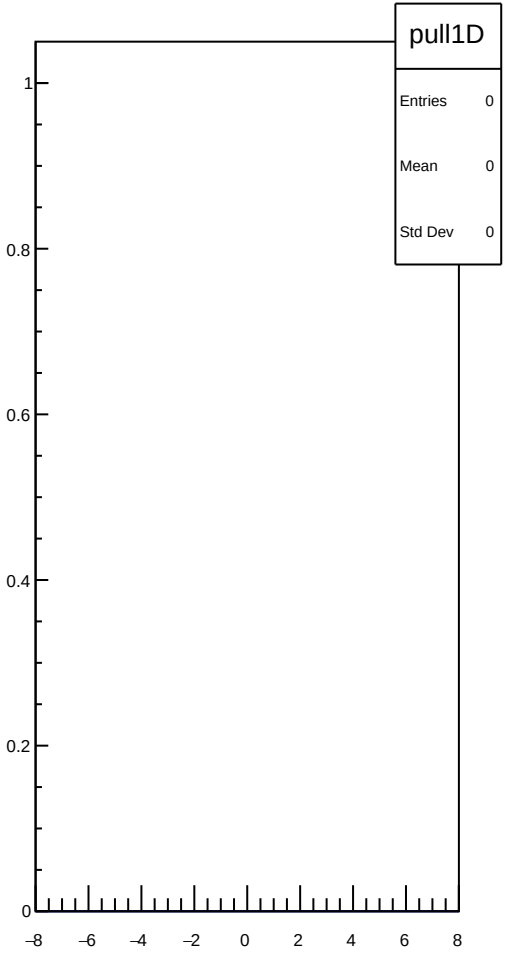

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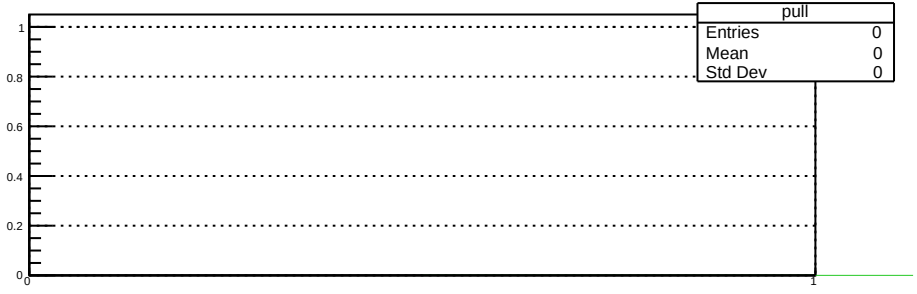

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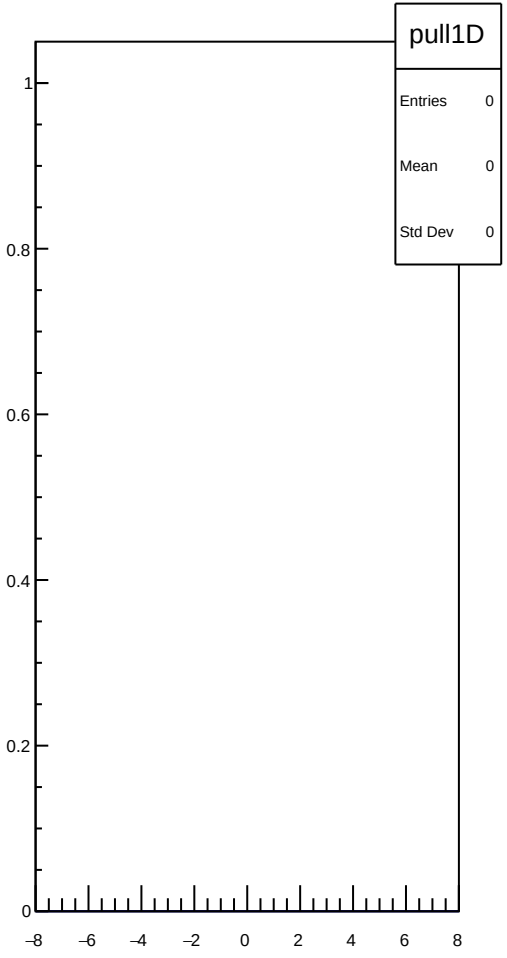

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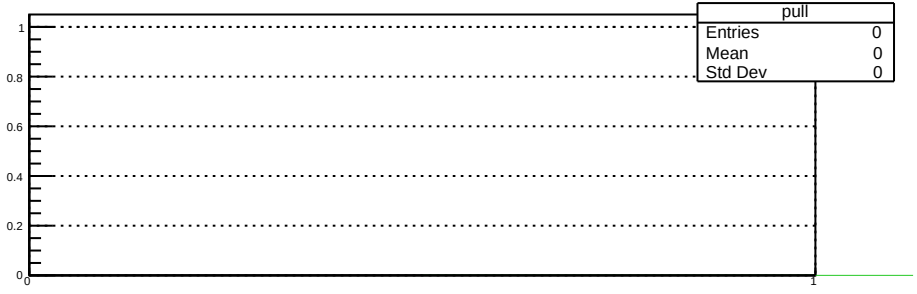

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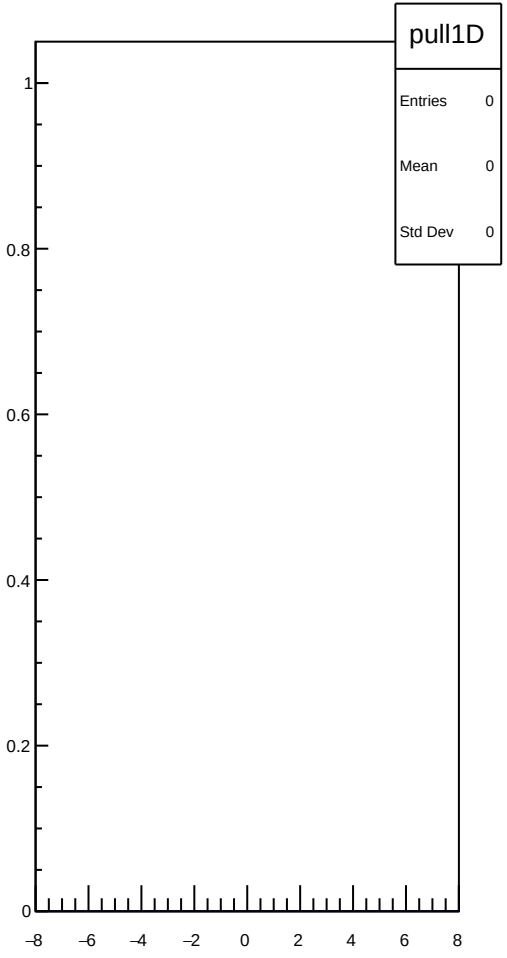

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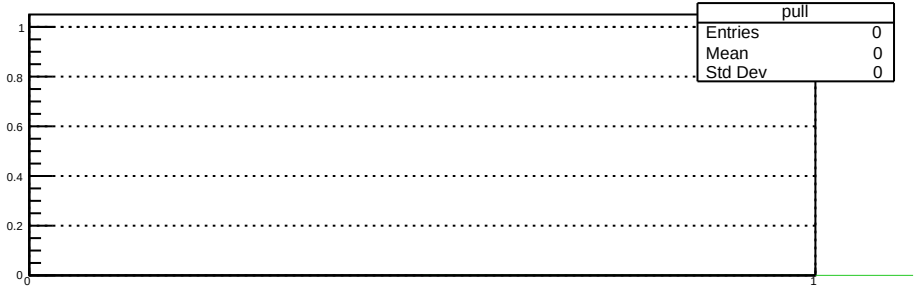

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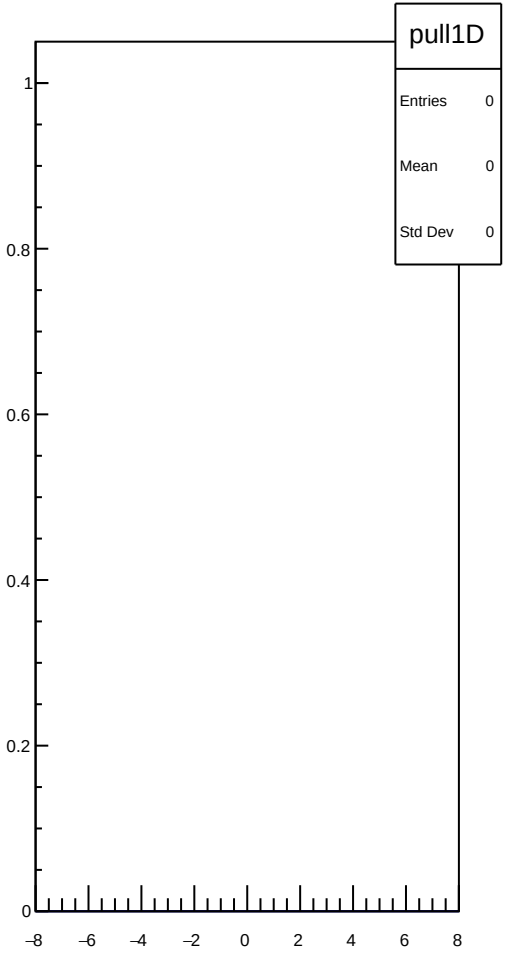

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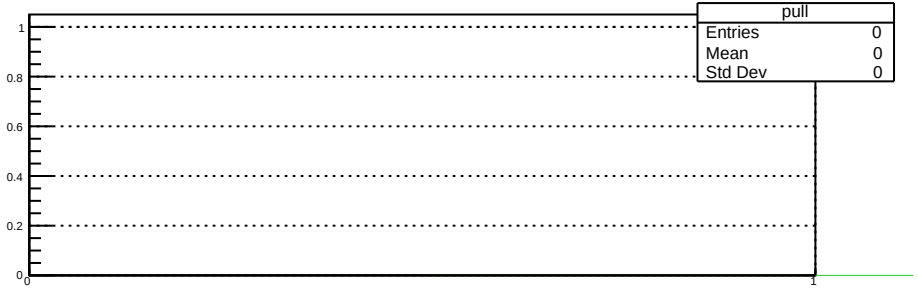

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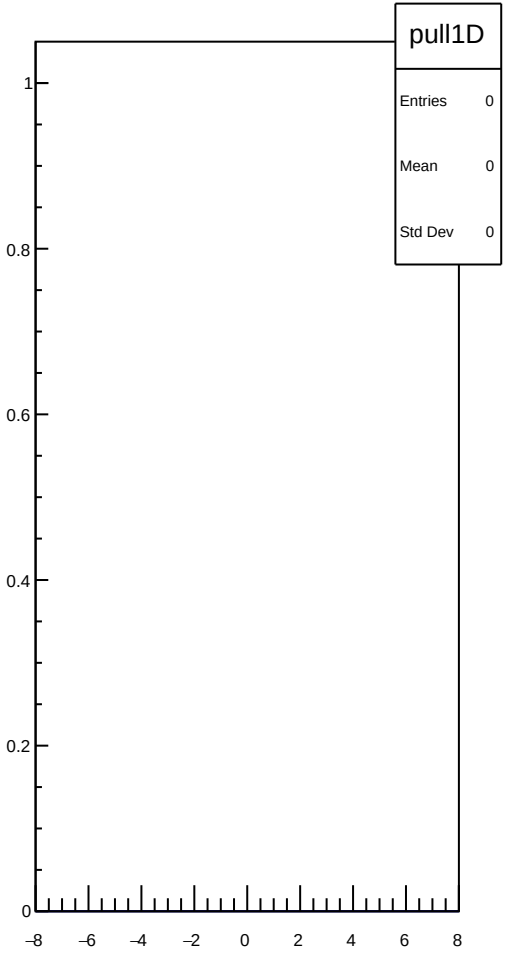

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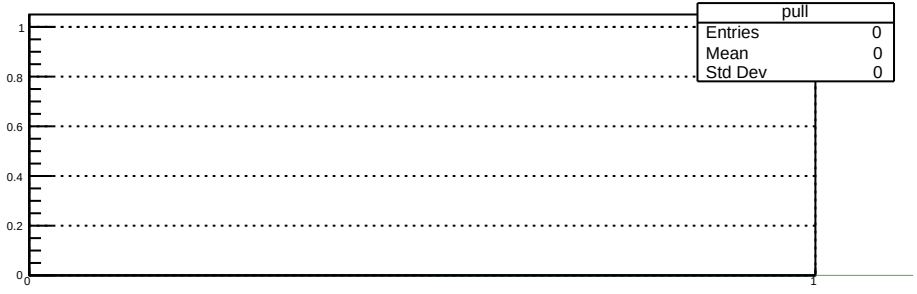

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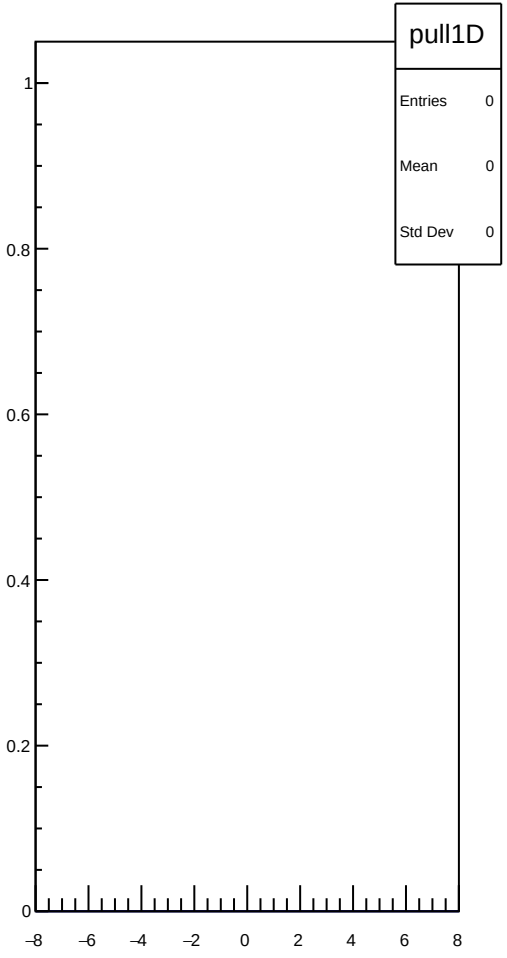

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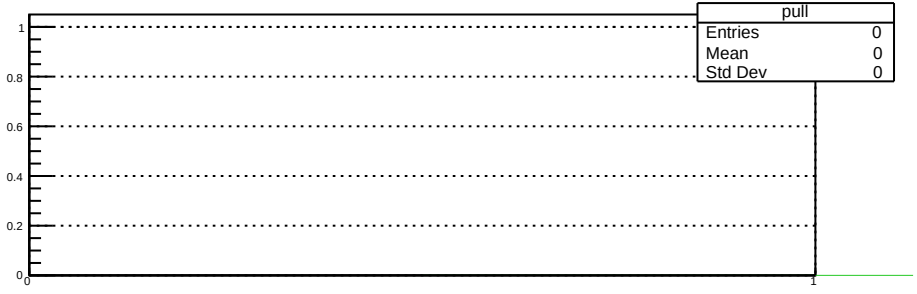

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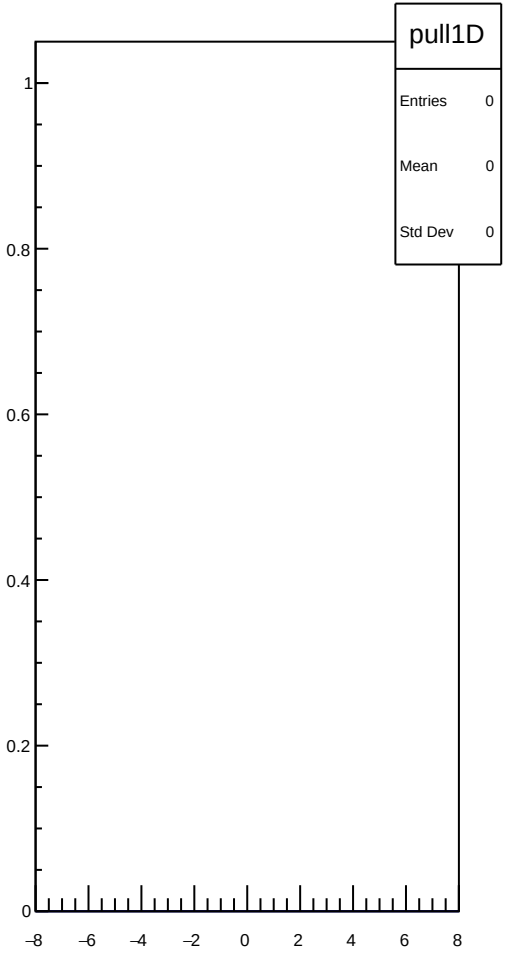

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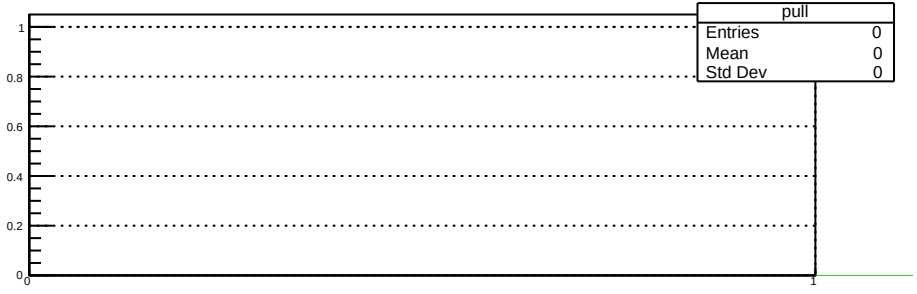

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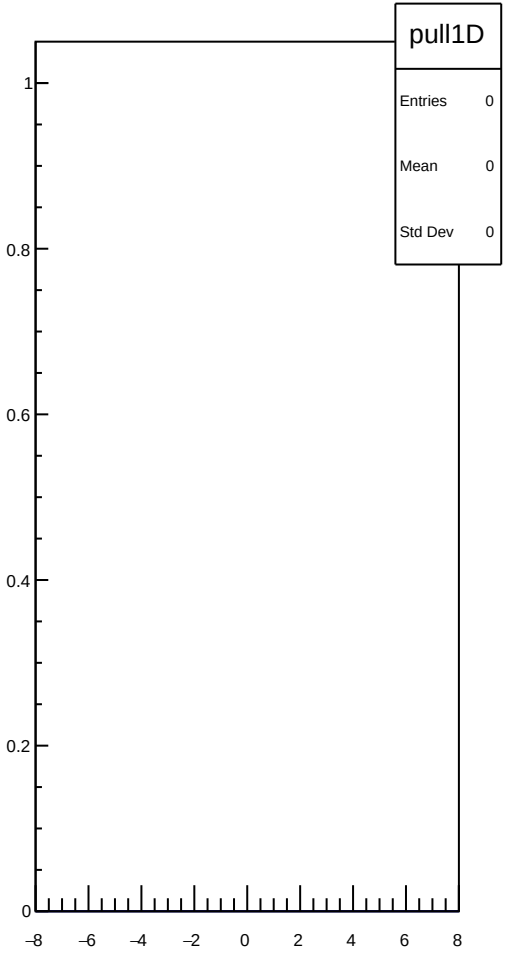

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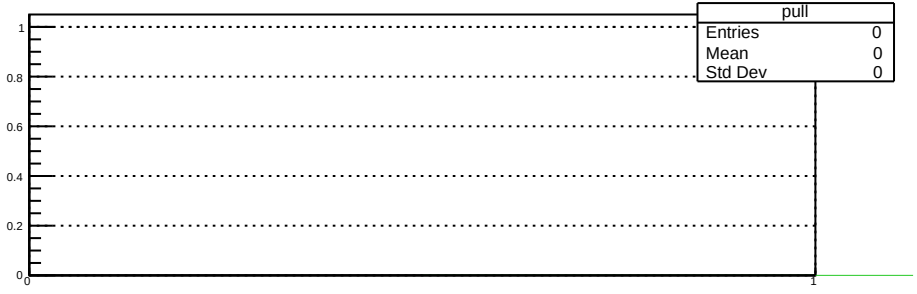

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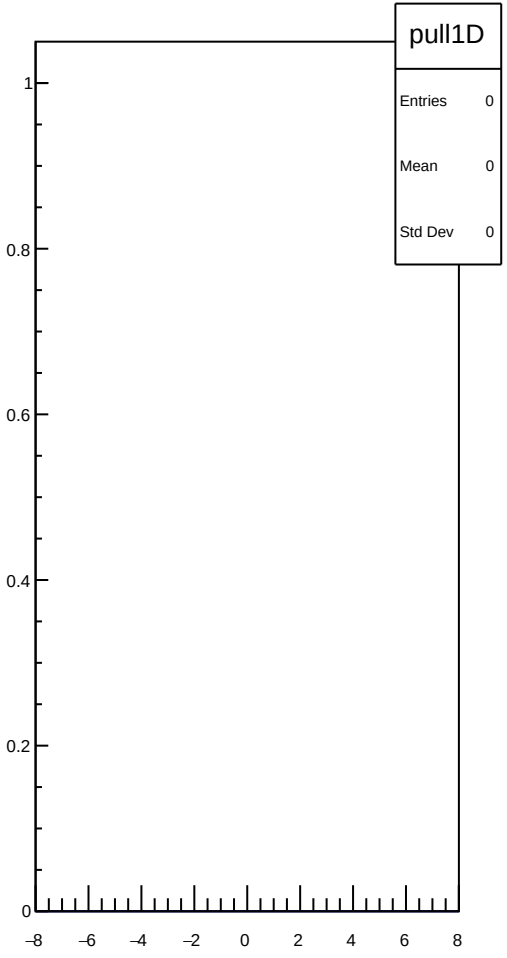

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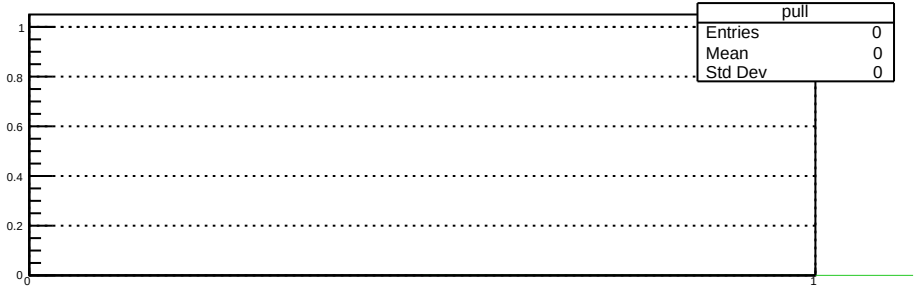

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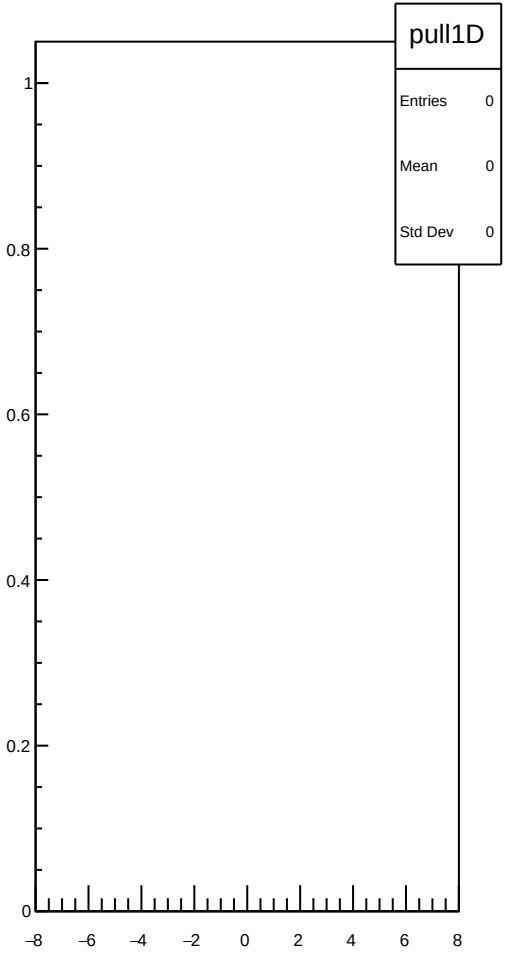

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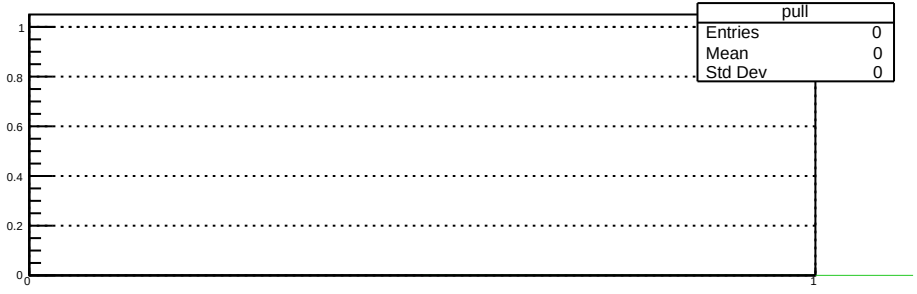

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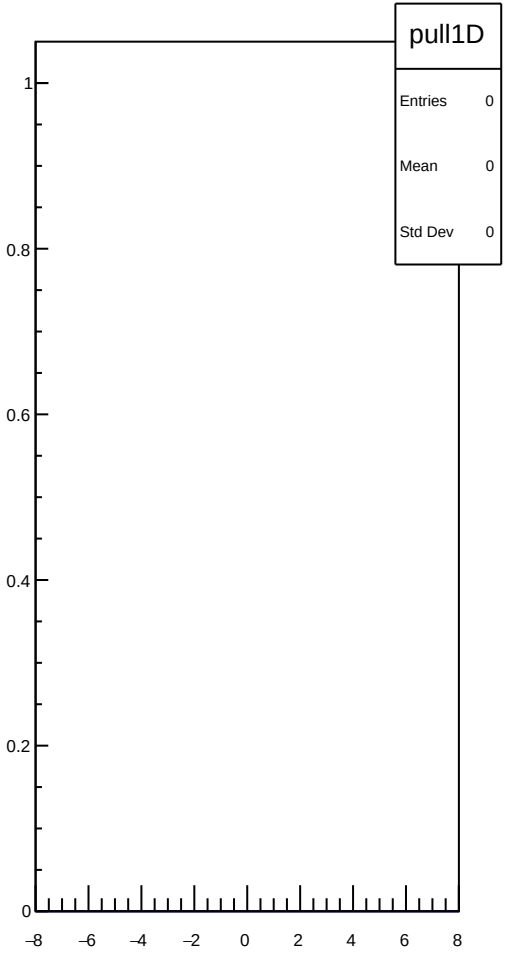

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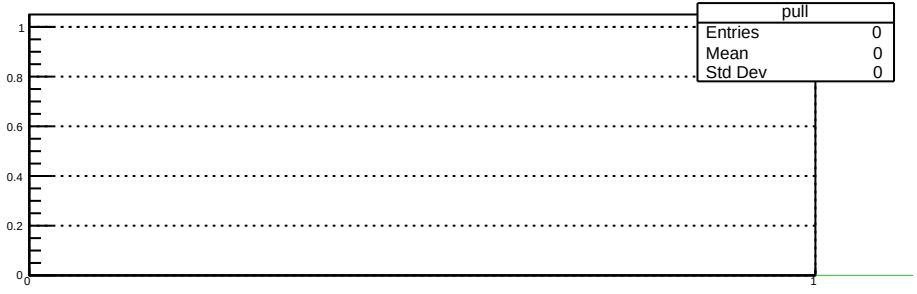

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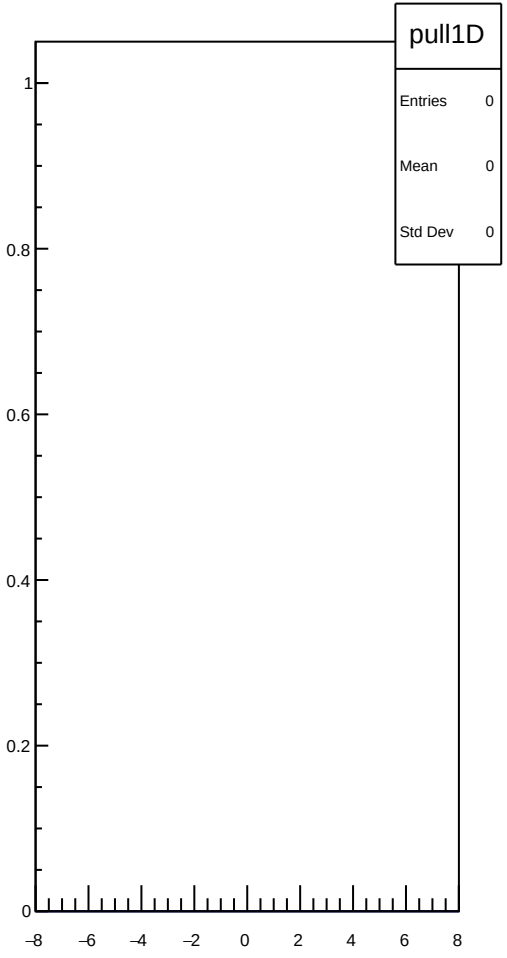

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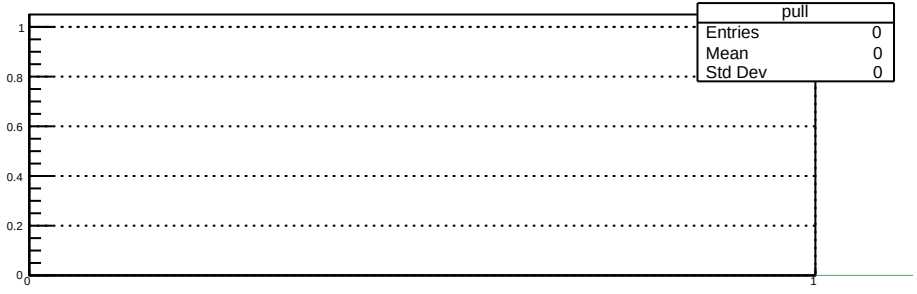

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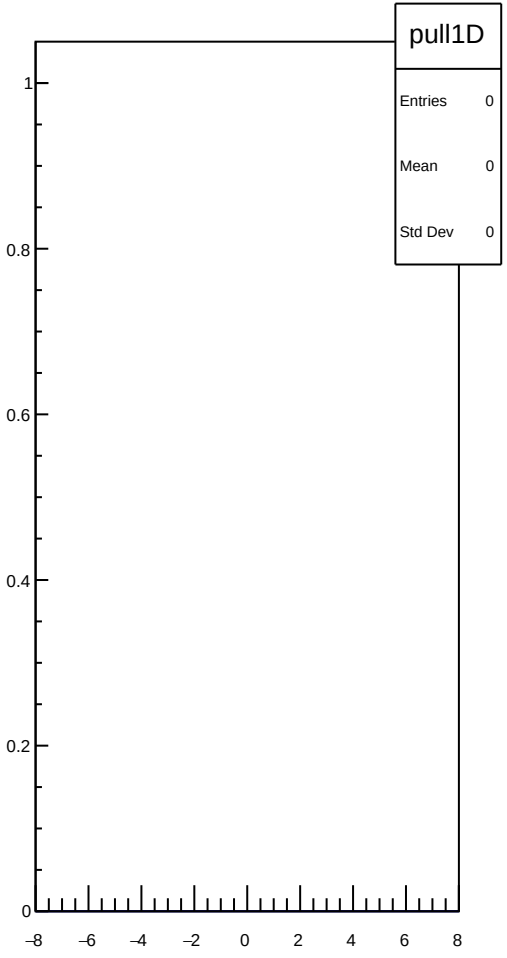

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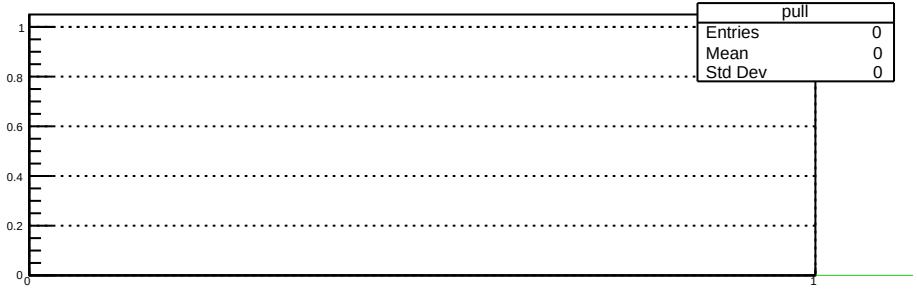

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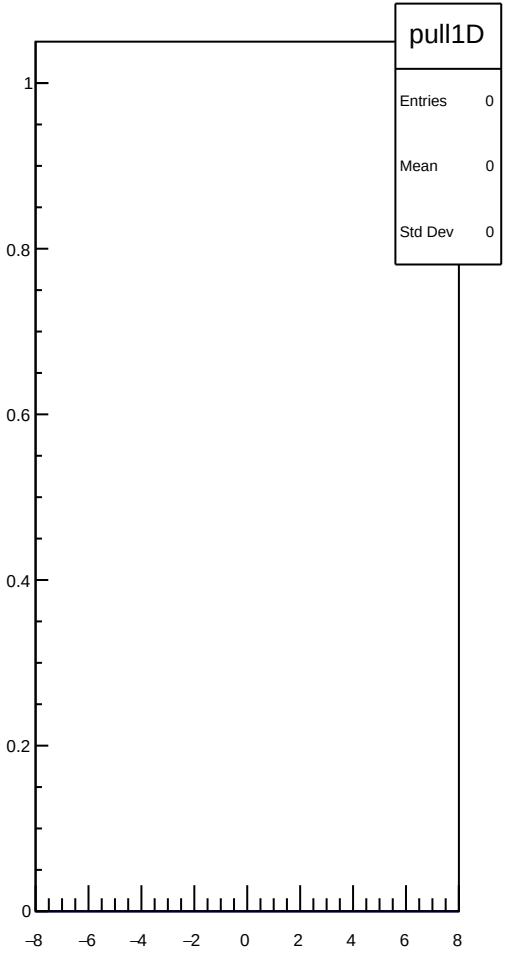

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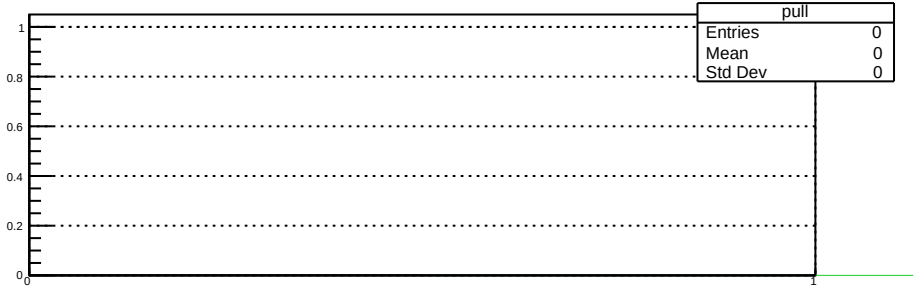

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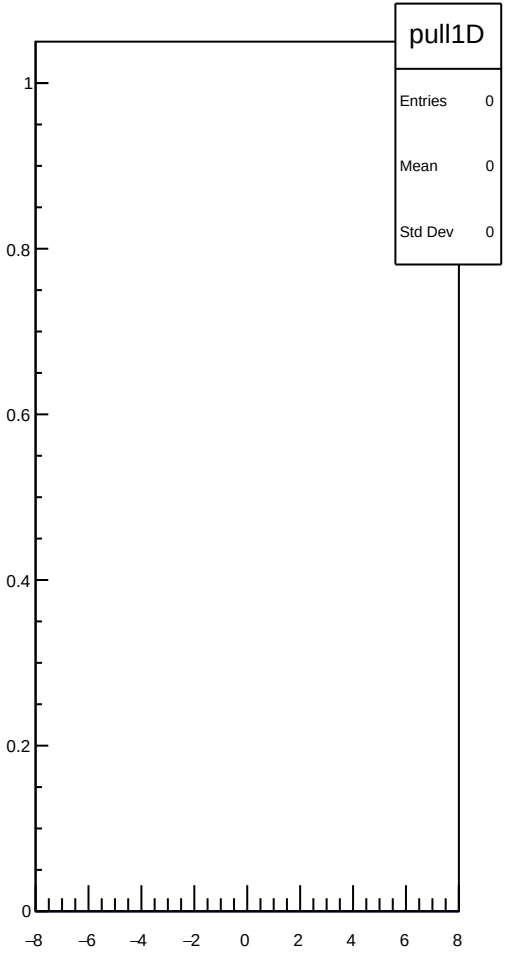

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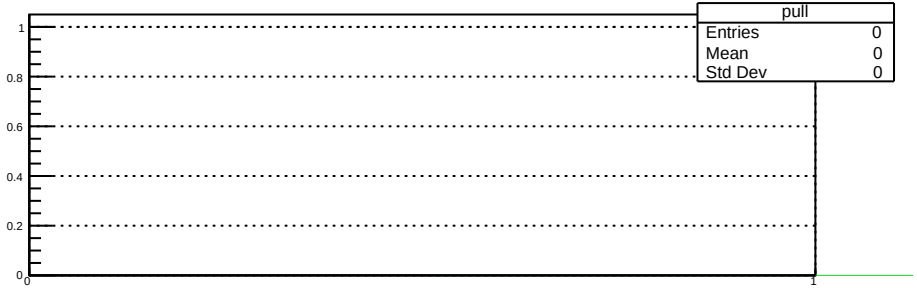

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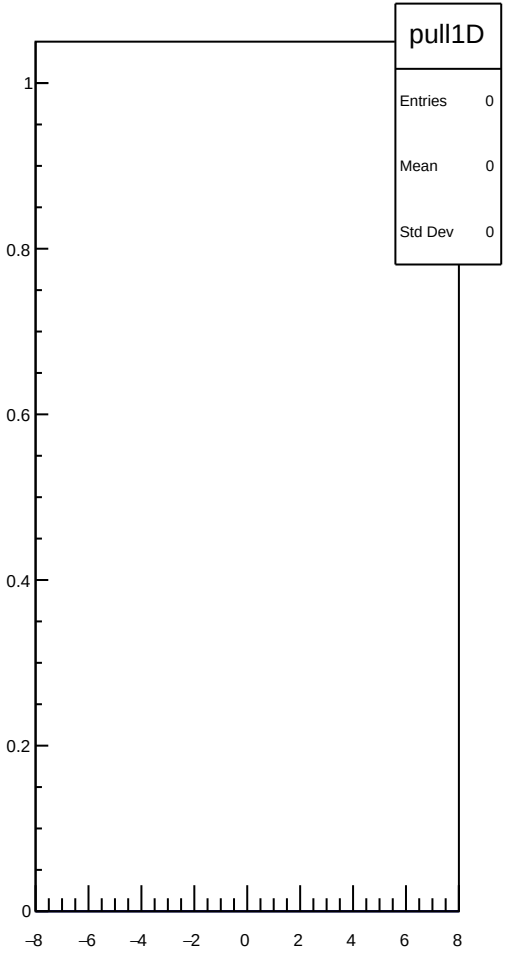

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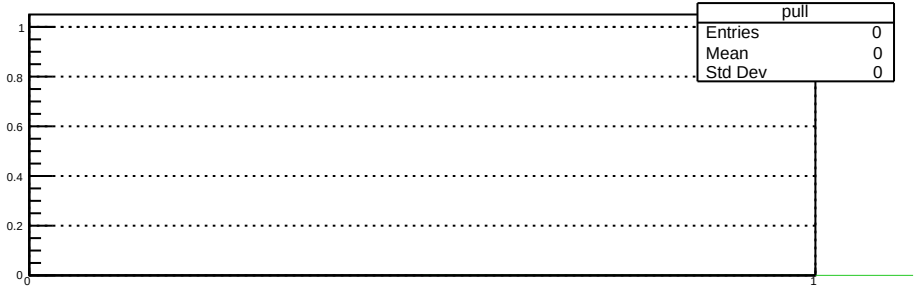

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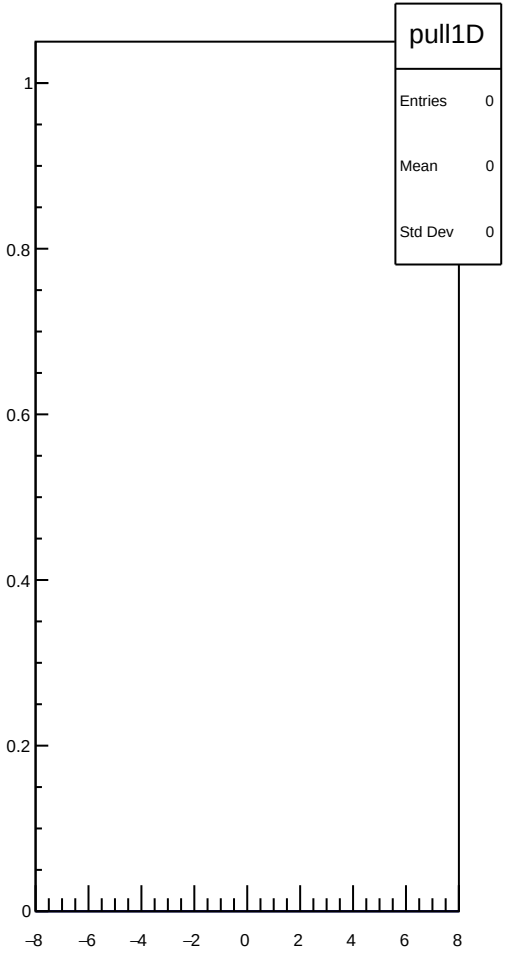

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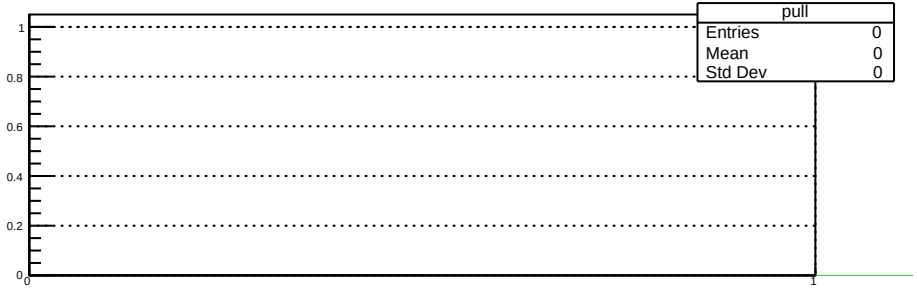

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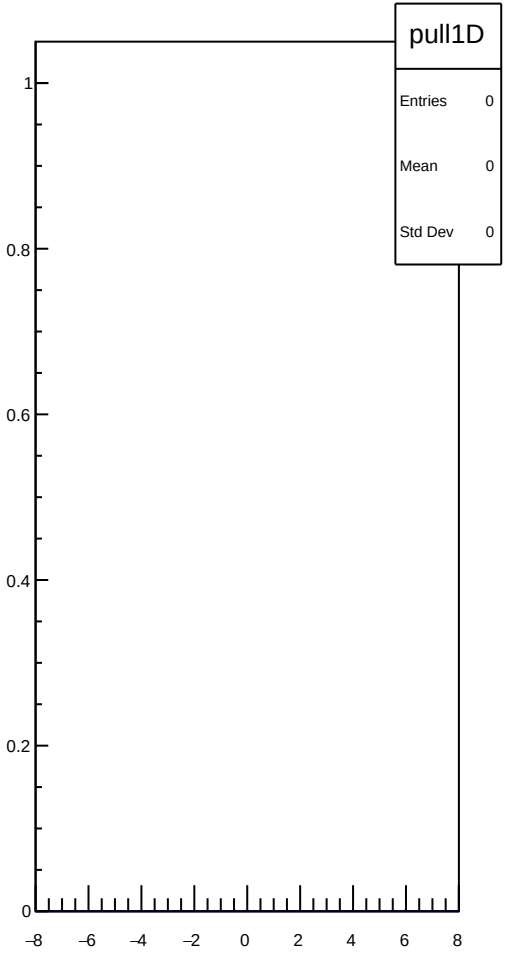

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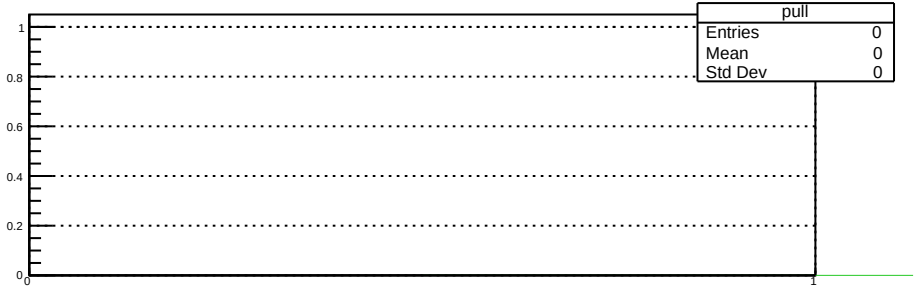

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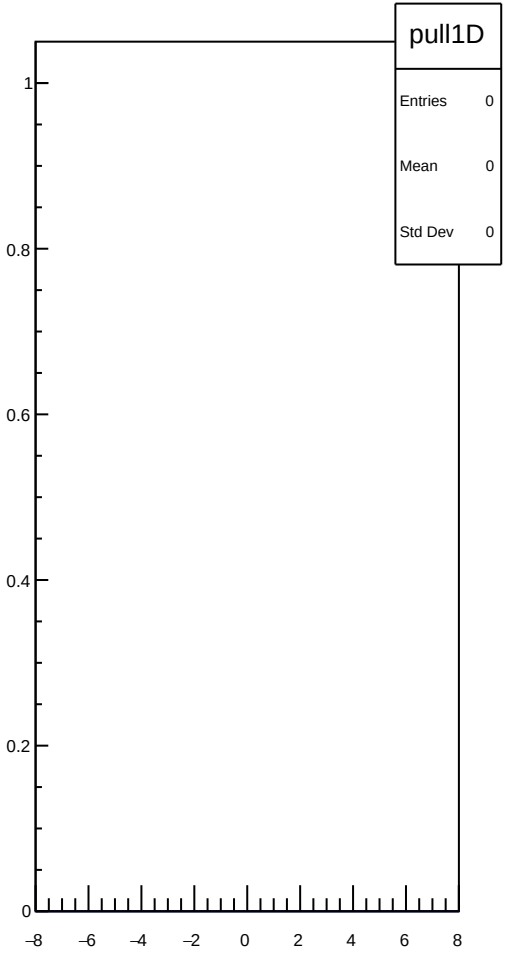

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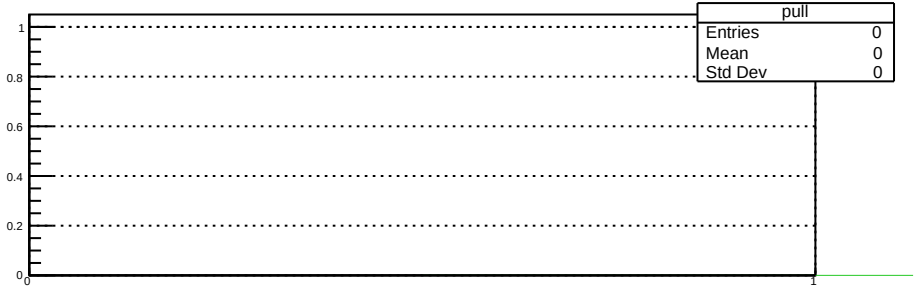

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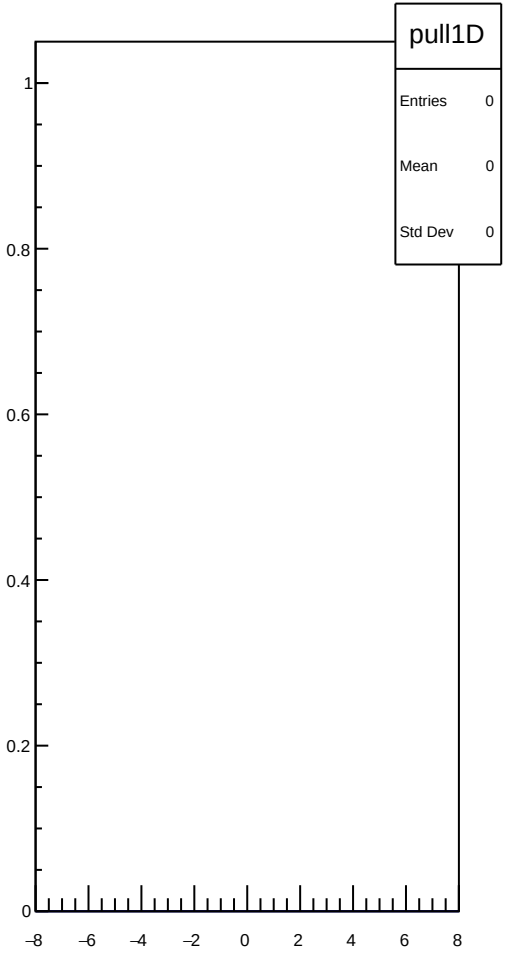

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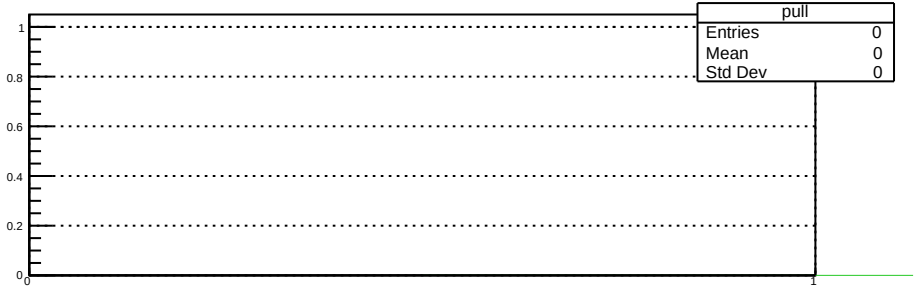

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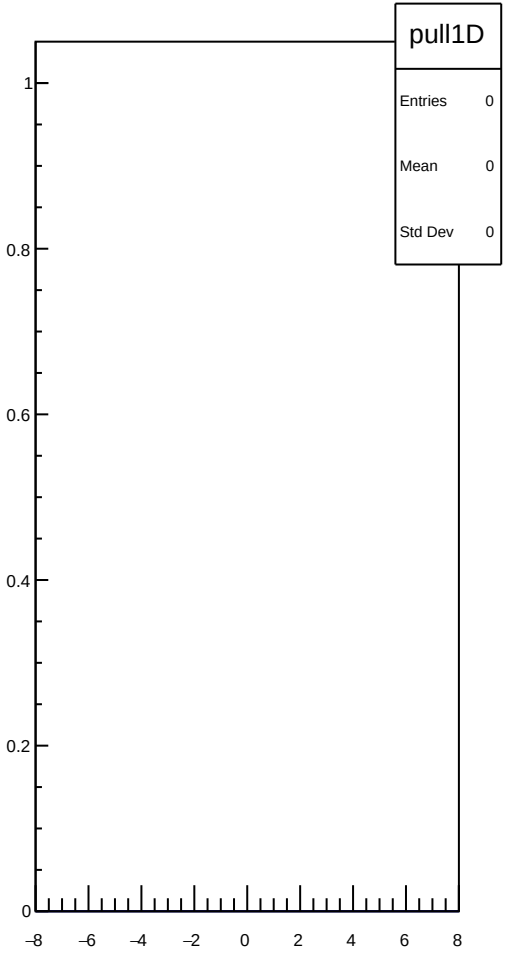

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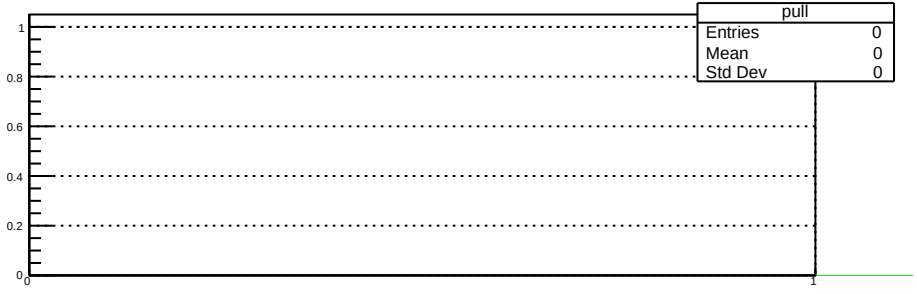

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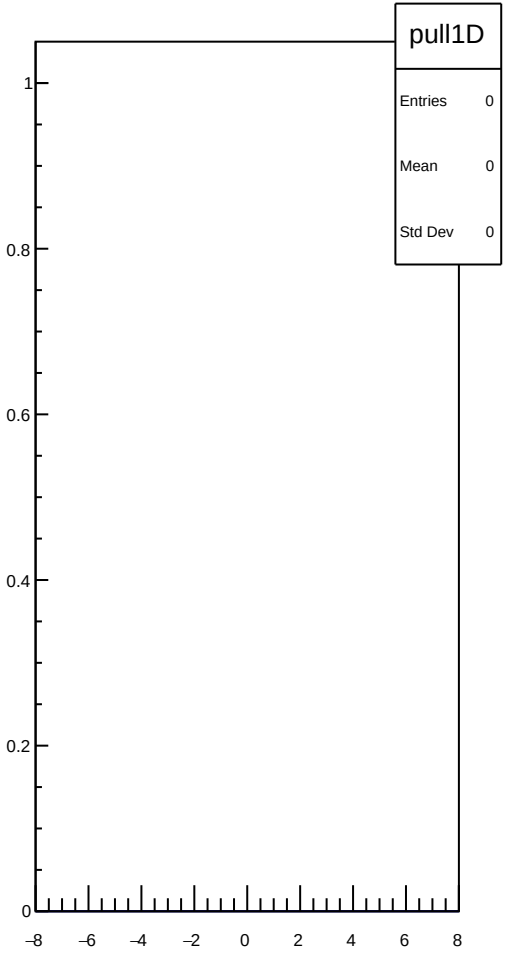

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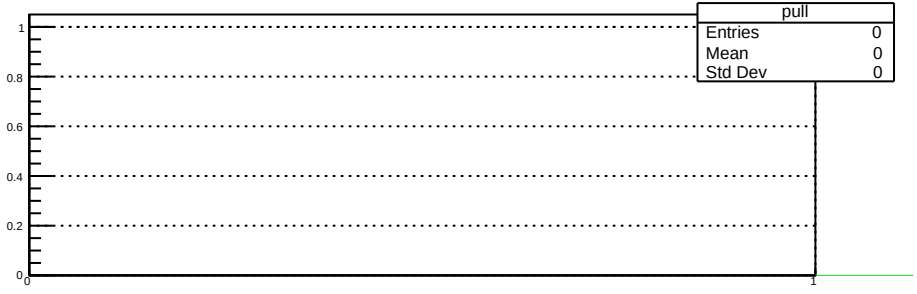

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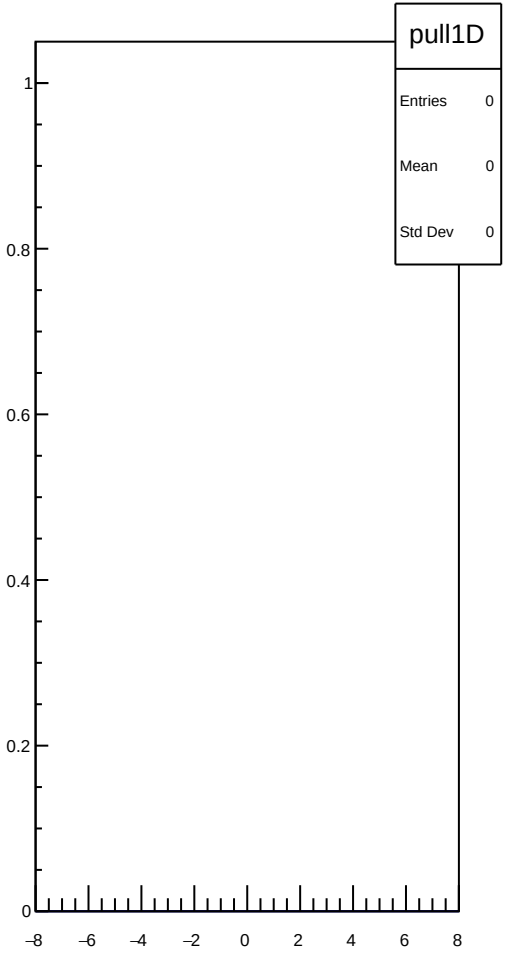

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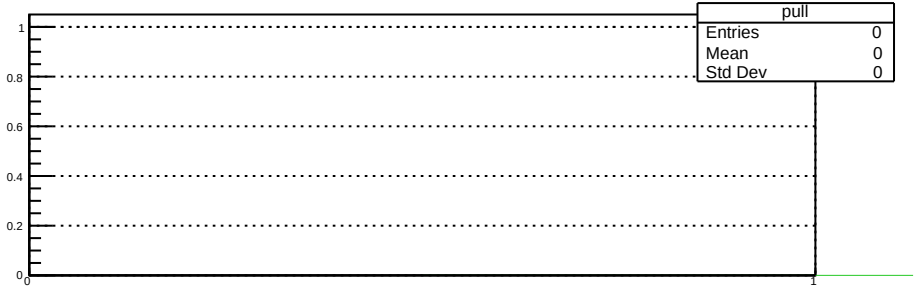

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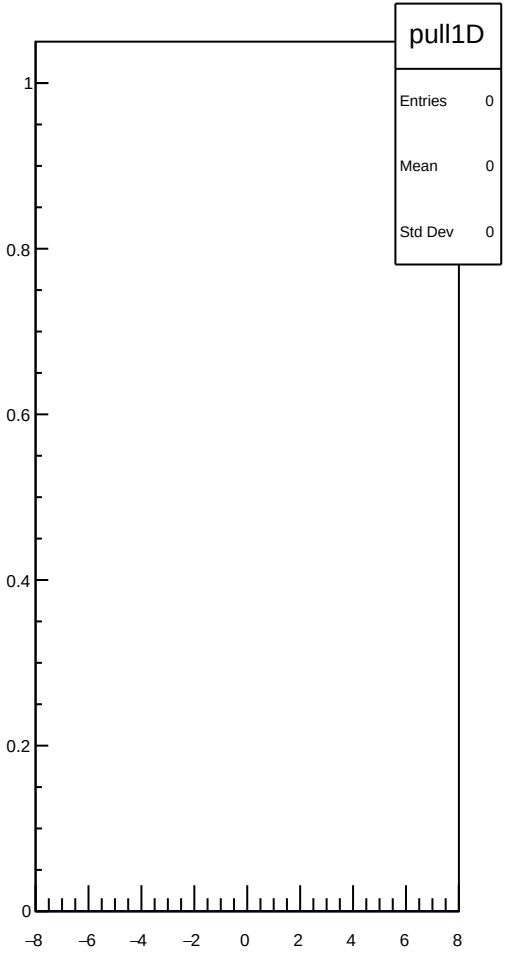

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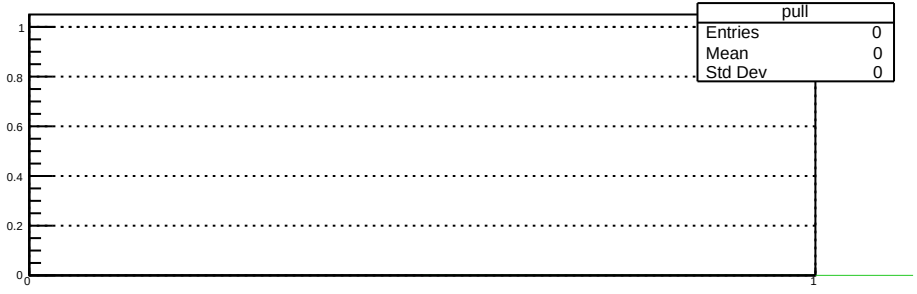

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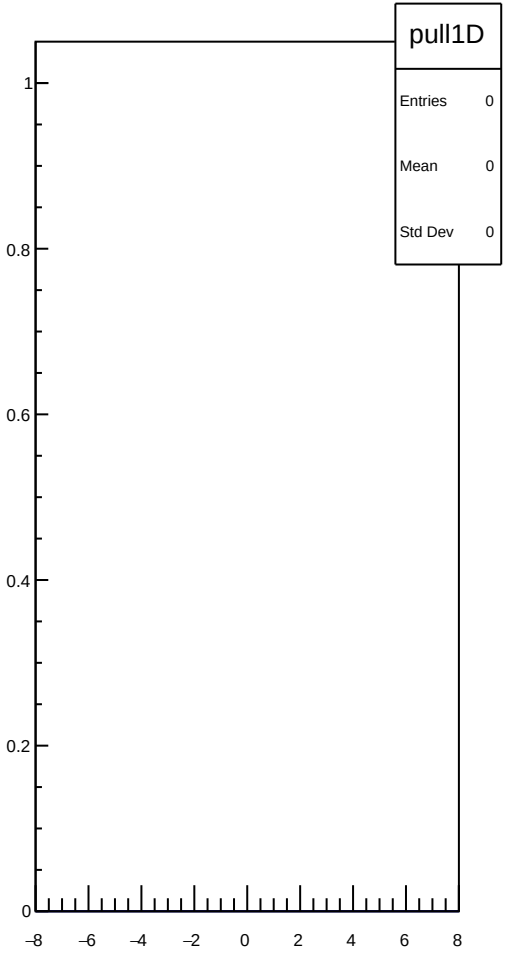

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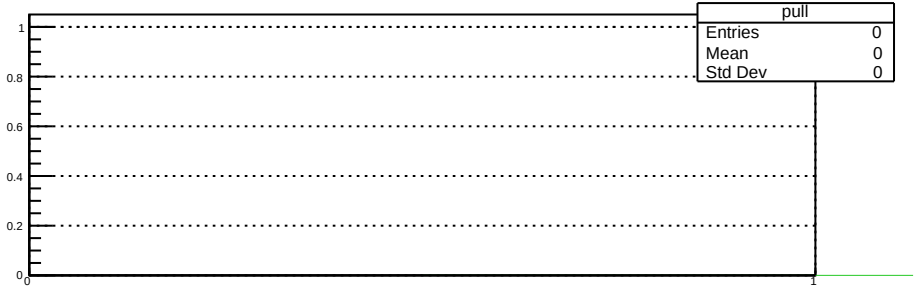

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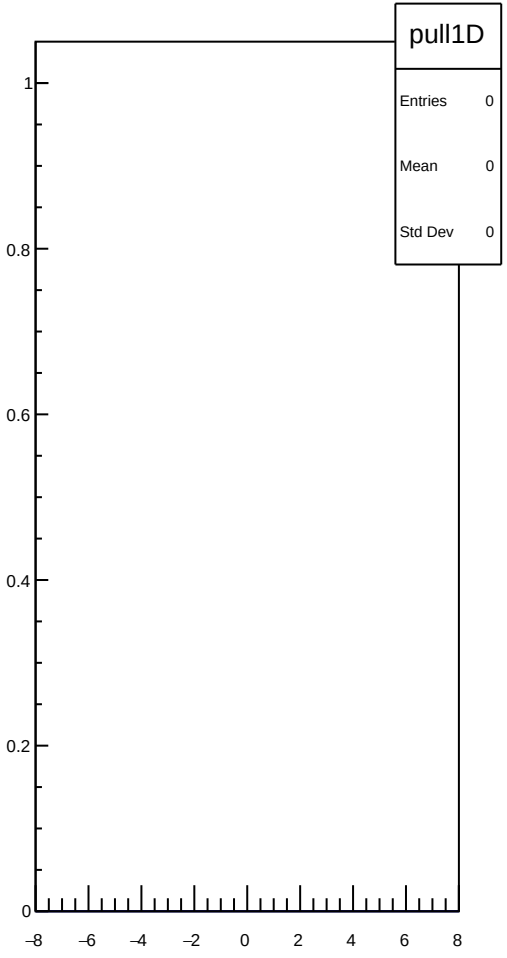

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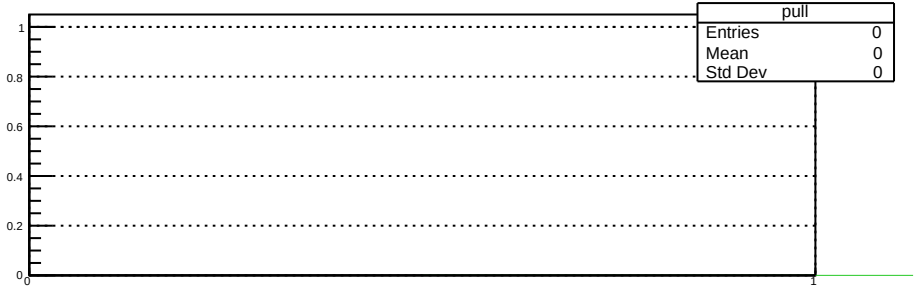

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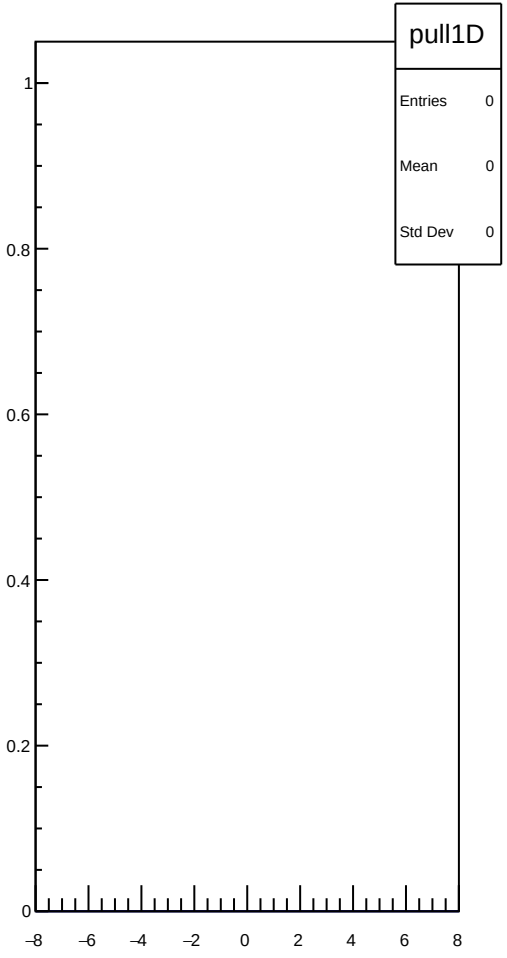

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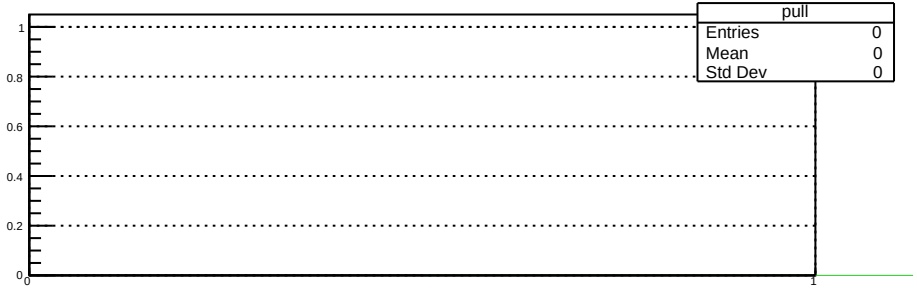

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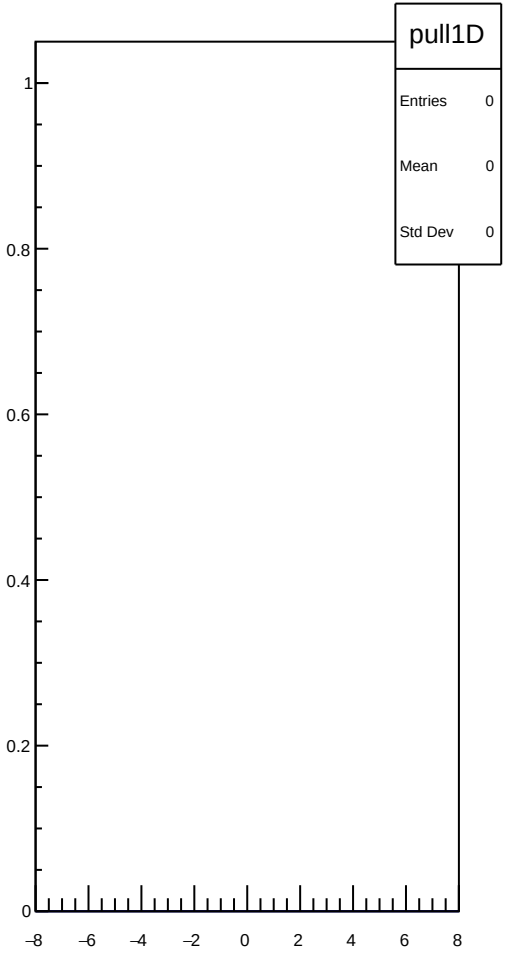

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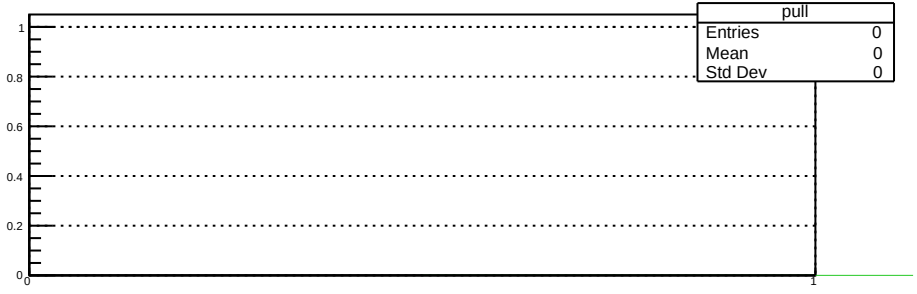

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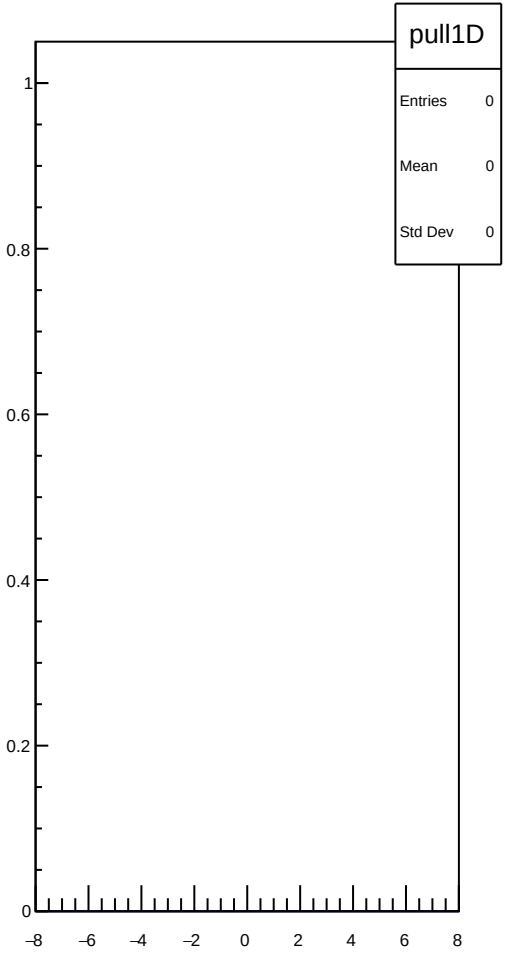

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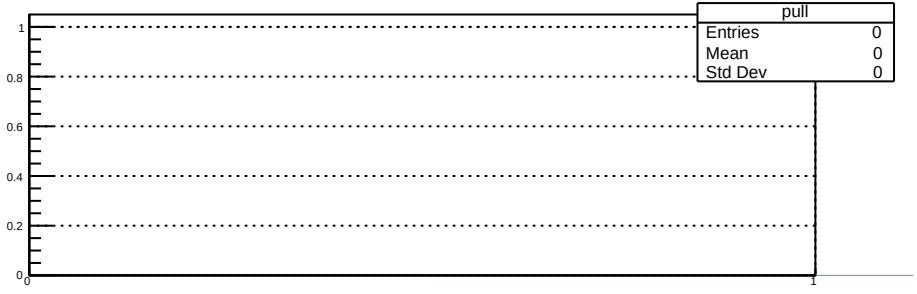

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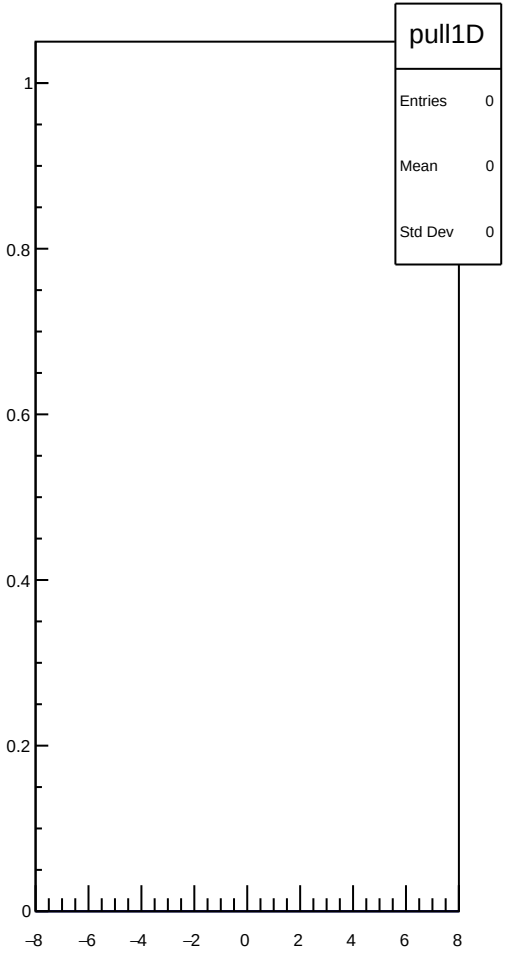

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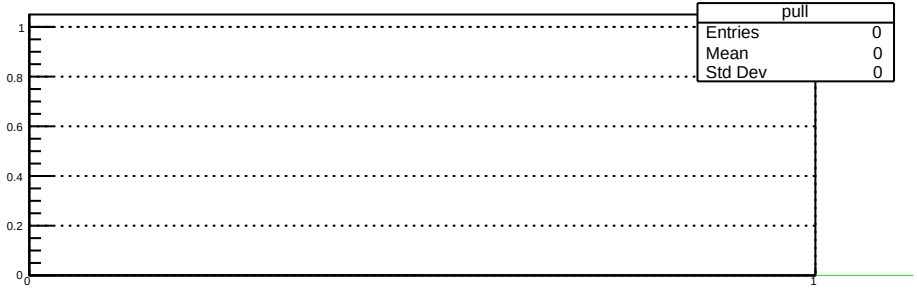

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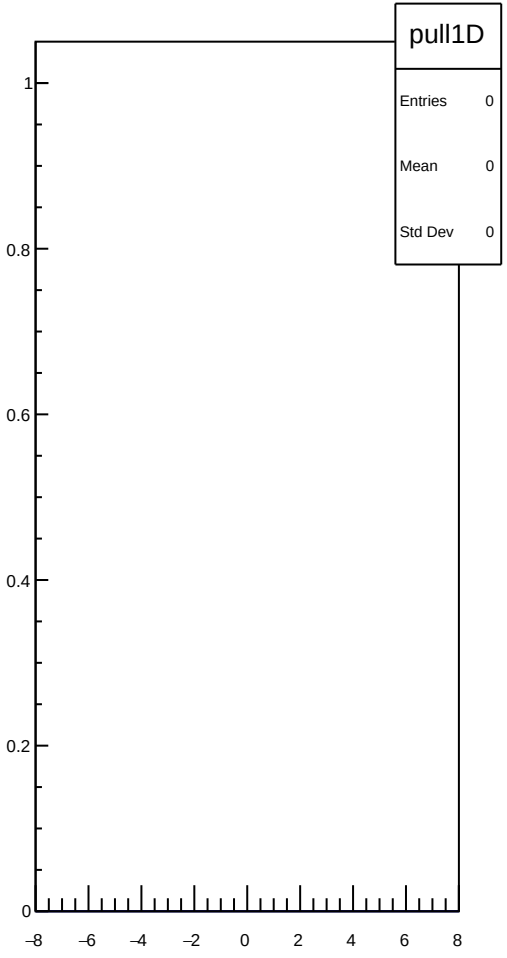

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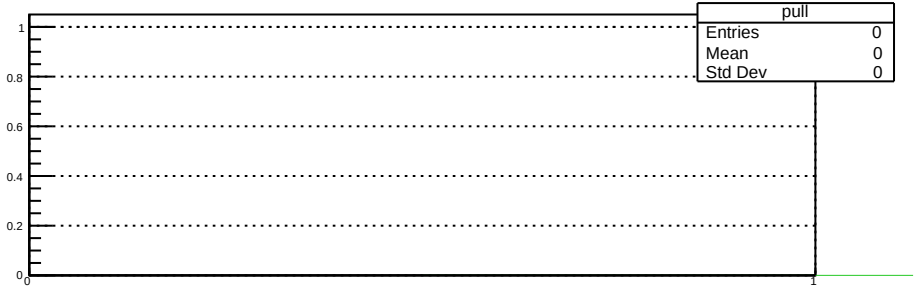

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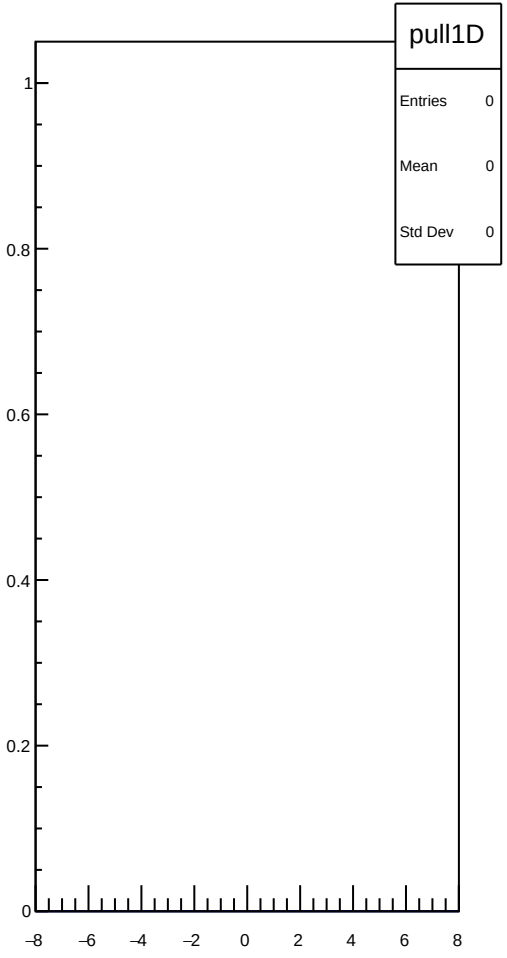

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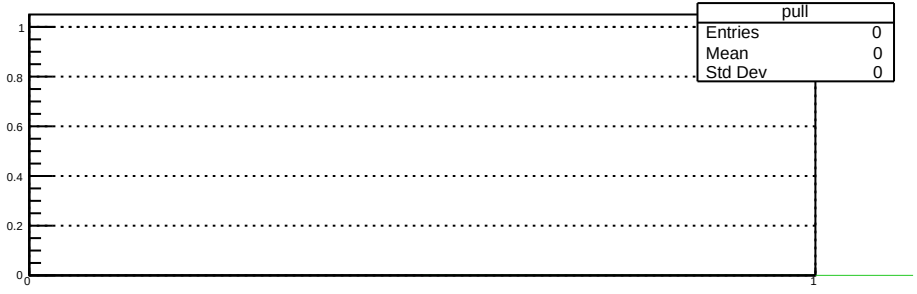

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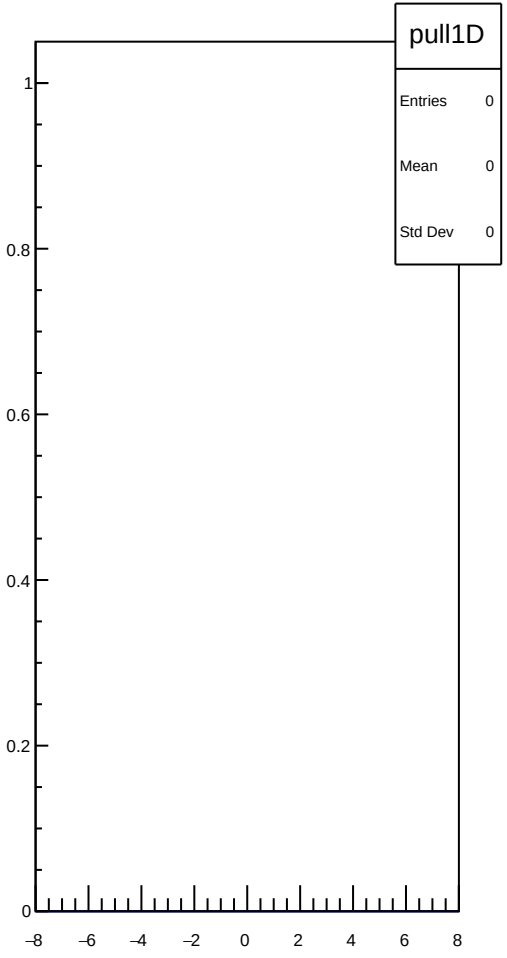

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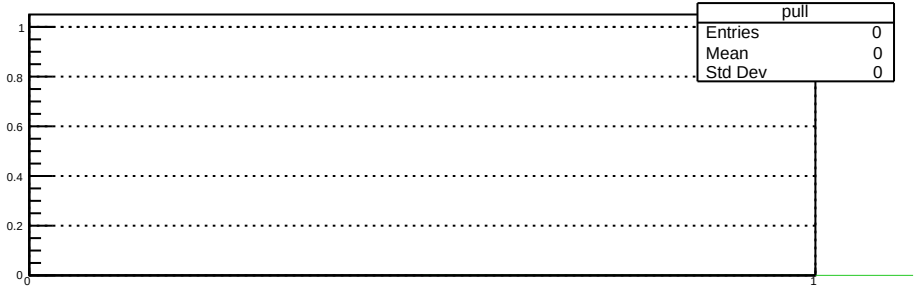

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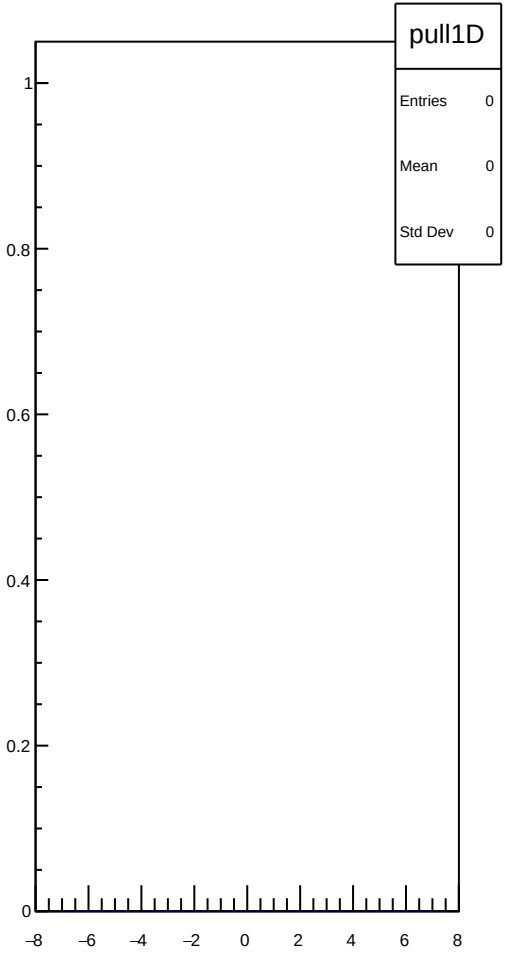

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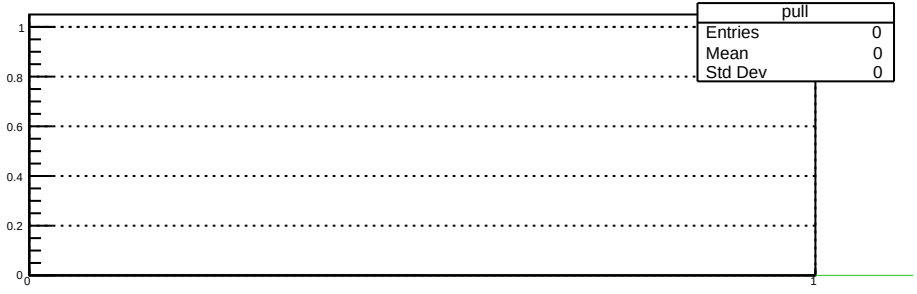

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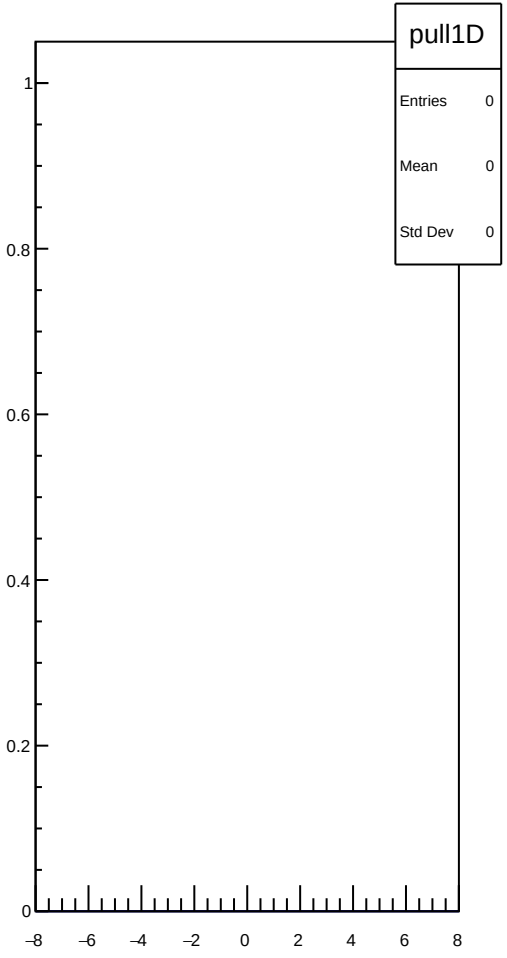

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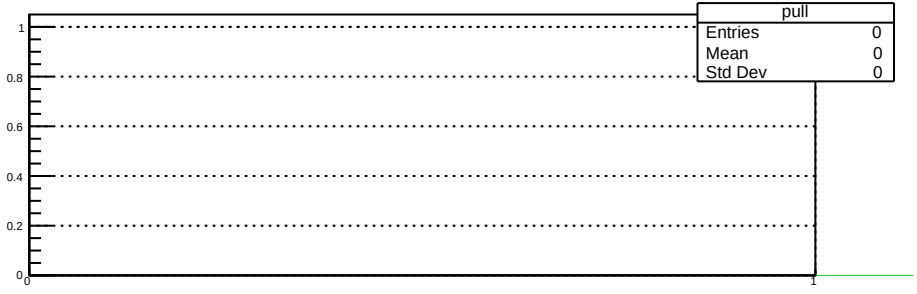

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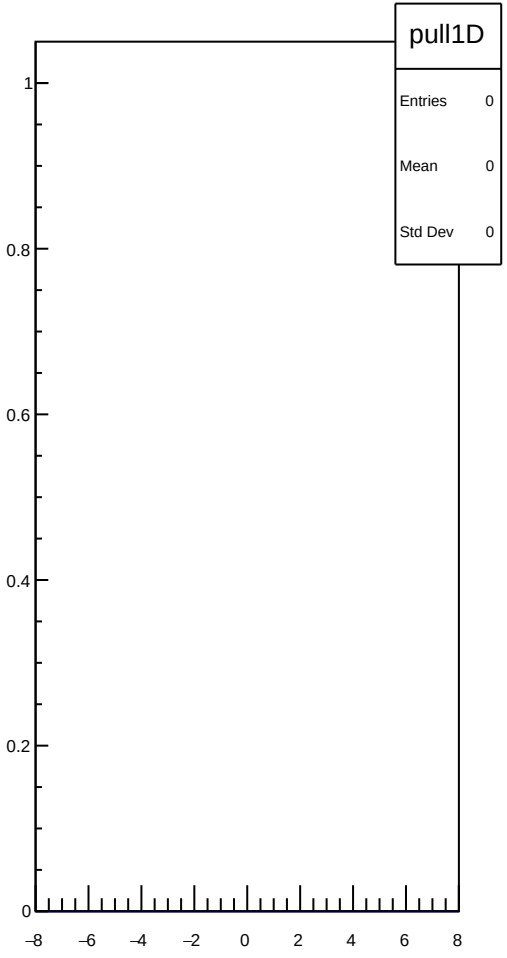

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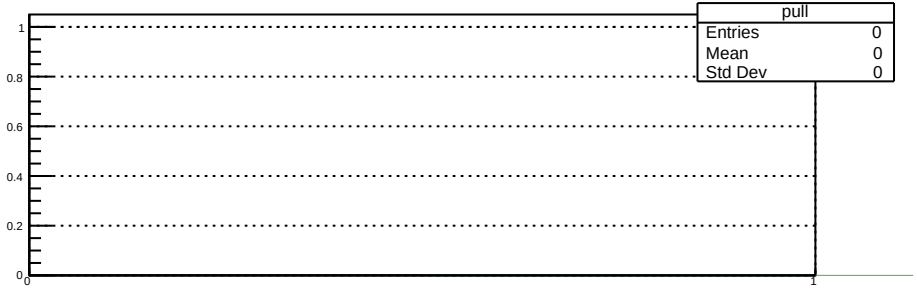

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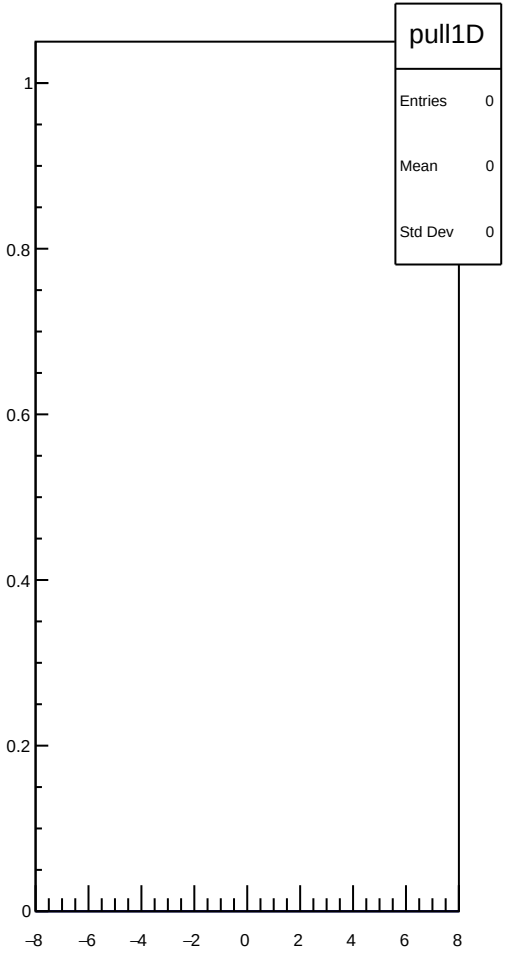

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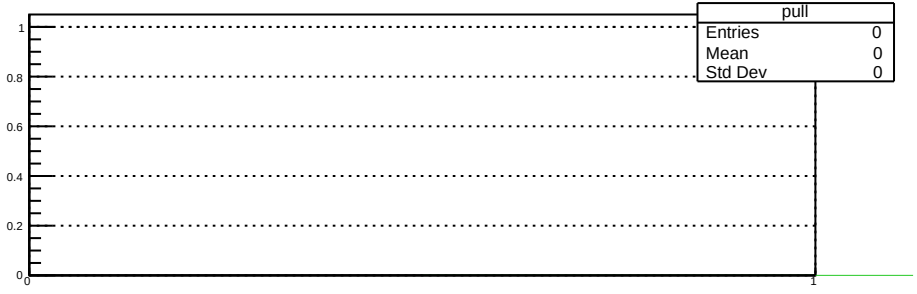

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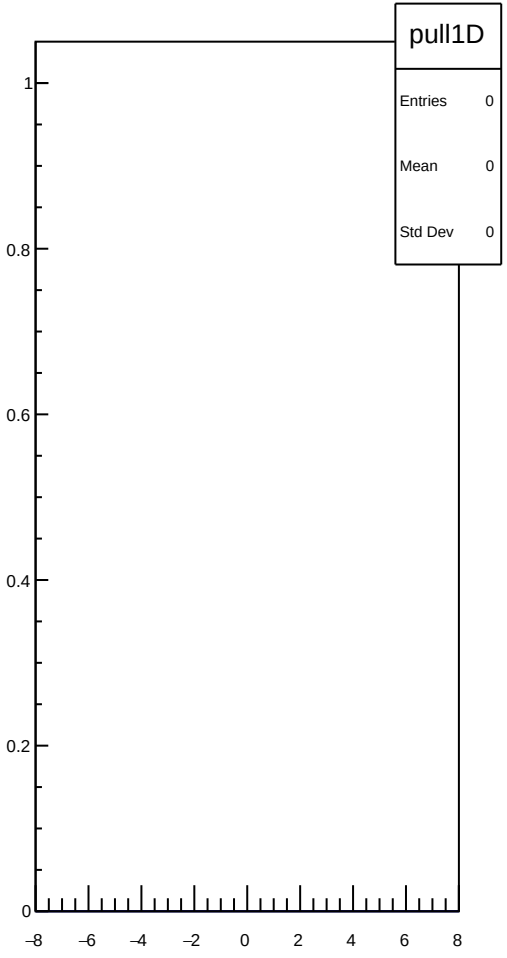

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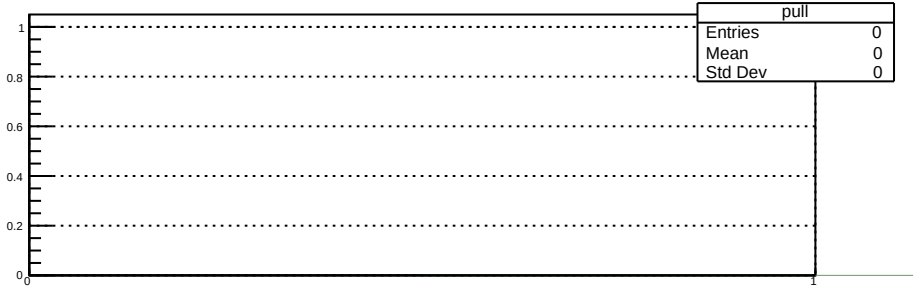

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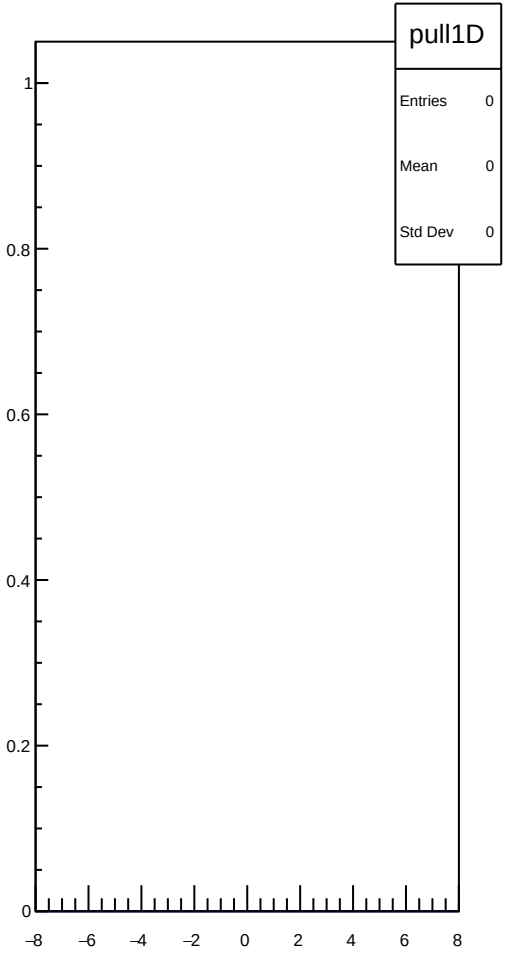

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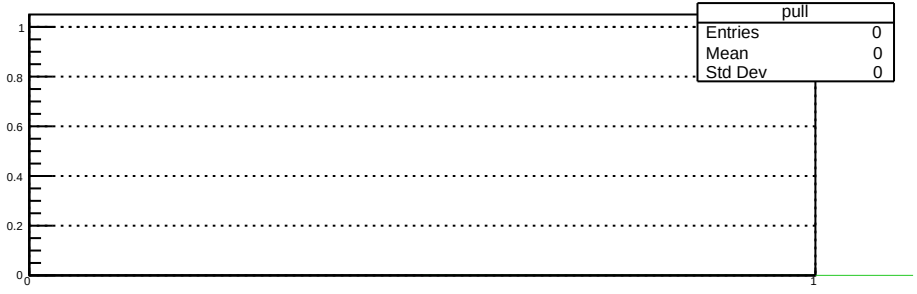

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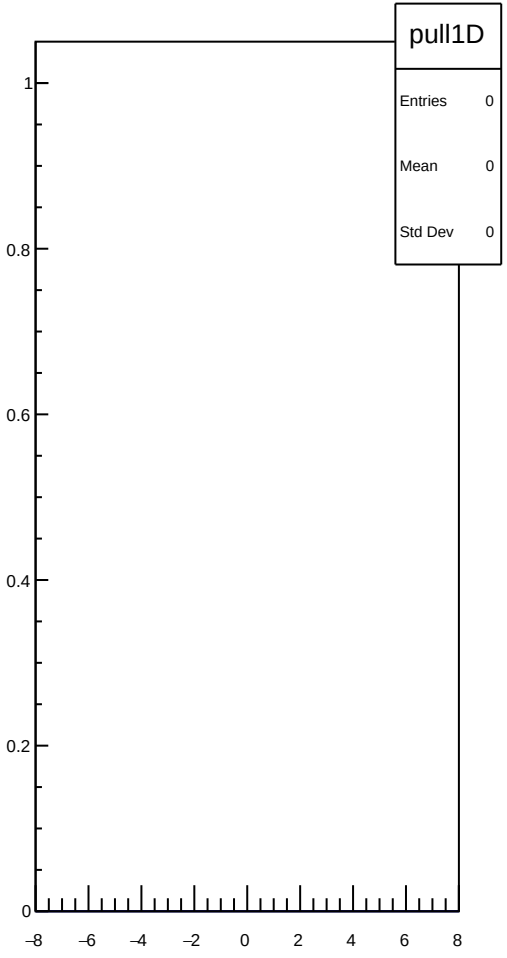

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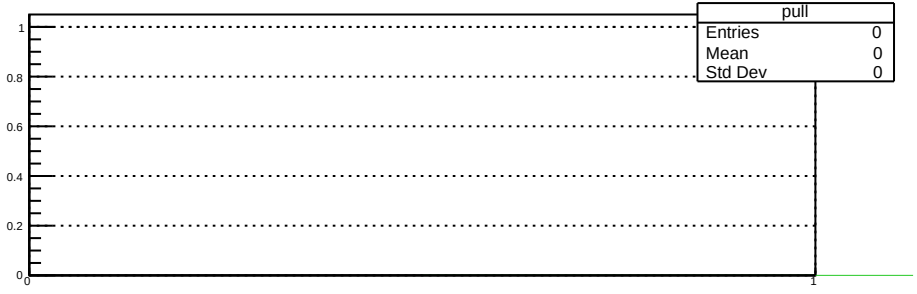

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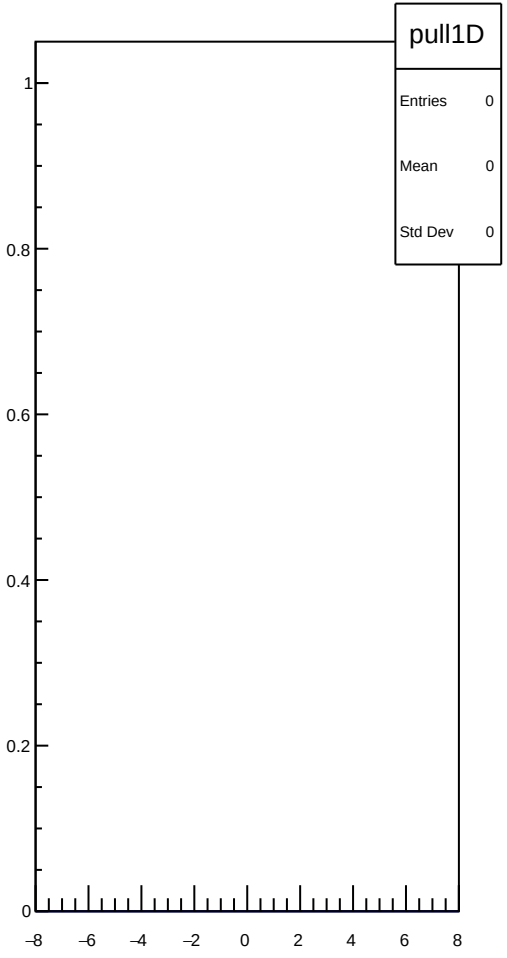

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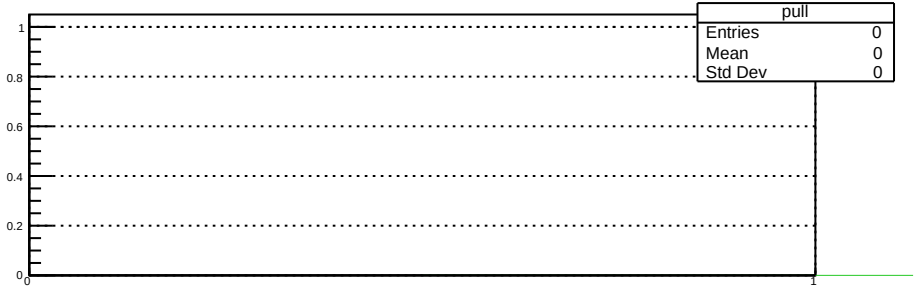

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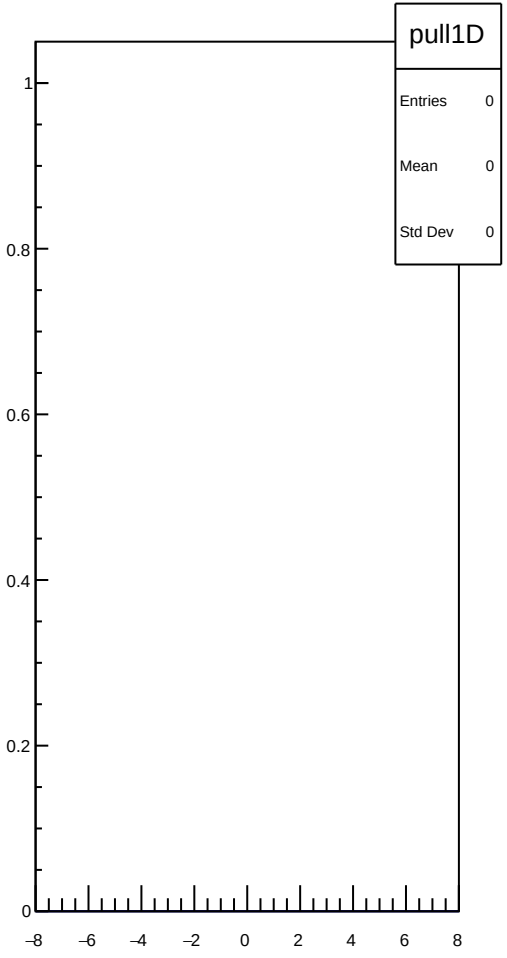

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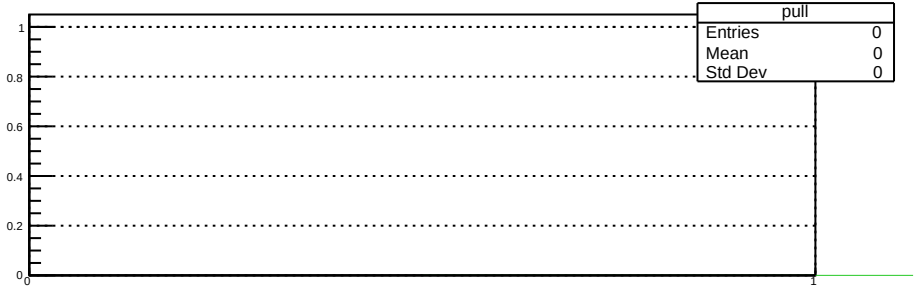

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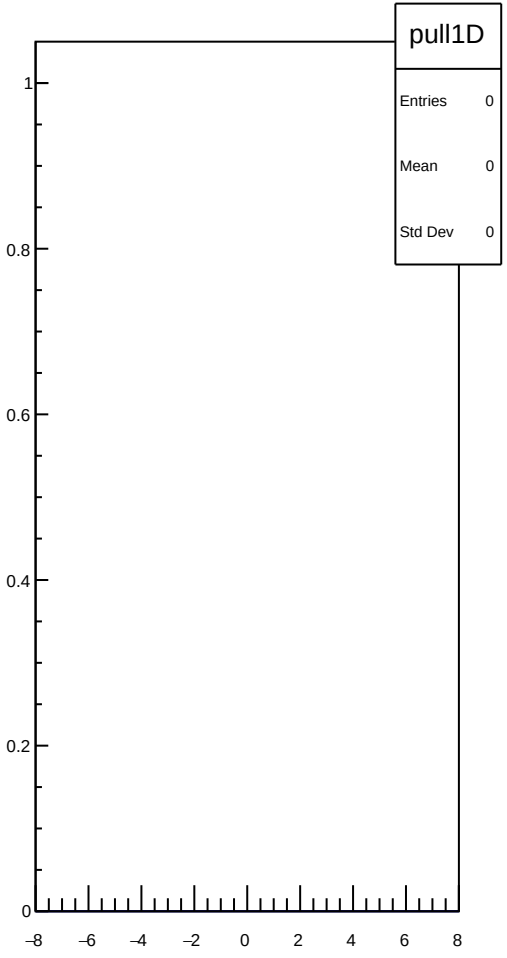

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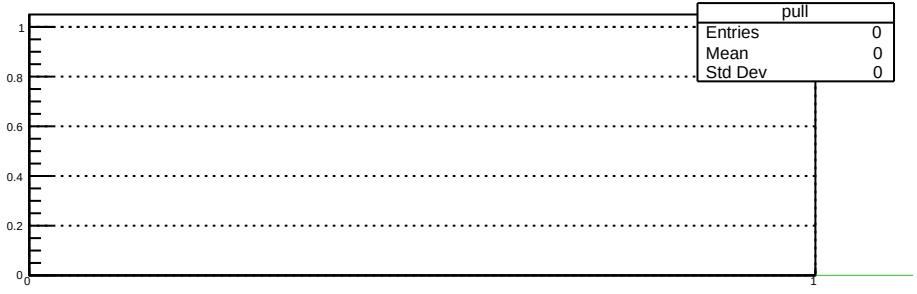

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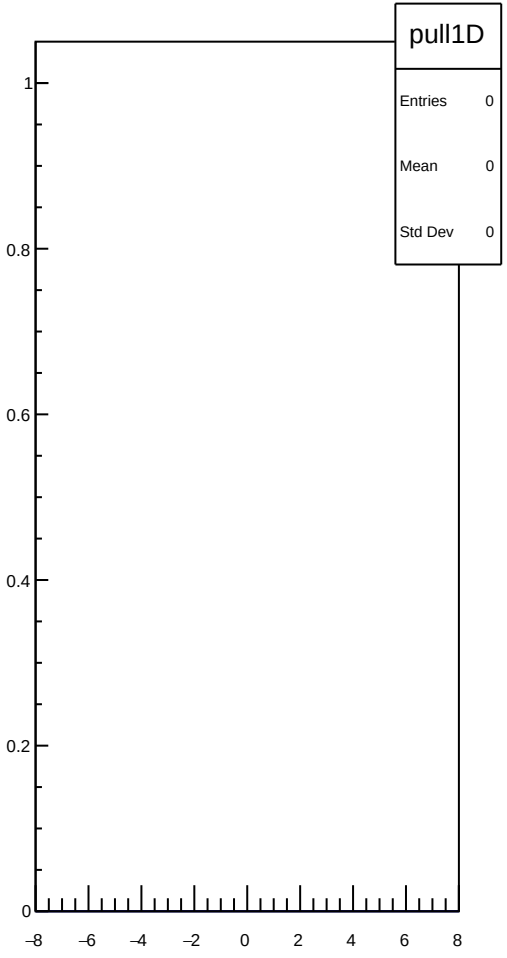

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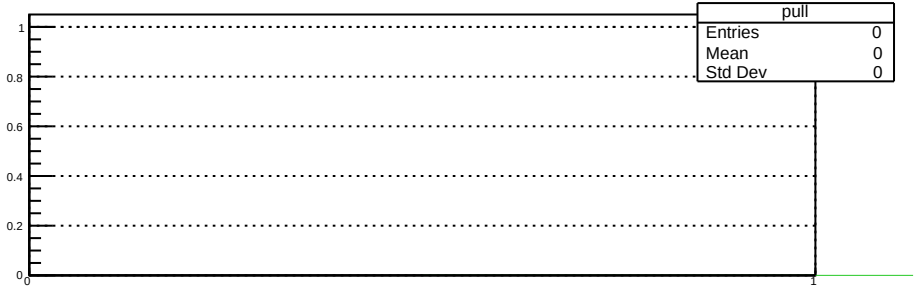

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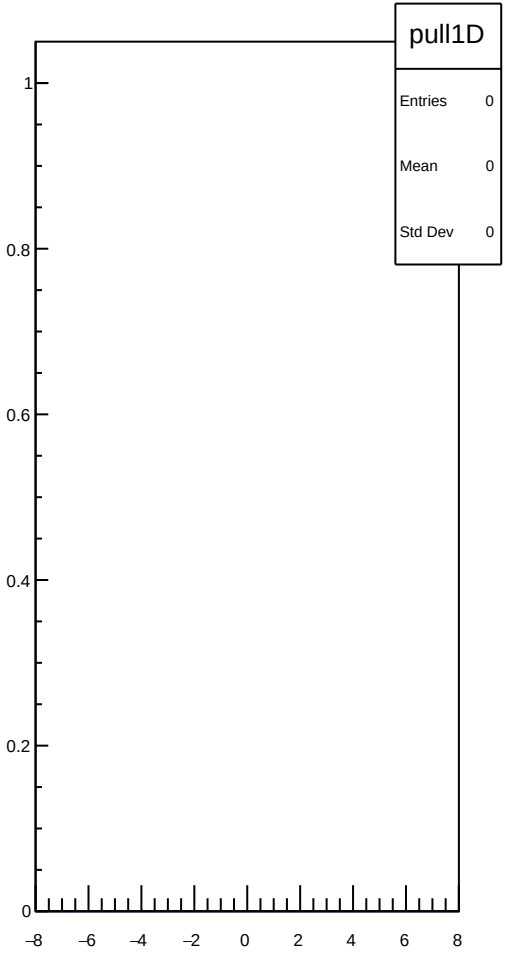

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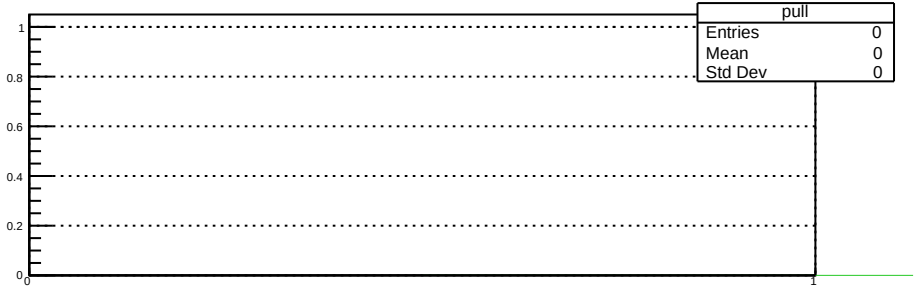

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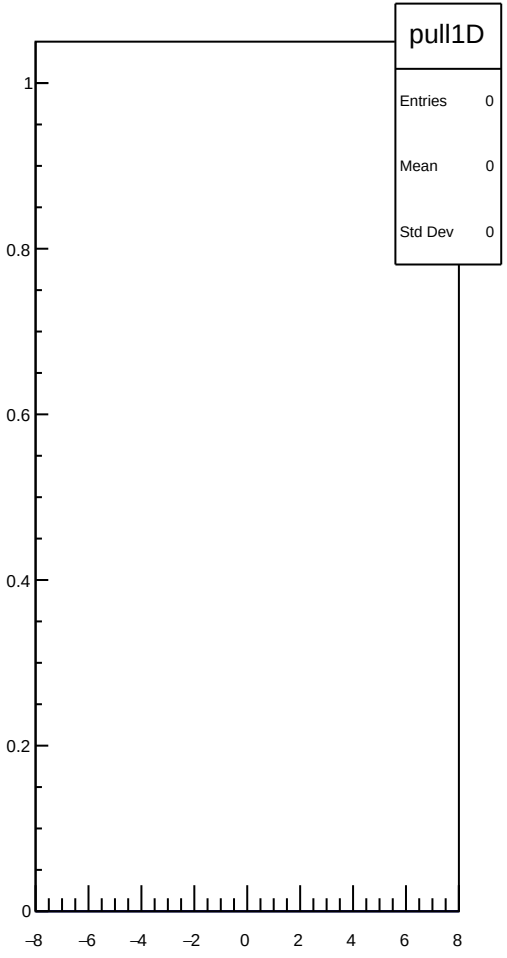

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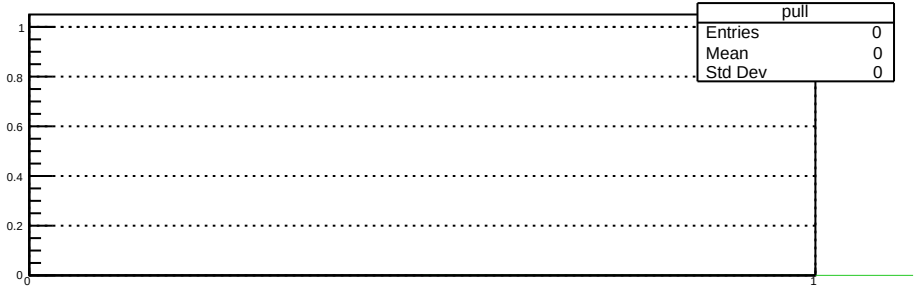

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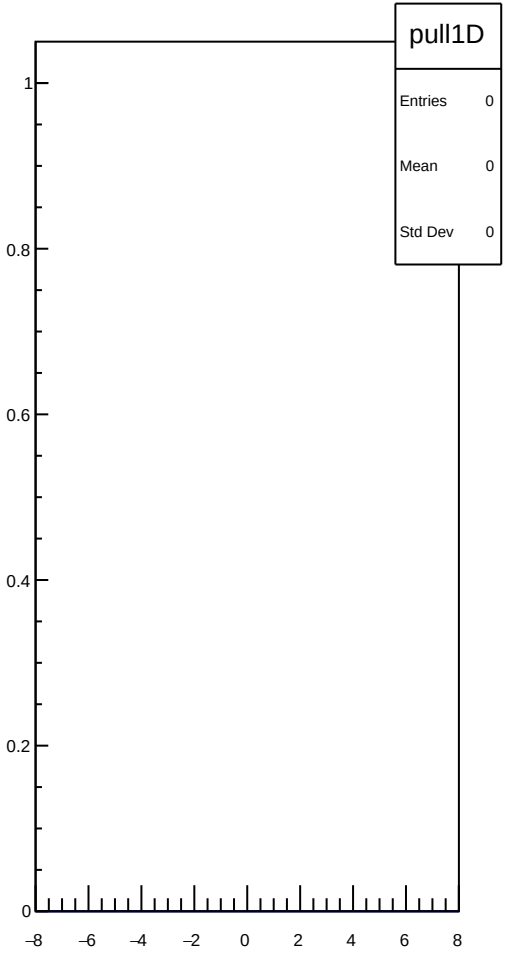

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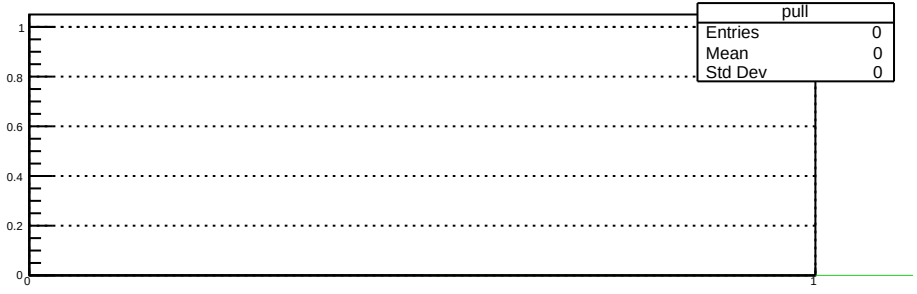

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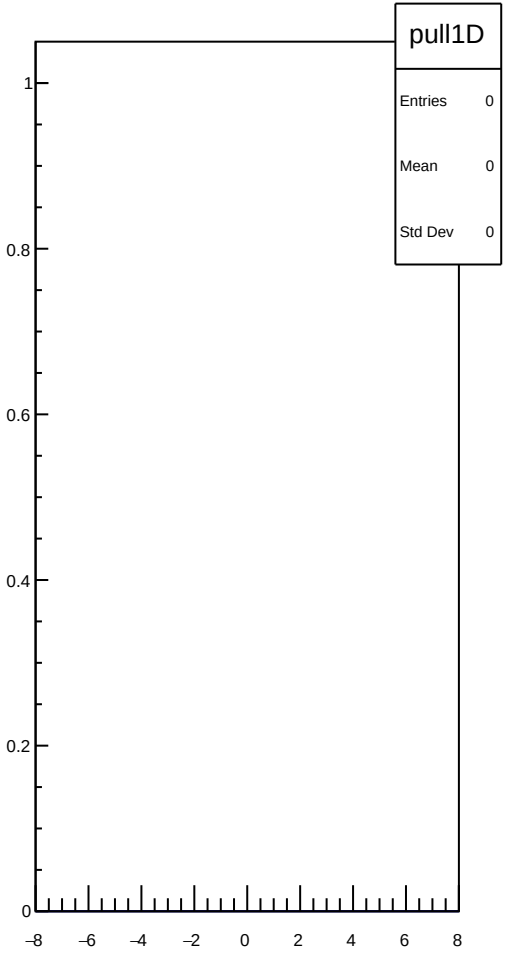

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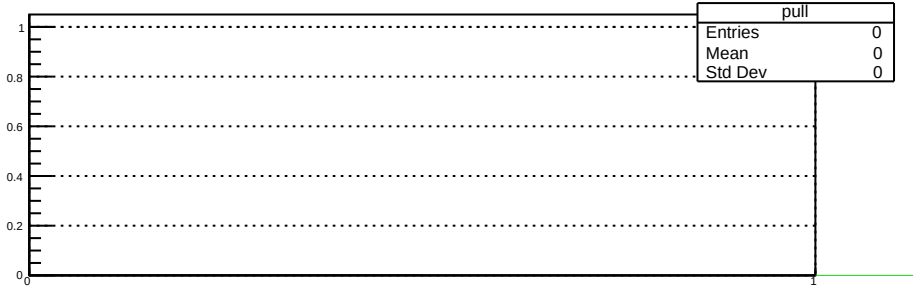

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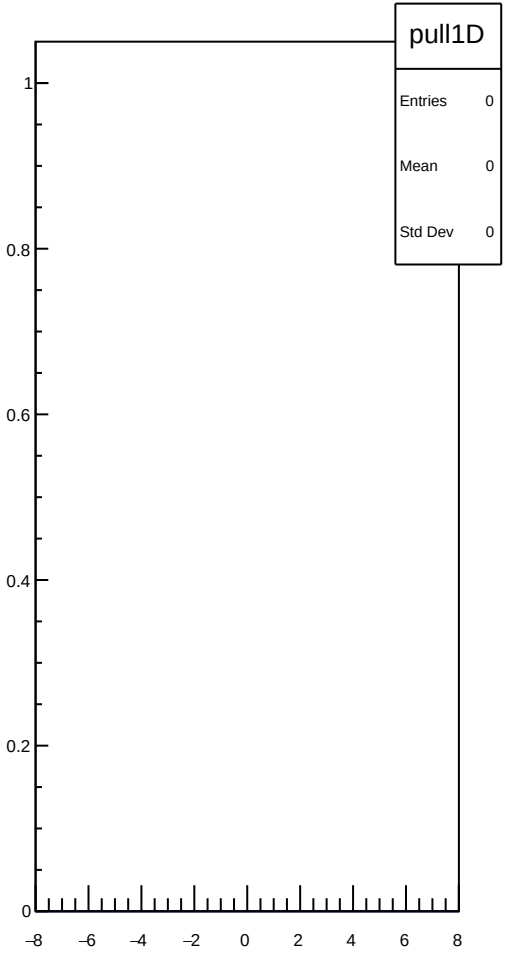

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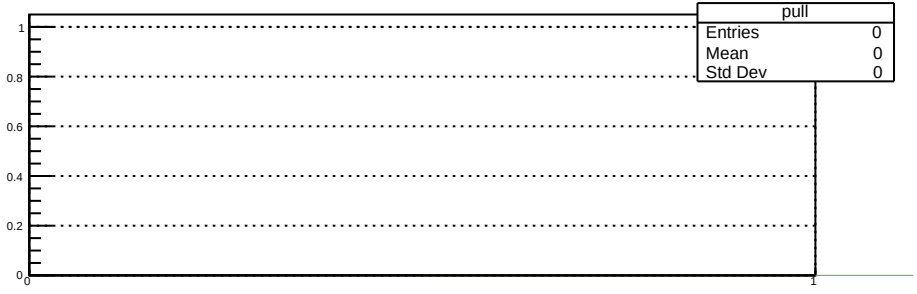

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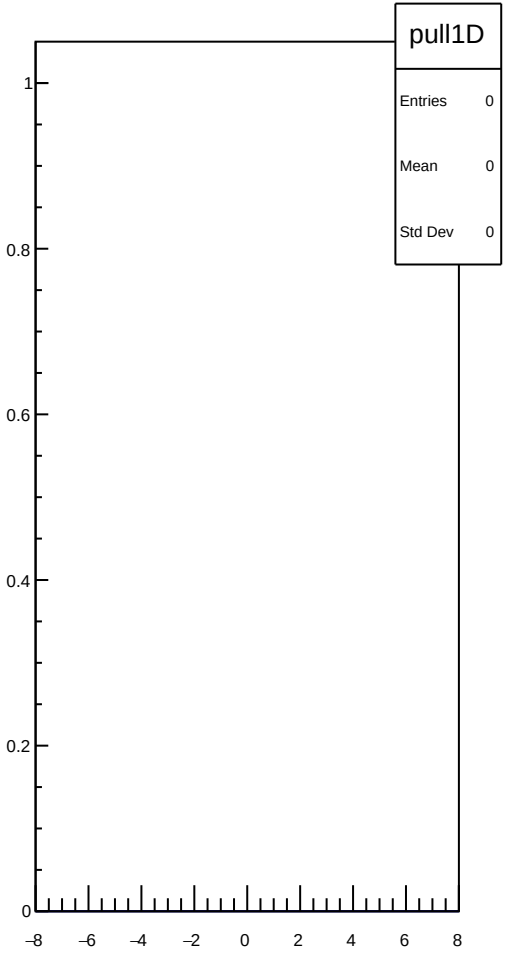

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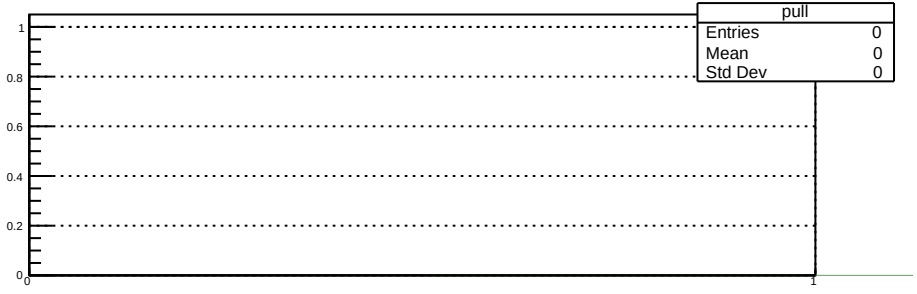

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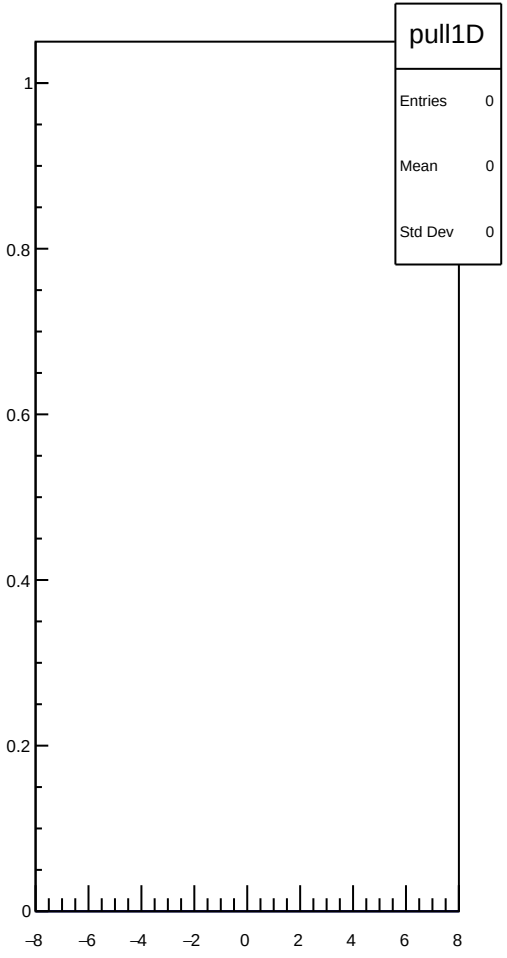

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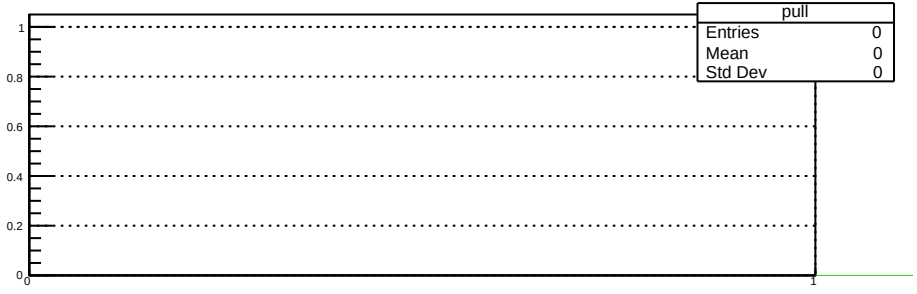

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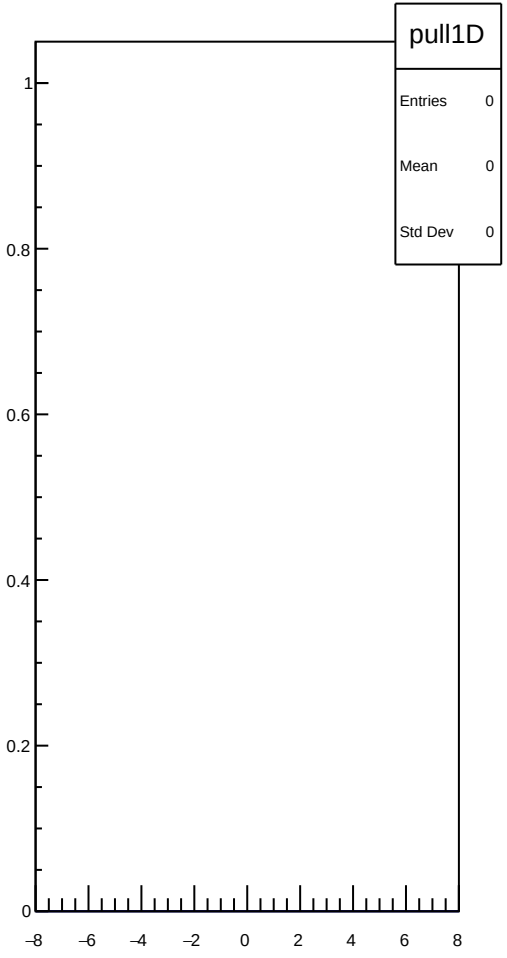

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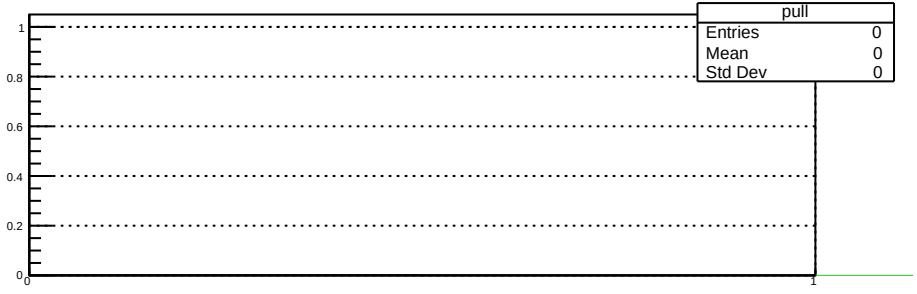

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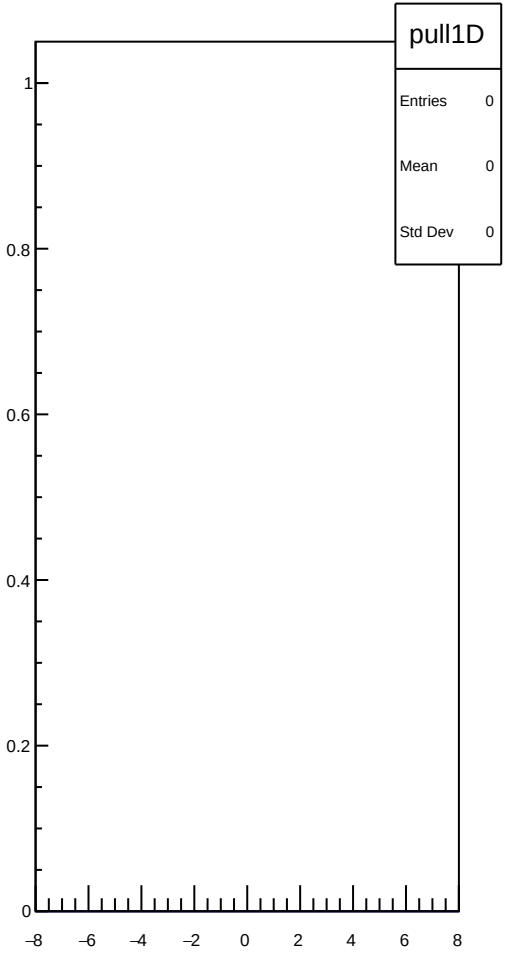

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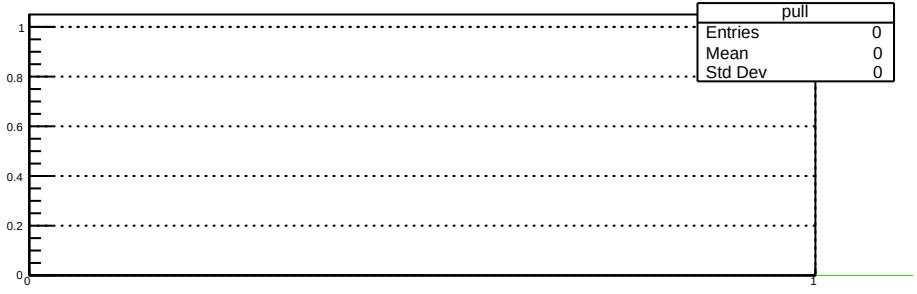

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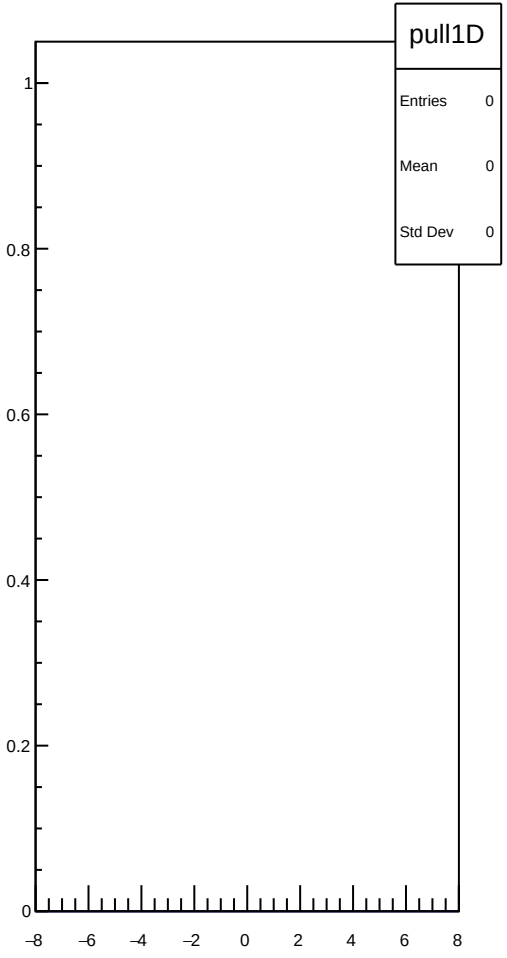

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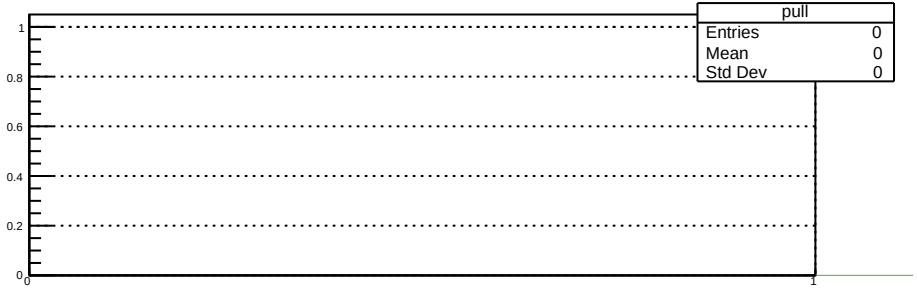

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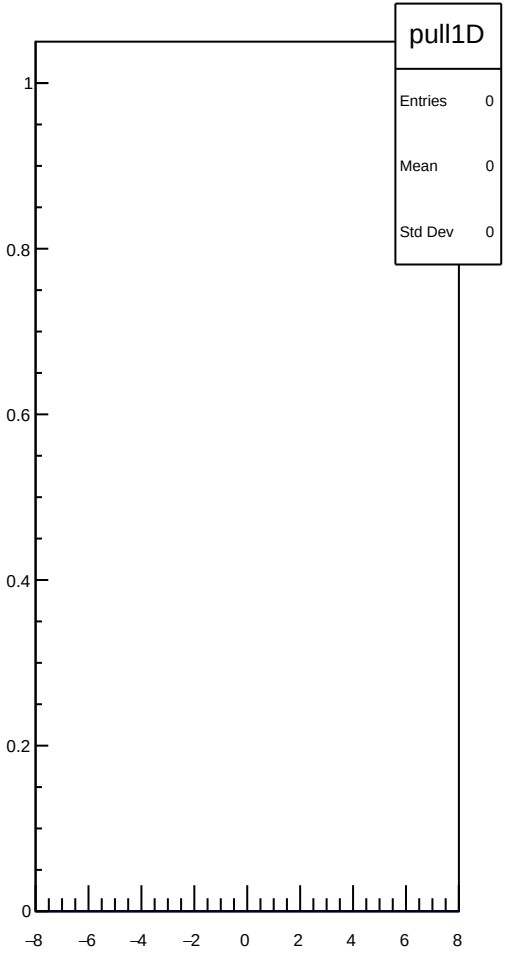

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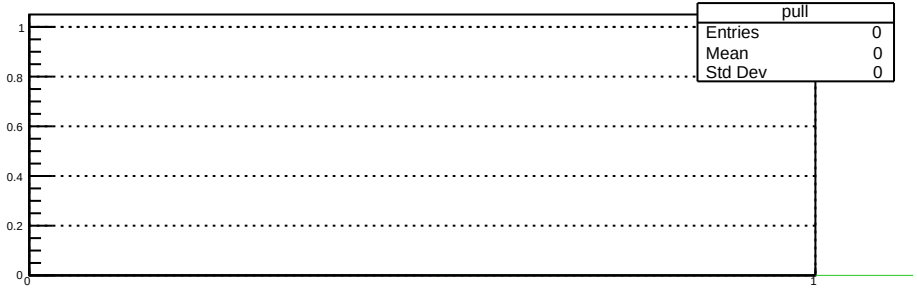

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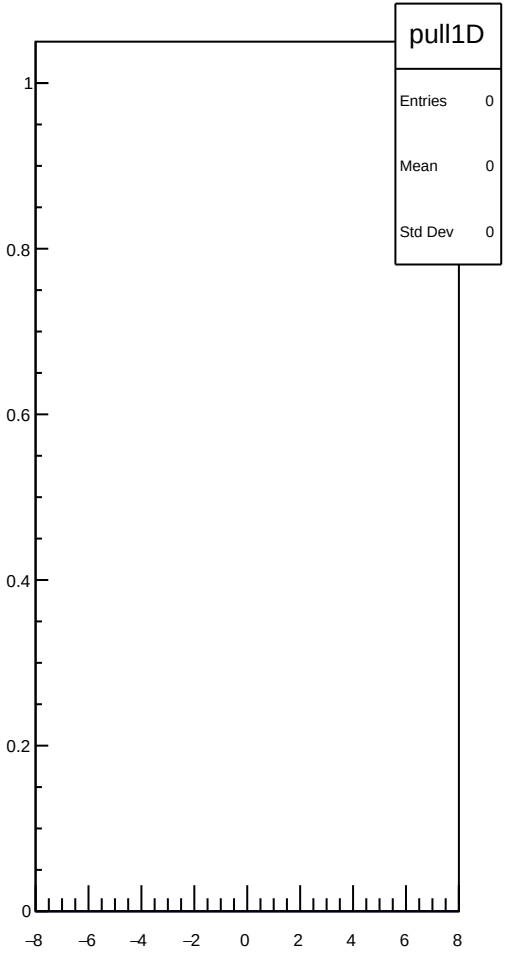

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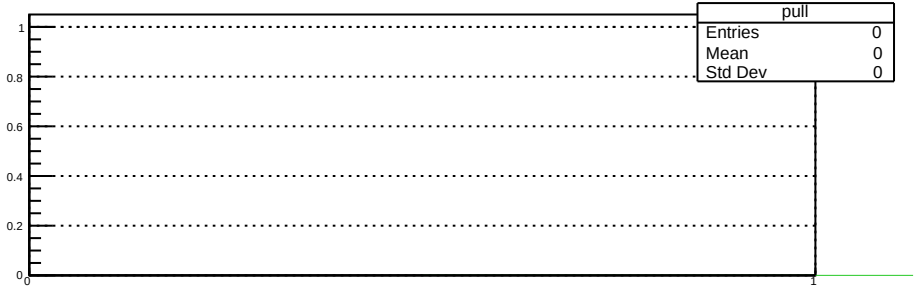

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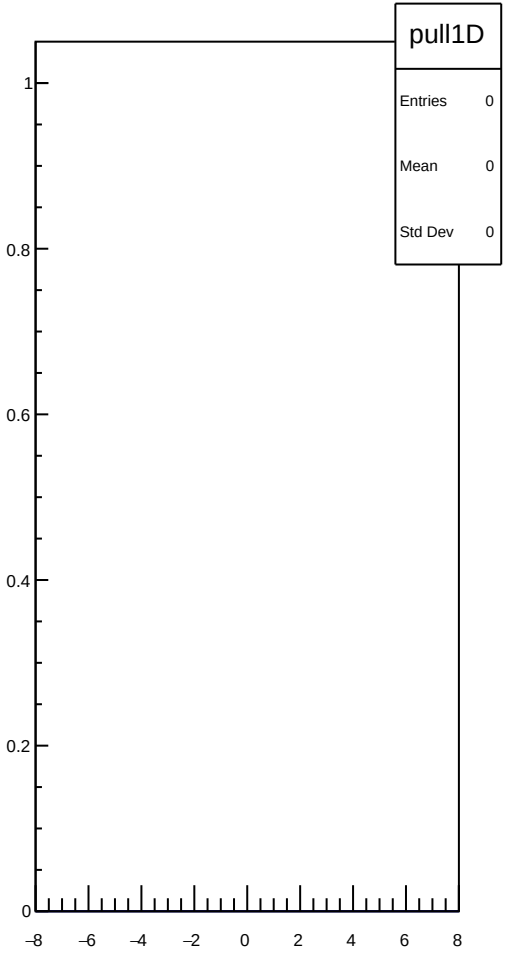

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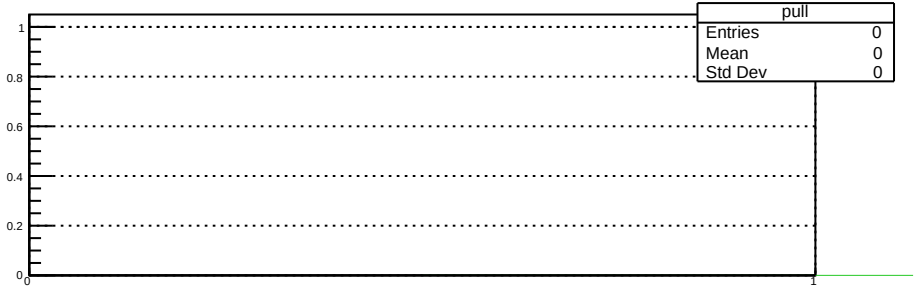

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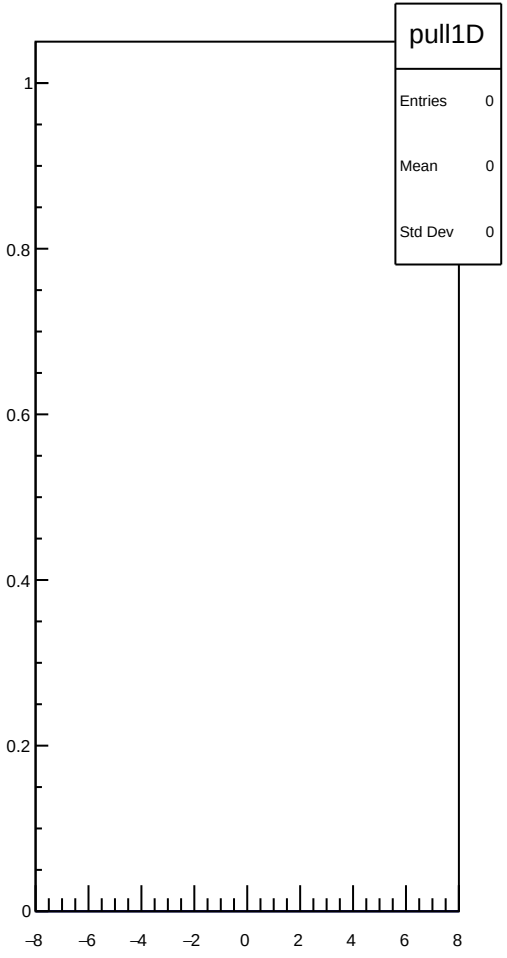

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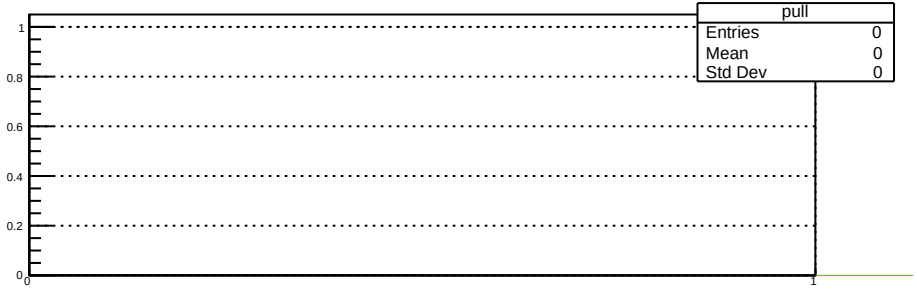

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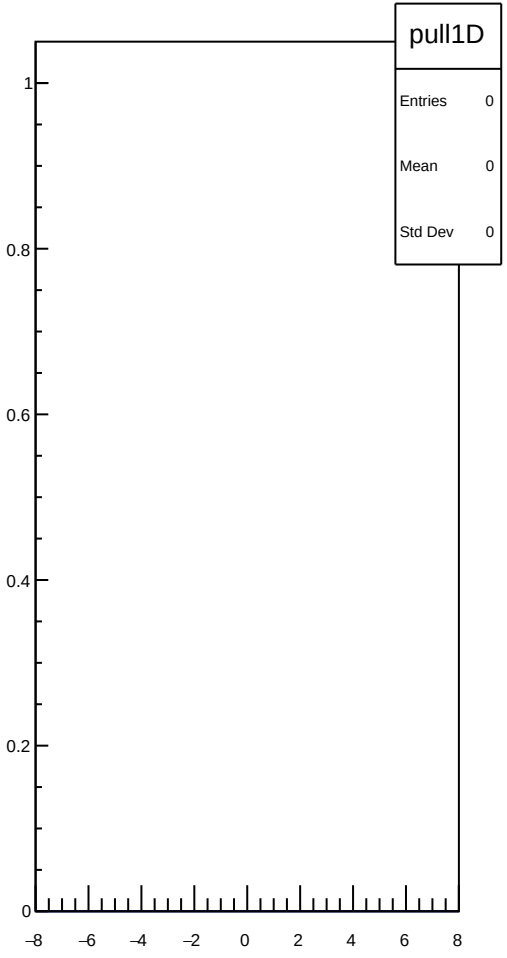

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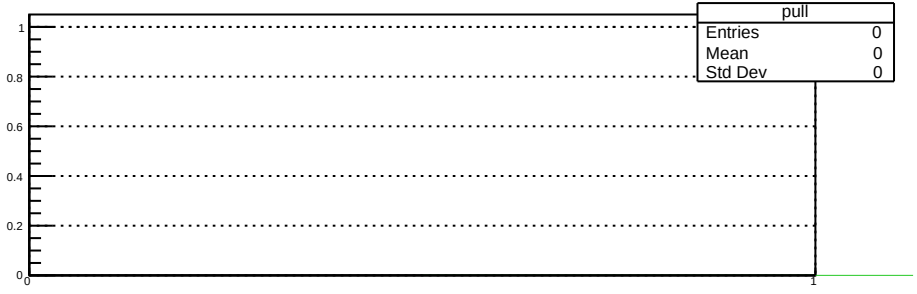

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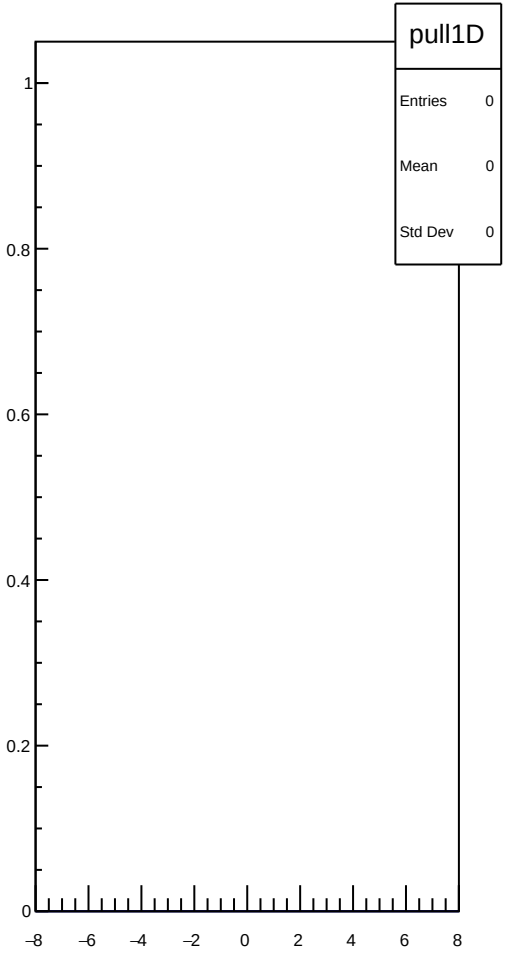

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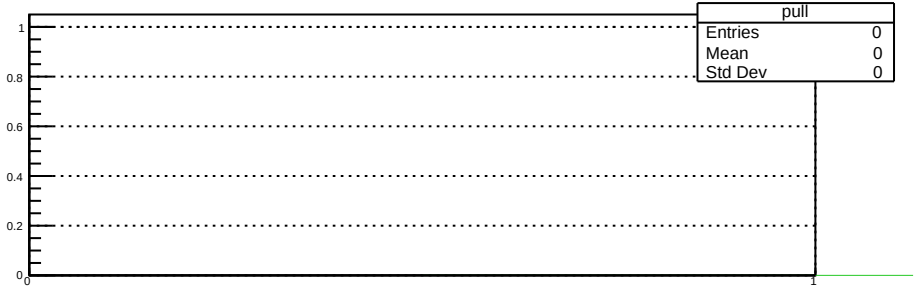

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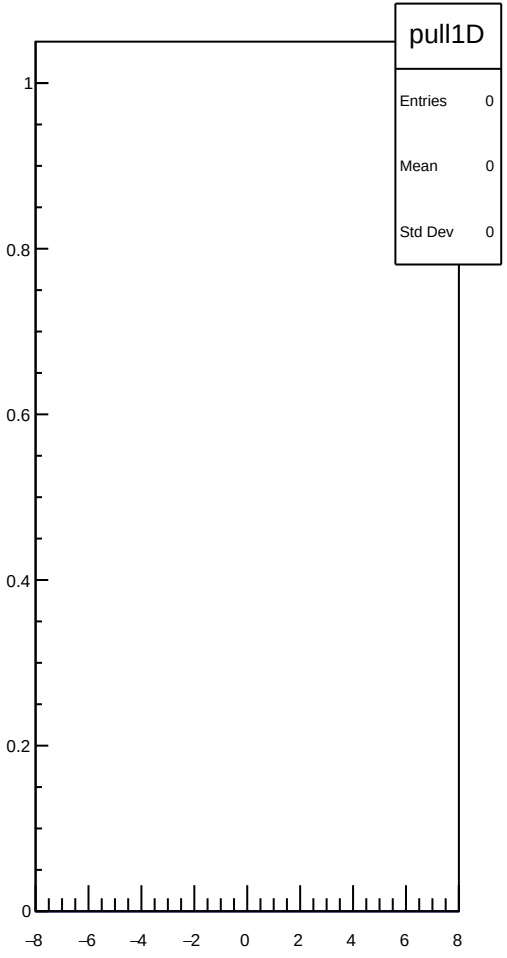

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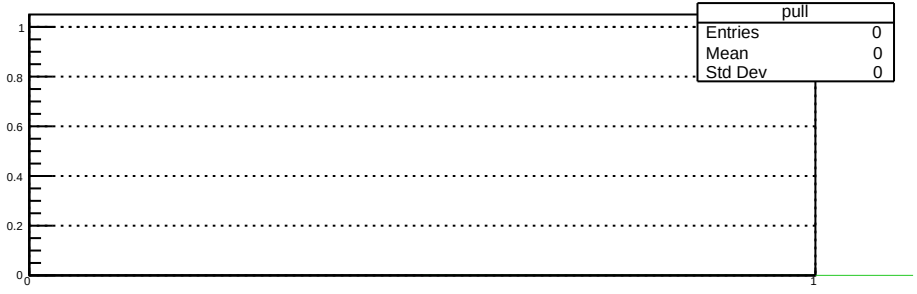

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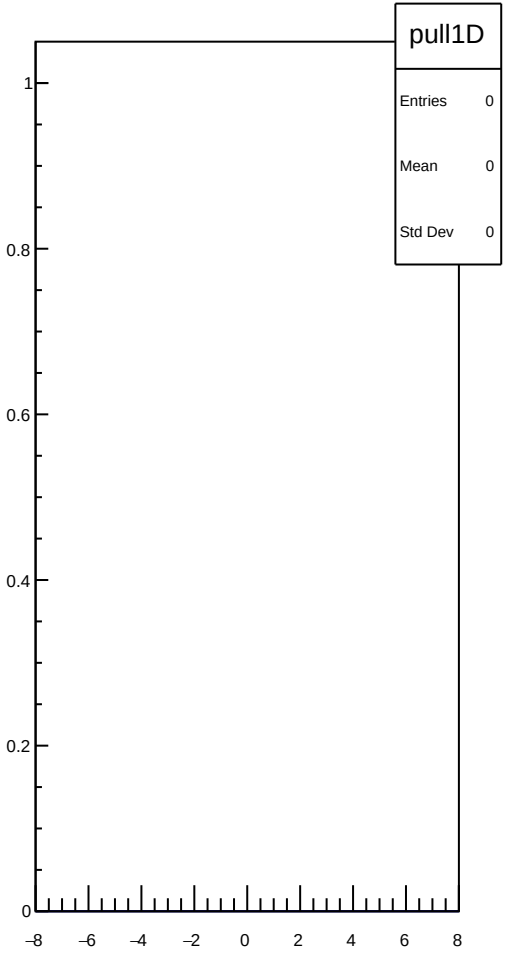

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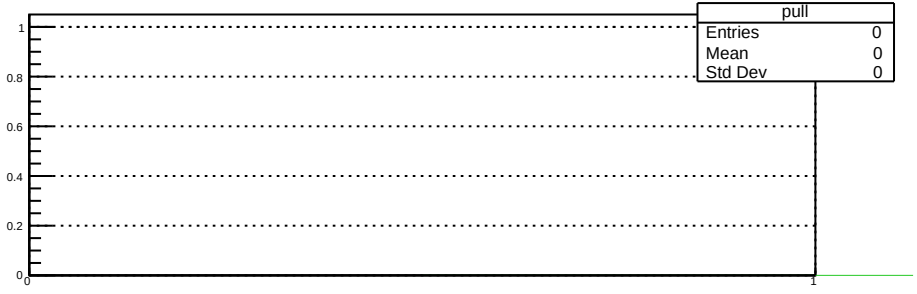

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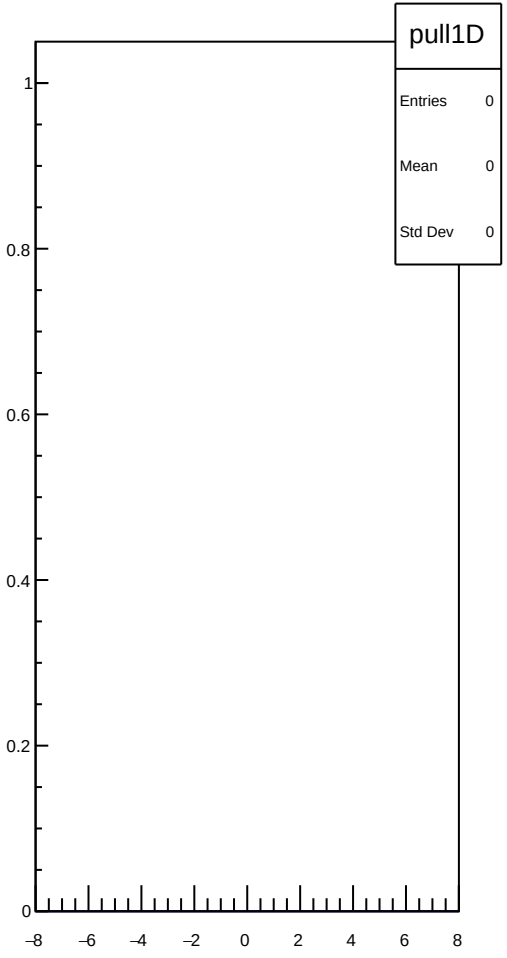

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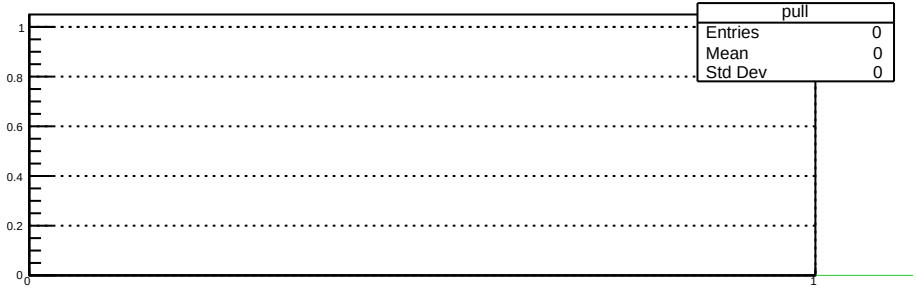

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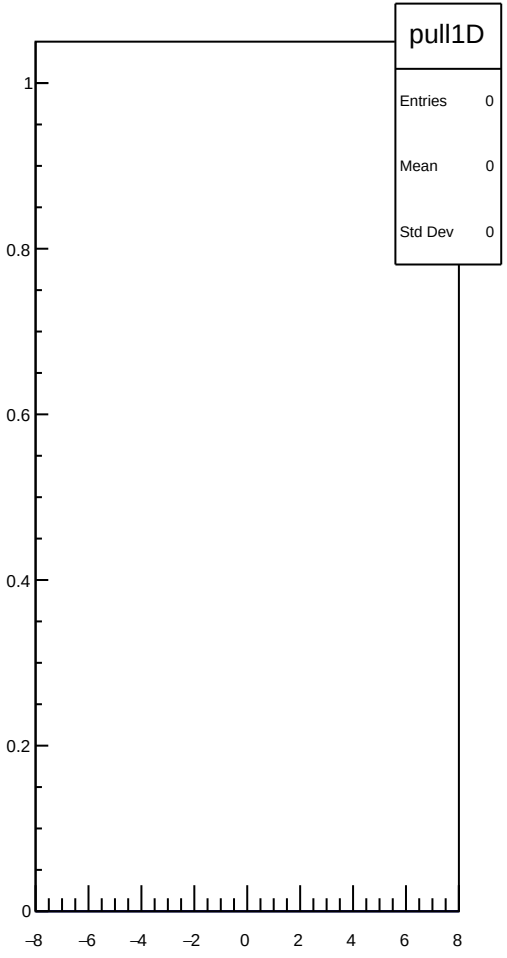

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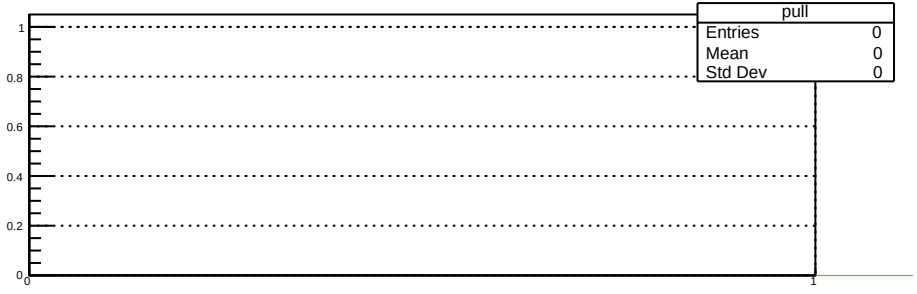

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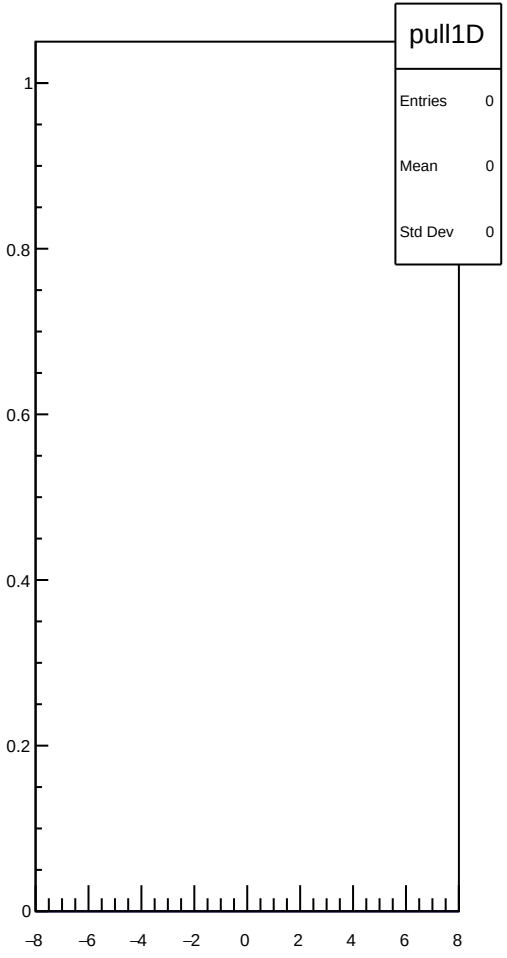

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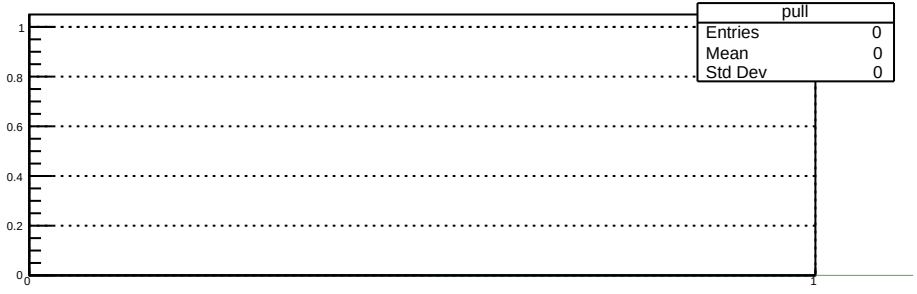

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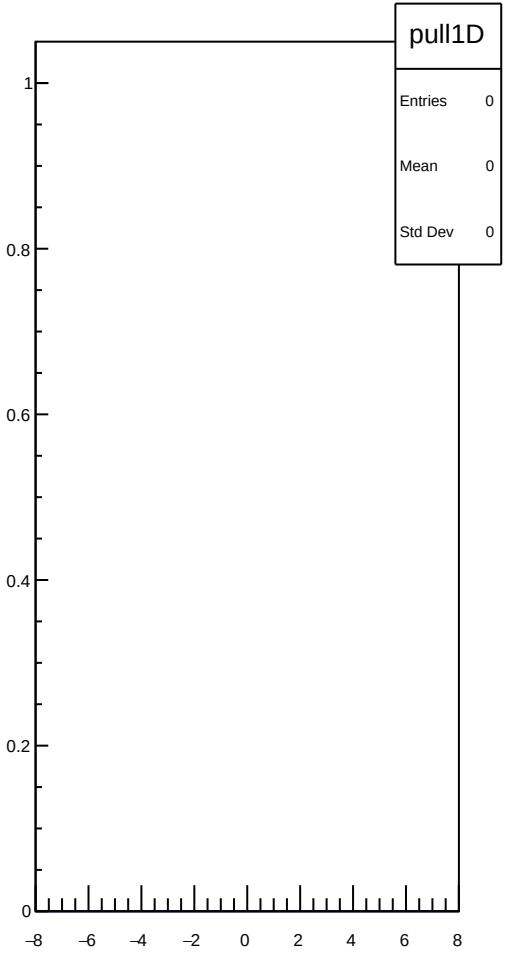

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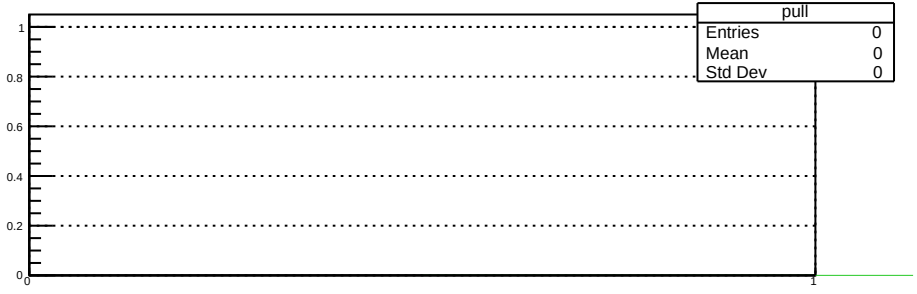

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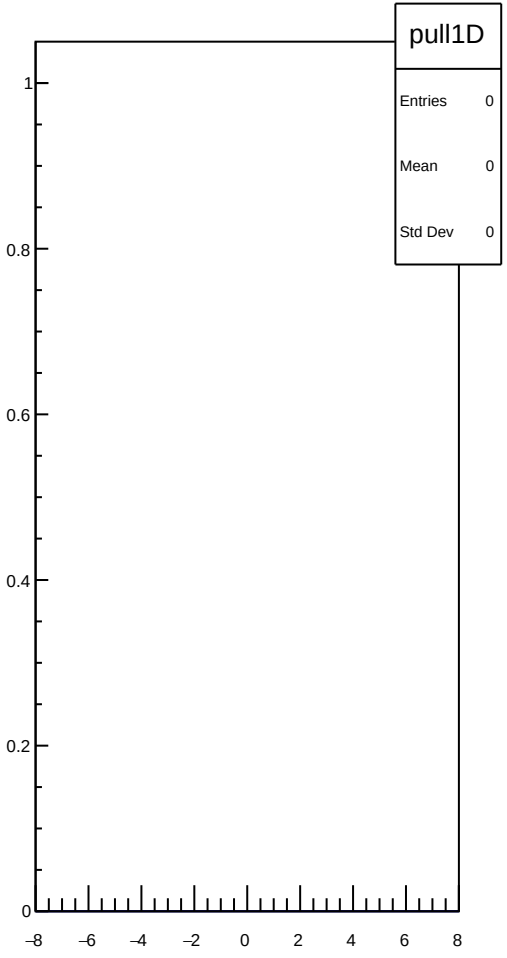

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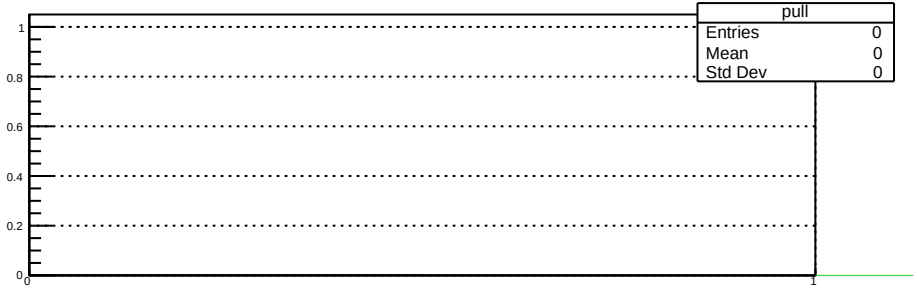

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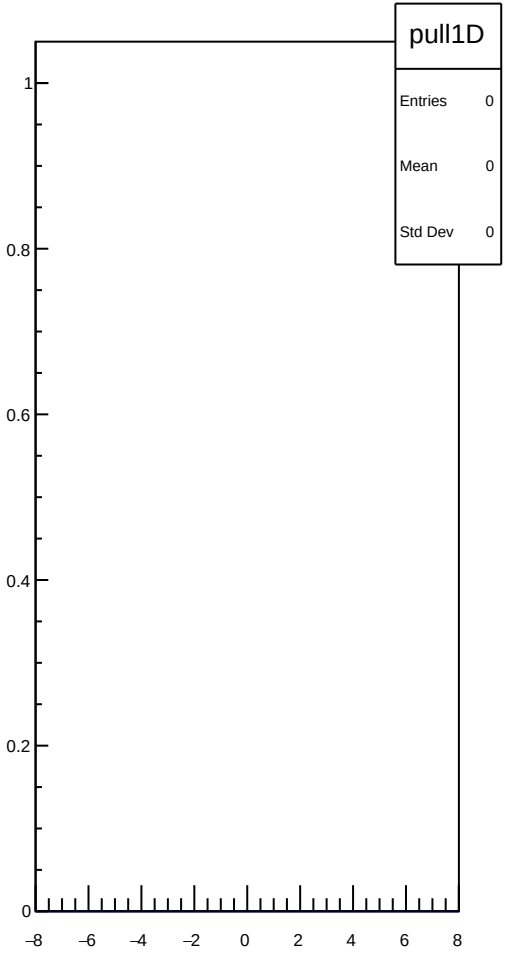

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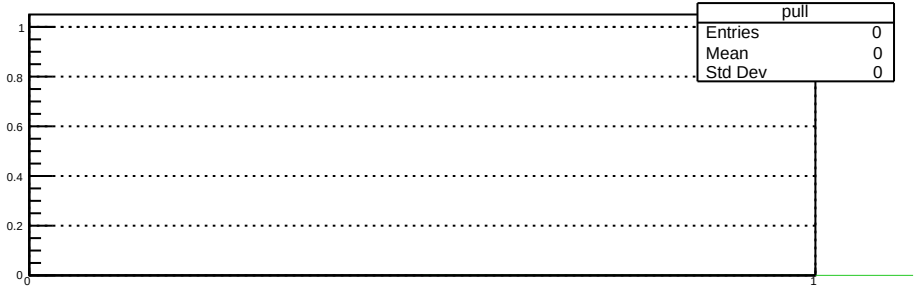

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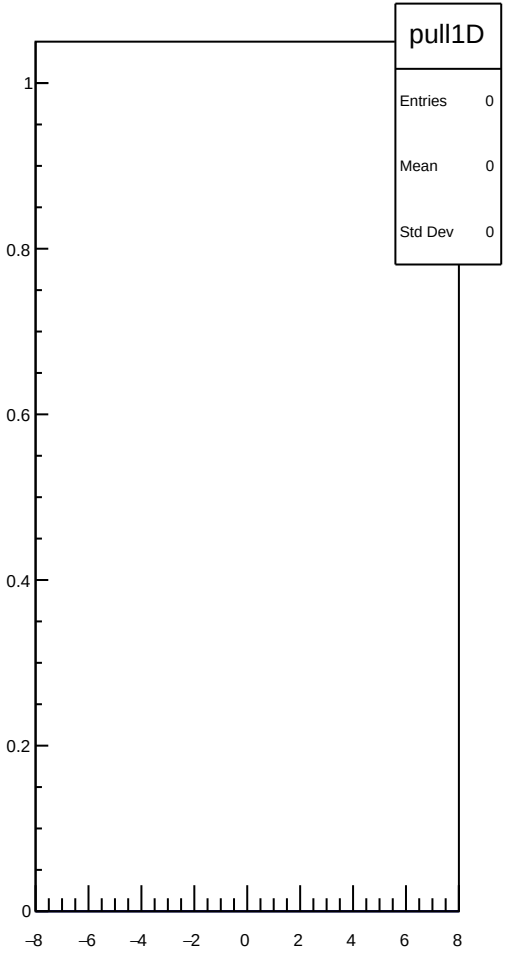

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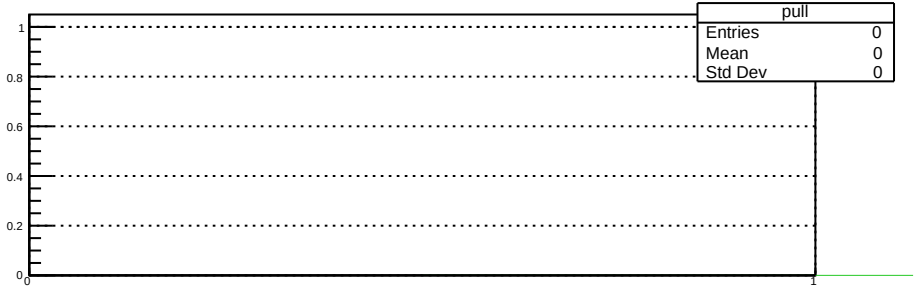

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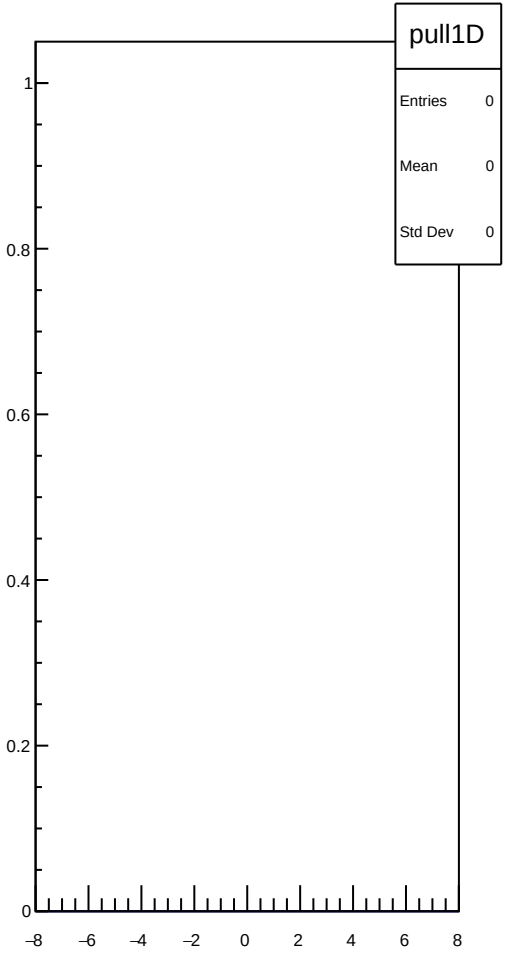

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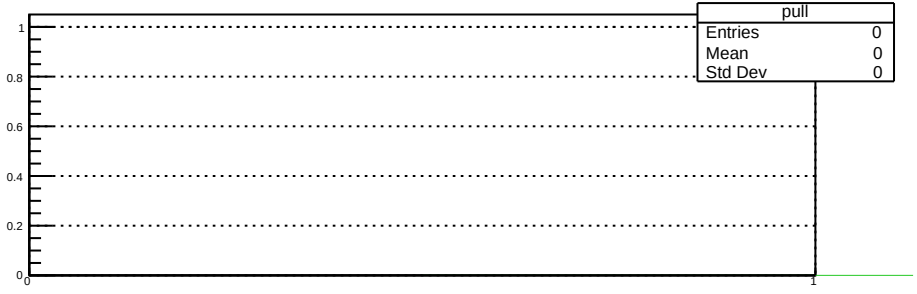

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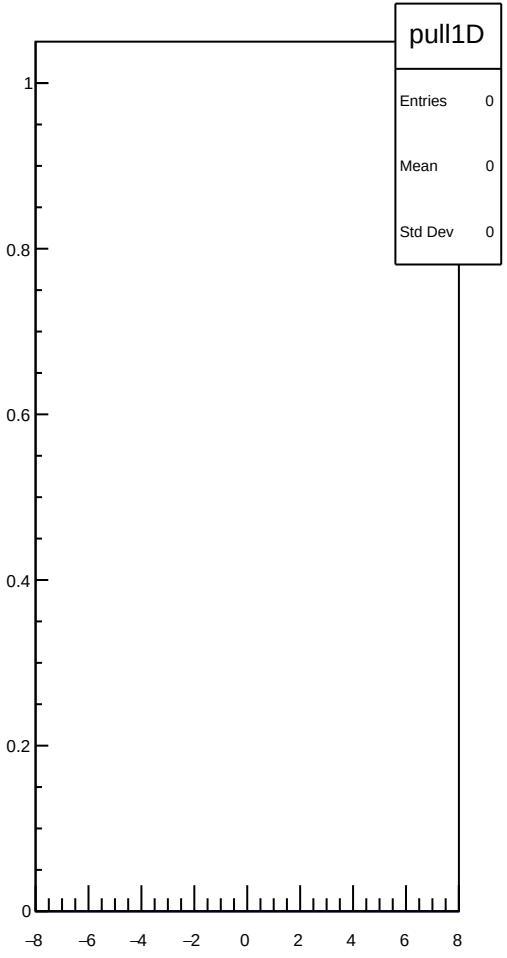

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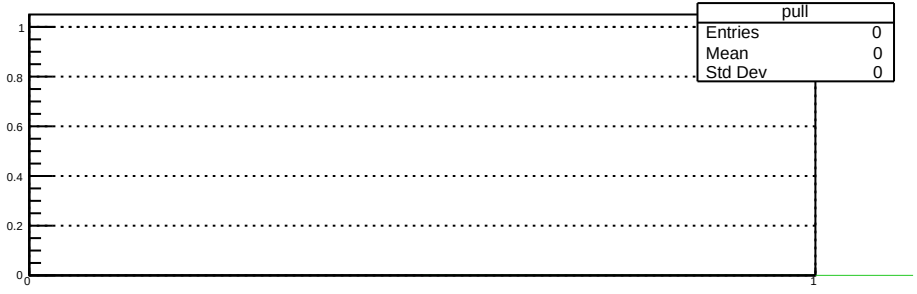

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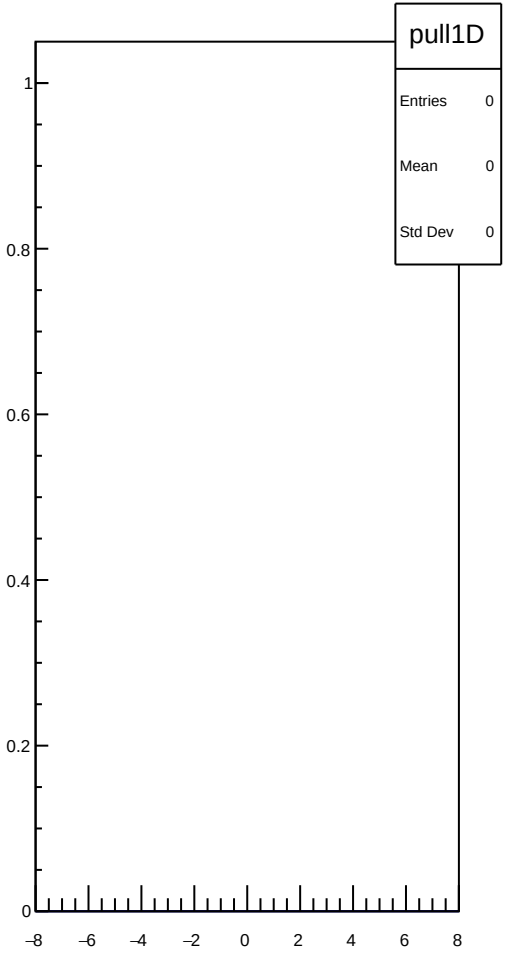

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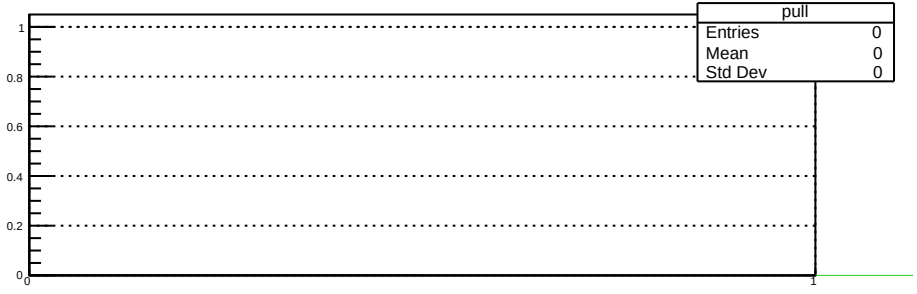

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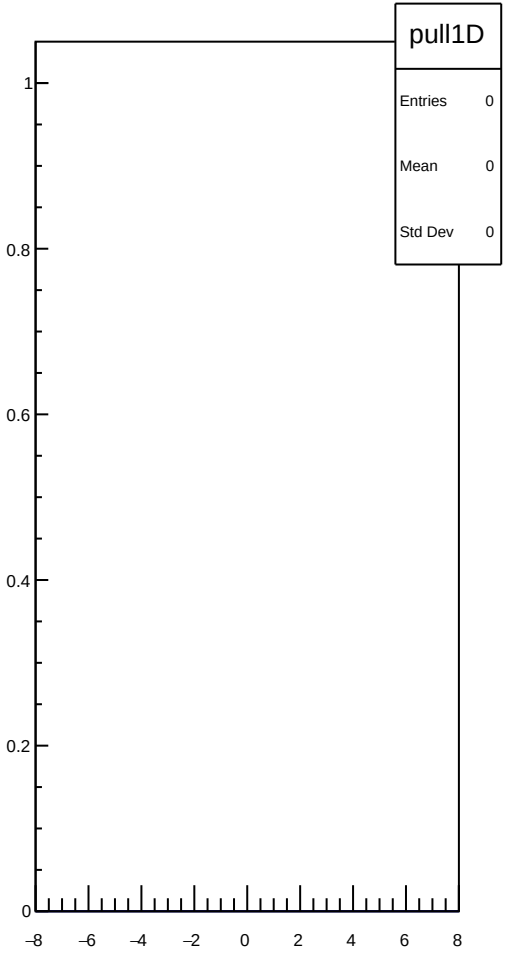

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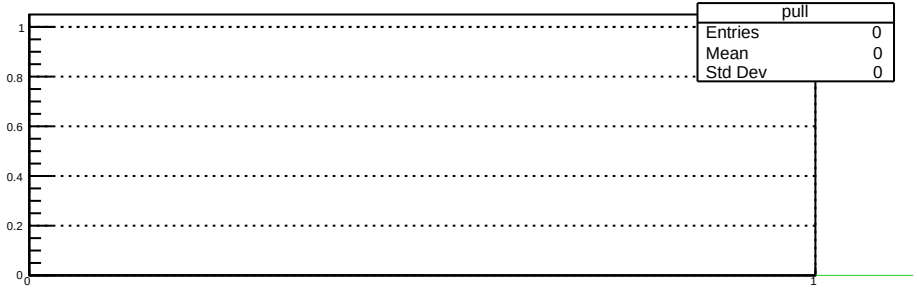

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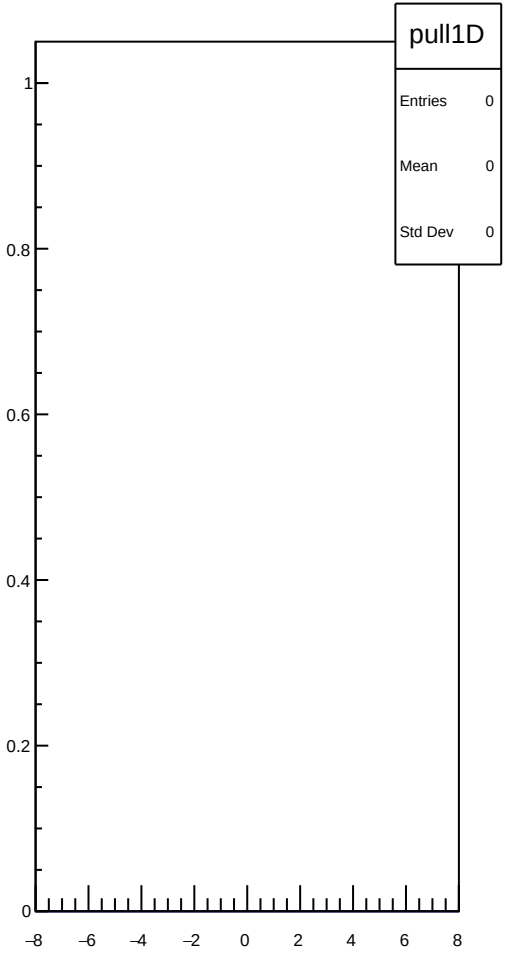

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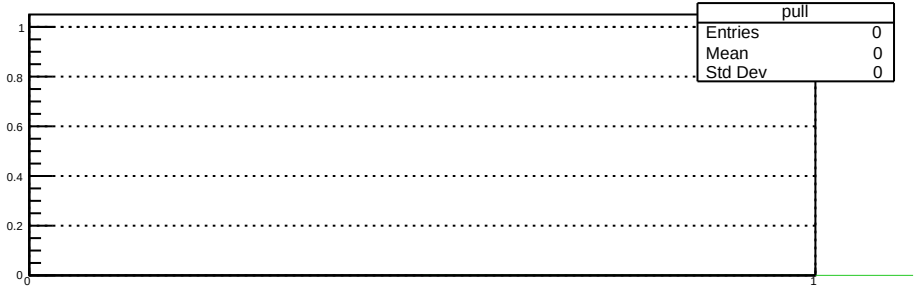

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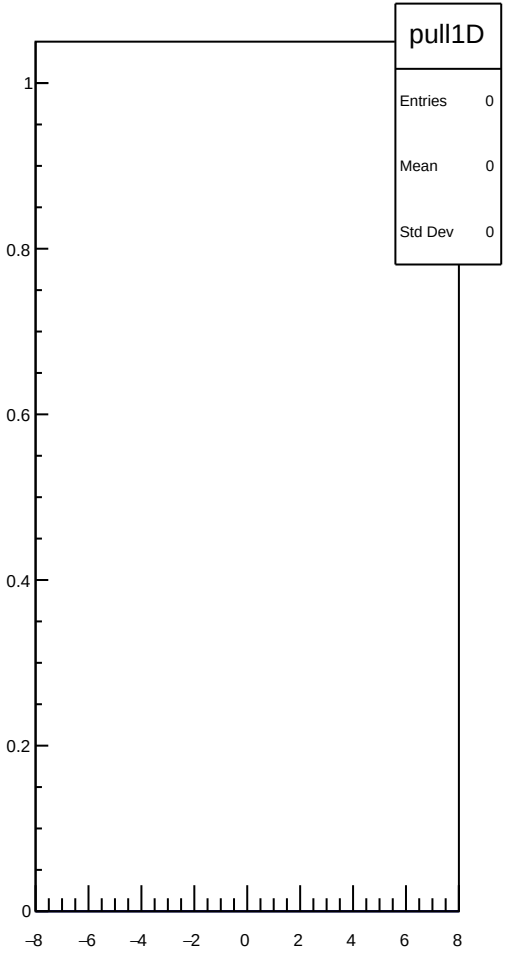

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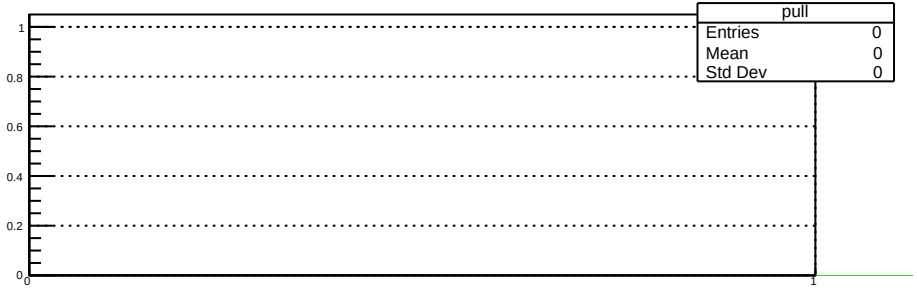

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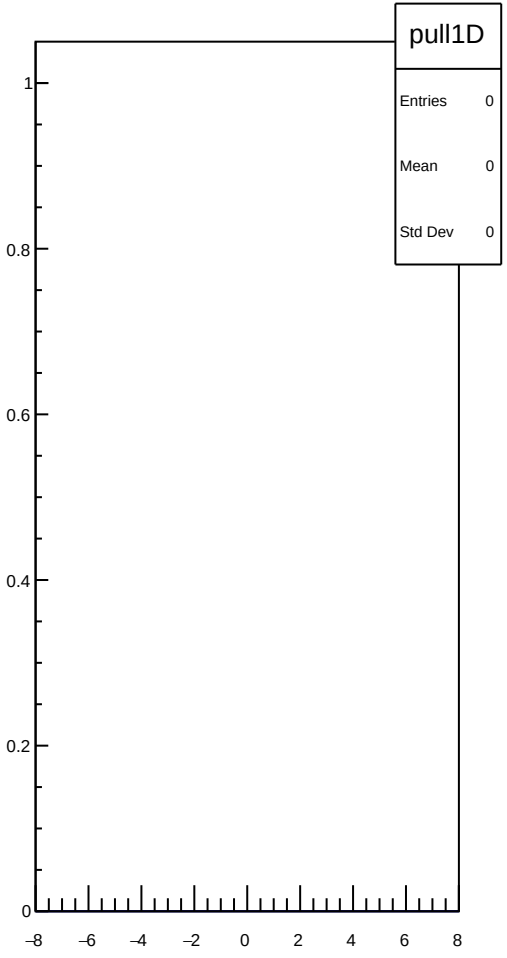

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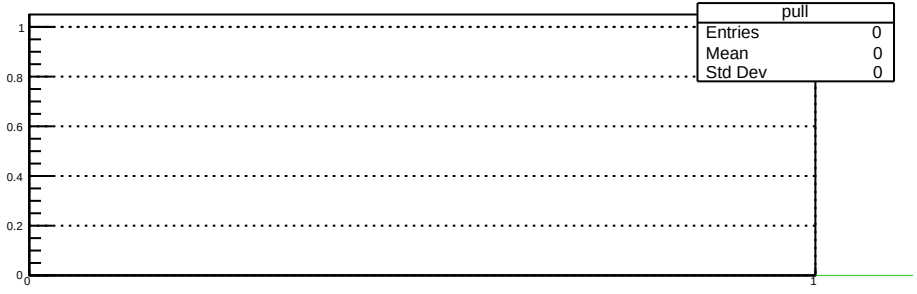

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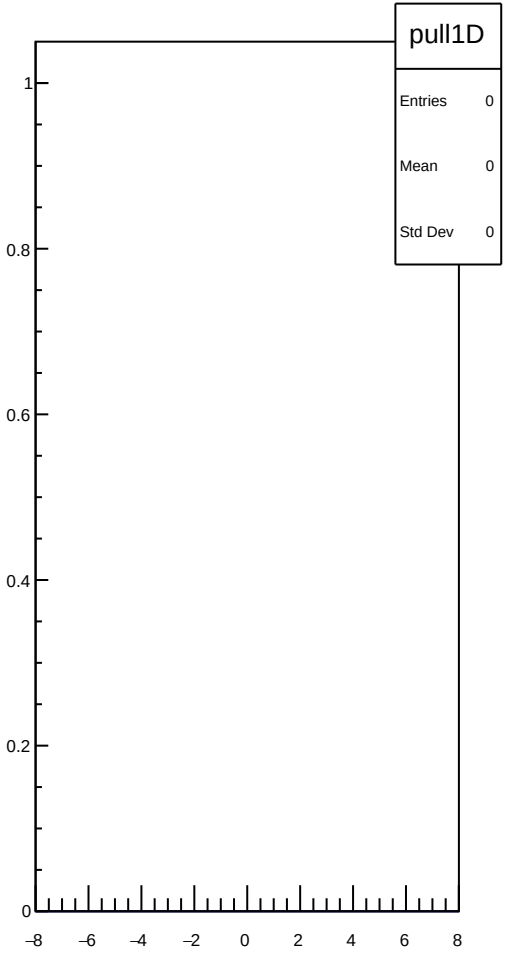

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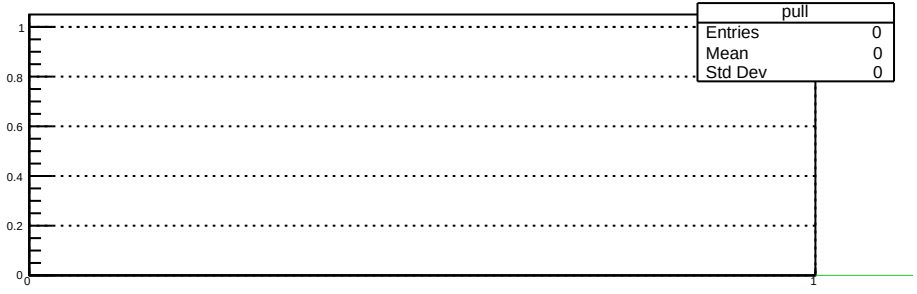

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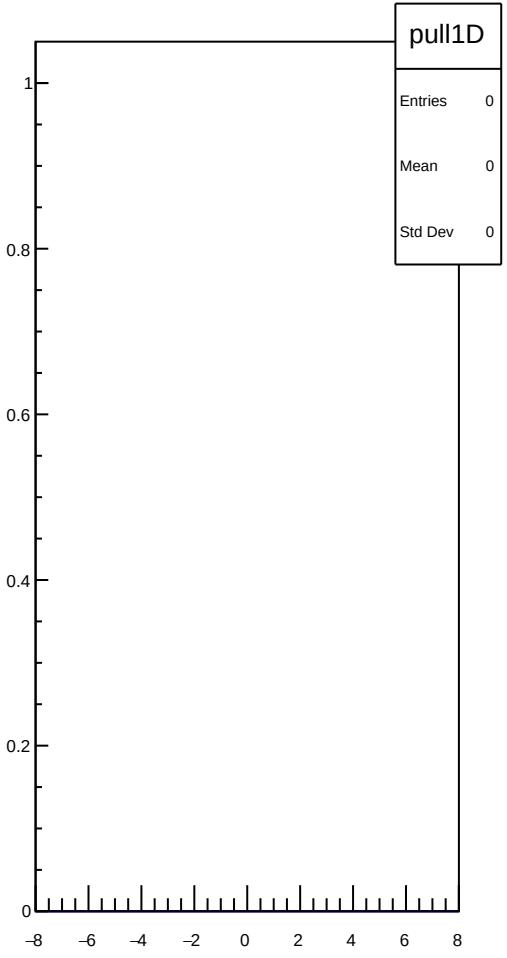

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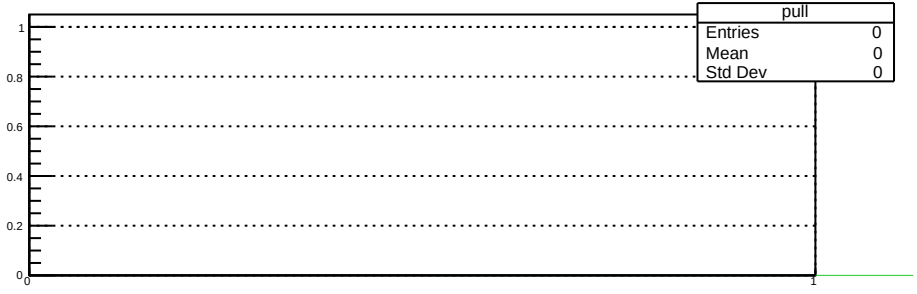

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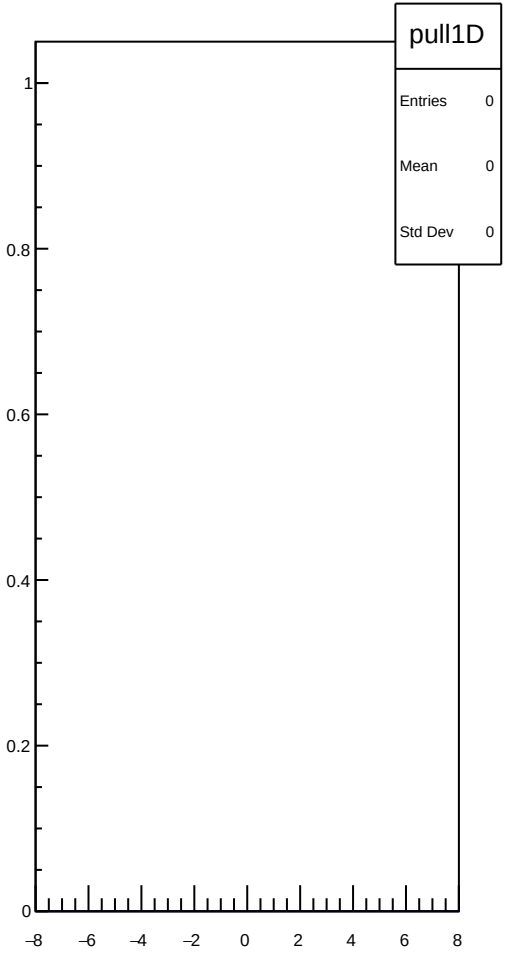

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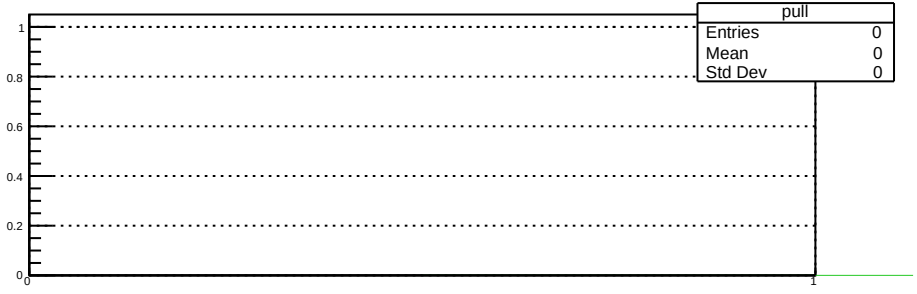

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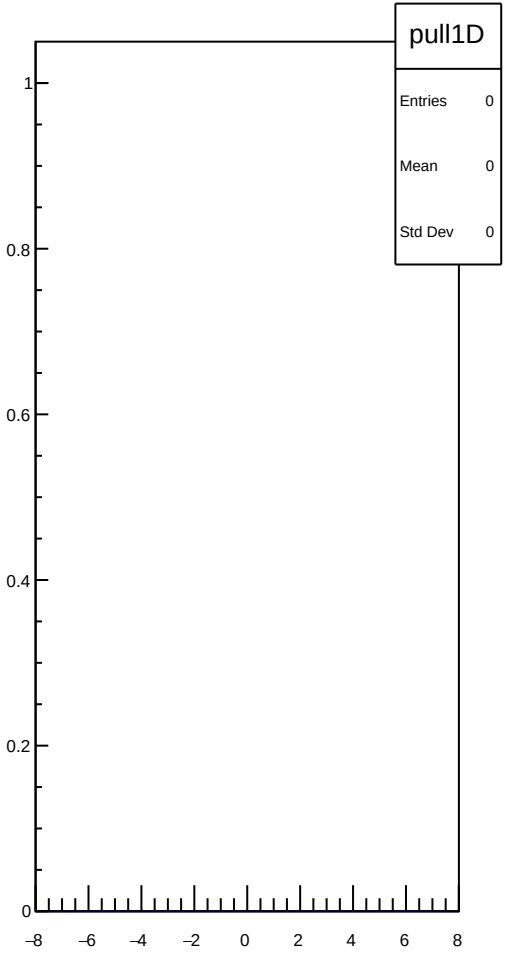

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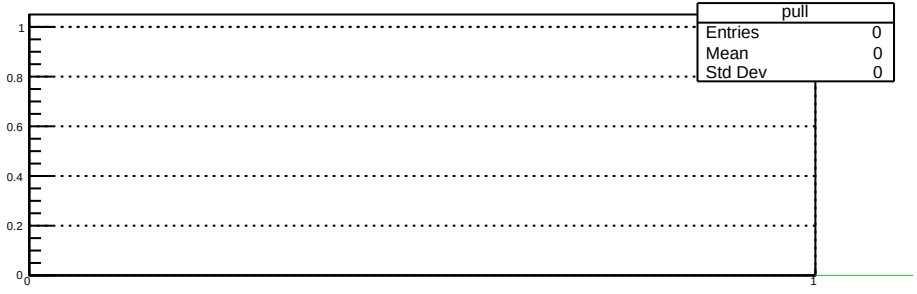

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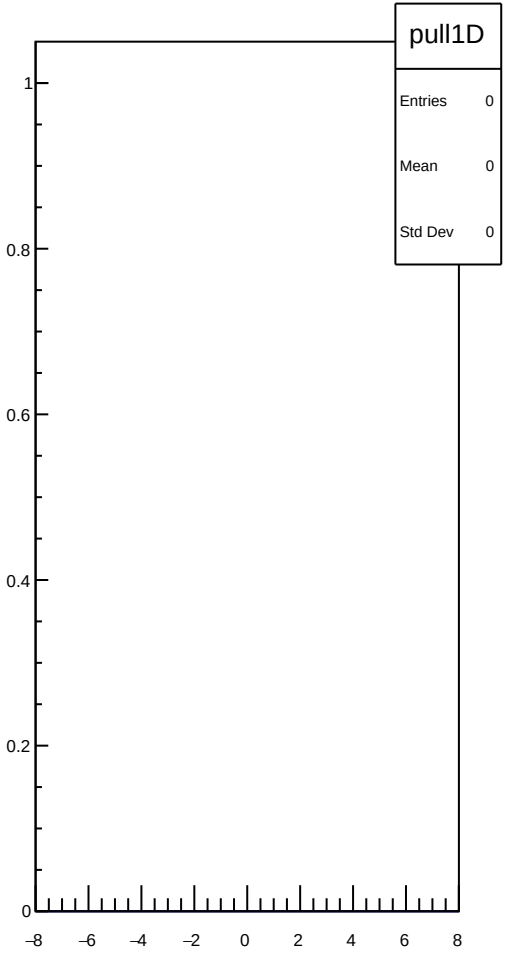

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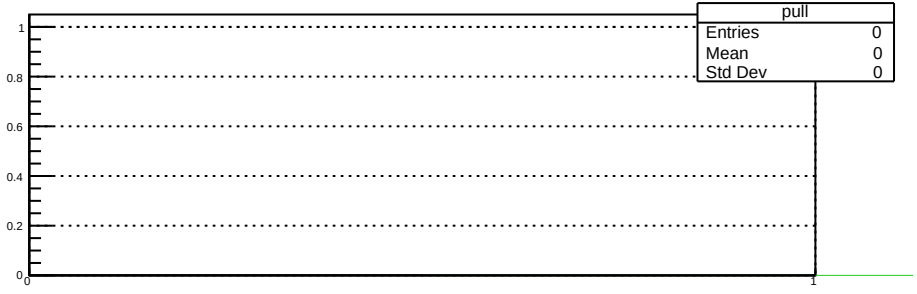

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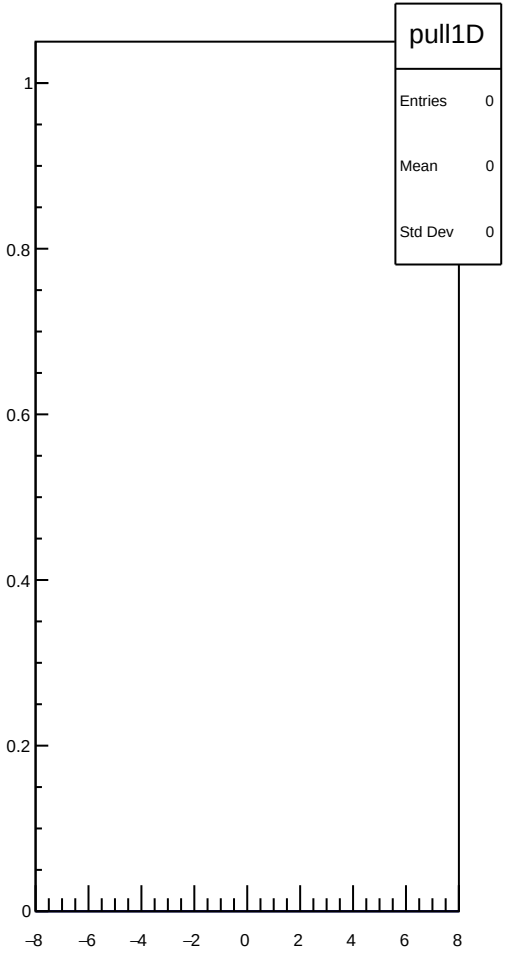

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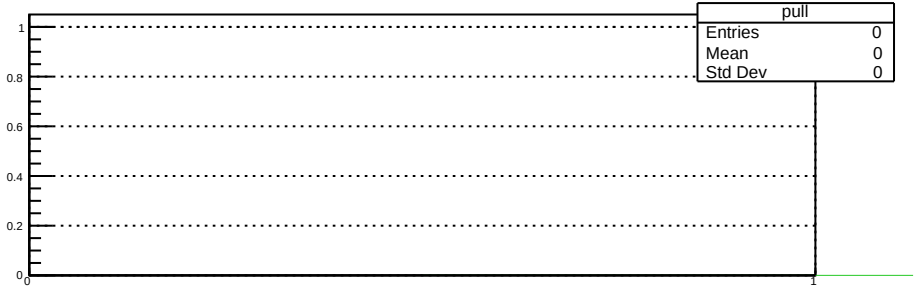

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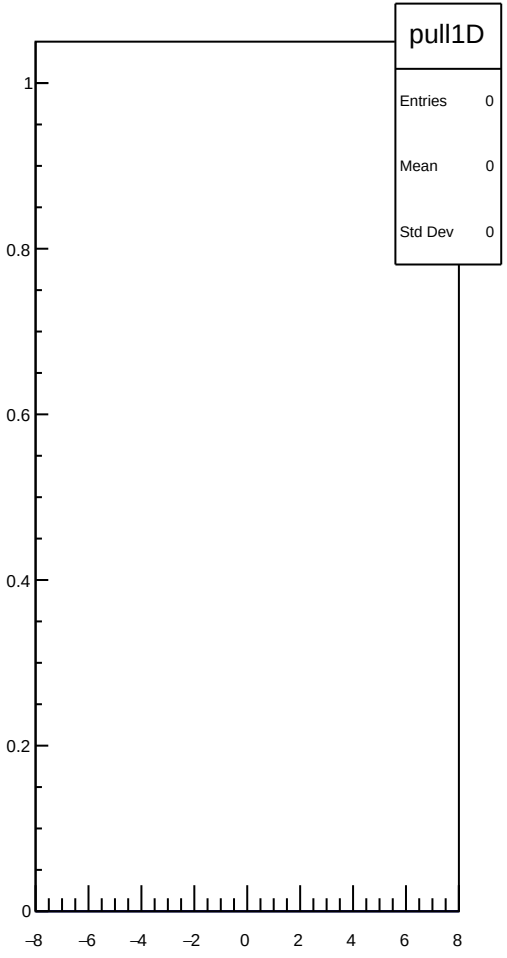

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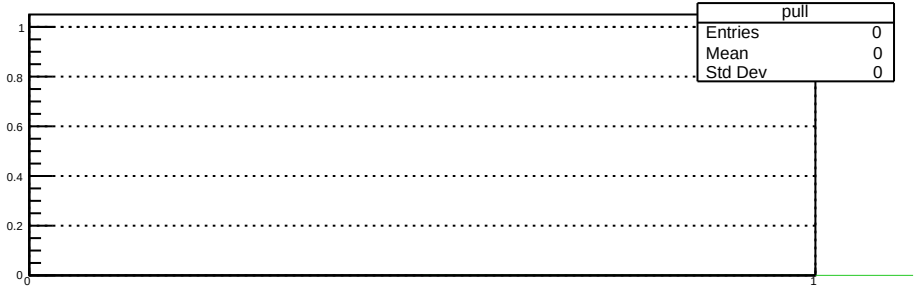

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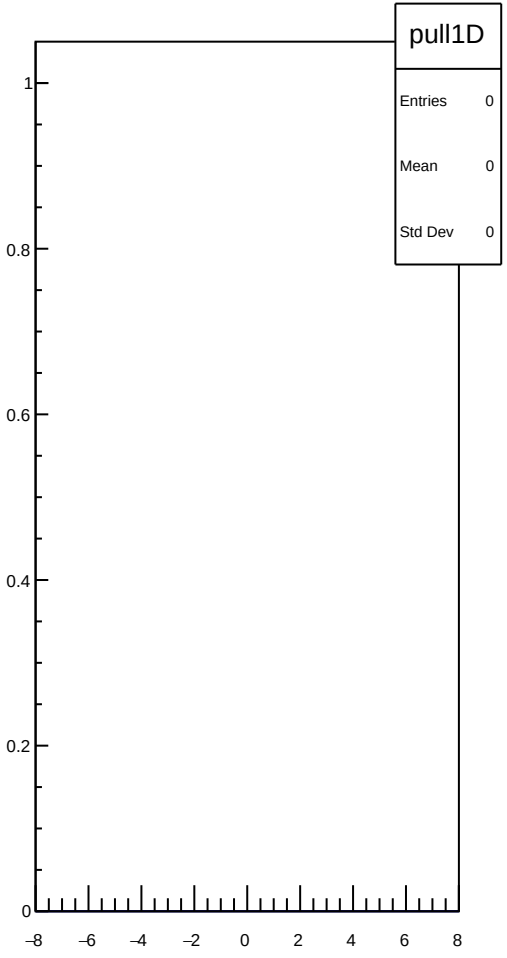

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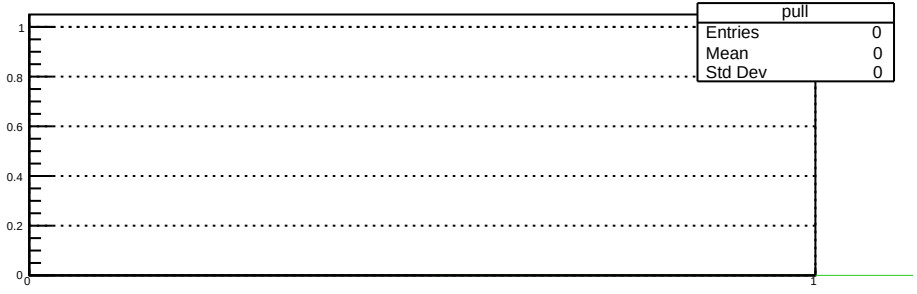

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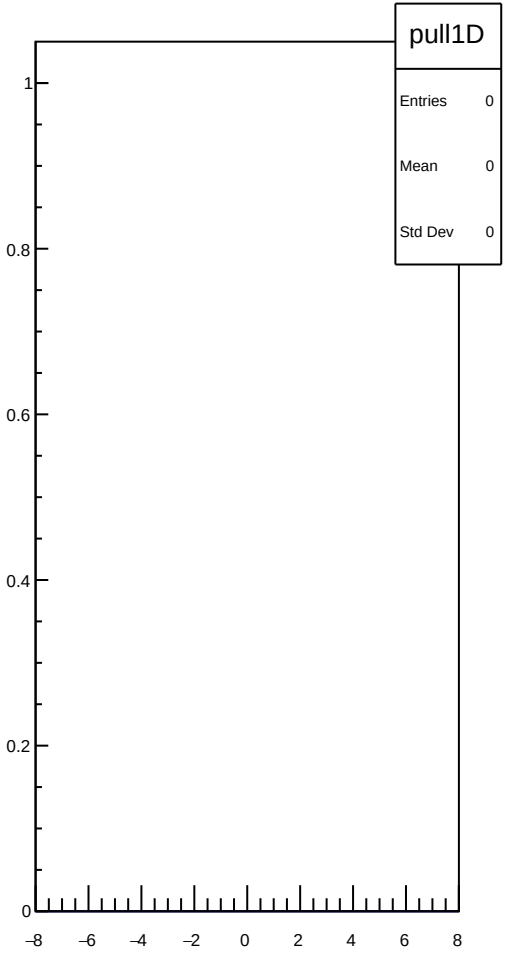

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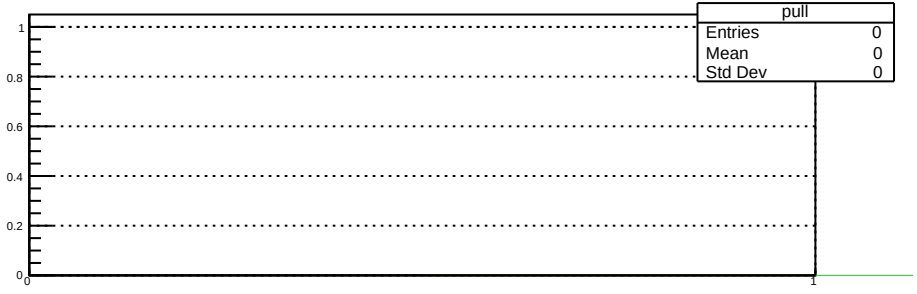

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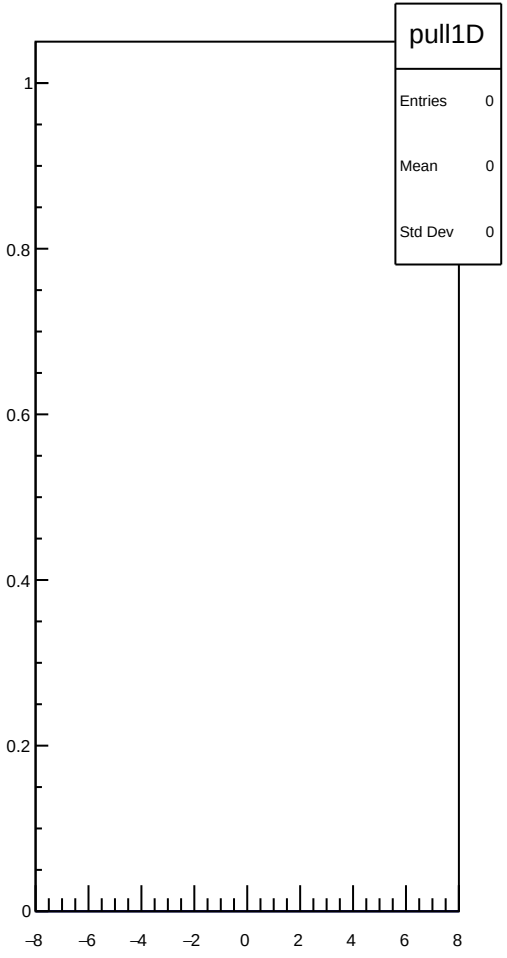

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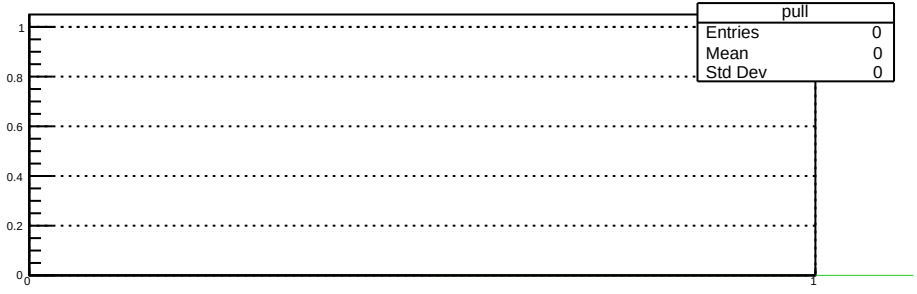

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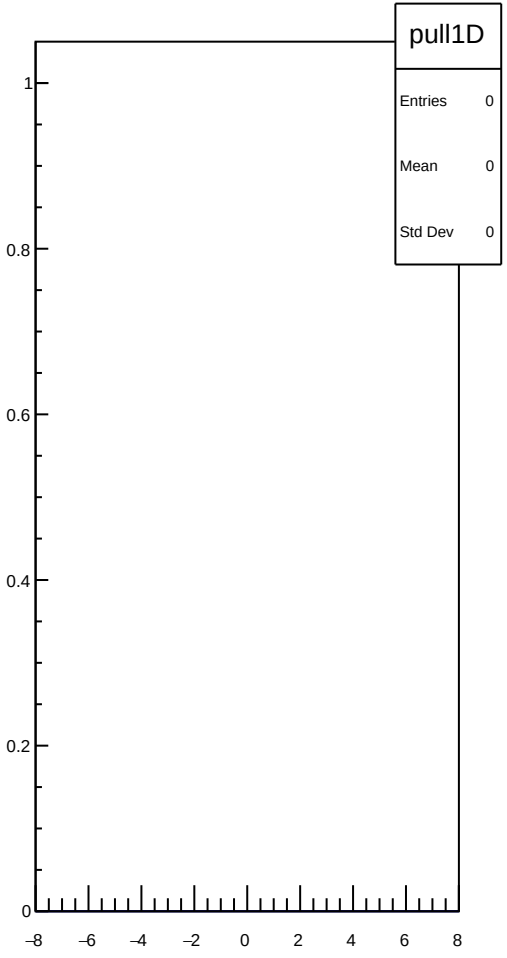

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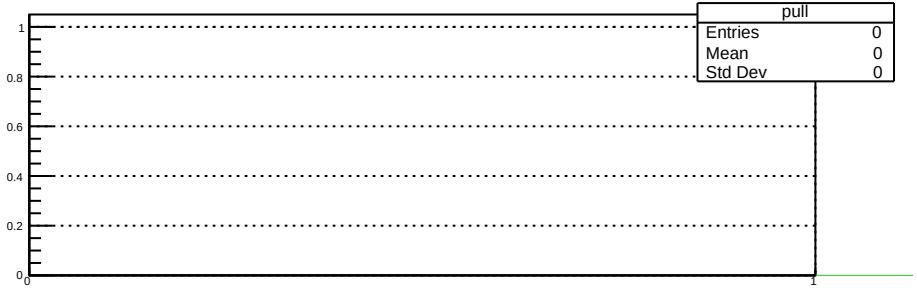

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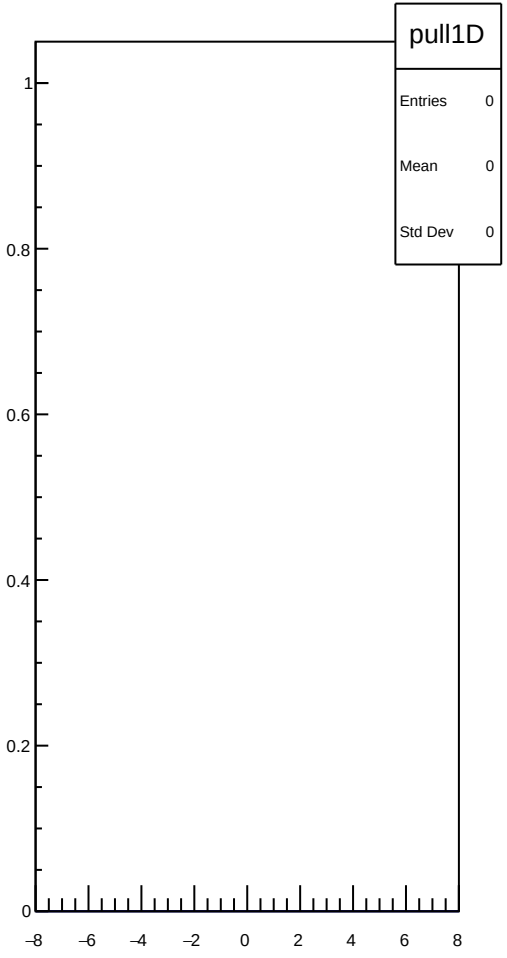

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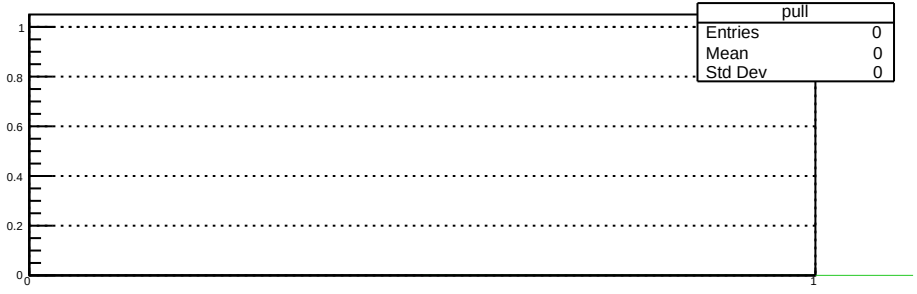

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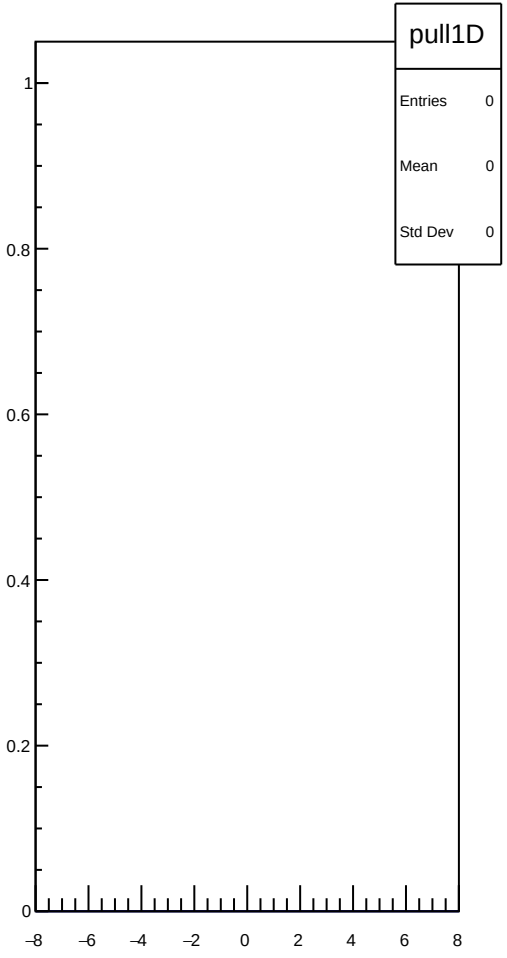

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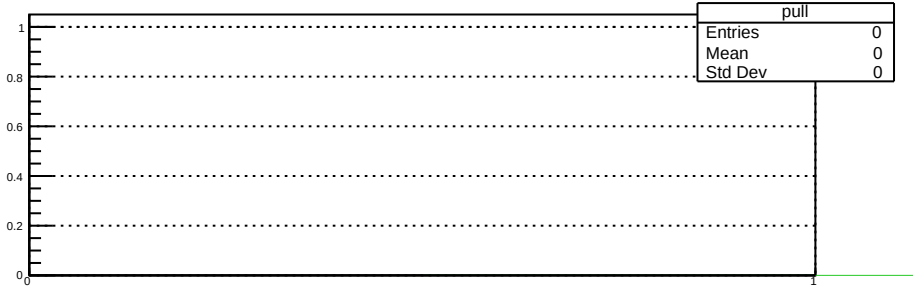

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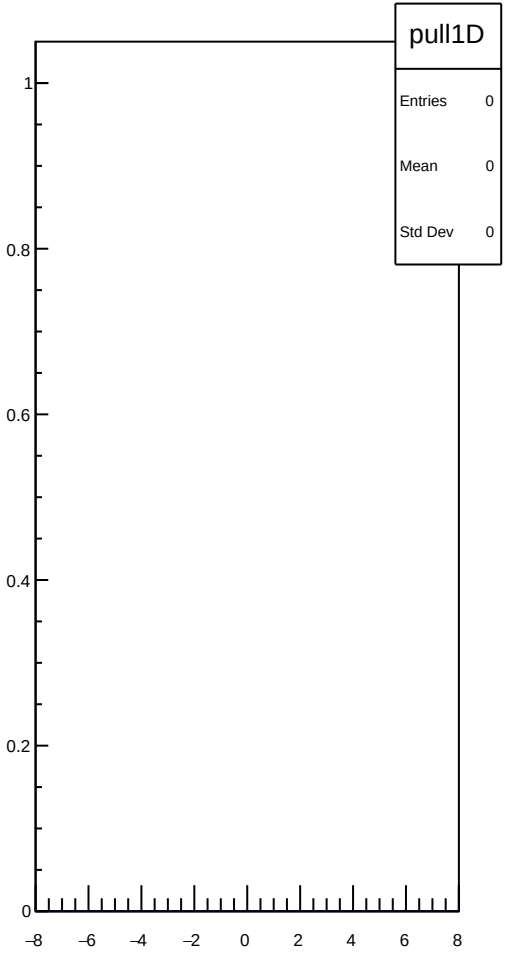

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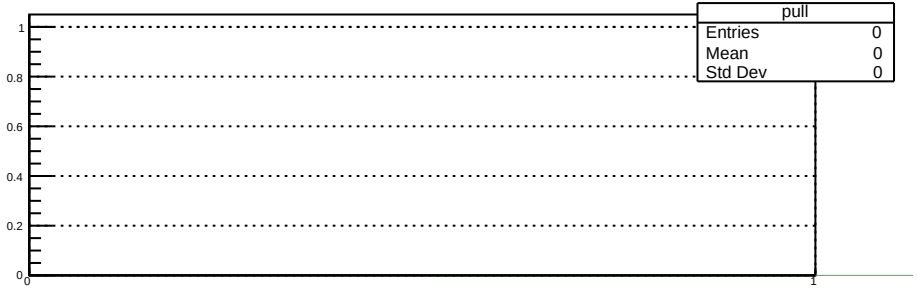

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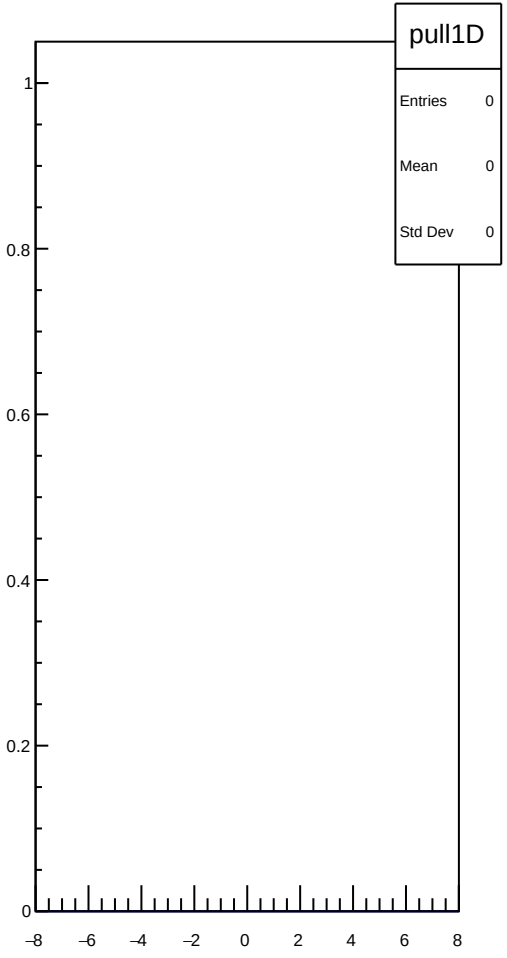

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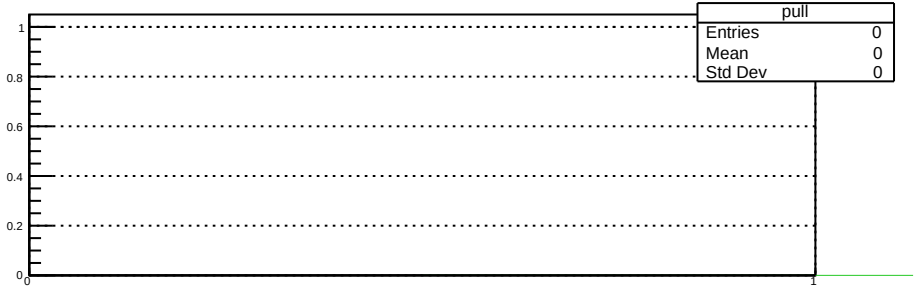

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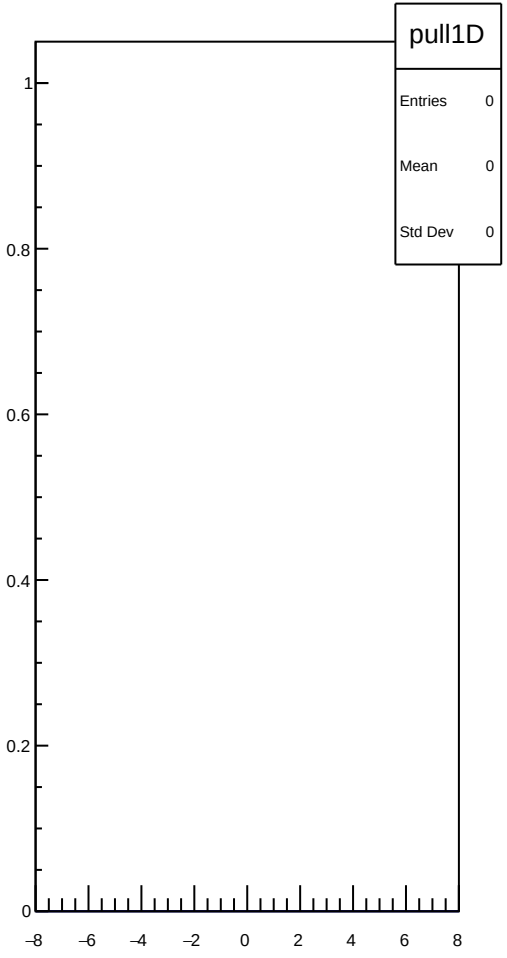

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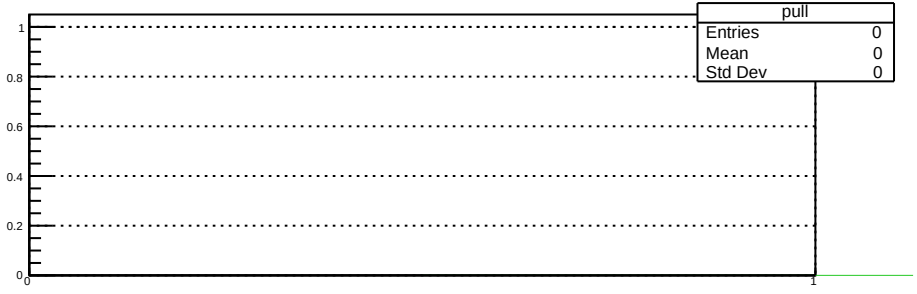

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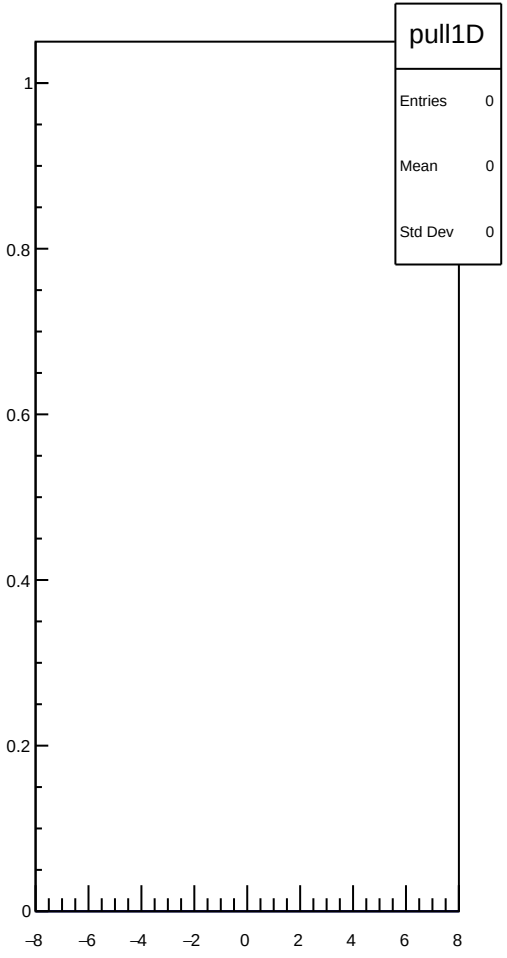

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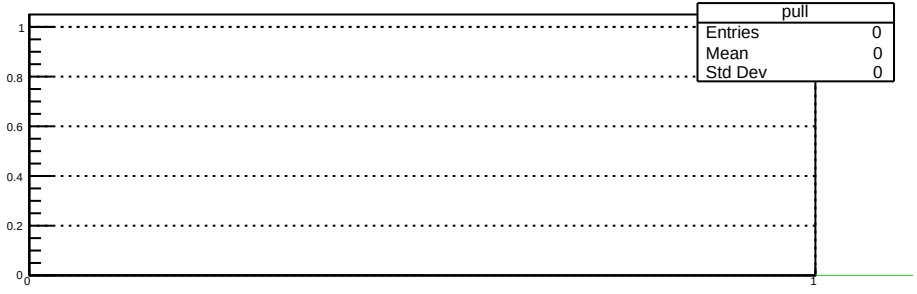

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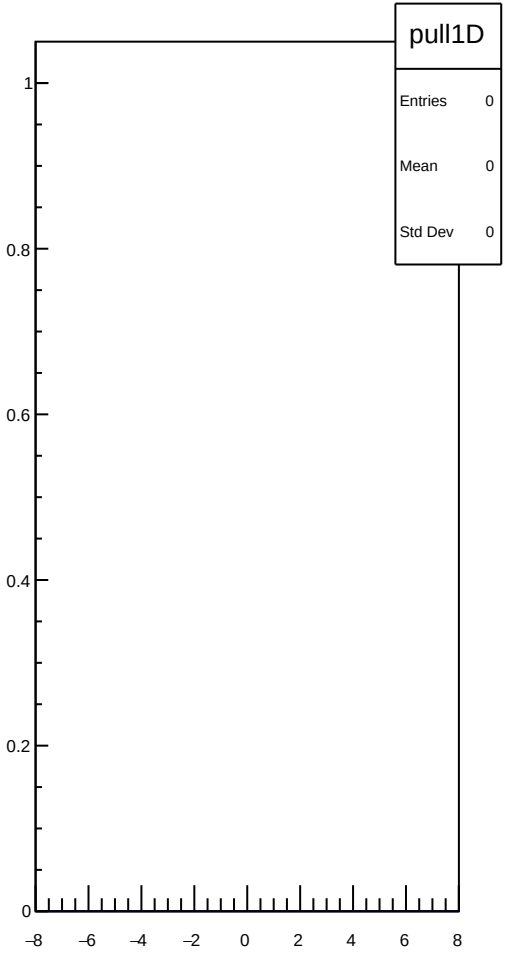

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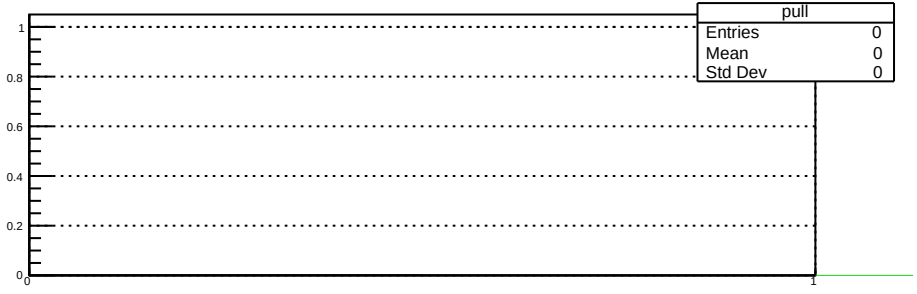

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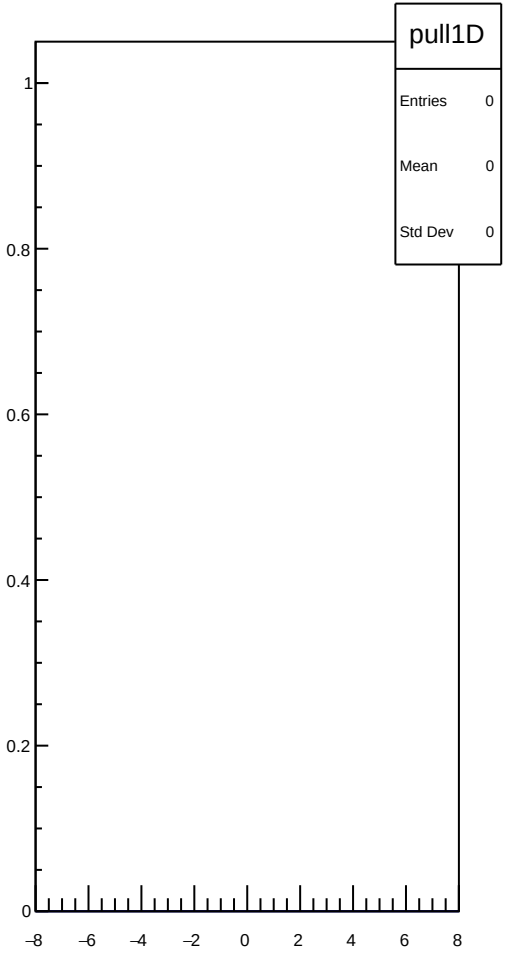

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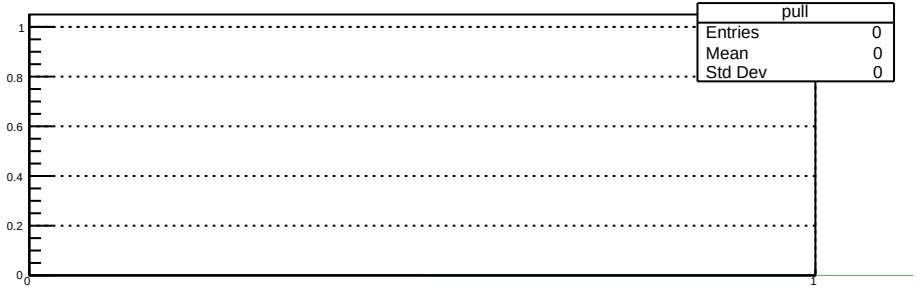

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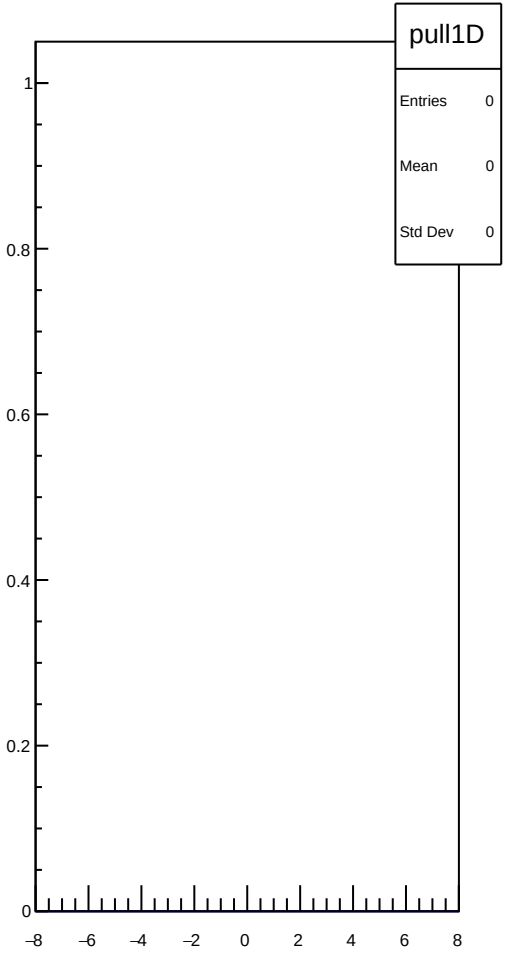

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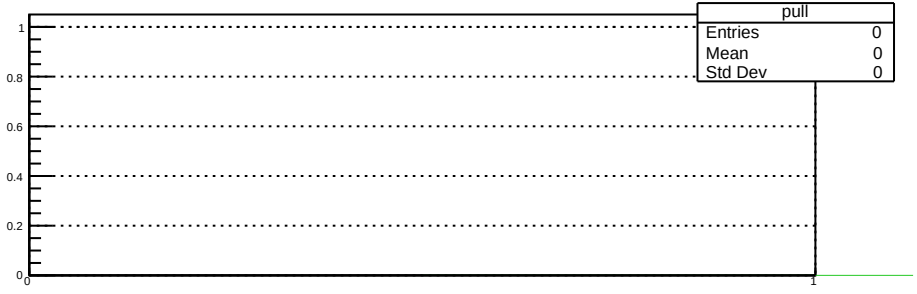

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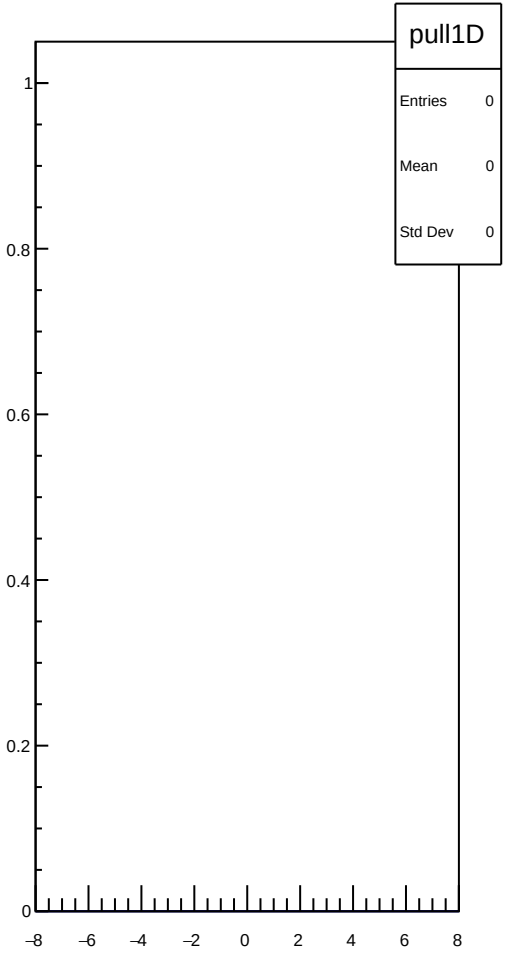

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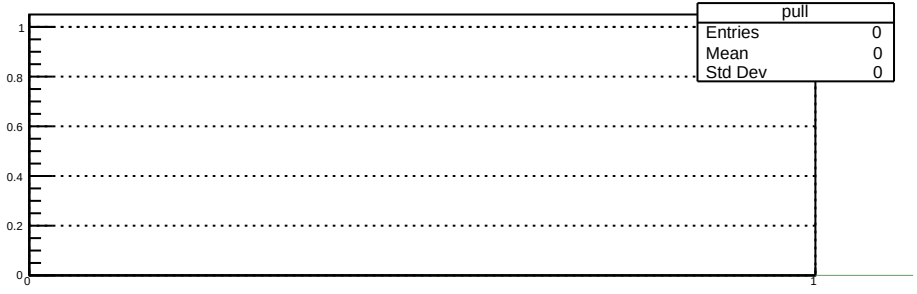

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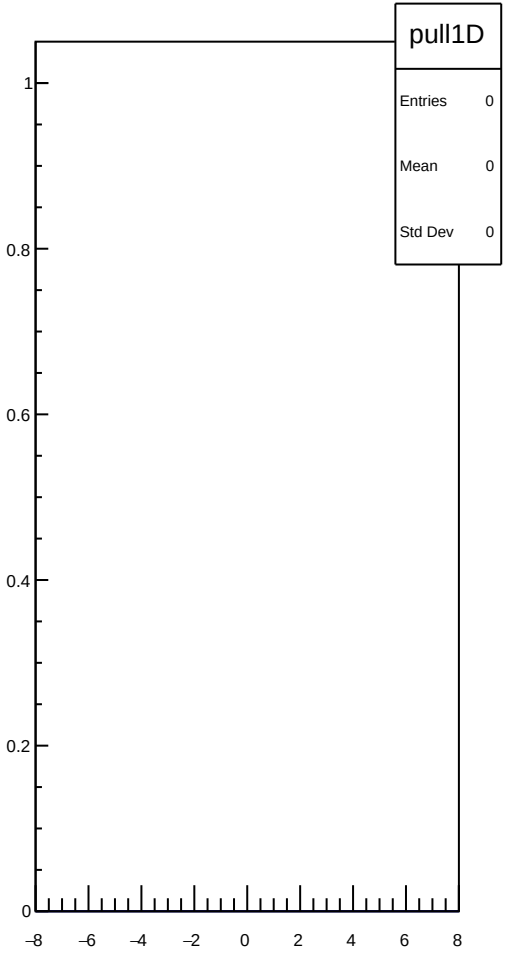

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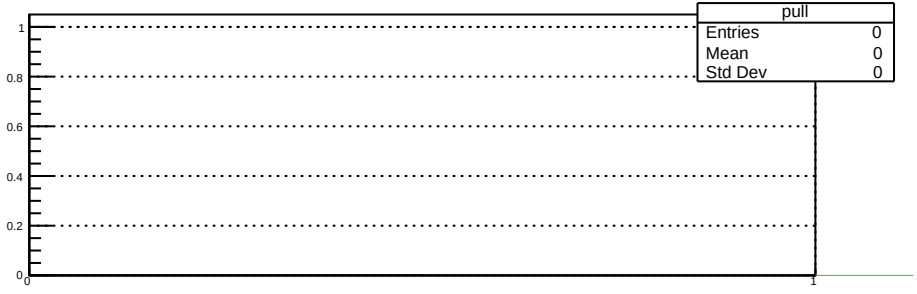

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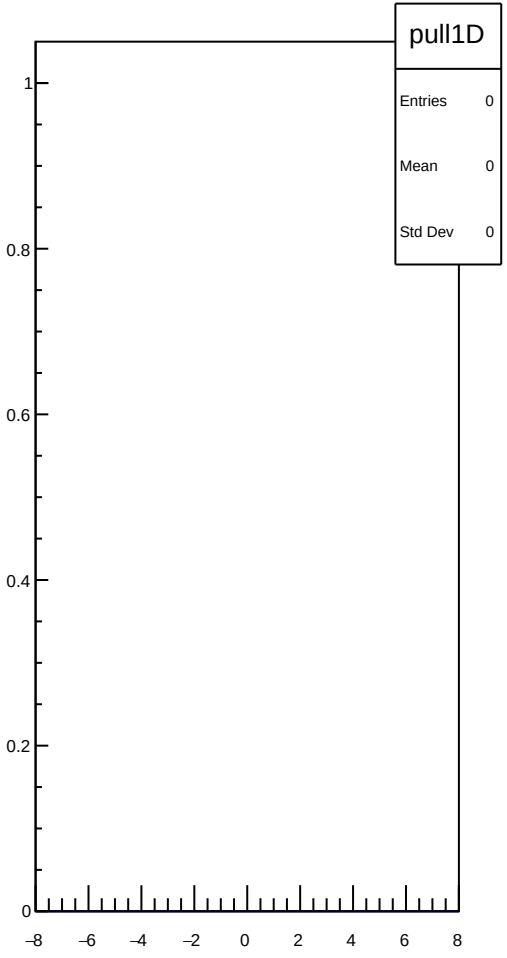

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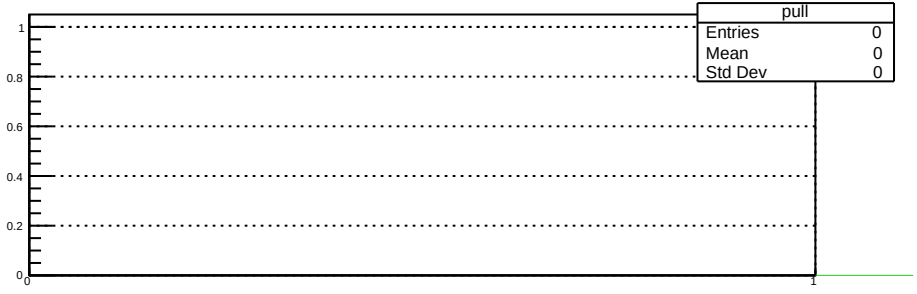

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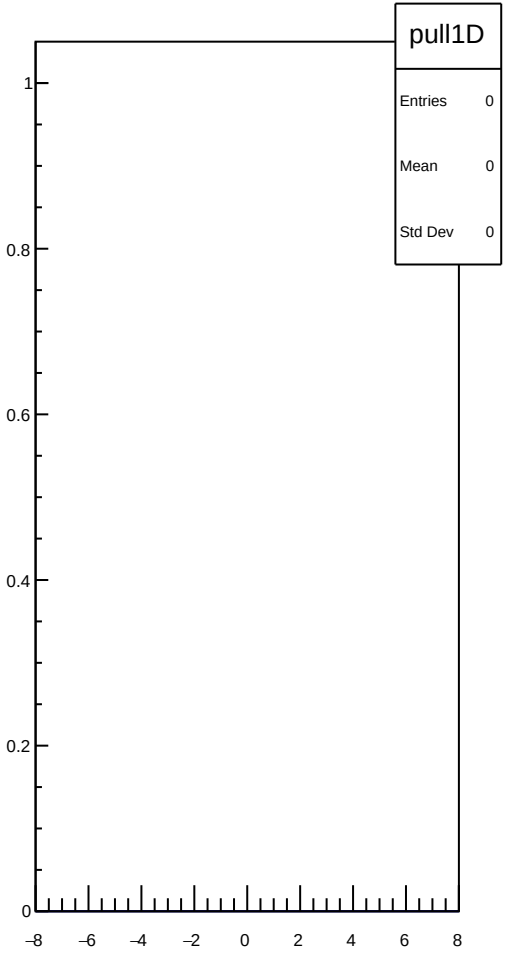

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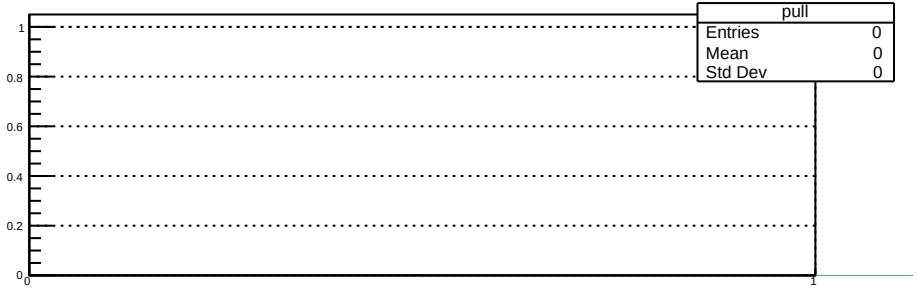

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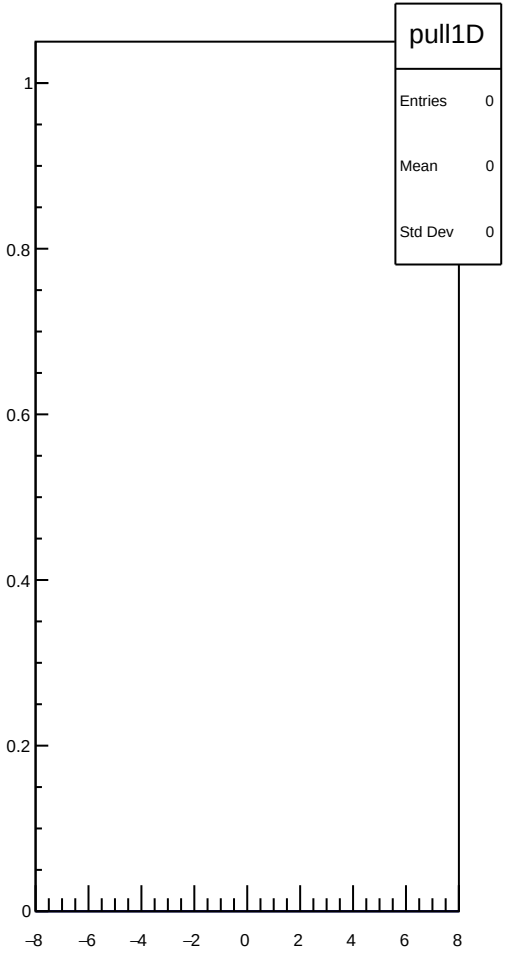

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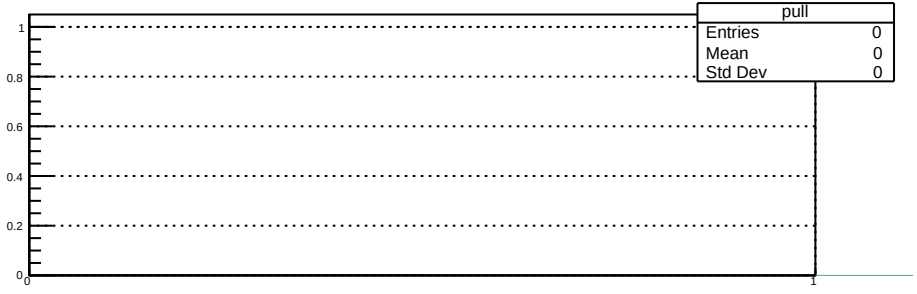

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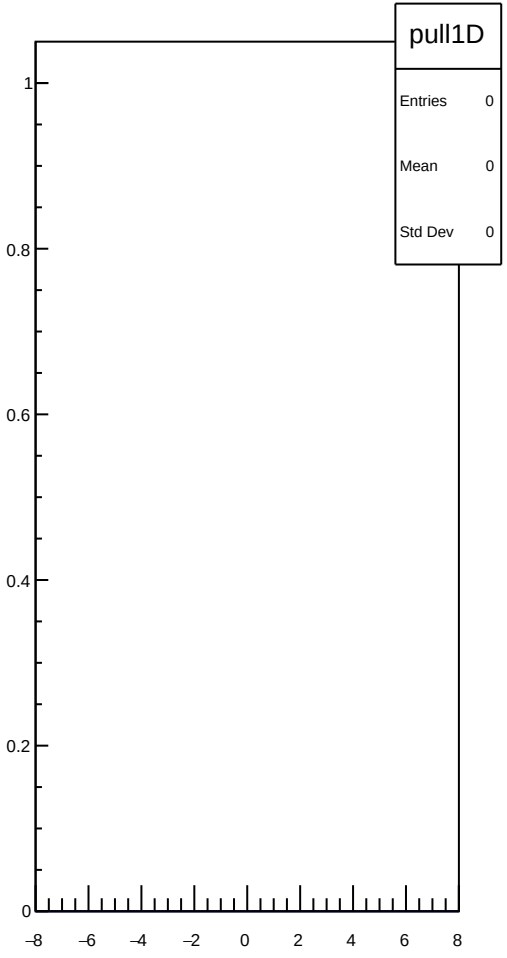

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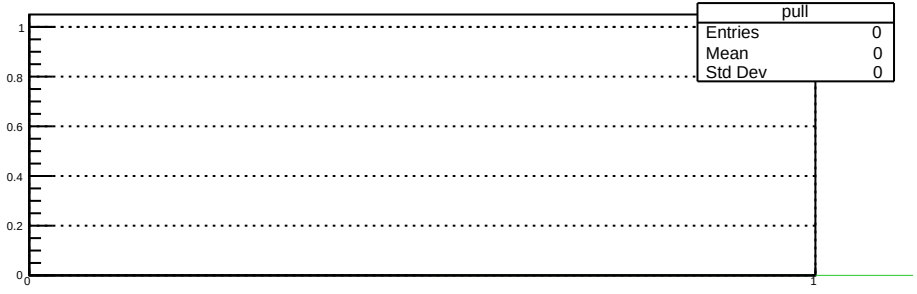

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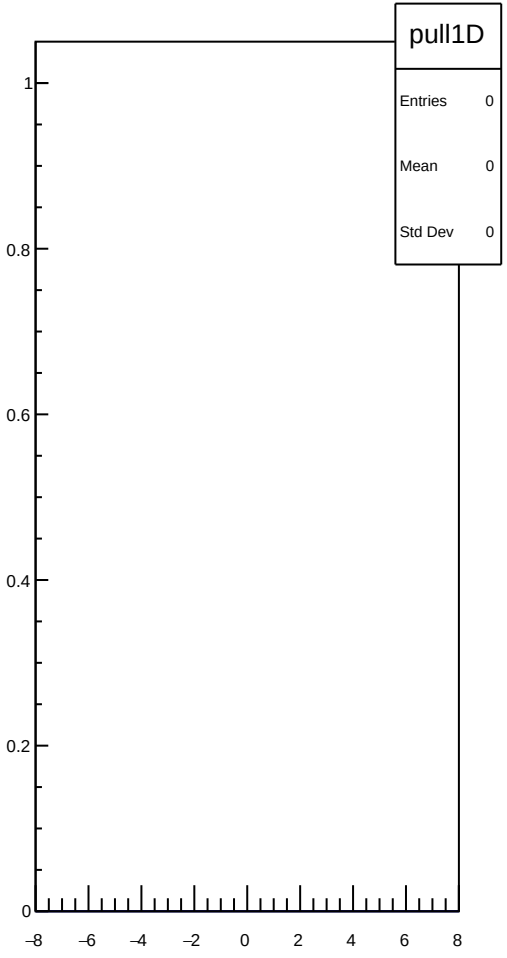

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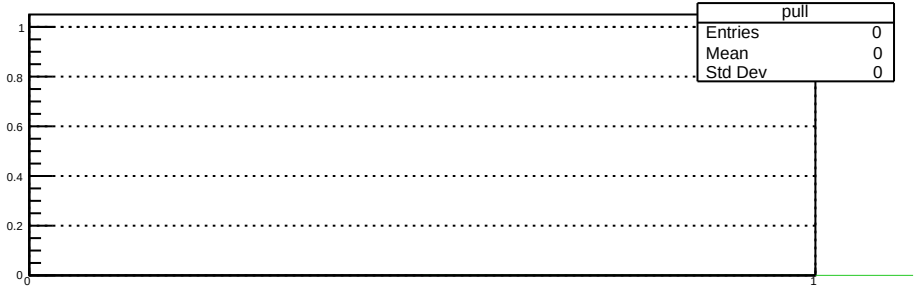

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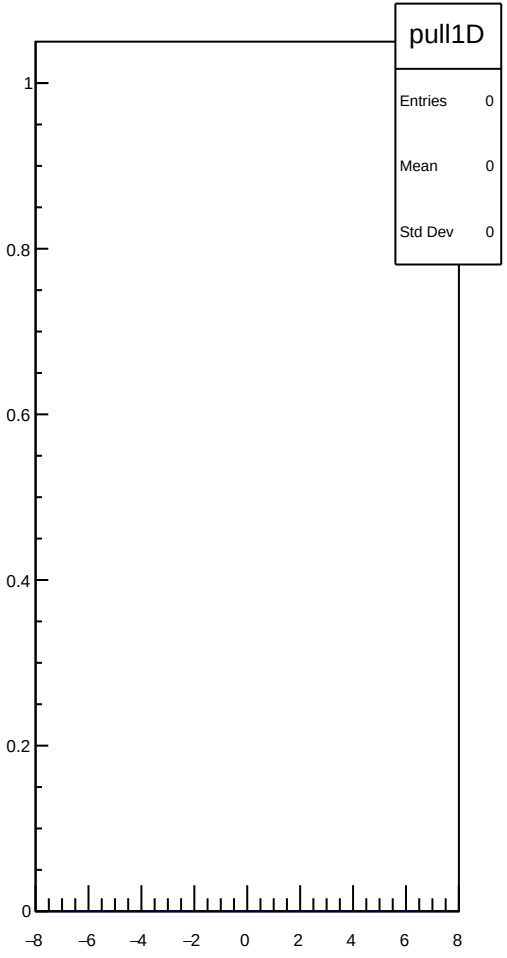

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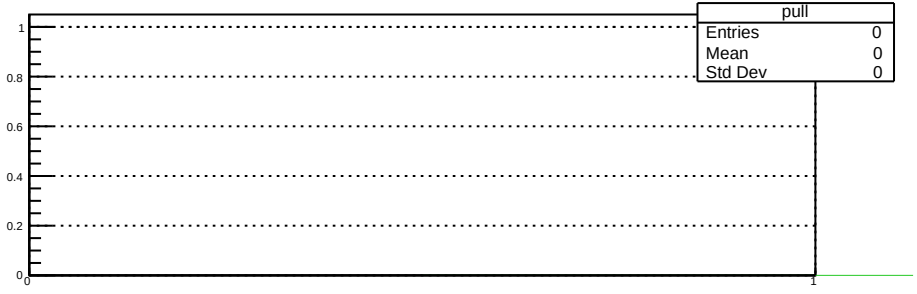

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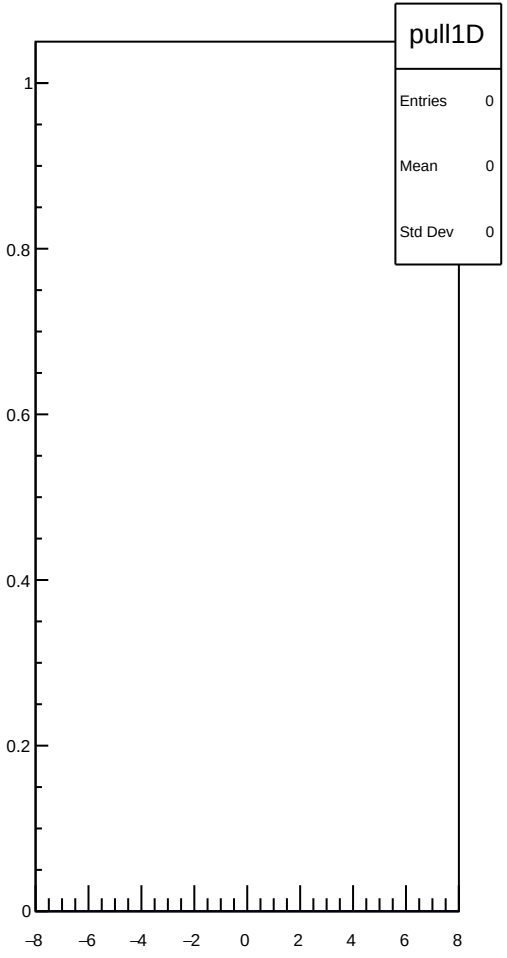

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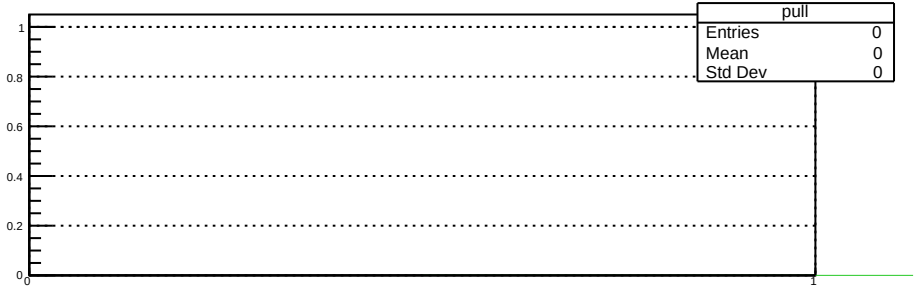

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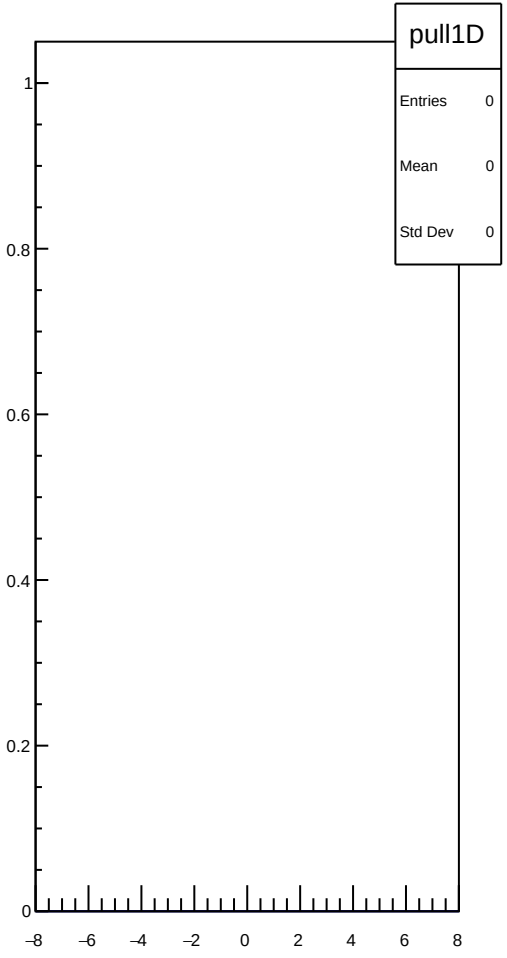

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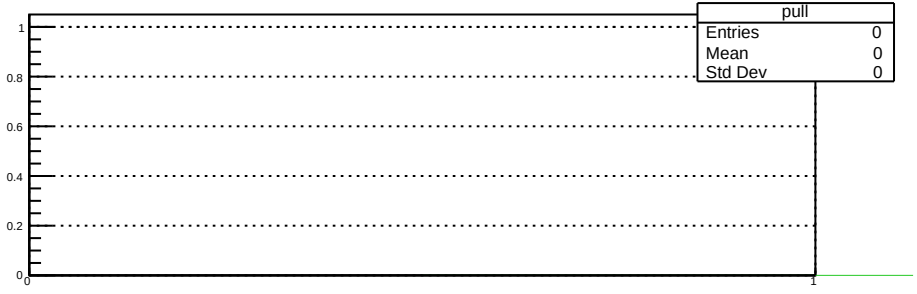

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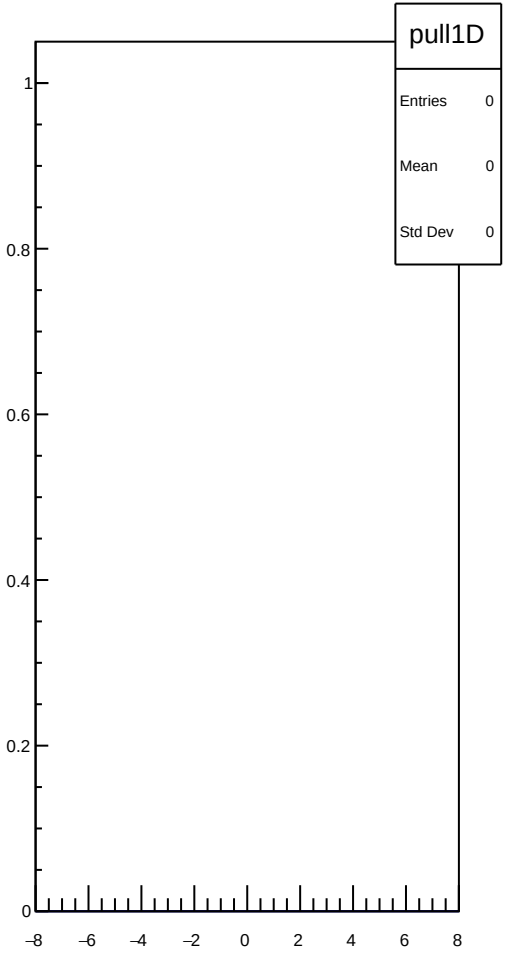

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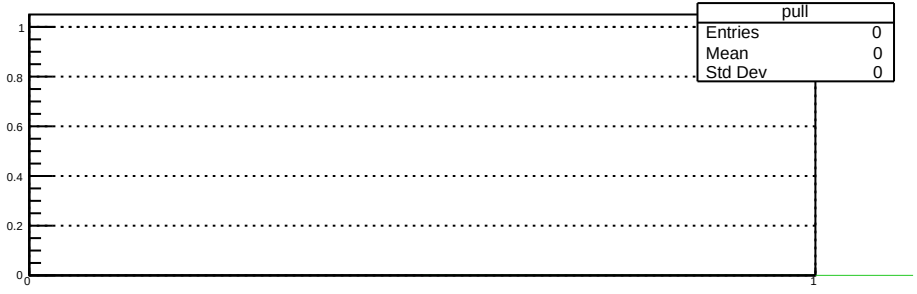

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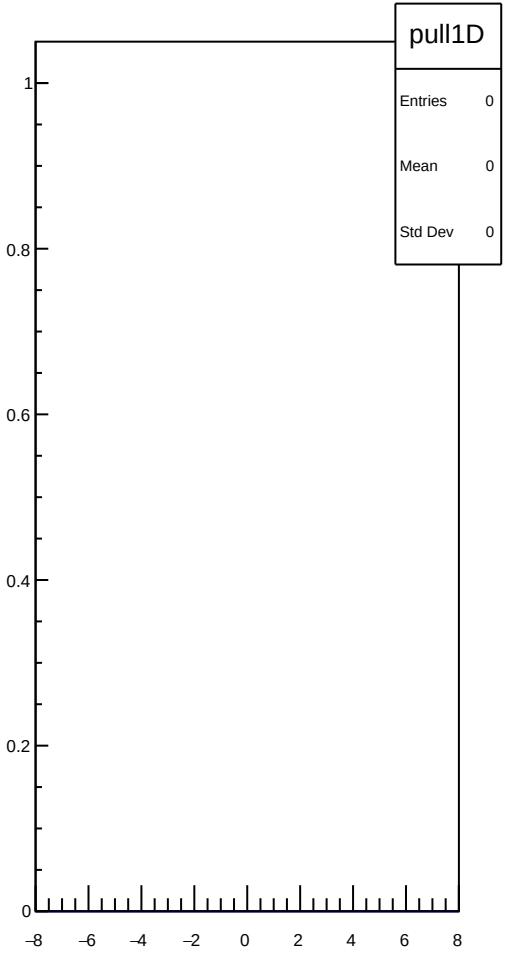

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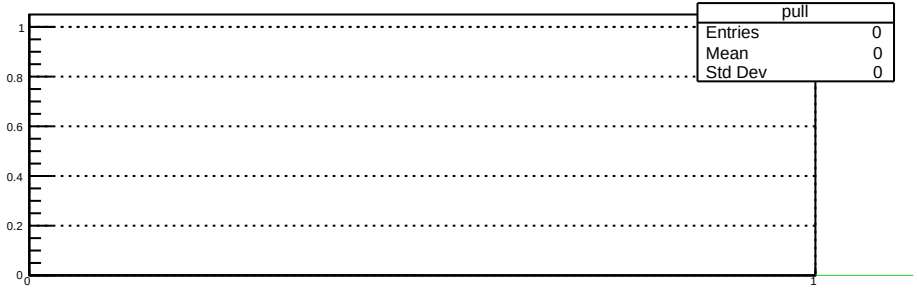

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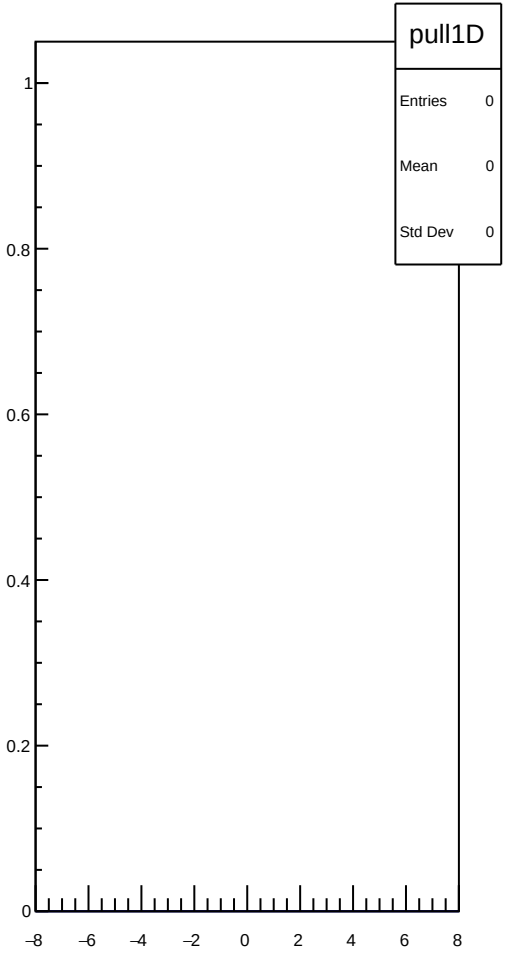

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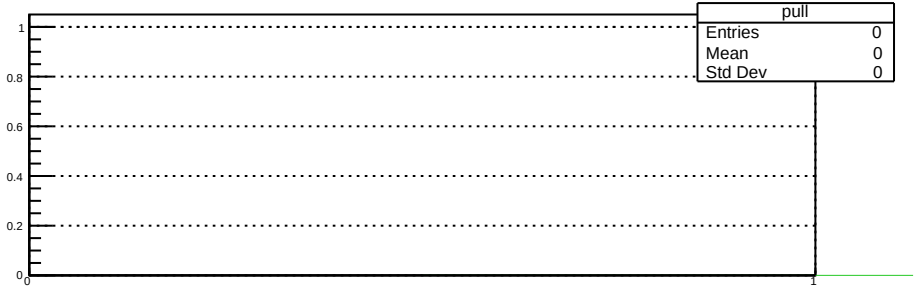

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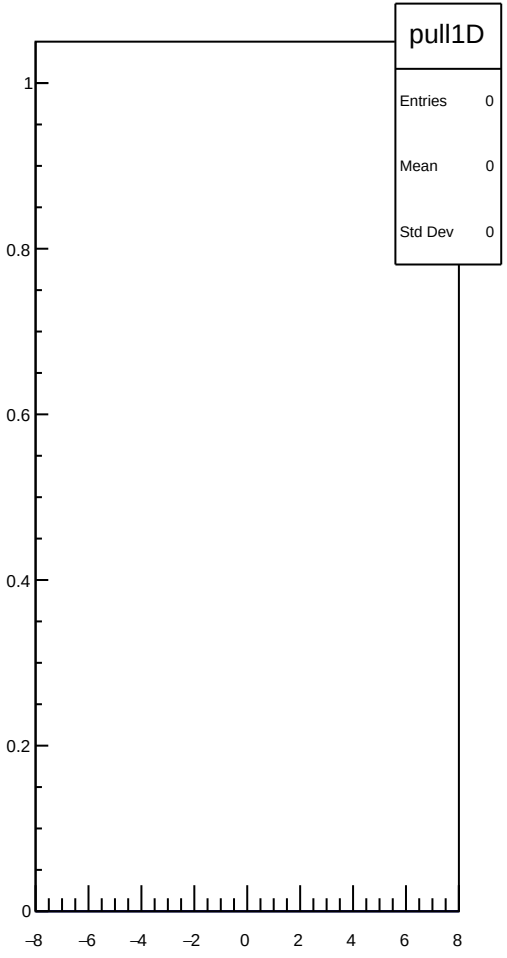

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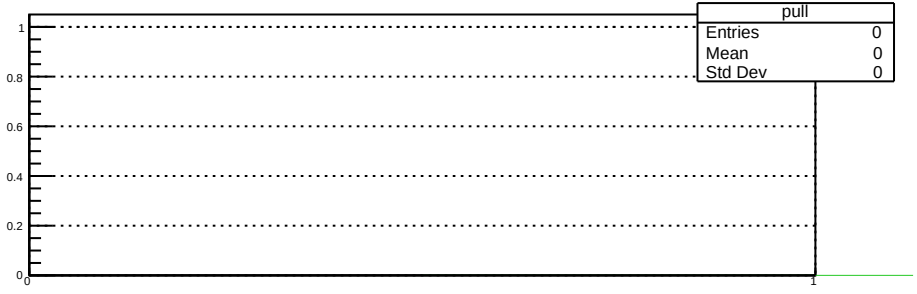

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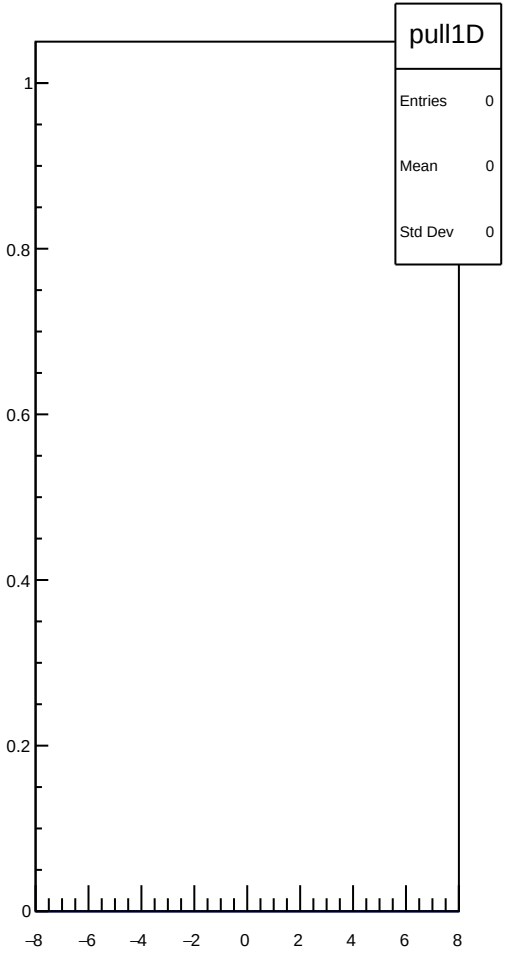

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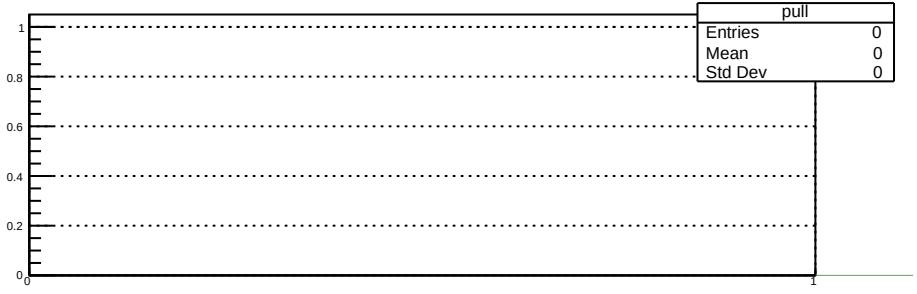

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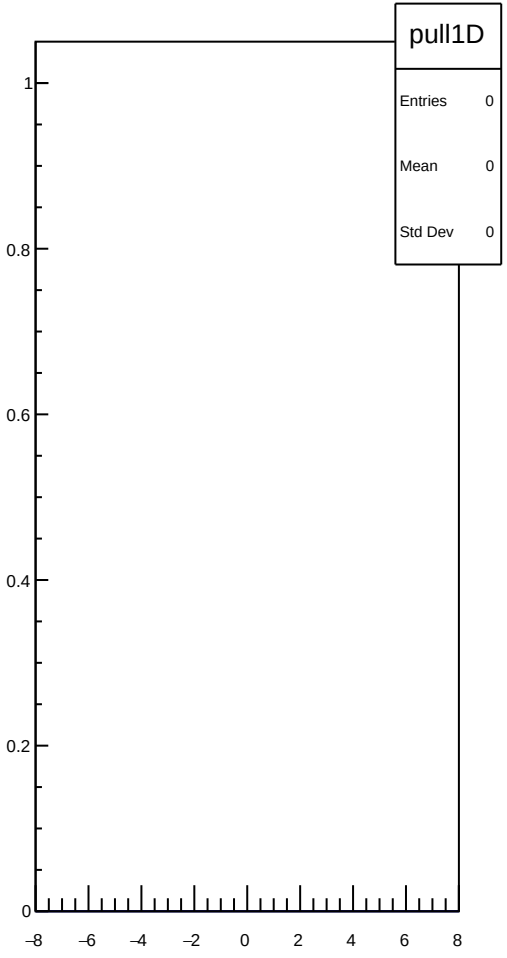

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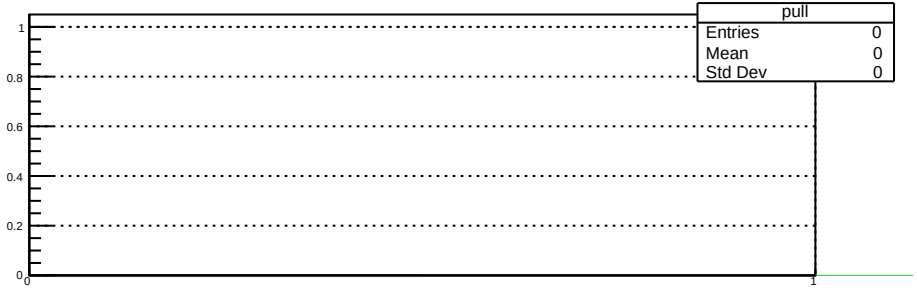

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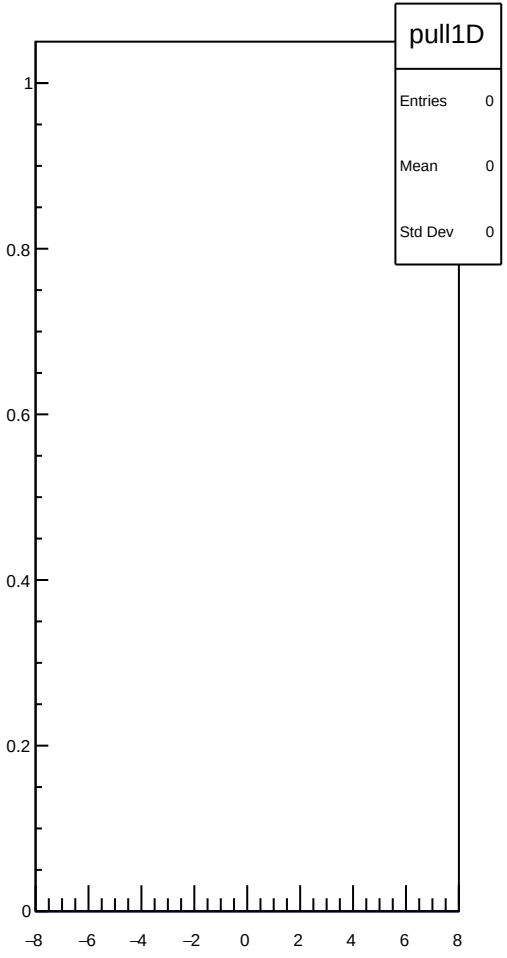

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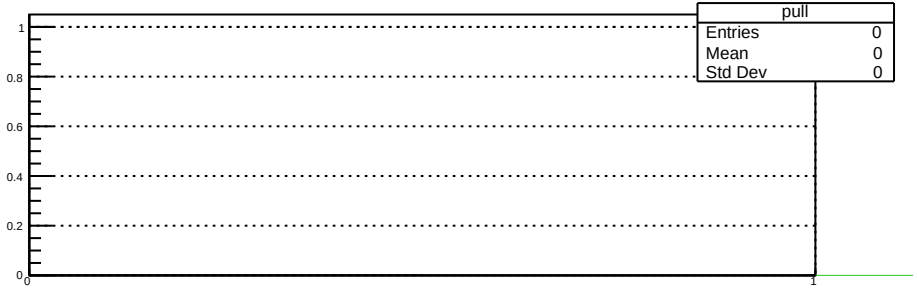

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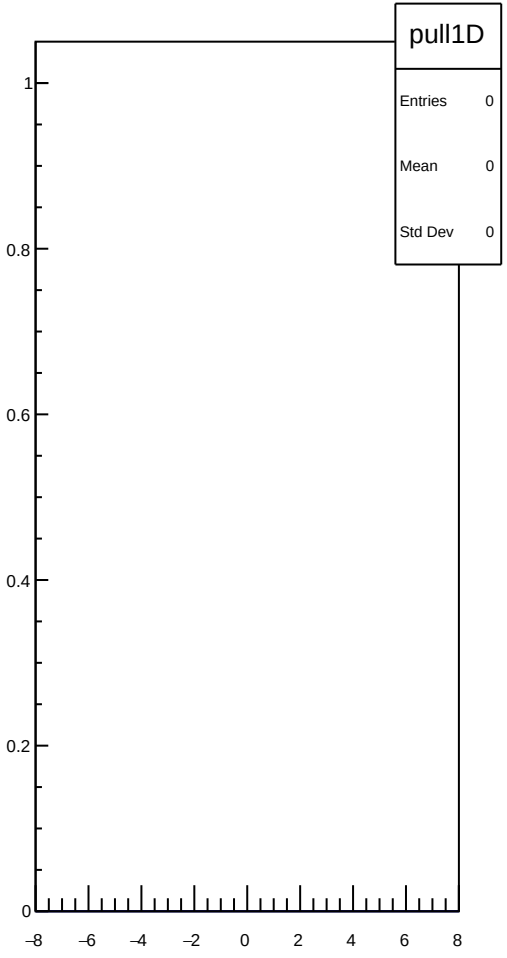

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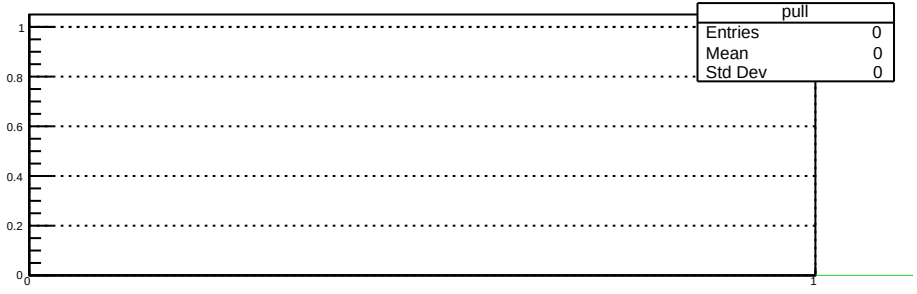

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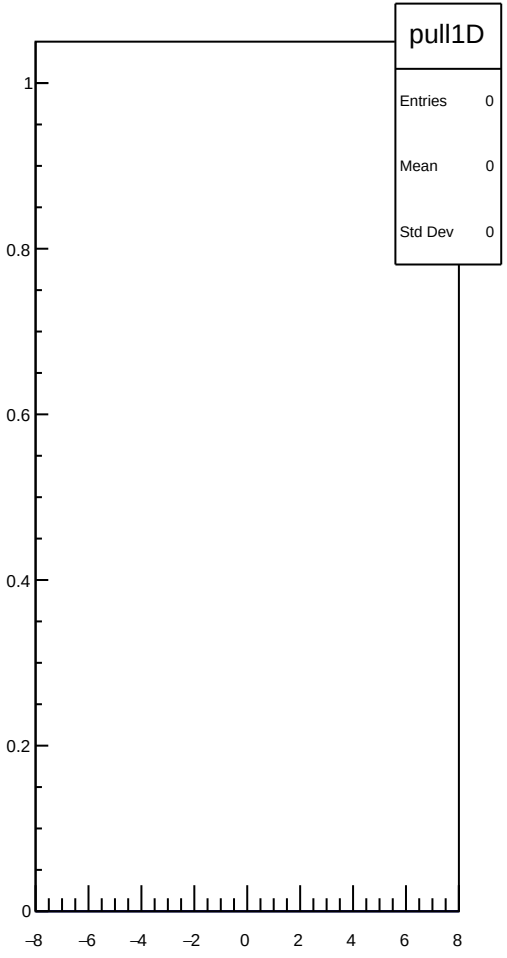

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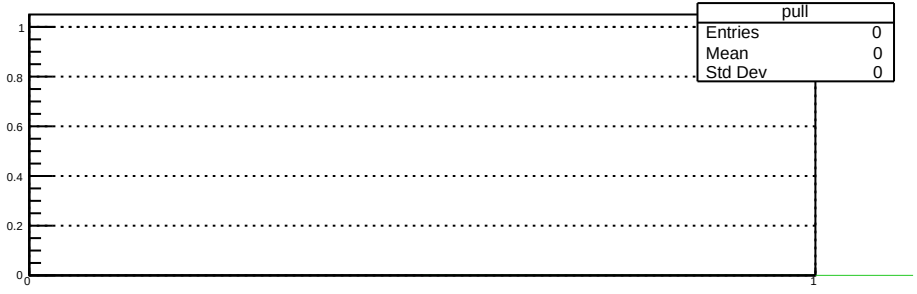

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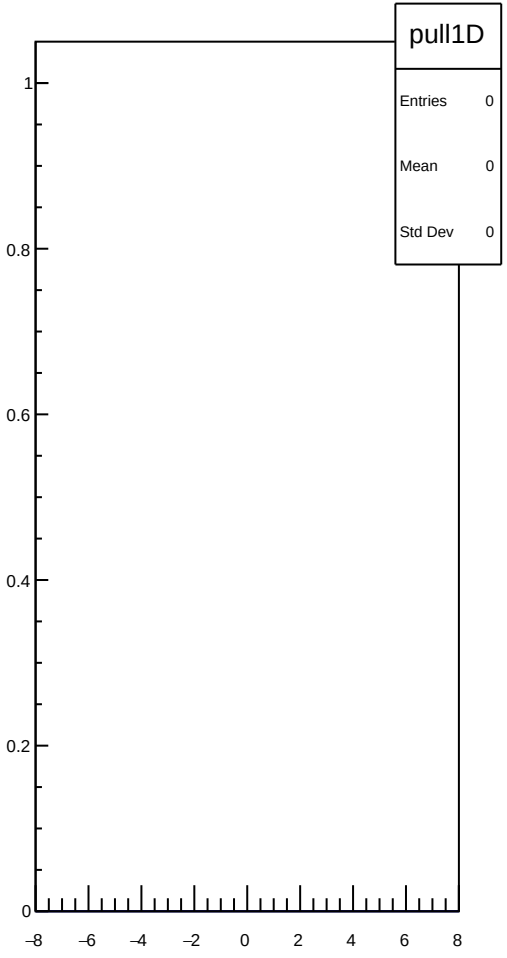

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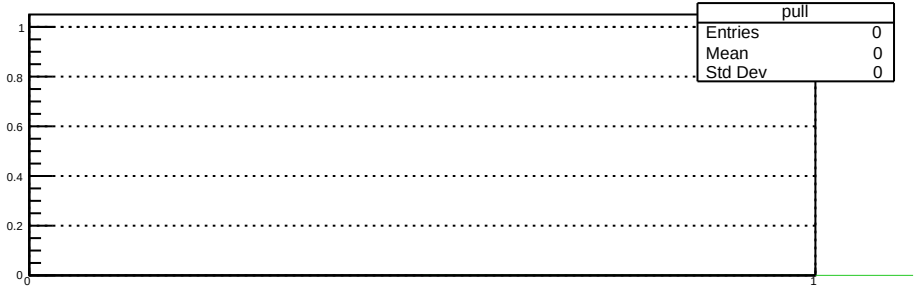

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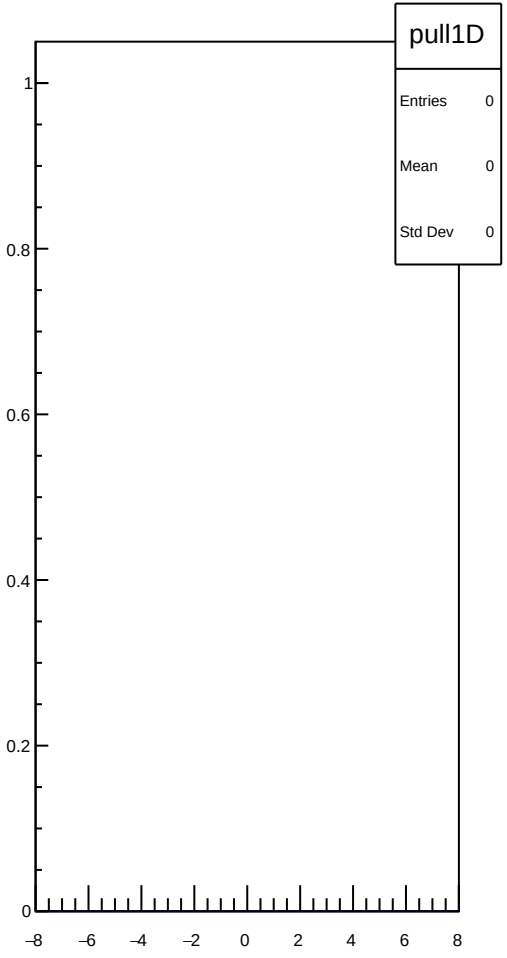

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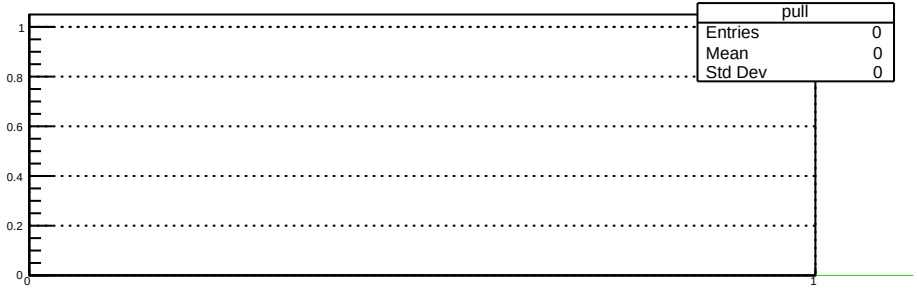

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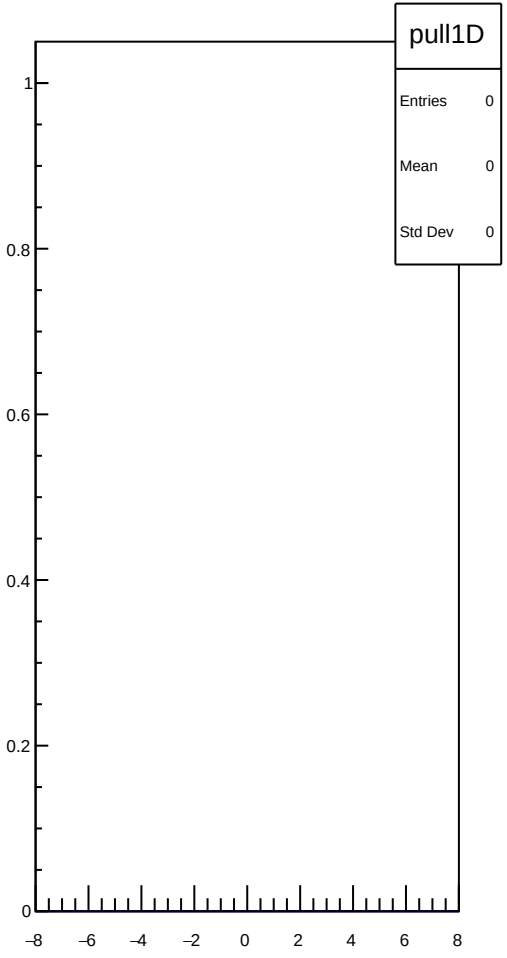

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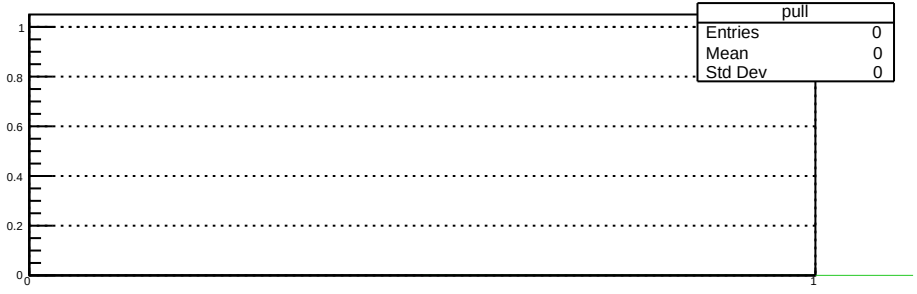

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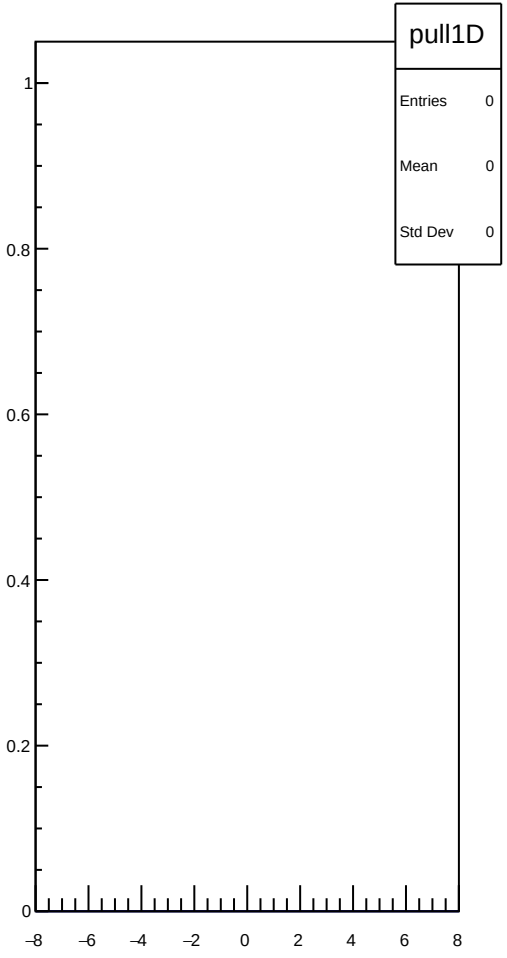

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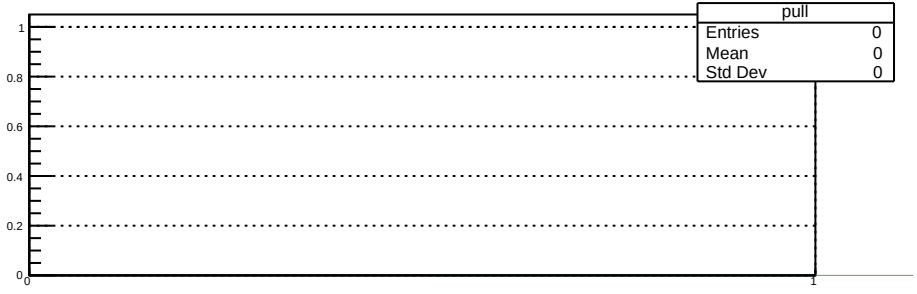

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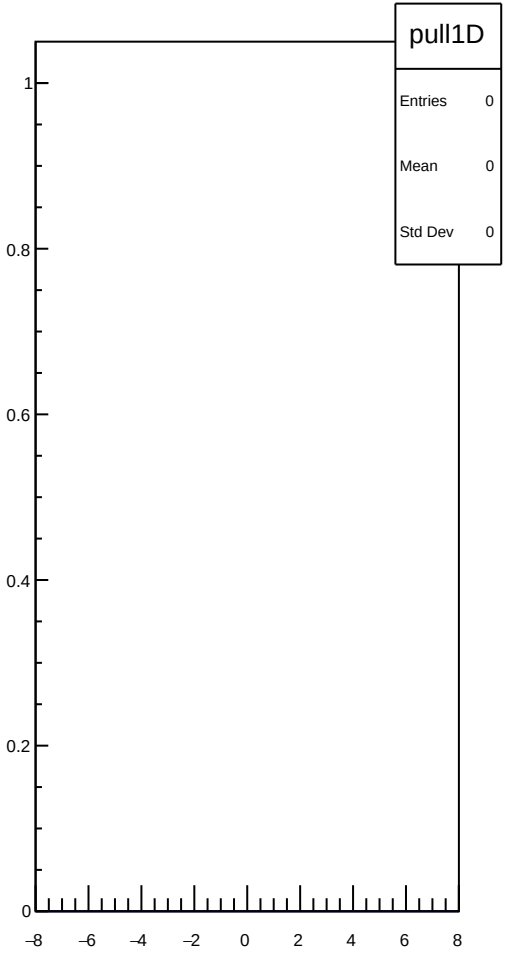

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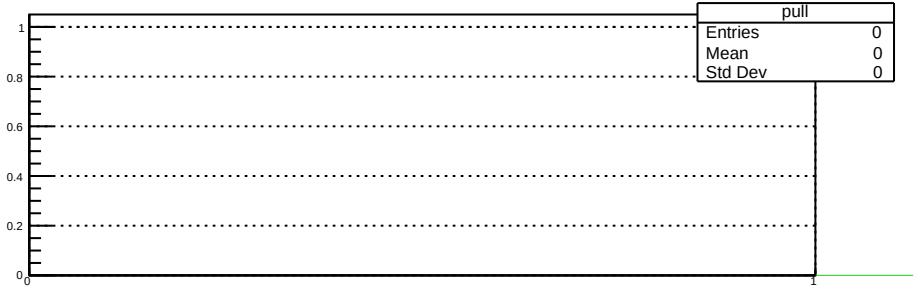

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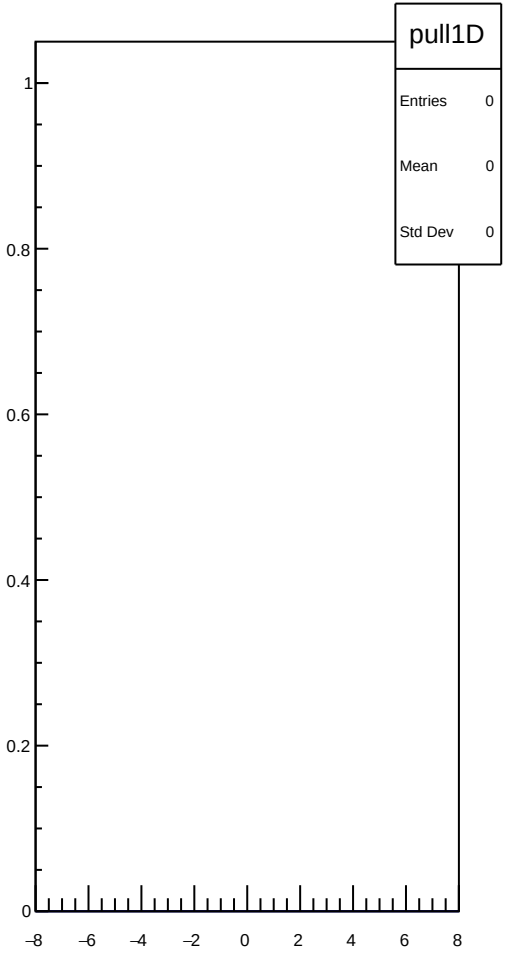

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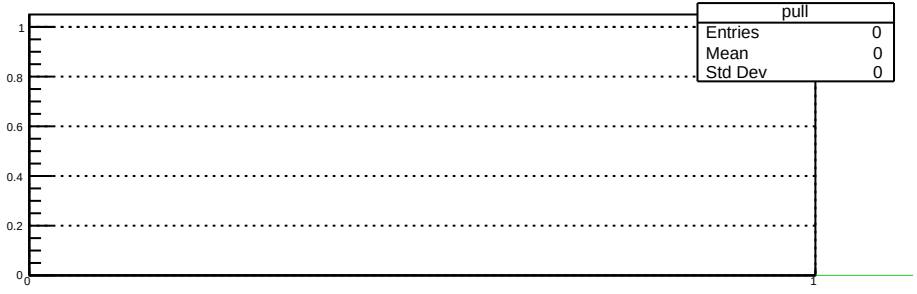

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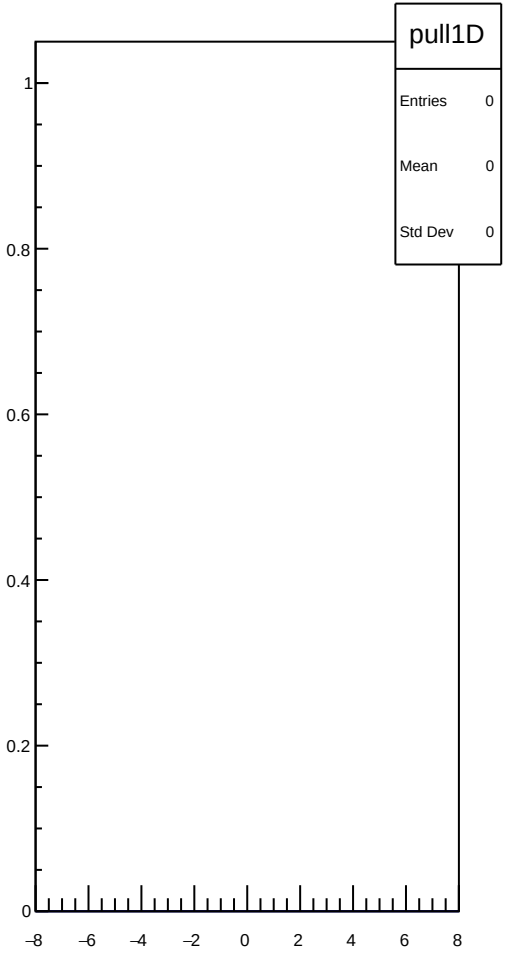

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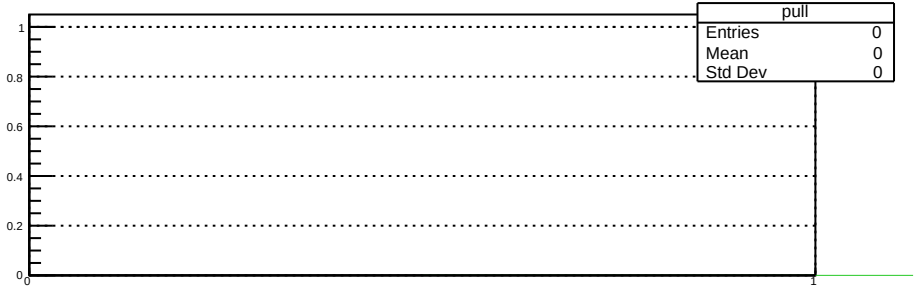

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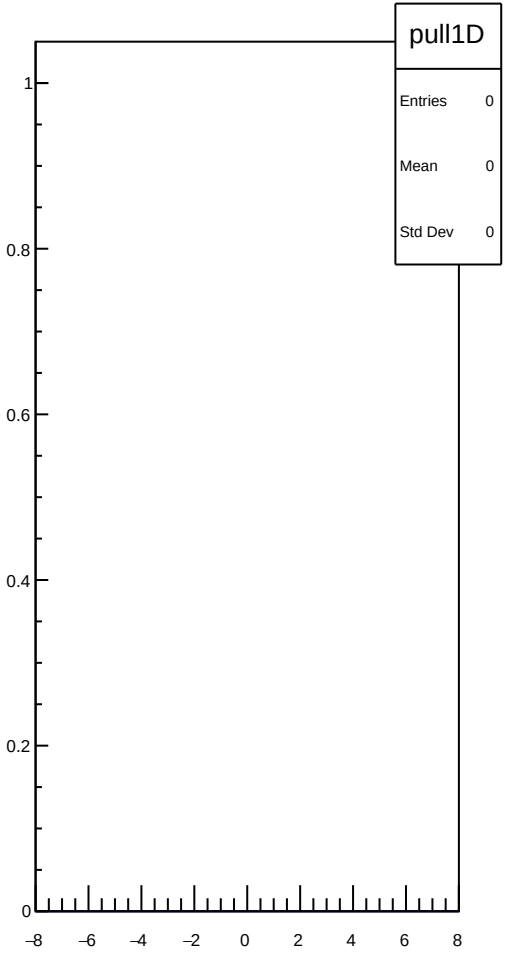

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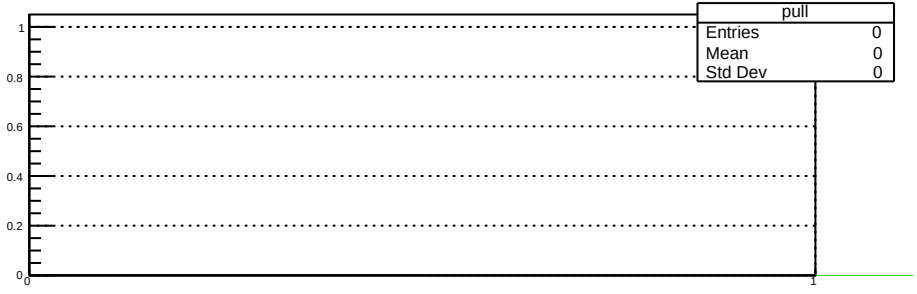

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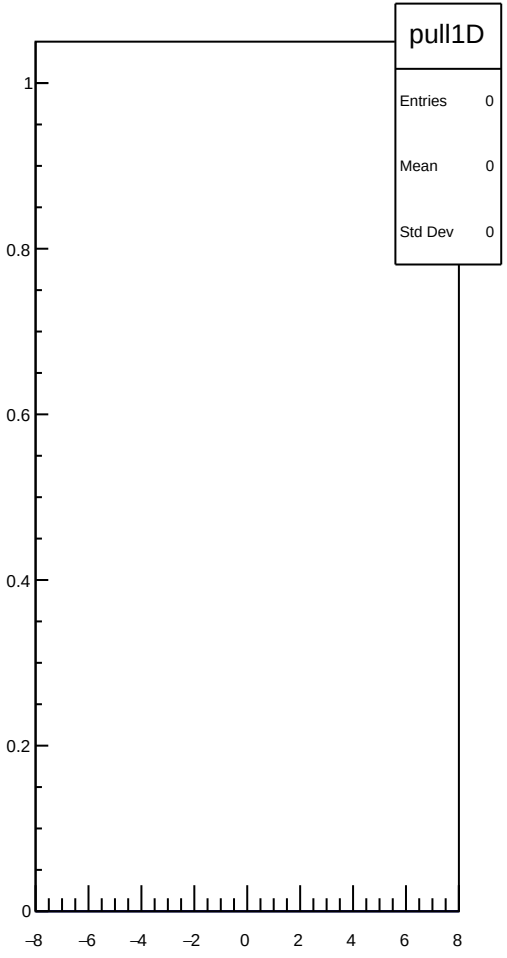

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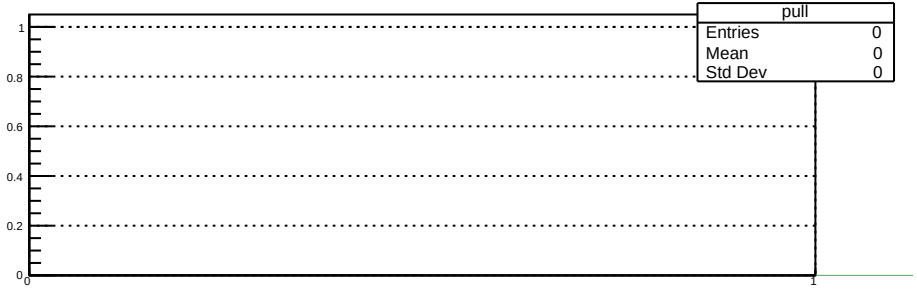

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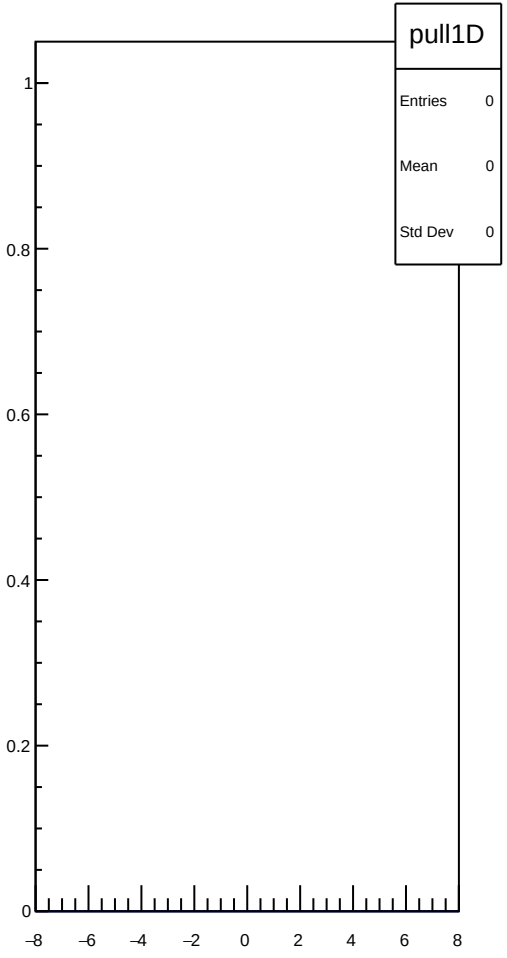

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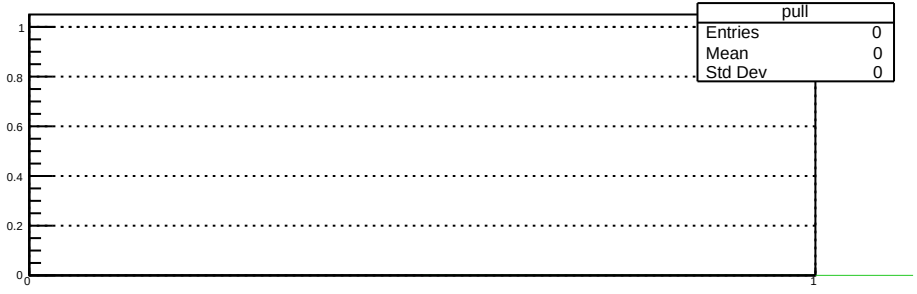

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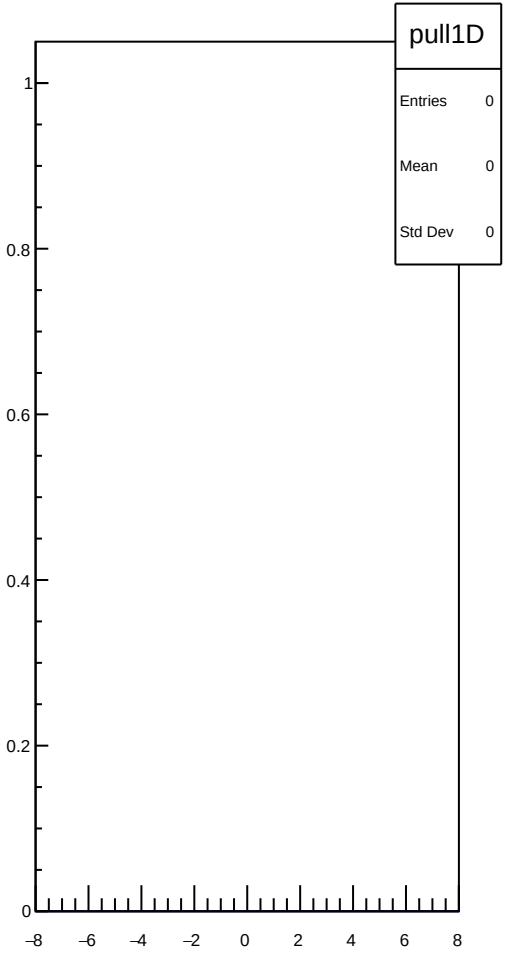

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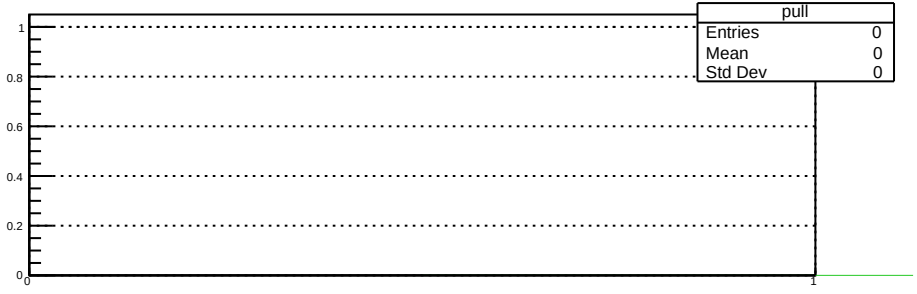

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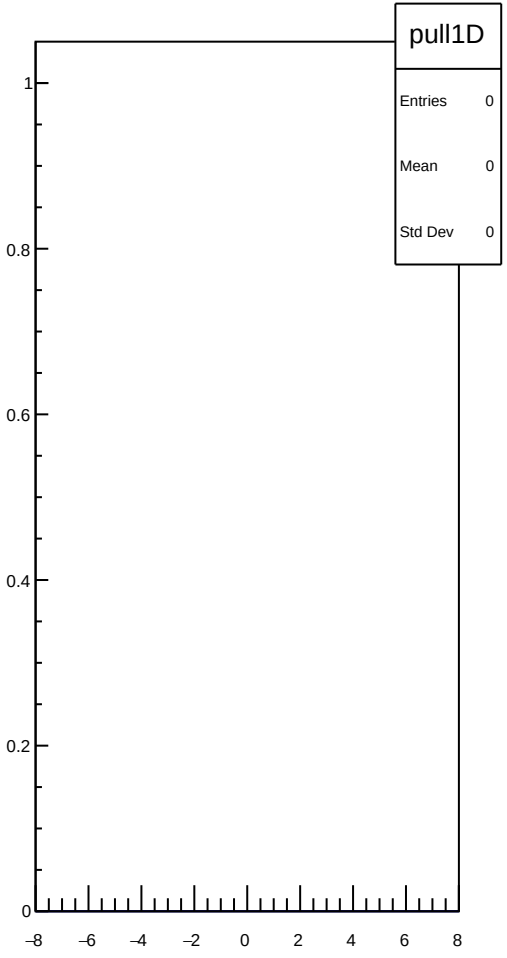

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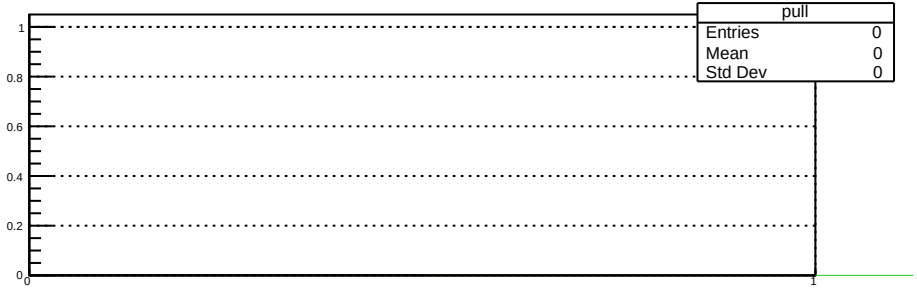

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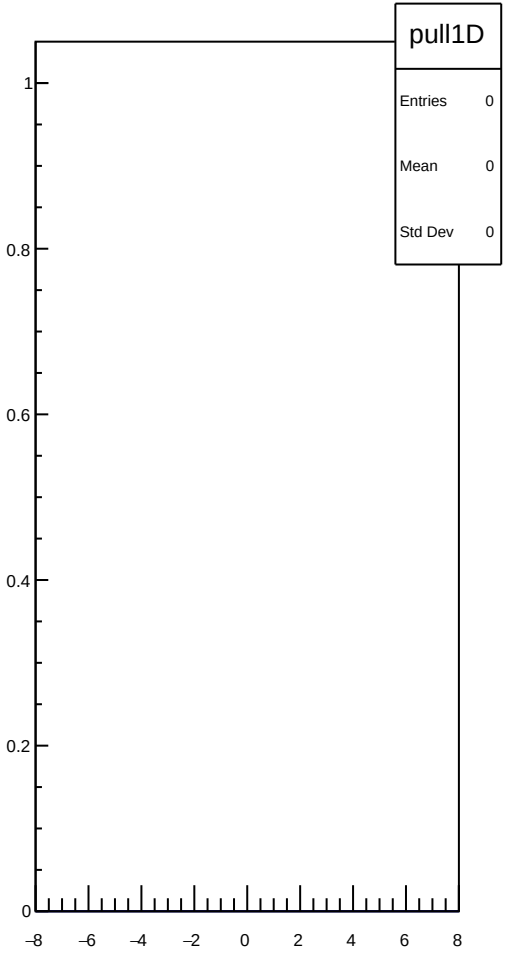

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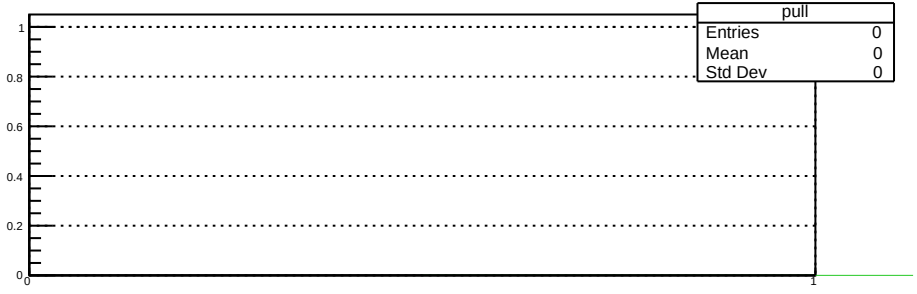

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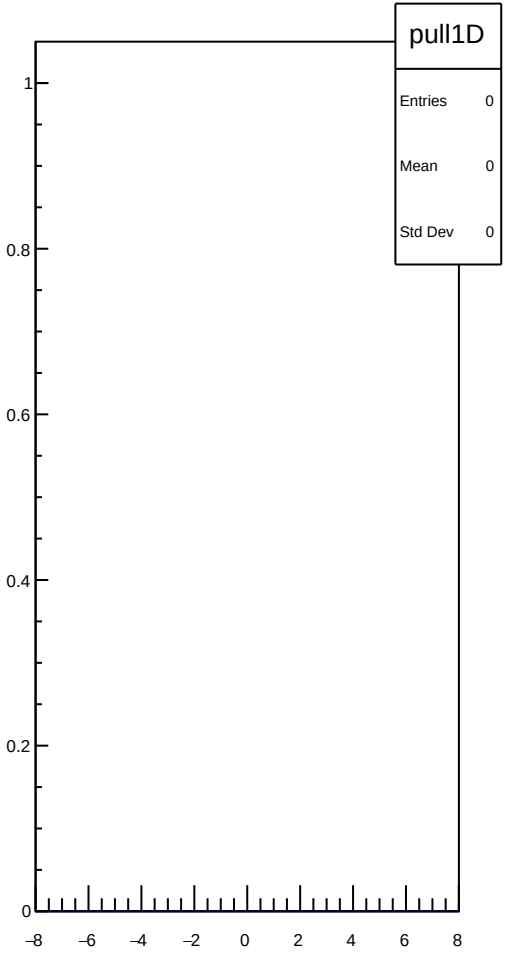

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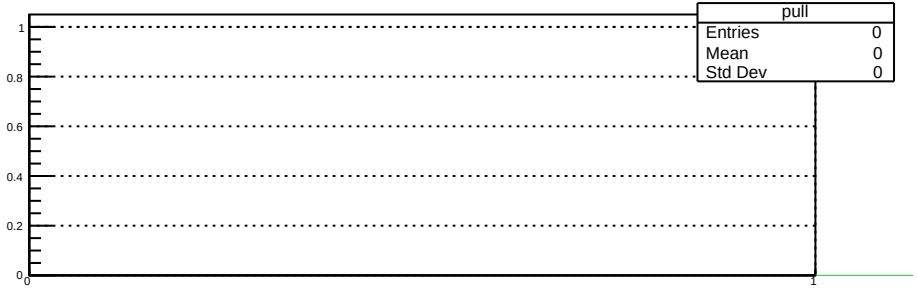

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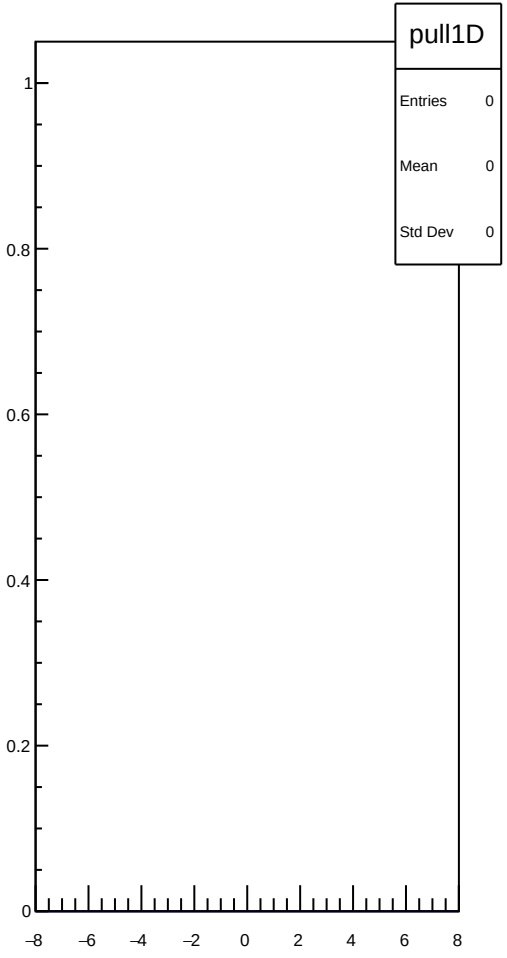

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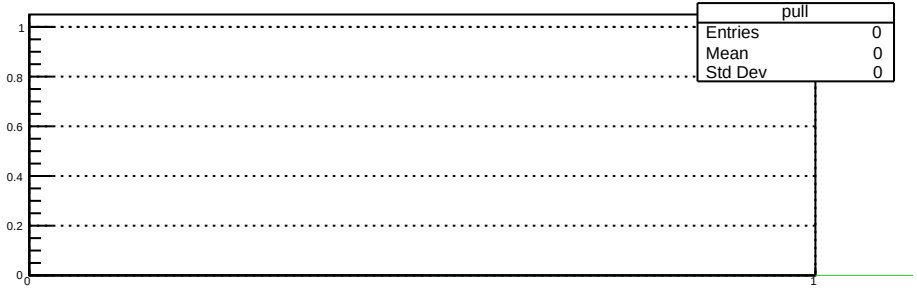

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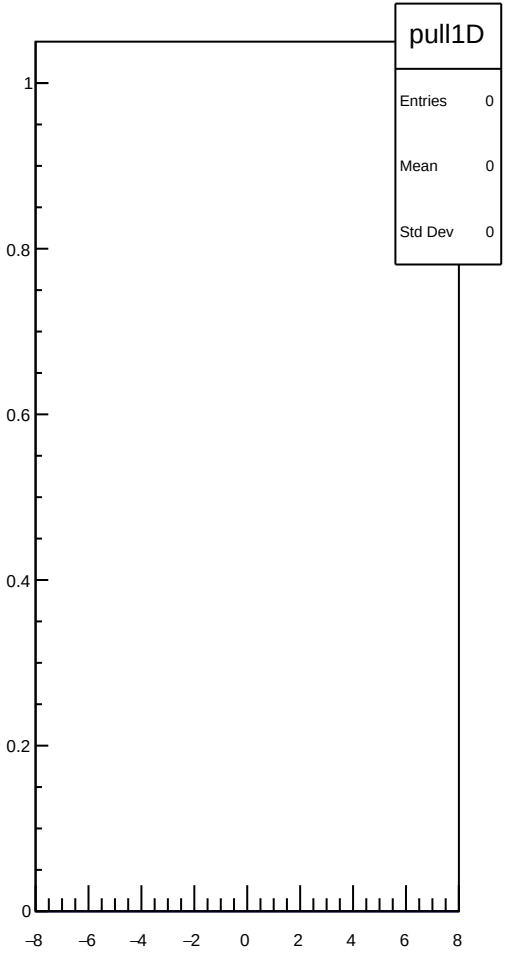

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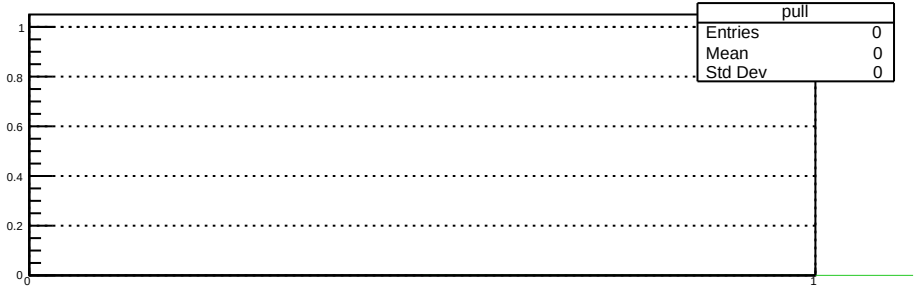

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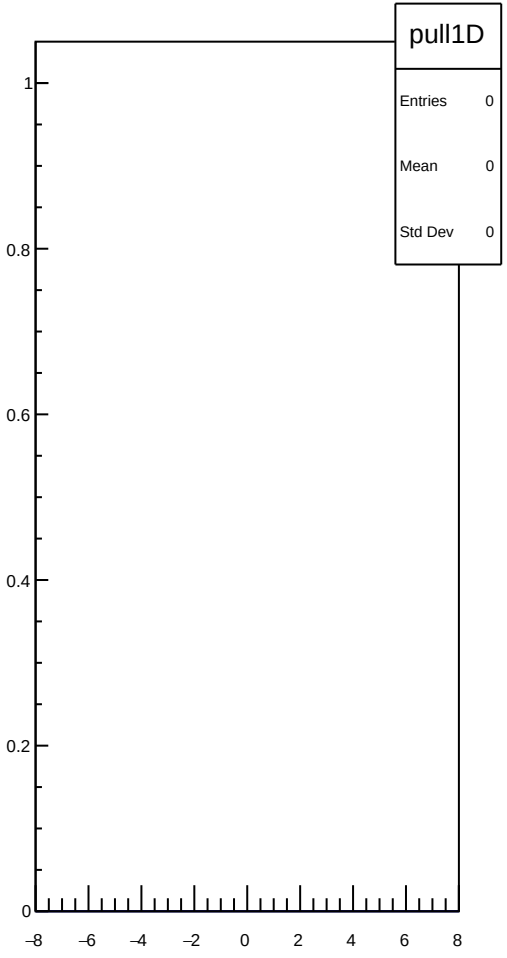

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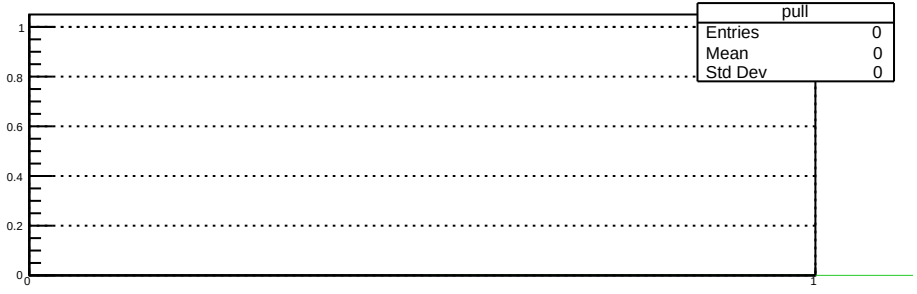

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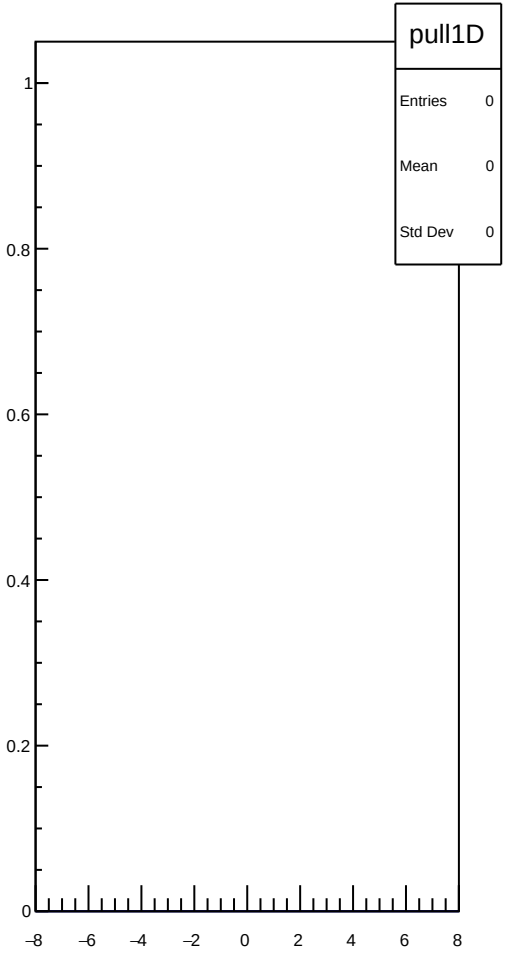

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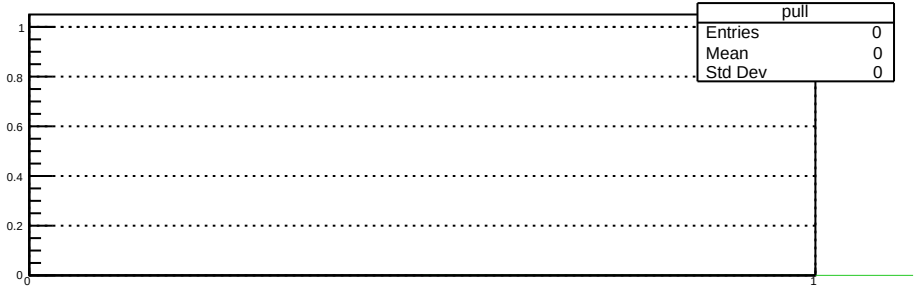

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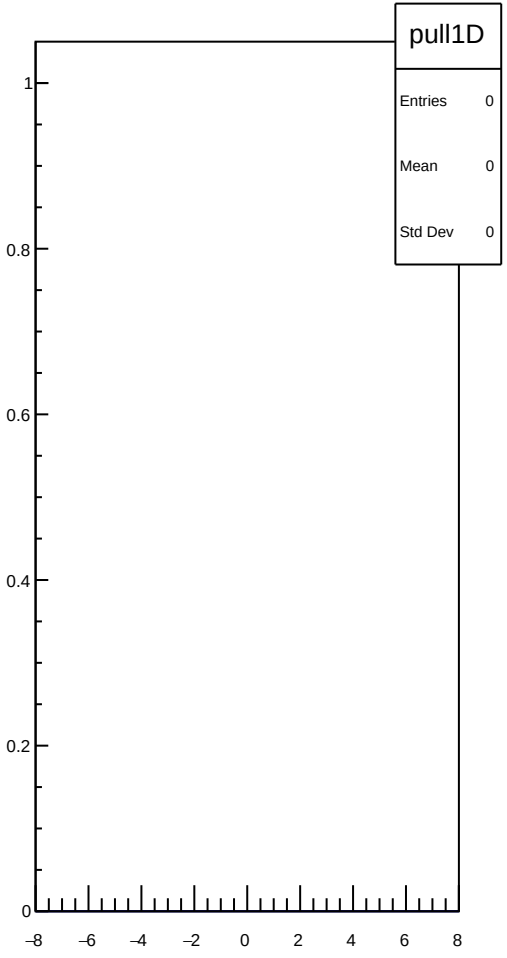

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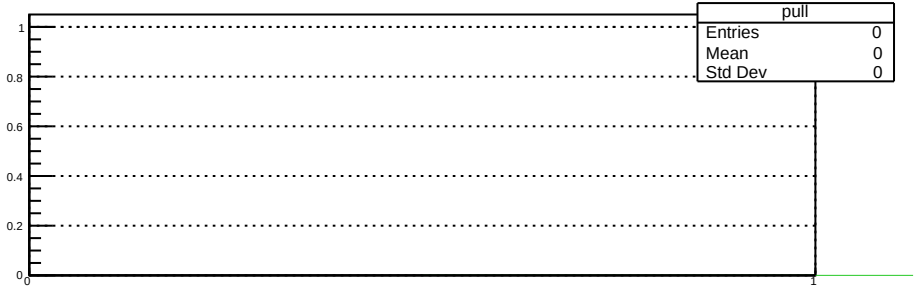

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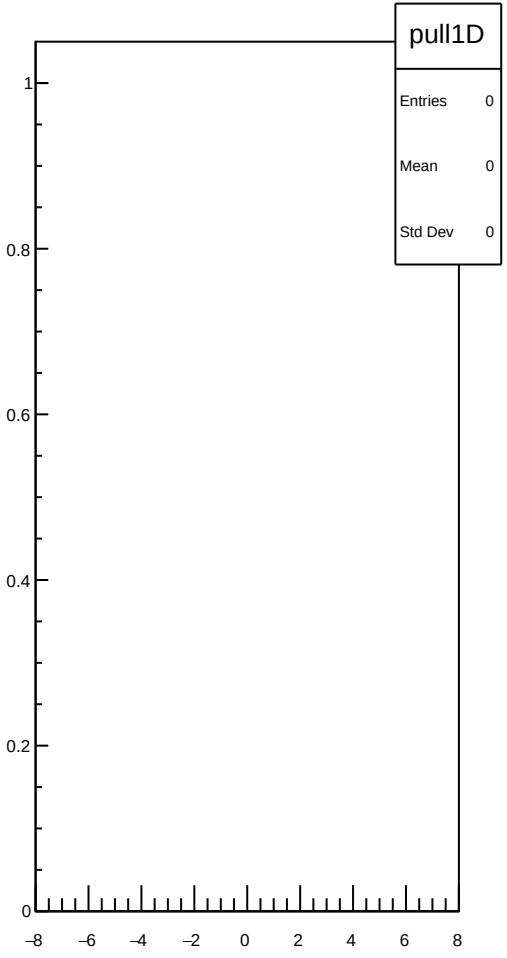

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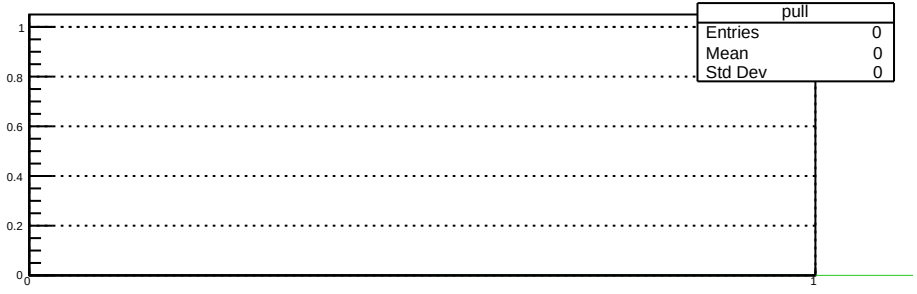

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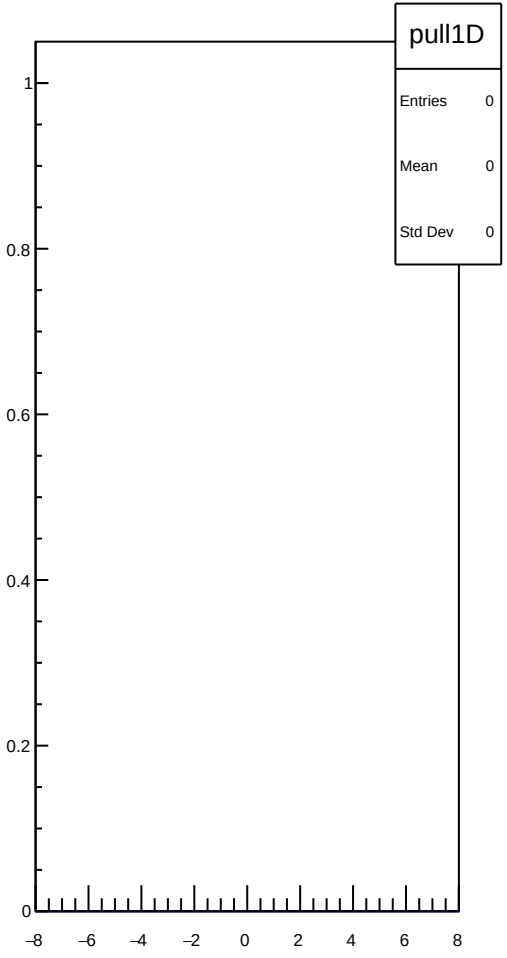

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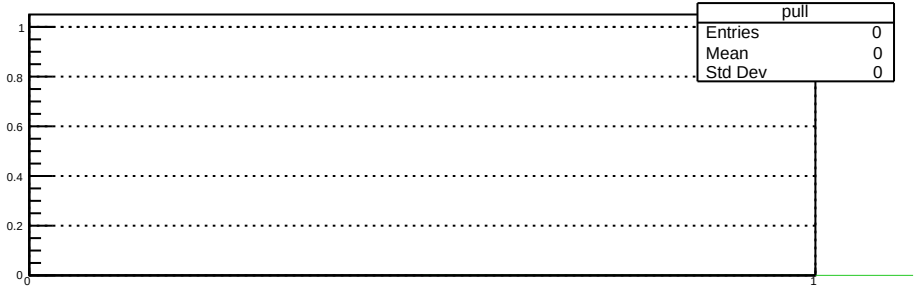

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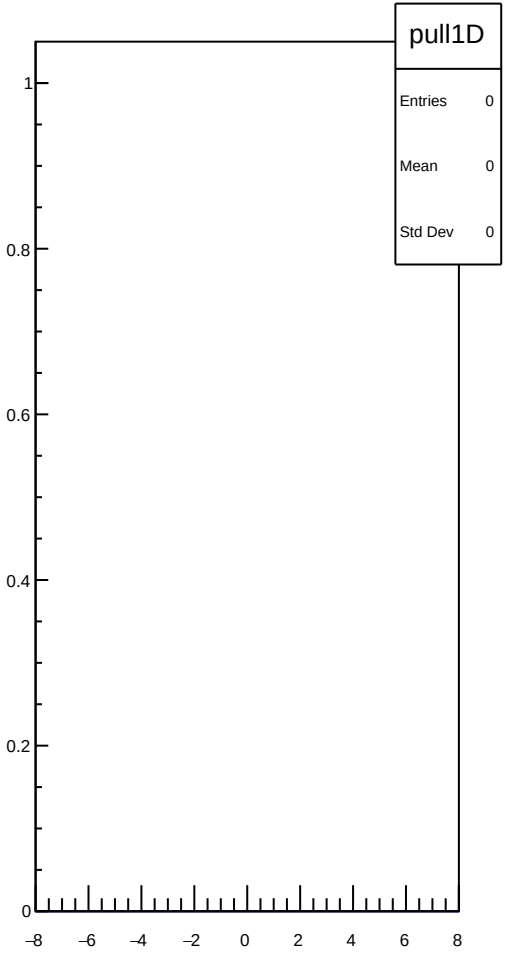

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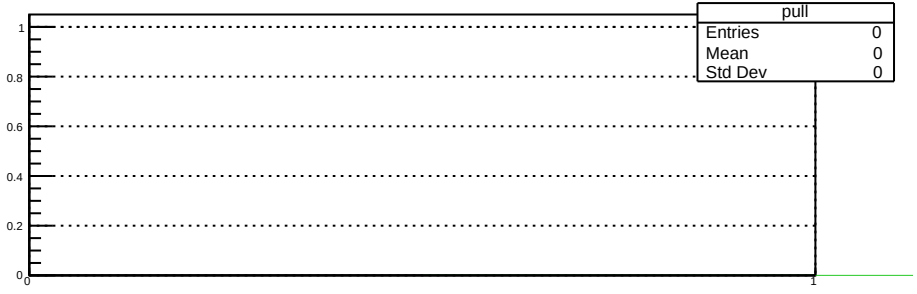

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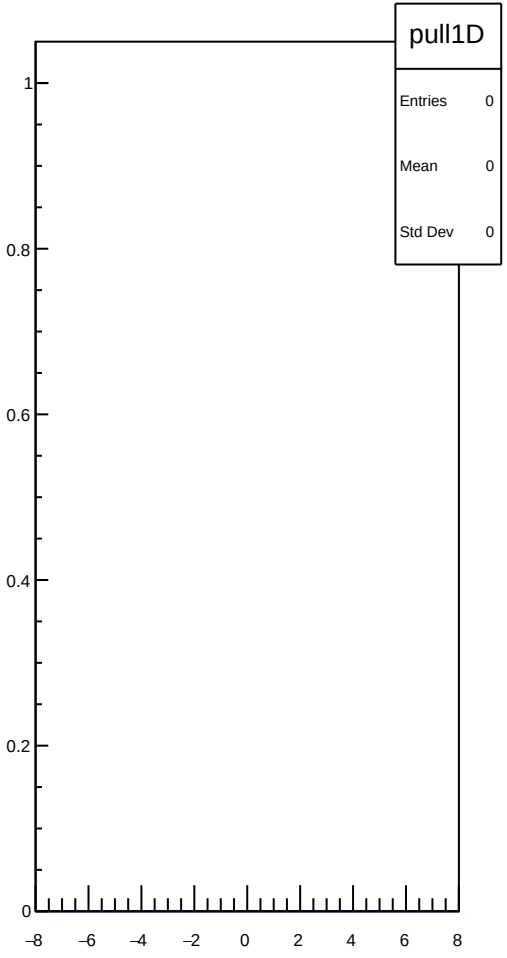

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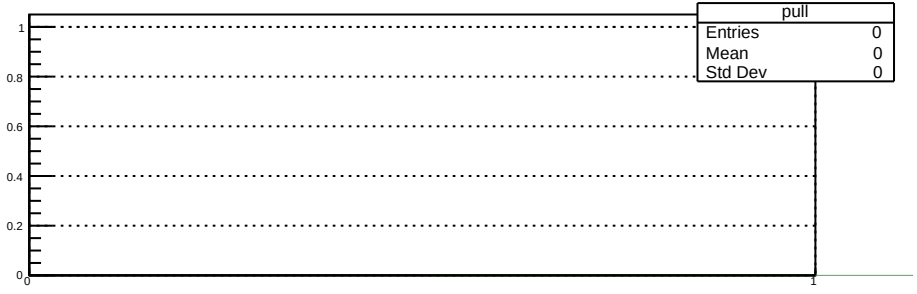

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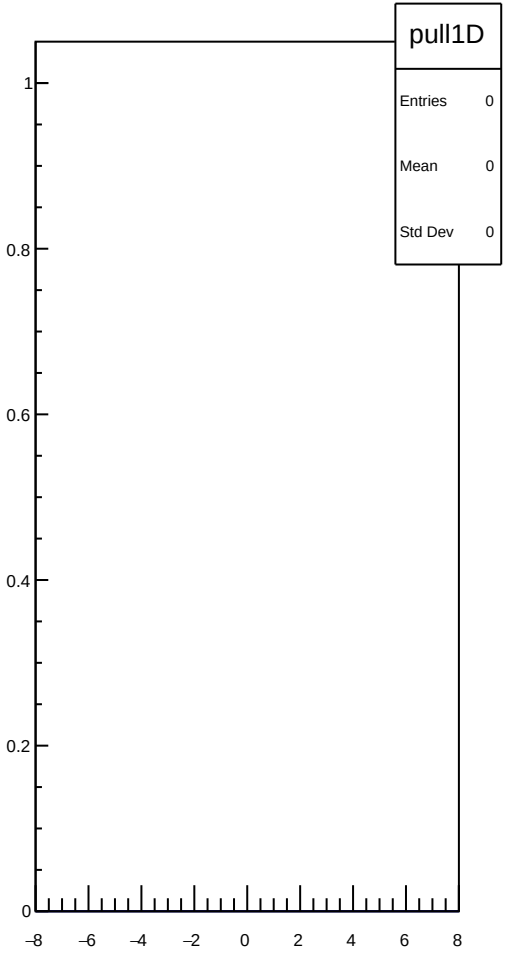

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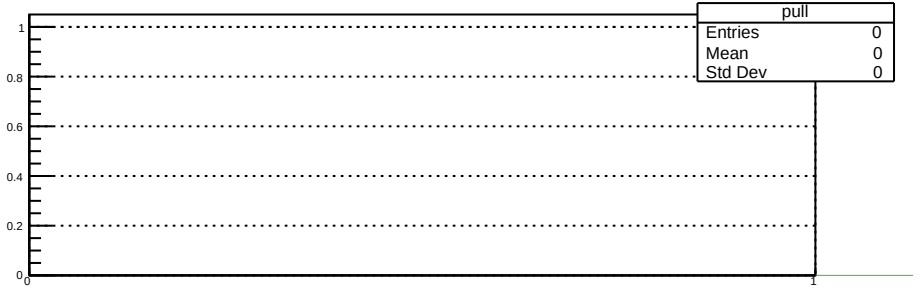

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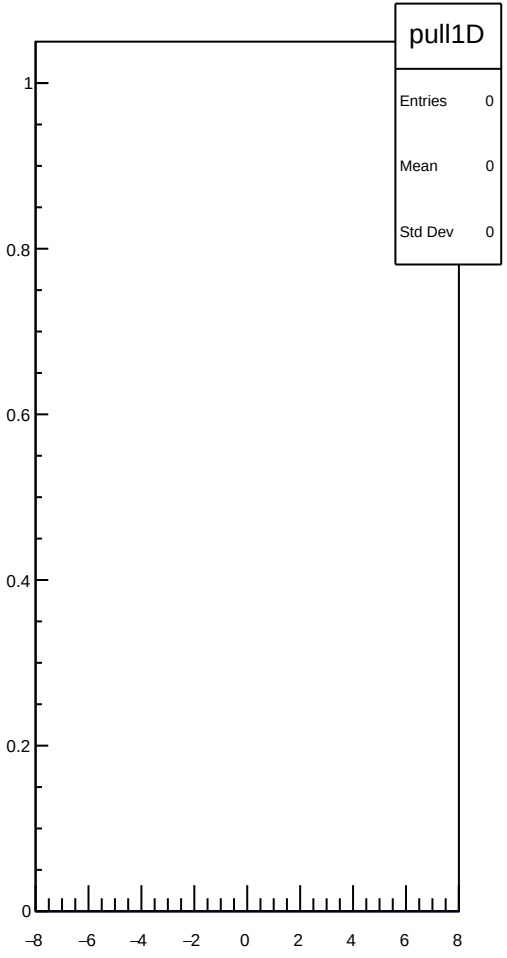

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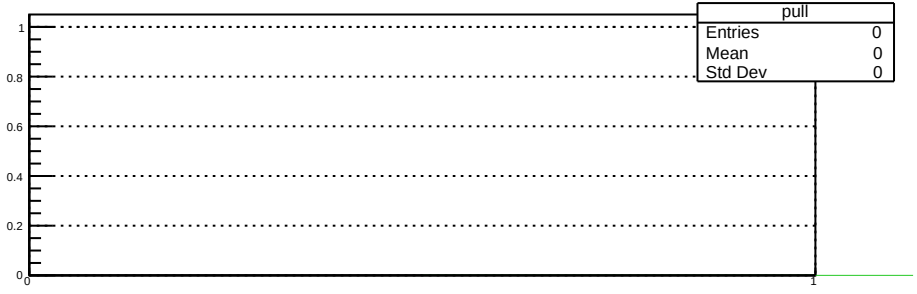

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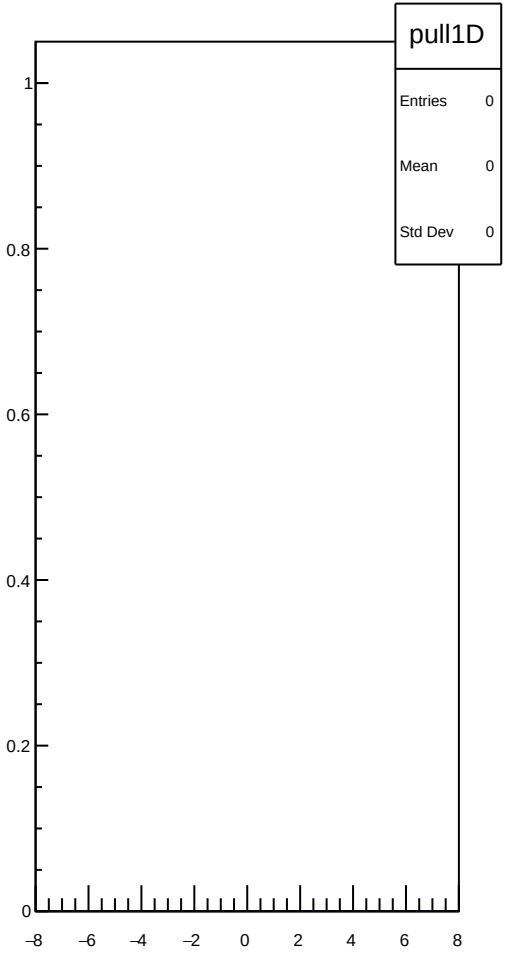

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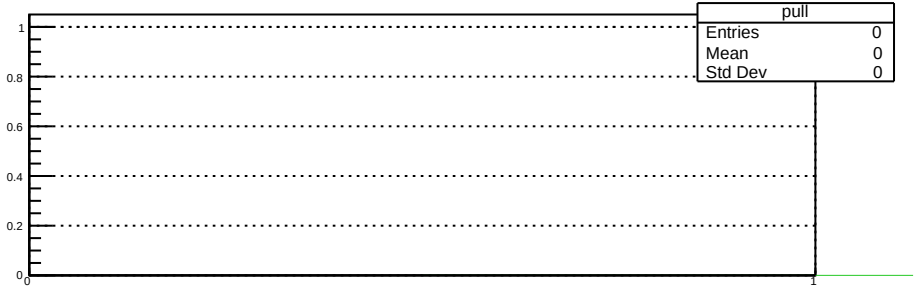

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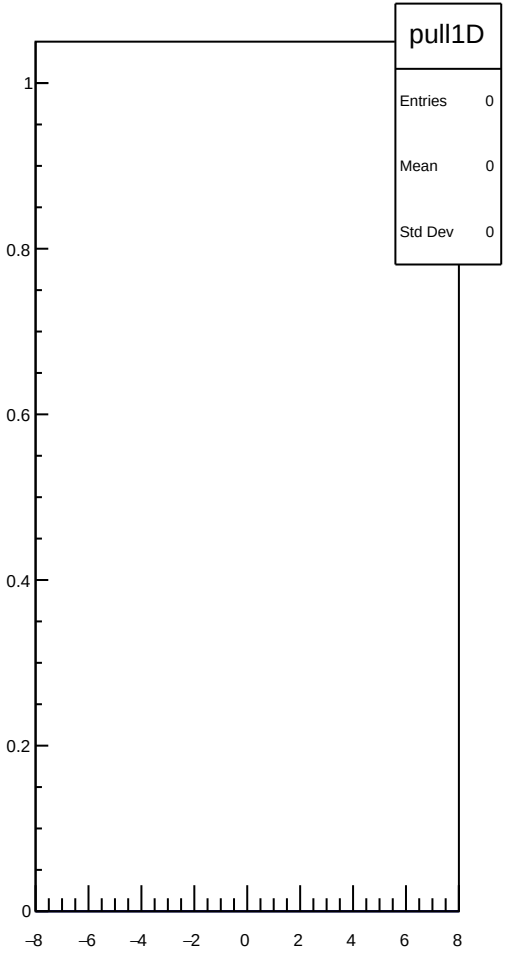

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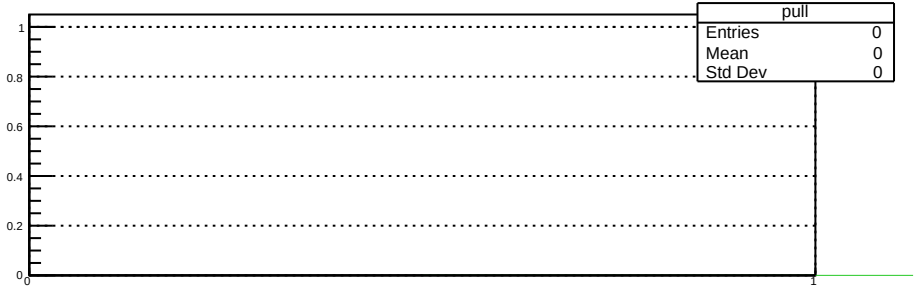

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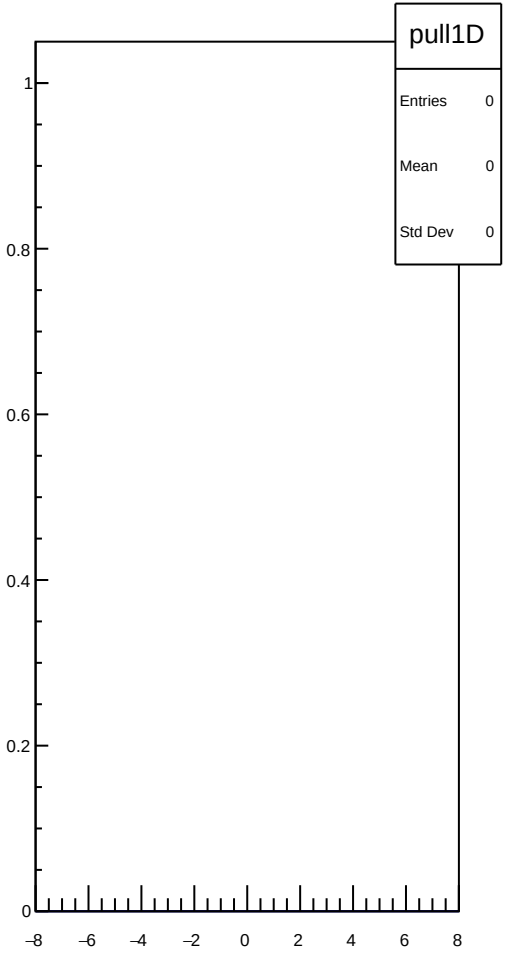

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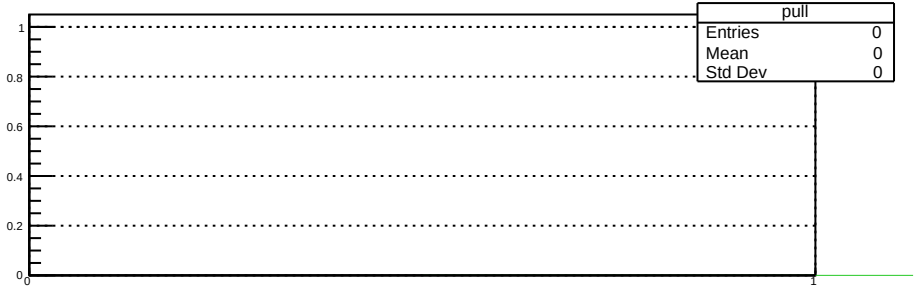

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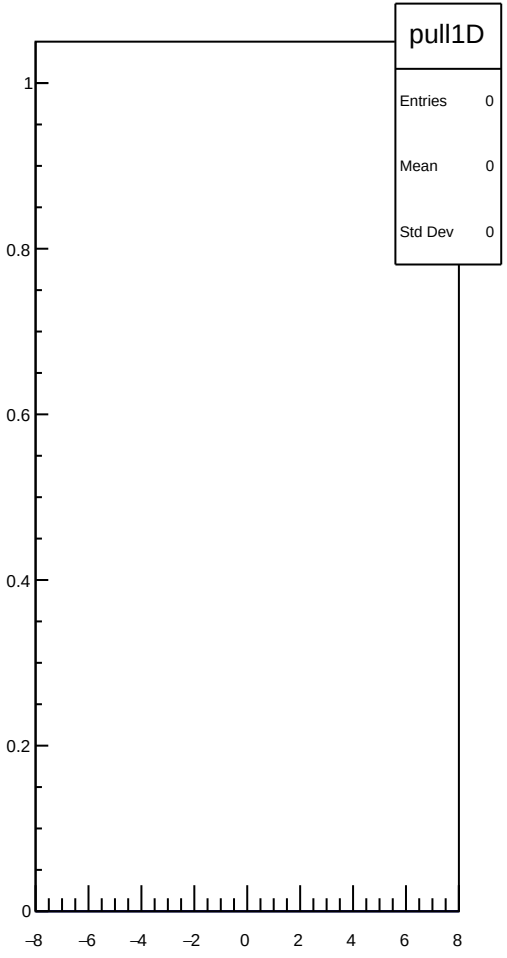

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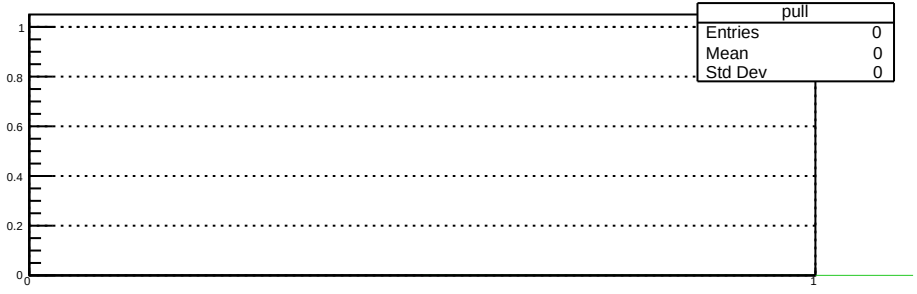

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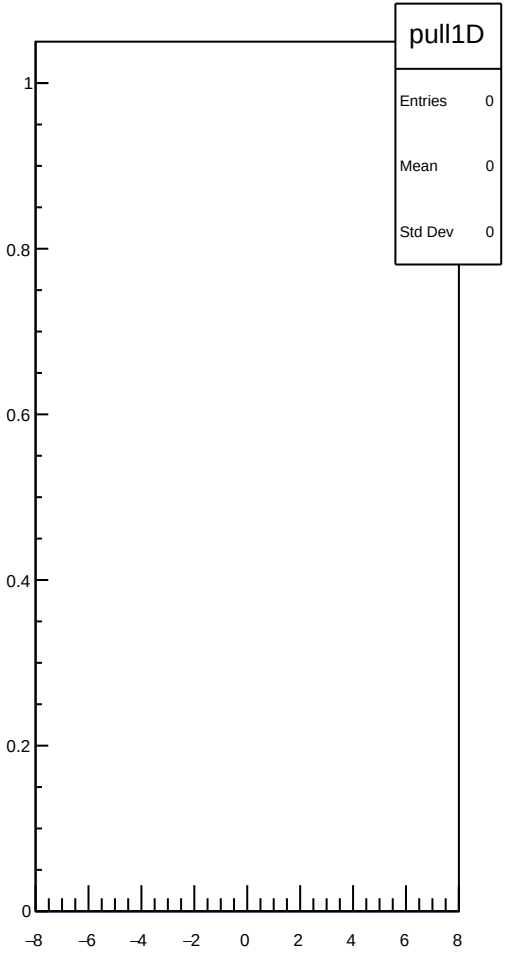

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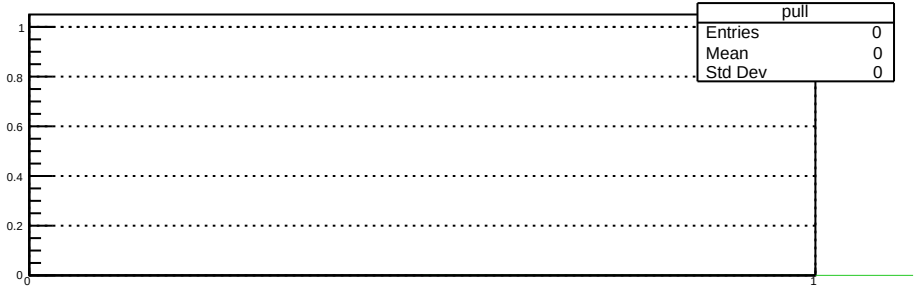

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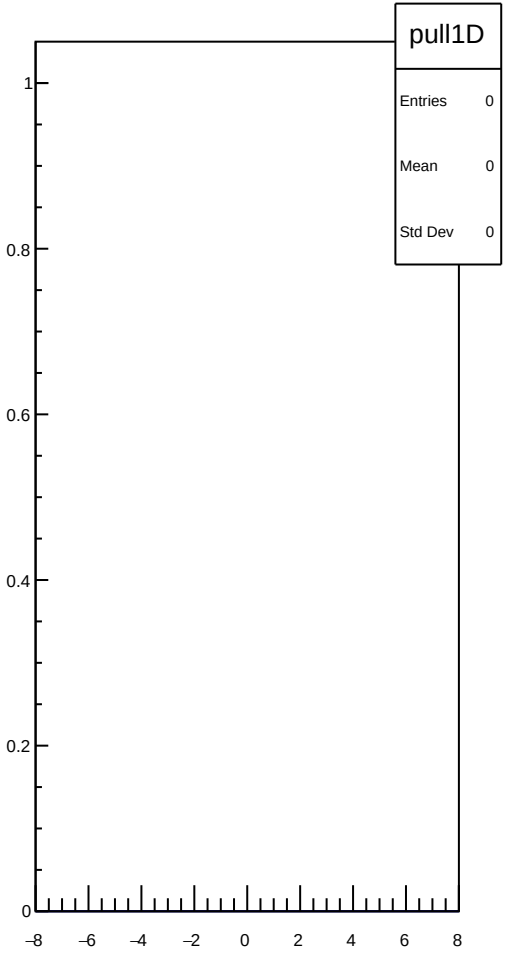

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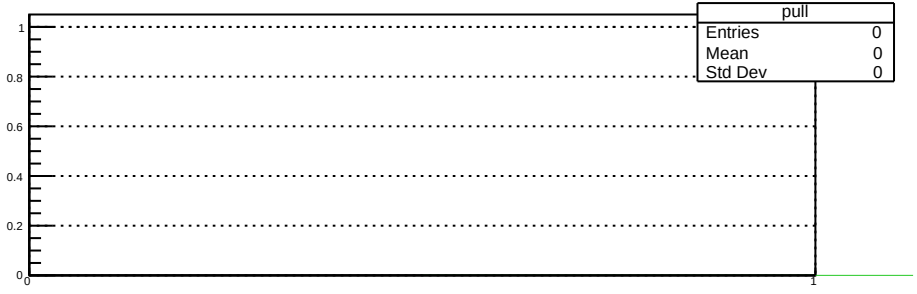

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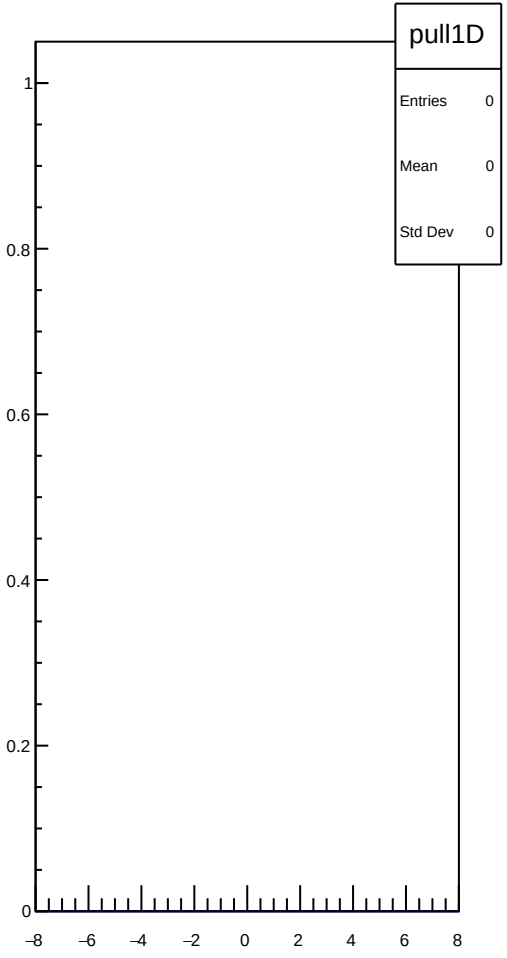

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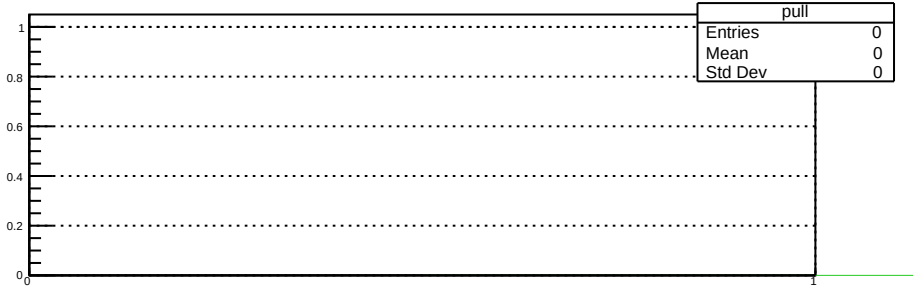

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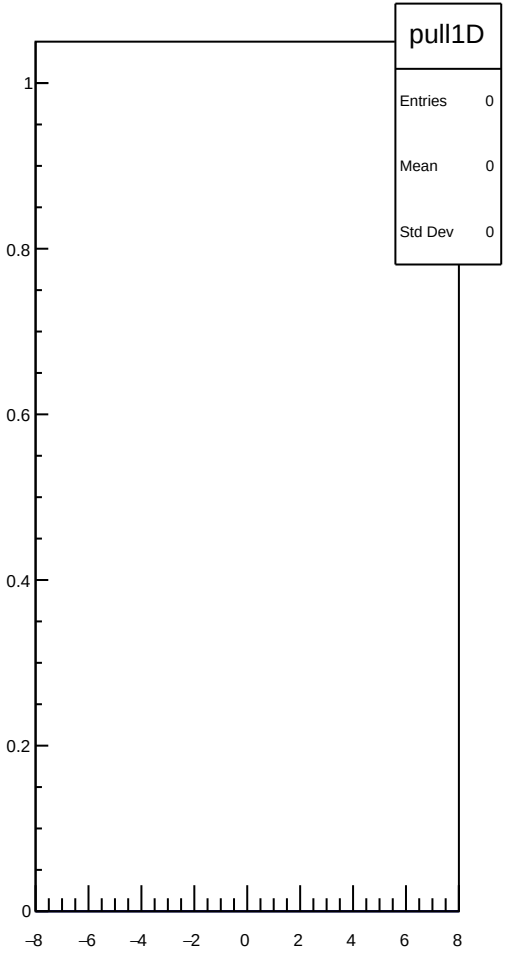

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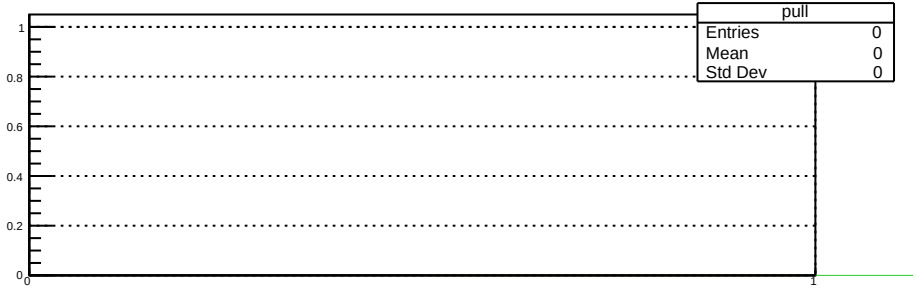

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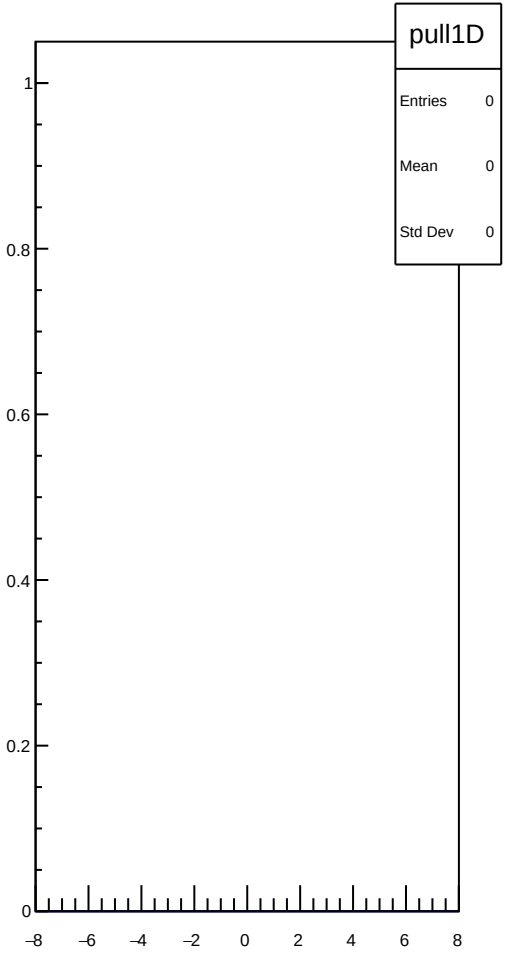

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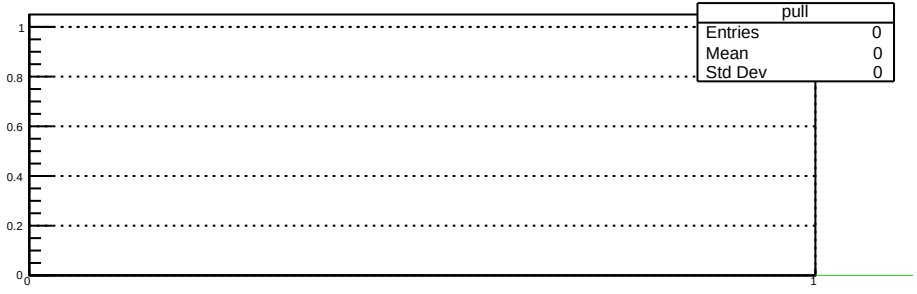

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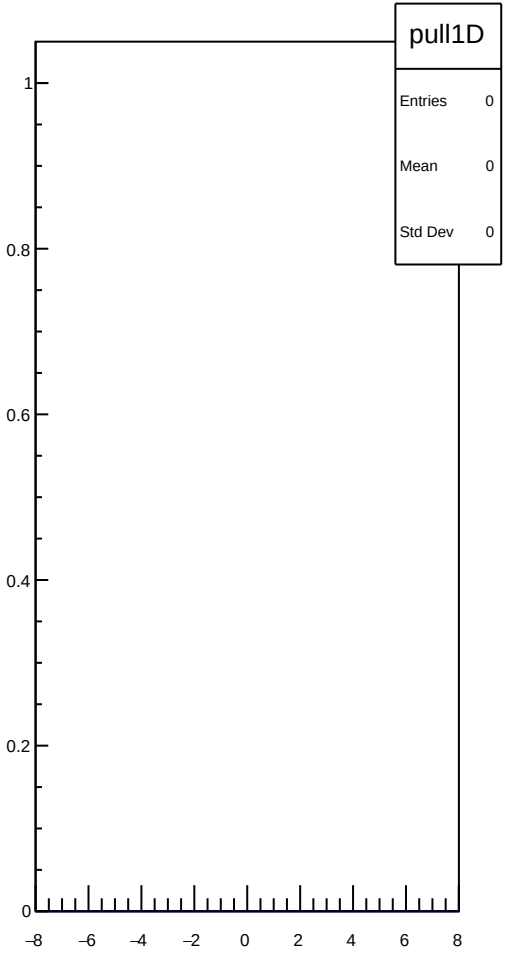

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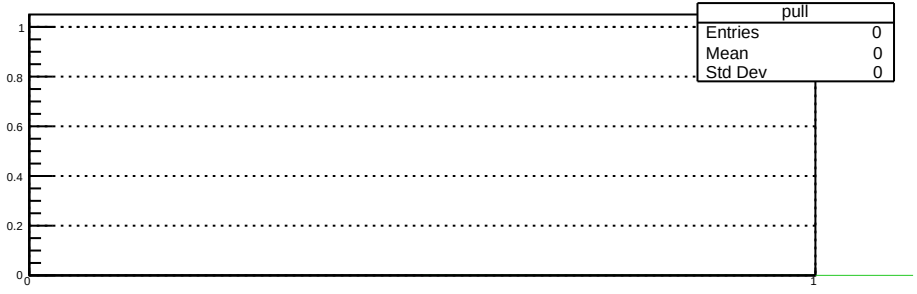

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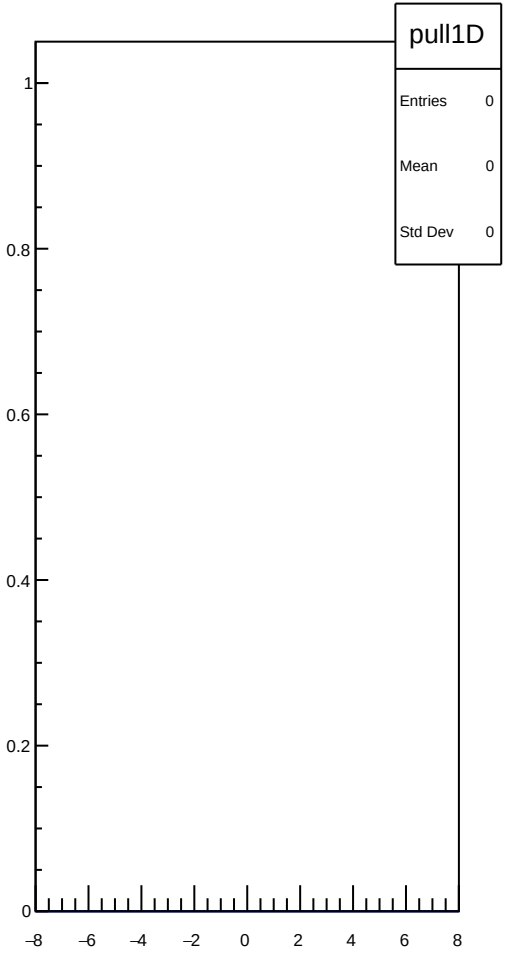

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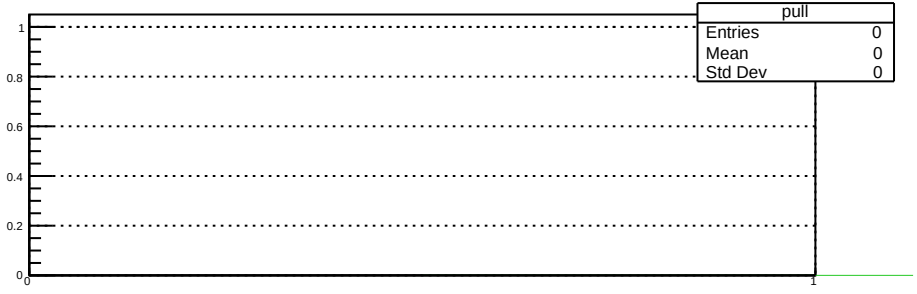

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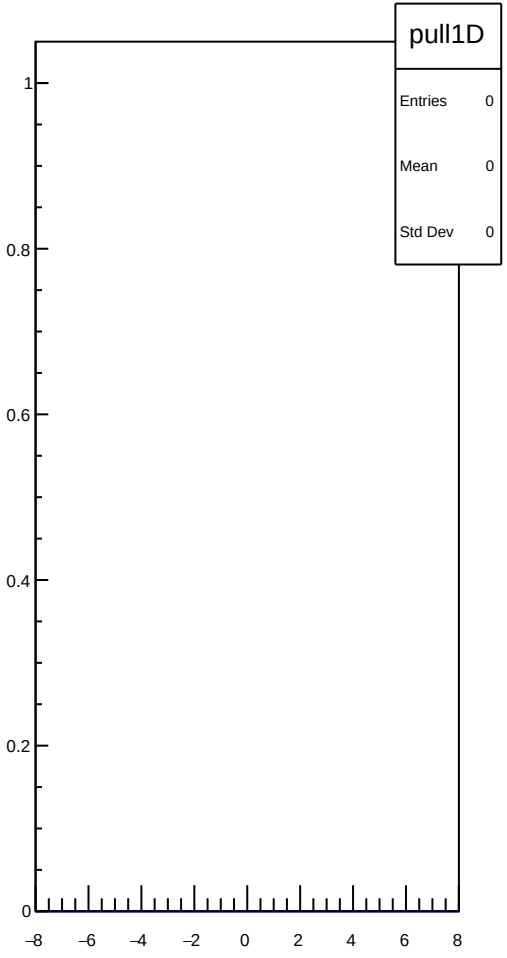

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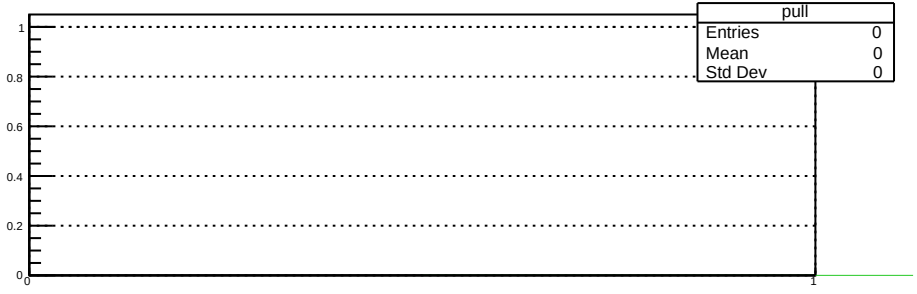

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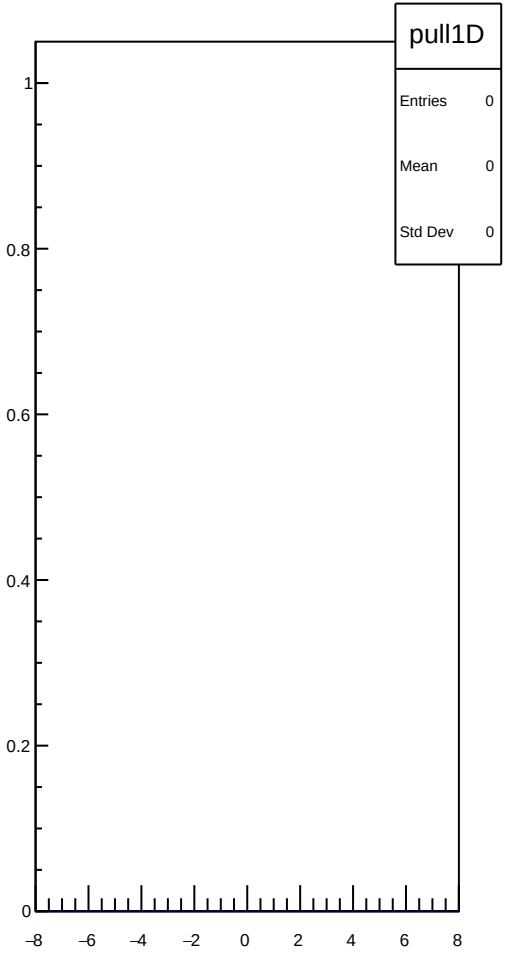

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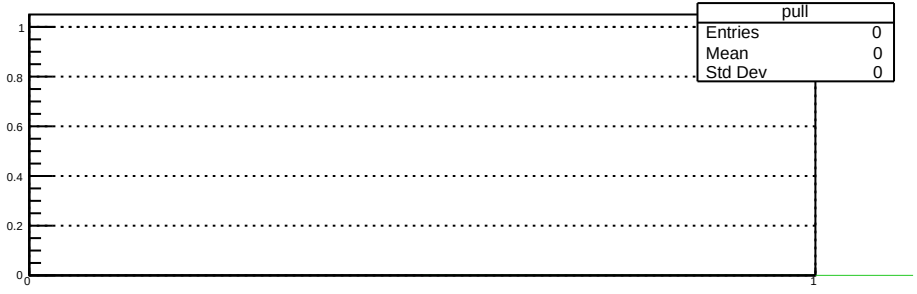

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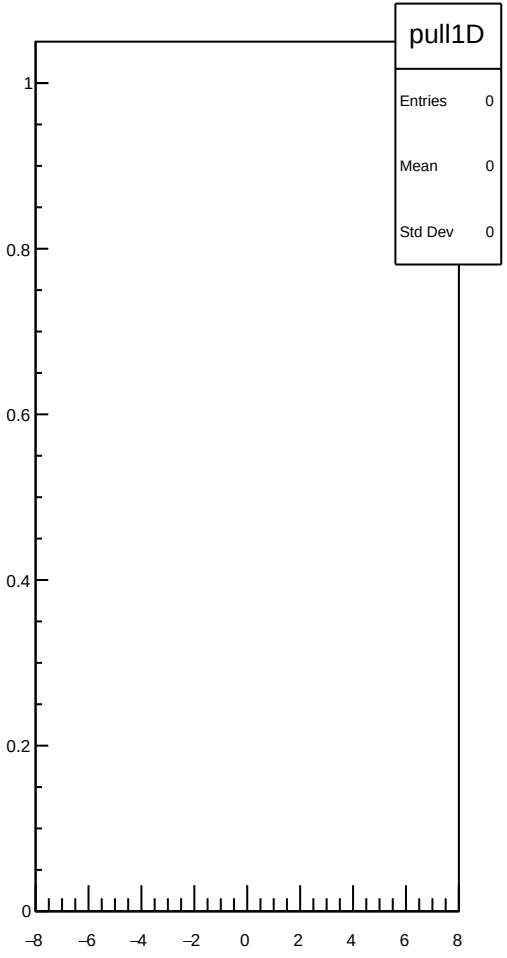

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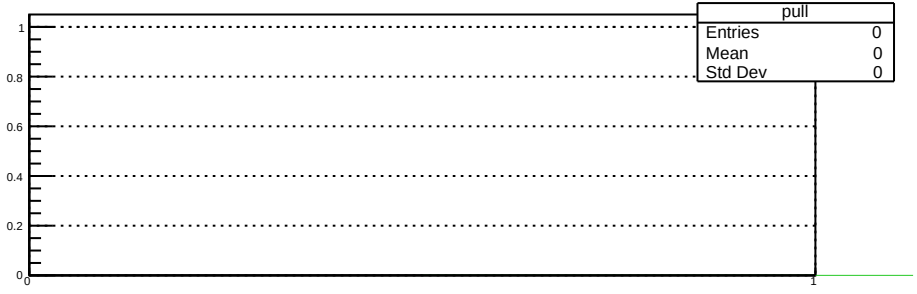

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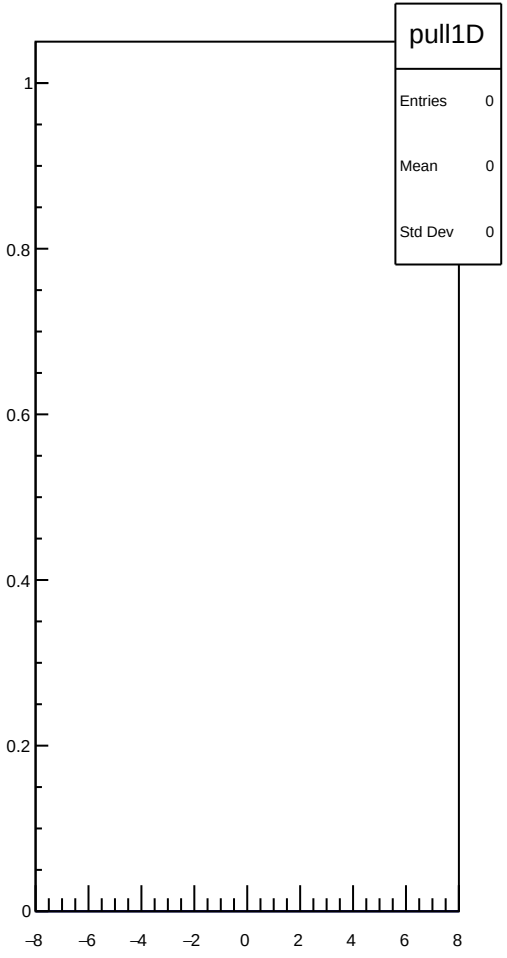

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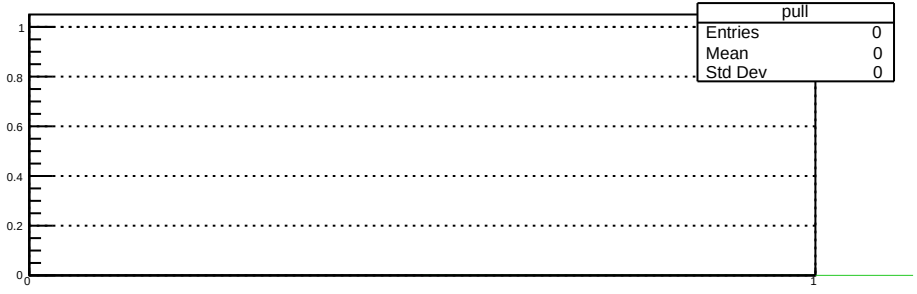

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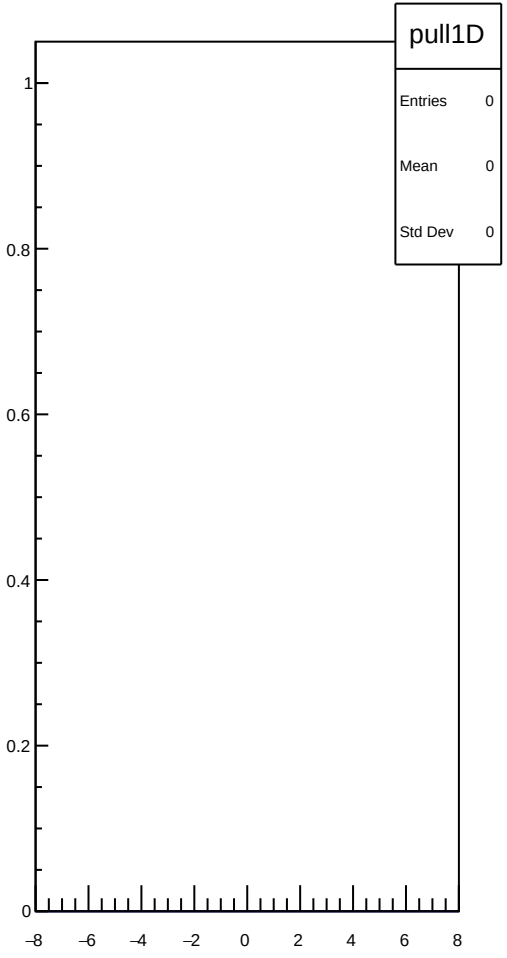

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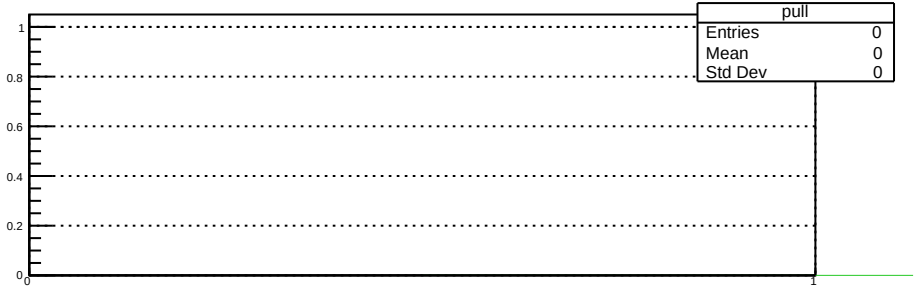

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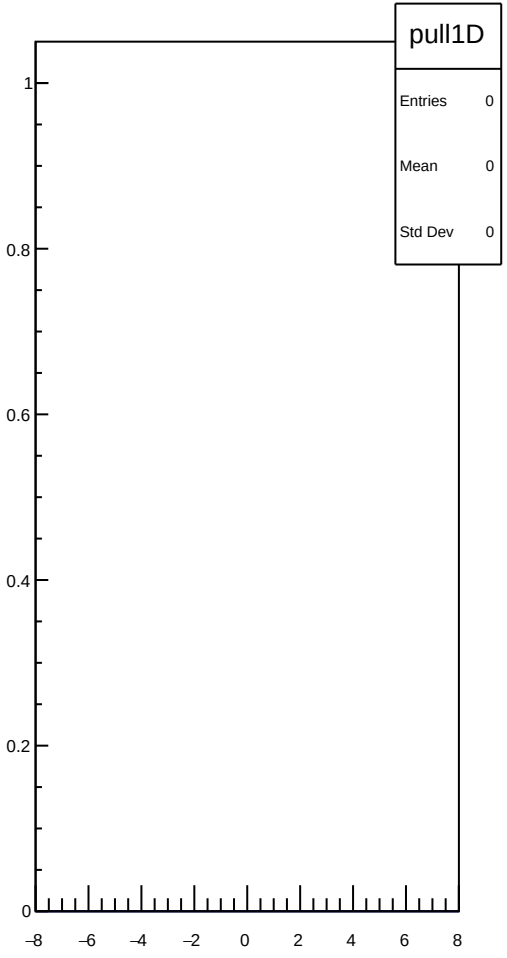

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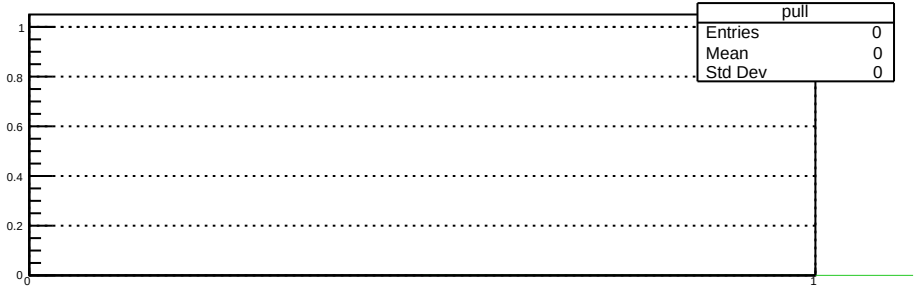

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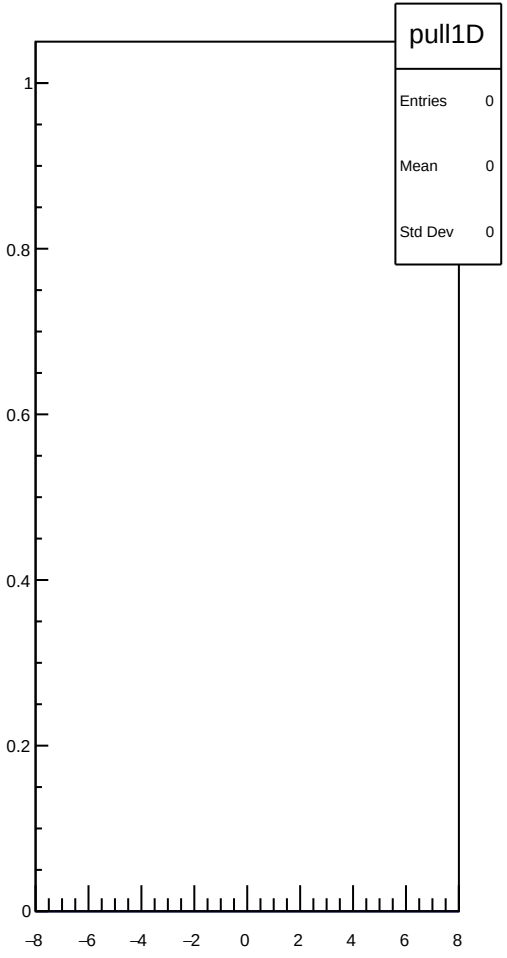

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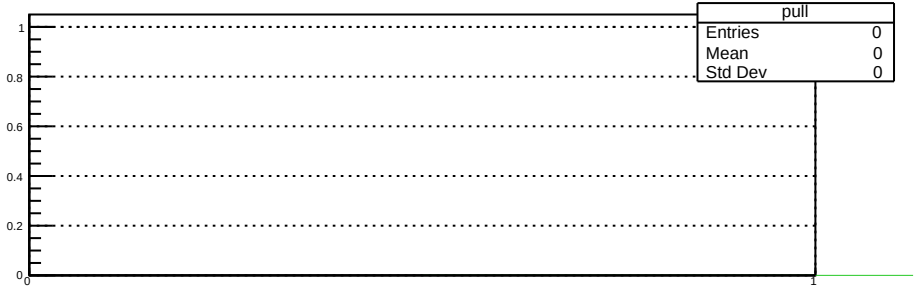

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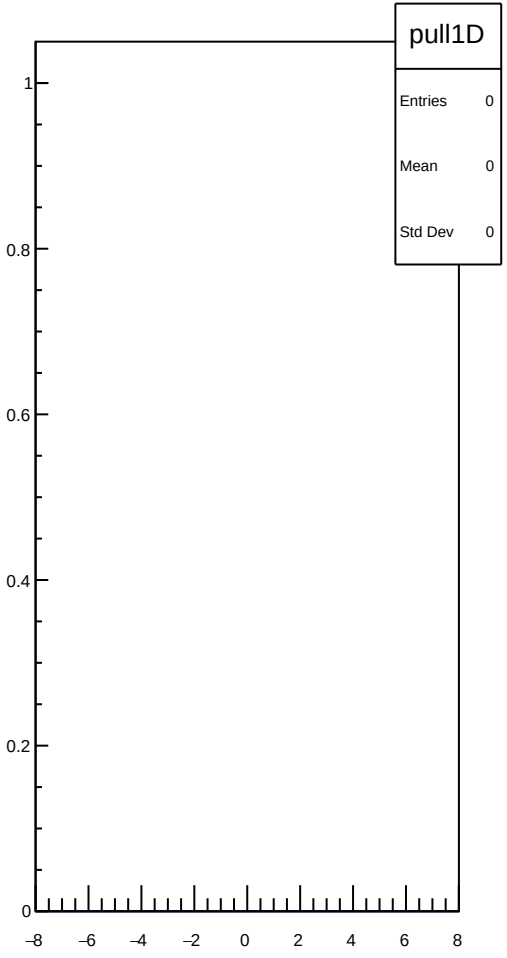

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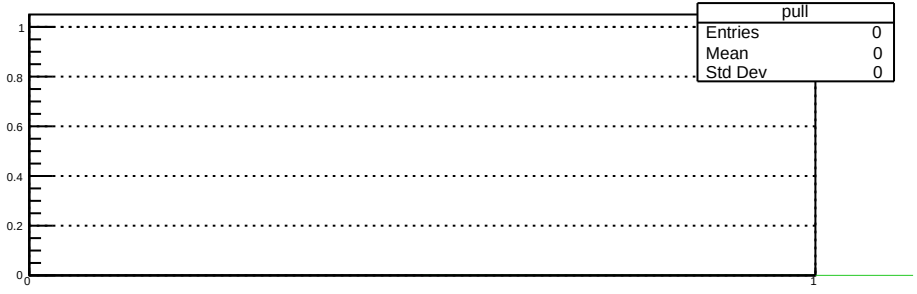

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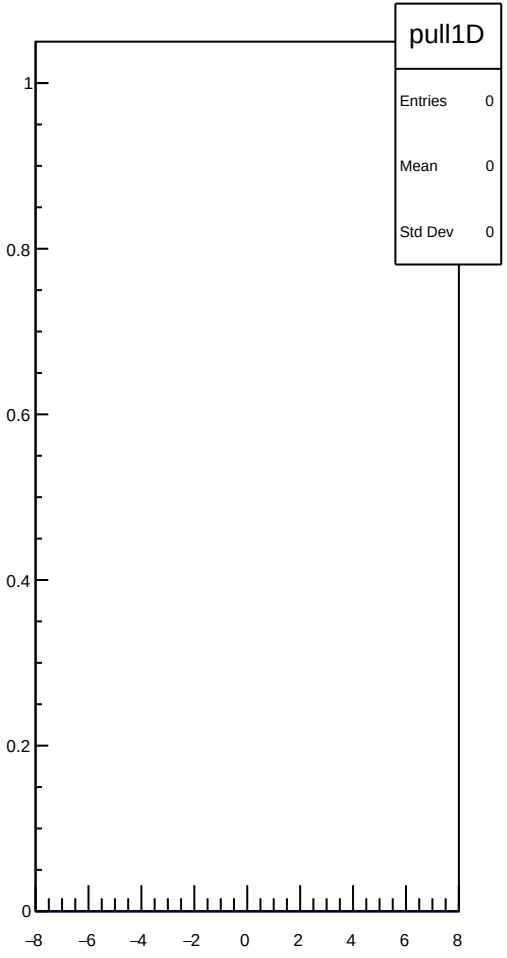

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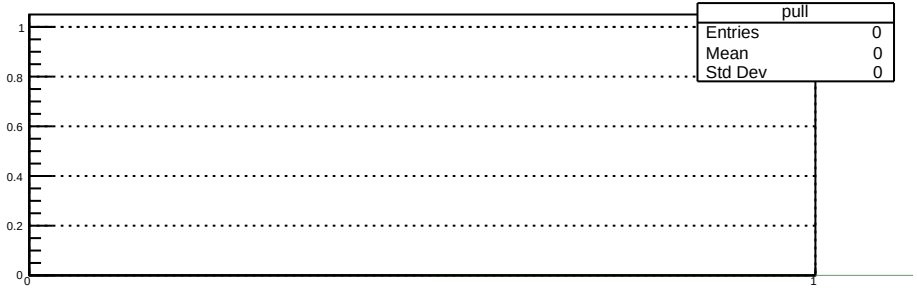

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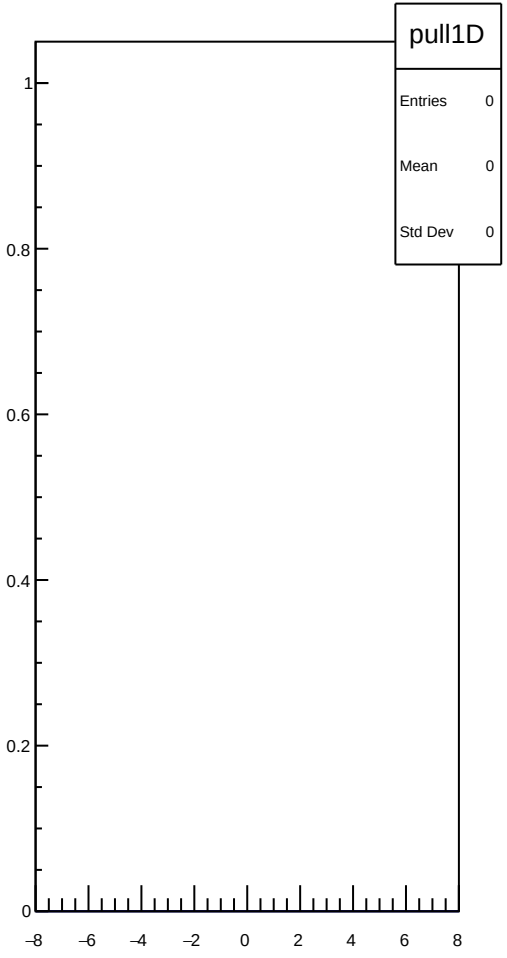

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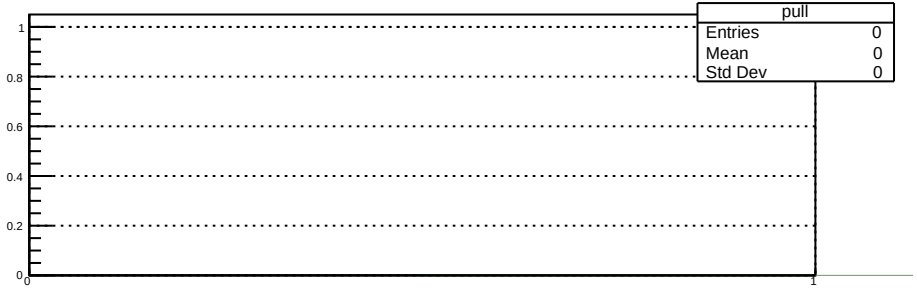

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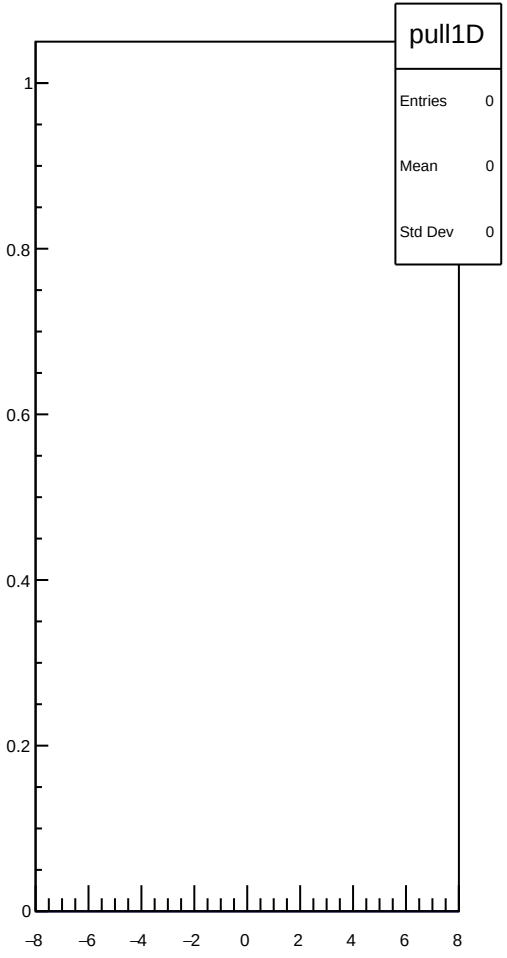

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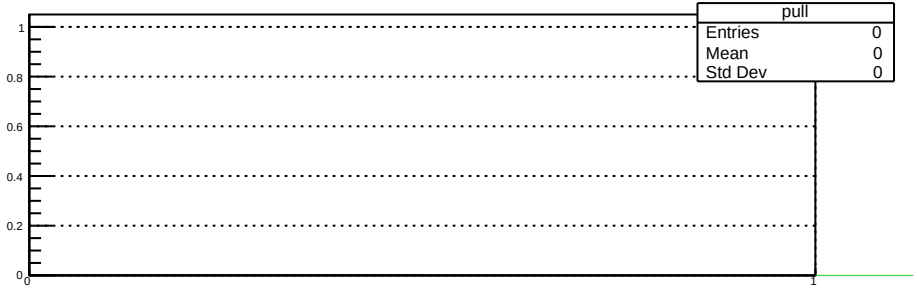

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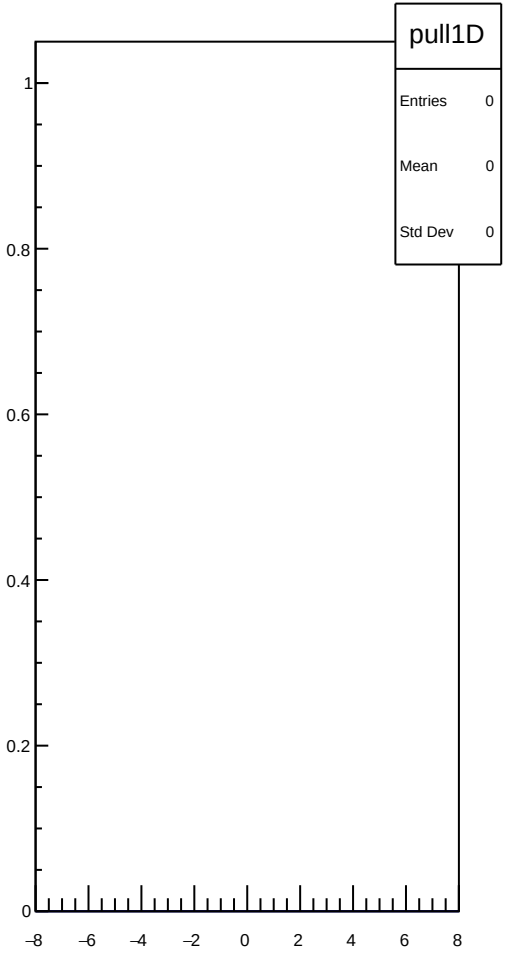

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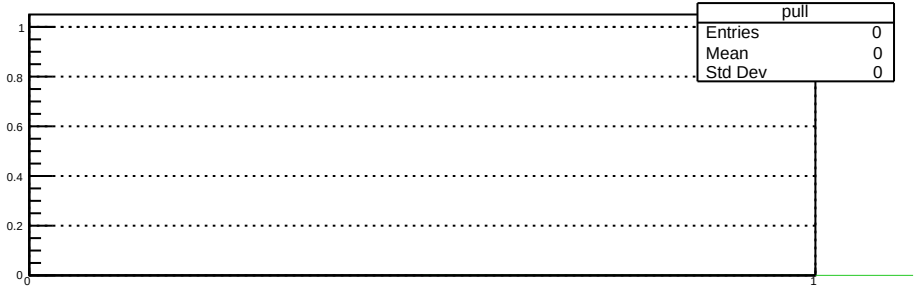

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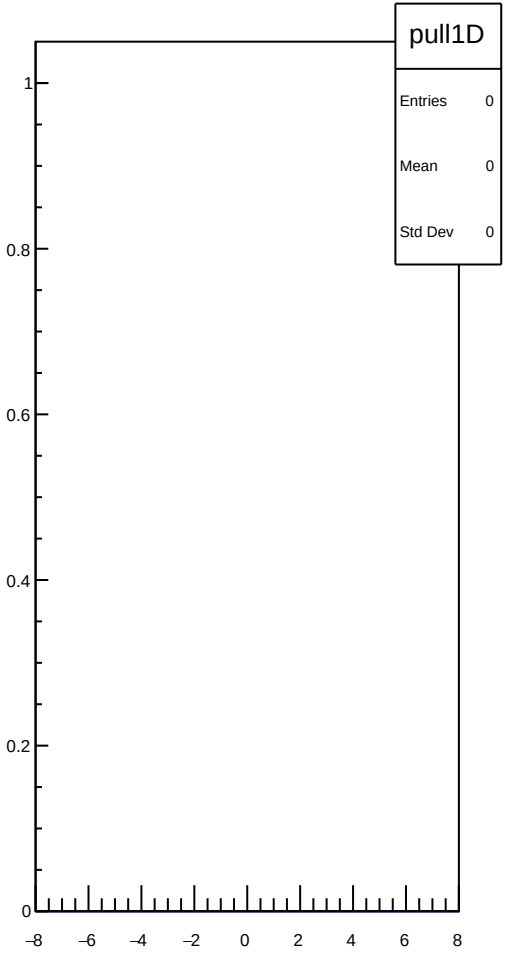

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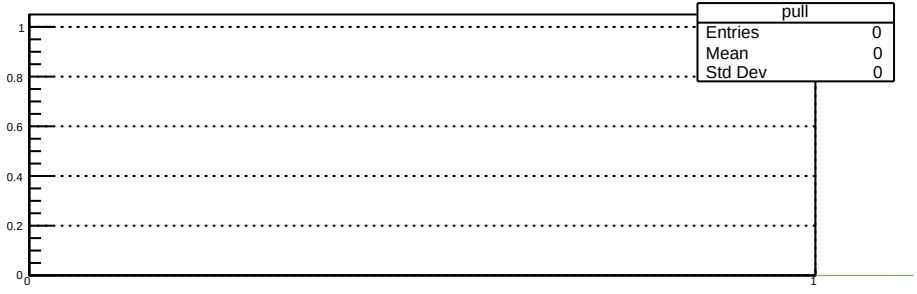

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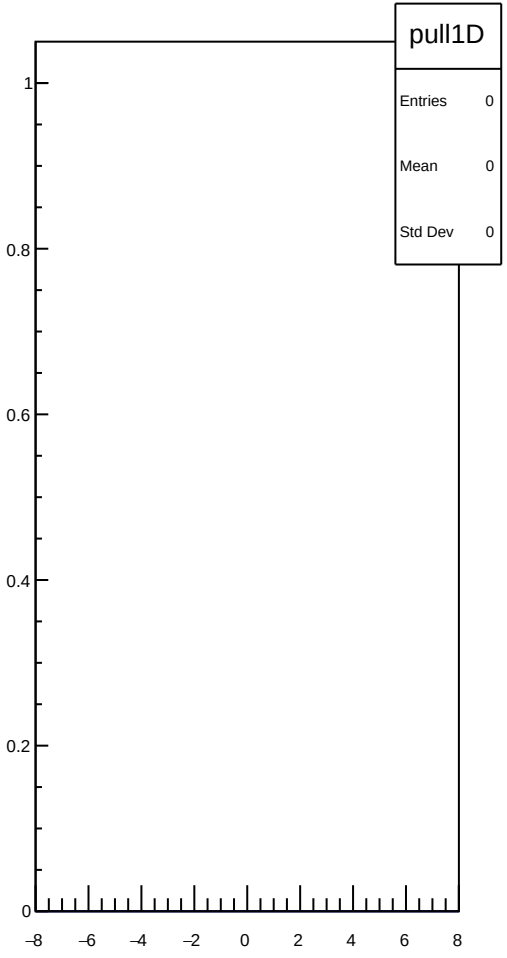

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1

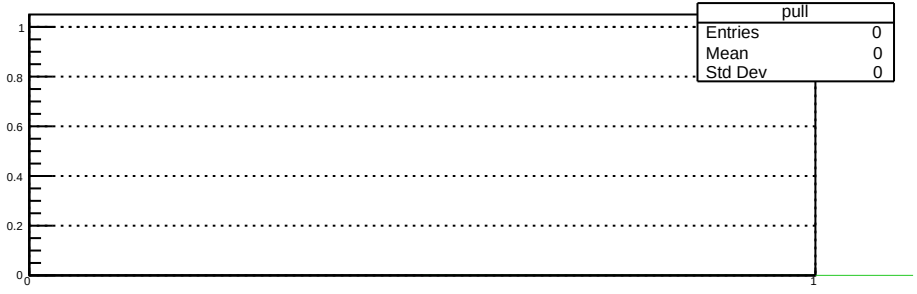

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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–6
–4
–2
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6
8

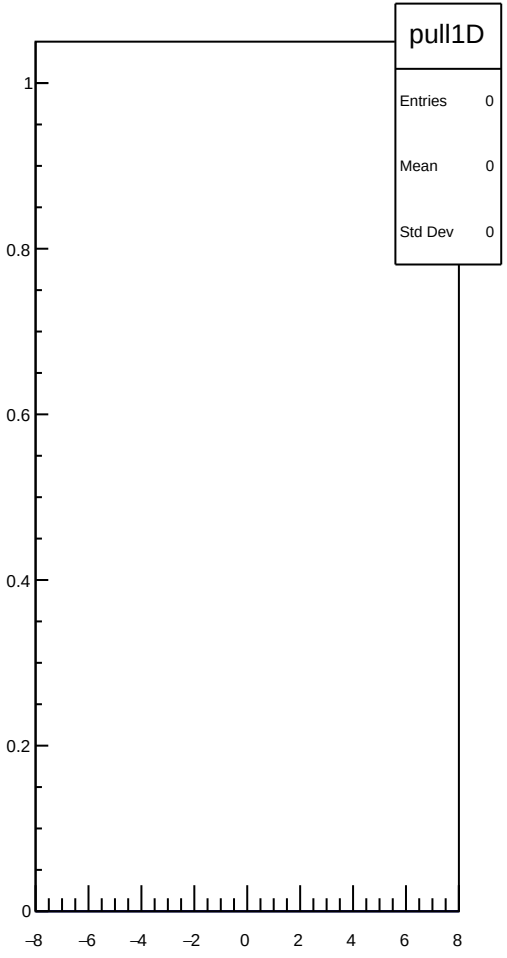

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

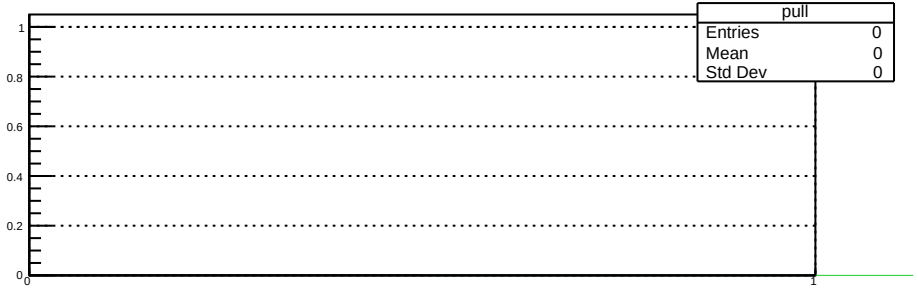

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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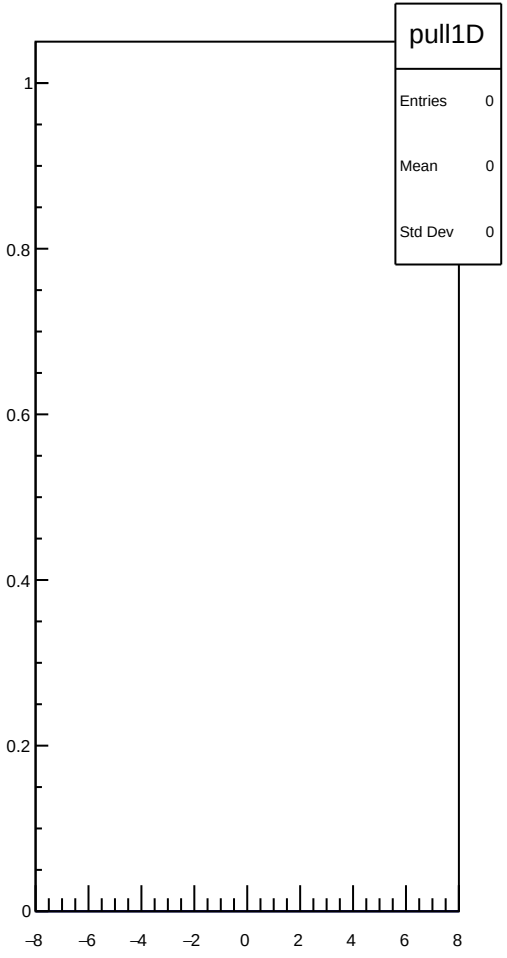

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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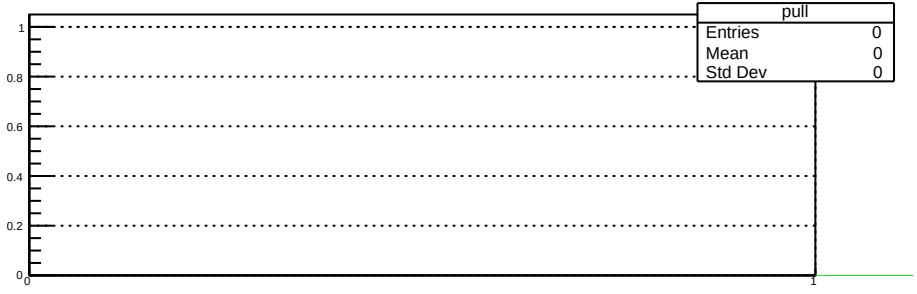

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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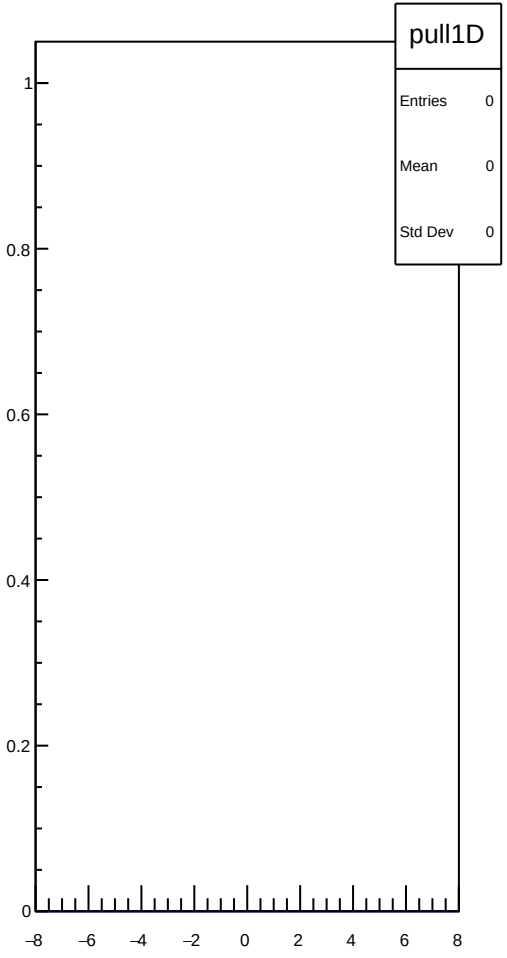

pull
Entries 0
Mean 0
Std Dev 0
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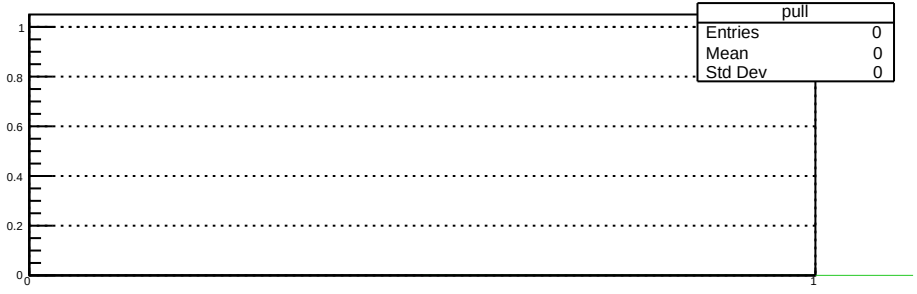

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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–4
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6
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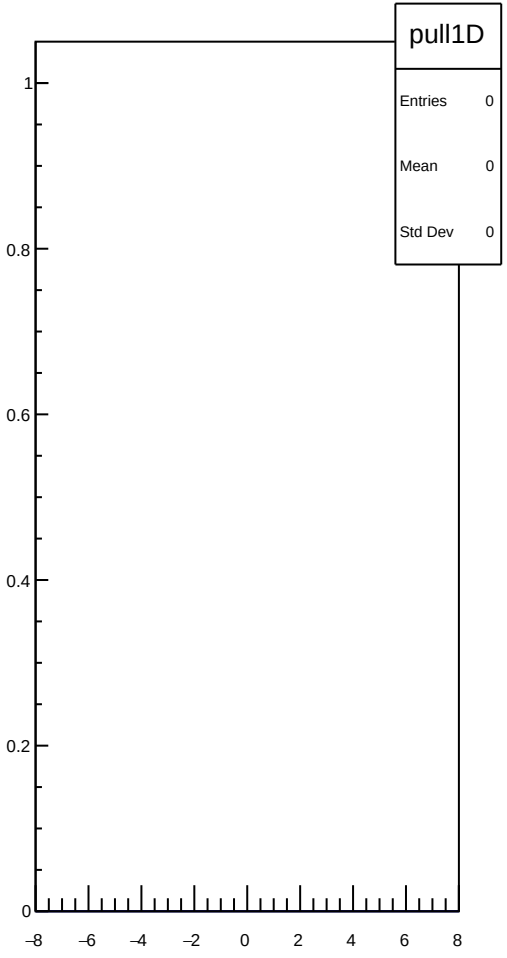

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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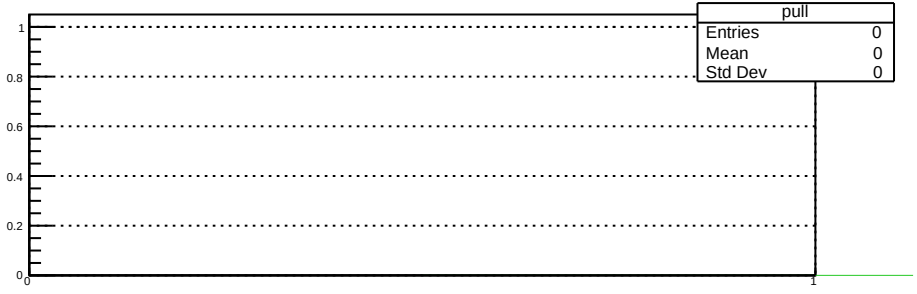

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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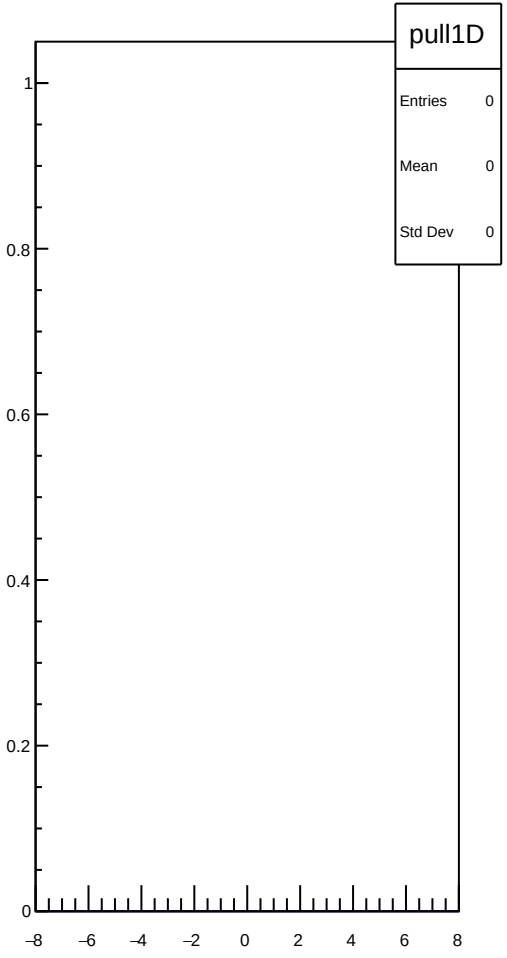

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0.2
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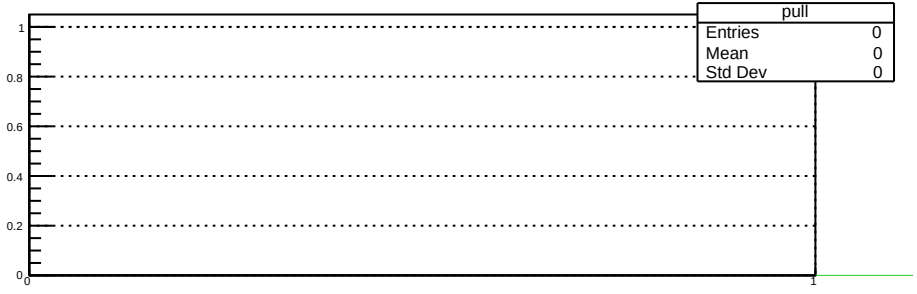

pull1D
Entries 0
Mean 0
Std Dev 0
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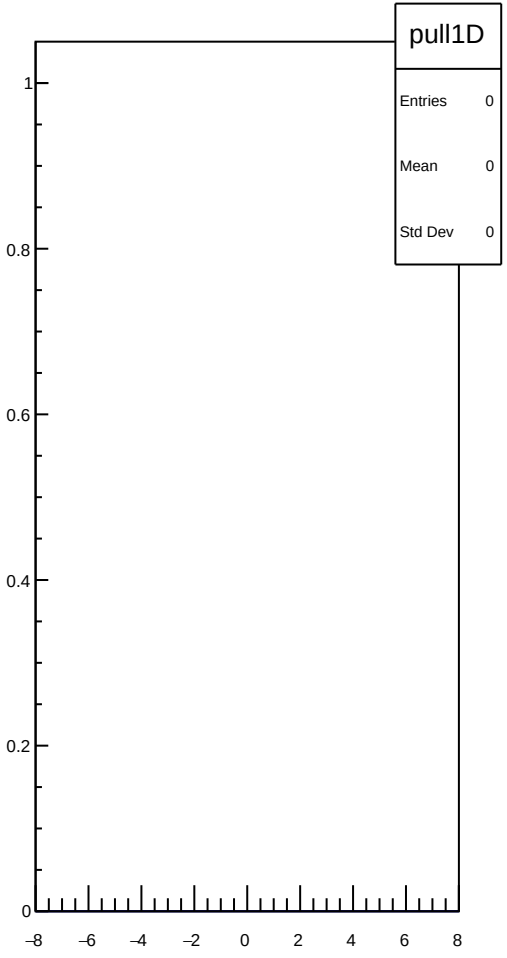

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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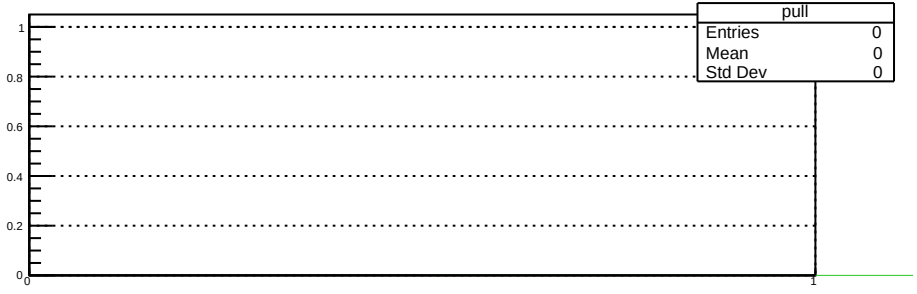

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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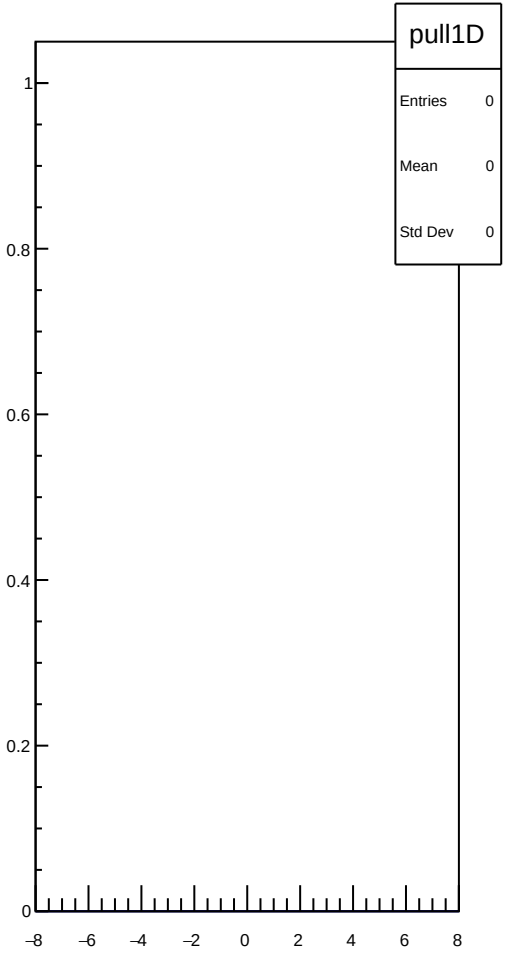

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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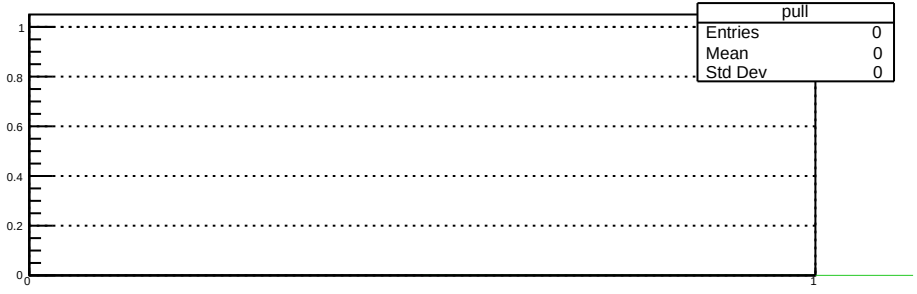

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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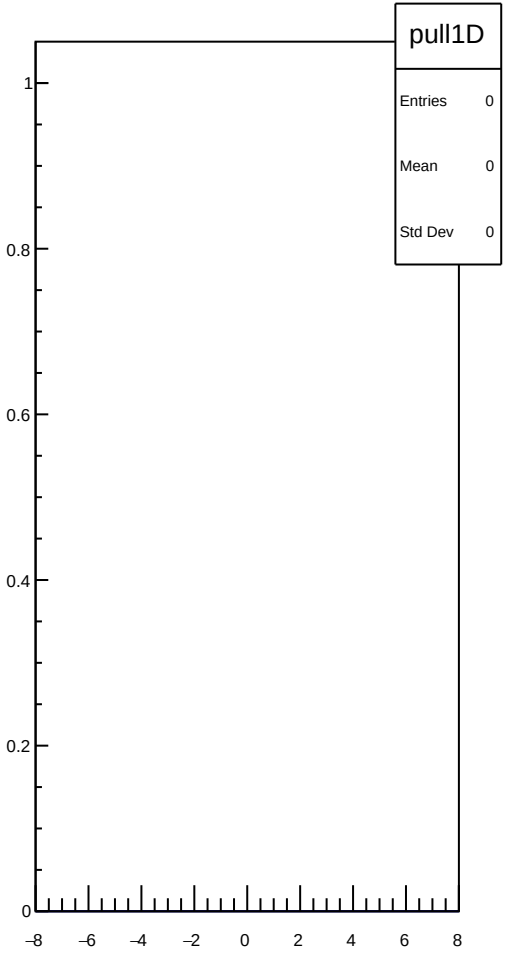

pull
Entries 0
Mean 0
Std Dev 0
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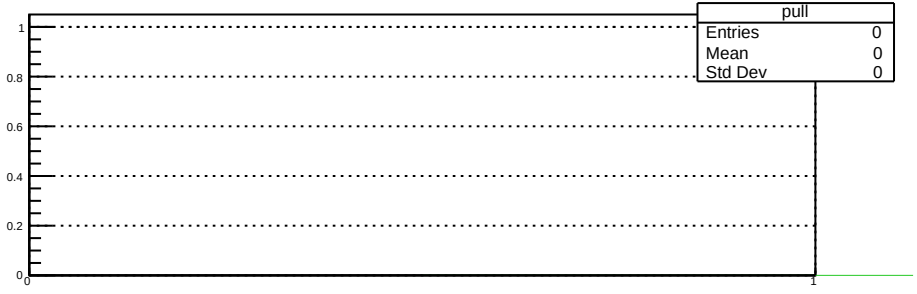

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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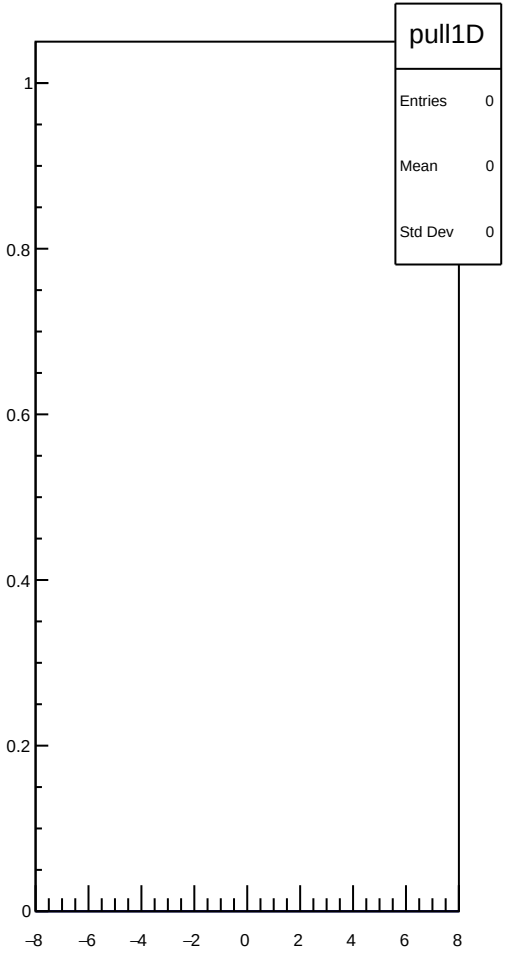

pull
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Mean 0
Std Dev 0
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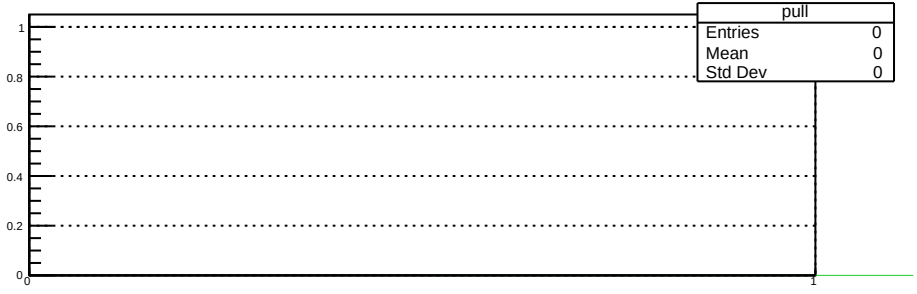

pull1D
Entries 0
Mean 0
Std Dev 0
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–4
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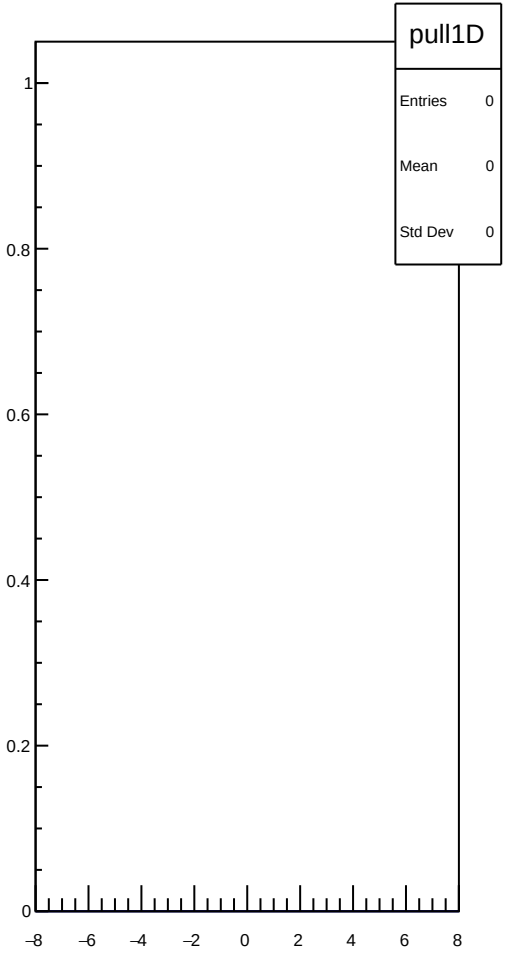

pull
Entries 0
Mean 0
Std Dev 0
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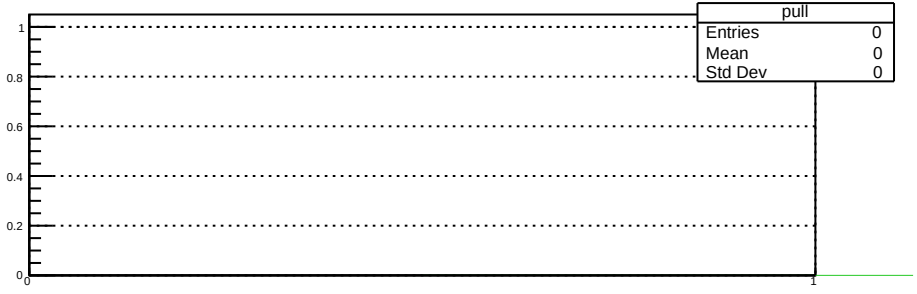

pull1D
Entries 0
Mean 0
Std Dev 0
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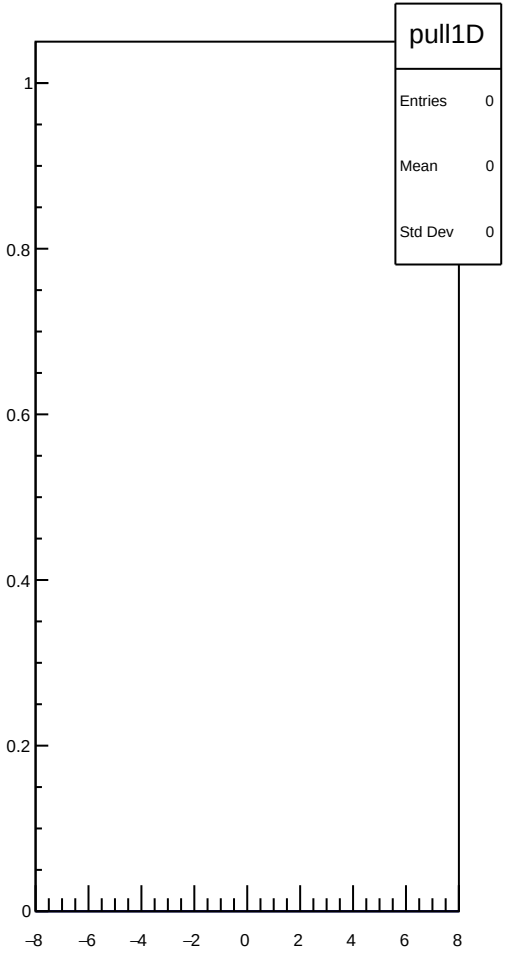

pull
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Mean 0
Std Dev 0
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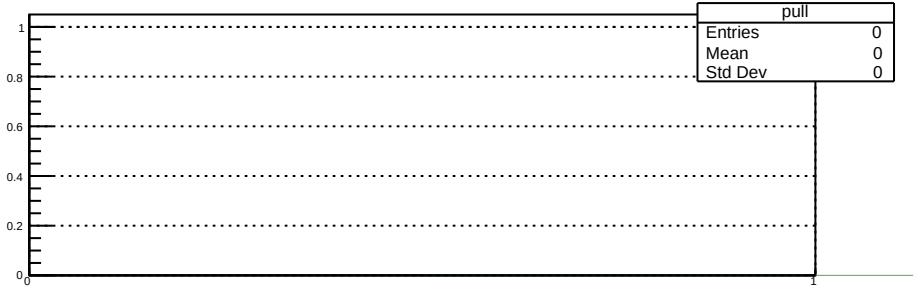

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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–8
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–4
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6
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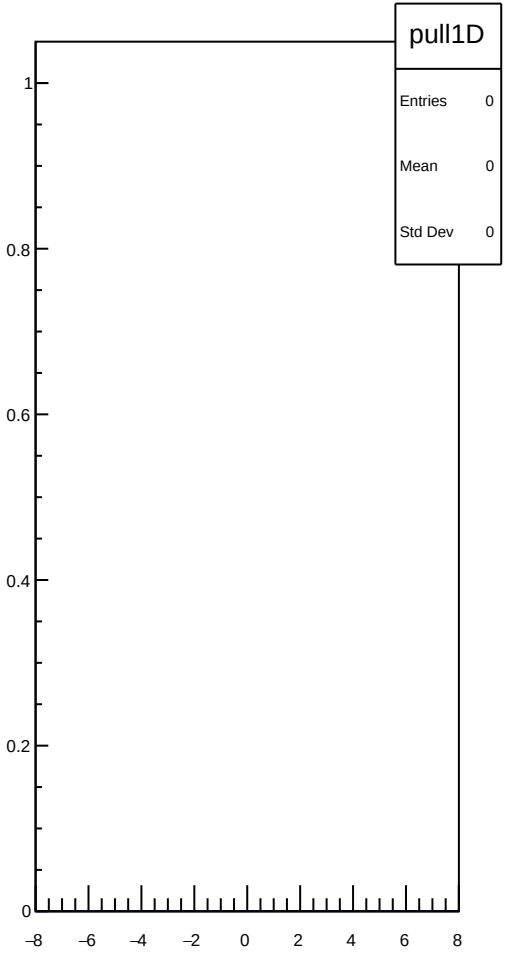

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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1

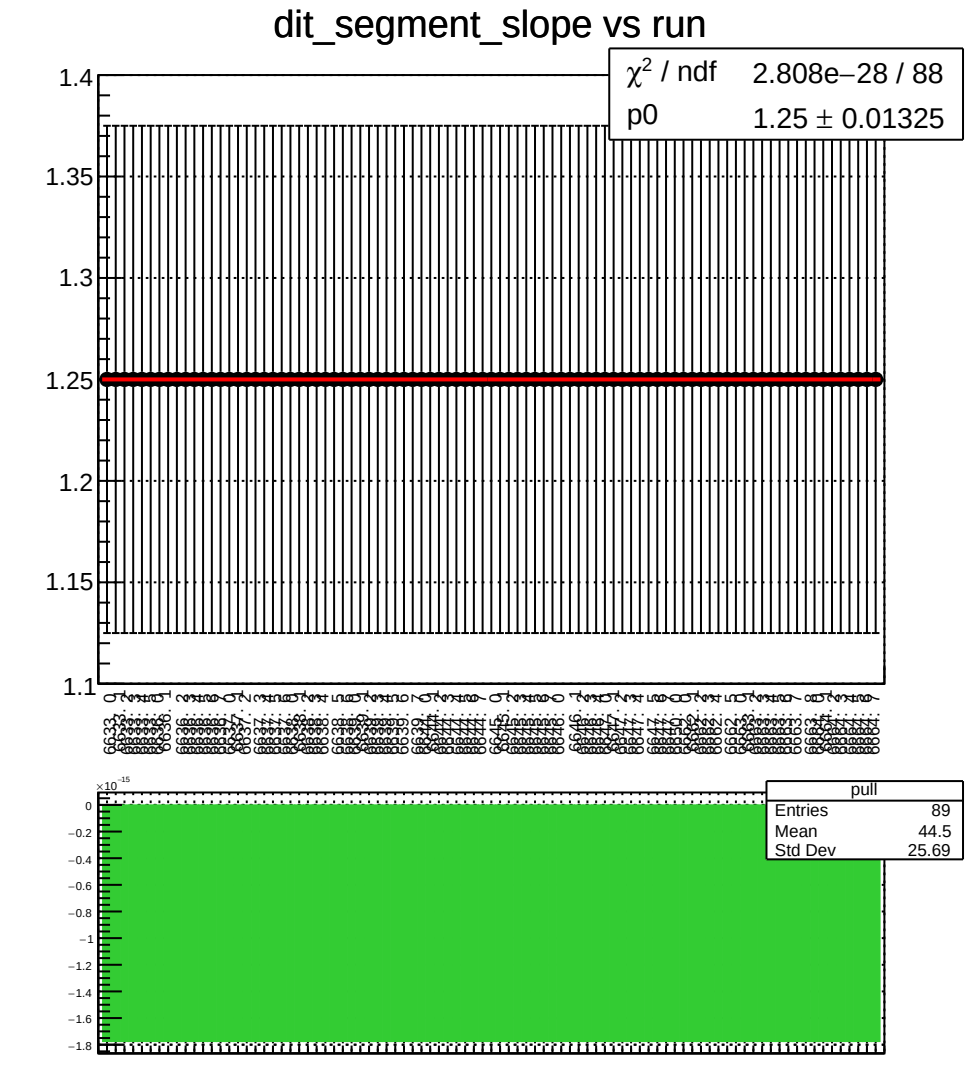

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.4
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–4
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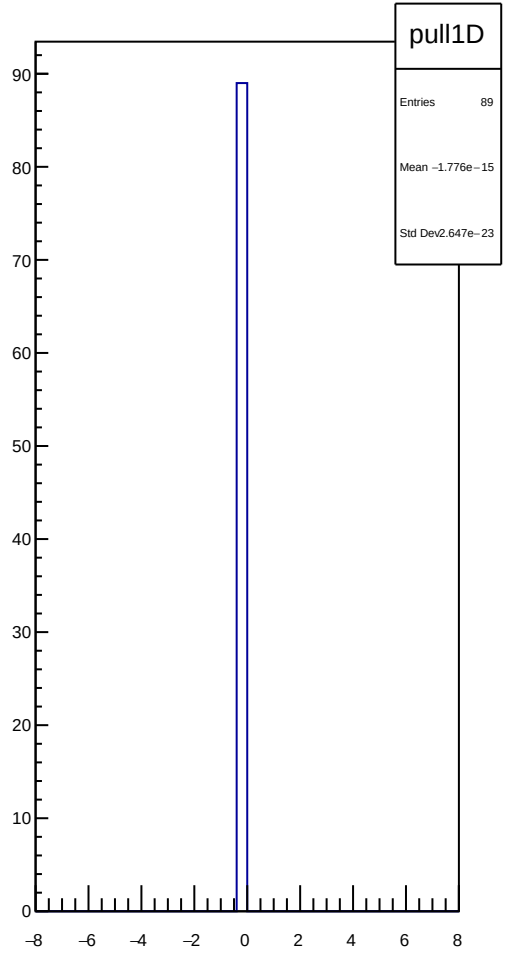

pull
Entries 0
Mean 0
Std Dev 0
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0.4
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0
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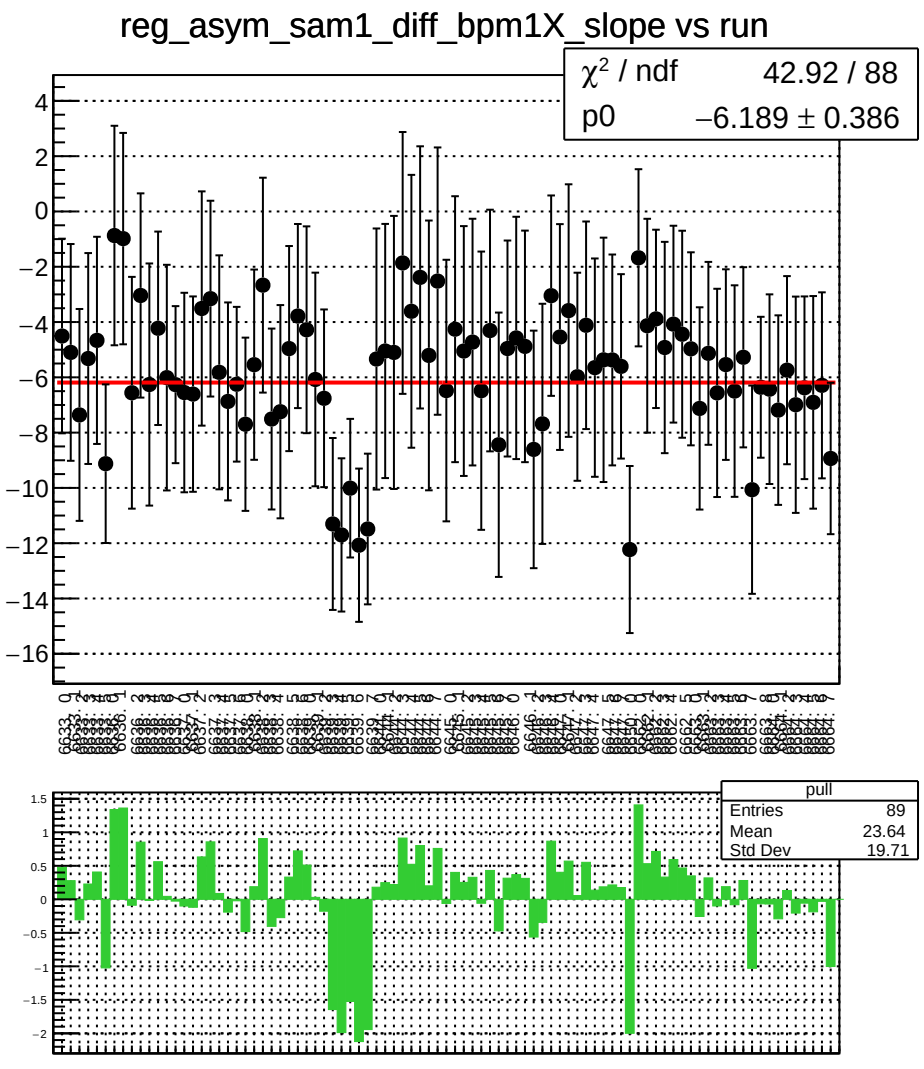

pull1D
Entries 0
Mean 0
Std Dev 0
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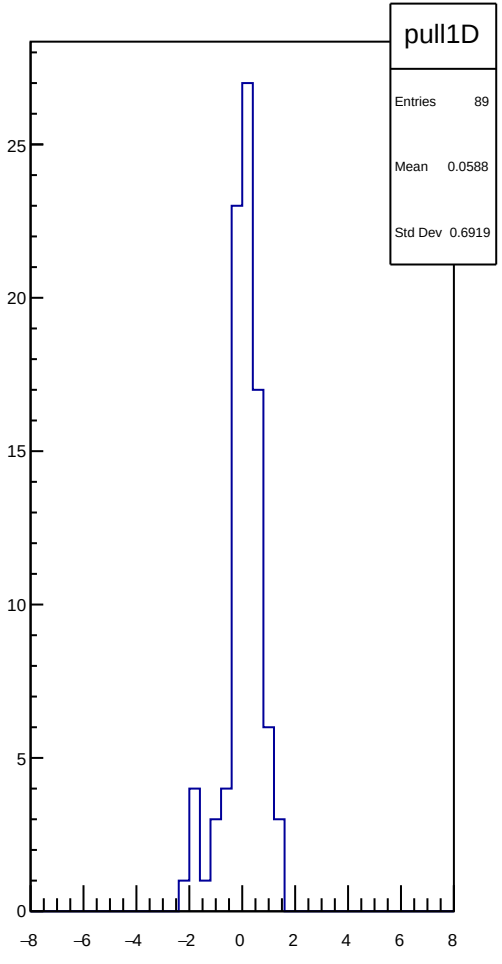

pull
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Mean 0
Std Dev 0
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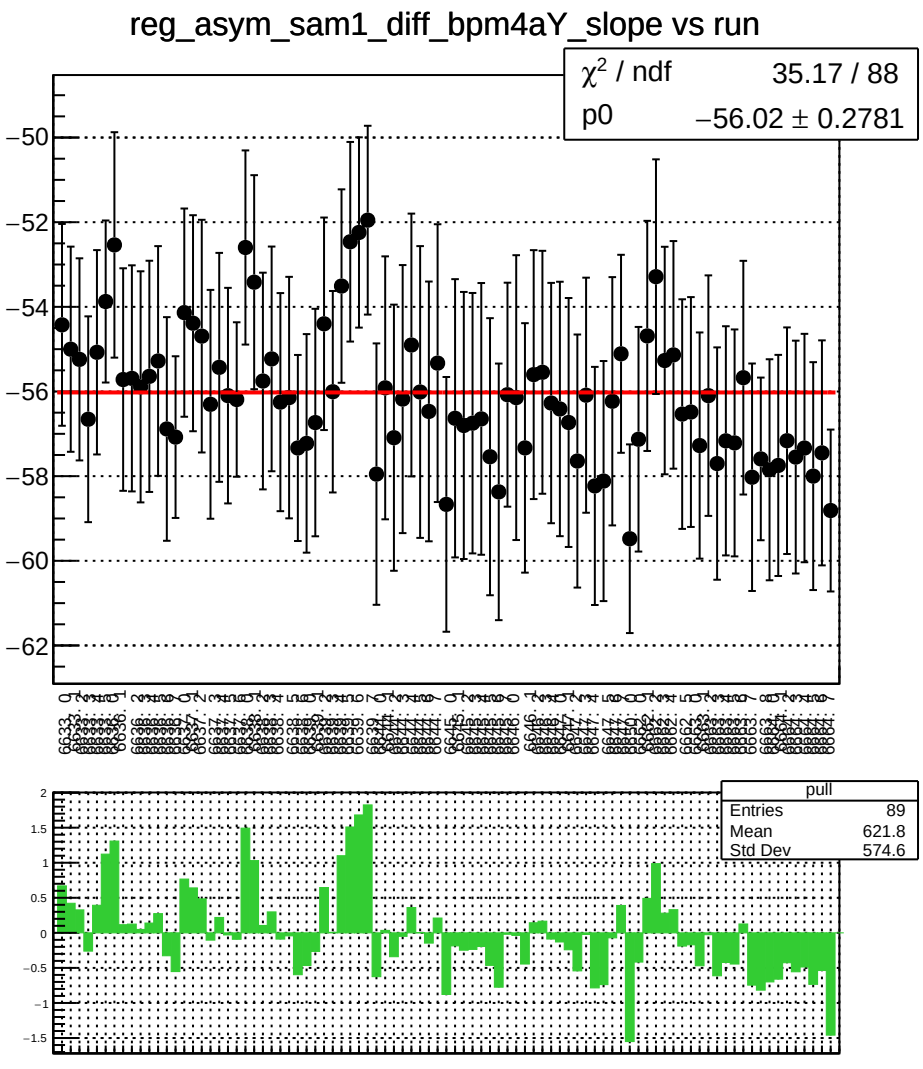

pull1D
Entries 0
Mean 0
Std Dev 0
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6
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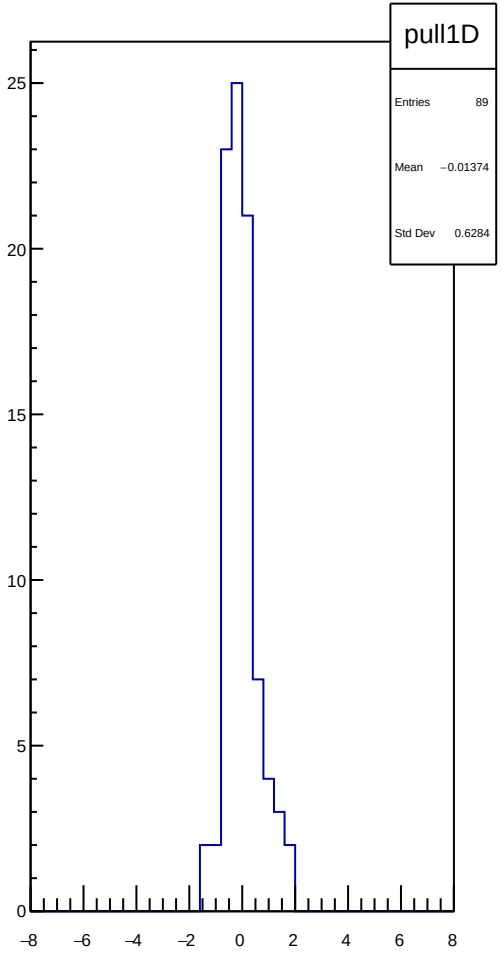

dit_segment_slope vs run
χ² / ndf 2.808e−28 / 88
p0 1.25 ± 0.01325
1.4
1.35
1.3
1.25
1.2
1.15
1.1
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8

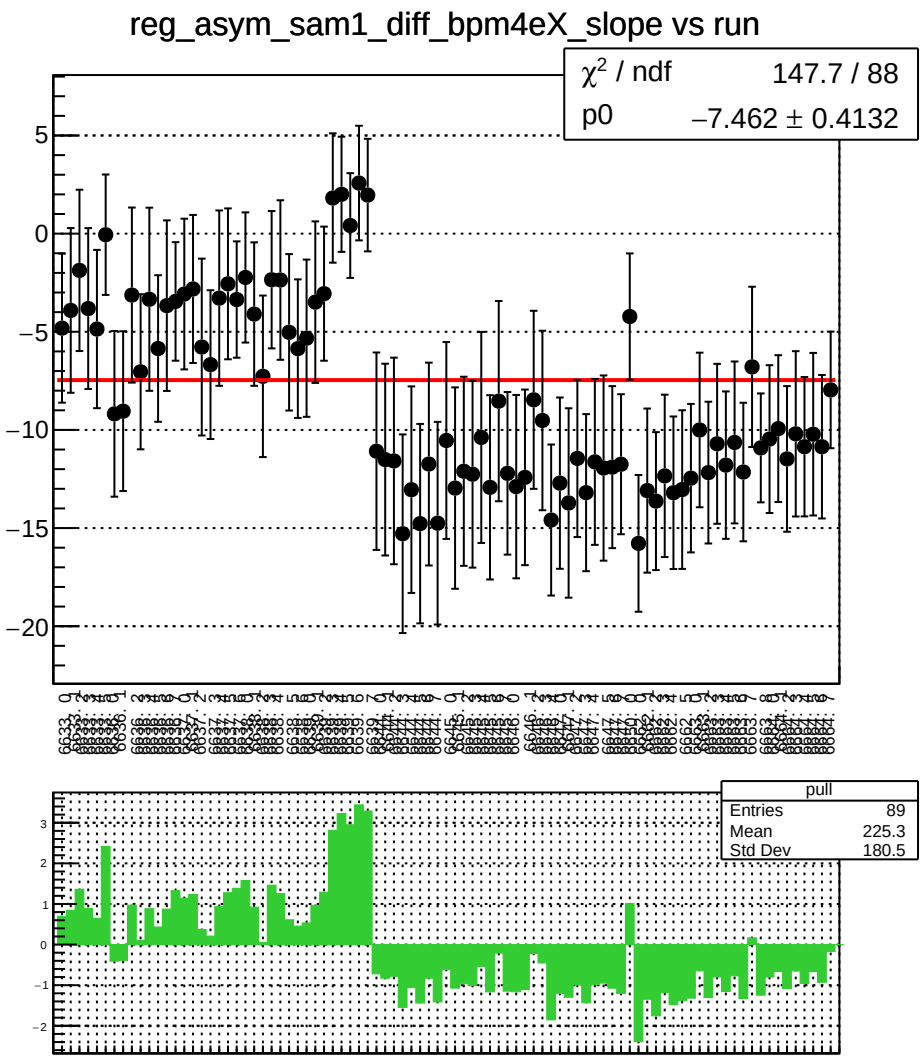

pull1D
Entries 89
Mean −1.776e−15
Std Dev 2.647e−23
90
80
70
60
50
40
30
20
10
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−8
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−4
−2
0
2
4
6
8

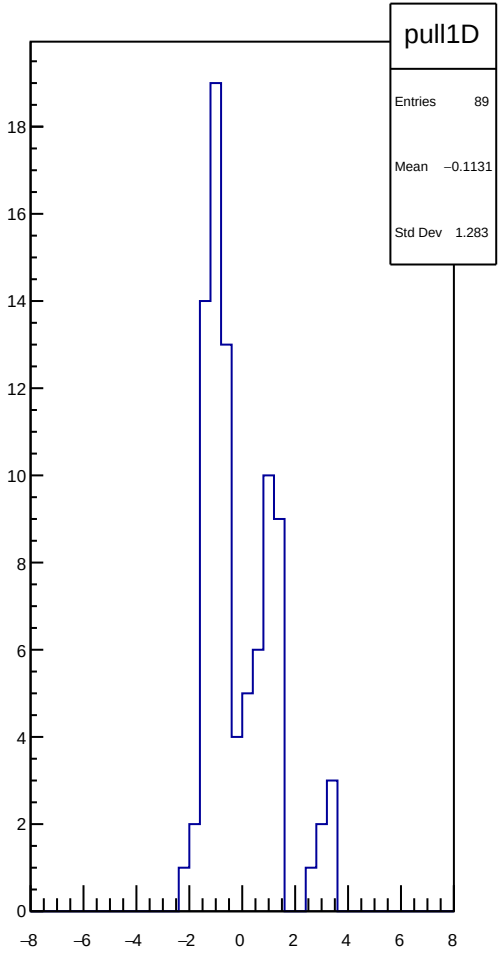

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 42.92 / 88
p0 −6.189 ± 0.386
pull
Entries 89
Mean 23.64
Std Dev 19.71

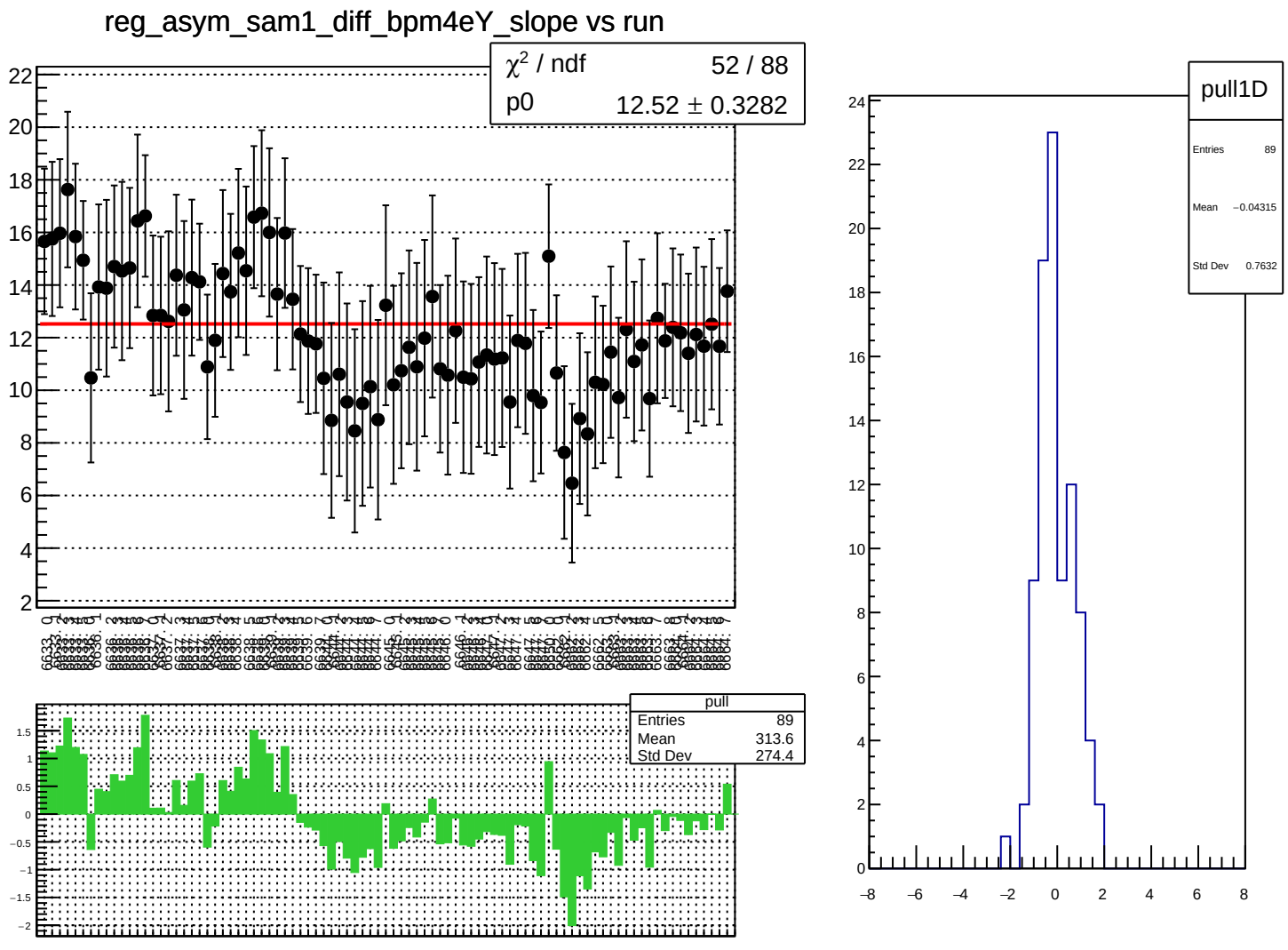

pull1D
Entries 89
Mean 0.0588
Std Dev 0.6919

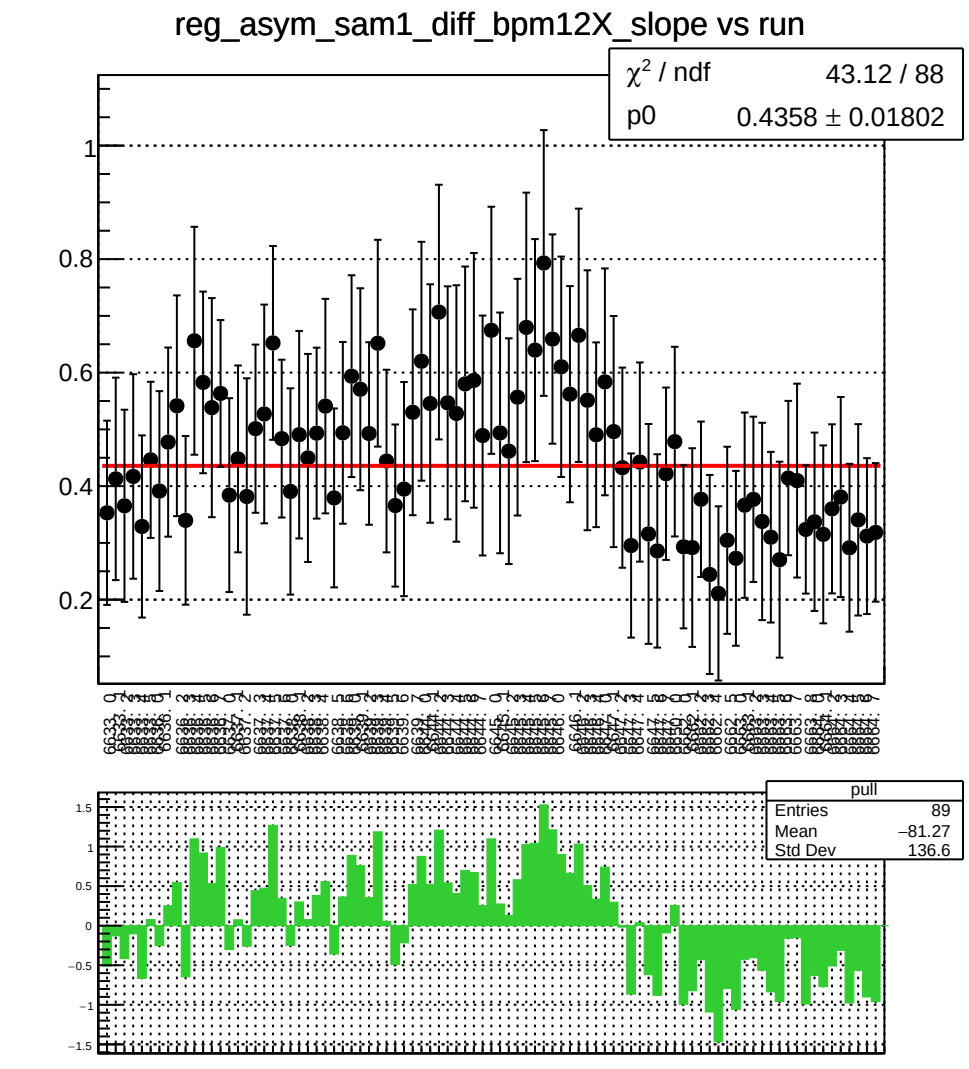

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 35.17 / 88
p0 −56.02 ± 0.2781
pull
Entries 89
Mean 621.8
Std Dev 574.6

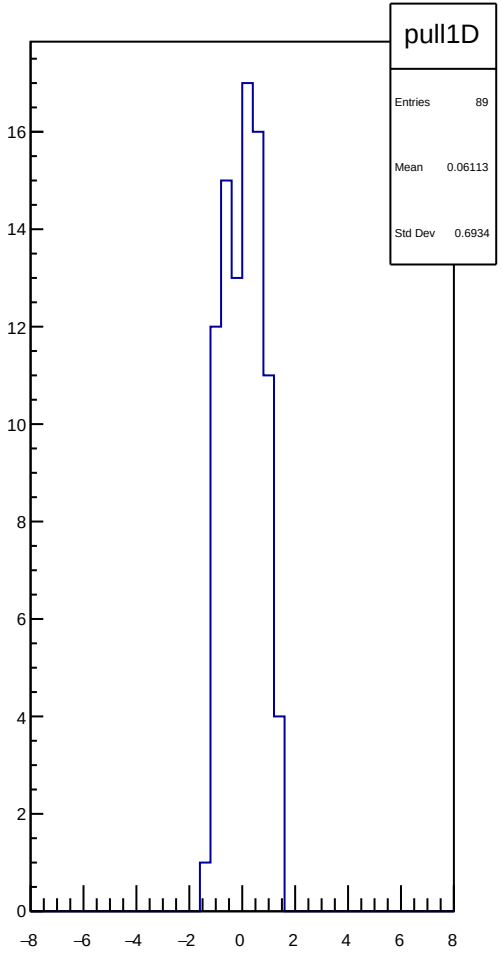

pull1D
Entries 89
Mean −0.01374
Std Dev 0.6284

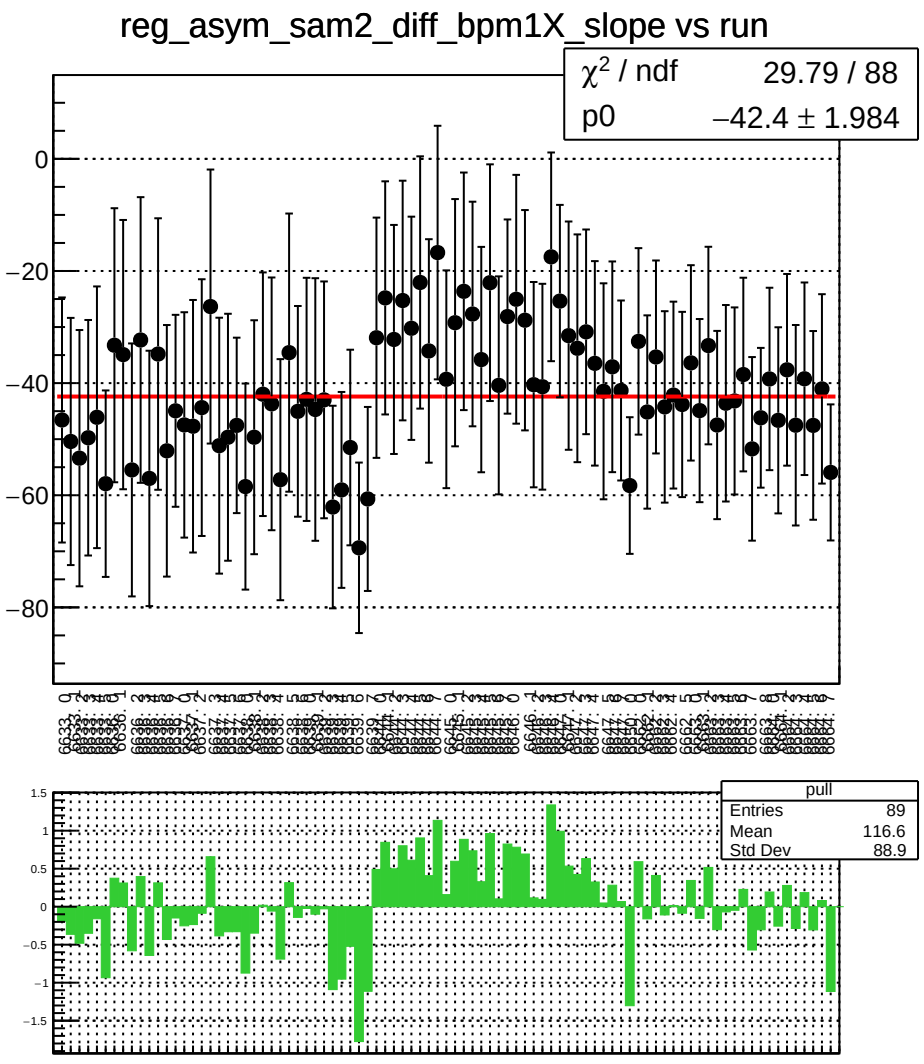

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 147.7 / 88
p0 −7.462 ± 0.4132
pull
Entries 89
Mean 225.3
Std Dev 180.5

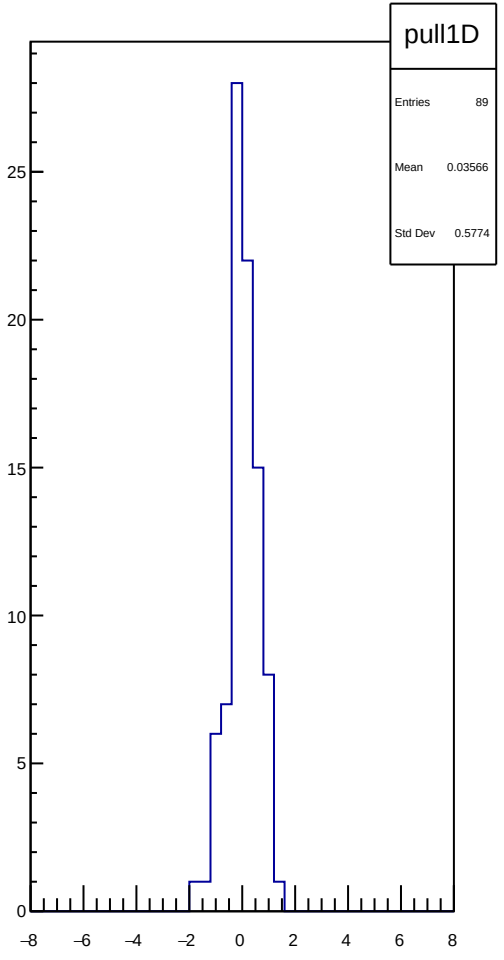

pull1D
Entries 89
Mean −0.1131
Std Dev 1.283

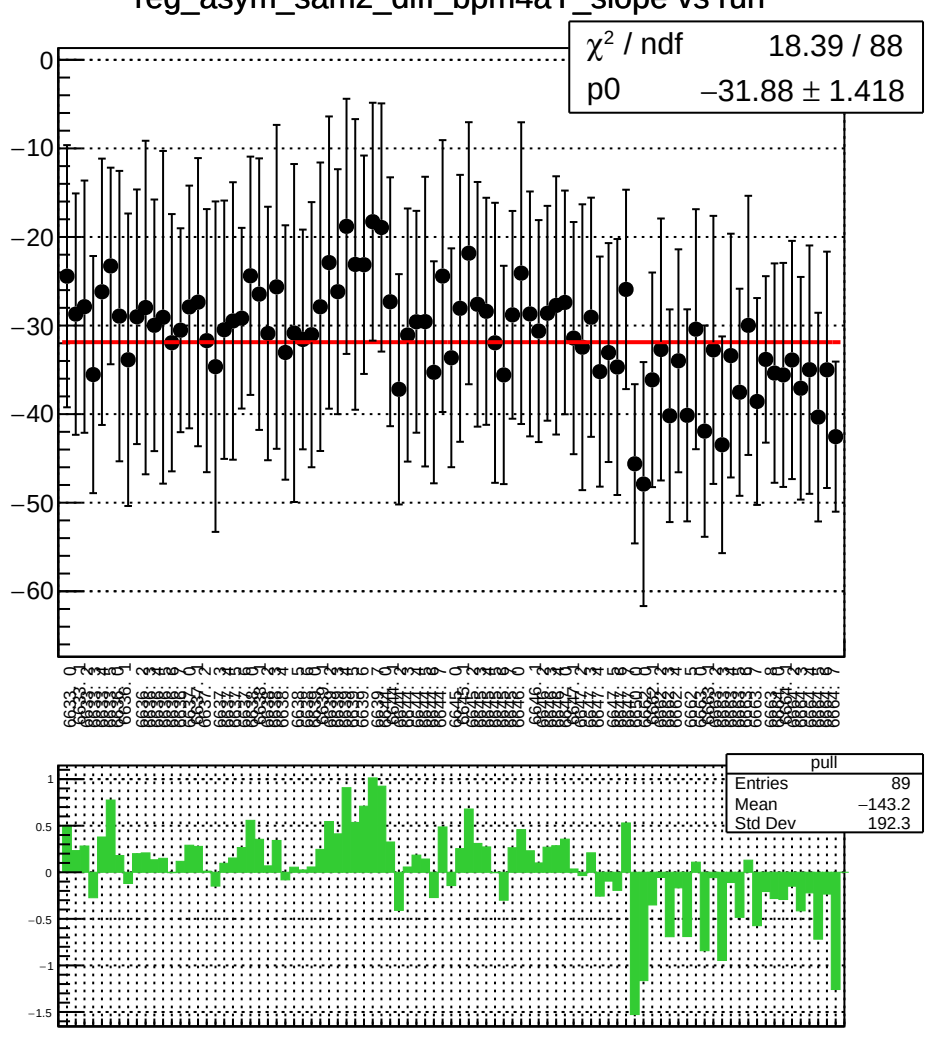

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 52 / 88
p0 12.52 ± 0.3282
pull
Entries 89
Mean 313.6
Std Dev 274.4
pull1D
Entries 89
Mean −0.04315
Std Dev 0.7632

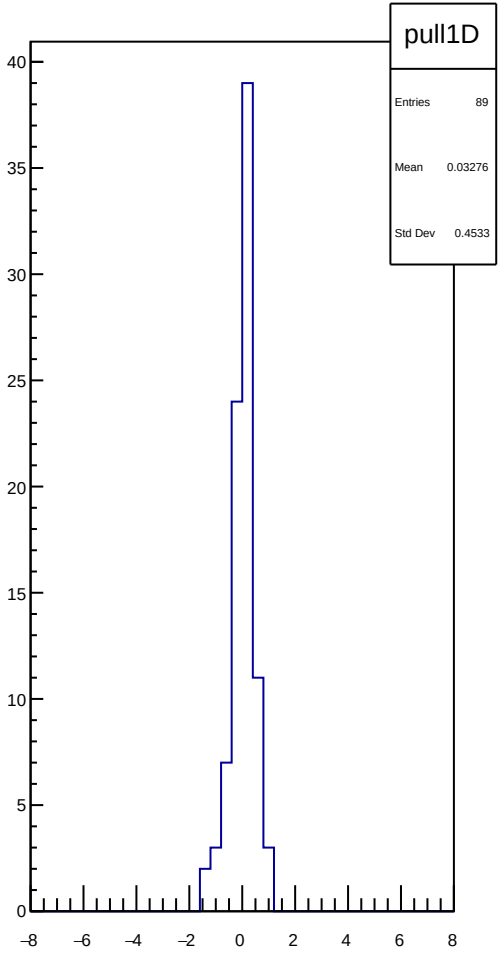

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 43.12 / 88
p0 0.4358 ± 0.01802
pull
Entries 89
Mean −81.27
Std Dev 136.6

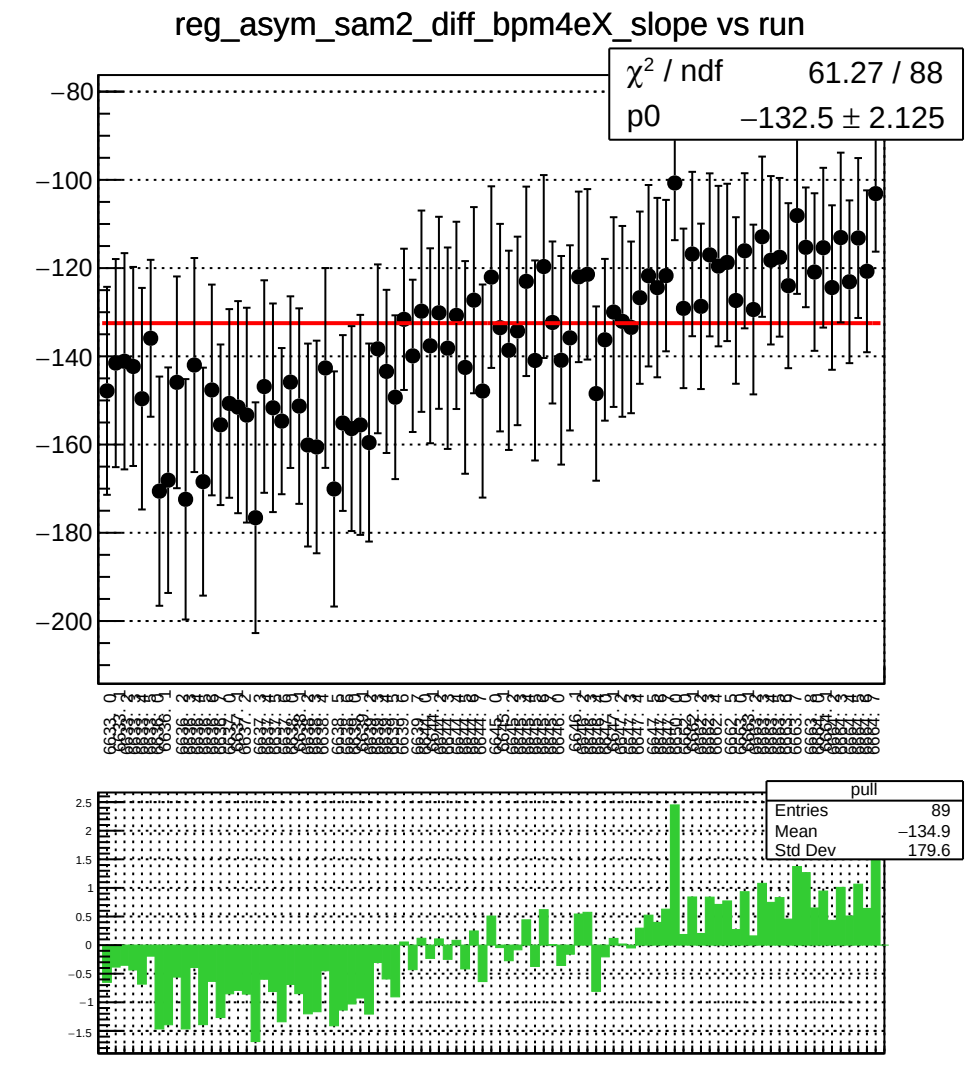

pull1D
Entries 89
Mean 0.06113
Std Dev 0.6934

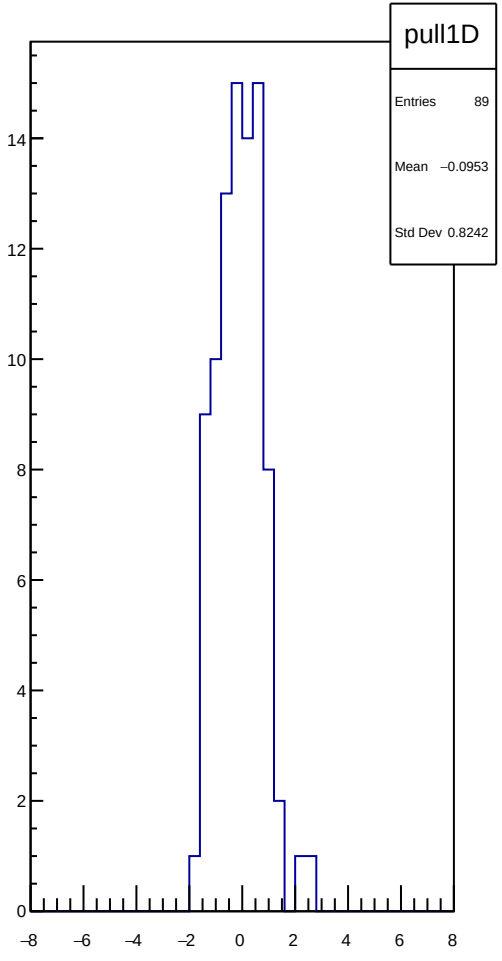

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 29.79 / 88
p0 −42.4 ± 1.984
pull
Entries 89
Mean 116.6
Std Dev 88.9

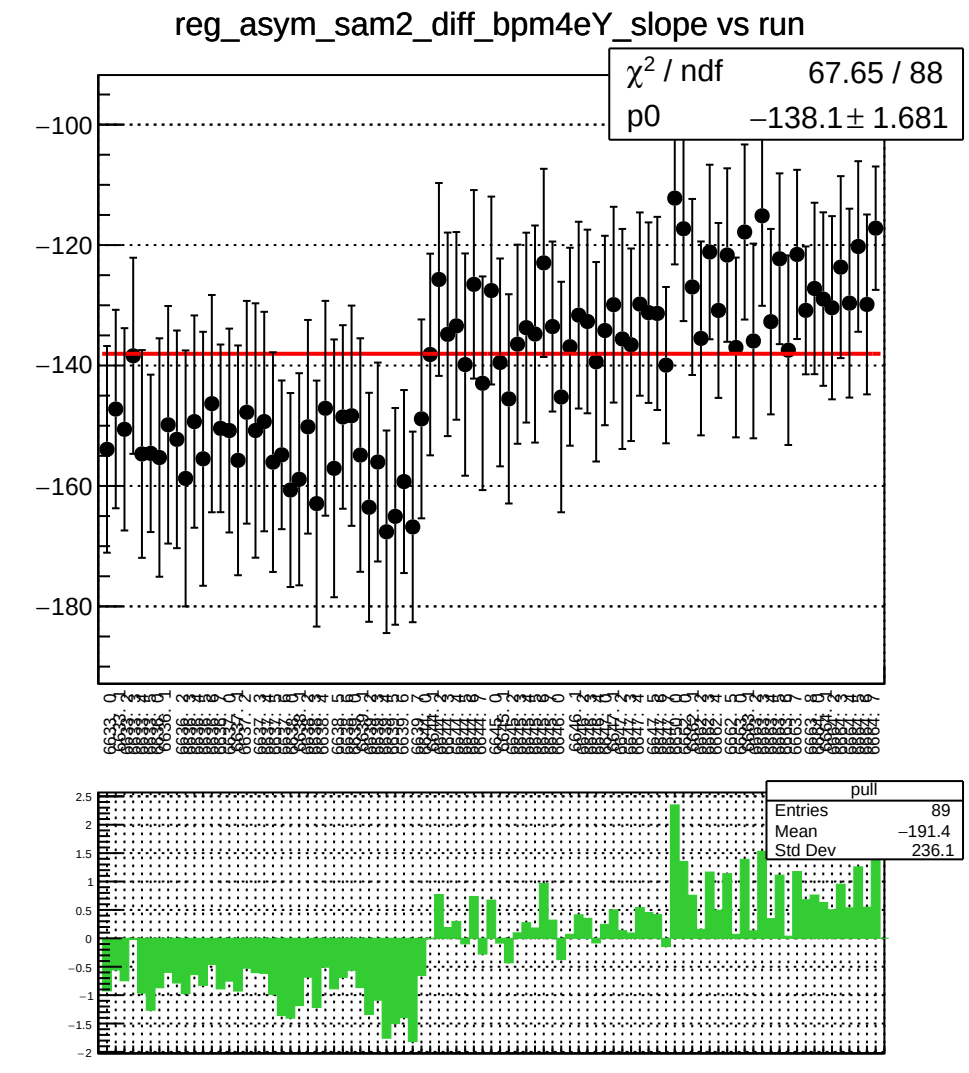

pull1D
Entries 89
Mean 0.03566
Std Dev 0.5774

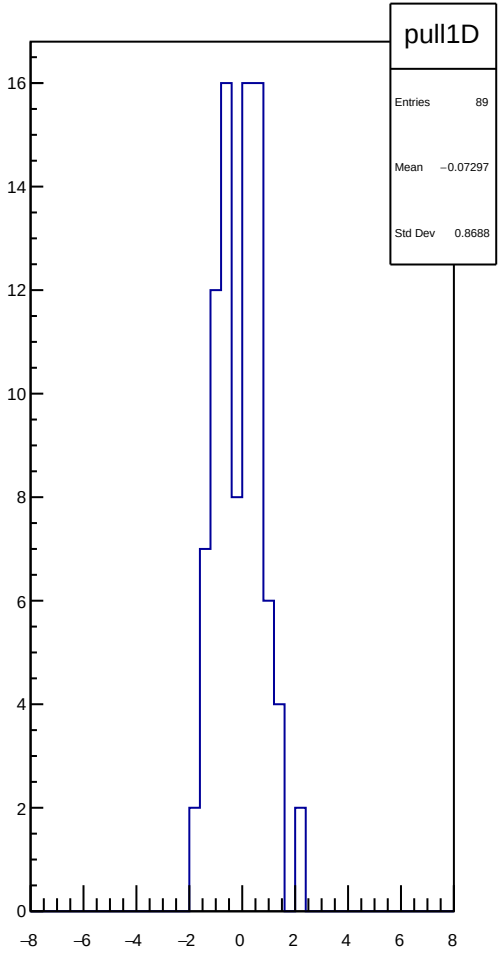

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 18.39 / 88
p0 −31.88 ± 1.418
pull
Entries 89
Mean −143.2
Std Dev 192.3

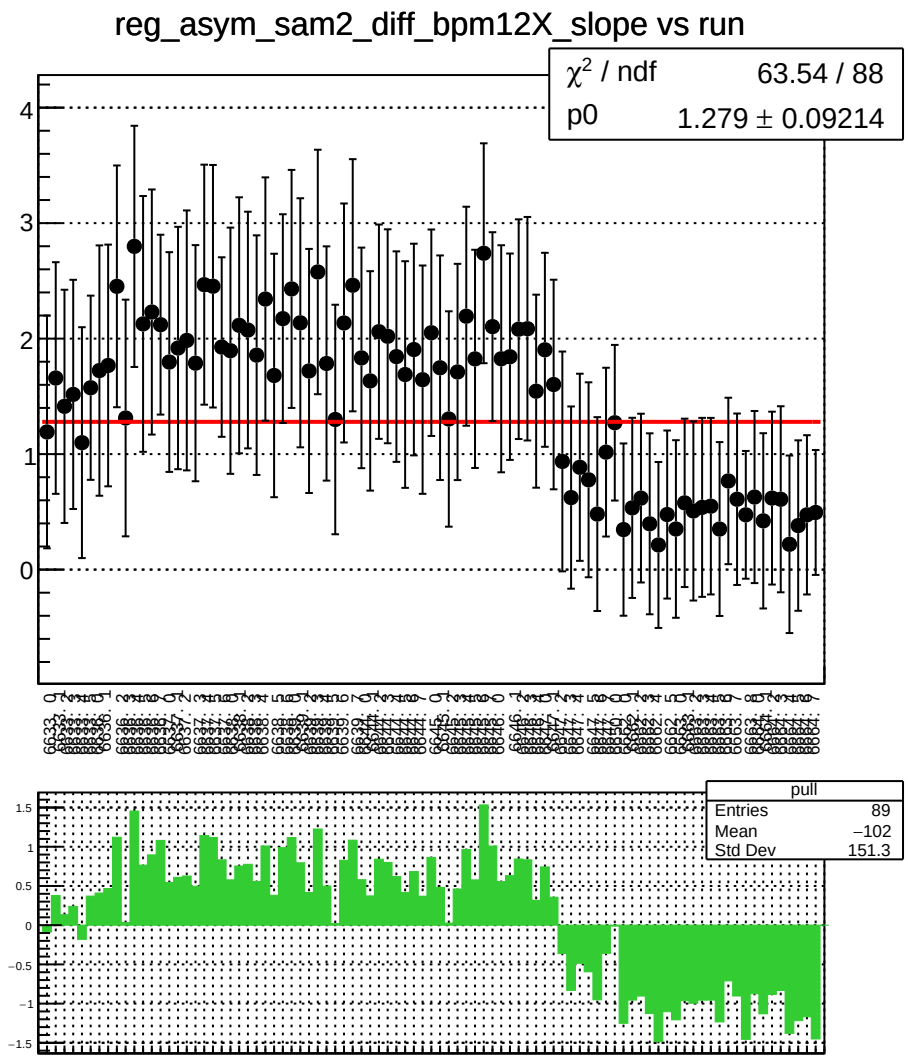

pull1D
Entries 89
Mean 0.03276
Std Dev 0.4533

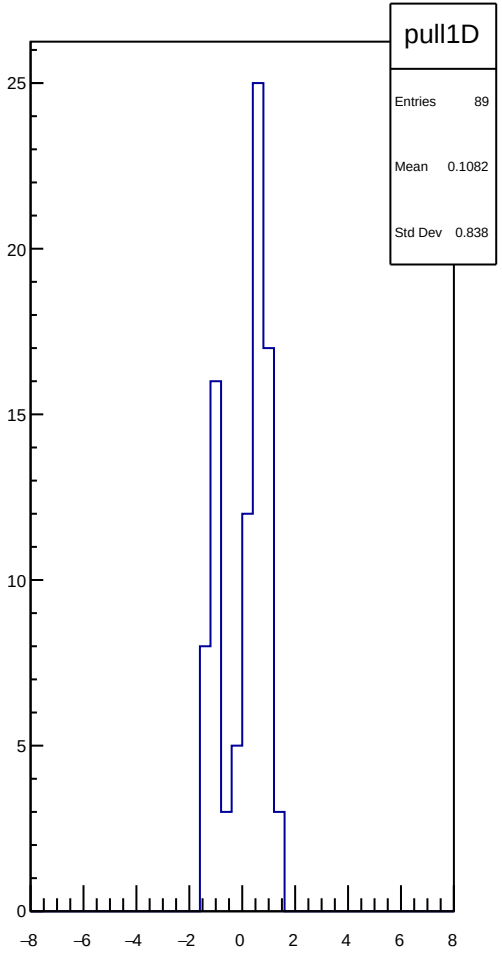

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 61.27 / 88
p0 −132.5 ± 2.125
pull
Entries 89
Mean −134.9
Std Dev 179.6

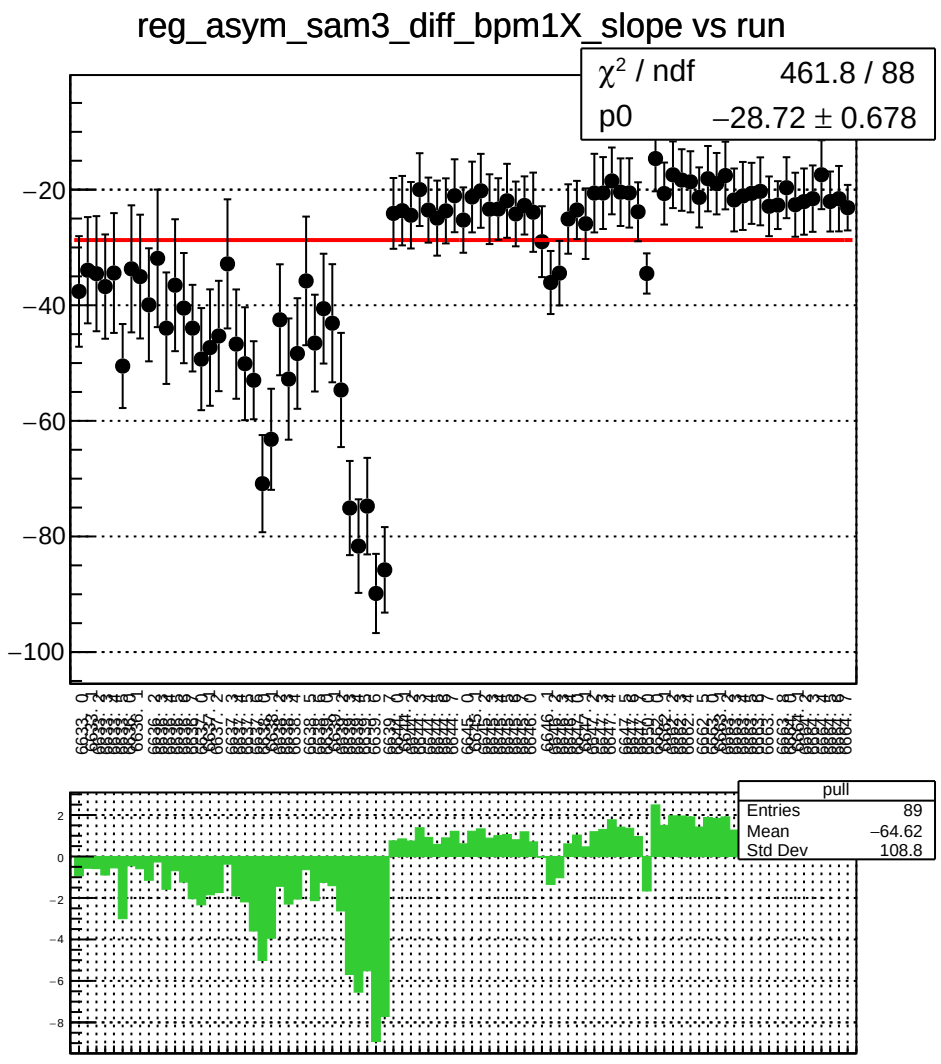

pull1D
Entries 89
Mean −0.0953
Std Dev 0.8242

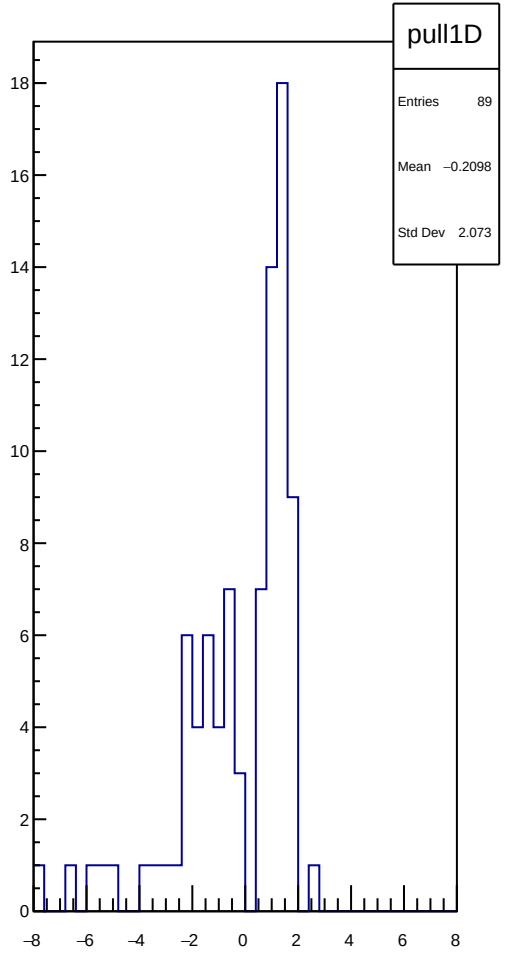

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 67.65 / 88
p0 −138.1 ± 1.681
−100
−120
−140
−160
−180
pull
Entries 89
Mean −191.4
Std Dev 236.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

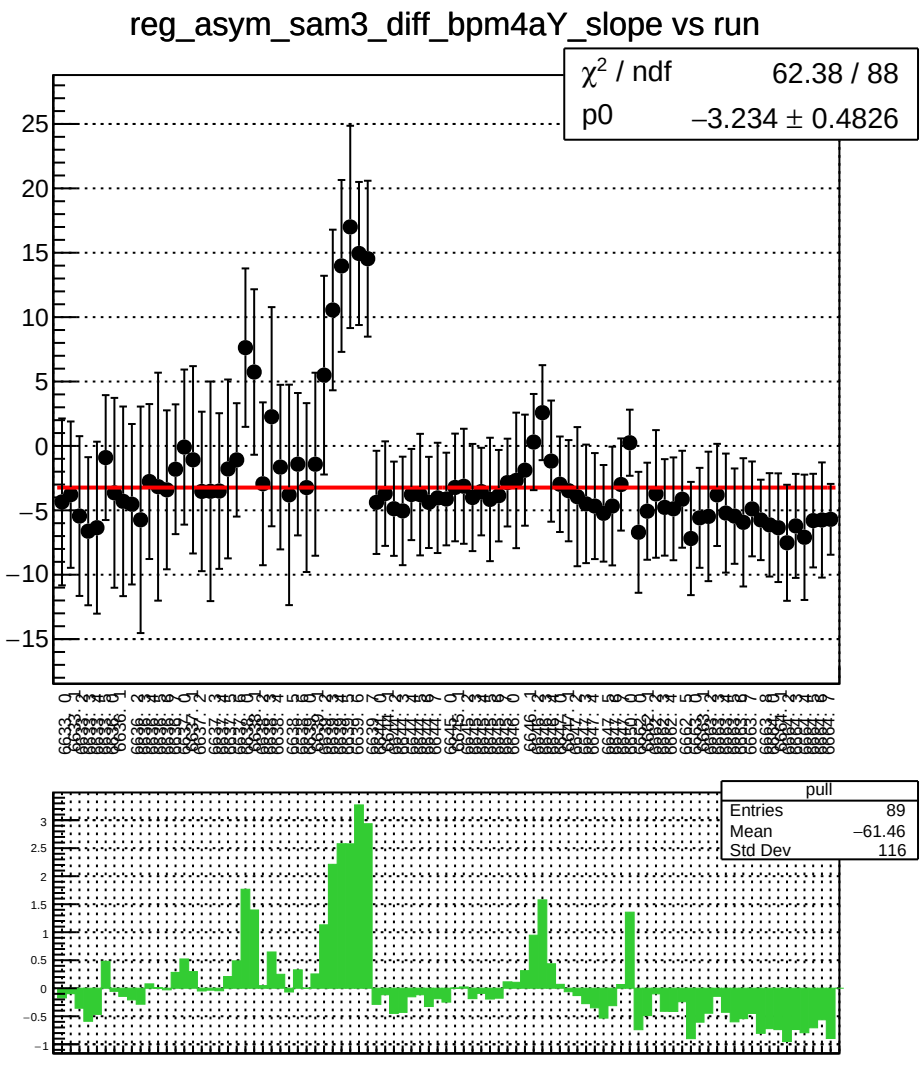

pull1D
Entries 89
Mean −0.07297
Std Dev 0.8688
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

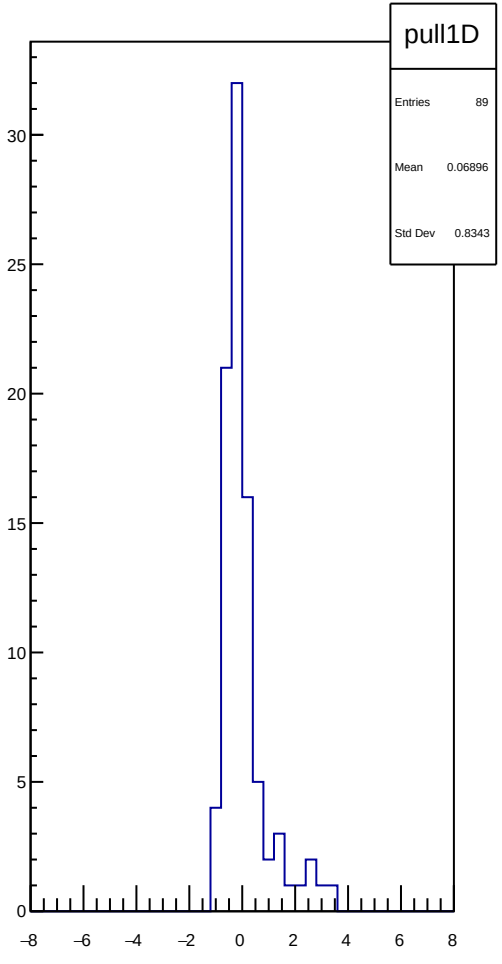

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 63.54 / 88
p0 1.279 ± 0.09214
pull
Entries 89
Mean −102
Std Dev 151.3

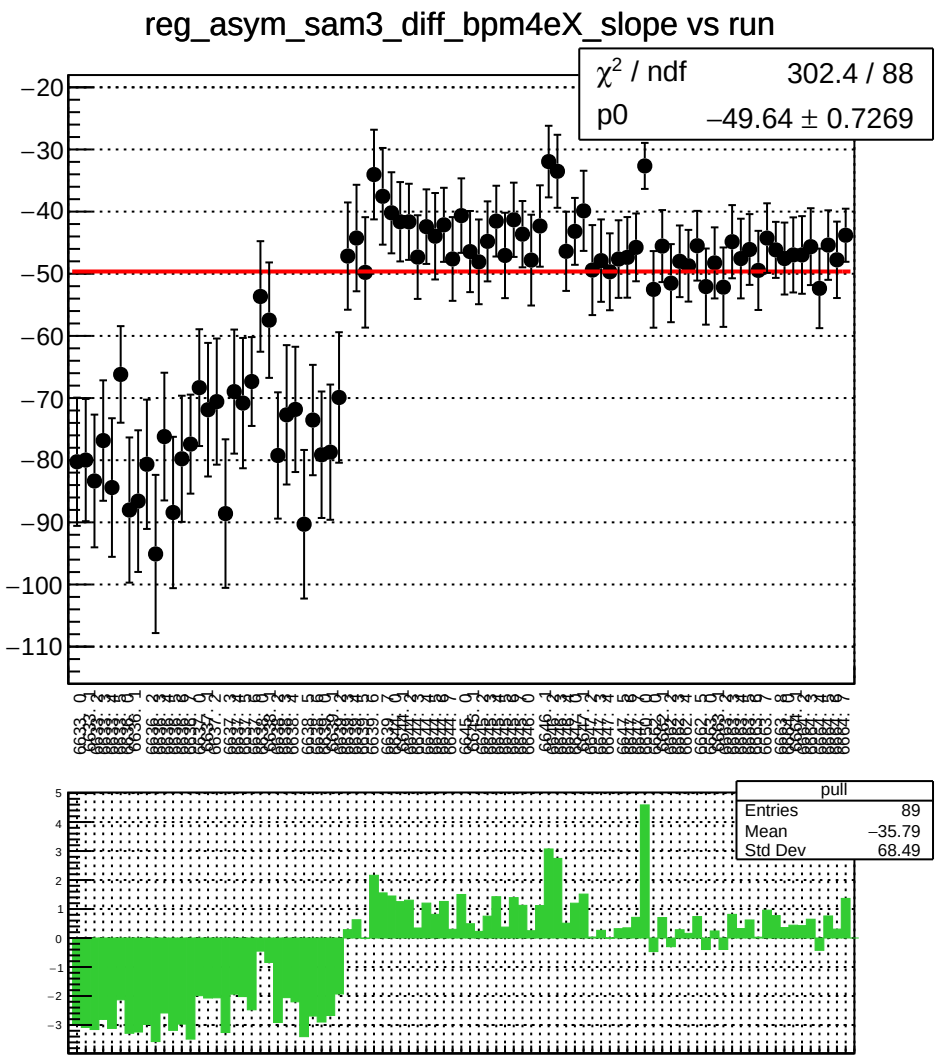

pull1D
Entries 89
Mean 0.1082
Std Dev 0.838

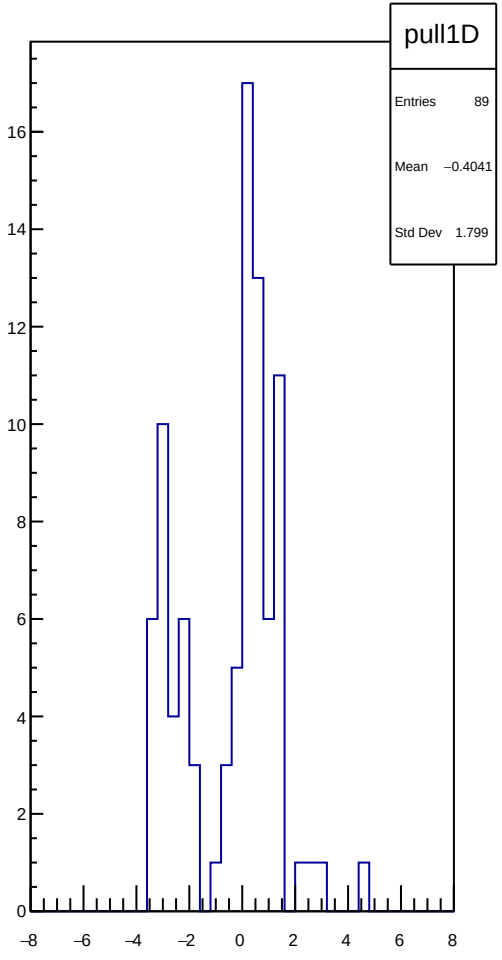

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 461.8 / 88
p0 −28.72 ± 0.678
−20
−40
−60
−80
−100
pull
Entries 89
Mean −64.62
Std Dev 108.8
2
0
−2
−4
−6
−8

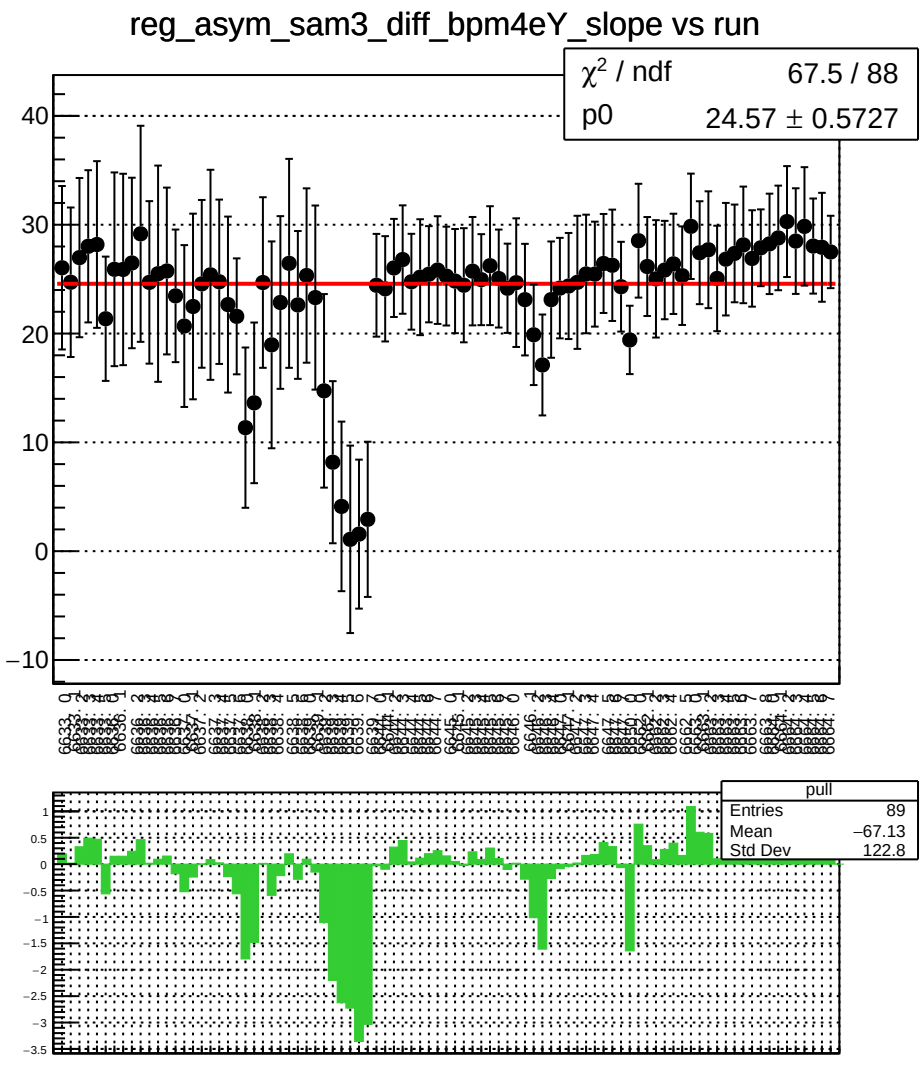

pull1D
Entries 89
Mean −0.2098
Std Dev 2.073
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

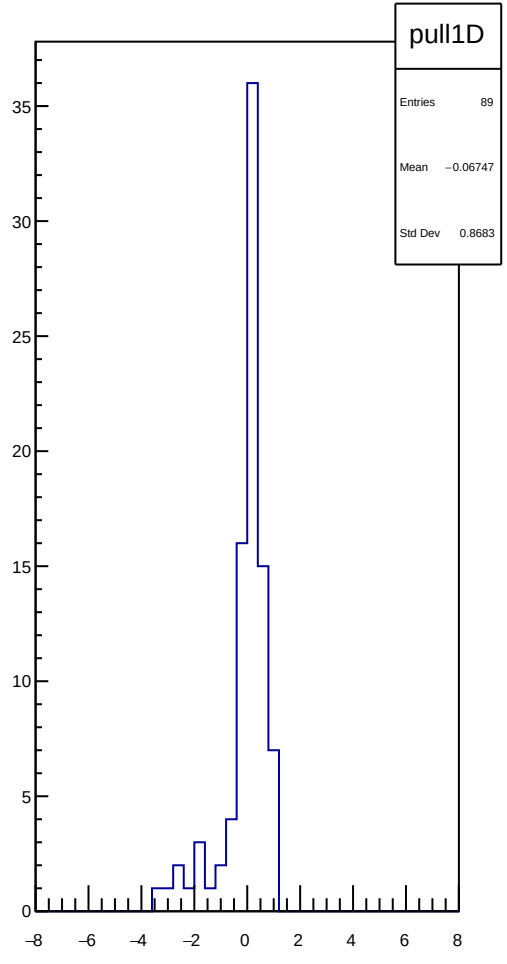

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 62.38 / 88
p0 −3.234 ± 0.4826
pull
Entries 89
Mean −61.46
Std Dev 116

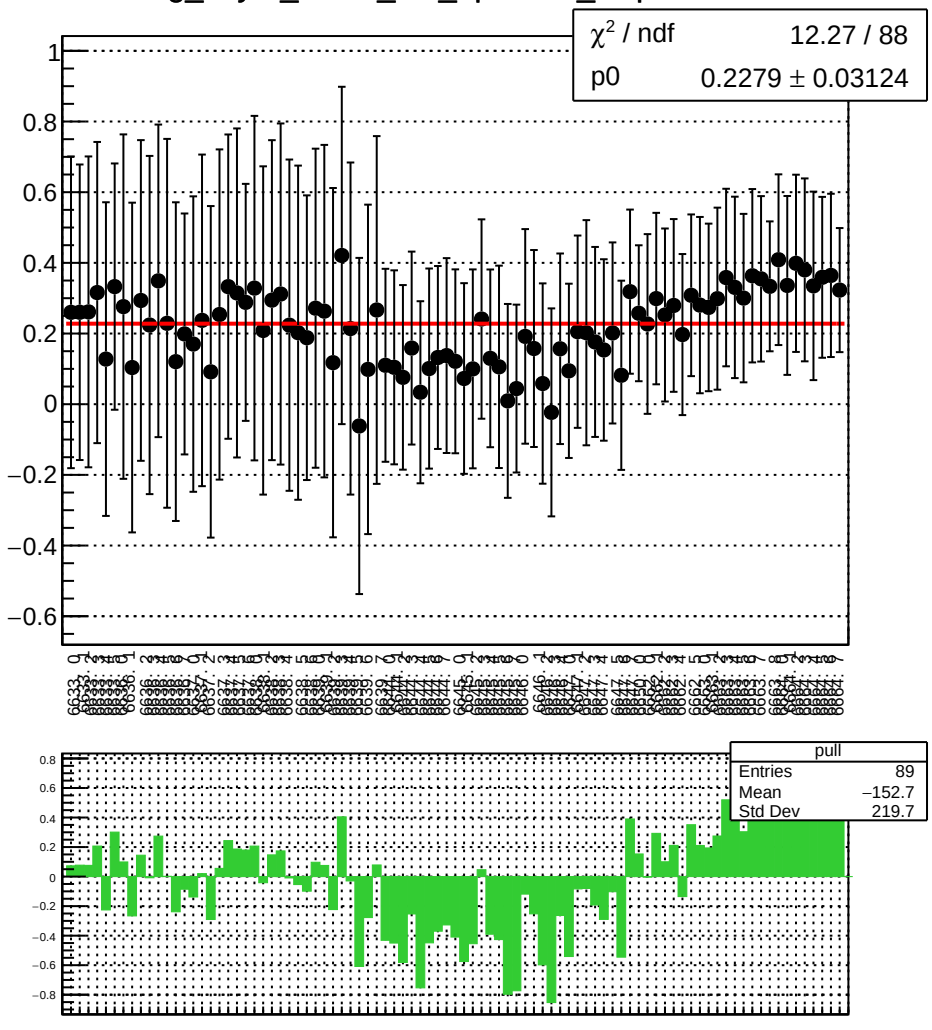

pull1D
Entries 89
Mean 0.06896
Std Dev 0.8343

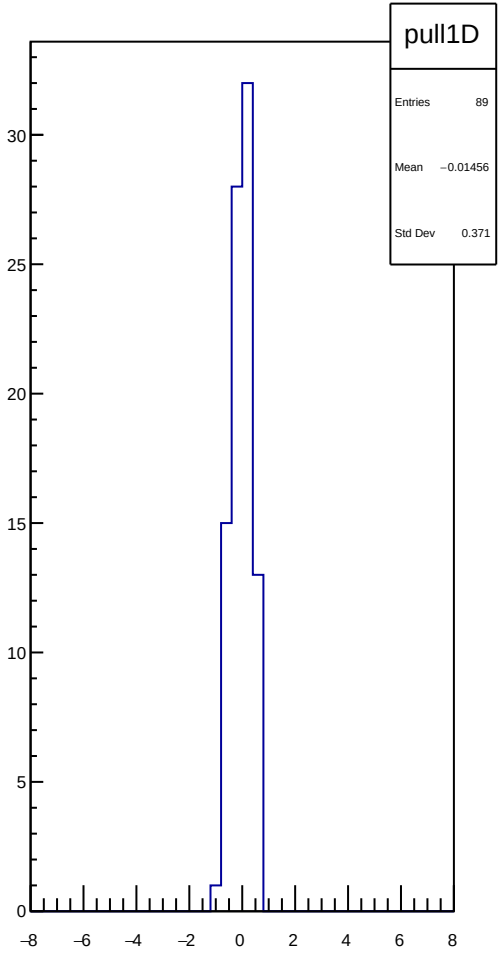

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 302.4 / 88
p0 −49.64 ± 0.7269
pull
Entries 89
Mean −35.79
Std Dev 68.49

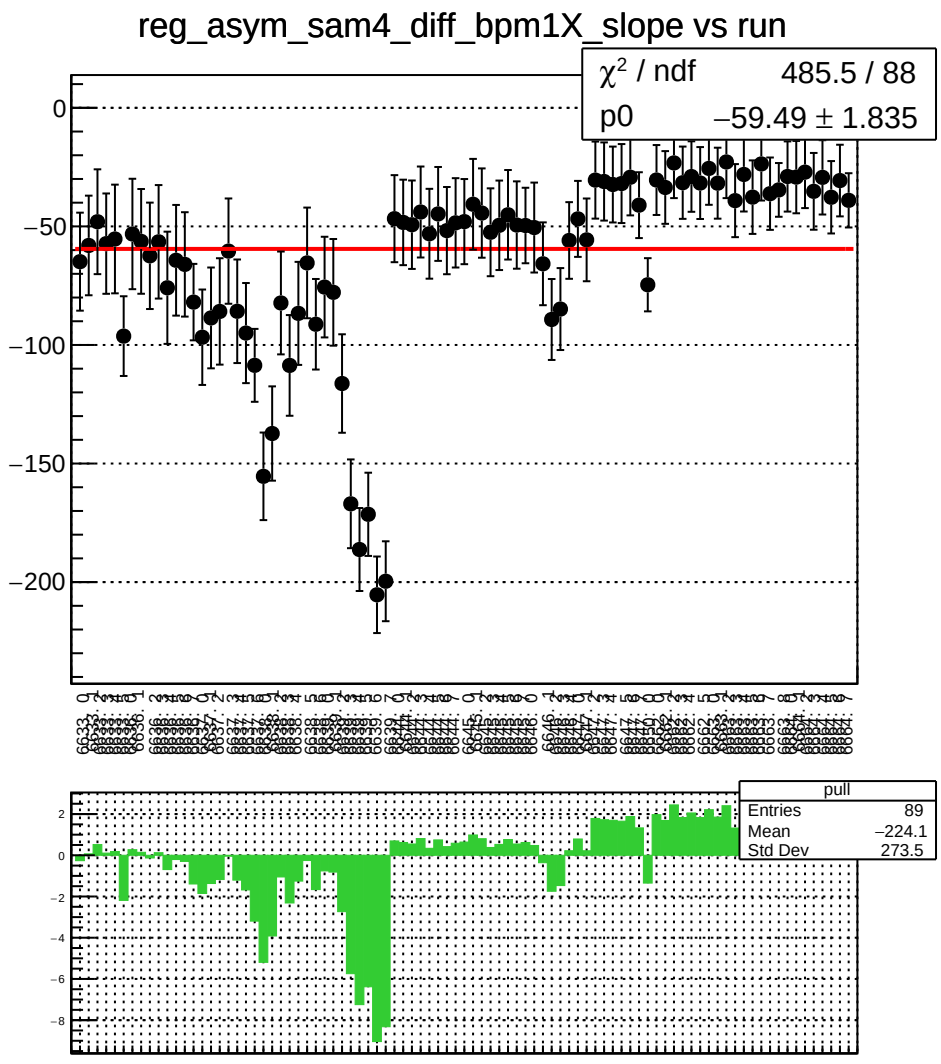

pull1D
Entries 89
Mean −0.4041
Std Dev 1.799

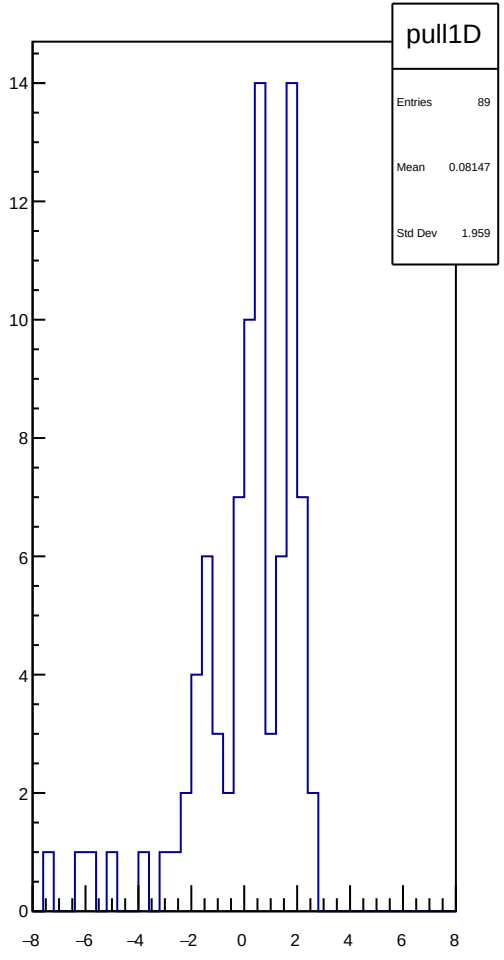

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 67.5 / 88
p0 24.57 ± 0.5727
pull
Entries 89
Mean −67.13
Std Dev 122.8

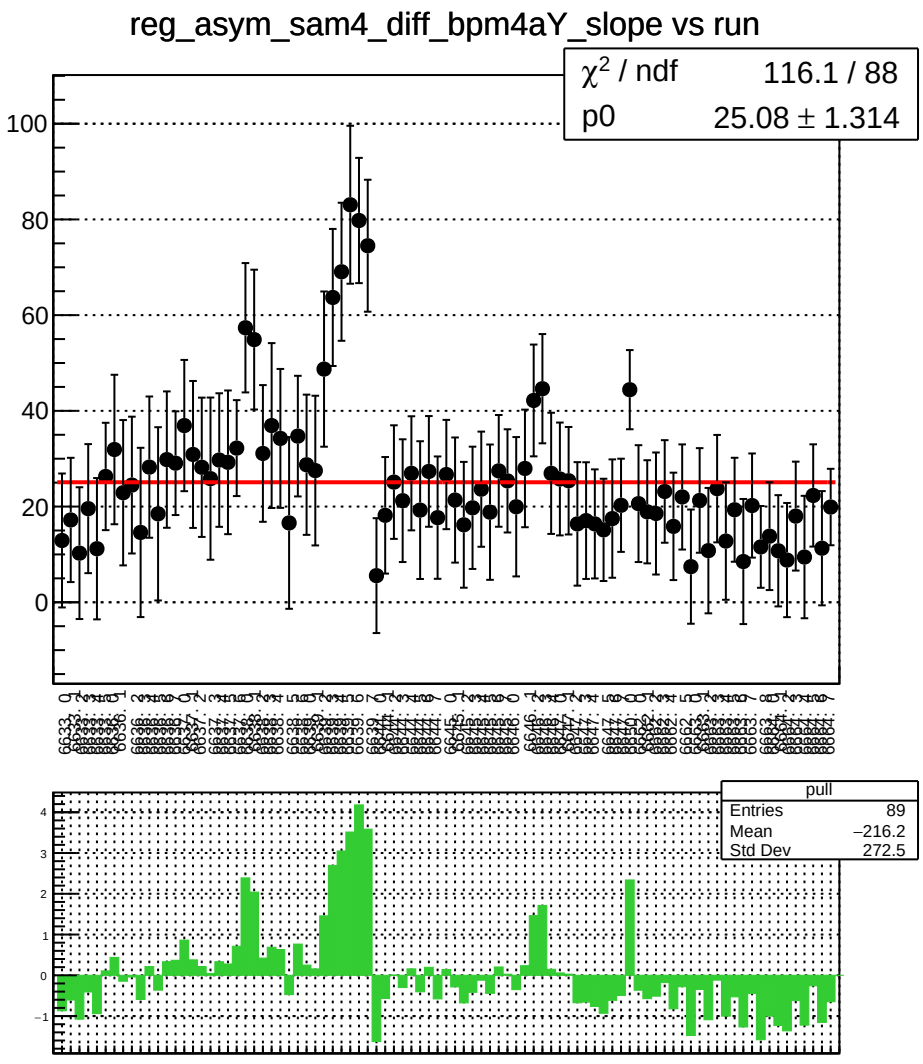

pull1D
Entries 89
Mean −0.06747
Std Dev 0.8683

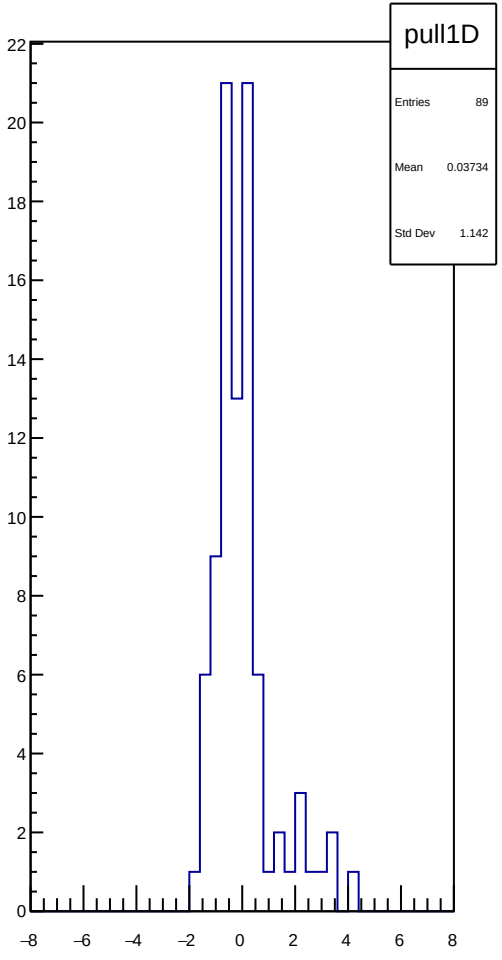

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 12.27 / 88
p0 0.2279 ± 0.03124
pull
Entries 89
Mean −152.7
Std Dev 219.7

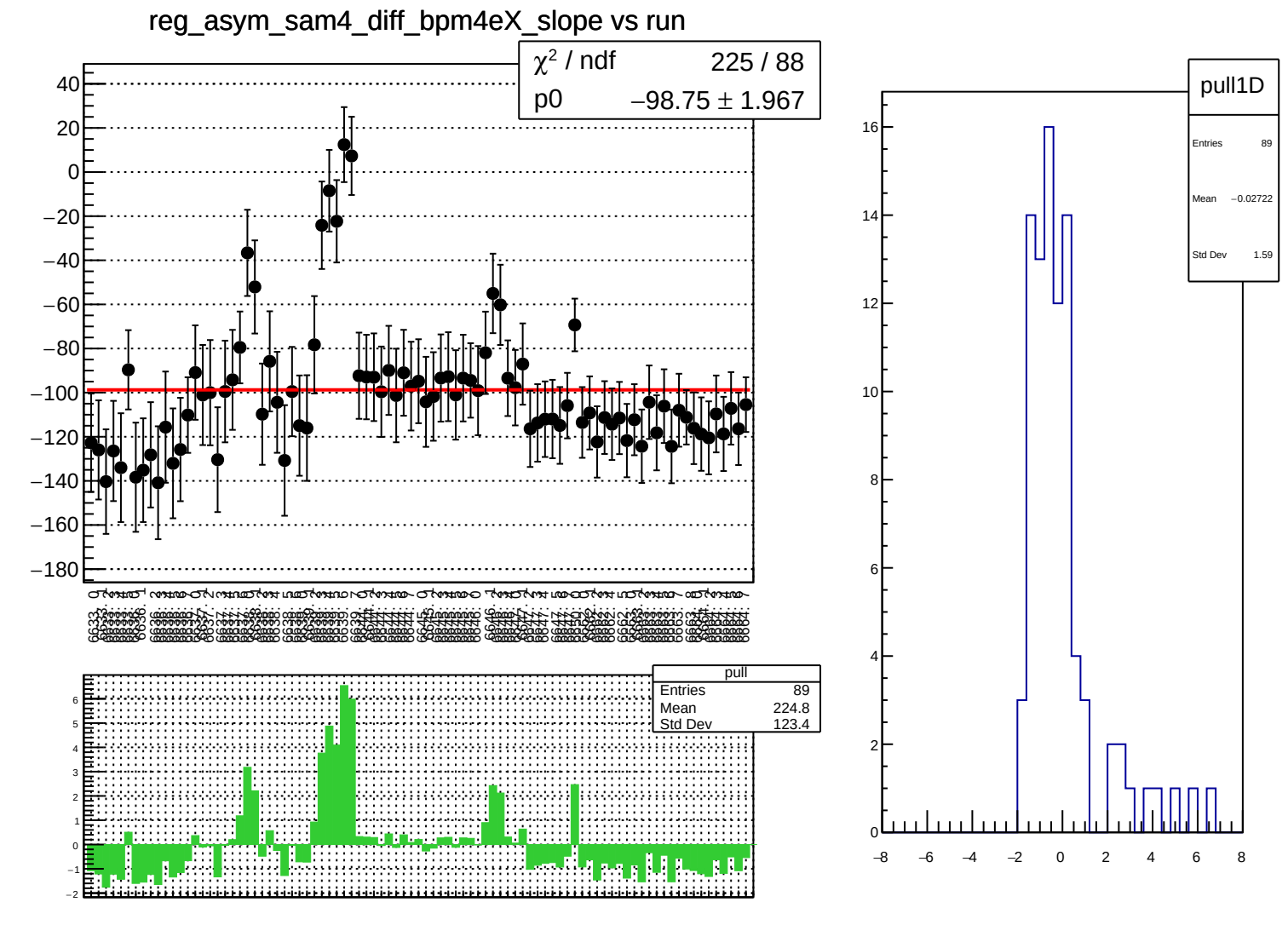

pull1D
Entries 89
Mean −0.01456
Std Dev 0.371

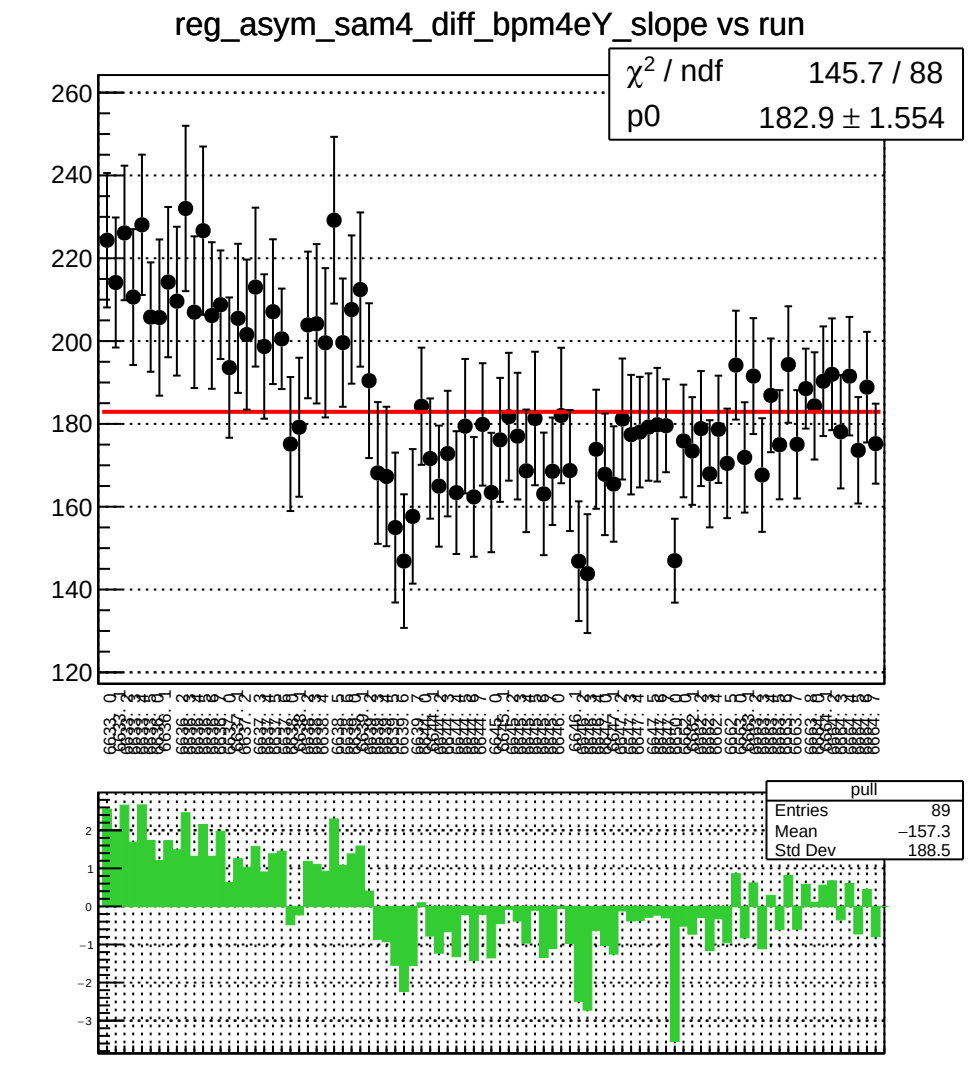

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 485.5 / 88
p0 −59.49 ± 1.835
0
−50
−100
−150
−200
pull
Entries 89
Mean −224.1
Std Dev 273.5
2
0
−2
−4
−6
−8

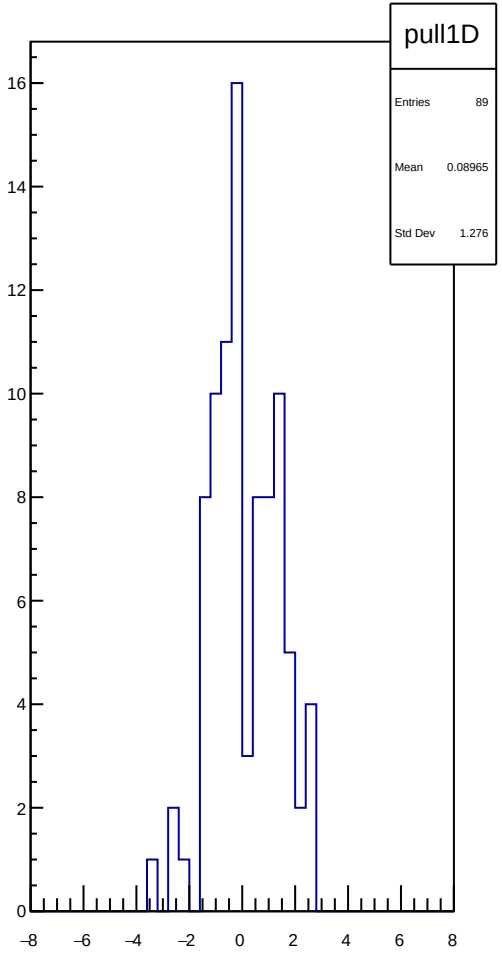

pull1D
Entries 89
Mean 0.08147
Std Dev 1.959
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

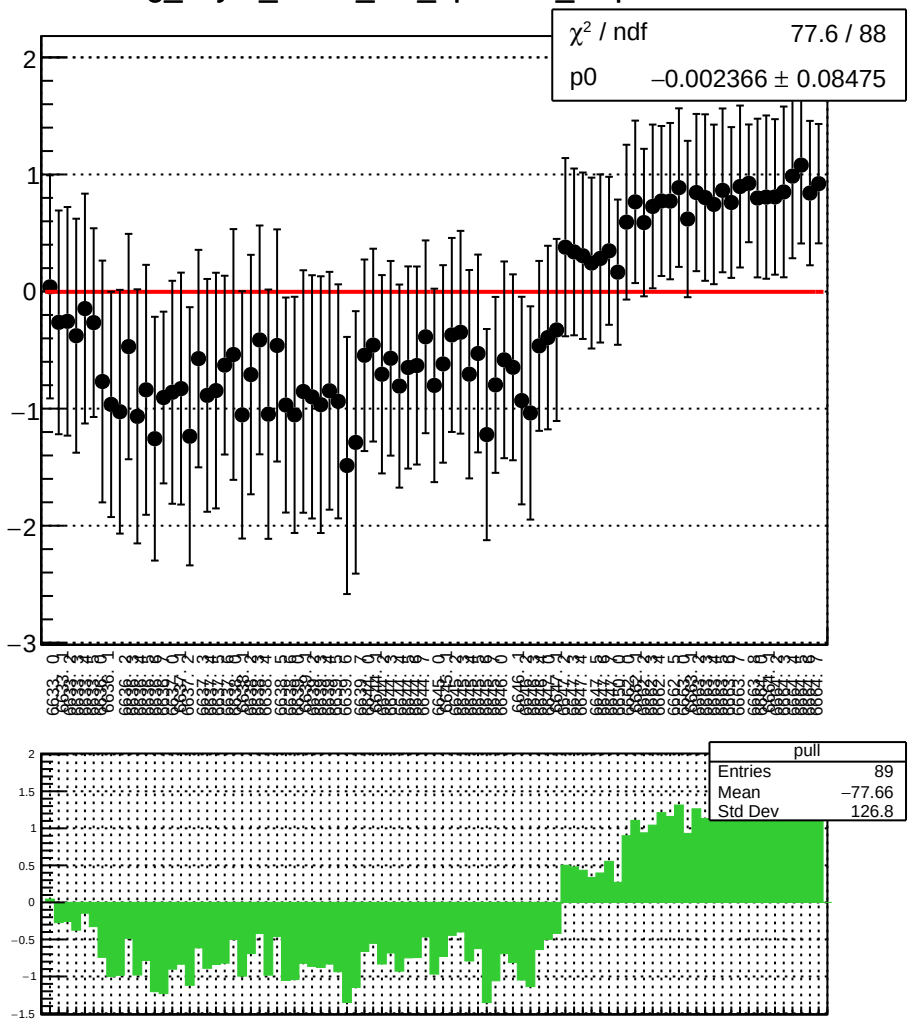

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 116.1 / 88
p0 25.08 ± 1.314
pull
Entries 89
Mean −216.2
Std Dev 272.5

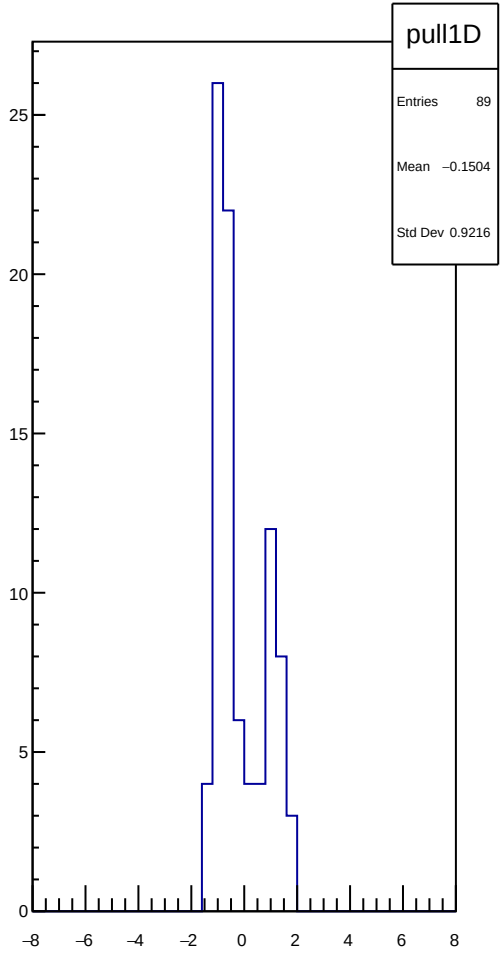

pull1D
Entries 89
Mean 0.03734
Std Dev 1.142

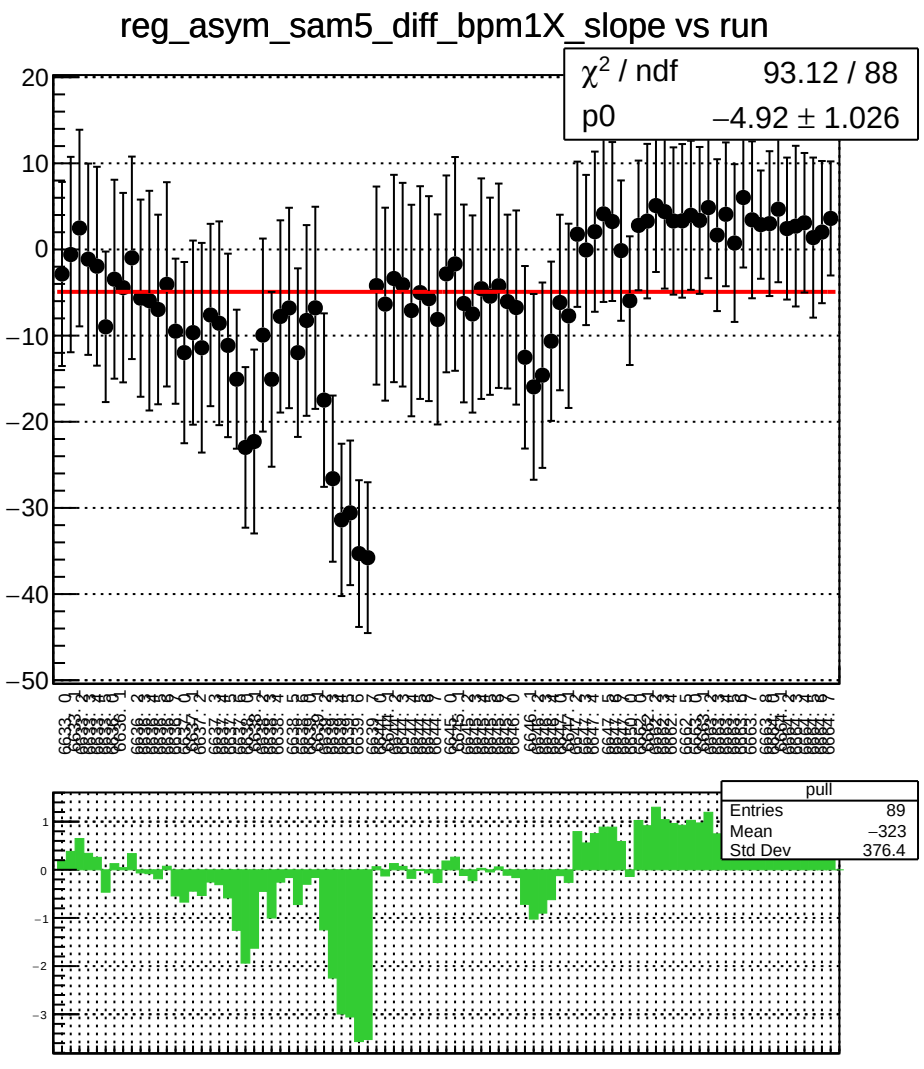

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 225 / 88
p0 −98.75 ± 1.967
pull
Entries 89
Mean 224.8
Std Dev 123.4
pull1D
Entries 89
Mean −0.02722
Std Dev 1.59

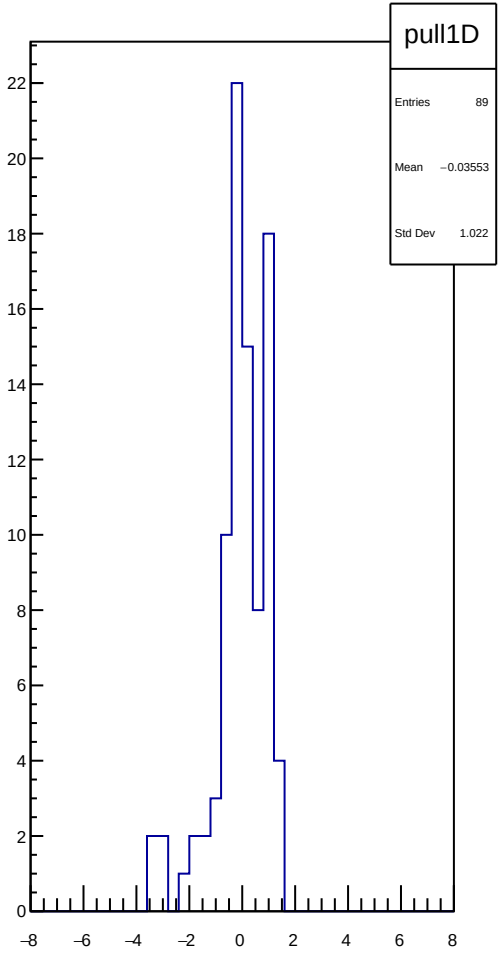

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 145.7 / 88
p0 182.9 ± 1.554
pull
Entries 89
Mean −157.3
Std Dev 188.5

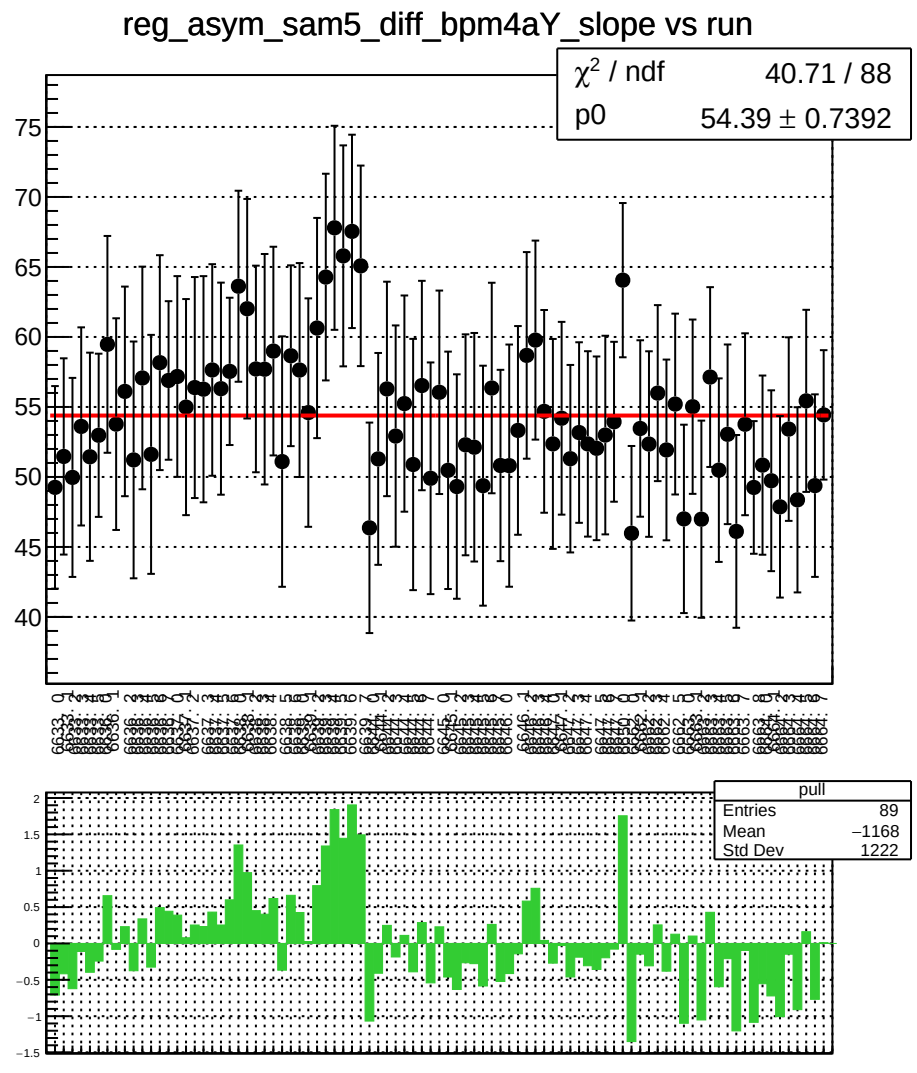

pull1D
Entries 89
Mean 0.08965
Std Dev 1.276

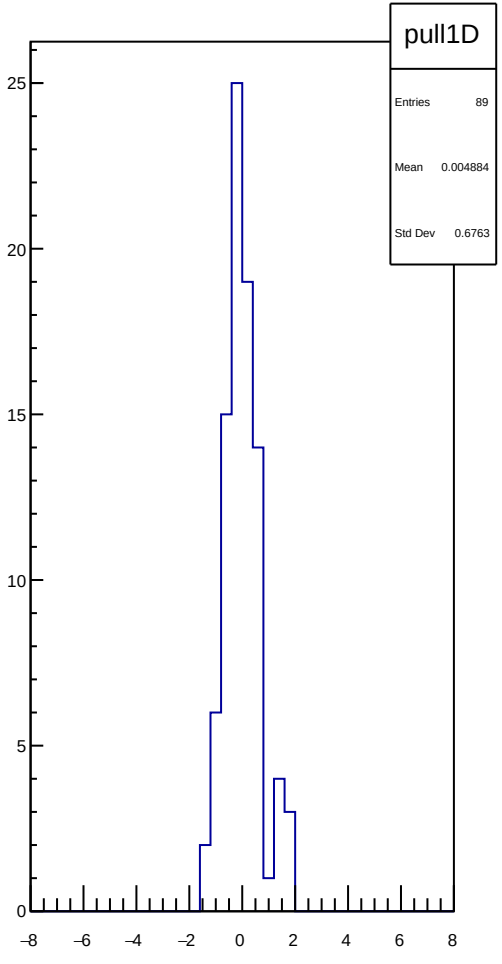

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 77.6 / 88
p0 −0.002366 ± 0.08475
pull
Entries 89
Mean −77.66
Std Dev 126.8

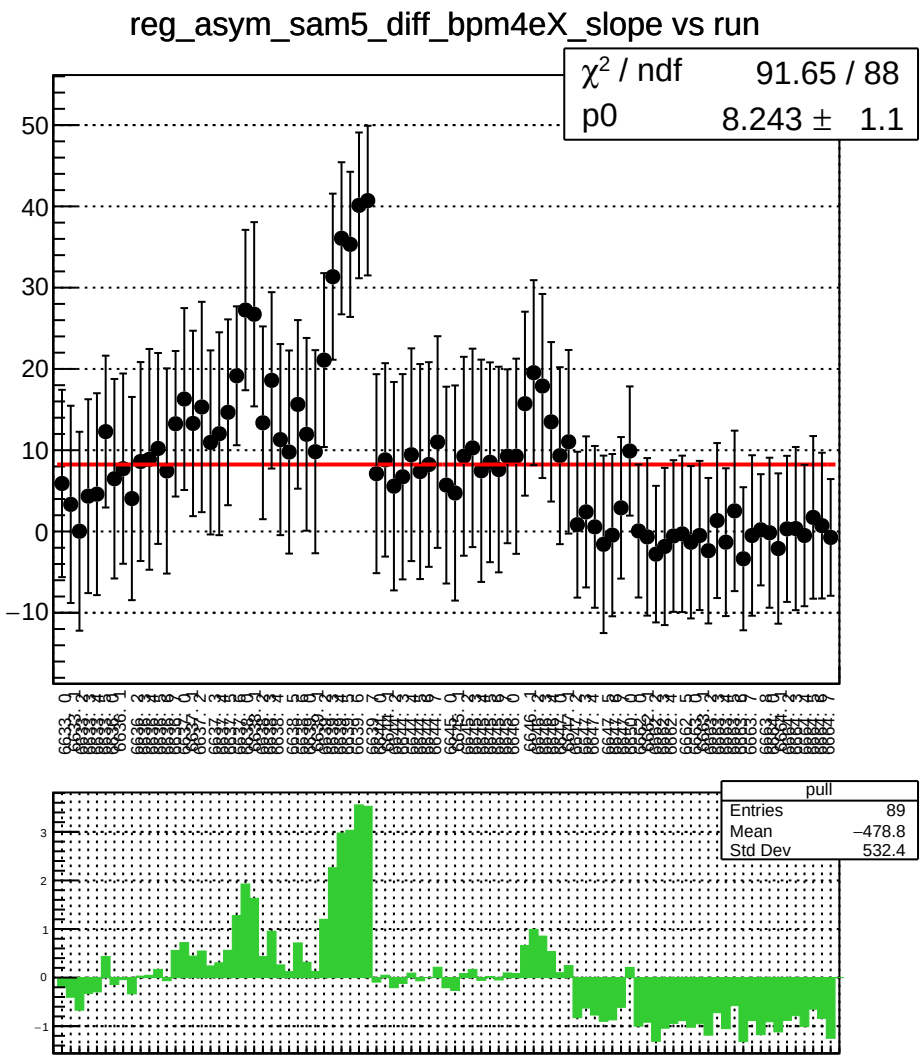

pull1D
Entries 89
Mean −0.1504
Std Dev 0.9216

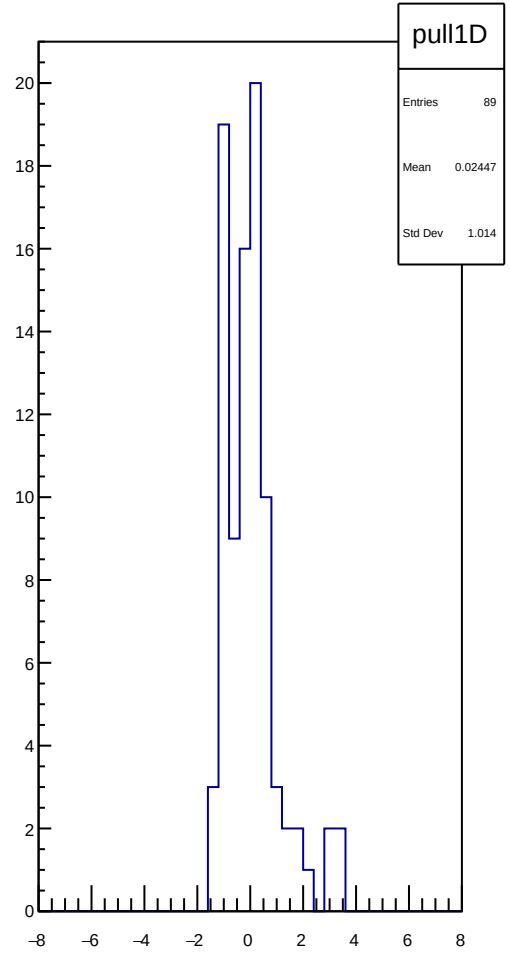

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 93.12 / 88
p0 −4.92 ± 1.026
pull
Entries 89
Mean −323
Std Dev 376.4

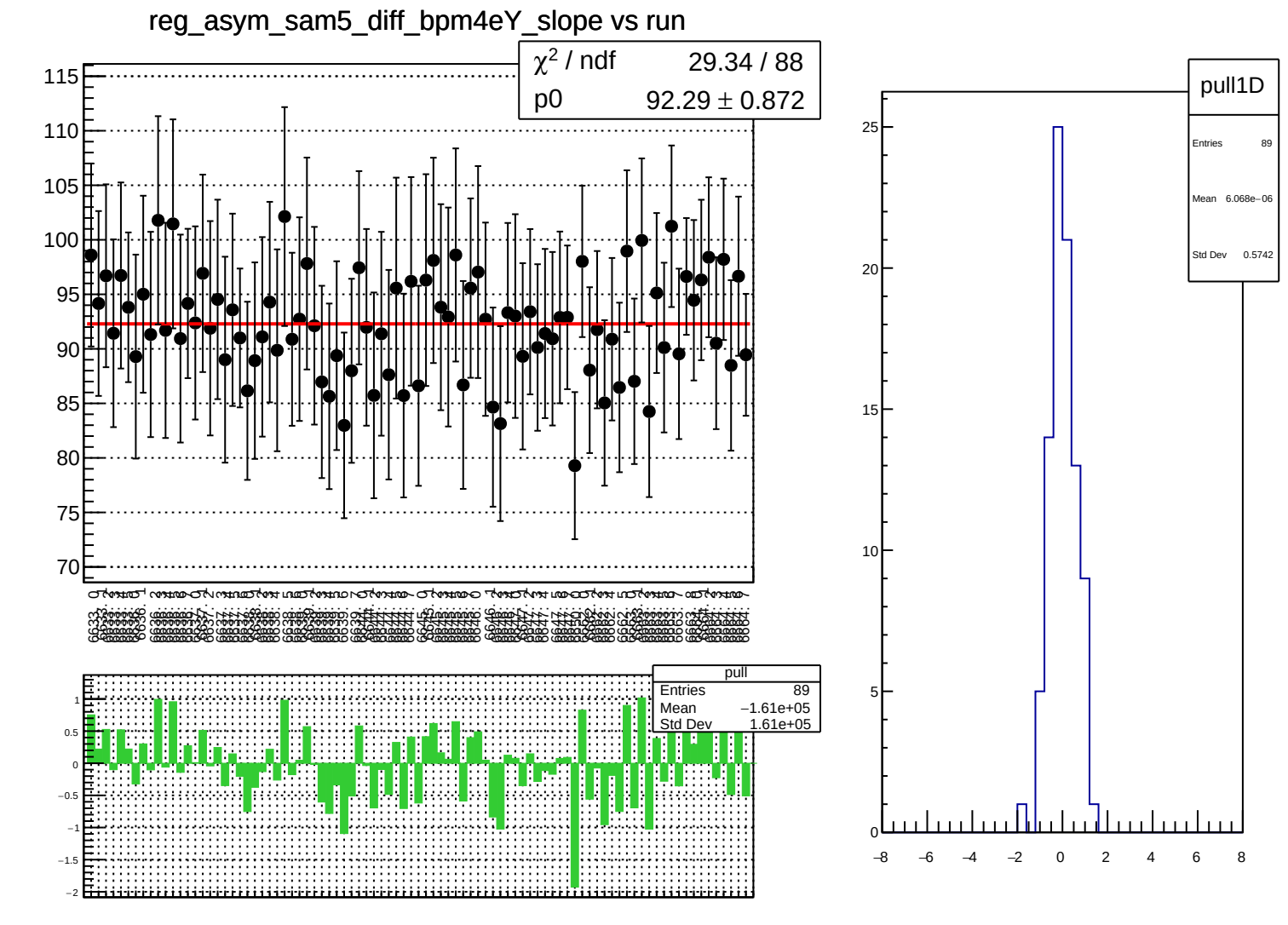

pull1D
Entries 89
Mean −0.03553
Std Dev 1.022

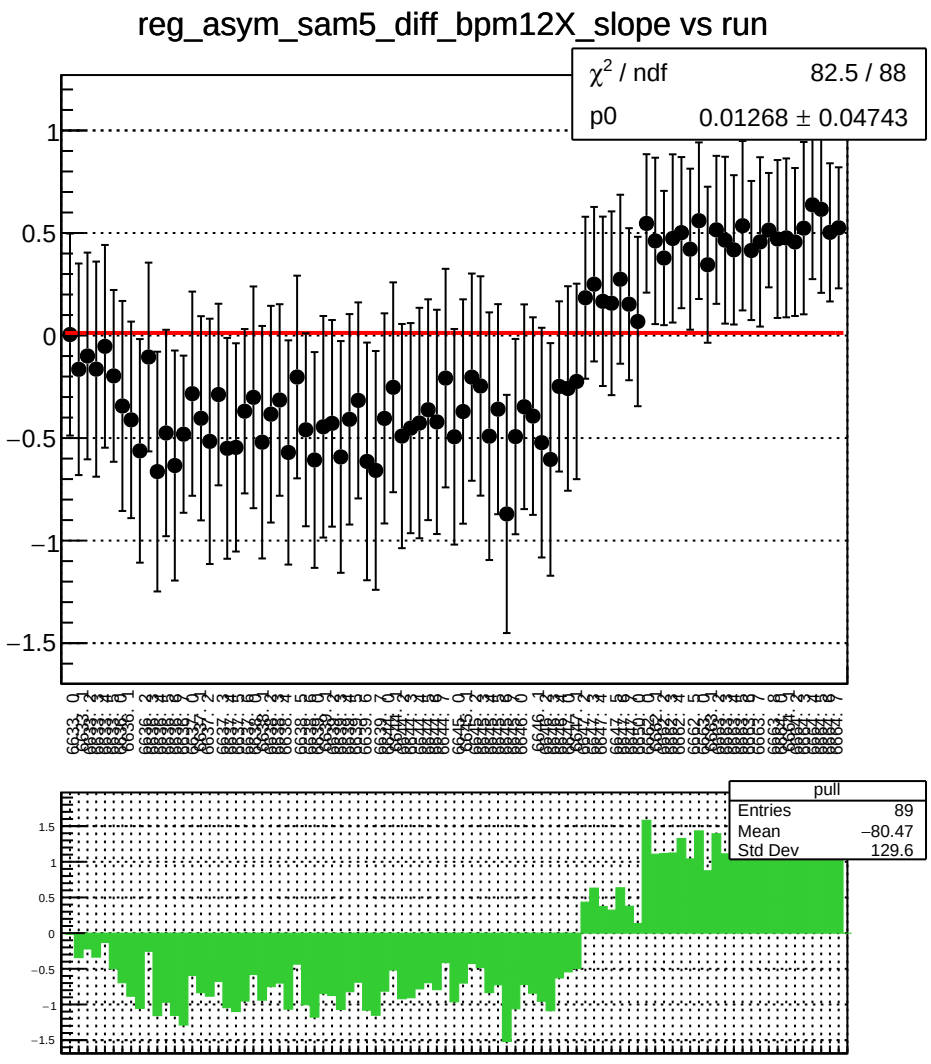

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 40.71 / 88
p0 54.39 ± 0.7392
pull
Entries 89
Mean −1168
Std Dev 1222

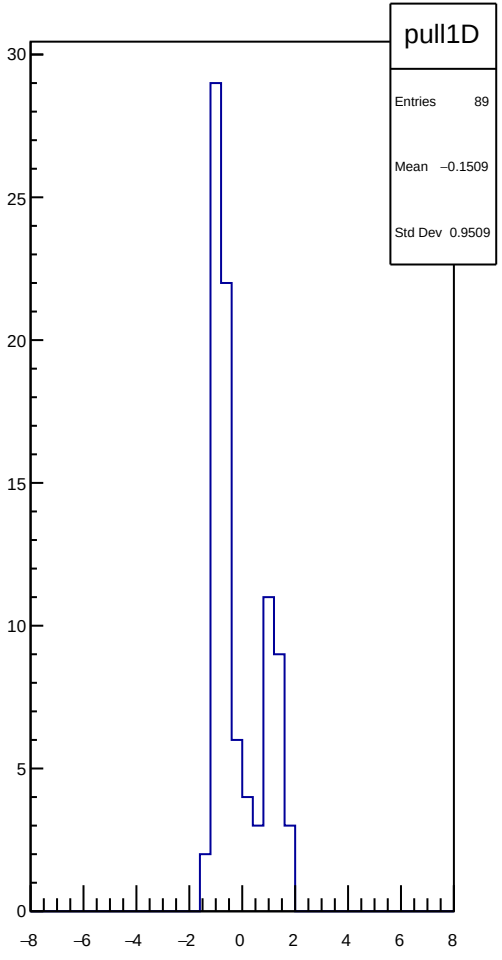

pull1D
Entries 89
Mean 0.004884
Std Dev 0.6763

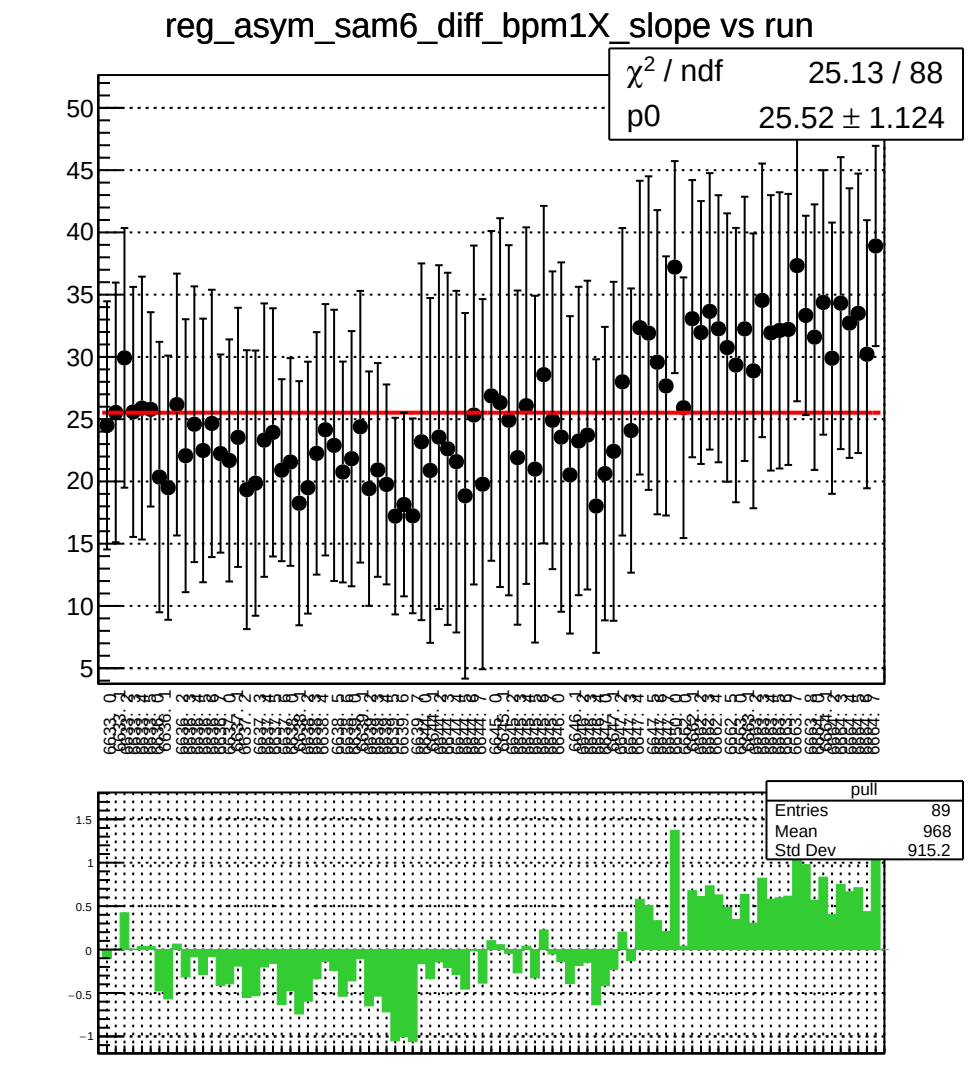

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 91.65 / 88
p0 8.243 ± 1.1
pull
Entries 89
Mean −478.8
Std Dev 532.4

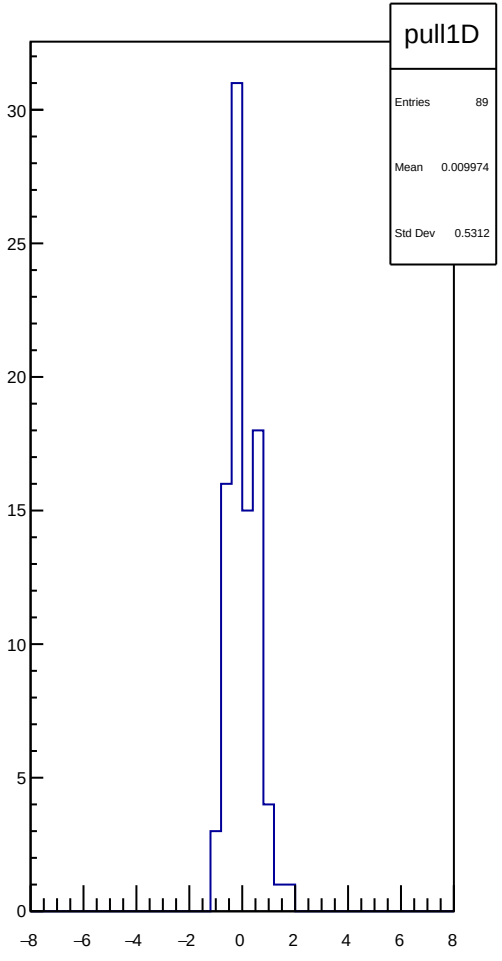

pull1D
Entries 89
Mean 0.02447
Std Dev 1.014

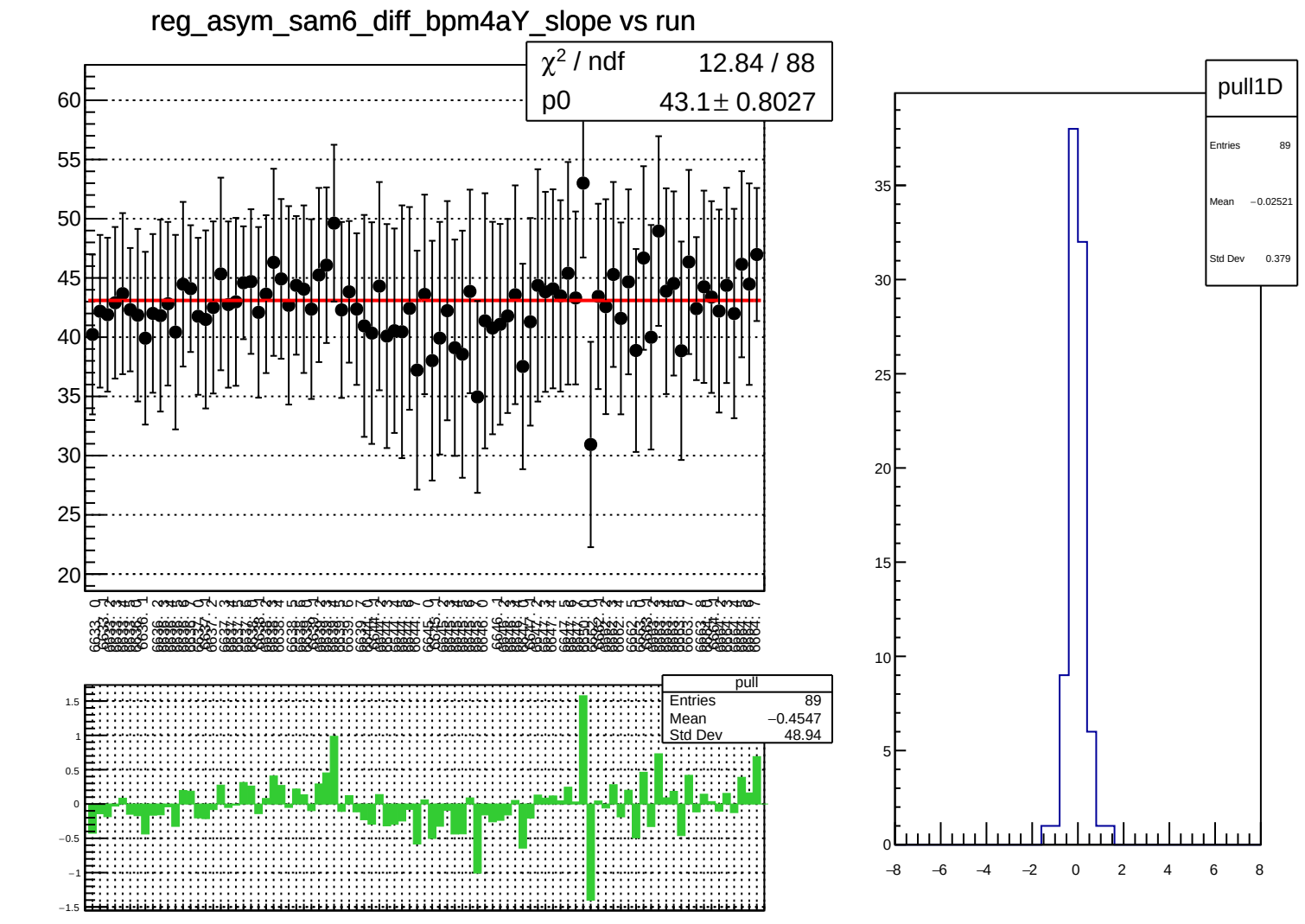

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 29.34 / 88
p0 92.29 ± 0.872
pull
Entries 89
Mean −1.61e+05
Std Dev 1.61e+05
pull1D
Entries 89
Mean 6.068e−06
Std Dev 0.5742

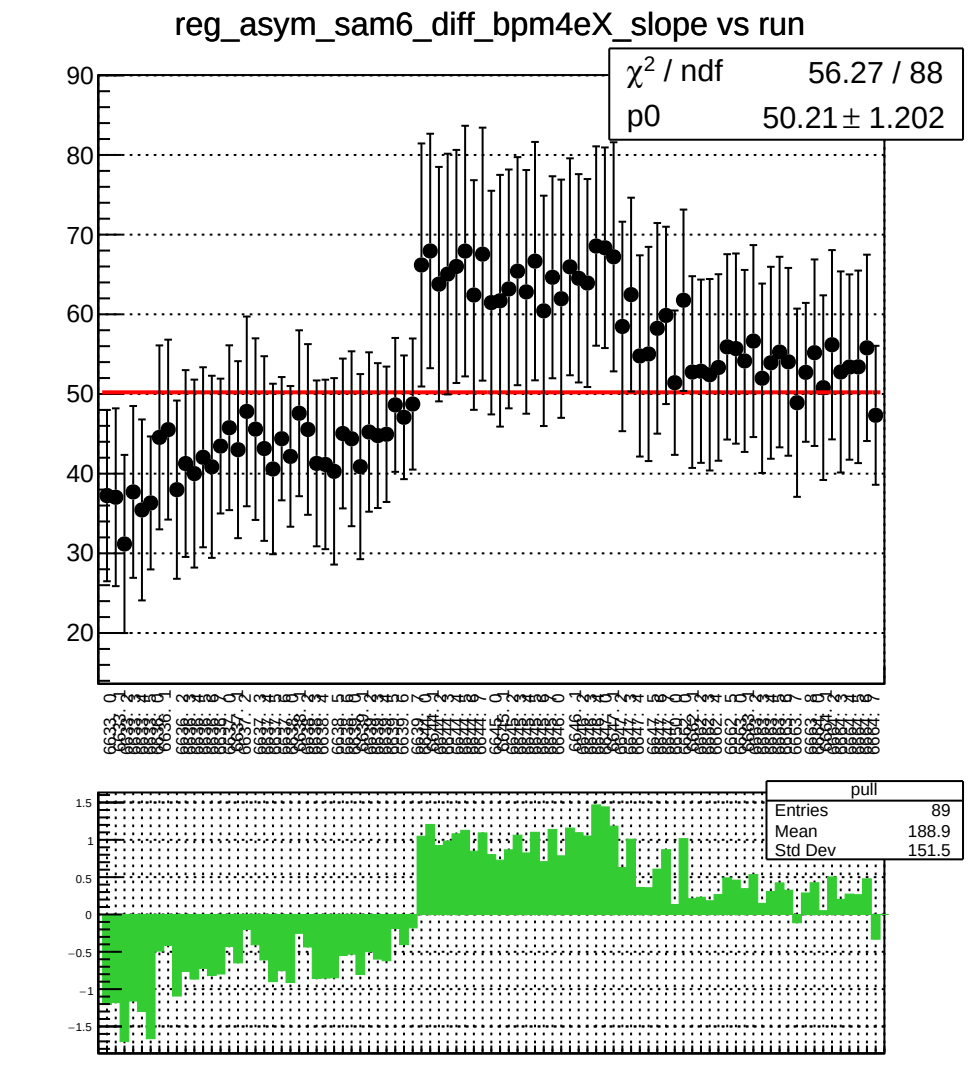

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 82.5 / 88
p0 0.01268 ± 0.04743
pull
Entries 89
Mean −80.47
Std Dev 129.6

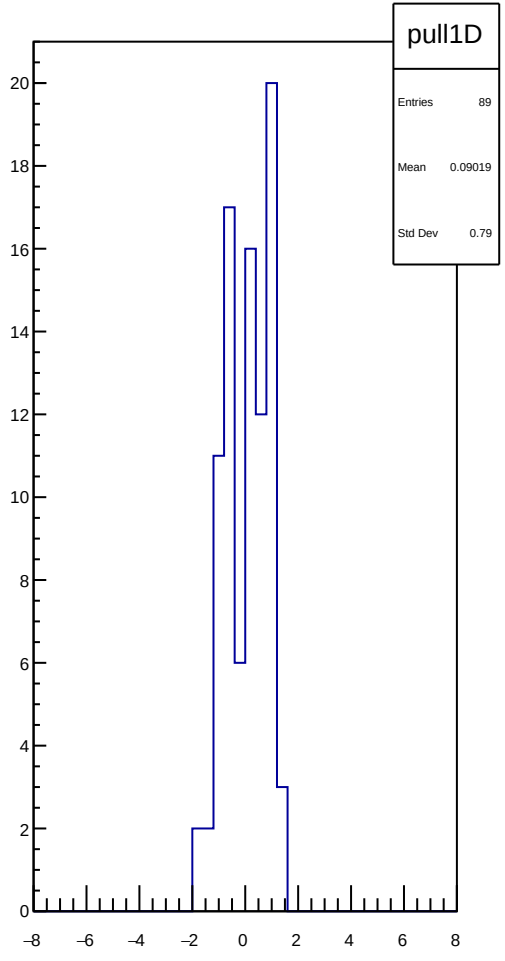

pull1D
Entries 89
Mean −0.1509
Std Dev 0.9509

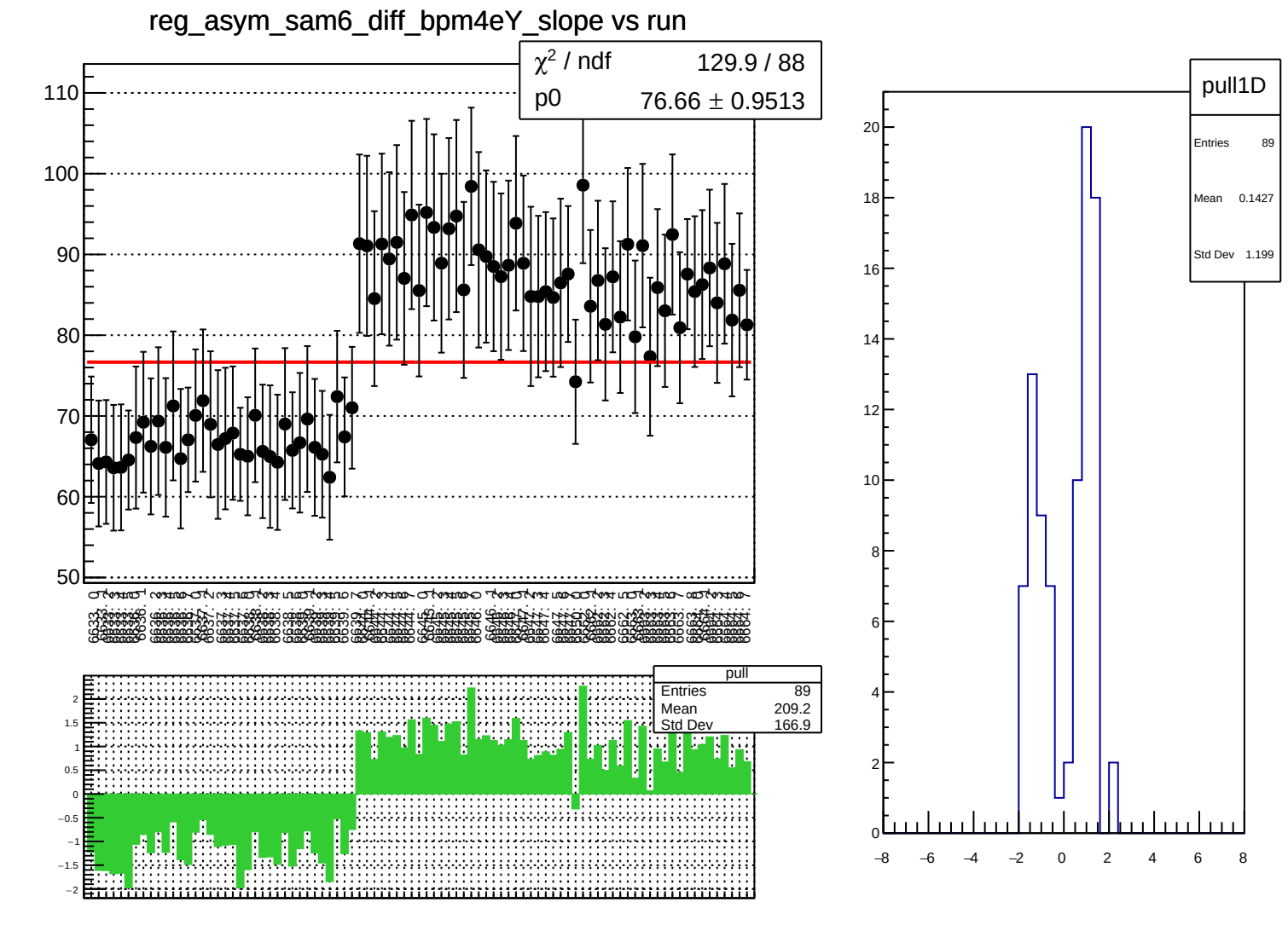

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 25.13 / 88
p0 25.52 ± 1.124
pull
Entries 89
Mean 968
Std Dev 915.2

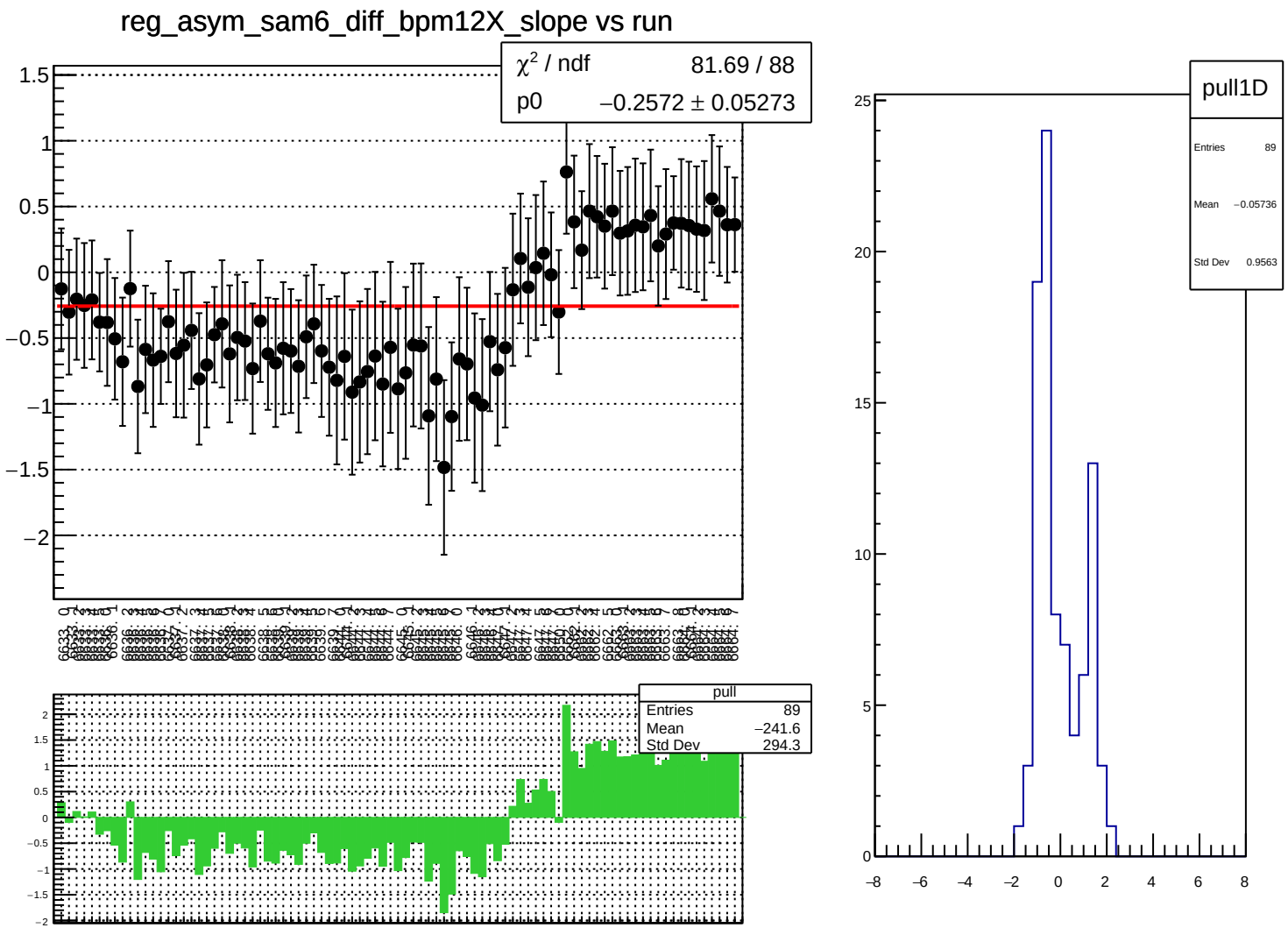

pull1D
Entries 89
Mean 0.009974
Std Dev 0.5312

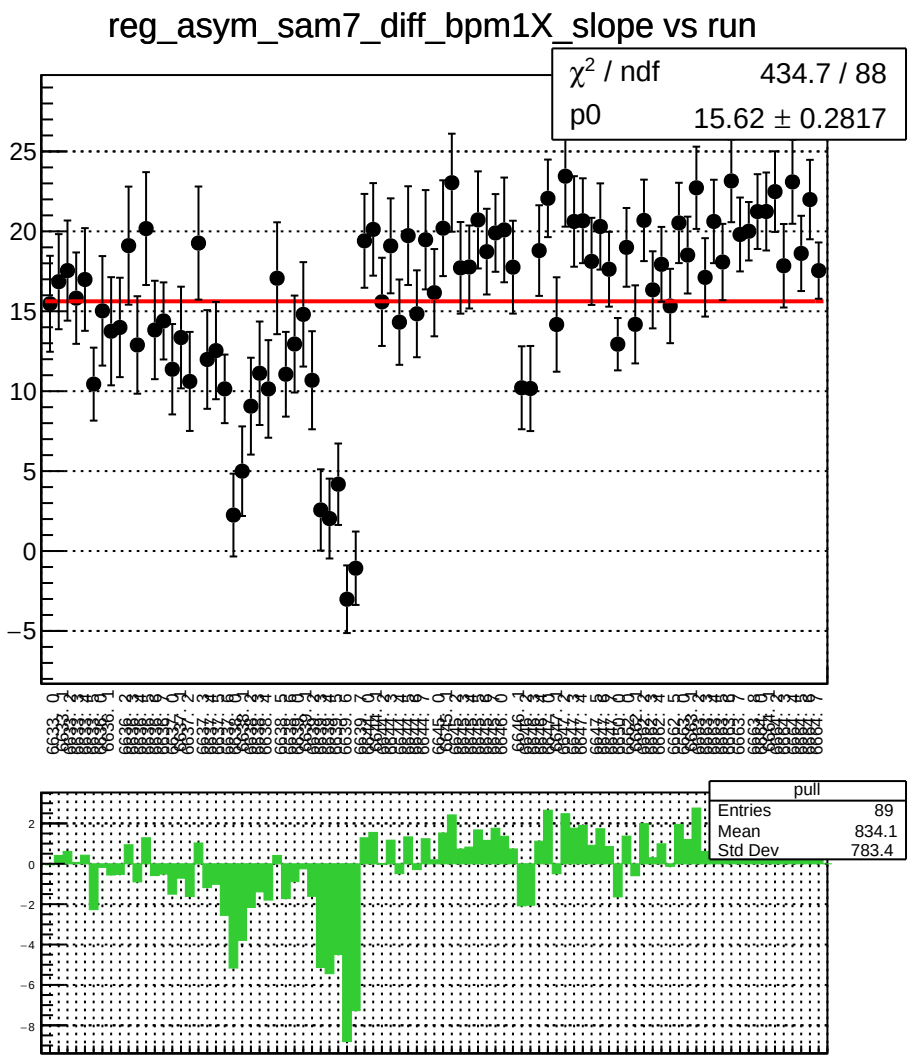

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 12.84 / 88
p0 43.1 ± 0.8027
pull
Entries 89
Mean −0.4547
Std Dev 48.94
pull1D
Entries 89
Mean −0.02521
Std Dev 0.379

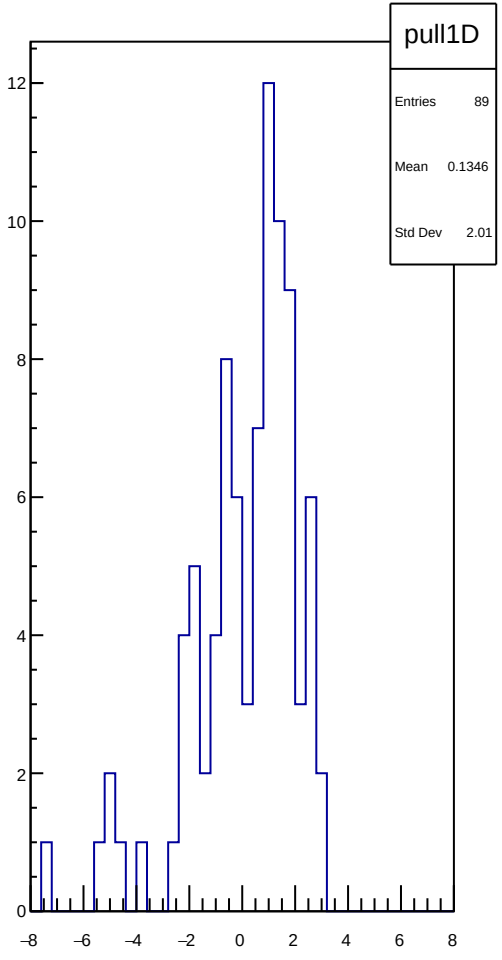

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 56.27 / 88
p0 50.21 ± 1.202
pull
Entries 89
Mean 188.9
Std Dev 151.5

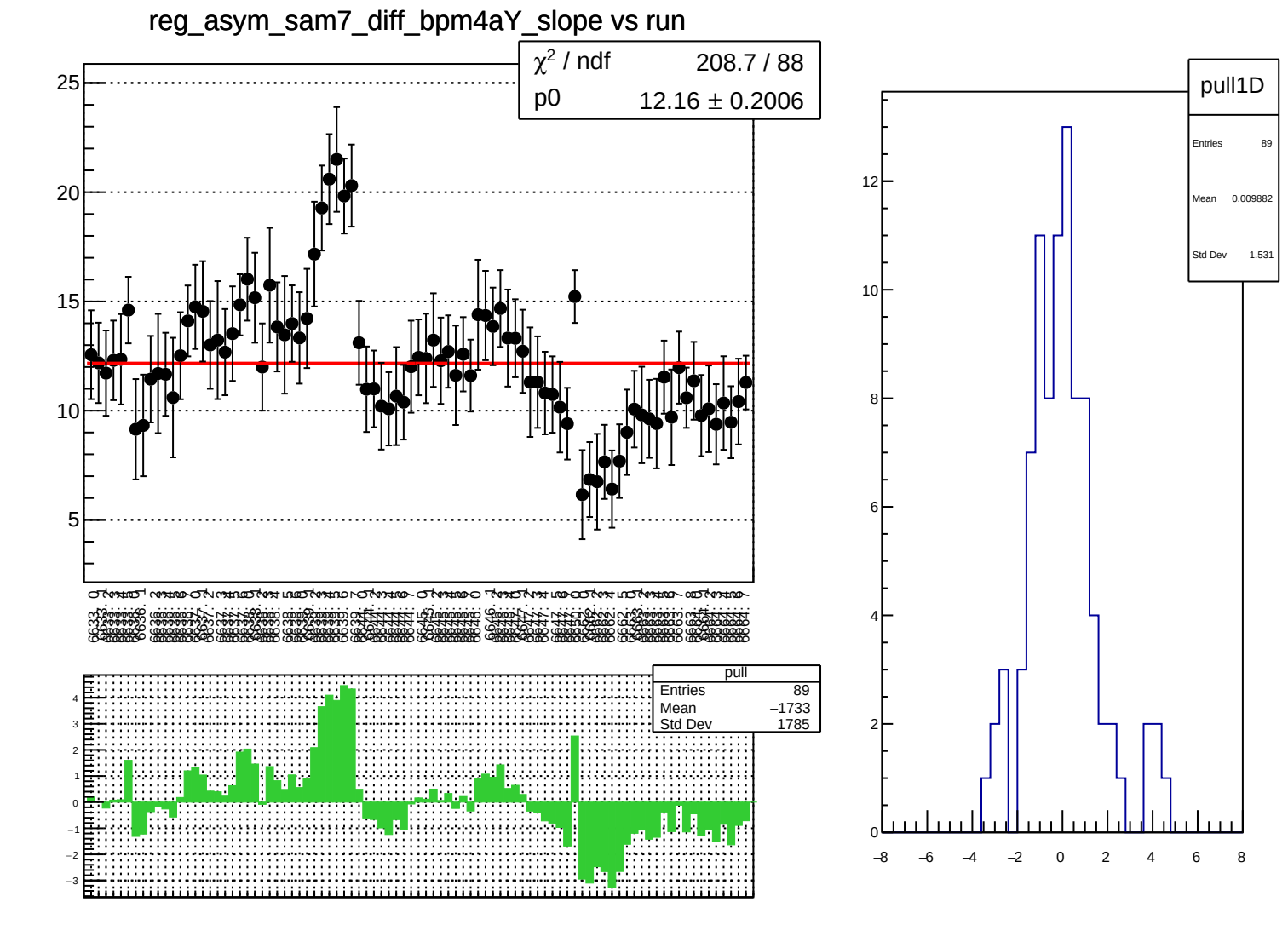

pull1D
Entries 89
Mean 0.09019
Std Dev 0.79

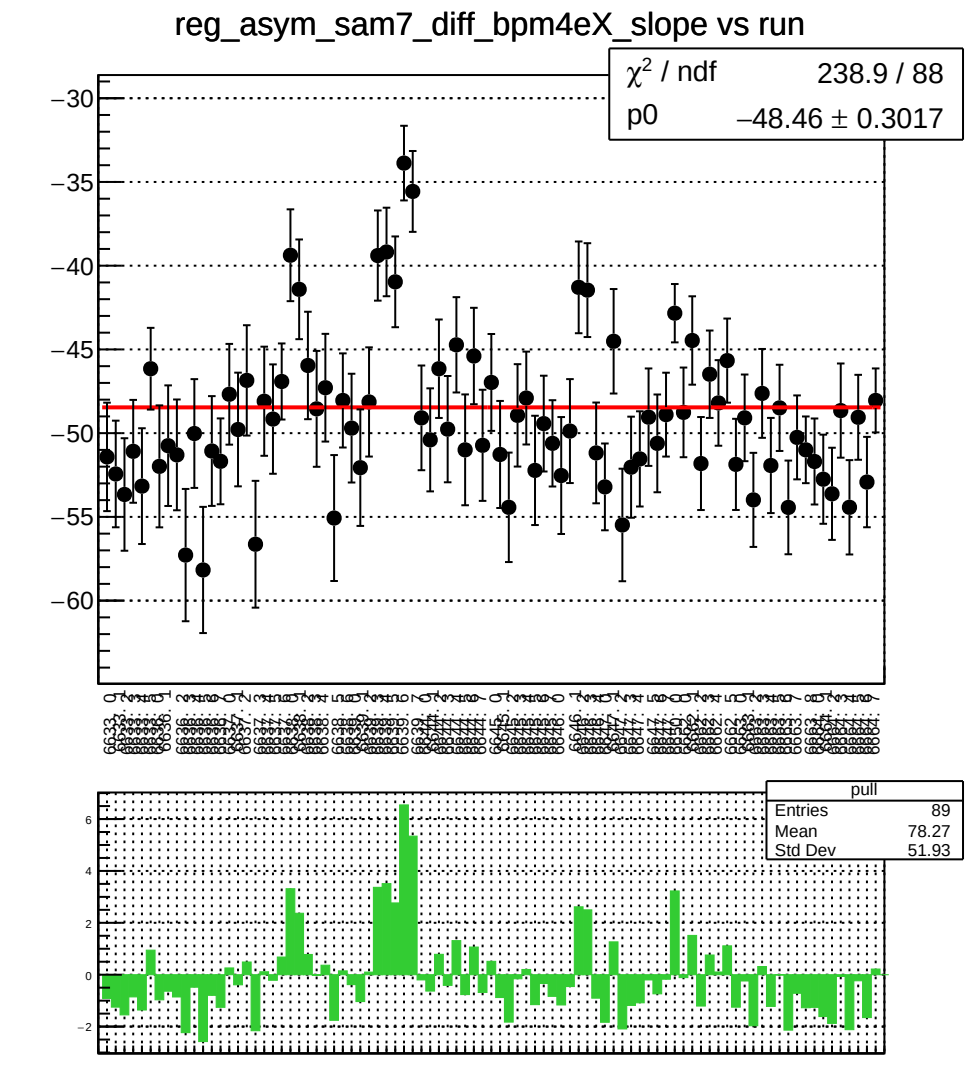

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 129.9 / 88
p0 76.66 ± 0.9513
pull
Entries 89
Mean 209.2
Std Dev 166.9
pull1D
Entries 89
Mean 0.1427
Std Dev 1.199

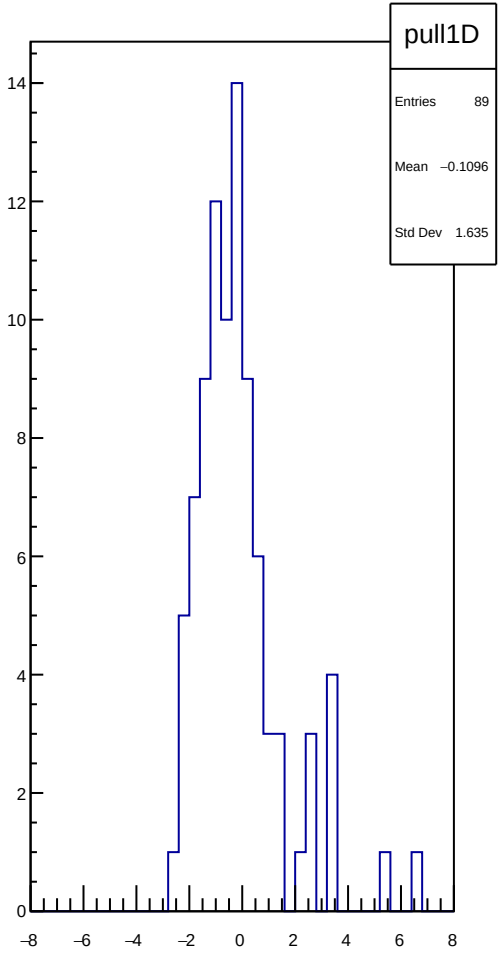

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 81.69 / 88
p0 −0.2572 ± 0.05273
pull
Entries 89
Mean −241.6
Std Dev 294.3
pull1D
Entries 89
Mean −0.05736
Std Dev 0.9563

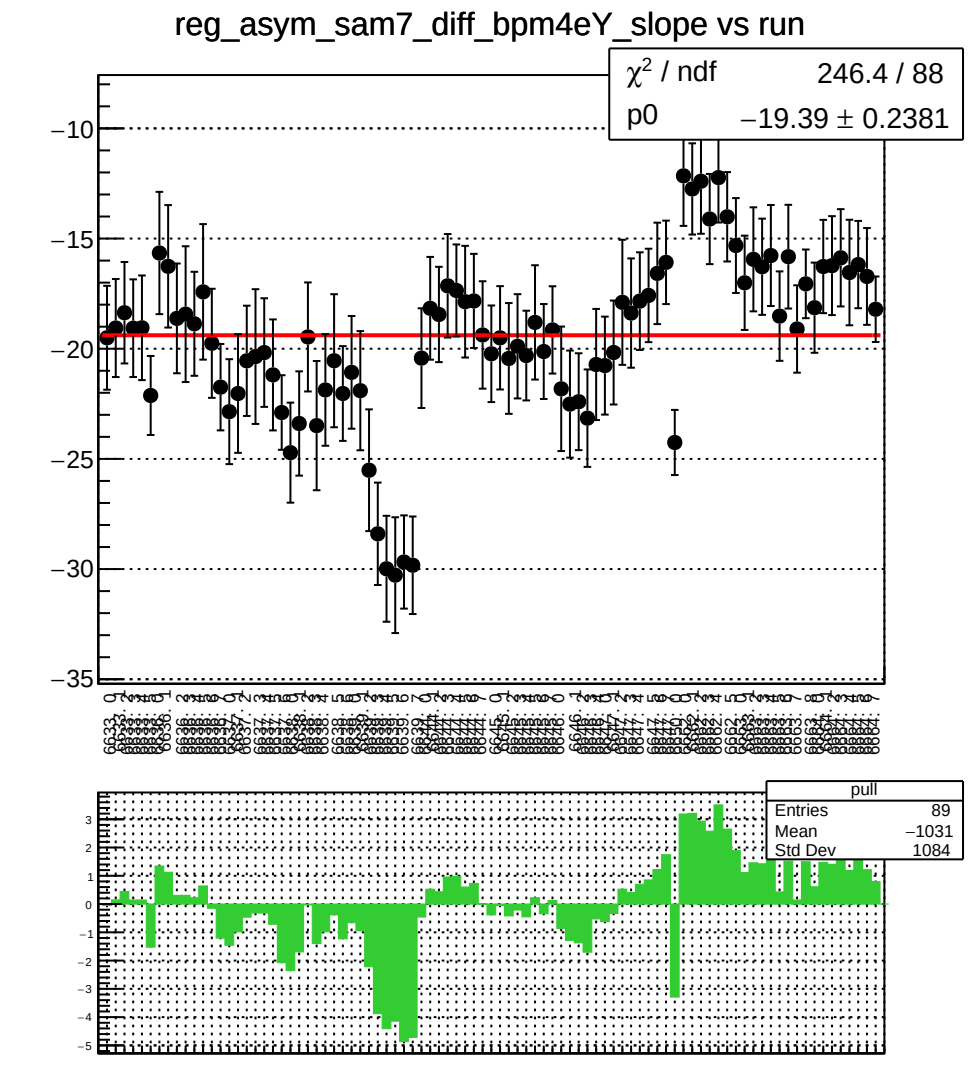

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 434.7 / 88
p0 15.62 ± 0.2817
pull
Entries 89
Mean 834.1
Std Dev 783.4

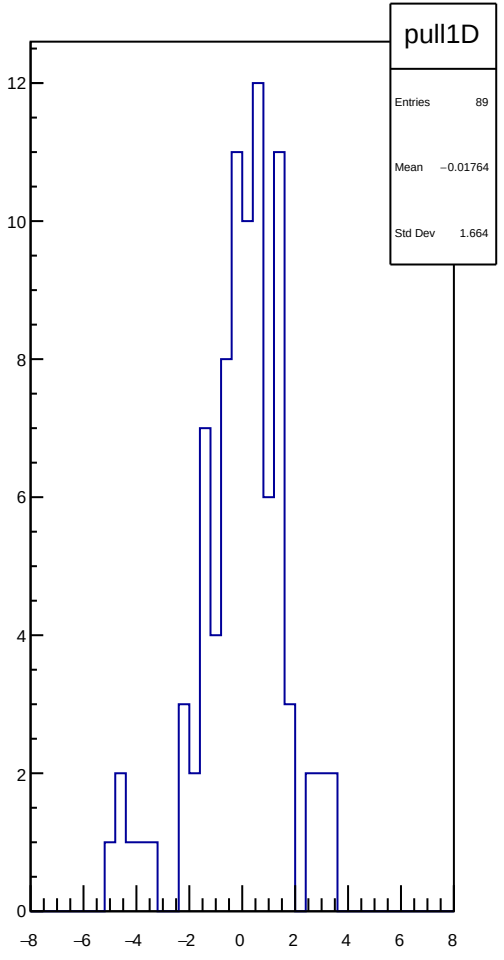

pull1D
Entries 89
Mean 0.1346
Std Dev 2.01

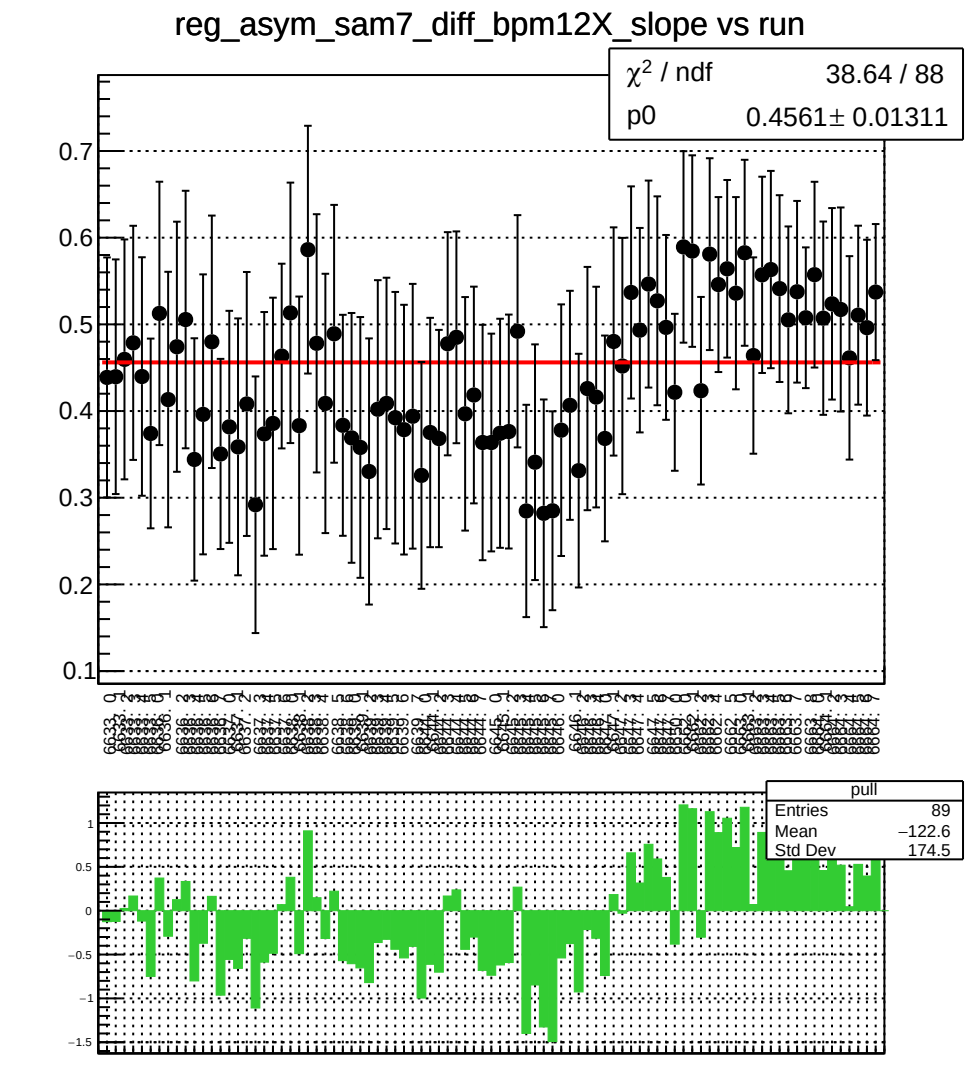

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 208.7 / 88
p0 12.16 ± 0.2006
pull
Entries 89
Mean −1733
Std Dev 1785
pull1D
Entries 89
Mean 0.009882
Std Dev 1.531

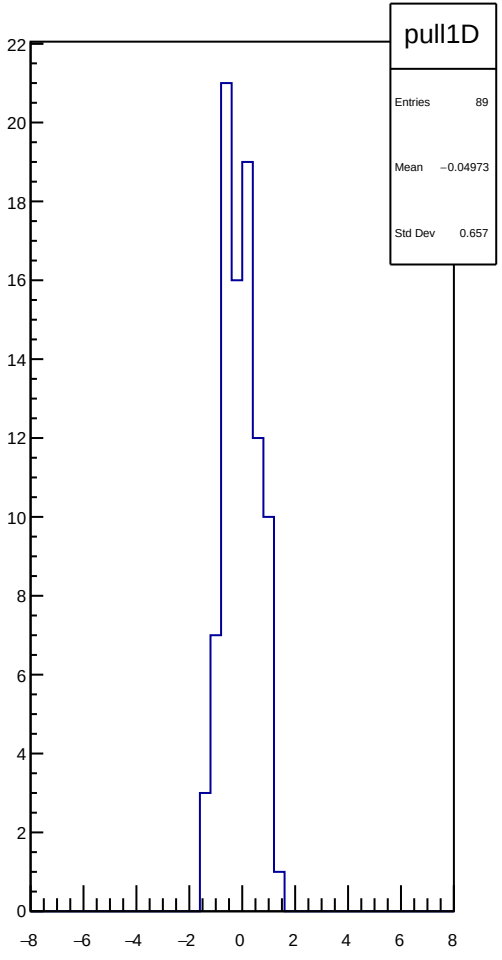

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 238.9 / 88
p0 −48.46 ± 0.3017
pull
Entries 89
Mean 78.27
Std Dev 51.93

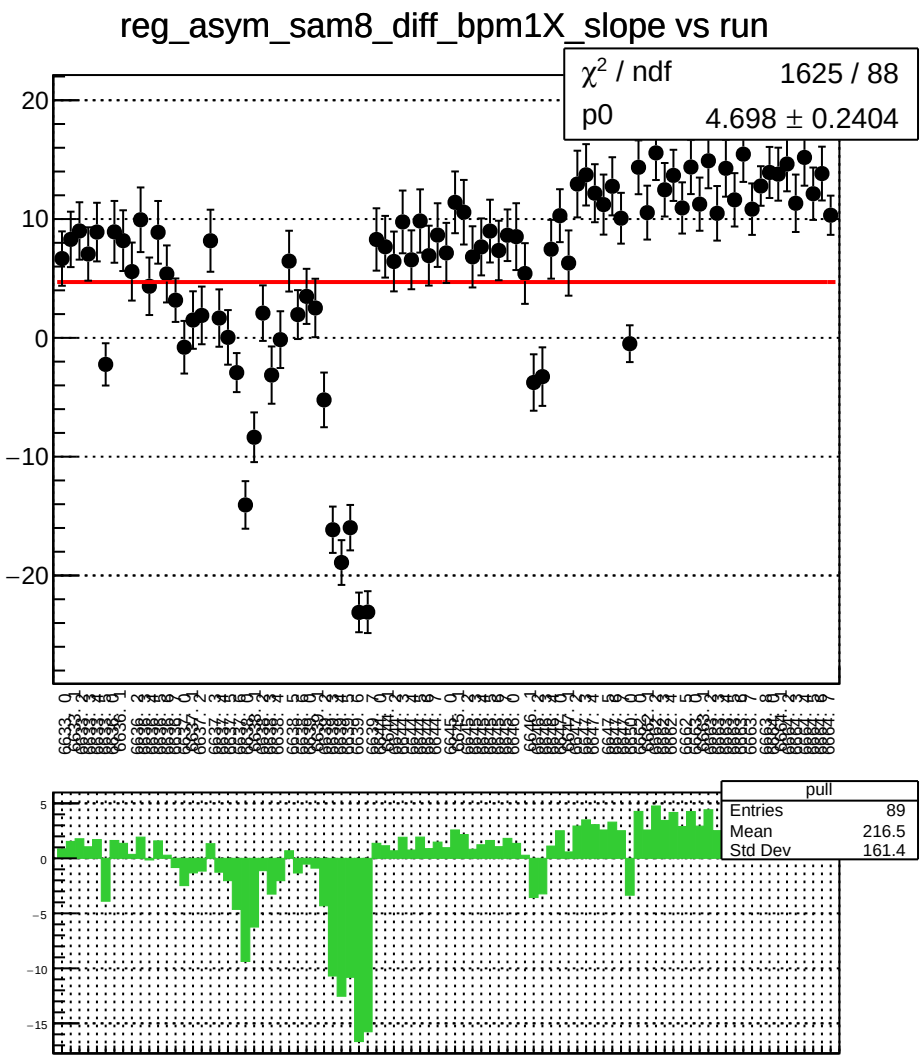

pull1D
Entries 89
Mean −0.1096
Std Dev 1.635

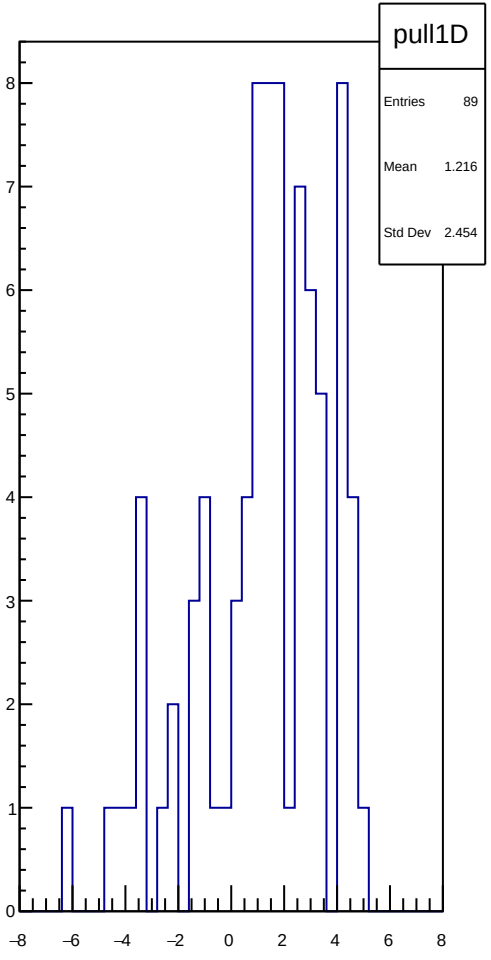

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 246.4 / 88
p0 −19.39 ± 0.2381
pull
Entries 89
Mean −1031
Std Dev 1084

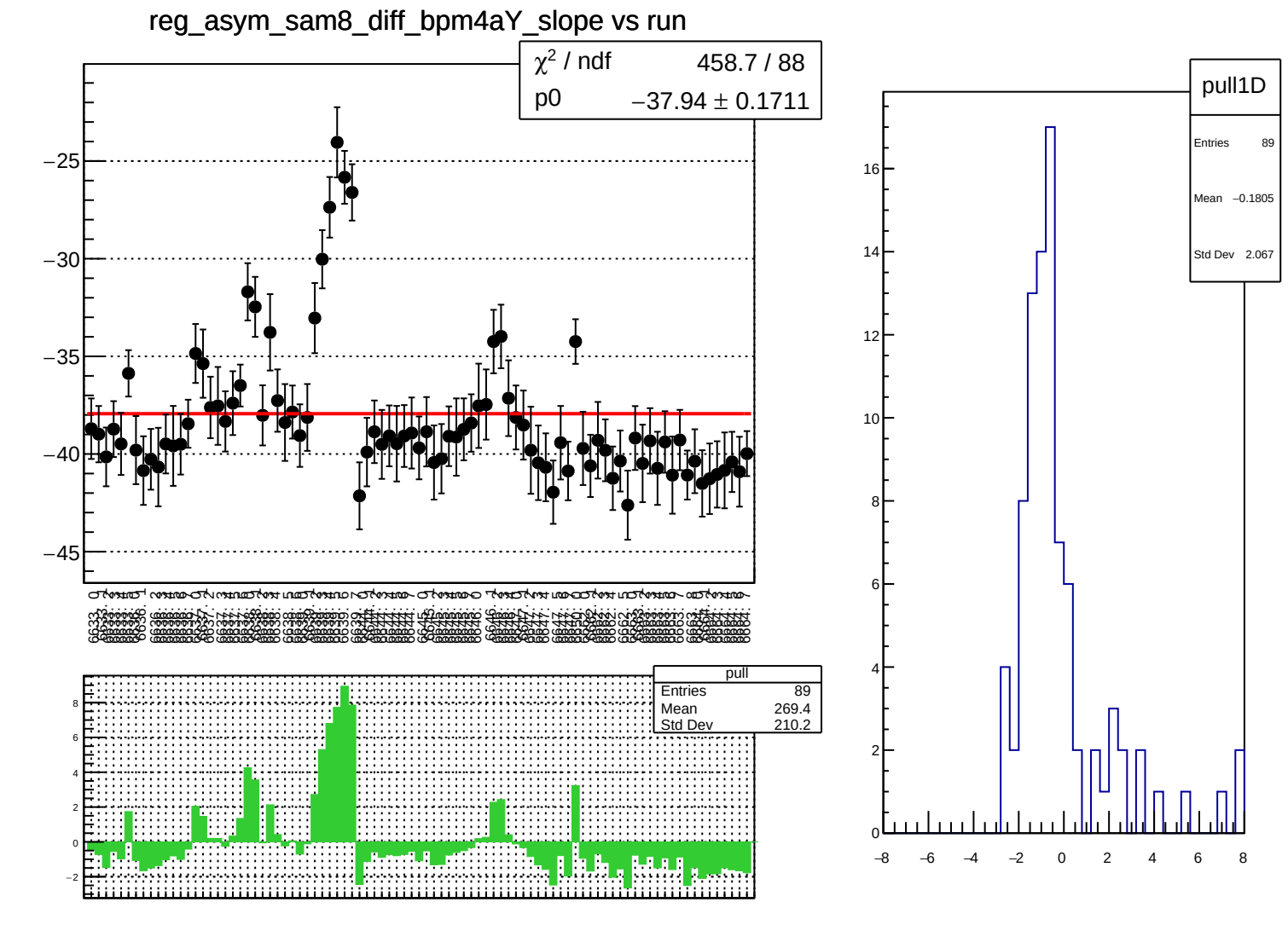

pull1D
Entries 89
Mean −0.01764
Std Dev 1.664

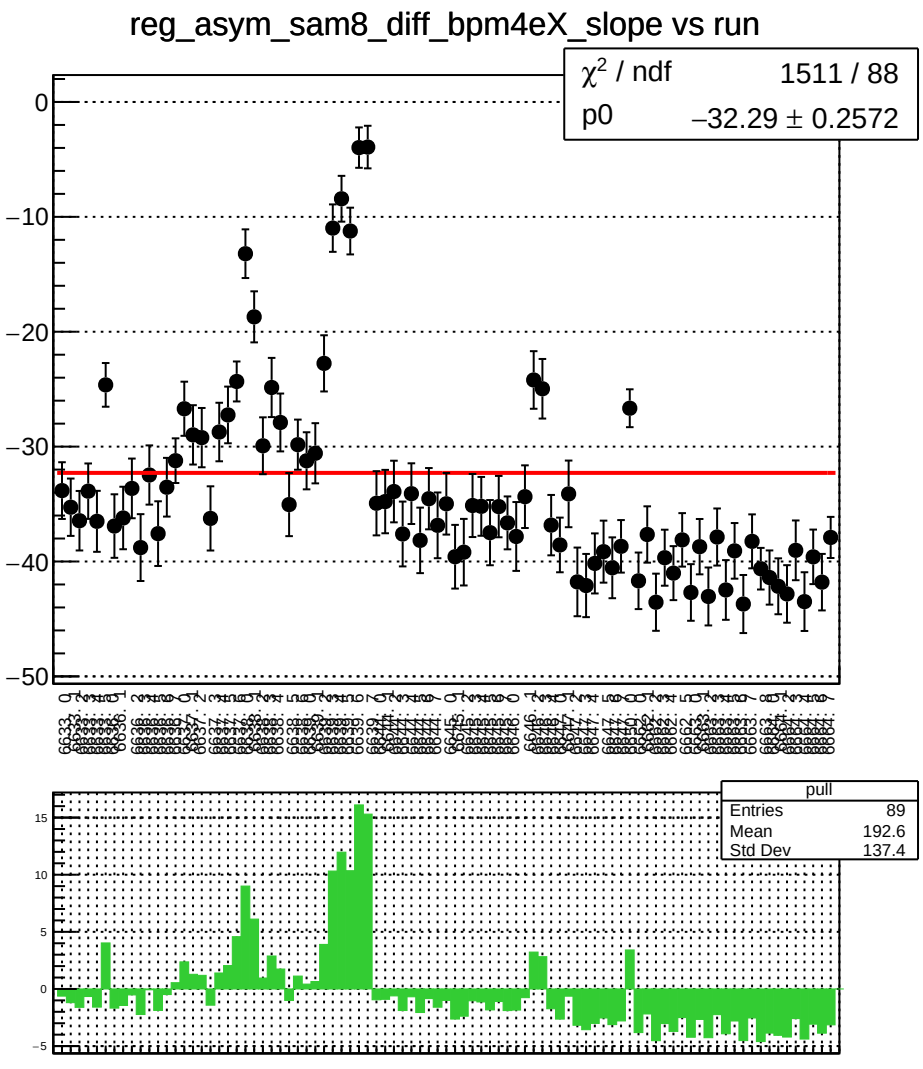

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 38.64 / 88
p0 0.4561± 0.01311
pull
Entries 89
Mean −122.6
Std Dev 174.5

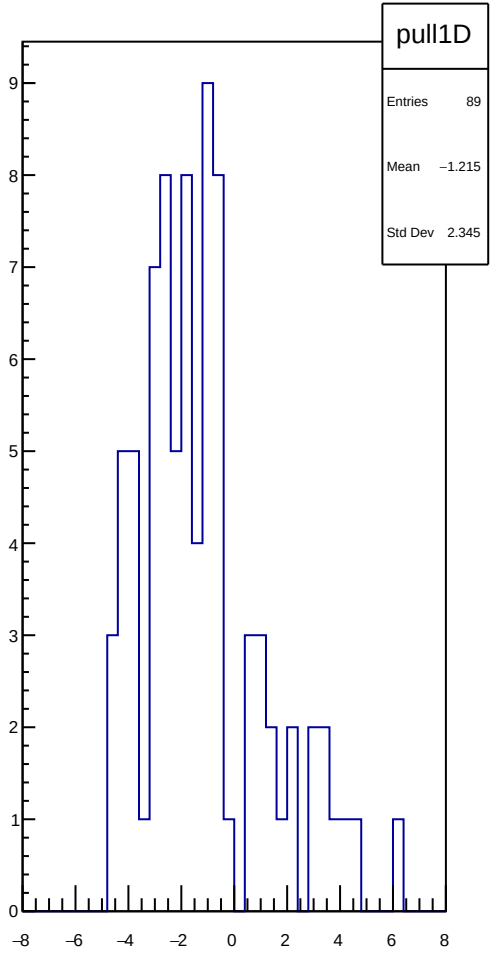

pull1D
Entries 89
Mean −0.04973
Std Dev 0.657

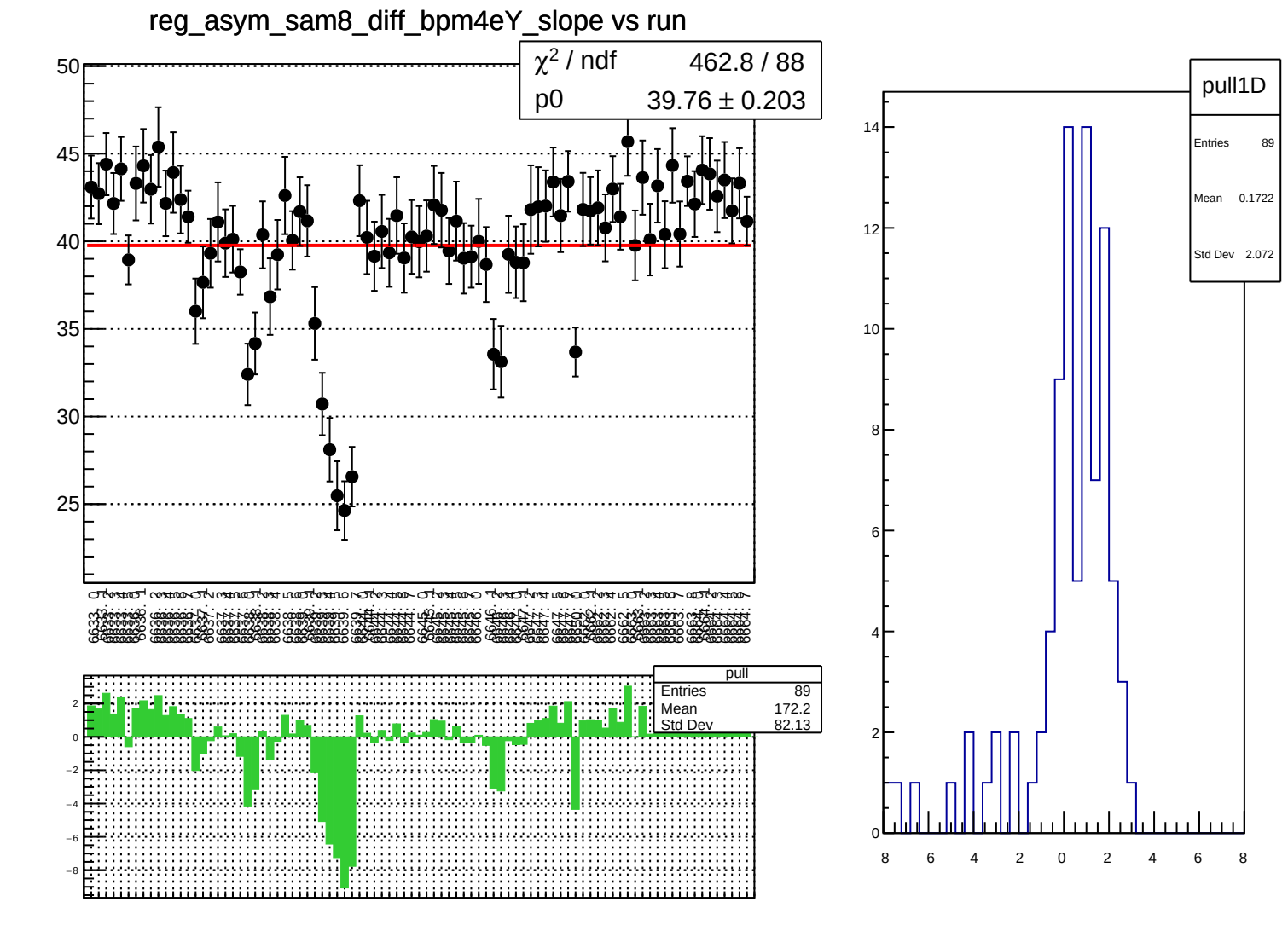

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 1625 / 88
p0 4.698 ± 0.2404
pull
Entries 89
Mean 216.5
Std Dev 161.4

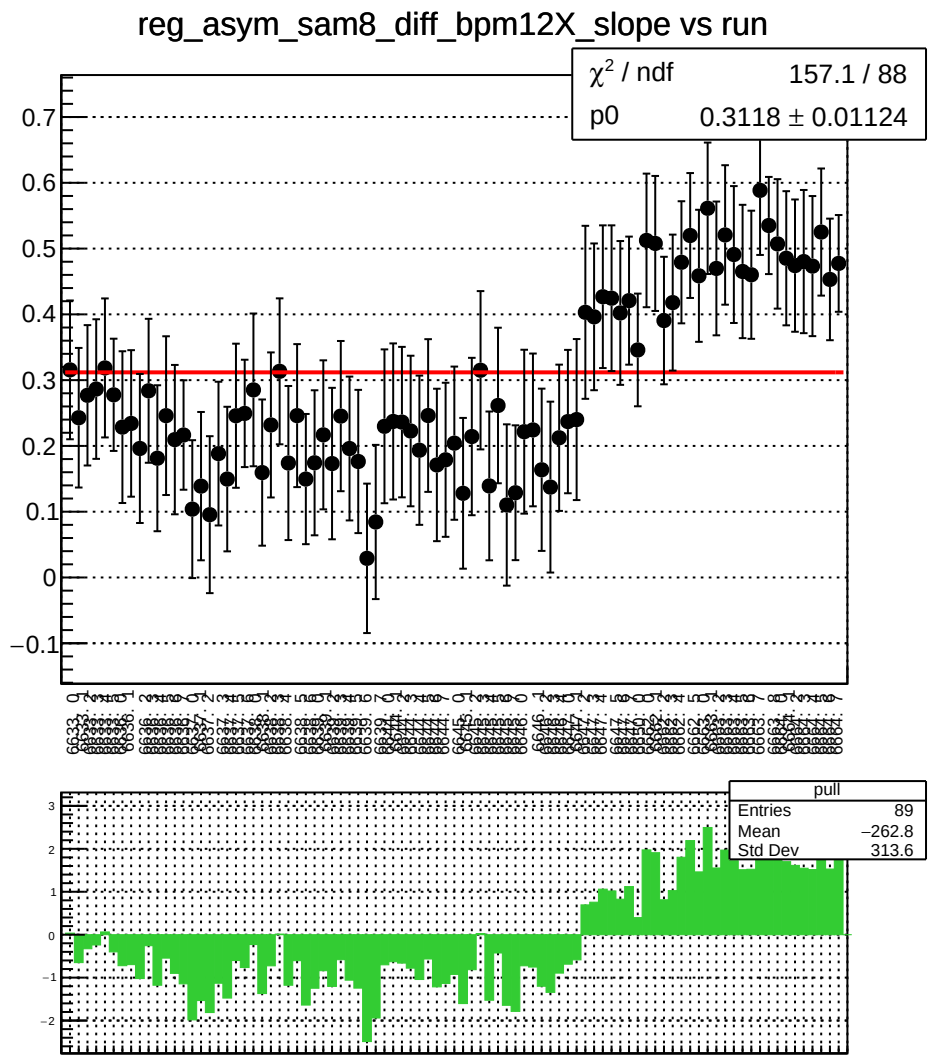

pull1D
Entries 89
Mean 1.216
Std Dev 2.454

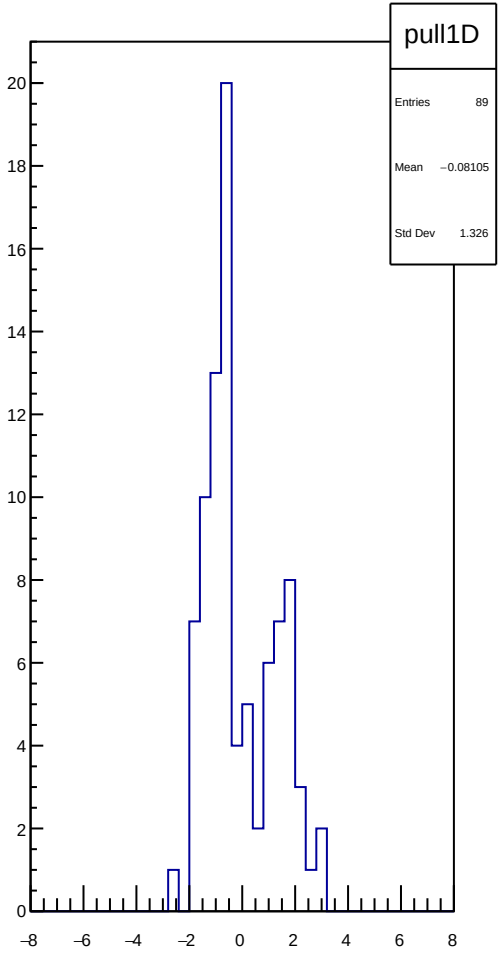

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 458.7 / 88
p0 −37.94 ± 0.1711
−25
−30
−35
−40
−45
pull
Entries 89
Mean 269.4
Std Dev 210.2
8
6
4
2
0
−2
pull1D
Entries 89
Mean −0.1805
Std Dev 2.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

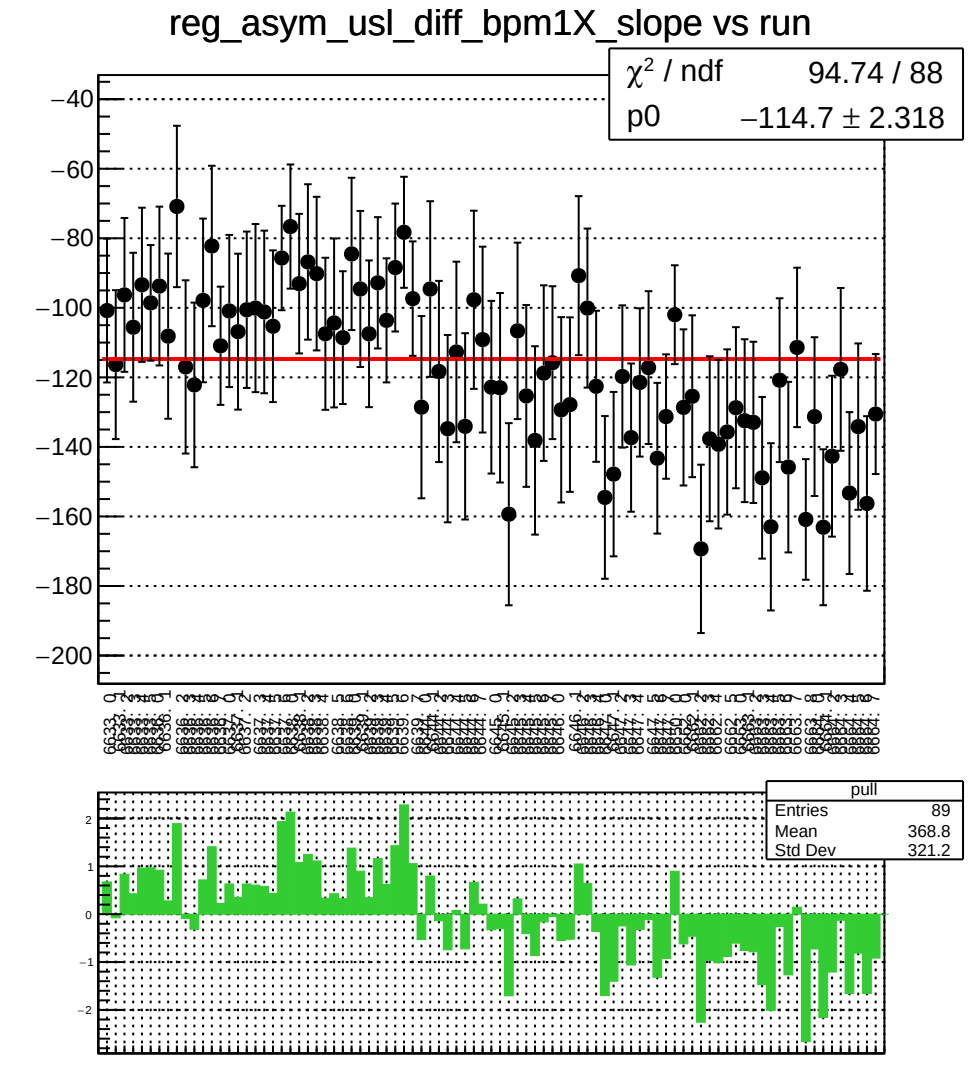

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 1511 / 88
p0 −32.29 ± 0.2572
pull
Entries 89
Mean 192.6
Std Dev 137.4

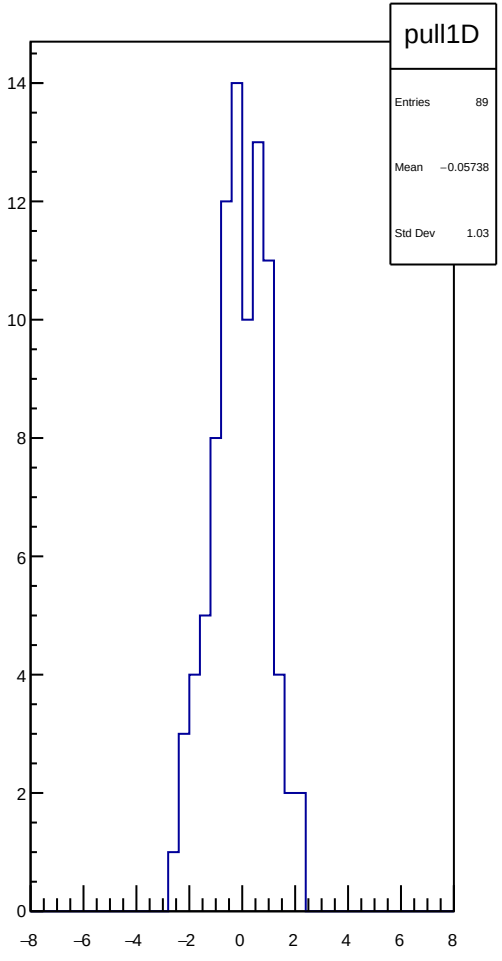

pull1D
Entries 89
Mean −1.215
Std Dev 2.345

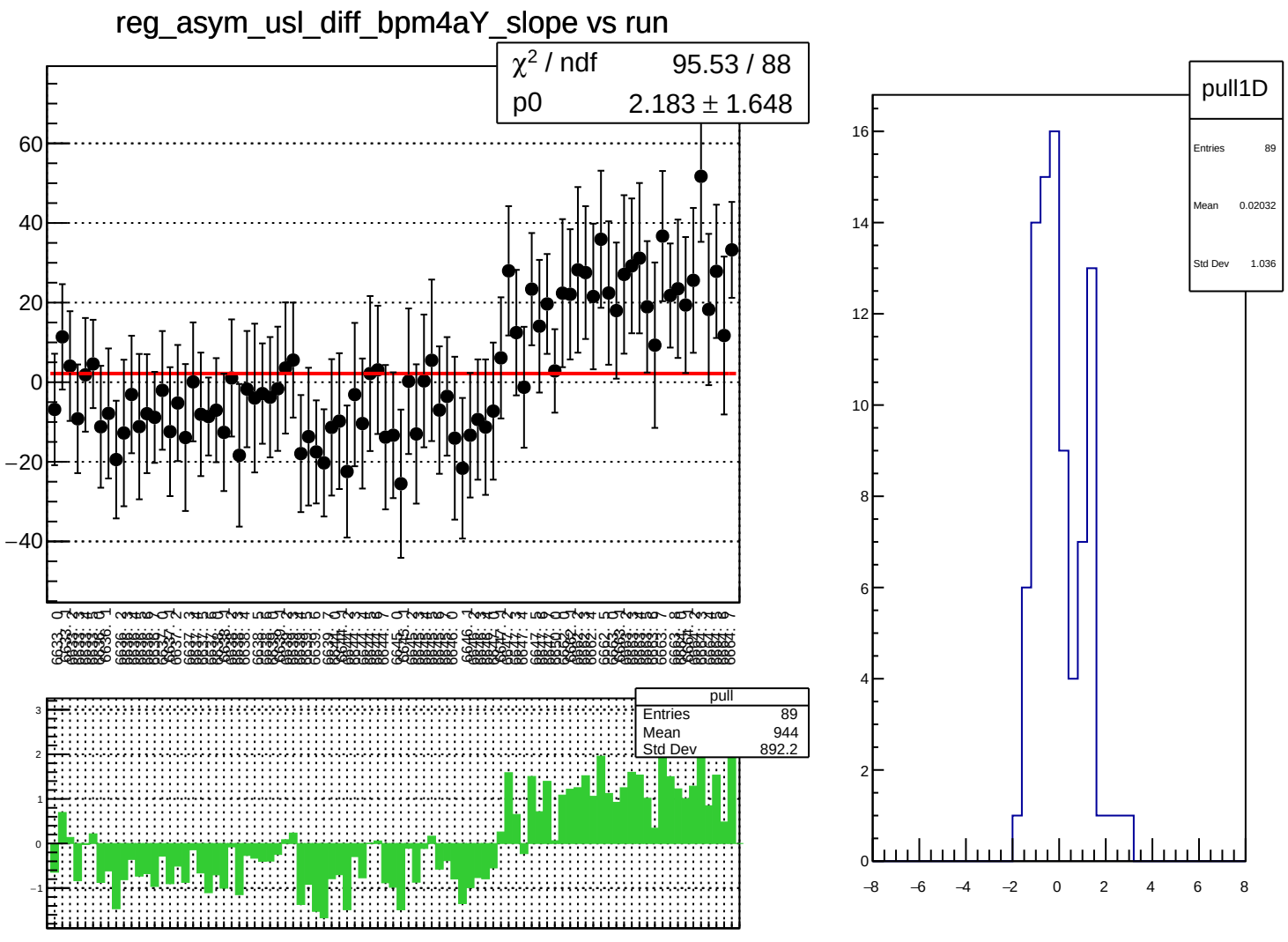

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 462.8 / 88
p0 39.76 ± 0.203
pull
Entries 89
Mean 172.2
Std Dev 82.13
pull1D
Entries 89
Mean 0.1722
Std Dev 2.072

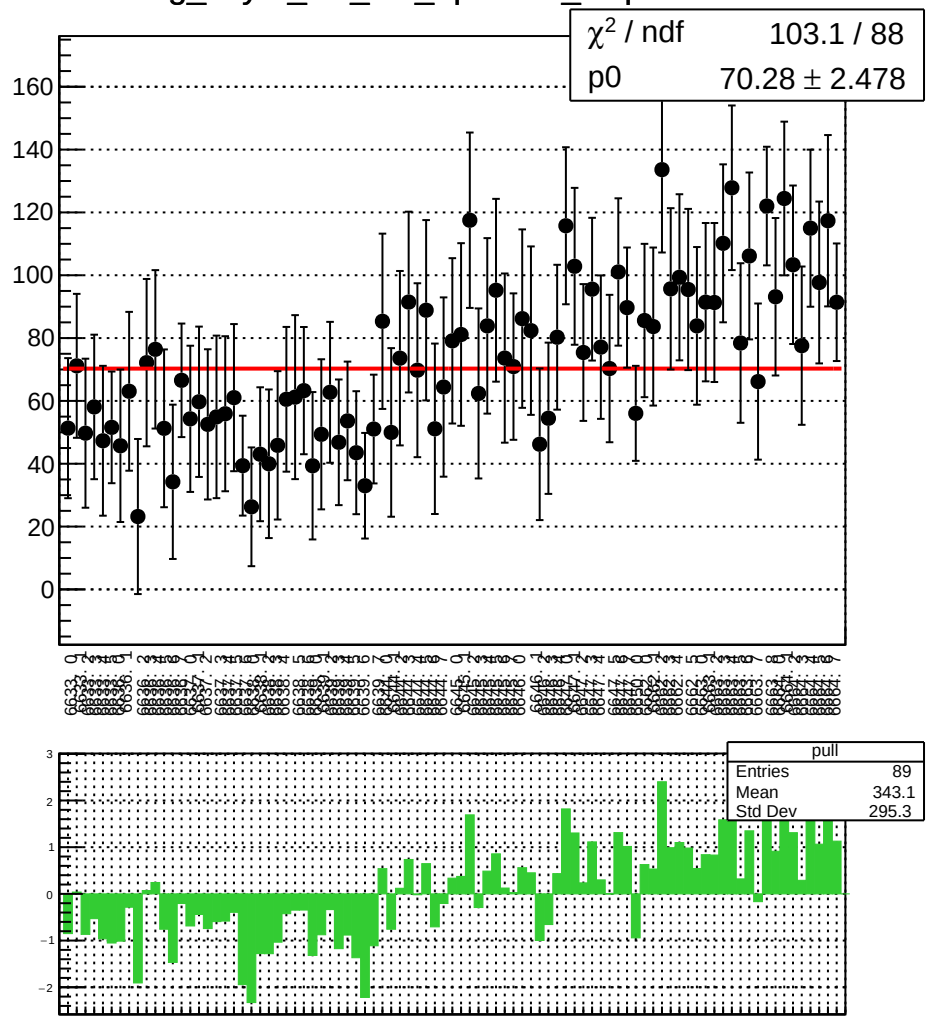

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 157.1 / 88
p0 0.3118 ± 0.01124
pull
Entries 89
Mean −262.8
Std Dev 313.6

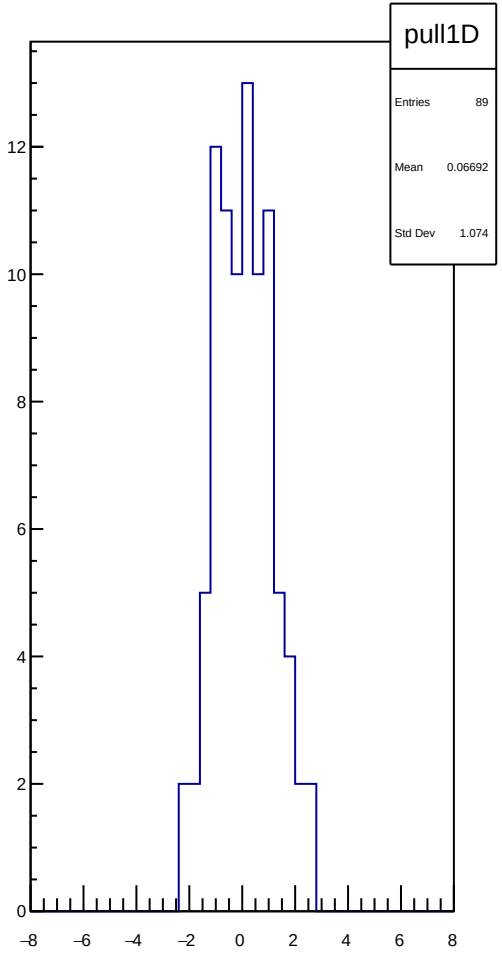

pull1D
Entries 89
Mean −0.08105
Std Dev 1.326

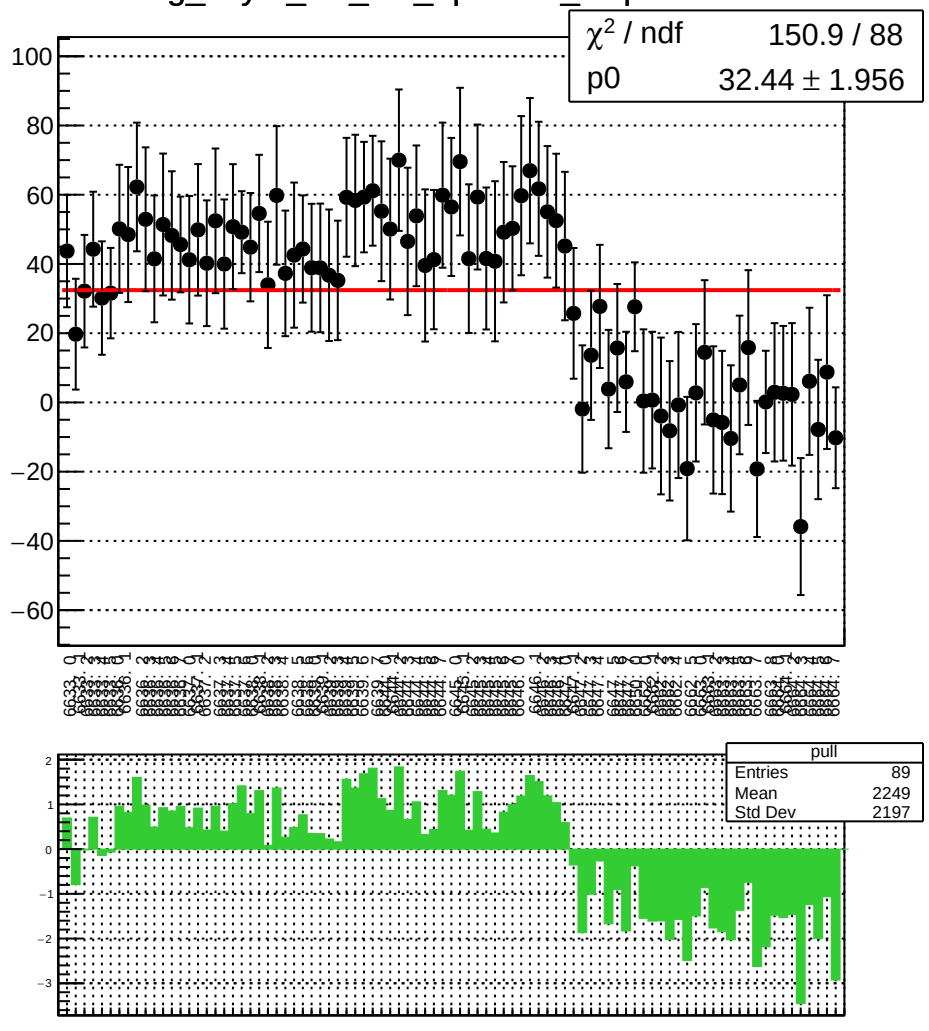

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 94.74 / 88
p0 −114.7 ± 2.318
pull
Entries 89
Mean 368.8
Std Dev 321.2

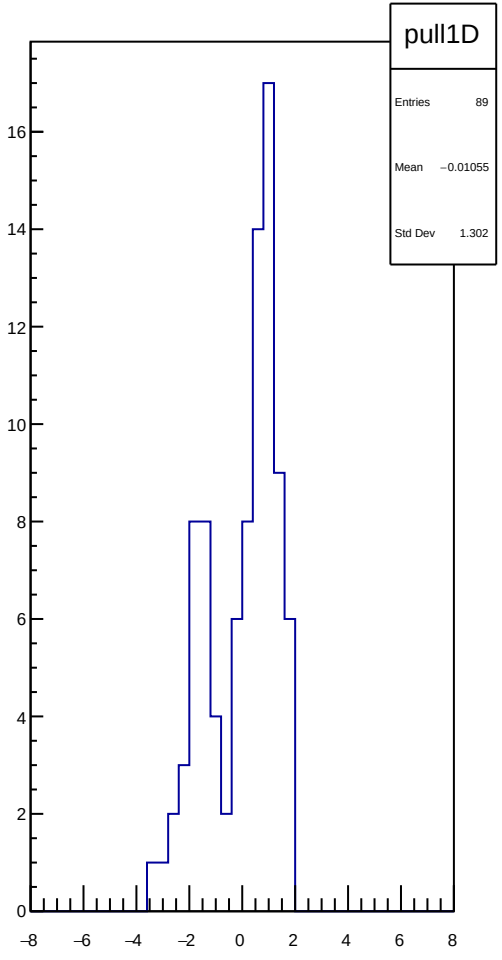

pull1D
Entries 89
Mean −0.05738
Std Dev 1.03

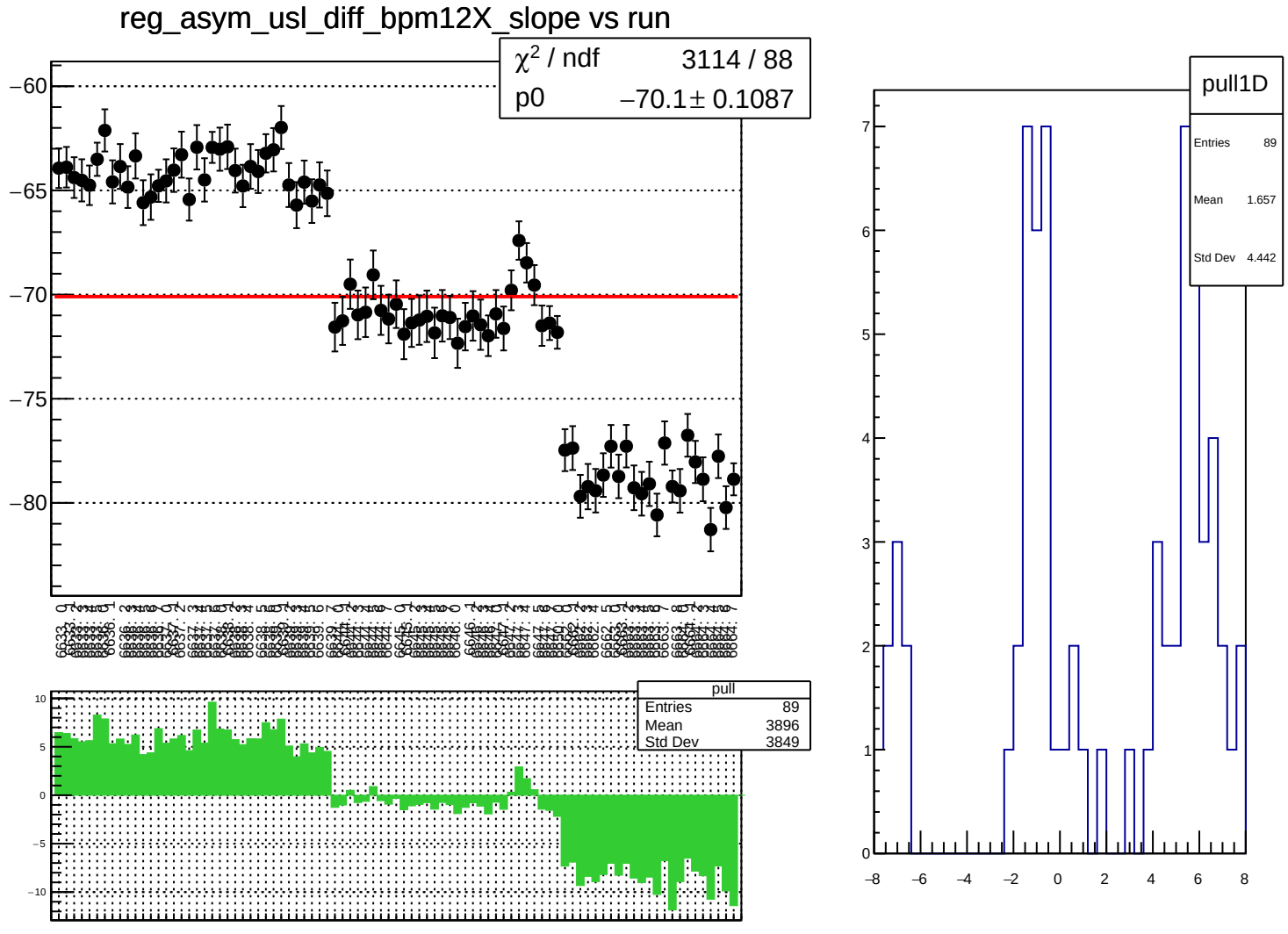

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 95.53 / 88
p0 2.183 ± 1.648
60
40
20
0
−20
−40
pull
Entries 89
Mean 944
Std Dev 892.2
3
2
1
0
−1
pull1D
Entries 89
Mean 0.02032
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

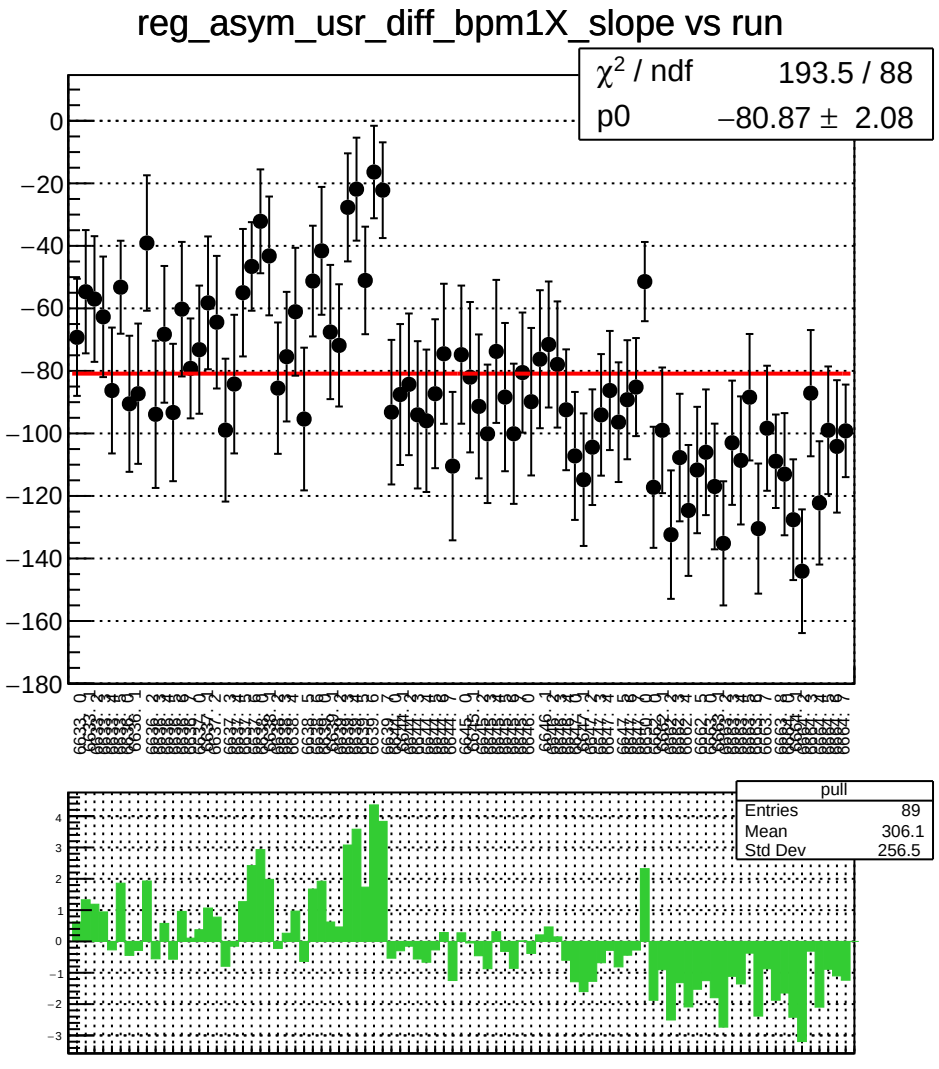

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 103.1 / 88
p0 70.28 ± 2.478
pull
Entries 89
Mean 343.1
Std Dev 295.3

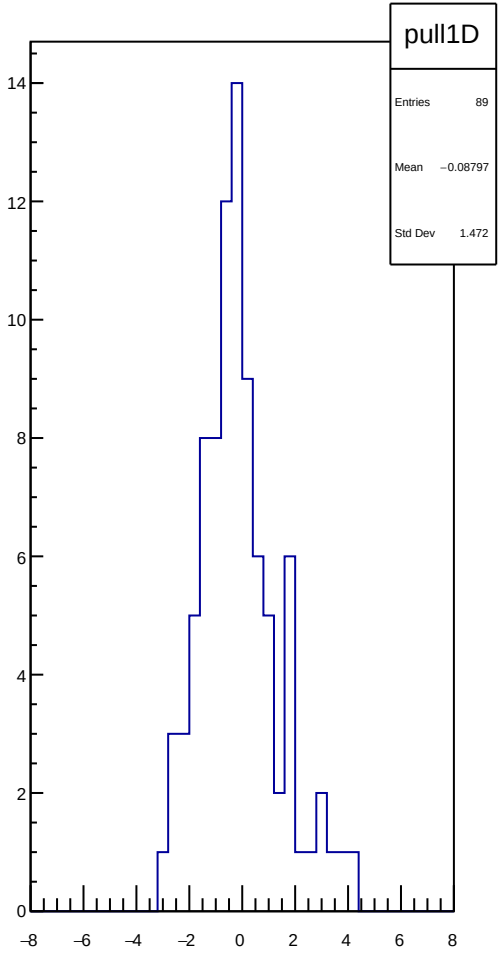

pull1D
Entries 89
Mean 0.06692
Std Dev 1.074

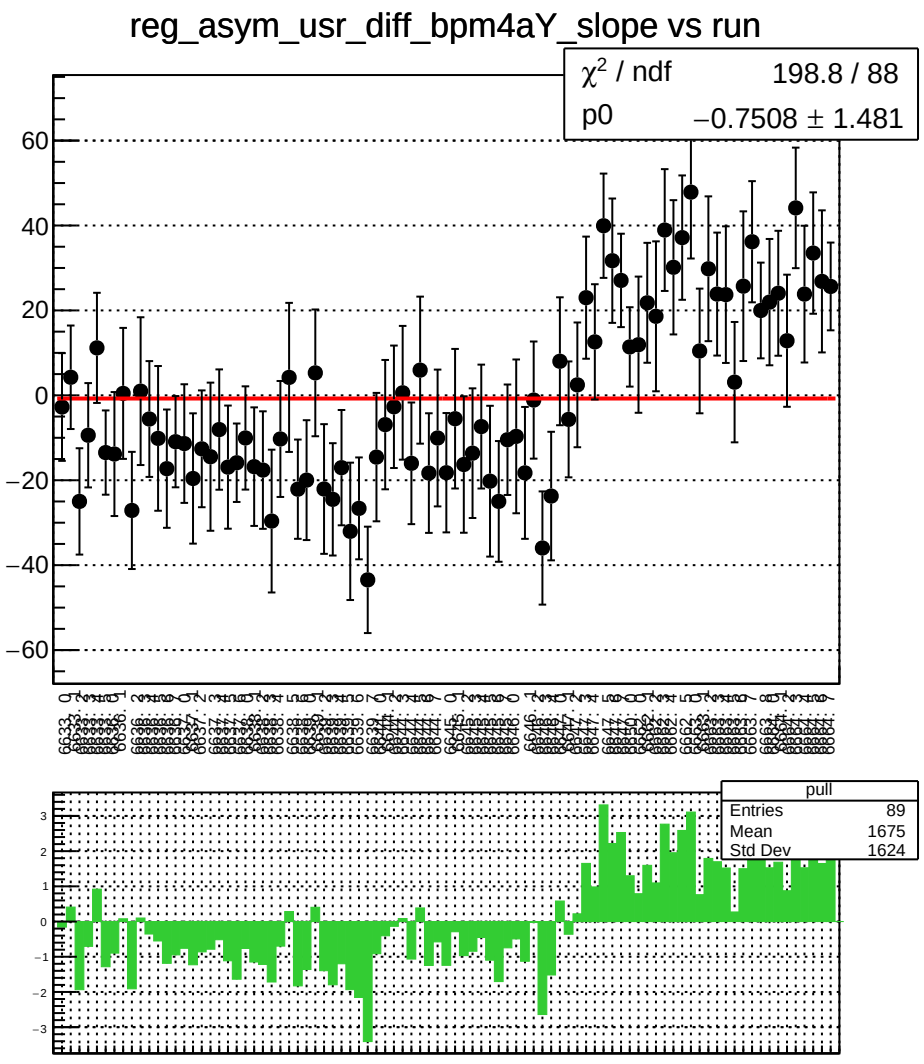

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 150.9 / 88
p0 32.44 ± 1.956
pull
Entries 89
Mean 2249
Std Dev 2197

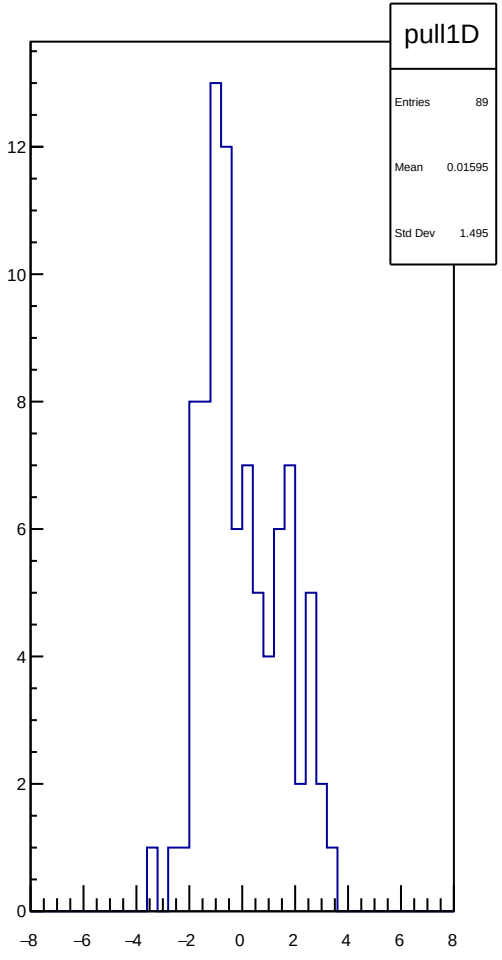

pull1D
Entries 89
Mean −0.01055
Std Dev 1.302

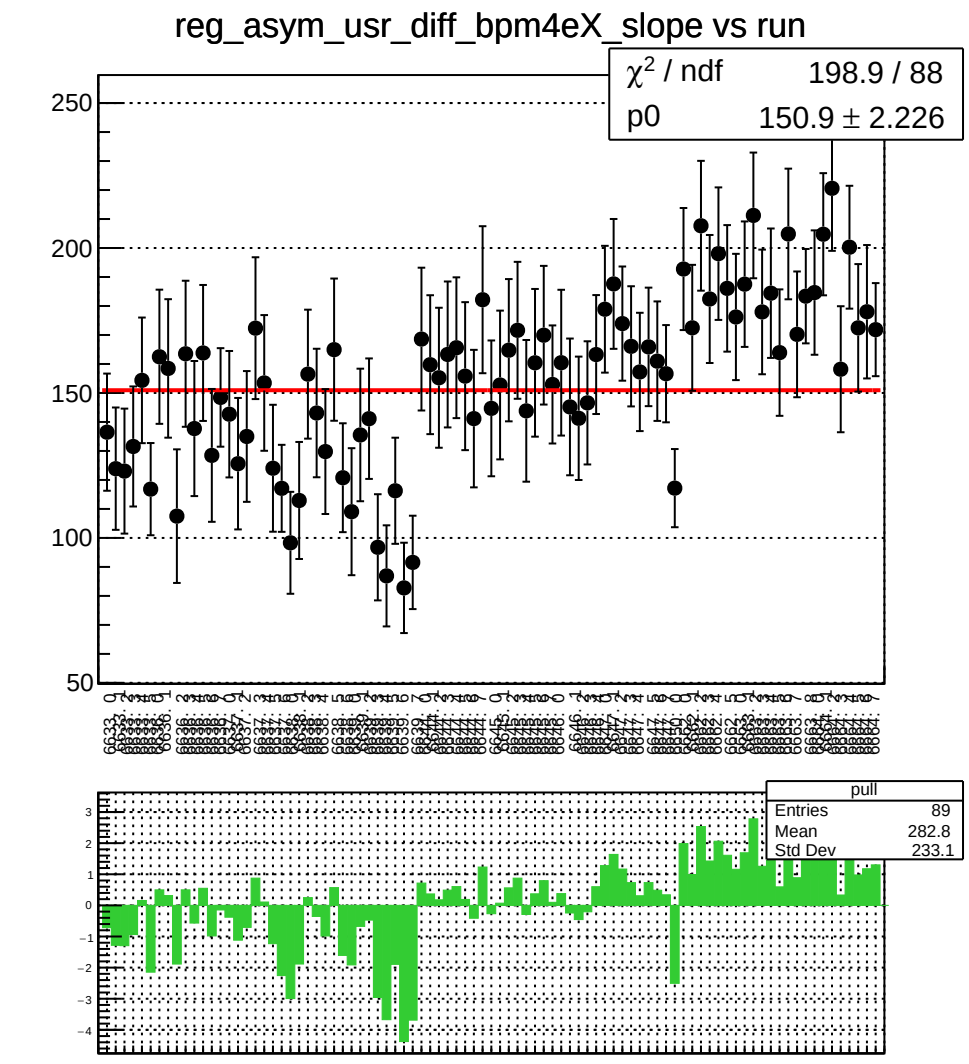

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 3114 / 88
p0 −70.1 ± 0.1087
−60
−65
−70
−75
−80
pull
Entries 89
Mean 3896
Std Dev 3849
10
5
0
−5
−10
pull1D
Entries 89
Mean 1.657
Std Dev 4.442
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

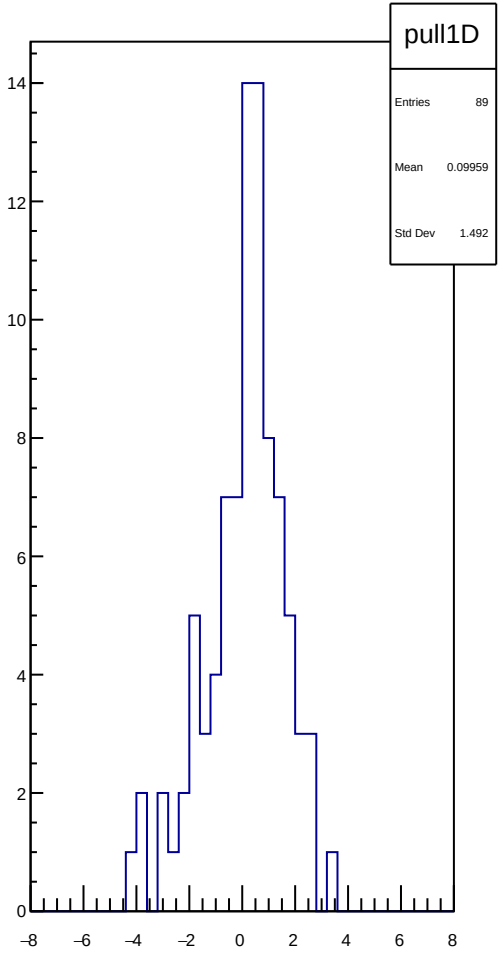

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 193.5 / 88
p0 −80.87 ± 2.08
pull
Entries 89
Mean 306.1
Std Dev 256.5

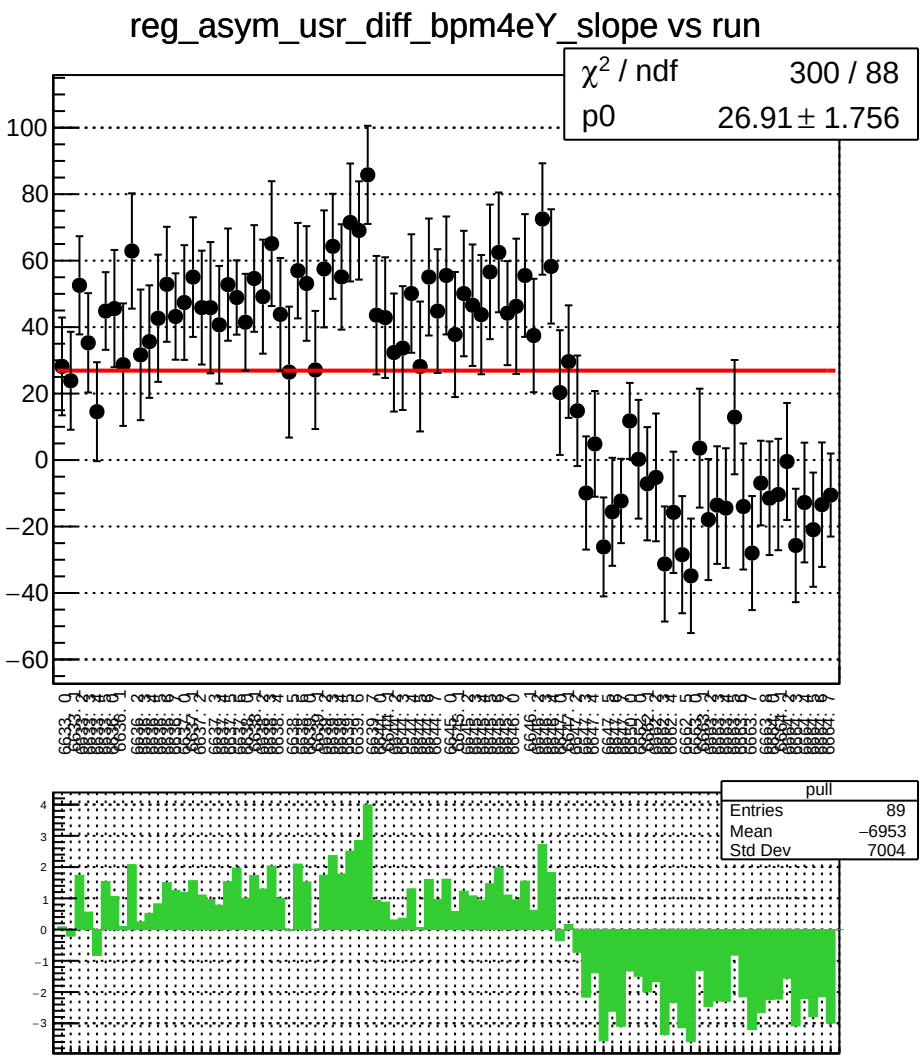

pull1D
Entries 89
Mean −0.08797
Std Dev 1.472

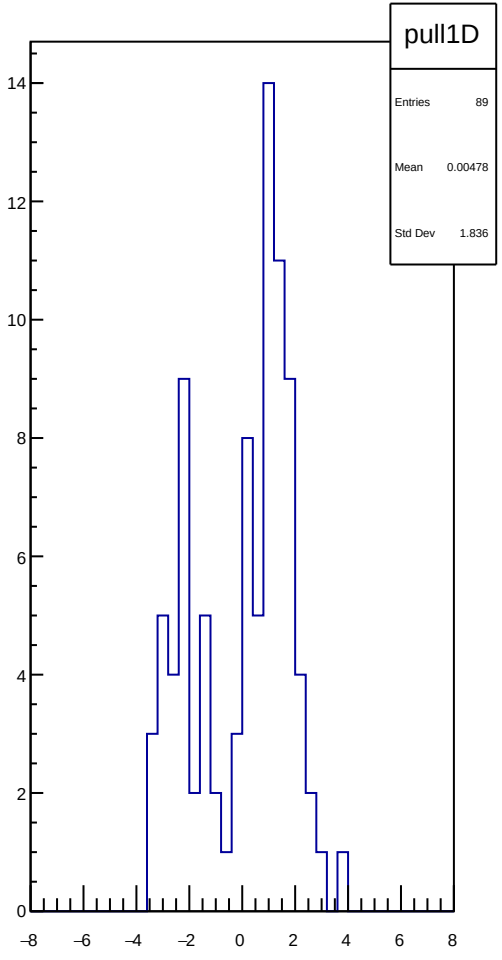

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 198.8 / 88
p0 −0.7508 ± 1.481
pull
Entries 89
Mean 1675
Std Dev 1624

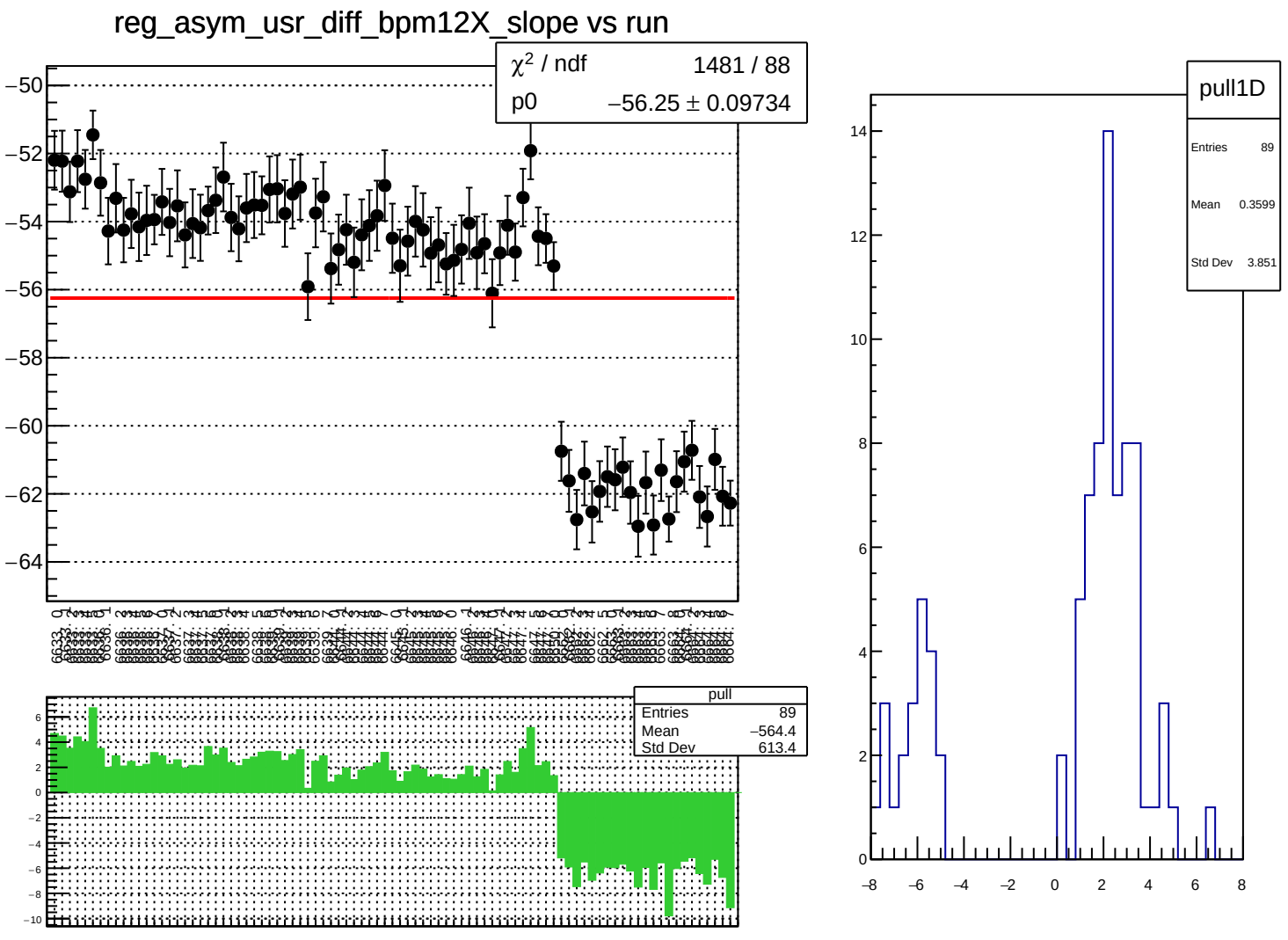

pull1D
Entries 89
Mean 0.01595
Std Dev 1.495

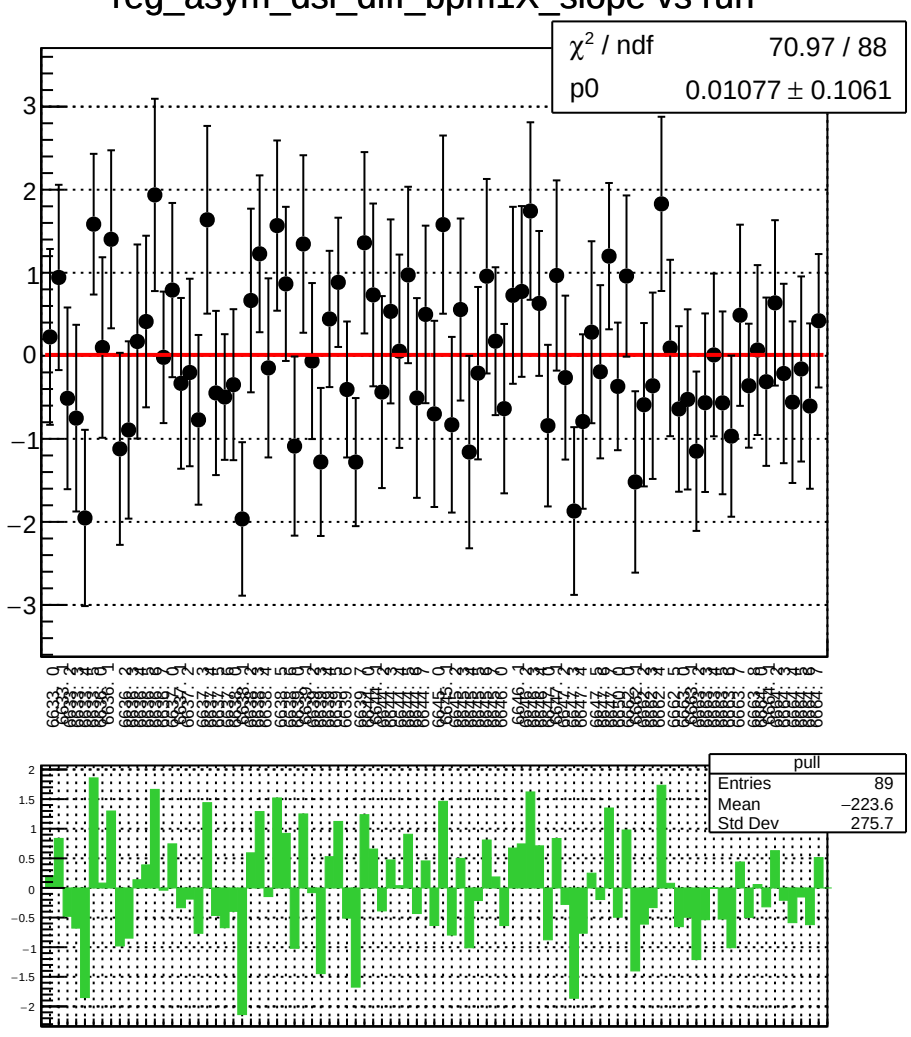

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 198.9 / 88
p0 150.9 ± 2.226
250
200
150
100
50
pull
Entries 89
Mean 282.8
Std Dev 233.1
3
2
1
0
−1
−2
−3
−4

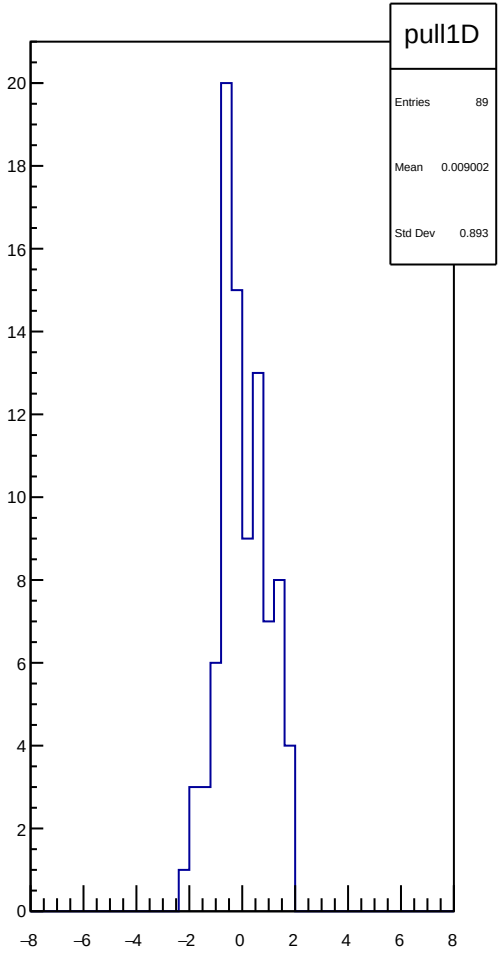

pull1D
Entries 89
Mean 0.09959
Std Dev 1.492
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

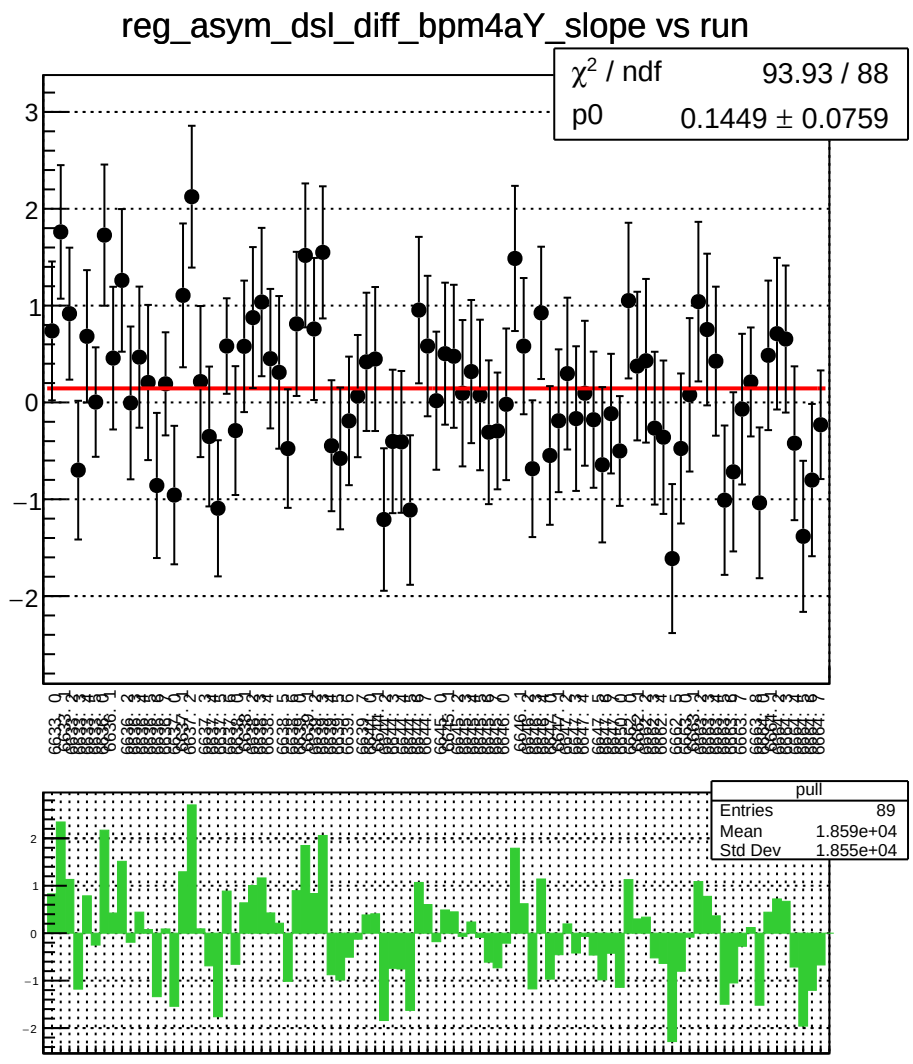

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 300 / 88
p0 26.91 ± 1.756
pull
Entries 89
Mean −6953
Std Dev 7004

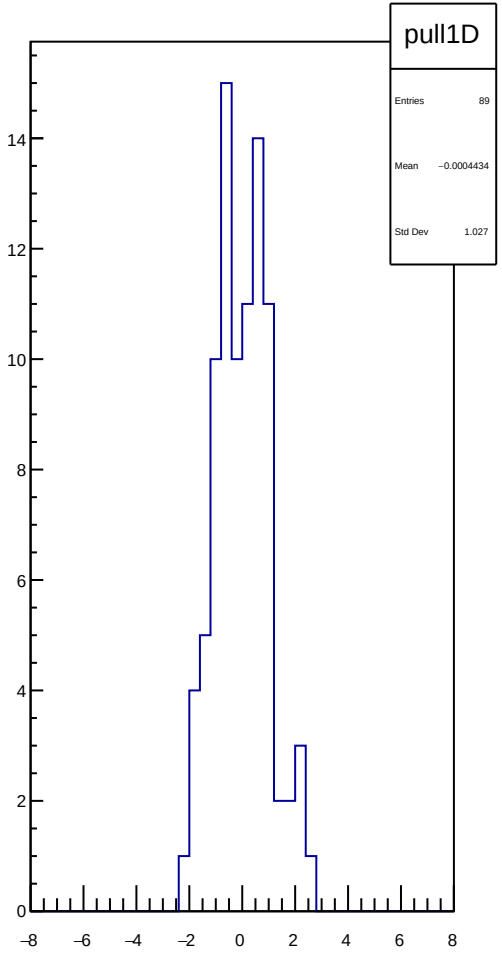

pull1D
Entries 89
Mean 0.00478
Std Dev 1.836

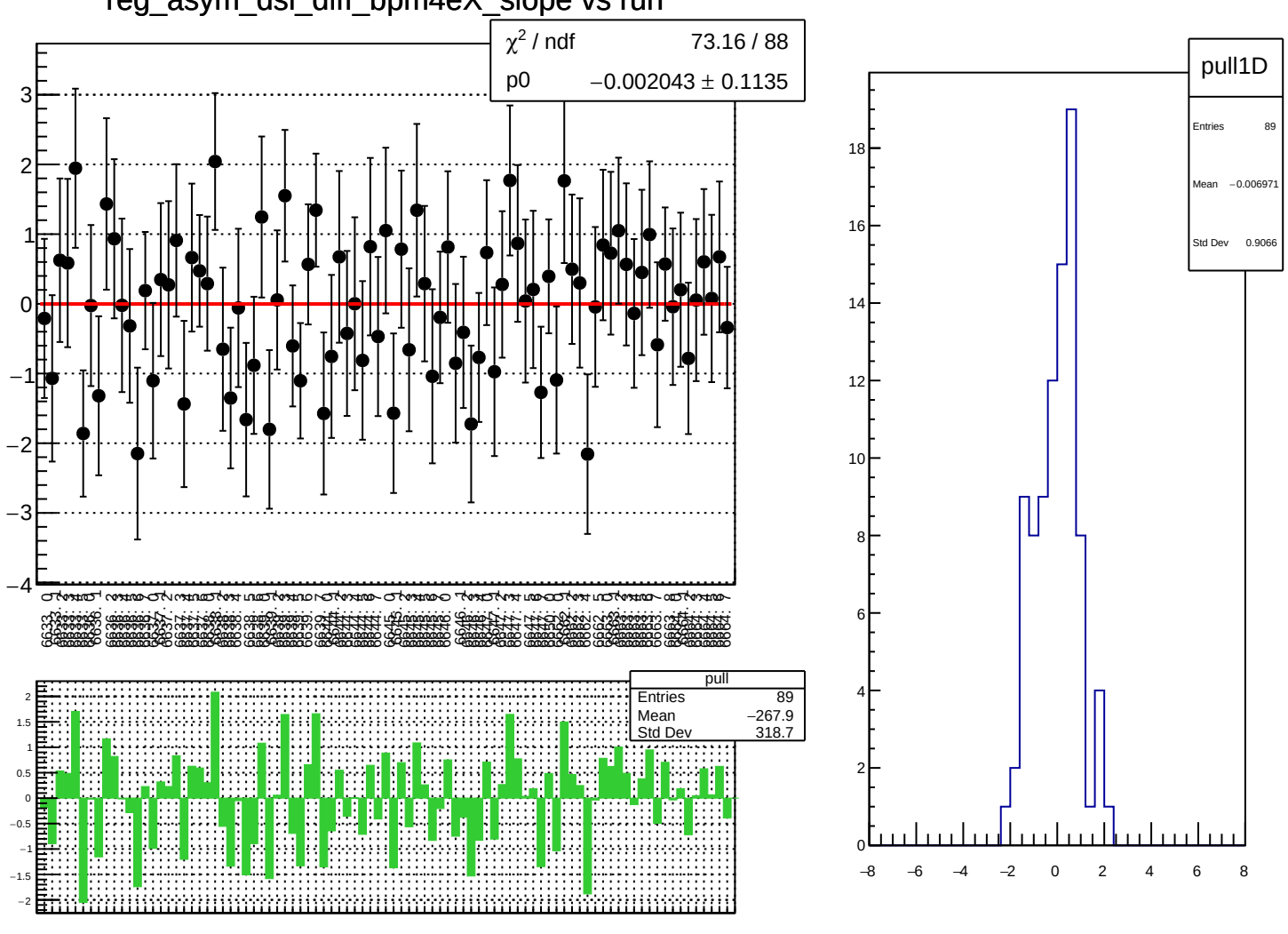

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 1481 / 88
p0 −56.25 ± 0.09734
pull
Entries 89
Mean −564.4
Std Dev 613.4
pull1D
Entries 89
Mean 0.3599
Std Dev 3.851

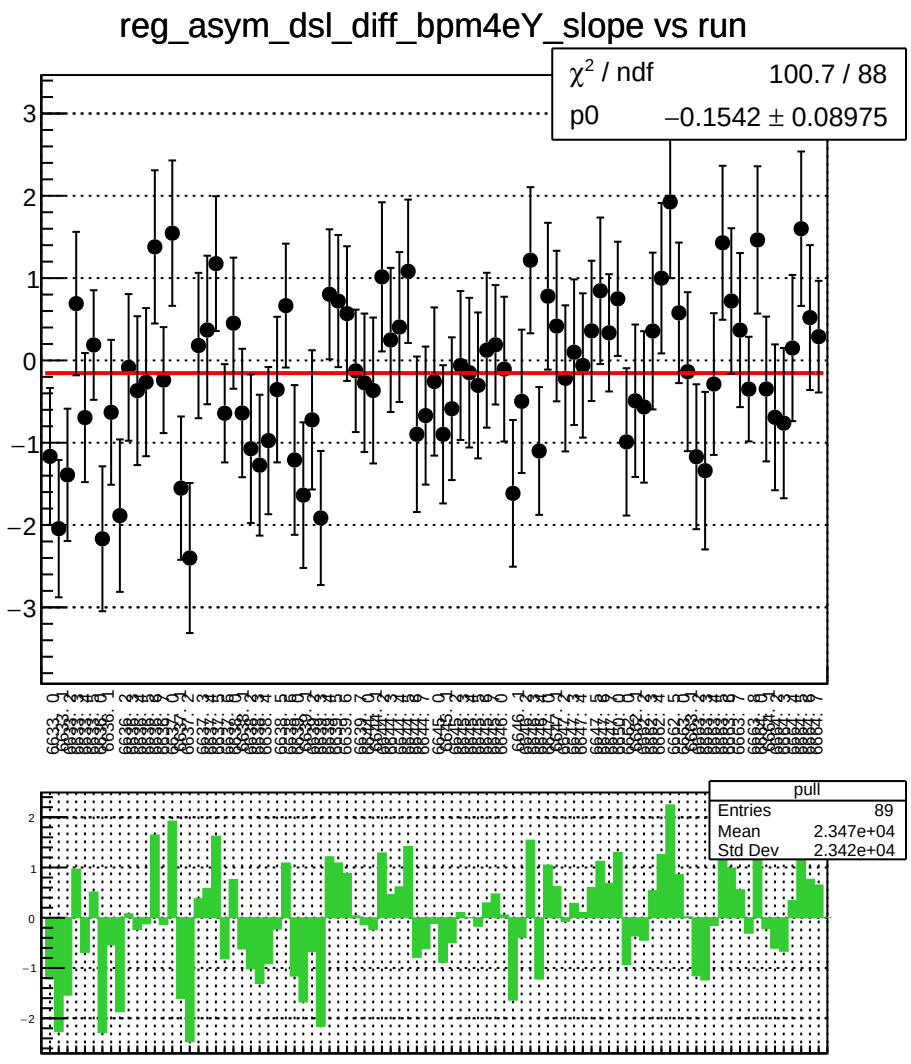

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 70.97 / 88
p0 0.01077 ± 0.1061
pull
Entries 89
Mean −223.6
Std Dev 275.7

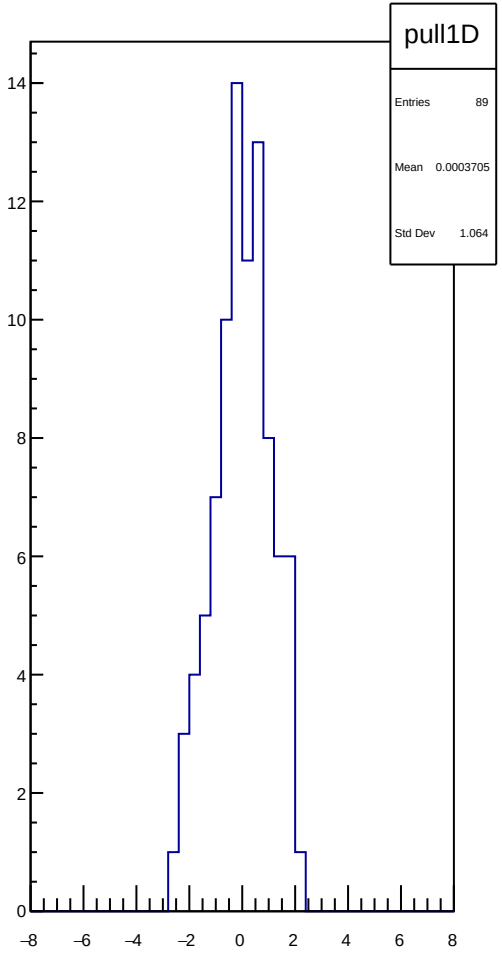

pull1D
Entries 89
Mean 0.009002
Std Dev 0.893

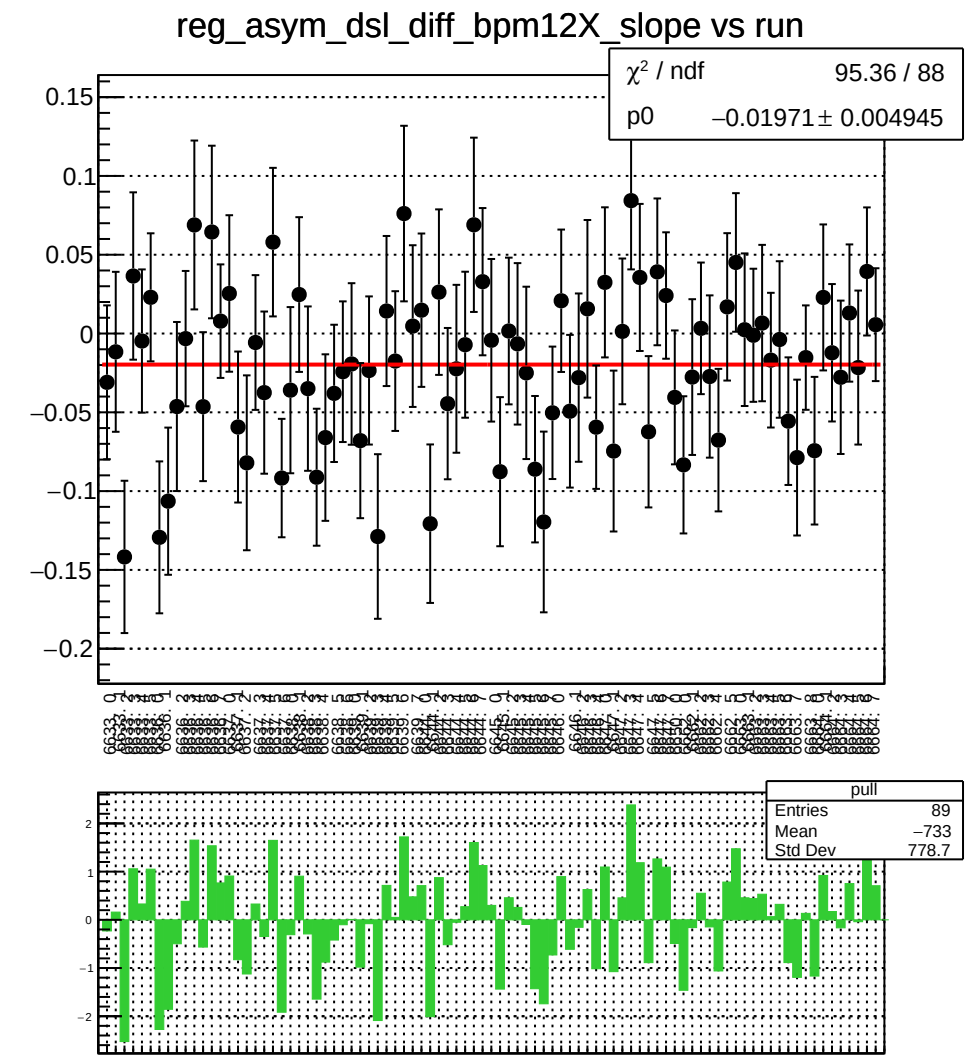

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 93.93 / 88
p0 0.1449 ± 0.0759
pull
Entries 89
Mean 1.859e+04
Std Dev 1.855e+04

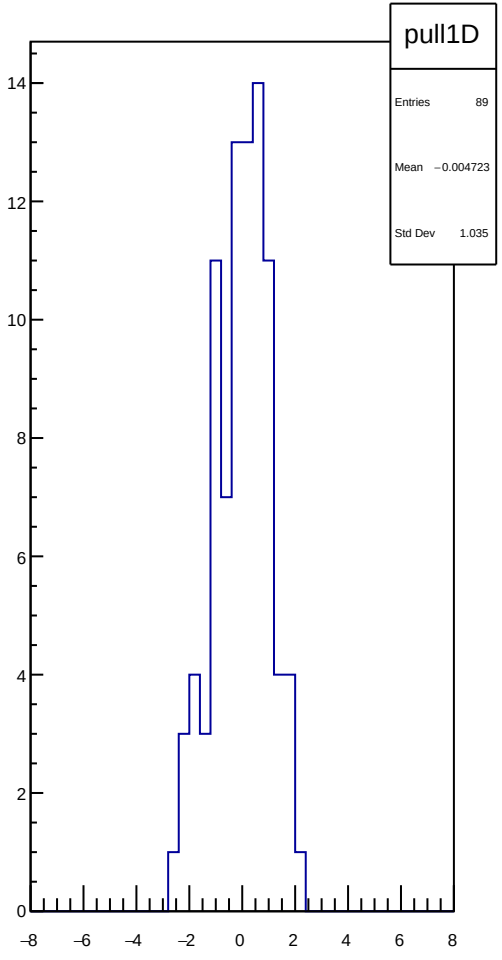

pull1D
Entries 89
Mean −0.0004434
Std Dev 1.027

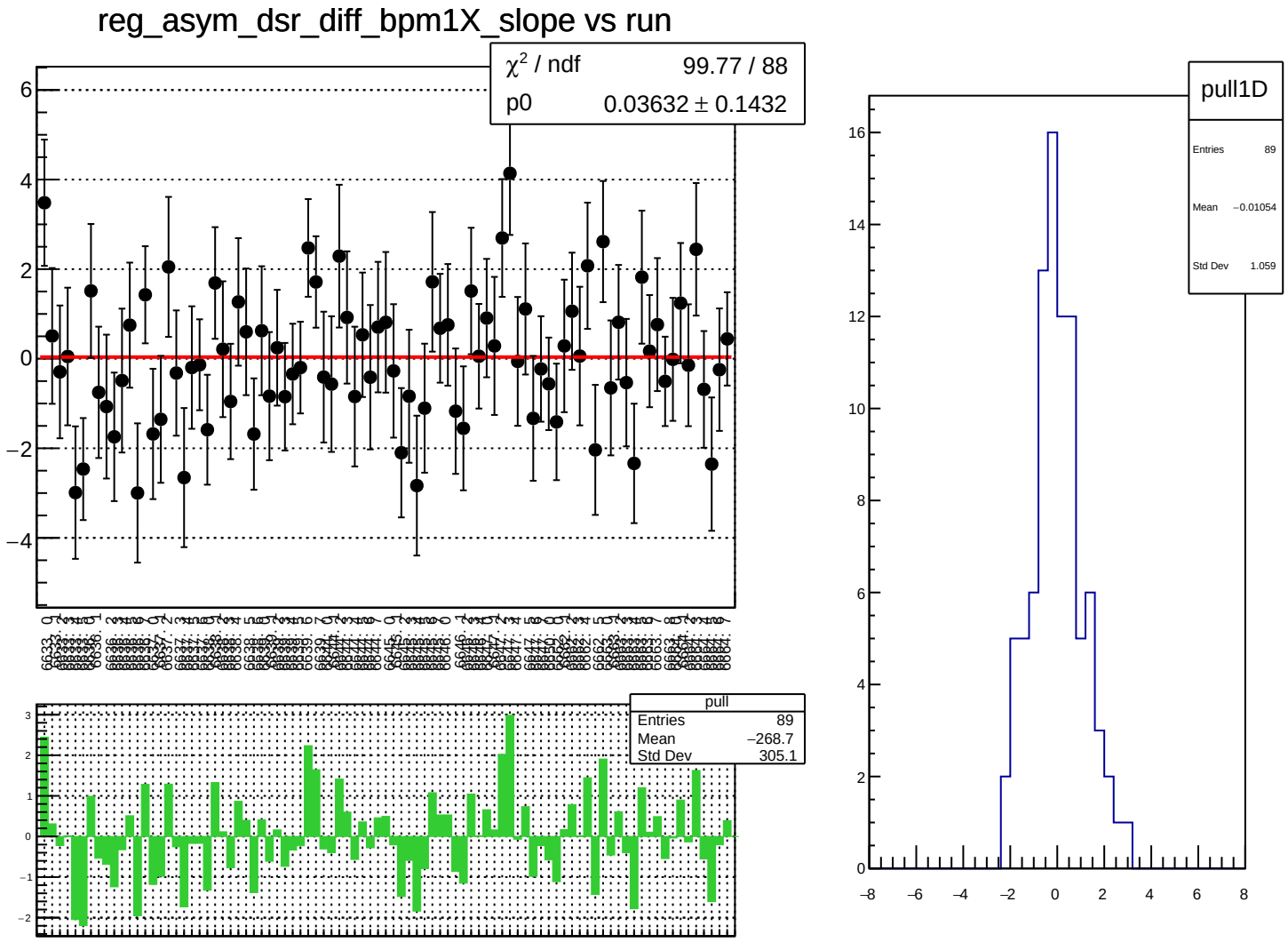

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 73.16 / 88
p0 −0.002043 ± 0.1135
pull
Entries 89
Mean −267.9
Std Dev 318.7
pull1D
Entries 89
Mean −0.006971
Std Dev 0.9066

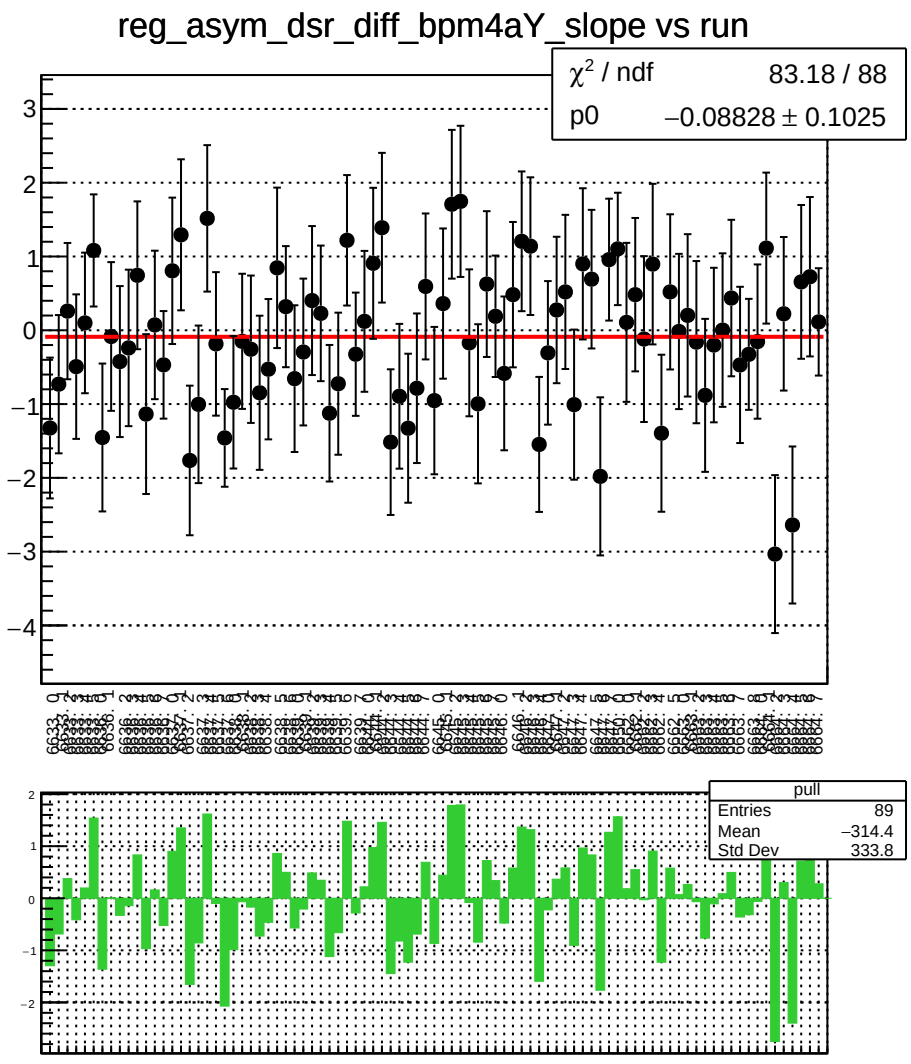

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 100.7 / 88
p0 −0.1542 ± 0.08975
pull
Entries 89
Mean 2.347e+04
Std Dev 2.342e+04

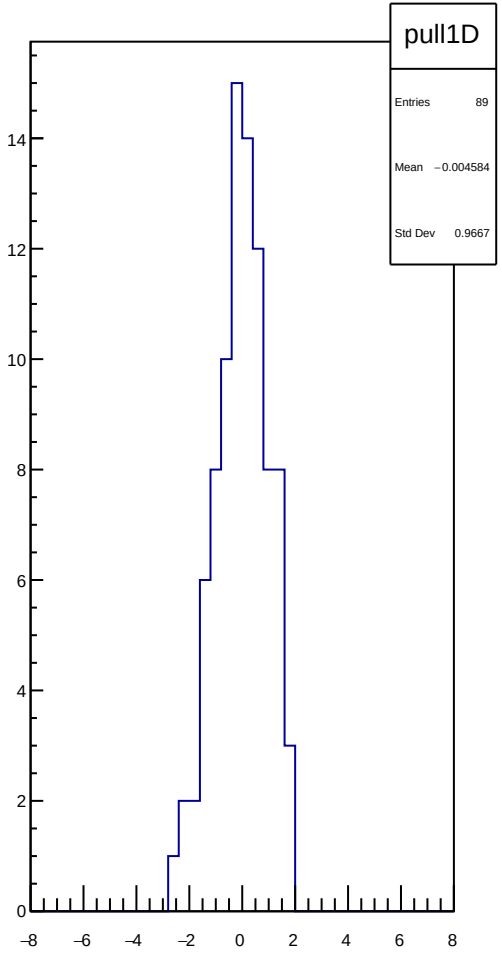

pull1D
Entries 89
Mean 0.0003705
Std Dev 1.064

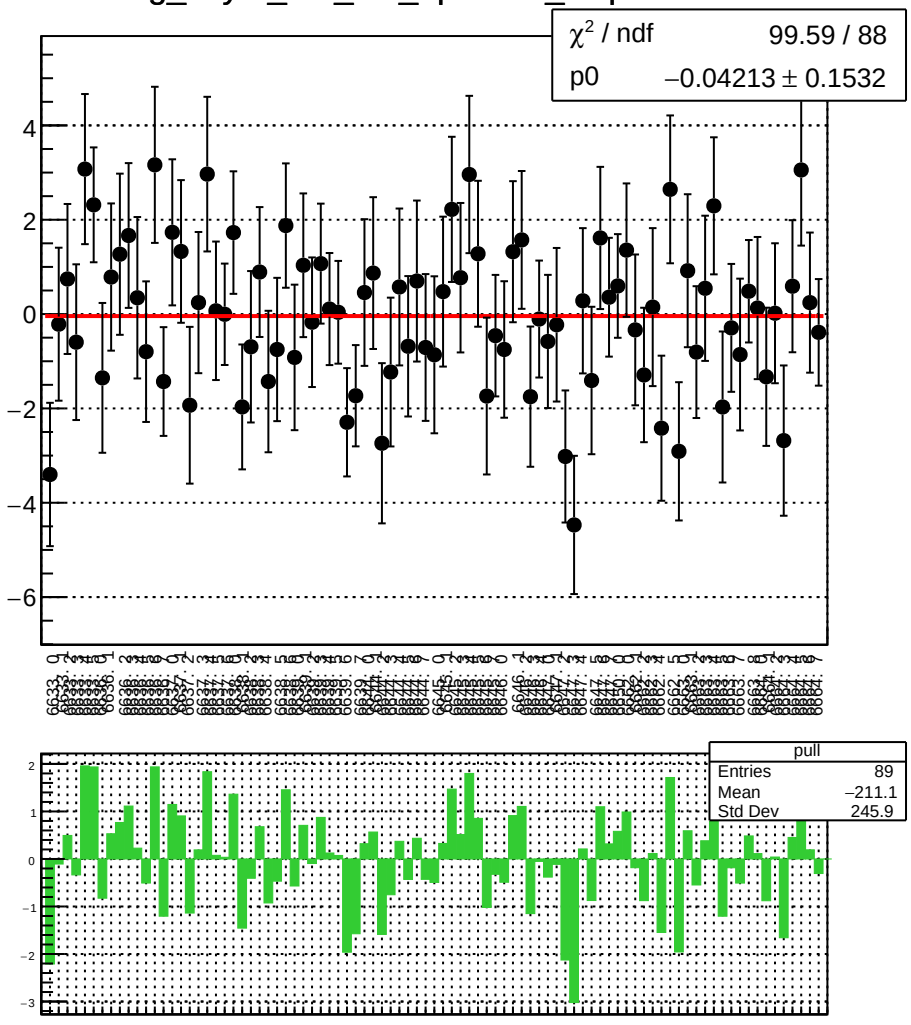

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 95.36 / 88
p0 −0.01971 ± 0.004945
pull
Entries 89
Mean −733
Std Dev 778.7

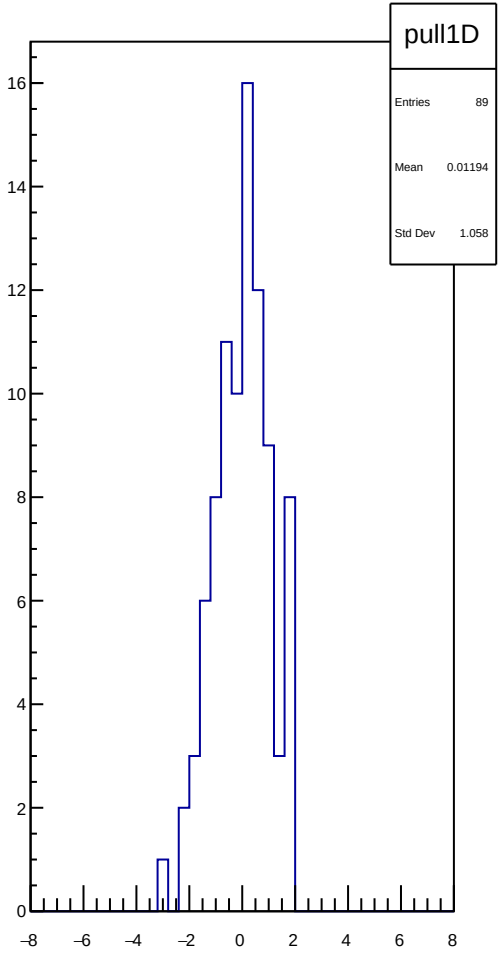

pull1D
Entries 89
Mean −0.004723
Std Dev 1.035

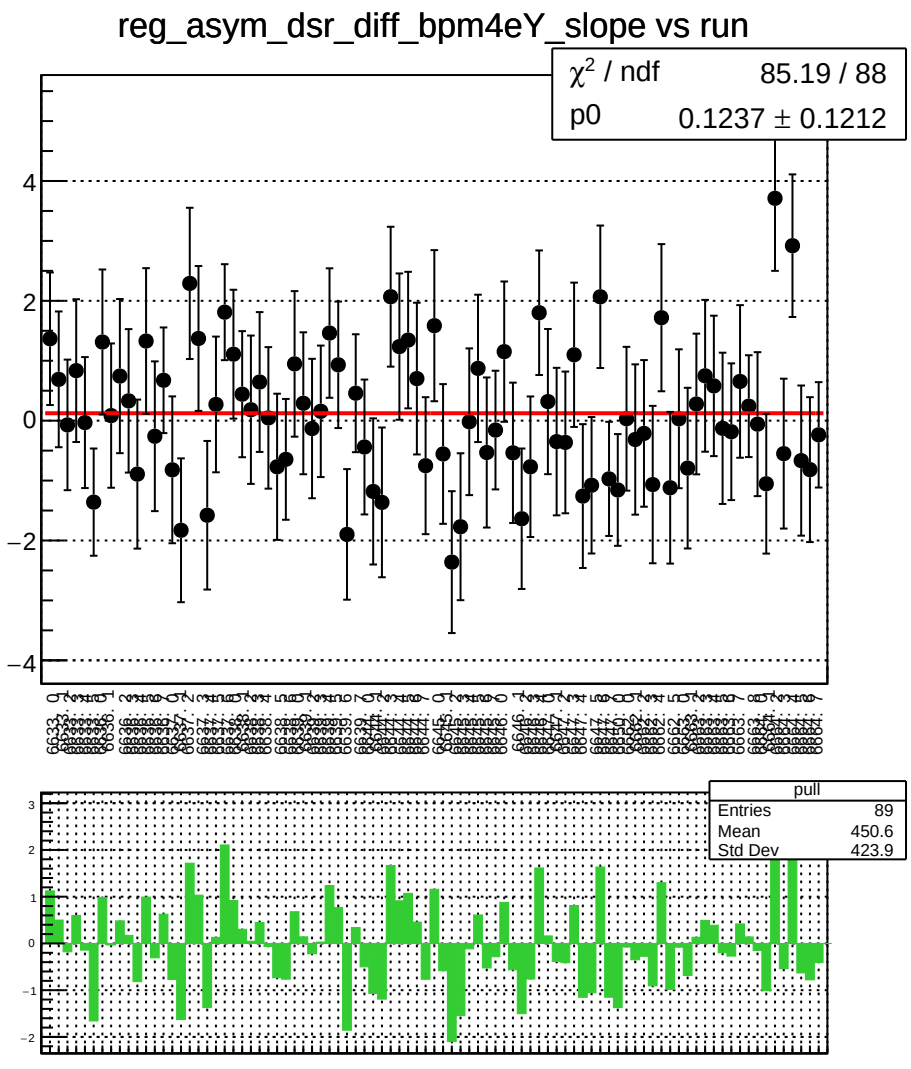

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 99.77 / 88
p0 0.03632 ± 0.1432
pull
Entries 89
Mean −268.7
Std Dev 305.1
pull1D
Entries 89
Mean −0.01054
Std Dev 1.059

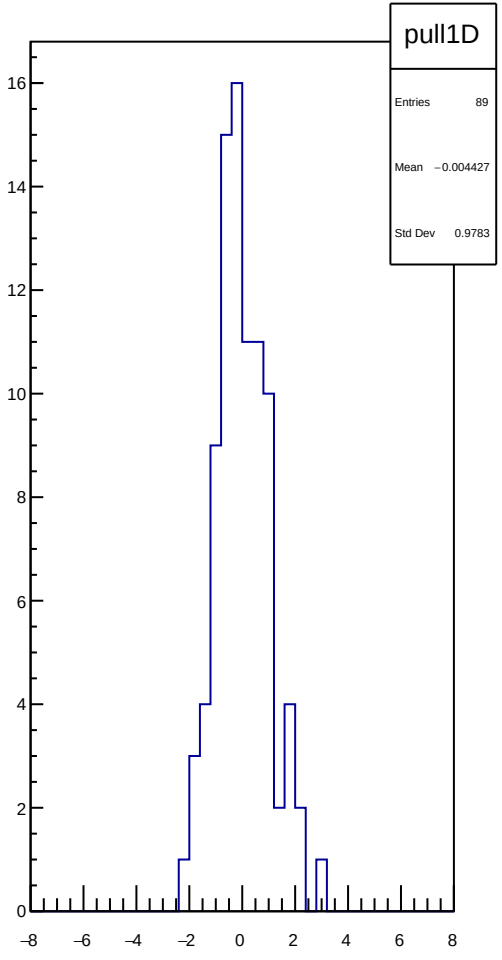

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 83.18 / 88
p0 −0.08828 ± 0.1025
pull
Entries 89
Mean −314.4
Std Dev 333.8

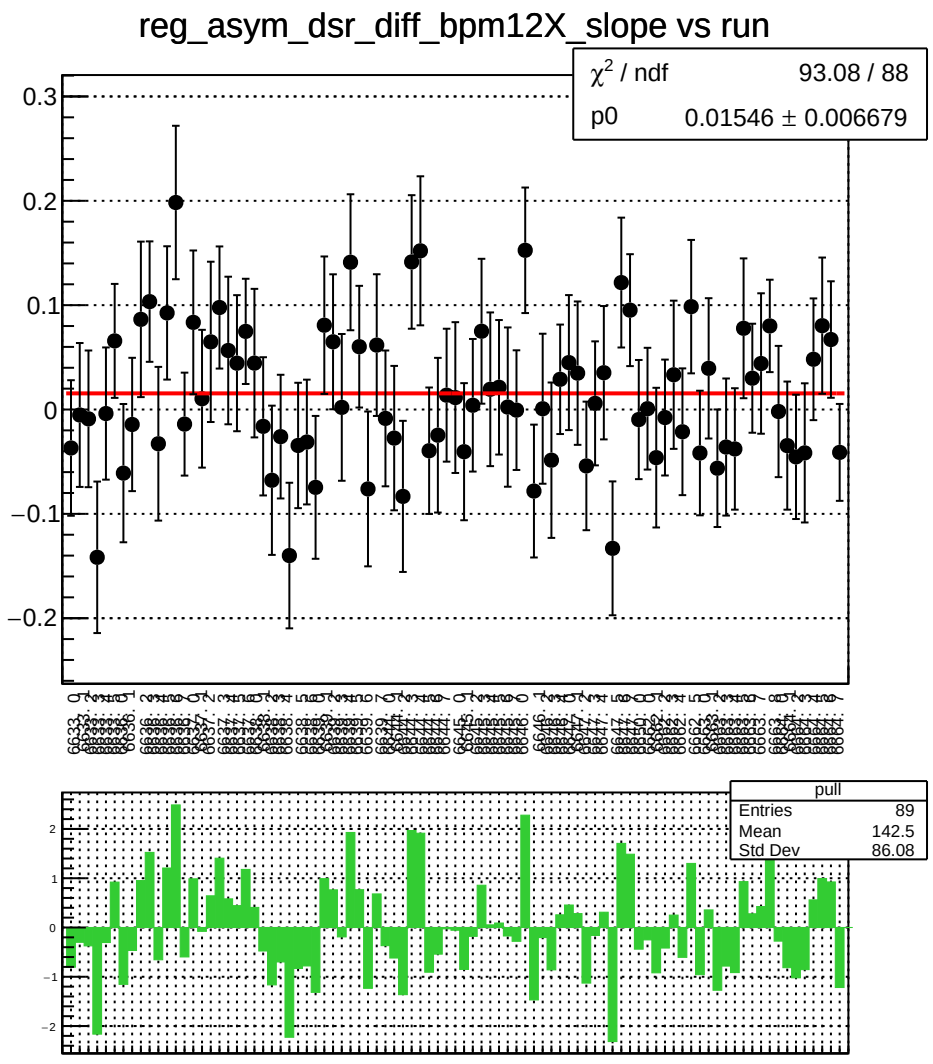

pull1D
Entries 89
Mean −0.004584
Std Dev 0.9667

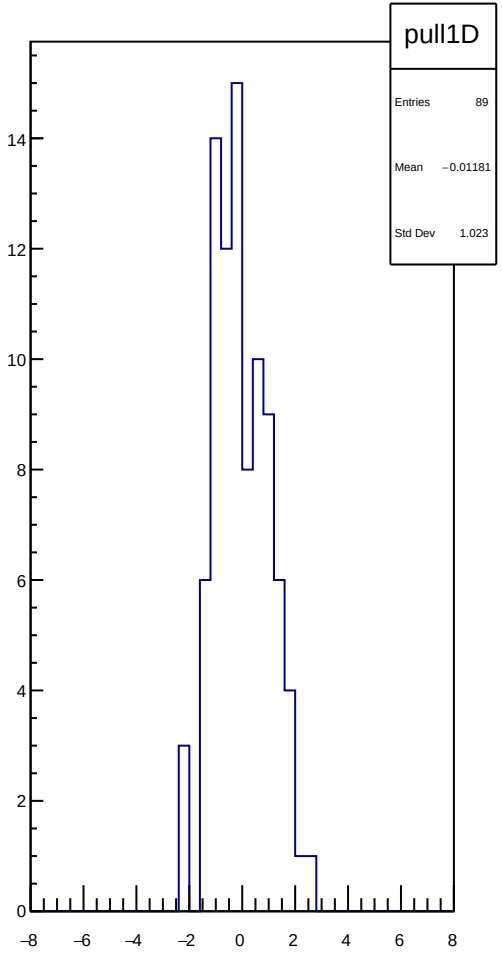

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 99.59 / 88
p0 −0.04213 ± 0.1532
pull
Entries 89
Mean −211.1
Std Dev 245.9

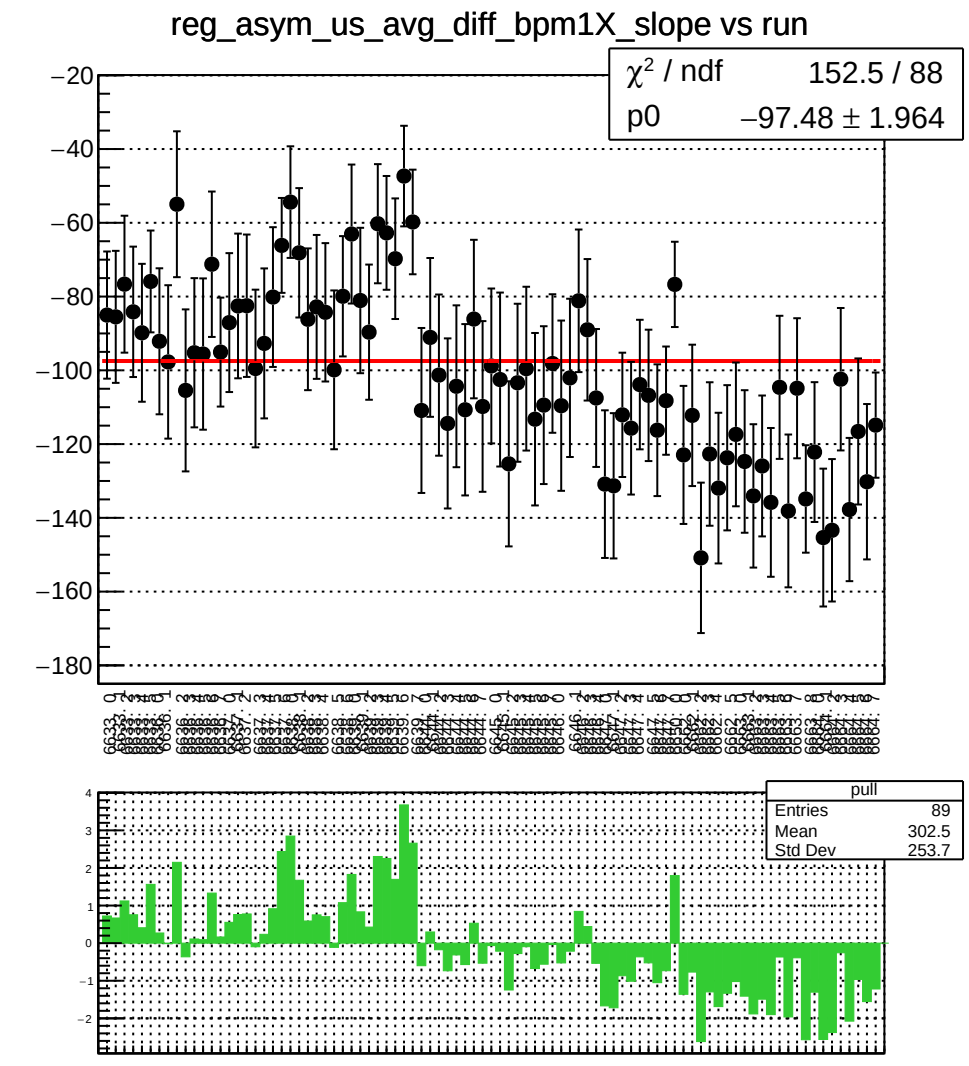

pull1D
Entries 89
Mean 0.01194
Std Dev 1.058

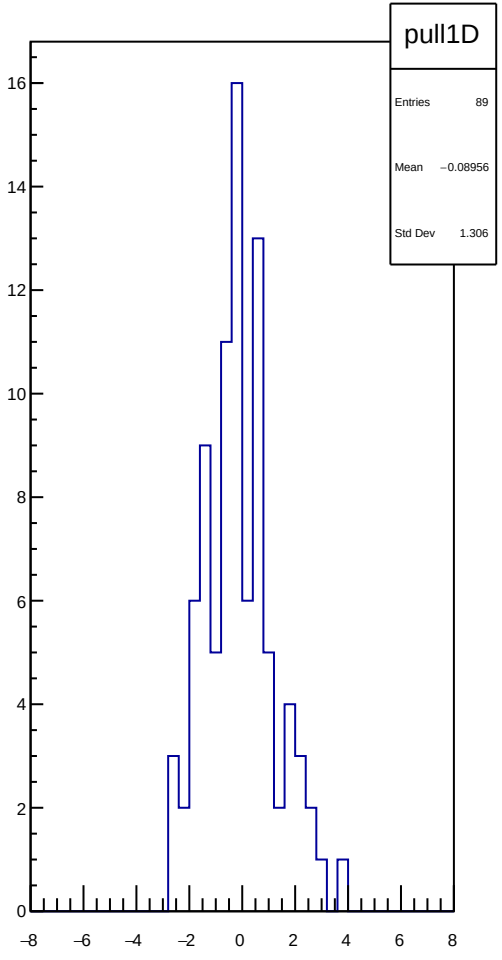

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 85.19 / 88
p0 0.1237 ± 0.1212
pull
Entries 89
Mean 450.6
Std Dev 423.9

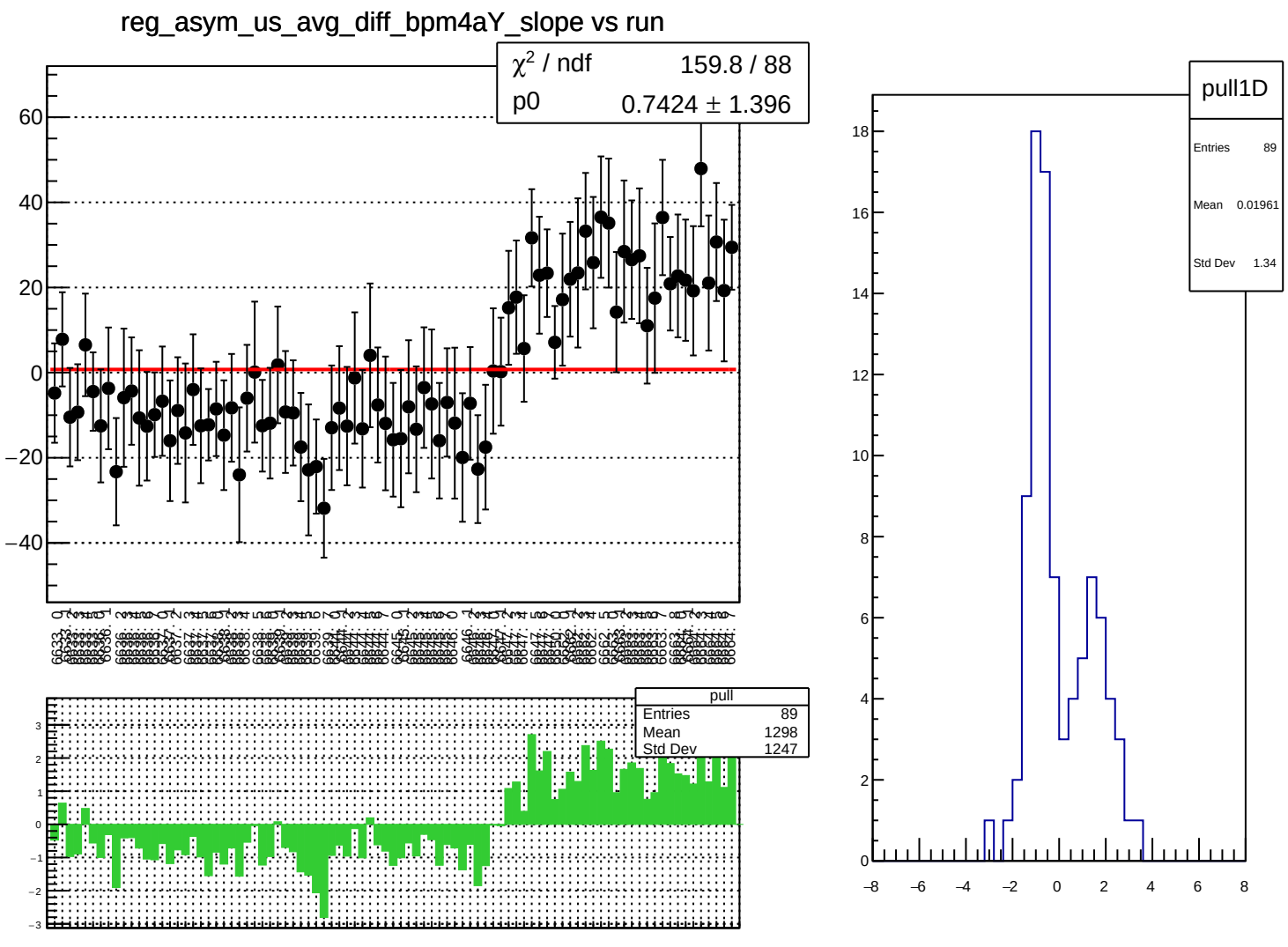

pull1D
Entries 89
Mean −0.004427
Std Dev 0.9783

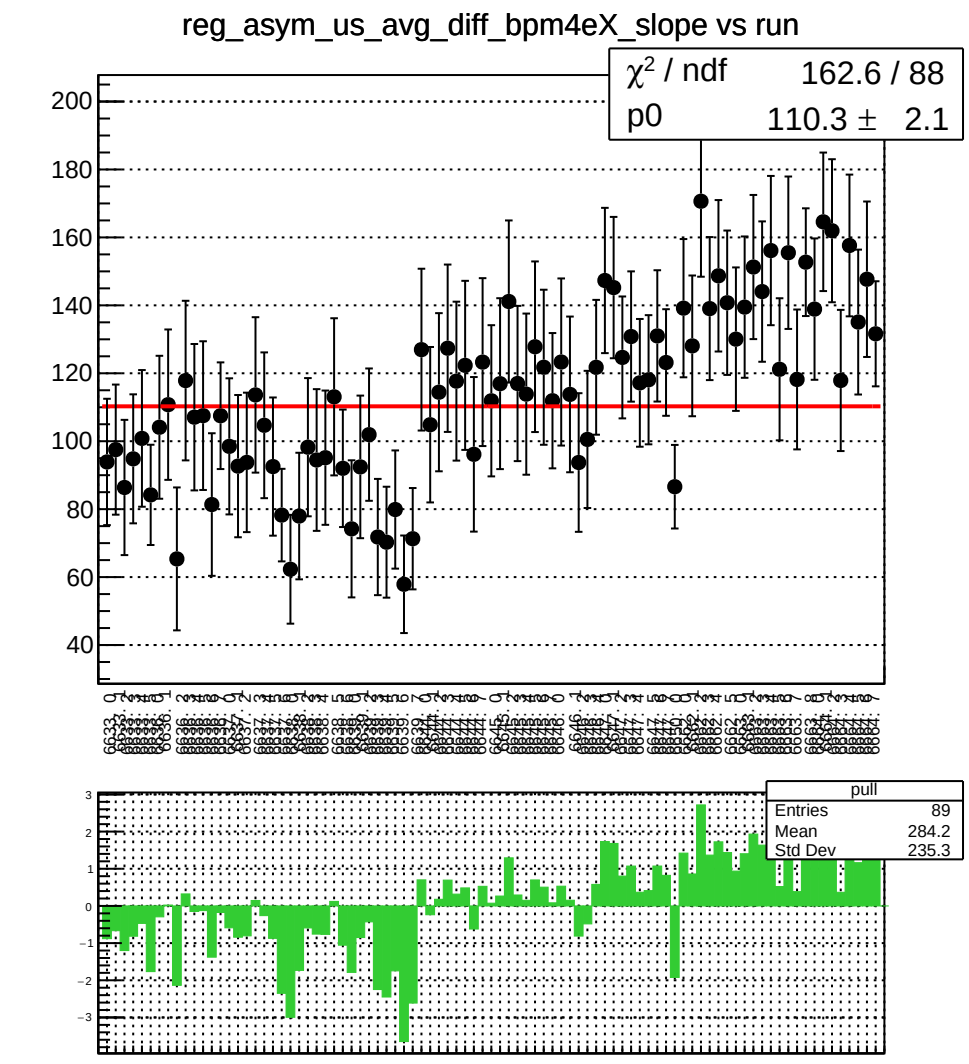

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 93.08 / 88
p0 0.01546 ± 0.006679
pull
Entries 89
Mean 142.5
Std Dev 86.08

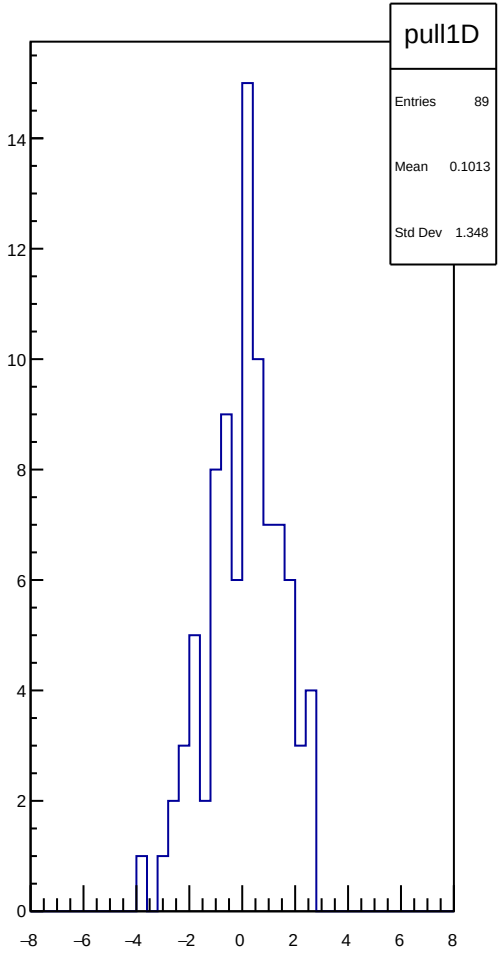

pull1D
Entries 89
Mean −0.01181
Std Dev 1.023

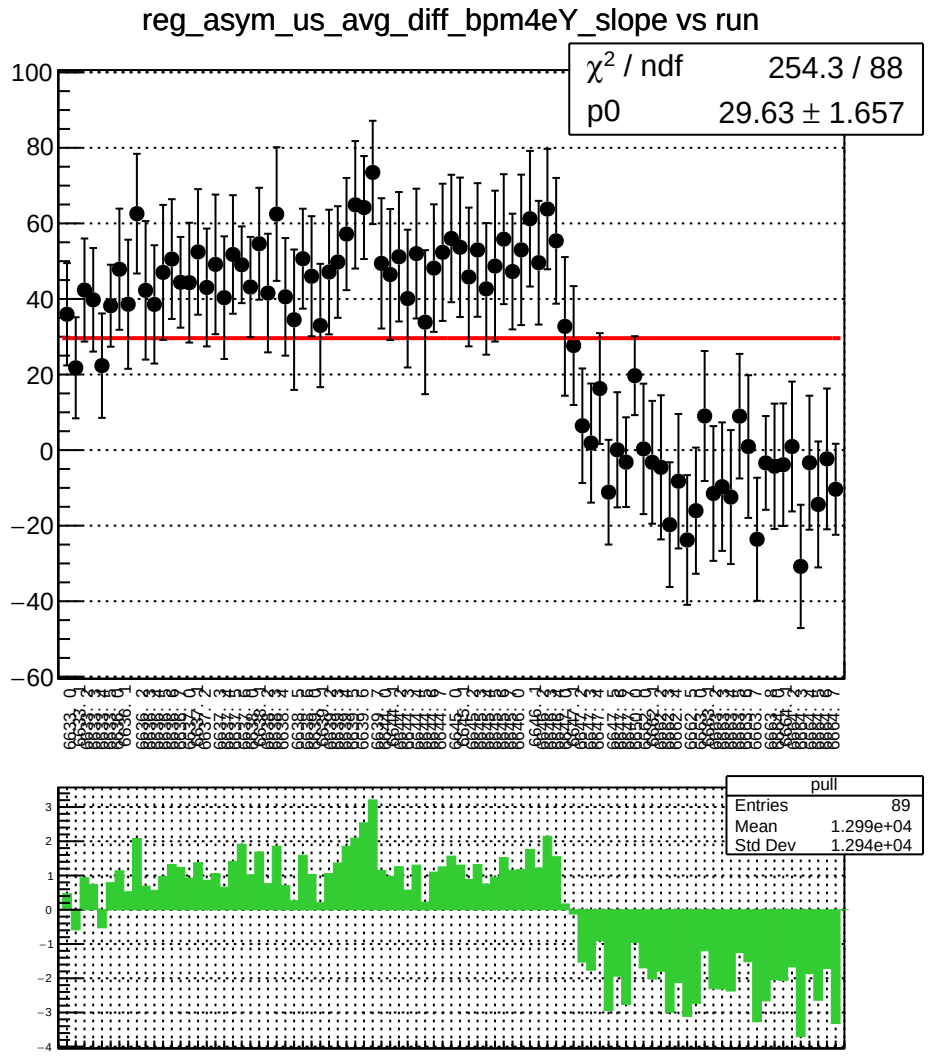

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 152.5 / 88
p0 −97.48 ± 1.964
pull
Entries 89
Mean 302.5
Std Dev 253.7

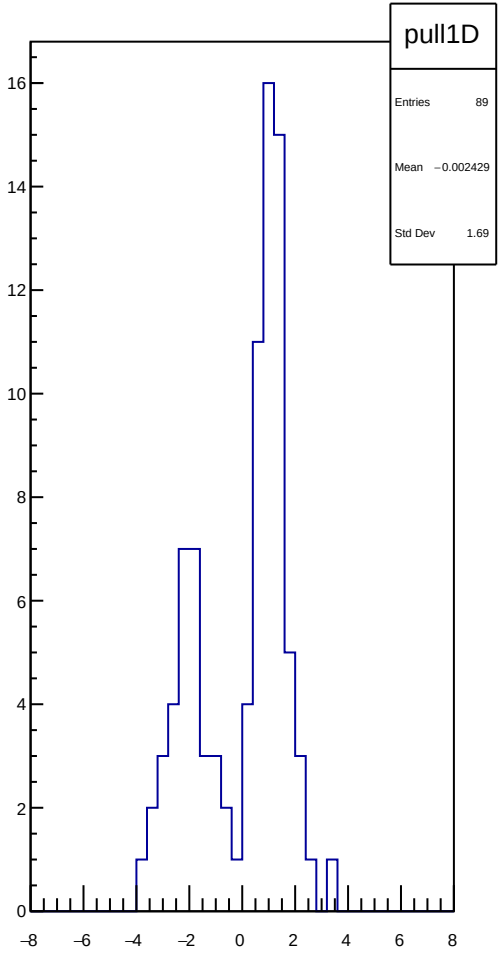

pull1D
Entries 89
Mean −0.08956
Std Dev 1.306

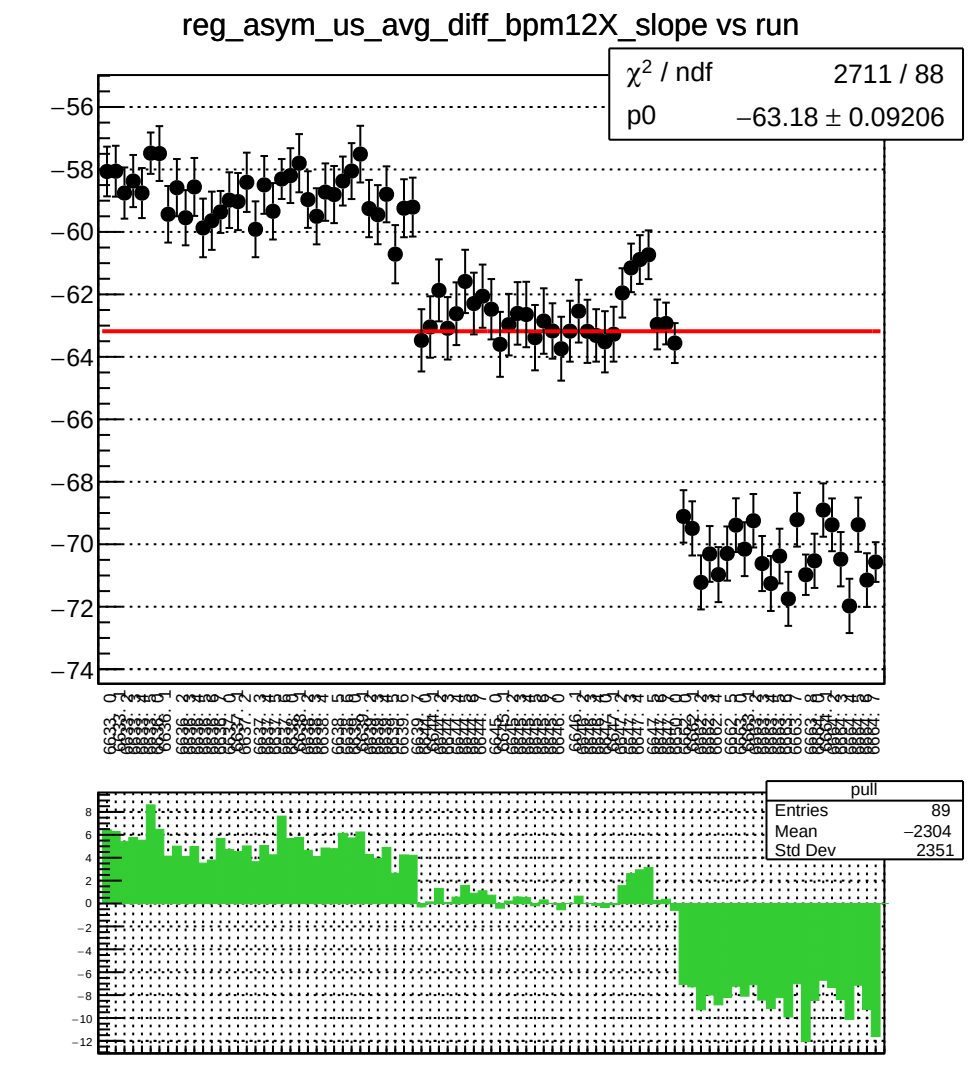

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 159.8 / 88
p0 0.7424 ± 1.396
pull
Entries 89
Mean 1298
Std Dev 1247
pull1D
Entries 89
Mean 0.01961
Std Dev 1.34

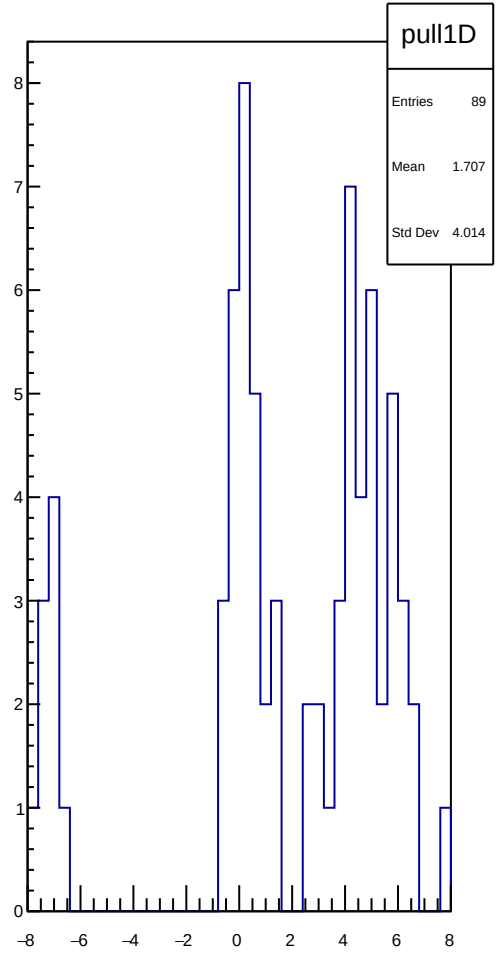

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 162.6 / 88
p0 110.3 ± 2.1
pull
Entries 89
Mean 284.2
Std Dev 235.3

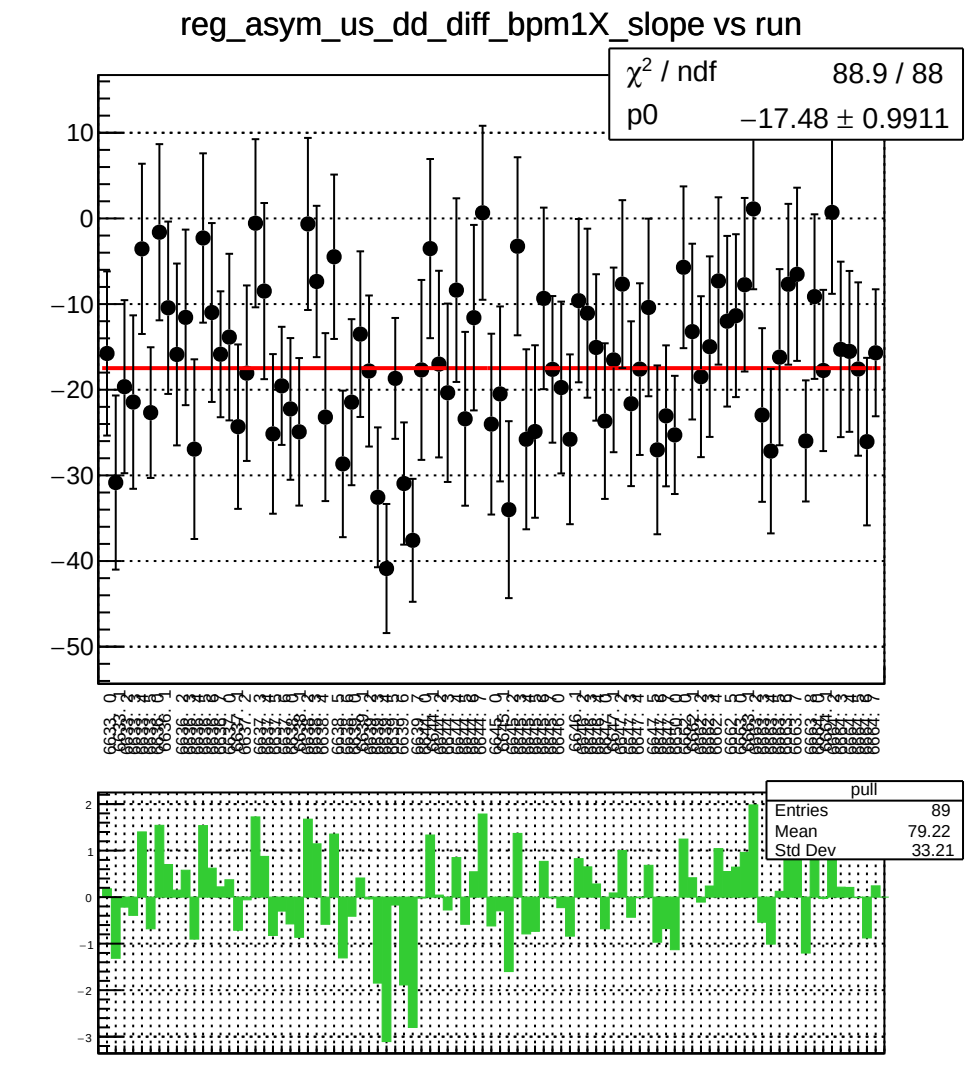

pull1D
Entries 89
Mean 0.1013
Std Dev 1.348

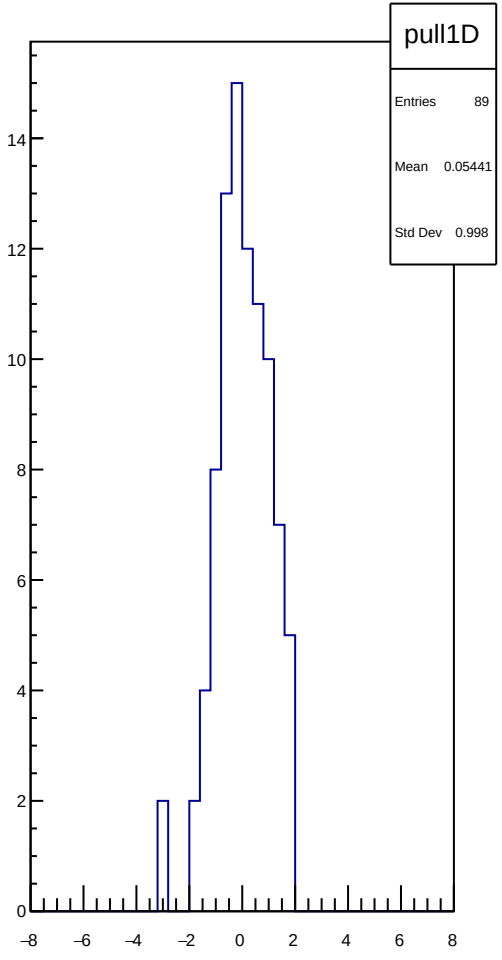

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 254.3 / 88
p0 29.63 ± 1.657
pull
Entries 89
Mean 1.299e+04
Std Dev 1.294e+04

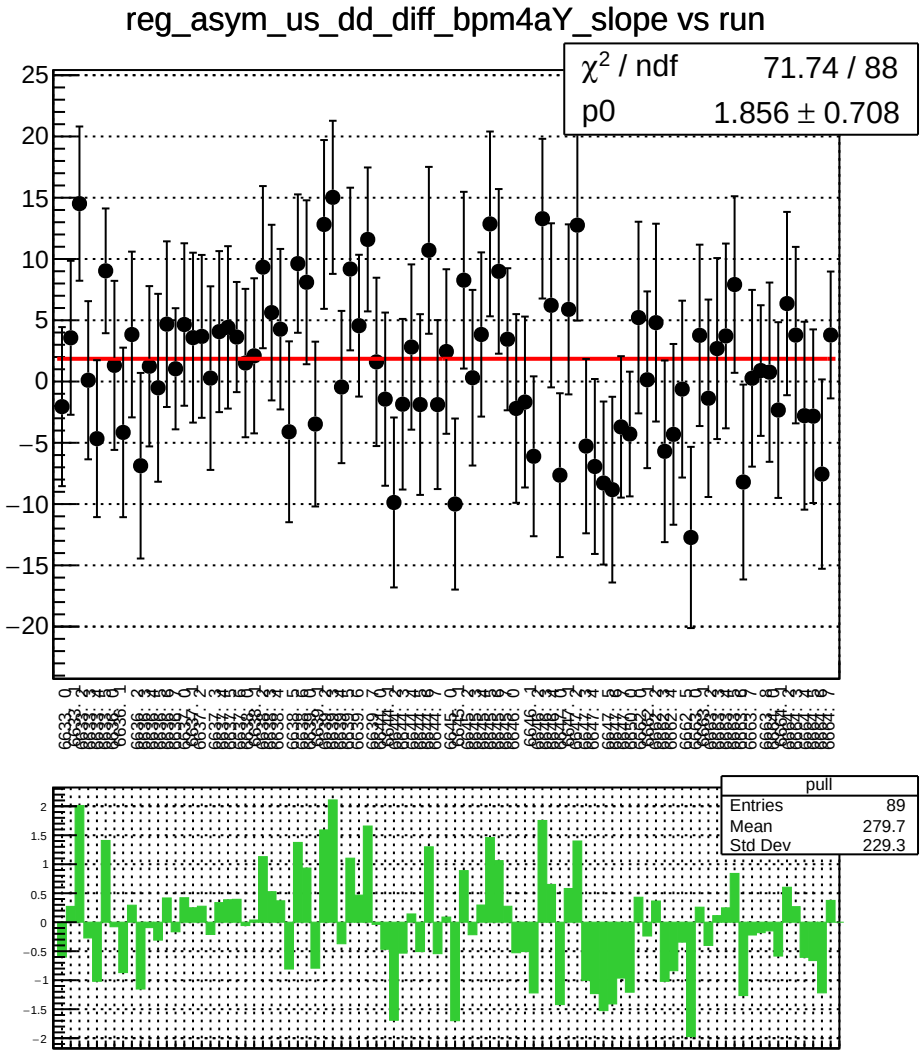

pull1D
Entries 89
Mean −0.002429
Std Dev 1.69

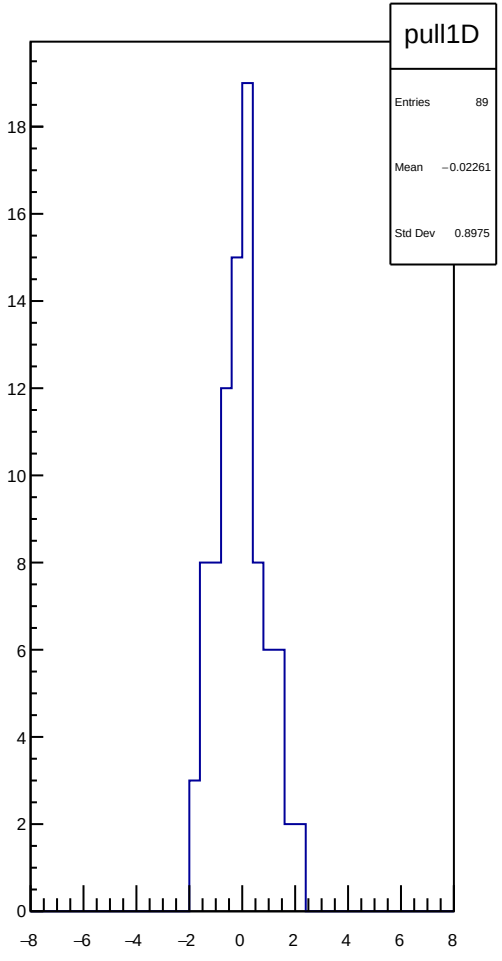

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 2711 / 88
p0 −63.18 ± 0.09206
pull
Entries 89
Mean −2304
Std Dev 2351

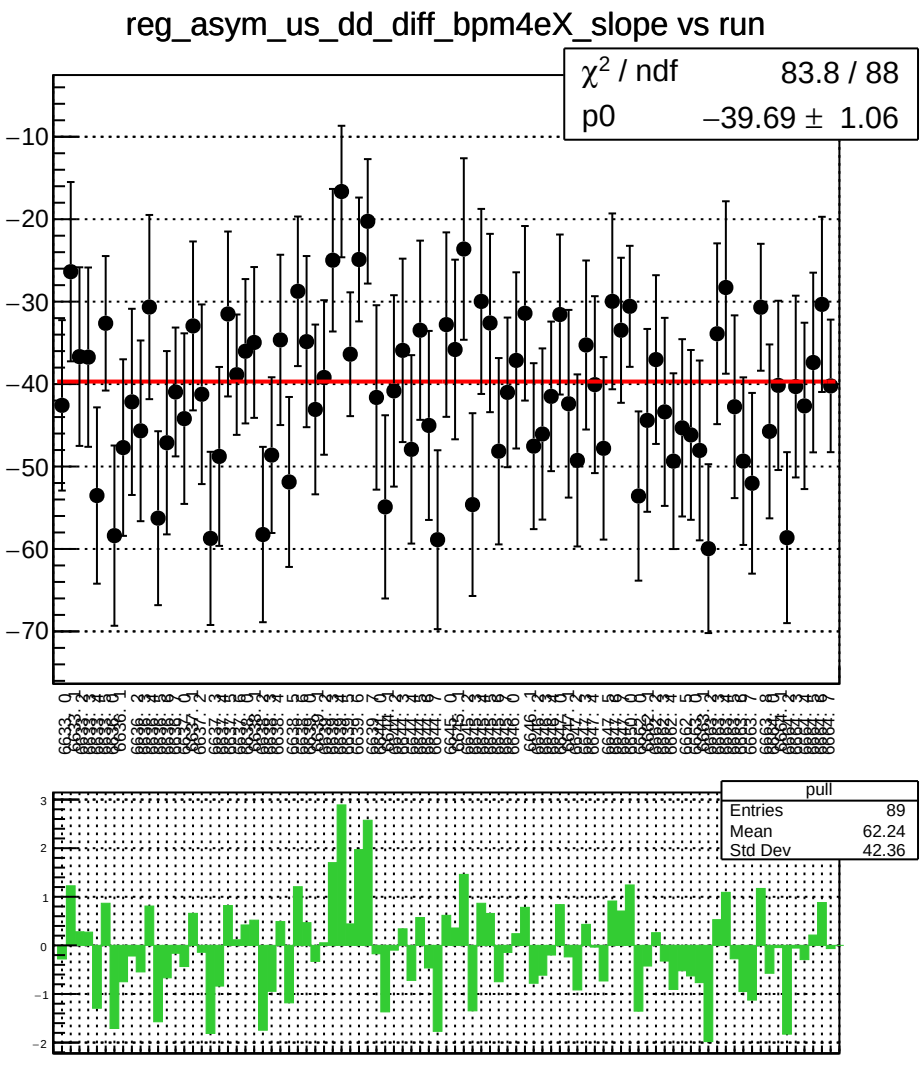

pull1D
Entries 89
Mean 1.707
Std Dev 4.014

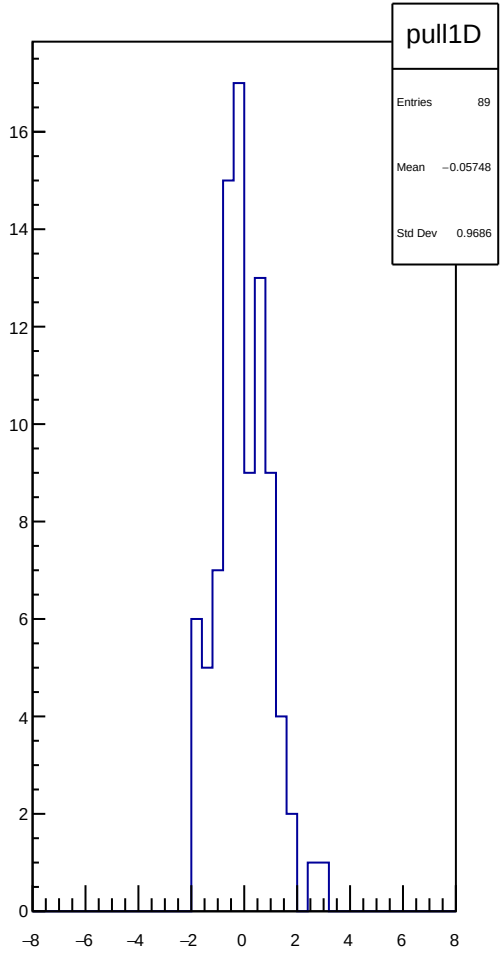

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 88.9 / 88
p0 −17.48 ± 0.9911
pull
Entries 89
Mean 79.22
Std Dev 33.21

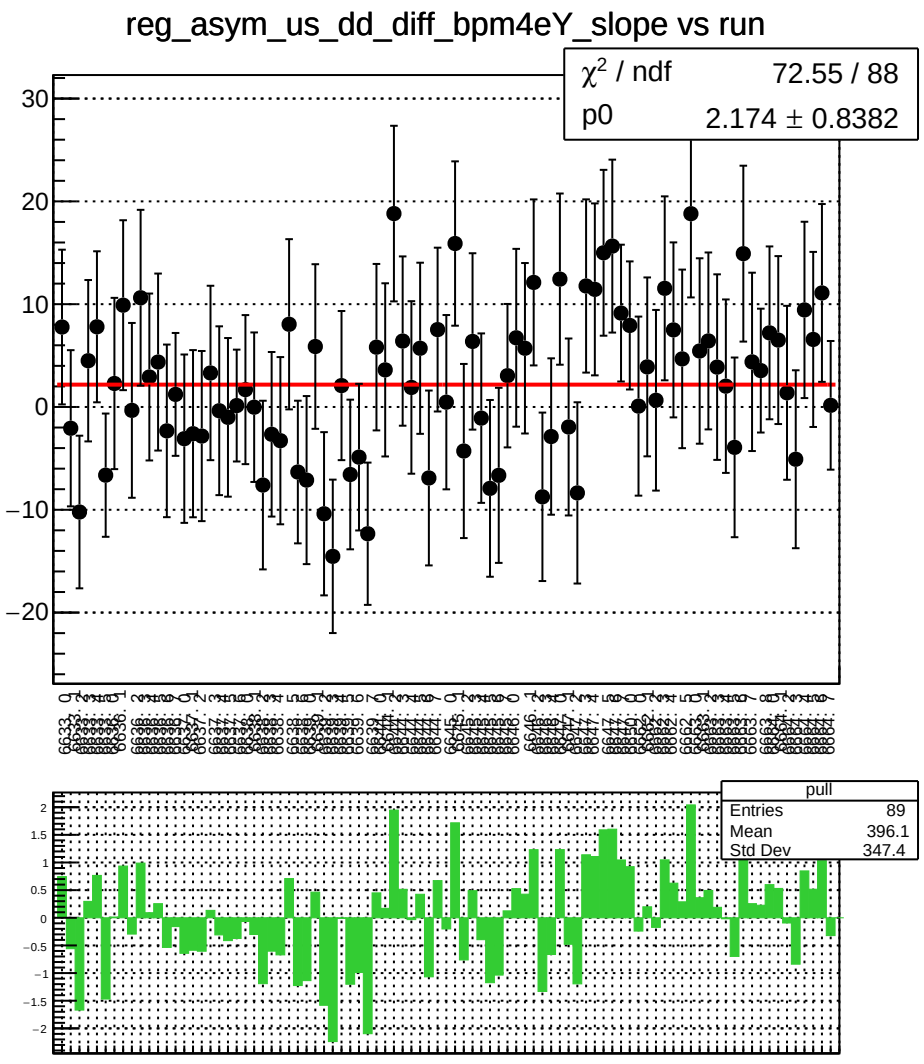

pull1D
Entries 89
Mean 0.05441
Std Dev 0.998

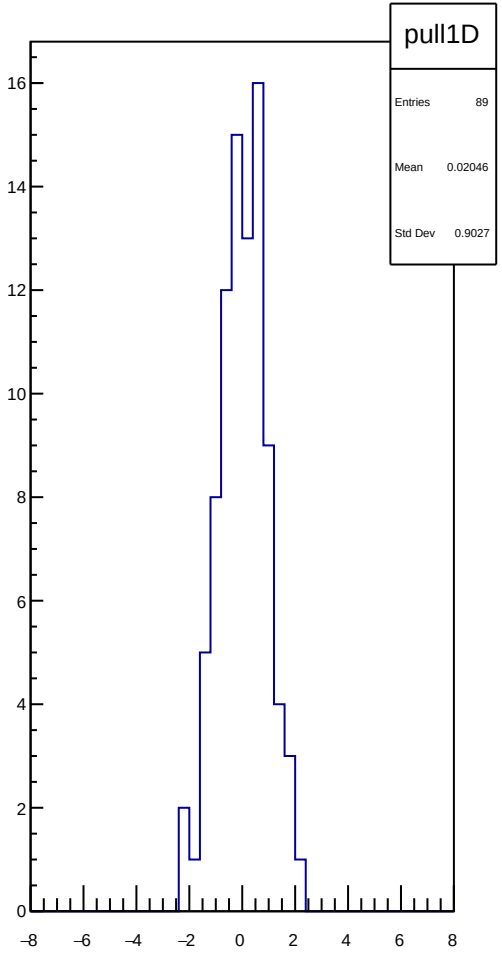

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.74 / 88
p0 1.856 ± 0.708
pull
Entries 89
Mean 279.7
Std Dev 229.3

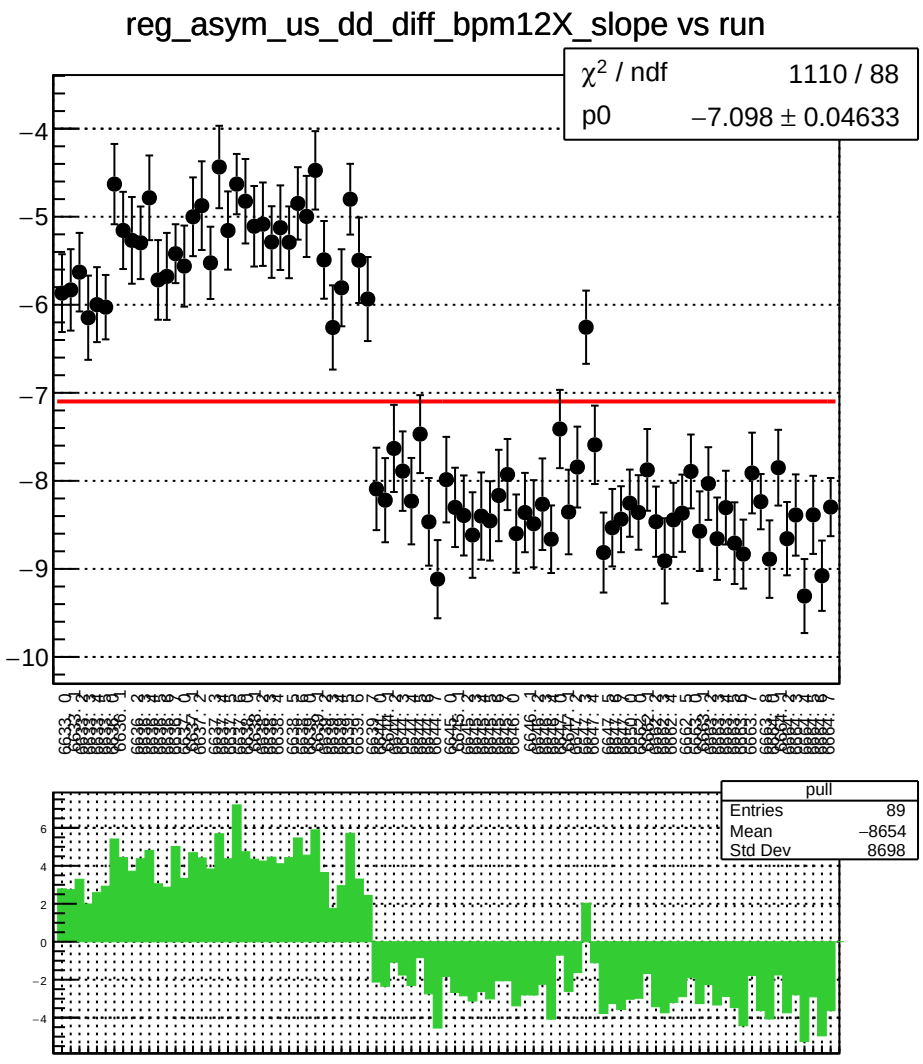

pull1D
Entries 89
Mean −0.02261
Std Dev 0.8975

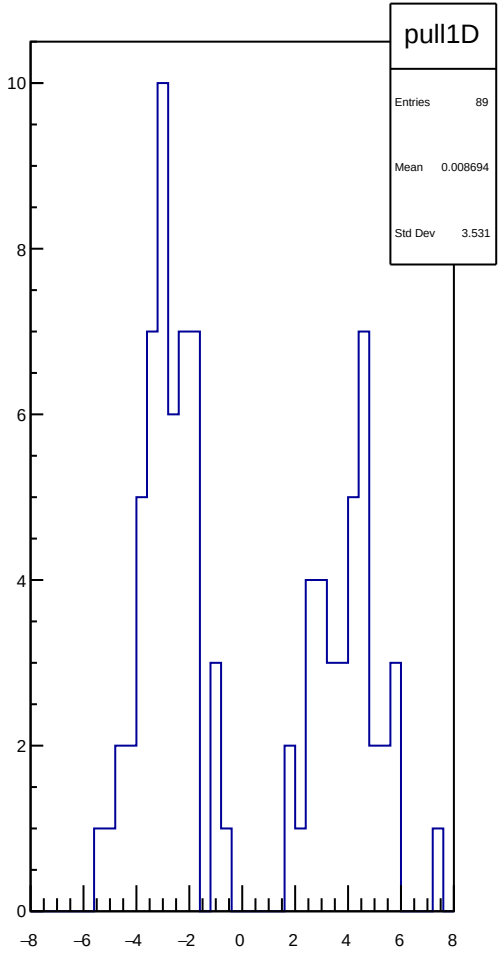

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 83.8 / 88
p0 −39.69 ± 1.06
−10
−20
−30
−40
−50
−60
−70
pull
Entries 89
Mean 62.24
Std Dev 42.36
3
2
1
0
−1
−2

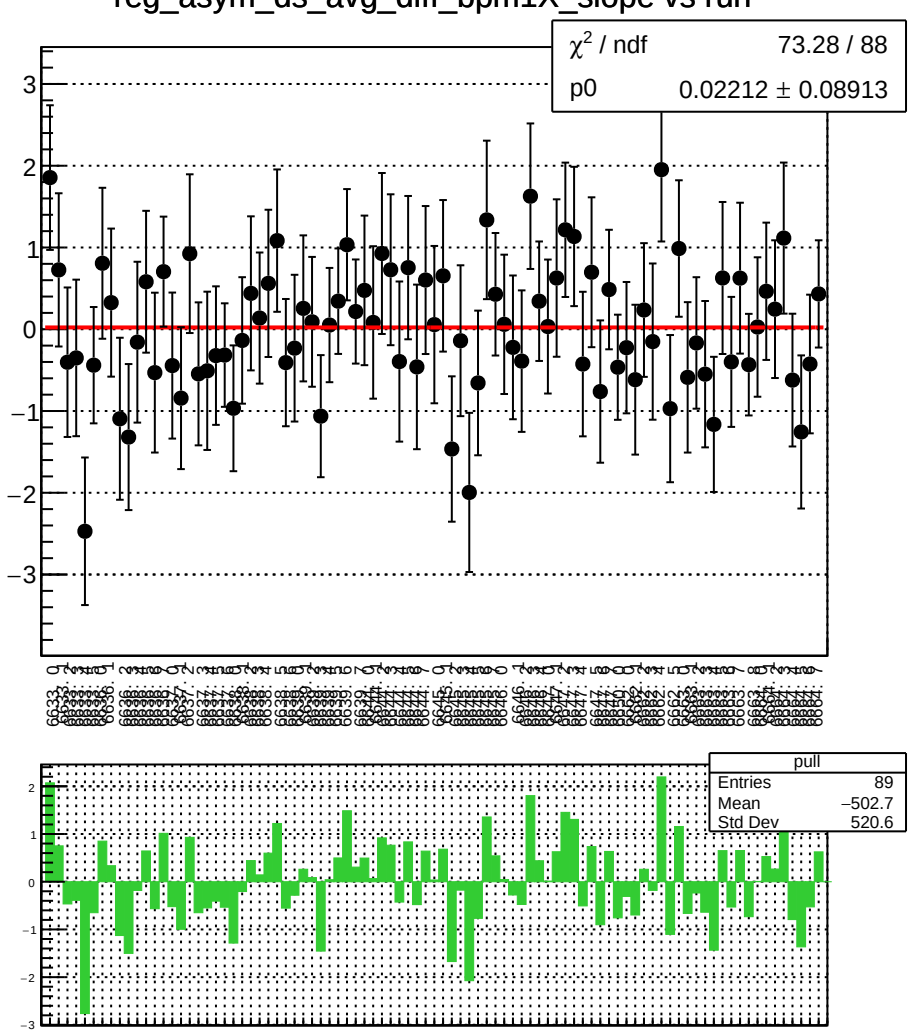

pull1D
Entries 89
Mean −0.05748
Std Dev 0.9686
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

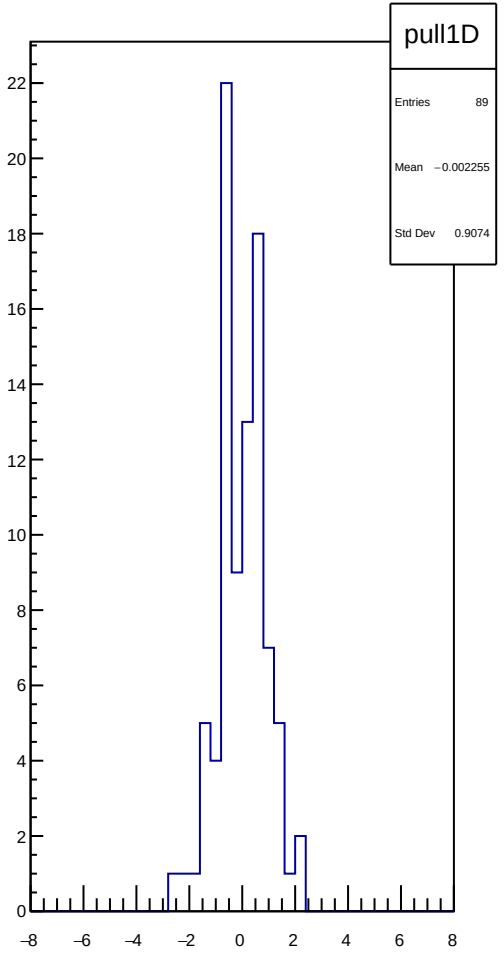

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.55 / 88
p0 2.174 ± 0.8382
pull
Entries 89
Mean 396.1
Std Dev 347.4

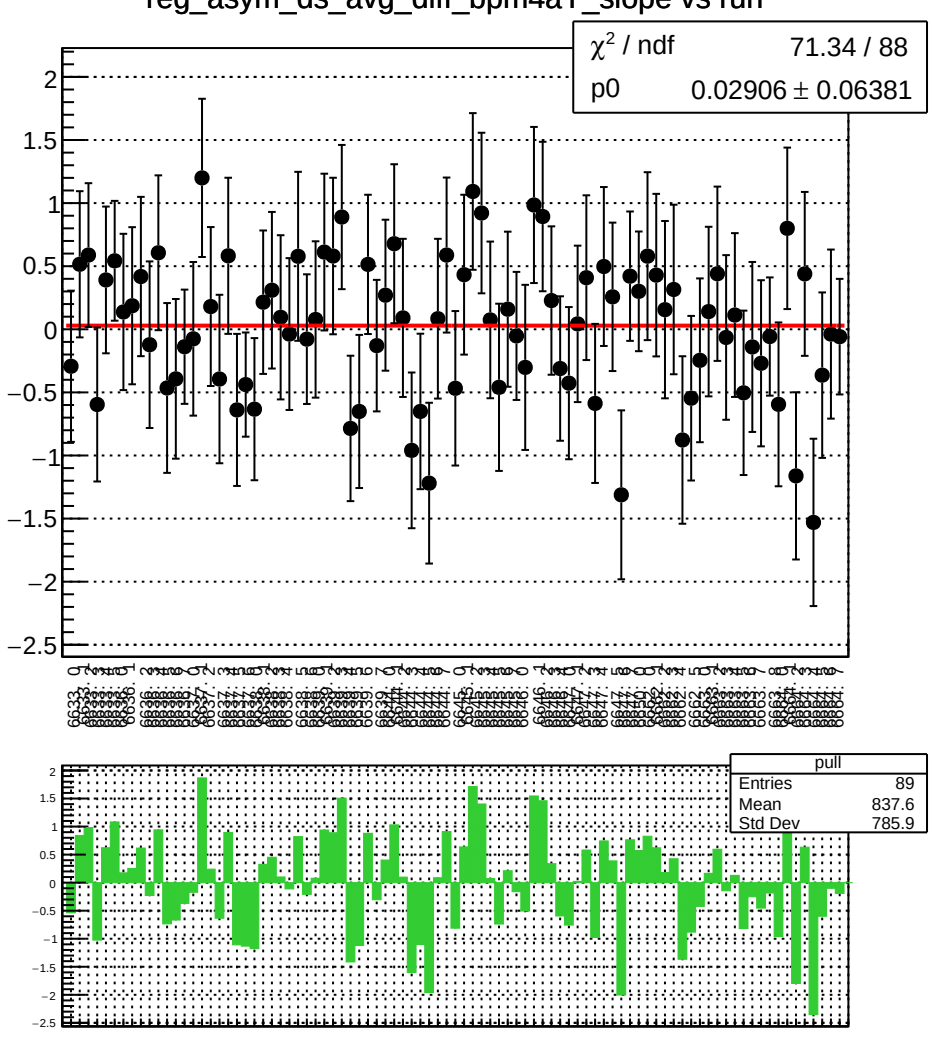

pull1D
Entries 89
Mean 0.02046
Std Dev 0.9027

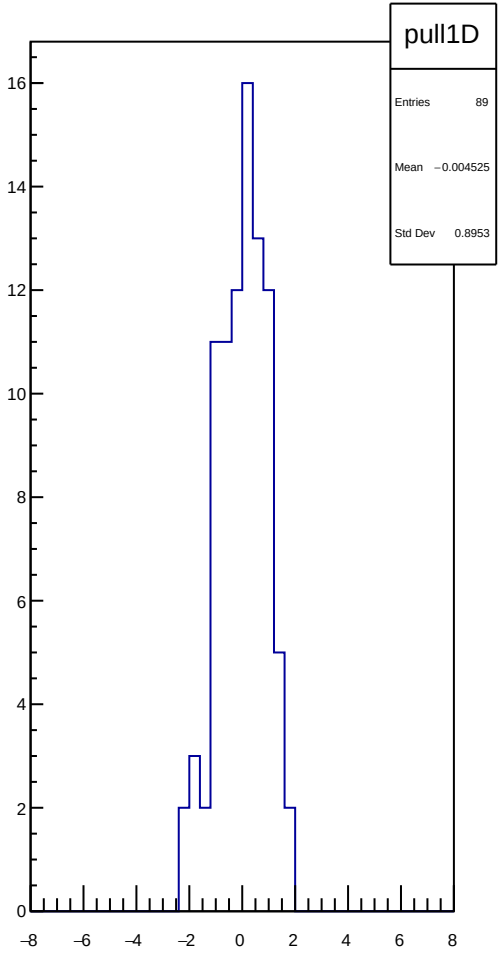

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 1110 / 88
p0 −7.098 ± 0.04633
pull
Entries 89
Mean −8654
Std Dev 8698

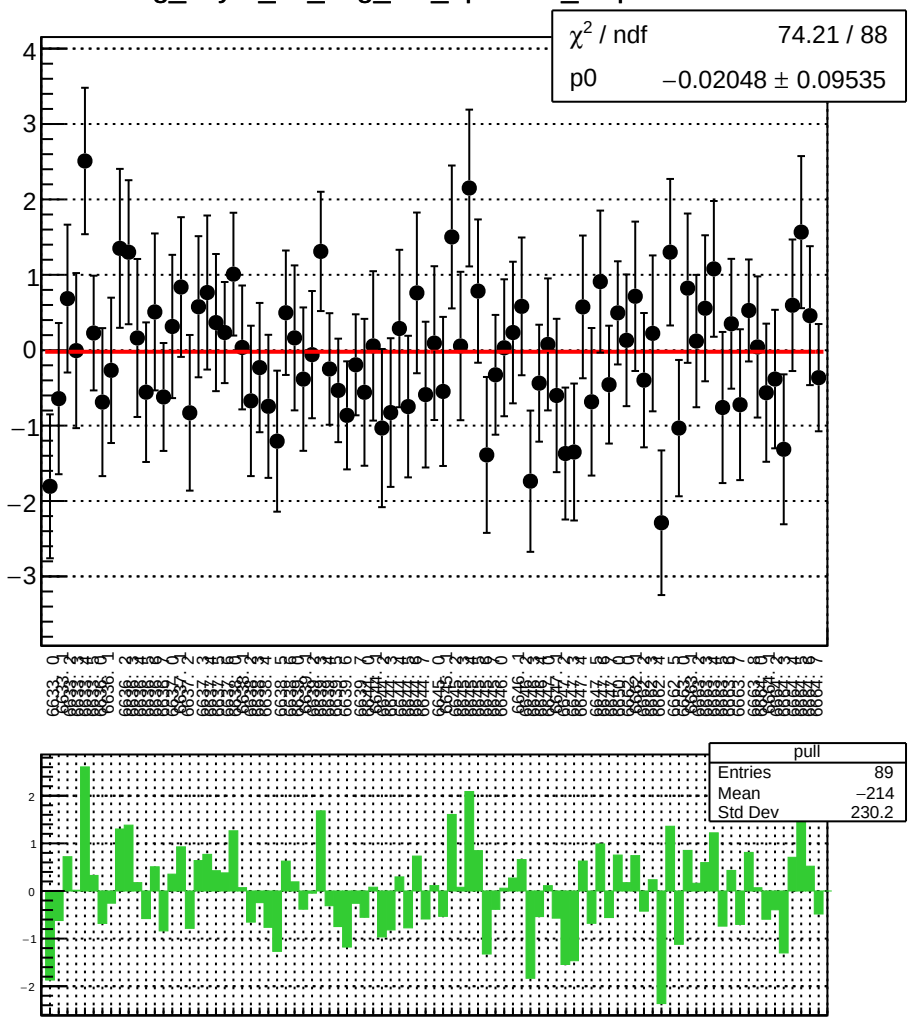

pull1D
Entries 89
Mean 0.008694
Std Dev 3.531

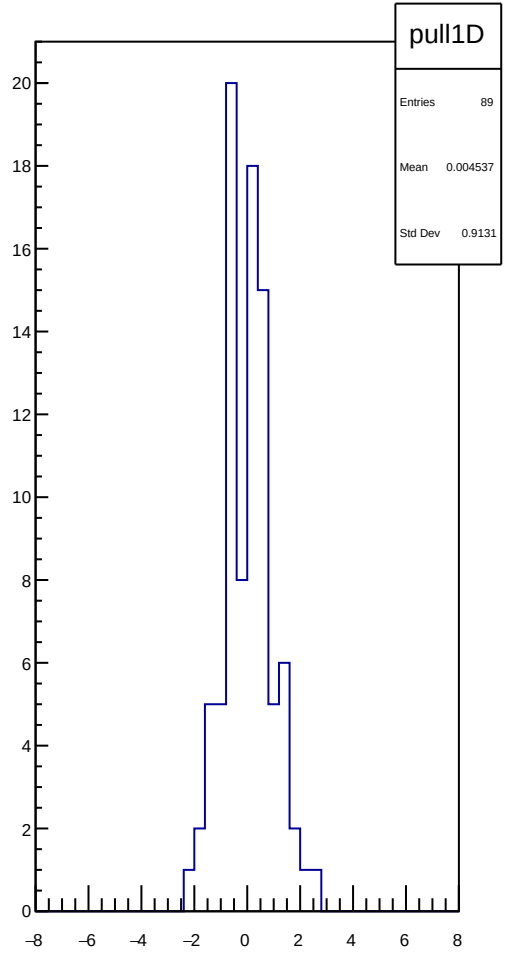

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 73.28 / 88
p0 0.02212 ± 0.08913
pull
Entries 89
Mean −502.7
Std Dev 520.6

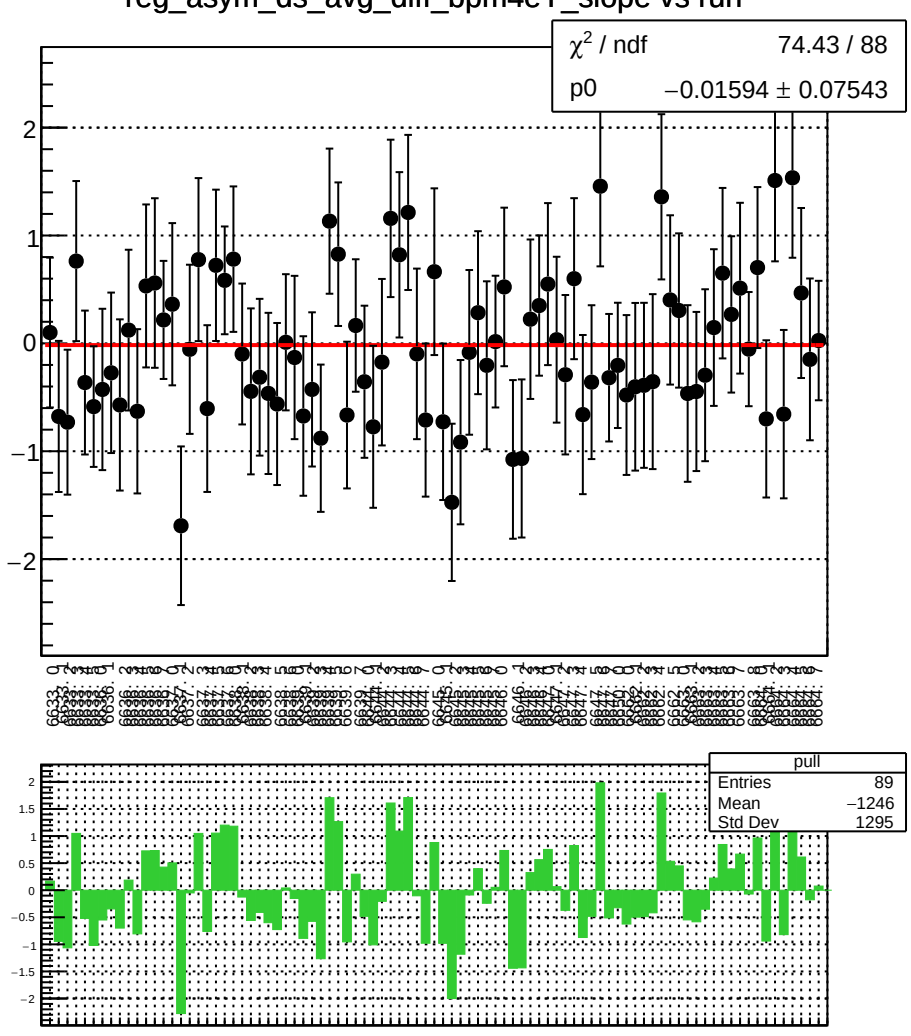

pull1D
Entries 89
Mean −0.002255
Std Dev 0.9074

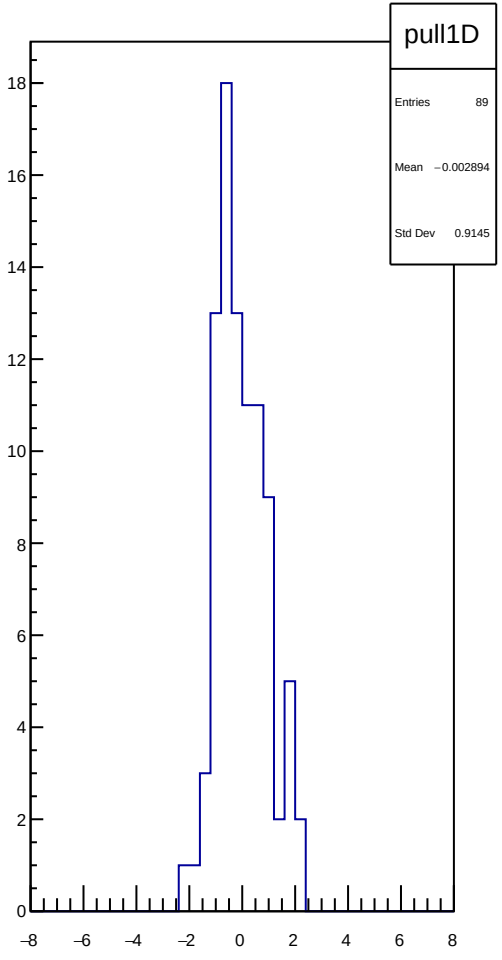

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 71.34 / 88
p0 0.02906 ± 0.06381
pull
Entries 89
Mean 837.6
Std Dev 785.9

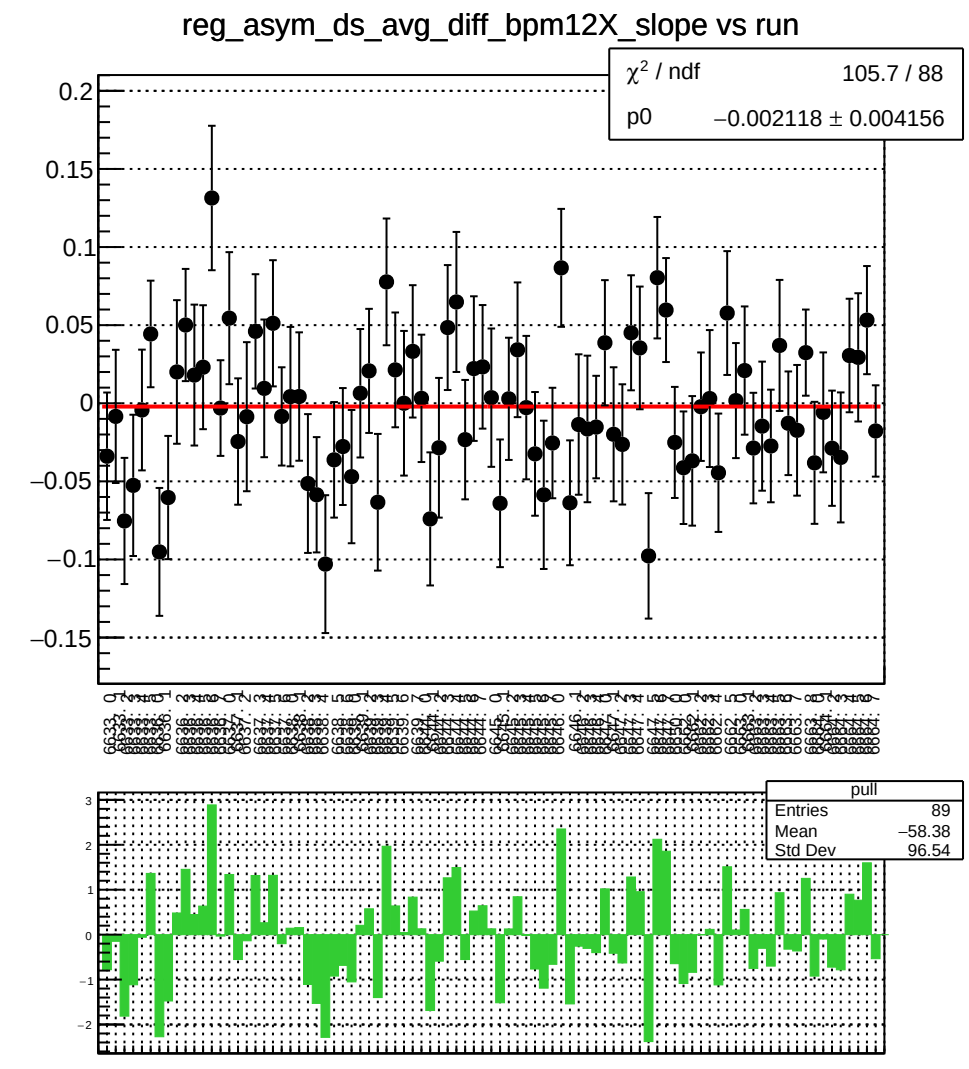

pull1D
Entries 89
Mean −0.004525
Std Dev 0.8953

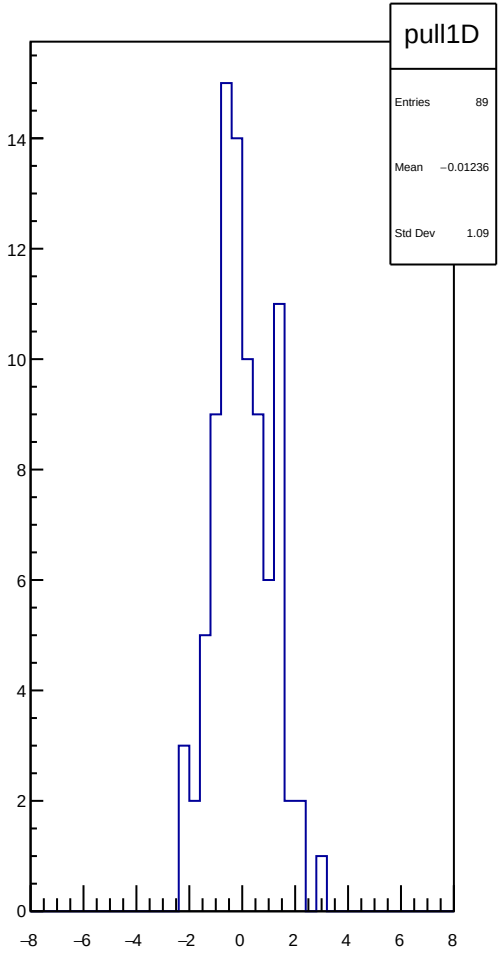

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 74.21 / 88
p0 −0.02048 ± 0.09535
pull
Entries 89
Mean −214
Std Dev 230.2

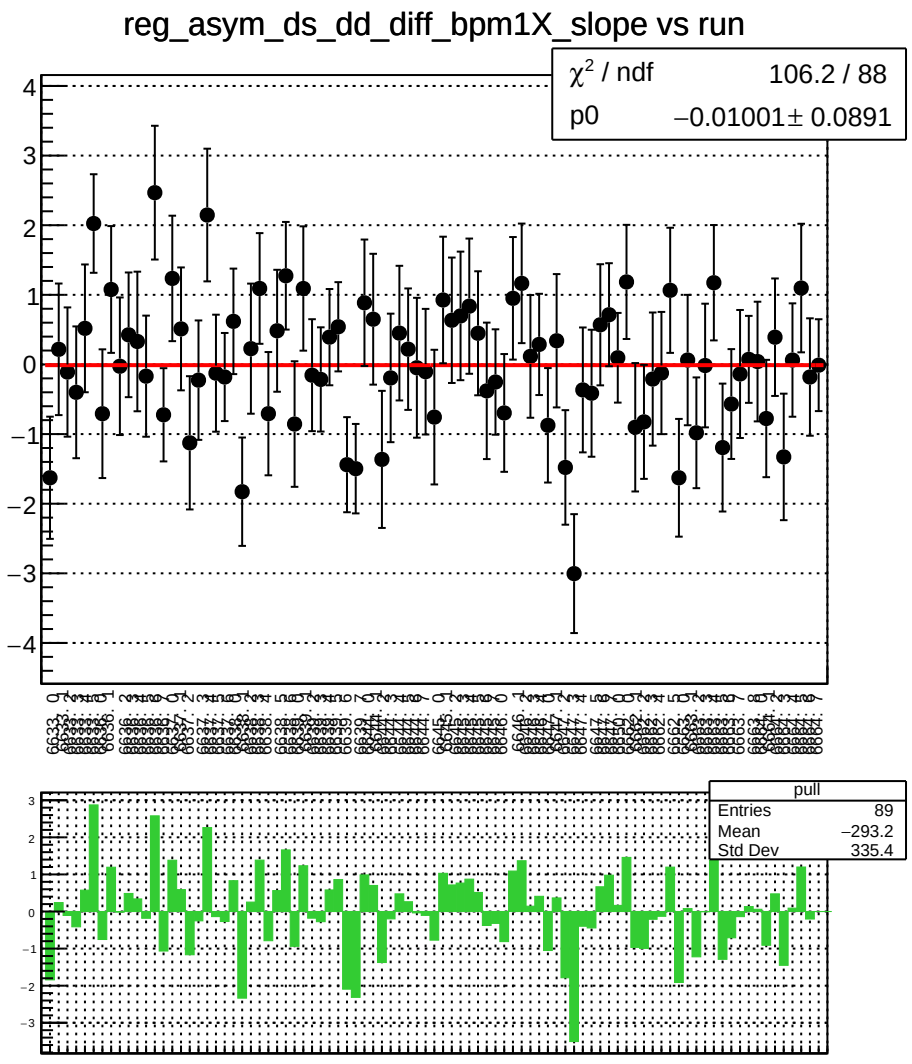

pull1D
Entries 89
Mean 0.004537
Std Dev 0.9131

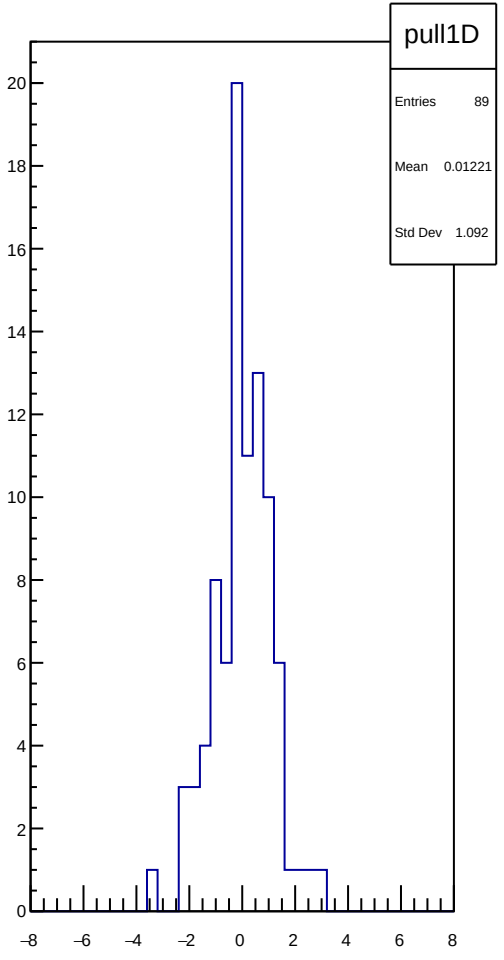

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.43 / 88
p0 −0.01594 ± 0.07543
pull
Entries 89
Mean −1246
Std Dev 1295

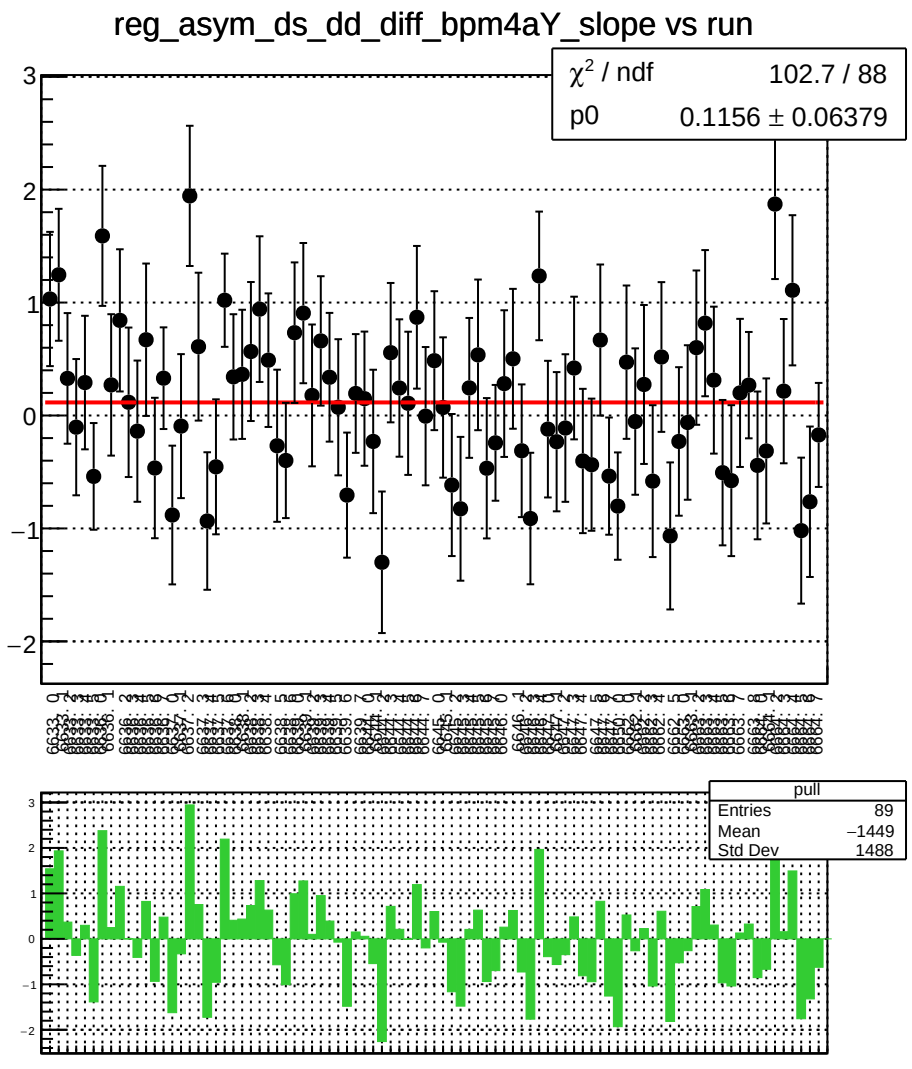

pull1D
Entries 89
Mean −0.002894
Std Dev 0.9145

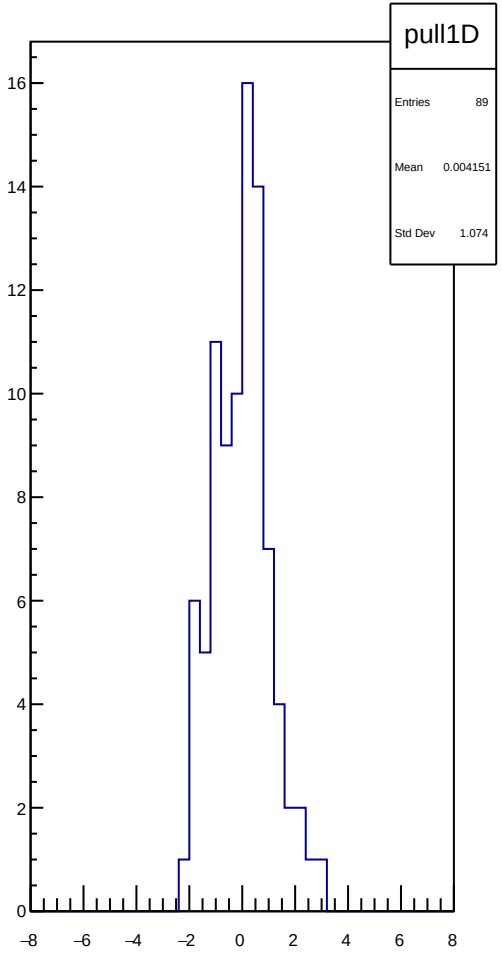

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 105.7 / 88
p0 −0.002118 ± 0.004156
pull
Entries 89
Mean −58.38
Std Dev 96.54

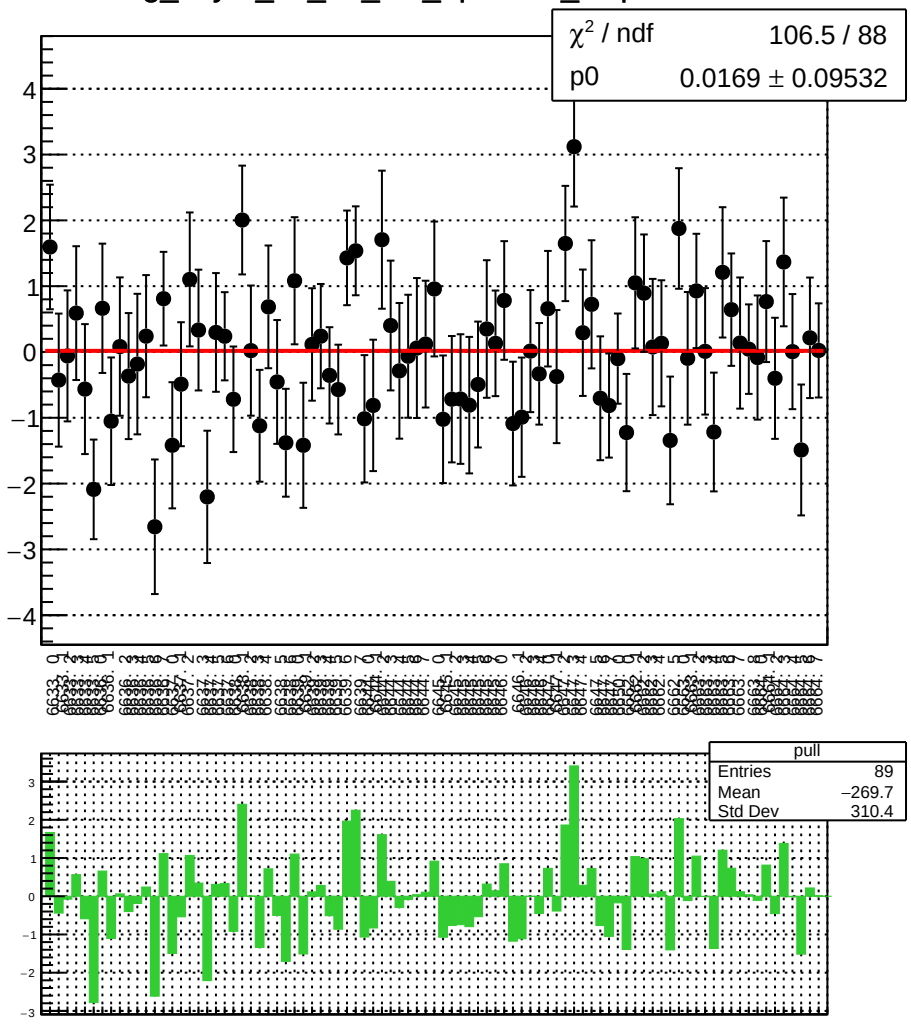

pull1D
Entries 89
Mean −0.01236
Std Dev 1.09

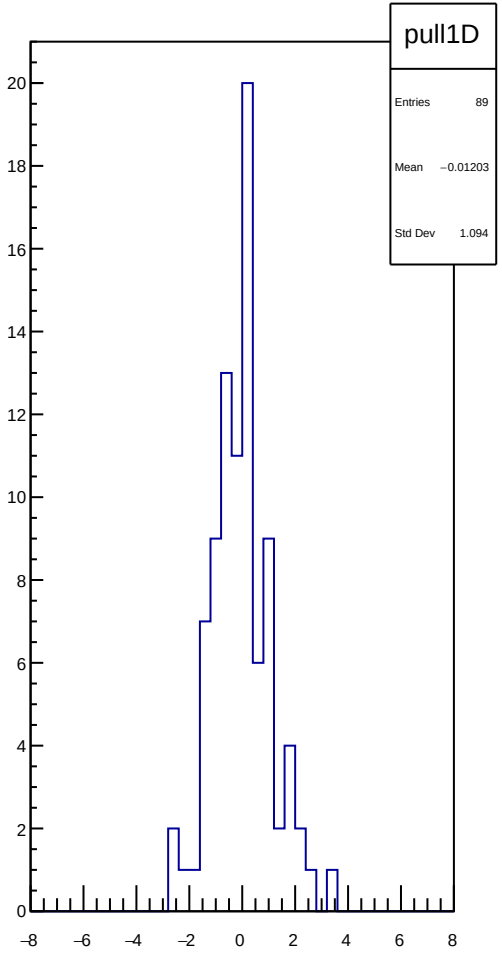

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 106.2 / 88
p0 −0.01001 ± 0.0891
pull
Entries 89
Mean −293.2
Std Dev 335.4

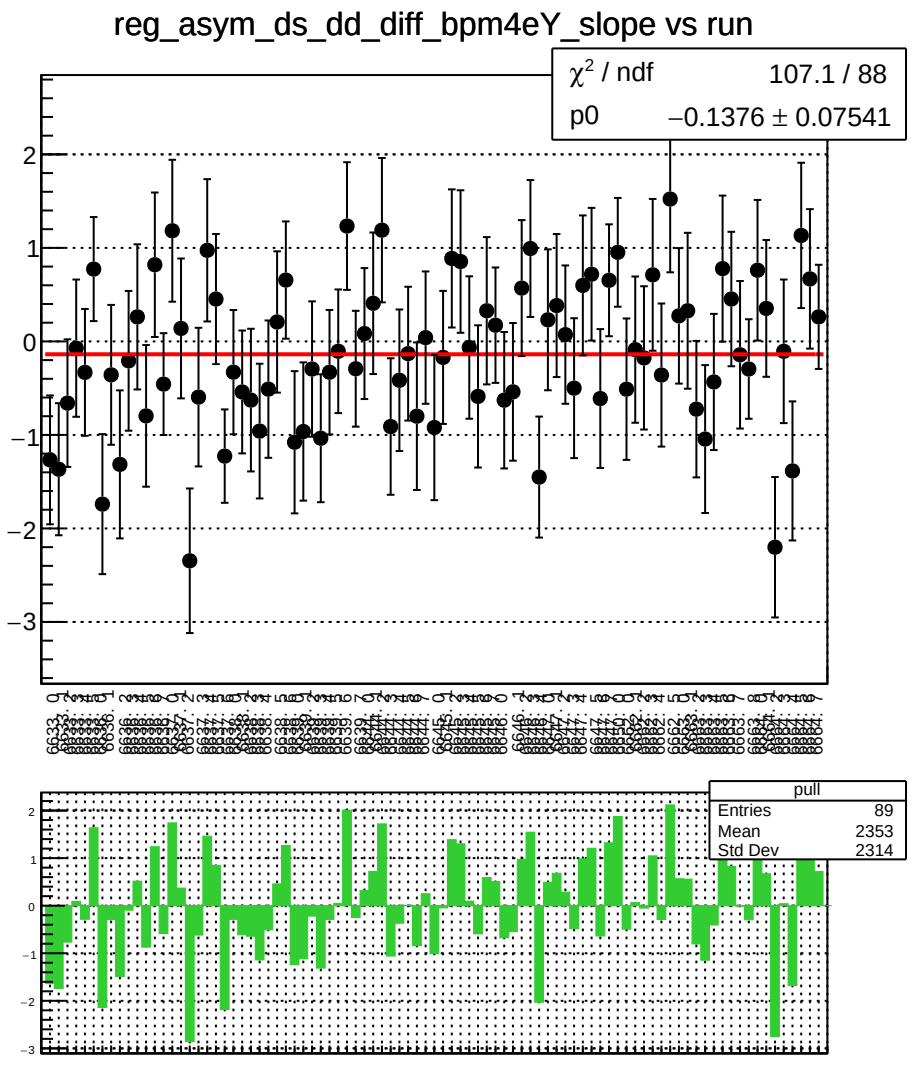

pull1D
Entries 89
Mean 0.01221
Std Dev 1.092

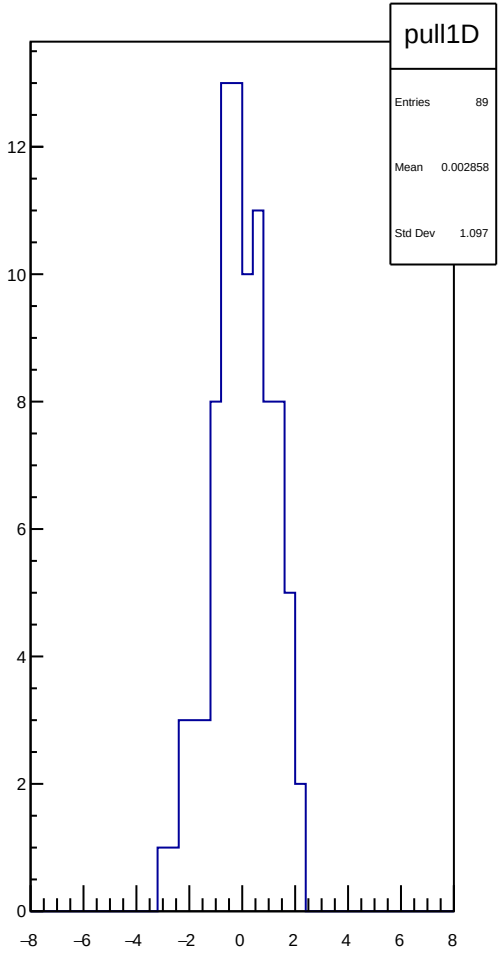

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 102.7 / 88
p0 0.1156 ± 0.06379
pull
Entries 89
Mean −1449
Std Dev 1488

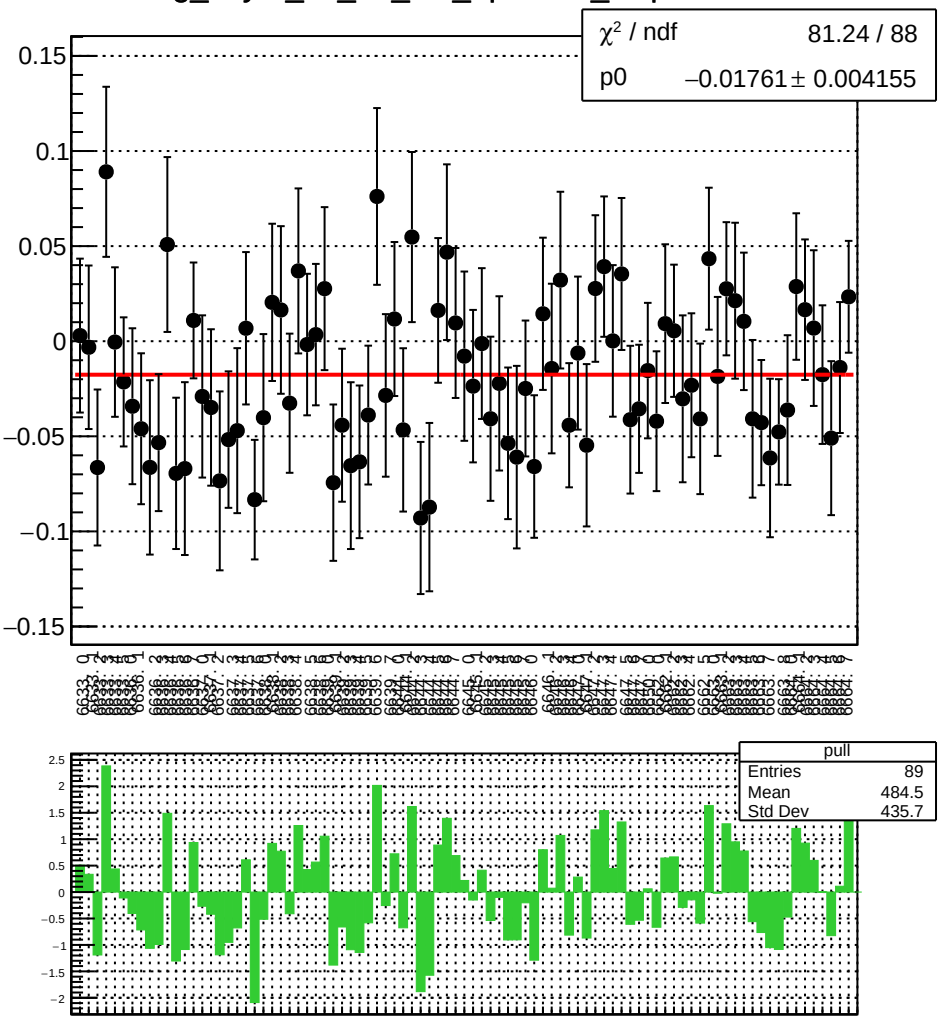

pull1D
Entries 89
Mean 0.004151
Std Dev 1.074

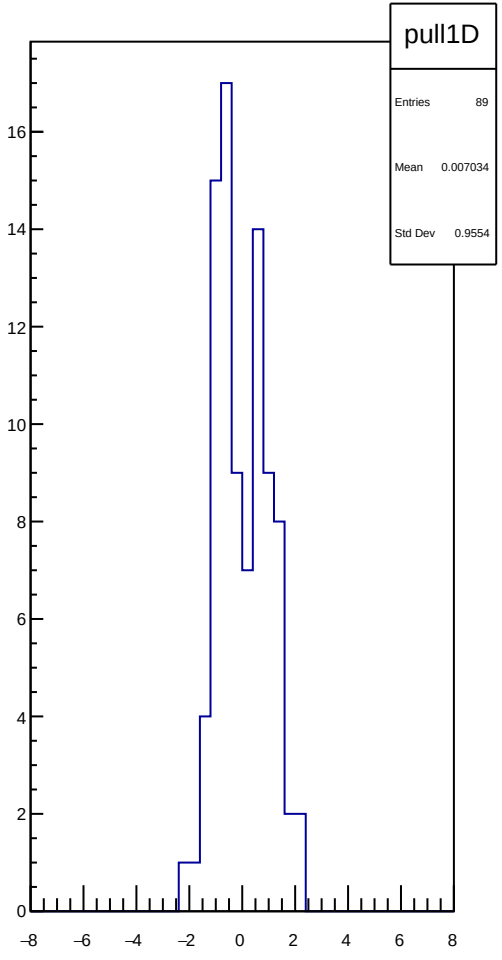

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 106.5 / 88
p0 0.0169 ± 0.09532
pull
Entries 89
Mean −269.7
Std Dev 310.4

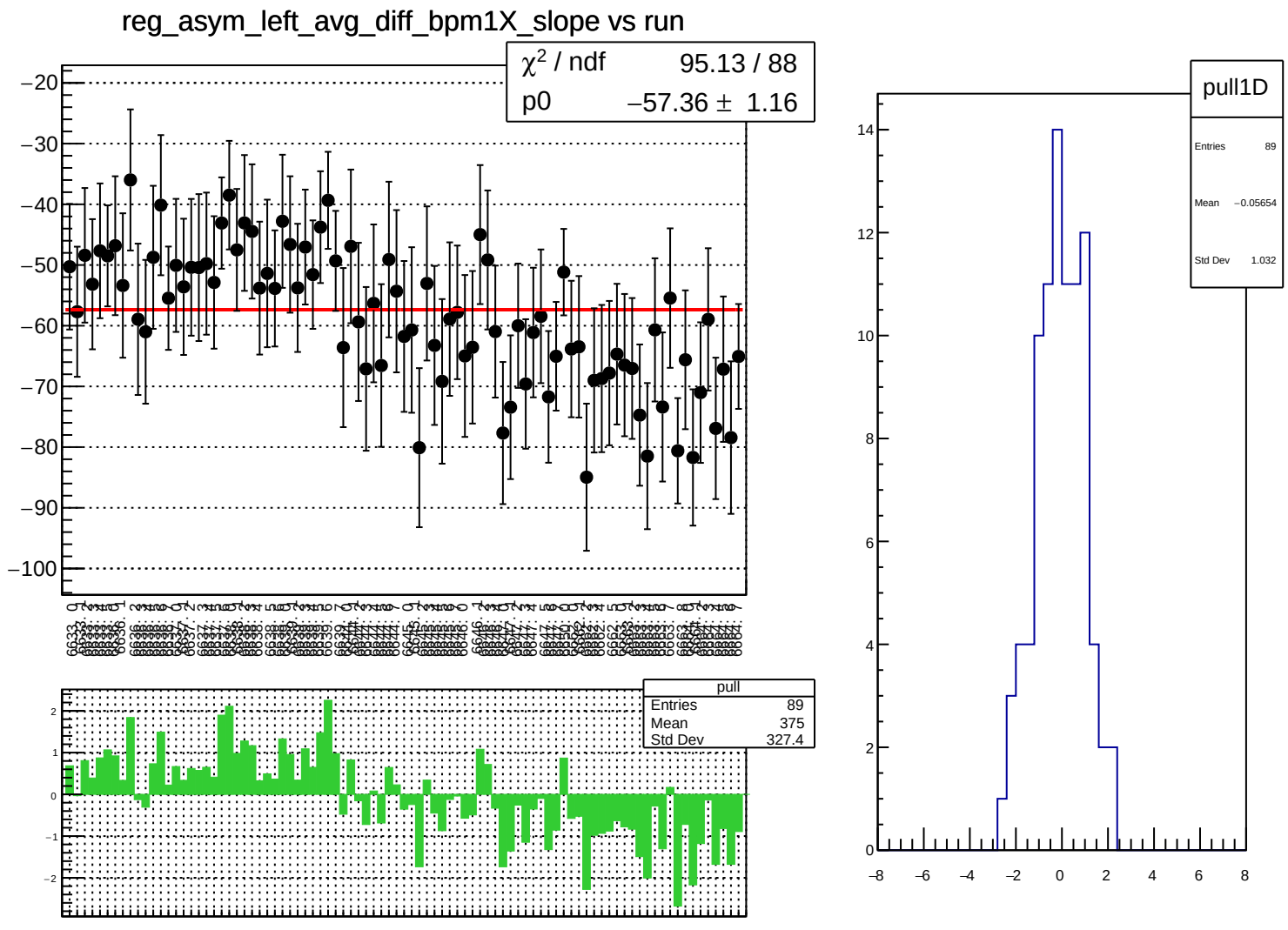

pull1D
Entries 89
Mean −0.01203
Std Dev 1.094

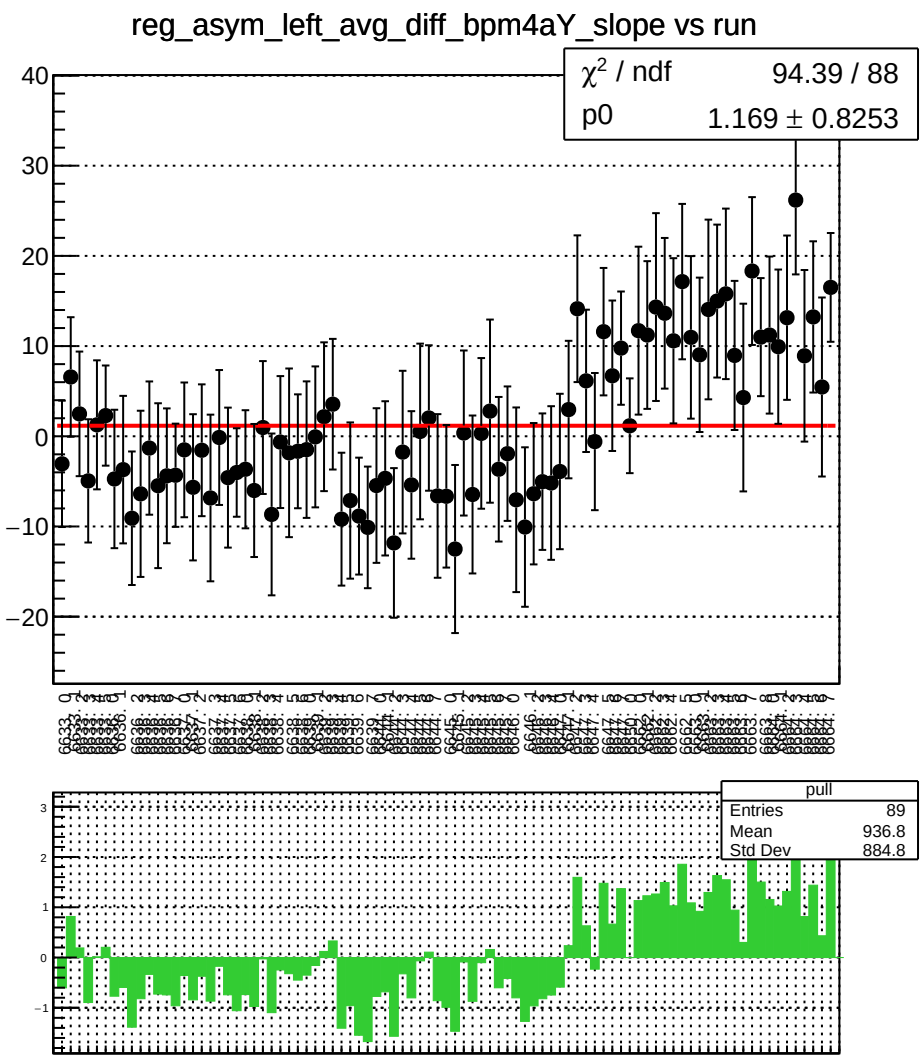

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.1 / 88
p0 −0.1376 ± 0.07541
pull
Entries 89
Mean 2353
Std Dev 2314

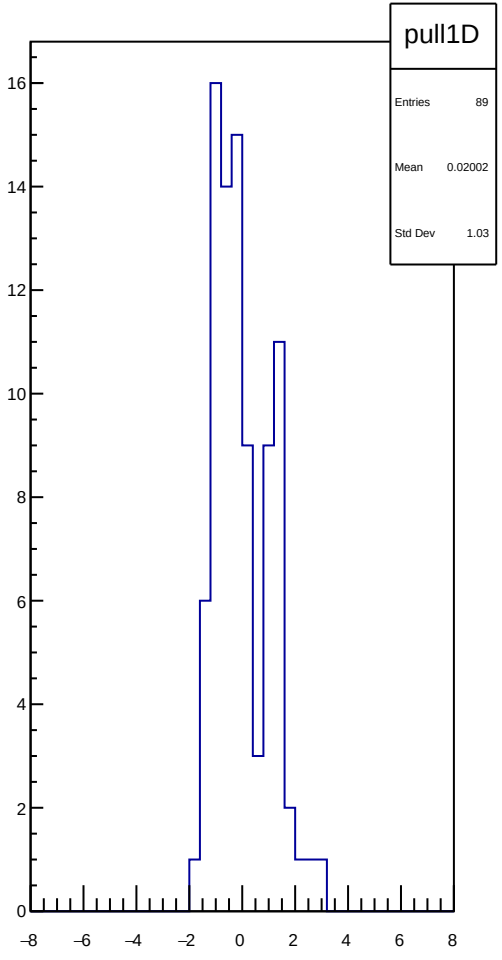

pull1D
Entries 89
Mean 0.002858
Std Dev 1.097

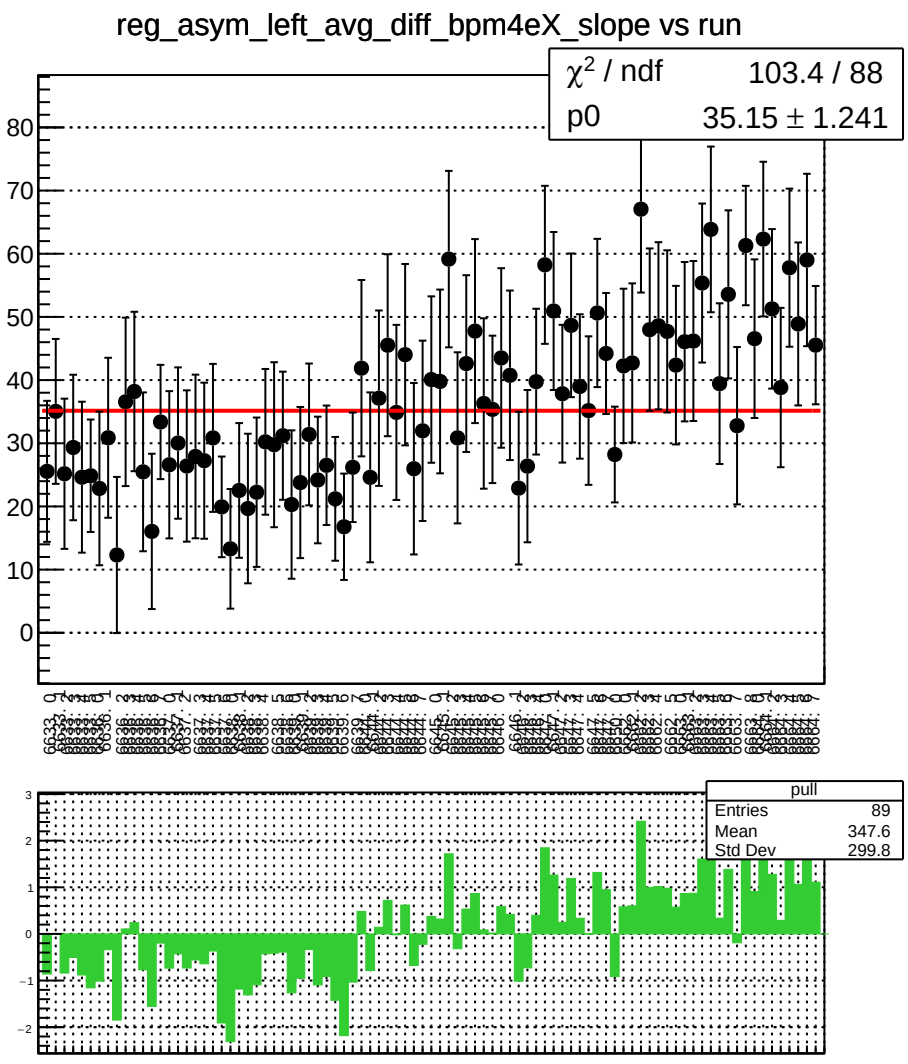

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 81.24 / 88
p0 −0.01761 ± 0.004155
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 89
Mean 484.5
Std Dev 435.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

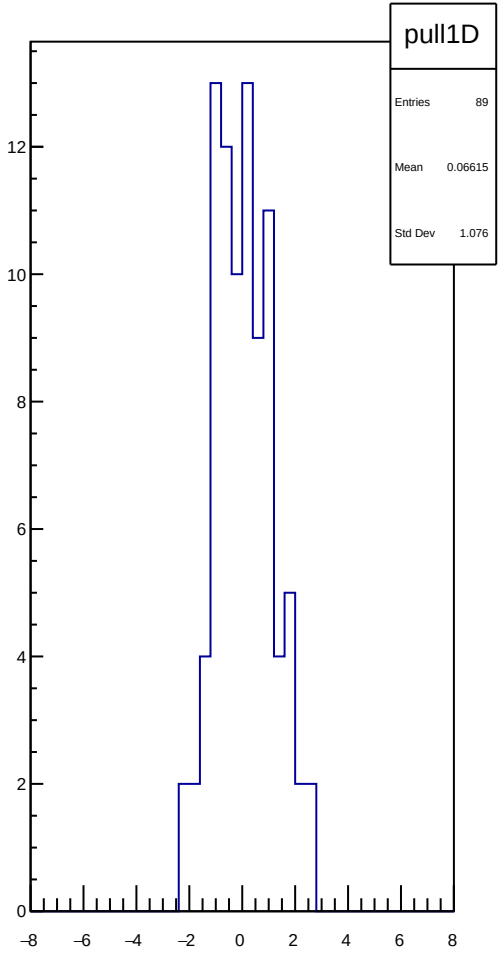

pull1D
Entries 89
Mean 0.007034
Std Dev 0.9554
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

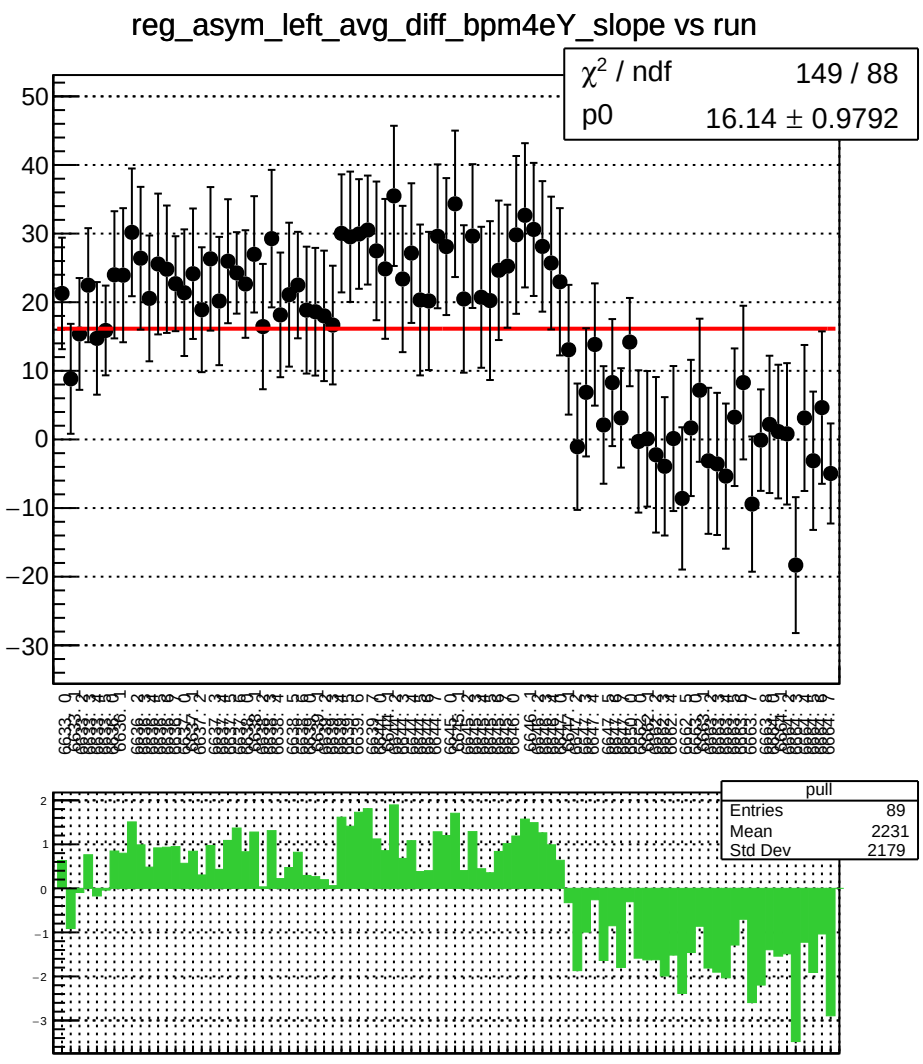

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 95.13 / 88
p0 −57.36 ± 1.16
pull
Entries 89
Mean 375
Std Dev 327.4
pull1D
Entries 89
Mean −0.05654
Std Dev 1.032

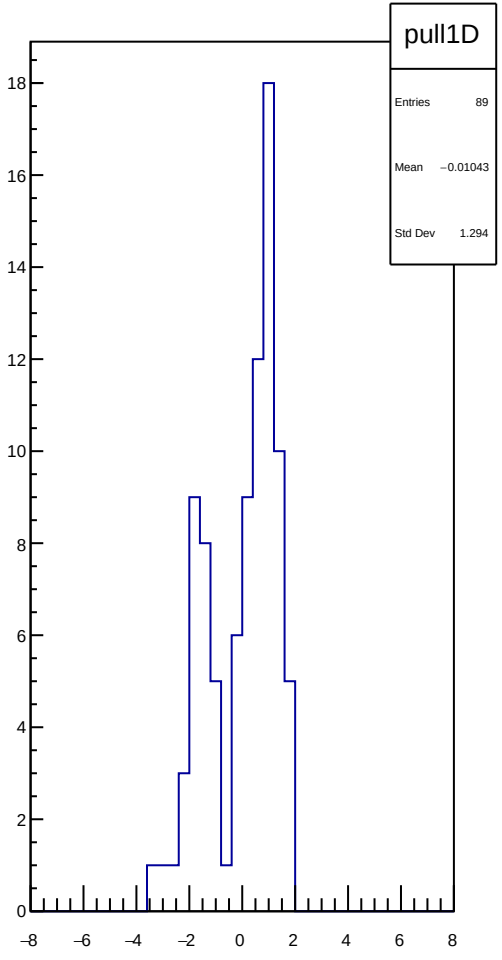

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 94.39 / 88
p0 1.169 ± 0.8253
pull
Entries 89
Mean 936.8
Std Dev 884.8

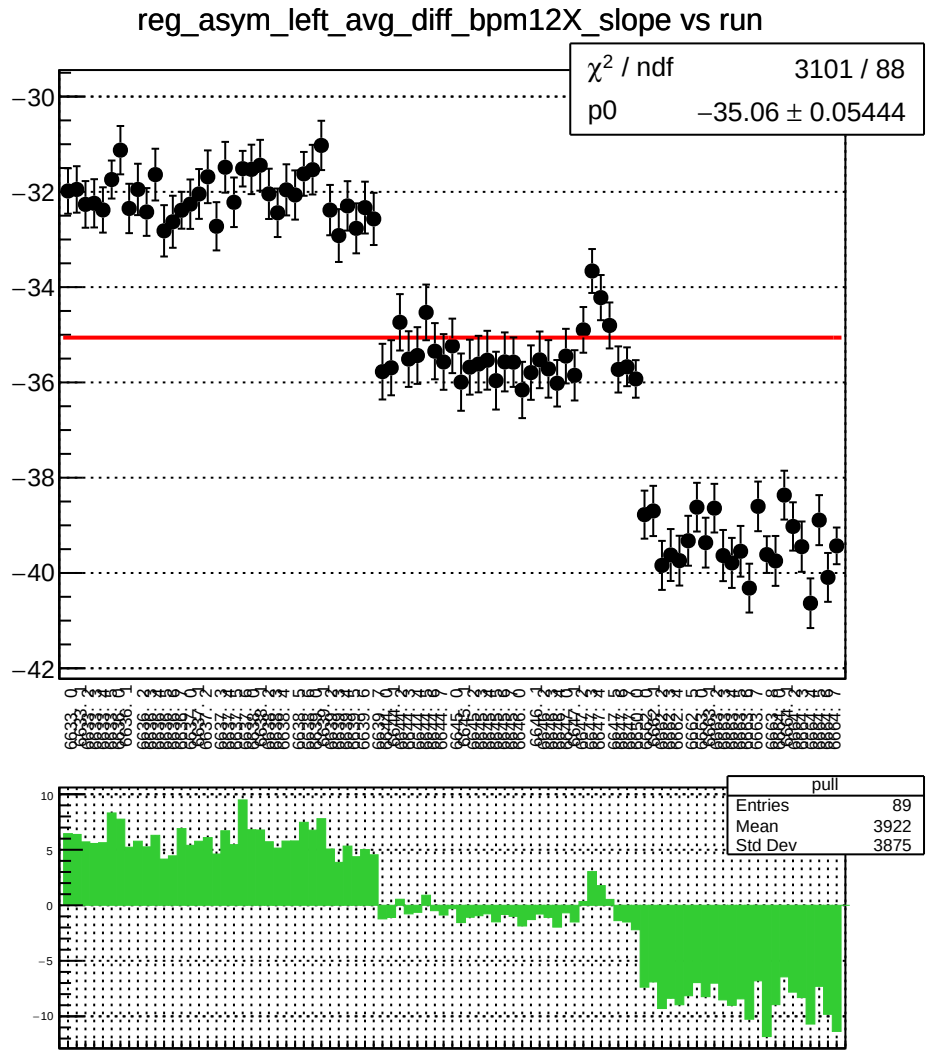

pull1D
Entries 89
Mean 0.02002
Std Dev 1.03

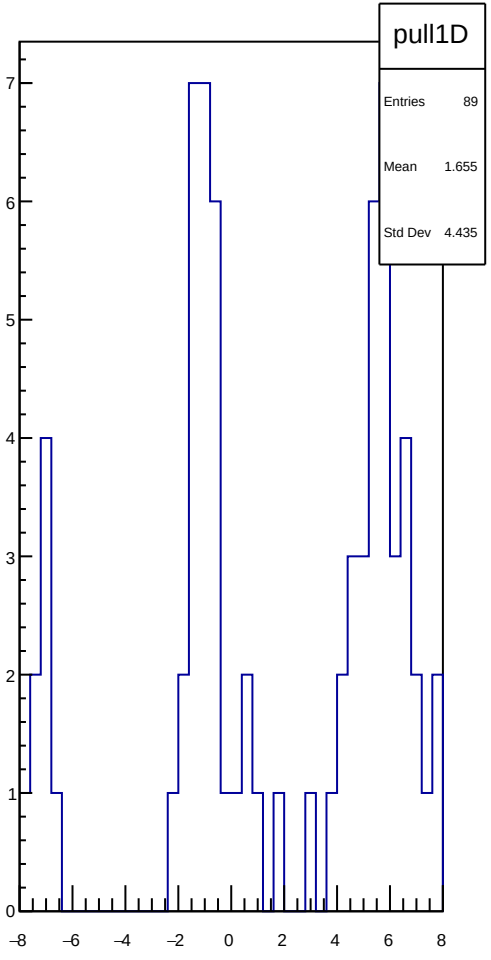

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 103.4 / 88
p0 35.15 ± 1.241
pull
Entries 89
Mean 347.6
Std Dev 299.8

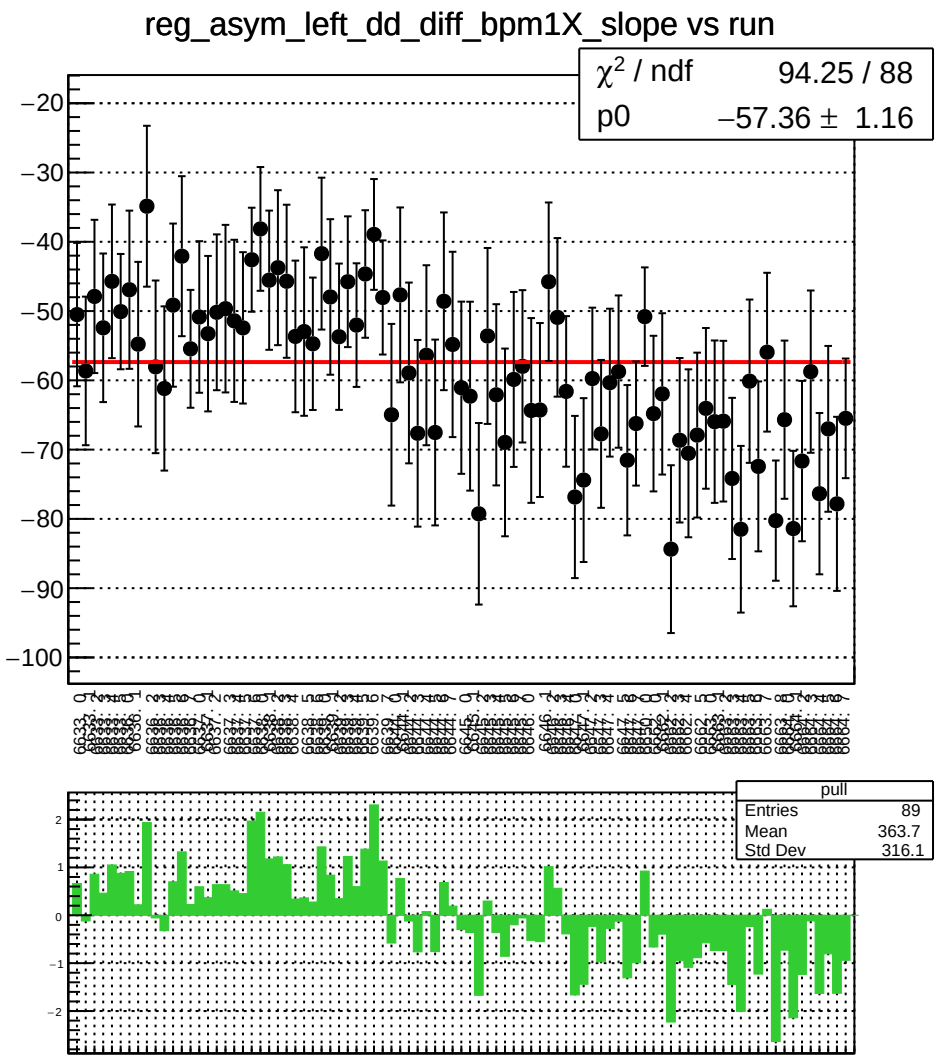

pull1D
Entries 89
Mean 0.06615
Std Dev 1.076

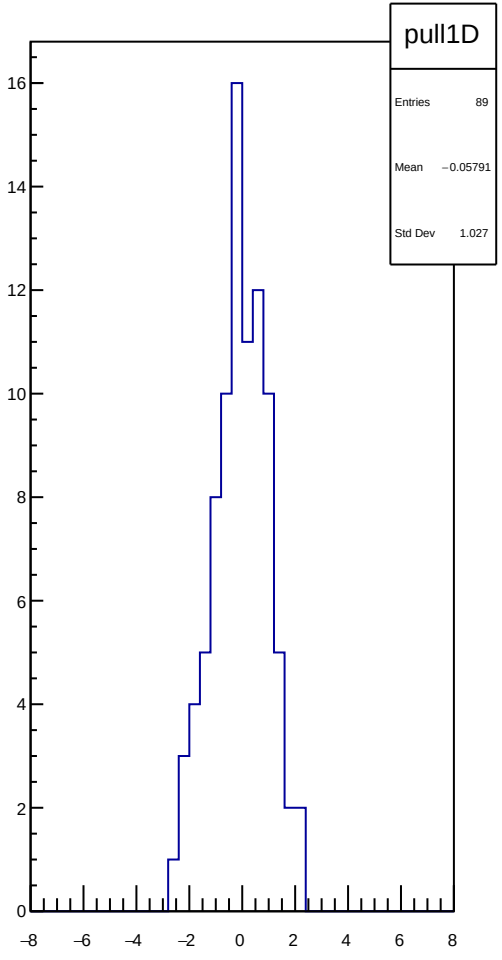

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 149 / 88
p0 16.14 ± 0.9792
pull
Entries 89
Mean 2231
Std Dev 2179

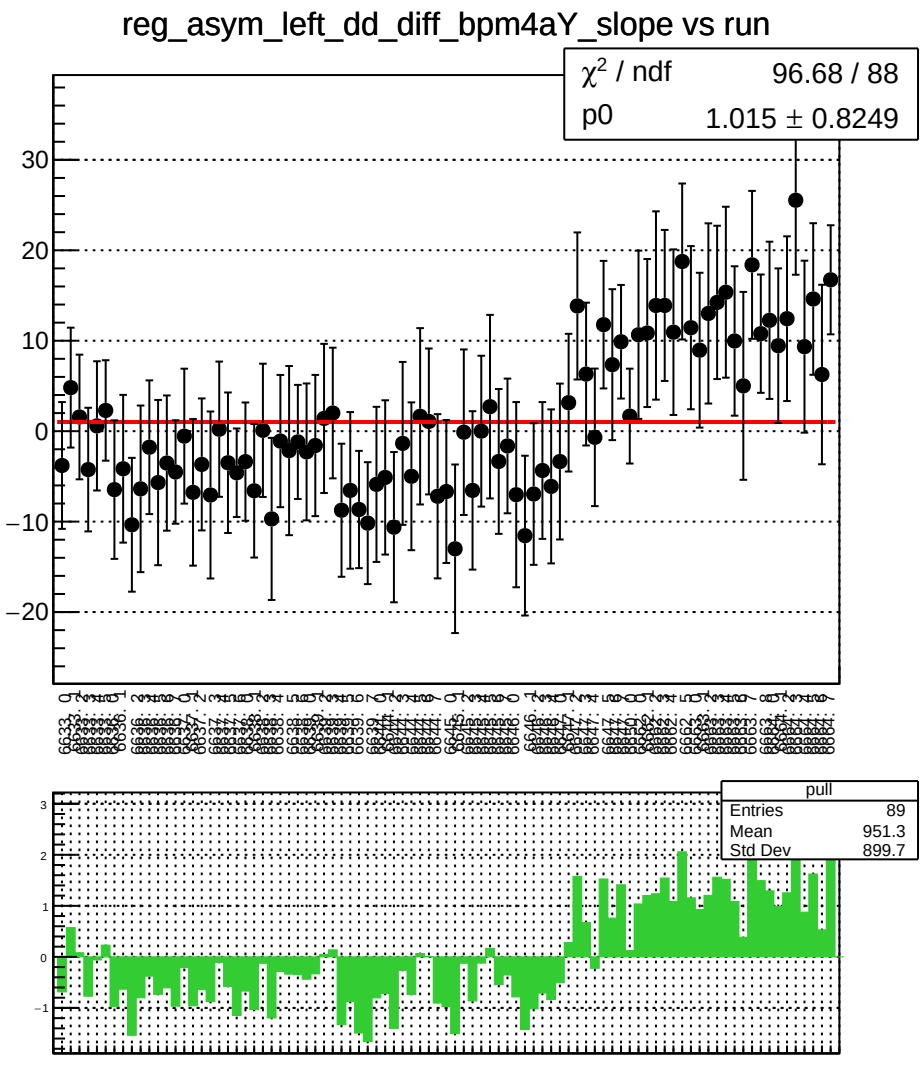

pull1D
Entries 89
Mean −0.01043
Std Dev 1.294

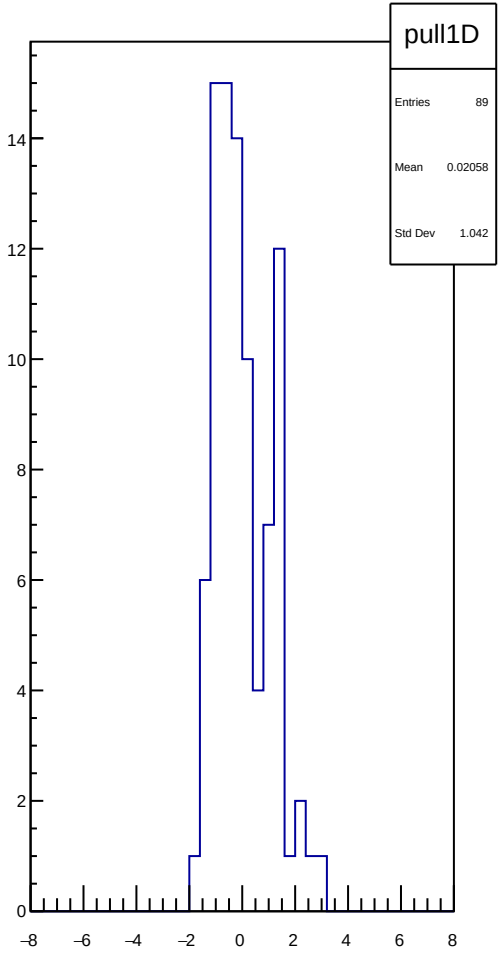

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 3101 / 88
p0 −35.06 ± 0.05444
pull
Entries 89
Mean 3922
Std Dev 3875

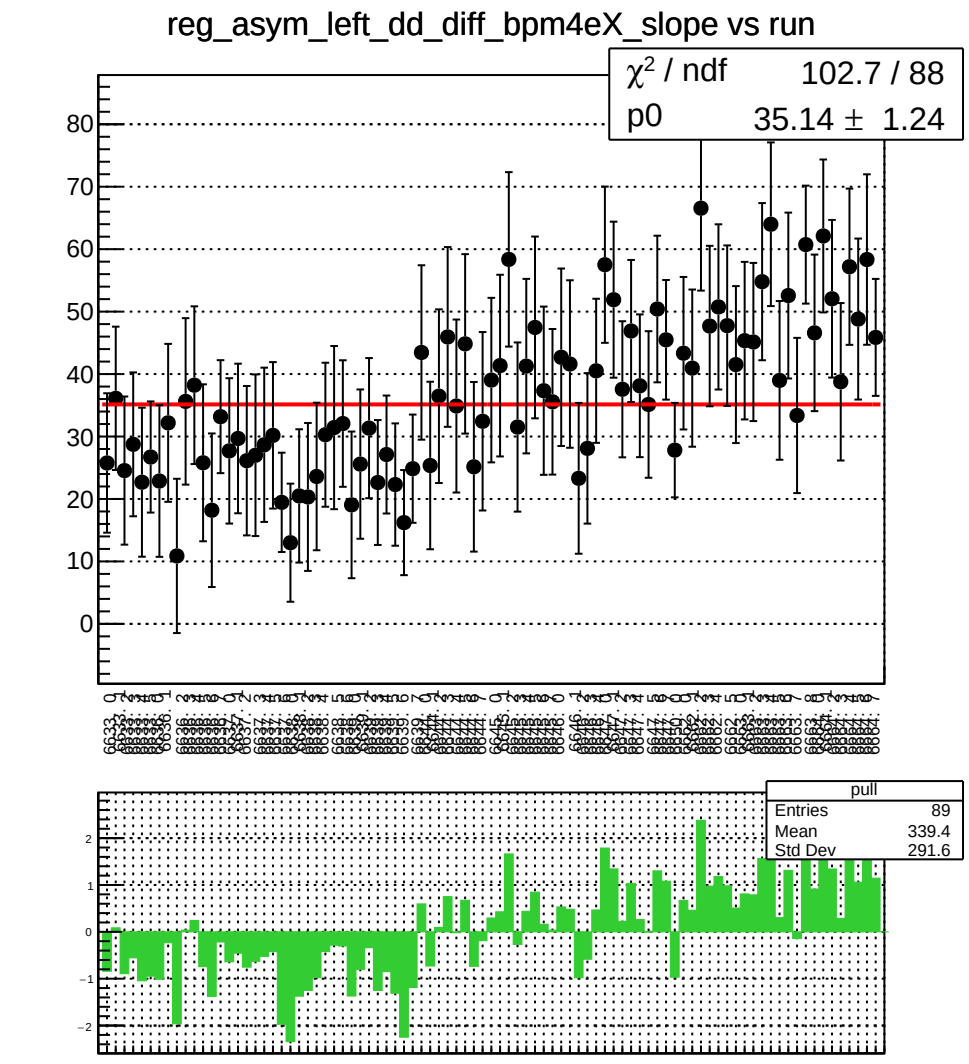

pull1D
Entries 89
Mean 1.655
Std Dev 4.435

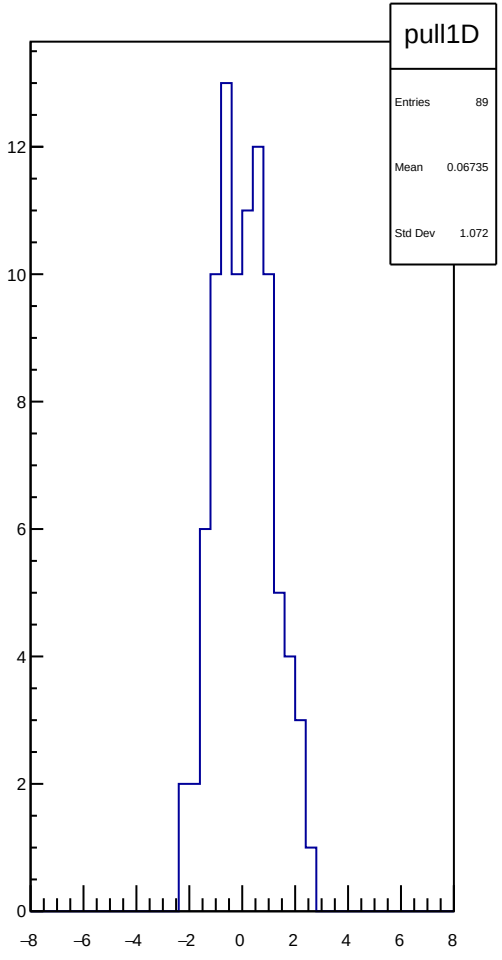

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 94.25 / 88
p0 −57.36 ± 1.16
pull
Entries 89
Mean 363.7
Std Dev 316.1

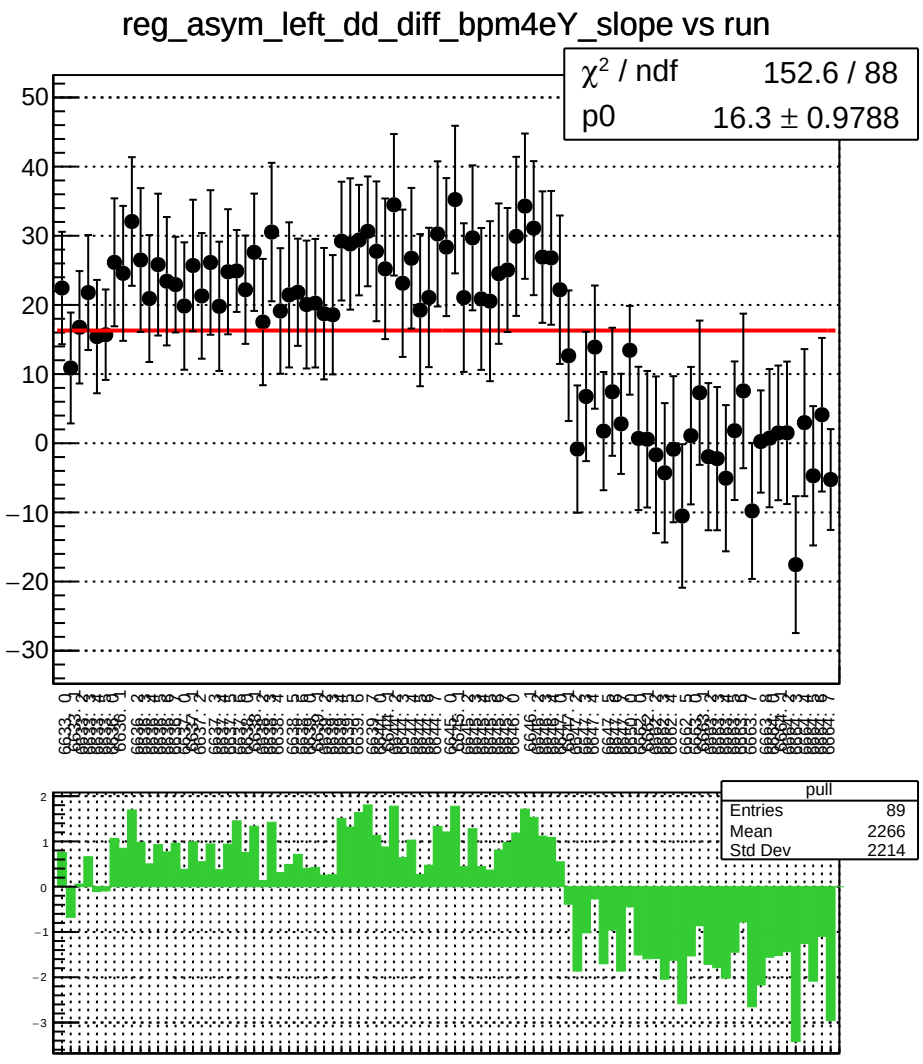

pull1D
Entries 89
Mean −0.05791
Std Dev 1.027

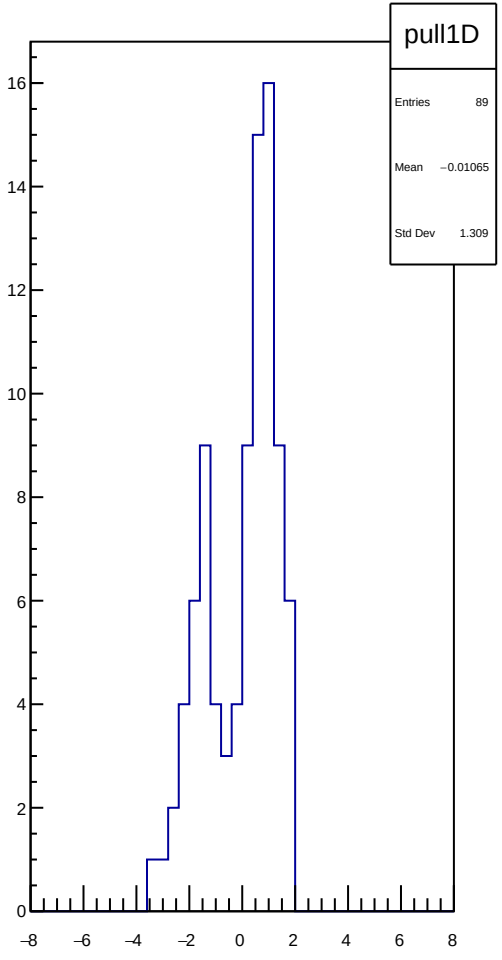

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 96.68 / 88
p0 1.015 ± 0.8249
pull
Entries 89
Mean 951.3
Std Dev 899.7

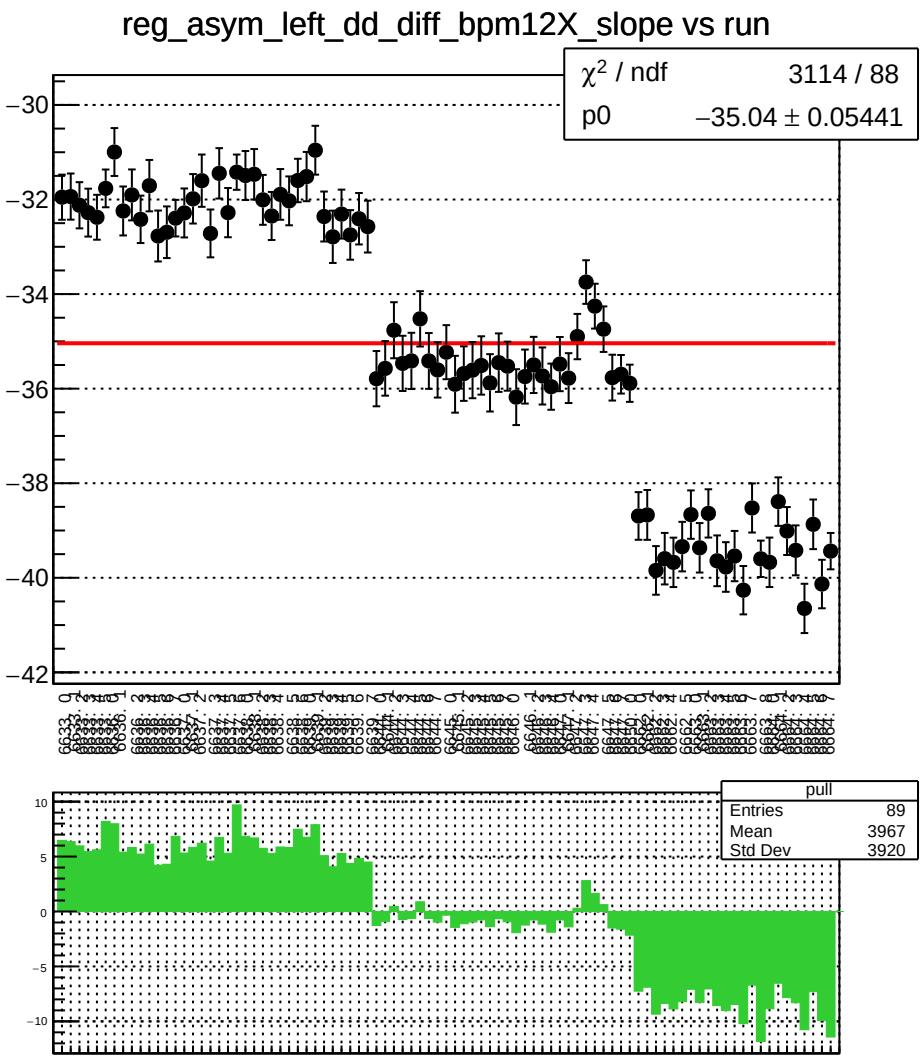

pull1D
Entries 89
Mean 0.02058
Std Dev 1.042

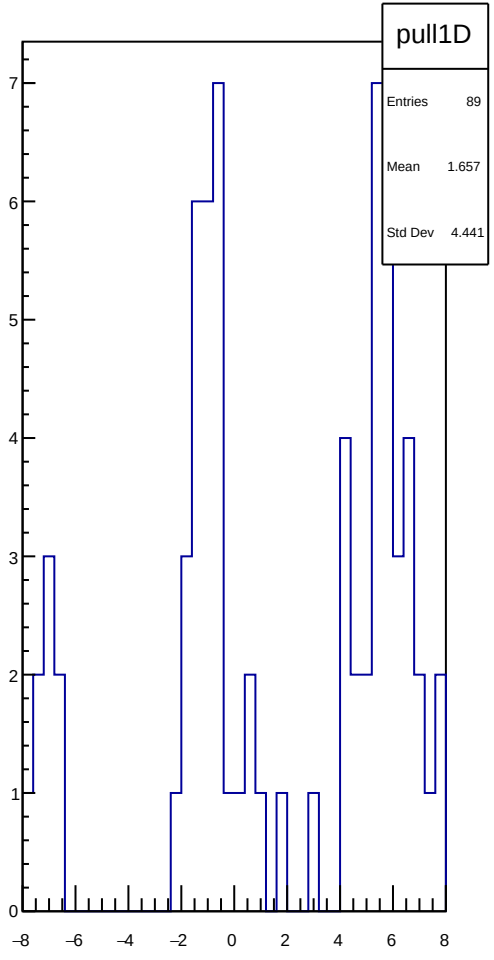

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.7 / 88
p0 35.14 ± 1.24
pull
Entries 89
Mean 339.4
Std Dev 291.6

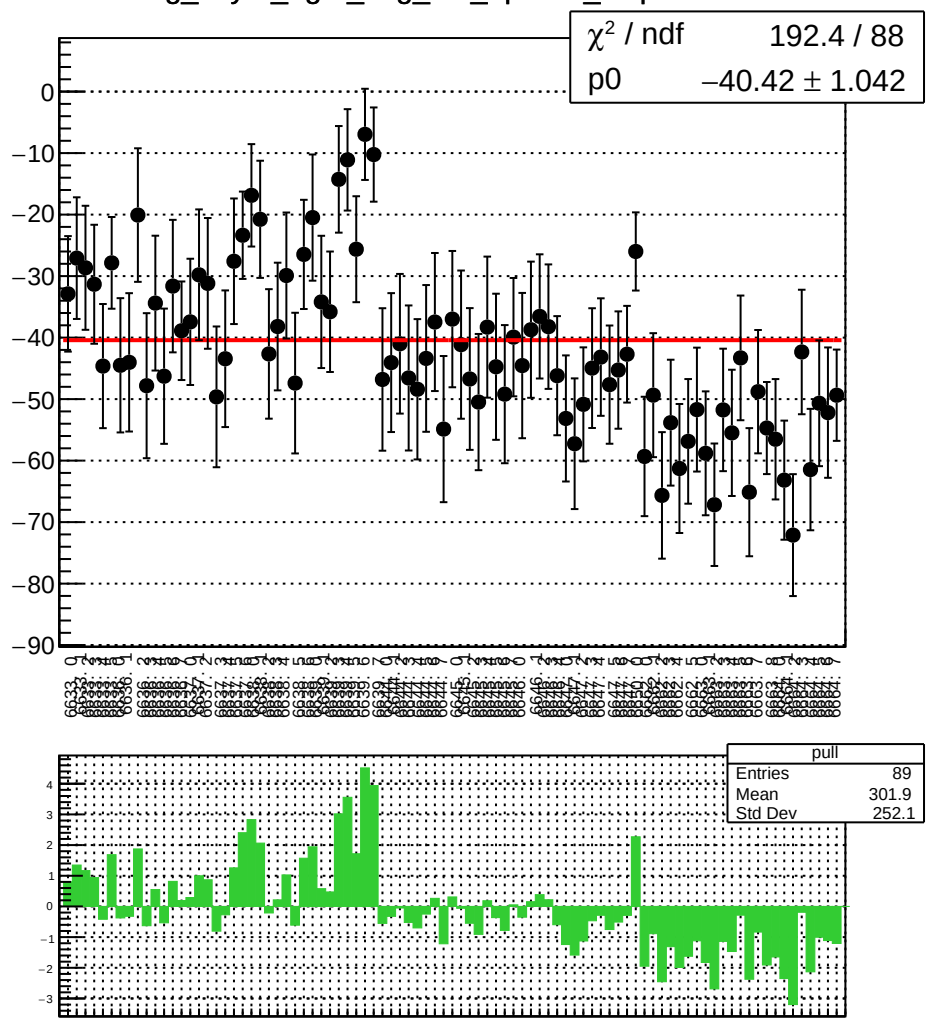

pull1D
Entries 89
Mean 0.06735
Std Dev 1.072

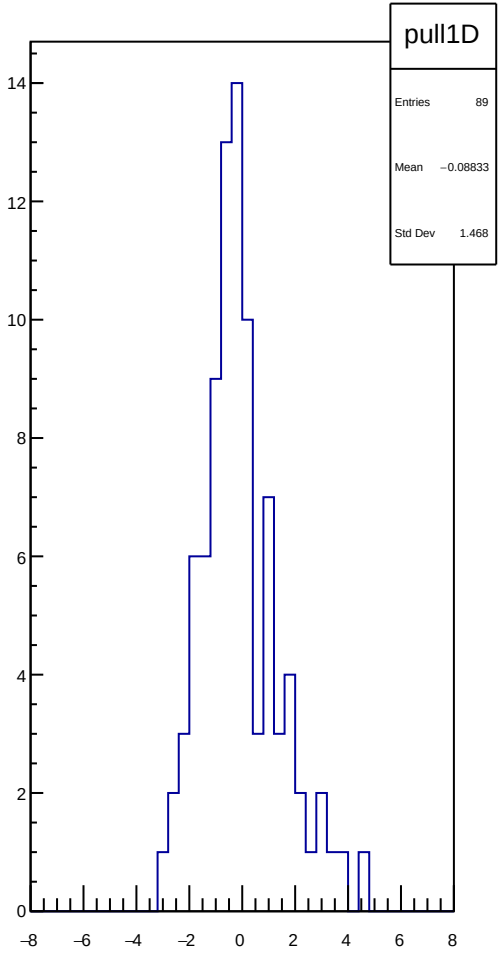

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 152.6 / 88
p0 16.3 ± 0.9788
pull
Entries 89
Mean 2266
Std Dev 2214

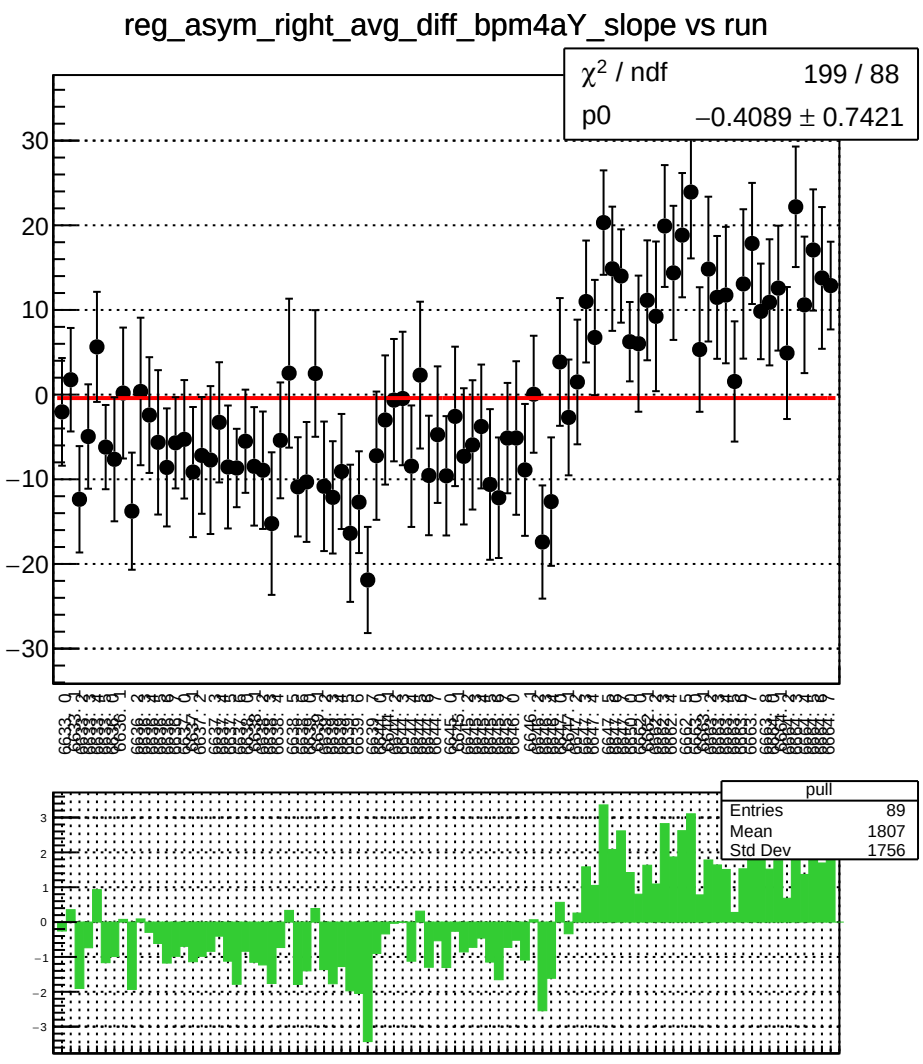

pull1D
Entries 89
Mean −0.01065
Std Dev 1.309

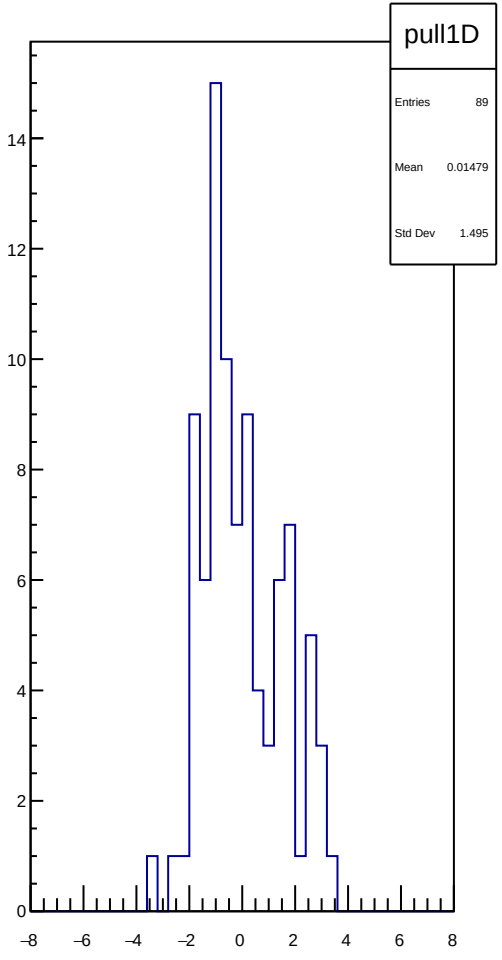

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 3114 / 88
p0 −35.04 ± 0.05441
pull
Entries 89
Mean 3967
Std Dev 3920

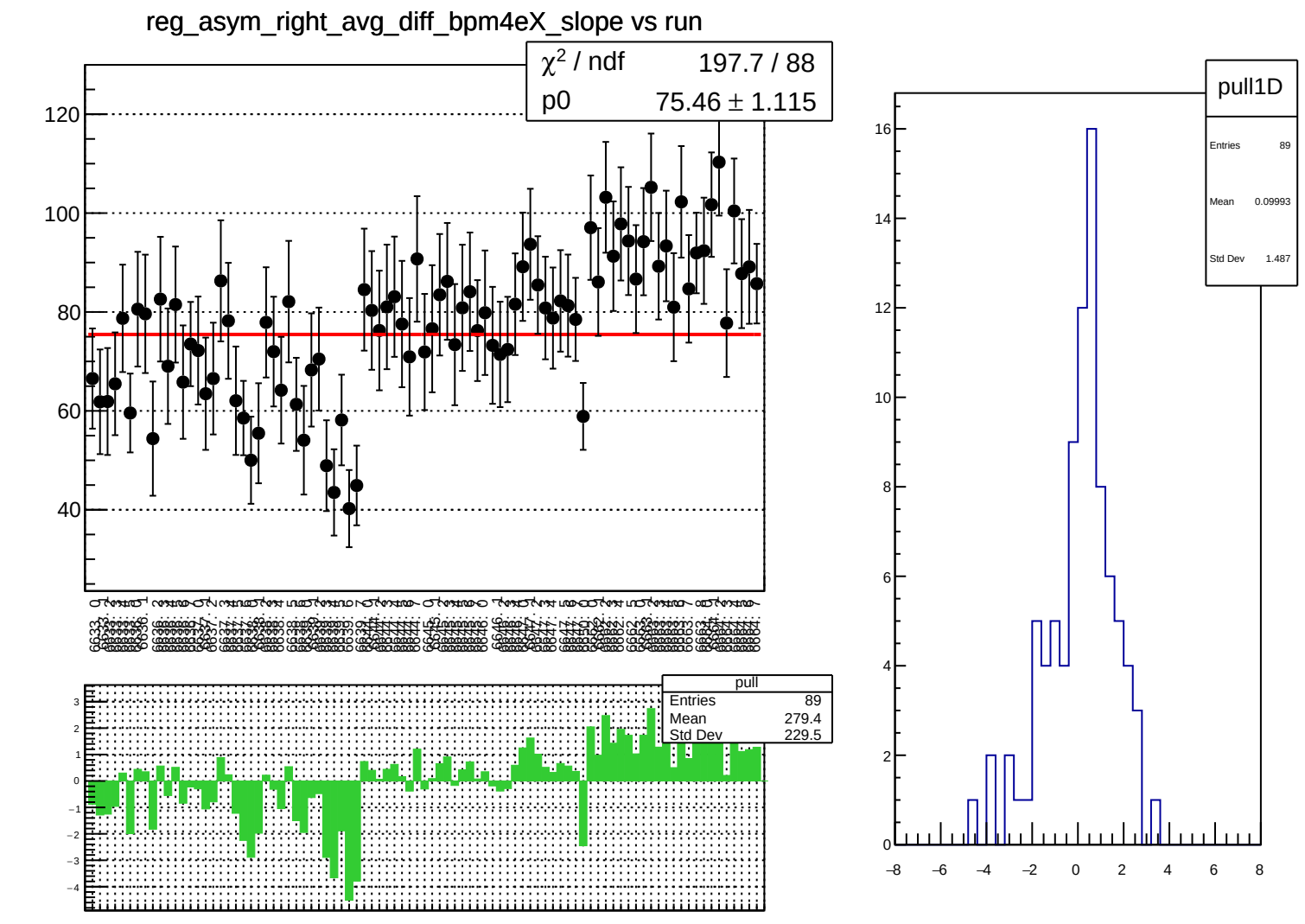

pull1D
Entries 89
Mean 1.657
Std Dev 4.441

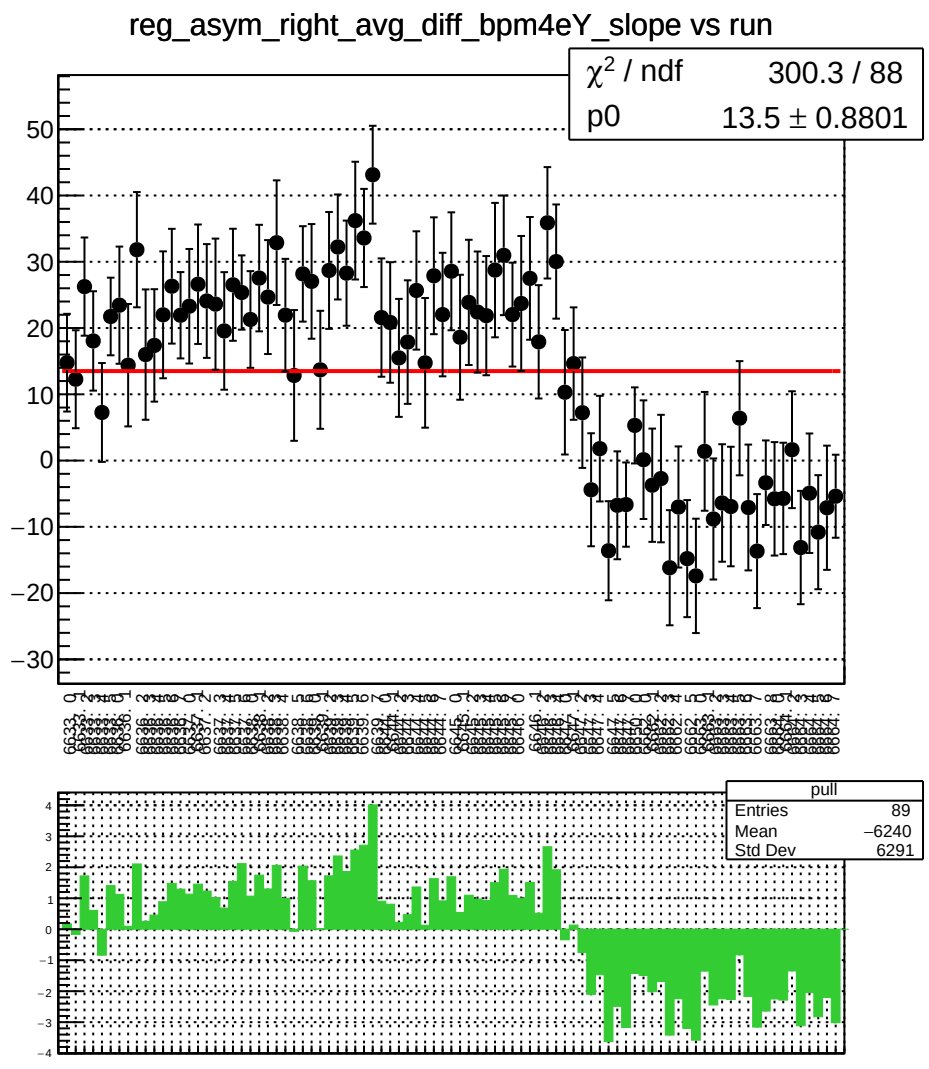

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 192.4 / 88
p0 −40.42 ± 1.042
pull
Entries 89
Mean 301.9
Std Dev 252.1

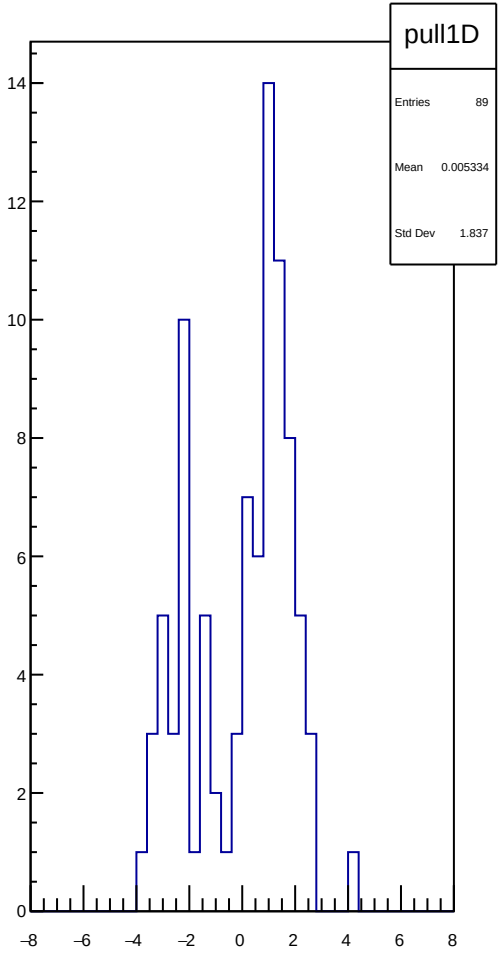

pull1D
Entries 89
Mean −0.08833
Std Dev 1.468

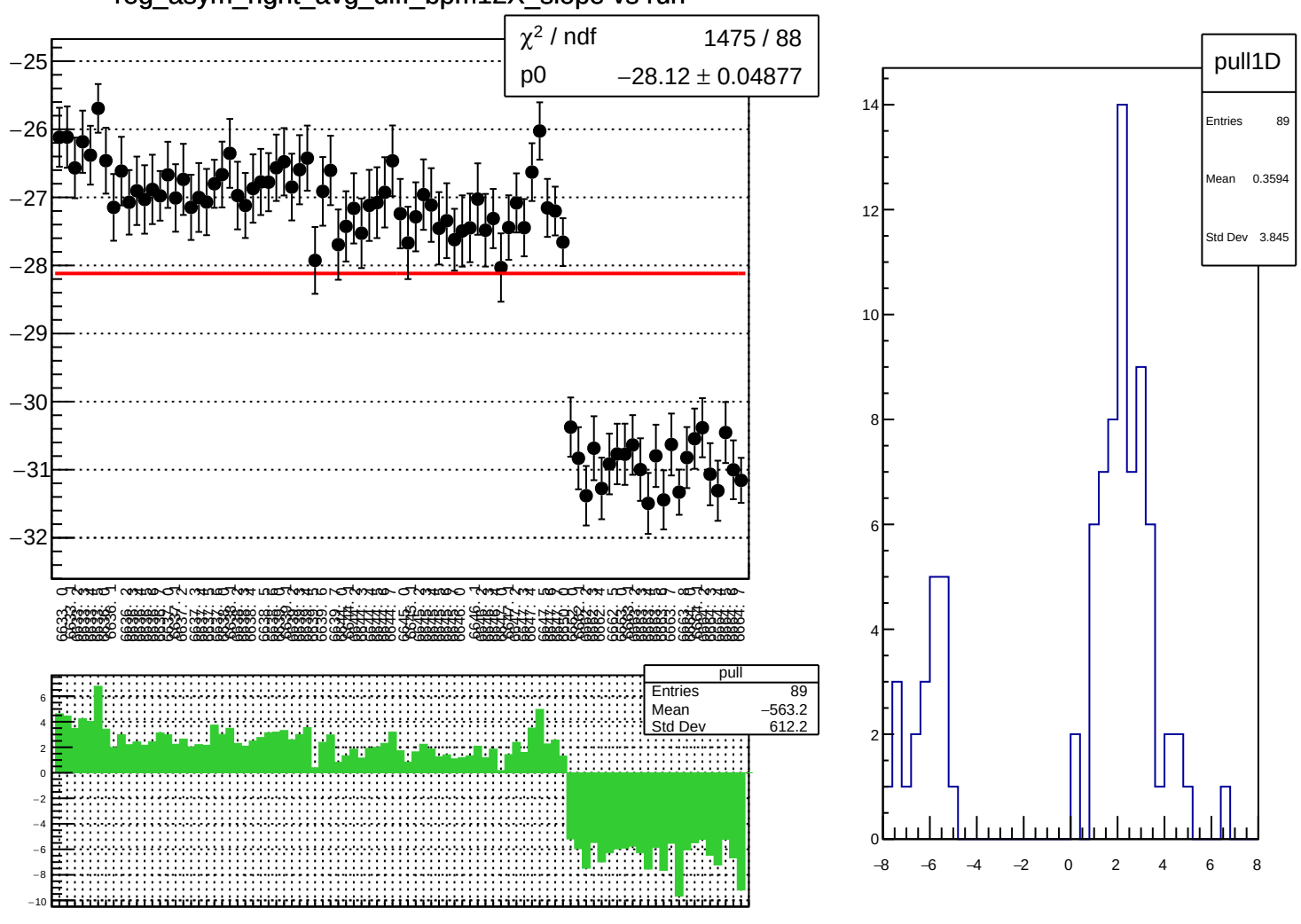

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 199 / 88
p0 −0.4089 ± 0.7421
pull
Entries 89
Mean 1807
Std Dev 1756

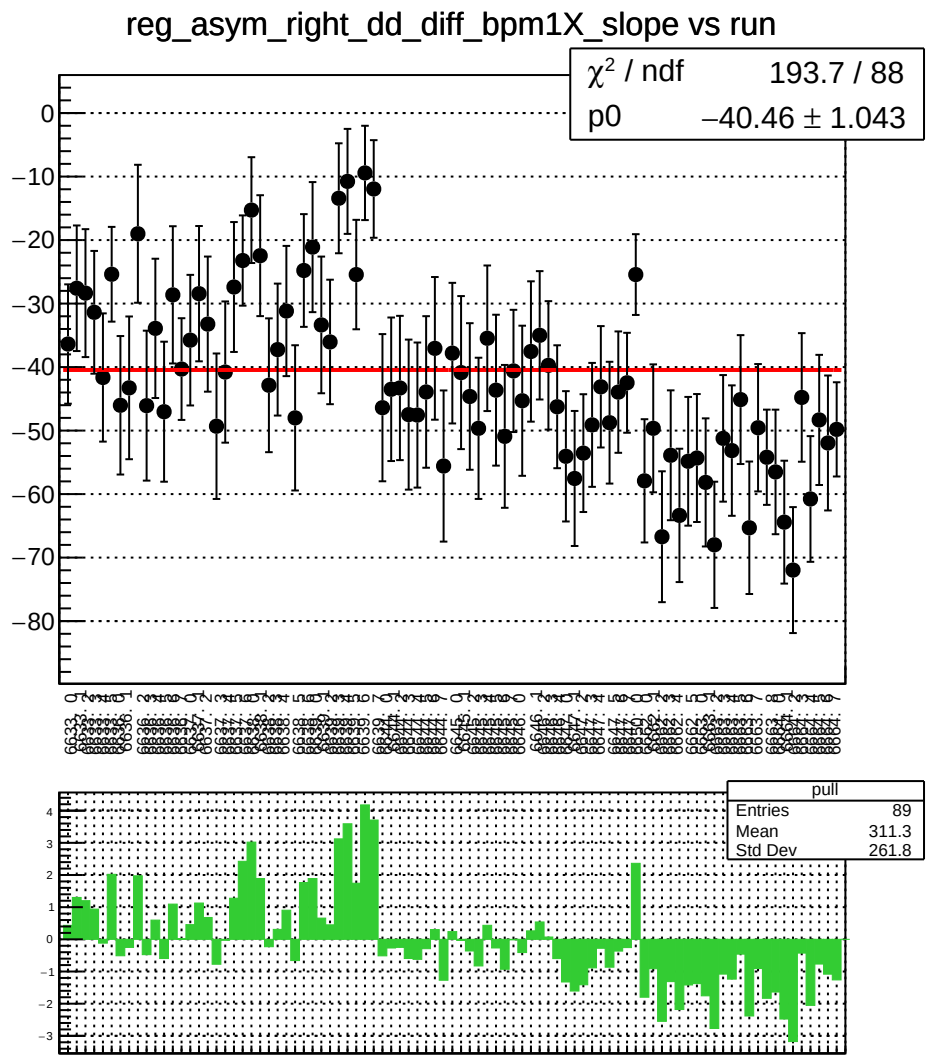

pull1D
Entries 89
Mean 0.01479
Std Dev 1.495

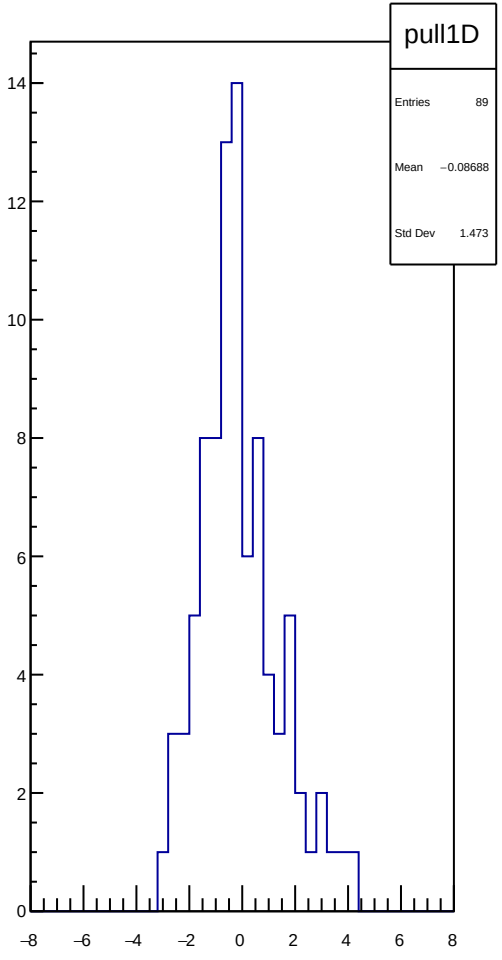

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 197.7 / 88
p0 75.46 ± 1.115
120
100
80
60
40
pull
Entries 89
Mean 279.4
Std Dev 229.5
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 89
Mean 0.09993
Std Dev 1.487
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

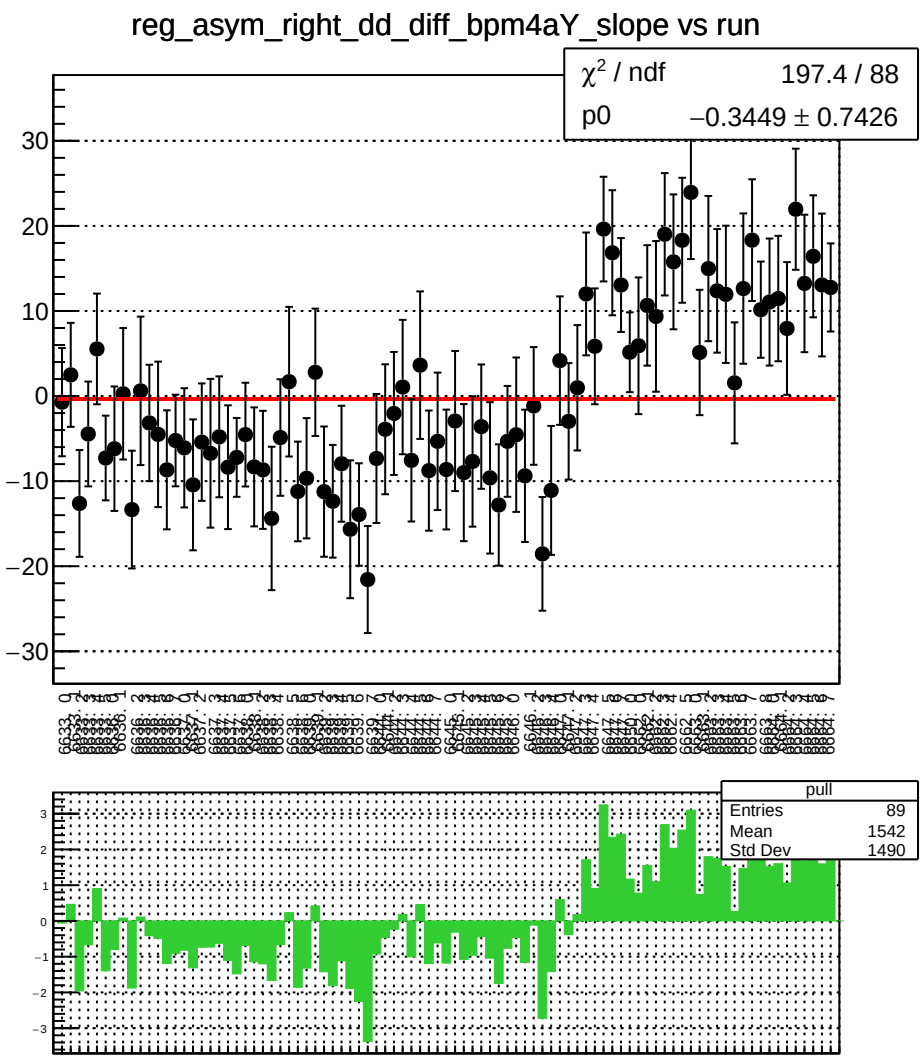

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 300.3 / 88
p0 13.5 ± 0.8801
pull
Entries 89
Mean −6240
Std Dev 6291

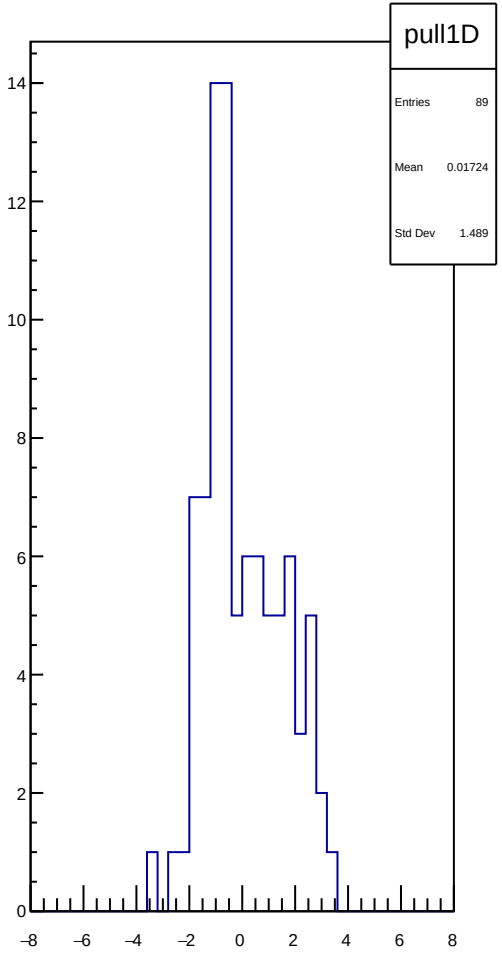

pull1D
Entries 89
Mean 0.005334
Std Dev 1.837

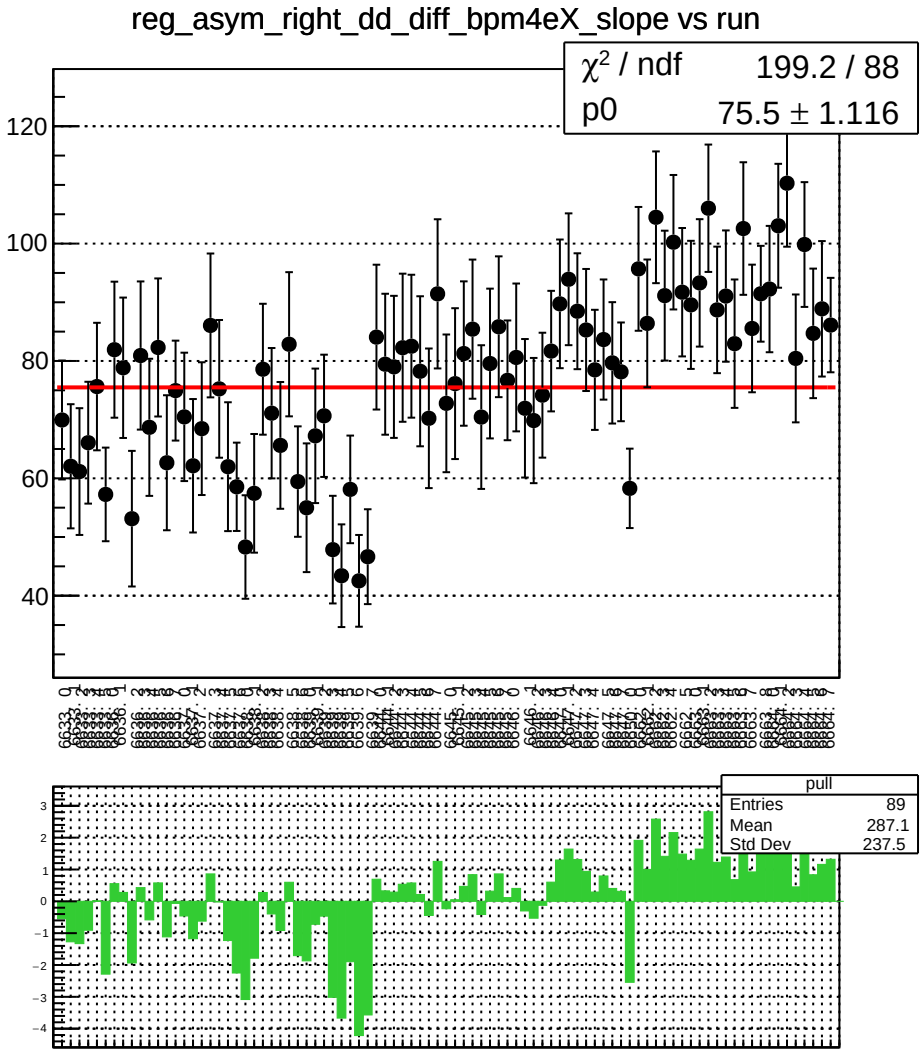

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 1475 / 88
p0 −28.12 ± 0.04877
pull
Entries 89
Mean −563.2
Std Dev 612.2
pull1D
Entries 89
Mean 0.3594
Std Dev 3.845

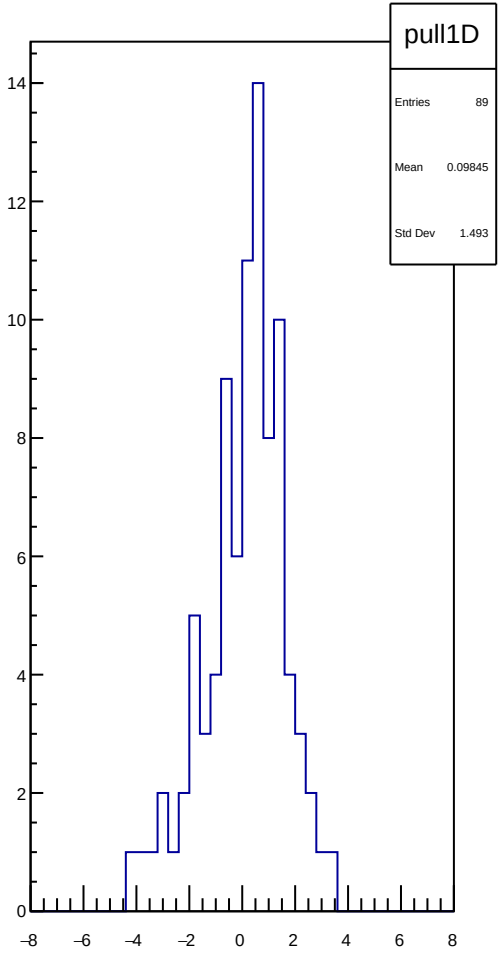

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 193.7 / 88
p0 −40.46 ± 1.043
pull
Entries 89
Mean 311.3
Std Dev 261.8

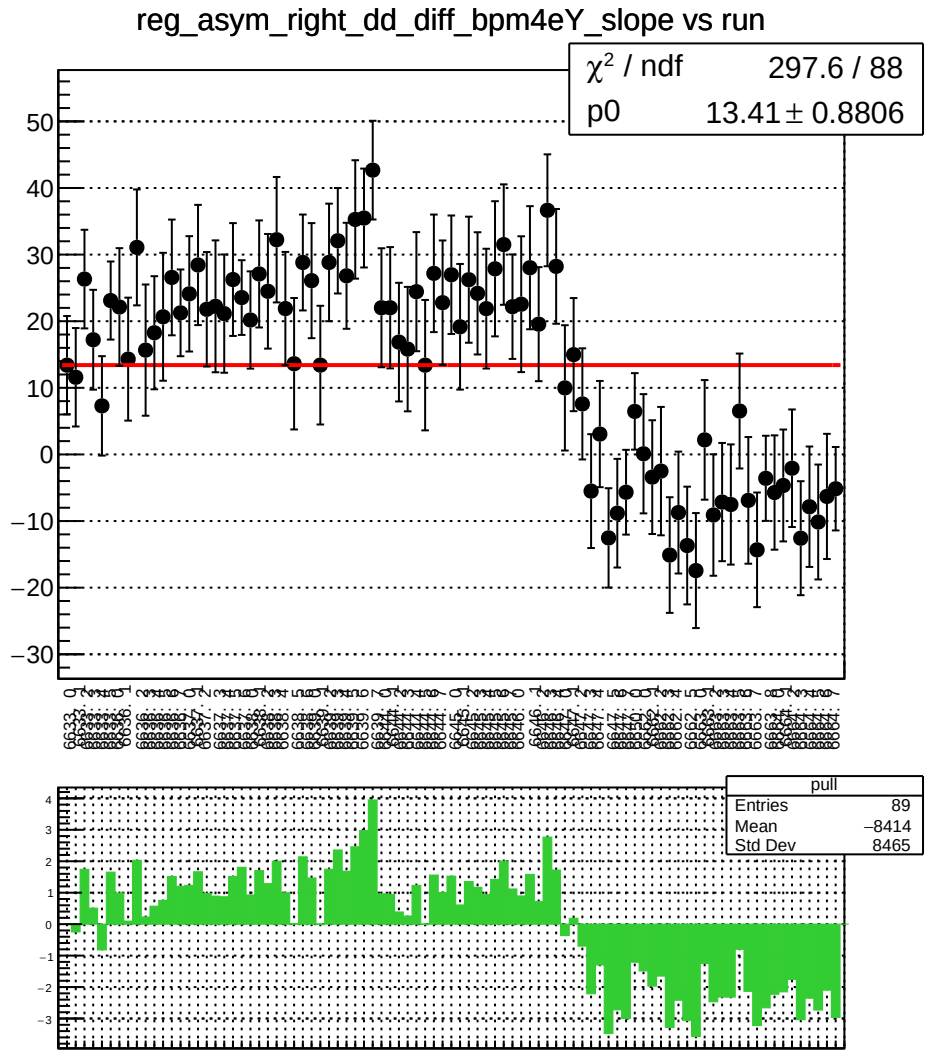

pull1D
Entries 89
Mean −0.08688
Std Dev 1.473

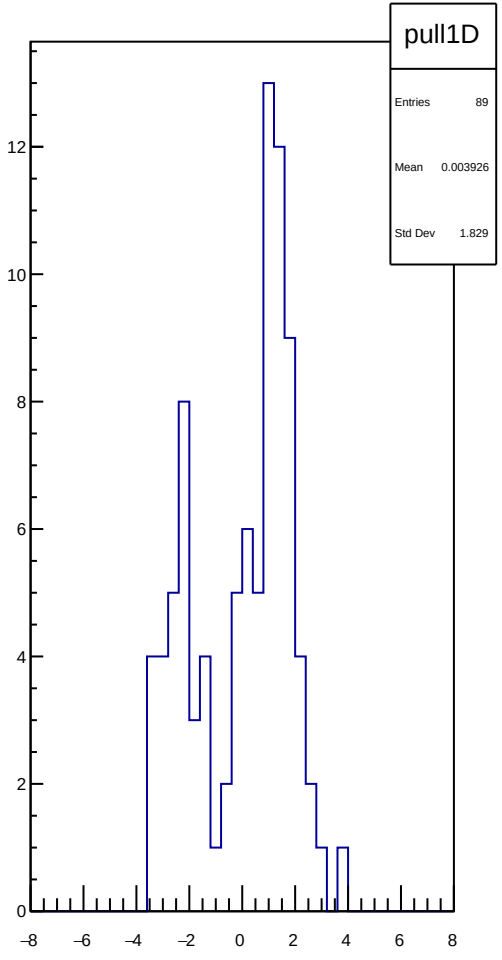

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 197.4 / 88
p0 −0.3449 ± 0.7426
pull
Entries 89
Mean 1542
Std Dev 1490

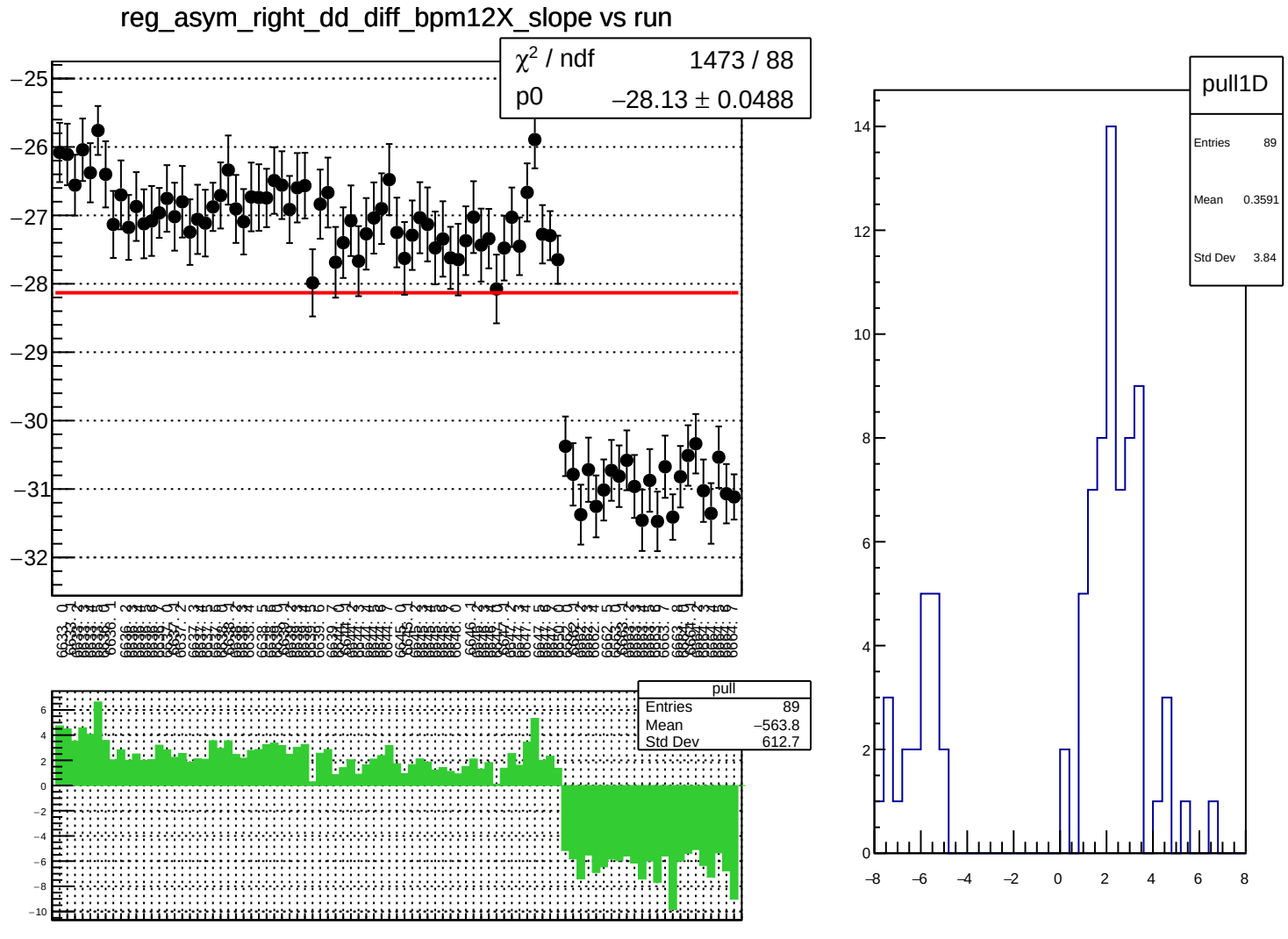

pull1D
Entries 89
Mean 0.01724
Std Dev 1.489

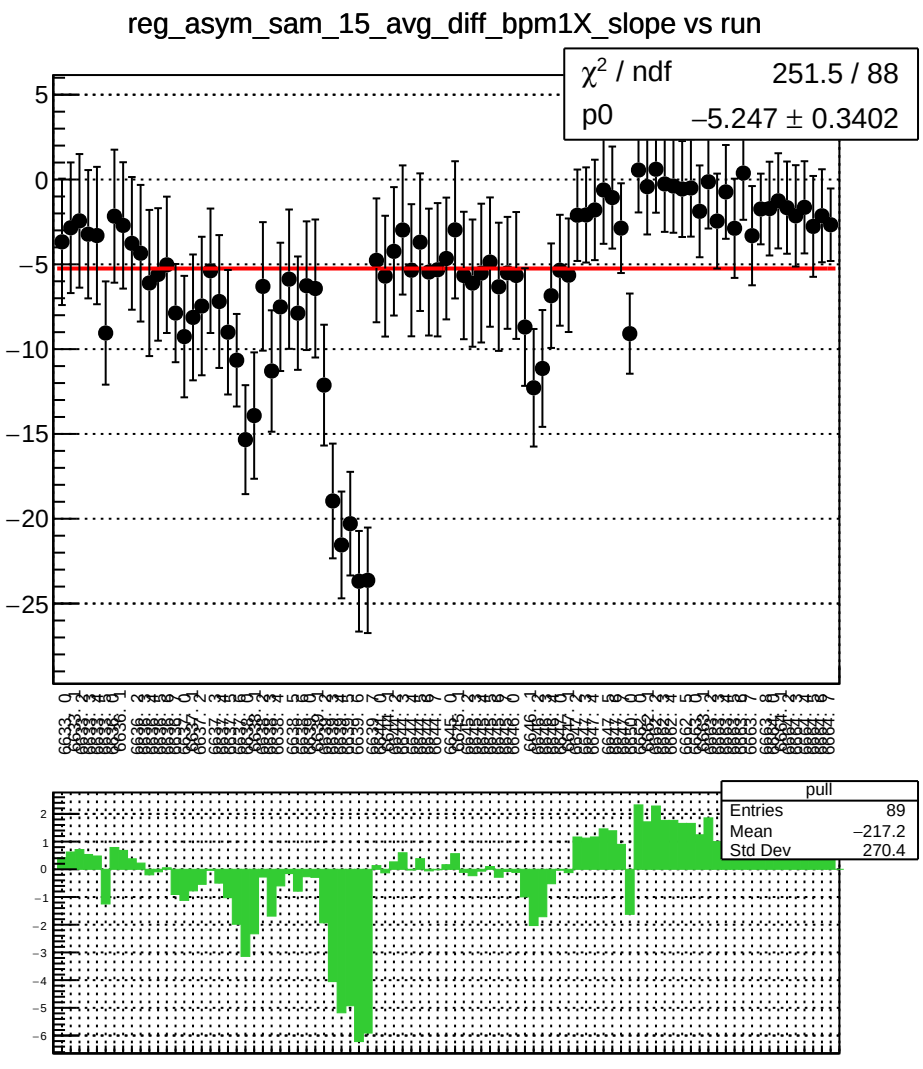

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 199.2 / 88
p0 75.5 ± 1.116
120
100
80
60
40
pull
Entries 89
Mean 287.1
Std Dev 237.5
3
2
1
0
−1
−2
−3
−4

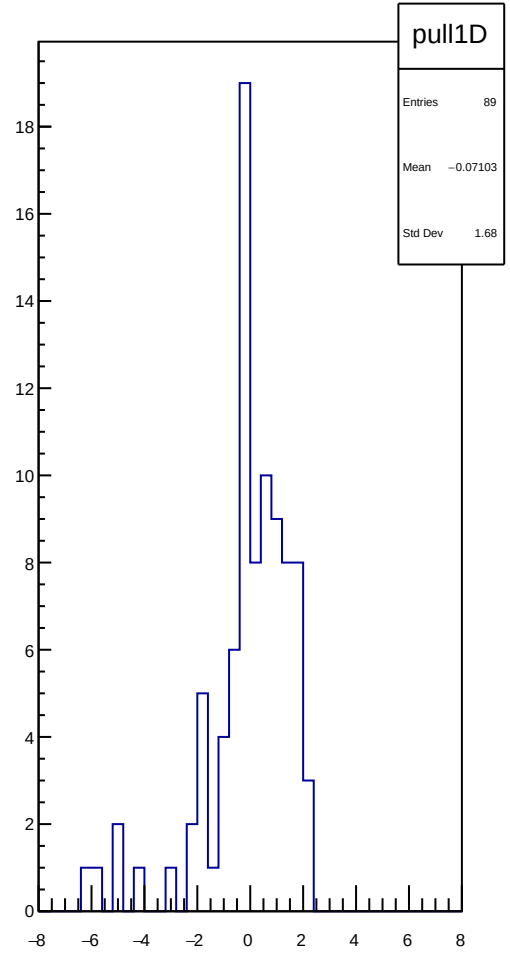

pull1D
Entries 89
Mean 0.09845
Std Dev 1.493
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

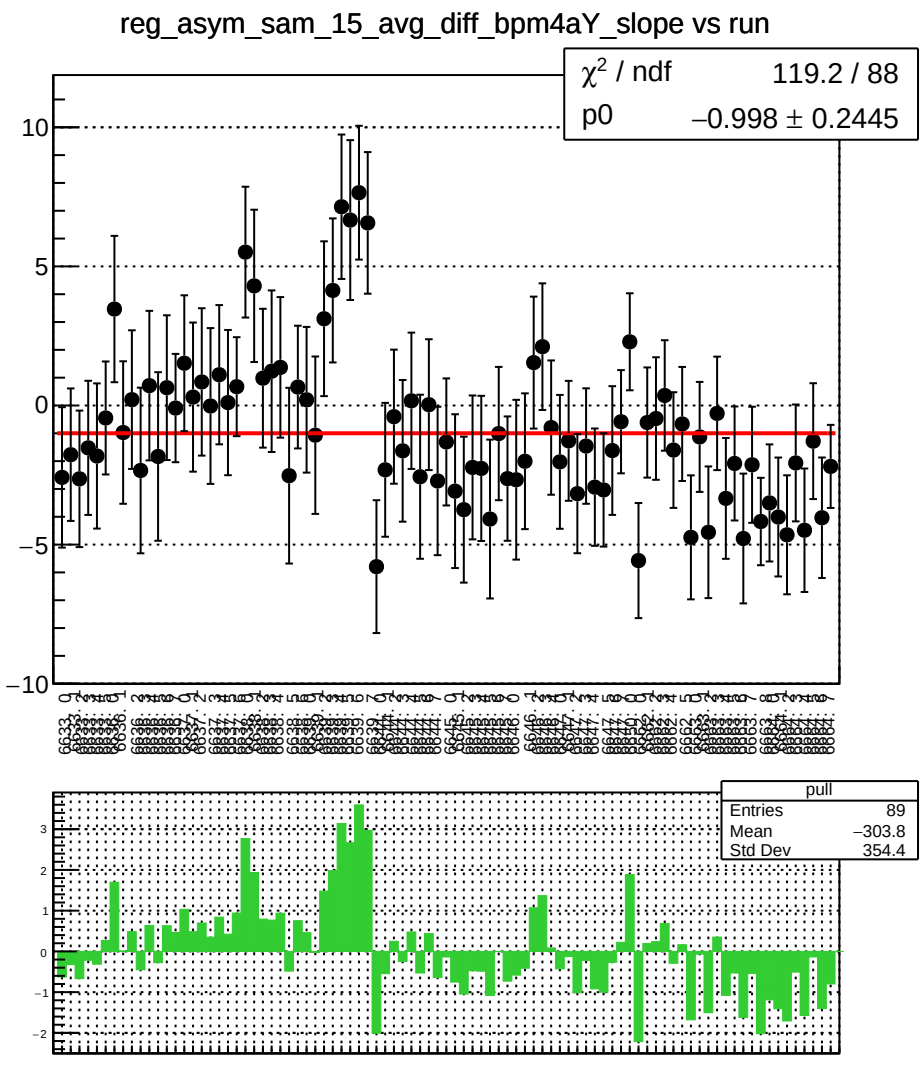

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 297.6 / 88
p0 13.41 ± 0.8806
pull
Entries 89
Mean −8414
Std Dev 8465

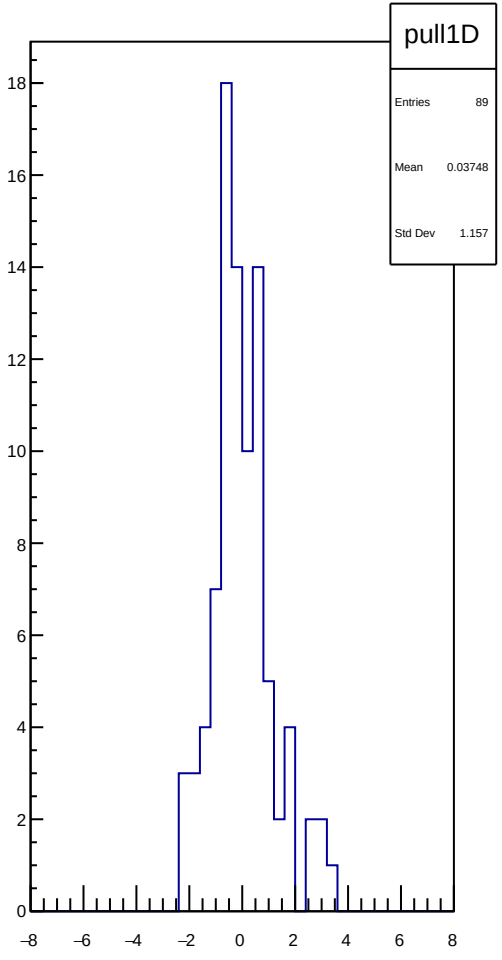

pull1D
Entries 89
Mean 0.003926
Std Dev 1.829

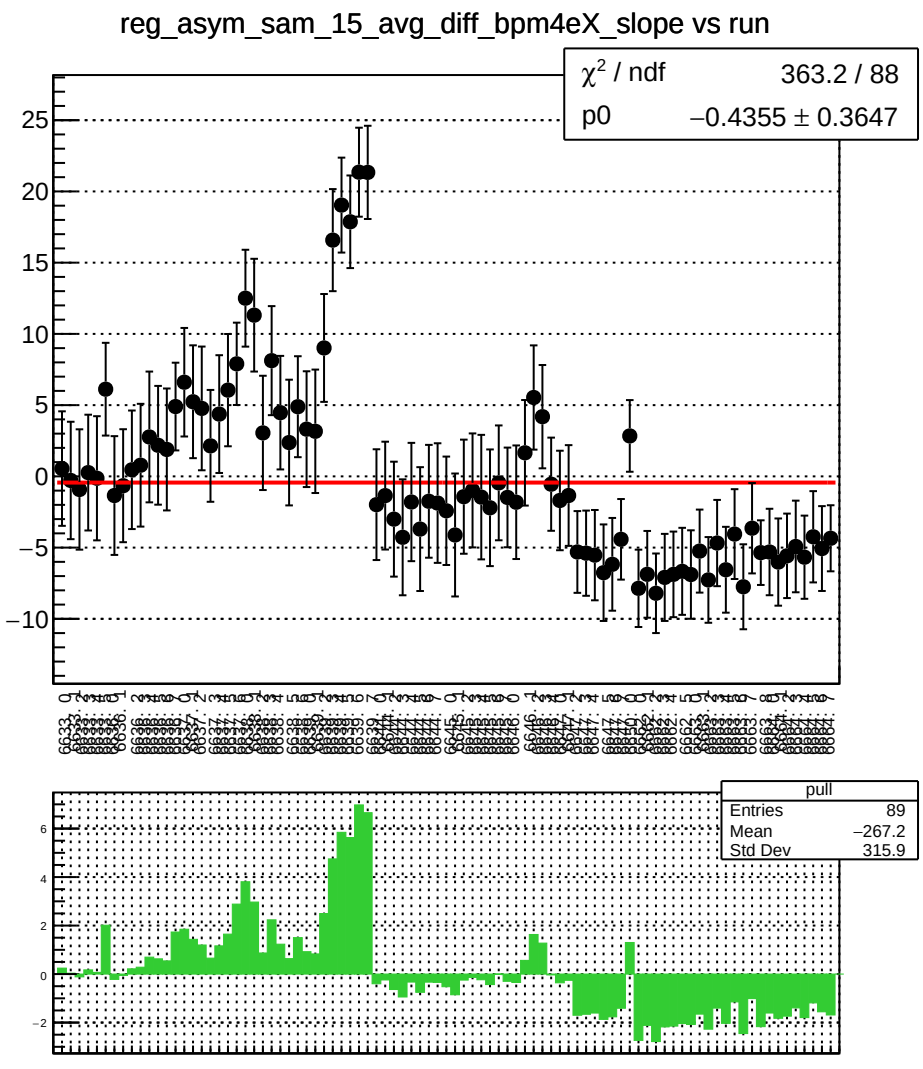

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 1473 / 88
p0 −28.13 ± 0.0488
pull
Entries 89
Mean −563.8
Std Dev 612.7
pull1D
Entries 89
Mean 0.3591
Std Dev 3.84

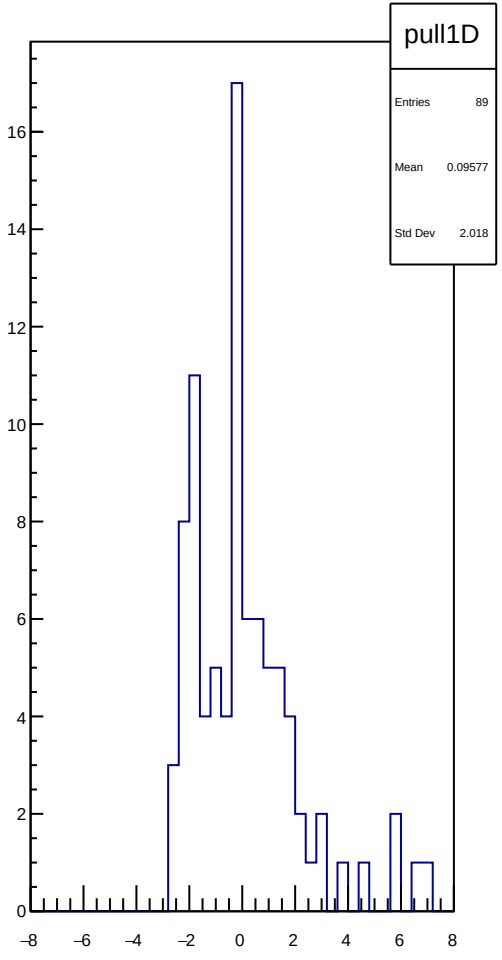

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 251.5 / 88
p0 −5.247 ± 0.3402
pull
Entries 89
Mean −217.2
Std Dev 270.4

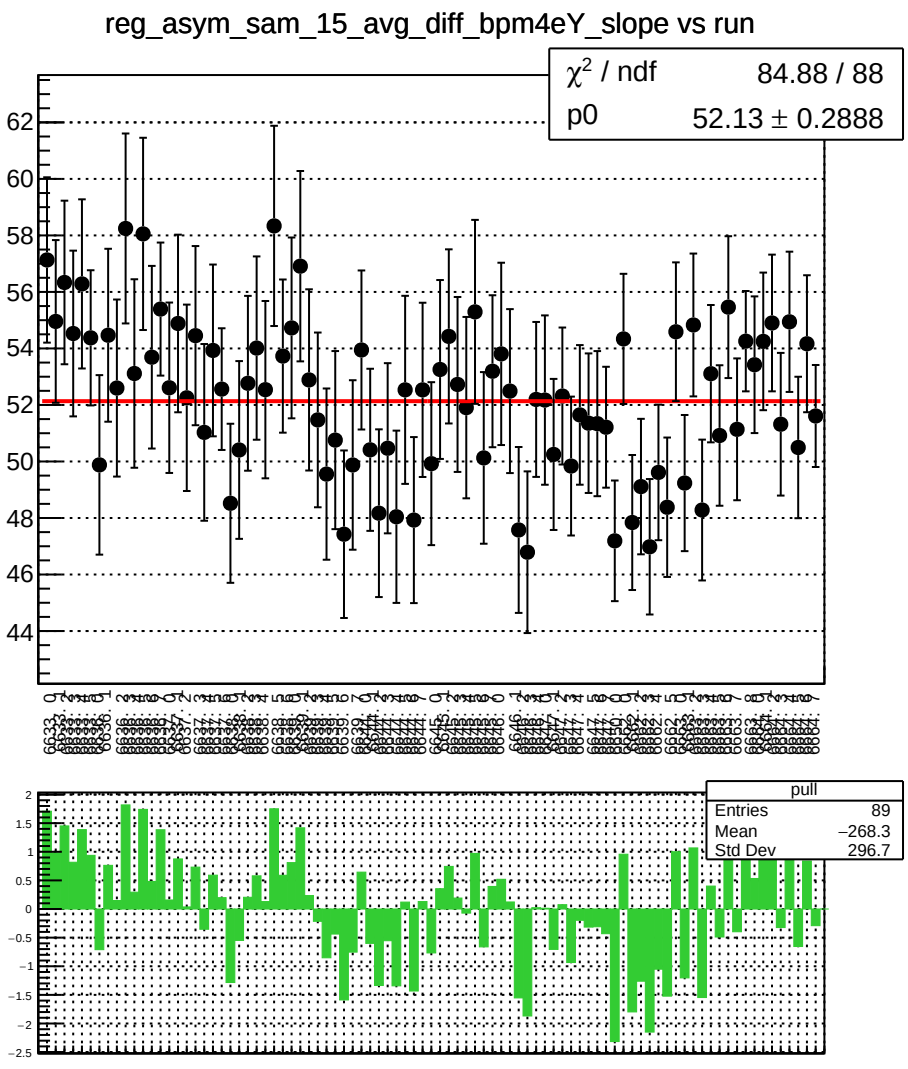

pull1D
Entries 89
Mean −0.07103
Std Dev 1.68

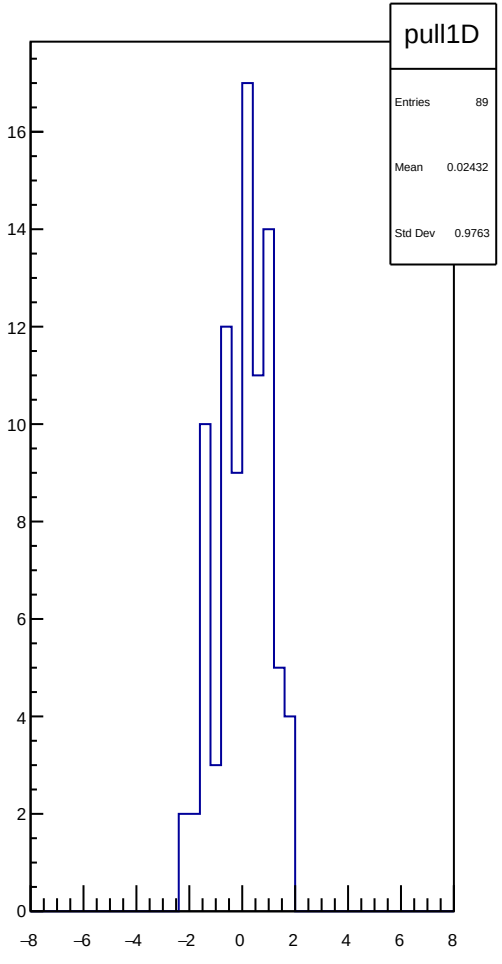

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 119.2 / 88
p0 −0.998 ± 0.2445
pull
Entries 89
Mean −303.8
Std Dev 354.4

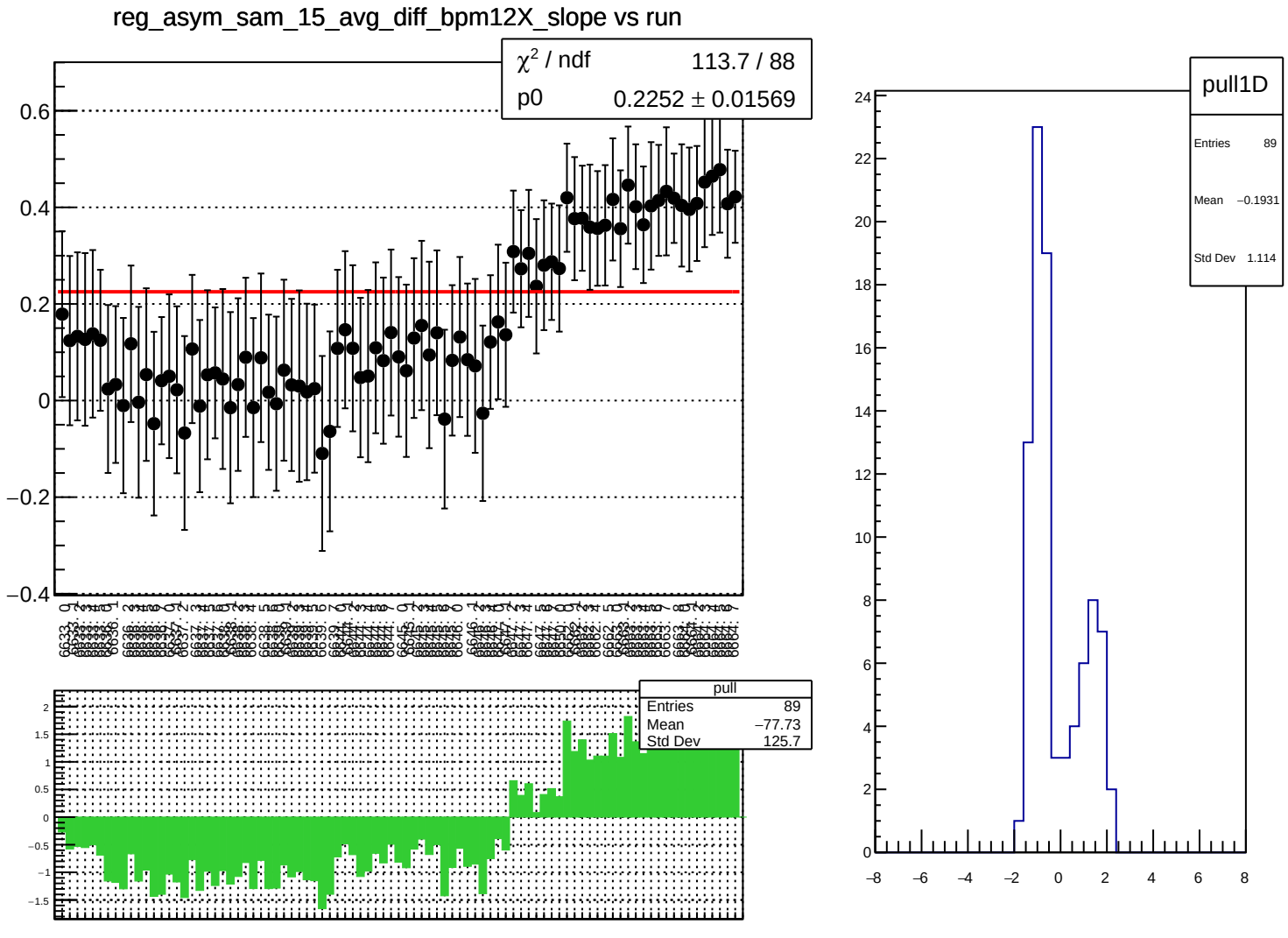

pull1D
Entries 89
Mean 0.03748
Std Dev 1.157

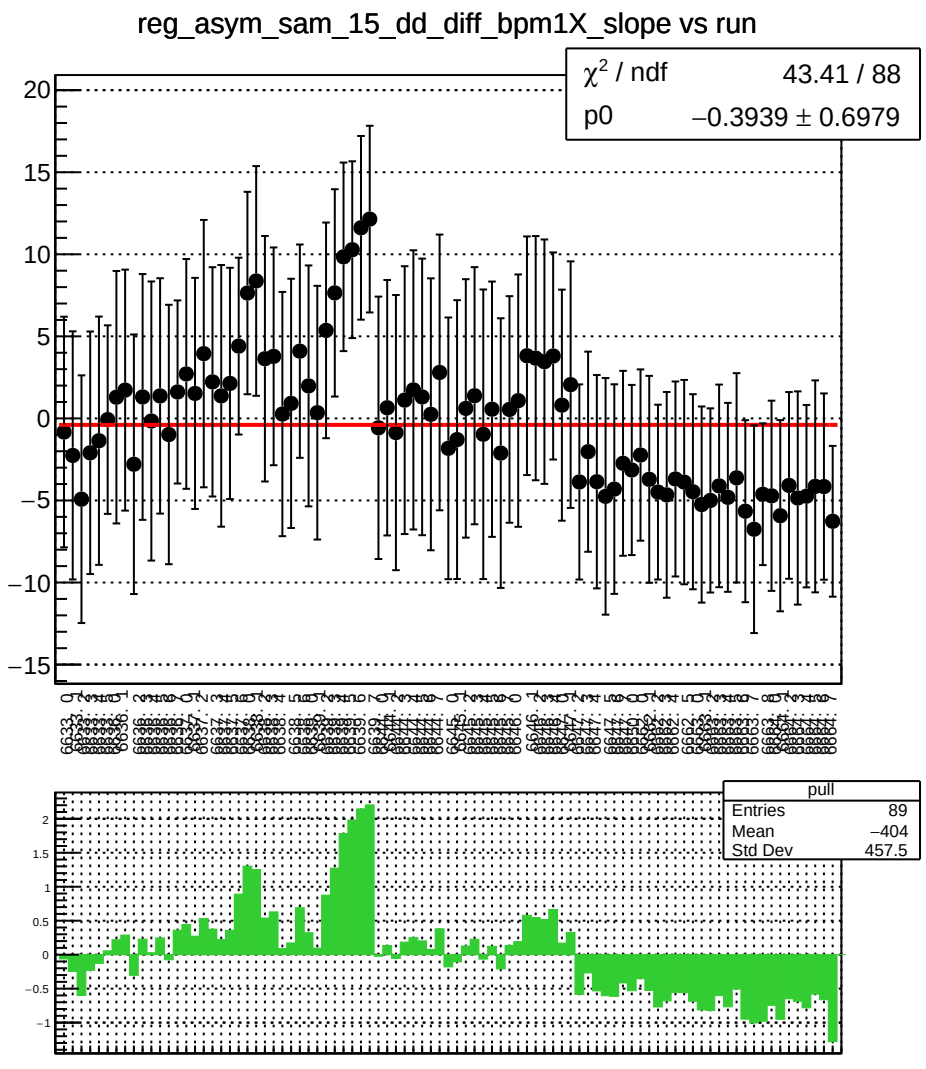

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 363.2 / 88
p0 −0.4355 ± 0.3647
pull
Entries 89
Mean −267.2
Std Dev 315.9

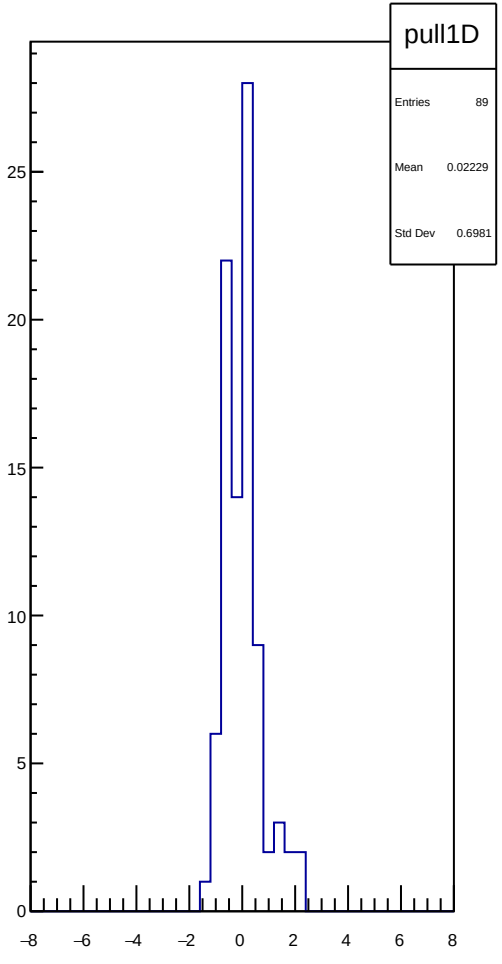

pull1D
Entries 89
Mean 0.09577
Std Dev 2.018

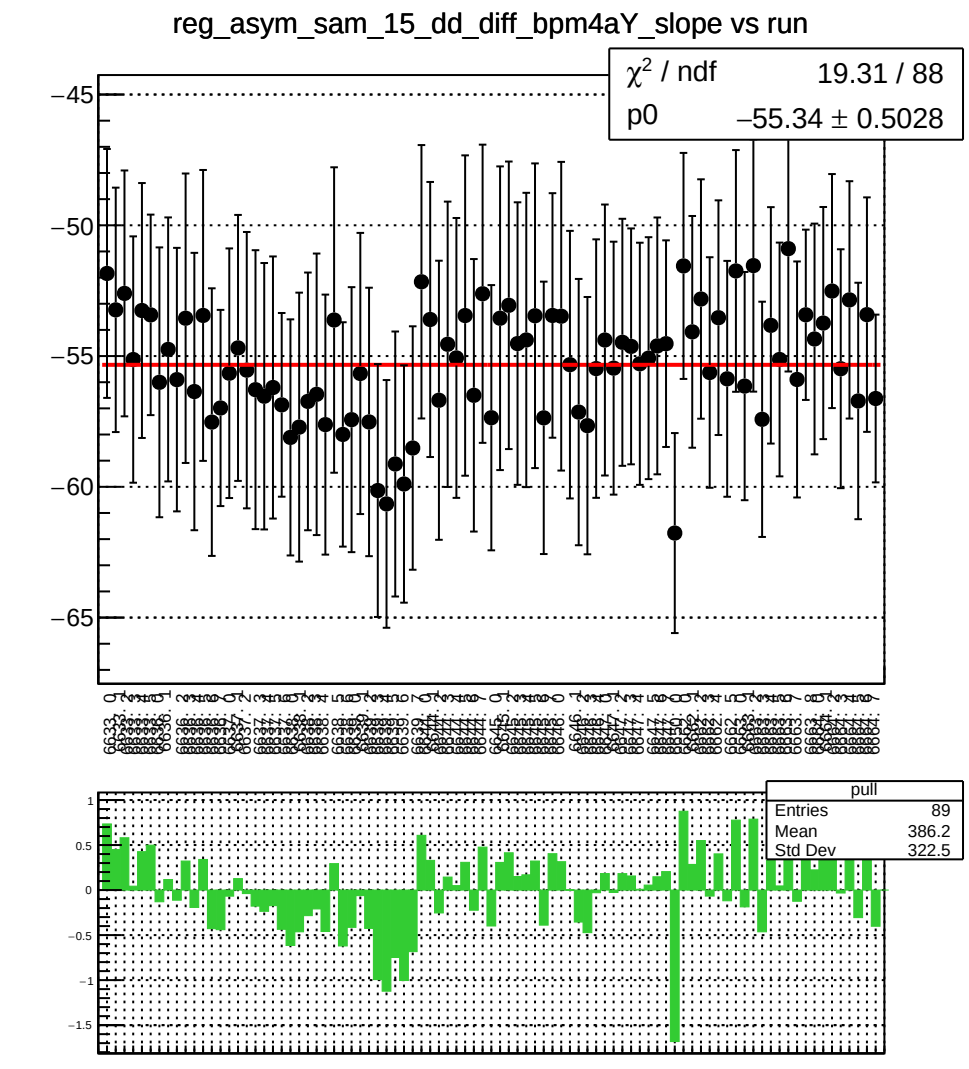

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 84.88 / 88
p0 52.13 ± 0.2888
pull
Entries 89
Mean −268.3
Std Dev 296.7

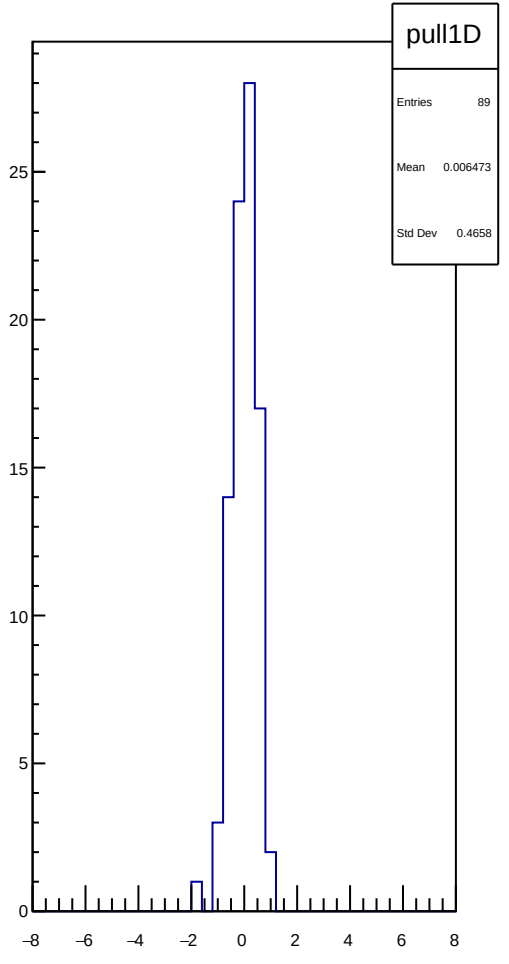

pull1D
Entries 89
Mean 0.02432
Std Dev 0.9763

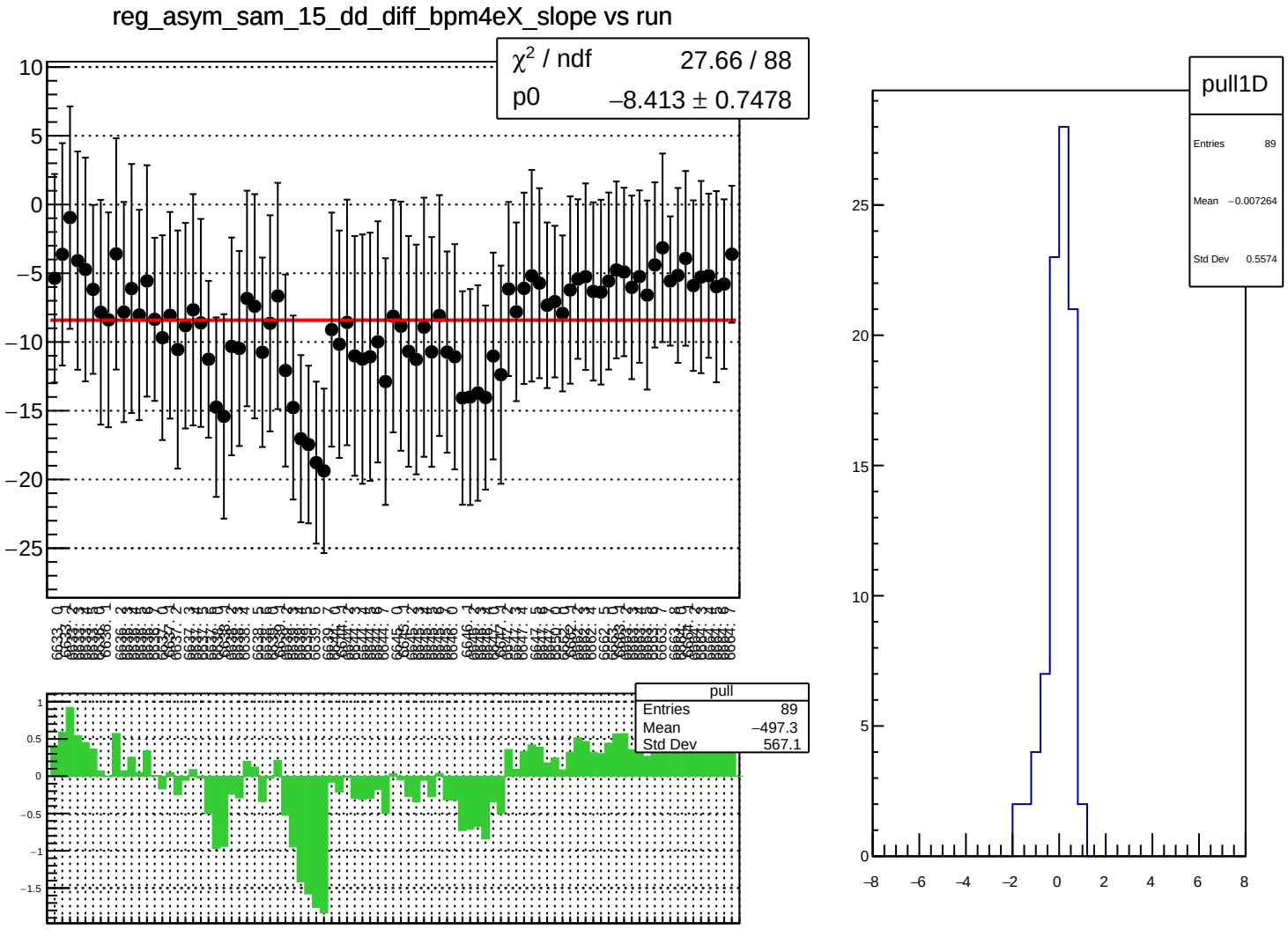

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 113.7 / 88
p0 0.2252 ± 0.01569
pull
Entries 89
Mean −77.73
Std Dev 125.7
pull1D
Entries 89
Mean −0.1931
Std Dev 1.114

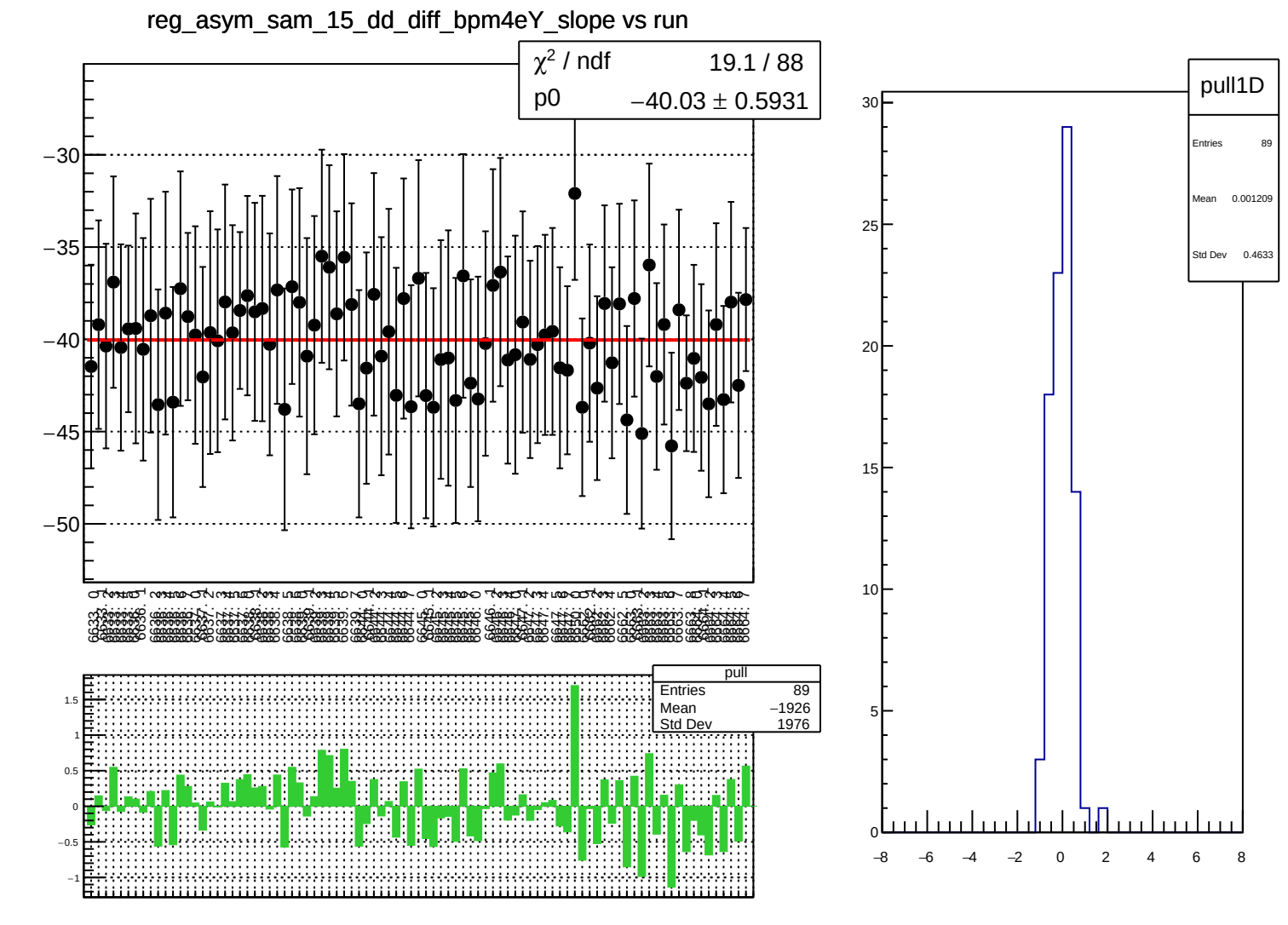

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 43.41 / 88
p0 −0.3939 ± 0.6979
pull
Entries 89
Mean −404
Std Dev 457.5

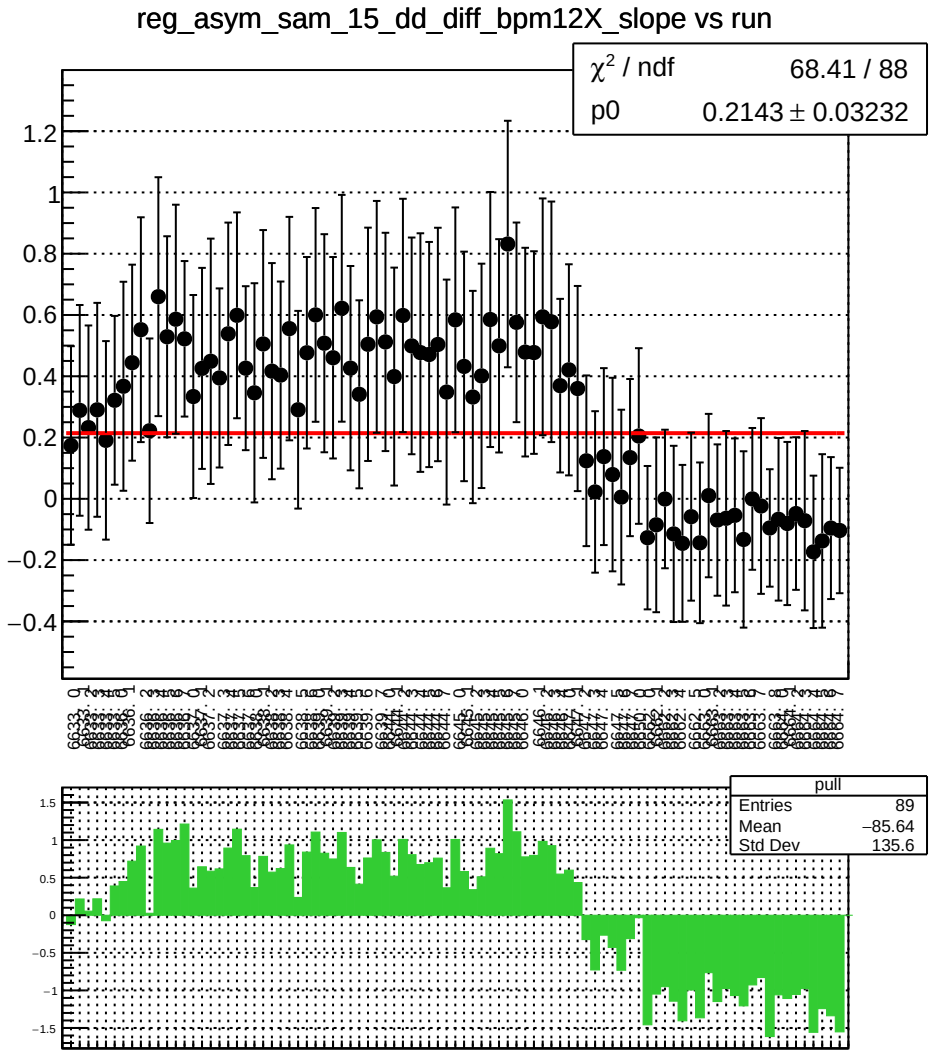

pull1D
Entries 89
Mean 0.02229
Std Dev 0.6981

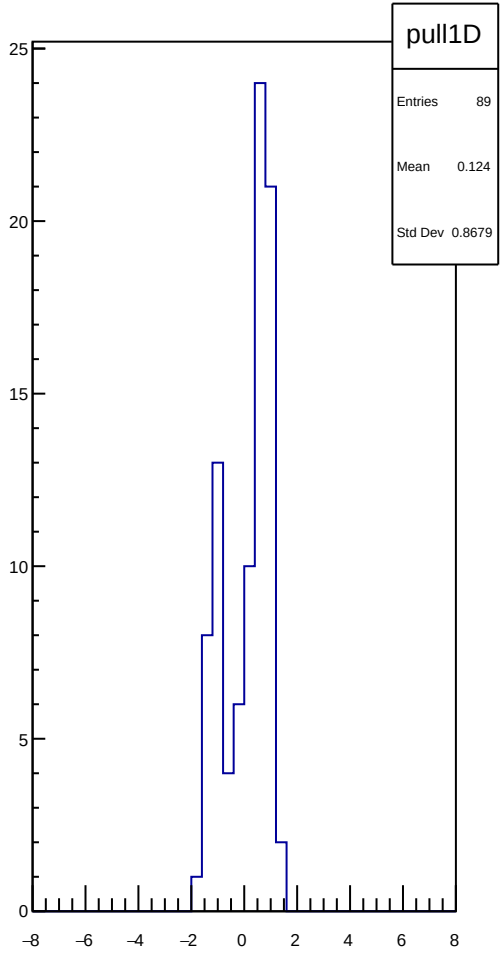

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.31 / 88
p0 −55.34 ± 0.5028
−45
−50
−55
−60
−65
pull
Entries 89
Mean 386.2
Std Dev 322.5
1
0.5
0
−0.5
−1
−1.5

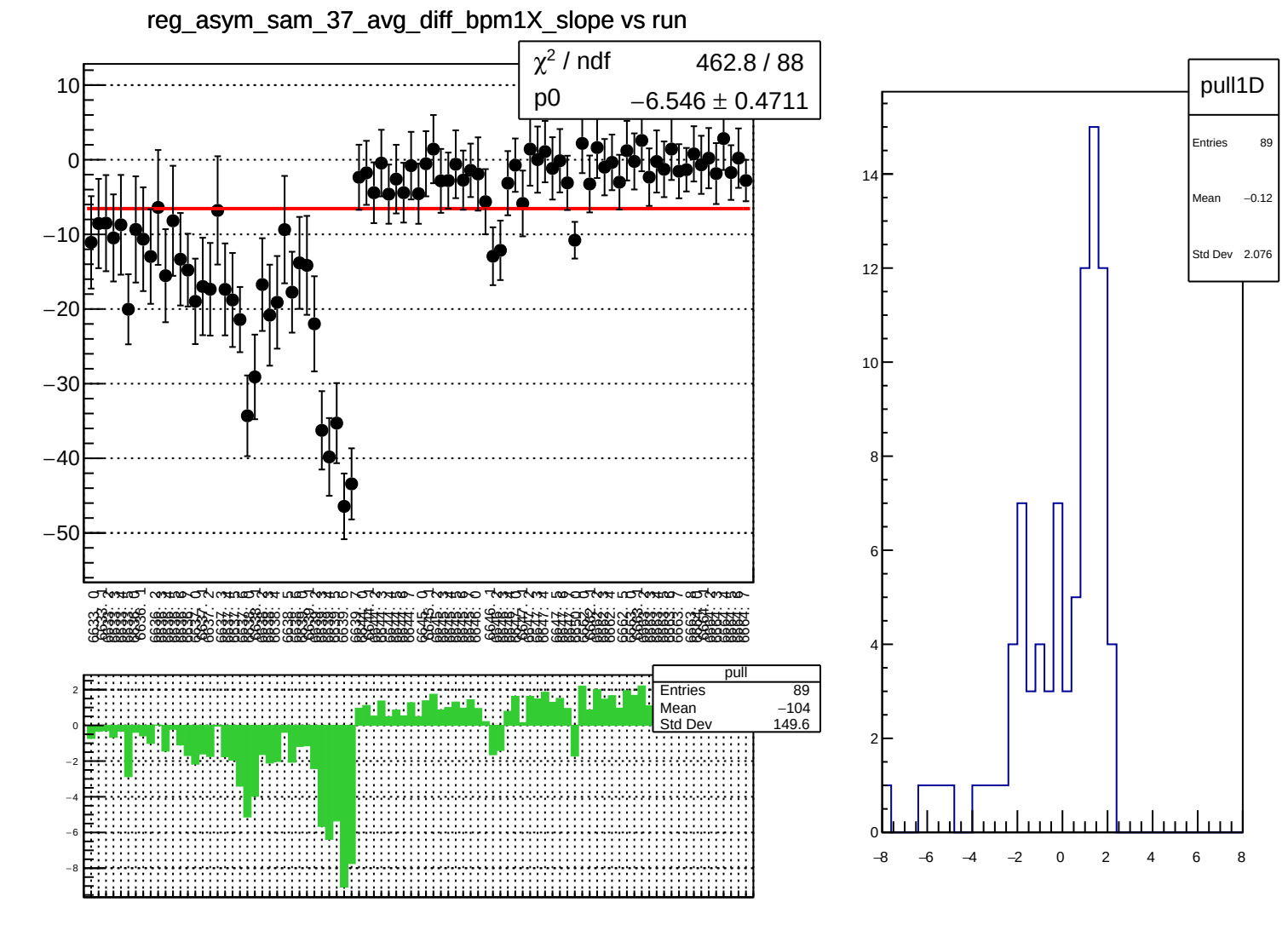

pull1D
Entries 89
Mean 0.006473
Std Dev 0.4658
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

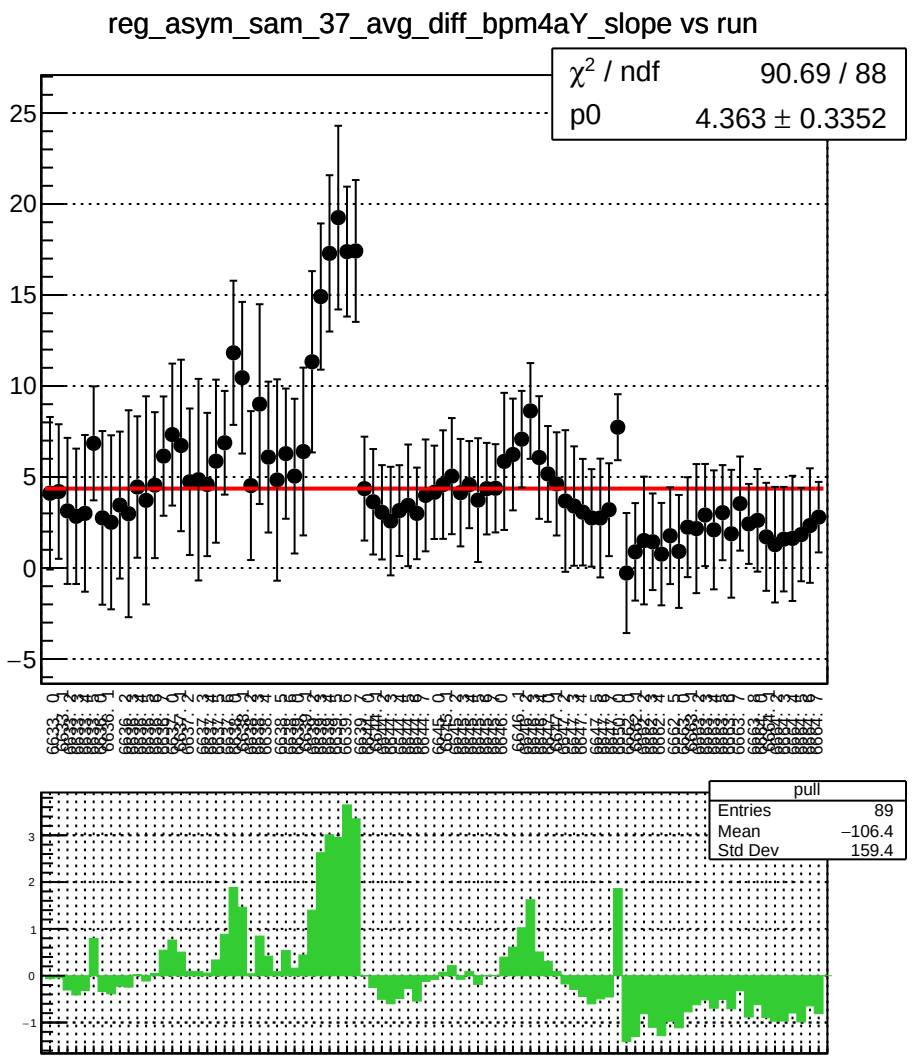

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.66 / 88
p0 −8.413 ± 0.7478
pull
Entries 89
Mean −497.3
Std Dev 567.1
pull1D
Entries 89
Mean −0.007264
Std Dev 0.5574

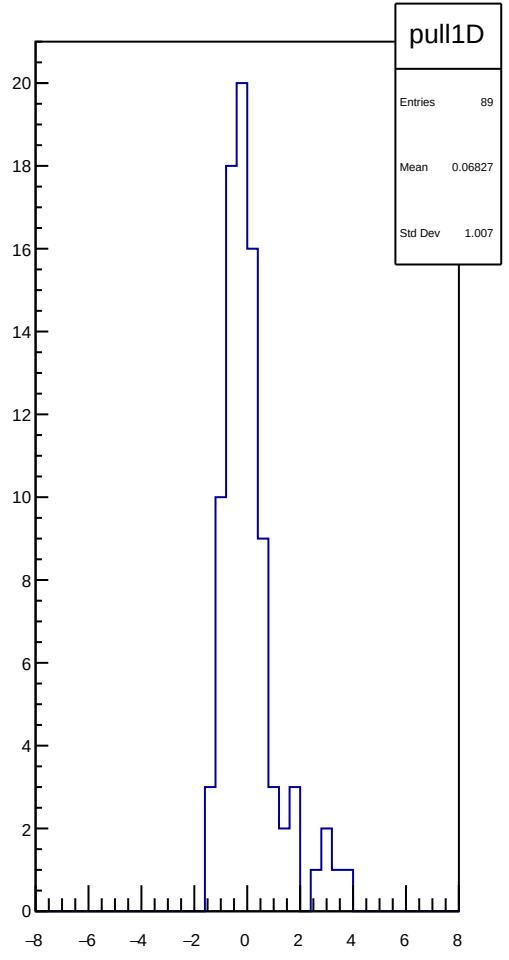

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.1 / 88
p0 −40.03 ± 0.5931
−30
−35
−40
−45
−50
pull
Entries 89
Mean −1926
Std Dev 1976
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean 0.001209
Std Dev 0.4633
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

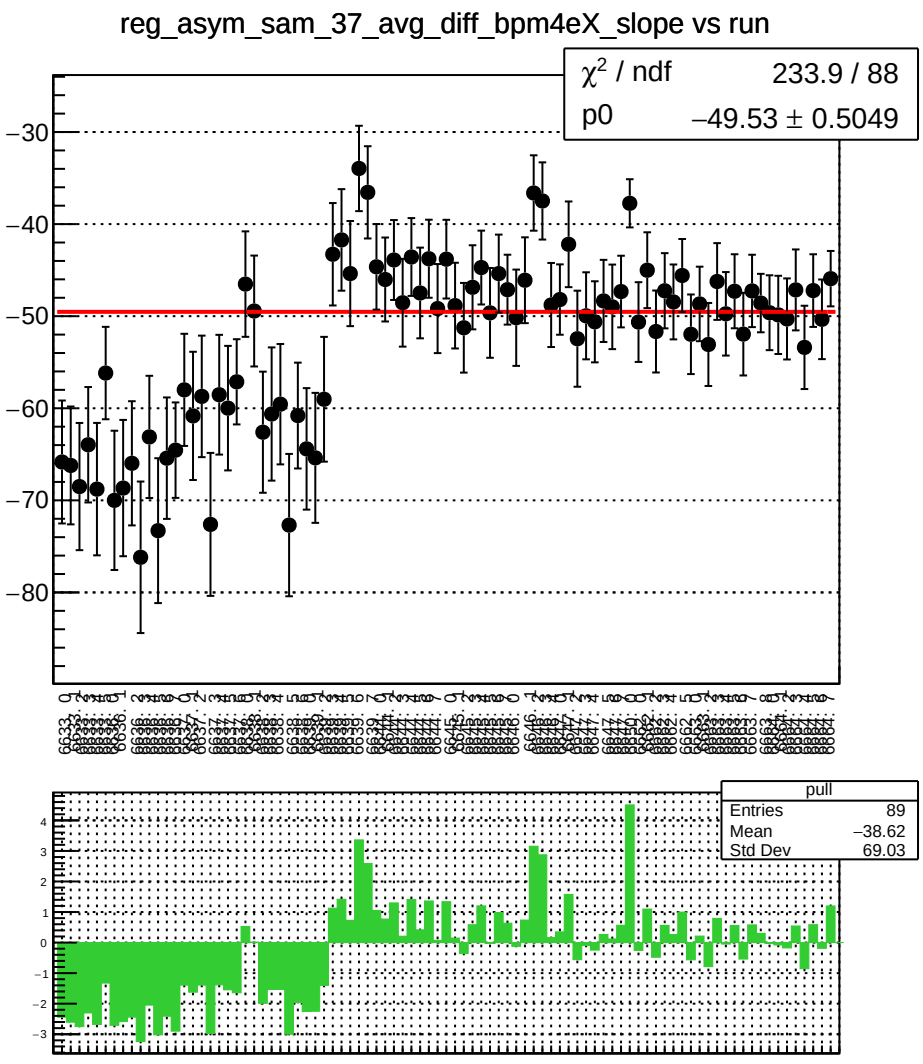

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 68.41 / 88
p0 0.2143 ± 0.03232
pull
Entries 89
Mean −85.64
Std Dev 135.6

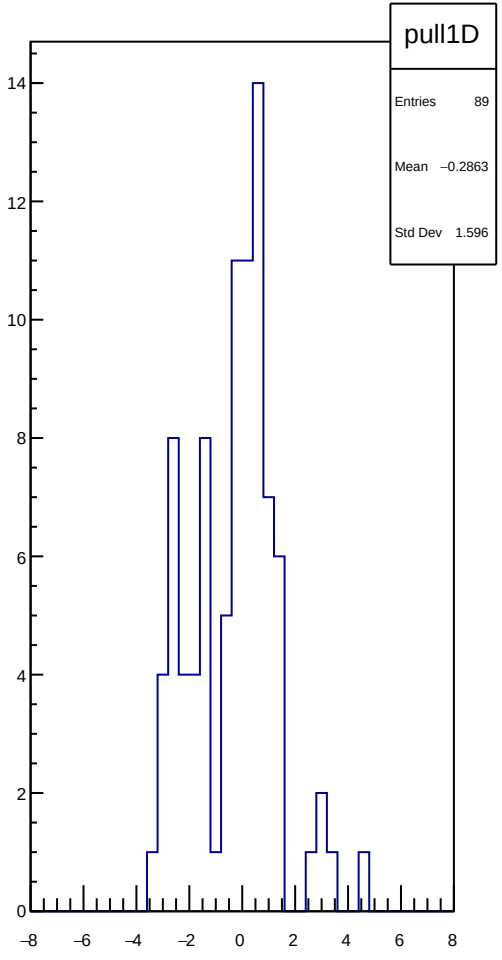

pull1D
Entries 89
Mean 0.124
Std Dev 0.8679

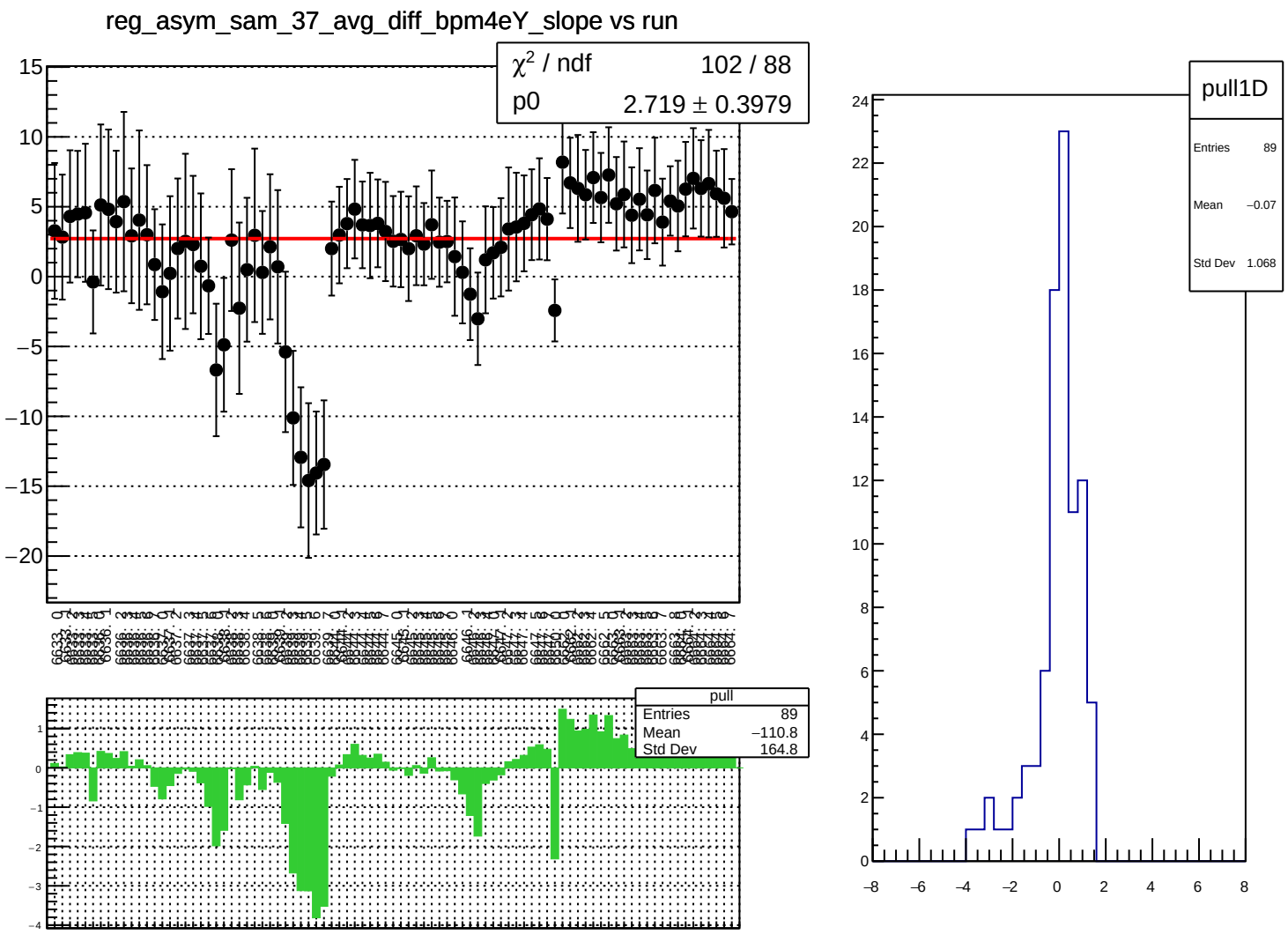

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 462.8 / 88
p0 −6.546 ± 0.4711
pull
Entries 89
Mean −104
Std Dev 149.6
pull1D
Entries 89
Mean −0.12
Std Dev 2.076

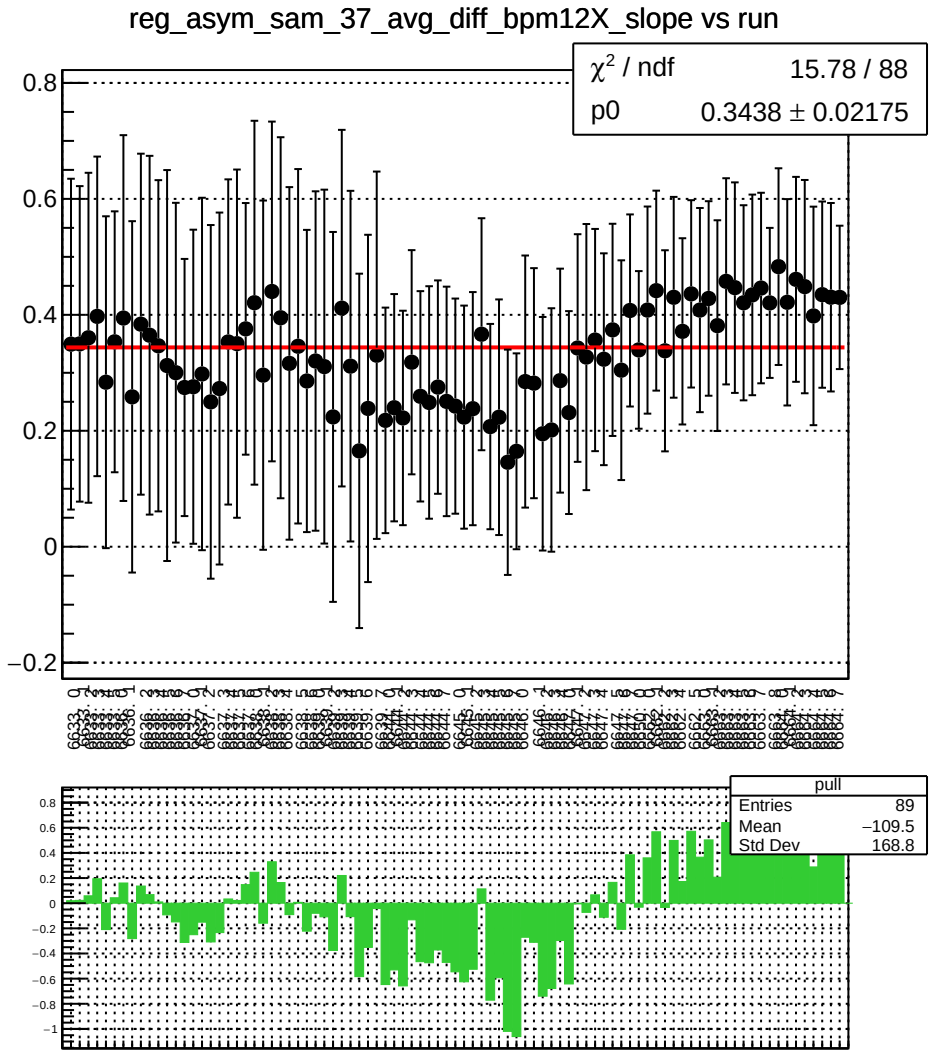

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 90.69 / 88
p0 4.363 ± 0.3352
pull
Entries 89
Mean −106.4
Std Dev 159.4

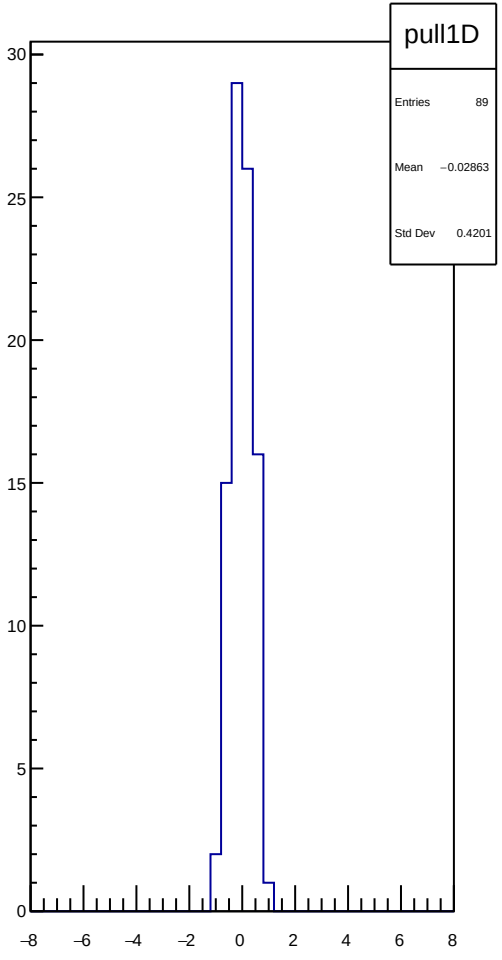

pull1D
Entries 89
Mean 0.06827
Std Dev 1.007

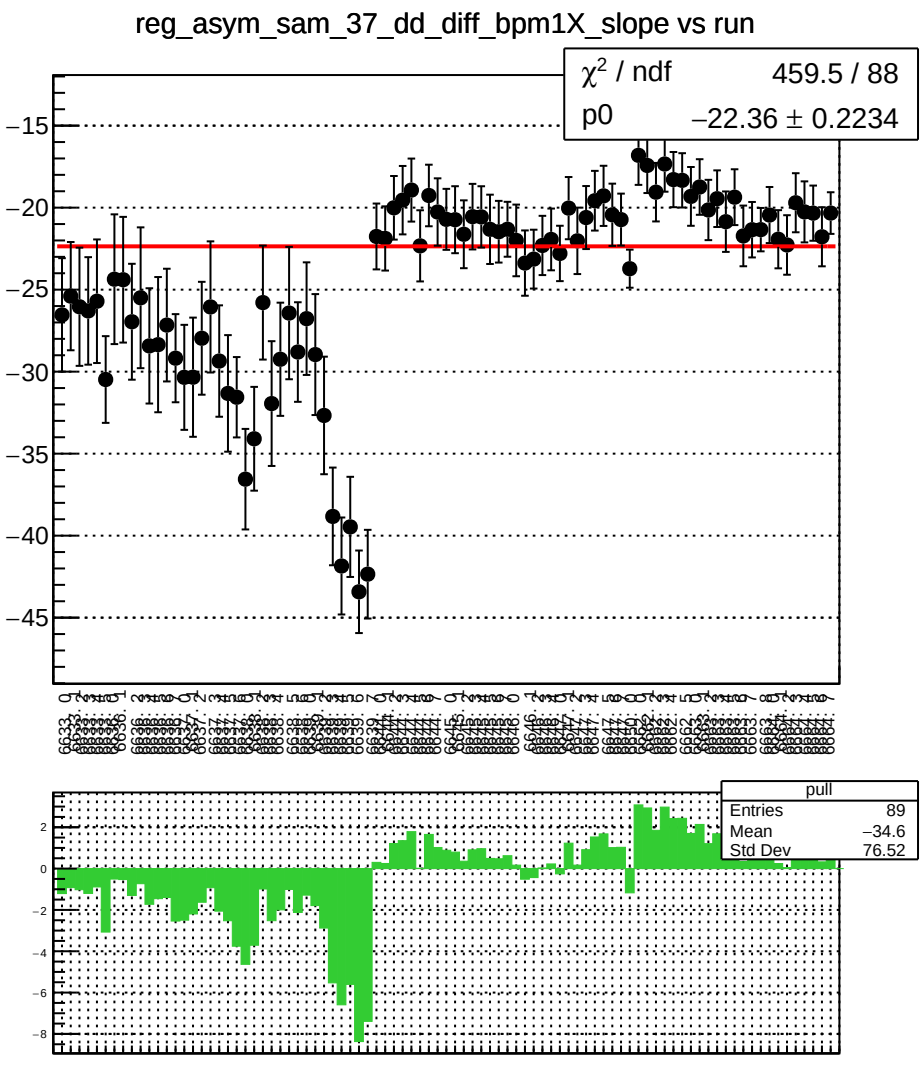

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 233.9 / 88
p0 −49.53 ± 0.5049
pull
Entries 89
Mean −38.62
Std Dev 69.03

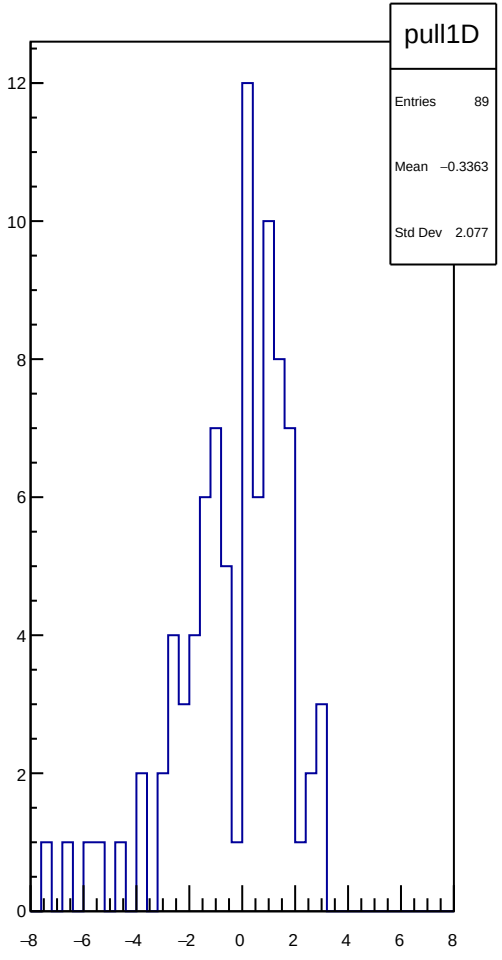

pull1D
Entries 89
Mean −0.2863
Std Dev 1.596

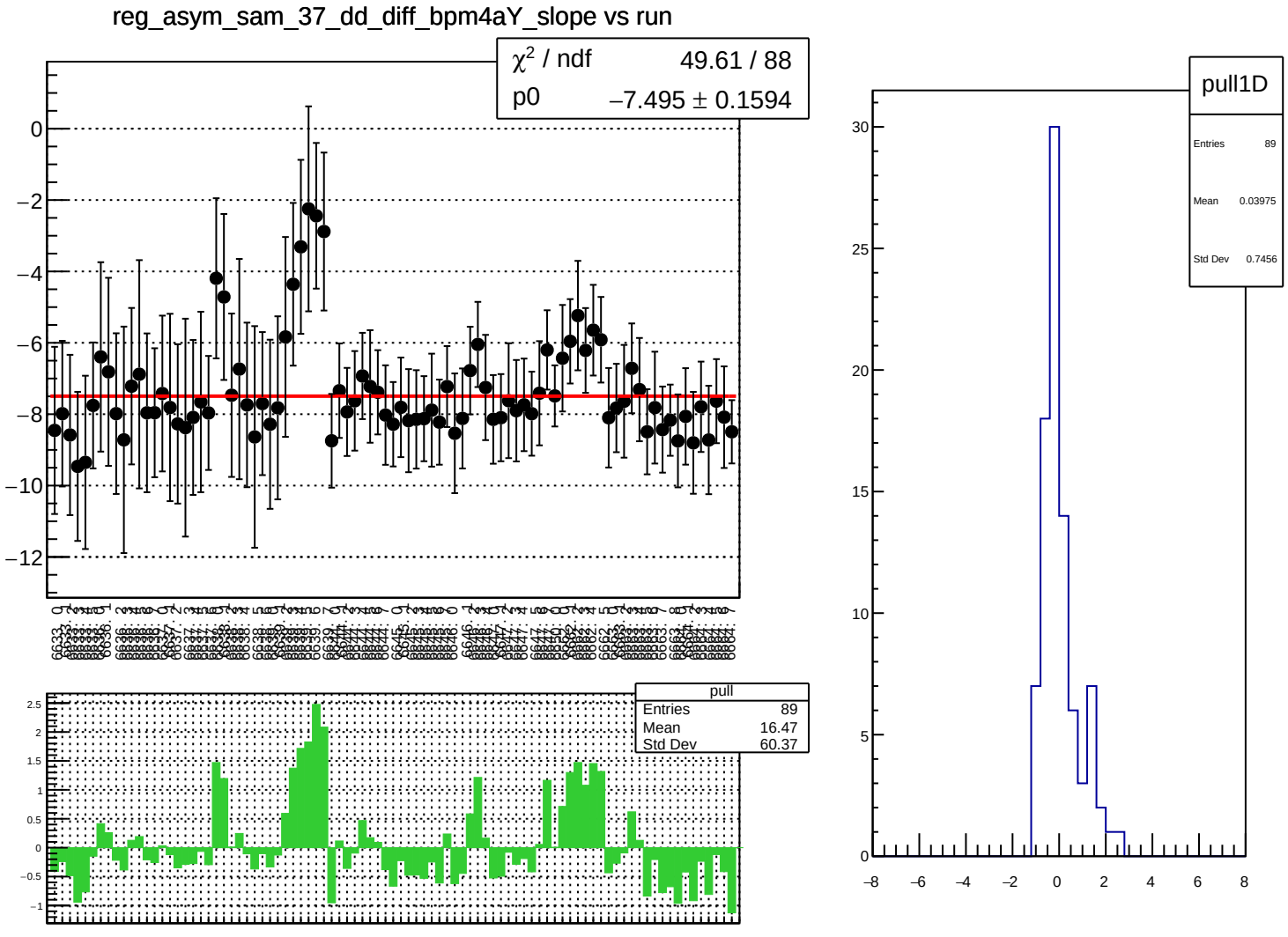

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 102 / 88
p0 2.719 ± 0.3979
pull
Entries 89
Mean −110.8
Std Dev 164.8
pull1D
Entries 89
Mean −0.07
Std Dev 1.068

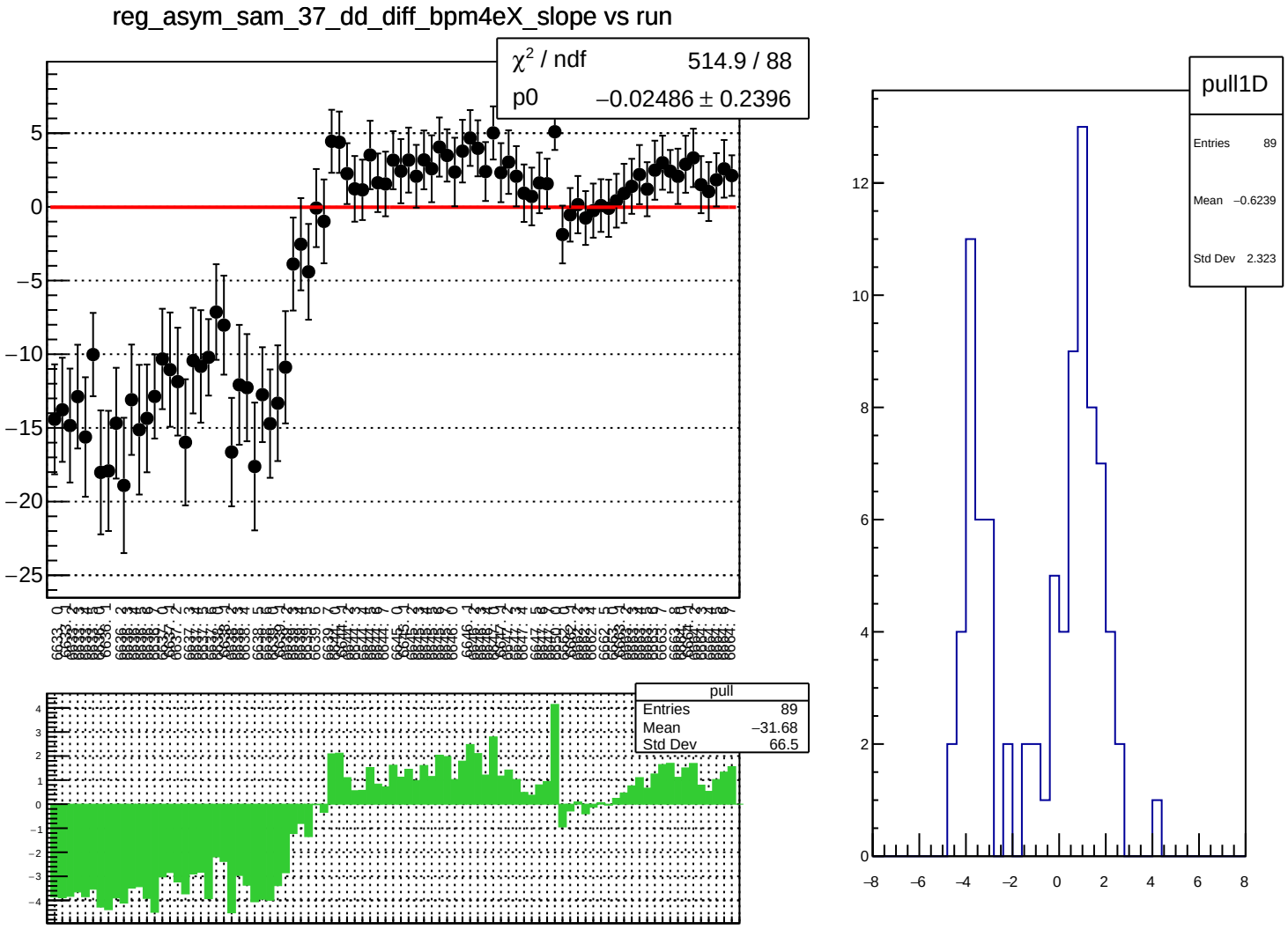

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 15.78 / 88
p0 0.3438 ± 0.02175
pull
Entries 89
Mean −109.5
Std Dev 168.8

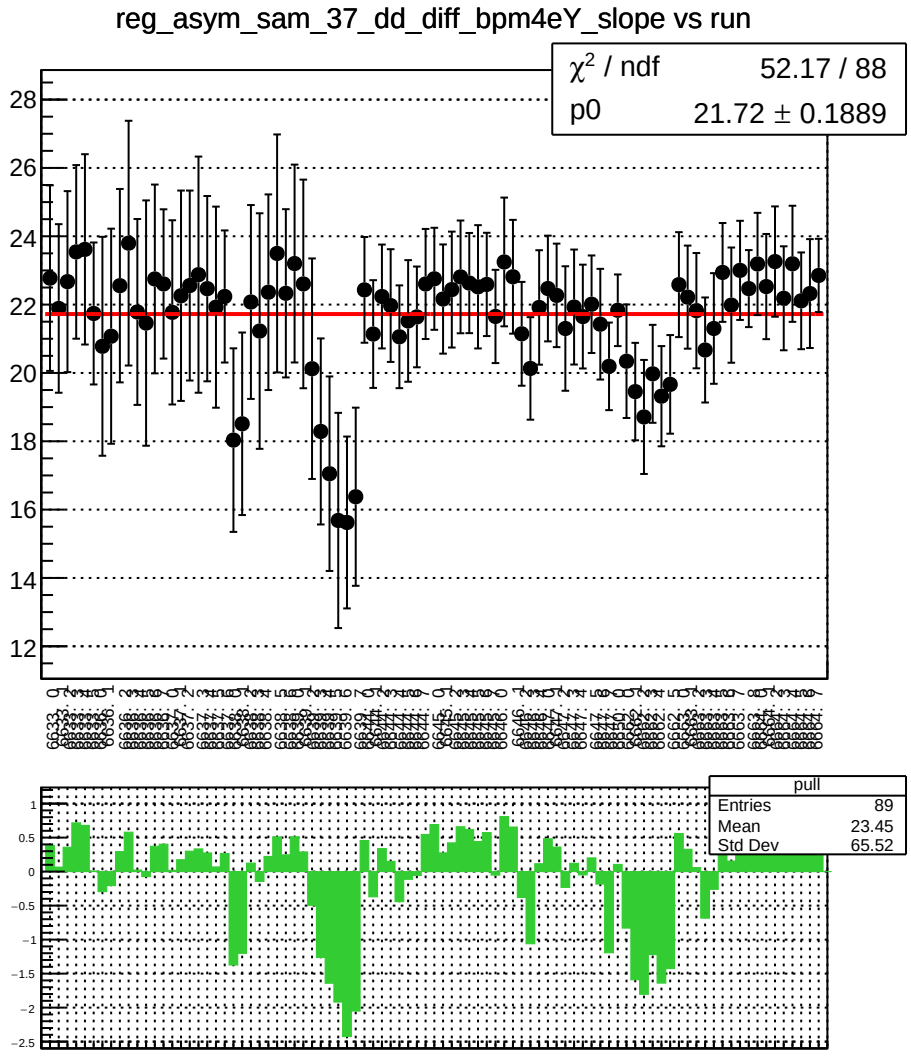

pull1D
Entries 89
Mean −0.02863
Std Dev 0.4201

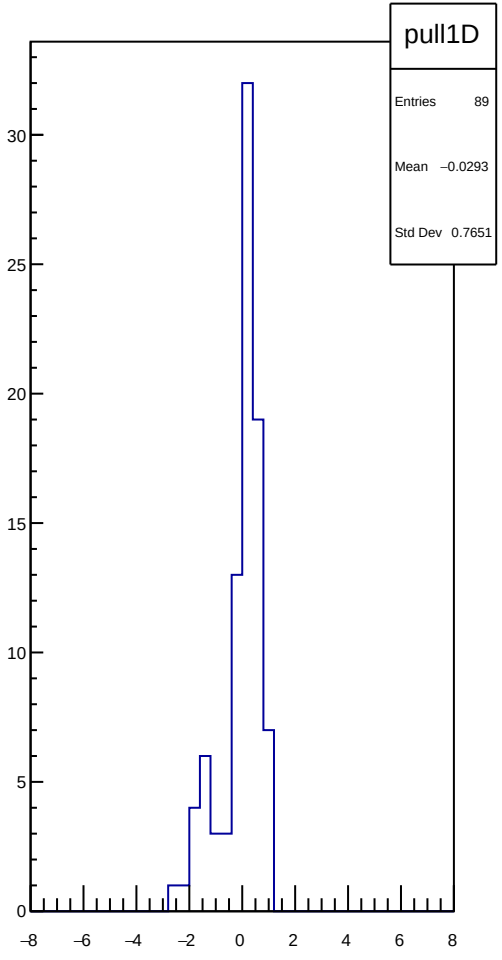

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 459.5 / 88
p0 −22.36 ± 0.2234
pull
Entries 89
Mean −34.6
Std Dev 76.52

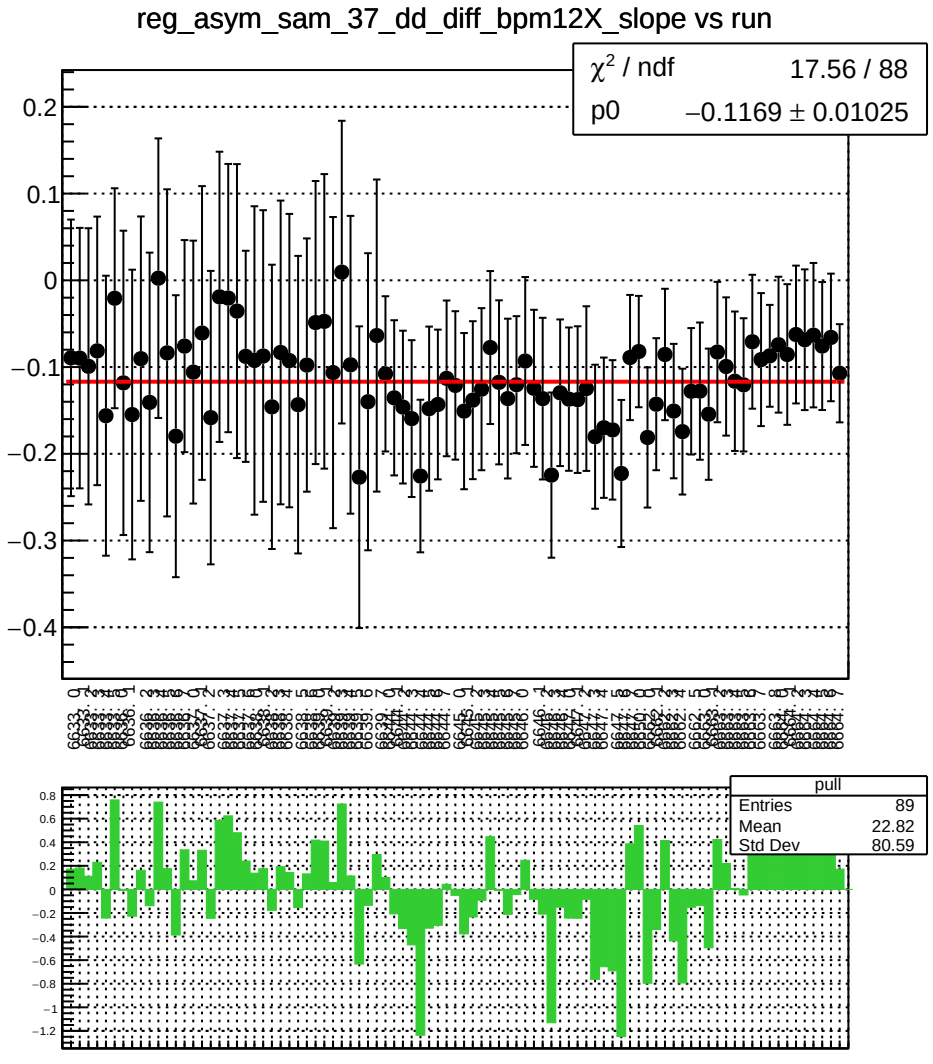

pull1D
Entries 89
Mean −0.3363
Std Dev 2.077

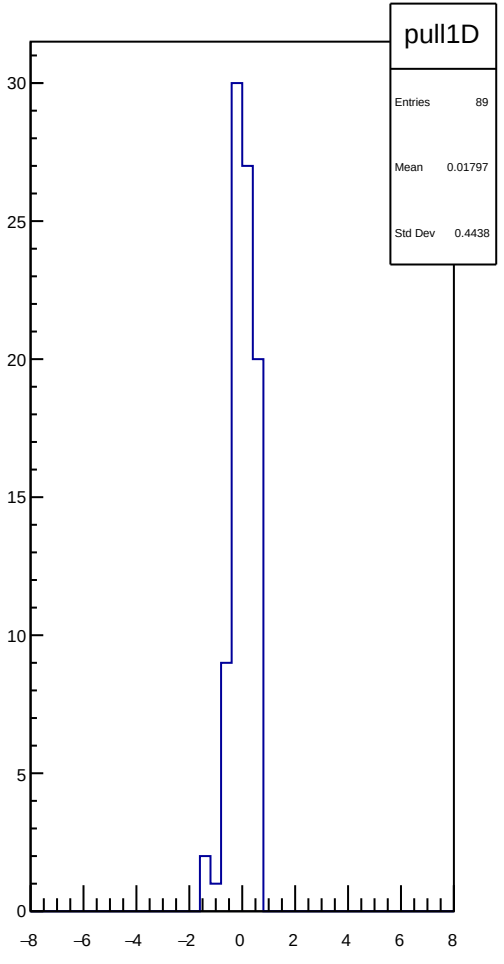

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.61 / 88
p0 −7.495 ± 0.1594
pull
Entries 89
Mean 16.47
Std Dev 60.37
pull1D
Entries 89
Mean 0.03975
Std Dev 0.7456

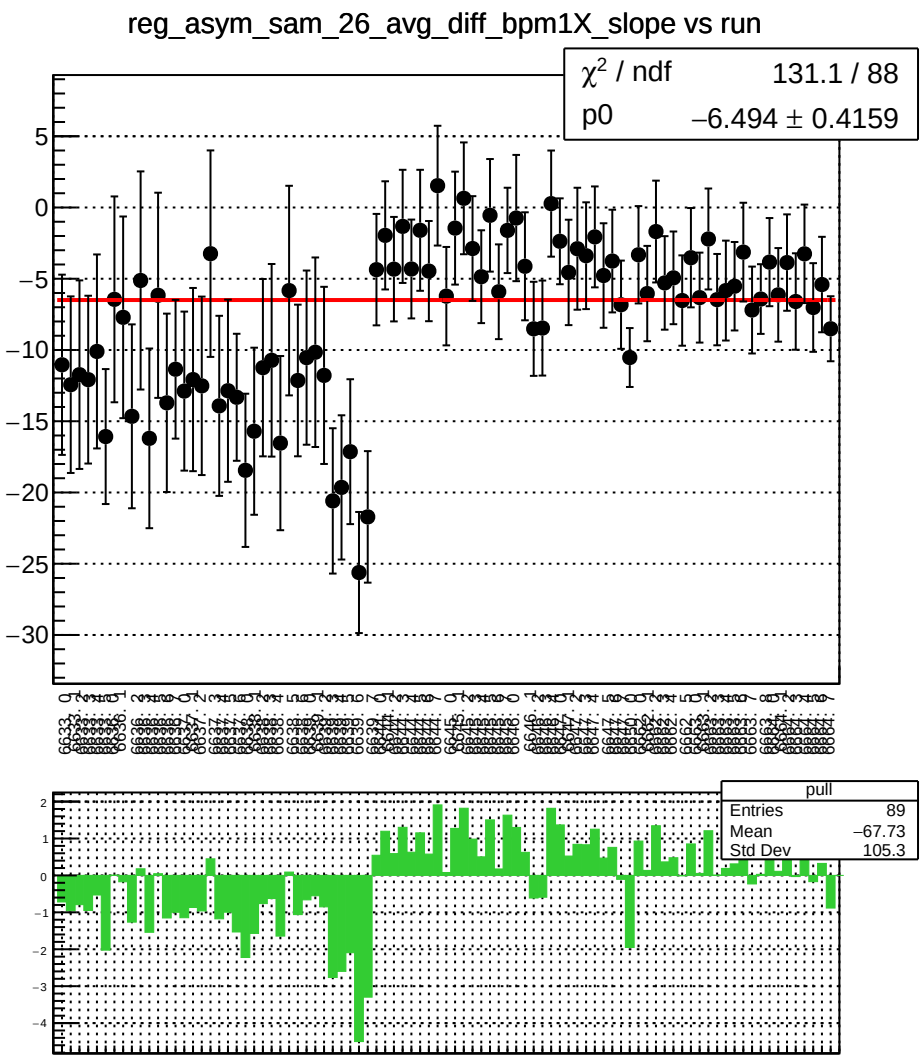

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 514.9 / 88
p0 −0.02486 ± 0.2396
pull
Entries 89
Mean −31.68
Std Dev 66.5
pull1D
Entries 89
Mean −0.6239
Std Dev 2.323

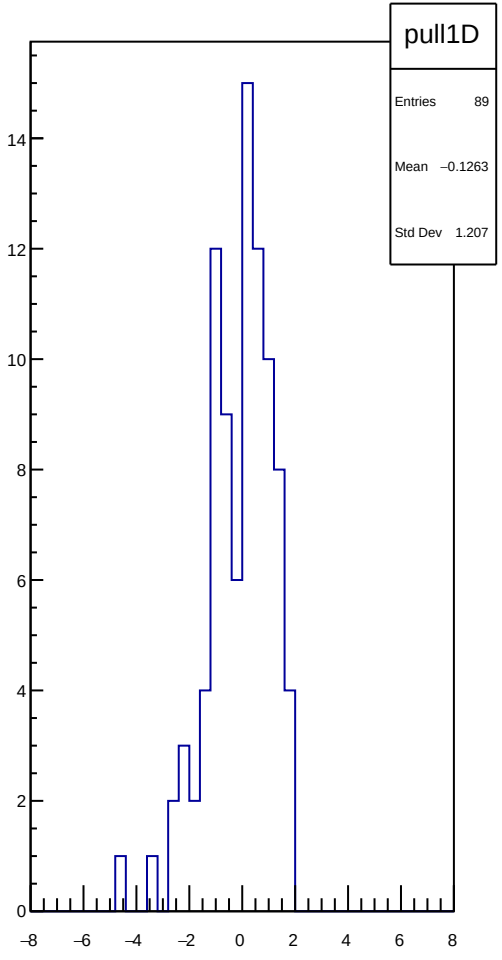

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.17 / 88
p0 21.72 ± 0.1889
pull
Entries 89
Mean 23.45
Std Dev 65.52

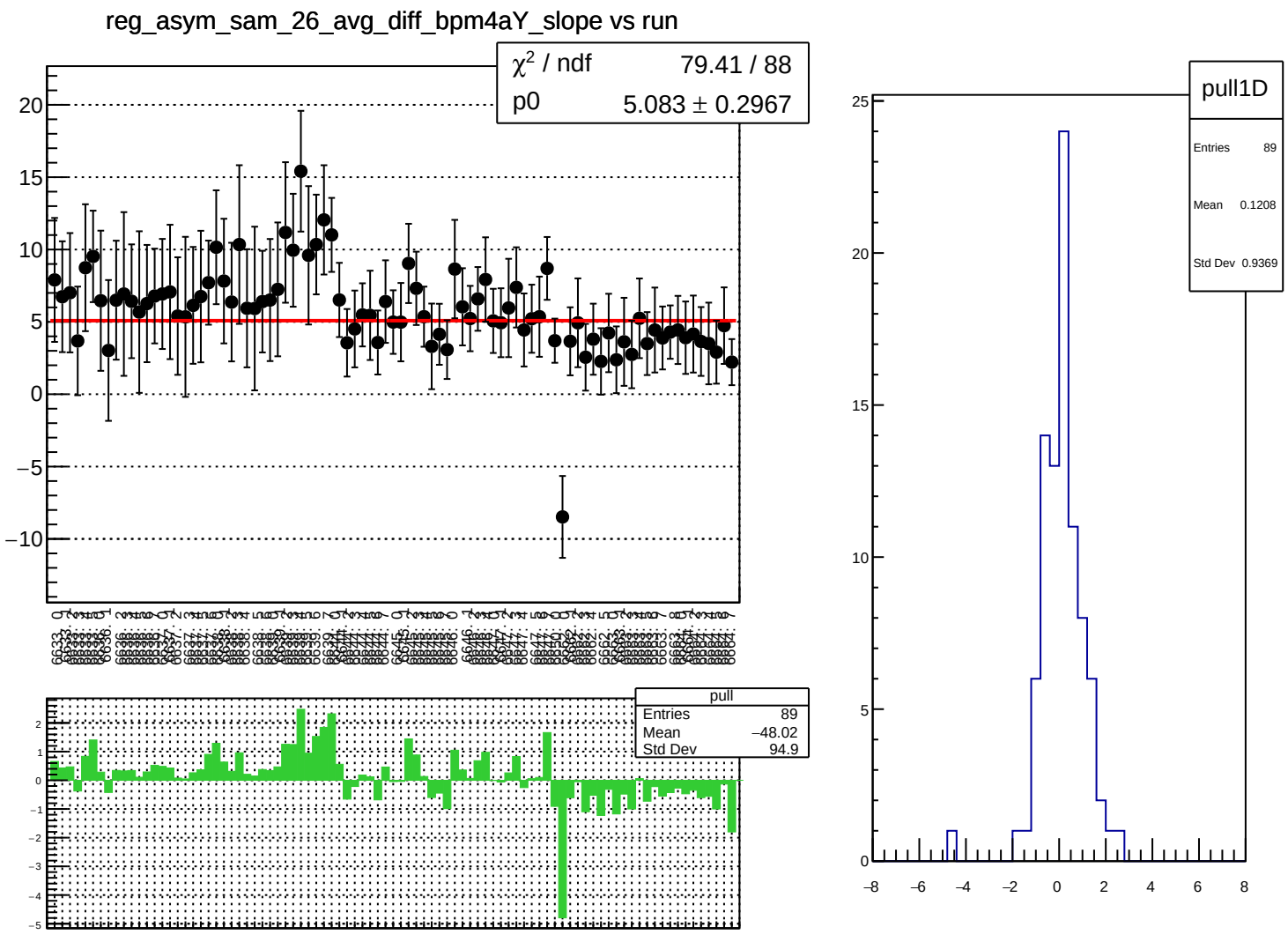

pull1D
Entries 89
Mean −0.0293
Std Dev 0.7651

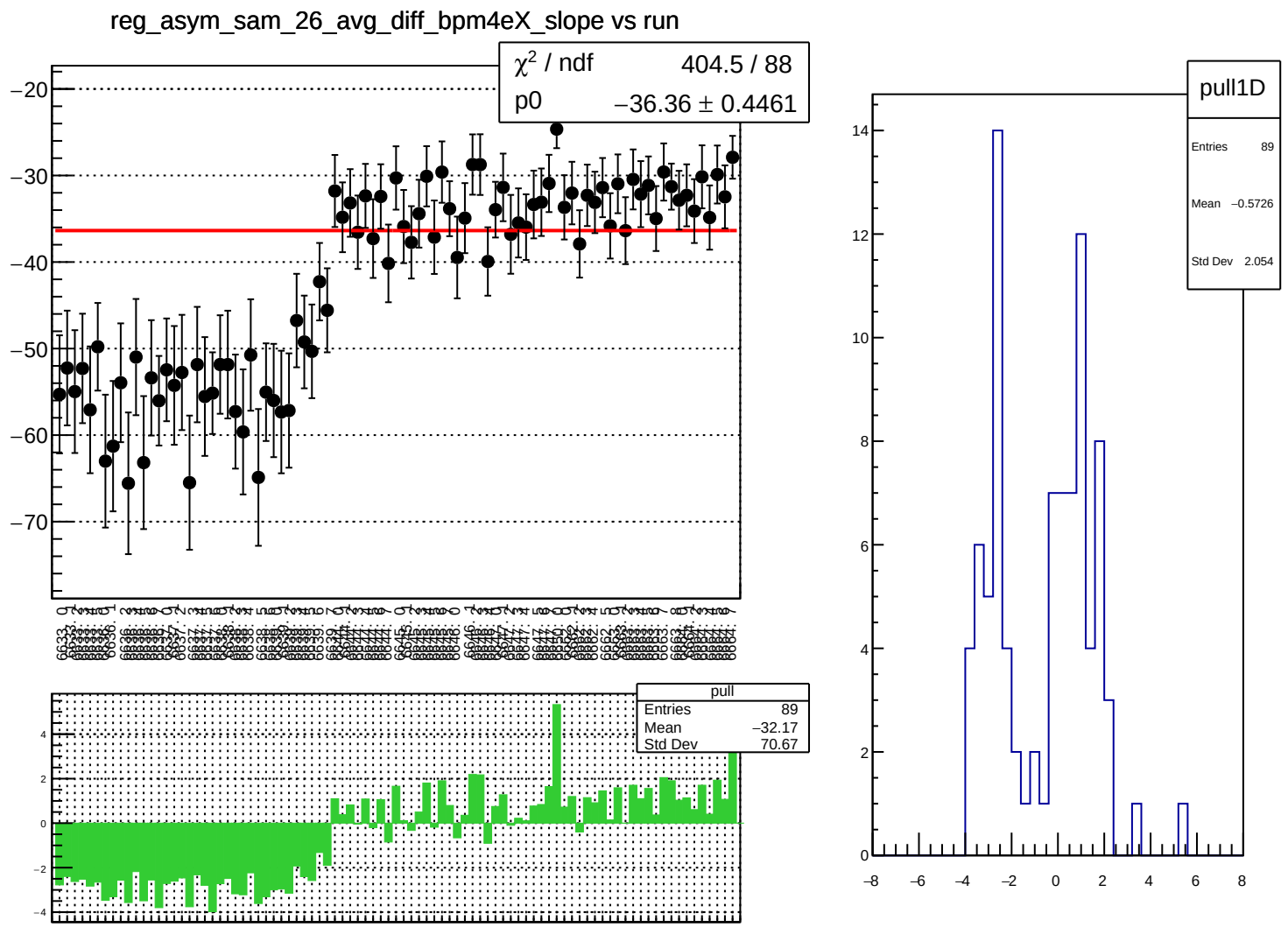

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 17.56 / 88
p0 −0.1169 ± 0.01025
pull
Entries 89
Mean 22.82
Std Dev 80.59

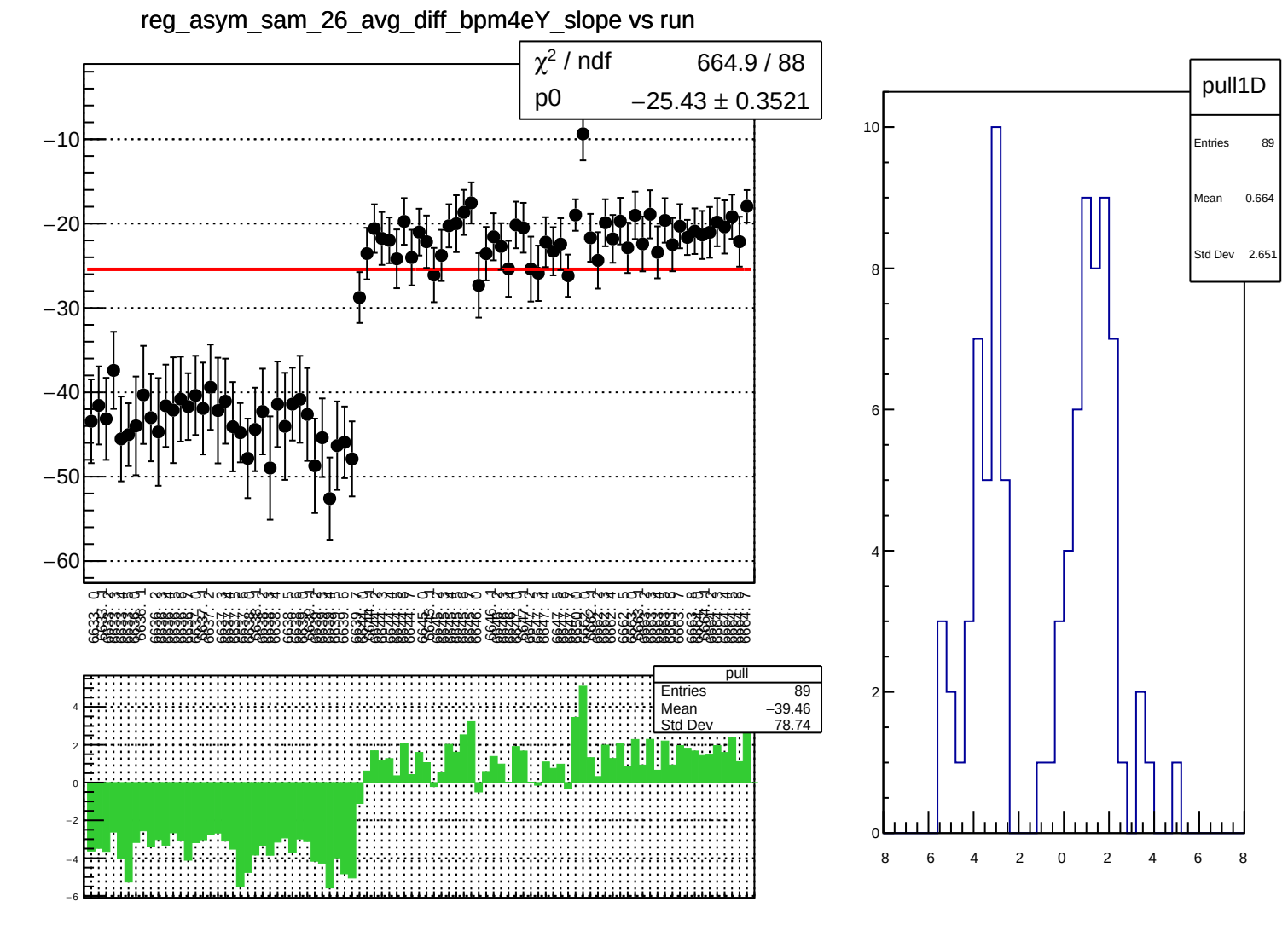

pull1D
Entries 89
Mean 0.01797
Std Dev 0.4438

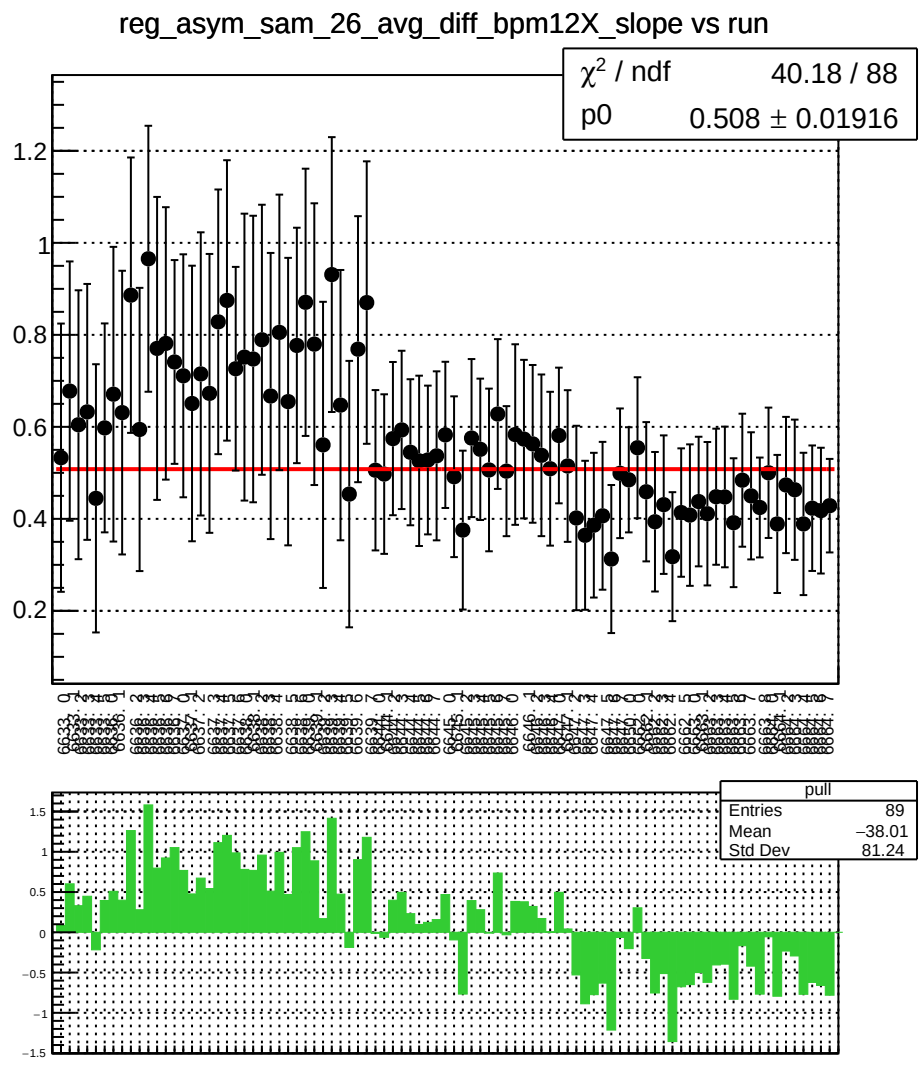

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 131.1 / 88
p0 −6.494 ± 0.4159
pull
Entries 89
Mean −67.73
Std Dev 105.3

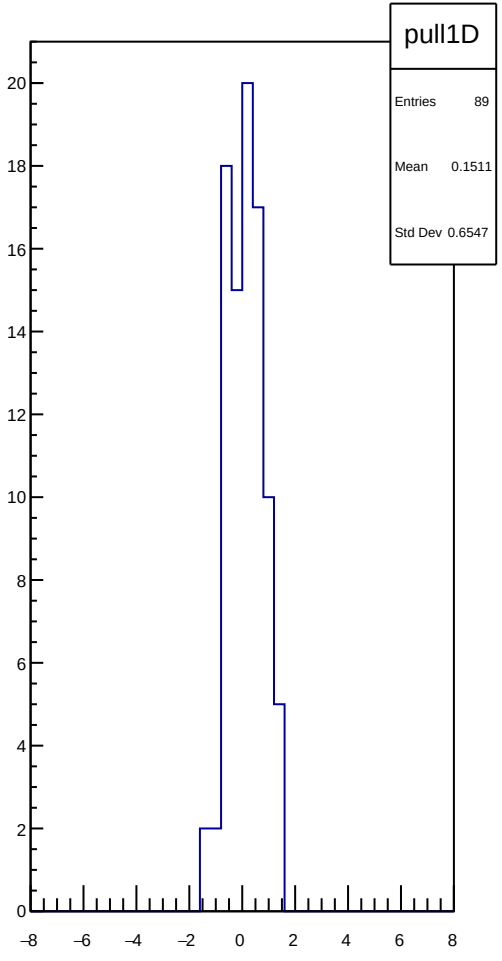

pull1D
Entries 89
Mean −0.1263
Std Dev 1.207

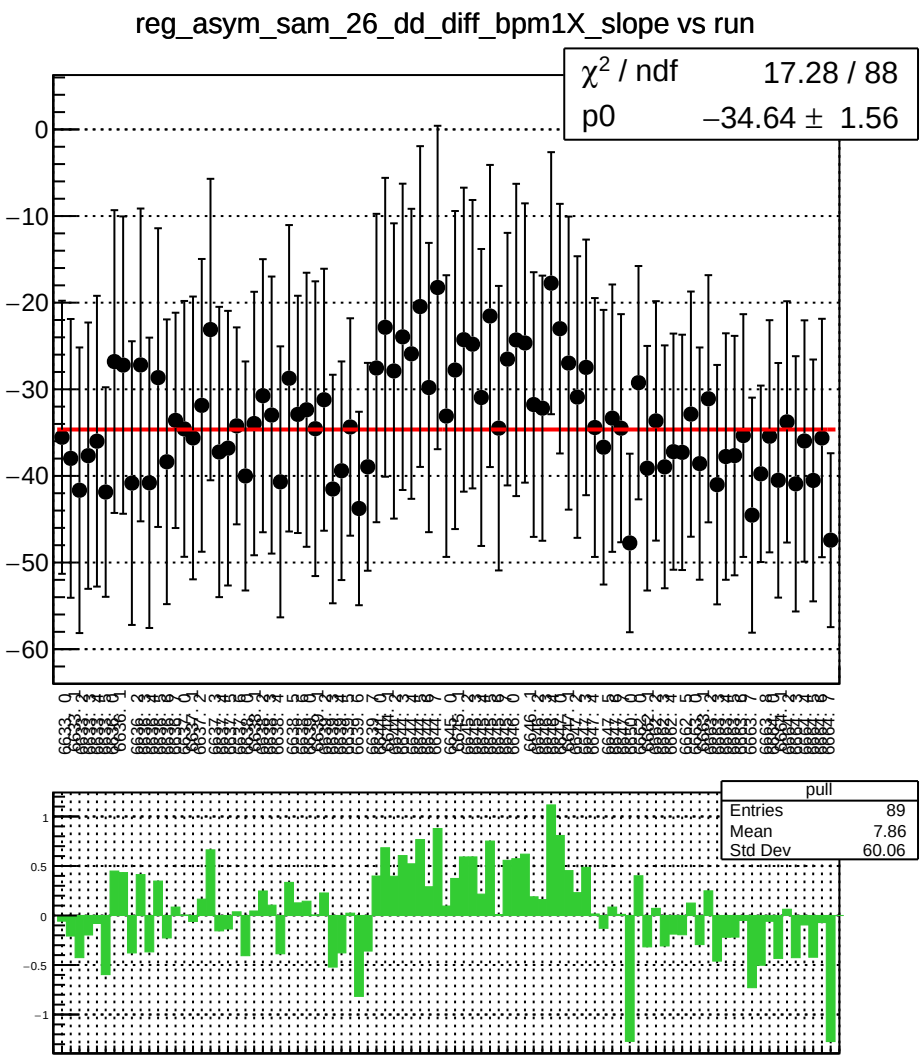

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.41 / 88
p0 5.083 ± 0.2967
pull
Entries 89
Mean −48.02
Std Dev 94.9
pull1D
Entries 89
Mean 0.1208
Std Dev 0.9369

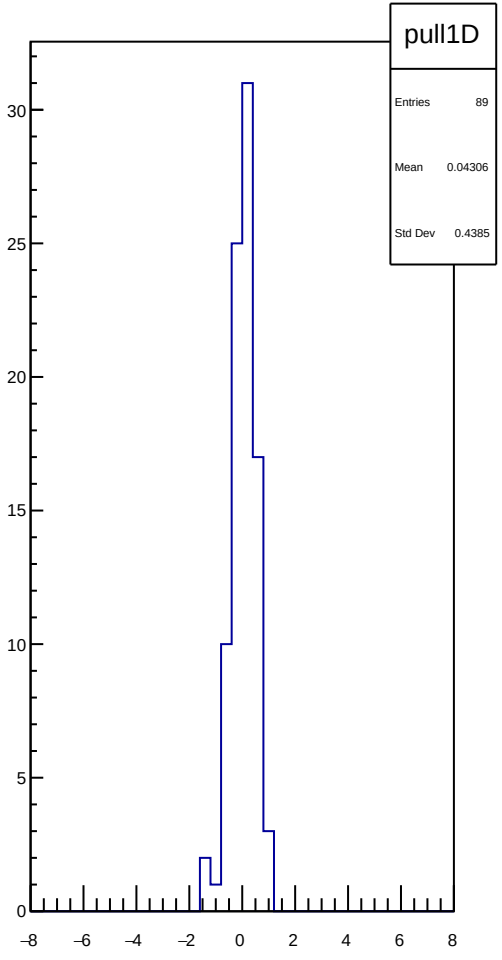

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 404.5 / 88
p0 −36.36 ± 0.4461
pull
Entries 89
Mean −32.17
Std Dev 70.67
pull1D
Entries 89
Mean −0.5726
Std Dev 2.054

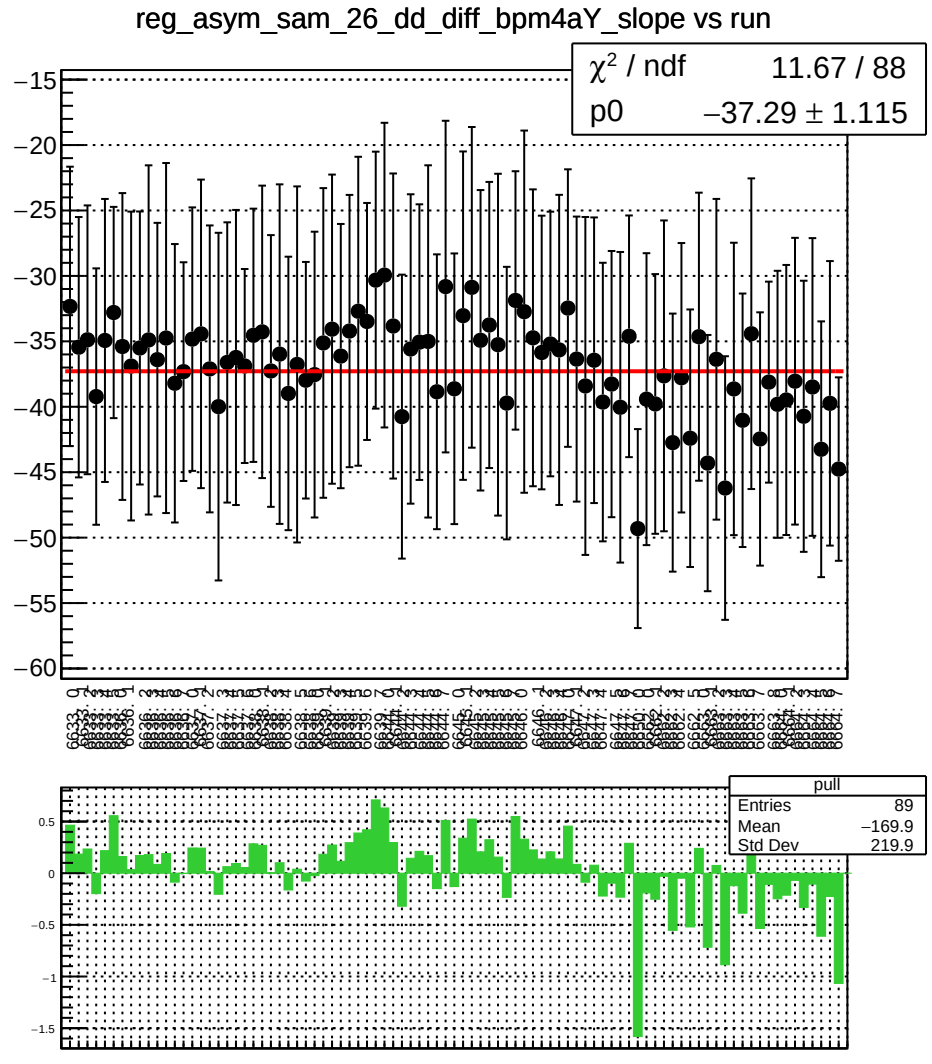

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 664.9 / 88
p0 −25.43 ± 0.3521
pull
Entries 89
Mean −39.46
Std Dev 78.74
pull1D
Entries 89
Mean −0.664
Std Dev 2.651

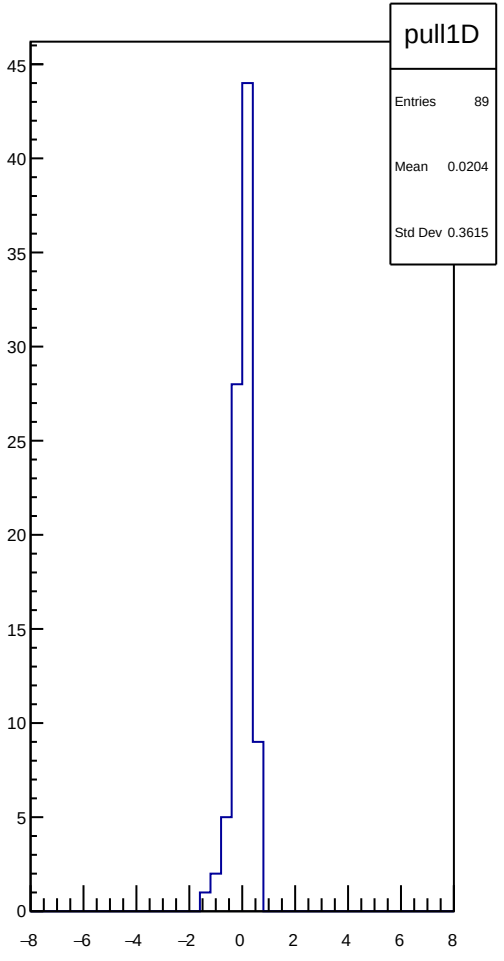

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 40.18 / 88
p0 0.508 ± 0.01916
pull
Entries 89
Mean −38.01
Std Dev 81.24

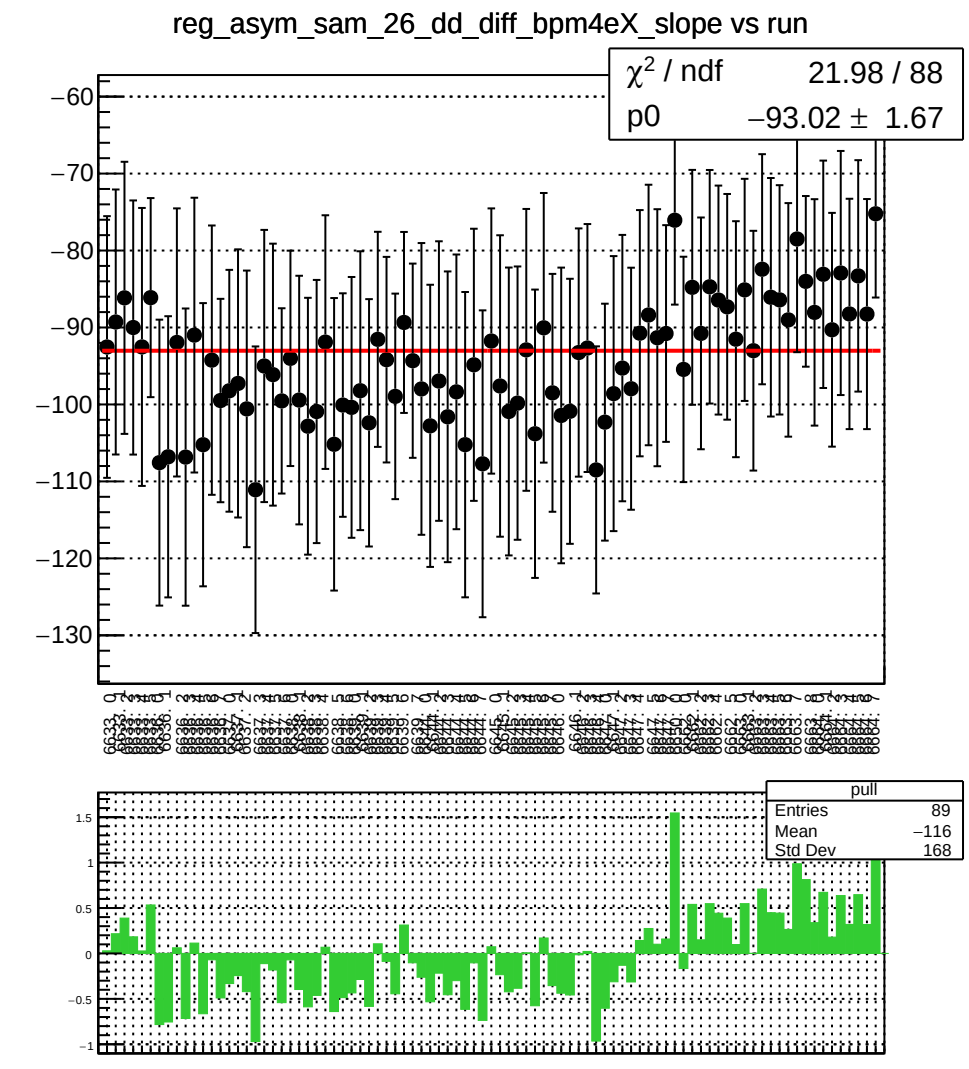

pull1D
Entries 89
Mean 0.1511
Std Dev 0.6547

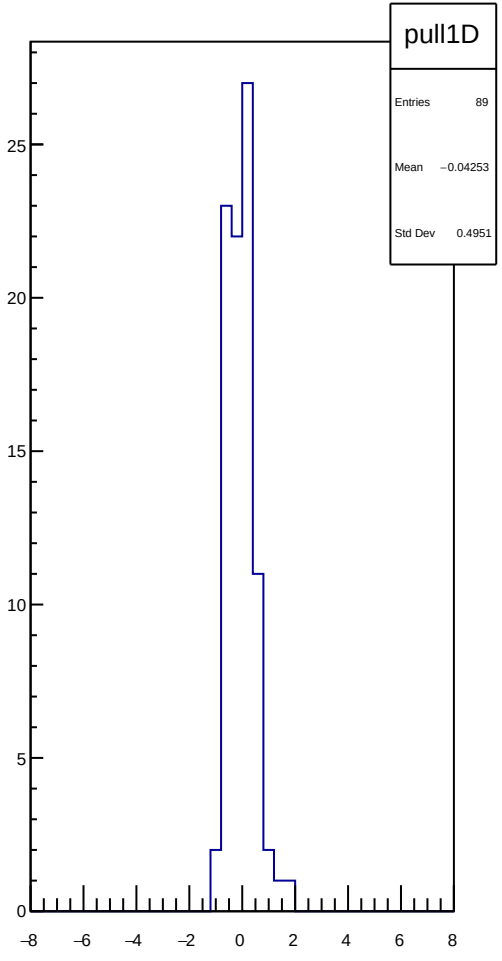

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 17.28 / 88
p0 −34.64 ± 1.56
pull
Entries 89
Mean 7.86
Std Dev 60.06

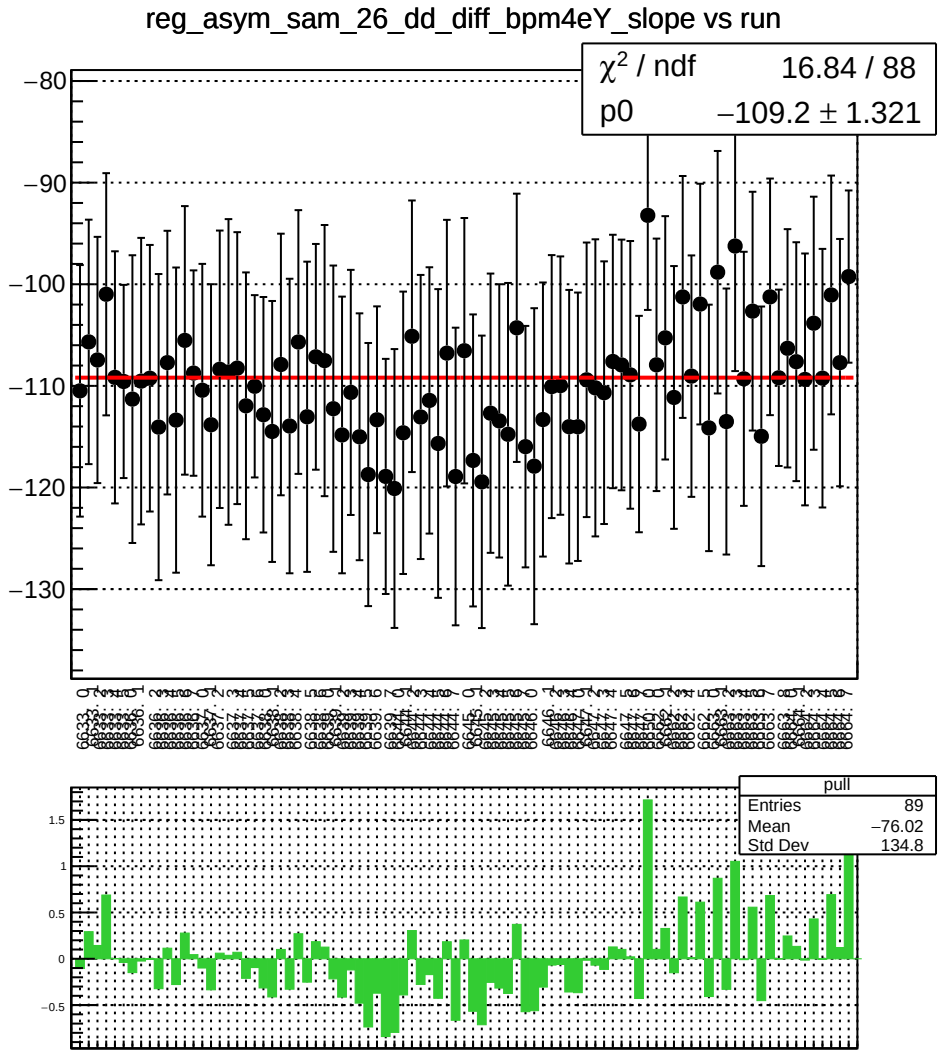

pull1D
Entries 89
Mean 0.04306
Std Dev 0.4385

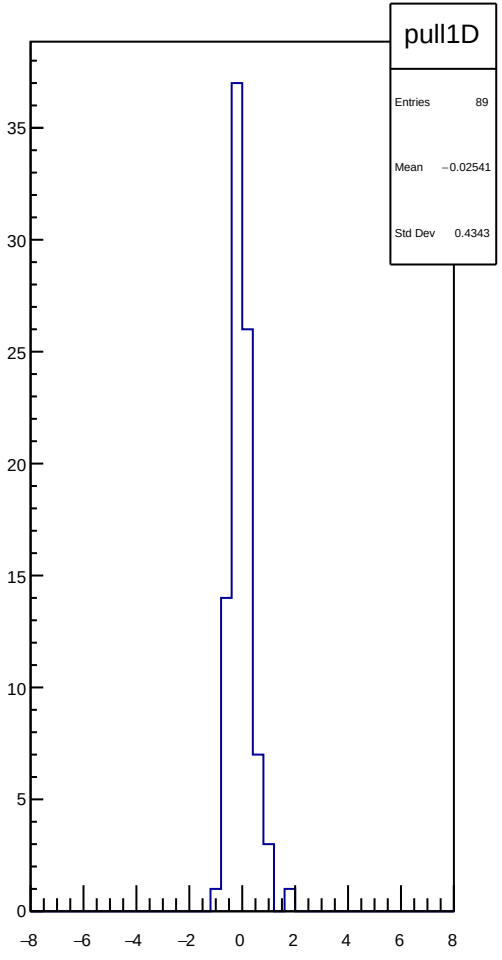

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.67 / 88
p0 −37.29 ± 1.115
pull
Entries 89
Mean −169.9
Std Dev 219.9

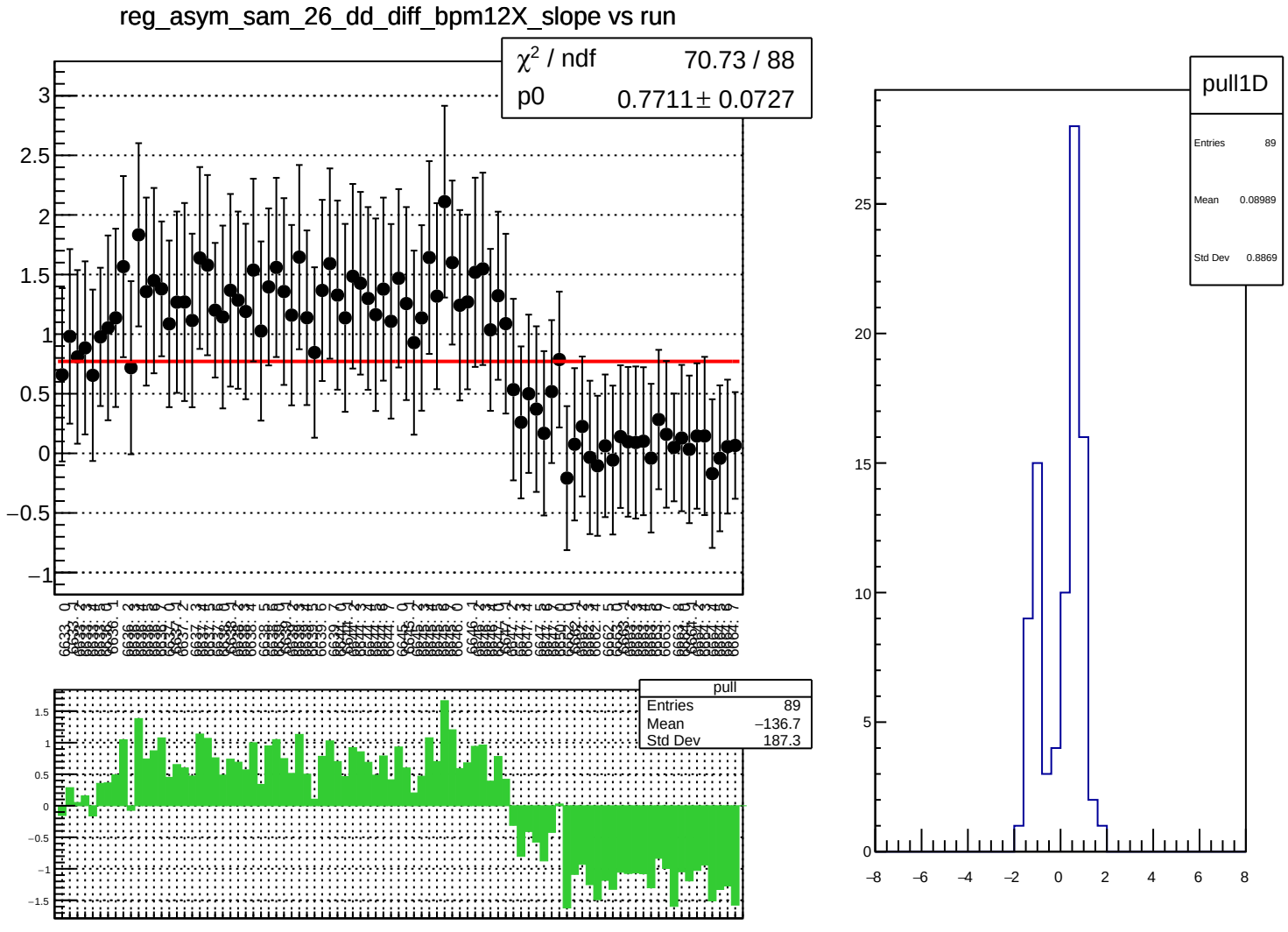

pull1D
Entries 89
Mean 0.0204
Std Dev 0.3615

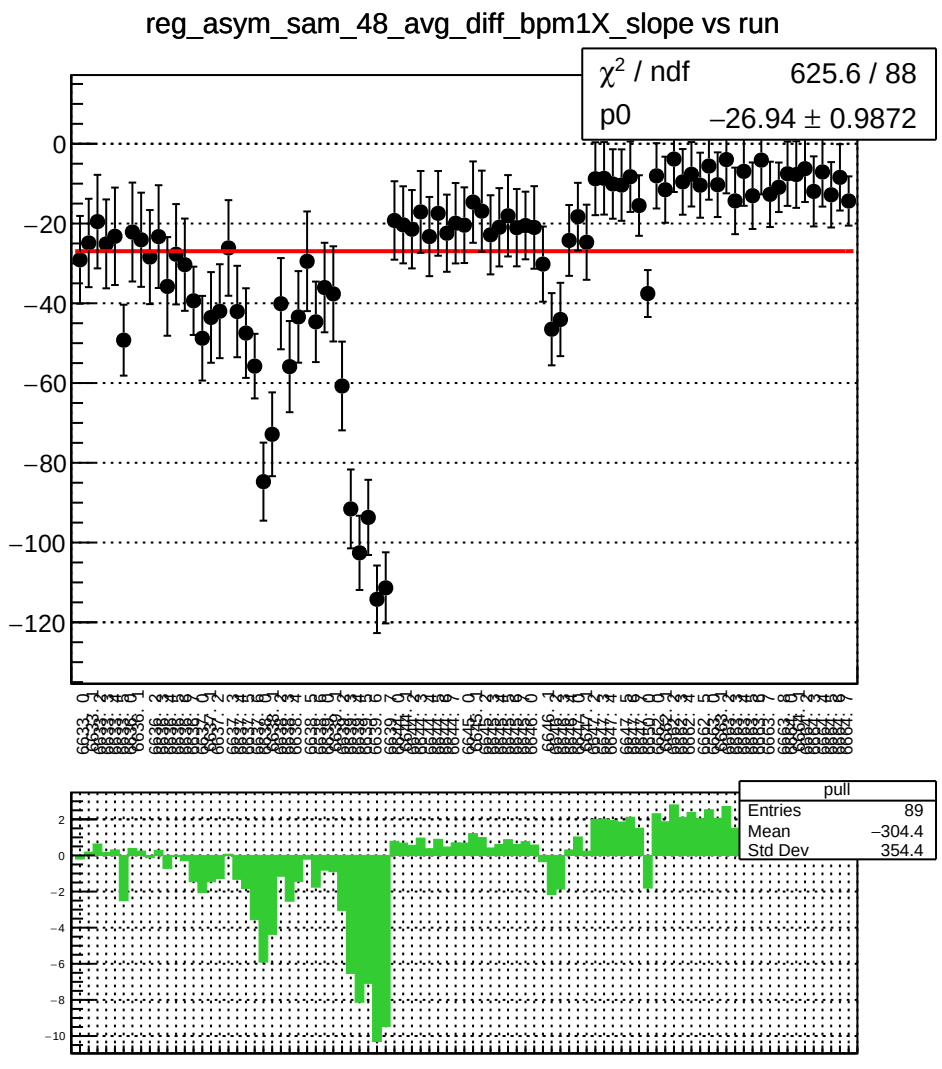

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.98 / 88
p0 −93.02 ± 1.67
pull
Entries 89
Mean −116
Std Dev 168

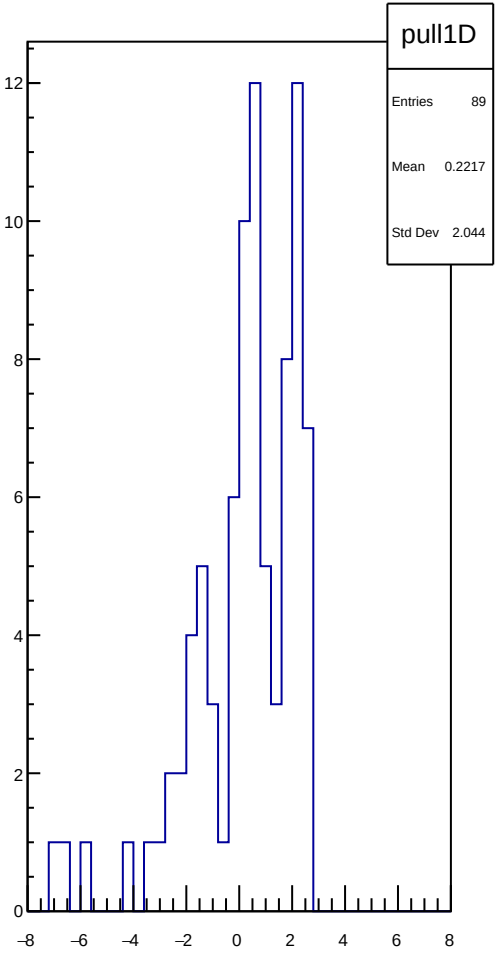

pull1D
Entries 89
Mean −0.04253
Std Dev 0.4951

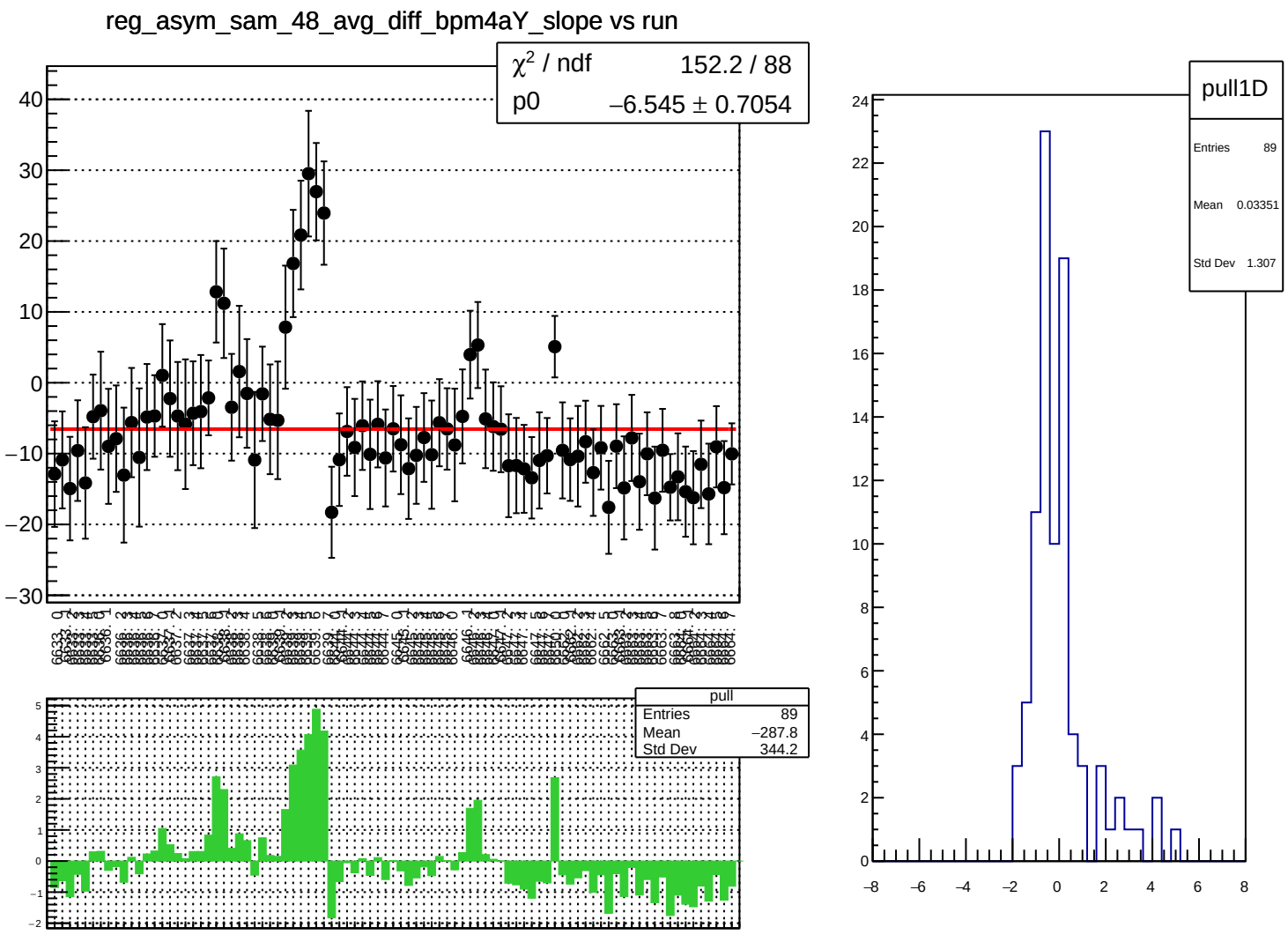

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.84 / 88
p0 −109.2 ± 1.321
pull
Entries 89
Mean −76.02
Std Dev 134.8

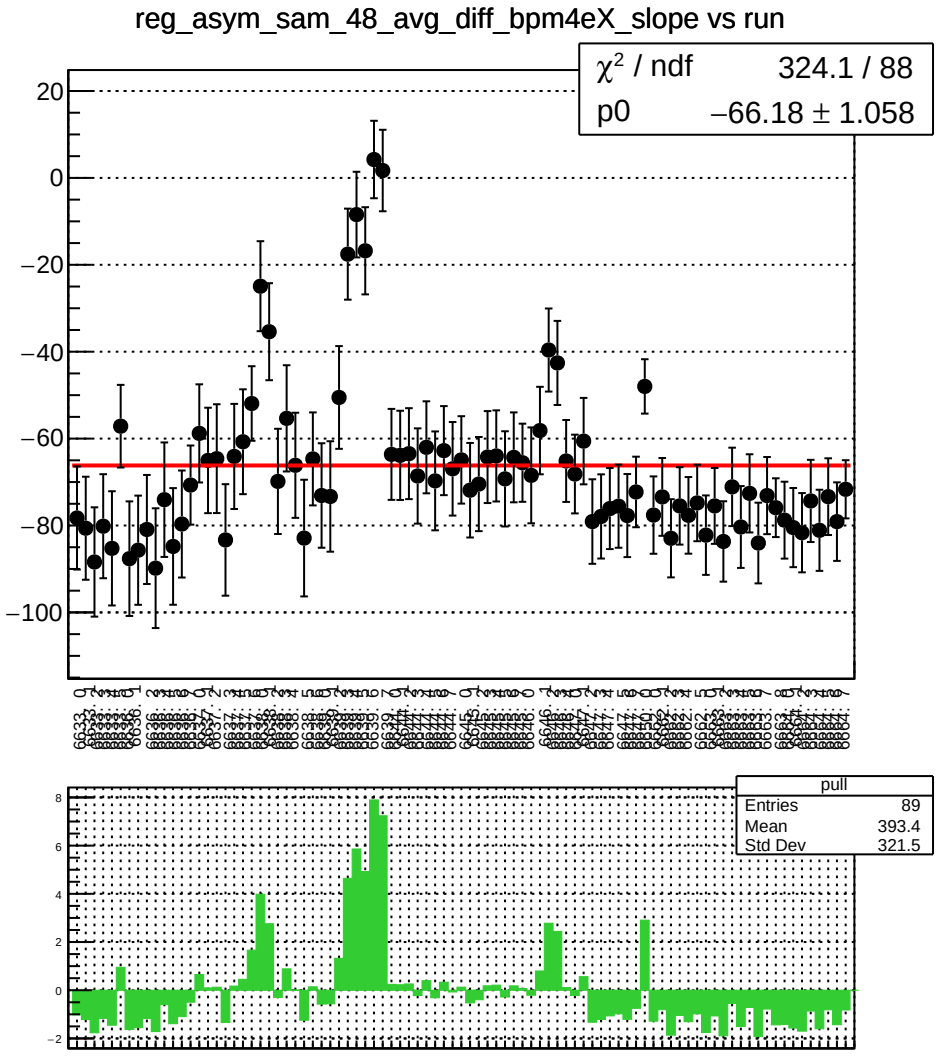

pull1D
Entries 89
Mean −0.02541
Std Dev 0.4343

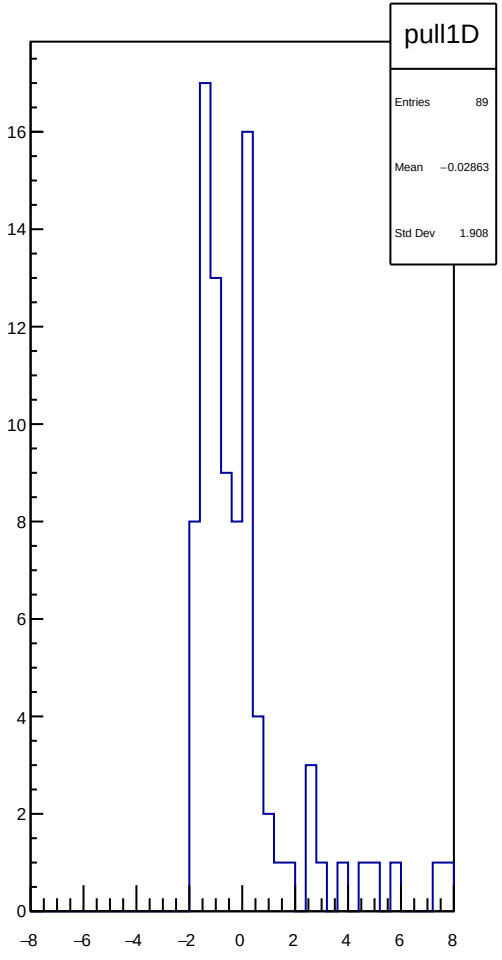

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 70.73 / 88
p0 0.7711 ± 0.0727
pull
Entries 89
Mean −136.7
Std Dev 187.3
pull1D
Entries 89
Mean 0.08989
Std Dev 0.8869

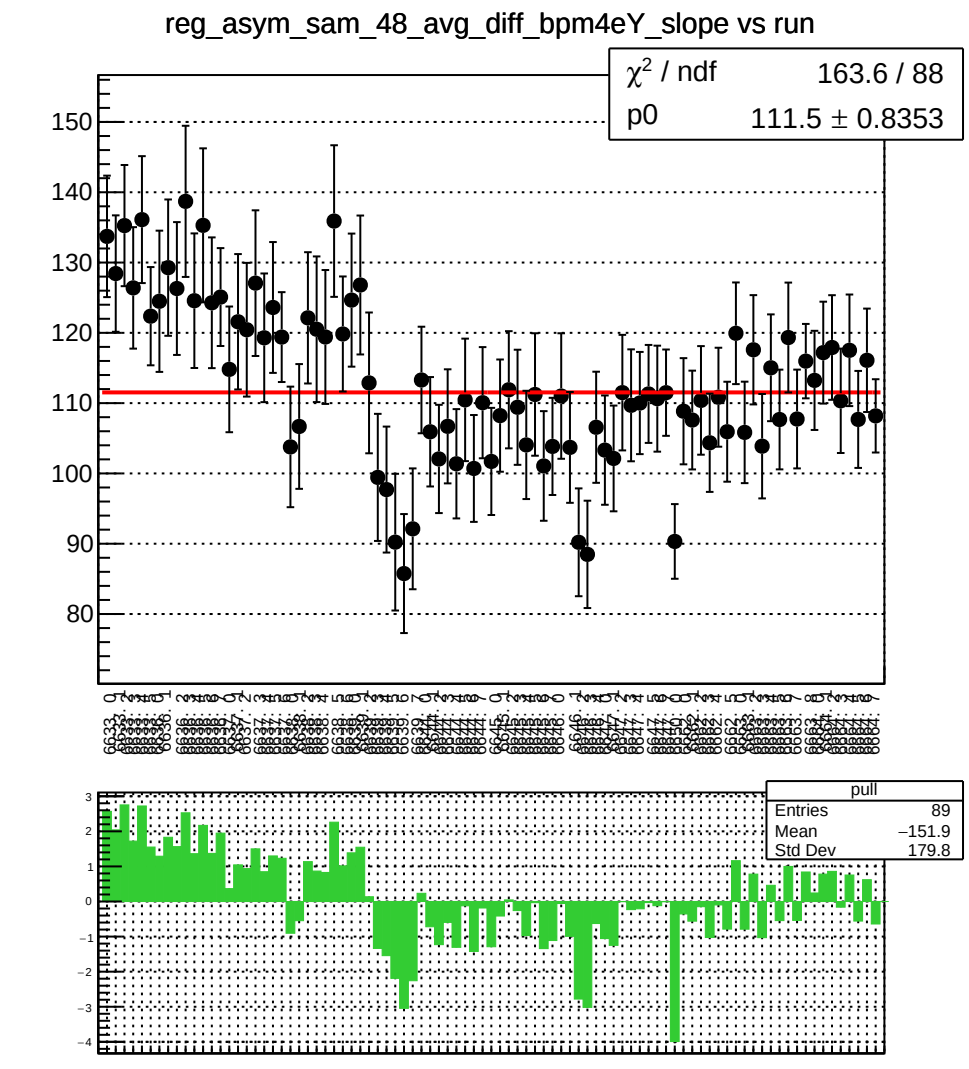

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 625.6 / 88
p0 −26.94 ± 0.9872
pull
Entries 89
Mean −304.4
Std Dev 354.4

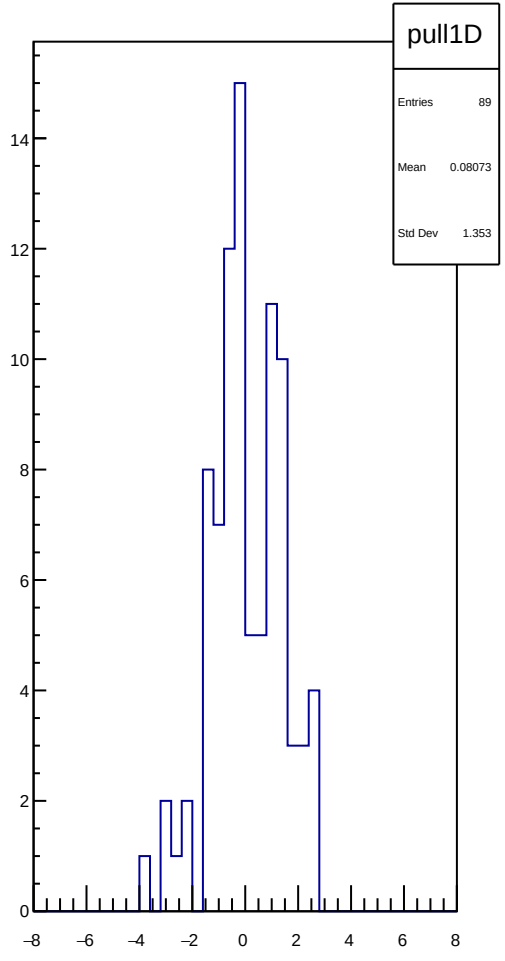

pull1D
Entries 89
Mean 0.2217
Std Dev 2.044

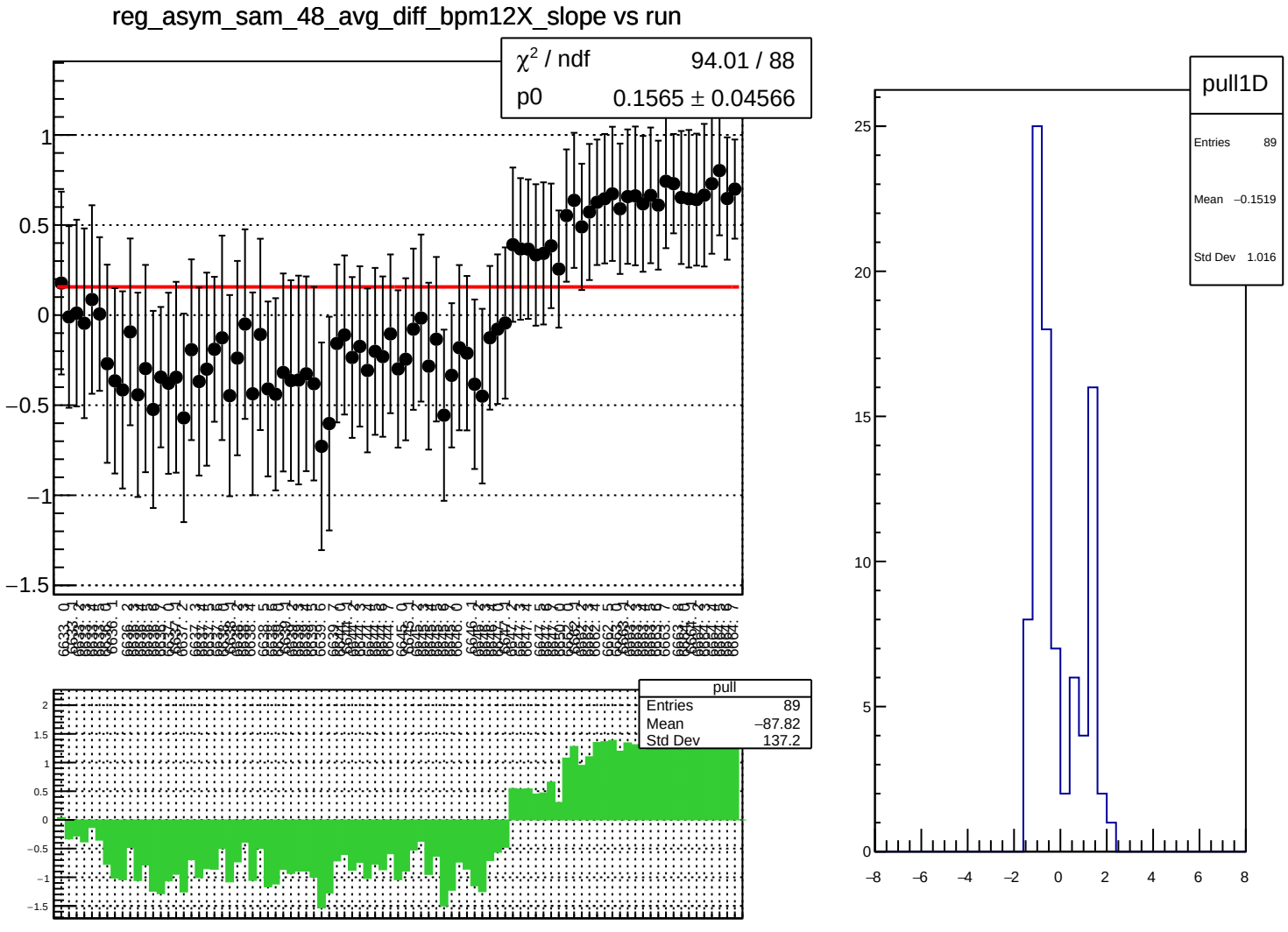

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 152.2 / 88
p0 −6.545 ± 0.7054
pull
Entries 89
Mean −287.8
Std Dev 344.2
pull1D
Entries 89
Mean 0.03351
Std Dev 1.307

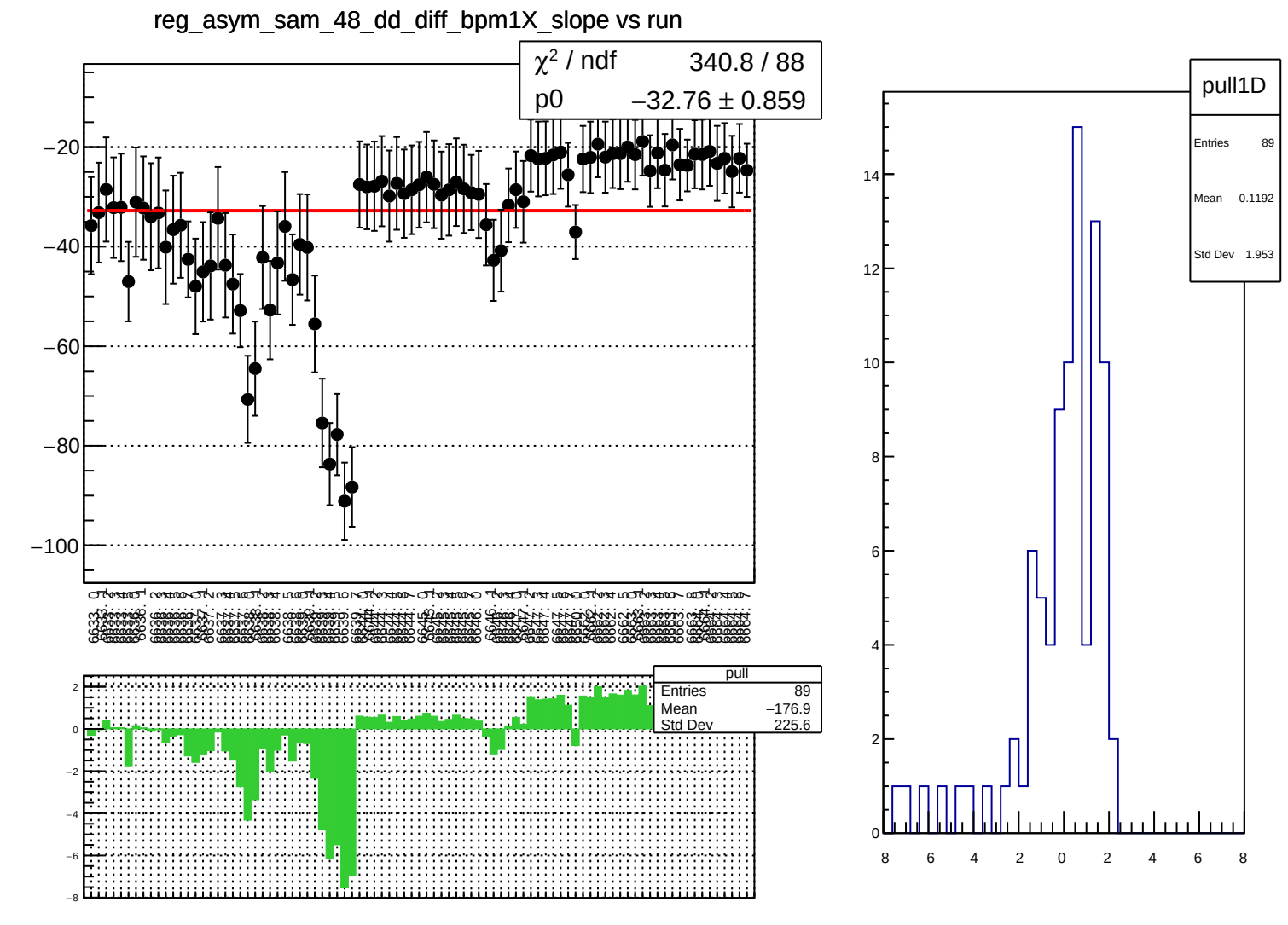

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 324.1 / 88
p0 −66.18 ± 1.058
pull
Entries 89
Mean 393.4
Std Dev 321.5

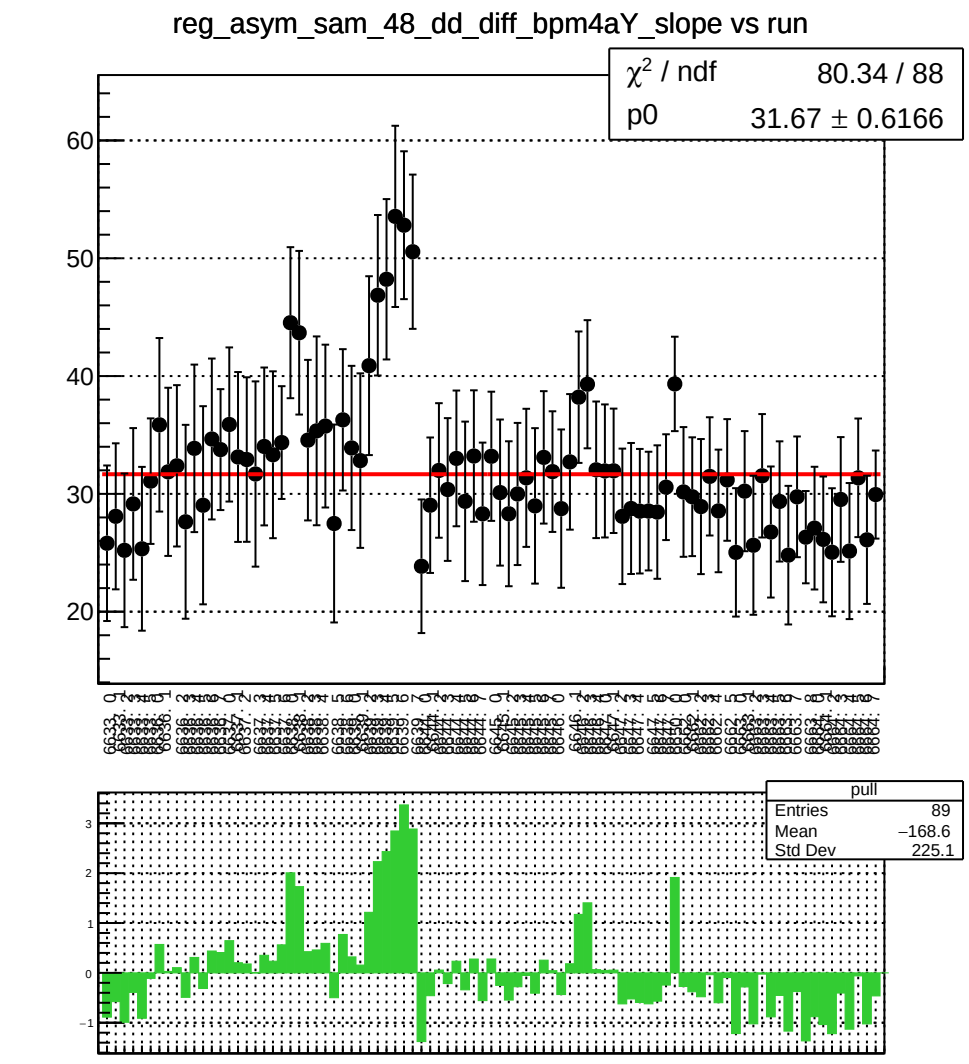

pull1D
Entries 89
Mean −0.02863
Std Dev 1.908

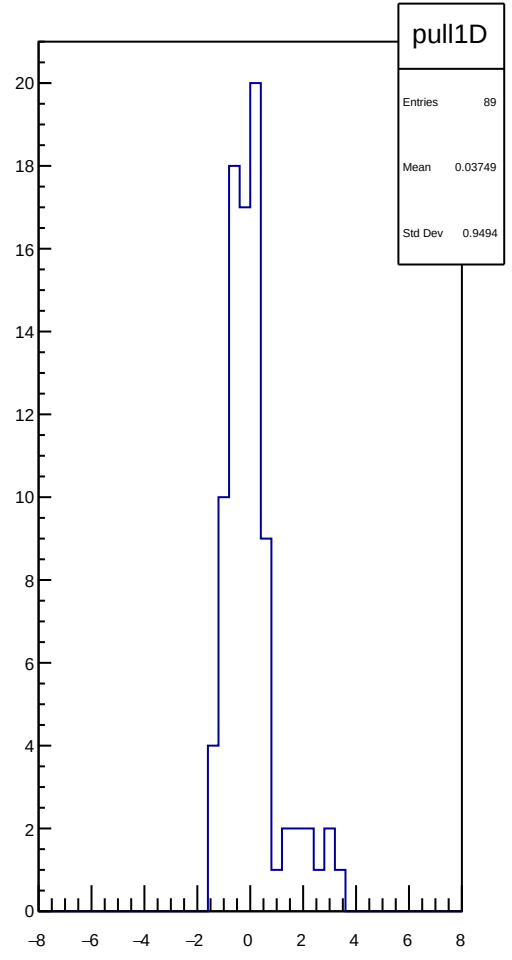

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 163.6 / 88
p0 111.5 ± 0.8353
150
140
130
120
110
100
90
80
pull
Entries 89
Mean −151.9
Std Dev 179.8
3
2
1
0
−1
−2
−3
−4

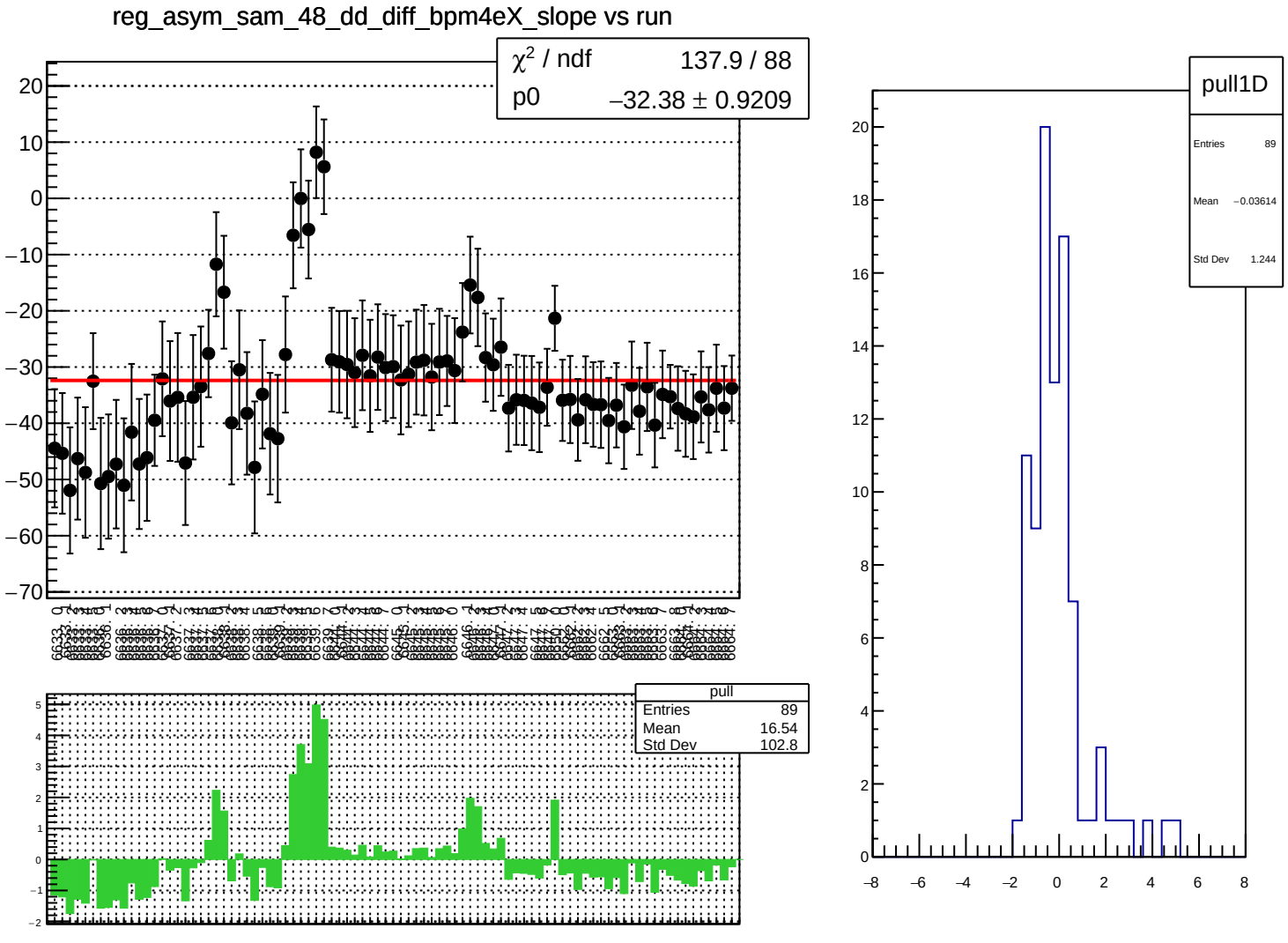

pull1D
Entries 89
Mean 0.08073
Std Dev 1.353
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

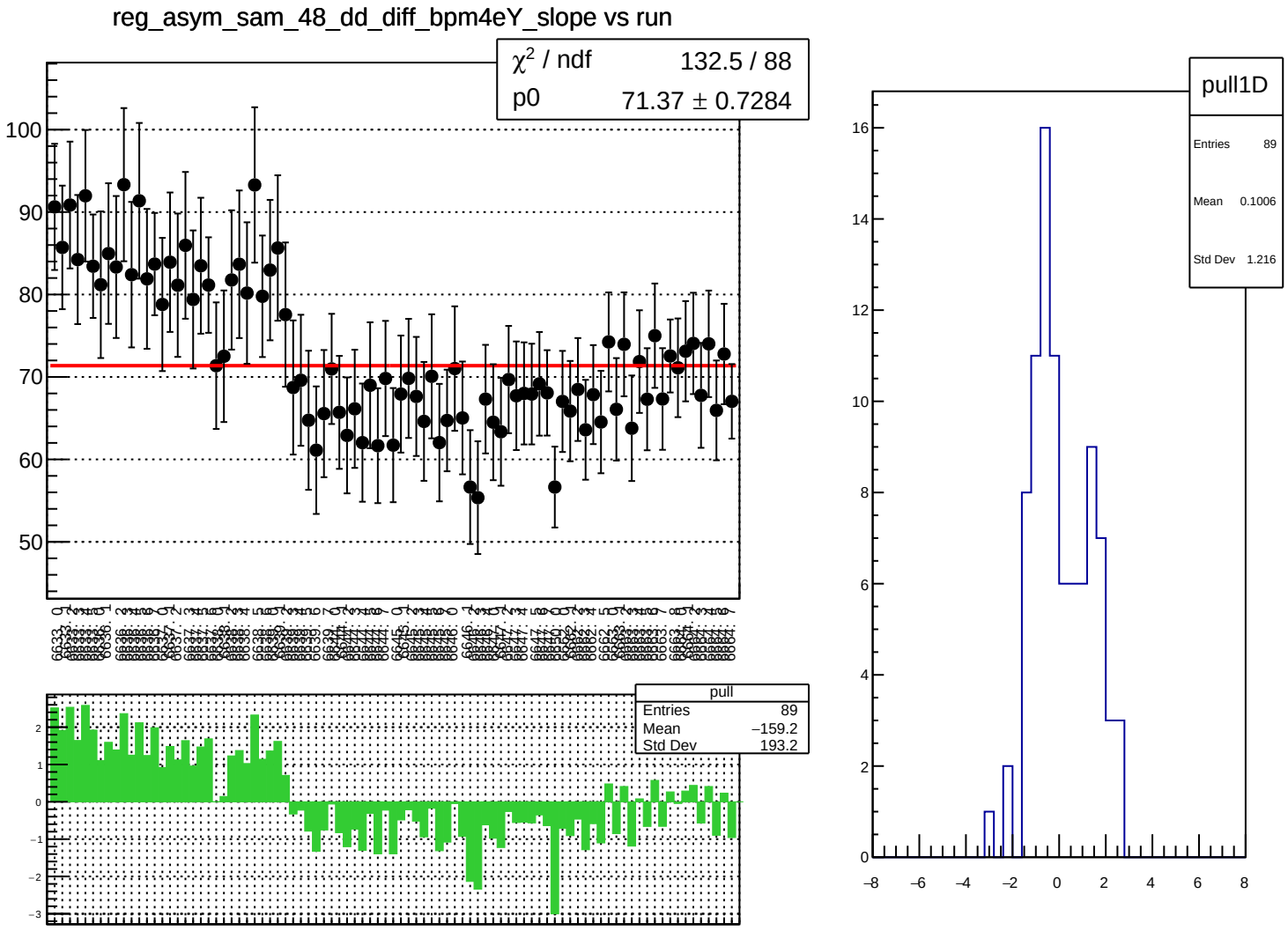

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 94.01 / 88
p0 0.1565 ± 0.04566
pull
Entries 89
Mean −87.82
Std Dev 137.2
pull1D
Entries 89
Mean −0.1519
Std Dev 1.016

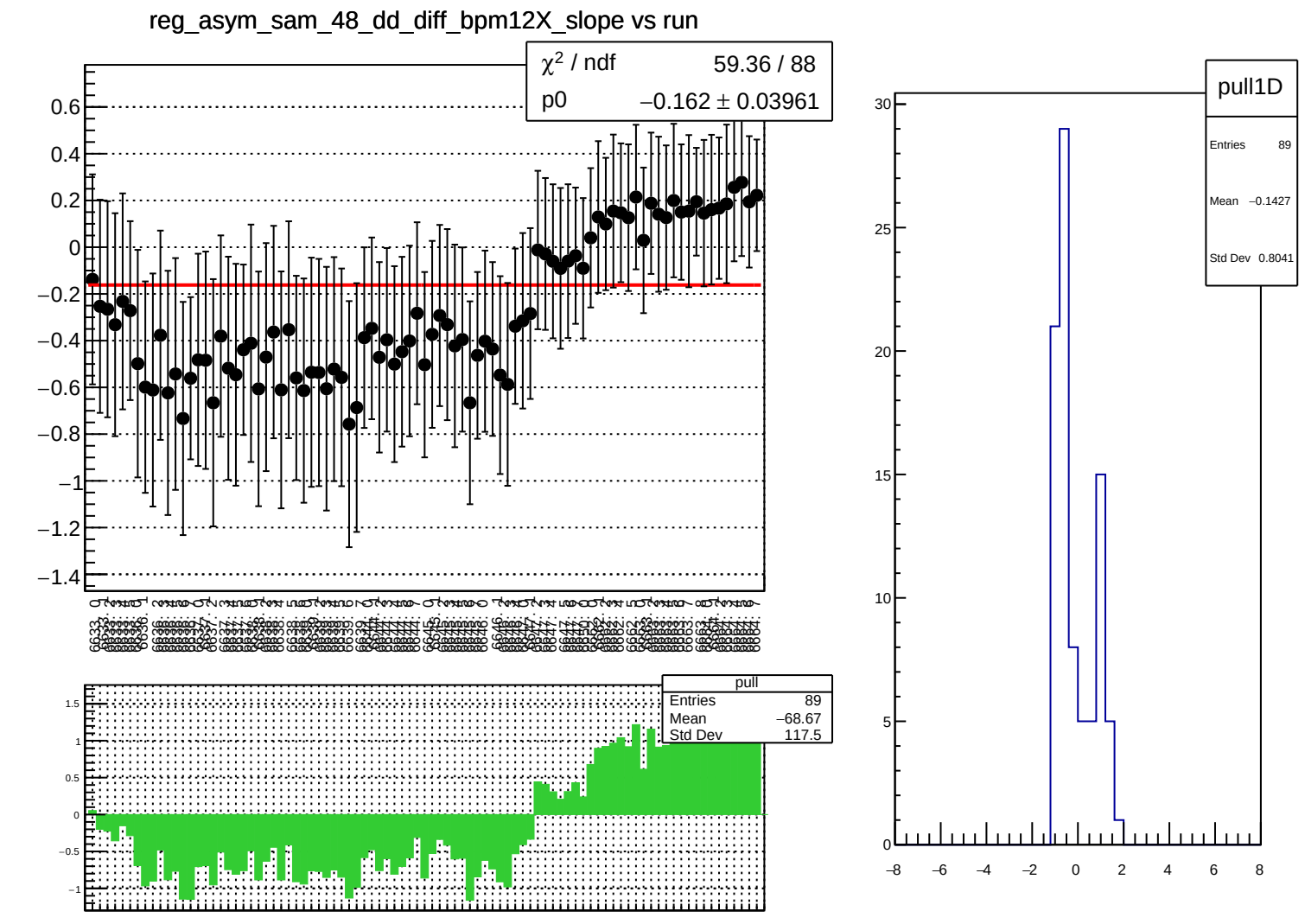

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 340.8 / 88
p0 −32.76 ± 0.859
−20
−40
−60
−80
−100
pull
Entries 89
Mean −176.9
Std Dev 225.6
2
0
−2
−4
−6
−8
pull1D
Entries 89
Mean −0.1192
Std Dev 1.953
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

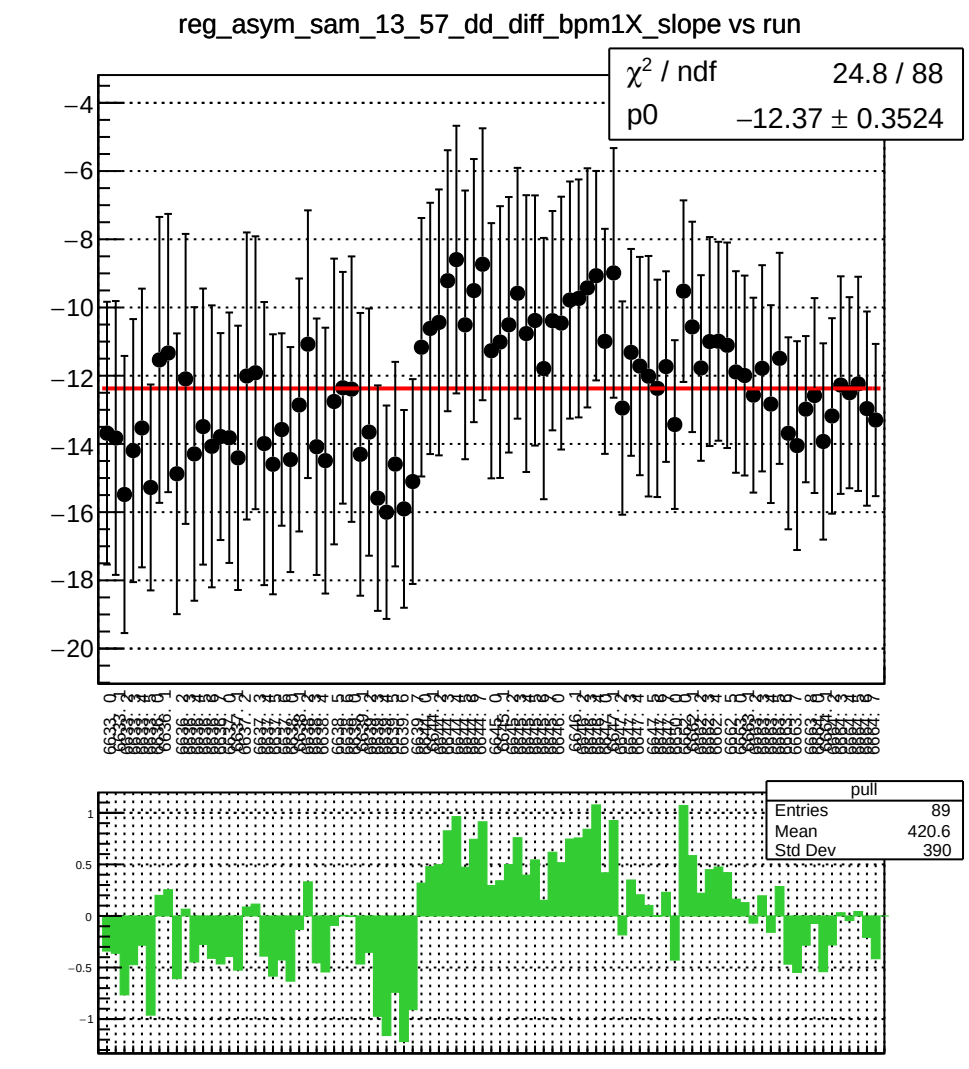

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.34 / 88
p0 31.67 ± 0.6166
pull
Entries 89
Mean −168.6
Std Dev 225.1

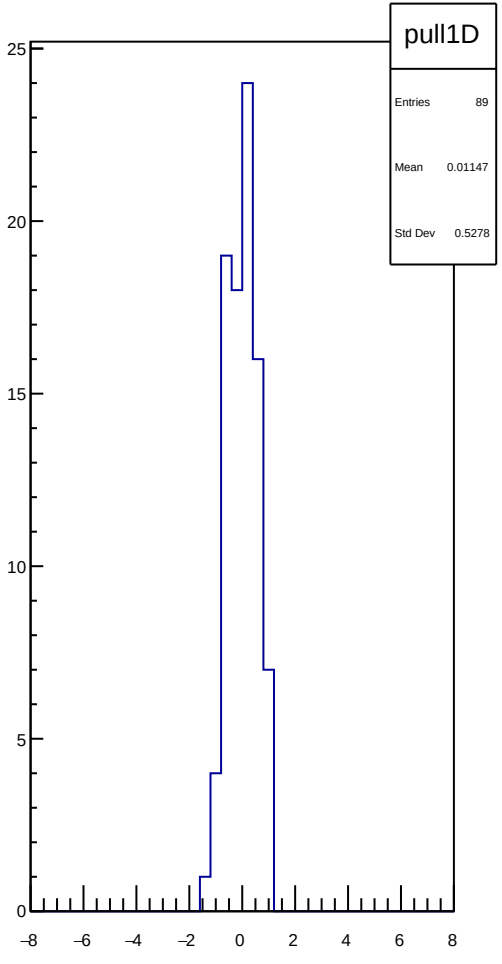

pull1D
Entries 89
Mean 0.03749
Std Dev 0.9494

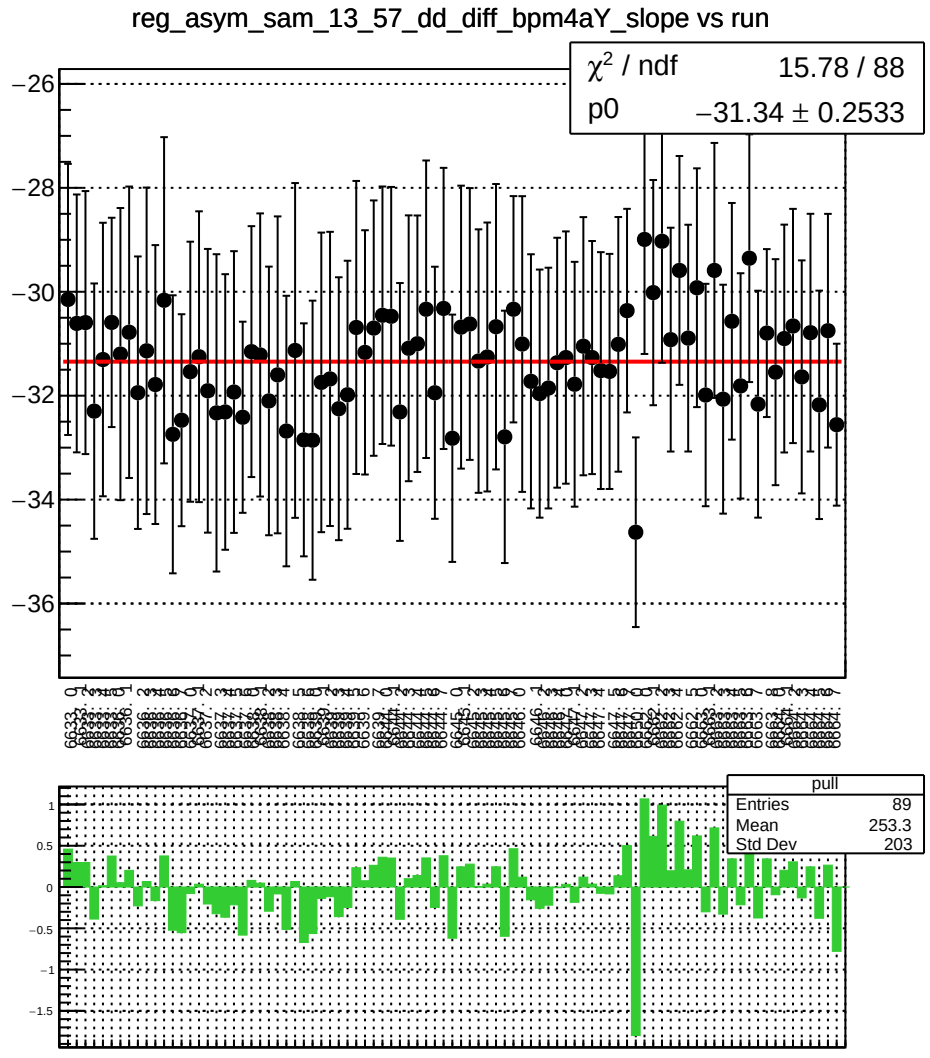

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 137.9 / 88
p0 −32.38 ± 0.9209
pull
Entries 89
Mean 16.54
Std Dev 102.8
pull1D
Entries 89
Mean −0.03614
Std Dev 1.244

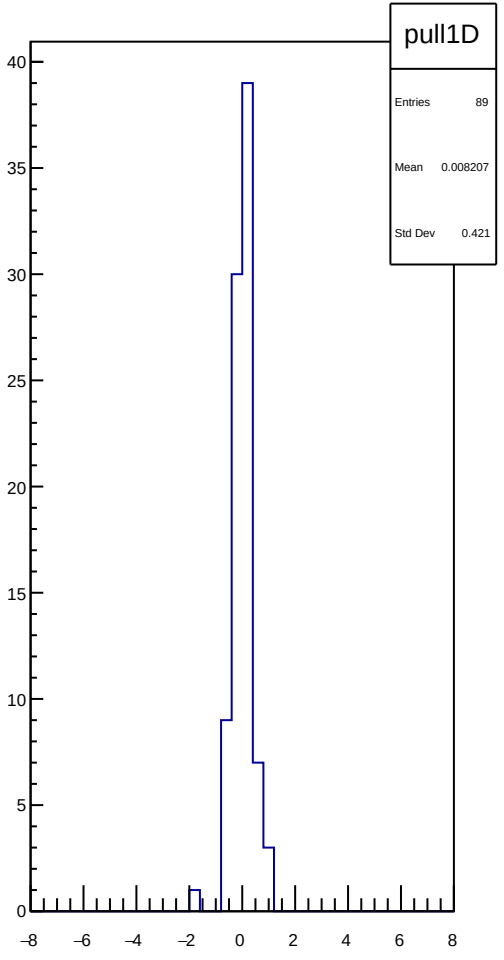

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 132.5 / 88
p0 71.37 ± 0.7284
pull
Entries 89
Mean −159.2
Std Dev 193.2
pull1D
Entries 89
Mean 0.1006
Std Dev 1.216

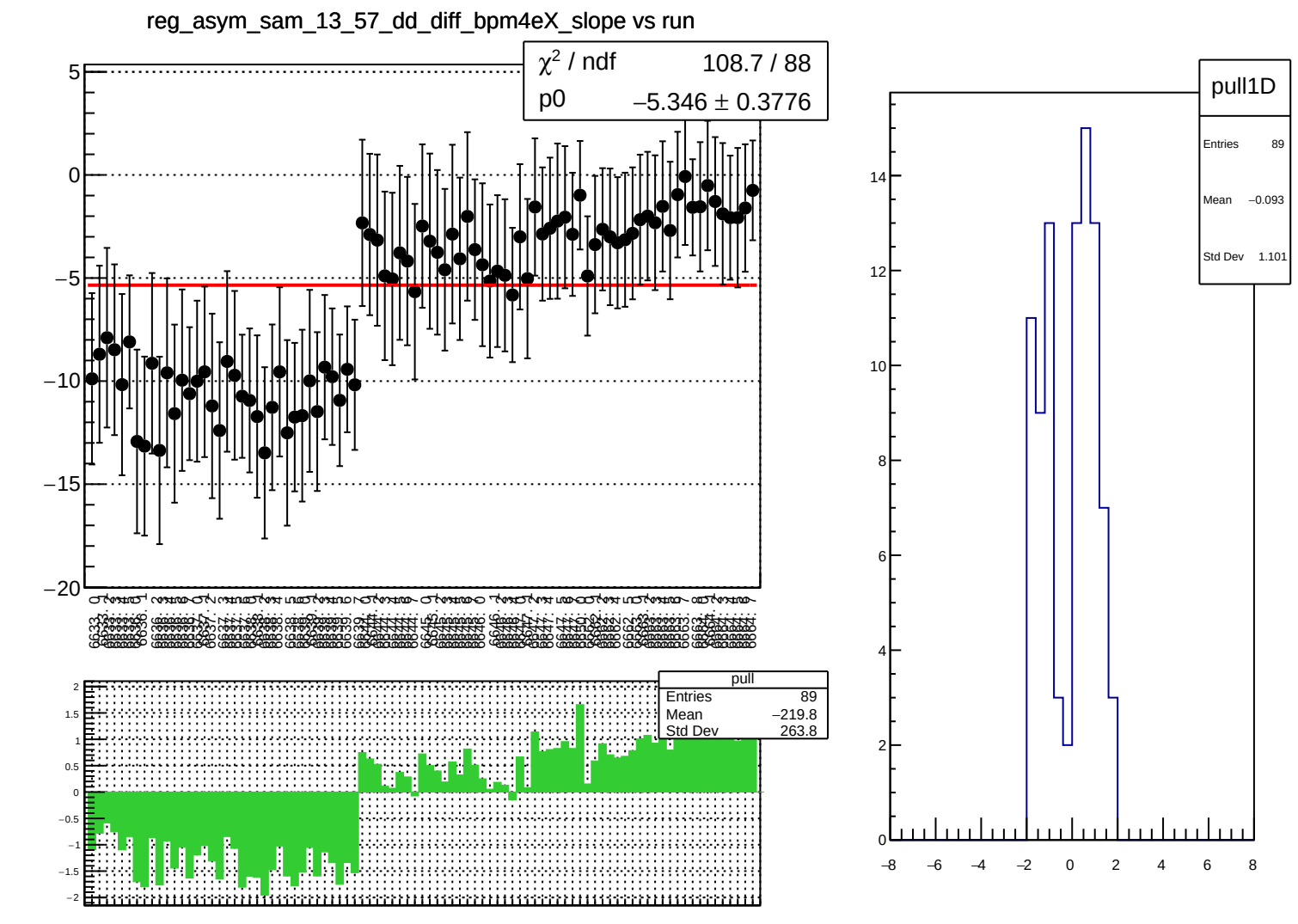

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 59.36 / 88
p0 −0.162 ± 0.03961
pull
Entries 89
Mean −68.67
Std Dev 117.5
pull1D
Entries 89
Mean −0.1427
Std Dev 0.8041

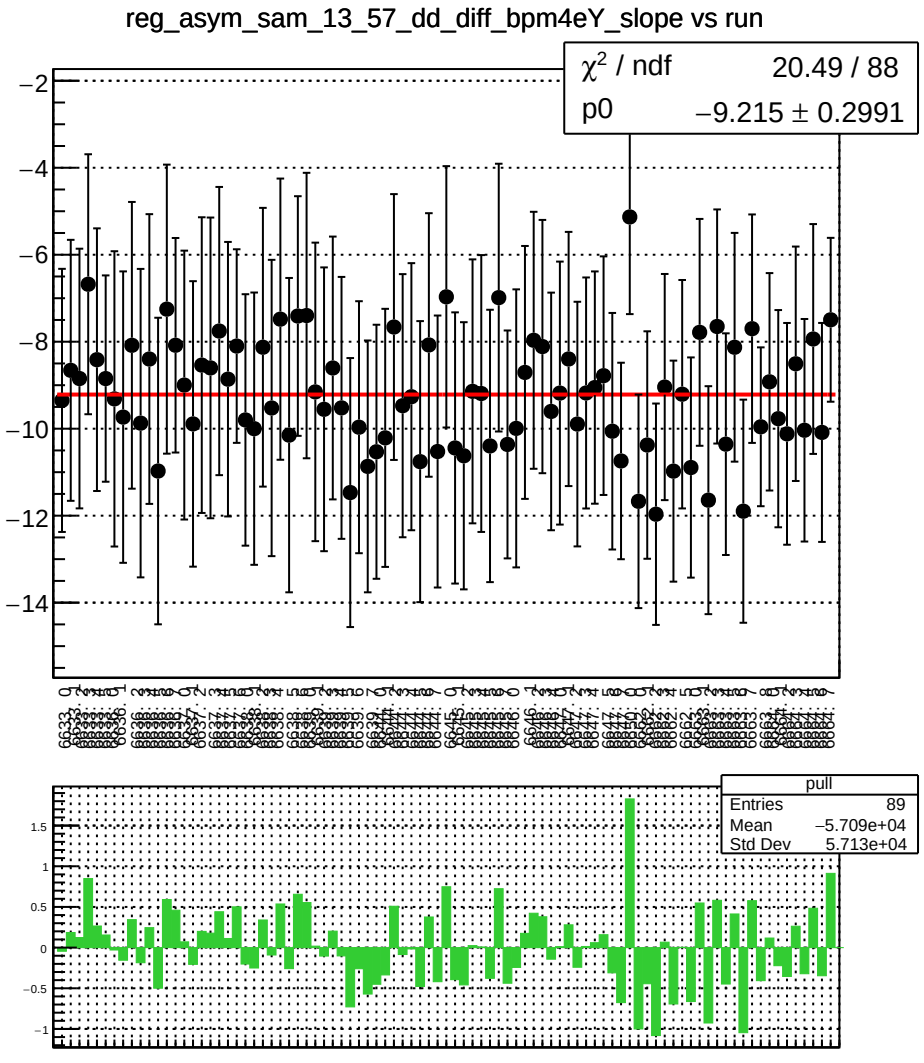

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 24.8 / 88
p0 −12.37 ± 0.3524
pull
Entries 89
Mean 420.6
Std Dev 390

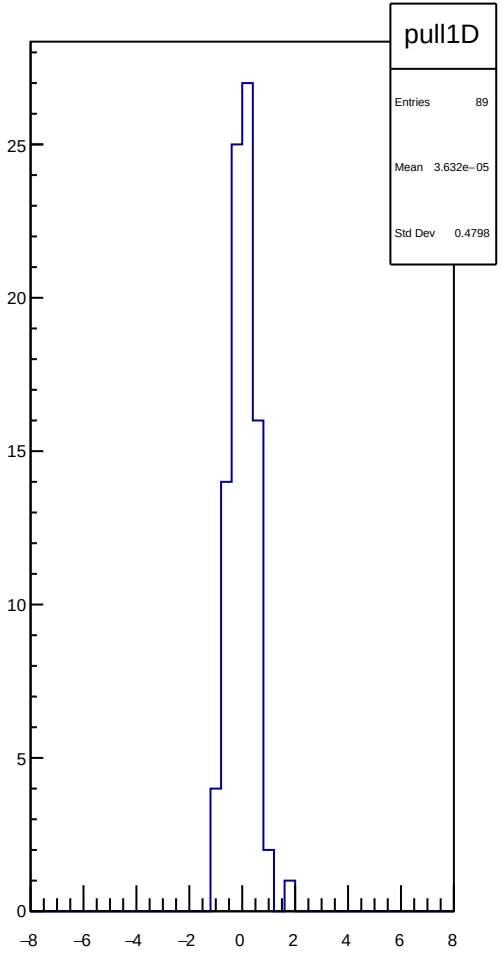

pull1D
Entries 89
Mean 0.01147
Std Dev 0.5278

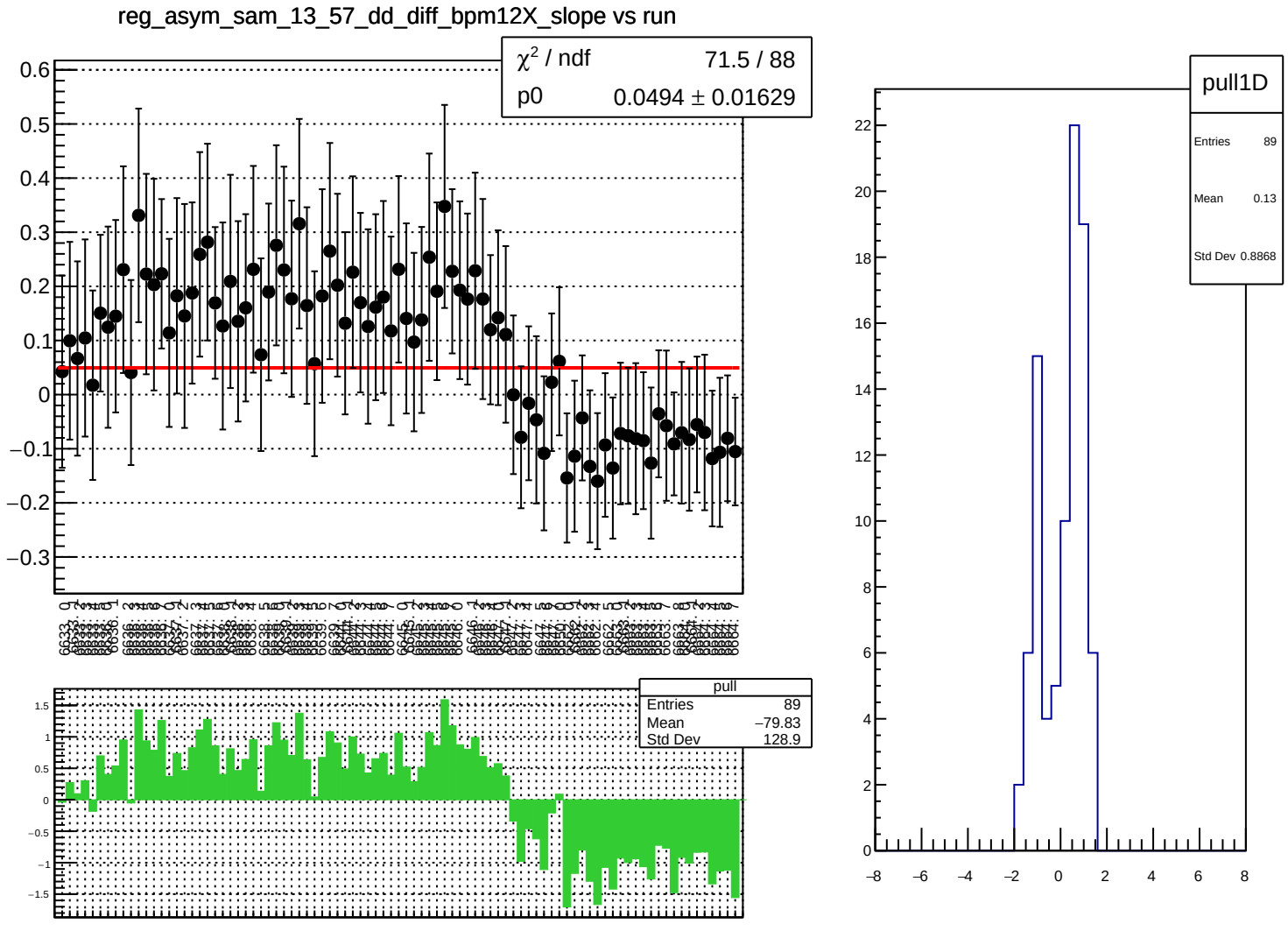

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.78 / 88
p0 −31.34 ± 0.2533
pull
Entries 89
Mean 253.3
Std Dev 203

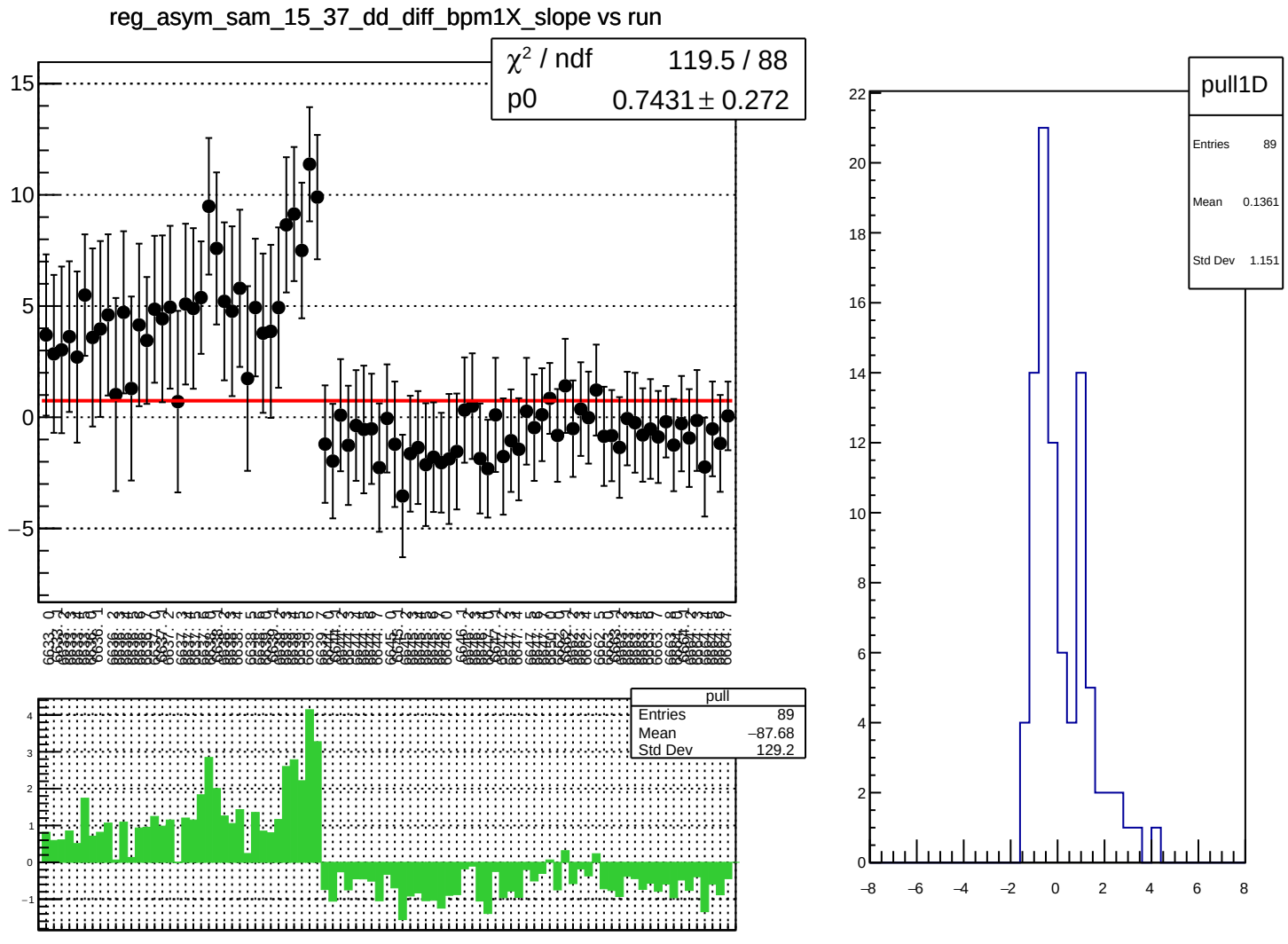

pull1D
Entries 89
Mean 0.008207
Std Dev 0.421

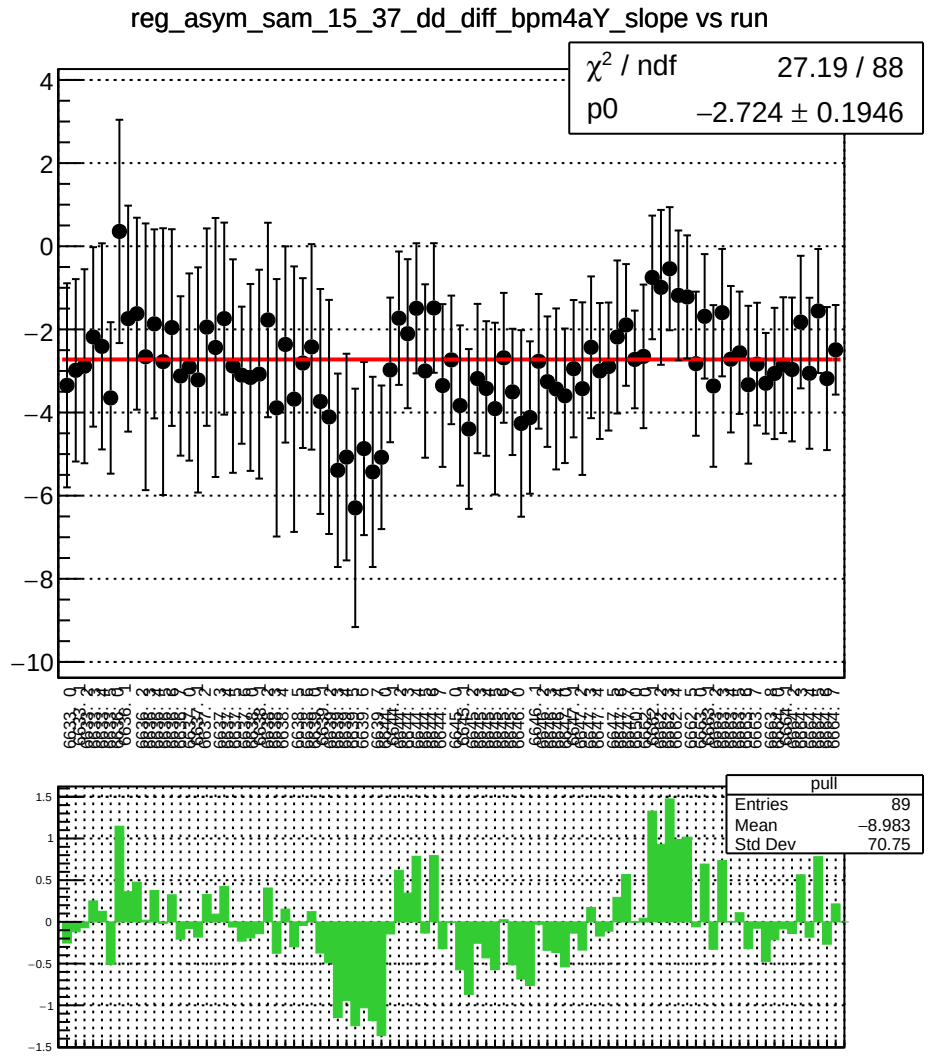

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.7 / 88
p0 −5.346 ± 0.3776
pull
Entries 89
Mean −219.8
Std Dev 263.8
pull1D
Entries 89
Mean −0.093
Std Dev 1.101

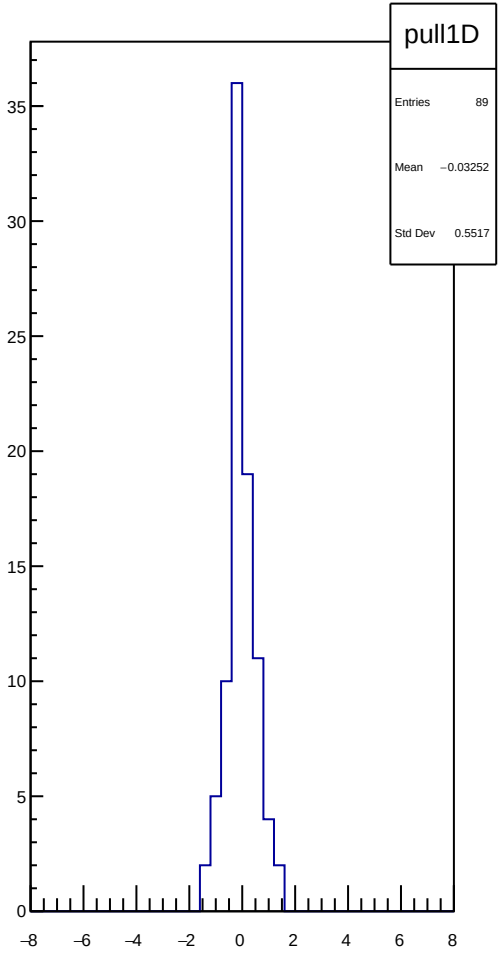

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.49 / 88
p0 −9.215 ± 0.2991
pull
Entries 89
Mean −5.709e+04
Std Dev 5.713e+04

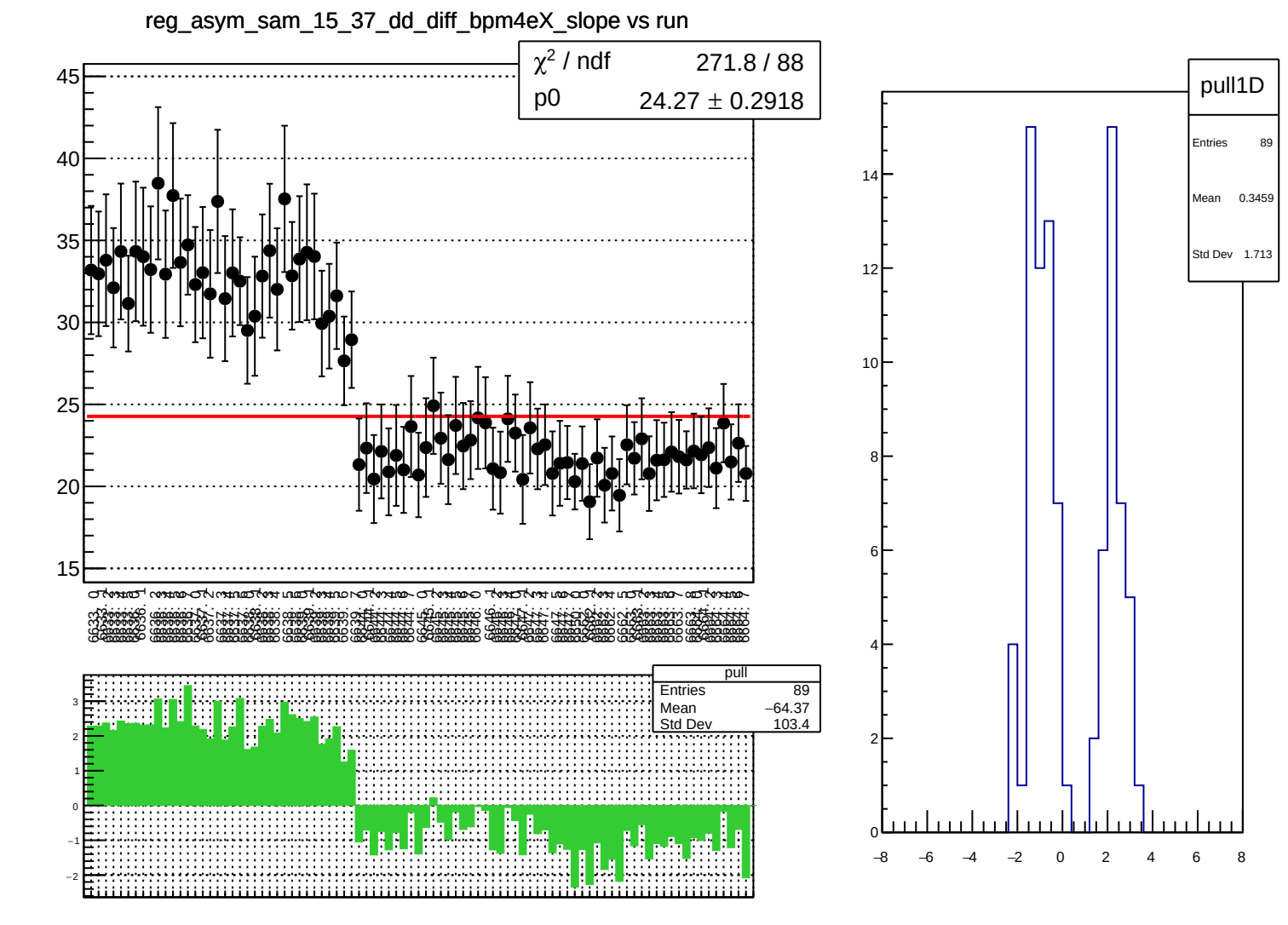

pull1D
Entries 89
Mean 3.632e−05
Std Dev 0.4798

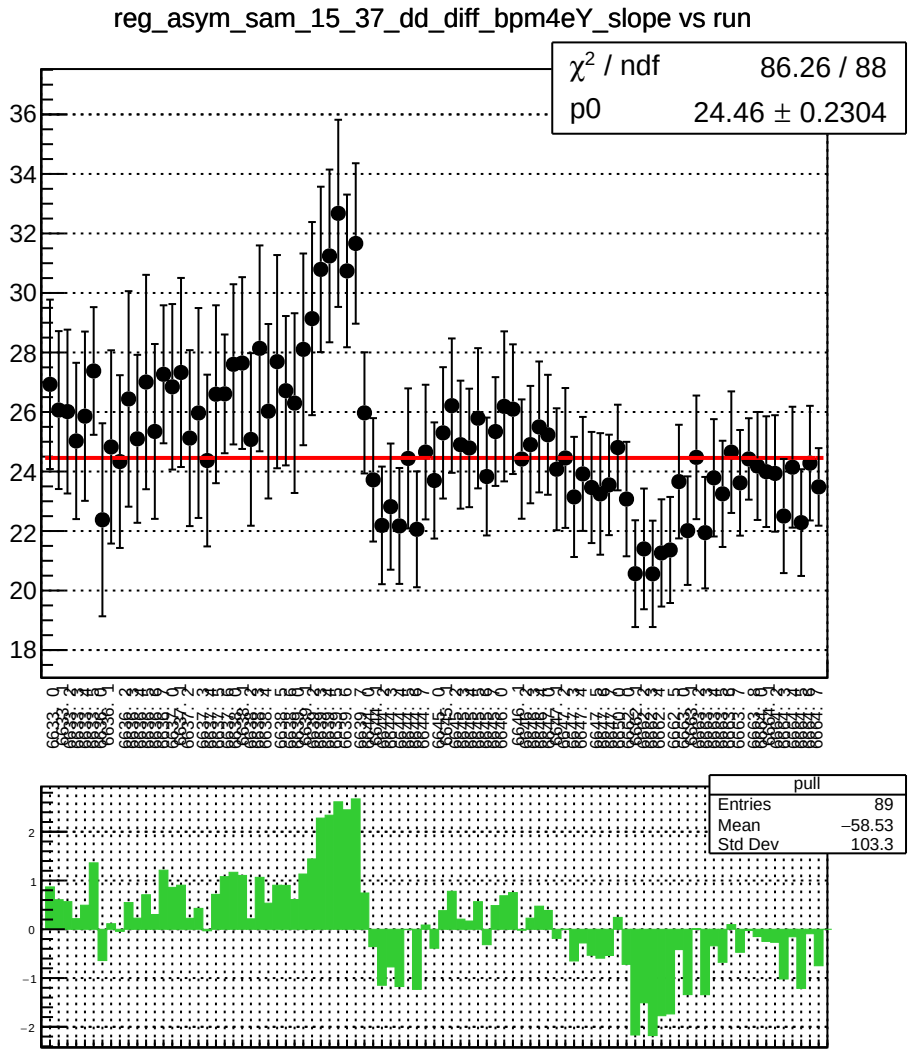

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 71.5 / 88
p0 0.0494 ± 0.01629
pull
Entries 89
Mean −79.83
Std Dev 128.9
pull1D
Entries 89
Mean 0.13
Std Dev 0.8868

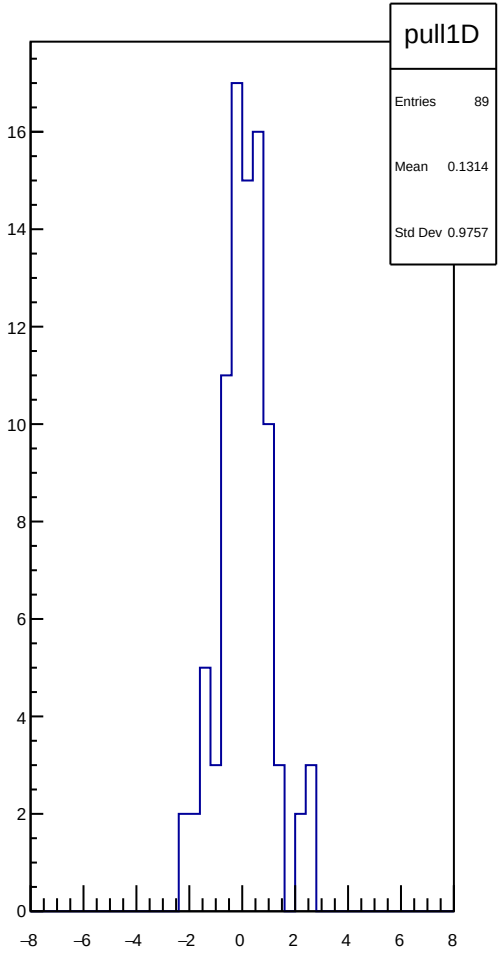

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 119.5 / 88
p0 0.7431 ± 0.272
pull
Entries 89
Mean −87.68
Std Dev 129.2
pull1D
Entries 89
Mean 0.1361
Std Dev 1.151

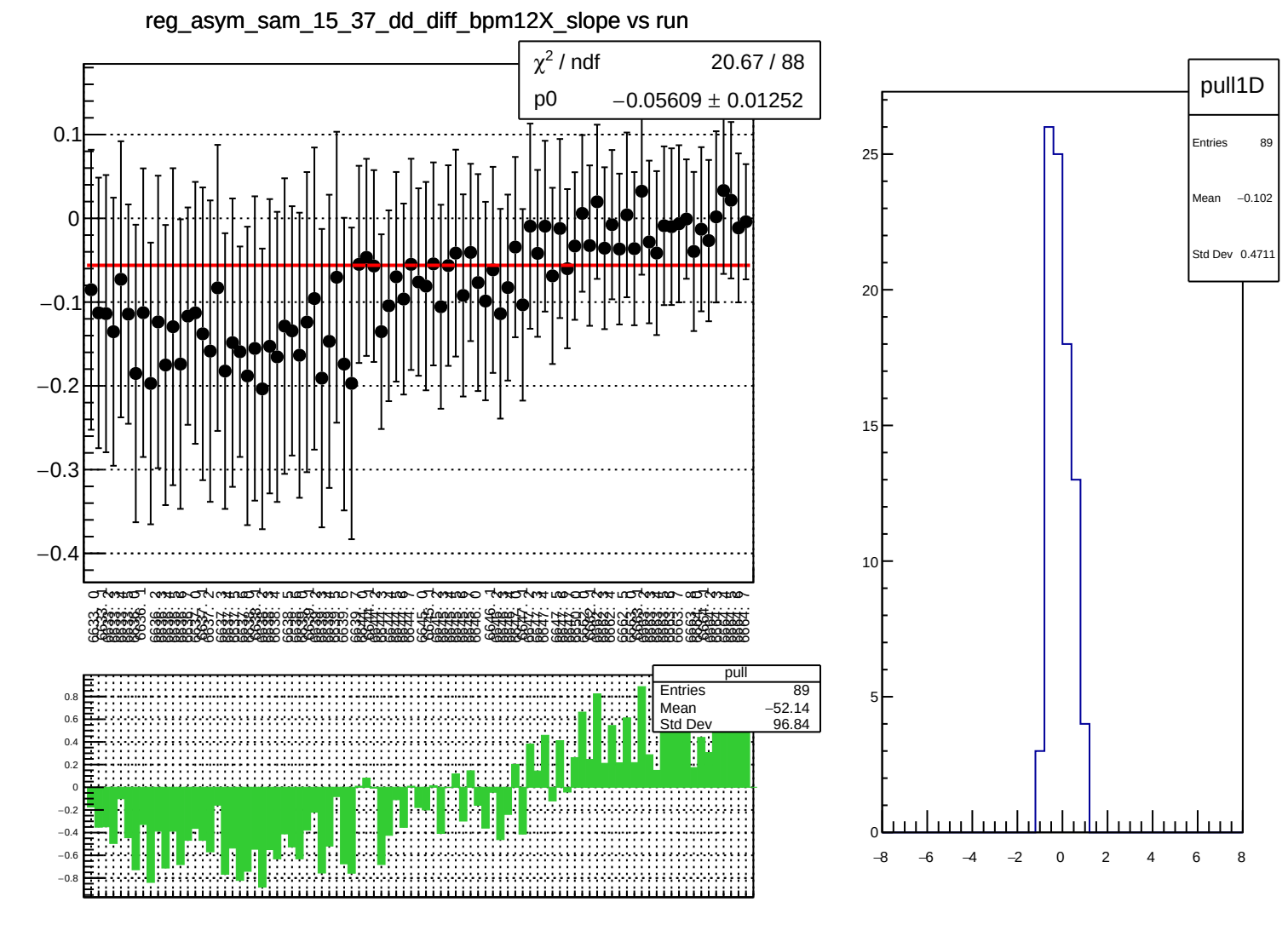

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.19 / 88
p0 −2.724 ± 0.1946
pull
Entries 89
Mean −8.983
Std Dev 70.75

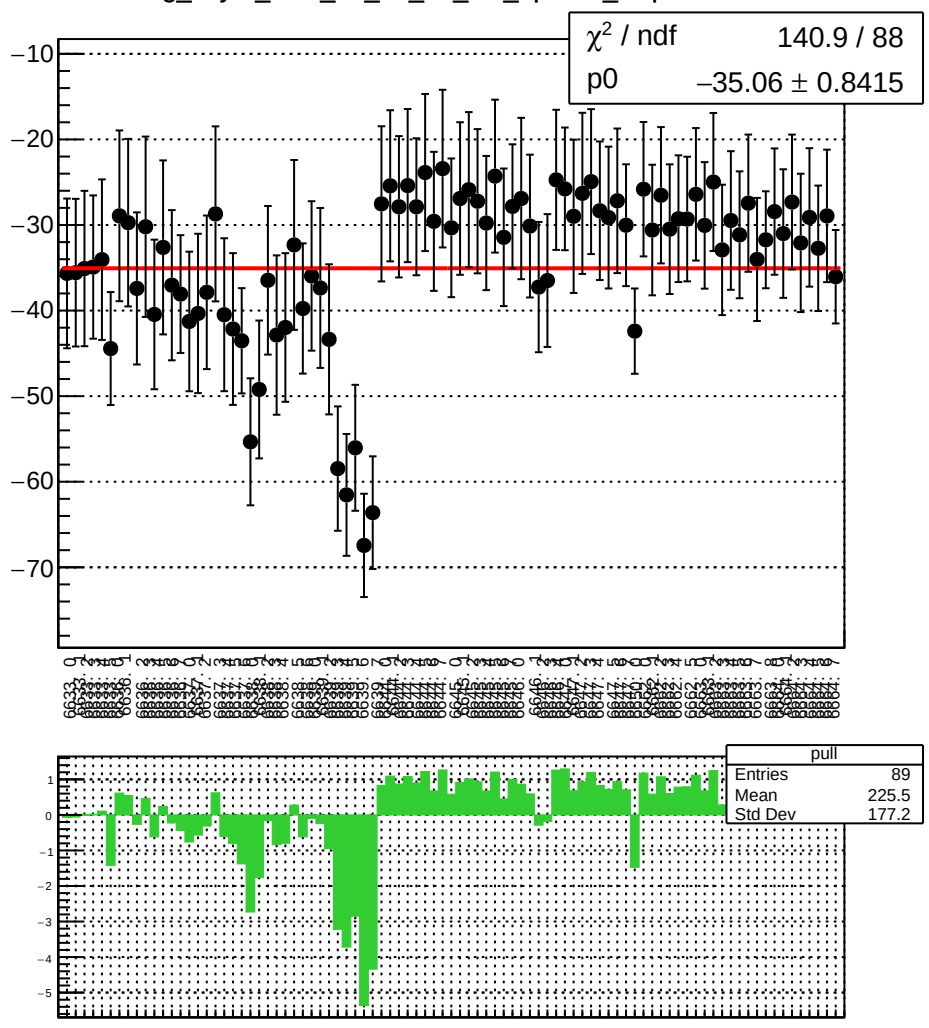

pull1D
Entries 89
Mean −0.03252
Std Dev 0.5517

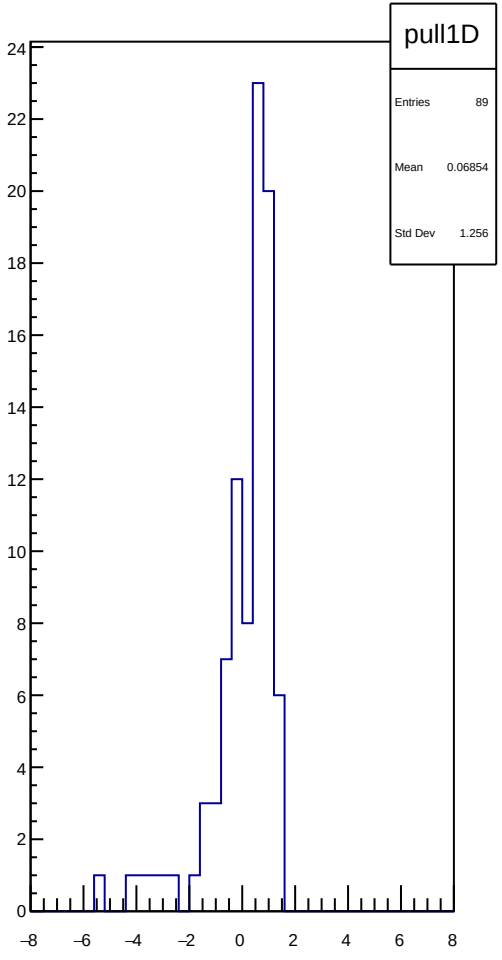

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 271.8 / 88
p0 24.27 ± 0.2918
pull
Entries 89
Mean −64.37
Std Dev 103.4
pull1D
Entries 89
Mean 0.3459
Std Dev 1.713

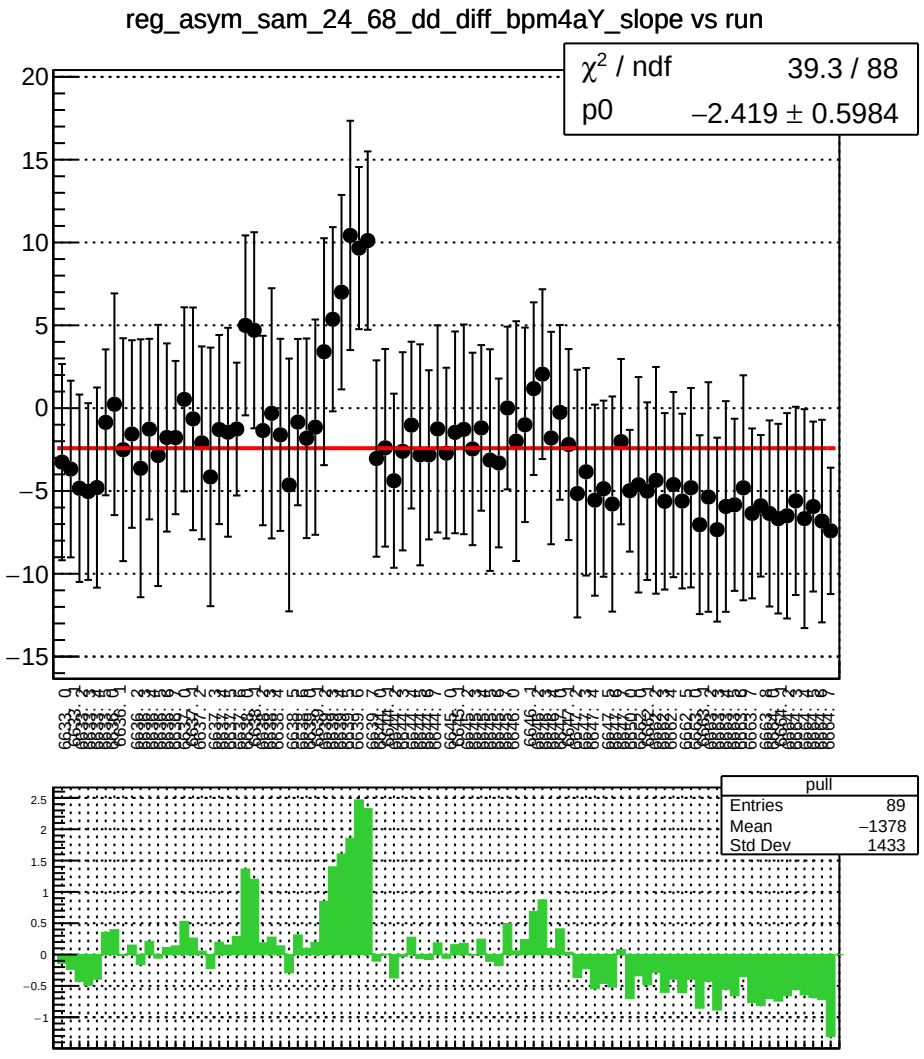

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 86.26 / 88
p0 24.46 ± 0.2304
pull
Entries 89
Mean −58.53
Std Dev 103.3

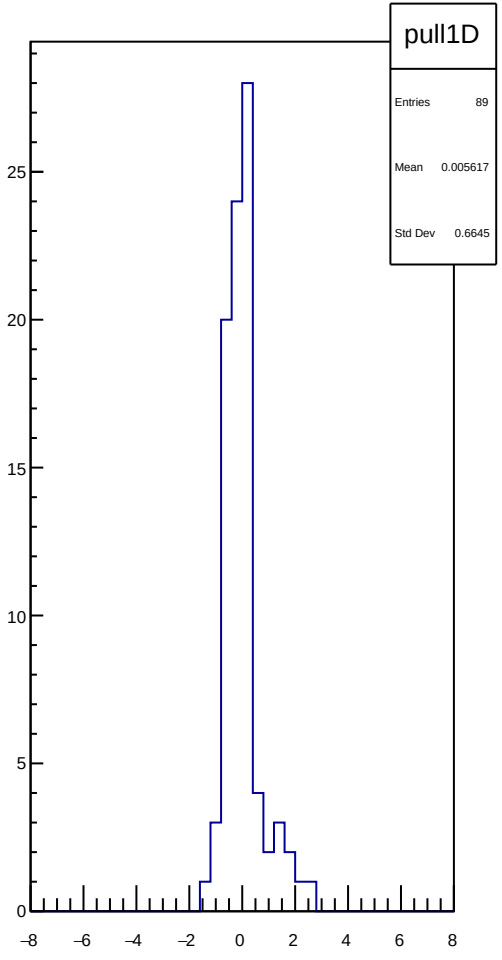

pull1D
Entries 89
Mean 0.1314
Std Dev 0.9757

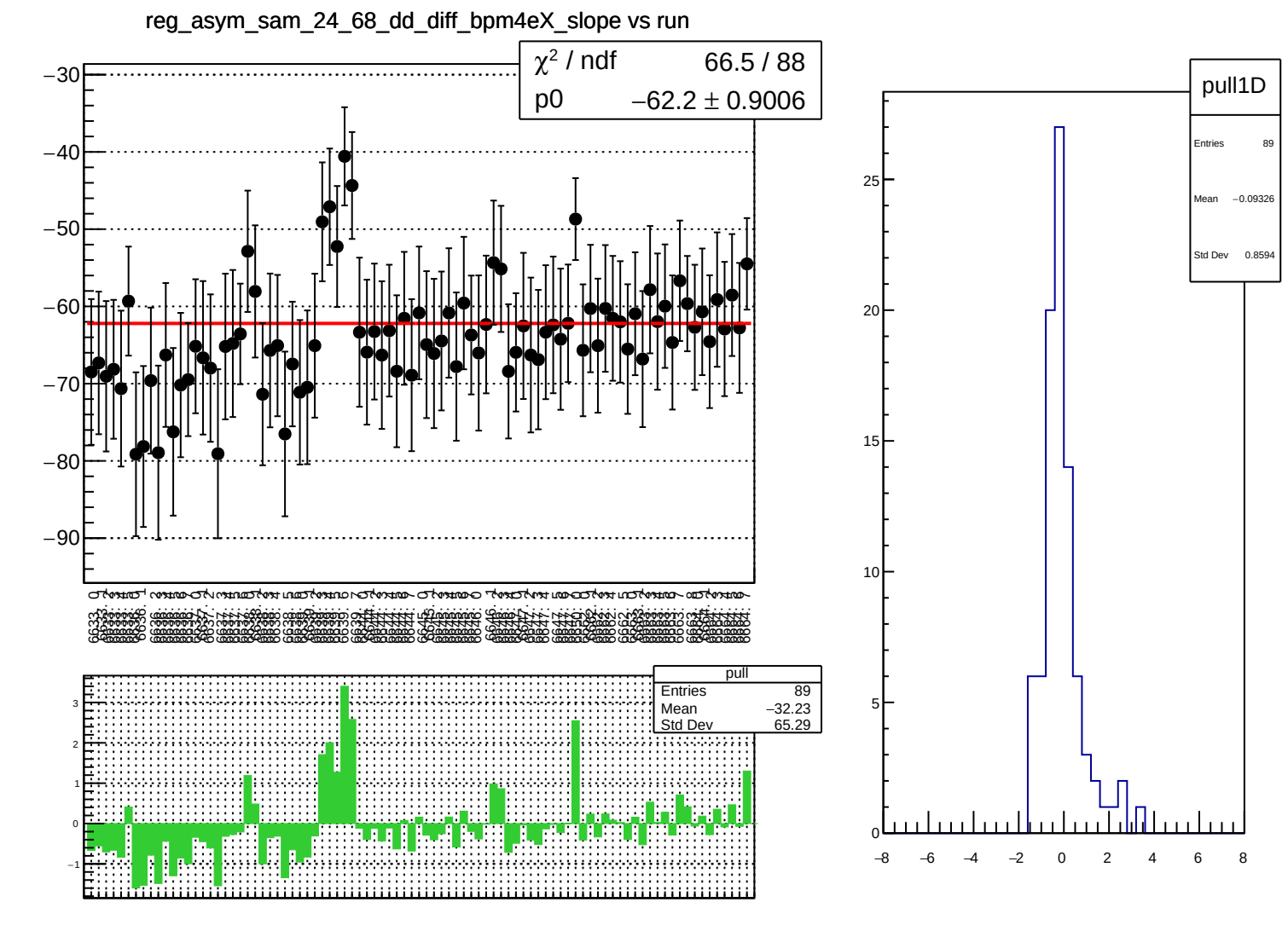

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 20.67 / 88
p0 −0.05609 ± 0.01252
pull
Entries 89
Mean −52.14
Std Dev 96.84
pull1D
Entries 89
Mean −0.102
Std Dev 0.4711

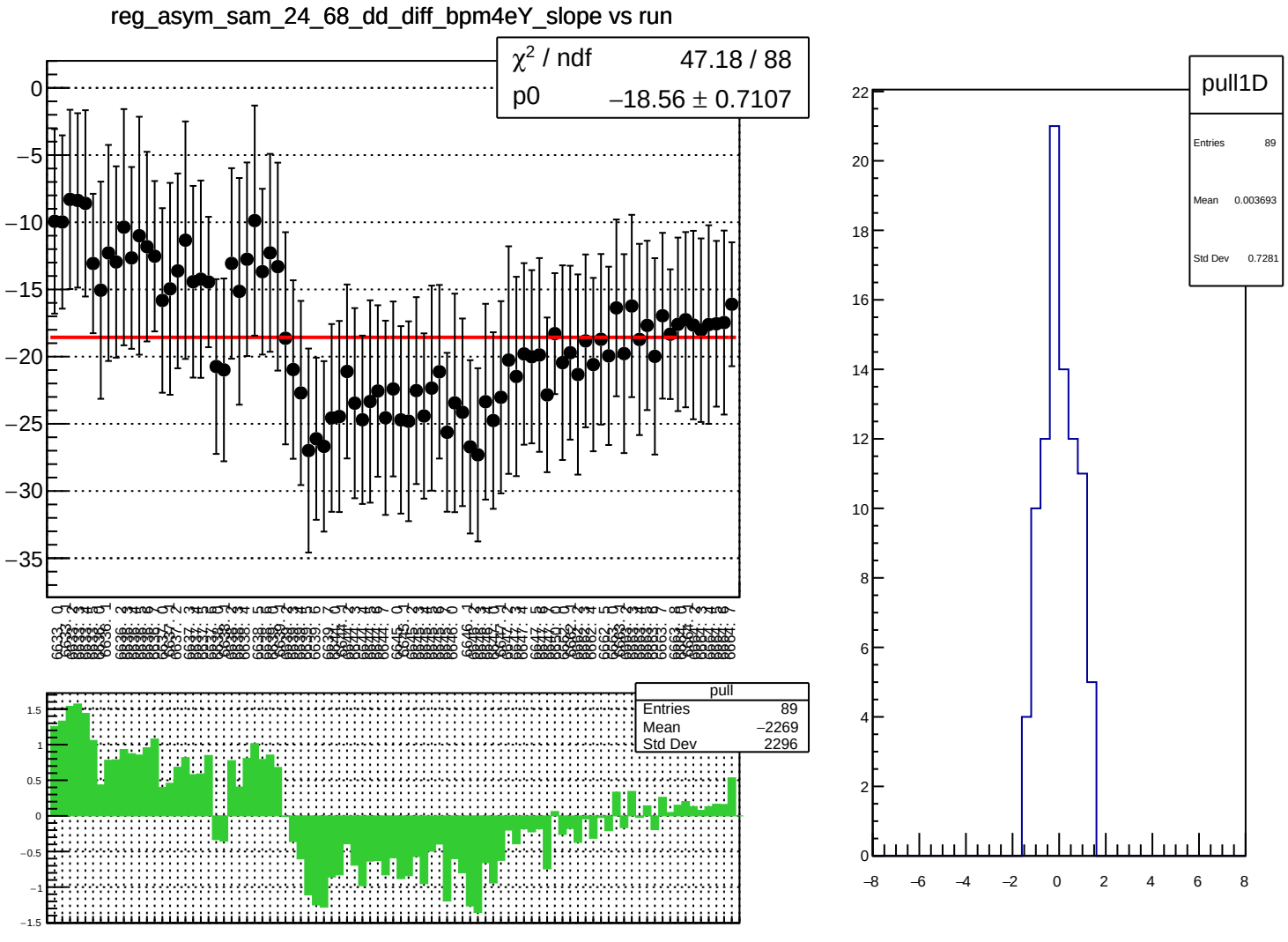

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 140.9 / 88
p0 −35.06 ± 0.8415
pull
Entries 89
Mean 225.5
Std Dev 177.2

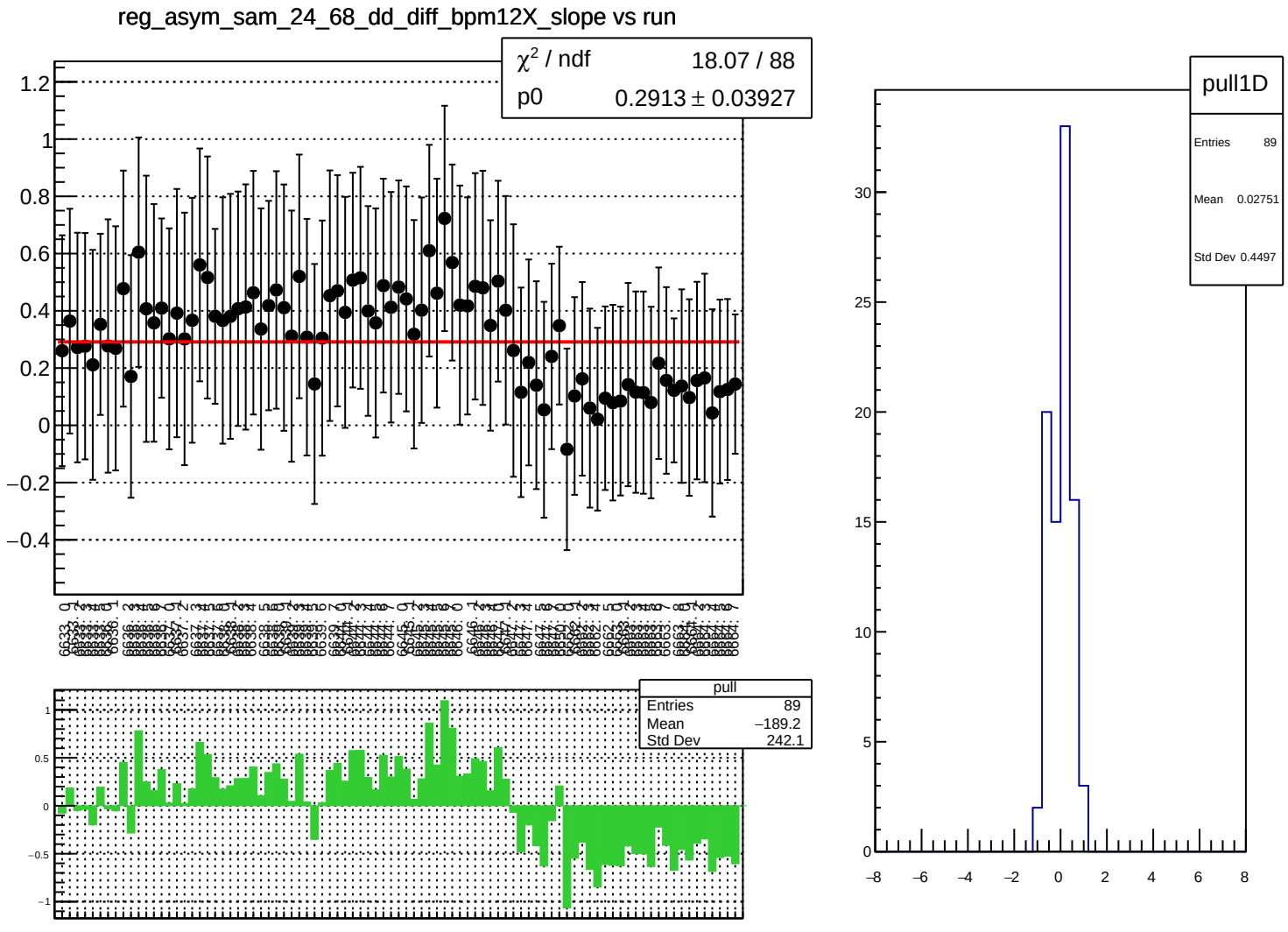

pull1D
Entries 89
Mean 0.06854
Std Dev 1.256

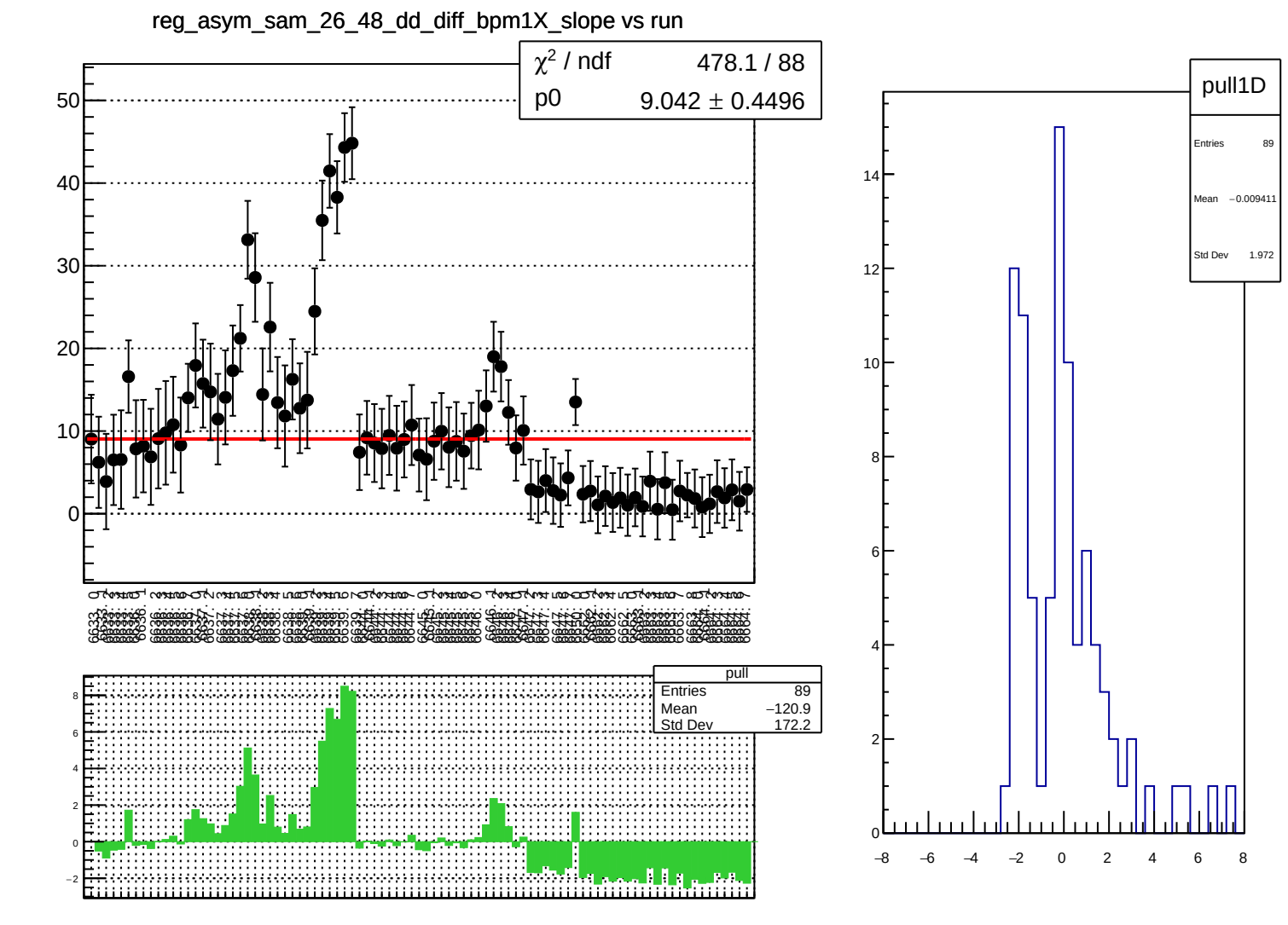

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.3 / 88
p0 −2.419 ± 0.5984
pull
Entries 89
Mean −1378
Std Dev 1433

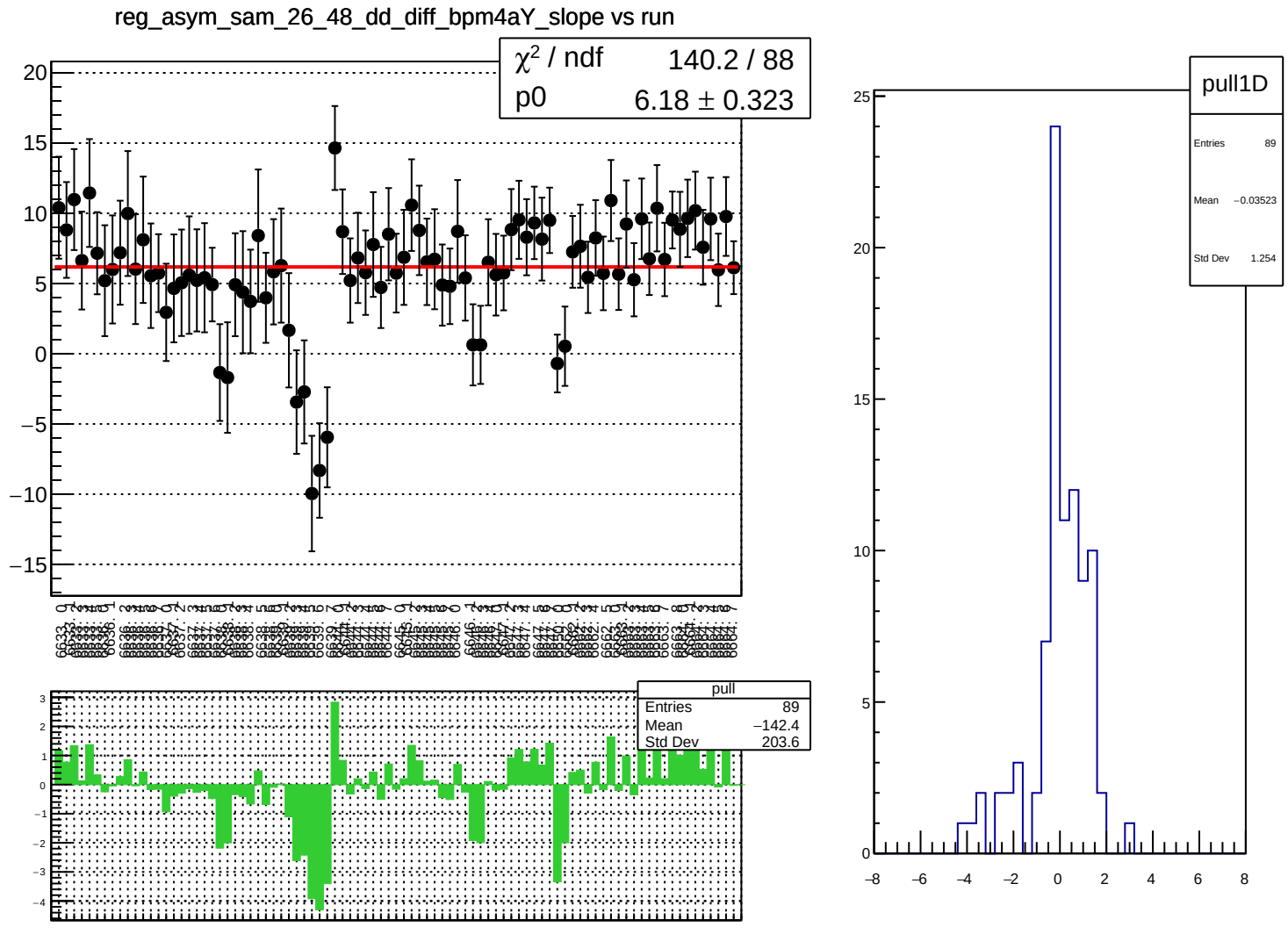

pull1D
Entries 89
Mean 0.005617
Std Dev 0.6645

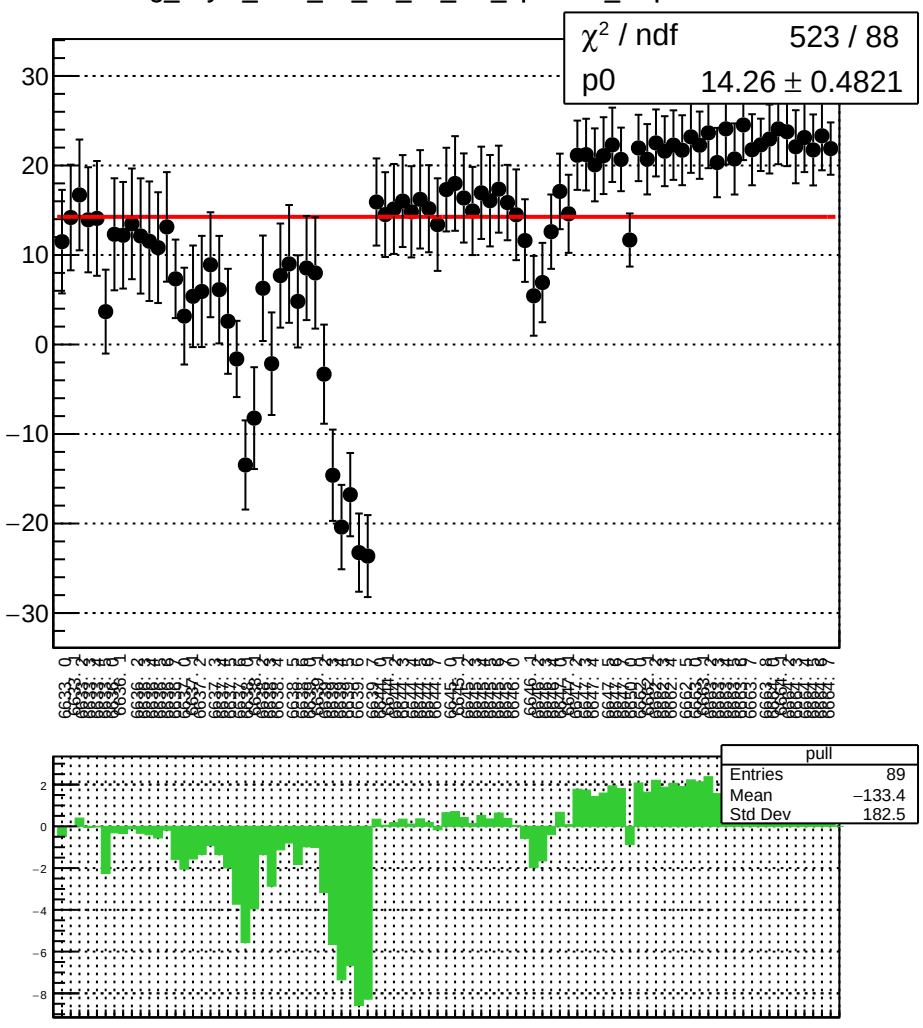

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.5 / 88
p0 −62.2 ± 0.9006
pull
Entries 89
Mean −32.23
Std Dev 65.29
pull1D
Entries 89
Mean −0.09326
Std Dev 0.8594

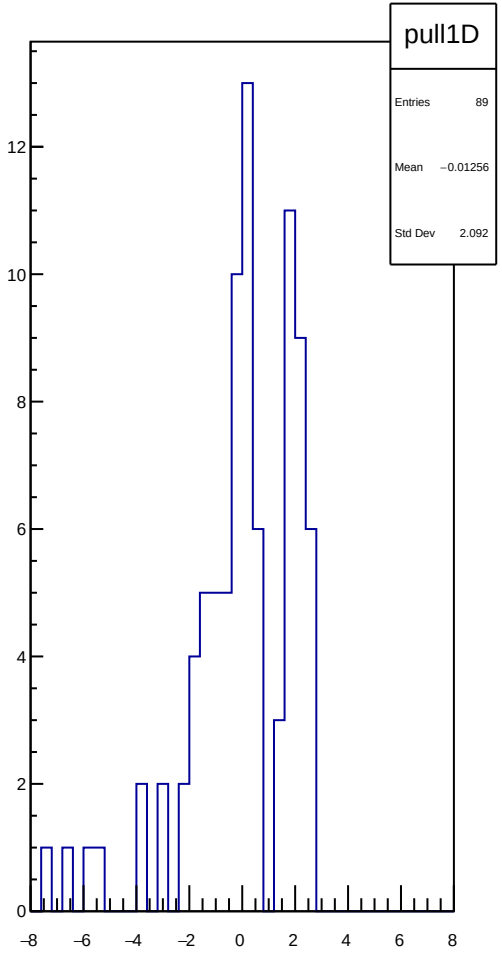

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.18 / 88
p0 −18.56 ± 0.7107
pull
Entries 89
Mean −2269
Std Dev 2296
pull1D
Entries 89
Mean 0.003693
Std Dev 0.7281

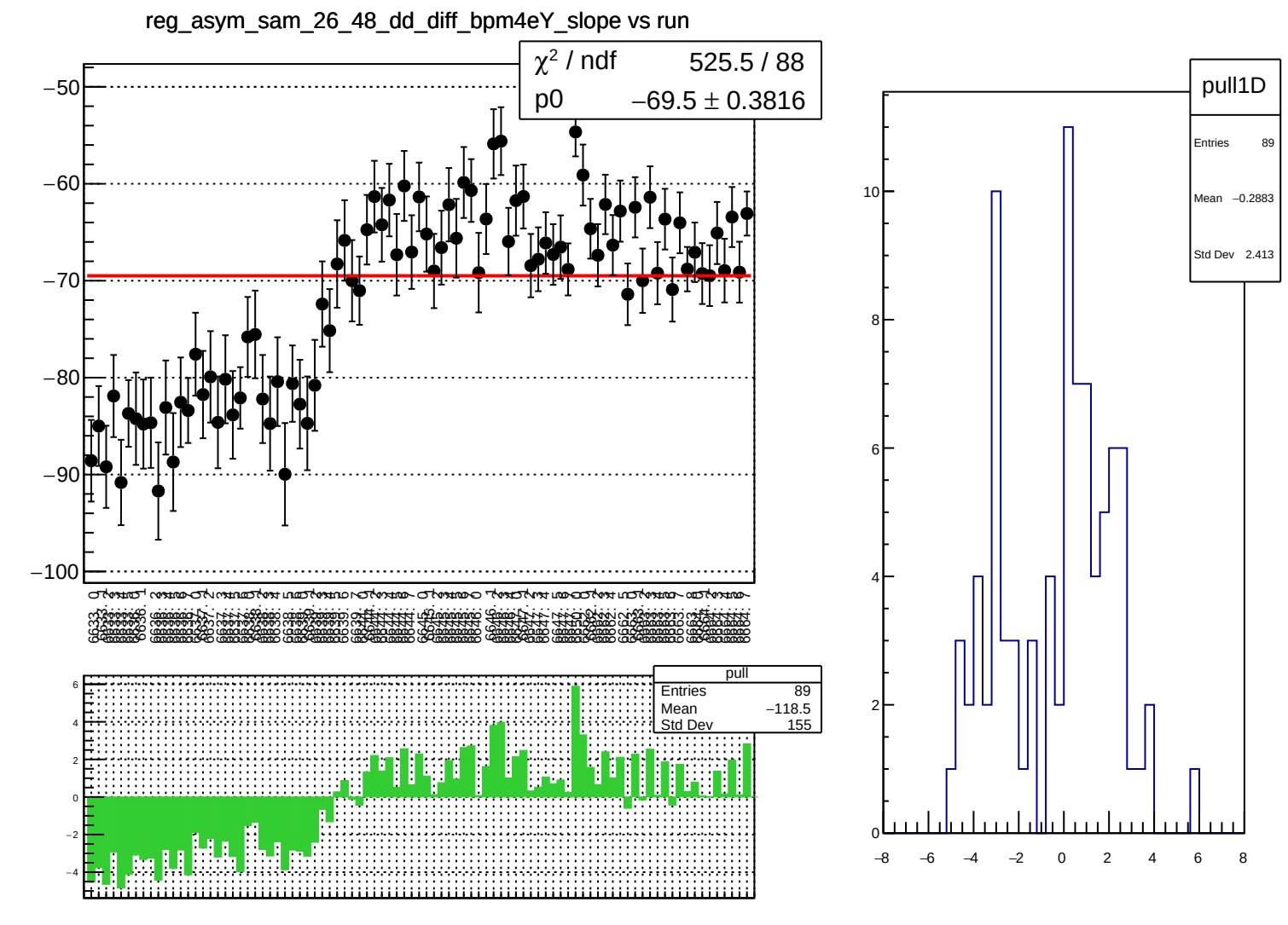

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 18.07 / 88
p0 0.2913 ± 0.03927
pull
Entries 89
Mean −189.2
Std Dev 242.1
pull1D
Entries 89
Mean 0.02751
Std Dev 0.4497

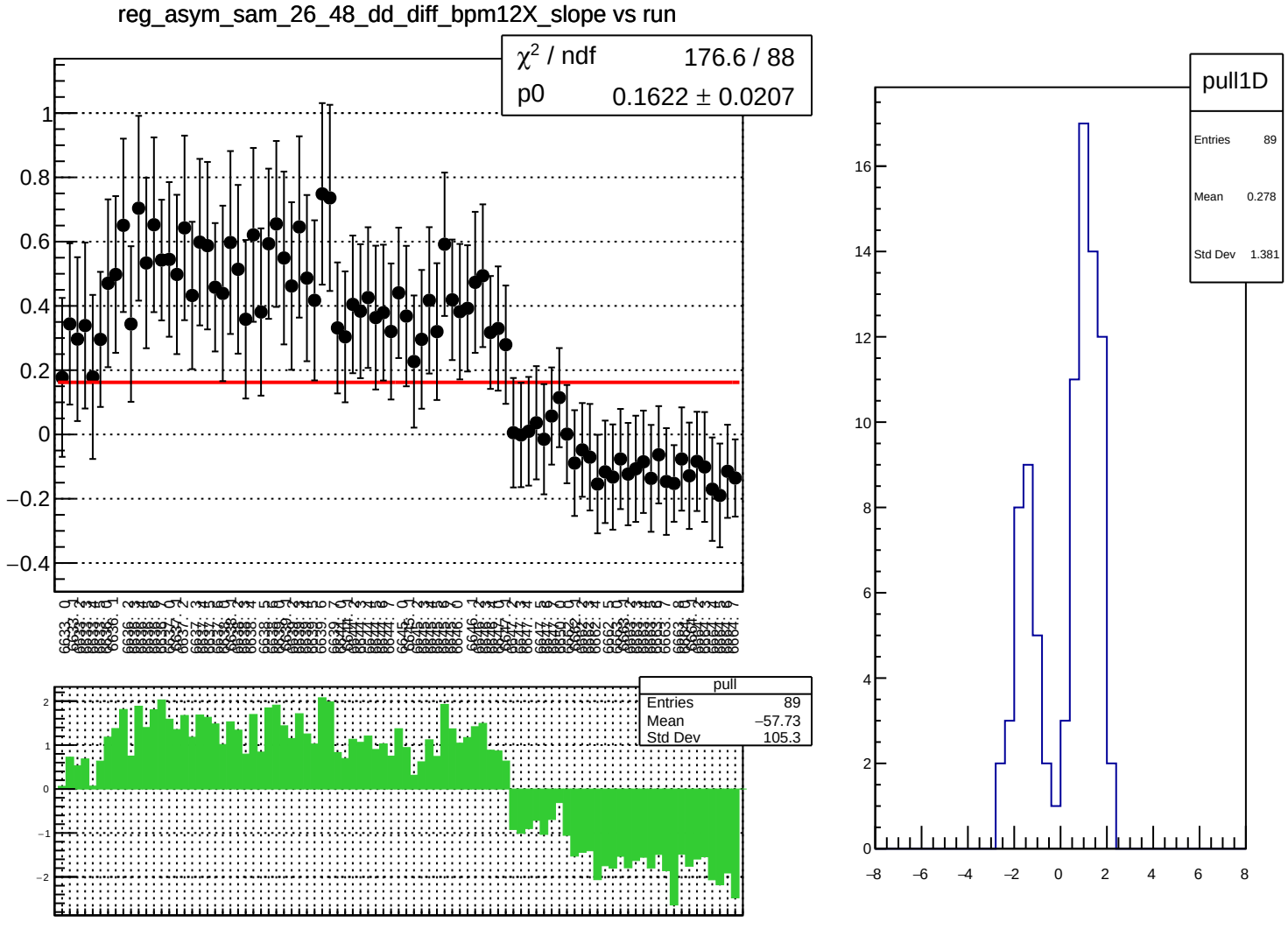

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 478.1 / 88
p0 9.042 ± 0.4496
pull
Entries 89
Mean −120.9
Std Dev 172.2
pull1D
Entries 89
Mean −0.009411
Std Dev 1.972

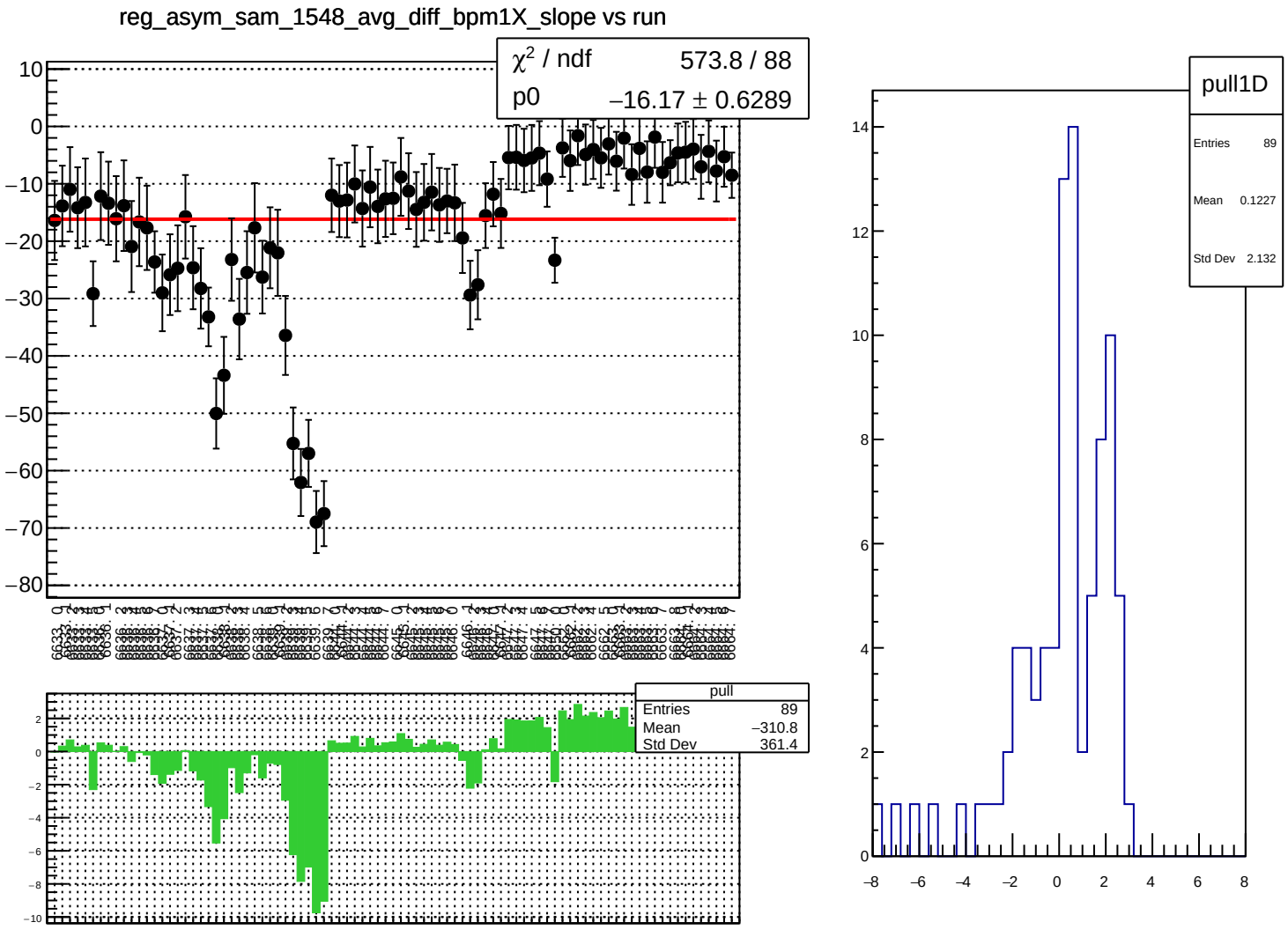

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 140.2 / 88
p0 6.18 ± 0.323
pull
Entries 89
Mean −142.4
Std Dev 203.6
pull1D
Entries 89
Mean −0.03523
Std Dev 1.254

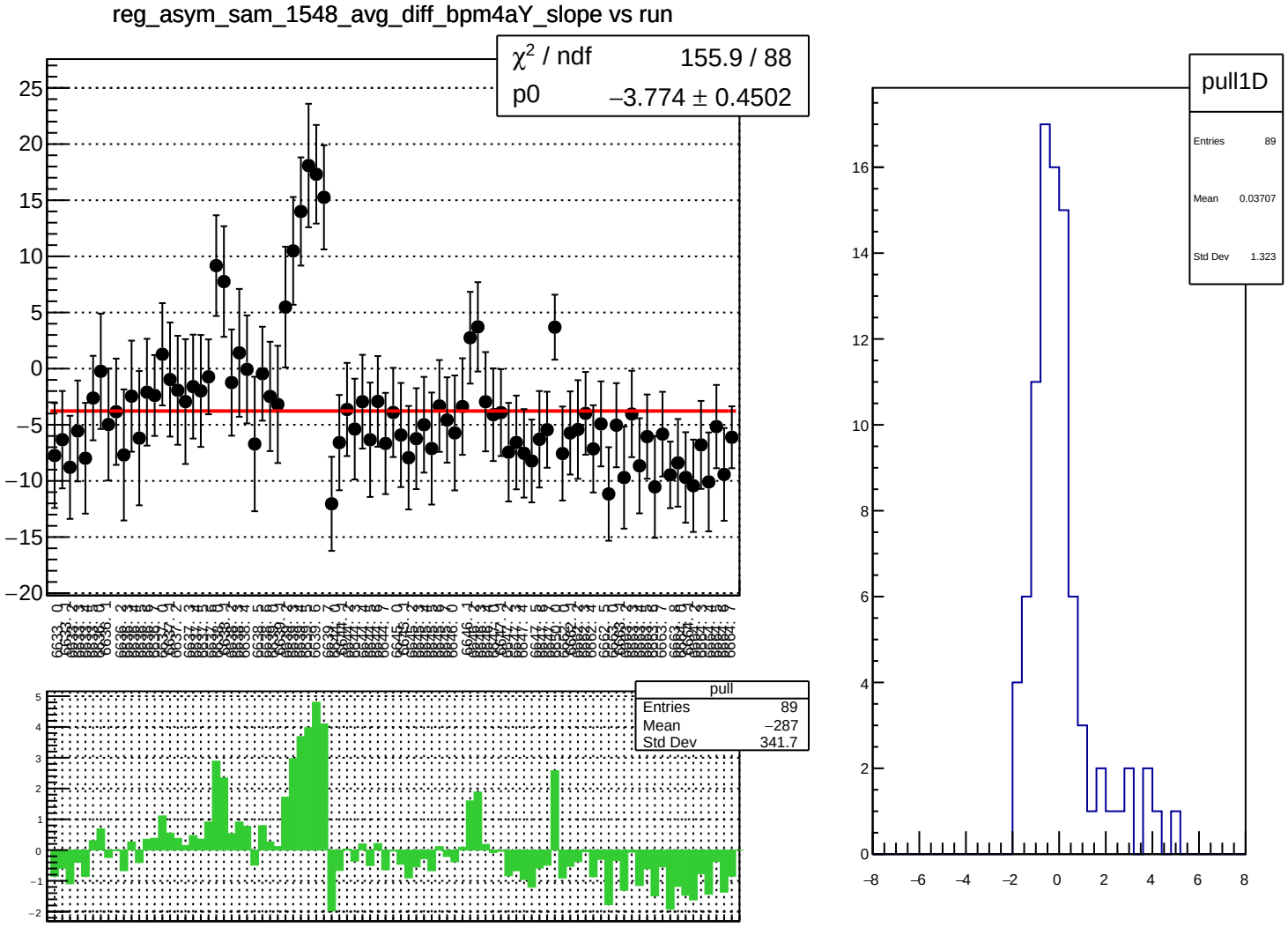

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 523 / 88
p0 14.26 ± 0.4821
pull
Entries 89
Mean −133.4
Std Dev 182.5

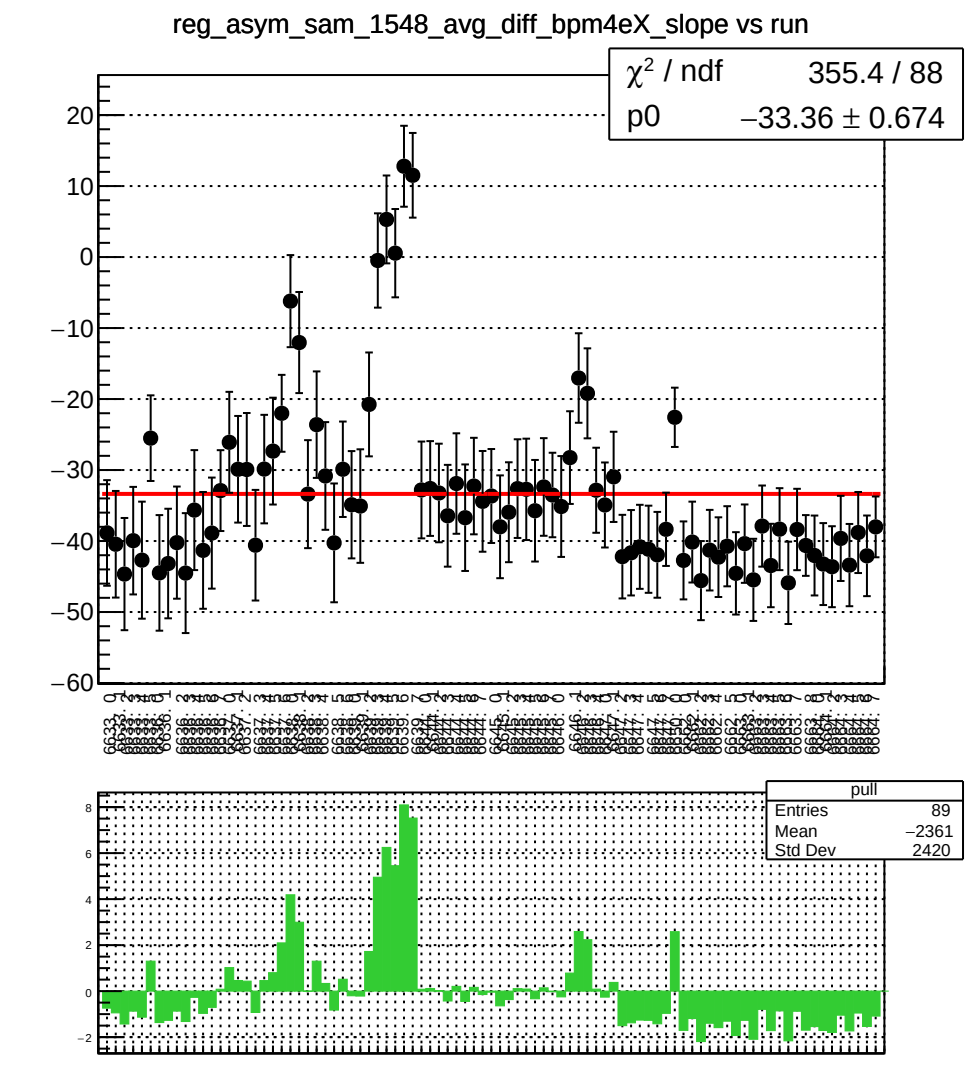

pull1D
Entries 89
Mean −0.01256
Std Dev 2.092

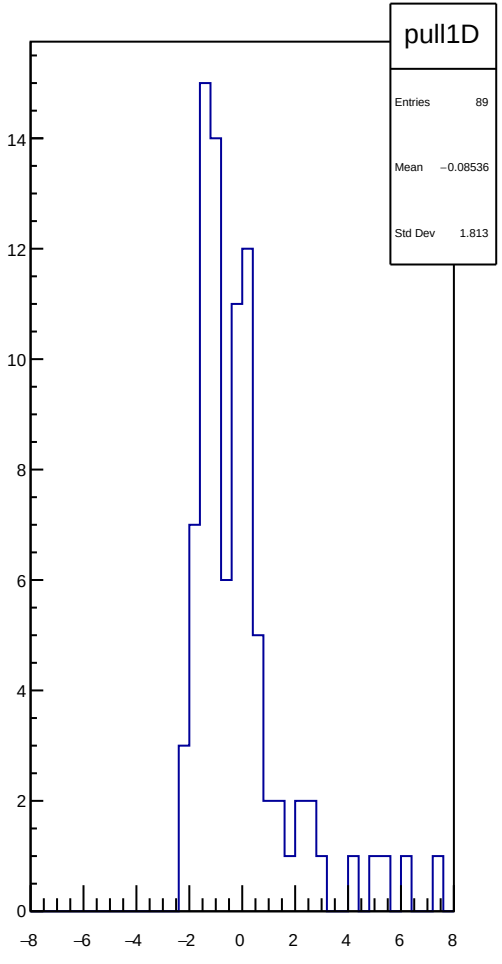

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 525.5 / 88
p0 −69.5 ± 0.3816
−50
−60
−70
−80
−90
−100
pull
Entries 89
Mean −118.5
Std Dev 155
6
4
2
0
−2
−4
pull1D
Entries 89
Mean −0.2883
Std Dev 2.413
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

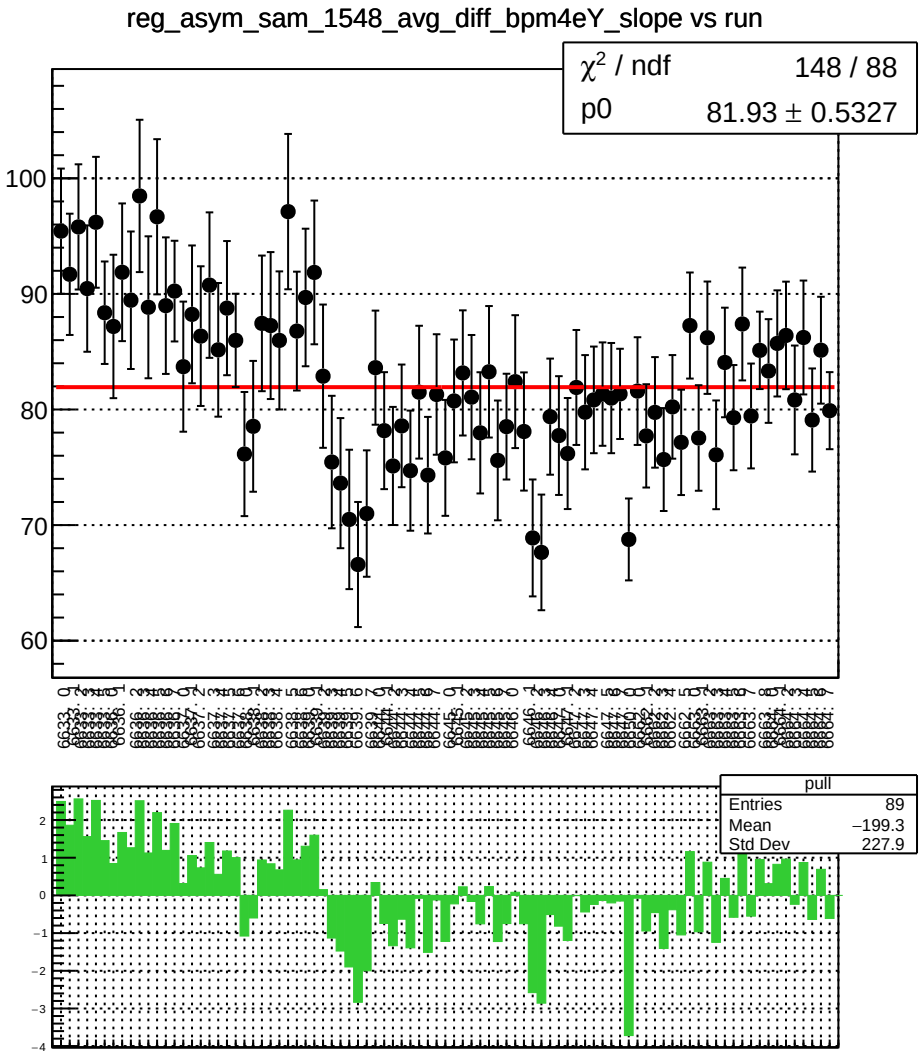

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 176.6 / 88
p0 0.1622 ± 0.0207
pull
Entries 89
Mean −57.73
Std Dev 105.3
pull1D
Entries 89
Mean 0.278
Std Dev 1.381

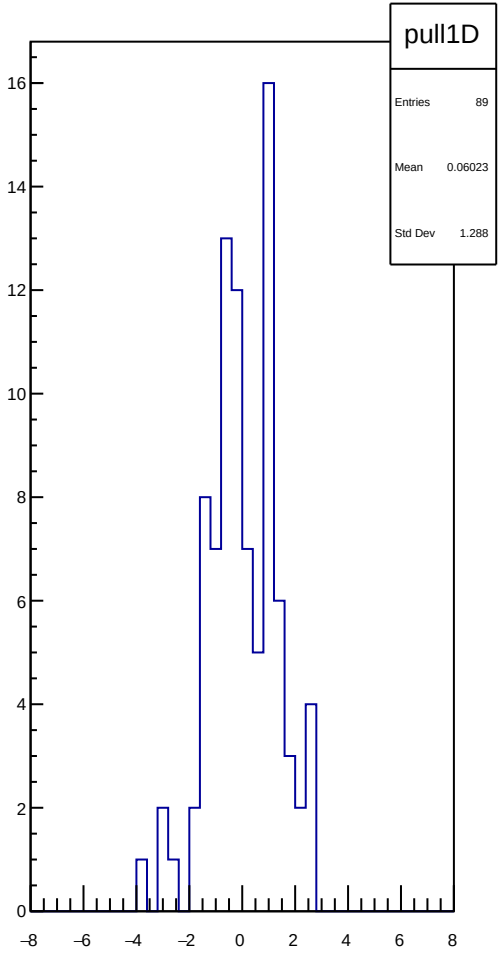

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 573.8 / 88
p0 −16.17 ± 0.6289
pull
Entries 89
Mean −310.8
Std Dev 361.4
pull1D
Entries 89
Mean 0.1227
Std Dev 2.132

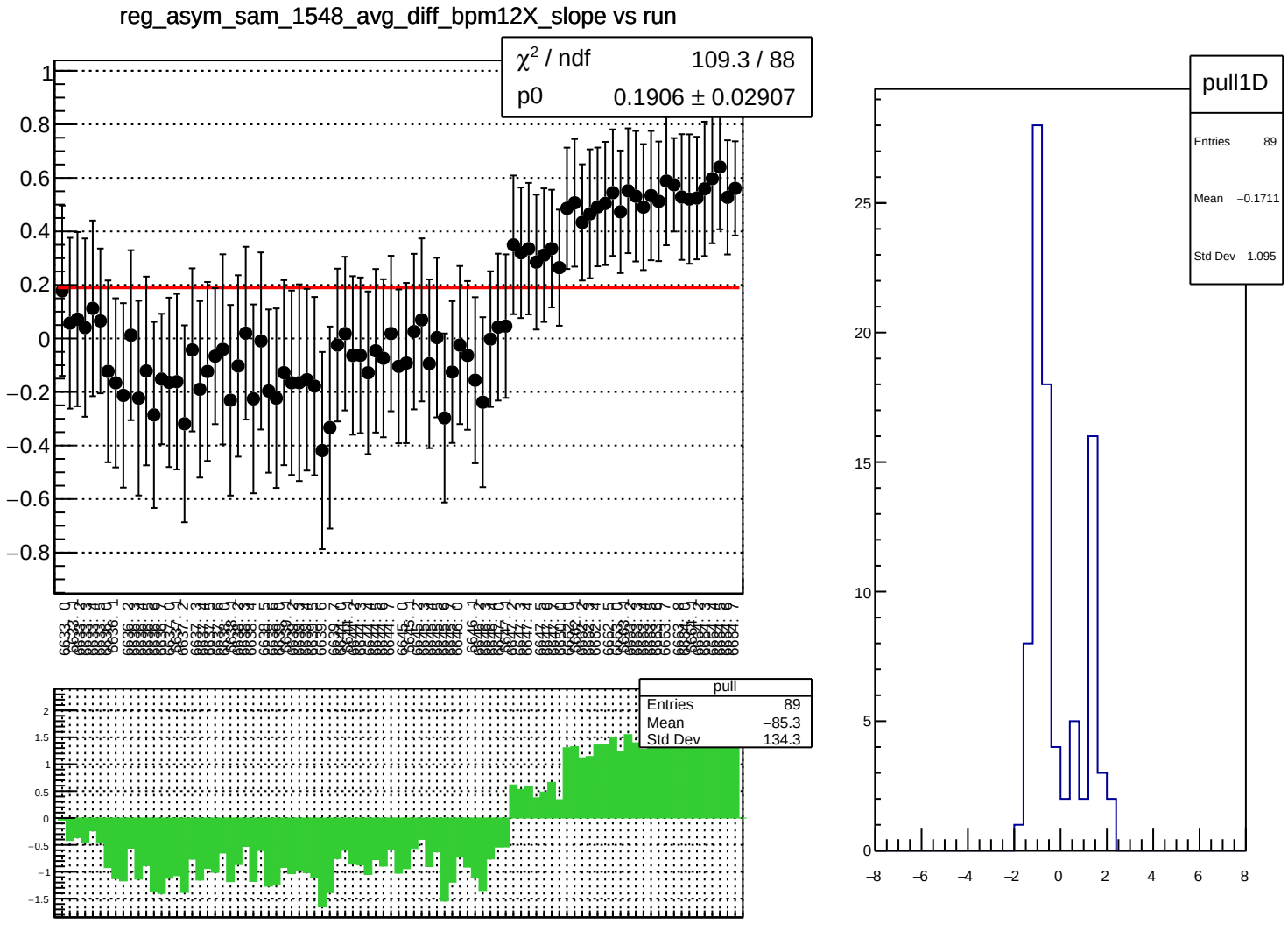

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 155.9 / 88
p0 −3.774 ± 0.4502
pull
Entries 89
Mean −287
Std Dev 341.7
pull1D
Entries 89
Mean 0.03707
Std Dev 1.323

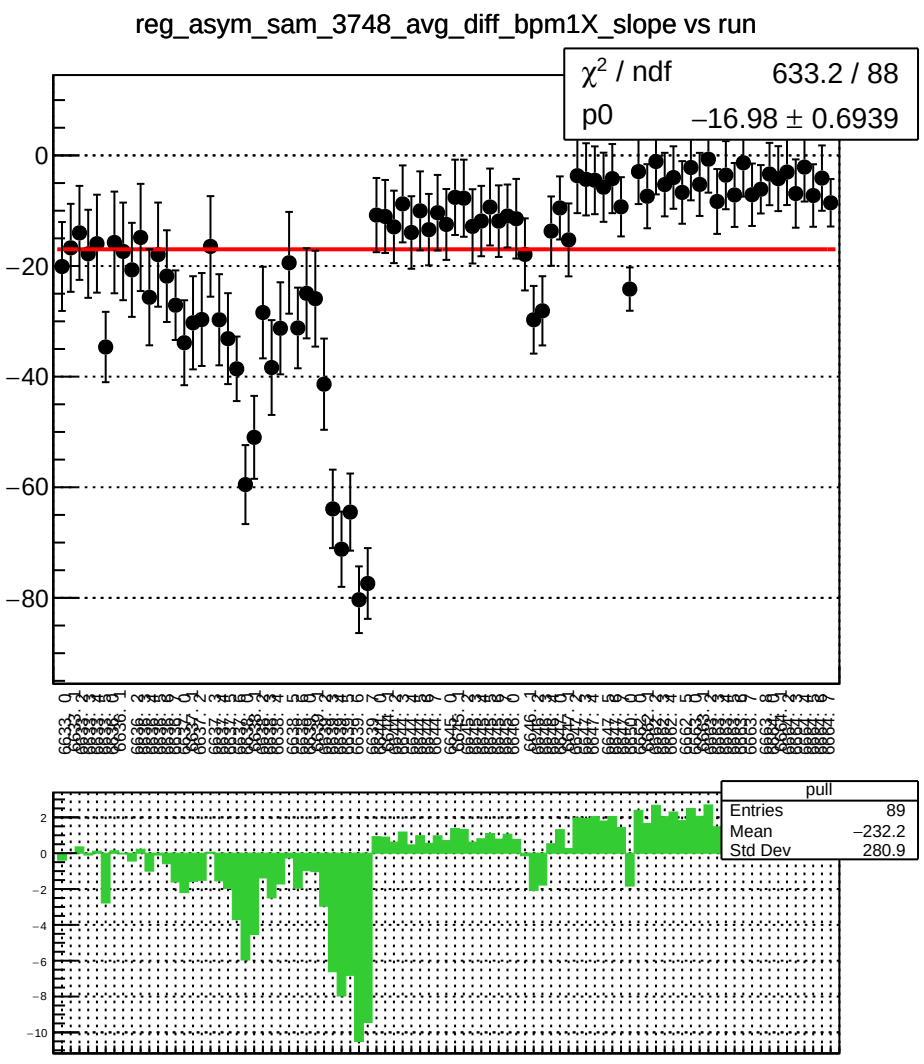

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 355.4 / 88
p0 −33.36 ± 0.674
pull
Entries 89
Mean −2361
Std Dev 2420

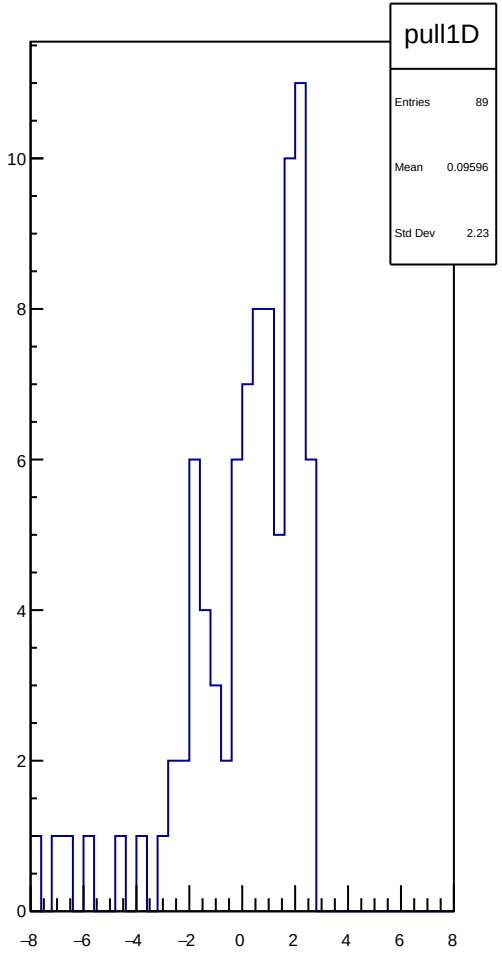

pull1D
Entries 89
Mean −0.08536
Std Dev 1.813

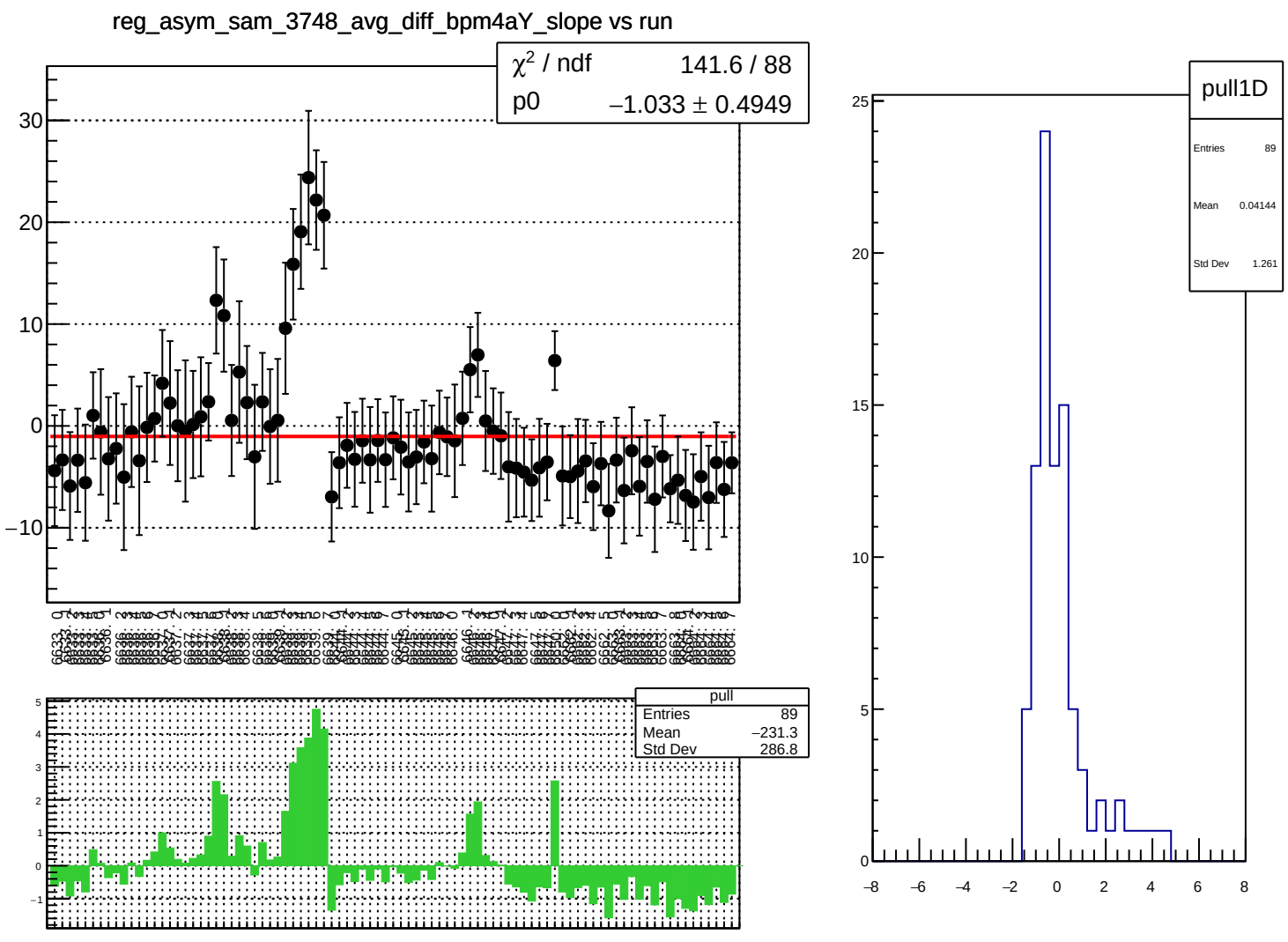

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 148 / 88
p0 81.93 ± 0.5327
pull
Entries 89
Mean −199.3
Std Dev 227.9

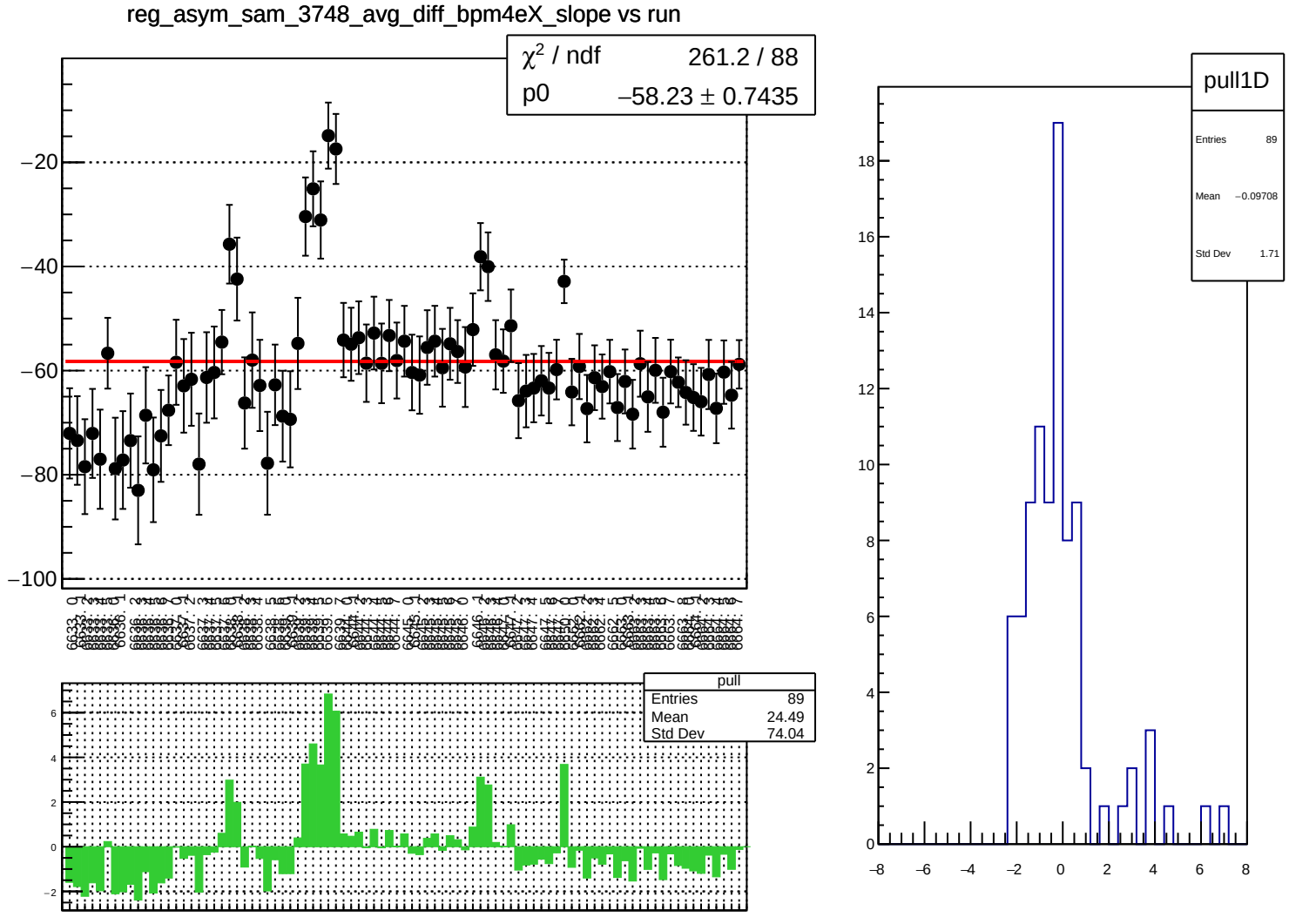

pull1D
Entries 89
Mean 0.06023
Std Dev 1.288

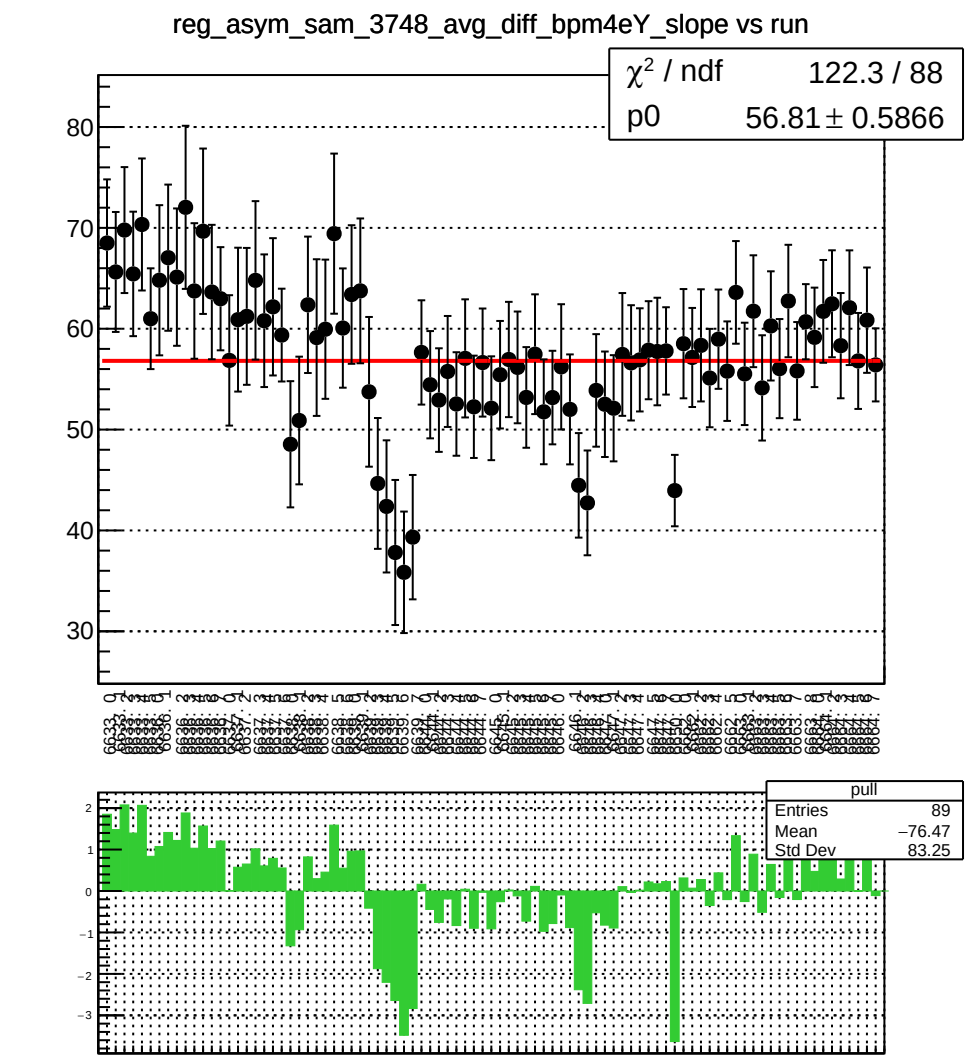

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 109.3 / 88
p0 0.1906 ± 0.02907
pull
Entries 89
Mean −85.3
Std Dev 134.3
pull1D
Entries 89
Mean −0.1711
Std Dev 1.095

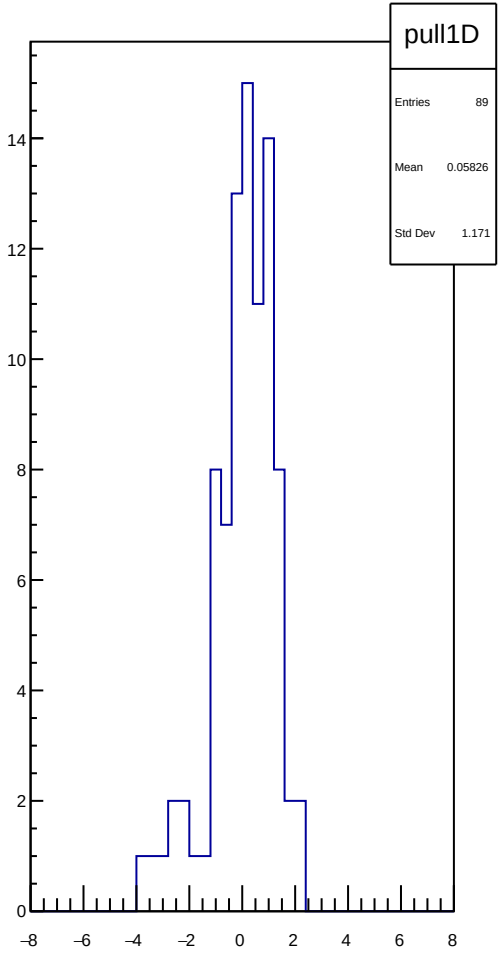

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 633.2 / 88
p0 −16.98 ± 0.6939
pull
Entries 89
Mean −232.2
Std Dev 280.9

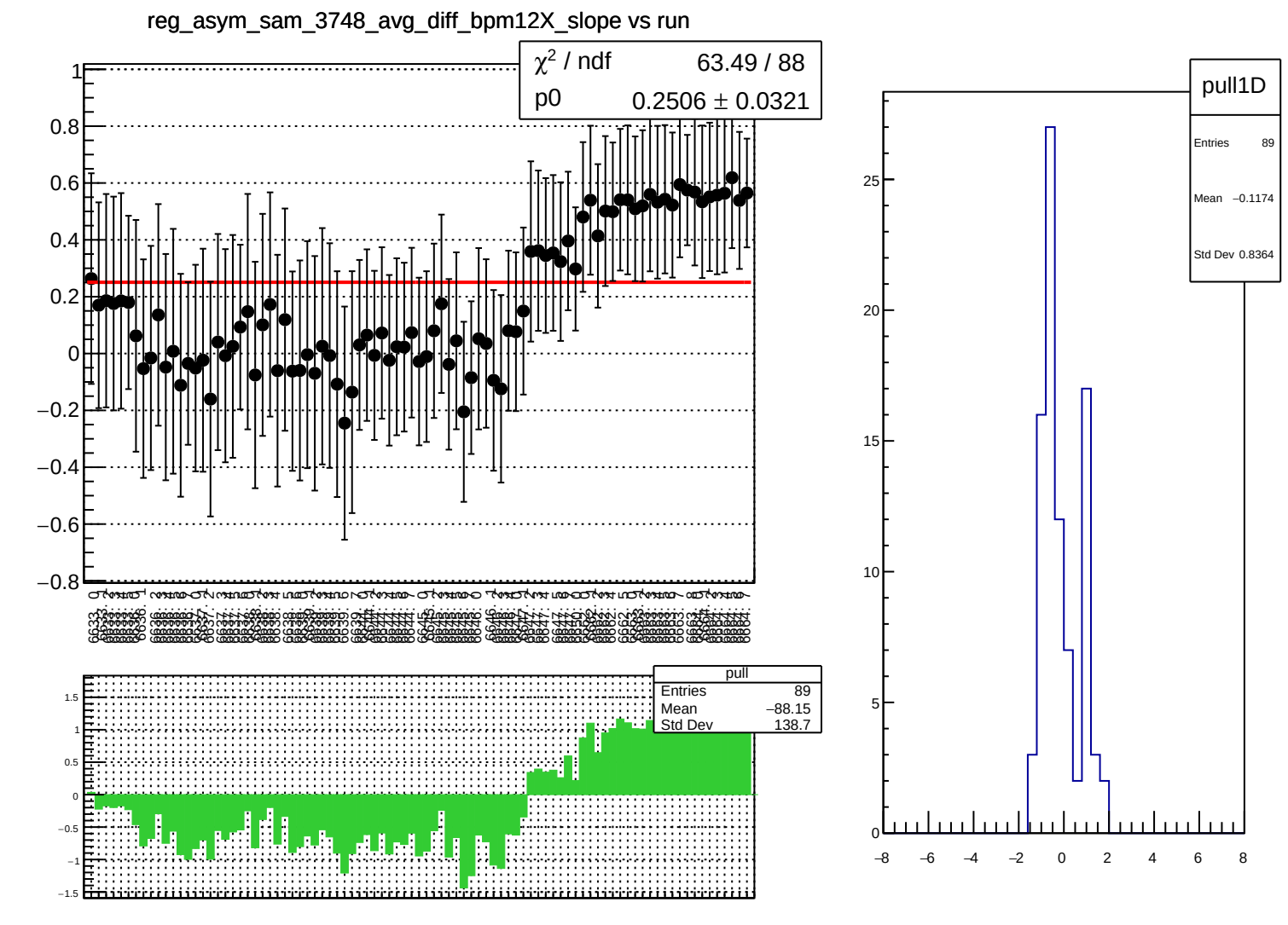

pull1D
Entries 89
Mean 0.09596
Std Dev 2.23

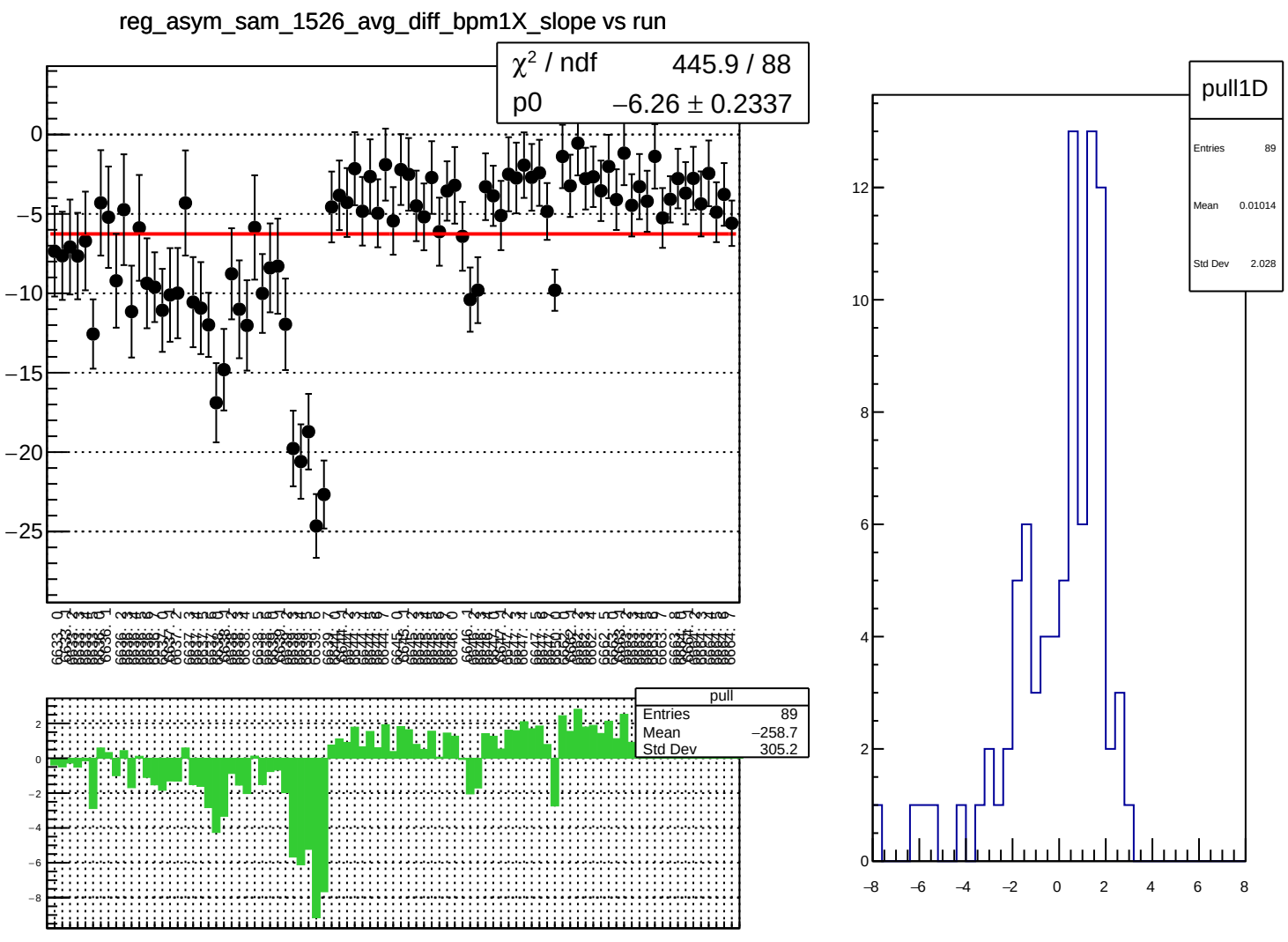

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 141.6 / 88
p0 −1.033 ± 0.4949
pull
Entries 89
Mean −231.3
Std Dev 286.8
pull1D
Entries 89
Mean 0.04144
Std Dev 1.261

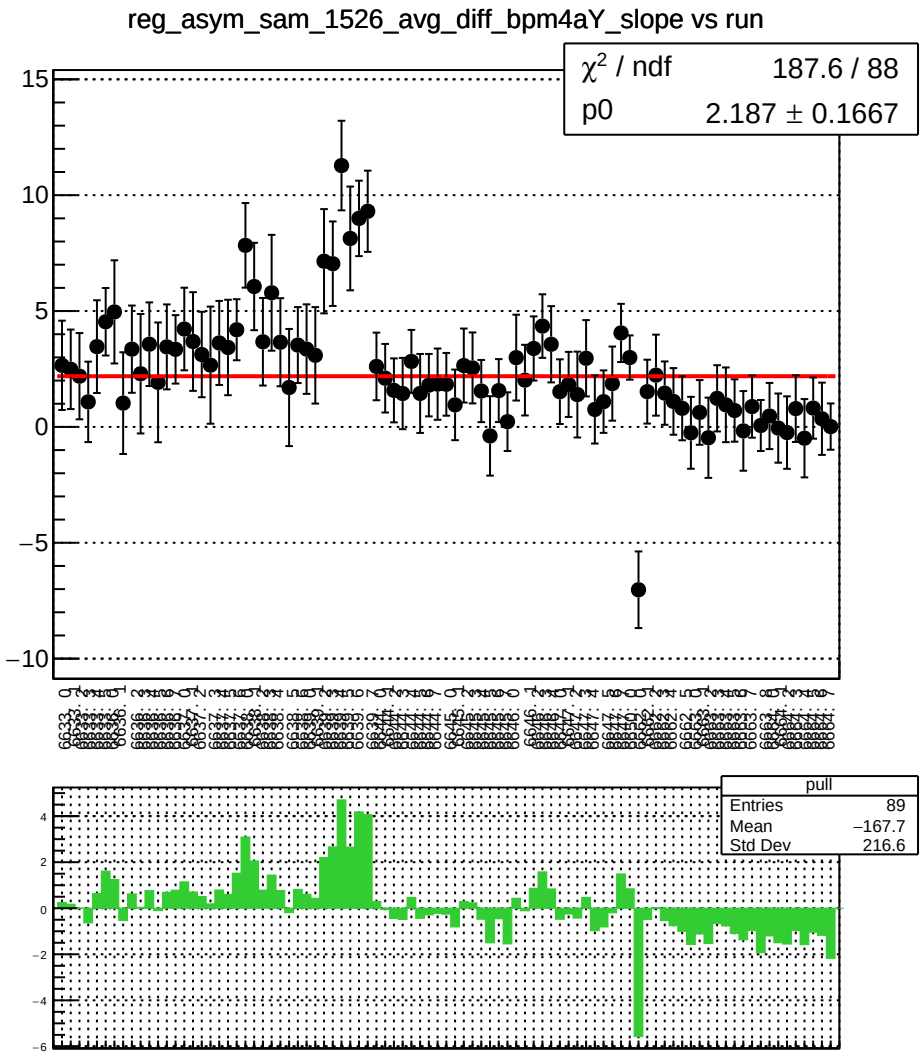

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 261.2 / 88
p0 −58.23 ± 0.7435
−20
−40
−60
−80
−100
pull
Entries 89
Mean 24.49
Std Dev 74.04
6
4
2
0
−2
pull1D
Entries 89
Mean −0.09708
Std Dev 1.71
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

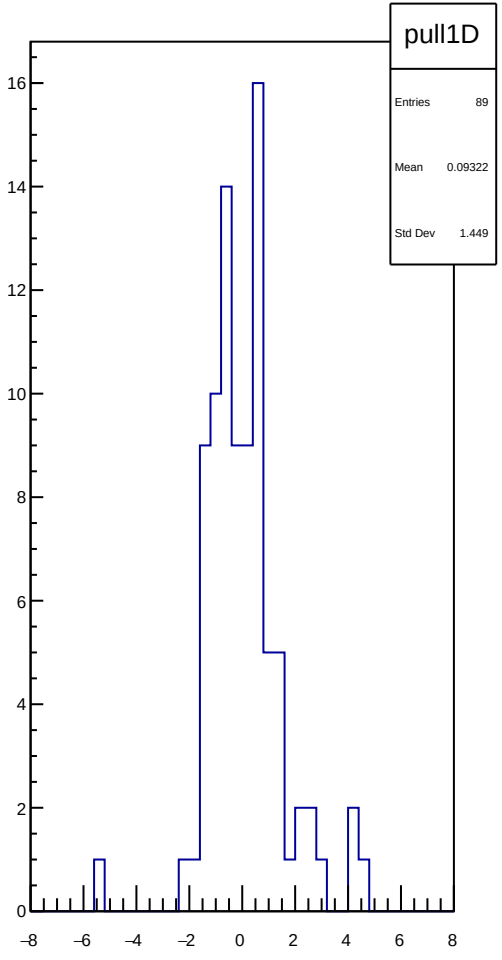

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 122.3 / 88
p0 56.81 ± 0.5866
pull
Entries 89
Mean −76.47
Std Dev 83.25

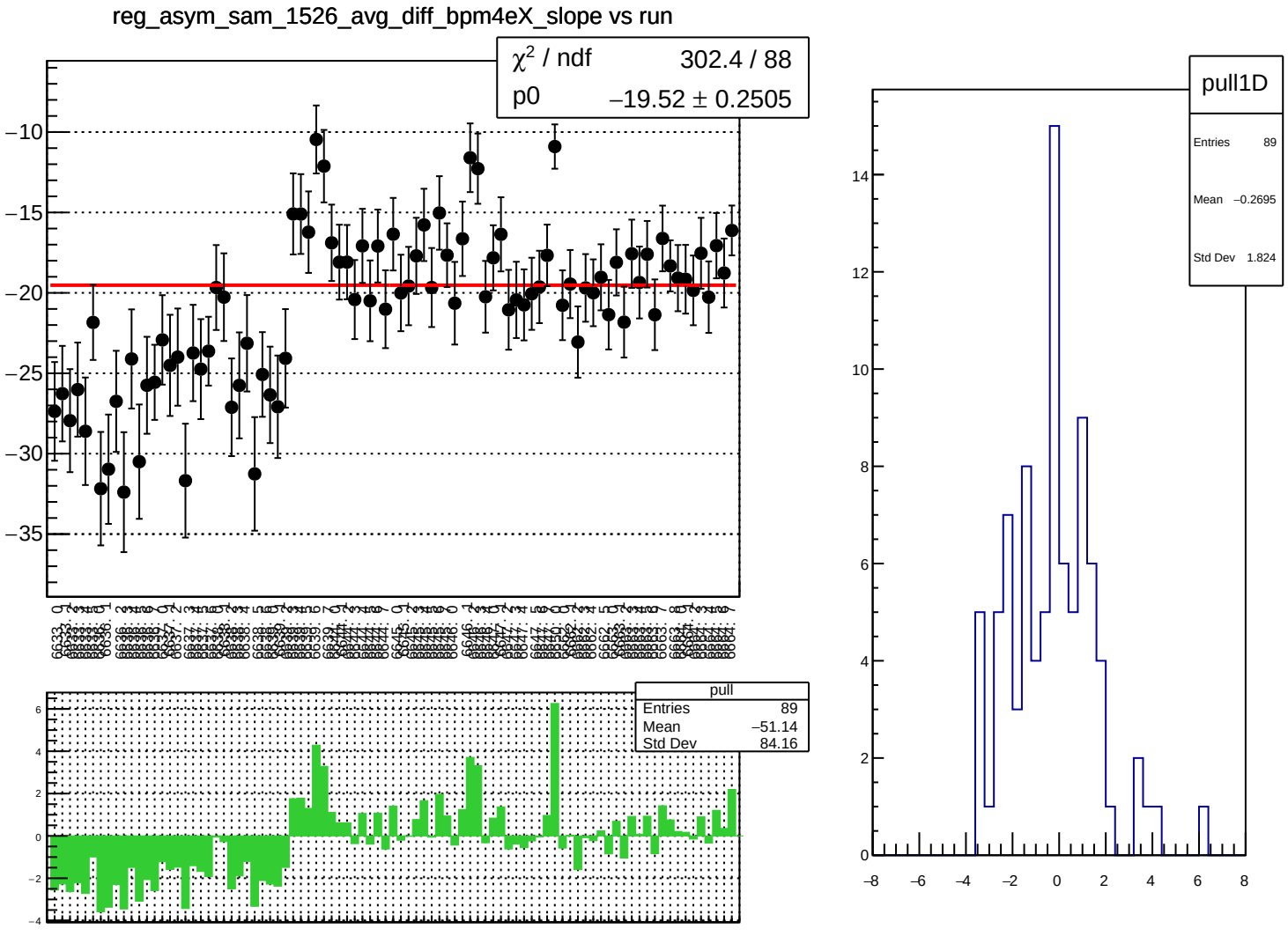

pull1D
Entries 89
Mean 0.05826
Std Dev 1.171

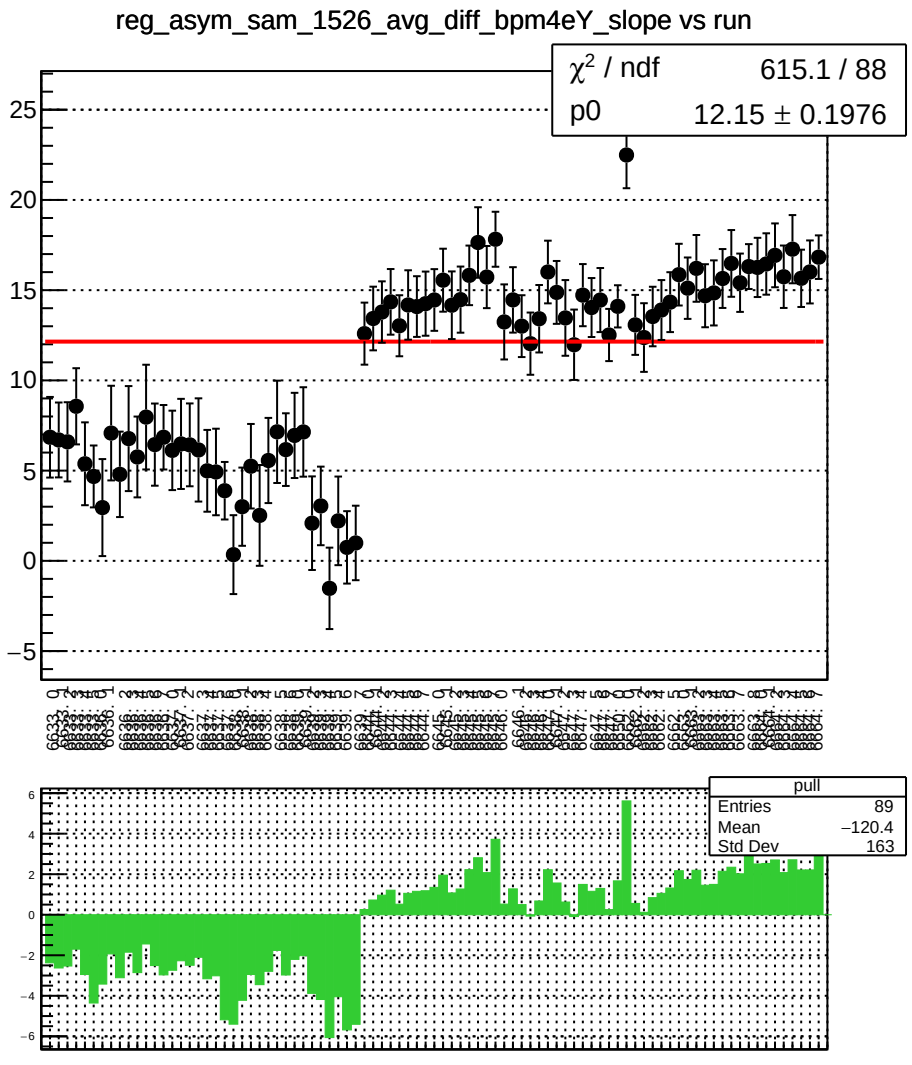

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 63.49 / 88
p0 0.2506 ± 0.0321
pull
Entries 89
Mean −88.15
Std Dev 138.7
pull1D
Entries 89
Mean −0.1174
Std Dev 0.8364

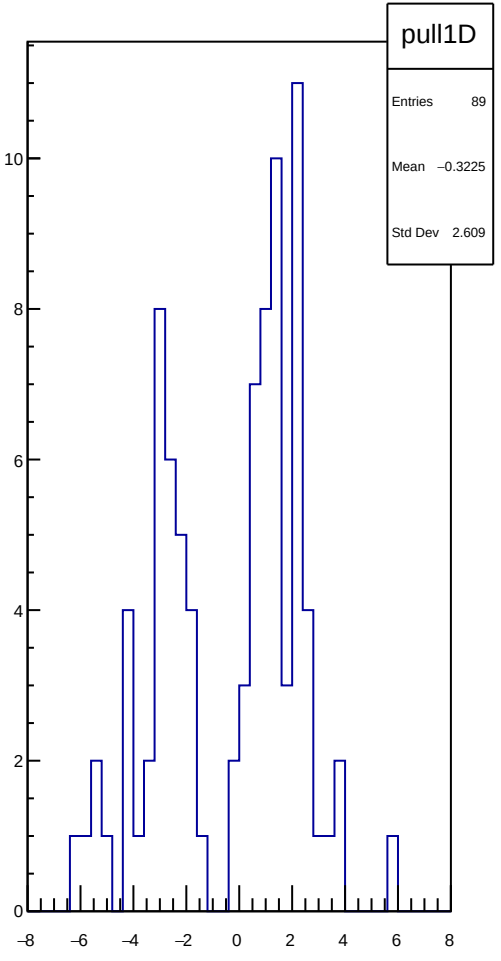

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 445.9 / 88
p0 −6.26 ± 0.2337
pull
Entries 89
Mean −258.7
Std Dev 305.2
pull1D
Entries 89
Mean 0.01014
Std Dev 2.028

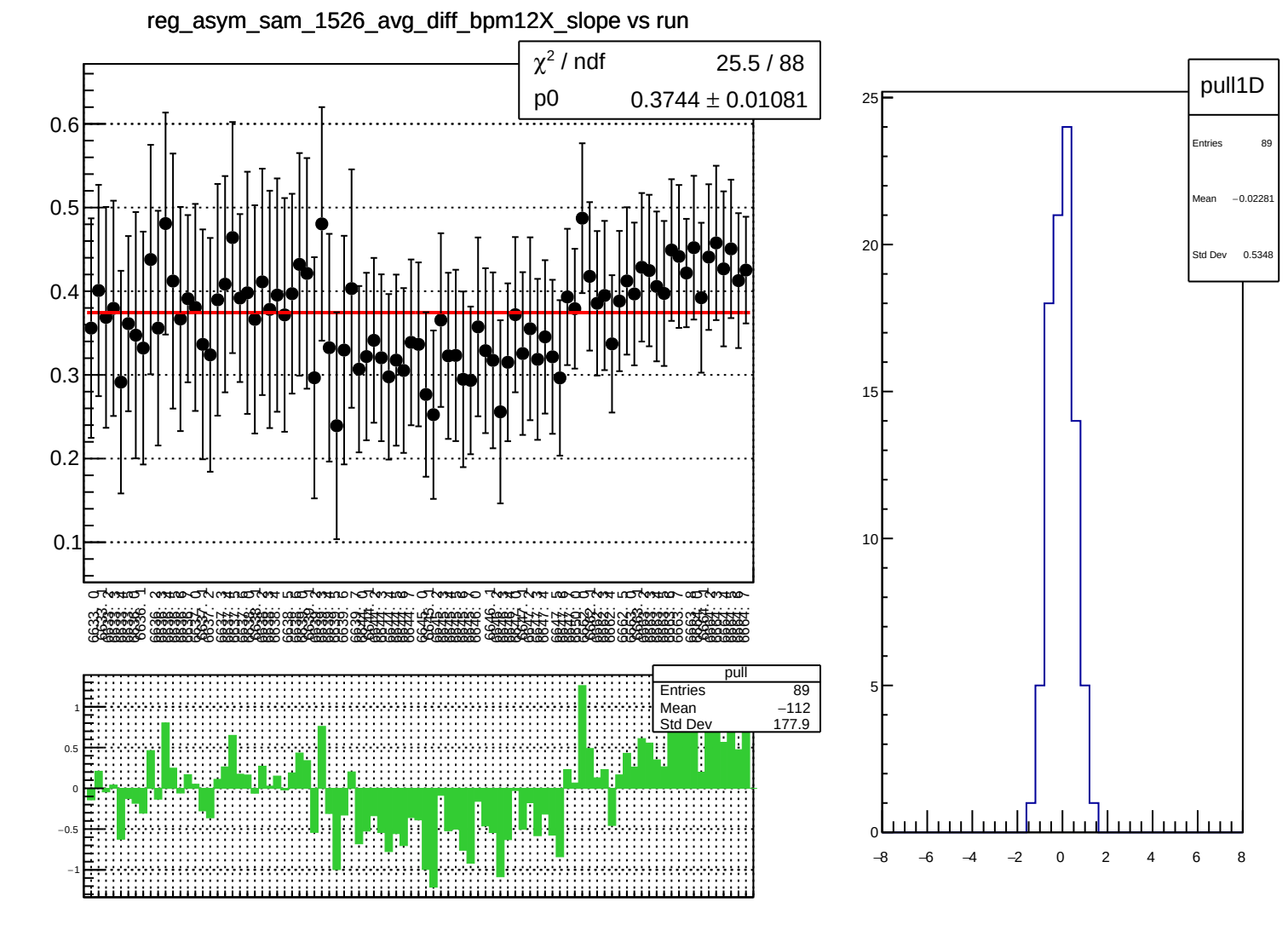

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 187.6 / 88
p0 2.187 ± 0.1667
pull
Entries 89
Mean −167.7
Std Dev 216.6

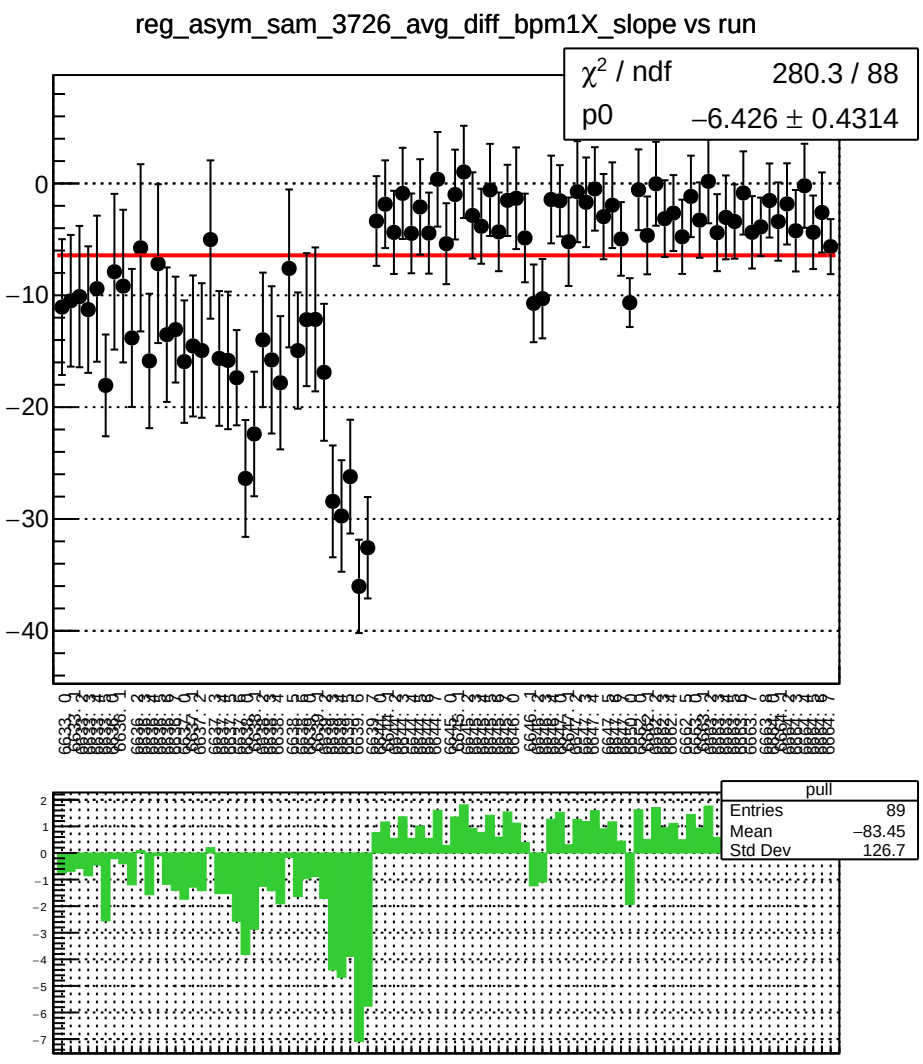

pull1D
Entries 89
Mean 0.09322
Std Dev 1.449

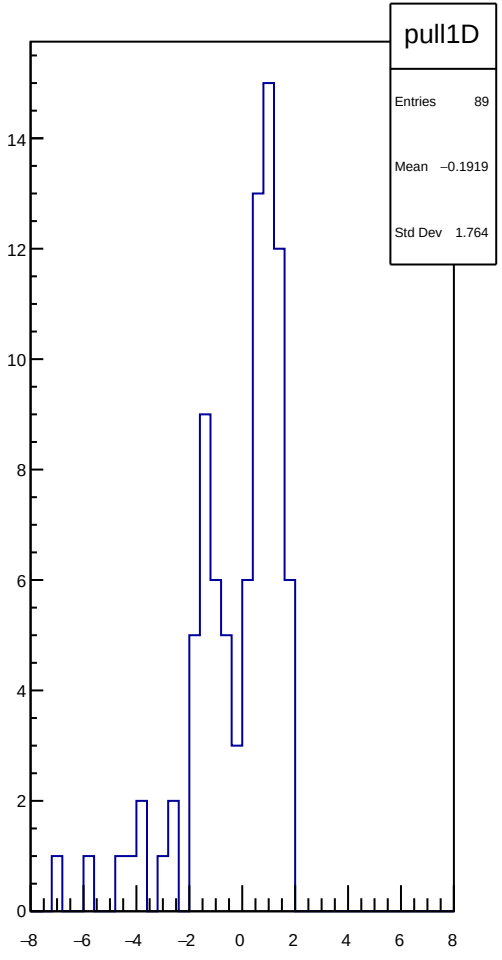

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 302.4 / 88
p0 −19.52 ± 0.2505
pull
Entries 89
Mean −51.14
Std Dev 84.16
pull1D
Entries 89
Mean −0.2695
Std Dev 1.824

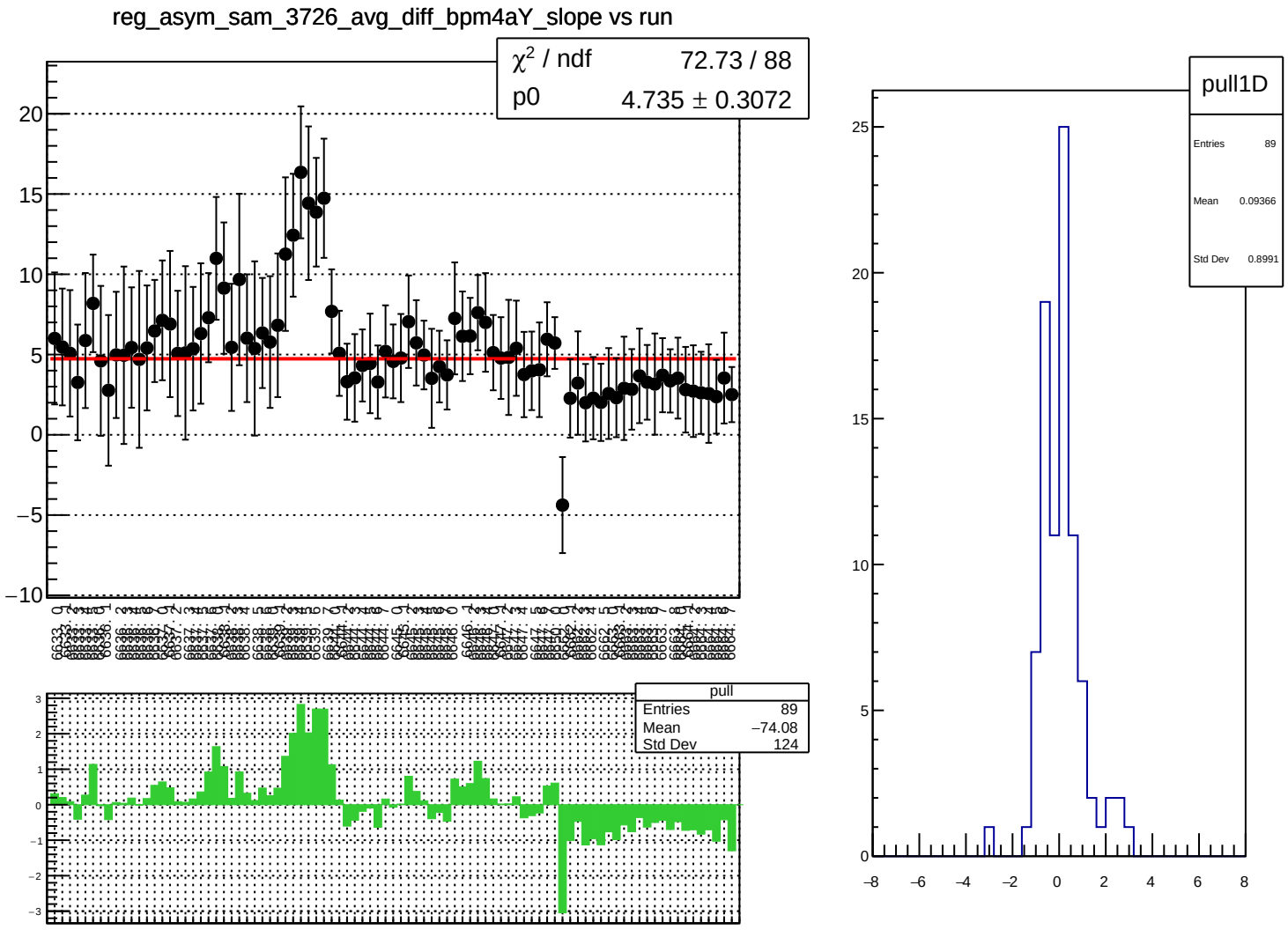

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 615.1 / 88
p0 12.15 ± 0.1976
pull
Entries 89
Mean −120.4
Std Dev 163

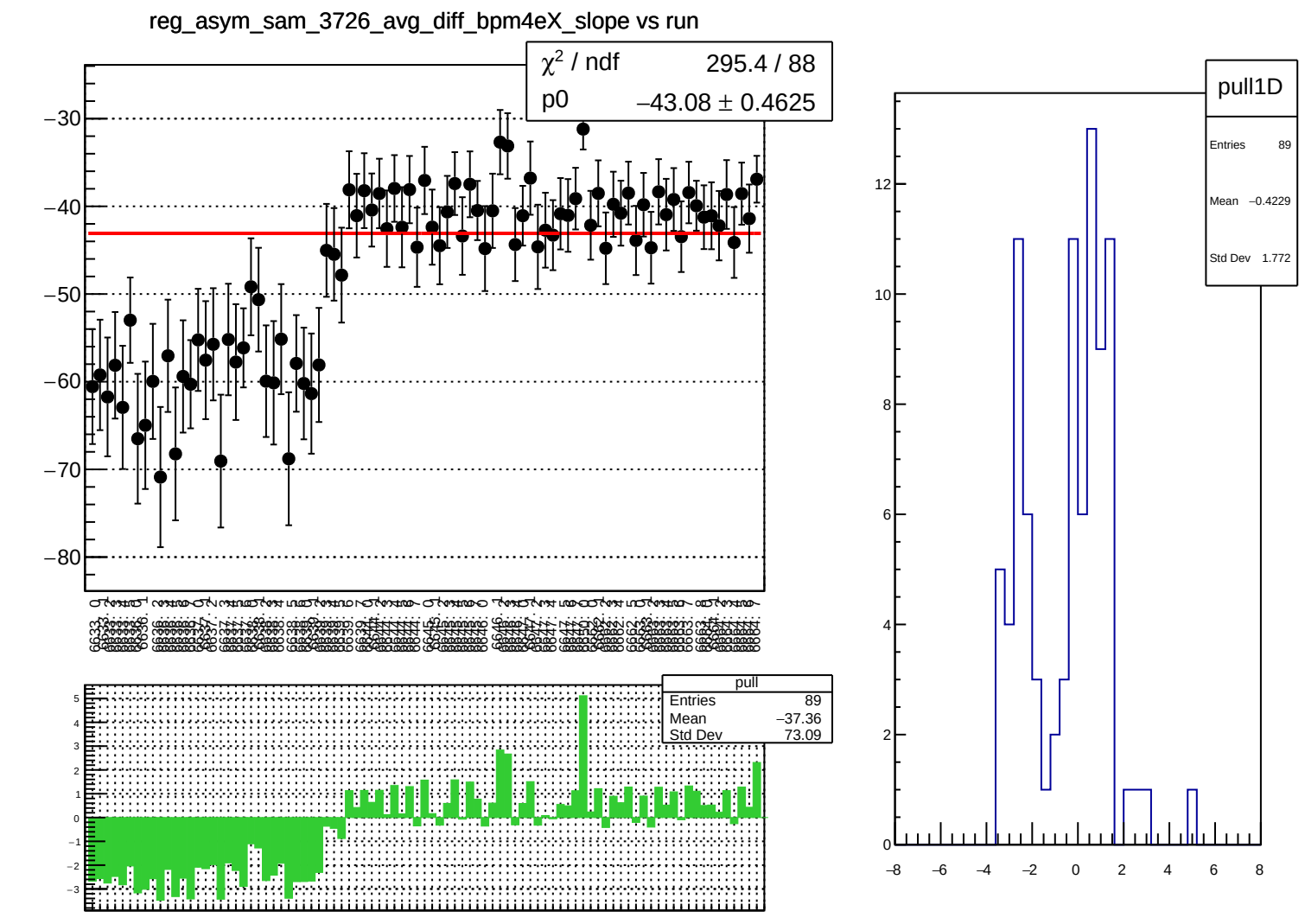

pull1D
Entries 89
Mean −0.3225
Std Dev 2.609

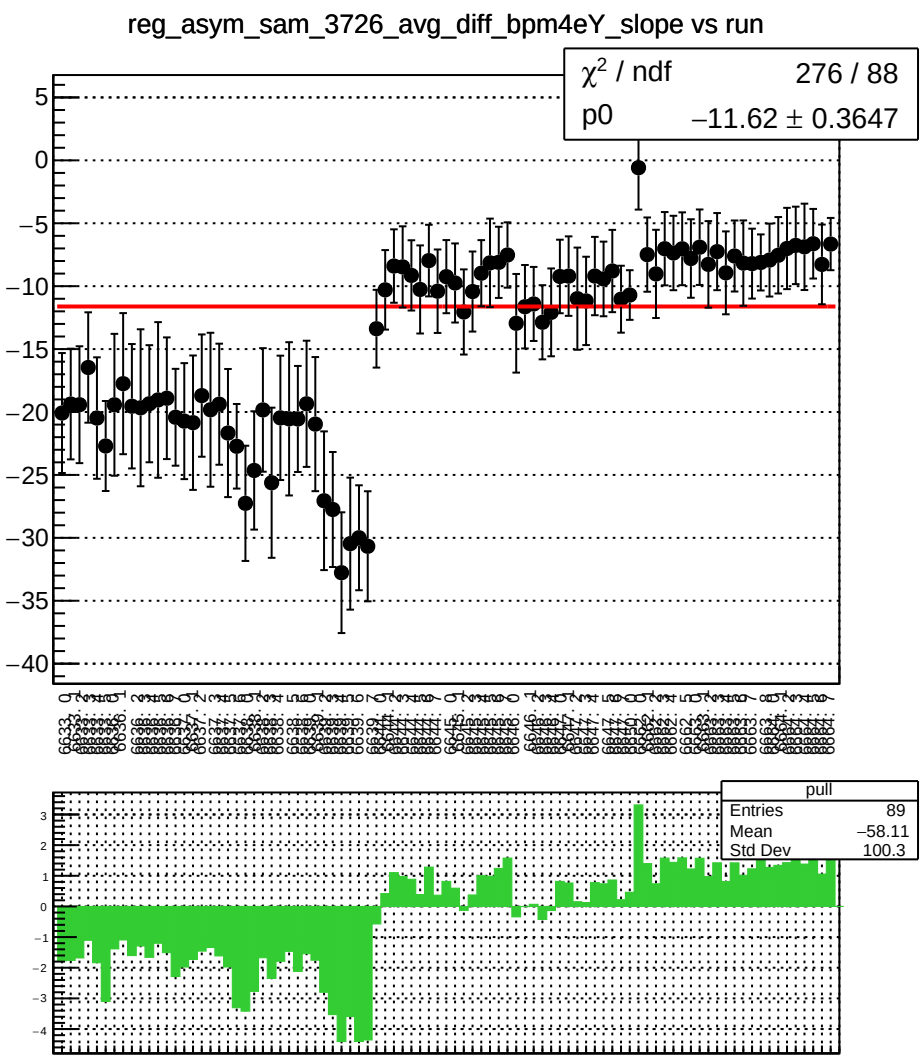

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 25.5 / 88
p0 0.3744 ± 0.01081
pull
Entries 89
Mean −112
Std Dev 177.9
pull1D
Entries 89
Mean −0.02281
Std Dev 0.5348

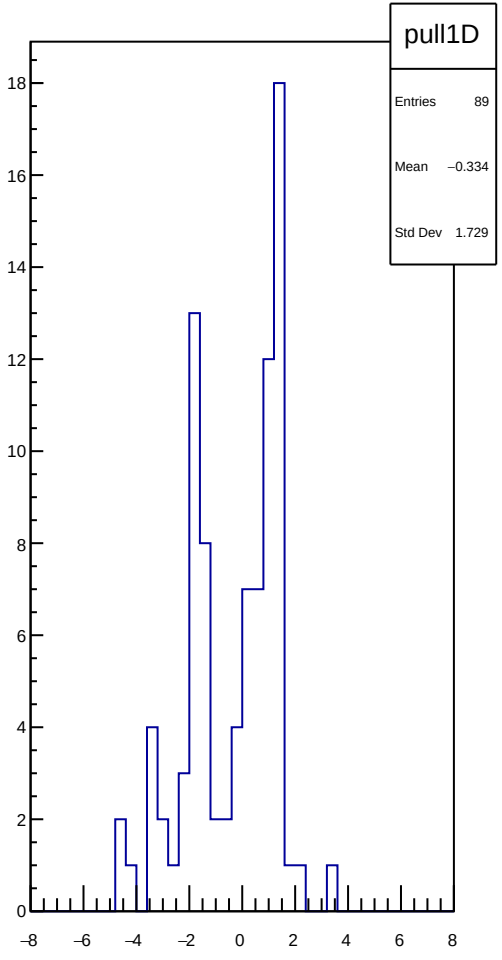

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 280.3 / 88
p0 −6.426 ± 0.4314
pull
Entries 89
Mean −83.45
Std Dev 126.7

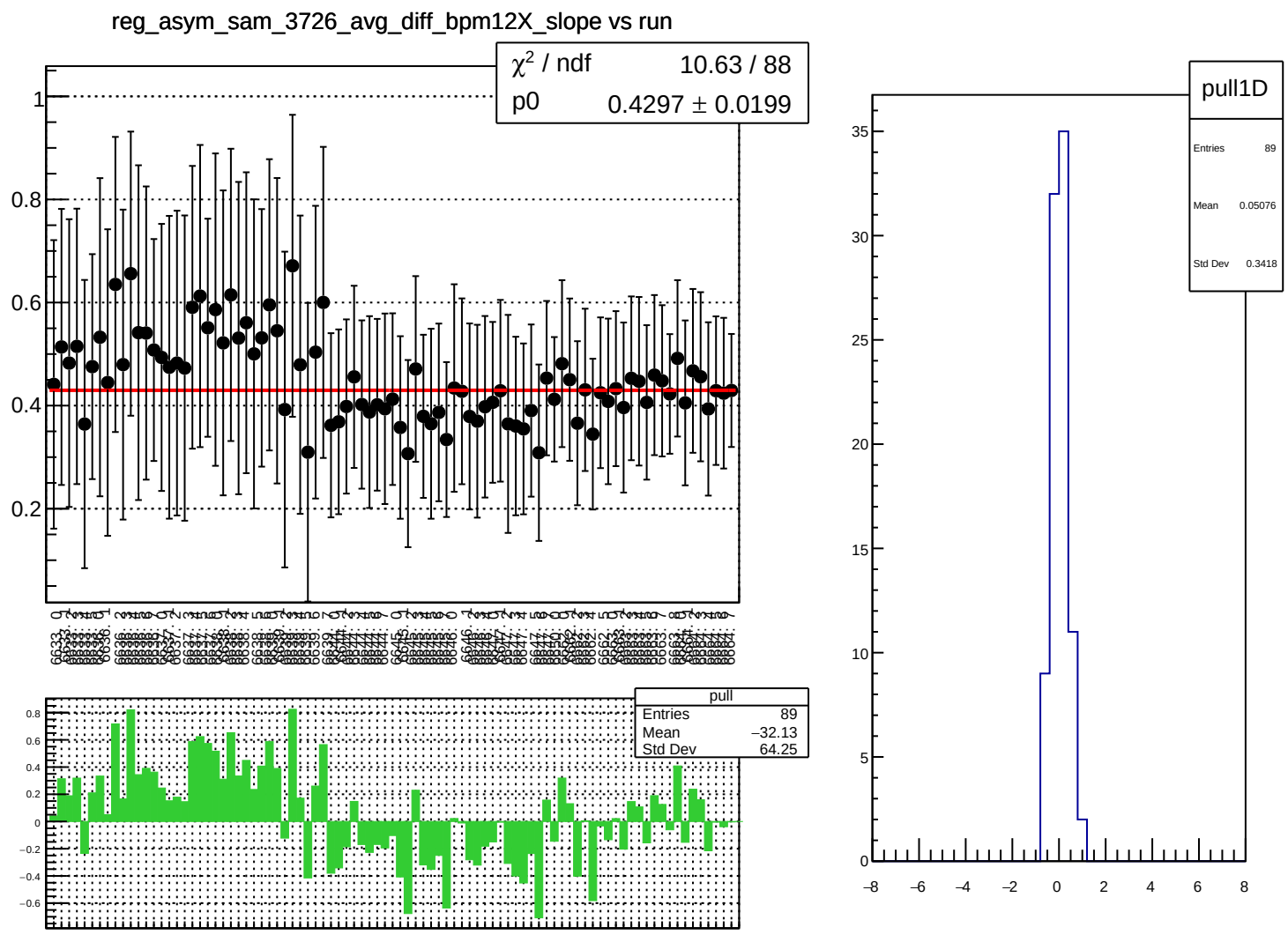

pull1D
Entries 89
Mean −0.1919
Std Dev 1.764

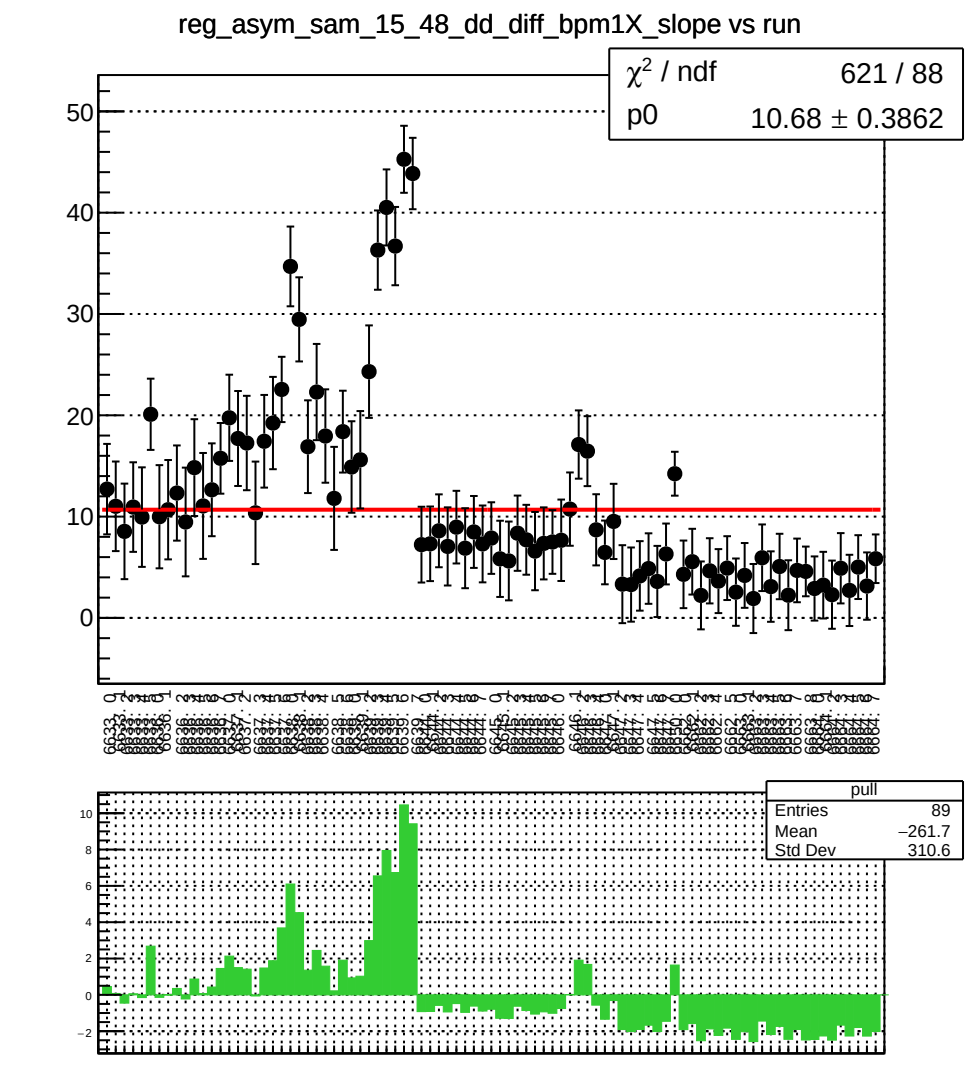

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 72.73 / 88
p0 4.735 ± 0.3072
pull
Entries 89
Mean −74.08
Std Dev 124
pull1D
Entries 89
Mean 0.09366
Std Dev 0.8991

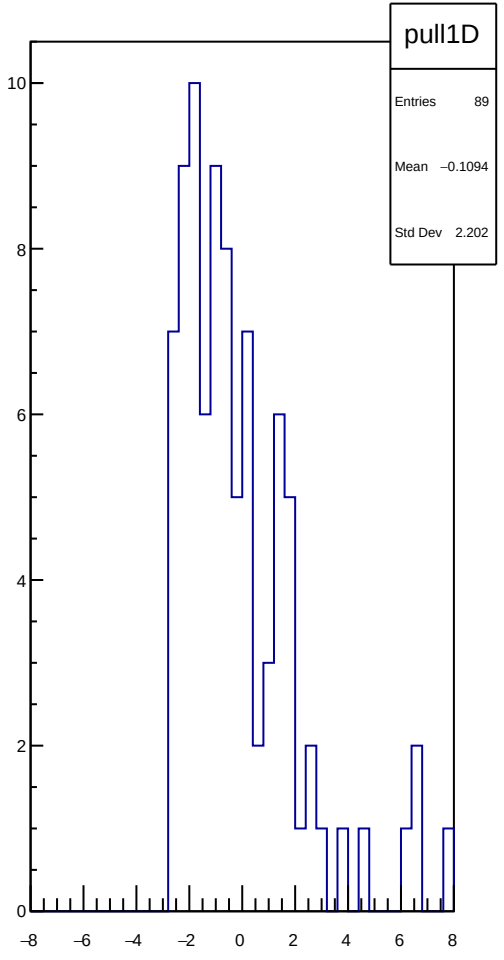

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 295.4 / 88
p0 −43.08 ± 0.4625
−30
−40
−50
−60
−70
−80
pull
Entries 89
Mean −37.36
Std Dev 73.09
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.4229
Std Dev 1.772
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

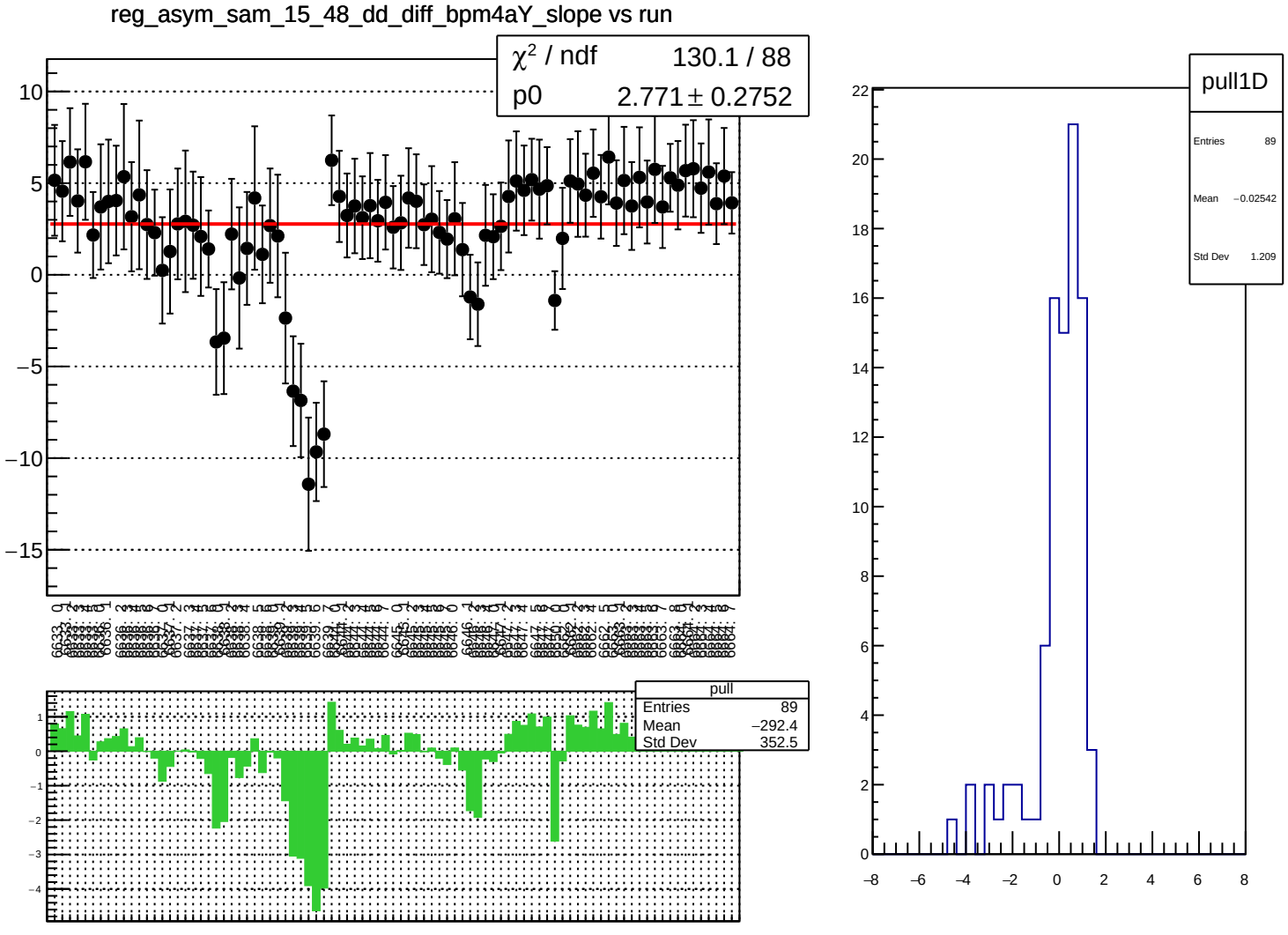

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 276 / 88
p0 −11.62 ± 0.3647
pull
Entries 89
Mean −58.11
Std Dev 100.3

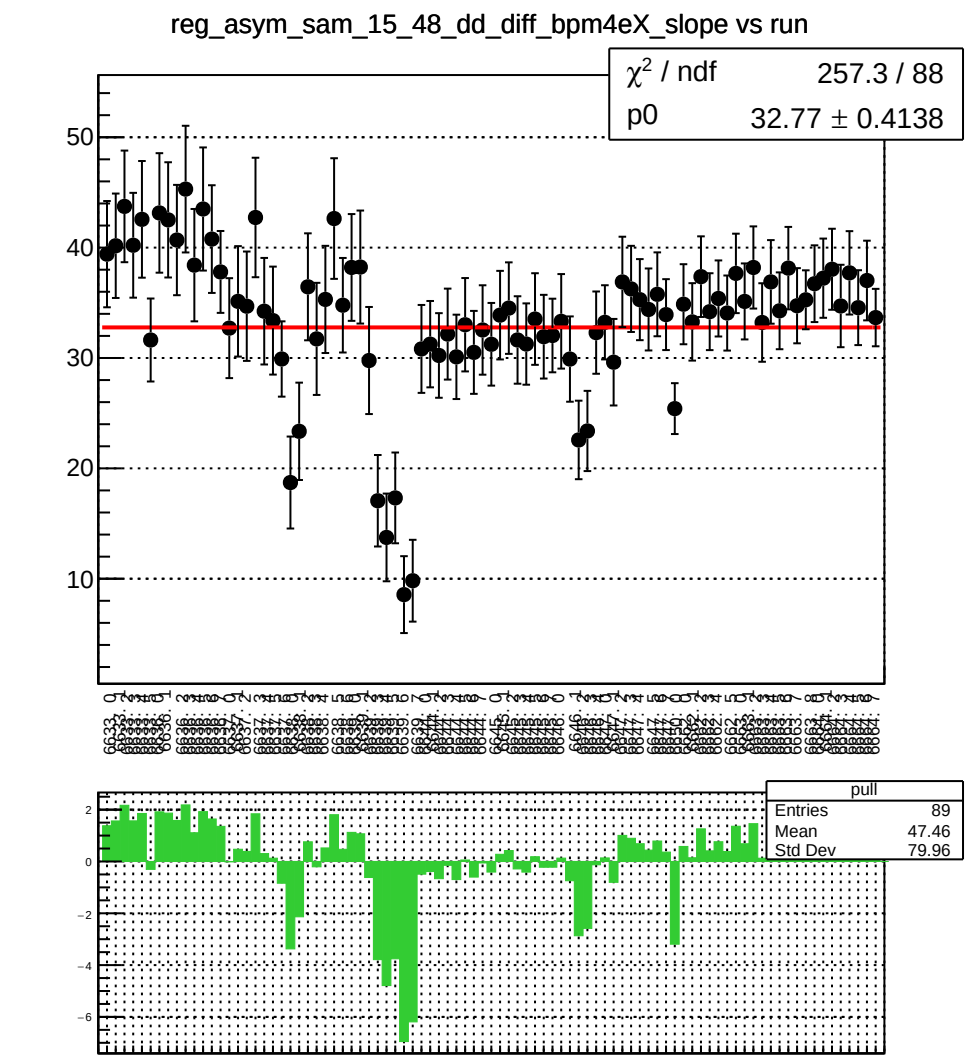

pull1D
Entries 89
Mean −0.334
Std Dev 1.729

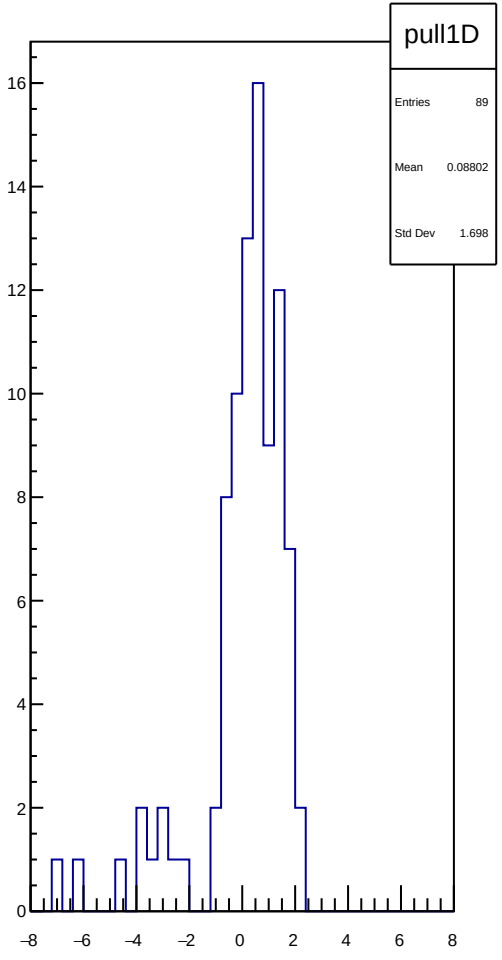

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 10.63 / 88
p0 0.4297 ± 0.0199
pull
Entries 89
Mean −32.13
Std Dev 64.25
pull1D
Entries 89
Mean 0.05076
Std Dev 0.3418

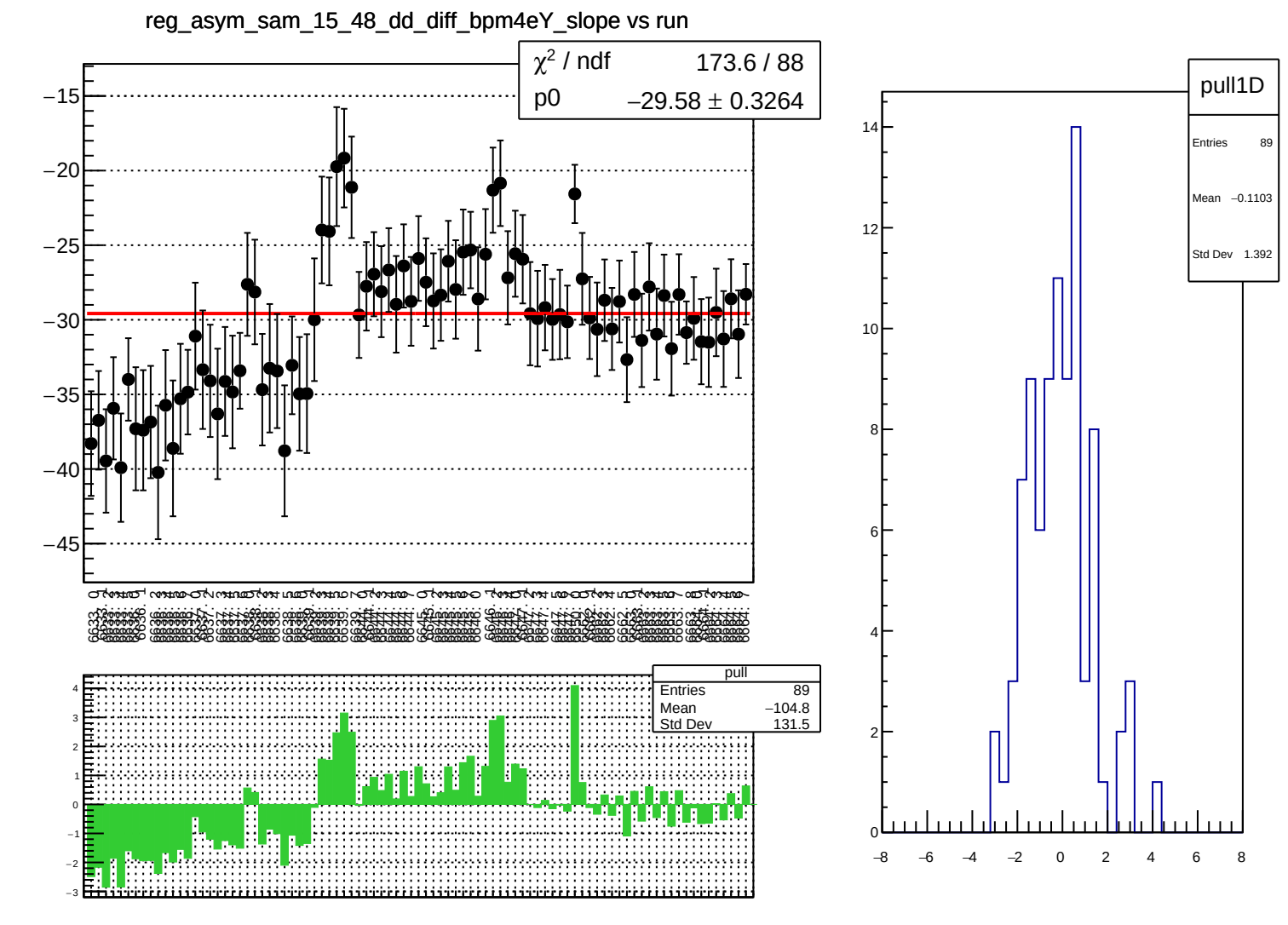

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 621 / 88
p0 10.68 ± 0.3862
pull
Entries 89
Mean −261.7
Std Dev 310.6

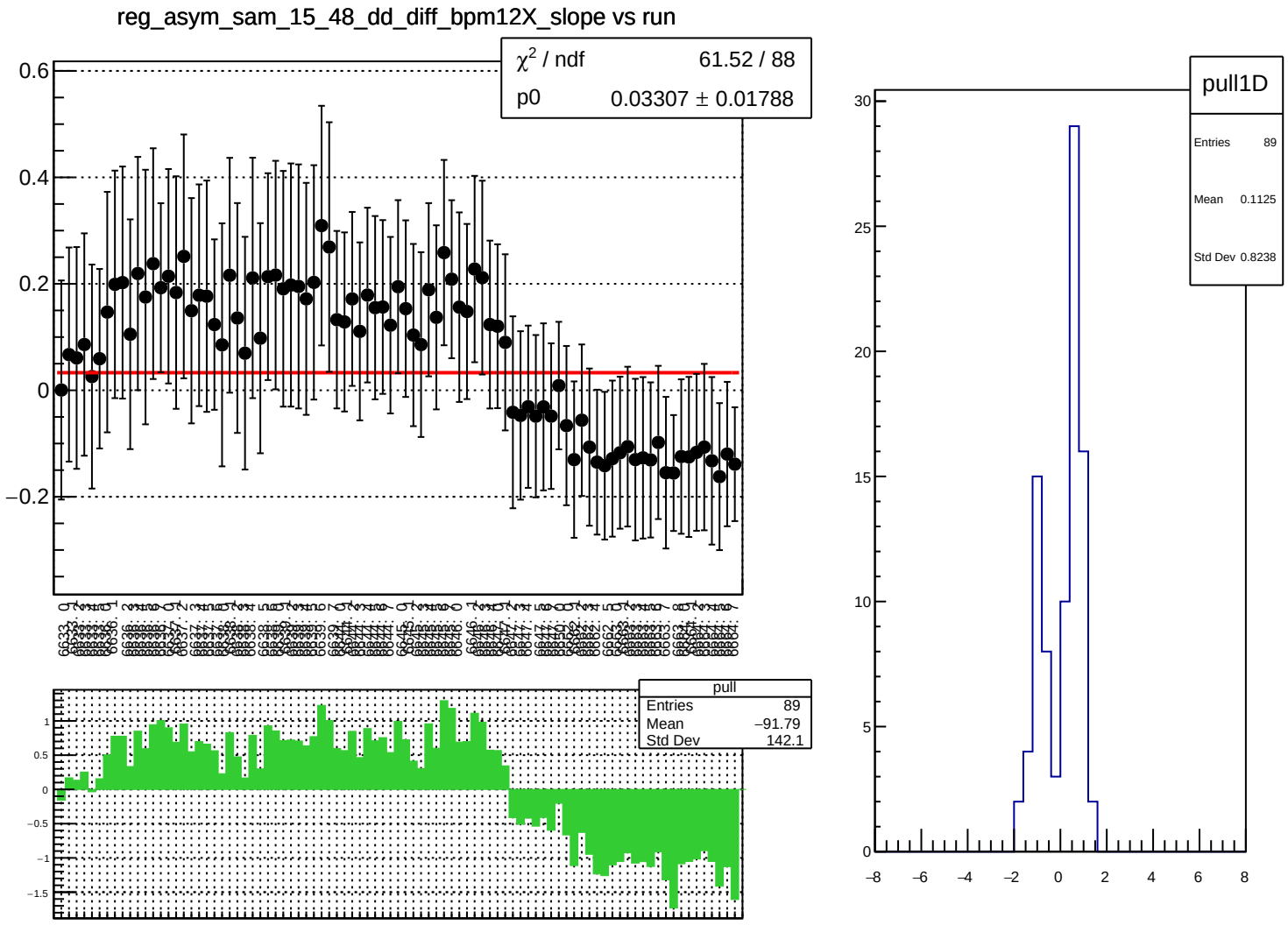

pull1D
Entries 89
Mean −0.1094
Std Dev 2.202

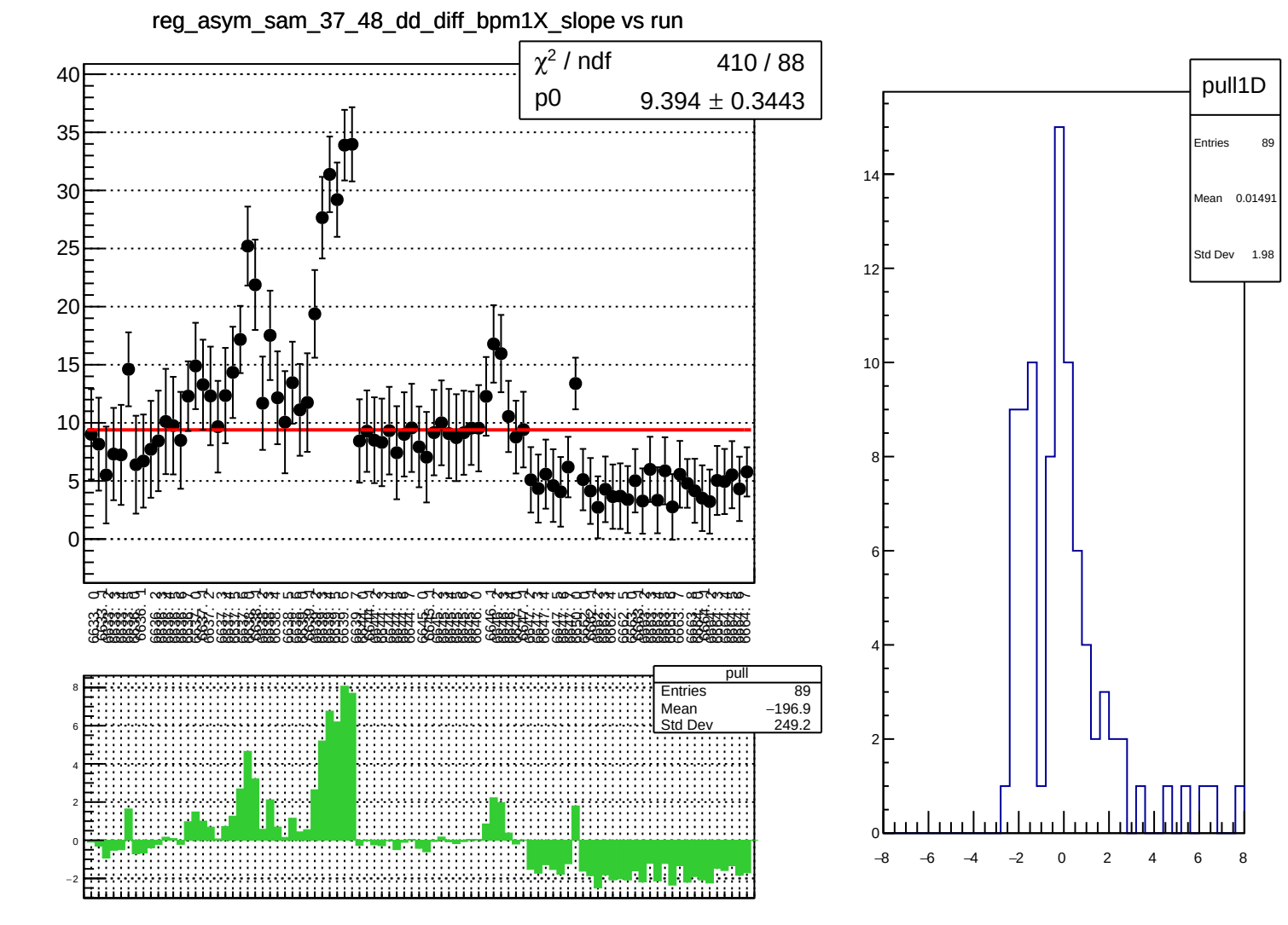

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 130.1 / 88
p0 2.771 ± 0.2752
pull
Entries 89
Mean −292.4
Std Dev 352.5
pull1D
Entries 89
Mean −0.02542
Std Dev 1.209

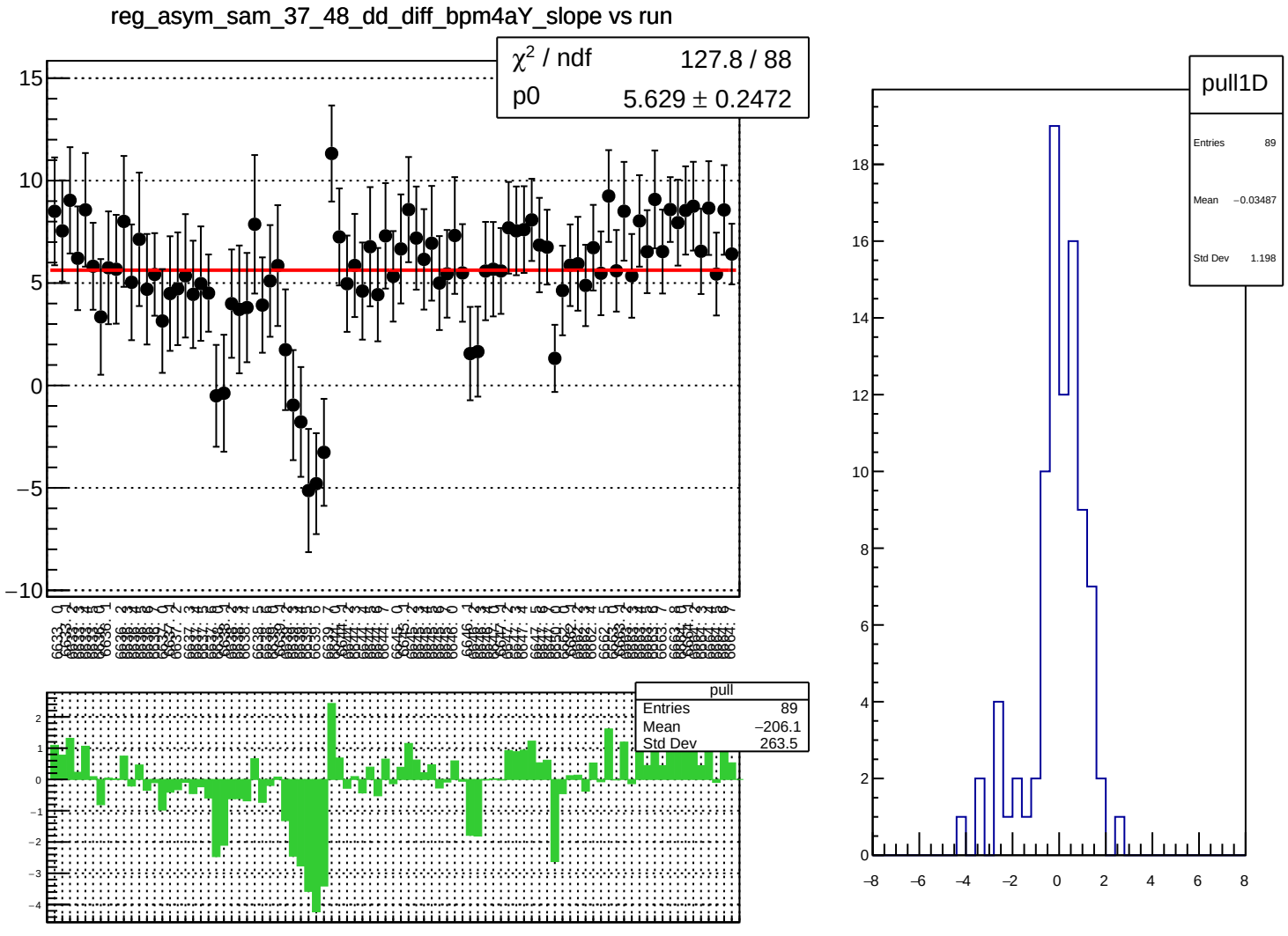

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 257.3 / 88
p0 32.77 ± 0.4138
pull
Entries 89
Mean 47.46
Std Dev 79.96

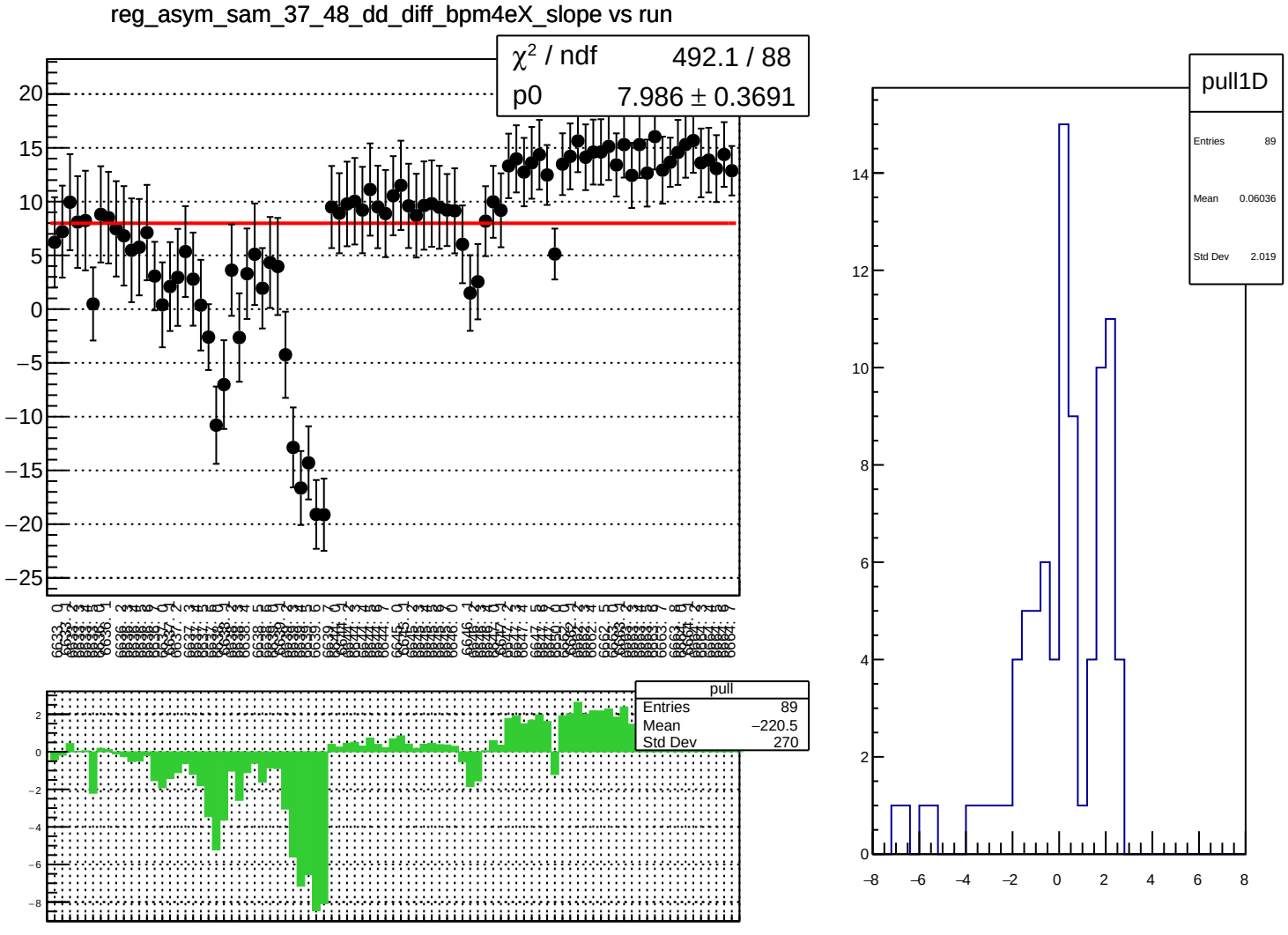

pull1D
Entries 89
Mean 0.08802
Std Dev 1.698

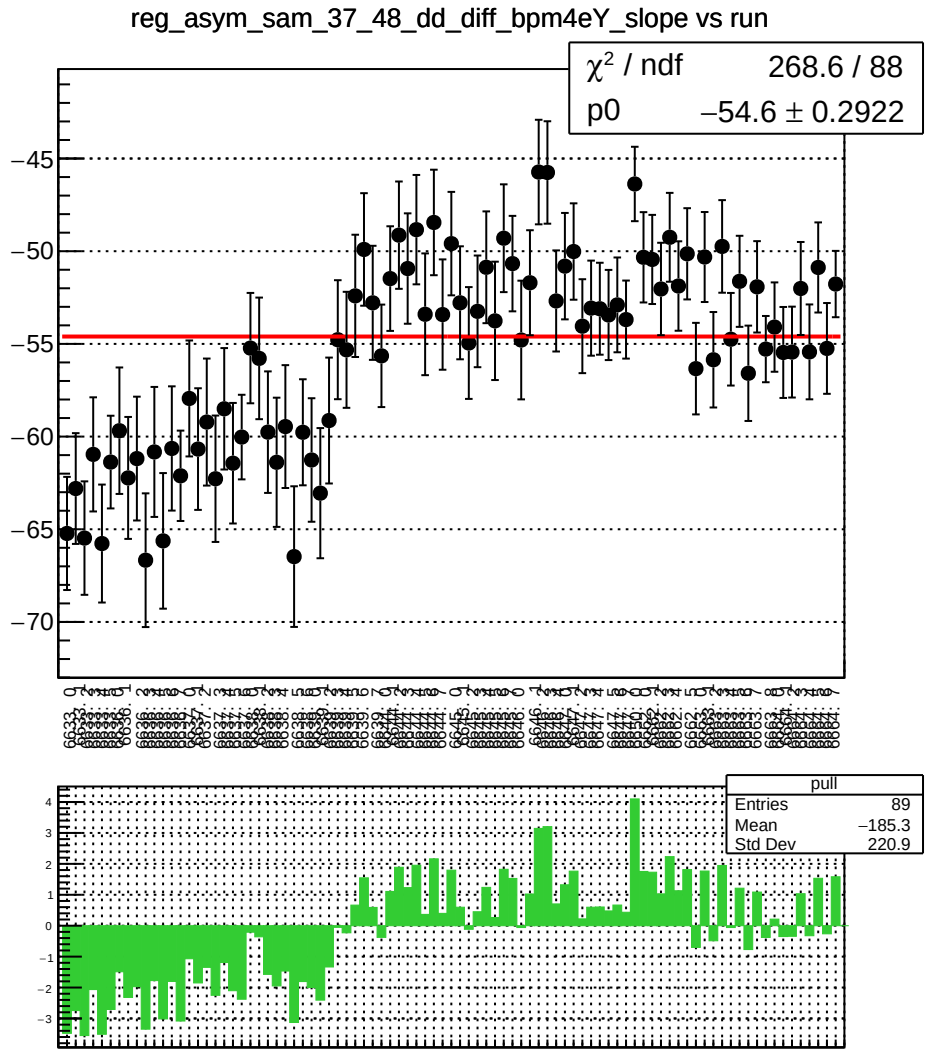

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 173.6 / 88
p0 −29.58 ± 0.3264
pull
Entries 89
Mean −104.8
Std Dev 131.5
pull1D
Entries 89
Mean −0.1103
Std Dev 1.392

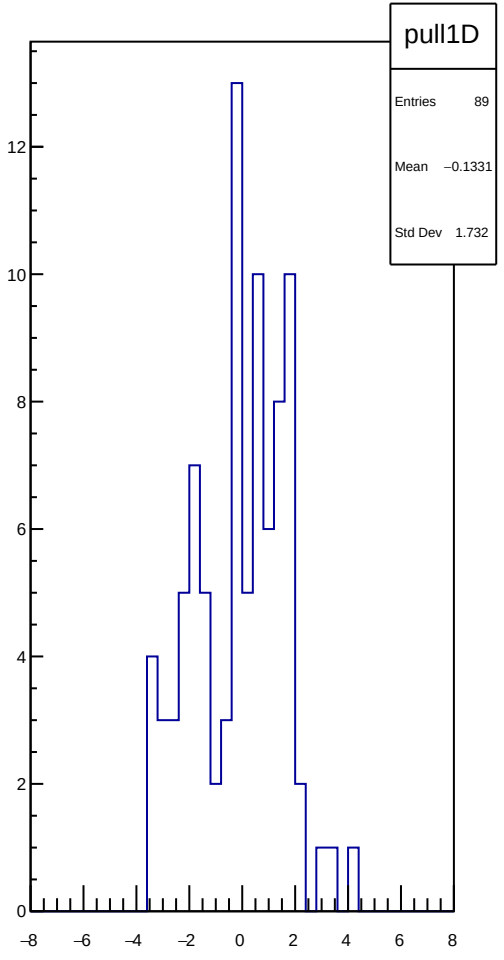

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 61.52 / 88
p0 0.03307 ± 0.01788
pull
Entries 89
Mean −91.79
Std Dev 142.1
pull1D
Entries 89
Mean 0.1125
Std Dev 0.8238

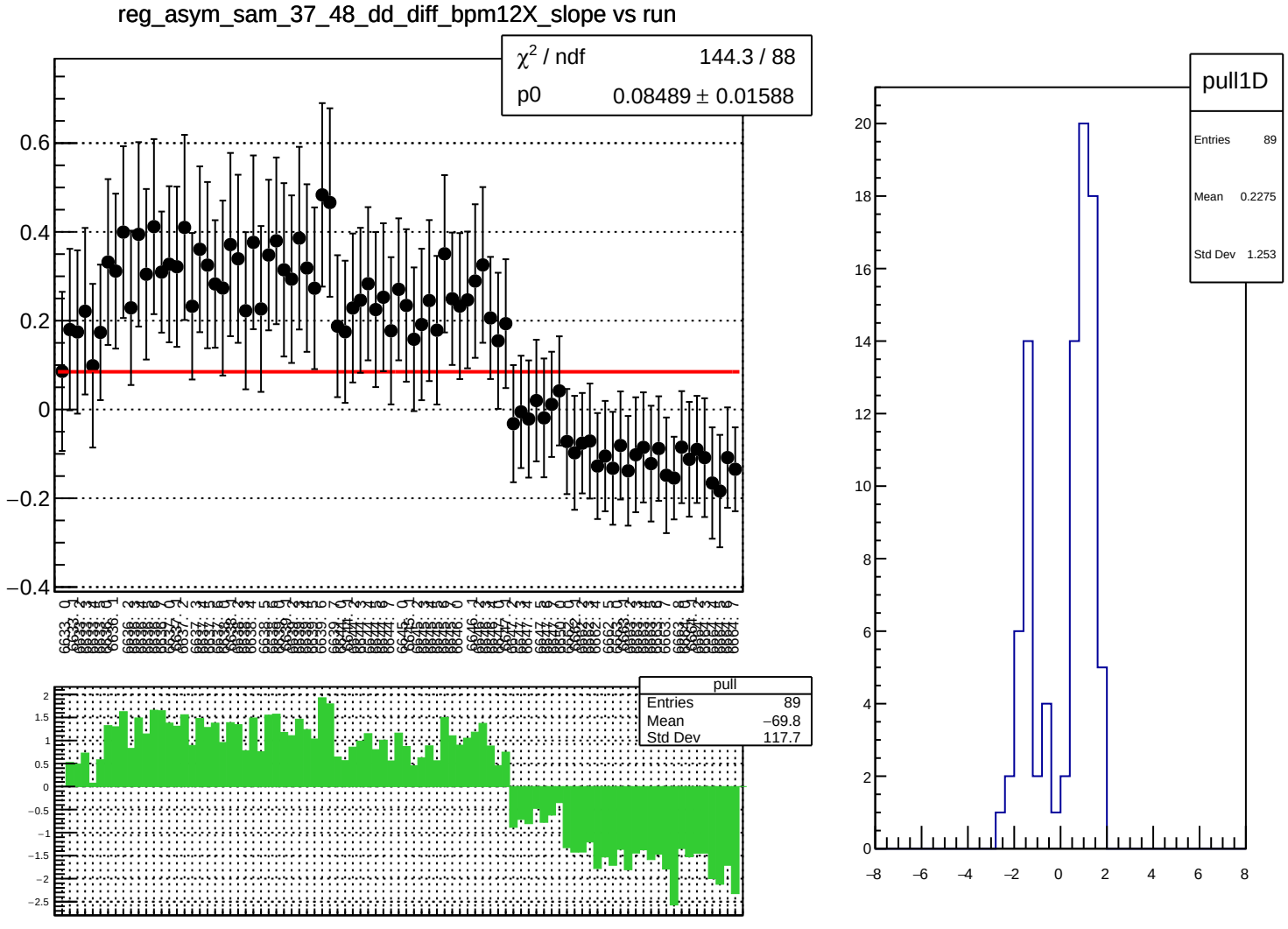

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 410 / 88
p0 9.394 ± 0.3443
pull
Entries 89
Mean −196.9
Std Dev 249.2
pull1D
Entries 89
Mean 0.01491
Std Dev 1.98

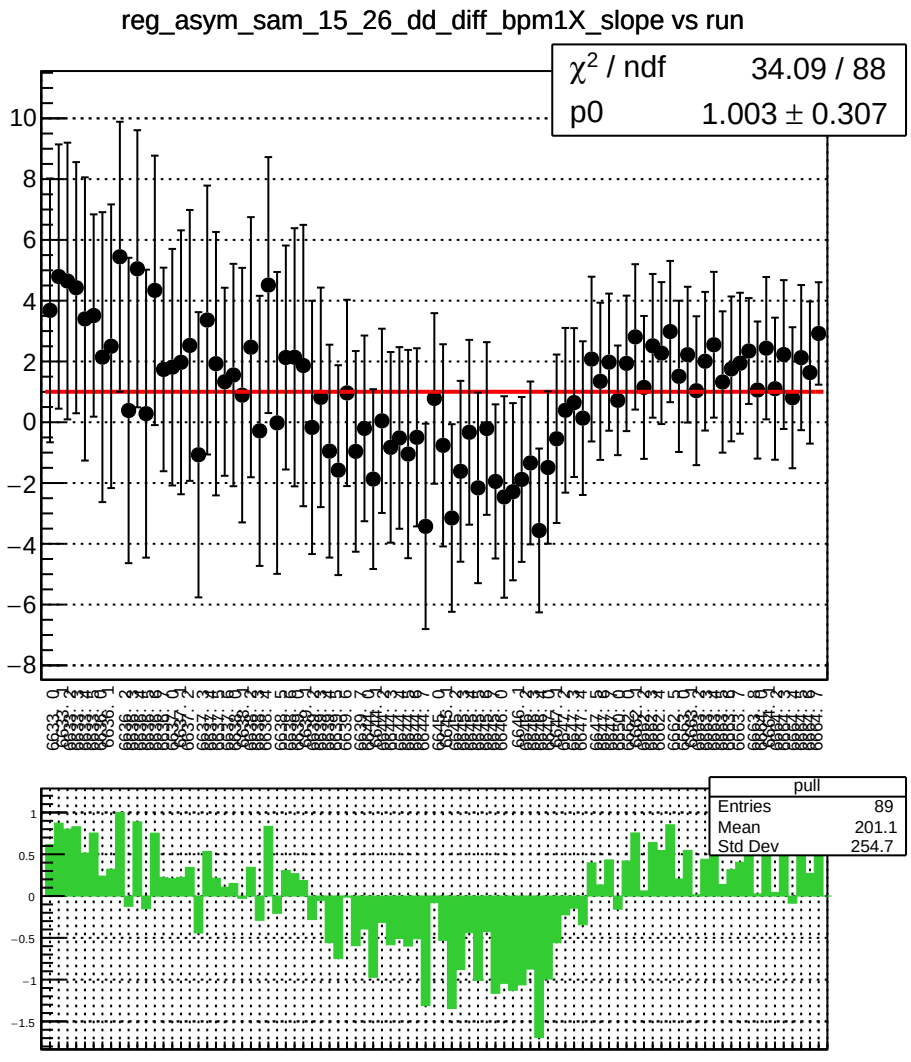

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 127.8 / 88
p0 5.629 ± 0.2472
pull
Entries 89
Mean −206.1
Std Dev 263.5
pull1D
Entries 89
Mean −0.03487
Std Dev 1.198

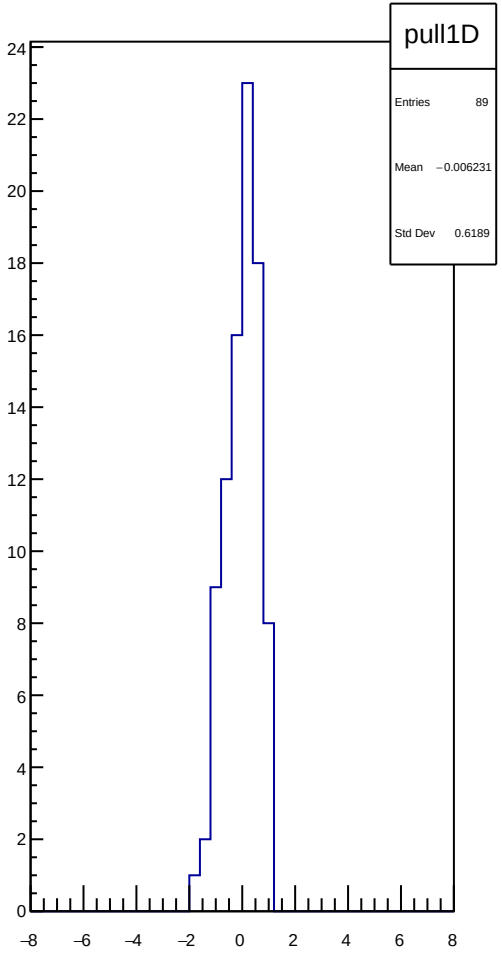

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 492.1 / 88
p0 7.986 ± 0.3691
pull
Entries 89
Mean −220.5
Std Dev 270
pull1D
Entries 89
Mean 0.06036
Std Dev 2.019

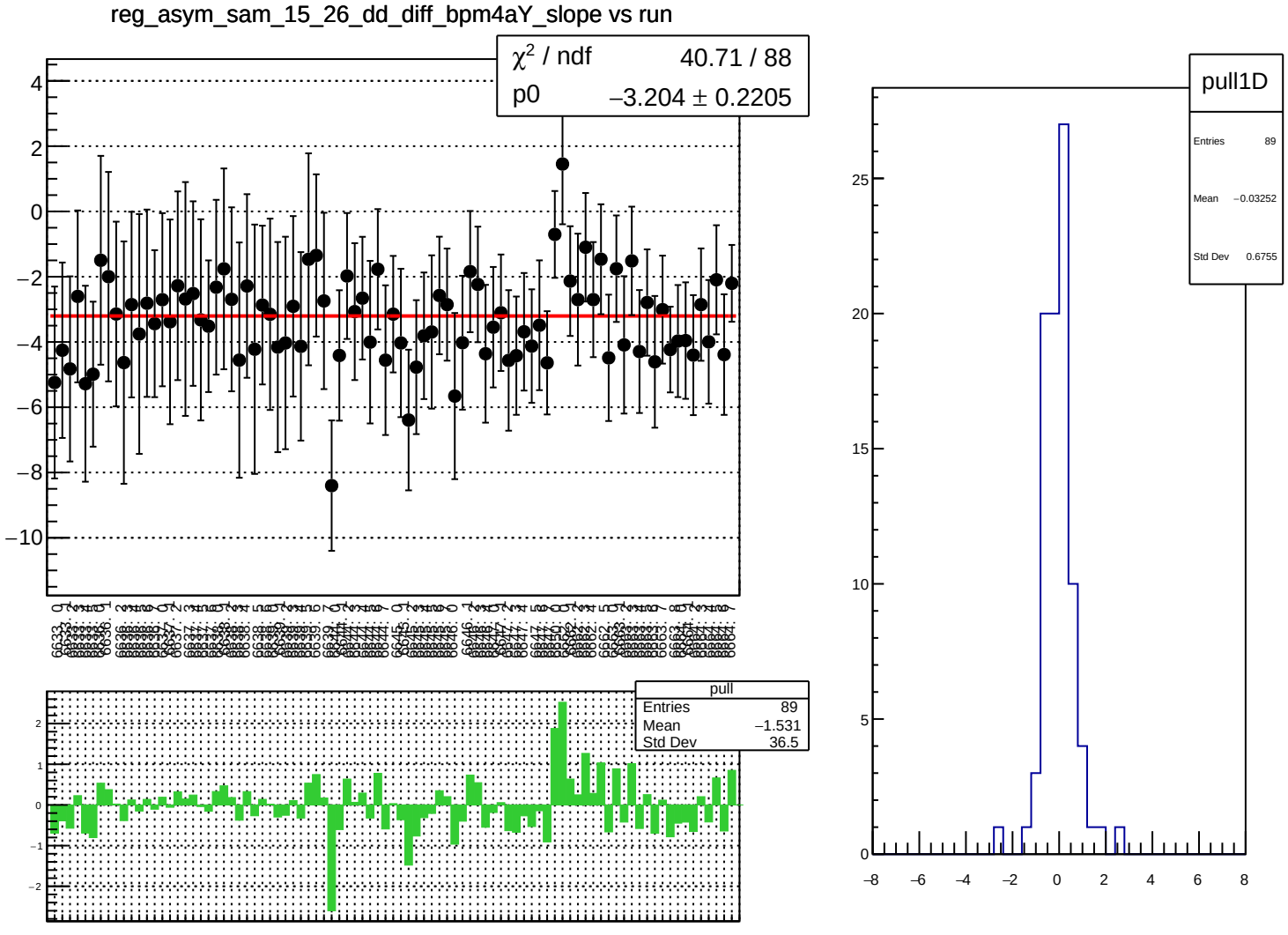

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 268.6 / 88
p0 −54.6 ± 0.2922
−45
−50
−55
−60
−65
−70
pull
Entries 89
Mean −185.3
Std Dev 220.9
4
3
2
1
0
−1
−2
−3

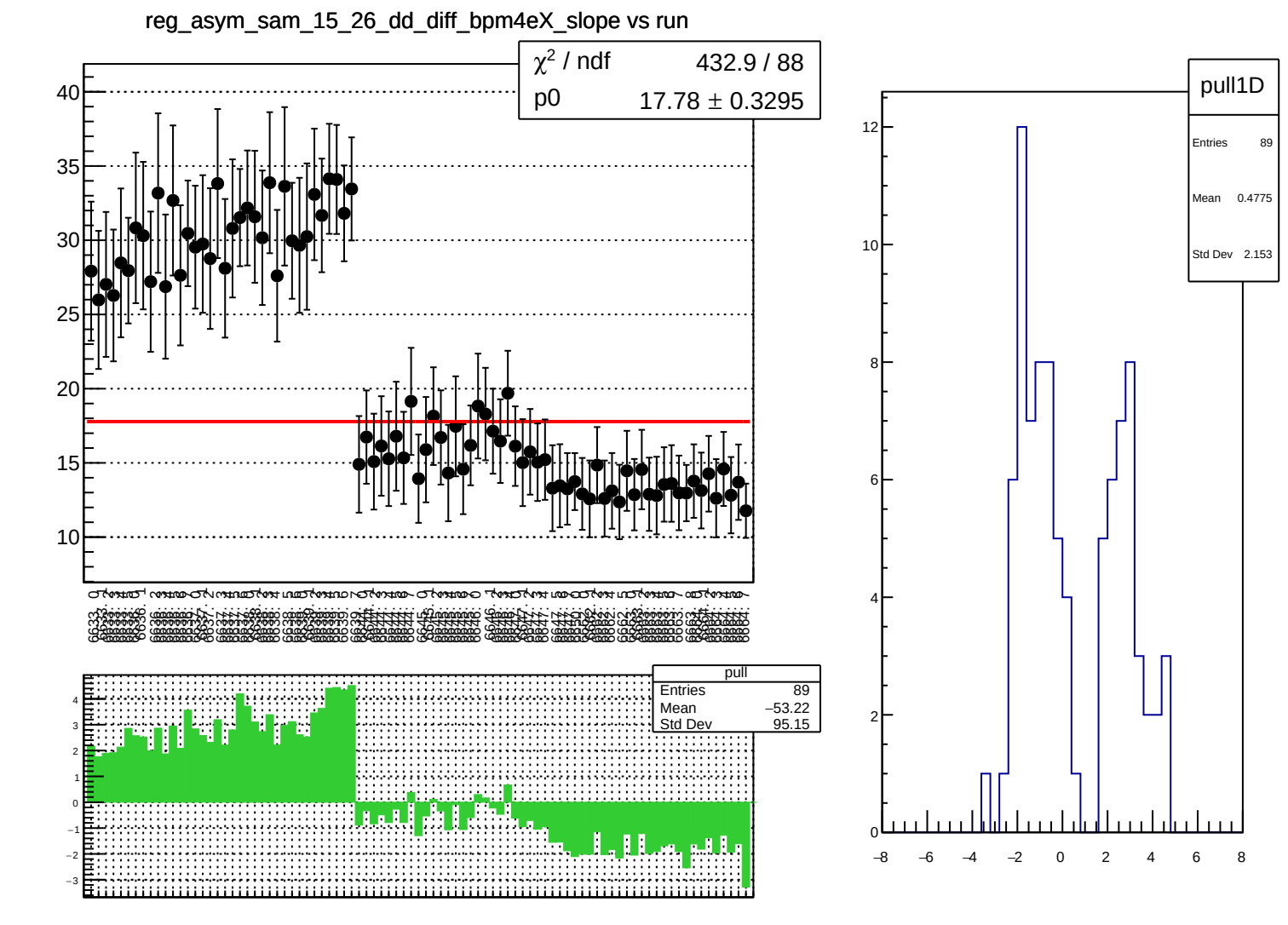

pull1D
Entries 89
Mean −0.1331
Std Dev 1.732
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

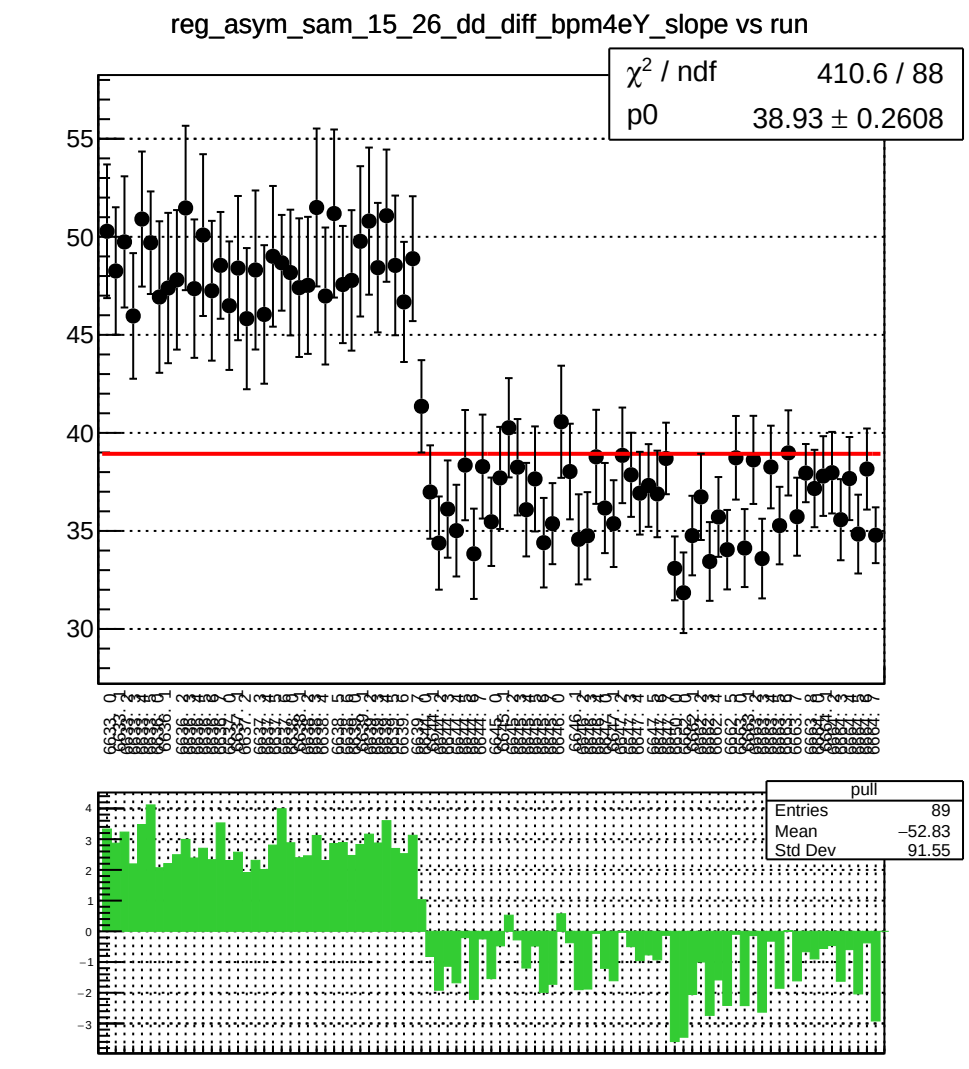

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 144.3 / 88
p0 0.08489 ± 0.01588
pull
Entries 89
Mean −69.8
Std Dev 117.7
pull1D
Entries 89
Mean 0.2275
Std Dev 1.253

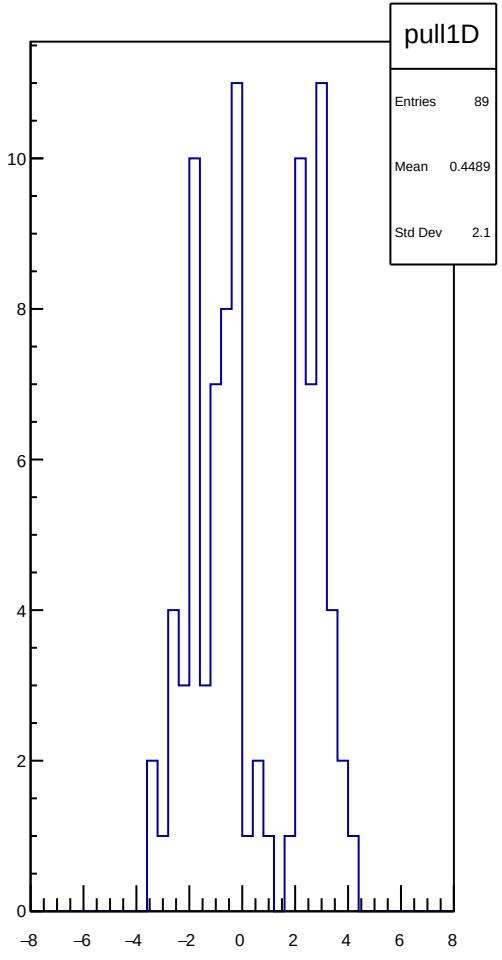

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 34.09 / 88
p0 1.003 ± 0.307
pull
Entries 89
Mean 201.1
Std Dev 254.7

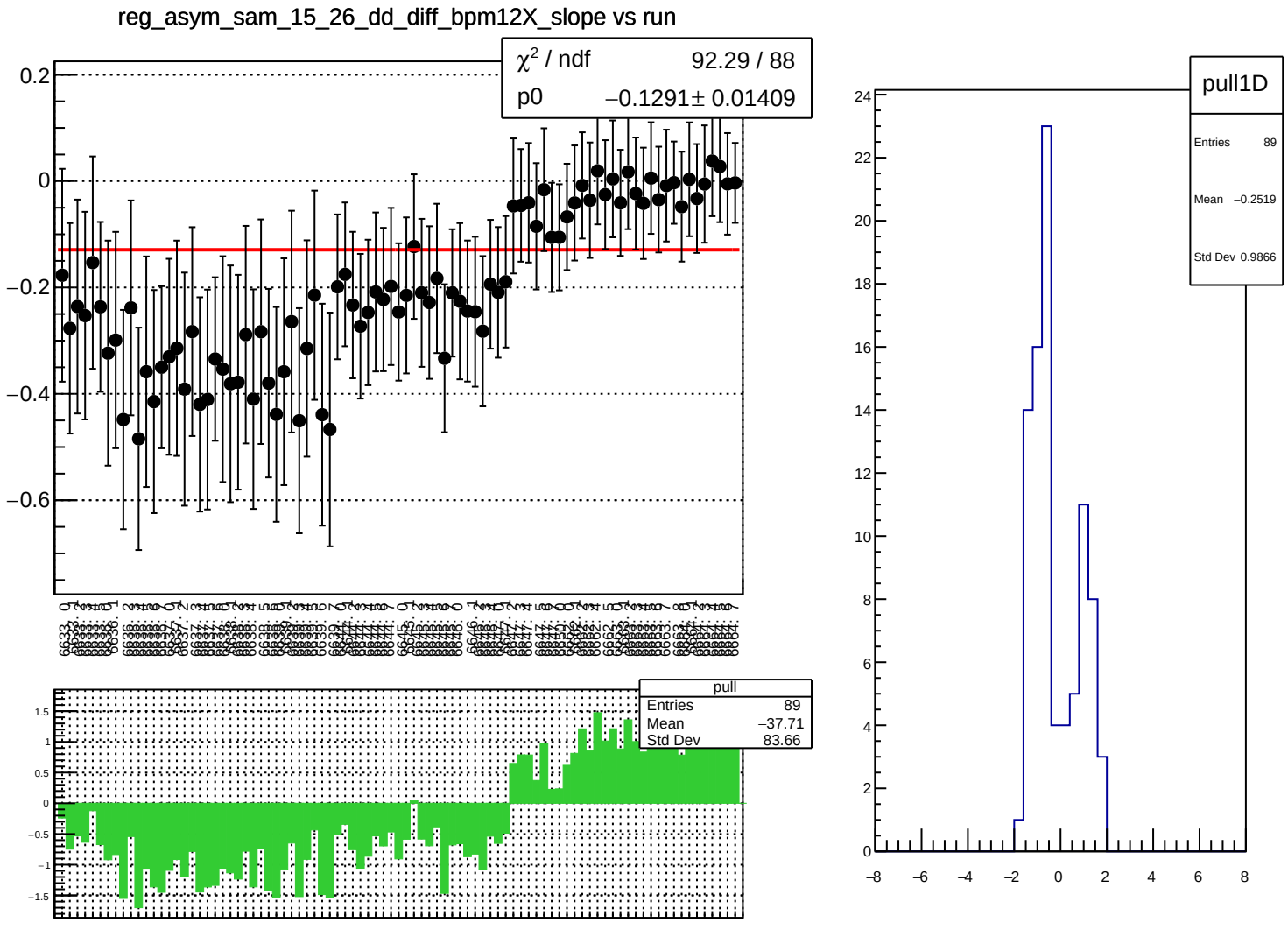

pull1D
Entries 89
Mean −0.006231
Std Dev 0.6189

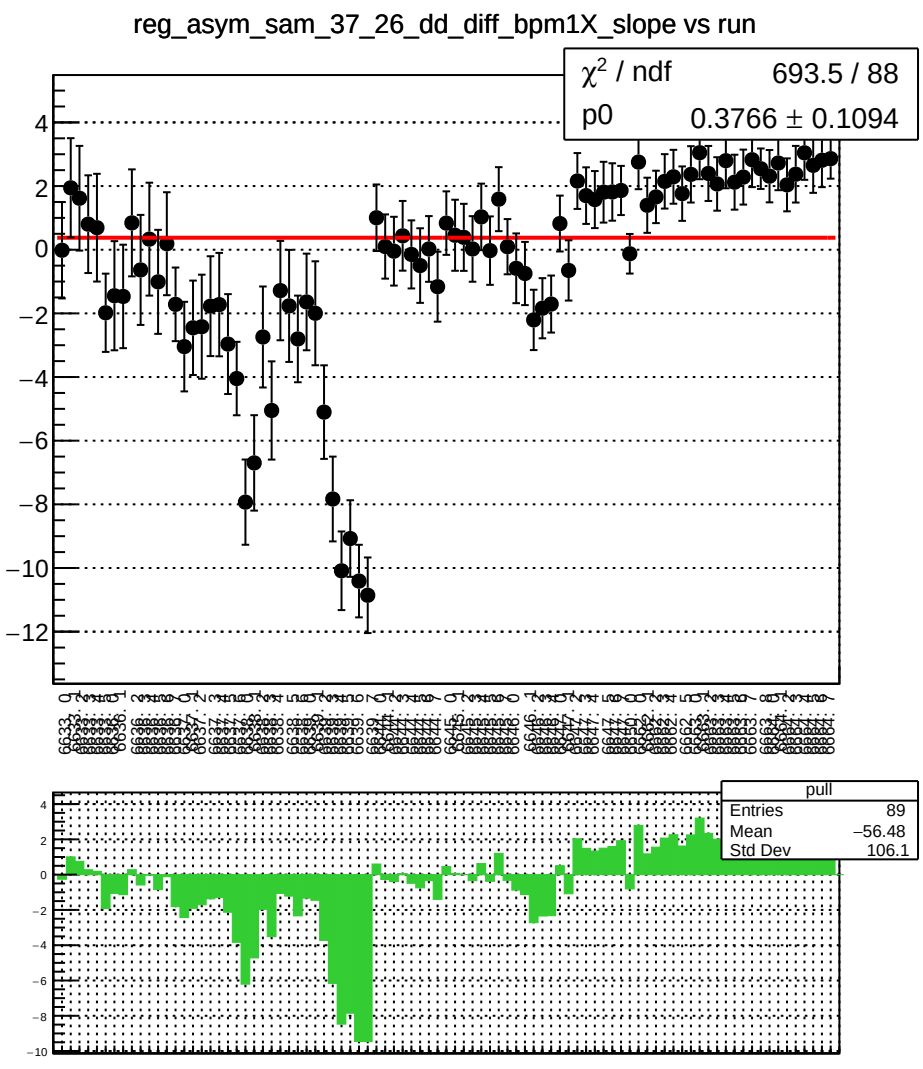

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.71 / 88
p0 −3.204 ± 0.2205
pull
Entries 89
Mean −1.531
Std Dev 36.5
pull1D
Entries 89
Mean −0.03252
Std Dev 0.6755

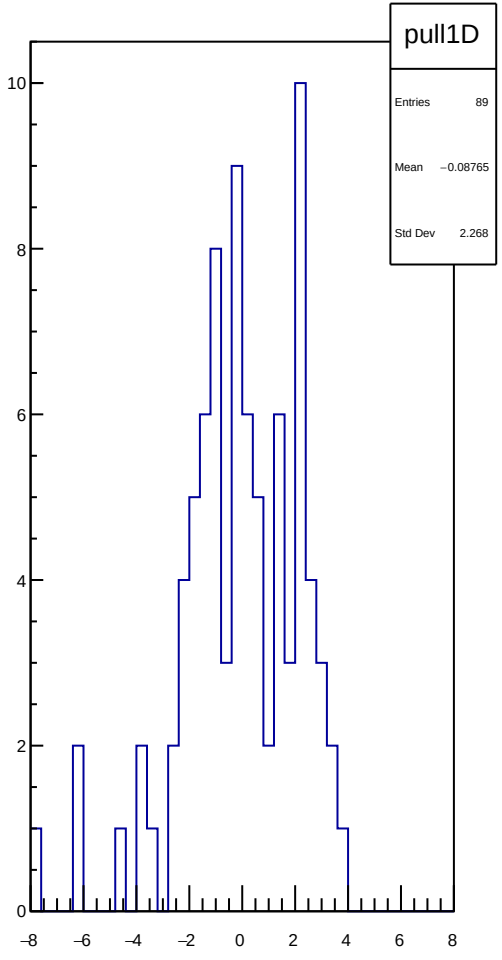

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 432.9 / 88
p0 17.78 ± 0.3295
pull
Entries 89
Mean −53.22
Std Dev 95.15
pull1D
Entries 89
Mean 0.4775
Std Dev 2.153

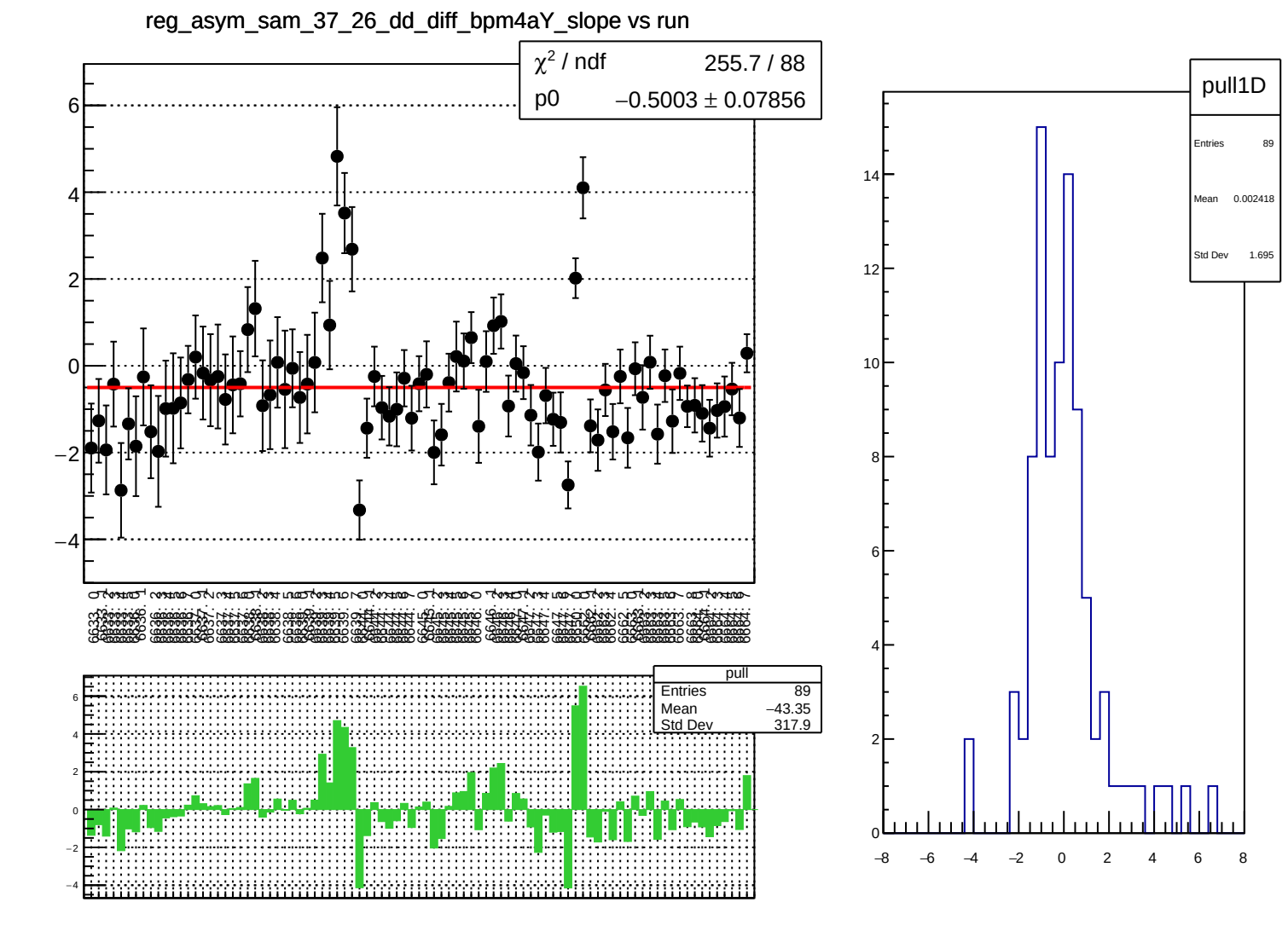

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 410.6 / 88
p0 38.93 ± 0.2608
55
50
45
40
35
30
pull
Entries 89
Mean −52.83
Std Dev 91.55
4
3
2
1
0
−1
−2
−3

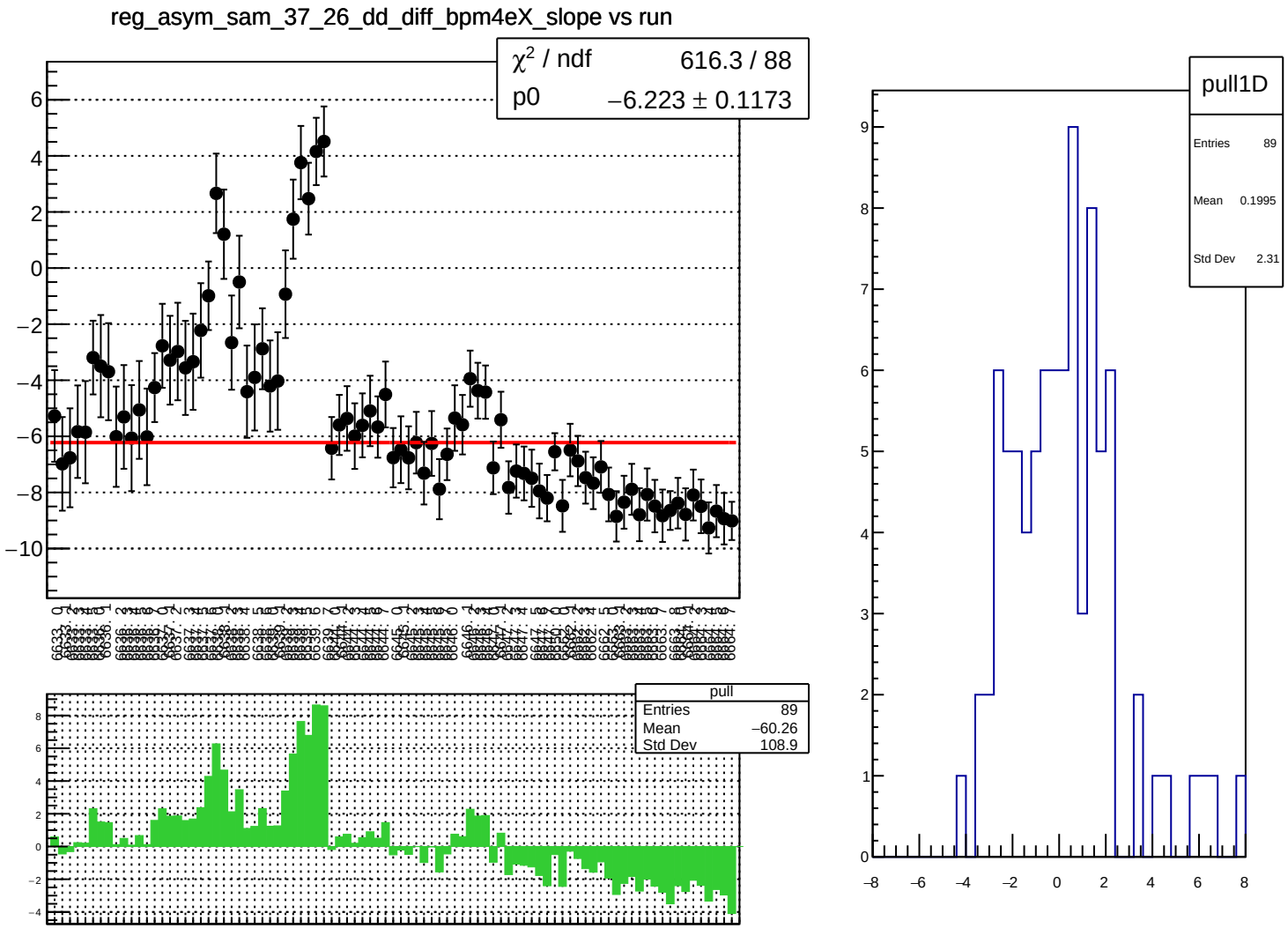

pull1D
Entries 89
Mean 0.4489
Std Dev 2.1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

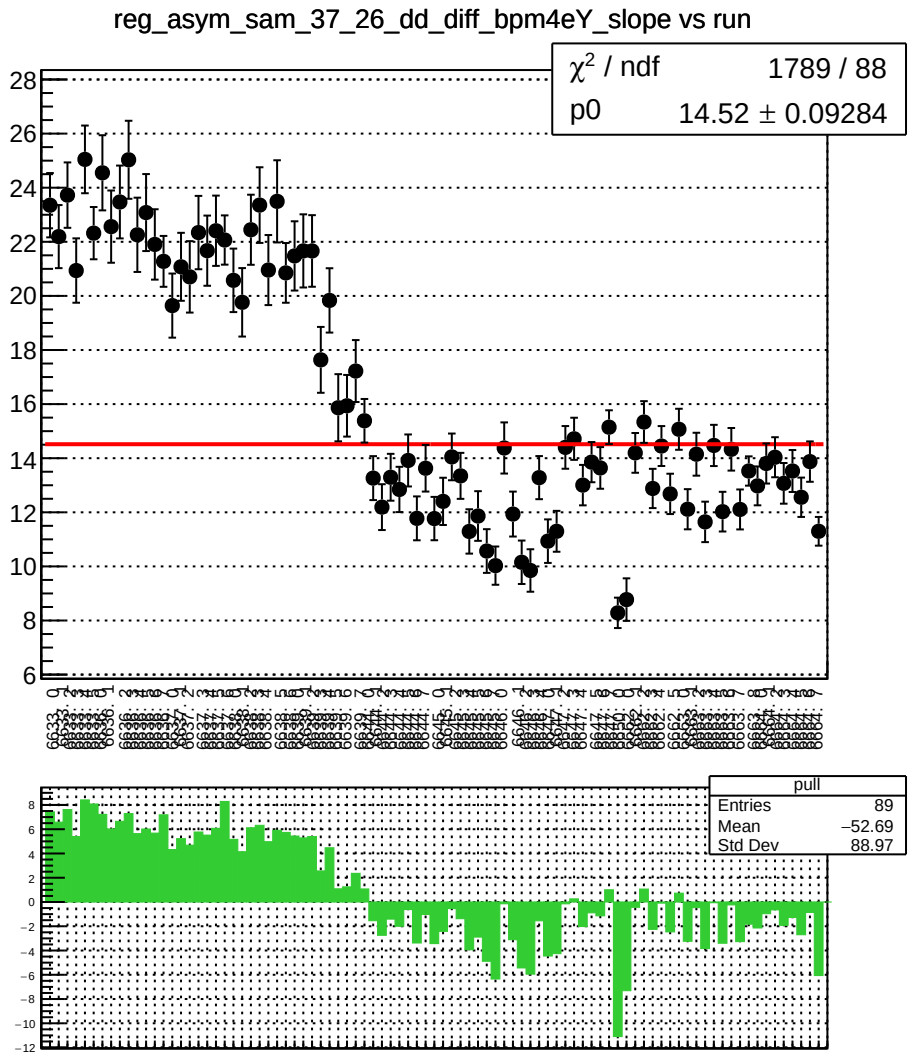

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 92.29 / 88
p0 −0.1291± 0.01409
pull
Entries 89
Mean −37.71
Std Dev 83.66
pull1D
Entries 89
Mean −0.2519
Std Dev 0.9866

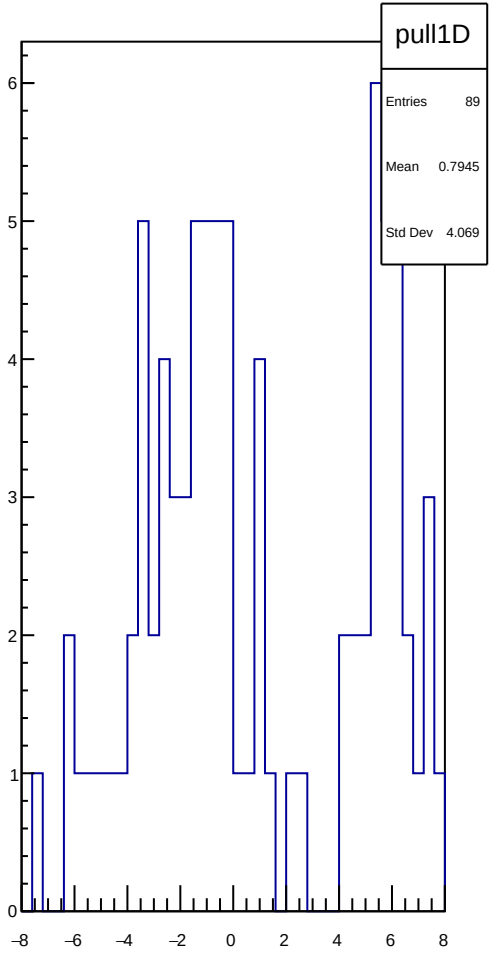

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 693.5 / 88
p0 0.3766 ± 0.1094
pull
Entries 89
Mean −56.48
Std Dev 106.1

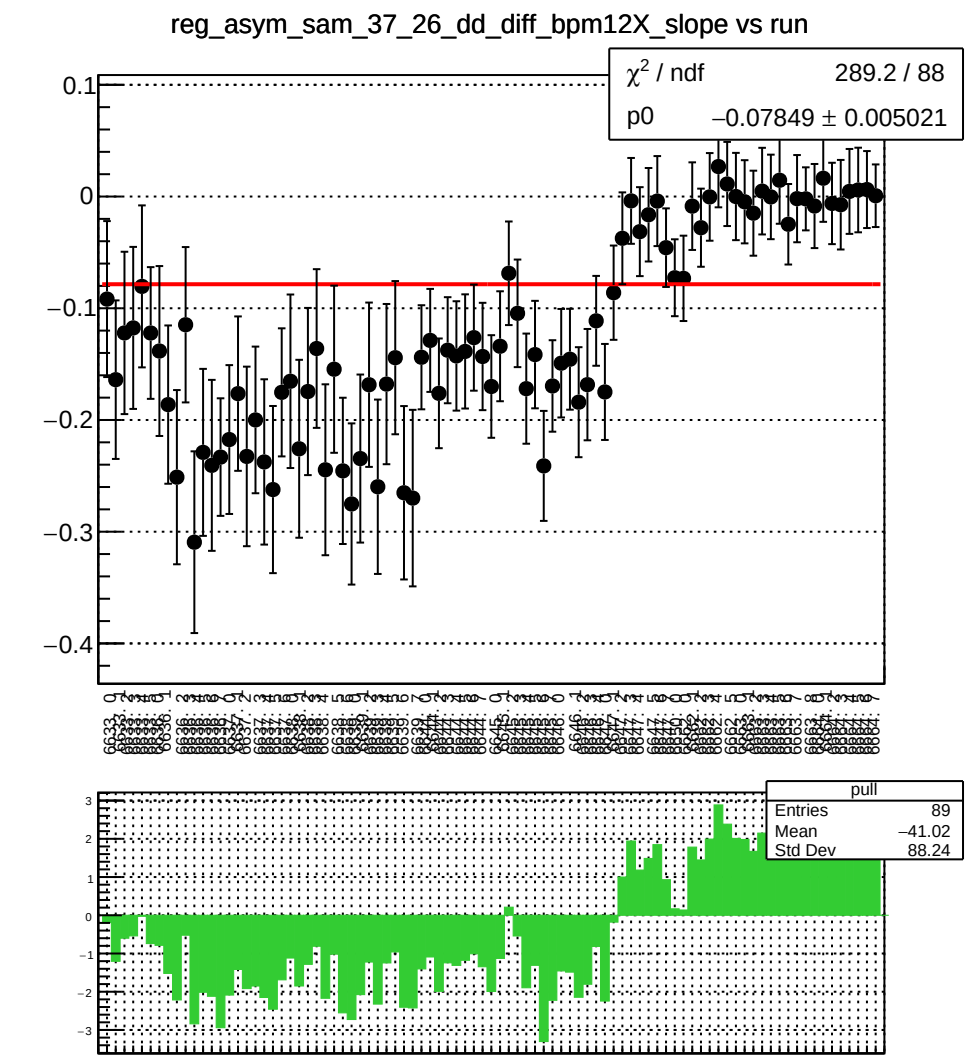

pull1D
Entries 89
Mean −0.08765
Std Dev 2.268

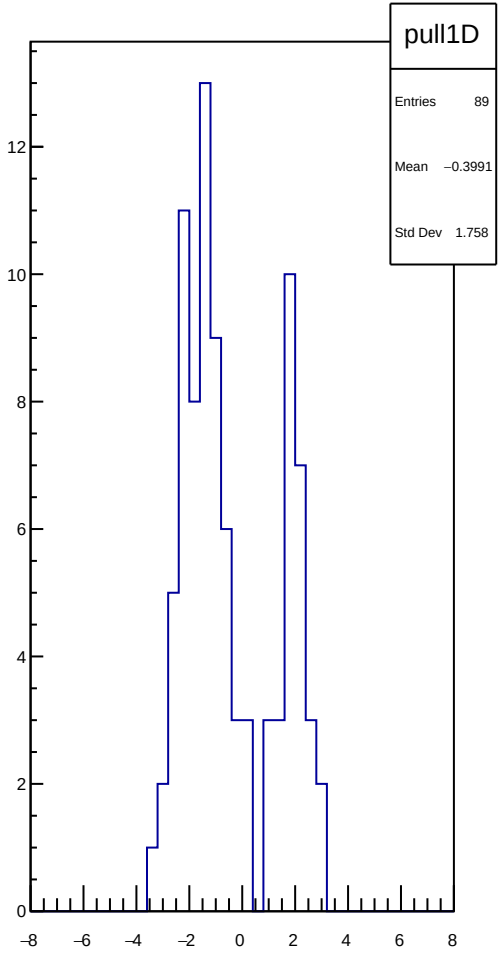

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 255.7 / 88
p0 −0.5003 ± 0.07856
pull
Entries 89
Mean −43.35
Std Dev 317.9
pull1D
Entries 89
Mean 0.002418
Std Dev 1.695

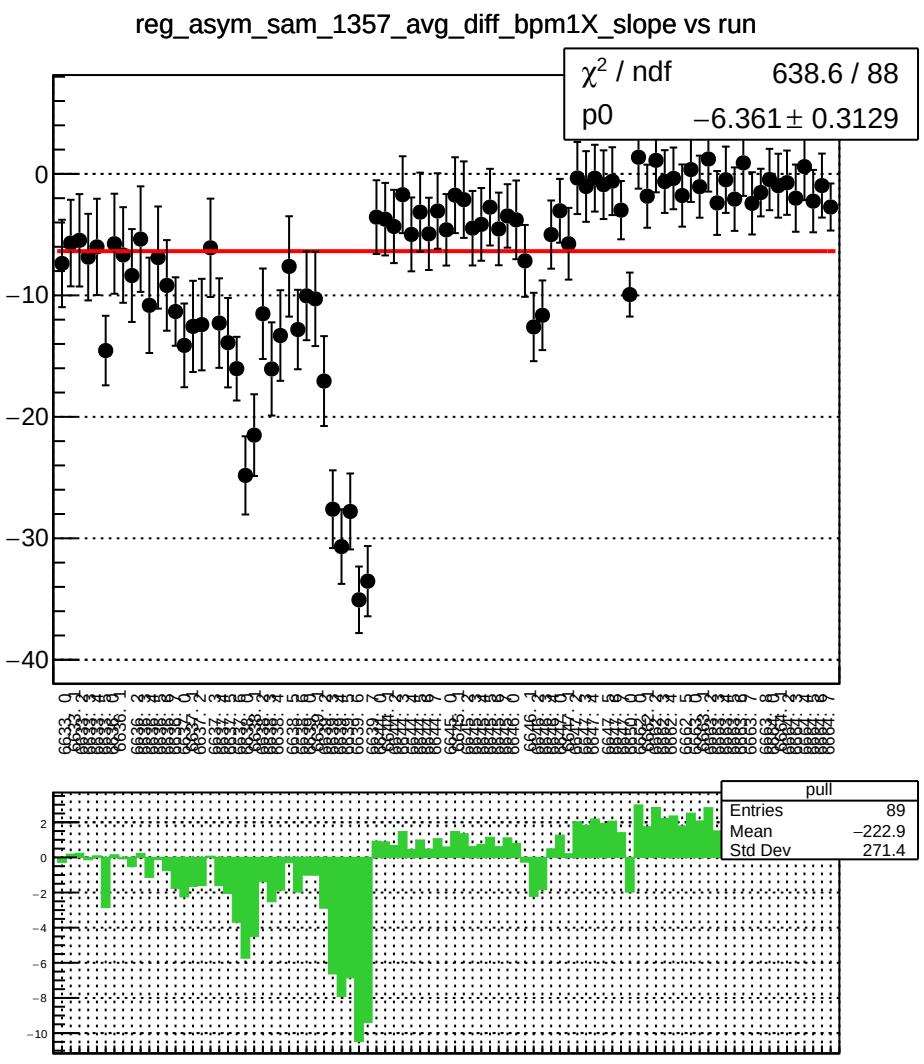

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 616.3 / 88
p0 −6.223 ± 0.1173
pull
Entries 89
Mean −60.26
Std Dev 108.9
pull1D
Entries 89
Mean 0.1995
Std Dev 2.31

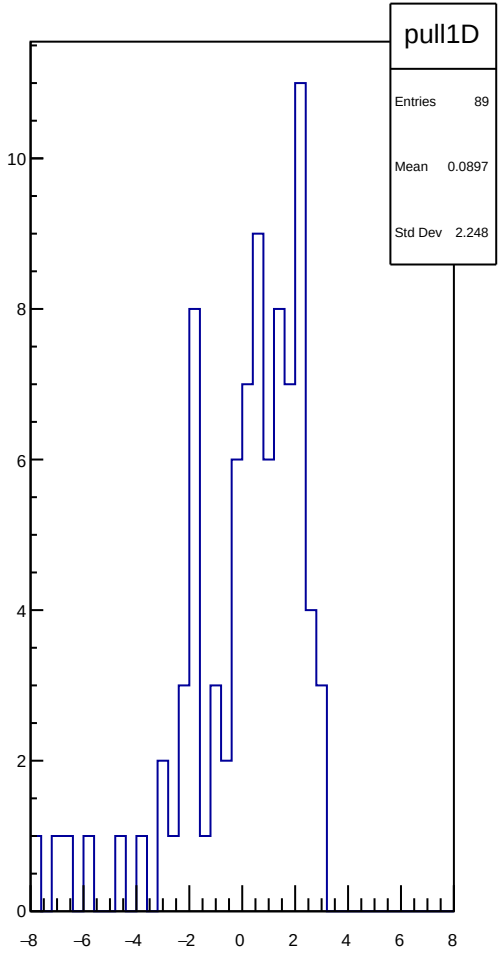

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1789 / 88
p0 14.52 ± 0.09284
pull
Entries 89
Mean −52.69
Std Dev 88.97

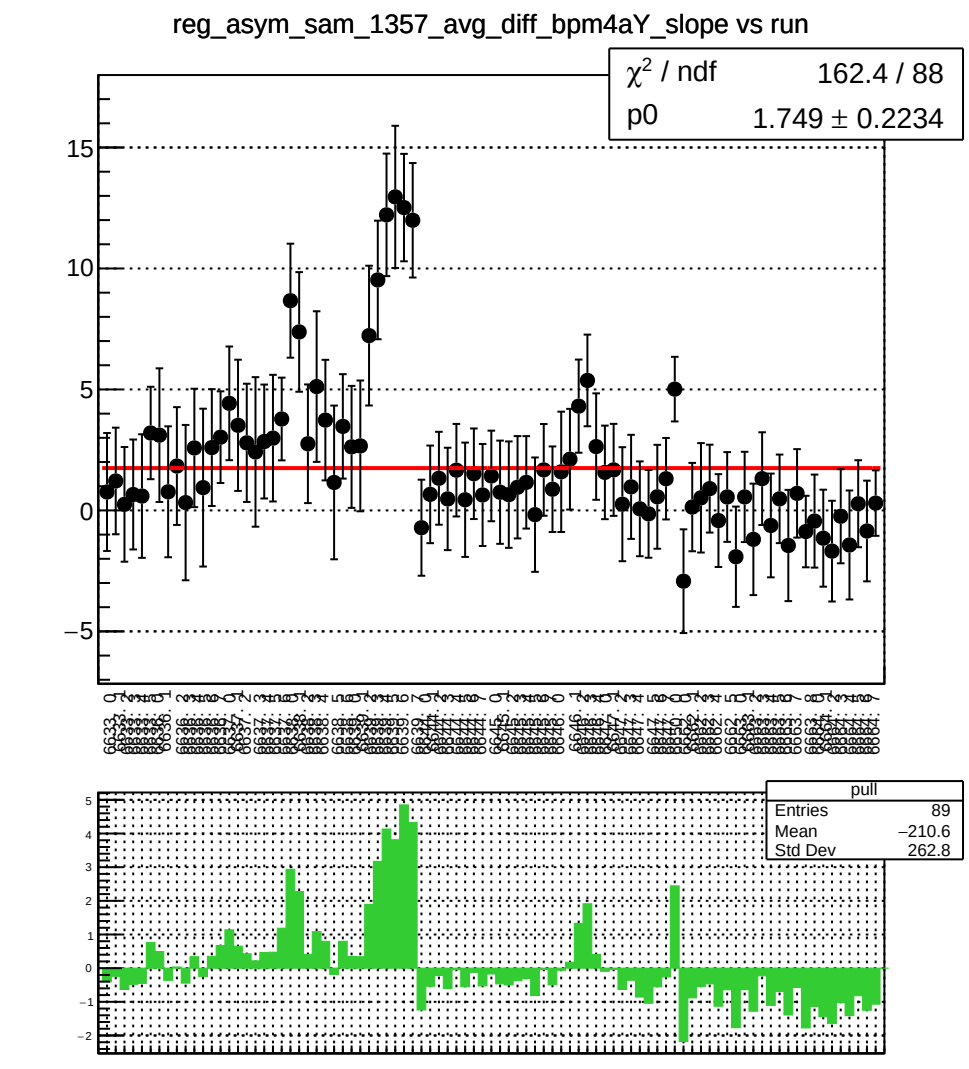

pull1D
Entries 89
Mean 0.7945
Std Dev 4.069

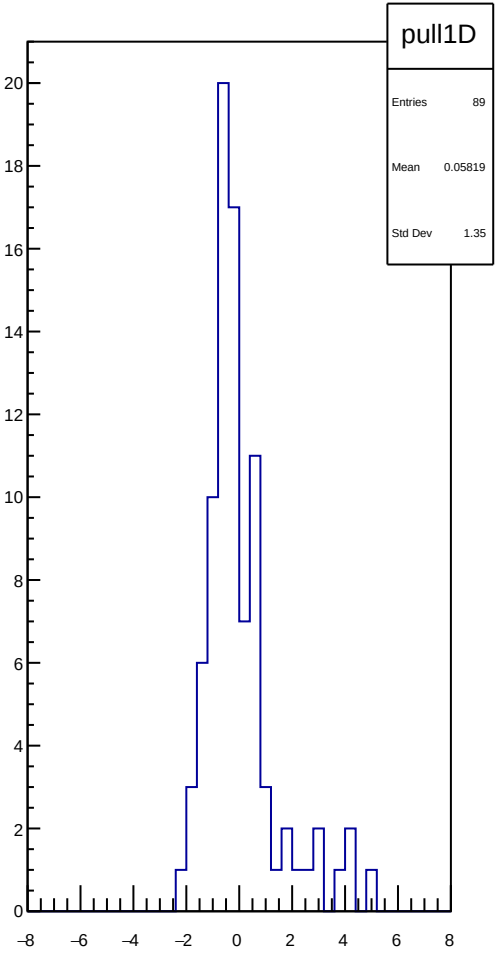

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 289.2 / 88
p0 −0.07849 ± 0.005021
pull
Entries 89
Mean −41.02
Std Dev 88.24

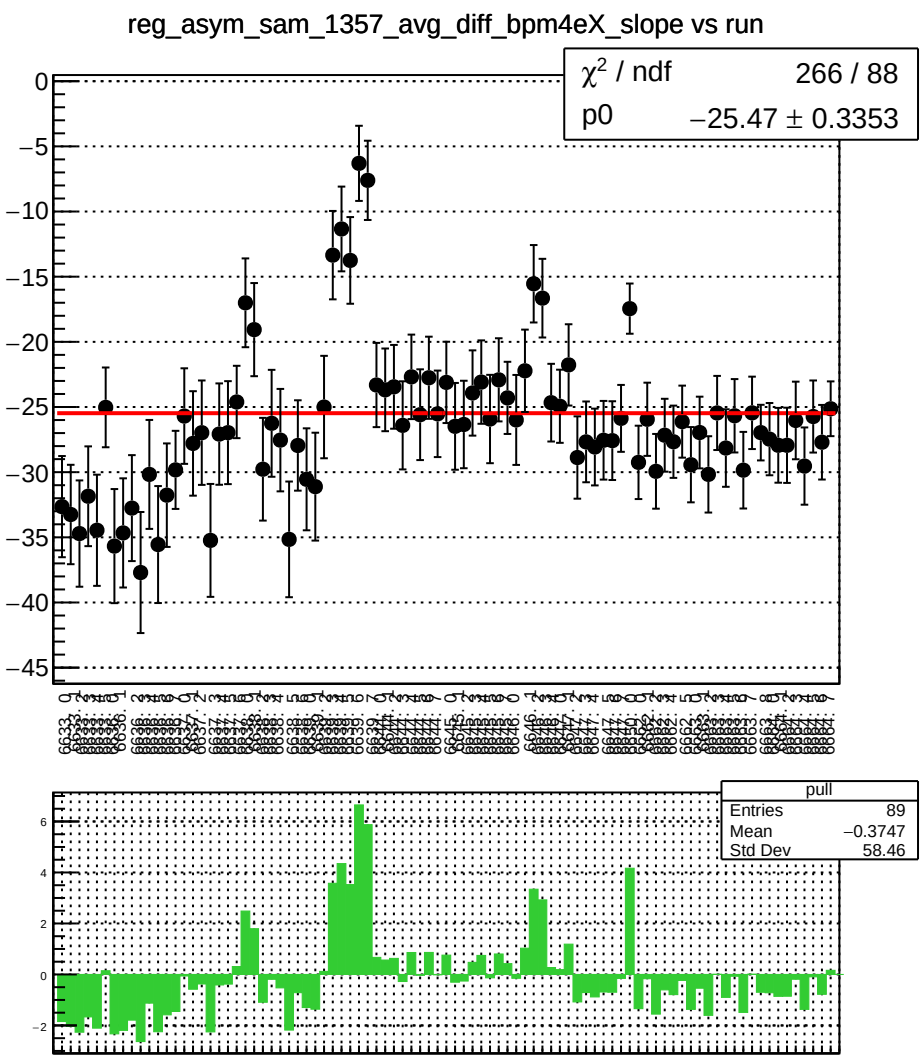

pull1D
Entries 89
Mean −0.3991
Std Dev 1.758

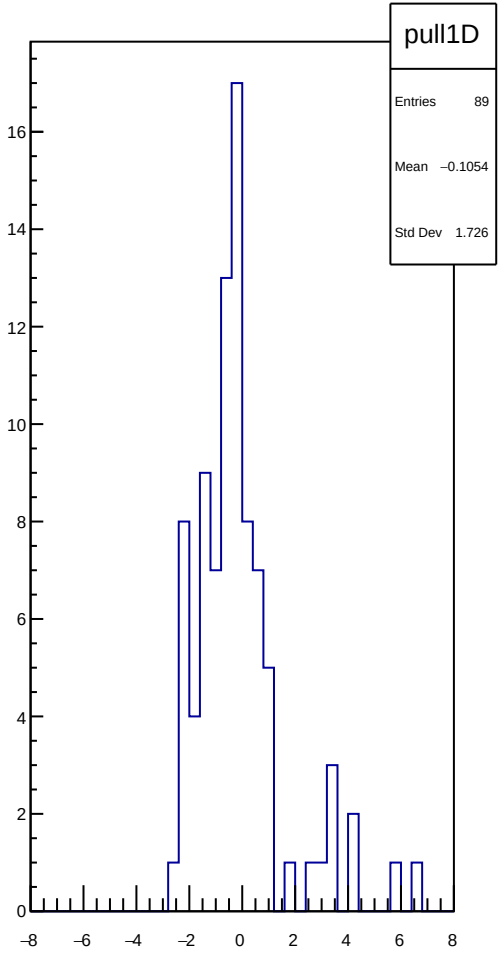

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 638.6 / 88
p0 −6.361 ± 0.3129
0
−10
−20
−30
−40
pull
Entries 89
Mean −222.9
Std Dev 271.4
2
0
−2
−4
−6
−8
−10

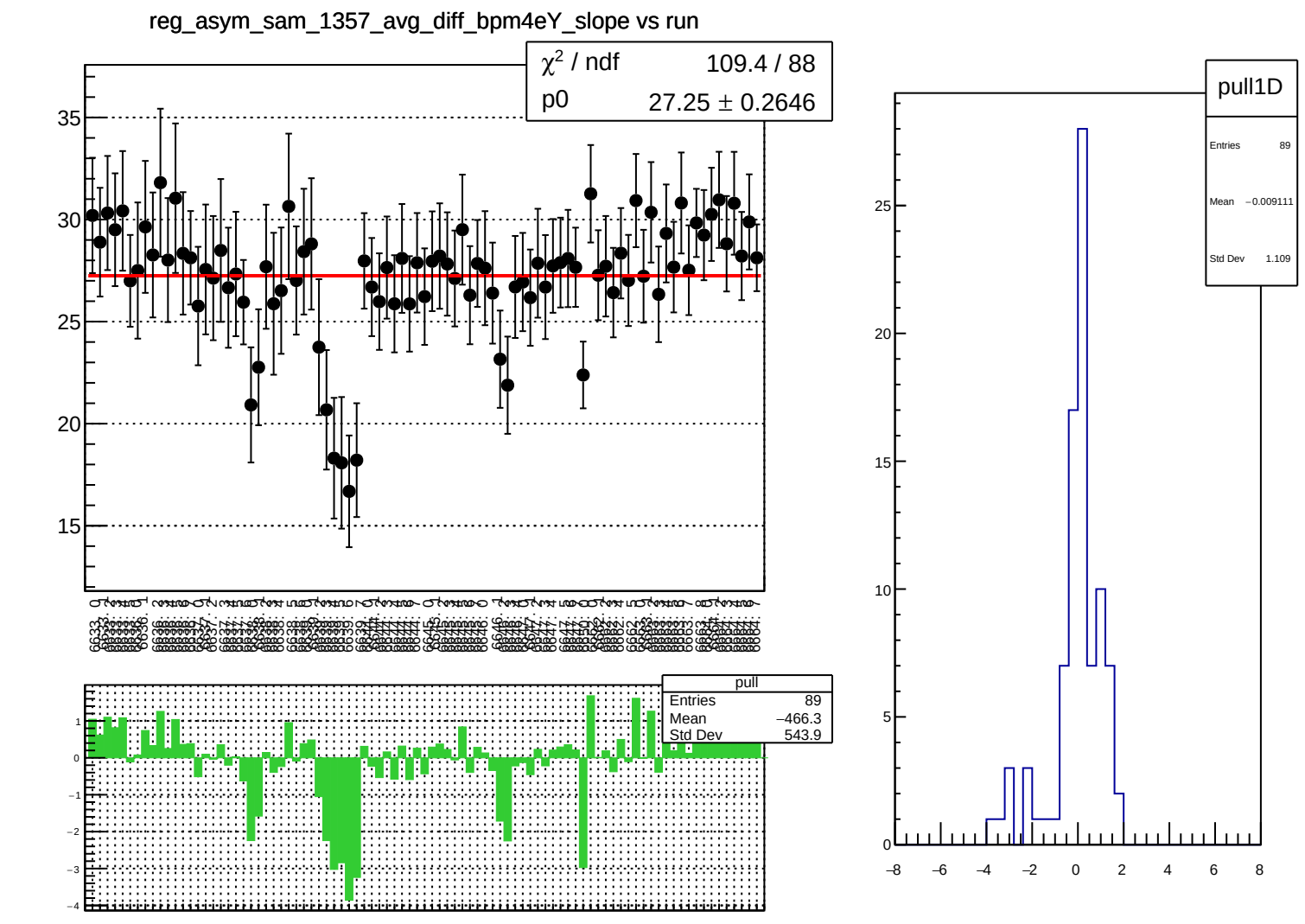

pull1D
Entries 89
Mean 0.0897
Std Dev 2.248
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

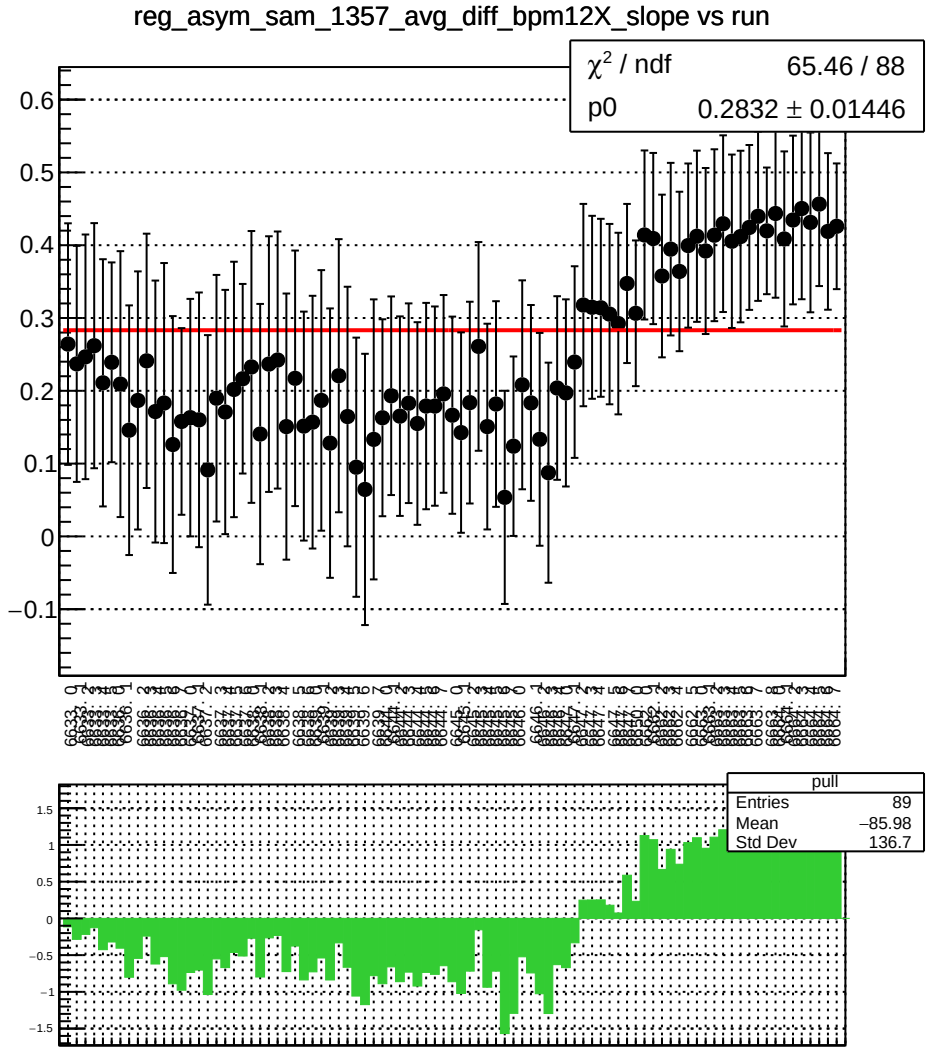

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 162.4 / 88
p0 1.749 ± 0.2234
pull
Entries 89
Mean −210.6
Std Dev 262.8

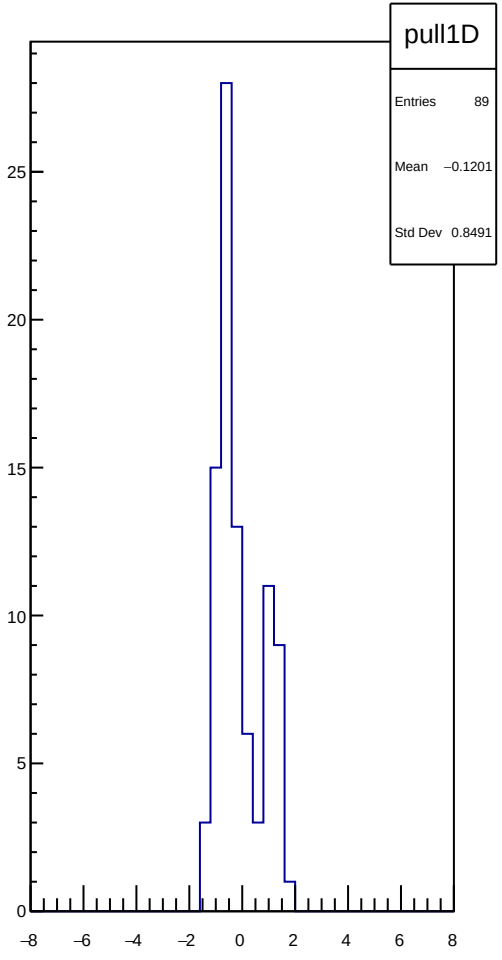

pull1D
Entries 89
Mean 0.05819
Std Dev 1.35

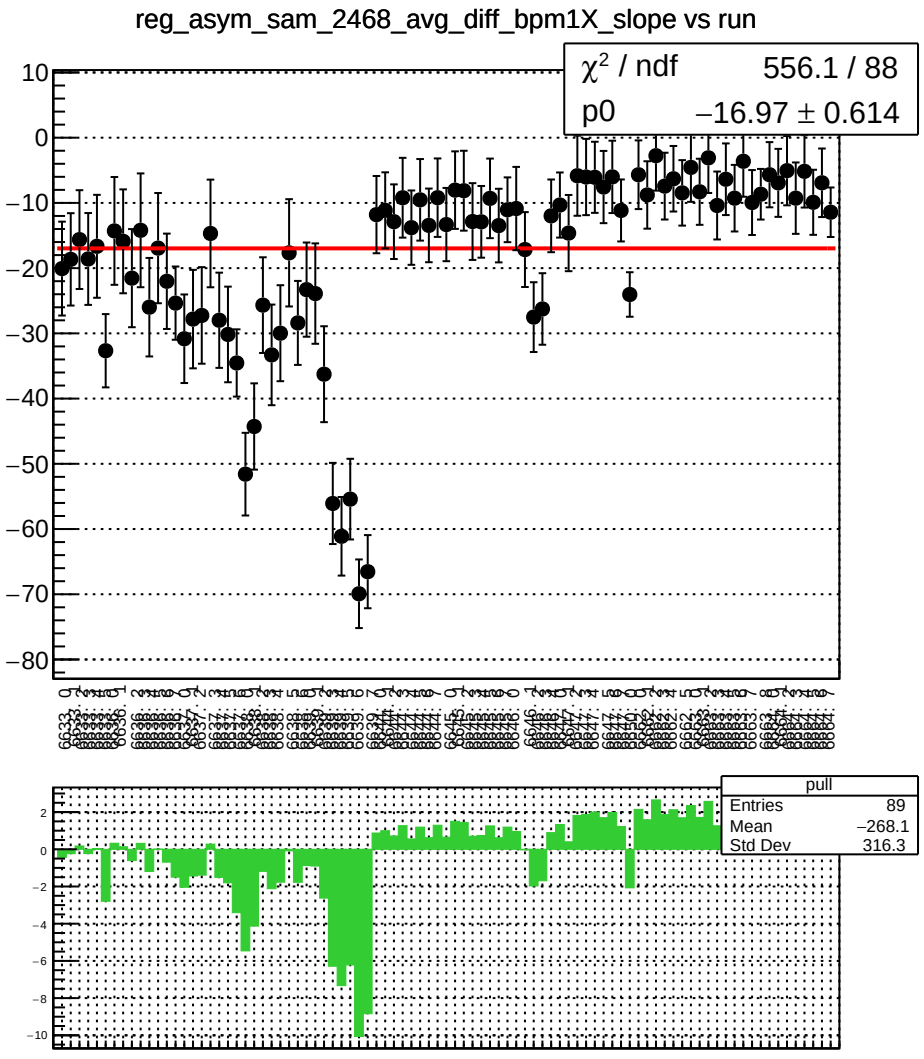

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 266 / 88
p0 −25.47 ± 0.3353
pull
Entries 89
Mean −0.3747
Std Dev 58.46

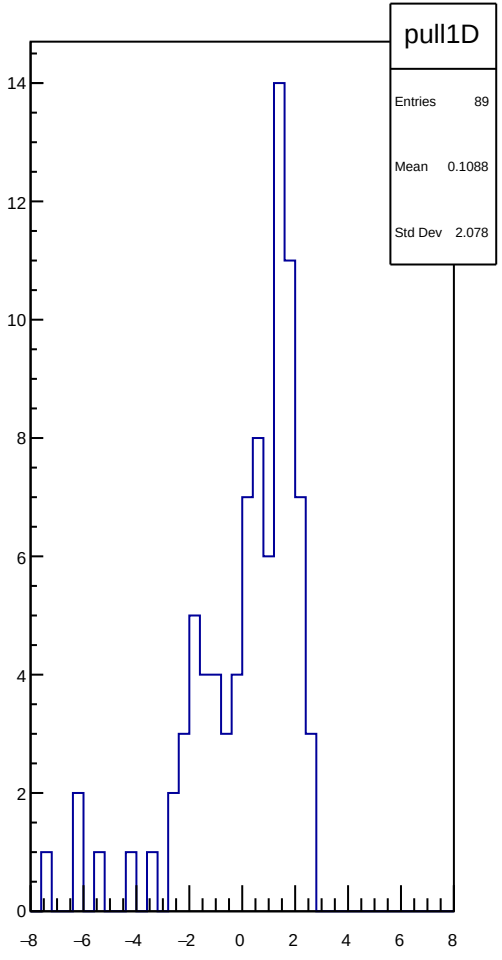

pull1D
Entries 89
Mean −0.1054
Std Dev 1.726

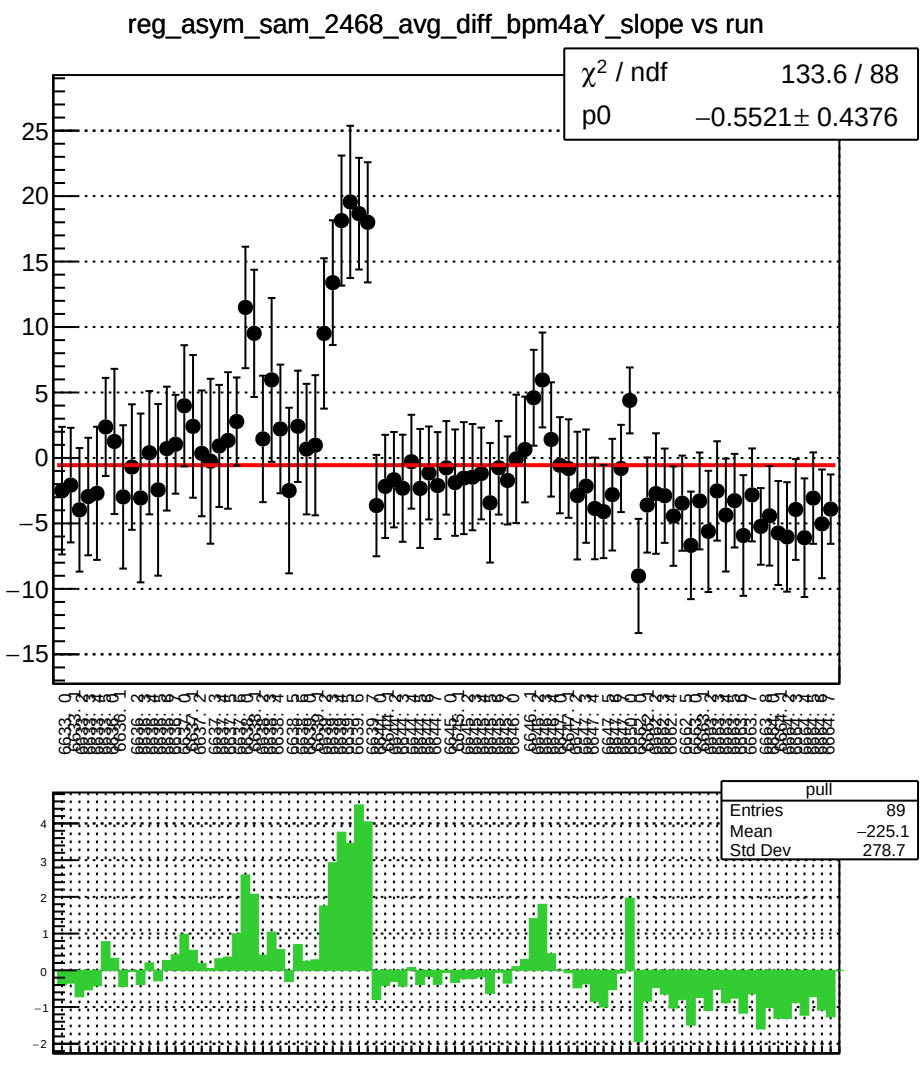

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 109.4 / 88
p0 27.25 ± 0.2646
pull
Entries 89
Mean −466.3
Std Dev 543.9
pull1D
Entries 89
Mean −0.009111
Std Dev 1.109

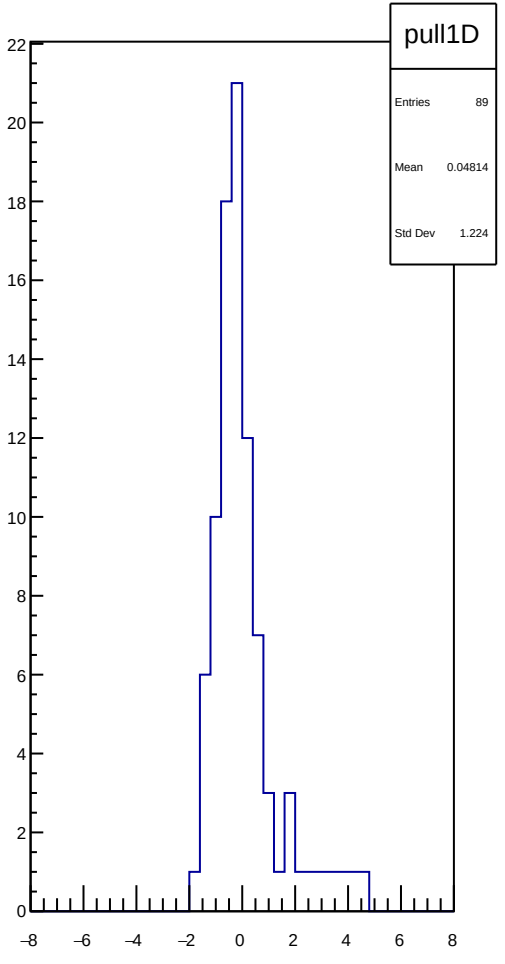

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 65.46 / 88
p0 0.2832 ± 0.01446
pull
Entries 89
Mean −85.98
Std Dev 136.7

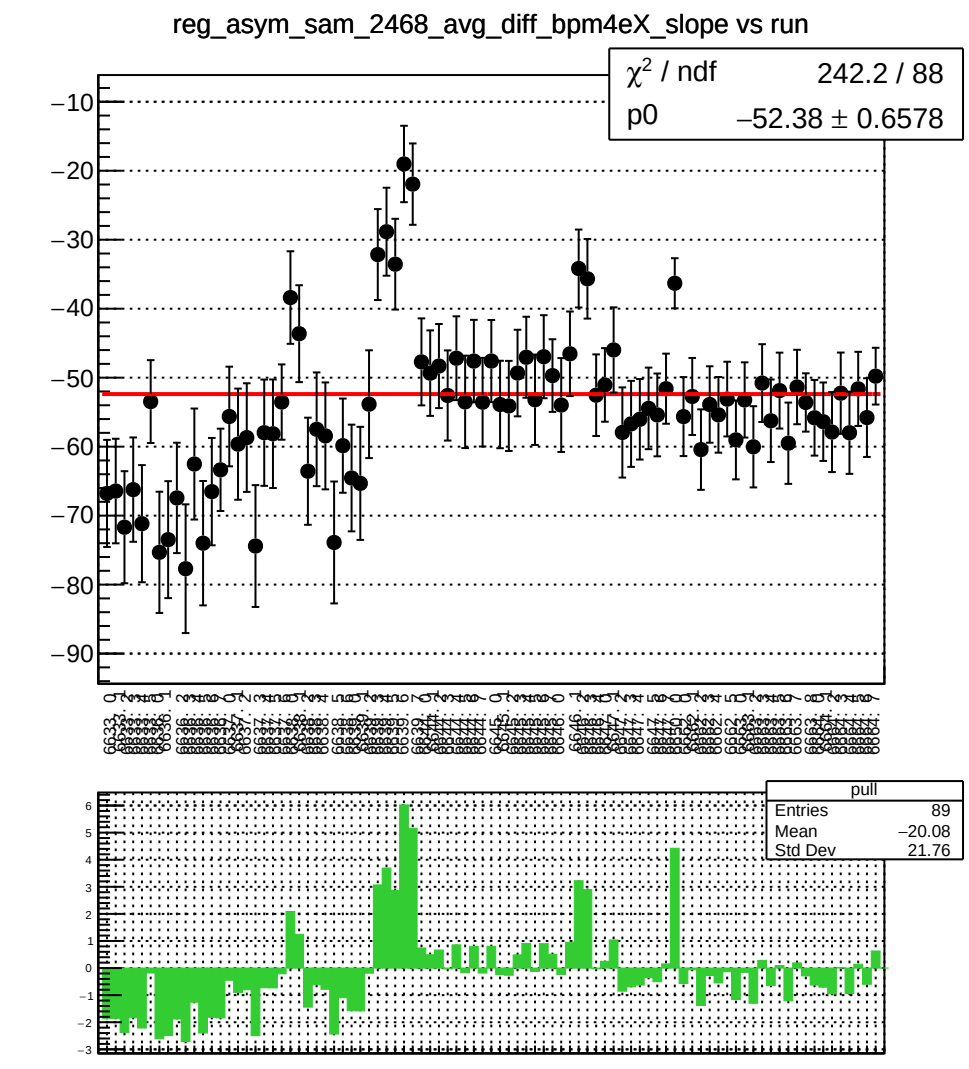

pull1D
Entries 89
Mean −0.1201
Std Dev 0.8491

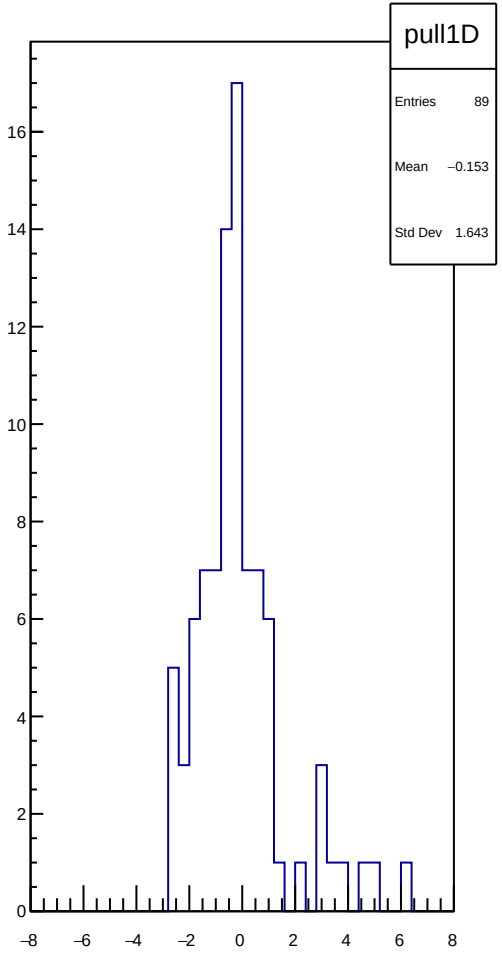

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 556.1 / 88
p0 −16.97 ± 0.614
pull
Entries 89
Mean −268.1
Std Dev 316.3

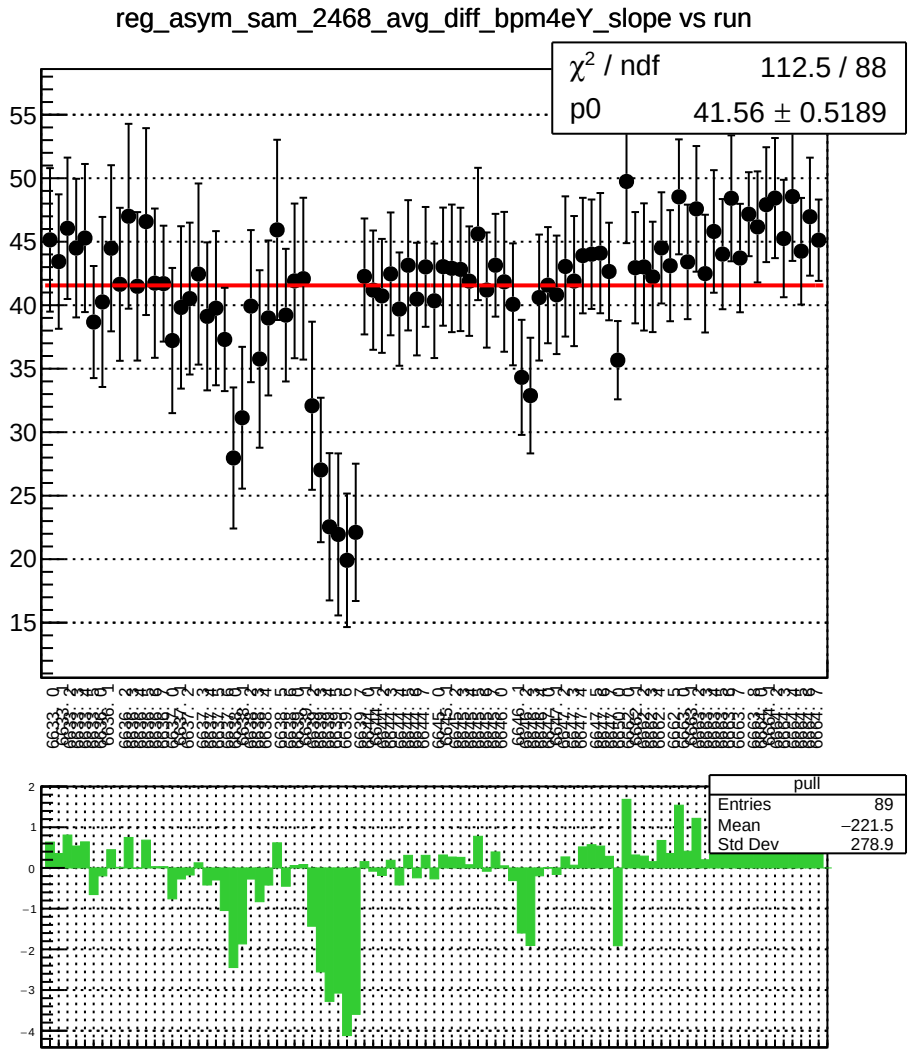

pull1D
Entries 89
Mean 0.1088
Std Dev 2.078

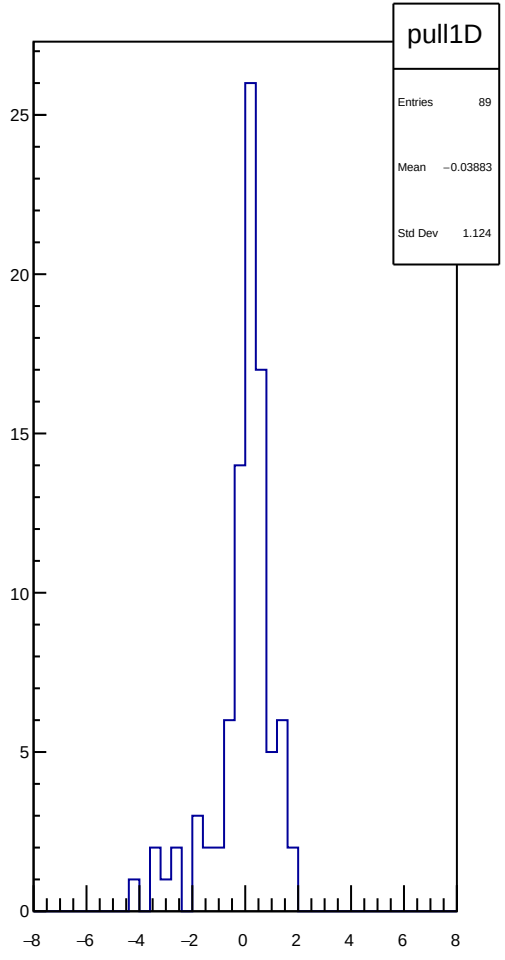

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 133.6 / 88
p0 −0.5521± 0.4376
pull
Entries 89
Mean −225.1
Std Dev 278.7

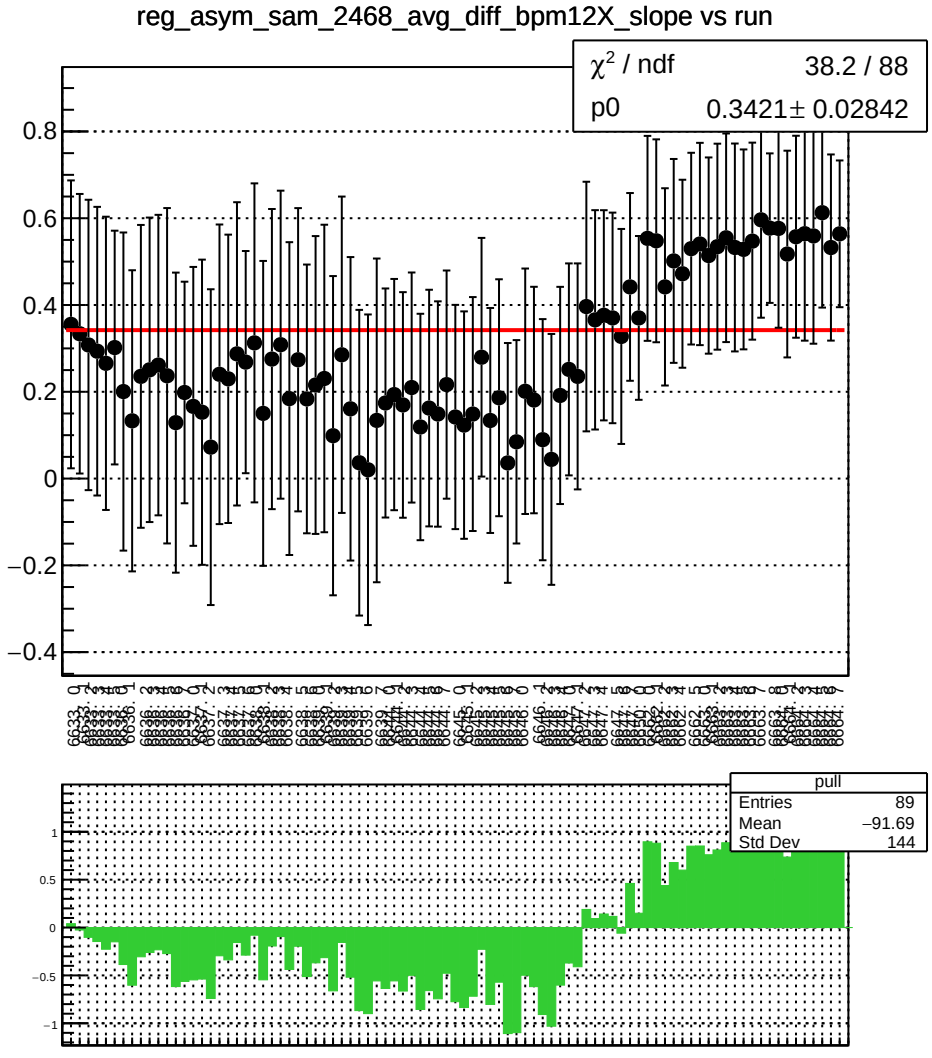

pull1D
Entries 89
Mean 0.04814
Std Dev 1.224

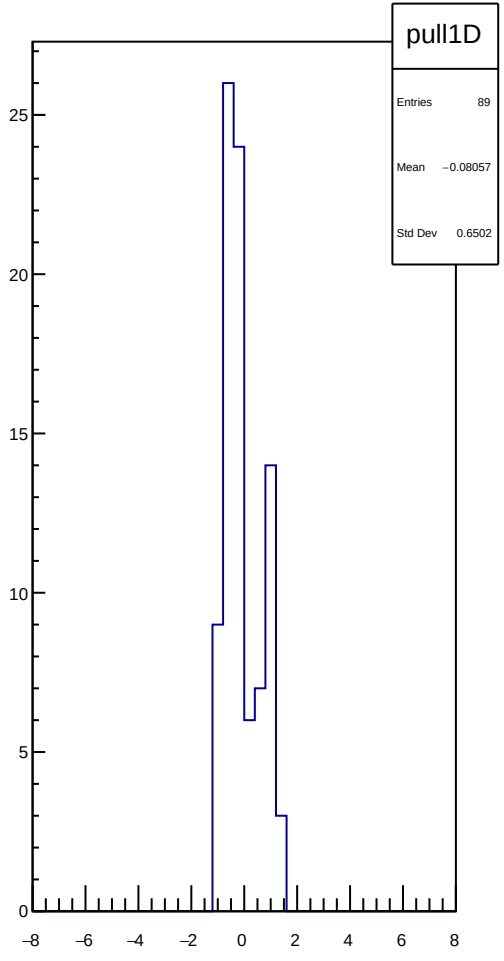

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 242.2 / 88
p0 −52.38 ± 0.6578
pull
Entries 89
Mean −20.08
Std Dev 21.76

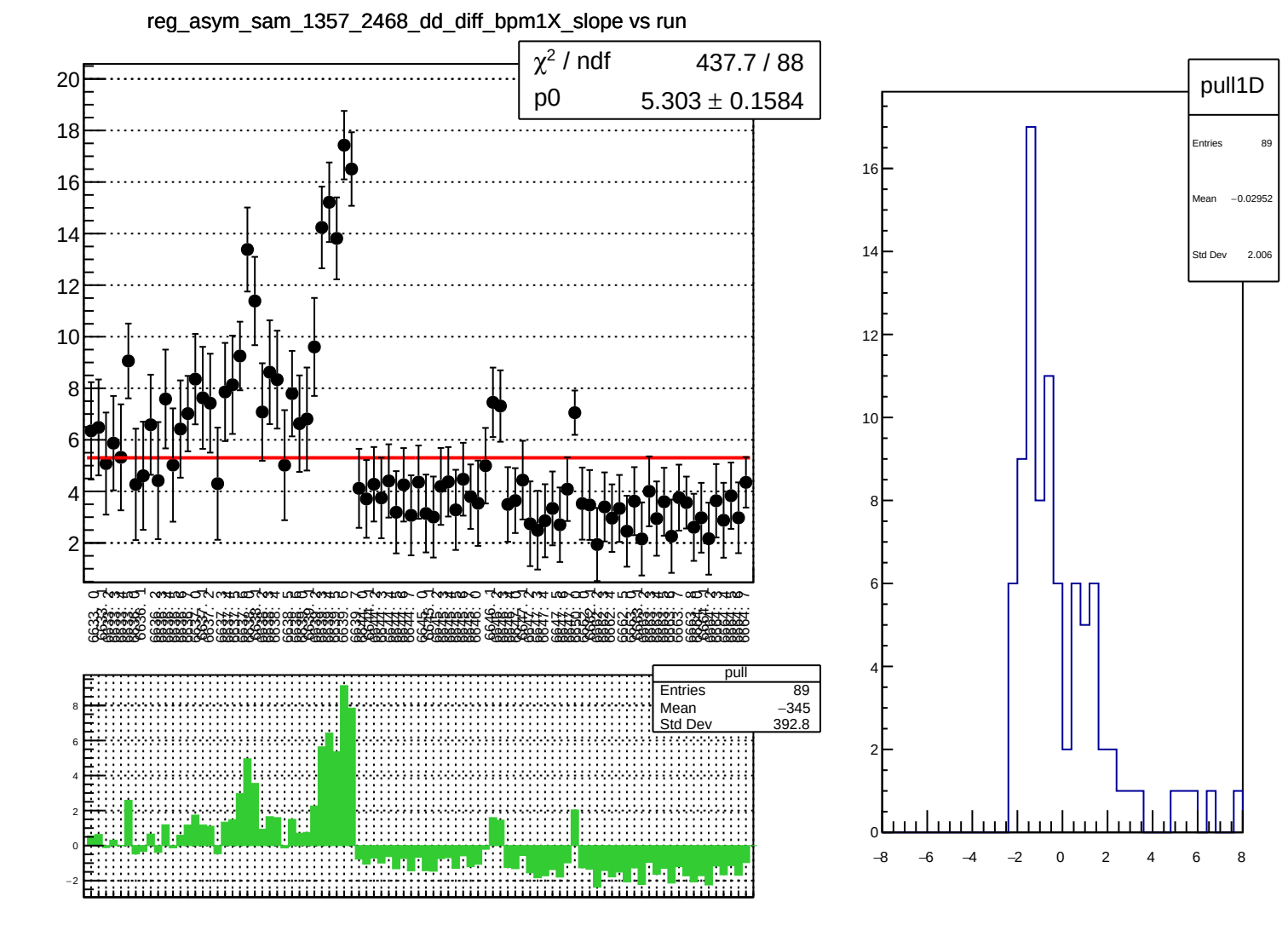

pull1D
Entries 89
Mean −0.153
Std Dev 1.643

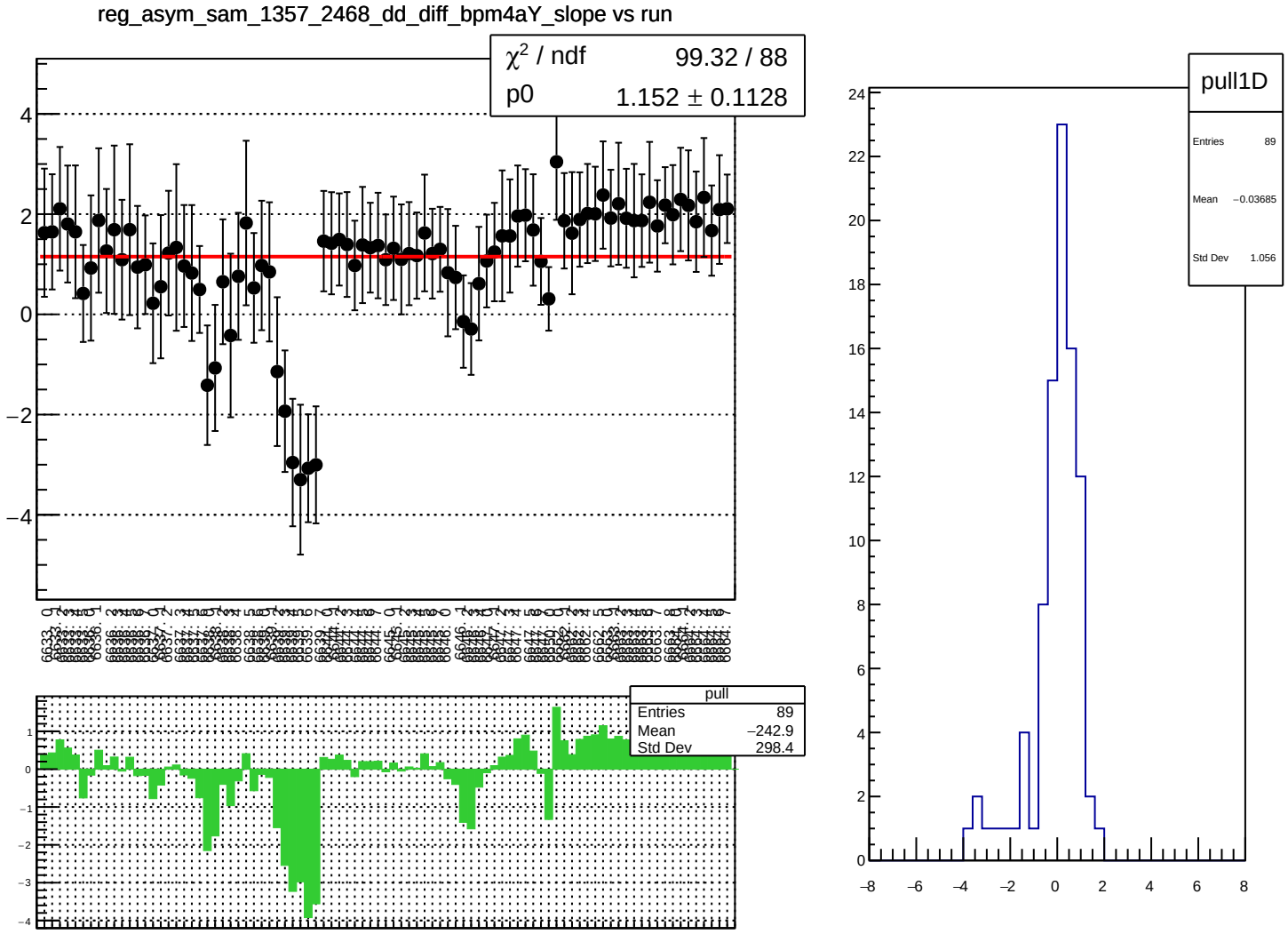

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 112.5 / 88
p0 41.56 ± 0.5189
pull
Entries 89
Mean −221.5
Std Dev 278.9

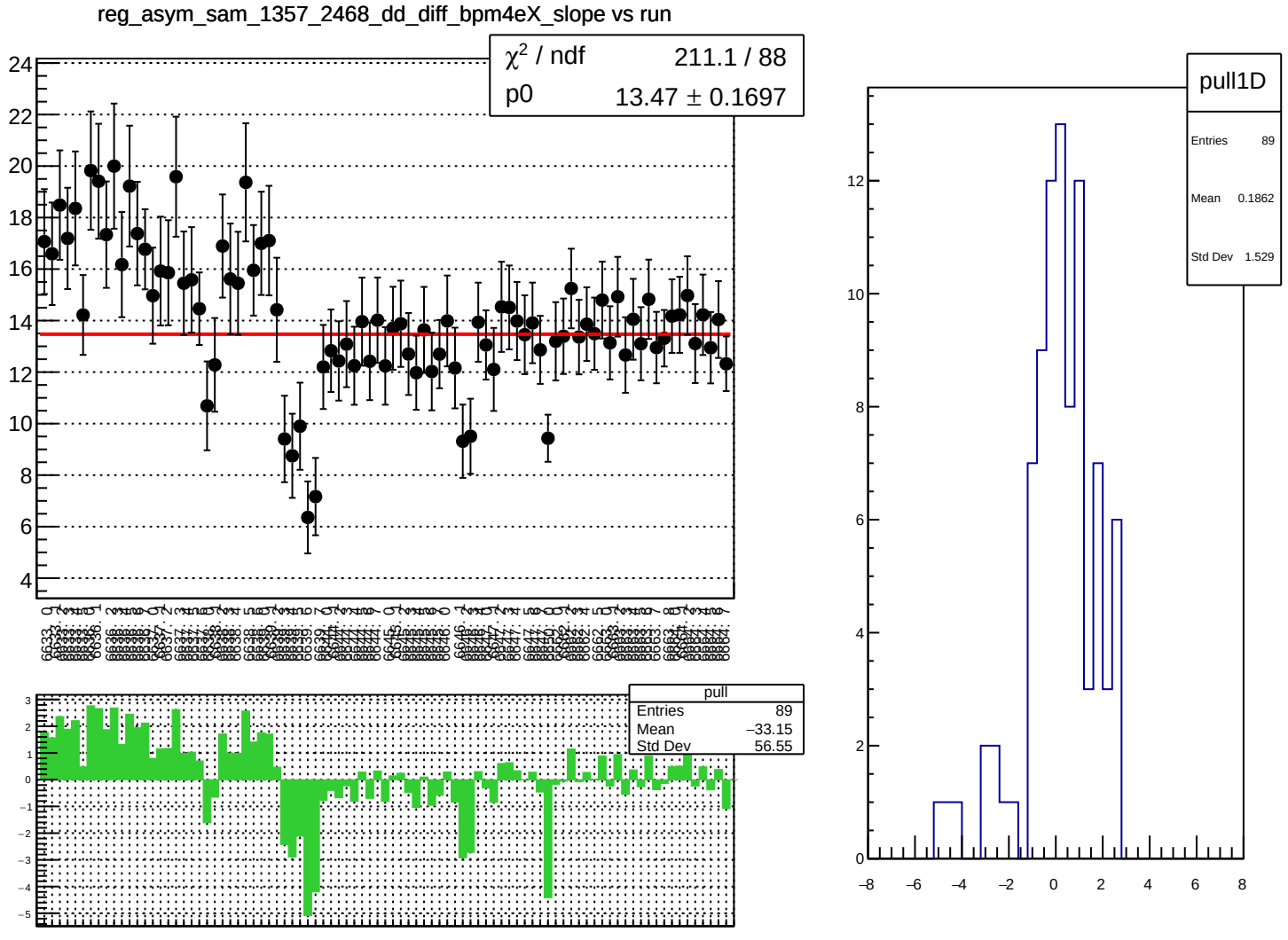

pull1D
Entries 89
Mean −0.03883
Std Dev 1.124

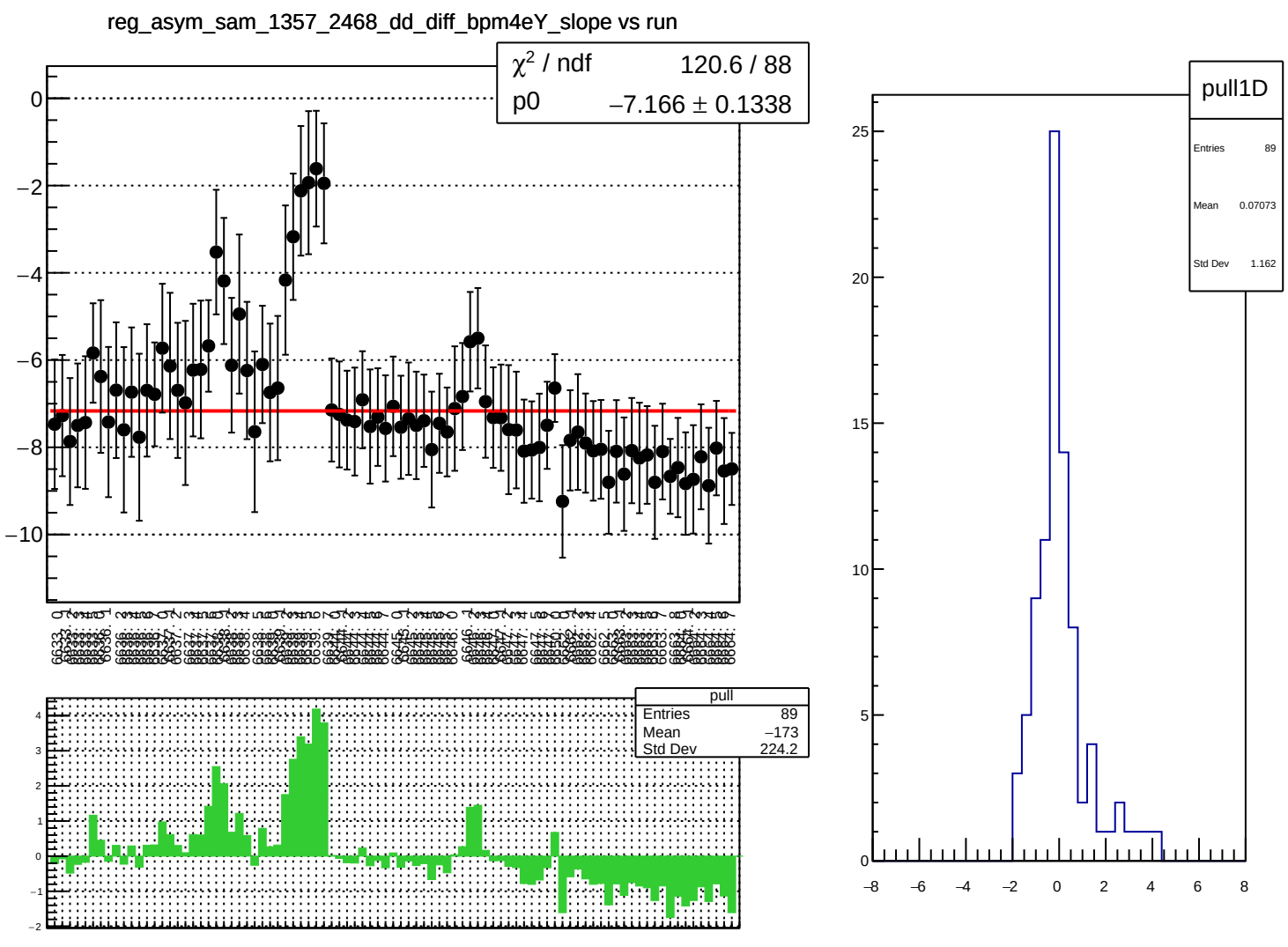

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 38.2 / 88
p0 0.3421± 0.02842
pull
Entries 89
Mean −91.69
Std Dev 144

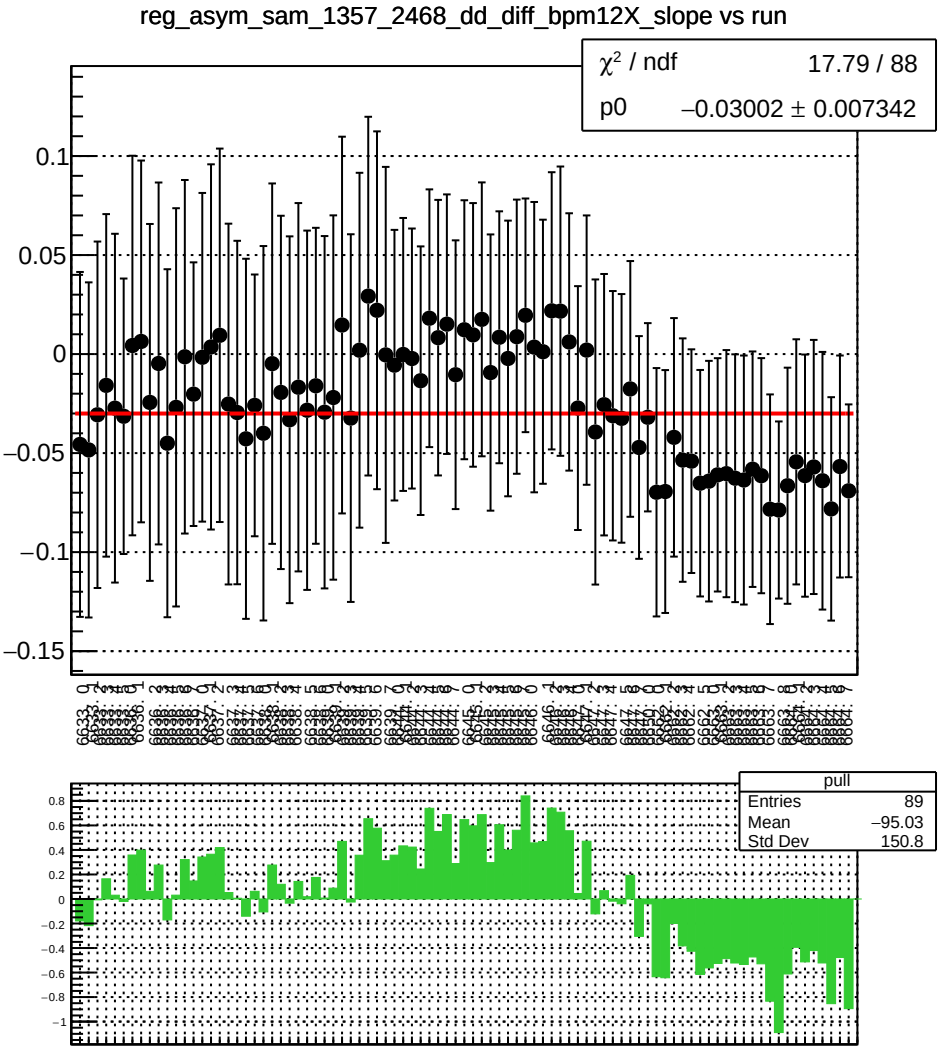

pull1D
Entries 89
Mean −0.08057
Std Dev 0.6502

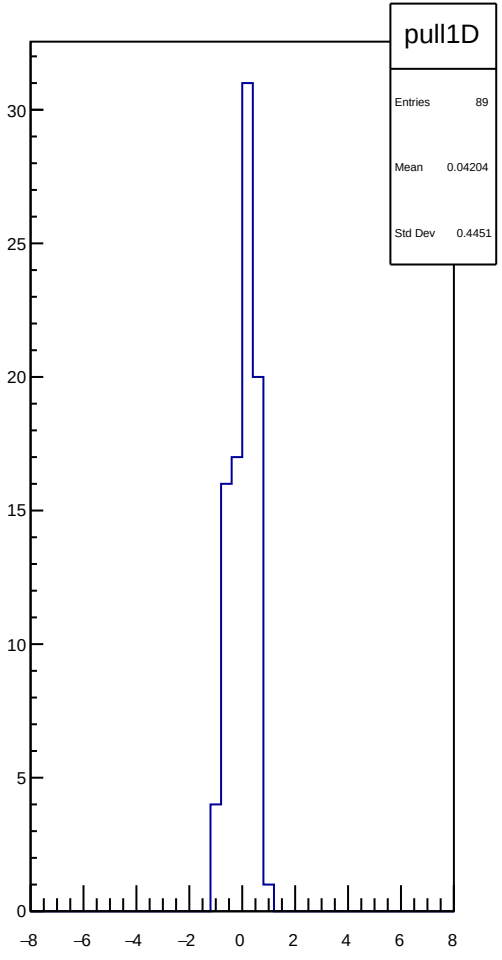

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 437.7 / 88
p0 5.303 ± 0.1584
pull
Entries 89
Mean −345
Std Dev 392.8
pull1D
Entries 89
Mean −0.02952
Std Dev 2.006

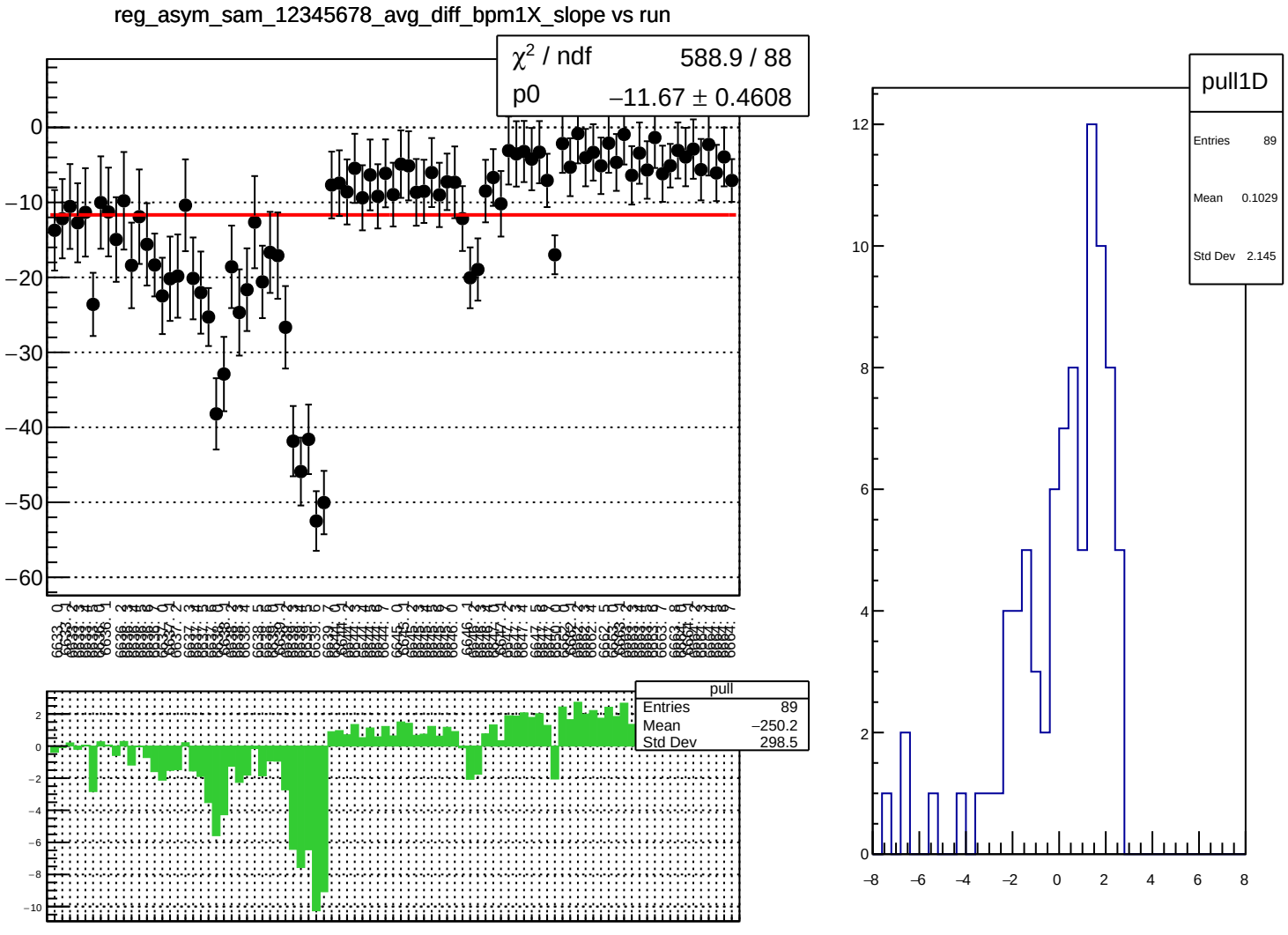

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 99.32 / 88
p0 1.152 ± 0.1128
pull
Entries 89
Mean −242.9
Std Dev 298.4
pull1D
Entries 89
Mean −0.03685
Std Dev 1.056

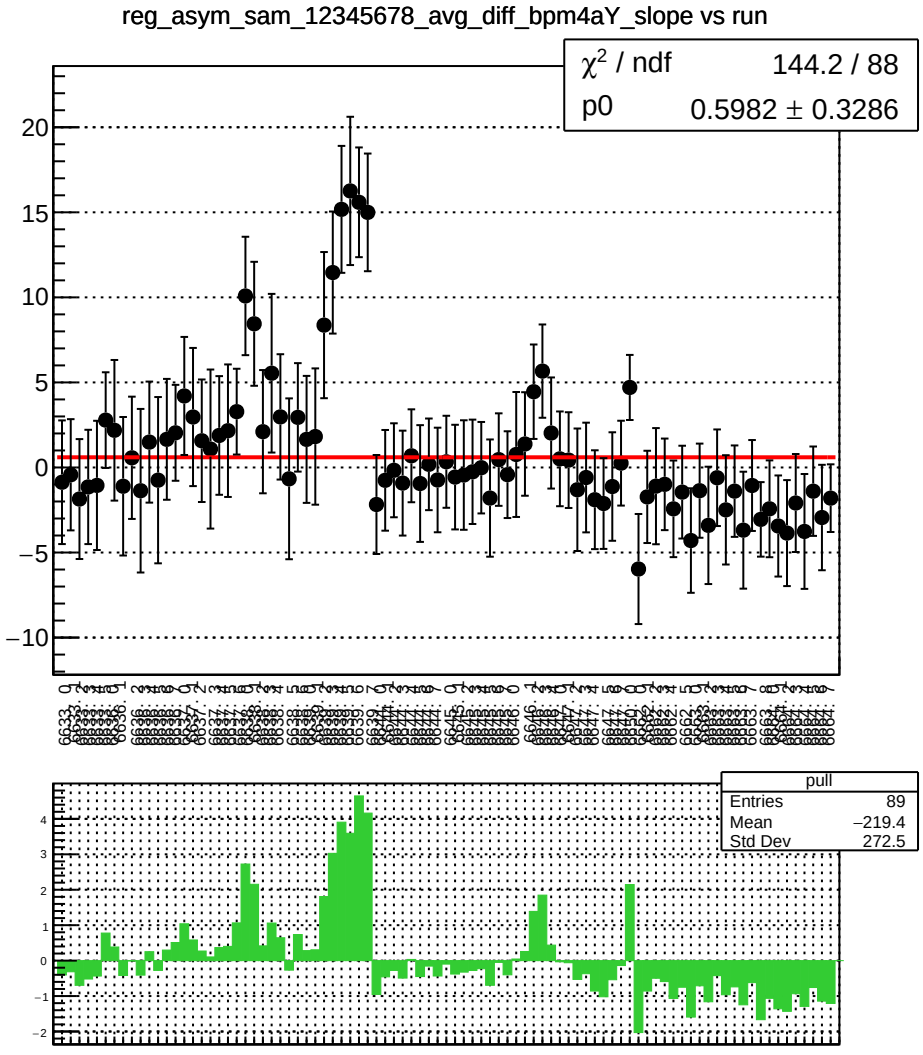

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 211.1 / 88
p0 13.47 ± 0.1697
pull
Entries 89
Mean −33.15
Std Dev 56.55
pull1D
Entries 89
Mean 0.1862
Std Dev 1.529

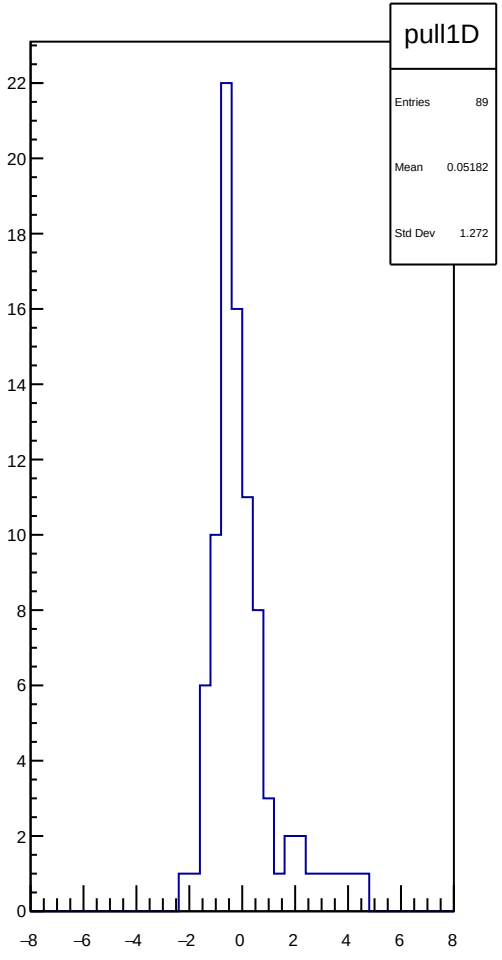

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 120.6 / 88
p0 −7.166 ± 0.1338
pull
Entries 89
Mean −173
Std Dev 224.2
pull1D
Entries 89
Mean 0.07073
Std Dev 1.162

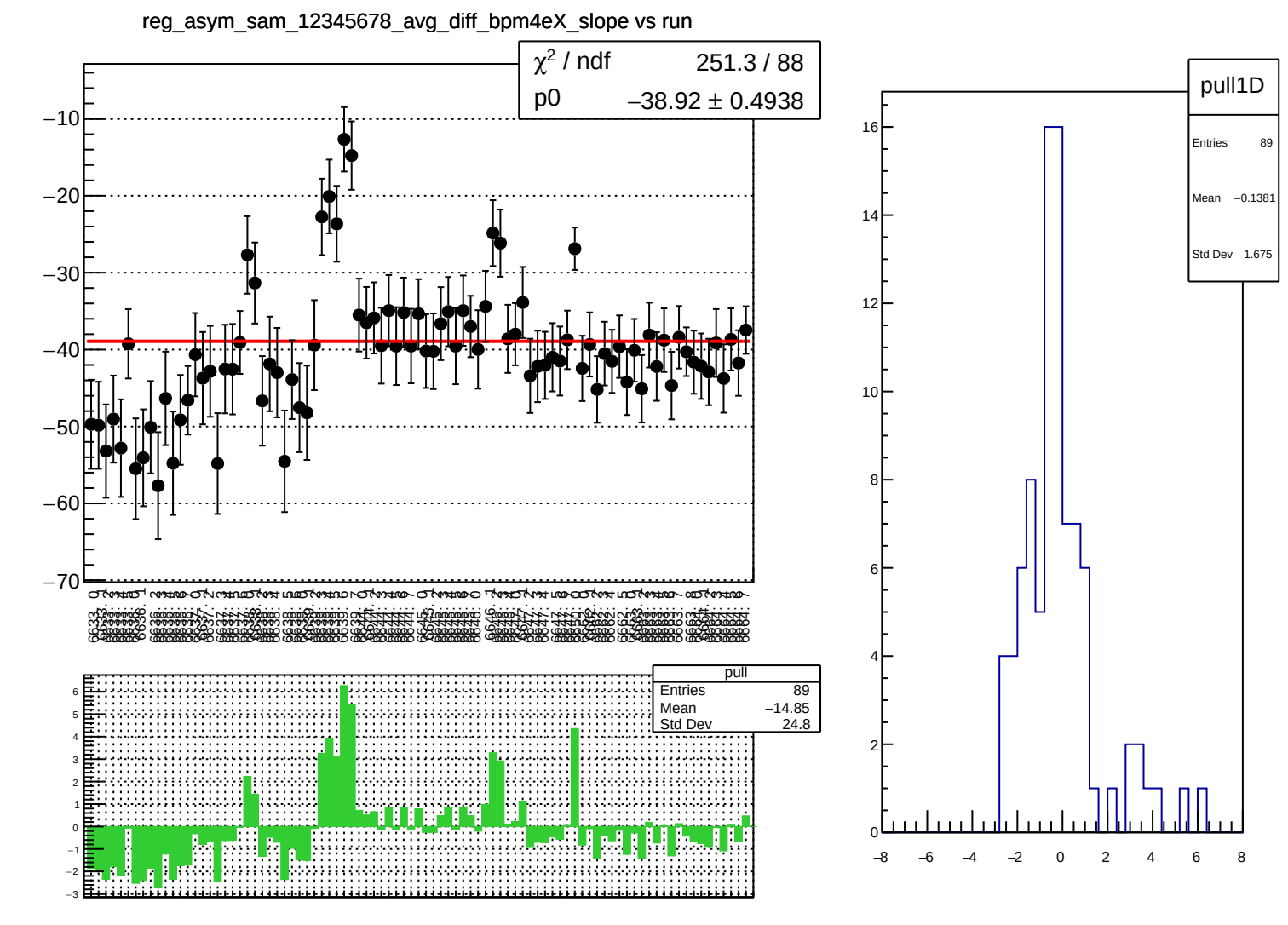

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 17.79 / 88
p0 −0.03002 ± 0.007342
pull
Entries 89
Mean −95.03
Std Dev 150.8

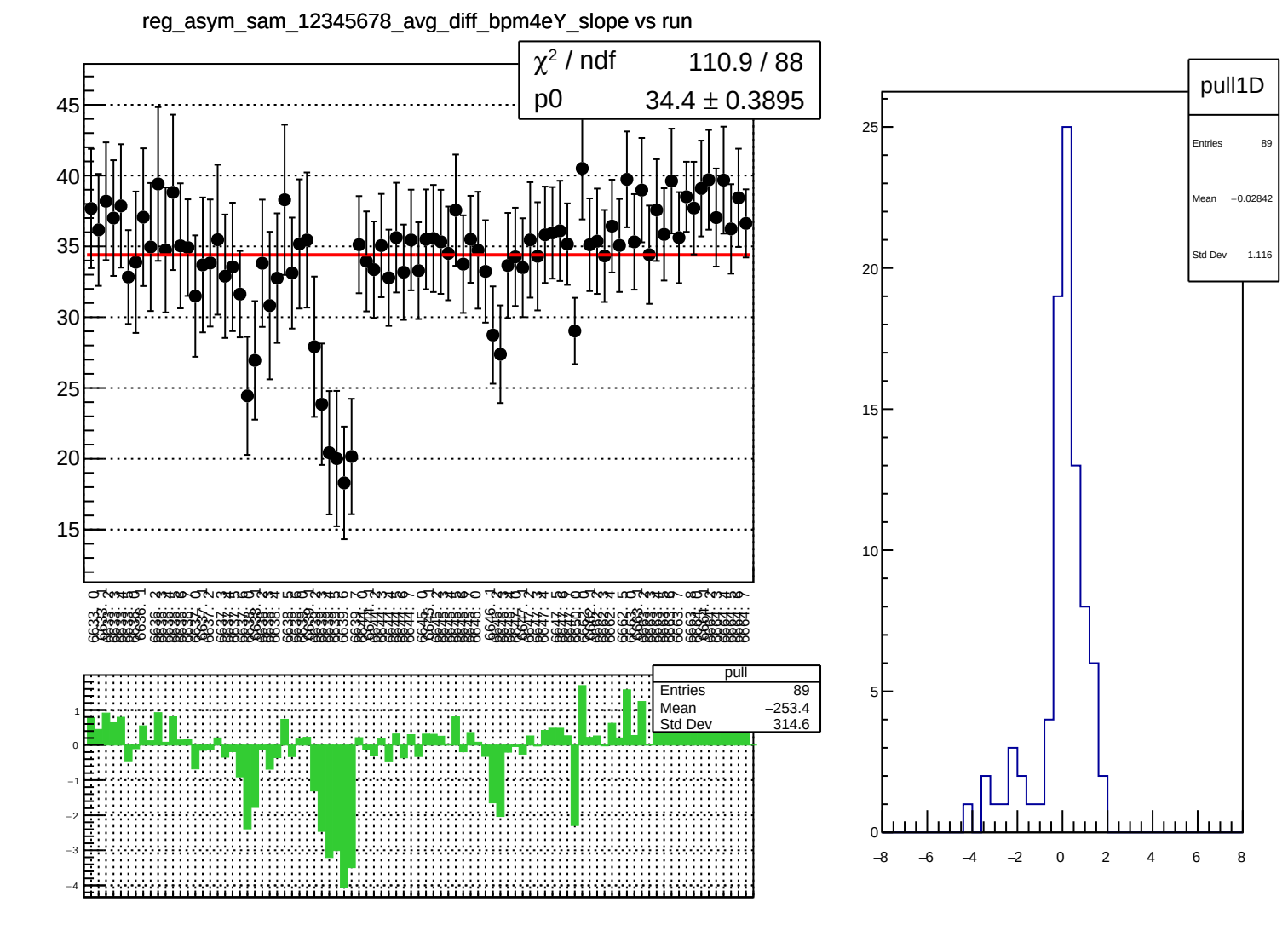

pull1D
Entries 89
Mean 0.04204
Std Dev 0.4451

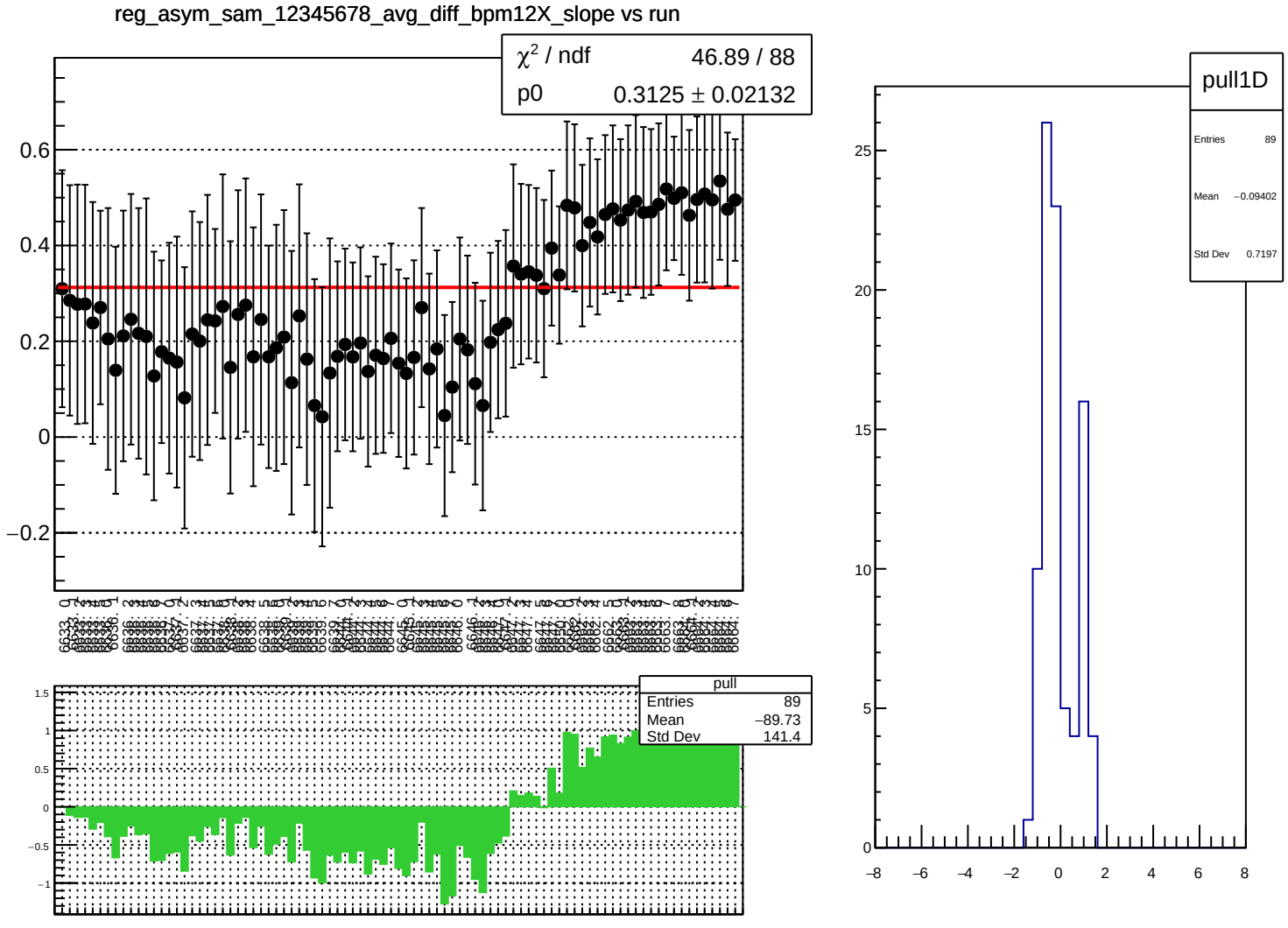

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 588.9 / 88
p0 −11.67 ± 0.4608
pull
Entries 89
Mean −250.2
Std Dev 298.5
pull1D
Entries 89
Mean 0.1029
Std Dev 2.145

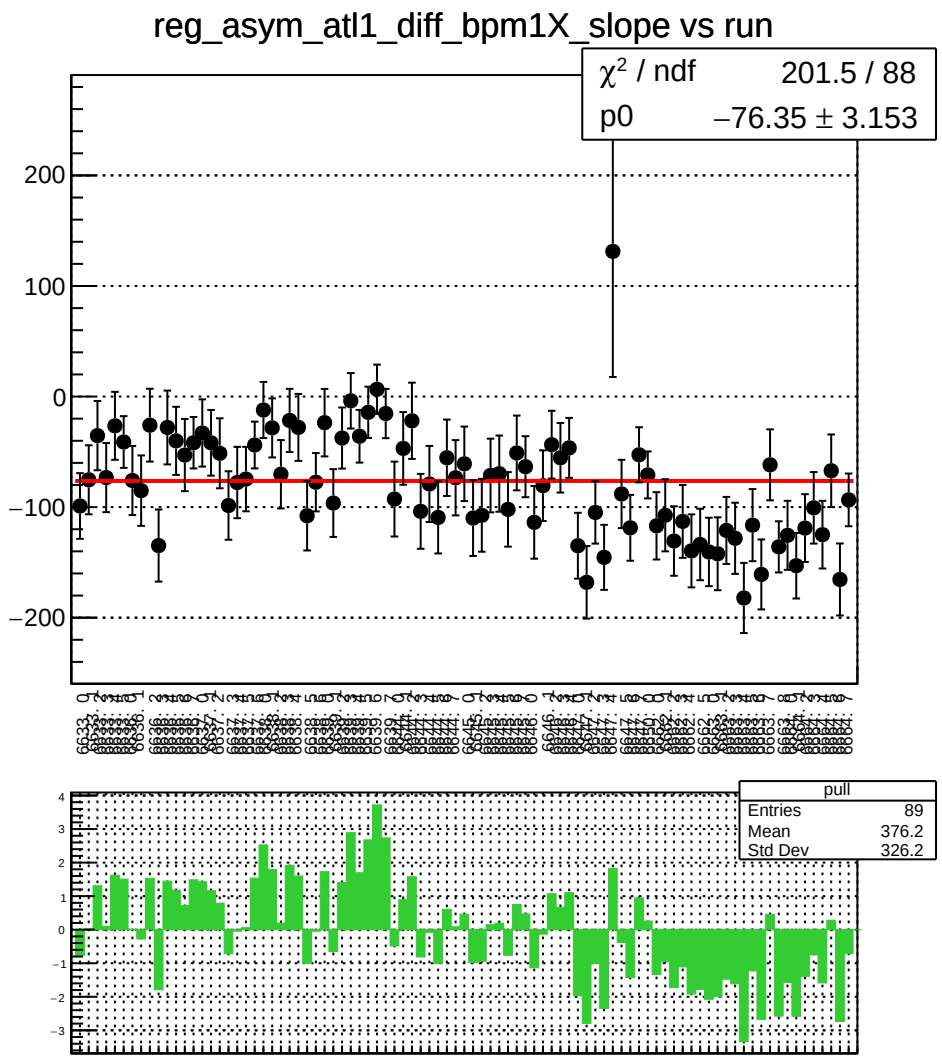

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 144.2 / 88
p0 0.5982 ± 0.3286
pull
Entries 89
Mean −219.4
Std Dev 272.5

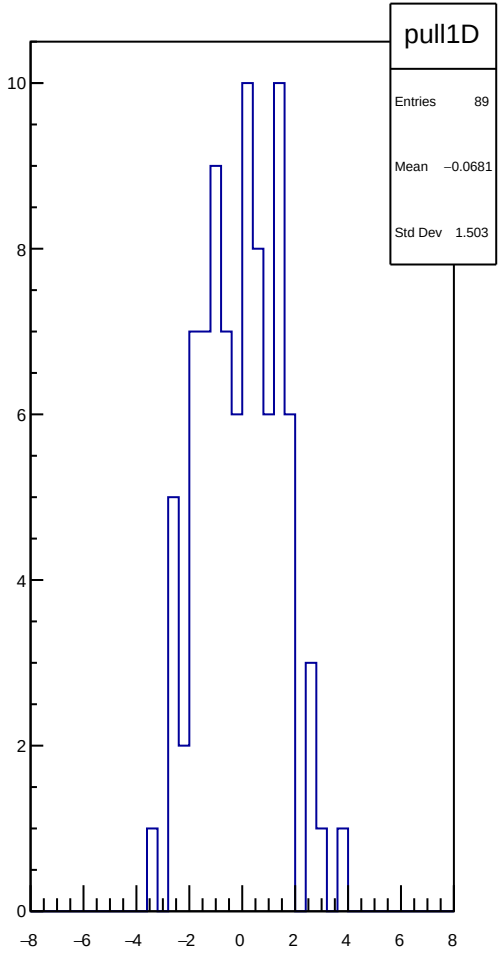

pull1D
Entries 89
Mean 0.05182
Std Dev 1.272

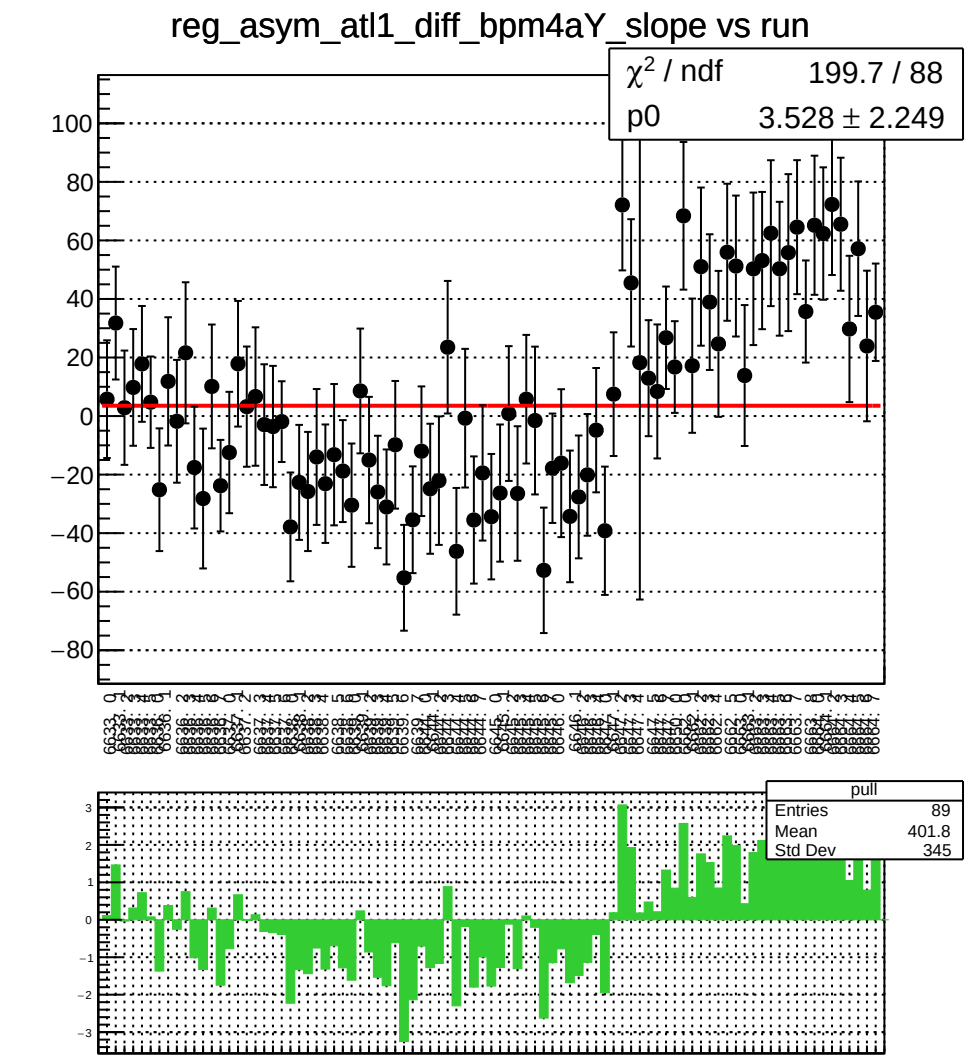

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 251.3 / 88
p0 −38.92 ± 0.4938
pull
Entries 89
Mean −14.85
Std Dev 24.8
pull1D
Entries 89
Mean −0.1381
Std Dev 1.675

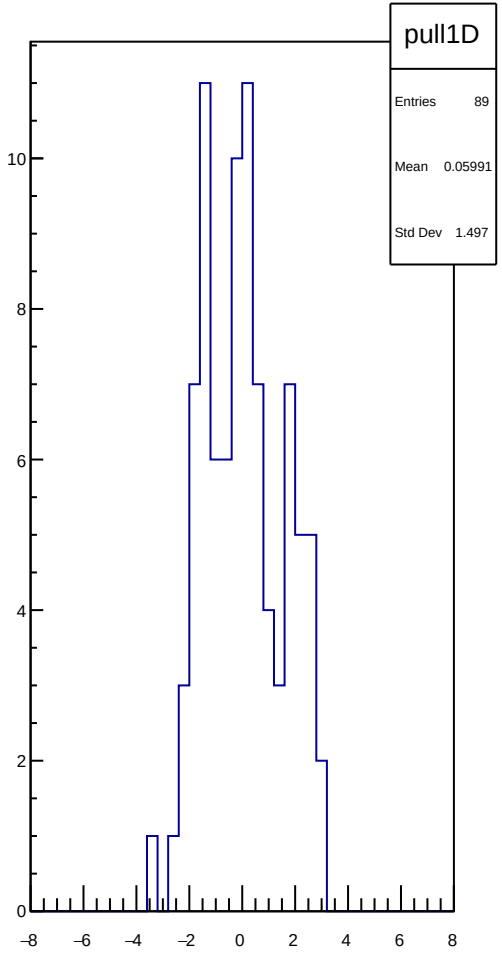

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 110.9 / 88
p0 34.4 ± 0.3895
pull
Entries 89
Mean −253.4
Std Dev 314.6
pull1D
Entries 89
Mean −0.02842
Std Dev 1.116

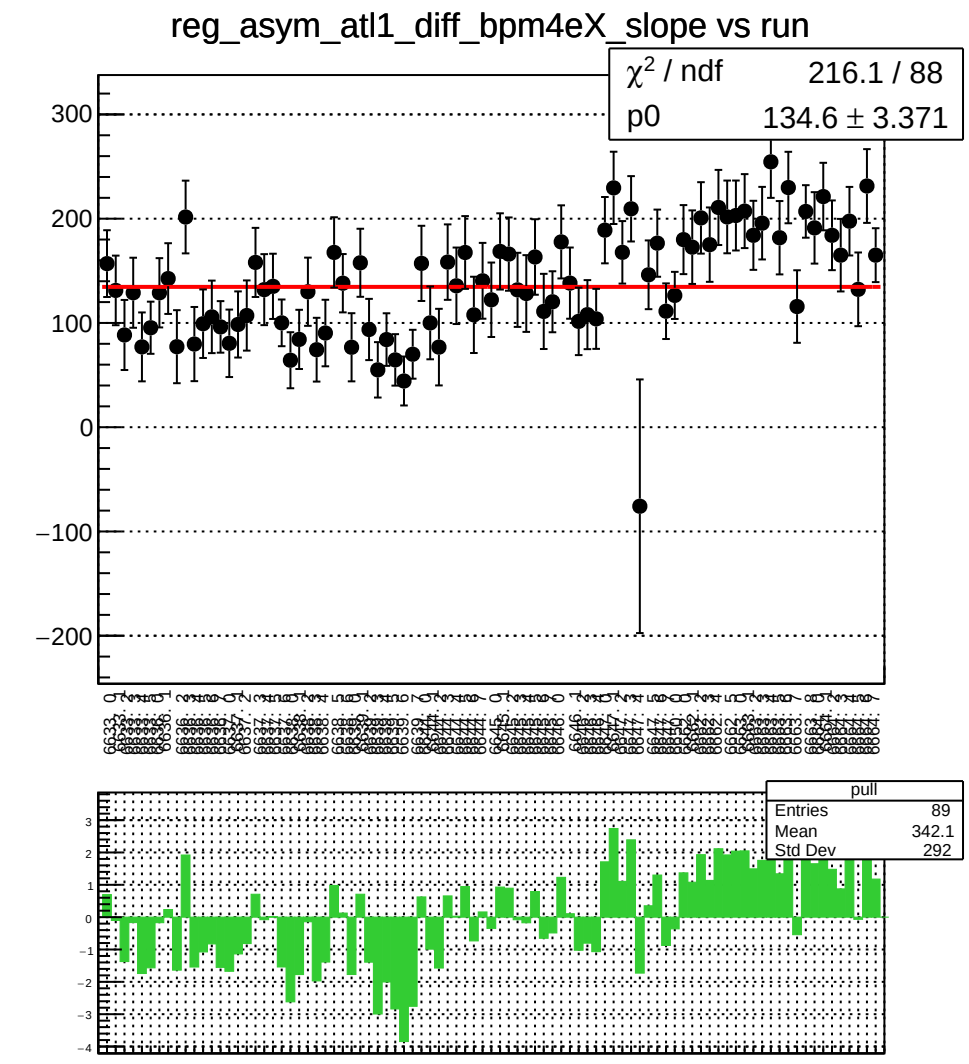

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 46.89 / 88
p0 0.3125 ± 0.02132
pull
Entries 89
Mean −89.73
Std Dev 141.4
pull1D
Entries 89
Mean −0.09402
Std Dev 0.7197

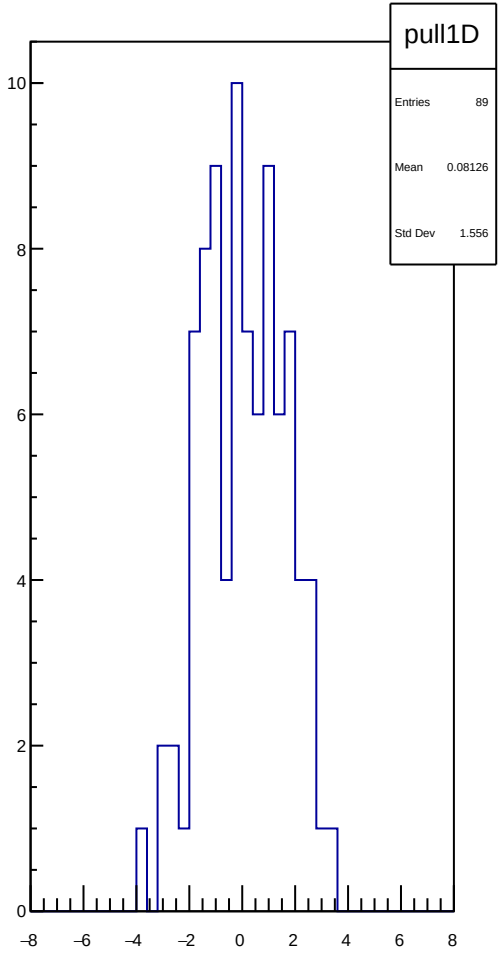

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 201.5 / 88
p0 −76.35 ± 3.153
200
100
0
−100
−200
pull
Entries 89
Mean 376.2
Std Dev 326.2
4
3
2
1
0
−1
−2
−3

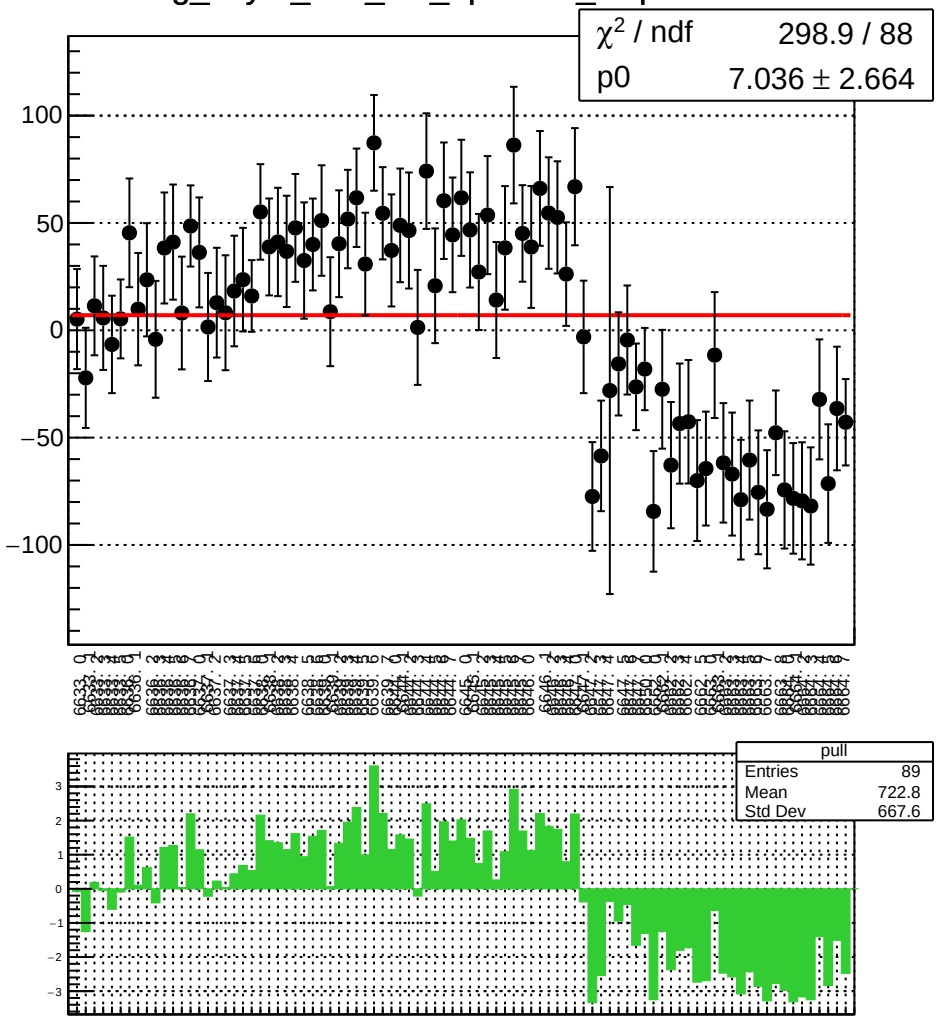

pull1D
Entries 89
Mean −0.0681
Std Dev 1.503
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

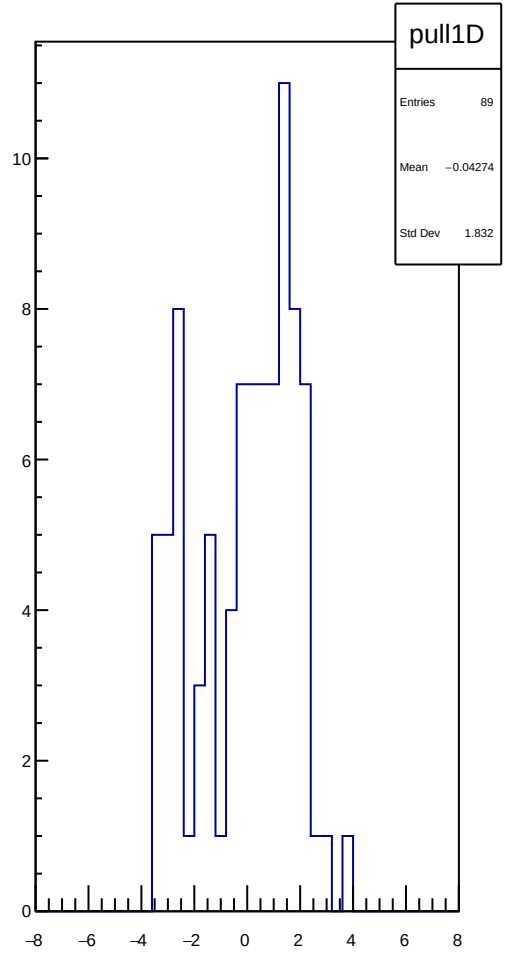

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 199.7 / 88
p0 3.528 ± 2.249
pull
Entries 89
Mean 401.8
Std Dev 345

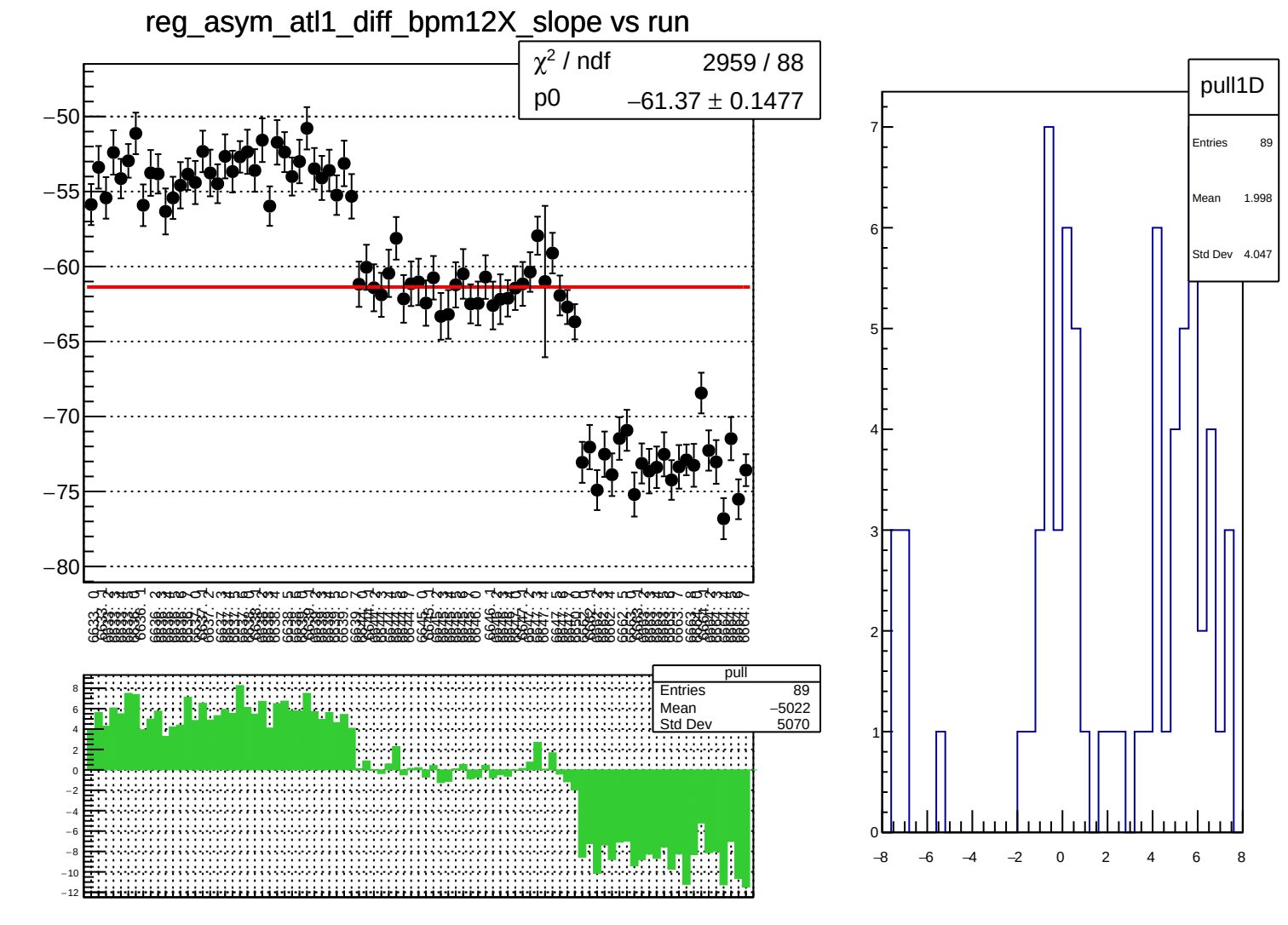

pull1D
Entries 89
Mean 0.05991
Std Dev 1.497

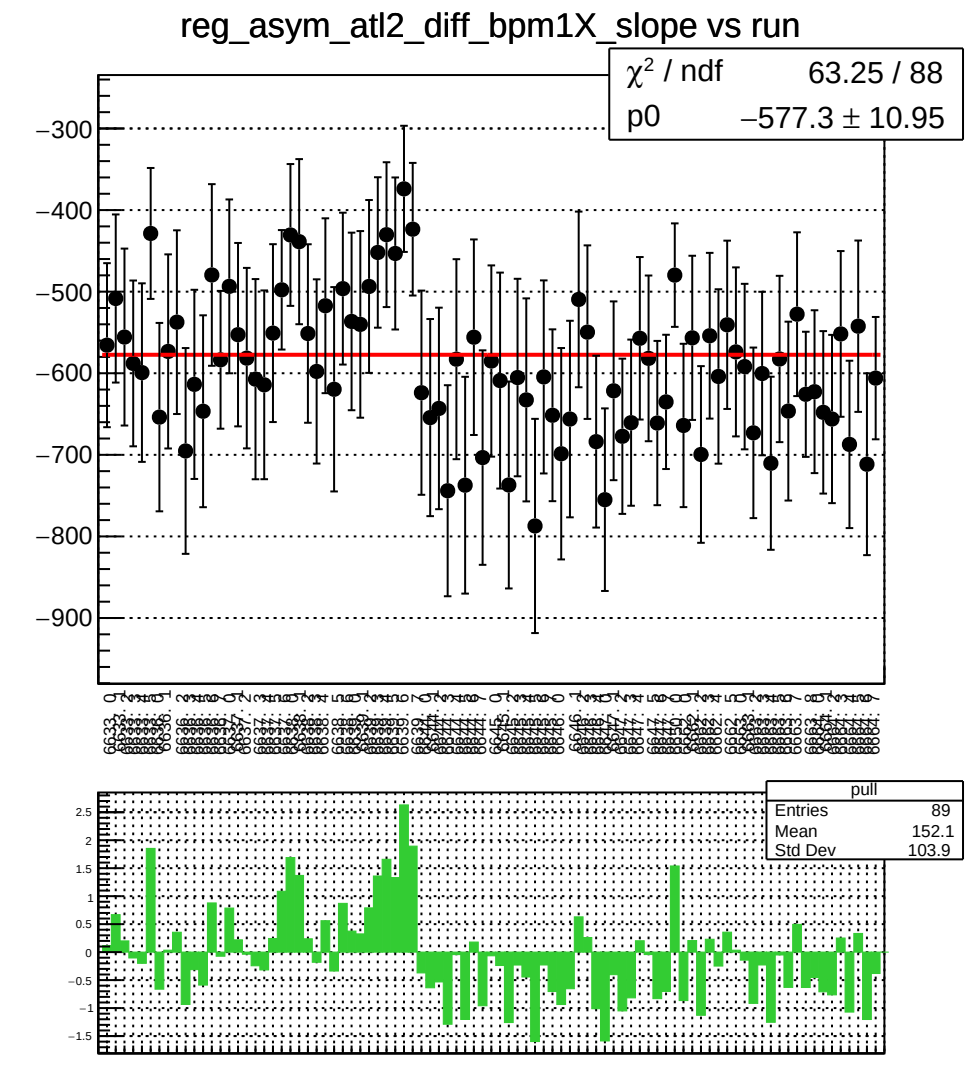

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 216.1 / 88
p0 134.6 ± 3.371
pull
Entries 89
Mean 342.1
Std Dev 292

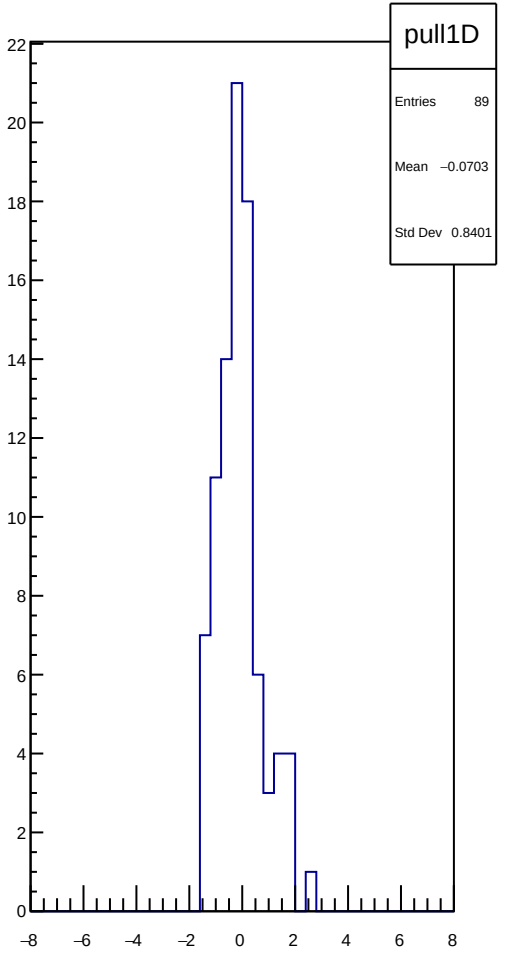

pull1D
Entries 89
Mean 0.08126
Std Dev 1.556

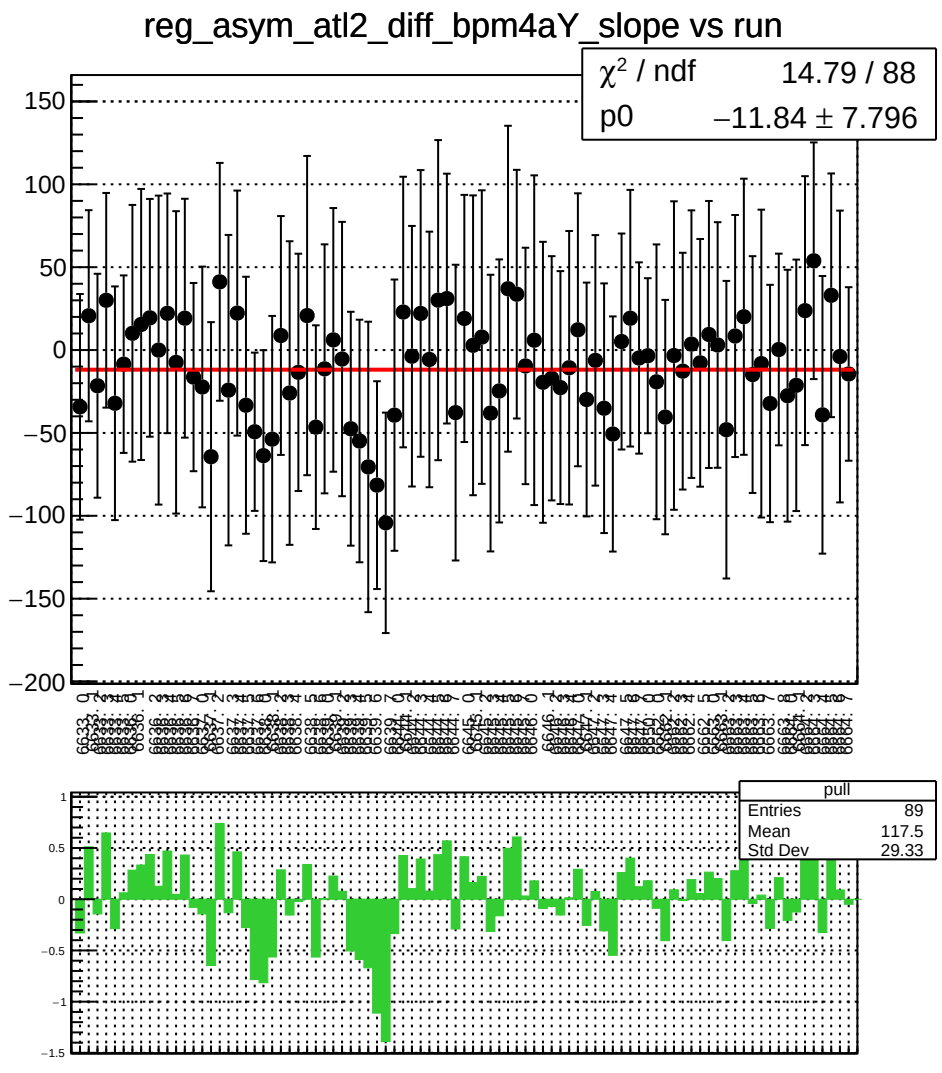

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 298.9 / 88
p0 7.036 ± 2.664
100
50
0
−50
−100
pull
Entries 89
Mean 722.8
Std Dev 667.6
3
2
1
0
−1
−2
−3

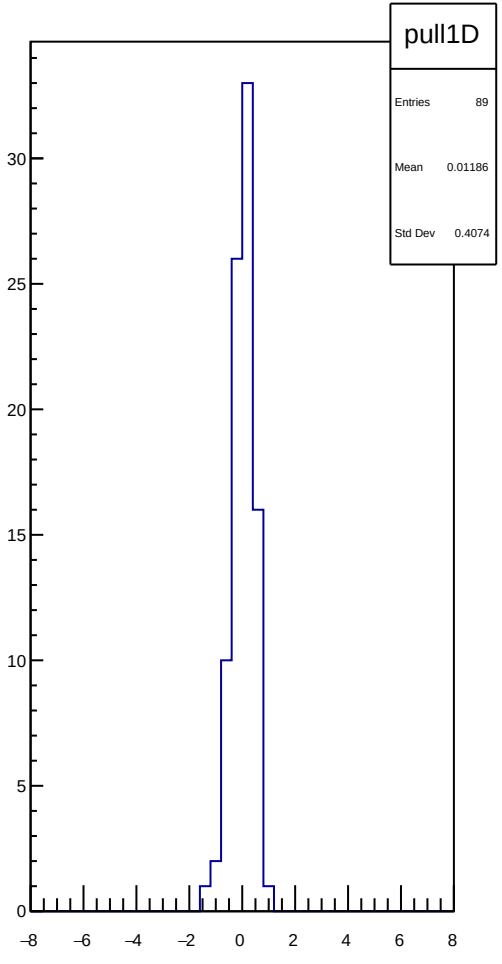

pull1D
Entries 89
Mean −0.04274
Std Dev 1.832
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

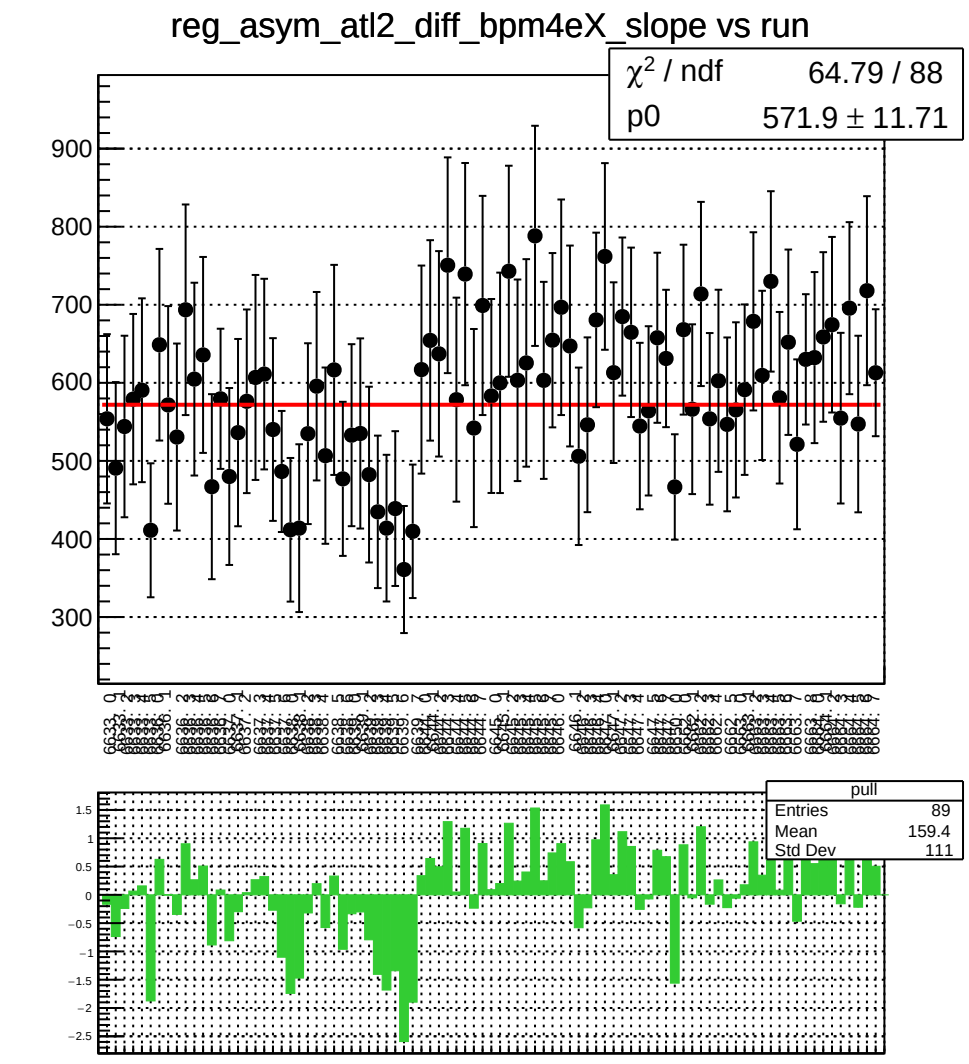

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 2959 / 88
p0 −61.37 ± 0.1477
pull
Entries 89
Mean −5022
Std Dev 5070
pull1D
Entries 89
Mean 1.998
Std Dev 4.047

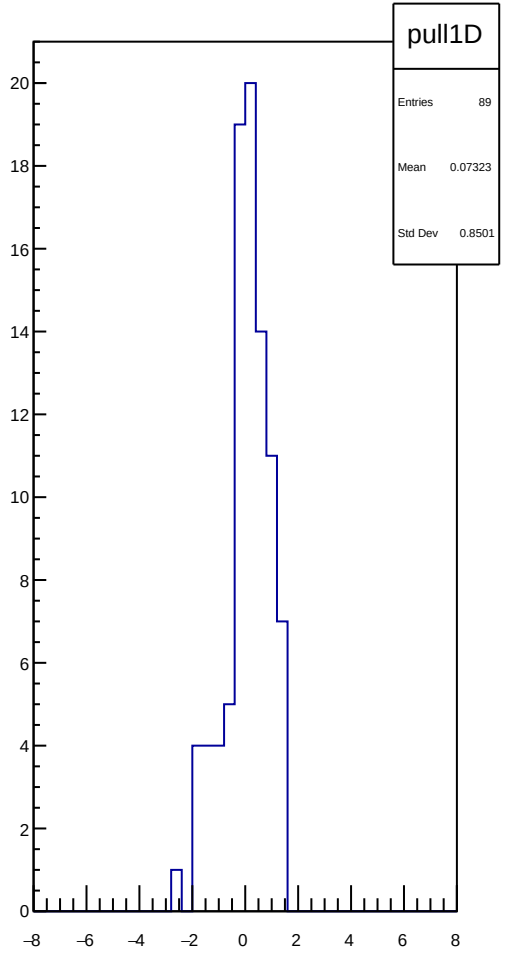

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 63.25 / 88
p0 −577.3 ± 10.95
−300
−400
−500
−600
−700
−800
−900
pull
Entries 89
Mean 152.1
Std Dev 103.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

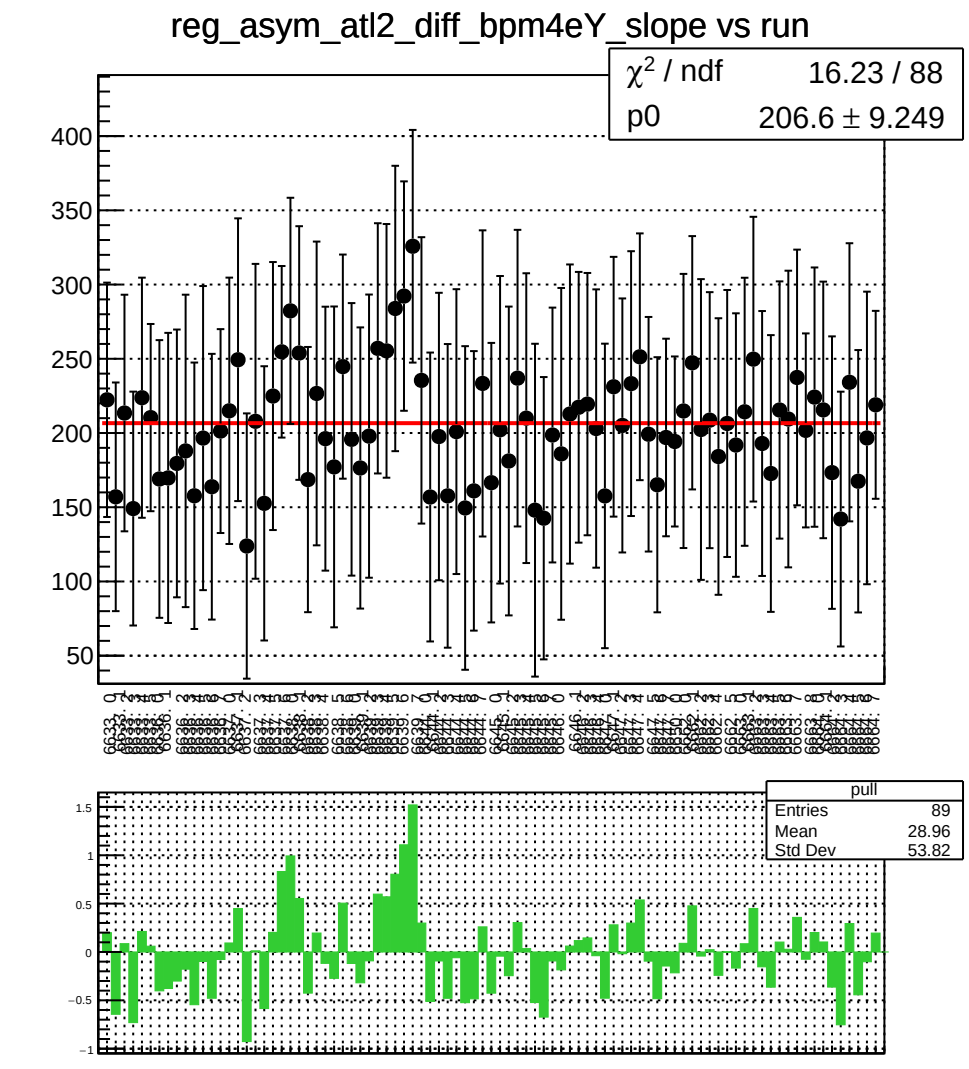

pull1D
Entries 89
Mean −0.0703
Std Dev 0.8401
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

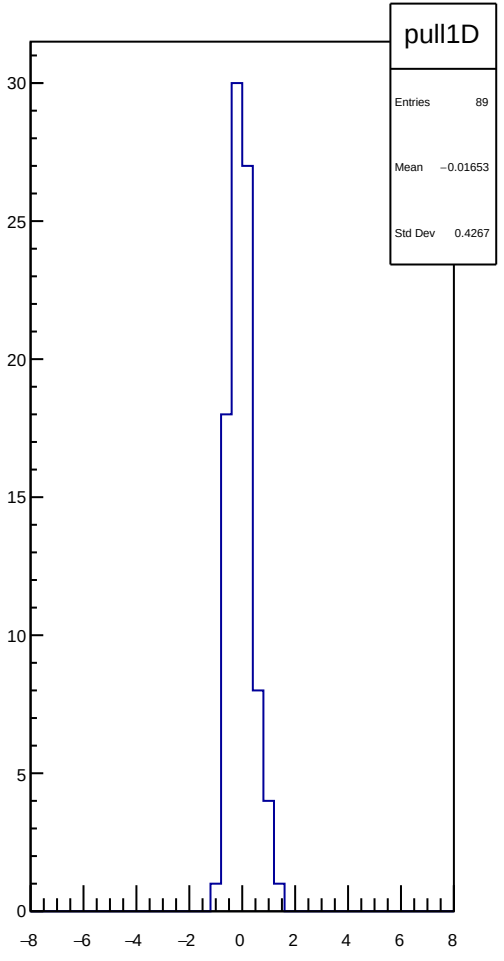

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 14.79 / 88
p0 −11.84 ± 7.796
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 117.5
Std Dev 29.33
1
0.5
0
−0.5
−1
−1.5

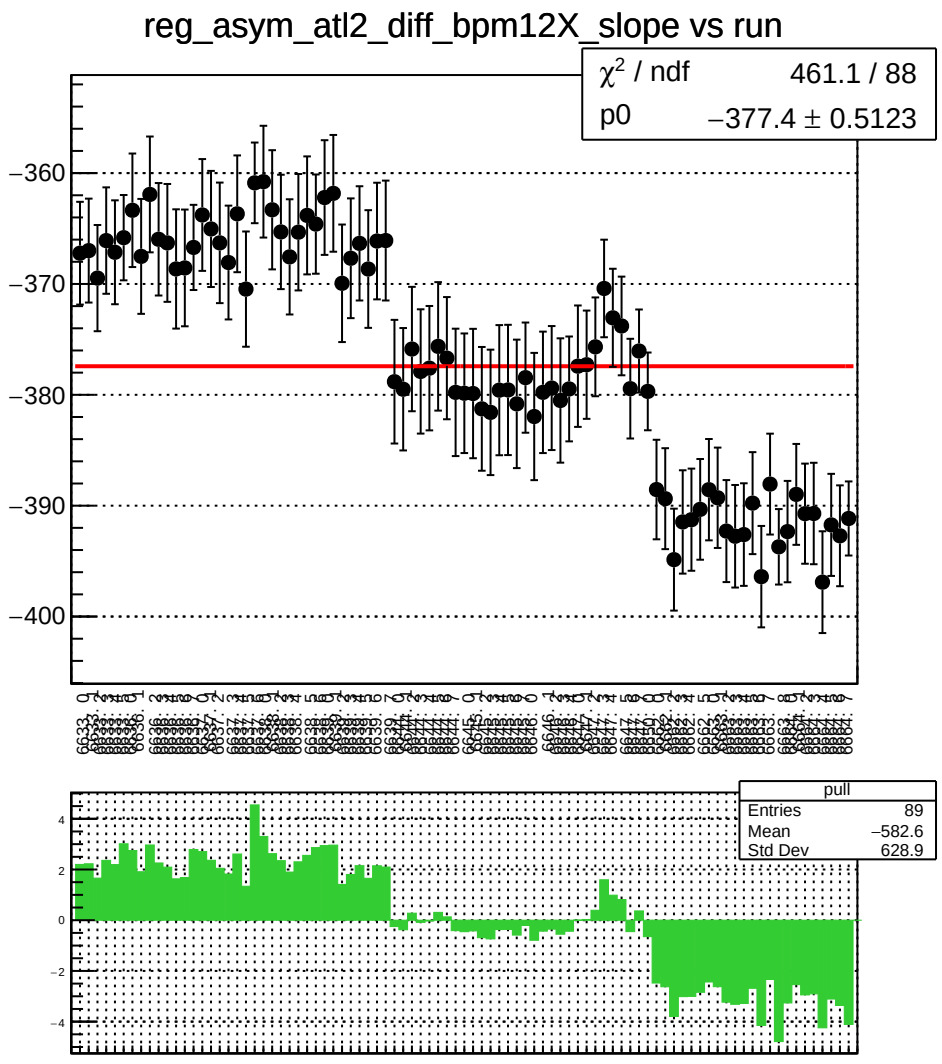

pull1D
Entries 89
Mean 0.01186
Std Dev 0.4074
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

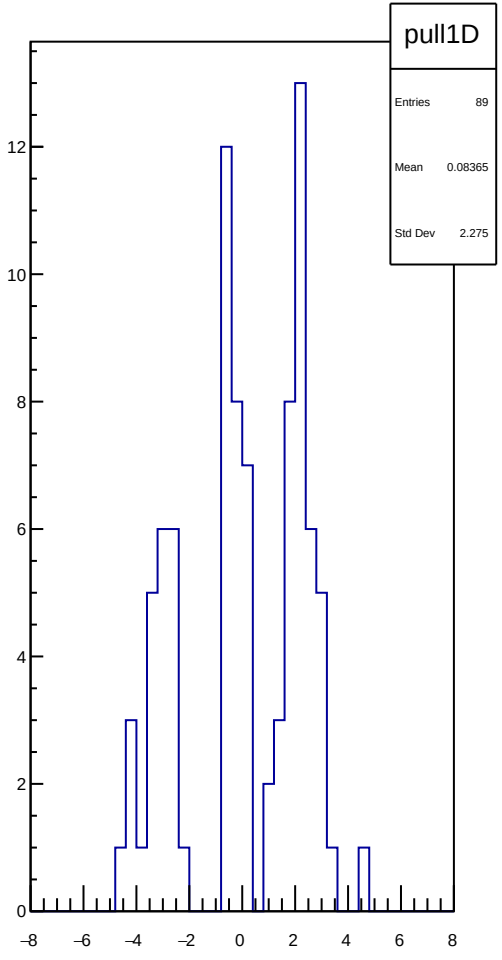

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 64.79 / 88
p0 571.9 ± 11.71
900
800
700
600
500
400
300
pull
Entries 89
Mean 159.4
Std Dev 111
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

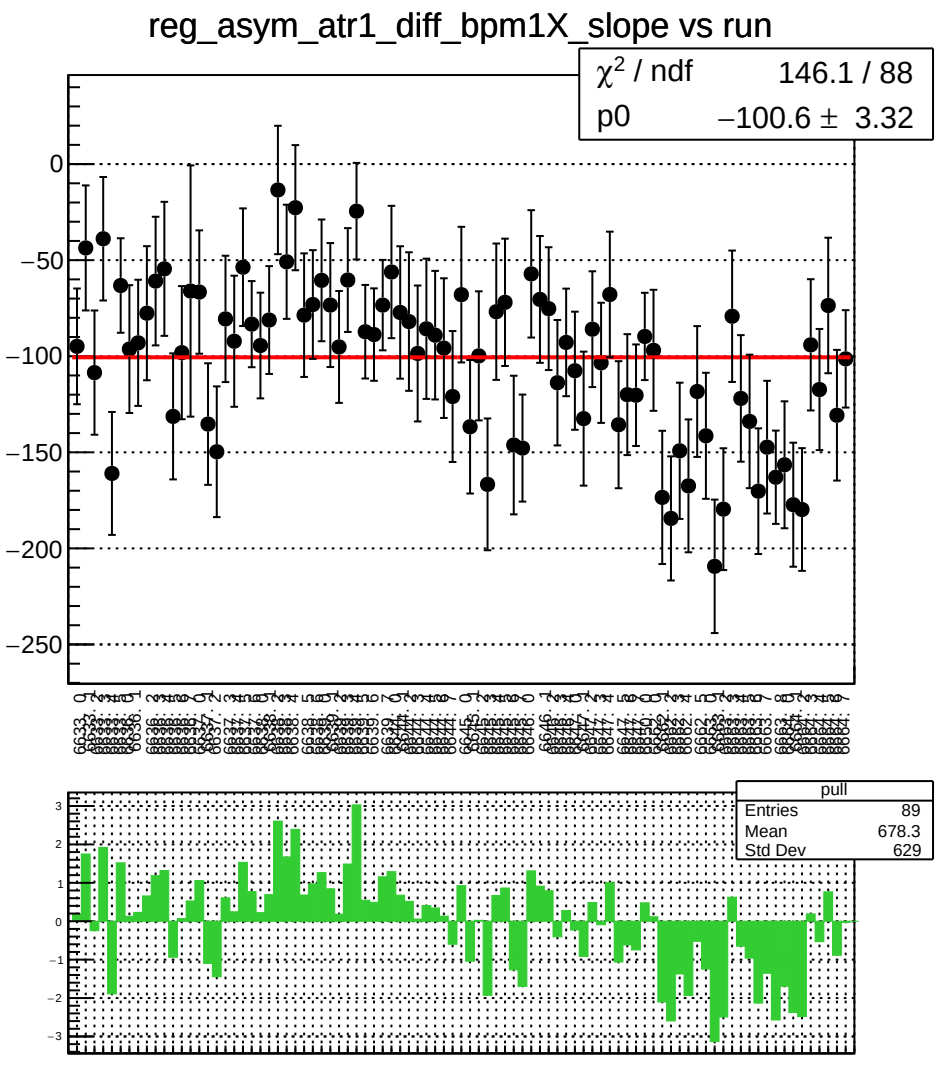

pull1D
Entries 89
Mean 0.07323
Std Dev 0.8501
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

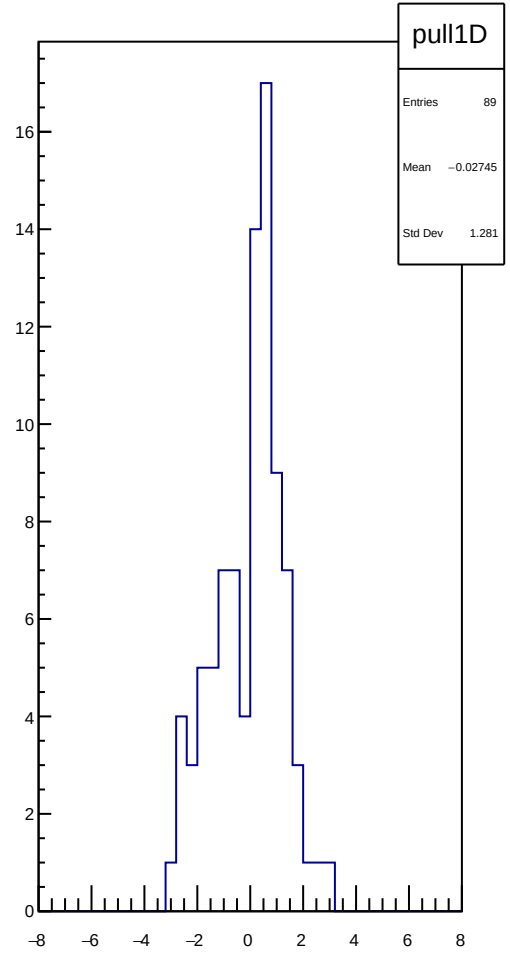

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 16.23 / 88
p0 206.6 ± 9.249
400
350
300
250
200
150
100
50
pull
Entries 89
Mean 28.96
Std Dev 53.82
1.5
1
0.5
0
−0.5
−1

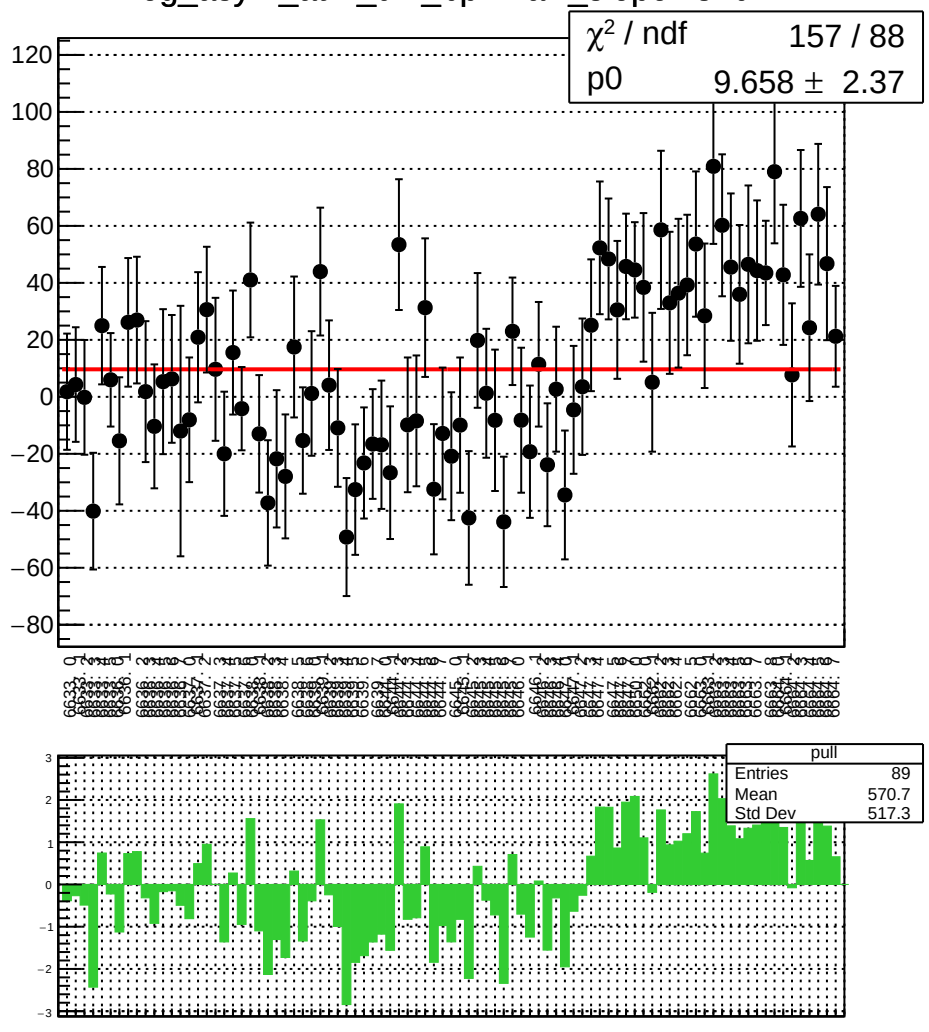

pull1D
Entries 89
Mean −0.01653
Std Dev 0.4267
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

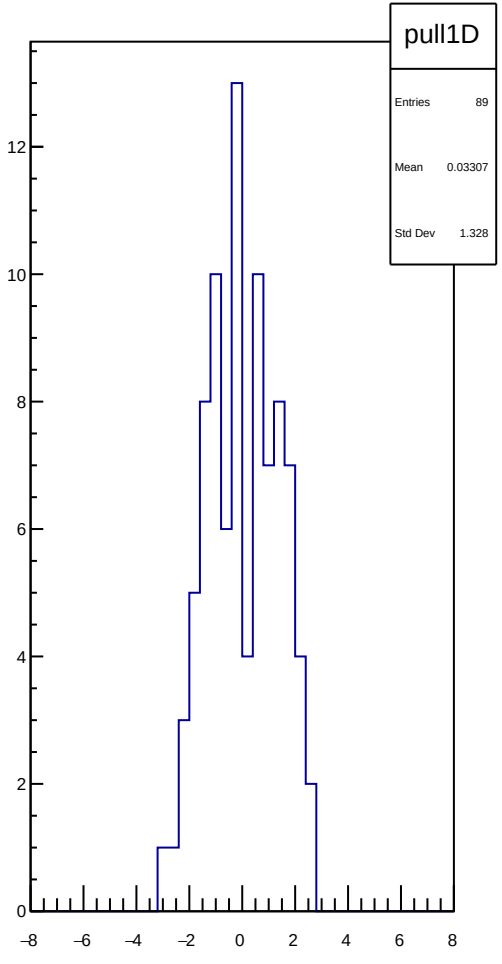

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 461.1 / 88
p0 −377.4 ± 0.5123
−360
−370
−380
−390
−400
pull
Entries 89
Mean −582.6
Std Dev 628.9
4
2
0
−2
−4

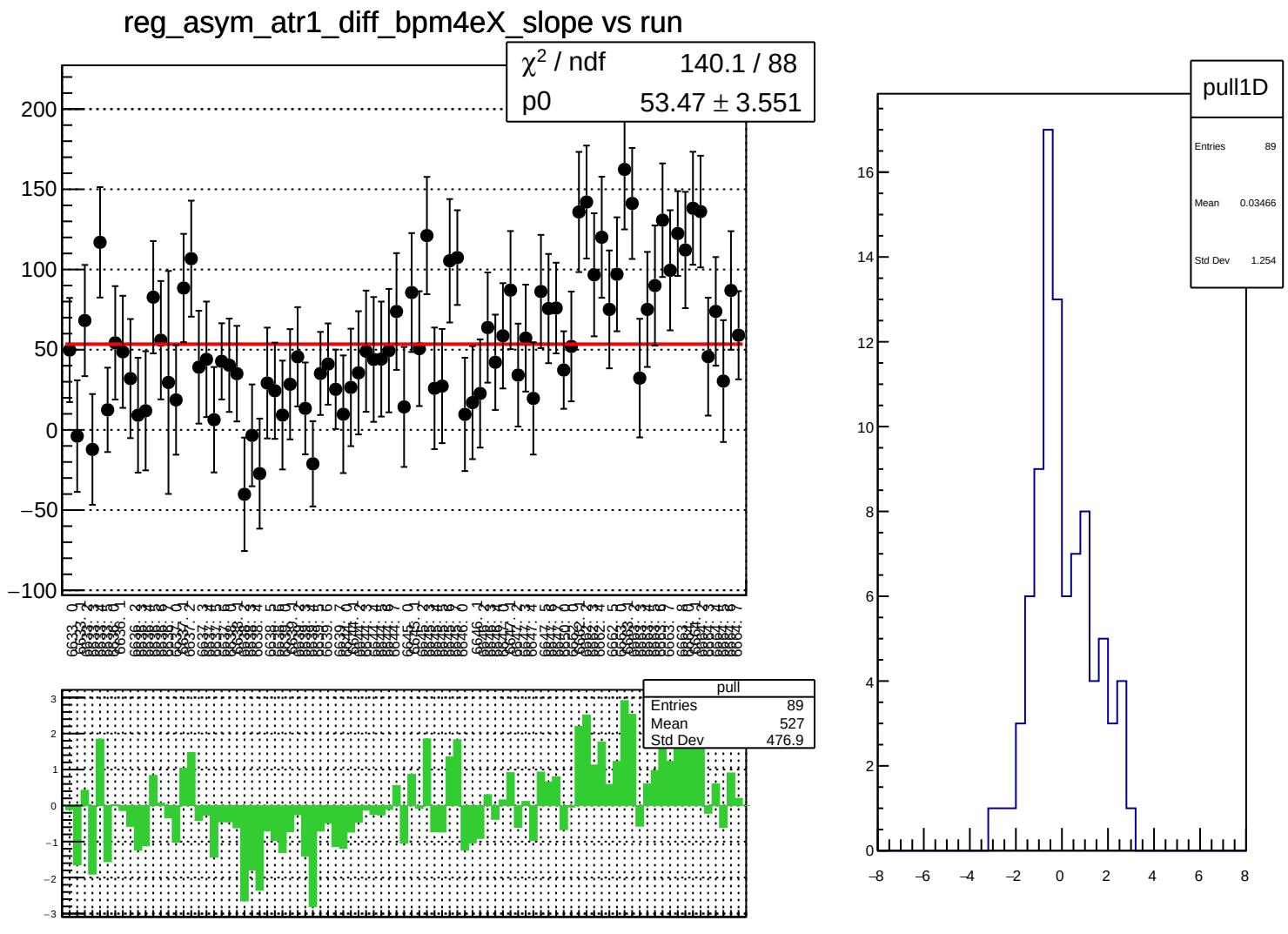

pull1D
Entries 89
Mean 0.08365
Std Dev 2.275
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

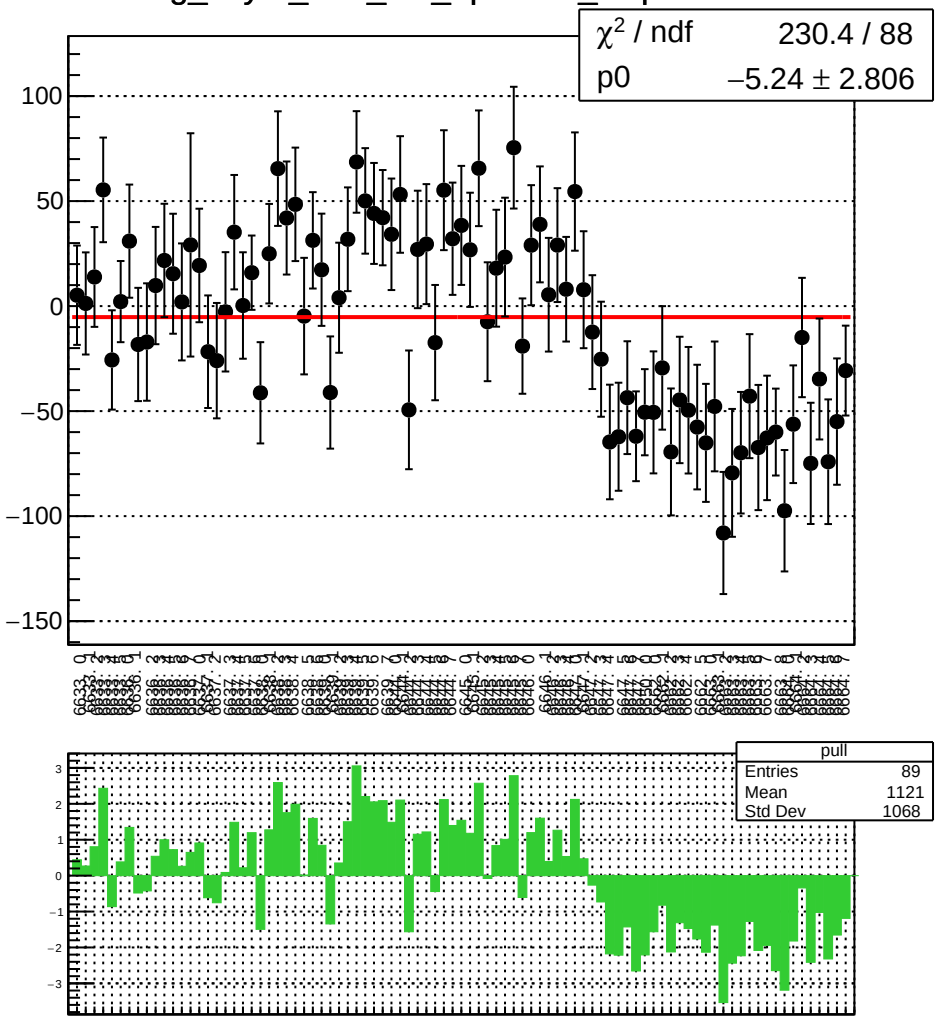

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 146.1 / 88
p0 −100.6 ± 3.32
pull
Entries 89
Mean 678.3
Std Dev 629

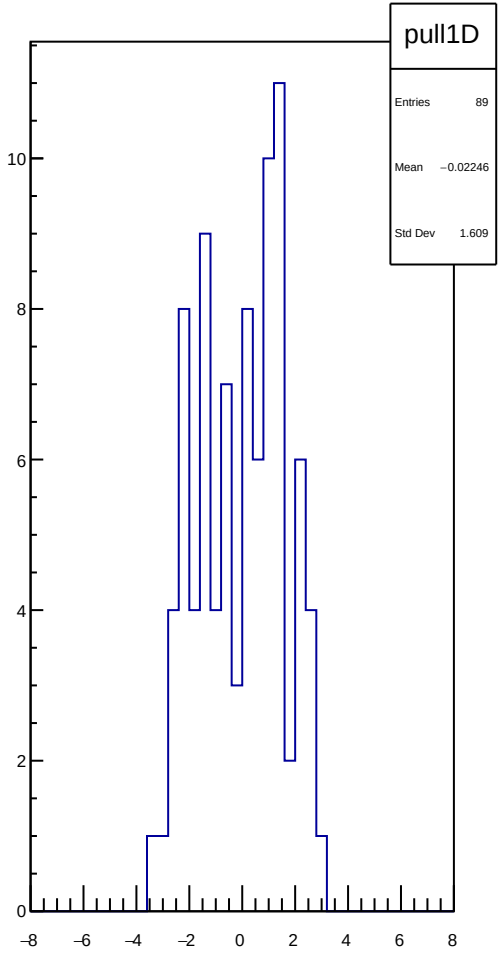

pull1D
Entries 89
Mean −0.02745
Std Dev 1.281

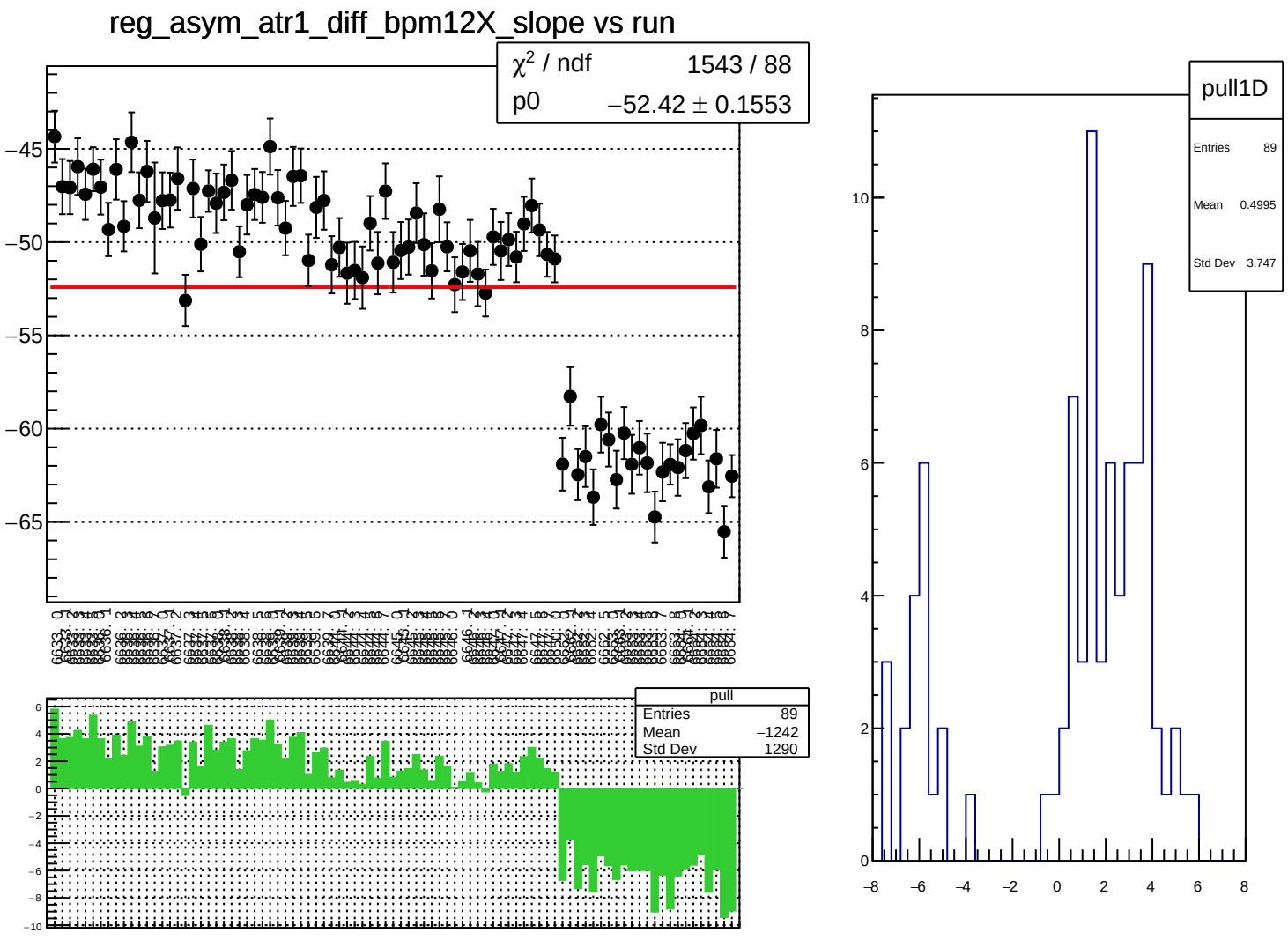

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 157 / 88
p0 9.658 ± 2.37
pull
Entries 89
Mean 570.7
Std Dev 517.3

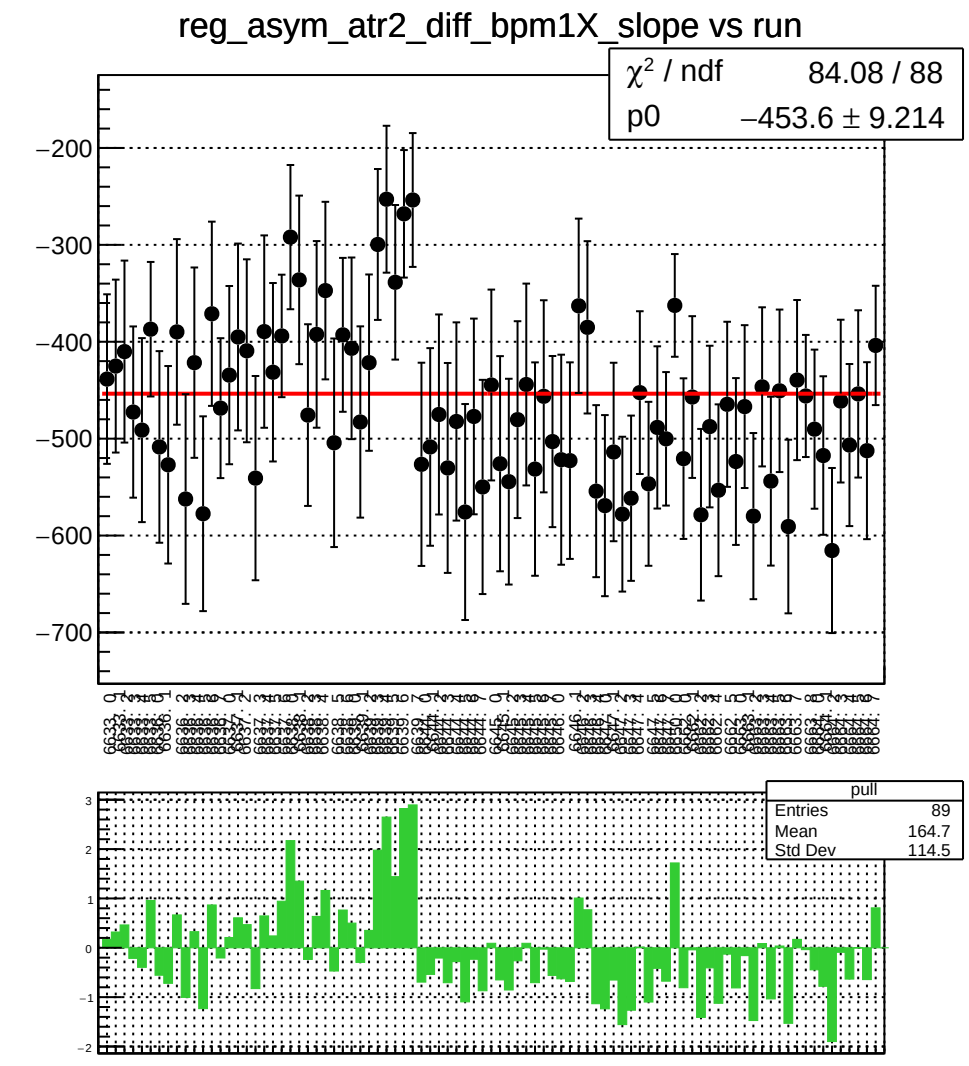

pull1D
Entries 89
Mean 0.03307
Std Dev 1.328

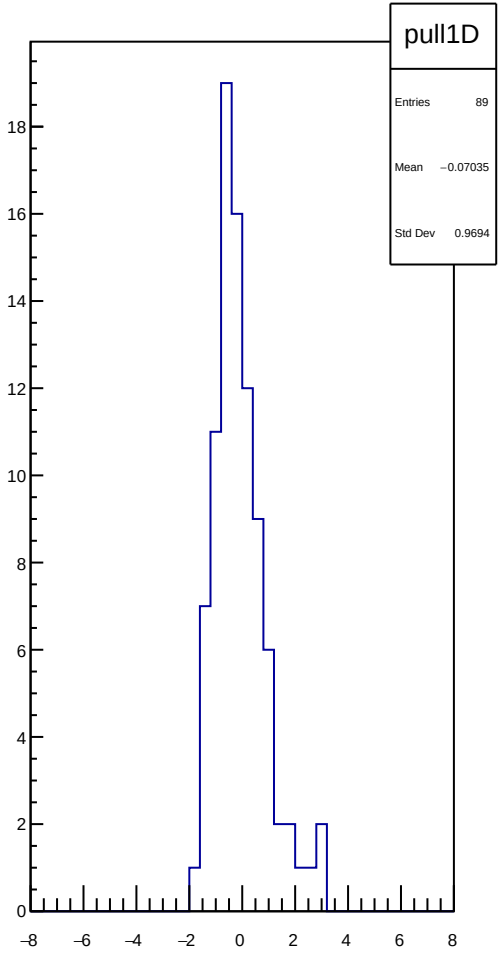

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 140.1 / 88
p0 53.47 ± 3.551
pull
Entries 89
Mean 527
Std Dev 476.9
pull1D
Entries 89
Mean 0.03466
Std Dev 1.254

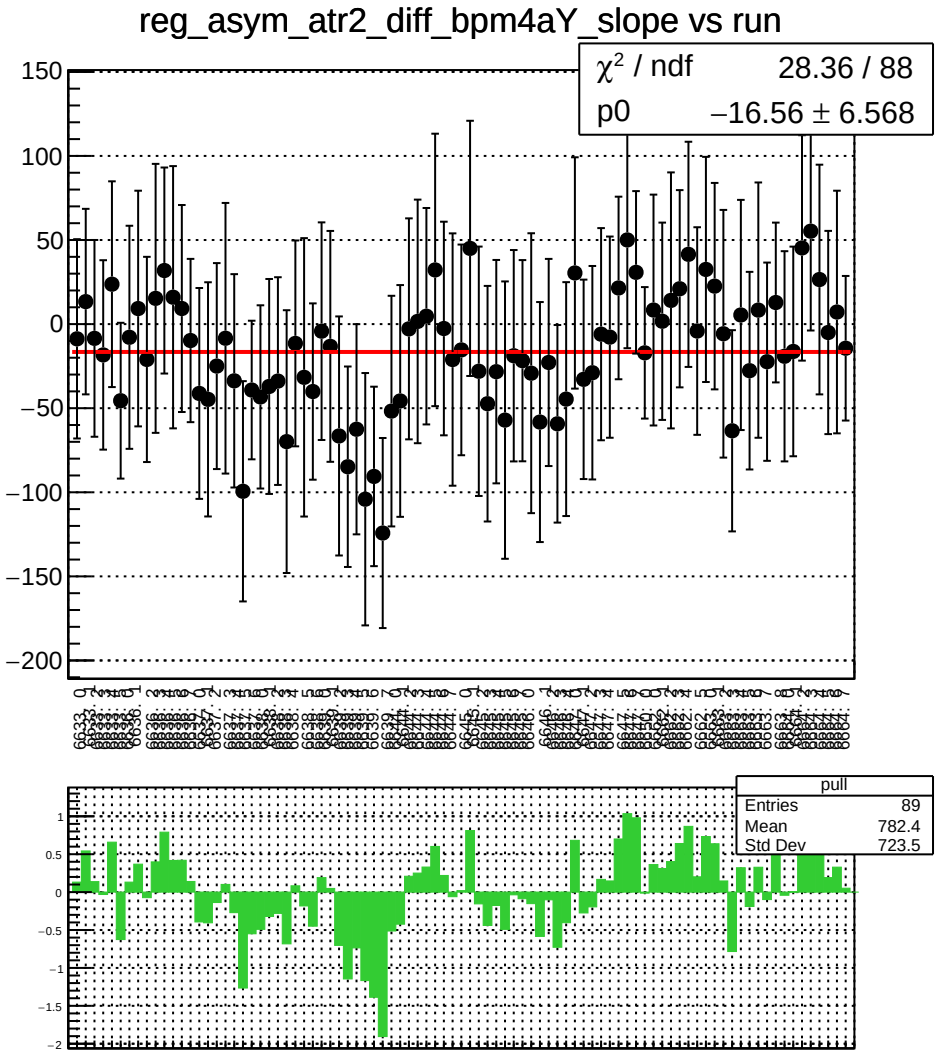

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 230.4 / 88
p0 −5.24 ± 2.806
100
50
0
−50
−100
−150
pull
Entries 89
Mean 1121
Std Dev 1068
3
2
1
0
−1
−2
−3

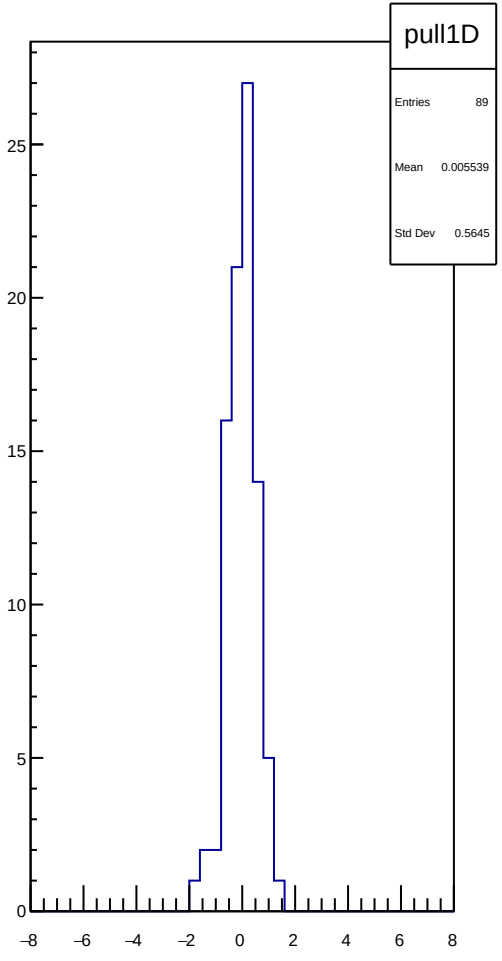

pull1D
Entries 89
Mean −0.02246
Std Dev 1.609
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

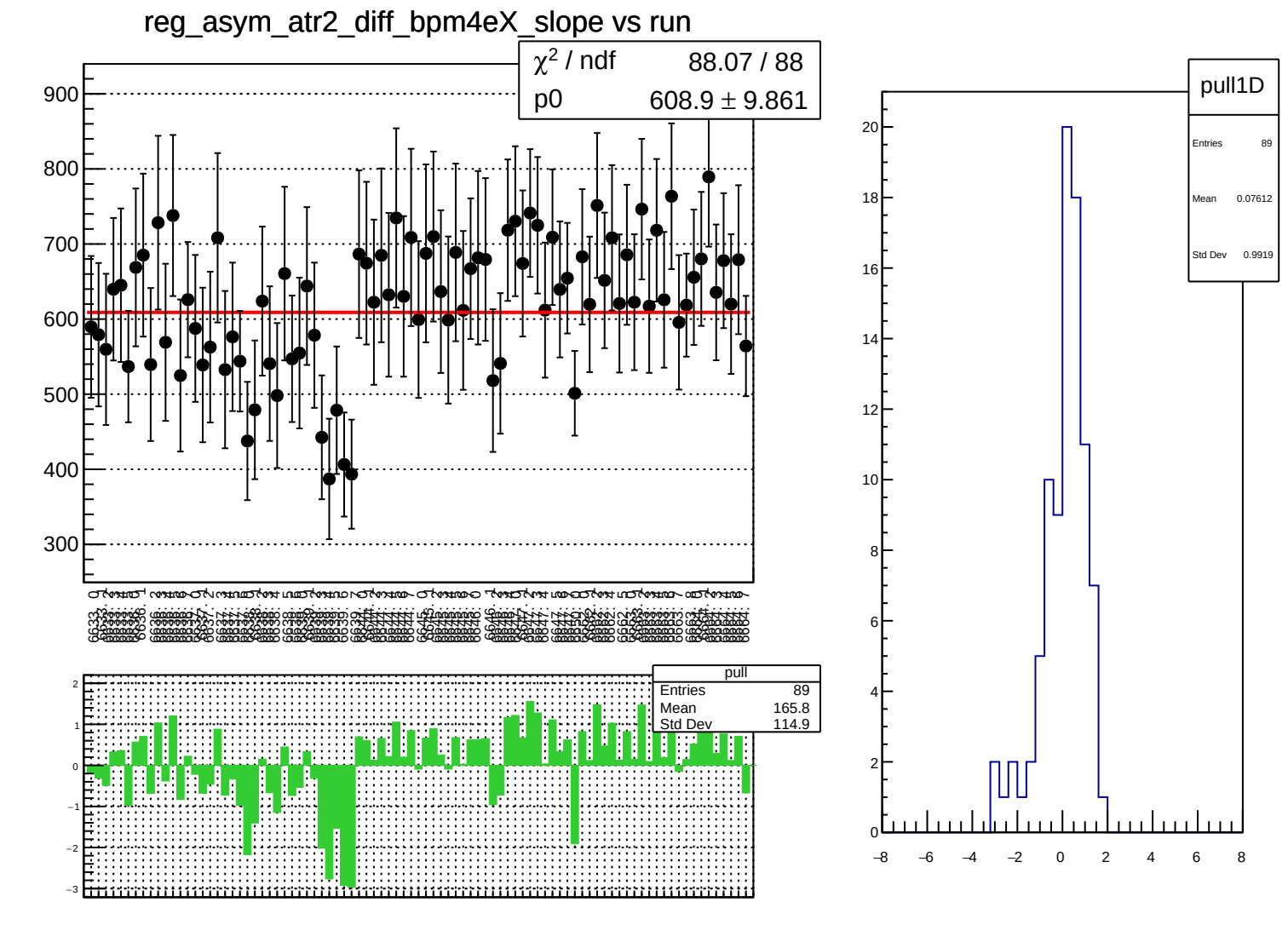

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1543 / 88
p0 −52.42 ± 0.1553
−45
−50
−55
−60
−65
pull
Entries 89
Mean −1242
Std Dev 1290
6
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 89
Mean 0.4995
Std Dev 3.747
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

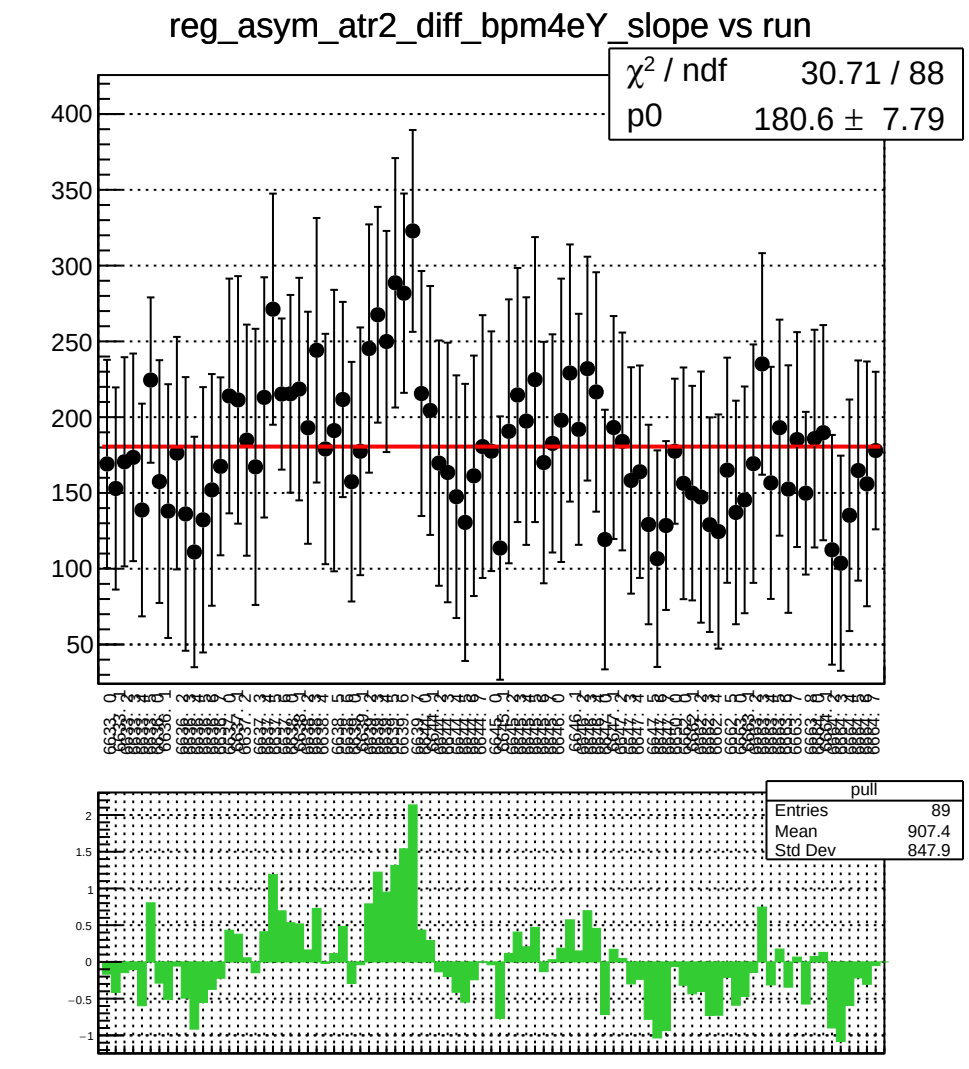

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 84.08 / 88
p0 −453.6 ± 9.214
−200
−300
−400
−500
−600
−700
pull
Entries 89
Mean 164.7
Std Dev 114.5
3
2
1
0
−1
−2

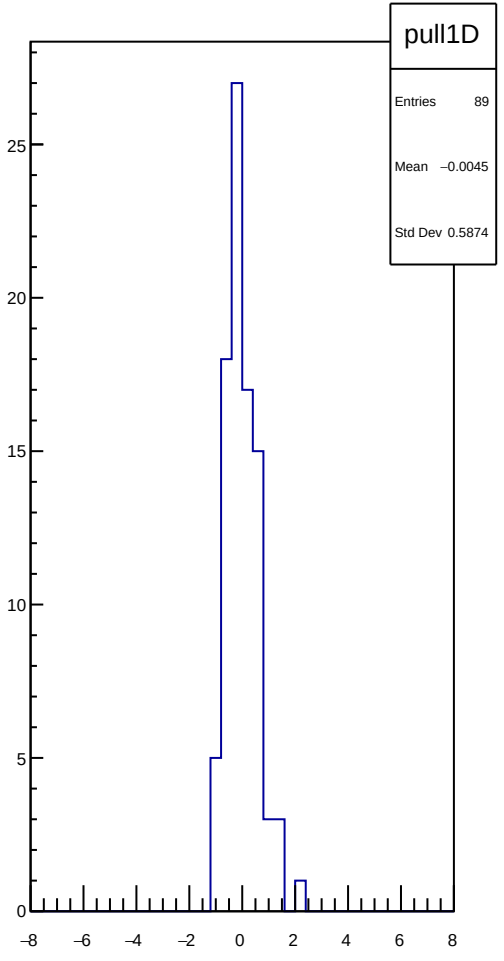

pull1D
Entries 89
Mean −0.07035
Std Dev 0.9694
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

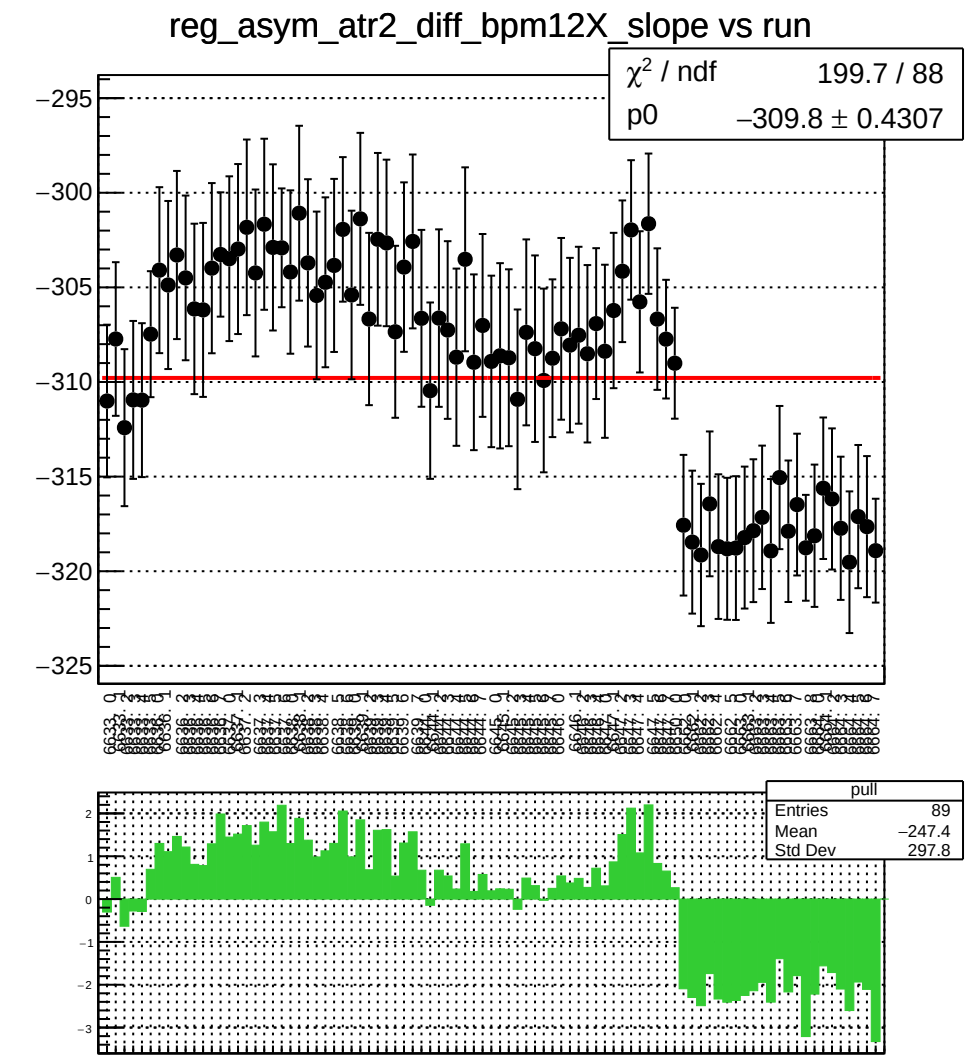

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 28.36 / 88
p0 −16.56 ± 6.568
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 782.4
Std Dev 723.5
1
0.5
0
−0.5
−1
−1.5
−2

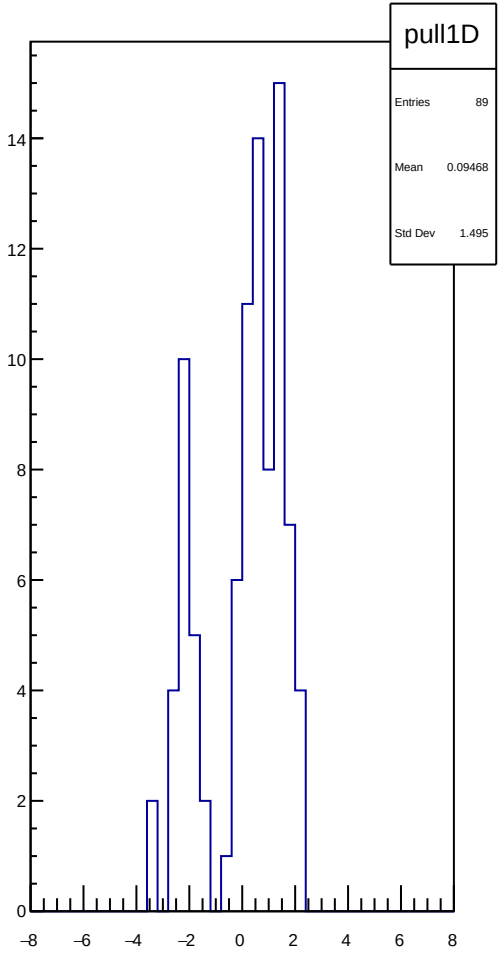

pull1D
Entries 89
Mean 0.005539
Std Dev 0.5645
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

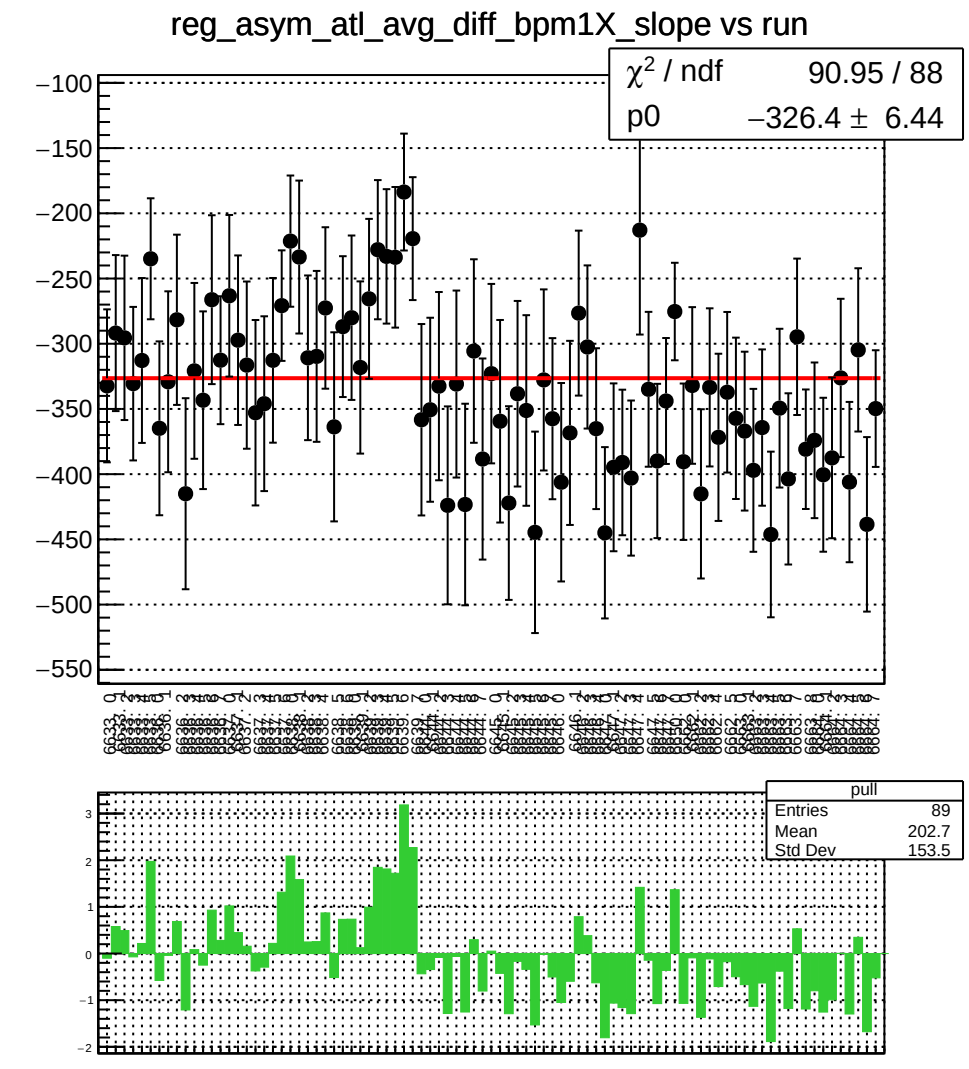

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 88.07 / 88
p0 608.9 ± 9.861
900
800
700
600
500
400
300
pull
Entries 89
Mean 165.8
Std Dev 114.9
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.07612
Std Dev 0.9919
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

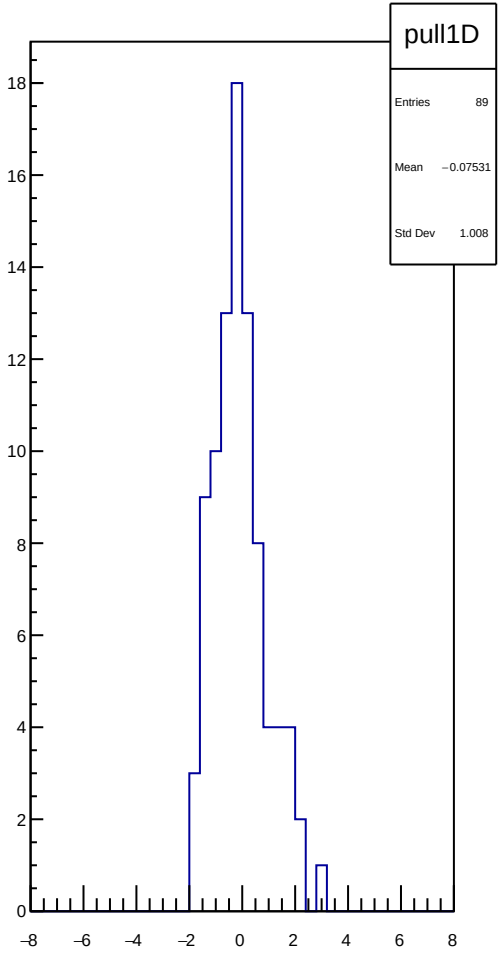

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 30.71 / 88
p0 180.6 ± 7.79
pull
Entries 89
Mean 907.4
Std Dev 847.9

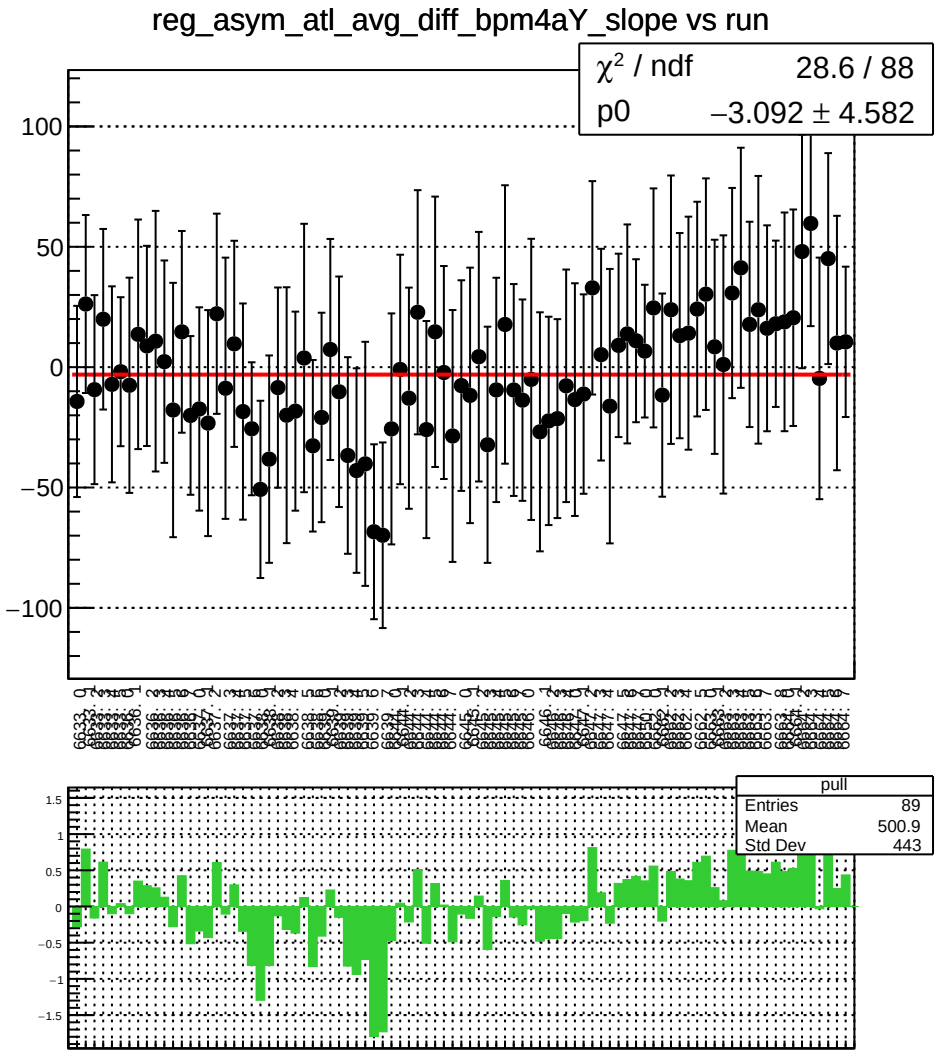

pull1D
Entries 89
Mean −0.0045
Std Dev 0.5874

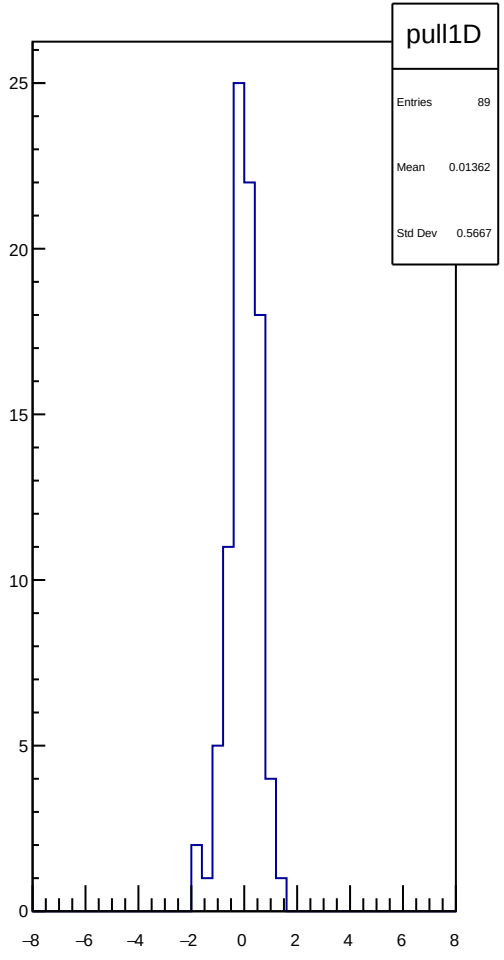

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 199.7 / 88
p0 −309.8 ± 0.4307
pull
Entries 89
Mean −247.4
Std Dev 297.8

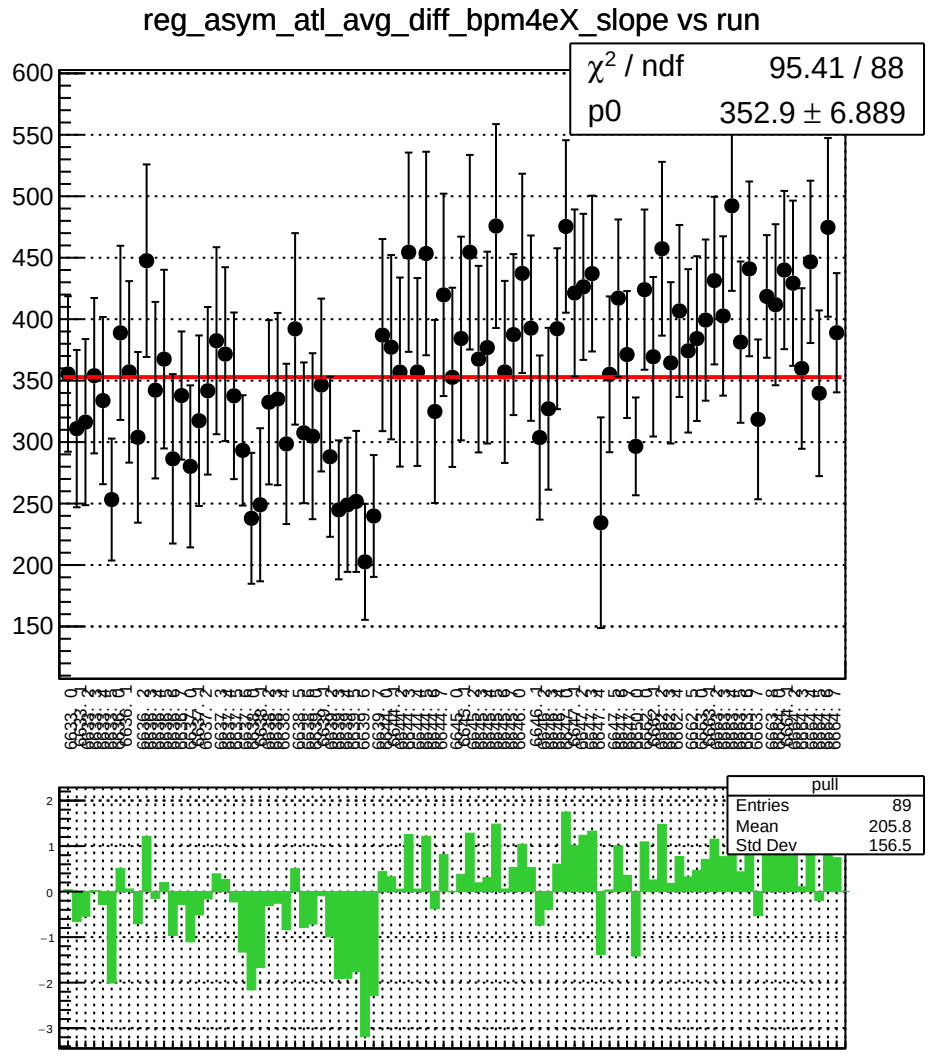

pull1D
Entries 89
Mean 0.09468
Std Dev 1.495

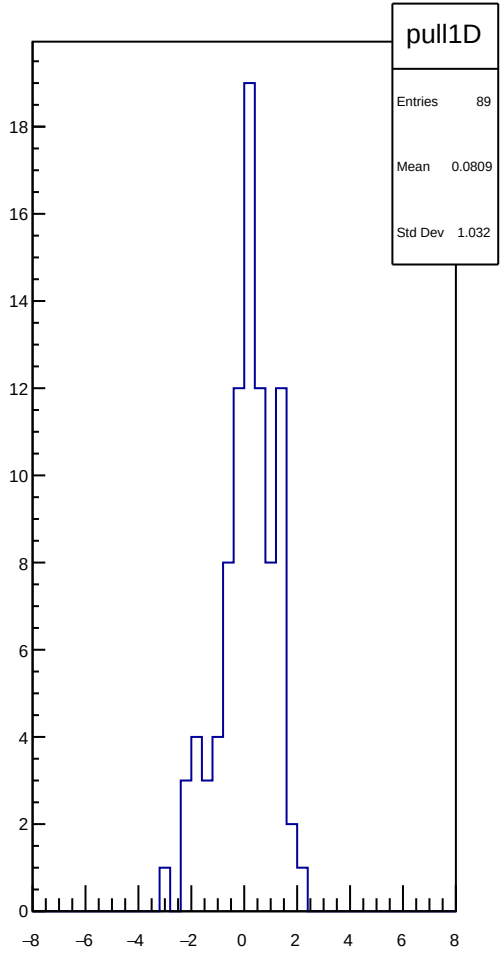

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 90.95 / 88
p0 −326.4 ± 6.44
pull
Entries 89
Mean 202.7
Std Dev 153.5

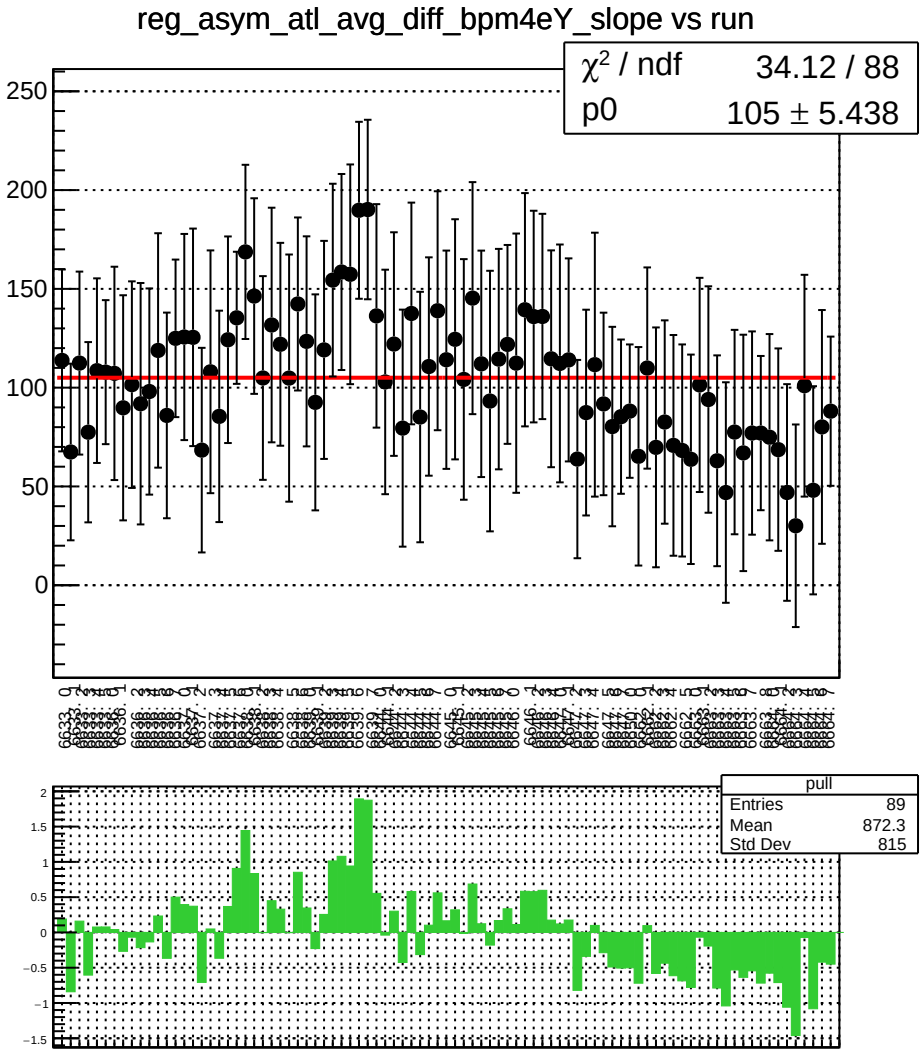

pull1D
Entries 89
Mean −0.07531
Std Dev 1.008

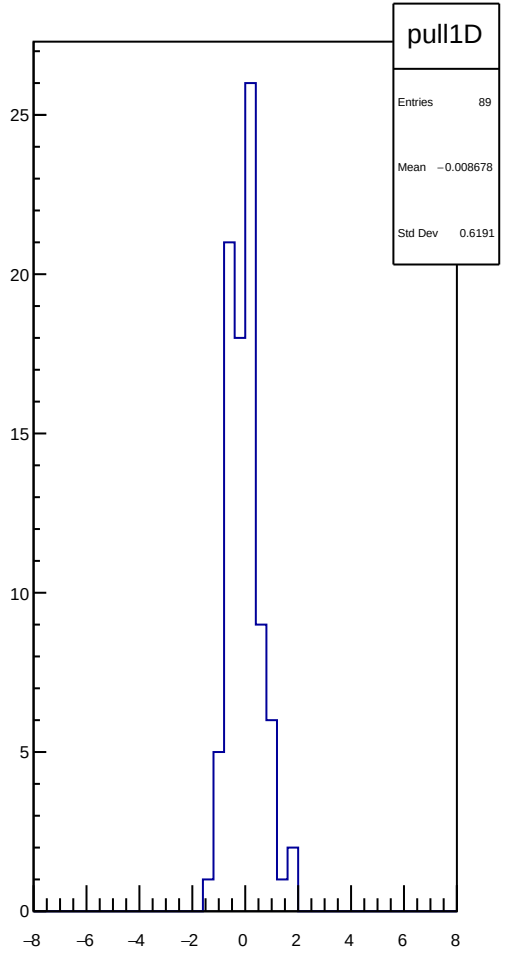

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.6 / 88
p0 −3.092 ± 4.582
100
50
0
−50
−100
pull
Entries 89
Mean 500.9
Std Dev 443
1.5
1
0.5
0
−0.5
−1
−1.5

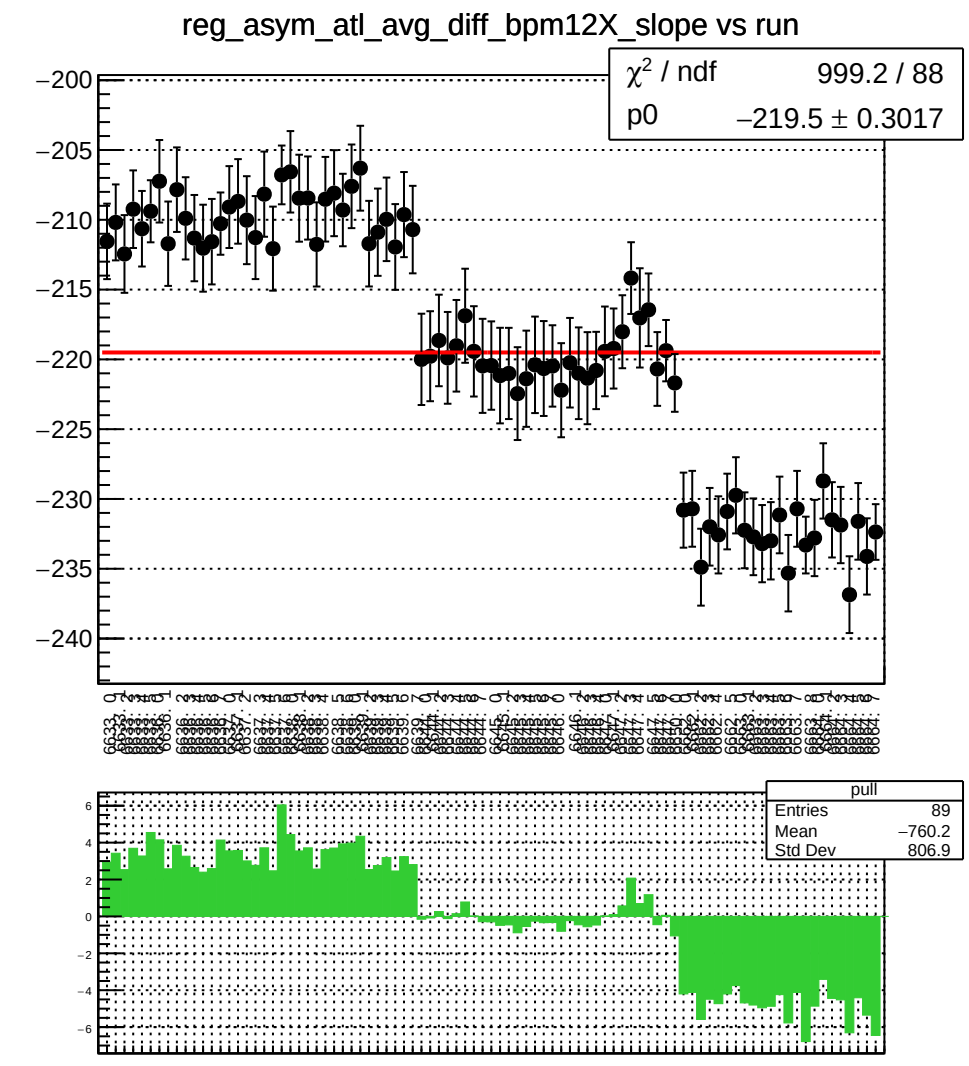

pull1D
Entries 89
Mean 0.01362
Std Dev 0.5667
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

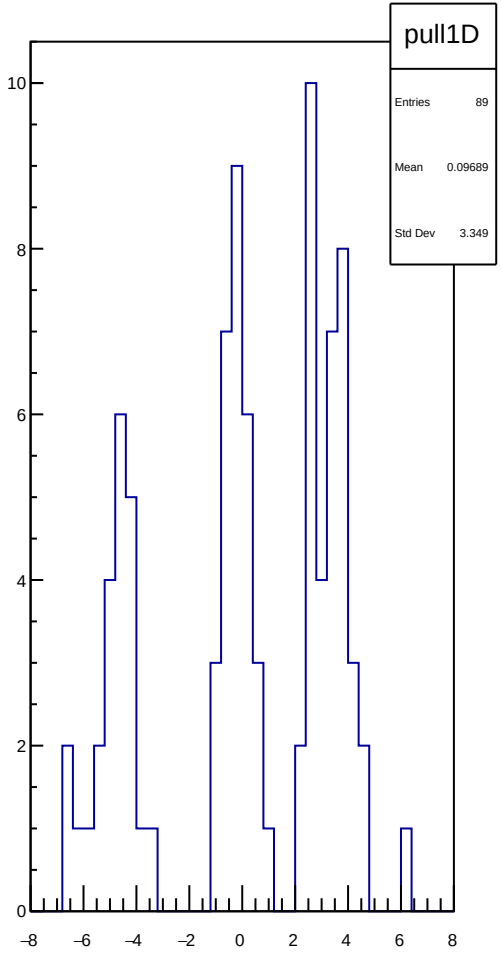

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 95.41 / 88
p0 352.9 ± 6.889
pull
Entries 89
Mean 205.8
Std Dev 156.5

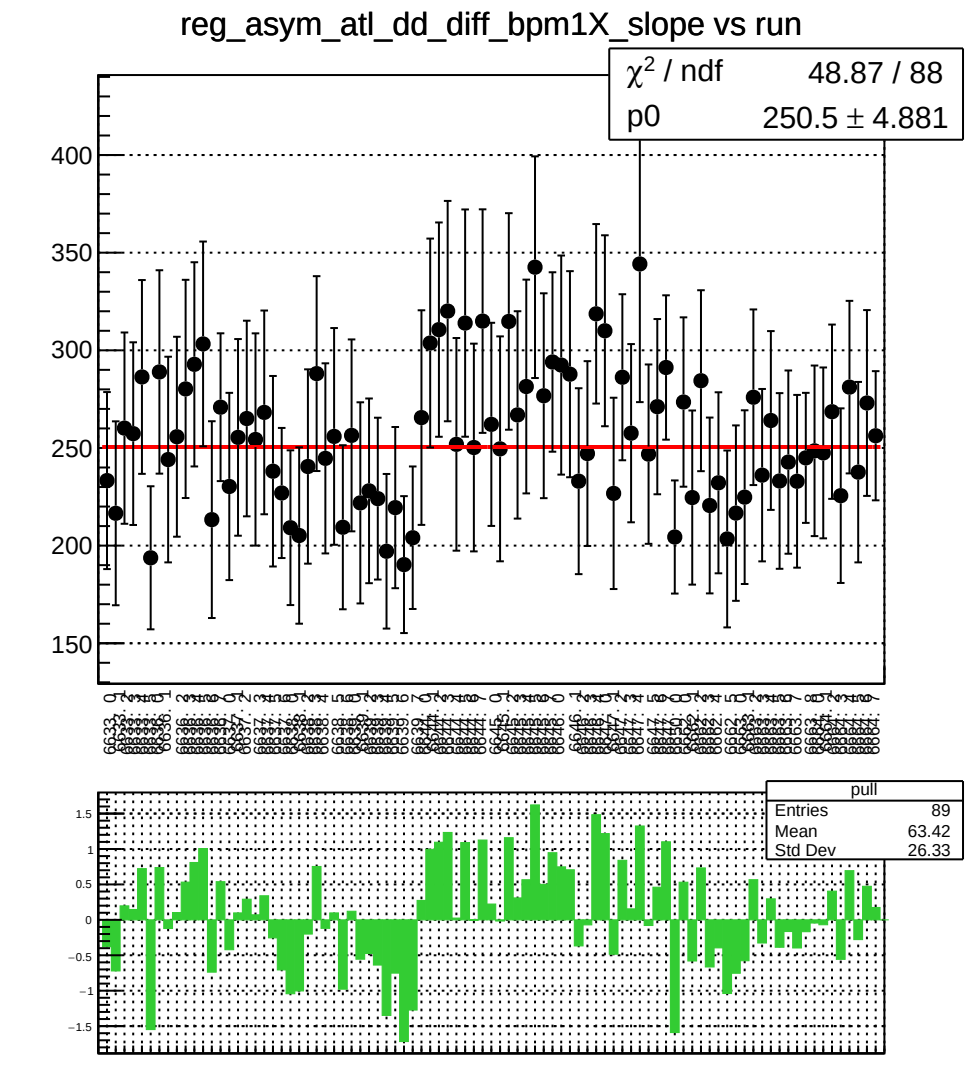

pull1D
Entries 89
Mean 0.0809
Std Dev 1.032

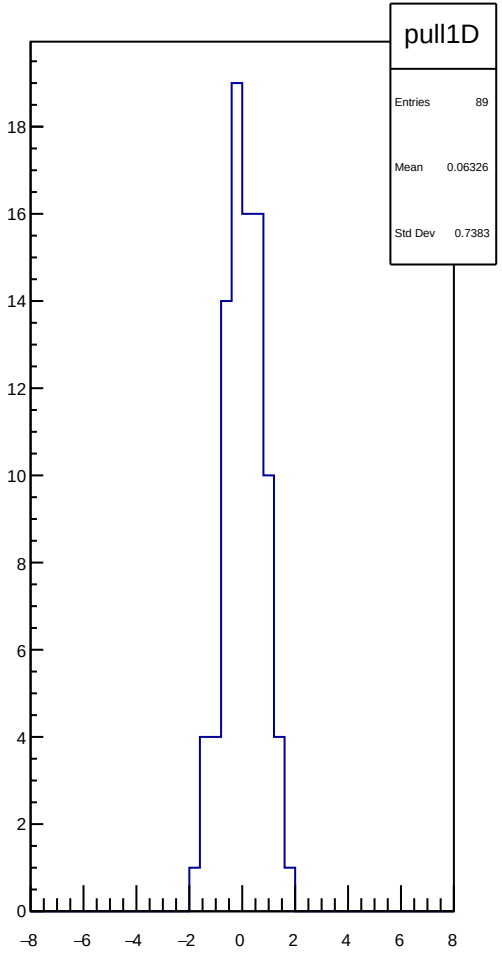

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.12 / 88
p0 105 ± 5.438
250
200
150
100
50
0
pull
Entries 89
Mean 872.3
Std Dev 815
2
1.5
1
0.5
0
−0.5
−1
−1.5

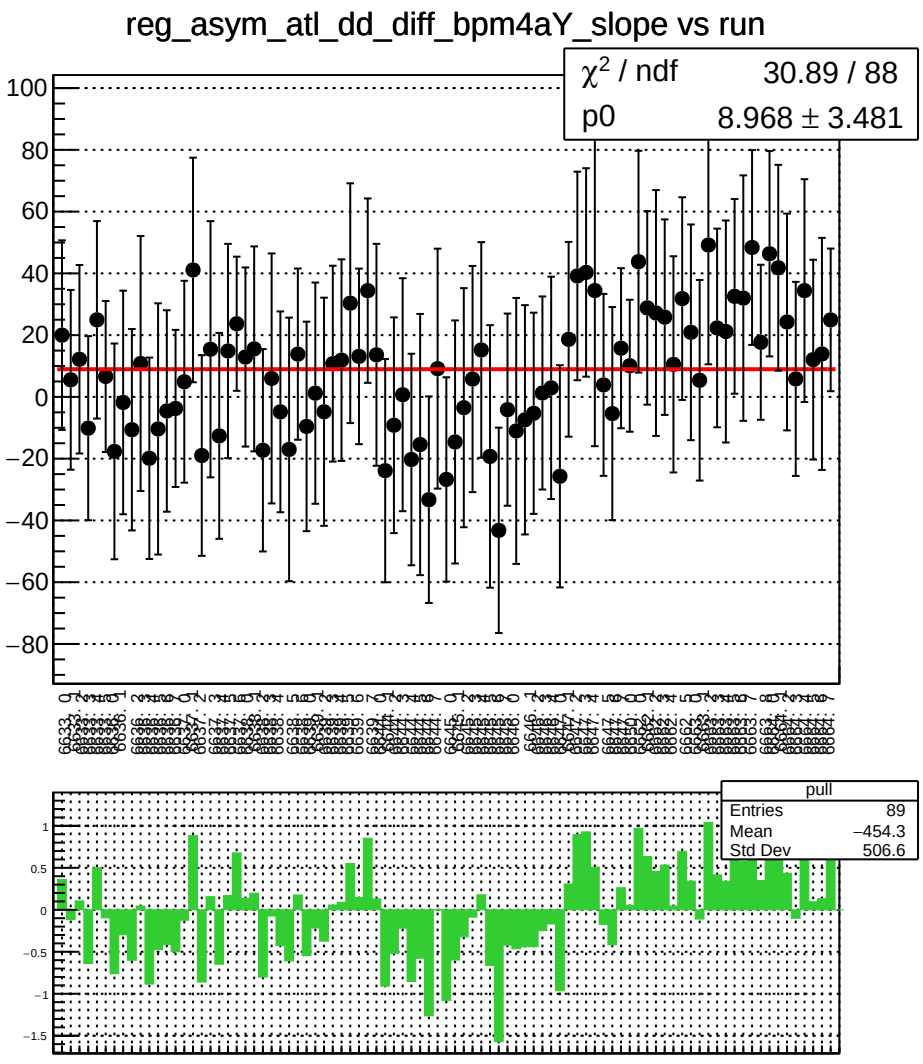

pull1D
Entries 89
Mean −0.008678
Std Dev 0.6191
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

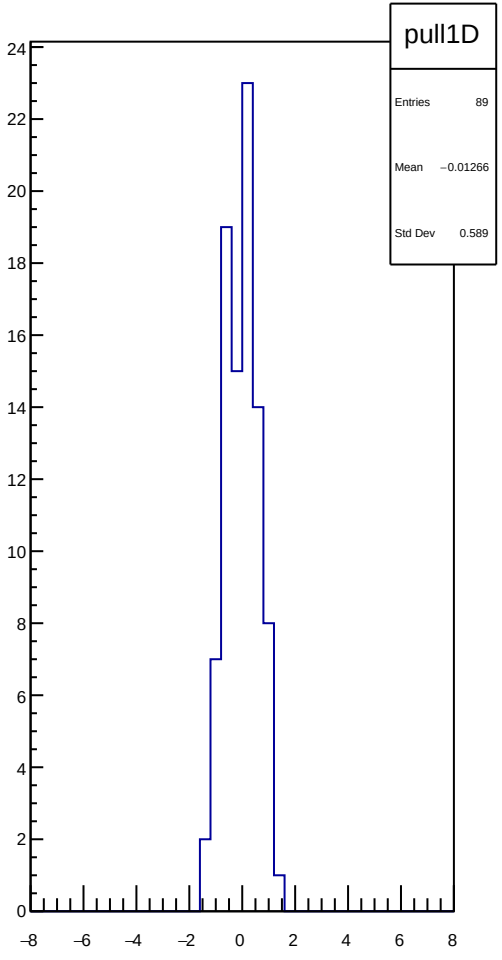

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 999.2 / 88
p0 −219.5 ± 0.3017
pull
Entries 89
Mean −760.2
Std Dev 806.9

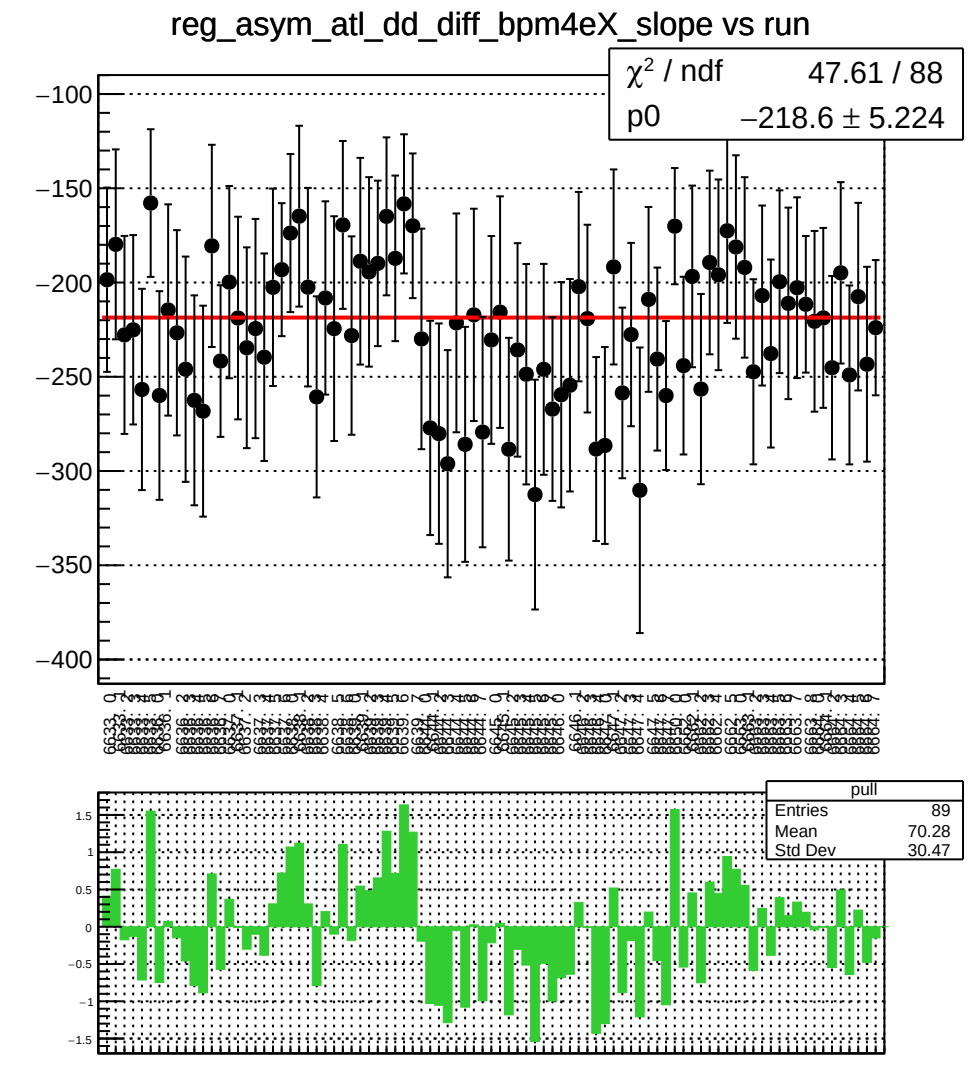

pull1D
Entries 89
Mean 0.09689
Std Dev 3.349

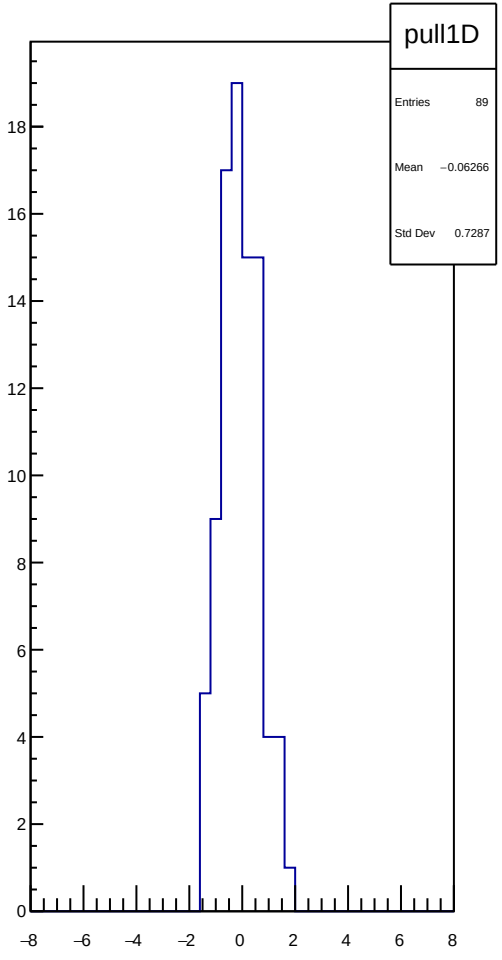

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 48.87 / 88
p0 250.5 ± 4.881
400
350
300
250
200
150
pull
Entries 89
Mean 63.42
Std Dev 26.33
1.5
1
0.5
0
−0.5
−1
−1.5

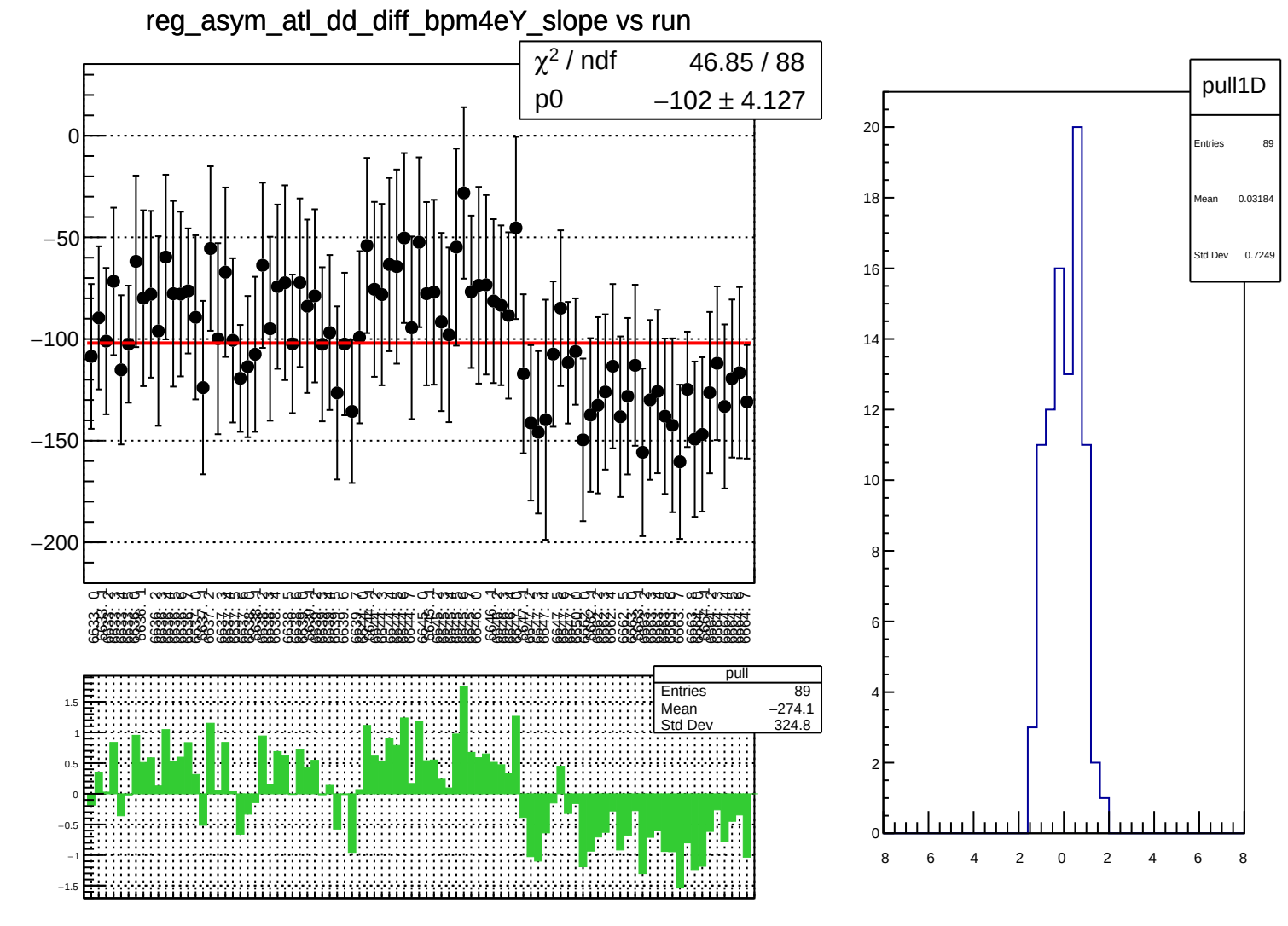

pull1D
Entries 89
Mean 0.06326
Std Dev 0.7383
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

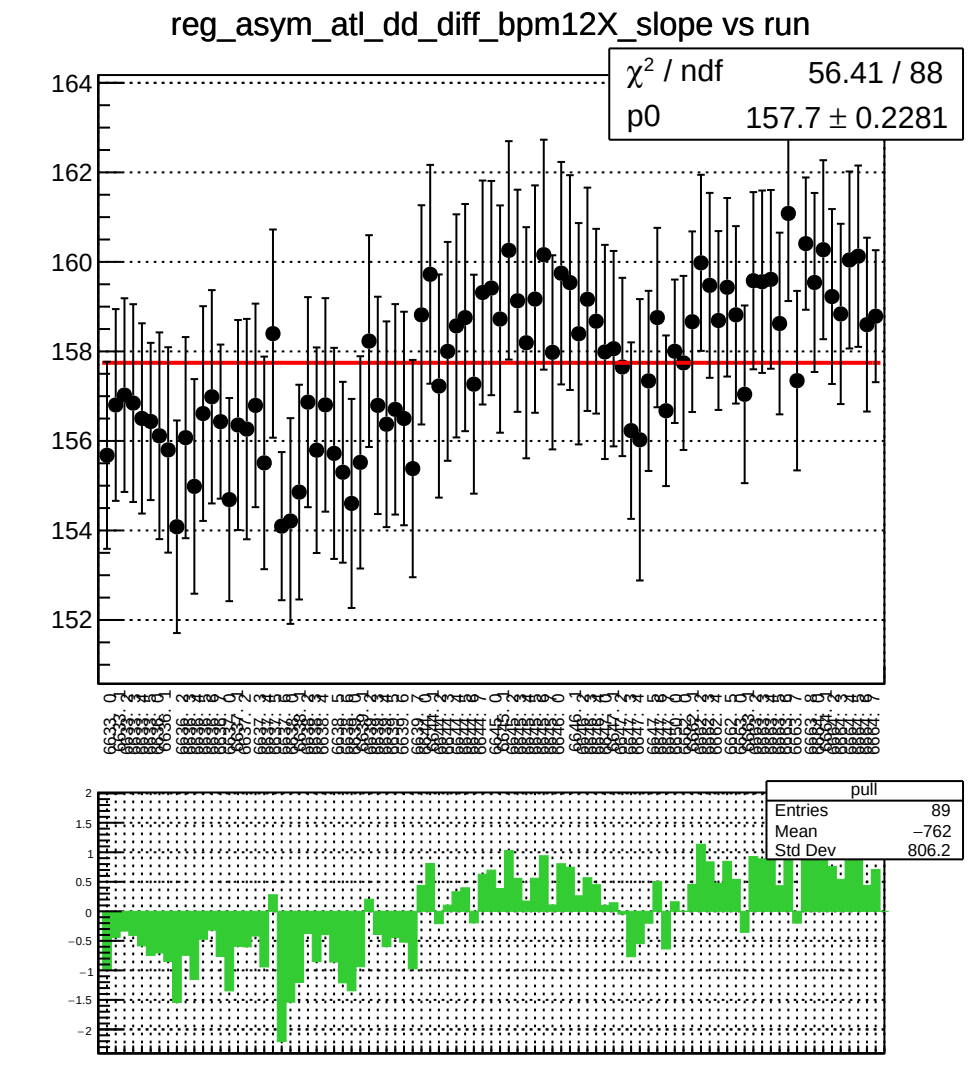

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 30.89 / 88
p0 8.968 ± 3.481
pull
Entries 89
Mean −454.3
Std Dev 506.6

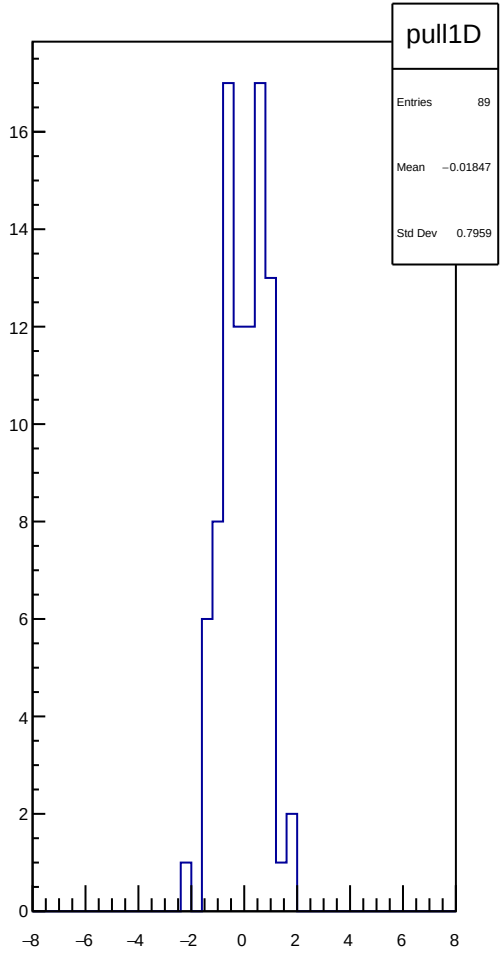

pull1D
Entries 89
Mean −0.01266
Std Dev 0.589

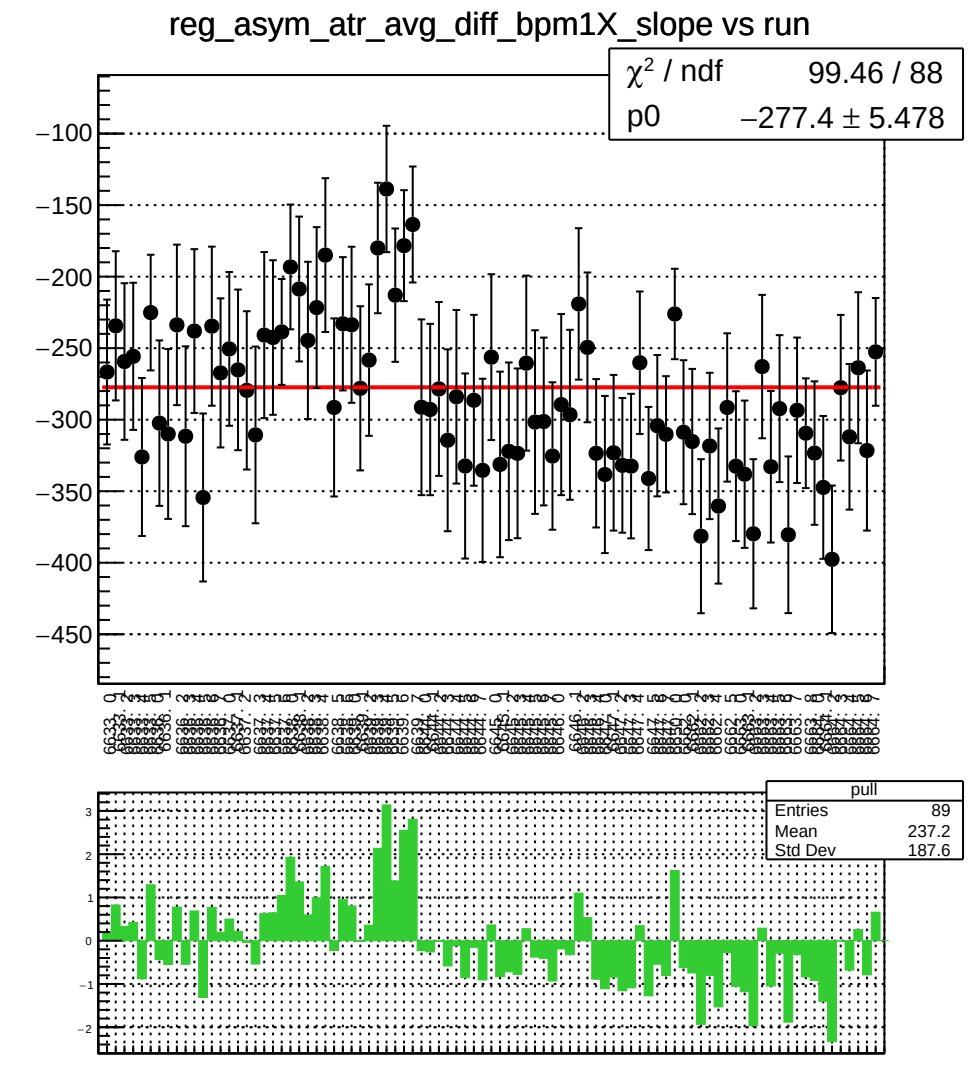

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.61 / 88
p0 −218.6 ± 5.224
pull
Entries 89
Mean 70.28
Std Dev 30.47

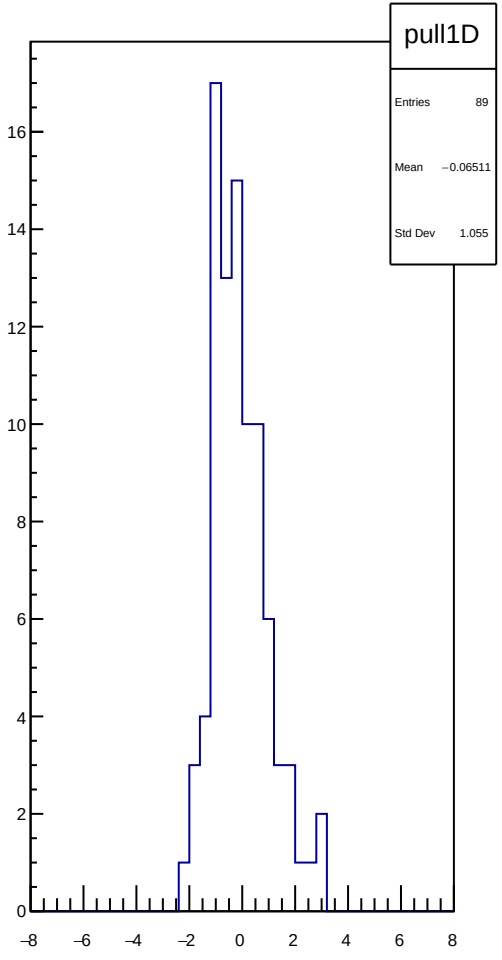

pull1D
Entries 89
Mean −0.06266
Std Dev 0.7287

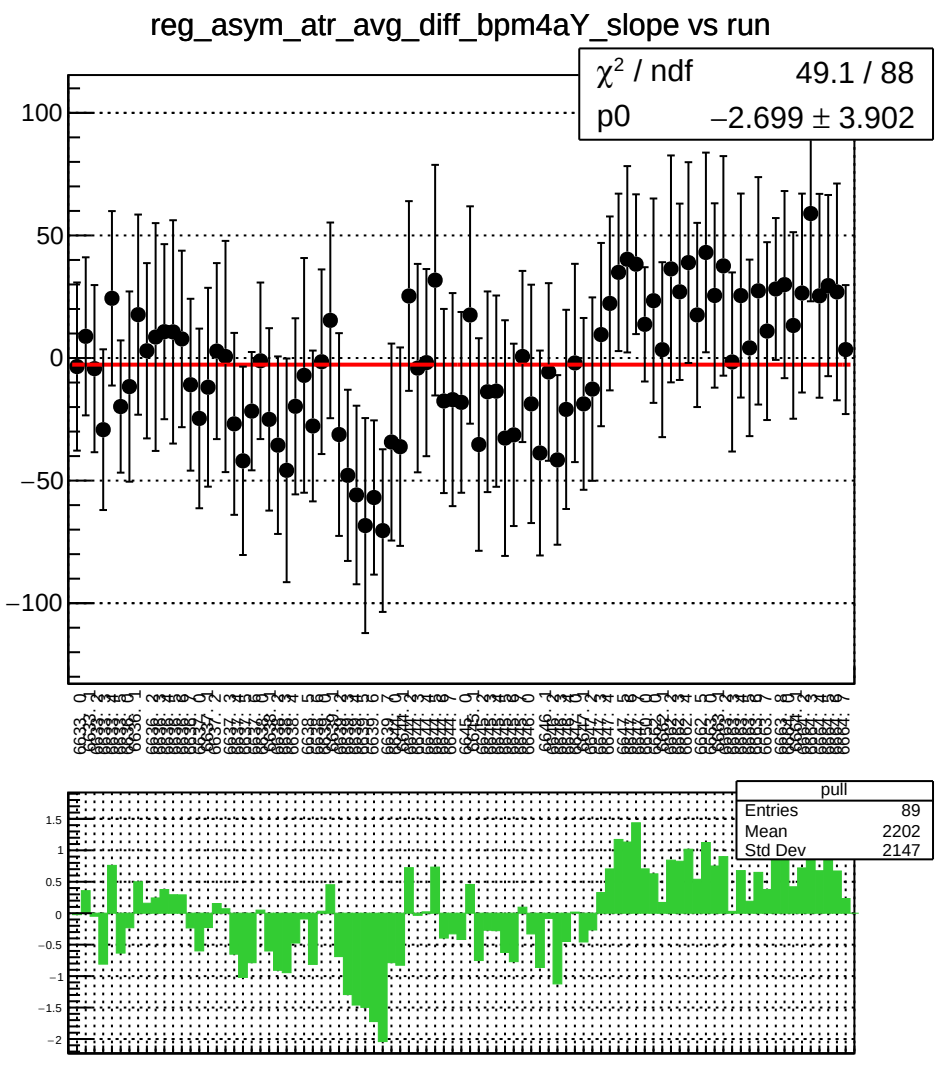

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.85 / 88
p0 −102 ± 4.127
0
−50
−100
−150
−200
pull
Entries 89
Mean −274.1
Std Dev 324.8
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 89
Mean 0.03184
Std Dev 0.7249
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

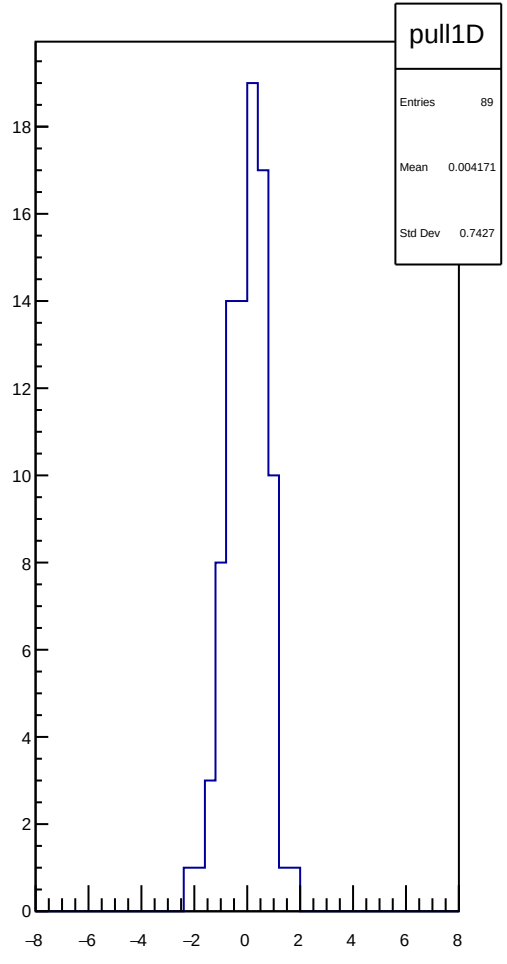

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 56.41 / 88
p0 157.7 ± 0.2281
164
162
160
158
156
154
152
pull
Entries 89
Mean −762
Std Dev 806.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

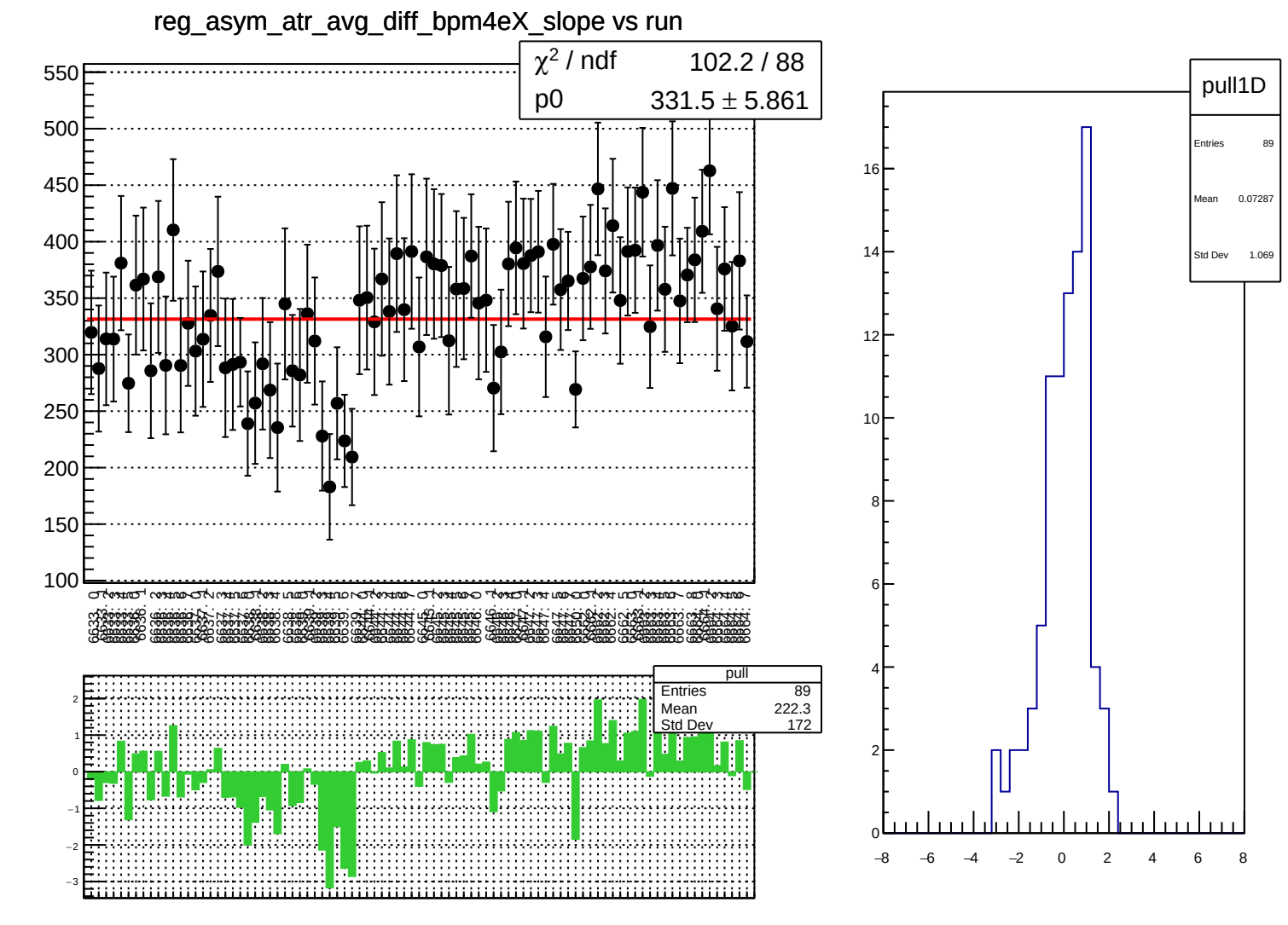

pull1D
Entries 89
Mean −0.01847
Std Dev 0.7959
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

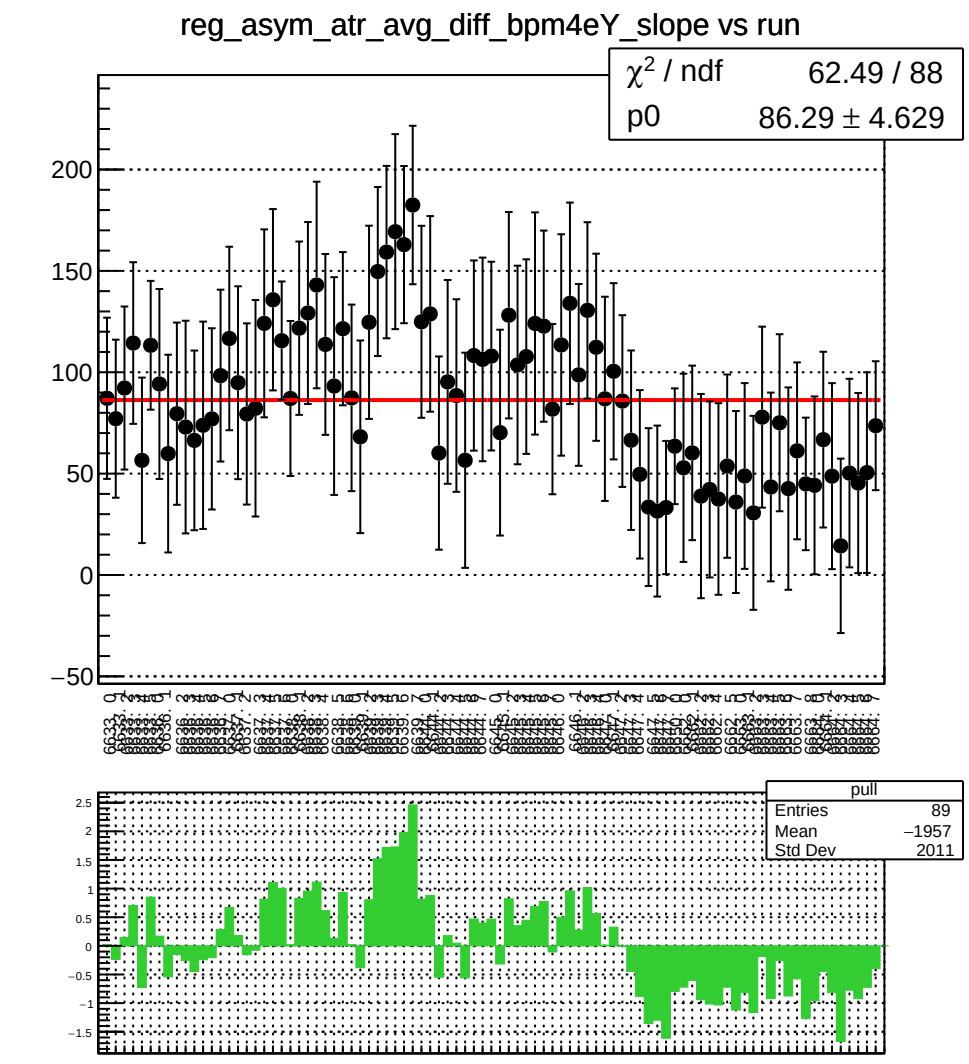

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 99.46 / 88
p0 −277.4 ± 5.478
pull
Entries 89
Mean 237.2
Std Dev 187.6

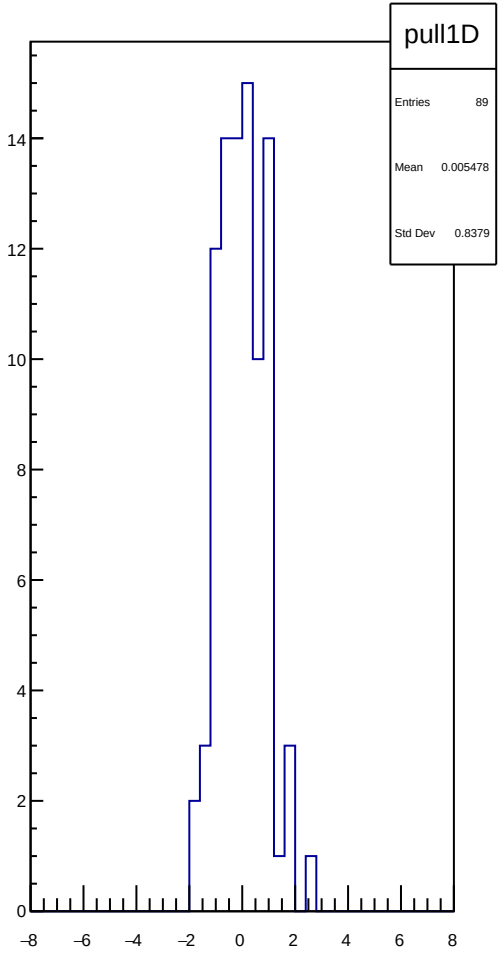

pull1D
Entries 89
Mean −0.06511
Std Dev 1.055

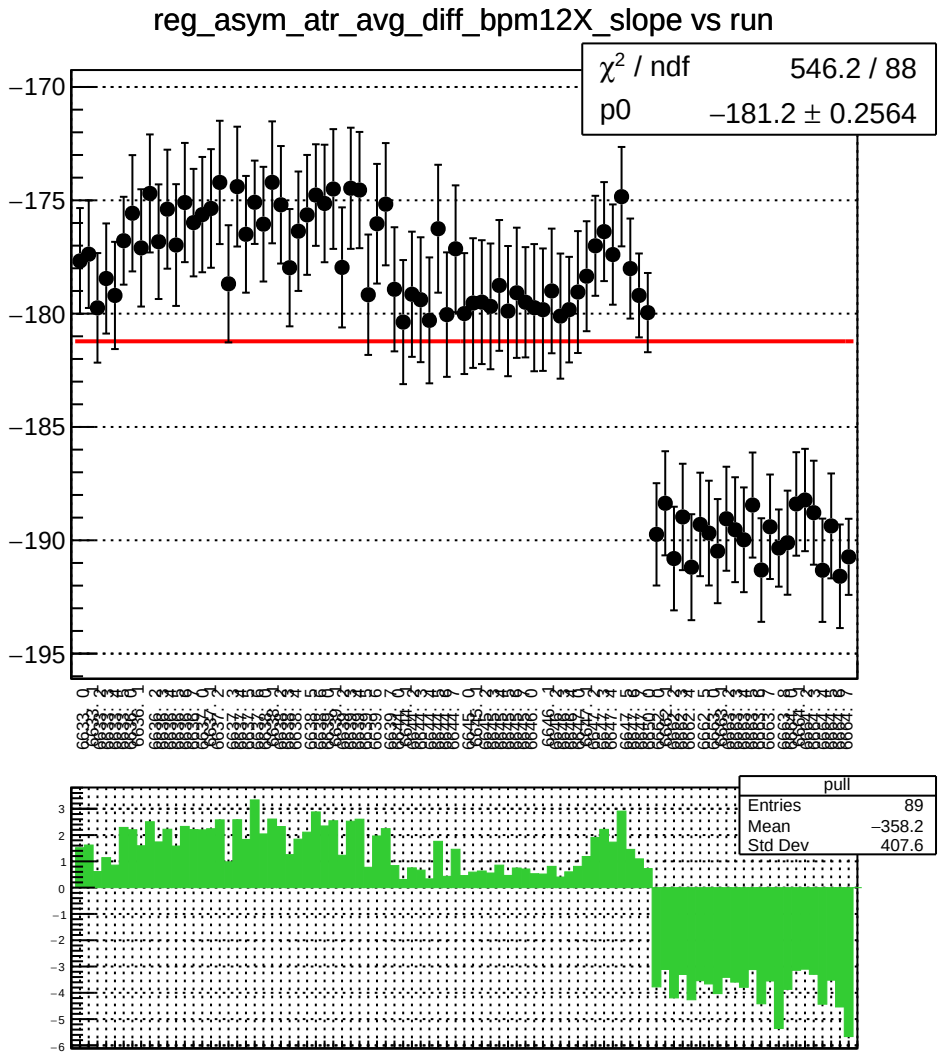

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.1 / 88
p0 −2.699 ± 3.902
100
50
0
−50
−100
pull
Entries 89
Mean 2202
Std Dev 2147
1.5
1
0.5
0
−0.5
−1
−1.5
−2

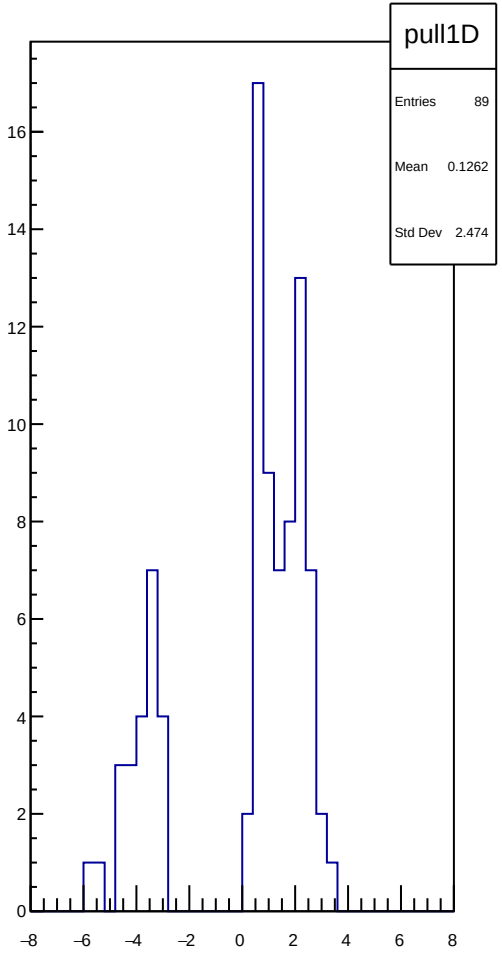

pull1D
Entries 89
Mean 0.004171
Std Dev 0.7427
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

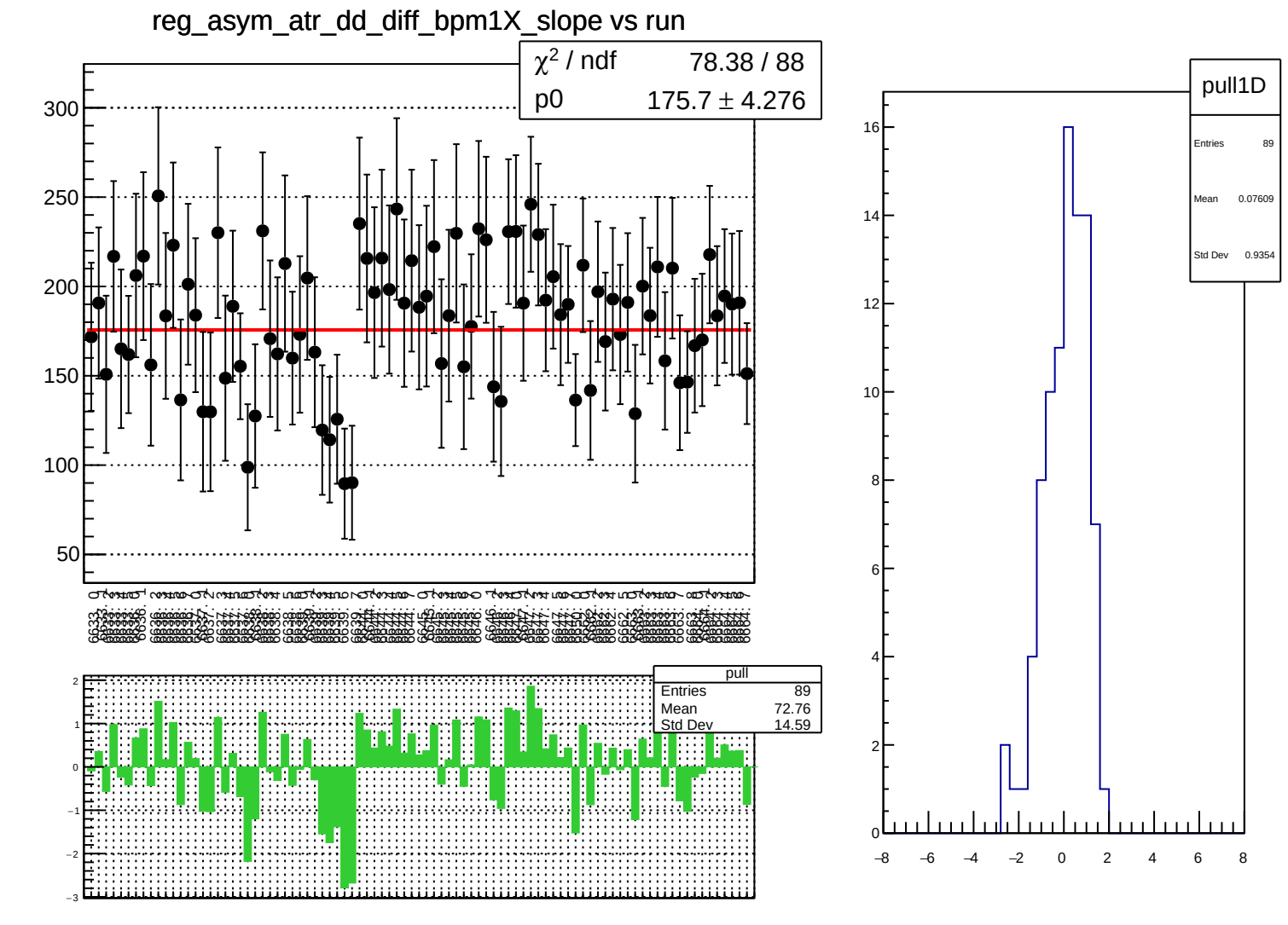

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 102.2 / 88
p0 331.5 ± 5.861
pull
Entries 89
Mean 222.3
Std Dev 172
pull1D
Entries 89
Mean 0.07287
Std Dev 1.069

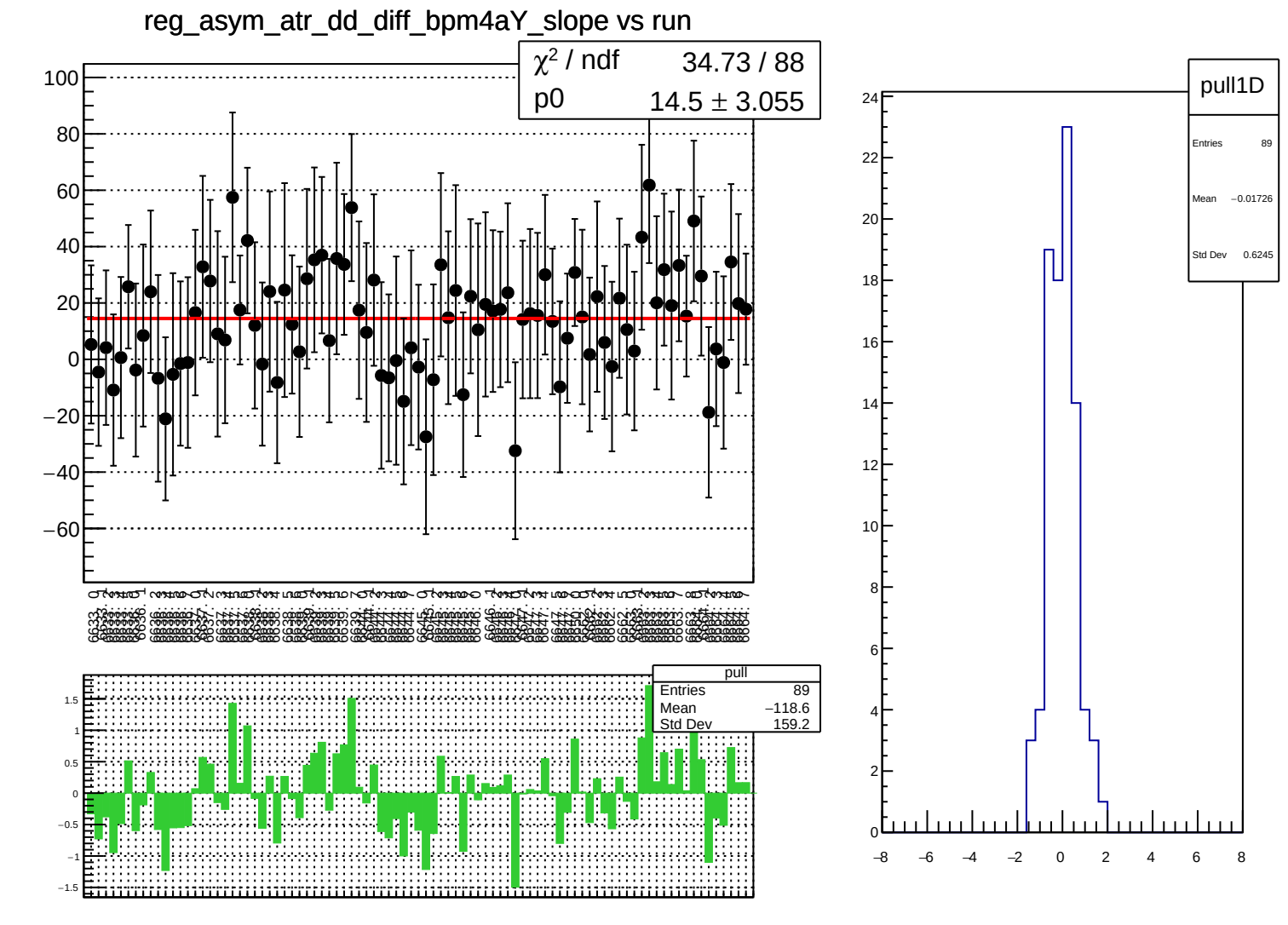

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.49 / 88
p0 86.29 ± 4.629
pull
Entries 89
Mean −1957
Std Dev 2011

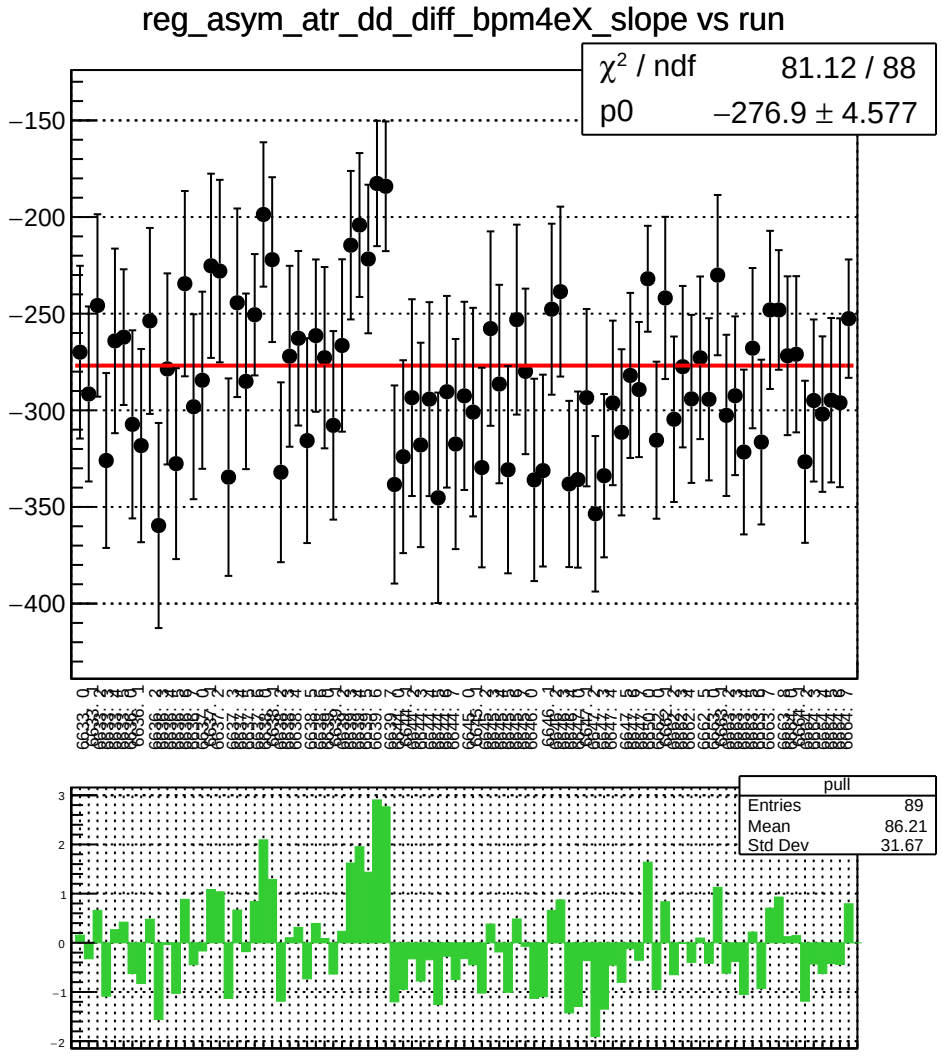

pull1D
Entries 89
Mean 0.005478
Std Dev 0.8379

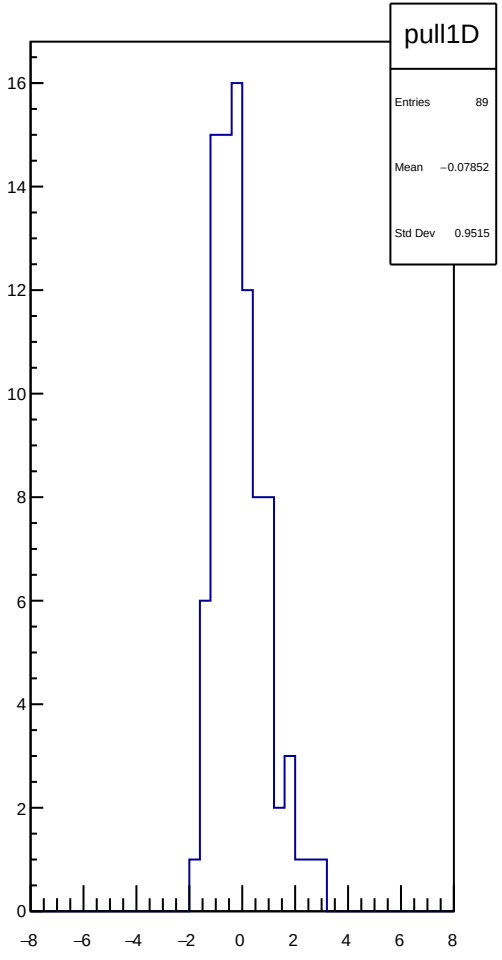

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 546.2 / 88
p0 −181.2 ± 0.2564
pull
Entries 89
Mean −358.2
Std Dev 407.6

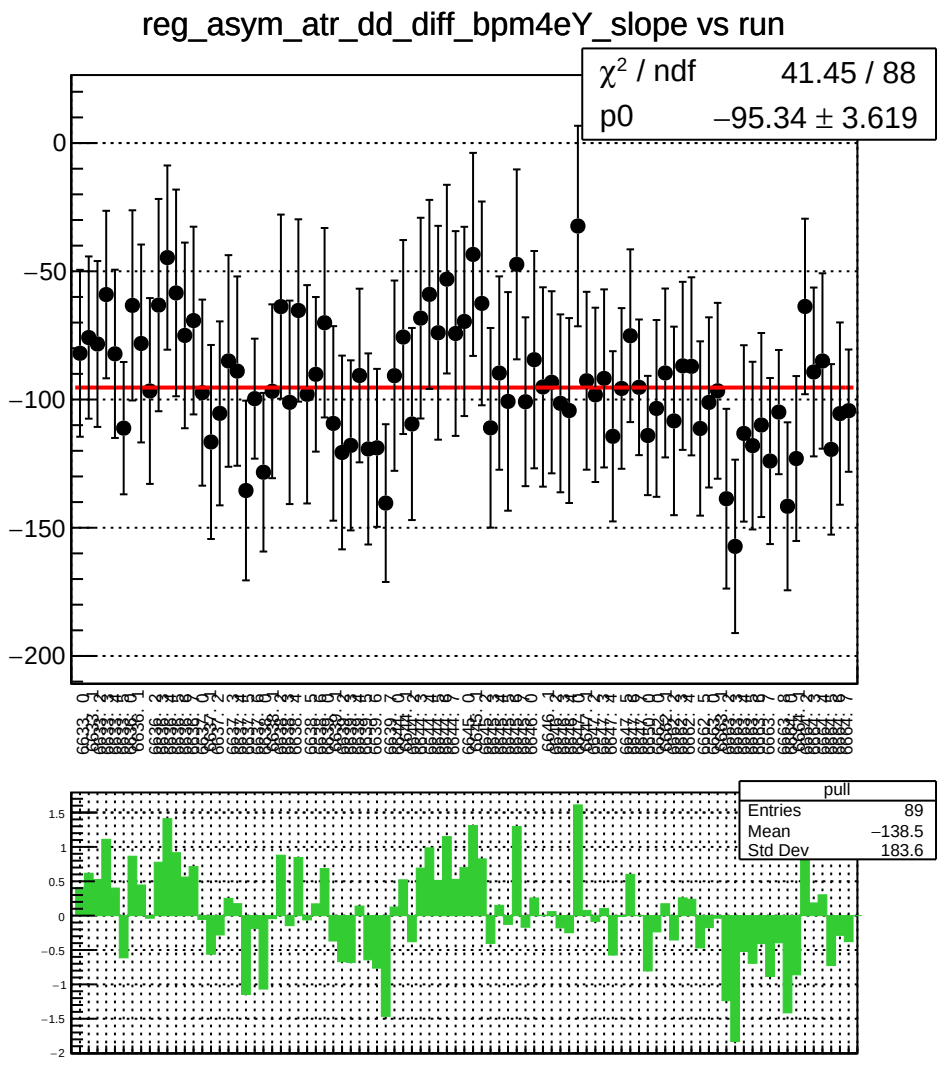

pull1D
Entries 89
Mean 0.1262
Std Dev 2.474

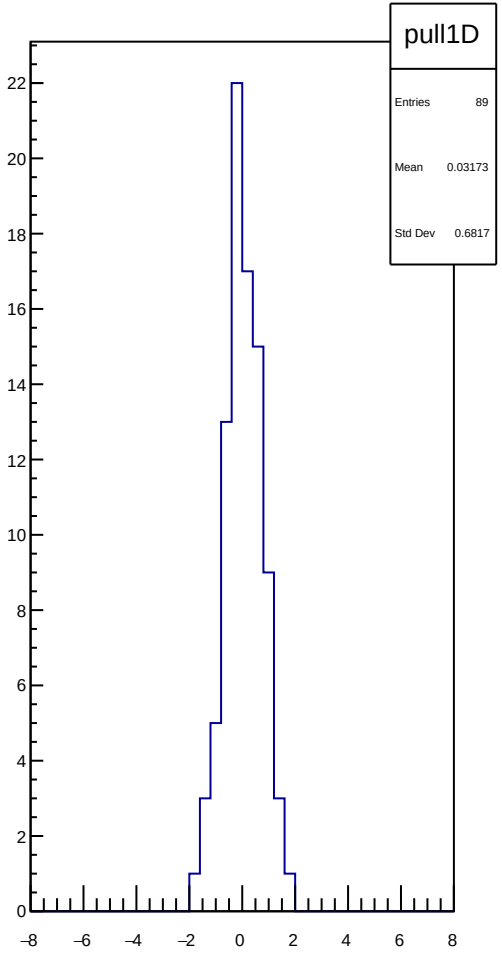

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 78.38 / 88
p0 175.7 ± 4.276
pull
Entries 89
Mean 72.76
Std Dev 14.59
pull1D
Entries 89
Mean 0.07609
Std Dev 0.9354

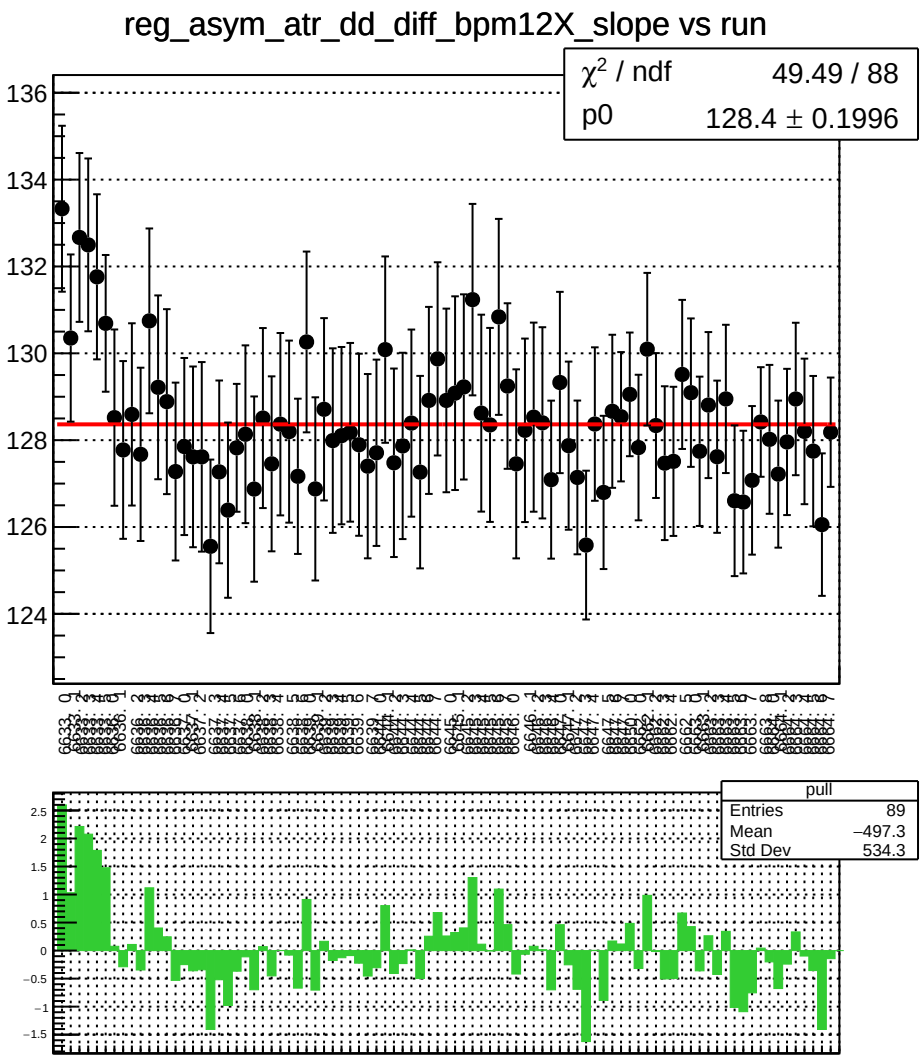

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.73 / 88
p0 14.5 ± 3.055
pull
Entries 89
Mean −118.6
Std Dev 159.2
pull1D
Entries 89
Mean −0.01726
Std Dev 0.6245

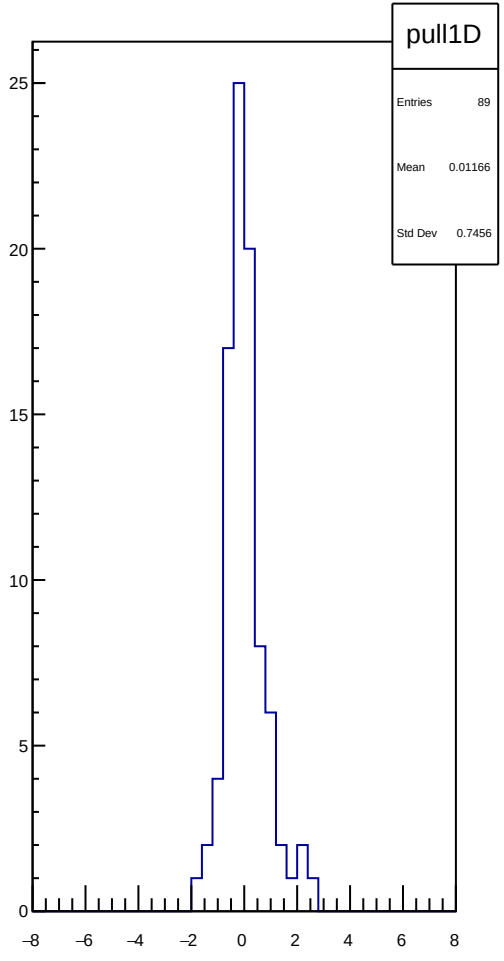

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 81.12 / 88
p0 −276.9 ± 4.577
−150
−200
−250
−300
−350
−400
pull
Entries 89
Mean 86.21
Std Dev 31.67
3
2
1
0
−1
−2

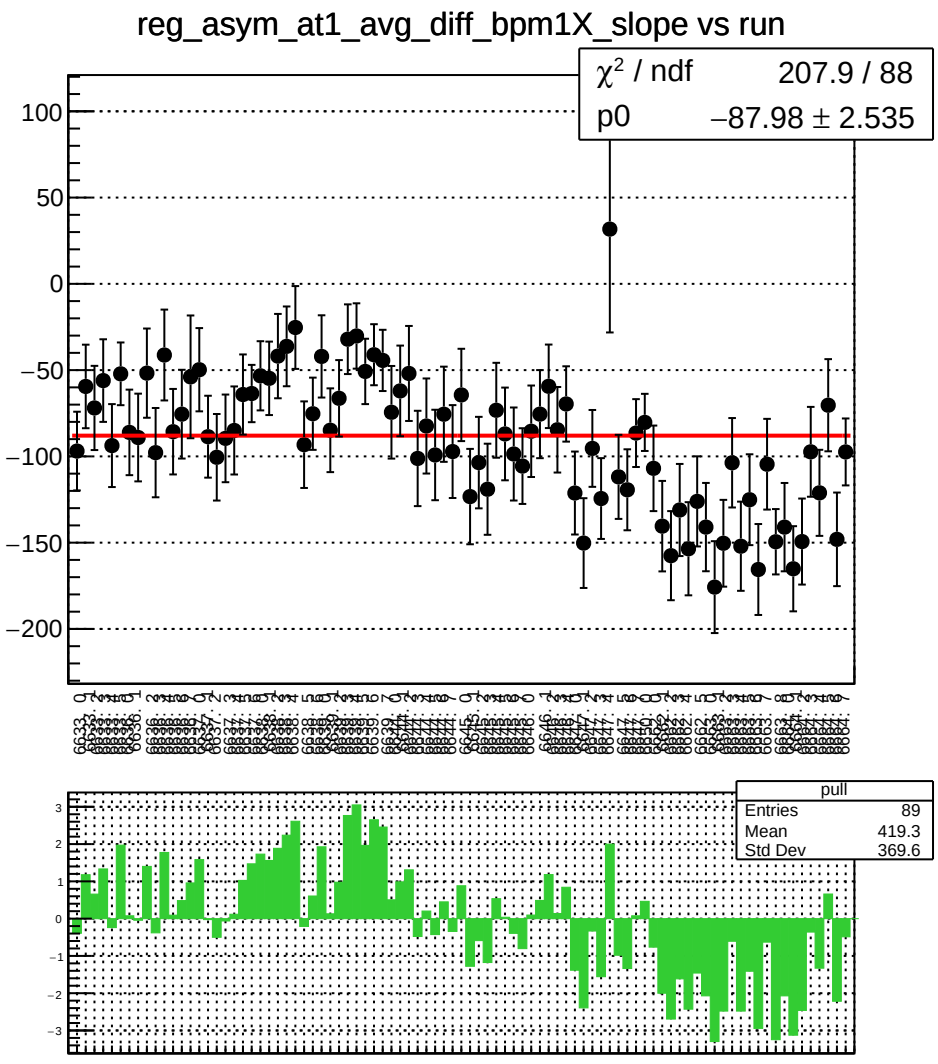

pull1D
Entries 89
Mean −0.07852
Std Dev 0.9515
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

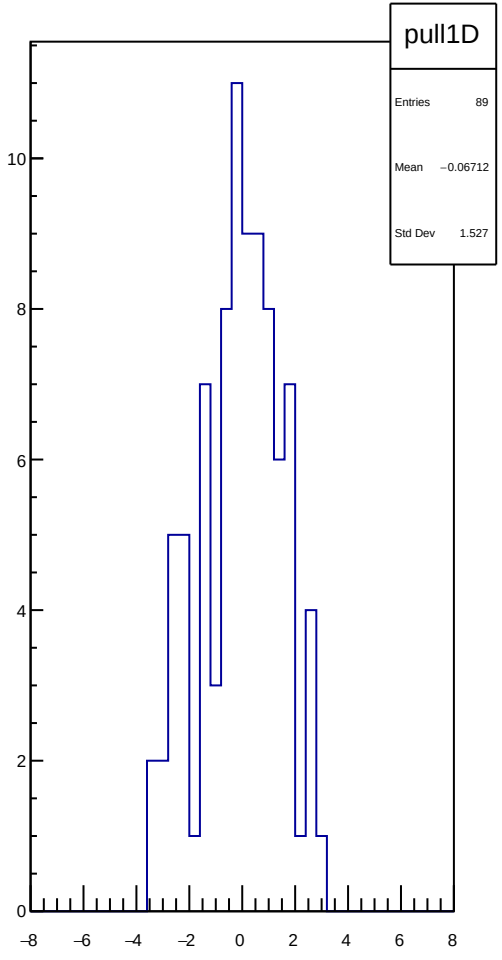

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.45 / 88
p0 −95.34 ± 3.619
pull
Entries 89
Mean −138.5
Std Dev 183.6

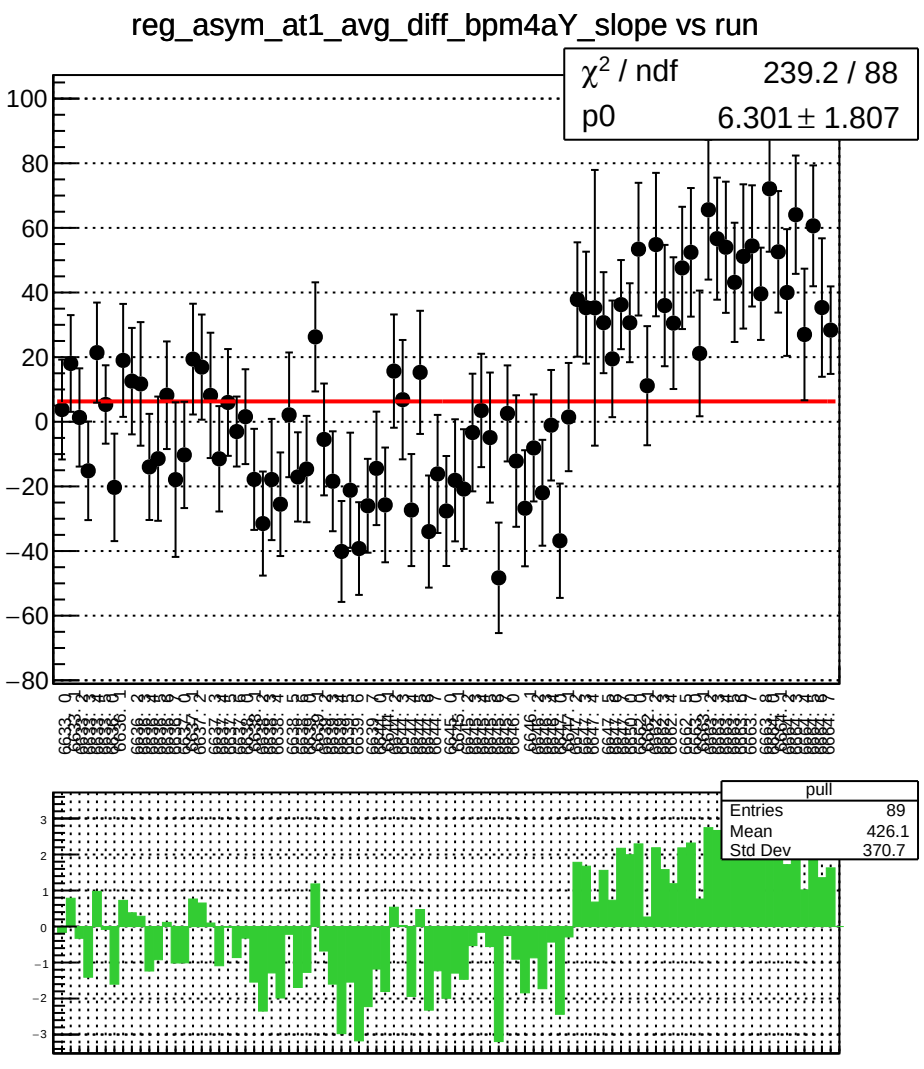

pull1D
Entries 89
Mean 0.03173
Std Dev 0.6817

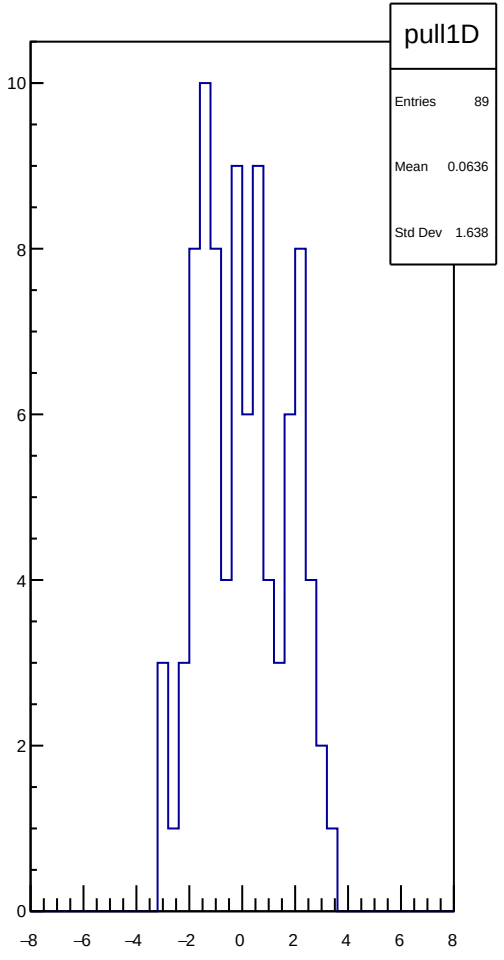

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 49.49 / 88
p0 128.4 ± 0.1996
136
134
132
130
128
126
124
pull
Entries 89
Mean −497.3
Std Dev 534.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

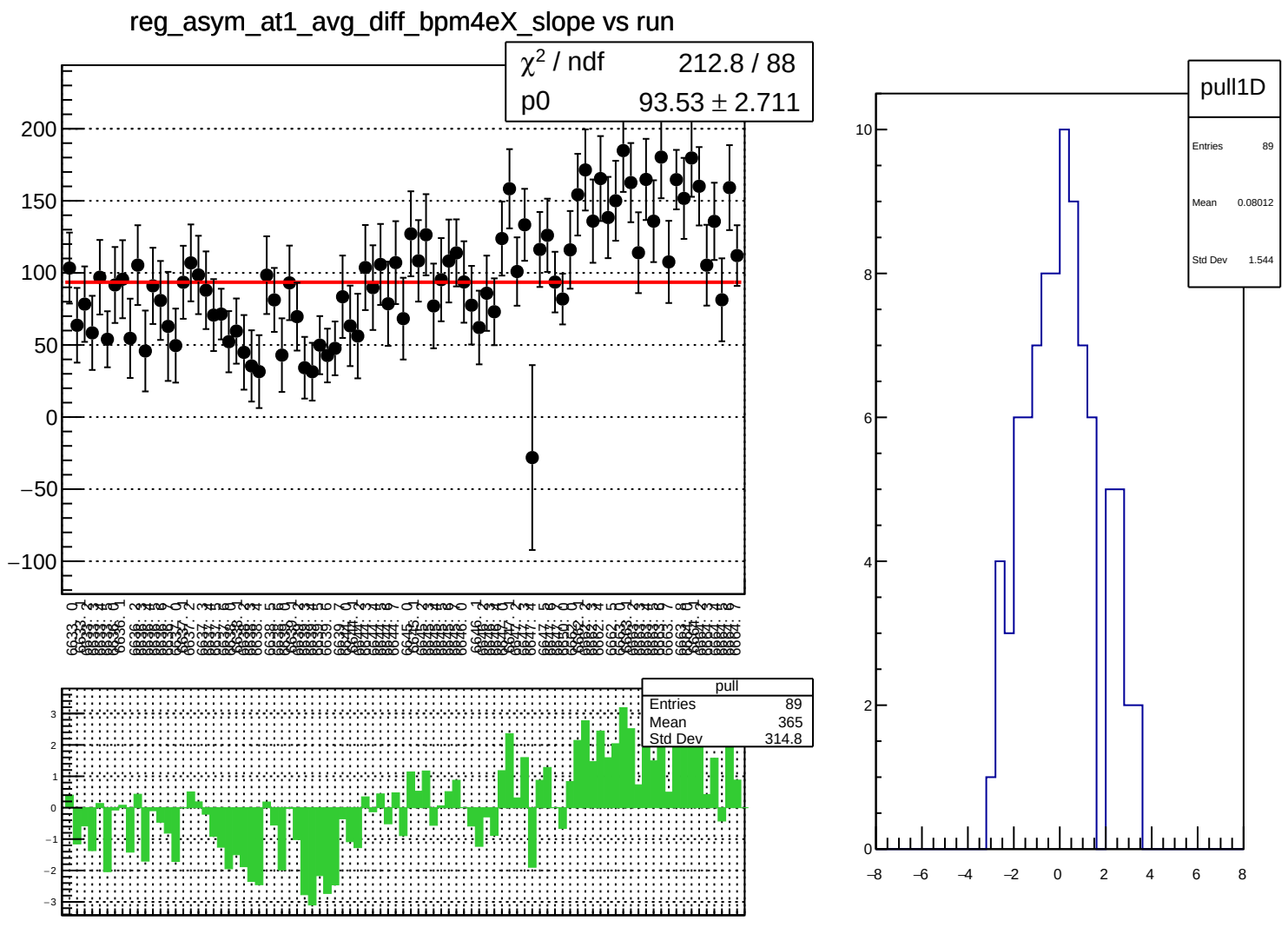

pull1D
Entries 89
Mean 0.01166
Std Dev 0.7456
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

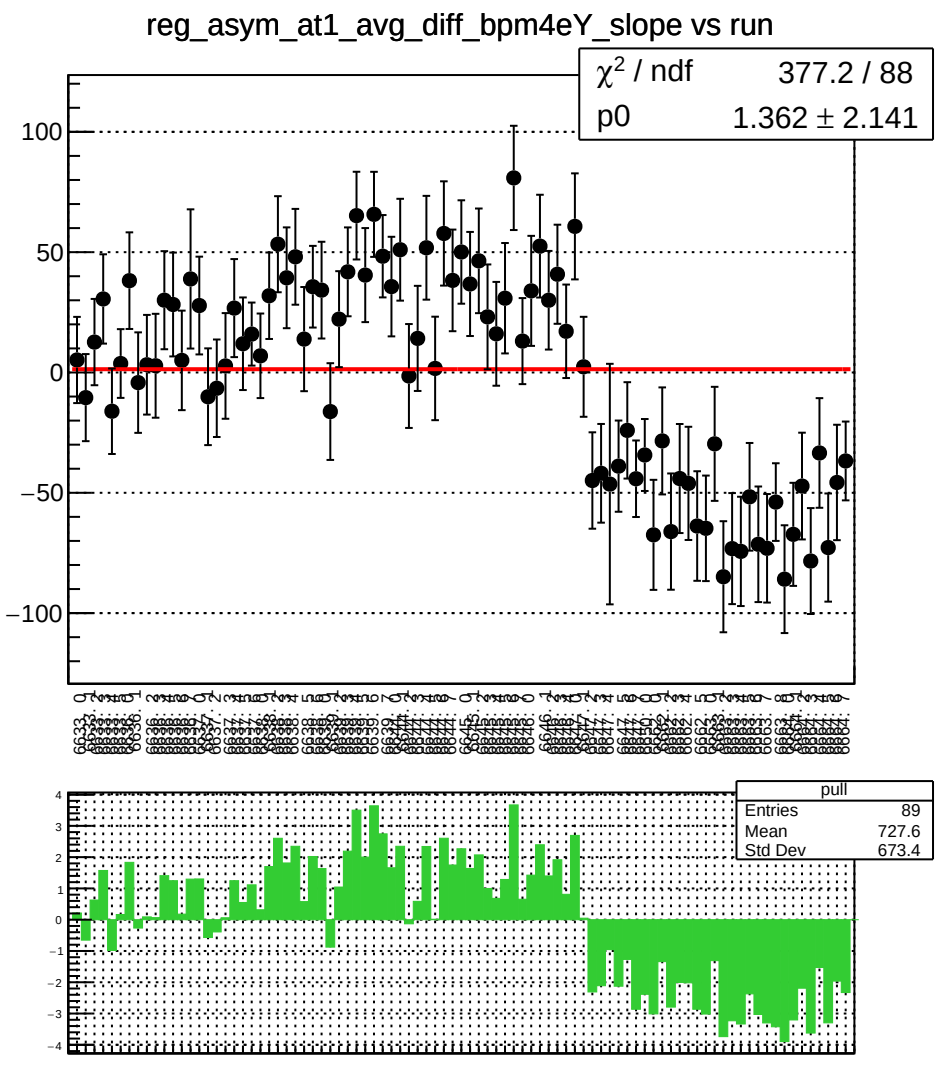

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 207.9 / 88
p0 −87.98 ± 2.535
pull
Entries 89
Mean 419.3
Std Dev 369.6

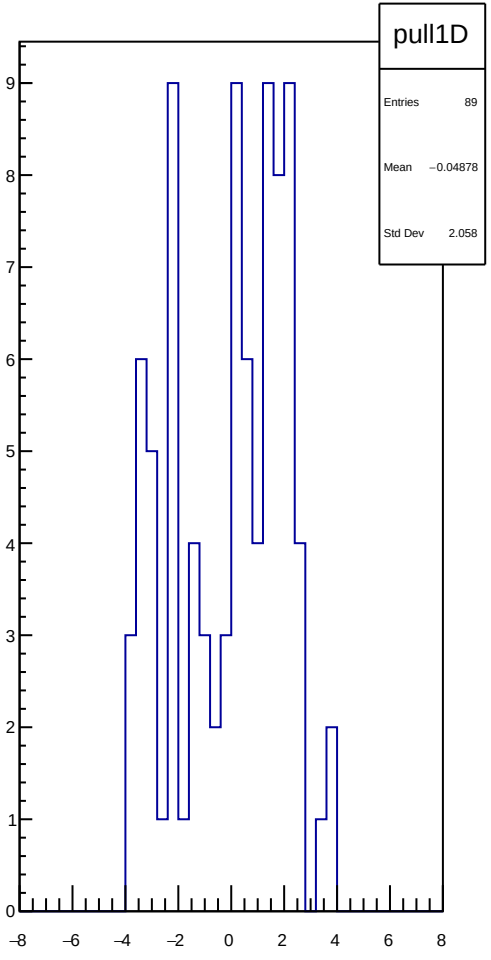

pull1D
Entries 89
Mean −0.06712
Std Dev 1.527

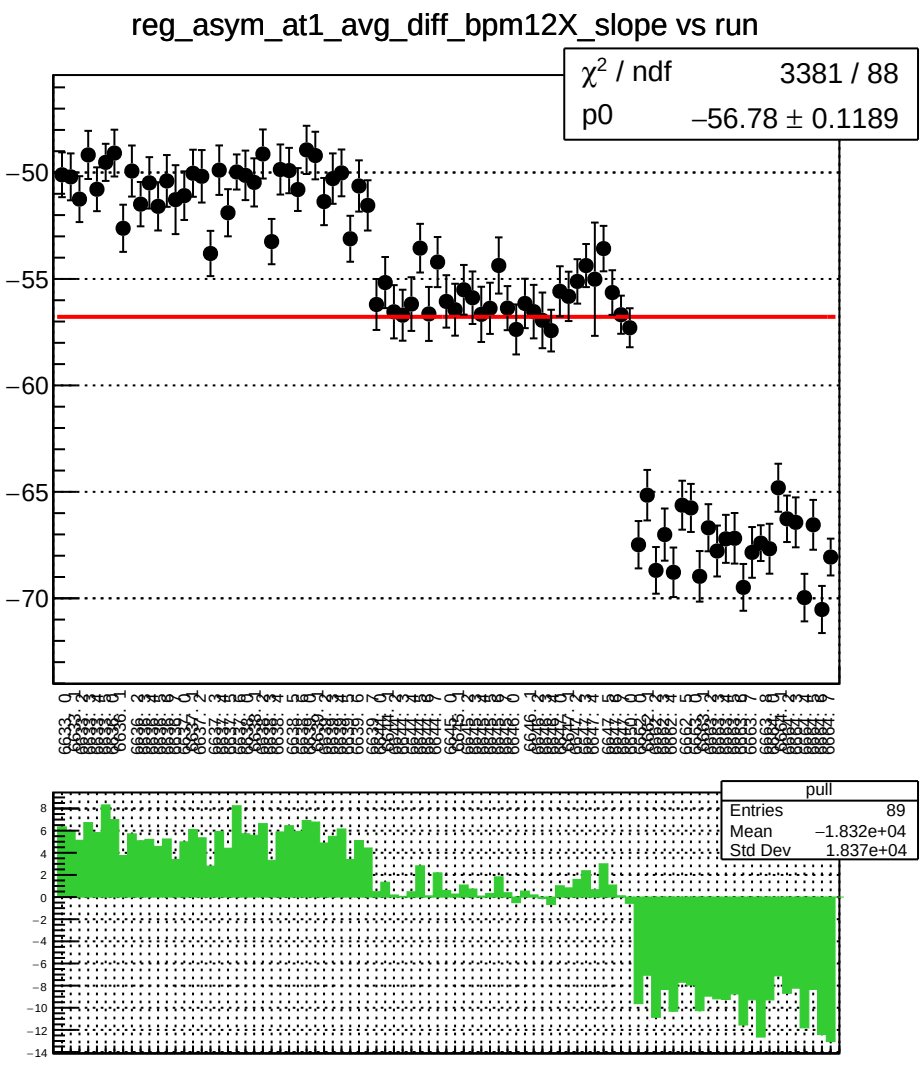

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 239.2 / 88
p0 6.301 ± 1.807
pull
Entries 89
Mean 426.1
Std Dev 370.7

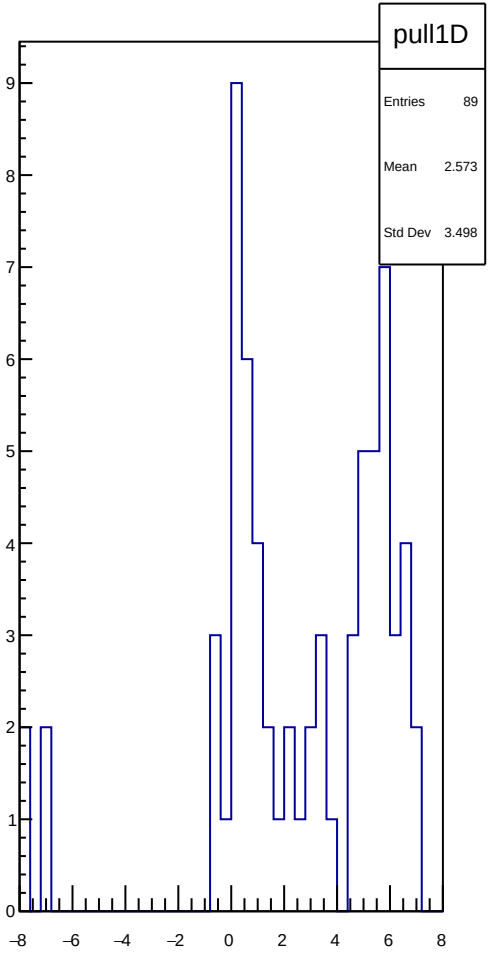

pull1D
Entries 89
Mean 0.0636
Std Dev 1.638

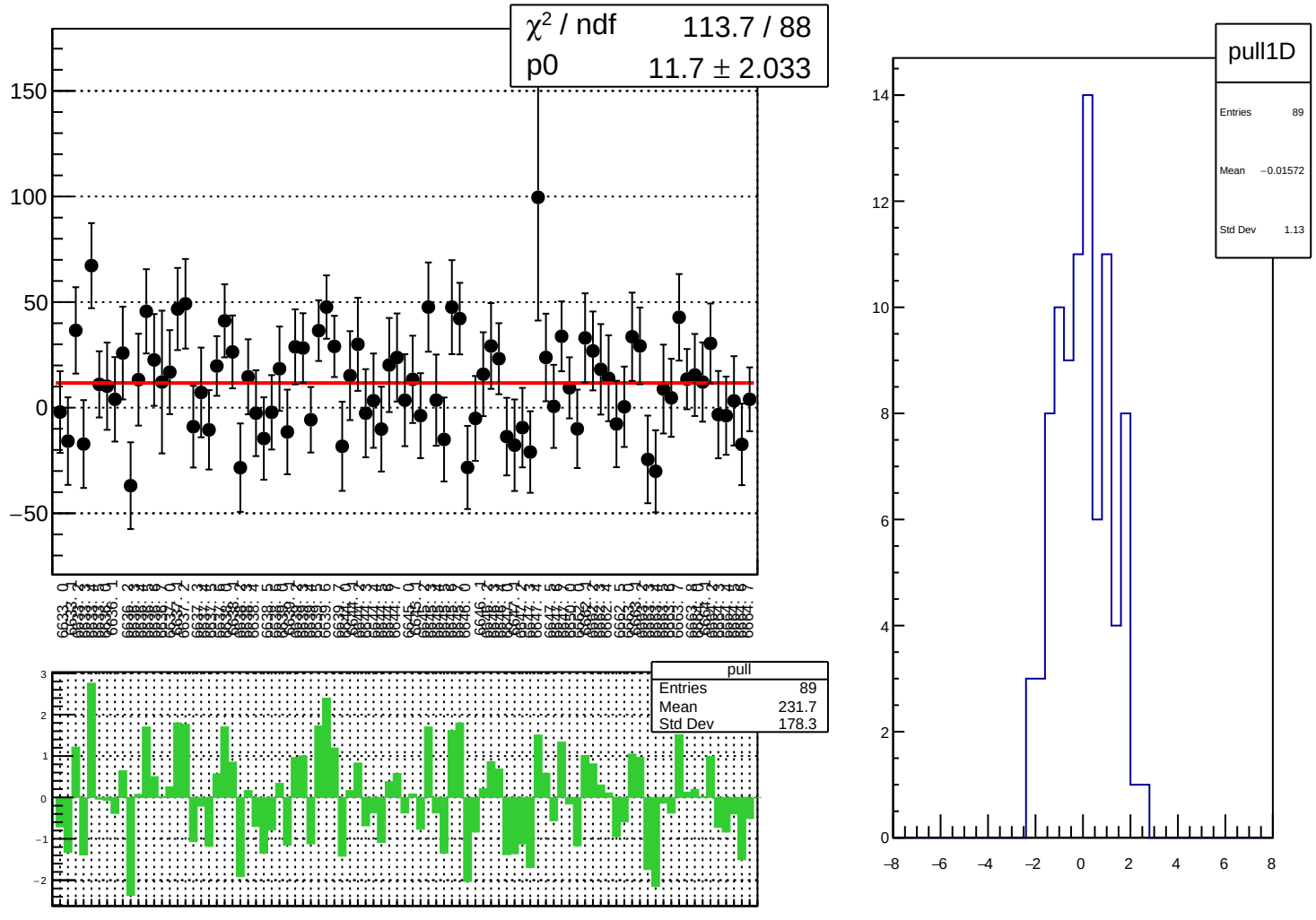

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 212.8 / 88
p0 93.53 ± 2.711
200
150
100
50
0
−50
−100
pull
Entries 89
Mean 365
Std Dev 314.8
3
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.08012
Std Dev 1.544
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

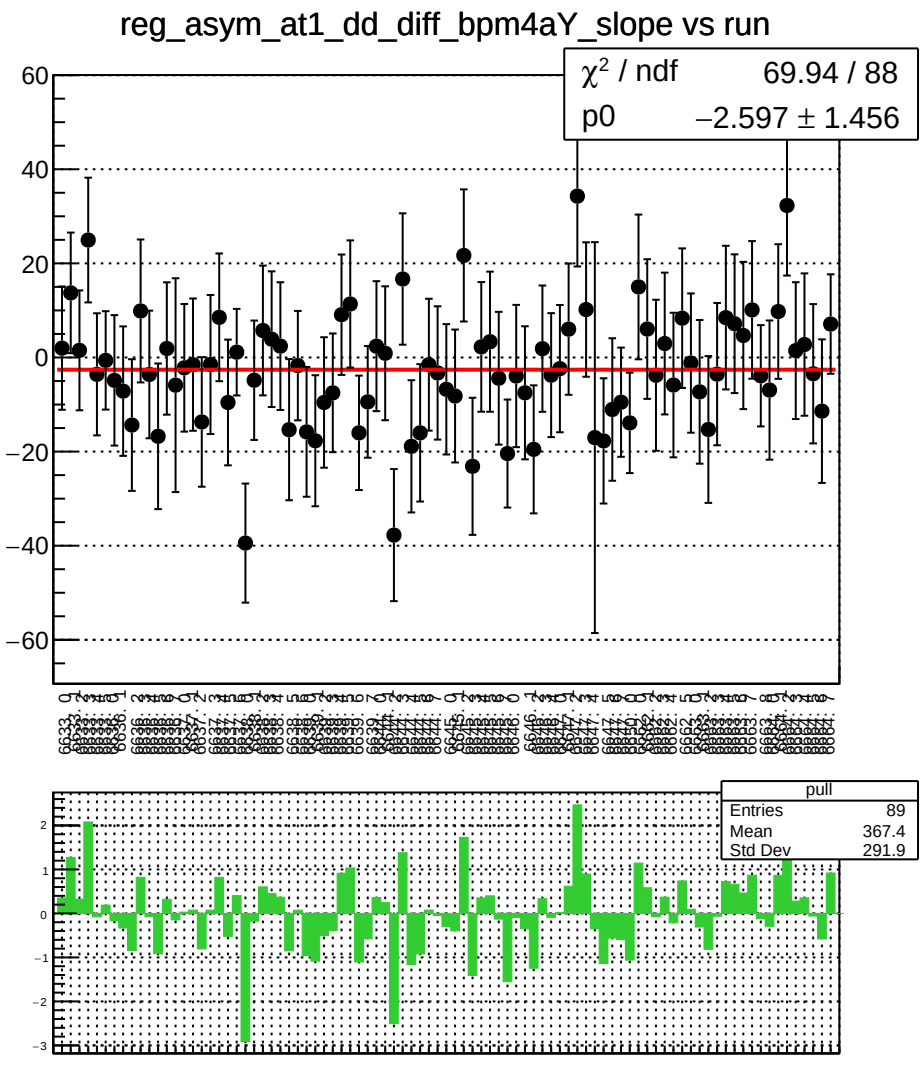

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 377.2 / 88
p0 1.362 ± 2.141
100
50
0
−50
−100
pull
Entries 89
Mean 727.6
Std Dev 673.4
4
3
2
1
0
−1
−2
−3
−4

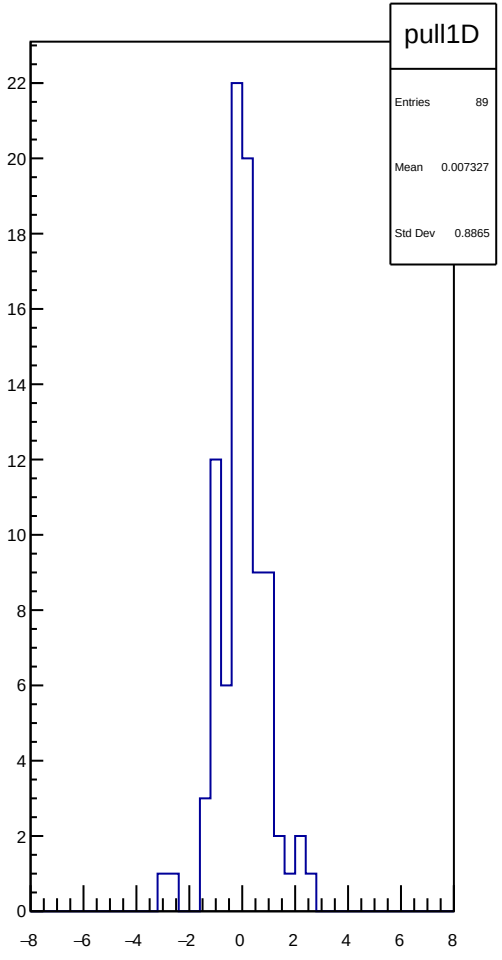

pull1D
Entries 89
Mean −0.04878
Std Dev 2.058
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

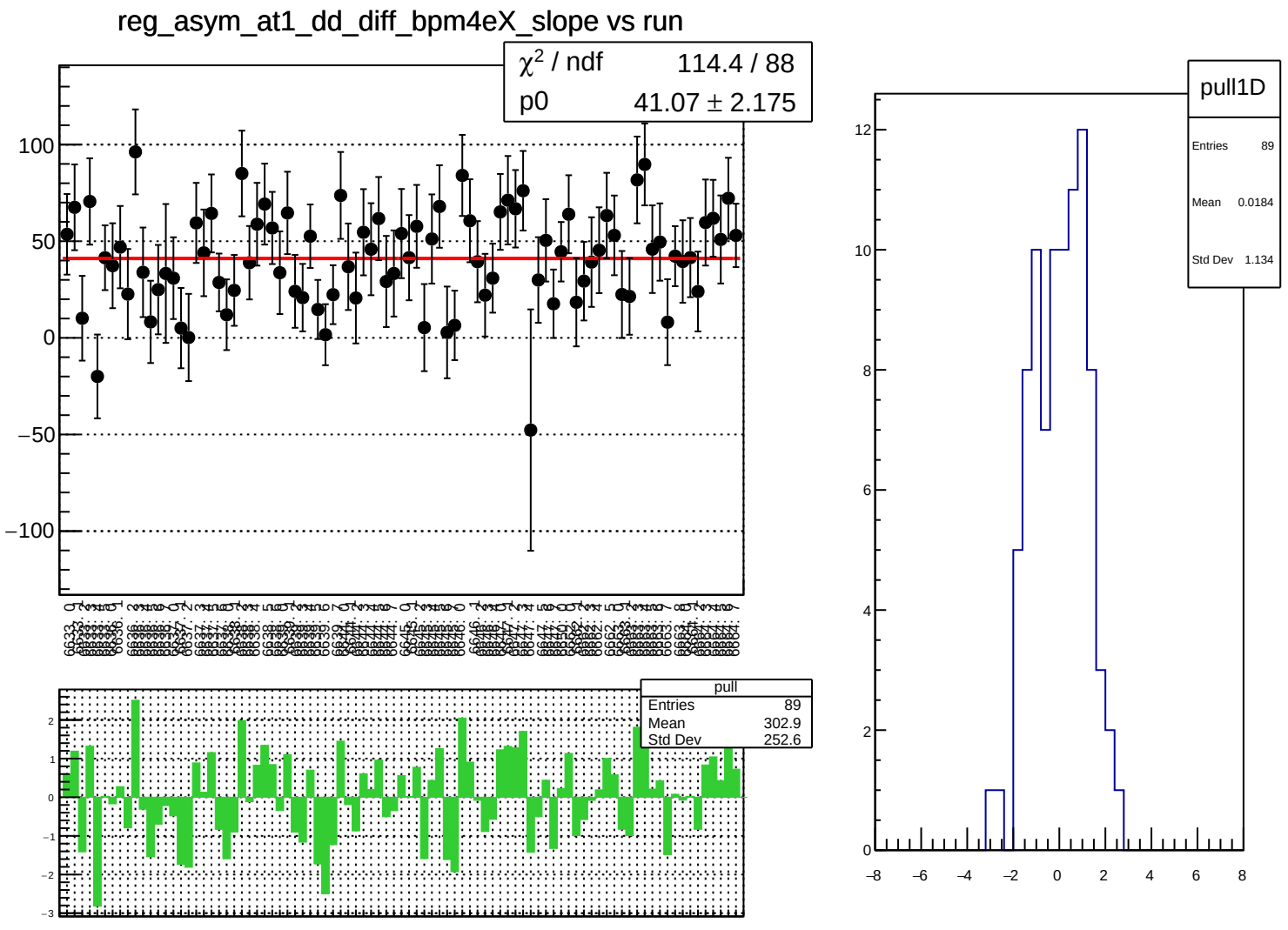

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 3381 / 88
p0 −56.78 ± 0.1189
−50
−55
−60
−65
−70
pull
Entries 89
Mean −1.832e+04
Std Dev 1.837e+04
8
6
4
2
0
−2
−4
−6
−8
−10
−12
−14

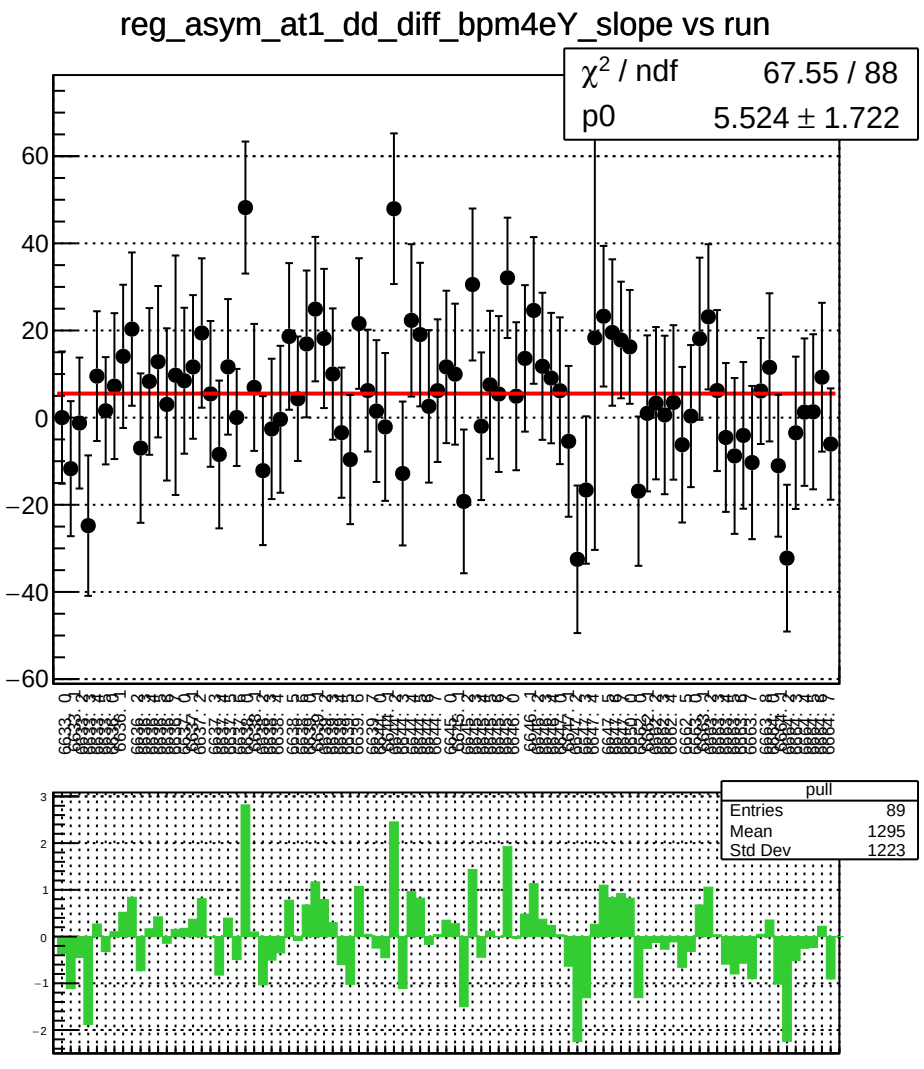

pull1D
Entries 89
Mean 2.573
Std Dev 3.498
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

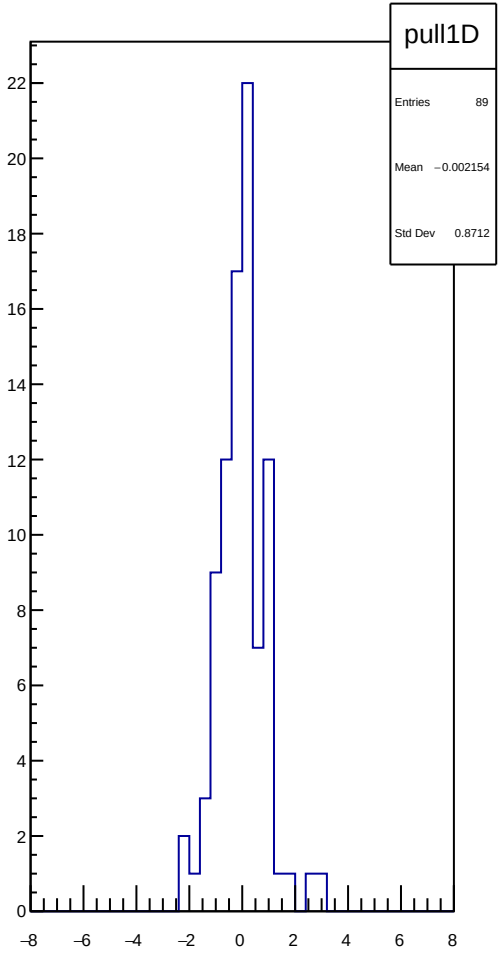

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 113.7 / 88
p0 11.7 ± 2.033
150
100
50
0
−50
pull
Entries 89
Mean 231.7
Std Dev 178.3
3
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.01572
Std Dev 1.13
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

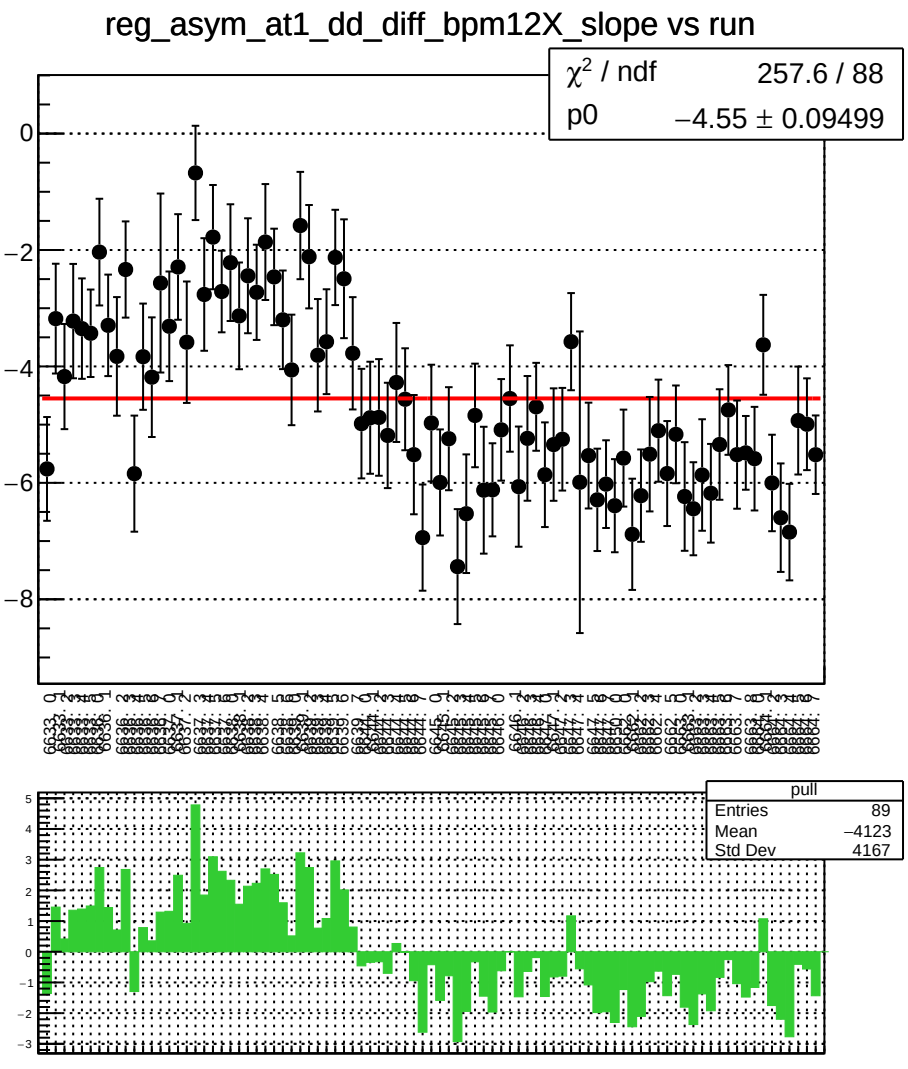

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.94 / 88
p0 −2.597 ± 1.456
pull
Entries 89
Mean 367.4
Std Dev 291.9

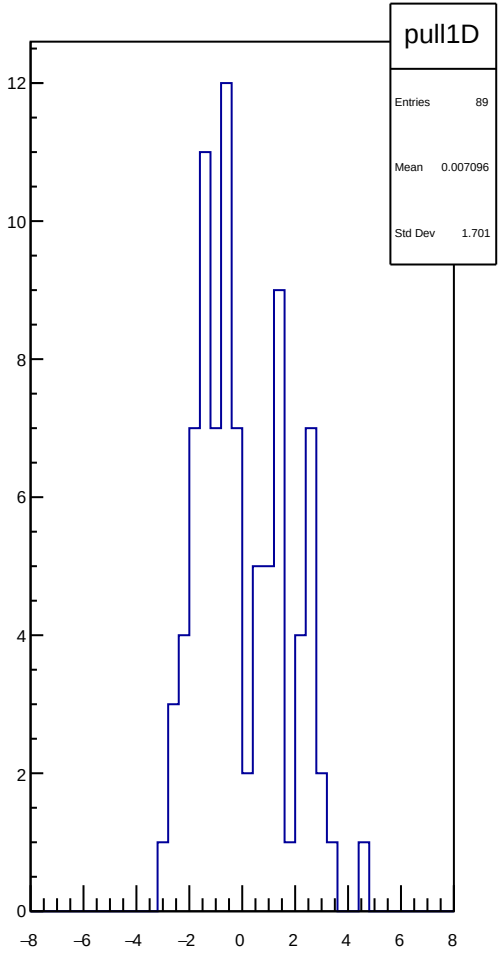

pull1D
Entries 89
Mean 0.007327
Std Dev 0.8865

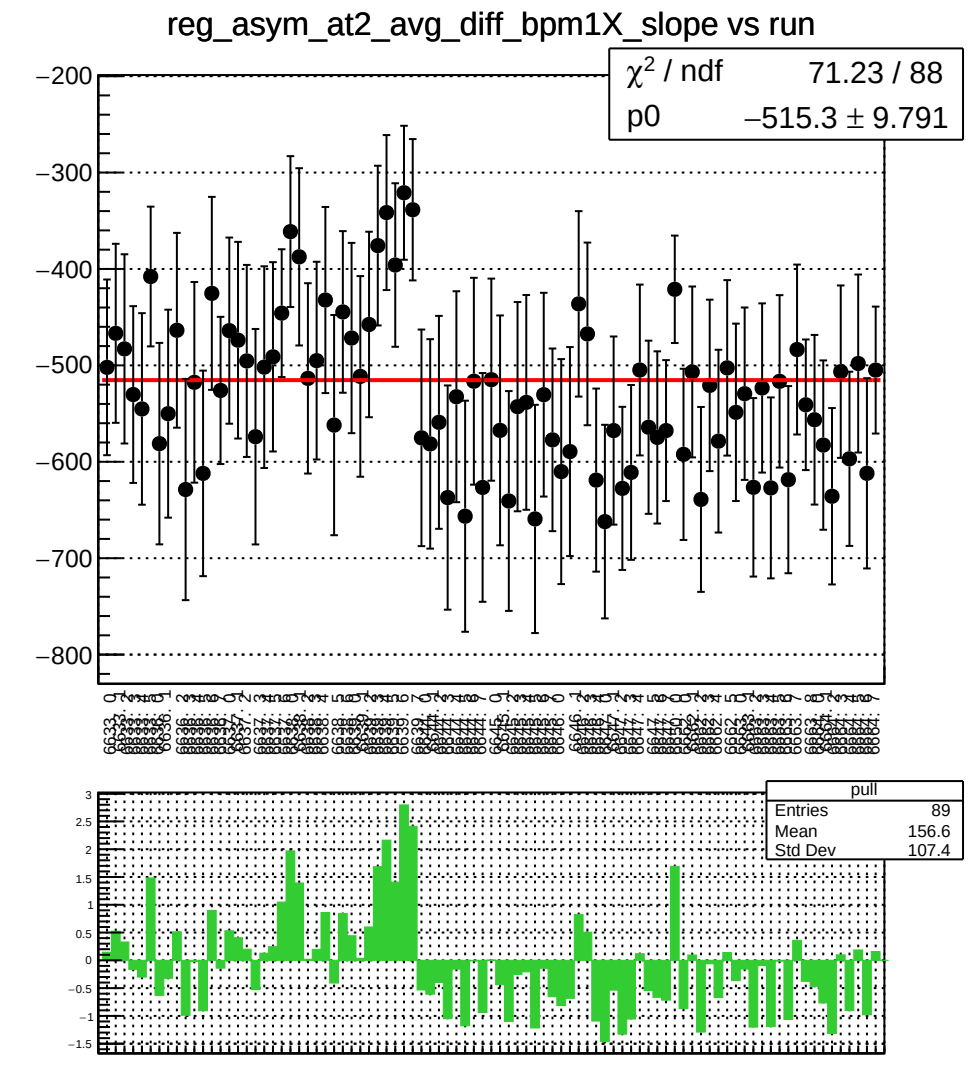

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 114.4 / 88
p0 41.07 ± 2.175
100
50
0
−50
−100
pull
Entries 89
Mean 302.9
Std Dev 252.6
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.0184
Std Dev 1.134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

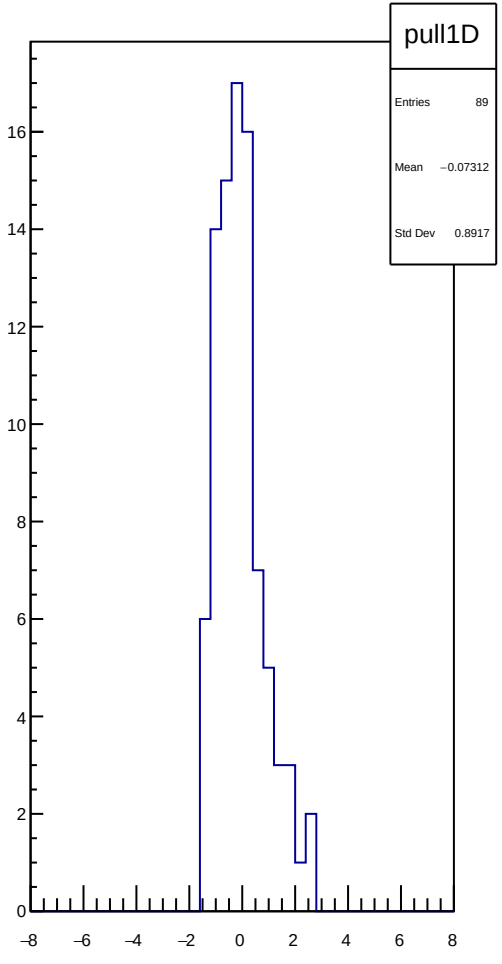

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.55 / 88
p0 5.524 ± 1.722
pull
Entries 89
Mean 1295
Std Dev 1223

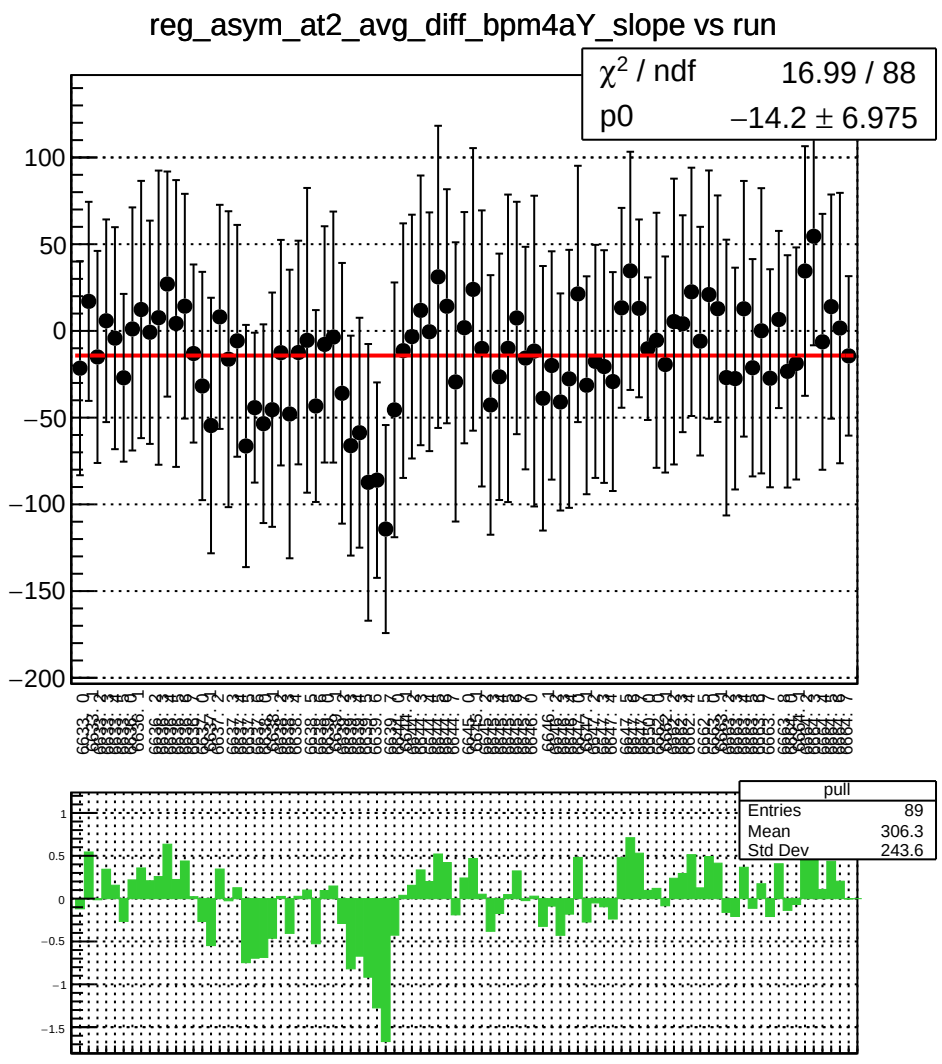

pull1D
Entries 89
Mean −0.002154
Std Dev 0.8712

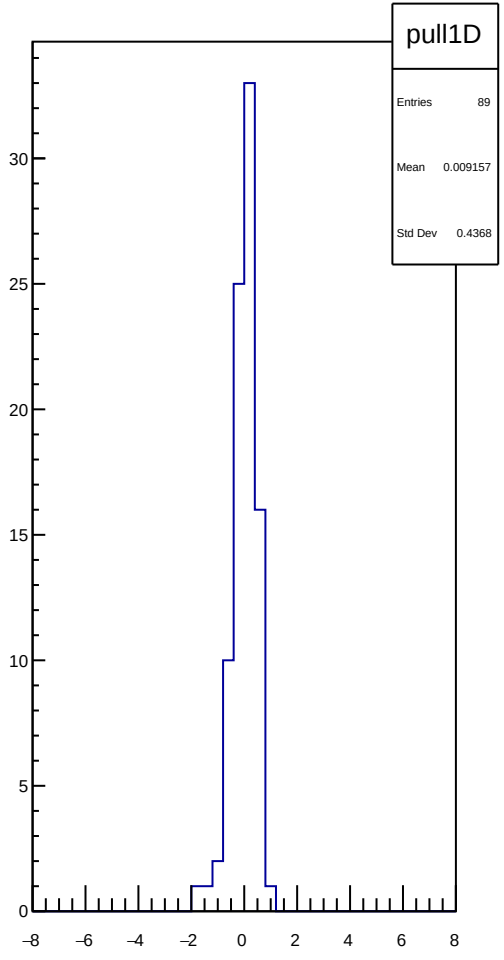

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 257.6 / 88
p0 −4.55 ± 0.09499
pull
Entries 89
Mean −4123
Std Dev 4167

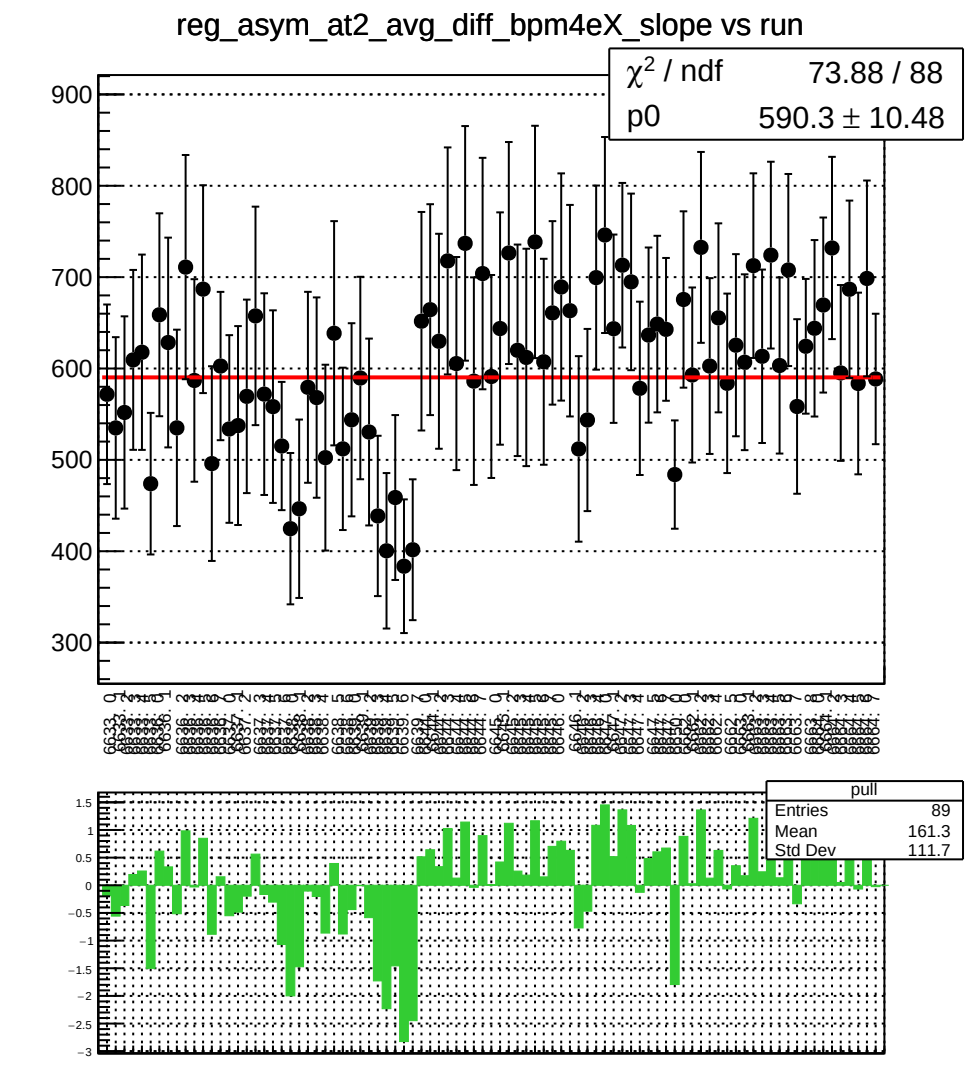

pull1D
Entries 89
Mean 0.007096
Std Dev 1.701

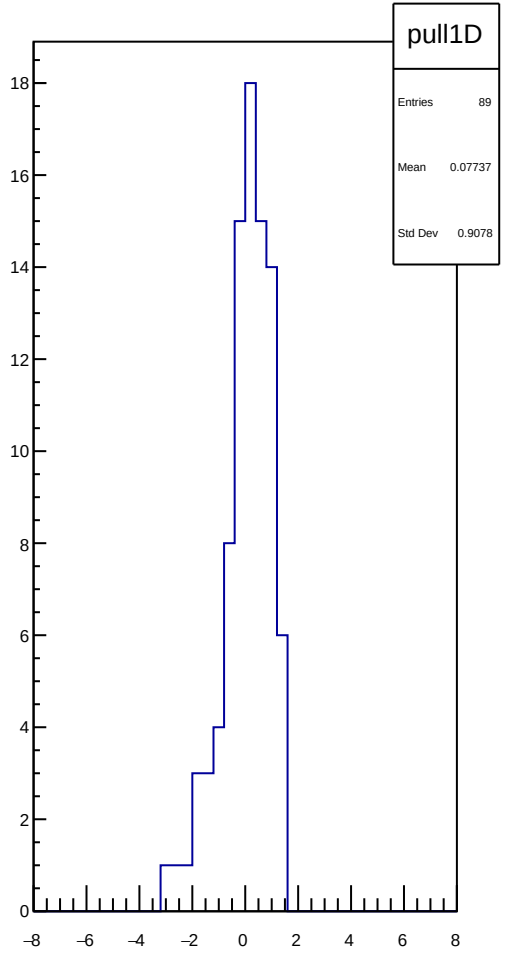

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 71.23 / 88
p0 −515.3 ± 9.791
pull
Entries 89
Mean 156.6
Std Dev 107.4

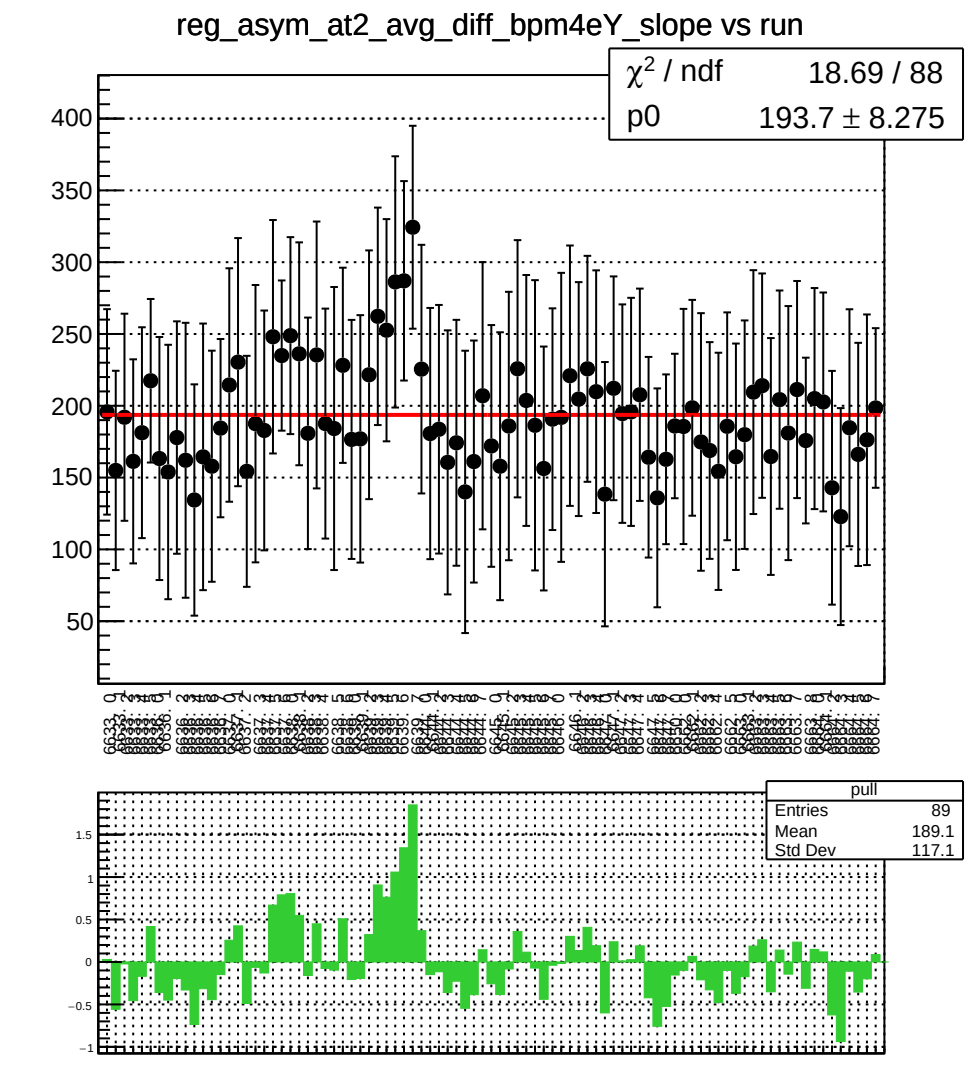

pull1D
Entries 89
Mean −0.07312
Std Dev 0.8917

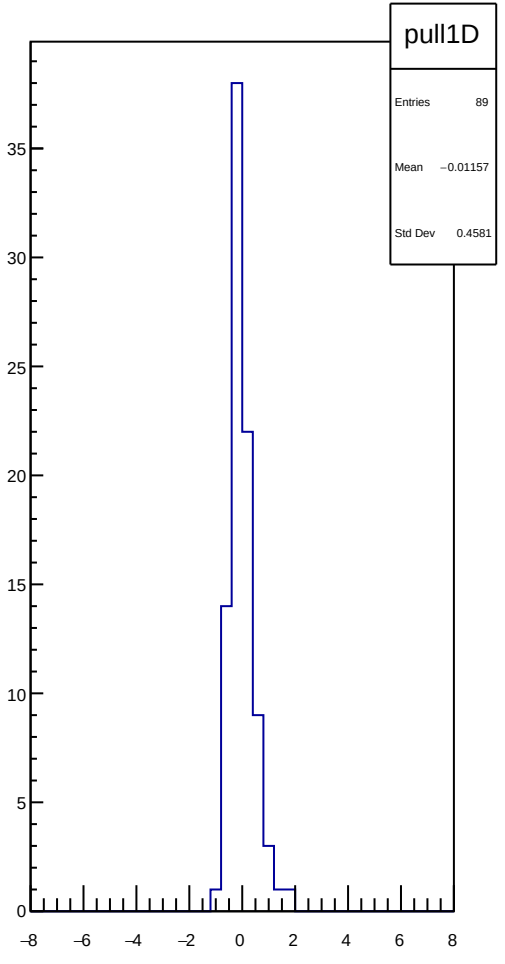

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.99 / 88
p0 −14.2 ± 6.975
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 306.3
Std Dev 243.6
1
0.5
0
−0.5
−1
−1.5

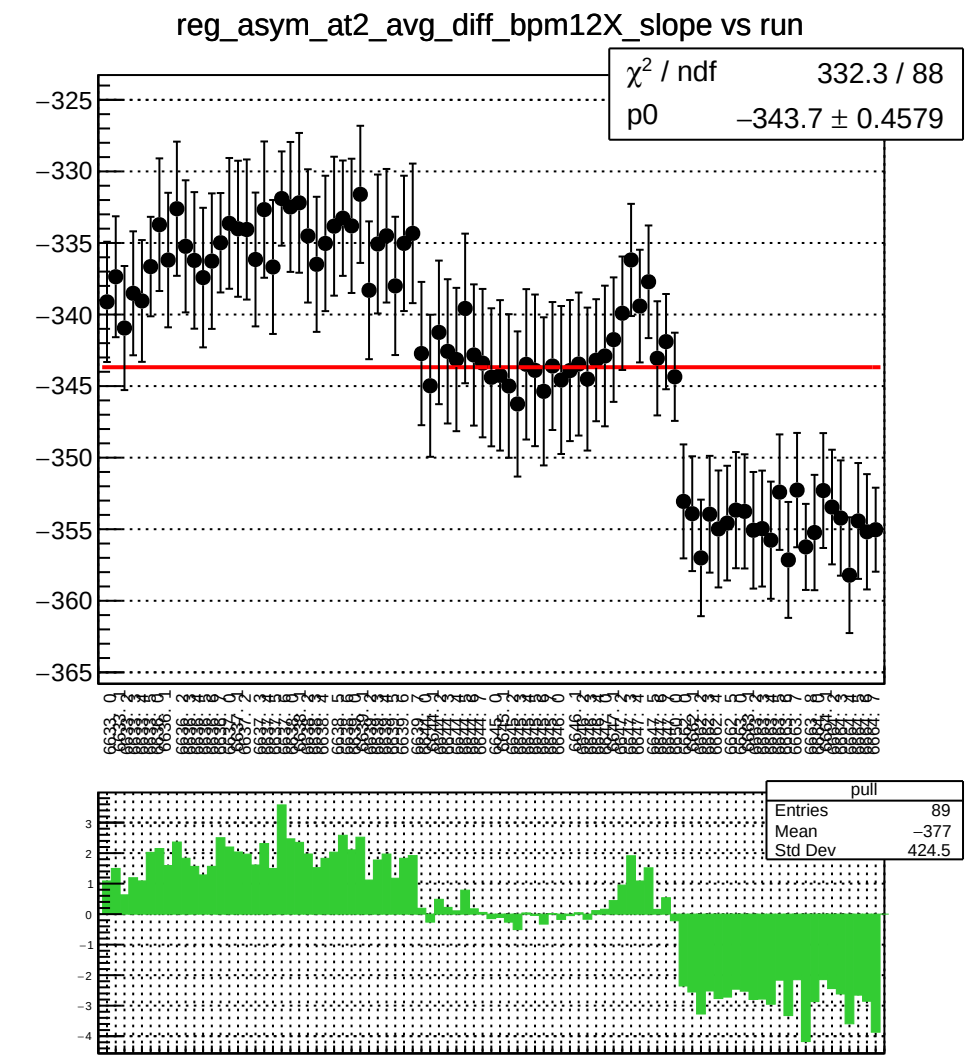

pull1D
Entries 89
Mean 0.009157
Std Dev 0.4368
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

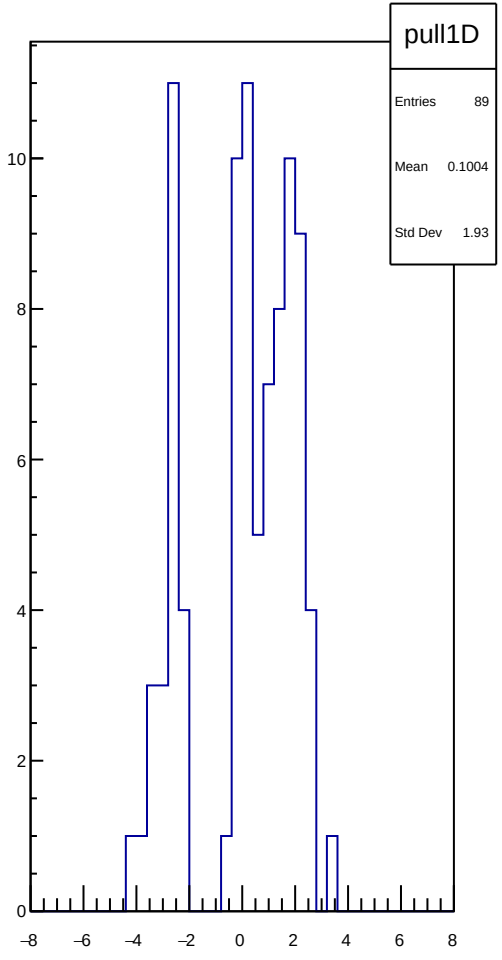

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.88 / 88
p0 590.3 ± 10.48
900
800
700
600
500
400
300
pull
Entries 89
Mean 161.3
Std Dev 111.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

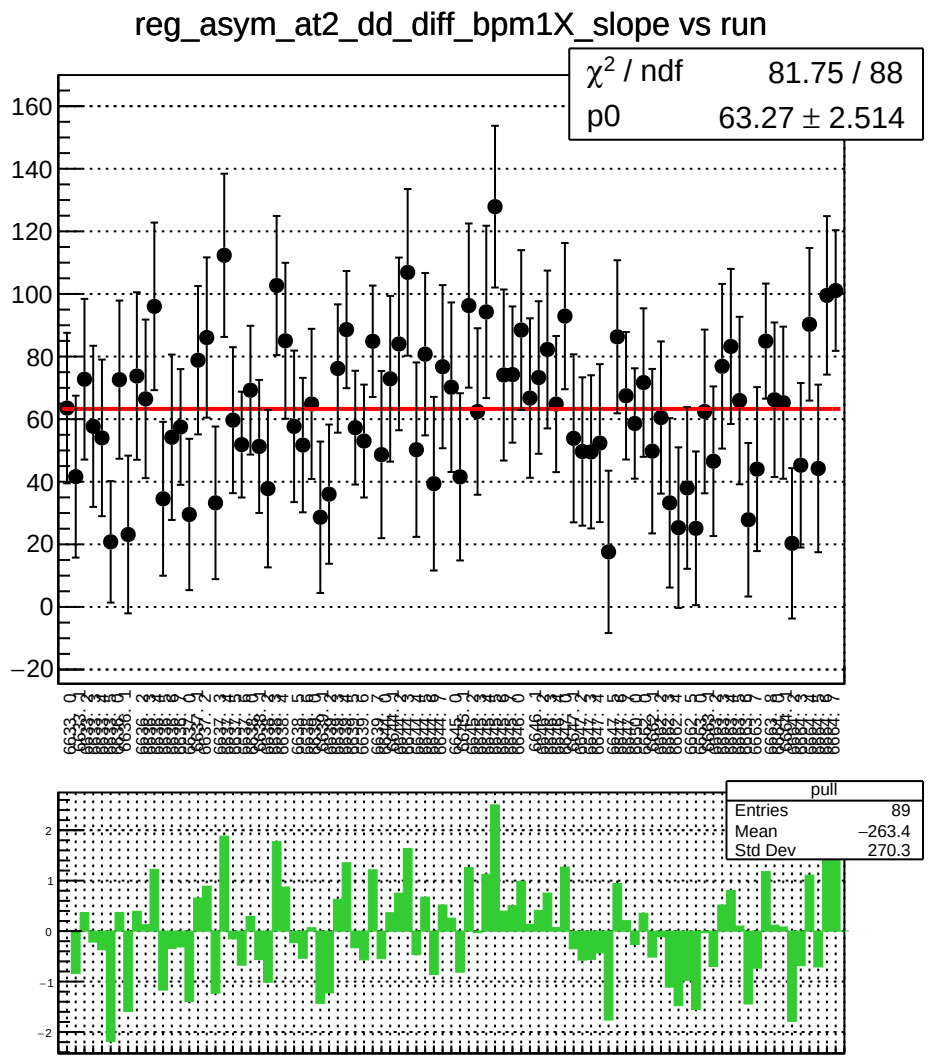

pull1D
Entries 89
Mean 0.07737
Std Dev 0.9078
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

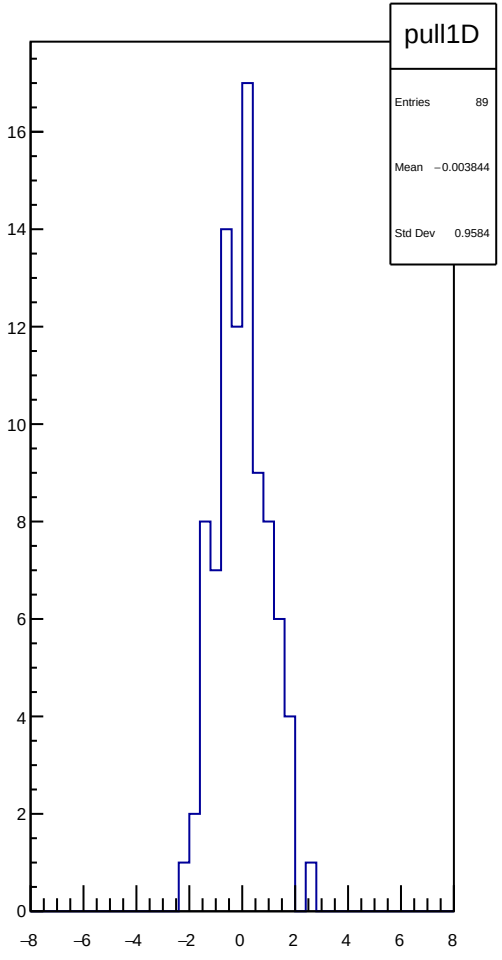

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.69 / 88
p0 193.7 ± 8.275
pull
Entries 89
Mean 189.1
Std Dev 117.1

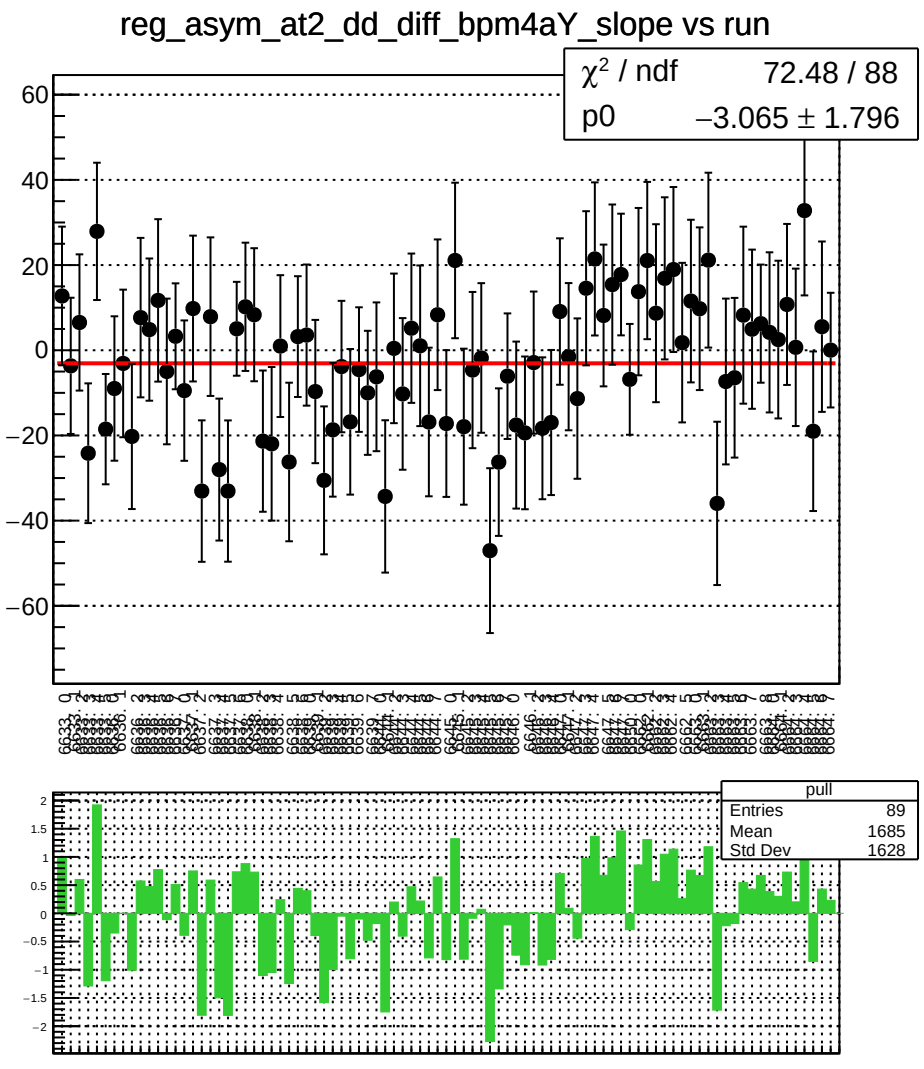

pull1D
Entries 89
Mean −0.01157
Std Dev 0.4581

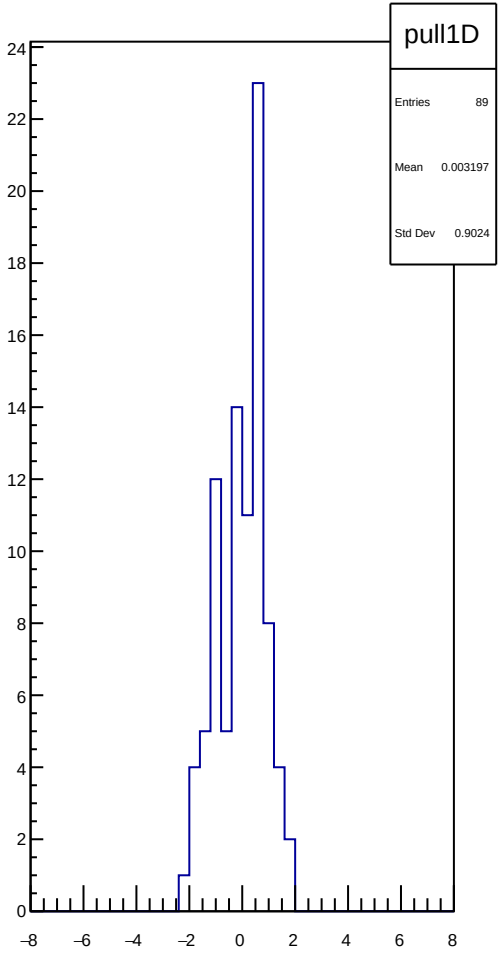

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 332.3 / 88
p0 −343.7 ± 0.4579
pull
Entries 89
Mean −377
Std Dev 424.5

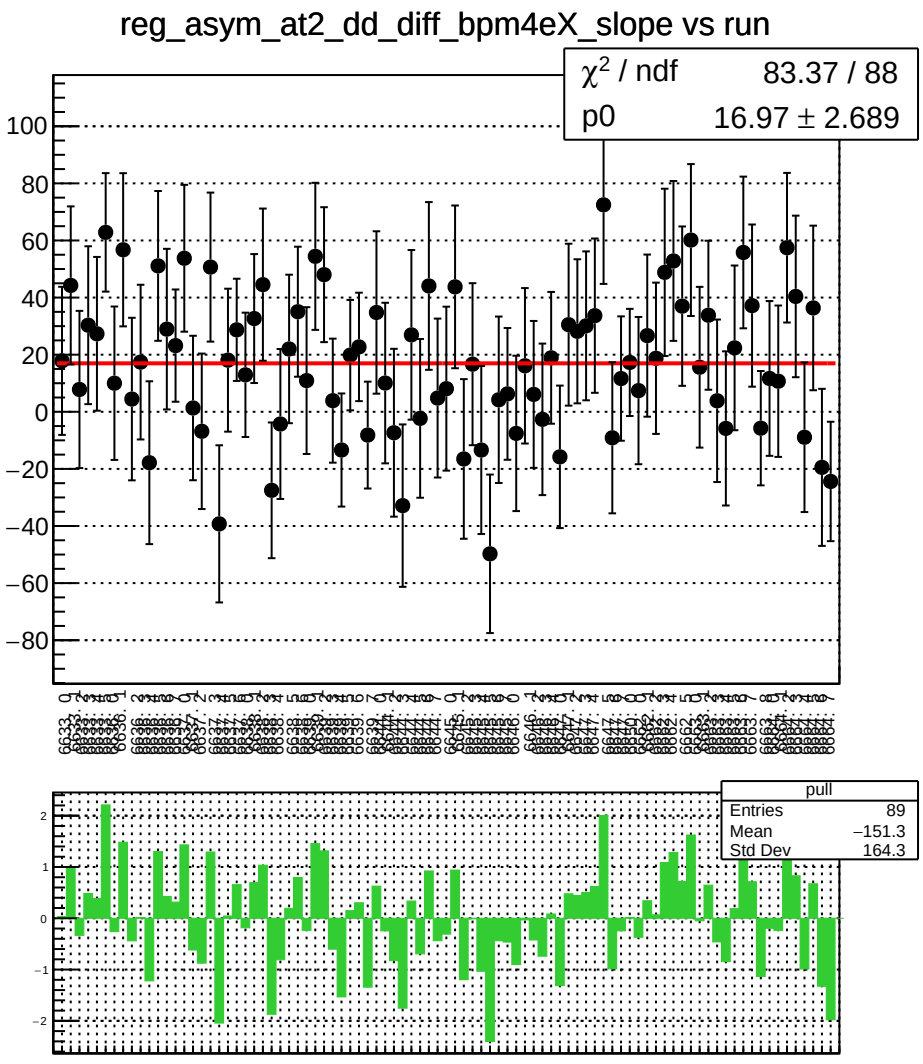

pull1D
Entries 89
Mean 0.1004
Std Dev 1.93

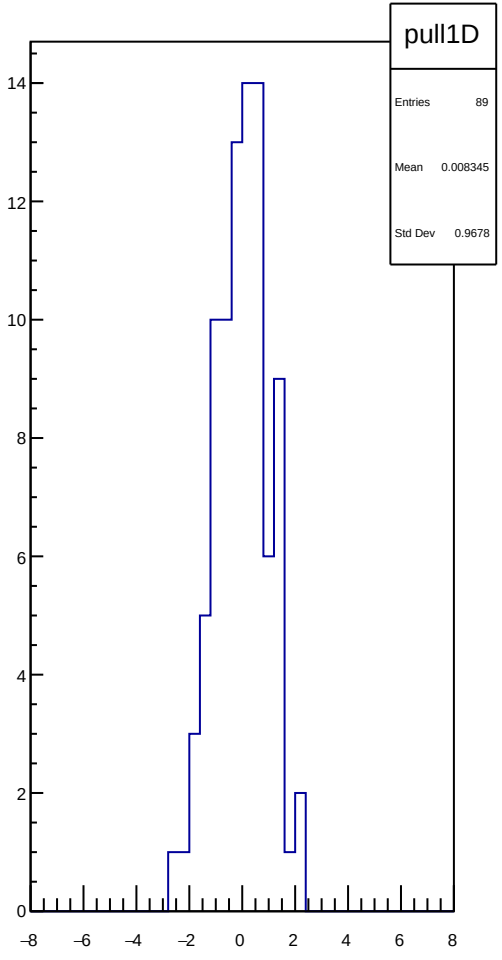

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 81.75 / 88
p0 63.27 ± 2.514
pull
Entries 89
Mean −263.4
Std Dev 270.3

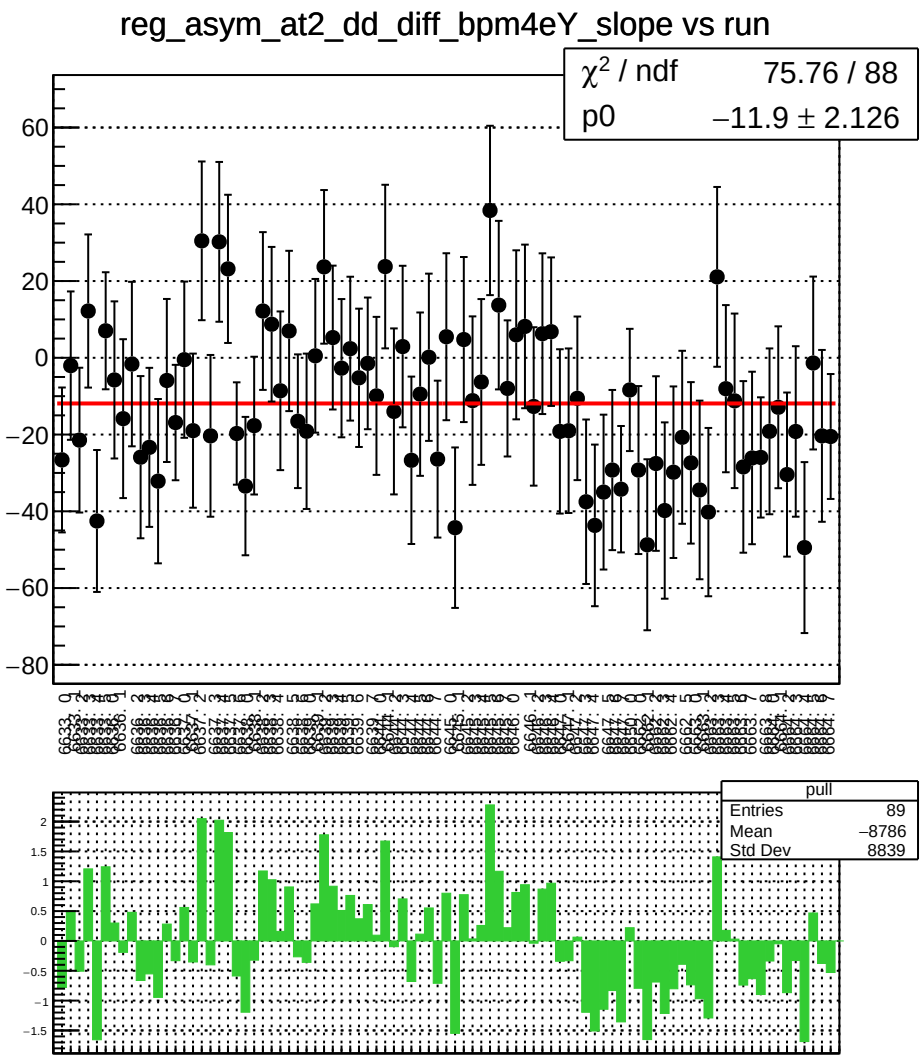

pull1D
Entries 89
Mean −0.003844
Std Dev 0.9584

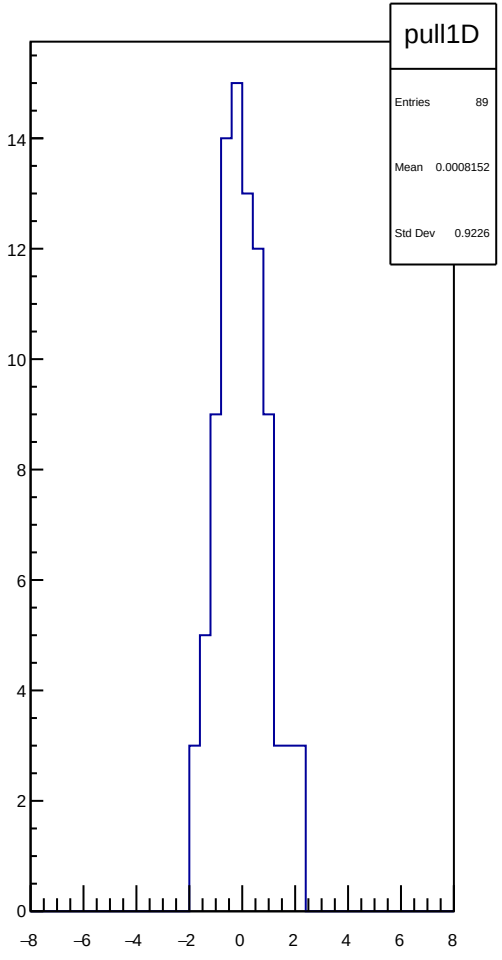

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.48 / 88
p0 −3.065 ± 1.796
pull
Entries 89
Mean 1685
Std Dev 1628

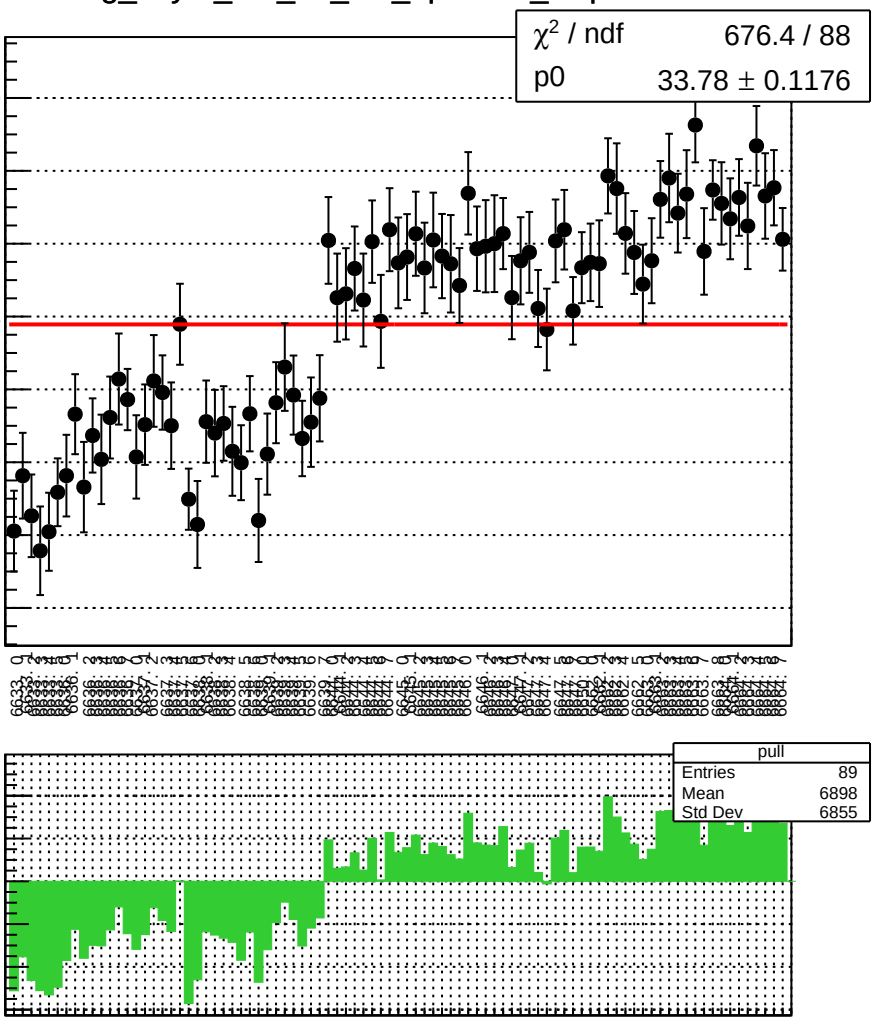

pull1D
Entries 89
Mean 0.003197
Std Dev 0.9024

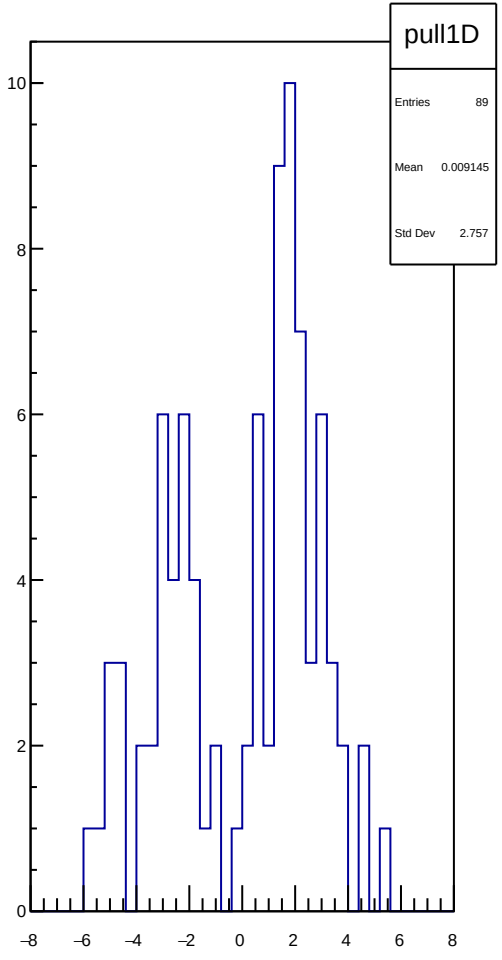

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.37 / 88
p0 16.97 ± 2.689
pull
Entries 89
Mean −151.3
Std Dev 164.3

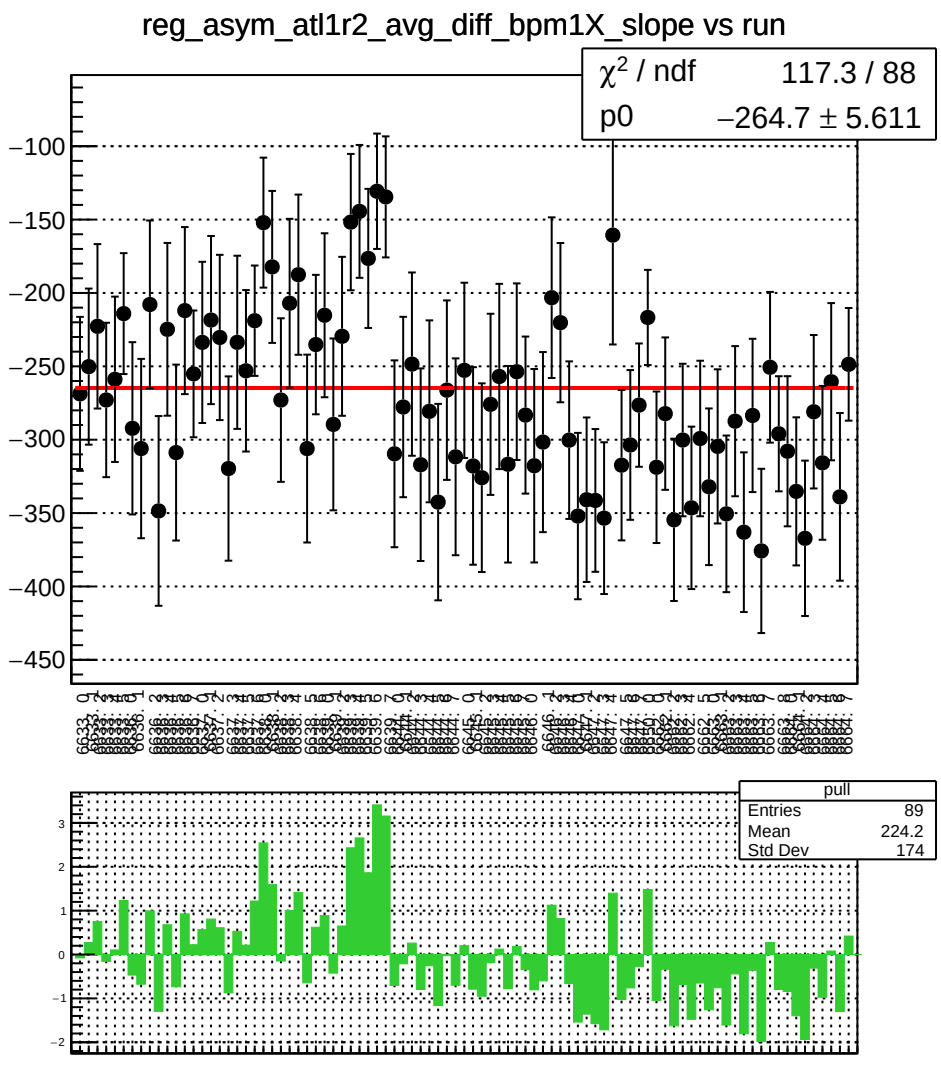

pull1D
Entries 89
Mean 0.008345
Std Dev 0.9678

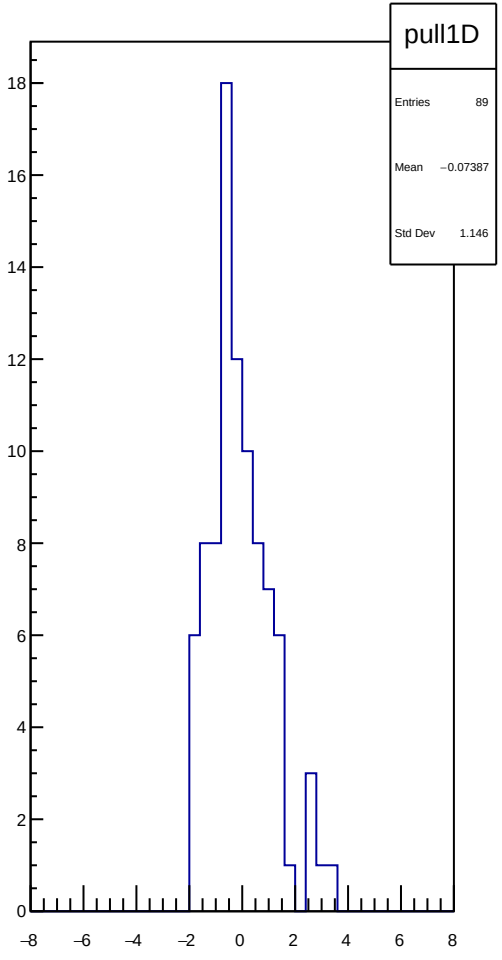

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.76 / 88
p0 −11.9 ± 2.126
pull
Entries 89
Mean −8786
Std Dev 8839

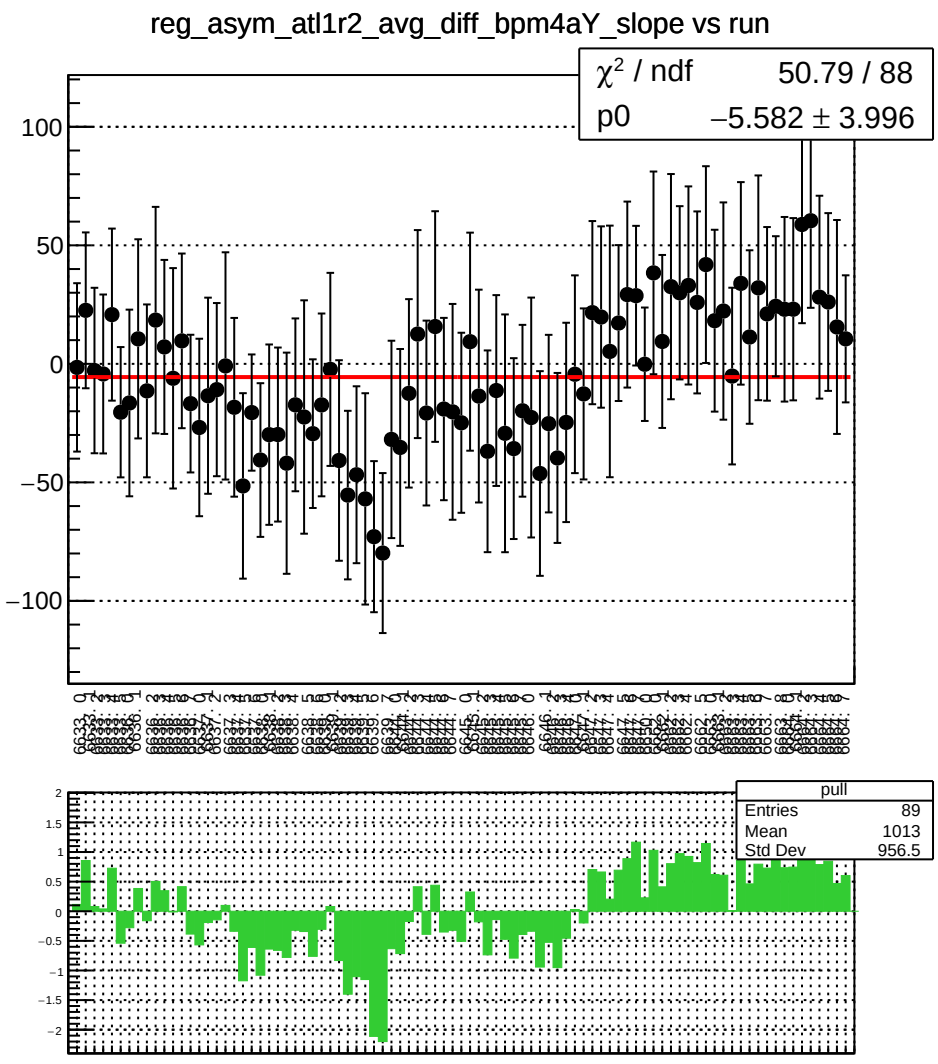

pull1D
Entries 89
Mean 0.0008152
Std Dev 0.9226

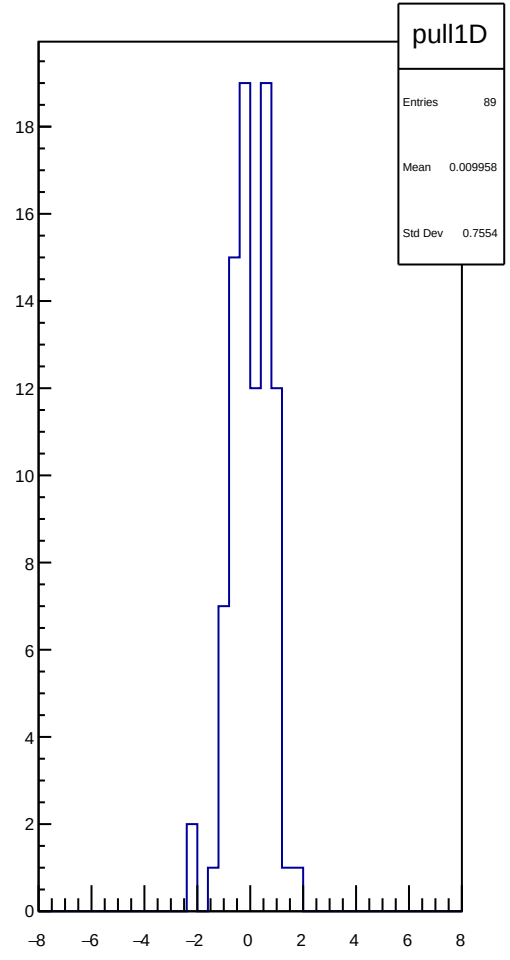

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 676.4 / 88
p0 33.78 ± 0.1176
pull
Entries 89
Mean 6898
Std Dev 6855

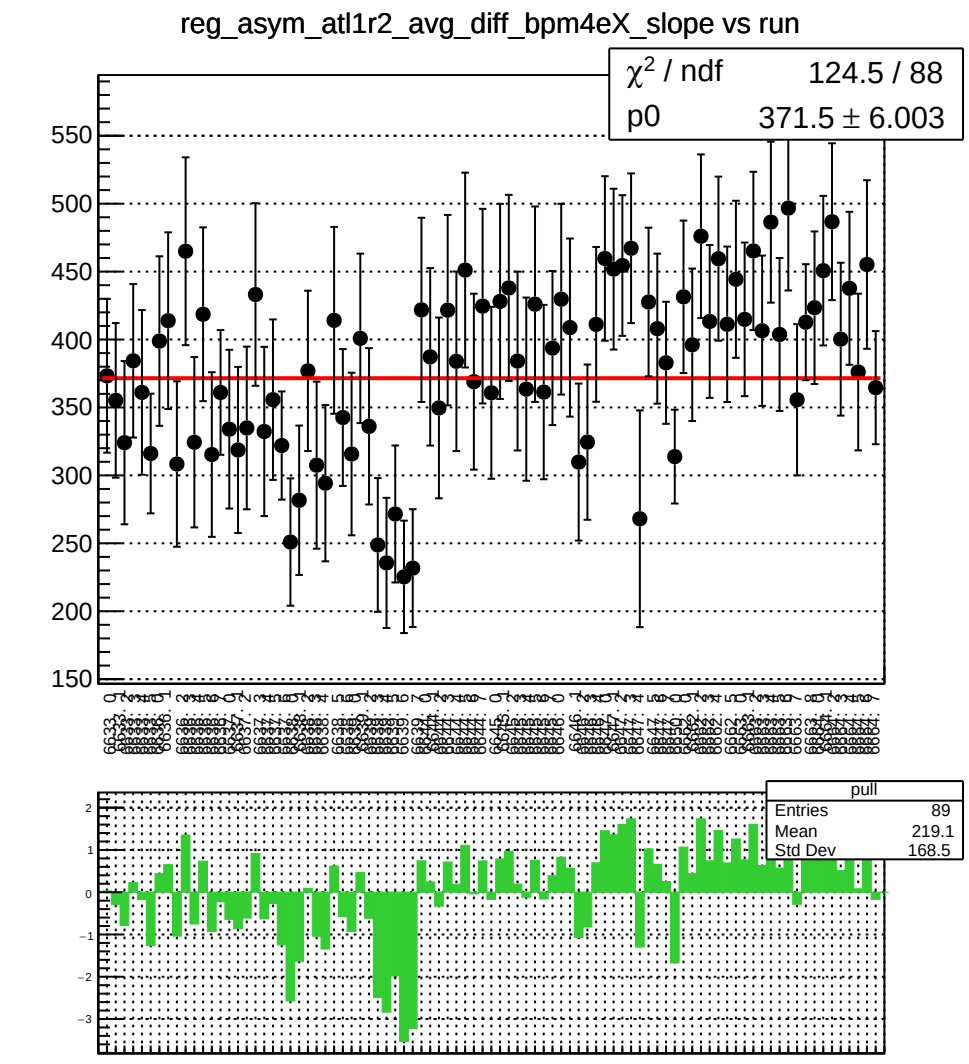

pull1D
Entries 89
Mean 0.009145
Std Dev 2.757

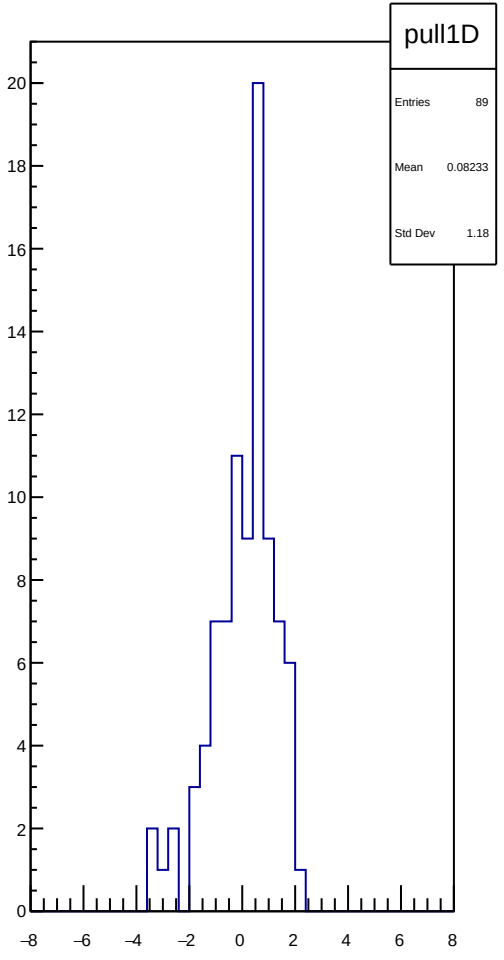

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 117.3 / 88
p0 −264.7 ± 5.611
pull
Entries 89
Mean 224.2
Std Dev 174

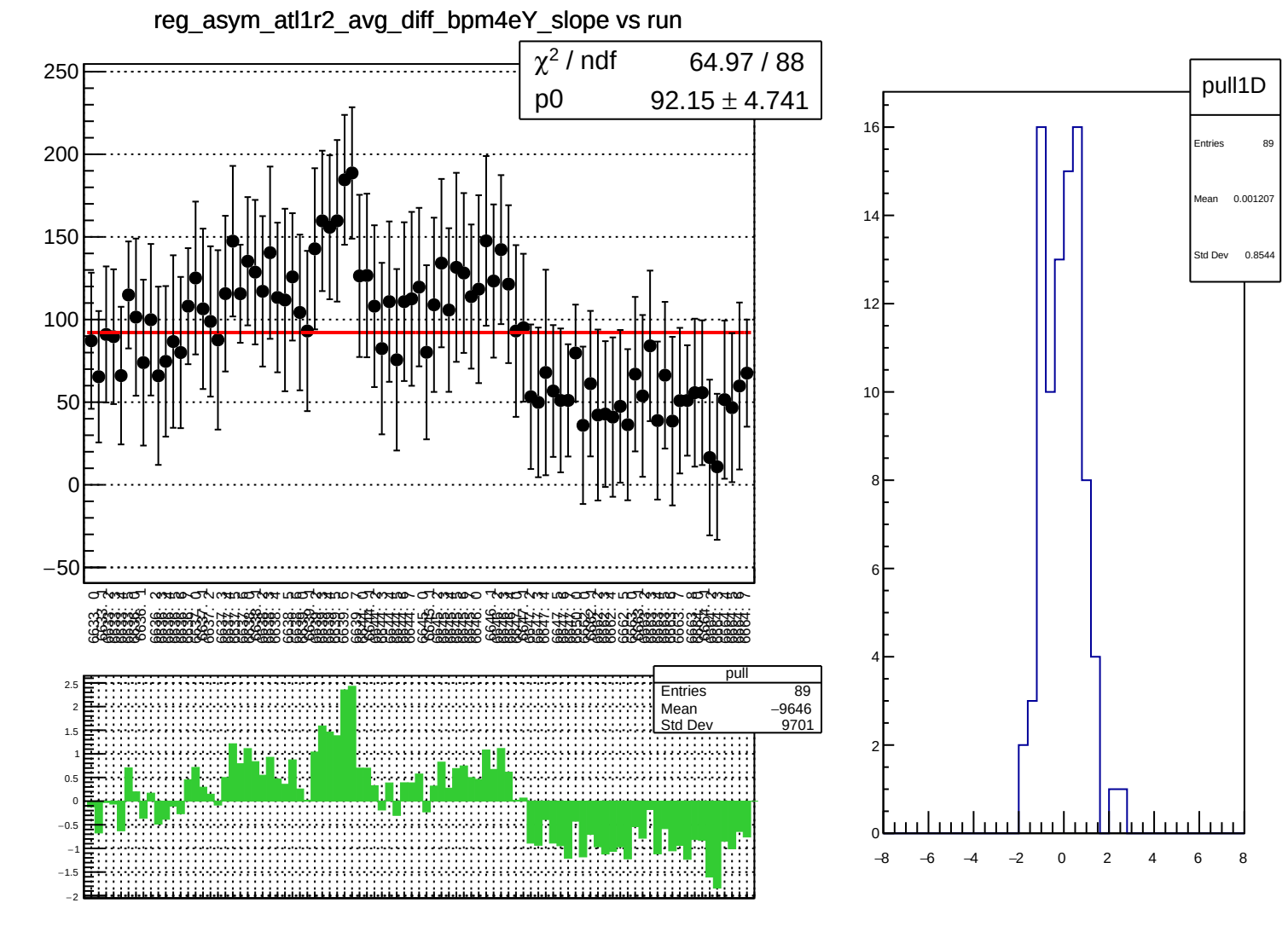

pull1D
Entries 89
Mean −0.07387
Std Dev 1.146

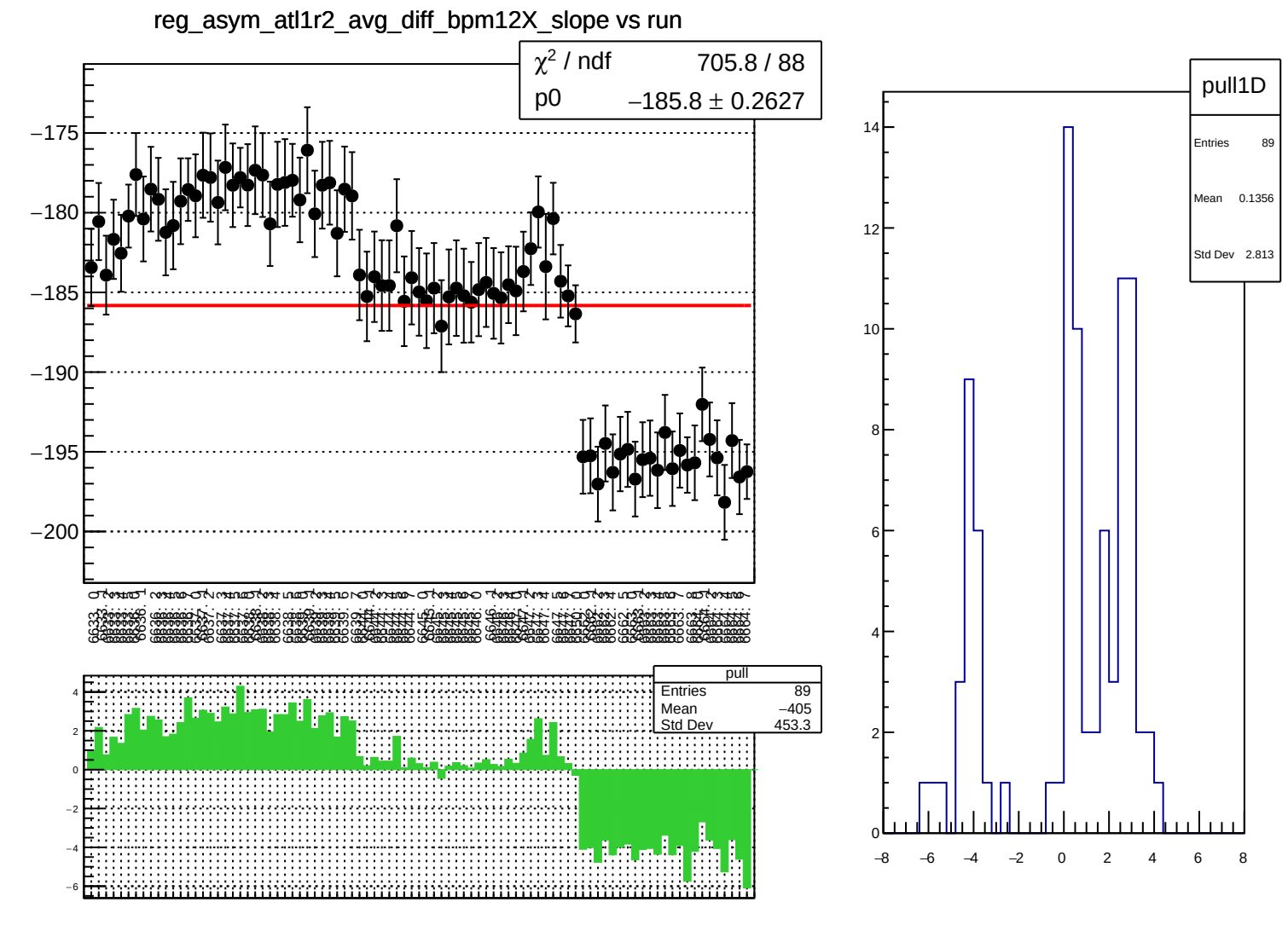

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.79 / 88
p0 −5.582 ± 3.996
100
50
0
−50
−100
pull
Entries 89
Mean 1013
Std Dev 956.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

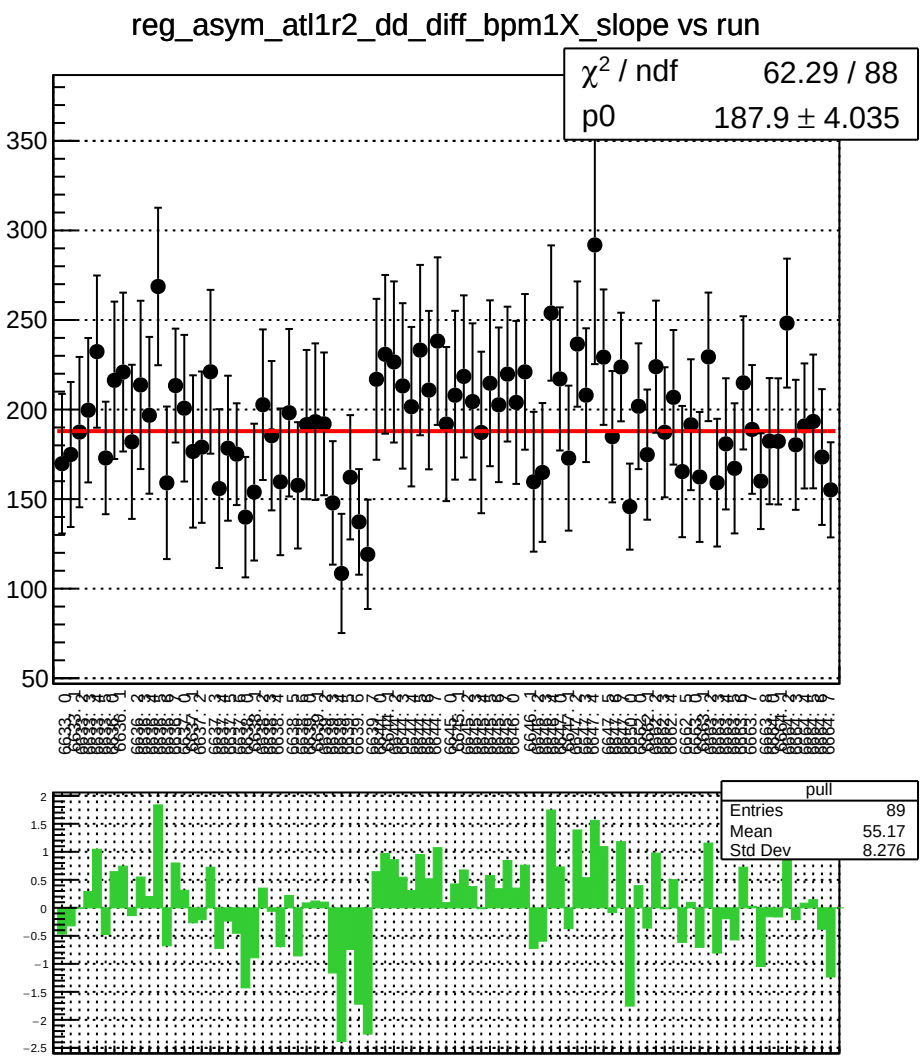

pull1D
Entries 89
Mean 0.009958
Std Dev 0.7554
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

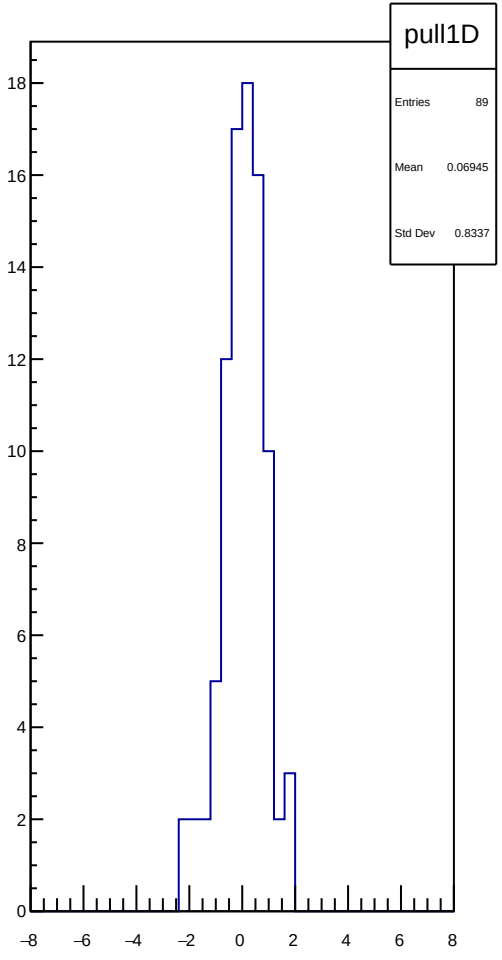

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 124.5 / 88
p0 371.5 ± 6.003
pull
Entries 89
Mean 219.1
Std Dev 168.5

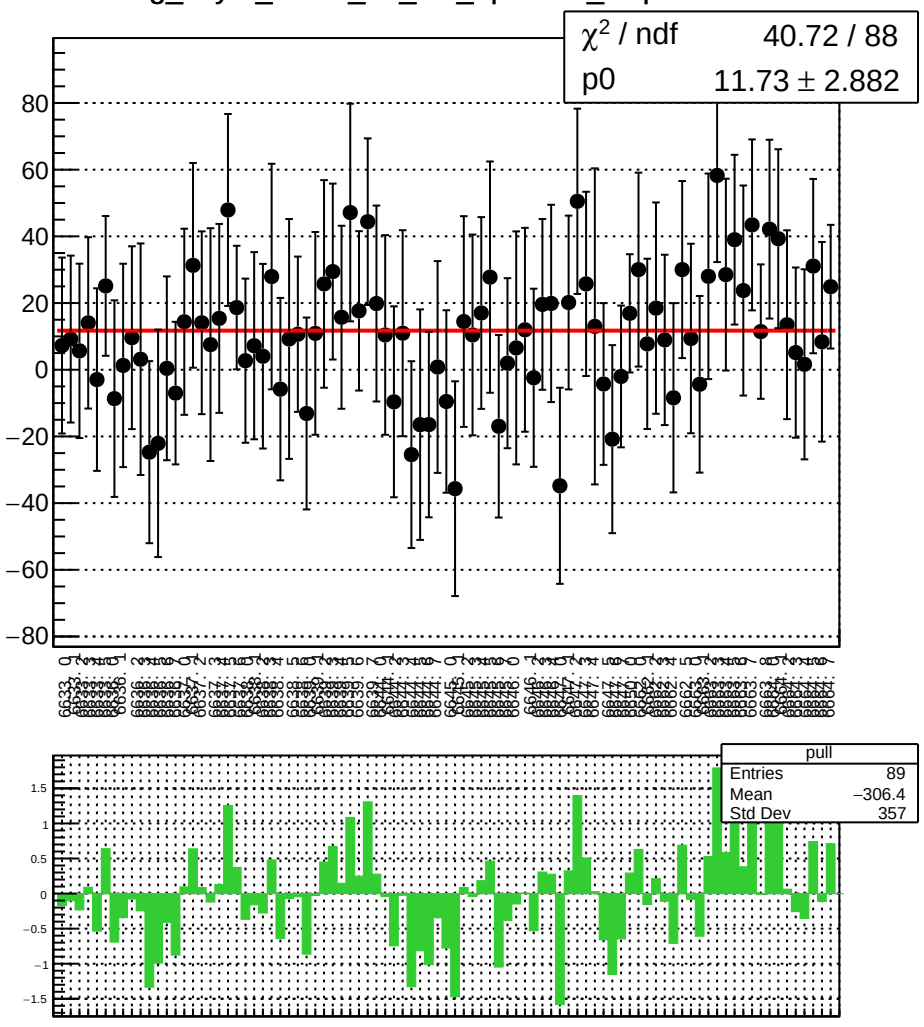

pull1D
Entries 89
Mean 0.08233
Std Dev 1.18

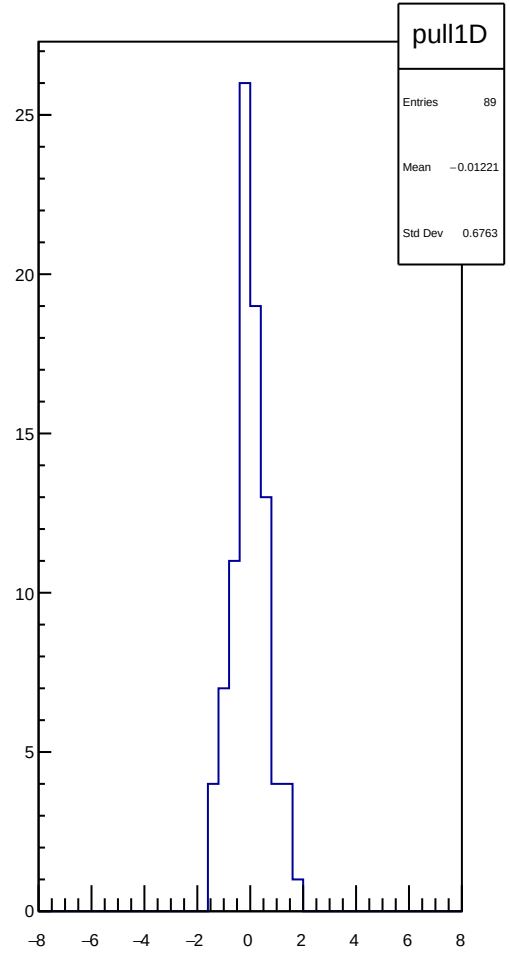

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.97 / 88
p0 92.15 ± 4.741
pull
Entries 89
Mean −9646
Std Dev 9701
pull1D
Entries 89
Mean 0.001207
Std Dev 0.8544

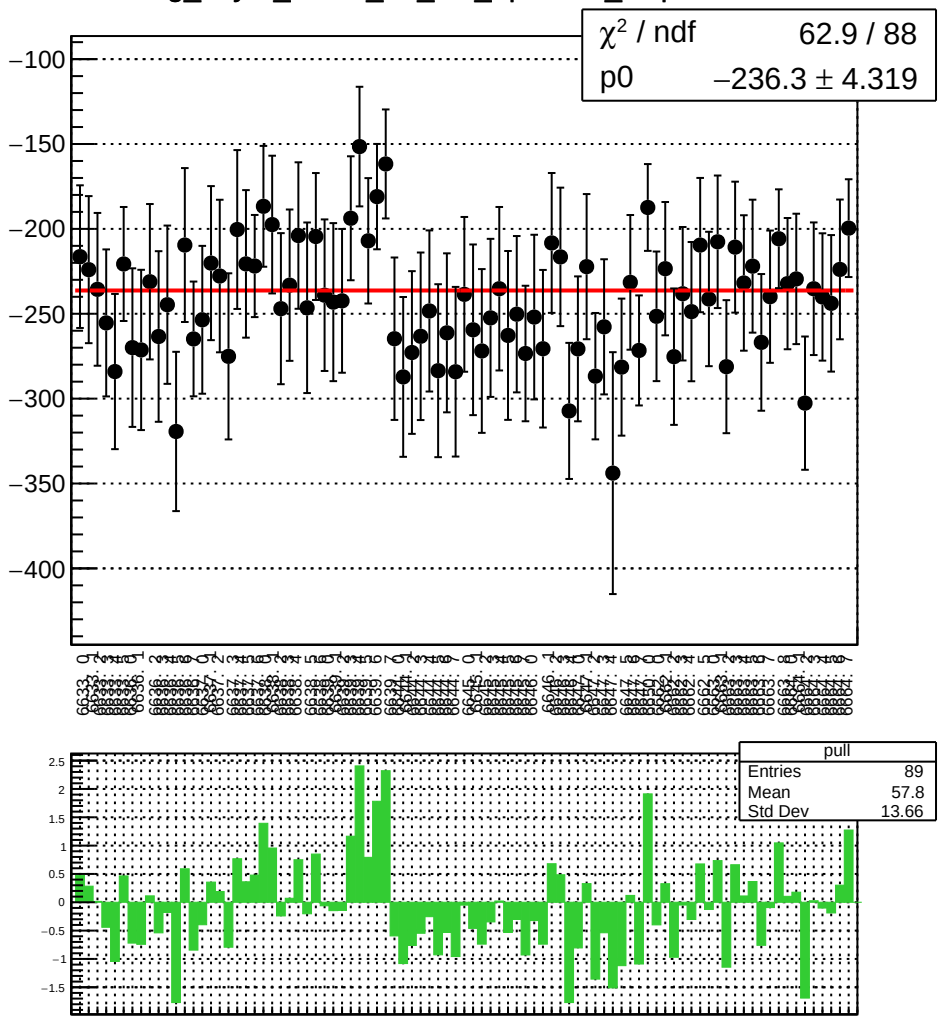

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 705.8 / 88
p0 −185.8 ± 0.2627
−175
−180
−185
−190
−195
−200
pull
Entries 89
Mean −405
Std Dev 453.3
4
2
0
−2
−4
−6
pull1D
Entries 89
Mean 0.1356
Std Dev 2.813
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

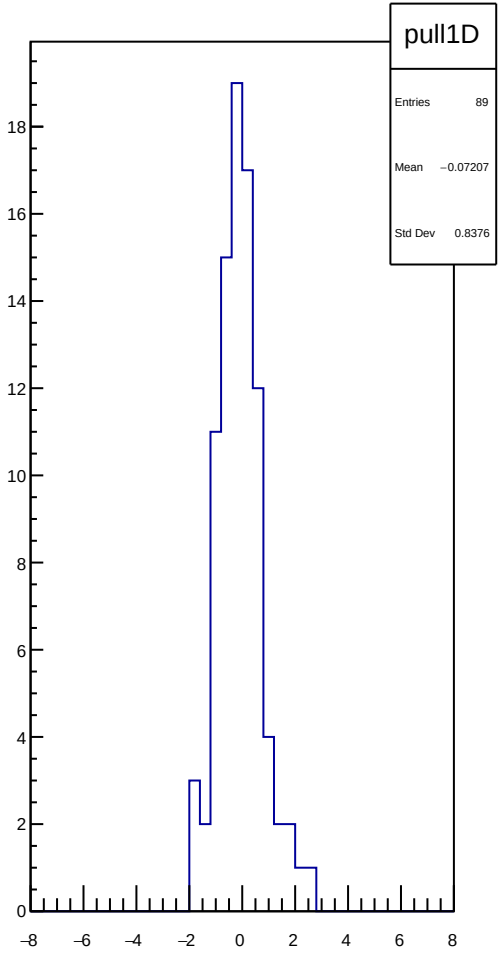

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 62.29 / 88
p0 187.9 ± 4.035
pull
Entries 89
Mean 55.17
Std Dev 8.276

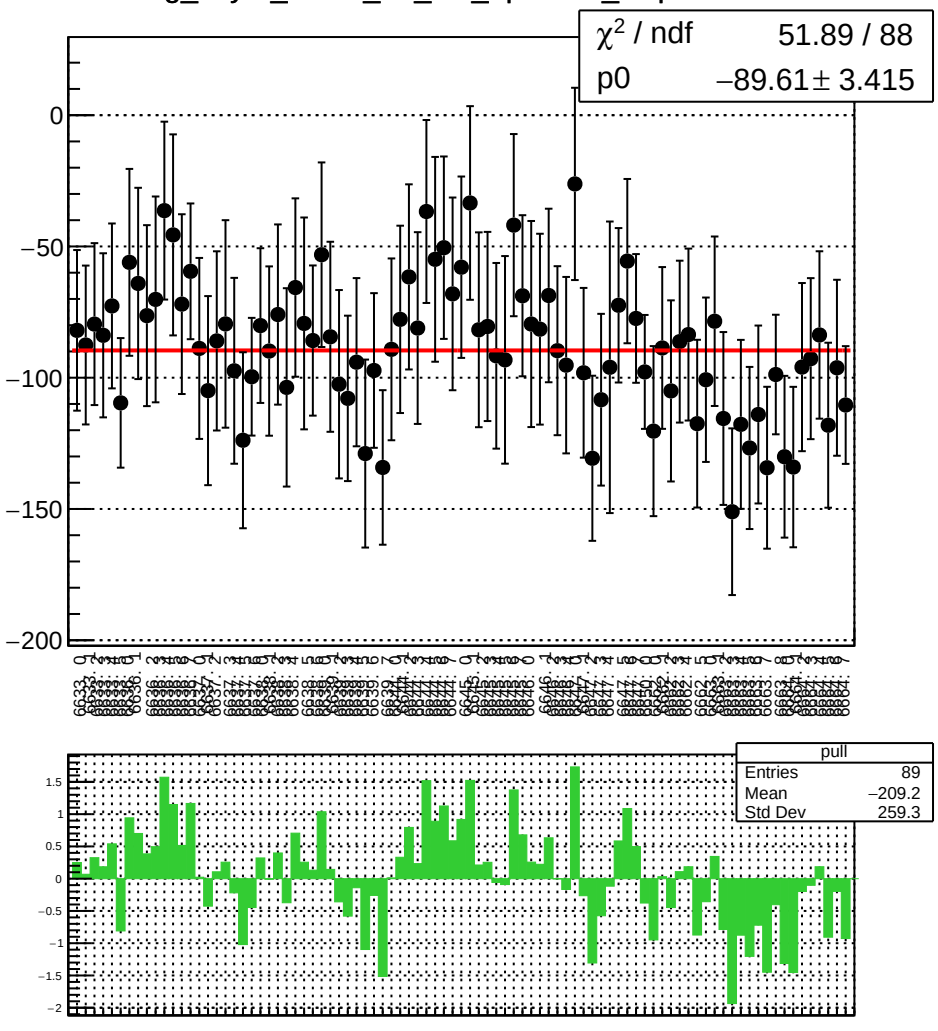

pull1D
Entries 89
Mean 0.06945
Std Dev 0.8337

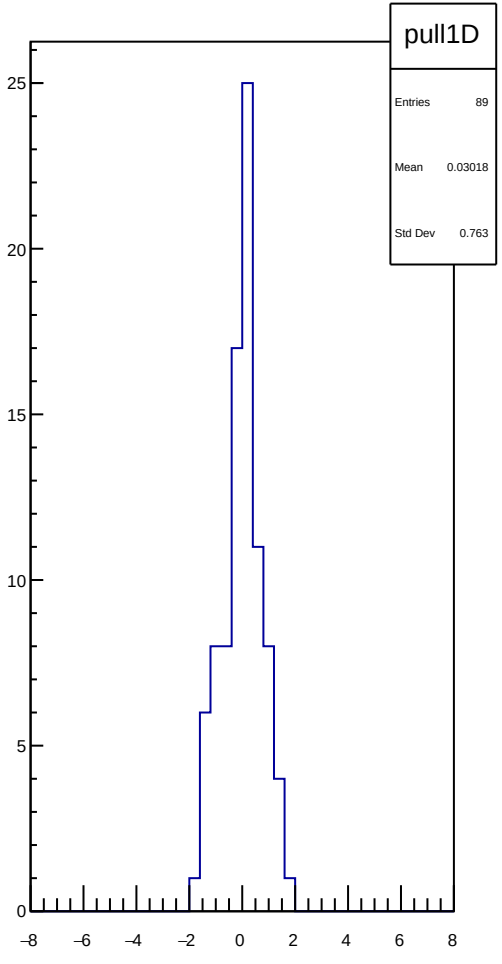

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.72 / 88
p0 11.73 ± 2.882
pull
Entries 89
Mean −306.4
Std Dev 357

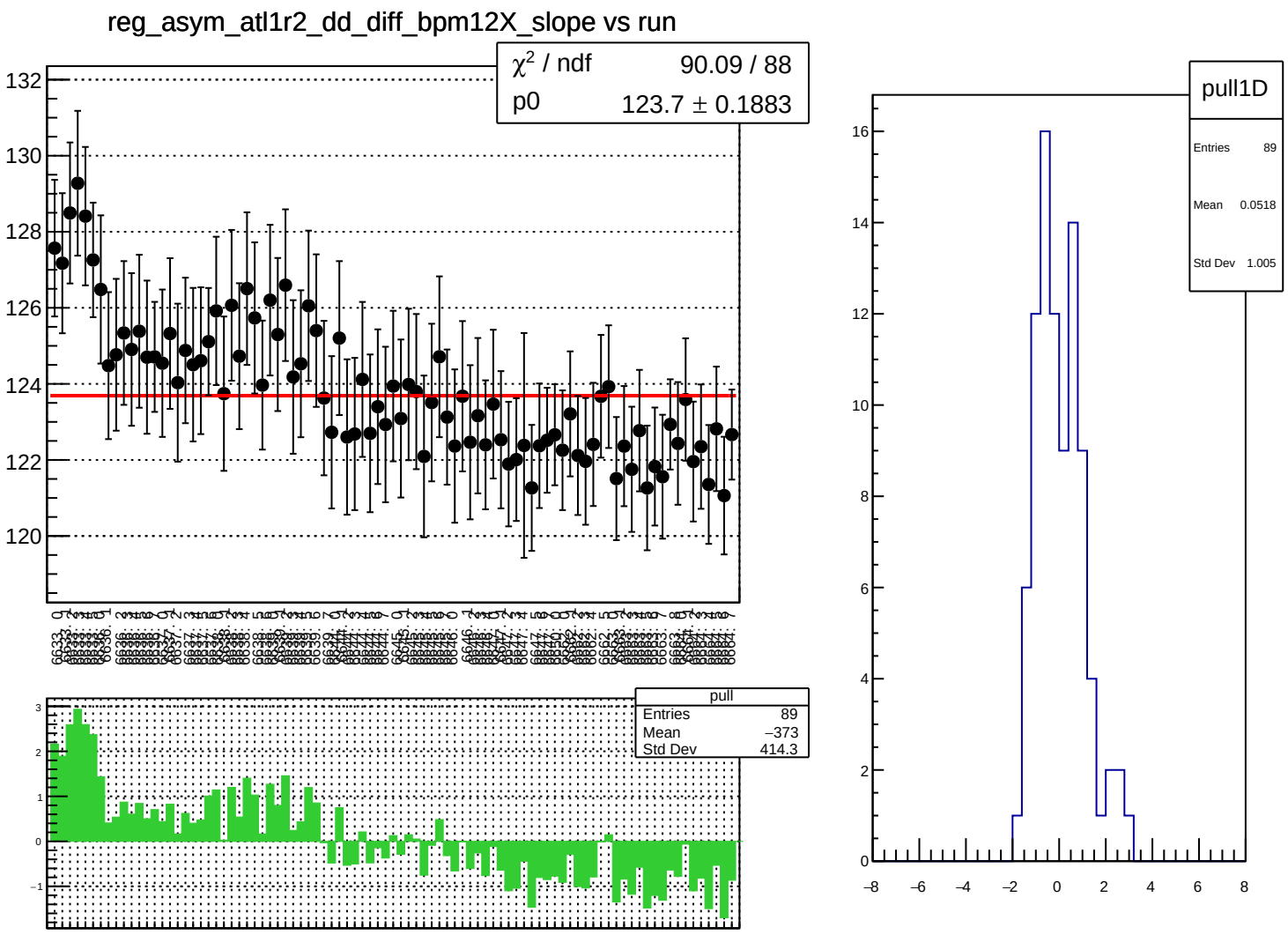

pull1D
Entries 89
Mean −0.01221
Std Dev 0.6763

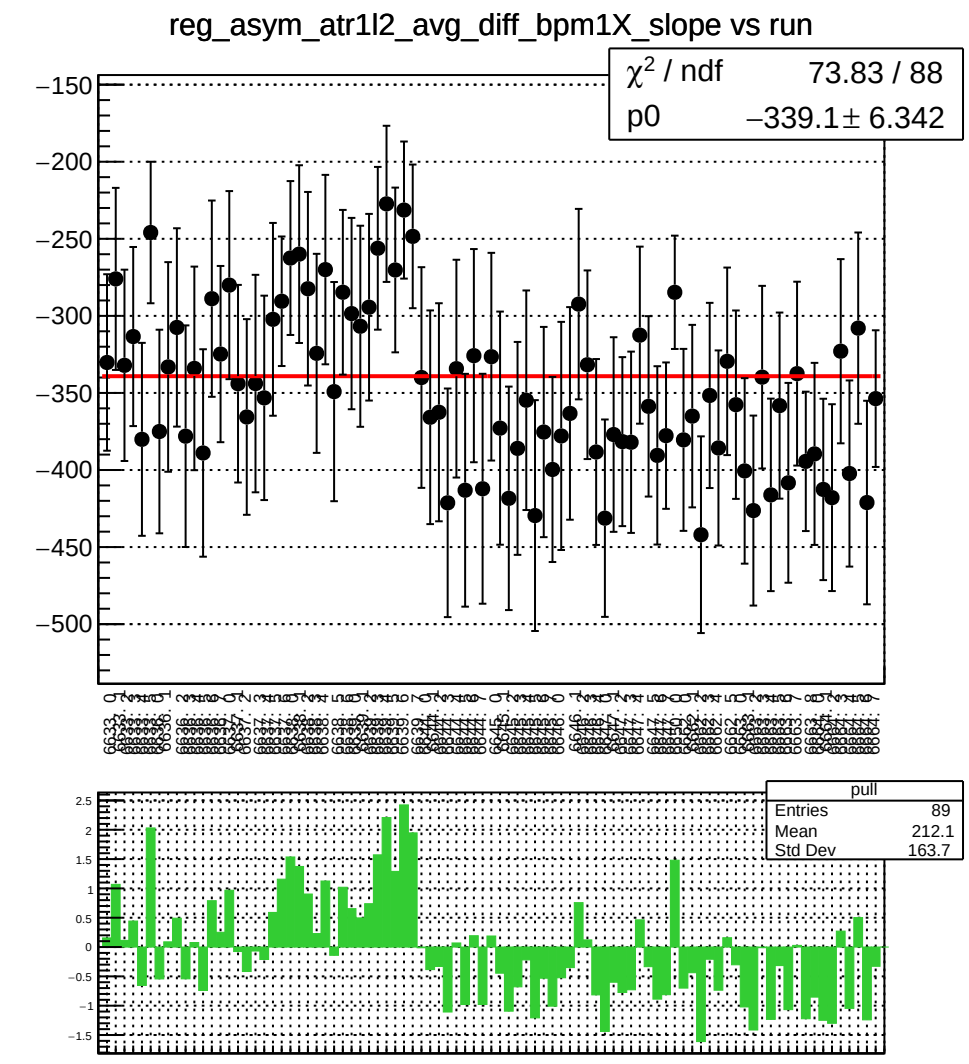

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.9 / 88
p0 −236.3 ± 4.319
pull
Entries 89
Mean 57.8
Std Dev 13.66

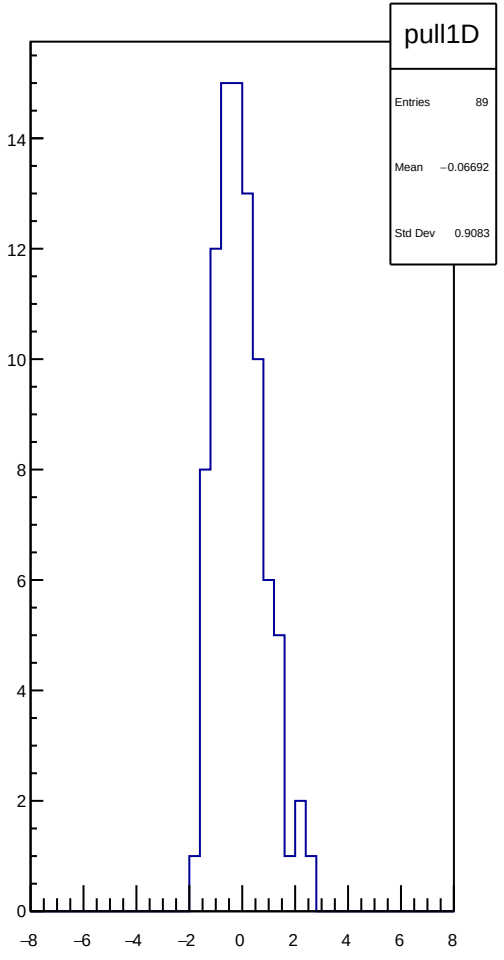

pull1D
Entries 89
Mean −0.07207
Std Dev 0.8376

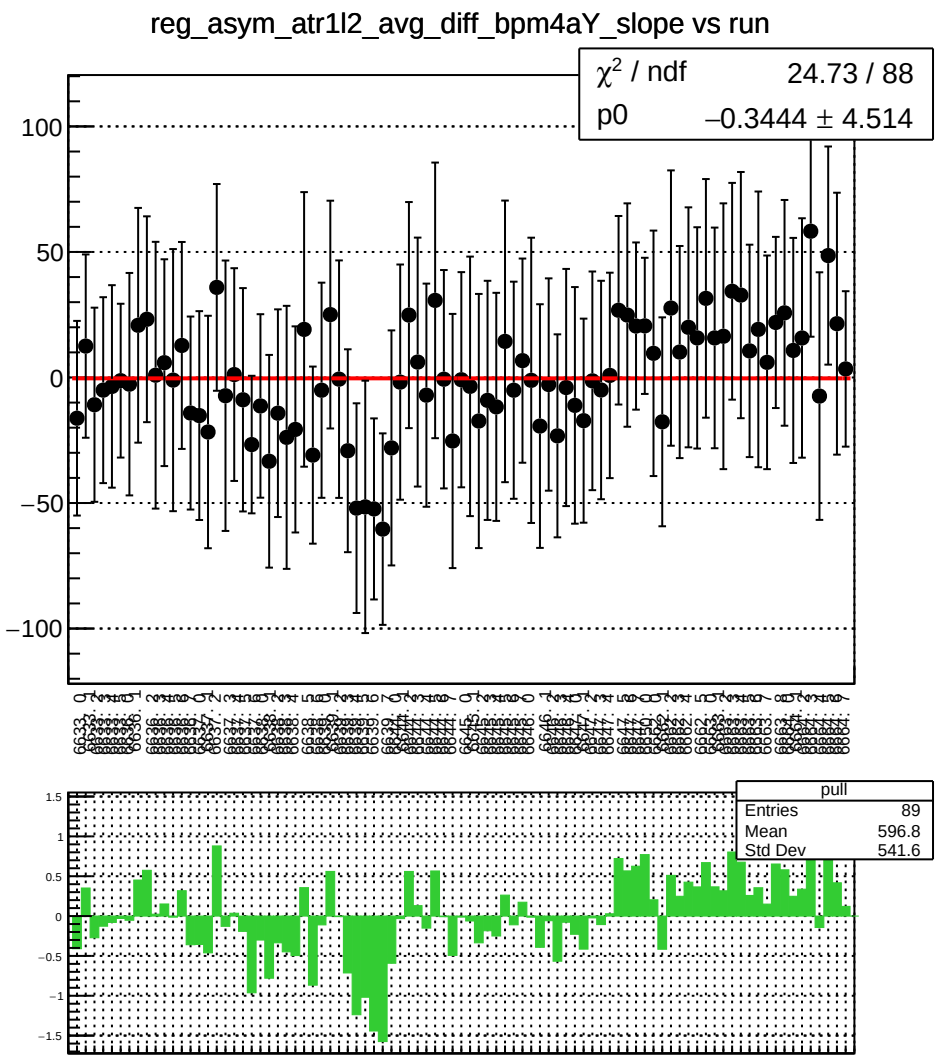

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.89 / 88
p0 −89.61 ± 3.415
pull
Entries 89
Mean −209.2
Std Dev 259.3

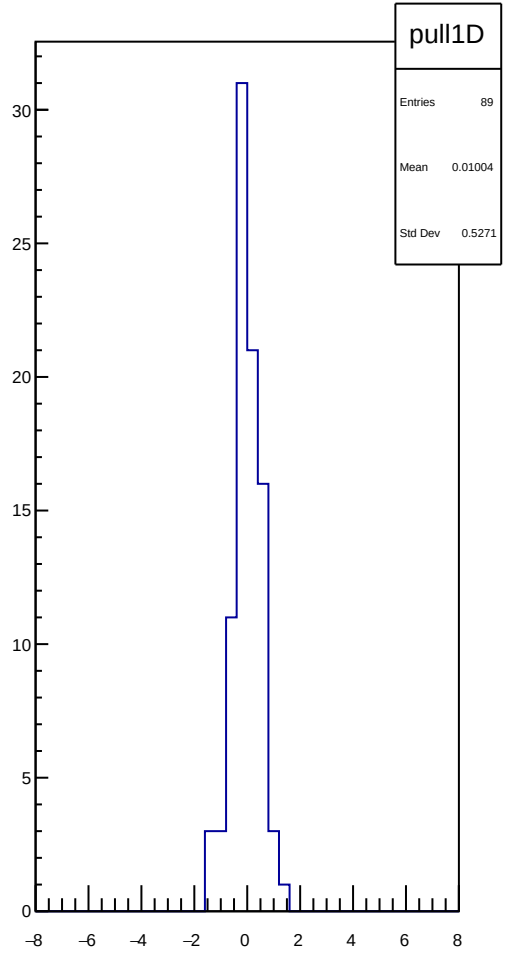

pull1D
Entries 89
Mean 0.03018
Std Dev 0.763

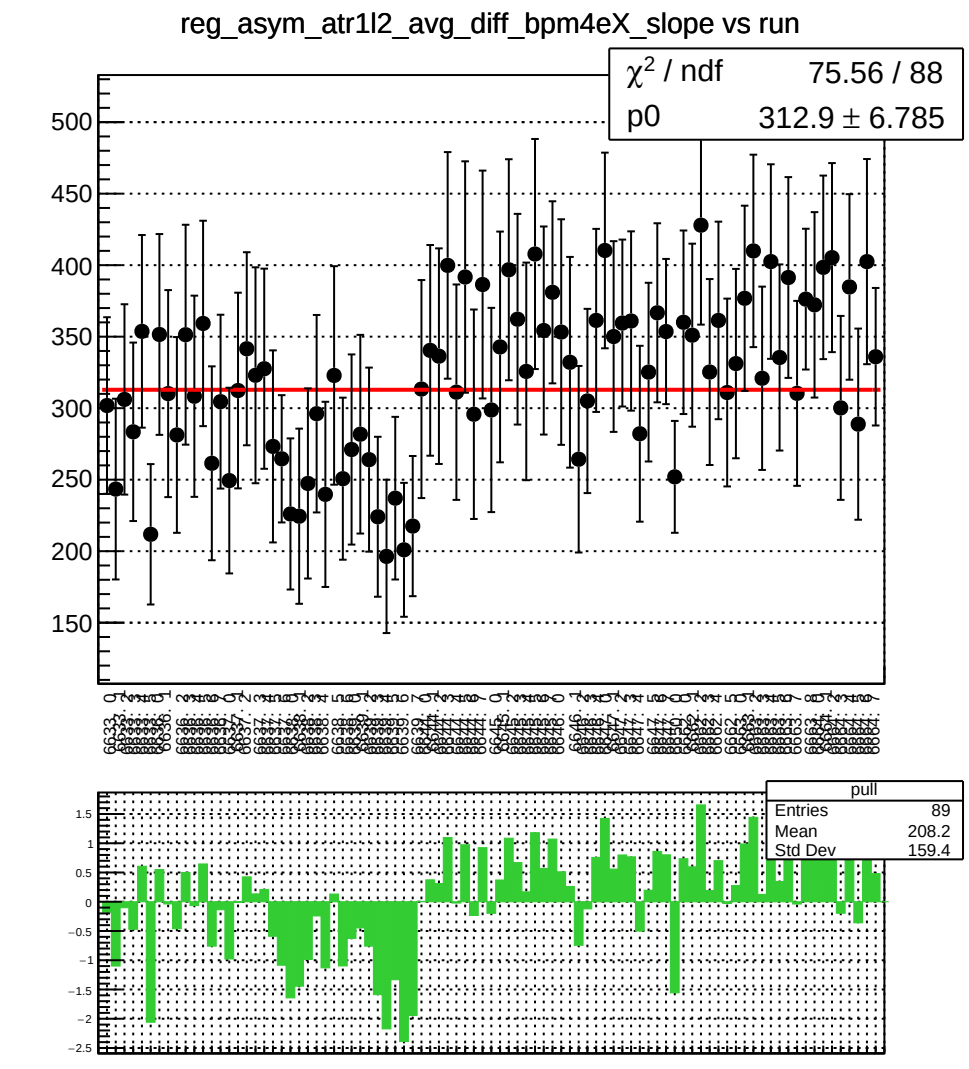

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 90.09 / 88
p0 123.7 ± 0.1883
132
130
128
126
124
122
120
pull
Entries 89
Mean −373
Std Dev 414.3
3
2
1
0
−1
pull1D
Entries 89
Mean 0.0518
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

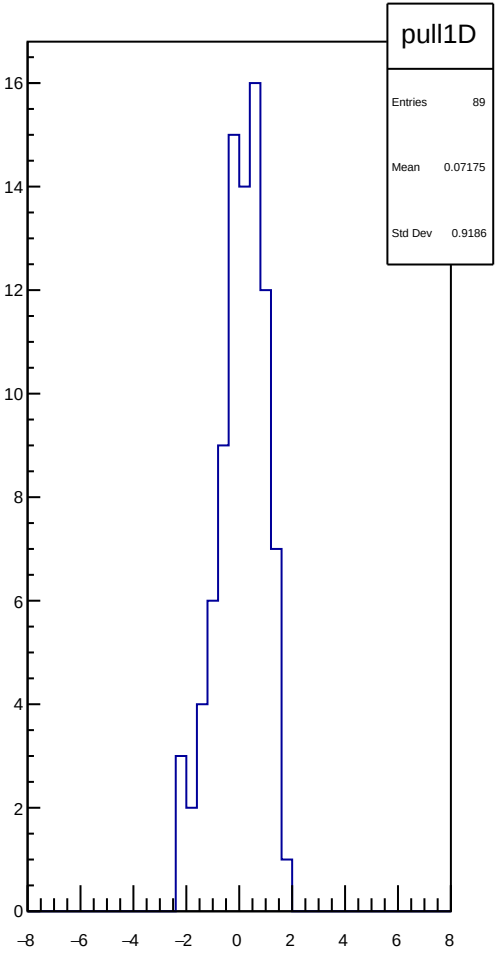

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 73.83 / 88
p0 −339.1 ± 6.342
pull
Entries 89
Mean 212.1
Std Dev 163.7

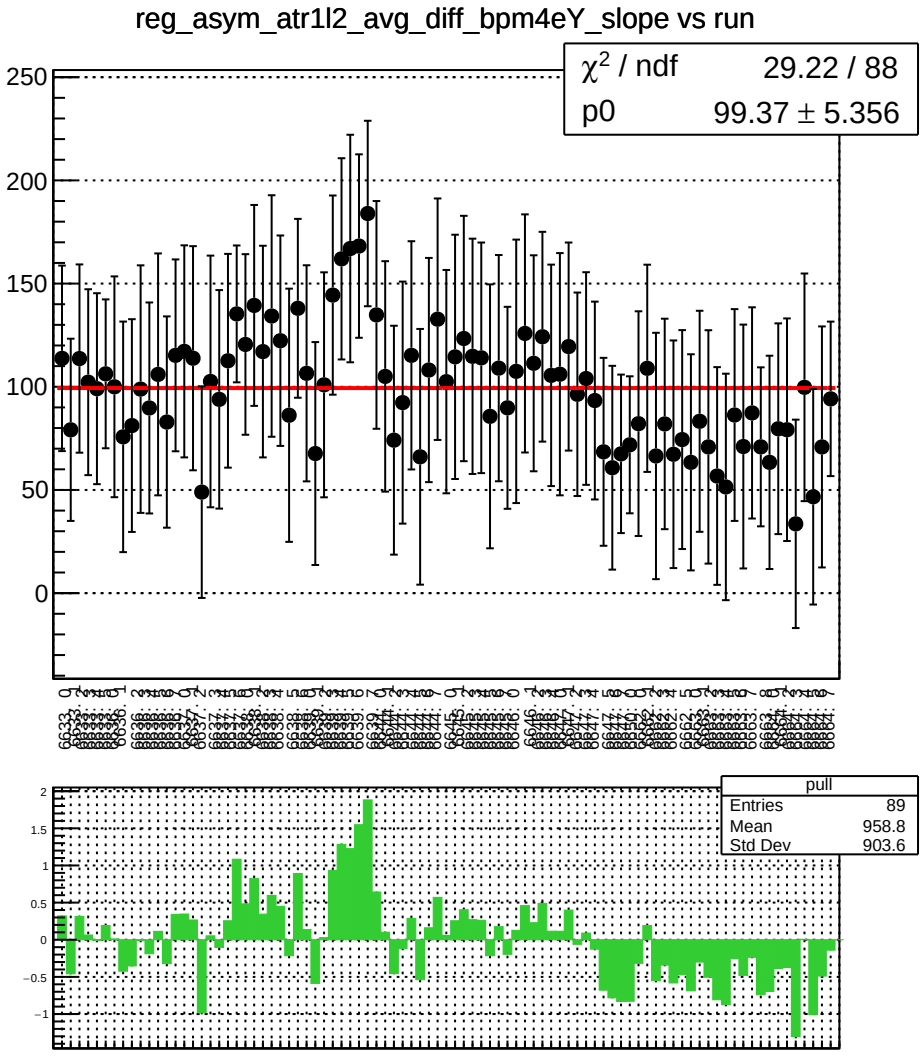

pull1D
Entries 89
Mean −0.06692
Std Dev 0.9083

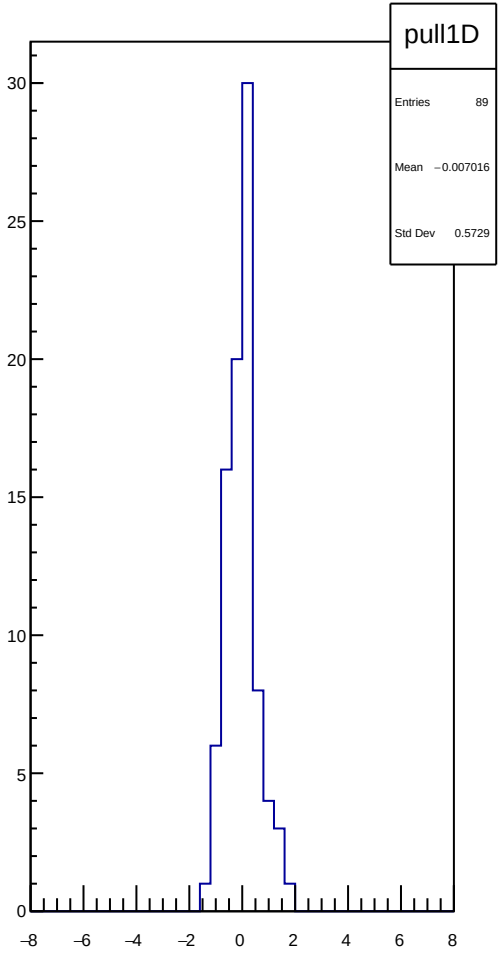

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.73 / 88
p0 −0.3444 ± 4.514
100
50
0
−50
−100
pull
Entries 89
Mean 596.8
Std Dev 541.6
1.5
1
0.5
0
−0.5
−1
−1.5

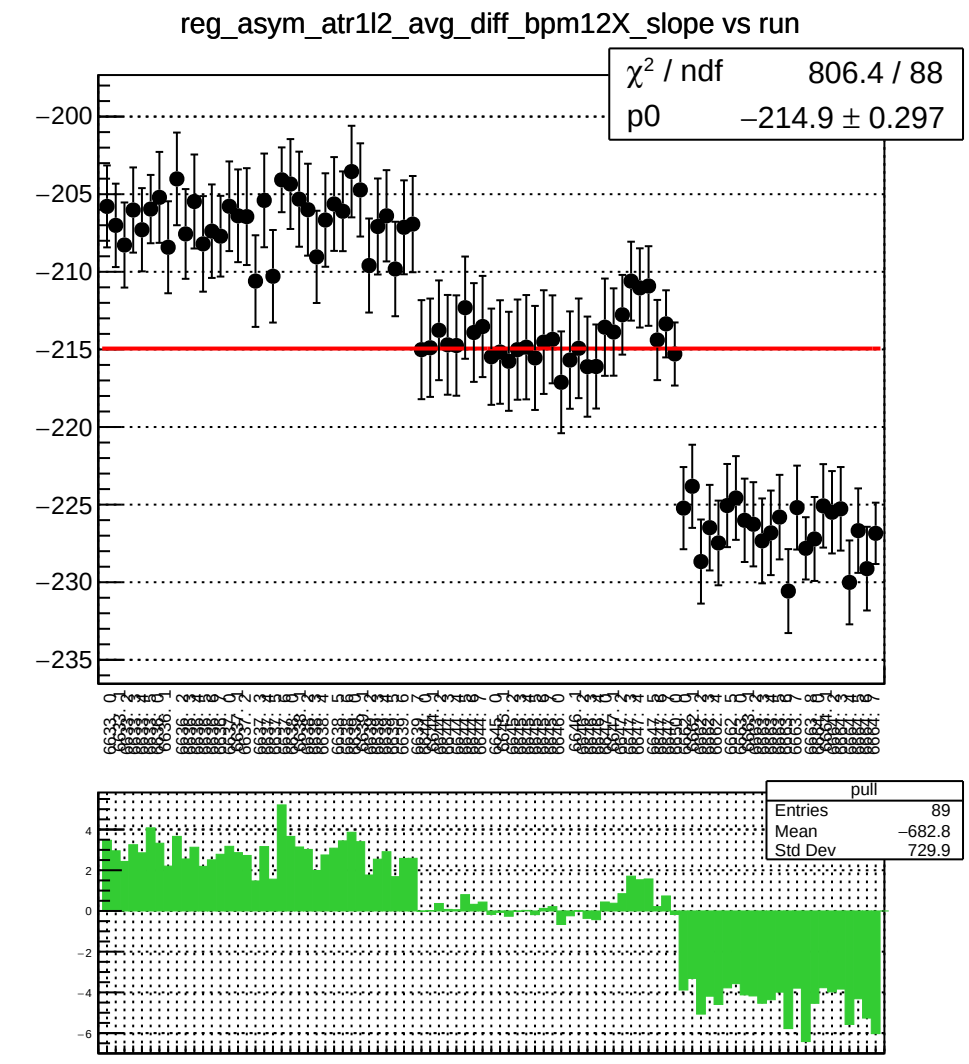

pull1D
Entries 89
Mean 0.01004
Std Dev 0.5271
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

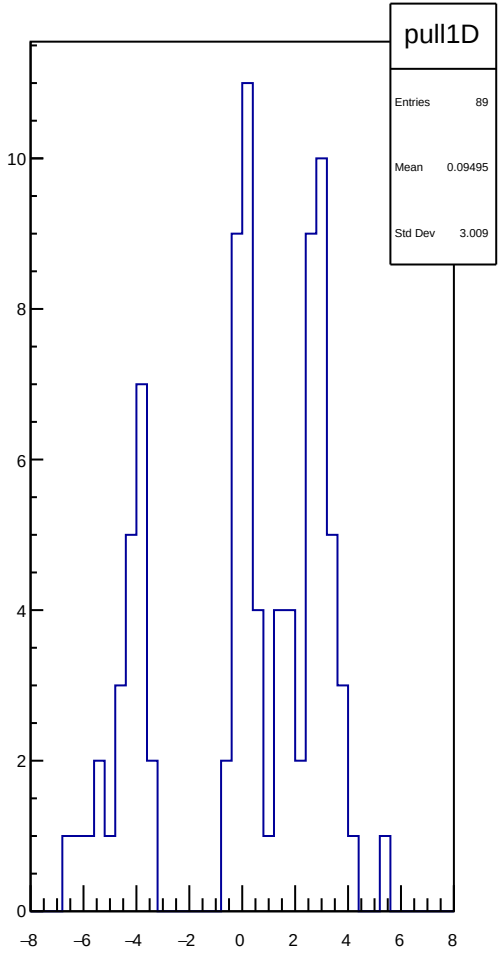

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.56 / 88
p0 312.9 ± 6.785
pull
Entries 89
Mean 208.2
Std Dev 159.4

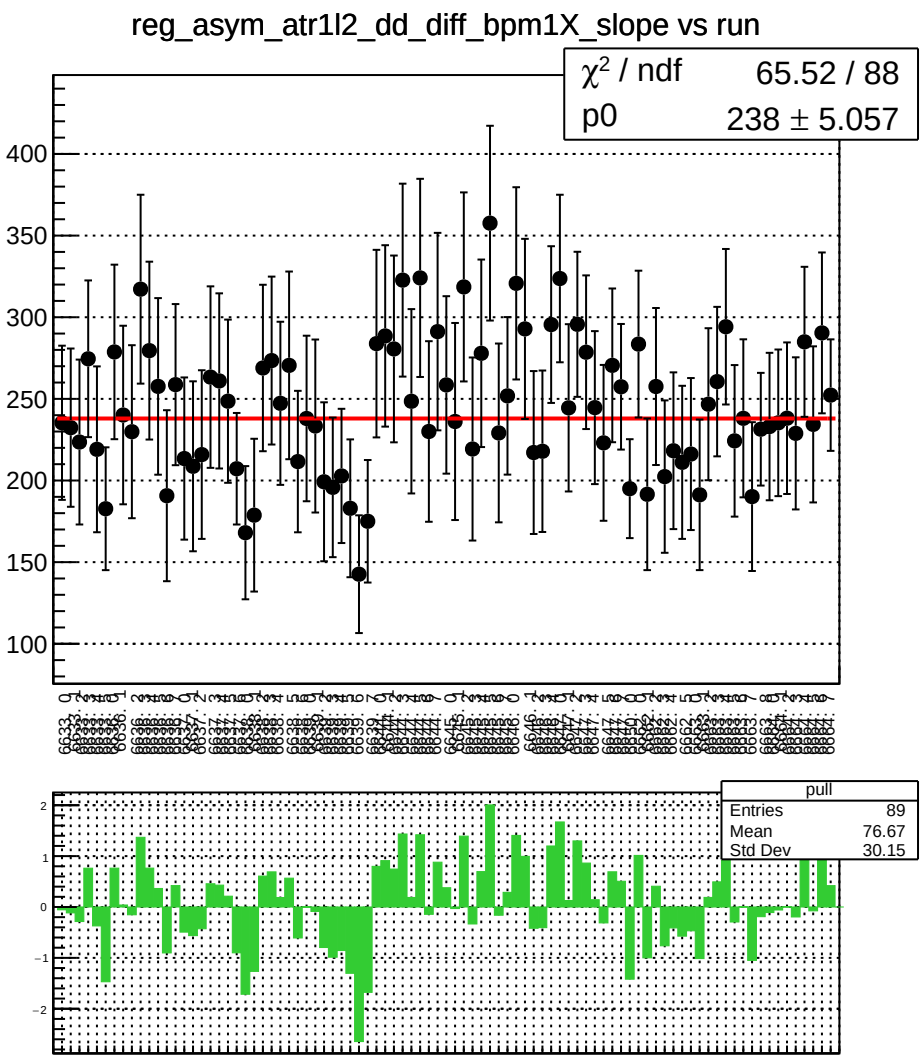

pull1D
Entries 89
Mean 0.07175
Std Dev 0.9186

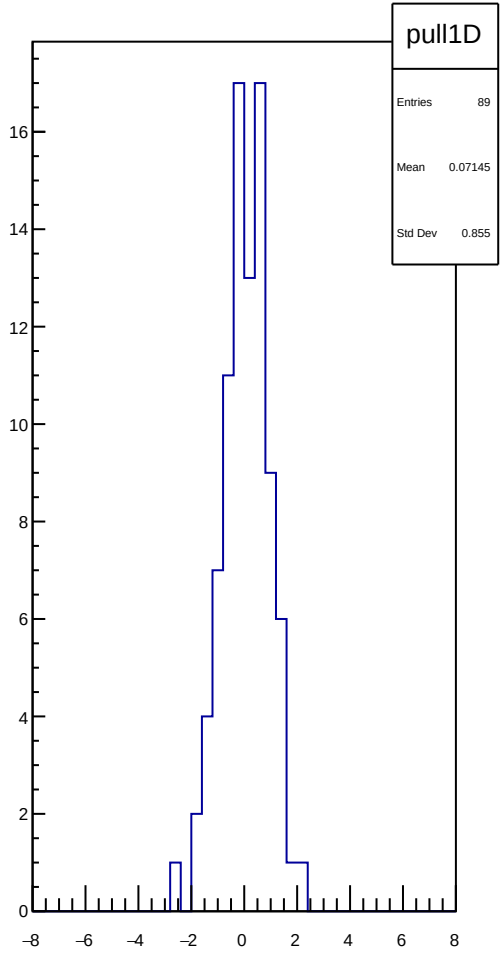

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.22 / 88
p0 99.37 ± 5.356
250
200
150
100
50
0
pull
Entries 89
Mean 958.8
Std Dev 903.6
2
1.5
1
0.5
0
−0.5
−1

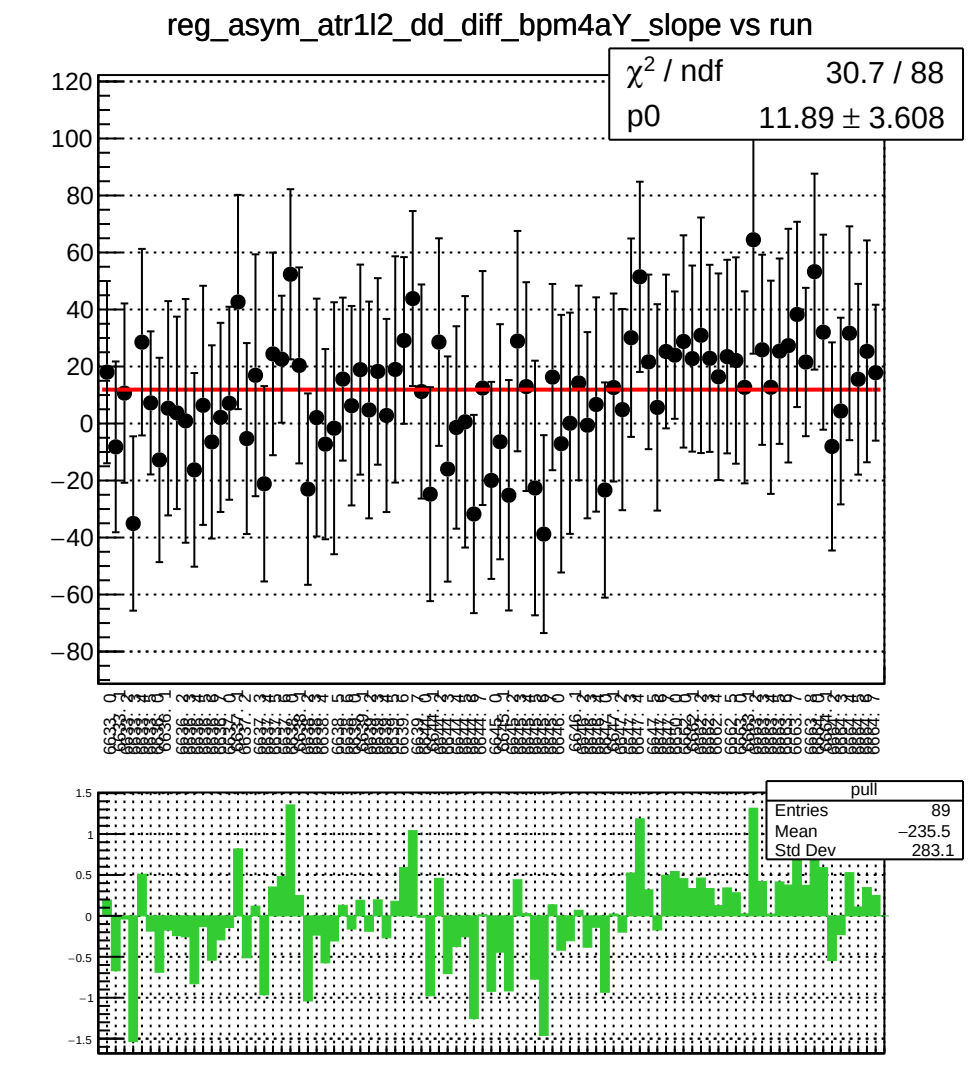

pull1D
Entries 89
Mean −0.007016
Std Dev 0.5729
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

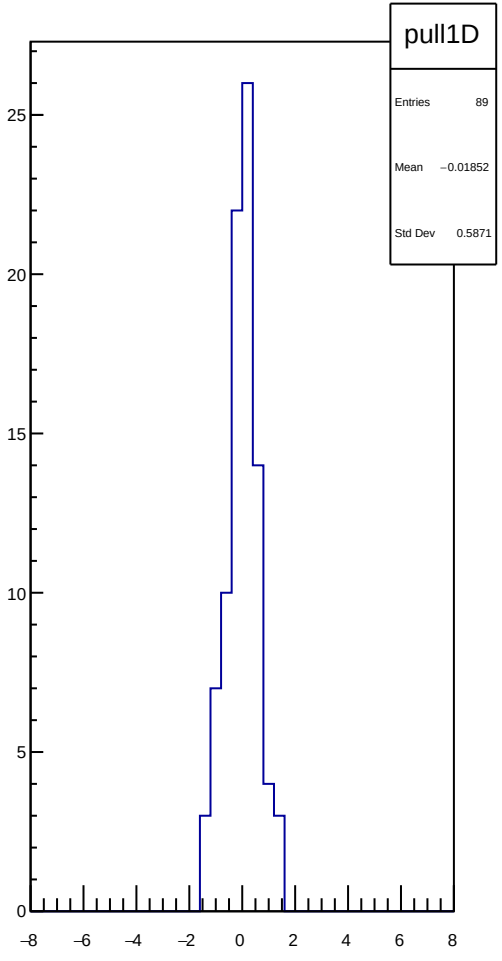

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 806.4 / 88
p0 −214.9 ± 0.297
pull
Entries 89
Mean −682.8
Std Dev 729.9

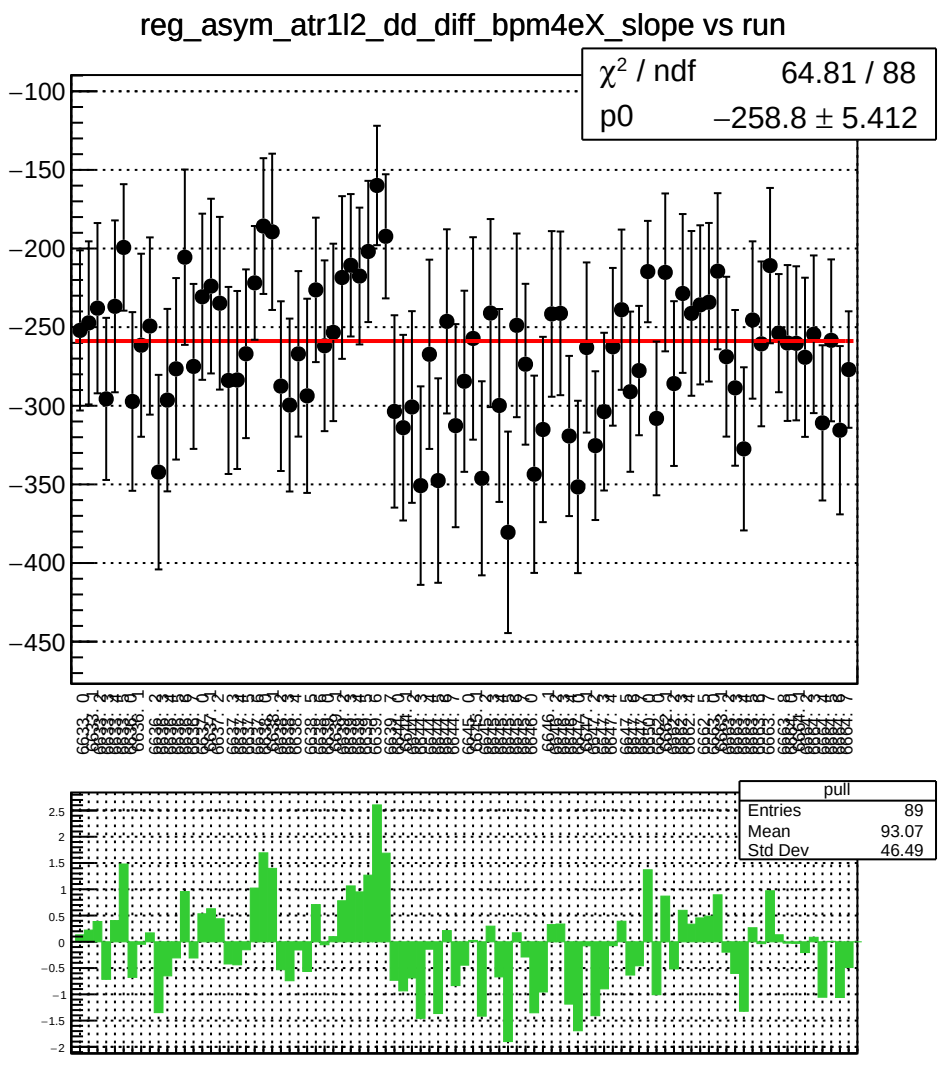

pull1D
Entries 89
Mean 0.09495
Std Dev 3.009

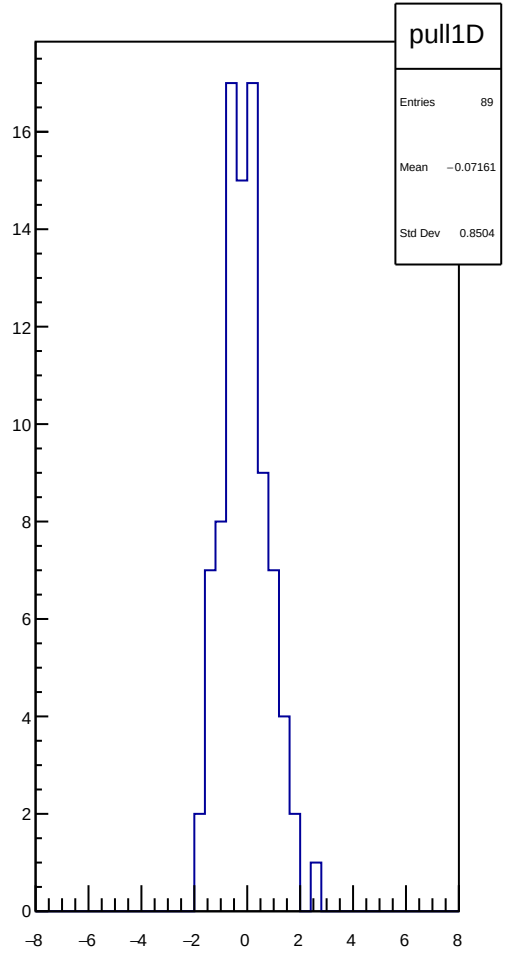

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 65.52 / 88
p0 238 ± 5.057
400
350
300
250
200
150
100
pull
Entries 89
Mean 76.67
Std Dev 30.15
2
1
0
−1
−2

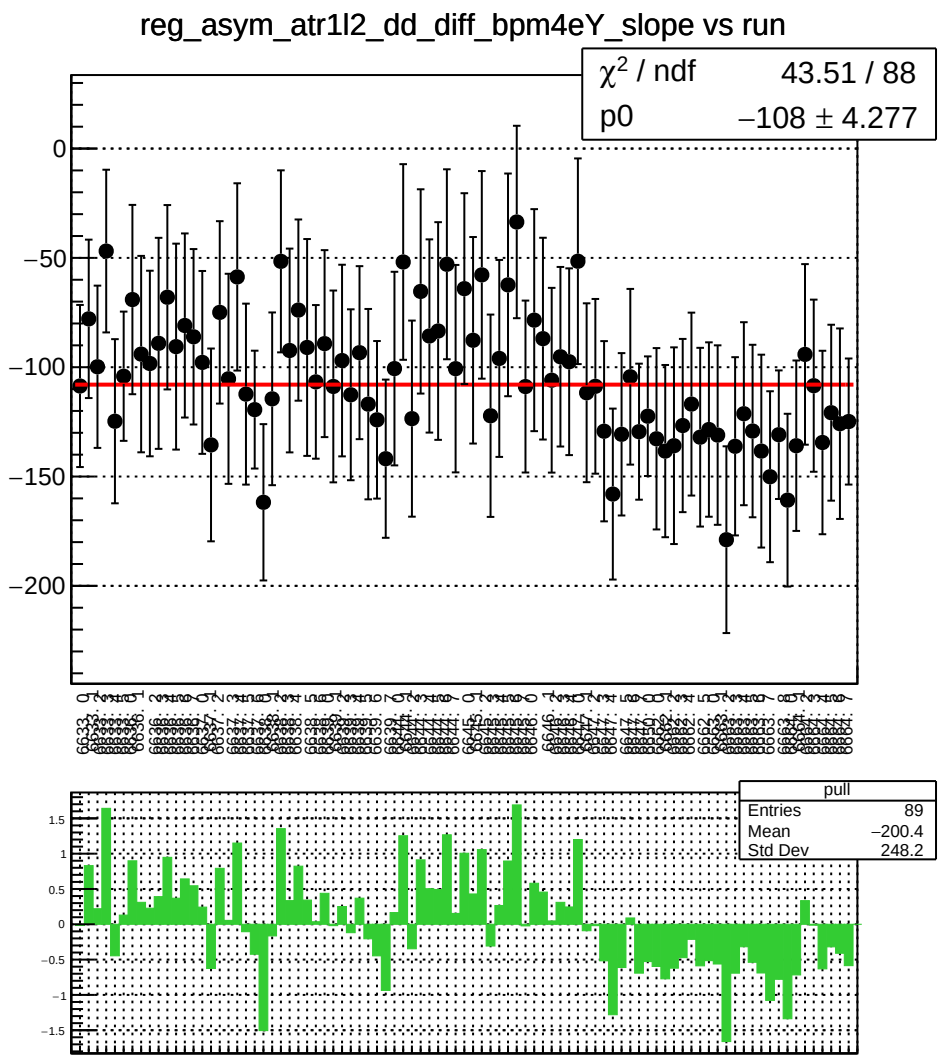

pull1D
Entries 89
Mean 0.07145
Std Dev 0.855
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

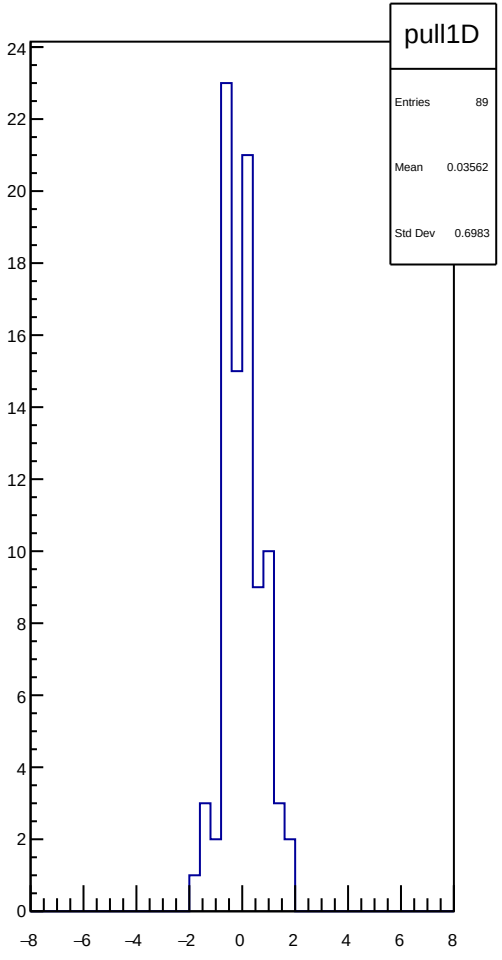

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.7 / 88
p0 11.89 ± 3.608
pull
Entries 89
Mean −235.5
Std Dev 283.1

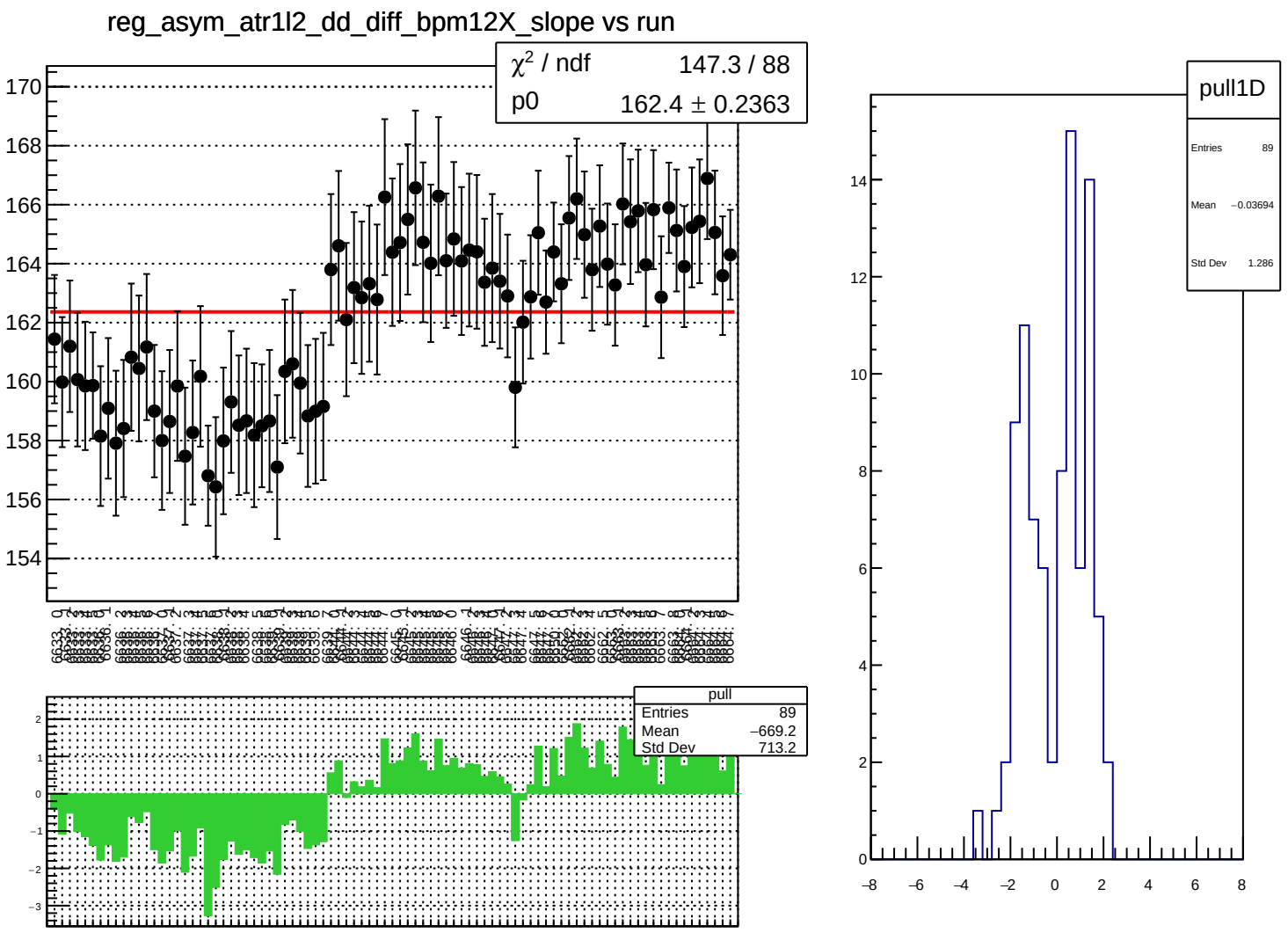

pull1D
Entries 89
Mean −0.01852
Std Dev 0.5871

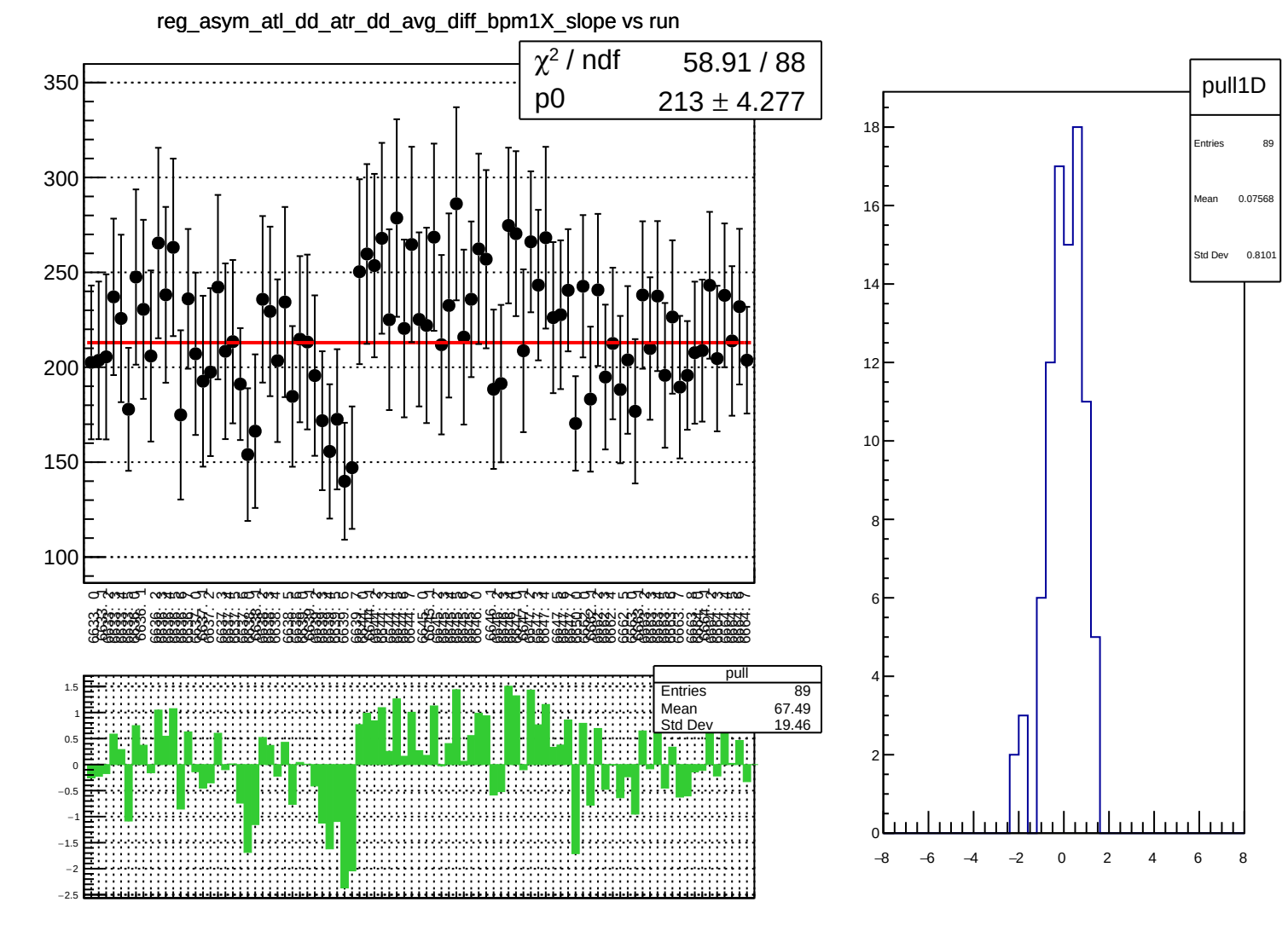

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.81 / 88
p0 −258.8 ± 5.412
pull
Entries 89
Mean 93.07
Std Dev 46.49

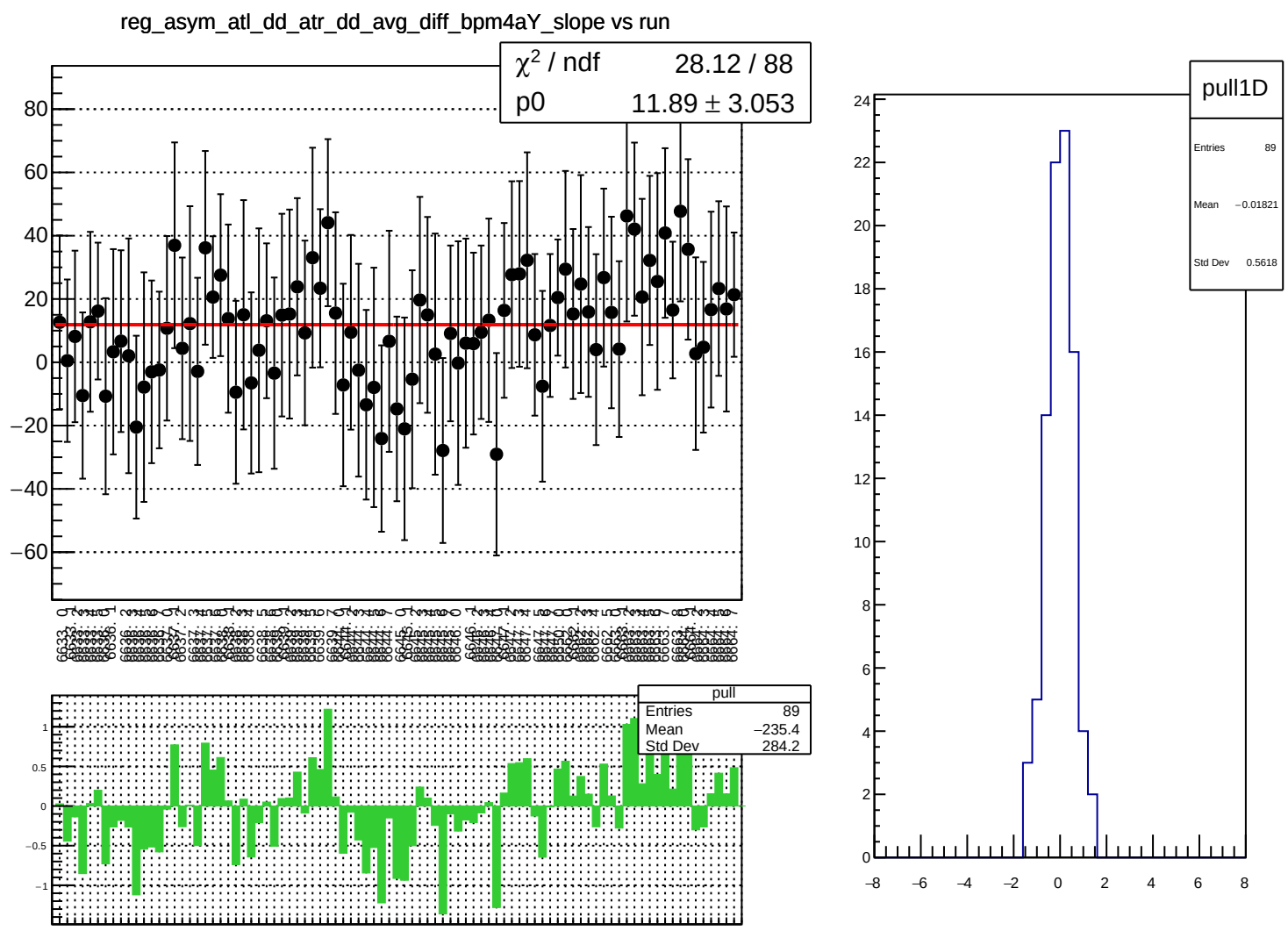

pull1D
Entries 89
Mean −0.07161
Std Dev 0.8504

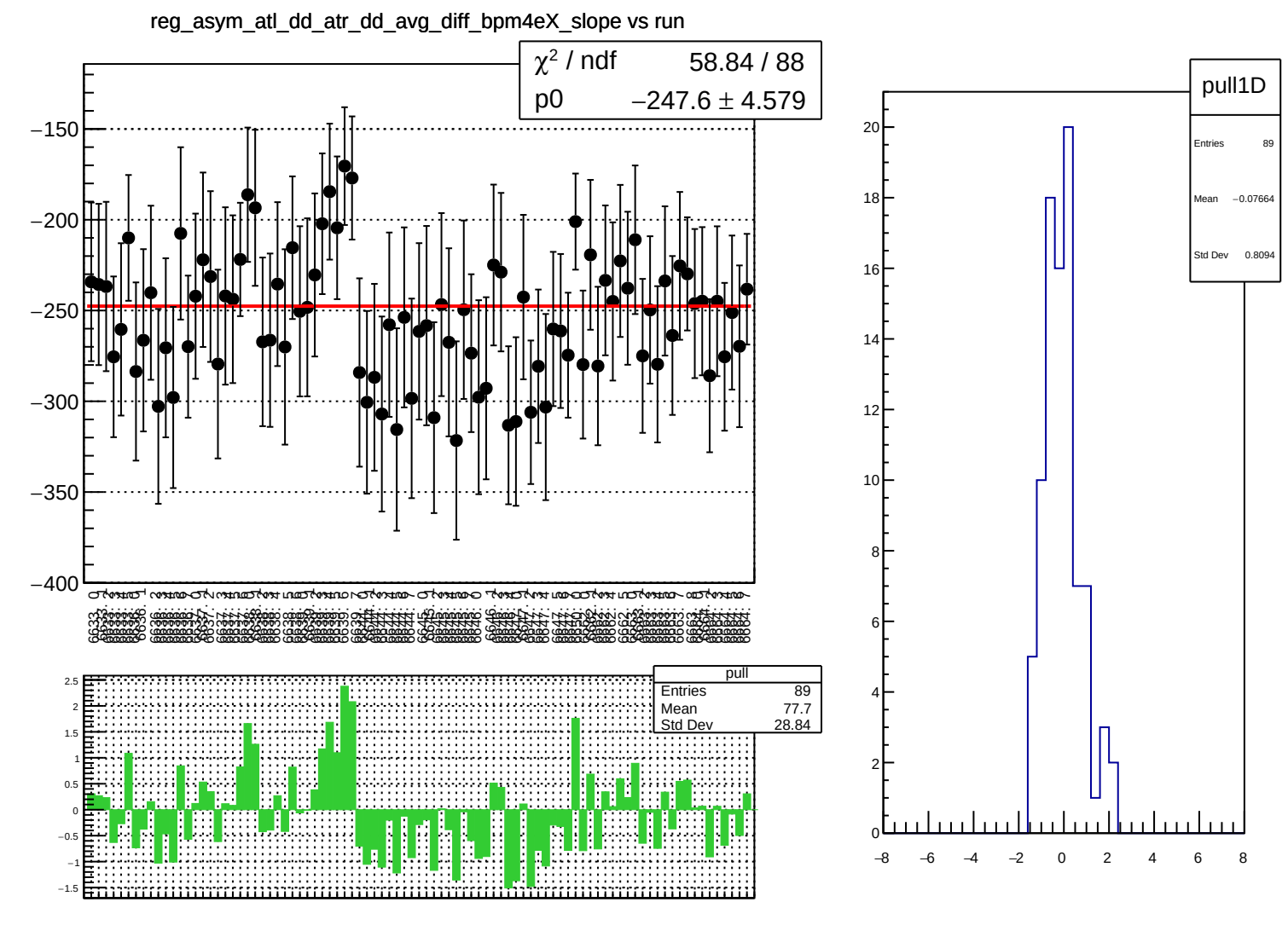

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.51 / 88
p0 −108 ± 4.277
0
−50
−100
−150
−200
pull
Entries 89
Mean −200.4
Std Dev 248.2
1.5
1
0.5
0
−0.5
−1
−1.5

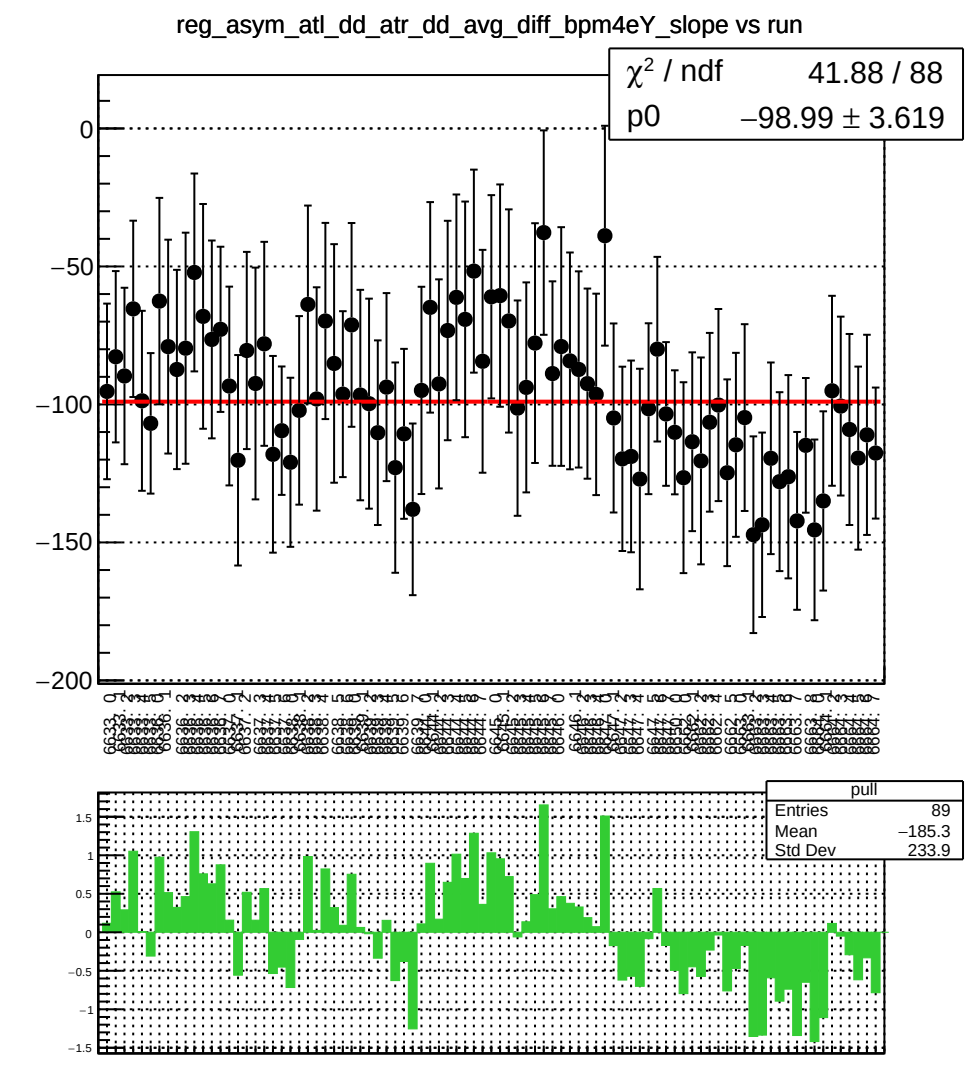

pull1D
Entries 89
Mean 0.03562
Std Dev 0.6983
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

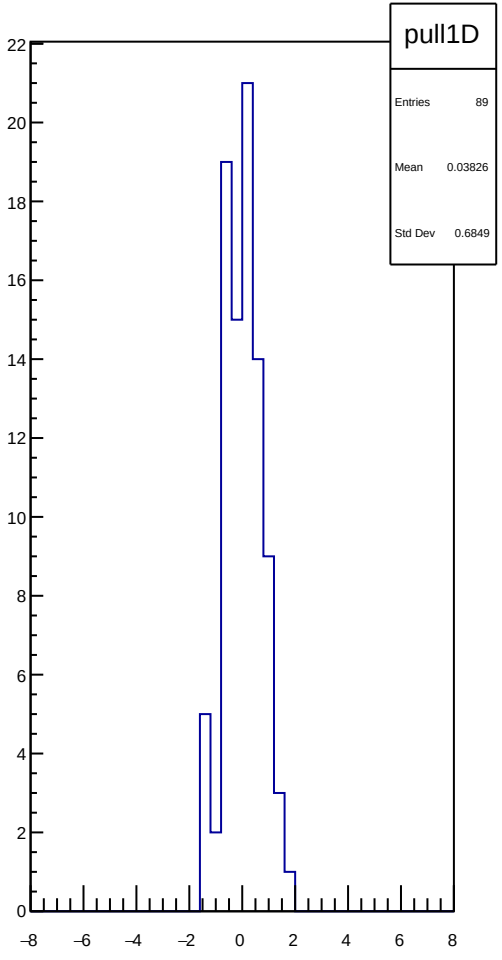

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 147.3 / 88
p0 162.4 ± 0.2363
170
168
166
164
162
160
158
156
154
pull
Entries 89
Mean −669.2
Std Dev 713.2
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.03694
Std Dev 1.286
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

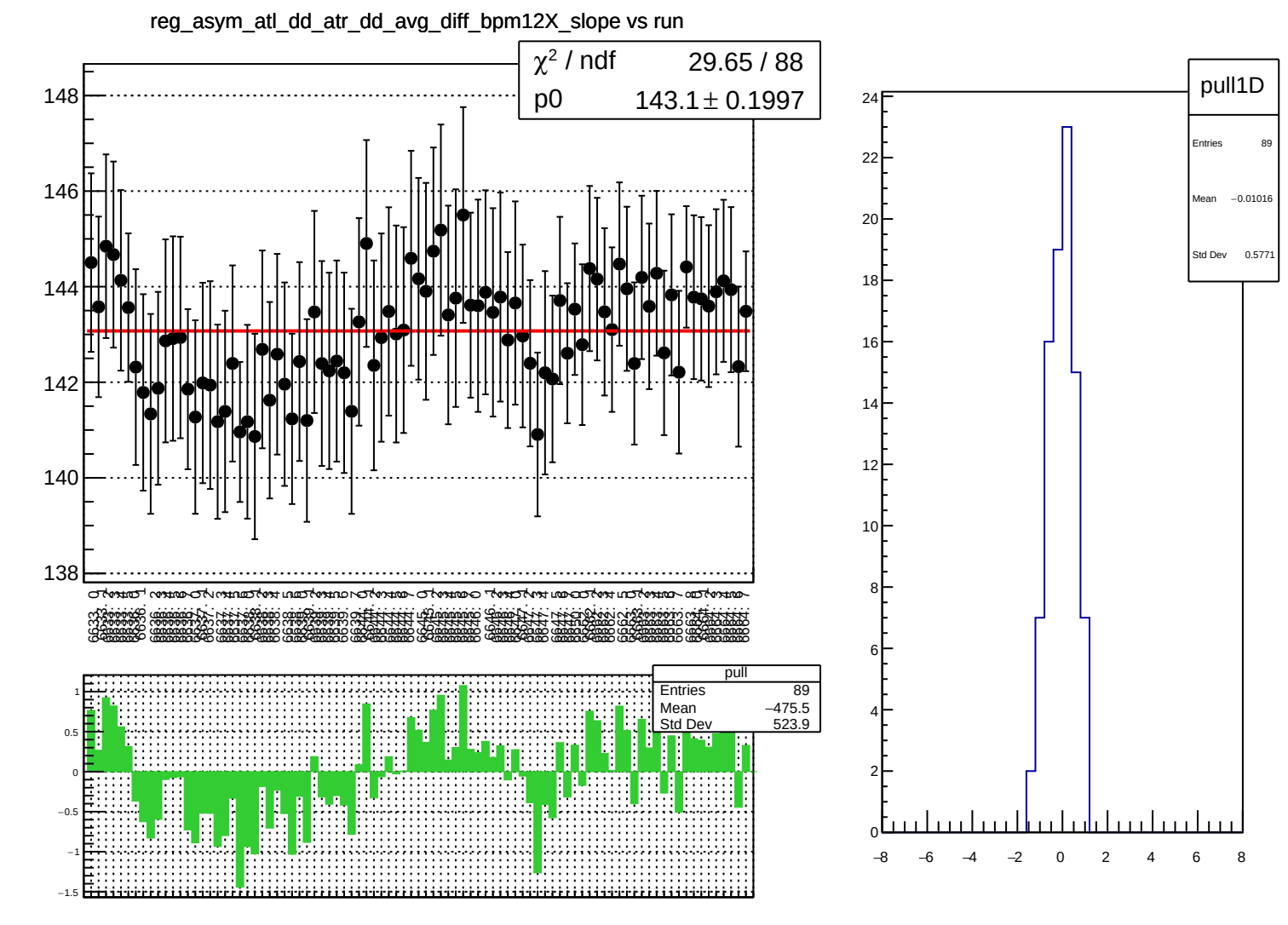

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 58.91 / 88
p0 213 ± 4.277
pull
Entries 89
Mean 67.49
Std Dev 19.46
pull1D
Entries 89
Mean 0.07568
Std Dev 0.8101

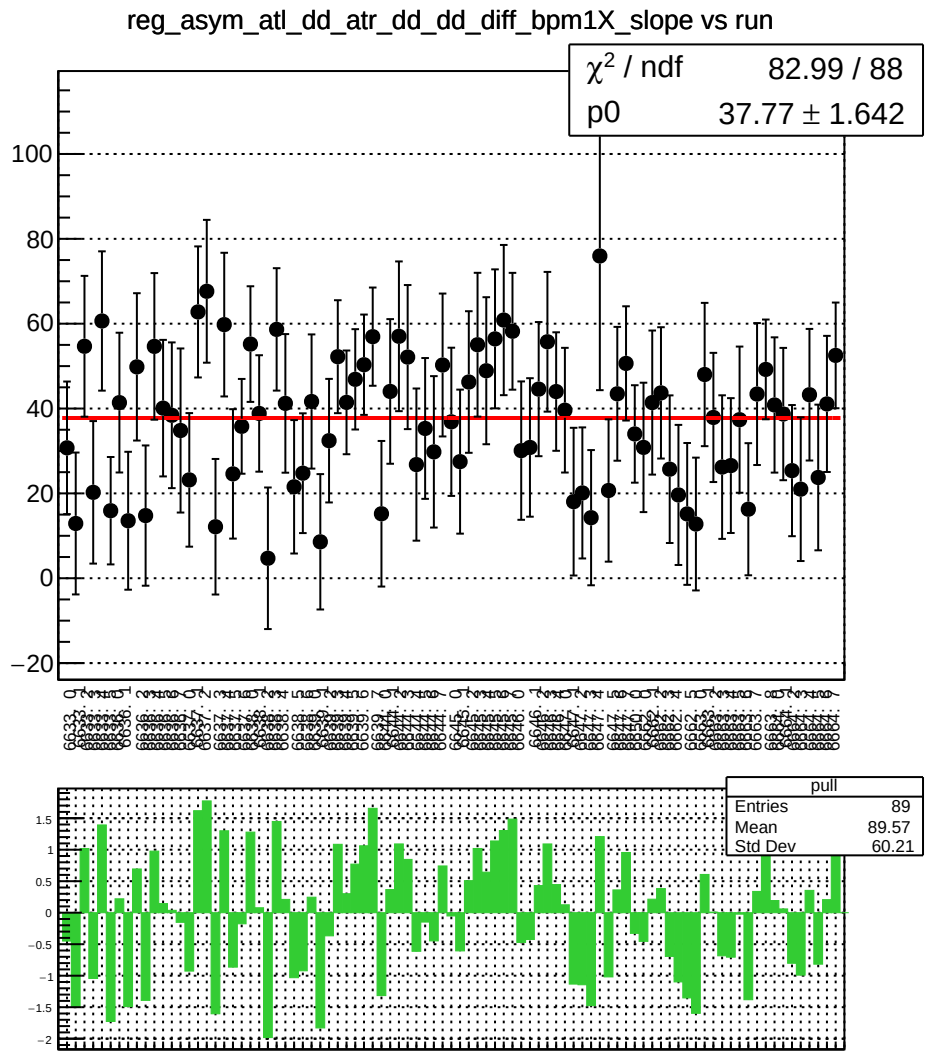

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.12 / 88
p0 11.89 ± 3.053
pull
Entries 89
Mean −235.4
Std Dev 284.2
pull1D
Entries 89
Mean −0.01821
Std Dev 0.5618

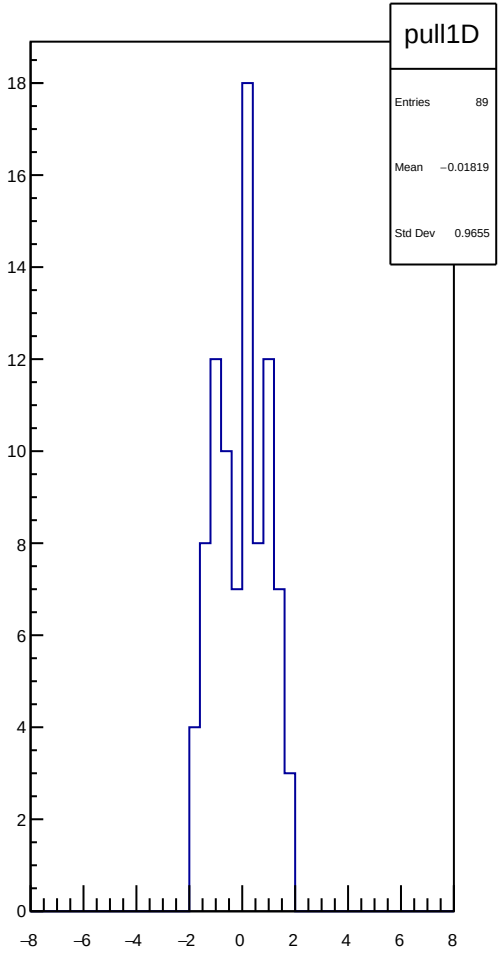

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.84 / 88
p0 −247.6 ± 4.579
−150
−200
−250
−300
−350
−400
pull
Entries 89
Mean 77.7
Std Dev 28.84
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 89
Mean −0.07664
Std Dev 0.8094
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

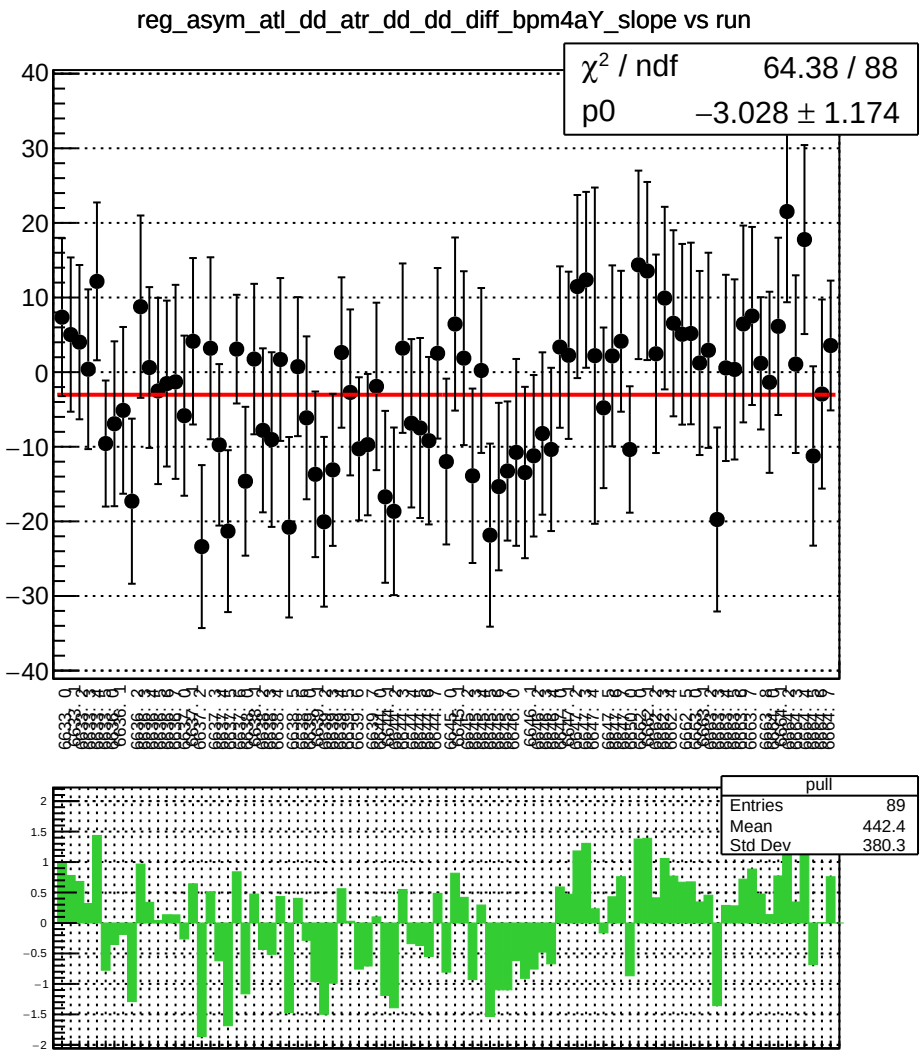

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.88 / 88
p0 −98.99 ± 3.619
pull
Entries 89
Mean −185.3
Std Dev 233.9

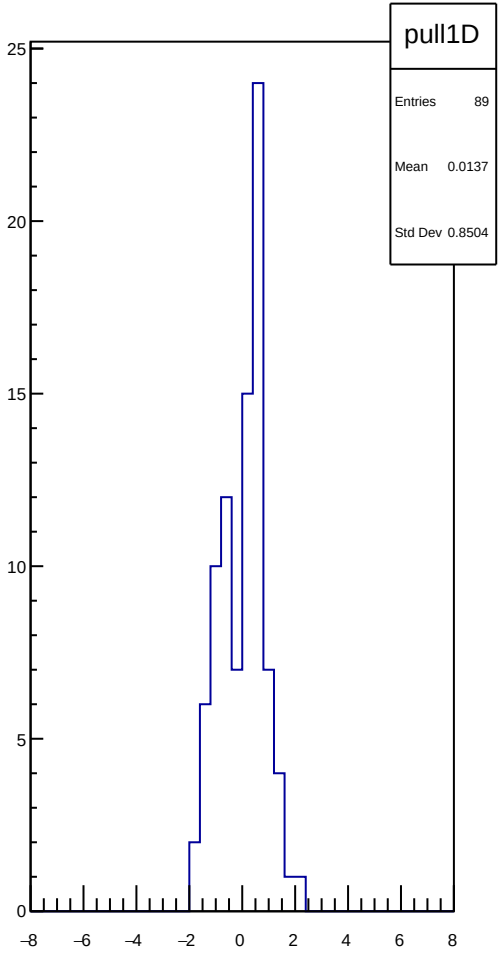

pull1D
Entries 89
Mean 0.03826
Std Dev 0.6849

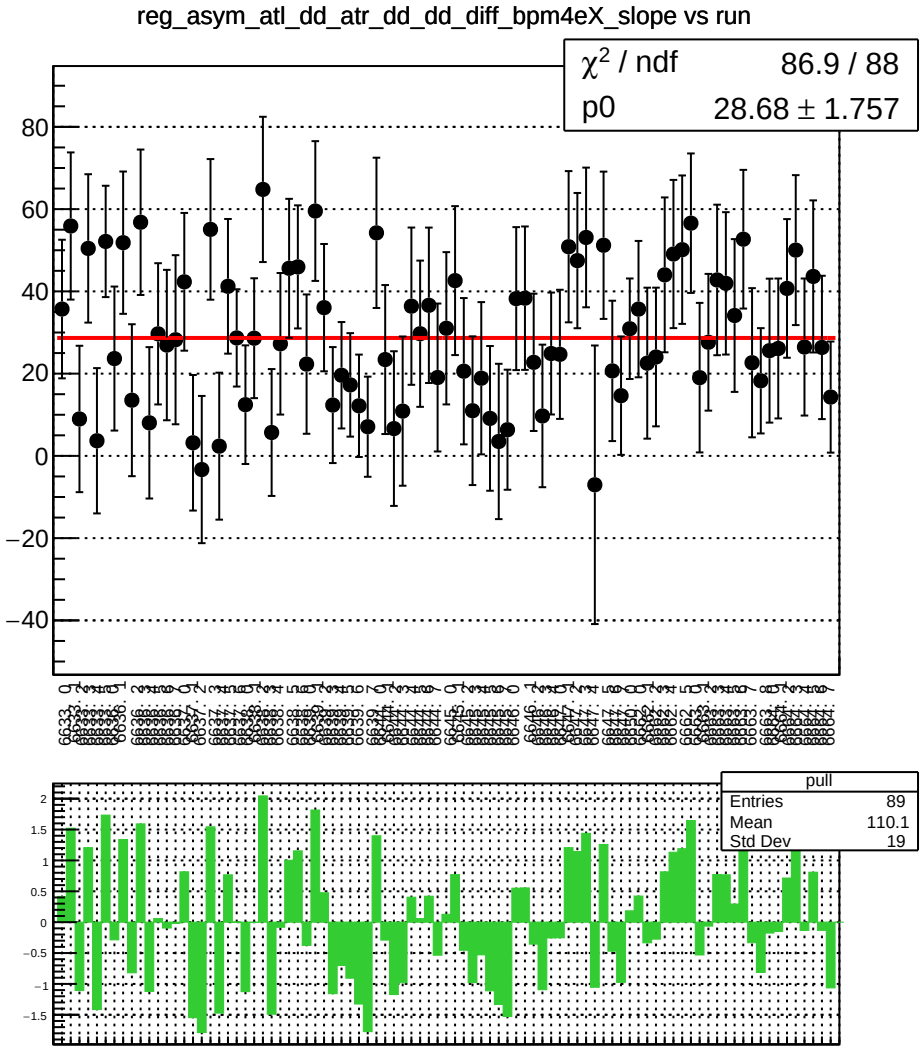

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 29.65 / 88
p0 143.1 ± 0.1997
148
146
144
142
140
138
pull
Entries 89
Mean −475.5
Std Dev 523.9
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 89
Mean −0.01016
Std Dev 0.5771
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

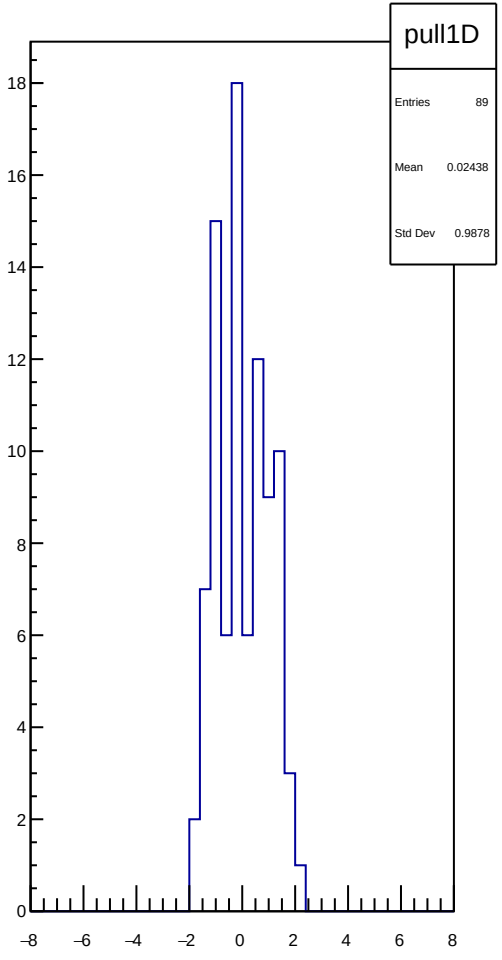

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 82.99 / 88
p0 37.77 ± 1.642
pull
Entries 89
Mean 89.57
Std Dev 60.21

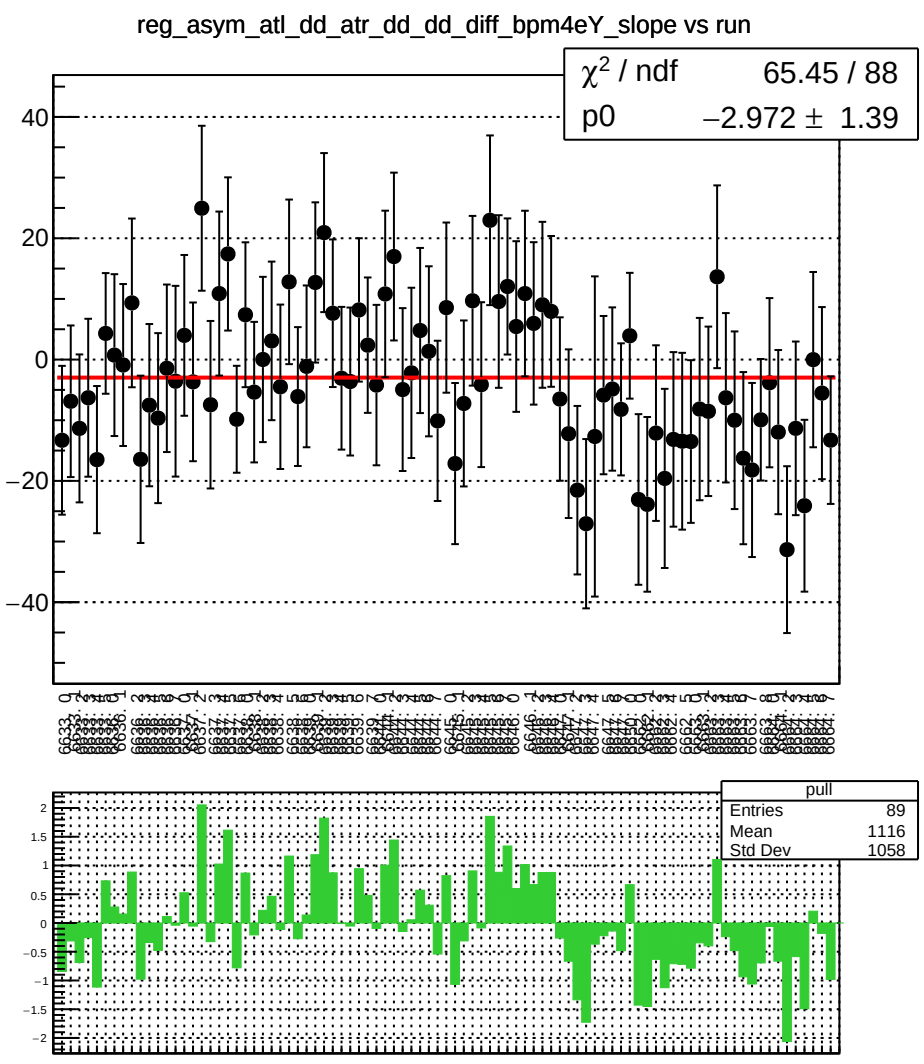

pull1D
Entries 89
Mean −0.01819
Std Dev 0.9655

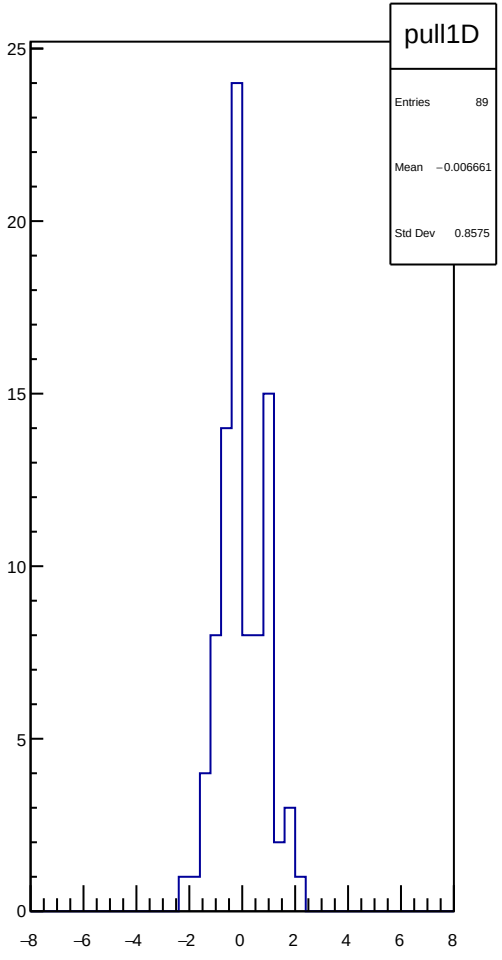

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.38 / 88
p0 −3.028 ± 1.174
pull
Entries 89
Mean 442.4
Std Dev 380.3

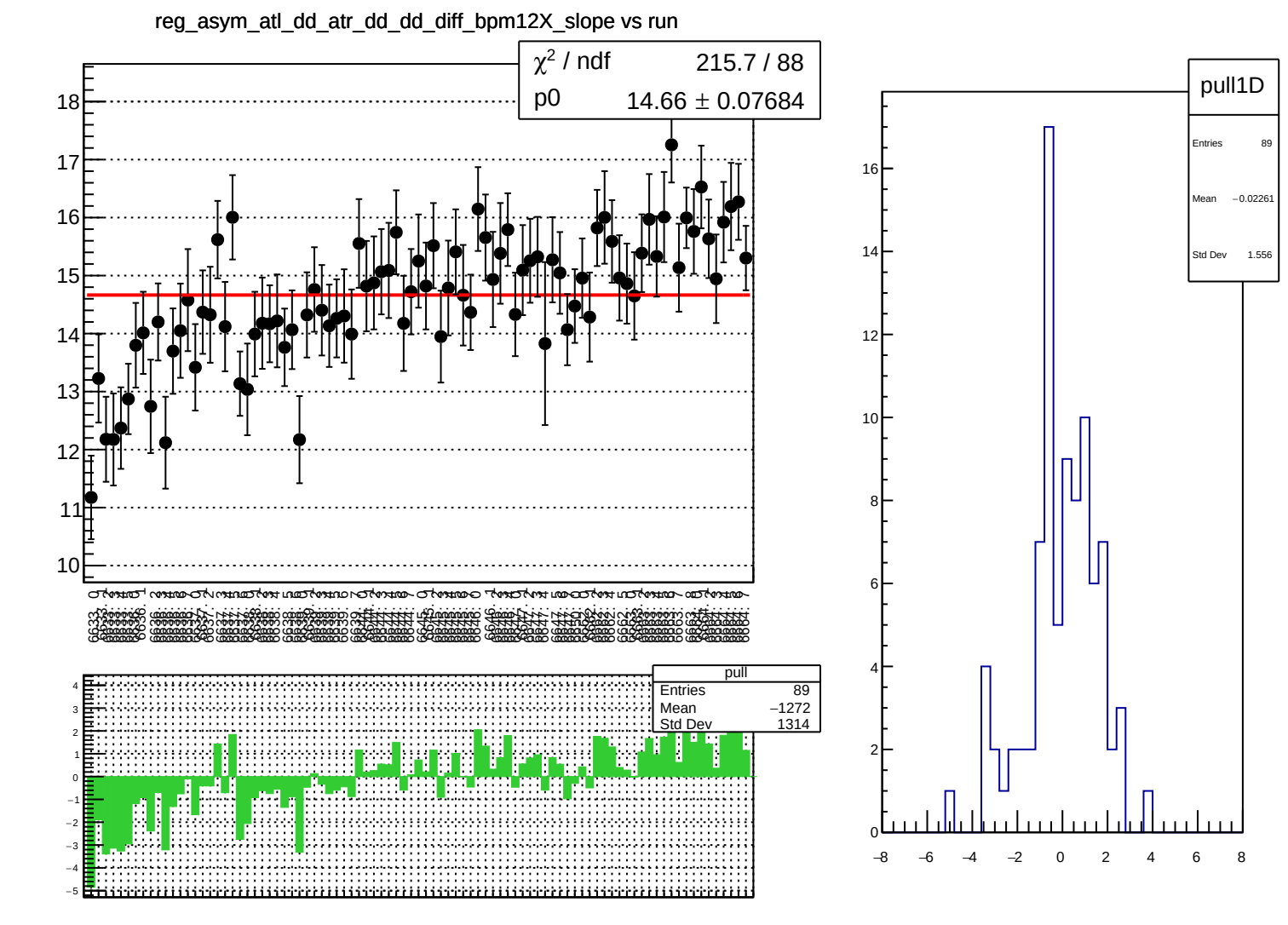

pull1D
Entries 89
Mean 0.0137
Std Dev 0.8504

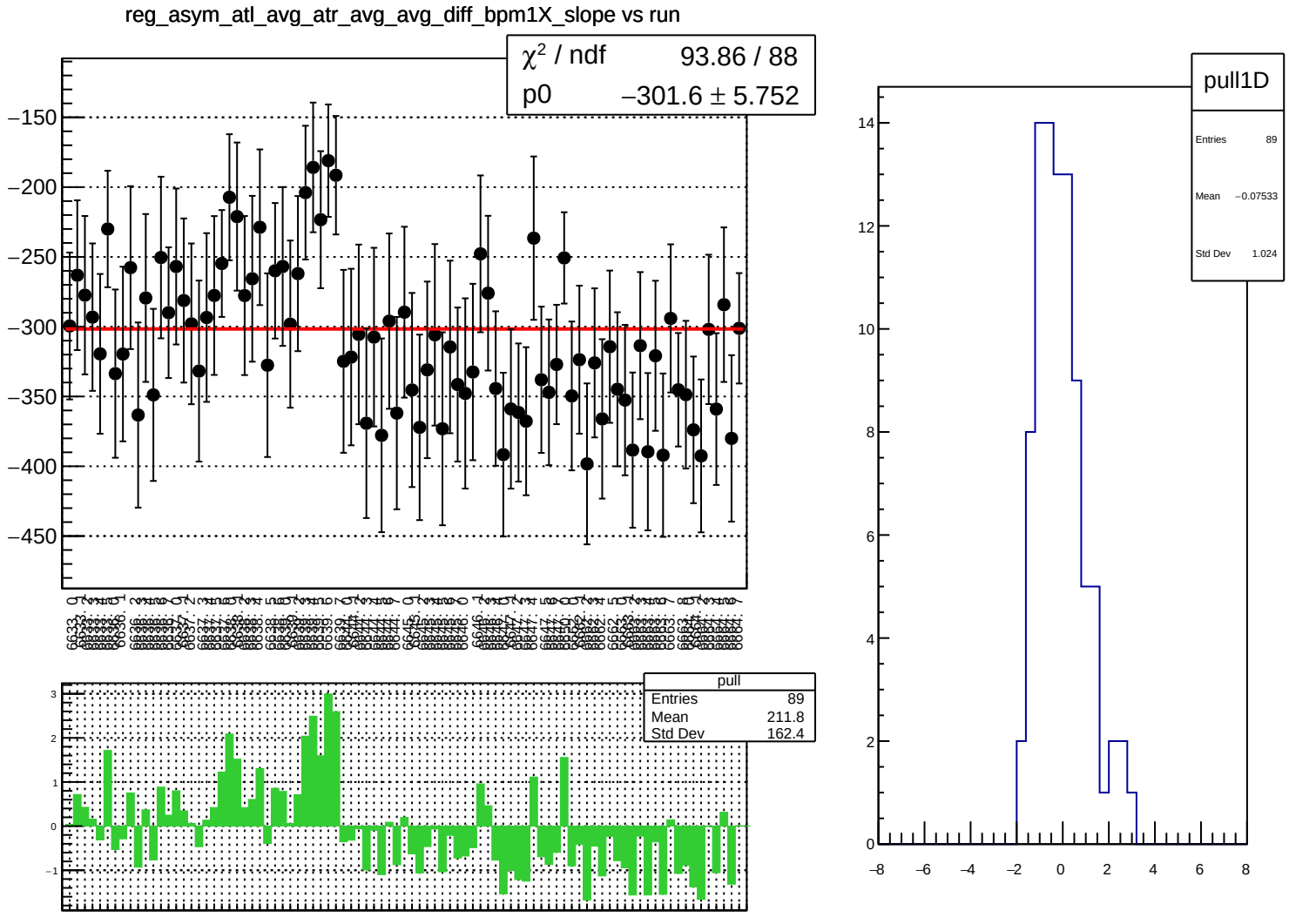

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 86.9 / 88
p0 28.68 ± 1.757
pull
Entries 89
Mean 110.1
Std Dev 19

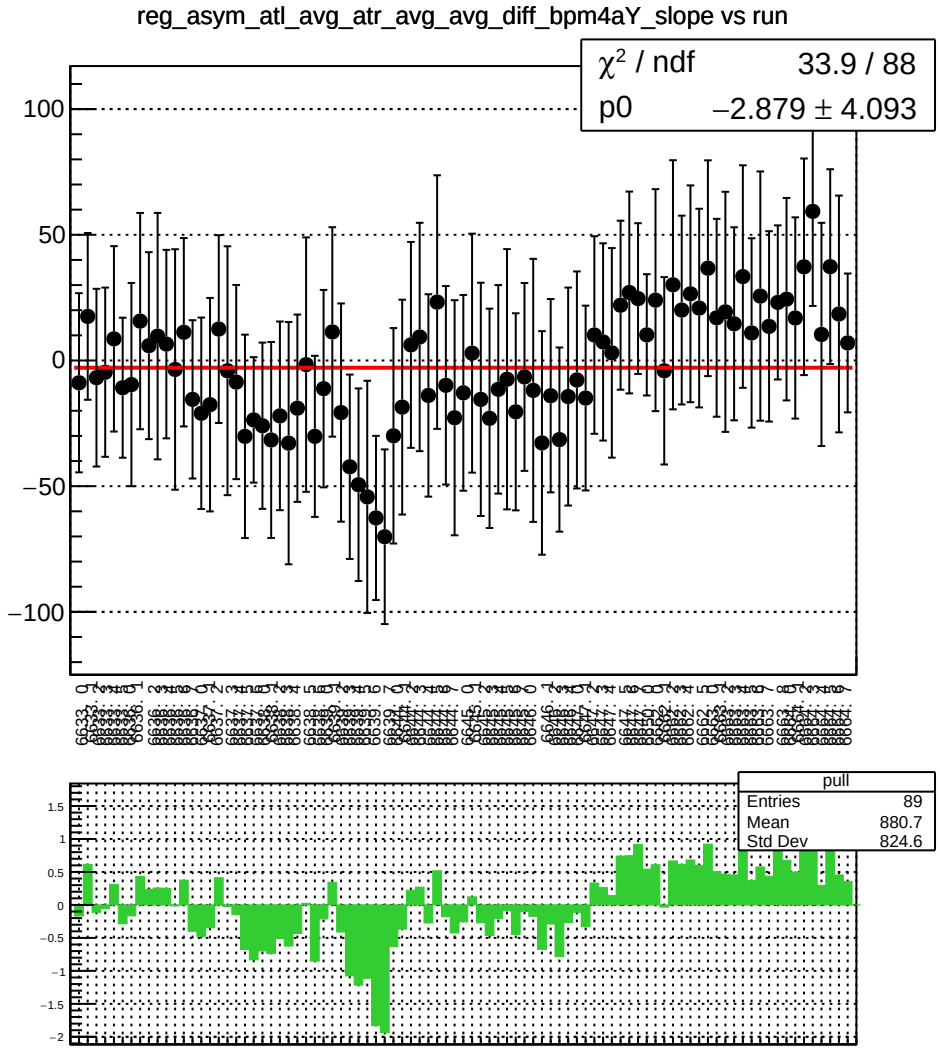

pull1D
Entries 89
Mean 0.02438
Std Dev 0.9878

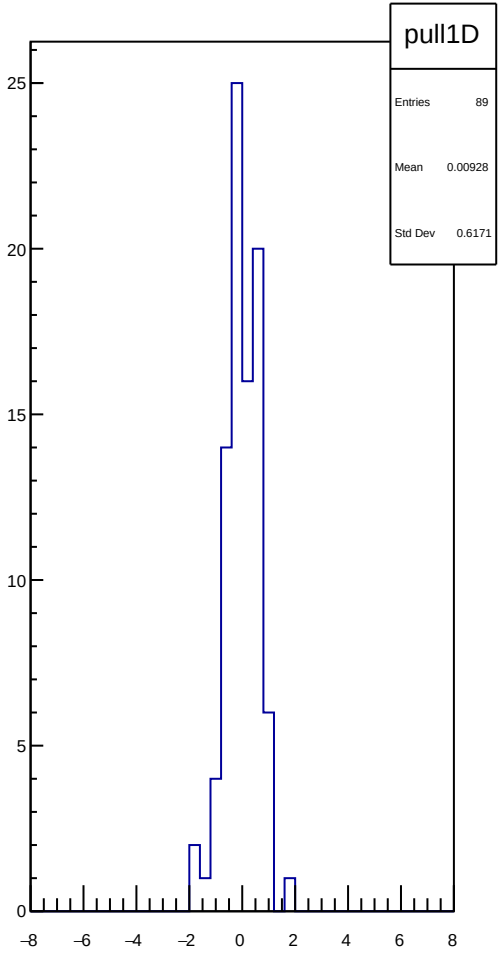

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.45 / 88
p0 −2.972 ± 1.39
pull
Entries 89
Mean 1116
Std Dev 1058

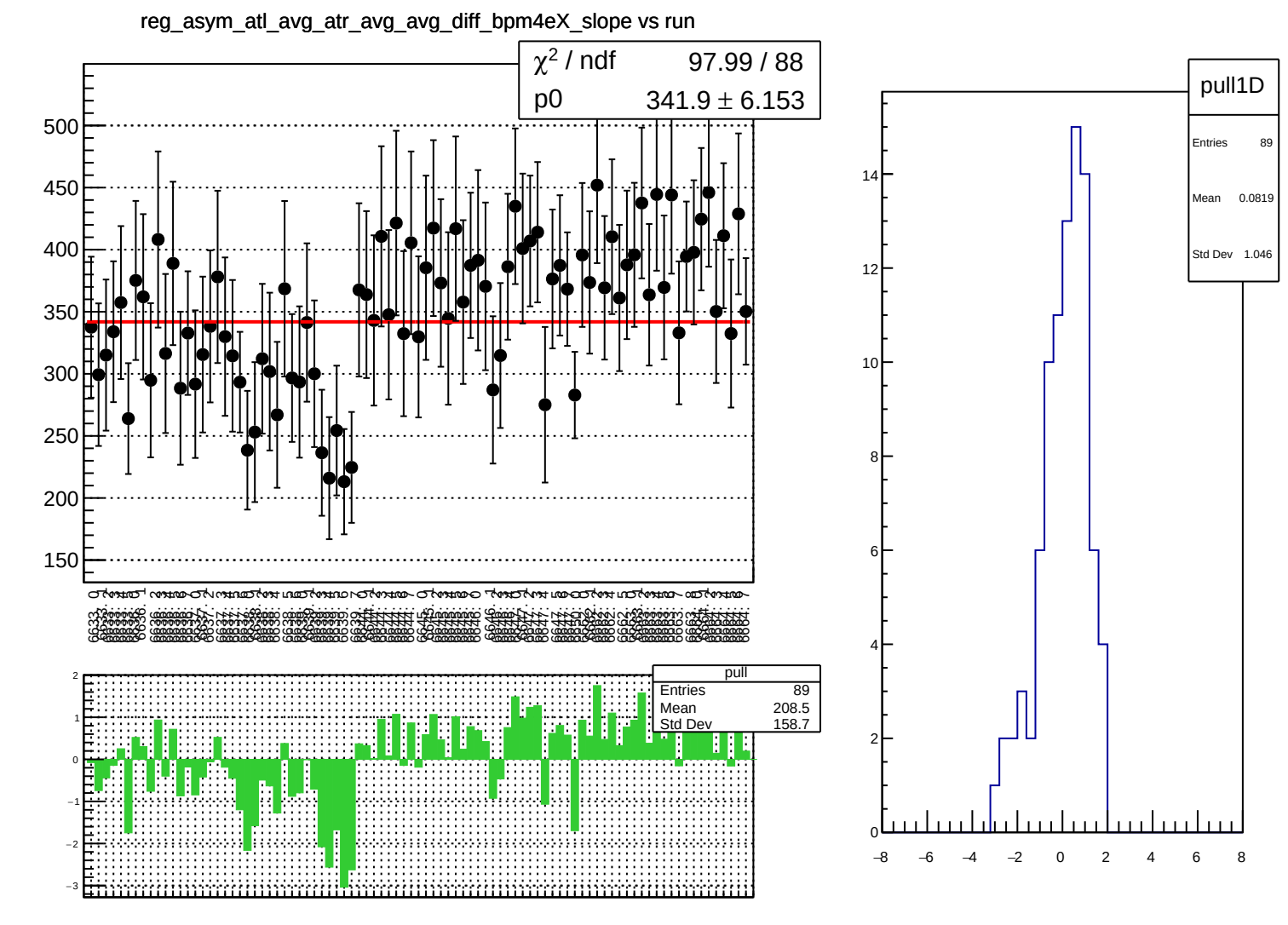

pull1D
Entries 89
Mean −0.006661
Std Dev 0.8575

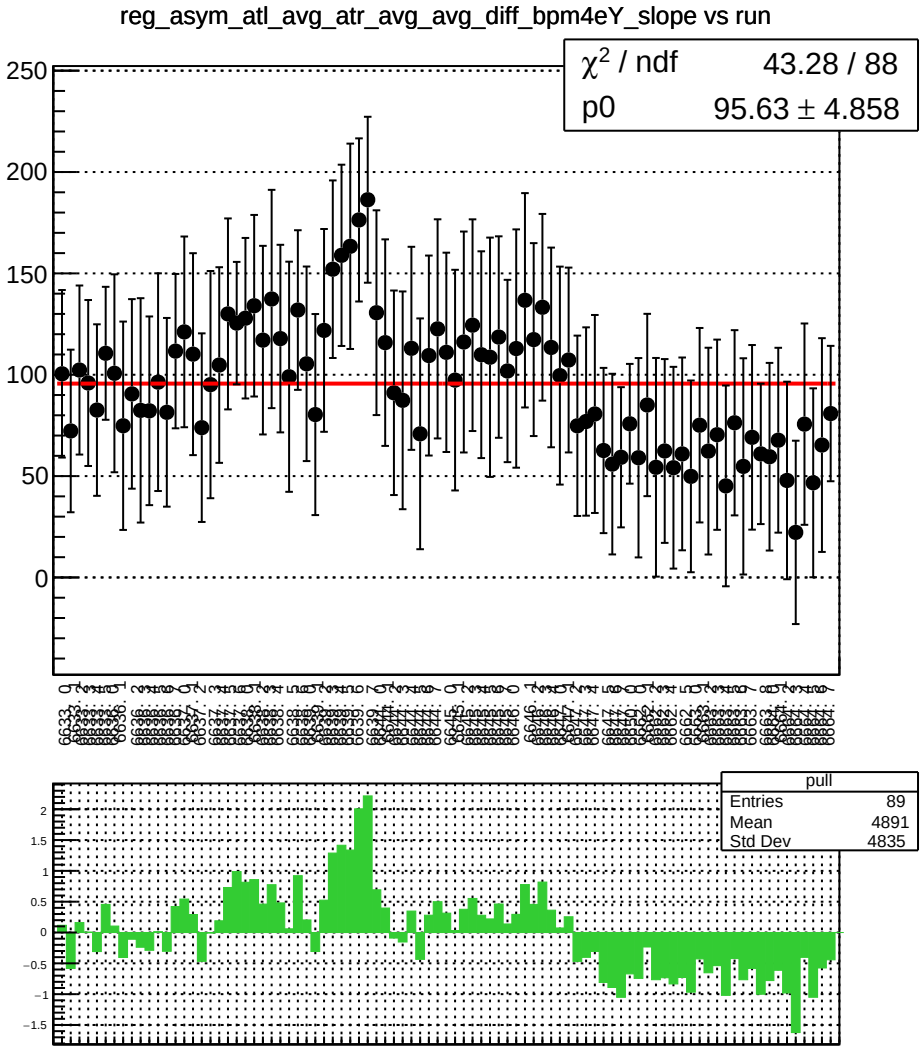

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 215.7 / 88
p0 14.66 ± 0.07684
pull
Entries 89
Mean −1272
Std Dev 1314
pull1D
Entries 89
Mean −0.02261
Std Dev 1.556

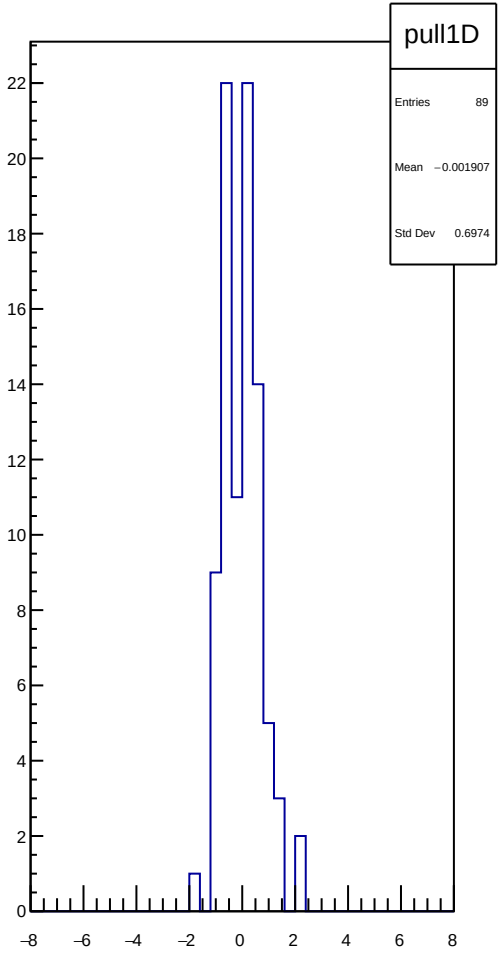

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 93.86 / 88
p0 −301.6 ± 5.752
−150
−200
−250
−300
−350
−400
−450
pull
Entries 89
Mean 211.8
Std Dev 162.4
3
2
1
0
−1
pull1D
Entries 89
Mean −0.07533
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

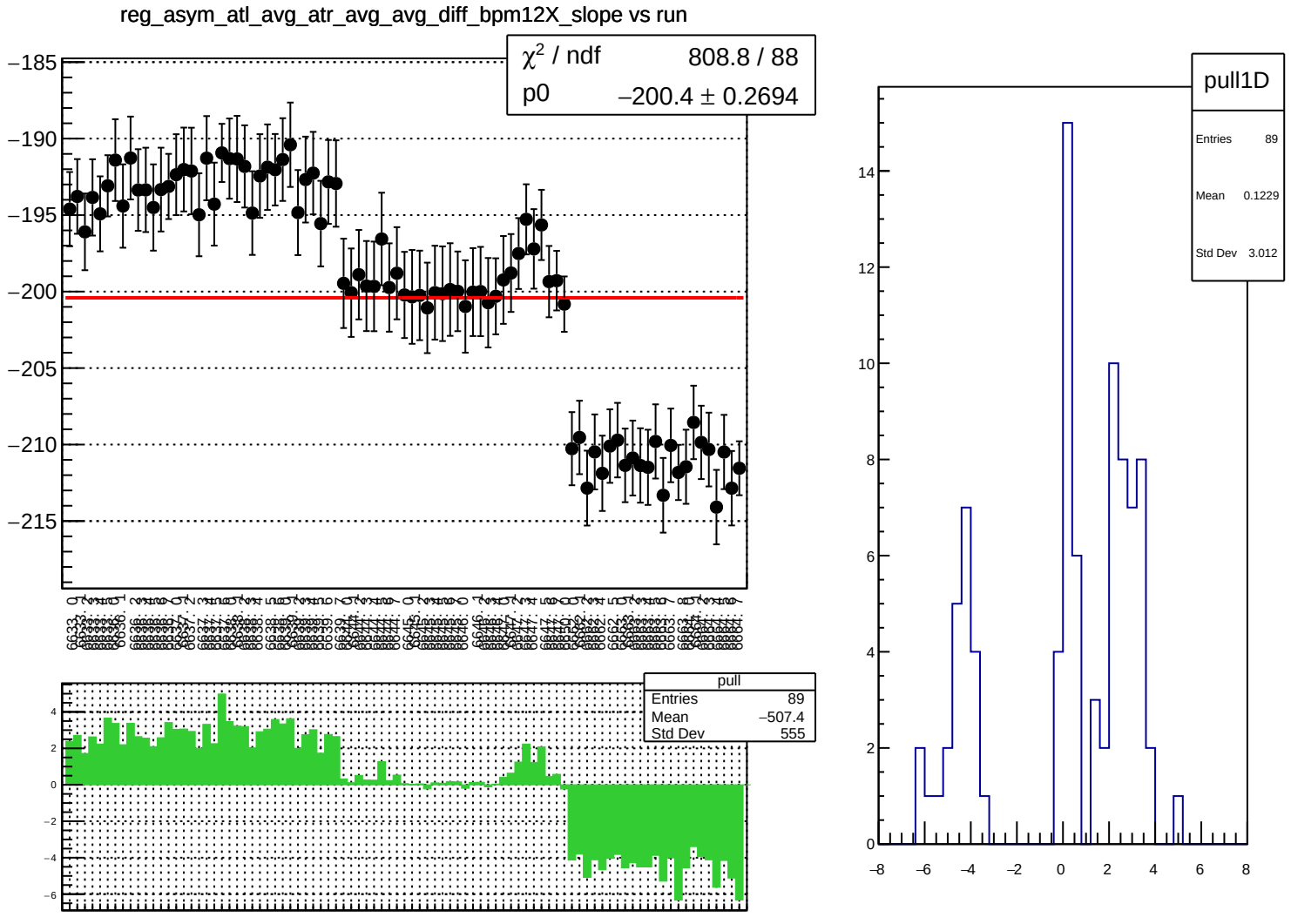

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.9 / 88
p0 −2.879 ± 4.093
100
50
0
−50
−100
pull
Entries 89
Mean 880.7
Std Dev 824.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

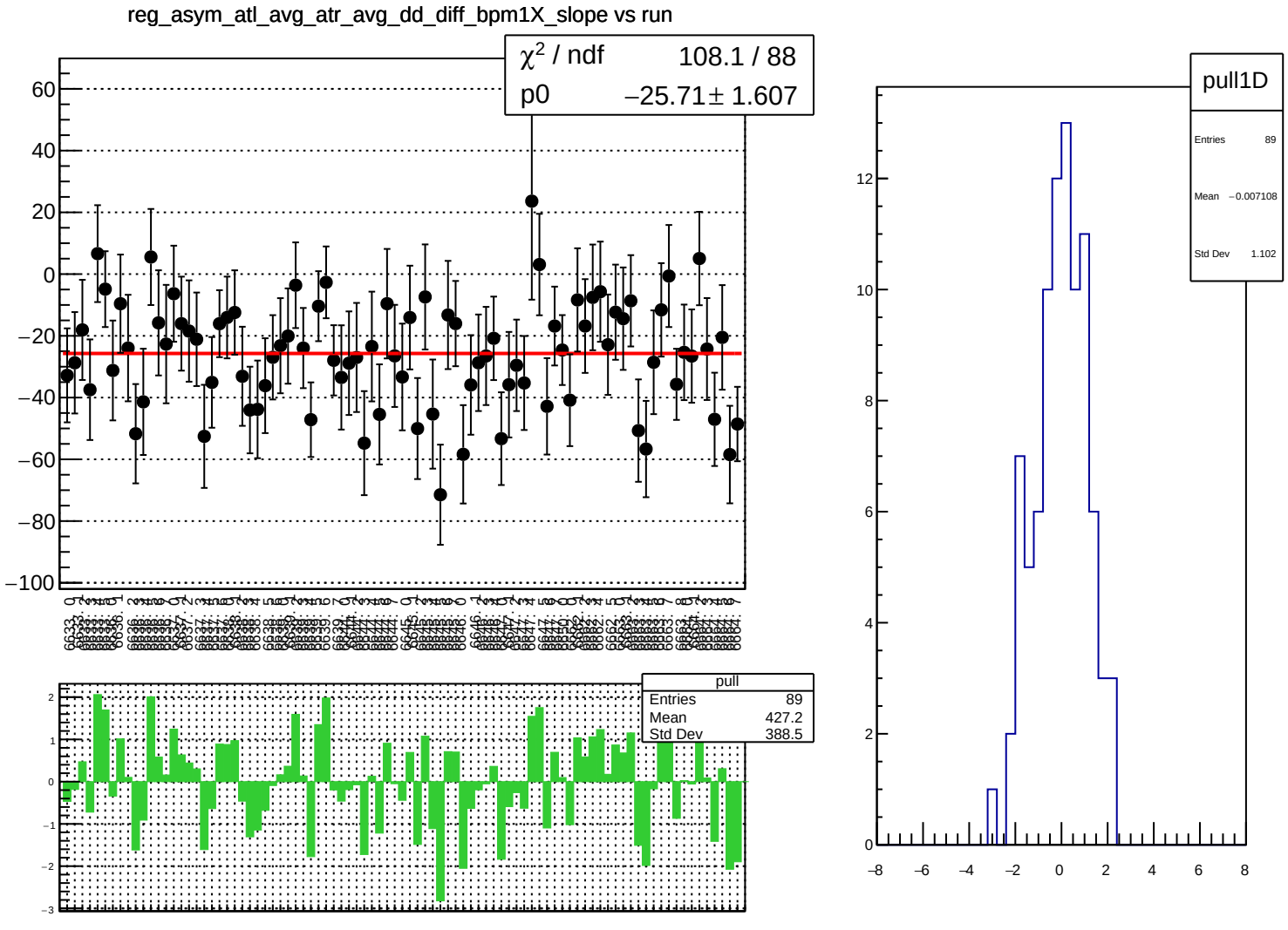

pull1D
Entries 89
Mean 0.00928
Std Dev 0.6171
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

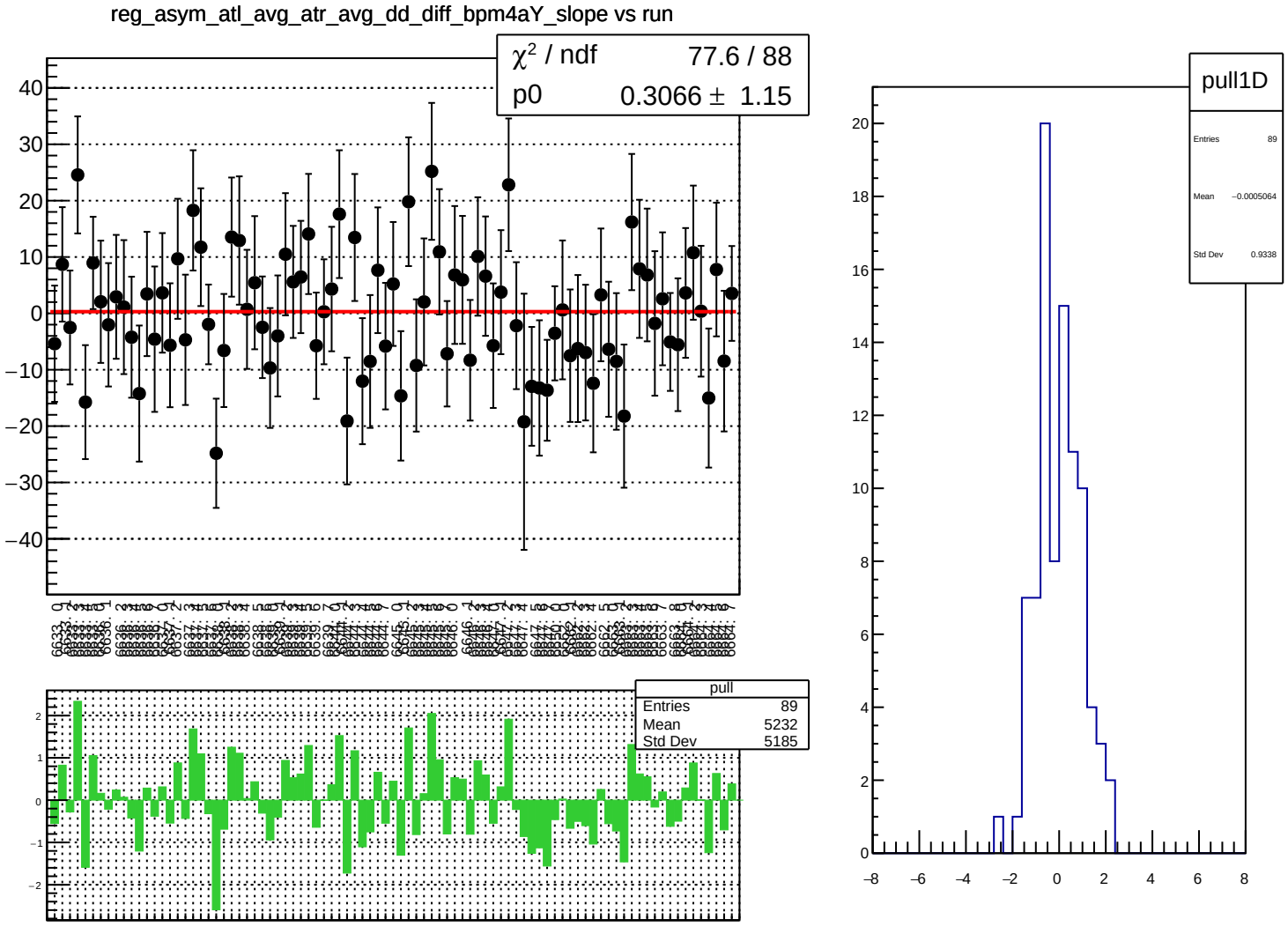

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 97.99 / 88
p0 341.9 ± 6.153
pull
Entries 89
Mean 208.5
Std Dev 158.7
pull1D
Entries 89
Mean 0.0819
Std Dev 1.046

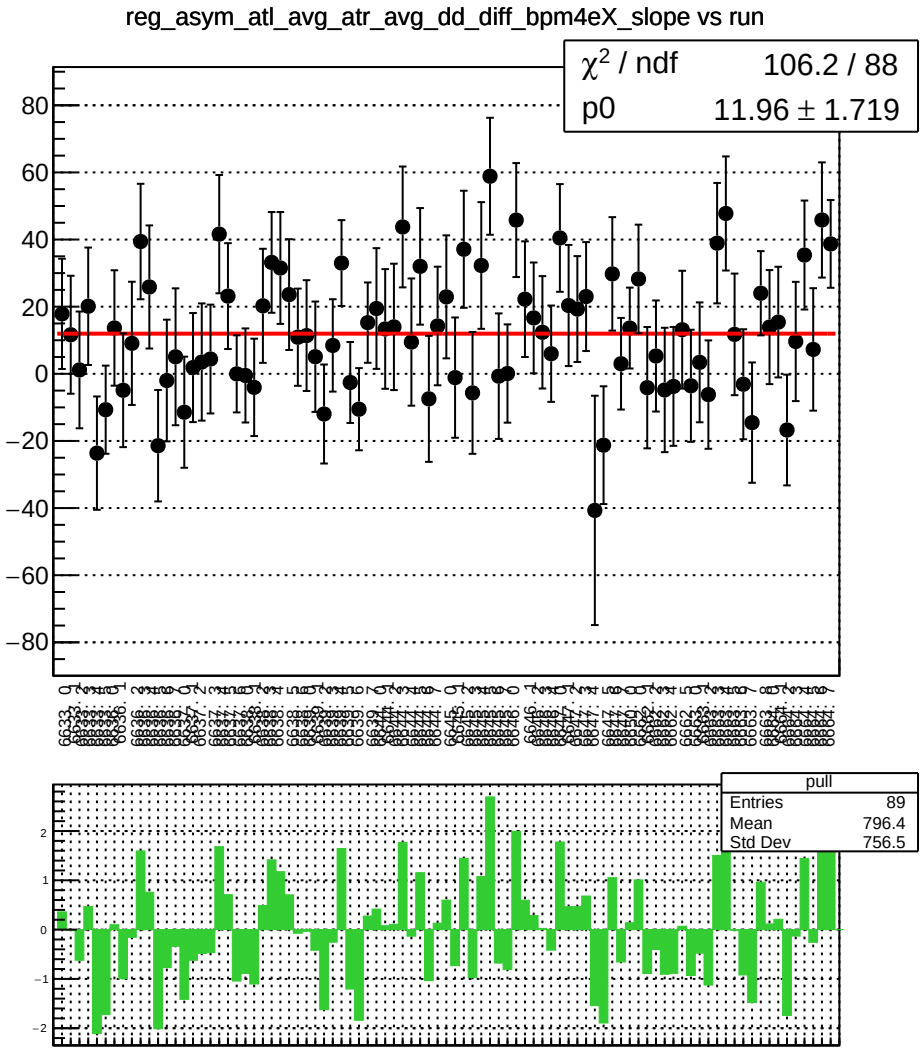

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.28 / 88
p0 95.63 ± 4.858
250
200
150
100
50
0
pull
Entries 89
Mean 4891
Std Dev 4835
2
1.5
1
0.5
0
−0.5
−1
−1.5

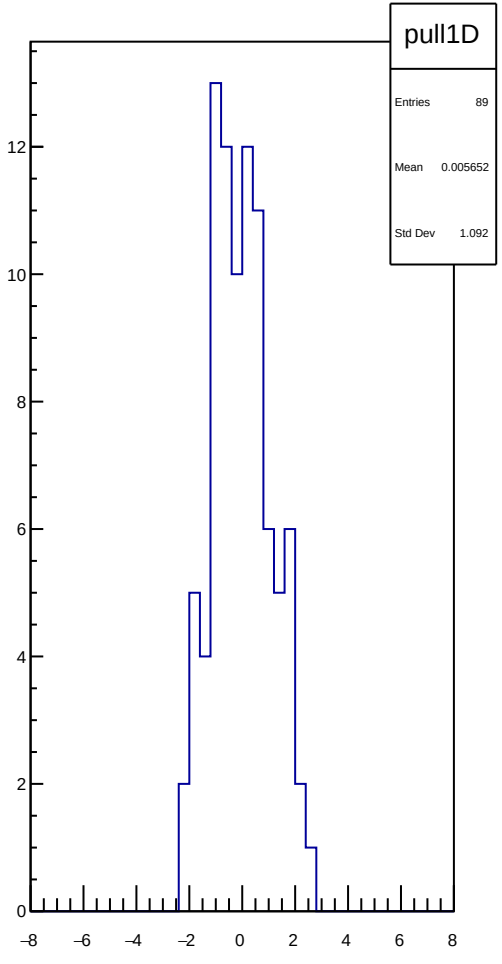

pull1D
Entries 89
Mean −0.001907
Std Dev 0.6974
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

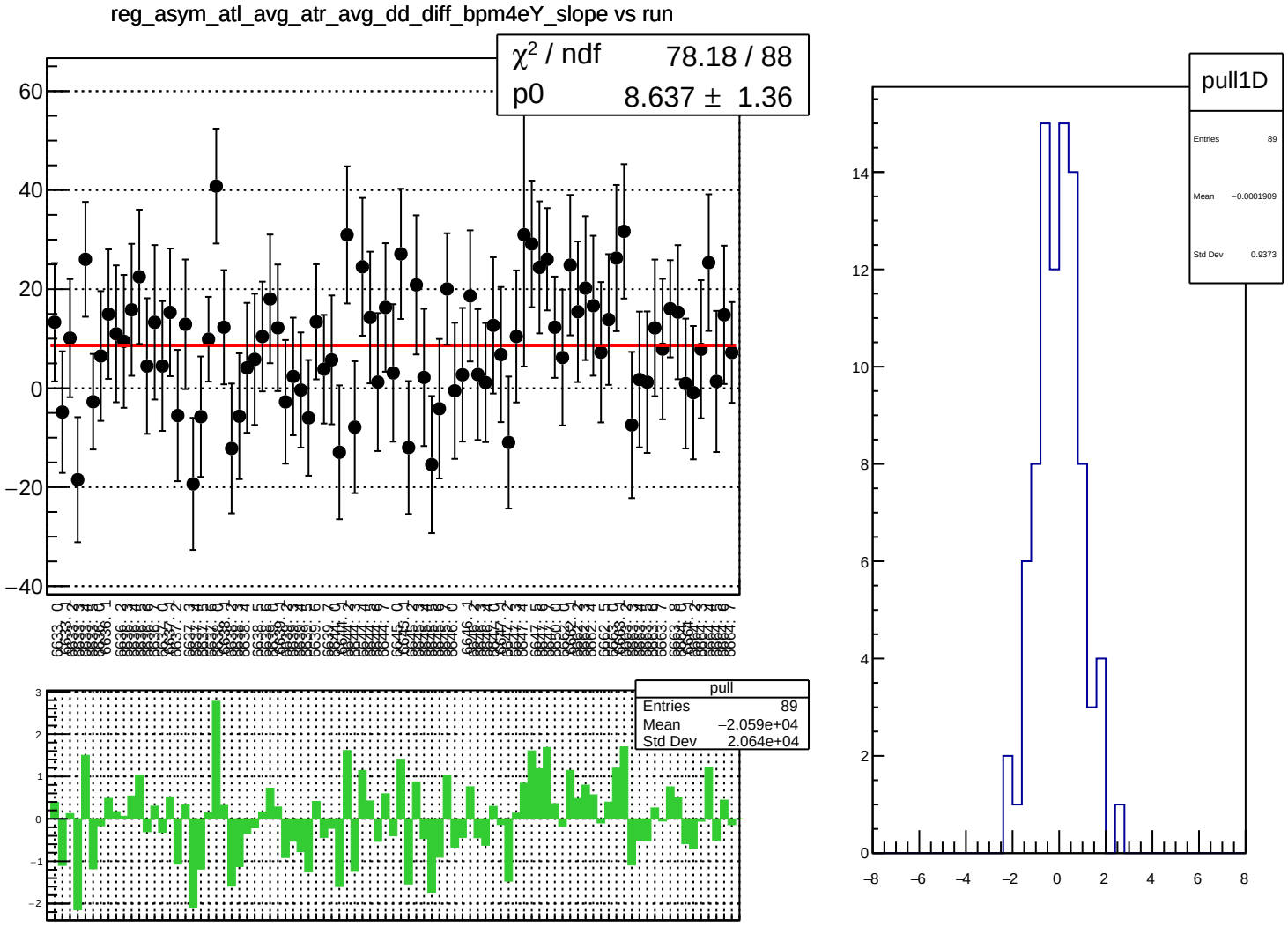

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 808.8 / 88
p0 −200.4 ± 0.2694
−185
−190
−195
−200
−205
−210
−215
pull
Entries 89
Mean −507.4
Std Dev 555
4
2
0
−2
−4
−6
pull1D
Entries 89
Mean 0.1229
Std Dev 3.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

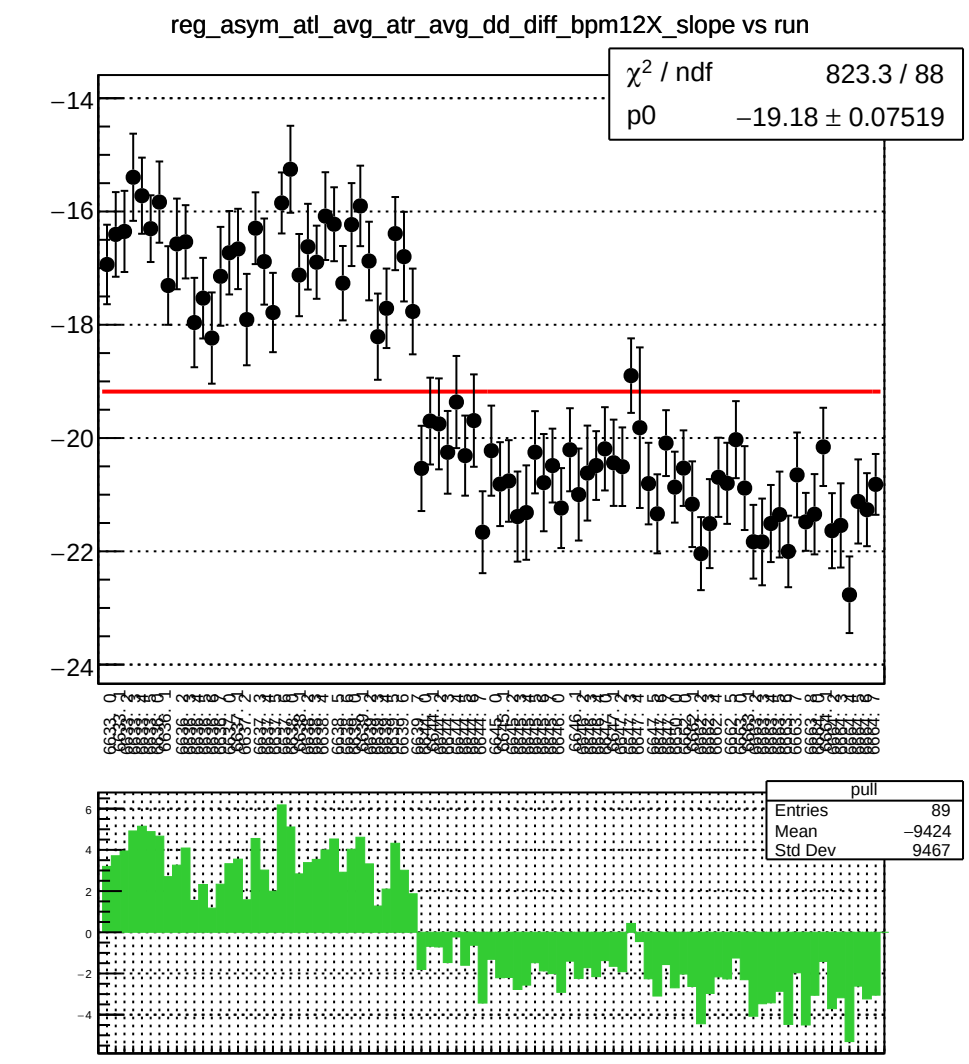

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 108.1 / 88
p0 −25.71± 1.607
pull
Entries 89
Mean 427.2
Std Dev 388.5
pull1D
Entries 89
Mean −0.007108
Std Dev 1.102

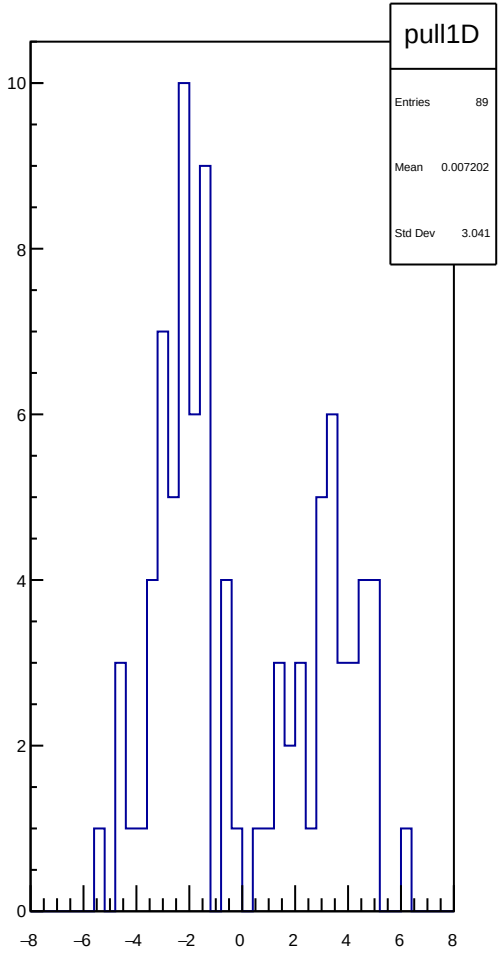

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.6 / 88
p0 0.3066 ± 1.15
pull
Entries 89
Mean 5232
Std Dev 5185
pull1D
Entries 89
Mean −0.0005064
Std Dev 0.9338

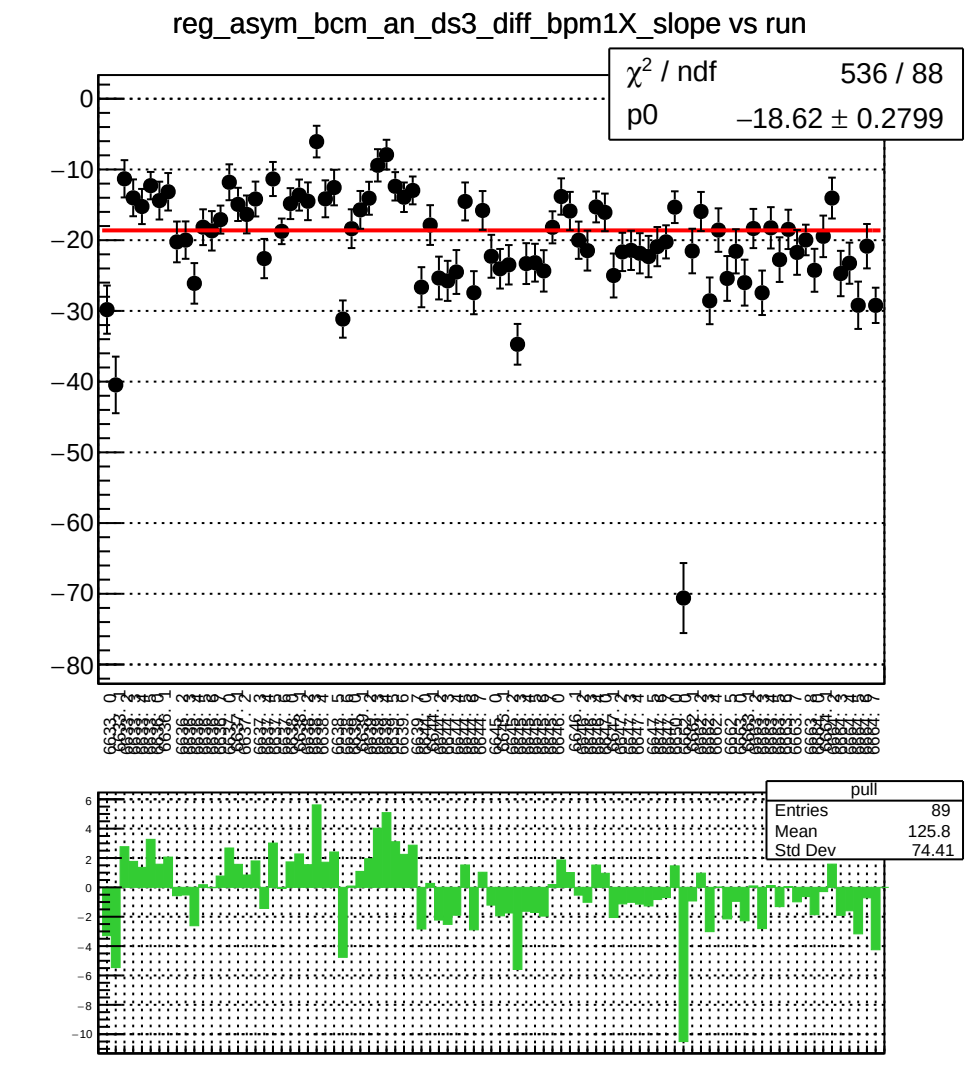

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 106.2 / 88
p0 11.96 ± 1.719
pull
Entries 89
Mean 796.4
Std Dev 756.5

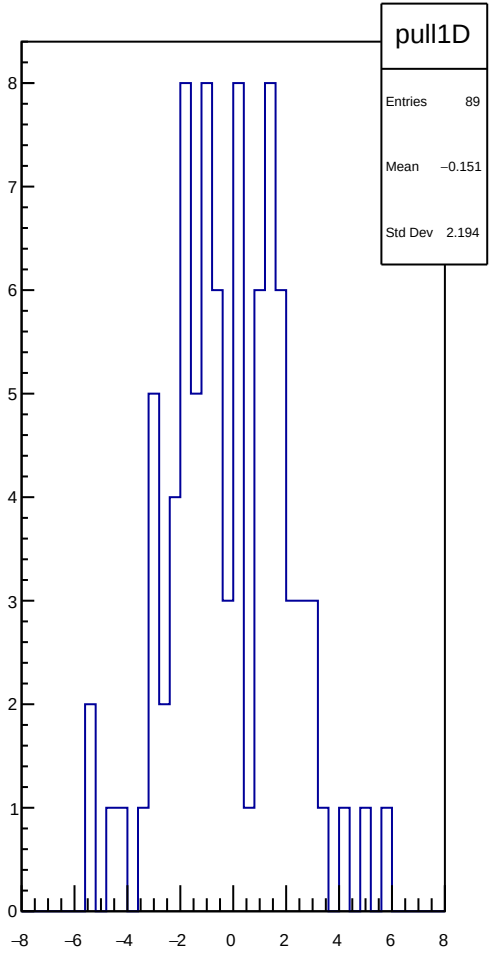

pull1D
Entries 89
Mean 0.005652
Std Dev 1.092

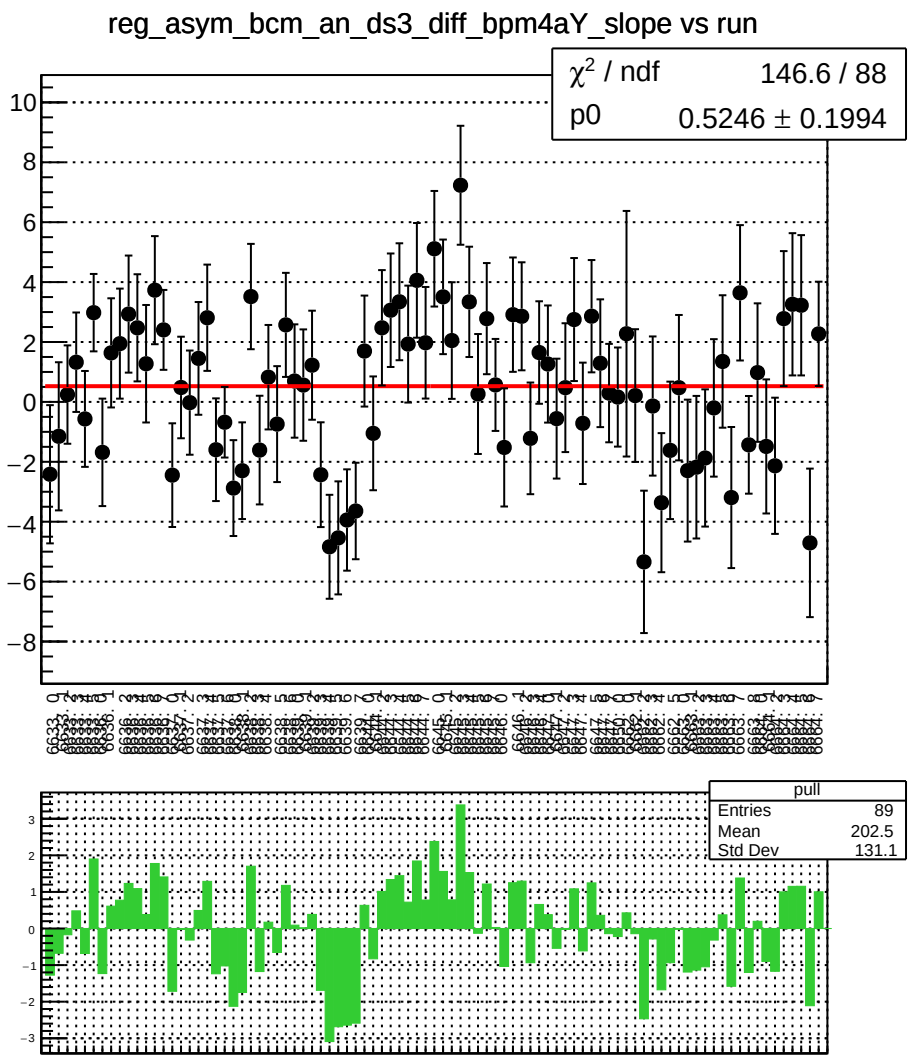

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.18 / 88
p0 8.637 ± 1.36
pull
Entries 89
Mean −2.059e+04
Std Dev 2.064e+04
pull1D
Entries 89
Mean −0.0001909
Std Dev 0.9373

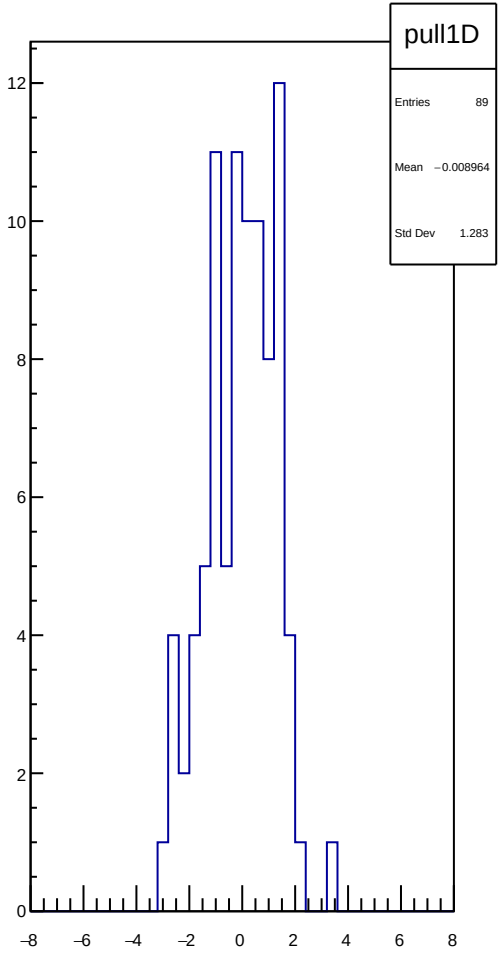

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 823.3 / 88
p0 −19.18 ± 0.07519
pull
Entries 89
Mean −9424
Std Dev 9467

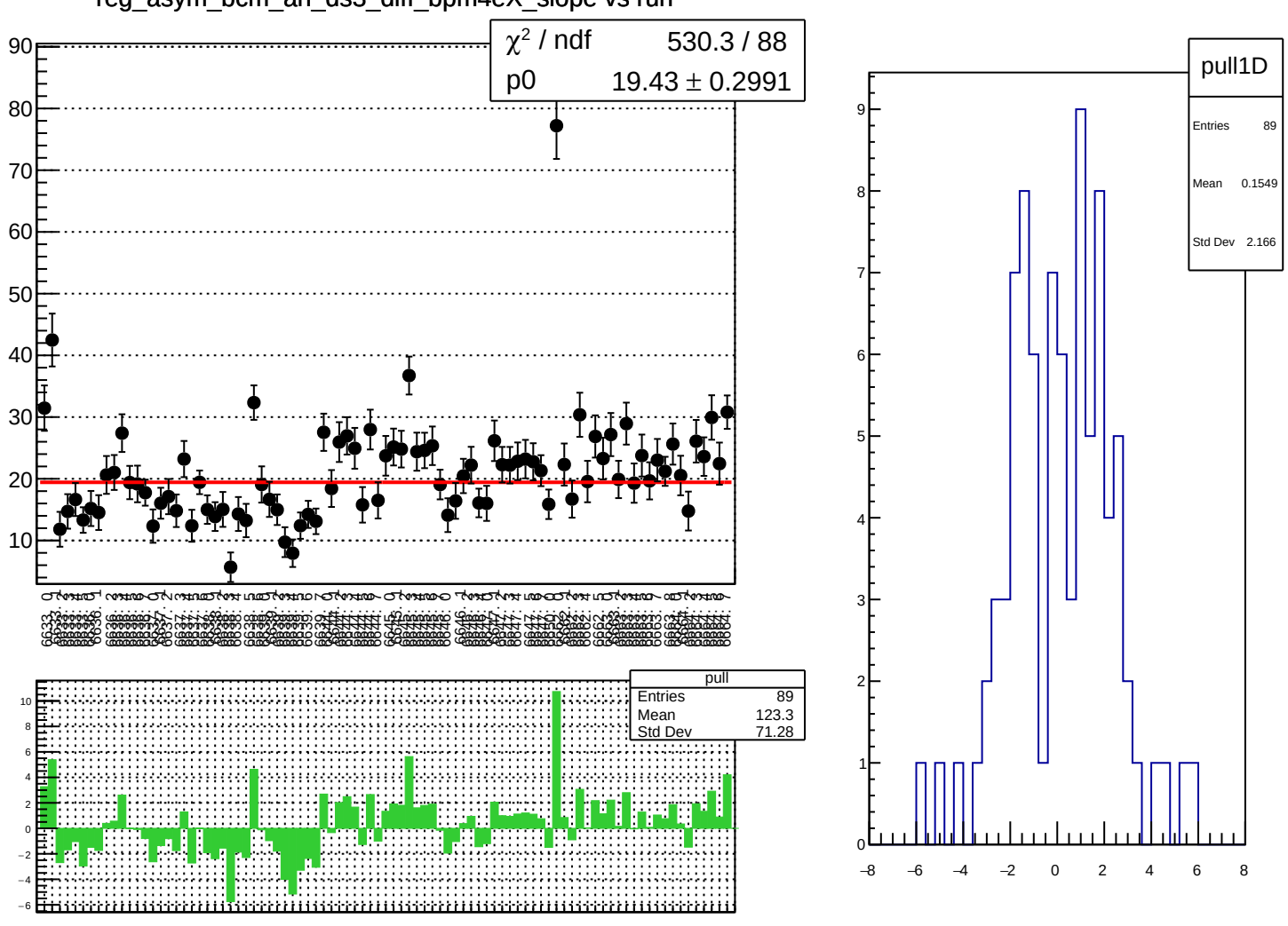

pull1D
Entries 89
Mean 0.007202
Std Dev 3.041

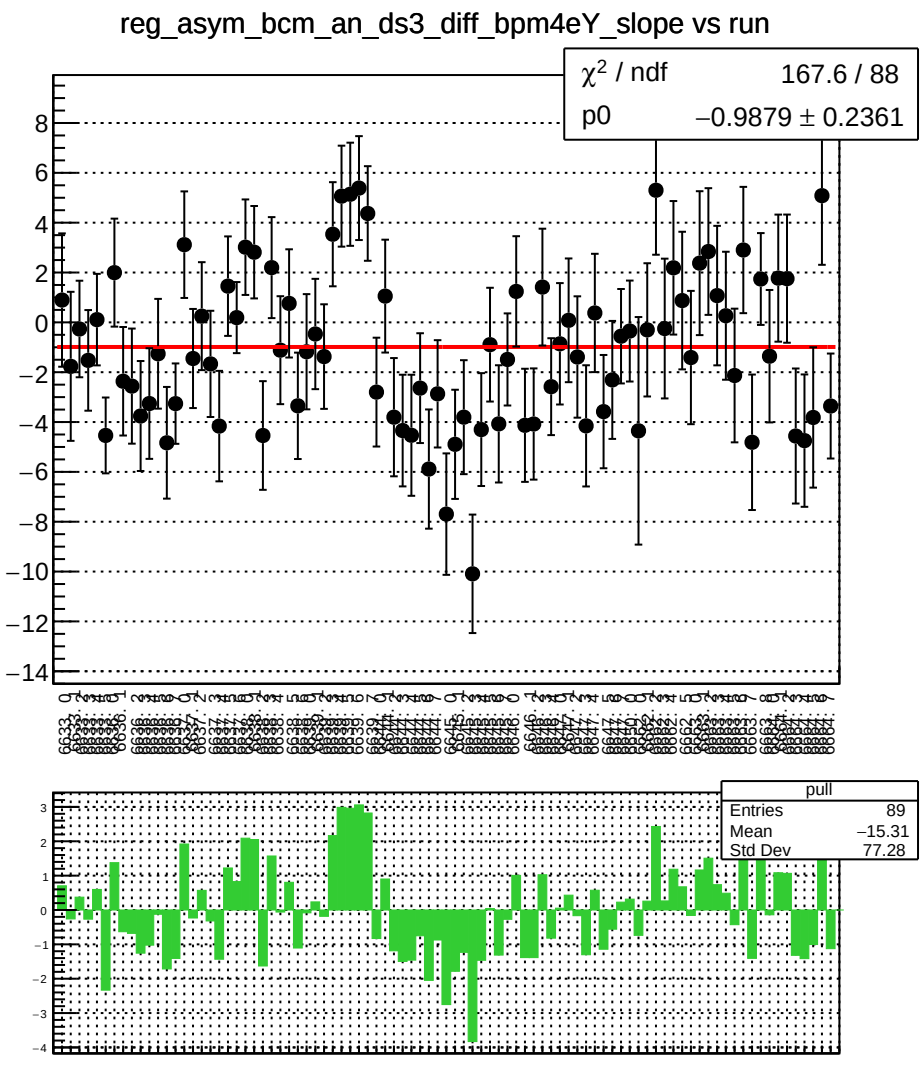

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 536 / 88
p0 −18.62 ± 0.2799
pull
Entries 89
Mean 125.8
Std Dev 74.41

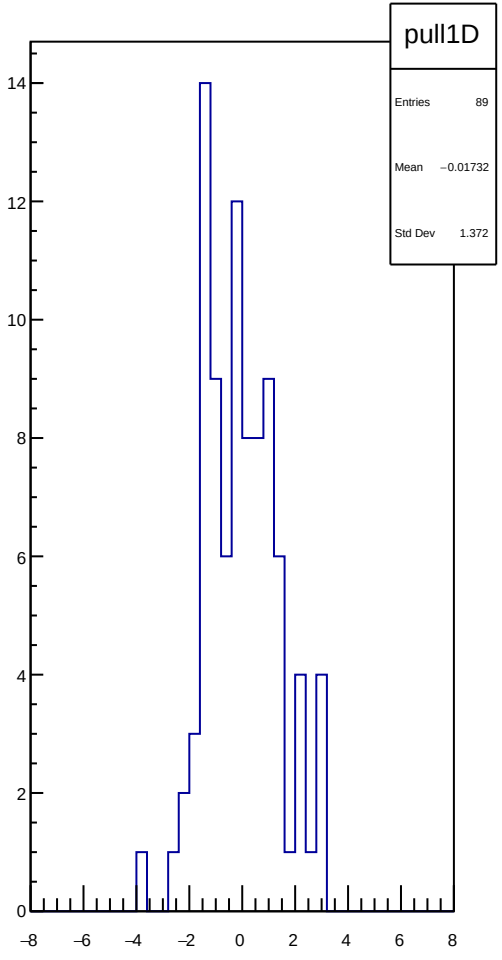

pull1D
Entries 89
Mean −0.151
Std Dev 2.194

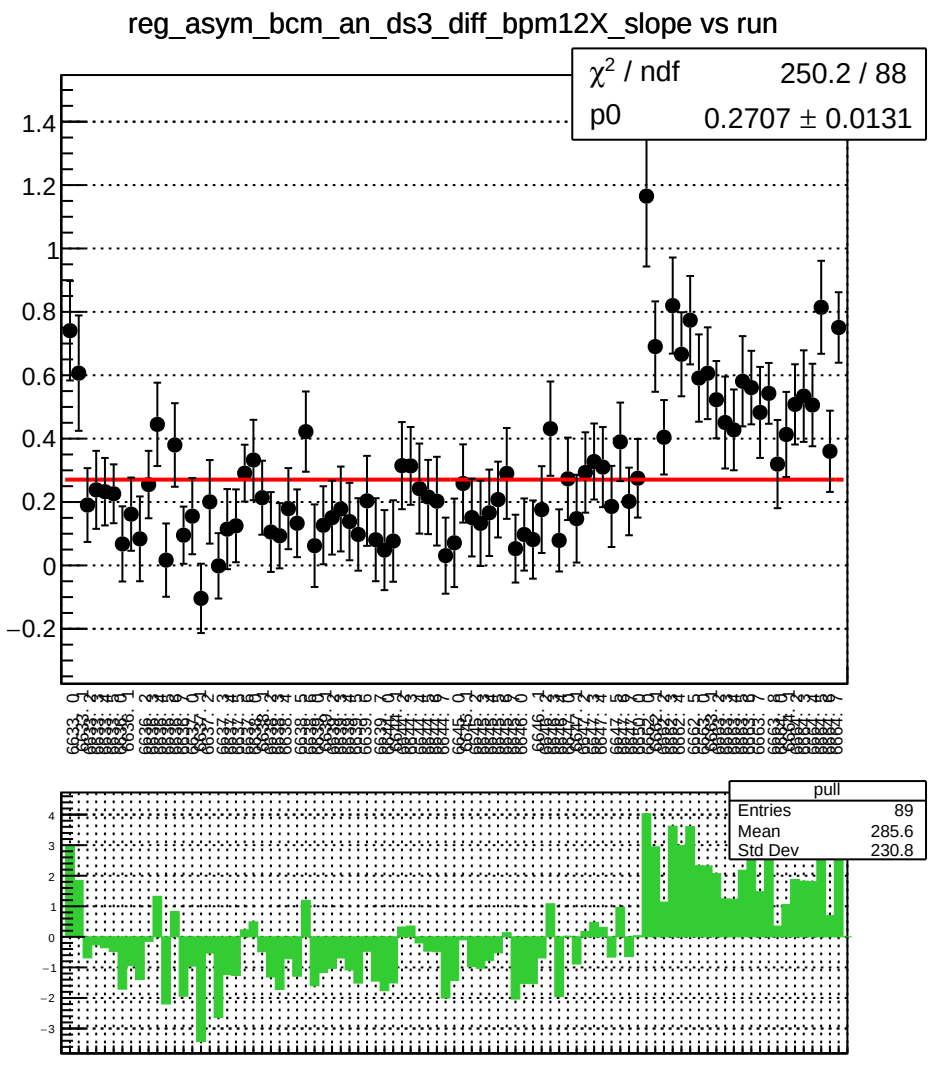

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 146.6 / 88
p0 0.5246 ± 0.1994
pull
Entries 89
Mean 202.5
Std Dev 131.1

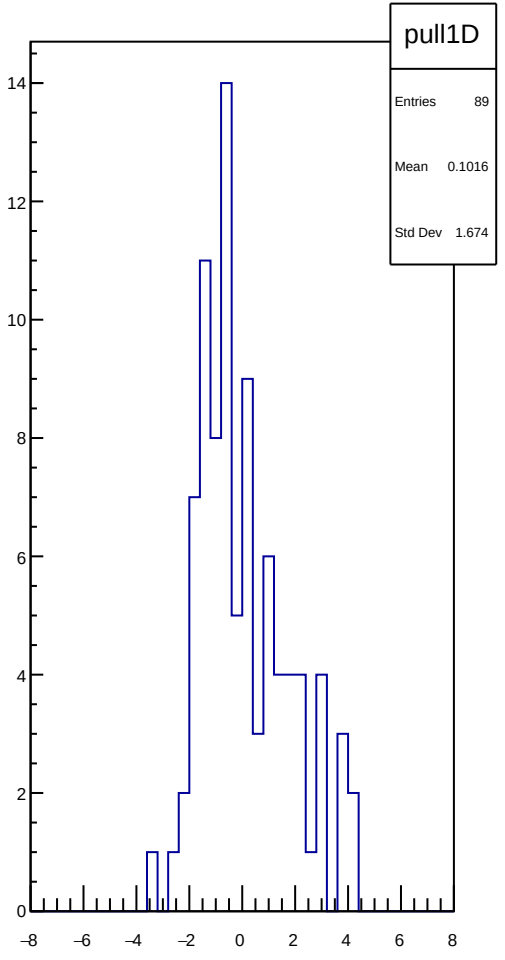

pull1D
Entries 89
Mean −0.008964
Std Dev 1.283

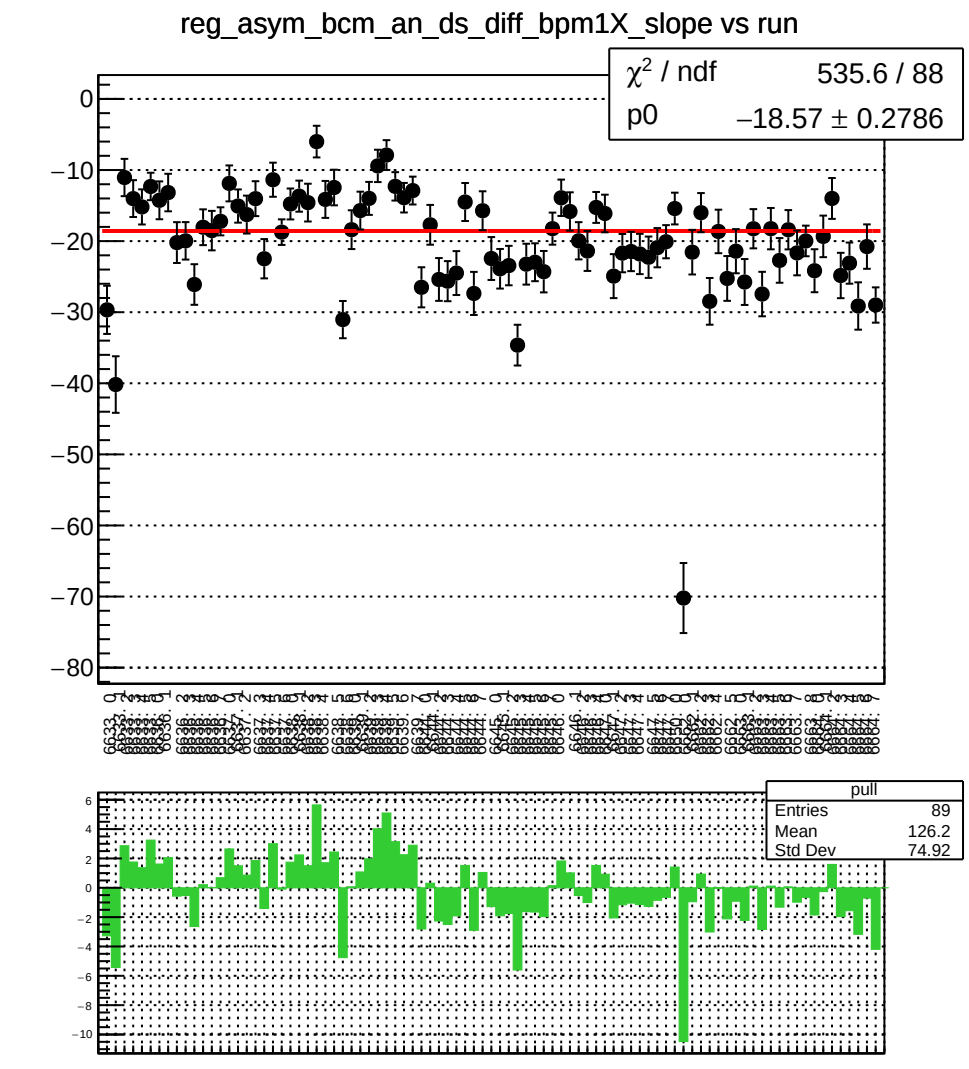

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 530.3 / 88
p0 19.43 ± 0.2991
pull
Entries 89
Mean 123.3
Std Dev 71.28
pull1D
Entries 89
Mean 0.1549
Std Dev 2.166

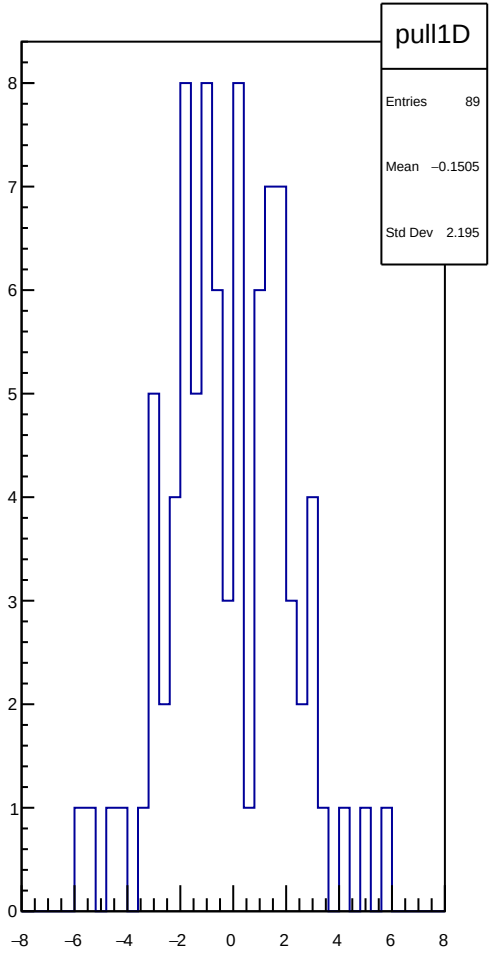

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 167.6 / 88
p0 −0.9879 ± 0.2361
pull
Entries 89
Mean −15.31
Std Dev 77.28

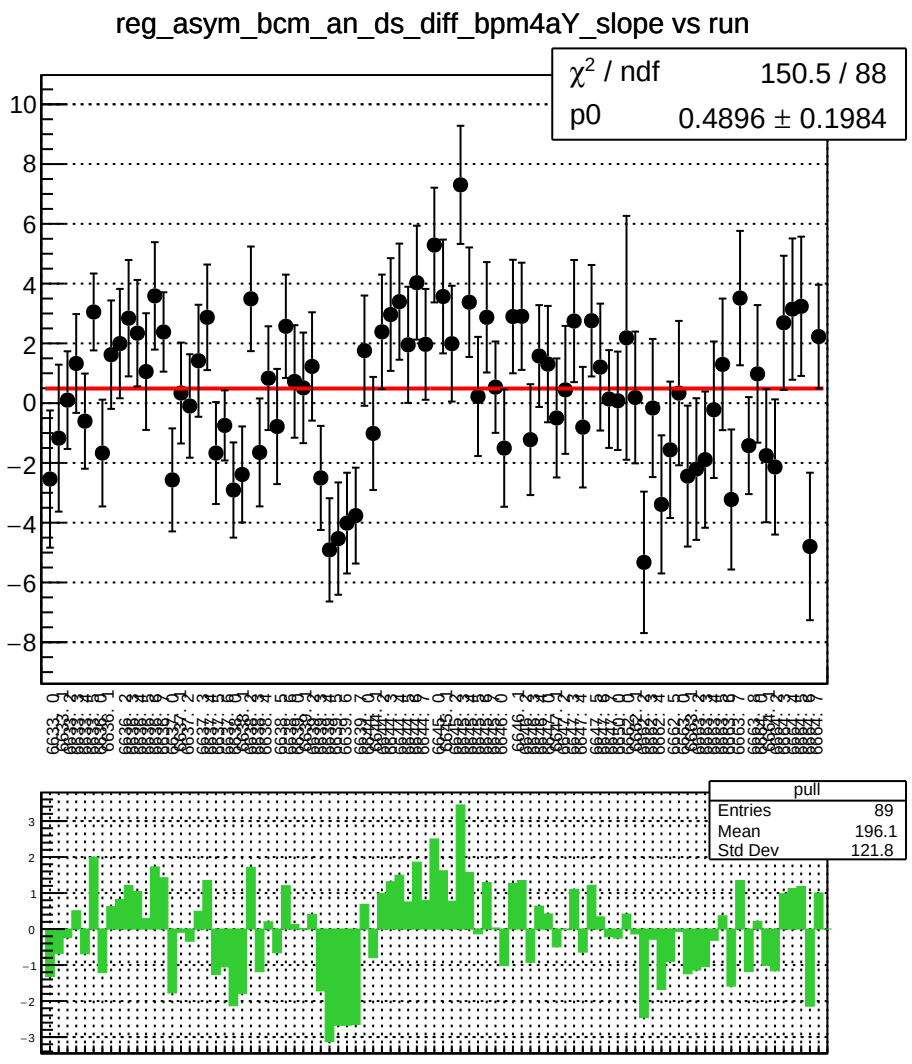

pull1D
Entries 89
Mean −0.01732
Std Dev 1.372

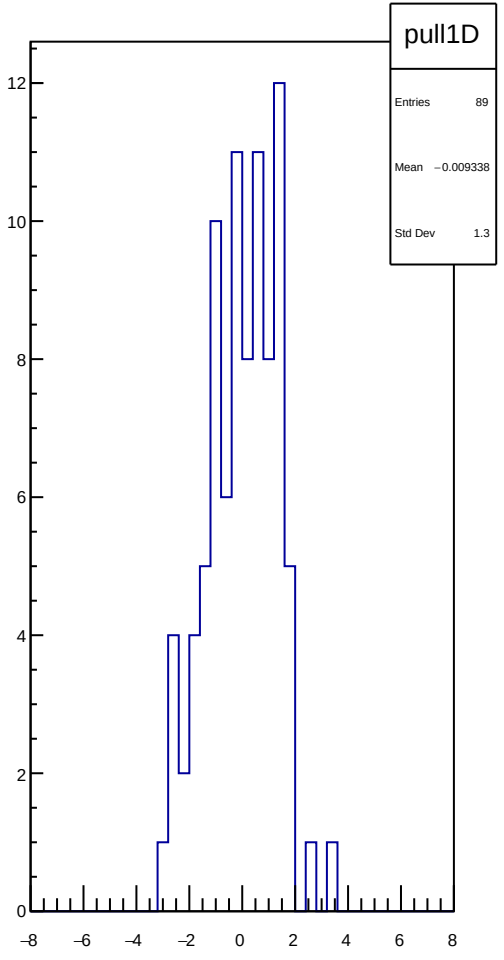

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 250.2 / 88
p0 0.2707 ± 0.0131
pull
Entries 89
Mean 285.6
Std Dev 230.8

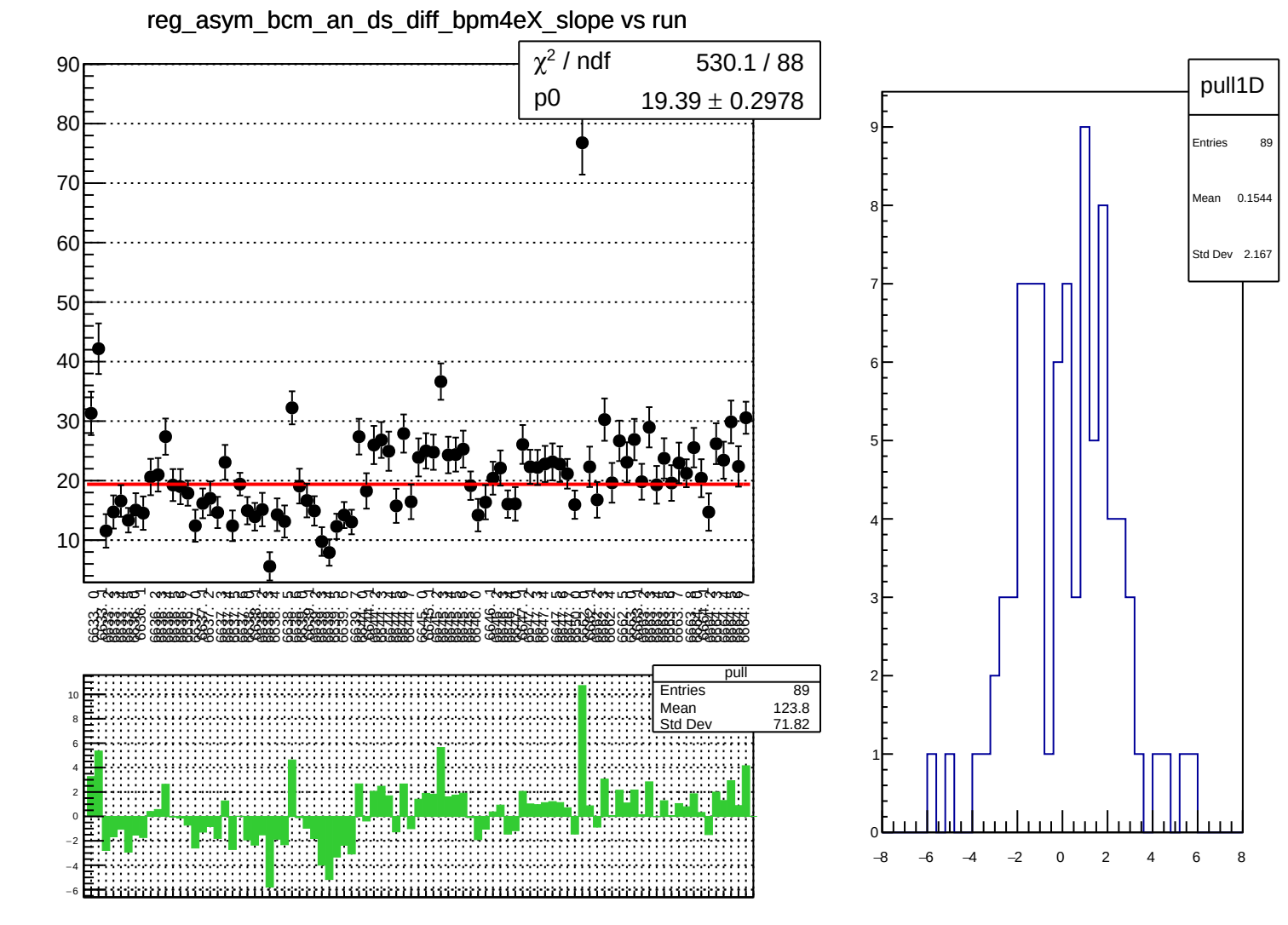

pull1D
Entries 89
Mean 0.1016
Std Dev 1.674

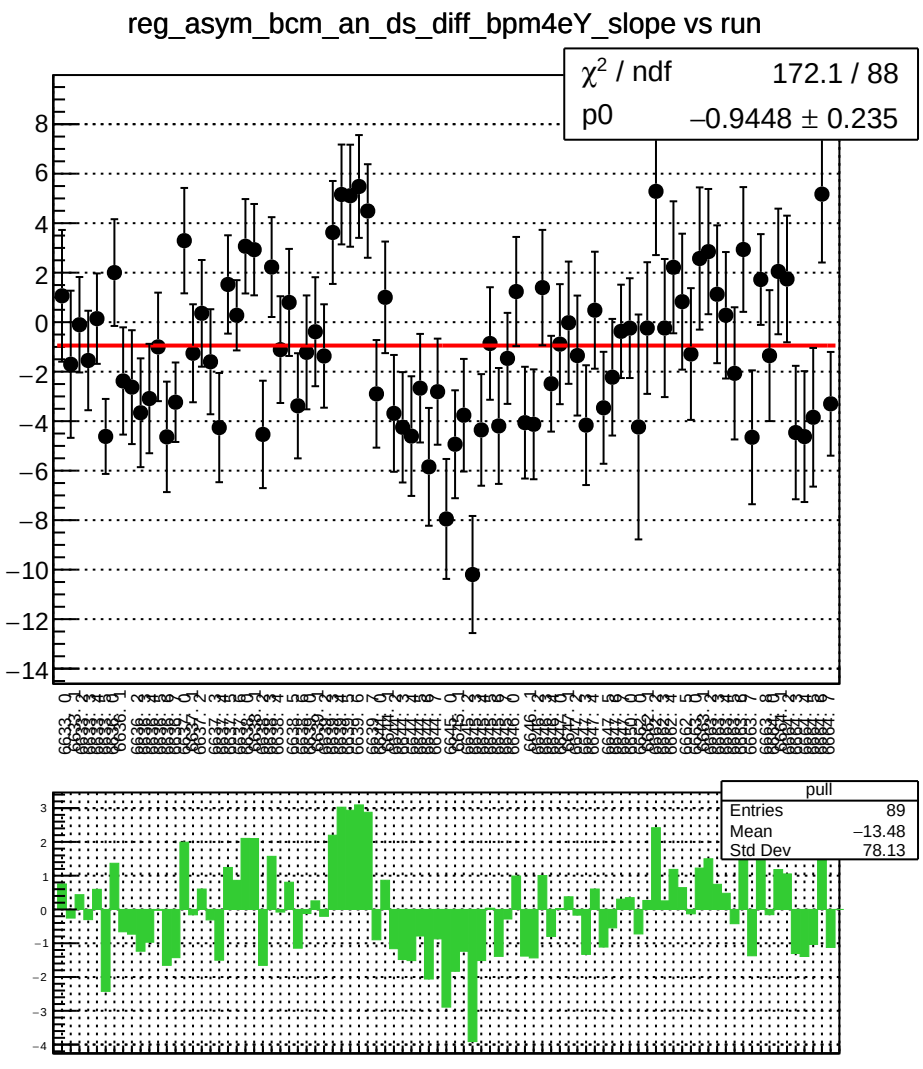

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 535.6 / 88
p0 −18.57 ± 0.2786
pull
Entries 89
Mean 126.2
Std Dev 74.92

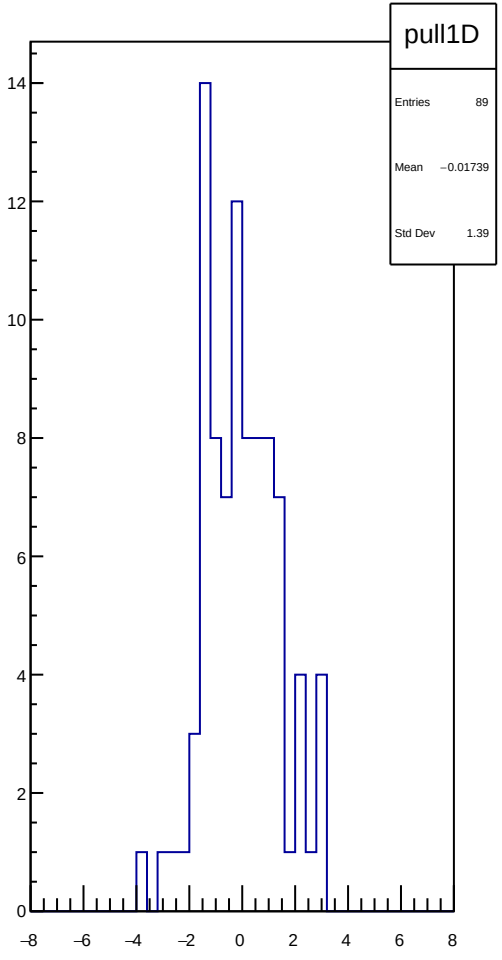

pull1D
Entries 89
Mean −0.1505
Std Dev 2.195

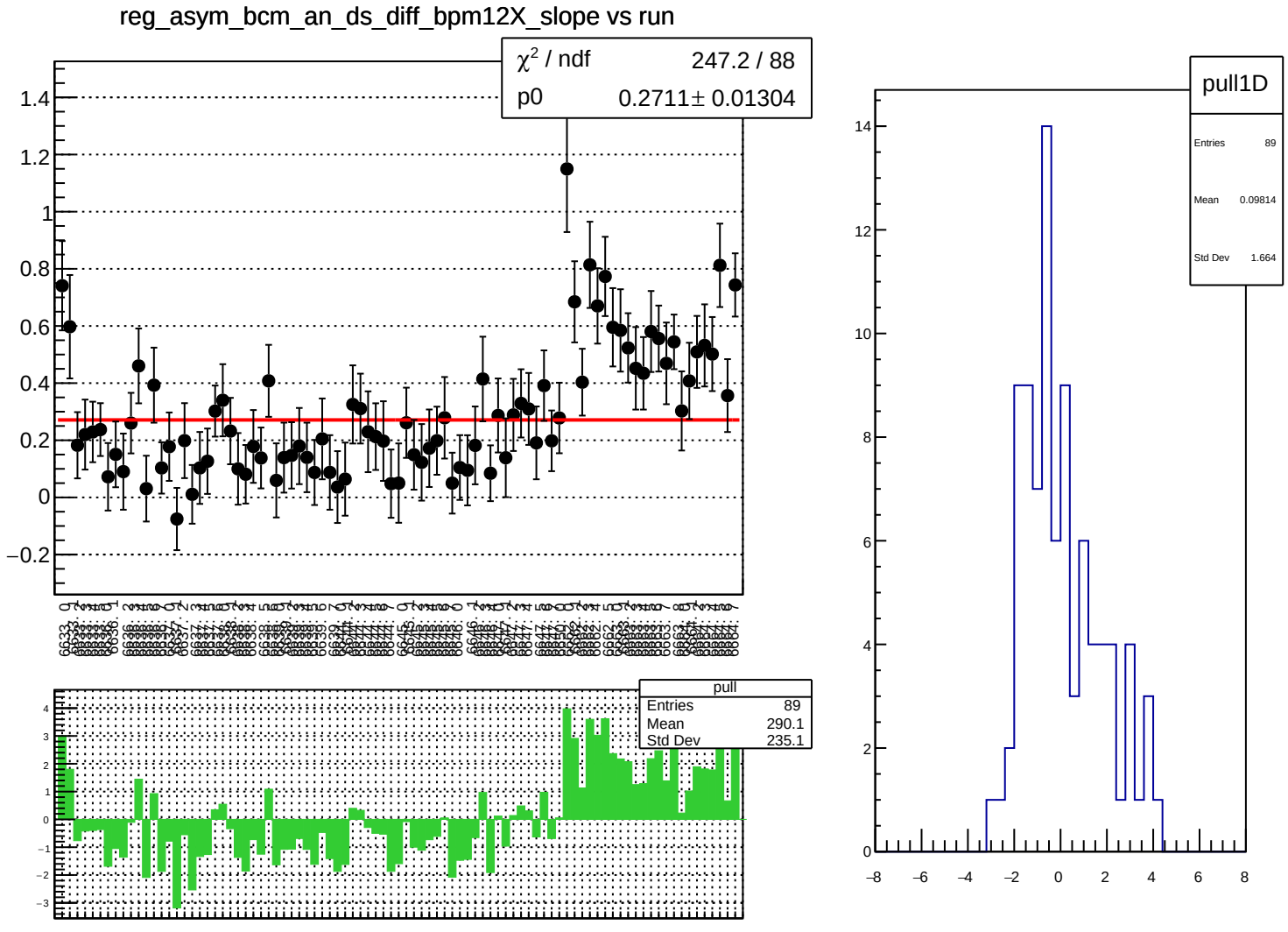

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 150.5 / 88
p0 0.4896 ± 0.1984
pull
Entries 89
Mean 196.1
Std Dev 121.8

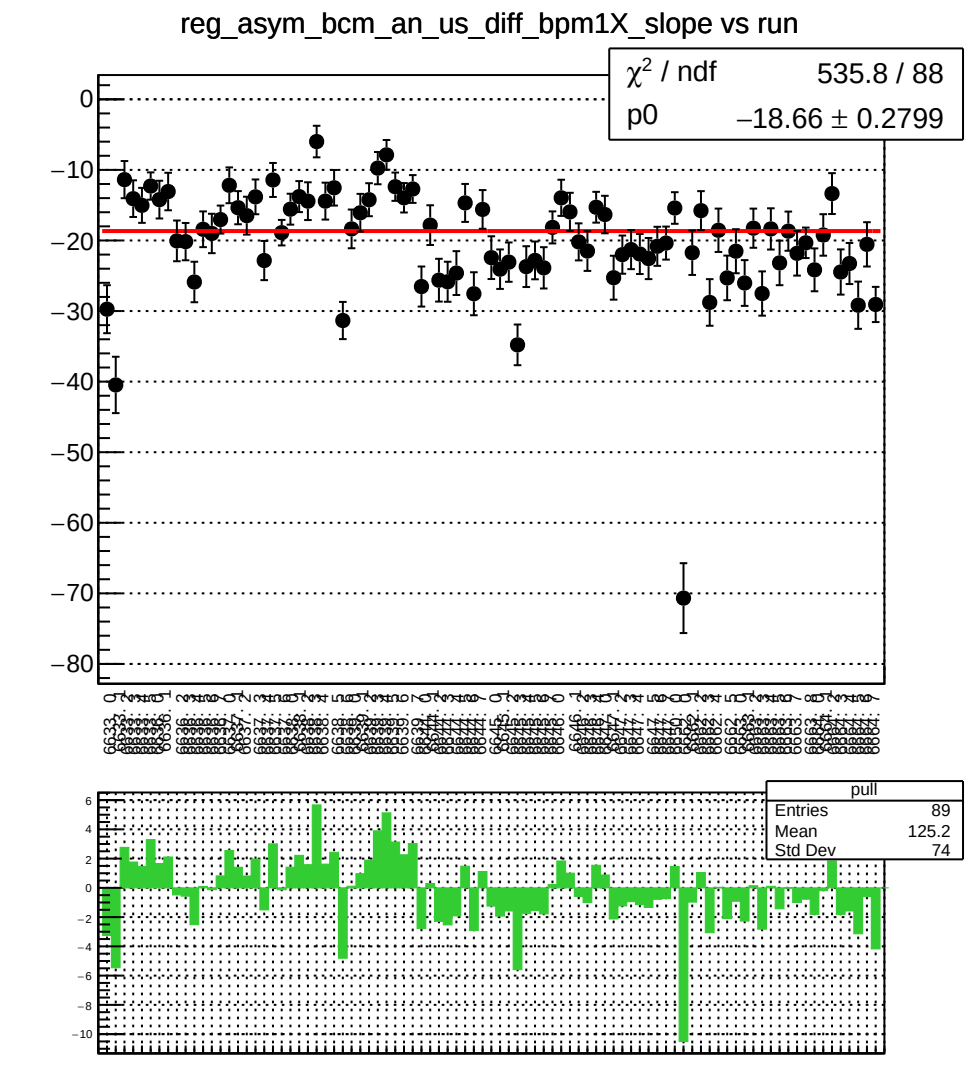

pull1D
Entries 89
Mean −0.009338
Std Dev 1.3

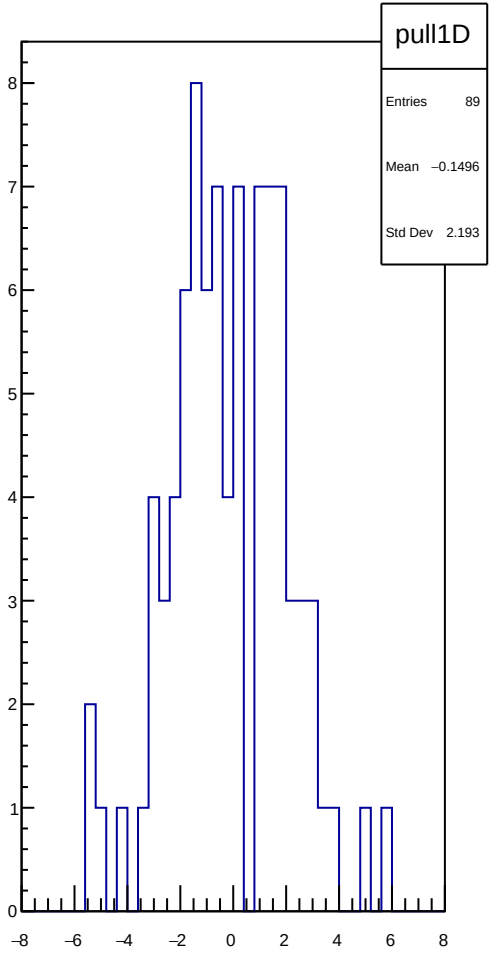

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 530.1 / 88
p0 19.39 ± 0.2978
pull
Entries 89
Mean 123.8
Std Dev 71.82
pull1D
Entries 89
Mean 0.1544
Std Dev 2.167

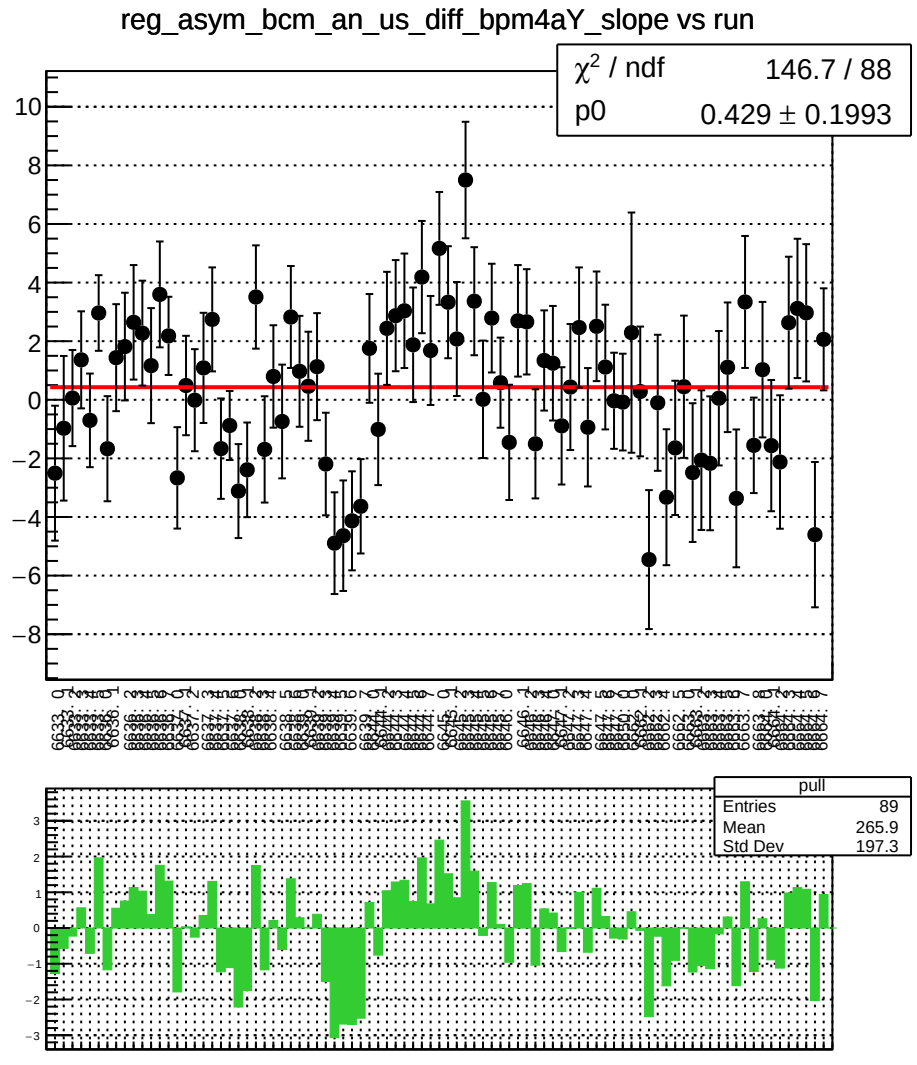

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 172.1 / 88
p0 −0.9448 ± 0.235
pull
Entries 89
Mean −13.48
Std Dev 78.13

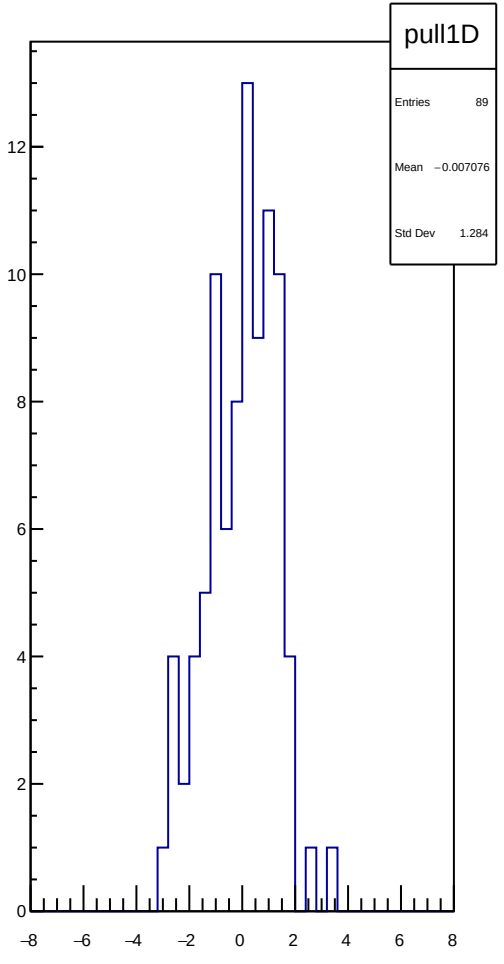

pull1D
Entries 89
Mean −0.01739
Std Dev 1.39

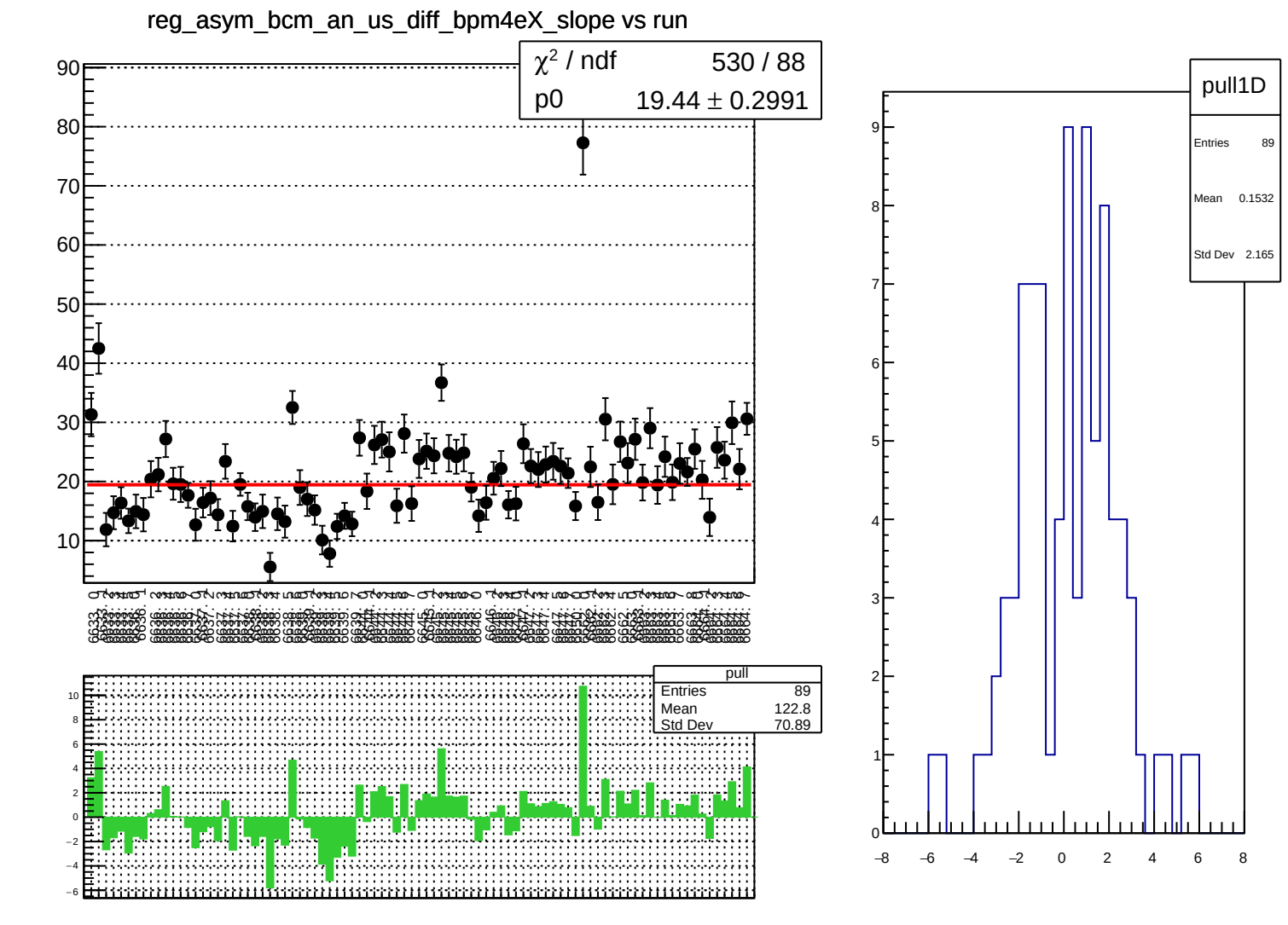

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 247.2 / 88
p0 0.2711± 0.01304
pull
Entries 89
Mean 290.1
Std Dev 235.1
pull1D
Entries 89
Mean 0.09814
Std Dev 1.664

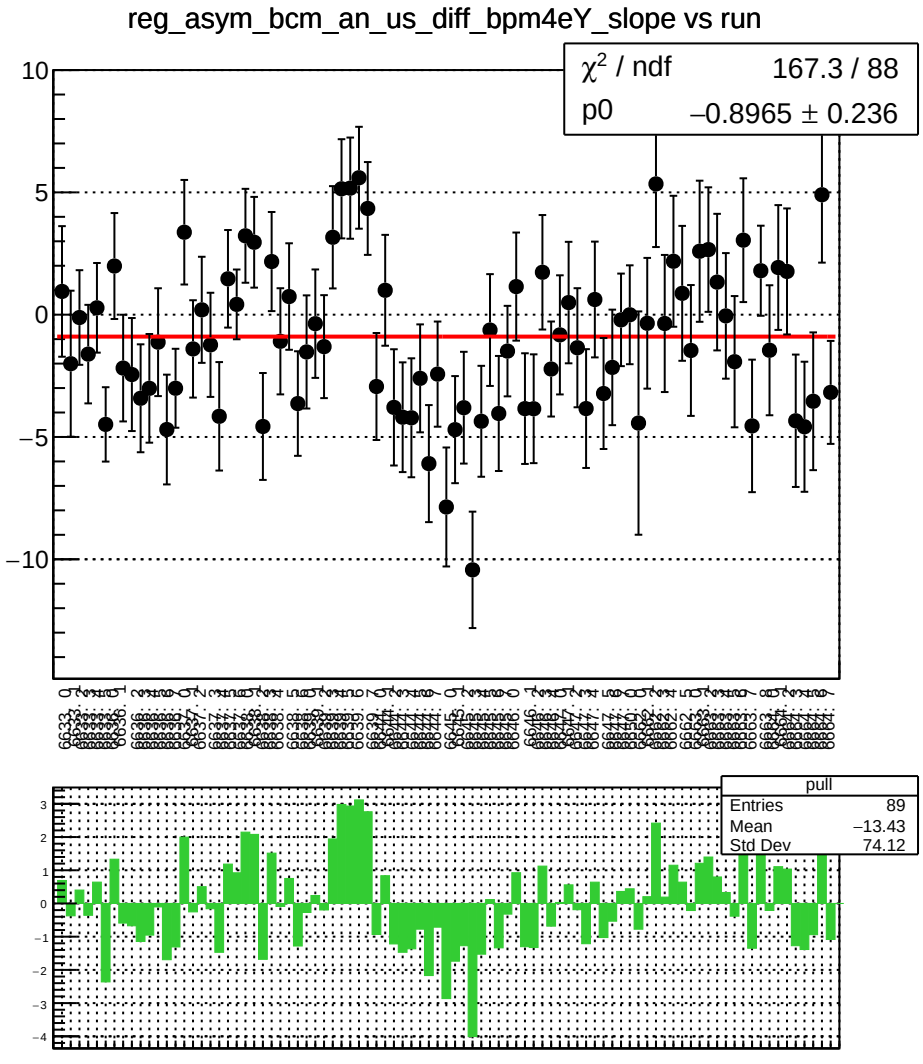

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 535.8 / 88
p0 −18.66 ± 0.2799
pull
Entries 89
Mean 125.2
Std Dev 74

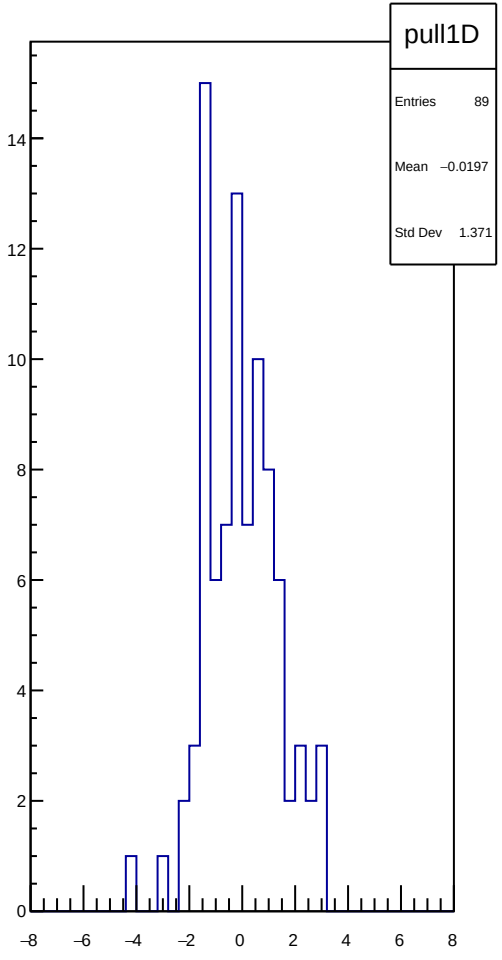

pull1D
Entries 89
Mean −0.1496
Std Dev 2.193

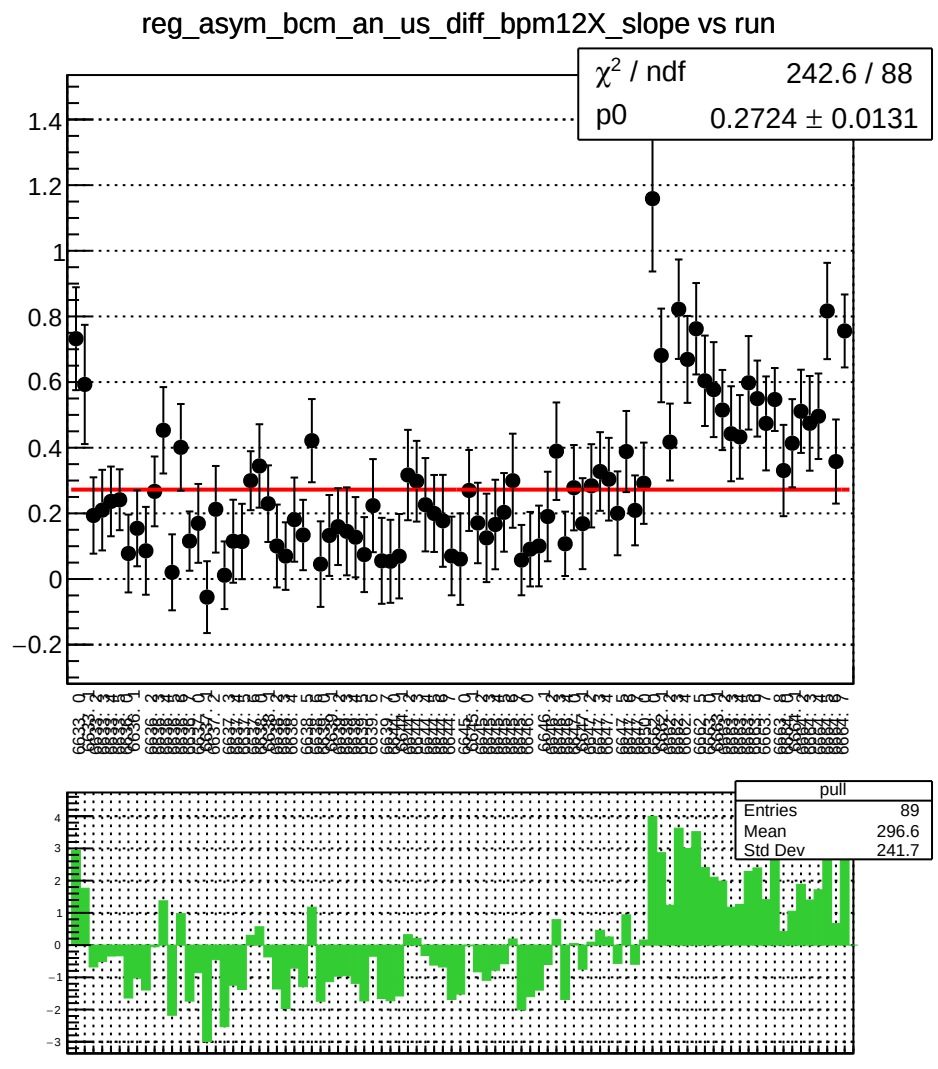

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 146.7 / 88
p0 0.429 ± 0.1993
pull
Entries 89
Mean 265.9
Std Dev 197.3

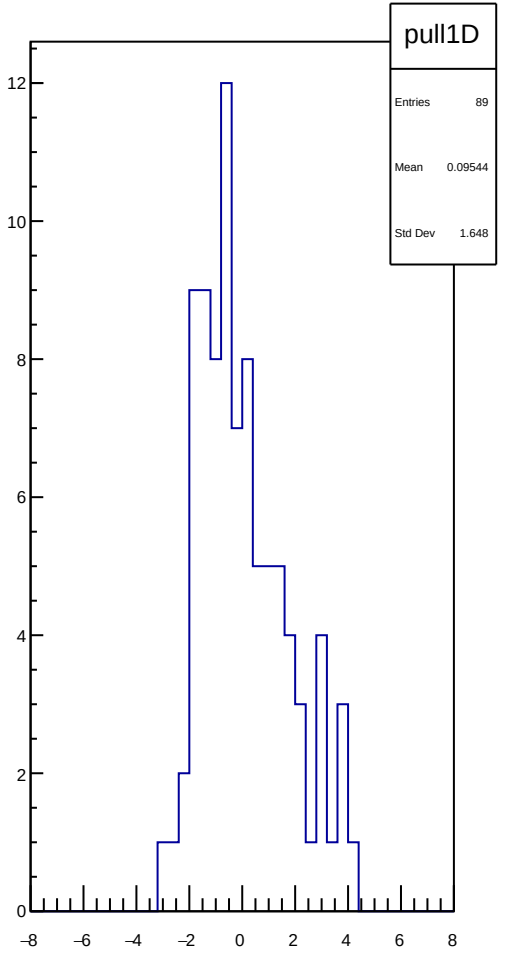

pull1D
Entries 89
Mean −0.007076
Std Dev 1.284

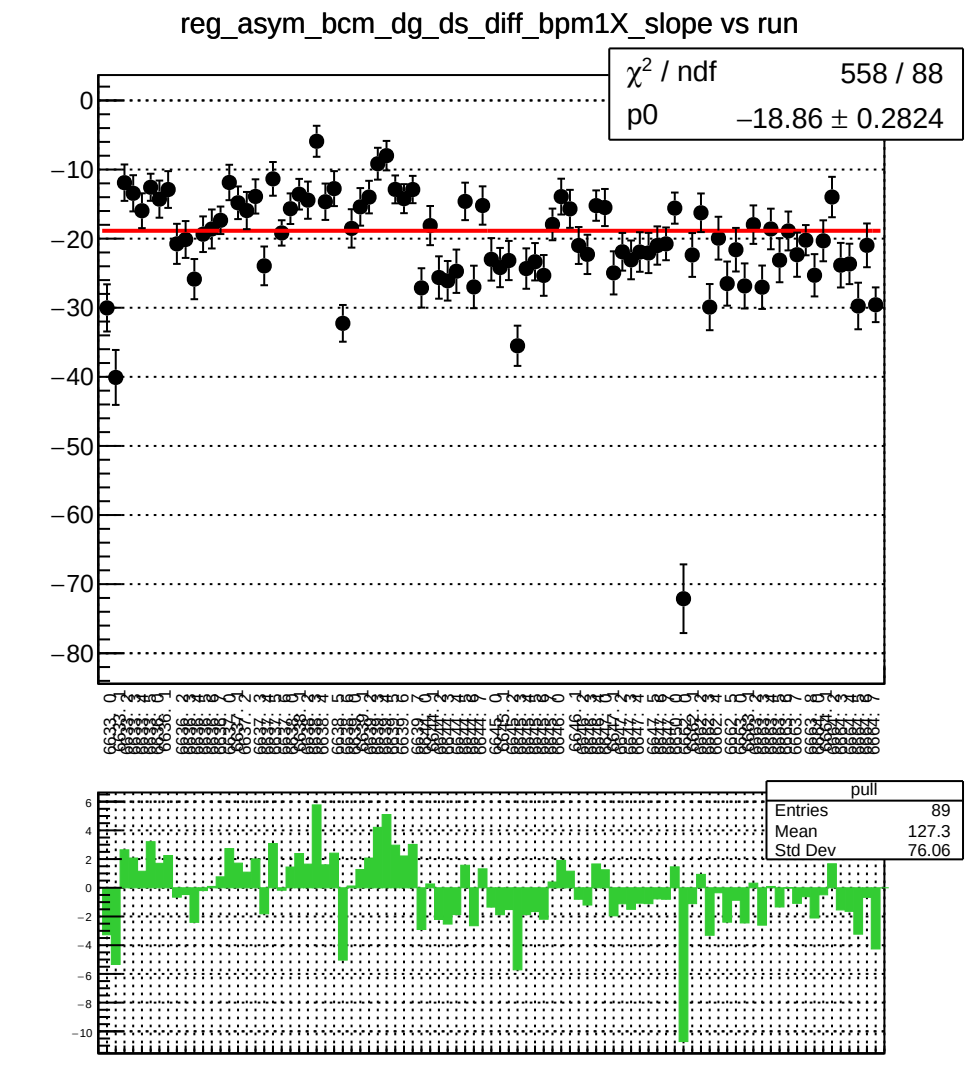

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 530 / 88
p0 19.44 ± 0.2991
pull
Entries 89
Mean 122.8
Std Dev 70.89
pull1D
Entries 89
Mean 0.1532
Std Dev 2.165

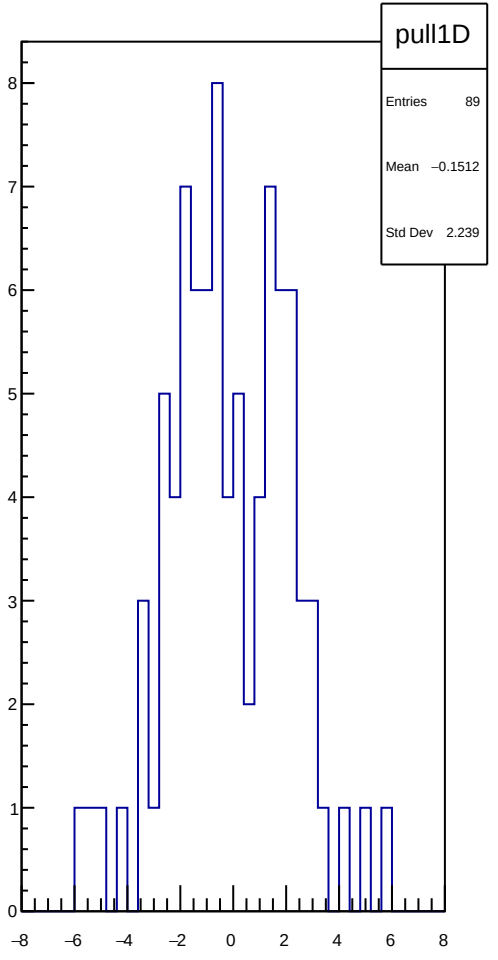

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 167.3 / 88
p0 −0.8965 ± 0.236
pull
Entries 89
Mean −13.43
Std Dev 74.12

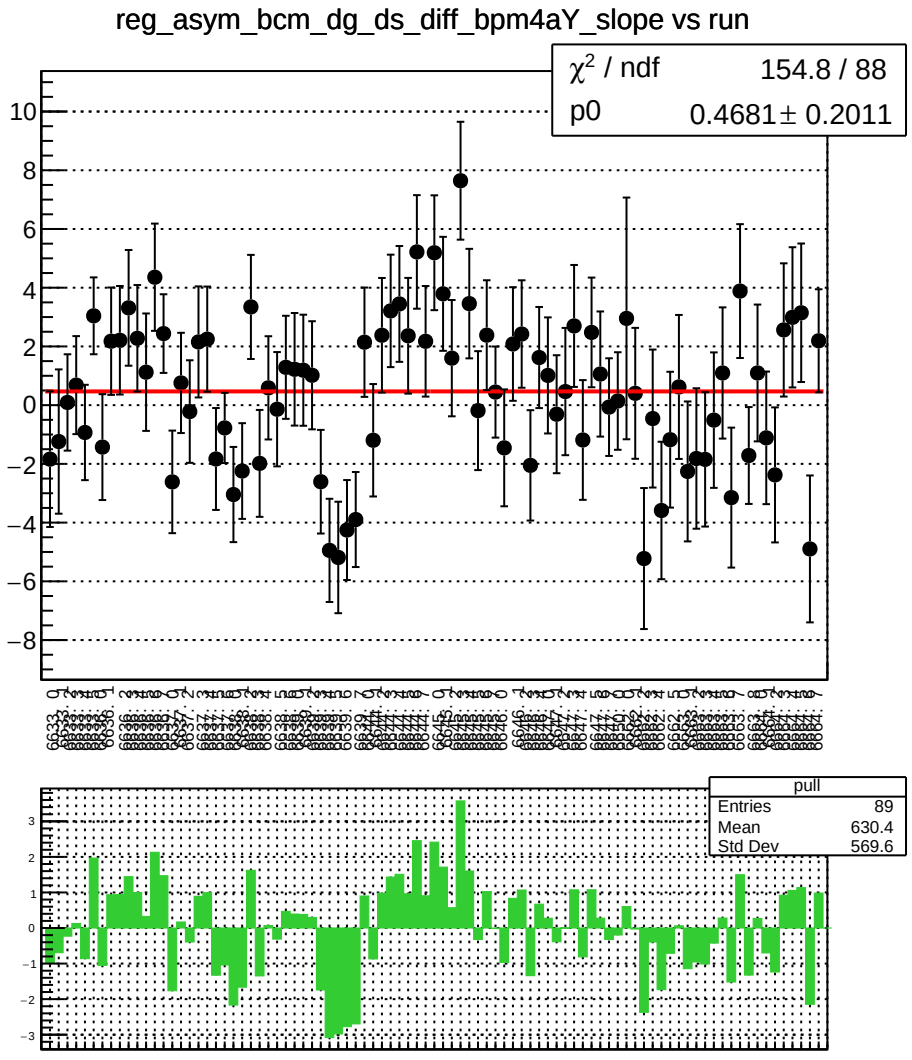

pull1D
Entries 89
Mean −0.0197
Std Dev 1.371

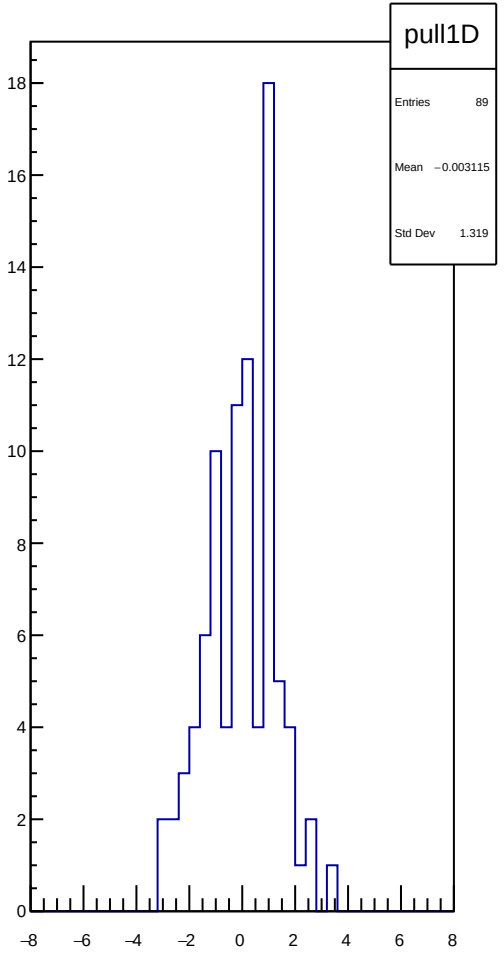

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 242.6 / 88
p0 0.2724 ± 0.0131
pull
Entries 89
Mean 296.6
Std Dev 241.7

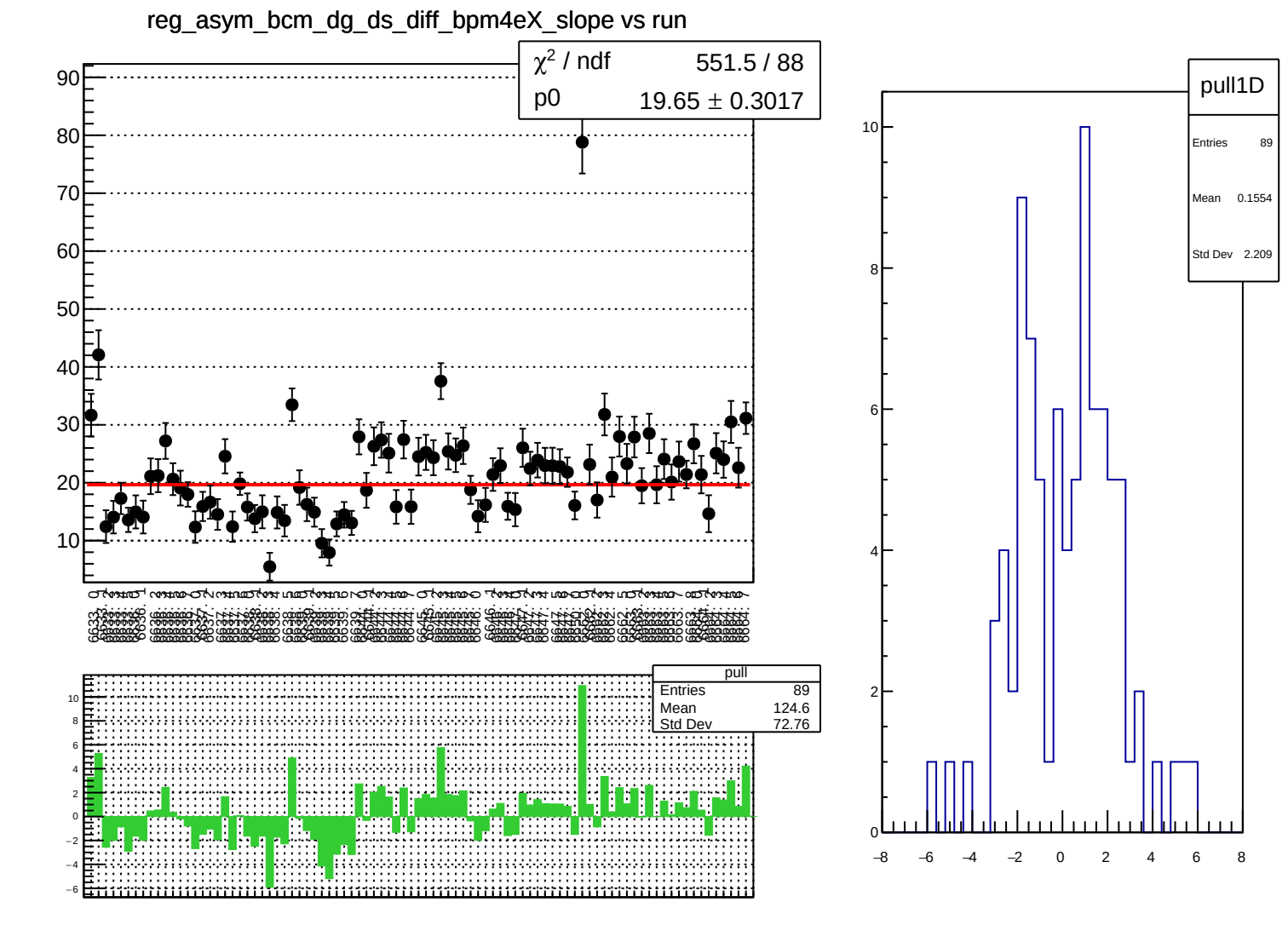

pull1D
Entries 89
Mean 0.09544
Std Dev 1.648

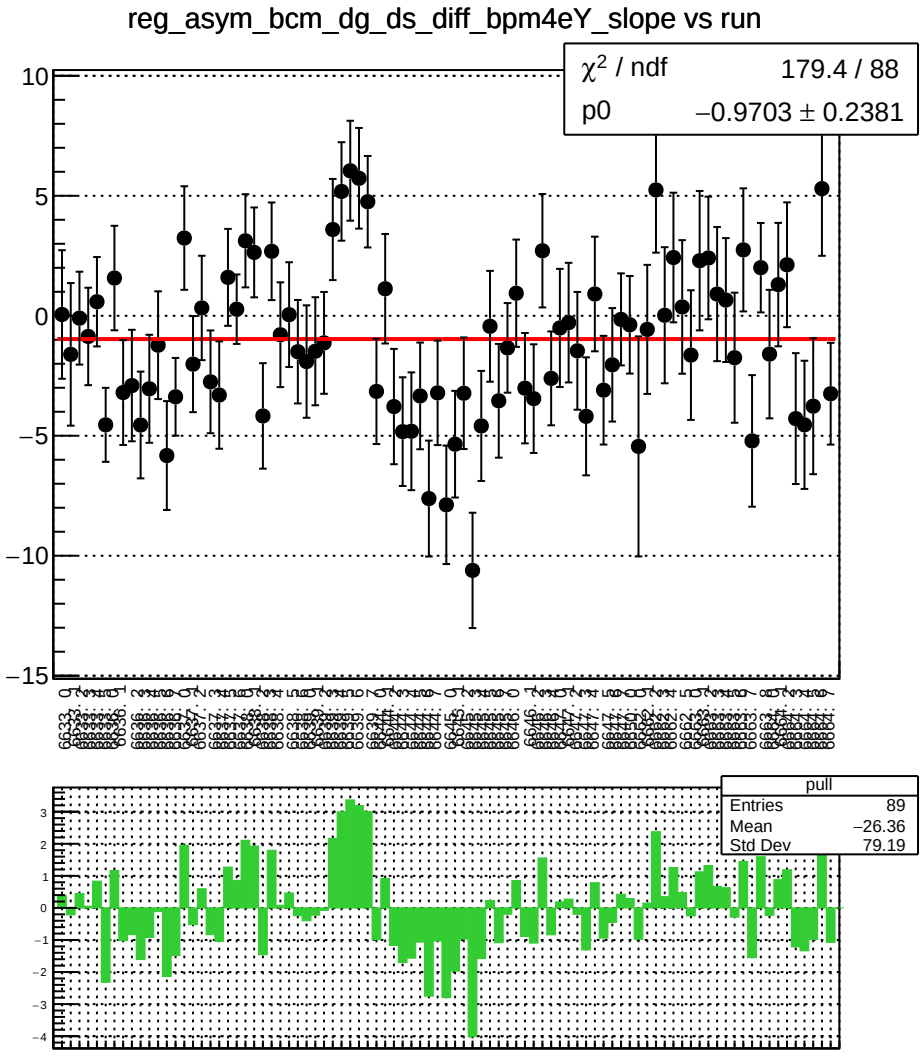

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 558 / 88
p0 −18.86 ± 0.2824
pull
Entries 89
Mean 127.3
Std Dev 76.06

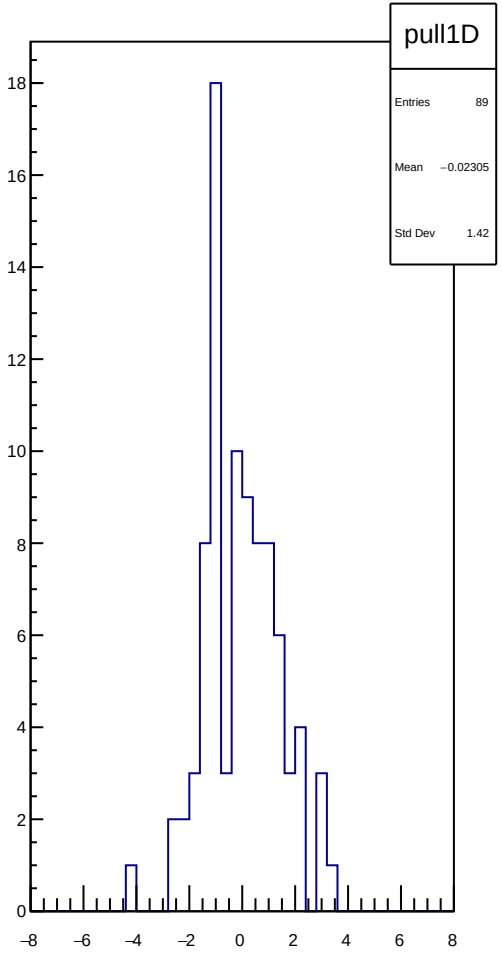

pull1D
Entries 89
Mean −0.1512
Std Dev 2.239

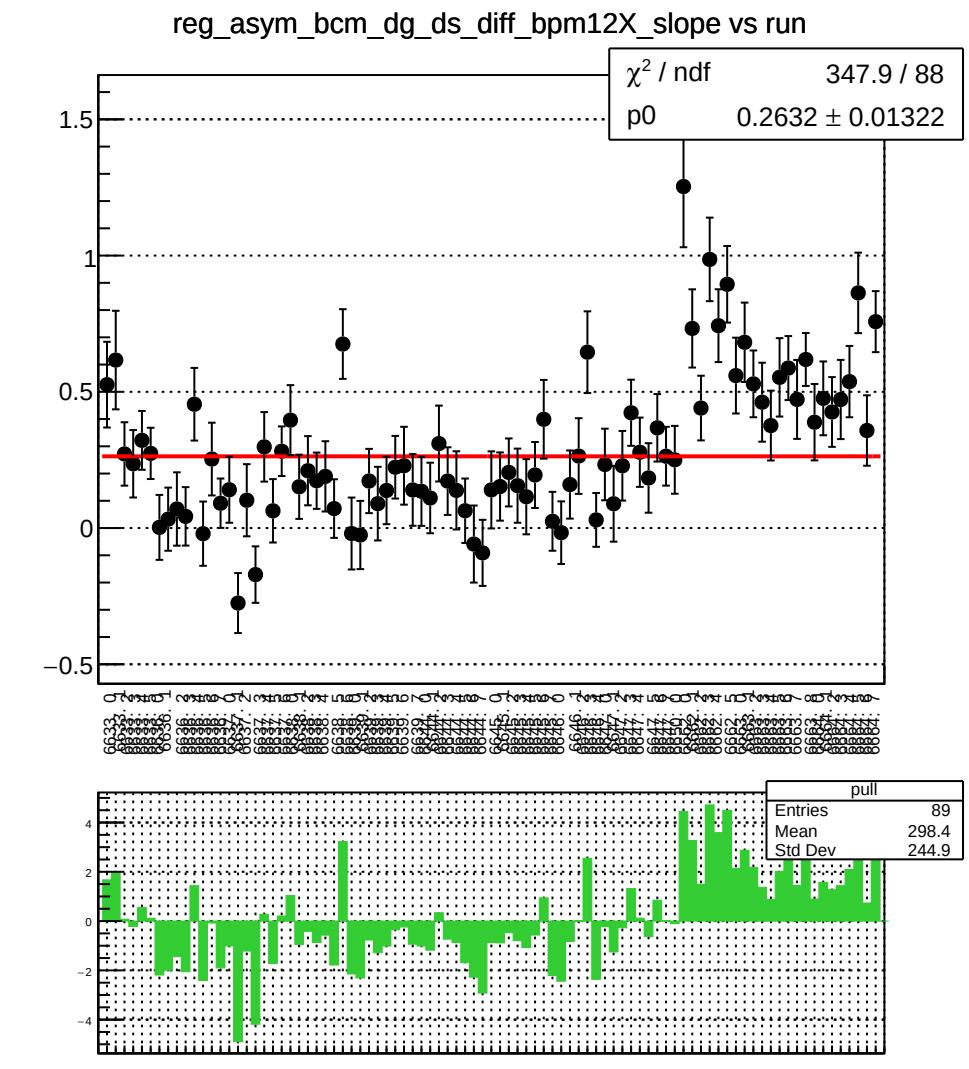

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 154.8 / 88
p0 0.4681 ± 0.2011
pull
Entries 89
Mean 630.4
Std Dev 569.6

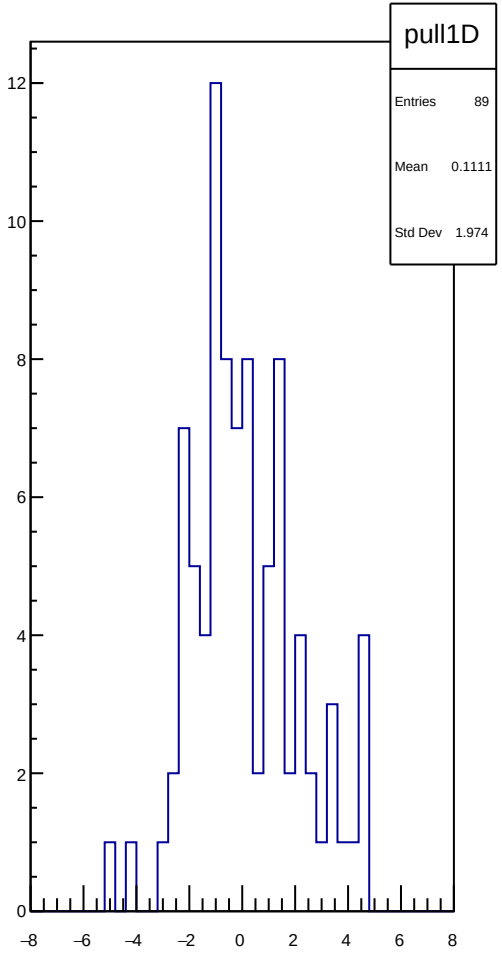

pull1D
Entries 89
Mean −0.003115
Std Dev 1.319

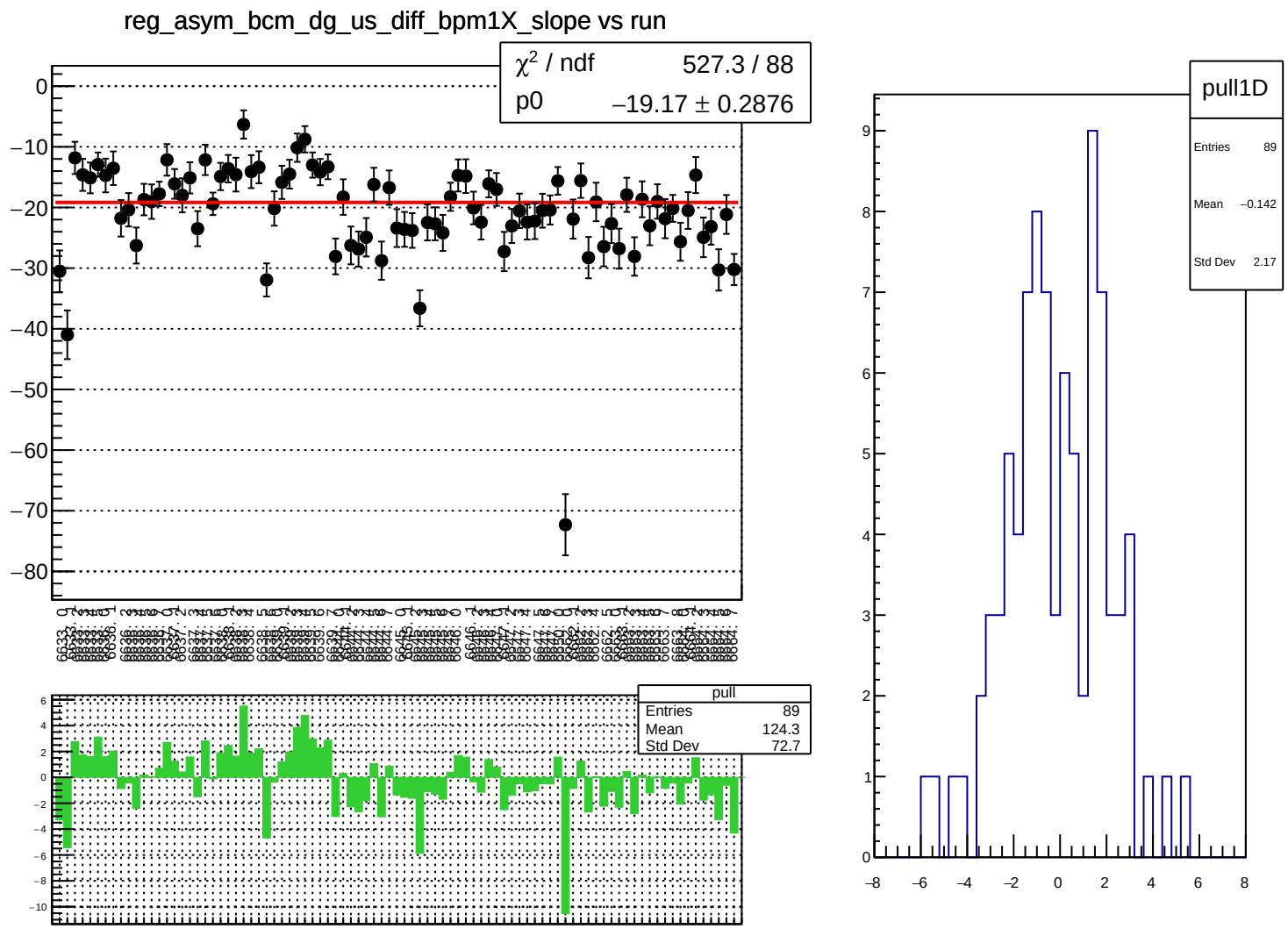

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 551.5 / 88
p0 19.65 ± 0.3017
pull
Entries 89
Mean 124.6
Std Dev 72.76
pull1D
Entries 89
Mean 0.1554
Std Dev 2.209

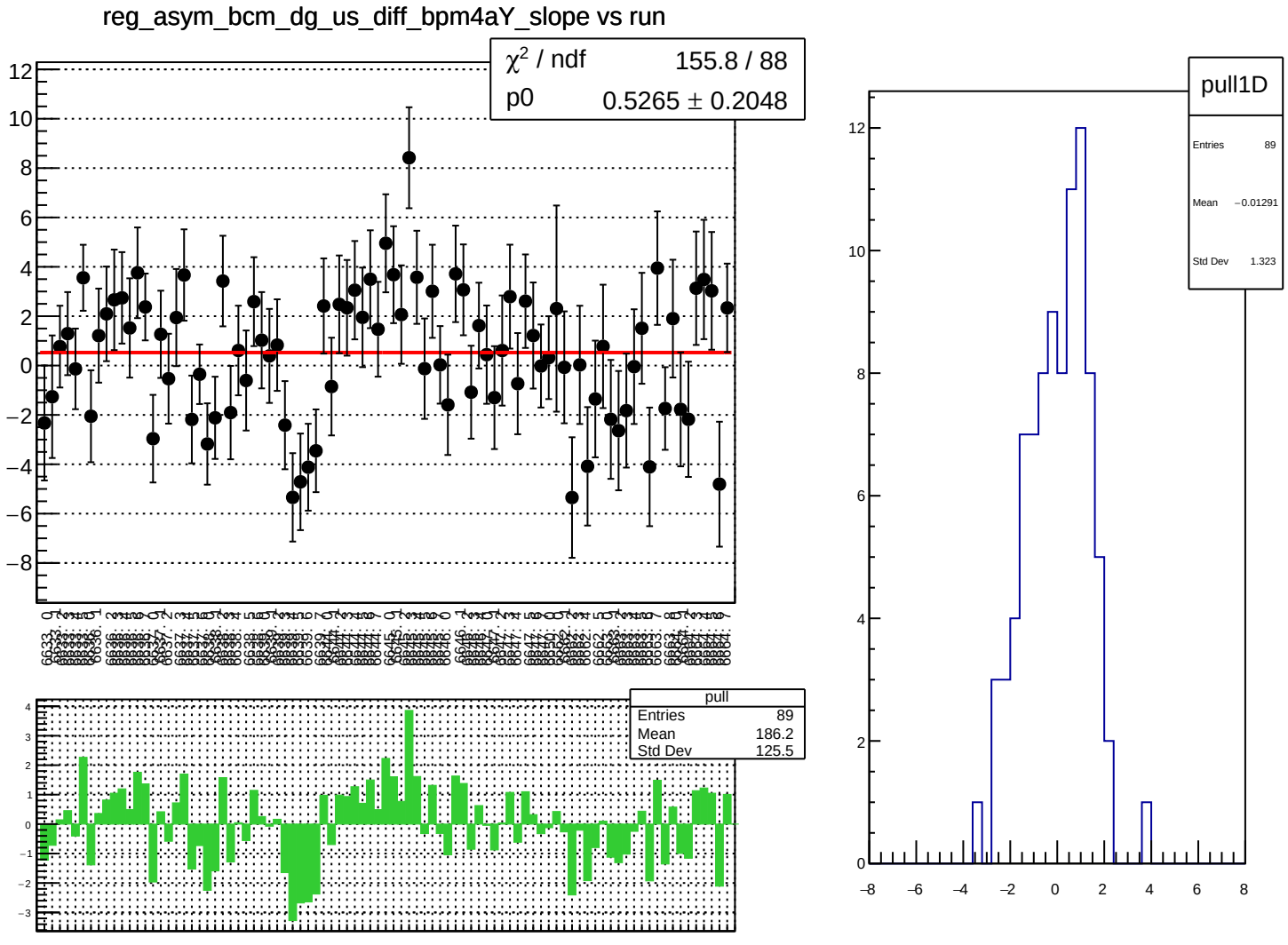

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 179.4 / 88
p0 −0.9703 ± 0.2381
pull
Entries 89
Mean −26.36
Std Dev 79.19

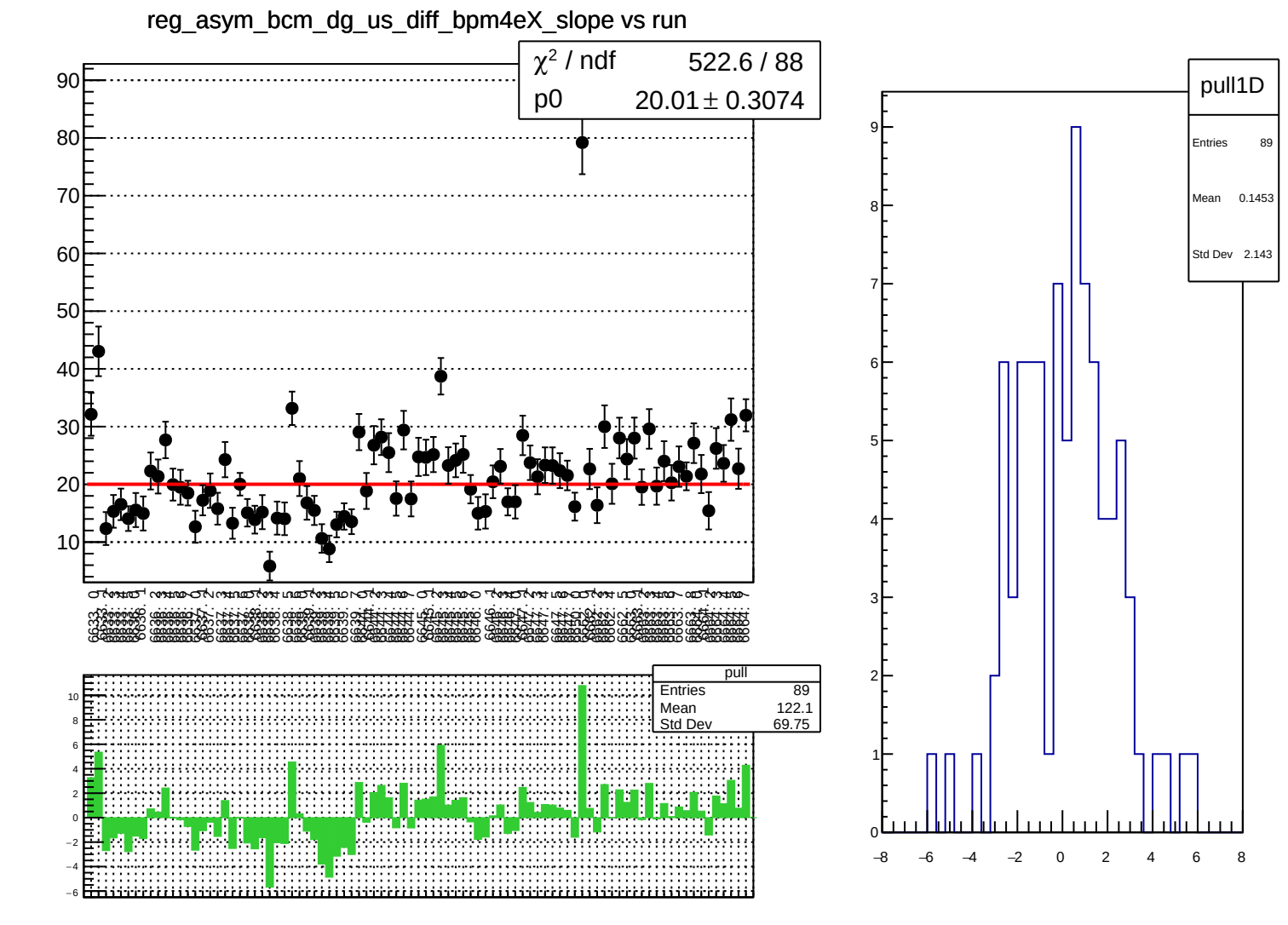

pull1D
Entries 89
Mean −0.02305
Std Dev 1.42

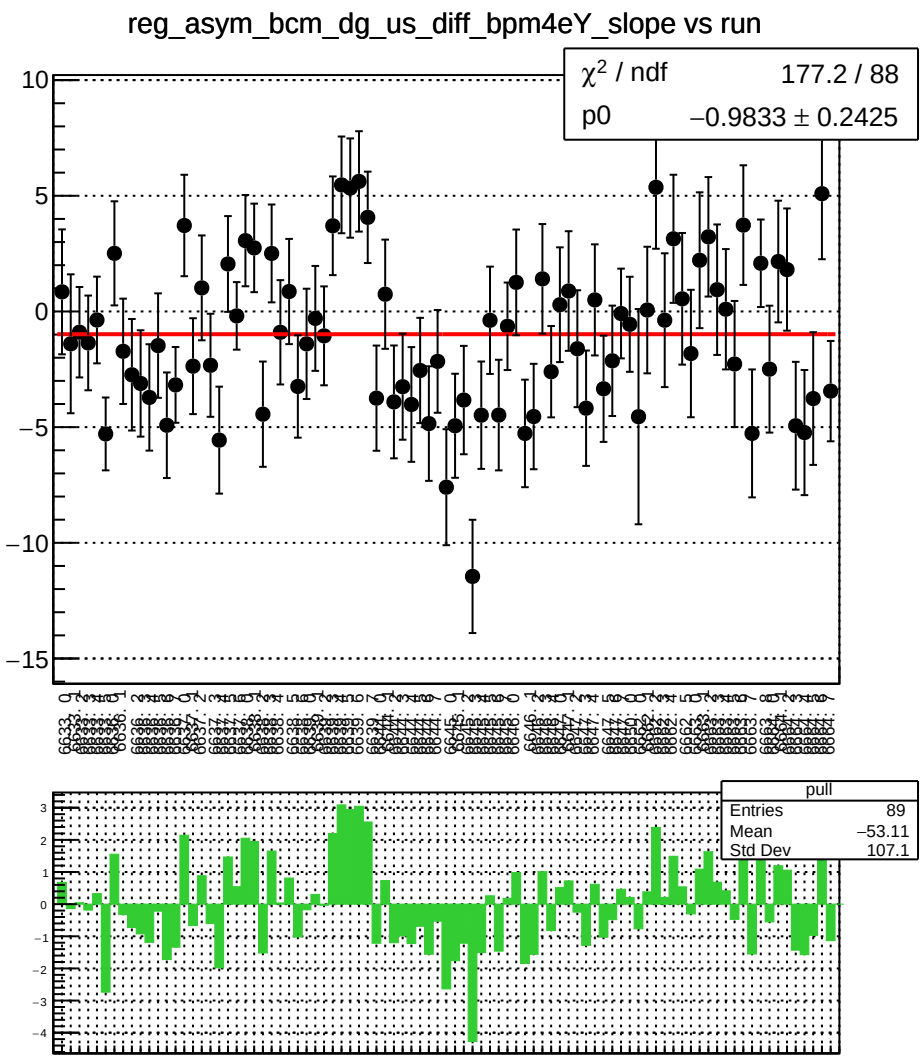

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 347.9 / 88
p0 0.2632 ± 0.01322
1.5
1
0.5
0
−0.5
pull
Entries 89
Mean 298.4
Std Dev 244.9
4
2
0
−2
−4

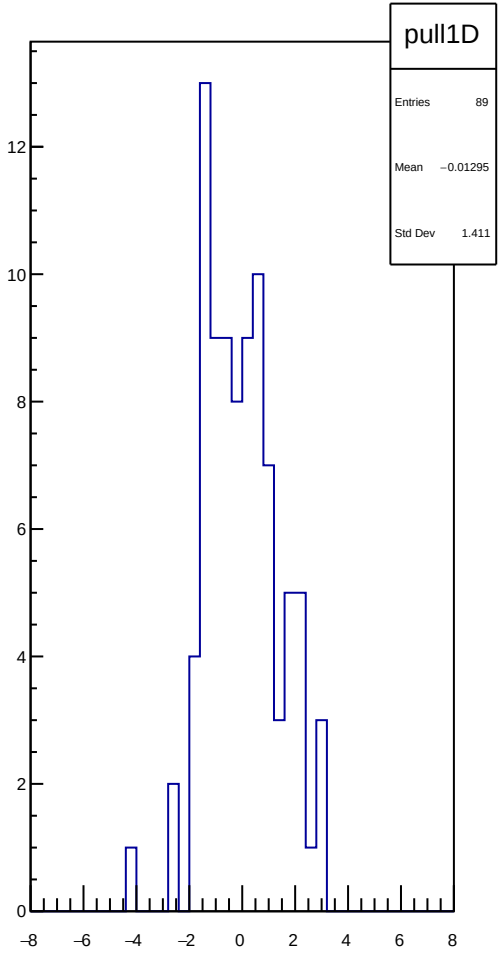

pull1D
Entries 89
Mean 0.1111
Std Dev 1.974
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

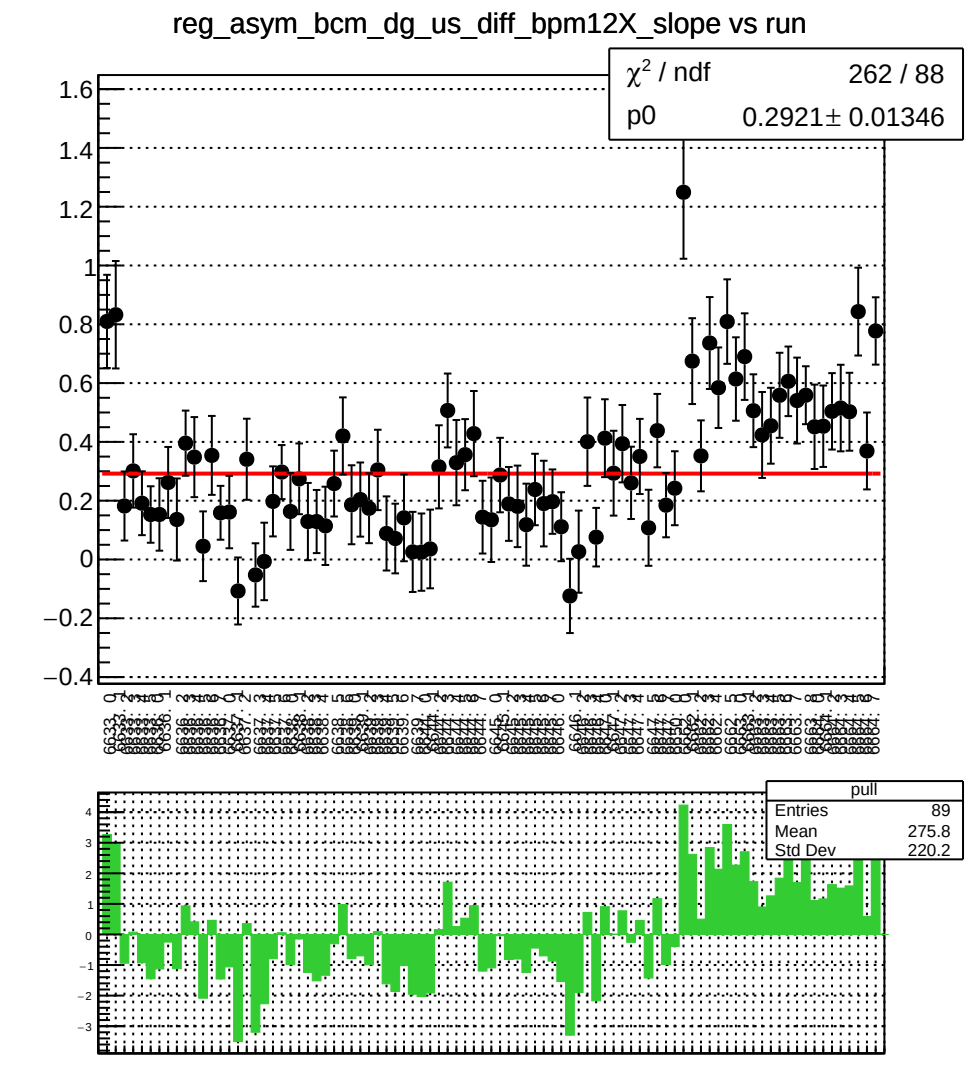

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 527.3 / 88
p0 −19.17 ± 0.2876
pull
Entries 89
Mean 124.3
Std Dev 72.7
pull1D
Entries 89
Mean −0.142
Std Dev 2.17

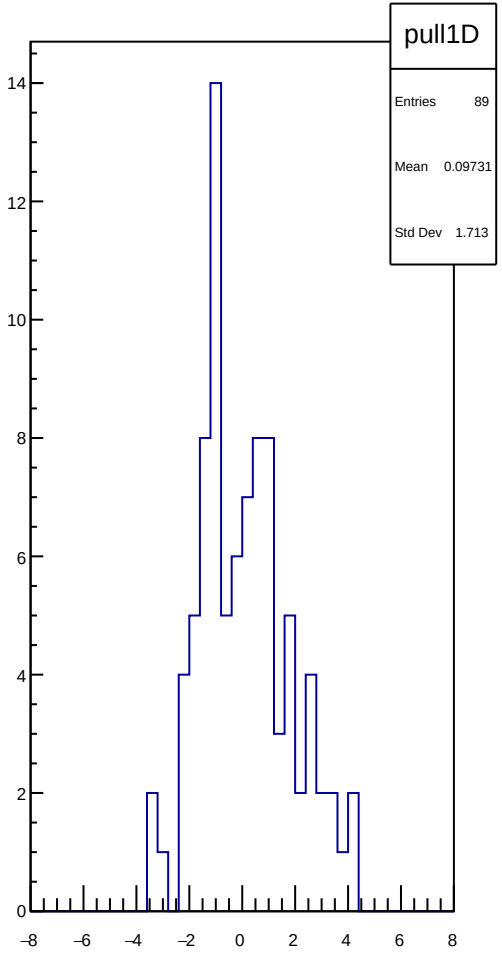

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 155.8 / 88
p0 0.5265 ± 0.2048
pull
Entries 89
Mean 186.2
Std Dev 125.5
pull1D
Entries 89
Mean −0.01291
Std Dev 1.323


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 522.6 / 88
p0 20.01 ± 0.3074
pull
Entries 89
Mean 122.1
Std Dev 69.75
pull1D
Entries 89
Mean 0.1453
Std Dev 2.143


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 177.2 / 88
p0 −0.9833 ± 0.2425
pull
Entries 89
Mean −53.11
Std Dev 107.1


pull1D
Entries 89
Mean −0.01295
Std Dev 1.411


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 262 / 88
p0 0.2921± 0.01346
pull
Entries 89
Mean 275.8
Std Dev 220.2


pull1D
Entries 89
Mean 0.09731
Std Dev 1.713