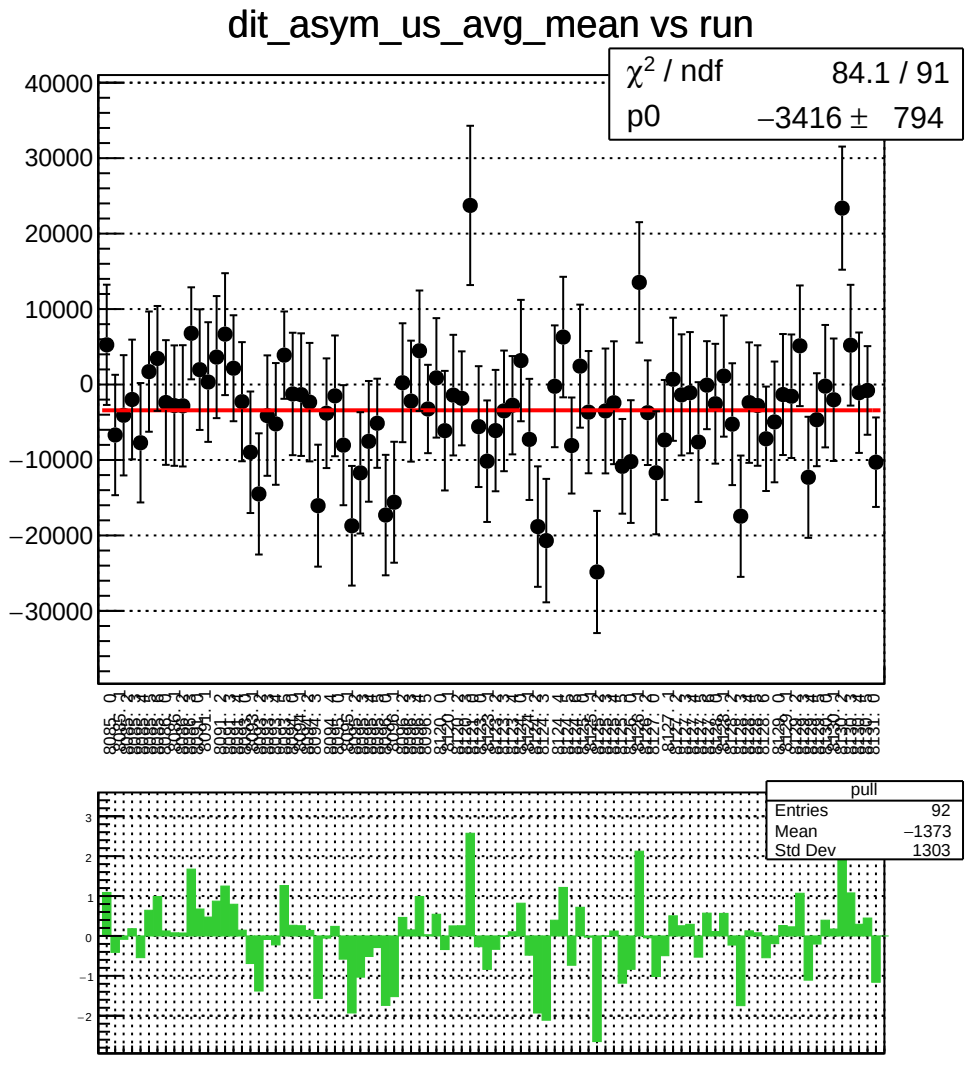
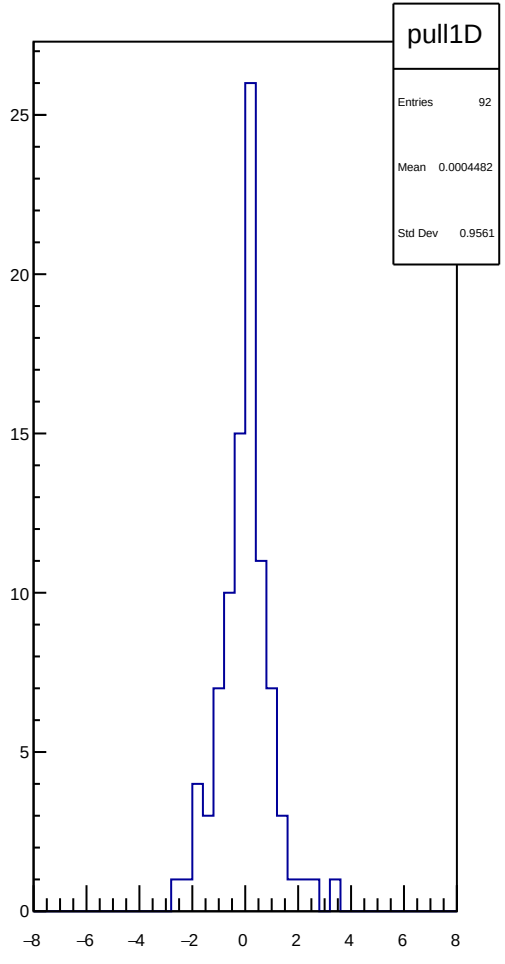
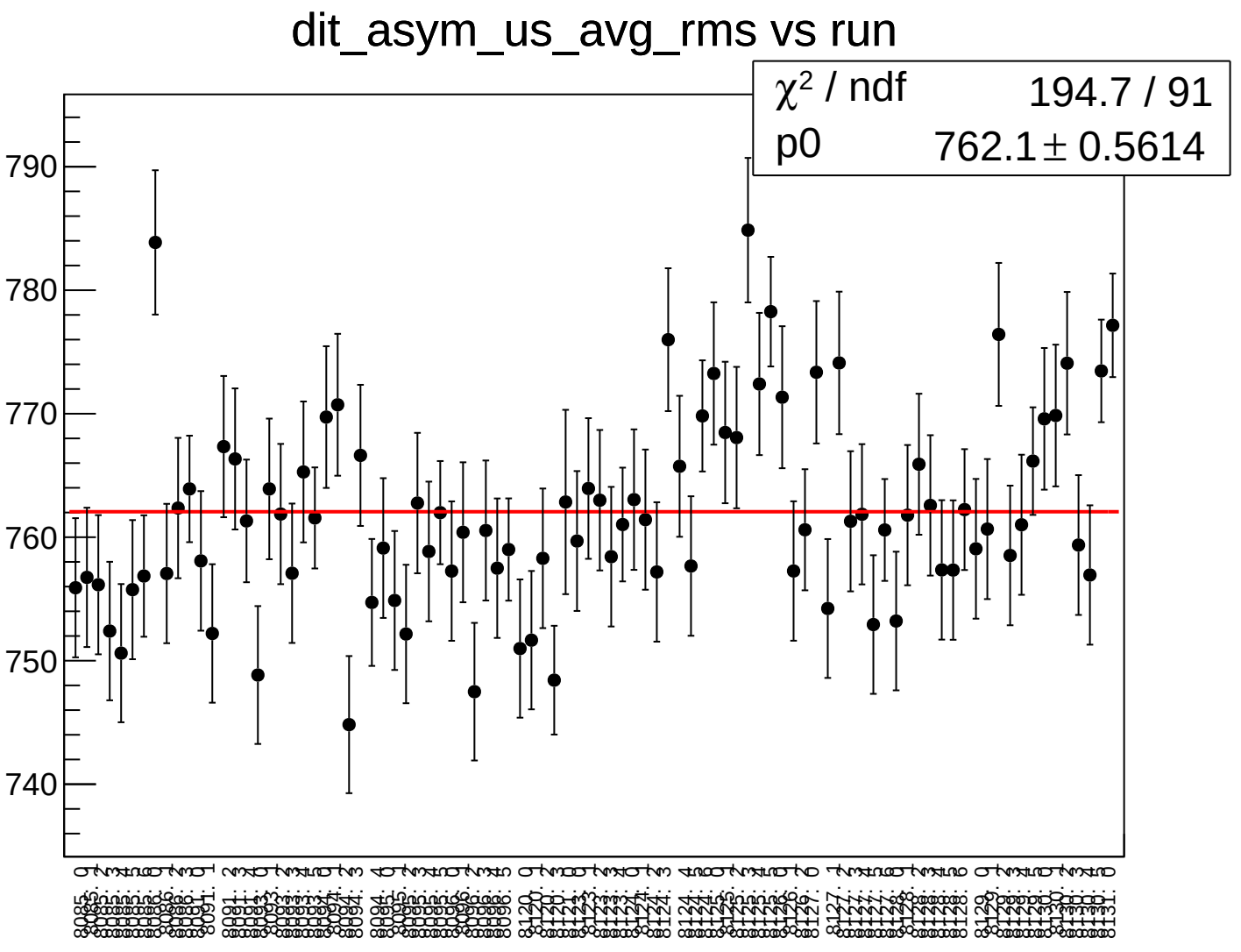
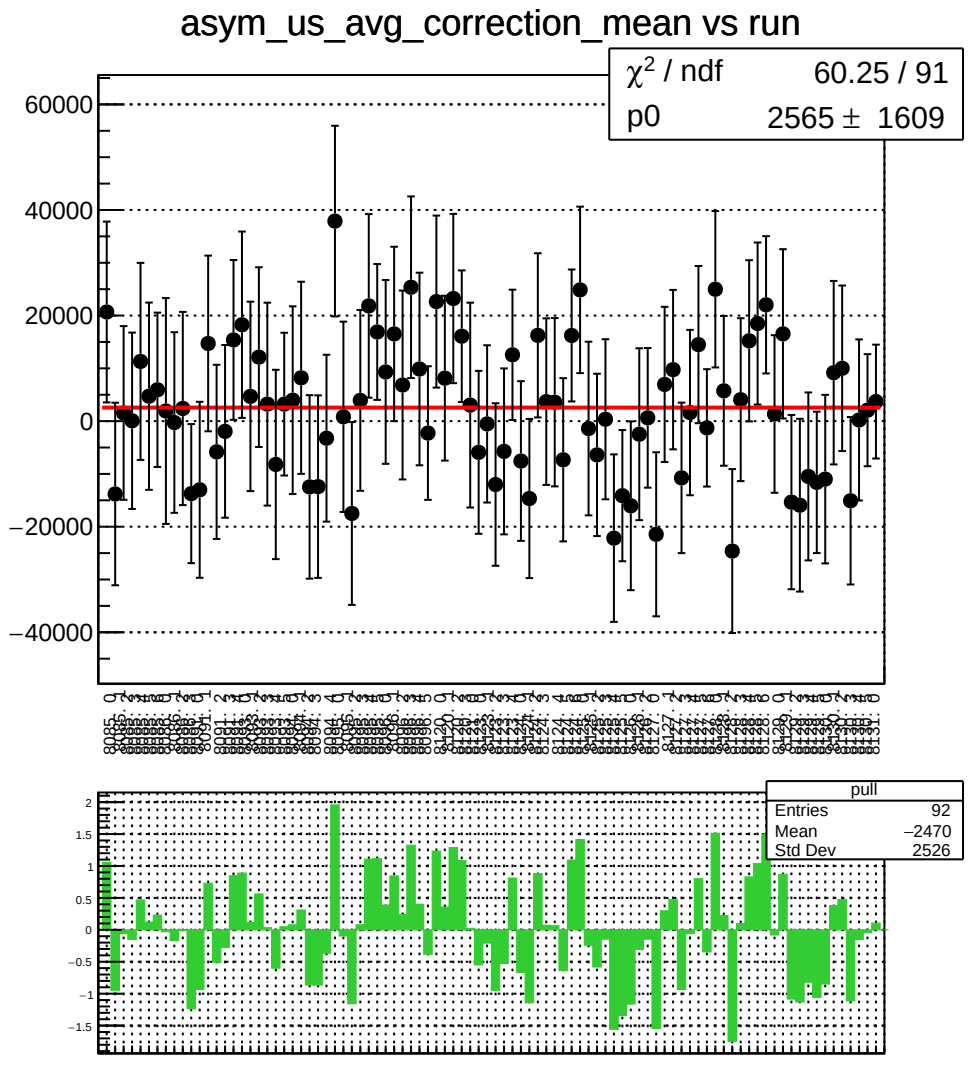
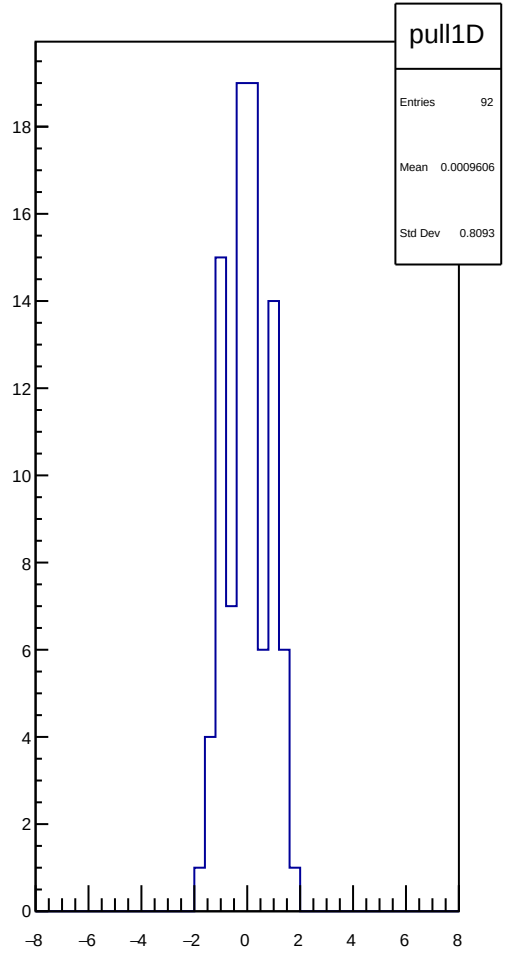
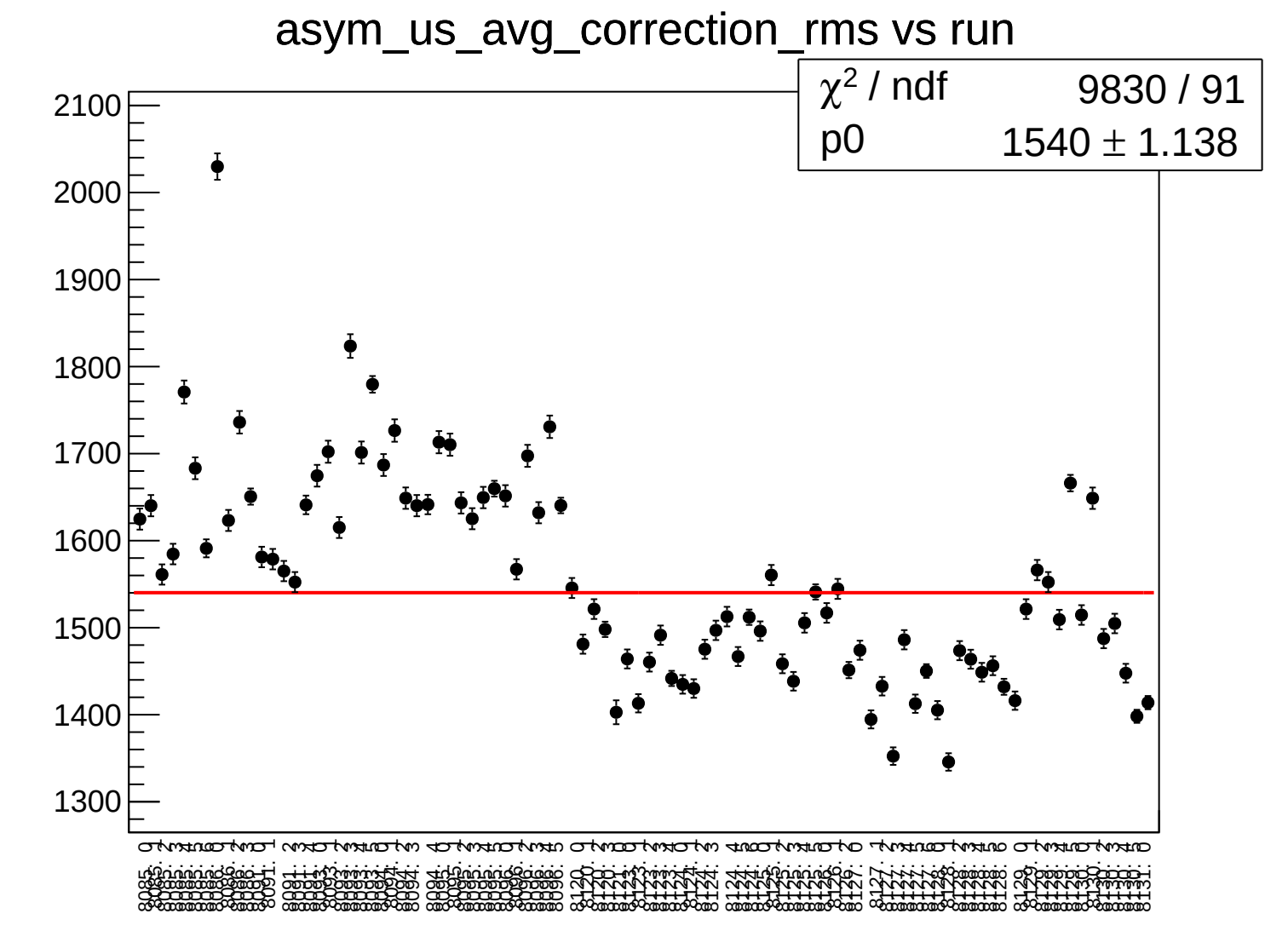

dit_asym_us_avg_mean vs run
χ² / ndf 84.1 / 91
p0 −3416 ± 794
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −1373
Std Dev 1303
3
2
1
0
−1
−2

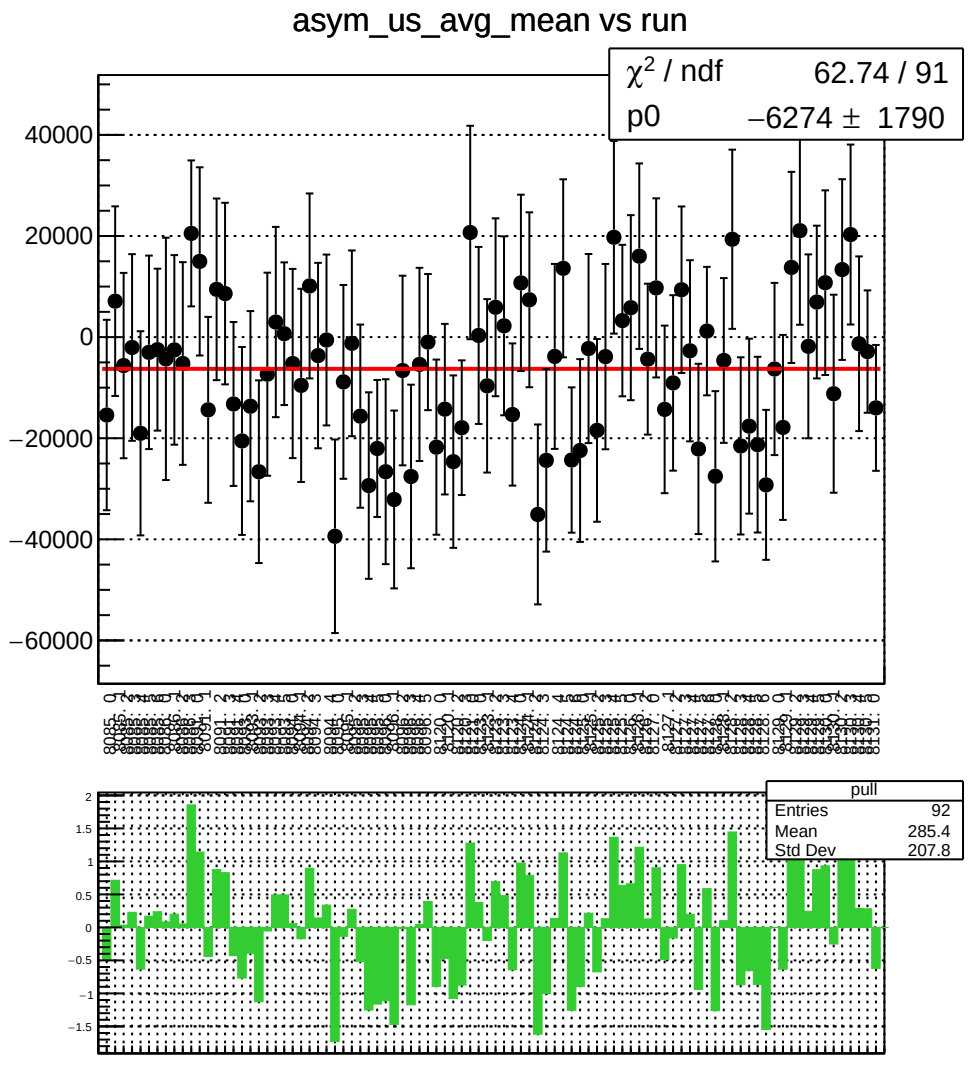

pull1D
Entries 92
Mean 0.0004482
Std Dev 0.9561
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

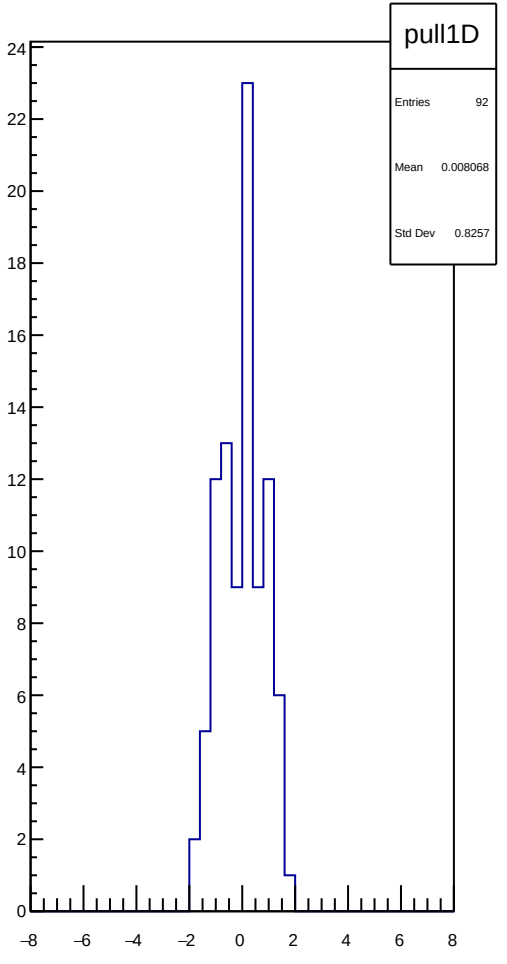

dit_asym_us_avg_rms vs run
χ² / ndf 194.7 / 91
p0 762.1 ± 0.5614
790
780
770
760
750
740

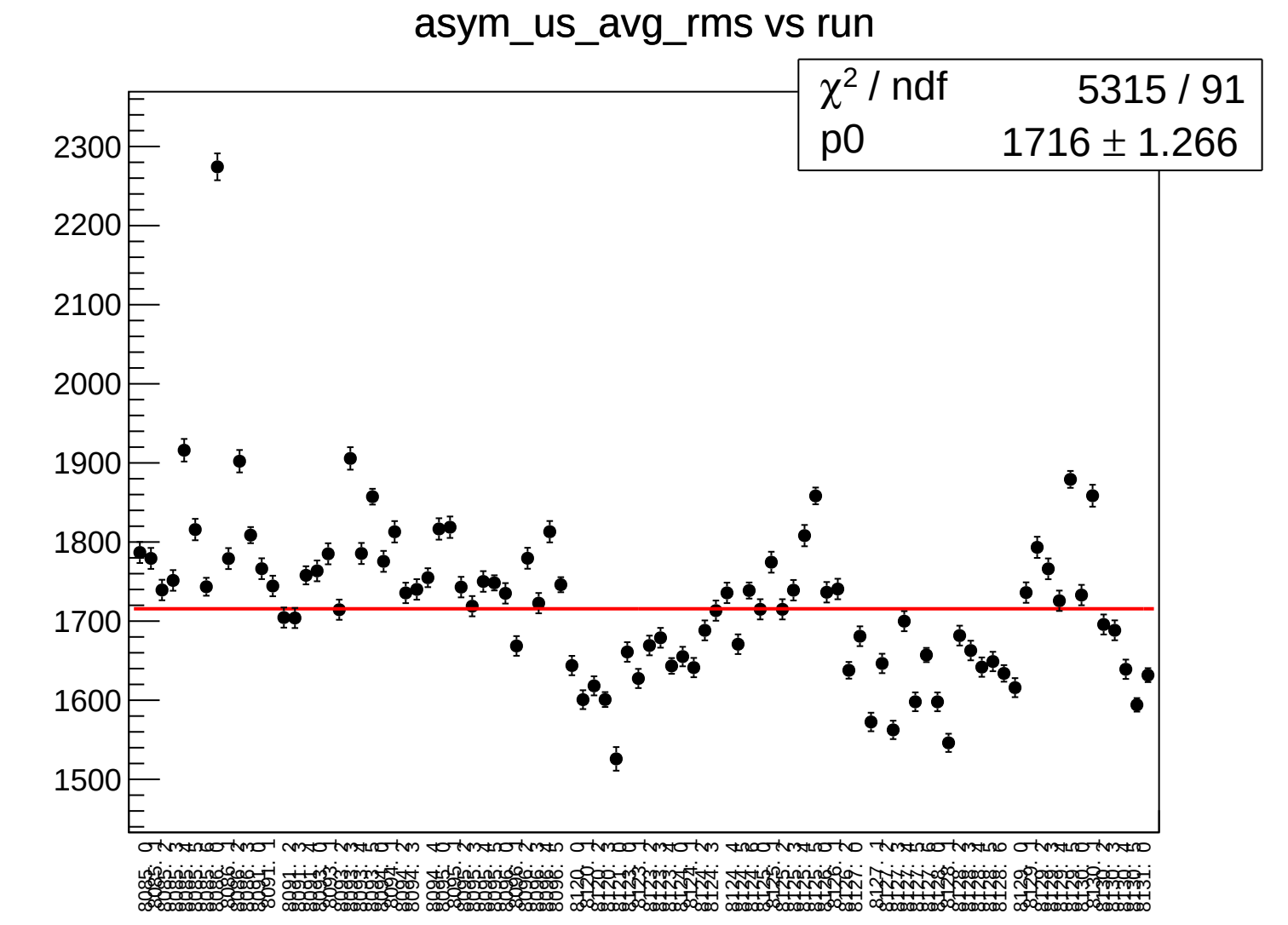

asym_us_avg_correction_mean vs run
χ² / ndf 60.25 / 91
p0 2565 ± 1609
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −2470
Std Dev 2526
2
1.5
1
0.5
0
−0.5
−1
−1.5

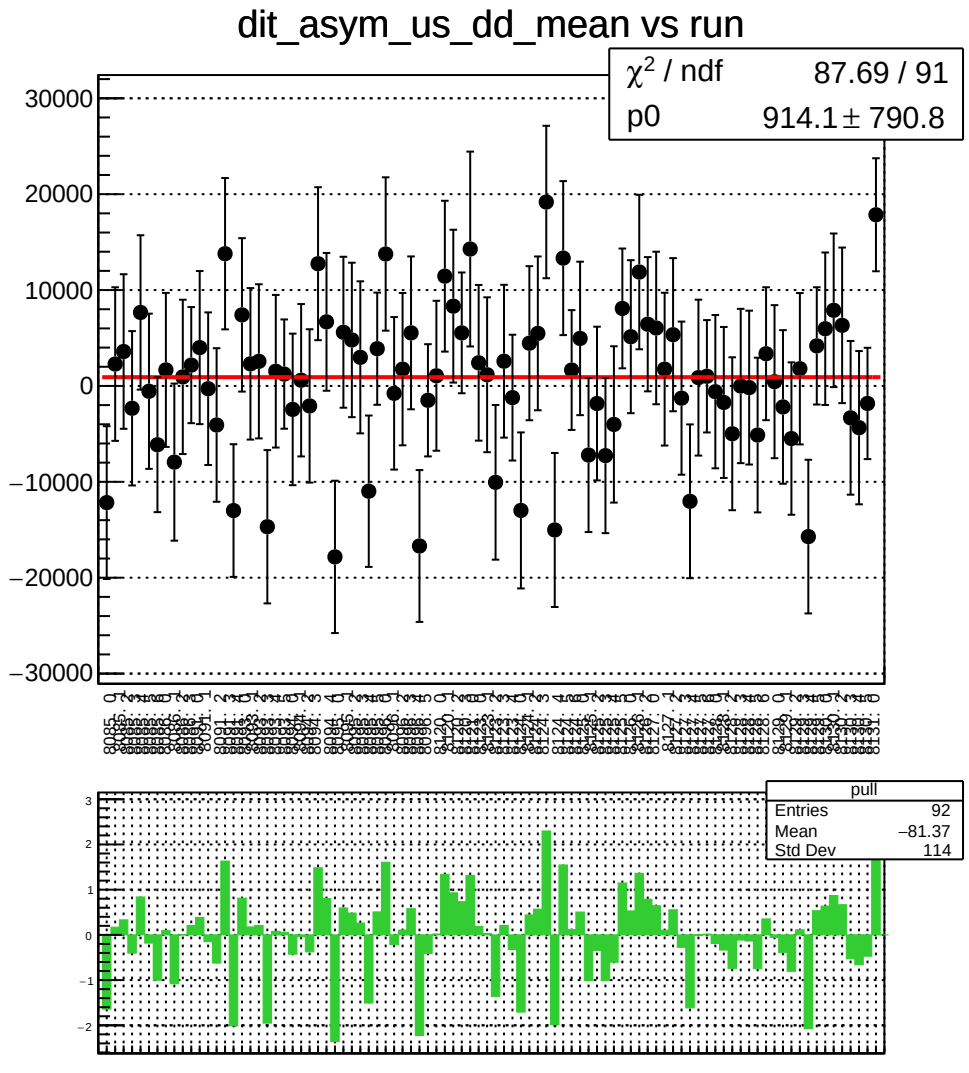

pull1D
Entries 92
Mean 0.0009606
Std Dev 0.8093
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

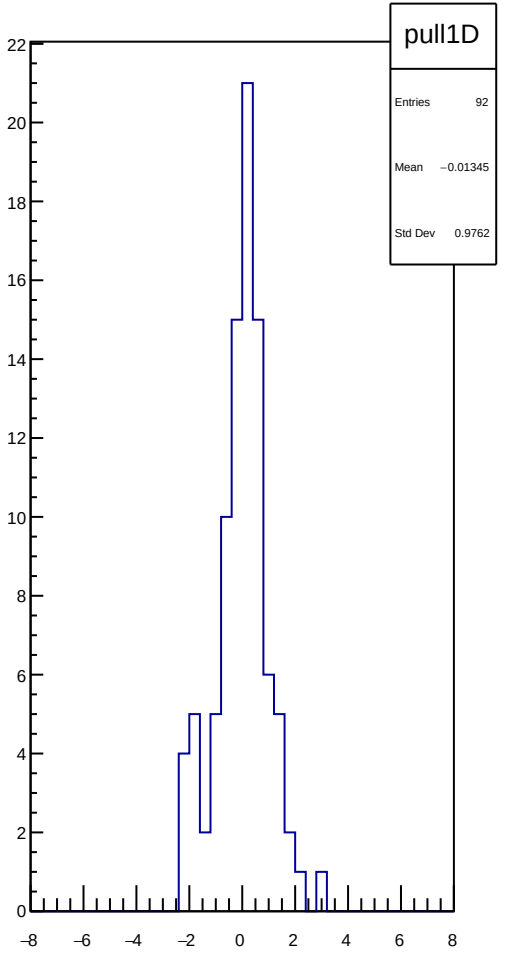

asym_us_avg_correction_rms vs run
χ² / ndf 9830 / 91
p0 1540 ± 1.138
2100
2000
1900
1800
1700
1600
1500
1400
1300

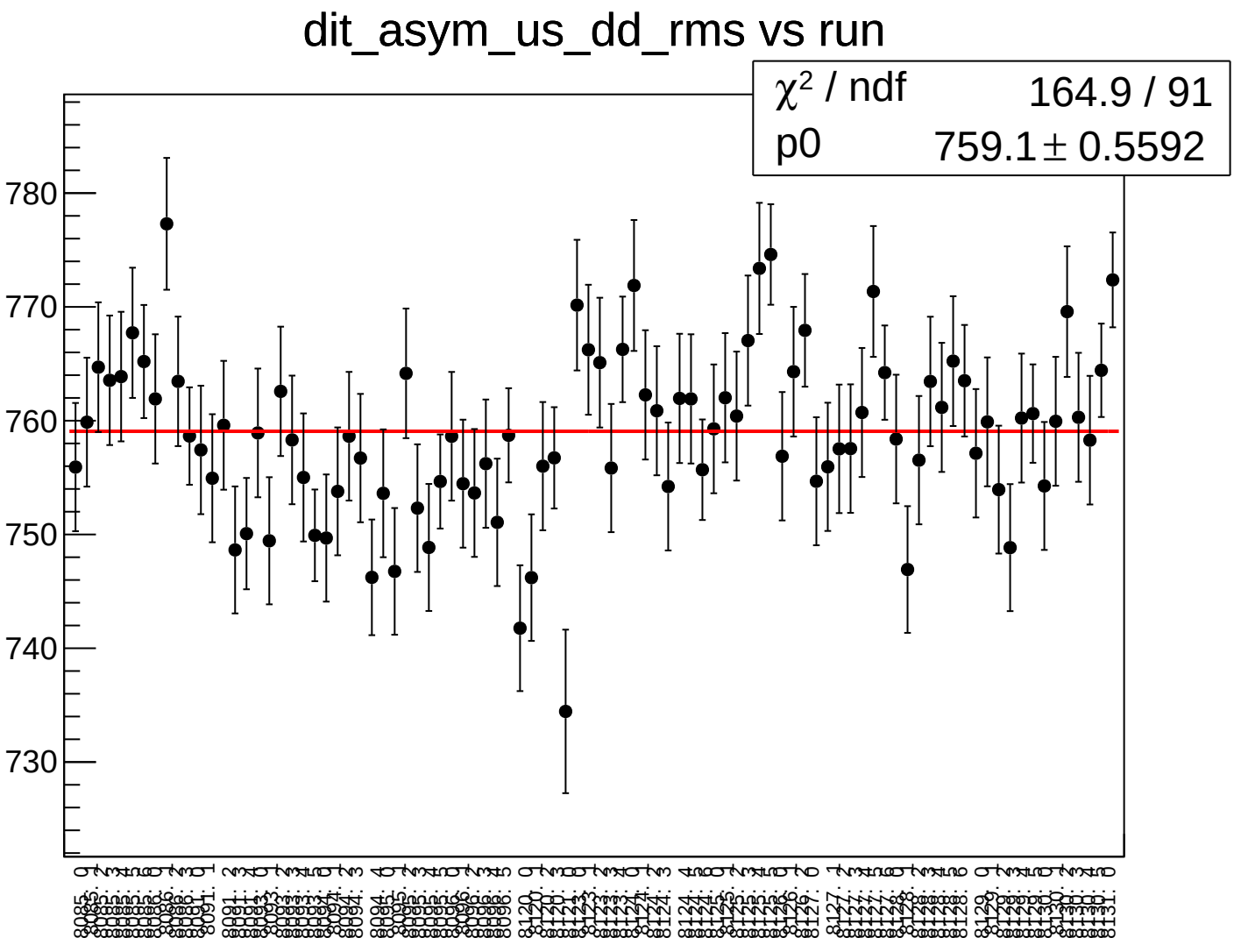

asym_us_avg_mean vs run
χ² / ndf 62.74 / 91
p0 −6274 ± 1790
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 285.4
Std Dev 207.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

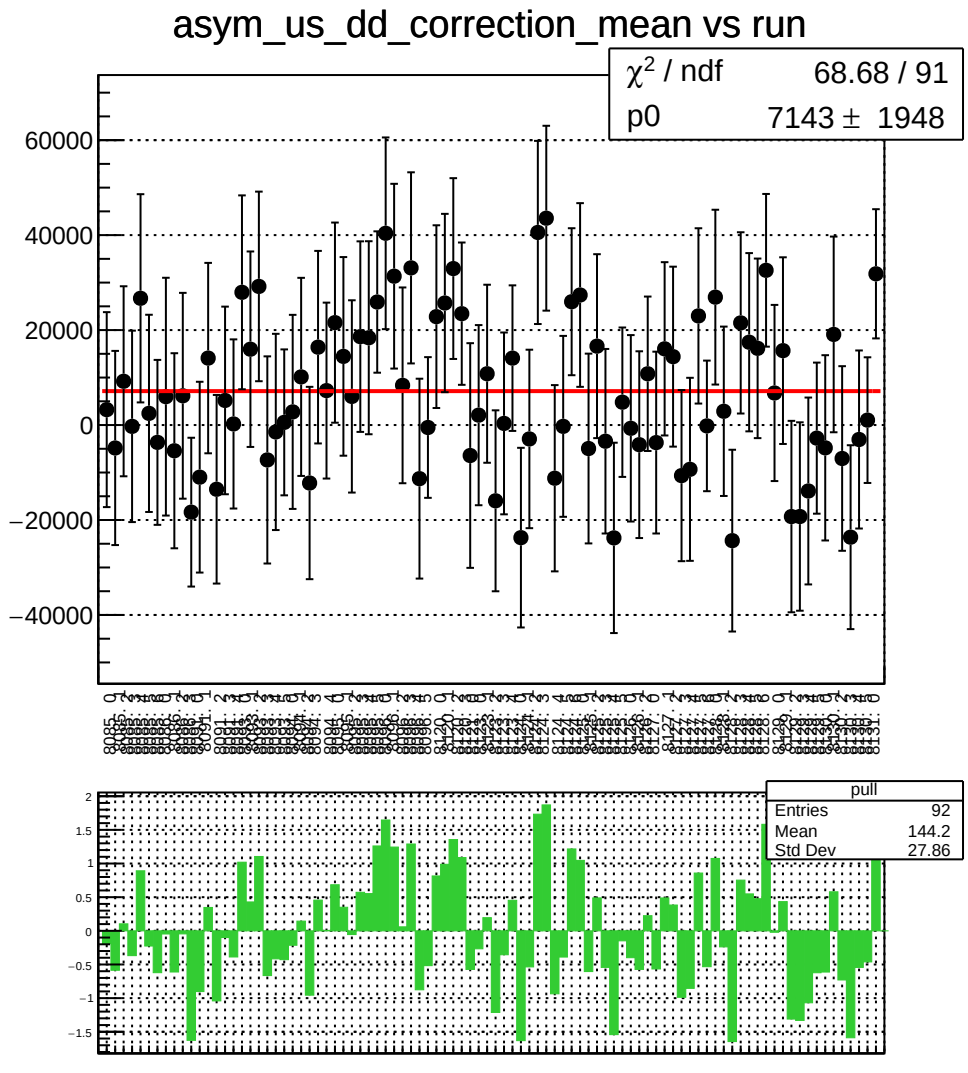

pull1D
Entries 92
Mean 0.008068
Std Dev 0.8257
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

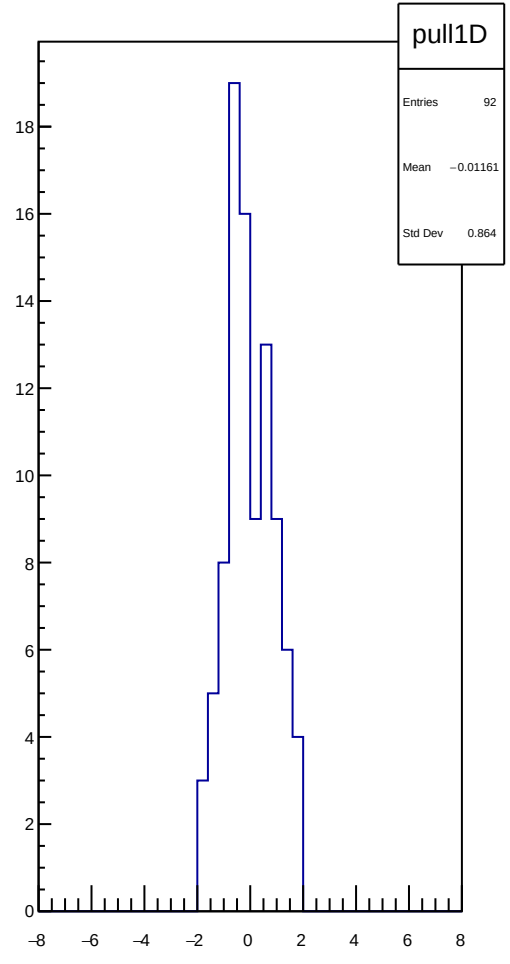

asym_us_avg_rms vs run
χ^2 / ndf 5315 / 91
p0 1716 ± 1.266
2300
2200
2100
2000
1900
1800
1700
1600
1500

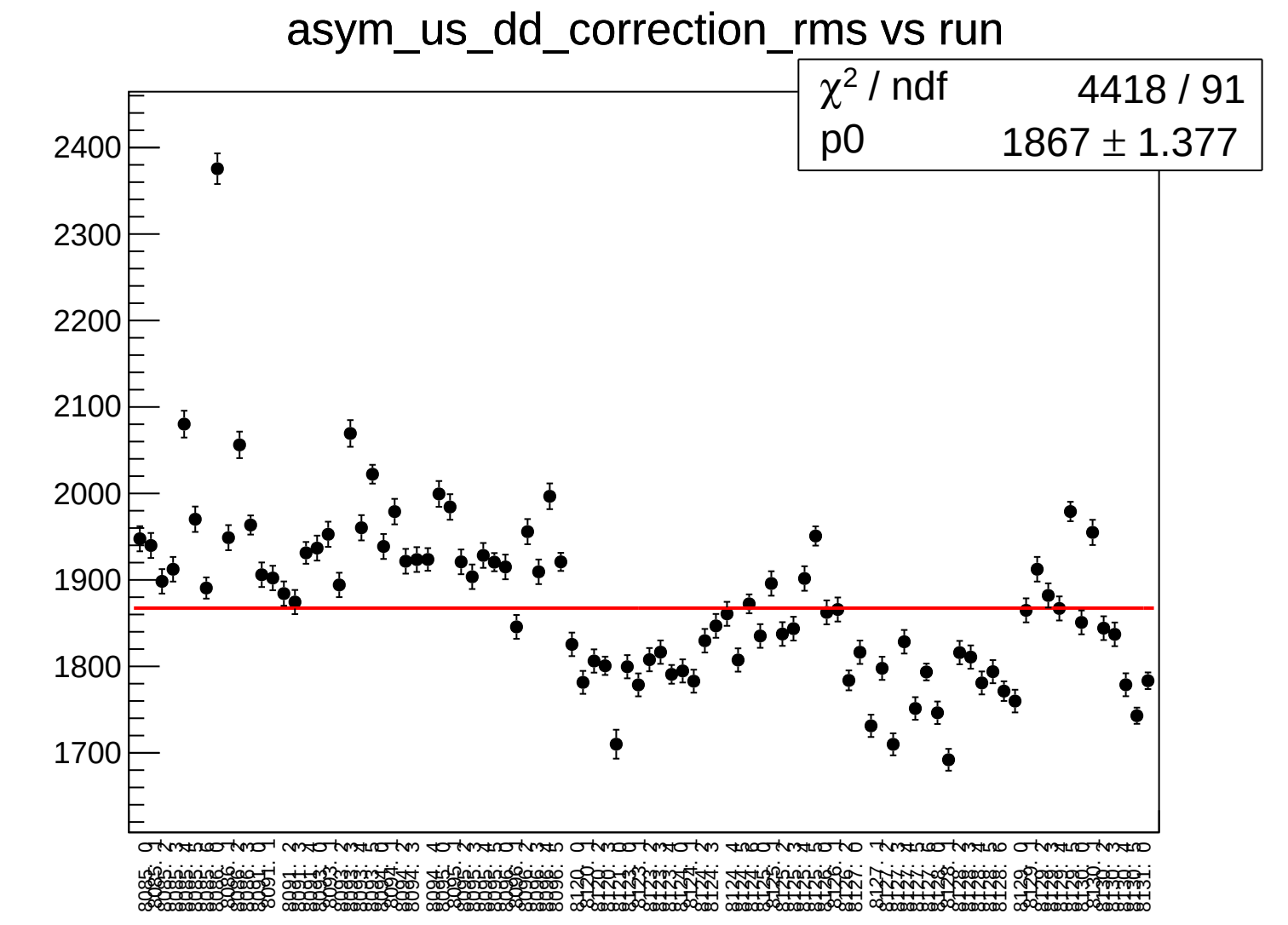

dit_asym_us_dd_mean vs run
χ² / ndf 87.69 / 91
p0 914.1 ± 790.8
pull
Entries 92
Mean −81.37
Std Dev 114

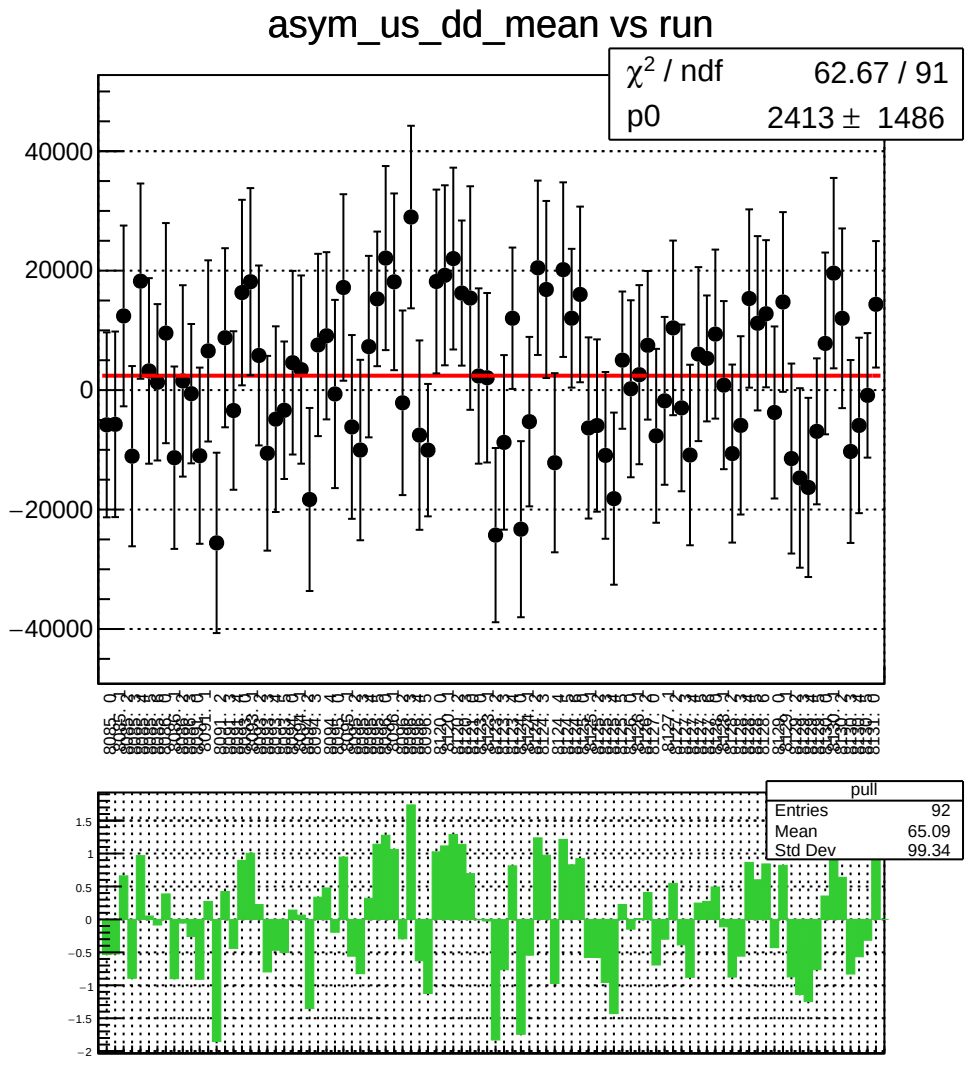

pull1D
Entries 92
Mean −0.01345
Std Dev 0.9762

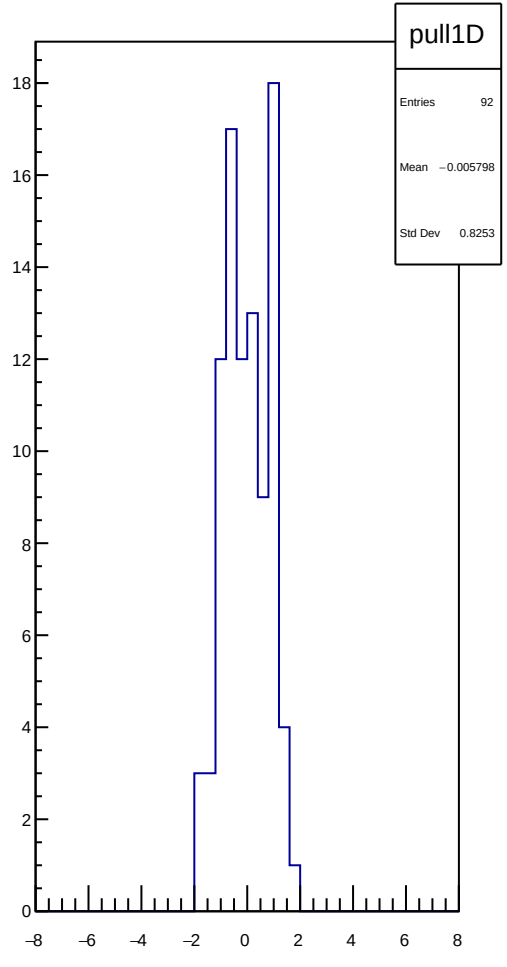

dit_asym_us_dd_rms vs run
χ² / ndf 164.9 / 91
p0 759.1 ± 0.5592
780
770
760
750
740
730

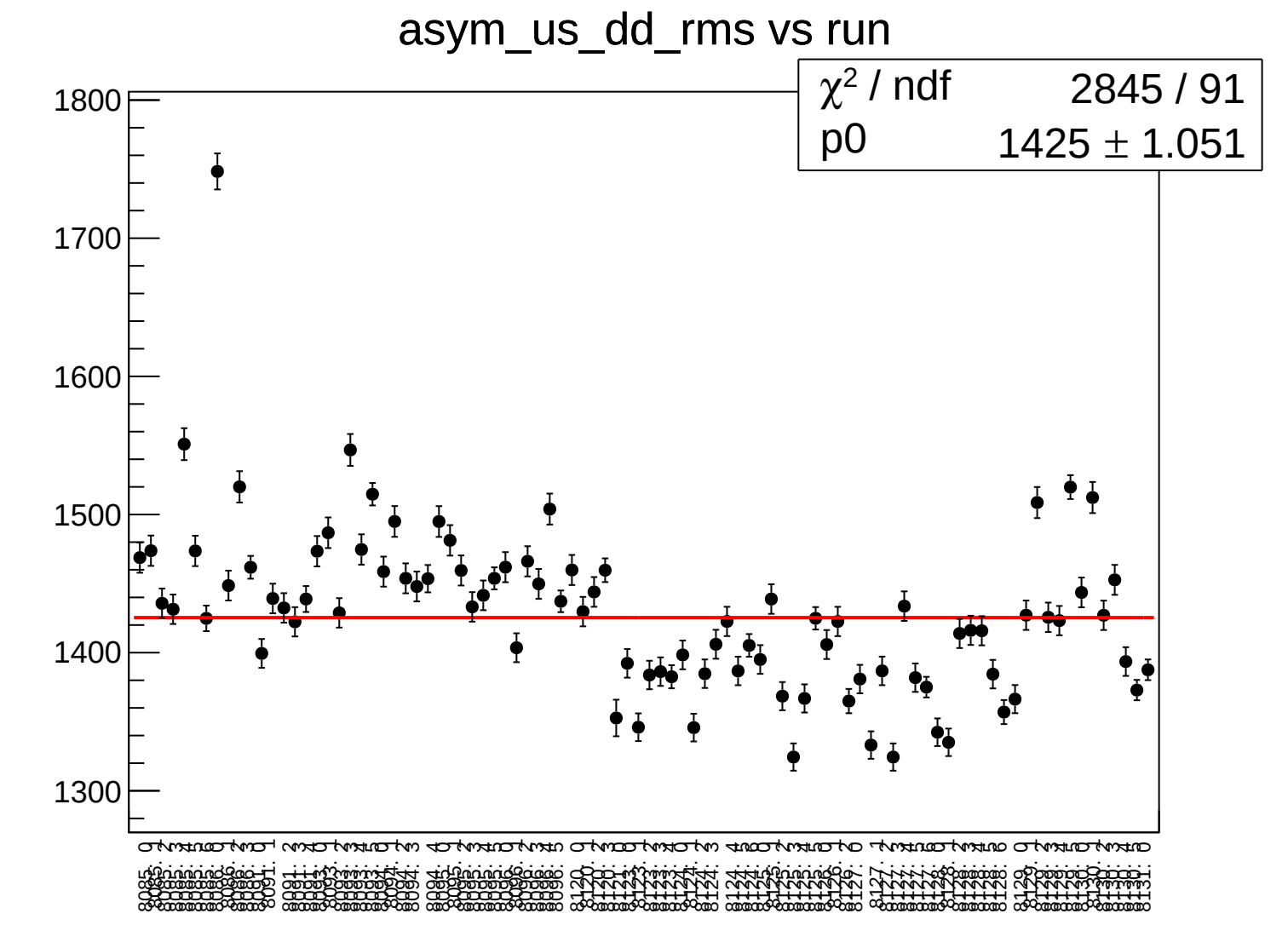

asym_us_dd_correction_mean vs run
χ² / ndf 68.68 / 91
p0 7143 ± 1948
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 144.2
Std Dev 27.86
2
1.5
1
0.5
0
−0.5
−1
−1.5

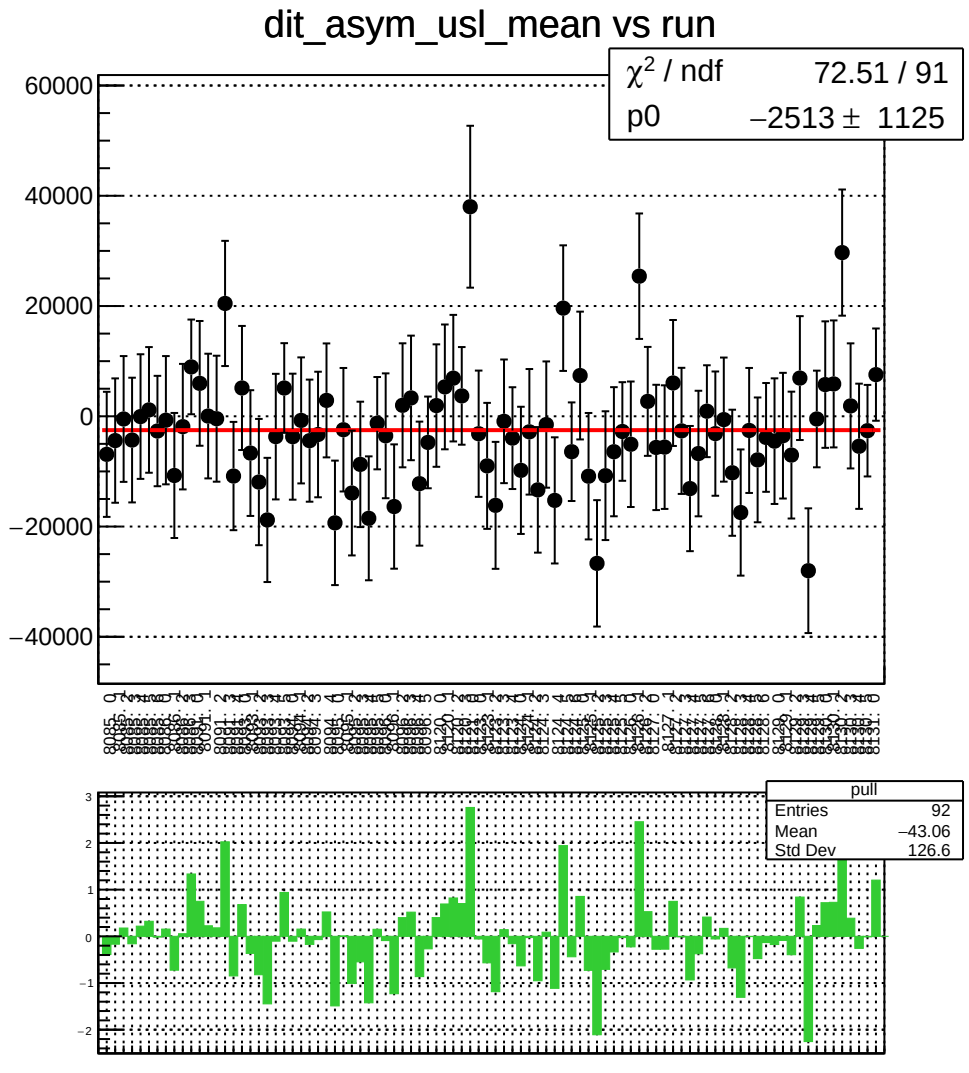

pull1D
Entries 92
Mean −0.01161
Std Dev 0.864
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

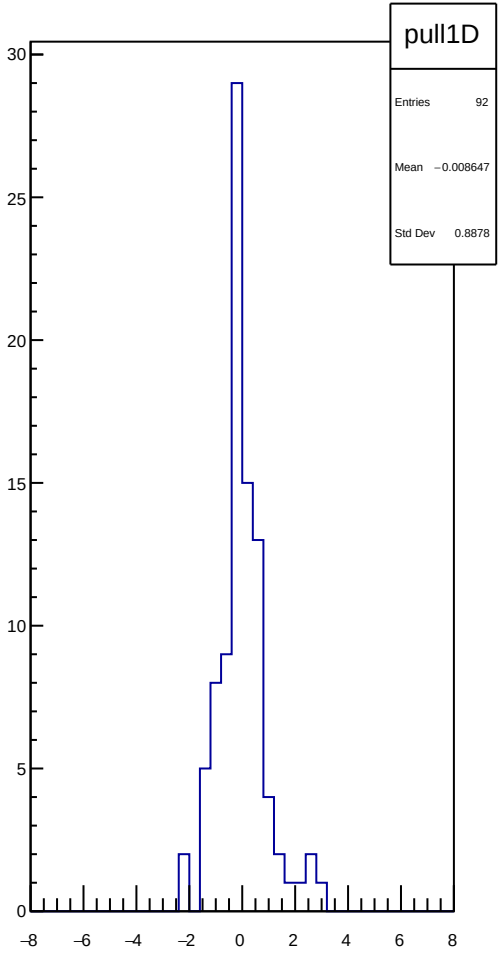

asym_us_dd_correction_rms vs run
χ² / ndf 4418 / 91
p0 1867 ± 1.377
2400
2300
2200
2100
2000
1900
1800
1700

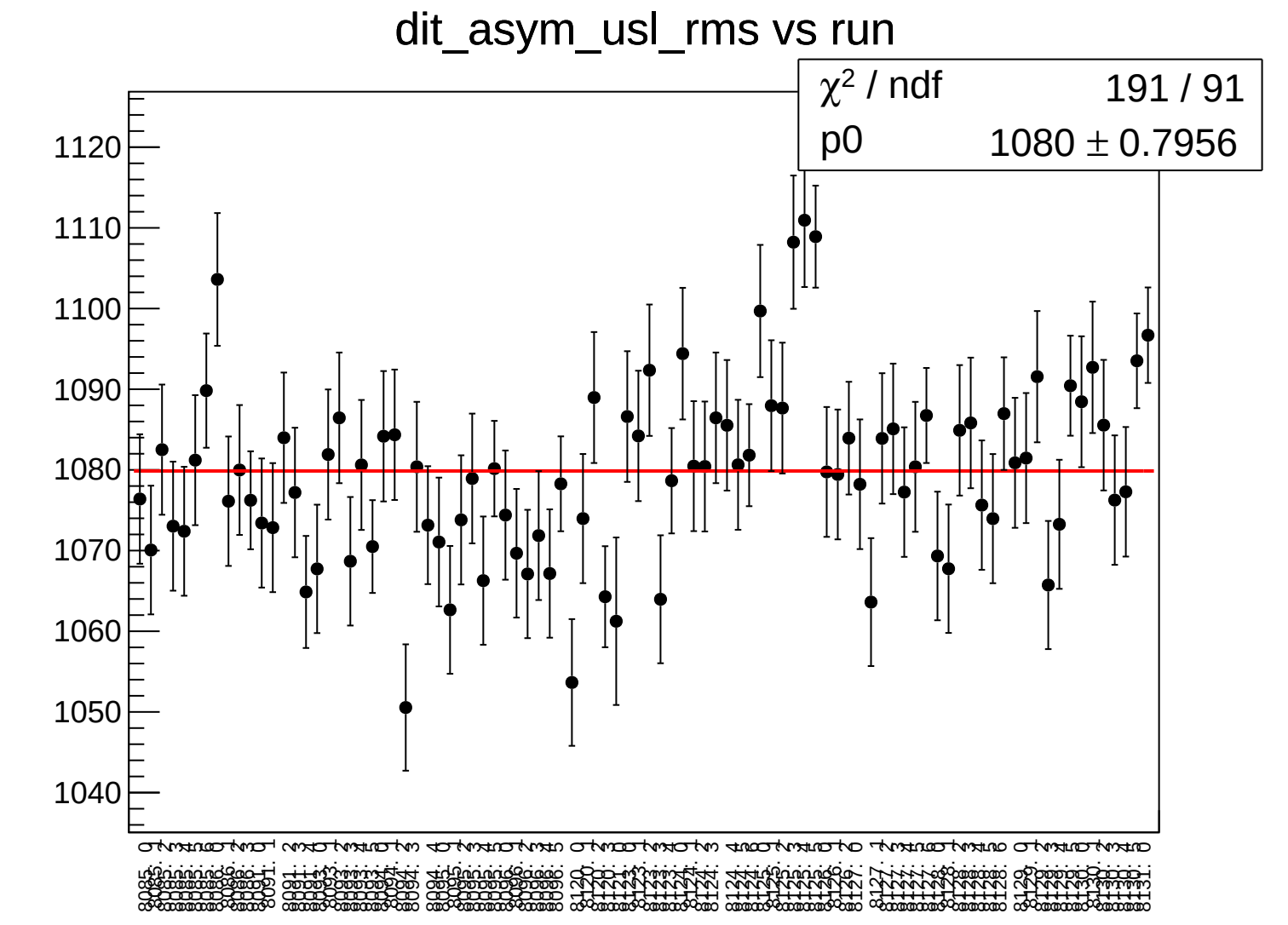

asym_us_dd_mean vs run
χ² / ndf 62.67 / 91
p0 2413 ± 1486
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 65.09
Std Dev 99.34
1.5
1
0.5
0
−0.5
−1
−1.5
−2

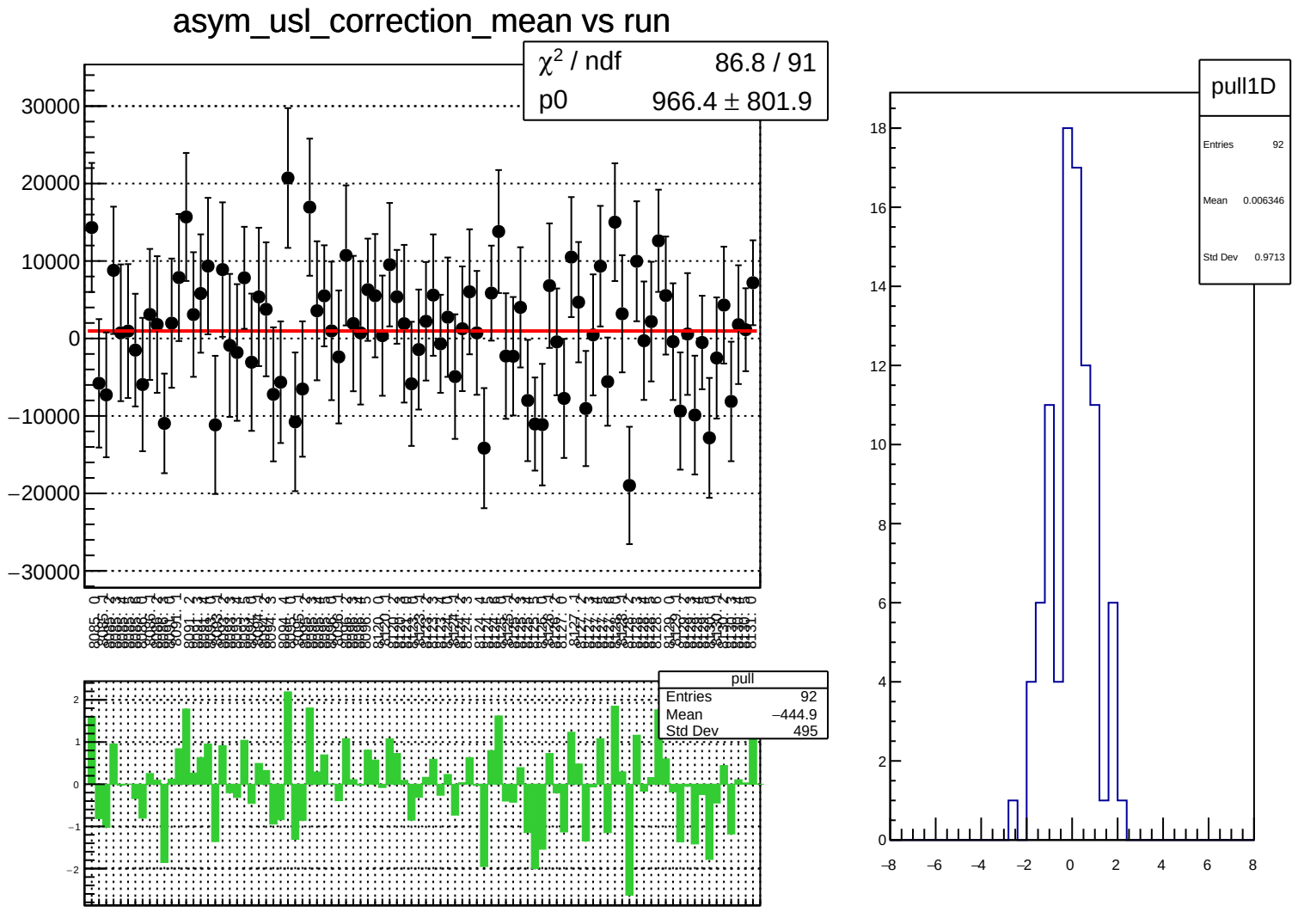

pull1D
Entries 92
Mean −0.005798
Std Dev 0.8253
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

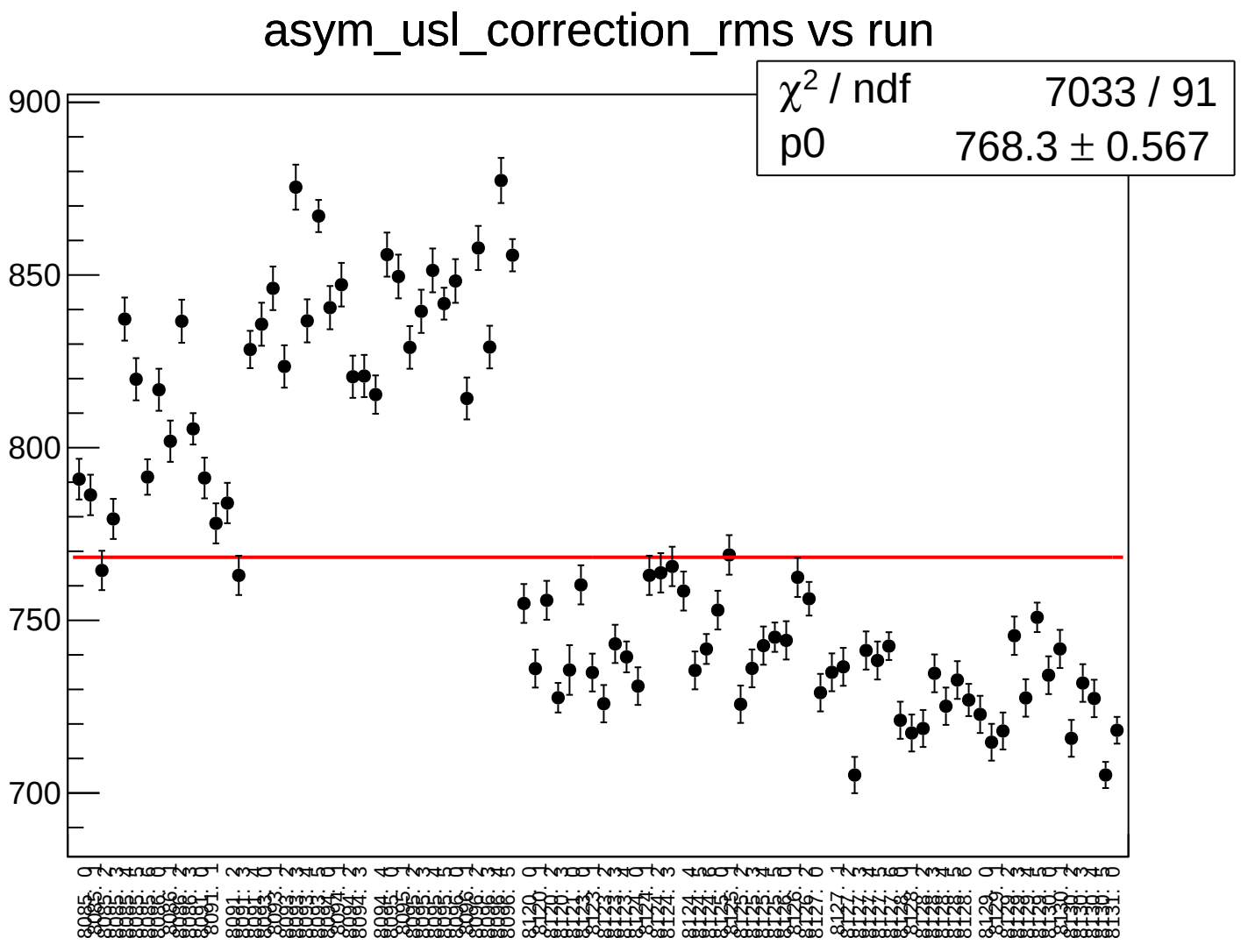

asym_us_dd_rms vs run
χ² / ndf 2845 / 91
p0 1425 ± 1.051
1800
1700
1600
1500
1400
1300

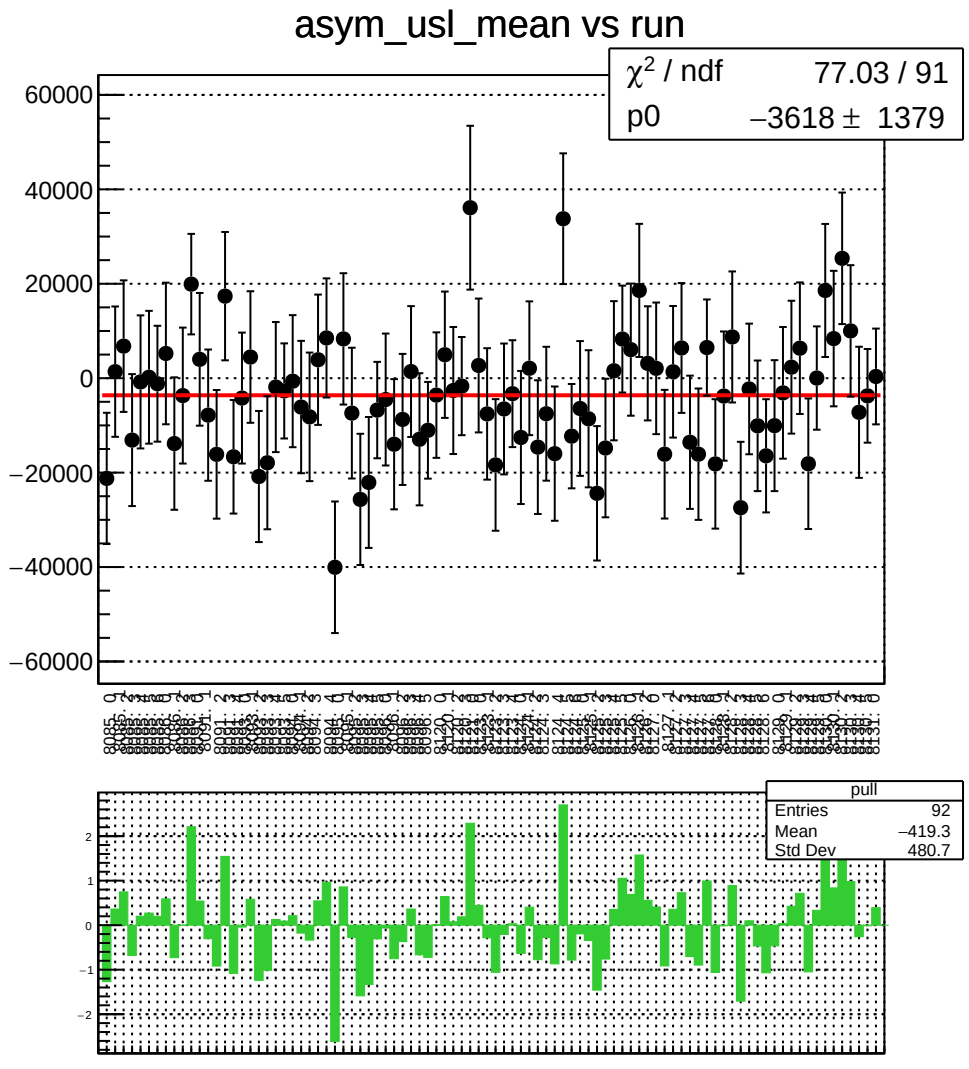

dit_asym_usl_mean vs run
χ² / ndf 72.51 / 91
p0 −2513 ± 1125
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −43.06
Std Dev 126.6
3
2
1
0
−1
−2

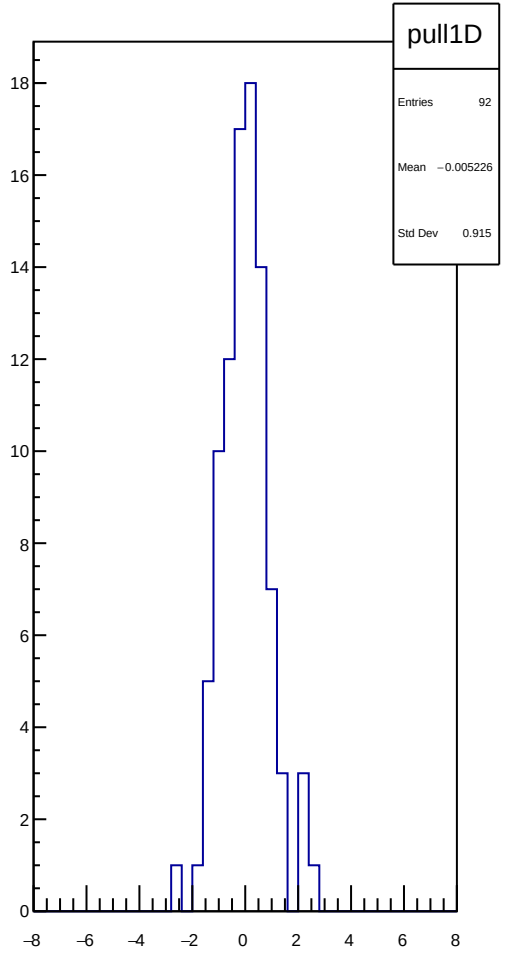

pull1D
Entries 92
Mean −0.008647
Std Dev 0.8878
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

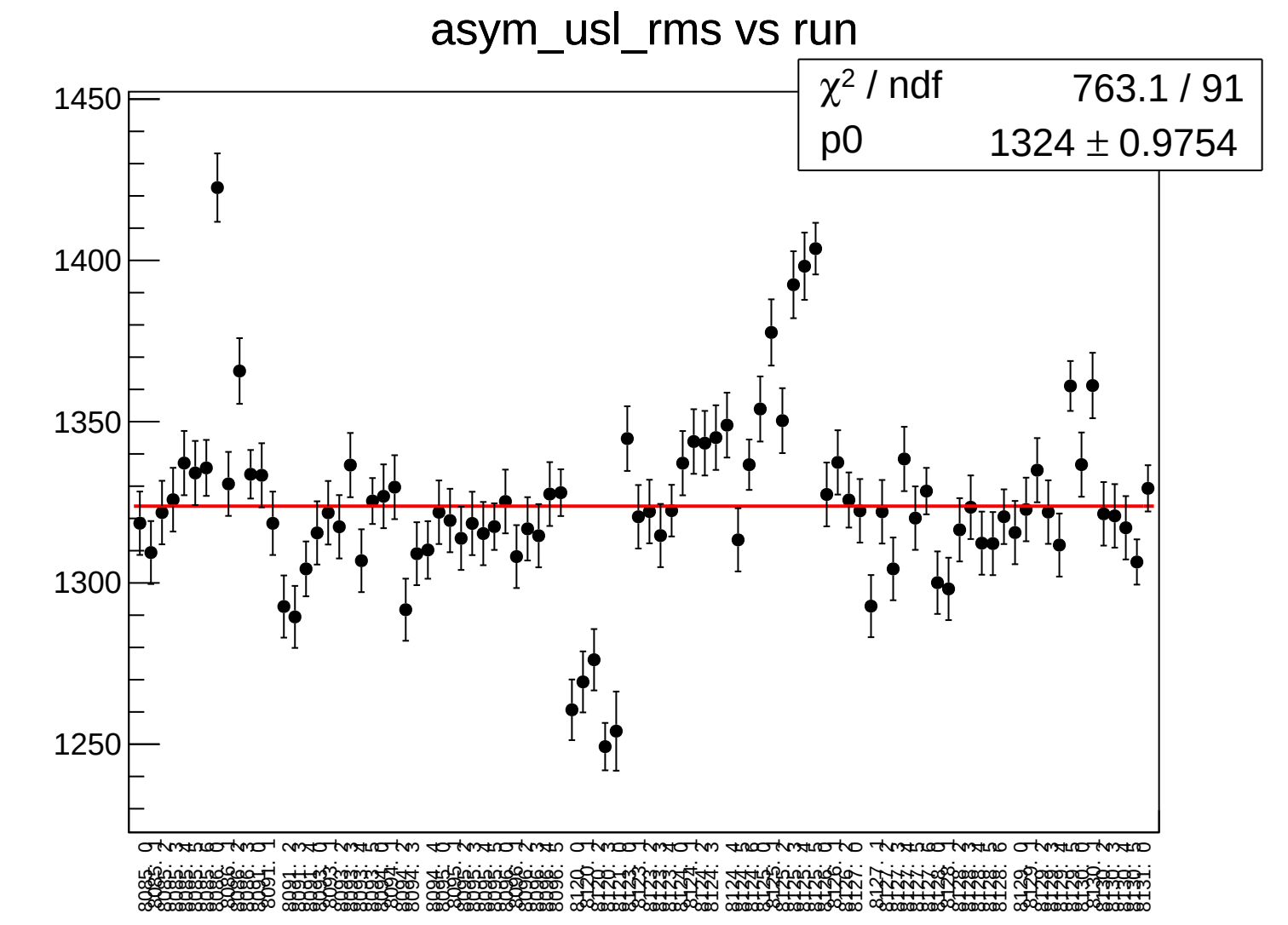

dit_asym_usl_rms vs run
χ² / ndf 191 / 91
p0 1080 ± 0.7956
1120
1110
1100
1090
1080
1070
1060
1050
1040

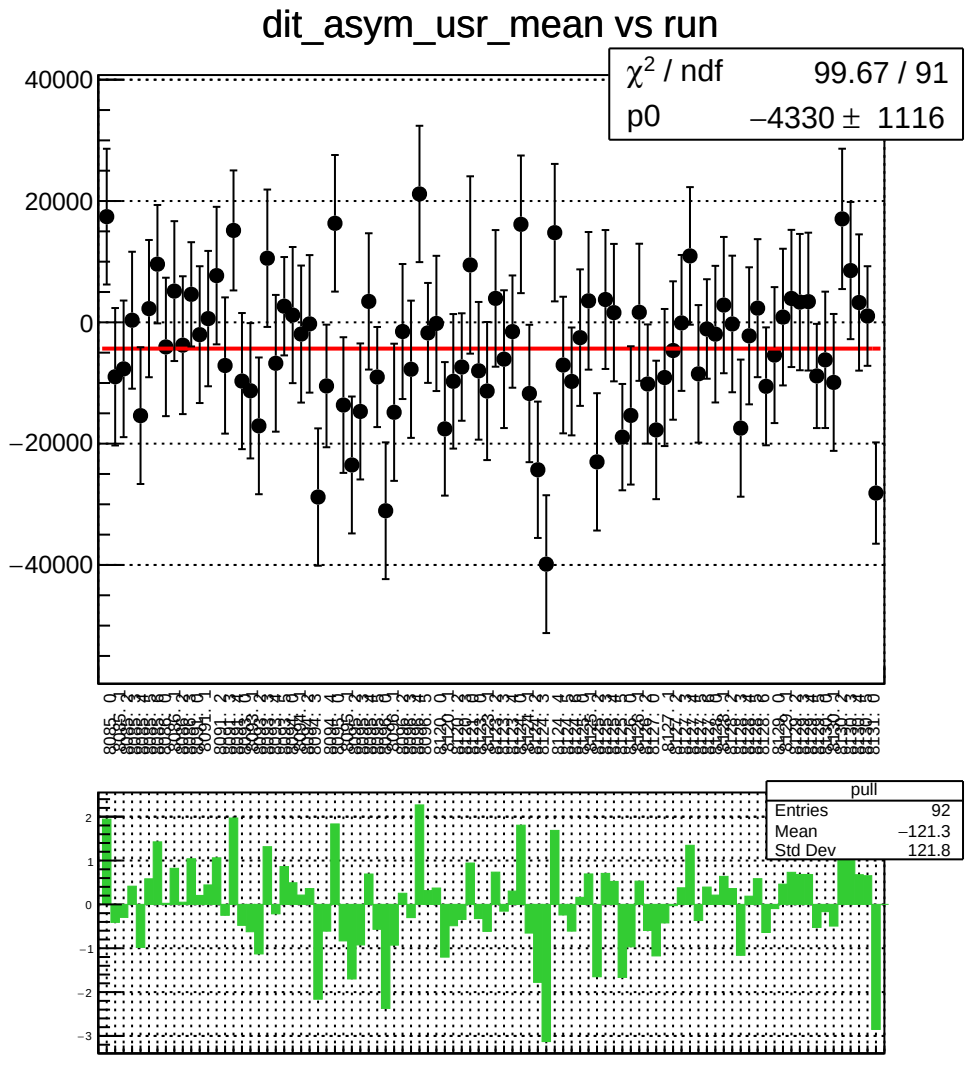

asym_usl_correction_mean vs run
χ² / ndf 86.8 / 91
p0 966.4 ± 801.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −444.9
Std Dev 495
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.006346
Std Dev 0.9713
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

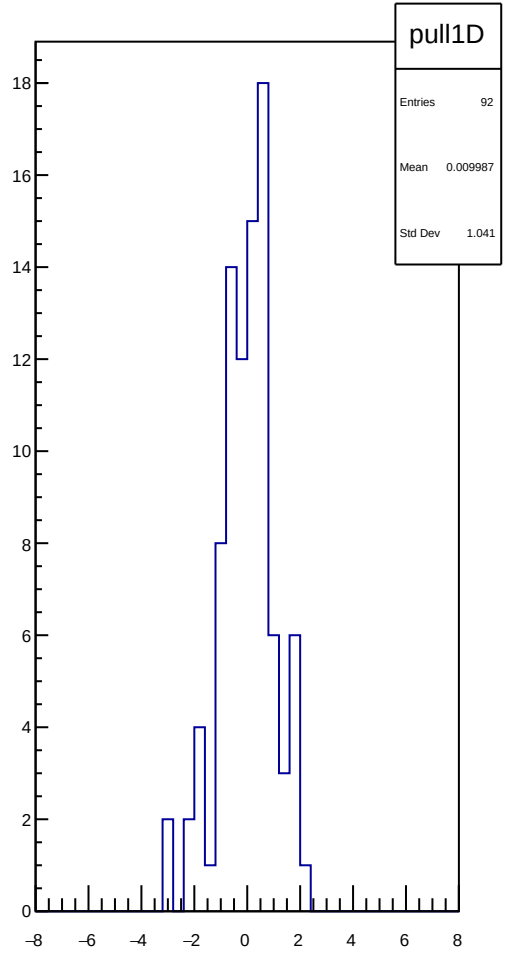

asym_usl_correction_rms vs run
χ² / ndf 7033 / 91
p0 768.3 ± 0.567
900
850
800
750
700

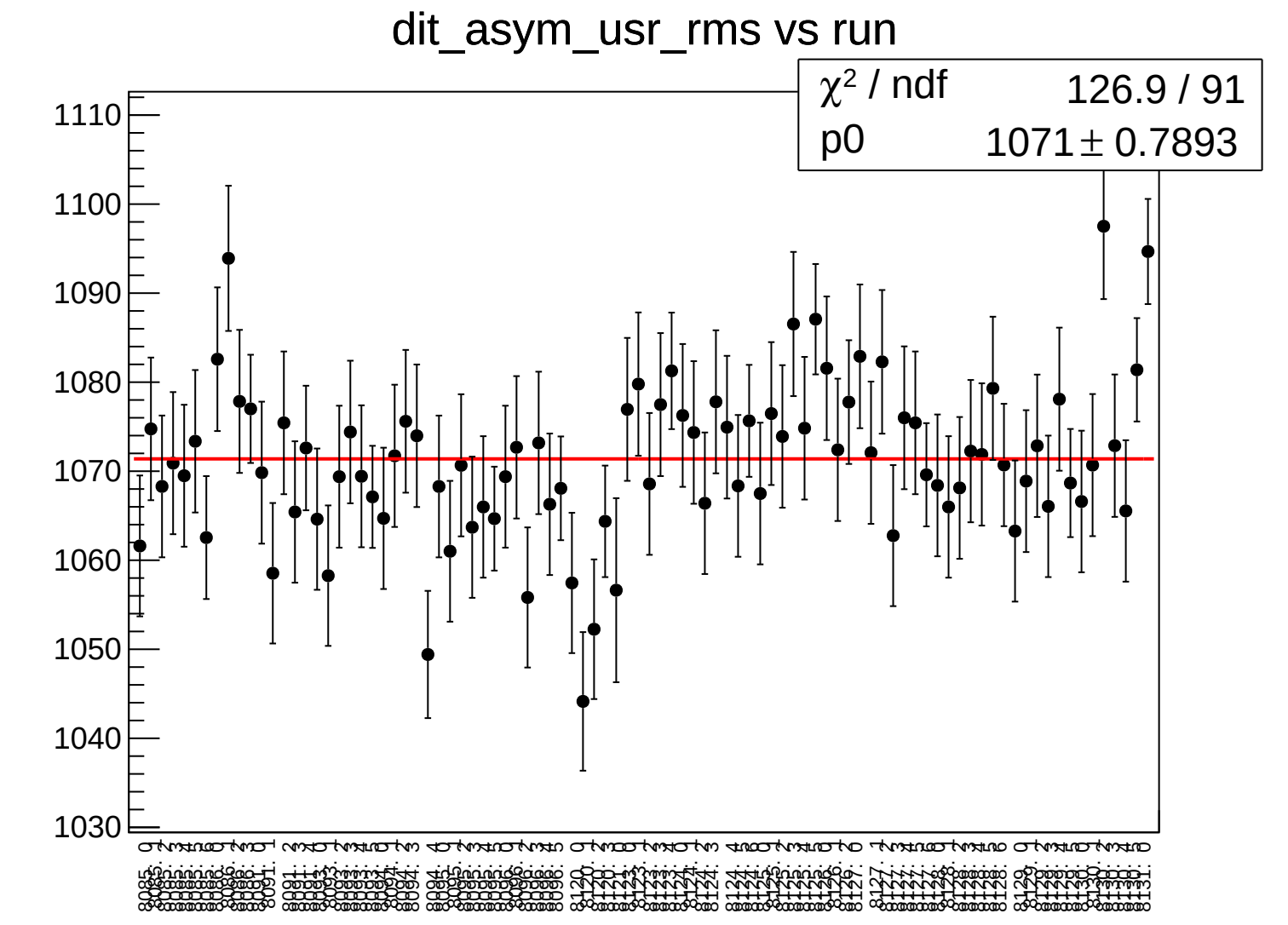

asym_usl_mean vs run
χ² / ndf 77.03 / 91
p0 −3618 ± 1379
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −419.3
Std Dev 480.7
2
1
0
−1
−2

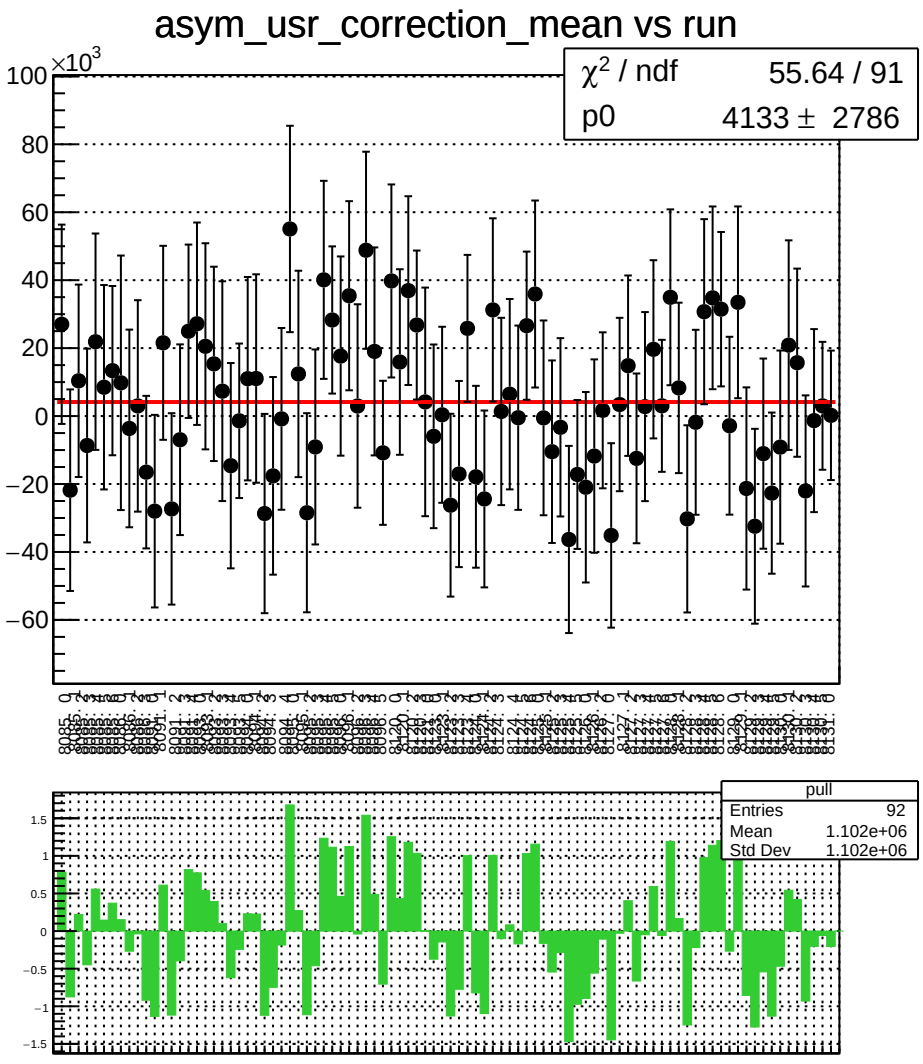

pull1D
Entries 92
Mean −0.005226
Std Dev 0.915
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

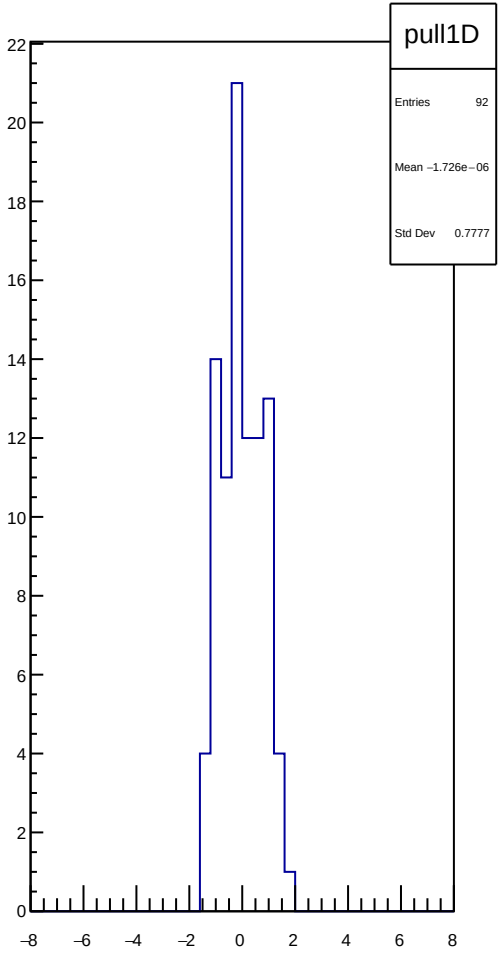

asym_usl_rms vs run
χ² / ndf 763.1 / 91
p0 1324 ± 0.9754
1450
1400
1350
1300
1250

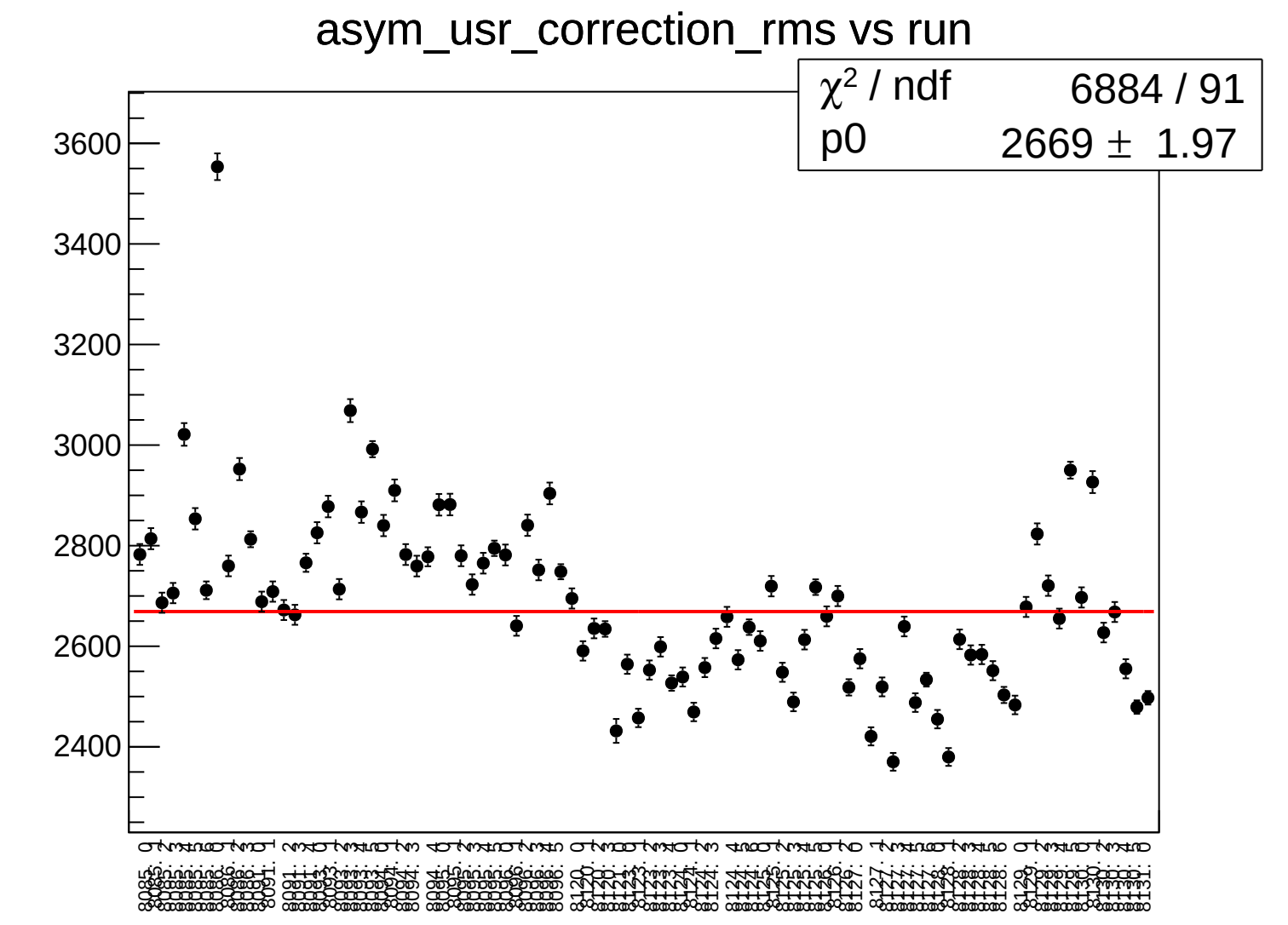

dit_asym_usr_mean vs run
χ² / ndf 99.67 / 91
p0 −4330 ± 1116
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −121.3
Std Dev 121.8
2
1
0
−1
−2
−3

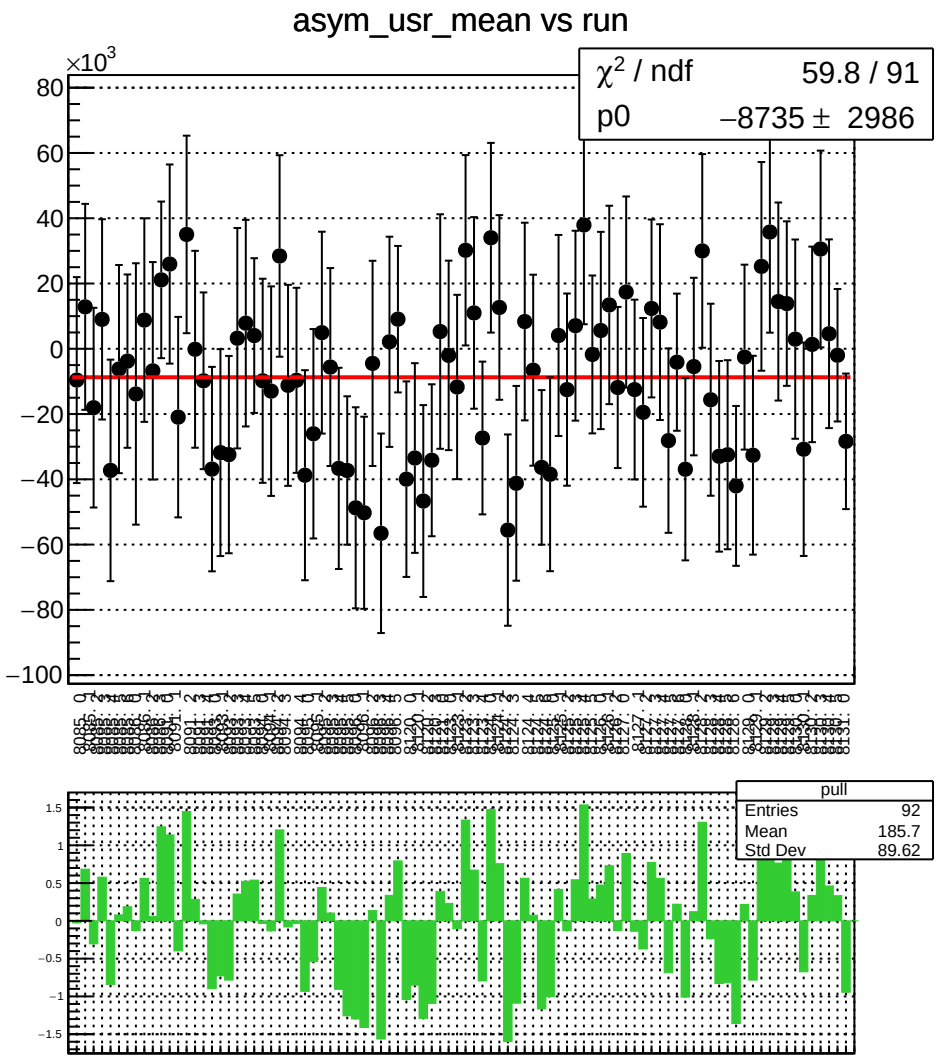

pull1D
Entries 92
Mean 0.009987
Std Dev 1.041
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

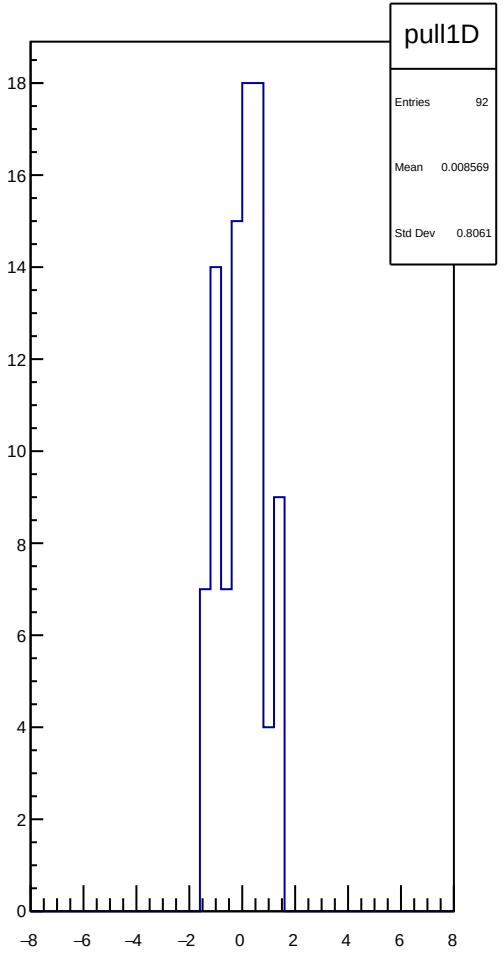

dit_asym_usr_rms vs run
χ² / ndf 126.9 / 91
p0 1071 ± 0.7893
1110
1100
1090
1080
1070
1060
1050
1040
1030

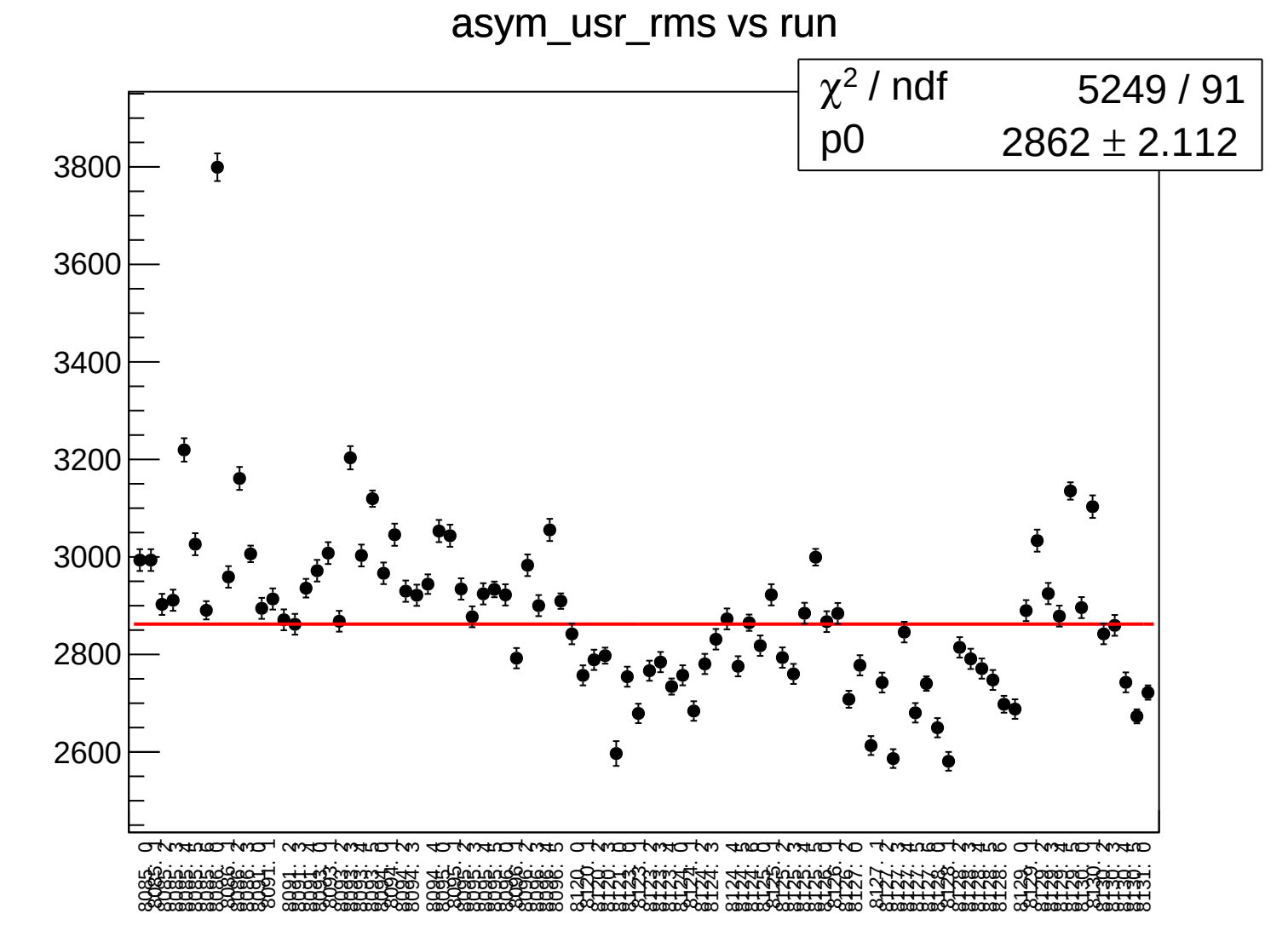

asym_usr_correction_mean vs run
χ² / ndf 55.64 / 91
p0 4133 ± 2786
×10³
pull
Entries 92
Mean 1.102e+06
Std Dev 1.102e+06

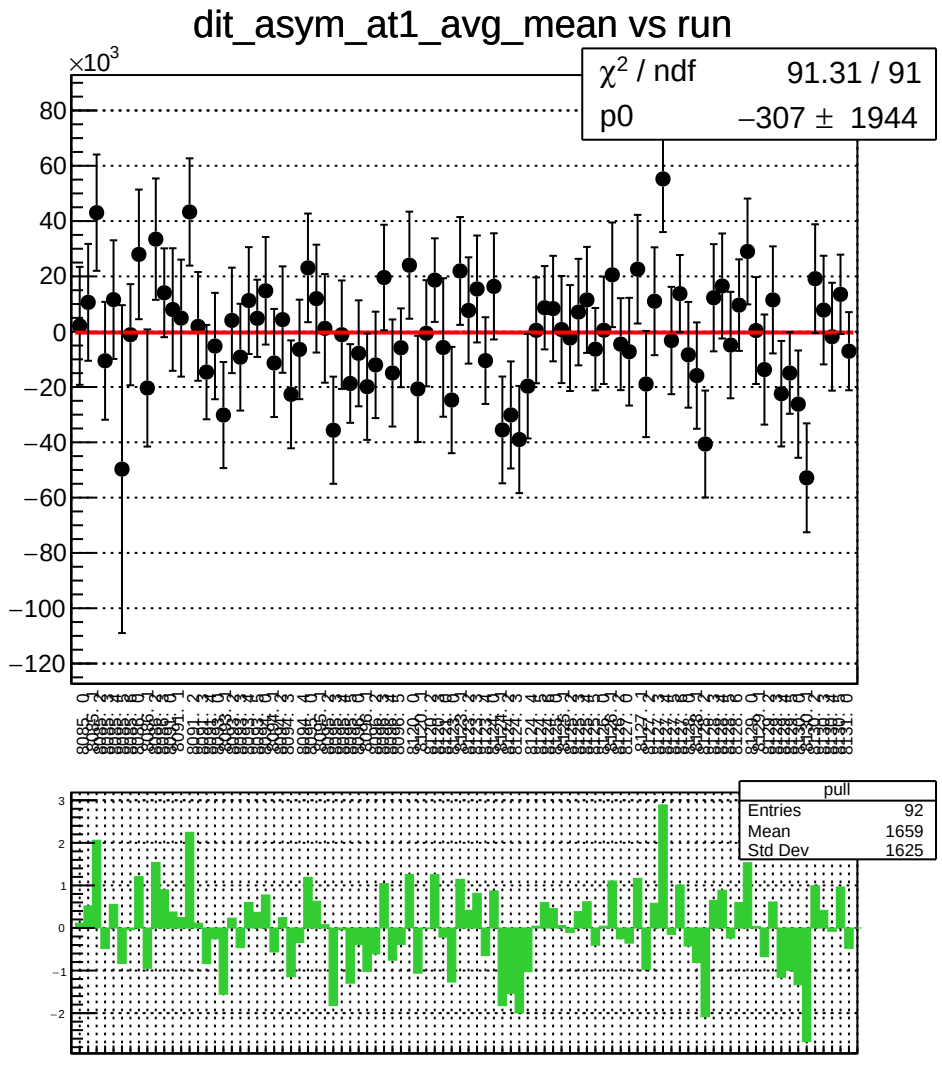

pull1D
Entries 92
Mean −1.726e−06
Std Dev 0.7777

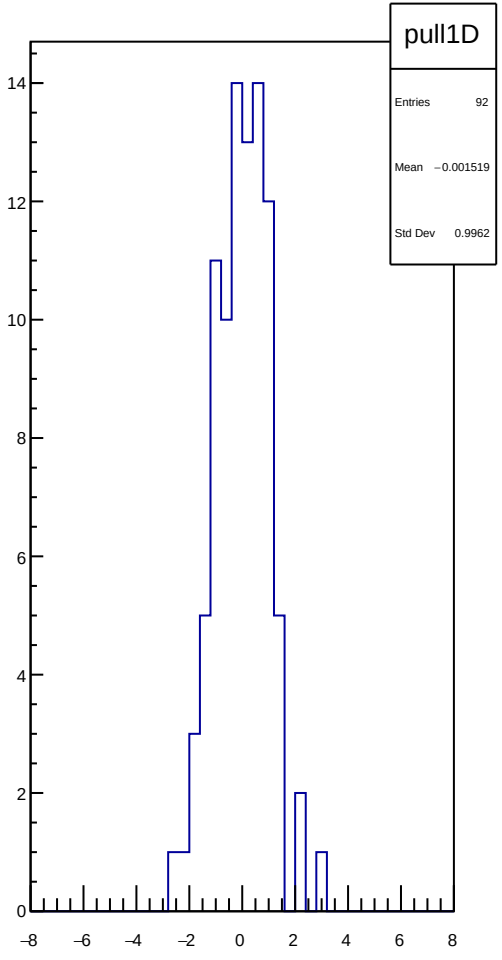

asym_usr_correction_rms vs run
χ² / ndf 6884 / 91
p0 2669 ± 1.97
3600
3400
3200
3000
2800
2600
2400

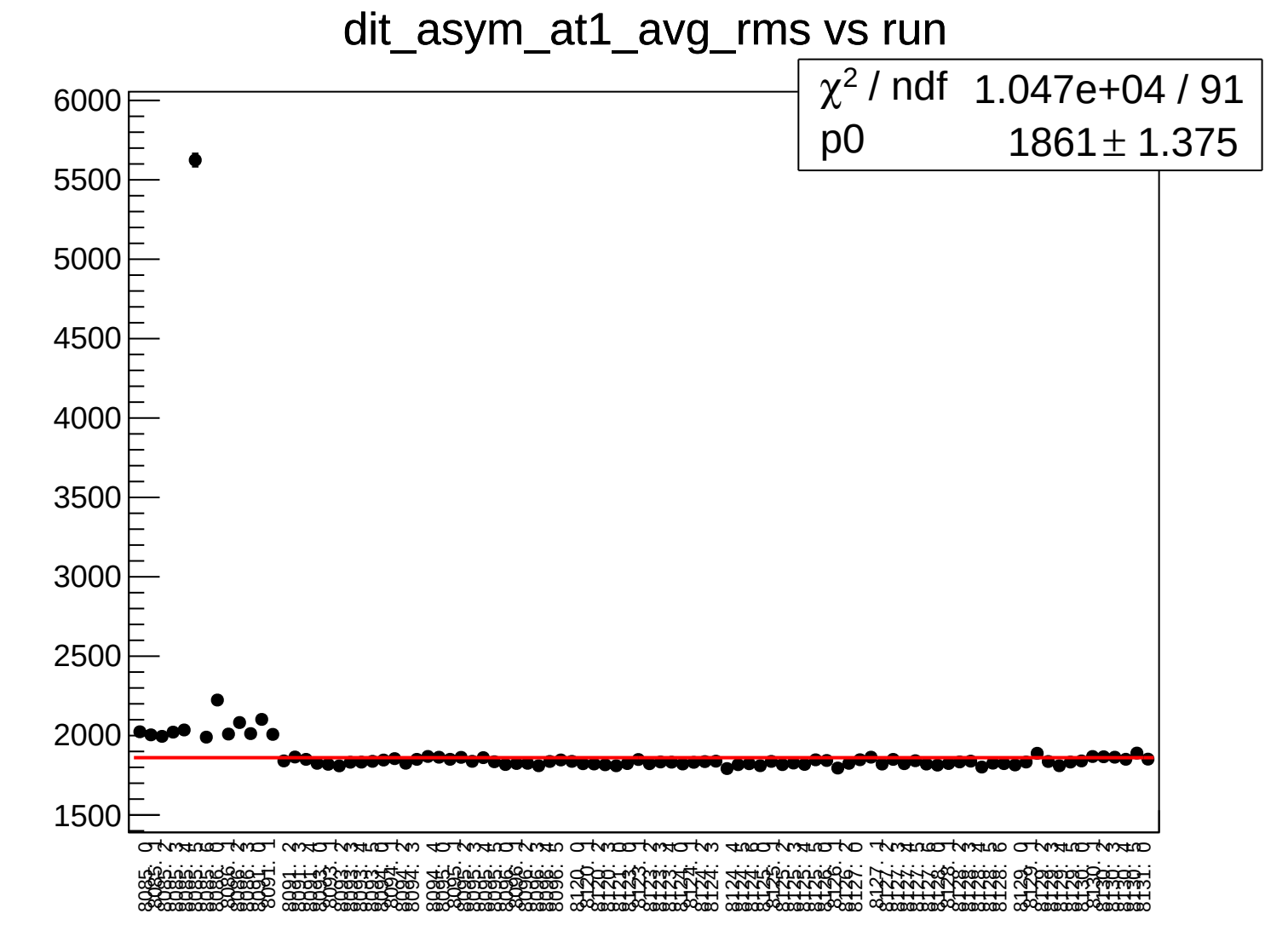

asym_usr_mean vs run
×10^3
χ² / ndf 59.8 / 91
p0 −8735 ± 2986
pull
Entries 92
Mean 185.7
Std Dev 89.62

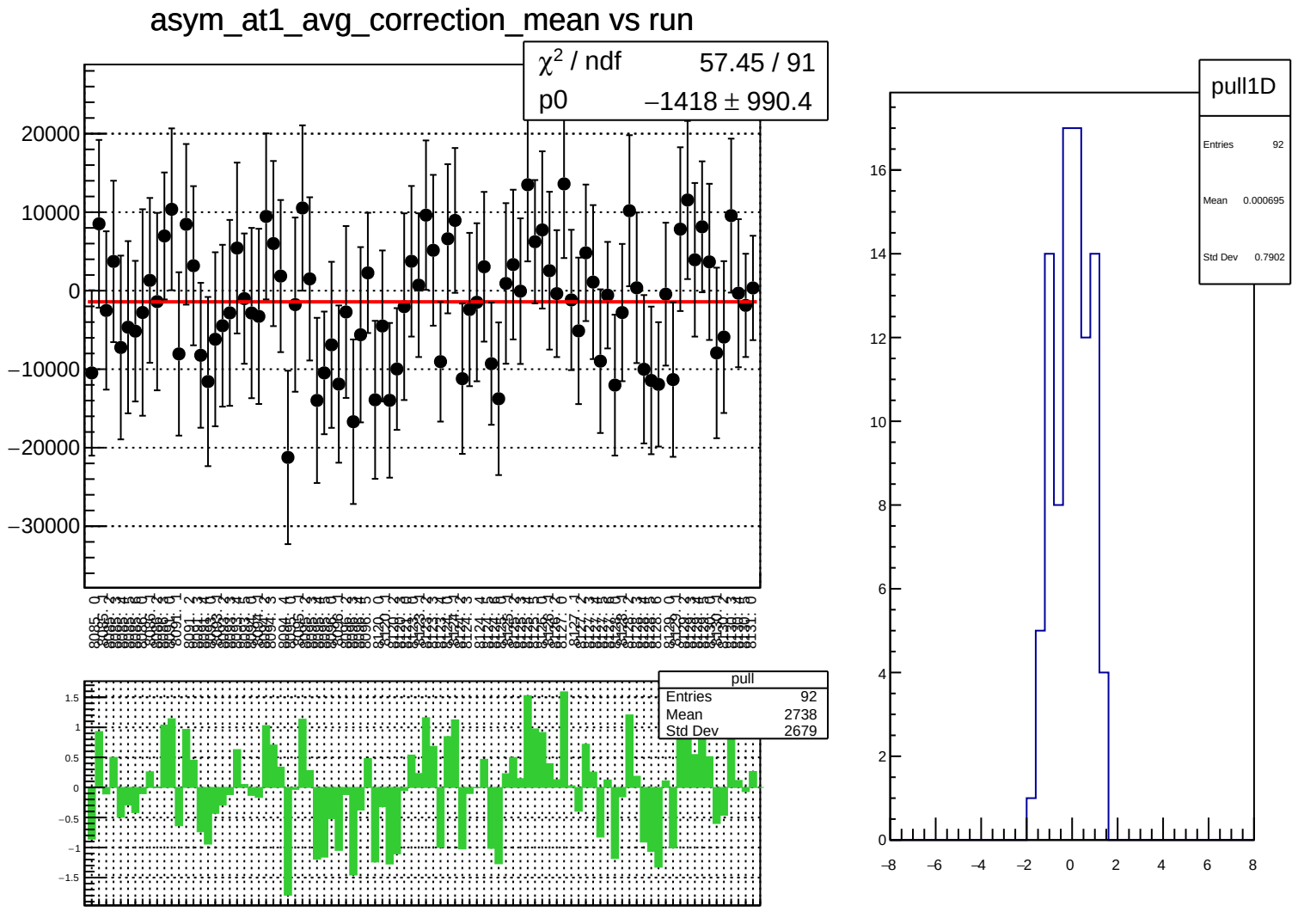

pull1D
Entries 92
Mean 0.008569
Std Dev 0.8061

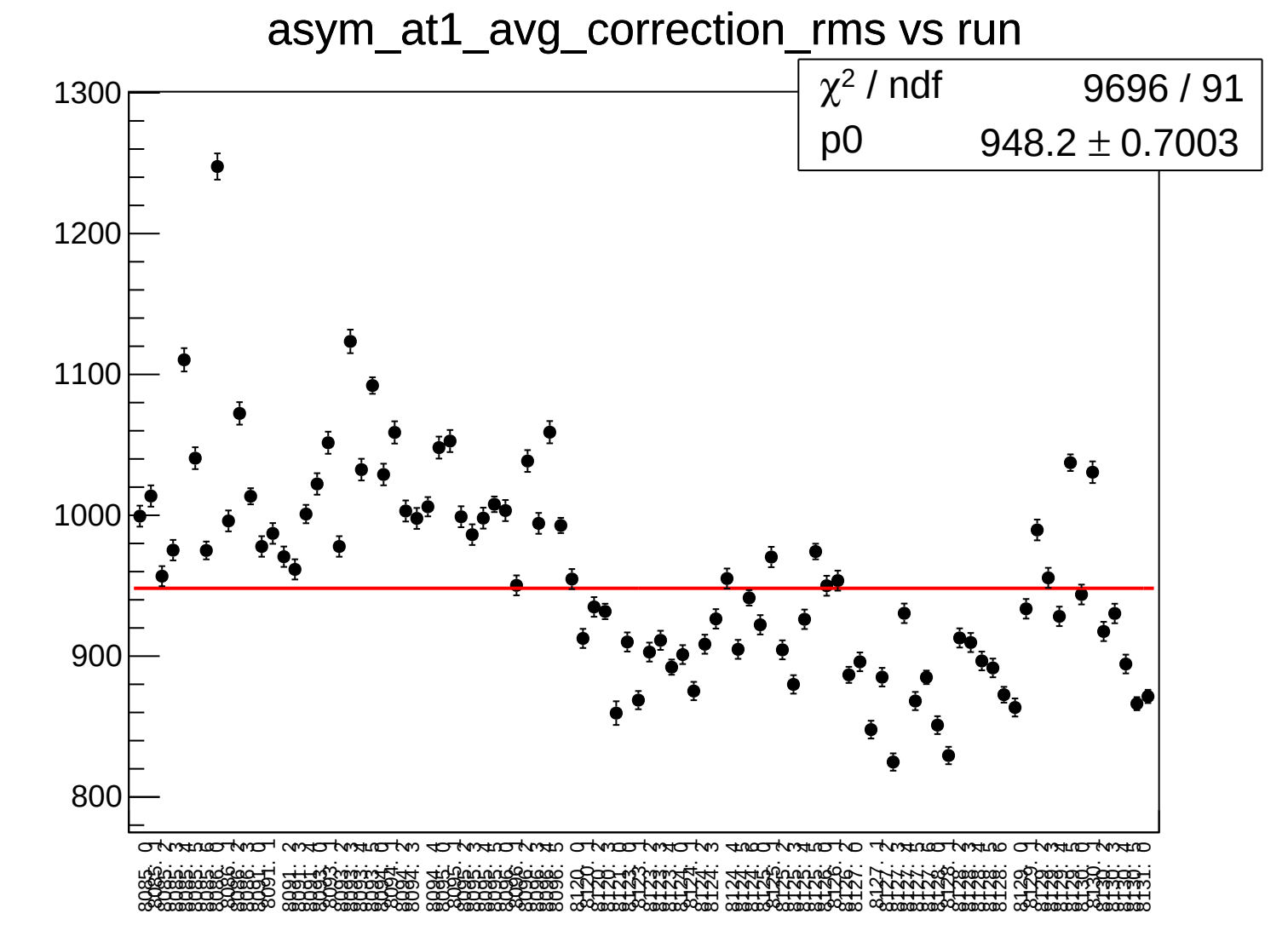

asym_usr_rms vs run
χ^2 / ndf 5249 / 91
p0 2862 ± 2.112
3800
3600
3400
3200
3000
2800
2600

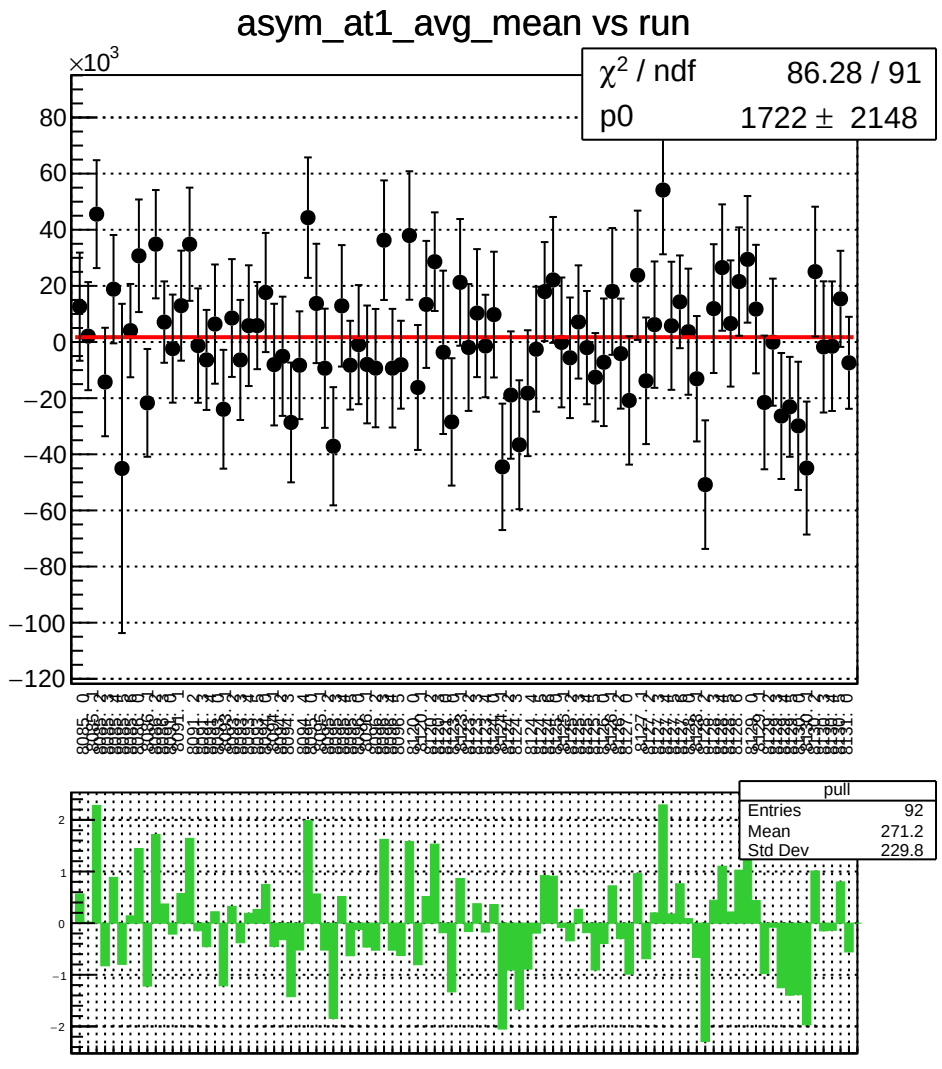

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 91.31 / 91
p0 −307 ± 1944
pull
Entries 92
Mean 1659
Std Dev 1625

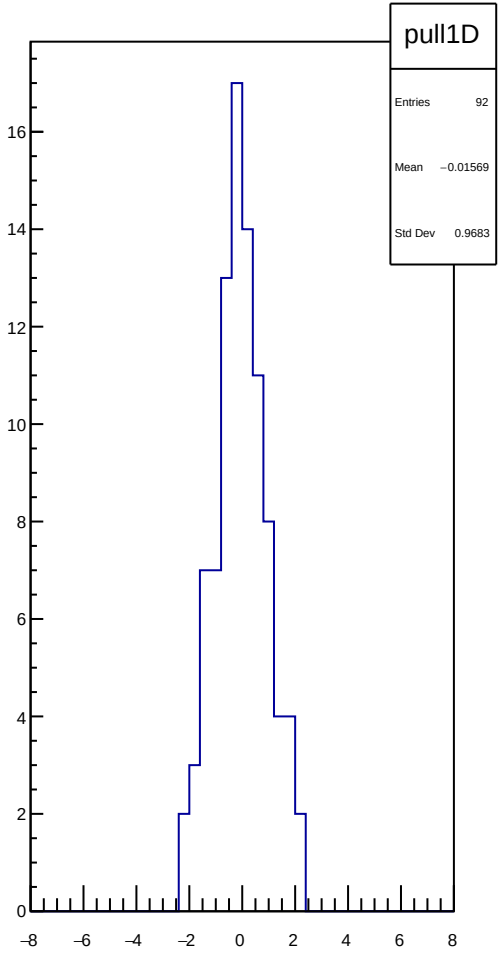

pull1D
Entries 92
Mean −0.001519
Std Dev 0.9962

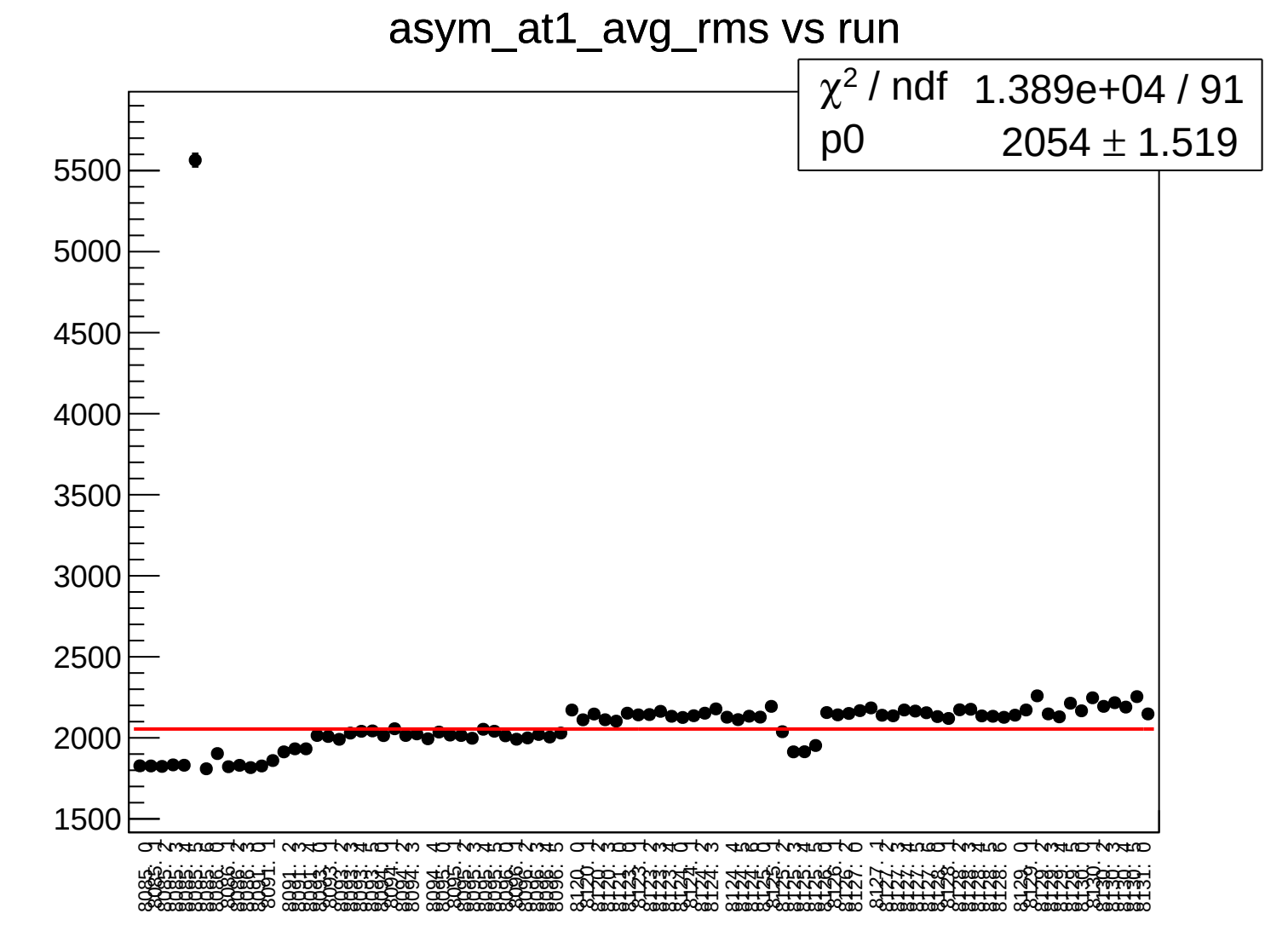

dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.047e+04 / 91
p0 1861 ± 1.375
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

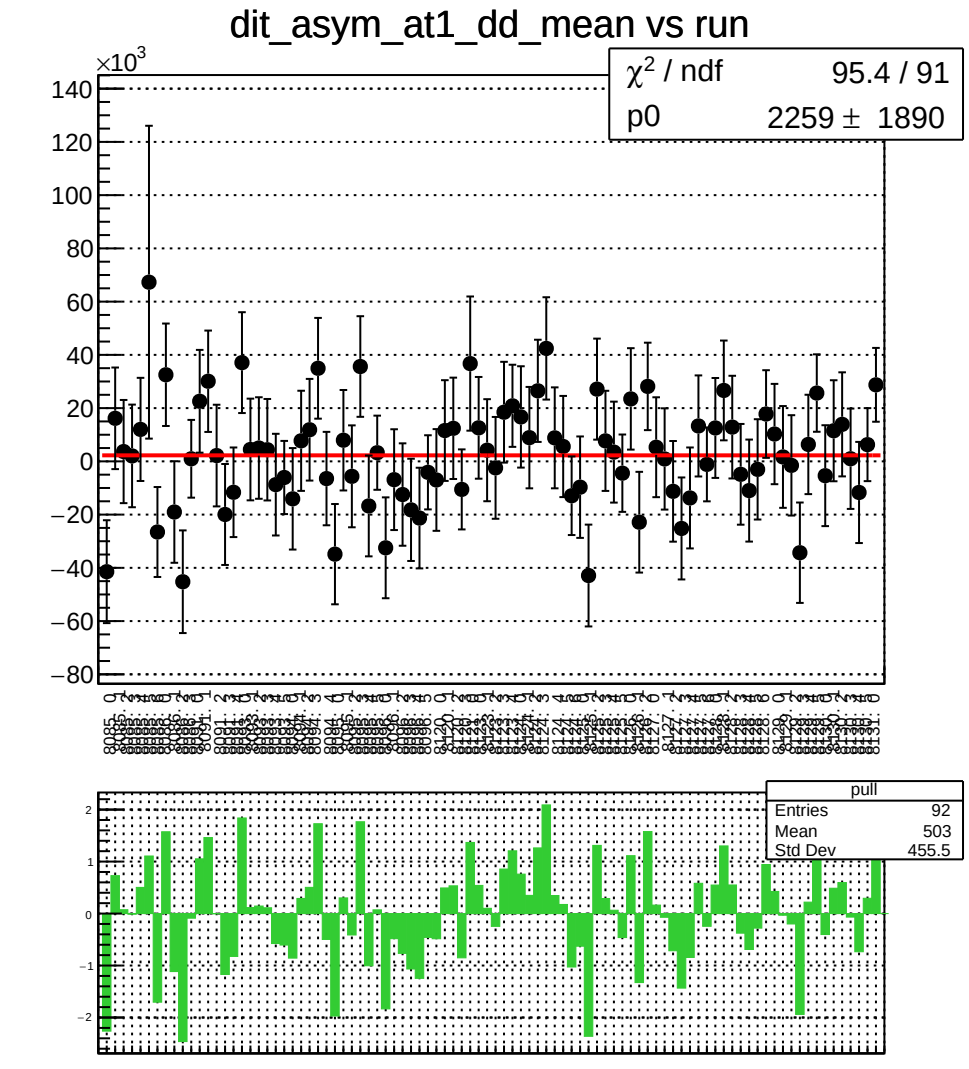

asym_at1_avg_correction_mean vs run
χ² / ndf 57.45 / 91
p0 −1418 ± 990.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 2738
Std Dev 2679
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean 0.000695
Std Dev 0.7902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

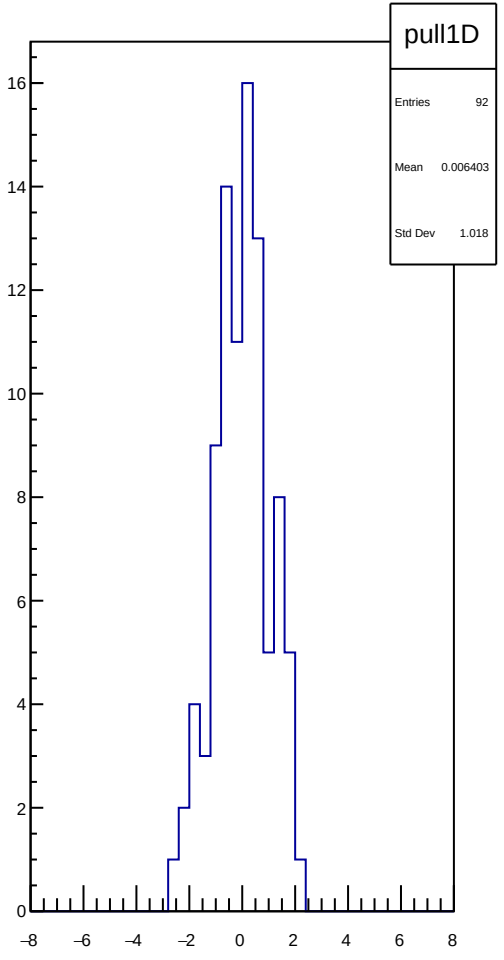

asym_at1_avg_correction_rms vs run
χ² / ndf 9696 / 91
p0 948.2 ± 0.7003
1300
1200
1100
1000
900
800

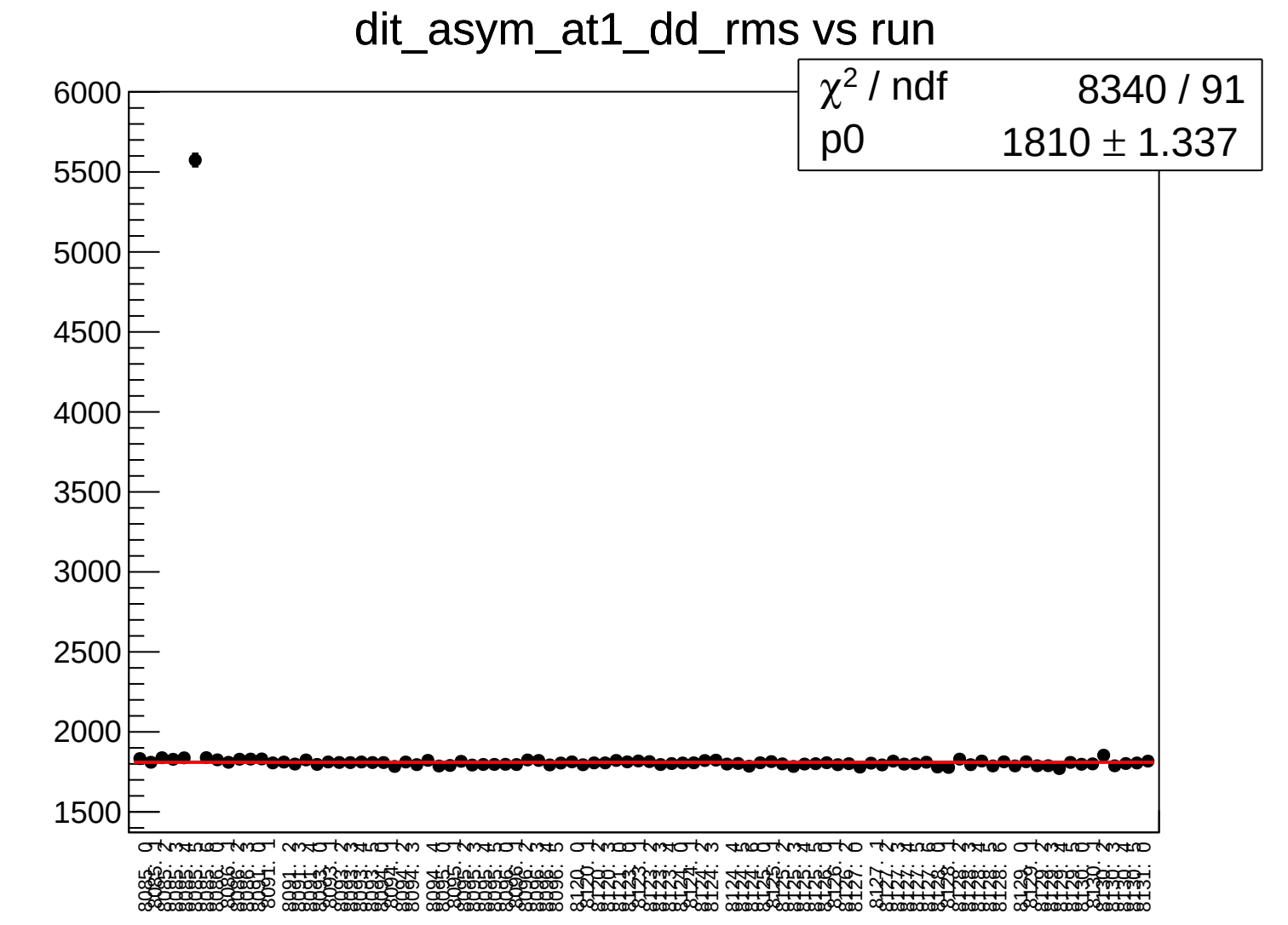

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 86.28 / 91
p0 1722 ± 2148
pull
Entries 92
Mean 271.2
Std Dev 229.8

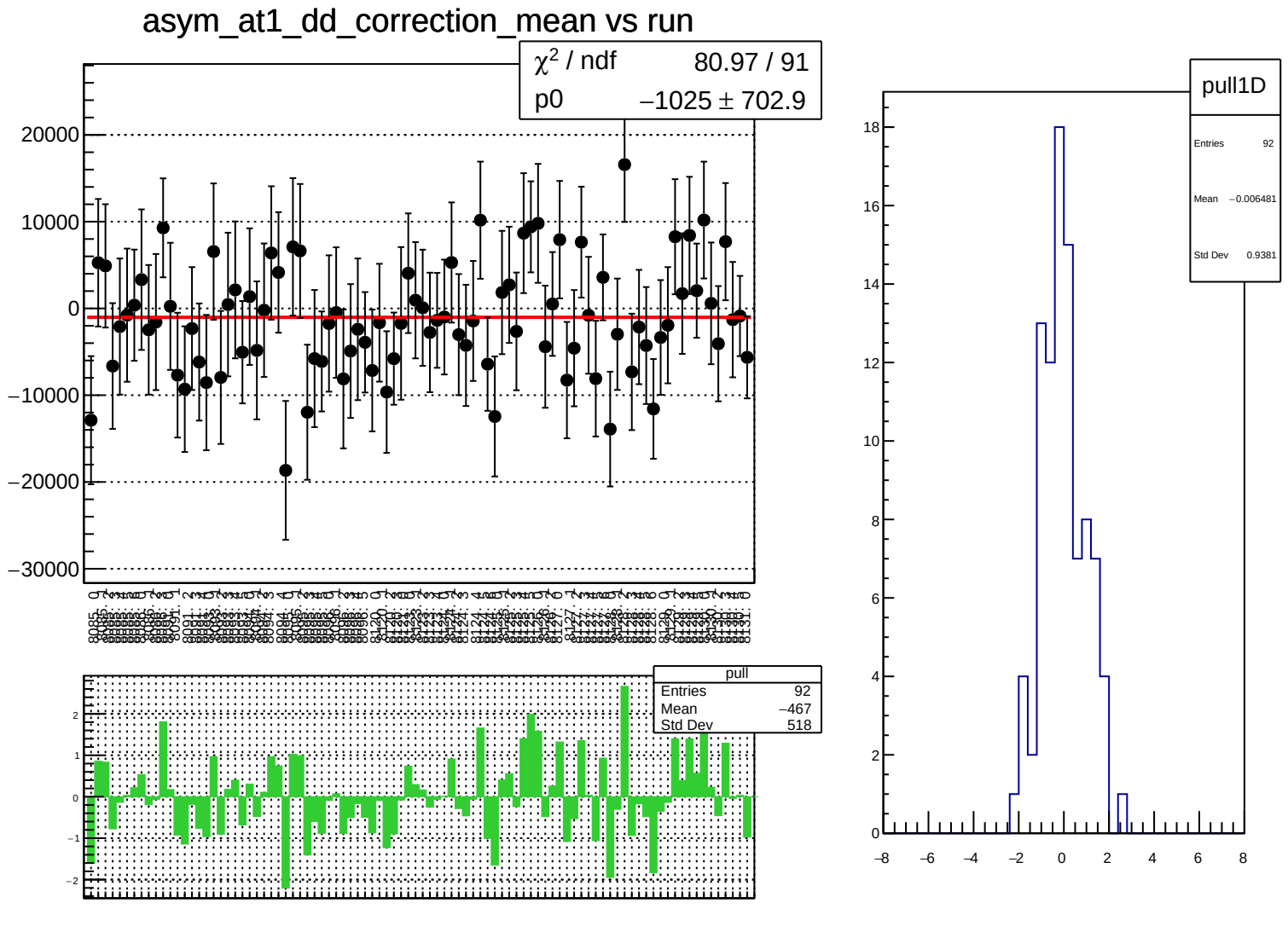

pull1D
Entries 92
Mean −0.01569
Std Dev 0.9683

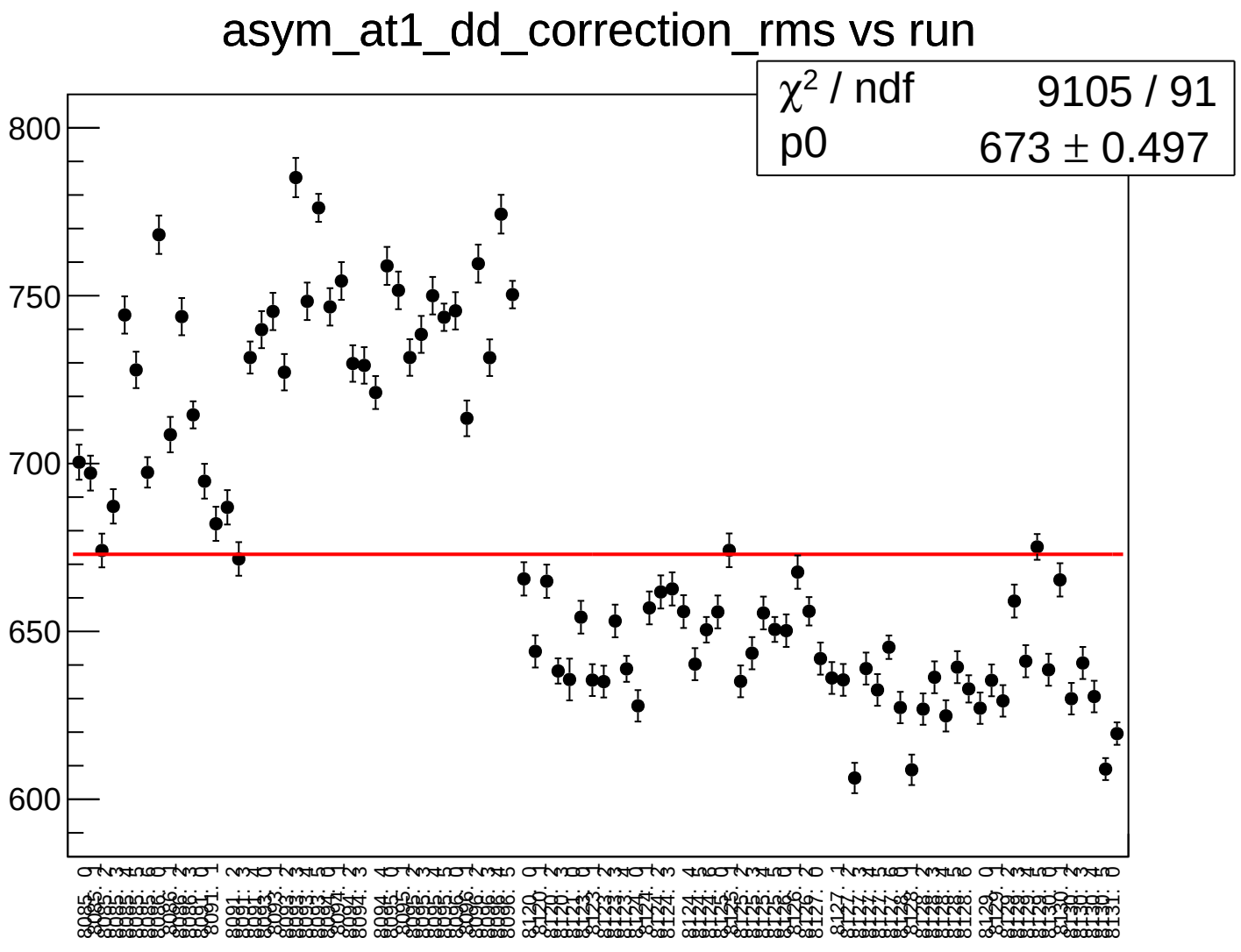

asym_at1_avg_rms vs run
χ² / ndf 1.389e+04 / 91
p0 2054 ± 1.519
5500
5000
4500
4000
3500
3000
2500
2000
1500

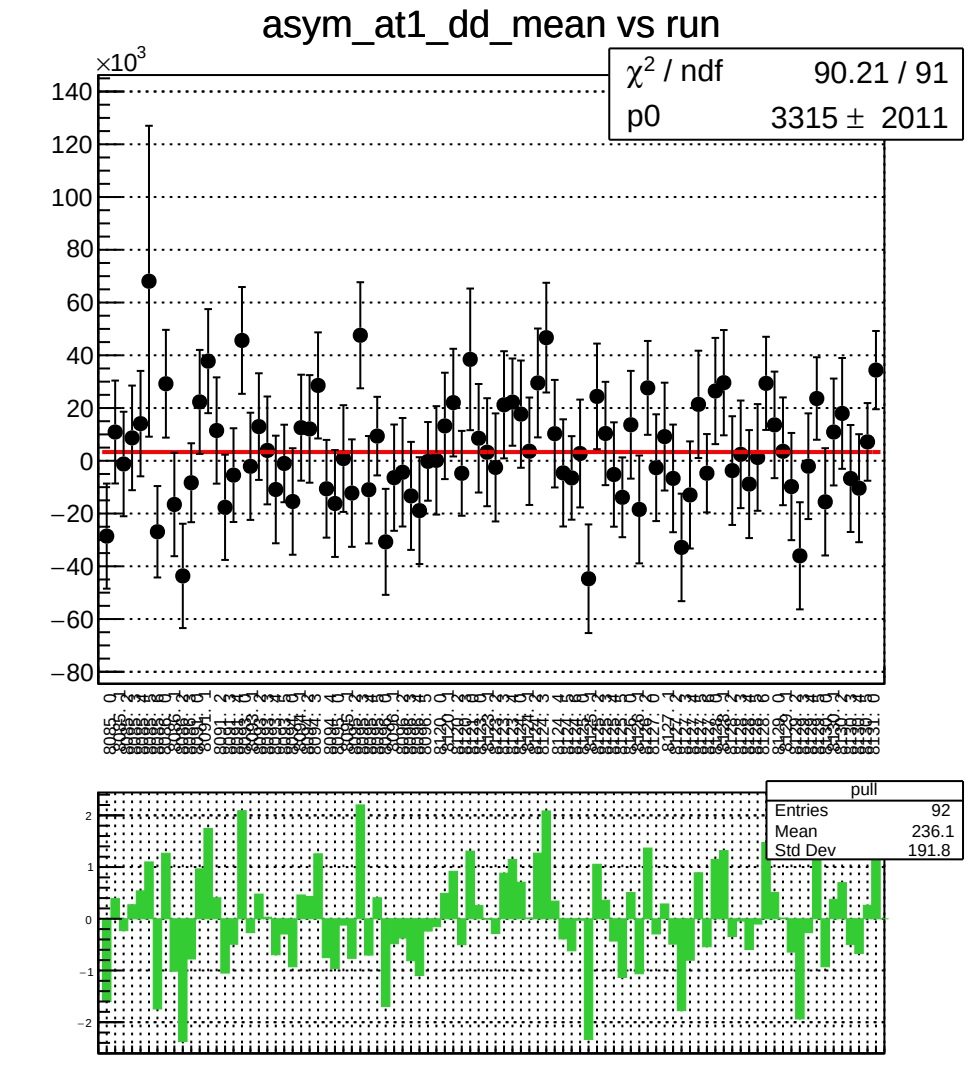

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 95.4 / 91
p0 2259 ± 1890
pull
Entries 92
Mean 503
Std Dev 455.5

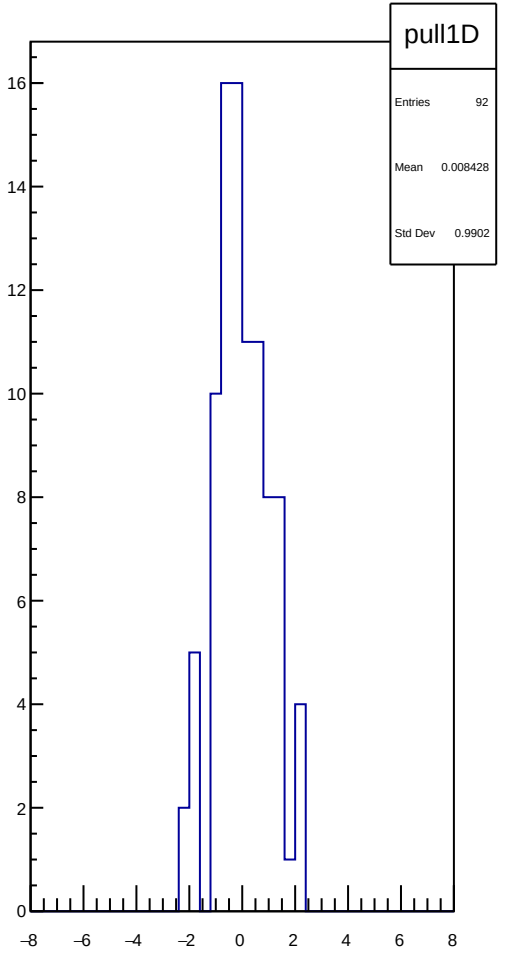

pull1D
Entries 92
Mean 0.006403
Std Dev 1.018

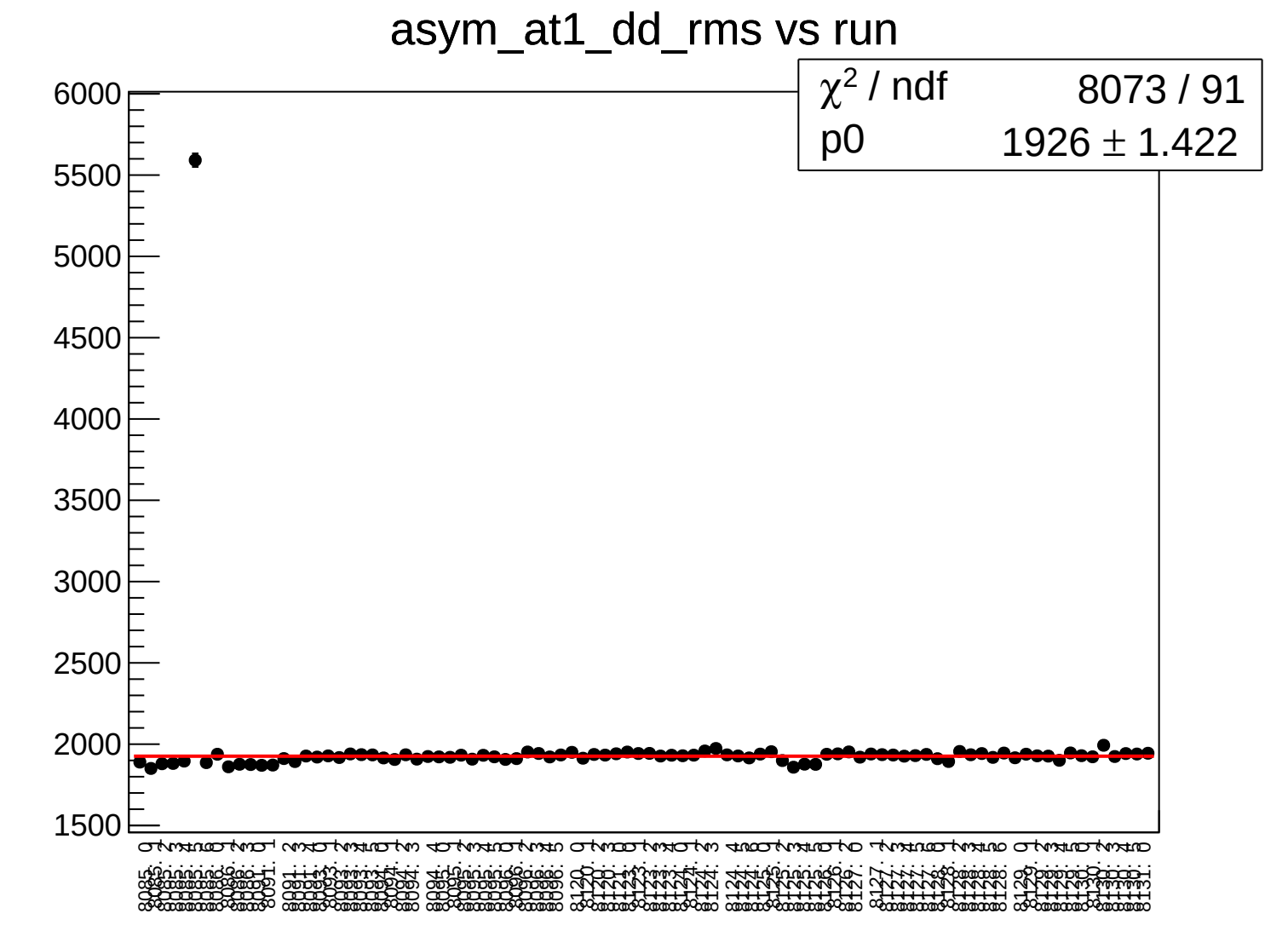

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8340 / 91
p0 1810 ± 1.337
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

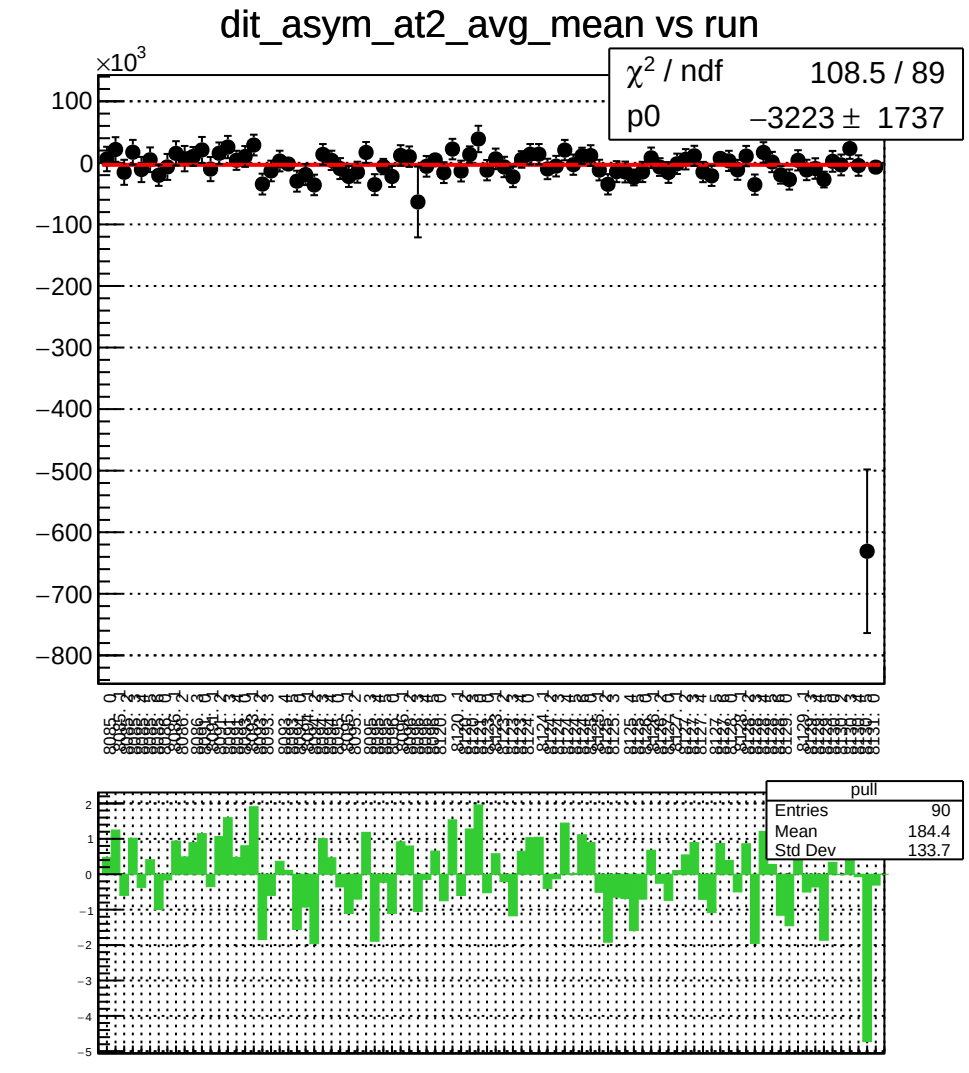

asym_at1_dd_correction_mean vs run
χ² / ndf 80.97 / 91
p0 −1025 ± 702.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −467
Std Dev 518
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.006481
Std Dev 0.9381
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

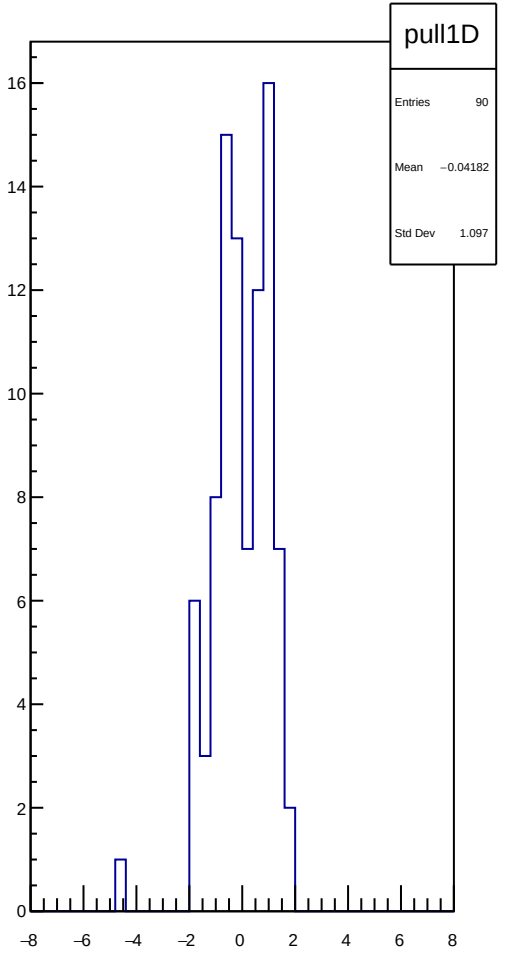

asym_at1_dd_correction_rms vs run
χ² / ndf 9105 / 91
p0 673 ± 0.497
800
750
700
650
600

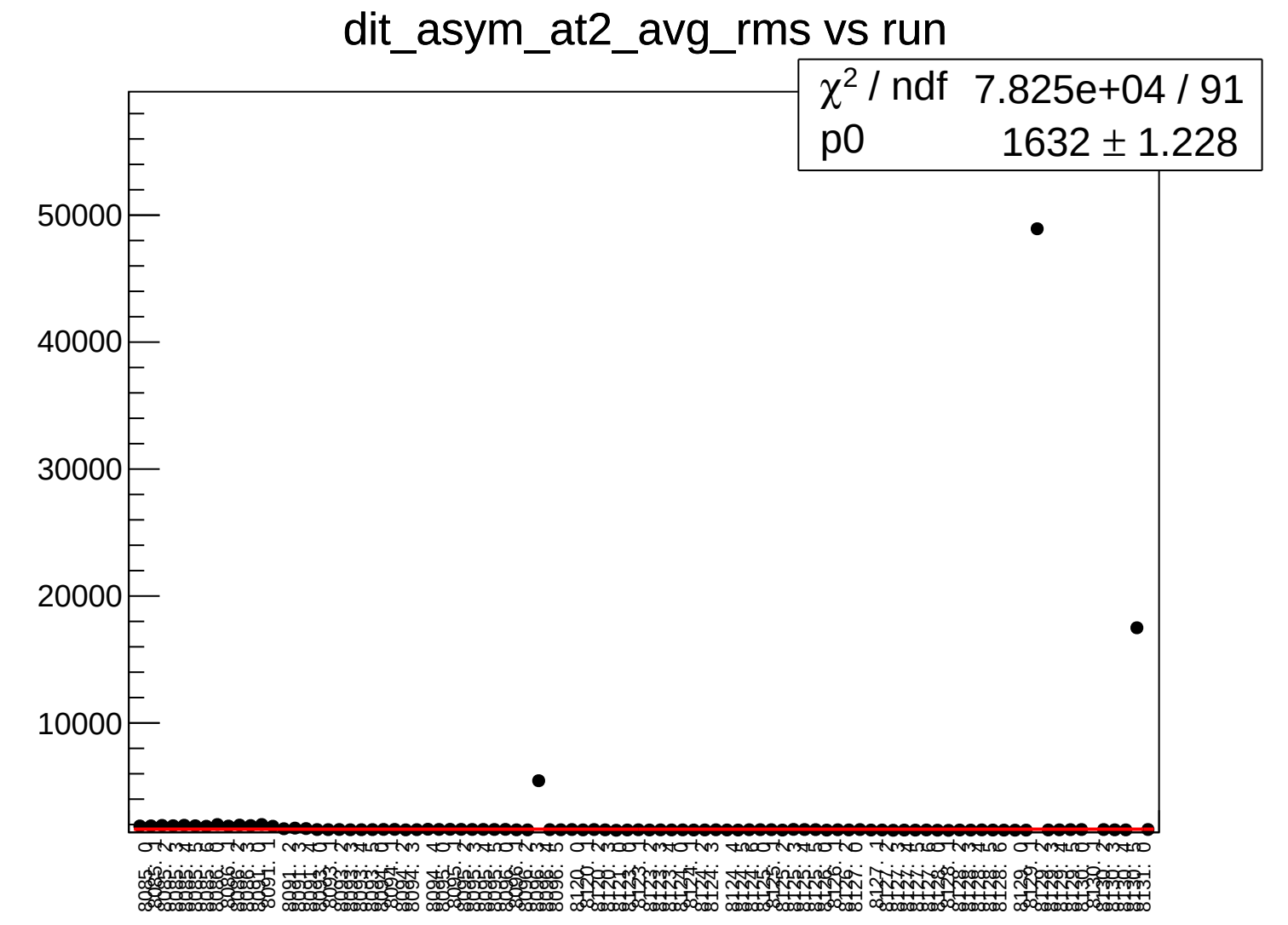

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 90.21 / 91
p0 3315 ± 2011
pull
Entries 92
Mean 236.1
Std Dev 191.8

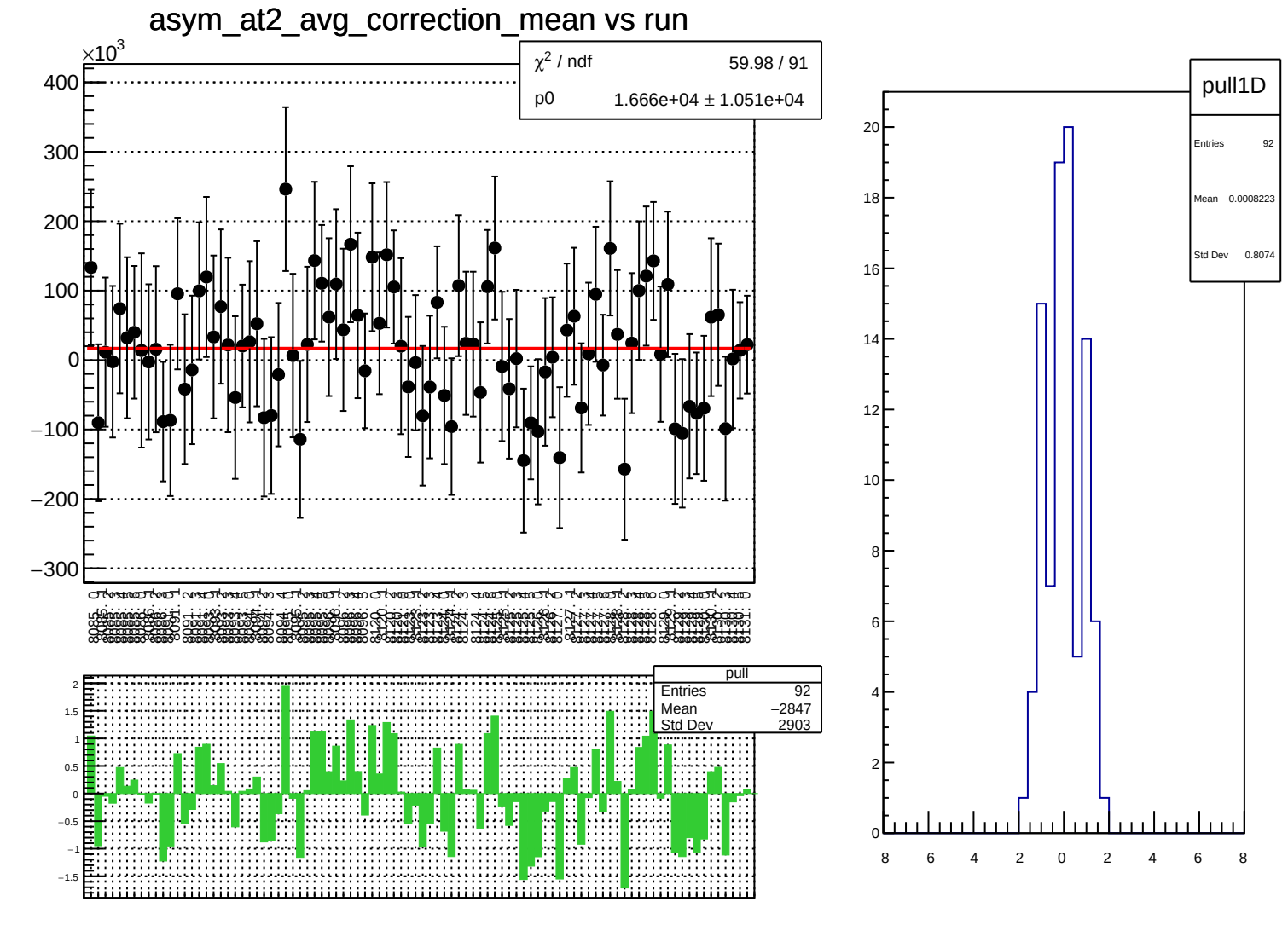

pull1D
Entries 92
Mean 0.008428
Std Dev 0.9902

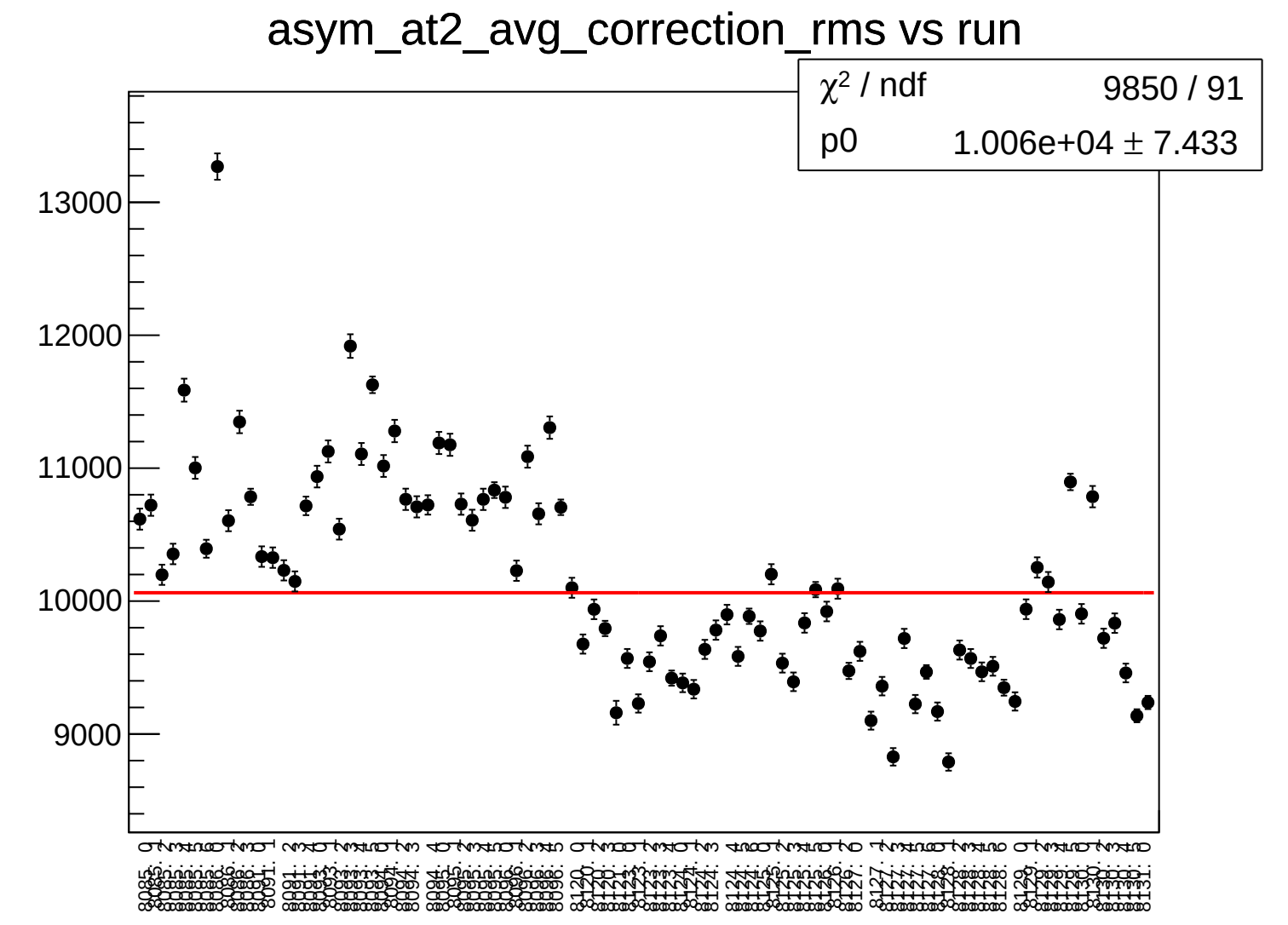

asym_at1_dd_rms vs run
χ^2 / ndf 8073 / 91
p0 1926 ± 1.422
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

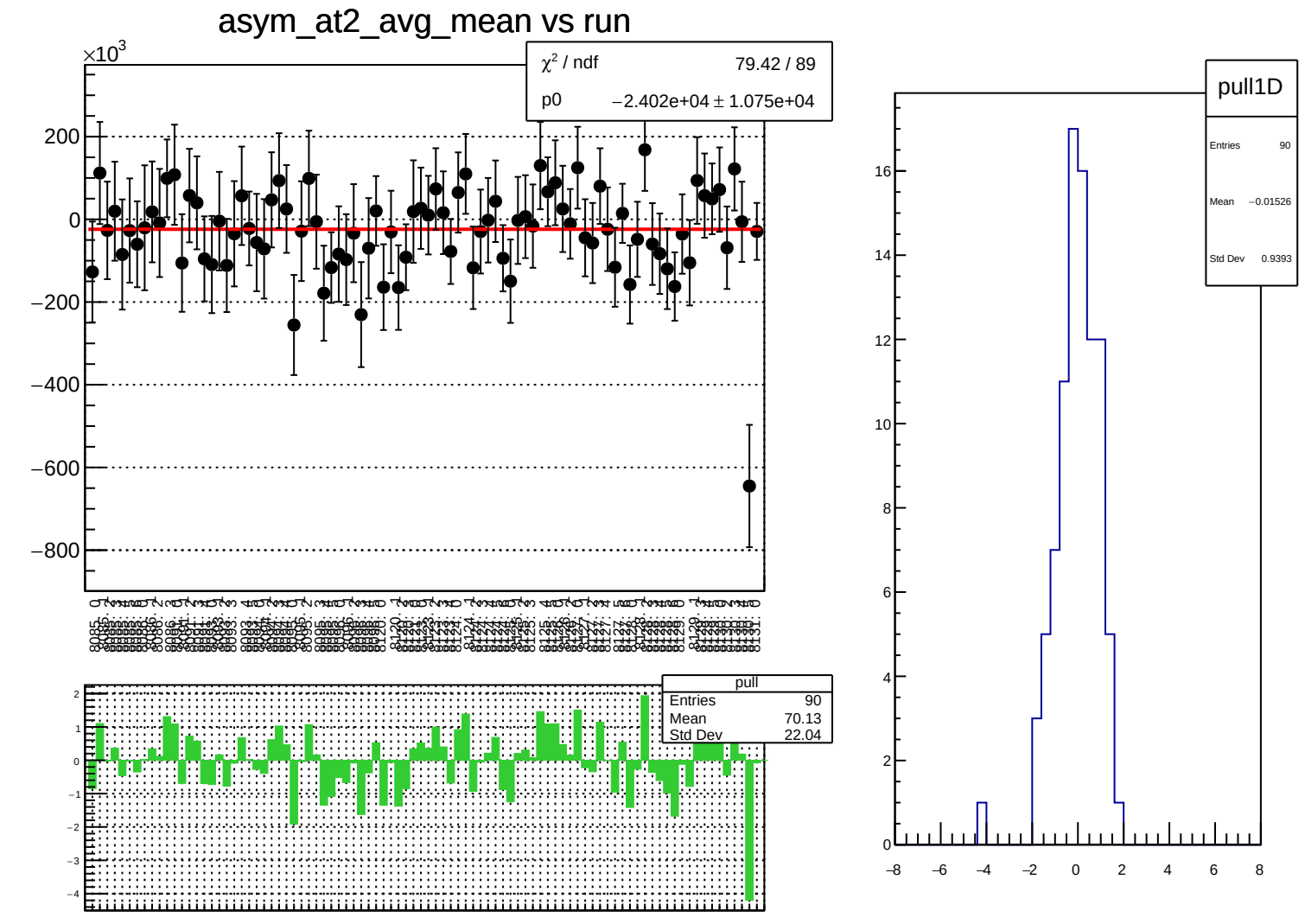

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 108.5 / 89
p0 −3223 ± 1737
pull
Entries 90
Mean 184.4
Std Dev 133.7

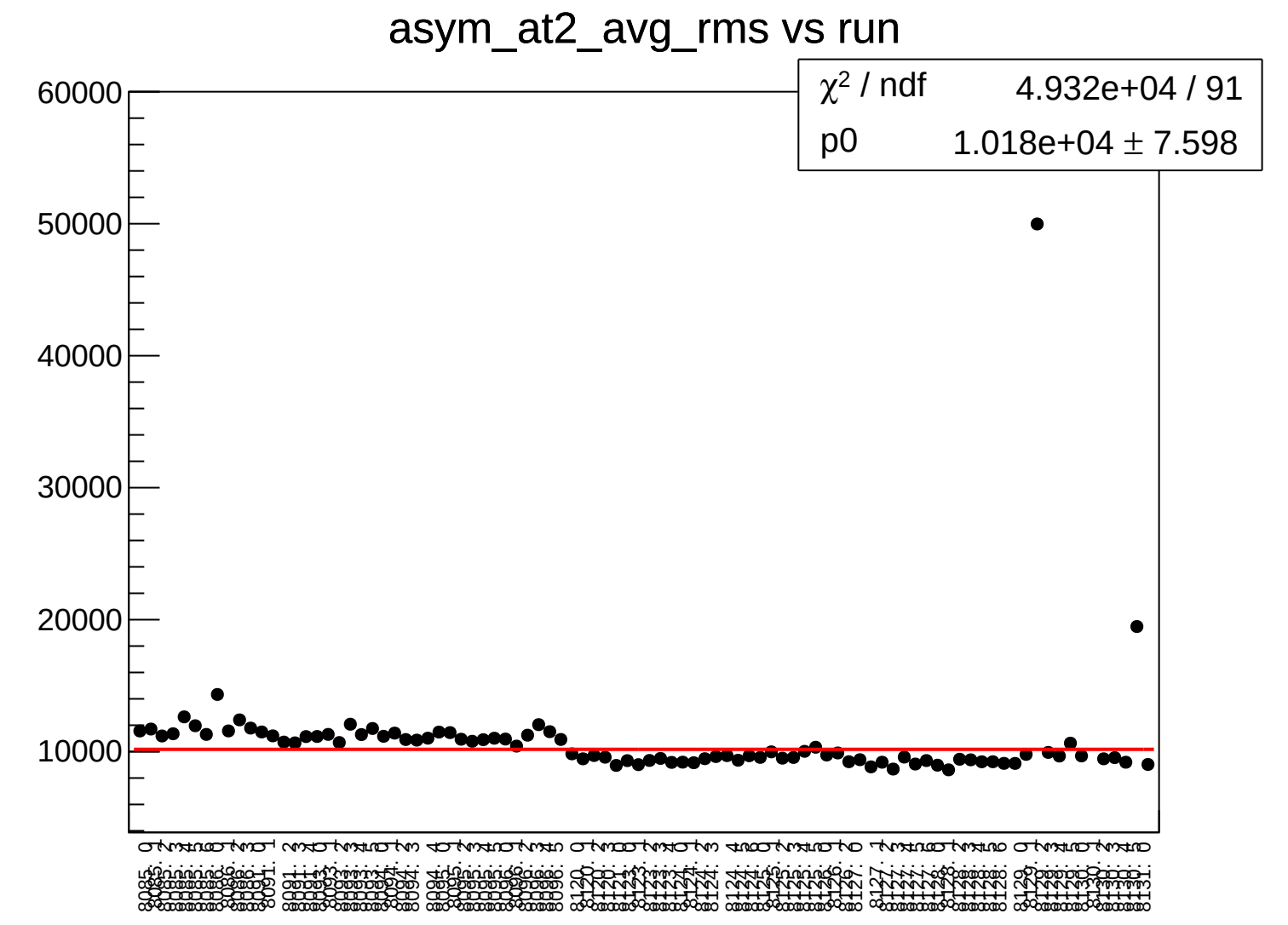

pull1D
Entries 90
Mean −0.04182
Std Dev 1.097

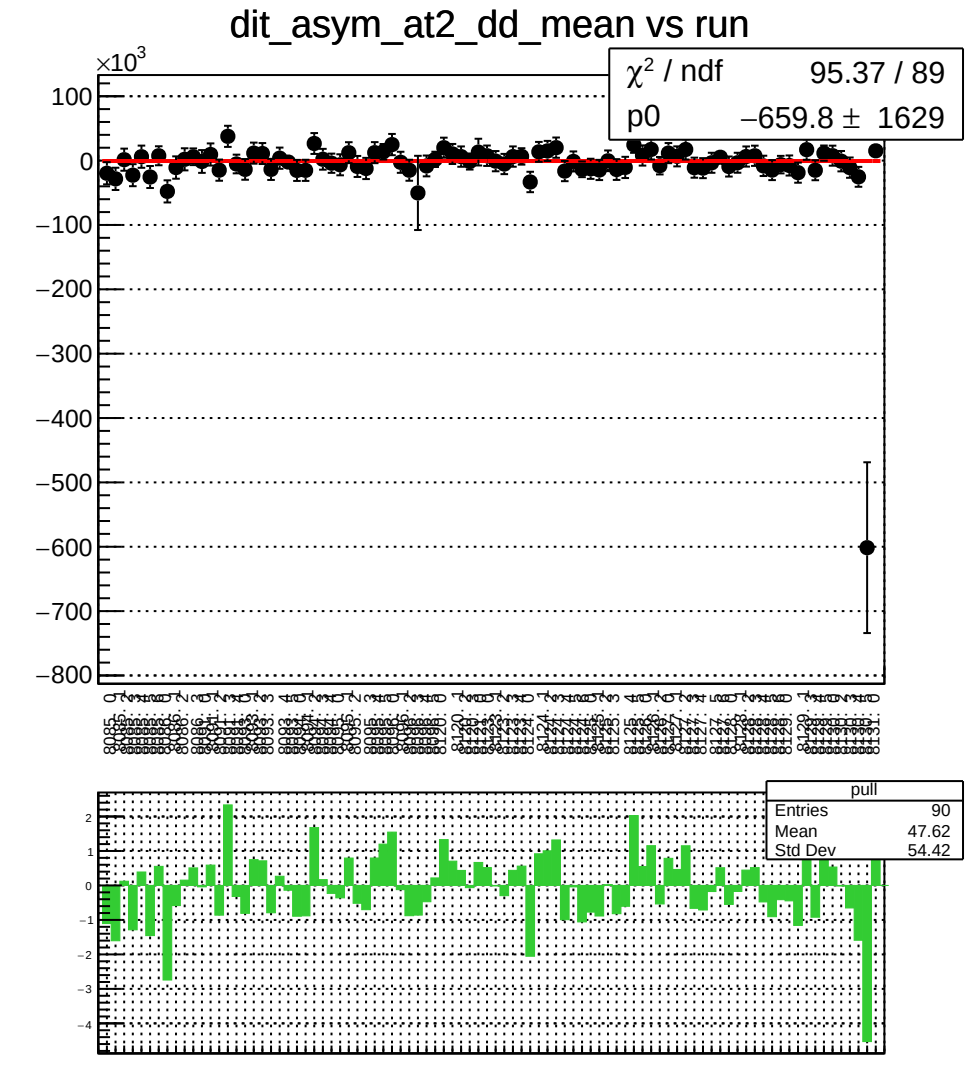

dit_asym_at2_avg_rms vs run
χ^2 / ndf 7.825e+04 / 91
p0 1632 ± 1.228
50000
40000
30000
20000
10000

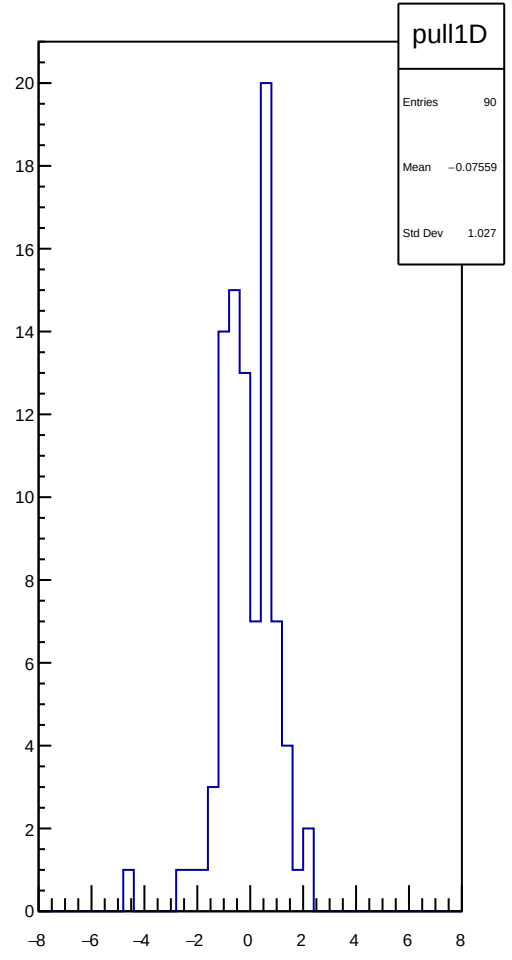

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 59.98 / 91
p0 1.666e+04 ± 1.051e+04
pull
Entries 92
Mean −2847
Std Dev 2903
pull1D
Entries 92
Mean 0.0008223
Std Dev 0.8074

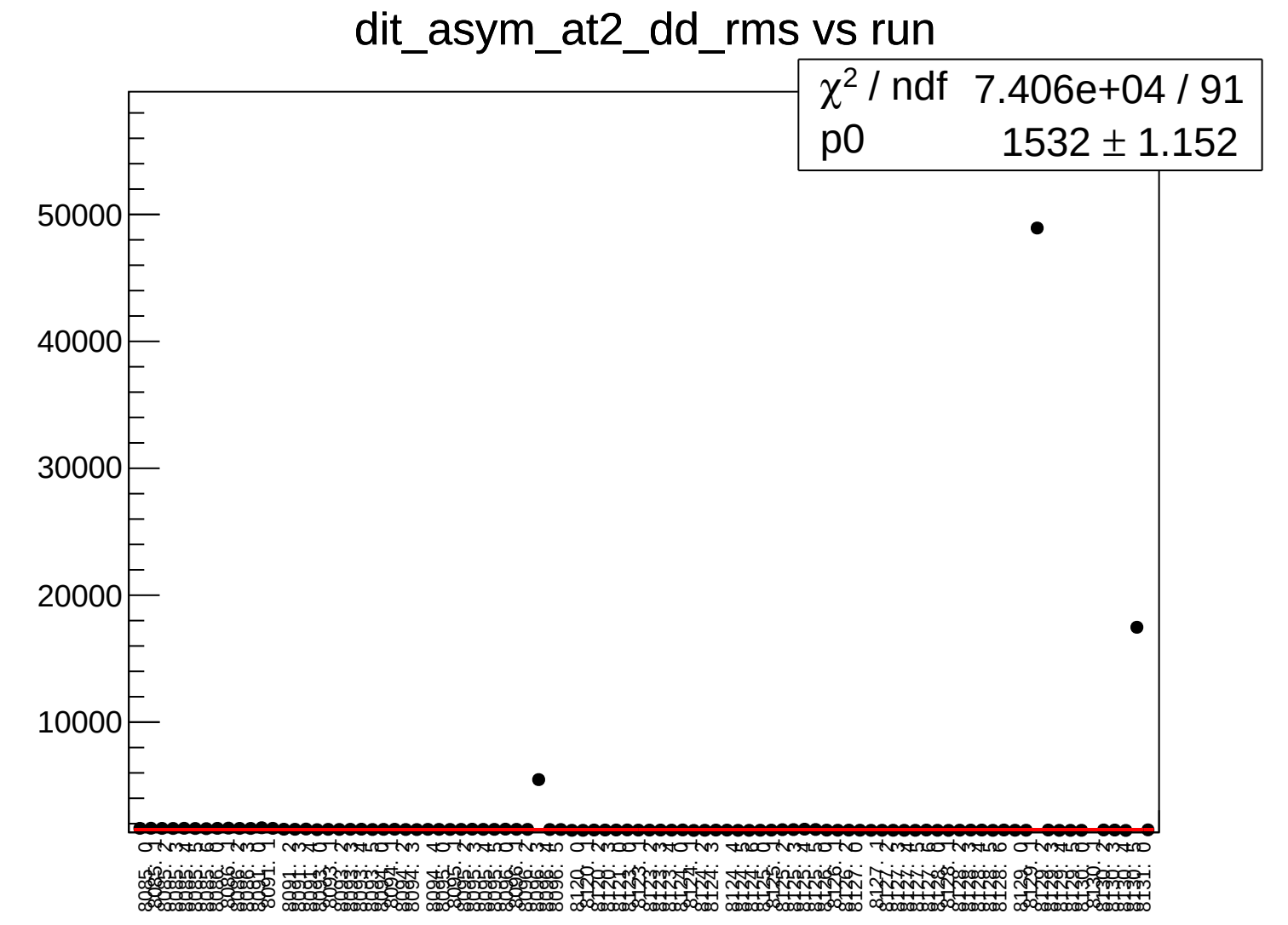

asym_at2_avg_correction_rms vs run
χ² / ndf 9850 / 91
p0 1.006e+04 ± 7.433
13000
12000
11000
10000
9000

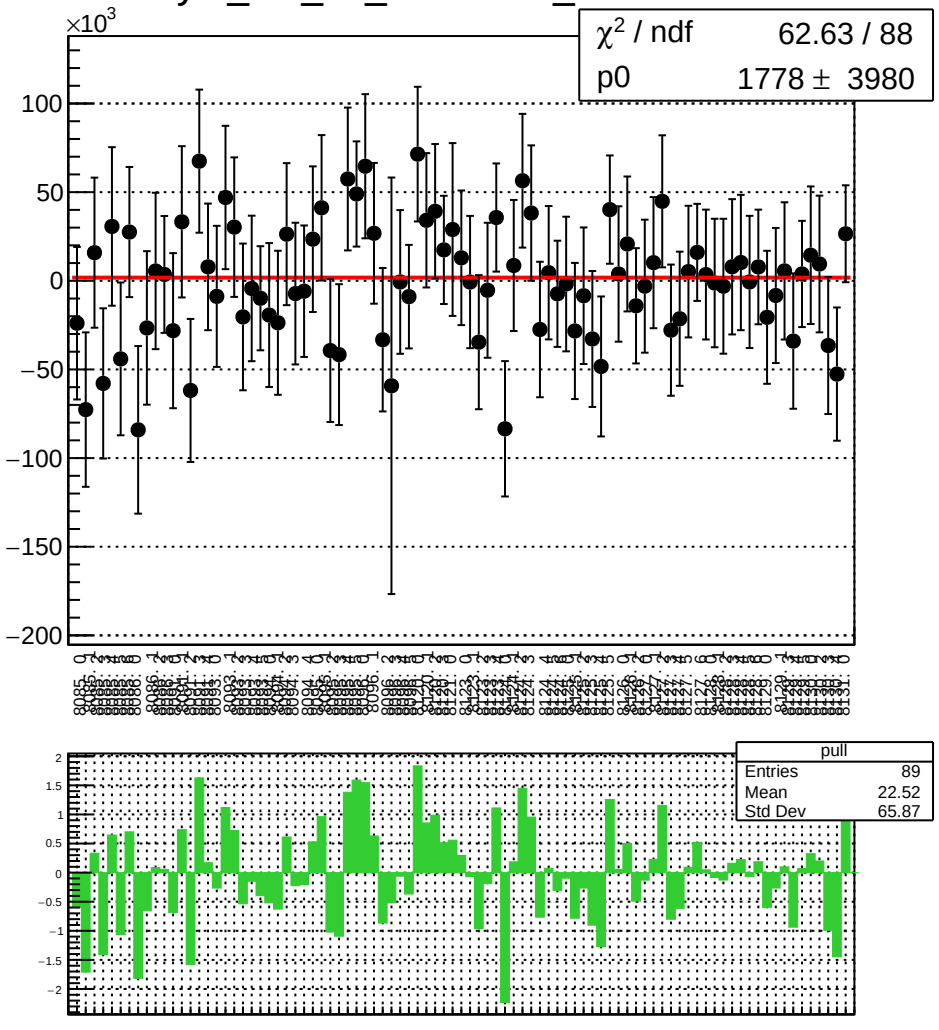

asym_at2_avg_mean vs run
×10^3
χ² / ndf 79.42 / 89
p0 −2.402e+04 ± 1.075e+04
200
0
−200
−400
−600
−800
pull
Entries 90
Mean 70.13
Std Dev 22.04
2
1
0
−1
−2
−3
−4
pull1D
Entries 90
Mean −0.01526
Std Dev 0.9393
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

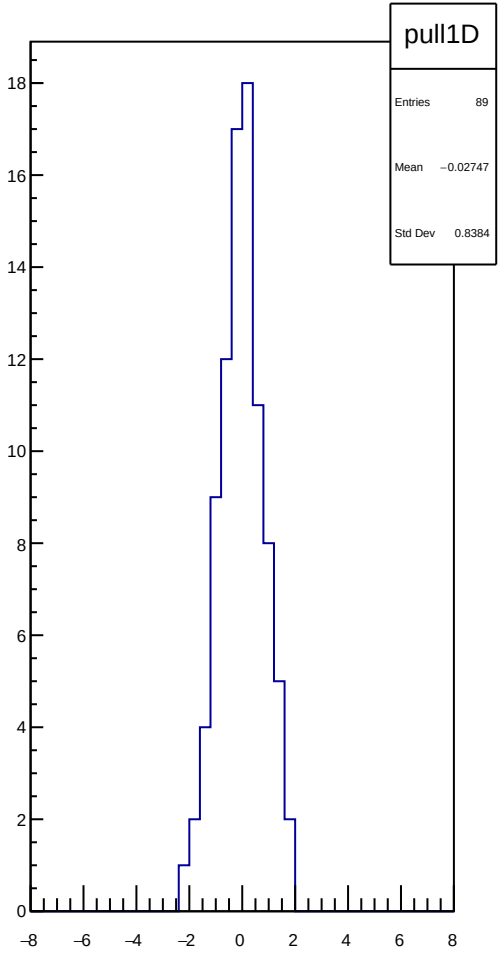

asym_at2_avg_rms vs run
χ² / ndf 4.932e+04 / 91
p0 1.018e+04 ± 7.598
60000
50000
40000
30000
20000
10000

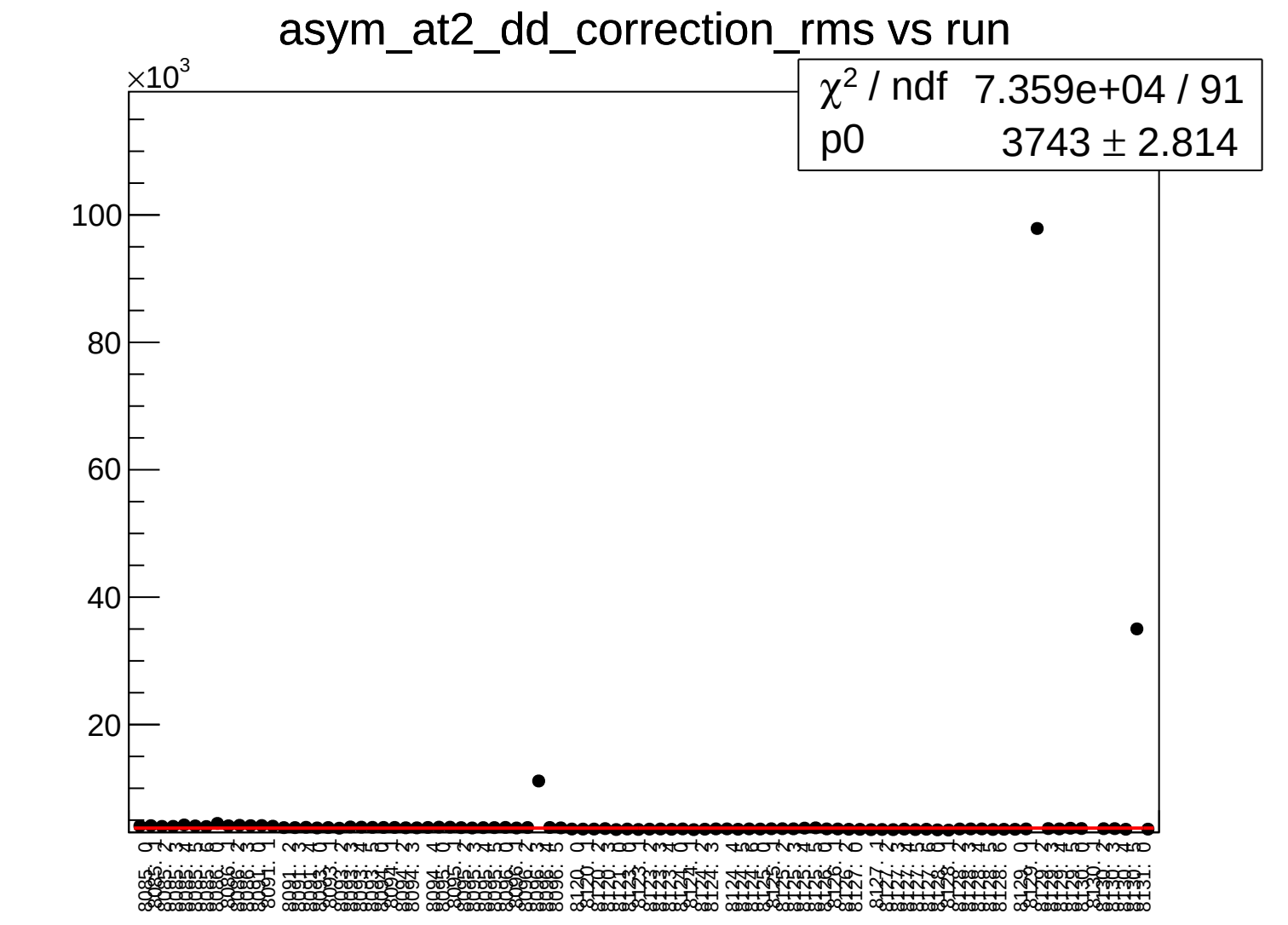

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 95.37 / 89
p0 −659.8 ± 1629
pull
Entries 90
Mean 47.62
Std Dev 54.42

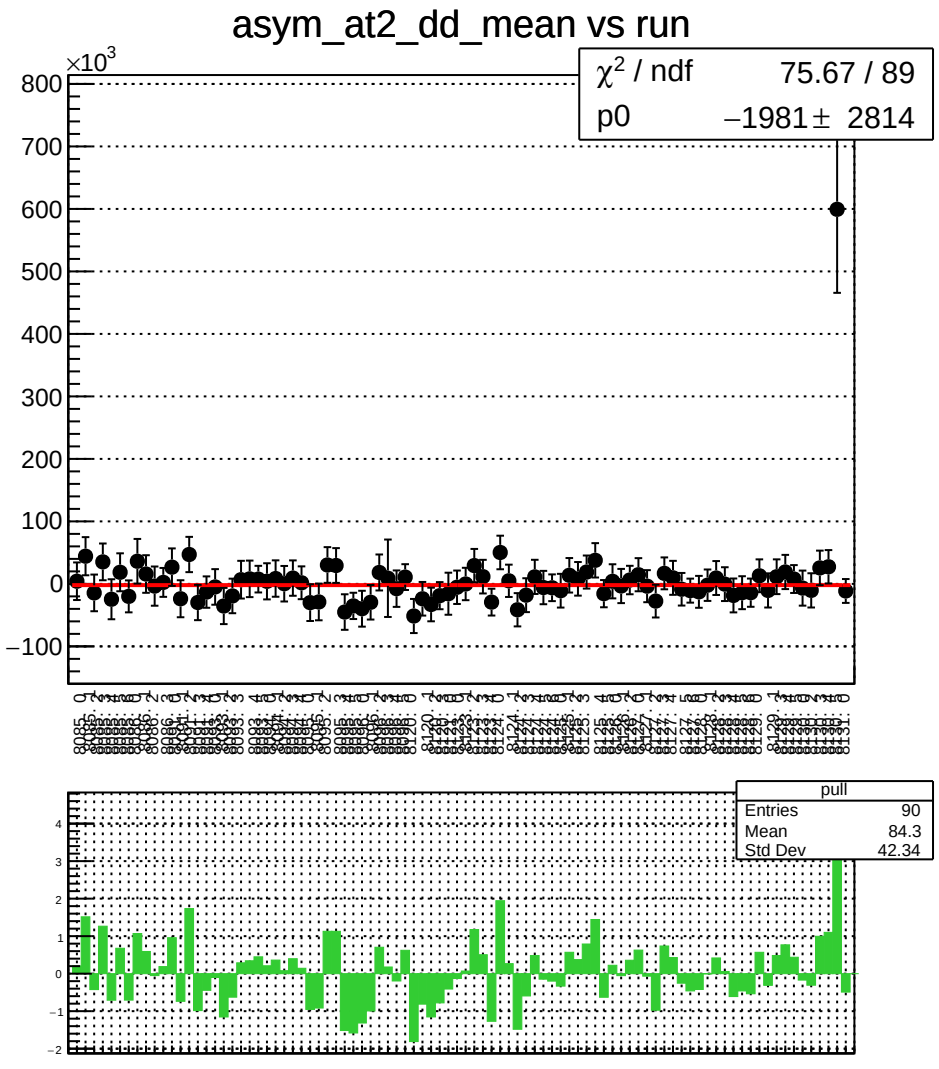

pull1D
Entries 90
Mean −0.07559
Std Dev 1.027

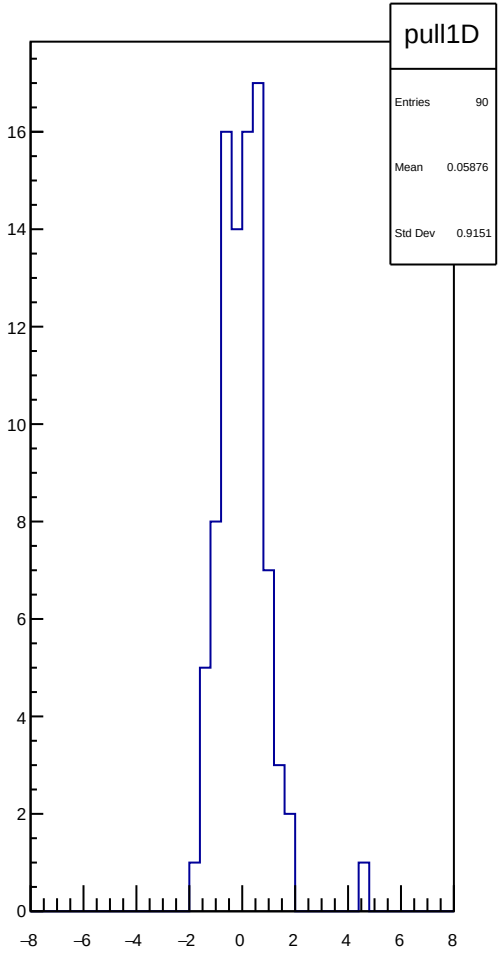

dit_asym_at2_dd_rms vs run
χ² / ndf 7.406e+04 / 91
p0 1532 ± 1.152
50000
40000
30000
20000
10000

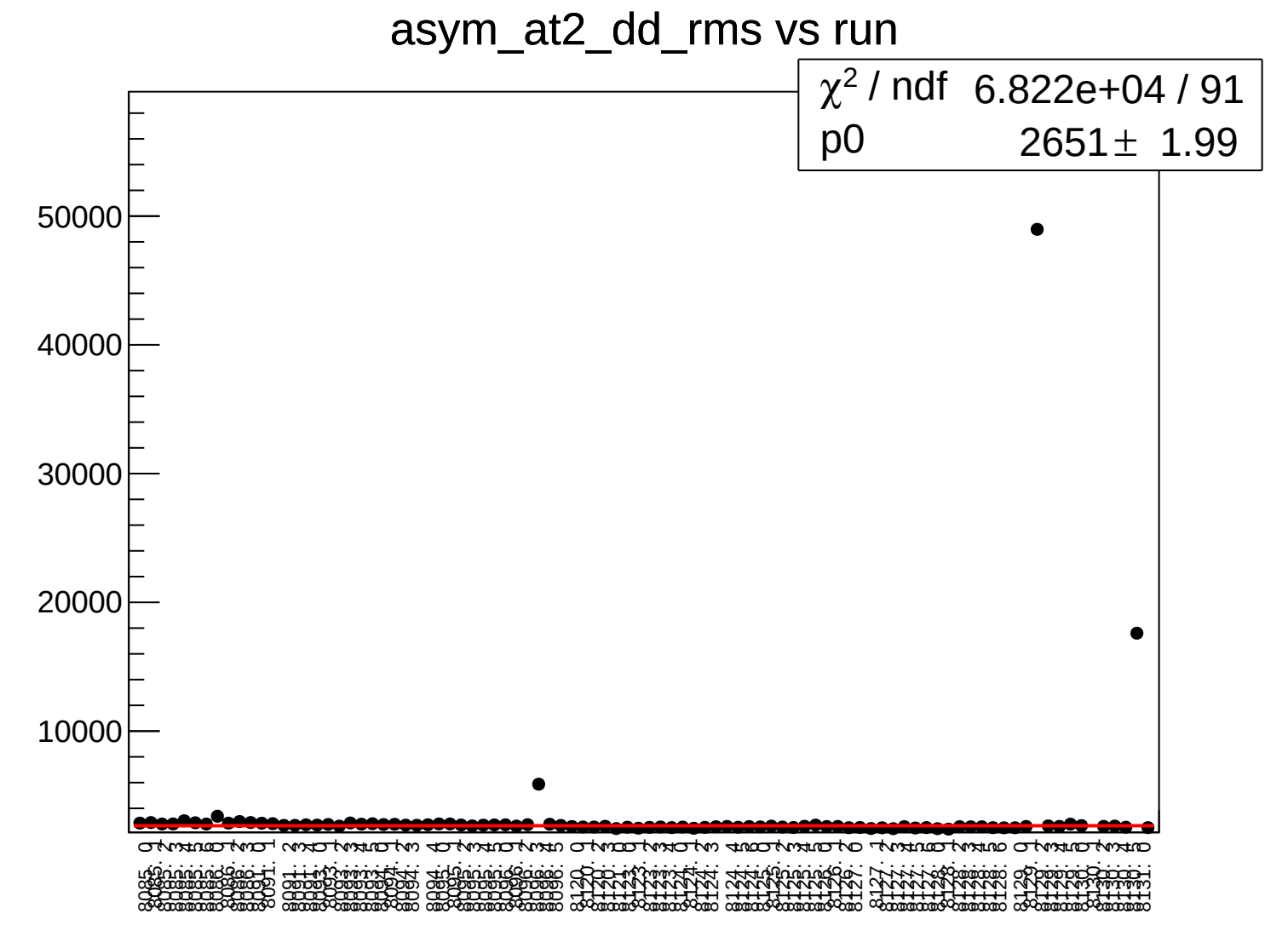

asym_at2_dd_correction_mean vs run
χ^2 / ndf 62.63 / 88
p0 1778 ± 3980
×10^3
pull
Entries 89
Mean 22.52
Std Dev 65.87

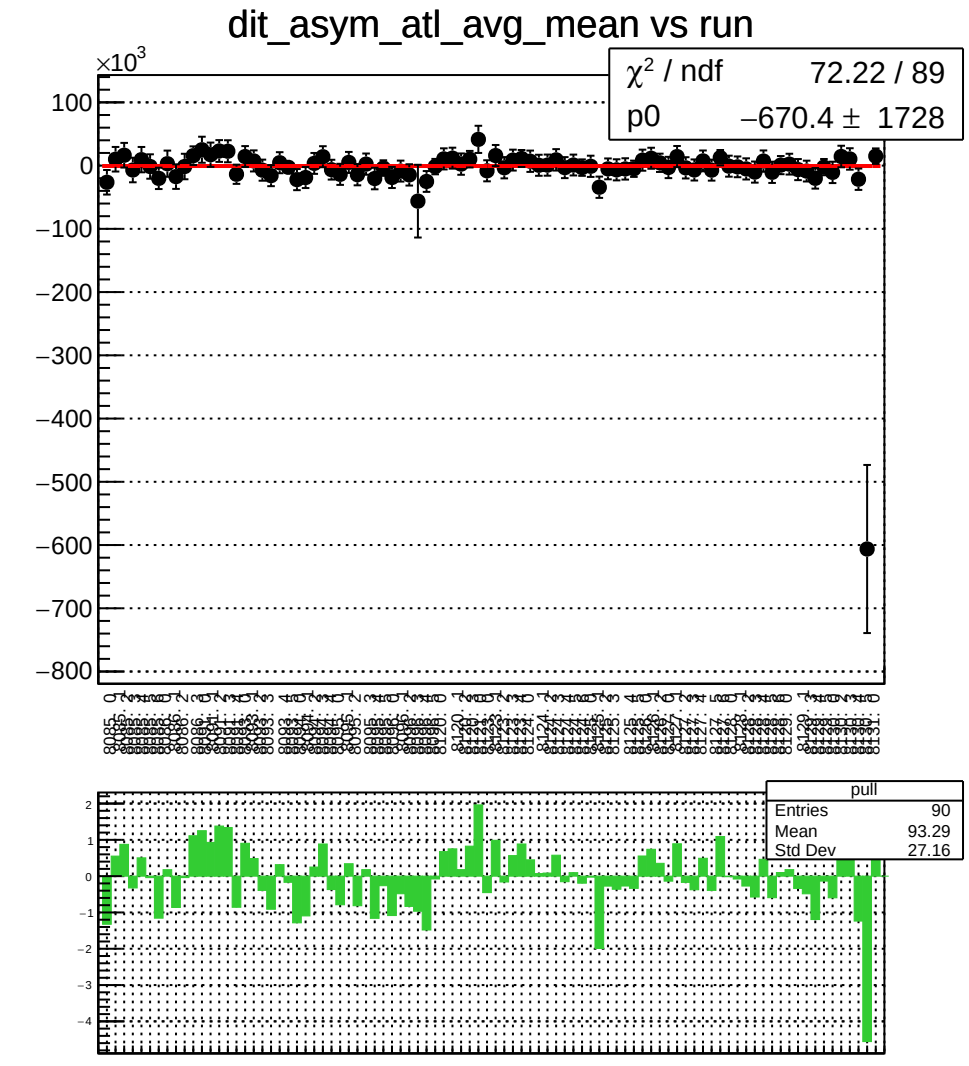

pull1D
Entries 89
Mean −0.02747
Std Dev 0.8384

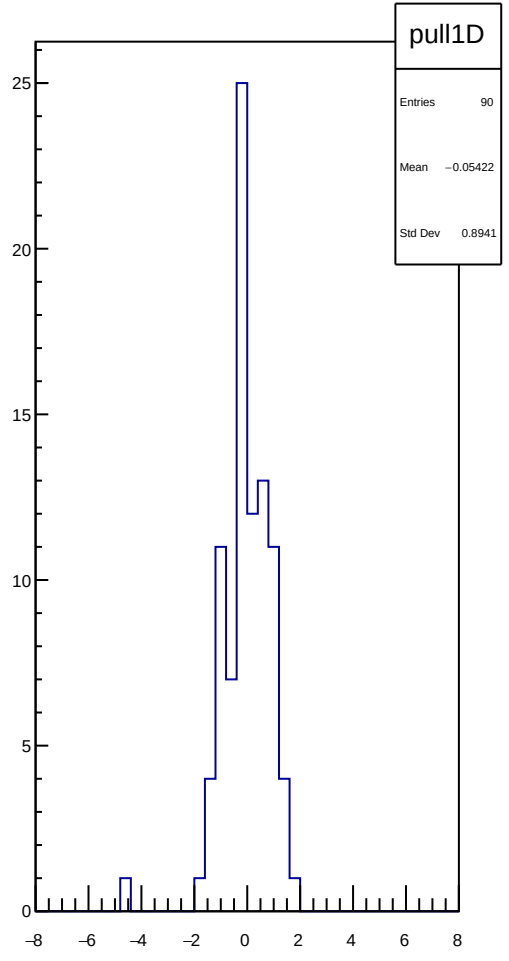

asym_at2_dd_correction_rms vs run
×10^3
χ^2 / ndf 7.359e+04 / 91
p0 3743 ± 2.814
100
80
60
40
20

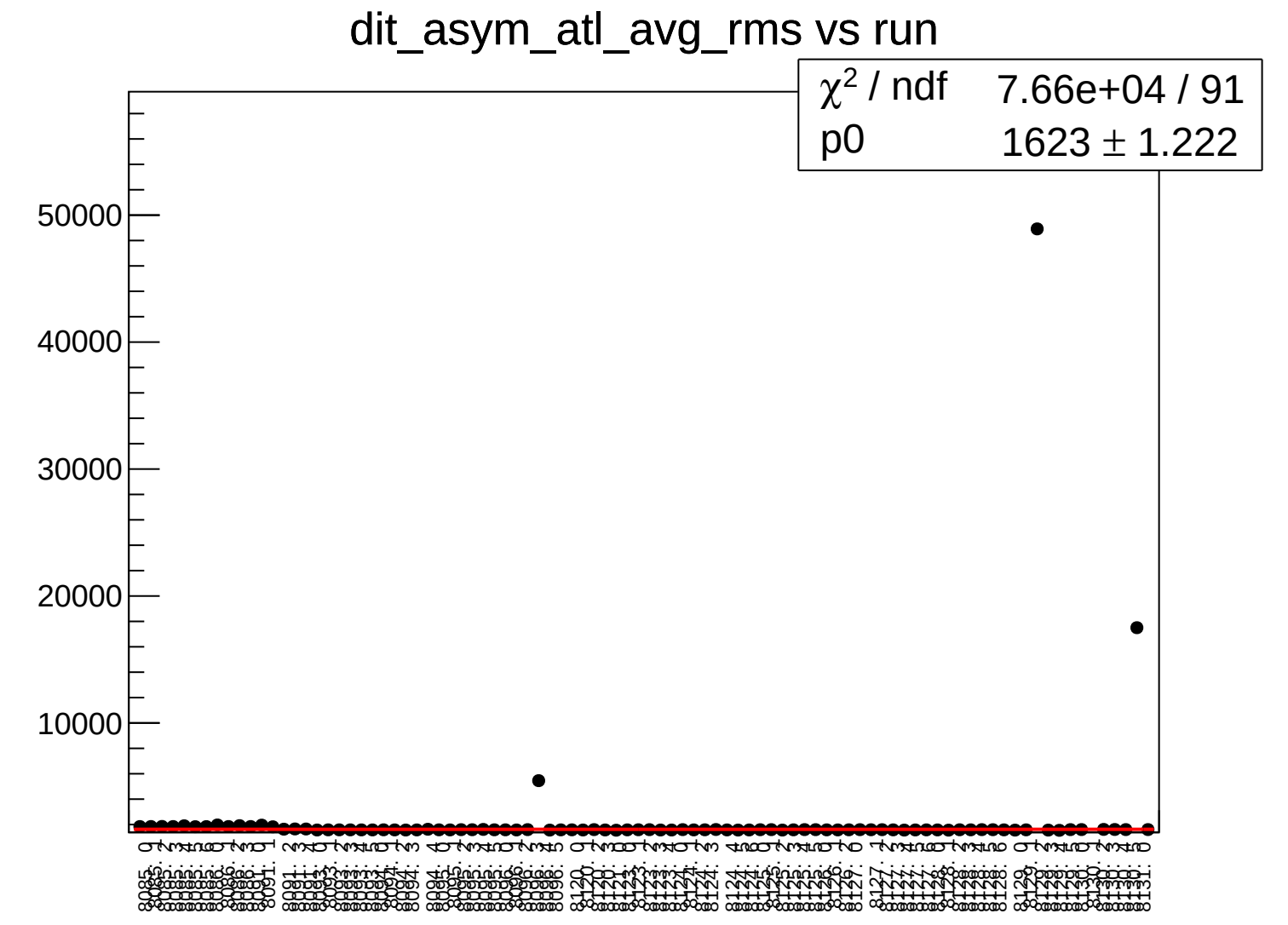

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 75.67 / 89
p0 −1981 ± 2814
800
700
600
500
400
300
200
100
0
−100
pull
Entries 90
Mean 84.3
Std Dev 42.34
4
3
2
1
0
−1
−2

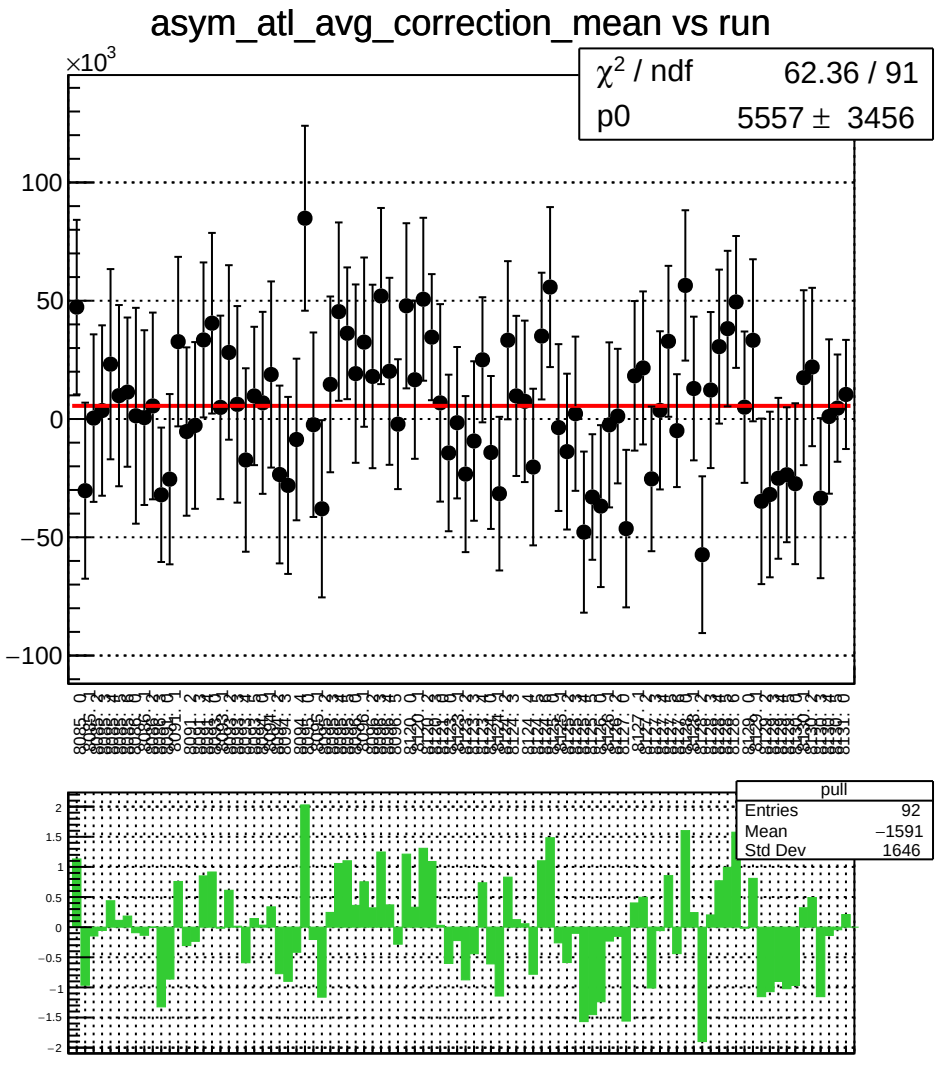

pull1D
Entries 90
Mean 0.05876
Std Dev 0.9151
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

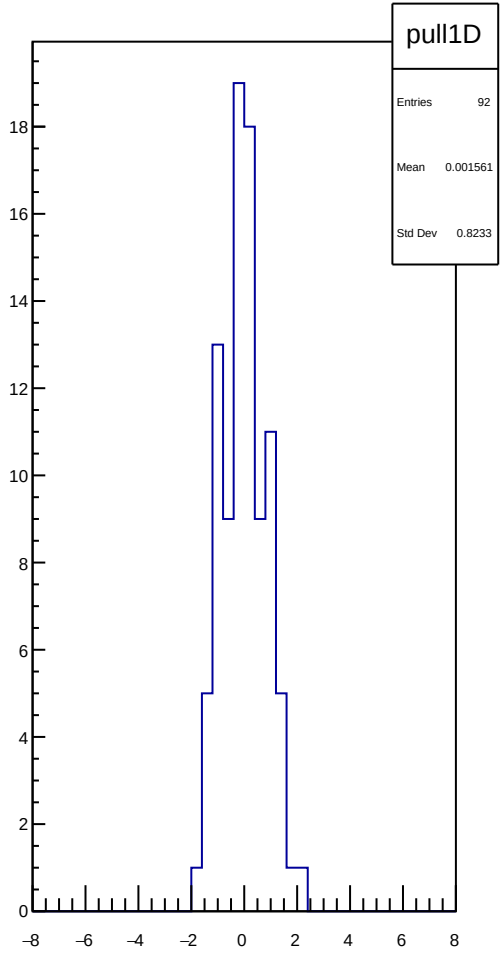

asym_at2_dd_rms vs run
χ^2 / ndf 6.822e+04 / 91
p0 2651 ± 1.99
50000
40000
30000
20000
10000

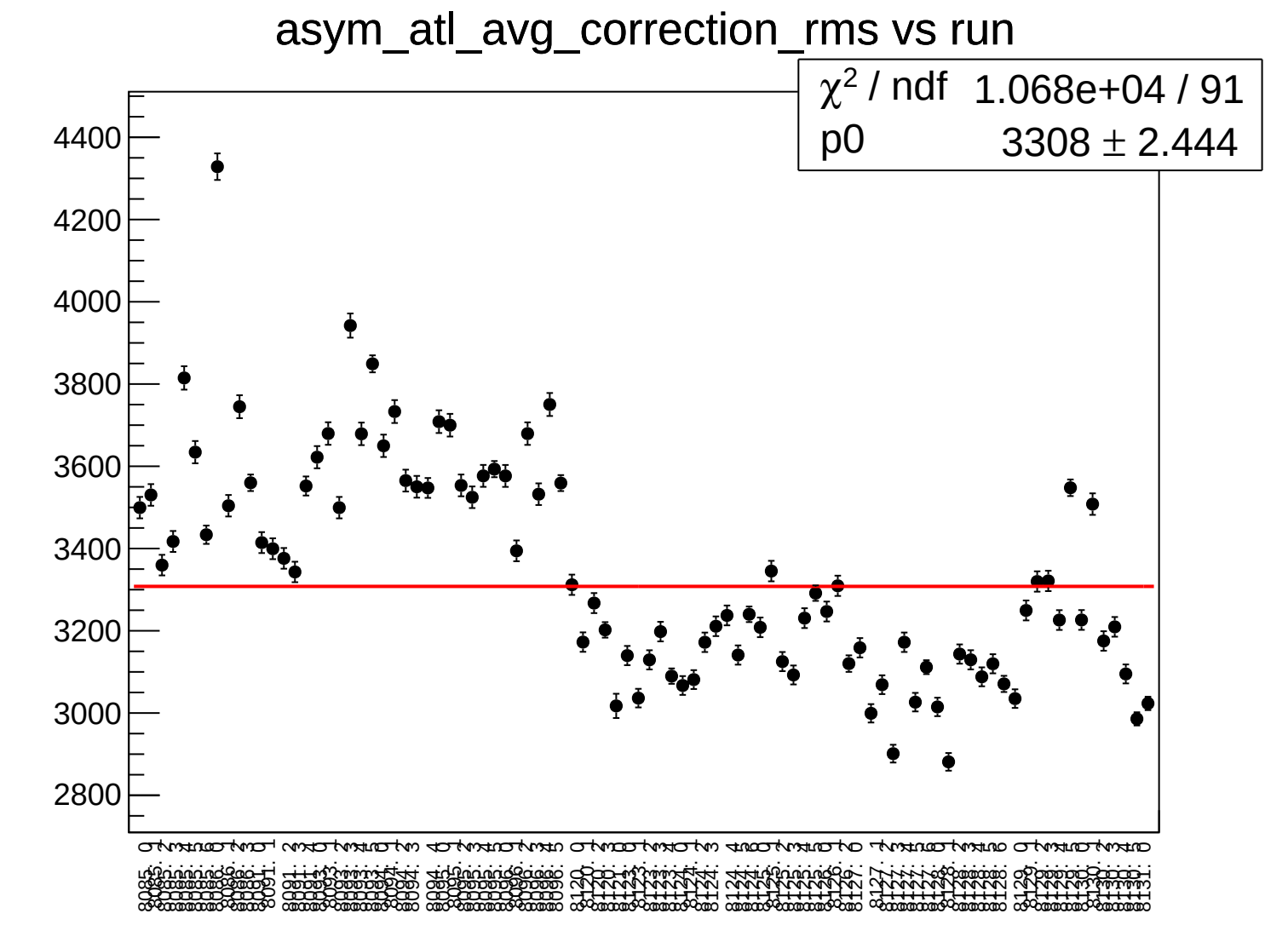

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 72.22 / 89
p0 −670.4 ± 1728
100
0
−100
−200
−300
−400
−500
−600
−700
−800
pull
Entries 90
Mean 93.29
Std Dev 27.16
2
1
0
−1
−2
−3
−4

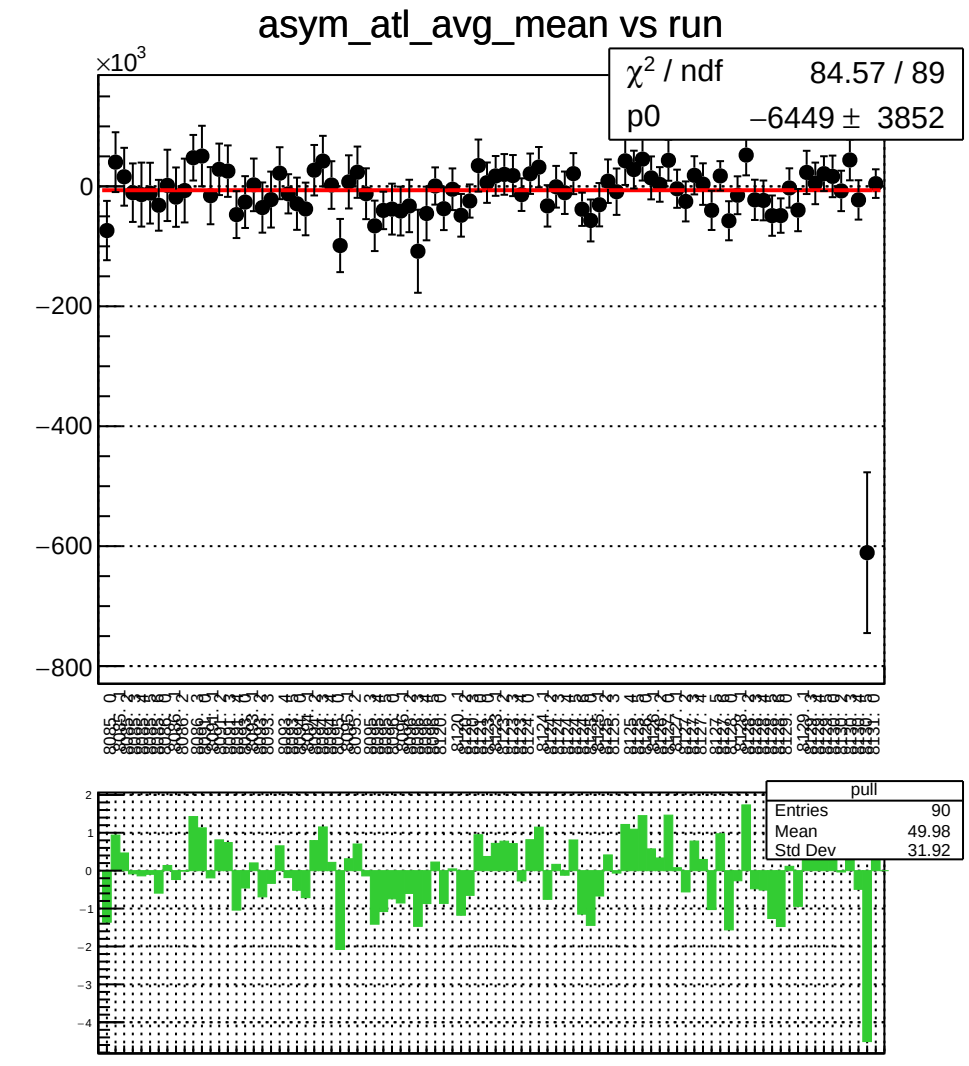

pull1D
Entries 90
Mean −0.05422
Std Dev 0.8941
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

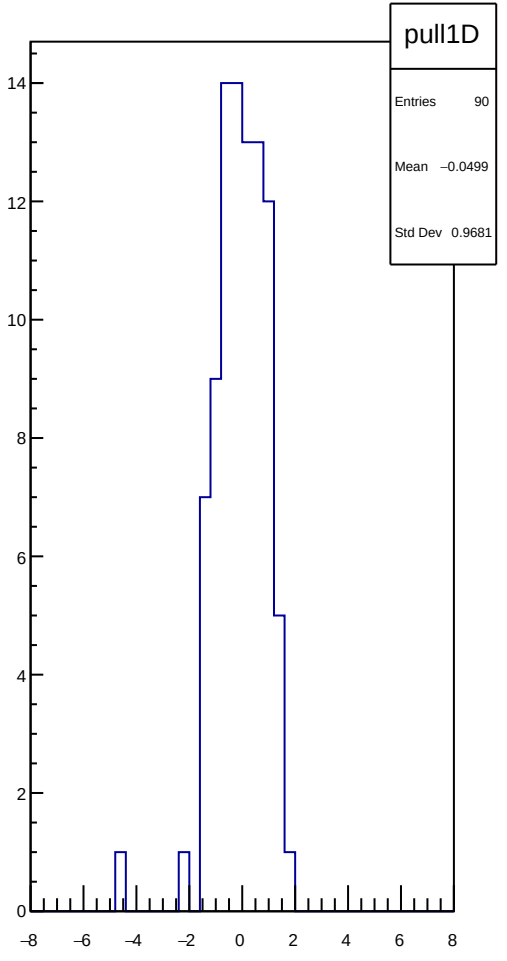

dit_asym_atl_avg_rms vs run
χ^2 / ndf 7.66e+04 / 91
p0 1623 ± 1.222
50000
40000
30000
20000
10000

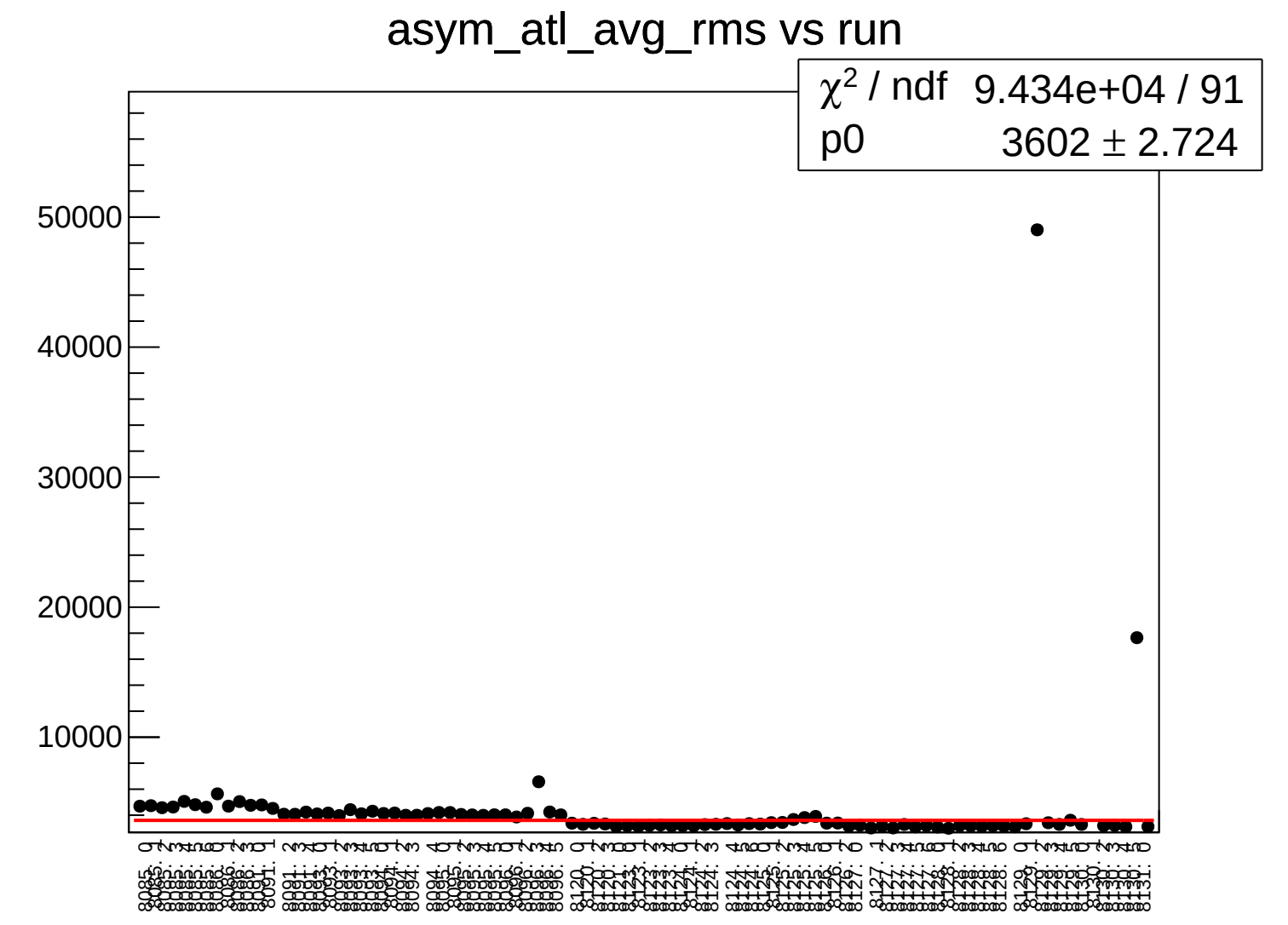

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 62.36 / 91
p0 5557 ± 3456
100
50
0
−50
−100
pull
Entries 92
Mean −1591
Std Dev 1646
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

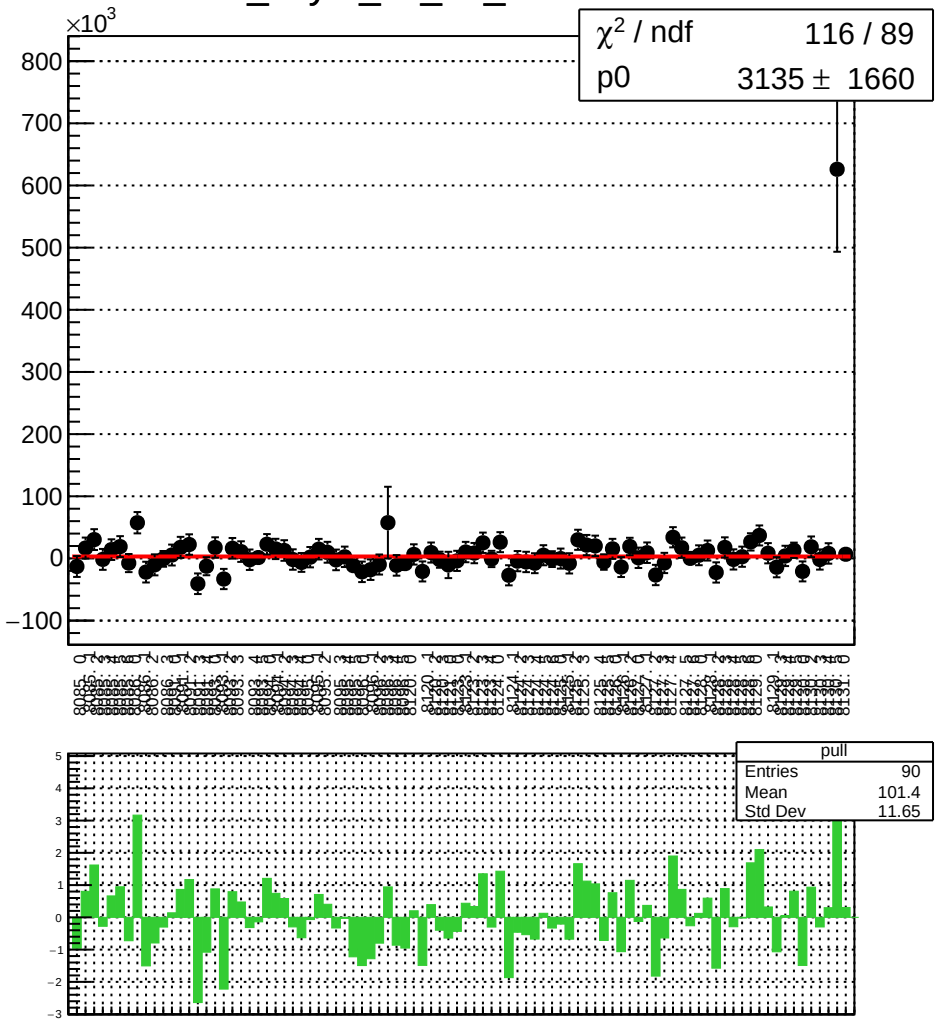

pull1D
Entries 92
Mean 0.001561
Std Dev 0.8233
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

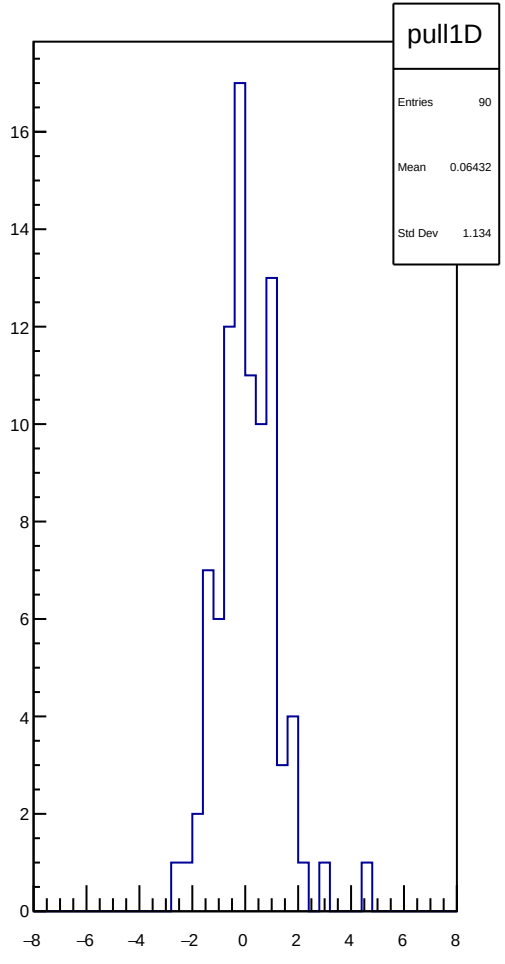

asym_atl_avg_correction_rms vs run
χ² / ndf 1.068e+04 / 91
p0 3308 ± 2.444
4400
4200
4000
3800
3600
3400
3200
3000
2800

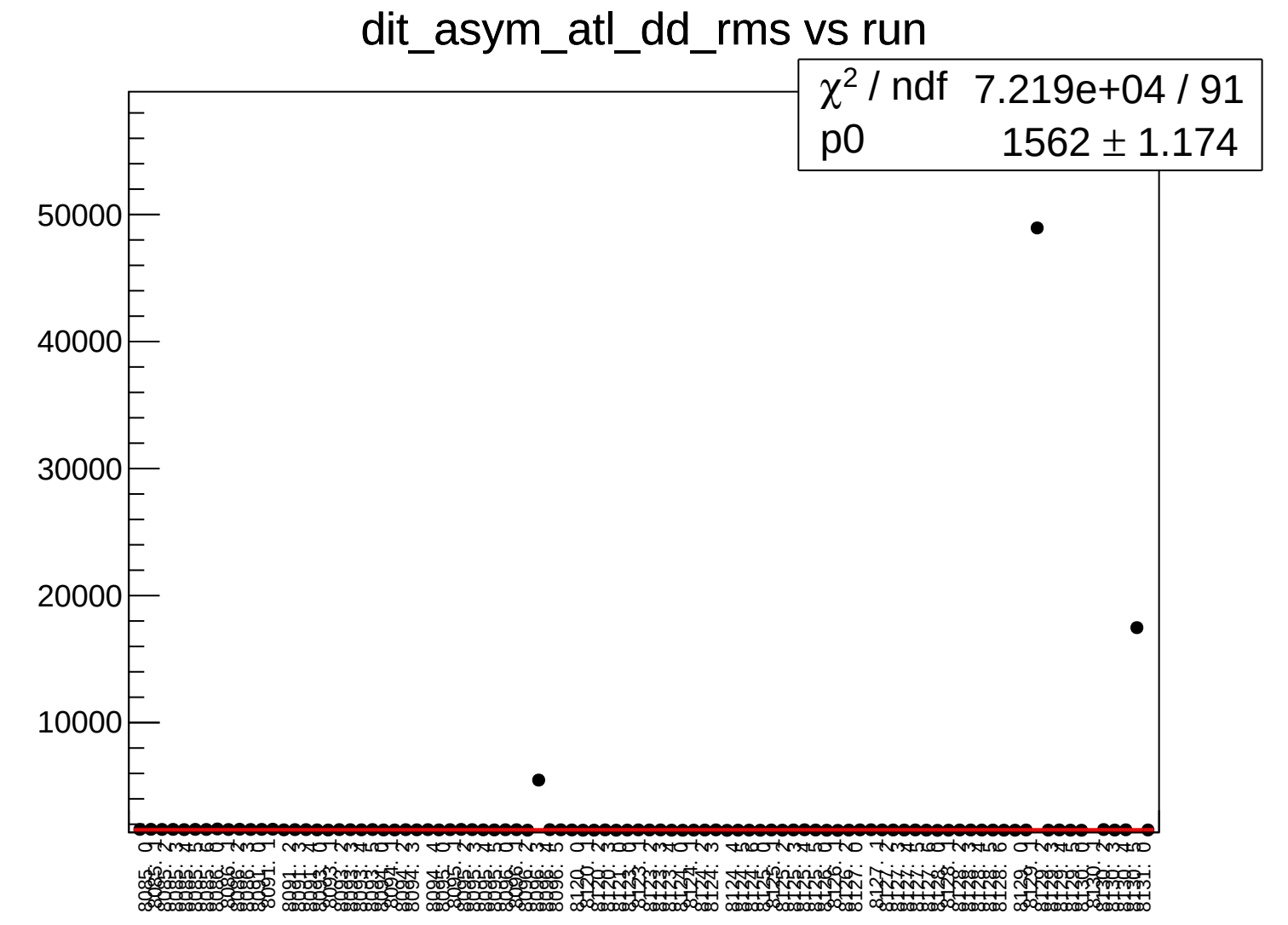

asym_atl_avg_mean vs run
×10^3
χ² / ndf 84.57 / 89
p0 −6449 ± 3852
0
−200
−400
−600
−800
pull
Entries 90
Mean 49.98
Std Dev 31.92
2
1
0
−1
−2
−3
−4

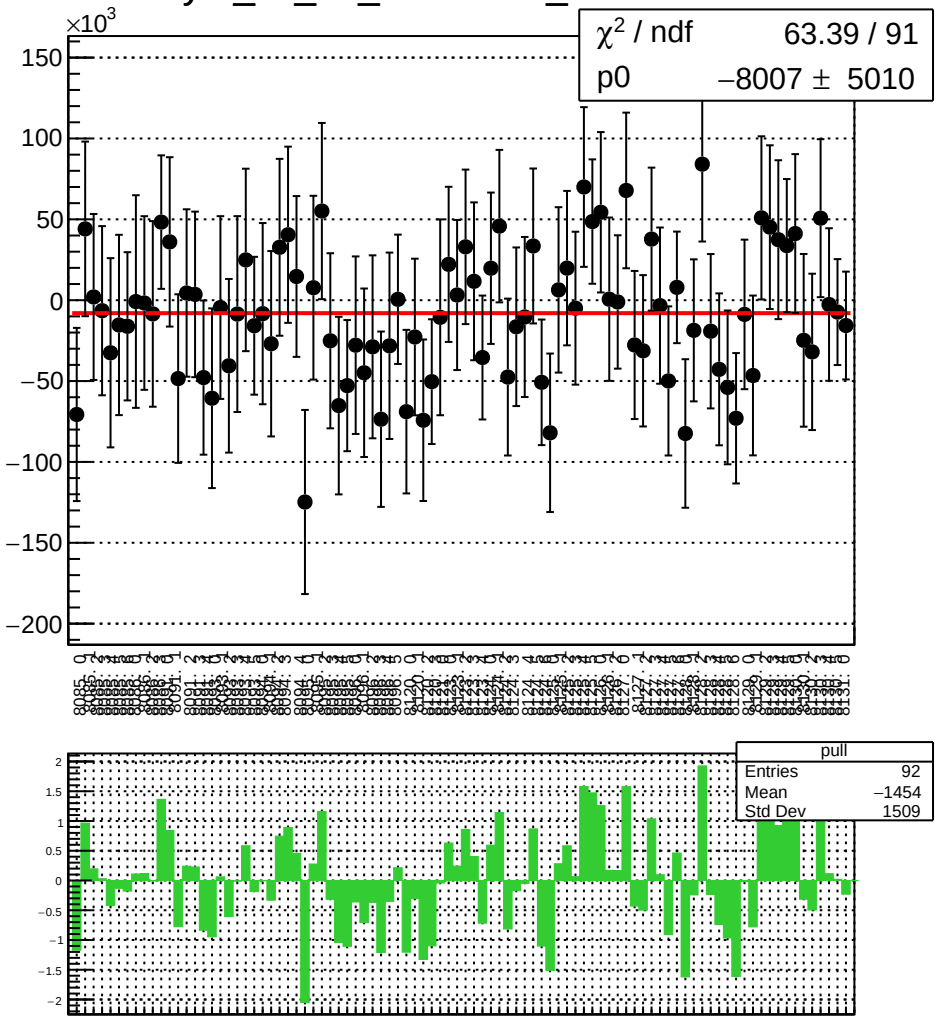

pull1D
Entries 90
Mean −0.0499
Std Dev 0.9681
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

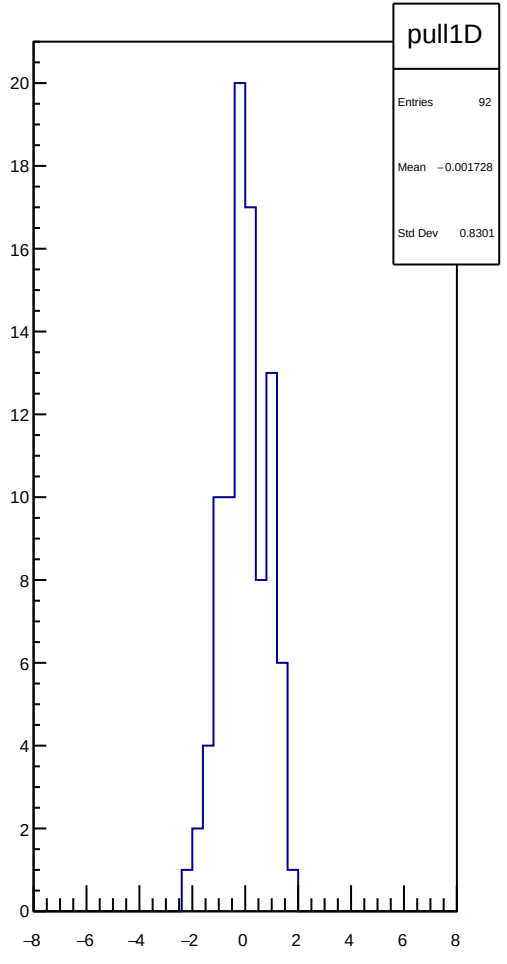

asym_atl_avg_rms vs run
χ² / ndf 9.434e+04 / 91
p0 3602 ± 2.724
50000
40000
30000
20000
10000

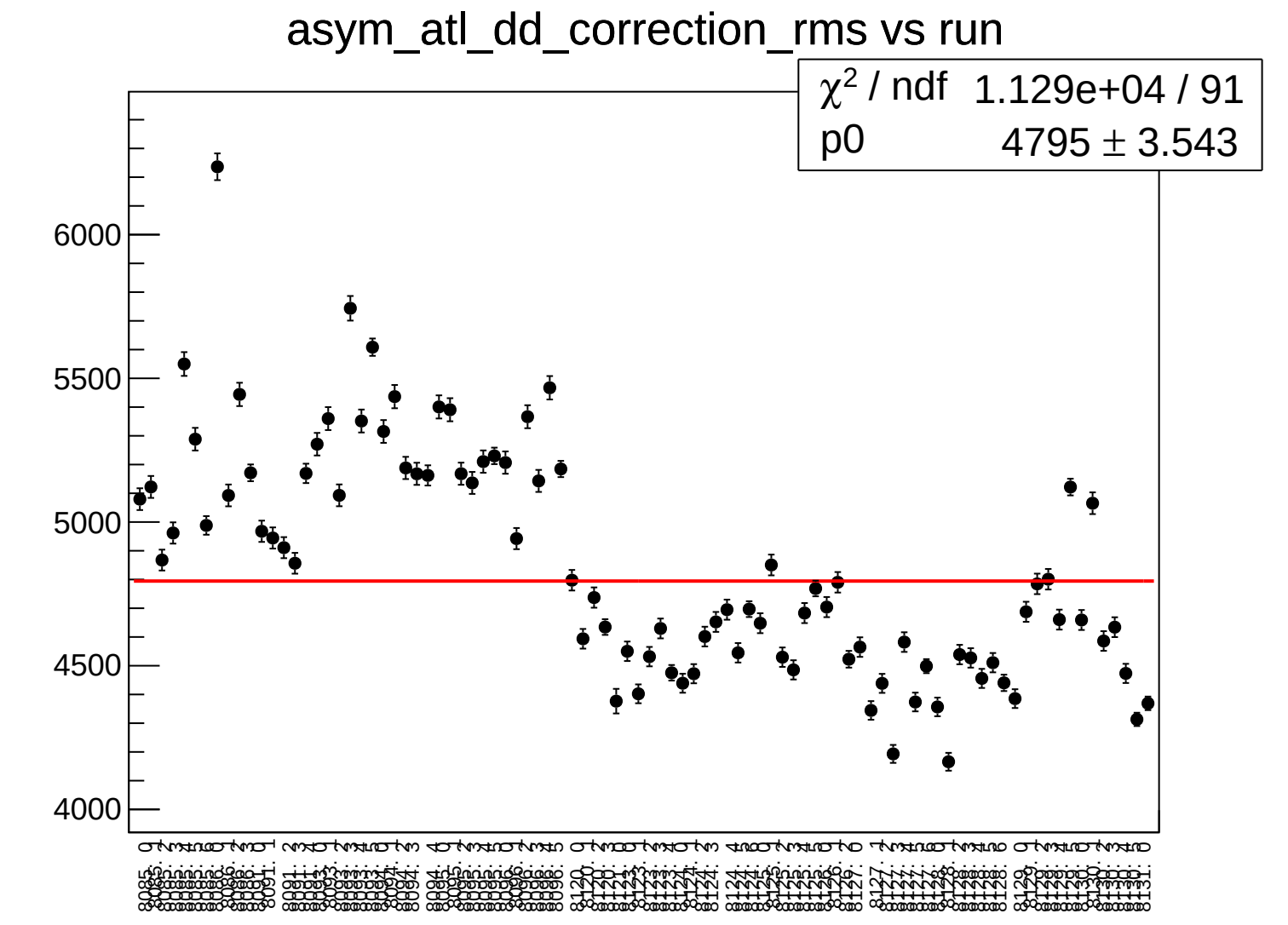

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 116 / 89
p0 3135 ± 1660
pull
Entries 90
Mean 101.4
Std Dev 11.65

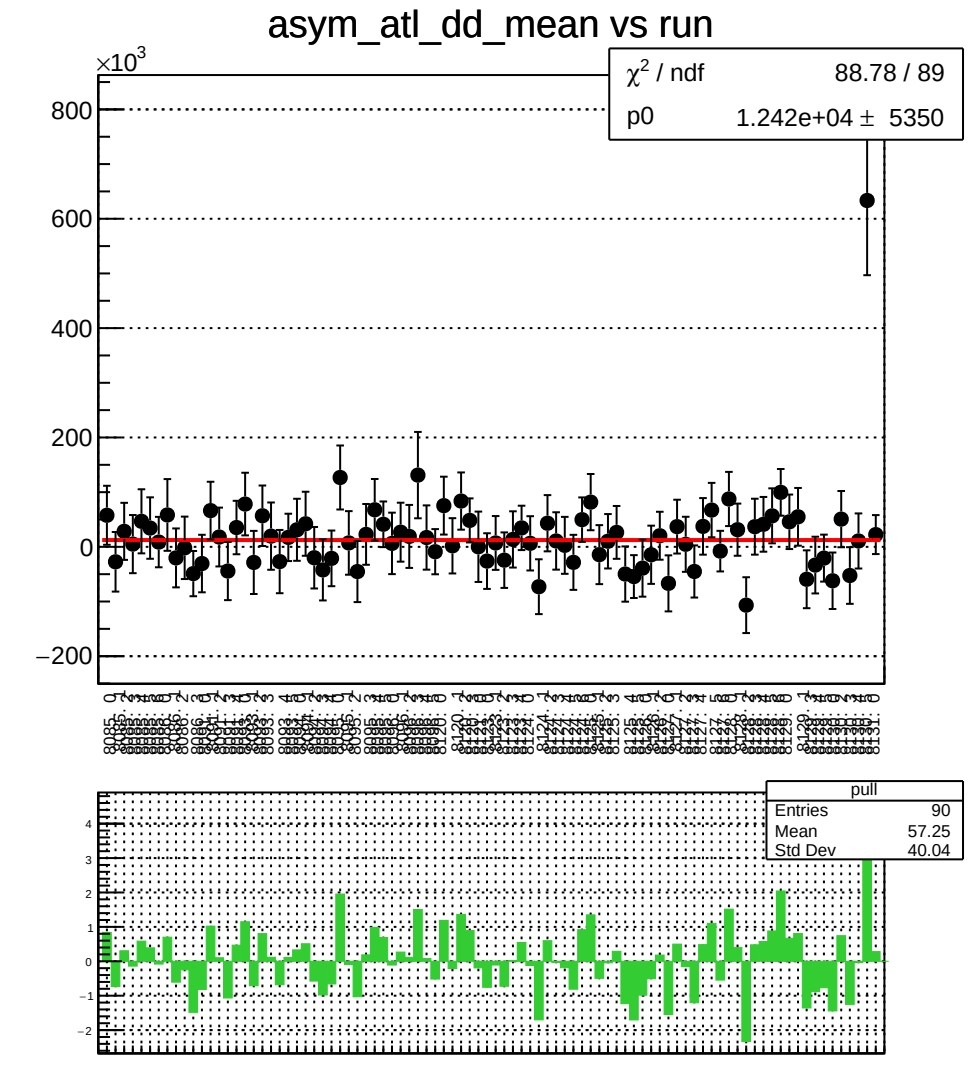

pull1D
Entries 90
Mean 0.06432
Std Dev 1.134

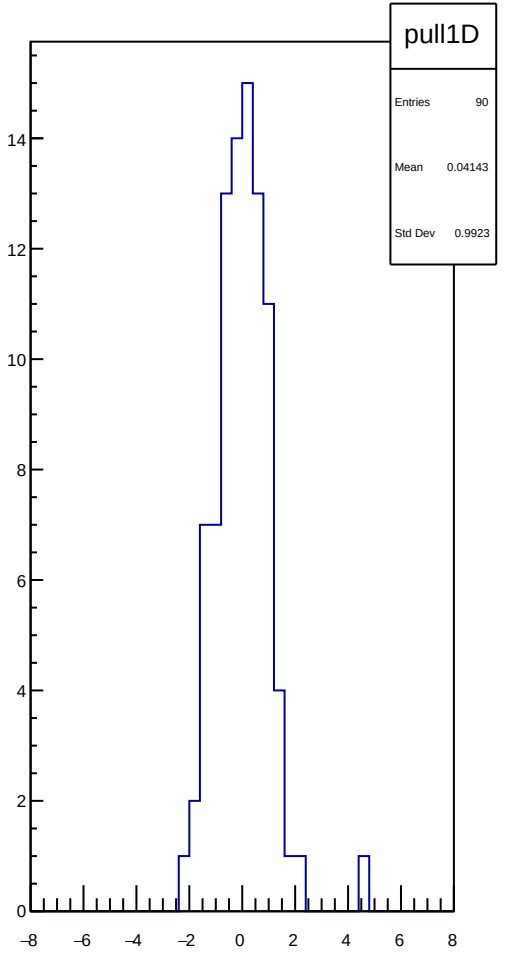

dit_asym_atl_dd_rms vs run
χ^2 / ndf 7.219e+04 / 91
p0 1562 ± 1.174
50000
40000
30000
20000
10000

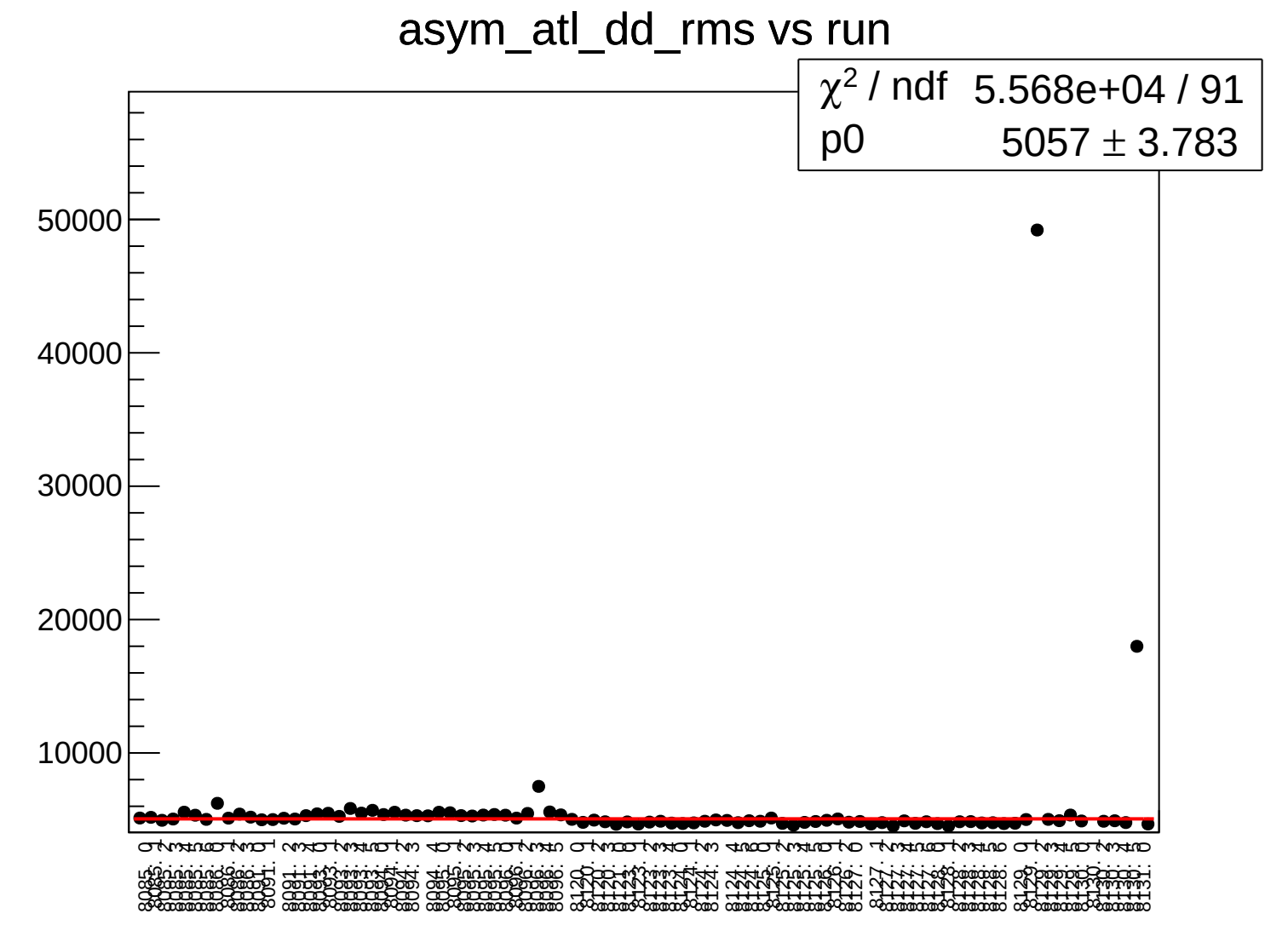

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 63.39 / 91
p0 −8007 ± 5010
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean −1454
Std Dev 1509
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

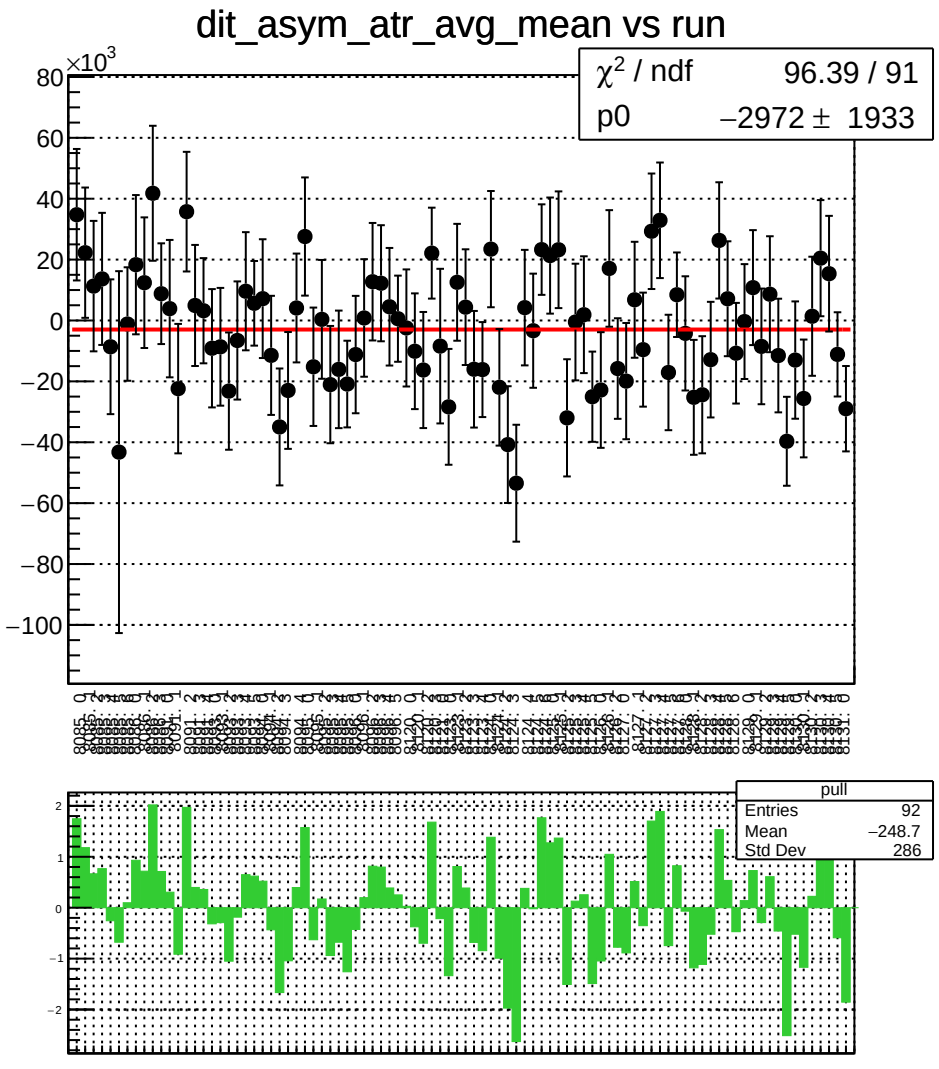

pull1D
Entries 92
Mean −0.001728
Std Dev 0.8301
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

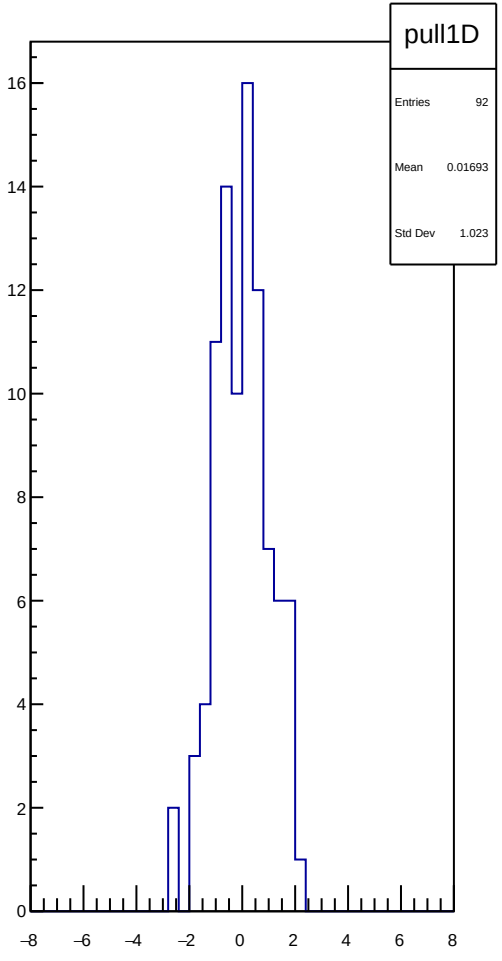

asym_atl_dd_correction_rms vs run
χ² / ndf 1.129e+04 / 91
p0 4795 ± 3.543
6000
5500
5000
4500
4000

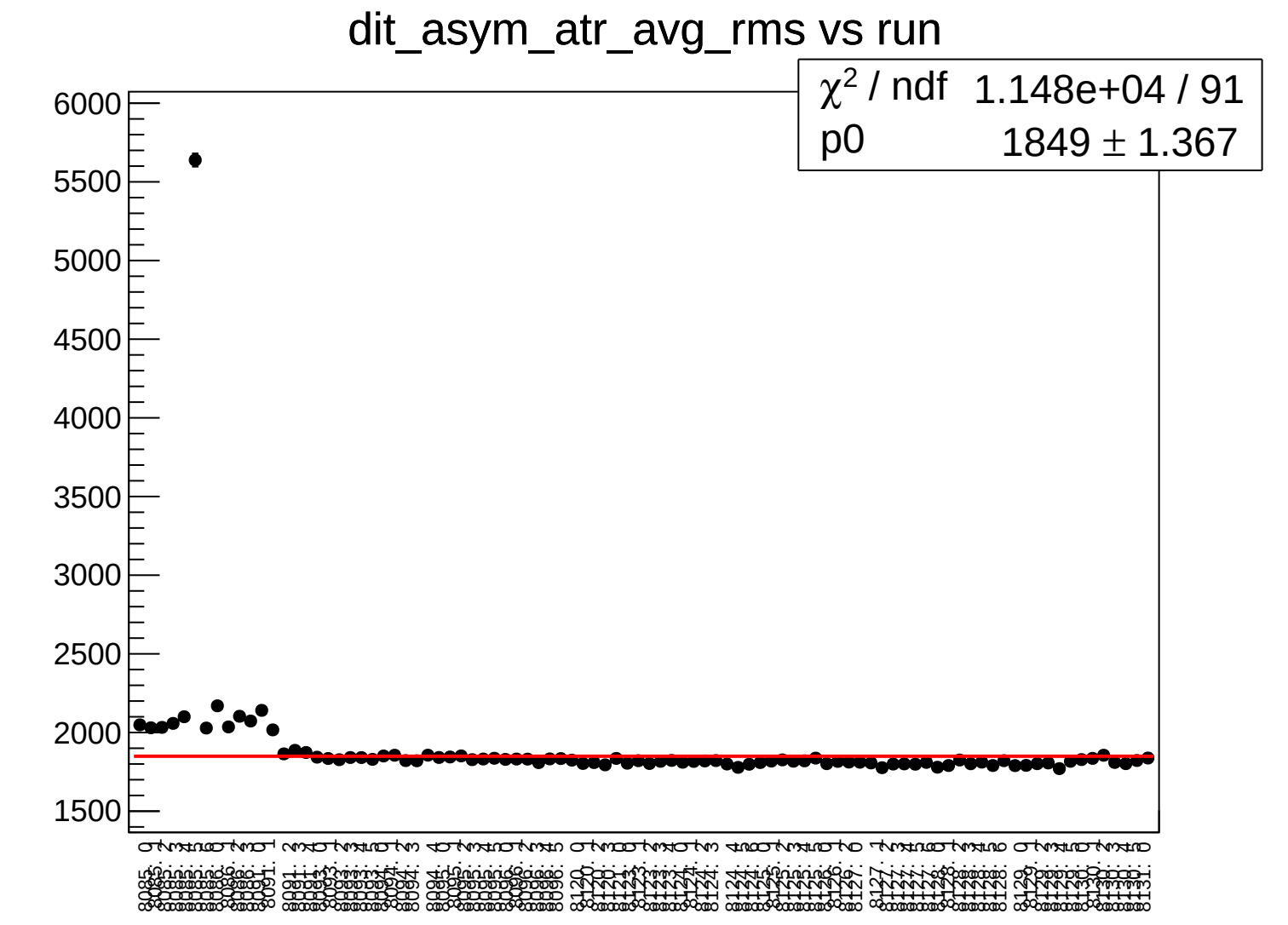

asym_atl_dd_mean vs run
×10^3
χ² / ndf 88.78 / 89
p0 1.242e+04 ± 5350
800
600
400
200
0
−200
pull
Entries 90
Mean 57.25
Std Dev 40.04
4
3
2
1
0
−1
−2

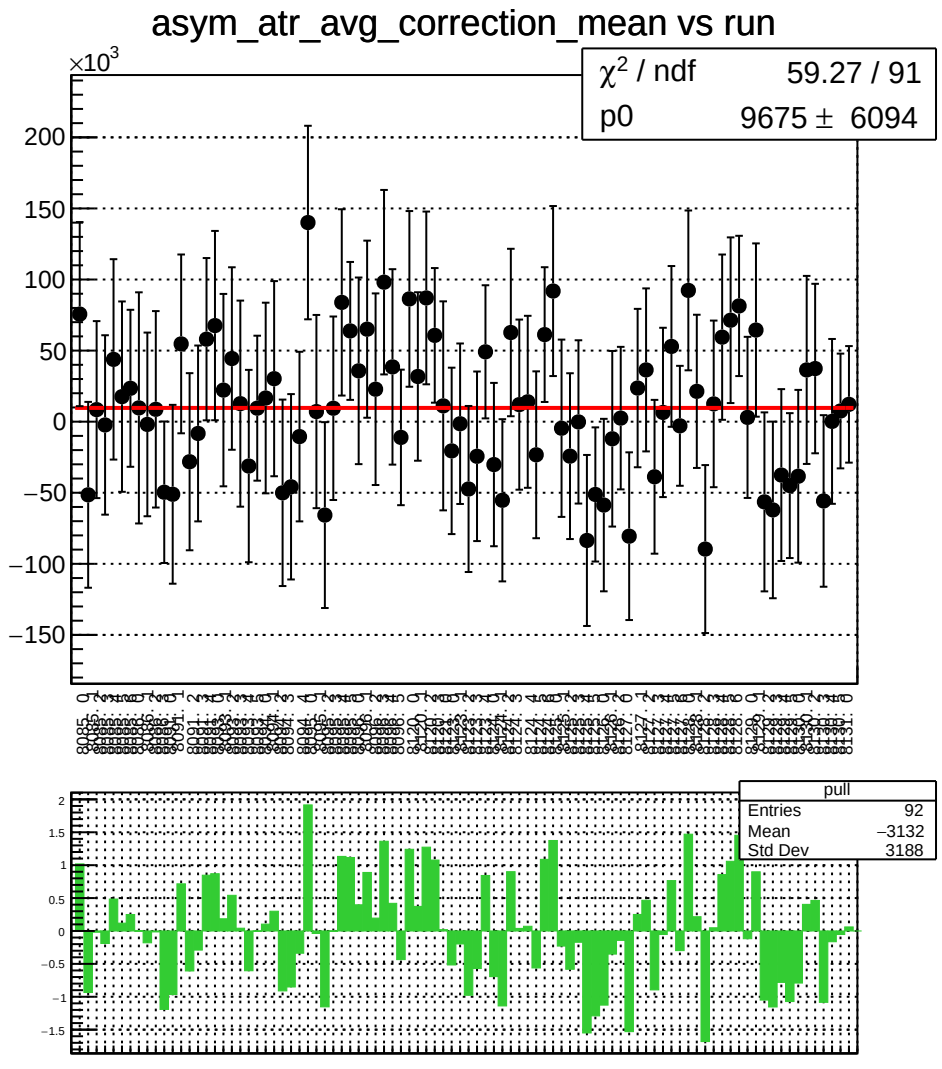

pull1D
Entries 90
Mean 0.04143
Std Dev 0.9923
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

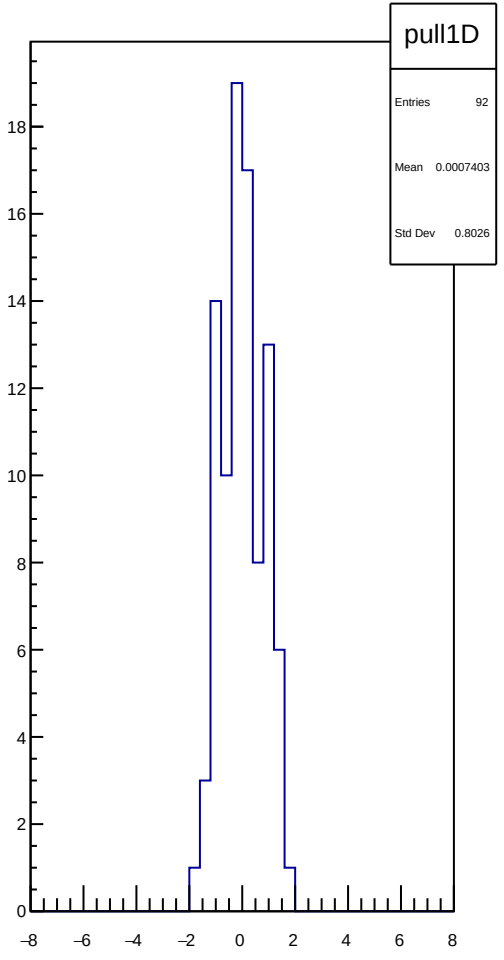

asym_atl_dd_rms vs run
χ^2 / ndf 5.568e+04 / 91
p0 5057 ± 3.783
50000
40000
30000
20000
10000

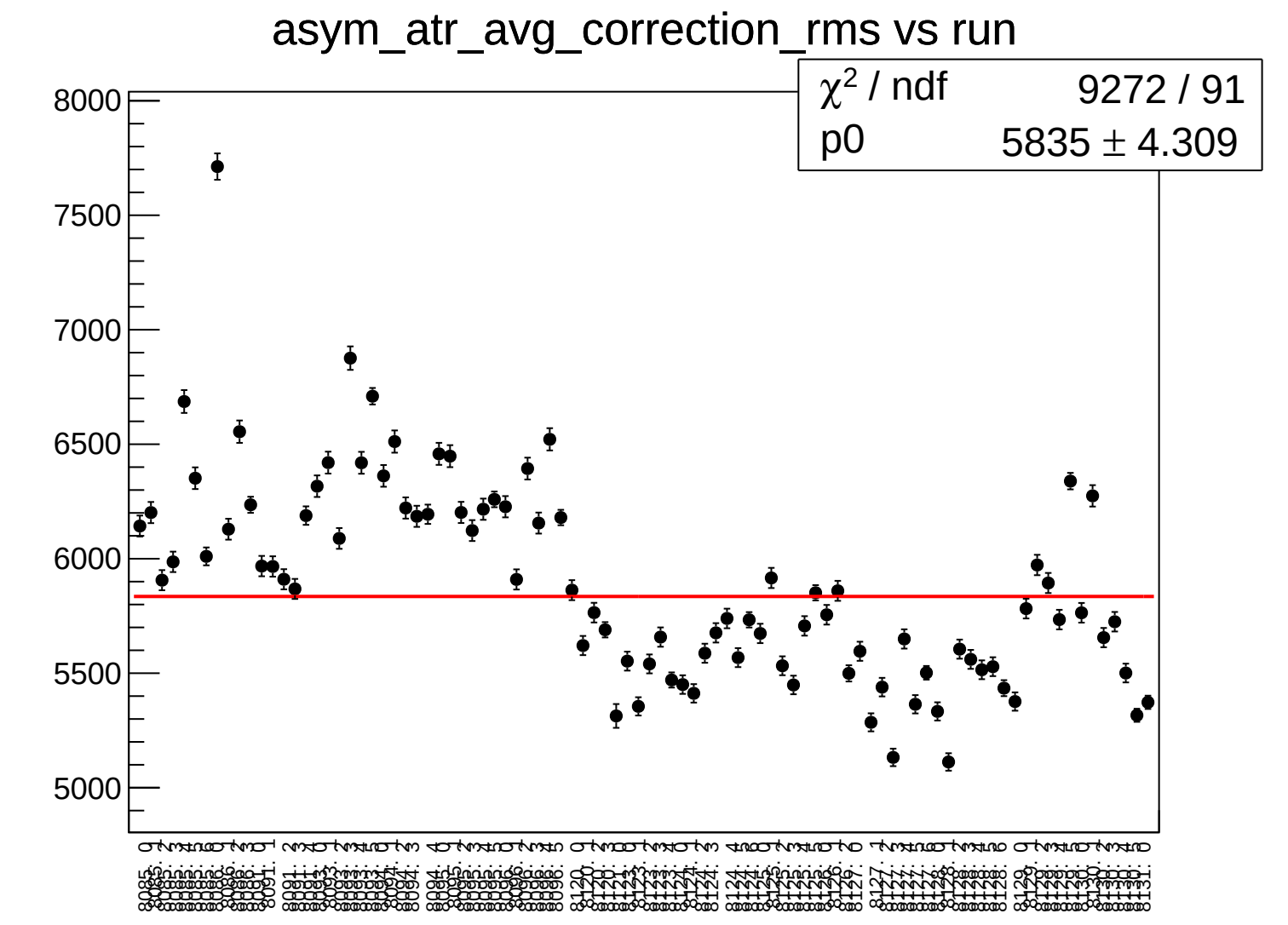

dit_asym_atr_avg_mean vs run
χ² / ndf 96.39 / 91
p0 −2972 ± 1933
×10³
pull
Entries 92
Mean −248.7
Std Dev 286

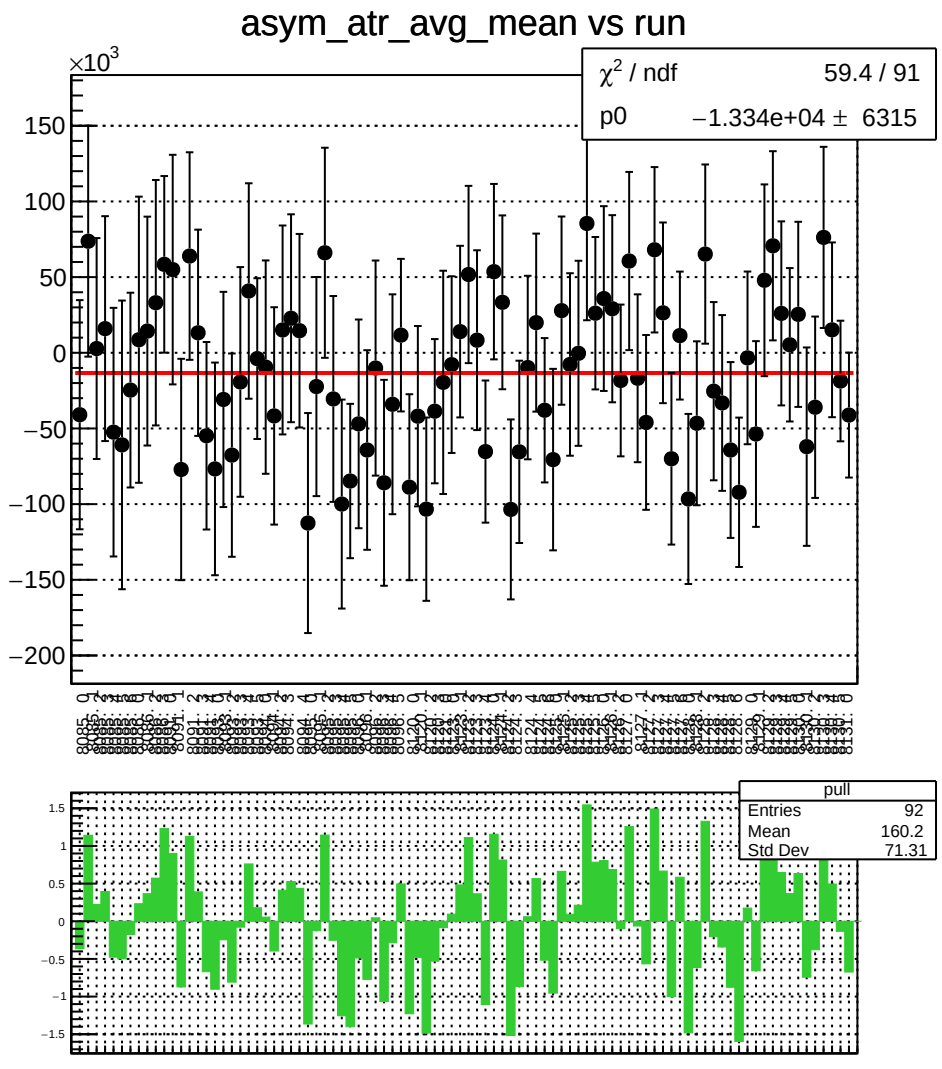

pull1D
Entries 92
Mean 0.01693
Std Dev 1.023

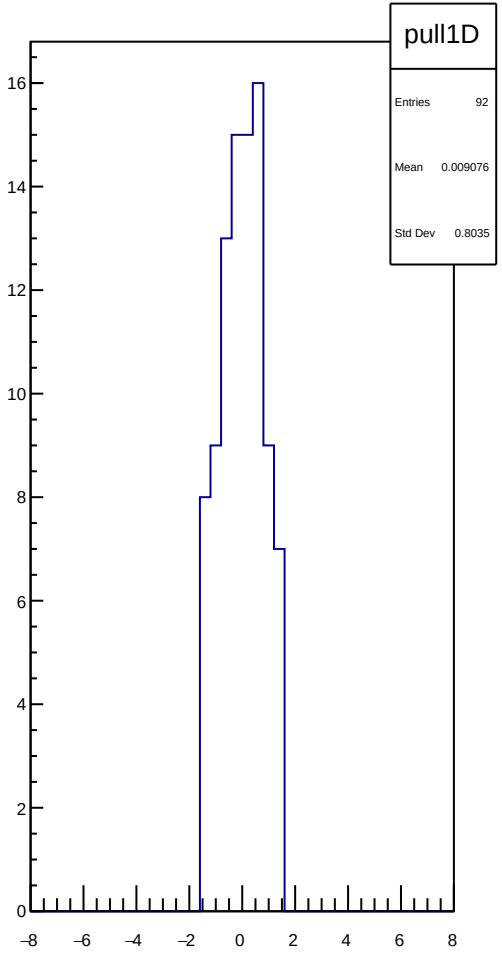

dit_asym_atr_avg_rms vs run
χ² / ndf 1.148e+04 / 91
p0 1849 ± 1.367
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

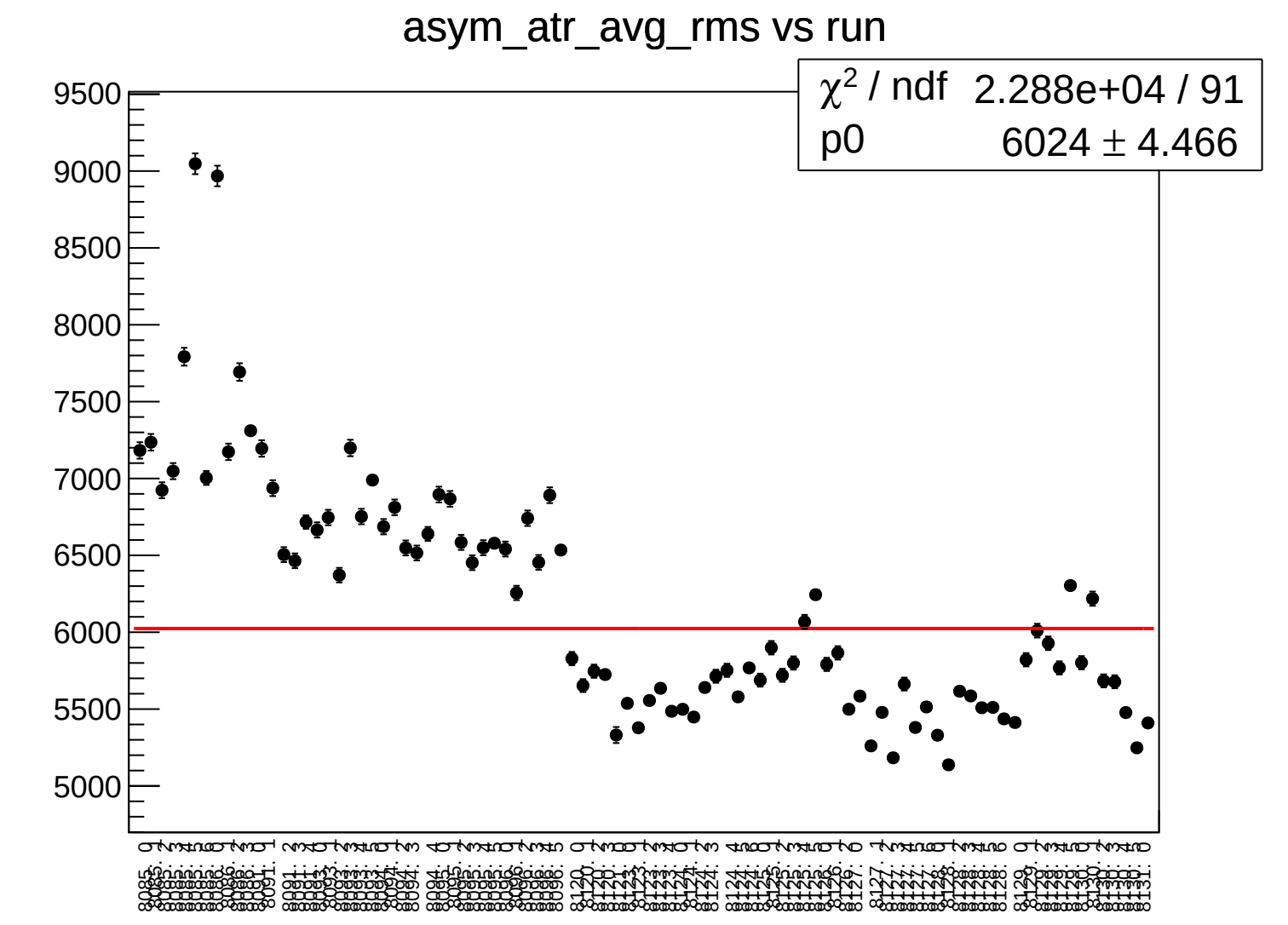

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 59.27 / 91
p0 9675 ± 6094
200
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −3132
Std Dev 3188
2
1.5
1
0.5
0
−0.5
−1
−1.5

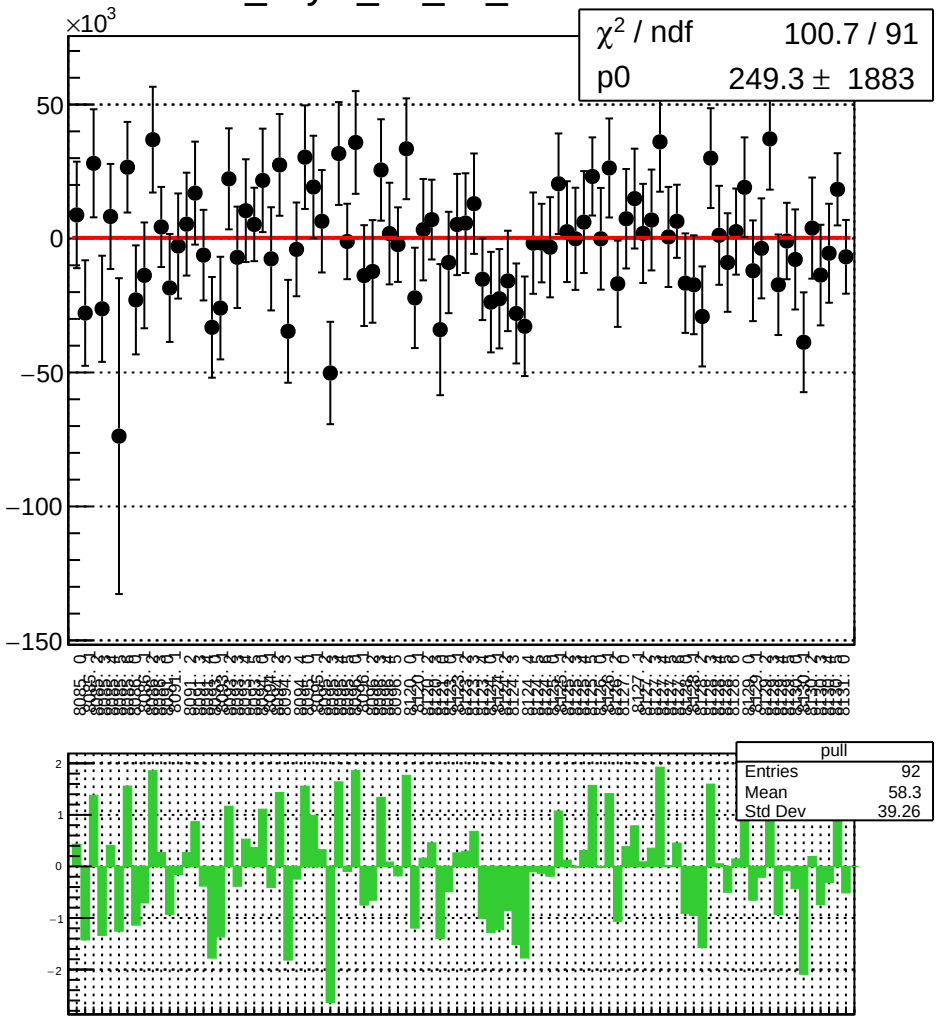

pull1D
Entries 92
Mean 0.0007403
Std Dev 0.8026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

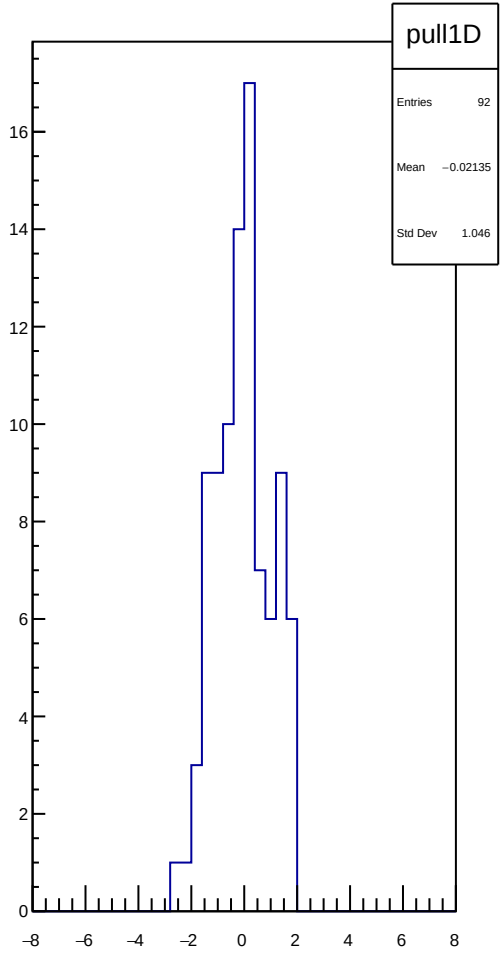

asym_atr_avg_correction_rms vs run
χ² / ndf 9272 / 91
p0 5835 ± 4.309
8000
7500
7000
6500
6000
5500
5000

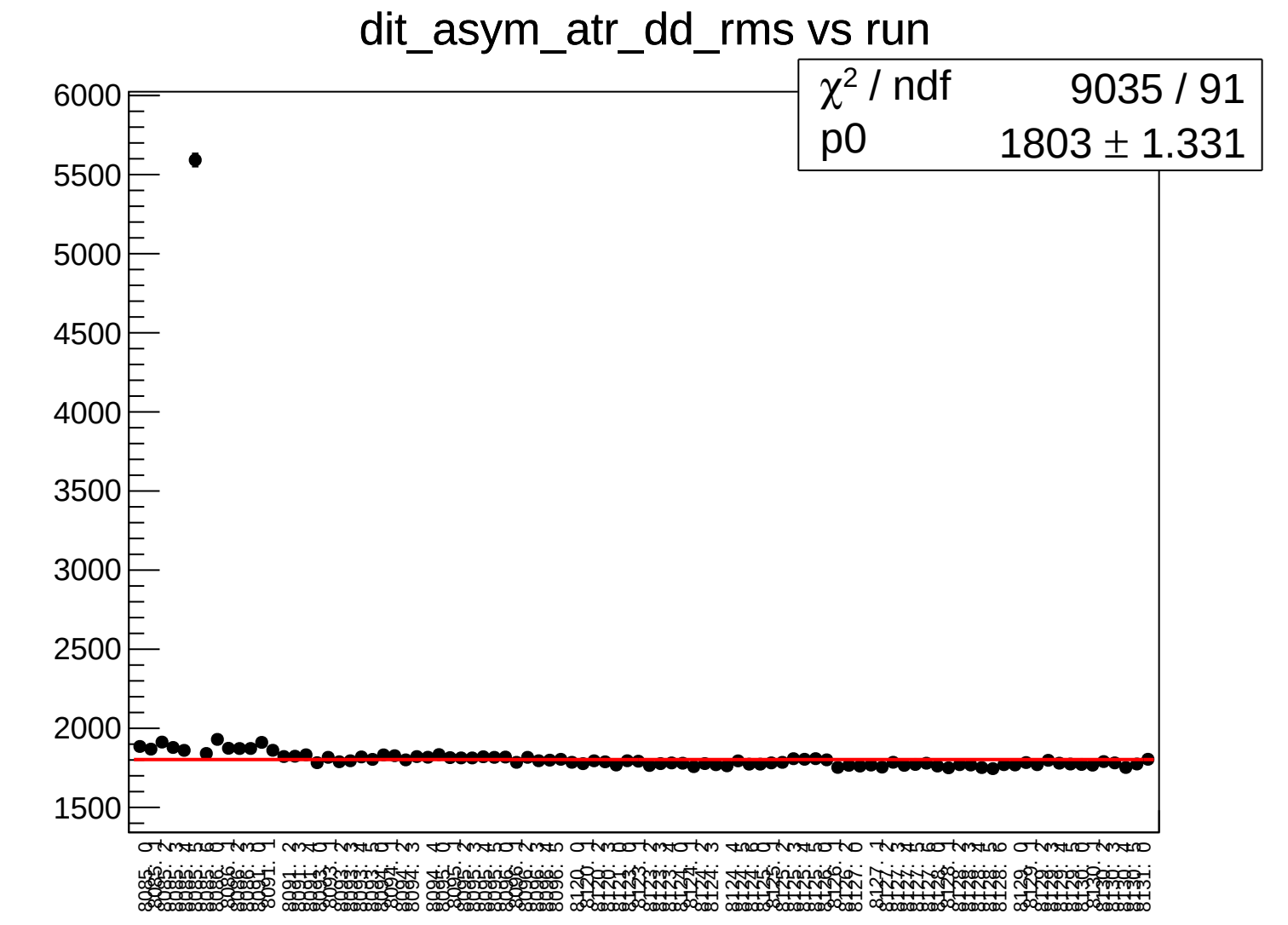

asym_atr_avg_mean vs run
×10^3
χ² / ndf 59.4 / 91
p0 −1.334e+04 ± 6315
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 160.2
Std Dev 71.31
1.5
1
0.5
0
−0.5
−1
−1.5

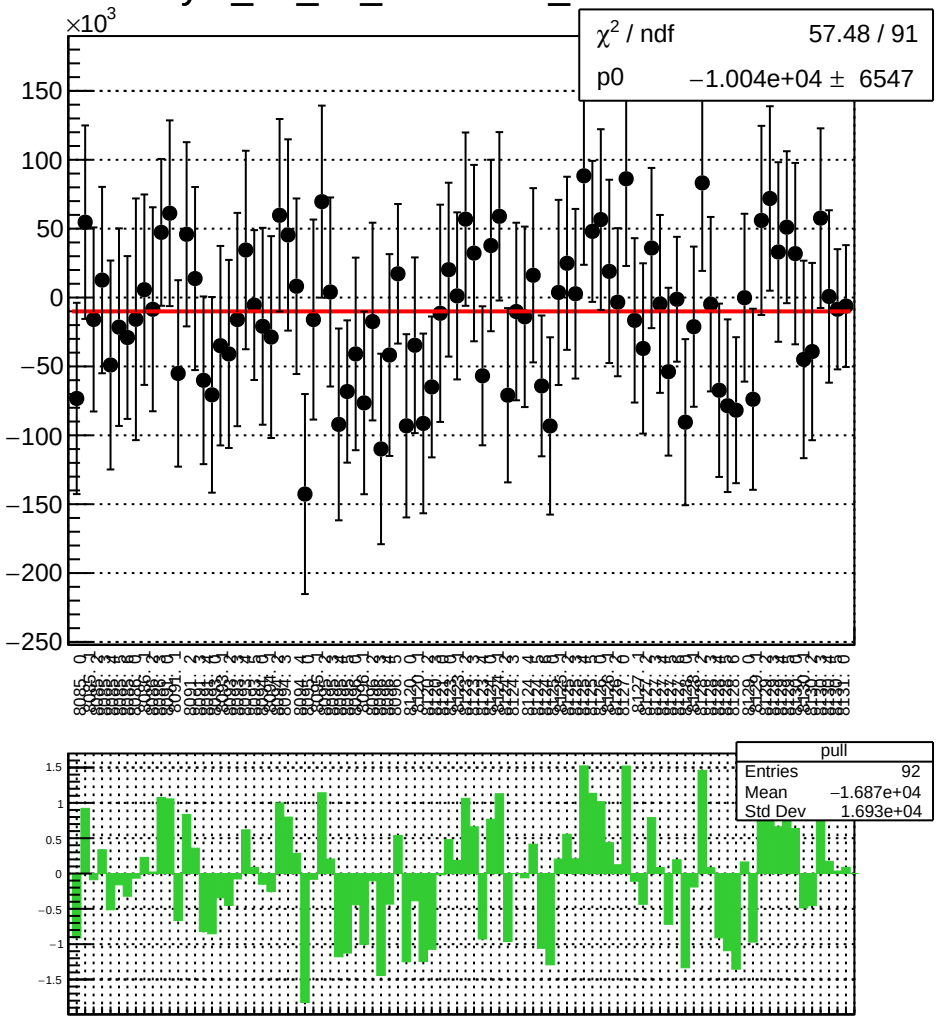

pull1D
Entries 92
Mean 0.009076
Std Dev 0.8035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

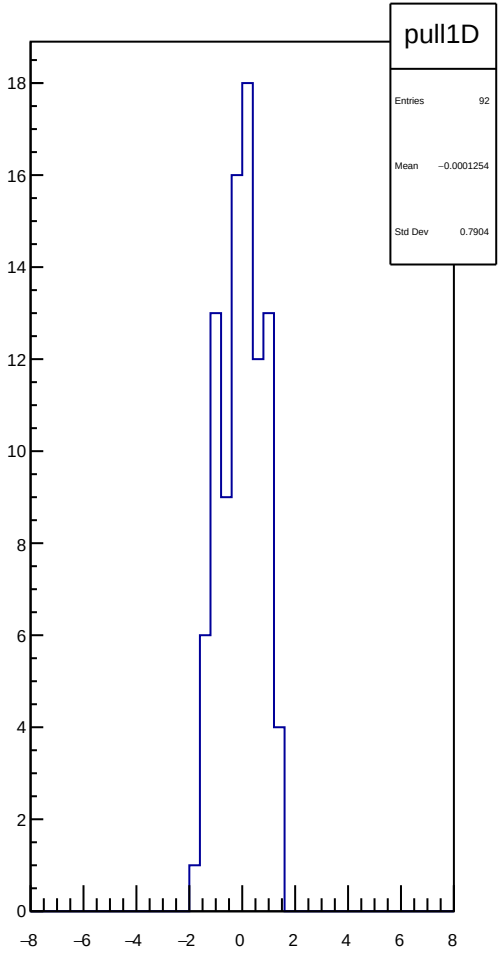

asym_atr_avg_rms vs run
χ^2 / ndf 2.288e+04 / 91
p0 6024 ± 4.466
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000

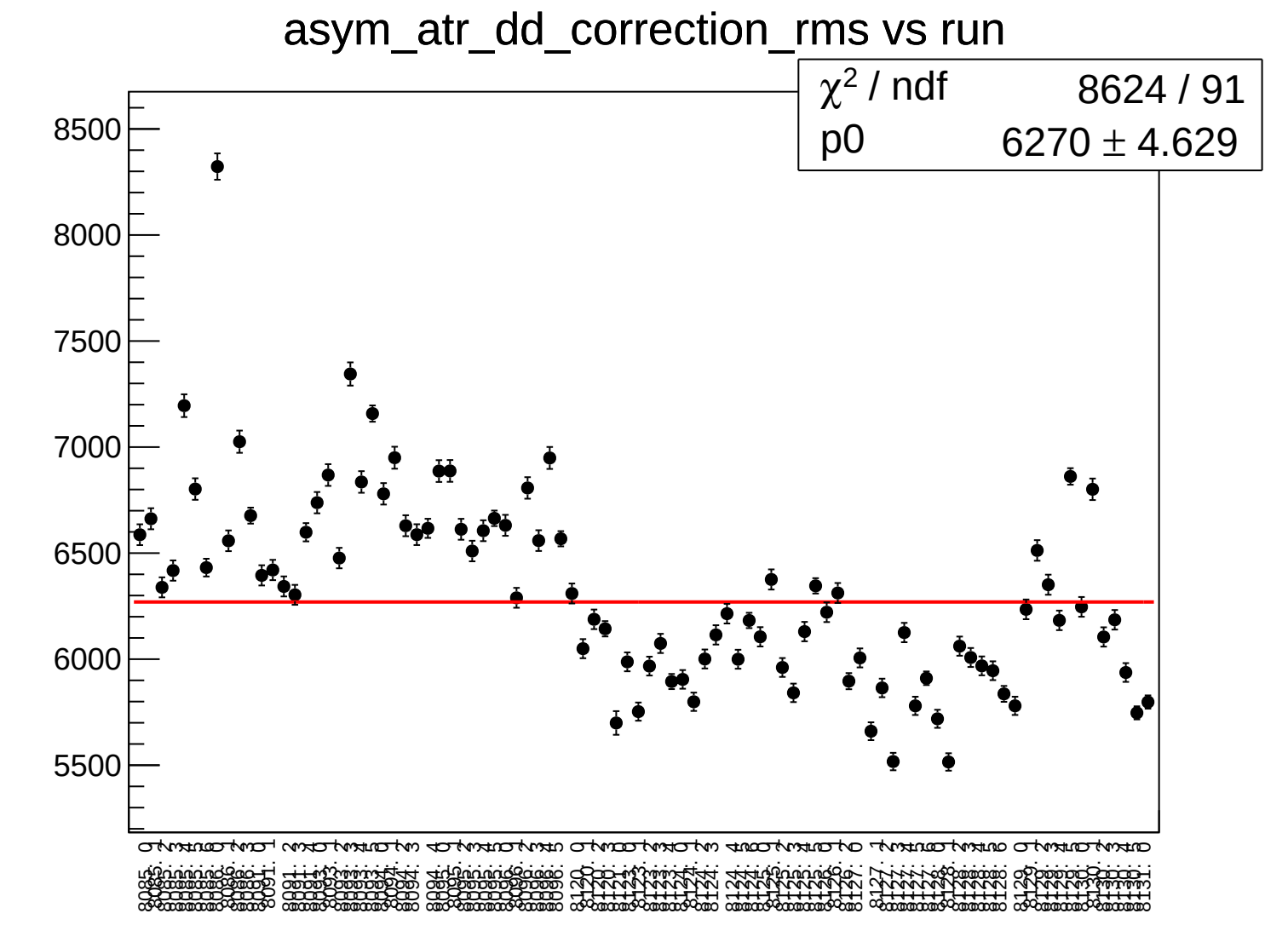

dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 100.7 / 91
p0 249.3 ± 1883
50
0
−50
−100
−150
pull
Entries 92
Mean 58.3
Std Dev 39.26
2
1
0
−1
−2

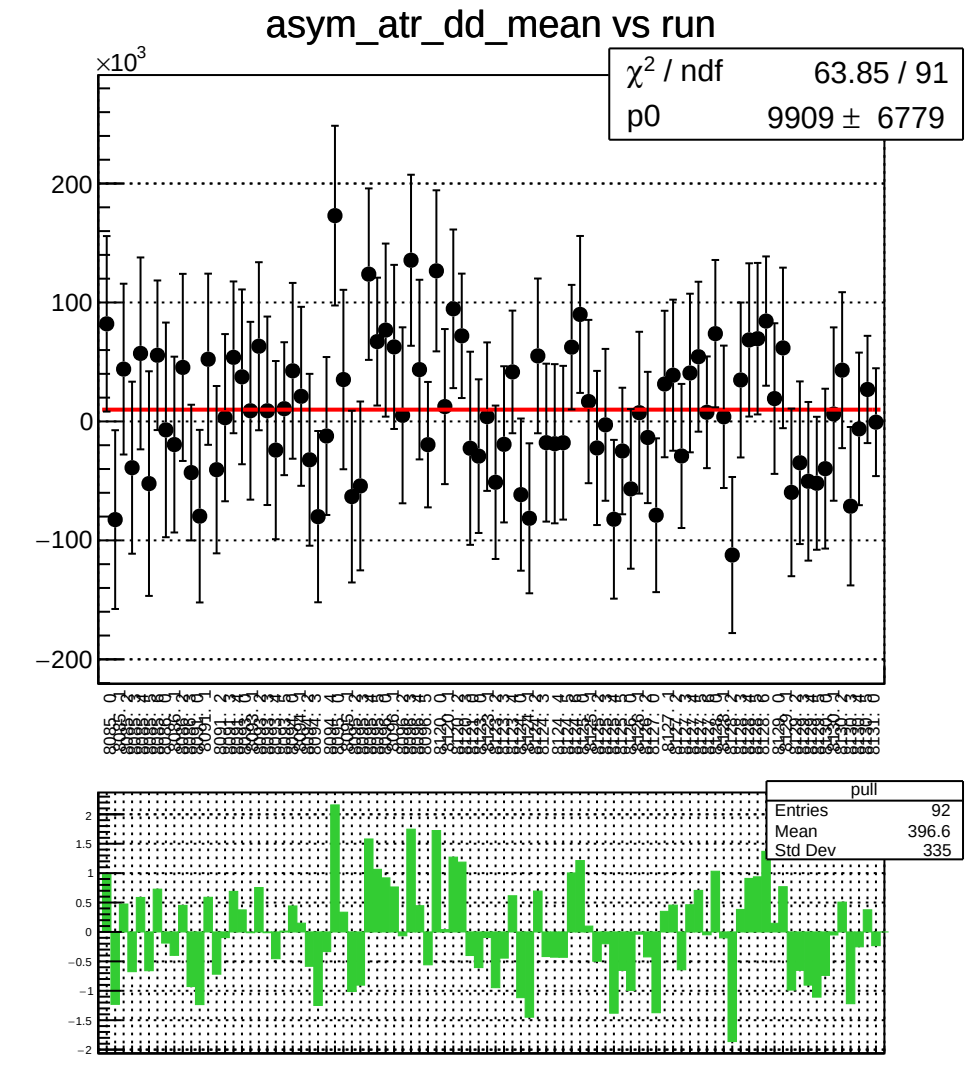

pull1D
Entries 92
Mean −0.02135
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

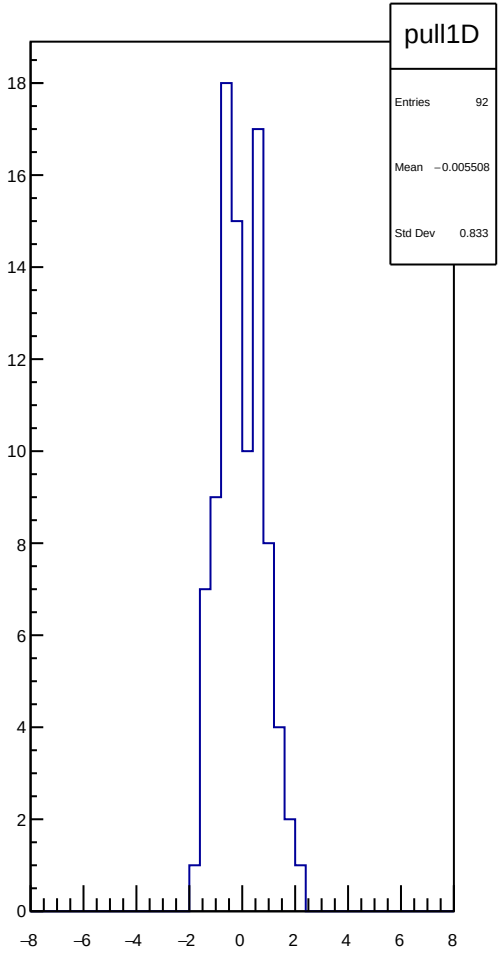

dit_asym_atr_dd_rms vs run
χ^2 / ndf 9035 / 91
p0 1803 ± 1.331
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

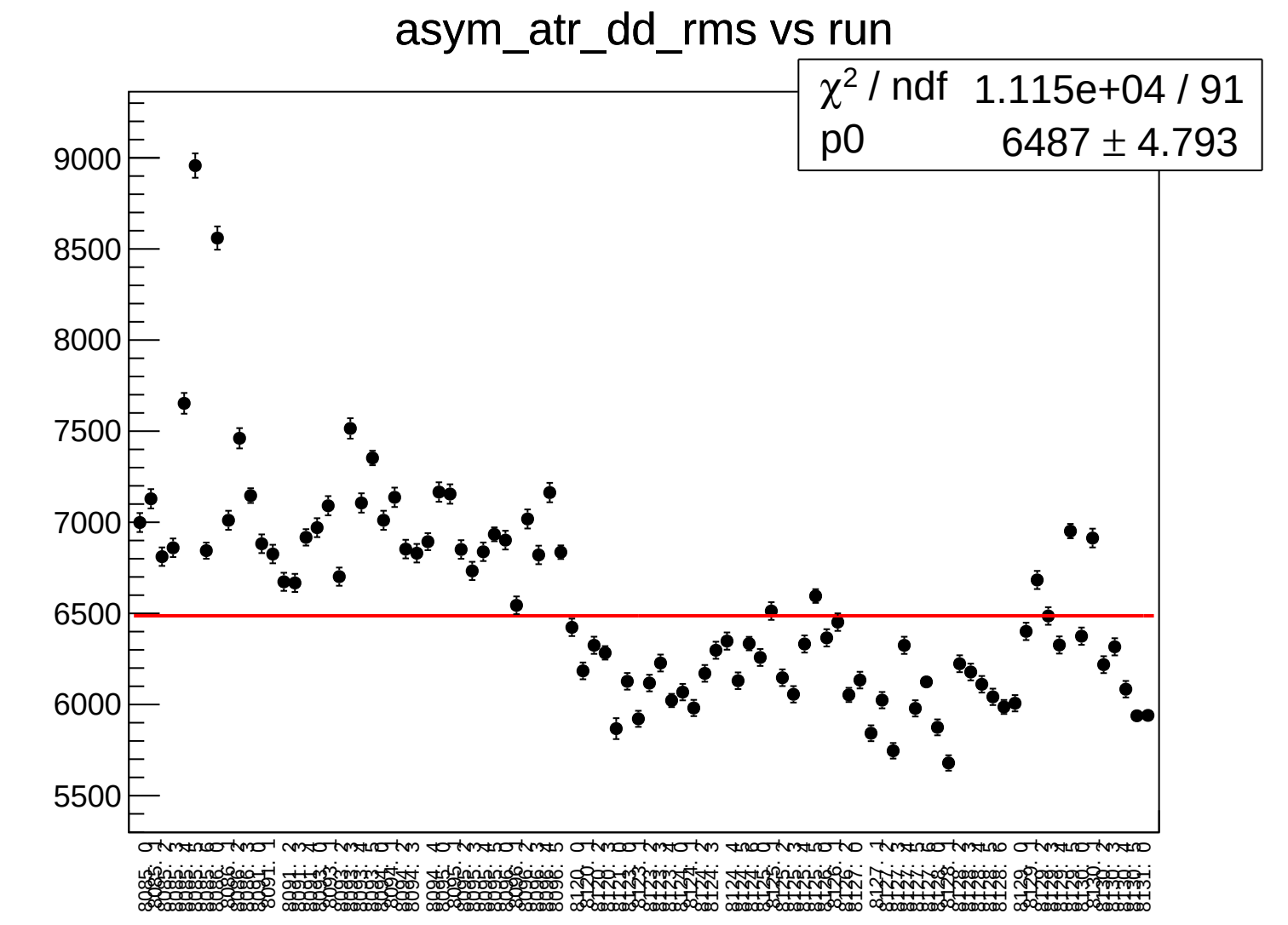

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 57.48 / 91
p0 −1.004e+04 ± 6547
pull
Entries 92
Mean −1.687e+04
Std Dev 1.693e+04

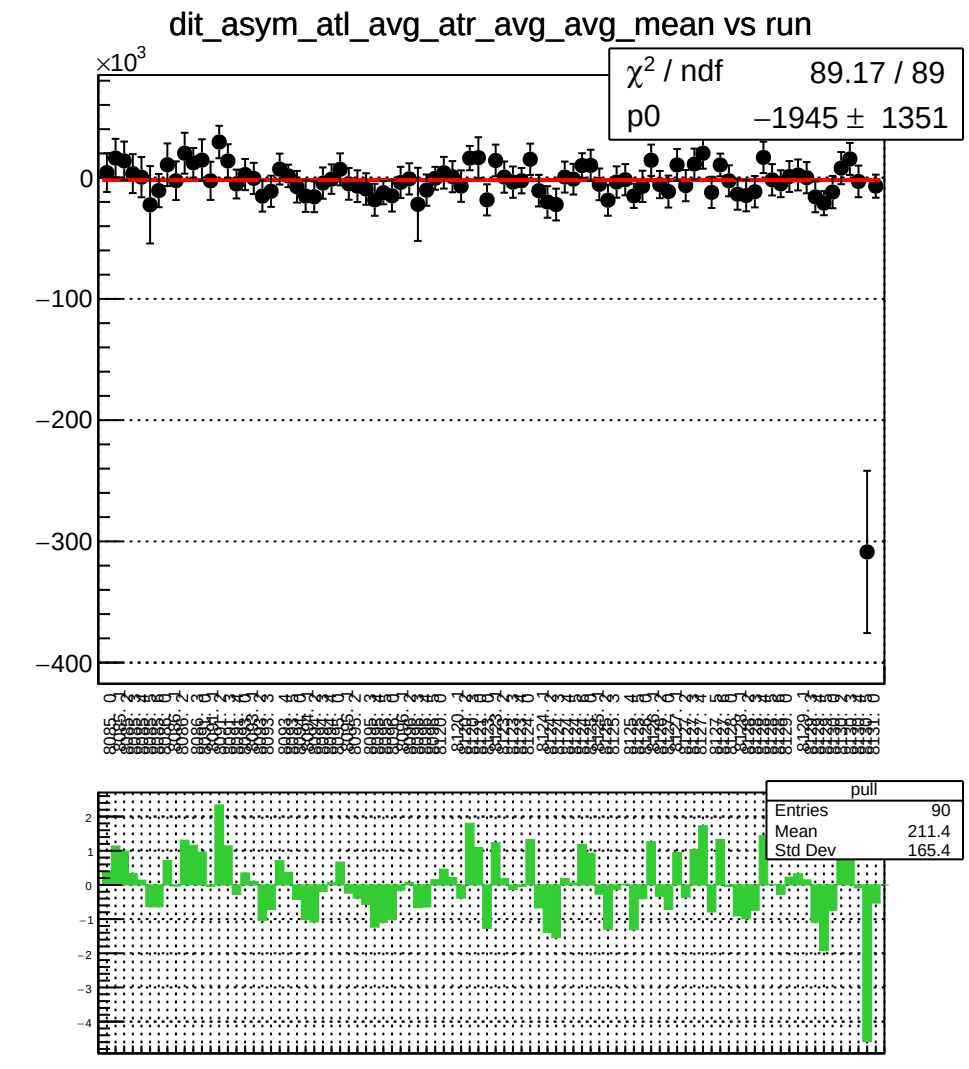

pull1D
Entries 92
Mean −0.0001254
Std Dev 0.7904

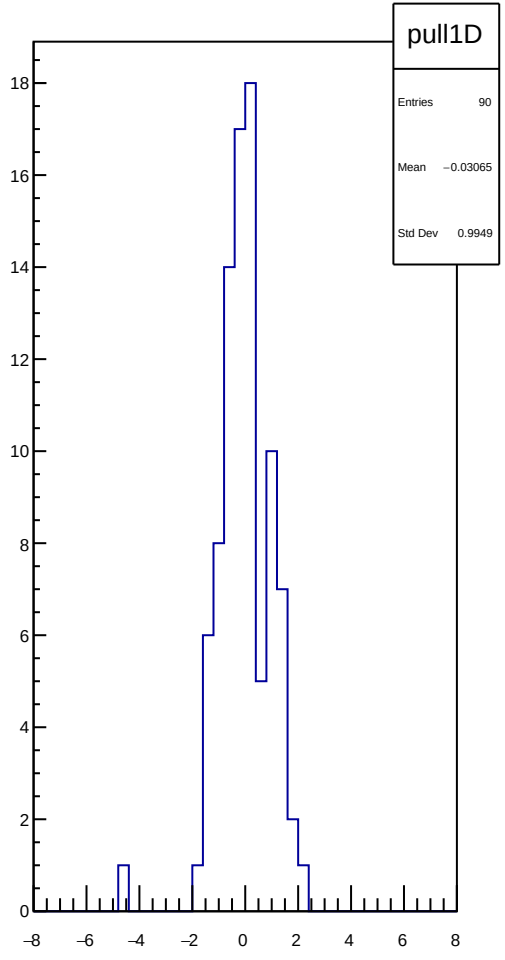

asym_atr_dd_correction_rms vs run
χ² / ndf 8624 / 91
p0 6270 ± 4.629
8500
8000
7500
7000
6500
6000
5500

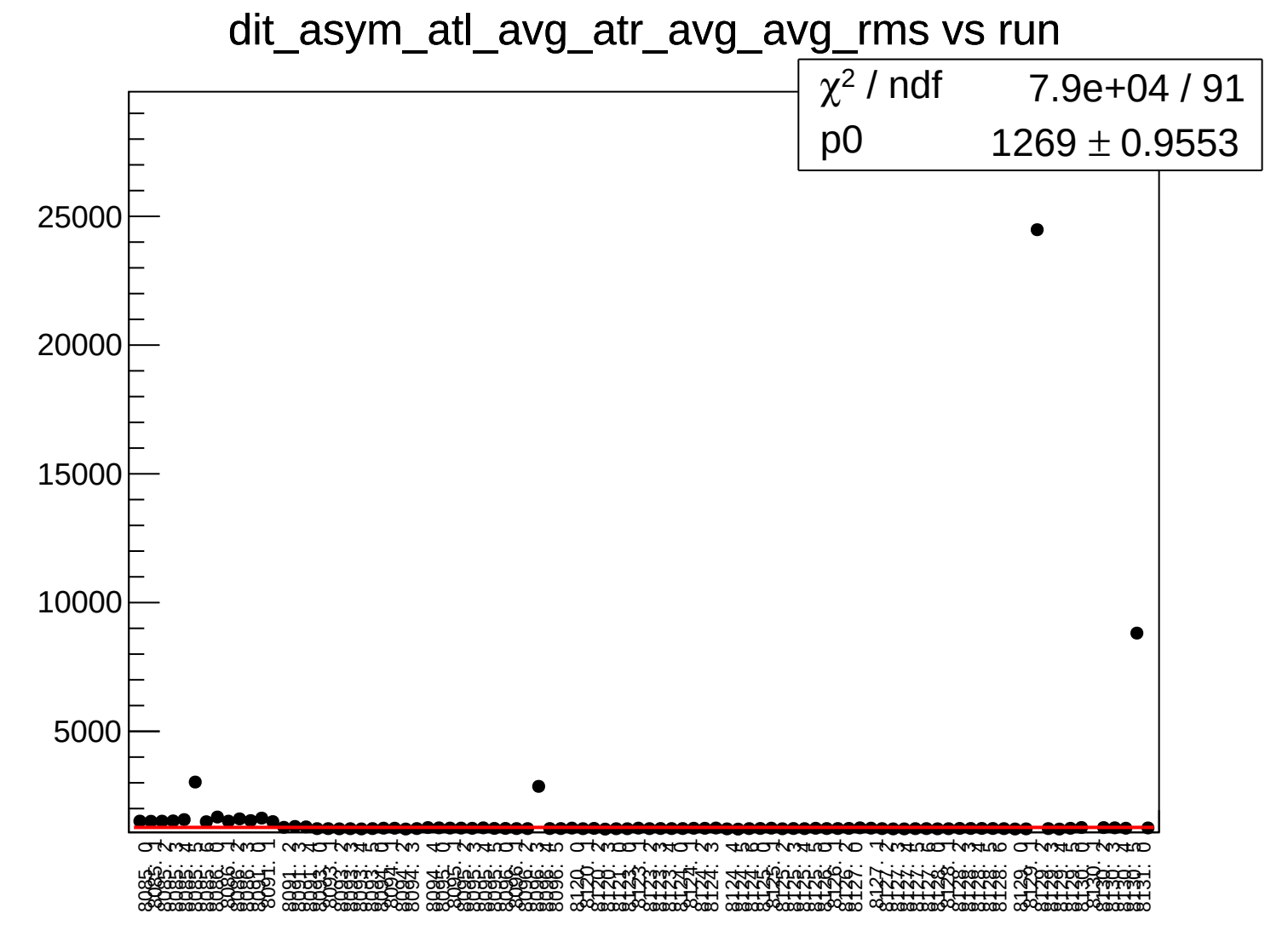

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 63.85 / 91
p0 9909 ± 6779
200
100
0
−100
−200
pull
Entries 92
Mean 396.6
Std Dev 335
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

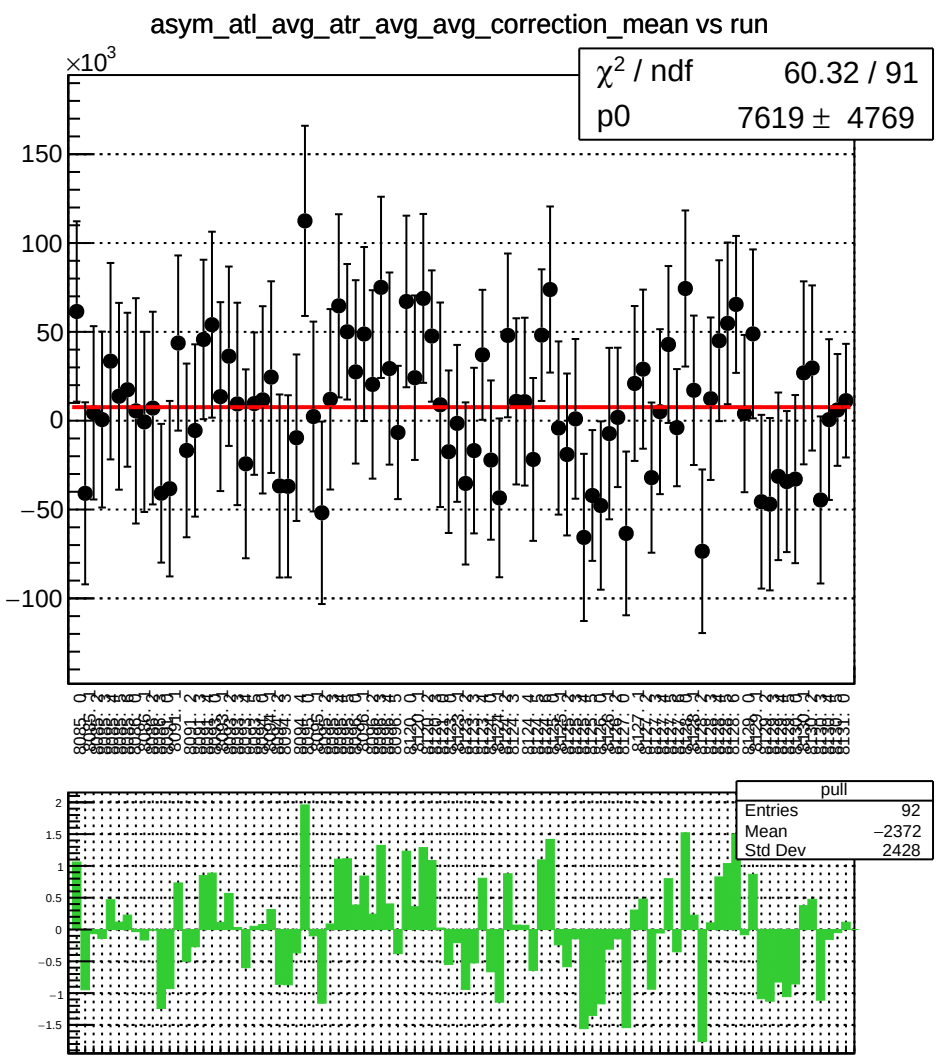

pull1D
Entries 92
Mean −0.005508
Std Dev 0.833
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

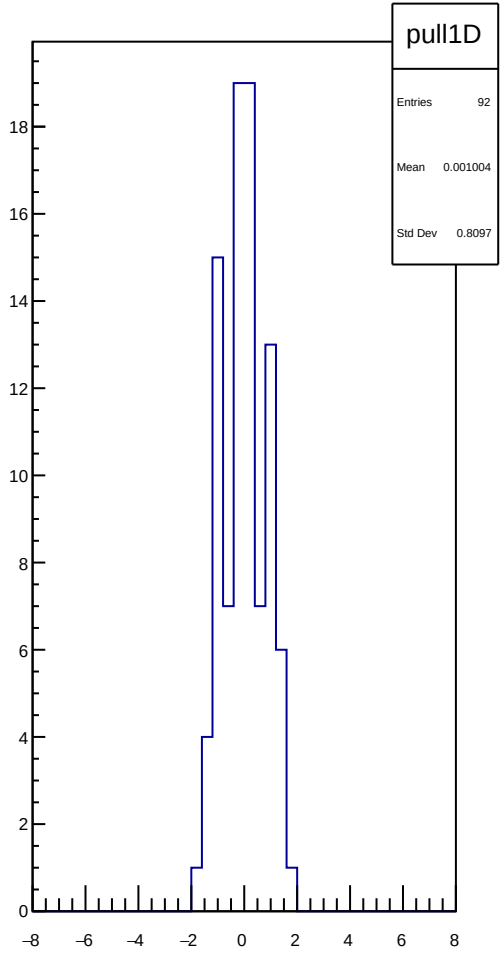

asym_atr_dd_rms vs run
χ^2 / ndf 1.115e+04 / 91
p0 6487 ± 4.793
9000
8500
8000
7500
7000
6500
6000
5500

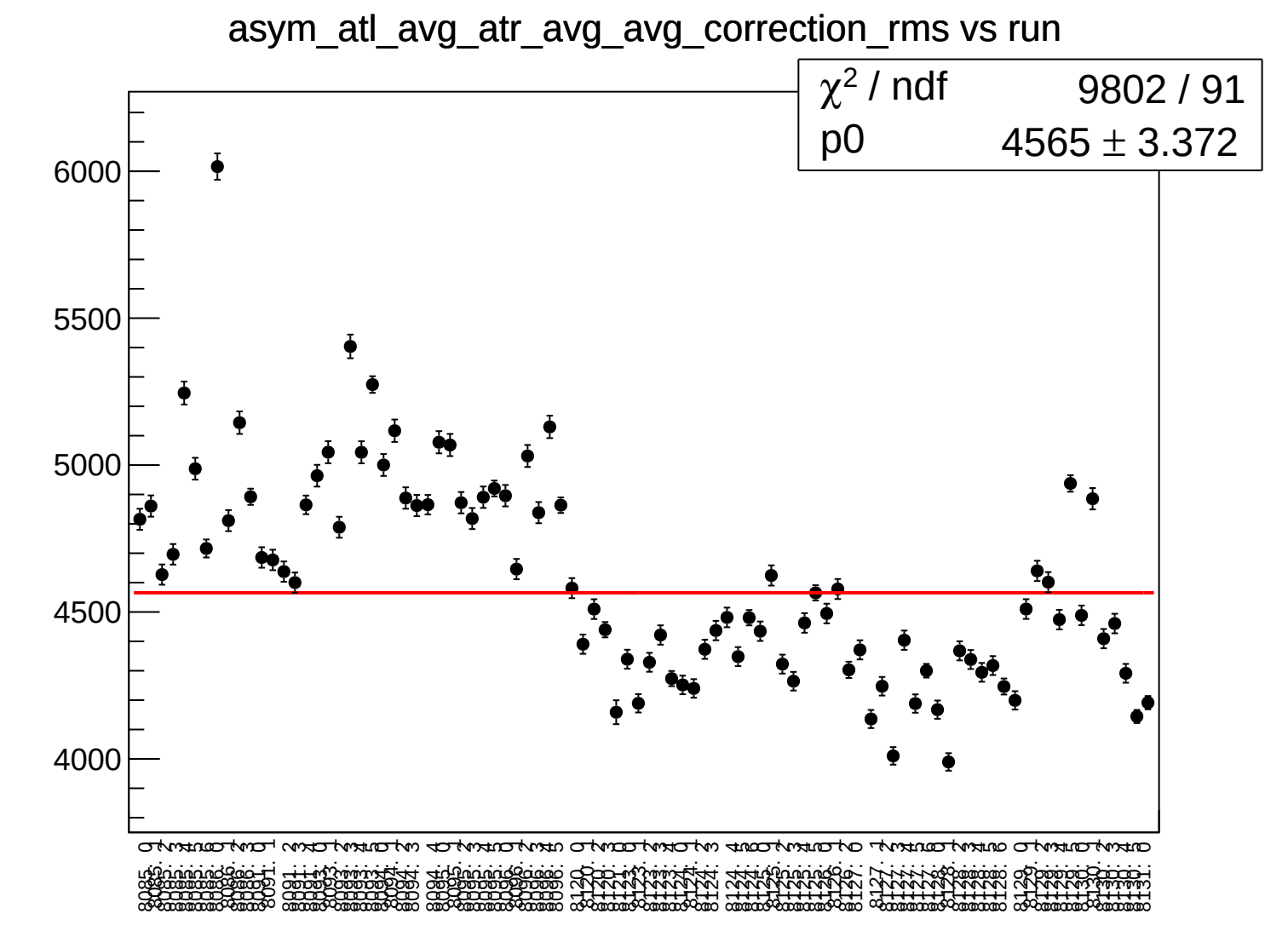

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 89.17 / 89
p0 −1945 ± 1351
×10³
0
−100
−200
−300
−400
pull
Entries 90
Mean 211.4
Std Dev 165.4
2
1
0
−1
−2
−3
−4

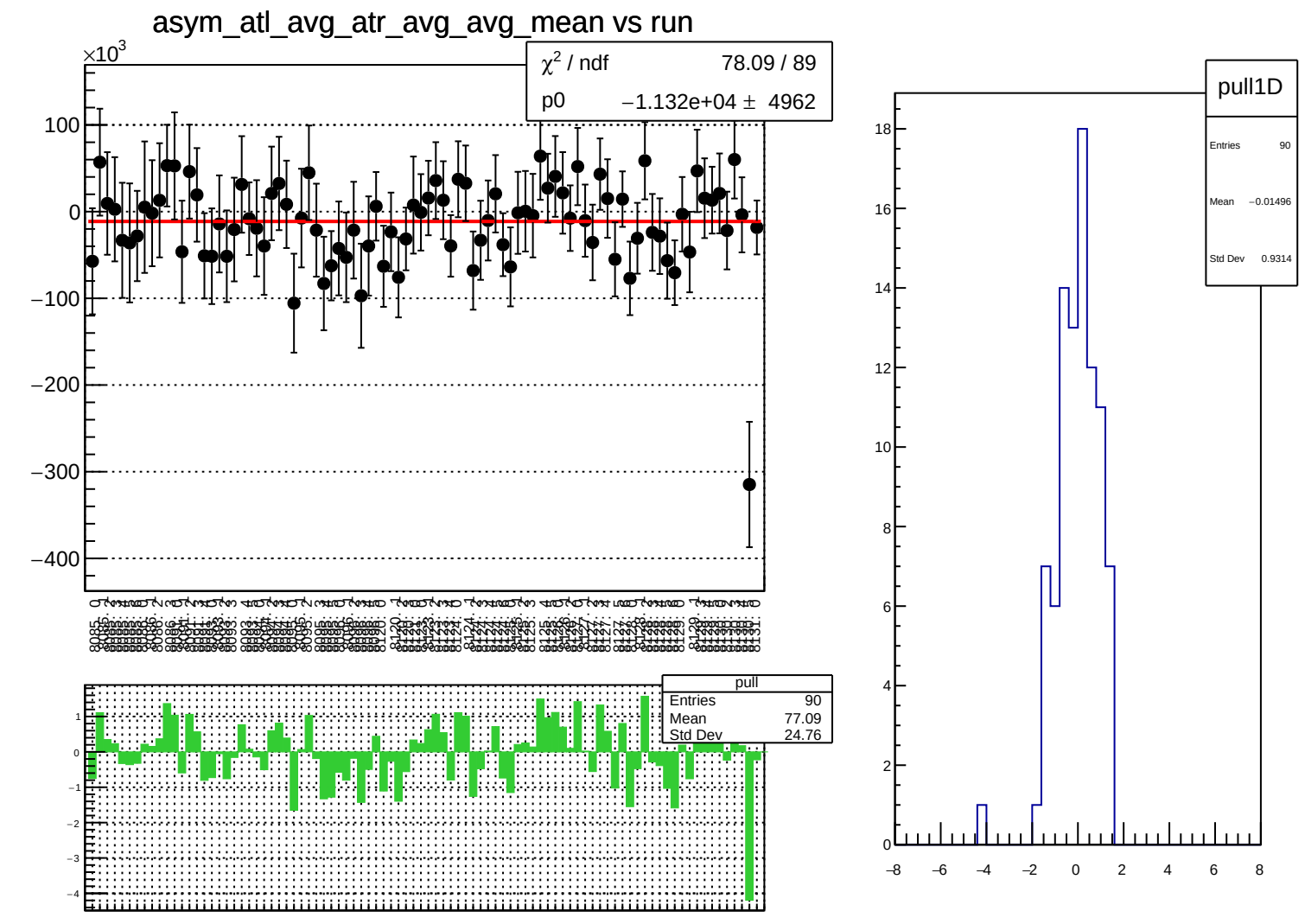

pull1D
Entries 90
Mean −0.03065
Std Dev 0.9949
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

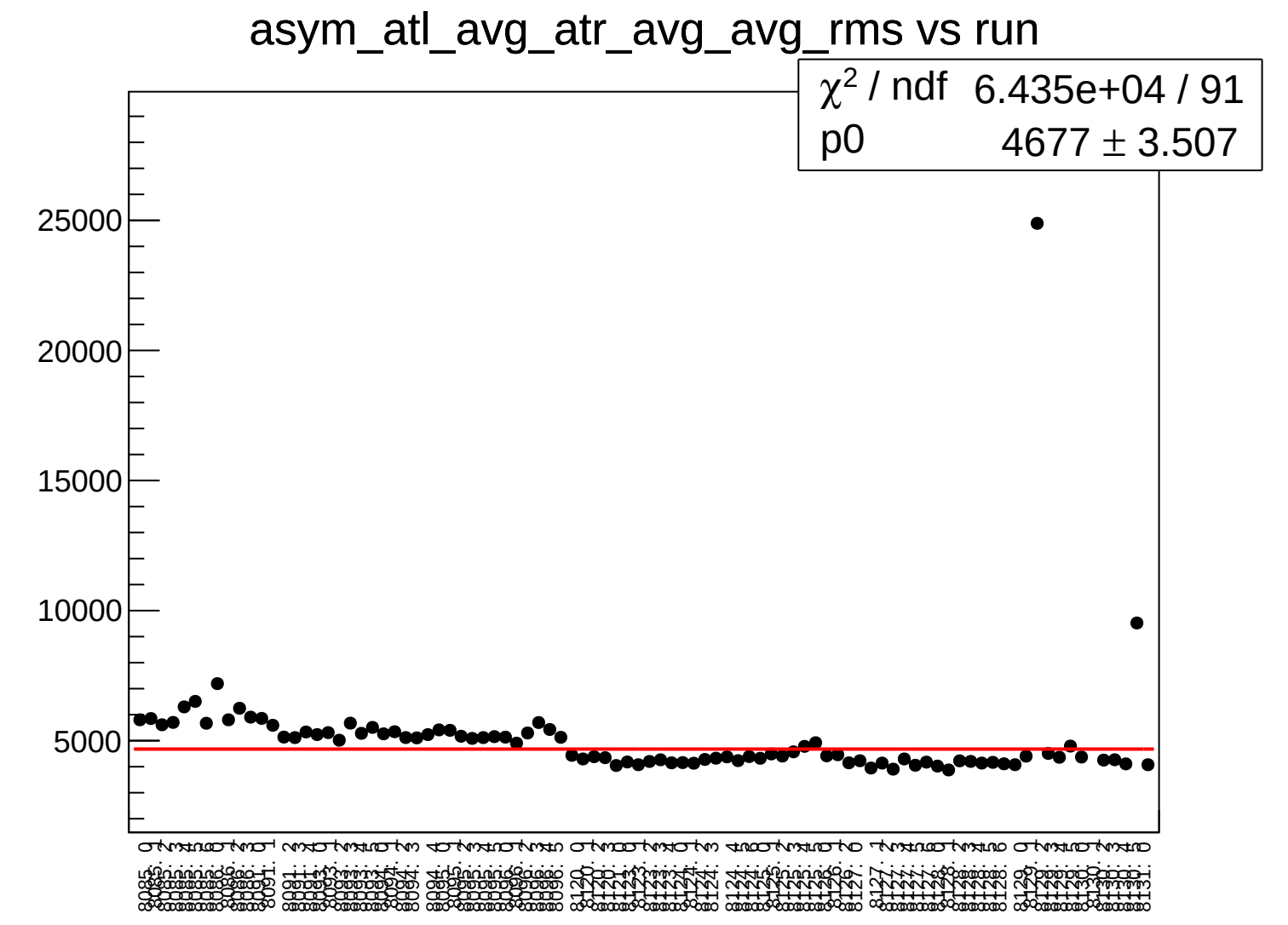

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7.9e+04 / 91
p0 1269 ± 0.9553
25000
20000
15000
10000
5000

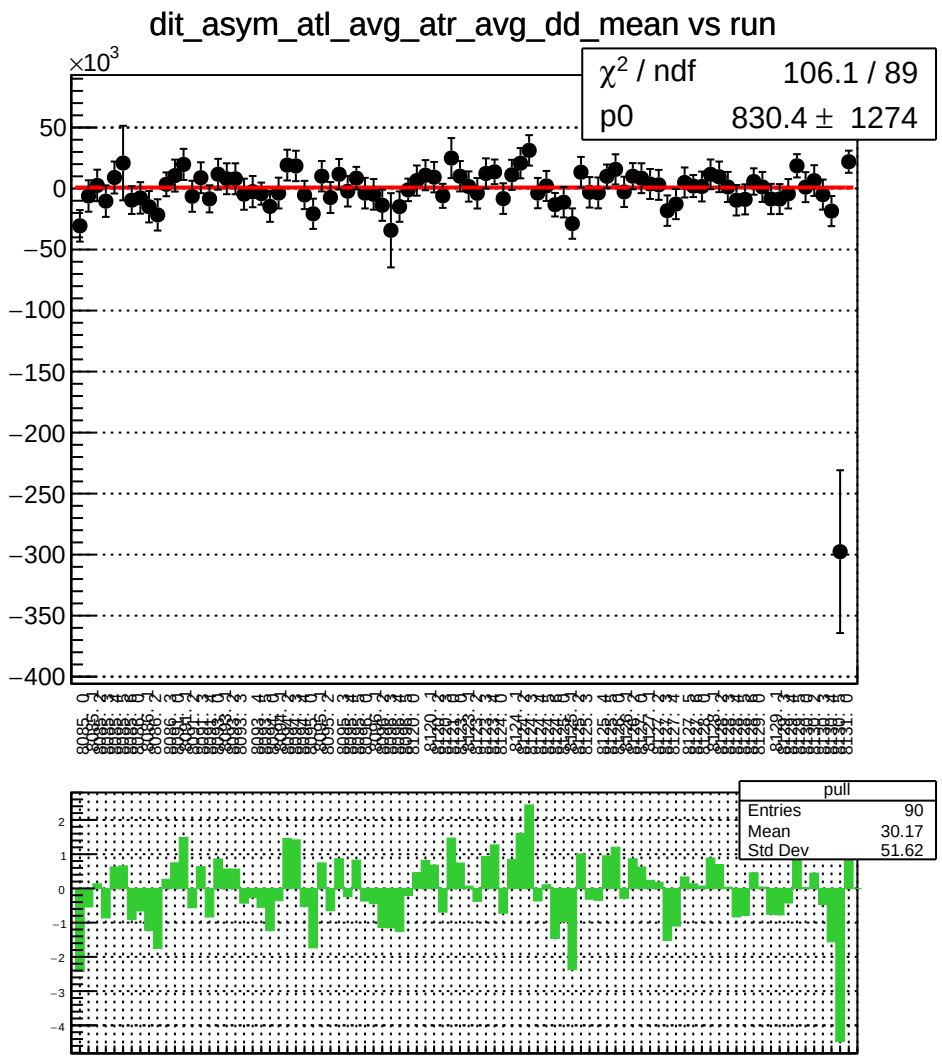

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 60.32 / 91
p0 7619 ± 4769
150
100
50
0
−50
−100
pull
Entries 92
Mean −2372
Std Dev 2428
2
1.5
1
0.5
0
−0.5
−1
−1.5

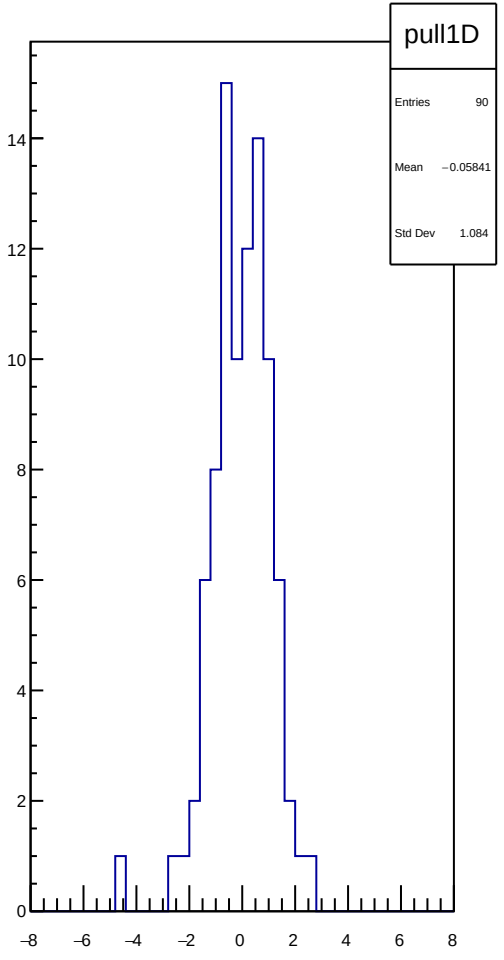

pull1D
Entries 92
Mean 0.001004
Std Dev 0.8097
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

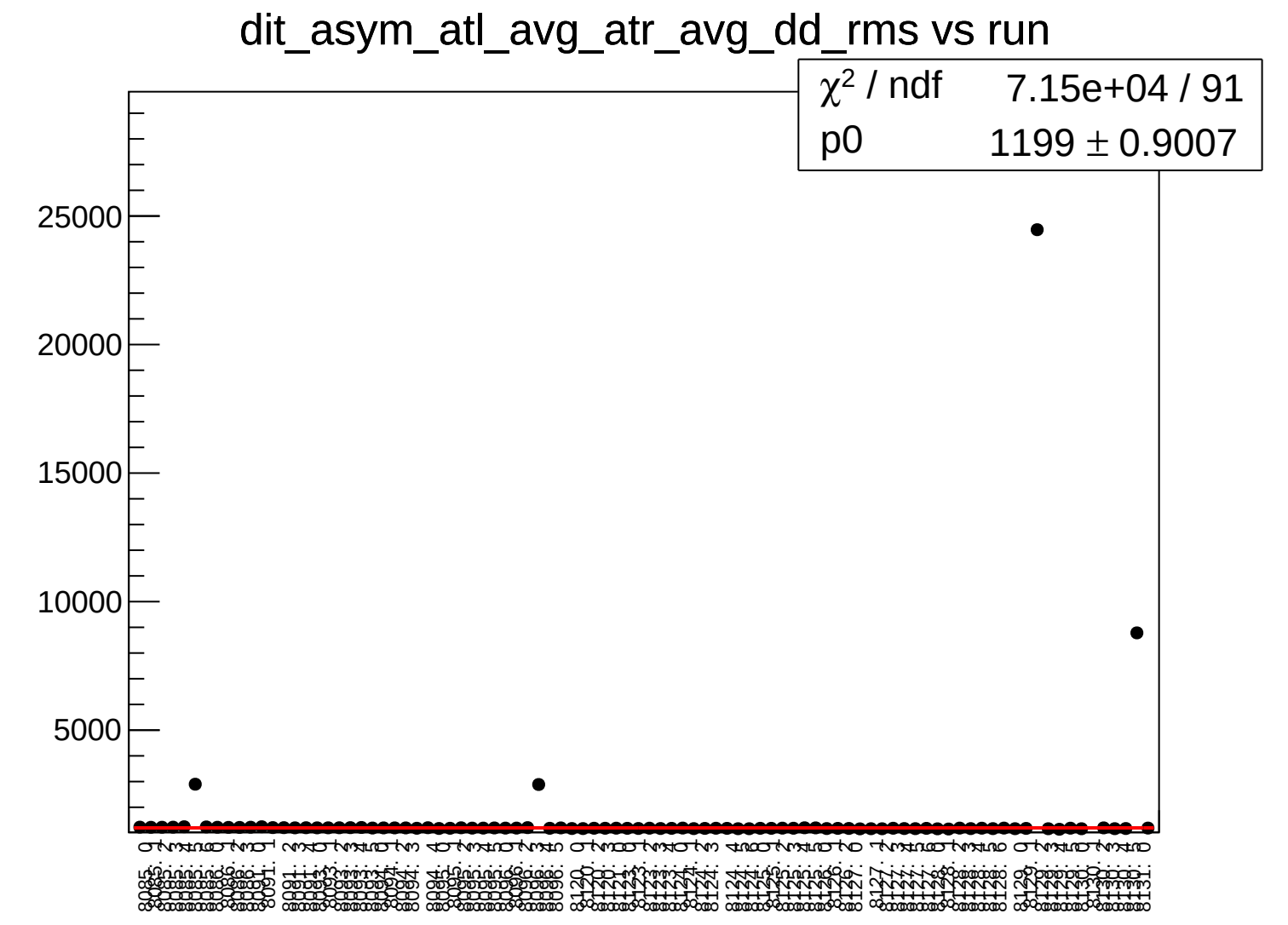

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 9802 / 91
p0 4565 ± 3.372
6000
5500
5000
4500
4000

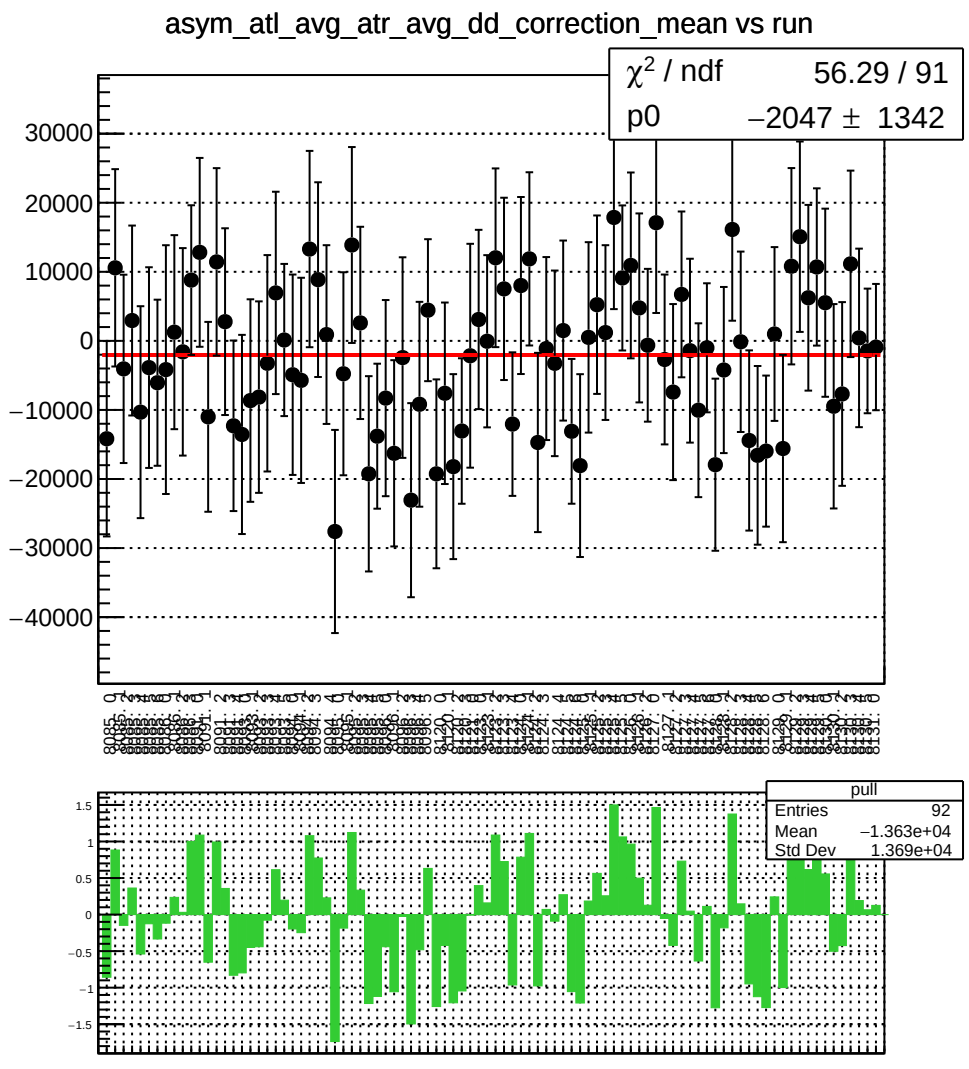

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 78.09 / 89
p0 −1.132e+04 ± 4962
100
0
−100
−200
−300
−400
pull
Entries 90
Mean 77.09
Std Dev 24.76
1
0
−1
−2
−3
−4
pull1D
Entries 90
Mean −0.01496
Std Dev 0.9314
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

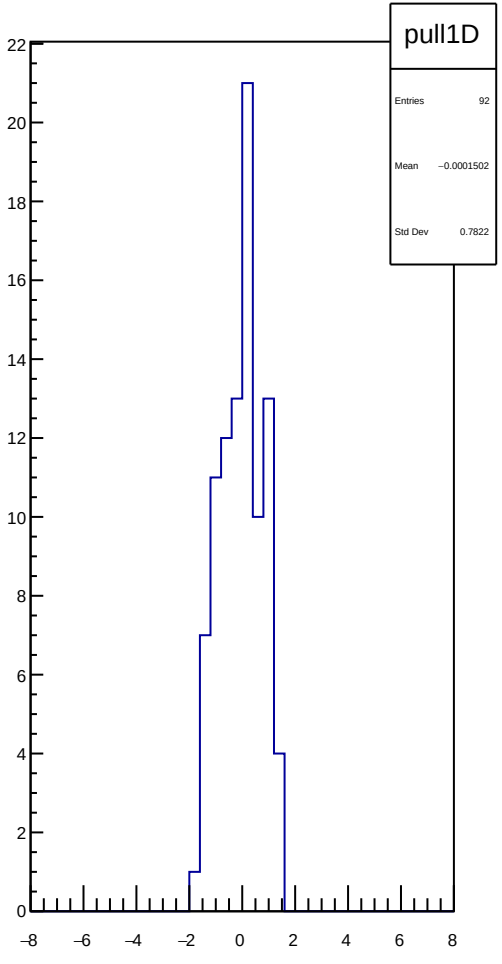

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6.435e+04 / 91
p0 4677 ± 3.507
25000
20000
15000
10000
5000

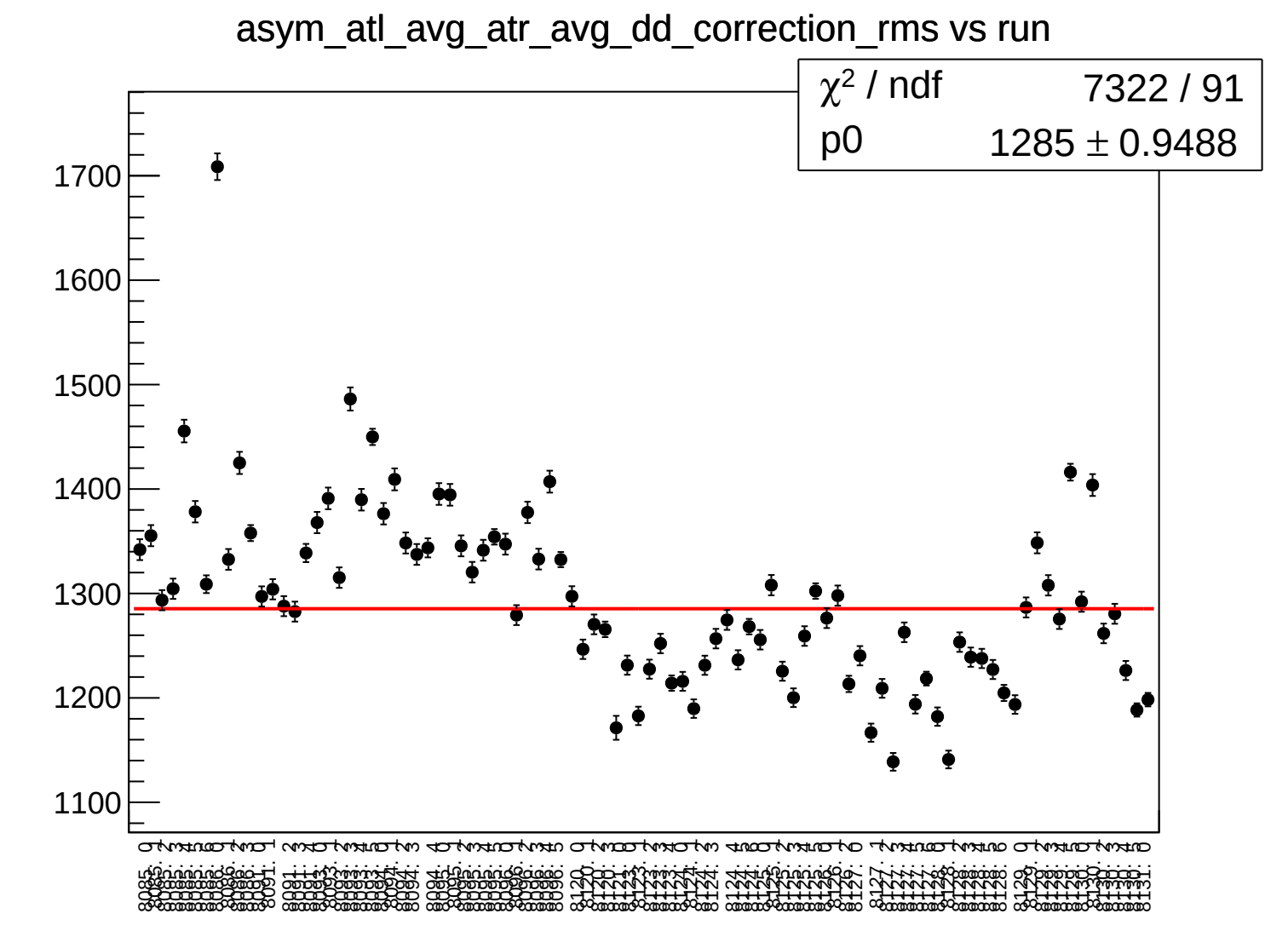

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ^2 / ndf 106.1 / 89
p0 830.4 ± 1274
50
0
−50
−100
−150
−200
−250
−300
−350
−400
pull
Entries 90
Mean 30.17
Std Dev 51.62
2
1
0
−1
−2
−3
−4

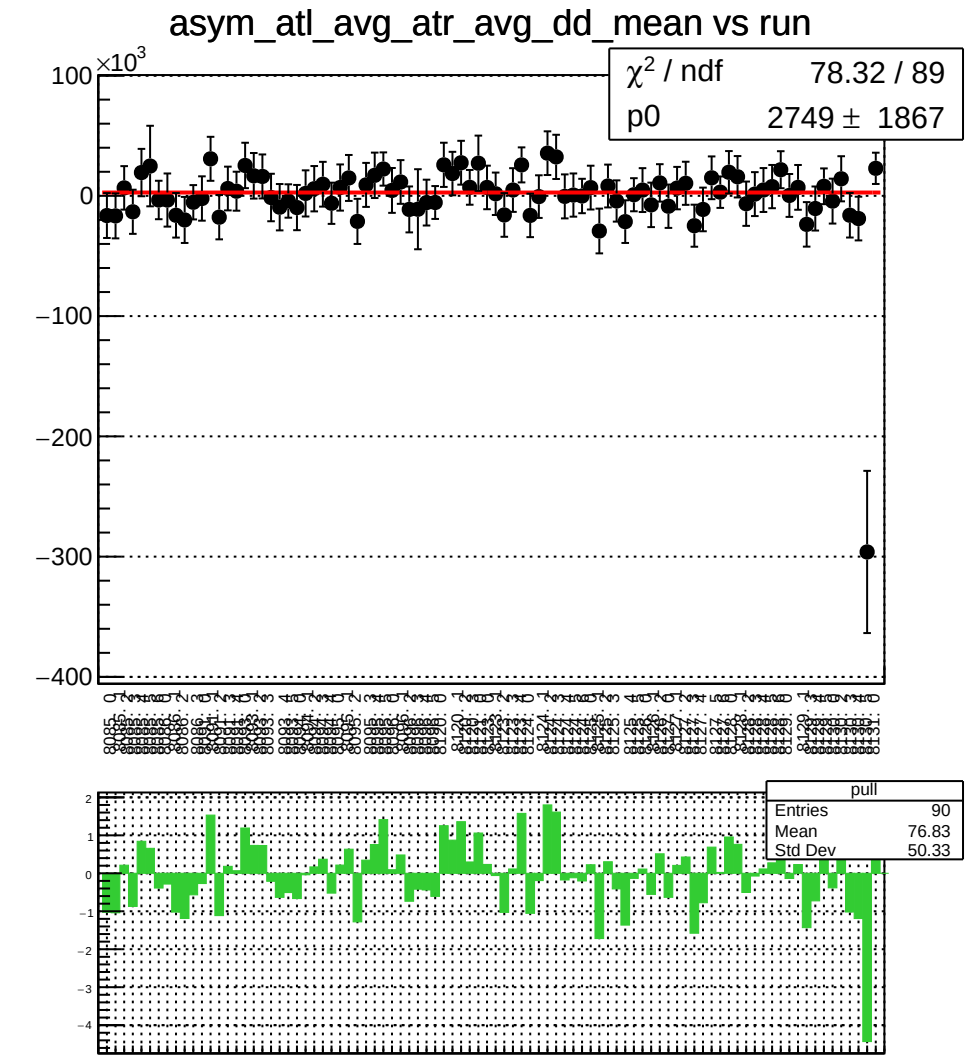

pull1D
Entries 90
Mean −0.05841
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

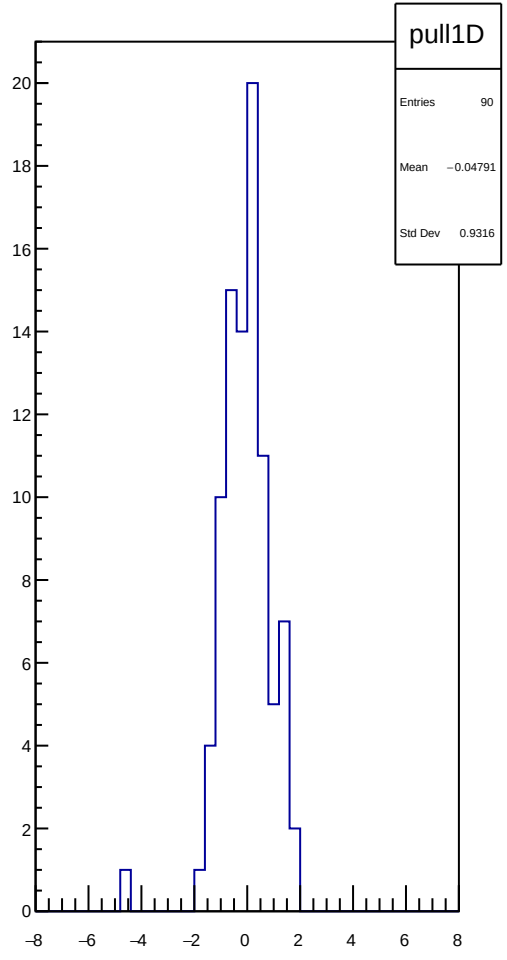

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 7.15e+04 / 91
p0 1199 ± 0.9007
25000
20000
15000
10000
5000

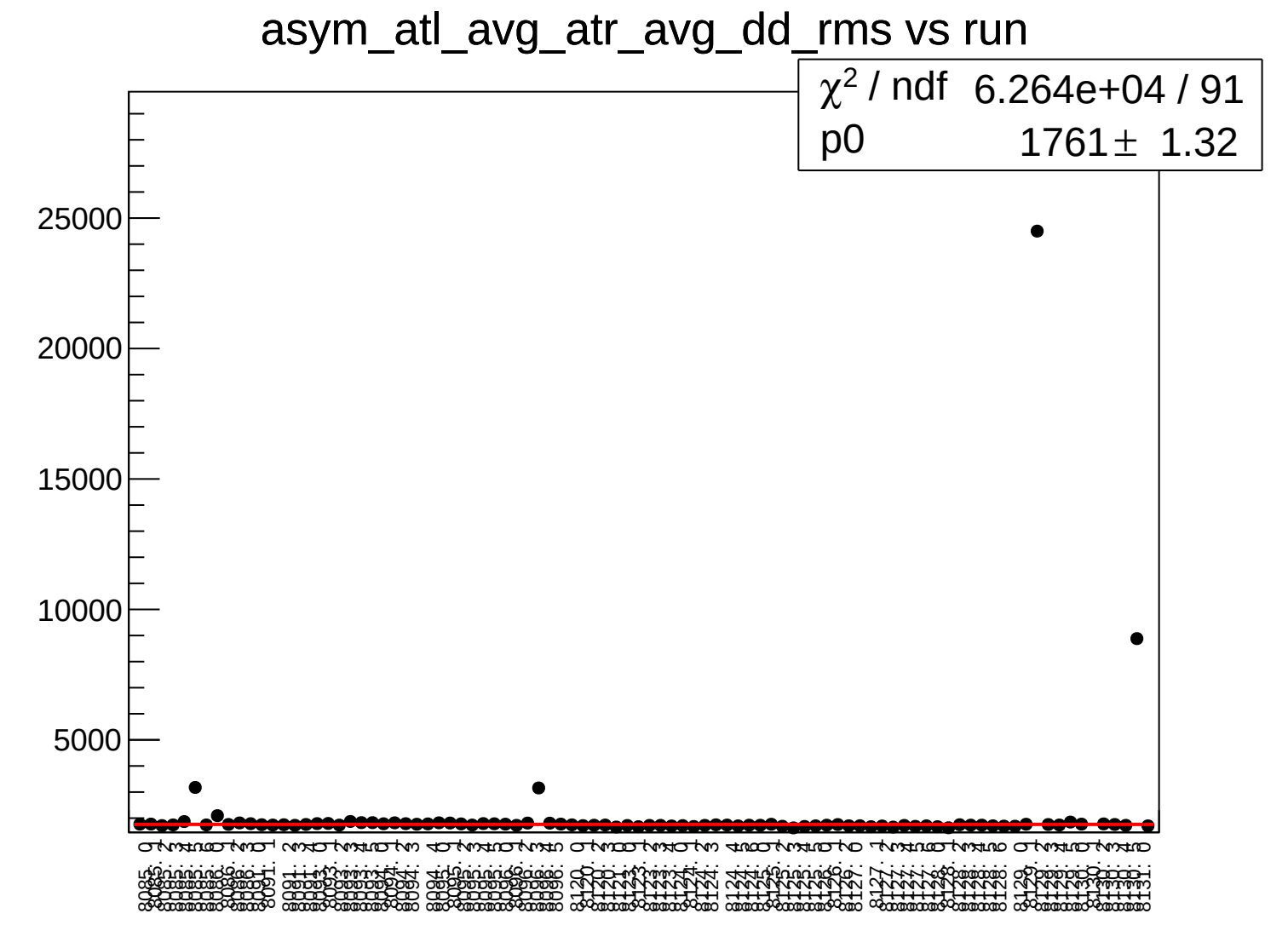

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 56.29 / 91
p0 −2047 ± 1342
pull
Entries 92
Mean −1.363e+04
Std Dev 1.369e+04

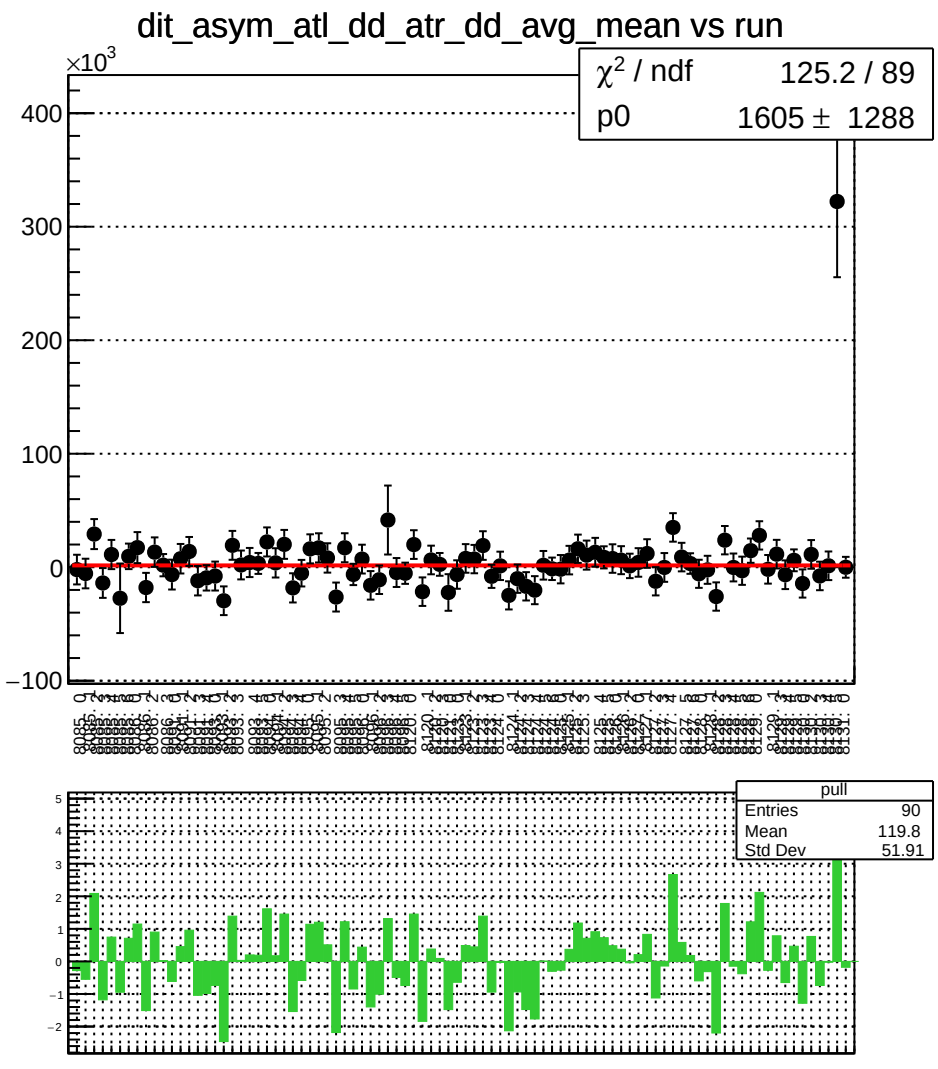

pull1D
Entries 92
Mean −0.0001502
Std Dev 0.7822

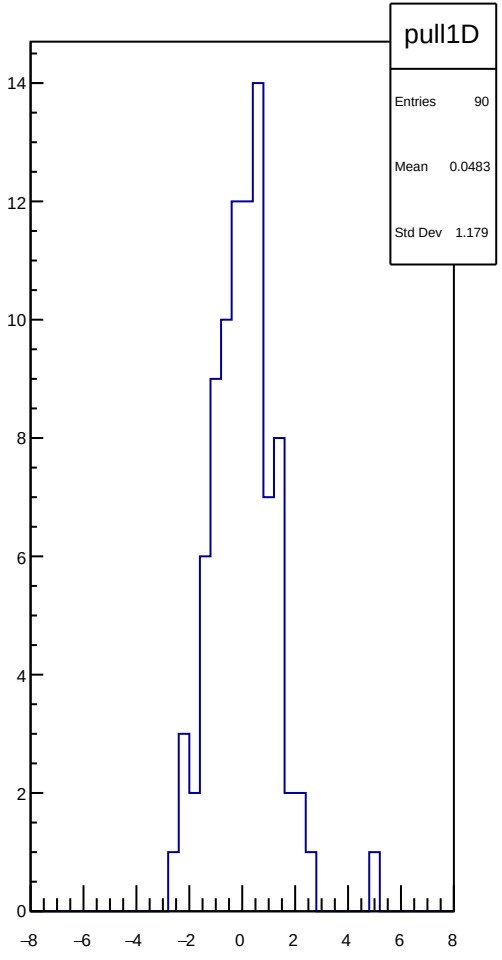

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 7322 / 91
p0 1285 ± 0.9488
1700
1600
1500
1400
1300
1200
1100

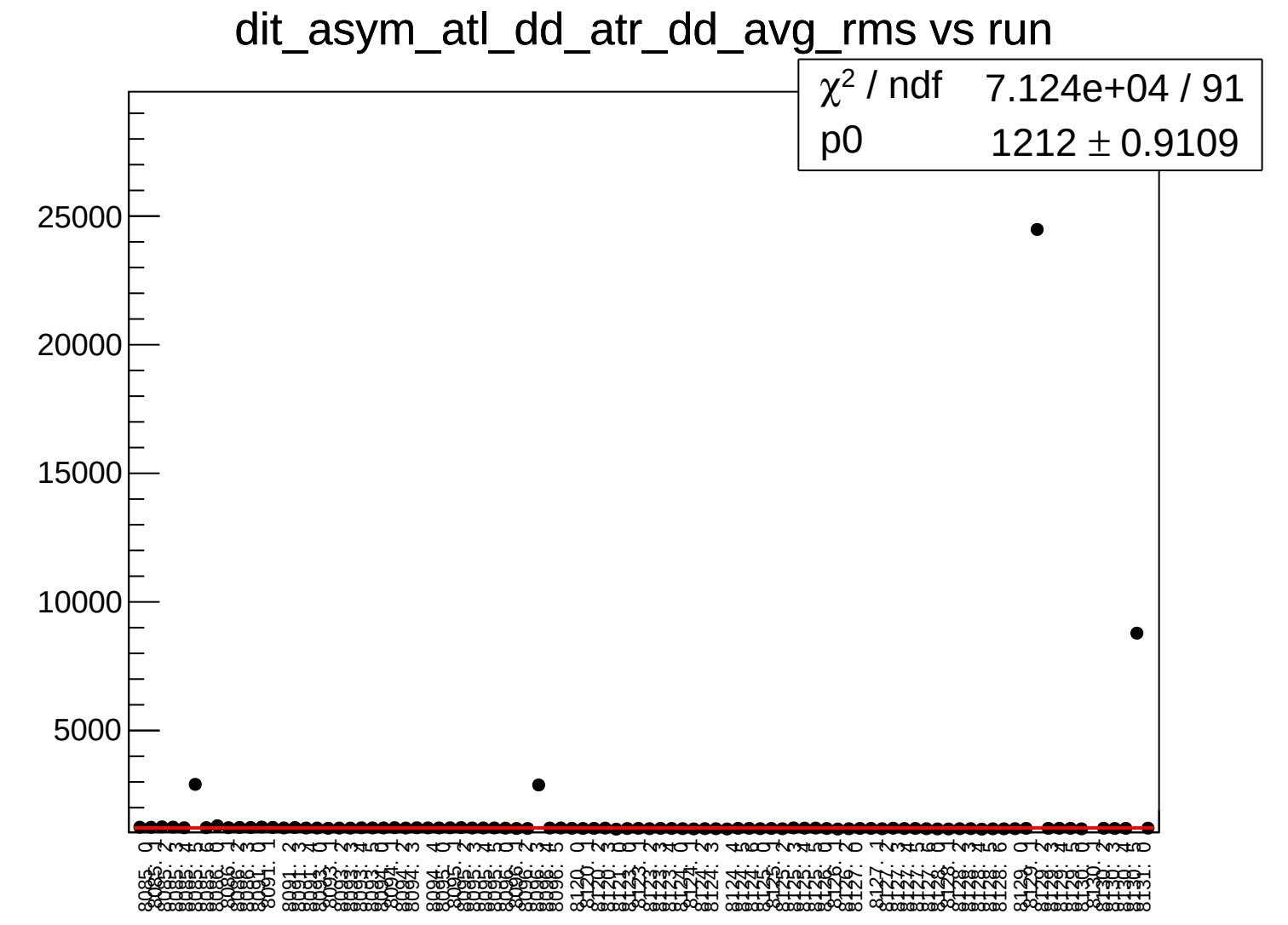

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 78.32 / 89
p0 2749 ± 1867
pull
Entries 90
Mean 76.83
Std Dev 50.33

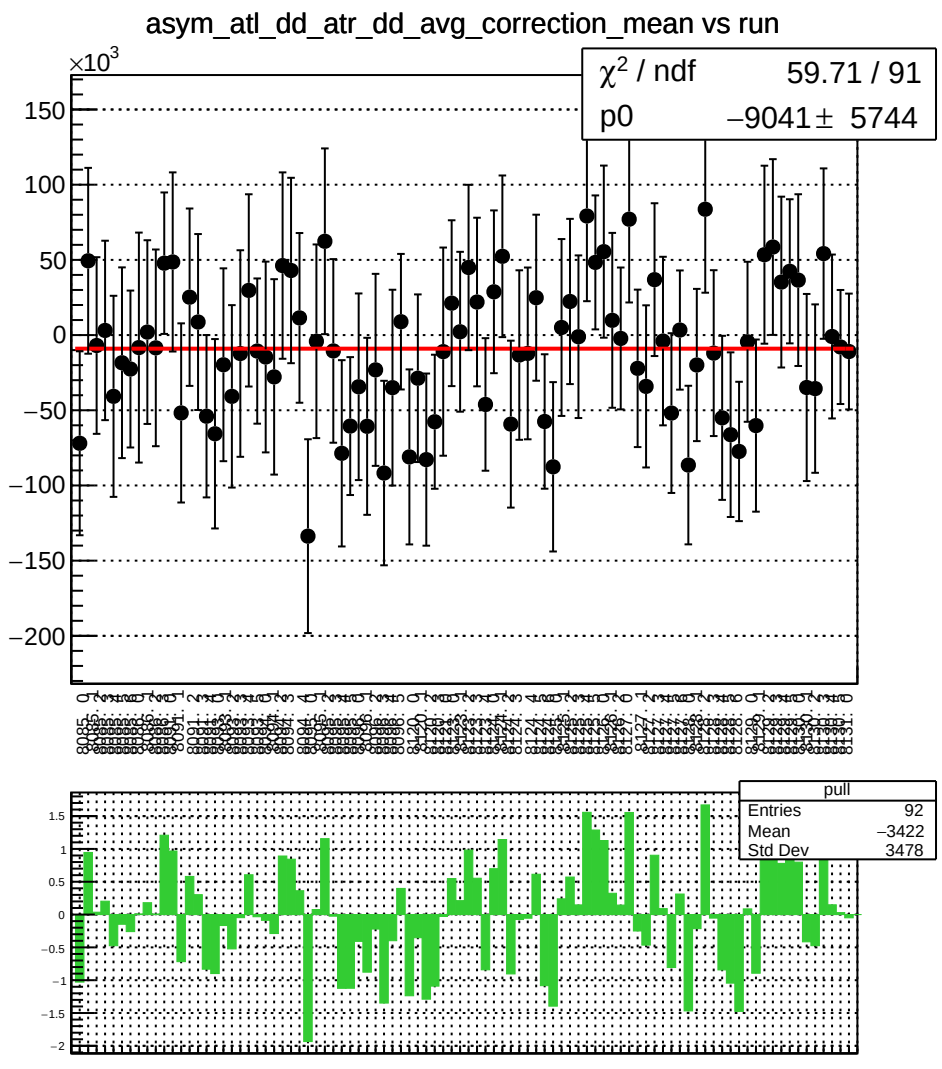

pull1D
Entries 90
Mean −0.04791
Std Dev 0.9316

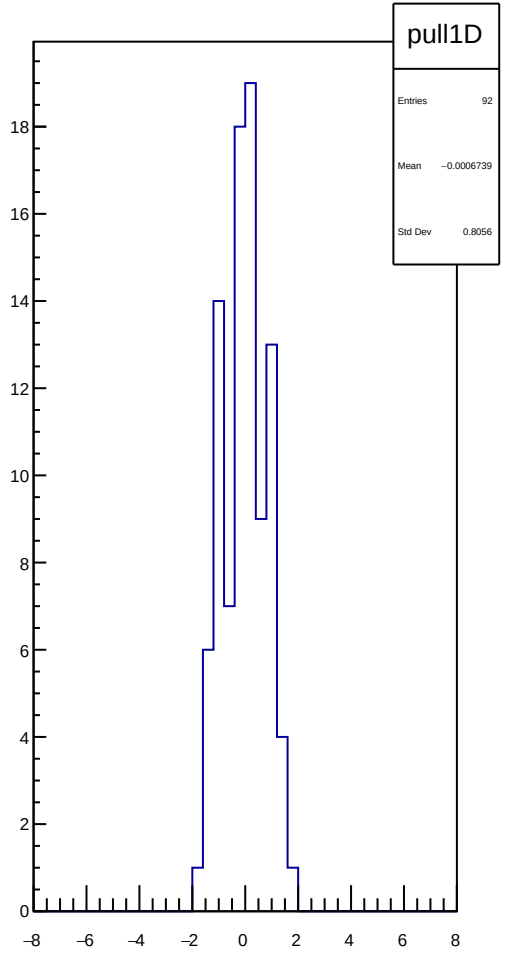

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6.264e+04 / 91
p0 1761 ± 1.32
25000
20000
15000
10000
5000

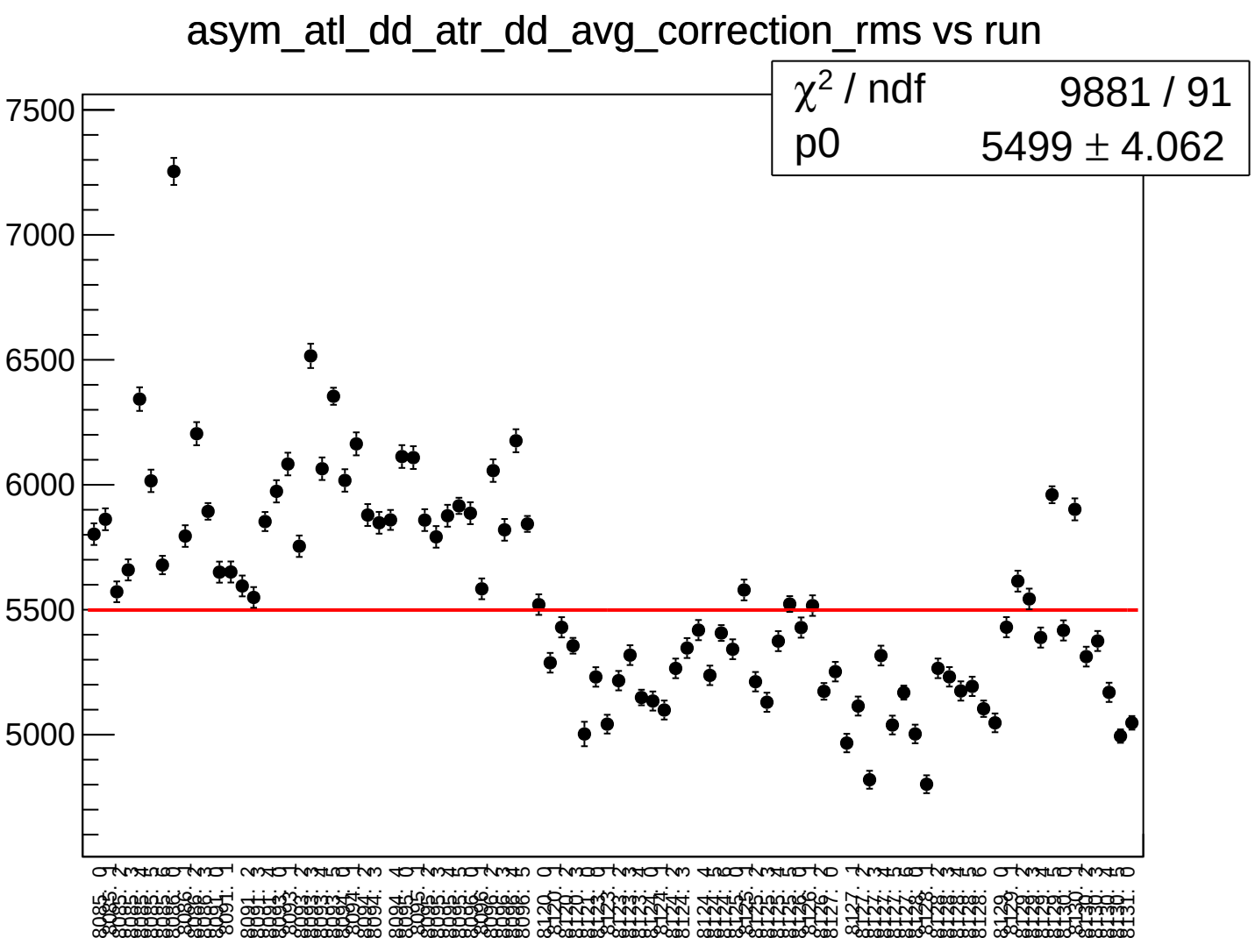

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 125.2 / 89
p0 1605 ± 1288
400
300
200
100
0
−100
pull
Entries 90
Mean 119.8
Std Dev 51.91
5
4
3
2
1
0
−1
−2

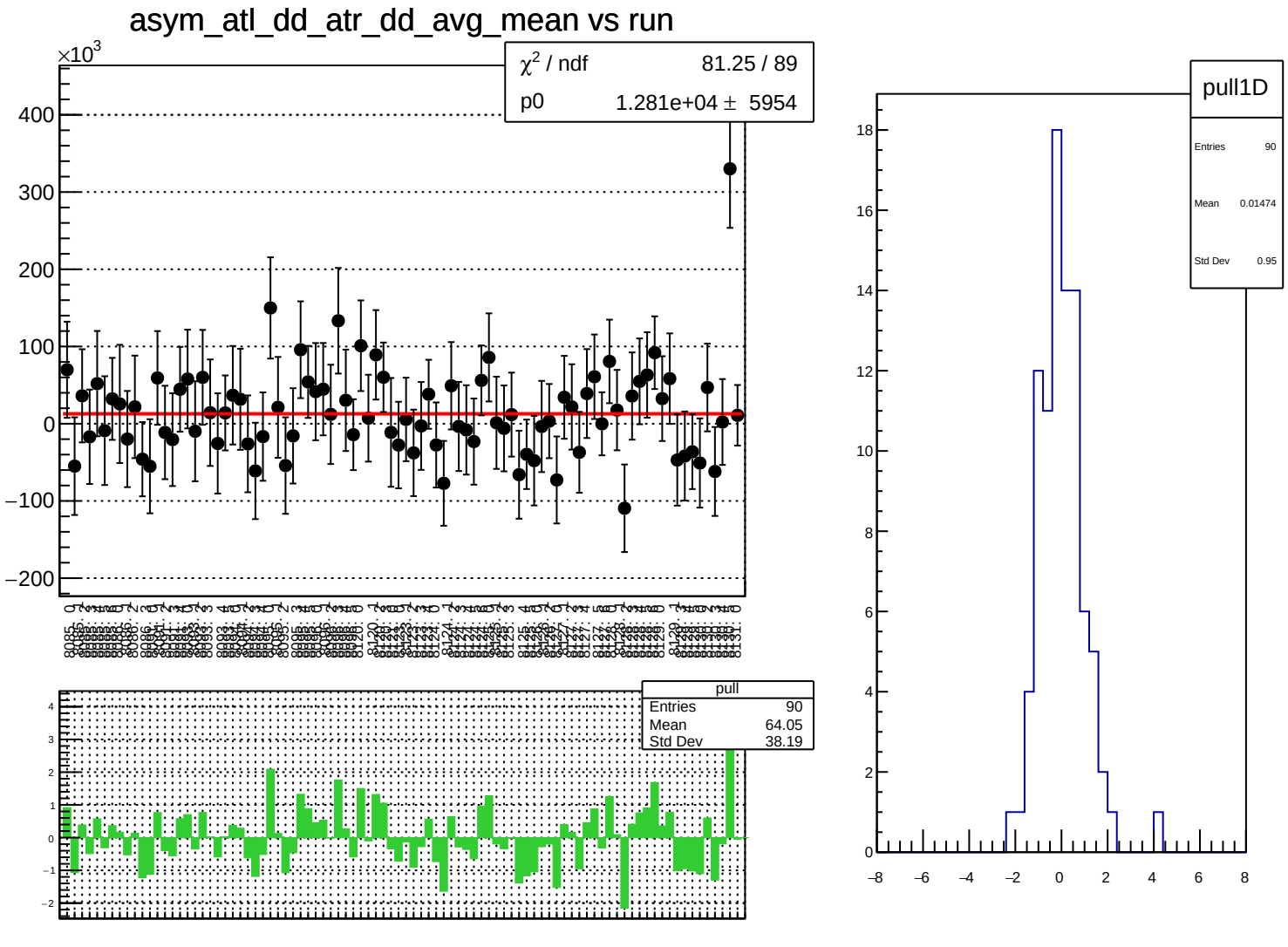

pull1D
Entries 90
Mean 0.0483
Std Dev 1.179
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

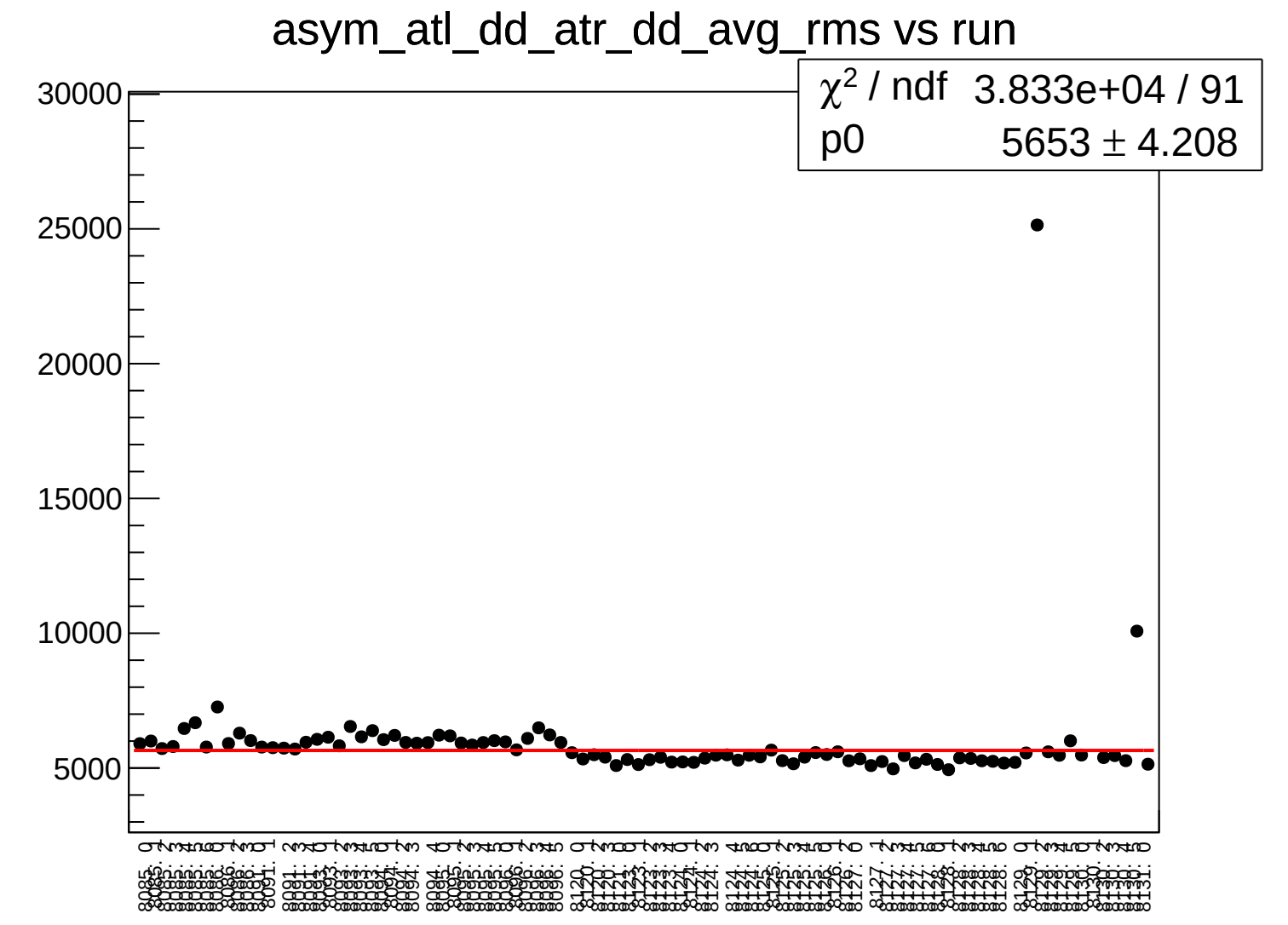

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 7.124e+04 / 91
p0 1212 ± 0.9109
25000
20000
15000
10000
5000

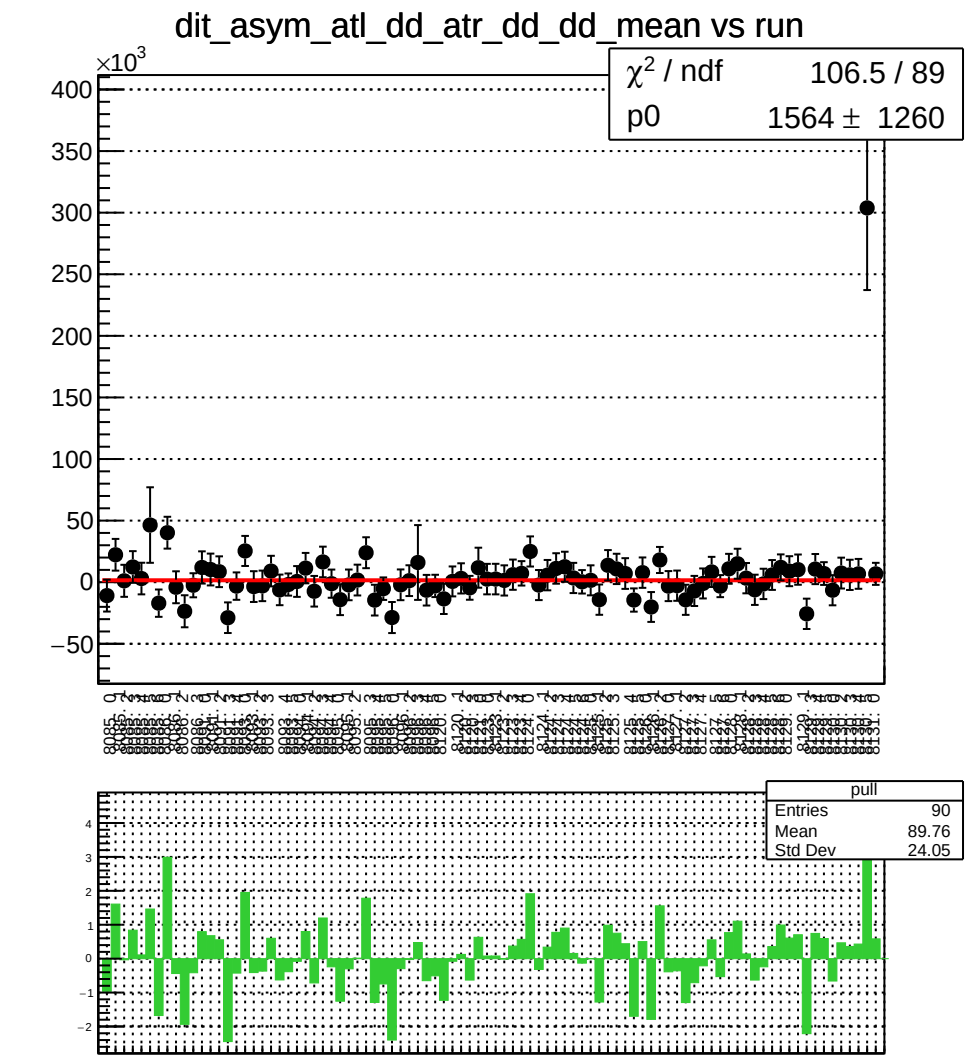

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 59.71 / 91
p0 −9041 ± 5744
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean −3422
Std Dev 3478
1.5
1
0.5
0
−0.5
−1
−1.5
−2

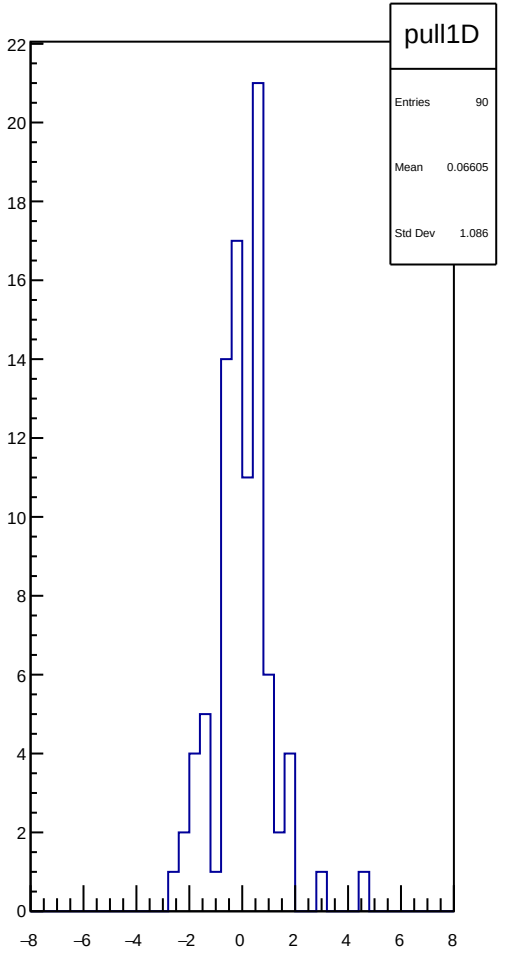

pull1D
Entries 92
Mean −0.0006739
Std Dev 0.8056
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

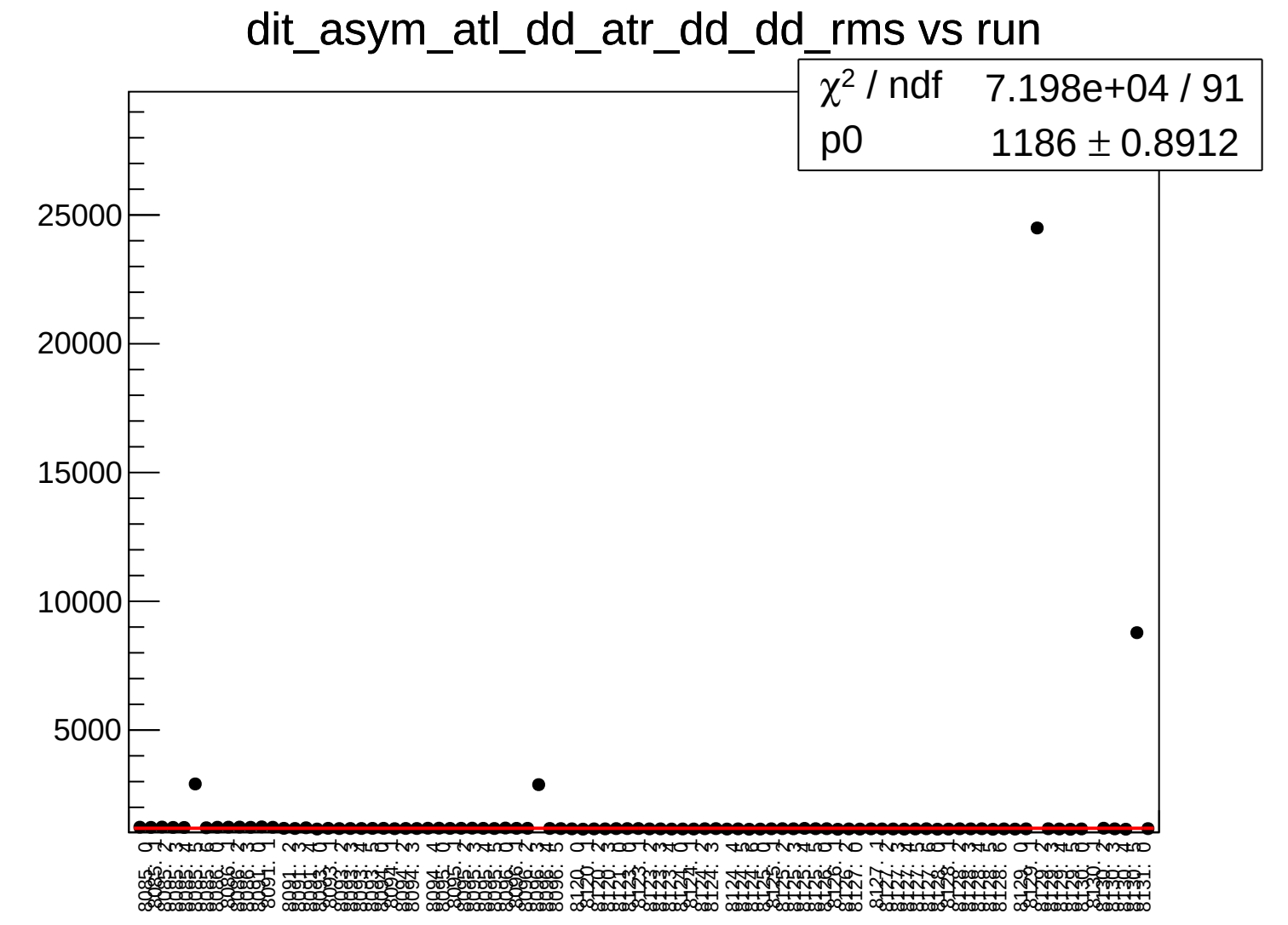

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 9881 / 91
p0 5499 ± 4.062
7500
7000
6500
6000
5500
5000

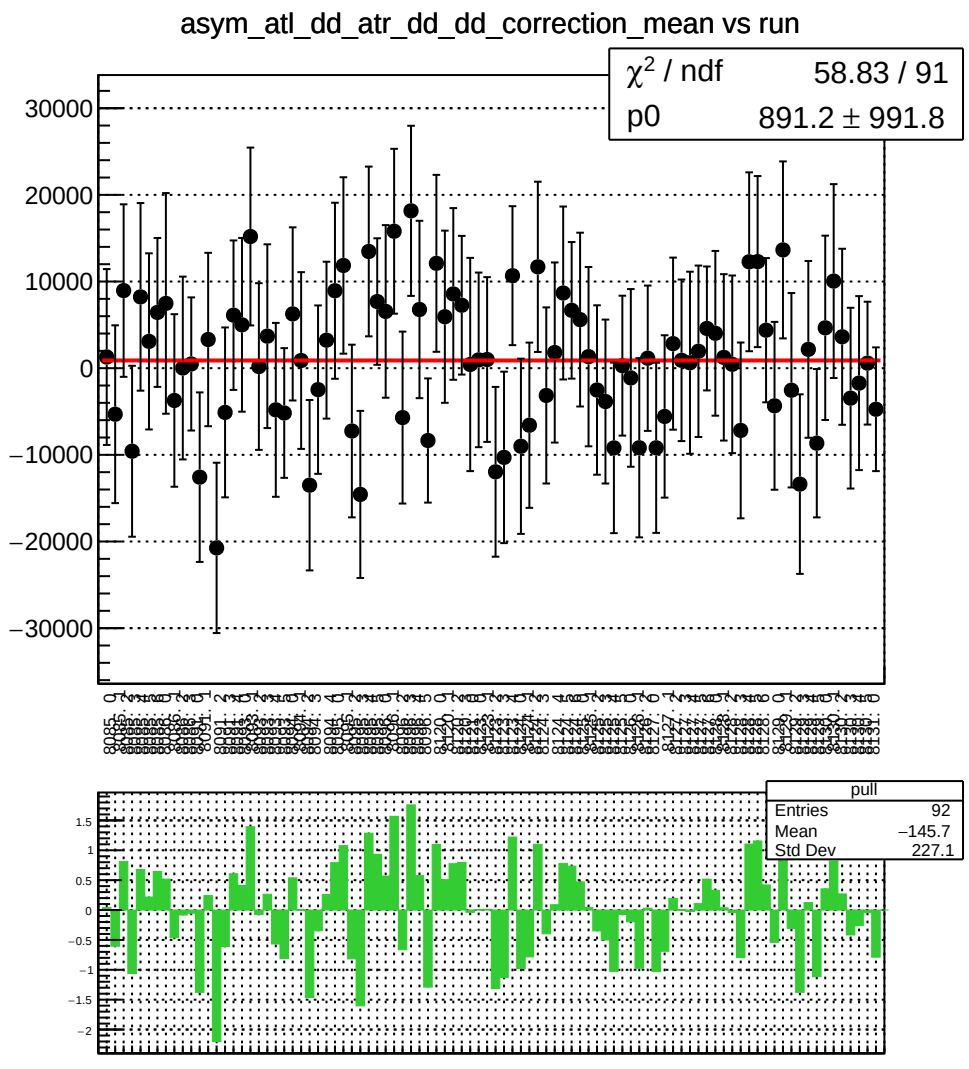

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 81.25 / 89
p0 1.281e+04 ± 5954
400
300
200
100
0
−100
−200
pull
Entries 90
Mean 64.05
Std Dev 38.19
4
3
2
1
0
−1
−2
pull1D
Entries 90
Mean 0.01474
Std Dev 0.95
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

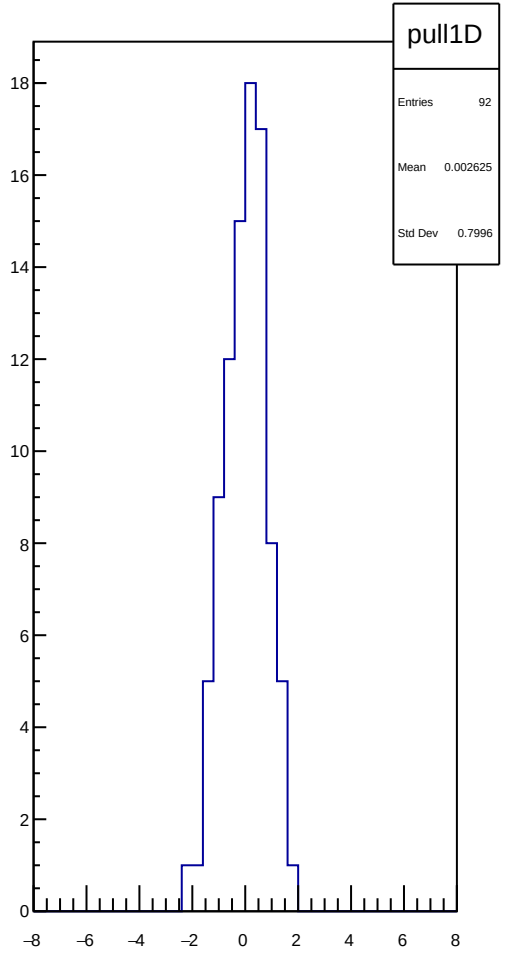

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3.833e+04 / 91
p0 5653 ± 4.208
30000
25000
20000
15000
10000
5000

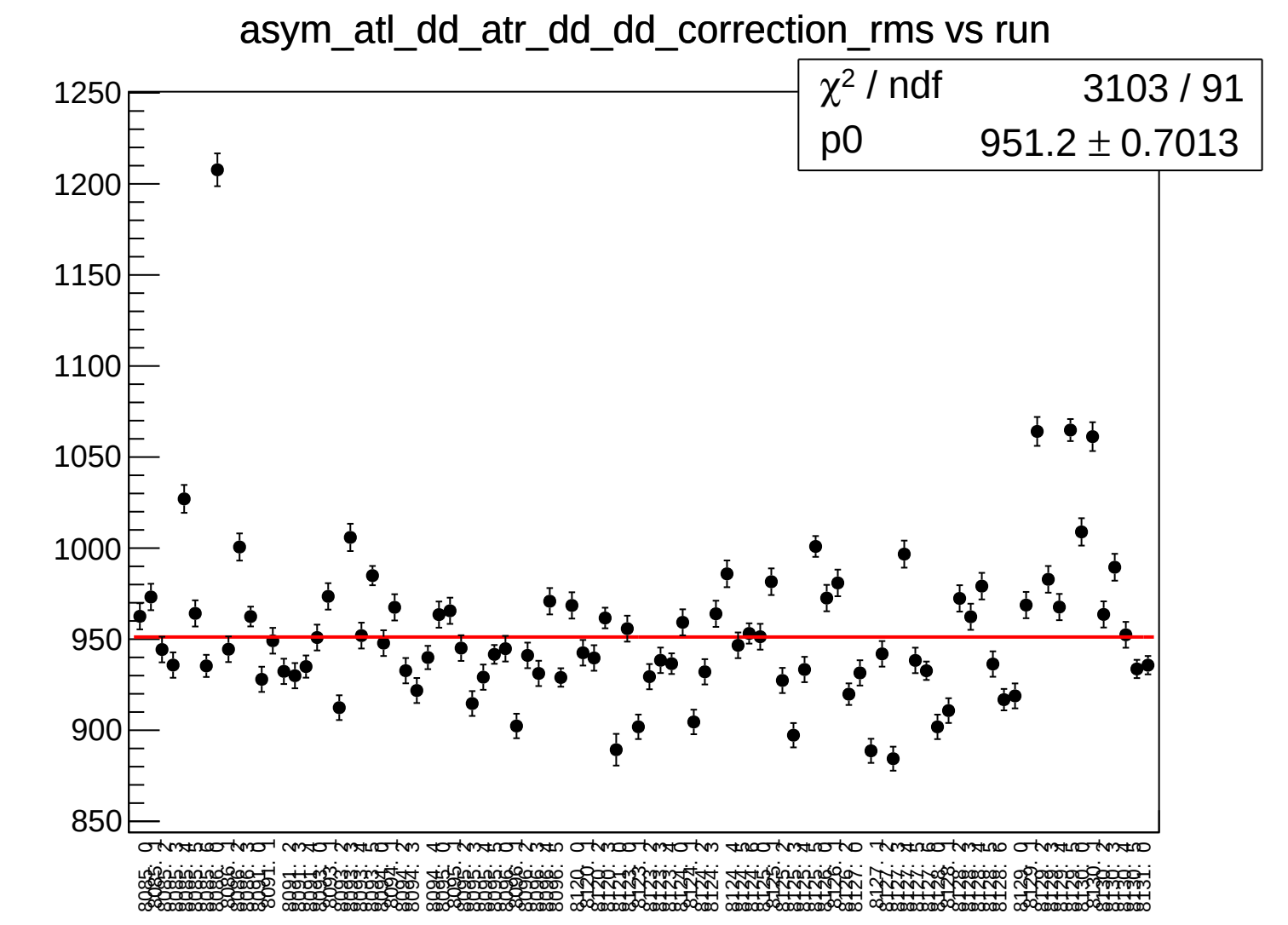

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 106.5 / 89
p0 1564 ± 1260
pull
Entries 90
Mean 89.76
Std Dev 24.05

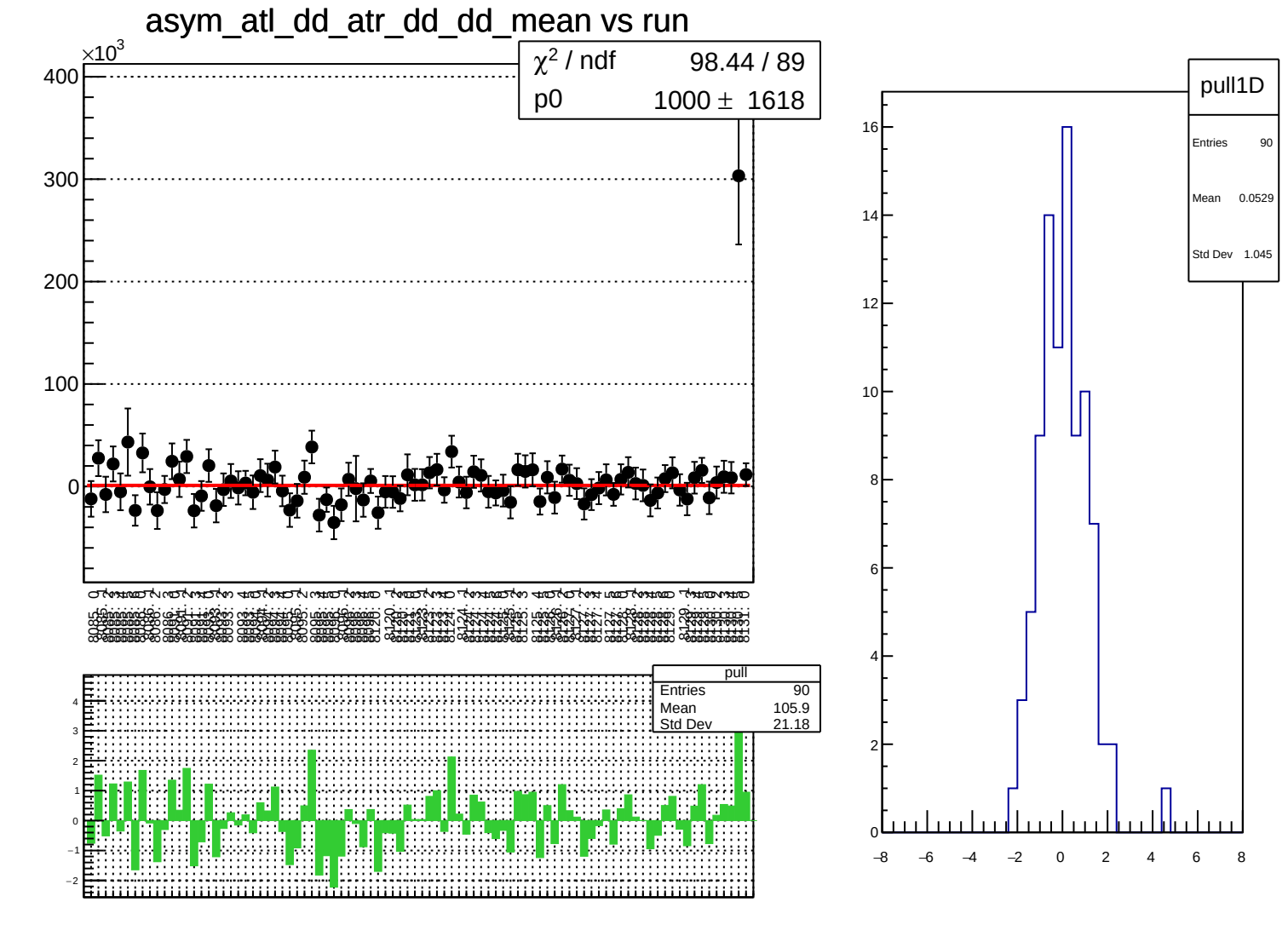

pull1D
Entries 90
Mean 0.06605
Std Dev 1.086

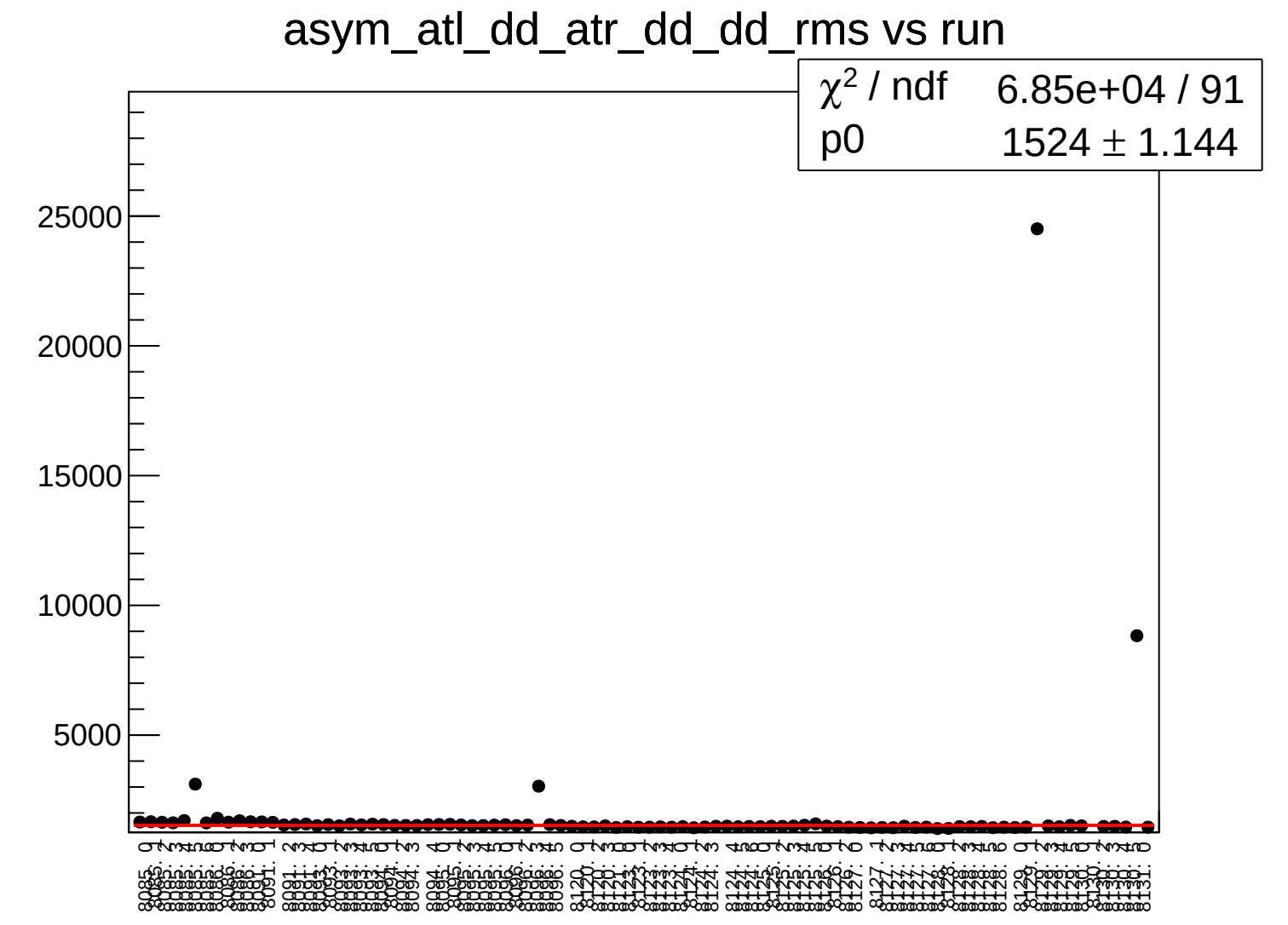

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 7.198e+04 / 91
p0 1186 ± 0.8912
25000
20000
15000
10000
5000

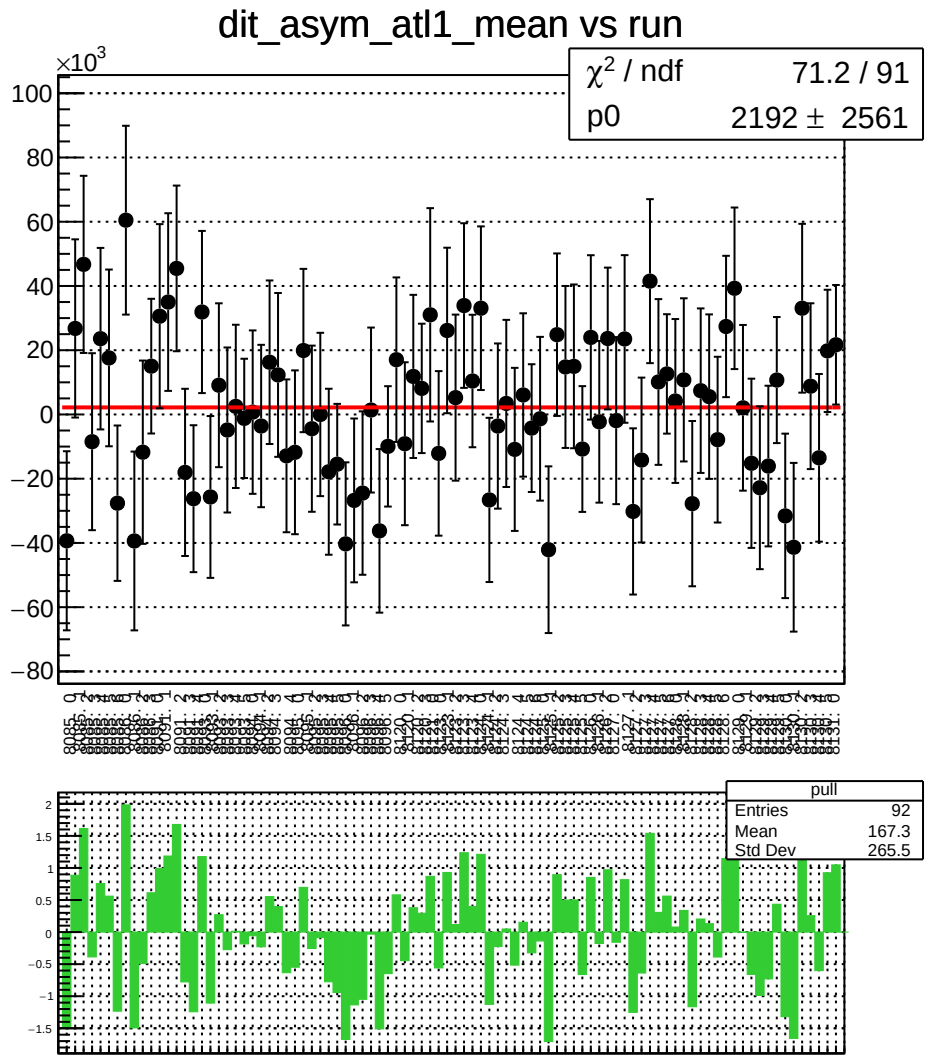

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 58.83 / 91
p0 891.2 ± 991.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −145.7
Std Dev 227.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

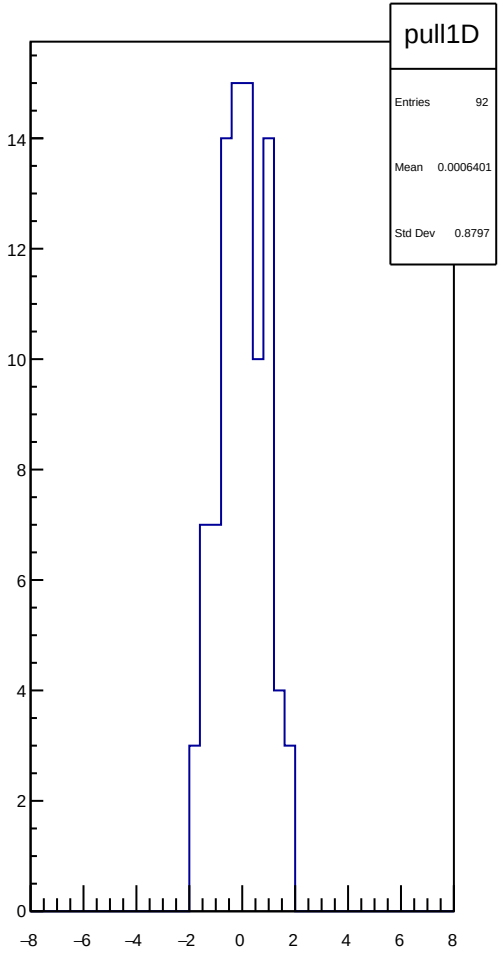

pull1D
Entries 92
Mean 0.002625
Std Dev 0.7996
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

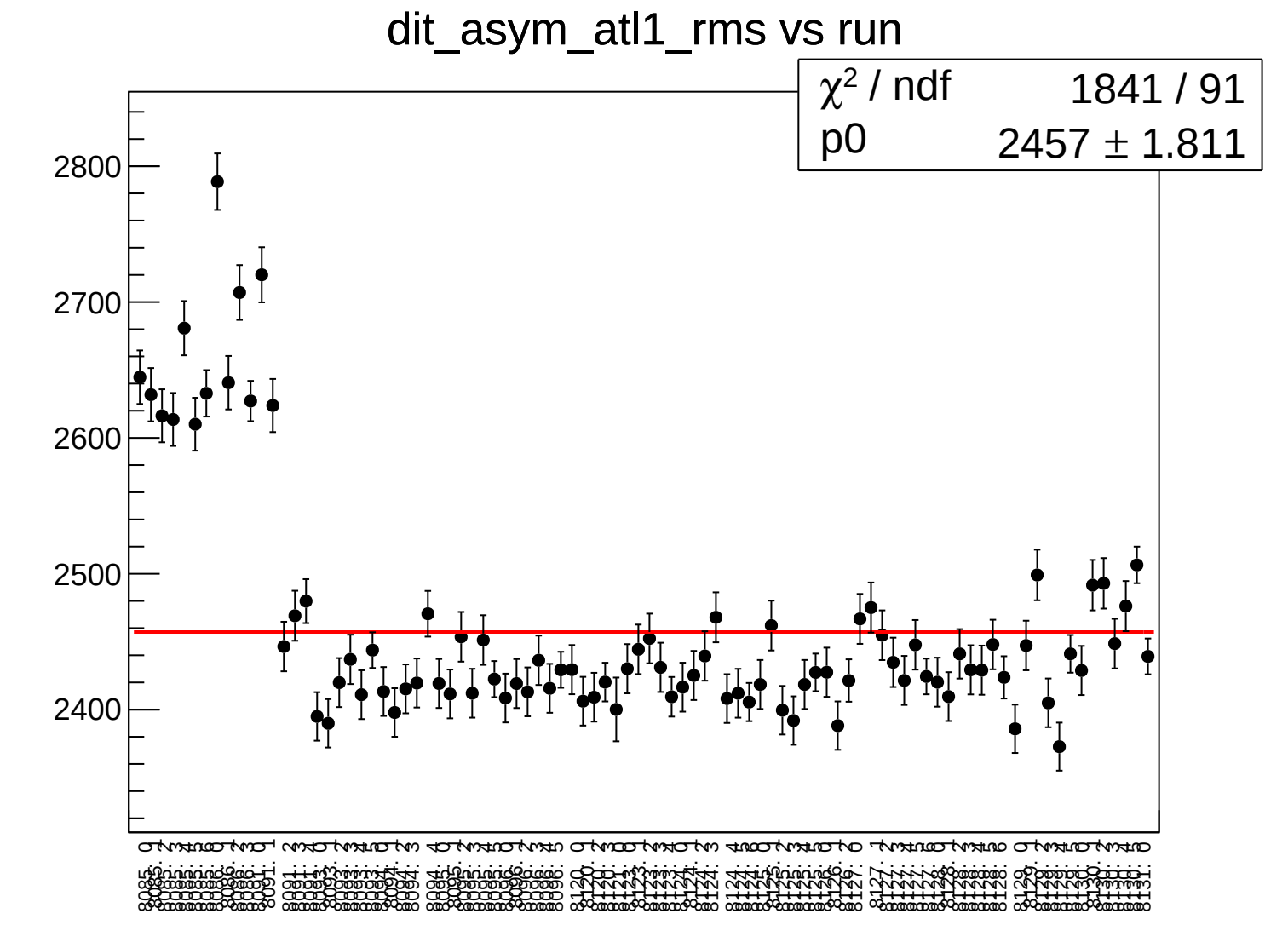

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3103 / 91
p0 951.2 ± 0.7013
1250
1200
1150
1100
1050
1000
950
900
850

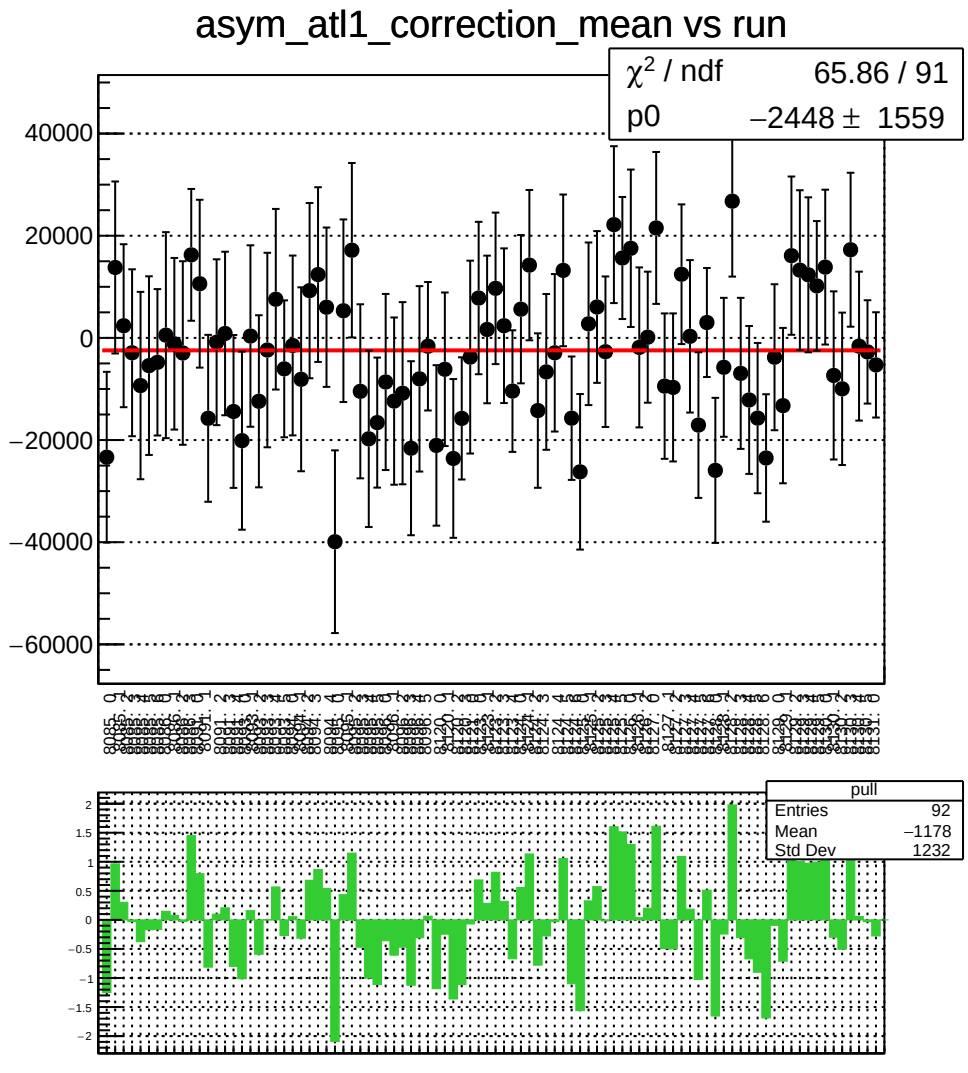

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 98.44 / 89
p0 1000 ± 1618
pull
Entries 90
Mean 105.9
Std Dev 21.18
pull1D
Entries 90
Mean 0.0529
Std Dev 1.045

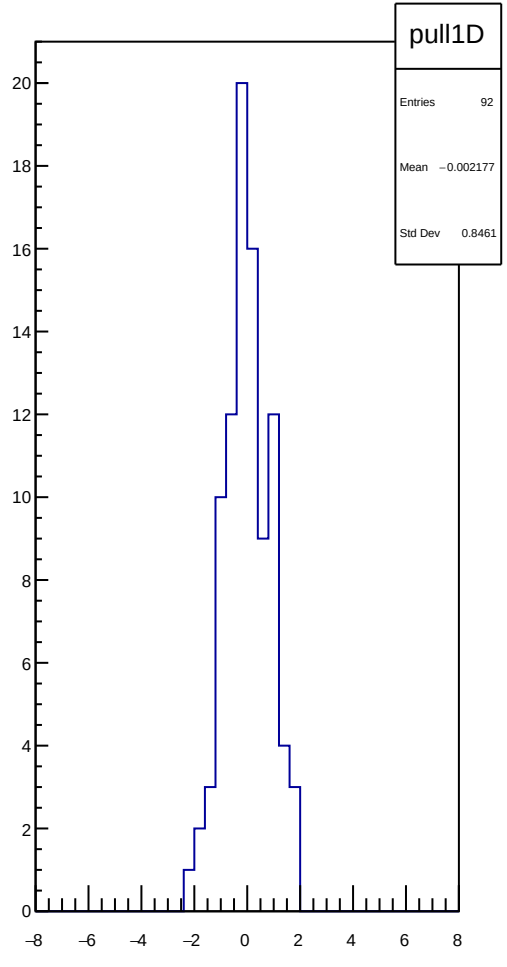

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6.85e+04 / 91
p0 1524 ± 1.144
25000
20000
15000
10000
5000

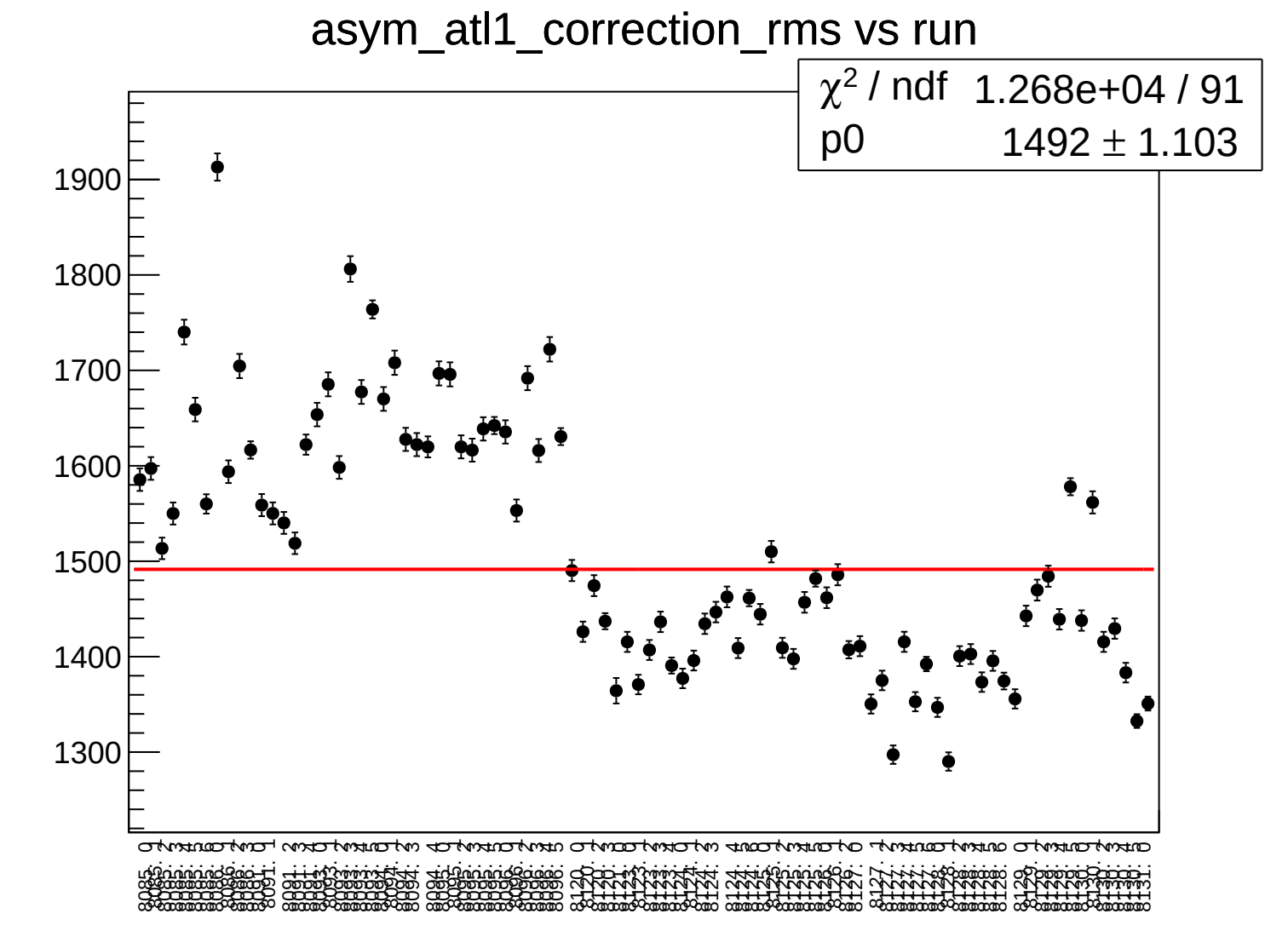

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 71.2 / 91
p0 2192 ± 2561
pull
Entries 92
Mean 167.3
Std Dev 265.5

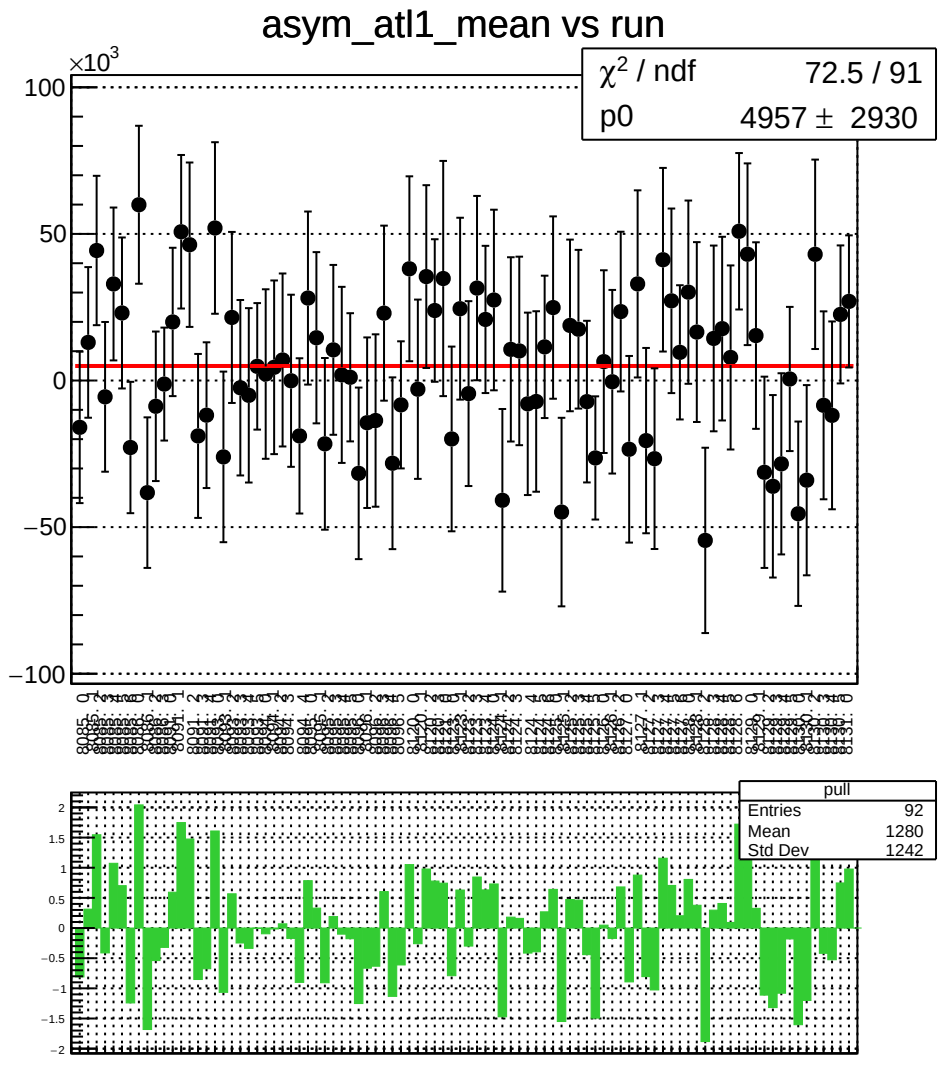

pull1D
Entries 92
Mean 0.0006401
Std Dev 0.8797

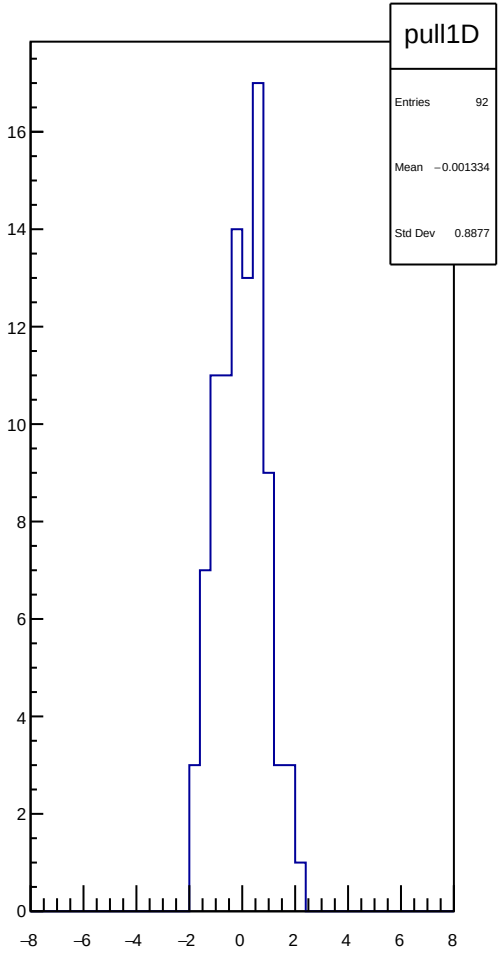

dit_asym_atl1_rms vs run
χ² / ndf 1841 / 91
p0 2457 ± 1.811
2800
2700
2600
2500
2400

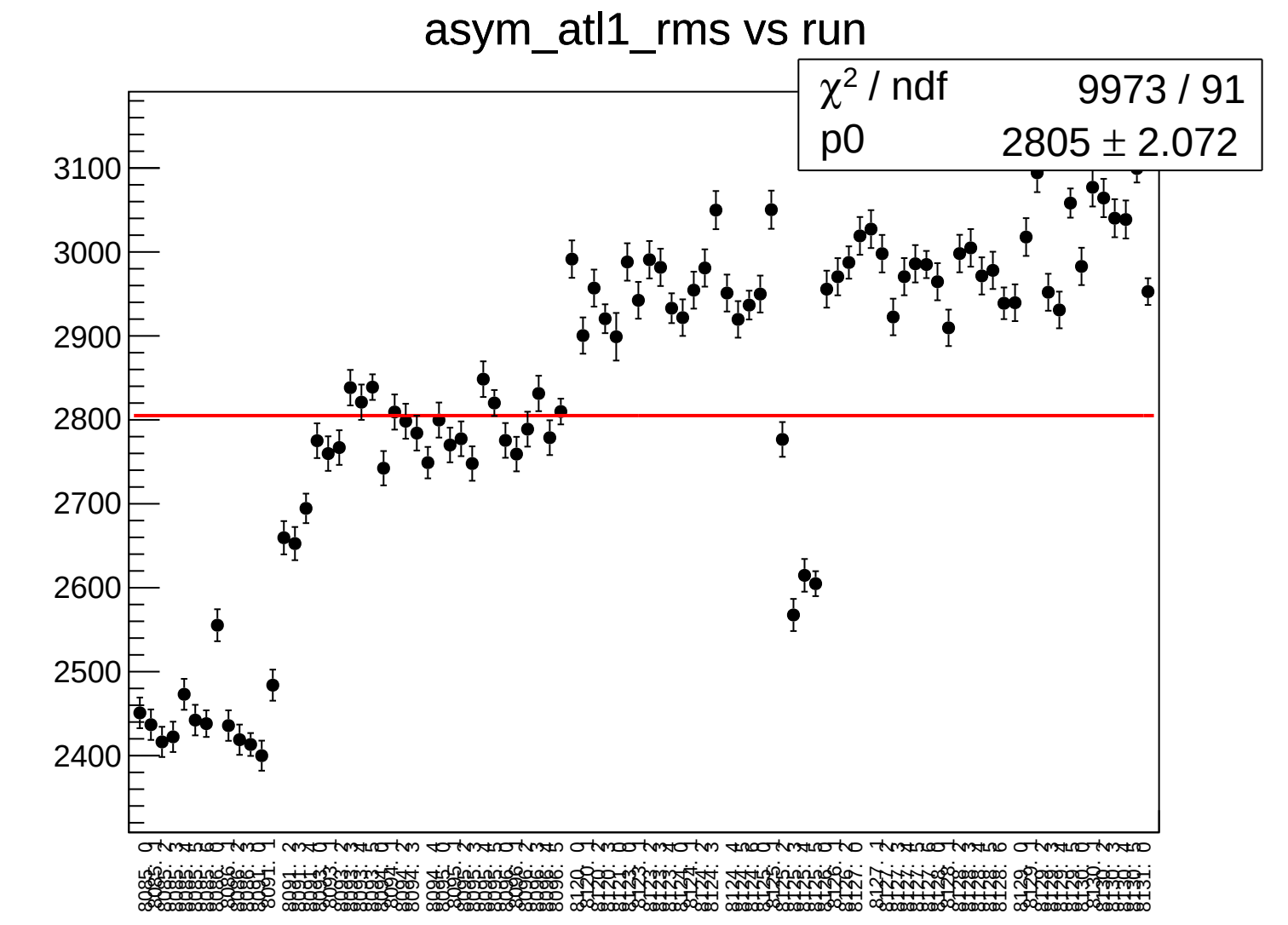

asym_atl1_correction_mean vs run
χ² / ndf 65.86 / 91
p0 −2448 ± 1559
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −1178
Std Dev 1232
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

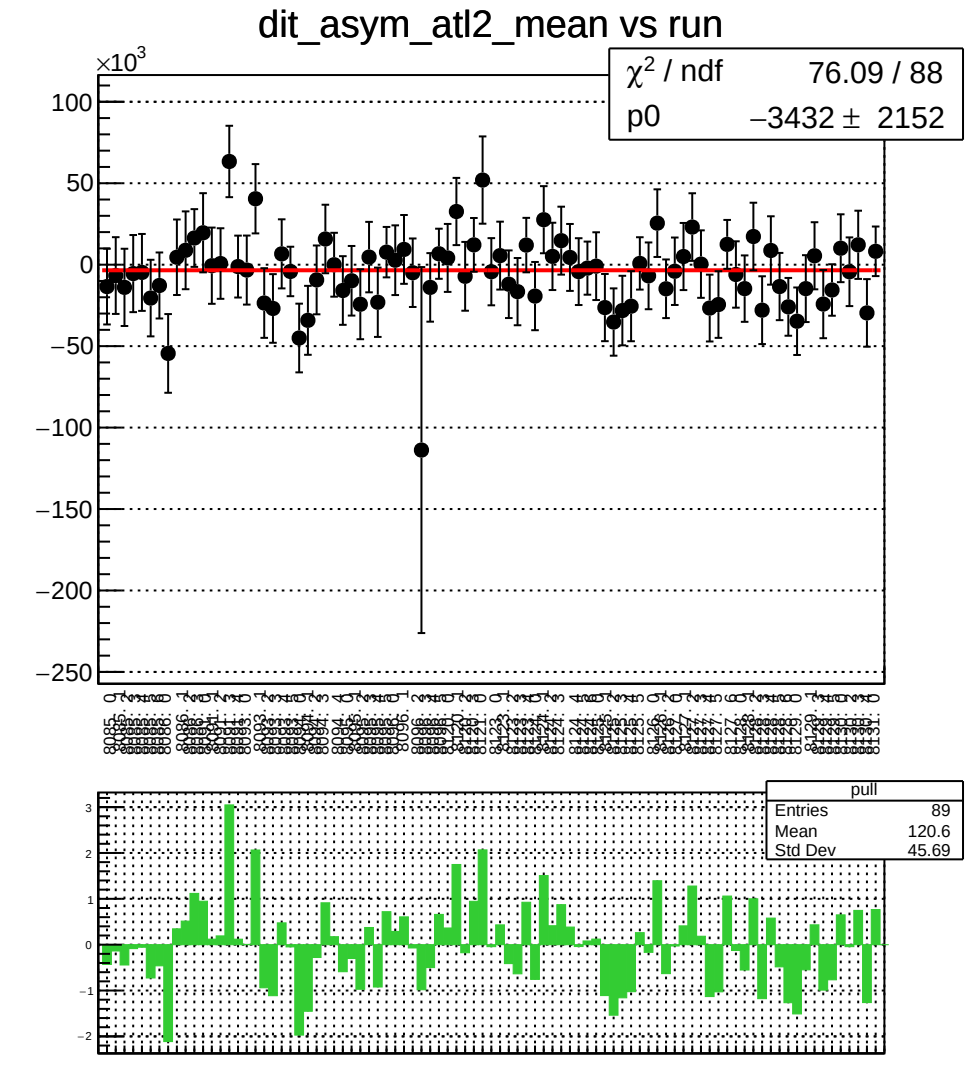

pull1D
Entries 92
Mean −0.002177
Std Dev 0.8461
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

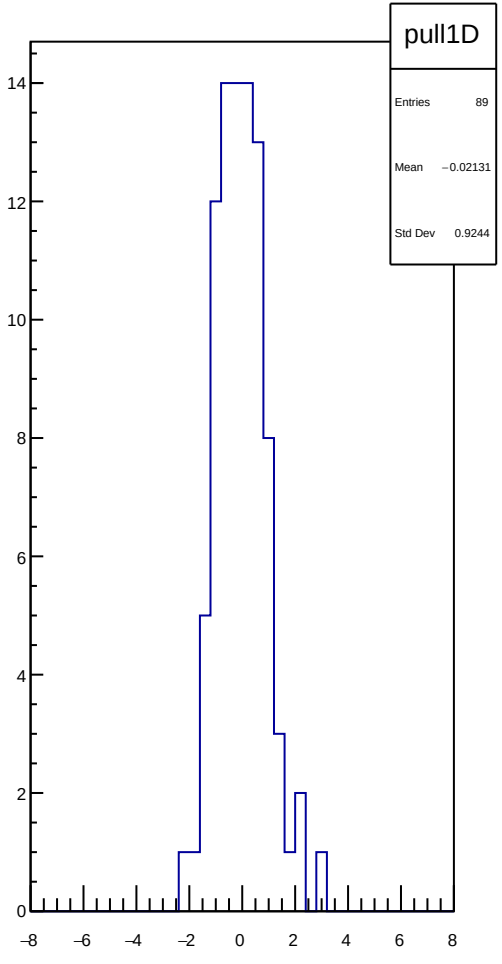

asym_atl1_correction_rms vs run
χ² / ndf 1.268e+04 / 91
p0 1492 ± 1.103
1900
1800
1700
1600
1500
1400
1300

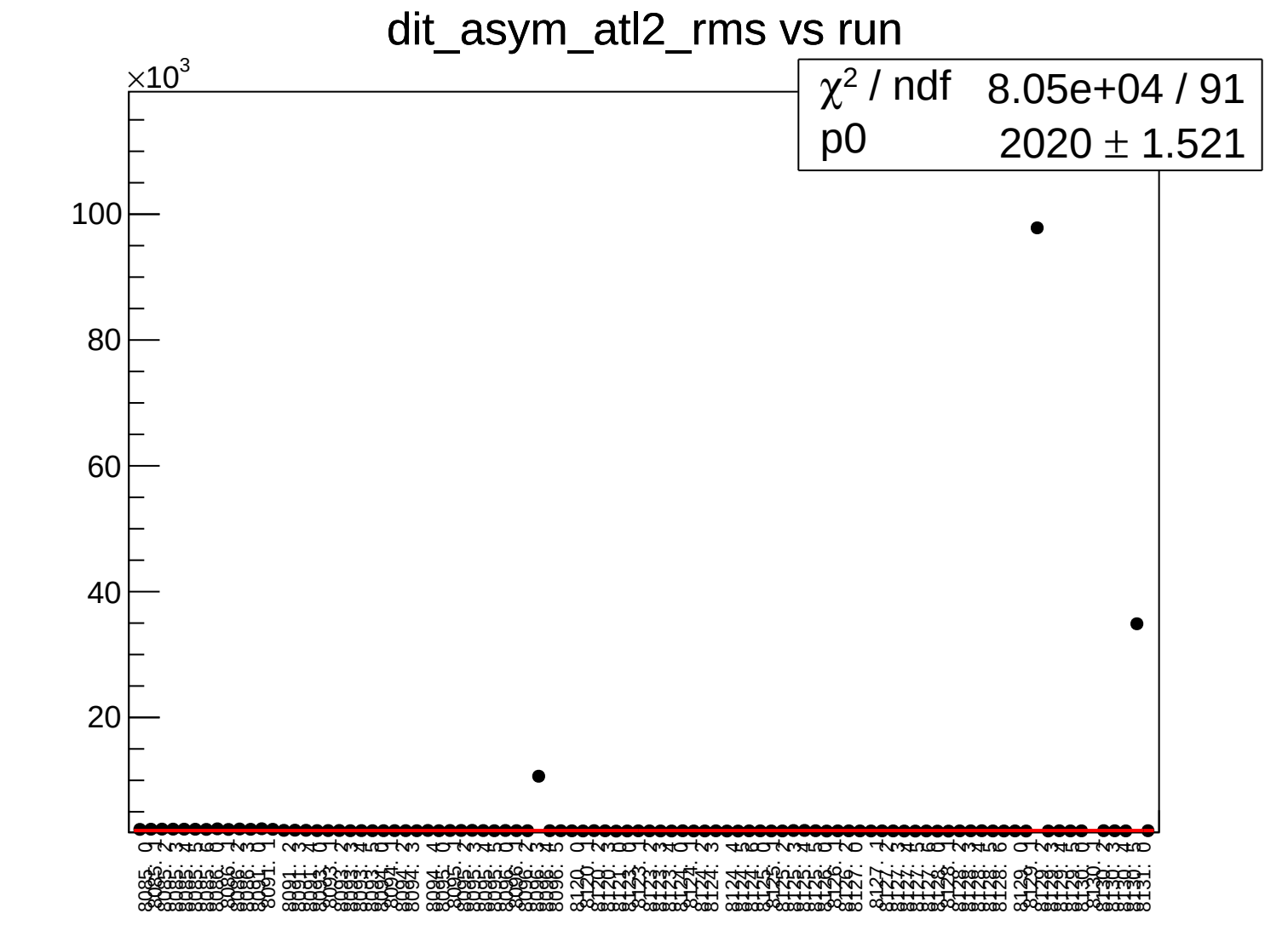

asym_atl1_mean vs run
×10^3
χ² / ndf 72.5 / 91
p0 4957 ± 2930
pull
Entries 92
Mean 1280
Std Dev 1242

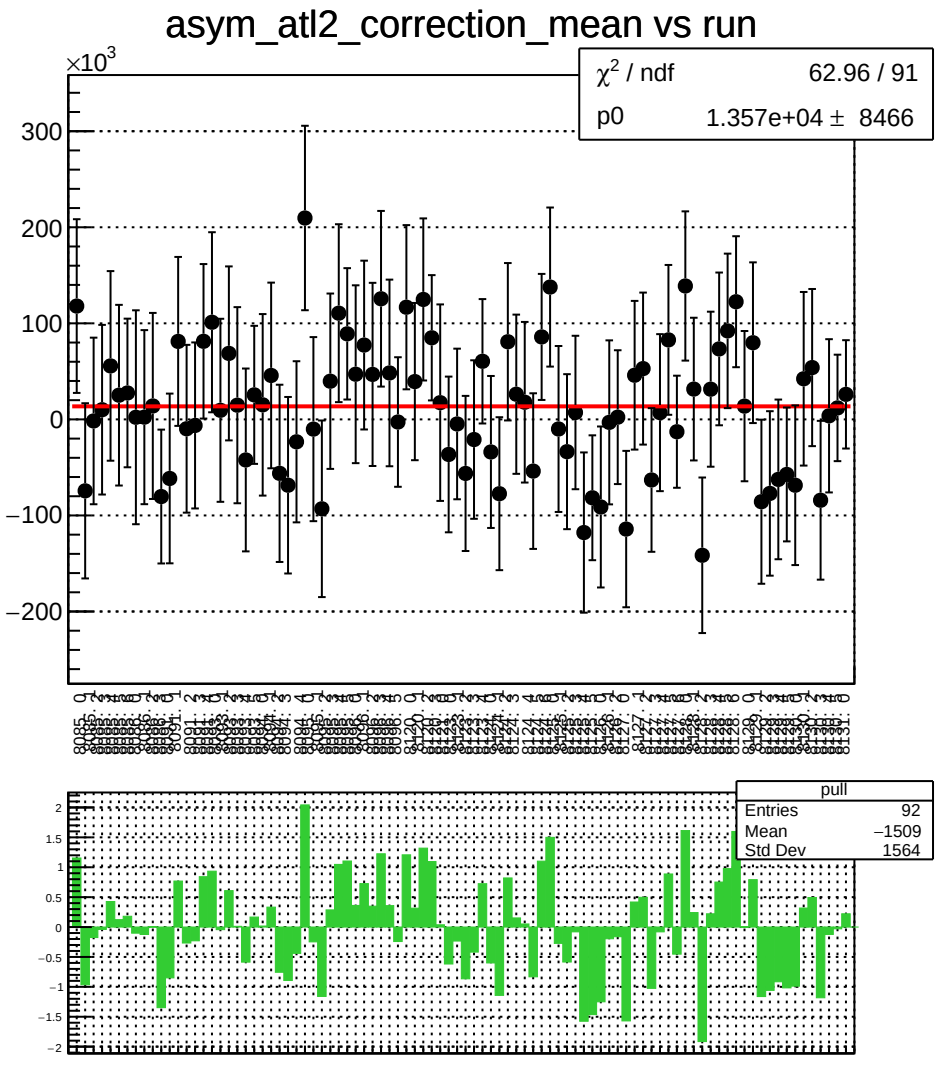

pull1D
Entries 92
Mean −0.001334
Std Dev 0.8877

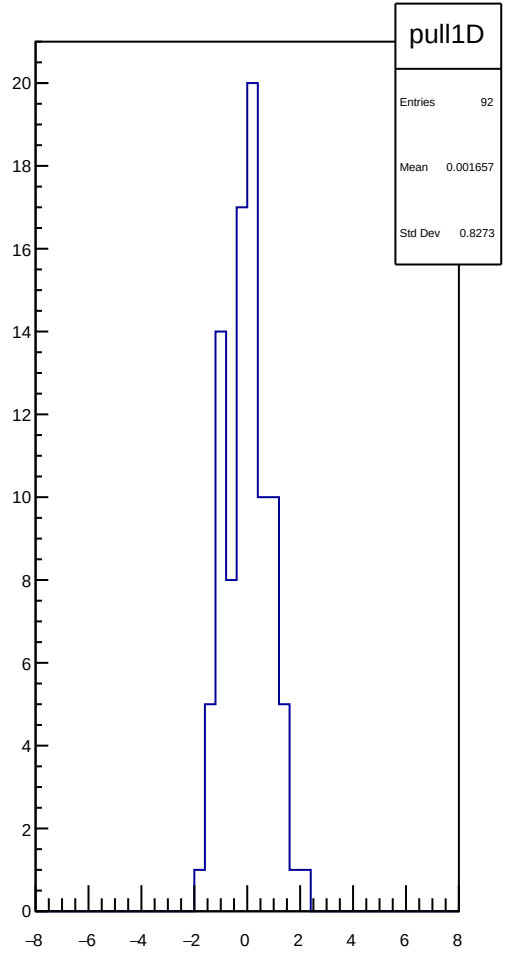

asym_atl1_rms vs run
χ² / ndf 9973 / 91
p0 2805 ± 2.072
3100
3000
2900
2800
2700
2600
2500
2400

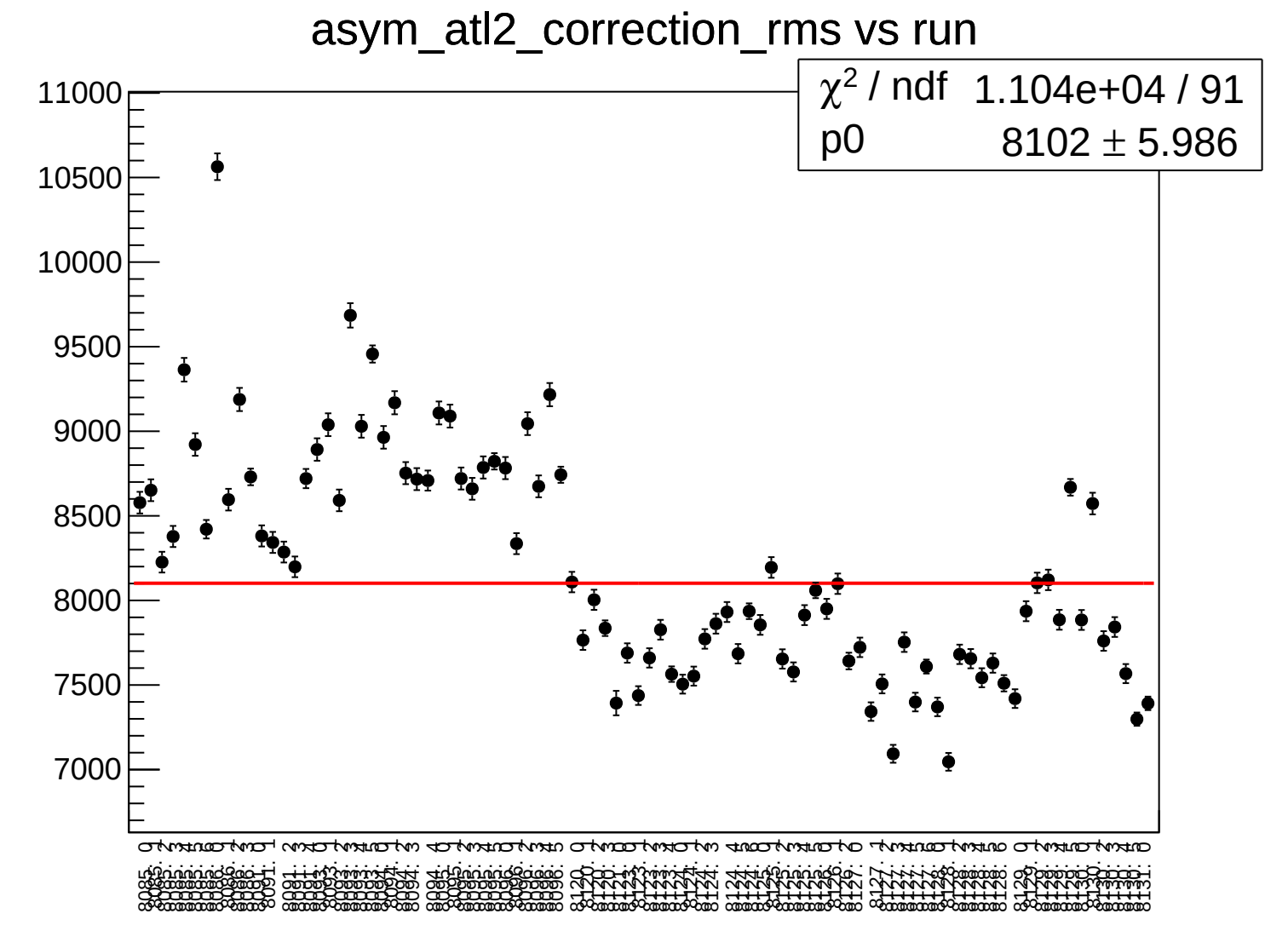

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 76.09 / 88
p0 −3432 ± 2152
pull
Entries 89
Mean 120.6
Std Dev 45.69

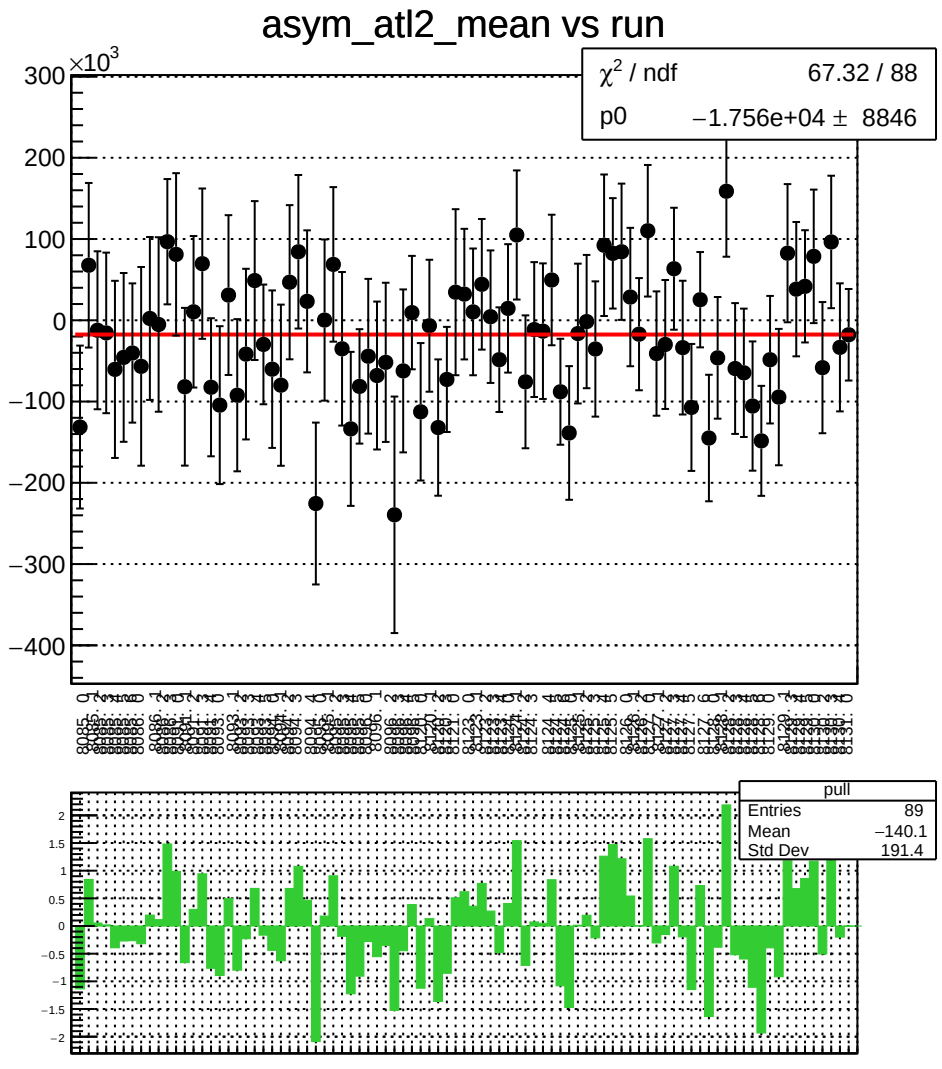

pull1D
Entries 89
Mean −0.02131
Std Dev 0.9244

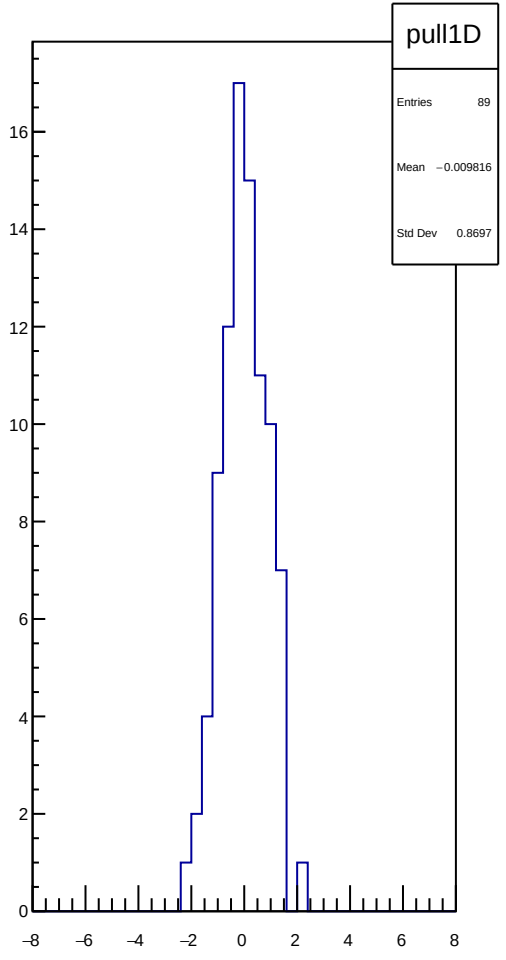

dit_asym_atl2_rms vs run
×10^3
χ² / ndf 8.05e+04 / 91
p0 2020 ± 1.521
100
80
60
40
20

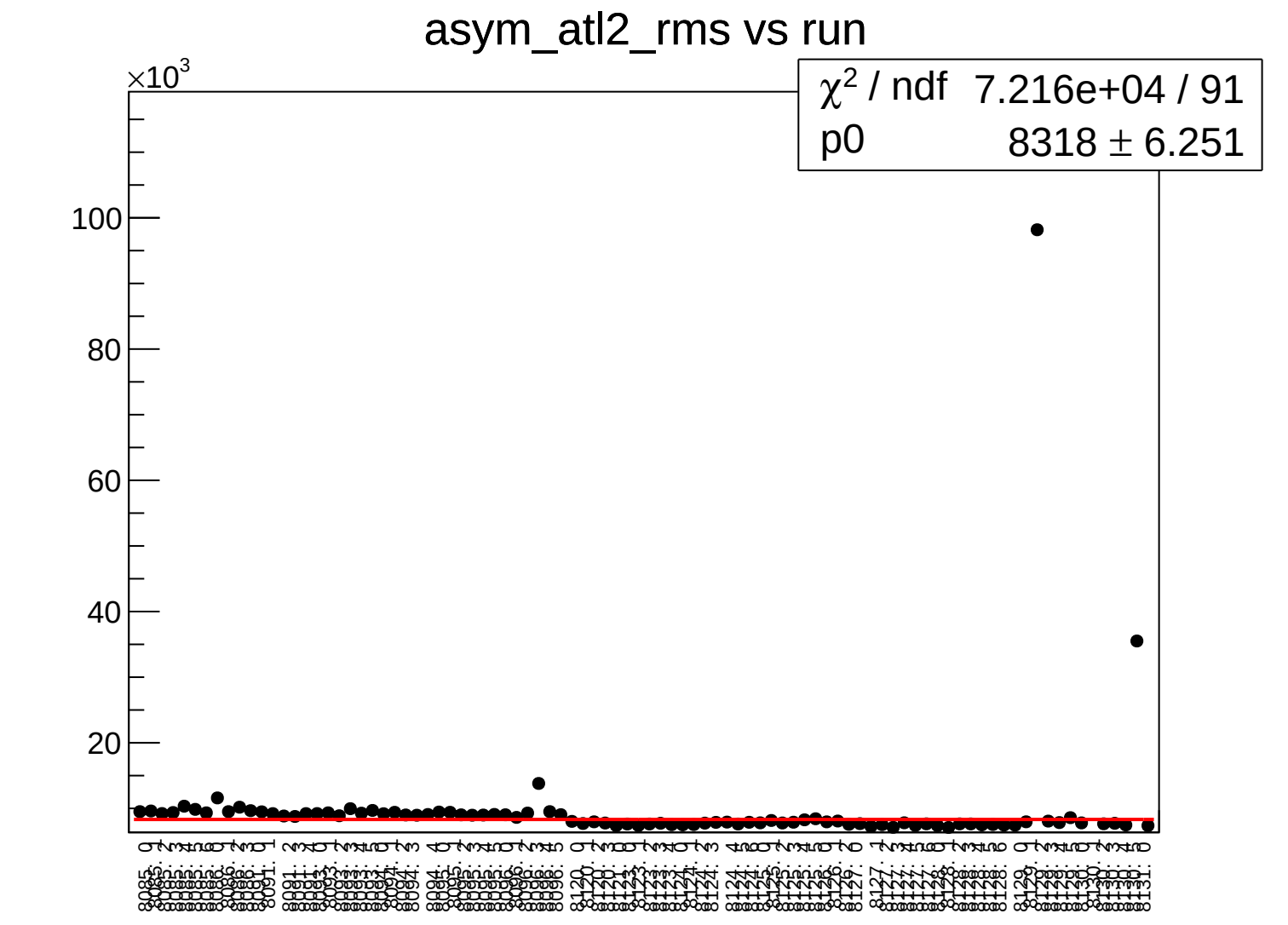

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 62.96 / 91
p0 1.357e+04 ± 8466
300
200
100
0
−100
−200
pull
Entries 92
Mean −1509
Std Dev 1564
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

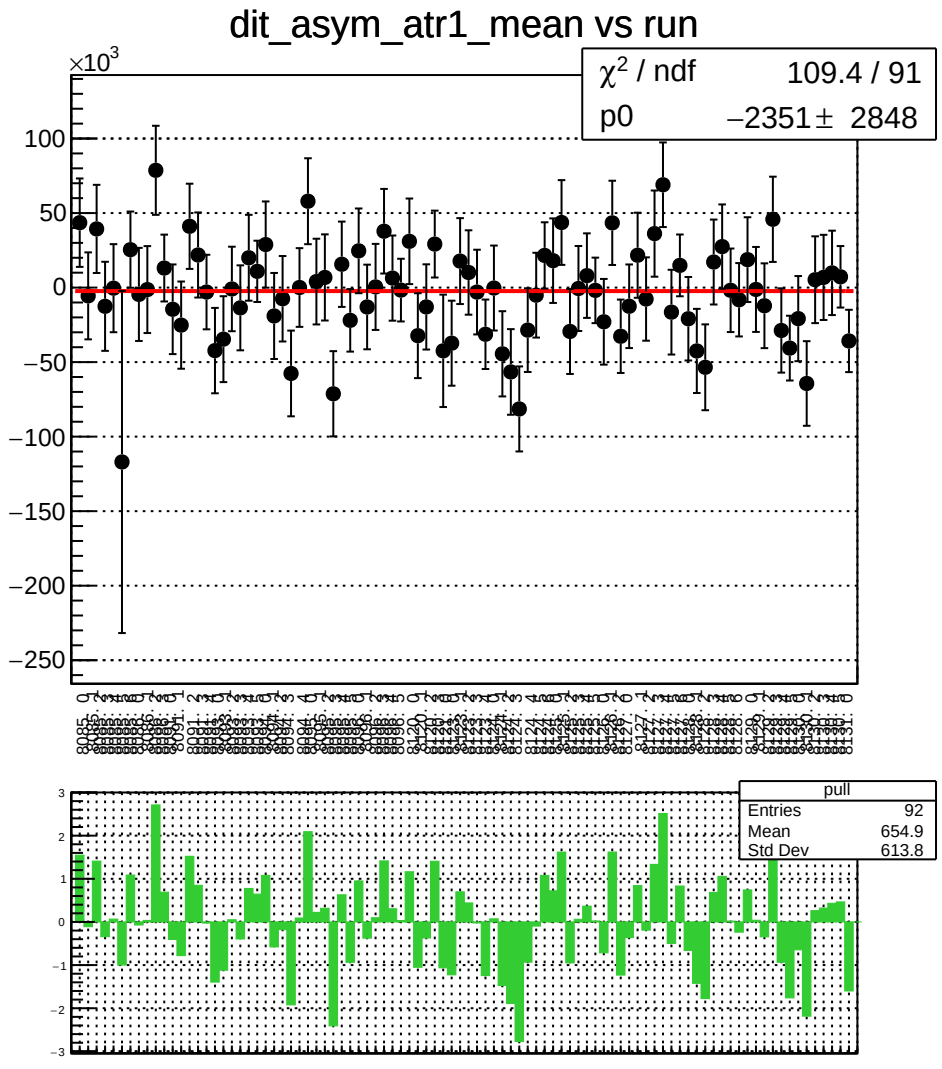

pull1D
Entries 92
Mean 0.001657
Std Dev 0.8273
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

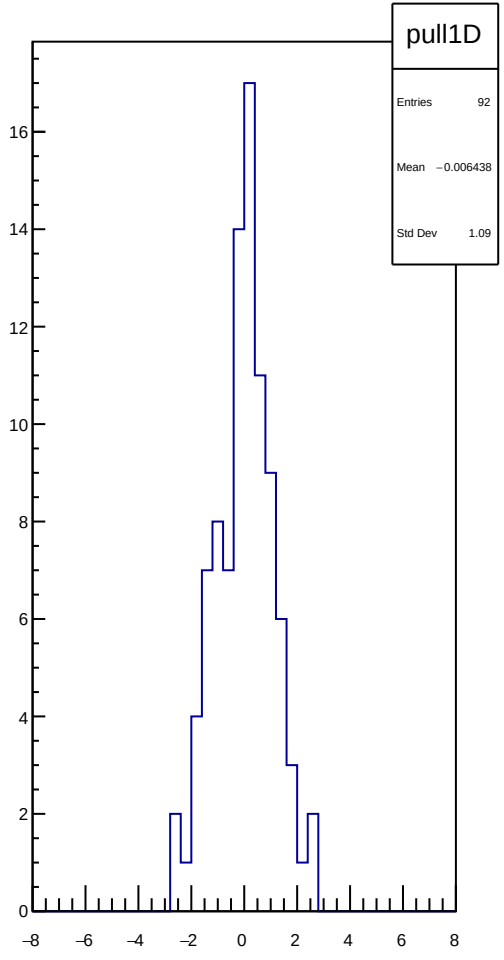

asym_atl2_correction_rms vs run
χ² / ndf 1.104e+04 / 91
p0 8102 ± 5.986
11000
10500
10000
9500
9000
8500
8000
7500
7000

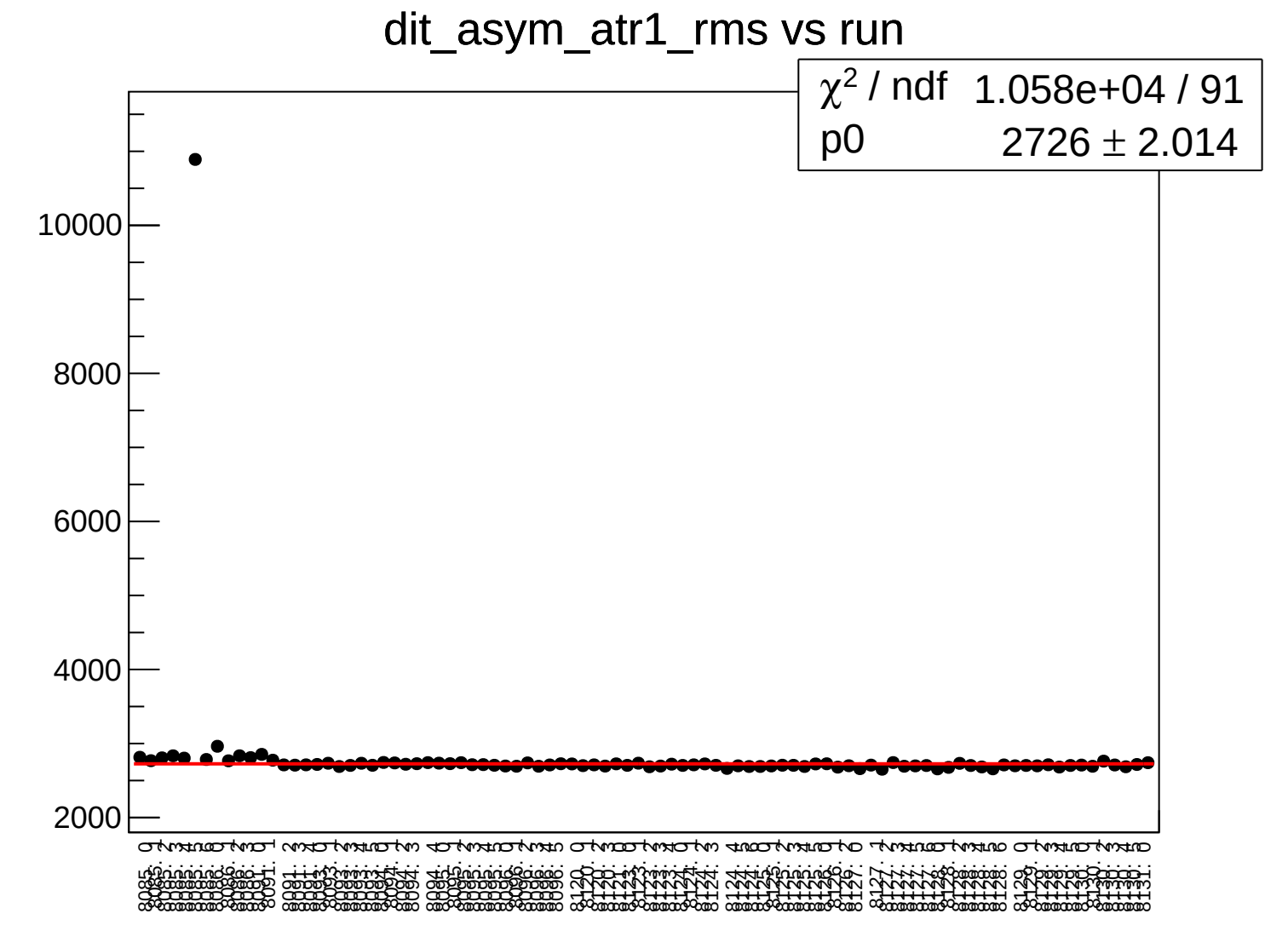

asym_atl2_mean vs run
χ^2 / ndf 67.32 / 88
p0 −1.756e+04 ± 8846
×10^3
300
200
100
0
−100
−200
−300
−400
pull
Entries 89
Mean −140.1
Std Dev 191.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

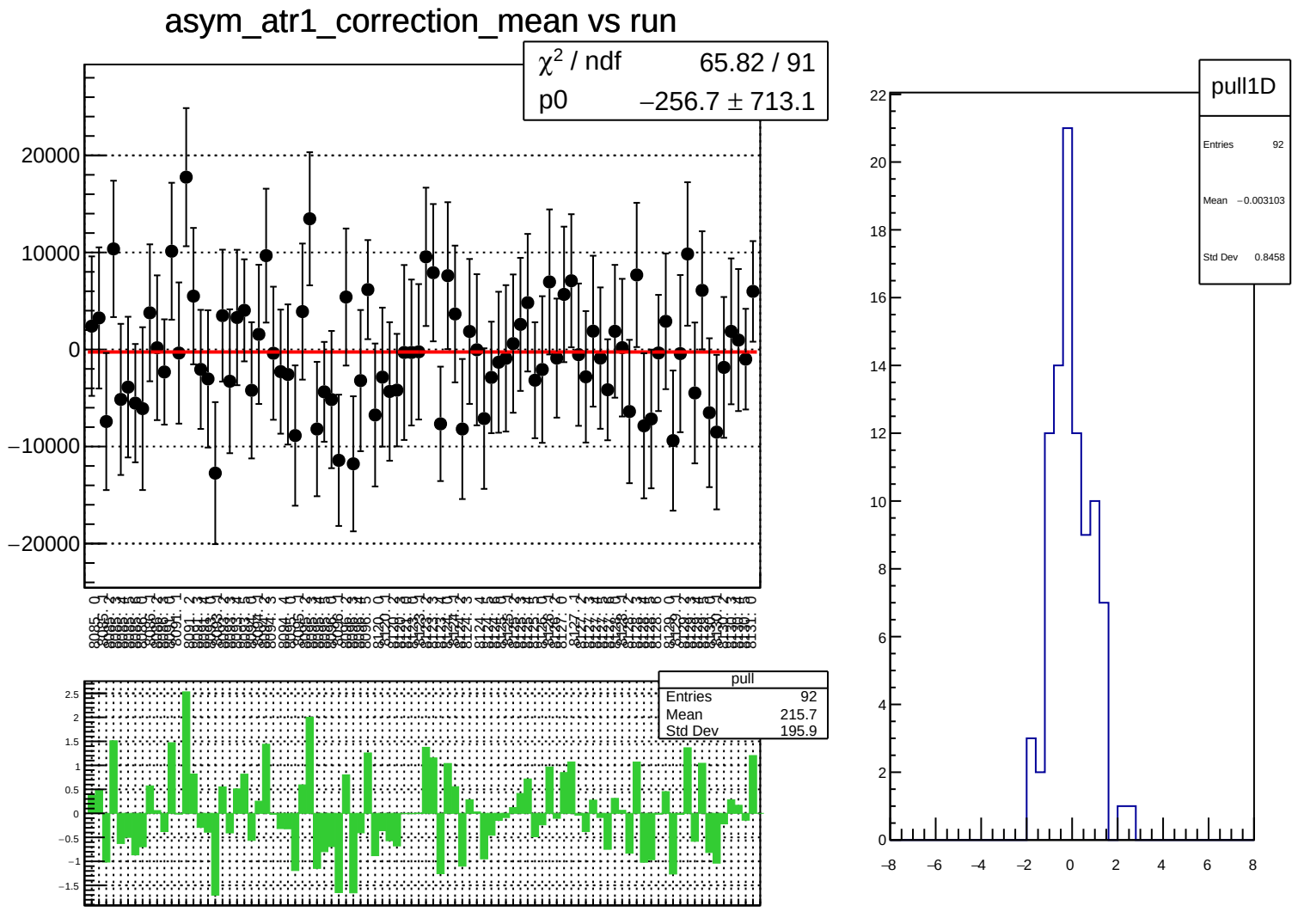

pull1D
Entries 89
Mean −0.009816
Std Dev 0.8697
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

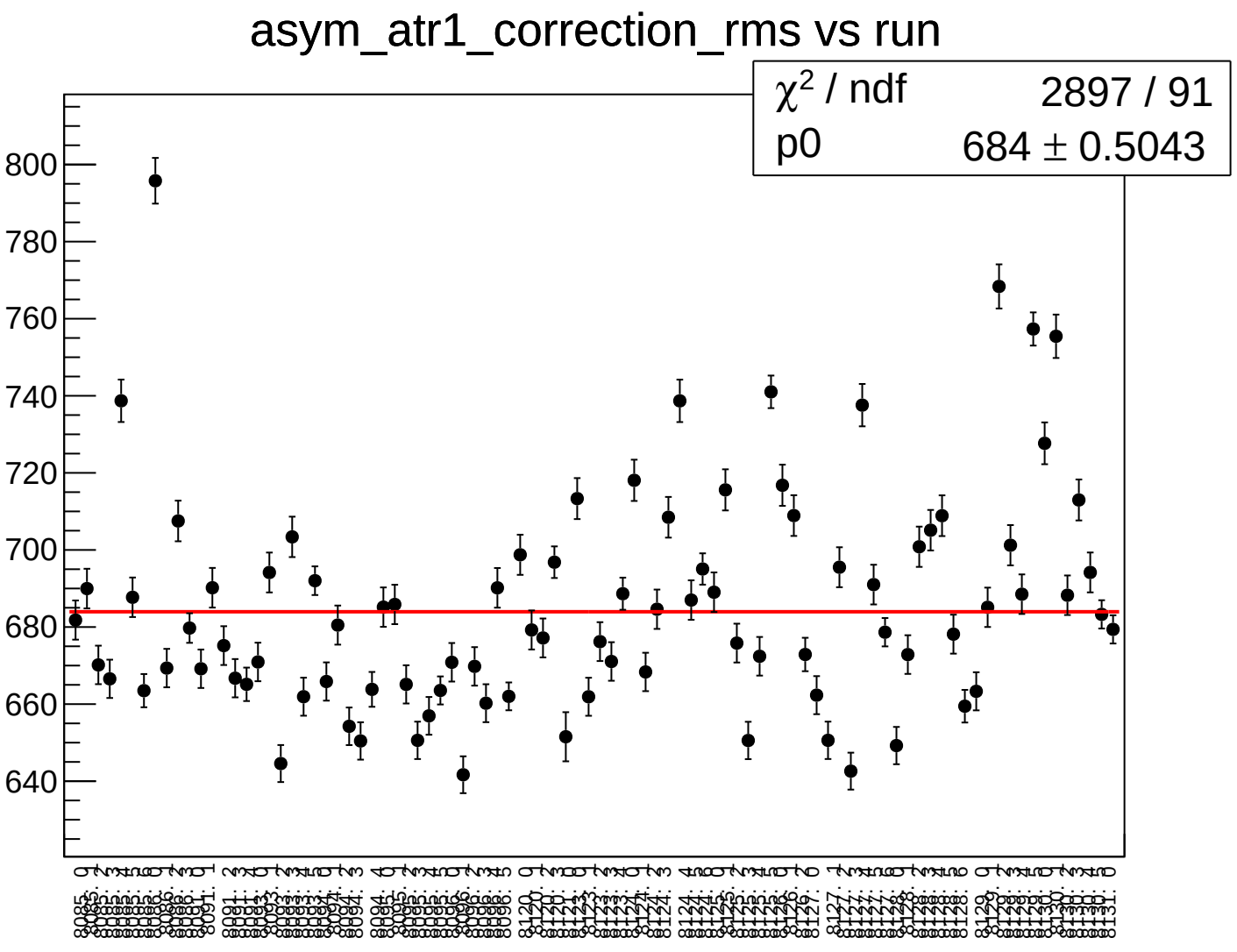

asym_atl2_rms vs run
×10^3
χ^2 / ndf 7.216e+04 / 91
p0 8318 ± 6.251
100
80
60
40
20

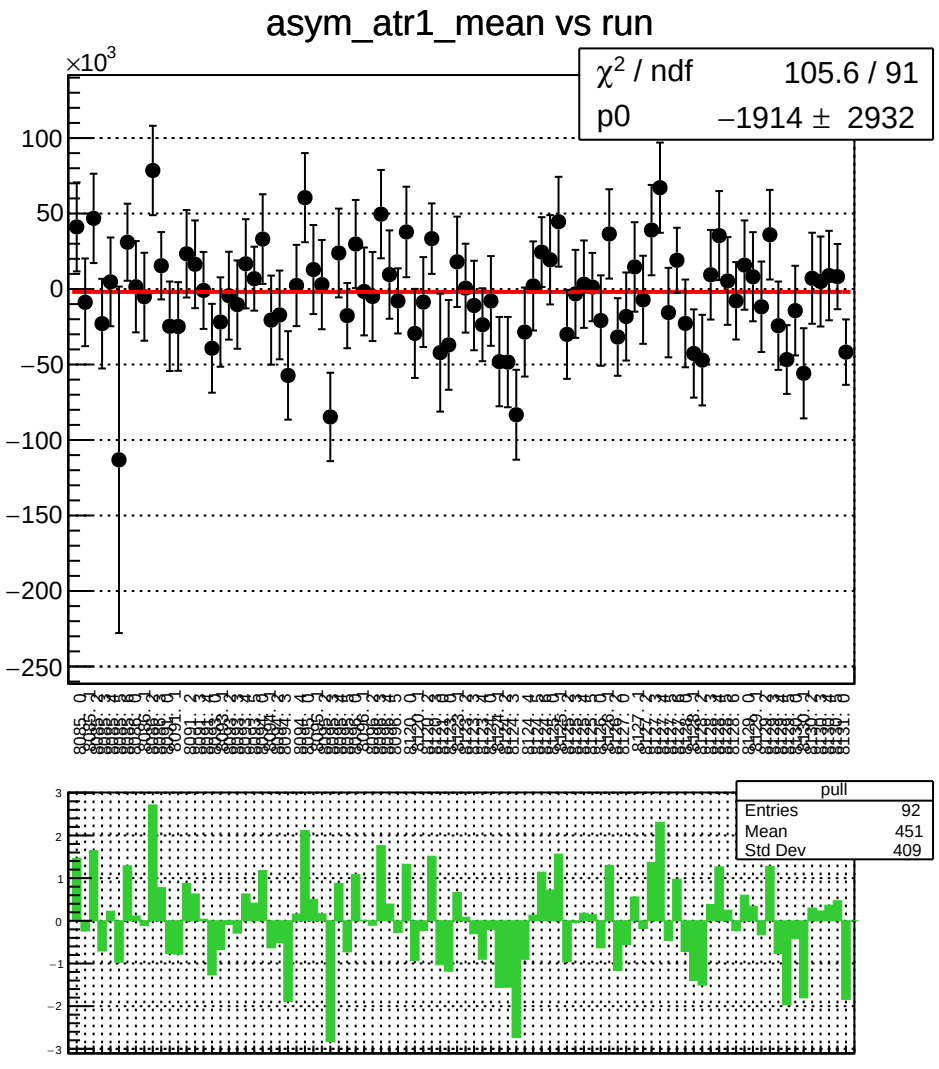

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 109.4 / 91
p0 −2351 ± 2848
100
50
0
−50
−100
−150
−200
−250
pull
Entries 92
Mean 654.9
Std Dev 613.8
3
2
1
0
−1
−2
−3

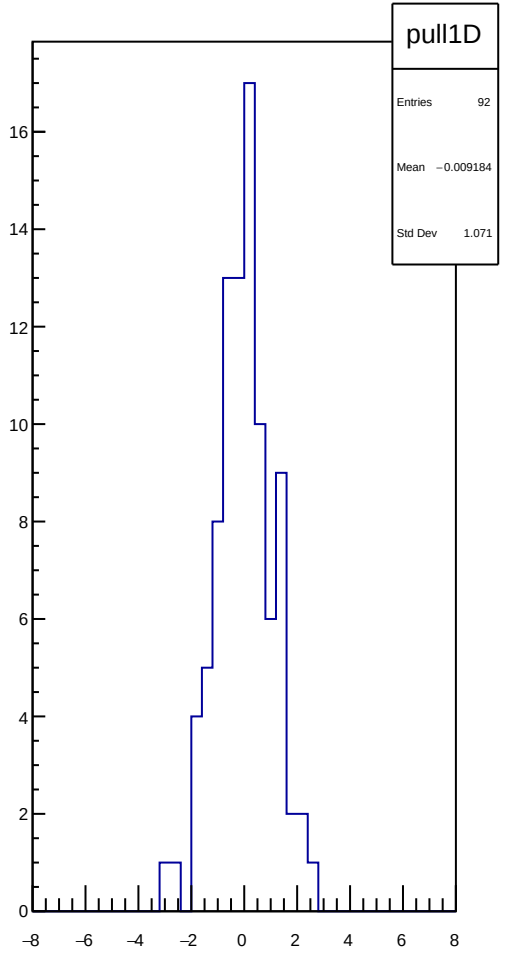

pull1D
Entries 92
Mean −0.006438
Std Dev 1.09
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

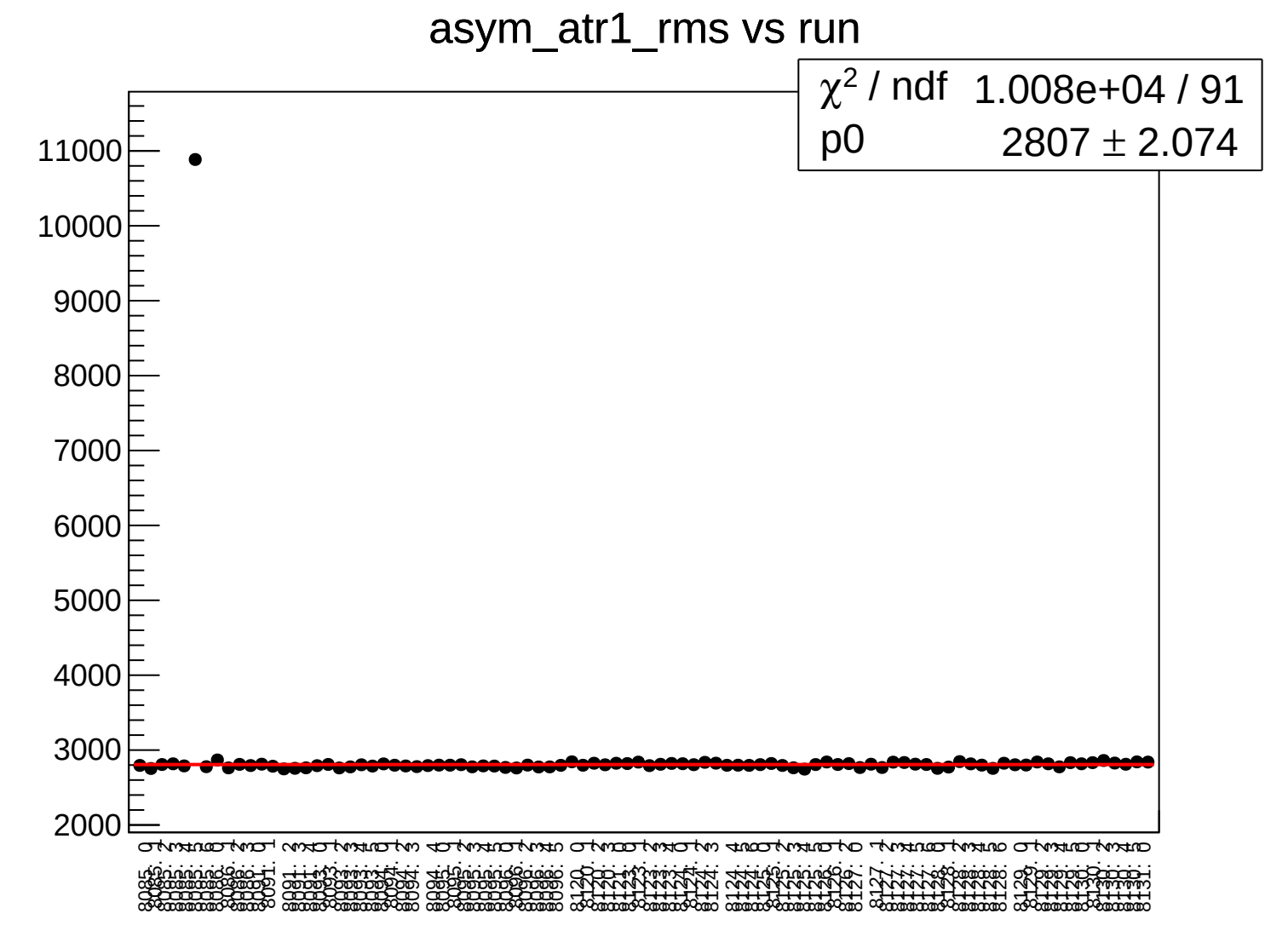

dit_asym_atr1_rms vs run
χ^2 / ndf 1.058e+04 / 91
p0 2726 ± 2.014
10000
8000
6000
4000
2000

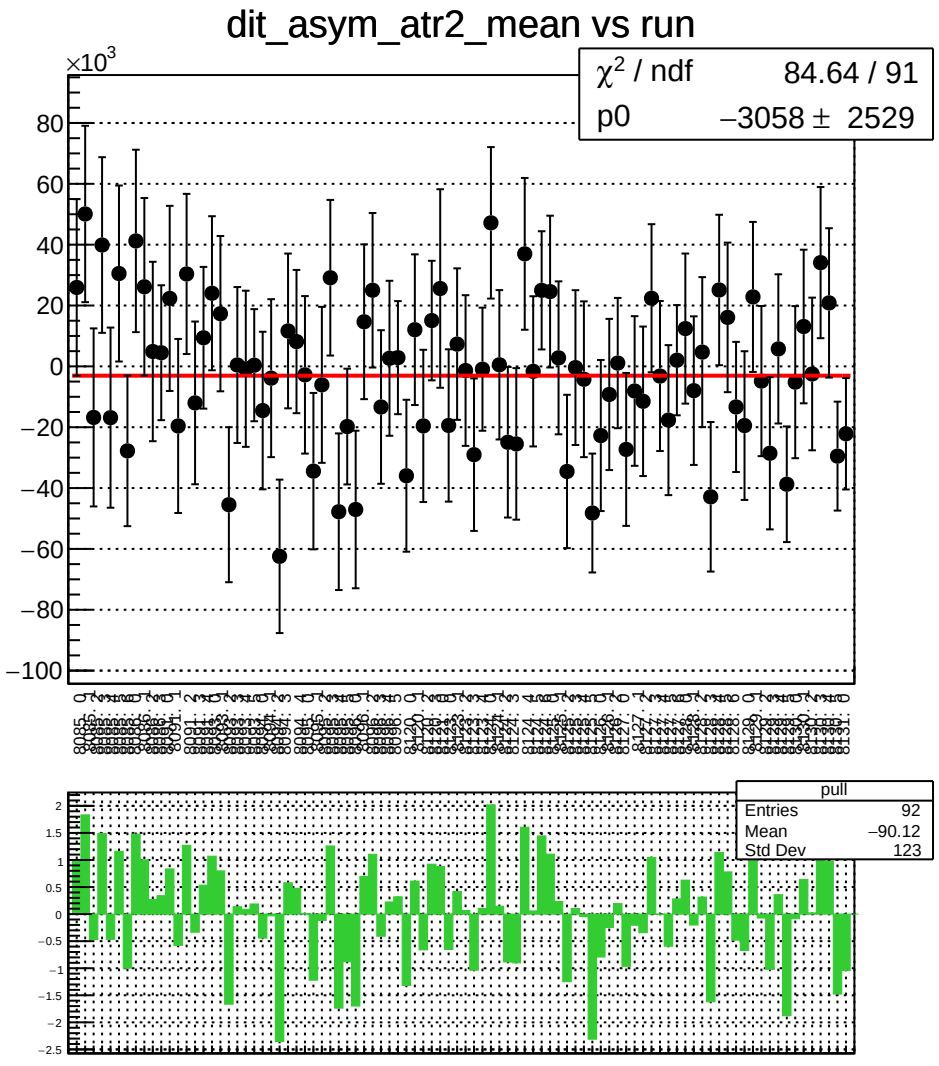

asym_atr1_correction_mean vs run
χ² / ndf 65.82 / 91
p0 −256.7 ± 713.1
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 215.7
Std Dev 195.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.003103
Std Dev 0.8458
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

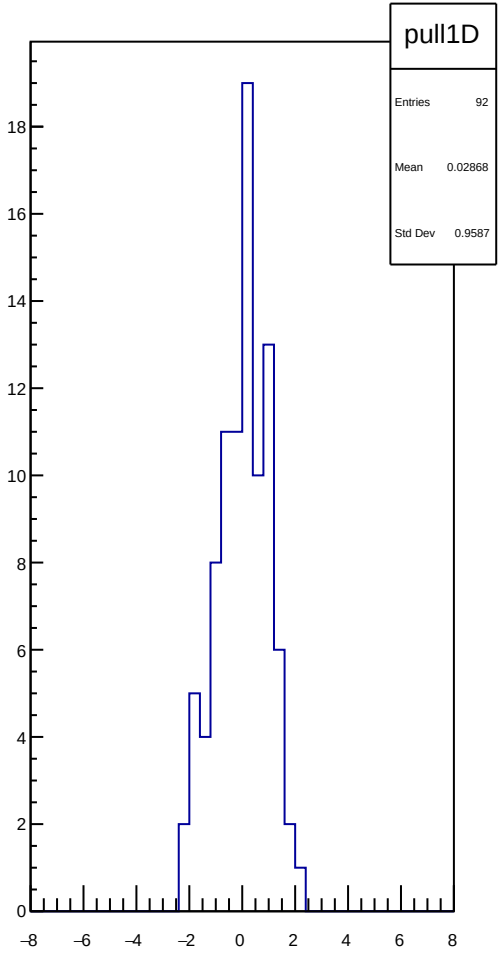

asym_atr1_correction_rms vs run
χ² / ndf 2897 / 91
p0 684 ± 0.5043
800
780
760
740
720
700
680
660
640

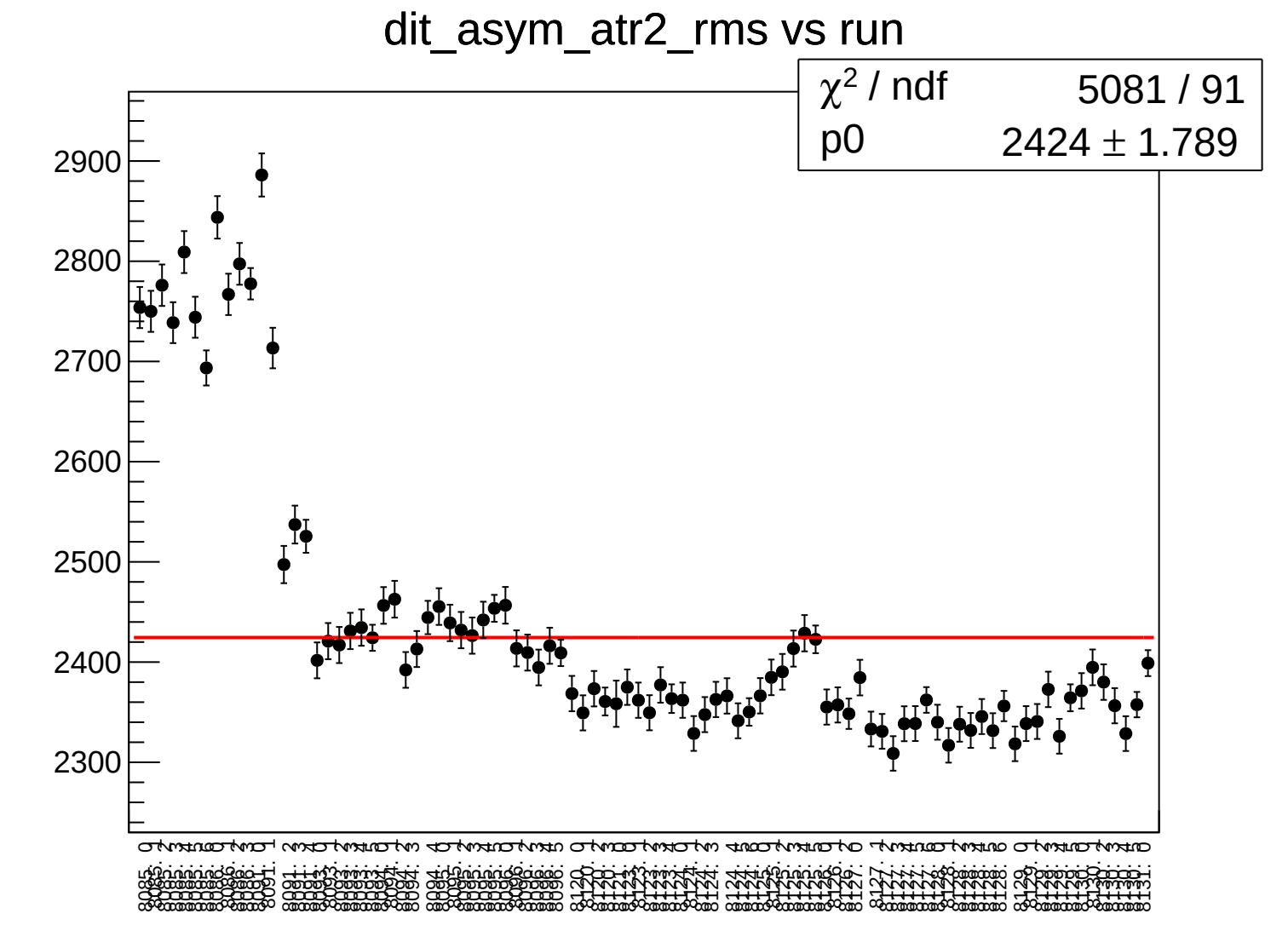

asym_atr1_mean vs run
×10^3
χ^2 / ndf 105.6 / 91
p0 −1914 ± 2932
100
50
0
−50
−100
−150
−200
−250
pull
Entries 92
Mean 451
Std Dev 409
3
2
1
0
−1
−2
−3

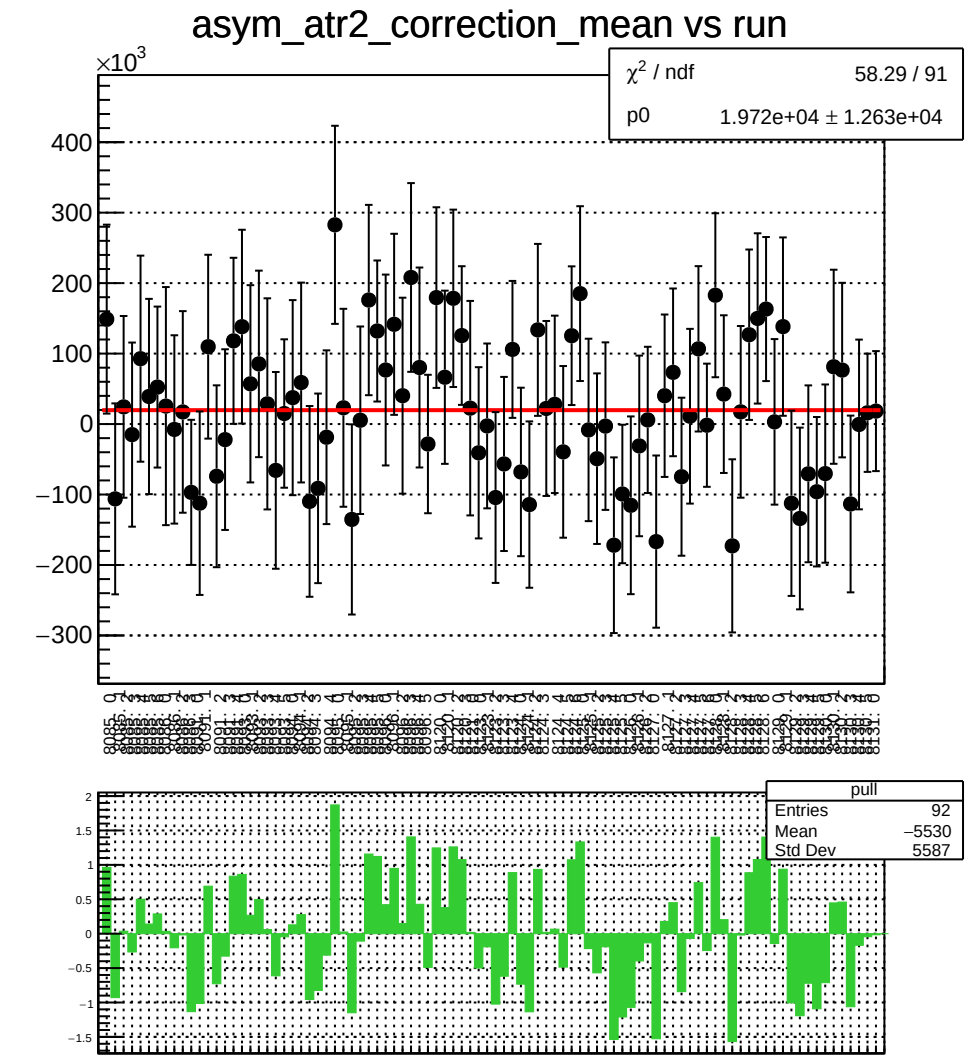

pull1D
Entries 92
Mean −0.009184
Std Dev 1.071
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

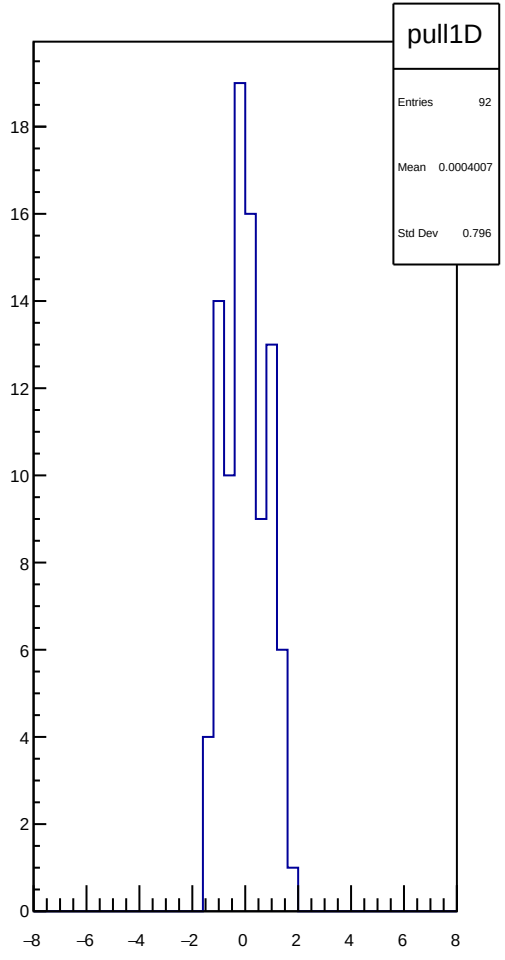

asym_atr1_rms vs run
χ^2 / ndf 1.008e+04 / 91
p0 2807 ± 2.074
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

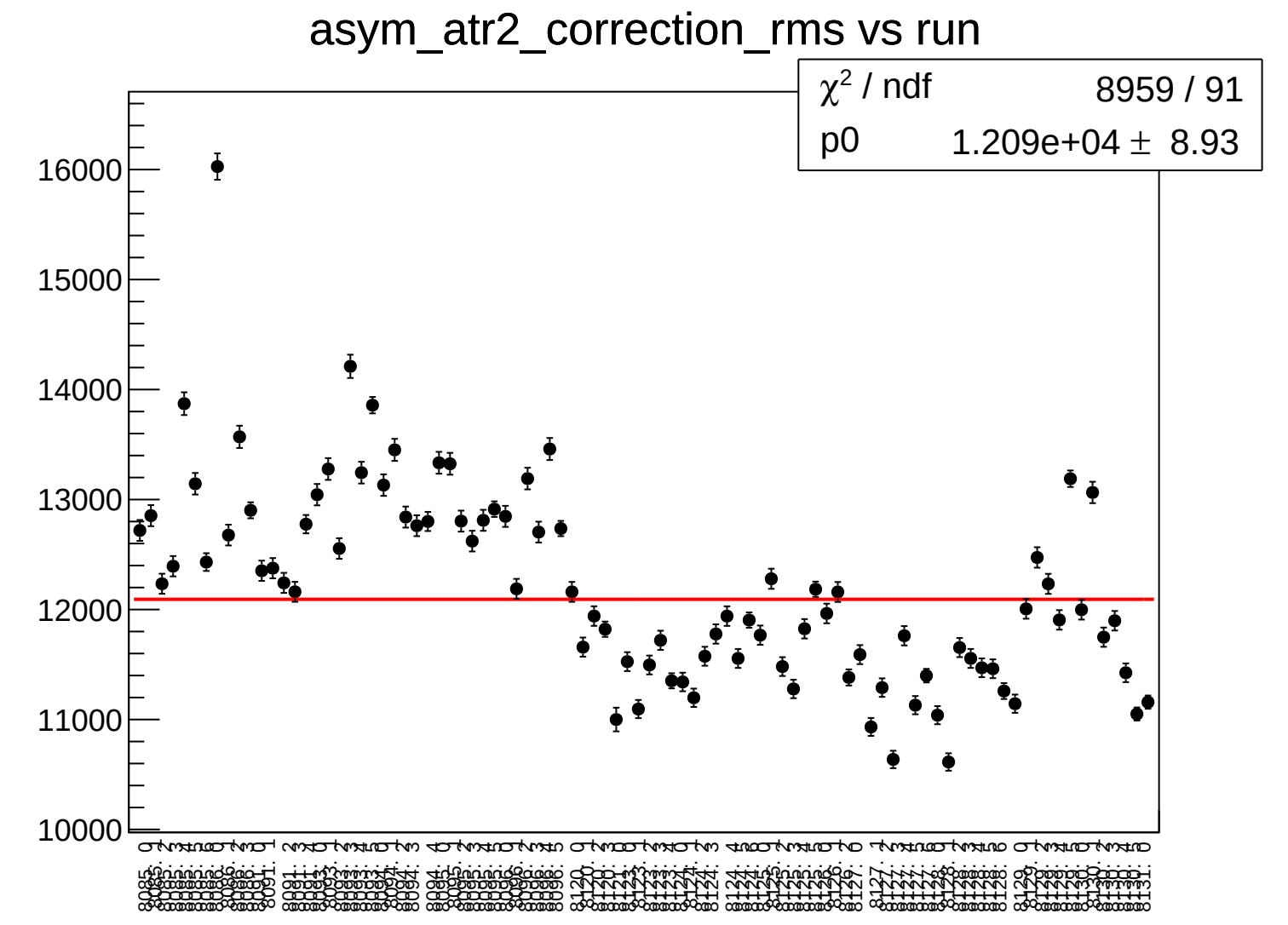

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 84.64 / 91
p0 −3058 ± 2529
pull
Entries 92
Mean −90.12
Std Dev 123

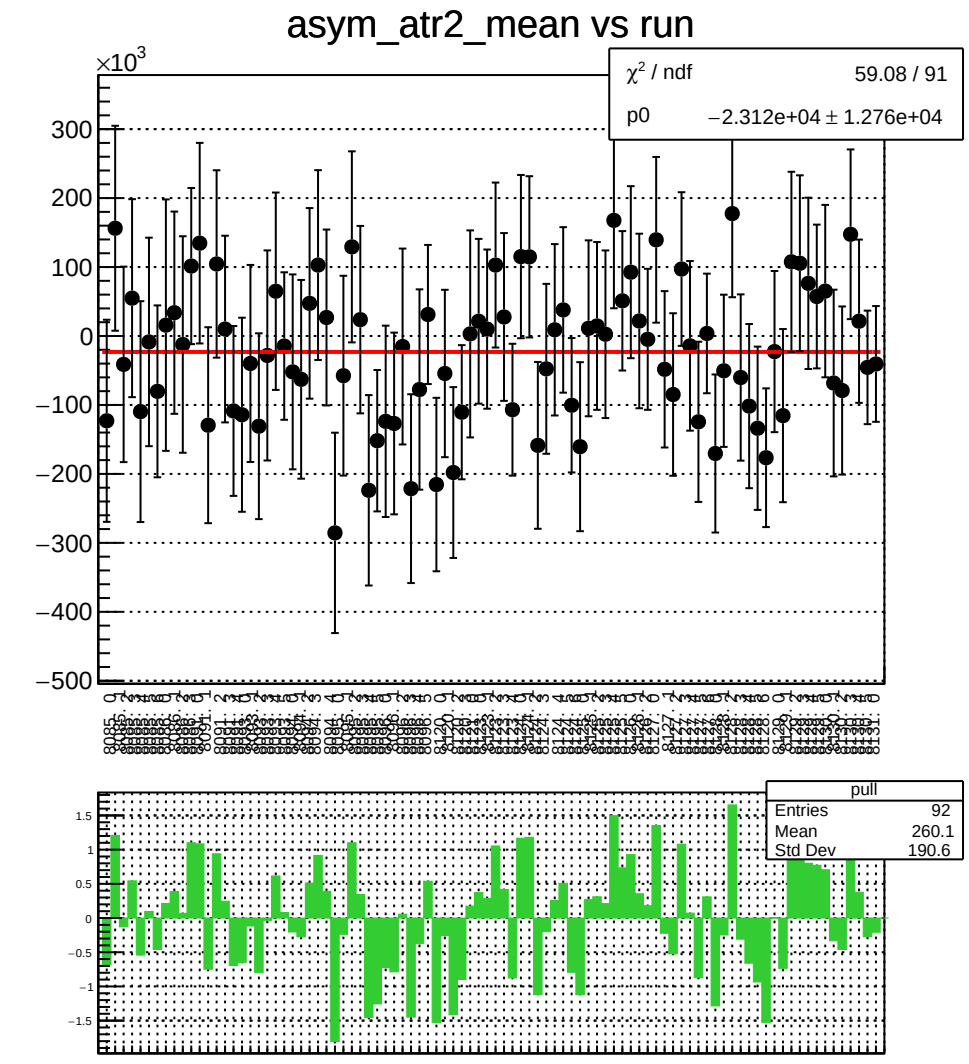

pull1D
Entries 92
Mean 0.02868
Std Dev 0.9587

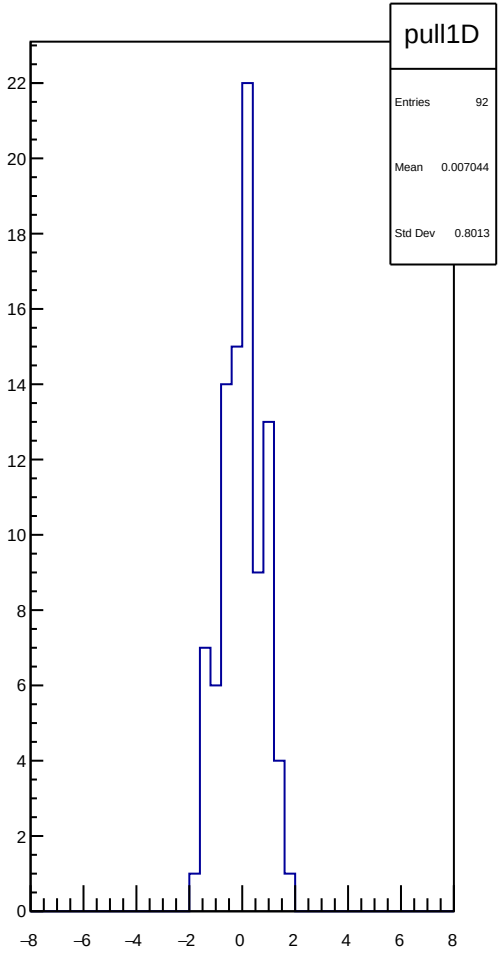

dit_asym_atr2_rms vs run
χ^2 / ndf 5081 / 91
p0 2424 ± 1.789
2900
2800
2700
2600
2500
2400
2300

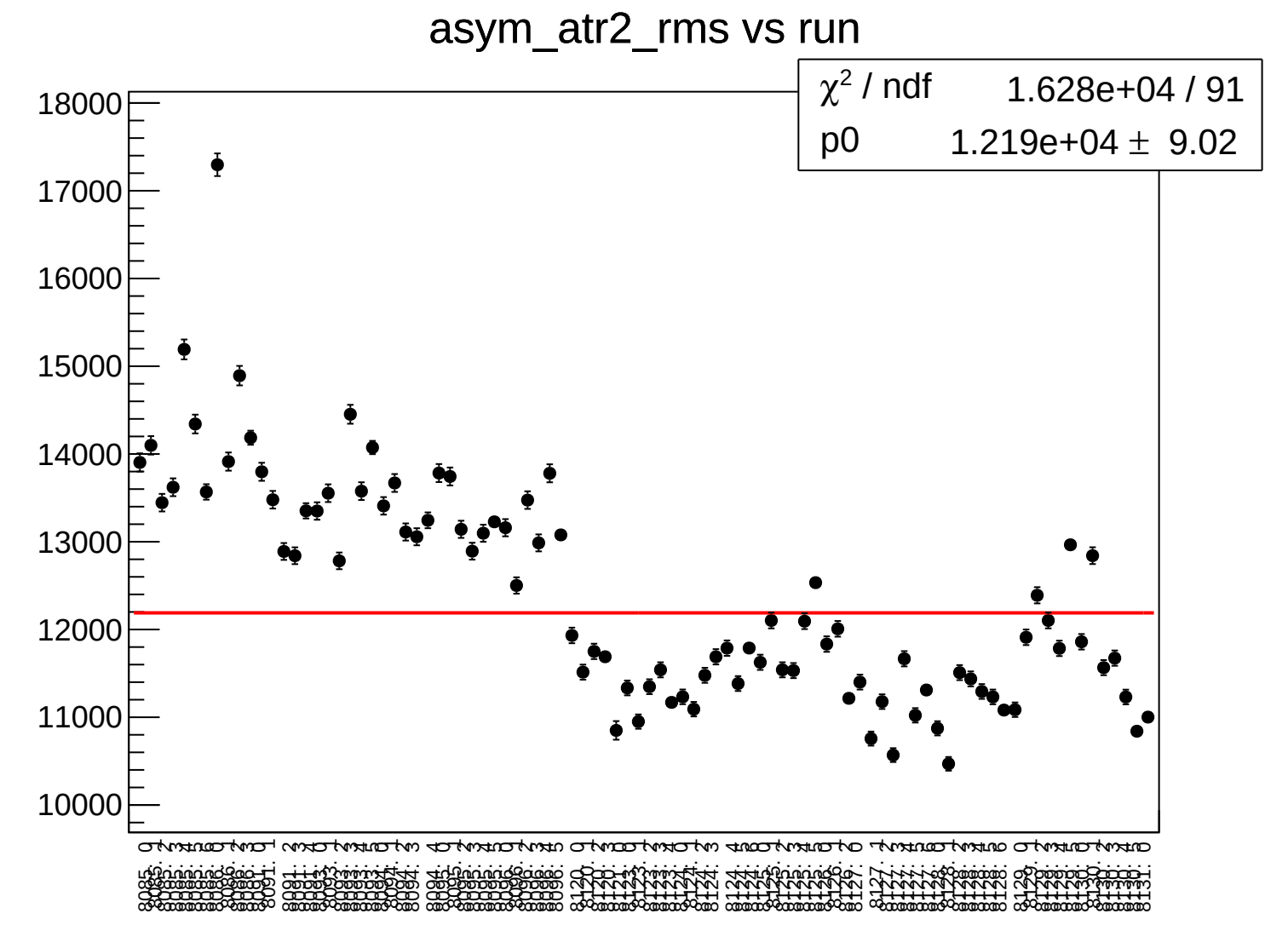

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 58.29 / 91
p0 1.972e+04 ± 1.263e+04
400
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean −5530
Std Dev 5587
2
1.5
1
0.5
0
−0.5
−1
−1.5

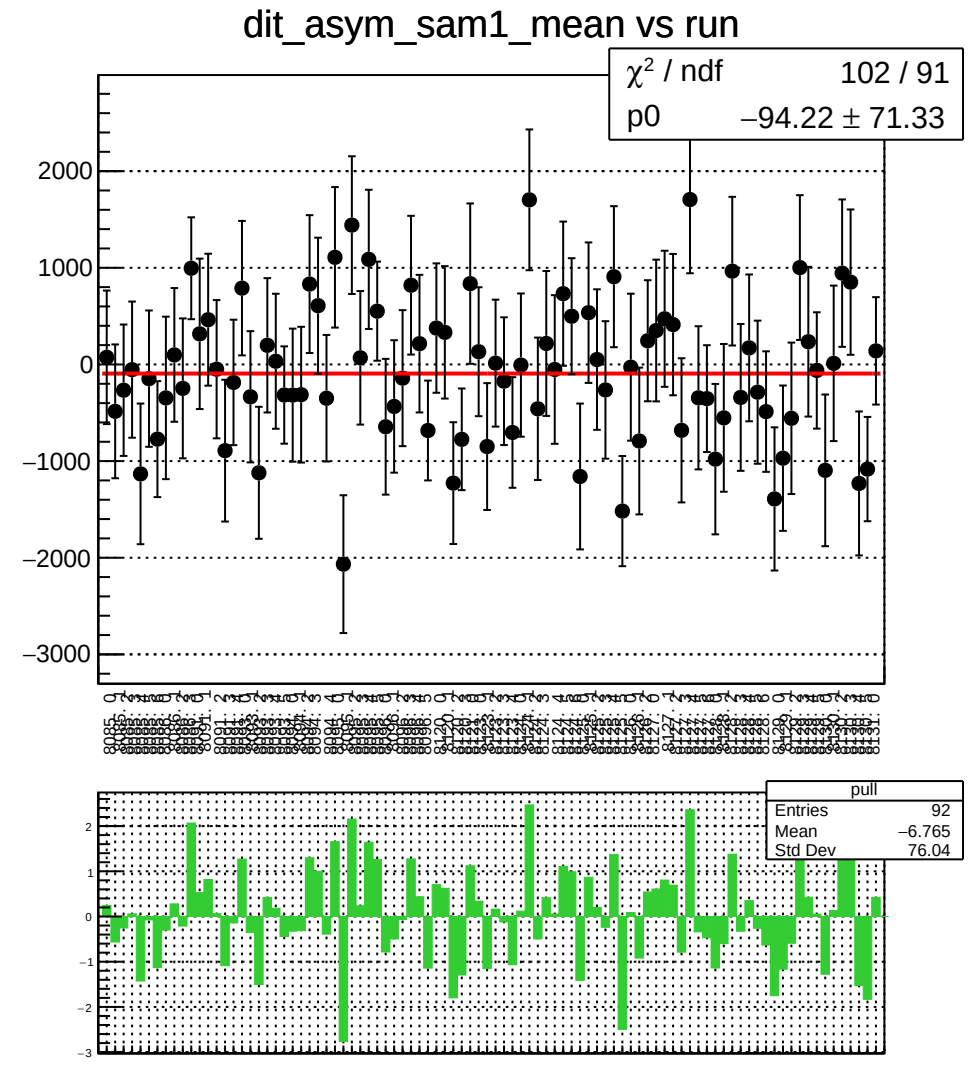

pull1D
Entries 92
Mean 0.0004007
Std Dev 0.796
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

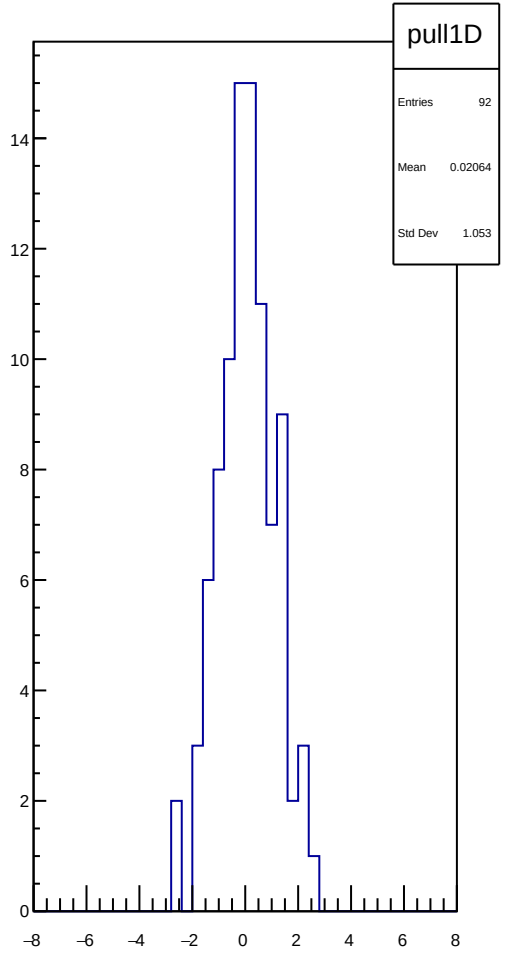

asym_atr2_correction_rms vs run
χ² / ndf 8959 / 91
p0 1.209e+04 ± 8.93
16000
15000
14000
13000
12000
11000
10000

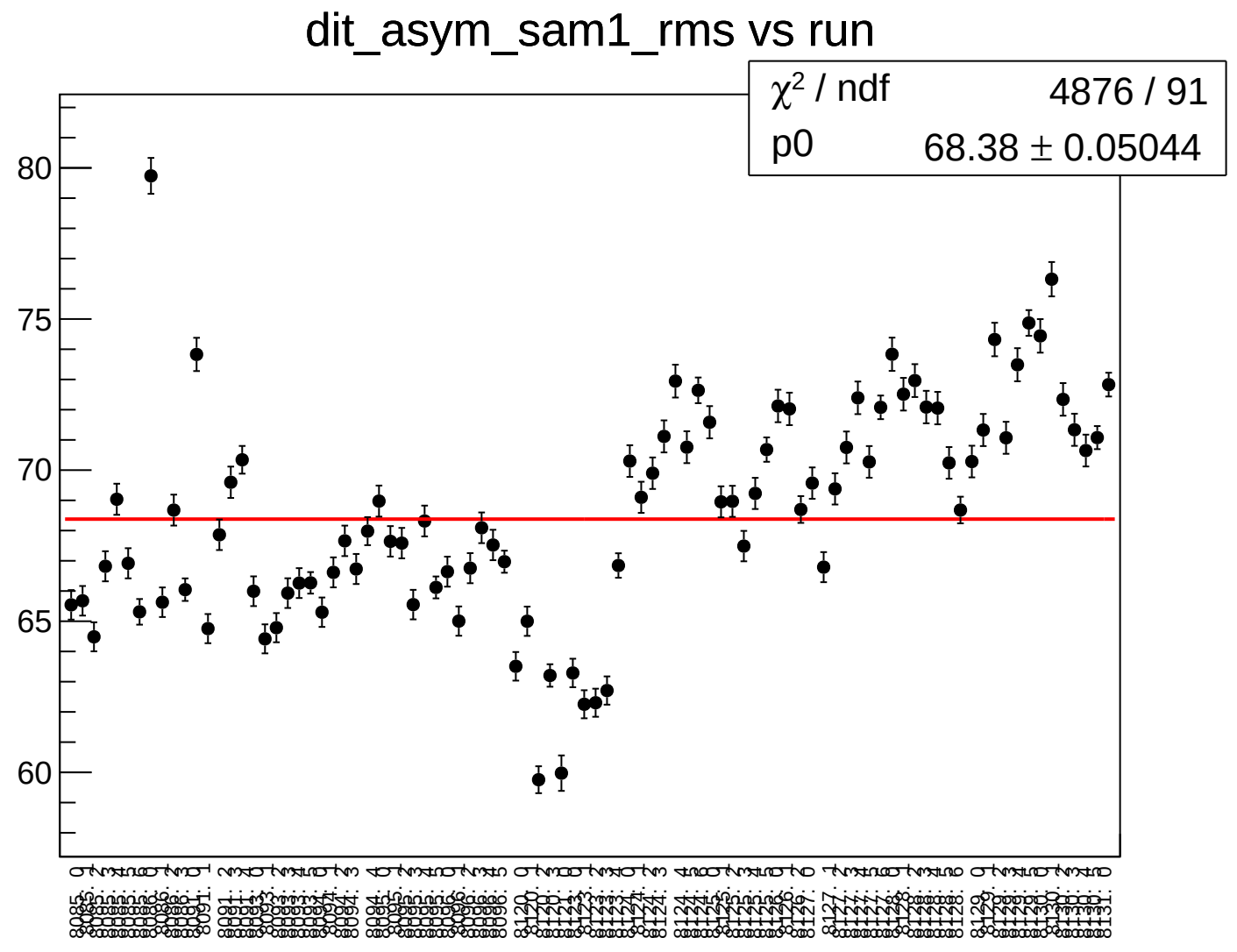

asym_atr2_mean vs run
×10^3
χ² / ndf 59.08 / 91
p0 −2.312e+04 ± 1.276e+04
pull
Entries 92
Mean 260.1
Std Dev 190.6

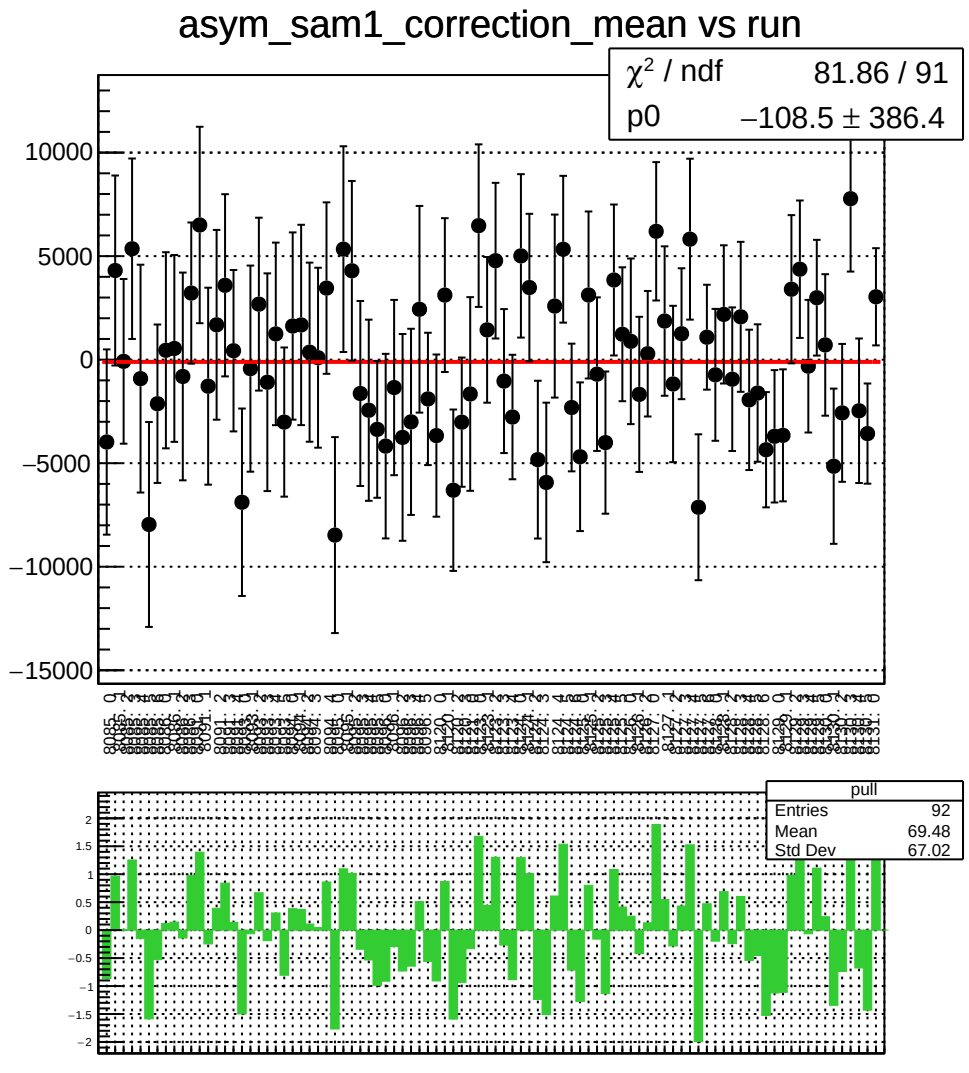

pull1D
Entries 92
Mean 0.007044
Std Dev 0.8013

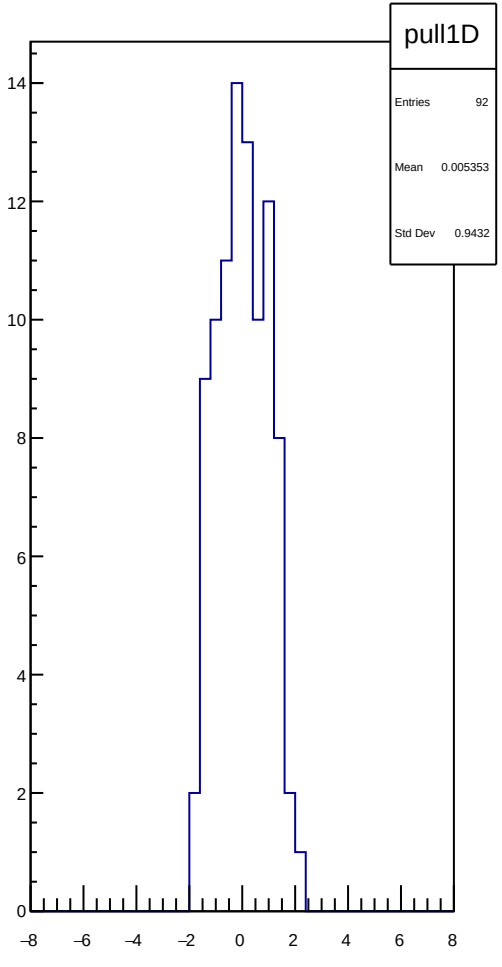

asym_atr2_rms vs run
χ^2 / ndf 1.628e+04 / 91
p0 1.219e+04 ± 9.02
18000
17000
16000
15000
14000
13000
12000
11000
10000

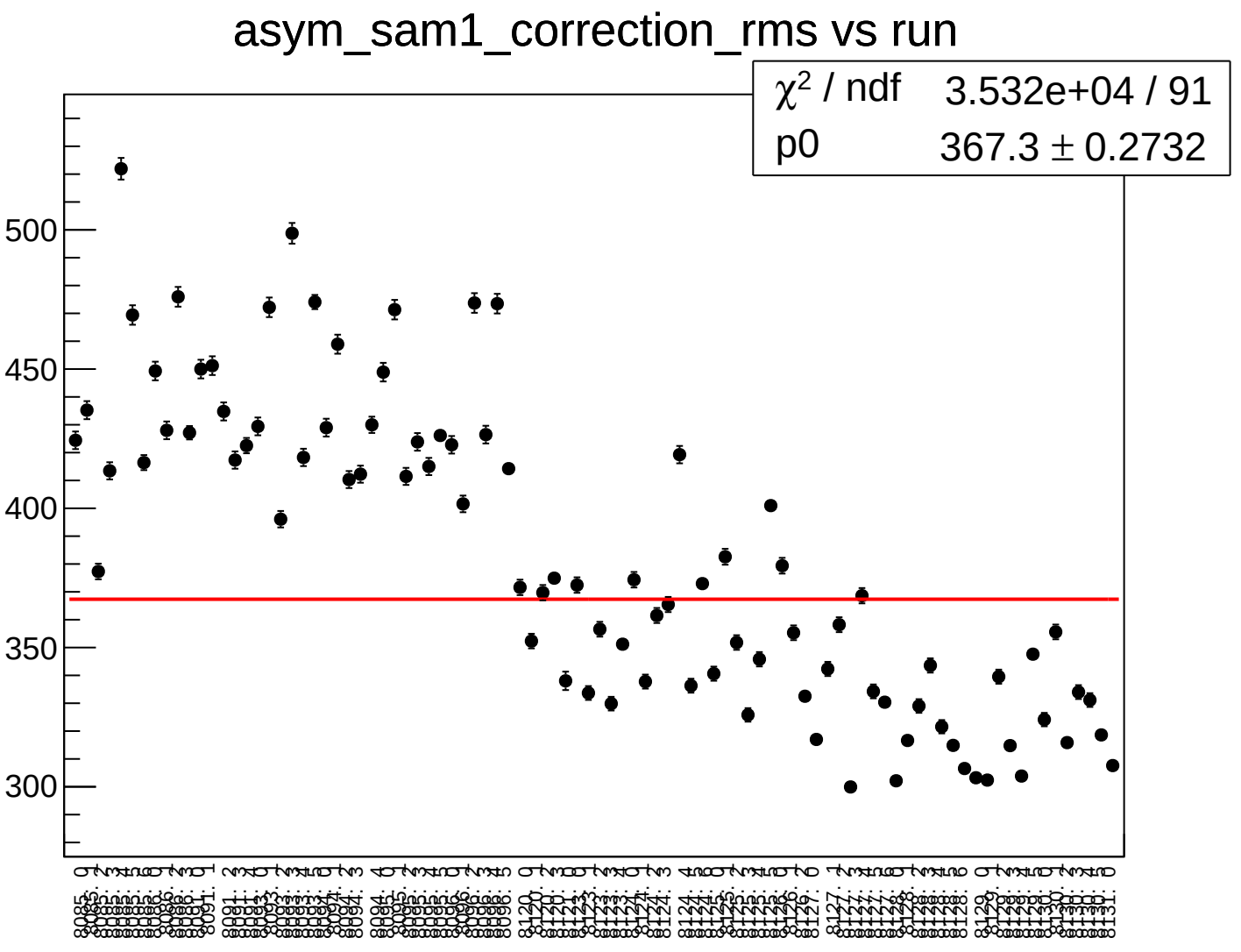

dit_asym_sam1_mean vs run
χ² / ndf 102 / 91
p0 −94.22 ± 71.33
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −6.765
Std Dev 76.04
2
1
0
−1
−2
−3

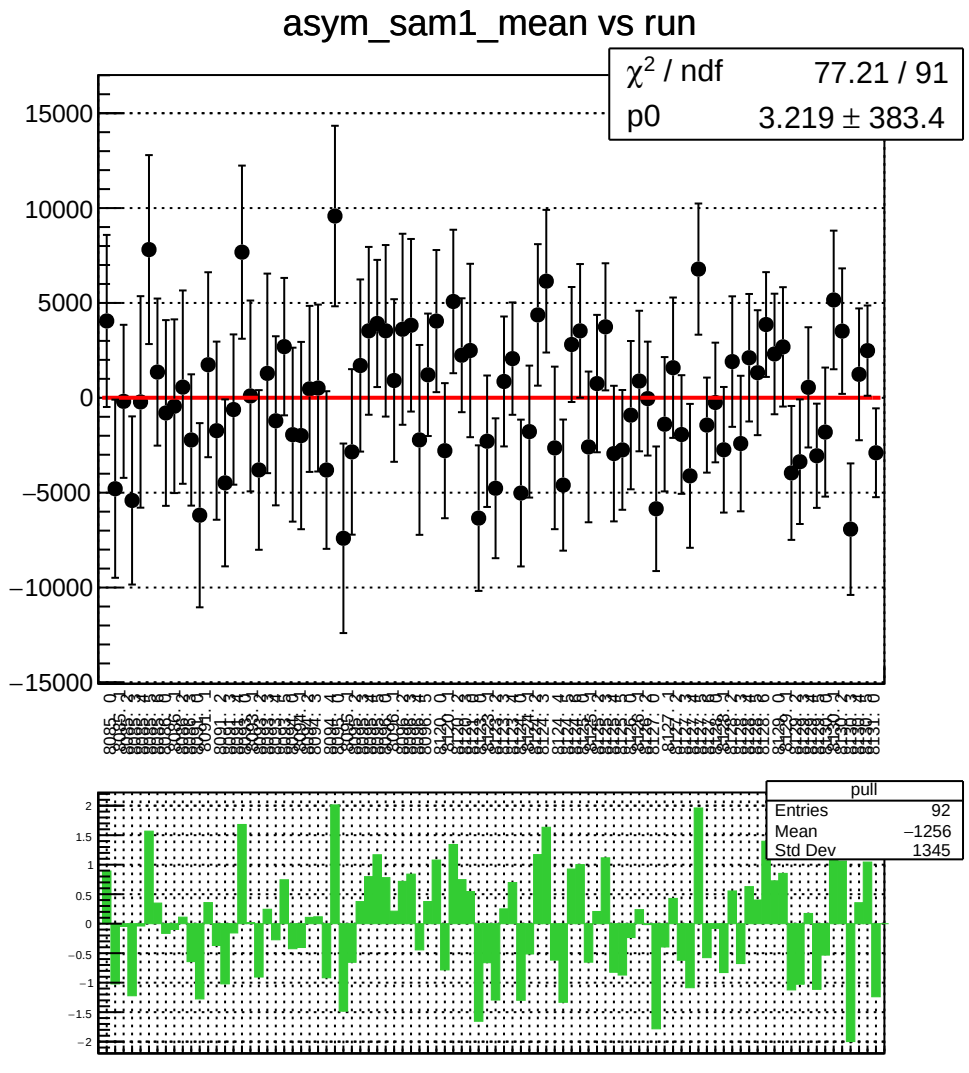

pull1D
Entries 92
Mean 0.02064
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

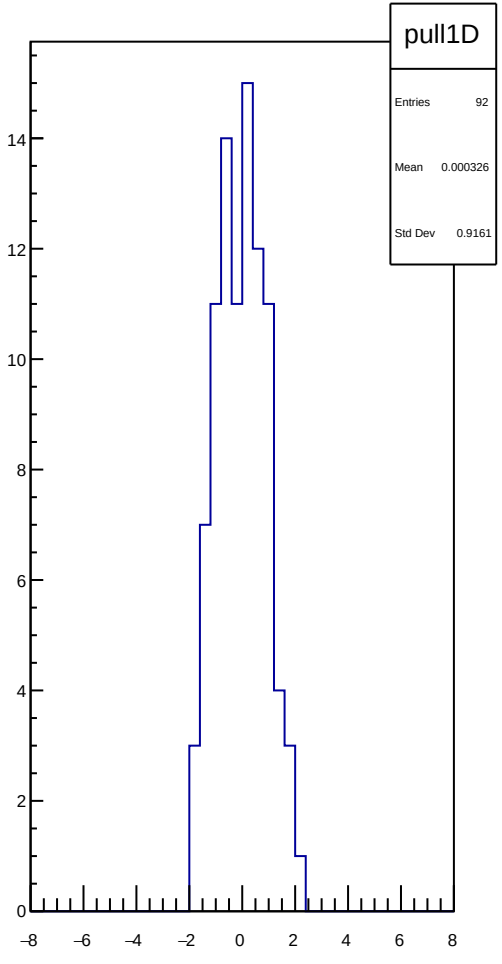

dit_asym_sam1_rms vs run
χ² / ndf 4876 / 91
p0 68.38 ± 0.05044
80
75
70
65
60

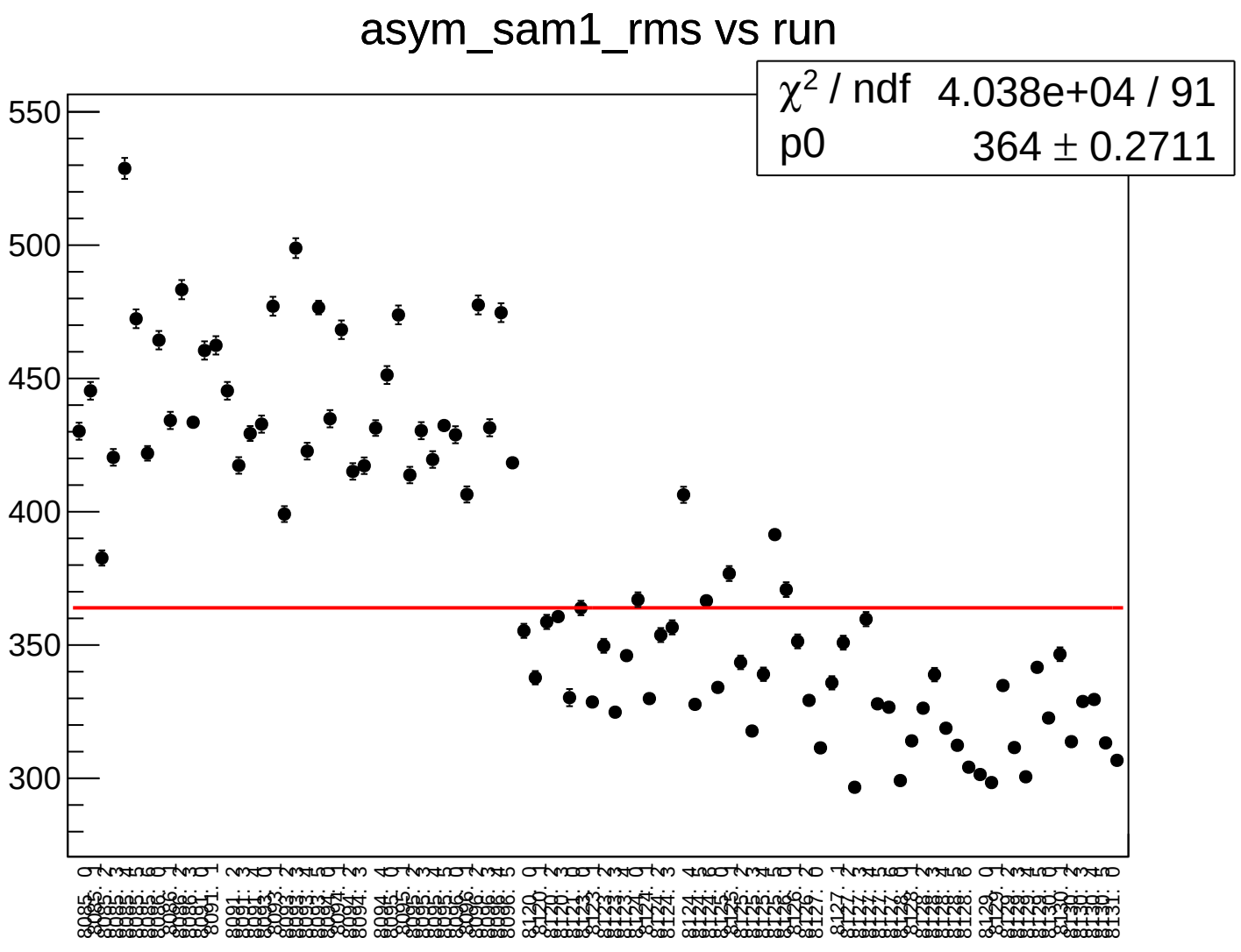

asym_sam1_correction_mean vs run
χ² / ndf 81.86 / 91
p0 −108.5 ± 386.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 69.48
Std Dev 67.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

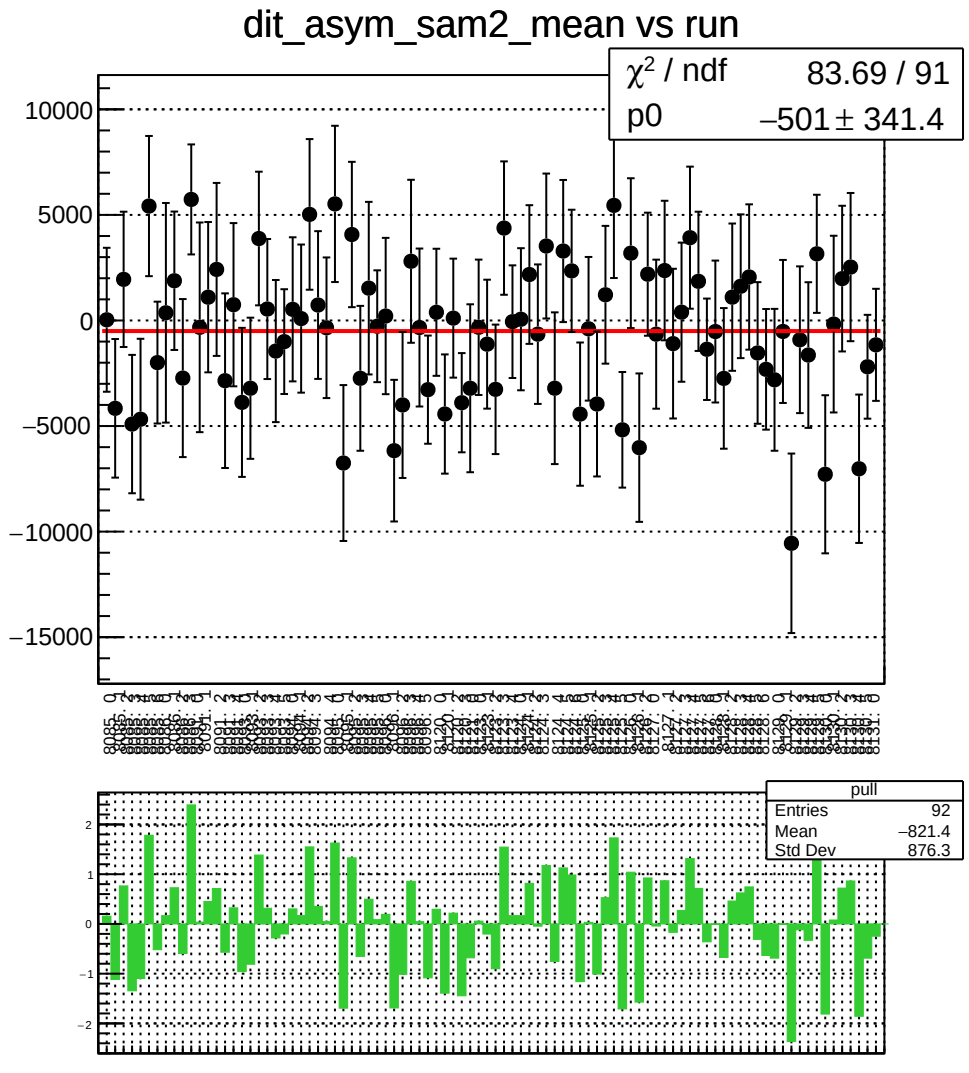

pull1D
Entries 92
Mean 0.005353
Std Dev 0.9432
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

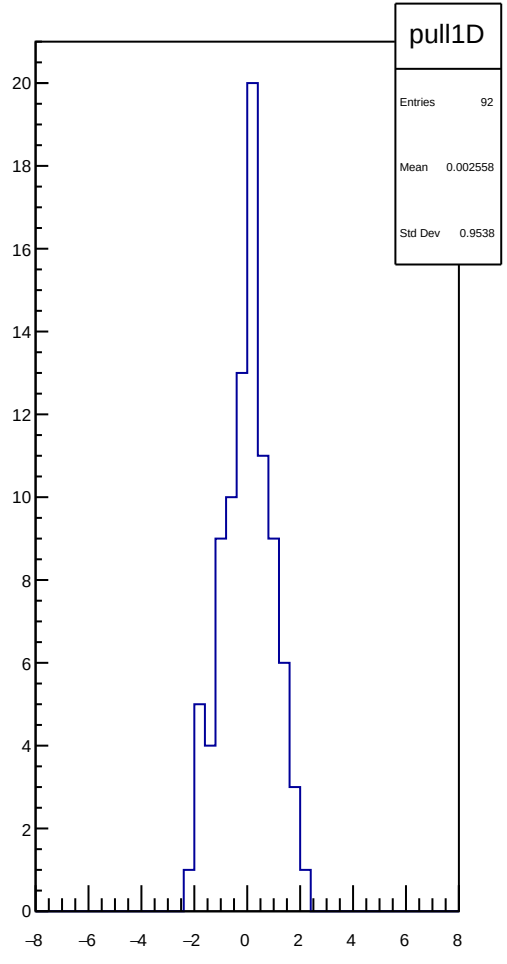

asym_sam1_correction_rms vs run
χ^2 / ndf 3.532e+04 / 91
p0 367.3 ± 0.2732
500
450
400
350
300

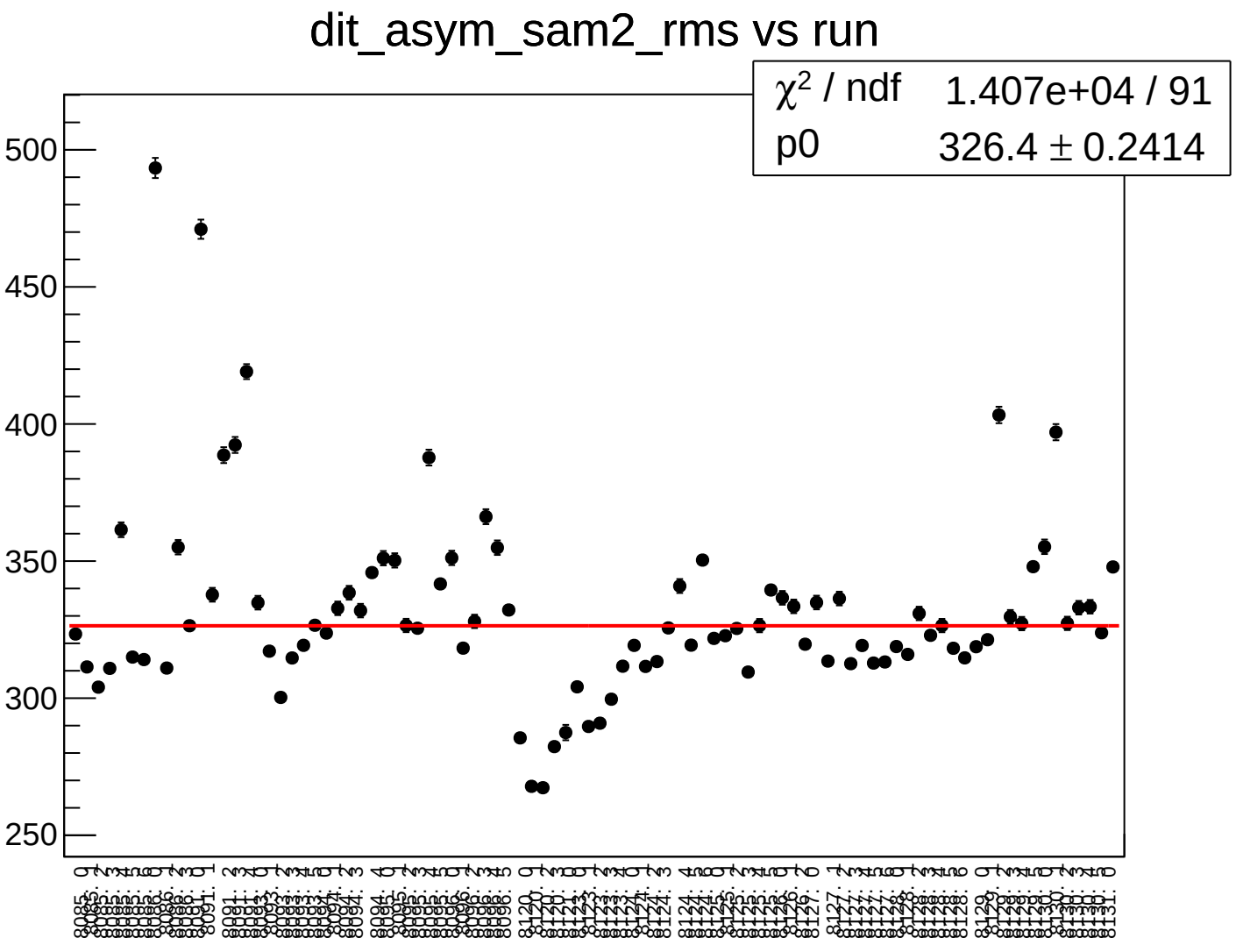

asym_sam1_mean vs run
χ² / ndf 77.21 / 91
p0 3.219 ± 383.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −1256
Std Dev 1345
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

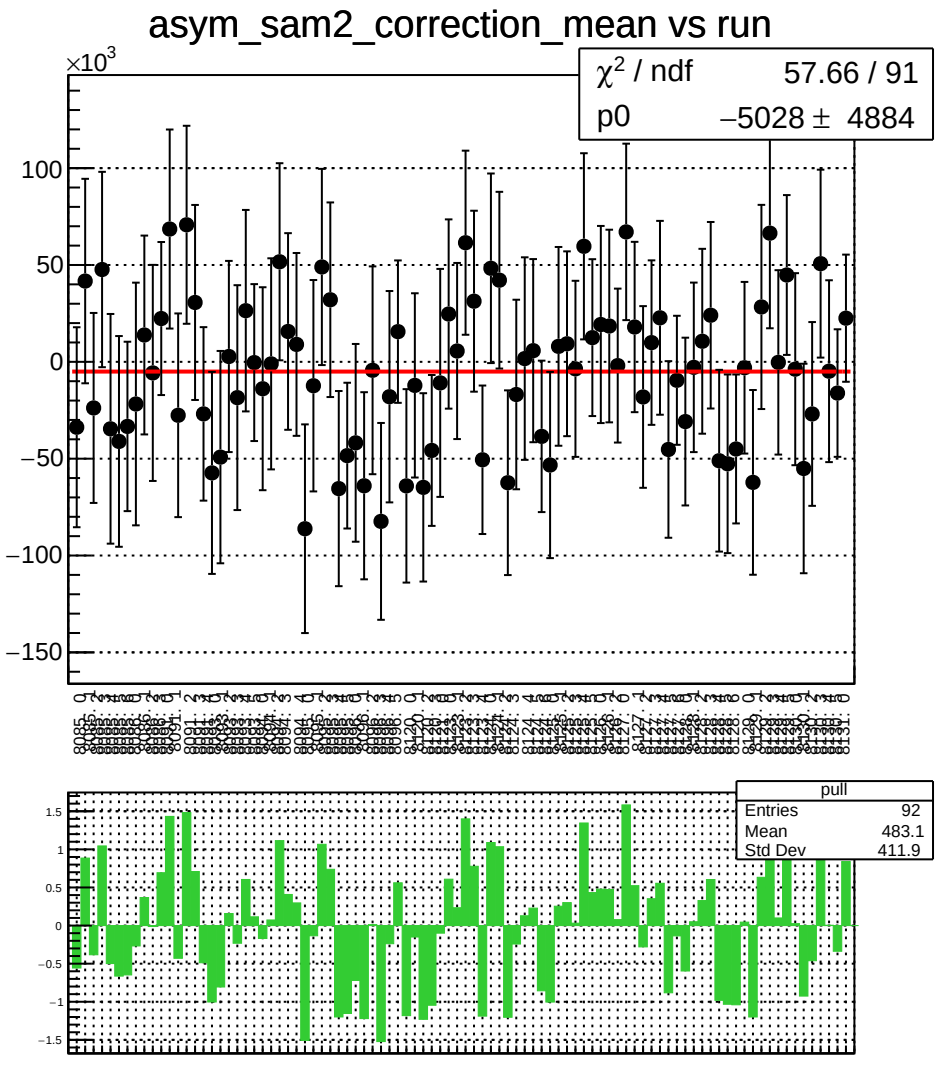

pull1D
Entries 92
Mean 0.000326
Std Dev 0.9161
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

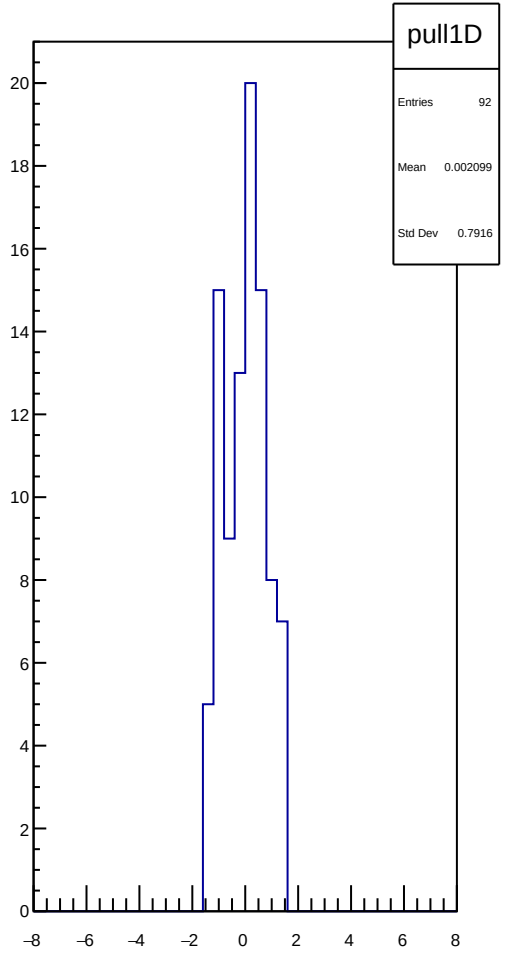

asym_sam1_rms vs run
χ^2 / ndf 4.038e+04 / 91
p0 364 ± 0.2711
550
500
450
400
350
300

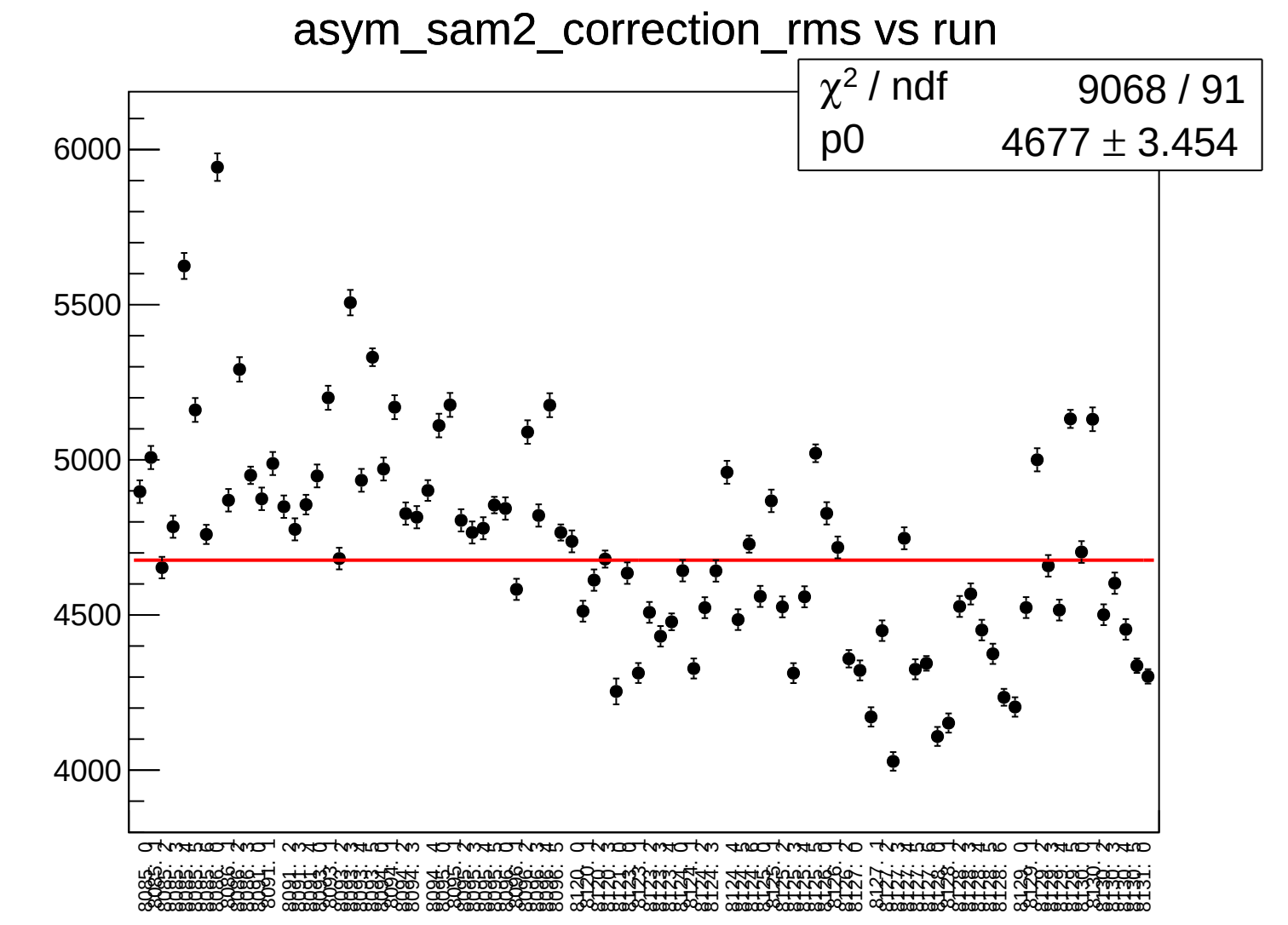

dit_asym_sam2_mean vs run
χ² / ndf 83.69 / 91
p0 −501 ± 341.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −821.4
Std Dev 876.3
2
1
0
−1
−2

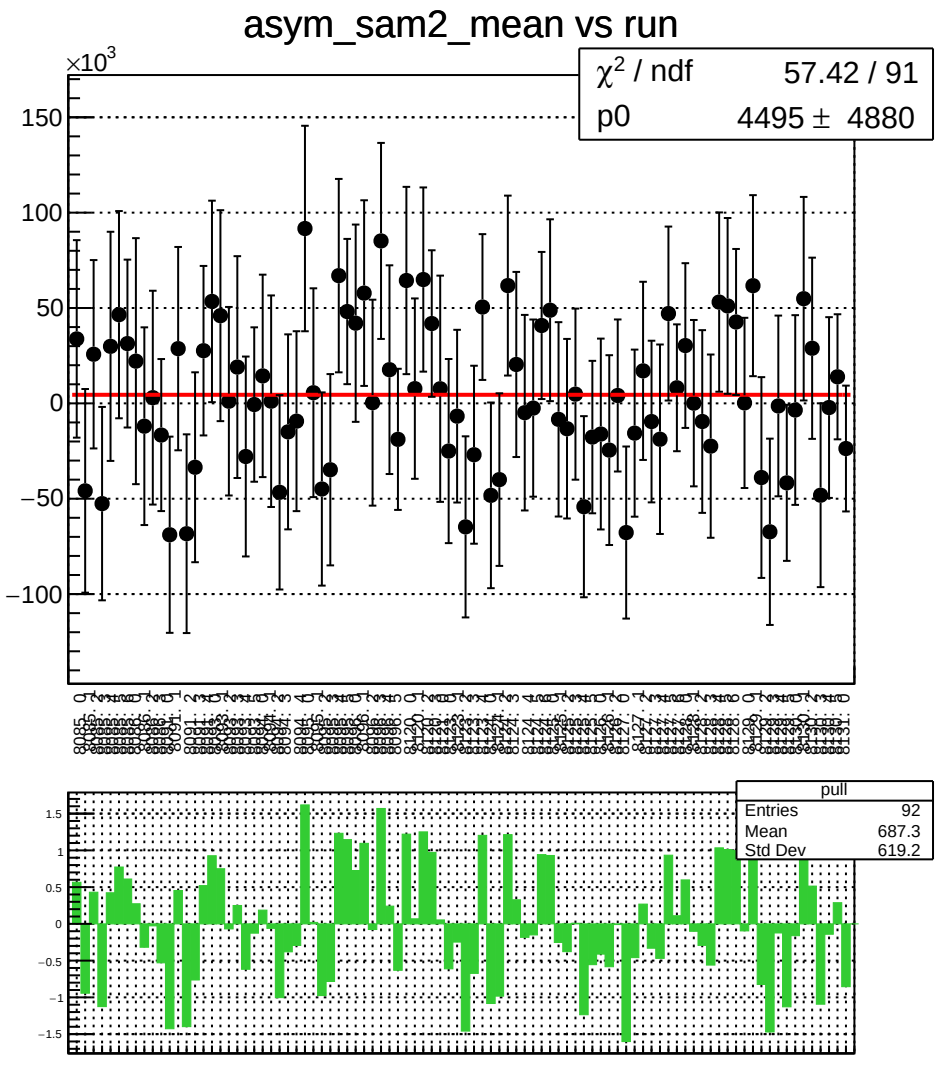

pull1D
Entries 92
Mean 0.002558
Std Dev 0.9538
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

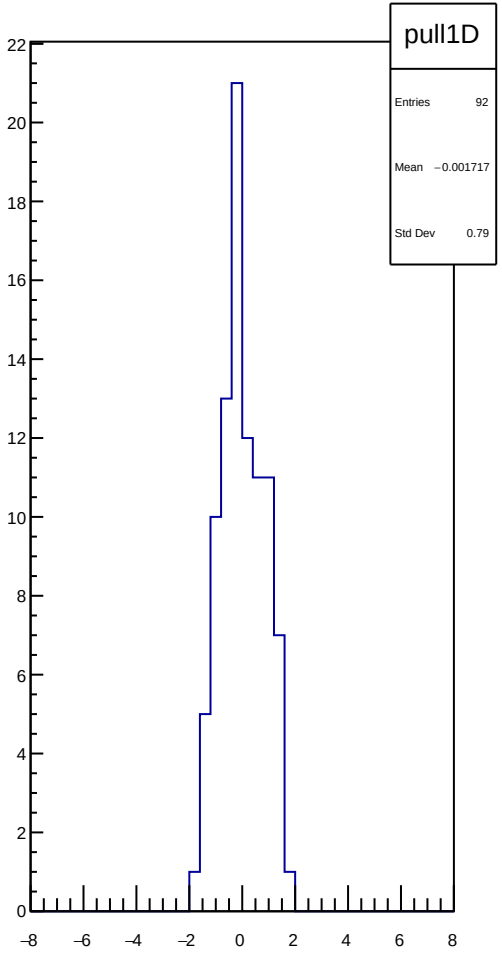

dit_asym_sam2_rms vs run
χ² / ndf 1.407e+04 / 91
p0 326.4 ± 0.2414
500
450
400
350
300
250

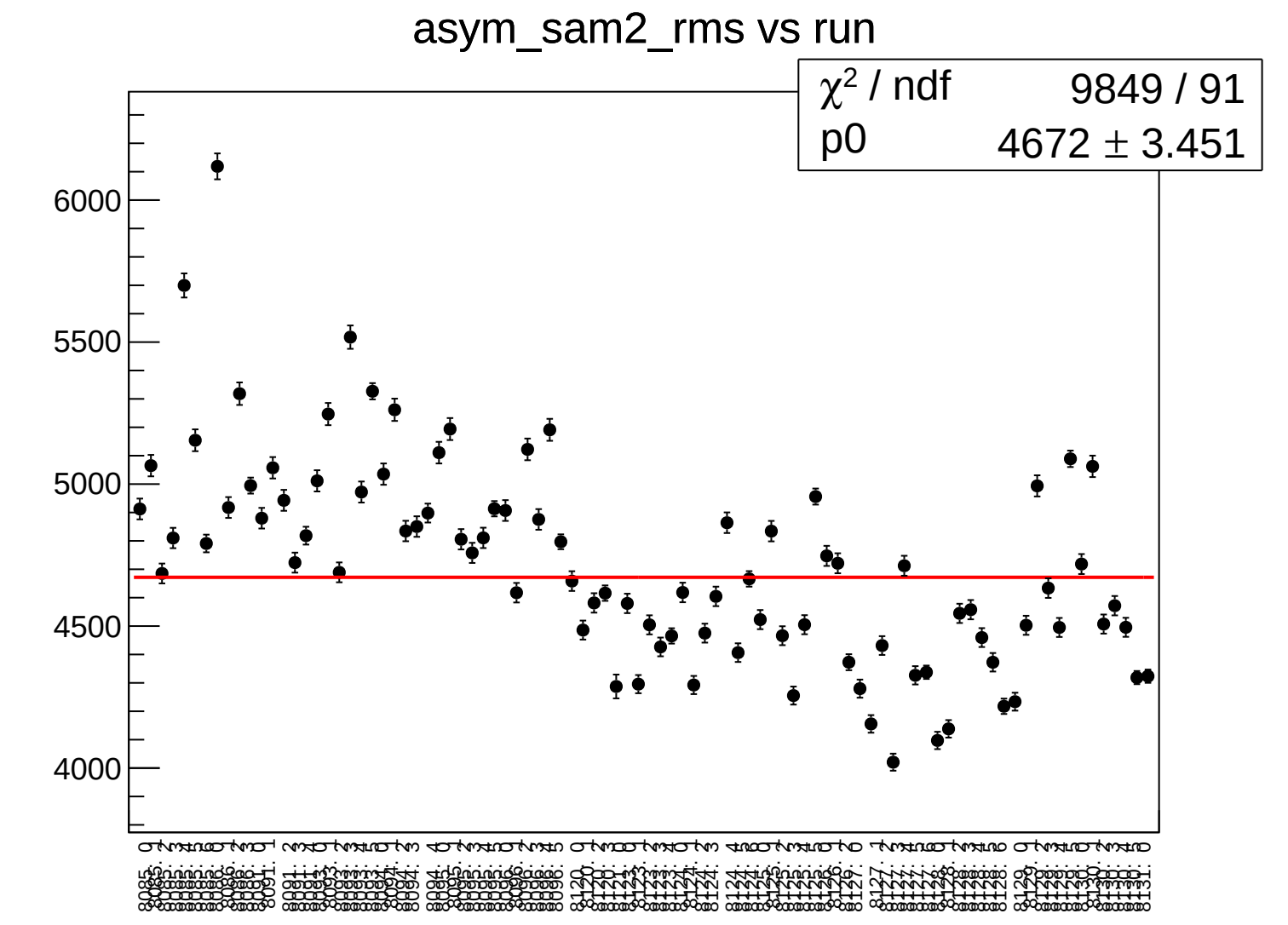

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 57.66 / 91
p0 −5028 ± 4884
100
50
0
−50
−100
−150
pull
Entries 92
Mean 483.1
Std Dev 411.9
1.5
1
0.5
0
−0.5
−1
−1.5

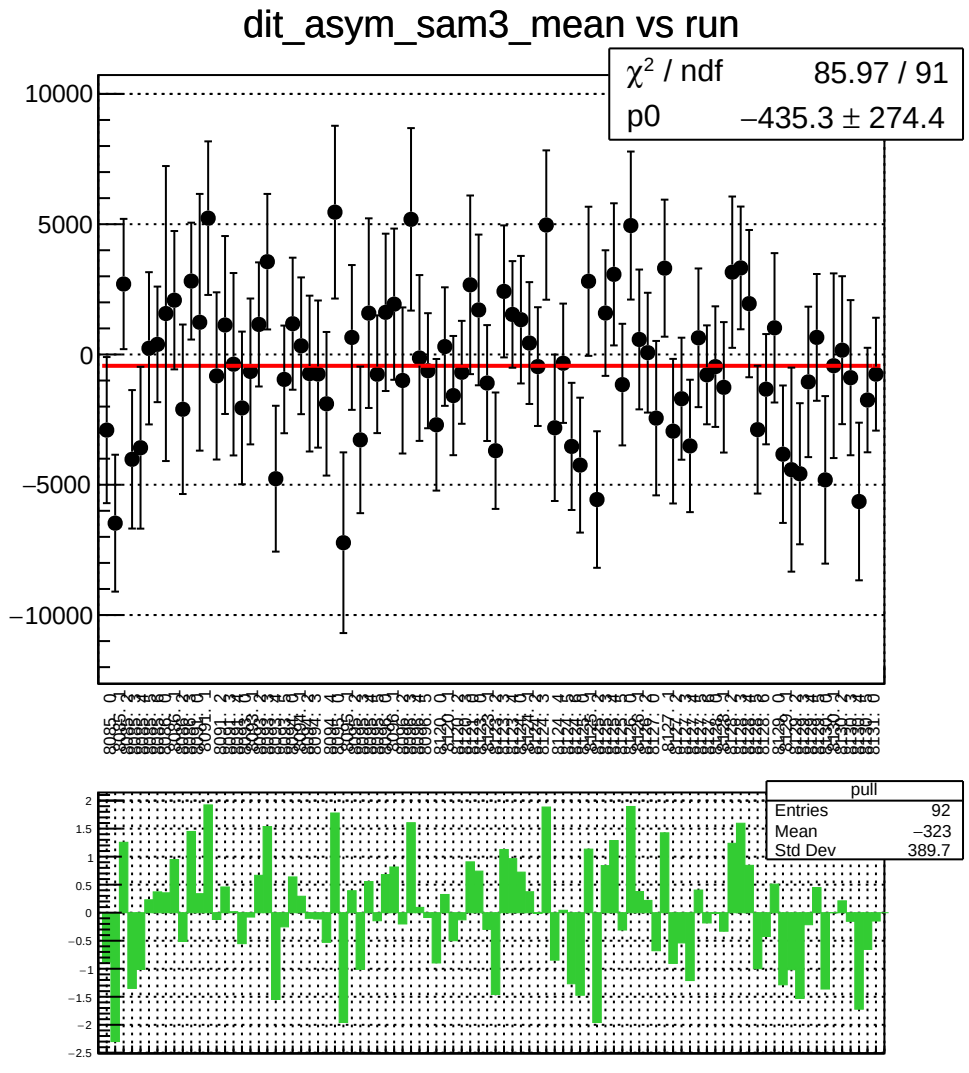

pull1D
Entries 92
Mean 0.002099
Std Dev 0.7916
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

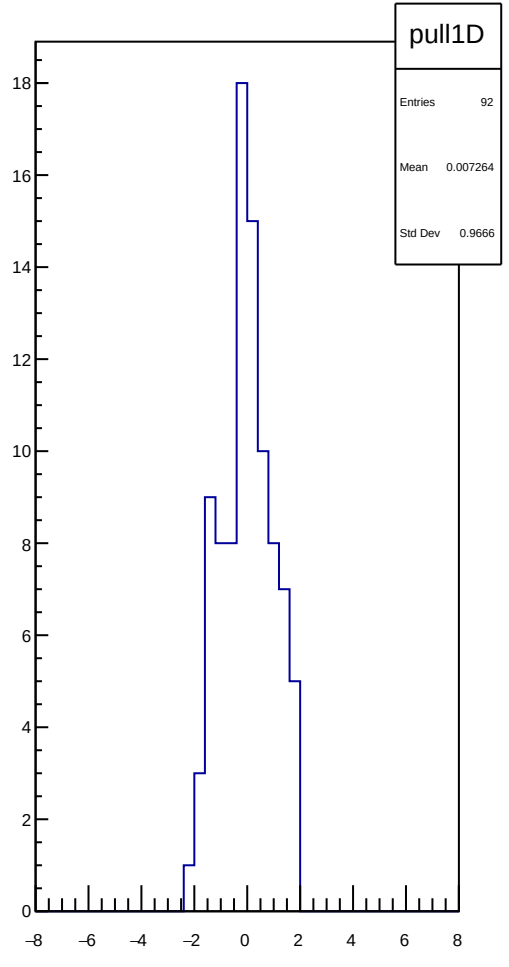

asym_sam2_correction_rms vs run
χ² / ndf 9068 / 91
p0 4677 ± 3.454
6000
5500
5000
4500
4000

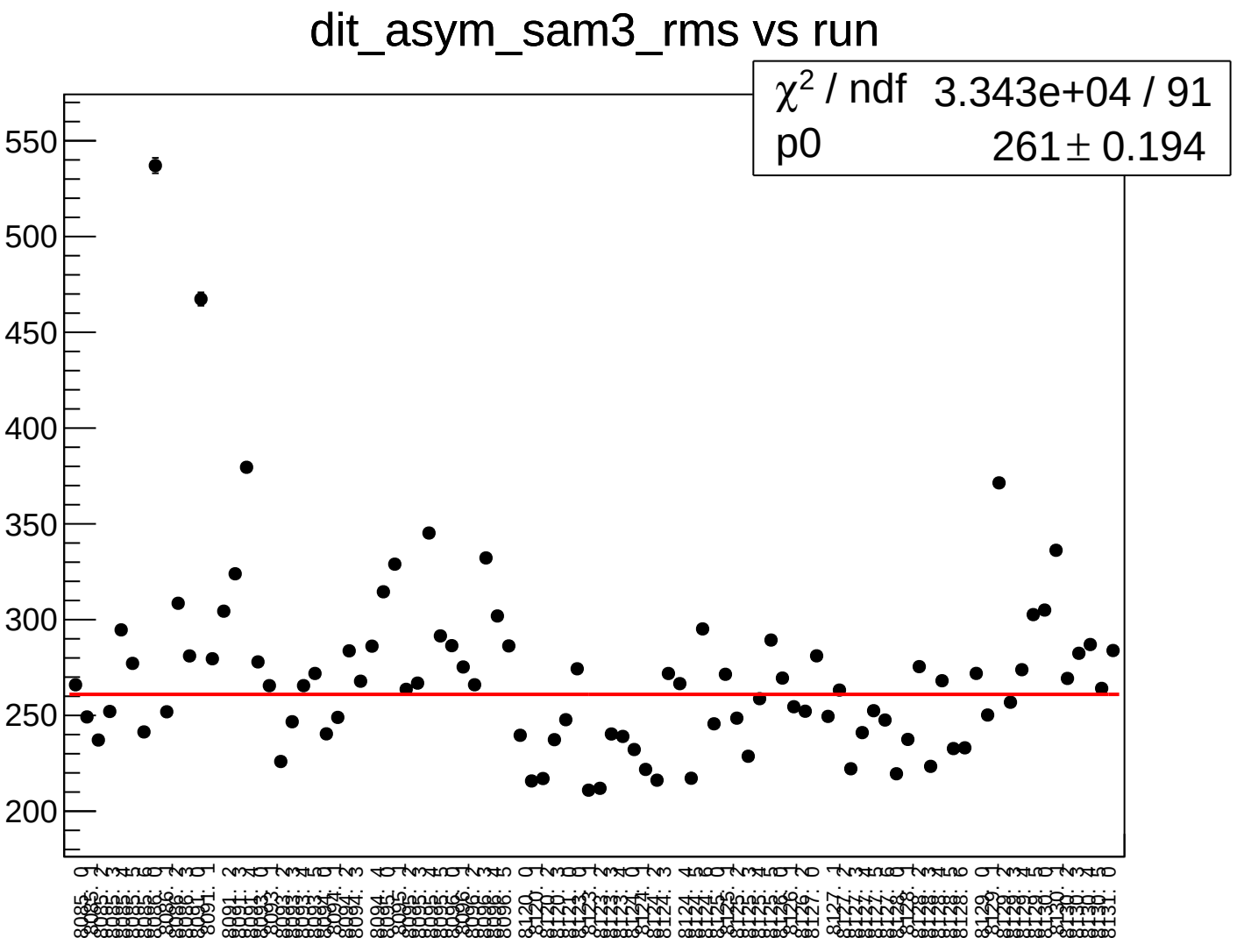

asym_sam2_mean vs run
×10^3
χ^2 / ndf 57.42 / 91
p0 4495 ± 4880
150
100
50
0
−50
−100
pull
Entries 92
Mean 687.3
Std Dev 619.2
1.5
1
0.5
0
−0.5
−1
−1.5

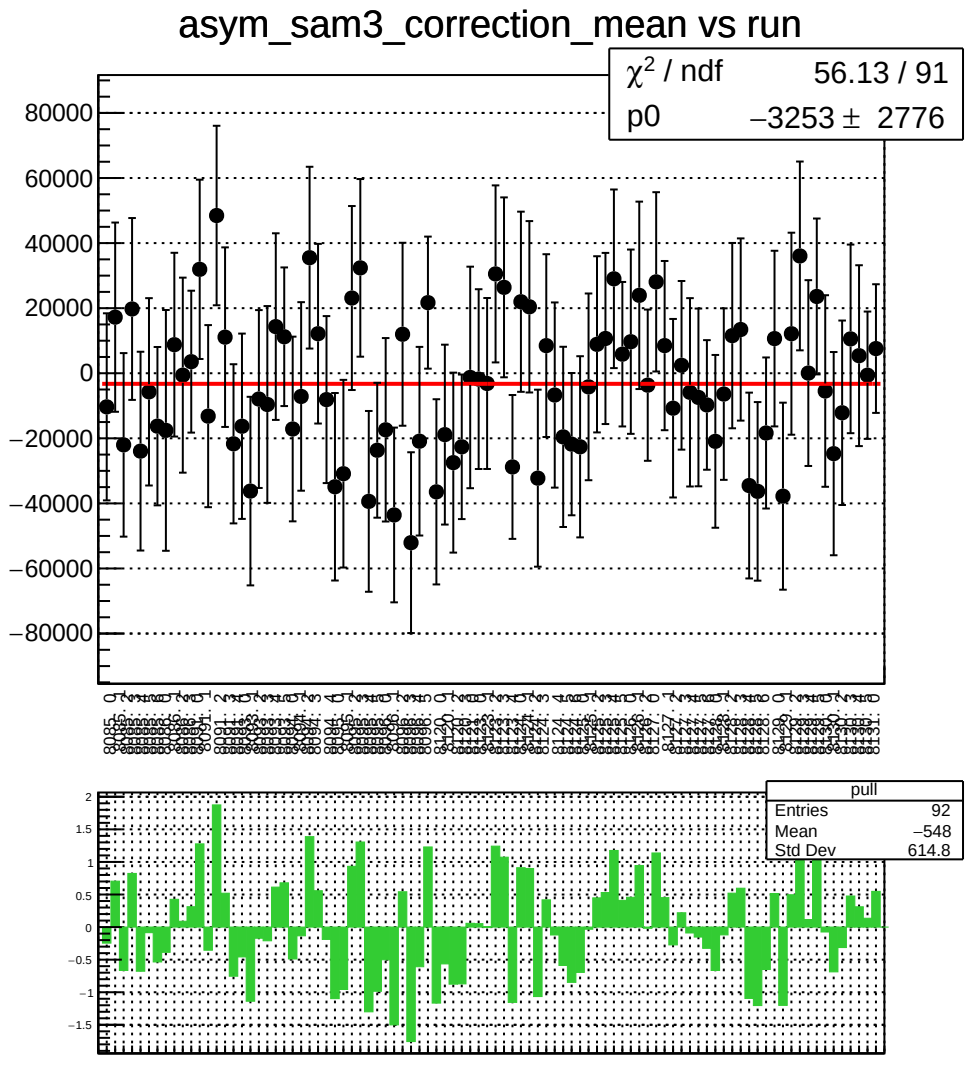

pull1D
Entries 92
Mean −0.001717
Std Dev 0.79
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

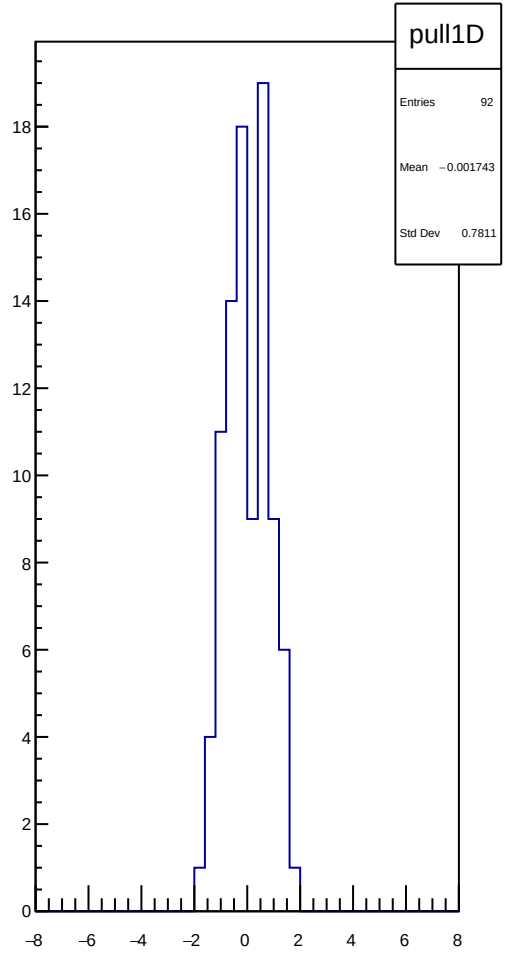

asym_sam2_rms vs run
χ^2 / ndf 9849 / 91
p0 4672 ± 3.451
6000
5500
5000
4500
4000

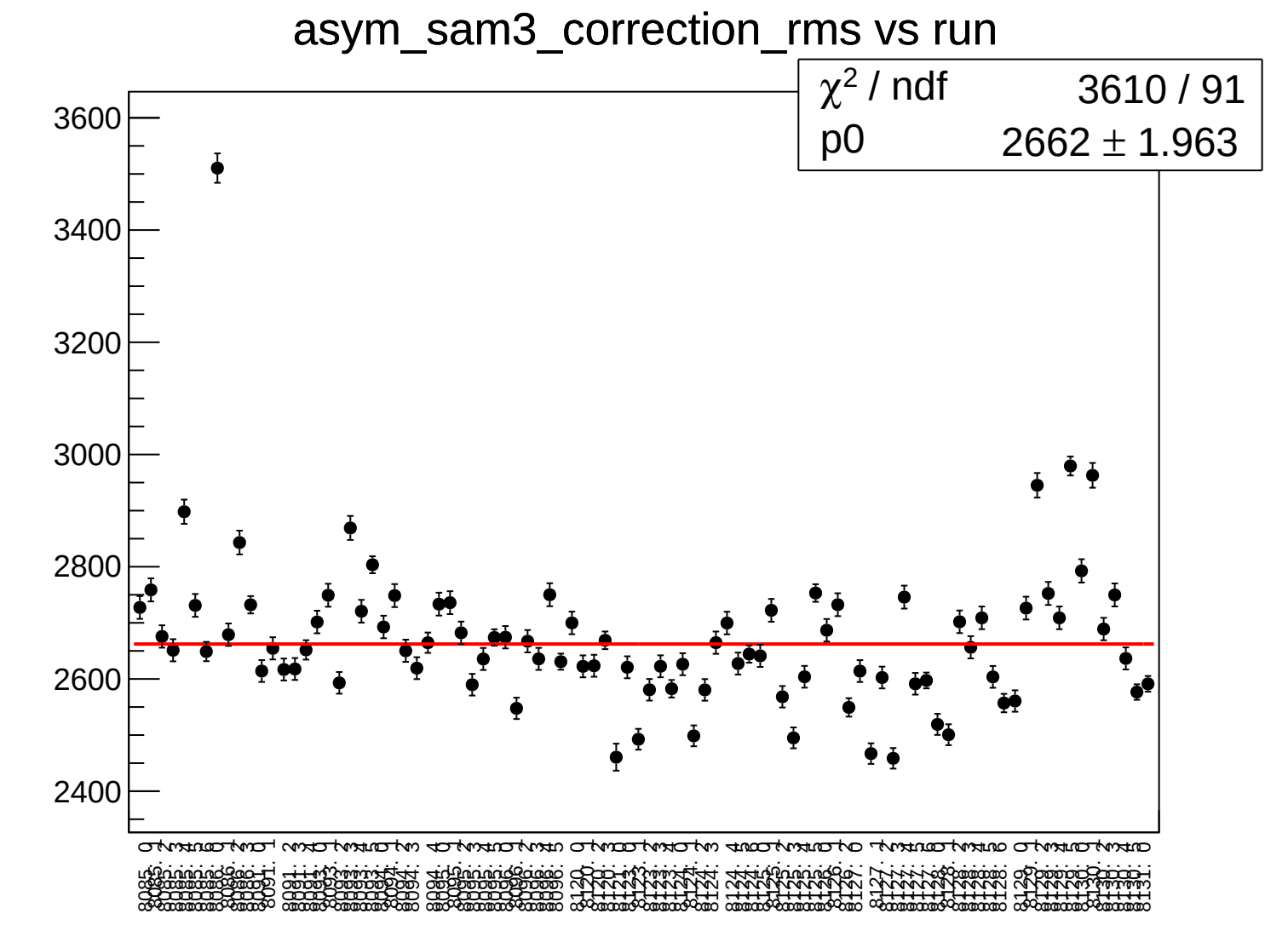

dit_asym_sam3_mean vs run
χ² / ndf 85.97 / 91
p0 −435.3 ± 274.4
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −323
Std Dev 389.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

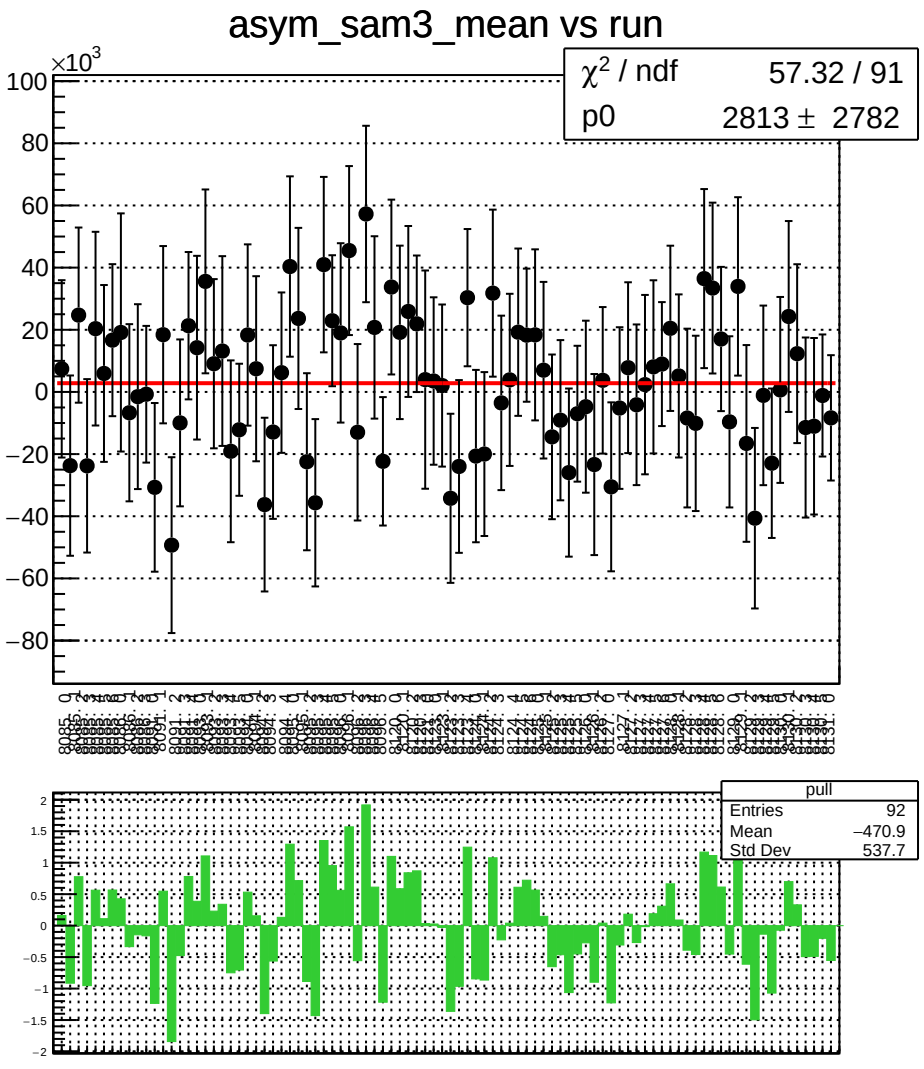

pull1D
Entries 92
Mean 0.007264
Std Dev 0.9666
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

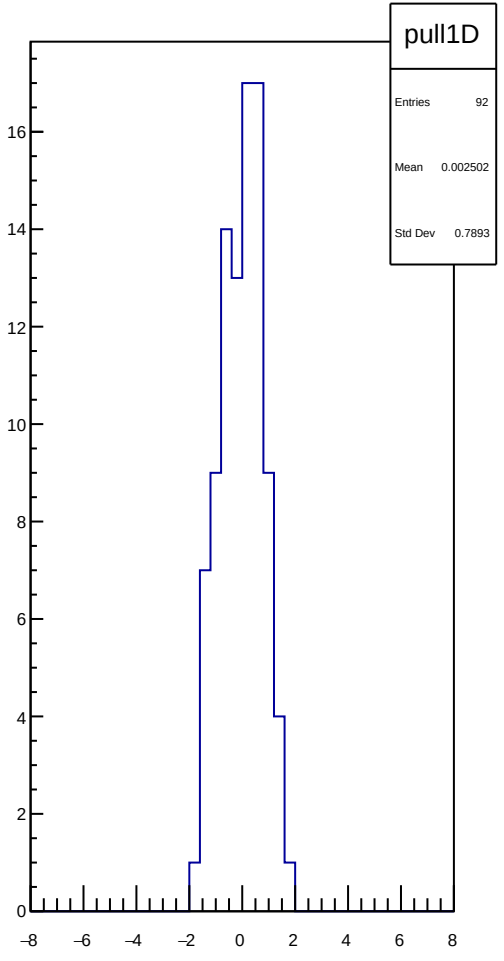

dit_asym_sam3_rms vs run
χ² / ndf 3.343e+04 / 91
p0 261 ± 0.194
550
500
450
400
350
300
250
200

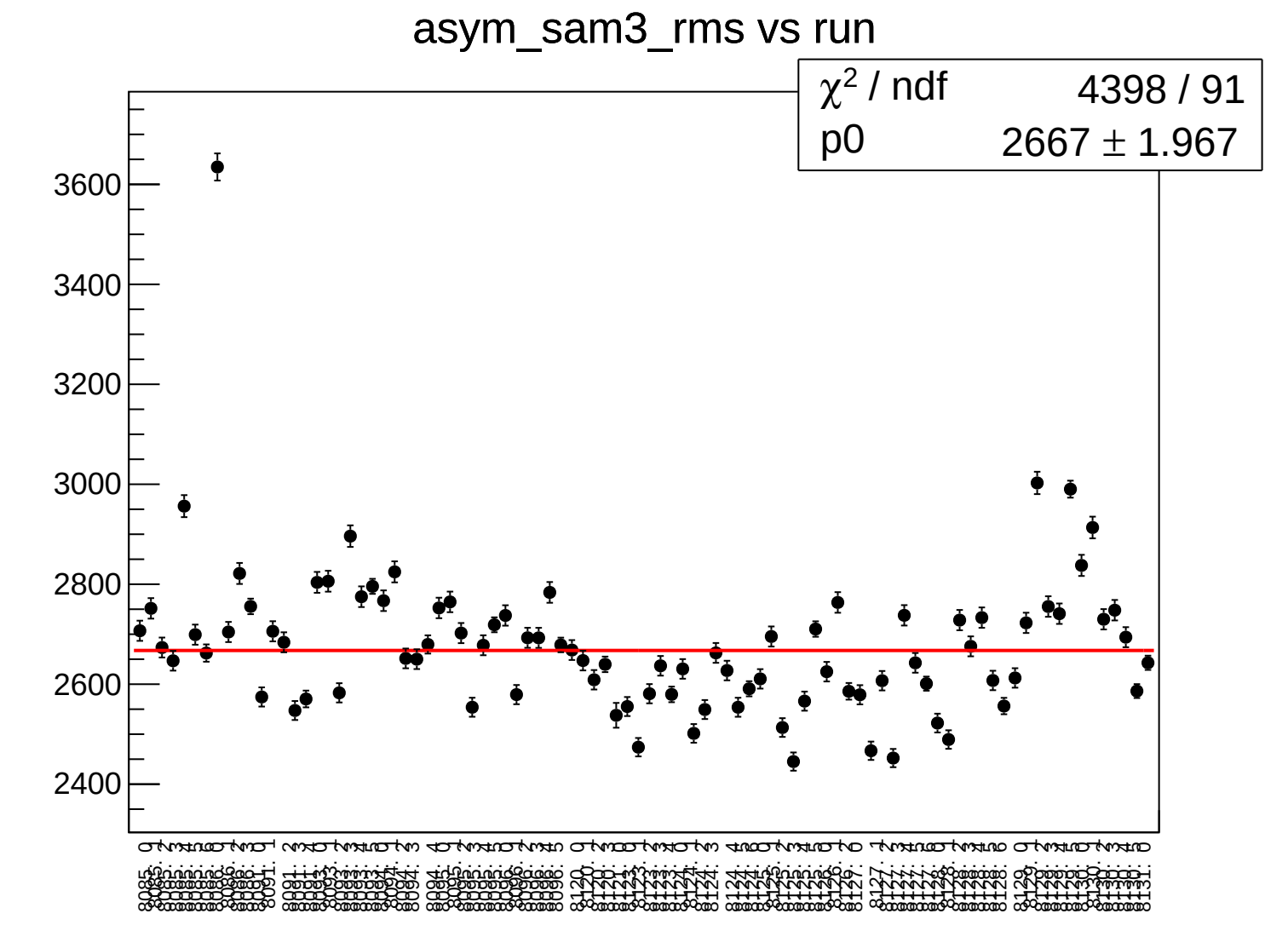

asym_sam3_correction_mean vs run
χ² / ndf 56.13 / 91
p0 −3253 ± 2776
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −548
Std Dev 614.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

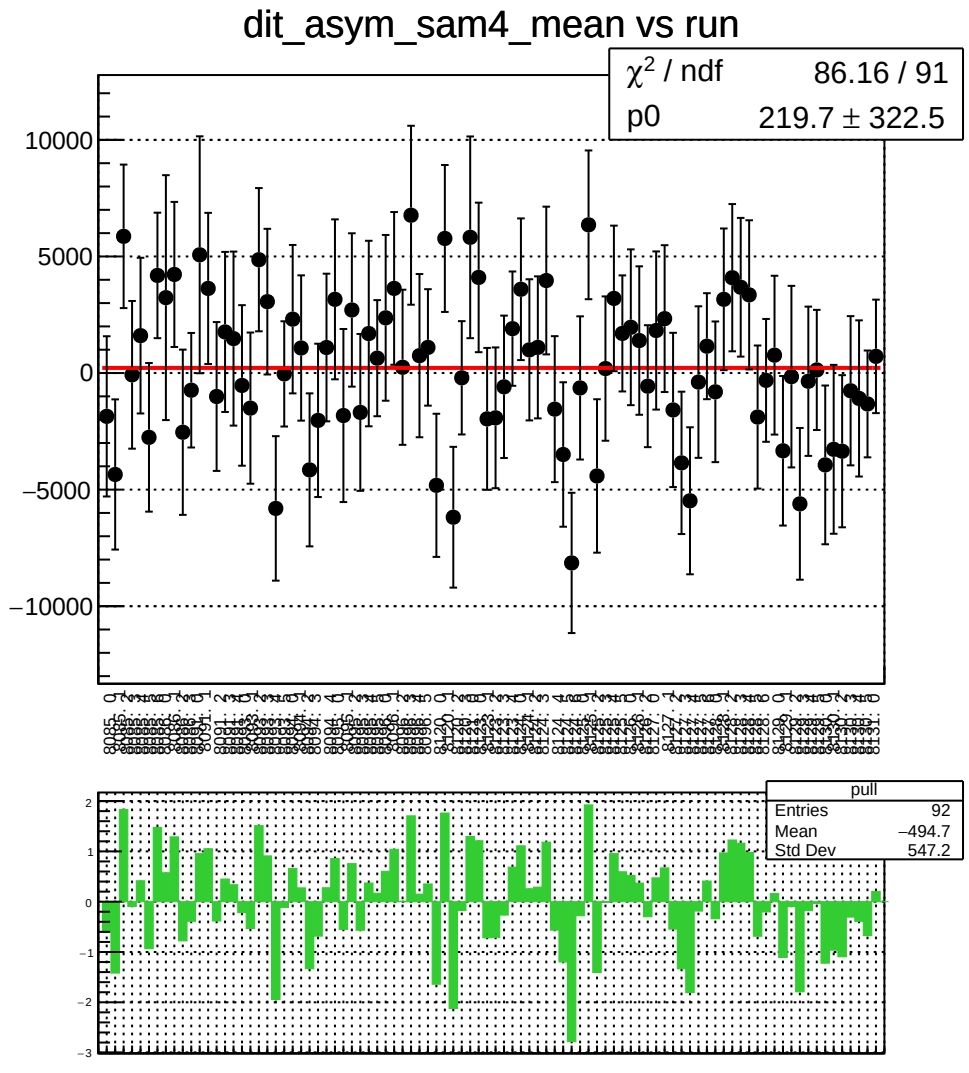

pull1D
Entries 92
Mean −0.001743
Std Dev 0.7811
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

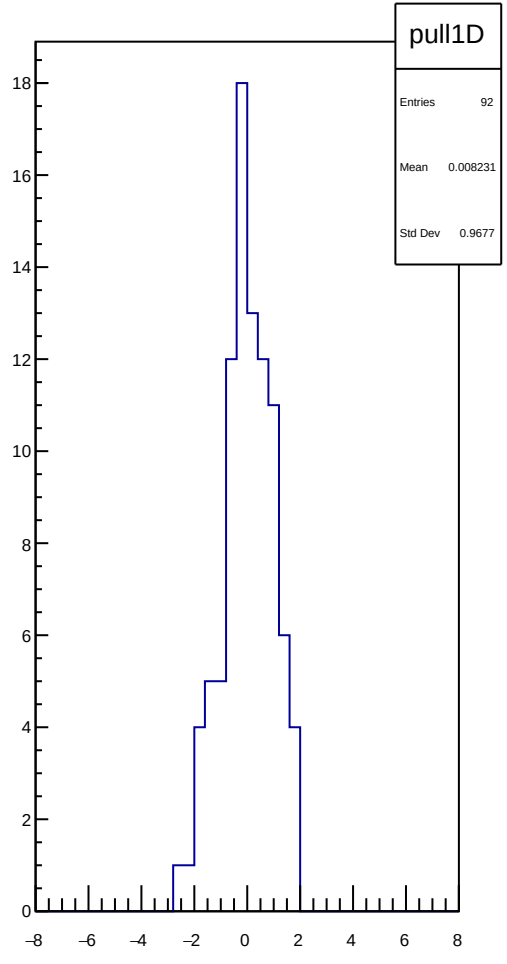

asym_sam3_correction_rms vs run
χ² / ndf 3610 / 91
p0 2662 ± 1.963
3600
3400
3200
3000
2800
2600
2400

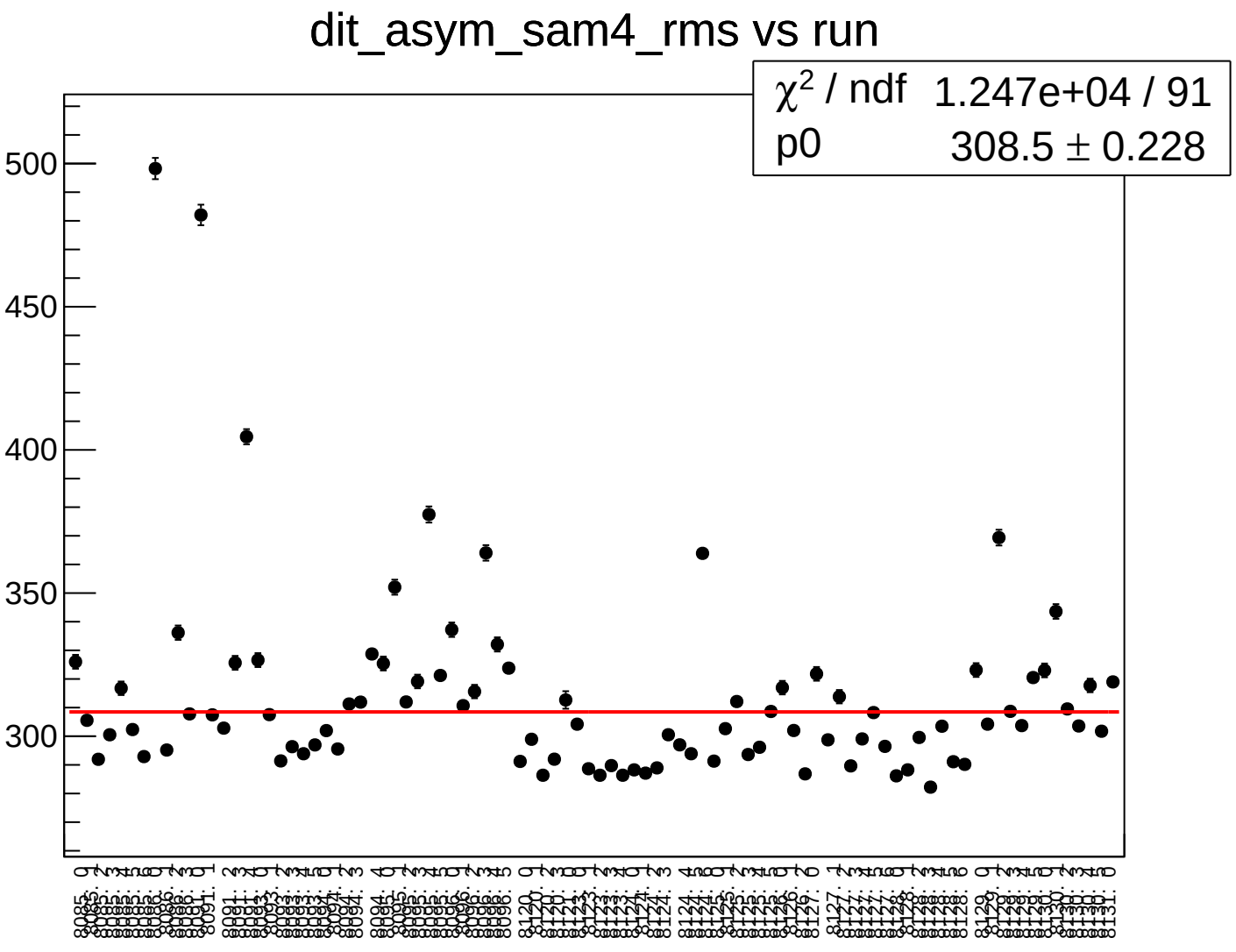

asym_sam3_mean vs run
χ^2 / ndf 57.32 / 91
p0 2813 ± 2782
×10^3
pull
Entries 92
Mean −470.9
Std Dev 537.7

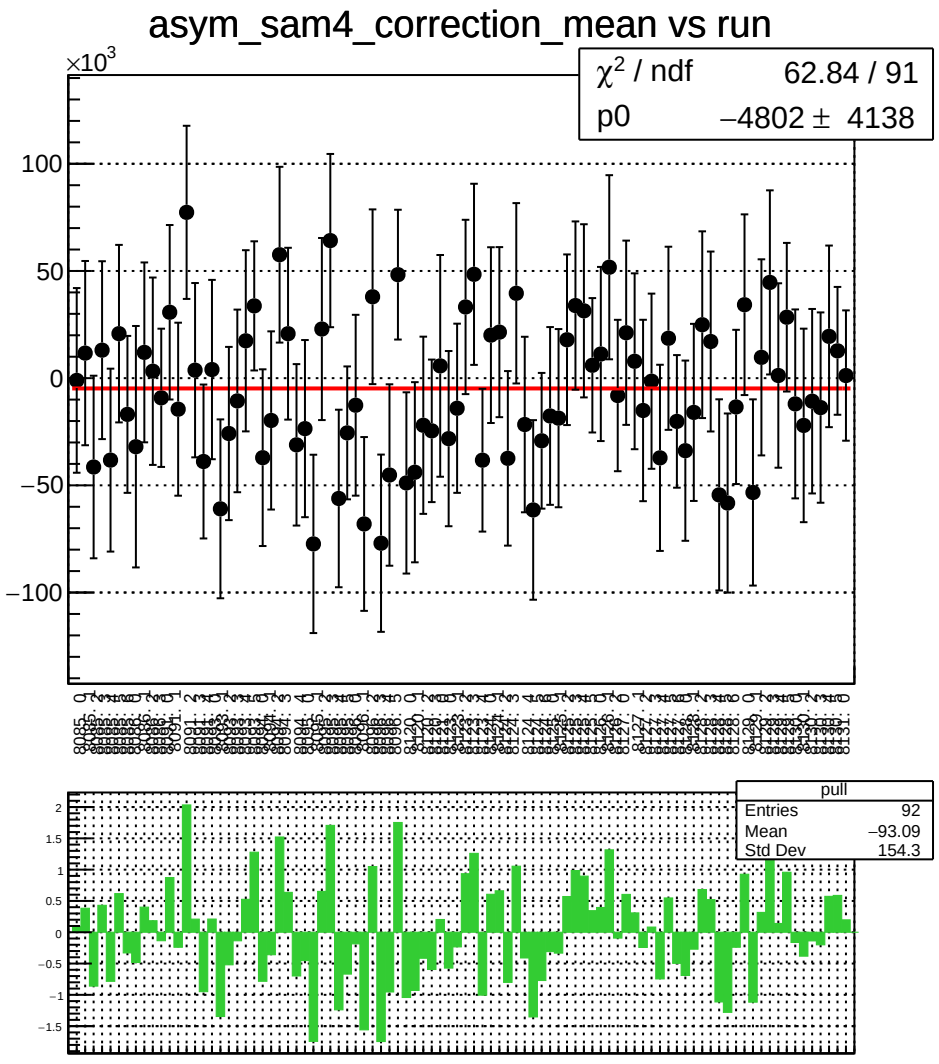

pull1D
Entries 92
Mean 0.002502
Std Dev 0.7893

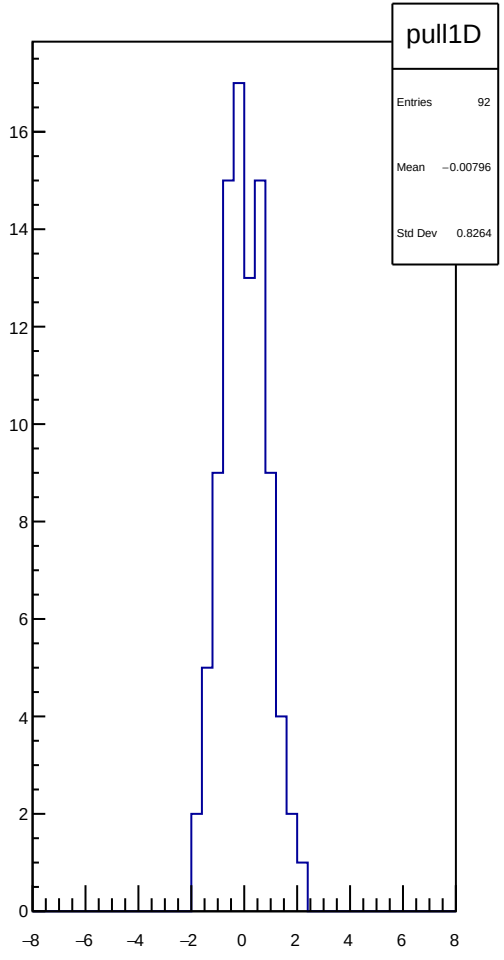

asym_sam3_rms vs run
χ² / ndf 4398 / 91
p0 2667 ± 1.967
3600
3400
3200
3000
2800
2600
2400

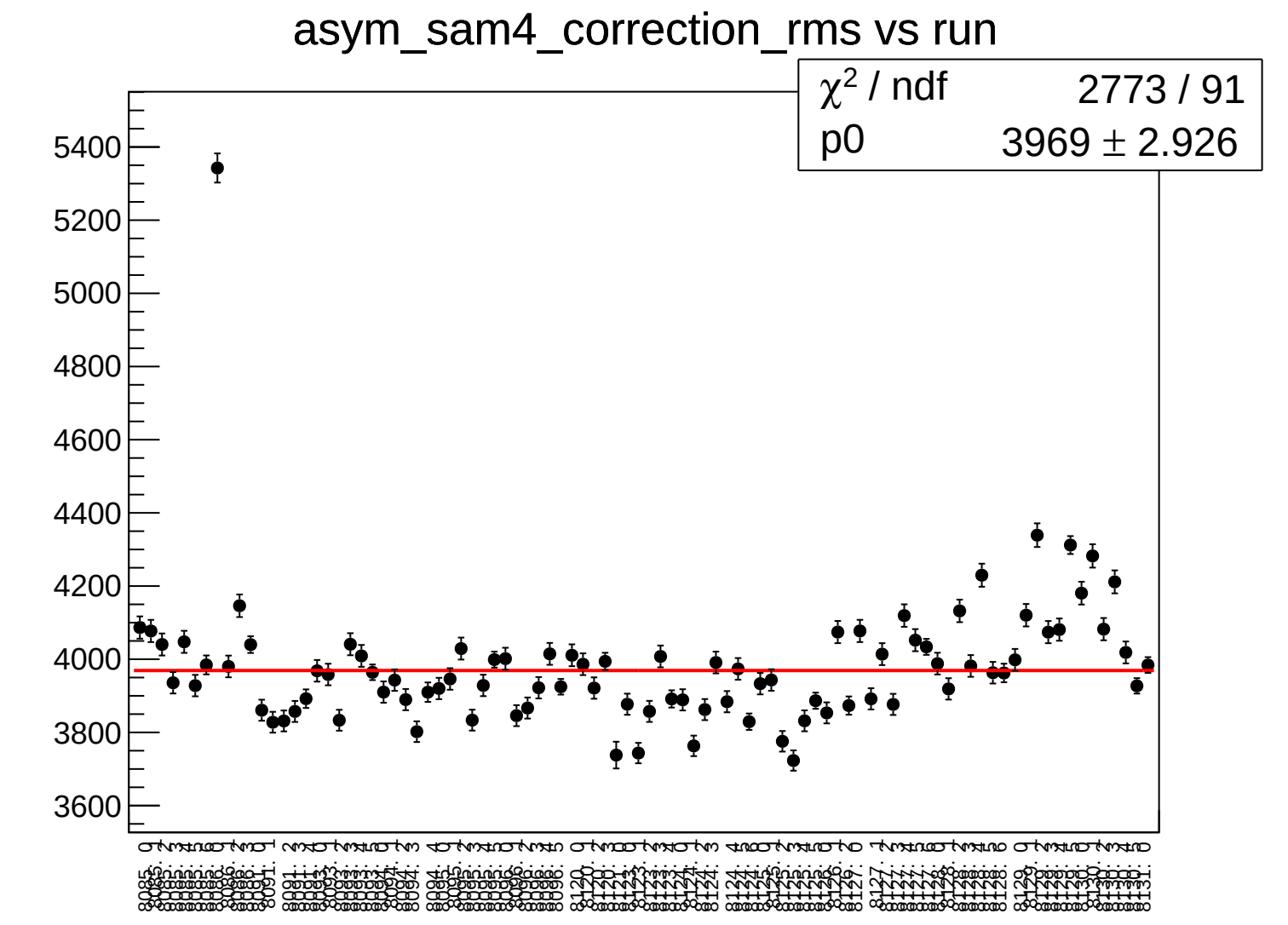

dit_asym_sam4_mean vs run
χ² / ndf 86.16 / 91
p0 219.7 ± 322.5
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −494.7
Std Dev 547.2
2
1
0
−1
−2
−3

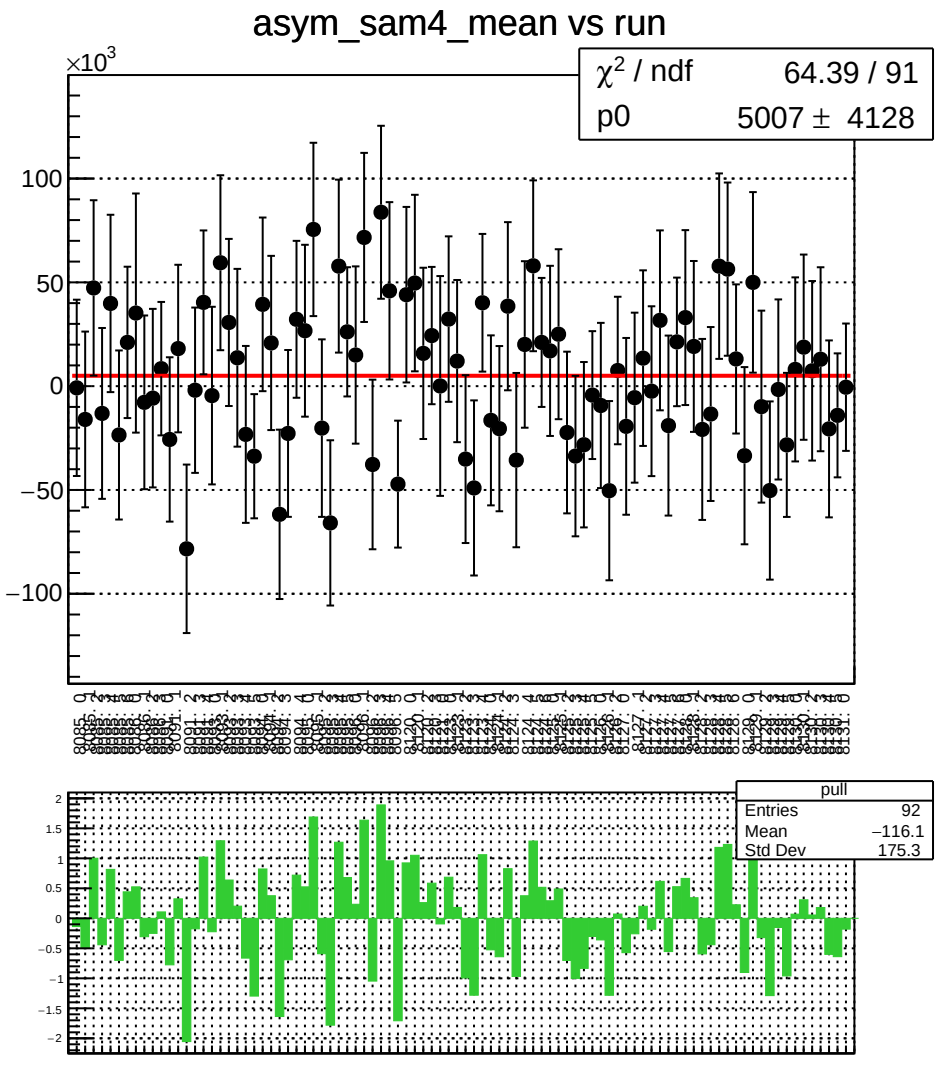

pull1D
Entries 92
Mean 0.008231
Std Dev 0.9677
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

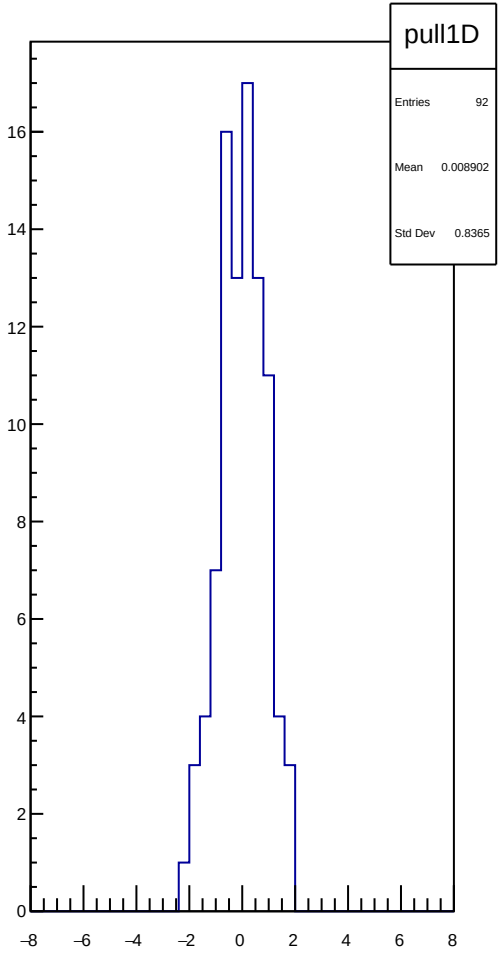

dit_asym_sam4_rms vs run
χ^2 / ndf 1.247e+04 / 91
p0 308.5 ± 0.228
500
450
400
350
300

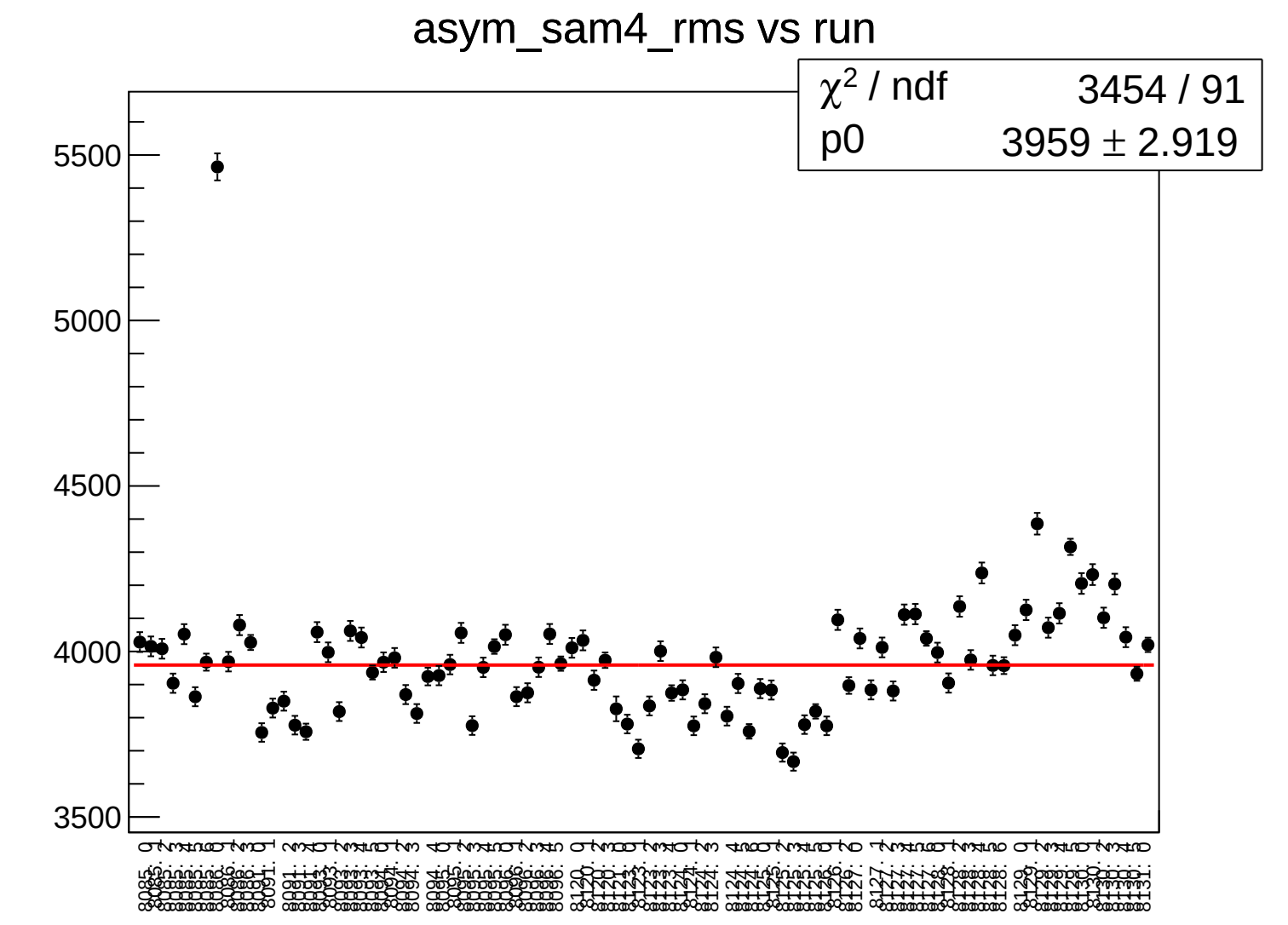

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 62.84 / 91
p0 −4802 ± 4138
100
50
0
−50
−100
pull
Entries 92
Mean −93.09
Std Dev 154.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

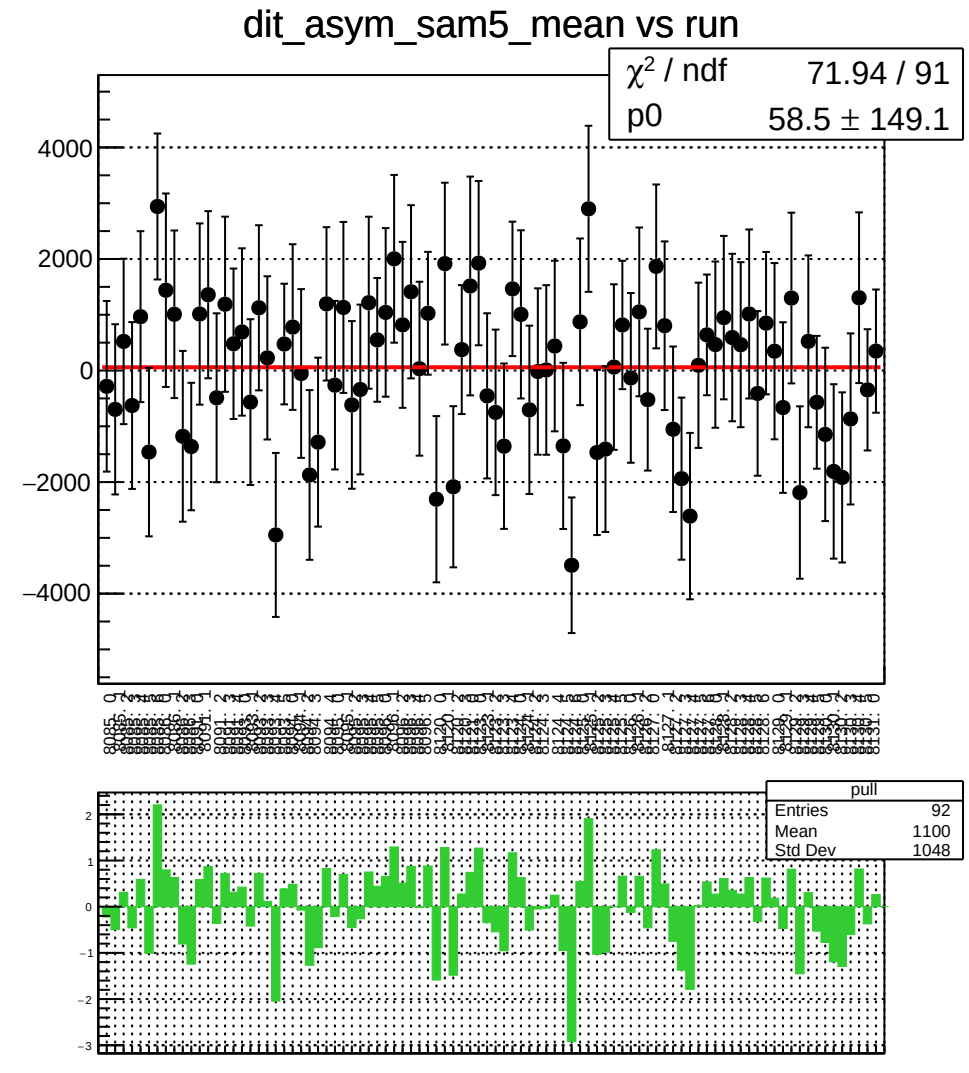

pull1D
Entries 92
Mean −0.00796
Std Dev 0.8264
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

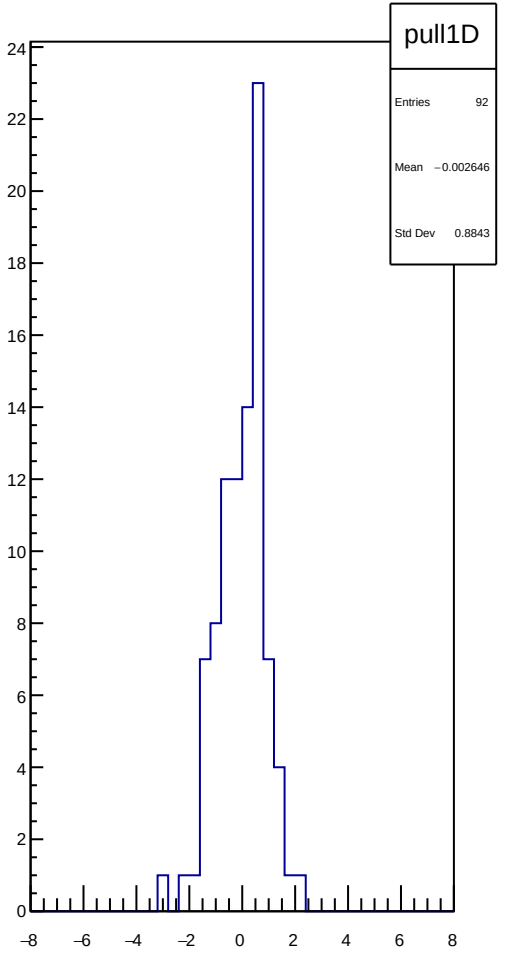

asym_sam4_correction_rms vs run
χ^2 / ndf 2773 / 91
p0 3969 ± 2.926
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

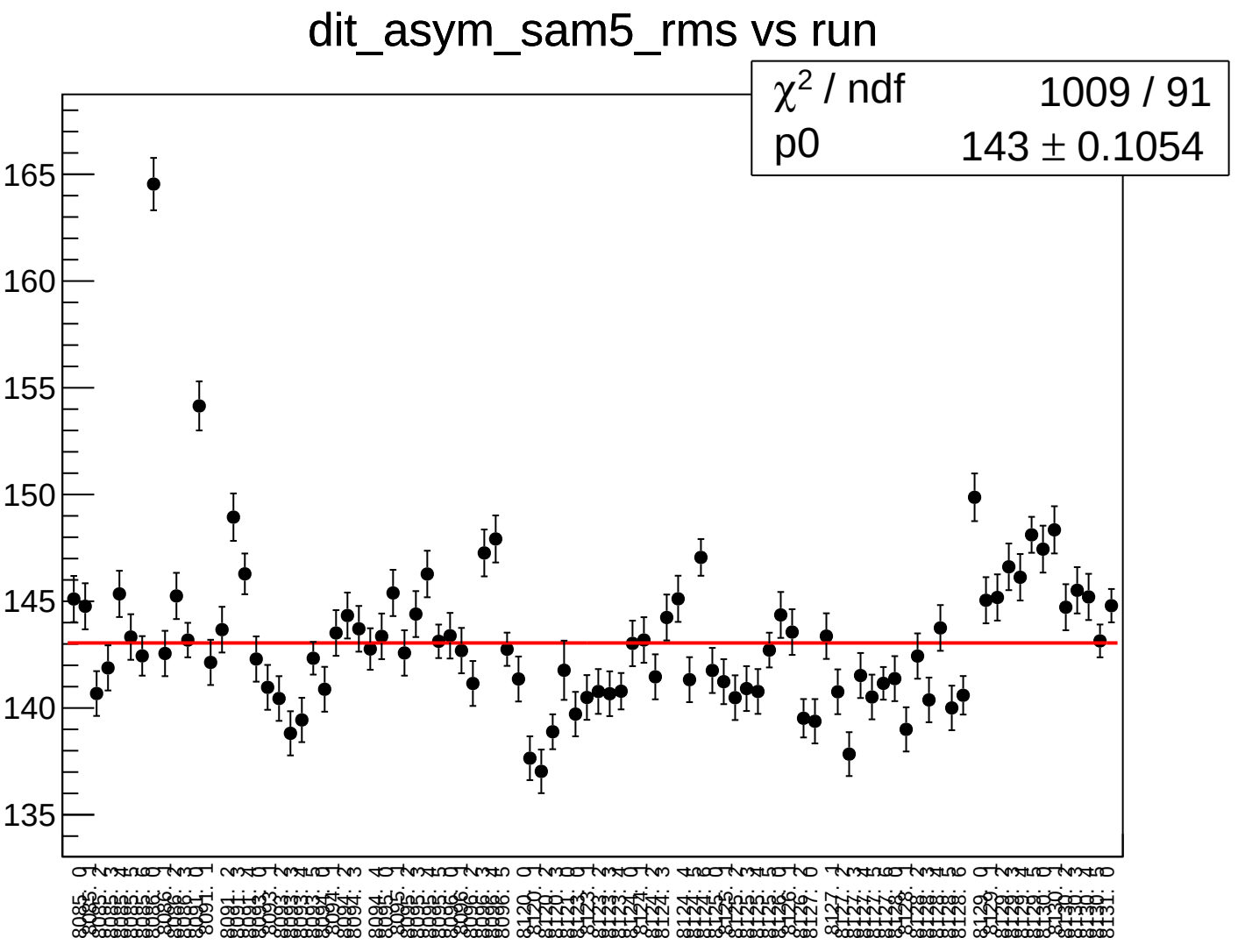

asym_sam4_mean vs run
×10^3
χ^2 / ndf 64.39 / 91
p0 5007 ± 4128
100
50
0
−50
−100
pull
Entries 92
Mean −116.1
Std Dev 175.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

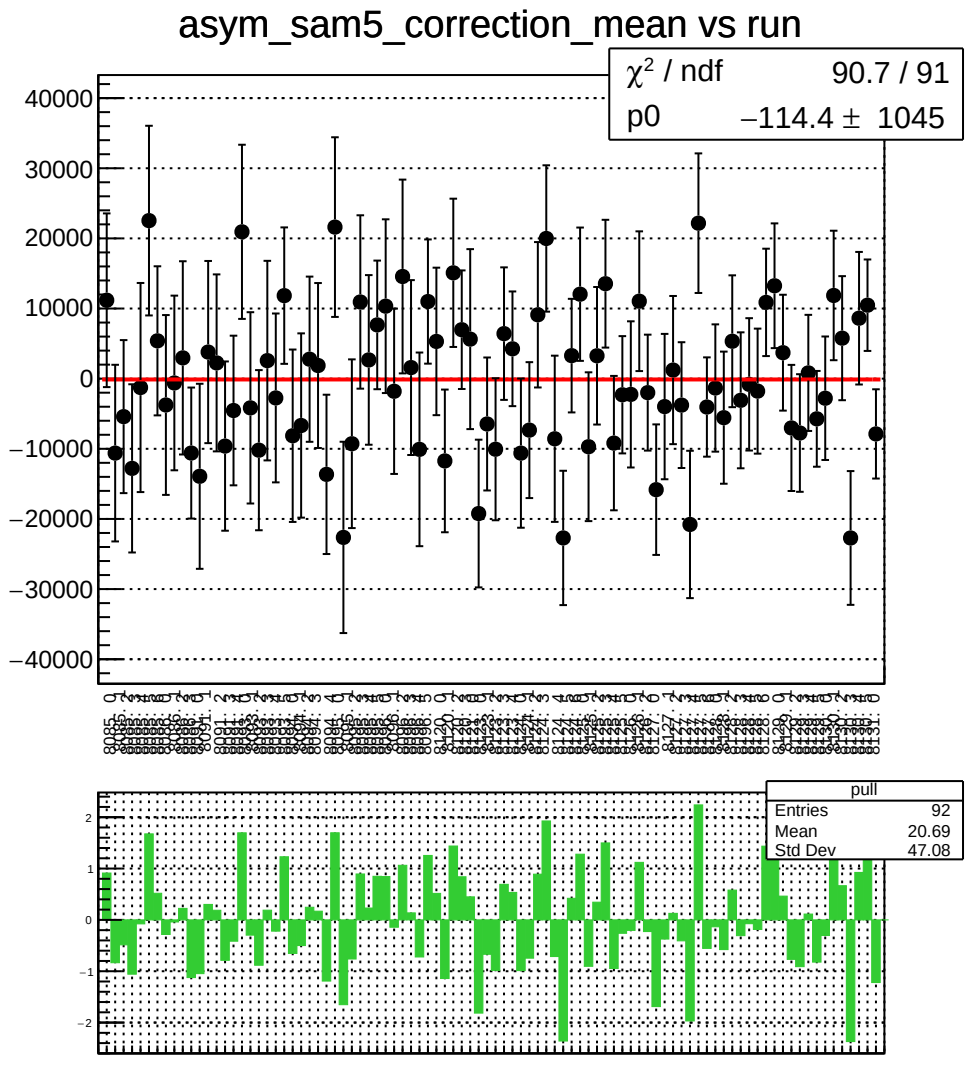

pull1D
Entries 92
Mean 0.008902
Std Dev 0.8365
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

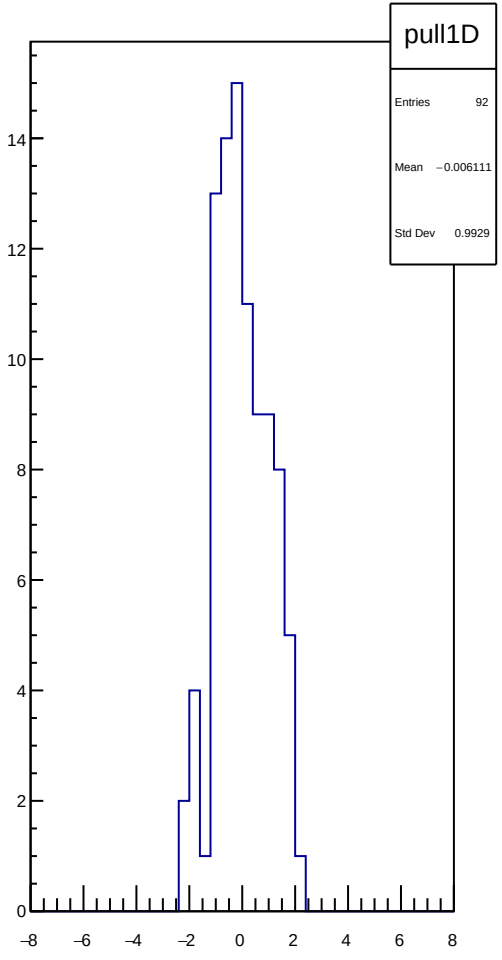

asym_sam4_rms vs run
χ^2 / ndf 3454 / 91
p0 3959 ± 2.919
5500
5000
4500
4000
3500

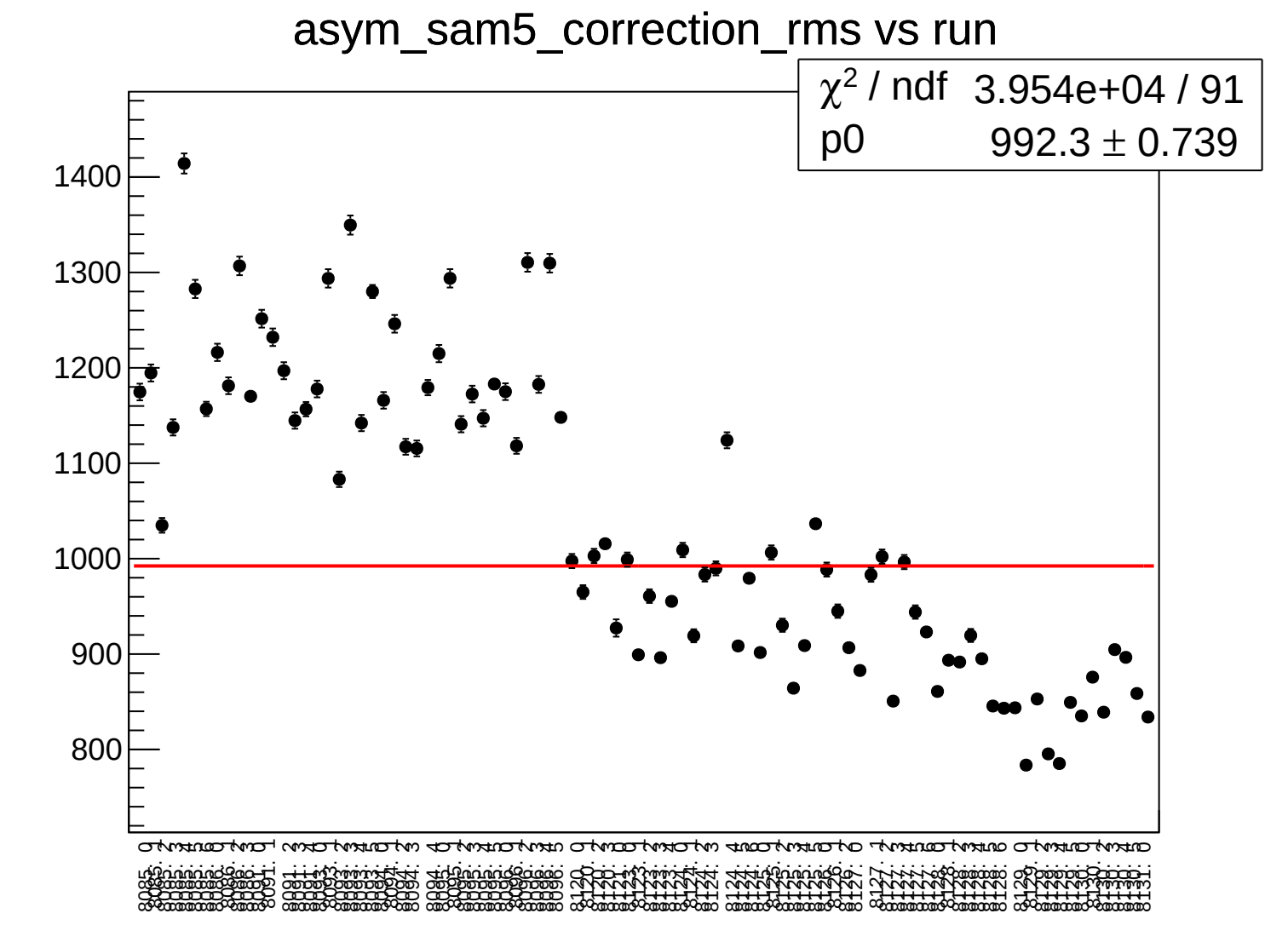

dit_asym_sam5_mean vs run
χ² / ndf 71.94 / 91
p0 58.5 ± 149.1
4000
2000
0
−2000
−4000
pull
Entries 92
Mean 1100
Std Dev 1048
2
1
0
−1
−2
−3

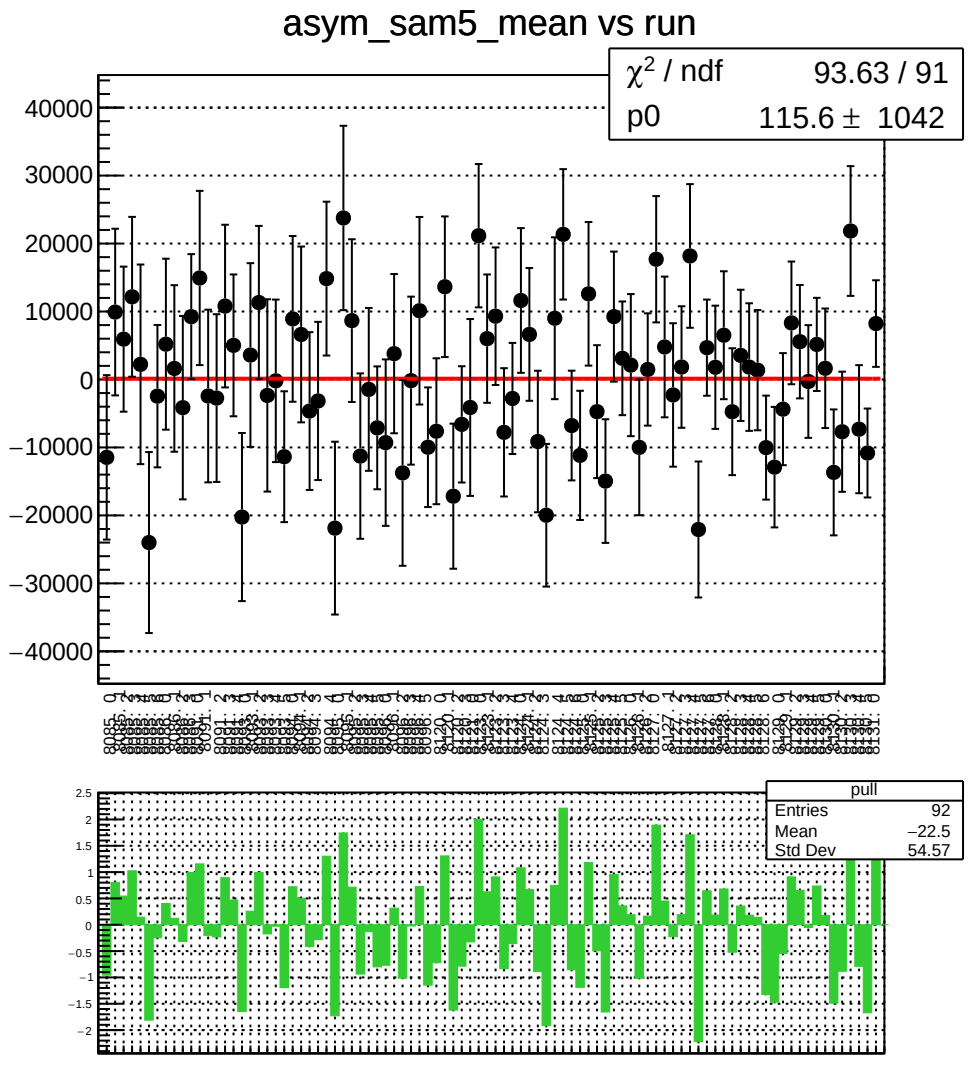

pull1D
Entries 92
Mean −0.002646
Std Dev 0.8843
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

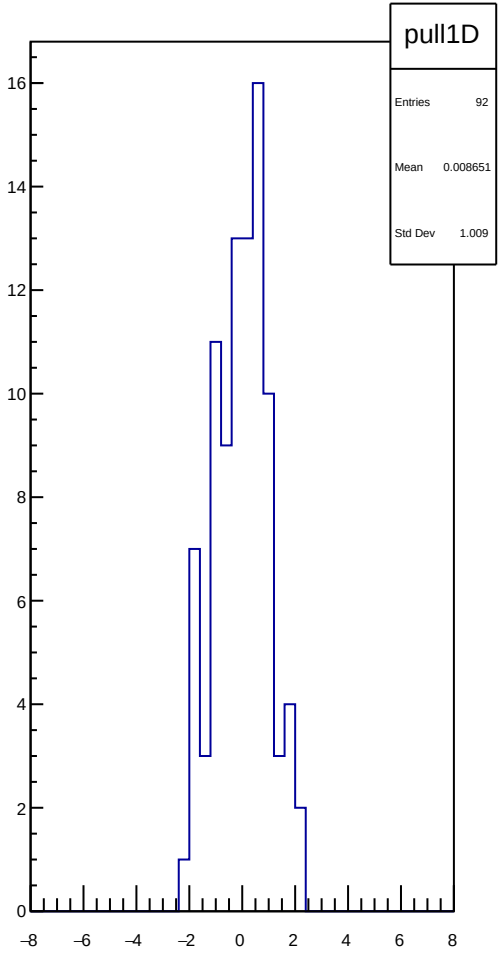

dit_asym_sam5_rms vs run
χ² / ndf 1009 / 91
p0 143 ± 0.1054
165
160
155
150
145
140
135

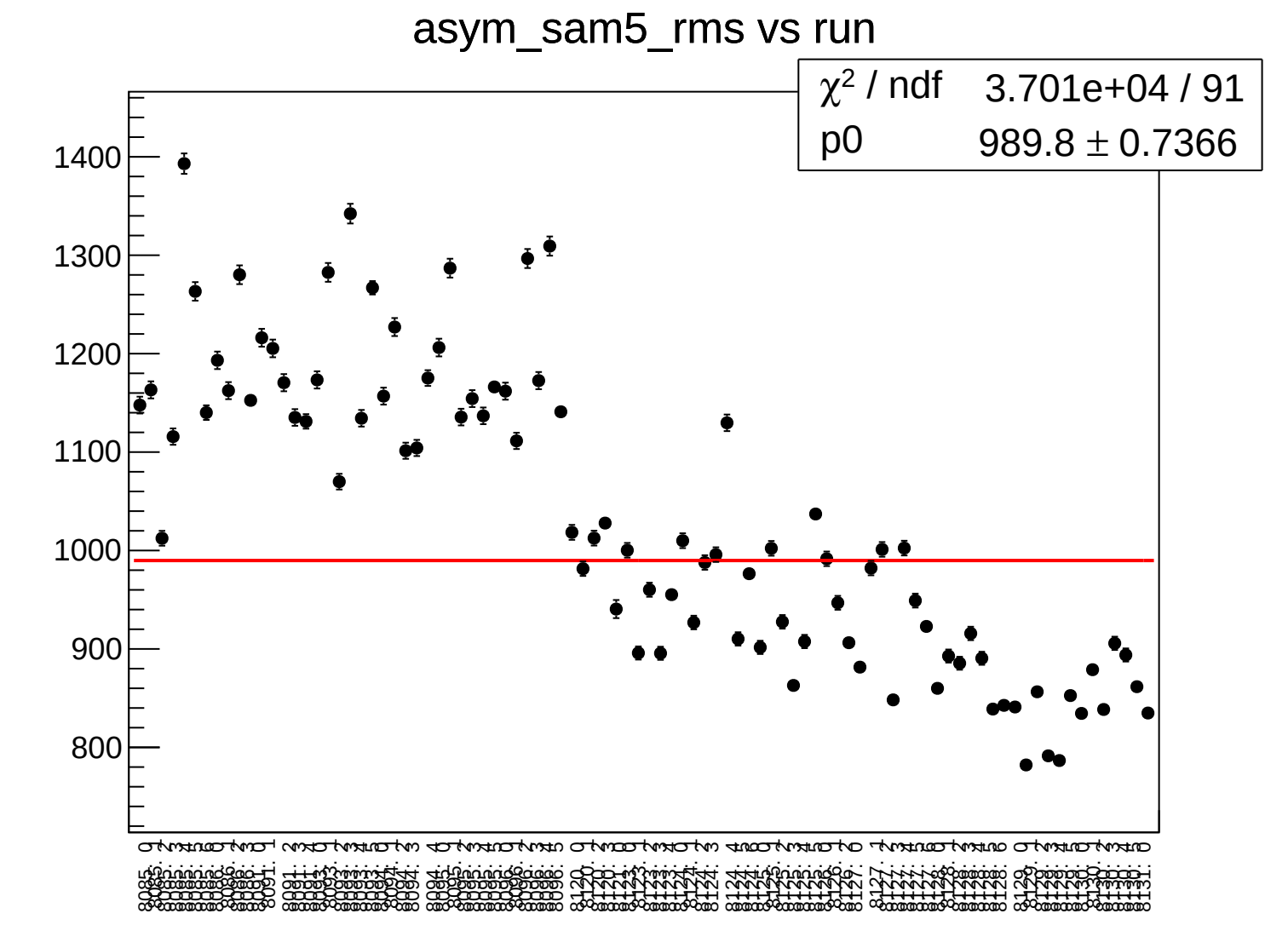

asym_sam5_correction_mean vs run
χ² / ndf 90.7 / 91
p0 −114.4 ± 1045
pull
Entries 92
Mean 20.69
Std Dev 47.08

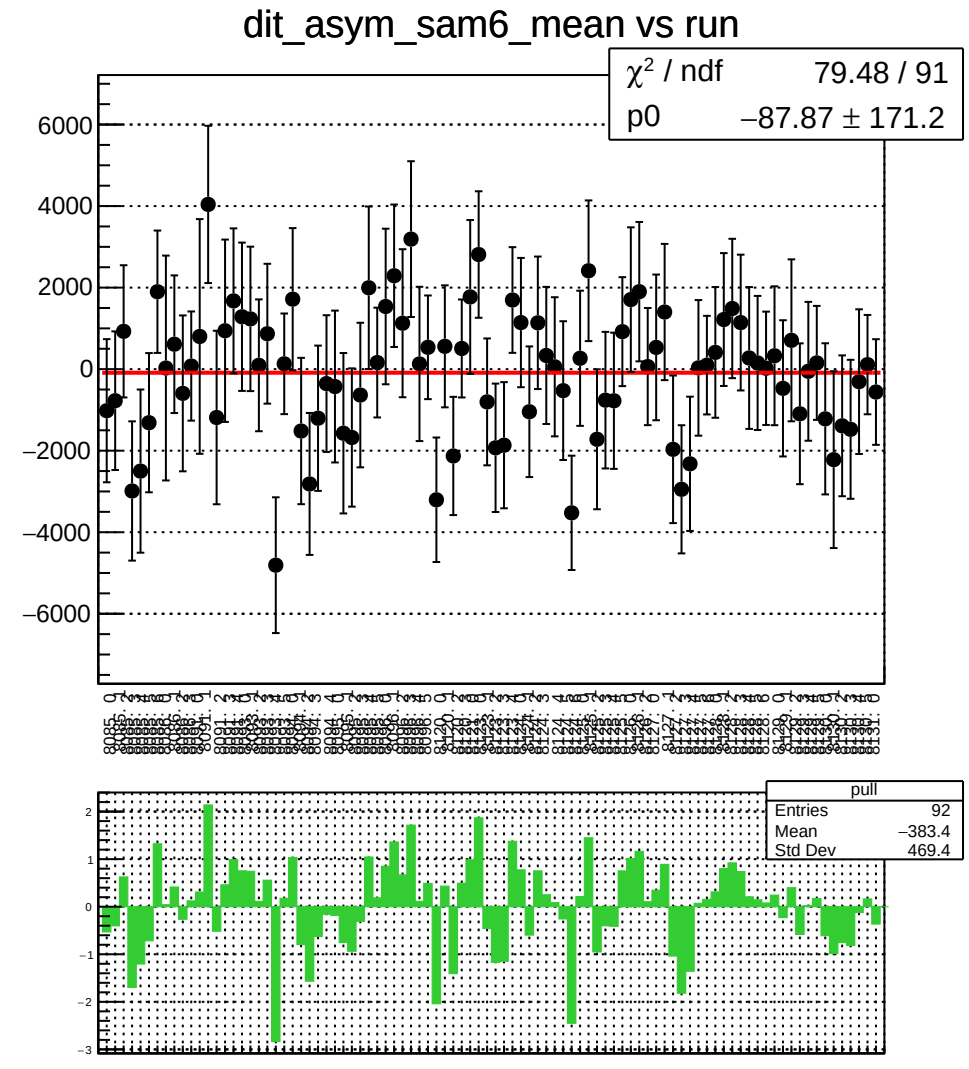

pull1D
Entries 92
Mean −0.006111
Std Dev 0.9929

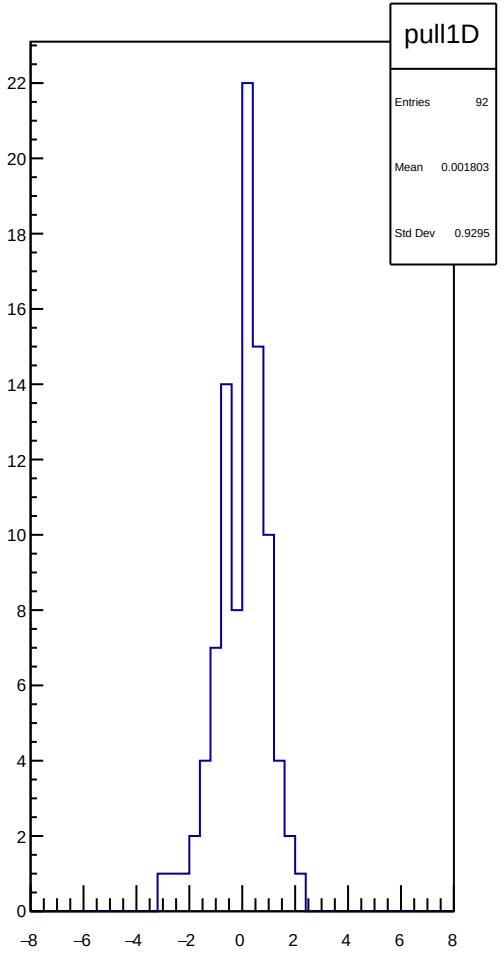

asym_sam5_correction_rms vs run
χ² / ndf 3.954e+04 / 91
p0 992.3 ± 0.739
1400
1300
1200
1100
1000
900
800

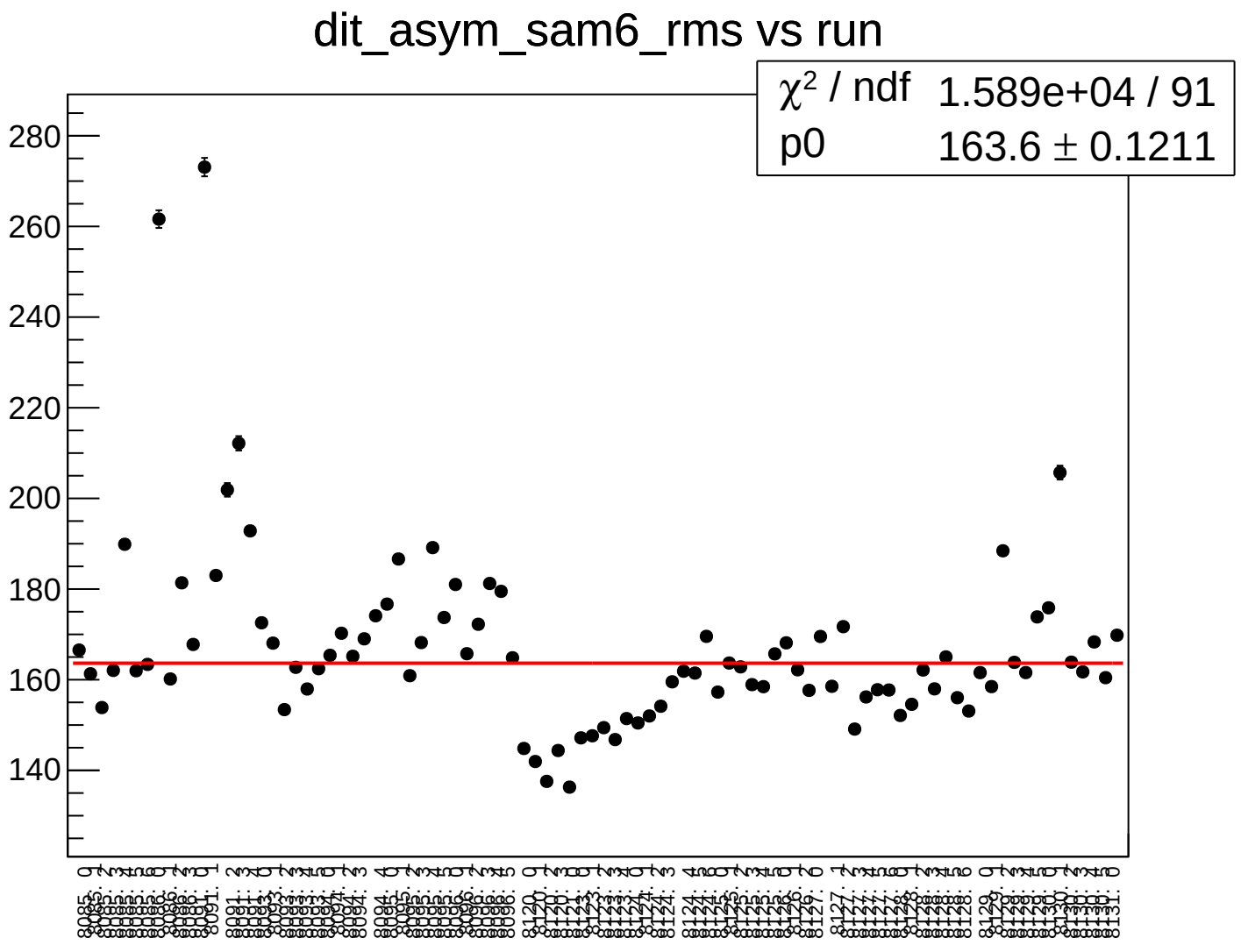

asym_sam5_mean vs run
χ² / ndf 93.63 / 91
p0 115.6 ± 1042
pull
Entries 92
Mean −22.5
Std Dev 54.57

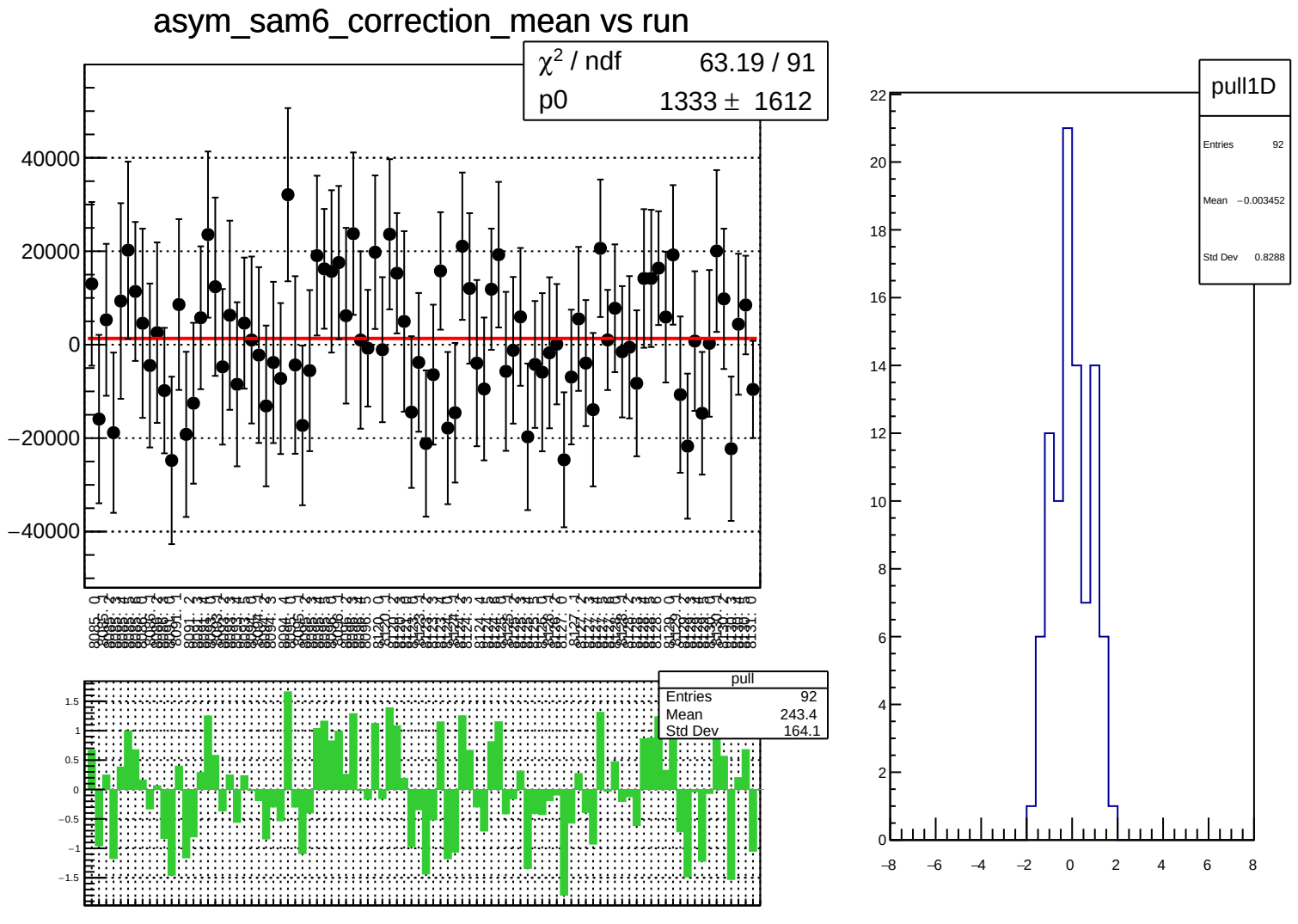

pull1D
Entries 92
Mean 0.008651
Std Dev 1.009

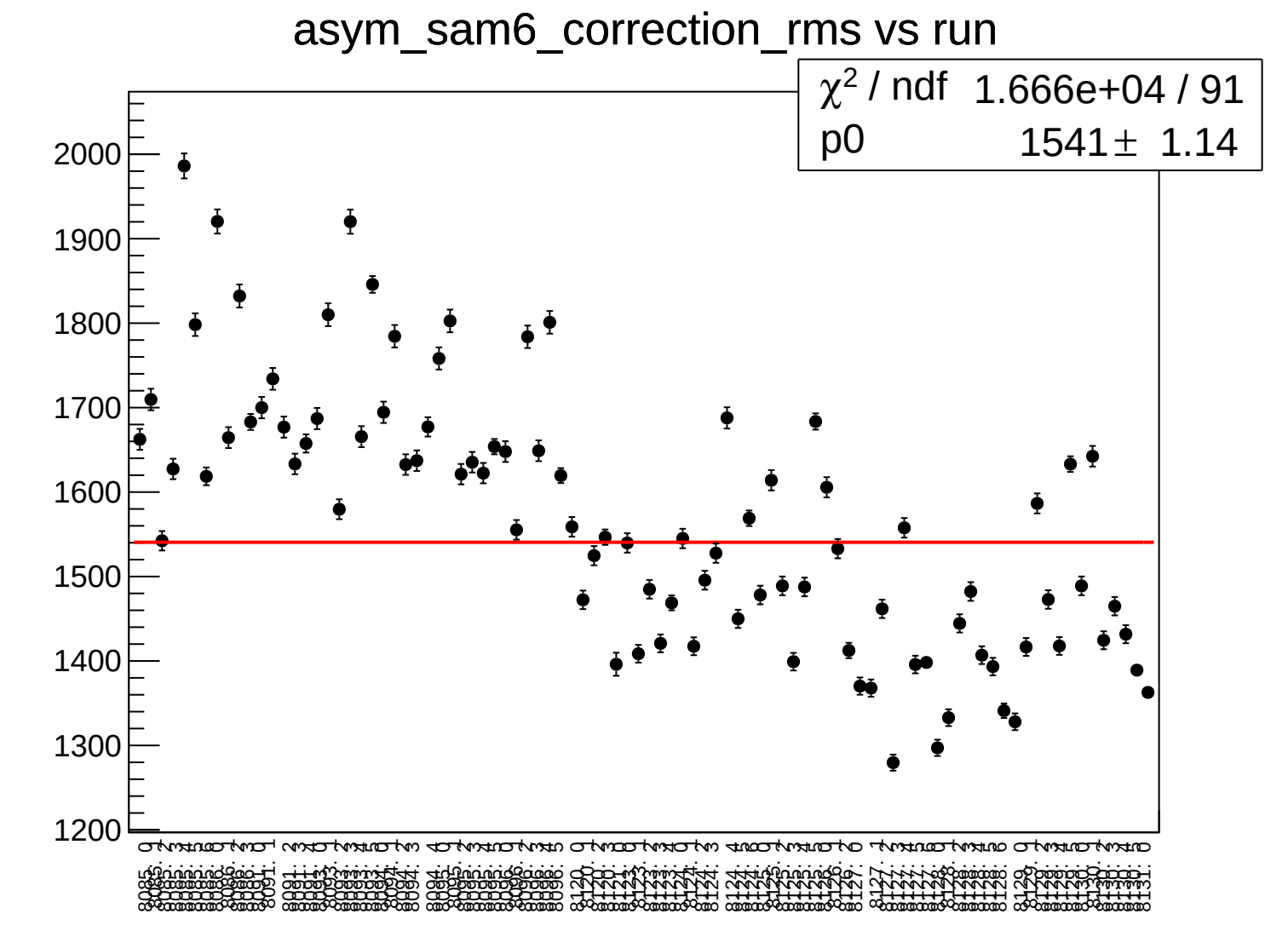

asym_sam5_rms vs run
χ² / ndf 3.701e+04 / 91
p0 989.8 ± 0.7366
1400
1300
1200
1100
1000
900
800

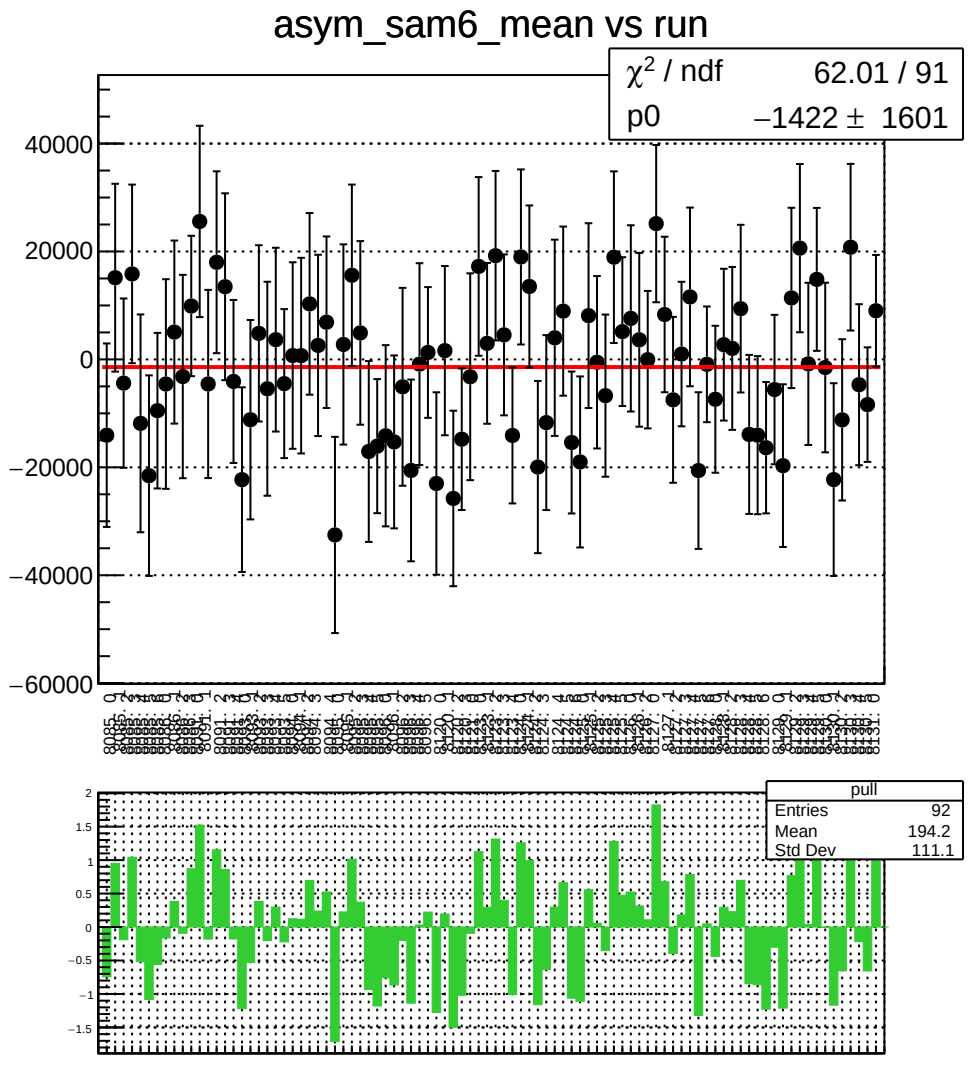

dit_asym_sam6_mean vs run
χ² / ndf 79.48 / 91
p0 −87.87 ± 171.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −383.4
Std Dev 469.4
2
1
0
−1
−2
−3

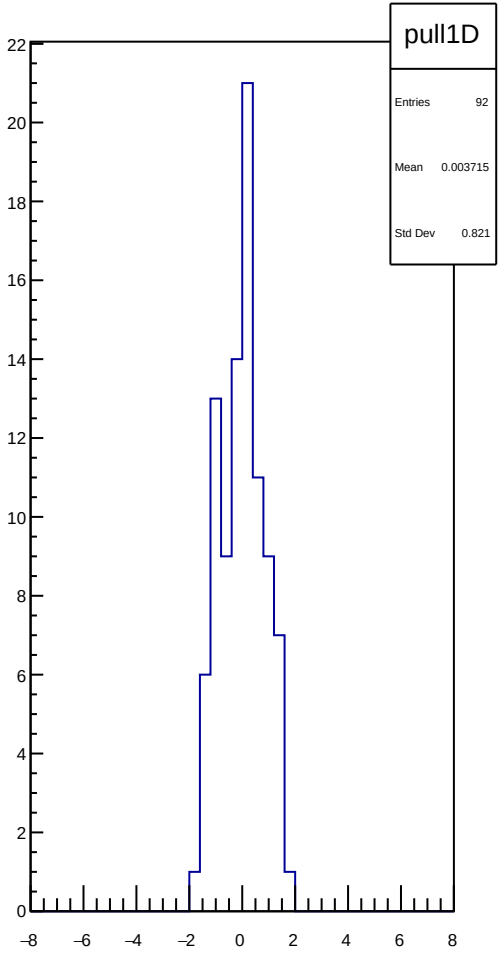

pull1D
Entries 92
Mean 0.001803
Std Dev 0.9295
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

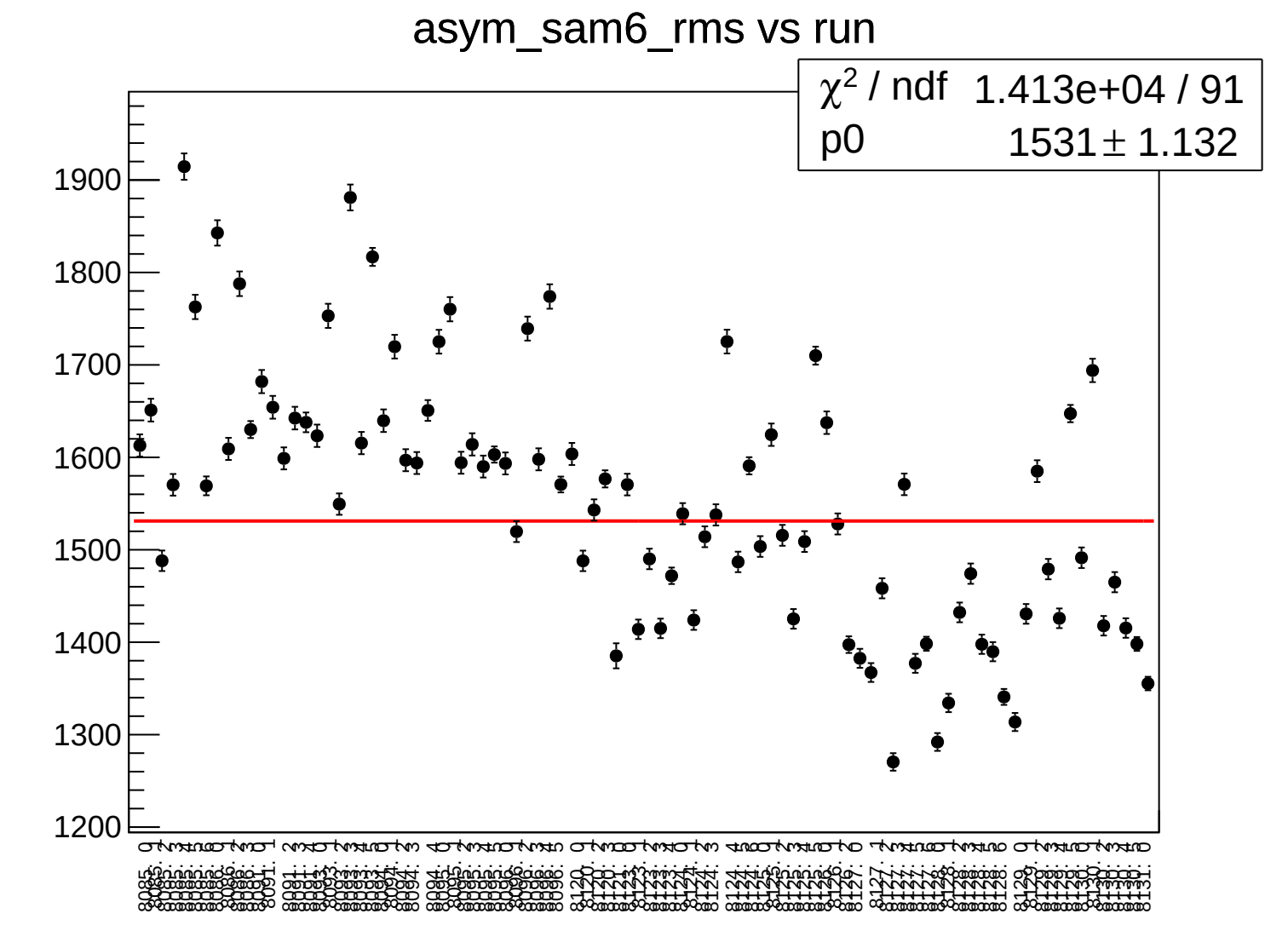

dit_asym_sam6_rms vs run
χ² / ndf 1.589e+04 / 91
p0 163.6 ± 0.1211
280
260
240
220
200
180
160
140

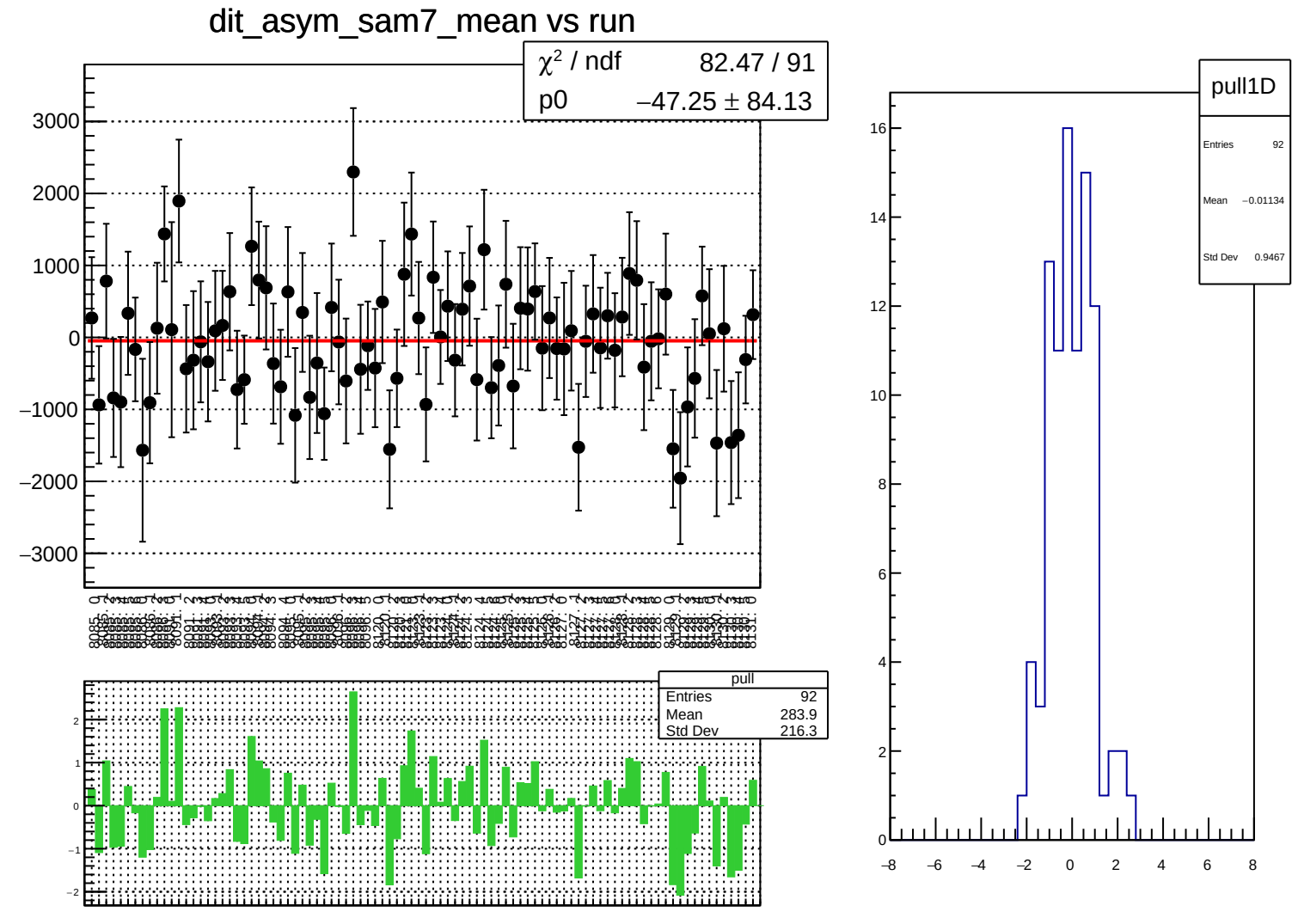

asym_sam6_correction_mean vs run
χ² / ndf 63.19 / 91
p0 1333 ± 1612
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 243.4
Std Dev 164.1
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.003452
Std Dev 0.8288
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

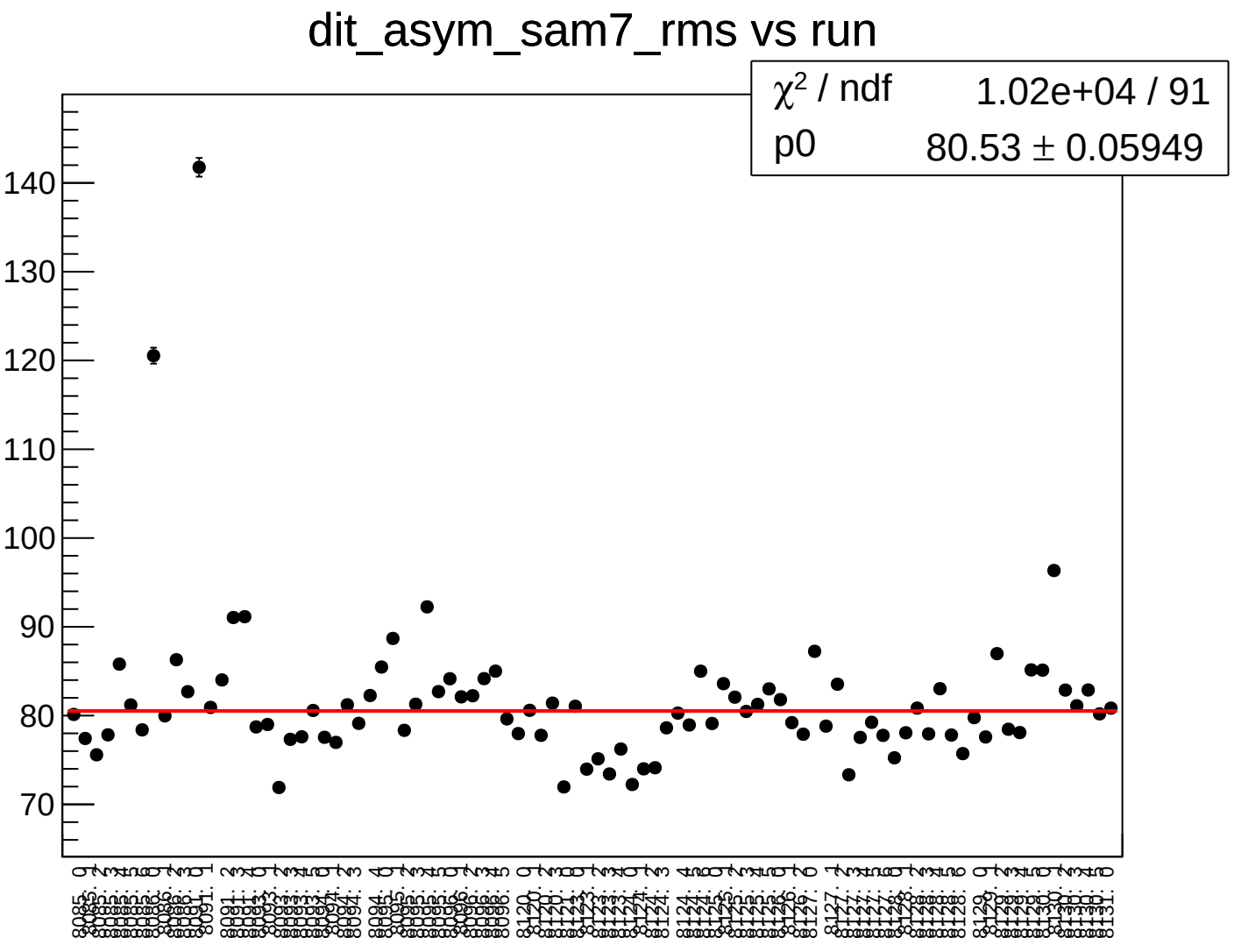

asym_sam6_correction_rms vs run
χ² / ndf 1.666e+04 / 91
p0 1541 ± 1.14
2000
1900
1800
1700
1600
1500
1400
1300
1200

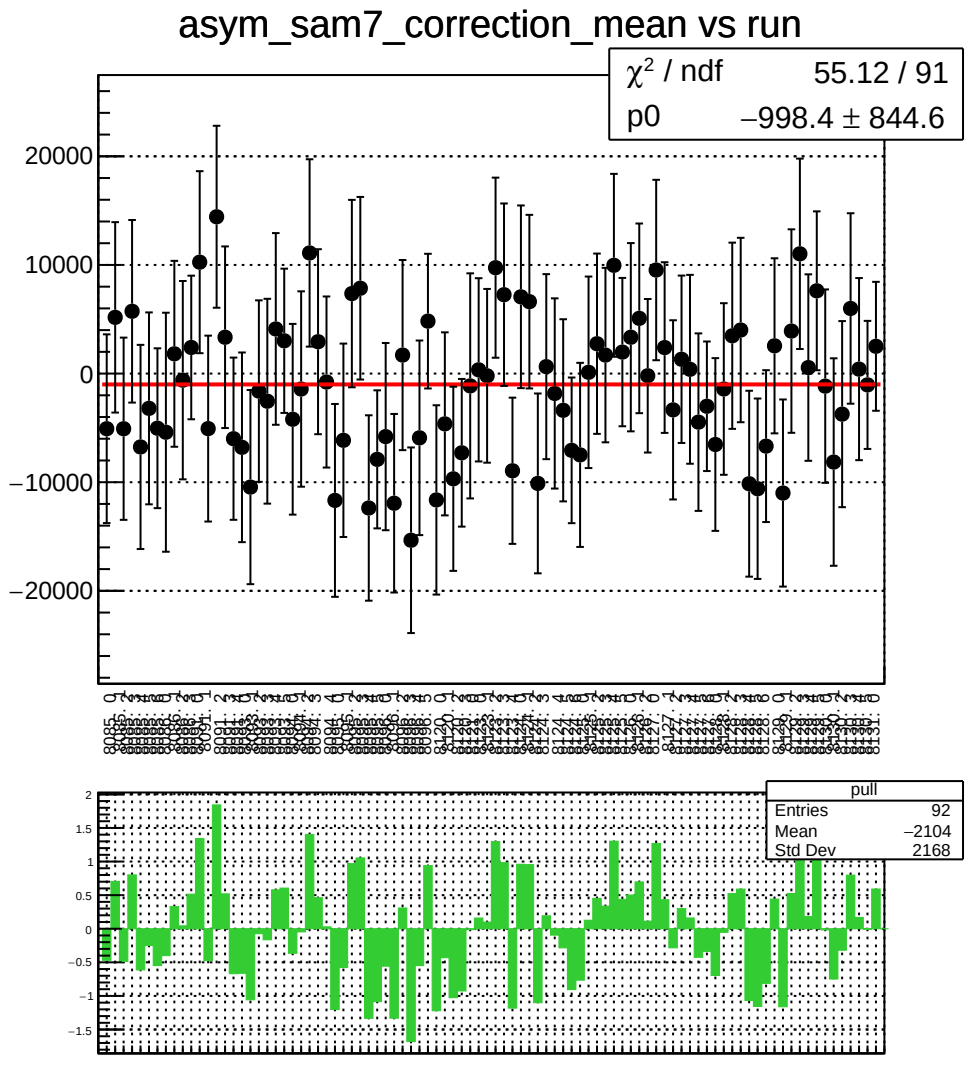

asym_sam6_mean vs run
χ² / ndf 62.01 / 91
p0 −1422 ± 1601
pull
Entries 92
Mean 194.2
Std Dev 111.1

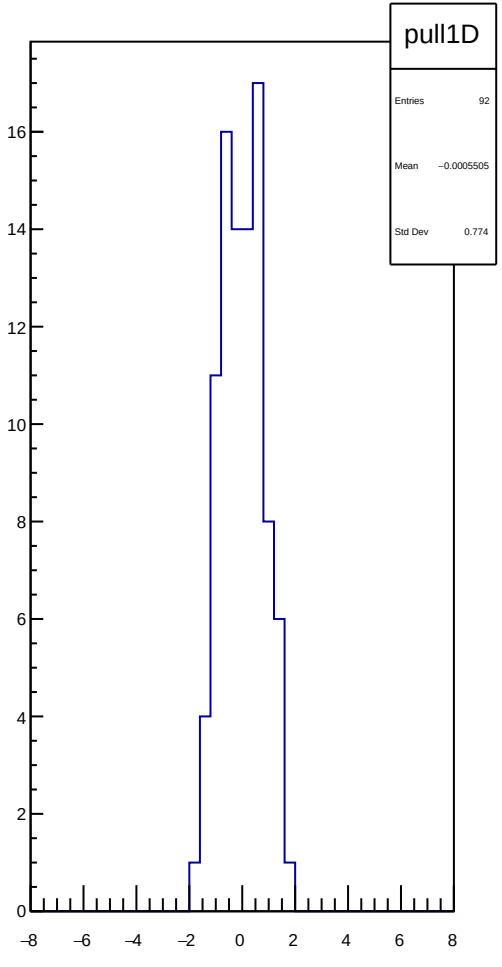

pull1D
Entries 92
Mean 0.003715
Std Dev 0.821

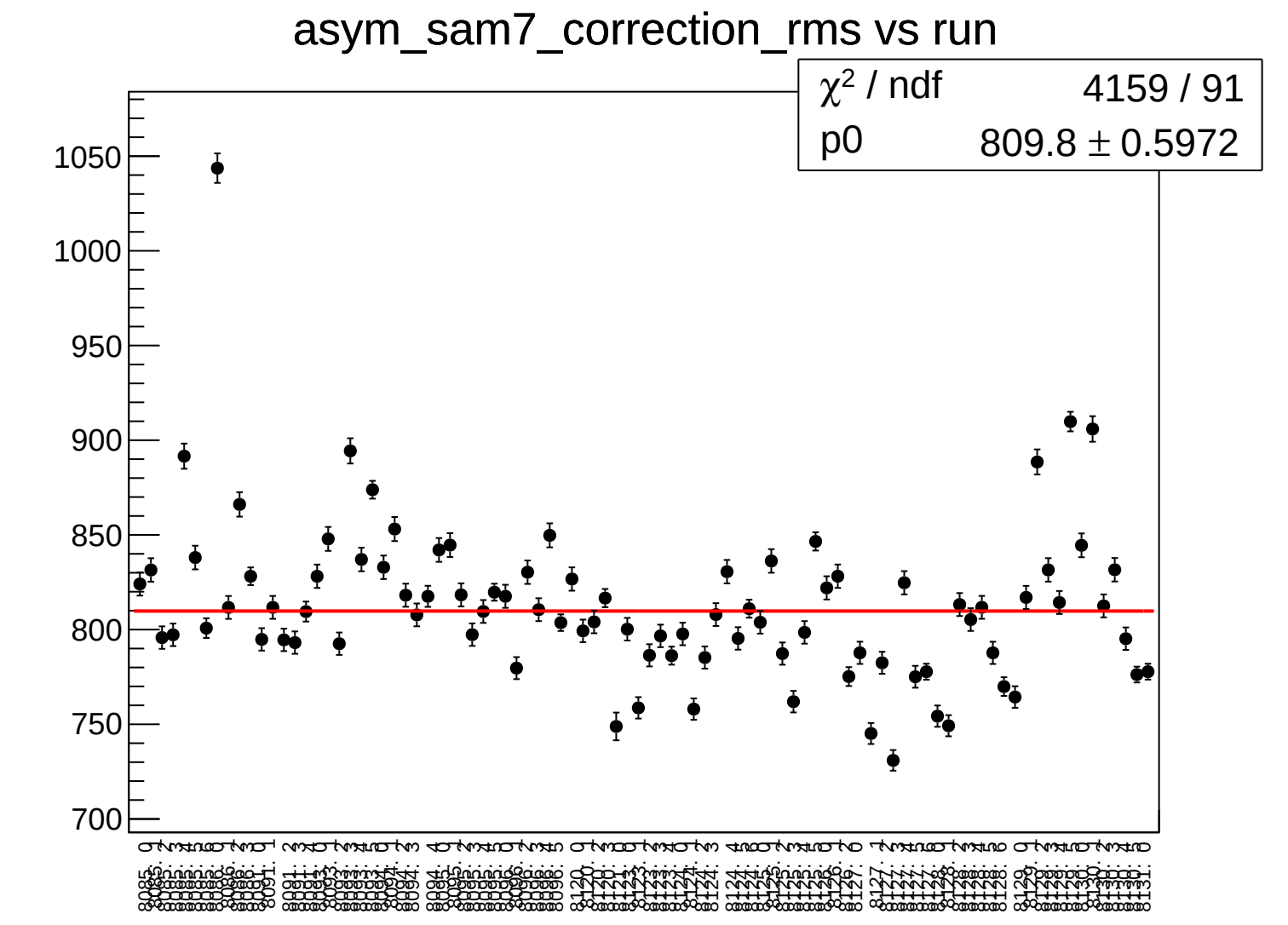

asym_sam6_rms vs run
χ² / ndf 1.413e+04 / 91
p0 1531 ± 1.132
1900
1800
1700
1600
1500
1400
1300
1200

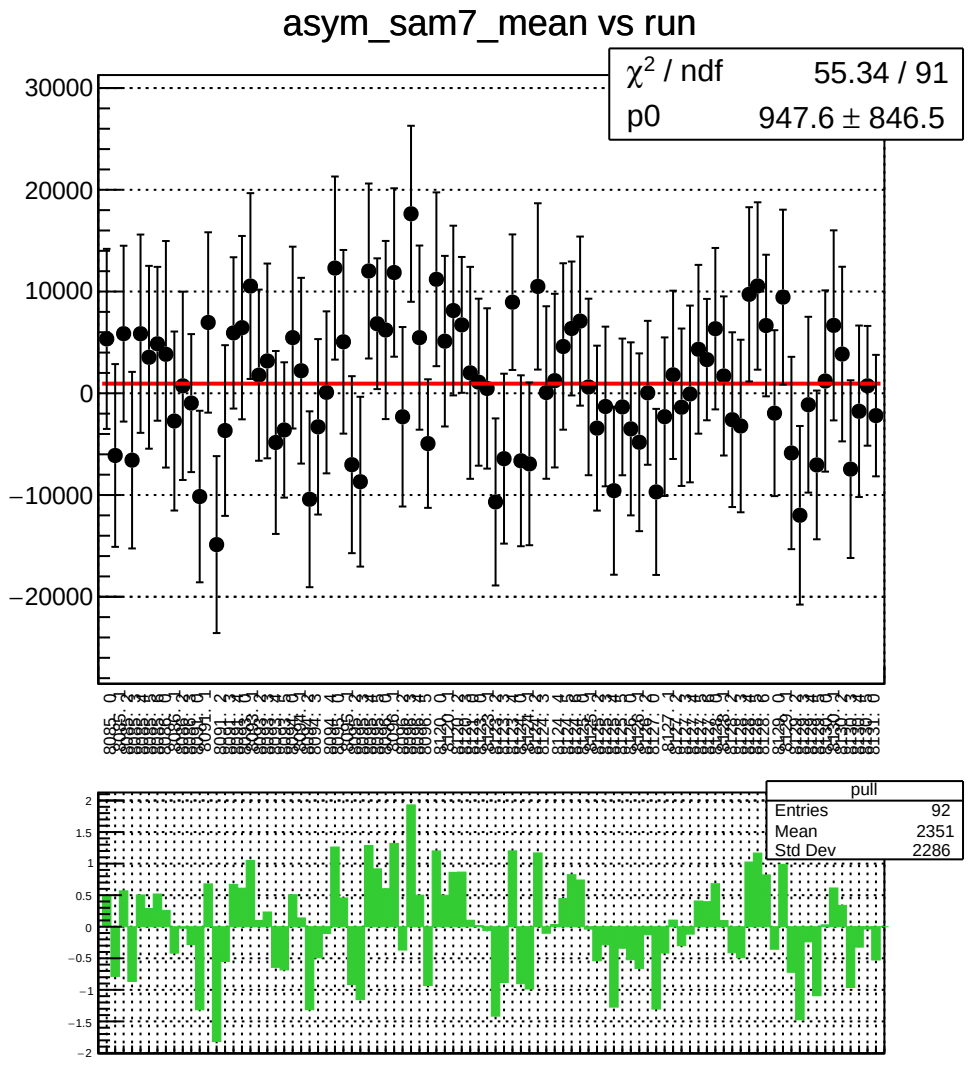

dit_asym_sam7_mean vs run
χ² / ndf 82.47 / 91
p0 −47.25 ± 84.13
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 283.9
Std Dev 216.3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.01134
Std Dev 0.9467
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

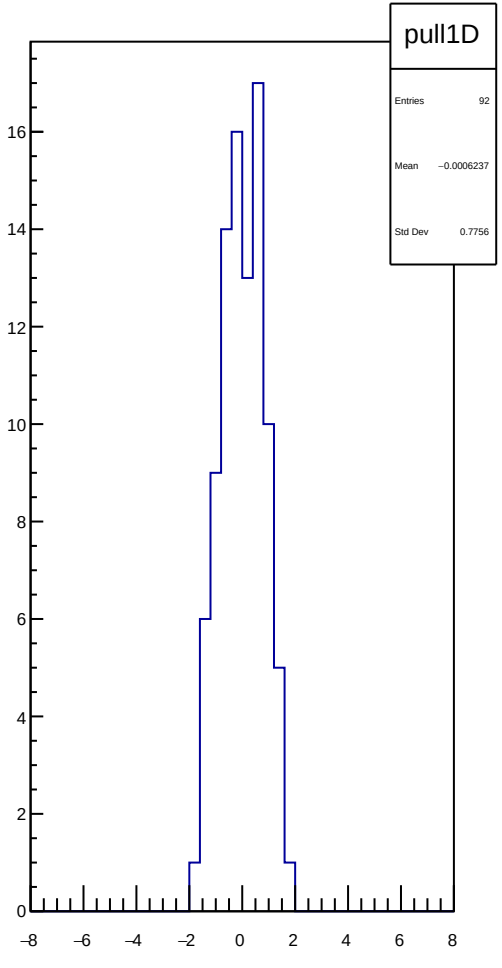

dit_asym_sam7_rms vs run
χ² / ndf 1.02e+04 / 91
p0 80.53 ± 0.05949
140
130
120
110
100
90
80
70

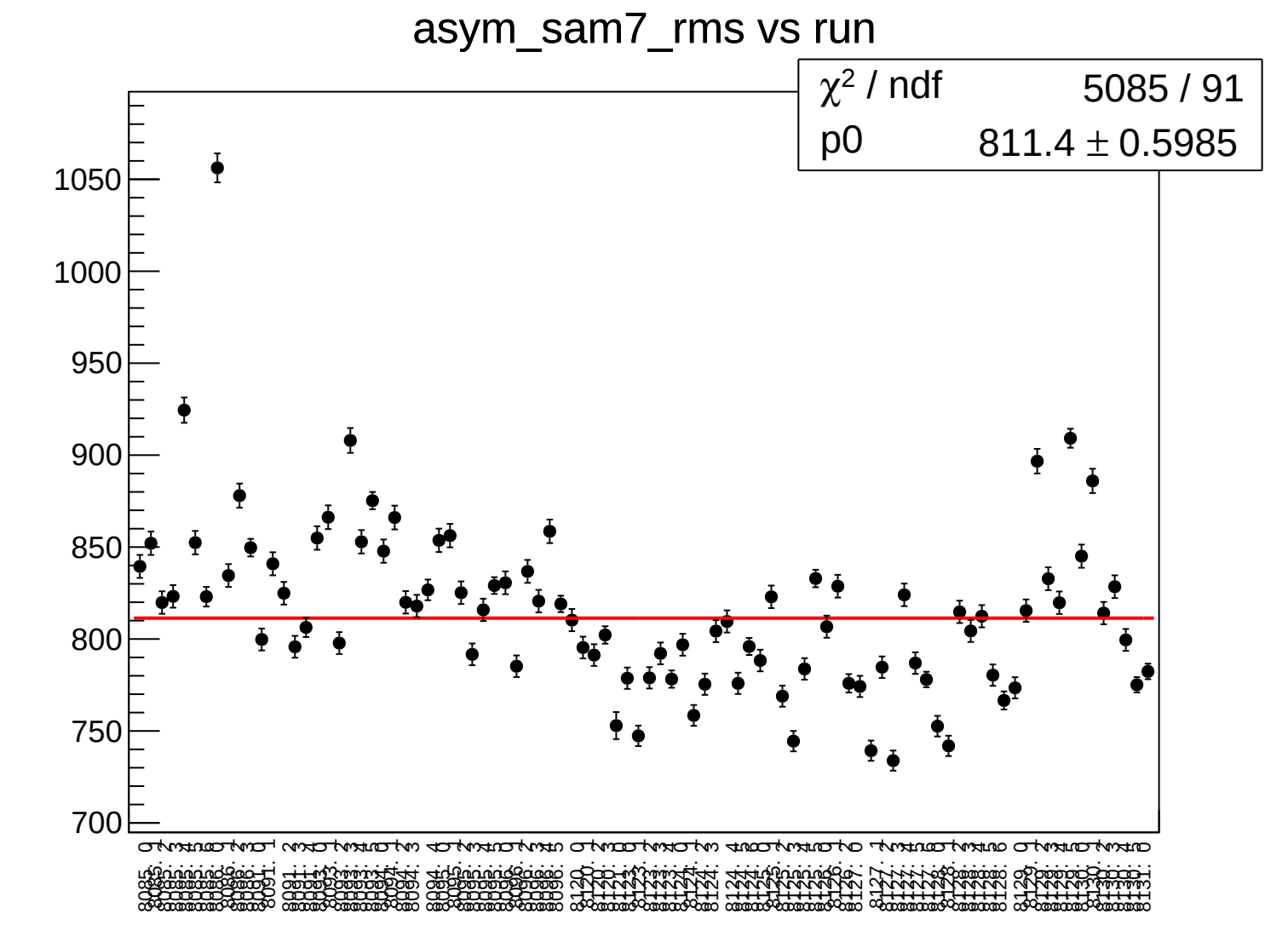

asym_sam7_correction_mean vs run
χ² / ndf 55.12 / 91
p0 −998.4 ± 844.6
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −2104
Std Dev 2168
2
1.5
1
0.5
0
−0.5
−1
−1.5

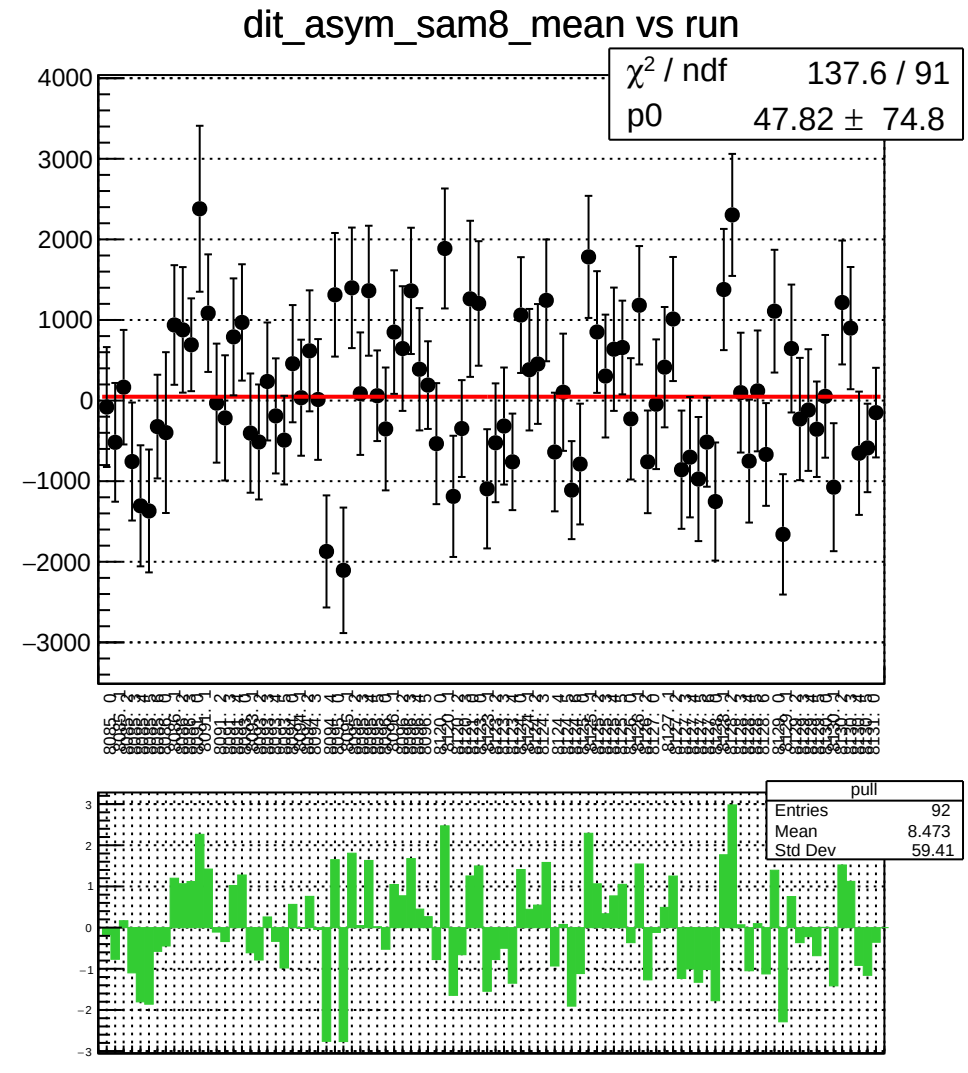

pull1D
Entries 92
Mean −0.0005505
Std Dev 0.774
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

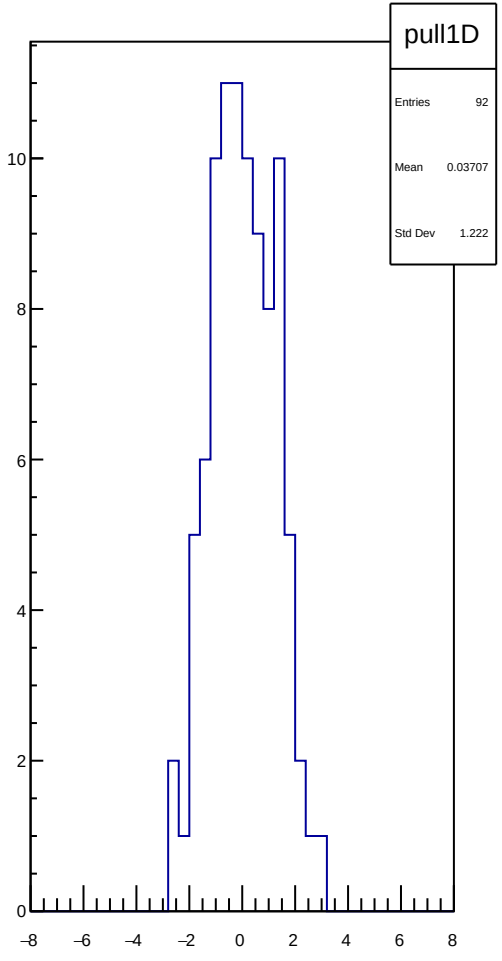

asym_sam7_correction_rms vs run
χ² / ndf 4159 / 91
p0 809.8 ± 0.5972
1050
1000
950
900
850
800
750
700

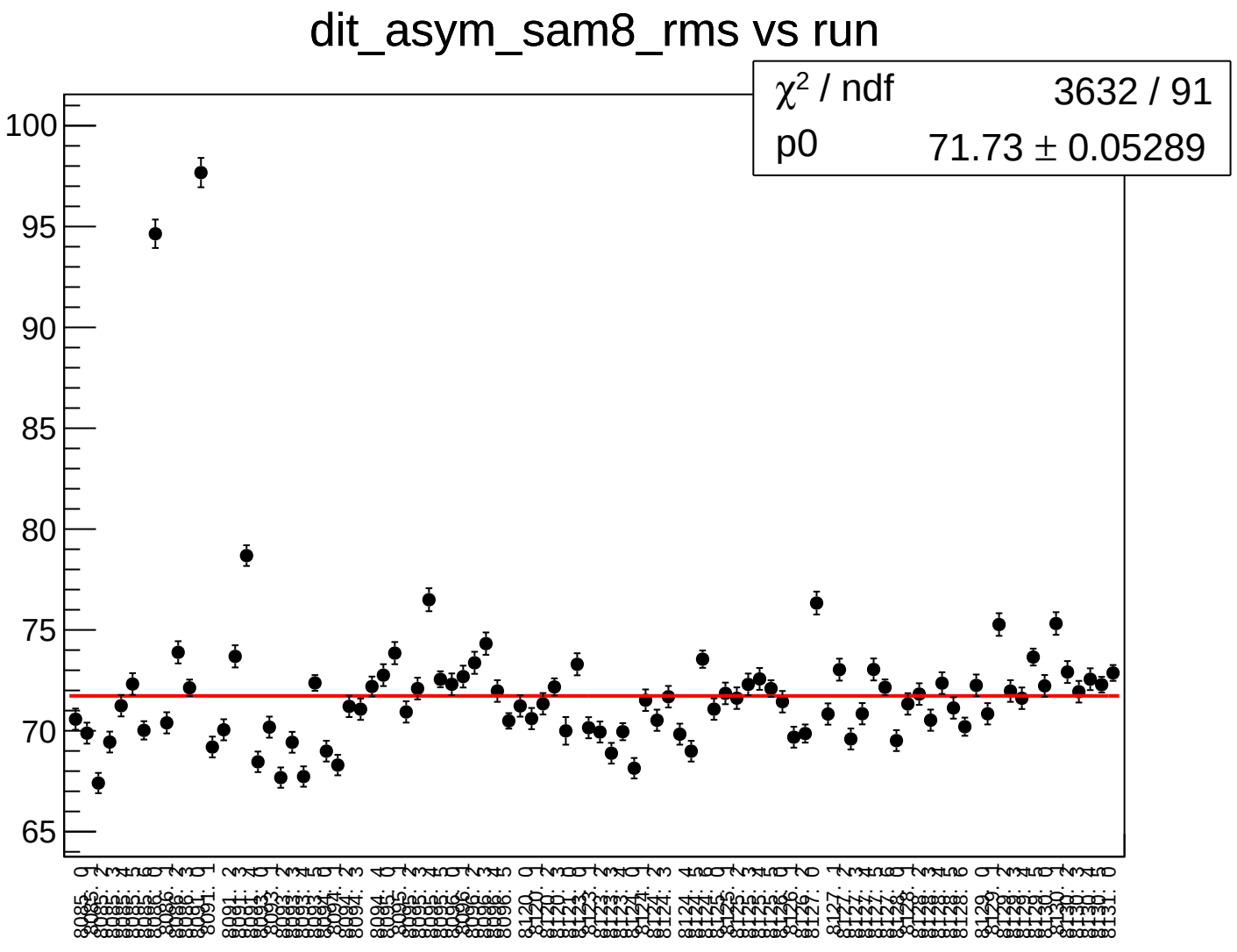

asym_sam7_mean vs run
χ² / ndf 55.34 / 91
p0 947.6 ± 846.5
30000
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 2351
Std Dev 2286
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

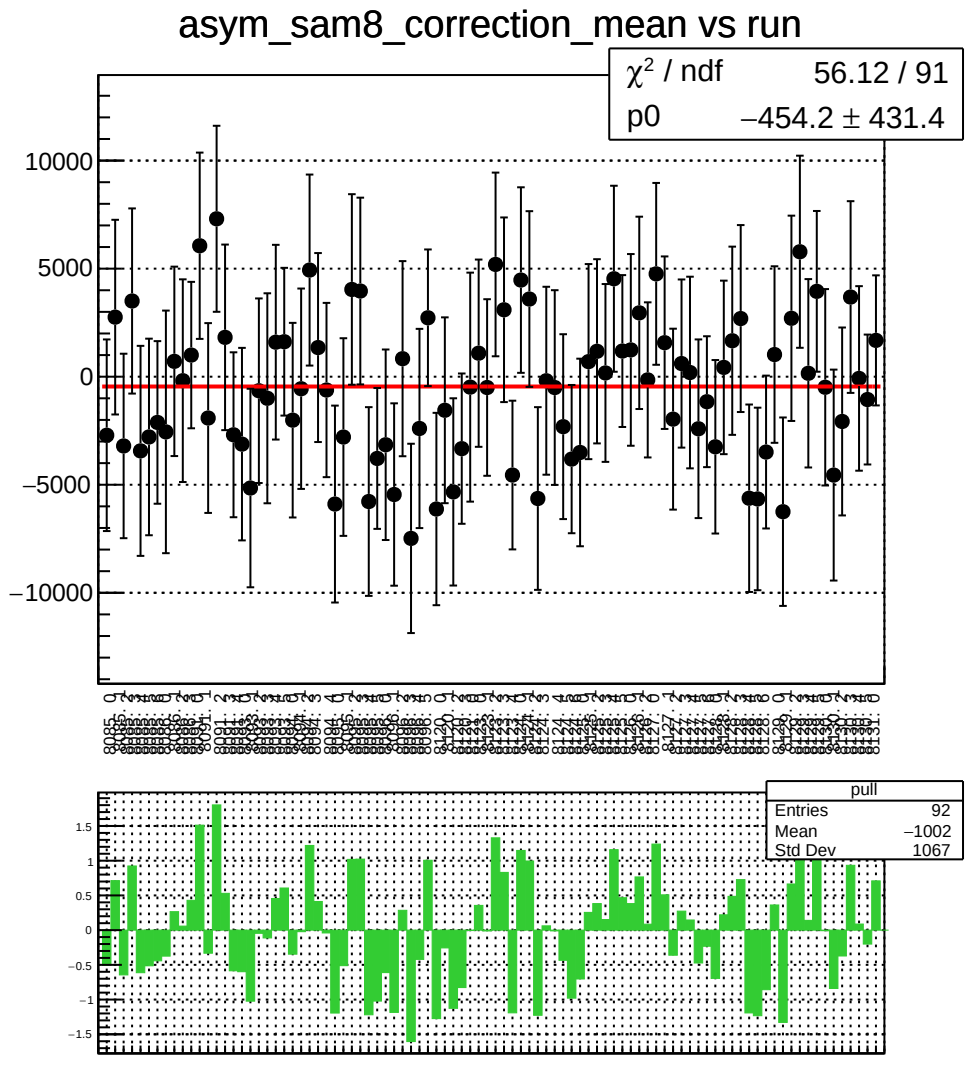

pull1D
Entries 92
Mean −0.0006237
Std Dev 0.7756
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

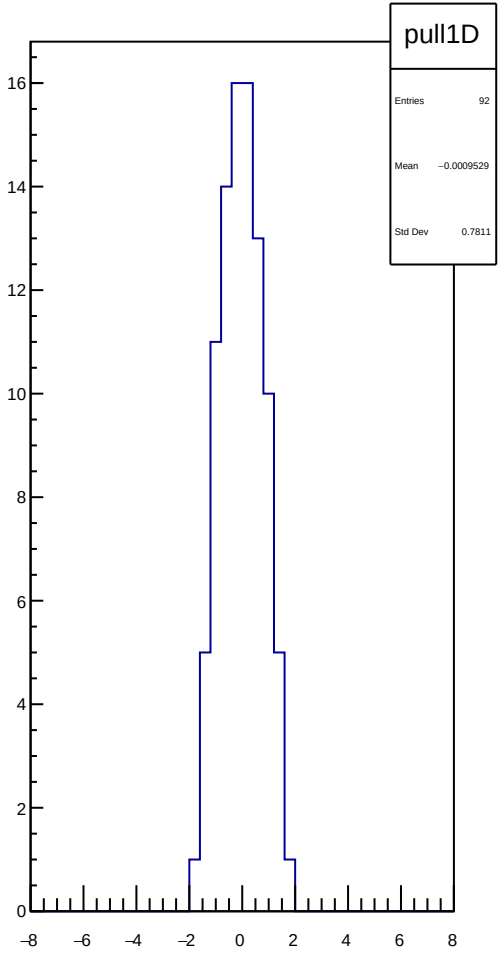

asym_sam7_rms vs run
χ^2 / ndf 5085 / 91
p0 811.4 ± 0.5985
1050
1000
950
900
850
800
750
700

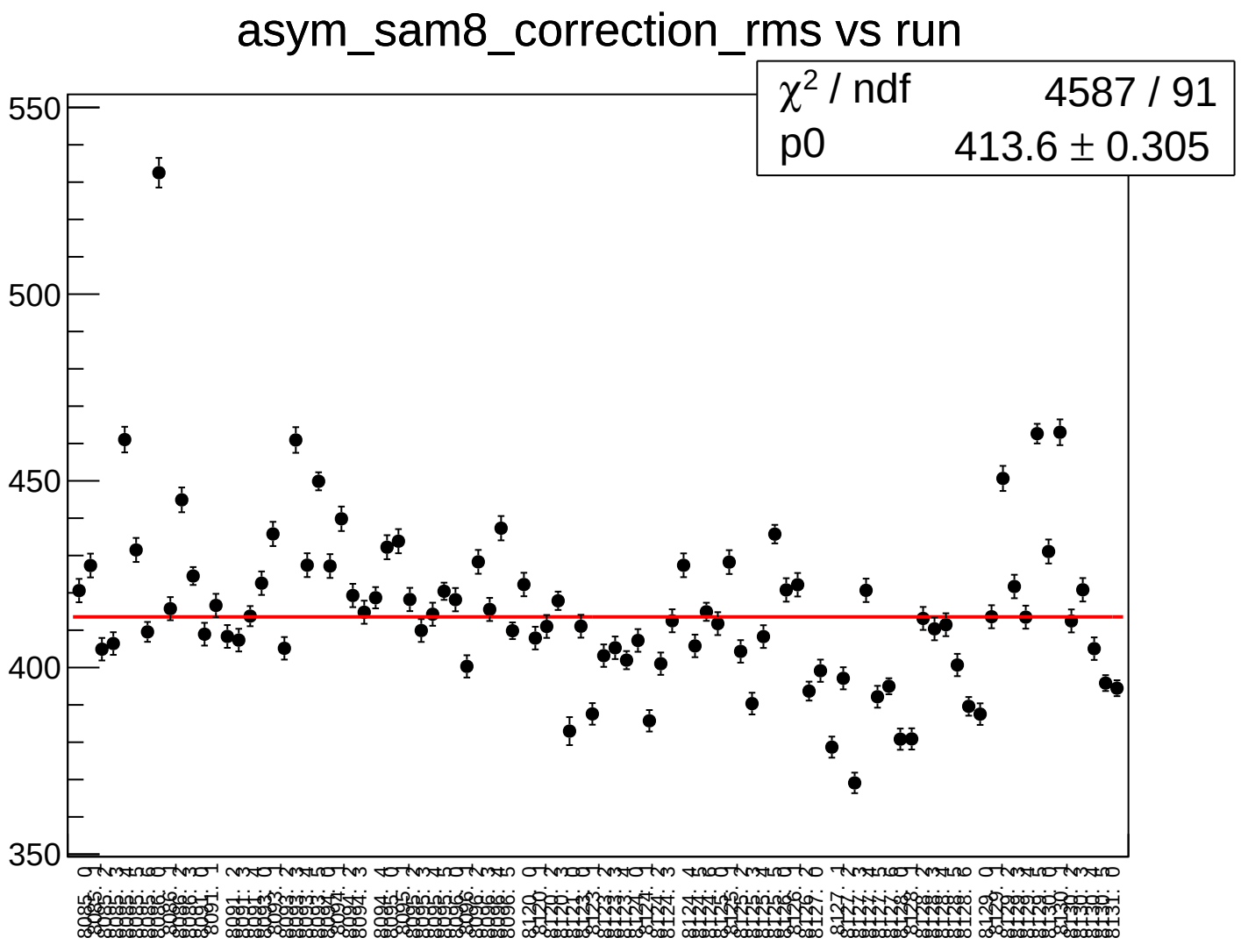

dit_asym_sam8_mean vs run
χ² / ndf 137.6 / 91
p0 47.82 ± 74.8
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 8.473
Std Dev 59.41
3
2
1
0
−1
−2
−3

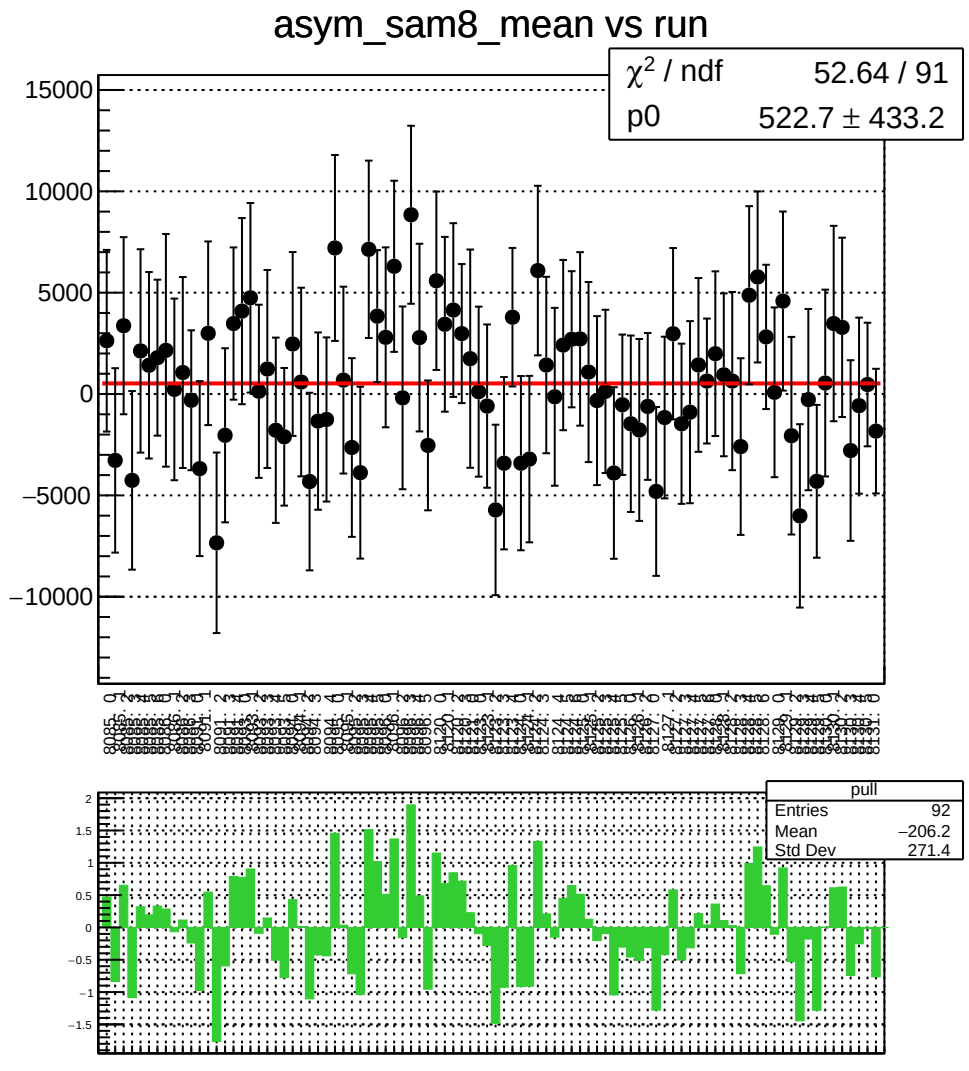

pull1D
Entries 92
Mean 0.03707
Std Dev 1.222
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

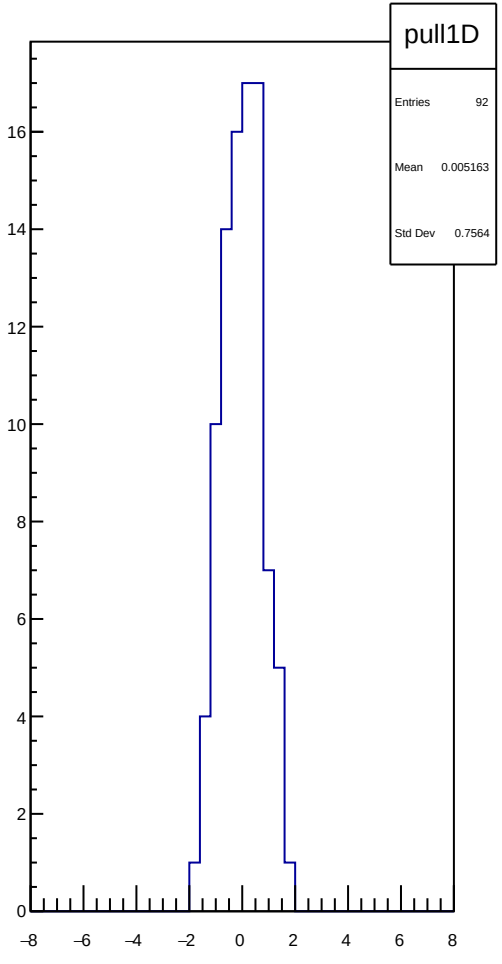

dit_asym_sam8_rms vs run
χ^2 / ndf 3632 / 91
p0 71.73 ± 0.05289
100
95
90
85
80
75
70
65

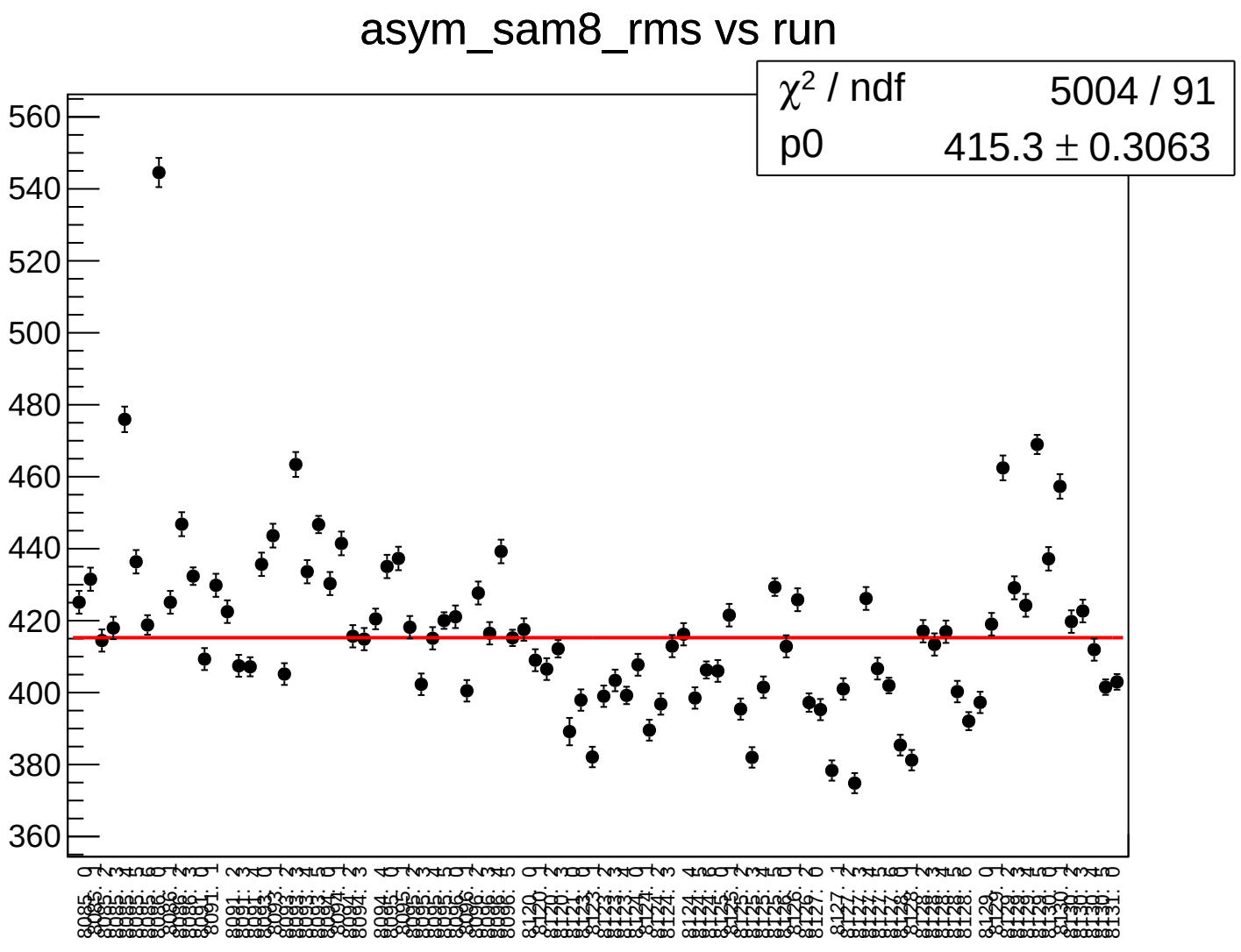

asym_sam8_correction_mean vs run
χ² / ndf 56.12 / 91
p0 −454.2 ± 431.4
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −1002
Std Dev 1067
1.5
1
0.5
0
−0.5
−1
−1.5

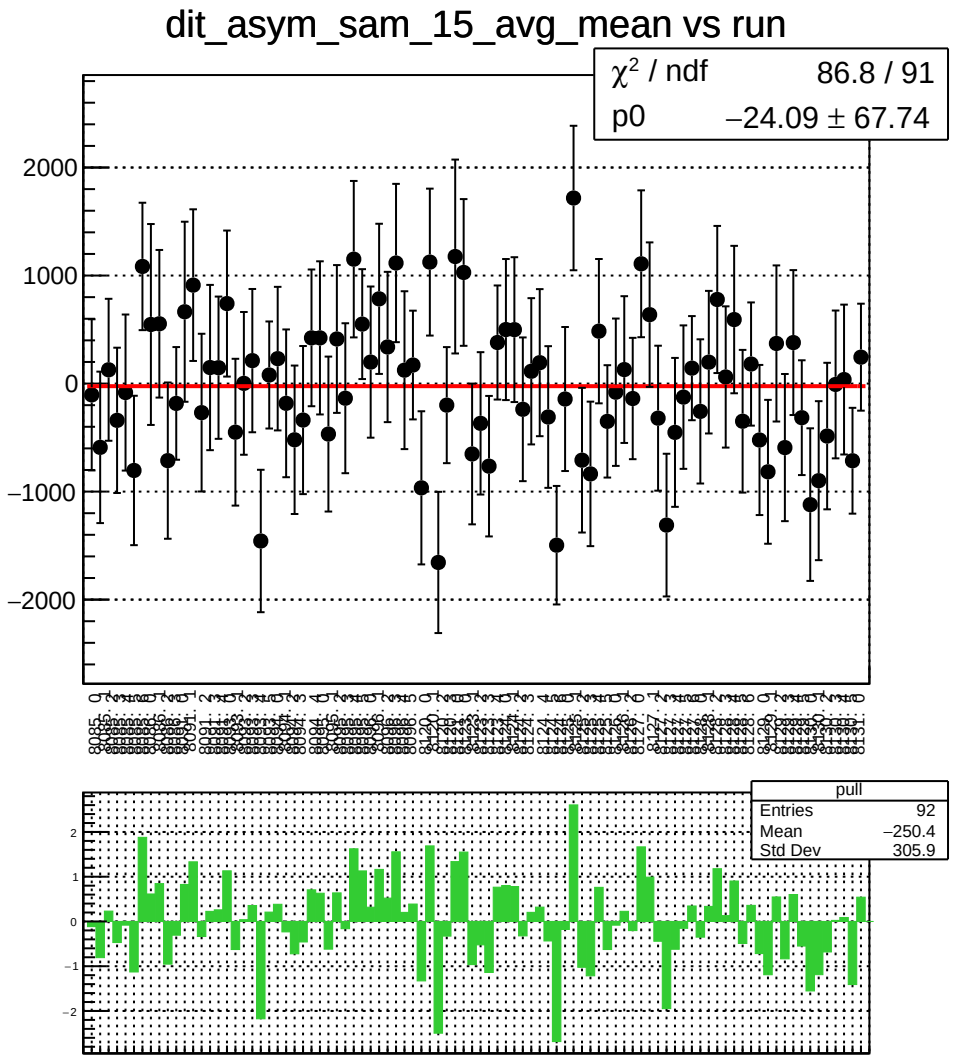

pull1D
Entries 92
Mean −0.0009529
Std Dev 0.7811
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

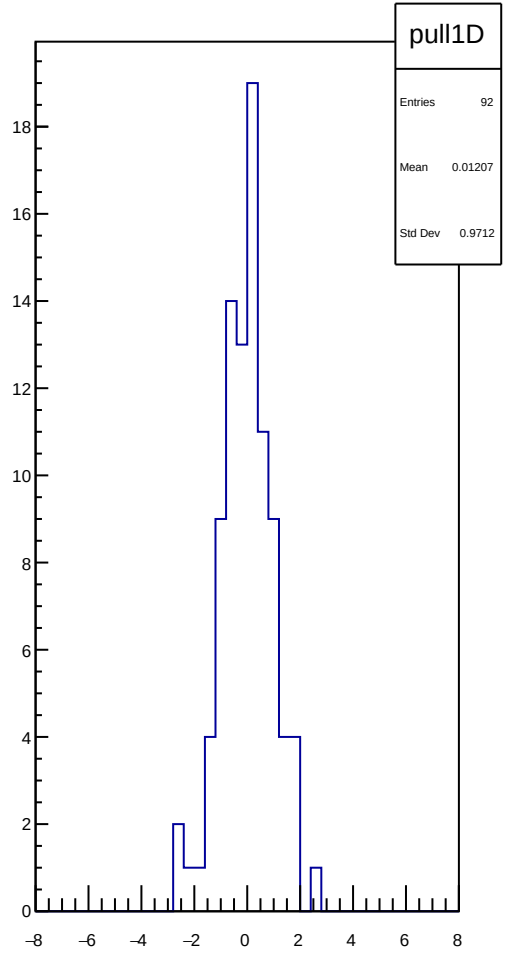

asym_sam8_correction_rms vs run
χ² / ndf 4587 / 91
p0 413.6 ± 0.305
550
500
450
400
350

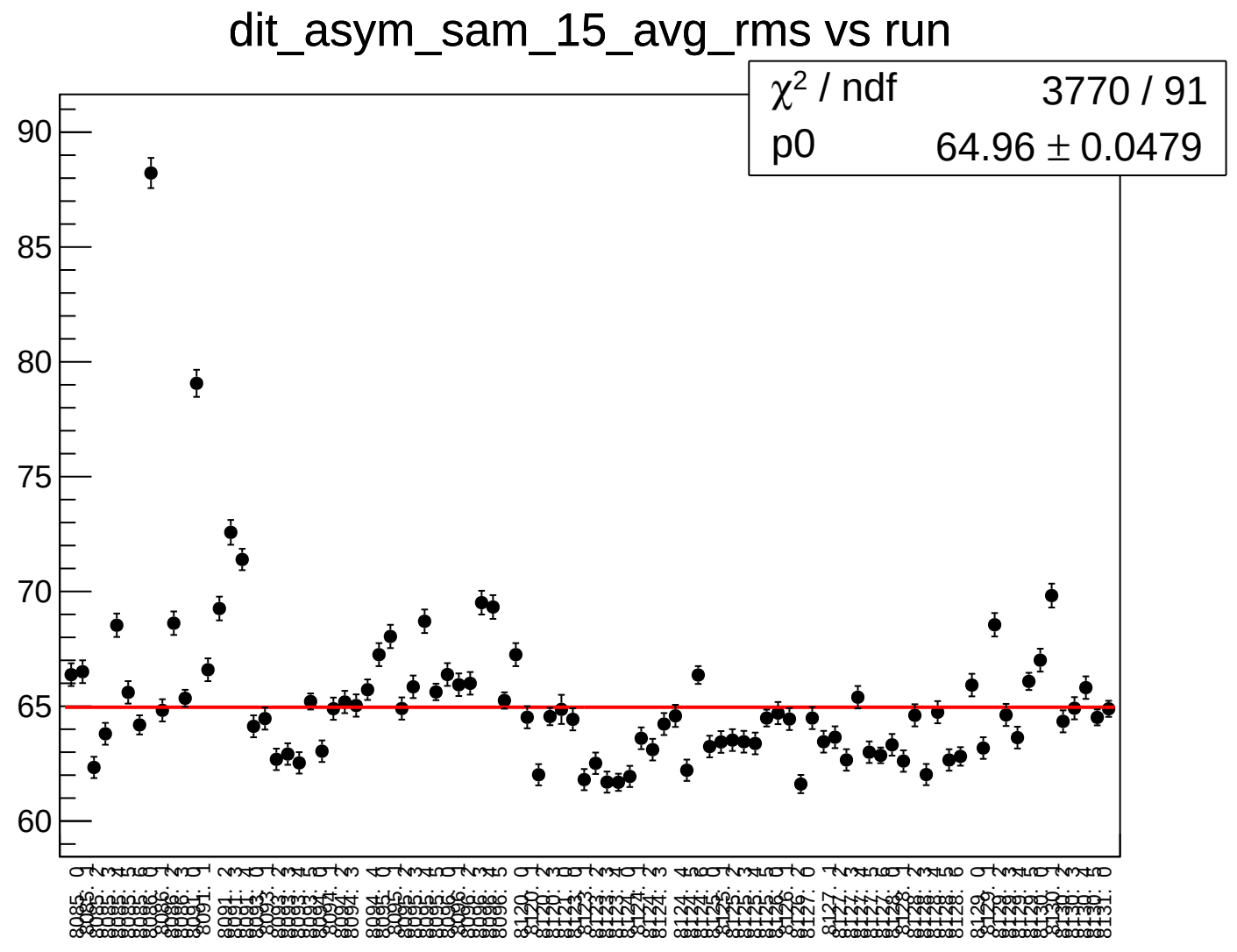

asym_sam8_mean vs run
χ² / ndf 52.64 / 91
p0 522.7 ± 433.2
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −206.2
Std Dev 271.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

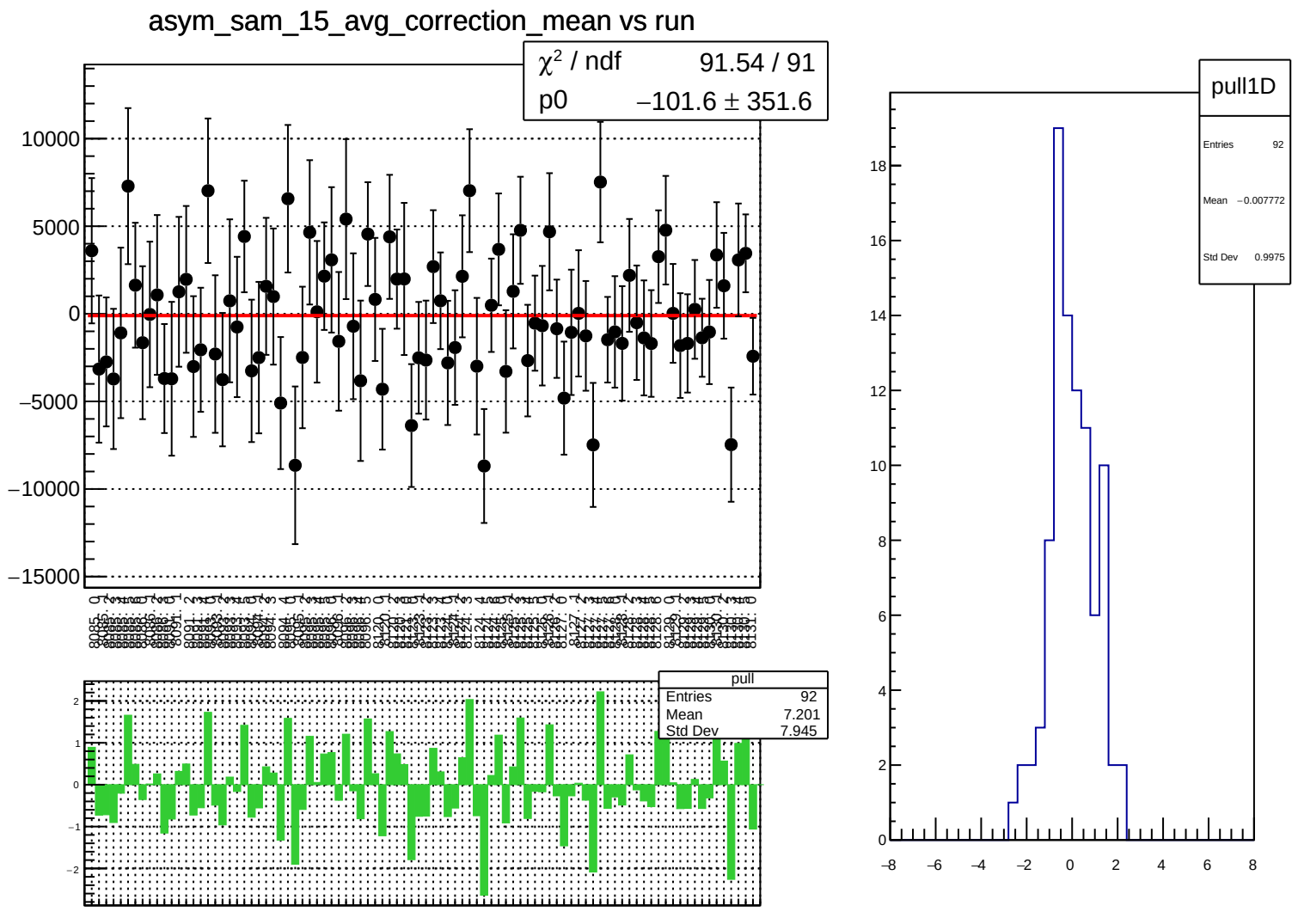

pull1D
Entries 92
Mean 0.005163
Std Dev 0.7564
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

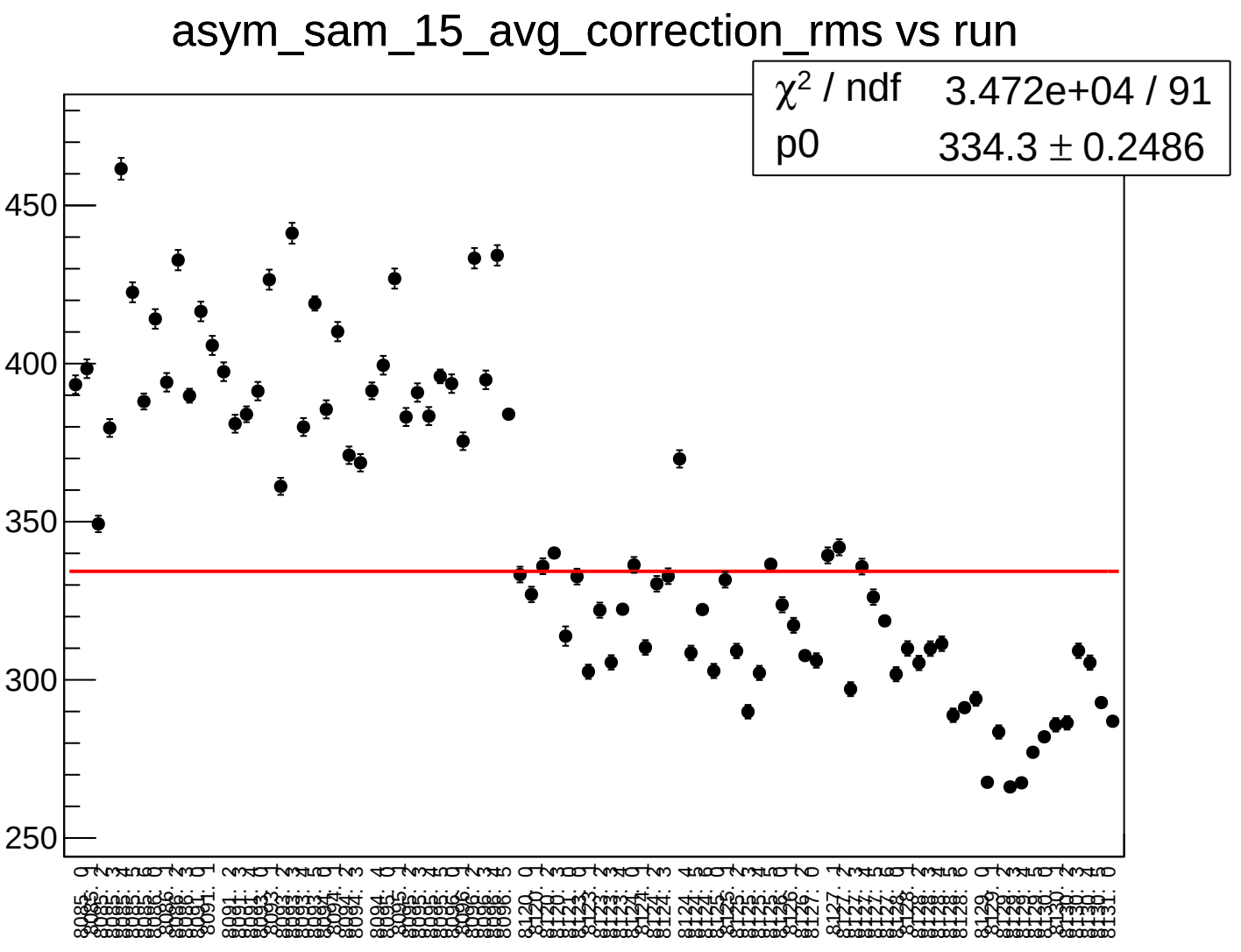

asym_sam8_rms vs run
χ² / ndf 5004 / 91
p0 415.3 ± 0.3063
560
540
520
500
480
460
440
420
400
380
360

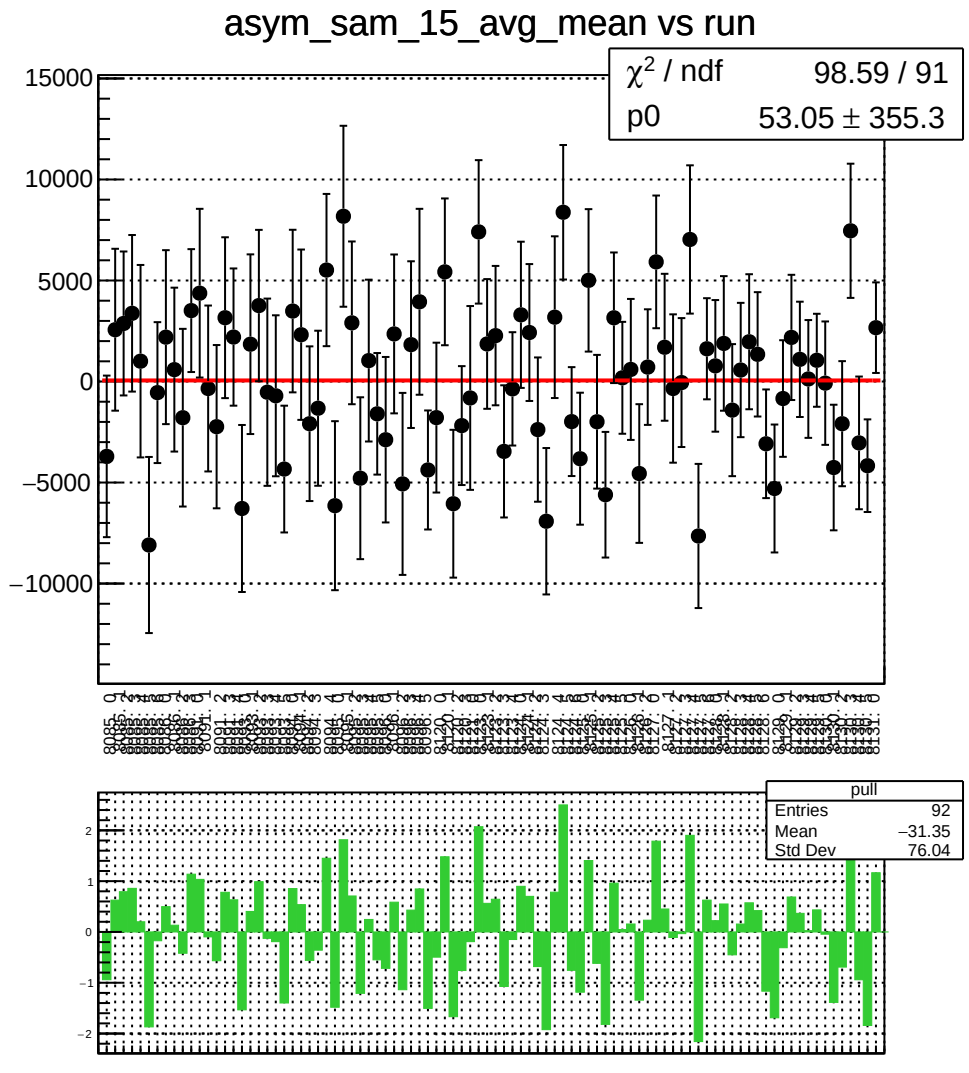

dit_asym_sam_15_avg_mean vs run
χ² / ndf 86.8 / 91
p0 −24.09 ± 67.74
2000
1000
0
−1000
−2000
pull
Entries 92
Mean −250.4
Std Dev 305.9
2
1
0
−1
−2

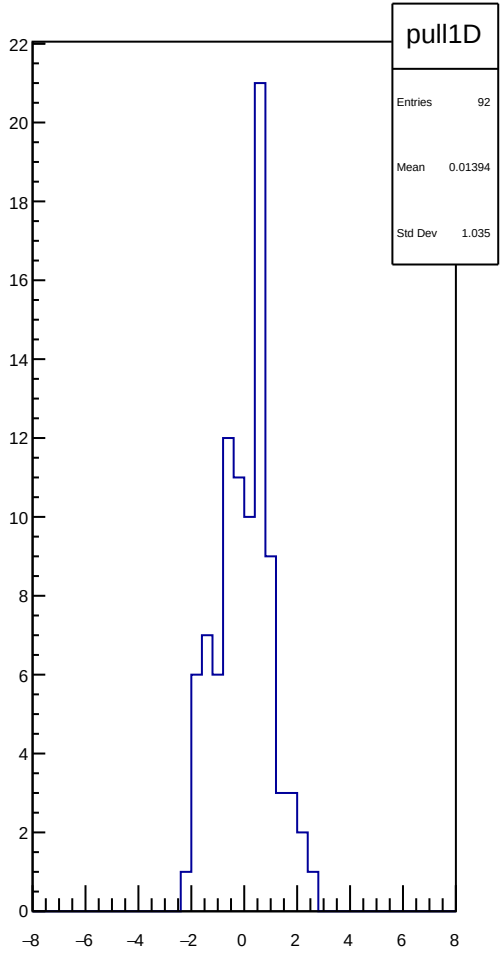

pull1D
Entries 92
Mean 0.01207
Std Dev 0.9712
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

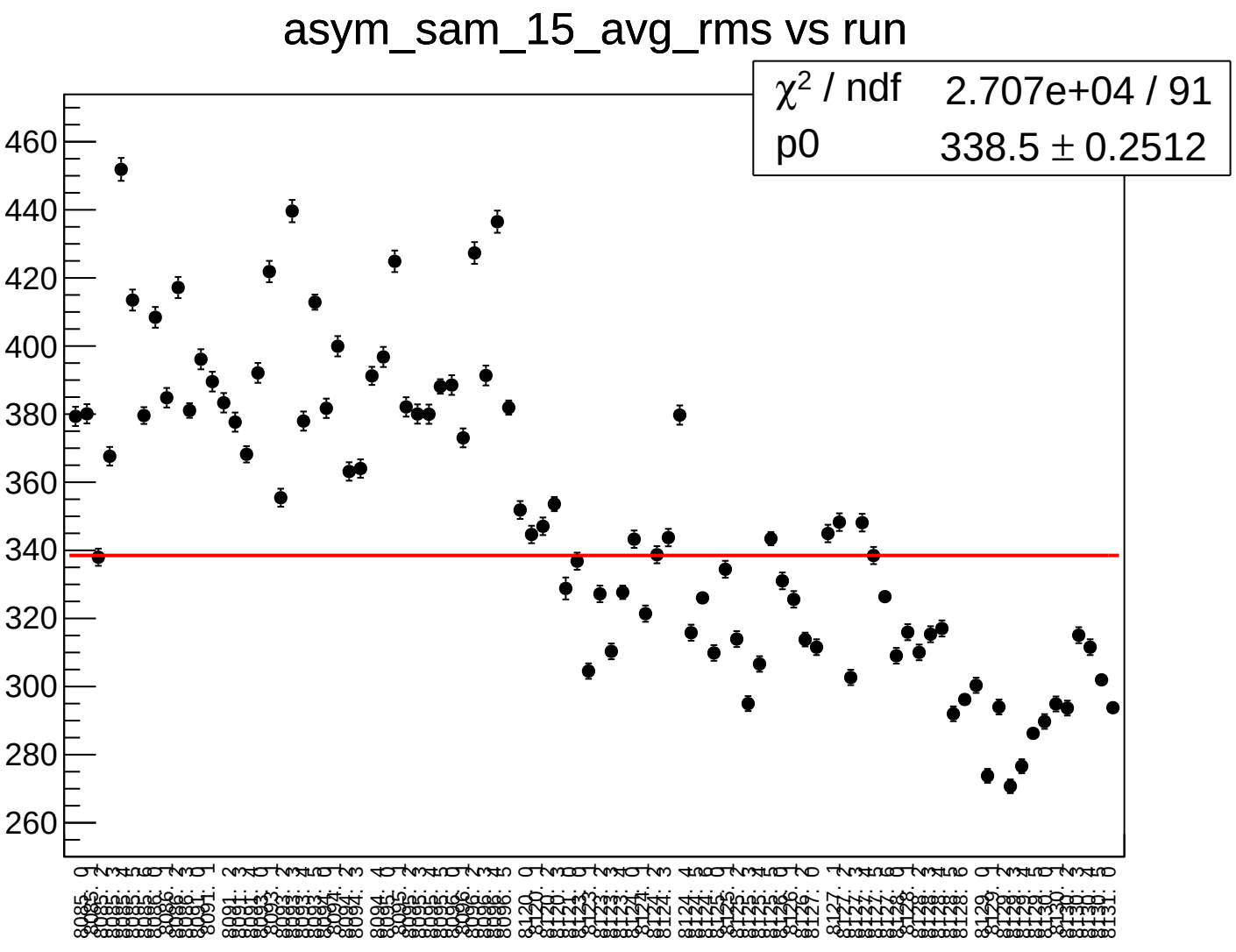

dit_asym_sam_15_avg_rms vs run
χ² / ndf 3770 / 91
p0 64.96 ± 0.0479
90
85
80
75
70
65
60

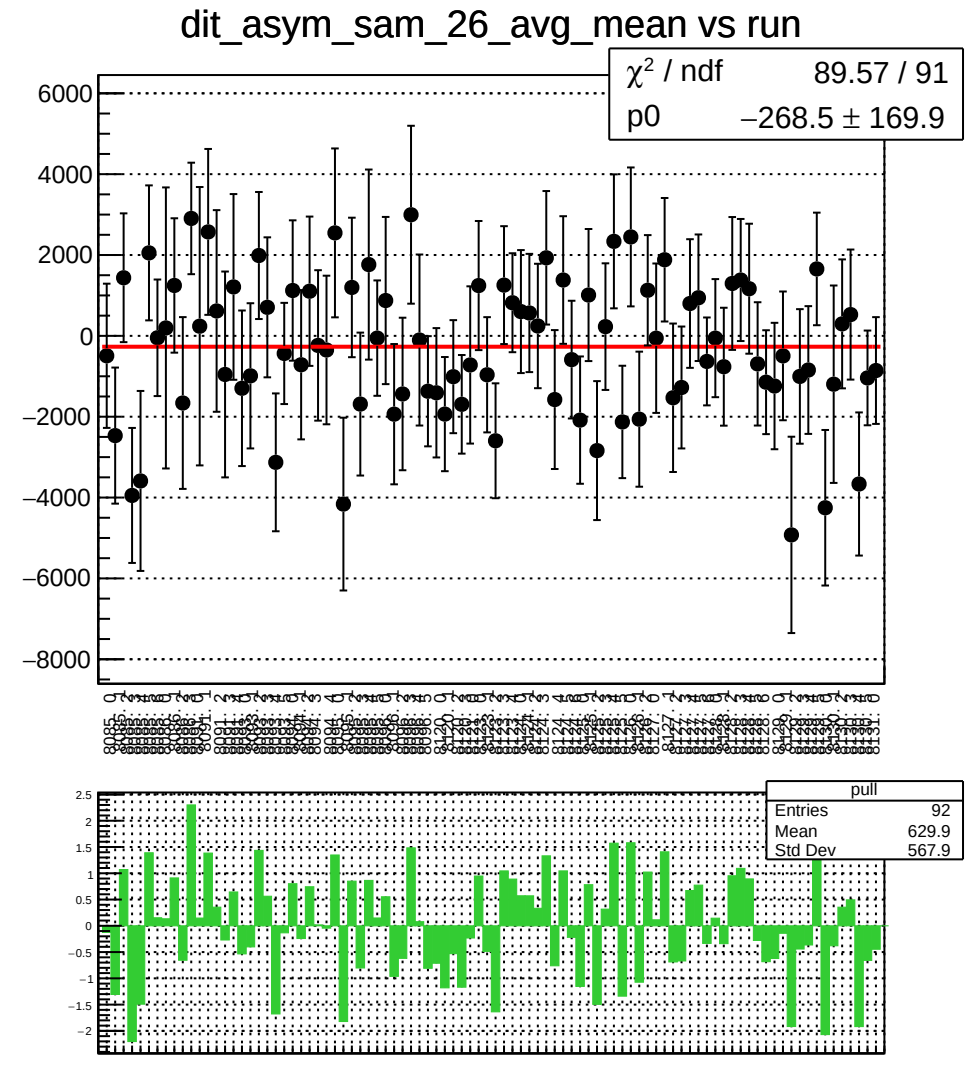

asym_sam_15_avg_correction_mean vs run
χ² / ndf 91.54 / 91
p0 −101.6 ± 351.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 7.201
Std Dev 7.945
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.007772
Std Dev 0.9975
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

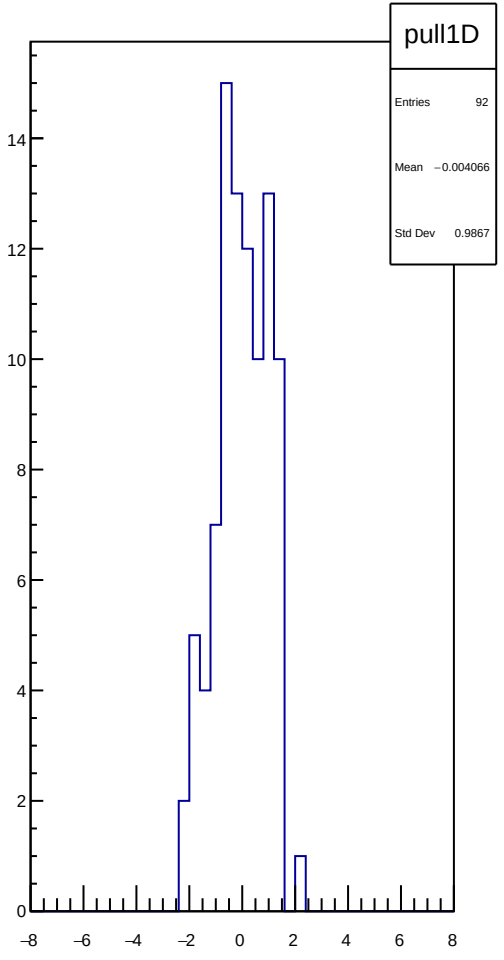

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3.472e+04 / 91
p0 334.3 ± 0.2486
450
400
350
300
250

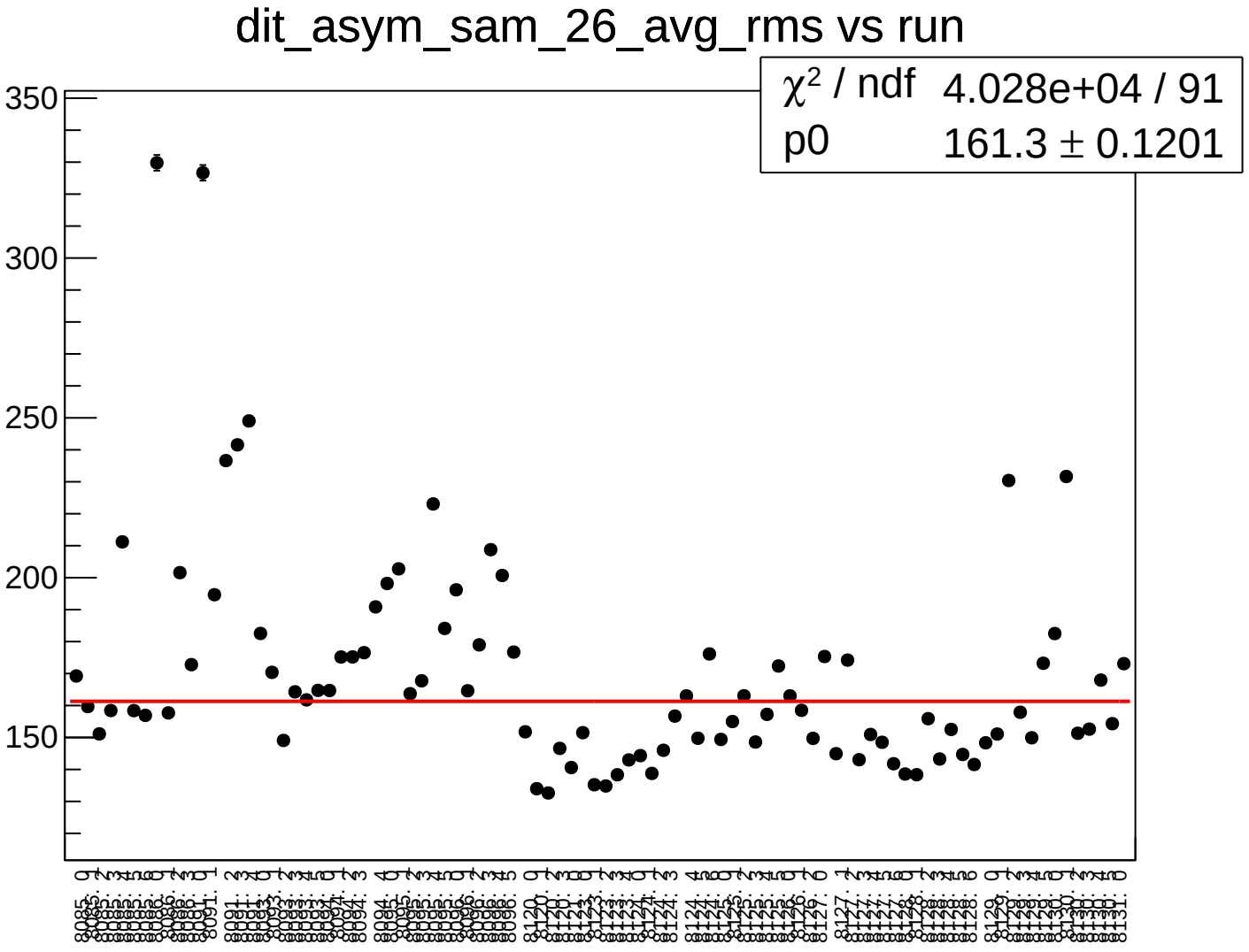

asym_sam_15_avg_mean vs run
χ² / ndf 98.59 / 91
p0 53.05 ± 355.3
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −31.35
Std Dev 76.04
2
1
0
−1
−2

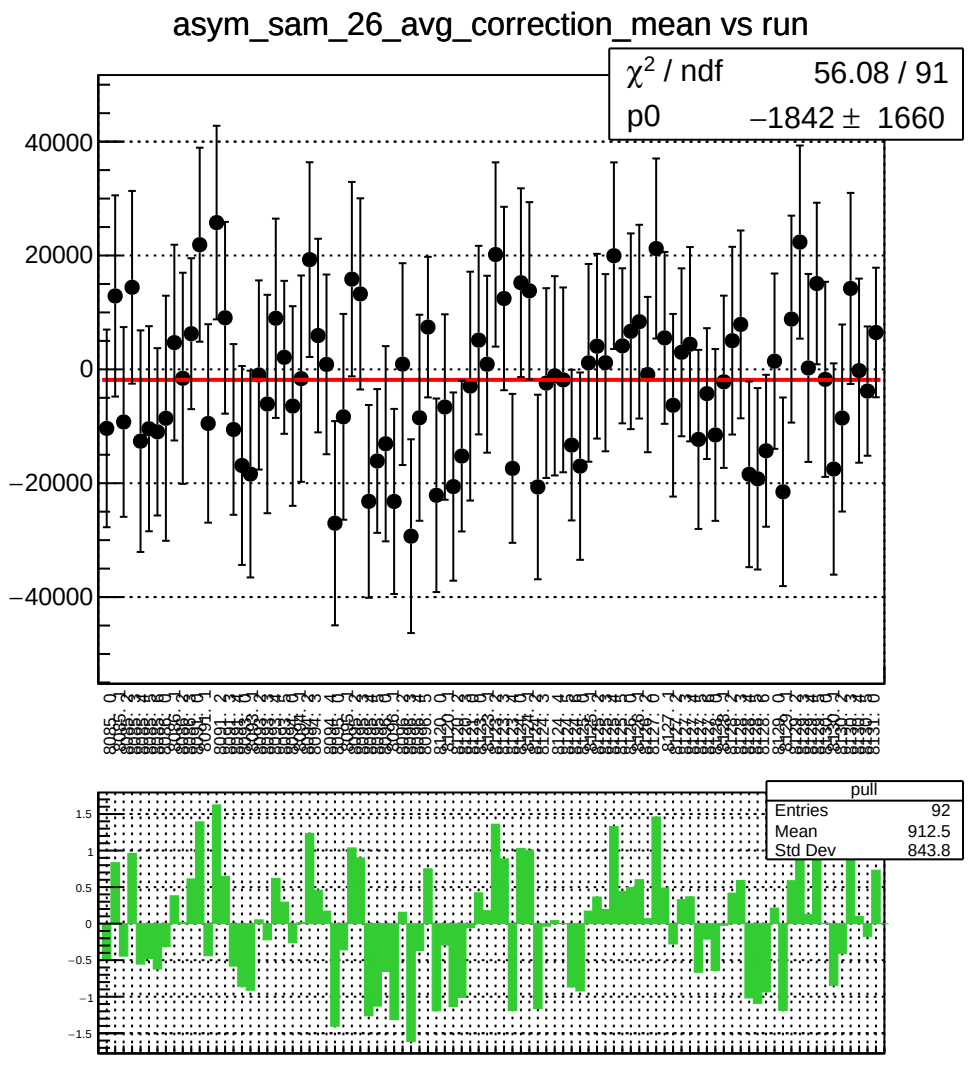

pull1D
Entries 92
Mean 0.01394
Std Dev 1.035
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

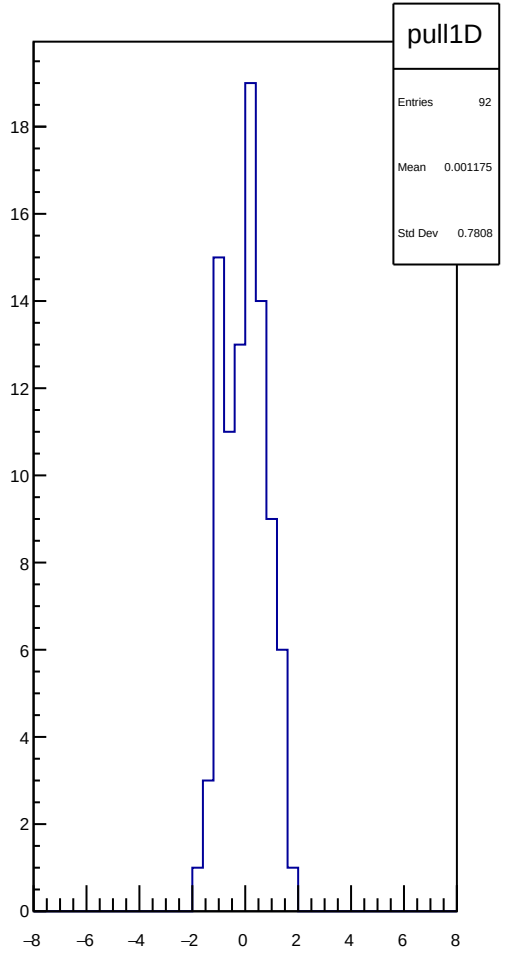

asym_sam_15_avg_rms vs run
χ^2 / ndf 2.707e+04 / 91
p0 338.5 ± 0.2512
460
440
420
400
380
360
340
320
300
280
260

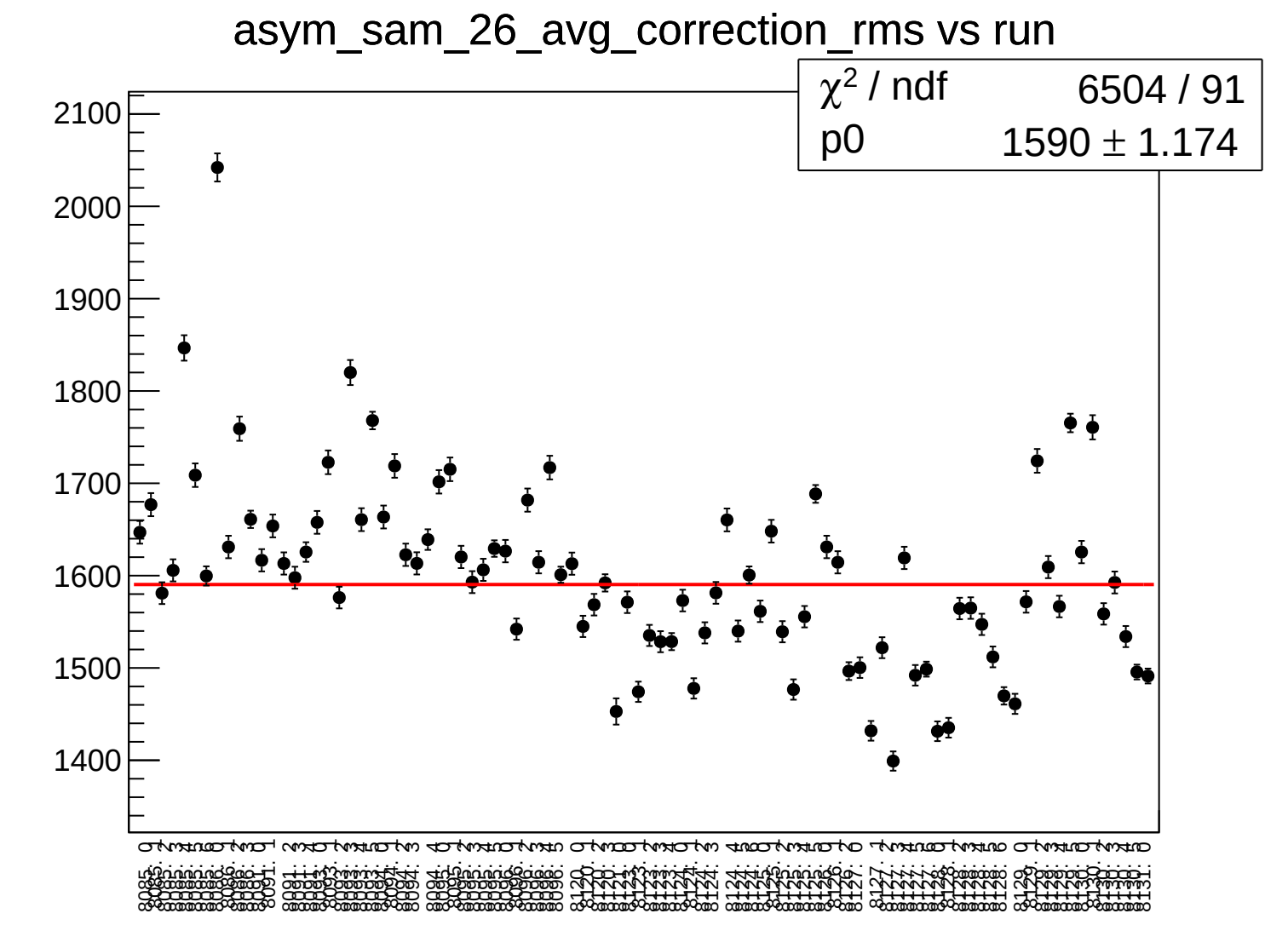

dit_asym_sam_26_avg_mean vs run
χ² / ndf 89.57 / 91
p0 −268.5 ± 169.9
pull
Entries 92
Mean 629.9
Std Dev 567.9

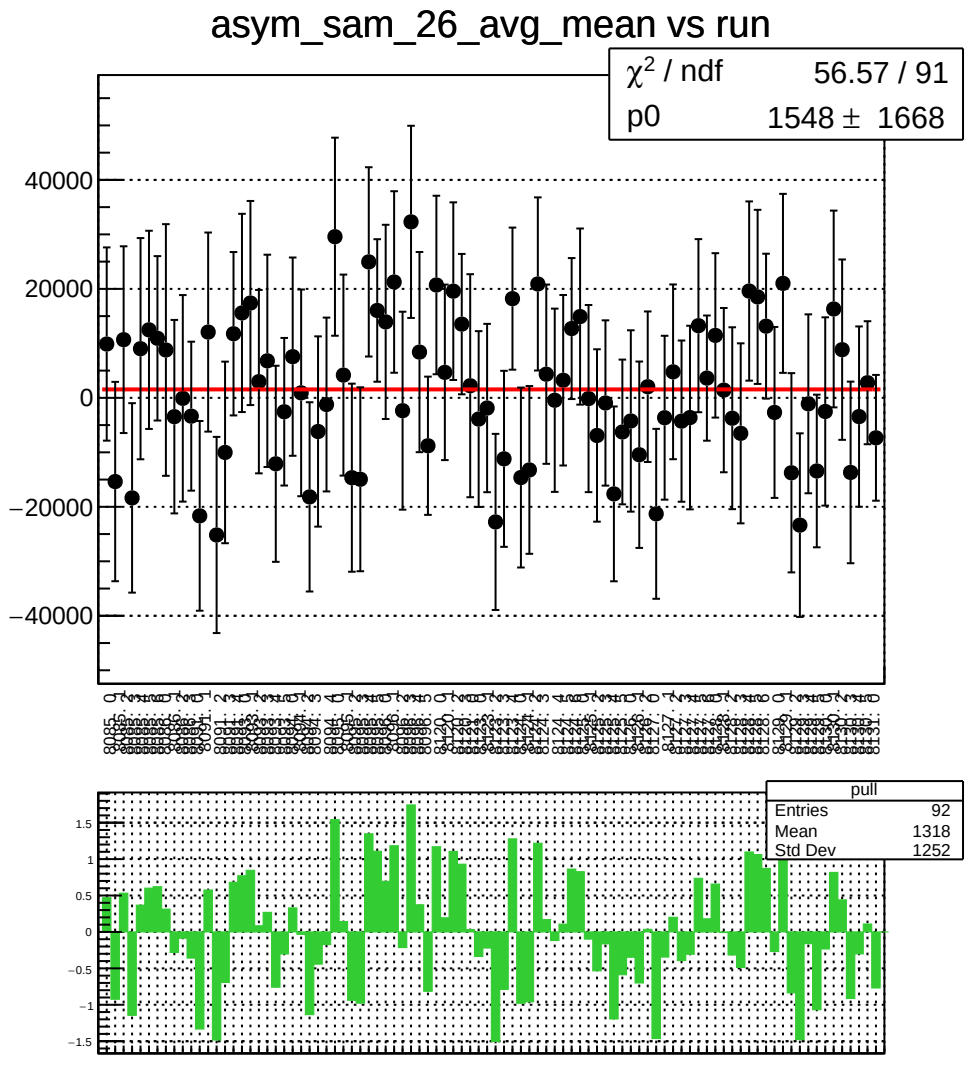

pull1D
Entries 92
Mean −0.004066
Std Dev 0.9867

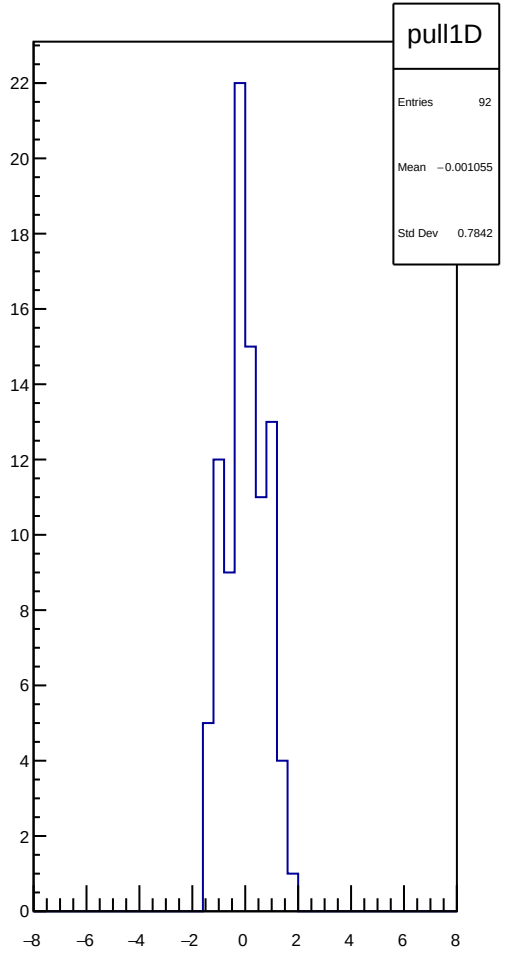

dit_asym_sam_26_avg_rms vs run
χ² / ndf 4.028e+04 / 91
p0 161.3 ± 0.1201
350
300
250
200
150

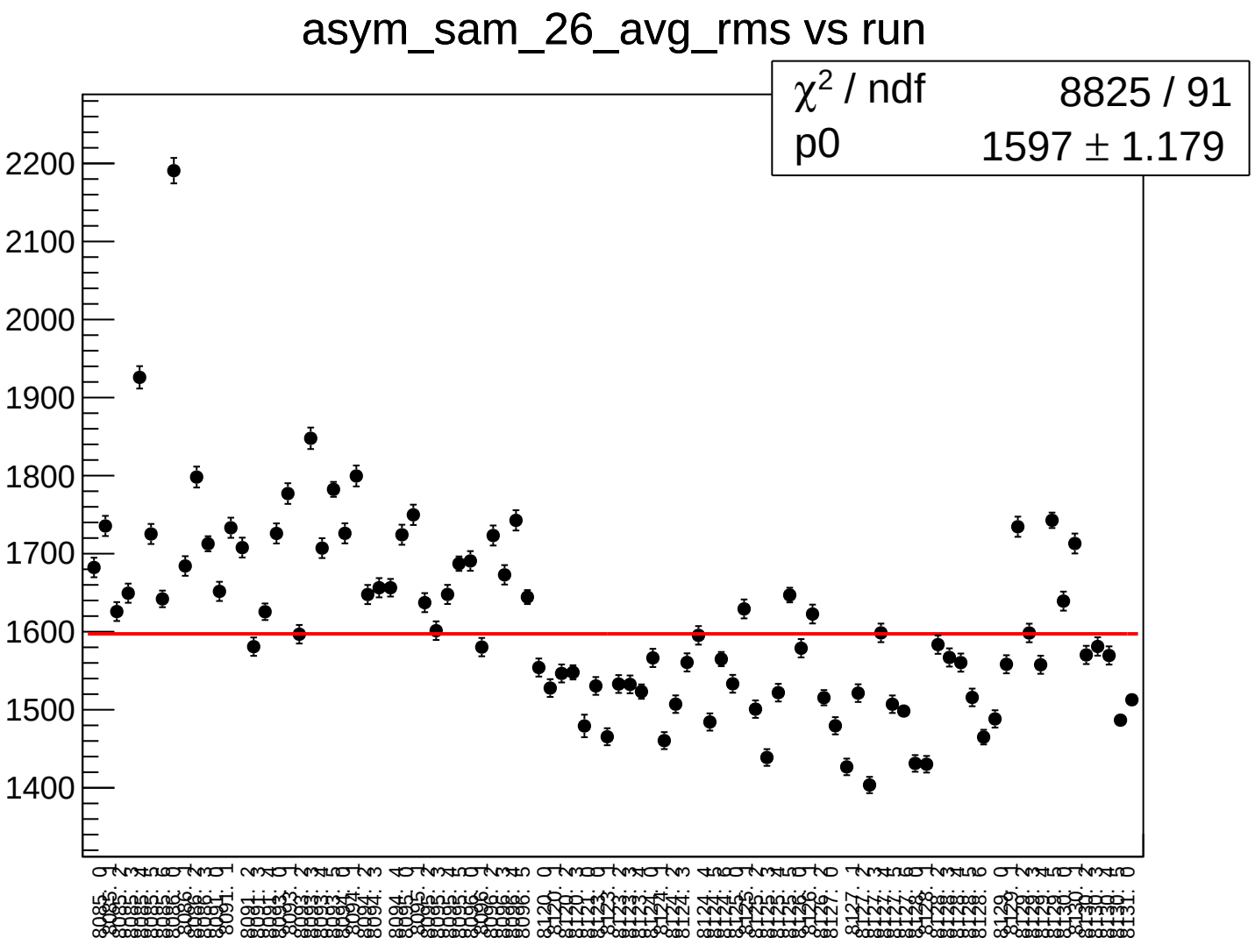

asym_sam_26_avg_correction_mean vs run
χ² / ndf 56.08 / 91
p0 −1842 ± 1660
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 912.5
Std Dev 843.8
1.5
1
0.5
0
−0.5
−1
−1.5

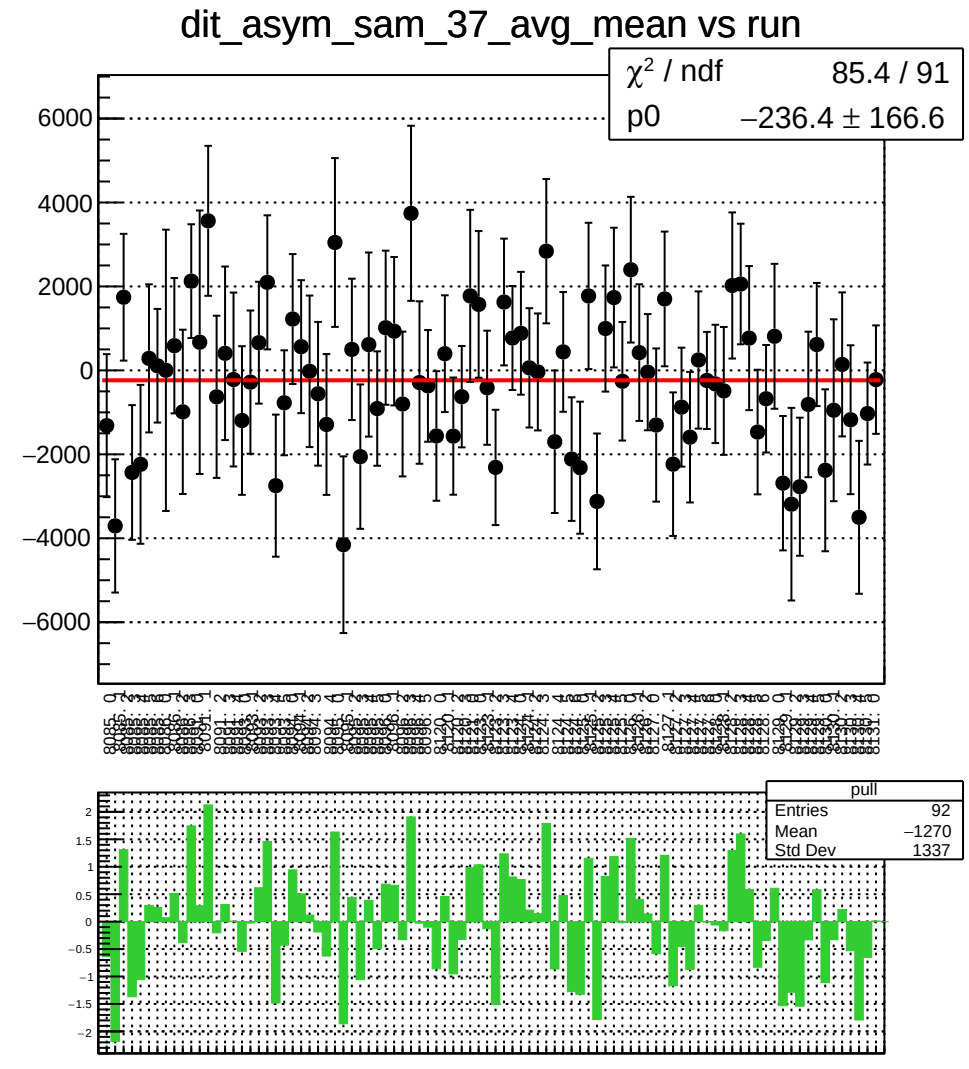

pull1D
Entries 92
Mean 0.001175
Std Dev 0.7808
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

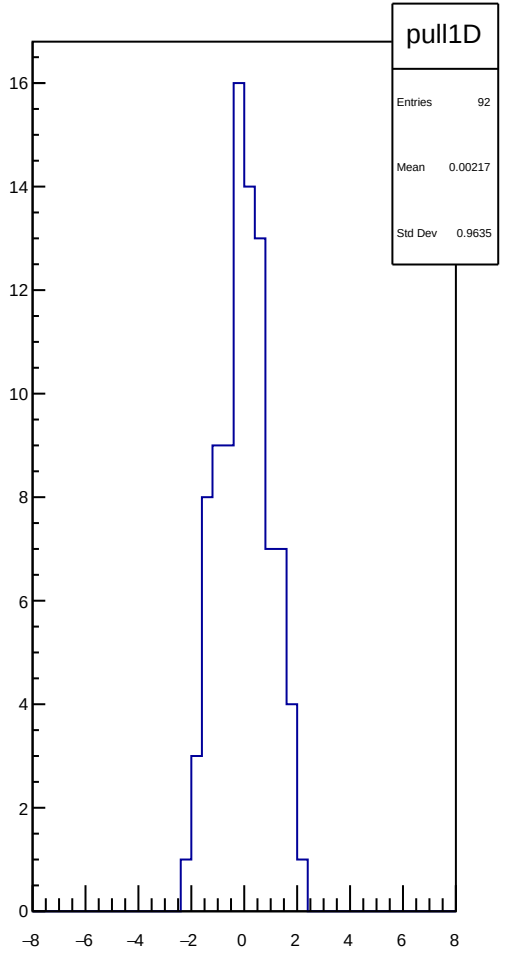

asym_sam_26_avg_correction_rms vs run
χ² / ndf 6504 / 91
p0 1590 ± 1.174
2100
2000
1900
1800
1700
1600
1500
1400

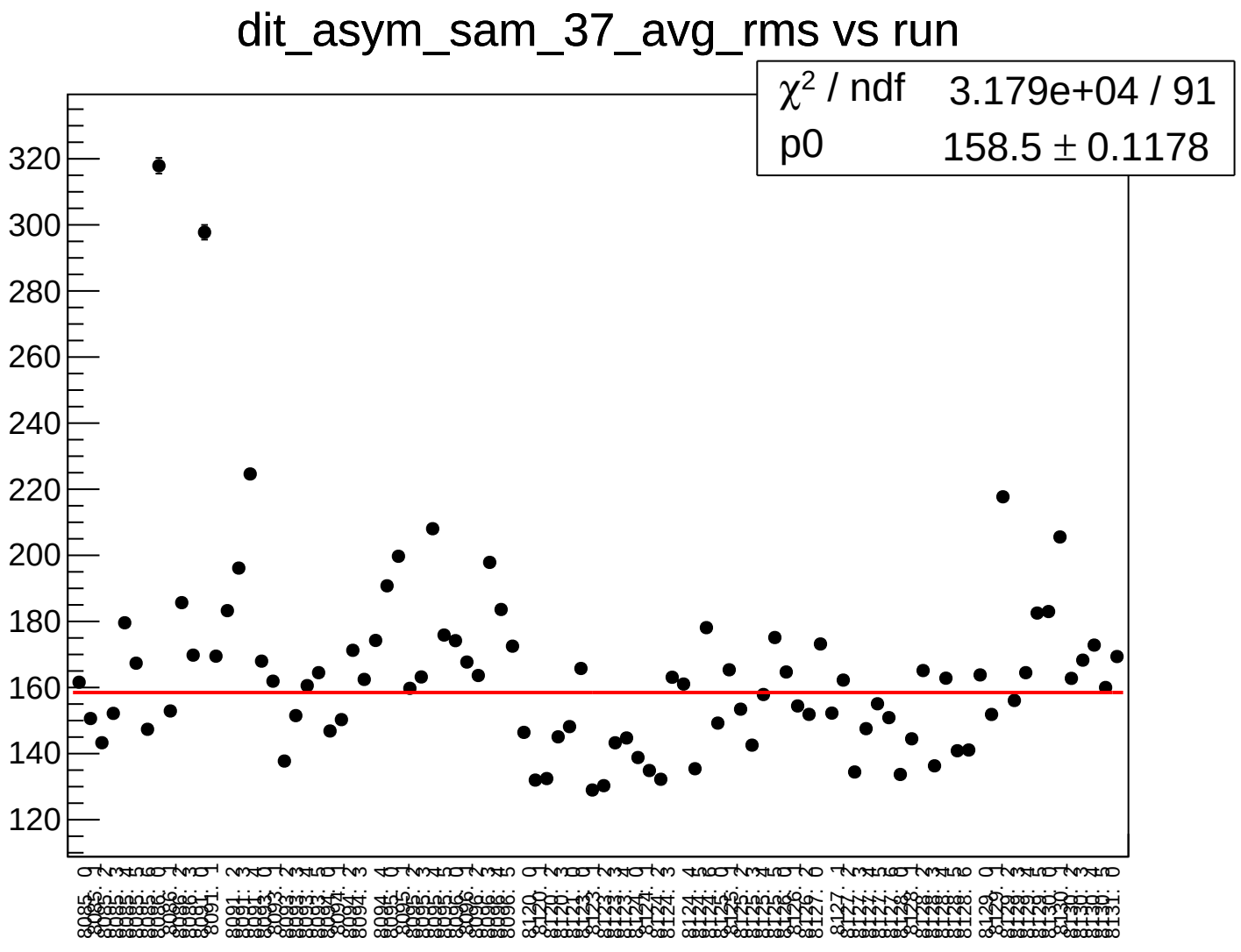

asym_sam_26_avg_mean vs run
χ² / ndf 56.57 / 91
p0 1548 ± 1668
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 1318
Std Dev 1252
1.5
1
0.5
0
−0.5
−1
−1.5

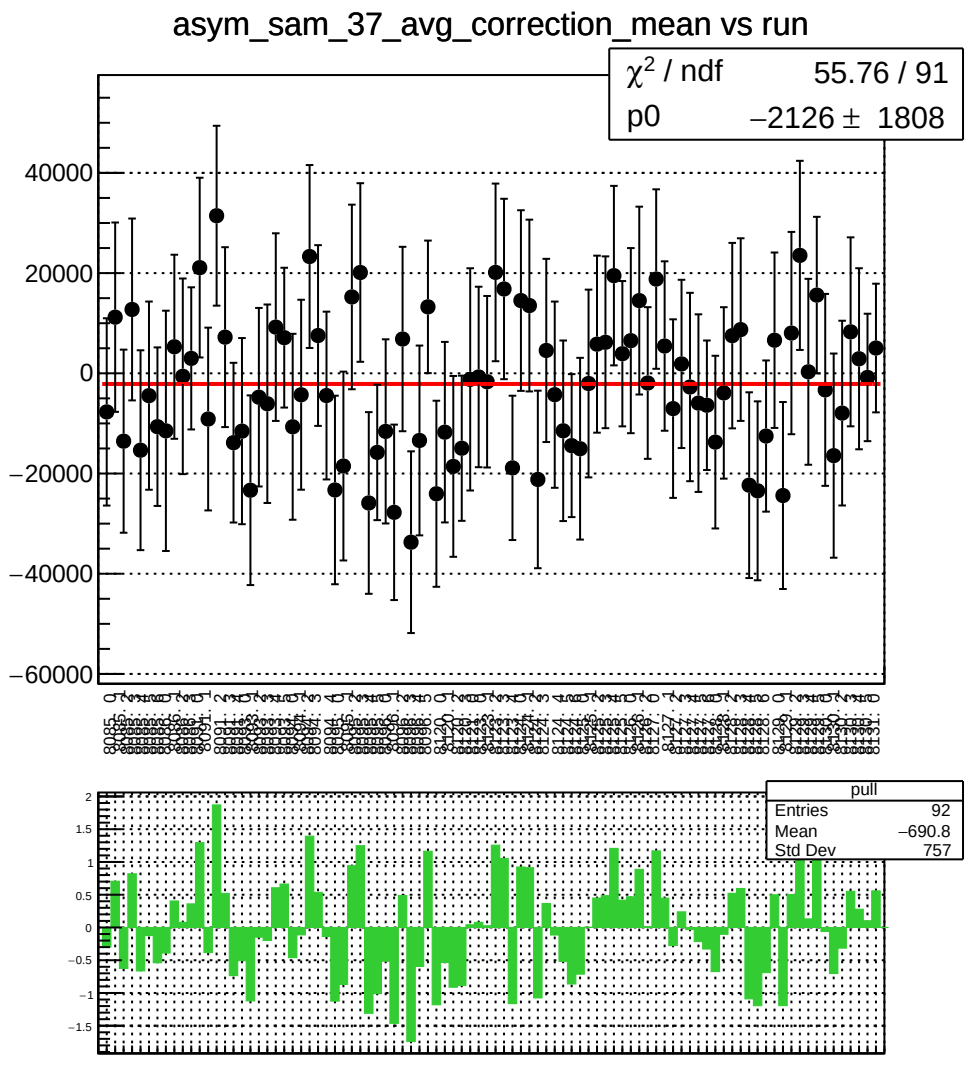

pull1D
Entries 92
Mean −0.001055
Std Dev 0.7842
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

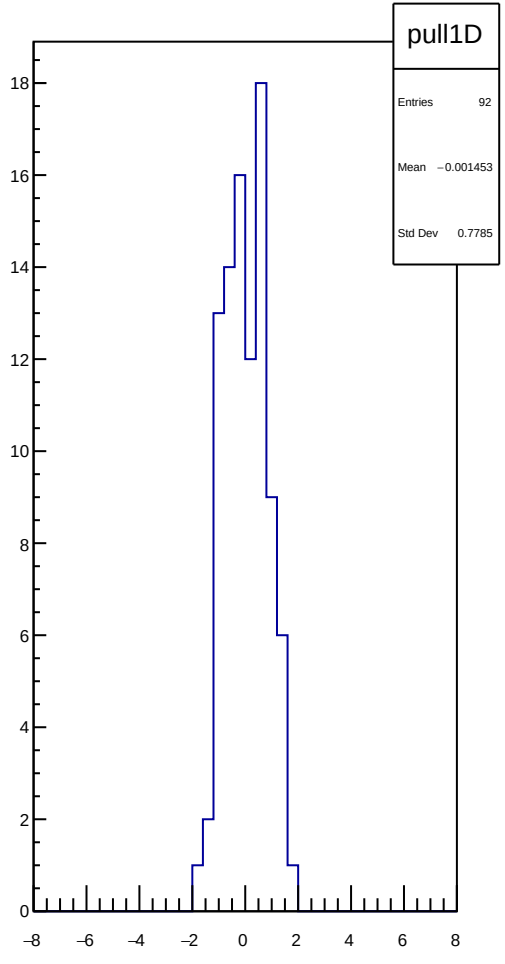

asym_sam_26_avg_rms vs run
χ² / ndf 8825 / 91
p0 1597 ± 1.179
2200
2100
2000
1900
1800
1700
1600
1500
1400

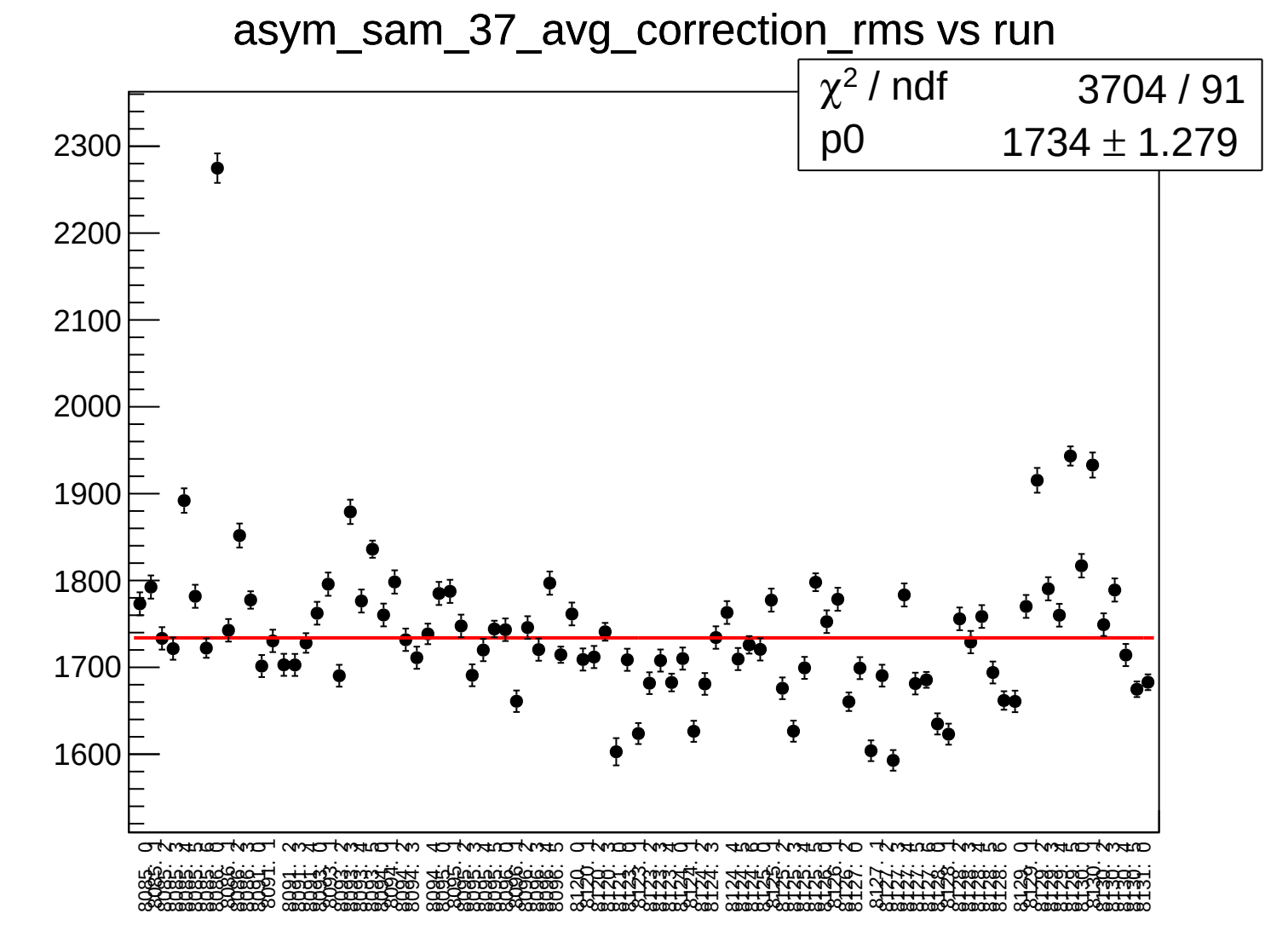

dit_asym_sam_37_avg_mean vs run
χ² / ndf 85.4 / 91
p0 −236.4 ± 166.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −1270
Std Dev 1337
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

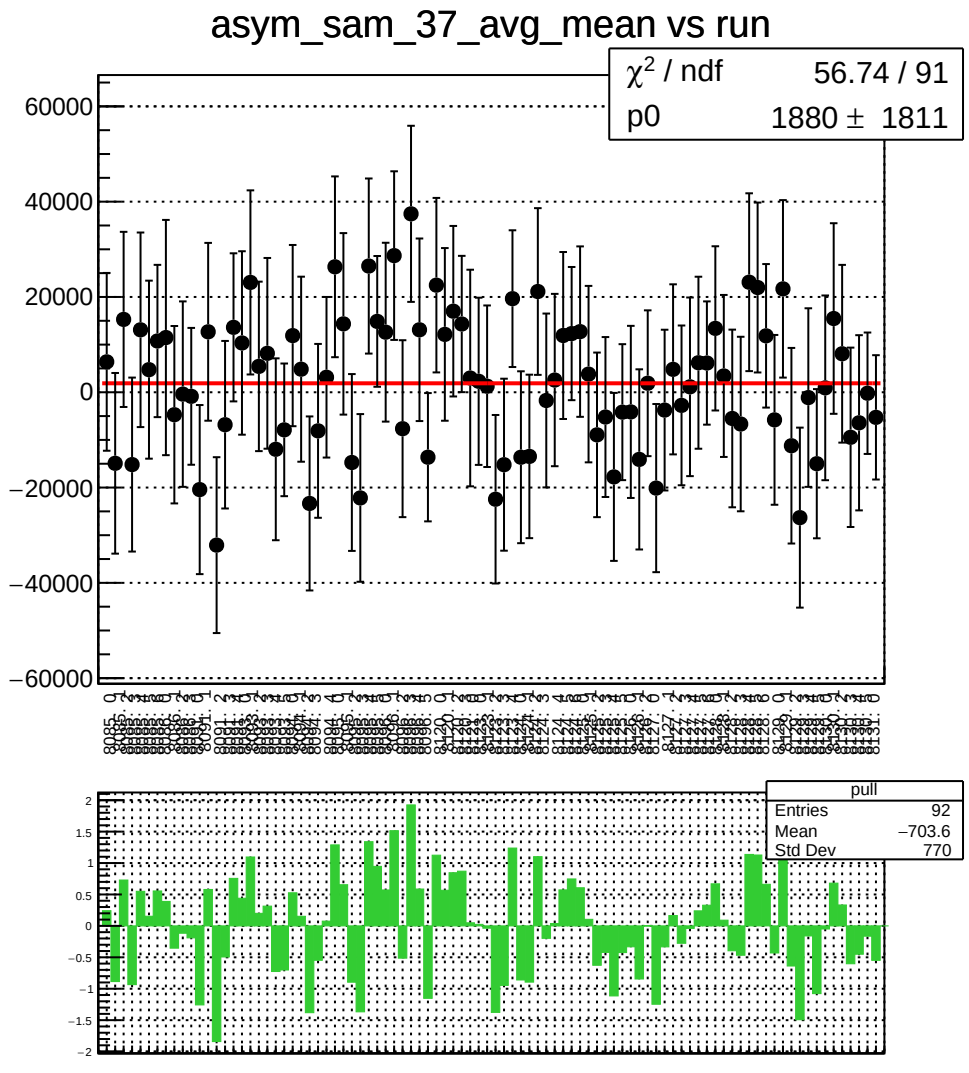

pull1D
Entries 92
Mean 0.00217
Std Dev 0.9635
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

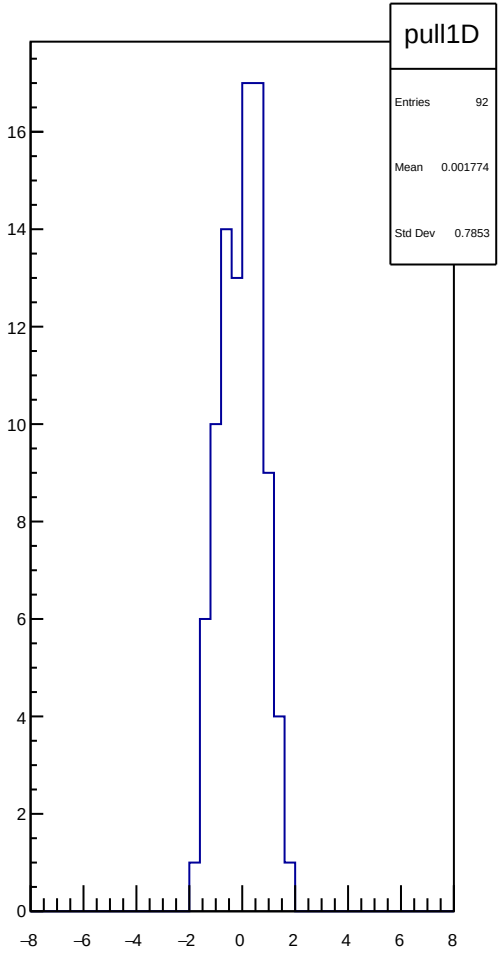

dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.179e+04 / 91
p0 158.5 ± 0.1178
320
300
280
260
240
220
200
180
160
140
120

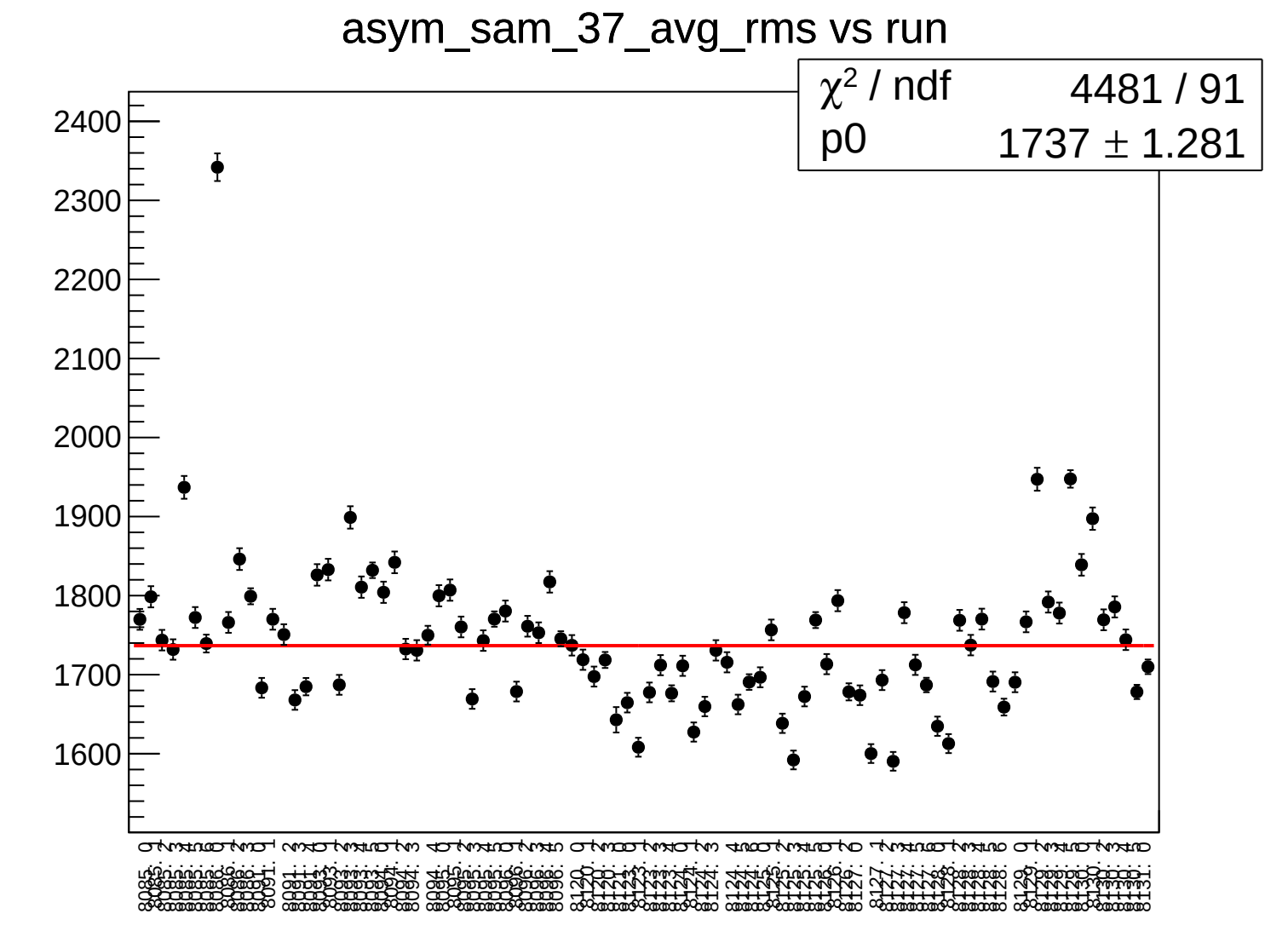

asym_sam_37_avg_correction_mean vs run
χ² / ndf 55.76 / 91
p0 −2126 ± 1808
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −690.8
Std Dev 757
2
1.5
1
0.5
0
−0.5
−1
−1.5

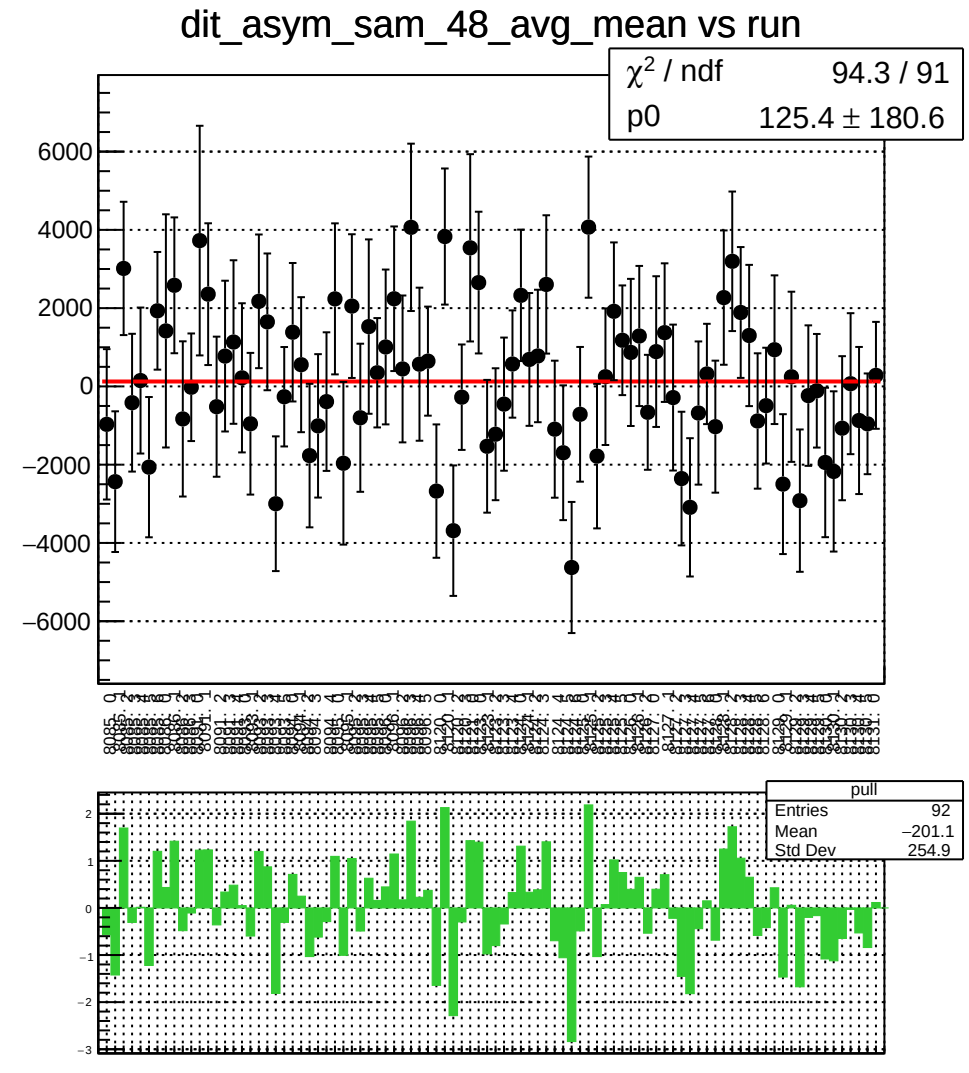

pull1D
Entries 92
Mean −0.001453
Std Dev 0.7785
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

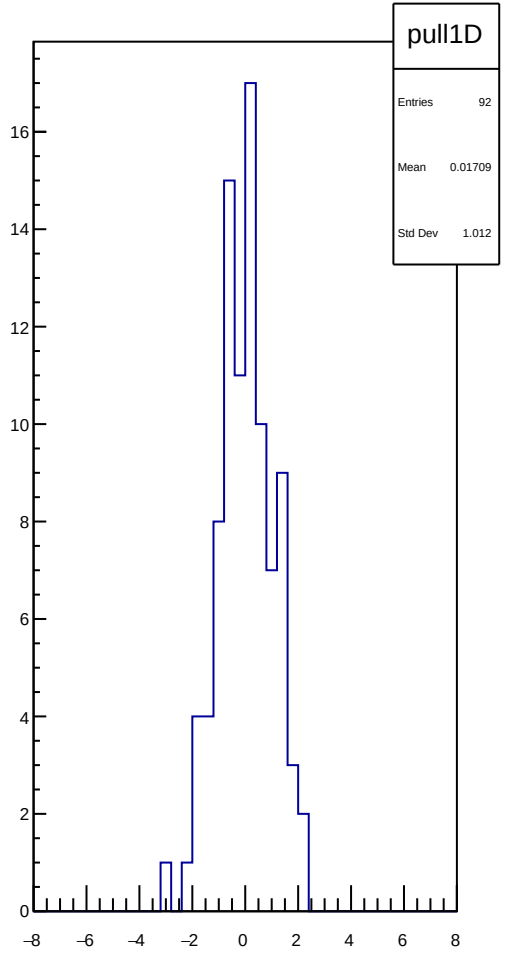

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3704 / 91
p0 1734 ± 1.279
2300
2200
2100
2000
1900
1800
1700
1600

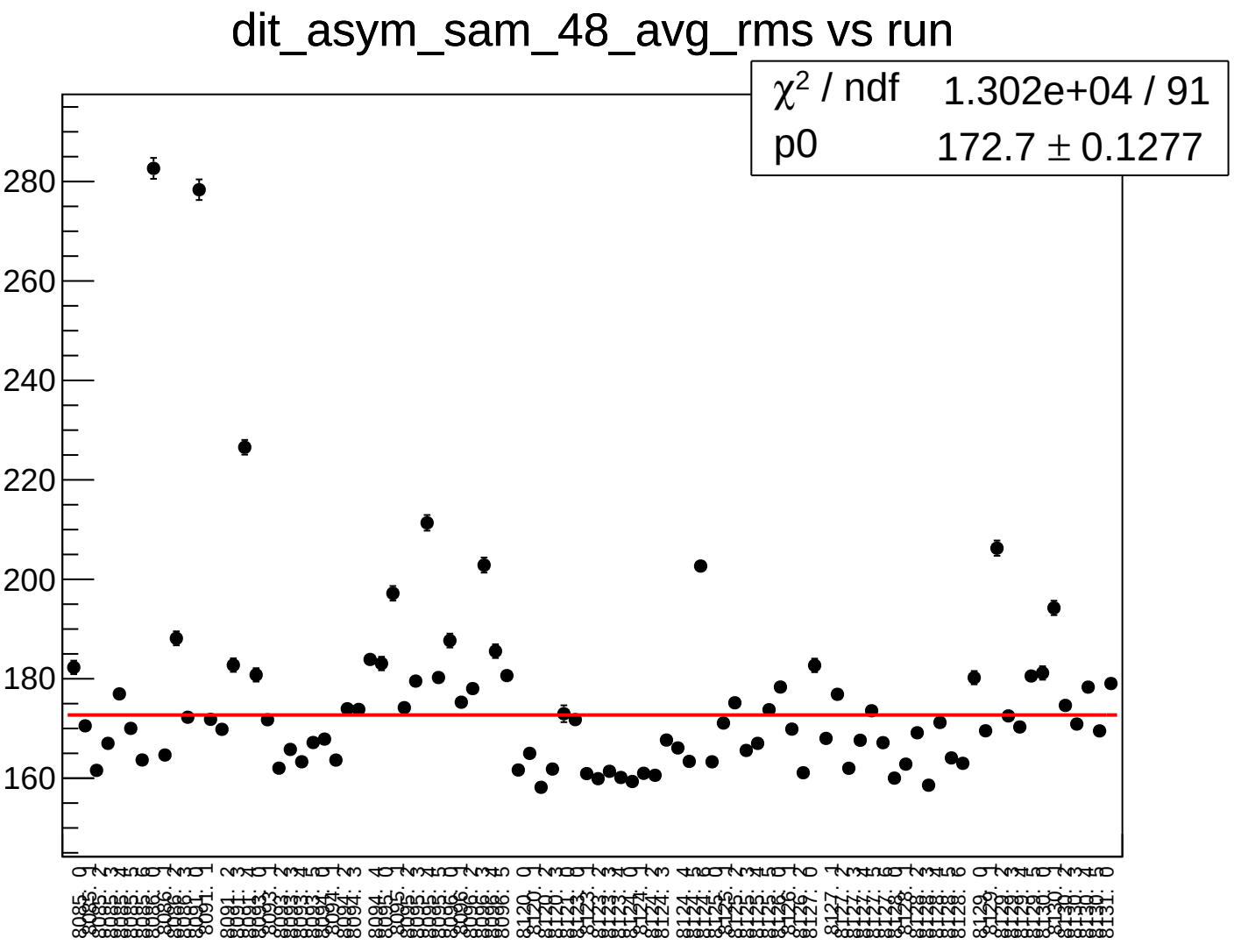

asym_sam_37_avg_mean vs run
χ² / ndf 56.74 / 91
p0 1880 ± 1811
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −703.6
Std Dev 770
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

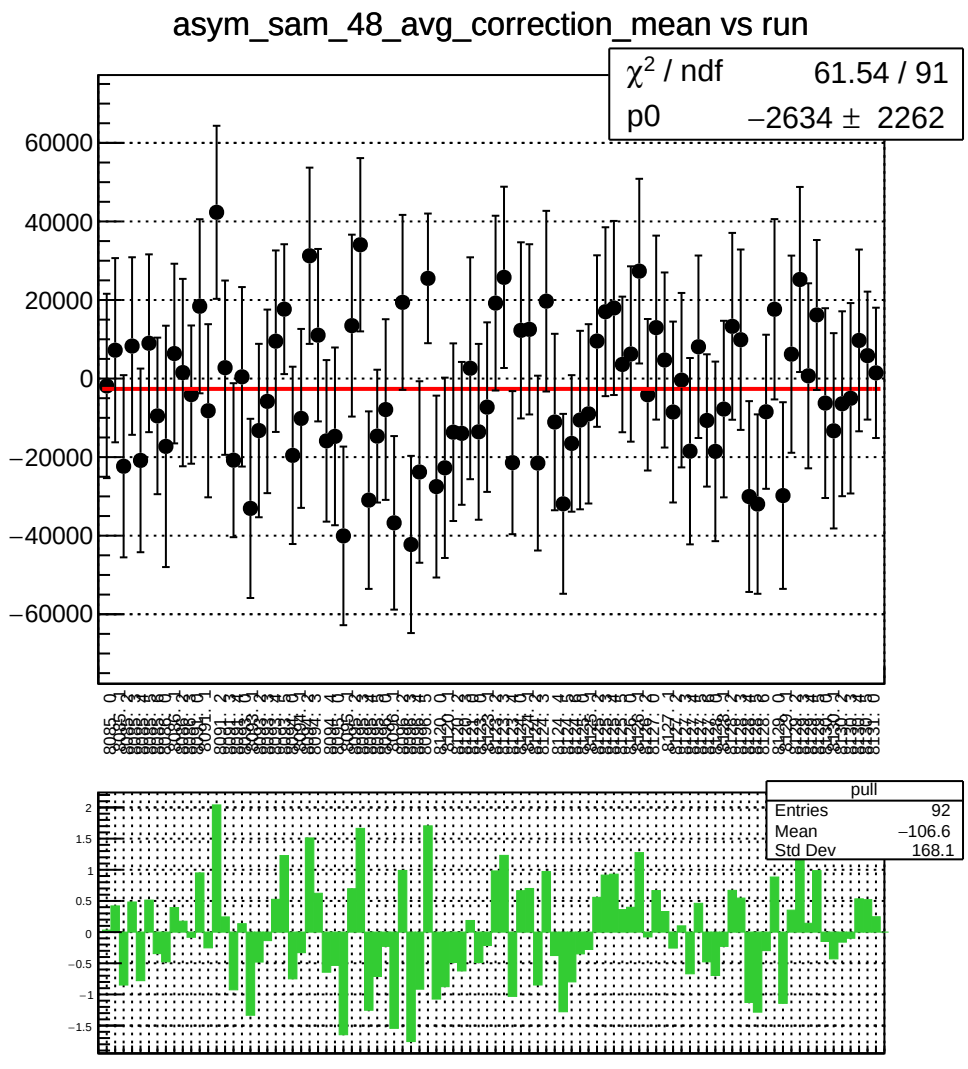

pull1D
Entries 92
Mean 0.001774
Std Dev 0.7853
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

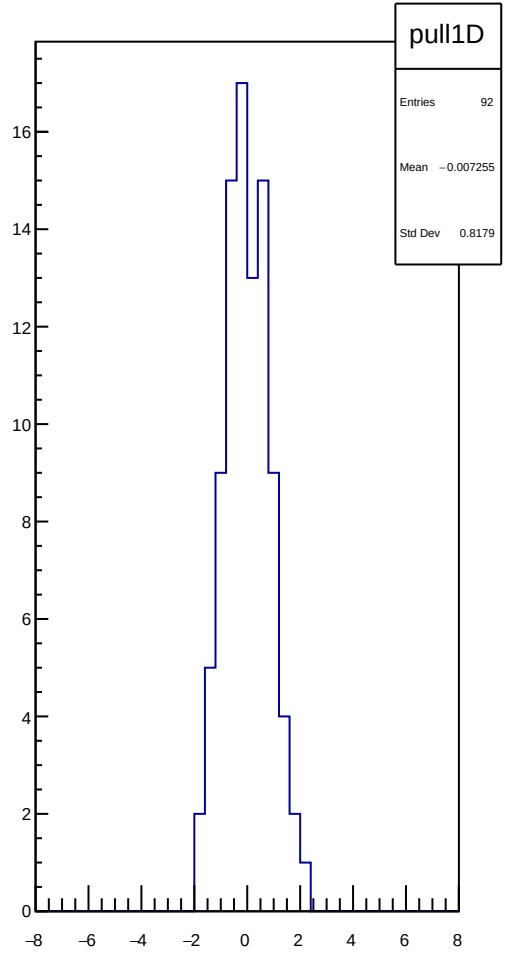

asym_sam_37_avg_rms vs run
χ² / ndf 4481 / 91
p0 1737 ± 1.281
2400
2300
2200
2100
2000
1900
1800
1700
1600

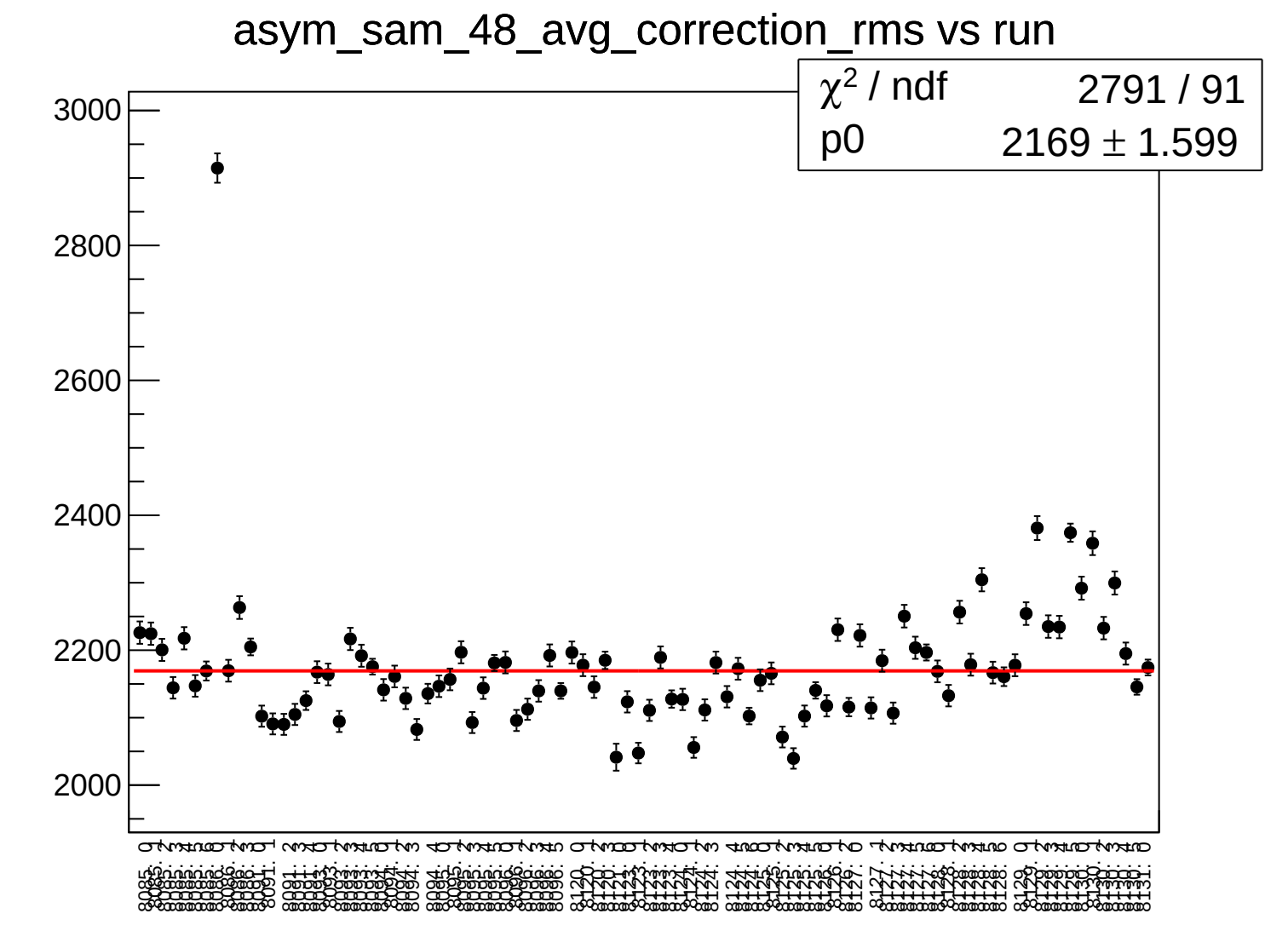

dit_asym_sam_48_avg_mean vs run
χ² / ndf 94.3 / 91
p0 125.4 ± 180.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −201.1
Std Dev 254.9
2
1
0
−1
−2
−3

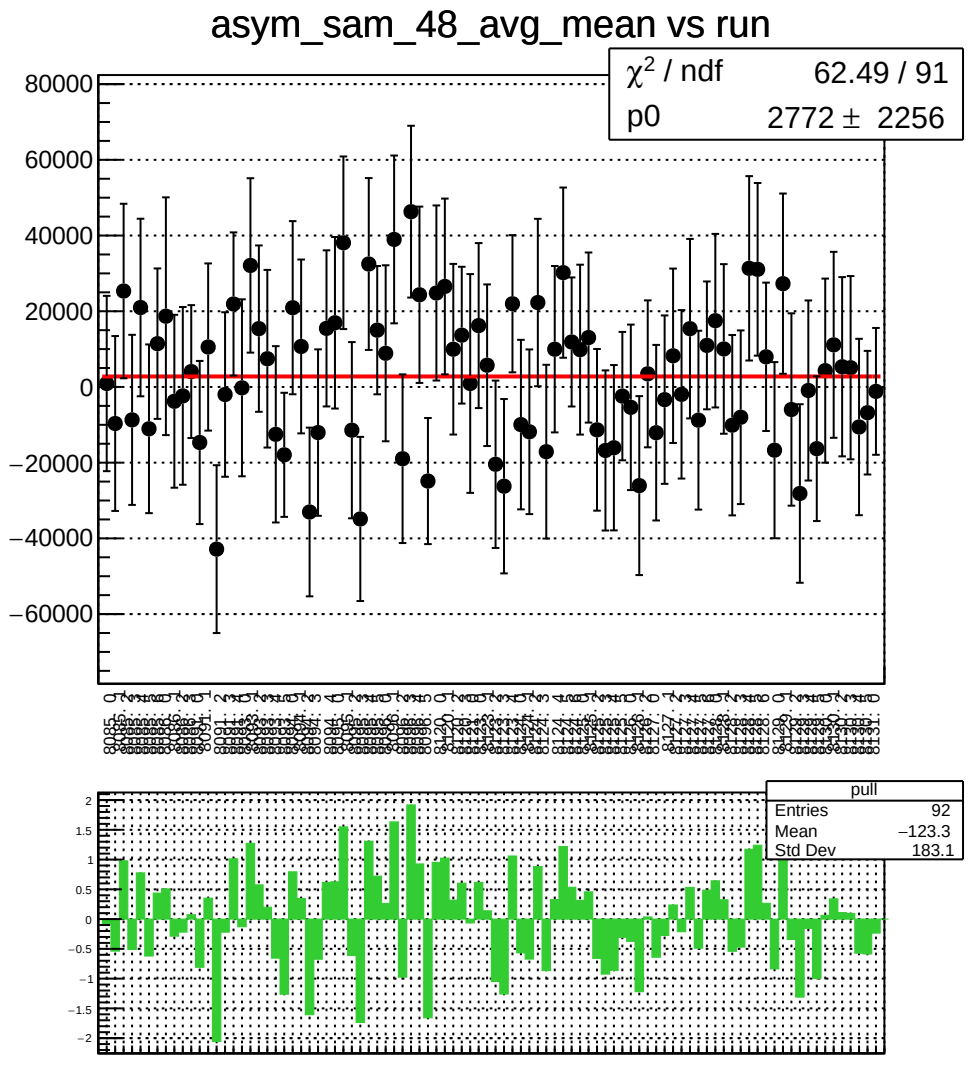

pull1D
Entries 92
Mean 0.01709
Std Dev 1.012
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

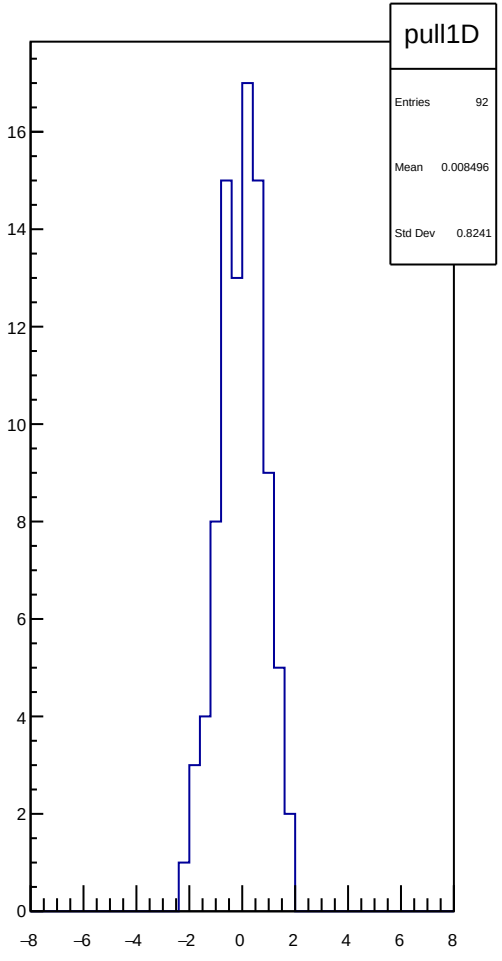

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.302e+04 / 91
p0 172.7 ± 0.1277
280
260
240
220
200
180
160

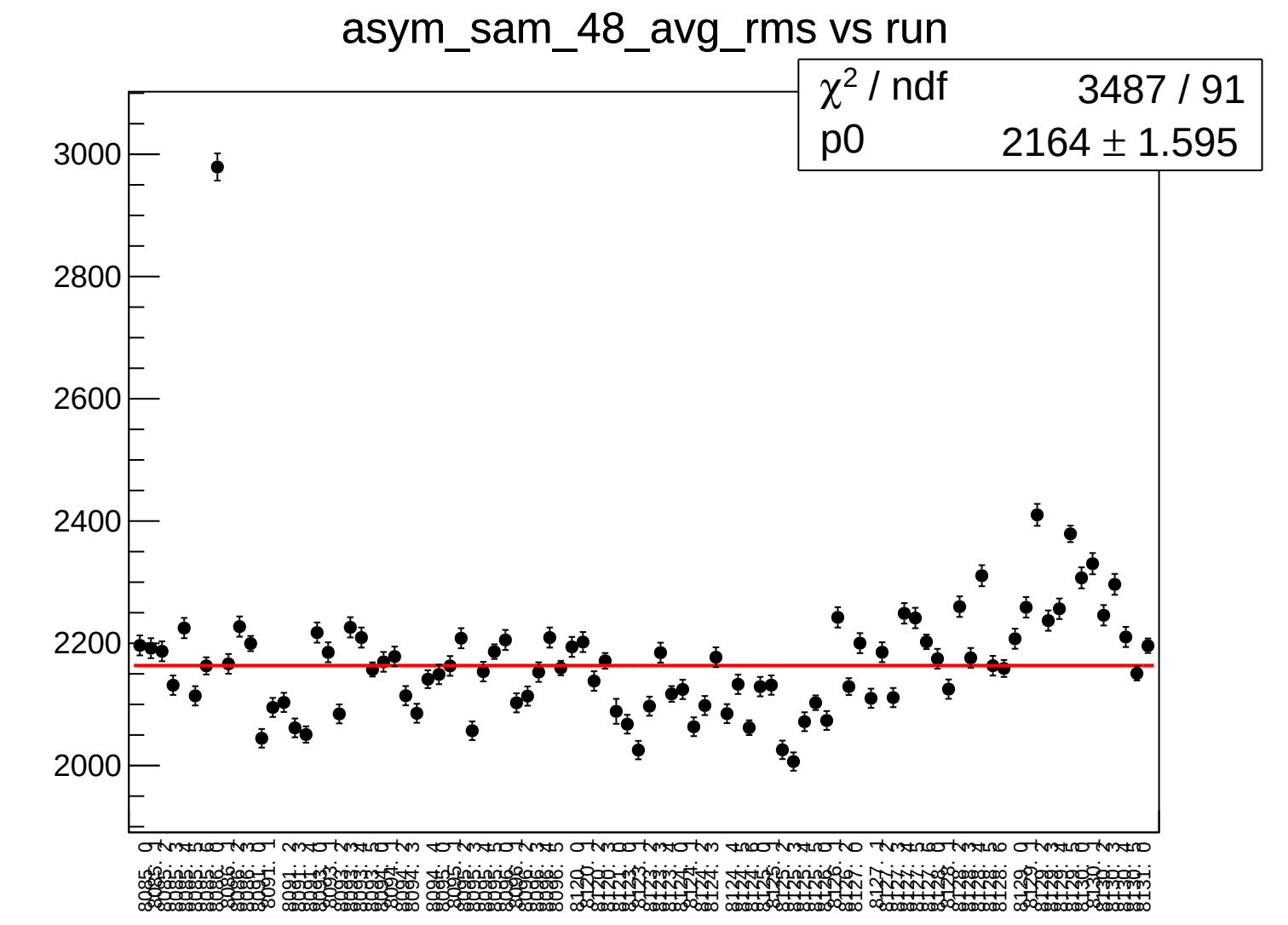

asym_sam_48_avg_correction_mean vs run
χ² / ndf 61.54 / 91
p0 −2634 ± 2262
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −106.6
Std Dev 168.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

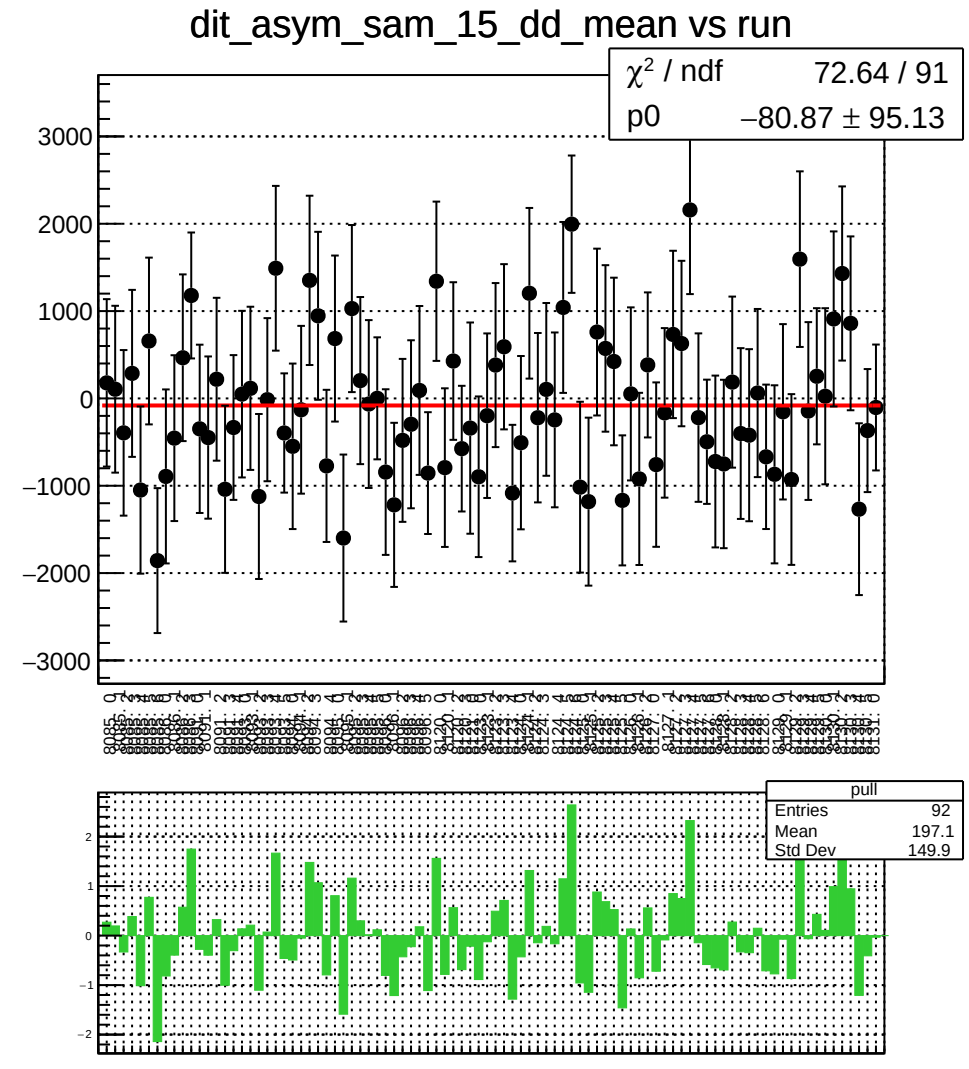

pull1D
Entries 92
Mean −0.007255
Std Dev 0.8179
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

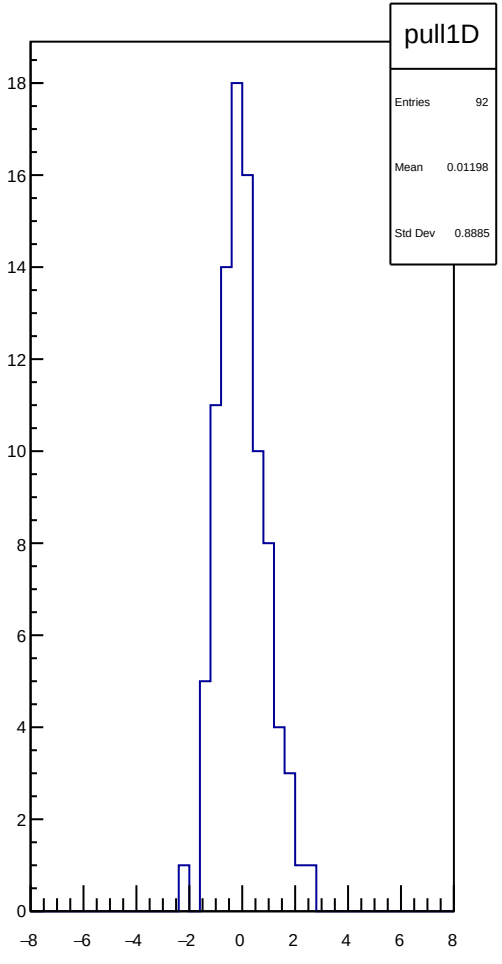

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2791 / 91
p0 2169 ± 1.599
3000
2800
2600
2400
2200
2000

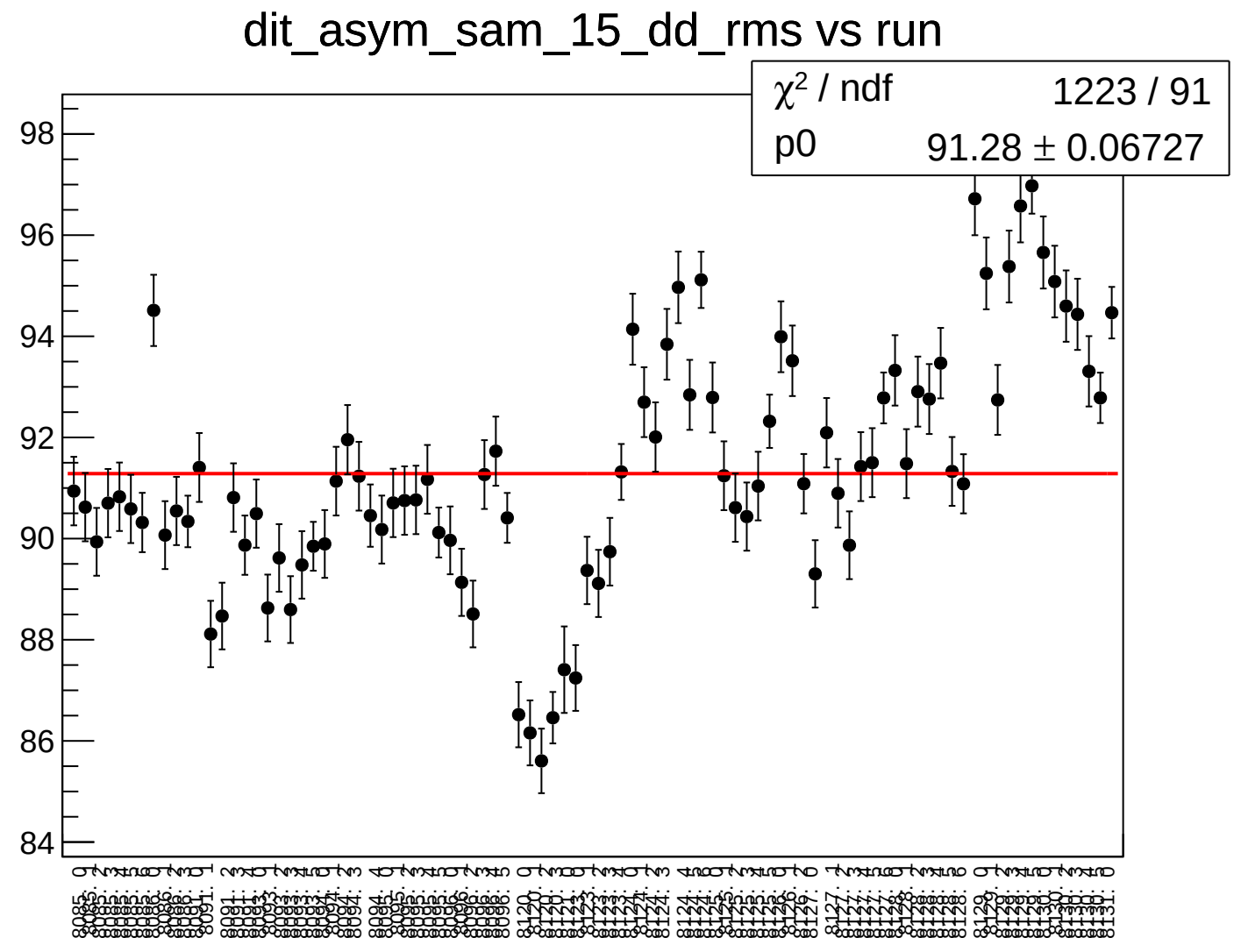

asym_sam_48_avg_mean vs run
χ² / ndf 62.49 / 91
p0 2772 ± 2256
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −123.3
Std Dev 183.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

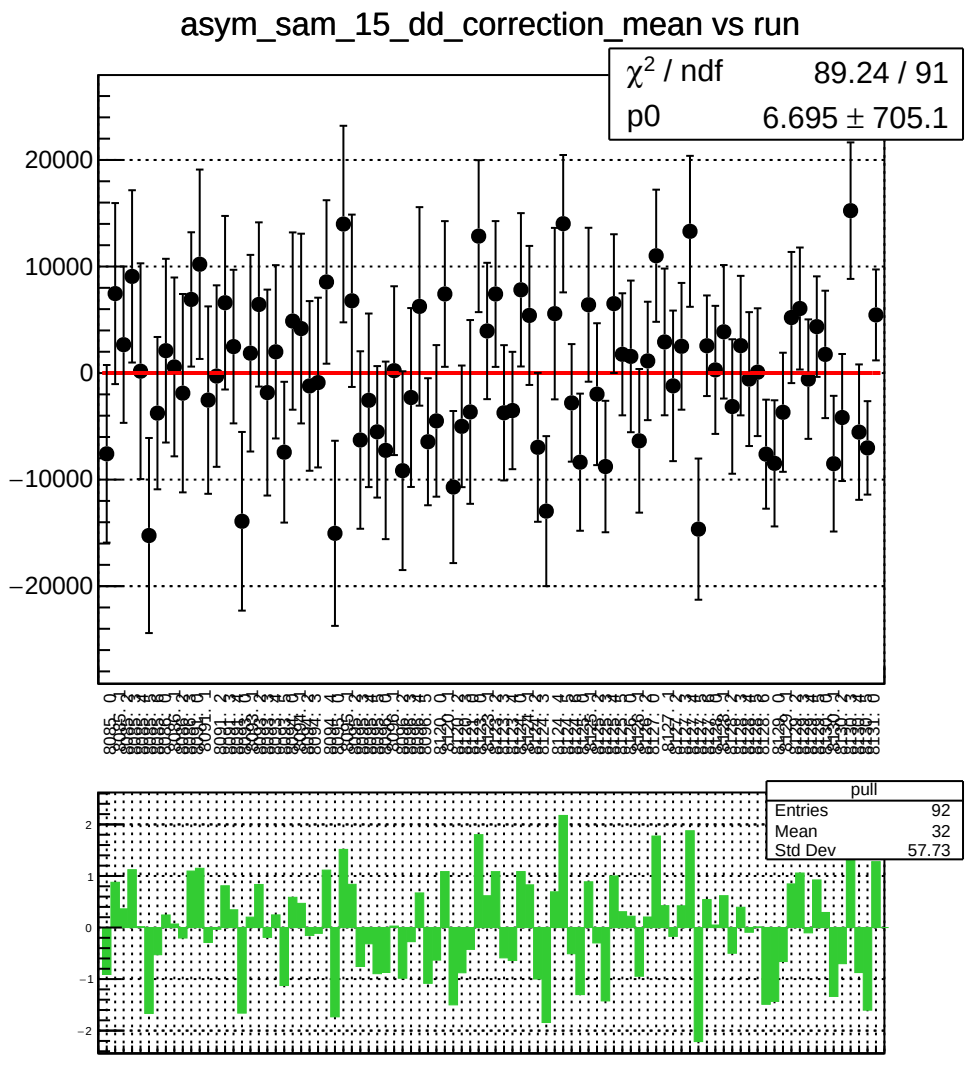

pull1D
Entries 92
Mean 0.008496
Std Dev 0.8241
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

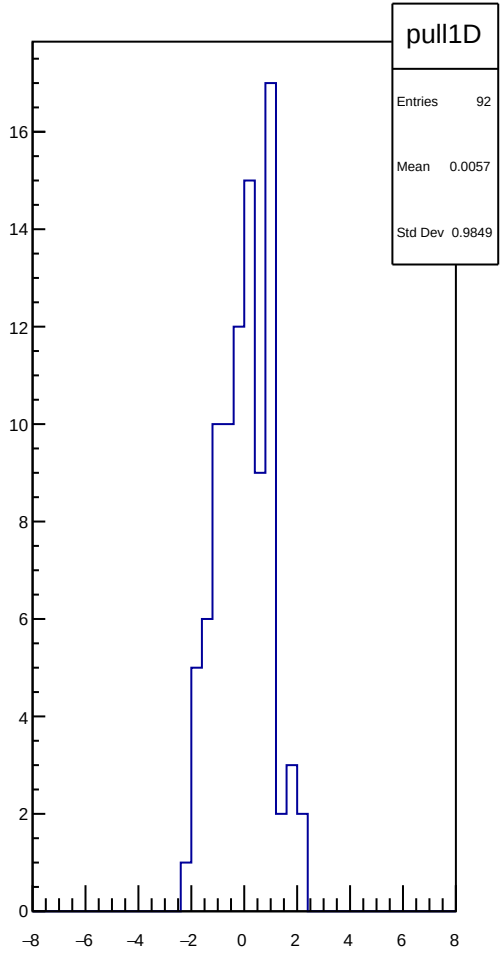

asym_sam_48_avg_rms vs run
χ^2 / ndf 3487 / 91
p0 2164 ± 1.595
3000
2800
2600
2400
2200
2000

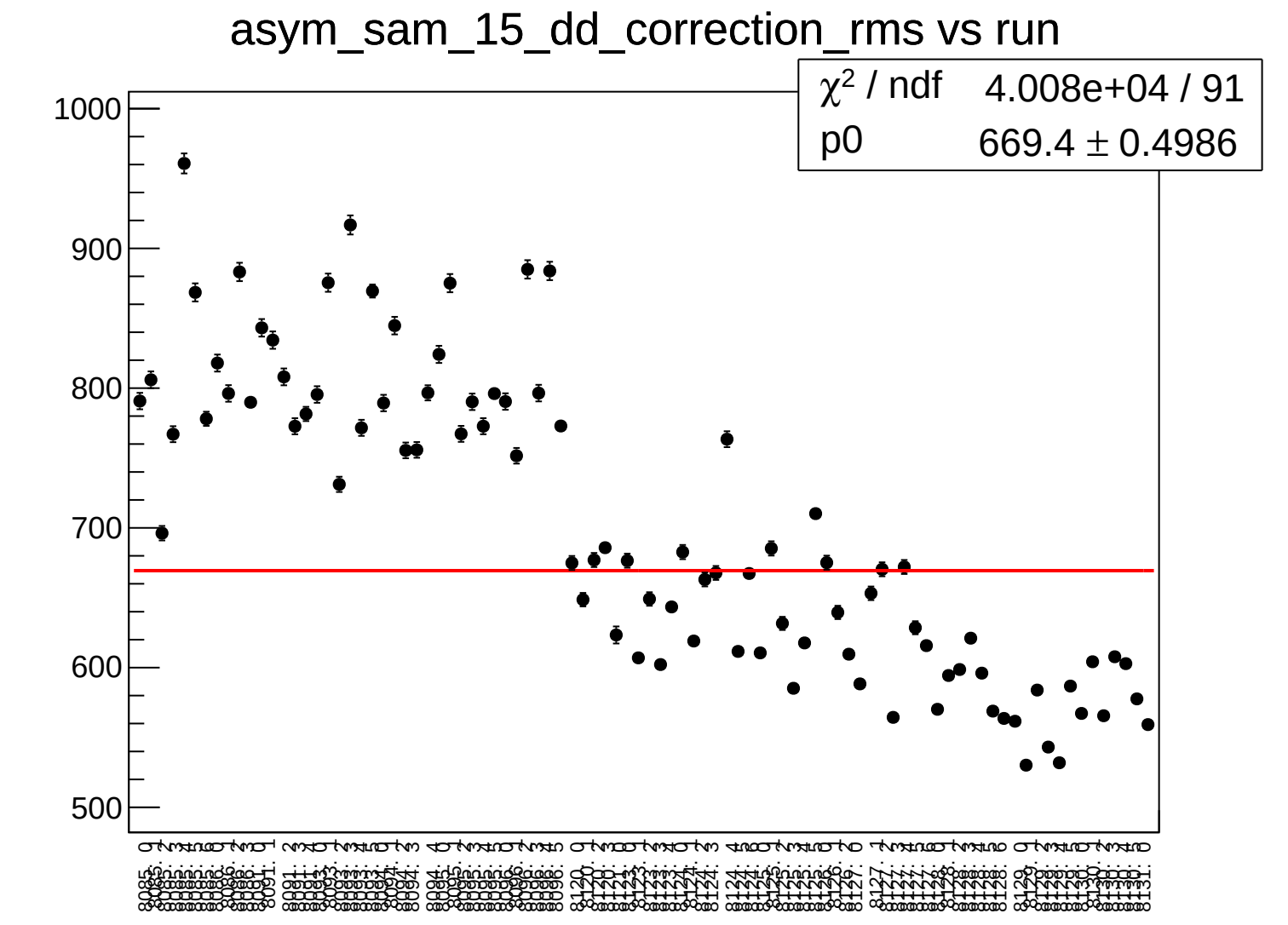

dit_asym_sam_15_dd_mean vs run
χ² / ndf 72.64 / 91
p0 −80.87 ± 95.13
pull
Entries 92
Mean 197.1
Std Dev 149.9

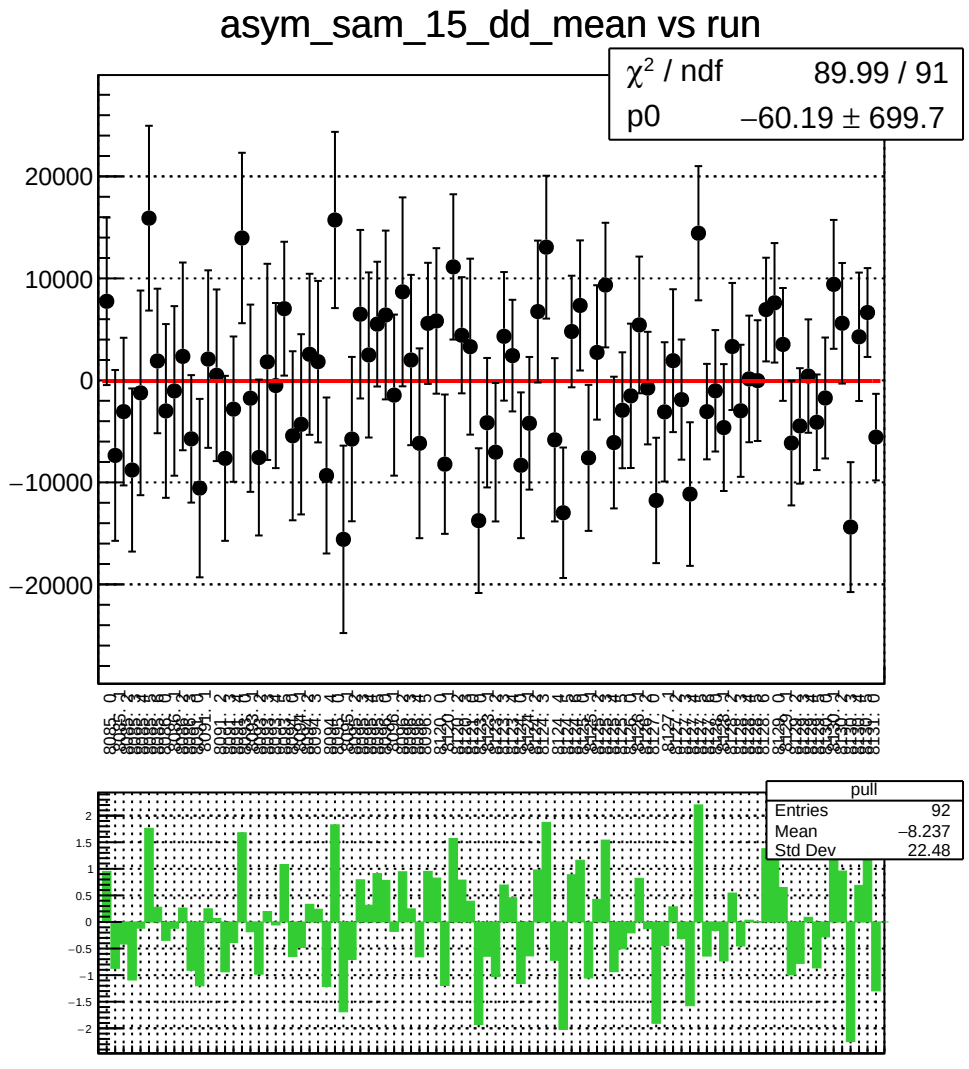

pull1D
Entries 92
Mean 0.01198
Std Dev 0.8885

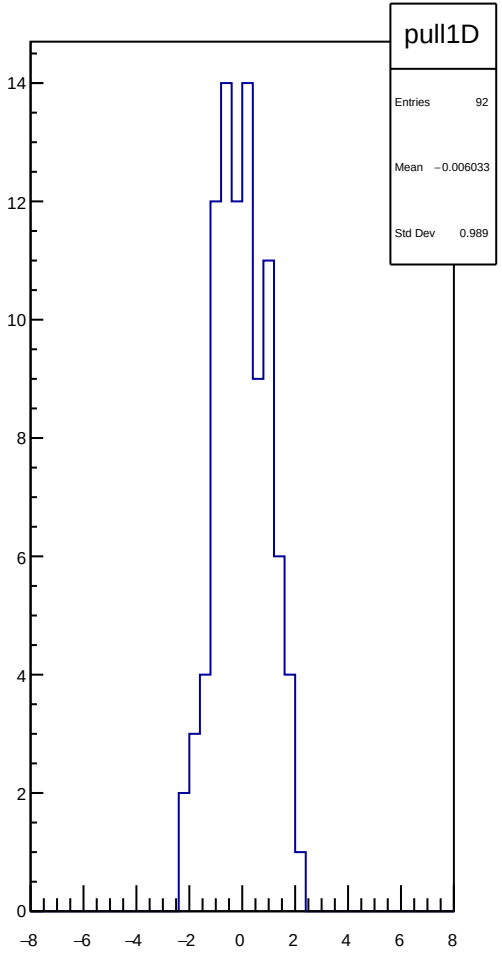

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1223 / 91
p0 91.28 ± 0.06727
98
96
94
92
90
88
86
84

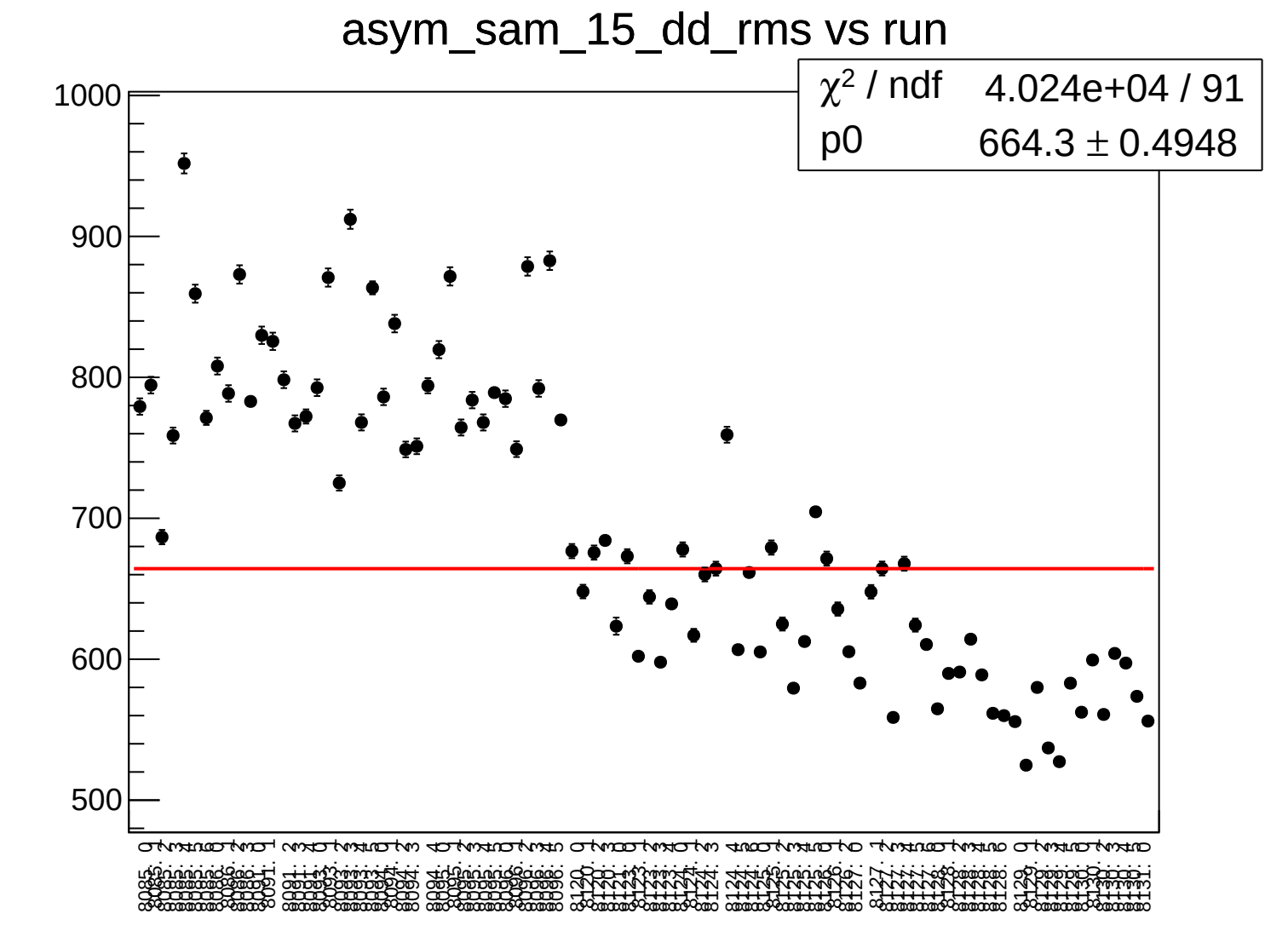

asym_sam_15_dd_correction_mean vs run
χ² / ndf 89.24 / 91
p0 6.695 ± 705.1
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 32
Std Dev 57.73
2
1
0
−1
−2

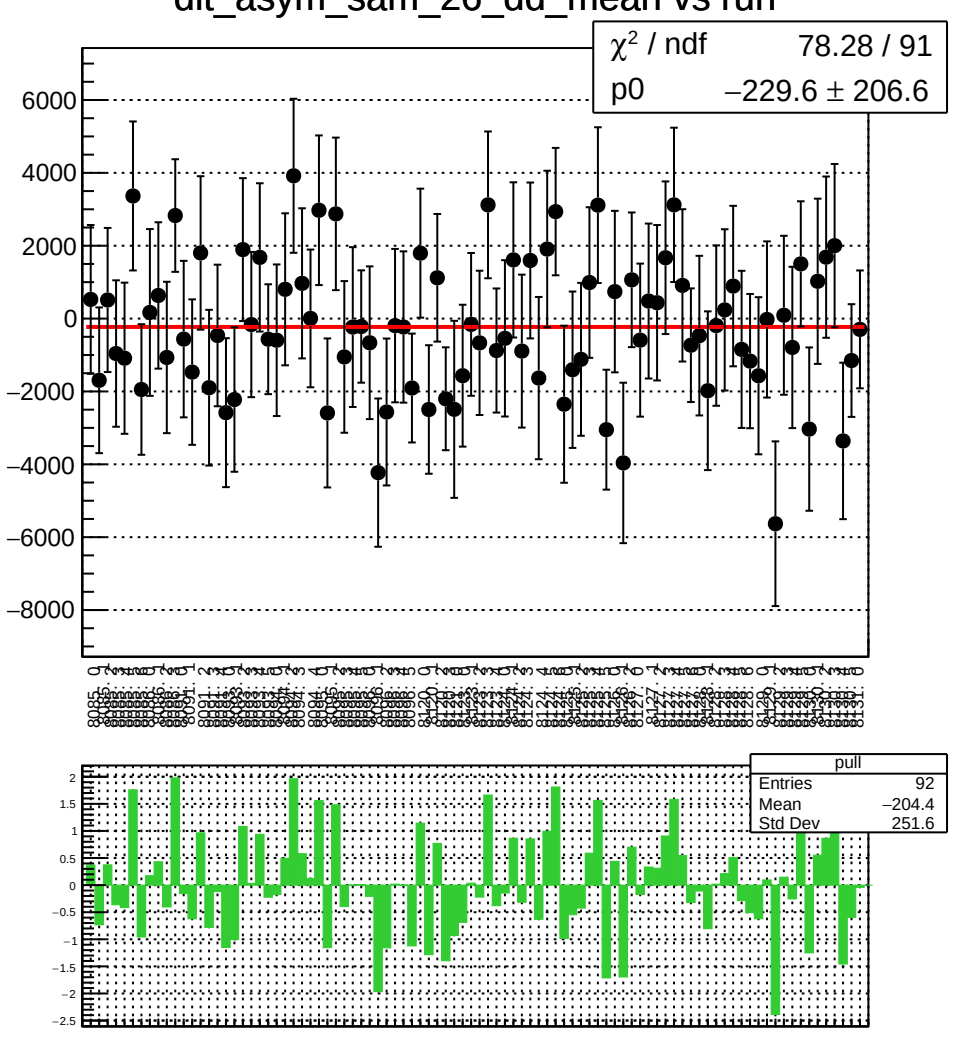

pull1D
Entries 92
Mean 0.0057
Std Dev 0.9849
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

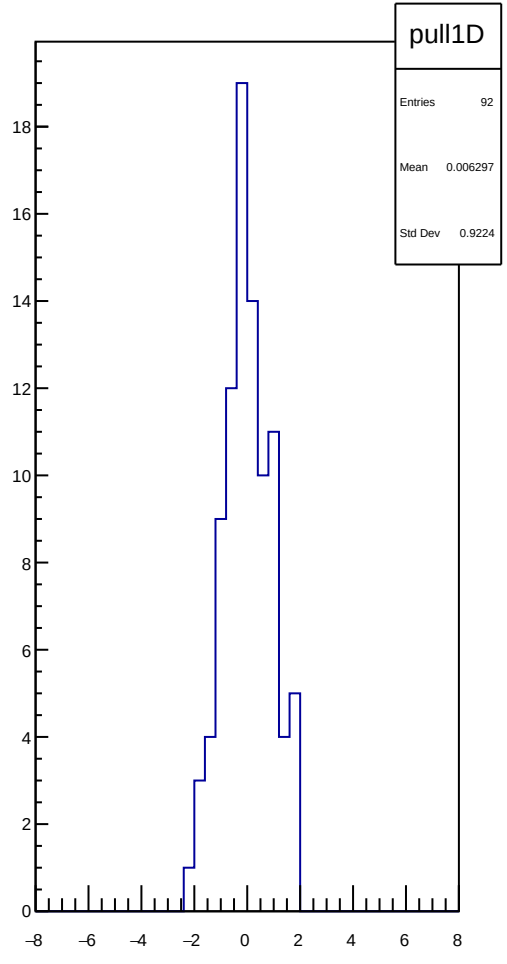

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4.008e+04 / 91
p0 669.4 ± 0.4986
1000
900
800
700
600
500

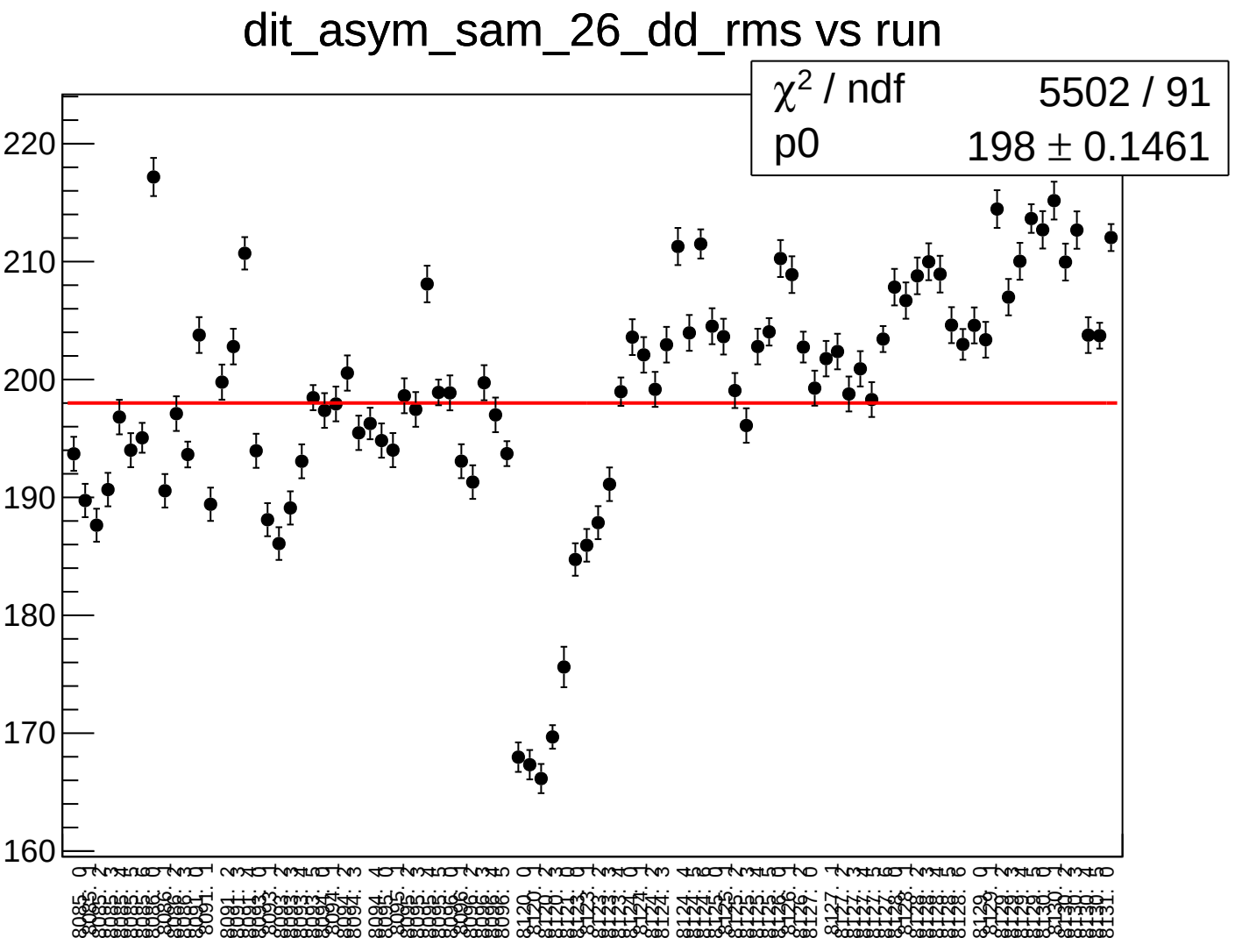

asym_sam_15_dd_mean vs run
χ² / ndf 89.99 / 91
p0 −60.19 ± 699.7
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −8.237
Std Dev 22.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

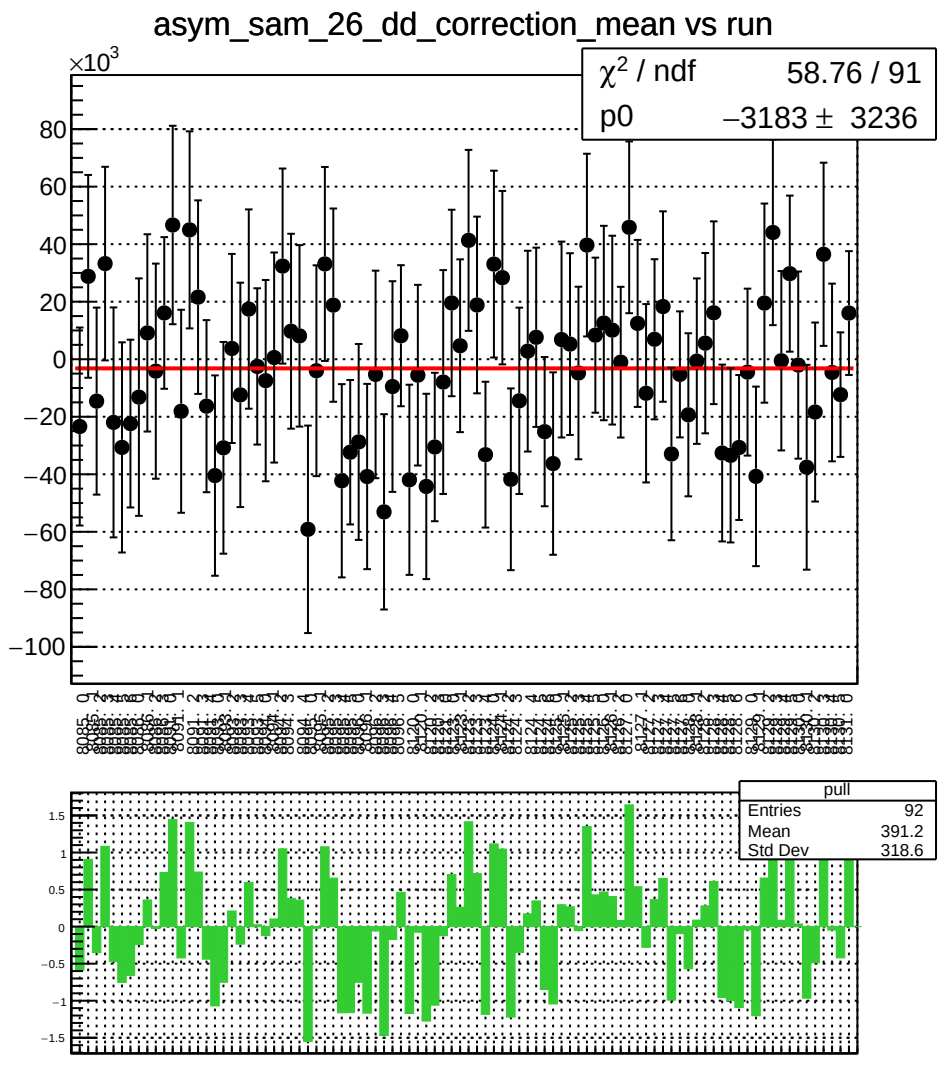

pull1D
Entries 92
Mean −0.006033
Std Dev 0.989
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

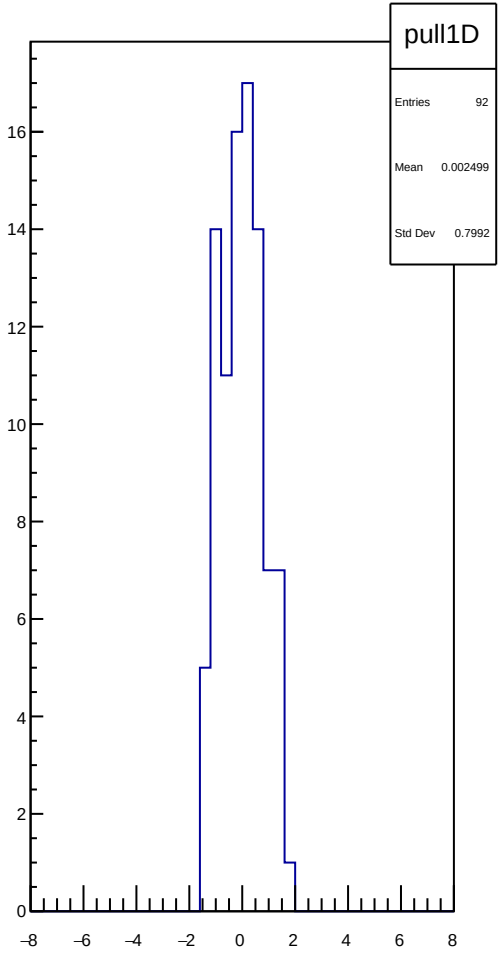

asym_sam_15_dd_rms vs run
χ² / ndf 4.024e+04 / 91
p0 664.3 ± 0.4948
1000
900
800
700
600
500

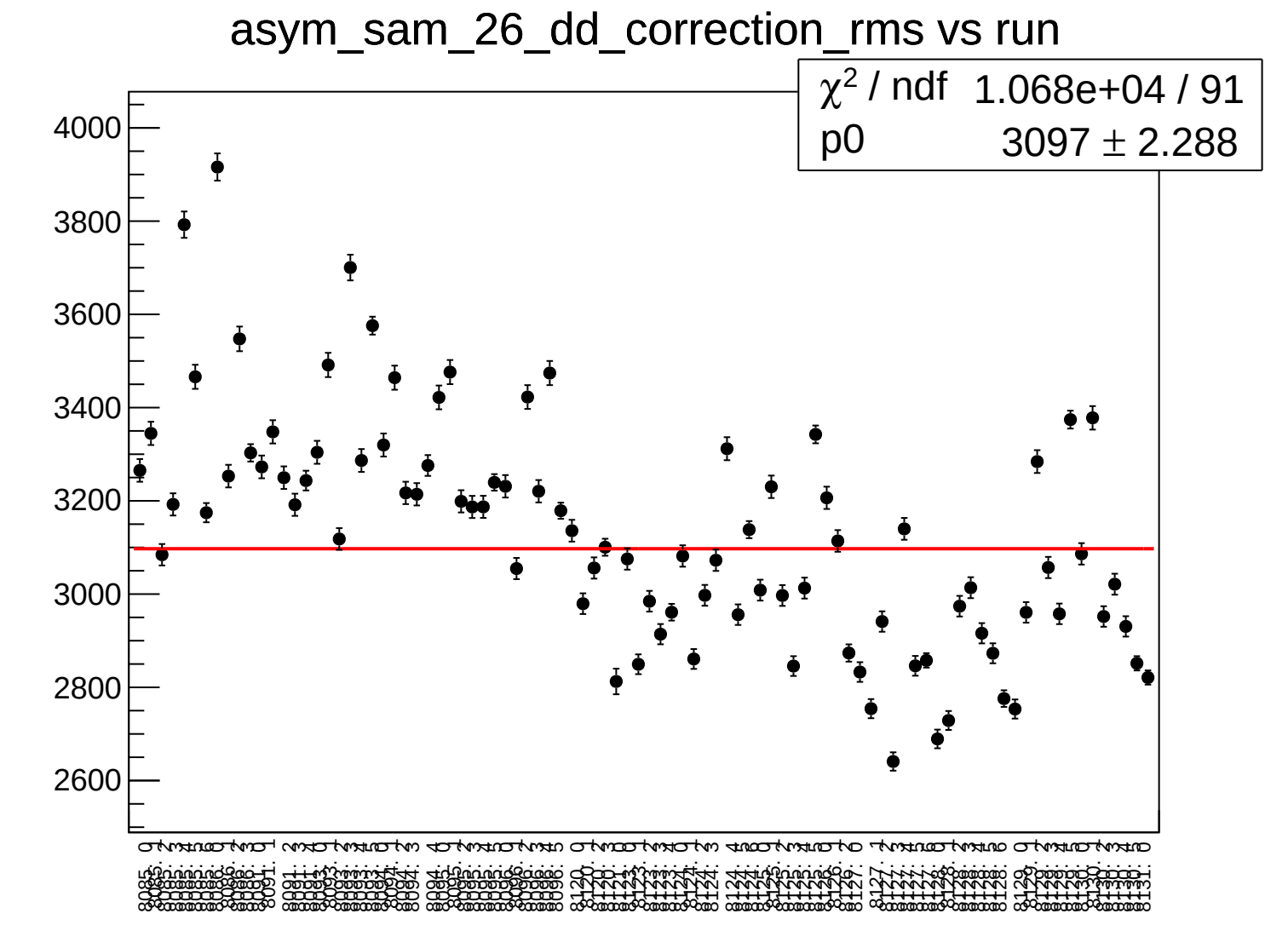

dit_asym_sam_26_dd_mean vs run
χ² / ndf 78.28 / 91
p0 −229.6 ± 206.6
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean −204.4
Std Dev 251.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

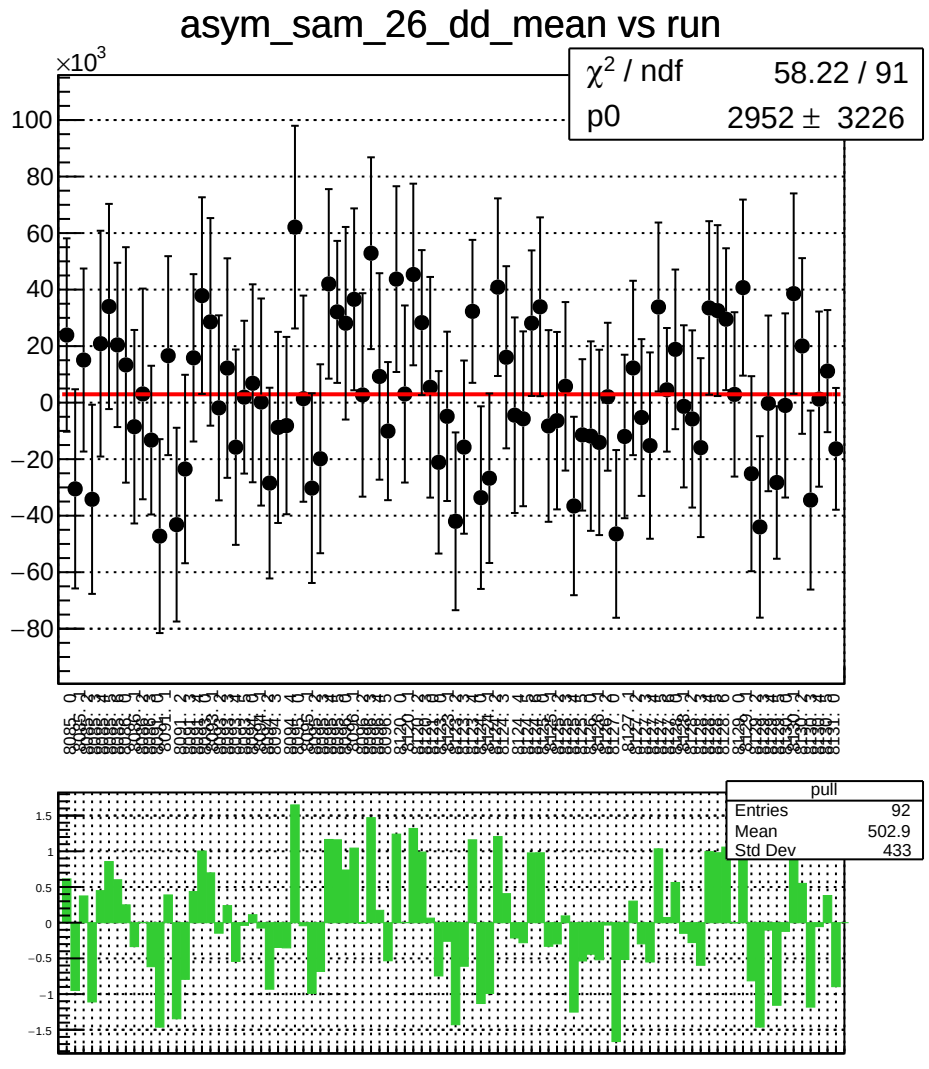

pull1D
Entries 92
Mean 0.006297
Std Dev 0.9224
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

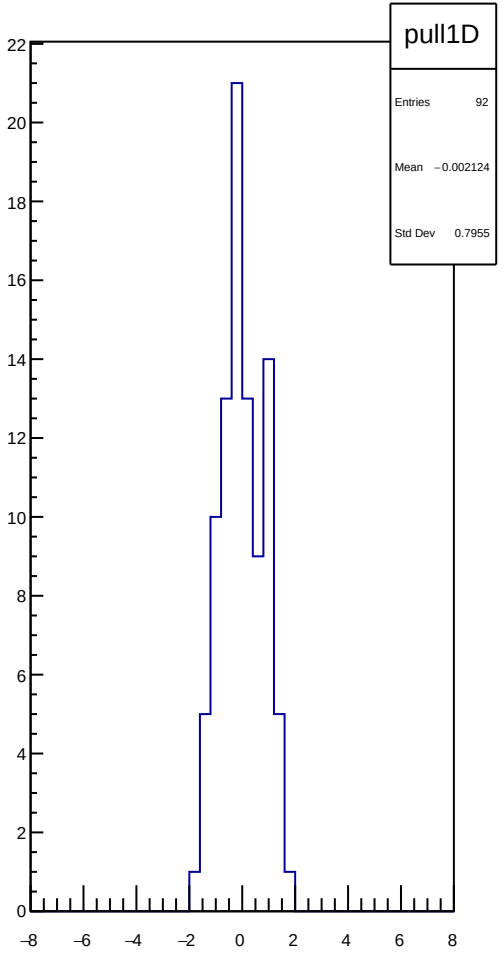

dit_asym_sam_26_dd_rms vs run
χ² / ndf 5502 / 91
p0 198 ± 0.1461
220
210
200
190
180
170
160

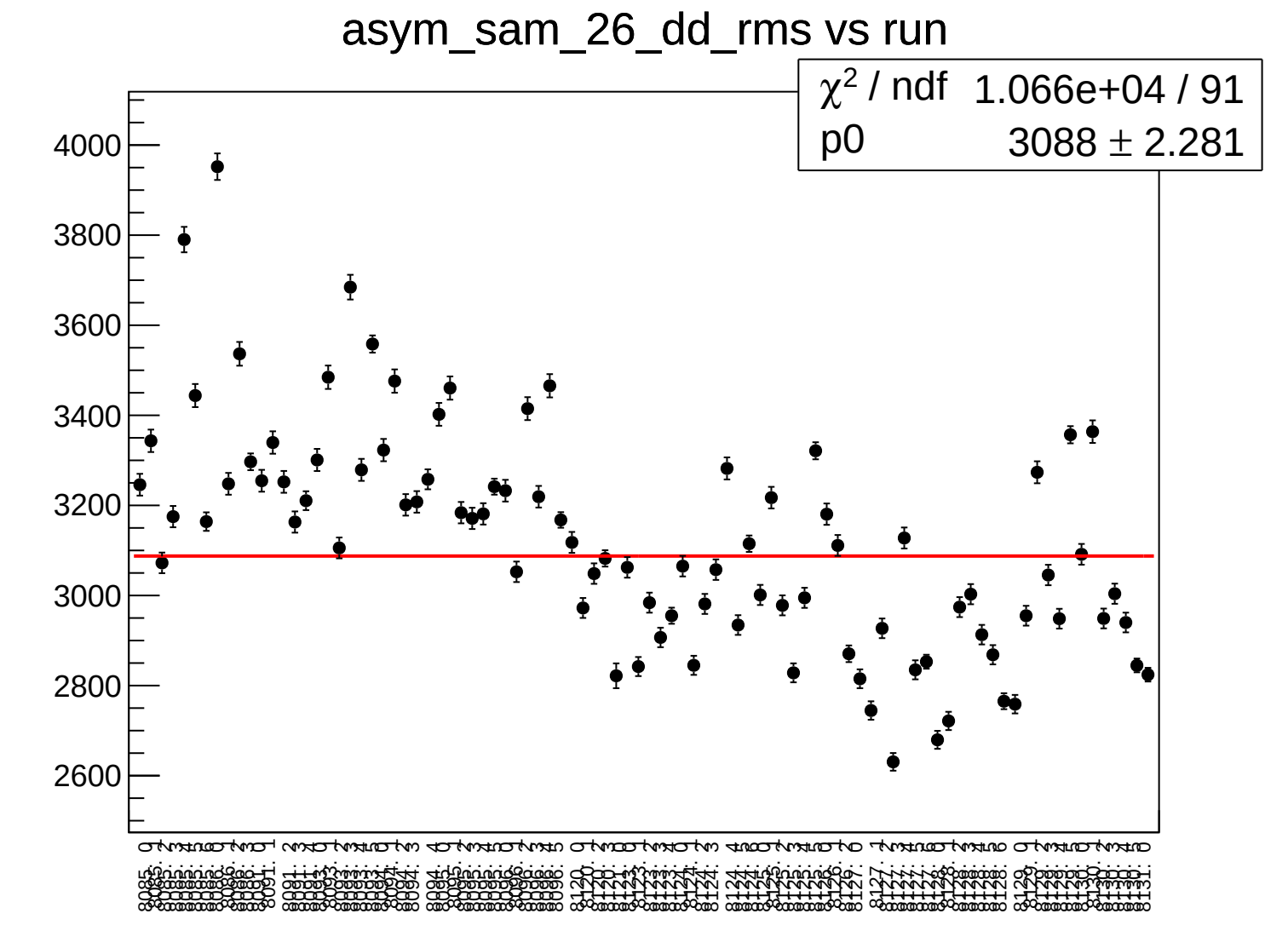

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 58.76 / 91
p0 −3183 ± 3236
pull
Entries 92
Mean 391.2
Std Dev 318.6

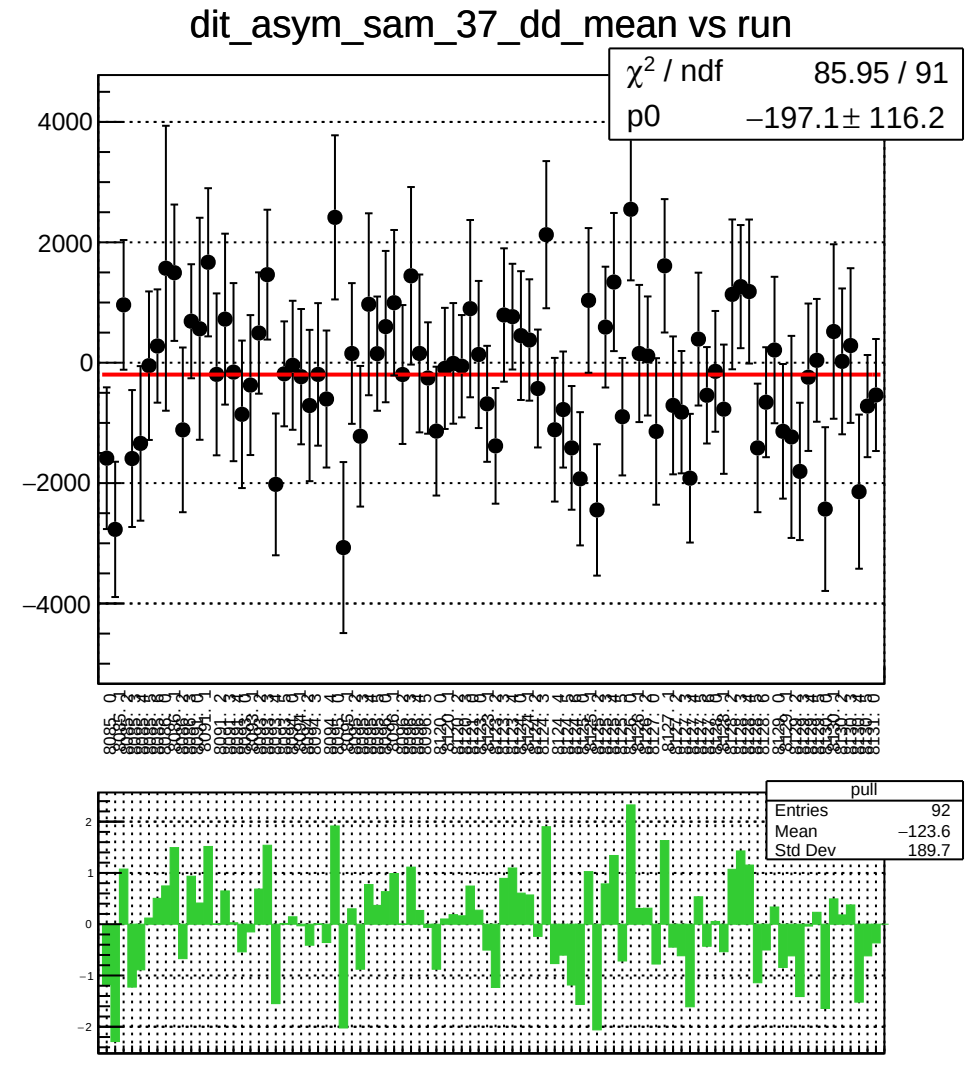

pull1D
Entries 92
Mean 0.002499
Std Dev 0.7992

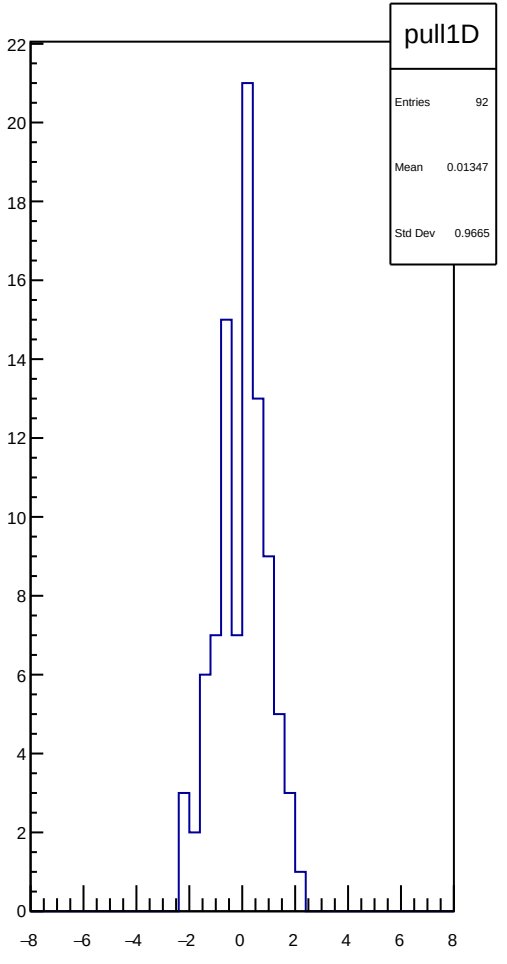

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.068e+04 / 91
p0 3097 ± 2.288
4000
3800
3600
3400
3200
3000
2800
2600

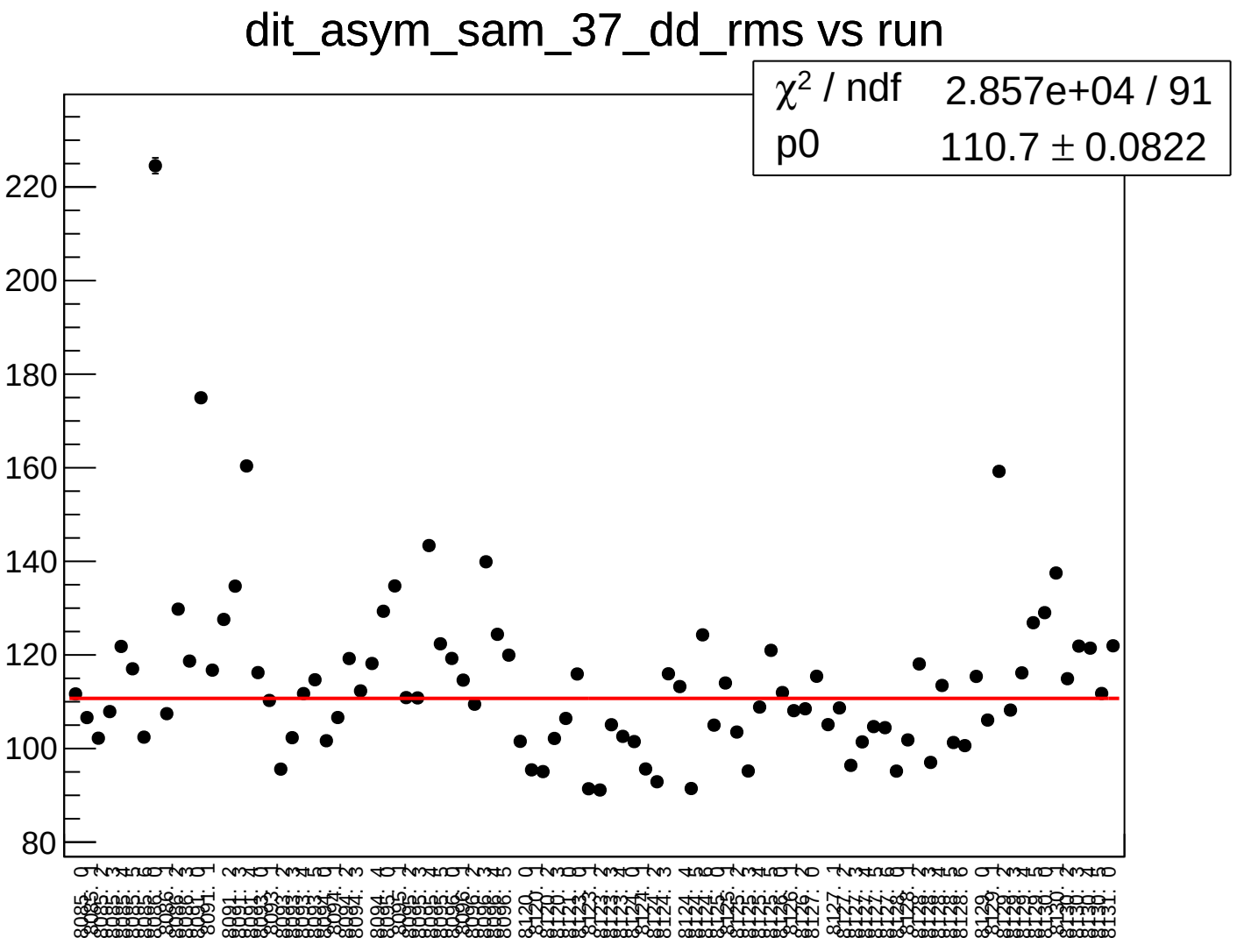

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 58.22 / 91
p0 2952 ± 3226
pull
Entries 92
Mean 502.9
Std Dev 433

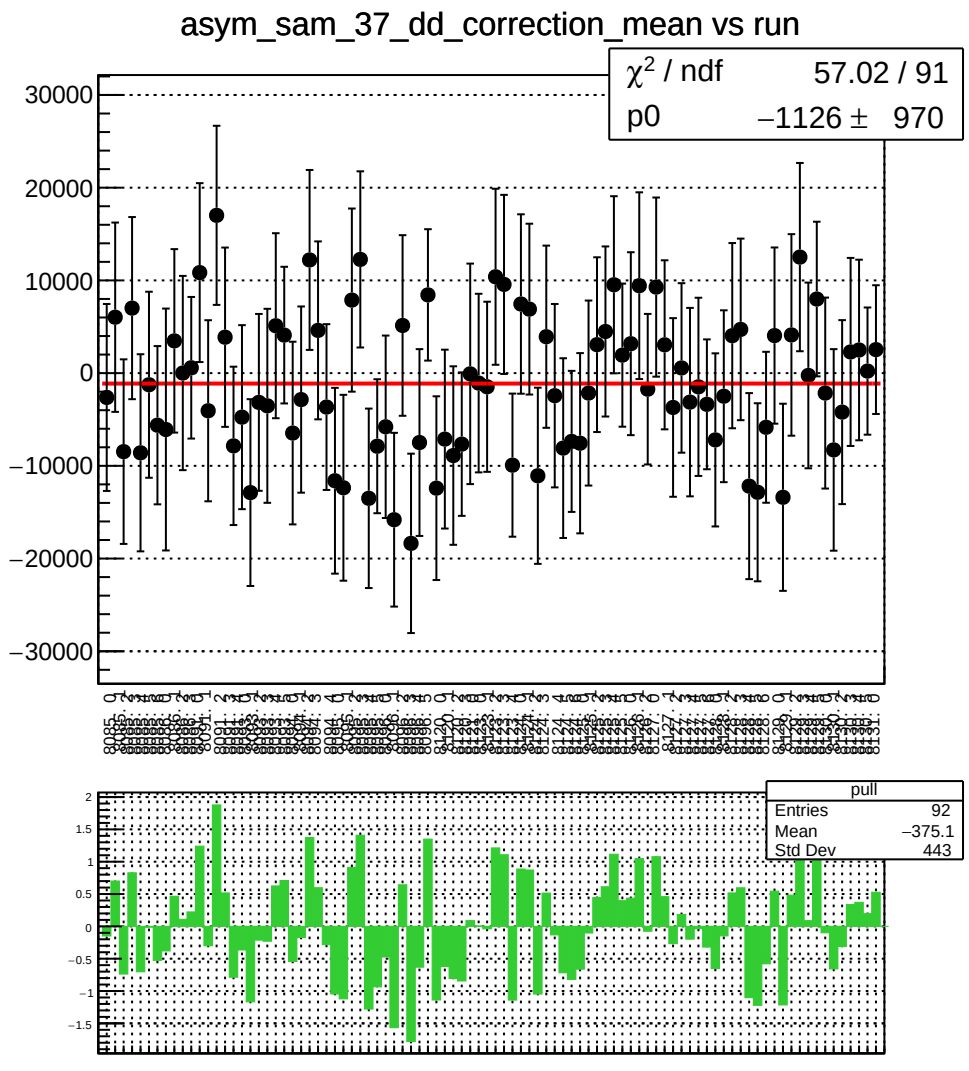

pull1D
Entries 92
Mean −0.002124
Std Dev 0.7955

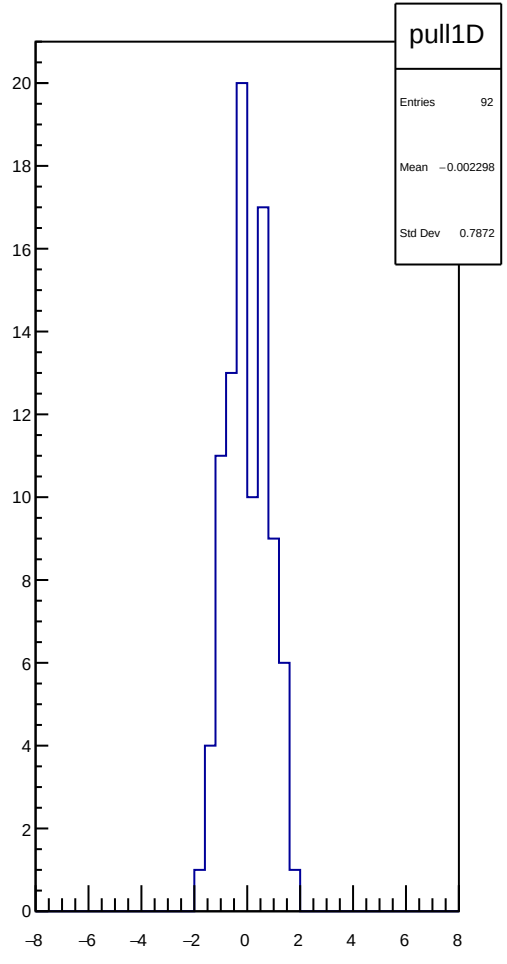

asym_sam_26_dd_rms vs run
χ² / ndf 1.066e+04 / 91
p0 3088 ± 2.281
4000
3800
3600
3400
3200
3000
2800
2600

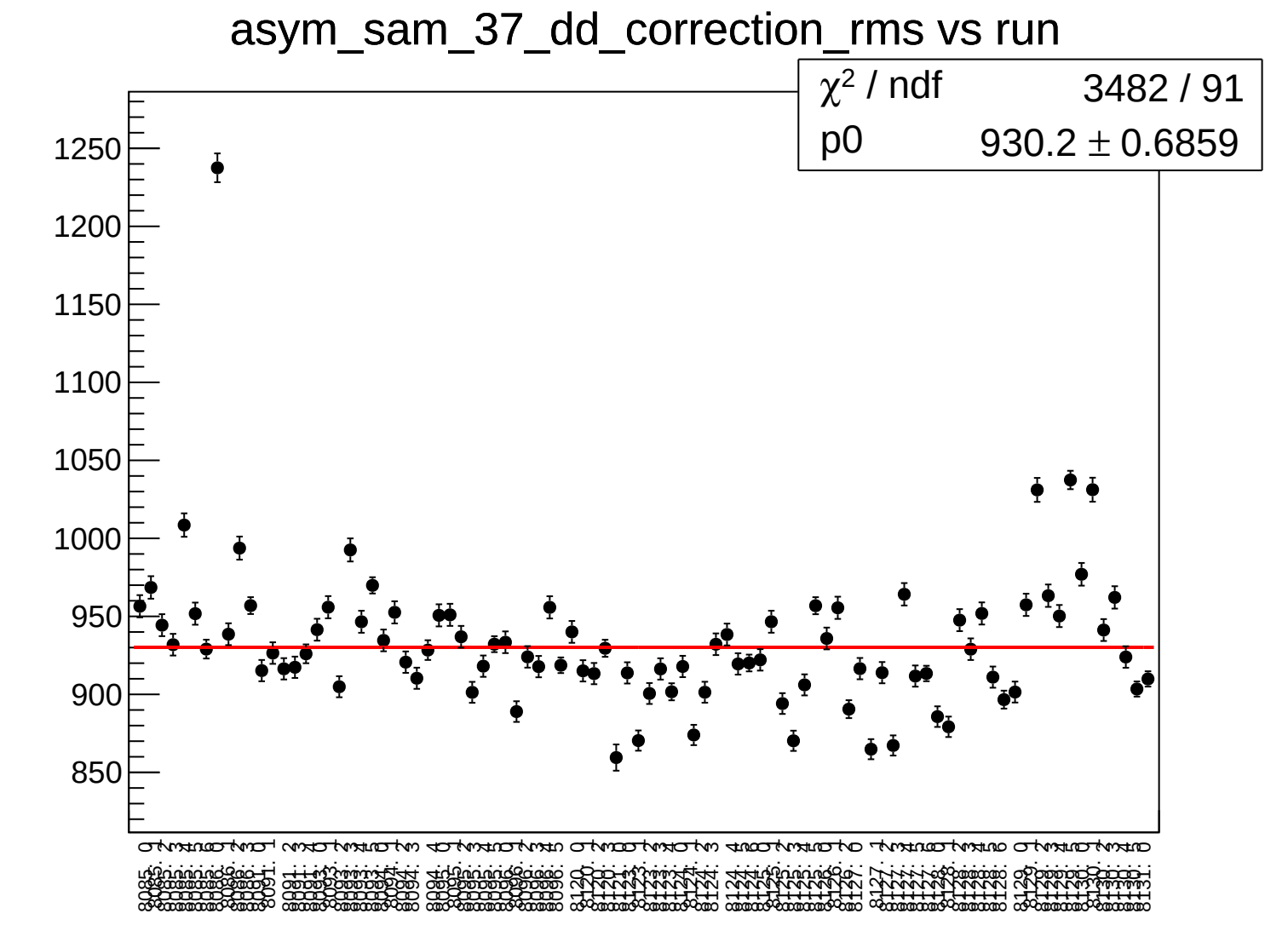

dit_asym_sam_37_dd_mean vs run
χ² / ndf 85.95 / 91
p0 −197.1± 116.2
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −123.6
Std Dev 189.7
2
1
0
−1
−2

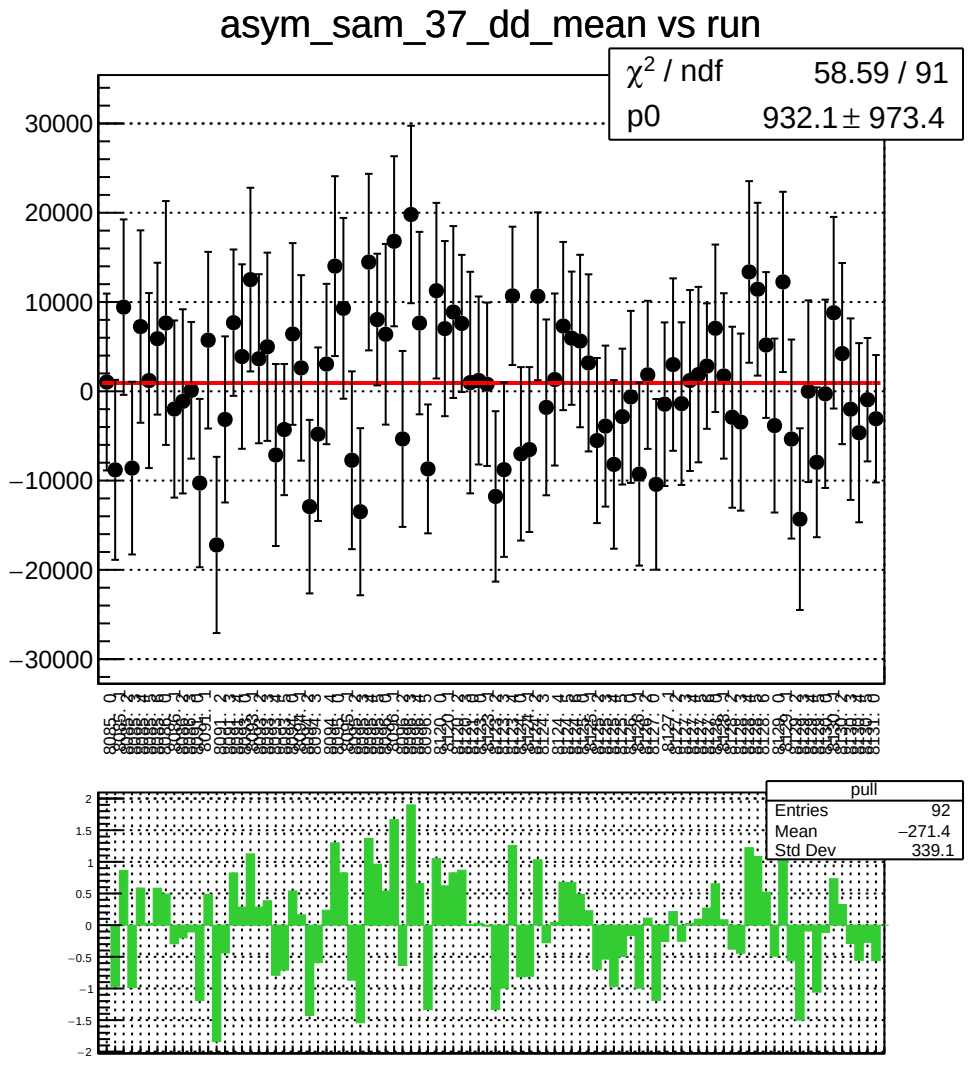

pull1D
Entries 92
Mean 0.01347
Std Dev 0.9665
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

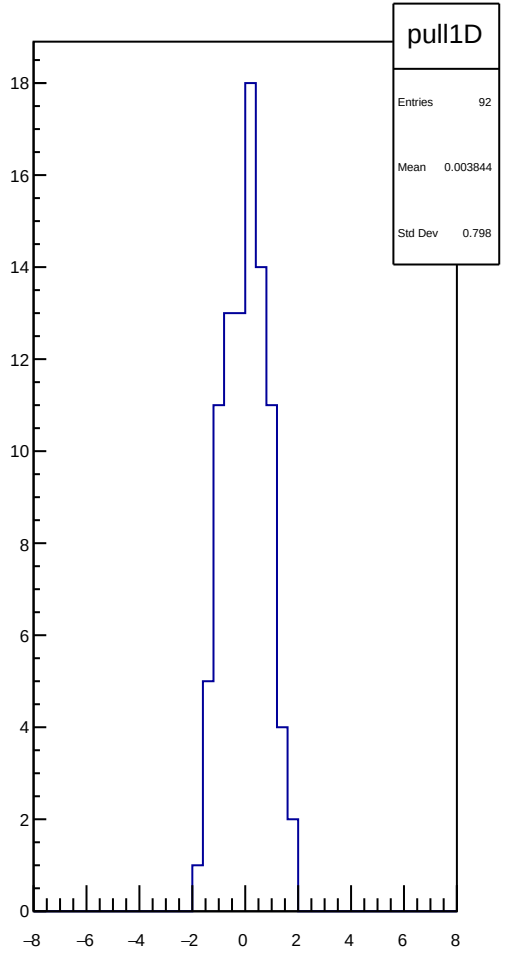

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.857e+04 / 91
p0 110.7 ± 0.0822
220
200
180
160
140
120
100
80

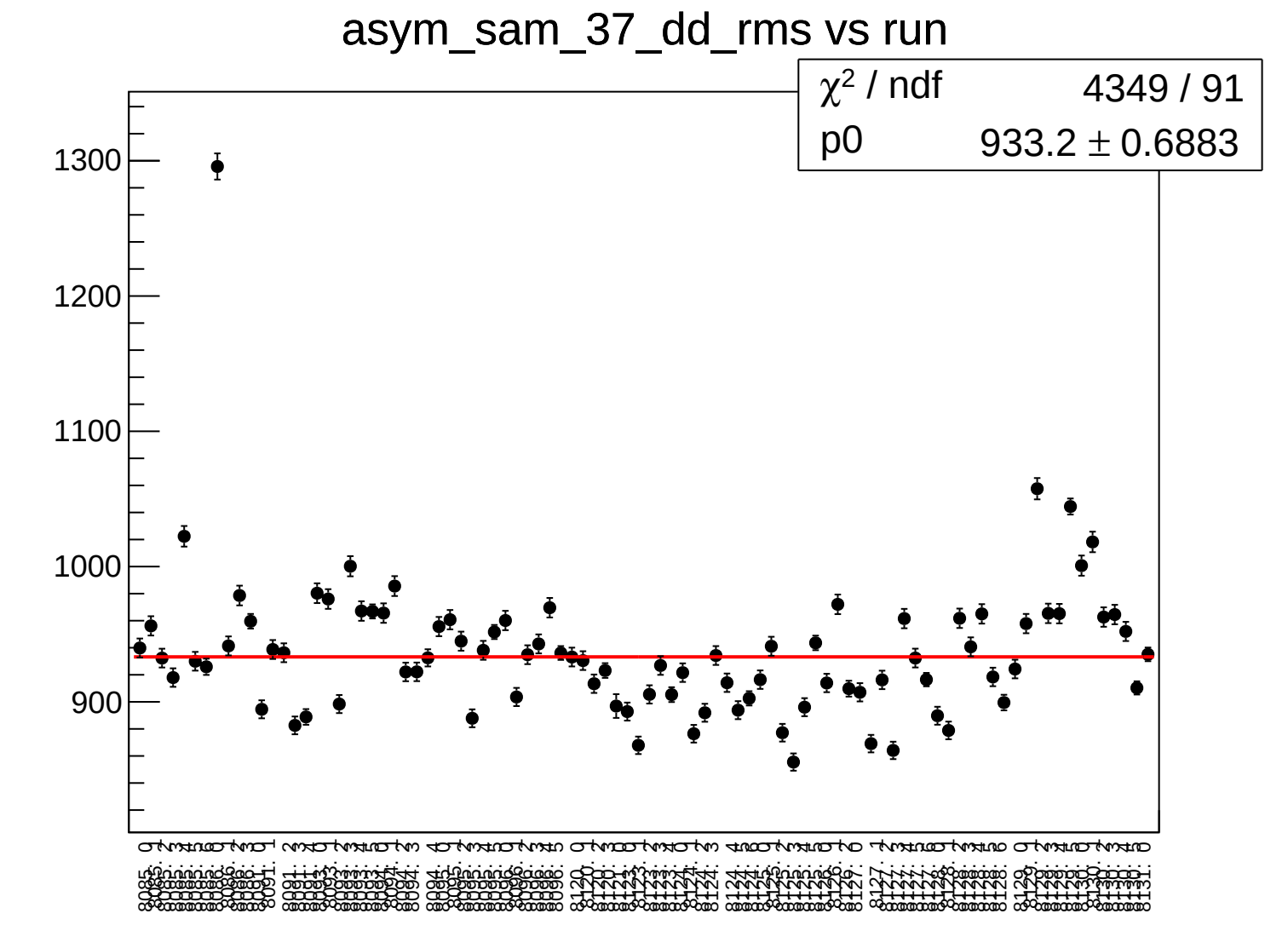

asym_sam_37_dd_correction_mean vs run
χ² / ndf 57.02 / 91
p0 −1126 ± 970
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −375.1
Std Dev 443
2
1.5
1
0.5
0
−0.5
−1
−1.5

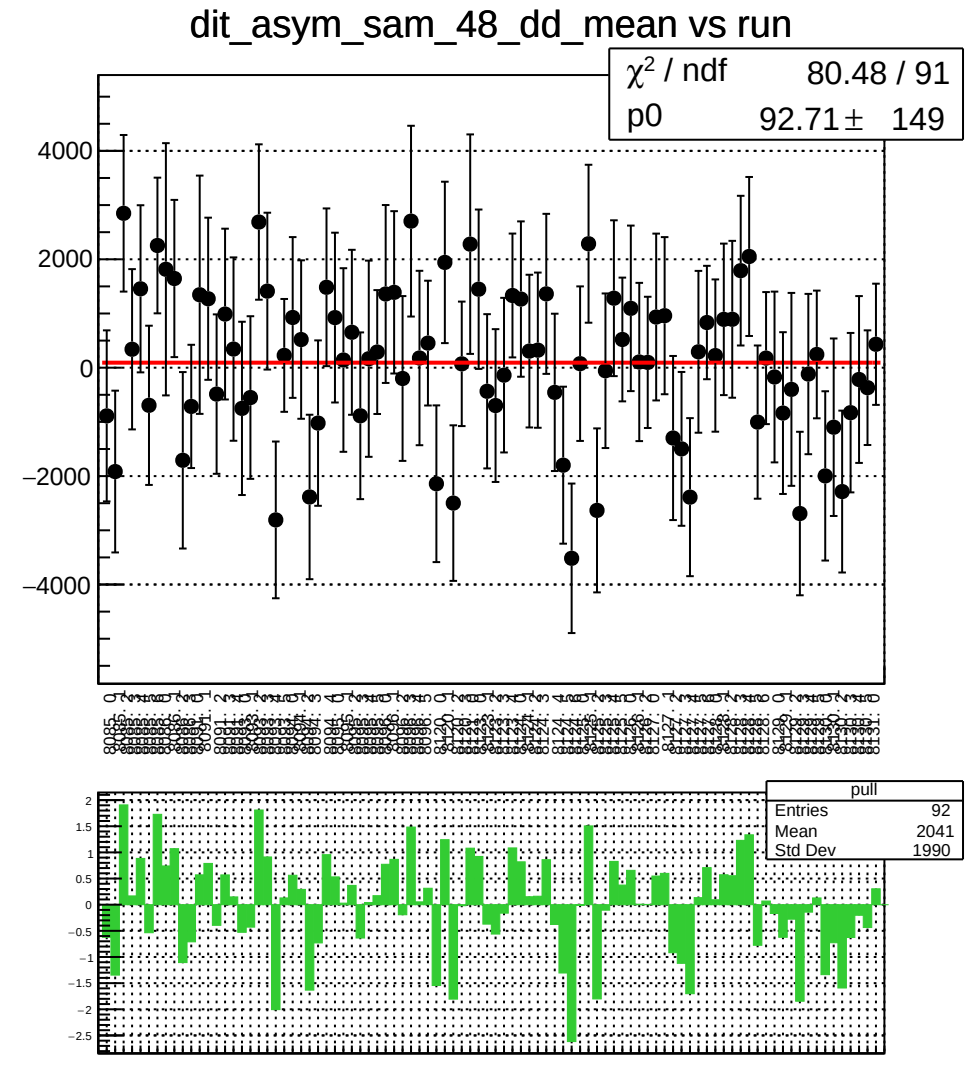

pull1D
Entries 92
Mean −0.002298
Std Dev 0.7872
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

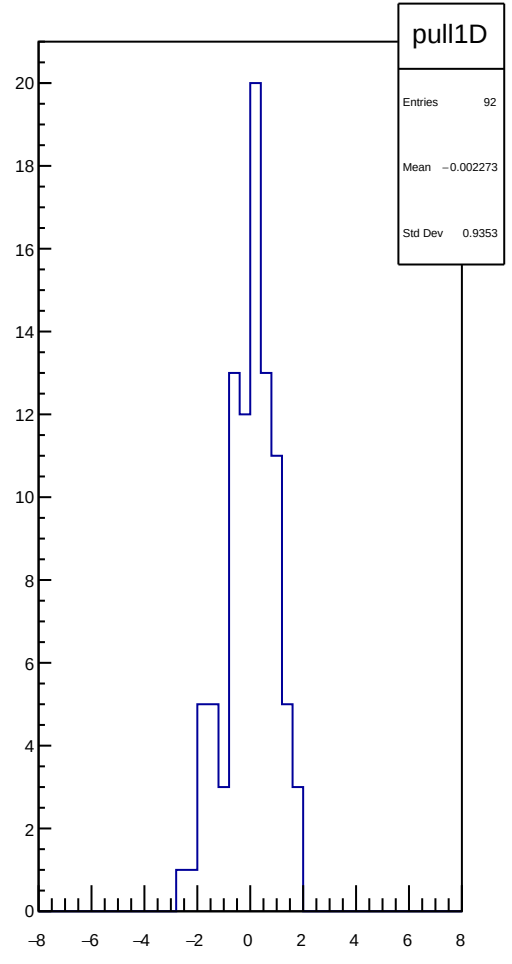

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3482 / 91
p0 930.2 ± 0.6859
1250
1200
1150
1100
1050
1000
950
900
850

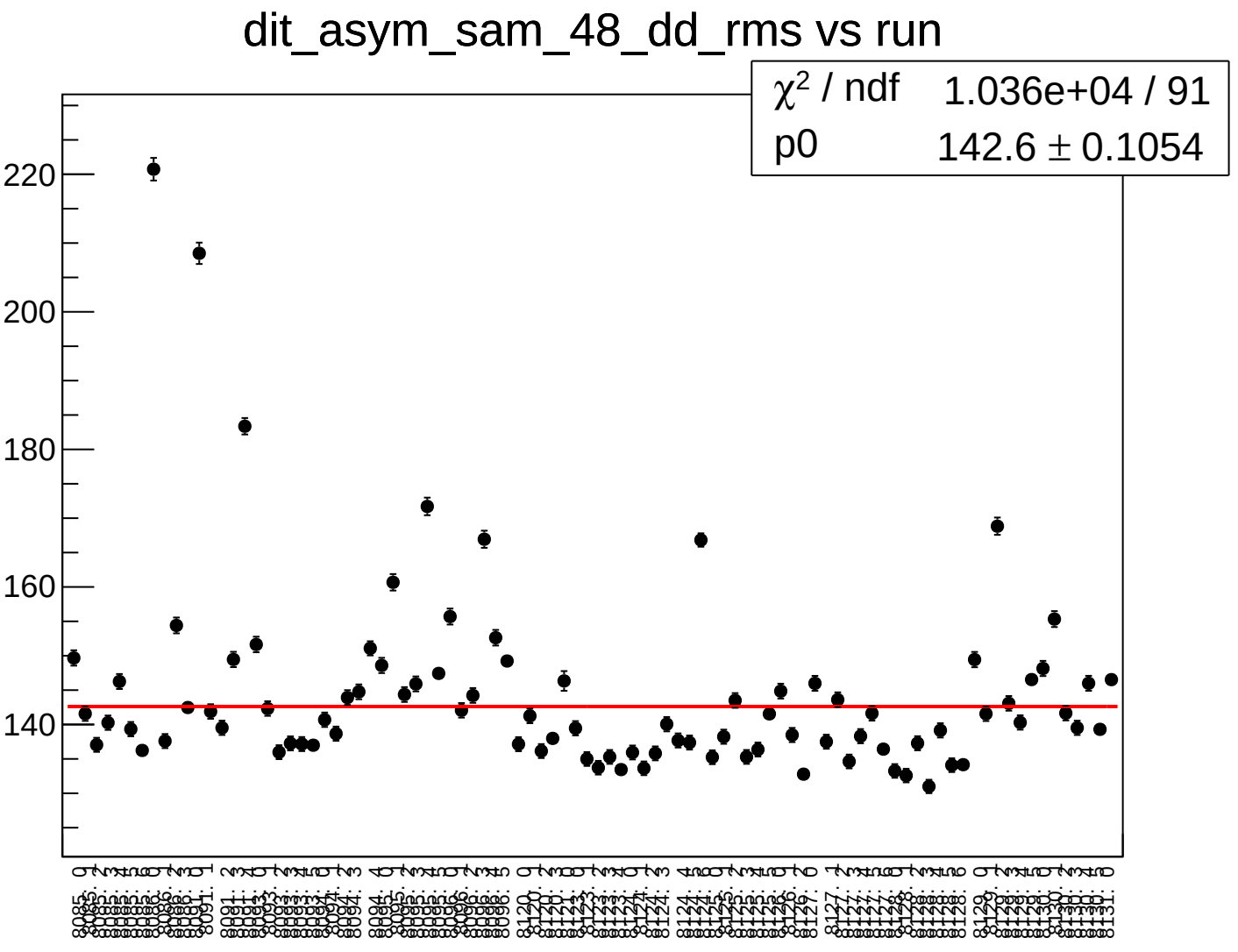

asym_sam_37_dd_mean vs run
χ² / ndf 58.59 / 91
p0 932.1 ± 973.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −271.4
Std Dev 339.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

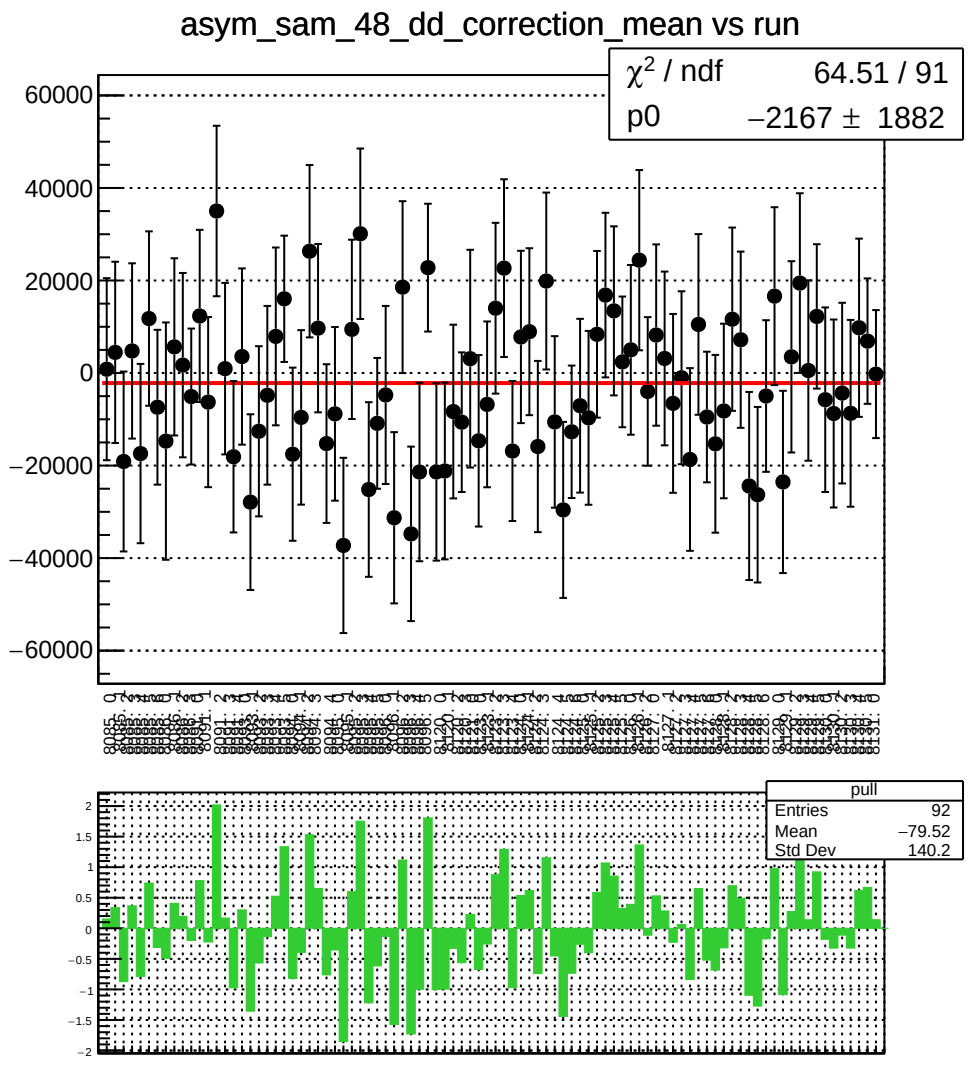

pull1D
Entries 92
Mean 0.003844
Std Dev 0.798
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

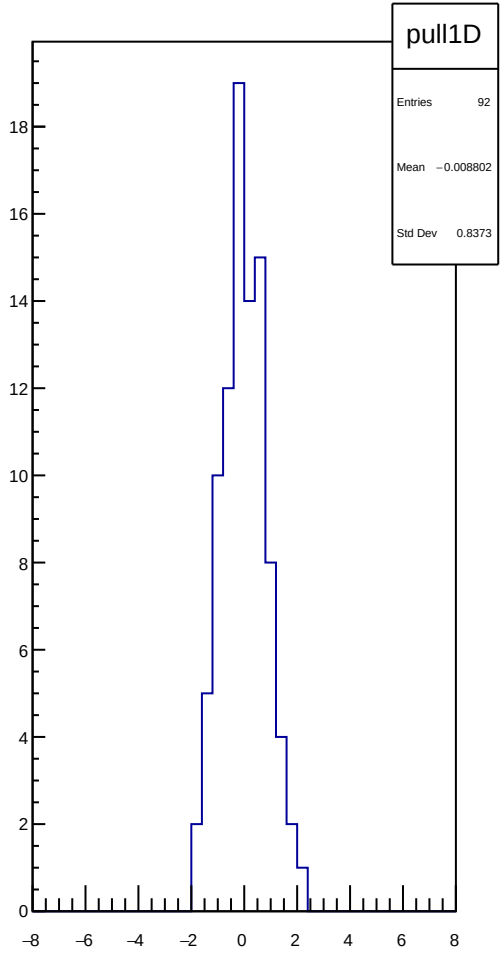

asym_sam_37_dd_rms vs run
χ² / ndf 4349 / 91
p0 933.2 ± 0.6883
1300
1200
1100
1000
900

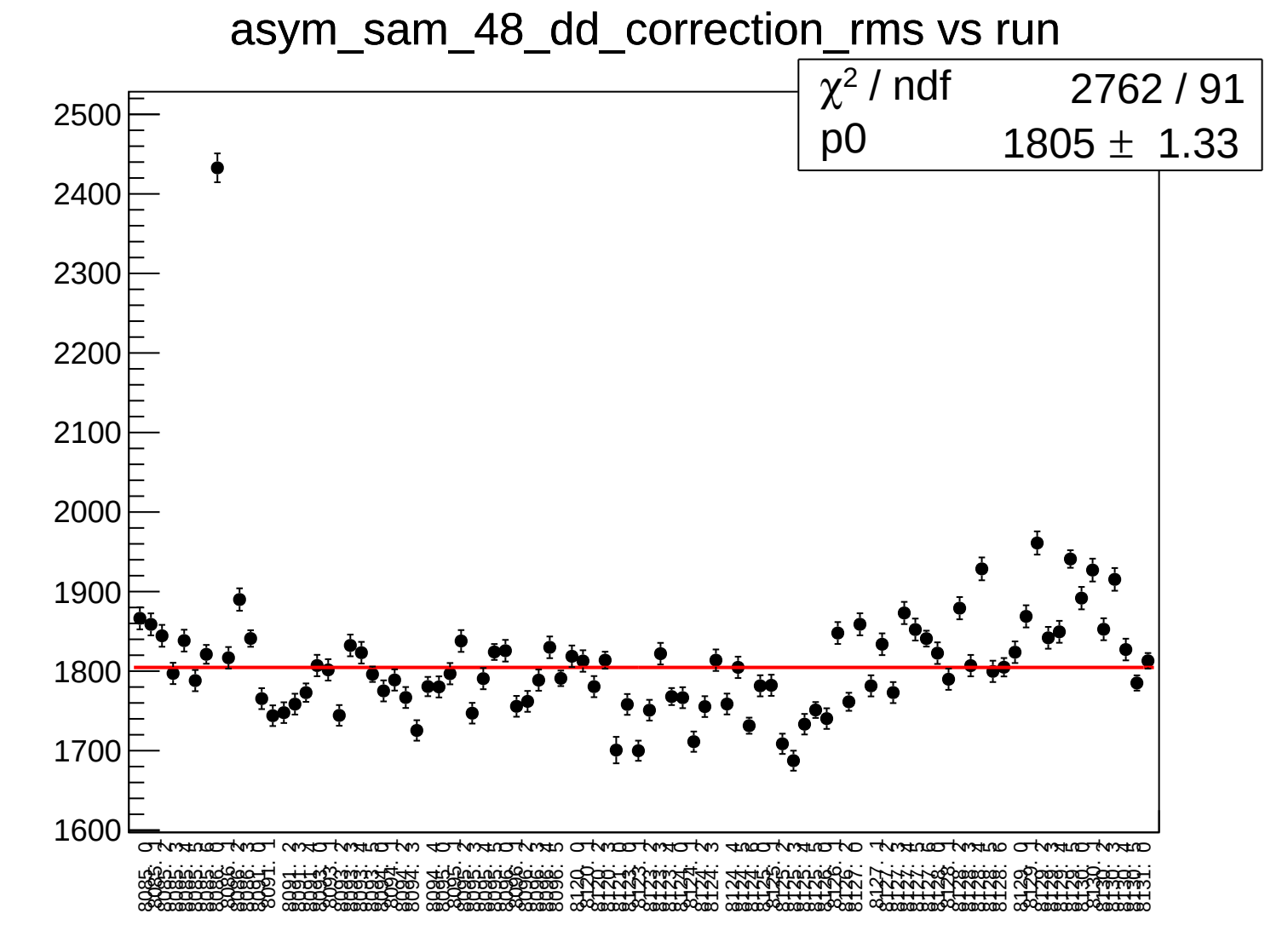

dit_asym_sam_48_dd_mean vs run
χ² / ndf 80.48 / 91
p0 92.71 ± 149
4000
2000
0
−2000
−4000
pull
Entries 92
Mean 2041
Std Dev 1990
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

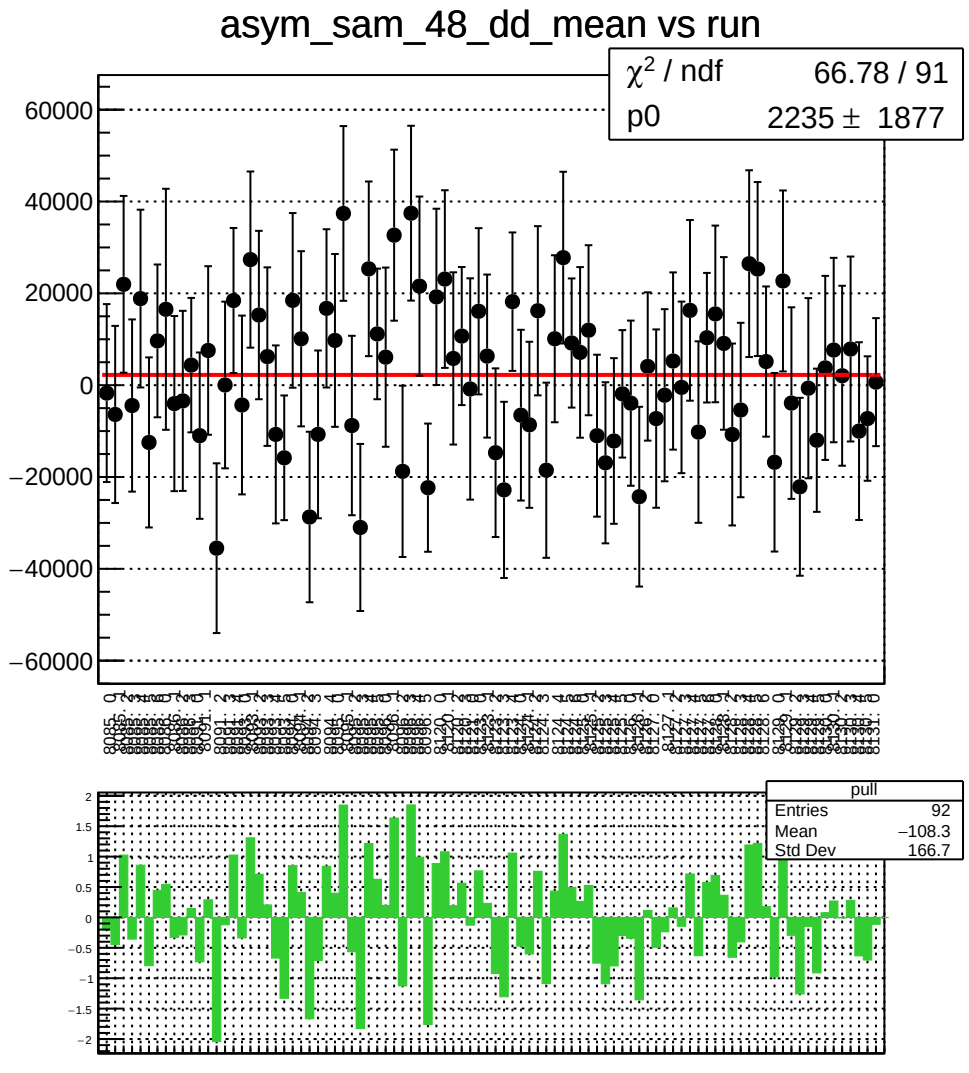

pull1D
Entries 92
Mean −0.002273
Std Dev 0.9353
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

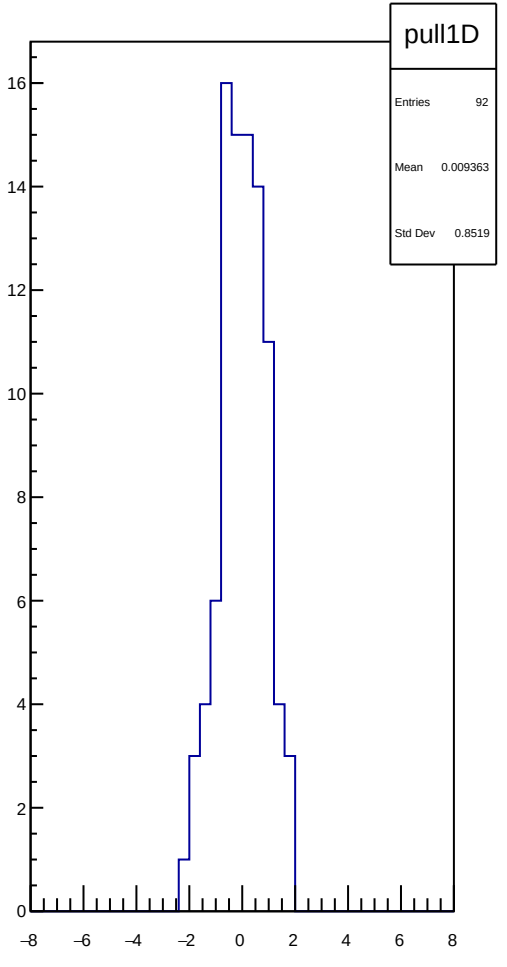

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.036e+04 / 91
p0 142.6 ± 0.1054
220
200
180
160
140

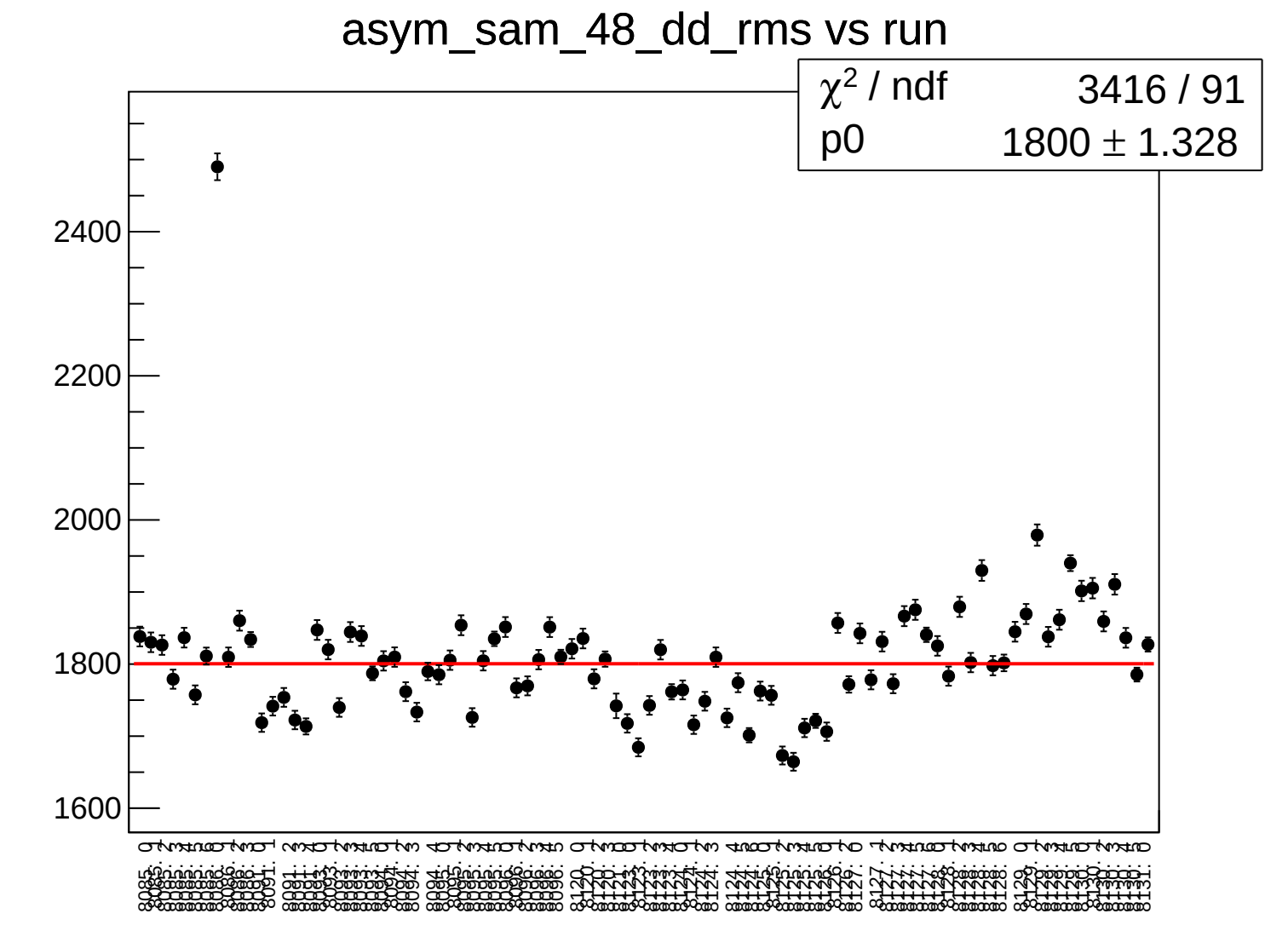

asym_sam_48_dd_correction_mean vs run
χ² / ndf 64.51 / 91
p0 −2167 ± 1882
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −79.52
Std Dev 140.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

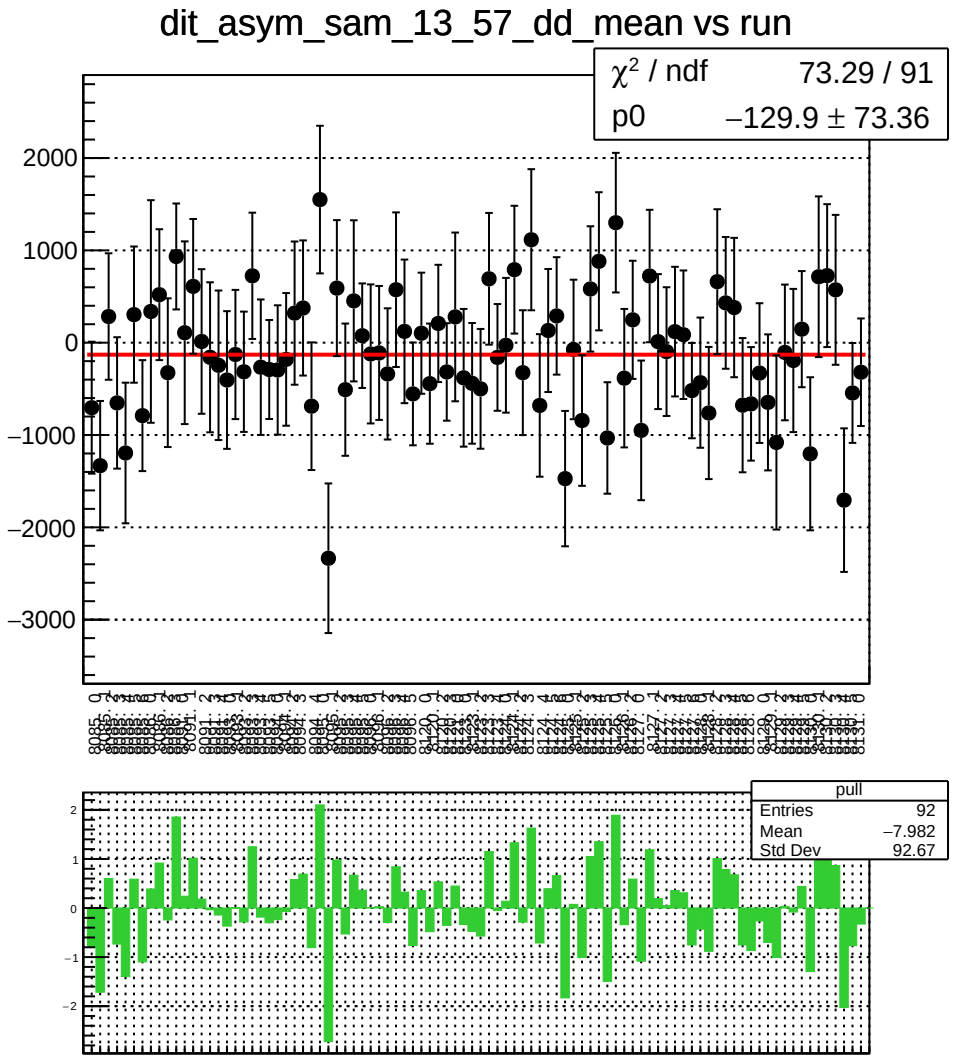

pull1D
Entries 92
Mean −0.008802
Std Dev 0.8373
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

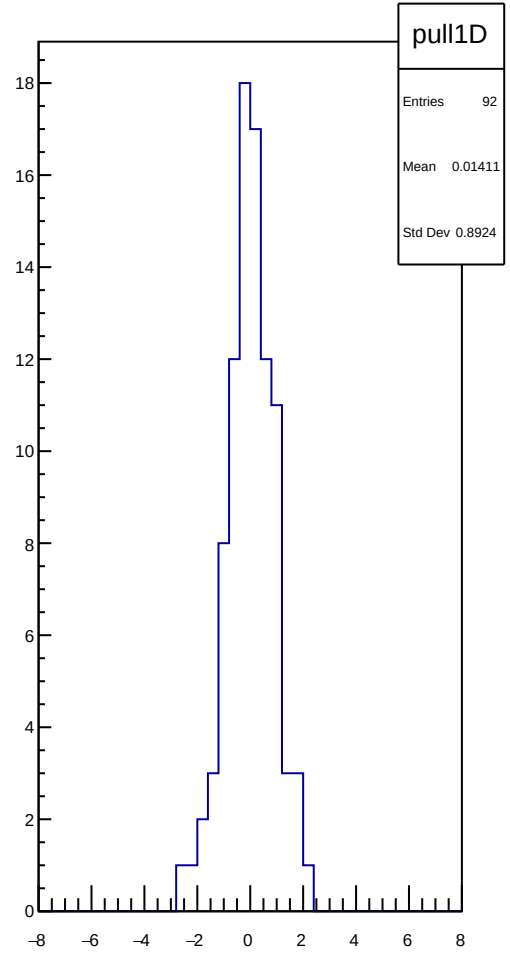

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2762 / 91
p0 1805 ± 1.33
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600

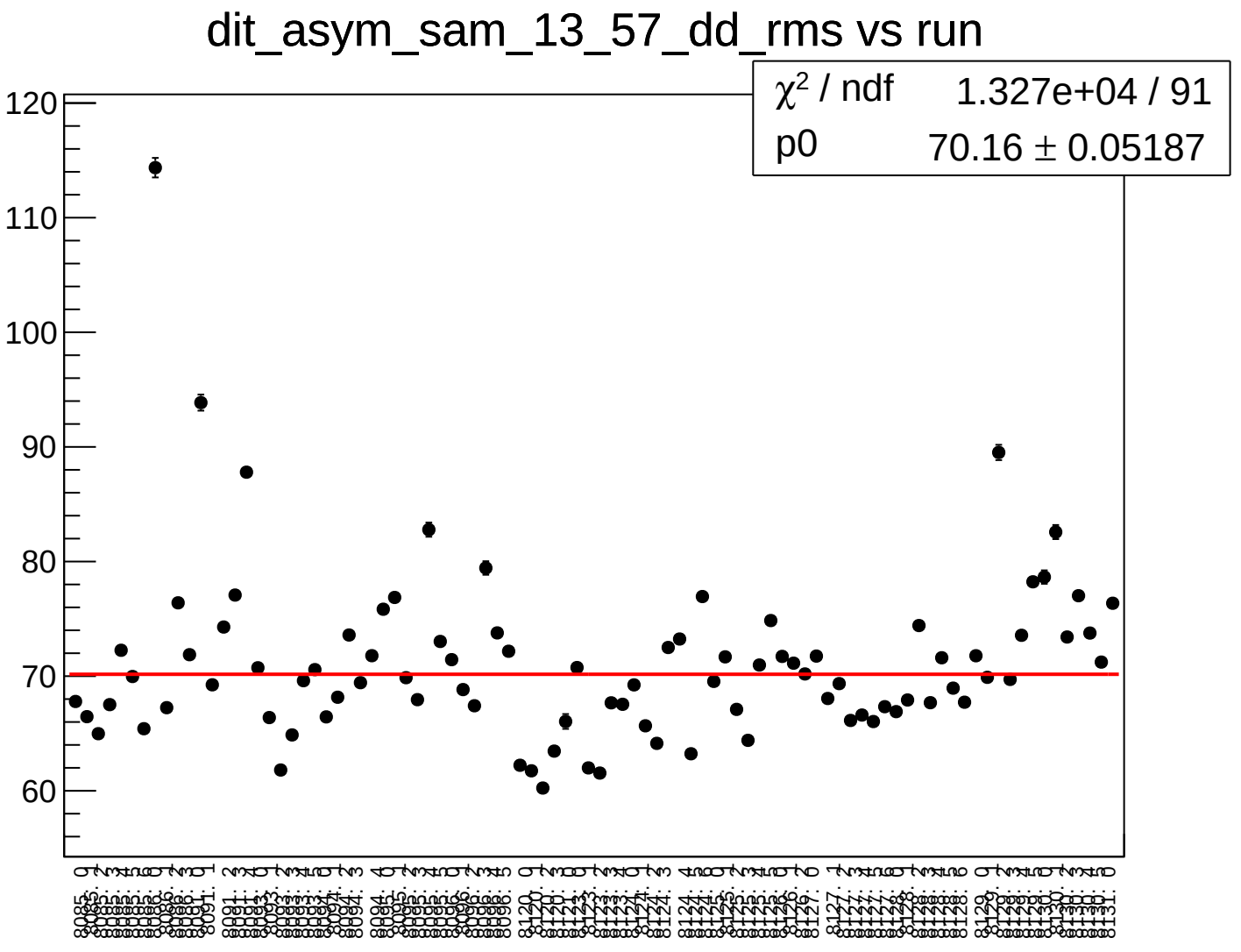

asym_sam_48_dd_mean vs run
χ² / ndf 66.78 / 91
p0 2235 ± 1877
pull
Entries 92
Mean −108.3
Std Dev 166.7

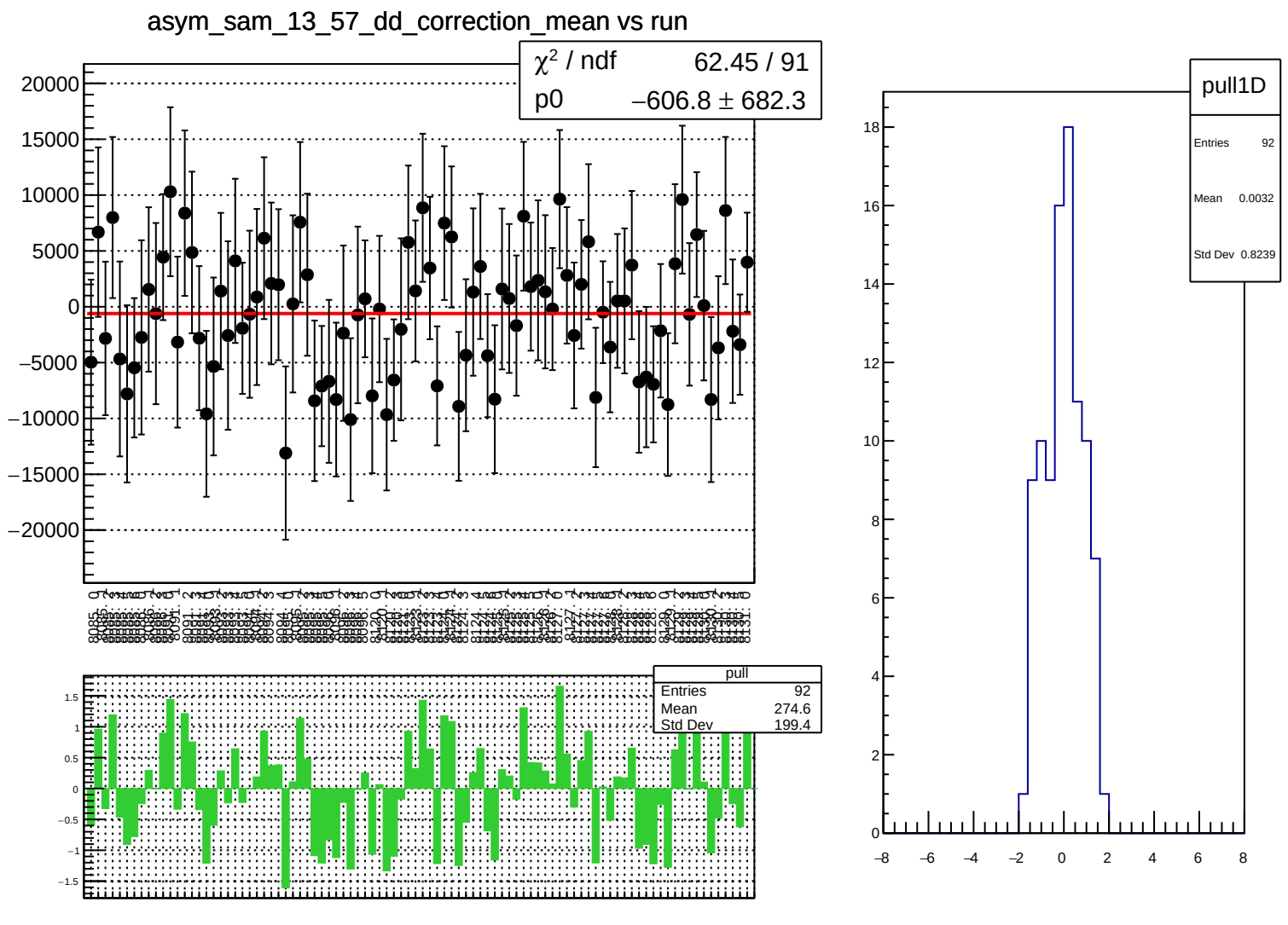

pull1D
Entries 92
Mean 0.009363
Std Dev 0.8519

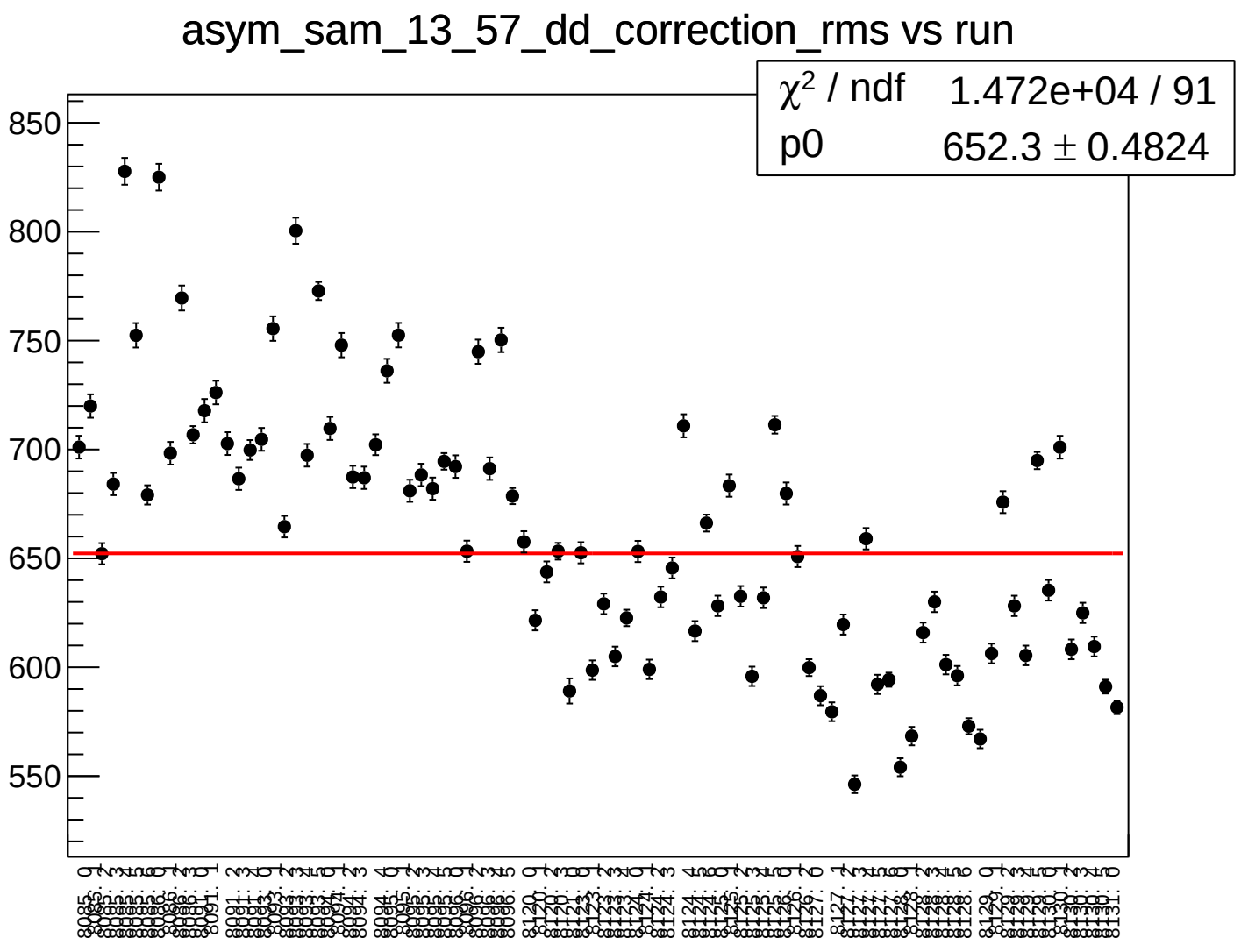

asym_sam_48_dd_rms vs run
χ² / ndf 3416 / 91
p0 1800 ± 1.328
2400
2200
2000
1800
1600

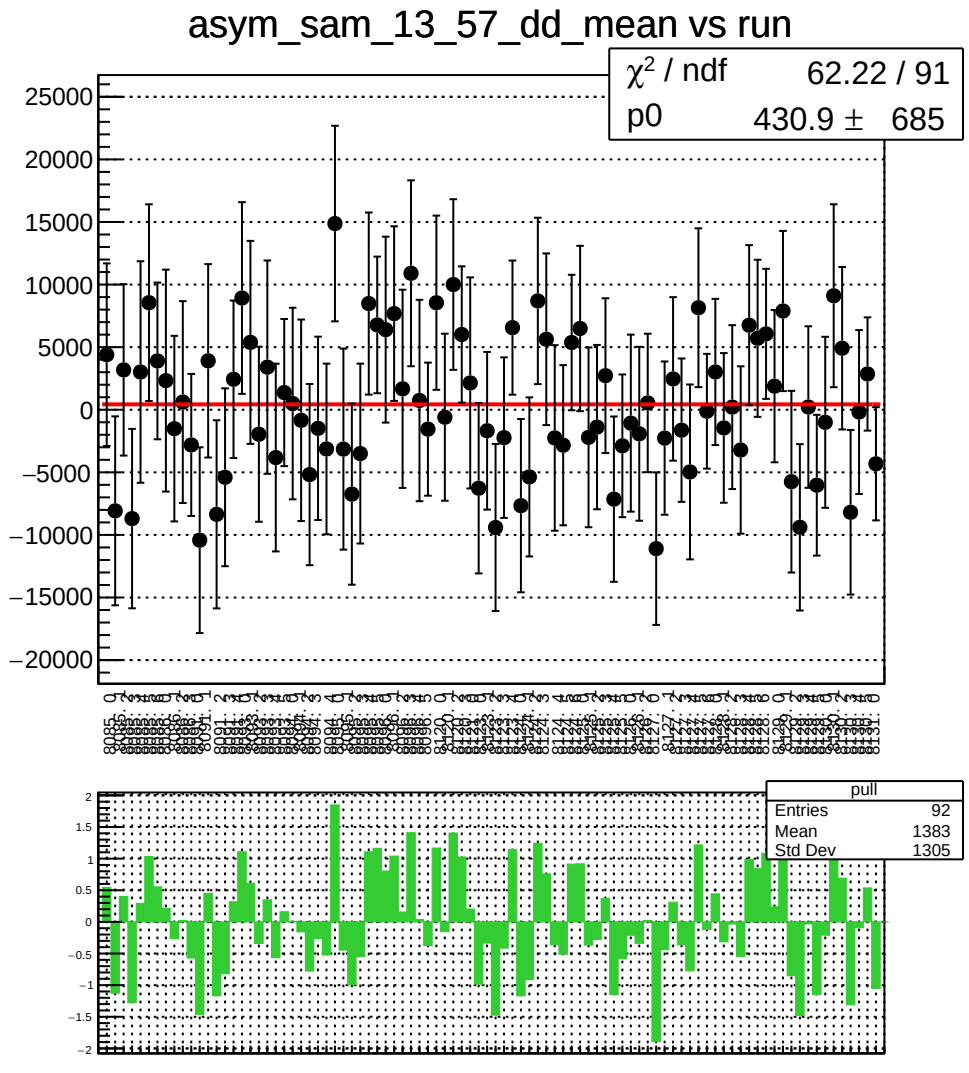

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 73.29 / 91
p0 −129.9 ± 73.36
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −7.982
Std Dev 92.67
2
1
0
−1
−2

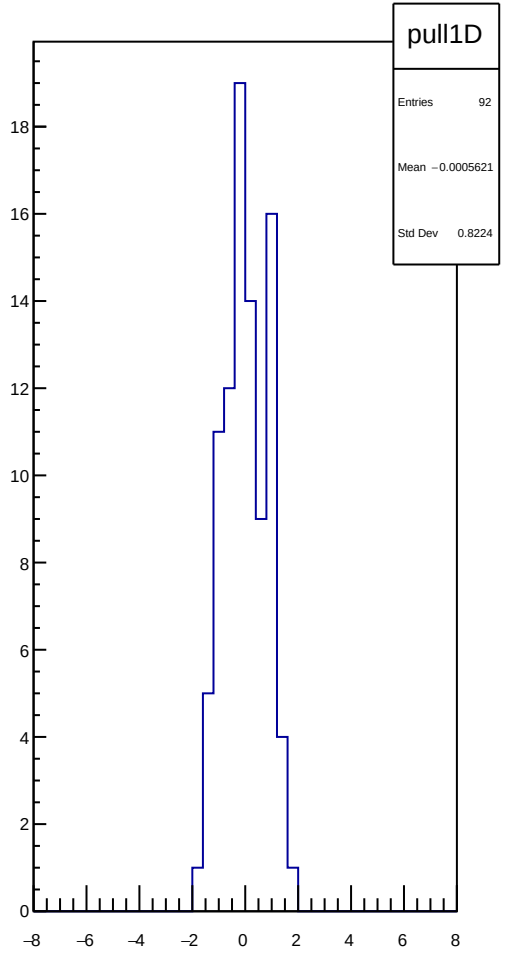

pull1D
Entries 92
Mean 0.01411
Std Dev 0.8924
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

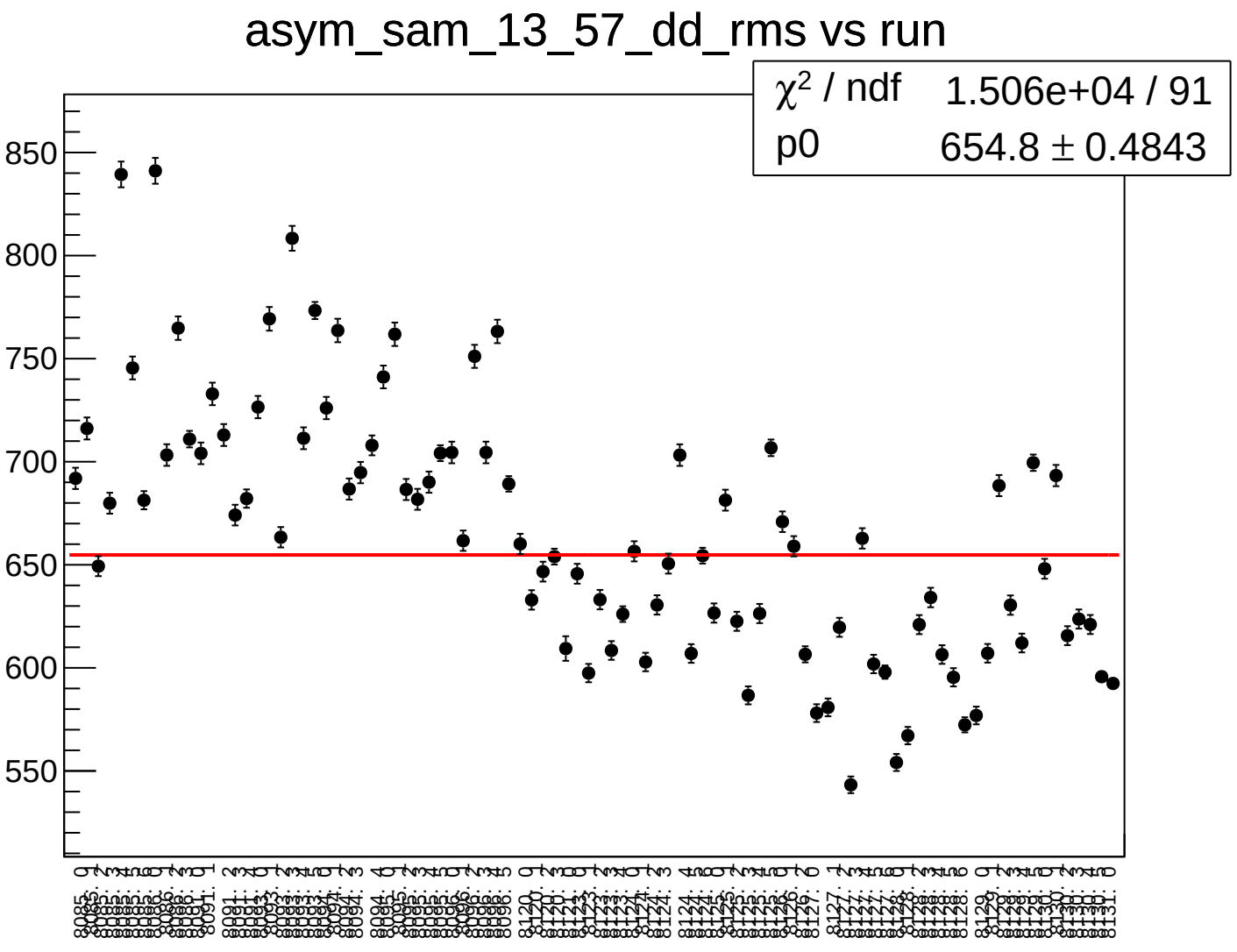

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.327e+04 / 91
p0 70.16 ± 0.05187
120
110
100
90
80
70
60

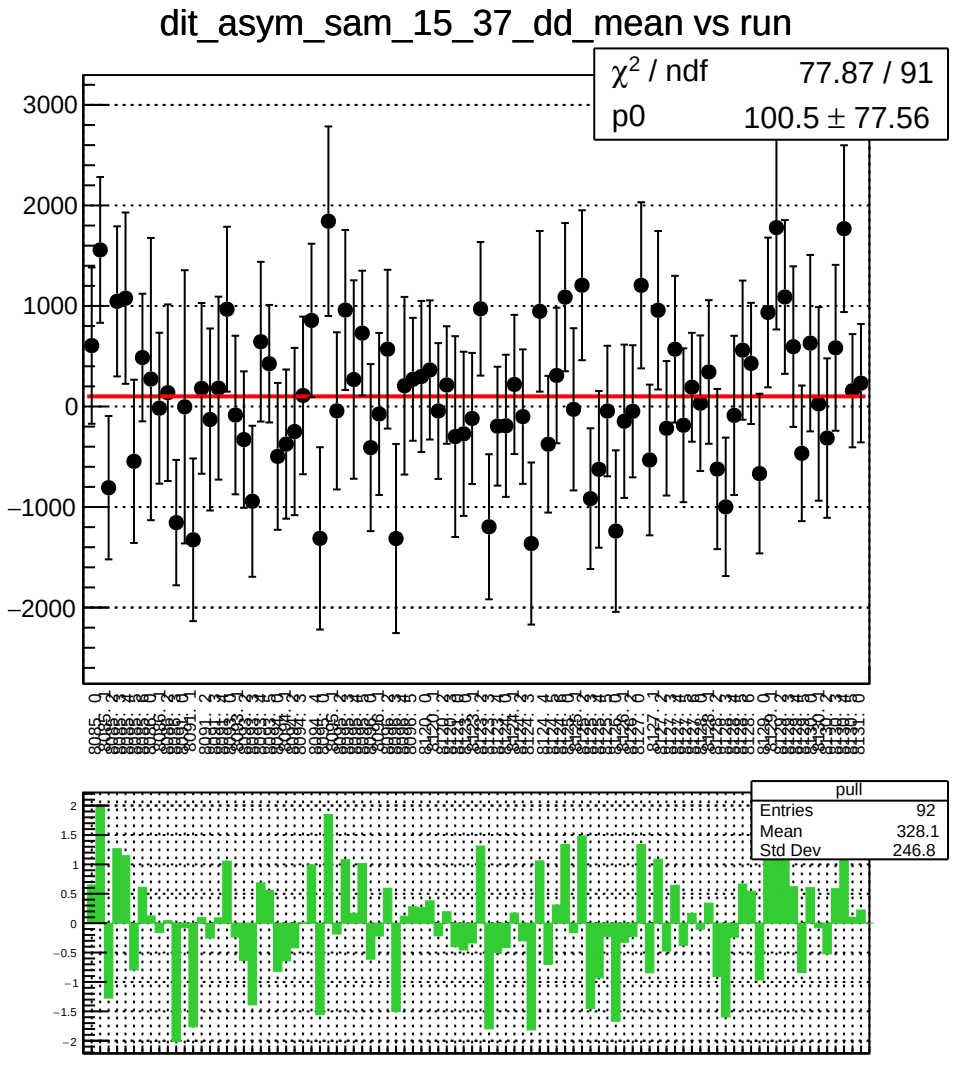

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 62.45 / 91
p0 −606.8 ± 682.3
pull
Entries 92
Mean 274.6
Std Dev 199.4
pull1D
Entries 92
Mean 0.0032
Std Dev 0.8239

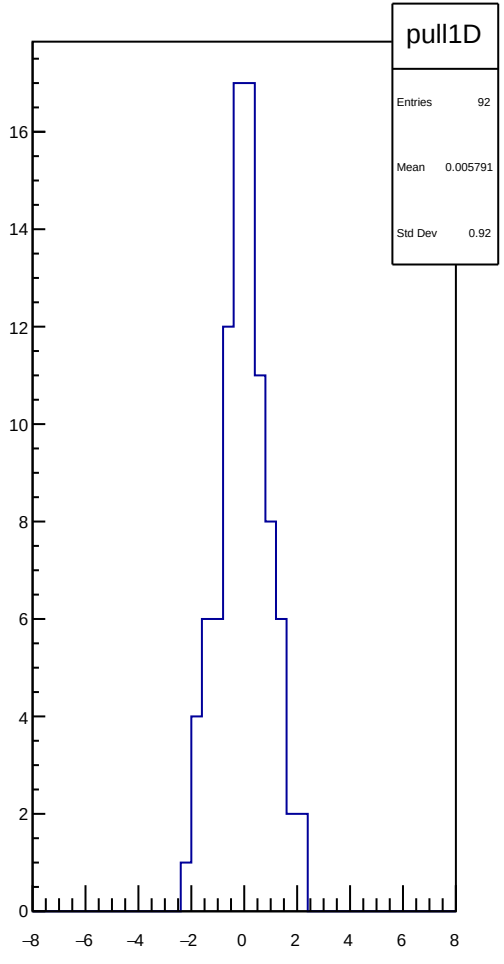

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.472e+04 / 91
p0 652.3 ± 0.4824
850
800
750
700
650
600
550

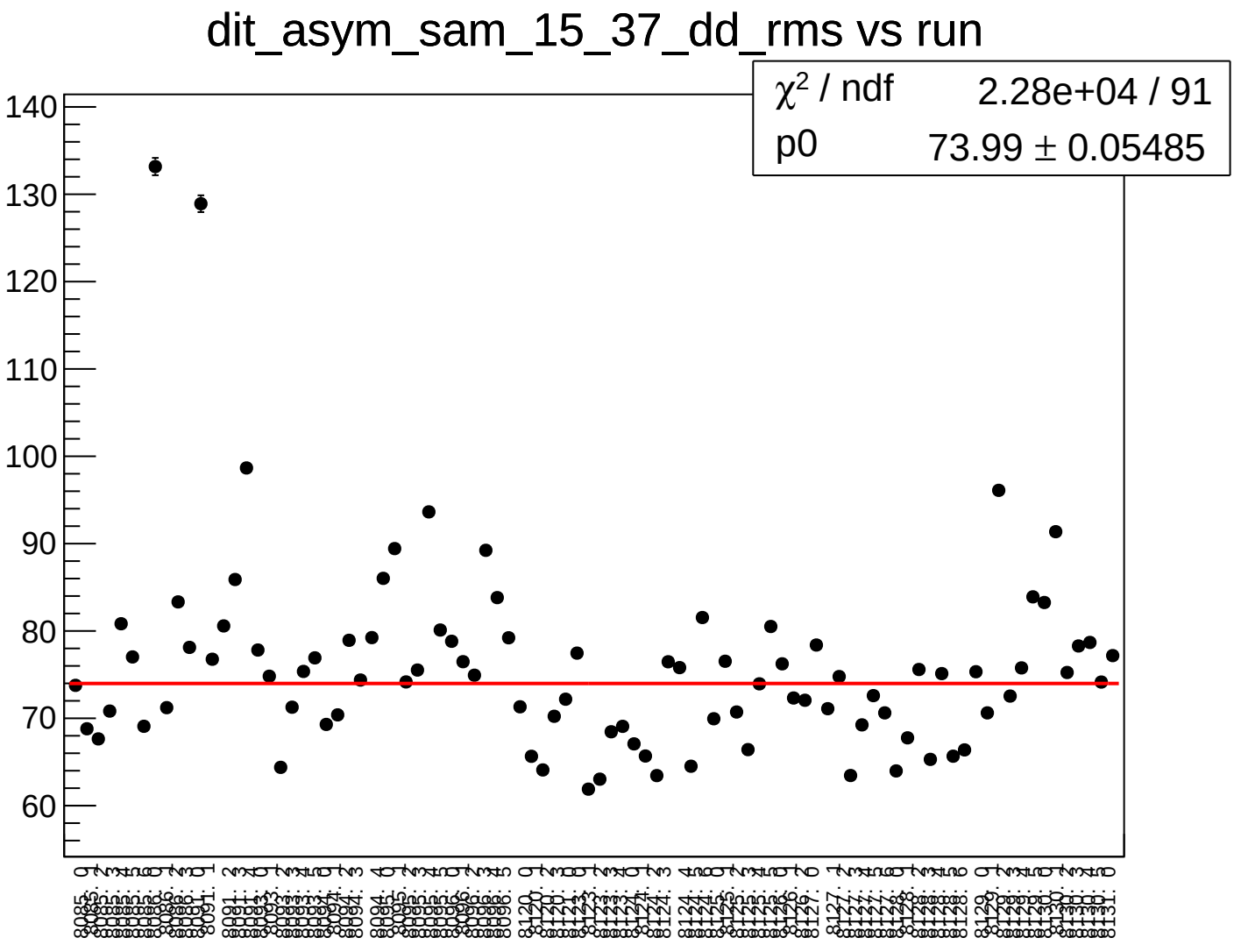

asym_sam_13_57_dd_mean vs run
χ² / ndf 62.22 / 91
p0 430.9 ± 685
pull
Entries 92
Mean 1383
Std Dev 1305

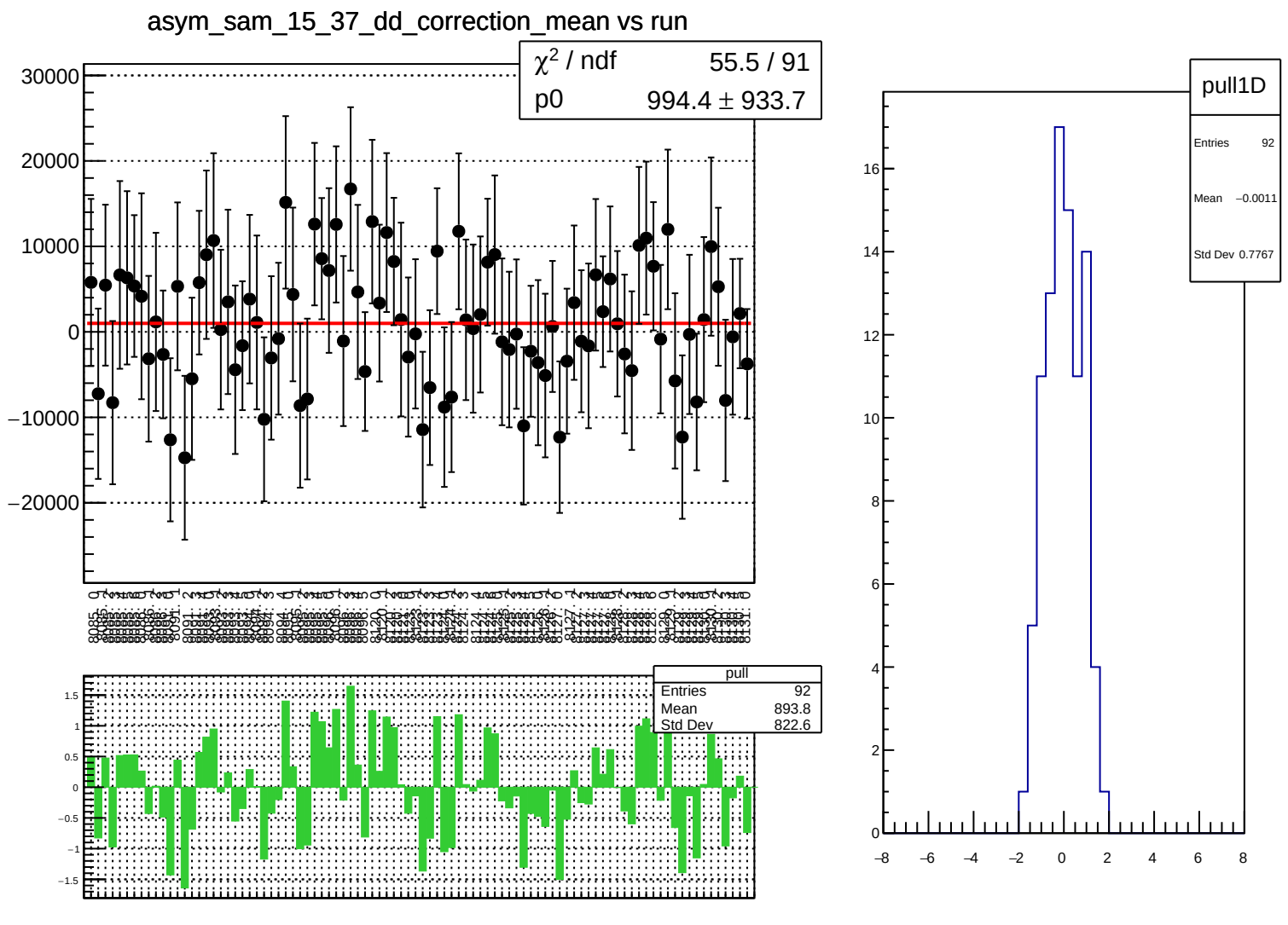

pull1D
Entries 92
Mean −0.0005621
Std Dev 0.8224

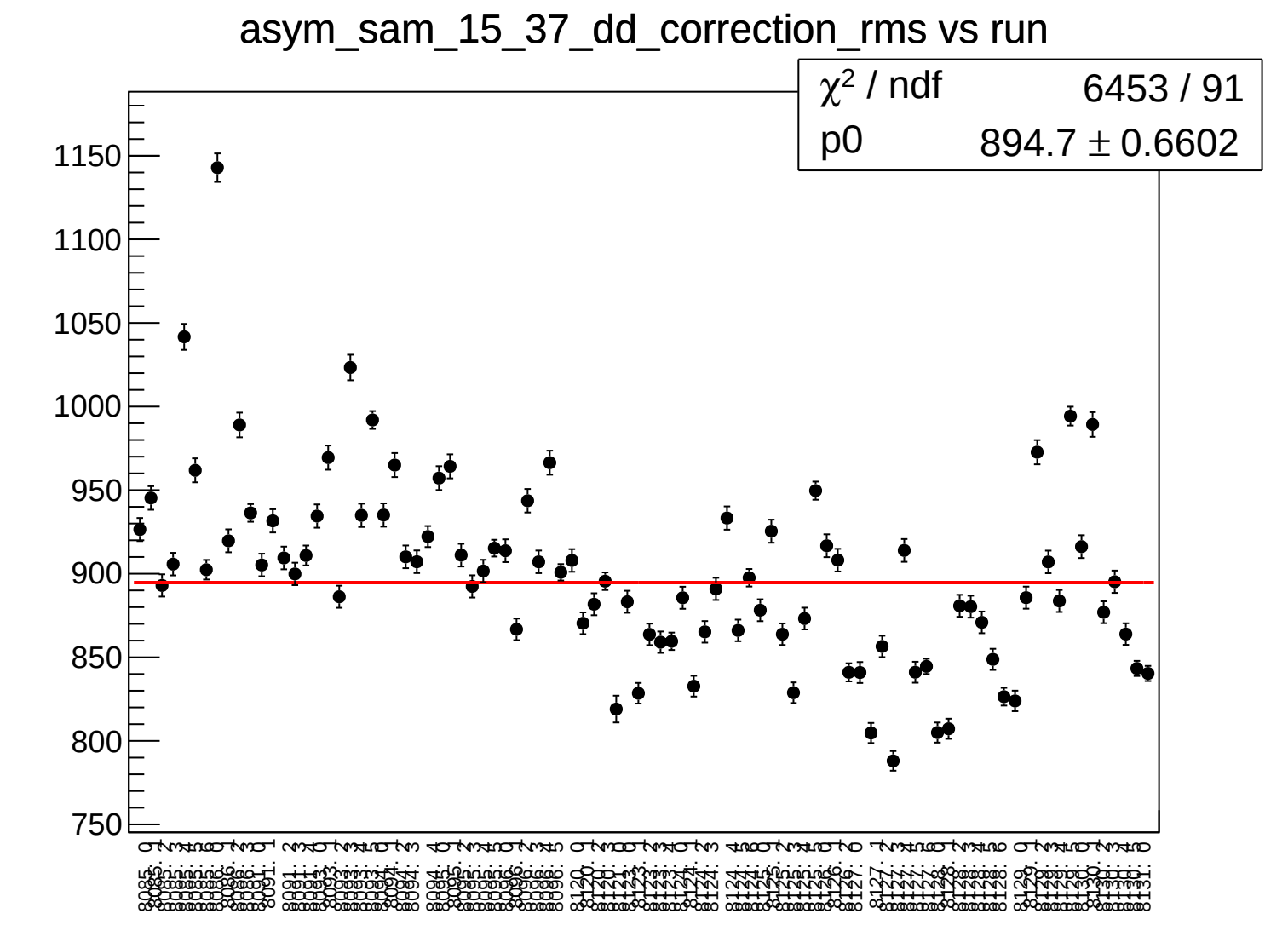

asym_sam_13_57_dd_rms vs run
χ² / ndf 1.506e+04 / 91
p0 654.8 ± 0.4843
850
800
750
700
650
600
550

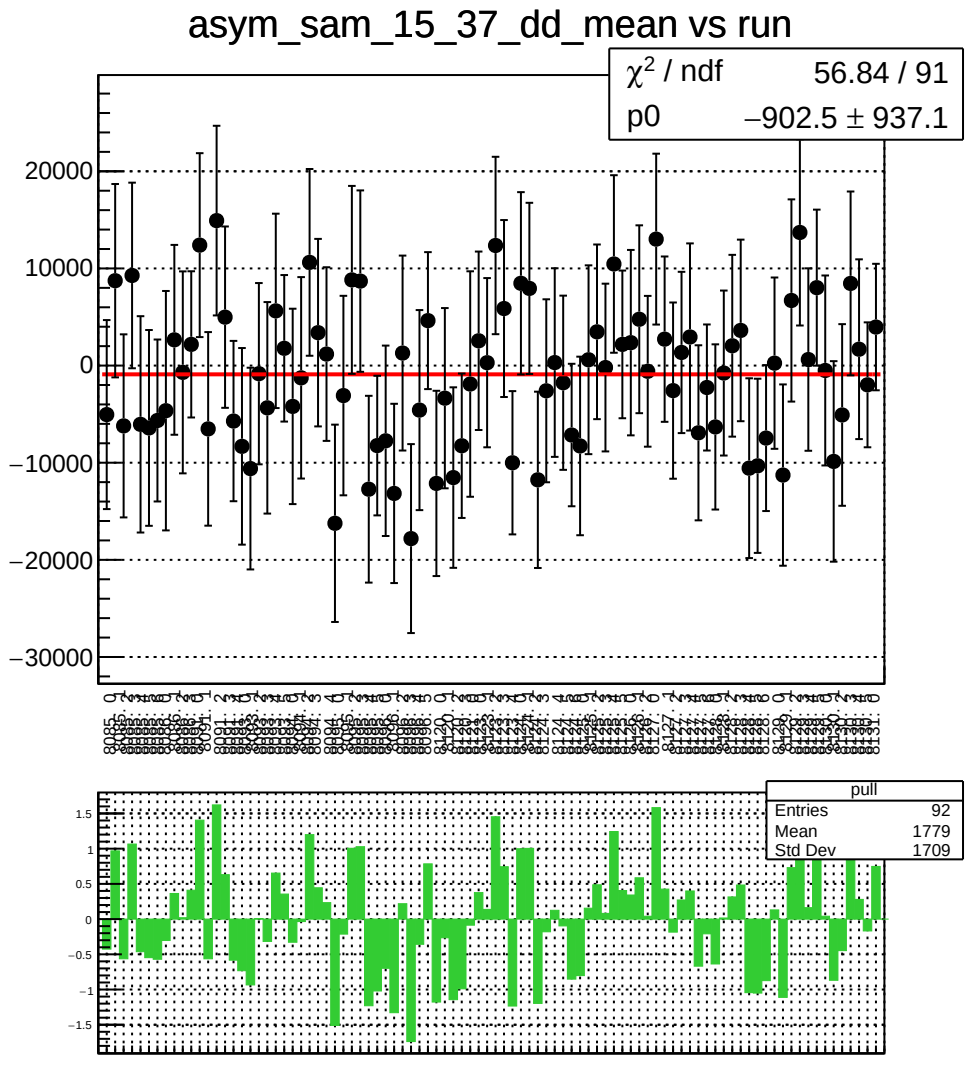

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 77.87 / 91
p0 100.5 ± 77.56
3000
2000
1000
0
−1000
−2000
pull
Entries 92
Mean 328.1
Std Dev 246.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

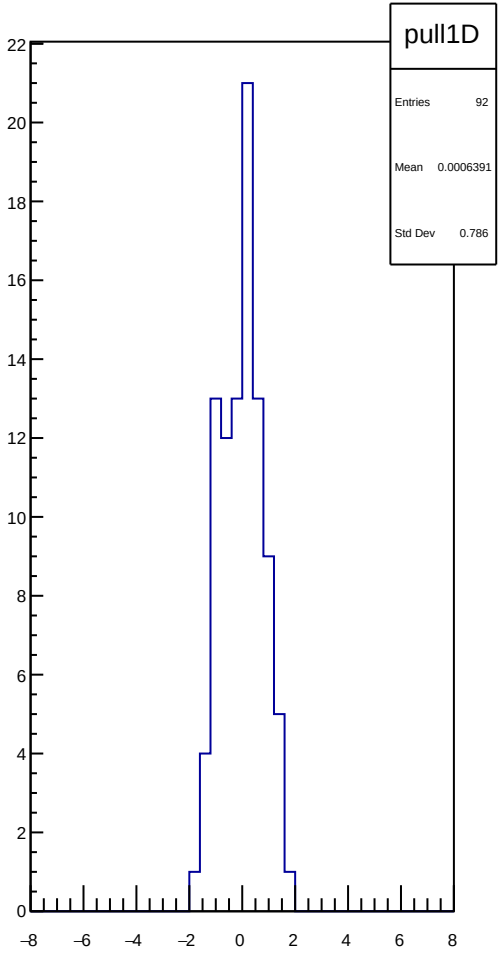

pull1D
Entries 92
Mean 0.005791
Std Dev 0.92
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

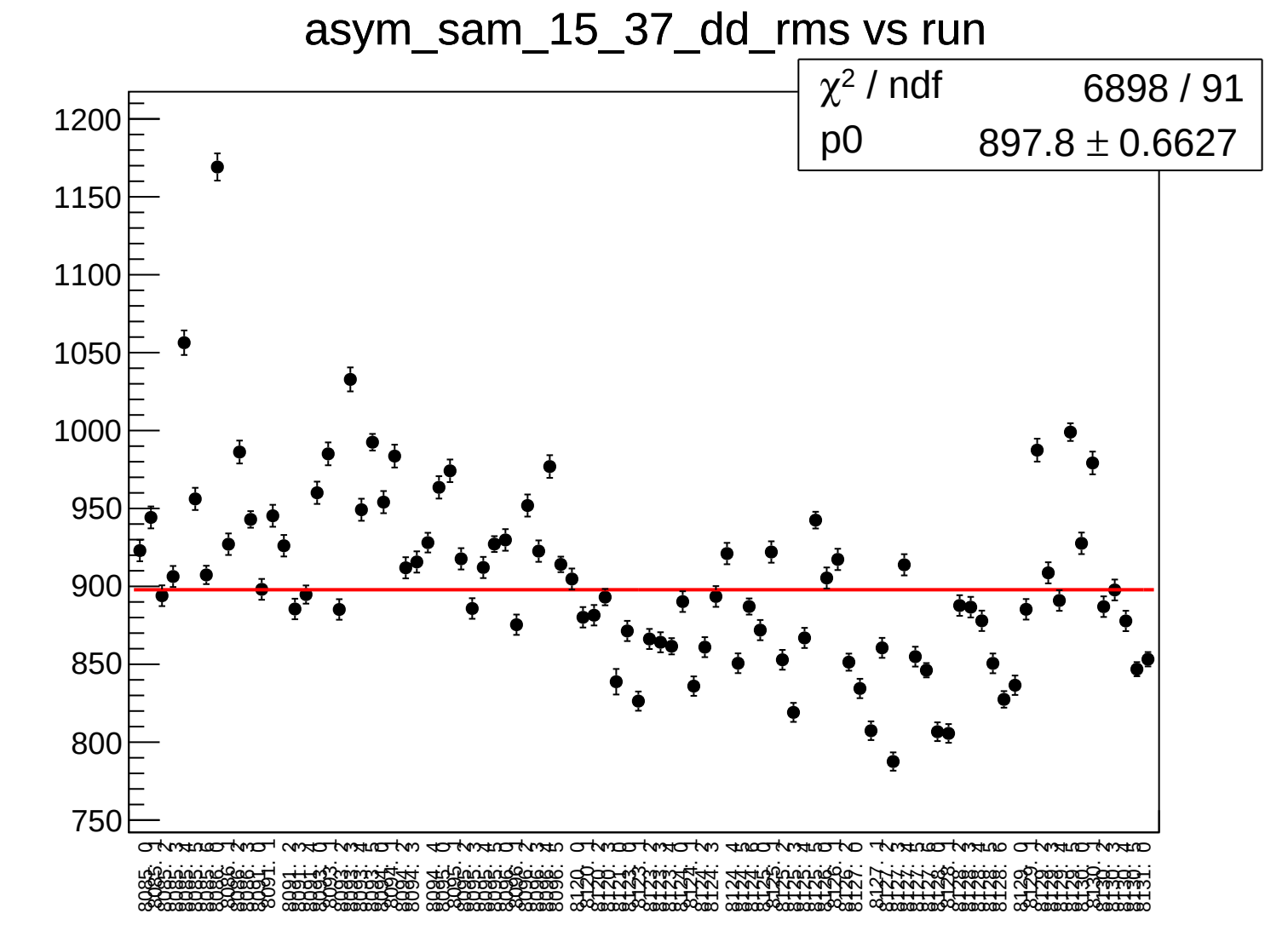

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.28e+04 / 91
p0 73.99 ± 0.05485
140
130
120
110
100
90
80
70
60

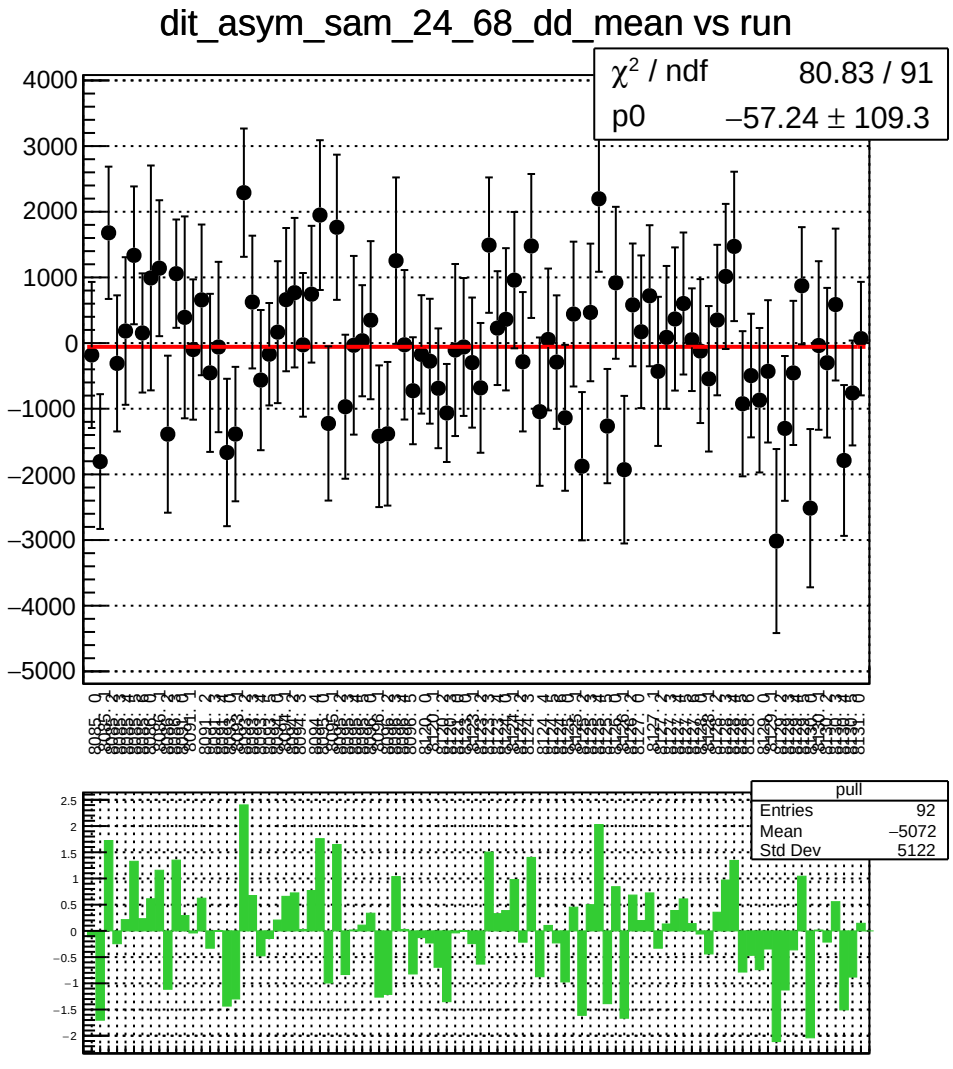

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 55.5 / 91
p0 994.4 ± 933.7
30000
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 893.8
Std Dev 822.6
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.0011
Std Dev 0.7767
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

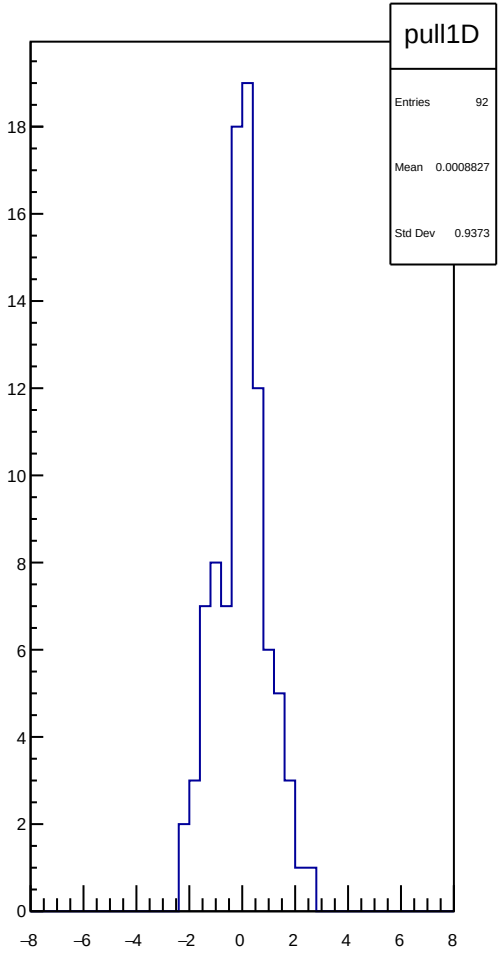

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 6453 / 91
p0 894.7 ± 0.6602
1150
1100
1050
1000
950
900
850
800
750

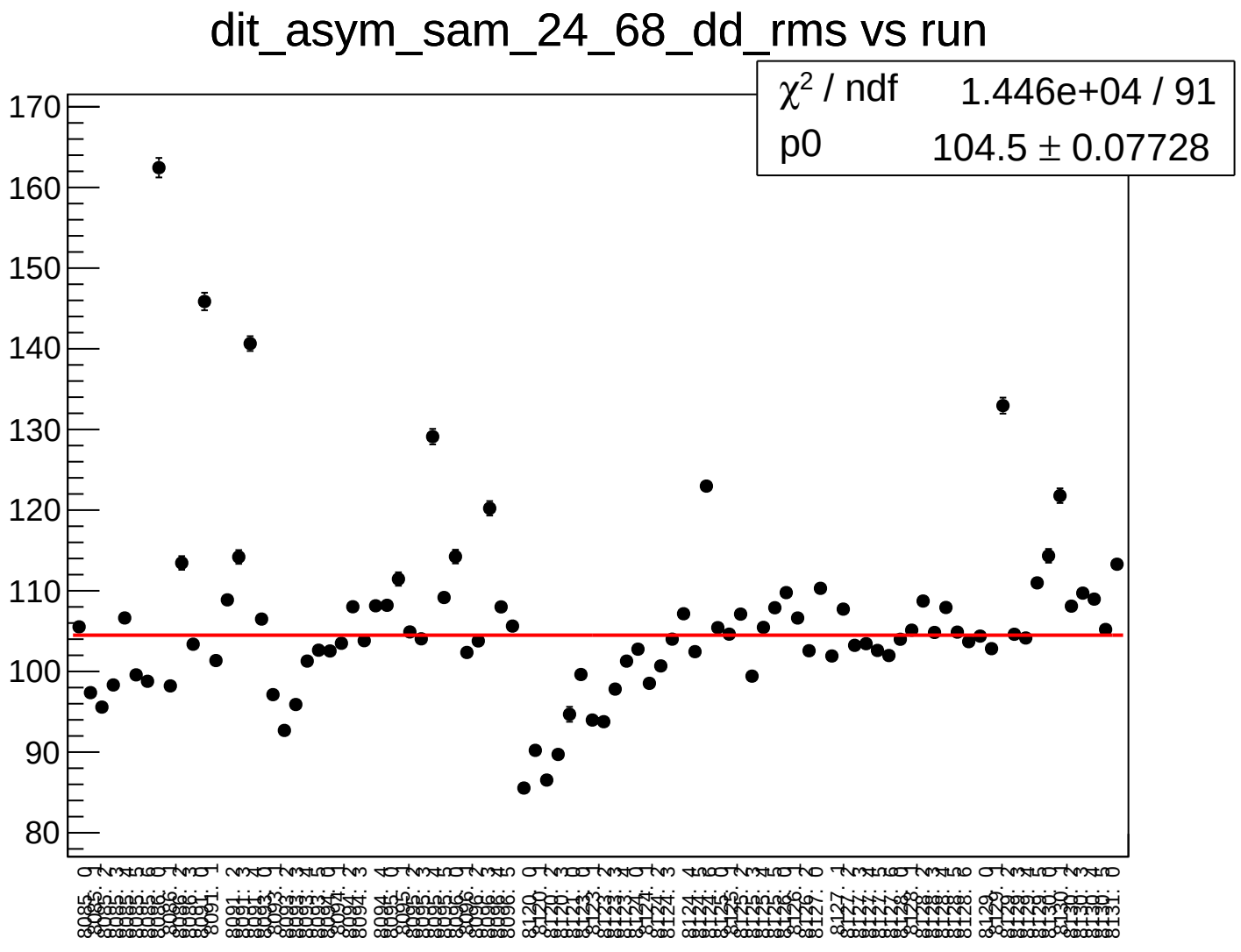

asym_sam_15_37_dd_mean vs run
χ² / ndf 56.84 / 91
p0 −902.5 ± 937.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 1779
Std Dev 1709
1.5
1
0.5
0
−0.5
−1
−1.5

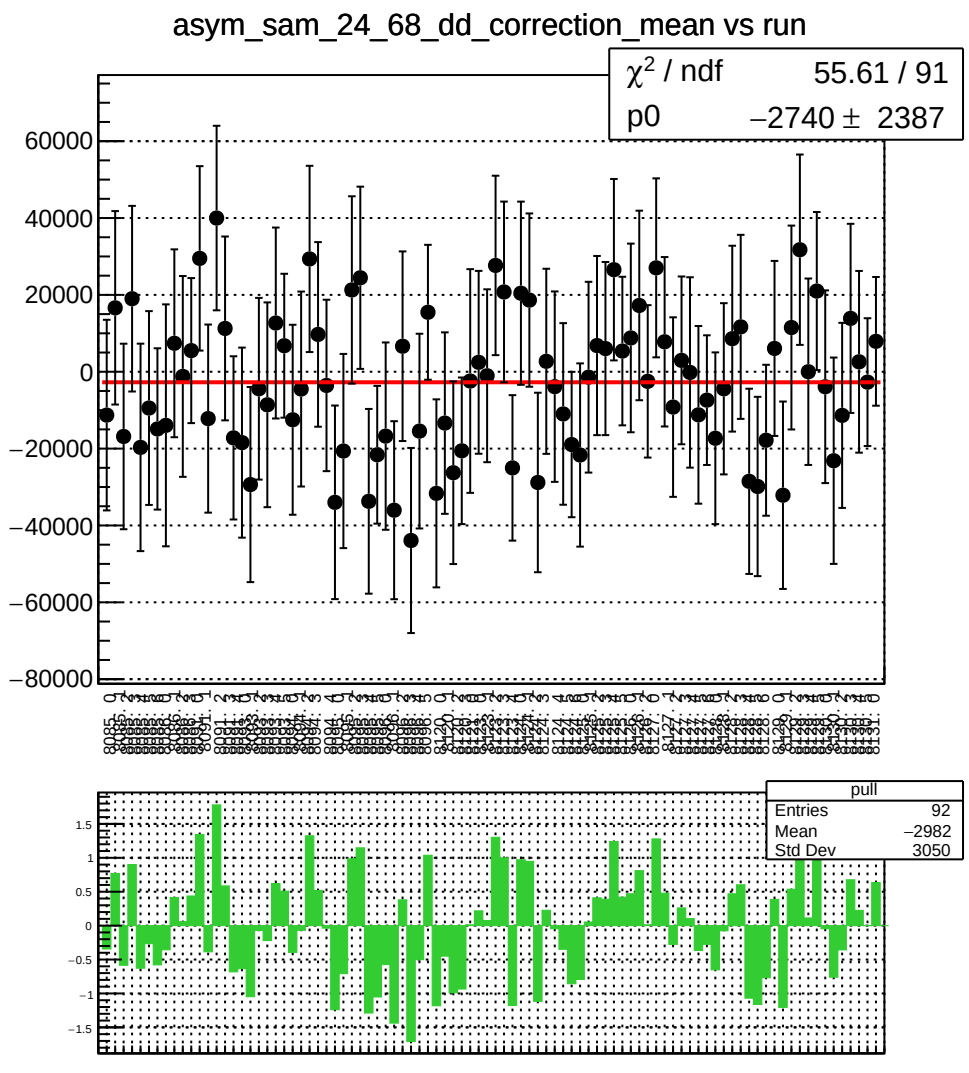

pull1D
Entries 92
Mean 0.0006391
Std Dev 0.786
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

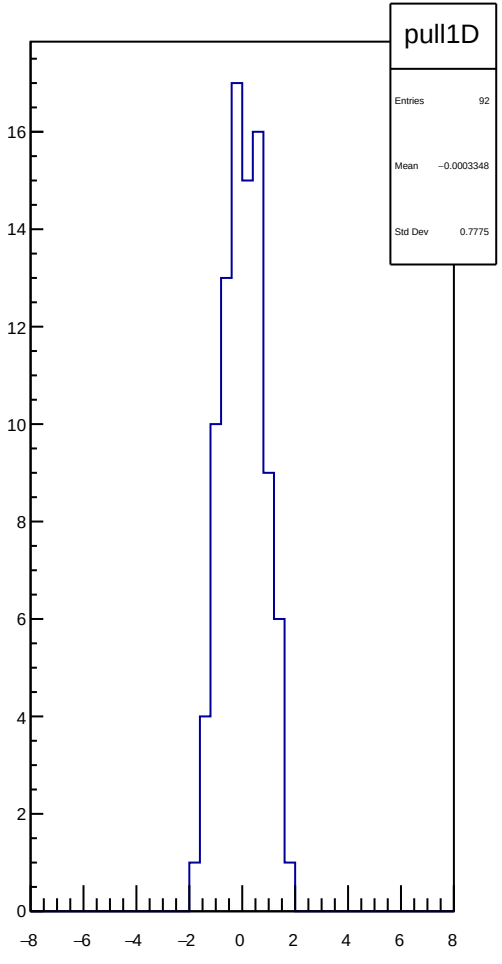

asym_sam_15_37_dd_rms vs run
χ² / ndf 6898 / 91
p0 897.8 ± 0.6627
1200
1150
1100
1050
1000
950
900
850
800
750

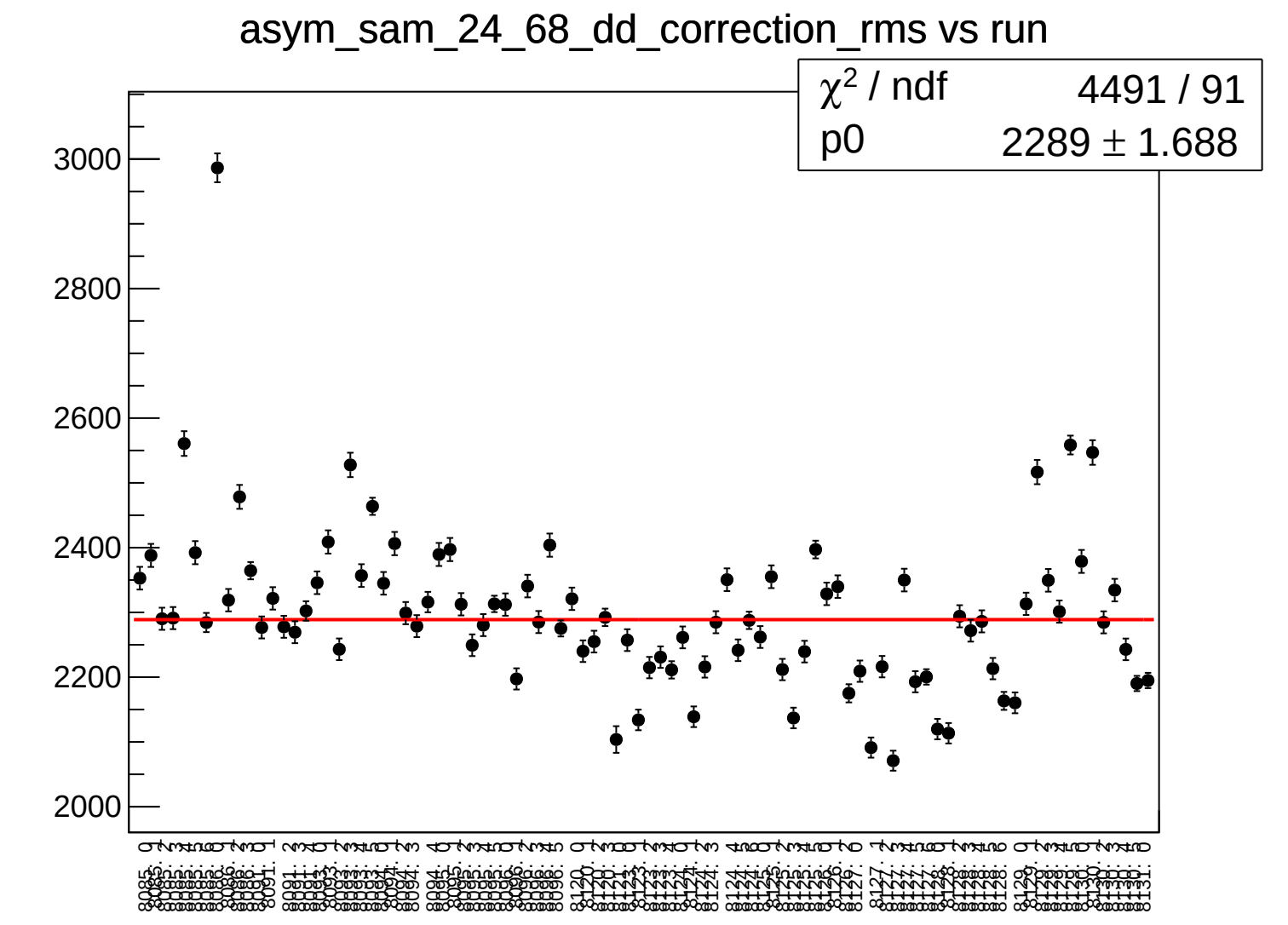

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 80.83 / 91
p0 −57.24 ± 109.3
pull
Entries 92
Mean −5072
Std Dev 5122

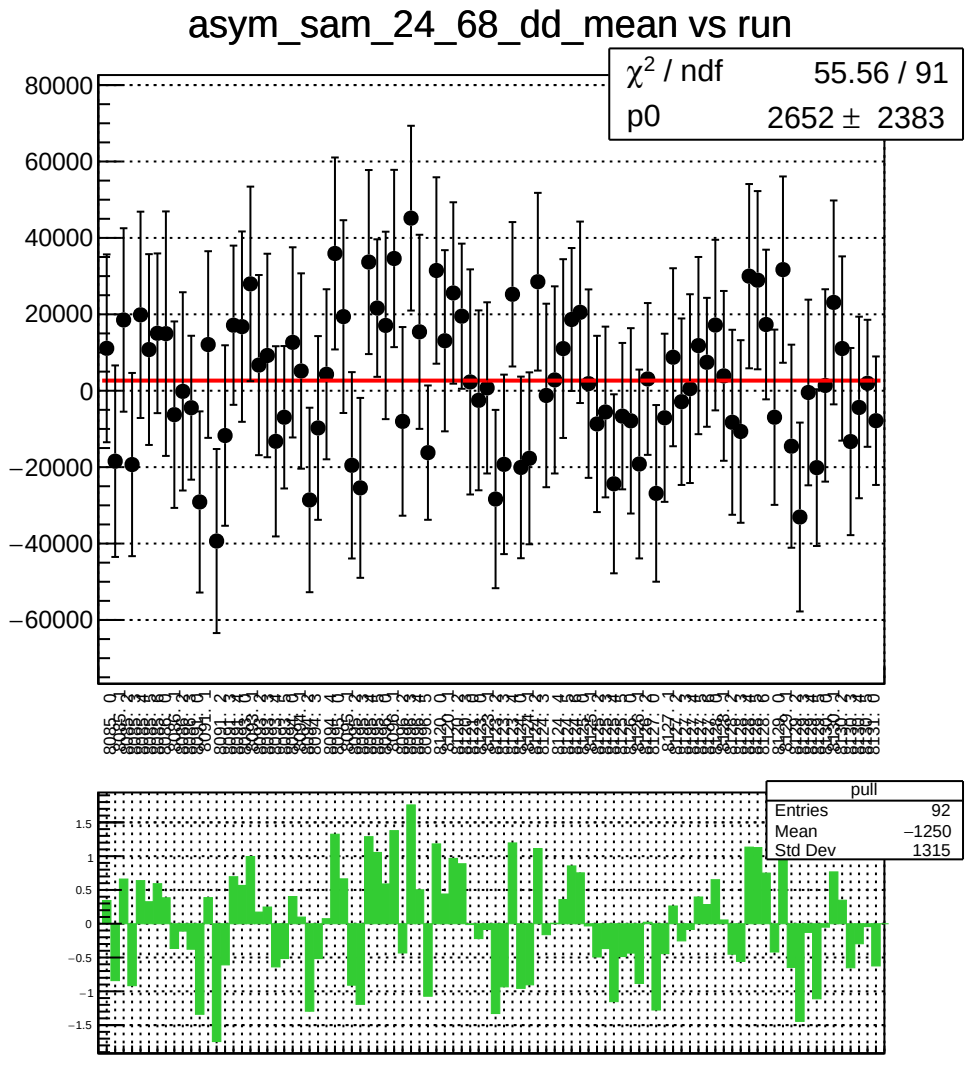

pull1D
Entries 92
Mean 0.0008827
Std Dev 0.9373

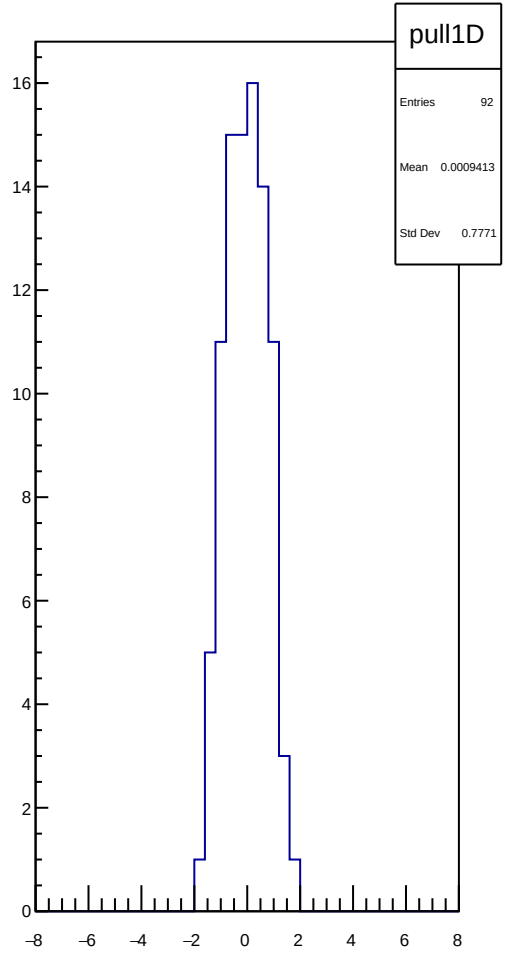

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.446e+04 / 91
p0 104.5 ± 0.07728
170
160
150
140
130
120
110
100
90
80

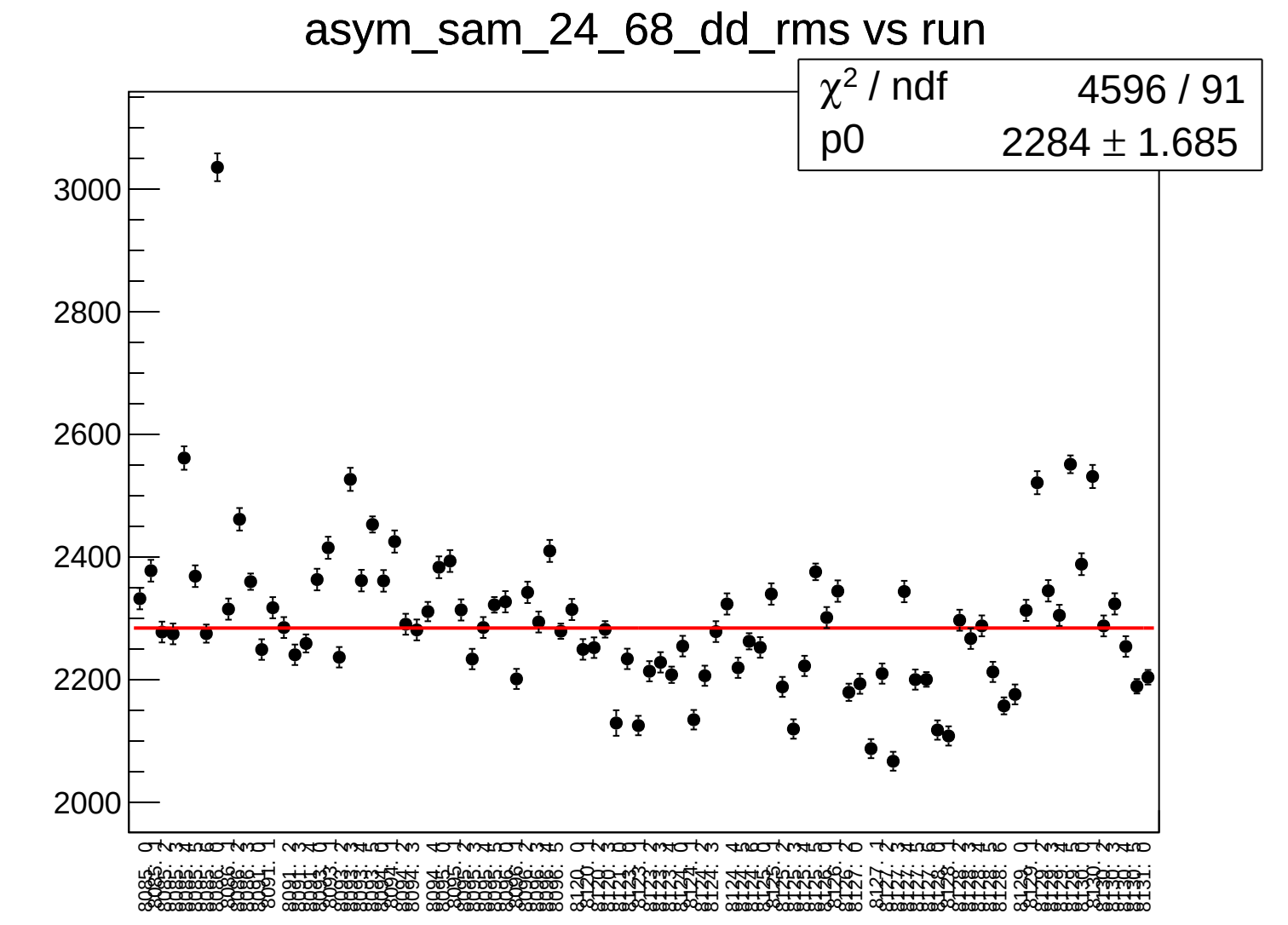

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 55.61 / 91
p0 −2740 ± 2387
pull
Entries 92
Mean −2982
Std Dev 3050

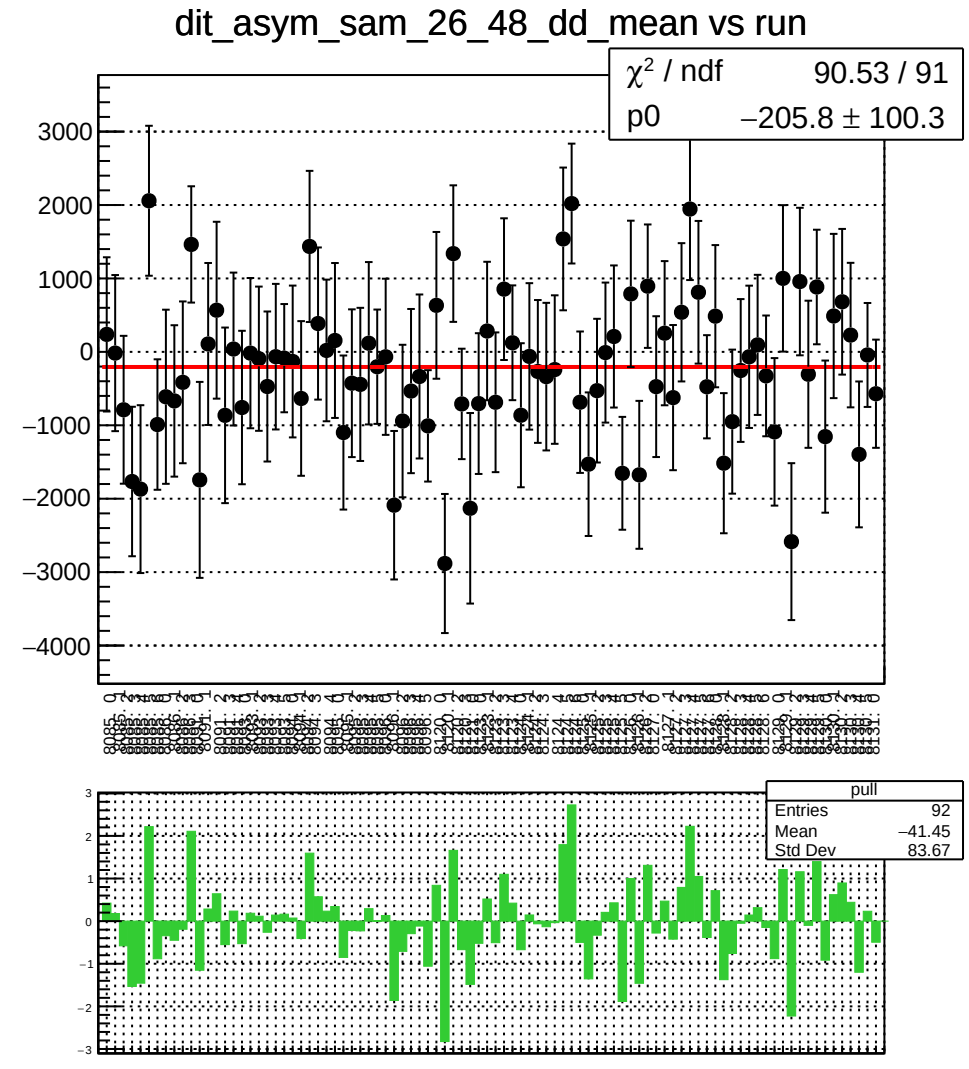

pull1D
Entries 92
Mean −0.0003348
Std Dev 0.7775

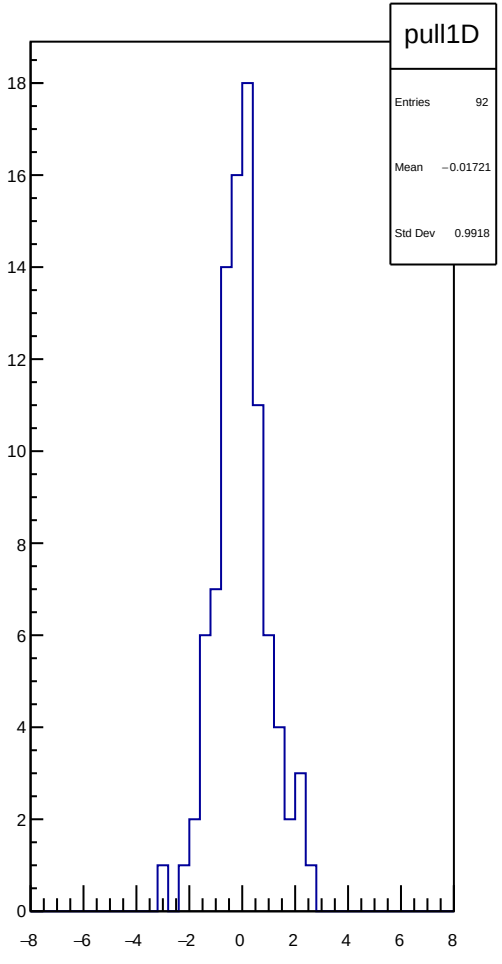

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4491 / 91
p0 2289 ± 1.688
3000
2800
2600
2400
2200
2000

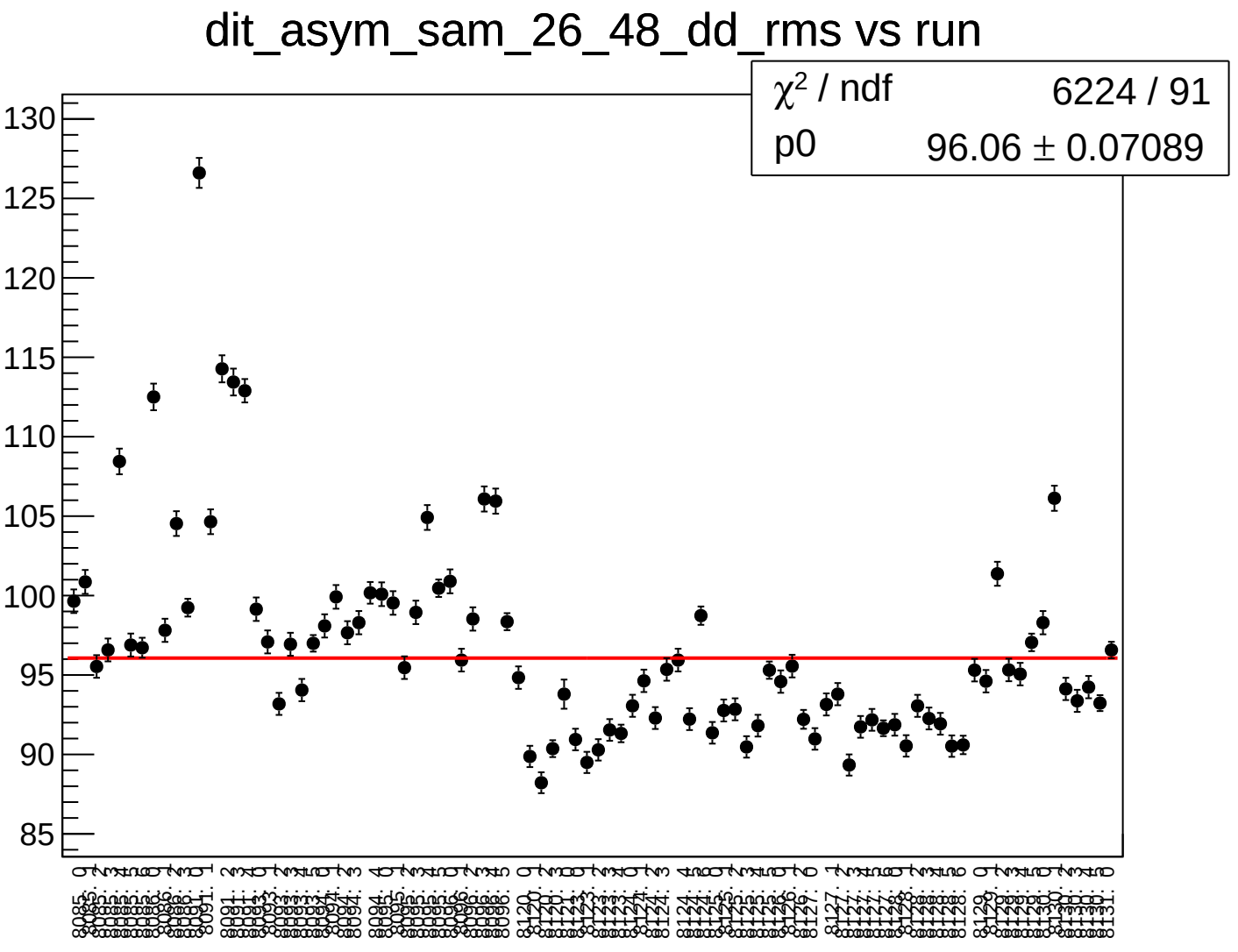

asym_sam_24_68_dd_mean vs run
χ² / ndf 55.56 / 91
p0 2652 ± 2383
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −1250
Std Dev 1315
1.5
1
0.5
0
−0.5
−1
−1.5

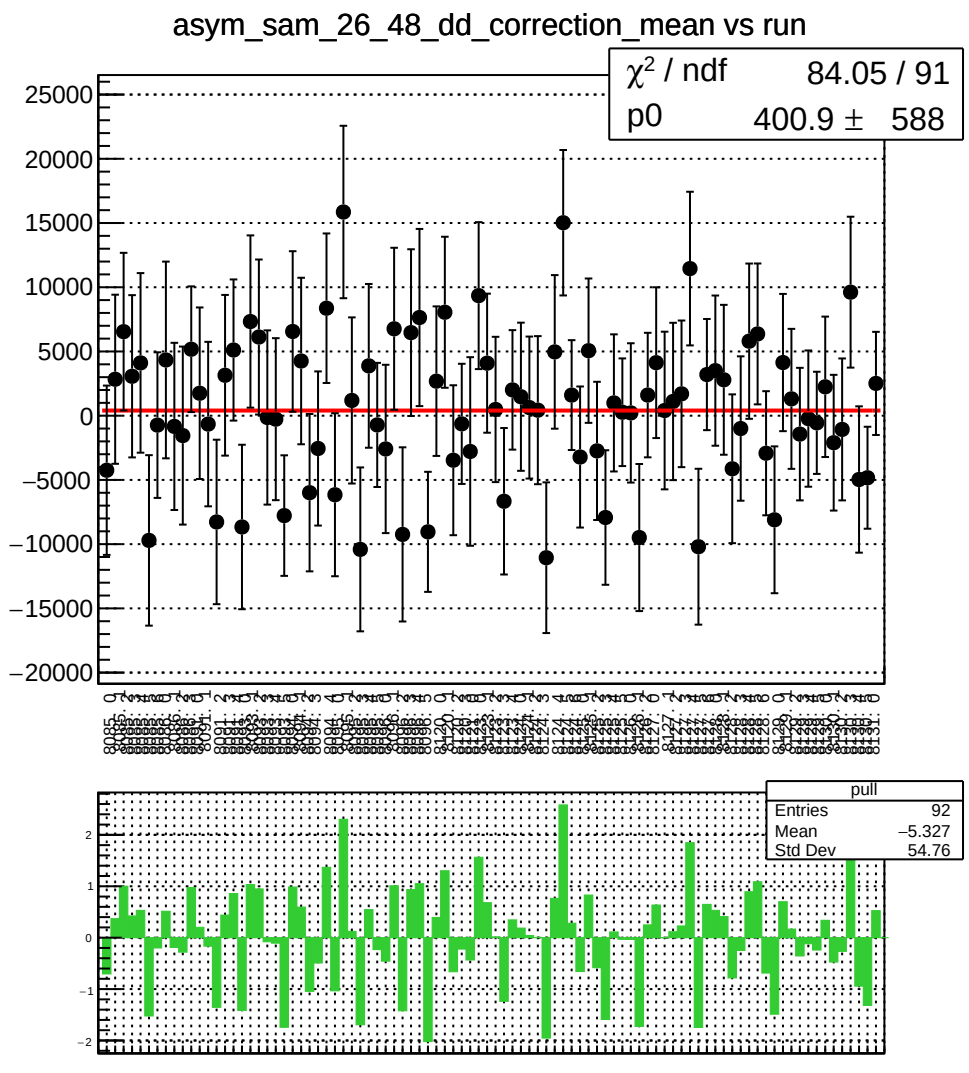

pull1D
Entries 92
Mean 0.0009413
Std Dev 0.7771
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

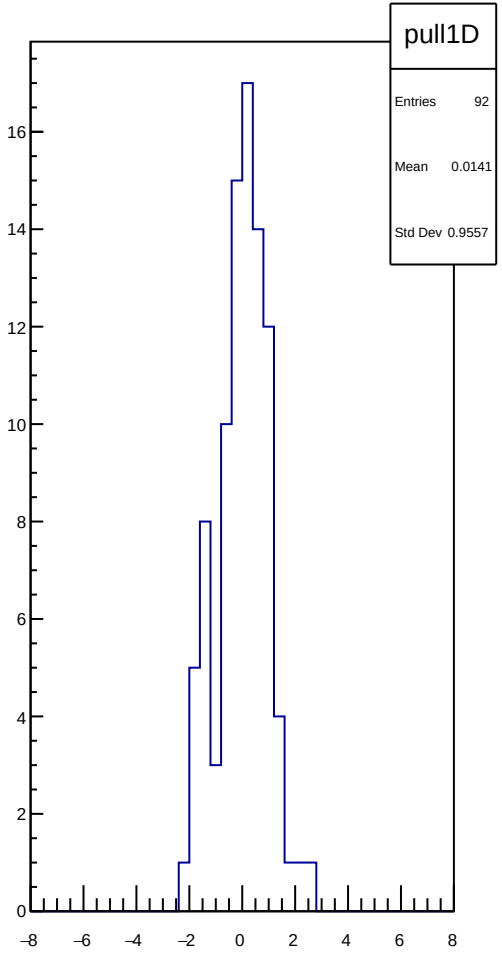

asym_sam_24_68_dd_rms vs run
χ² / ndf 4596 / 91
p0 2284 ± 1.685
3000
2800
2600
2400
2200
2000

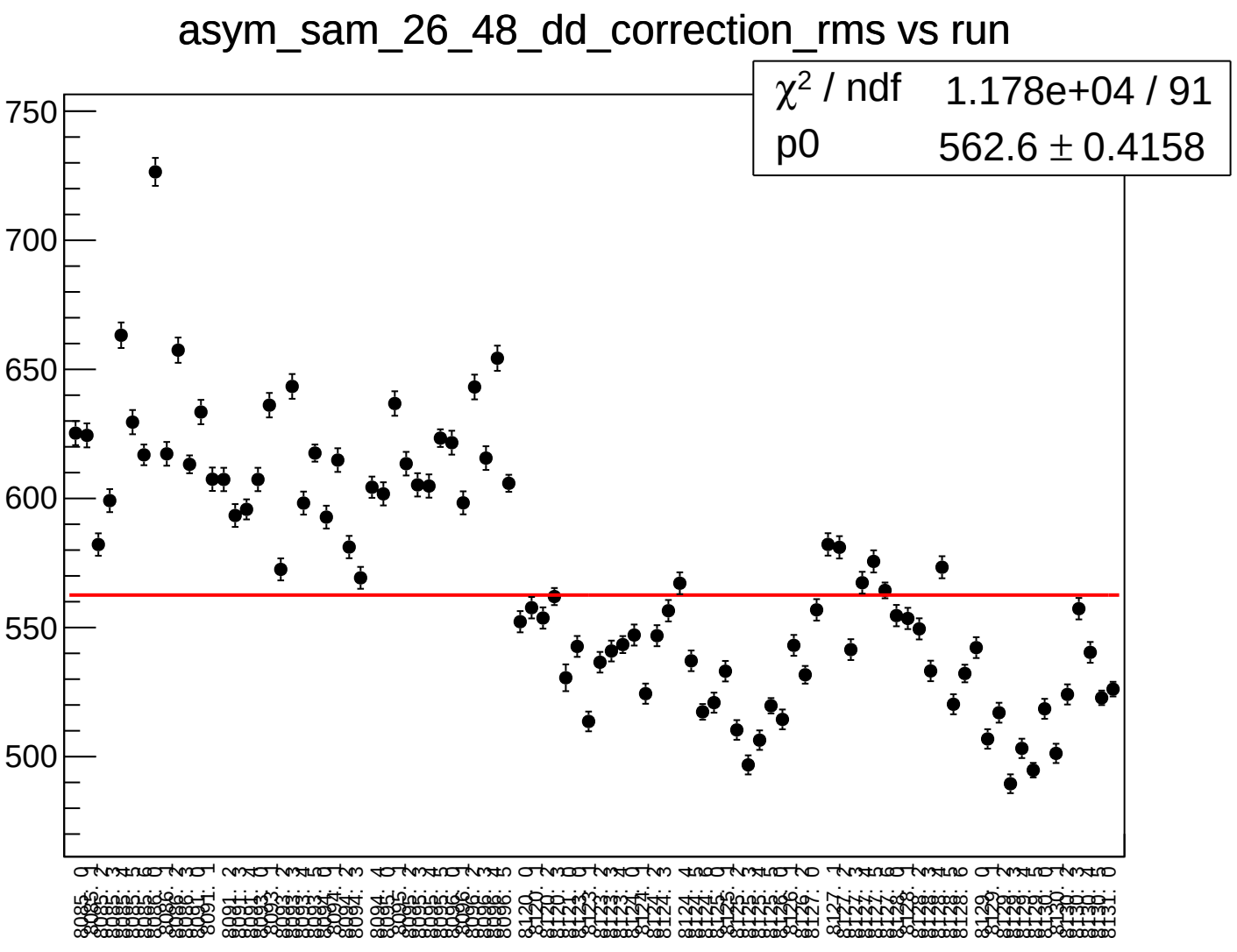

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 90.53 / 91
p0 −205.8 ± 100.3
pull
Entries 92
Mean −41.45
Std Dev 83.67

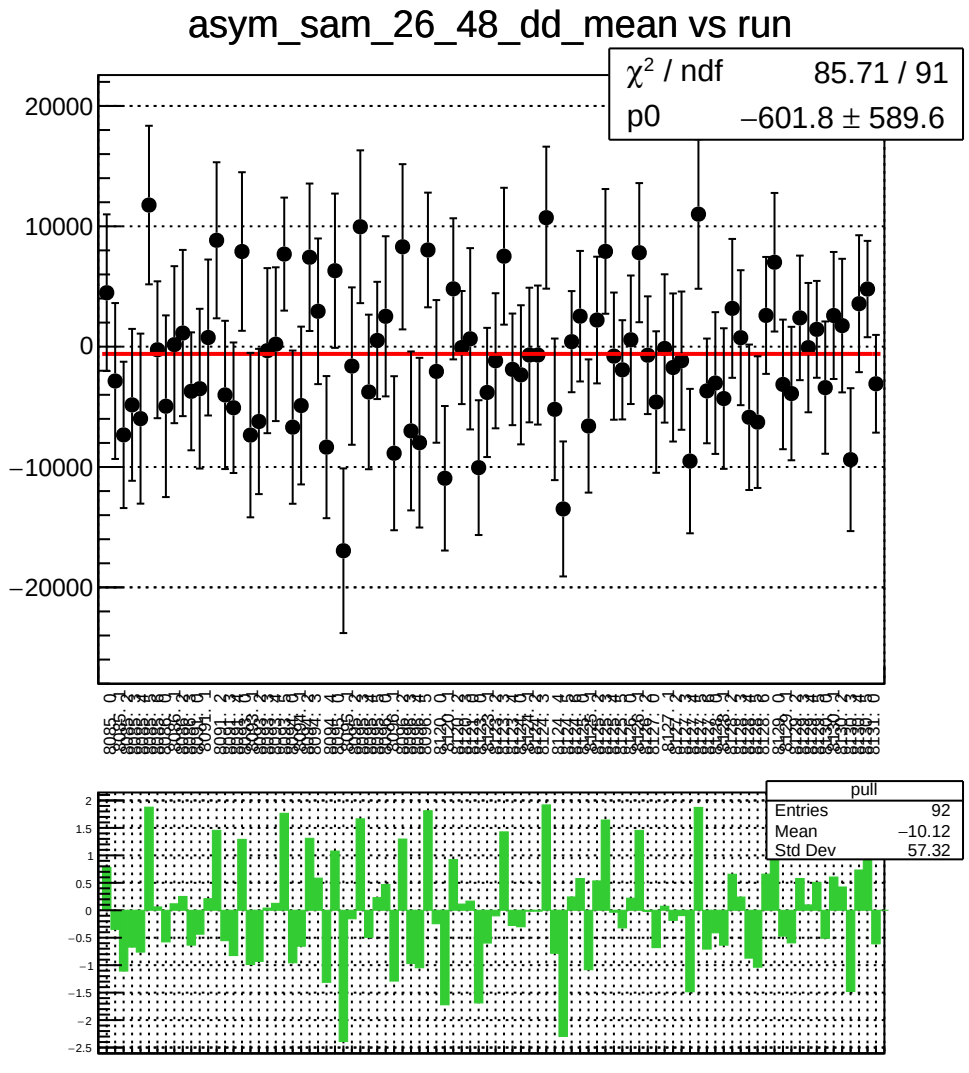

pull1D
Entries 92
Mean −0.01721
Std Dev 0.9918

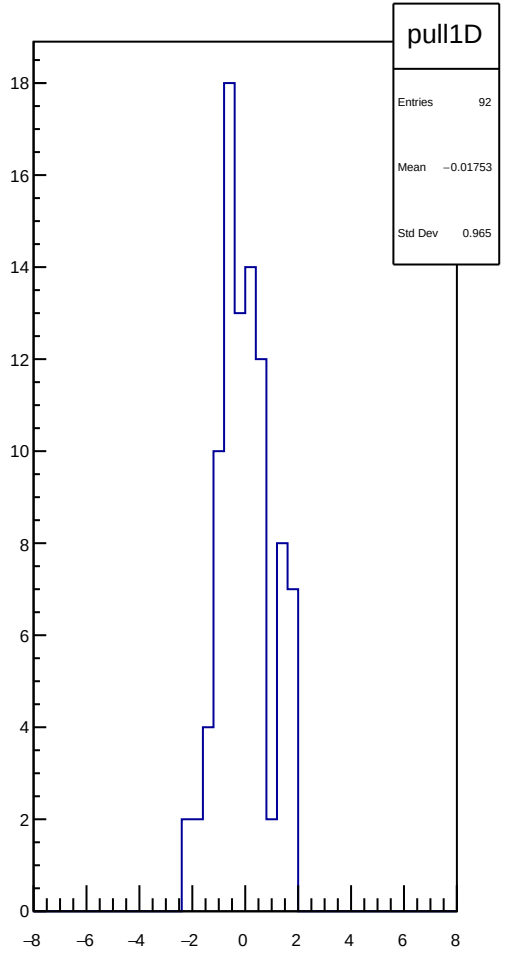

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 6224 / 91
p0 96.06 ± 0.07089
130
125
120
115
110
105
100
95
90
85

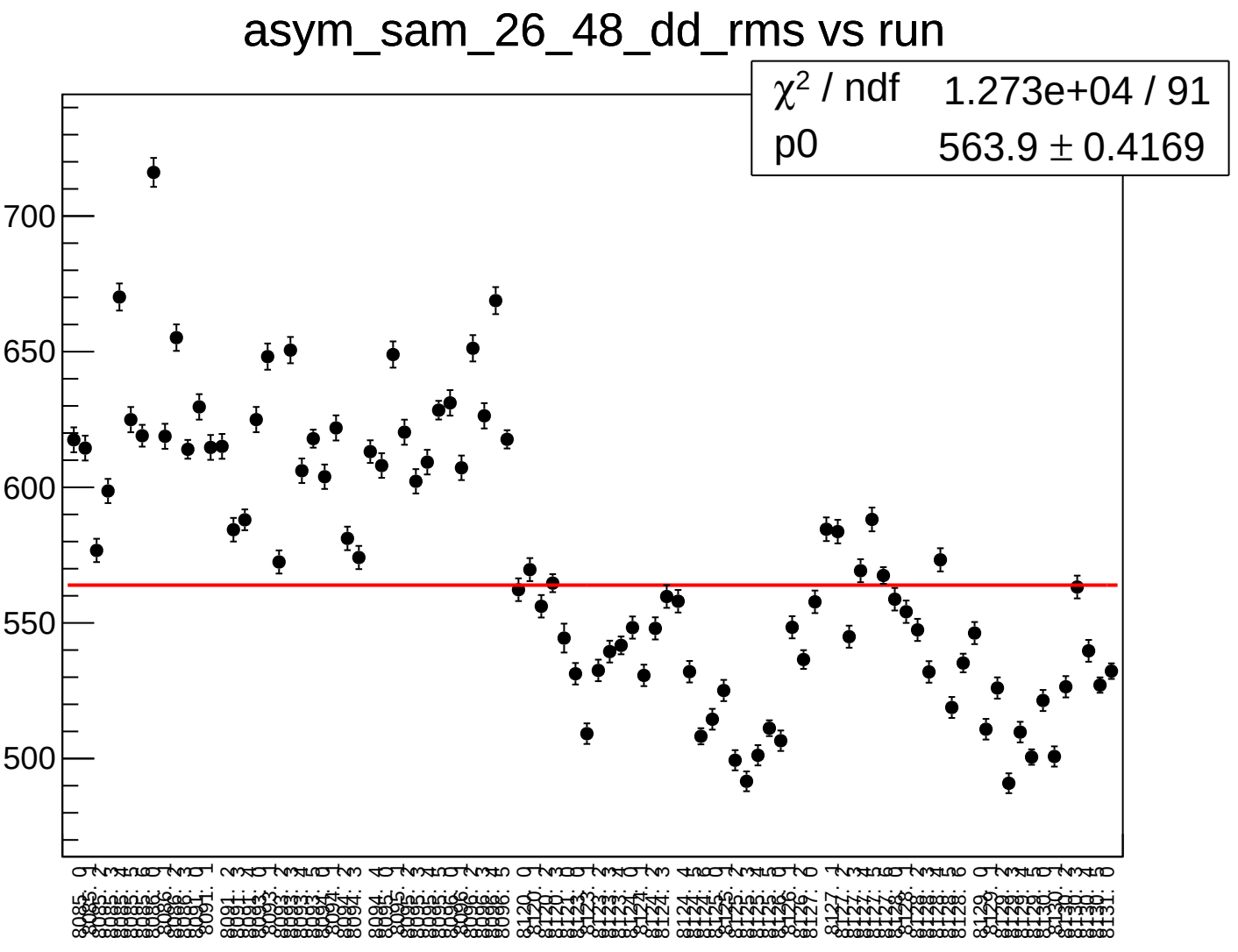

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 84.05 / 91
p0 400.9 ± 588
pull
Entries 92
Mean −5.327
Std Dev 54.76

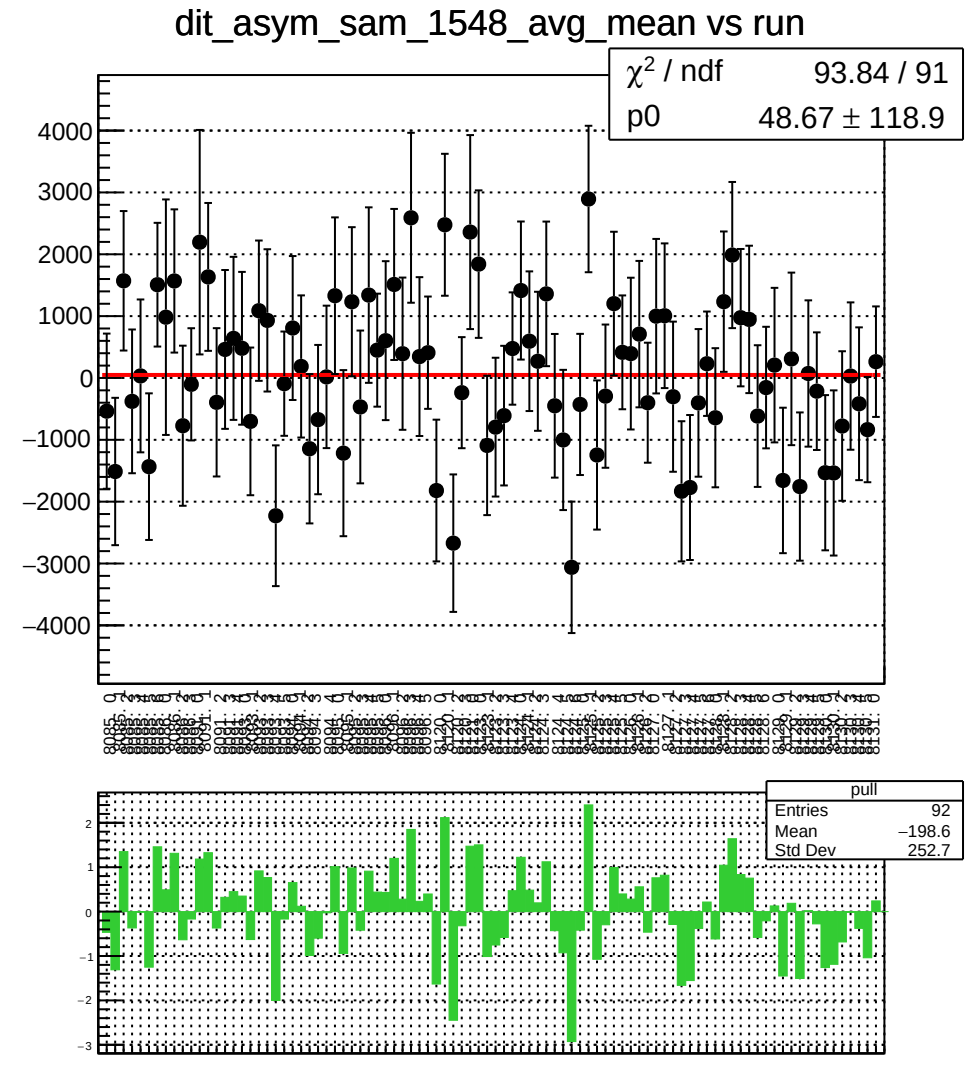

pull1D
Entries 92
Mean 0.0141
Std Dev 0.9557

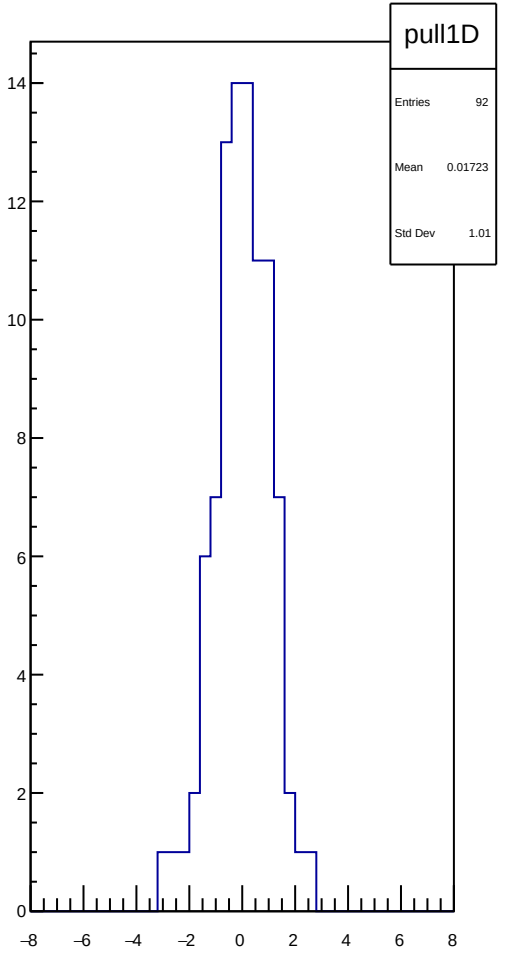

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1.178e+04 / 91
p0 562.6 ± 0.4158
750
700
650
600
550
500

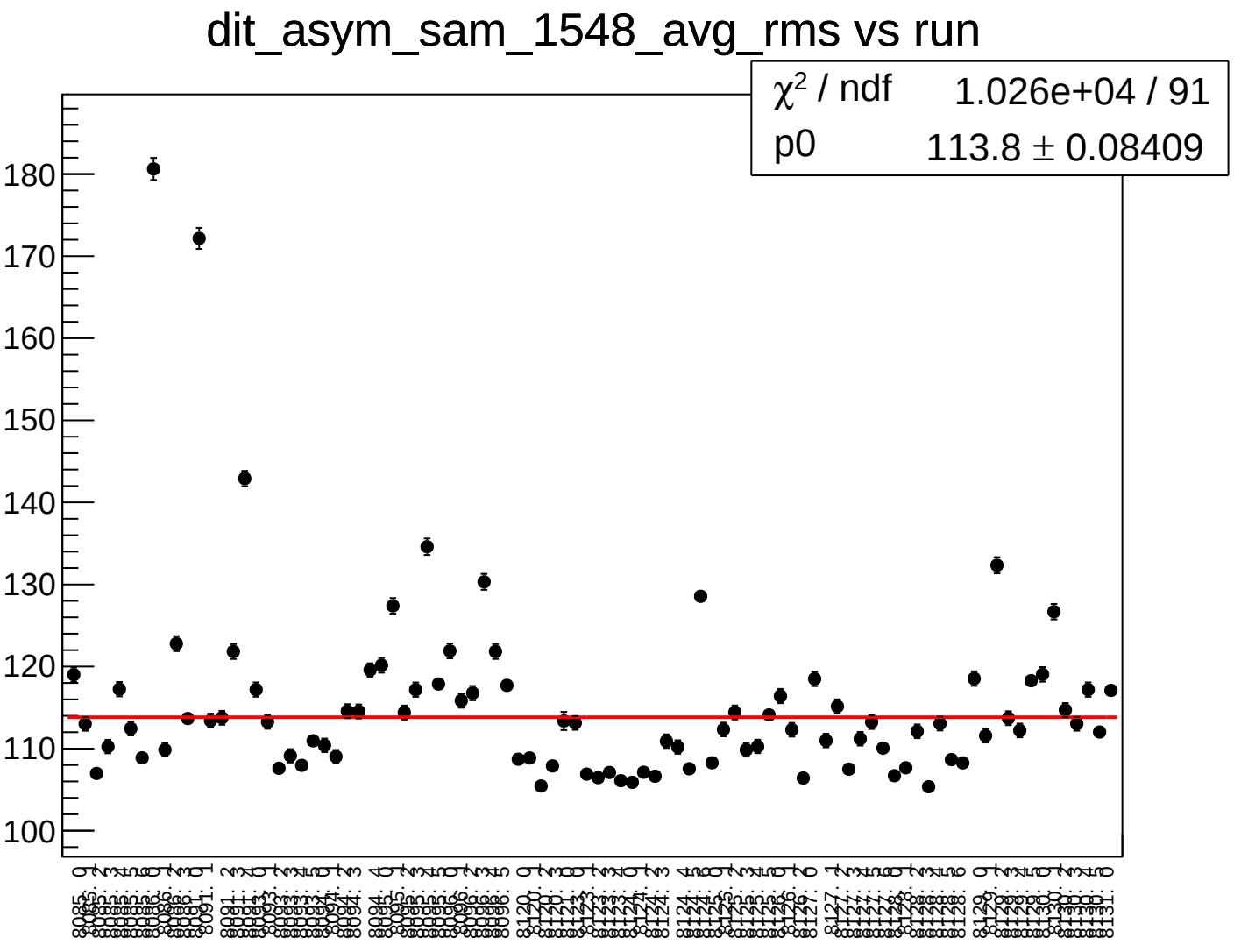

asym_sam_26_48_dd_mean vs run
χ² / ndf 85.71 / 91
p0 −601.8 ± 589.6
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −10.12
Std Dev 57.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

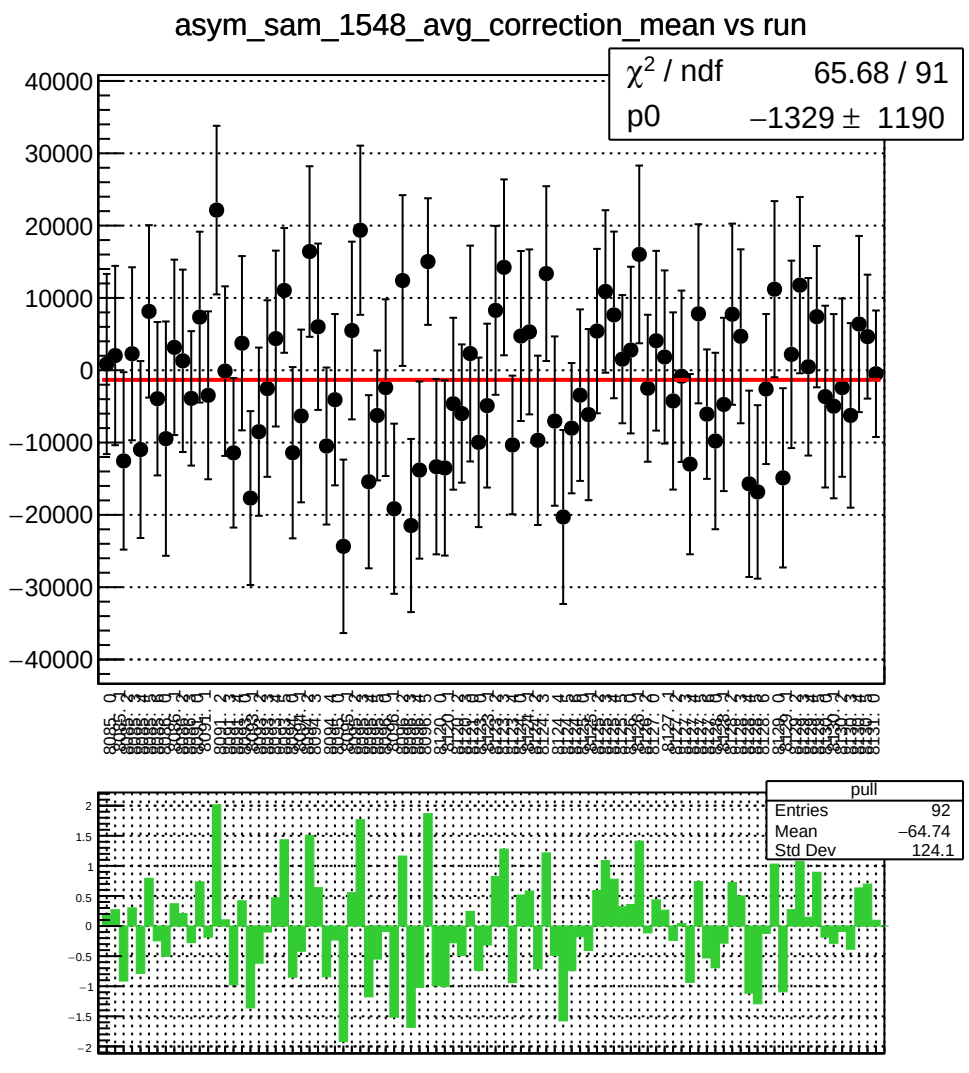

pull1D
Entries 92
Mean −0.01753
Std Dev 0.965
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

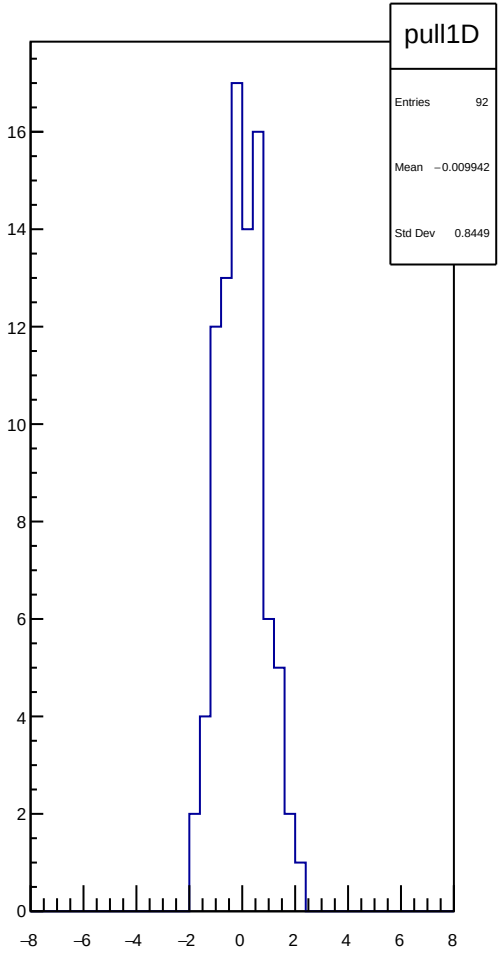

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.273e+04 / 91
p0 563.9 ± 0.4169
700
650
600
550
500

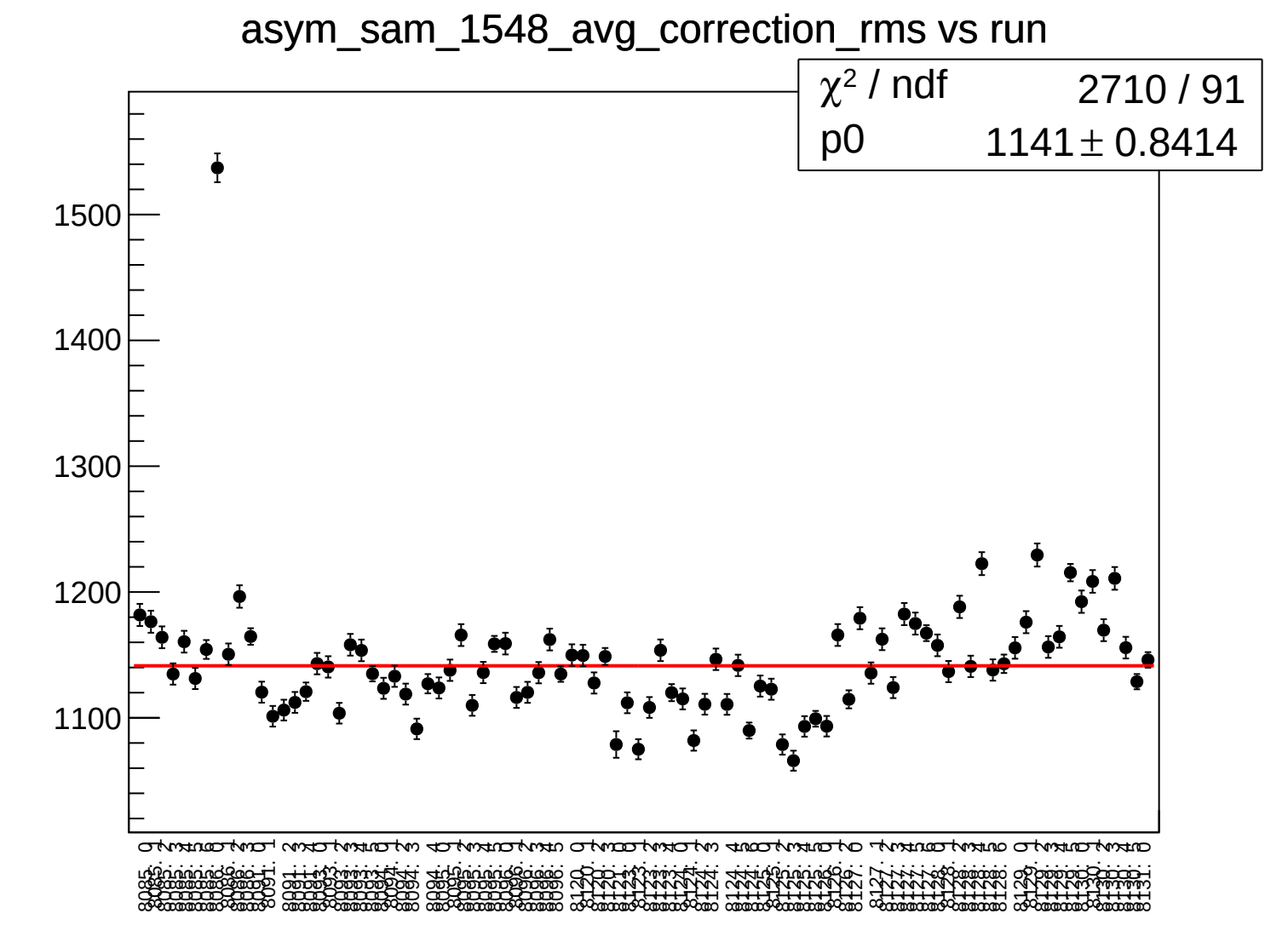

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 93.84 / 91
p0 48.67 ± 118.9
pull
Entries 92
Mean −198.6
Std Dev 252.7

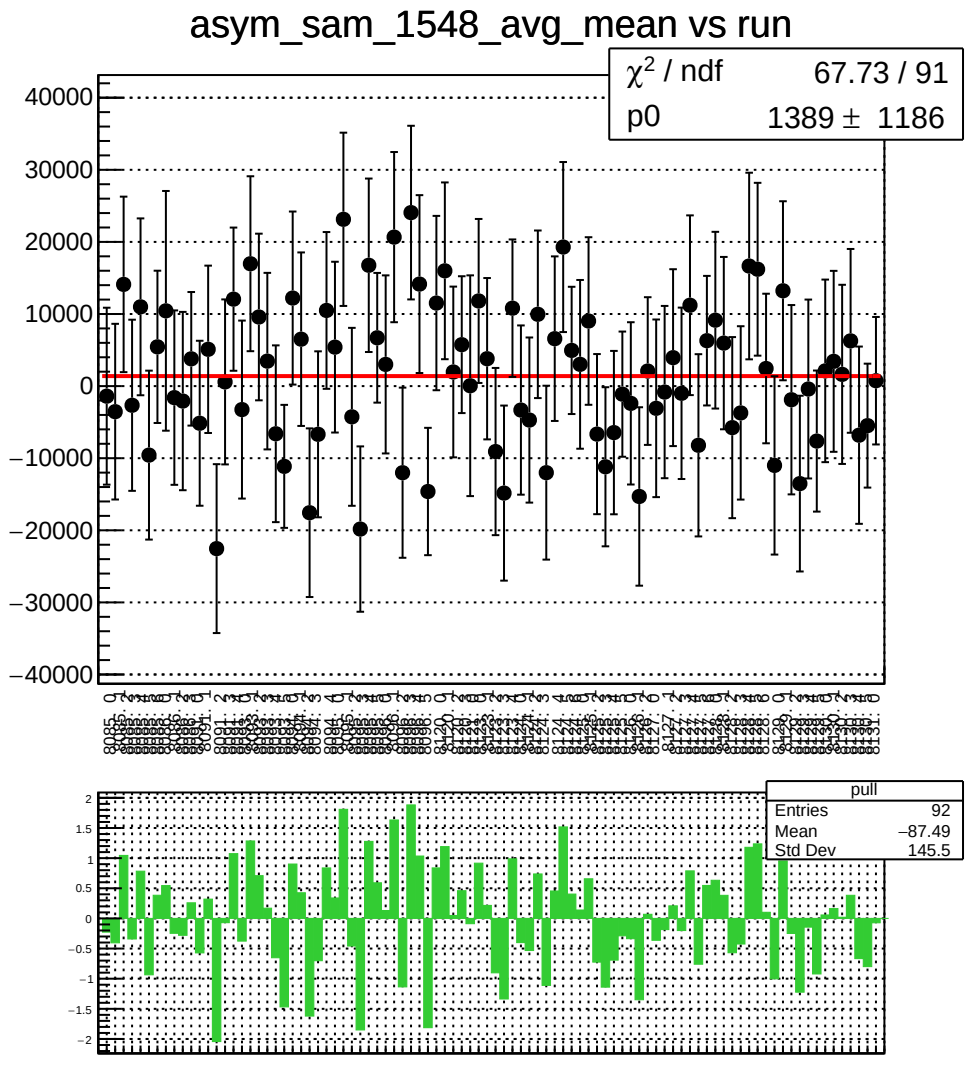

pull1D
Entries 92
Mean 0.01723
Std Dev 1.01

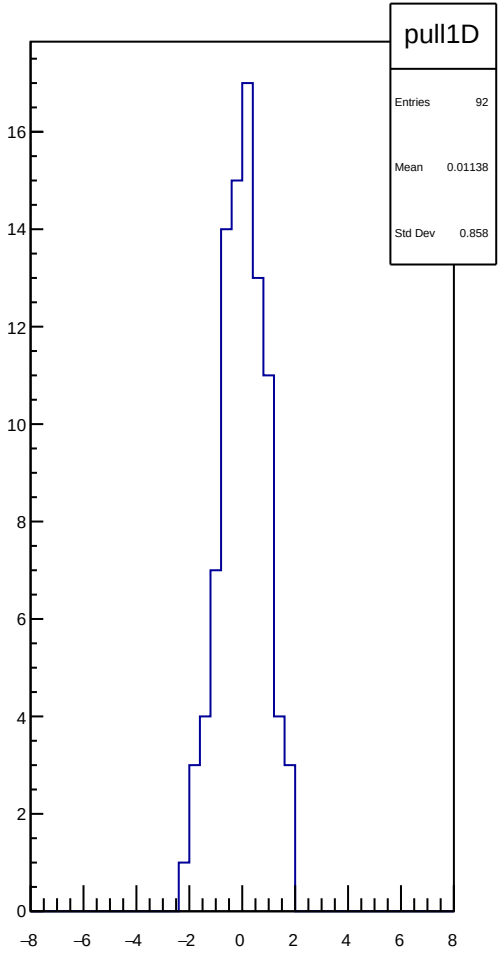

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.026e+04 / 91
p0 113.8 ± 0.08409
180
170
160
150
140
130
120
110
100

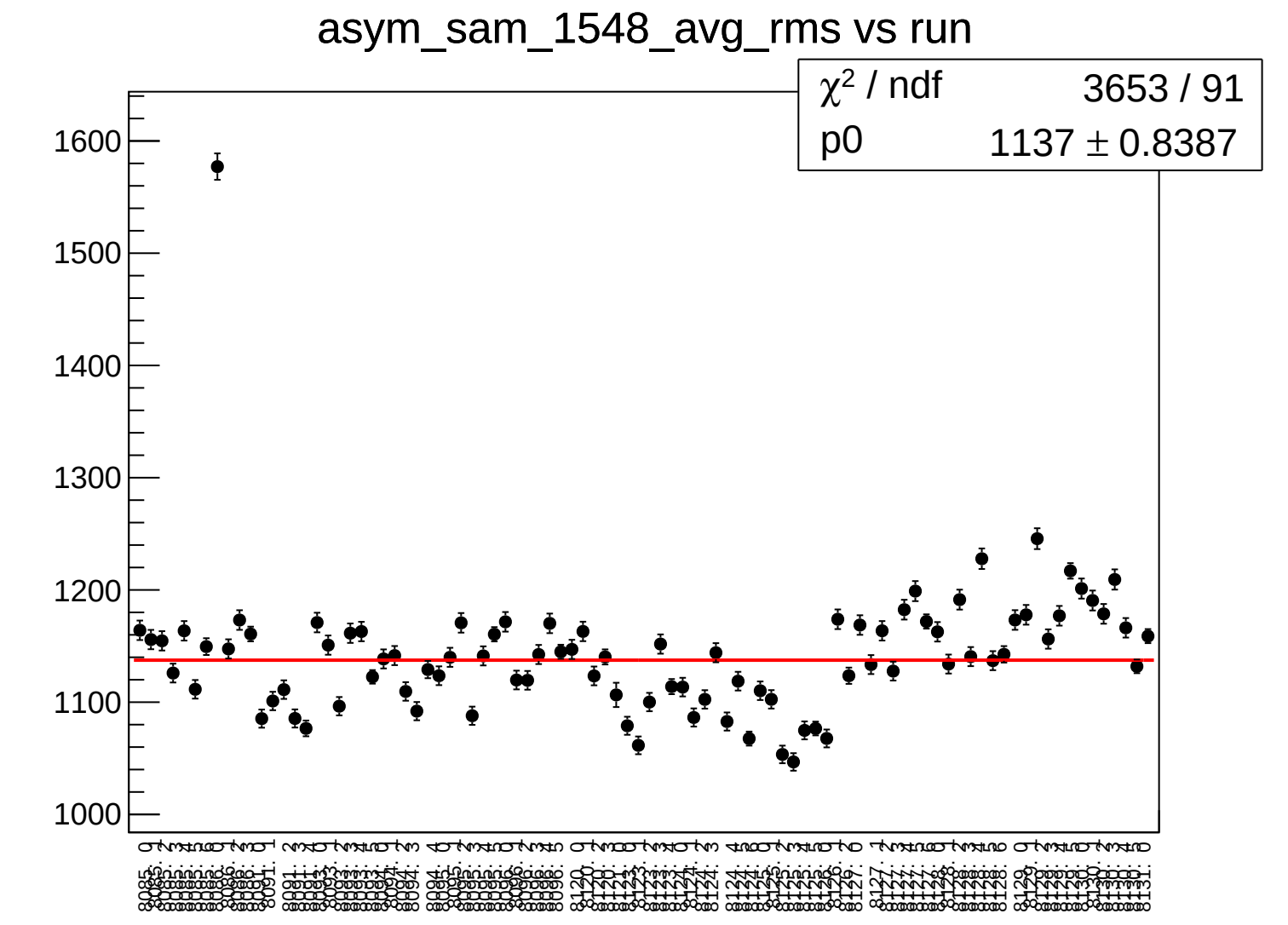

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 65.68 / 91
p0 −1329 ± 1190
pull
Entries 92
Mean −64.74
Std Dev 124.1

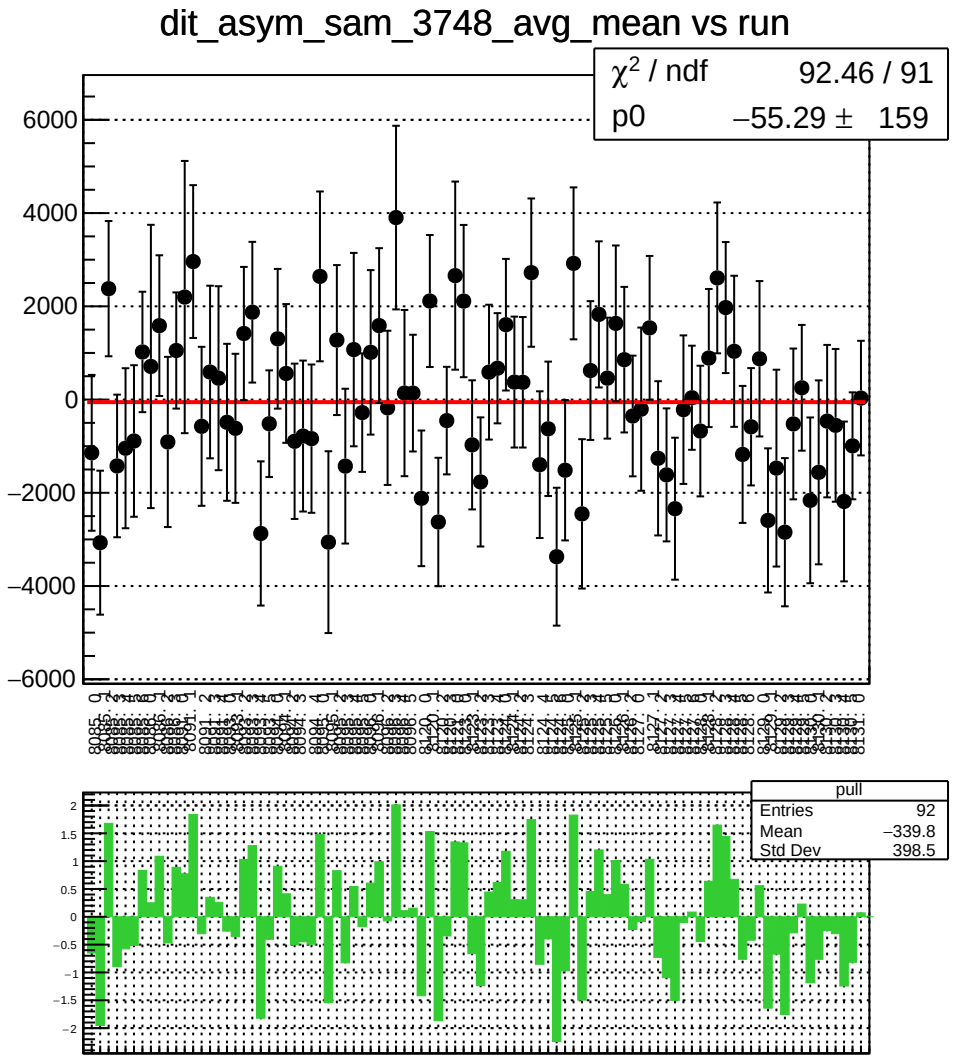

pull1D
Entries 92
Mean −0.009942
Std Dev 0.8449

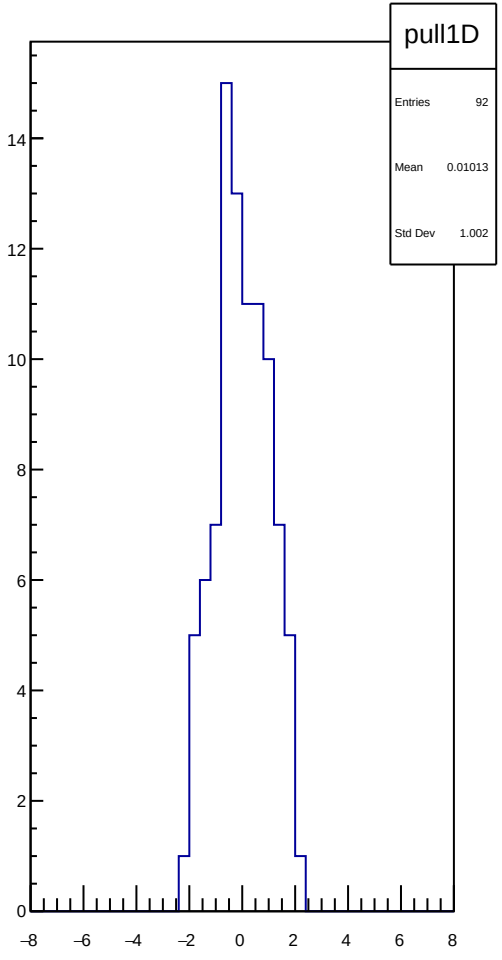

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2710 / 91
p0 1141 ± 0.8414
1500
1400
1300
1200
1100

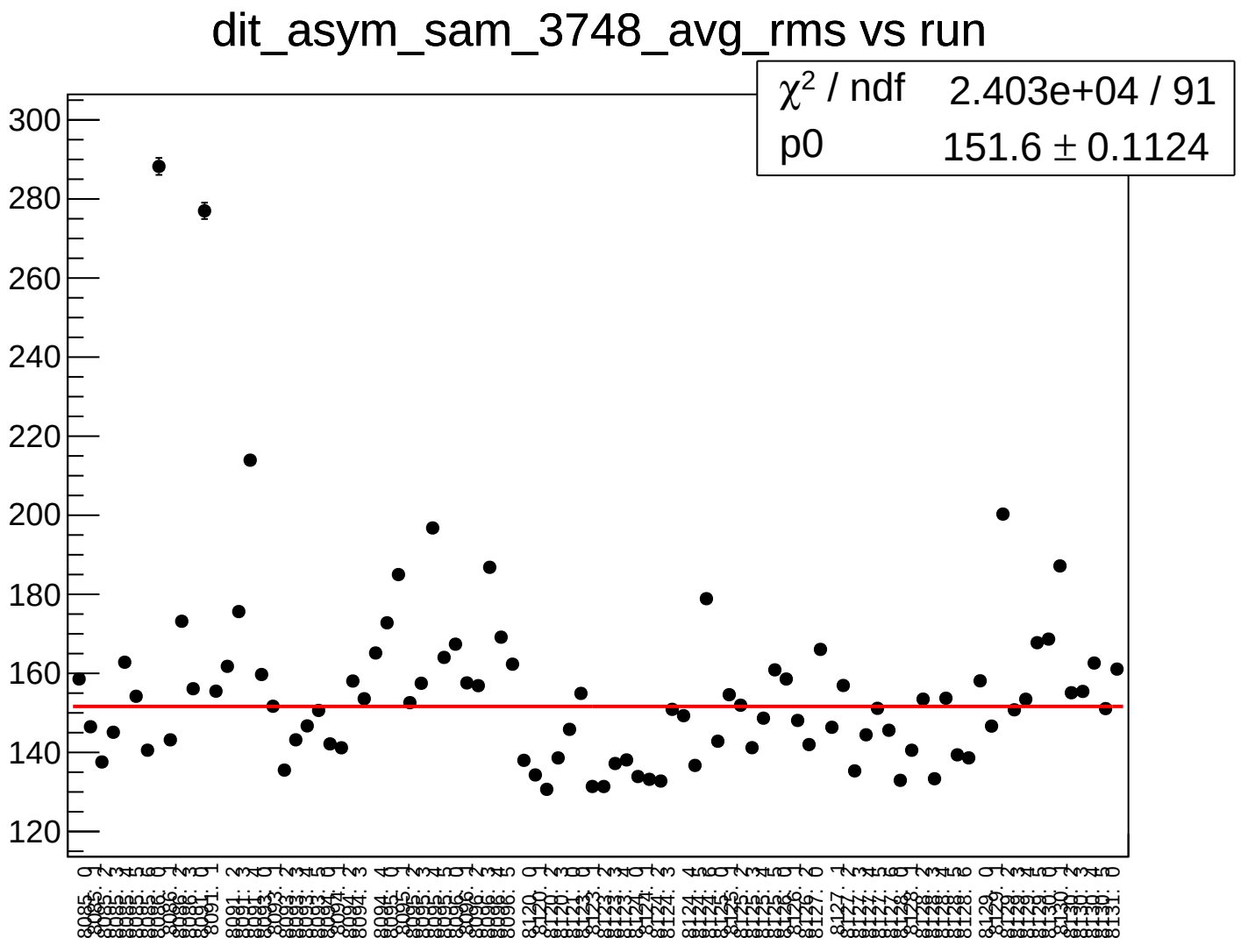

asym_sam_1548_avg_mean vs run
χ² / ndf 67.73 / 91
p0 1389 ± 1186
pull
Entries 92
Mean −87.49
Std Dev 145.5

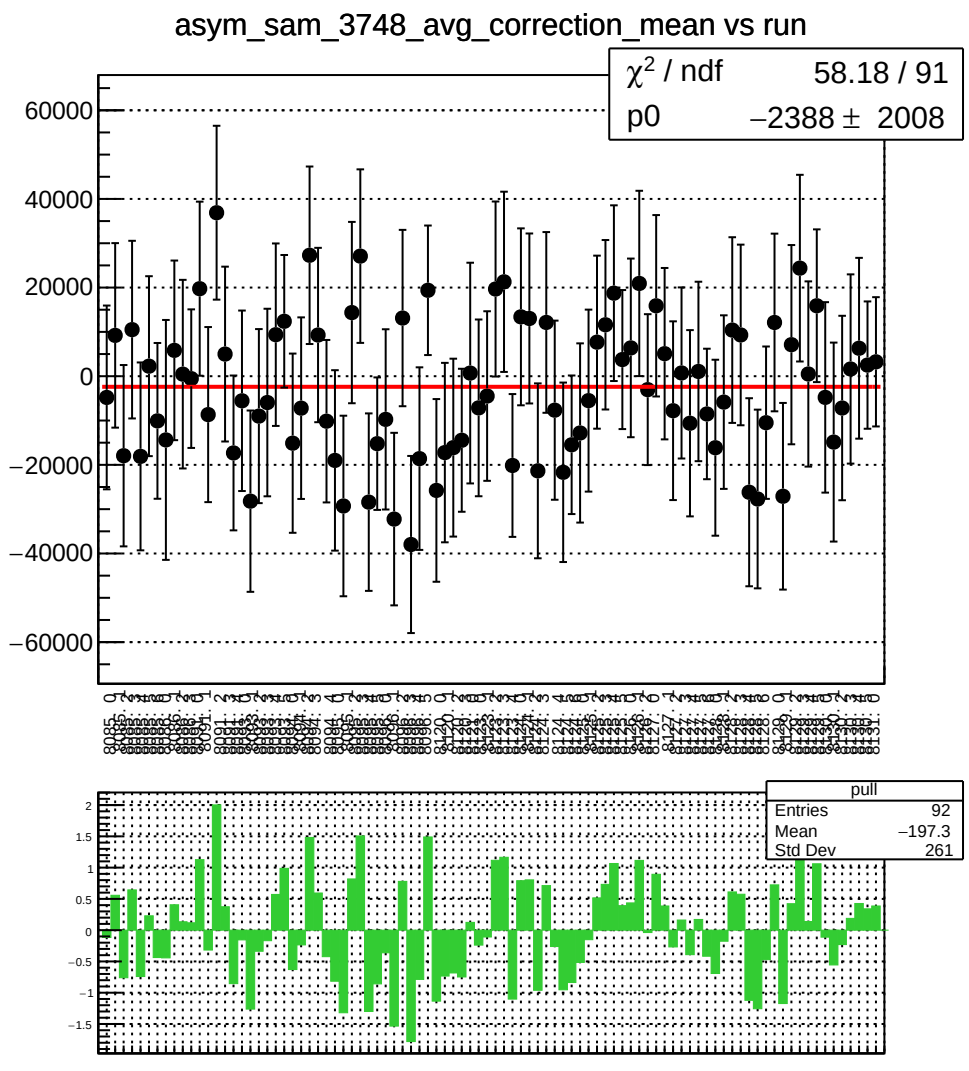

pull1D
Entries 92
Mean 0.01138
Std Dev 0.858

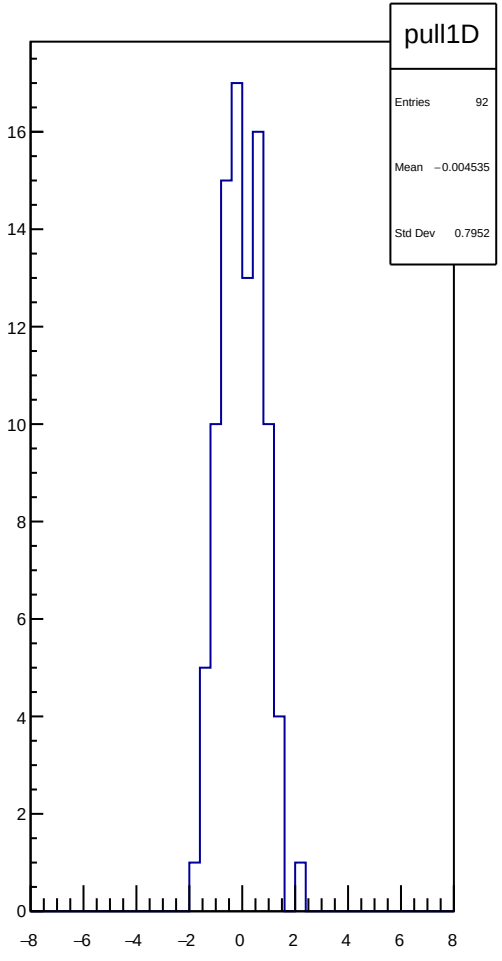

asym_sam_1548_avg_rms vs run
χ² / ndf 3653 / 91
p0 1137 ± 0.8387
1600
1500
1400
1300
1200
1100
1000

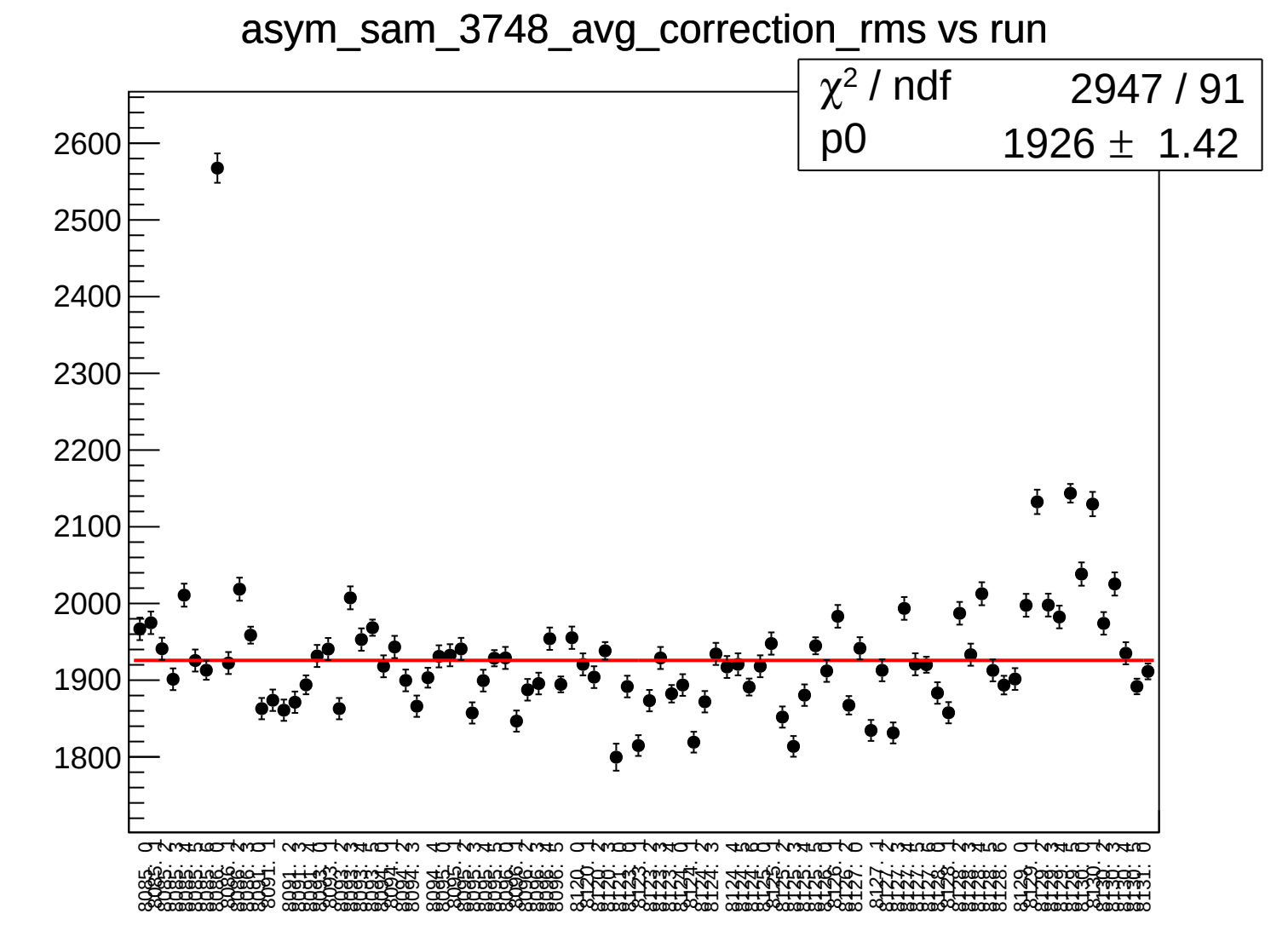

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 92.46 / 91
p0 −55.29 ± 159
pull
Entries 92
Mean −339.8
Std Dev 398.5

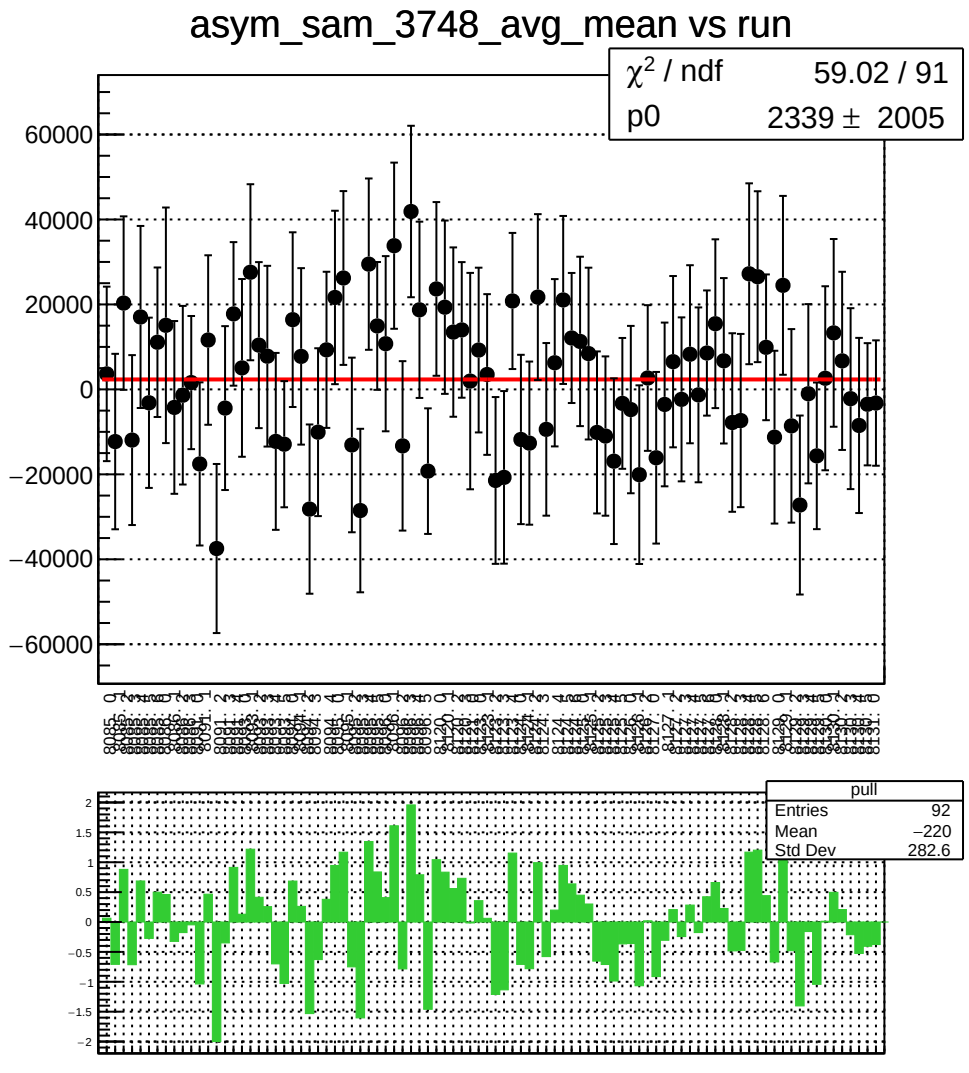

pull1D
Entries 92
Mean 0.01013
Std Dev 1.002

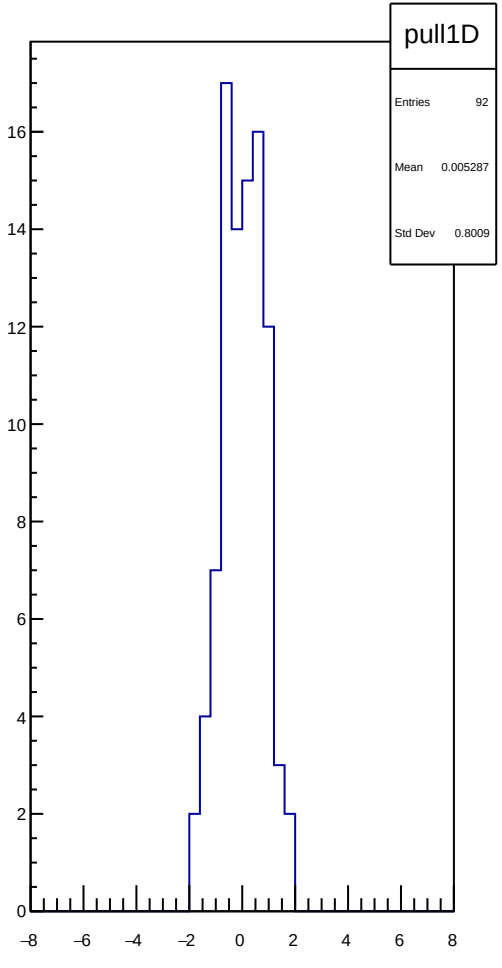

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.403e+04 / 91
p0 151.6 ± 0.1124
300
280
260
240
220
200
180
160
140
120

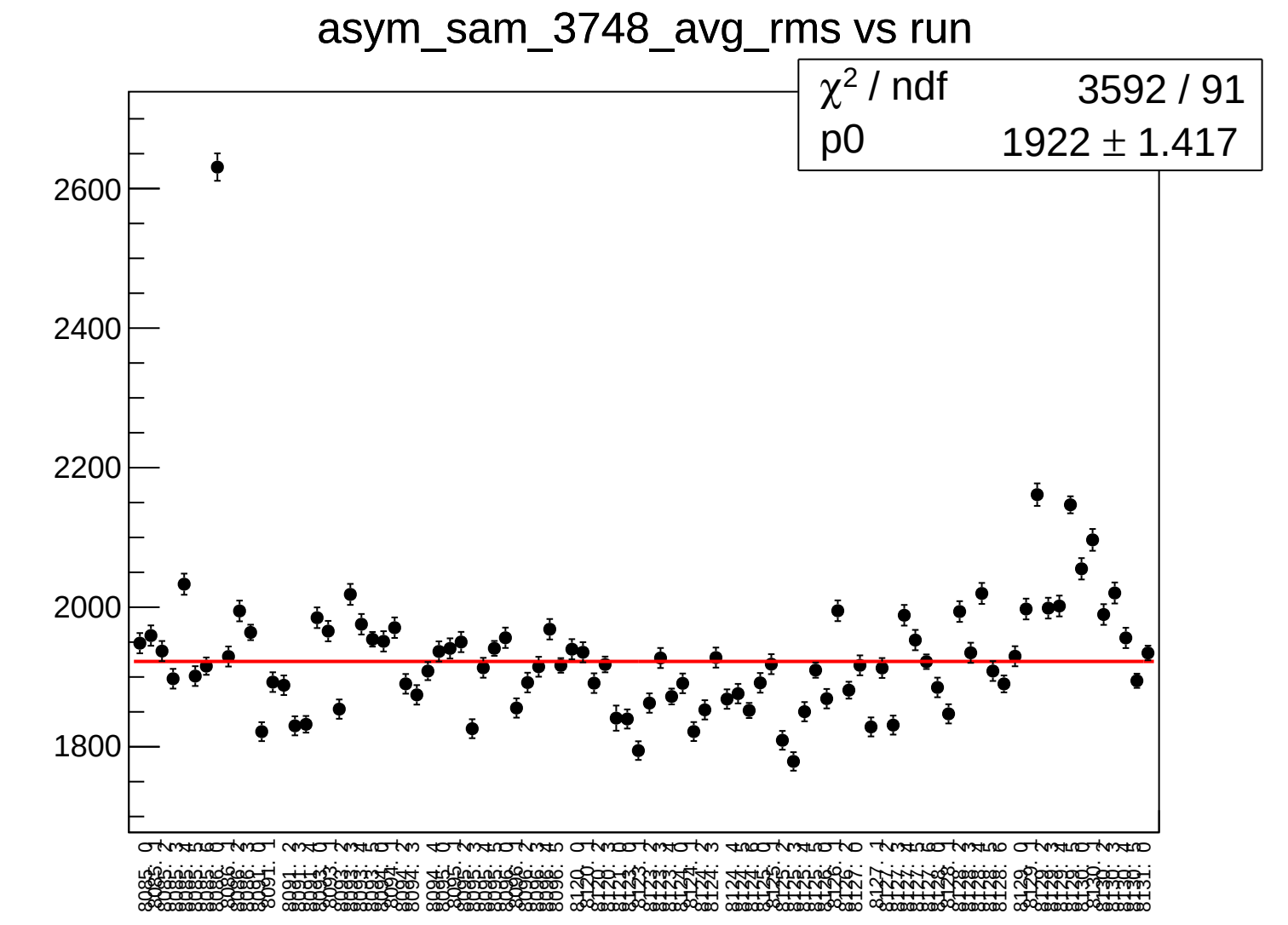

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 58.18 / 91
p0 −2388 ± 2008
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −197.3
Std Dev 261
2
1.5
1
0.5
0
−0.5
−1
−1.5

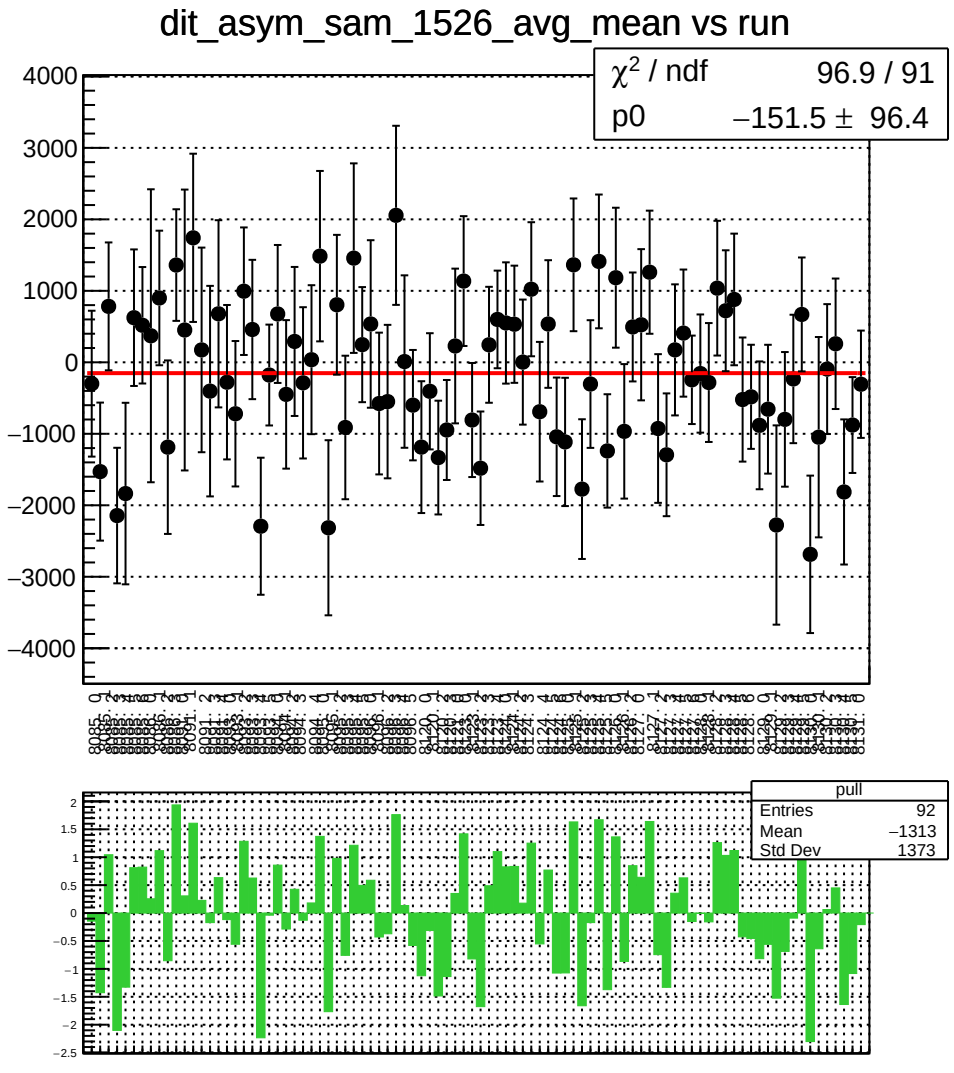

pull1D
Entries 92
Mean −0.004535
Std Dev 0.7952
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

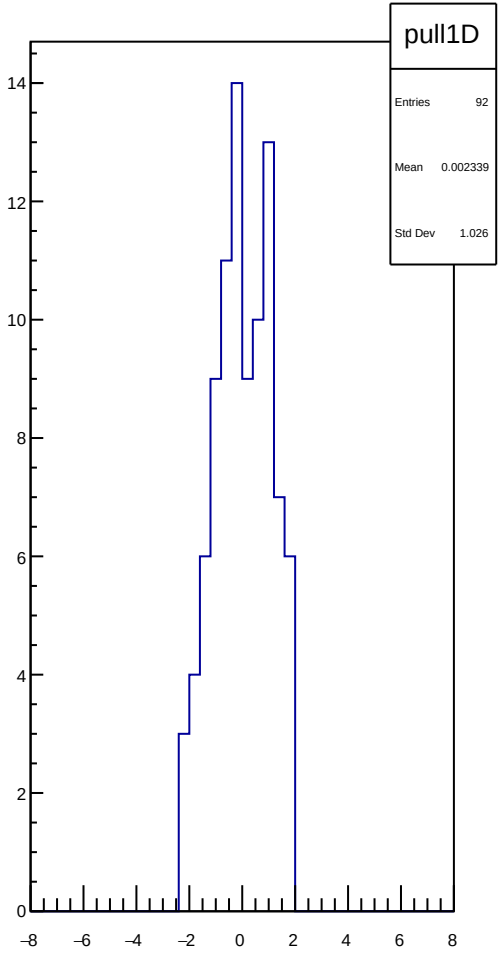

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2947 / 91
p0 1926 ± 1.42
2600
2500
2400
2300
2200
2100
2000
1900
1800

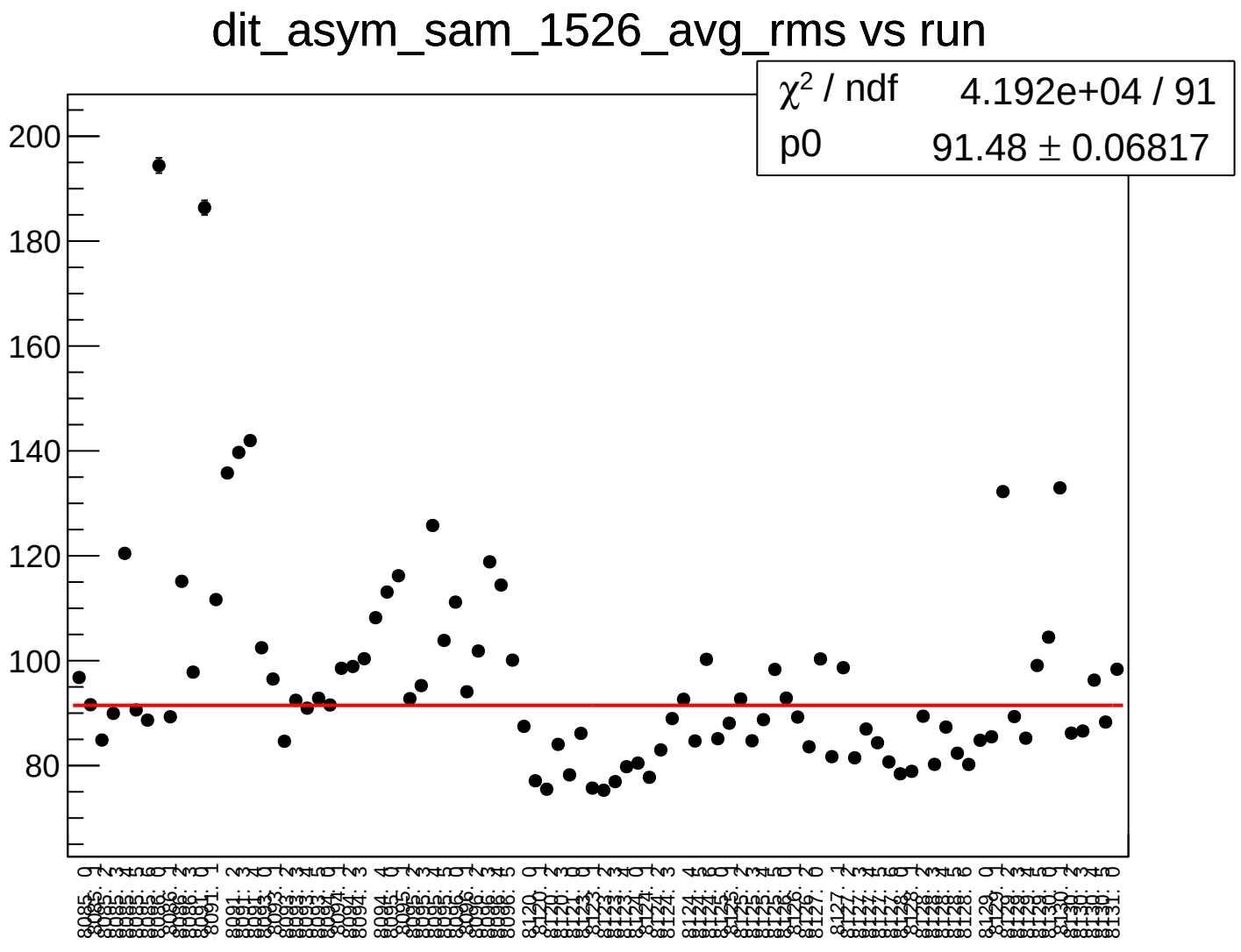

asym_sam_3748_avg_mean vs run
χ² / ndf 59.02 / 91
p0 2339 ± 2005
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −220
Std Dev 282.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

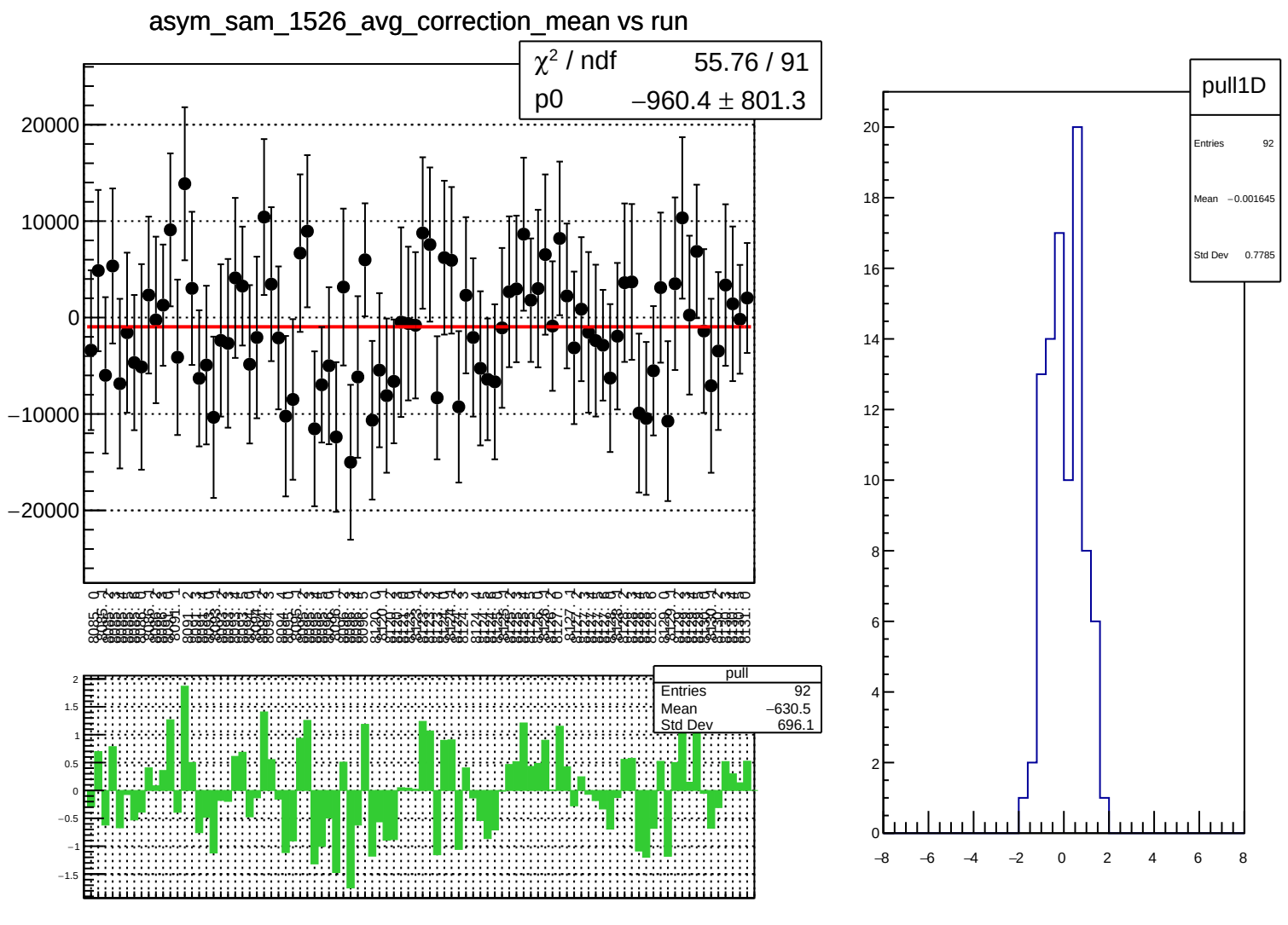

pull1D
Entries 92
Mean 0.005287
Std Dev 0.8009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

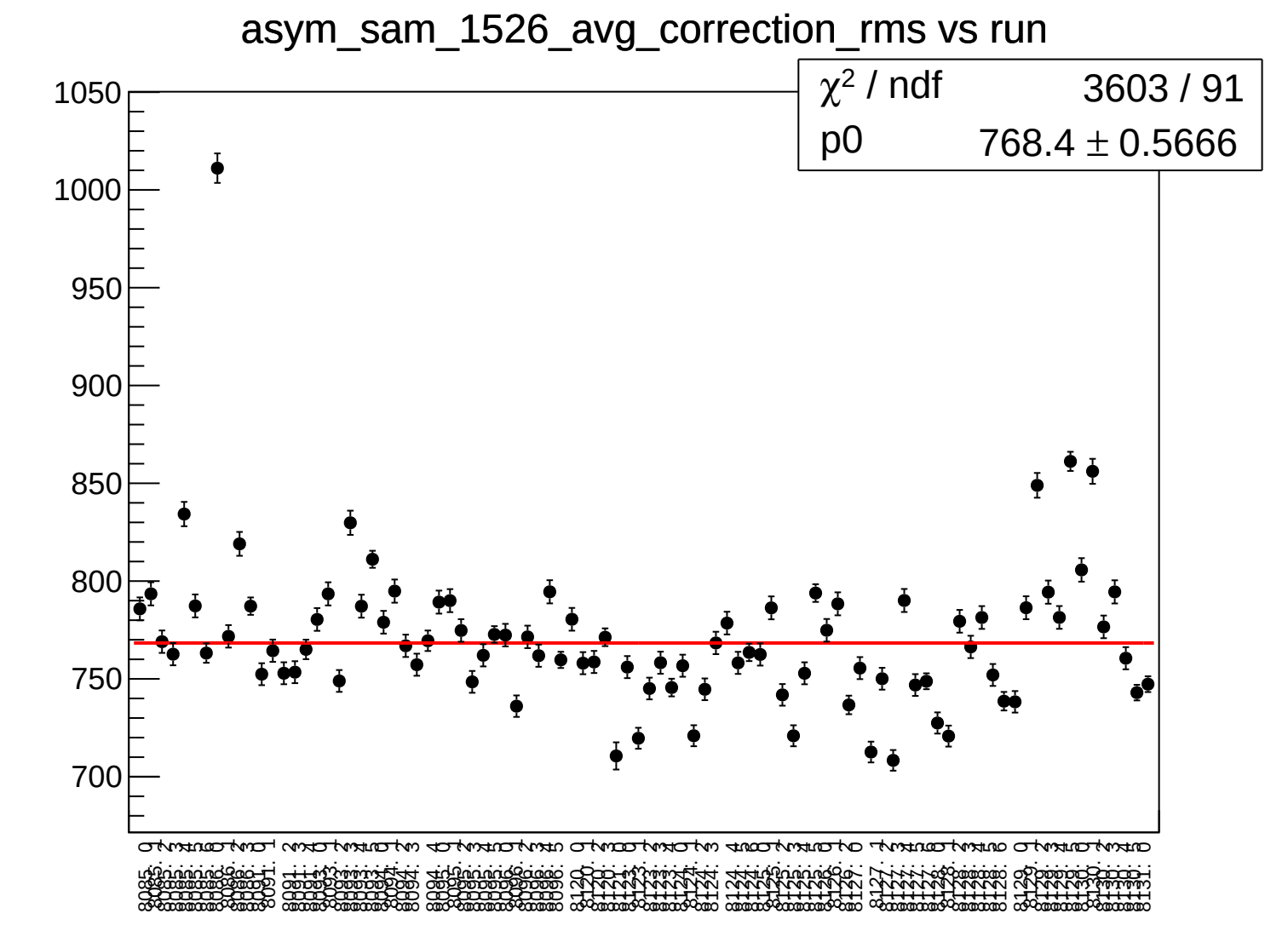

asym_sam_3748_avg_rms vs run
χ^2 / ndf 3592 / 91
p0 1922 ± 1.417
2600
2400
2200
2000
1800

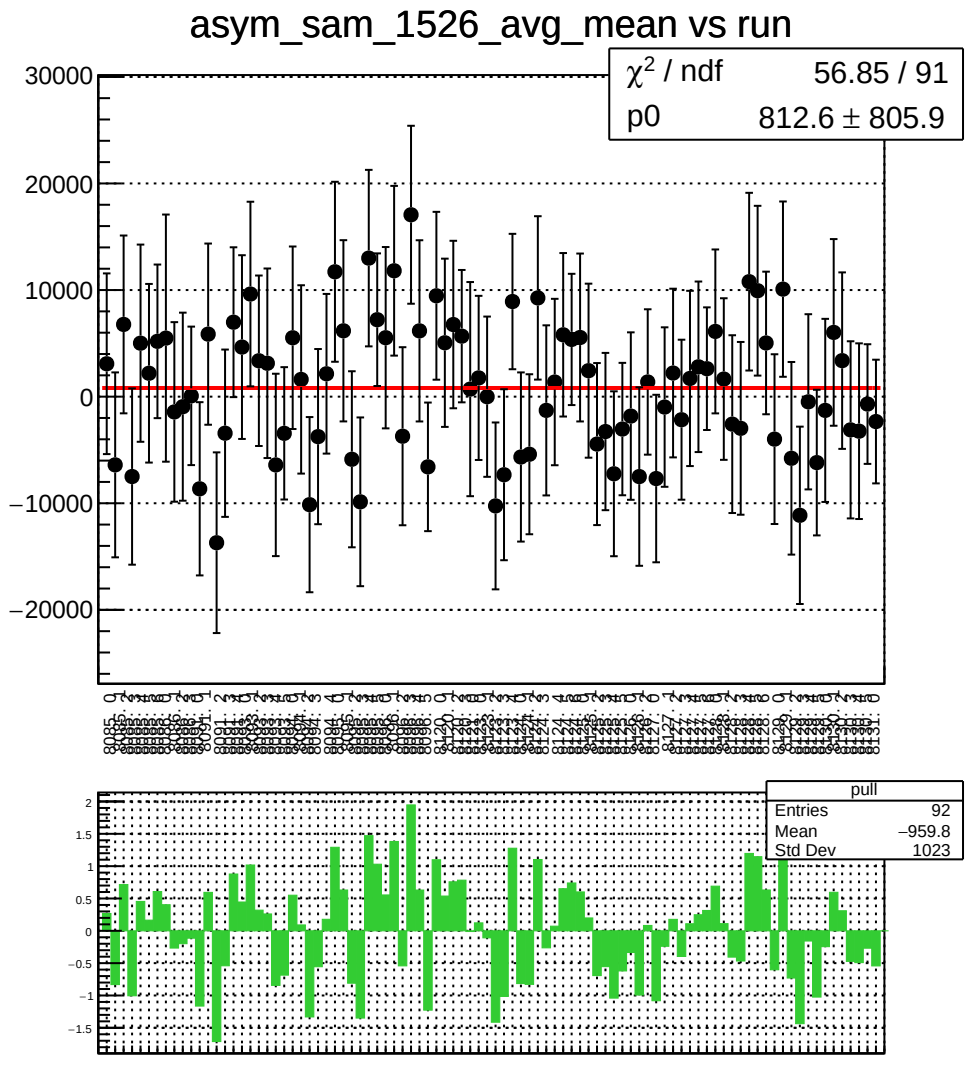

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 96.9 / 91
p0 −151.5 ± 96.4
pull
Entries 92
Mean −1313
Std Dev 1373

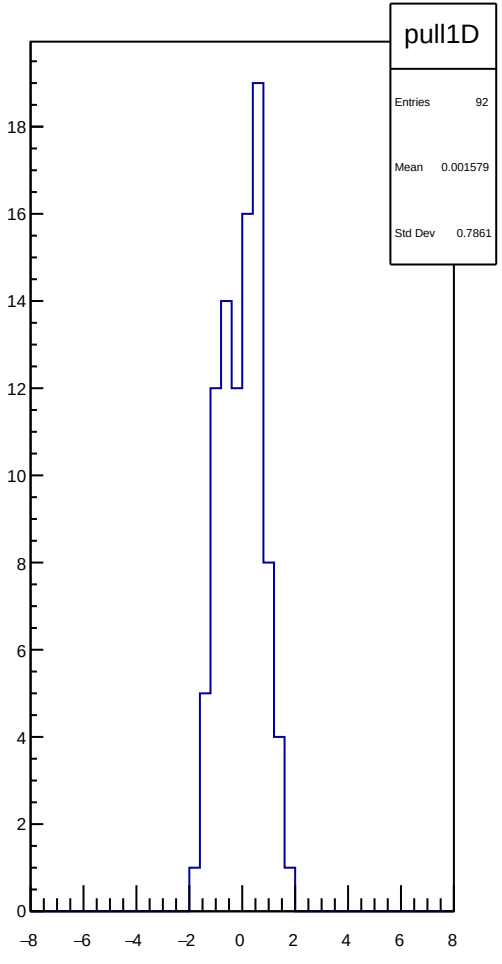

pull1D
Entries 92
Mean 0.002339
Std Dev 1.026

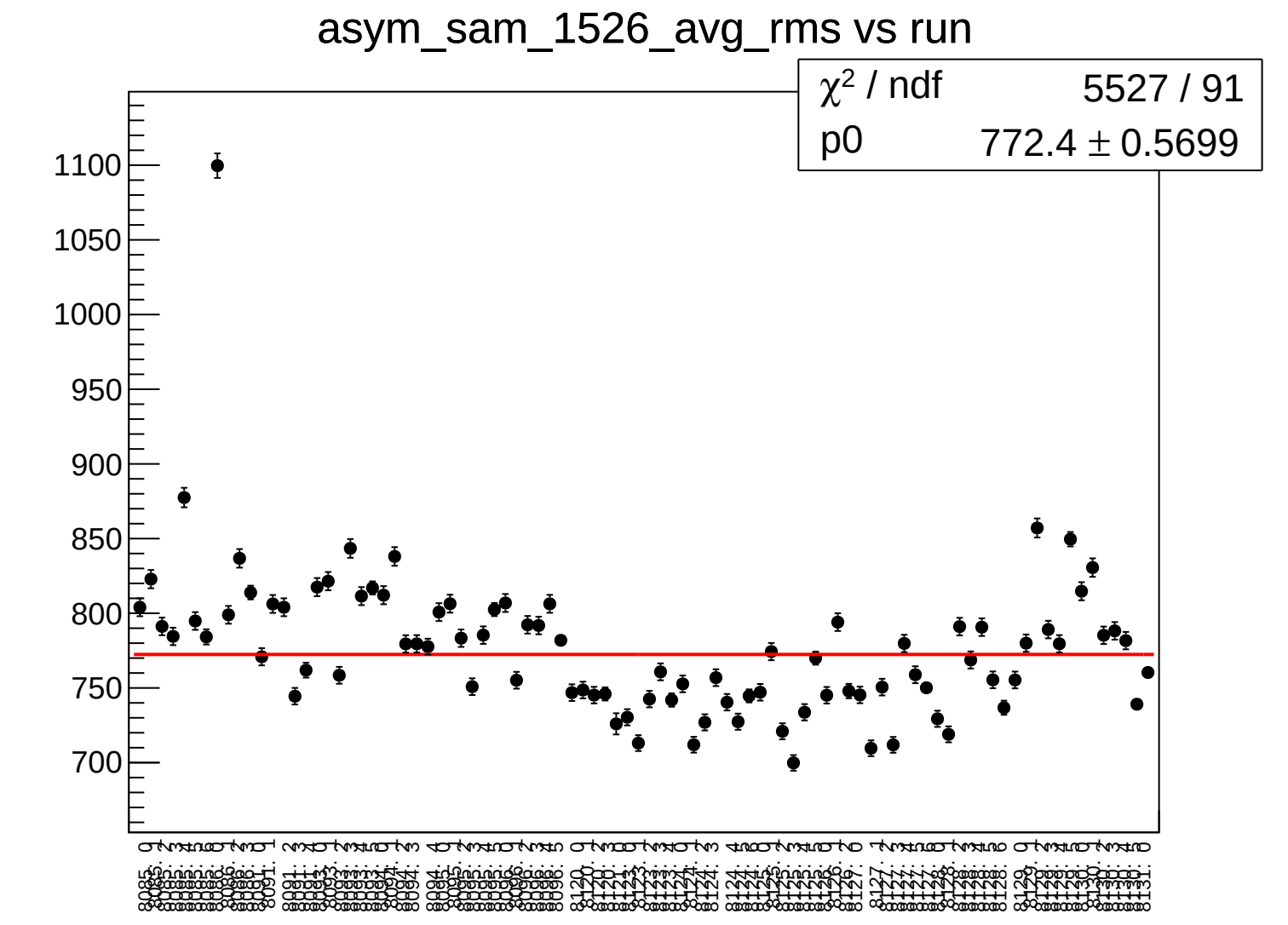

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 4.192e+04 / 91
p0 91.48 ± 0.06817
200
180
160
140
120
100
80

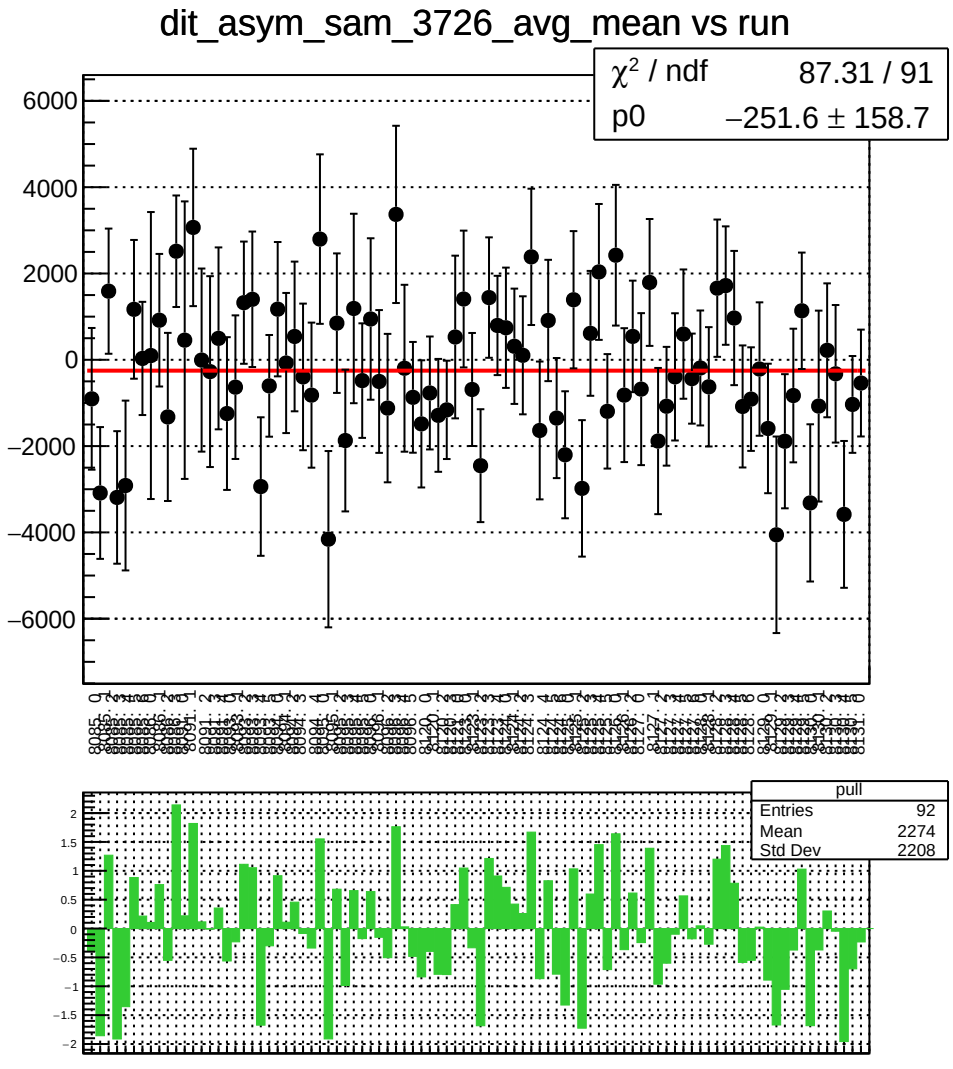

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 55.76 / 91
p0 −960.4 ± 801.3
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −630.5
Std Dev 696.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.001645
Std Dev 0.7785
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

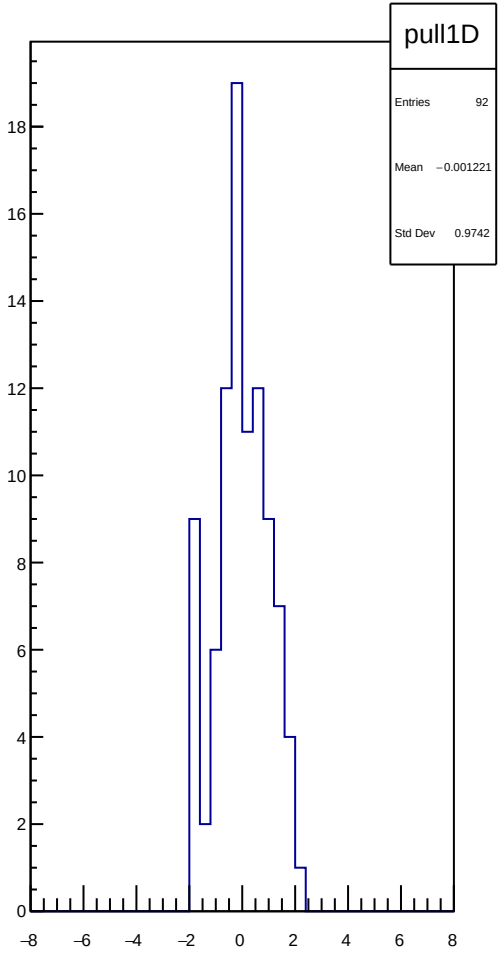

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 3603 / 91
p0 768.4 ± 0.5666
1050
1000
950
900
850
800
750
700

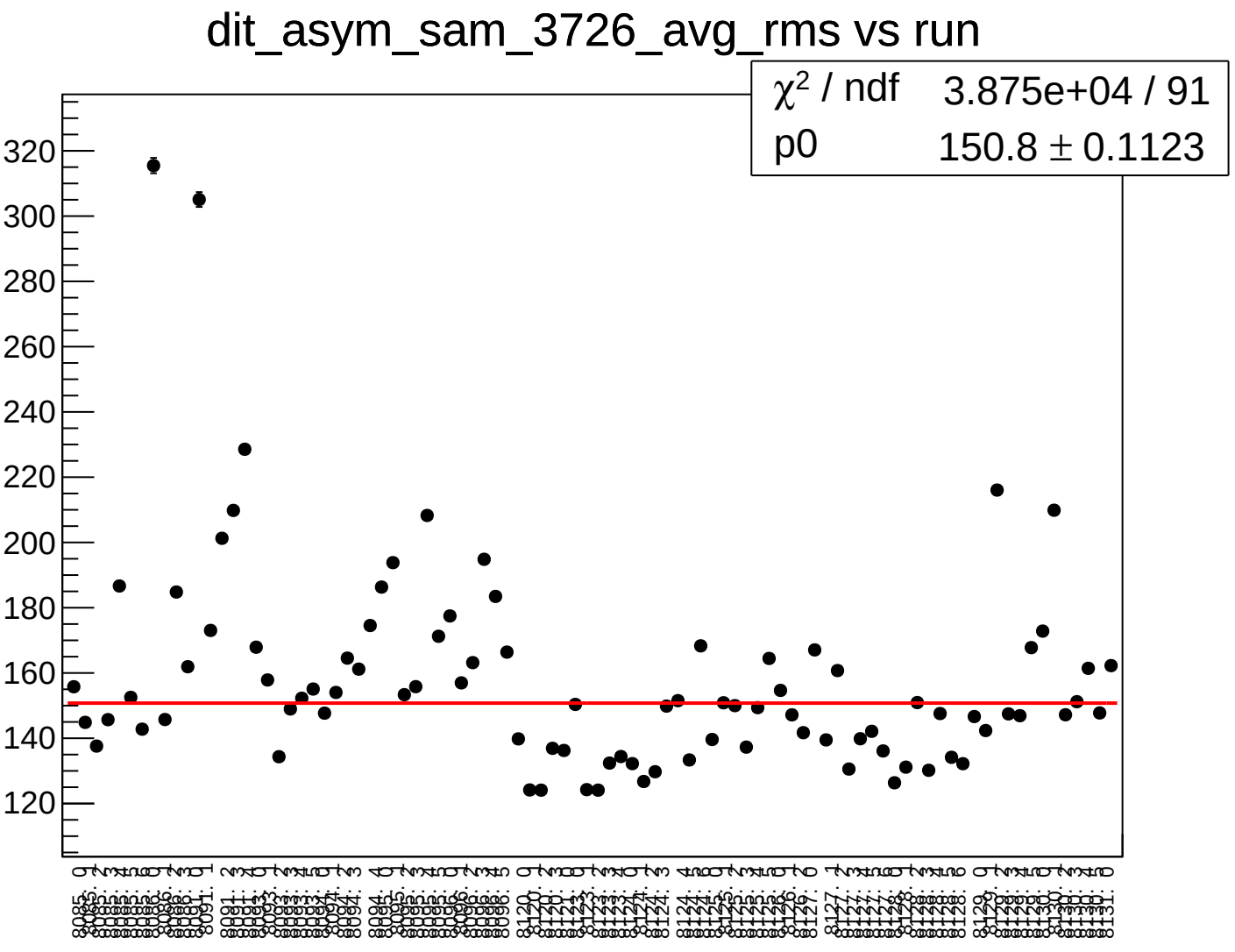

asym_sam_1526_avg_mean vs run
χ² / ndf 56.85 / 91
p0 812.6 ± 805.9
pull
Entries 92
Mean −959.8
Std Dev 1023

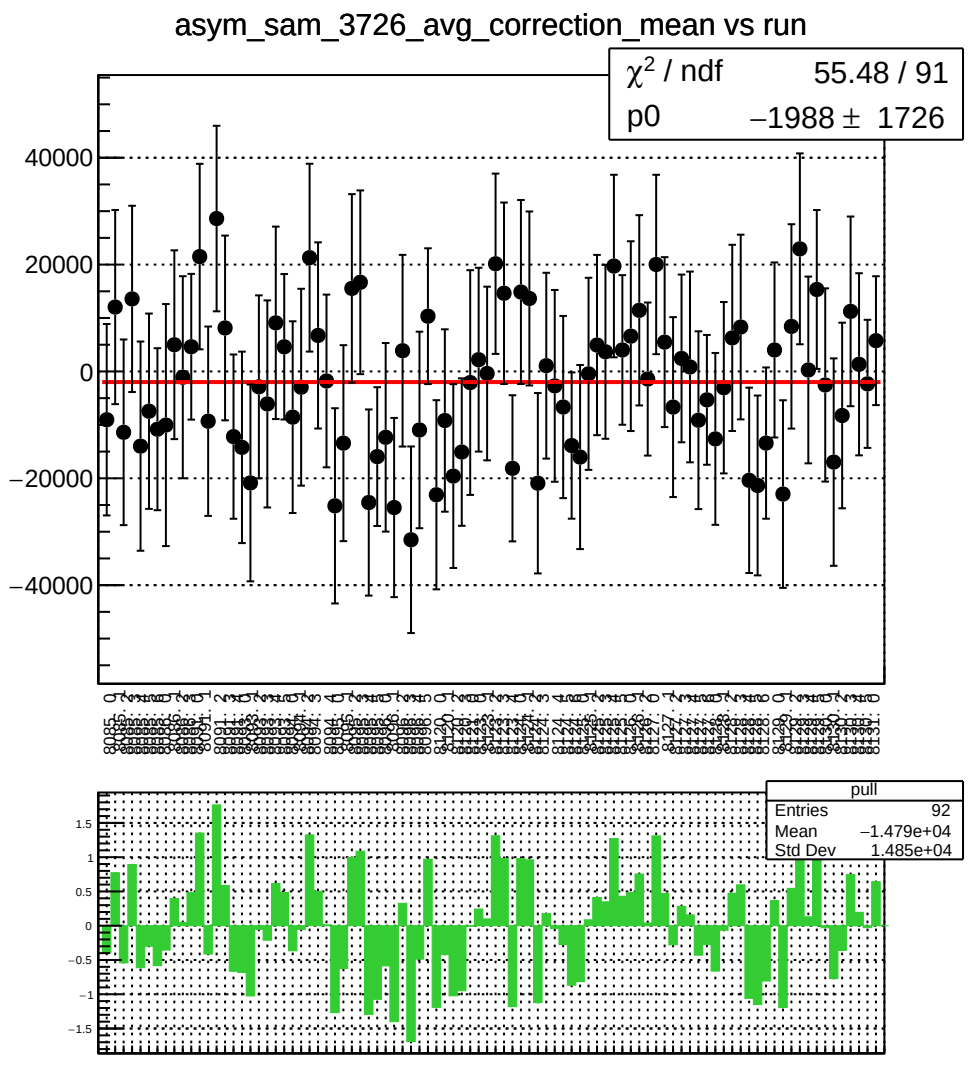

pull1D
Entries 92
Mean 0.001579
Std Dev 0.7861

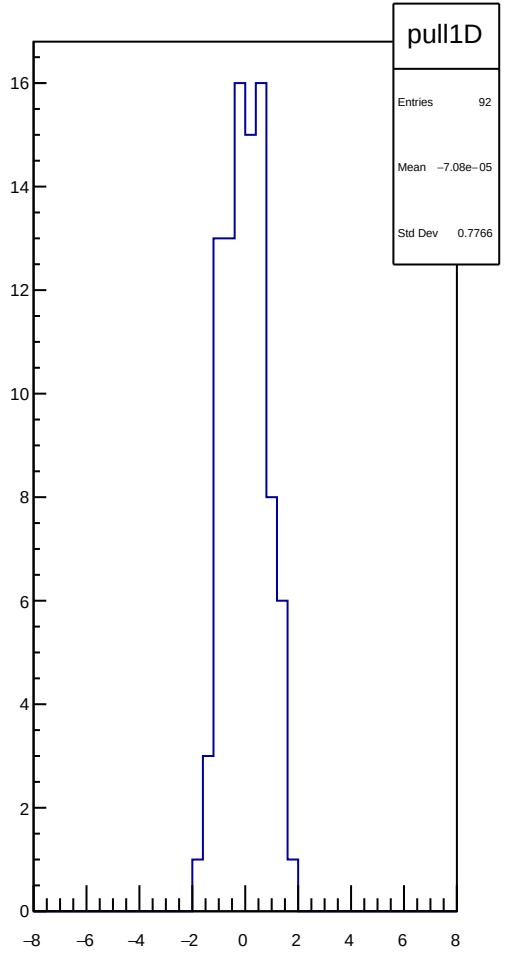

asym_sam_1526_avg_rms vs run
χ² / ndf 5527 / 91
p0 772.4 ± 0.5699
1100
1050
1000
950
900
850
800
750
700

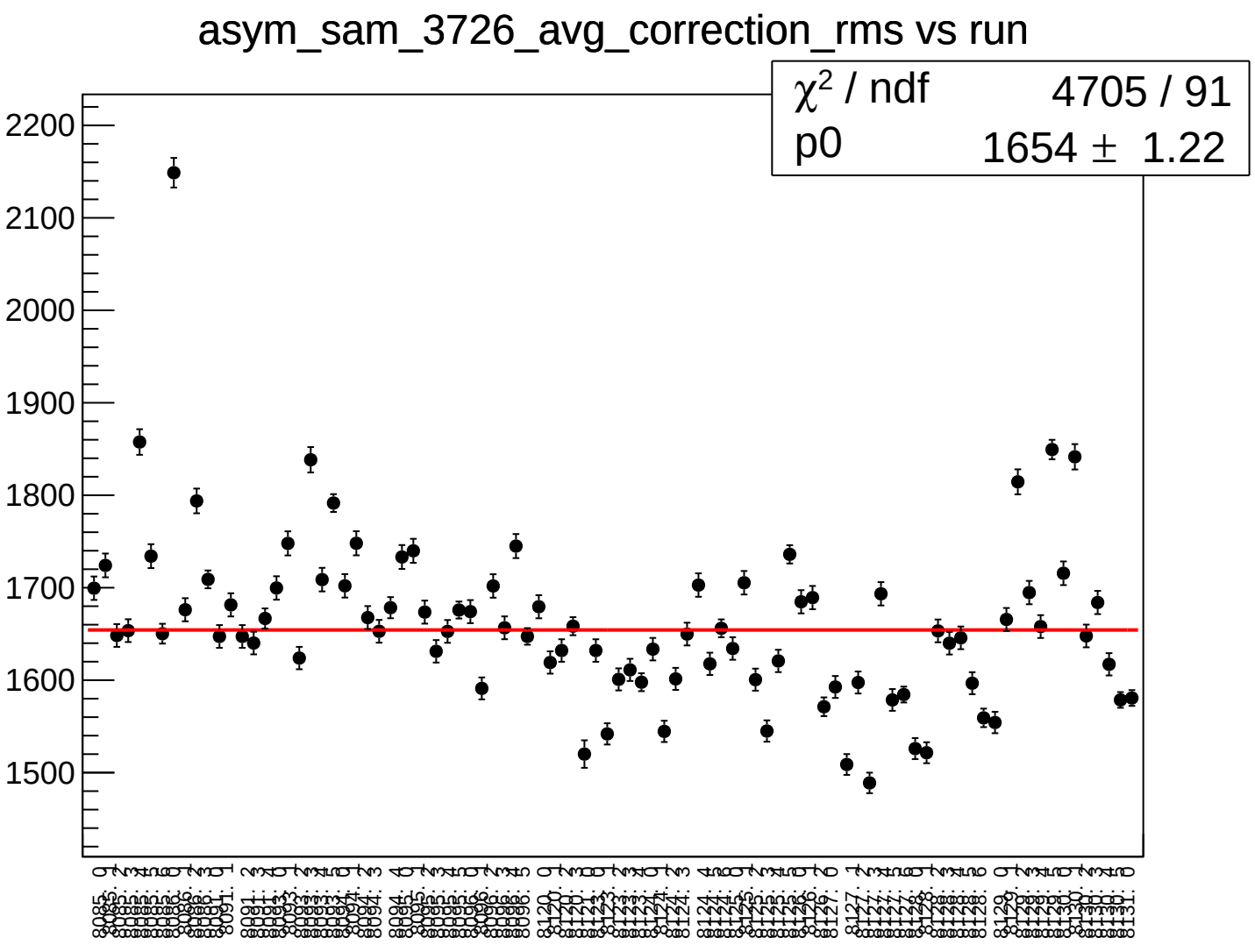

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 87.31 / 91
p0 −251.6 ± 158.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 2274
Std Dev 2208
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

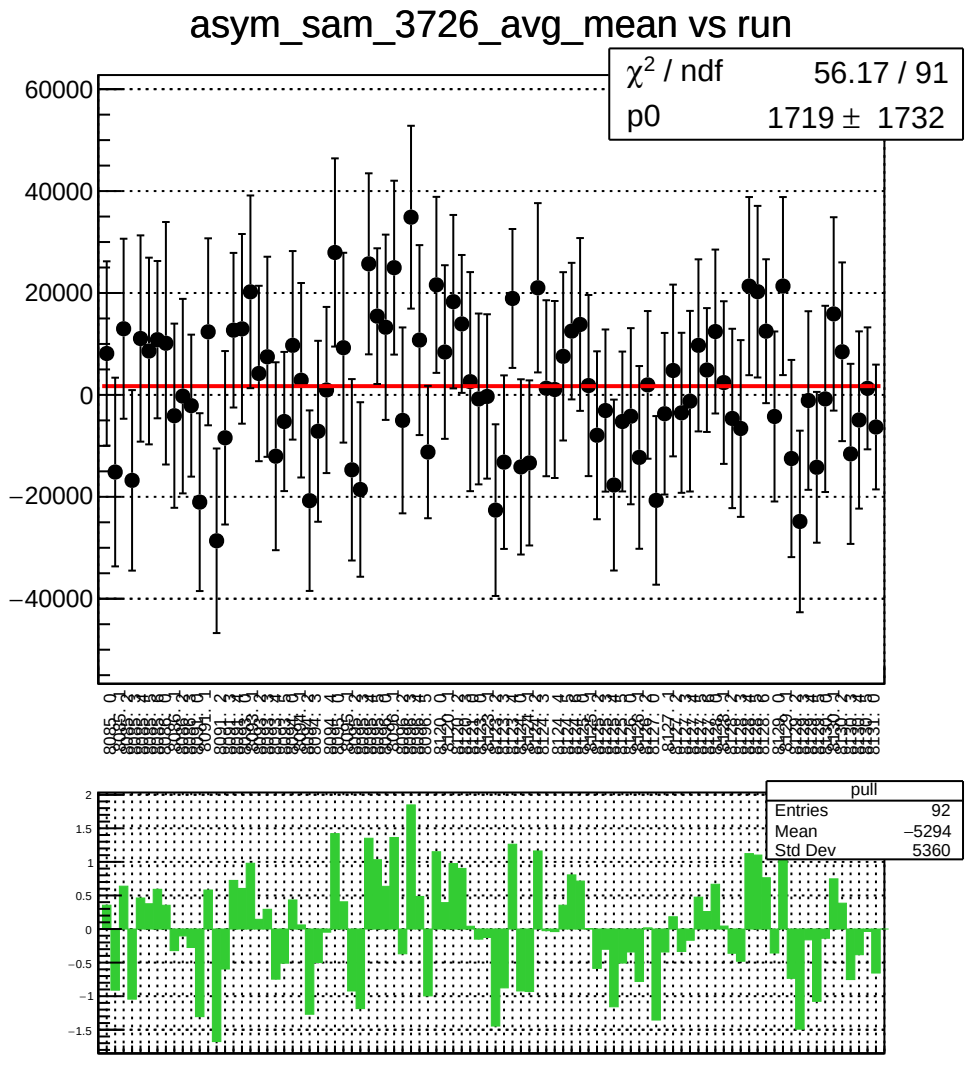

pull1D
Entries 92
Mean −0.001221
Std Dev 0.9742
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

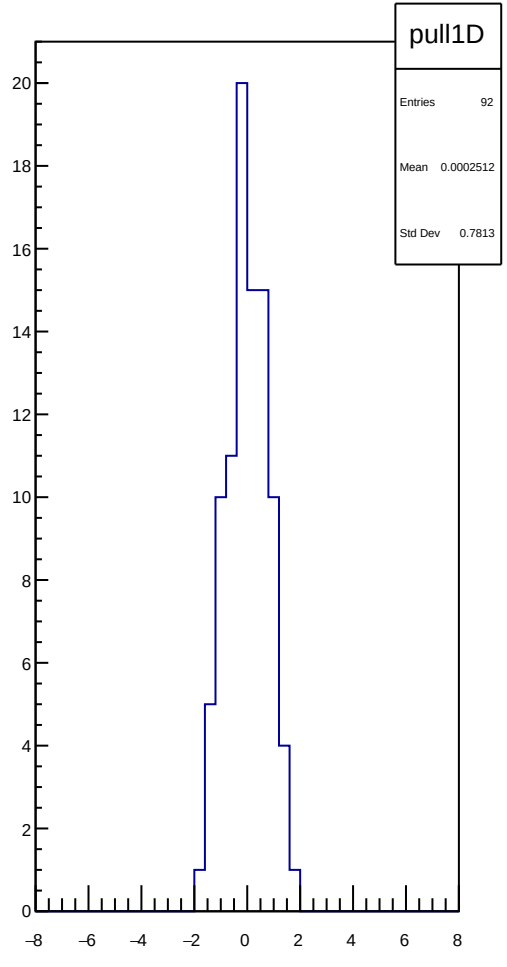

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.875e+04 / 91
p0 150.8 ± 0.1123
320
300
280
260
240
220
200
180
160
140
120

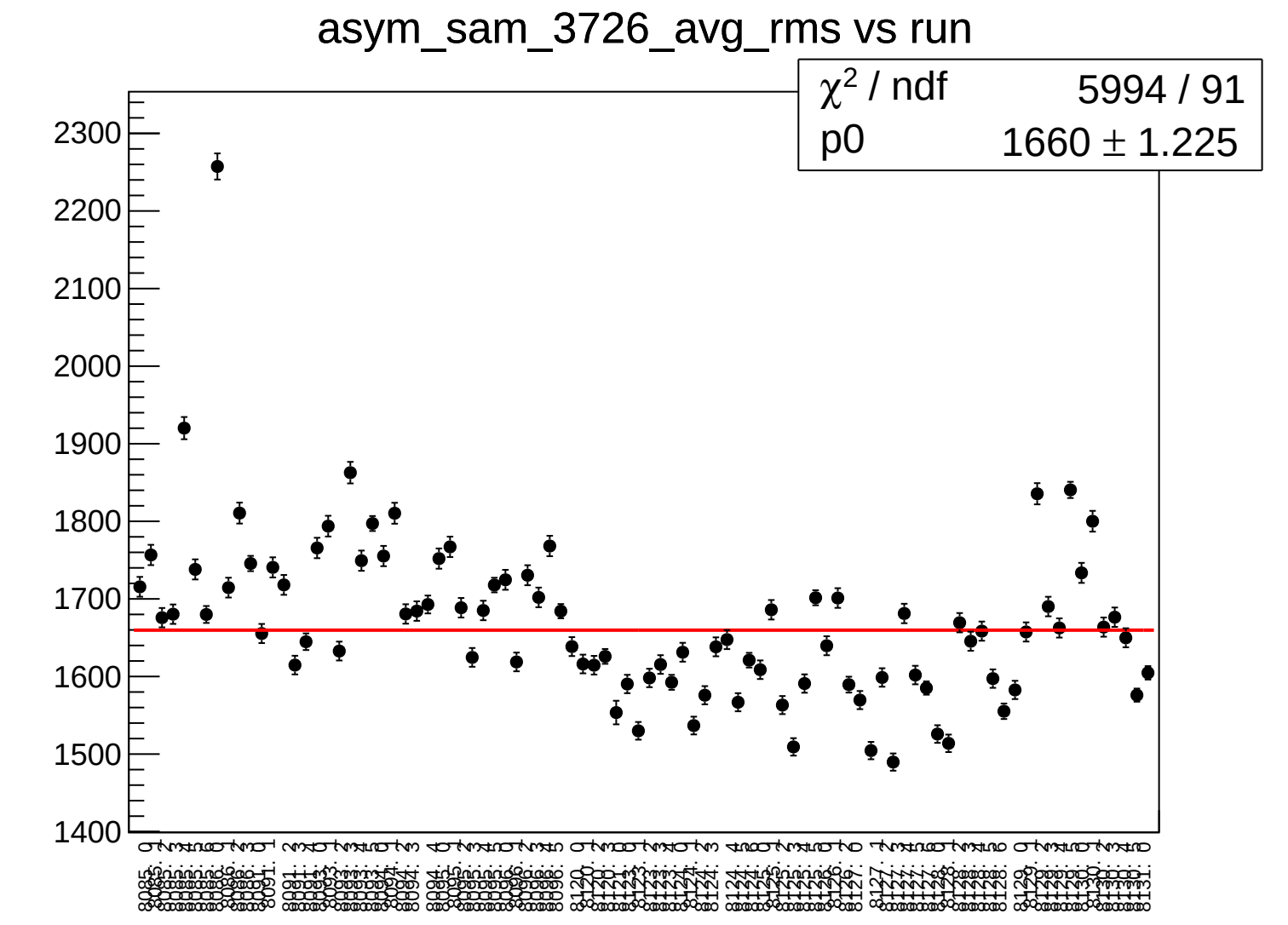

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 55.48 / 91
p0 −1988 ± 1726
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −1.479e+04
Std Dev 1.485e+04
1.5
1
0.5
0
−0.5
−1
−1.5

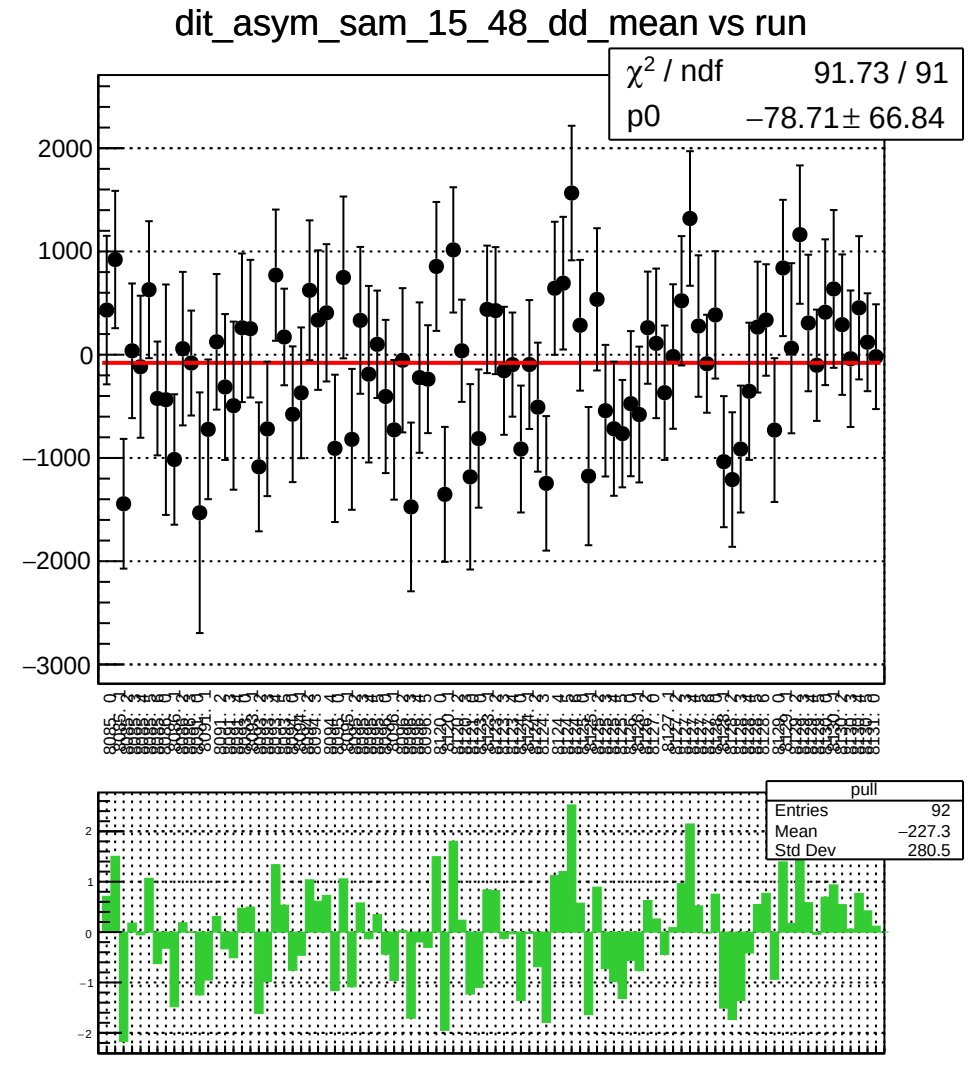

pull1D
Entries 92
Mean −7.08e−05
Std Dev 0.7766
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

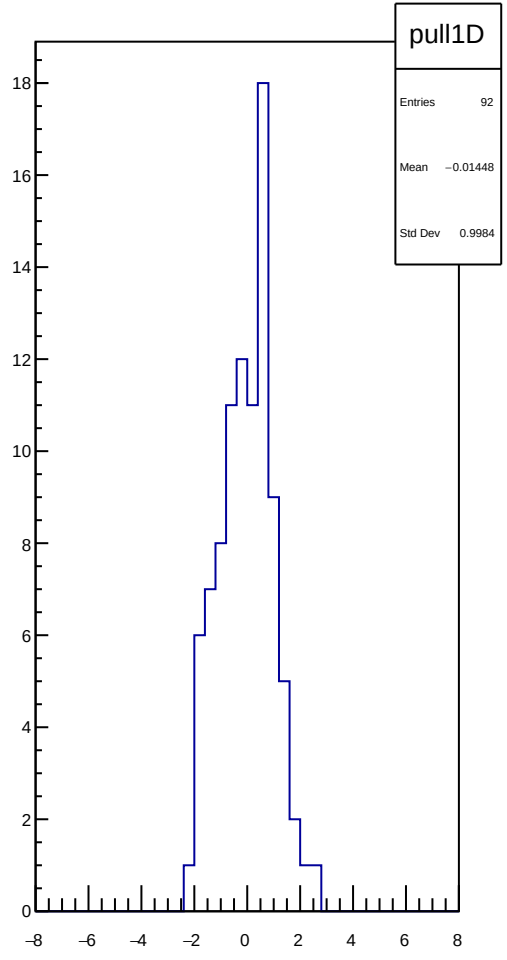

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 4705 / 91
p0 1654 ± 1.22
2200
2100
2000
1900
1800
1700
1600
1500

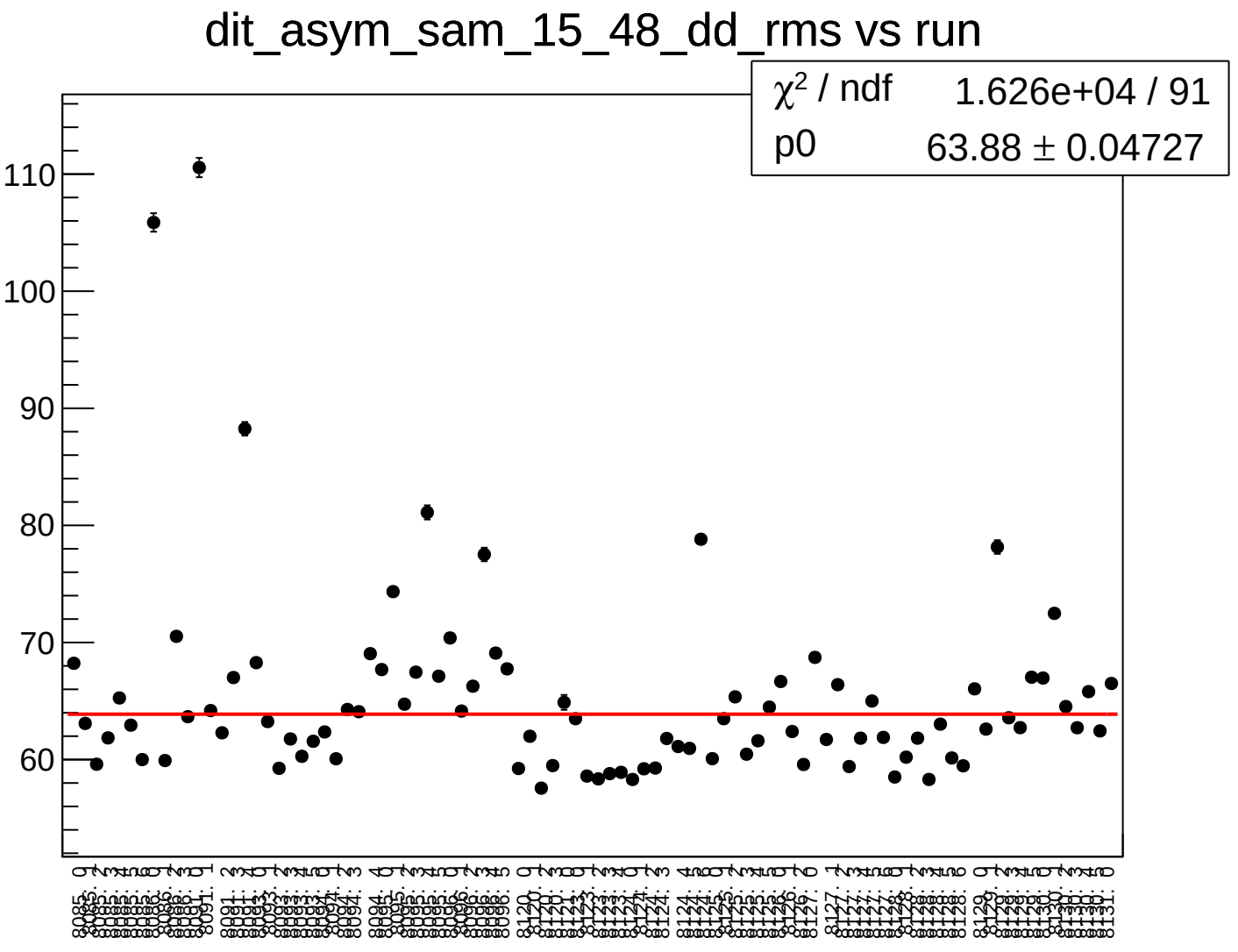

asym_sam_3726_avg_mean vs run
χ² / ndf 56.17 / 91
p0 1719 ± 1732
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −5294
Std Dev 5360
2
1.5
1
0.5
0
−0.5
−1
−1.5

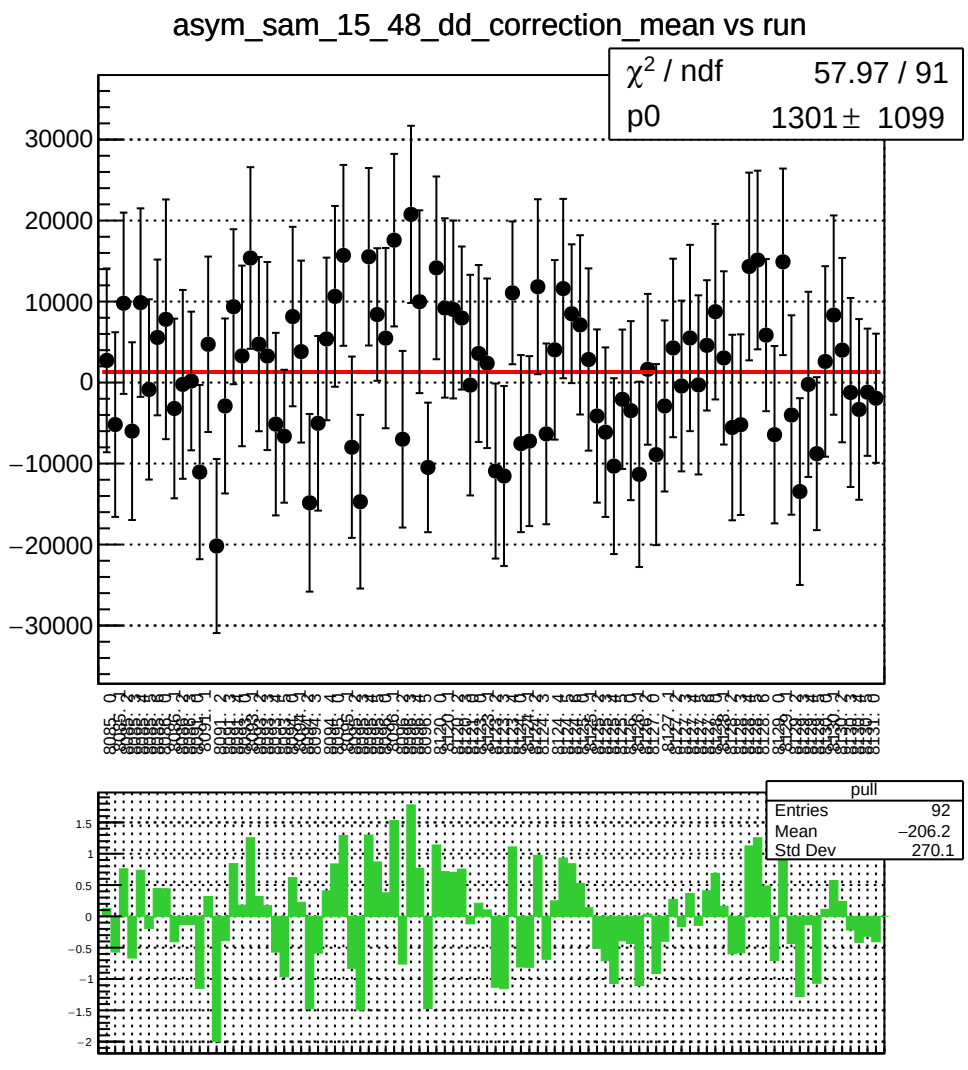

pull1D
Entries 92
Mean 0.0002512
Std Dev 0.7813
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

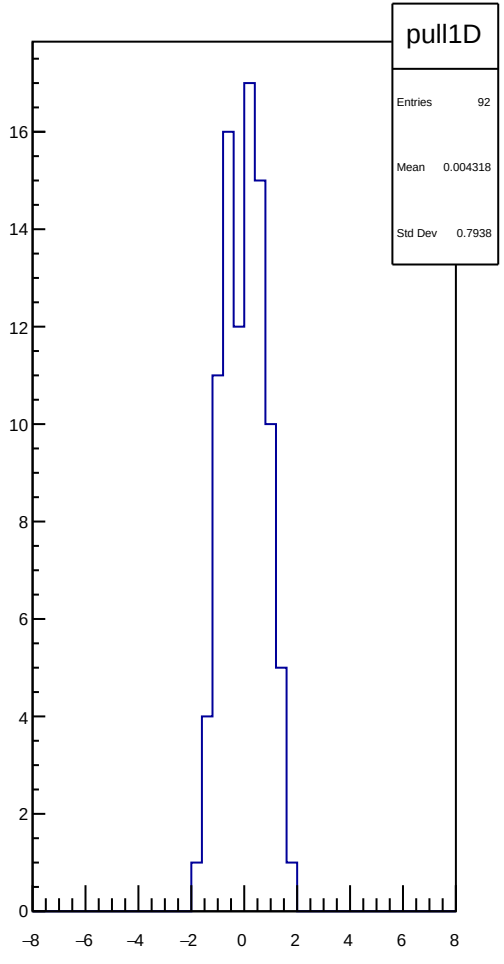

asym_sam_3726_avg_rms vs run
χ^2 / ndf 5994 / 91
p0 1660 ± 1.225
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400

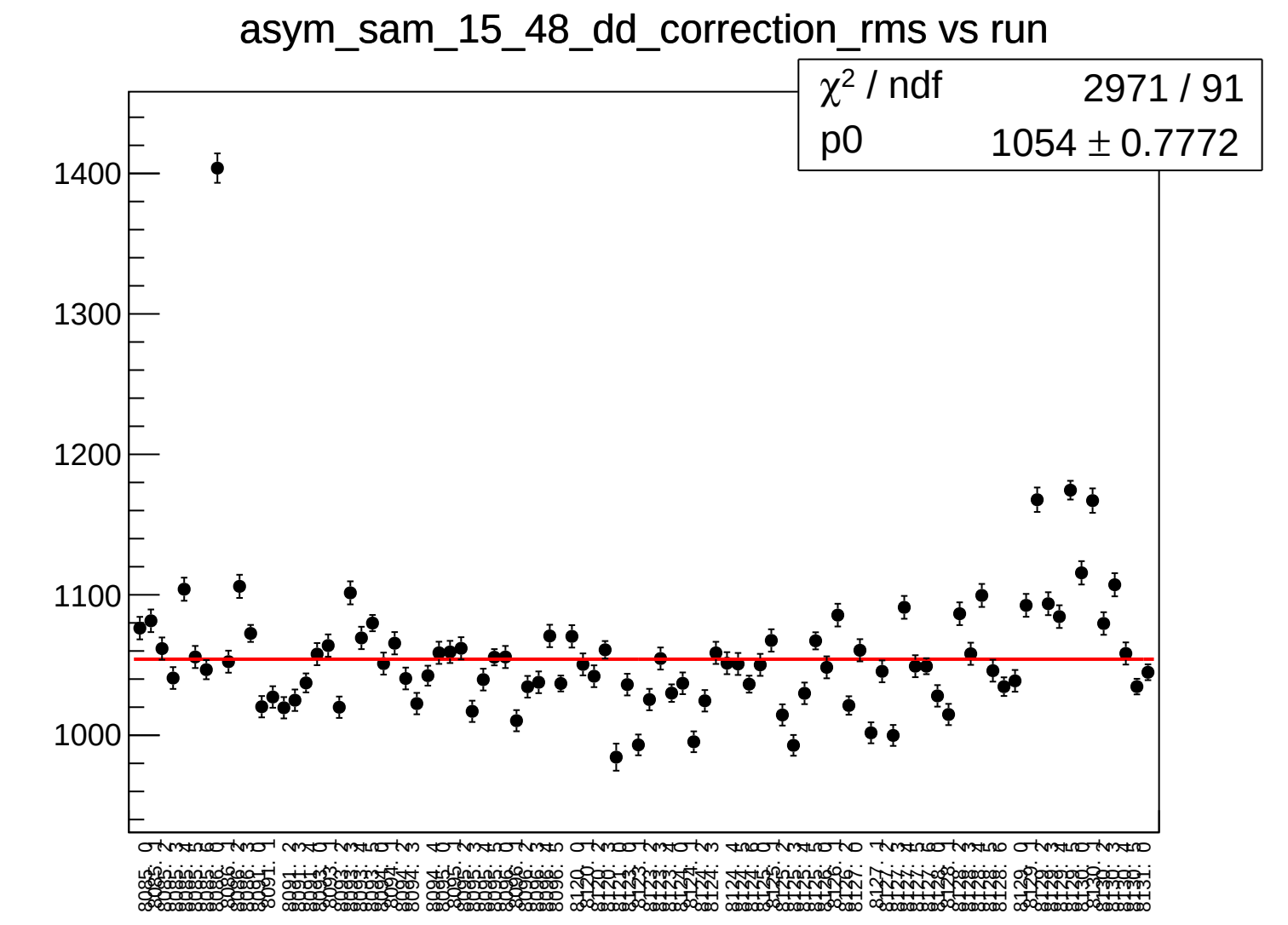

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 91.73 / 91
p0 −78.71 ± 66.84
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −227.3
Std Dev 280.5
2
1
0
−1
−2

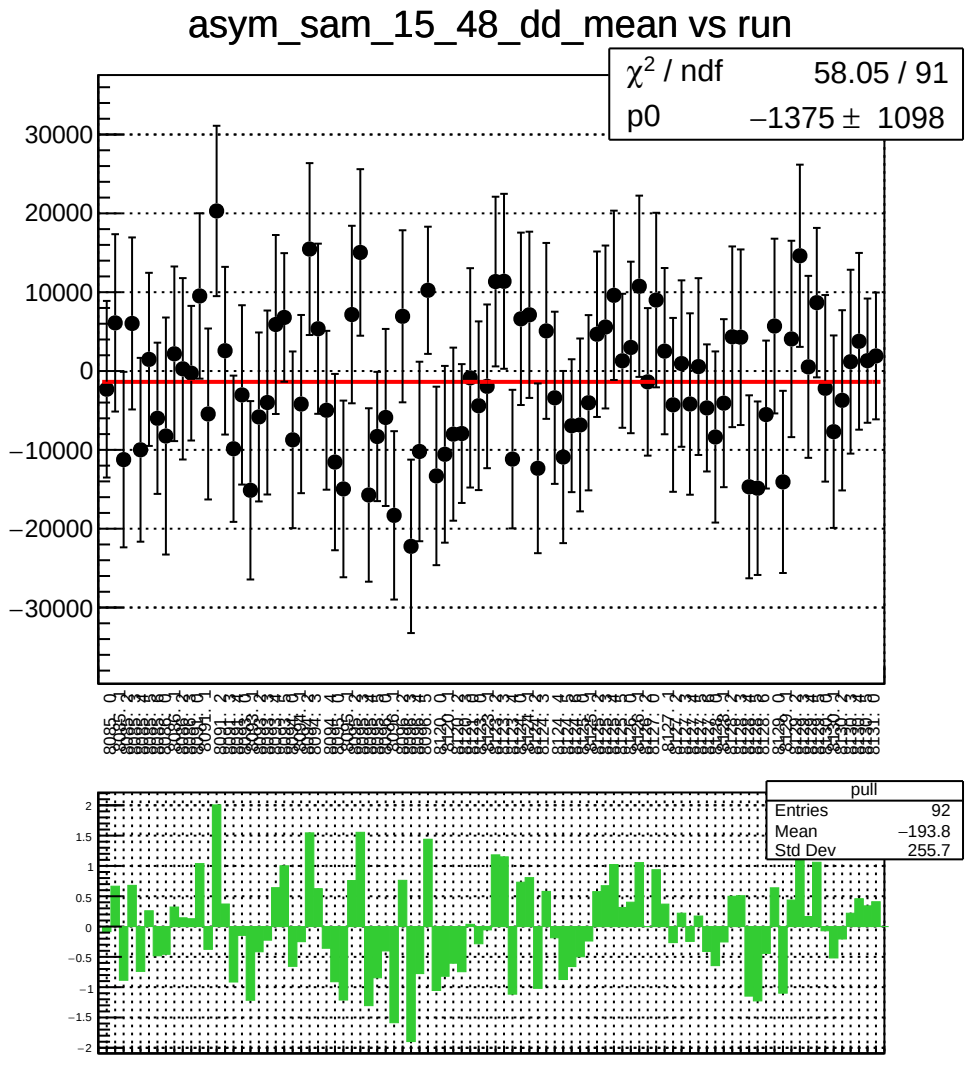

pull1D
Entries 92
Mean −0.01448
Std Dev 0.9984
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

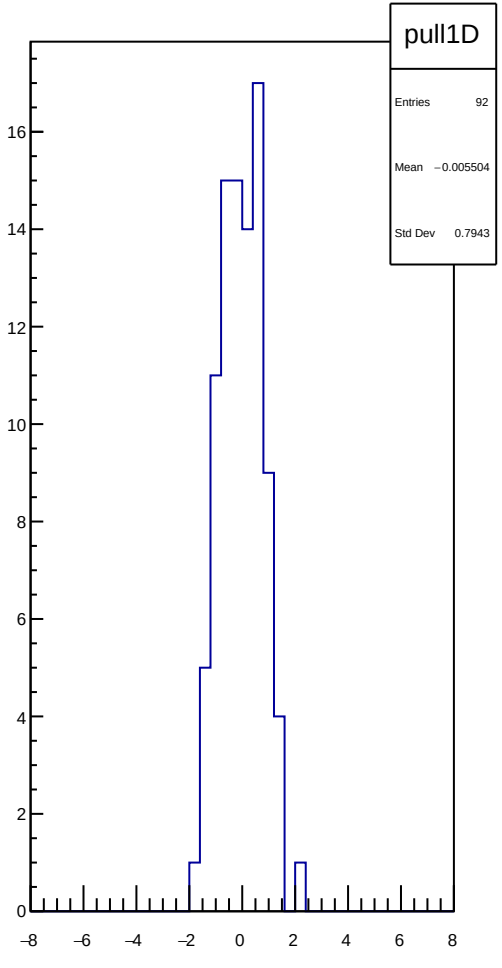

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.626e+04 / 91
p0 63.88 ± 0.04727
110
100
90
80
70
60

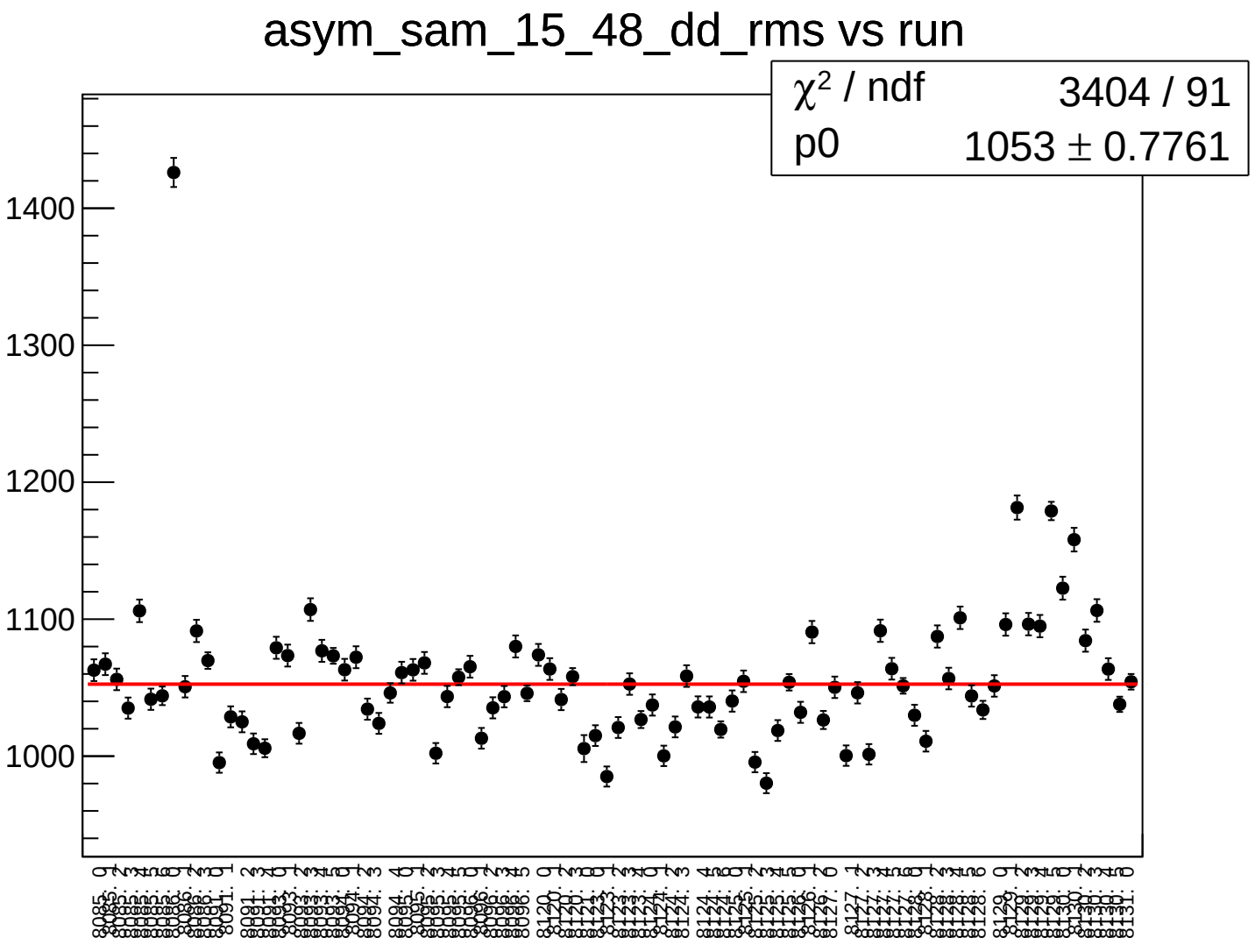

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 57.97 / 91
p0 1301 ± 1099
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −206.2
Std Dev 270.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

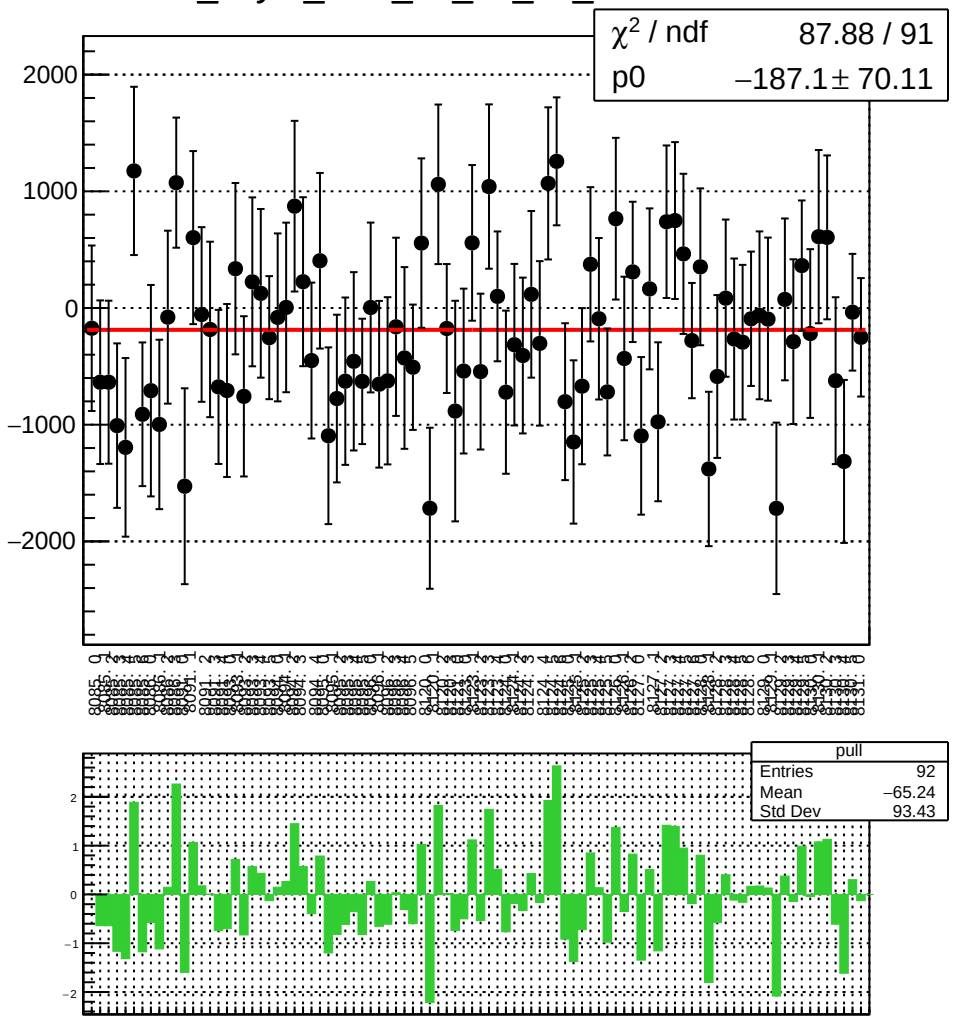

pull1D
Entries 92
Mean 0.004318
Std Dev 0.7938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

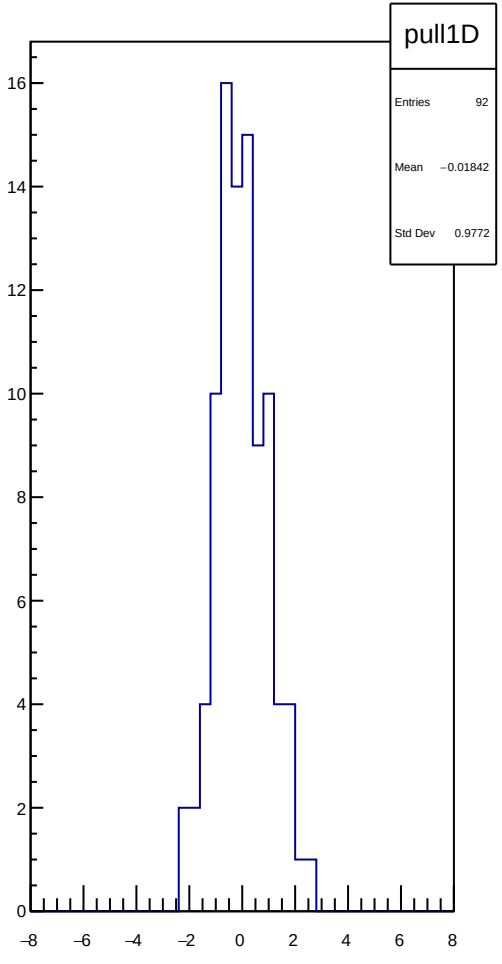

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2971 / 91
p0 1054 ± 0.7772
1400
1300
1200
1100
1000

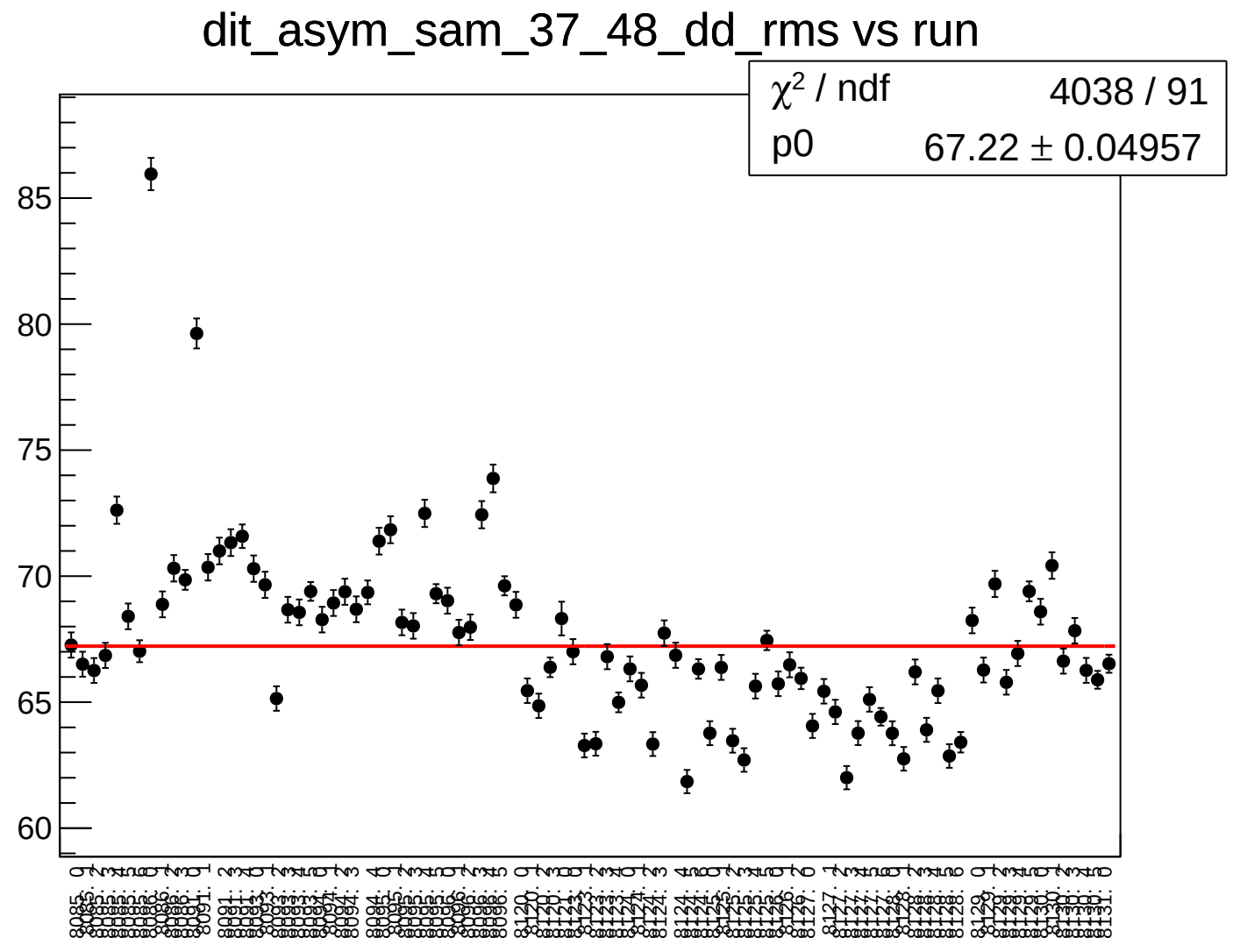

asym_sam_15_48_dd_mean vs run
χ² / ndf 58.05 / 91
p0 −1375 ± 1098
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −193.8
Std Dev 255.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

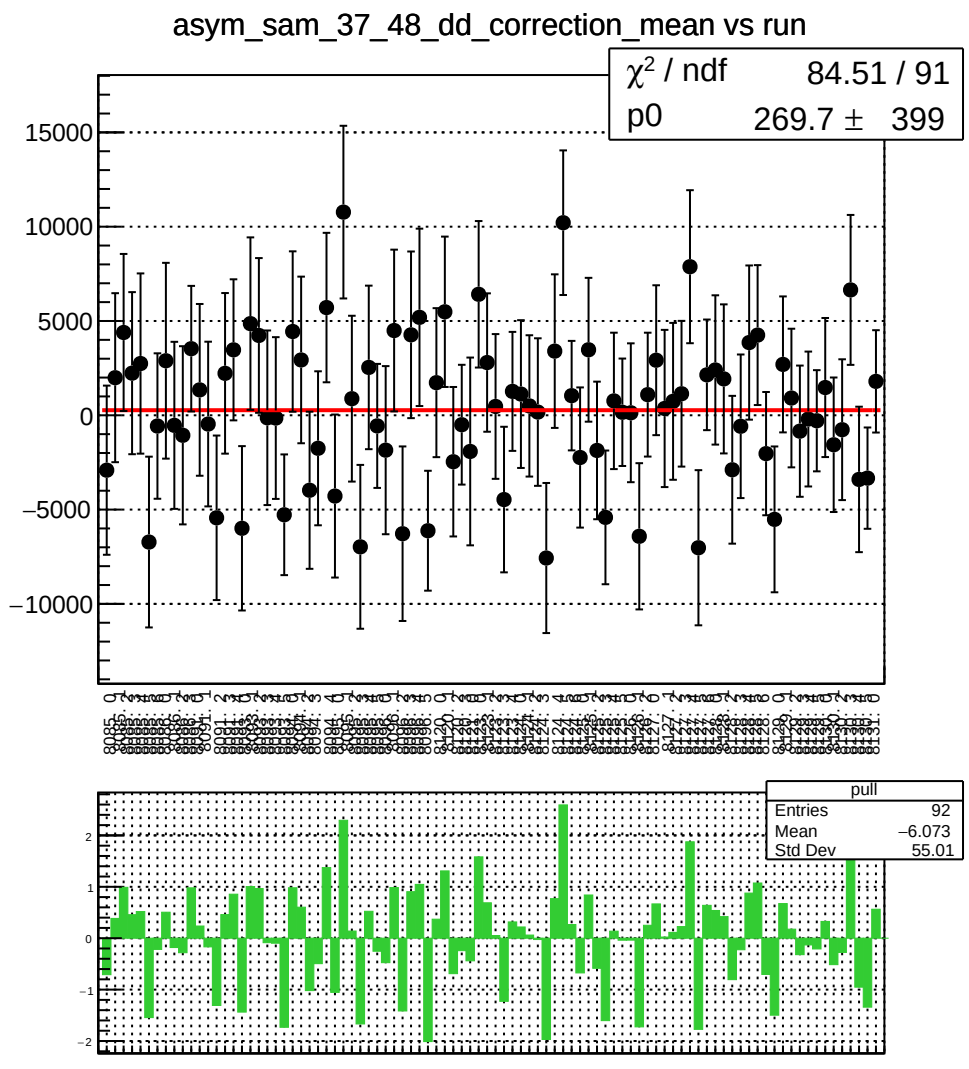

pull1D
Entries 92
Mean −0.005504
Std Dev 0.7943
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

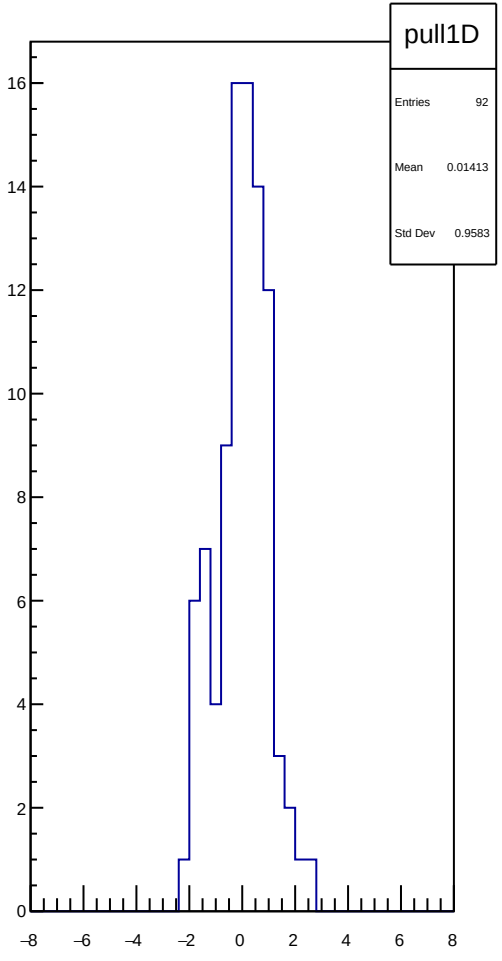

asym_sam_15_48_dd_rms vs run
χ² / ndf 3404 / 91
p0 1053 ± 0.7761
1400
1300
1200
1100
1000

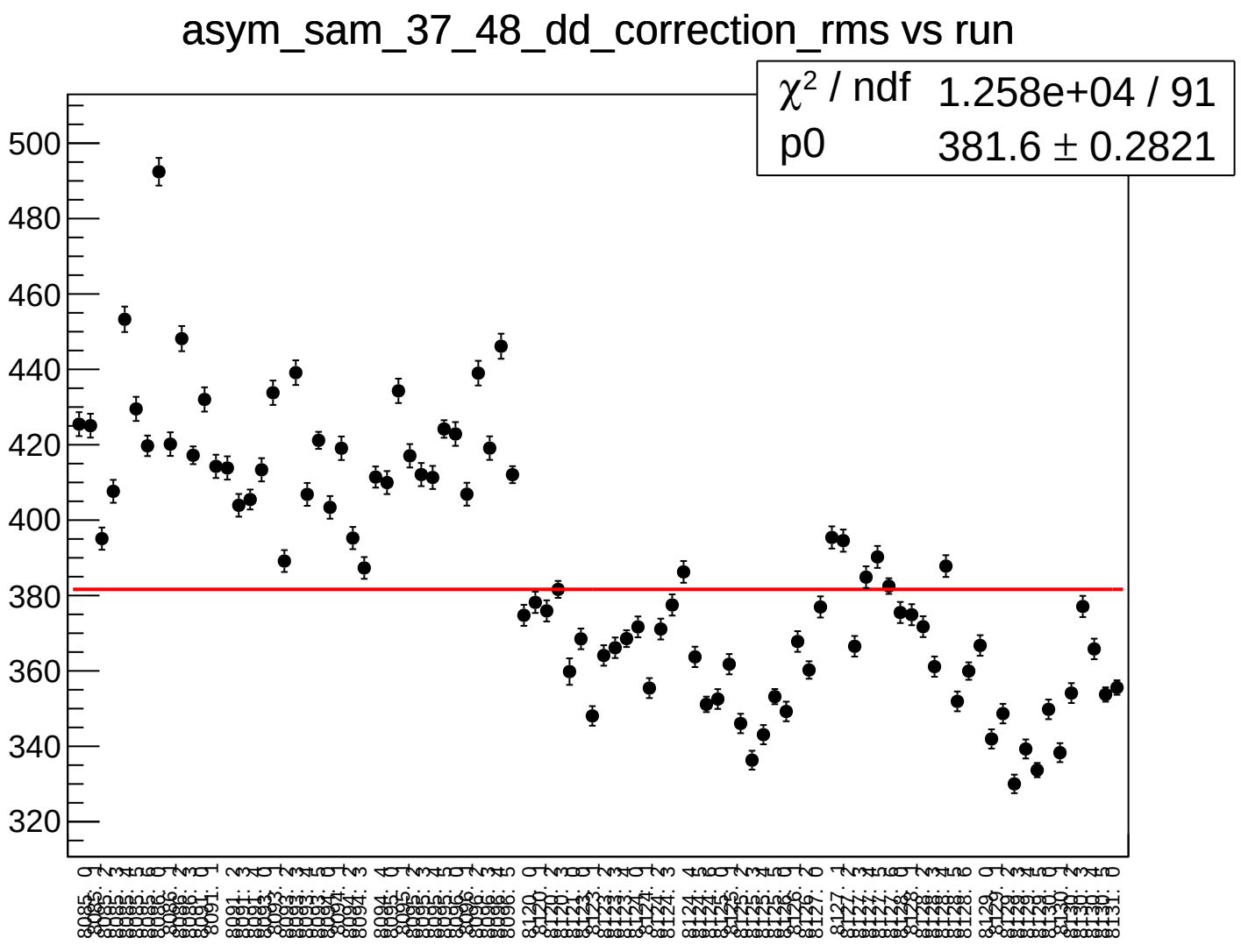

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 87.88 / 91
p0 −187.1 ± 70.11
2000
1000
0
−1000
−2000
pull
Entries 92
Mean −65.24
Std Dev 93.43
2
1
0
−1
−2

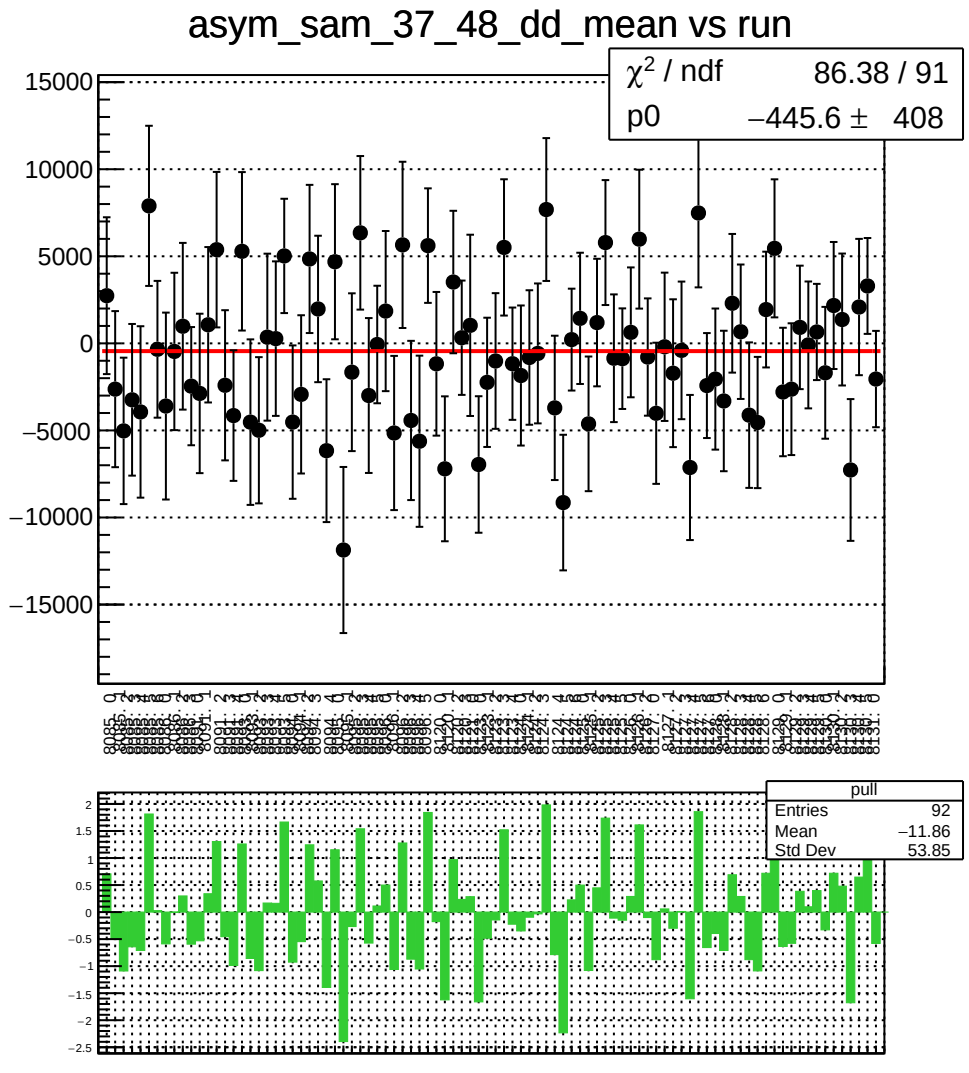

pull1D
Entries 92
Mean −0.01842
Std Dev 0.9772
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

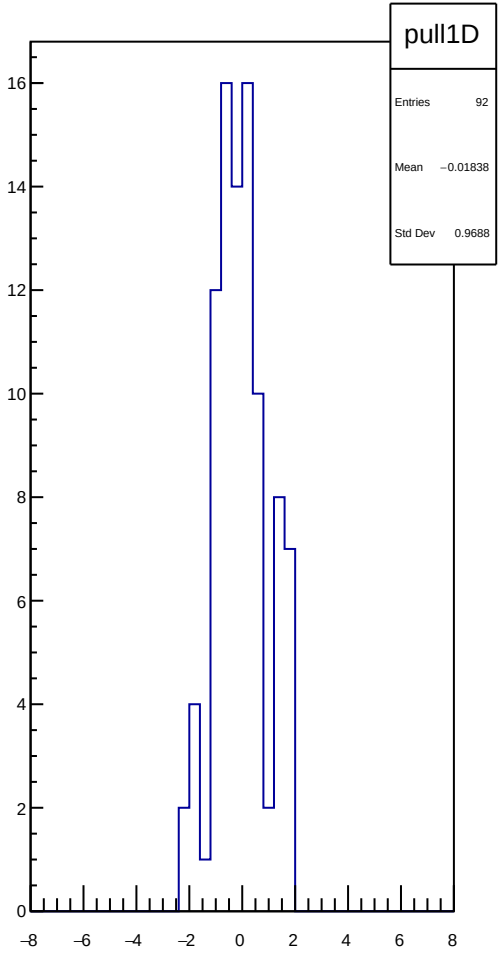

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 4038 / 91
p0 67.22 ± 0.04957
85
80
75
70
65
60

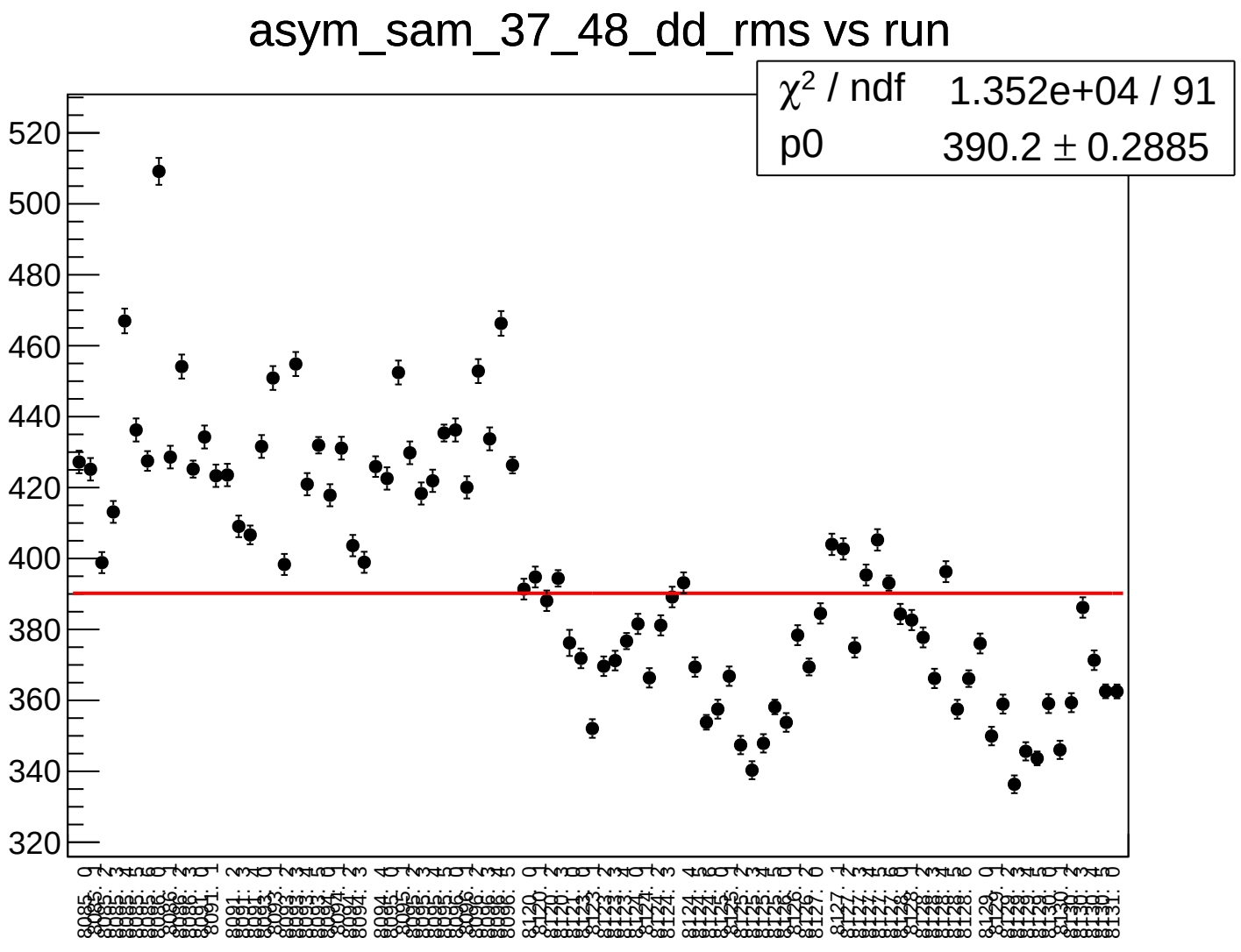

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 84.51 / 91
p0 269.7 ± 399
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −6.073
Std Dev 55.01
2
1
0
−1
−2

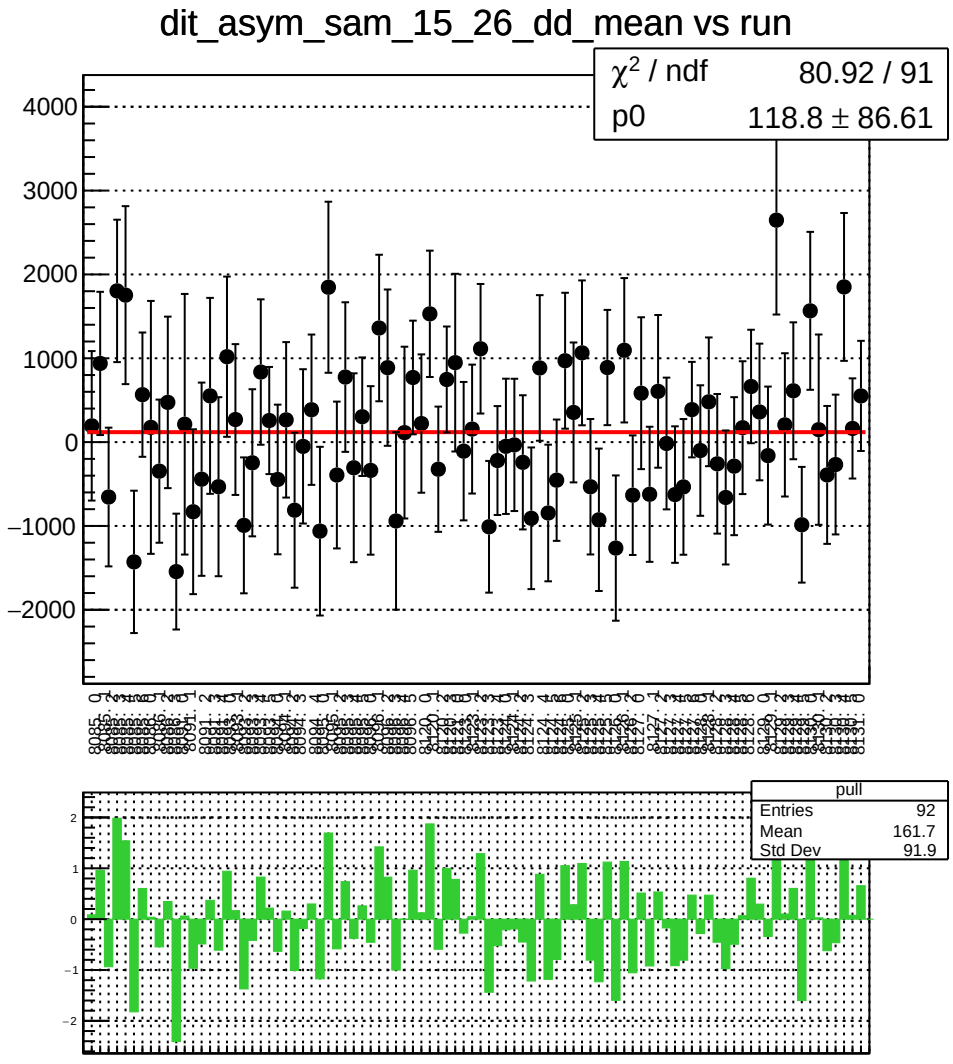

pull1D
Entries 92
Mean 0.01413
Std Dev 0.9583
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

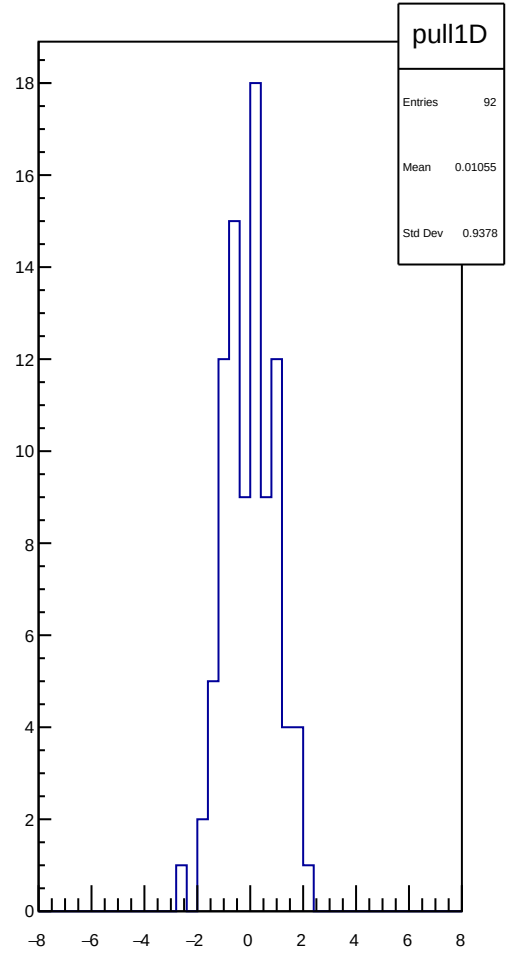

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1.258e+04 / 91
p0 381.6 ± 0.2821
500
480
460
440
420
400
380
360
340
320

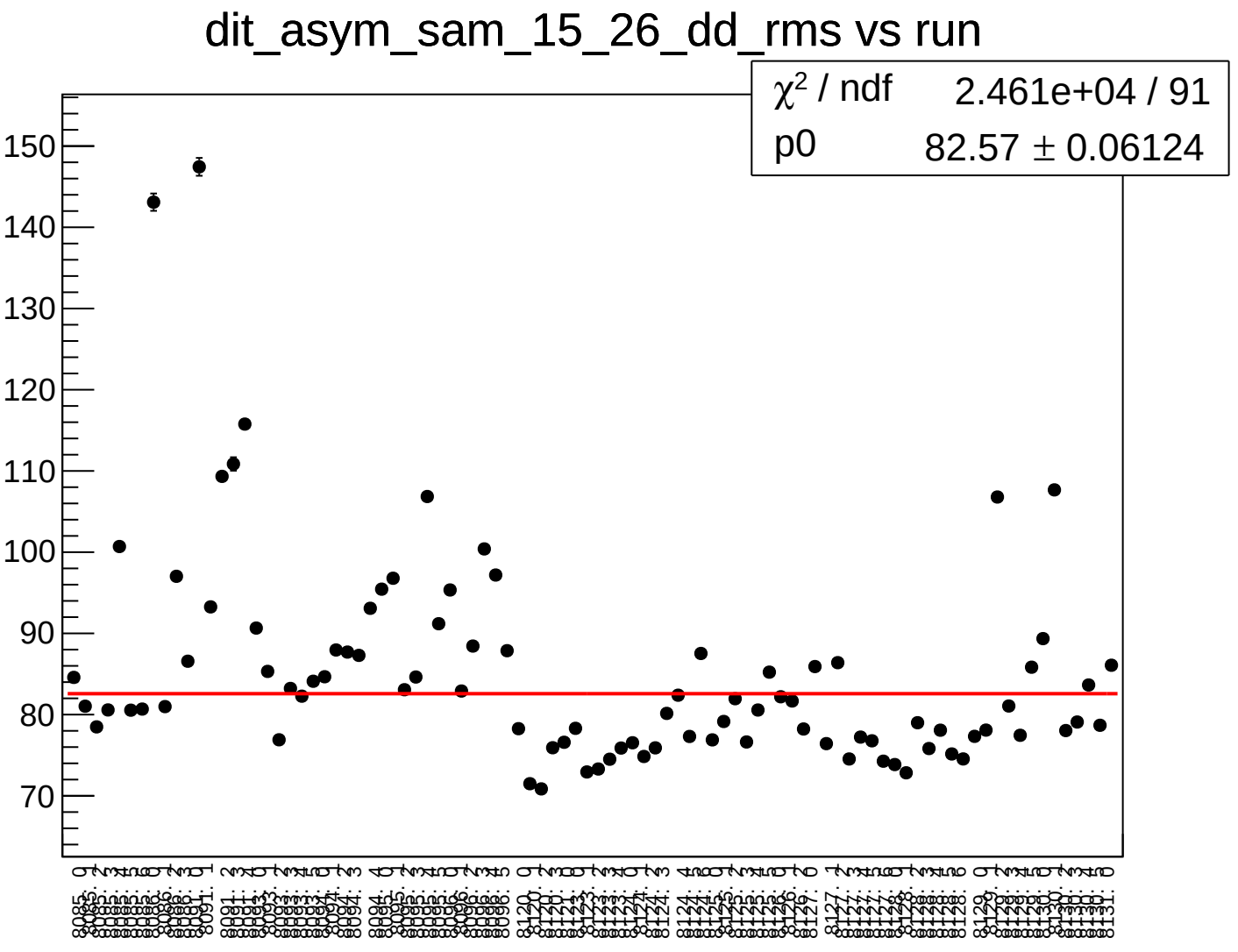

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.38 / 91
p0 −445.6 ± 408
pull
Entries 92
Mean −11.86
Std Dev 53.85

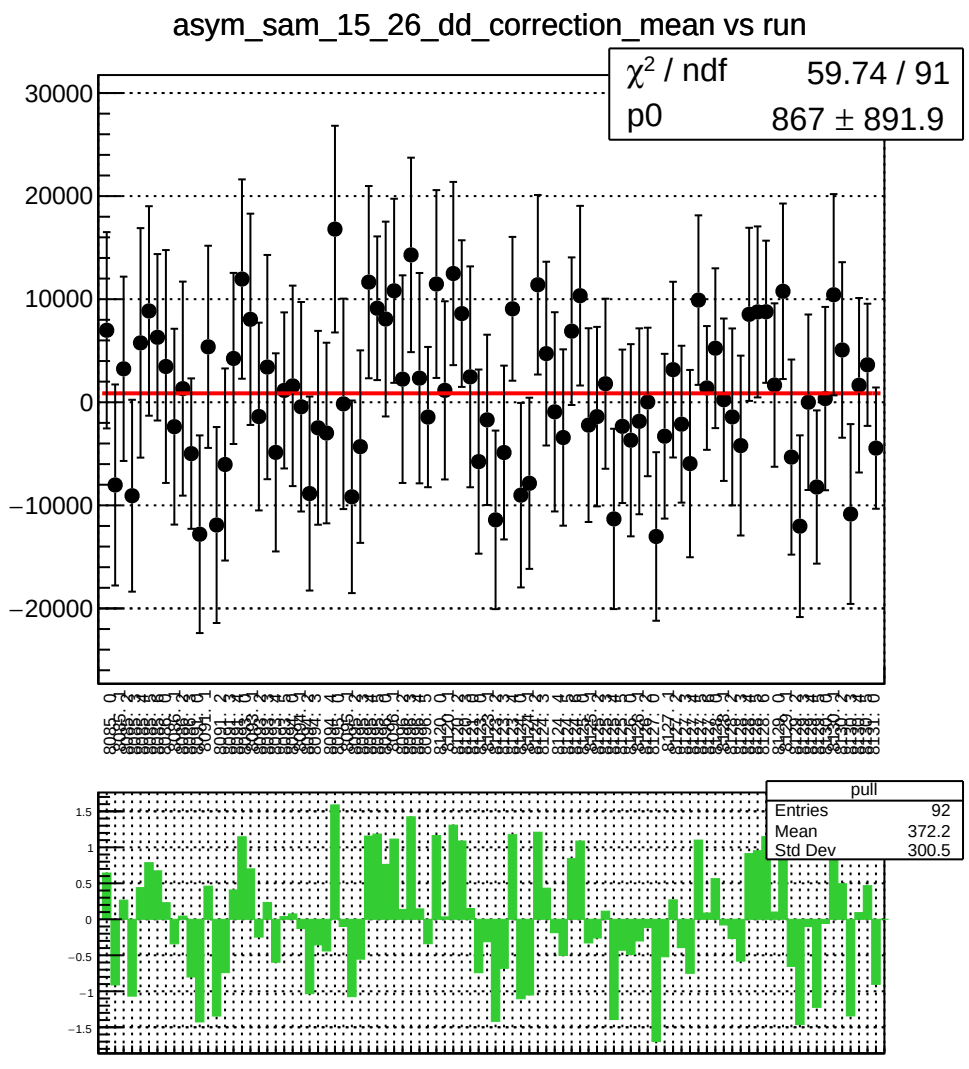

pull1D
Entries 92
Mean −0.01838
Std Dev 0.9688

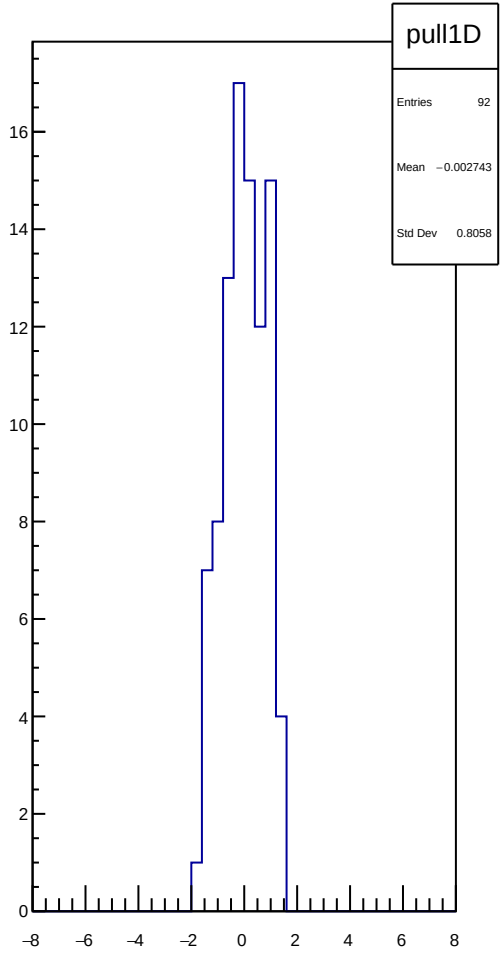

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.352e+04 / 91
p0 390.2 ± 0.2885
520
500
480
460
440
420
400
380
360
340
320

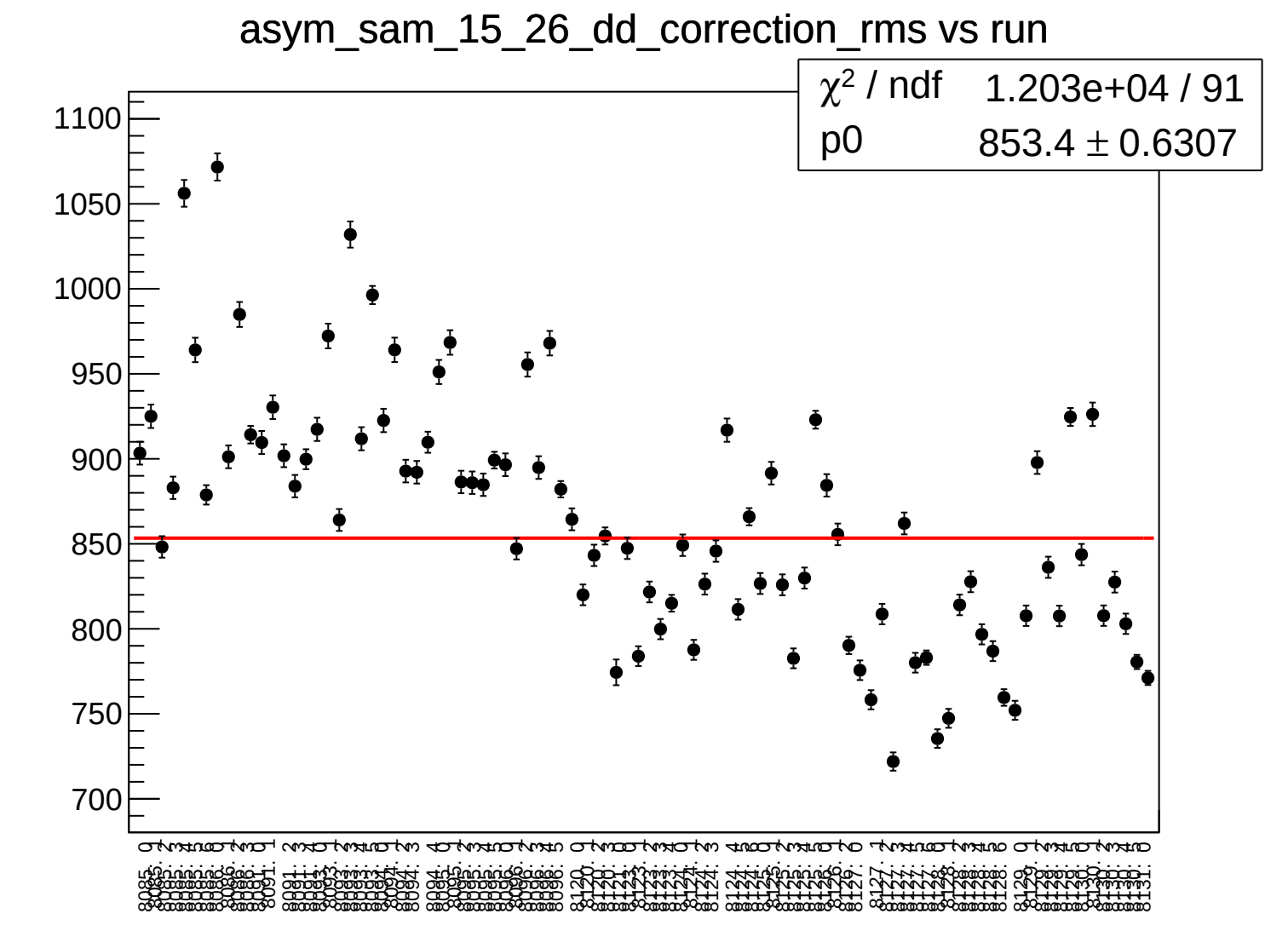

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 80.92 / 91
p0 118.8 ± 86.61
4000
3000
2000
1000
0
−1000
−2000
pull
Entries 92
Mean 161.7
Std Dev 91.9
2
1
0
−1
−2

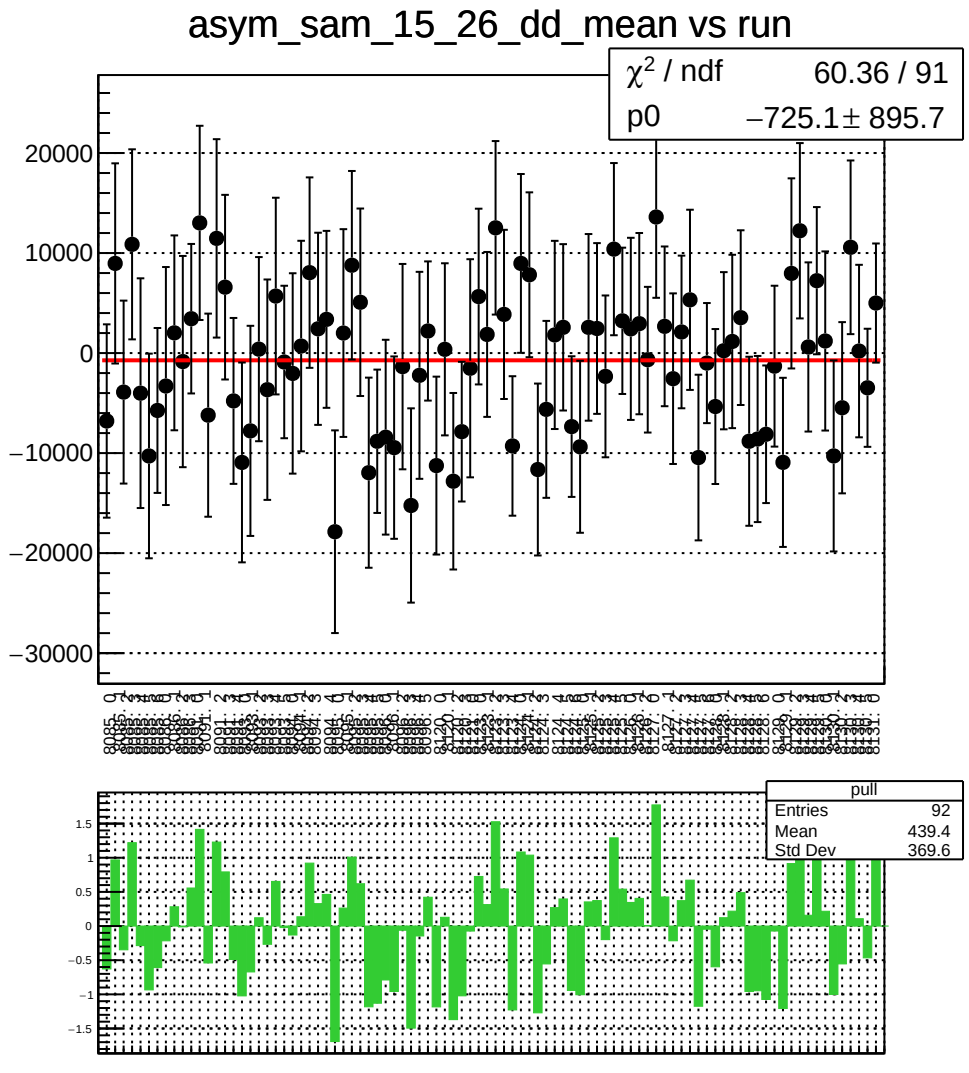

pull1D
Entries 92
Mean 0.01055
Std Dev 0.9378
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

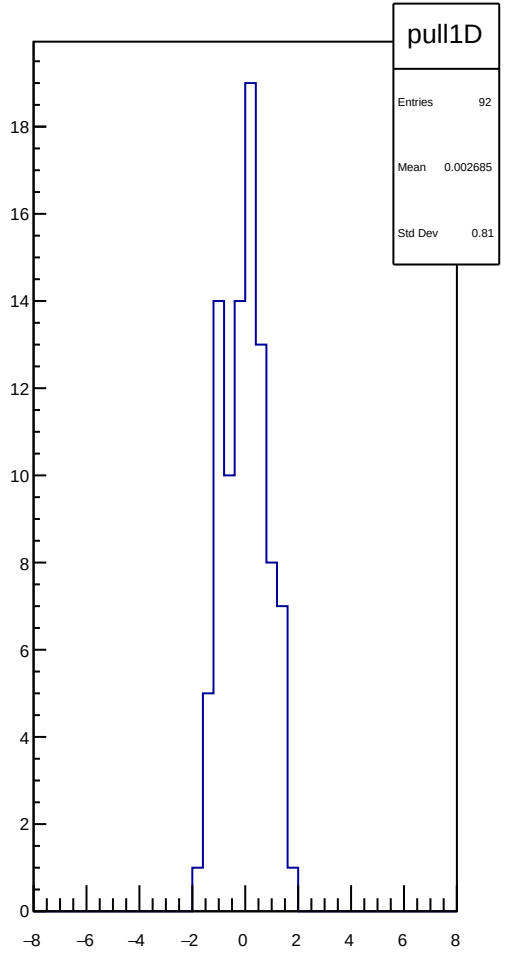

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.461e+04 / 91
p0 82.57 ± 0.06124
150
140
130
120
110
100
90
80
70

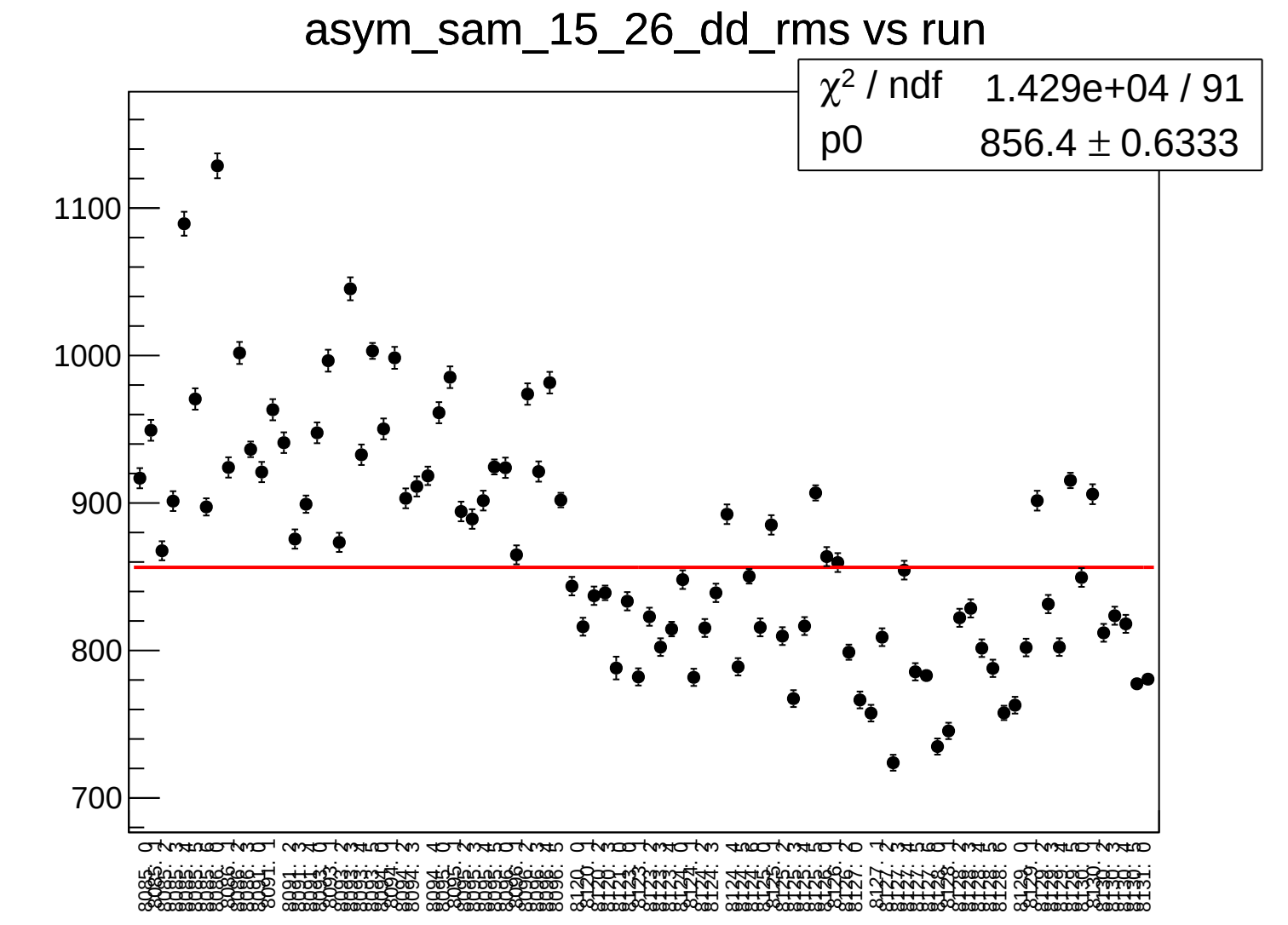

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 59.74 / 91
p0 867 ± 891.9
30000
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 372.2
Std Dev 300.5
1.5
1
0.5
0
−0.5
−1
−1.5

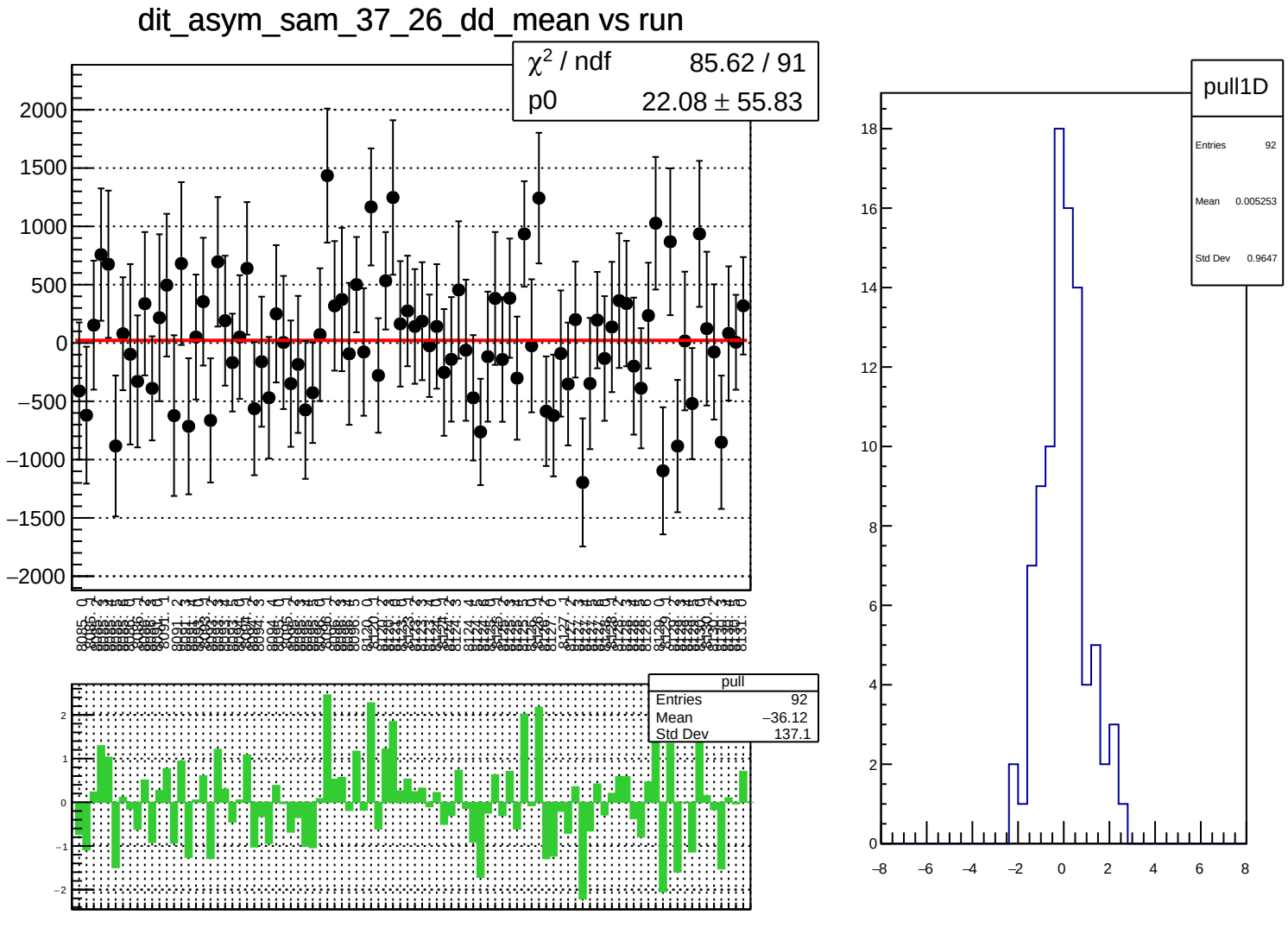

pull1D
Entries 92
Mean −0.002743
Std Dev 0.8058
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

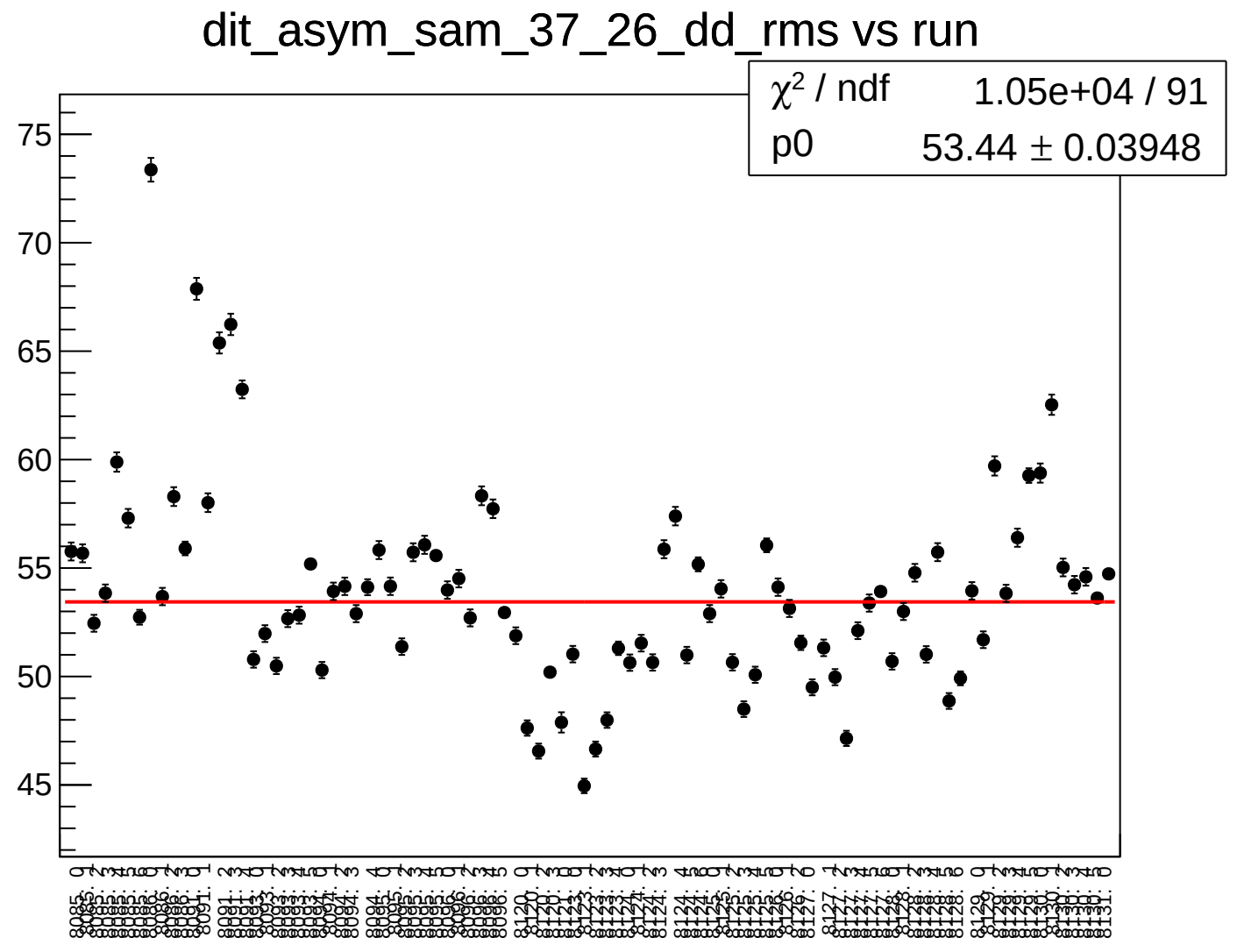

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 1.203e+04 / 91
p0 853.4 ± 0.6307
1100
1050
1000
950
900
850
800
750
700

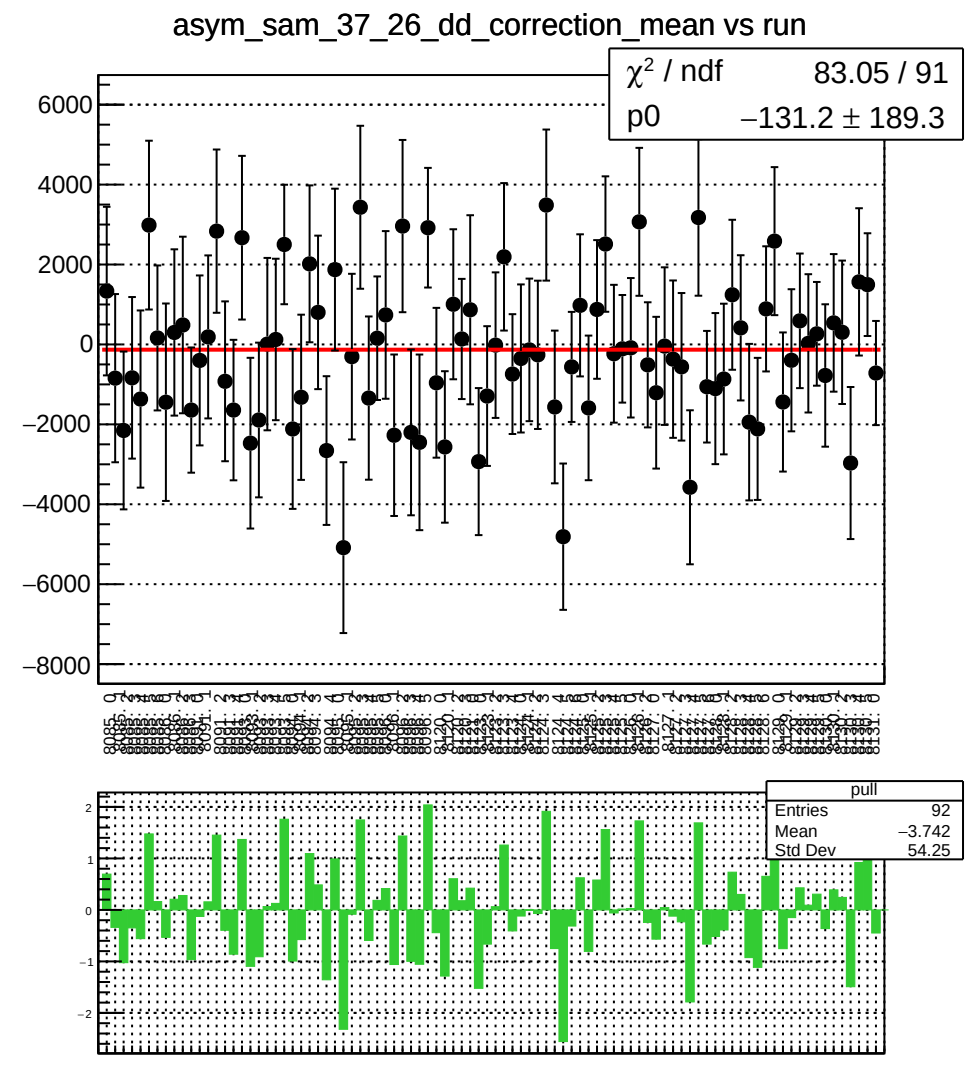

asym_sam_15_26_dd_mean vs run
χ² / ndf 60.36 / 91
p0 −725.1± 895.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 439.4
Std Dev 369.6
1.5
1
0.5
0
−0.5
−1
−1.5

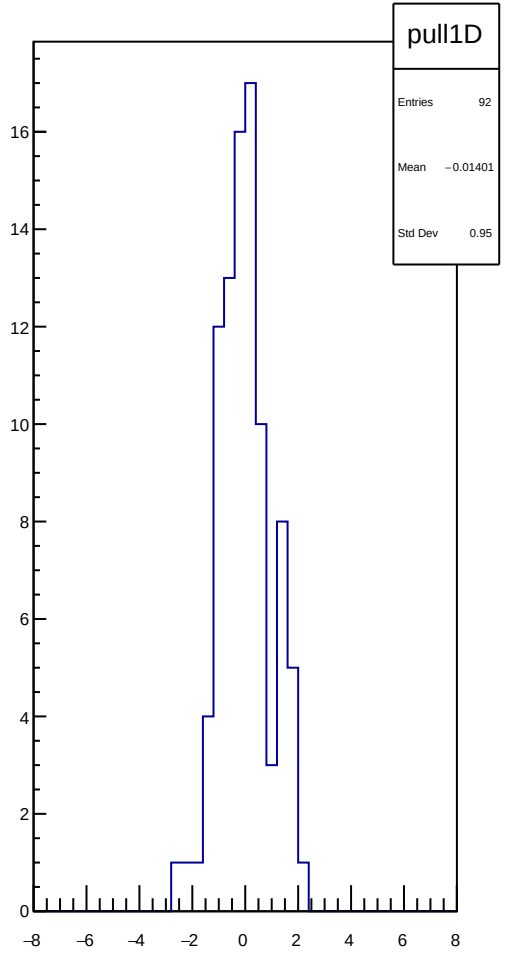

pull1D
Entries 92
Mean 0.002685
Std Dev 0.81
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

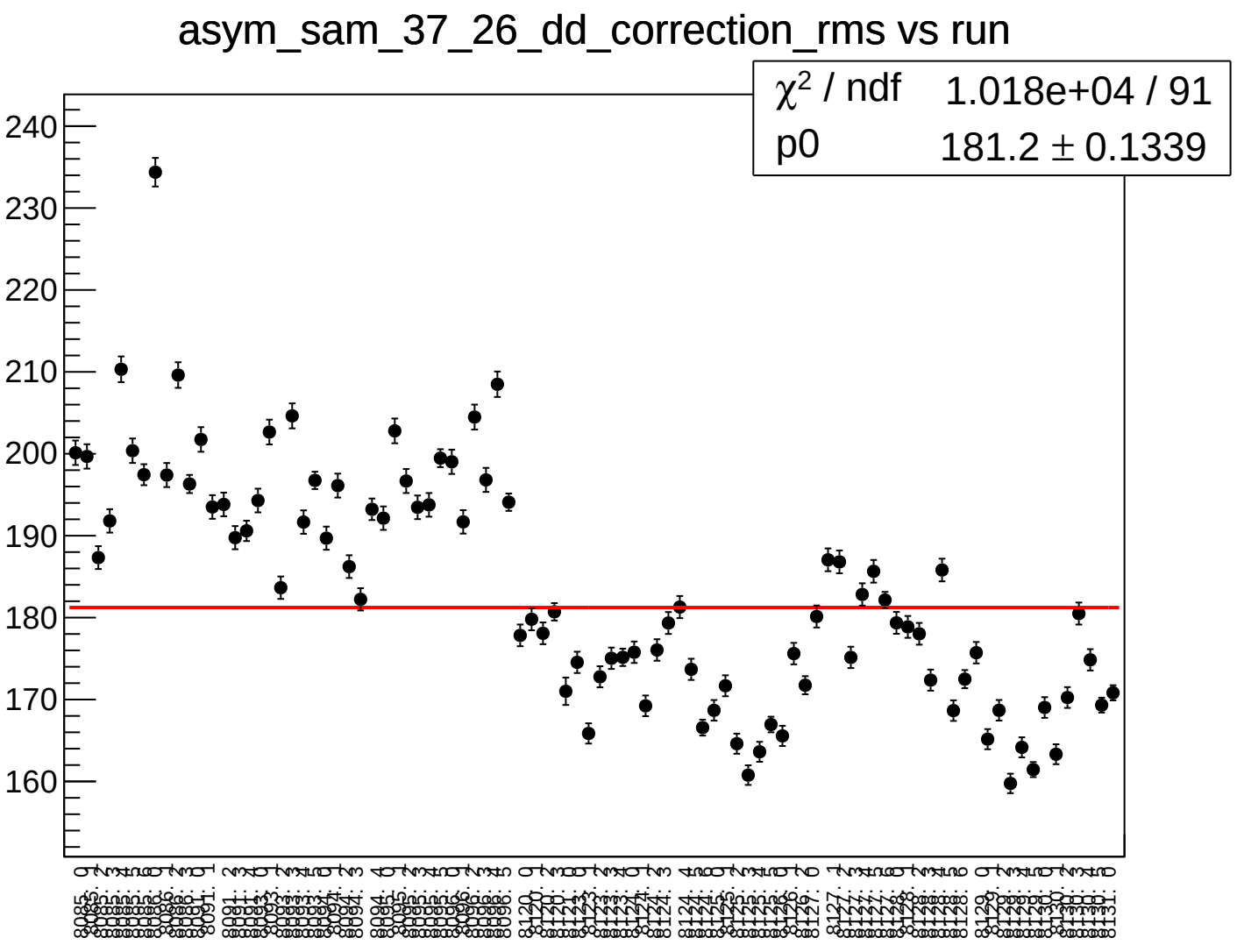

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.429e+04 / 91
p0 856.4 ± 0.6333
1100
1000
900
800
700

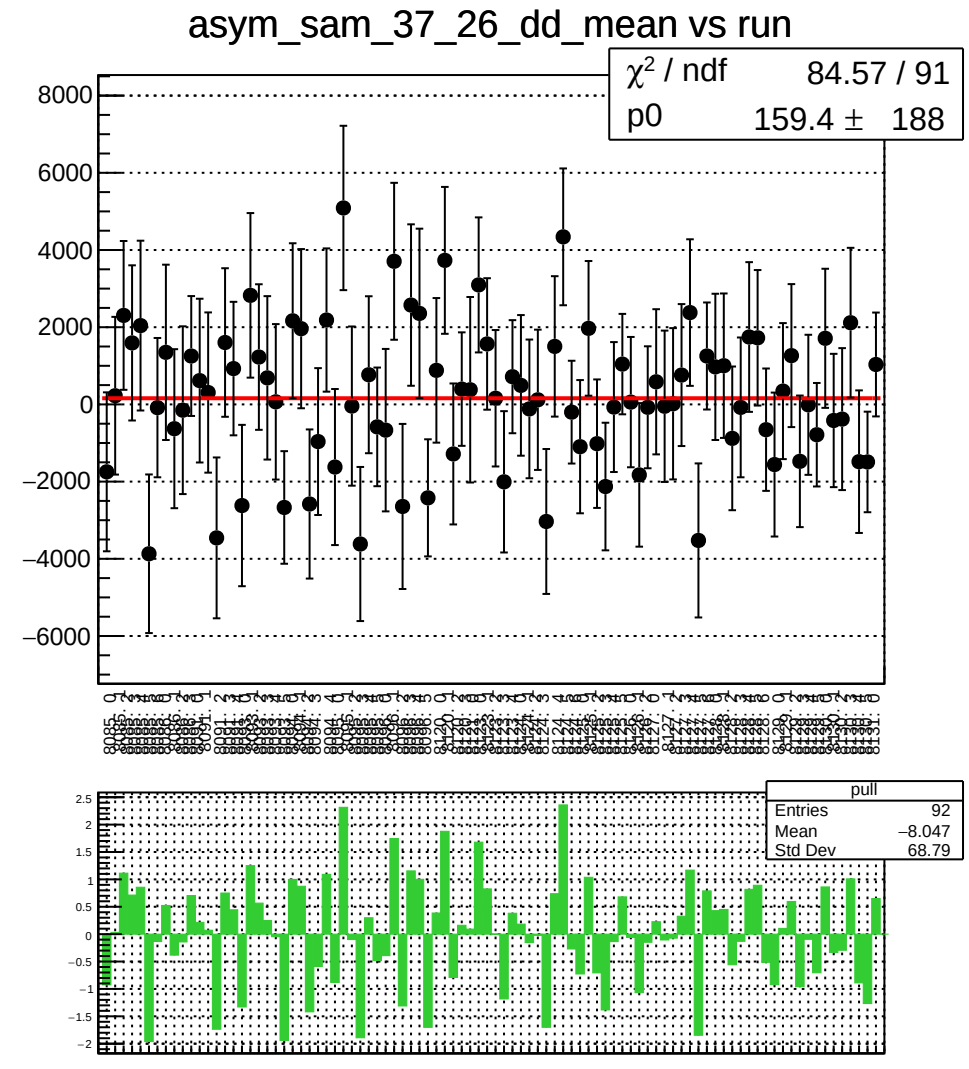

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 85.62 / 91
p0 22.08 ± 55.83
pull
Entries 92
Mean −36.12
Std Dev 137.1
pull1D
Entries 92
Mean 0.005253
Std Dev 0.9647

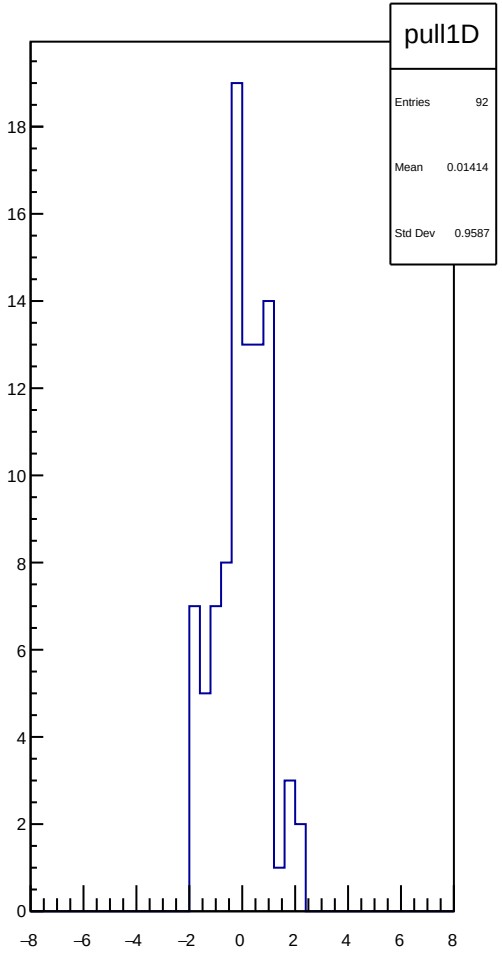

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.05e+04 / 91
p0 53.44 ± 0.03948
75
70
65
60
55
50
45

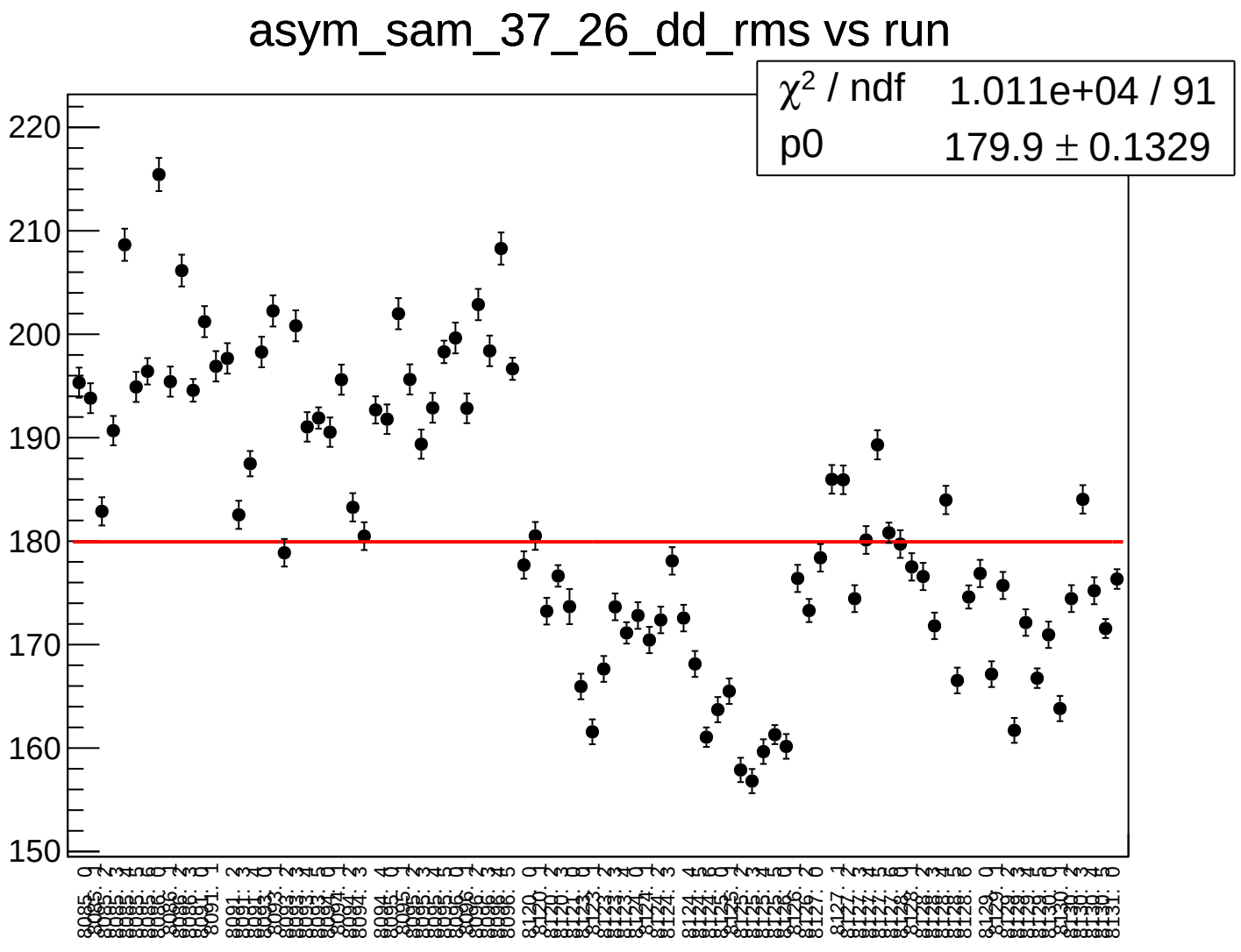

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 83.05 / 91
p0 −131.2 ± 189.3
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean −3.742
Std Dev 54.25
2
1
0
−1
−2

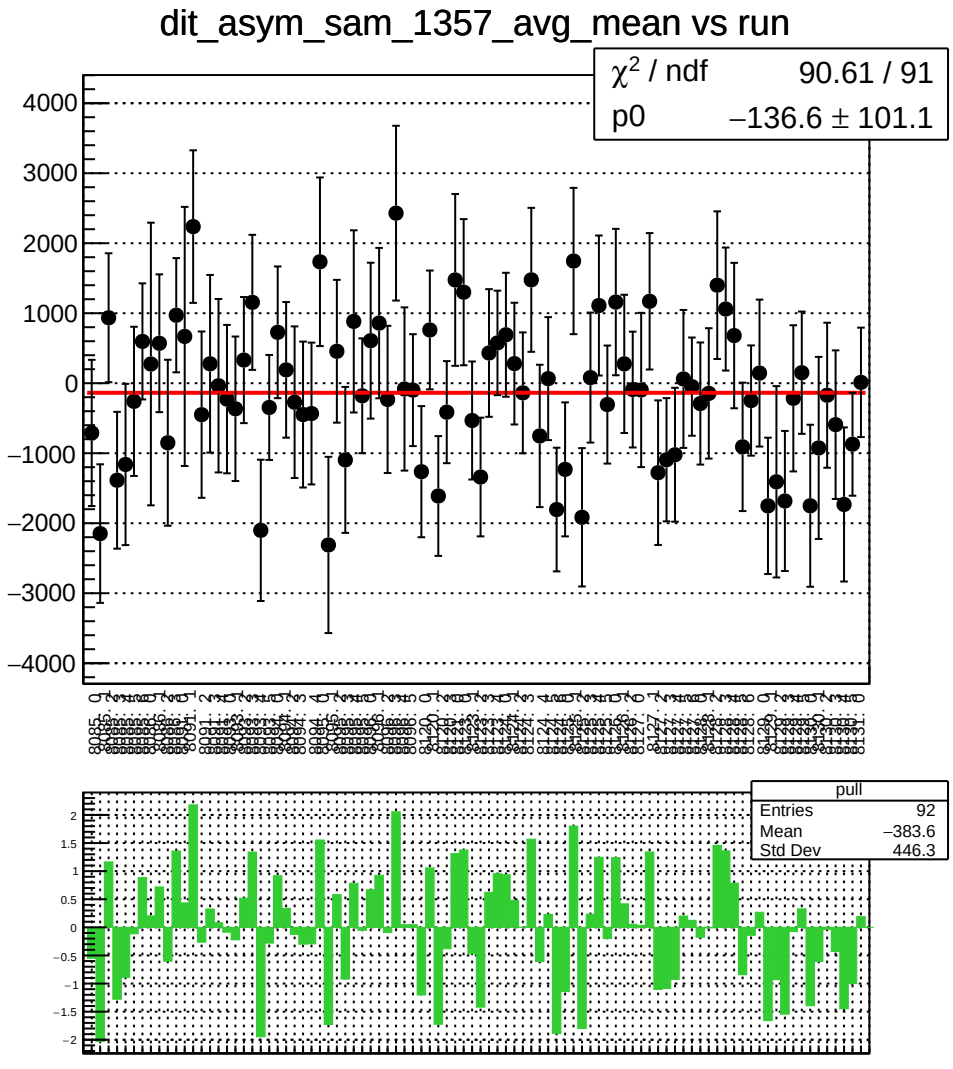

pull1D
Entries 92
Mean −0.01401
Std Dev 0.95
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

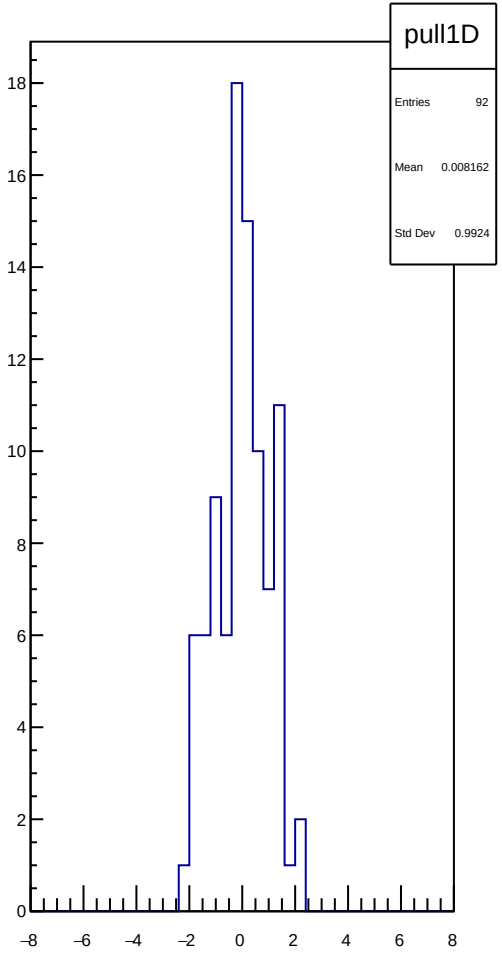

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.018e+04 / 91
p0 181.2 ± 0.1339
240
230
220
210
200
190
180
170
160

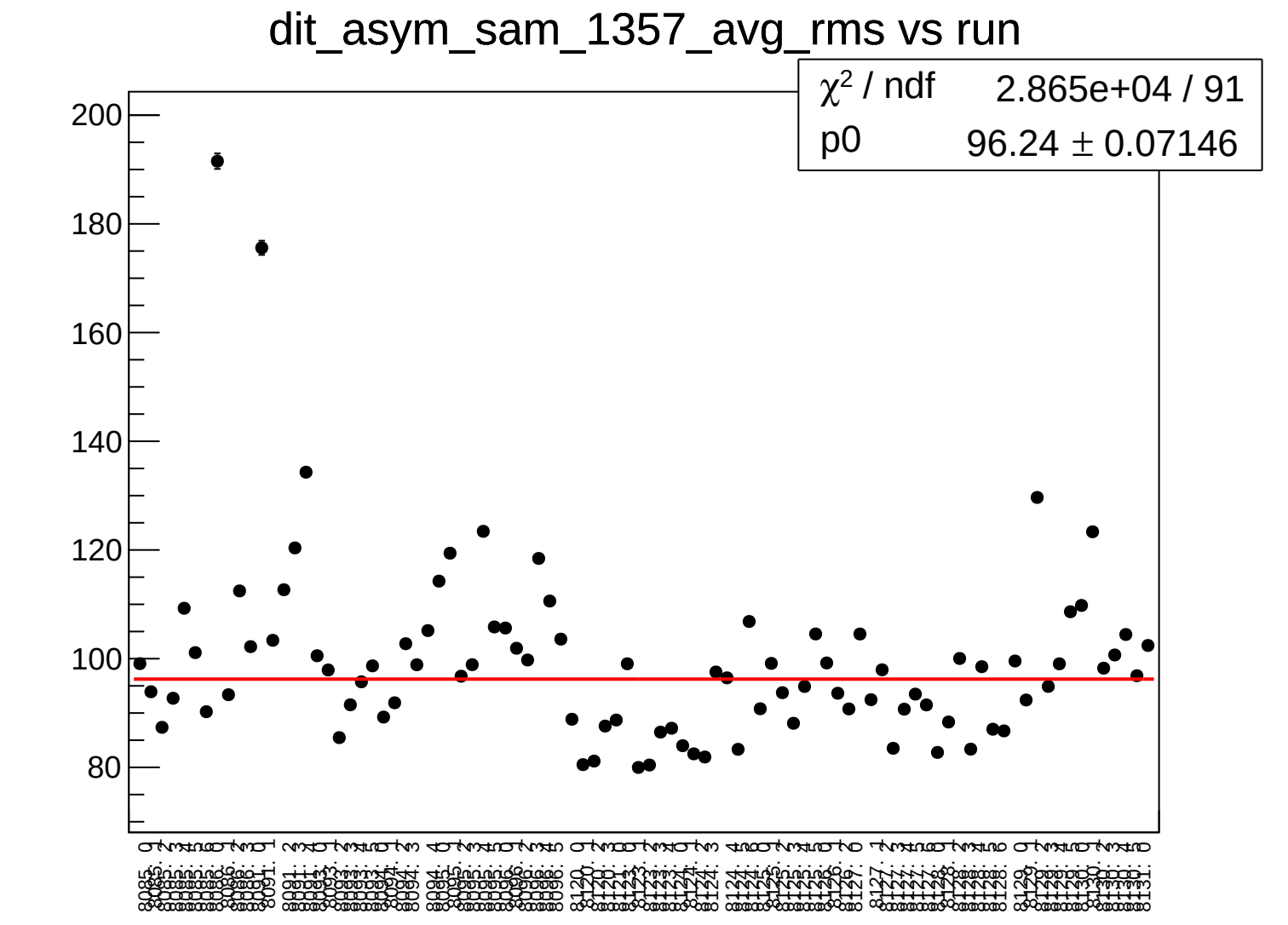

asym_sam_37_26_dd_mean vs run
χ² / ndf 84.57 / 91
p0 159.4 ± 188
pull
Entries 92
Mean −8.047
Std Dev 68.79

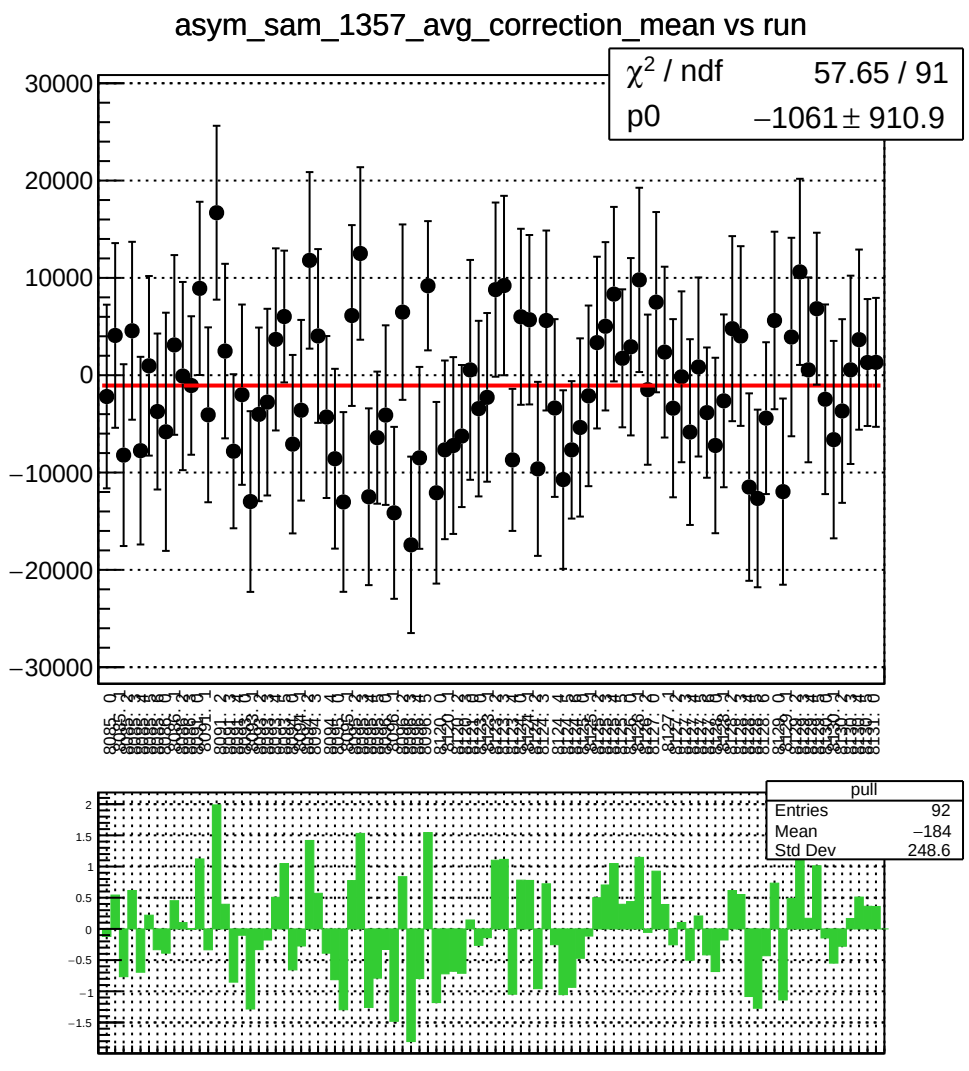

pull1D
Entries 92
Mean 0.01414
Std Dev 0.9587

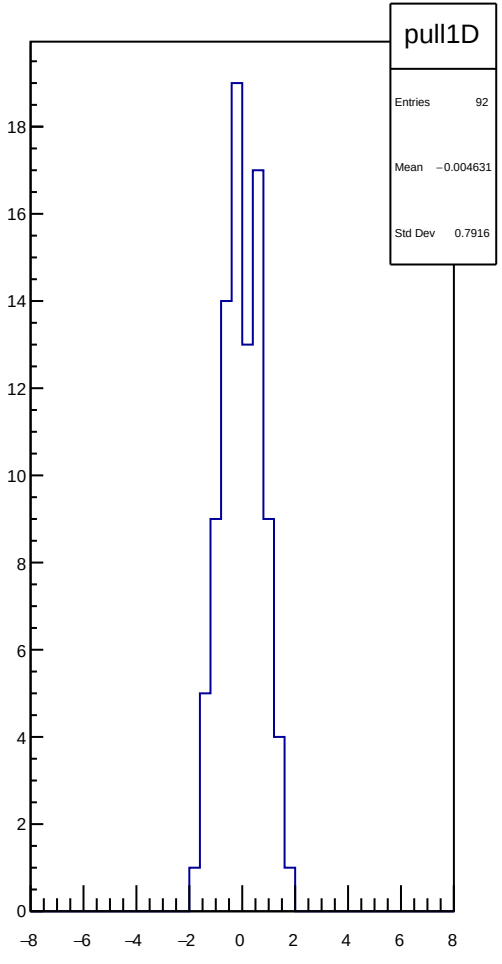

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.011e+04 / 91
p0 179.9 ± 0.1329
220
210
200
190
180
170
160
150

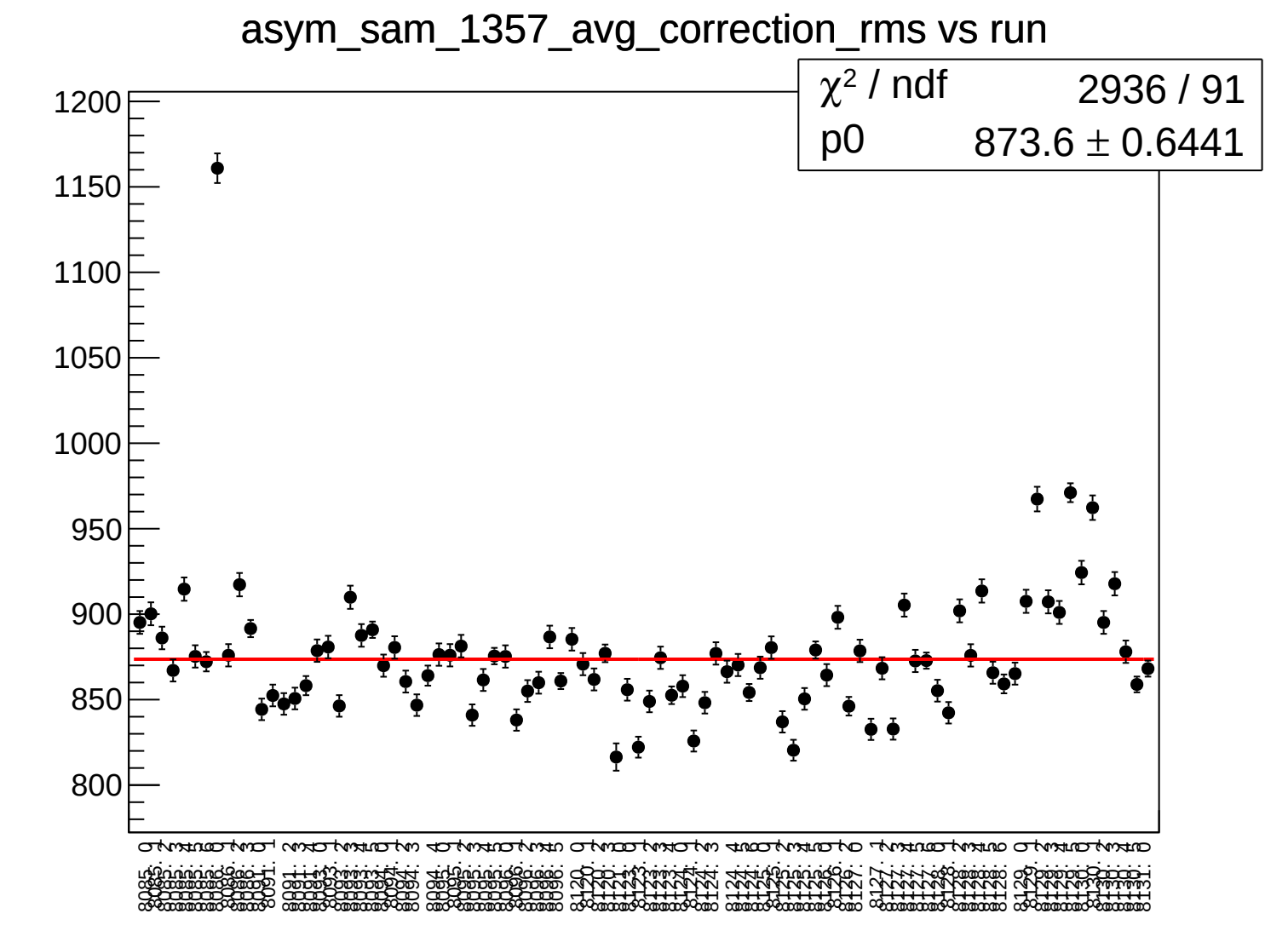

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 90.61 / 91
p0 −136.6 ± 101.1
pull
Entries 92
Mean −383.6
Std Dev 446.3

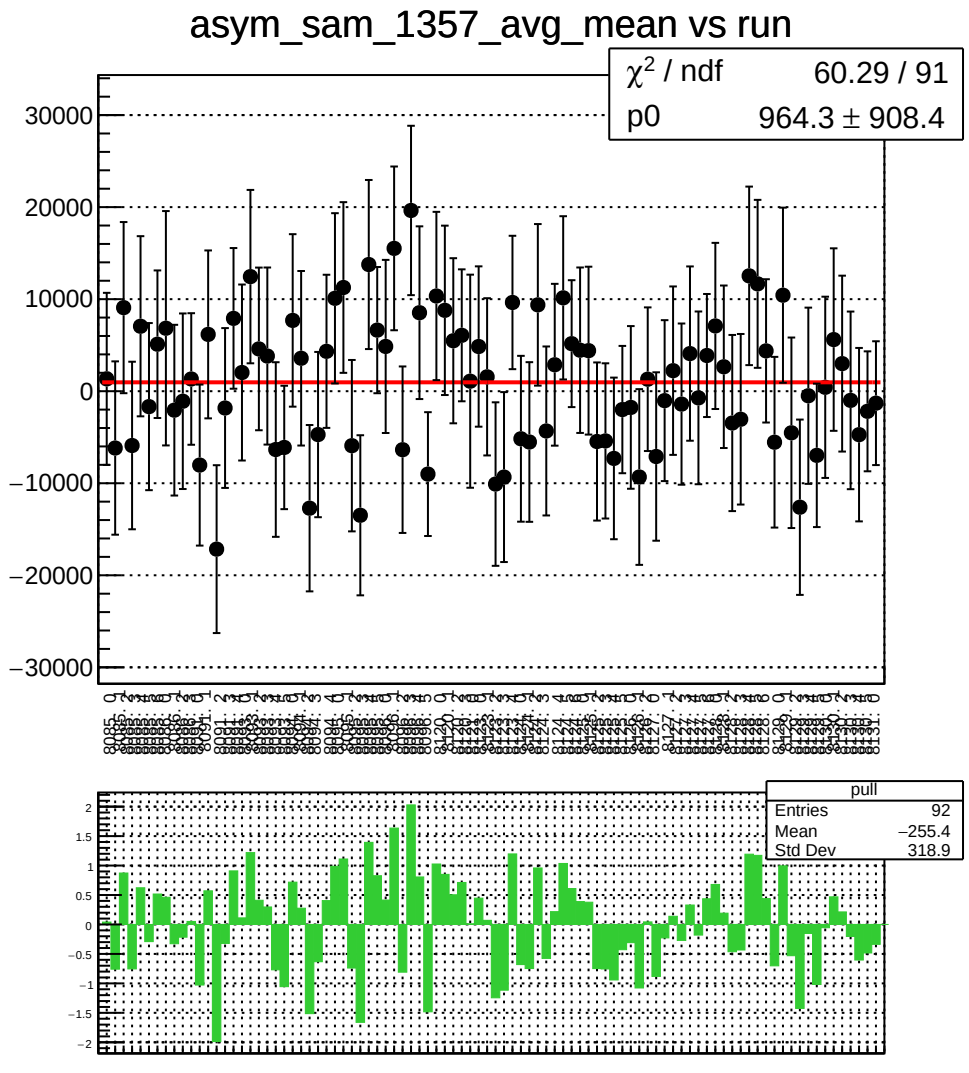

pull1D
Entries 92
Mean 0.008162
Std Dev 0.9924

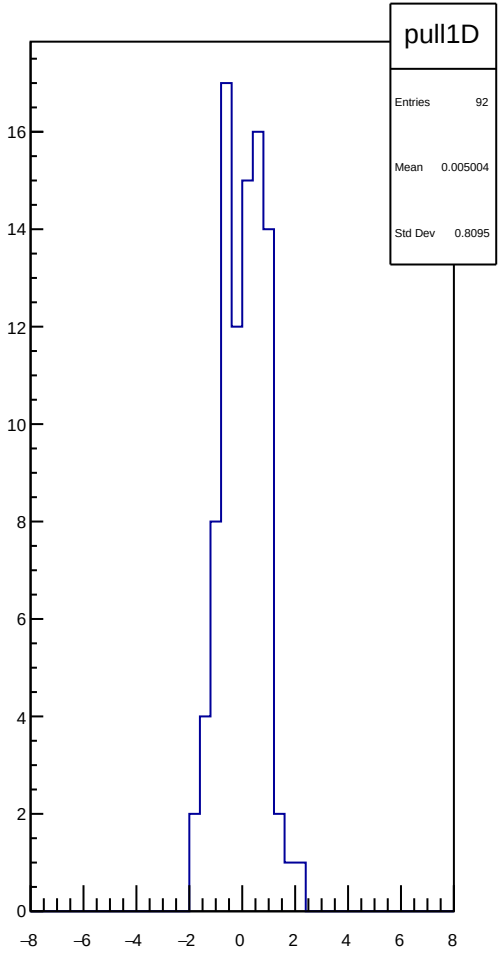

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.865e+04 / 91
p0 96.24 ± 0.07146
200
180
160
140
120
100
80

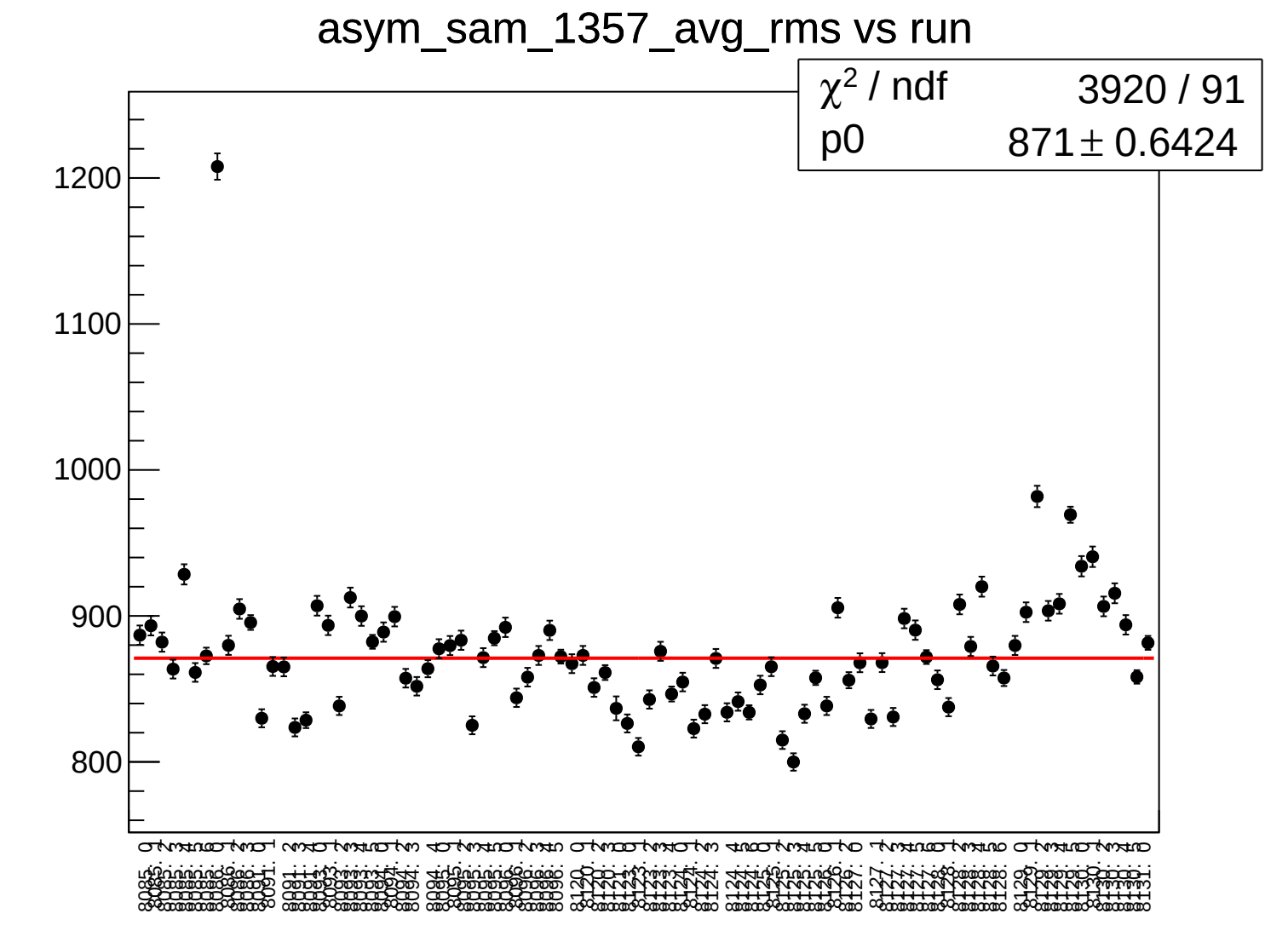

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 57.65 / 91
p0 −1061 ± 910.9
pull
Entries 92
Mean −184
Std Dev 248.6

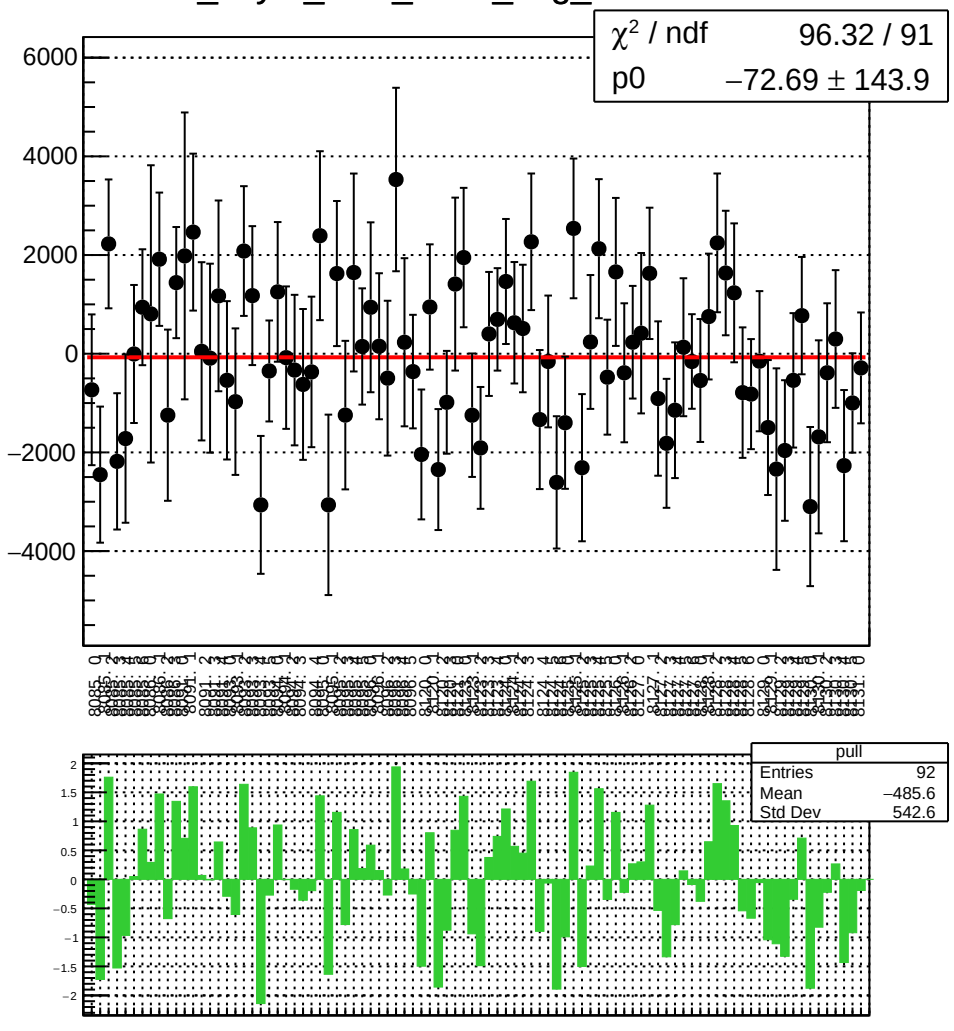

pull1D
Entries 92
Mean −0.004631
Std Dev 0.7916

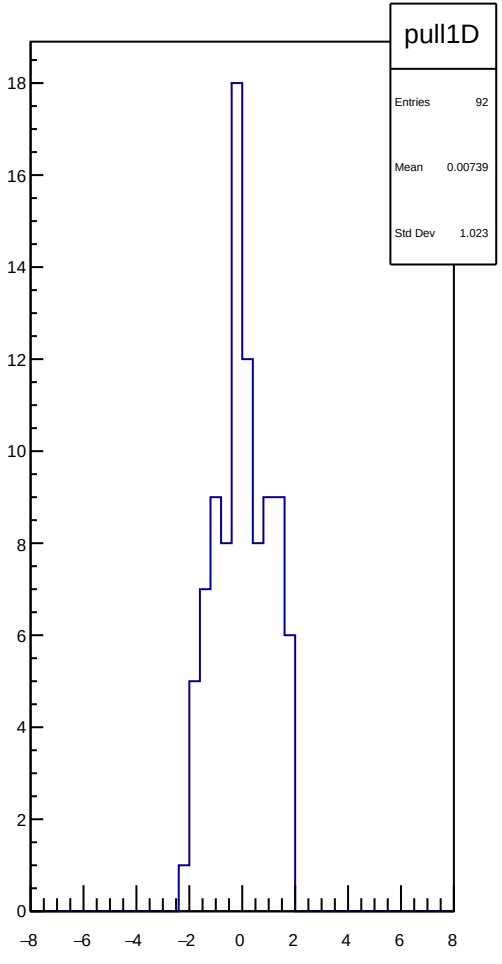

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2936 / 91
p0 873.6 ± 0.6441
1200
1150
1100
1050
1000
950
900
850
800

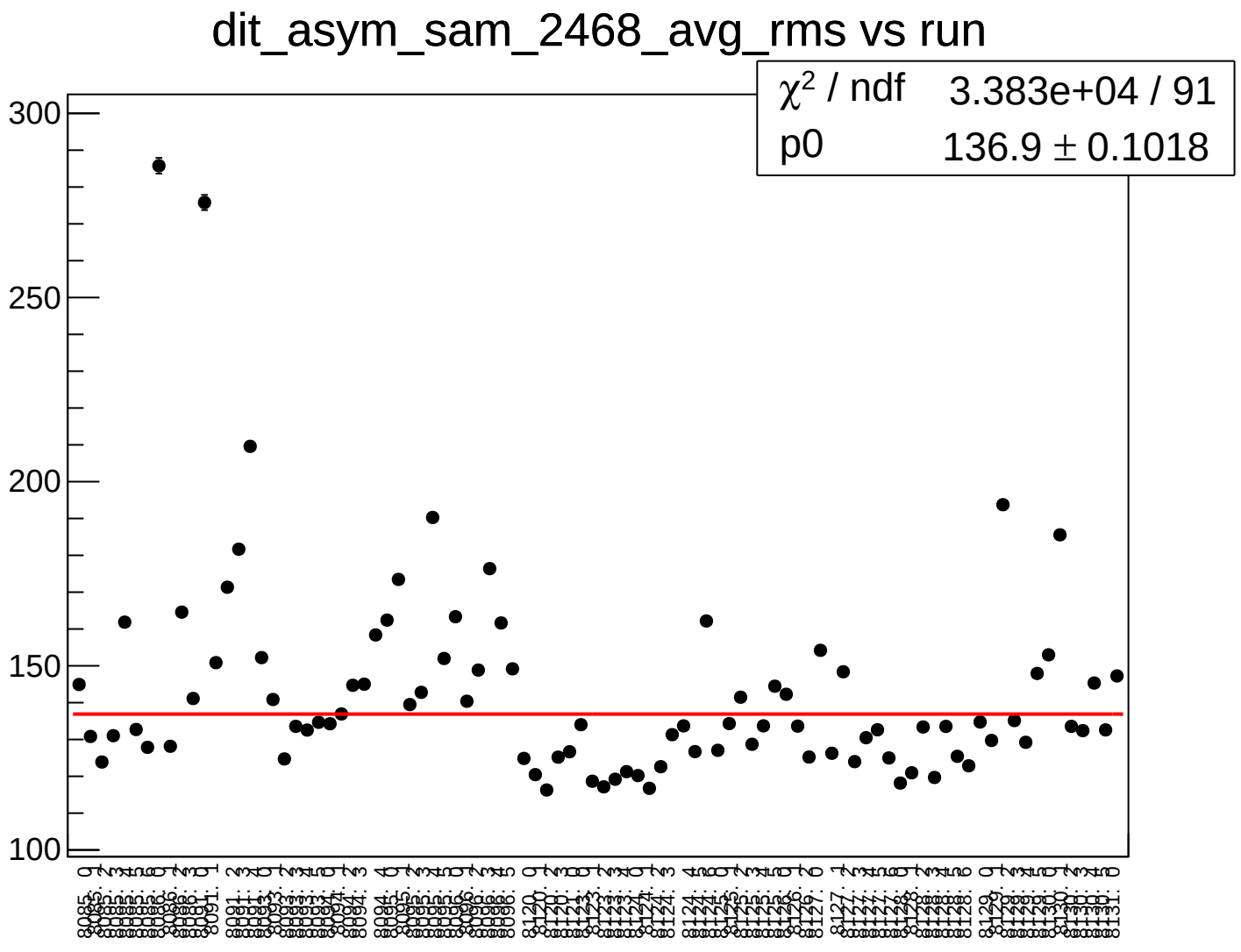

asym_sam_1357_avg_mean vs run
χ² / ndf 60.29 / 91
p0 964.3 ± 908.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −255.4
Std Dev 318.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

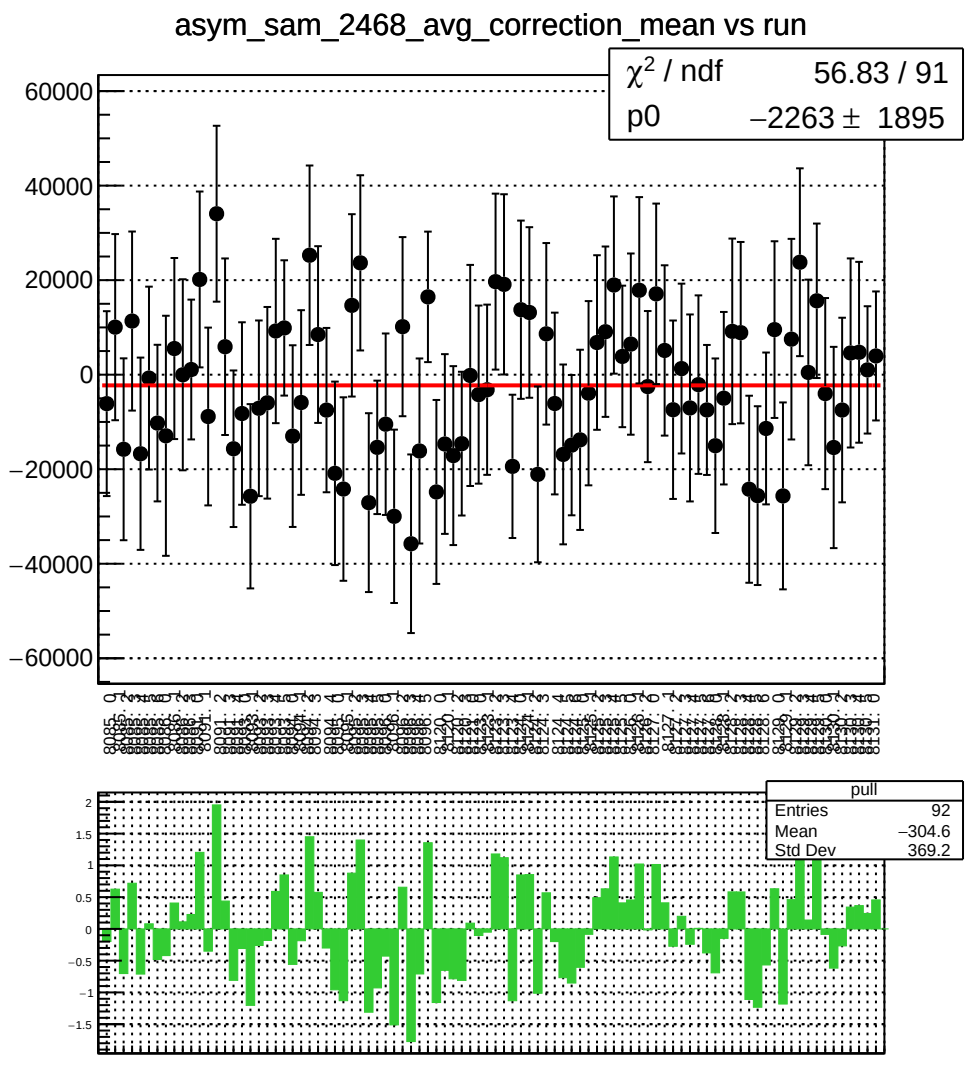

pull1D
Entries 92
Mean 0.005004
Std Dev 0.8095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

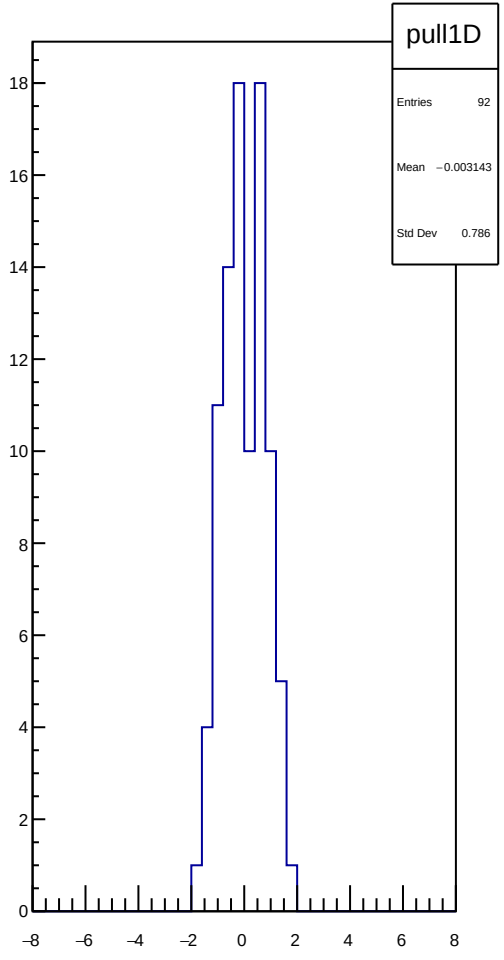

asym_sam_1357_avg_rms vs run
χ² / ndf 3920 / 91
p0 871 ± 0.6424
1200
1100
1000
900
800

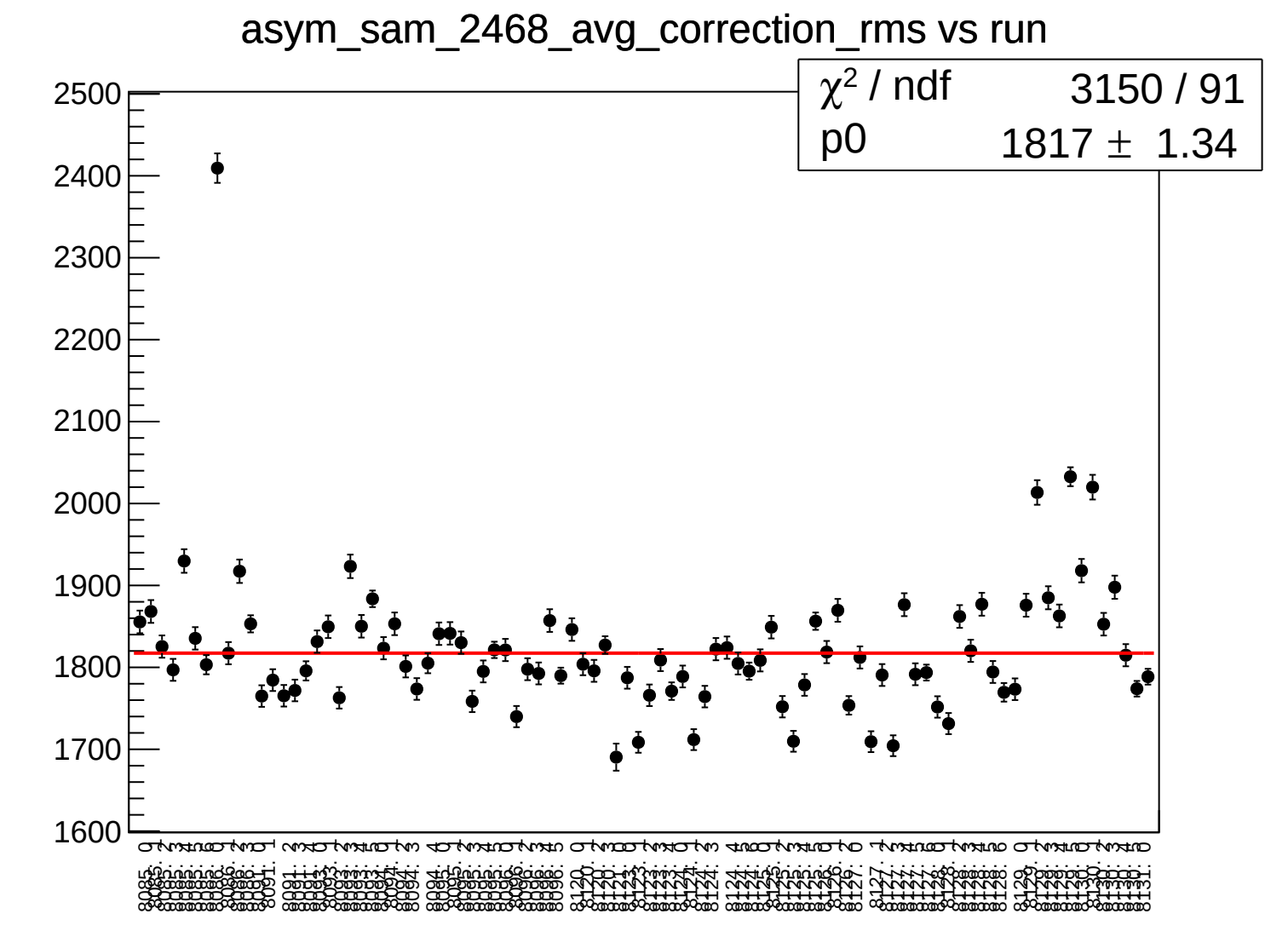

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 96.32 / 91
p0 −72.69 ± 143.9
6000
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −485.6
Std Dev 542.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

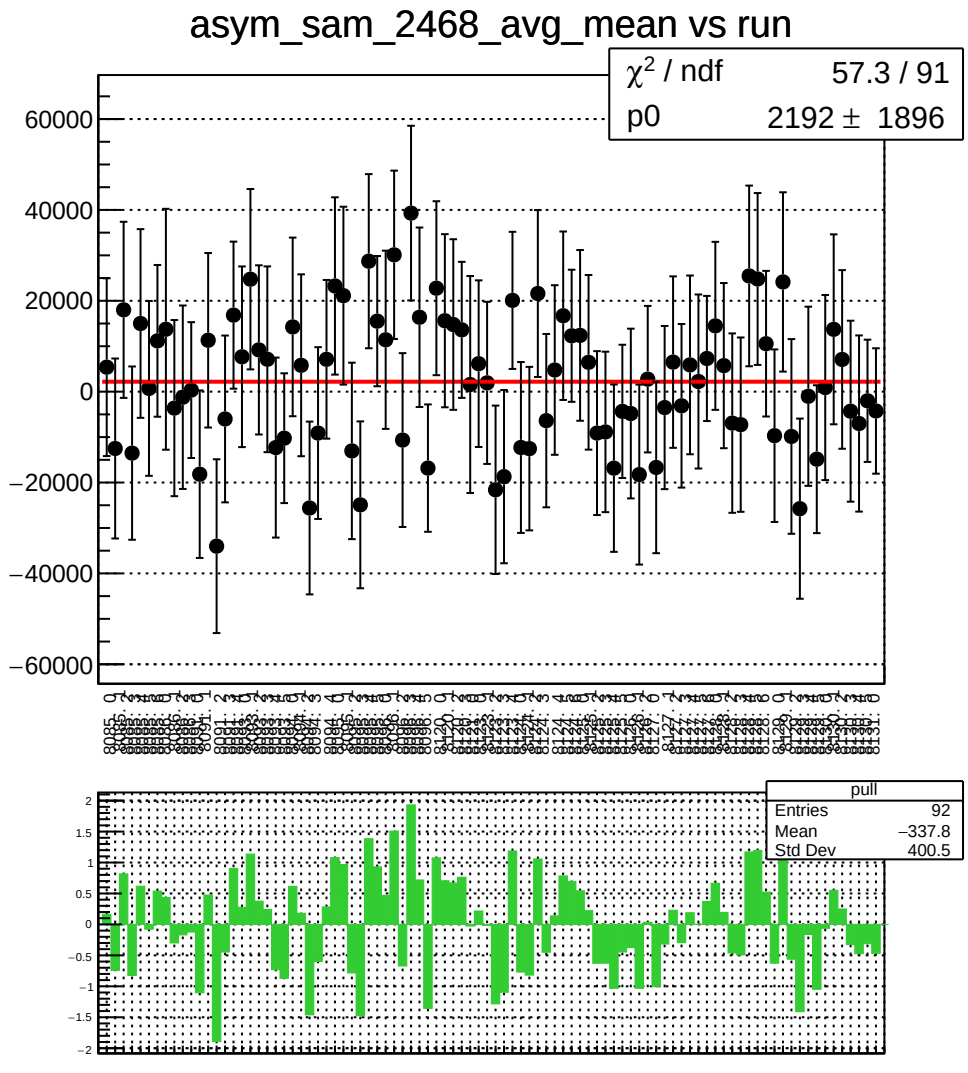

pull1D
Entries 92
Mean 0.00739
Std Dev 1.023
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

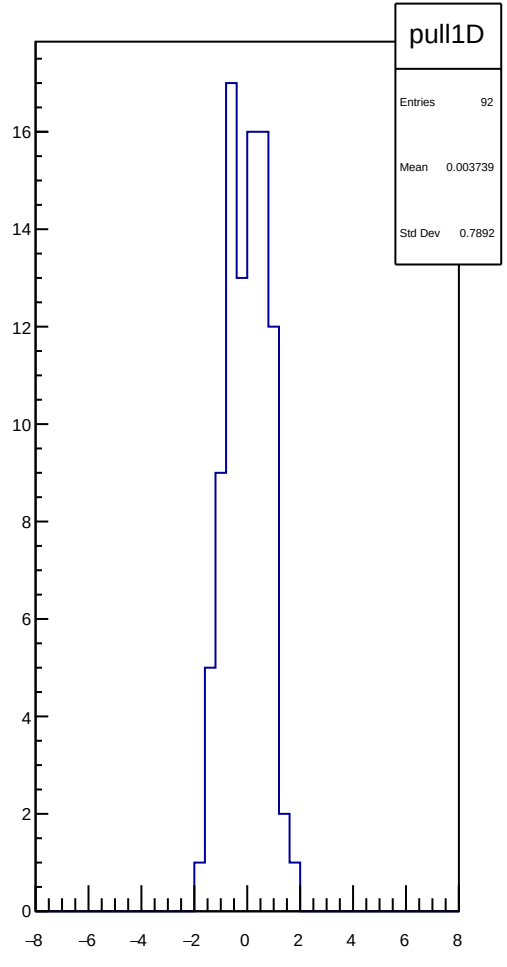

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.383e+04 / 91
p0 136.9 ± 0.1018
300
250
200
150
100

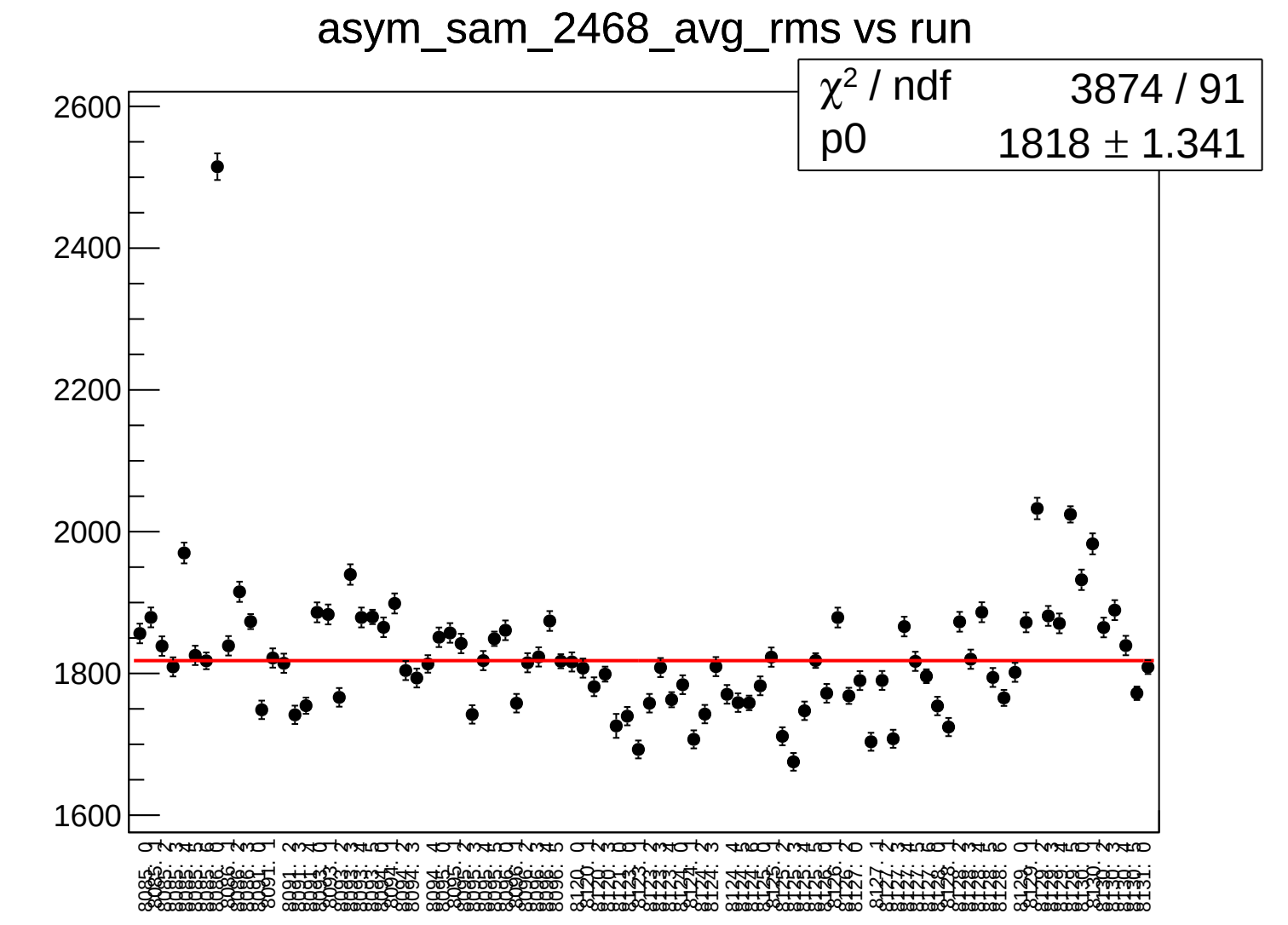

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 56.83 / 91
p0 −2263 ± 1895
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −304.6
Std Dev 369.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

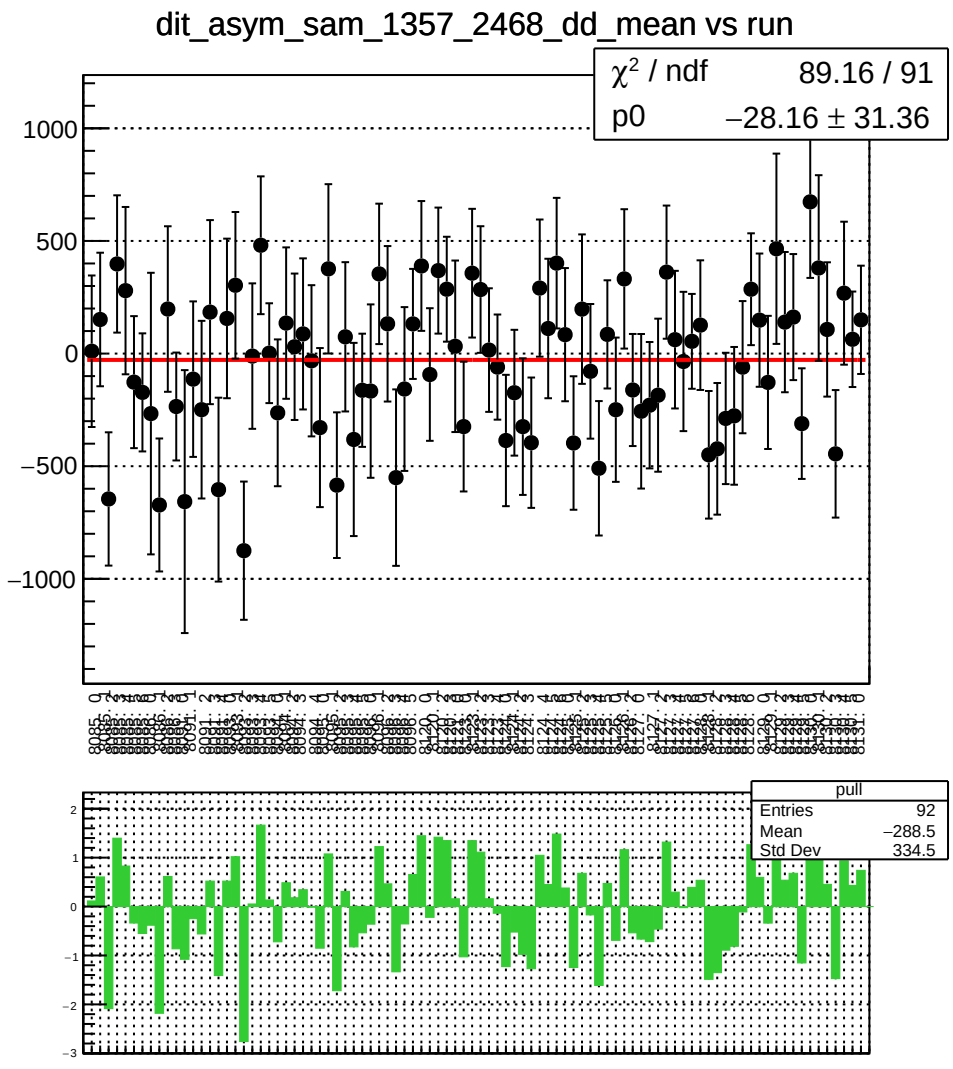

pull1D
Entries 92
Mean −0.003143
Std Dev 0.786
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

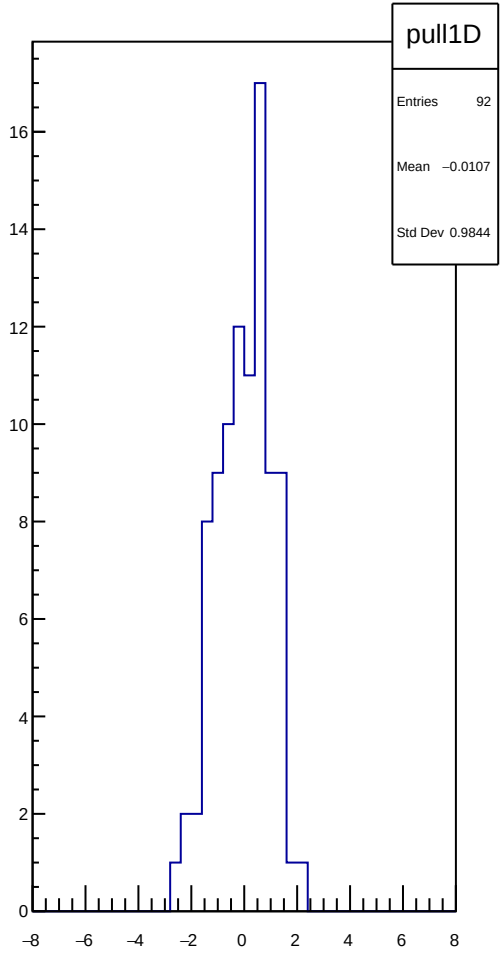

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3150 / 91
p0 1817 ± 1.34
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600

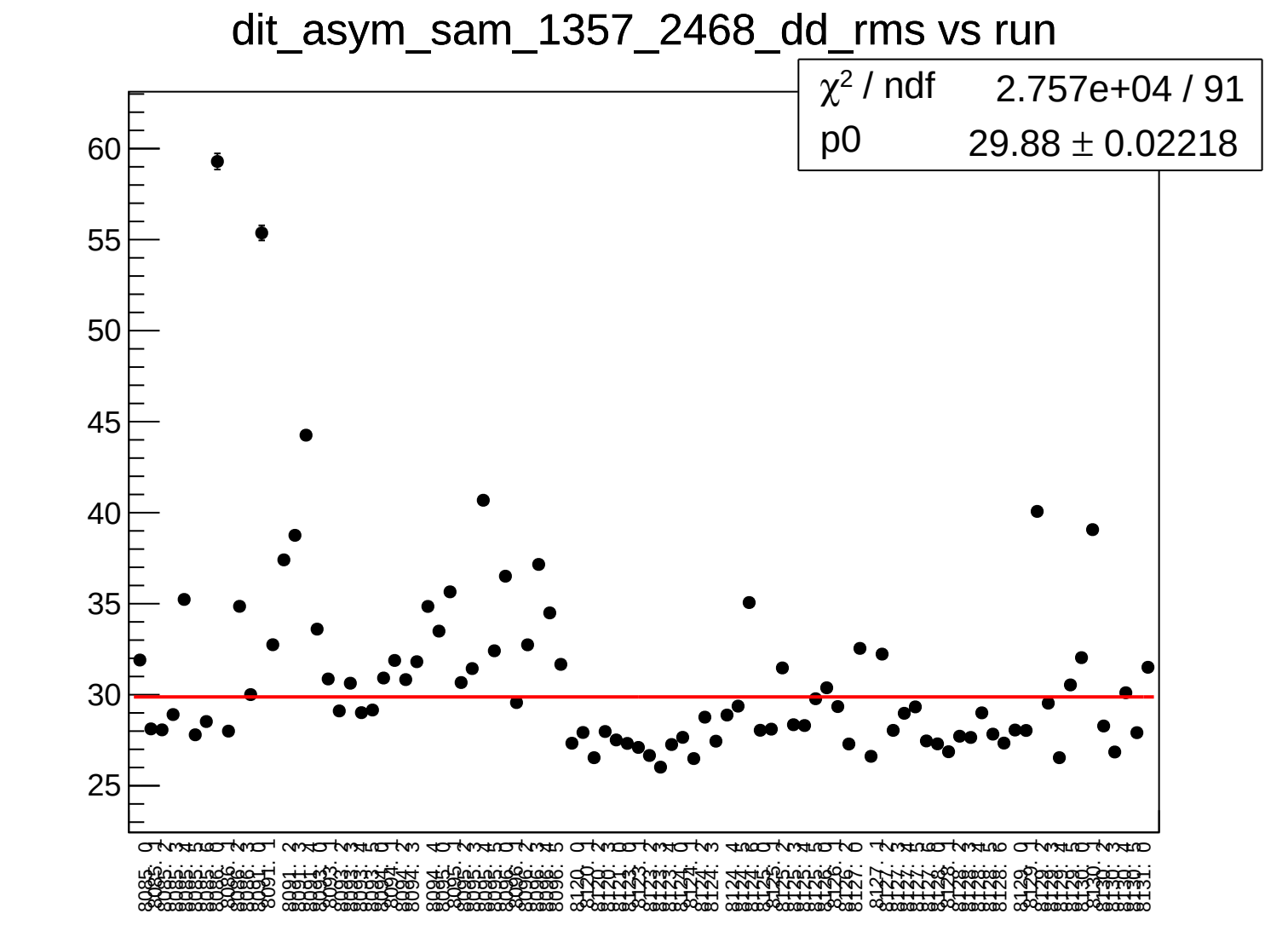

asym_sam_2468_avg_mean vs run
χ² / ndf 57.3 / 91
p0 2192 ± 1896
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −337.8
Std Dev 400.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

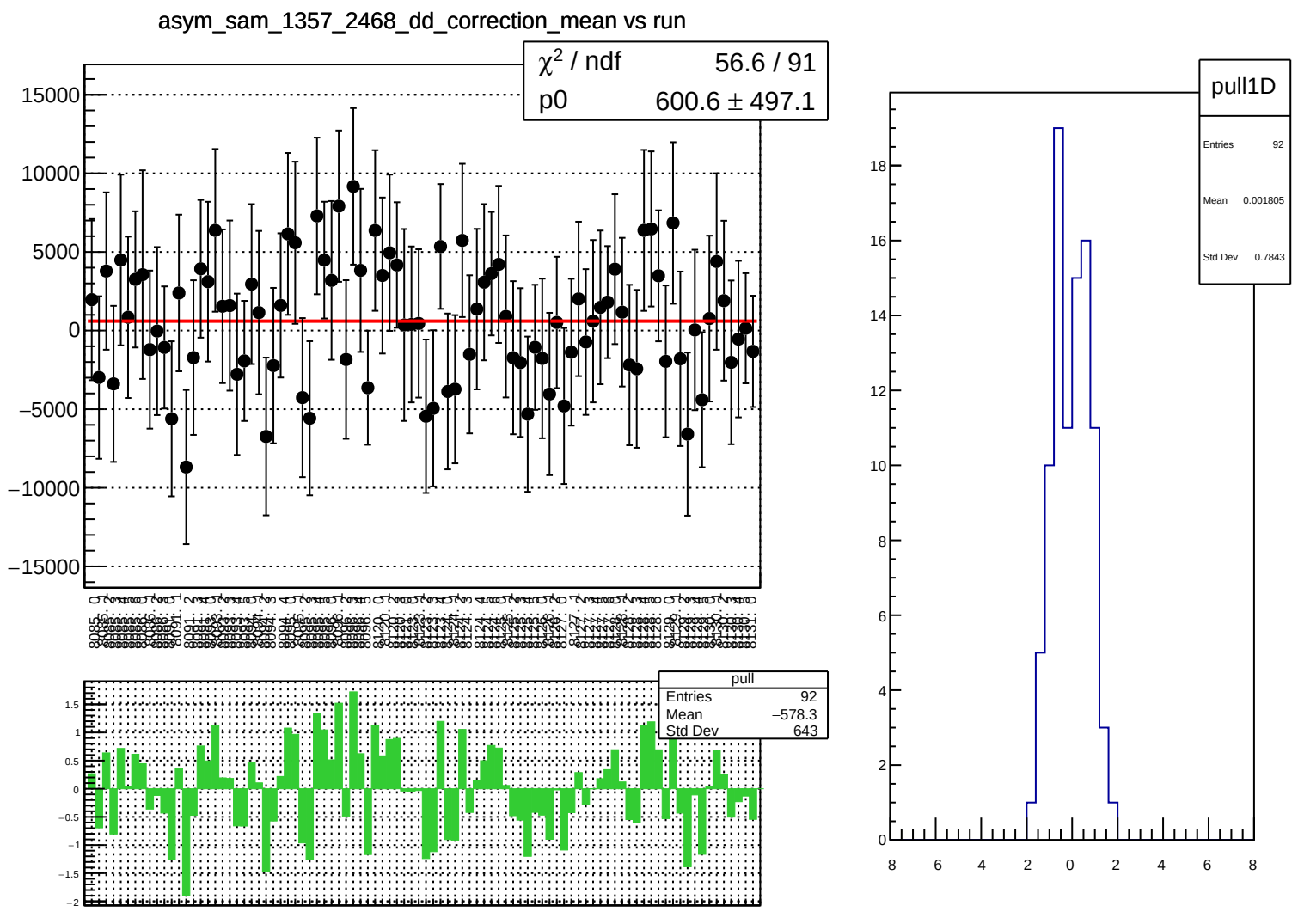

pull1D
Entries 92
Mean 0.003739
Std Dev 0.7892
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

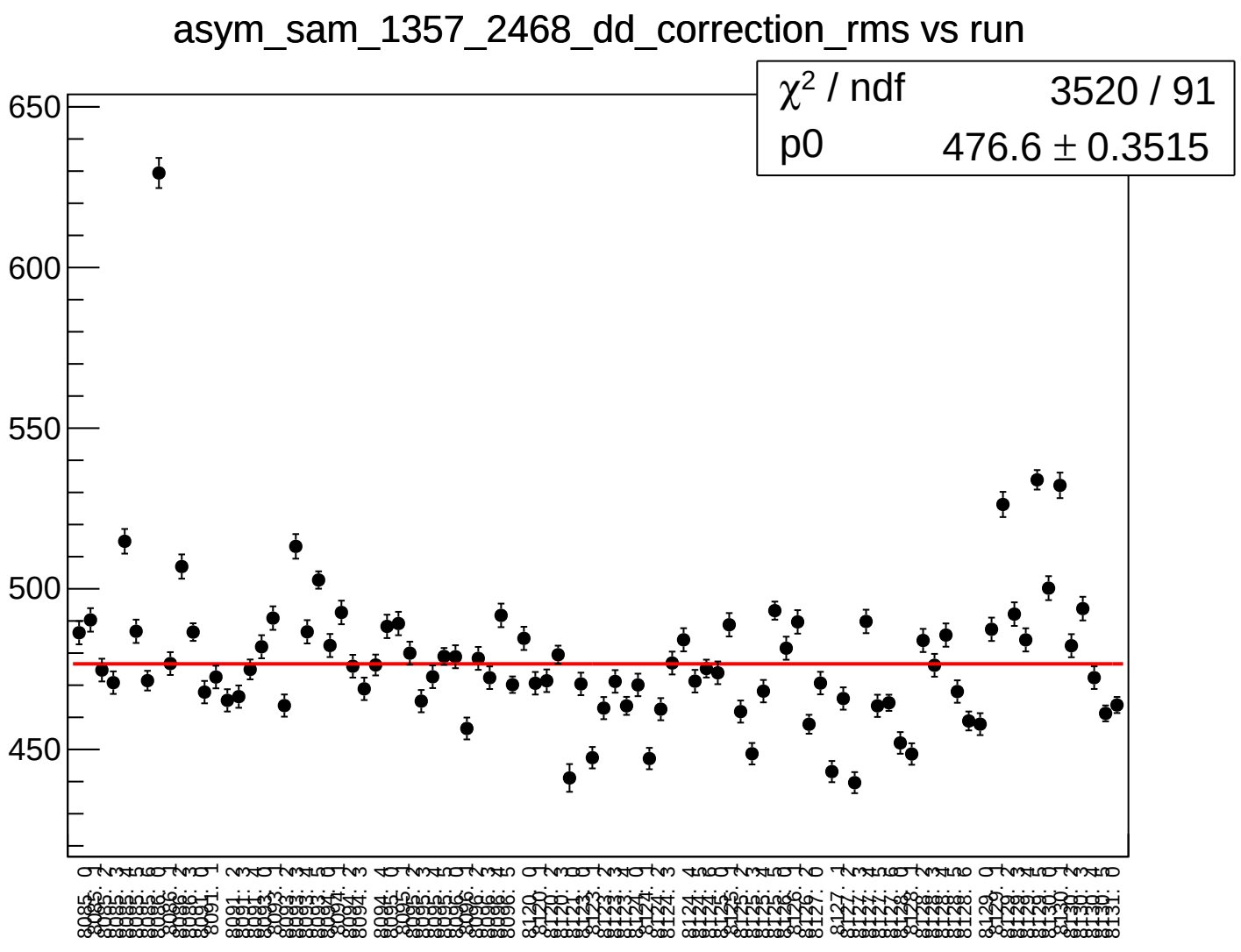

asym_sam_2468_avg_rms vs run
χ² / ndf 3874 / 91
p0 1818 ± 1.341
2600
2400
2200
2000
1800
1600

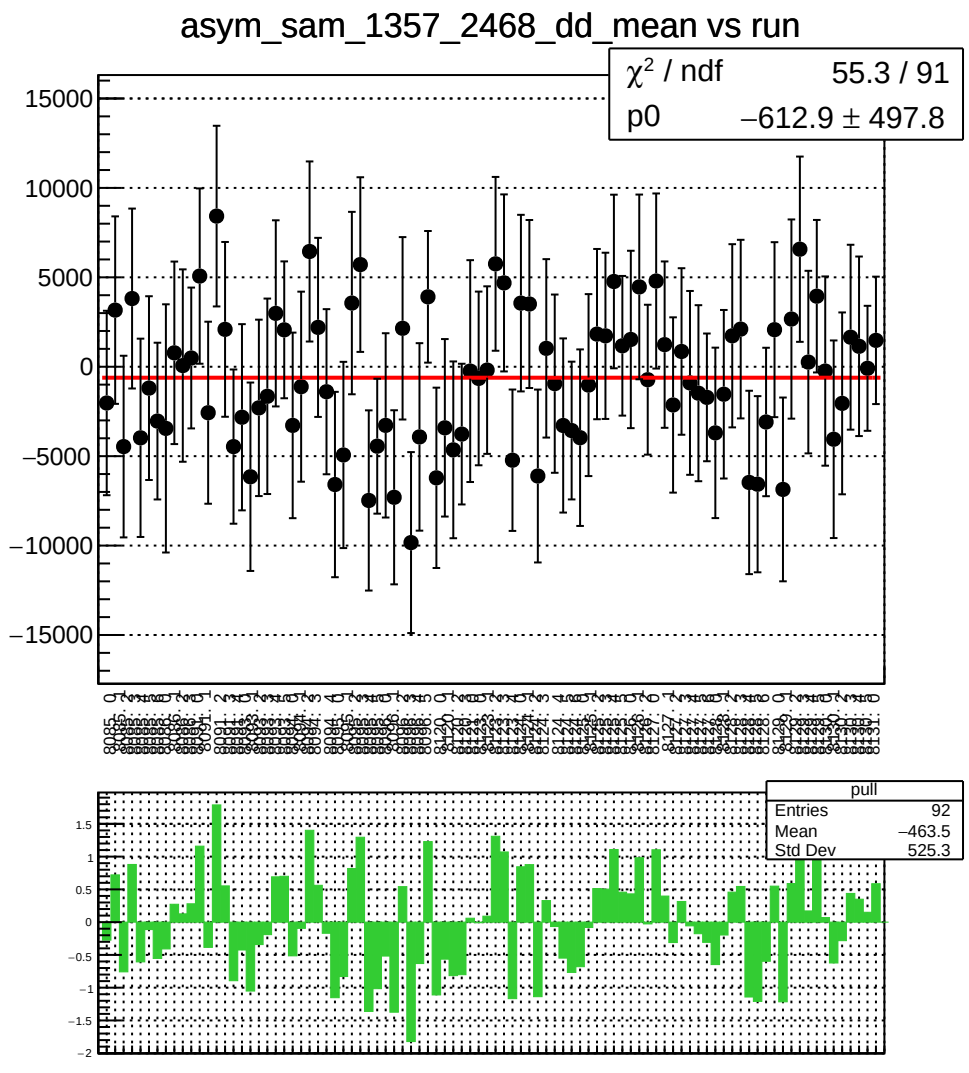

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 89.16 / 91
p0 −28.16 ± 31.36
1000
500
0
−500
−1000
pull
Entries 92
Mean −288.5
Std Dev 334.5
2
1
0
−1
−2
−3

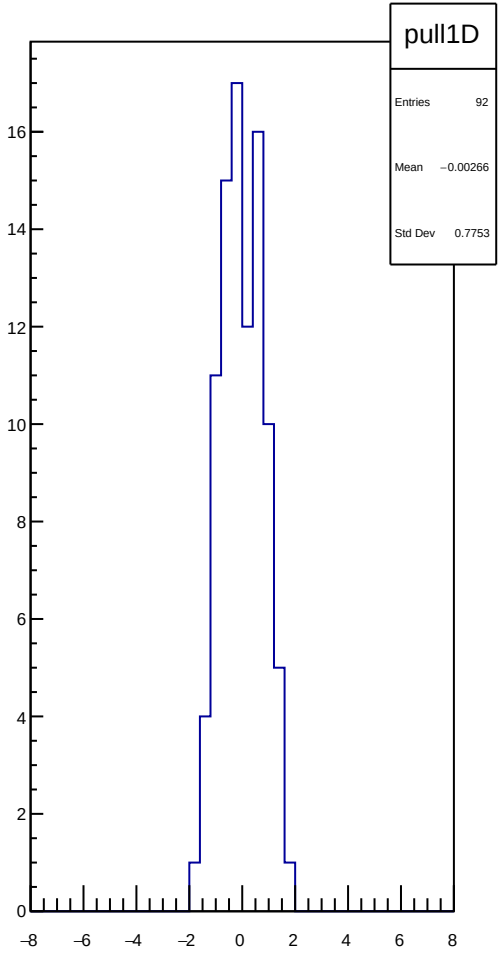

pull1D
Entries 92
Mean −0.0107
Std Dev 0.9844
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

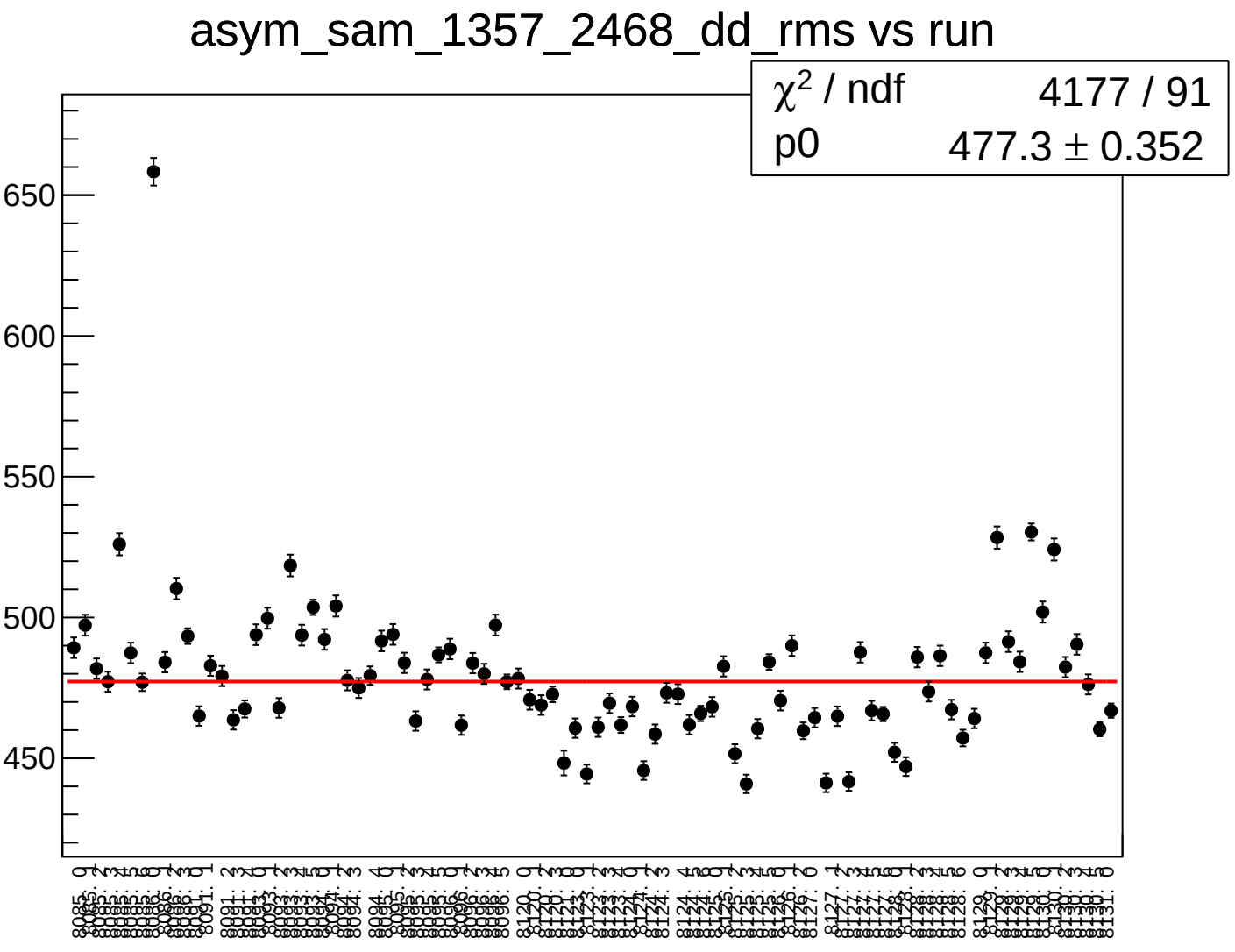

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 2.757e+04 / 91
p0 29.88 ± 0.02218
60
55
50
45
40
35
30
25

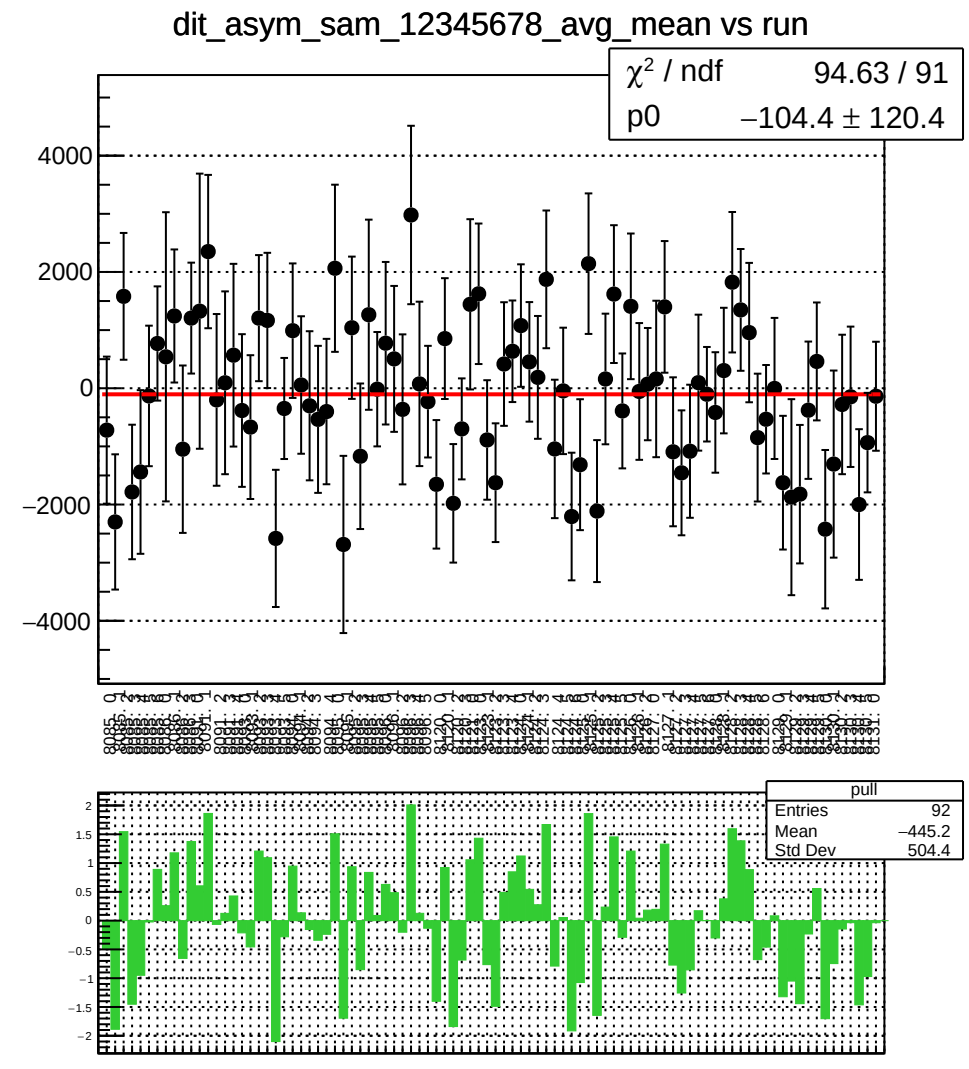

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 56.6 / 91
p0 600.6 ± 497.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −578.3
Std Dev 643
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.001805
Std Dev 0.7843
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

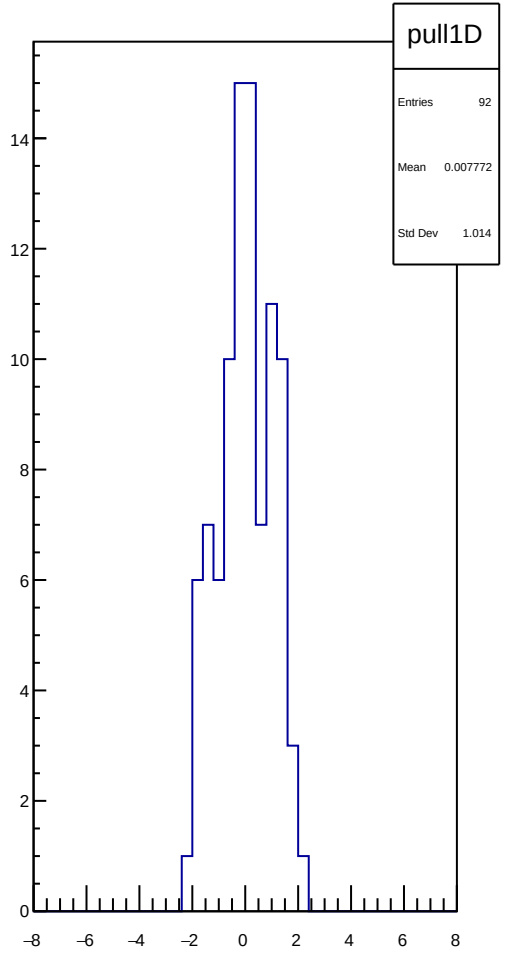

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3520 / 91
p0 476.6 ± 0.3515
650
600
550
500
450

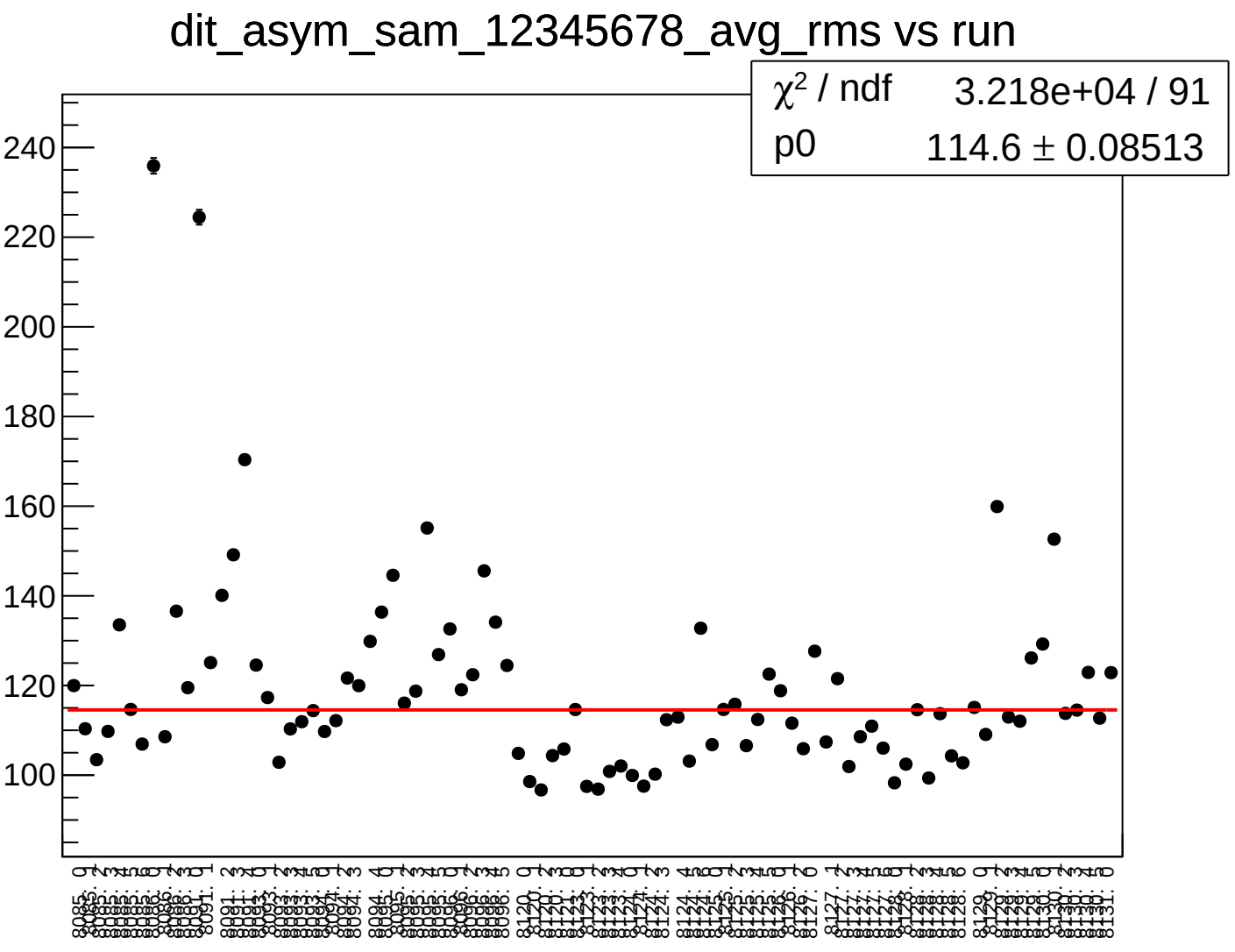

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 55.3 / 91
p0 −612.9 ± 497.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −463.5
Std Dev 525.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

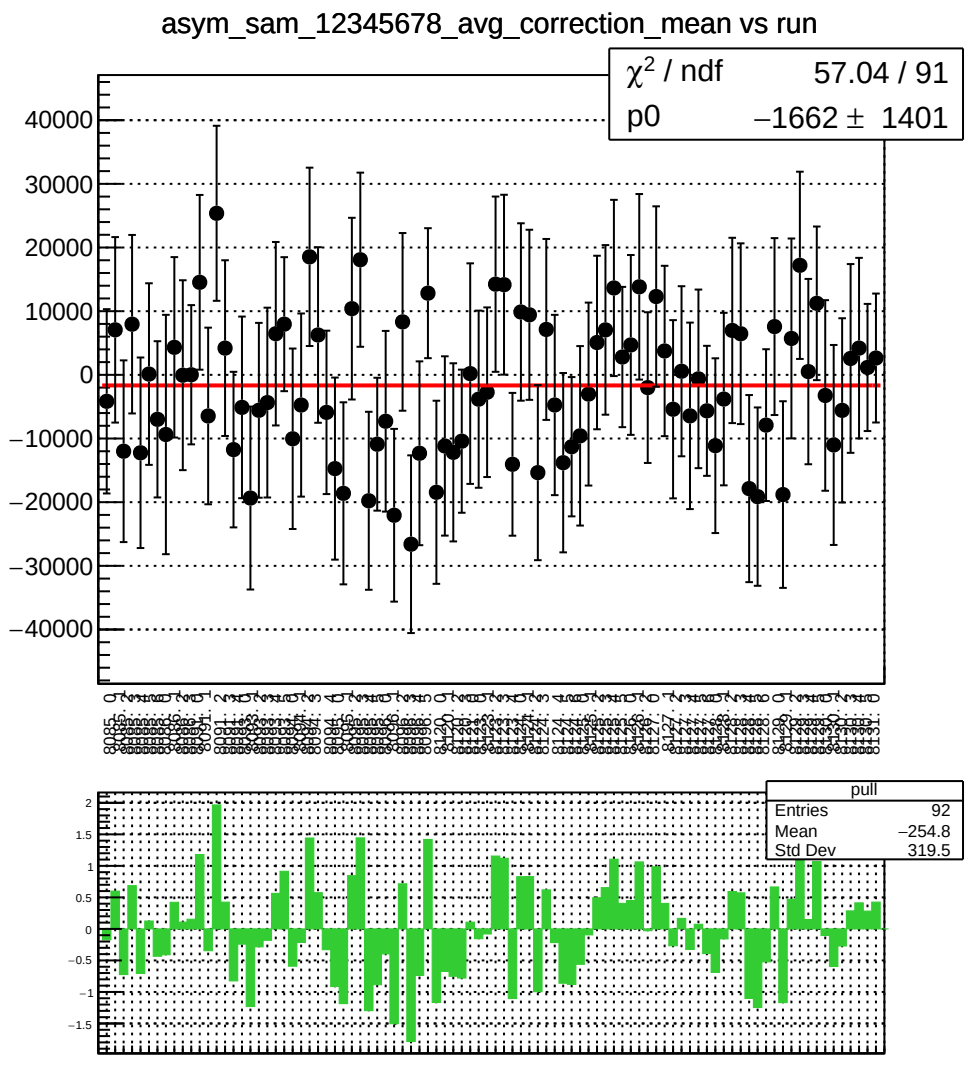

pull1D
Entries 92
Mean −0.00266
Std Dev 0.7753
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

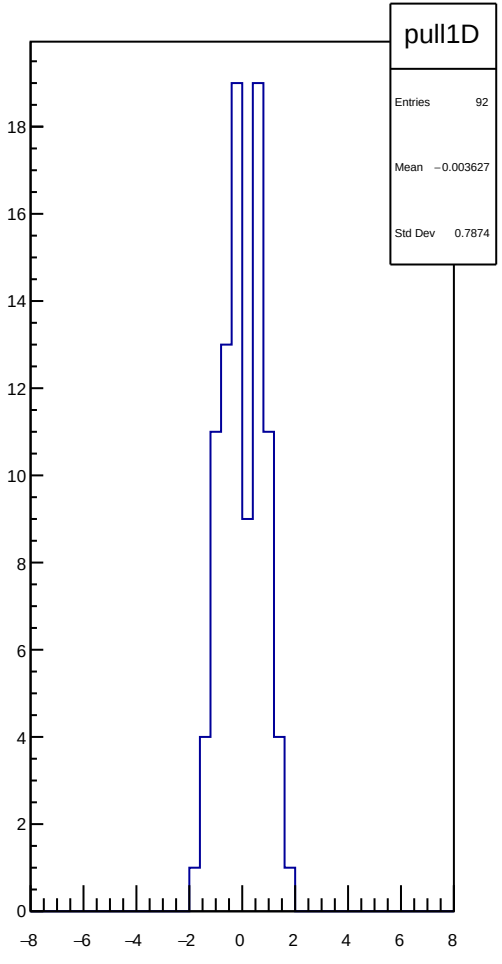

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4177 / 91
p0 477.3 ± 0.352
650
600
550
500
450

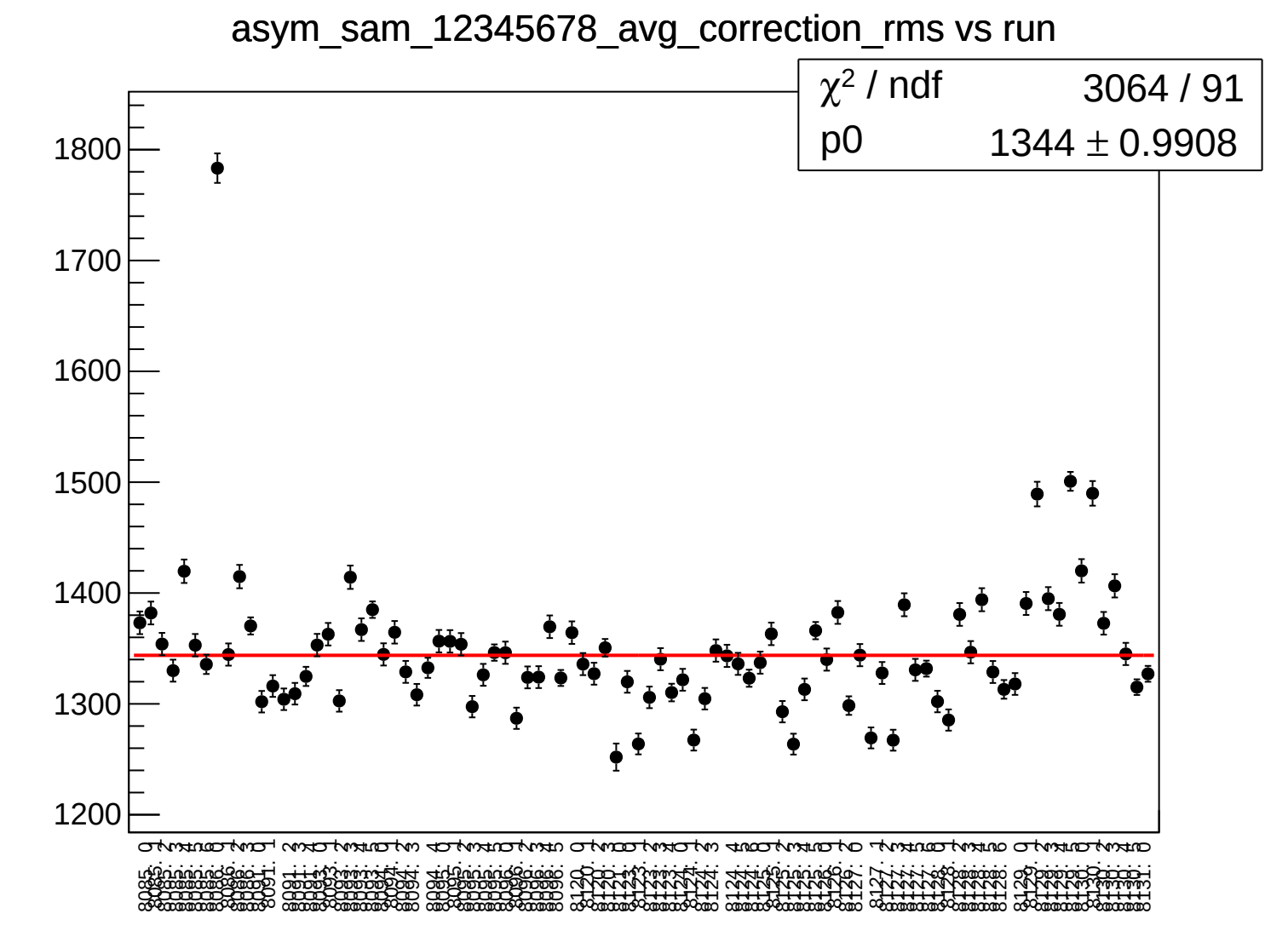

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 94.63 / 91
p0 −104.4 ± 120.4
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −445.2
Std Dev 504.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

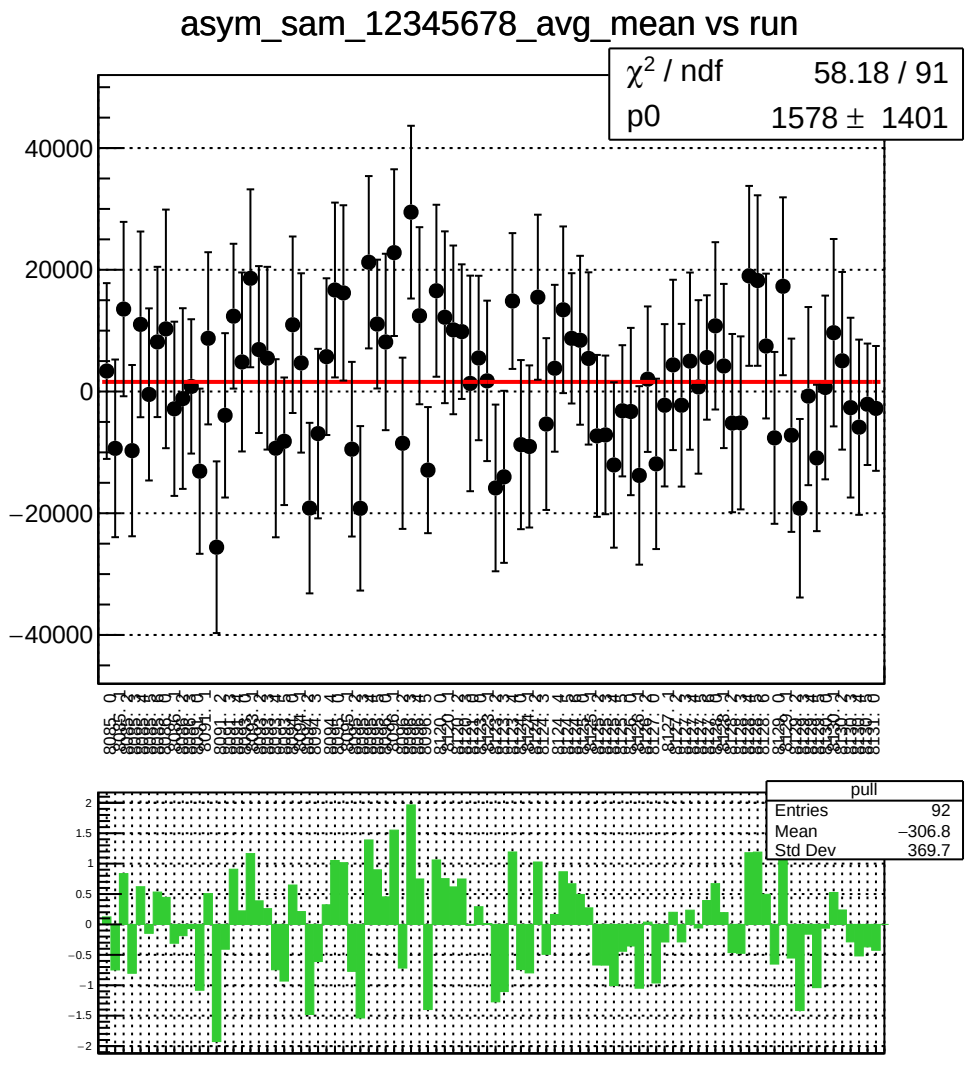

pull1D
Entries 92
Mean 0.007772
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

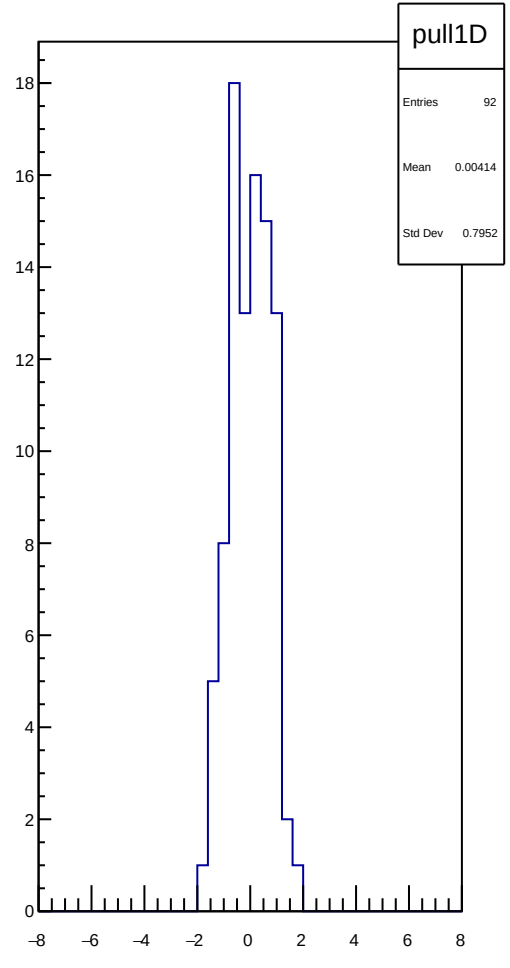

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.218e+04 / 91
p0 114.6 ± 0.08513
240
220
200
180
160
140
120
100

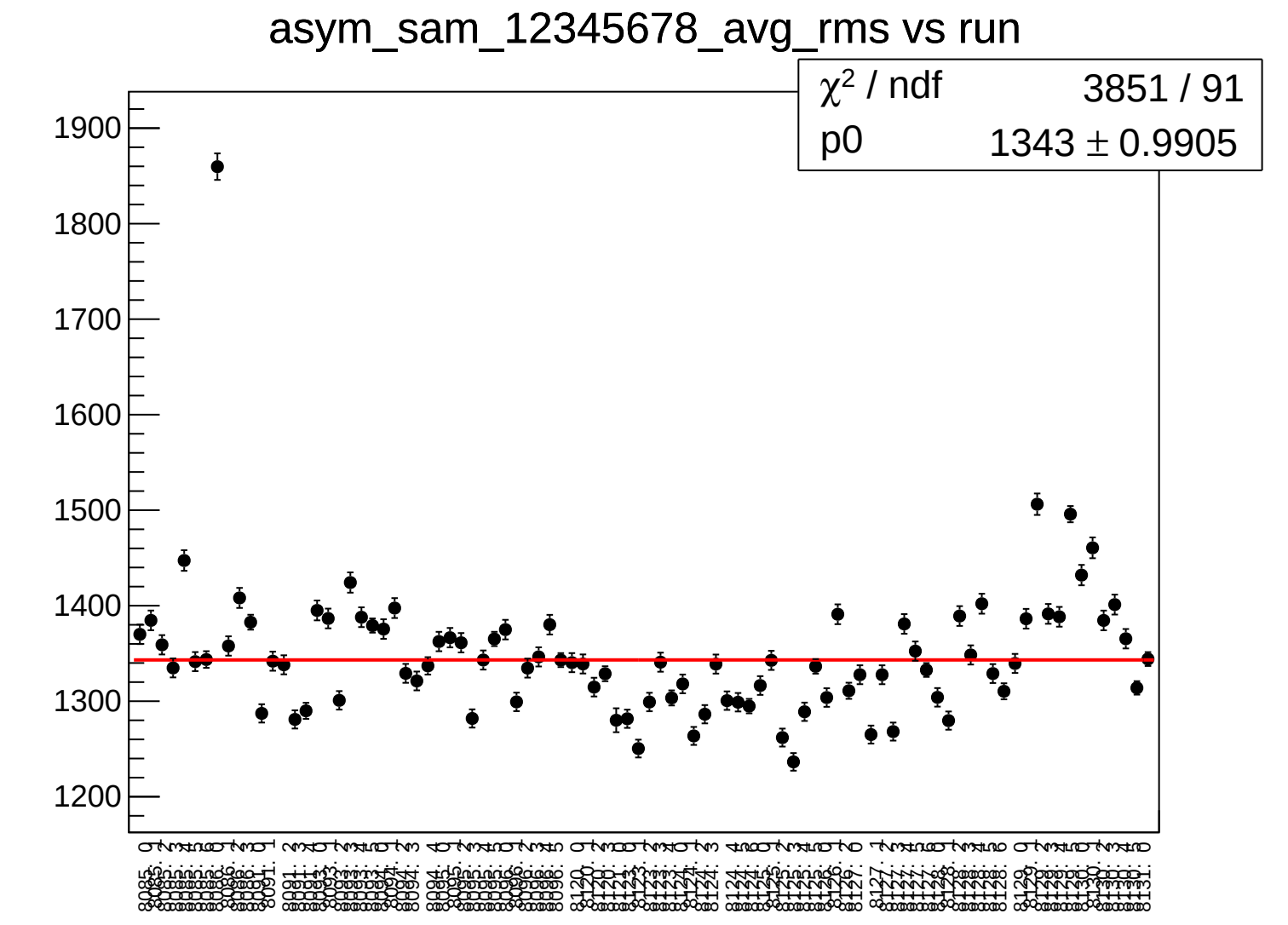

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 57.04 / 91
p0 −1662 ± 1401
pull
Entries 92
Mean −254.8
Std Dev 319.5

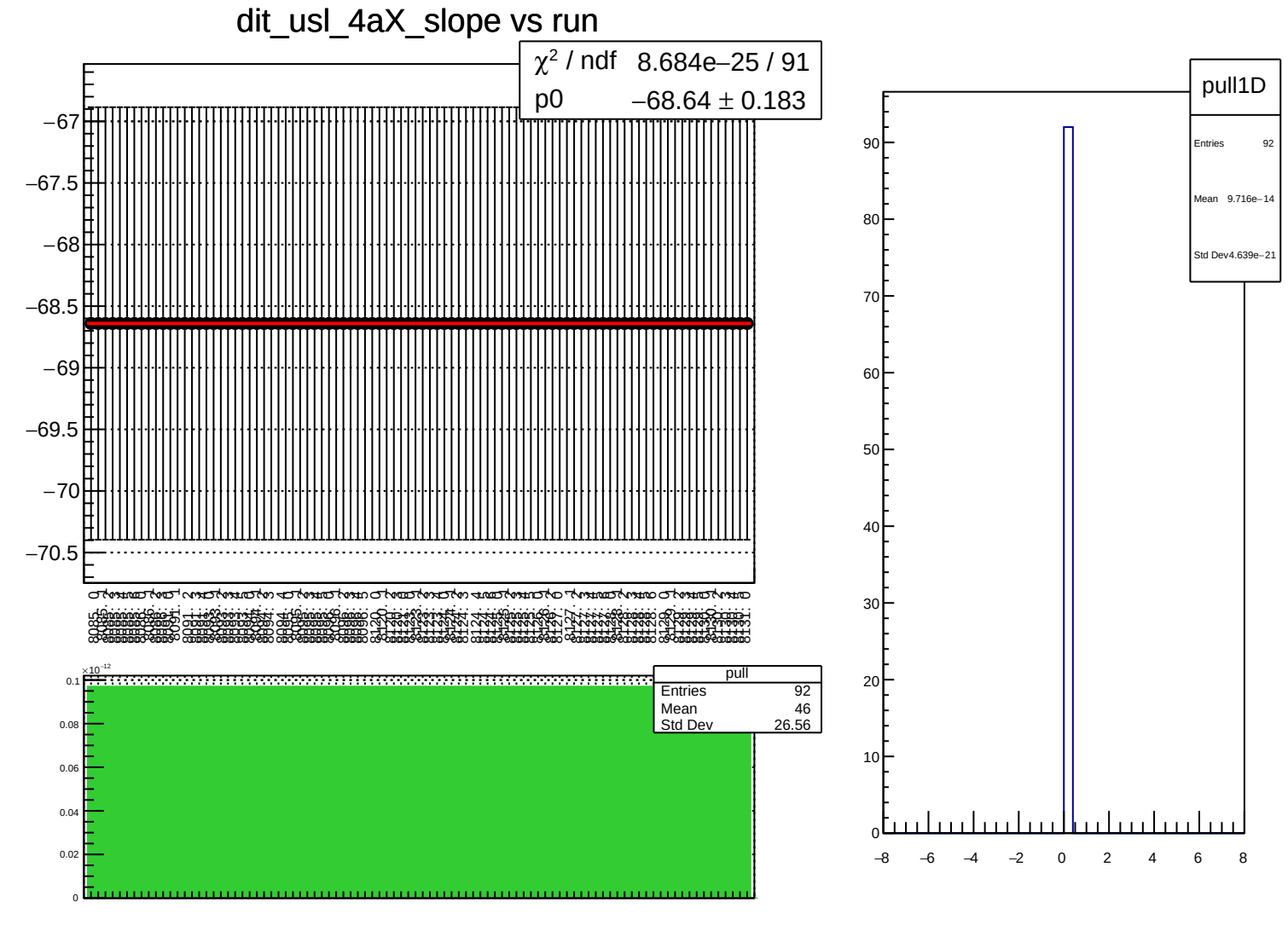

pull1D
Entries 92
Mean −0.003627
Std Dev 0.7874

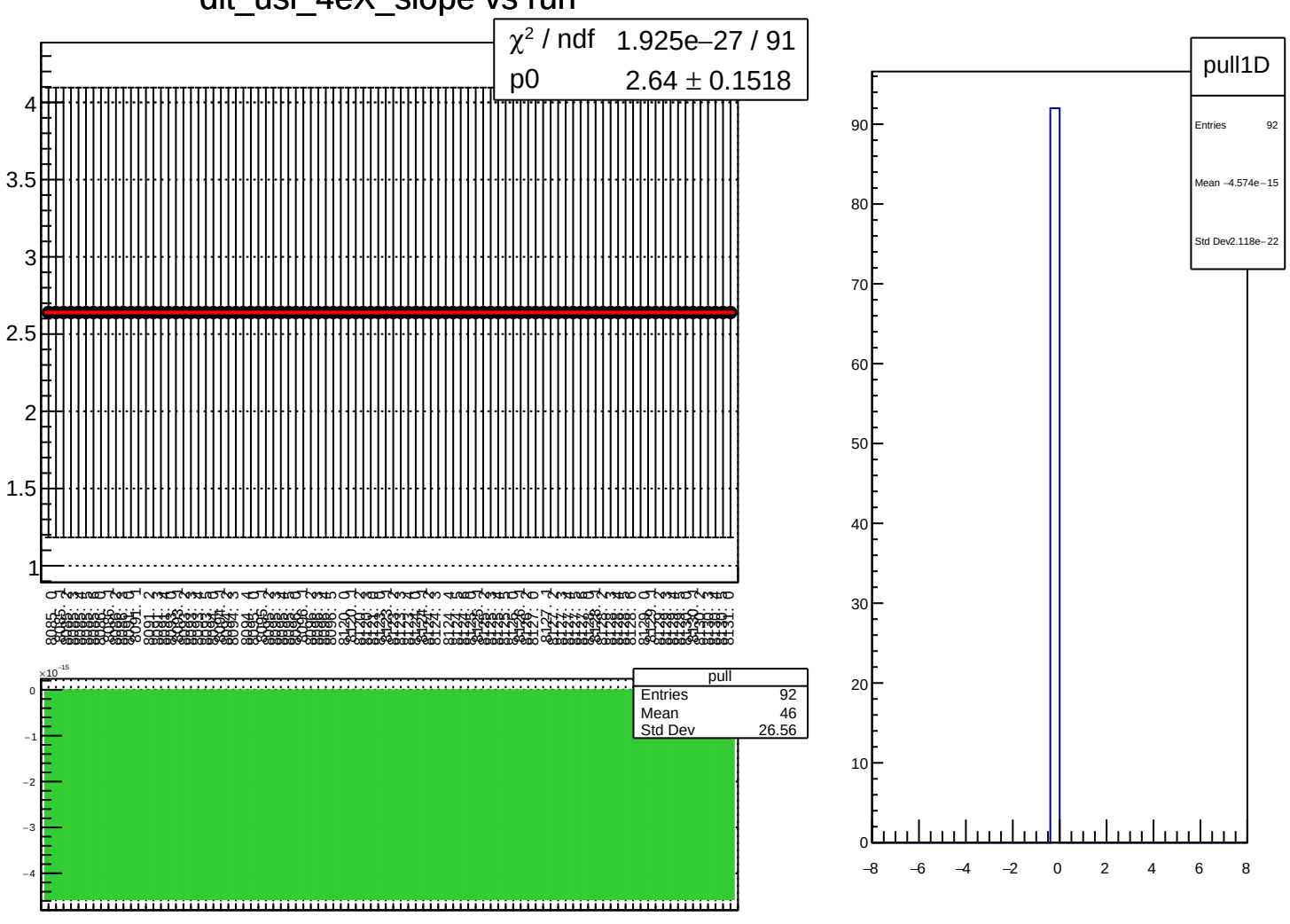

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 3064 / 91
p0 1344 ± 0.9908
1800
1700
1600
1500
1400
1300
1200

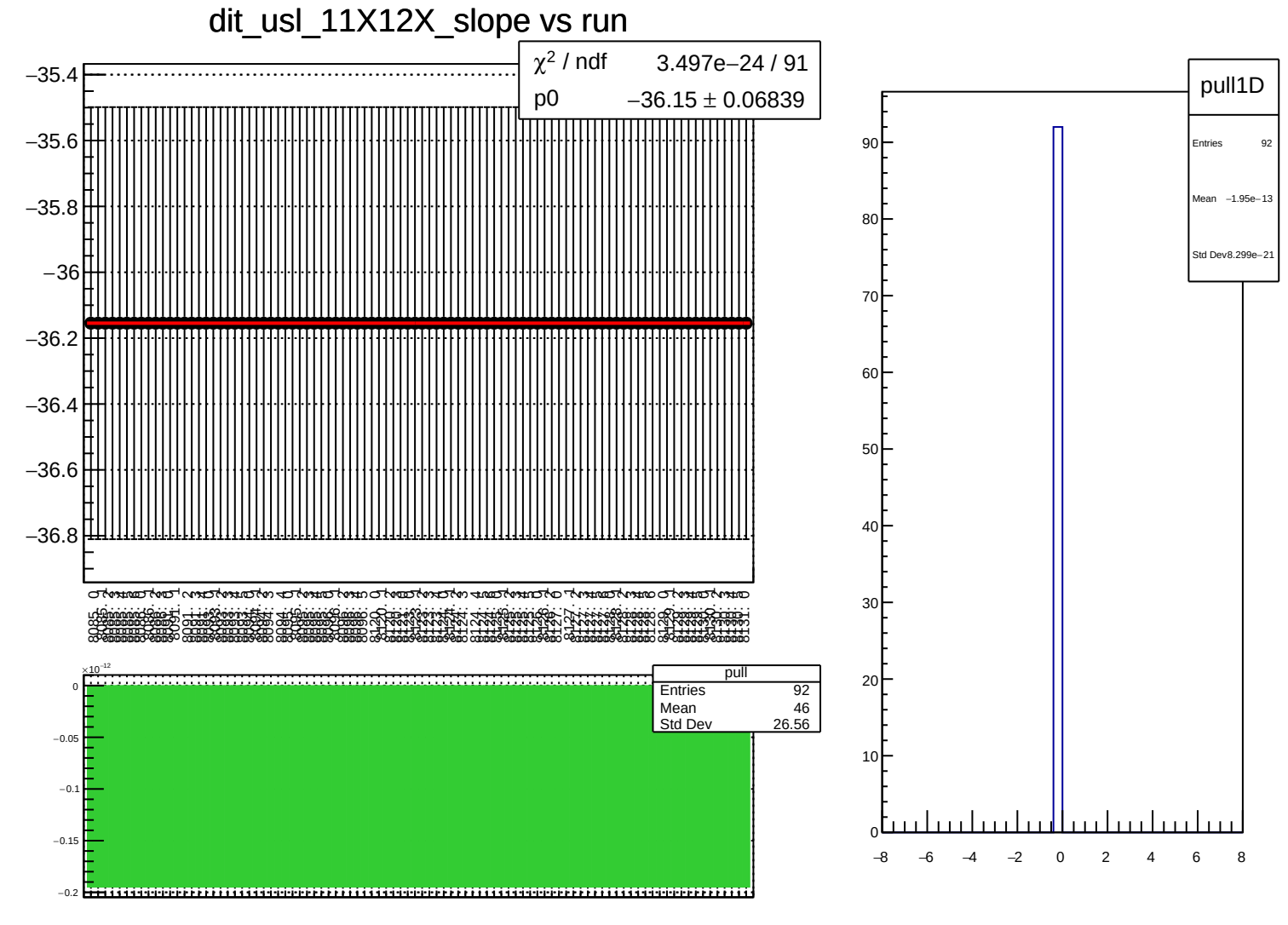

asym_sam_12345678_avg_mean vs run
χ² / ndf 58.18 / 91
p0 1578 ± 1401
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −306.8
Std Dev 369.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

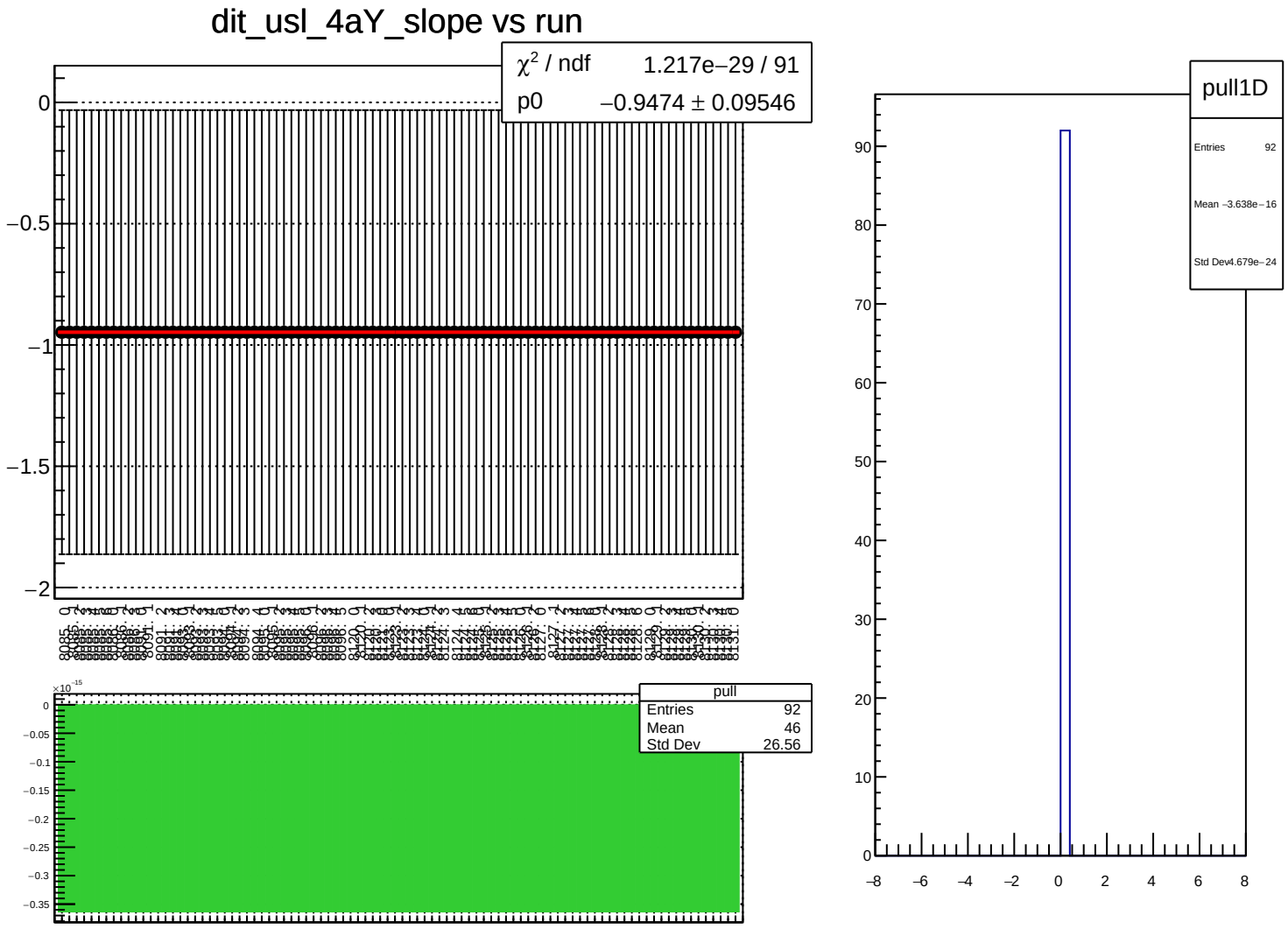

pull1D
Entries 92
Mean 0.00414
Std Dev 0.7952
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

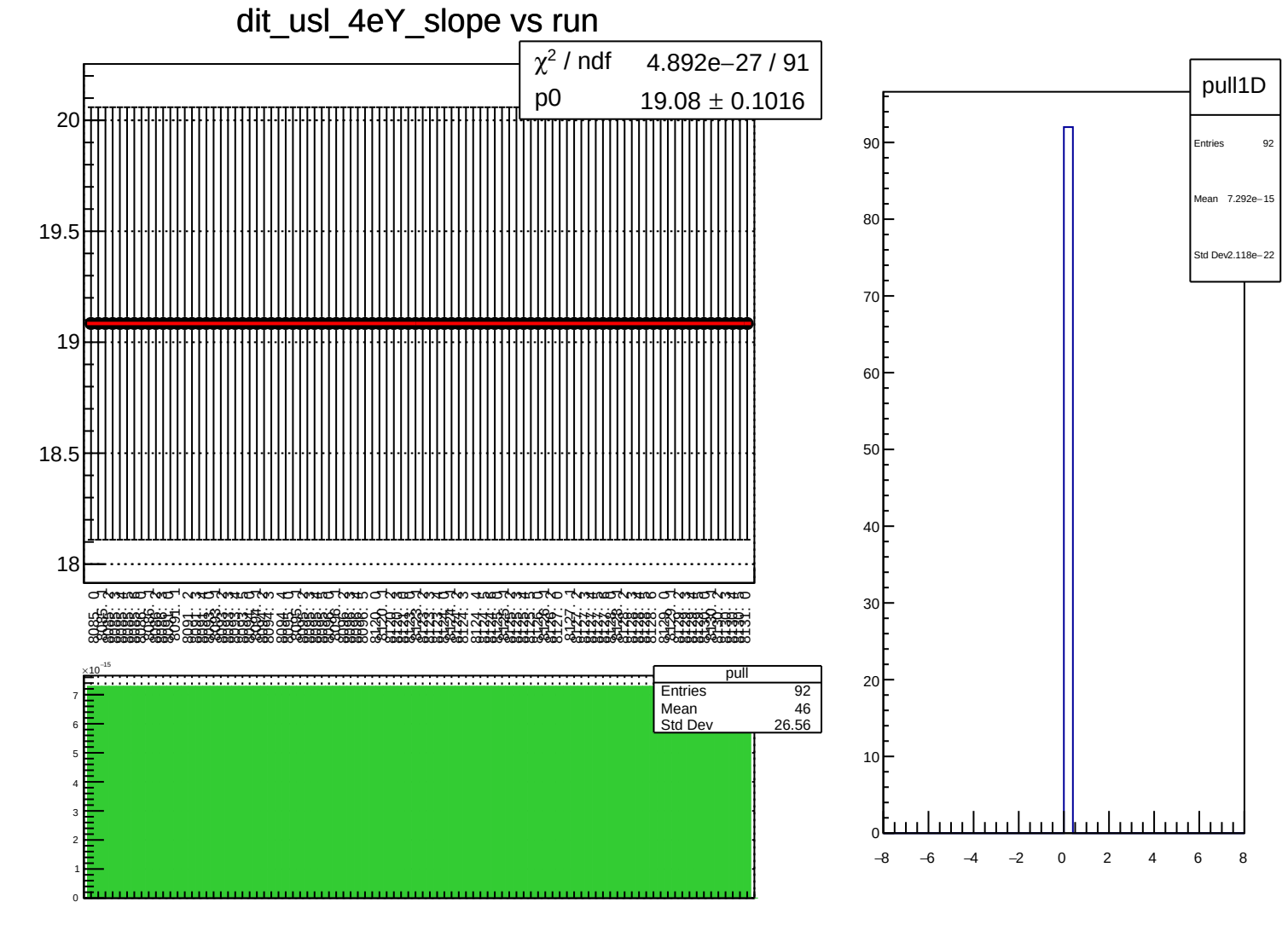

asym_sam_12345678_avg_rms vs run
χ² / ndf 3851 / 91
p0 1343 ± 0.9905
1900
1800
1700
1600
1500
1400
1300
1200

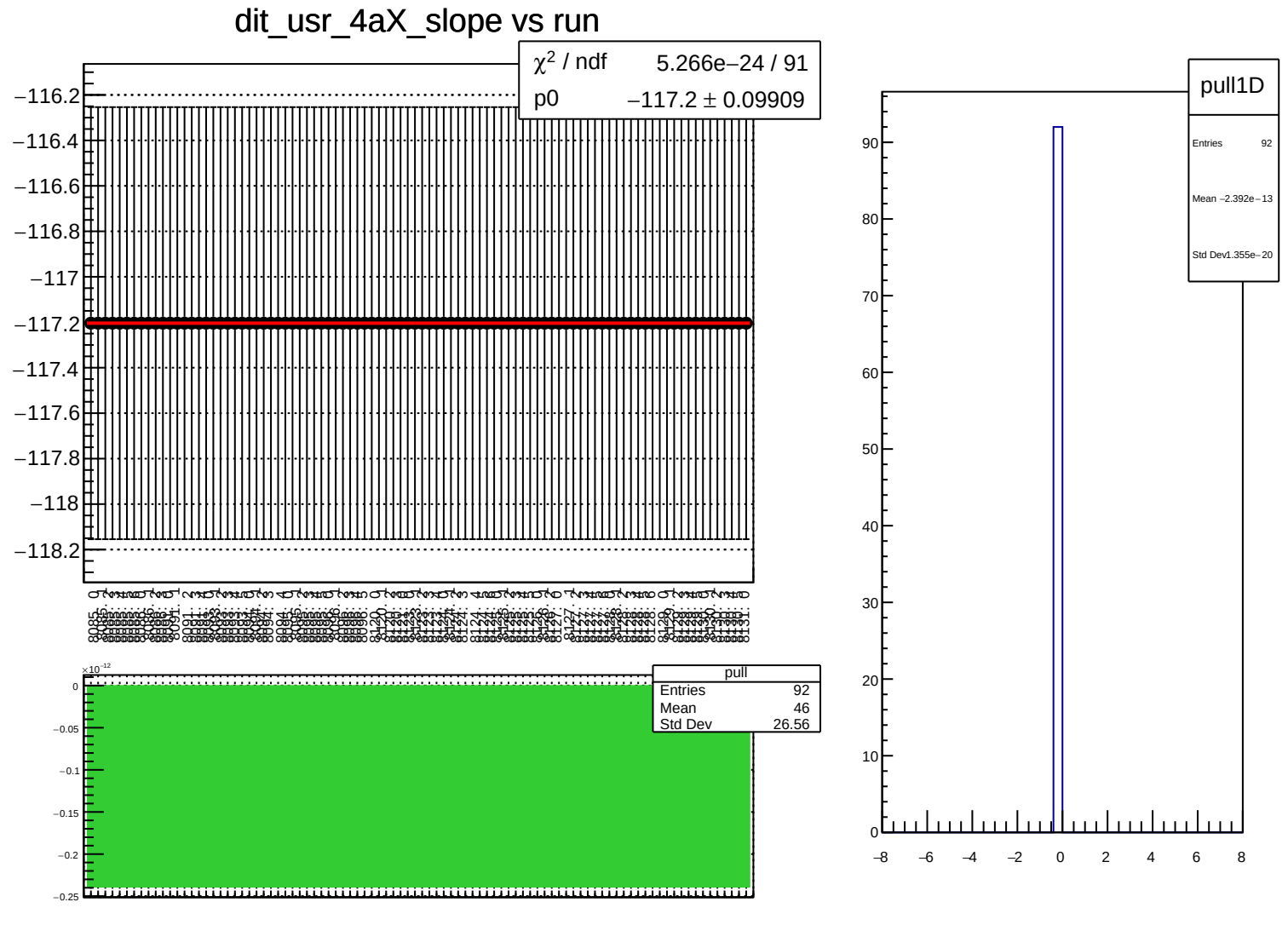

dit_usl_4aX_slope vs run
χ² / ndf 8.684e−25 / 91
p0 −68.64 ± 0.183
−67
−67.5
−68
−68.5
−69
−69.5
−70
−70.5
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 9.716e−14
Std Dev 4.639e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

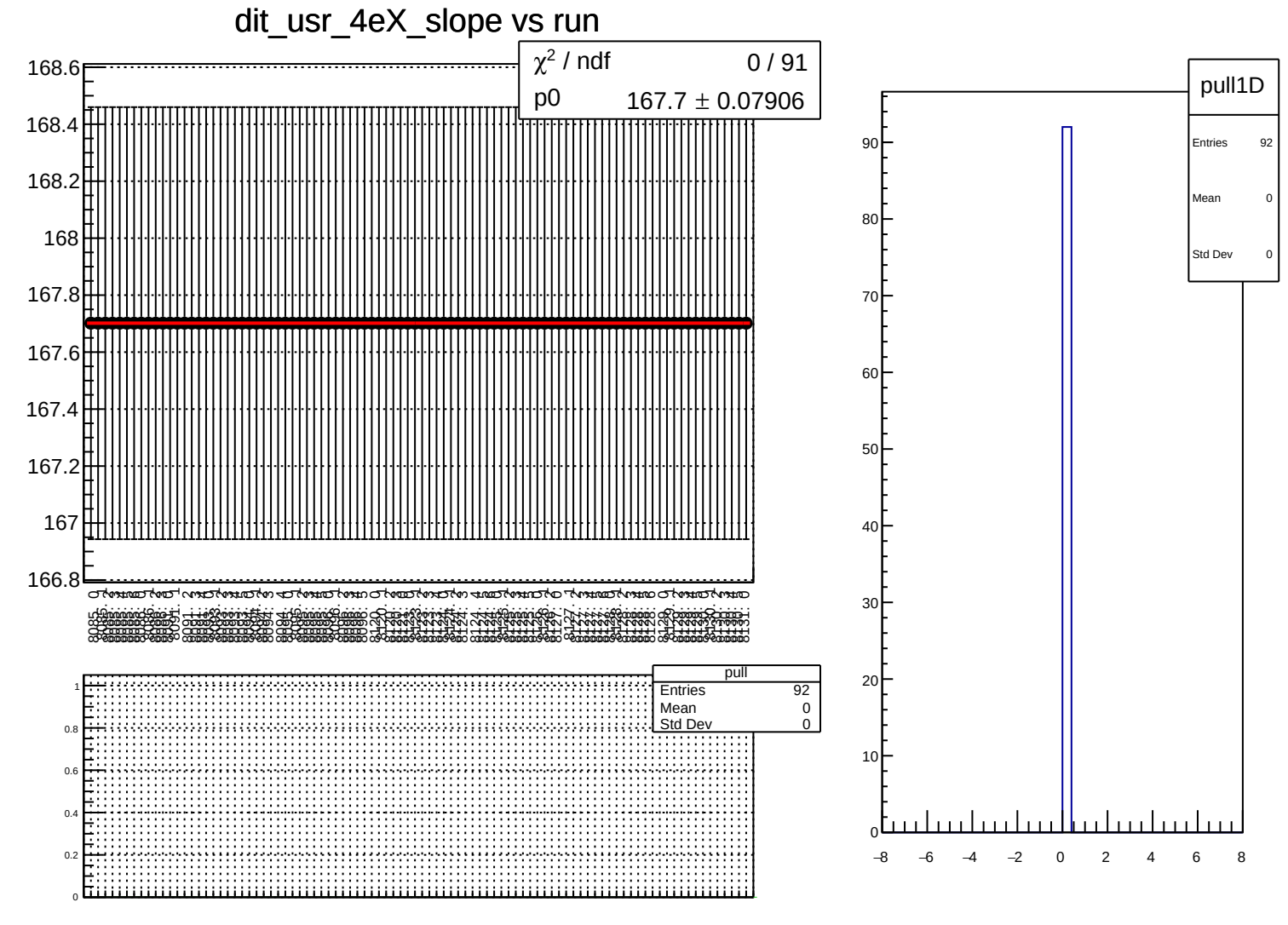

dit_usl_4eX_slope vs run
χ² / ndf 1.925e−27 / 91
p0 2.64 ± 0.1518
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean −4.574e−15
Std Dev2.118e−22

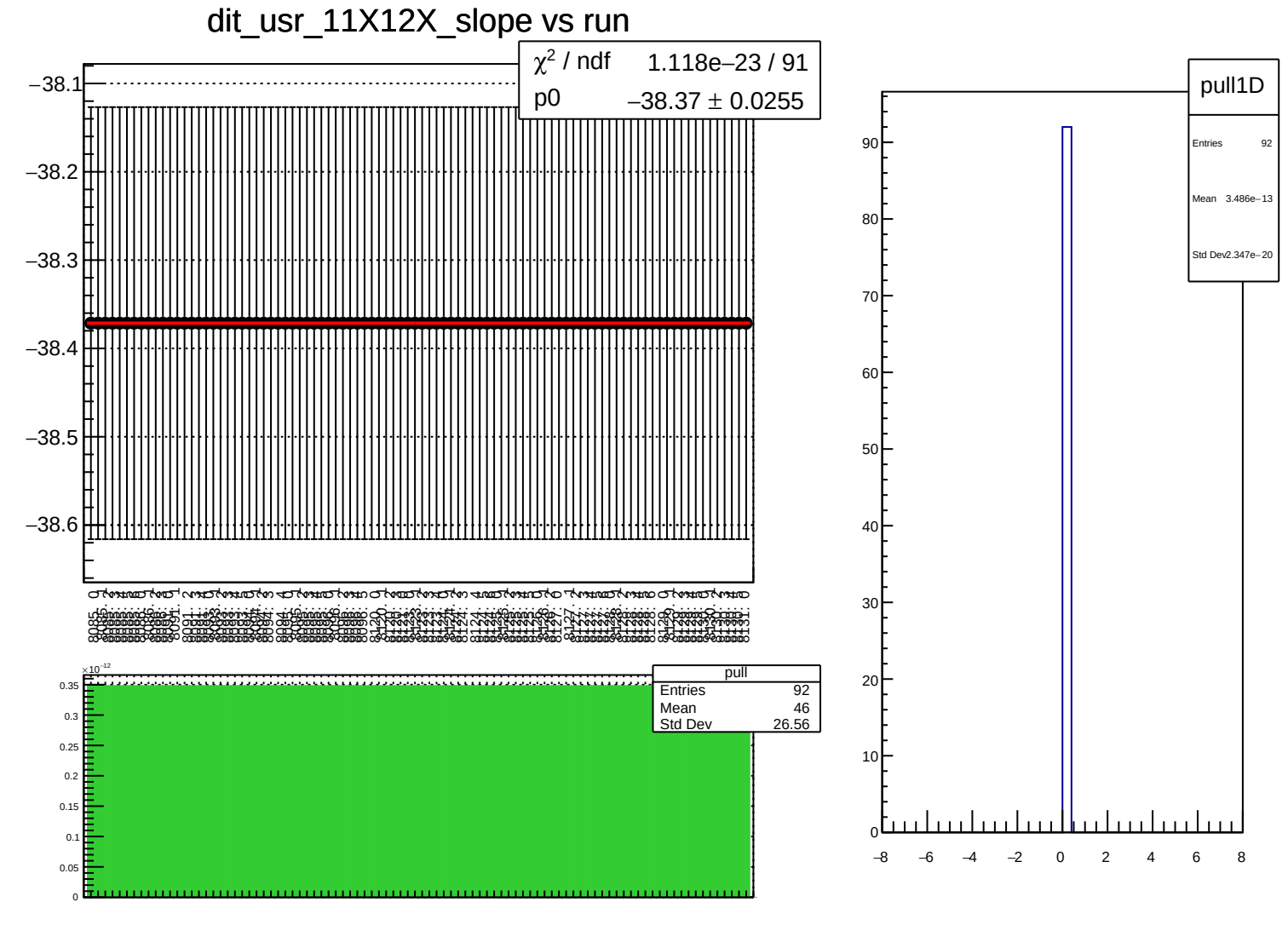

dit_usl_11X12X_slope vs run
χ² / ndf 3.497e−24 / 91
p0 −36.15 ± 0.06839
−35.4
−35.6
−35.8
−36
−36.2
−36.4
−36.6
−36.8
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 92
Mean −1.95e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

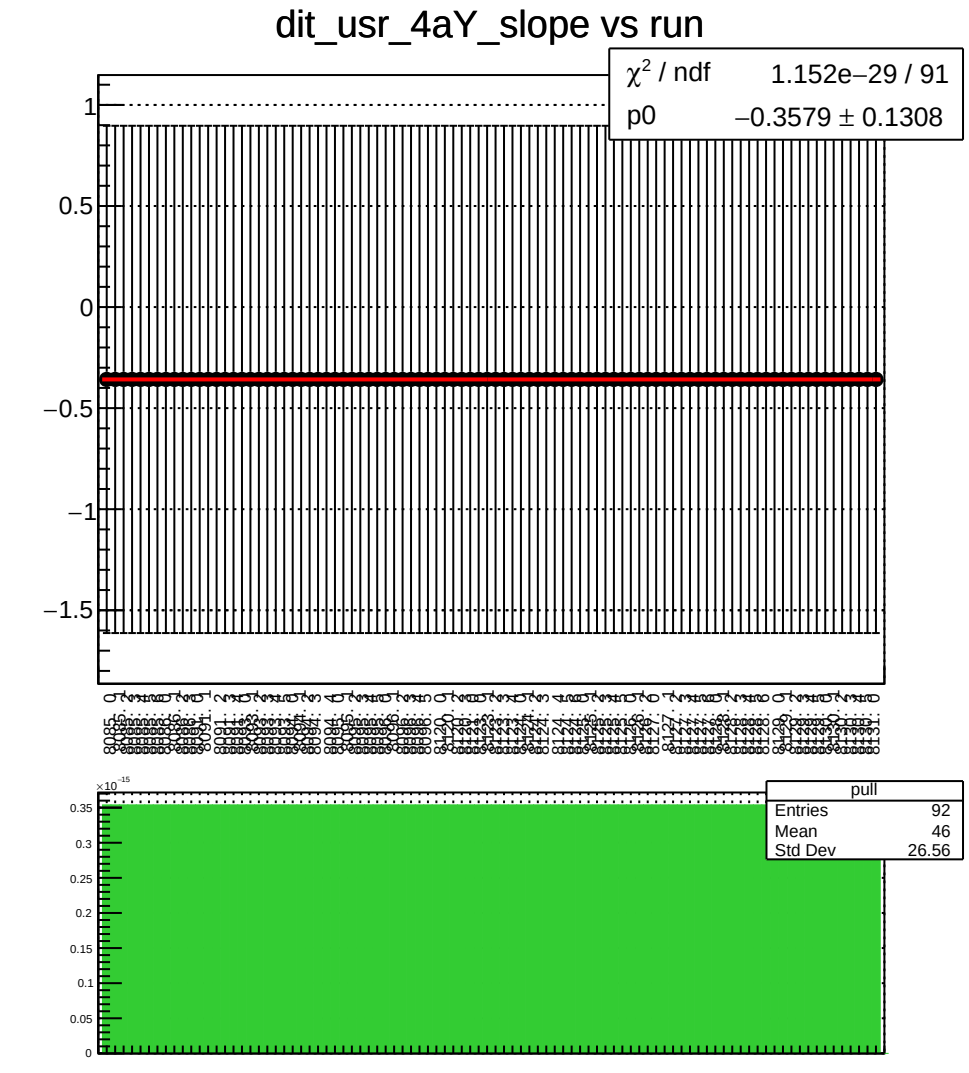

dit_usl_4aY_slope vs run
χ² / ndf 1.217e−29 / 91
p0 −0.9474 ± 0.09546
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean −3.638e−16
Std Dev4.679e−24

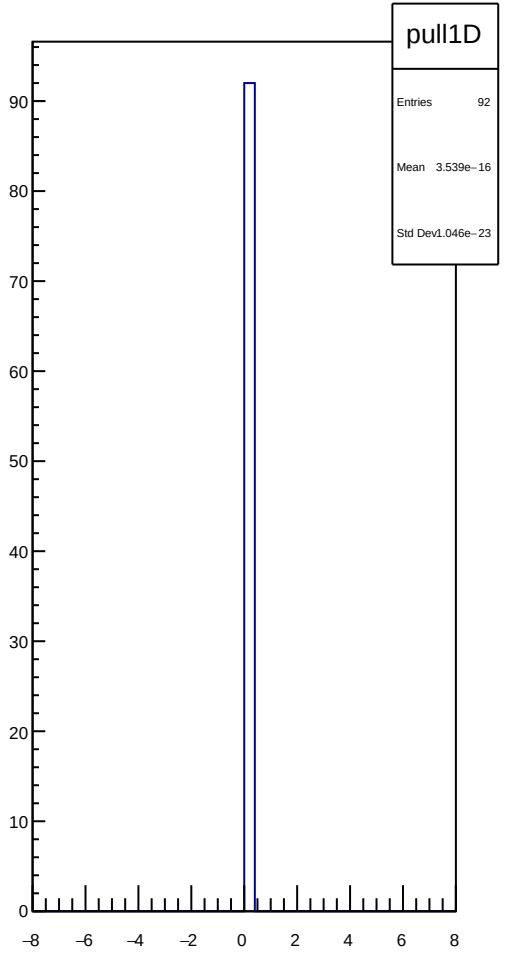

dit_usl_4eY_slope vs run
χ² / ndf 4.892e−27 / 91
p0 19.08 ± 0.1016
20
19.5
19
18.5
18
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 7.292e−15
Std Dev2.118e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

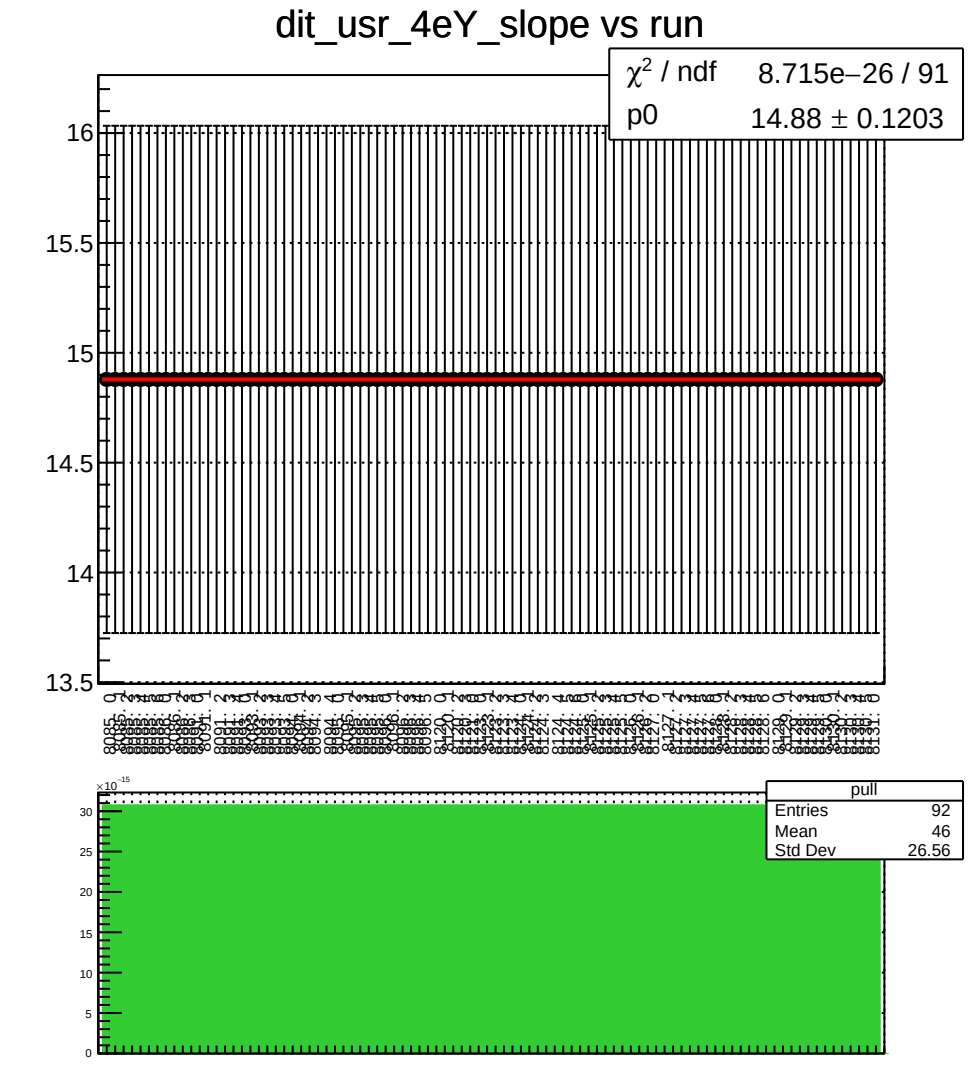

dit_usr_4aX_slope vs run
χ² / ndf 5.266e−24 / 91
p0 −117.2 ± 0.09909
−116.2
−116.4
−116.6
−116.8
−117
−117.2
−117.4
−117.6
−117.8
−118
−118.2
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 92
Mean −2.392e−13
Std Dev1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

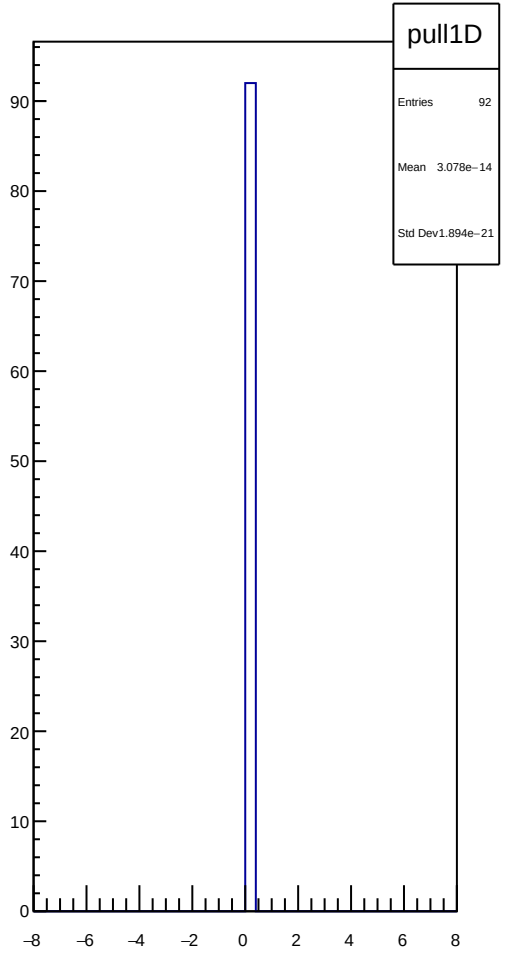

dit_usr_4eX_slope vs run
χ^2 / ndf 0 / 91
p0 167.7 ± 0.07906
168.6
168.4
168.2
168
167.8
167.6
167.4
167.2
167
166.8
pull
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 92
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

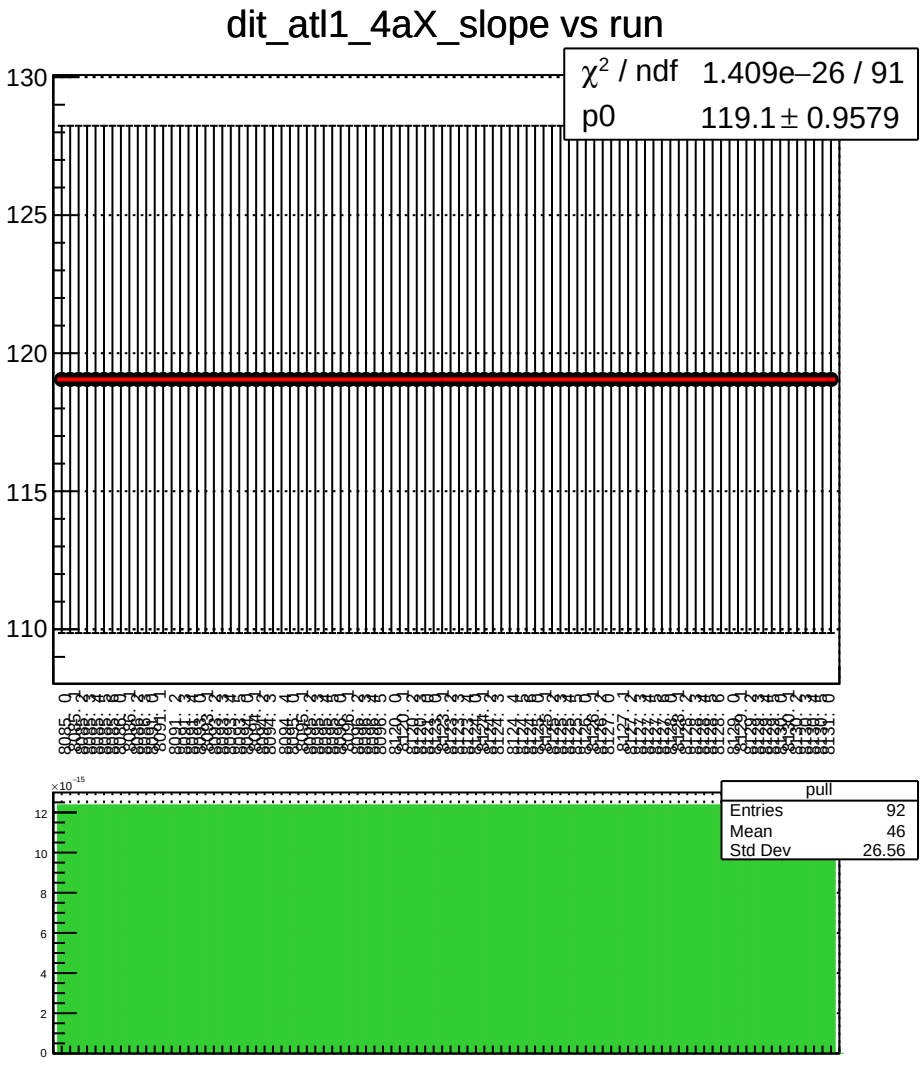

dit_usr_11X12X_slope vs run
χ² / ndf 1.118e−23 / 91
p0 −38.37 ± 0.0255
−38.1
−38.2
−38.3
−38.4
−38.5
−38.6
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 92
Mean 3.486e−13
Std Dev 2.347e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

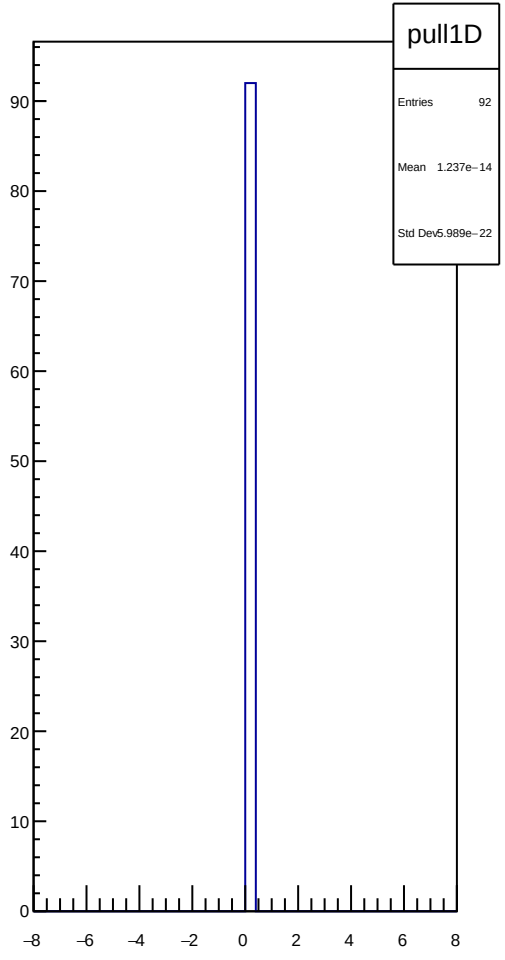

dit_usr_4aY_slope vs run
χ² / ndf 1.152e−29 / 91
p0 −0.3579 ± 0.1308
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵

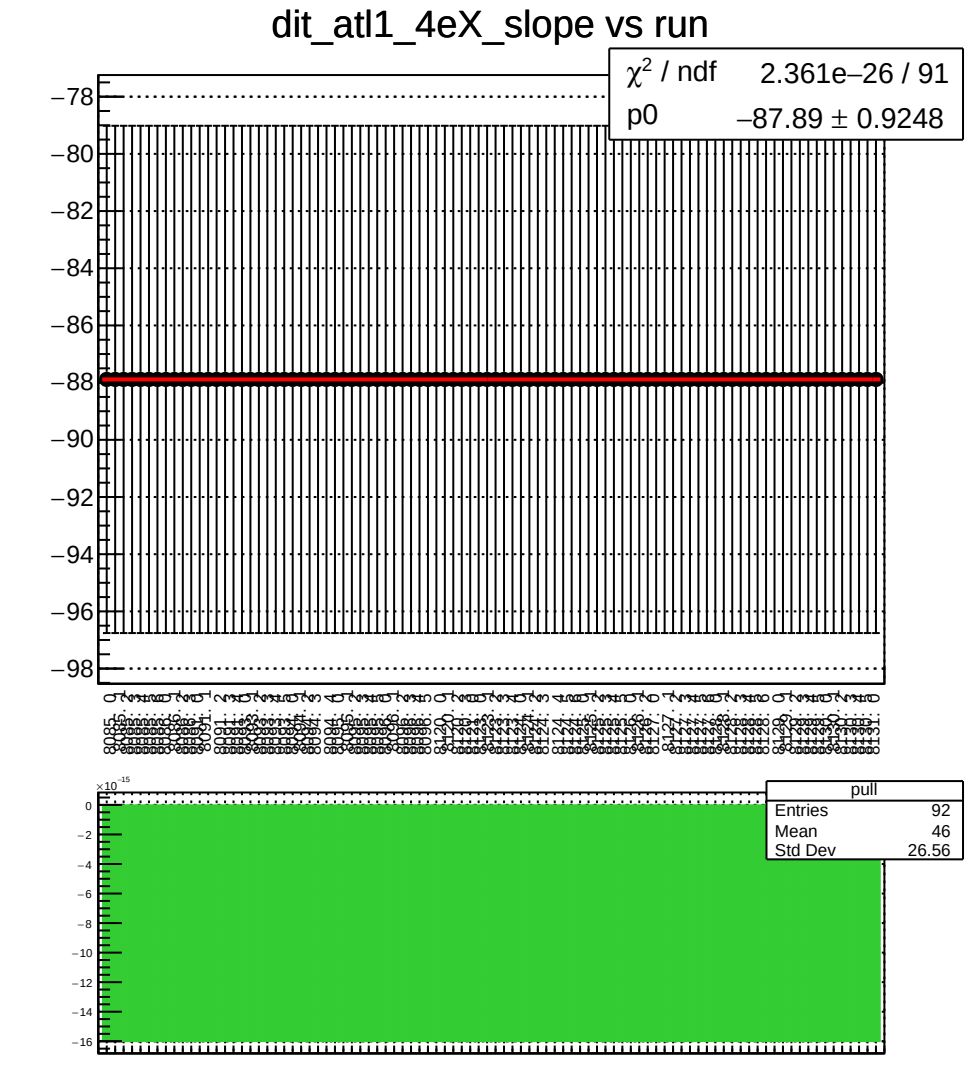

pull1D
Entries 92
Mean 3.539e−16
Std Dev1.046e−23

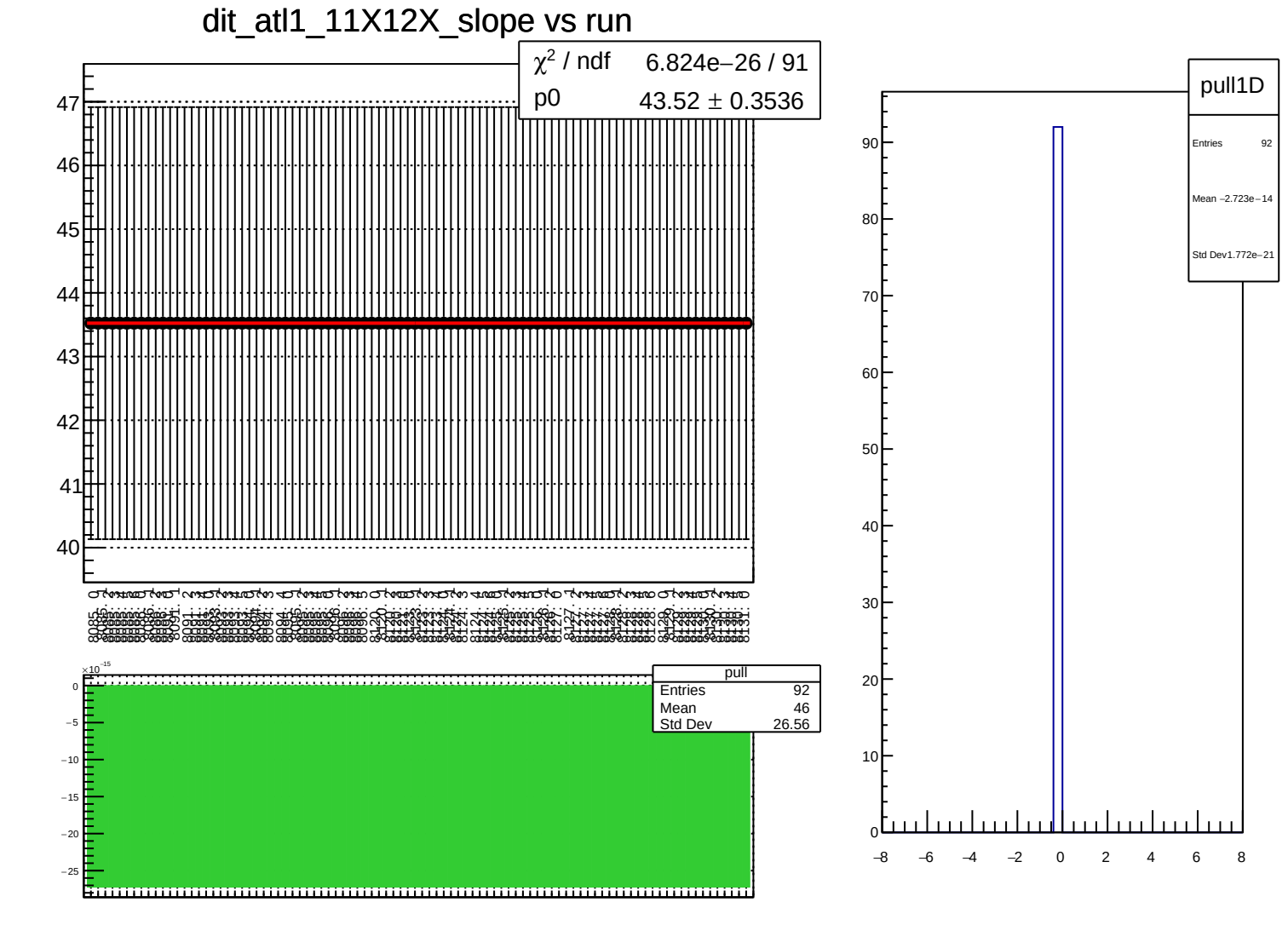

dit_usr_4eY_slope vs run
χ² / ndf 8.715e−26 / 91
p0 14.88 ± 0.1203
16
15.5
15
14.5
14
13.5
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
30
25
20
15
10
5
0

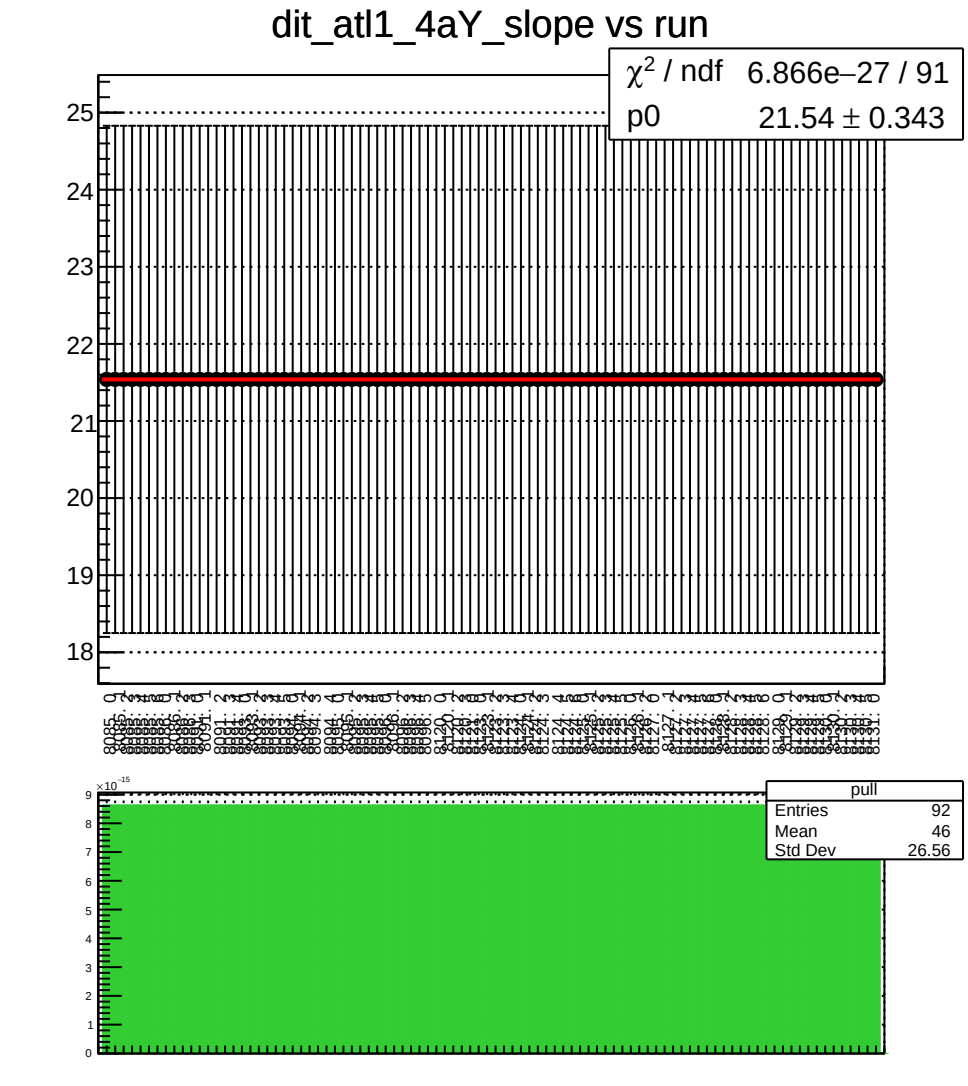

pull1D
Entries 92
Mean 3.078e−14
Std Dev1.894e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

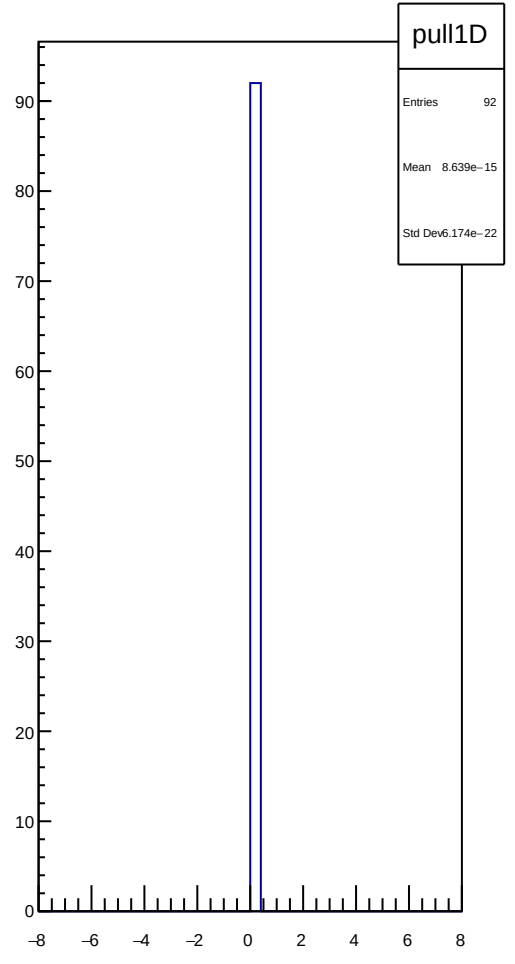

dit_atl1_4aX_slope vs run
χ² / ndf 1.409e−26 / 91
p0 119.1 ± 0.9579
130
125
120
115
110
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 92
Mean 46
Std Dev 26.56

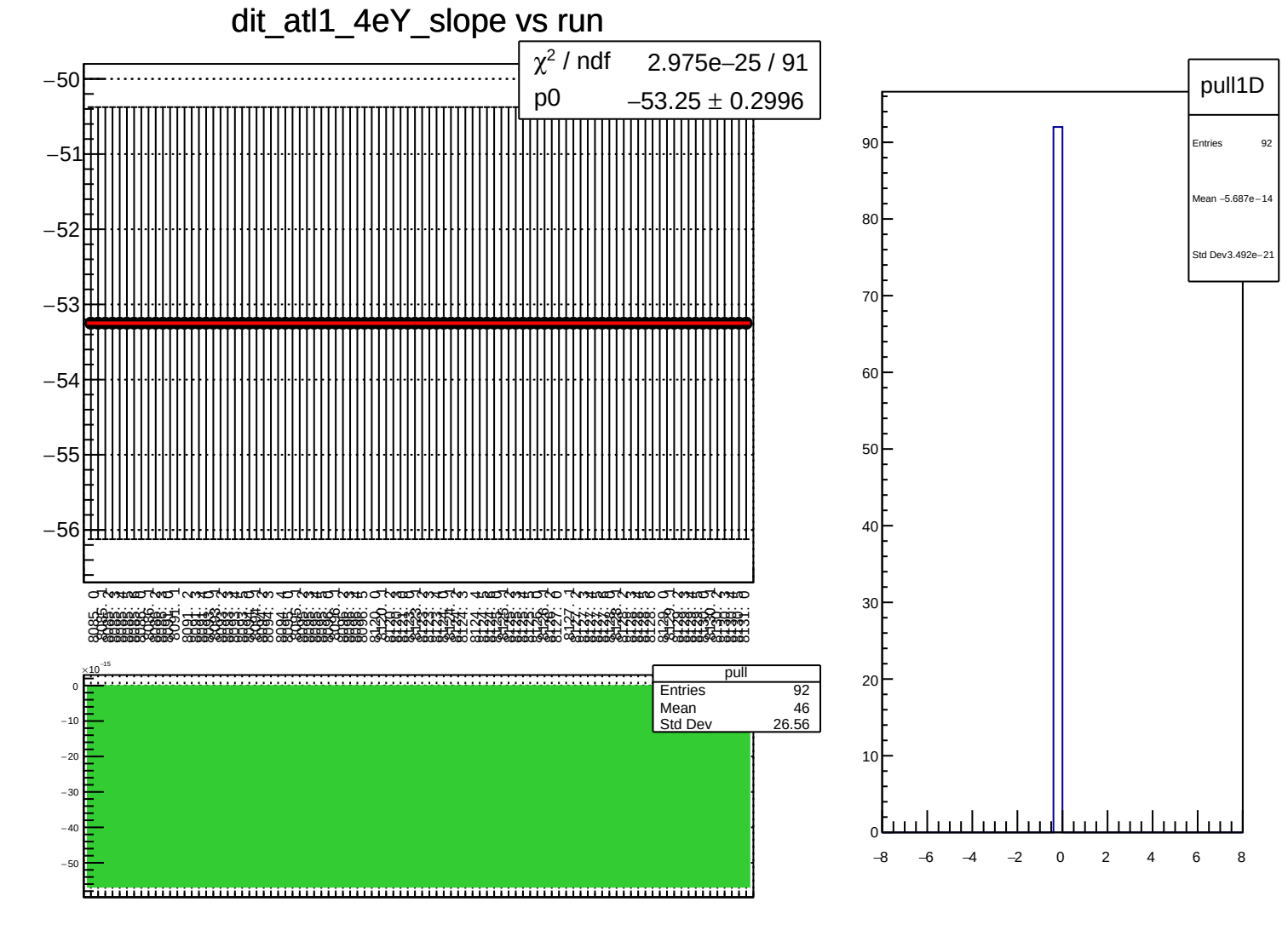

pull1D
Entries 92
Mean 1.237e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

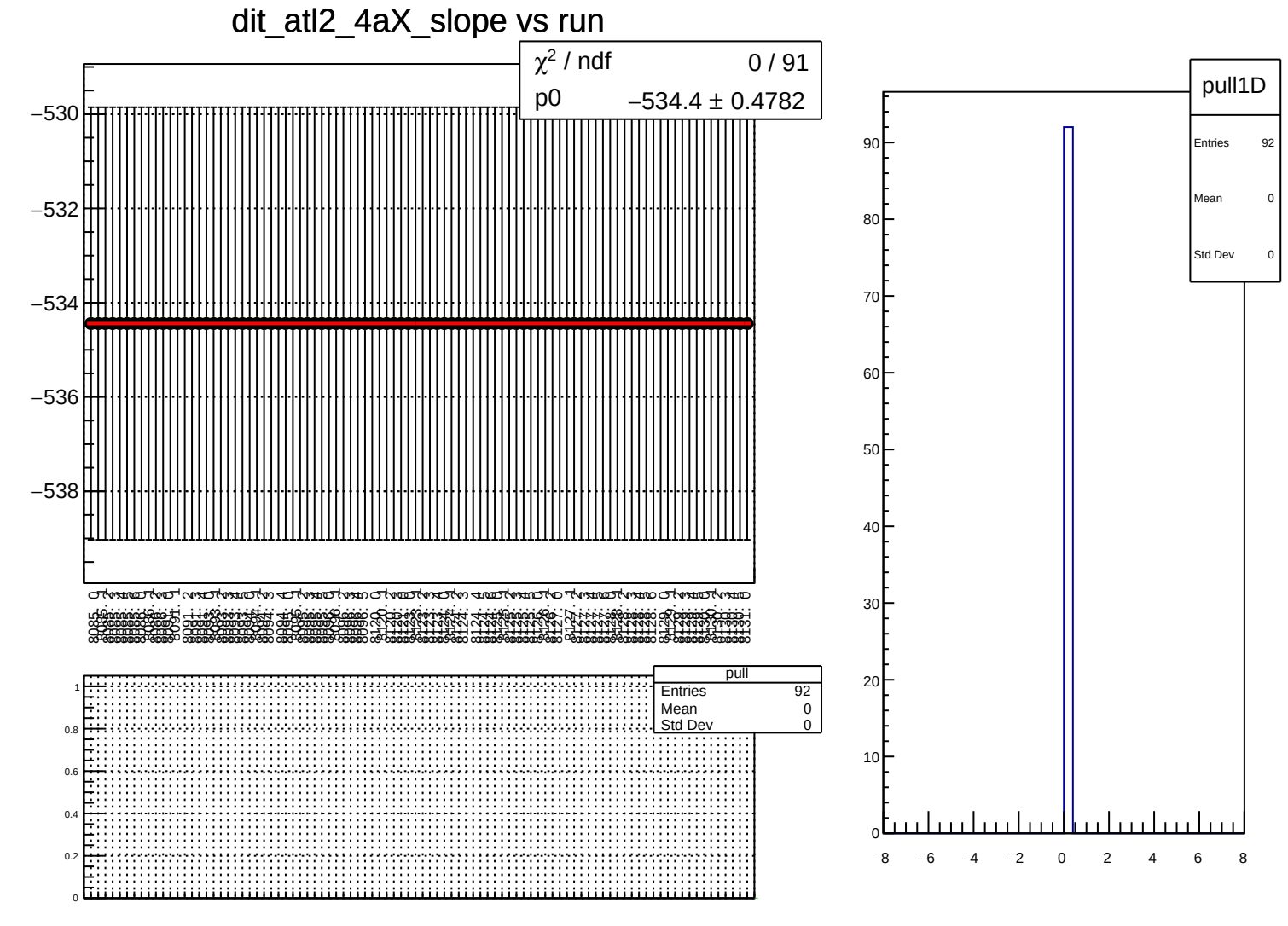

dit_atl1_4eX_slope vs run
χ² / ndf 2.361e−26 / 91
p0 −87.89 ± 0.9248
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean −1.602e−14
Std Dev4.235e−22

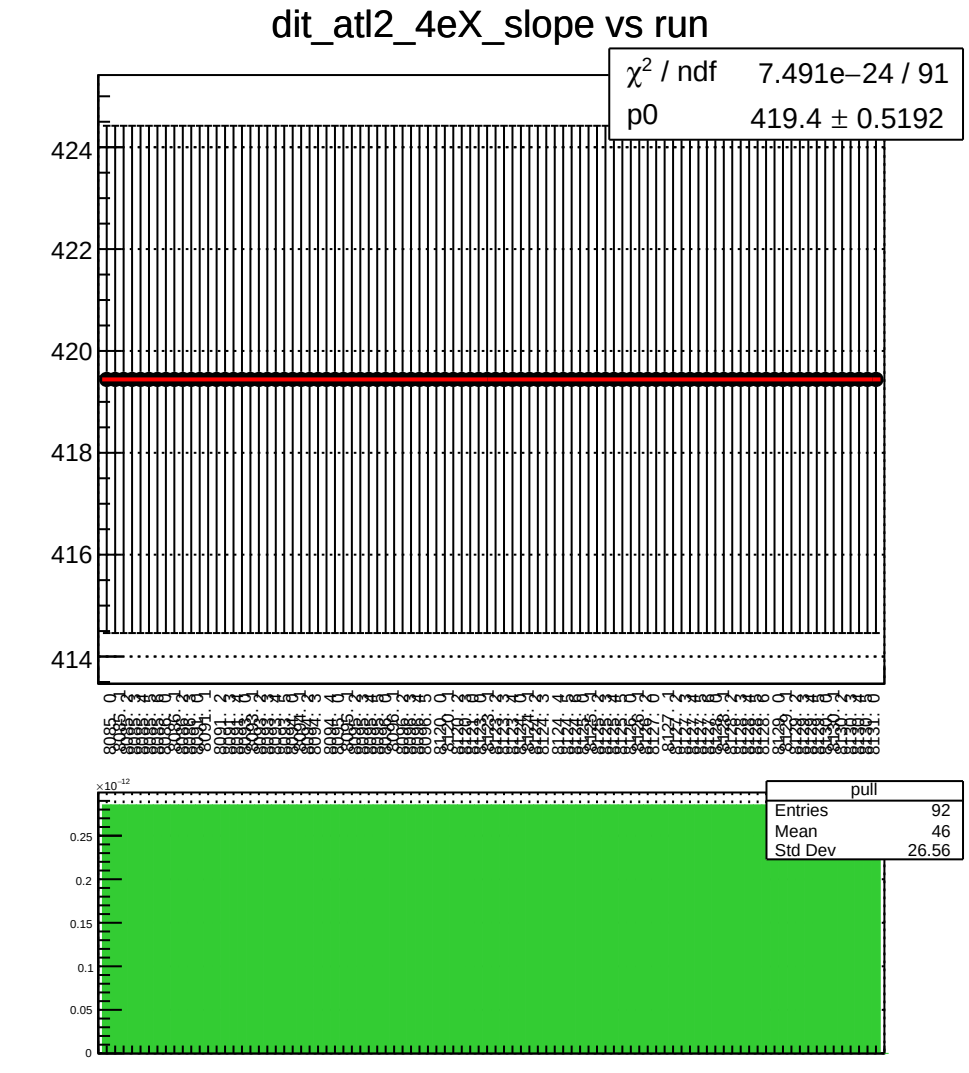

dit_atl1_11X12X_slope vs run
χ² / ndf 6.824e−26 / 91
p0 43.52 ± 0.3536
47
46
45
44
43
42
41
40
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 92
Mean −2.723e−14
Std Dev1.772e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

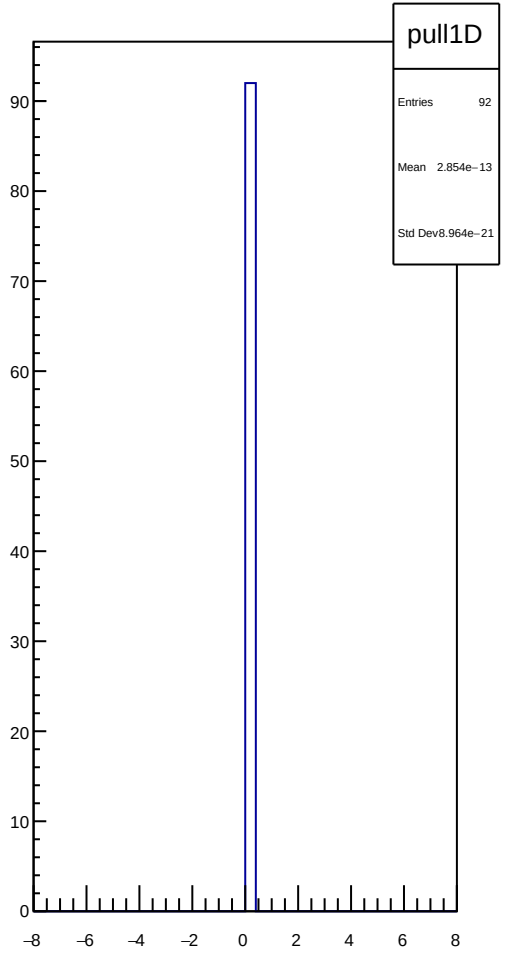

dit_atl1_4aY_slope vs run
χ² / ndf 6.866e−27 / 91
p0 21.54 ± 0.343
25
24
23
22
21
20
19
18
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0
pull
Entries 92
Mean 46
Std Dev 26.56

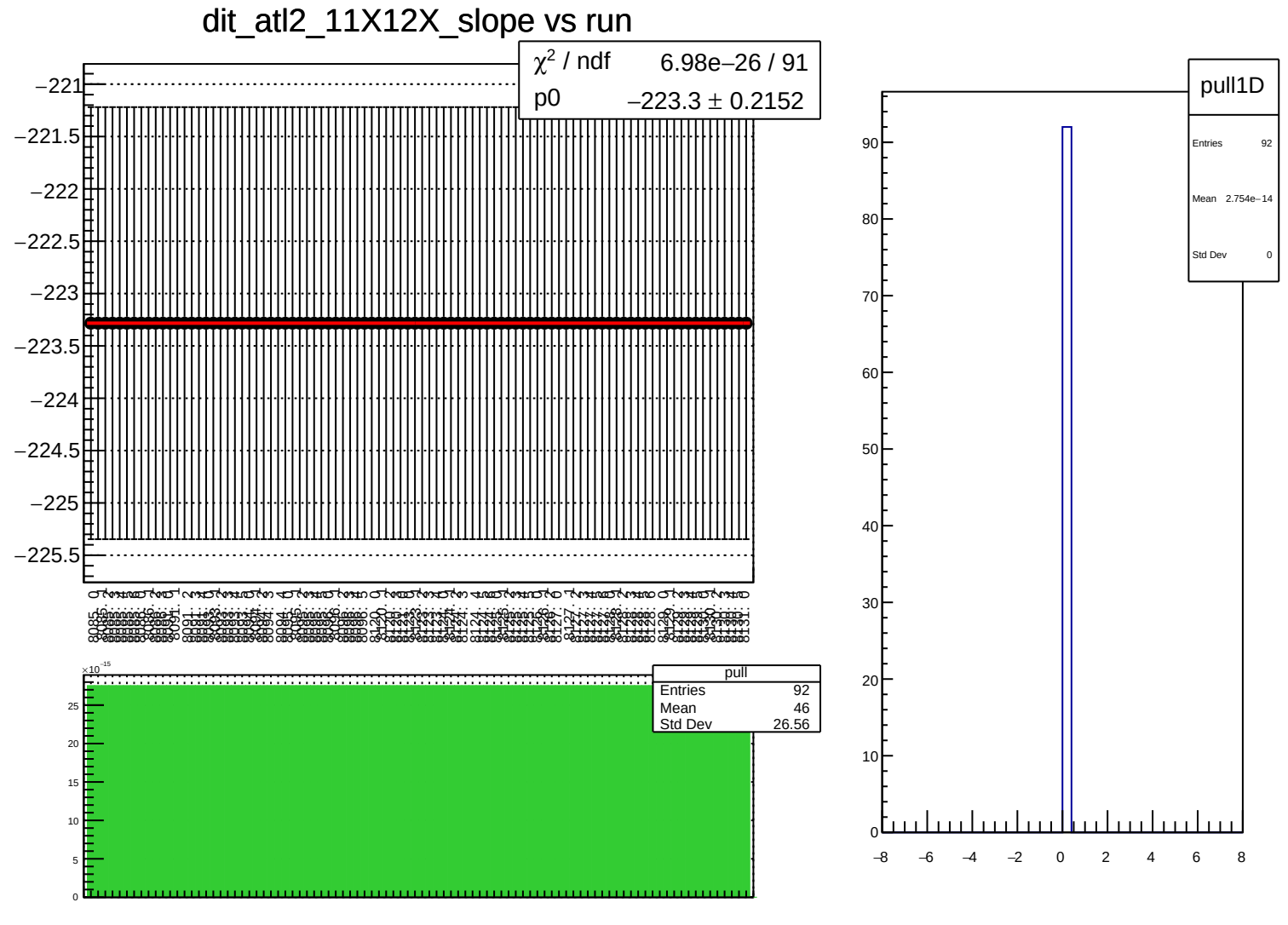

pull1D
Entries 92
Mean 8.639e−15
Std Dev 6.174e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

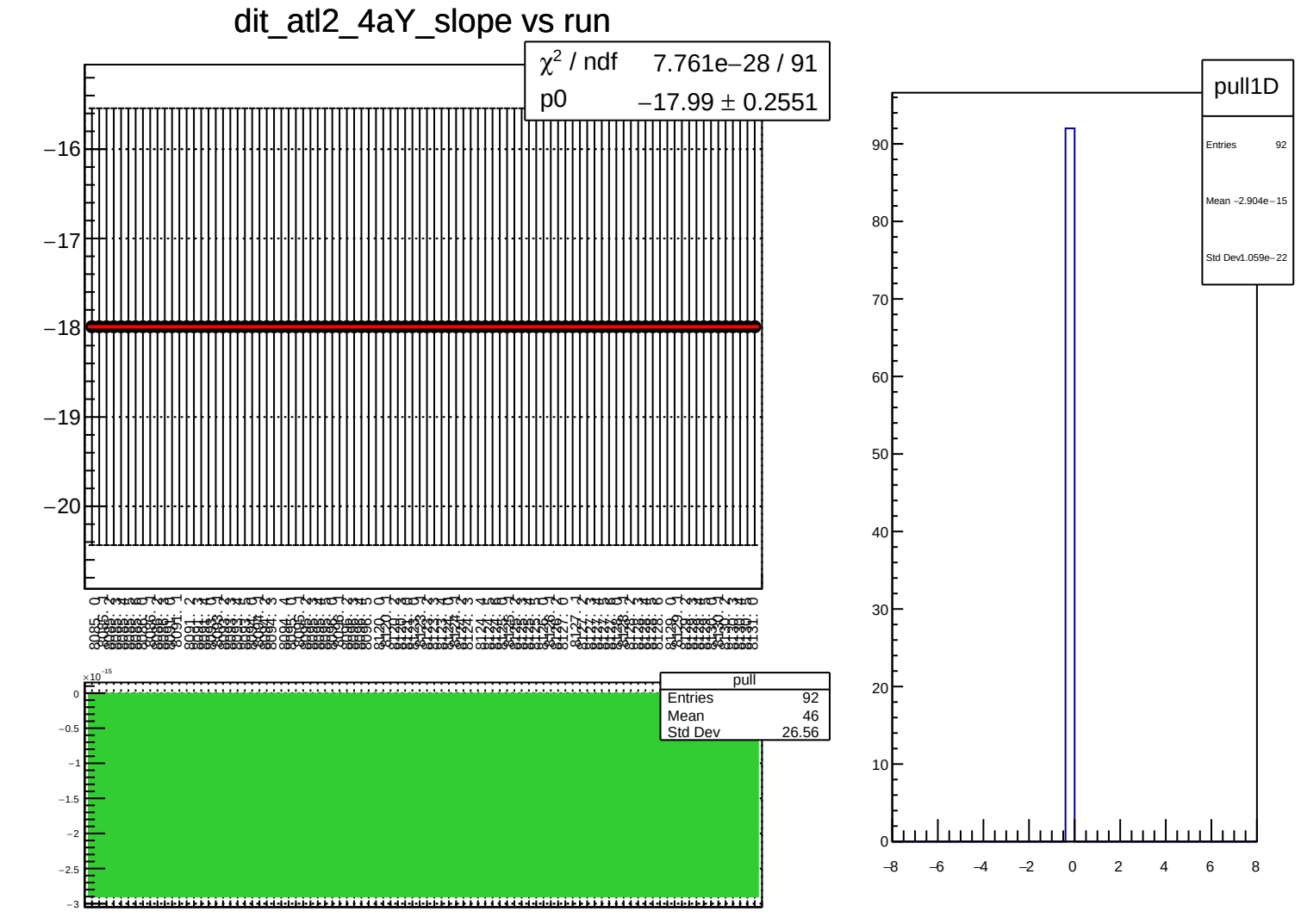

dit_atl1_4eY_slope vs run
χ² / ndf 2.975e−25 / 91
p0 −53.25 ± 0.2996
−50
−51
−52
−53
−54
−55
−56
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 92
Mean −5.687e−14
Std Dev3.492e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

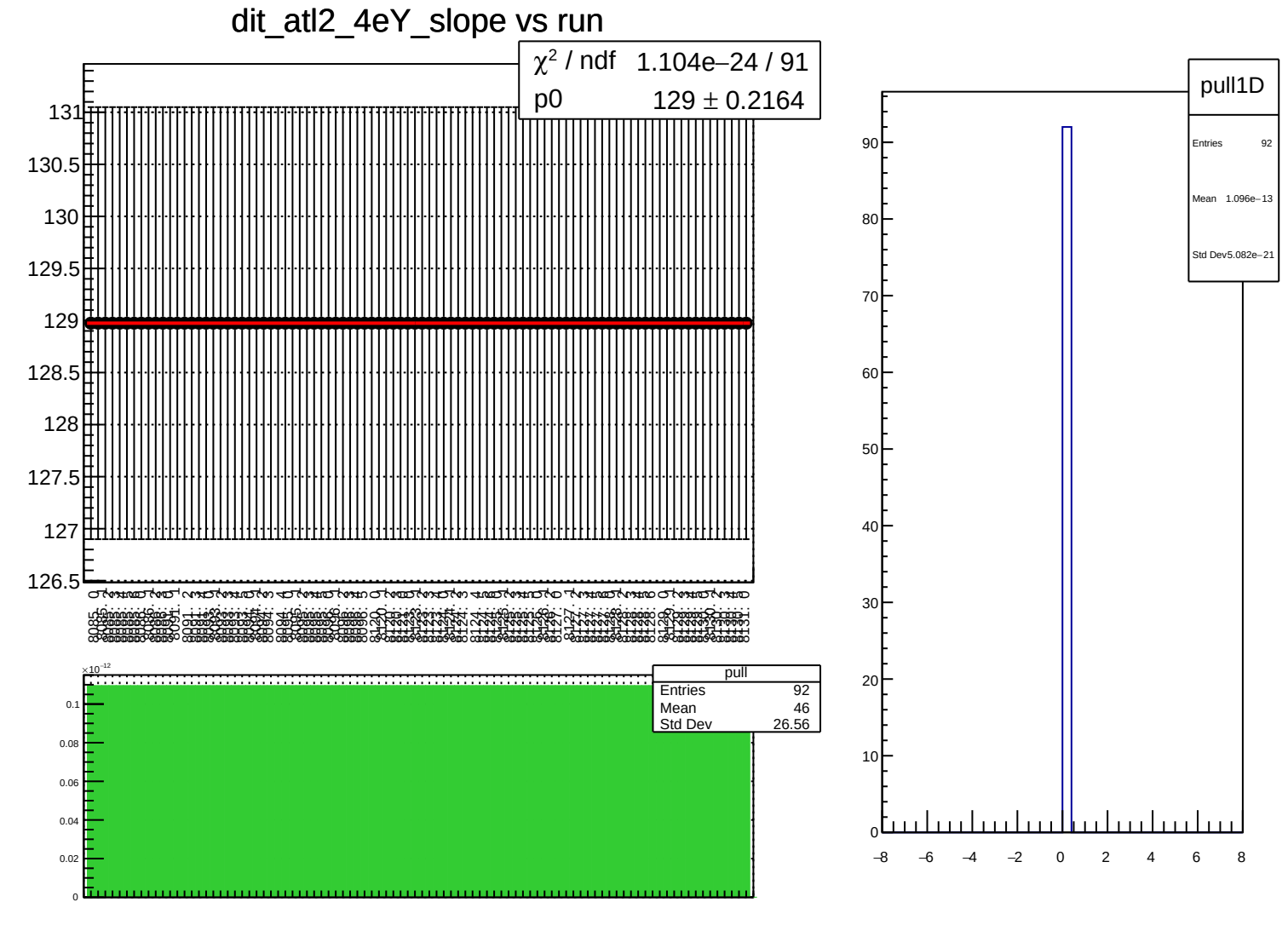

dit_atl2_4aX_slope vs run
χ² / ndf 0 / 91
p0 −534.4 ± 0.4782
−530
−532
−534
−536
−538
pull
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 92
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

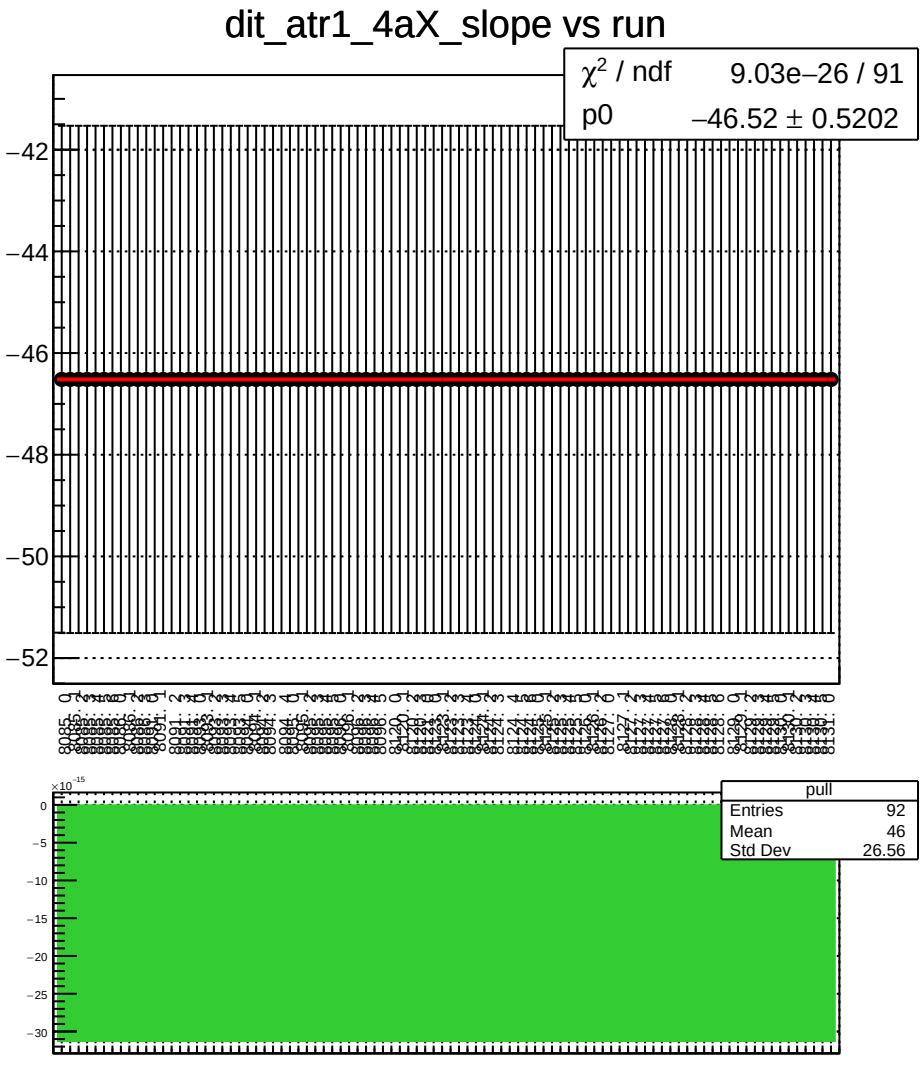

dit_atl2_4eX_slope vs run
χ² / ndf 7.491e−24 / 91
p0 419.4 ± 0.5192
424
422
420
418
416
414
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

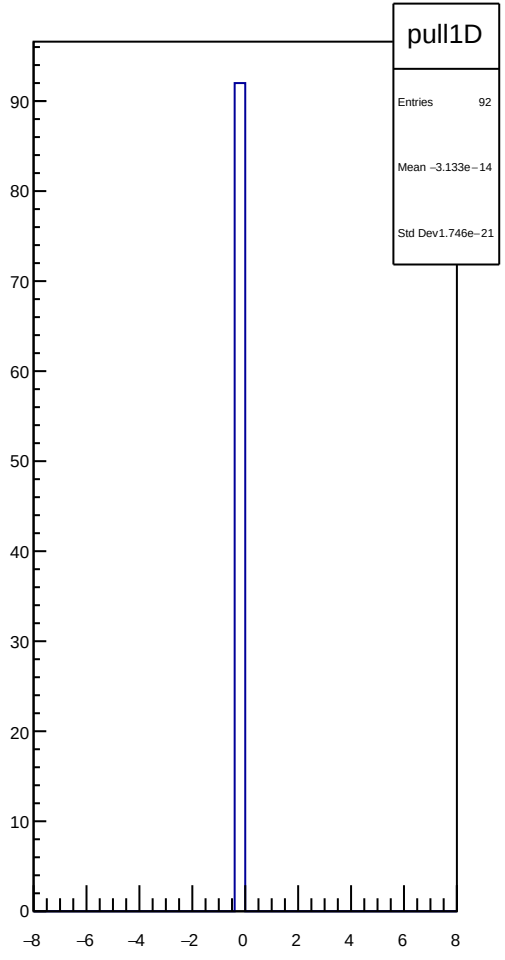

pull1D
Entries 92
Mean 2.854e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

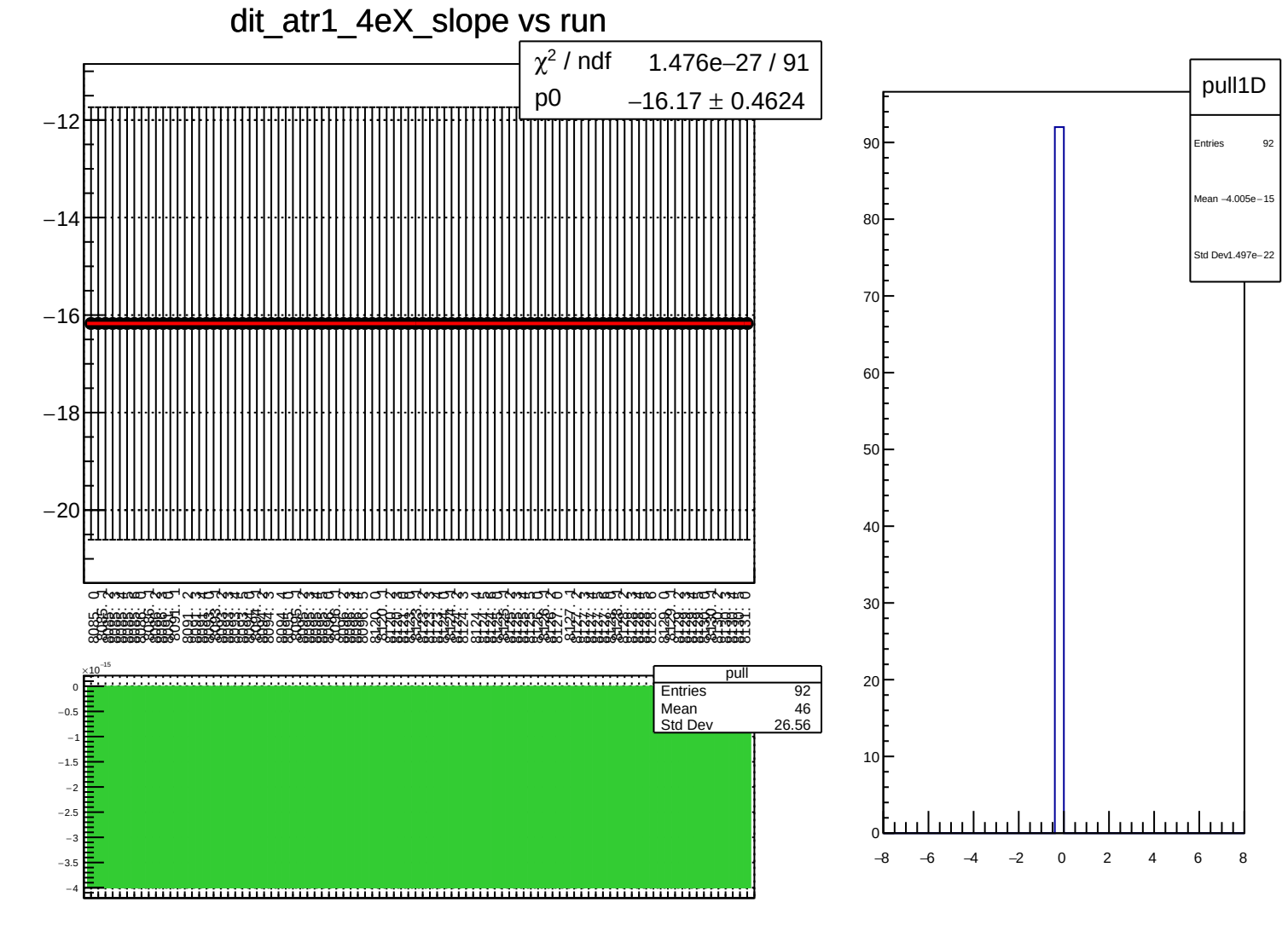

dit_atl2_11X12X_slope vs run
χ² / ndf 6.98e−26 / 91
p0 −223.3 ± 0.2152
−221
−221.5
−222
−222.5
−223
−223.5
−224
−224.5
−225
−225.5
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 92
Mean 2.754e−14
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

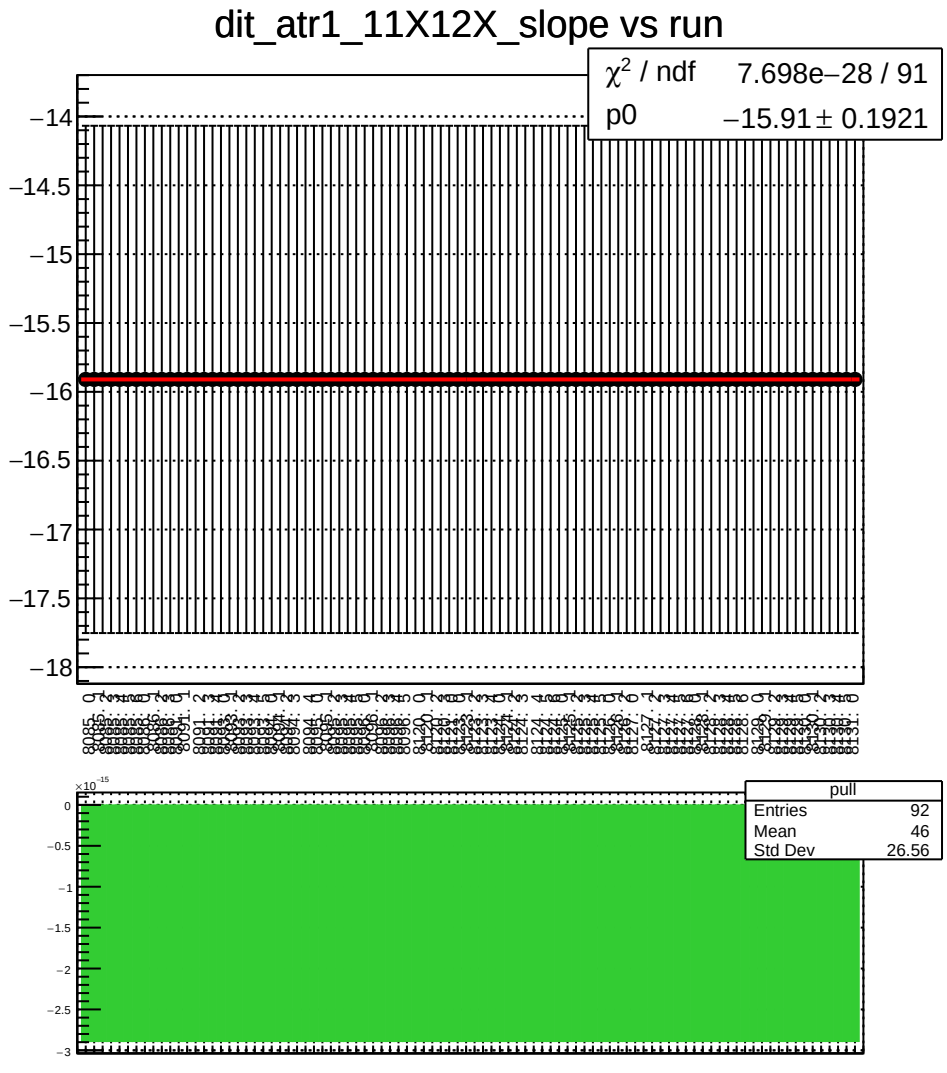

dit_atl2_4aY_slope vs run
χ² / ndf 7.761e−28 / 91
p0 −17.99 ± 0.2551
−16
−17
−18
−19
−20
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 92
Mean −2.904e−15
Std Dev1.059e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

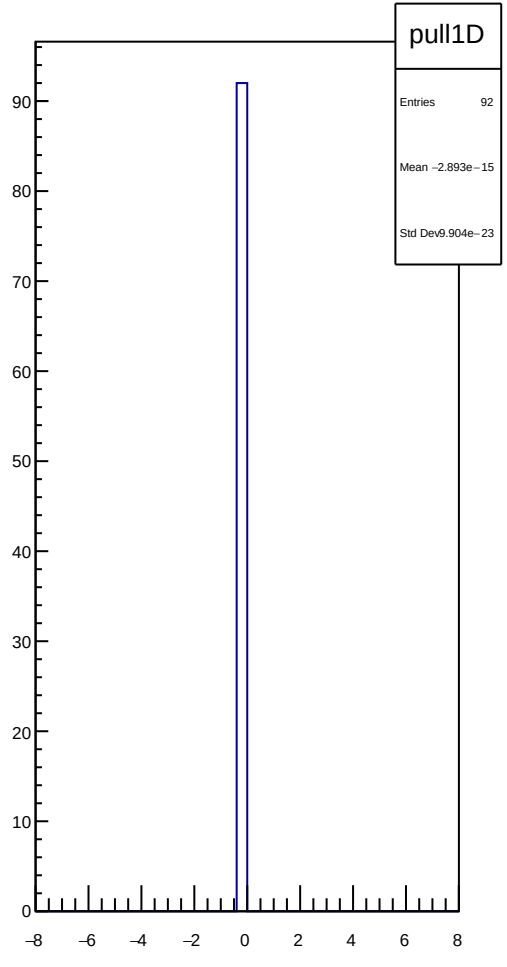

dit_atl2_4eY_slope vs run
χ² / ndf 1.104e−24 / 91
p0 129 ± 0.2164
131
130.5
130
129.5
129
128.5
128
127.5
127
126.5
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 1.096e−13
Std Dev5.082e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

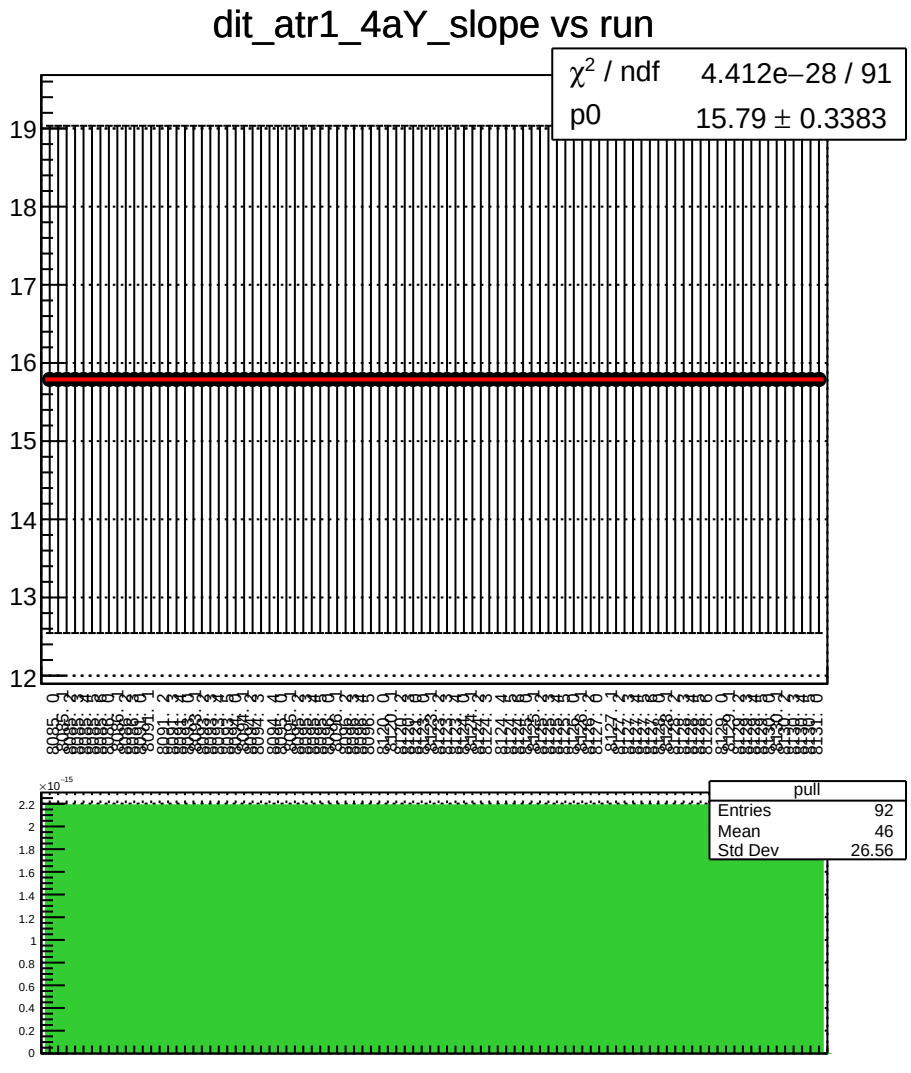

dit_atr1_4aX_slope vs run
χ² / ndf 9.03e−26 / 91
p0 −46.52 ± 0.5202
−42
−44
−46
−48
−50
−52
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

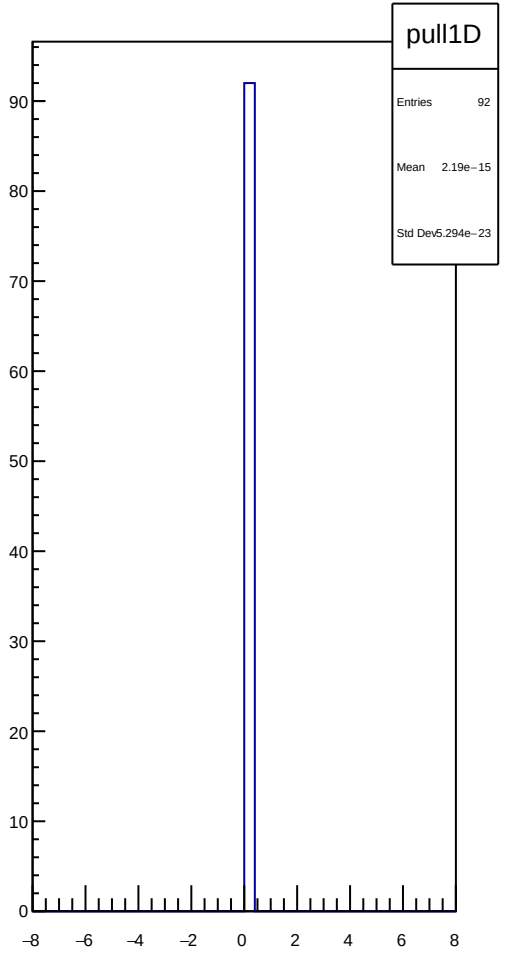

pull1D
Entries 92
Mean −3.133e−14
Std Dev1.746e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

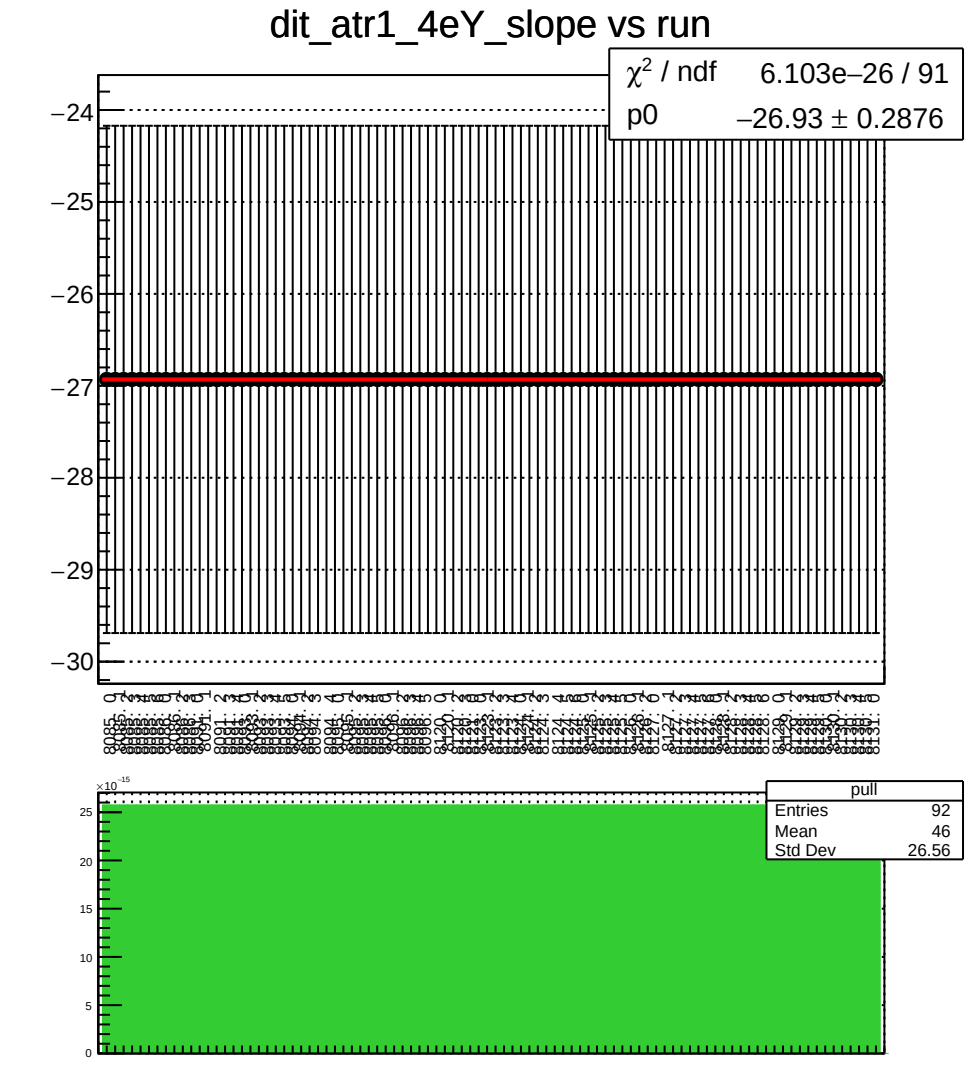

dit_atr1_4eX_slope vs run
χ² / ndf 1.476e−27 / 91
p0 −16.17 ± 0.4624
−12
−14
−16
−18
−20
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 92
Mean −4.005e−15
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

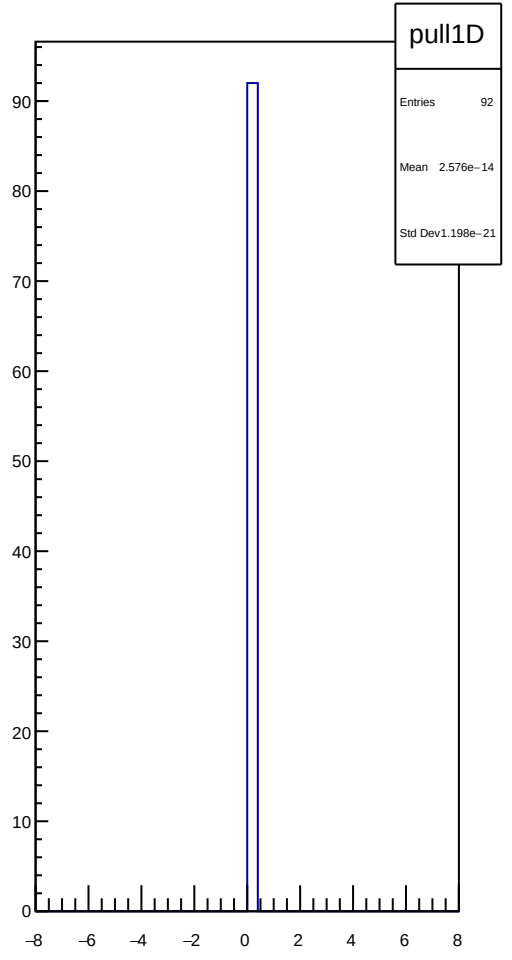

dit_atr1_11X12X_slope vs run
χ² / ndf 7.698e−28 / 91
p0 −15.91 ± 0.1921
−14
−14.5
−15
−15.5
−16
−16.5
−17
−17.5
−18
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

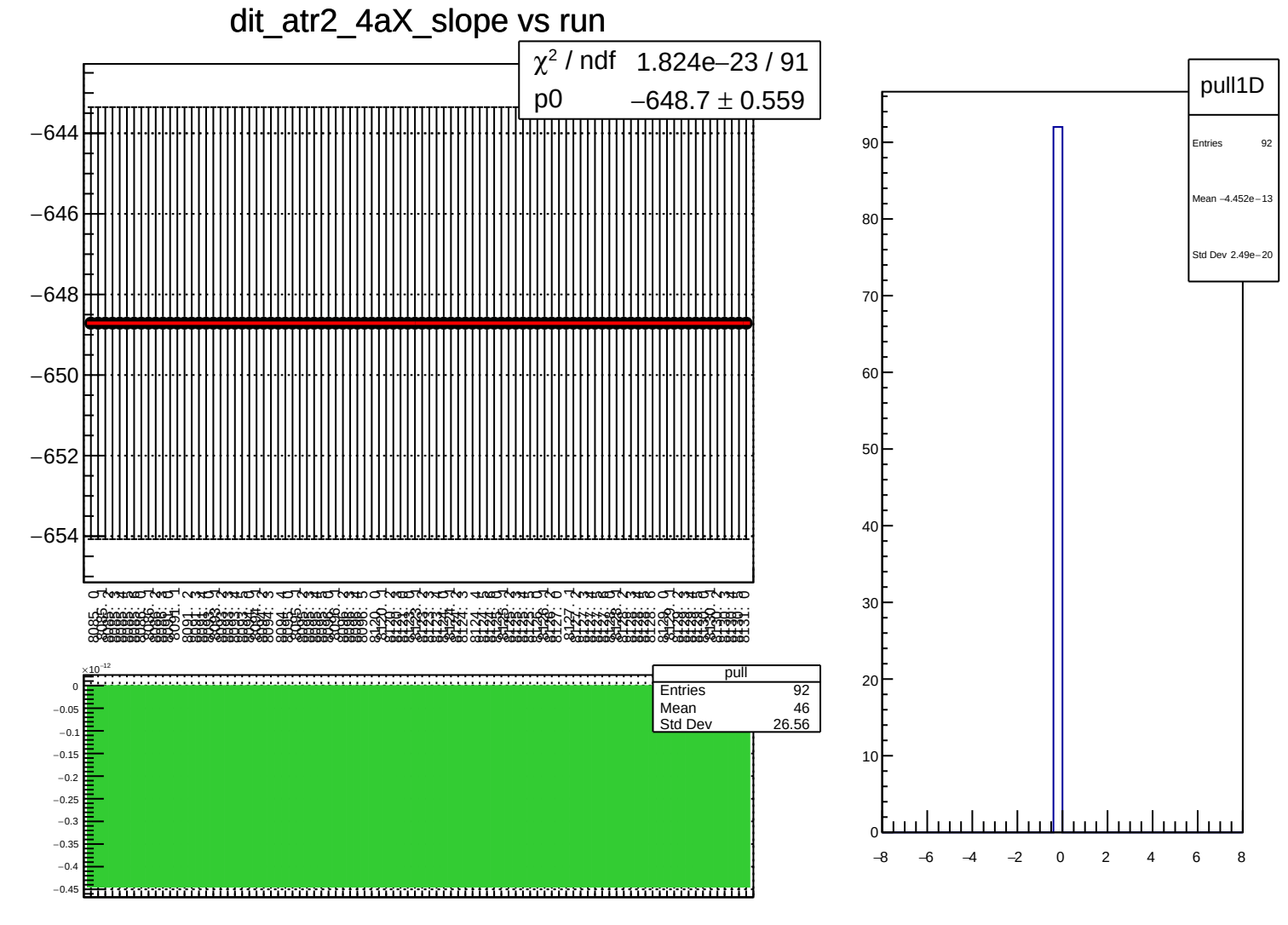

pull1D
Entries 92
Mean −2.893e−15
Std Dev 9.904e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

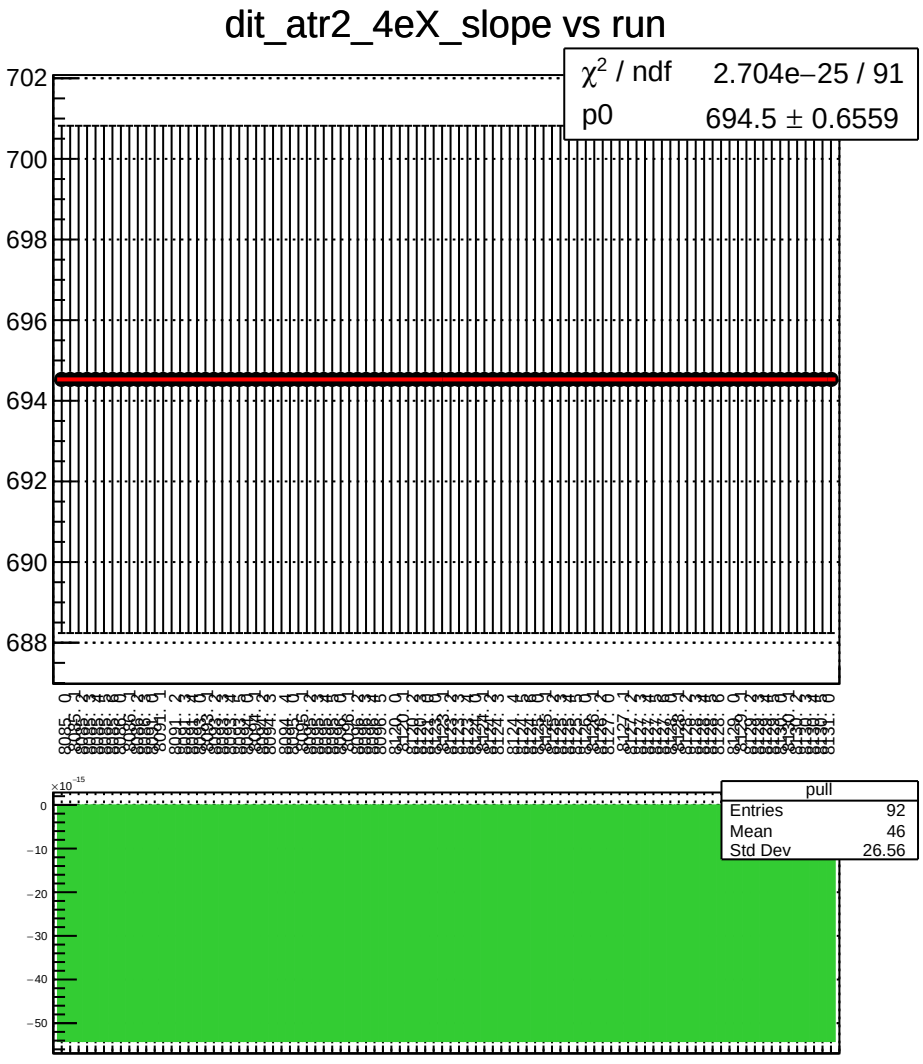

dit_atr1_4aY_slope vs run
χ² / ndf 4.412e−28 / 91
p0 15.79 ± 0.3383
pull
Entries 92
Mean 46
Std Dev 26.56

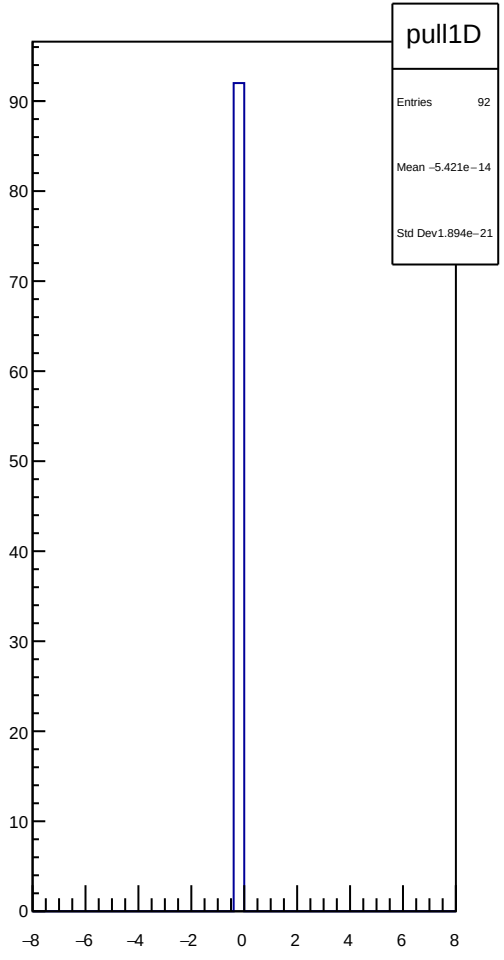

pull1D
Entries 92
Mean 2.19e−15
Std Dev 5.294e−23

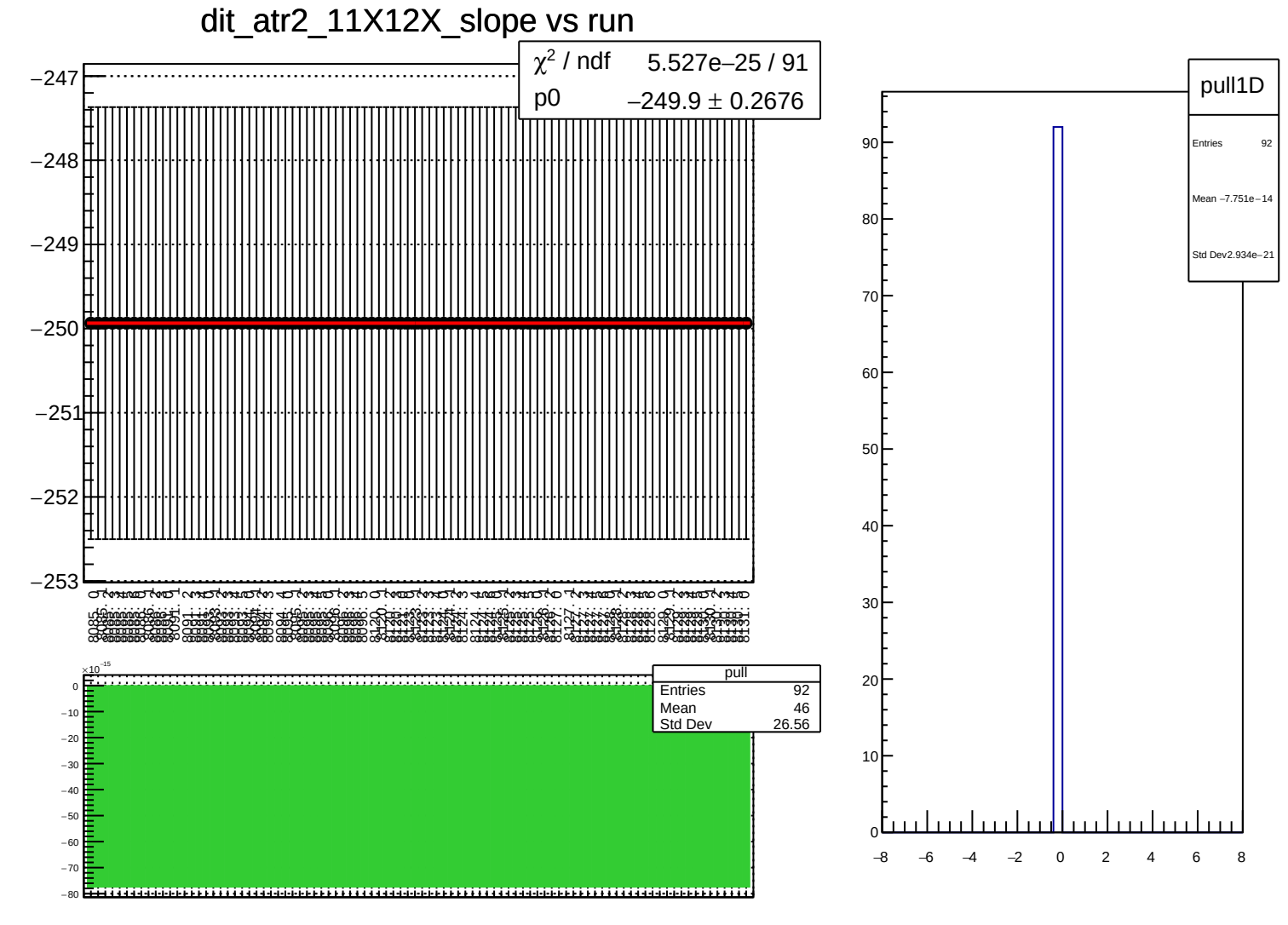

dit_atr1_4eY_slope vs run
χ² / ndf 6.103e−26 / 91
p0 −26.93 ± 0.2876
−24
−25
−26
−27
−28
−29
−30
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 92
Mean 46
Std Dev 26.56

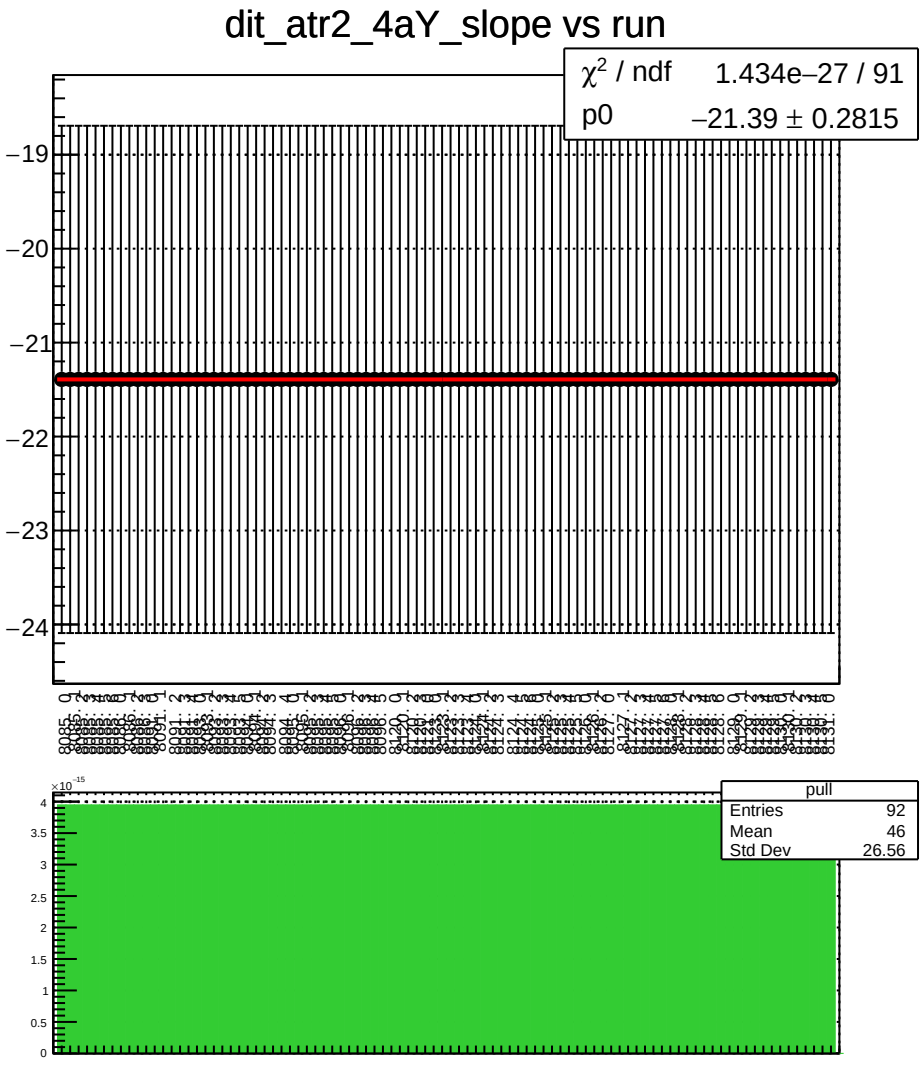

pull1D
Entries 92
Mean 2.576e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

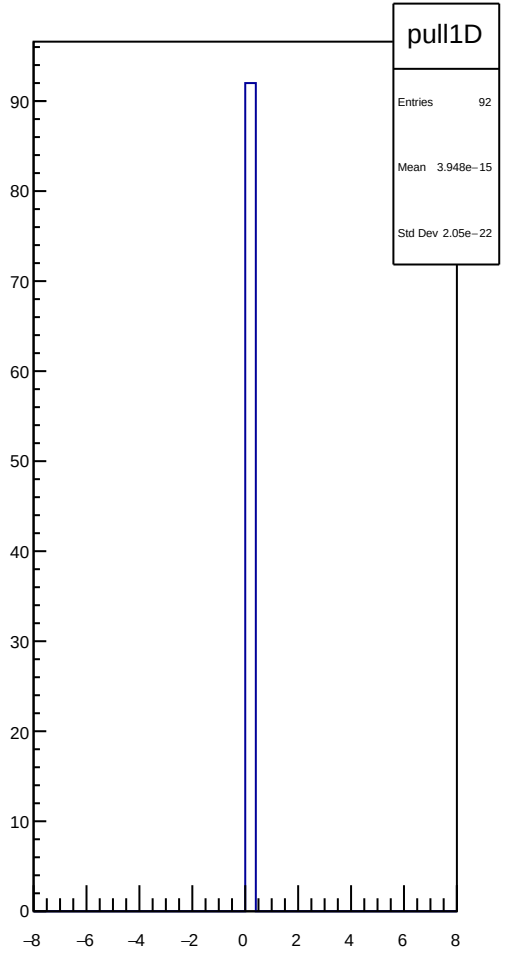

dit_atr2_4aX_slope vs run
χ² / ndf 1.824e−23 / 91
p0 −648.7 ± 0.559
−644
−646
−648
−650
−652
−654
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
pull1D
Entries 92
Mean −4.452e−13
Std Dev 2.49e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

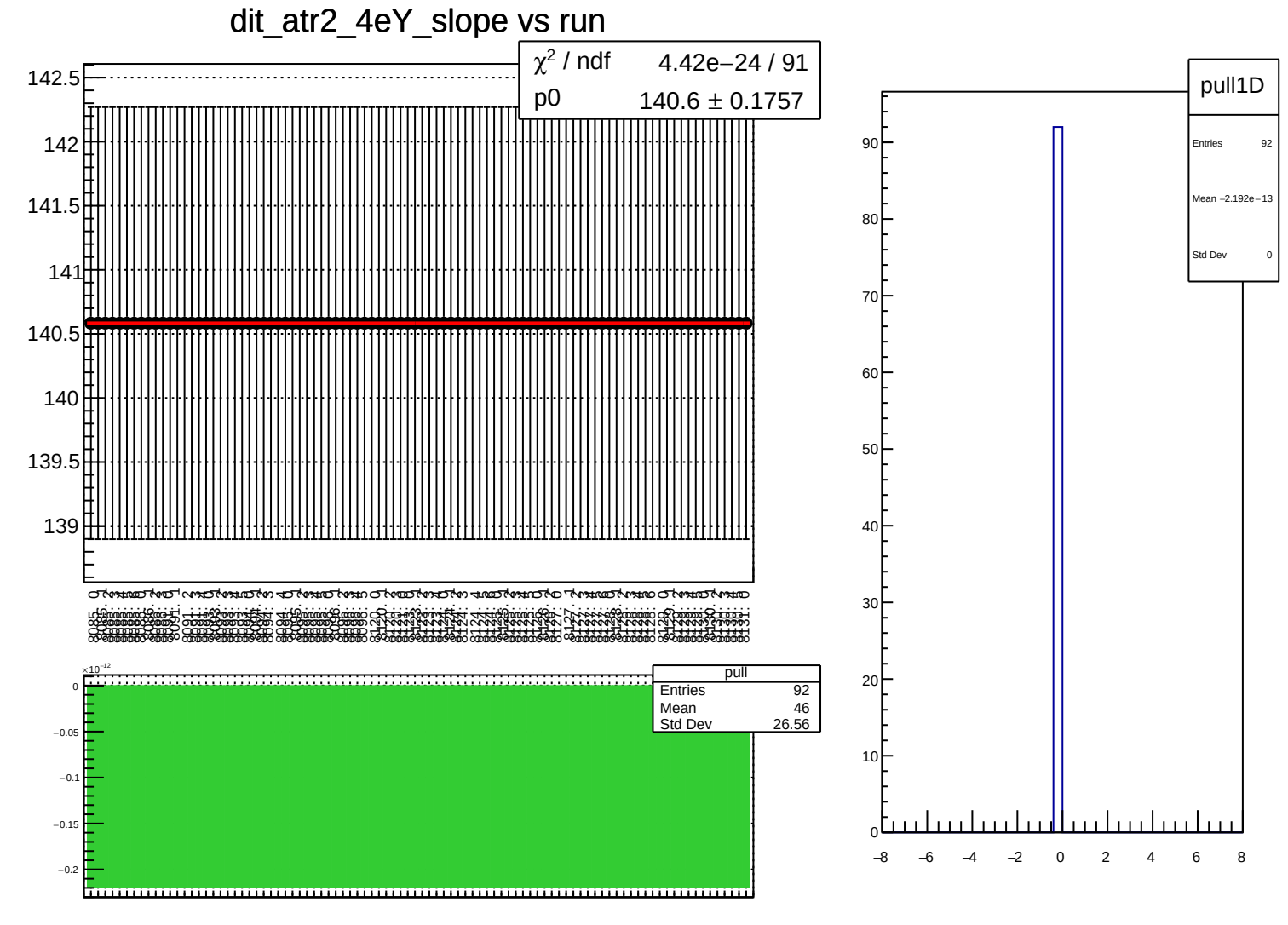

dit_atr2_4eX_slope vs run
χ² / ndf 2.704e−25 / 91
p0 694.5 ± 0.6559
pull
Entries 92
Mean 46
Std Dev 26.56

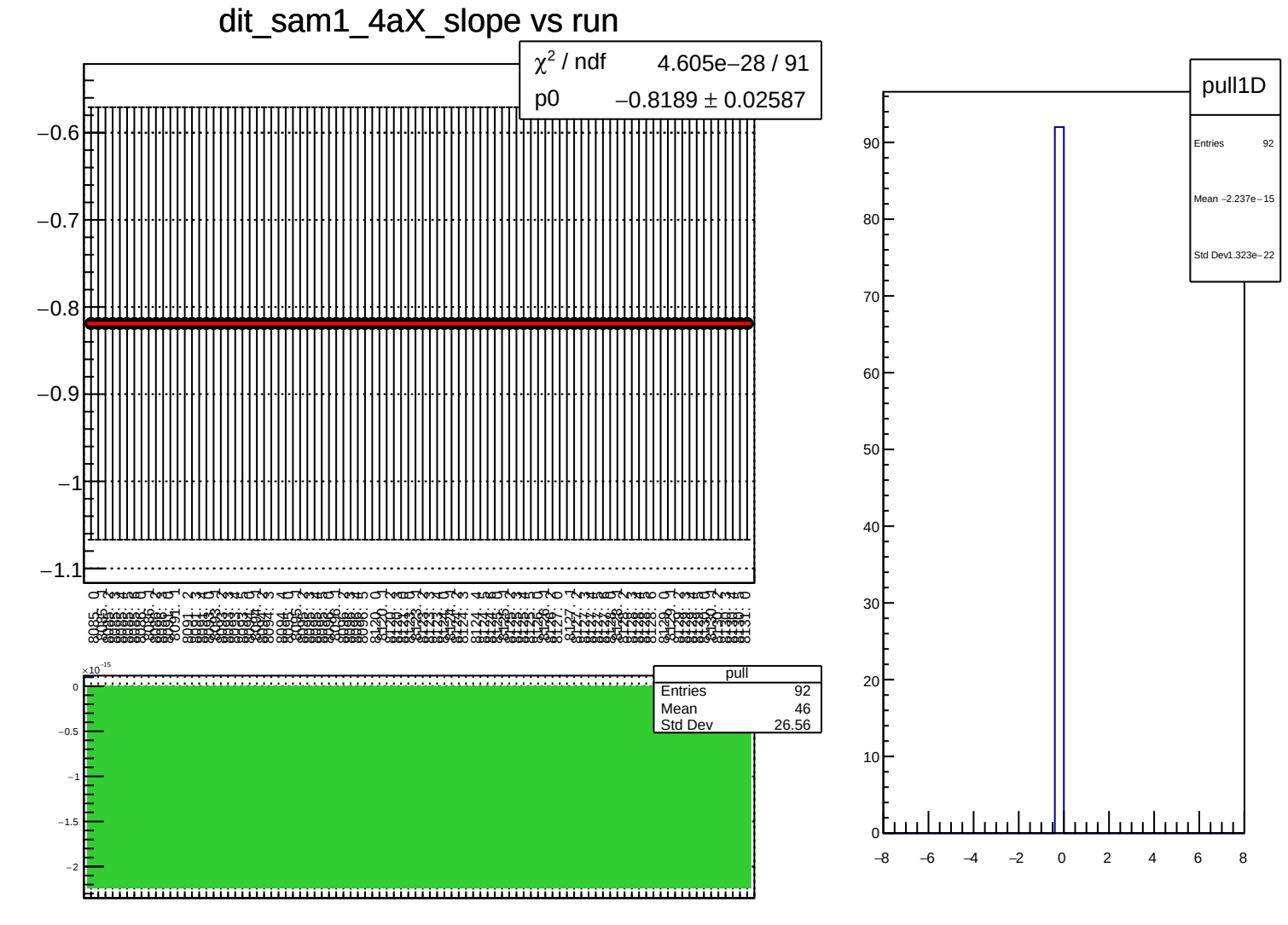

pull1D
Entries 92
Mean −5.421e−14
Std Dev1.894e−21

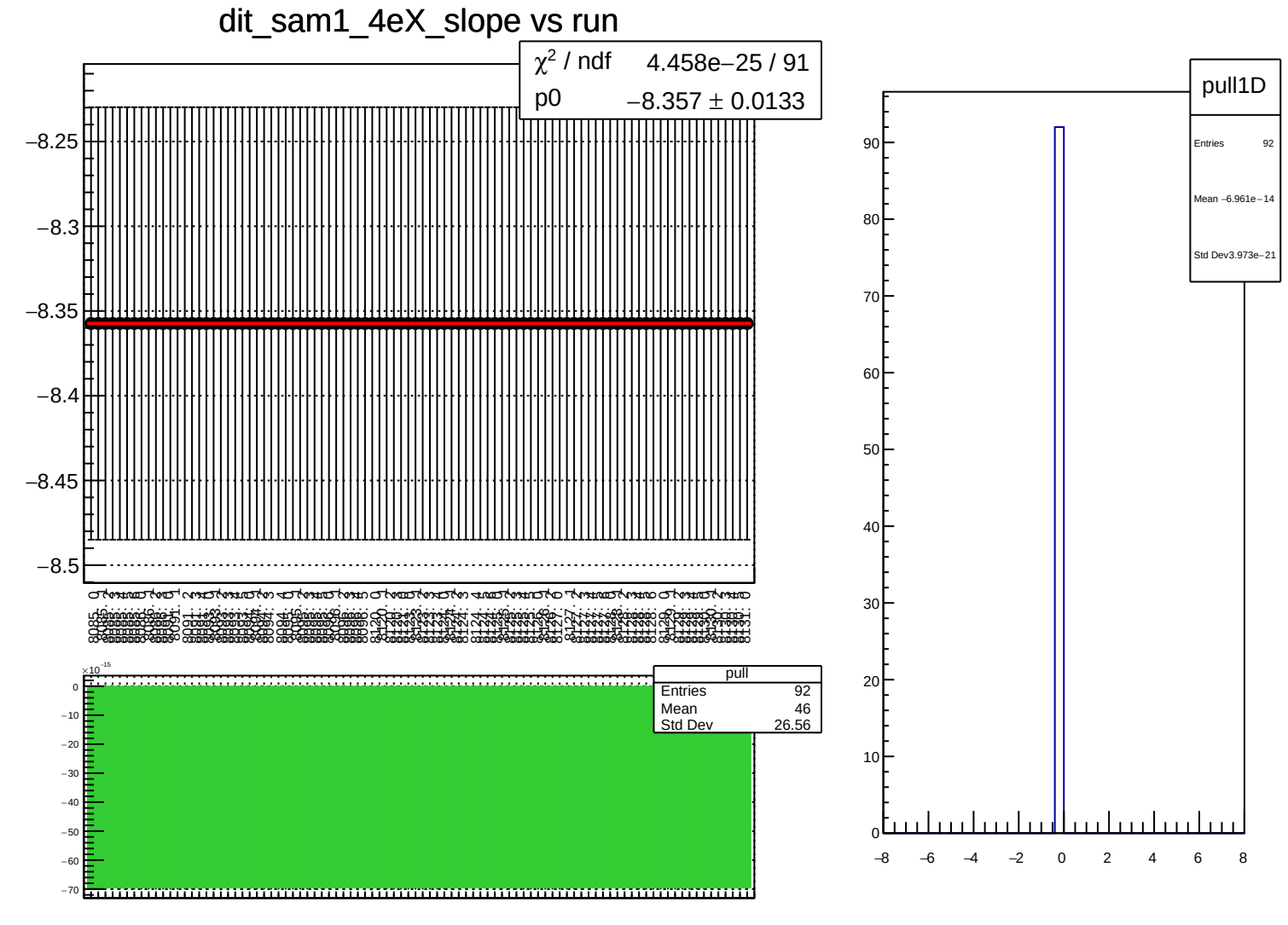

dit_atr2_11X12X_slope vs run
χ² / ndf 5.527e−25 / 91
p0 −249.9 ± 0.2676
−247
−248
−249
−250
−251
−252
−253
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 92
Mean −7.751e−14
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

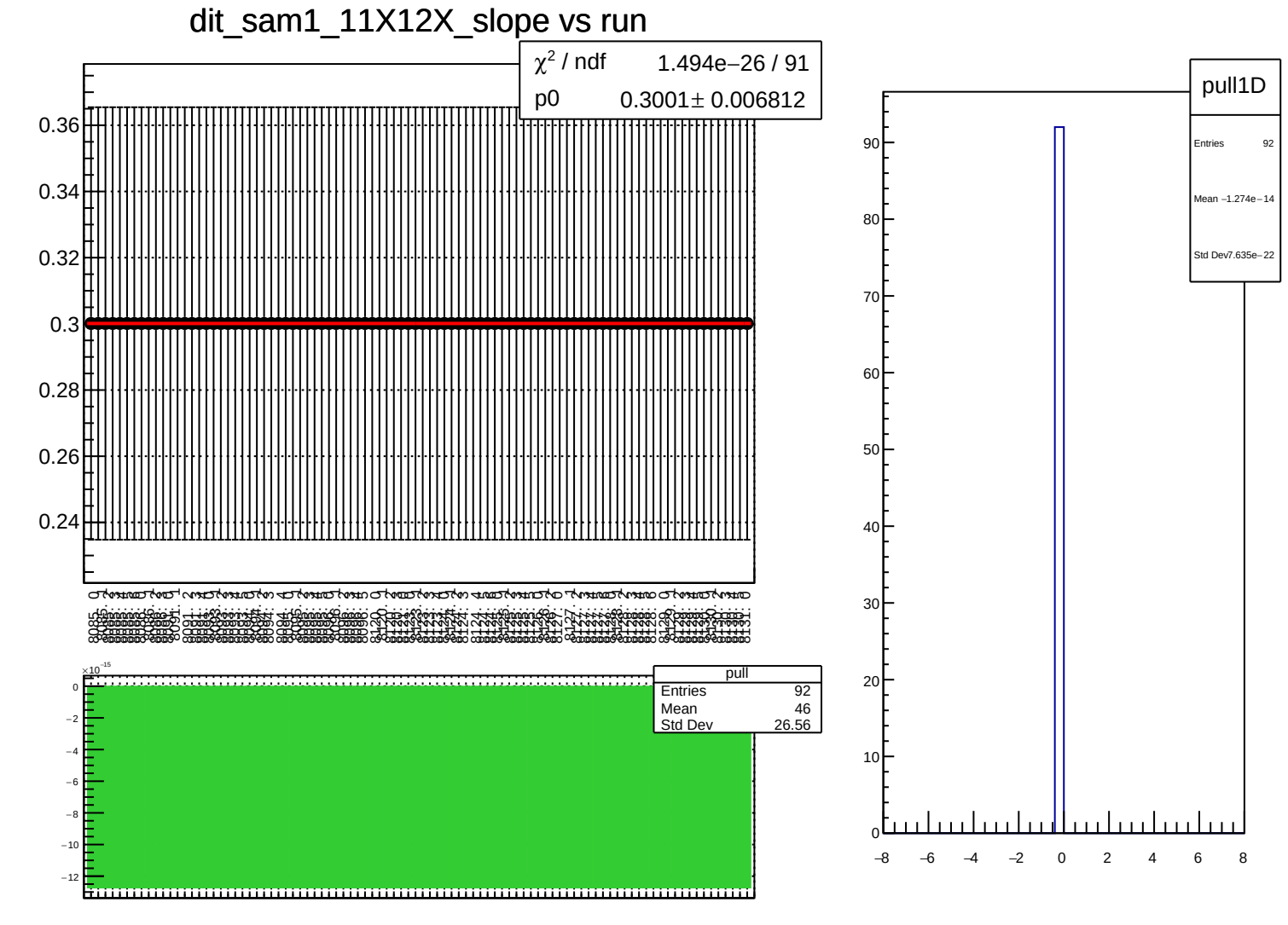

dit_atr2_4aY_slope vs run
χ² / ndf 1.434e−27 / 91
p0 −21.39 ± 0.2815
−19
−20
−21
−22
−23
−24
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

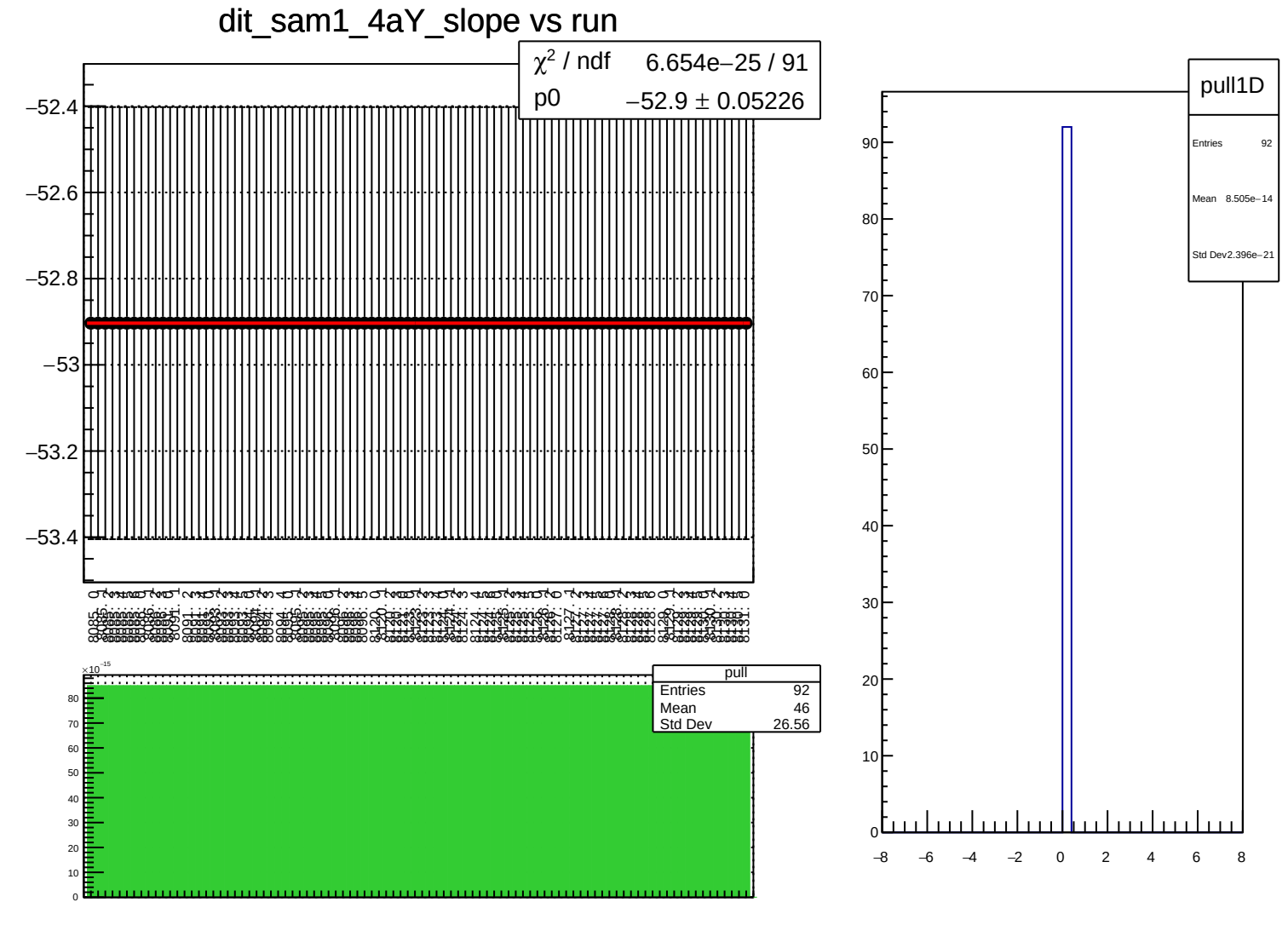

pull1D
Entries 92
Mean 3.948e−15
Std Dev 2.05e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

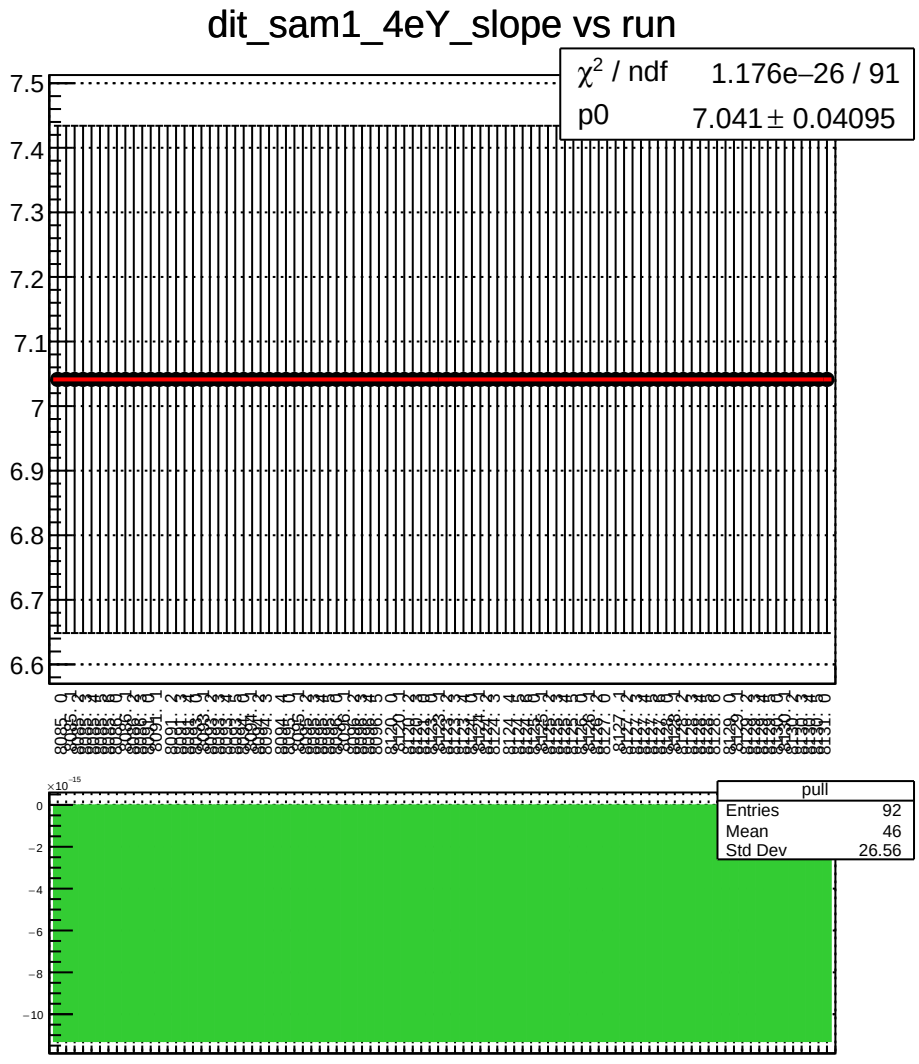

dit_atr2_4eY_slope vs run
χ² / ndf 4.42e−24 / 91
p0 140.6 ± 0.1757
142.5
142
141.5
141
140.5
140
139.5
139
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 92
Mean −2.192e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

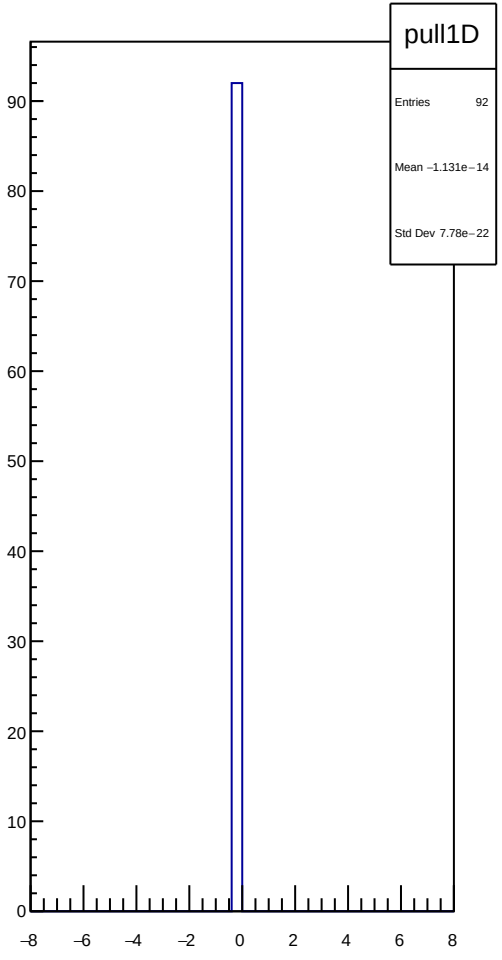

dit_sam1_4aX_slope vs run
χ² / ndf 4.605e−28 / 91
p0 −0.8189 ± 0.02587
−0.6
−0.7
−0.8
−0.9
−1
−1.1
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −2.237e−15
Std Dev1.323e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

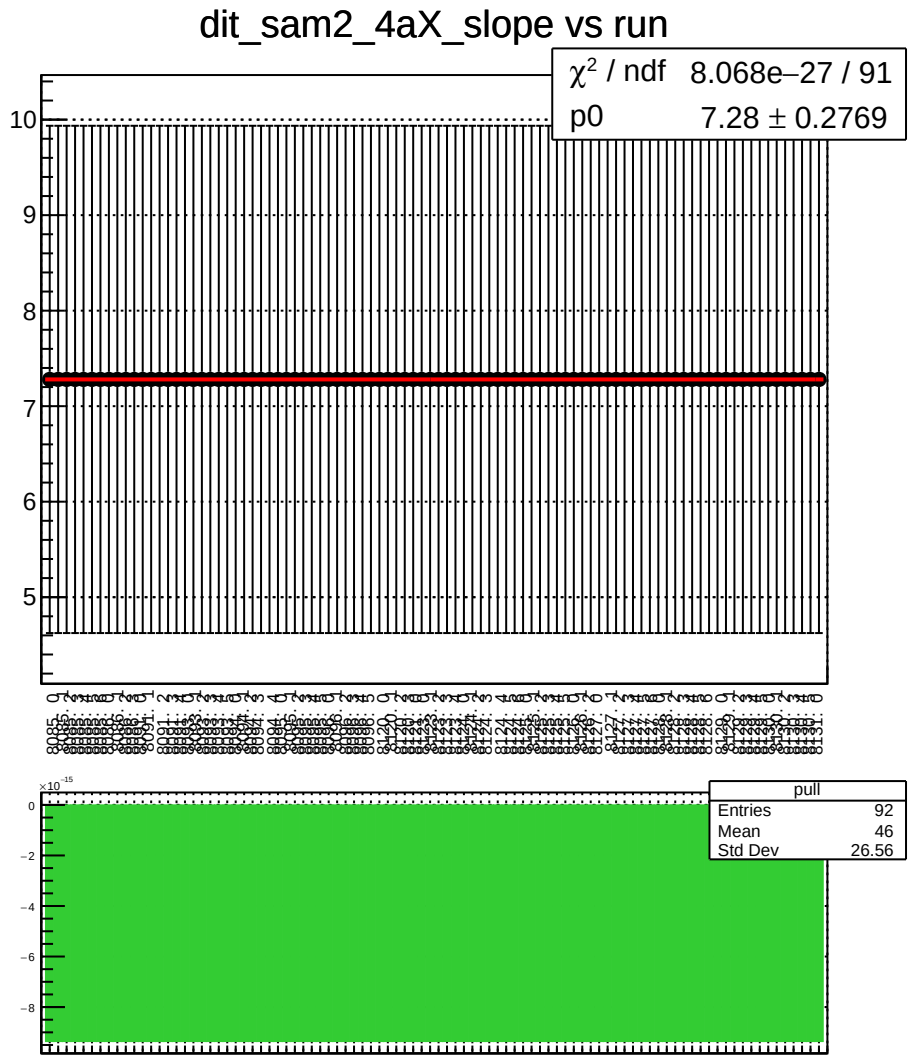

dit_sam1_4eX_slope vs run
χ² / ndf 4.458e−25 / 91
p0 −8.357 ± 0.0133
−8.25
−8.3
−8.35
−8.4
−8.45
−8.5
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 92
Mean −6.961e−14
Std Dev3.973e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

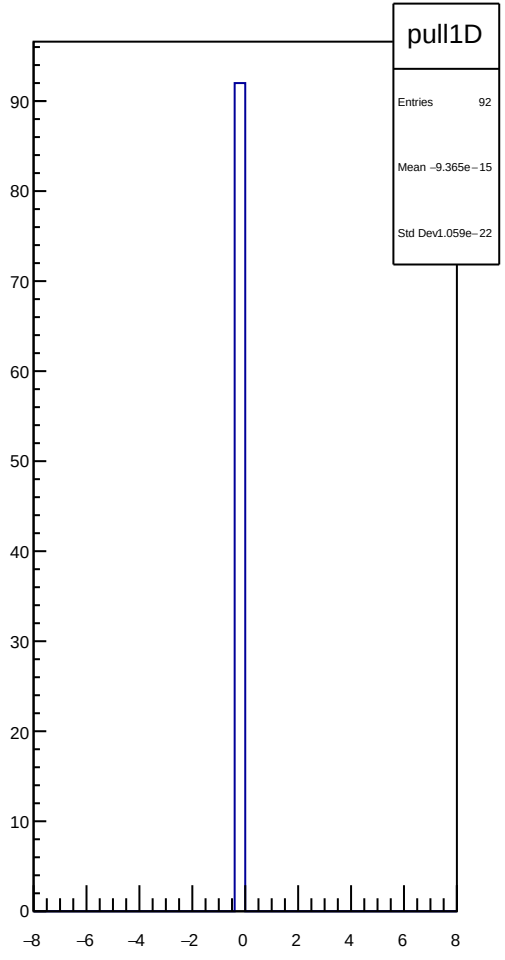

dit_sam1_11X12X_slope vs run
χ² / ndf 1.494e−26 / 91
p0 0.3001± 0.006812
0.36
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 92
Mean −1.274e−14
Std Dev7.635e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

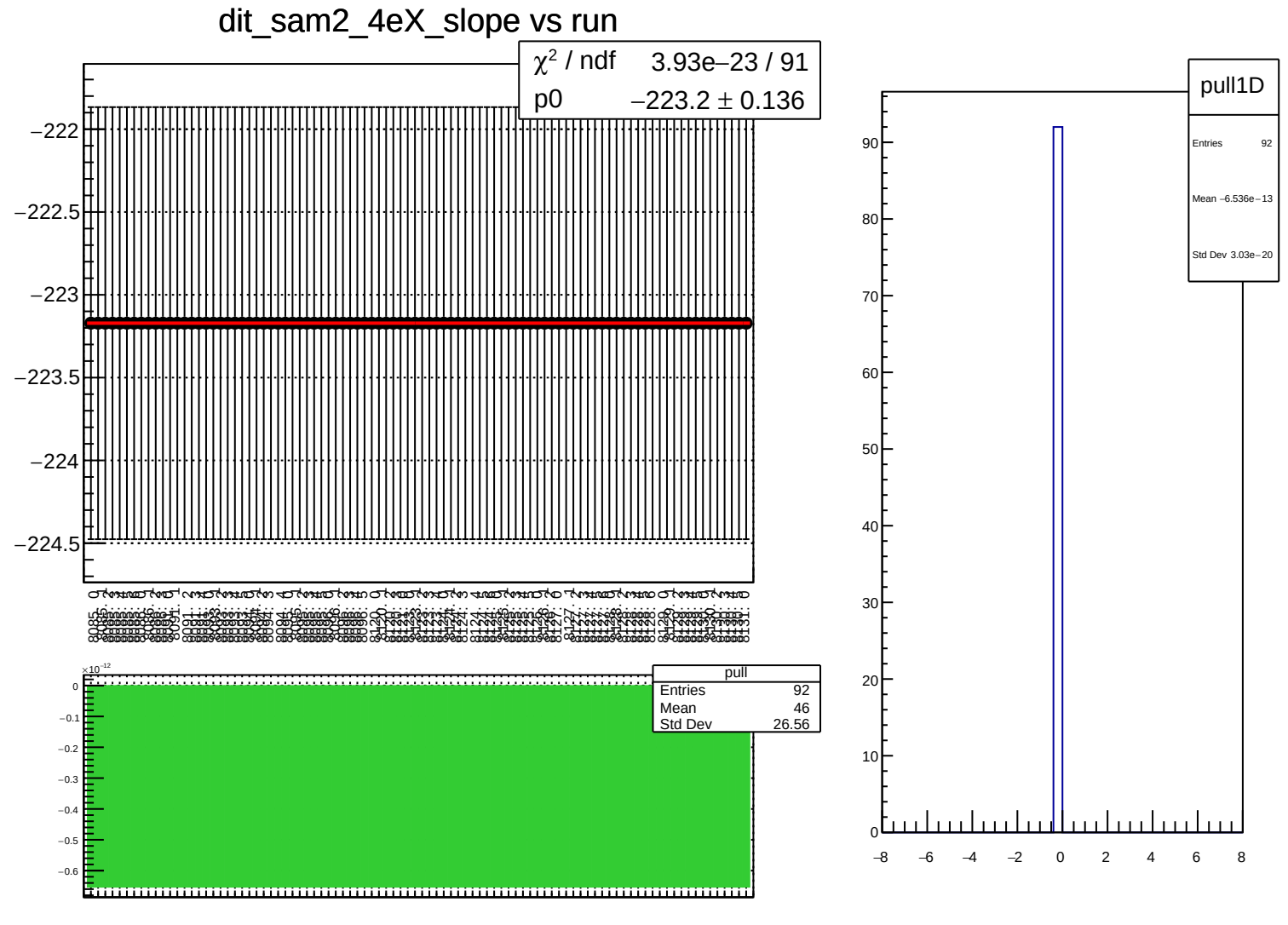

dit_sam1_4aY_slope vs run
χ² / ndf 6.654e−25 / 91
p0 −52.9 ± 0.05226
−52.4
−52.6
−52.8
−53
−53.2
−53.4
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
pull1D
Entries 92
Mean 8.505e−14
Std Dev2.396e−21

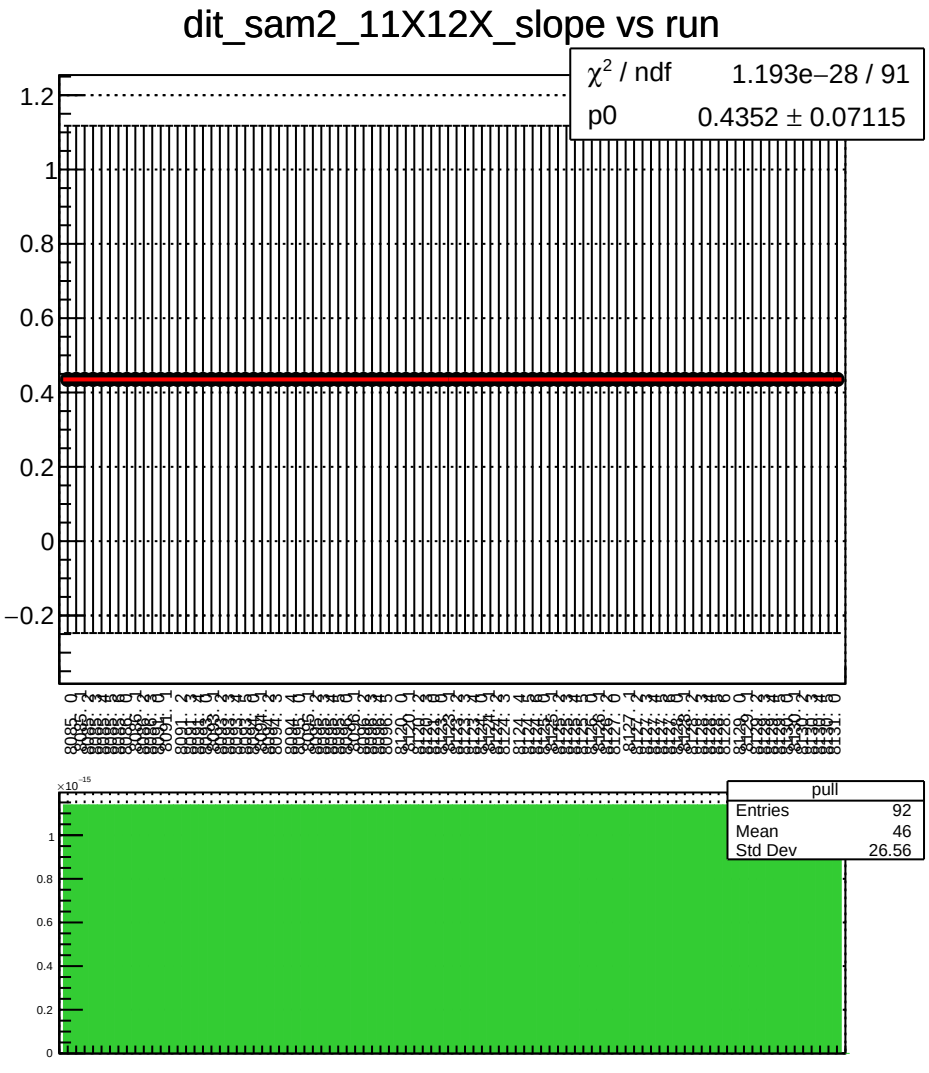

dit_sam1_4eY_slope vs run
χ² / ndf 1.176e−26 / 91
p0 7.041 ± 0.04095
pull
Entries 92
Mean 46
Std Dev 26.56

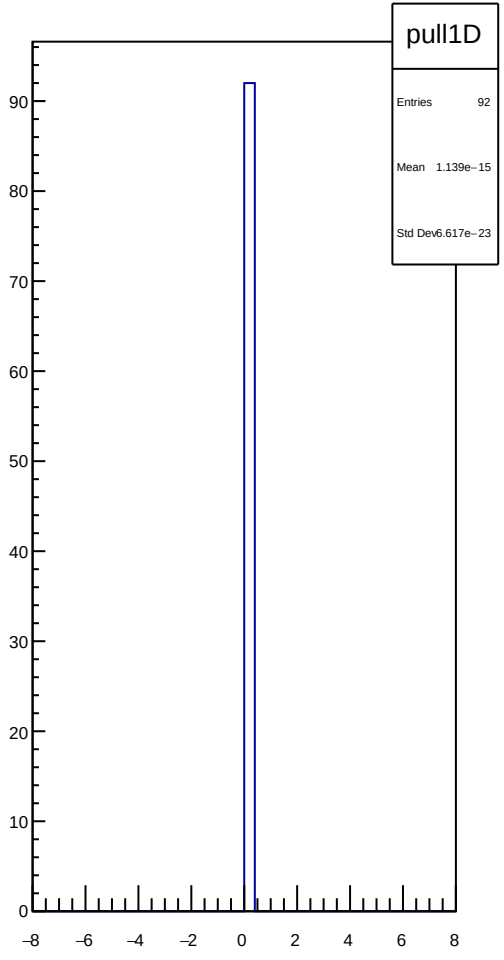

pull1D
Entries 92
Mean −1.131e−14
Std Dev 7.78e−22

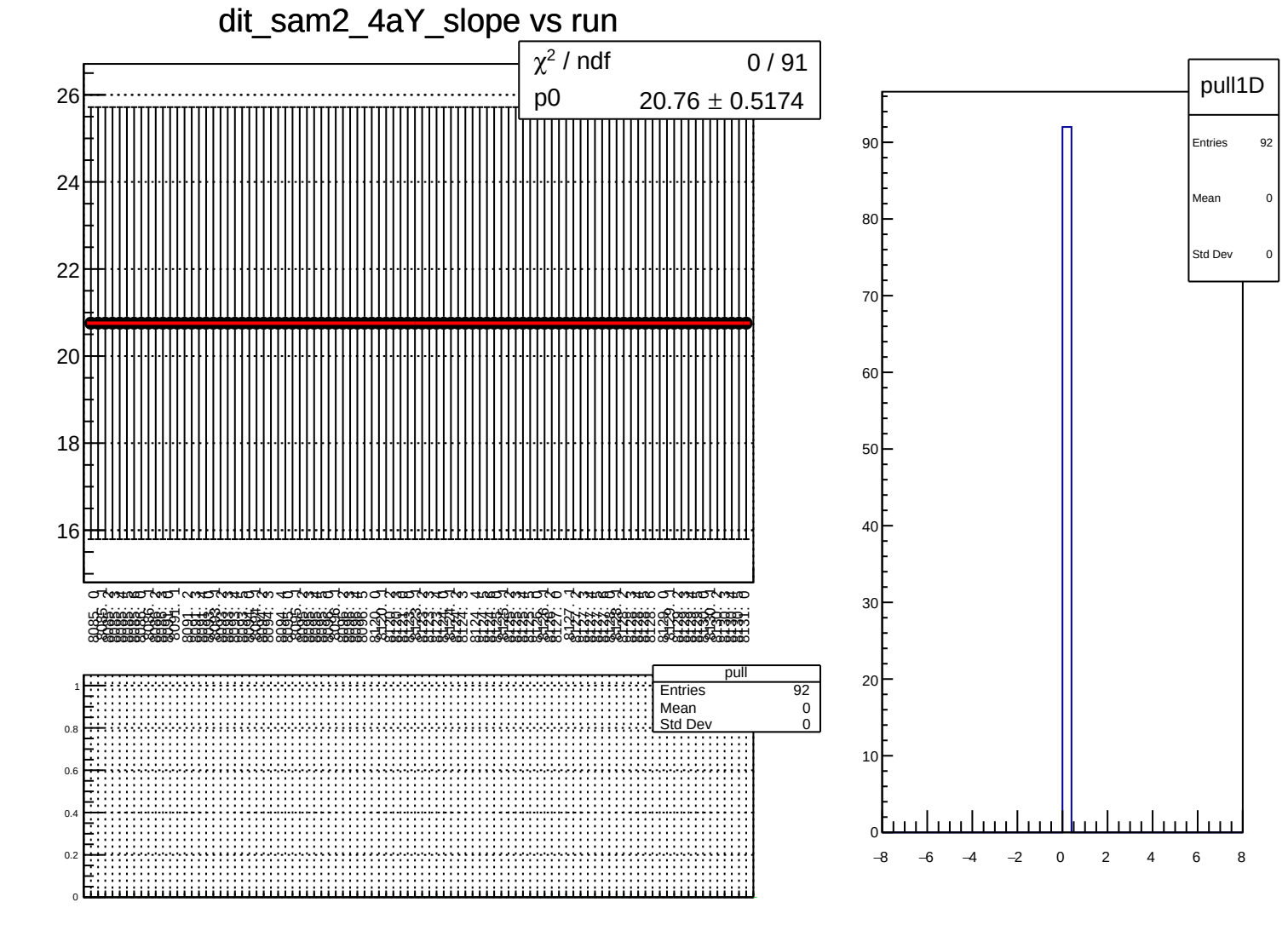

dit_sam2_4aX_slope vs run
χ² / ndf 8.068e−27 / 91
p0 7.28 ± 0.2769
pull
Entries 92
Mean 46
Std Dev 26.56

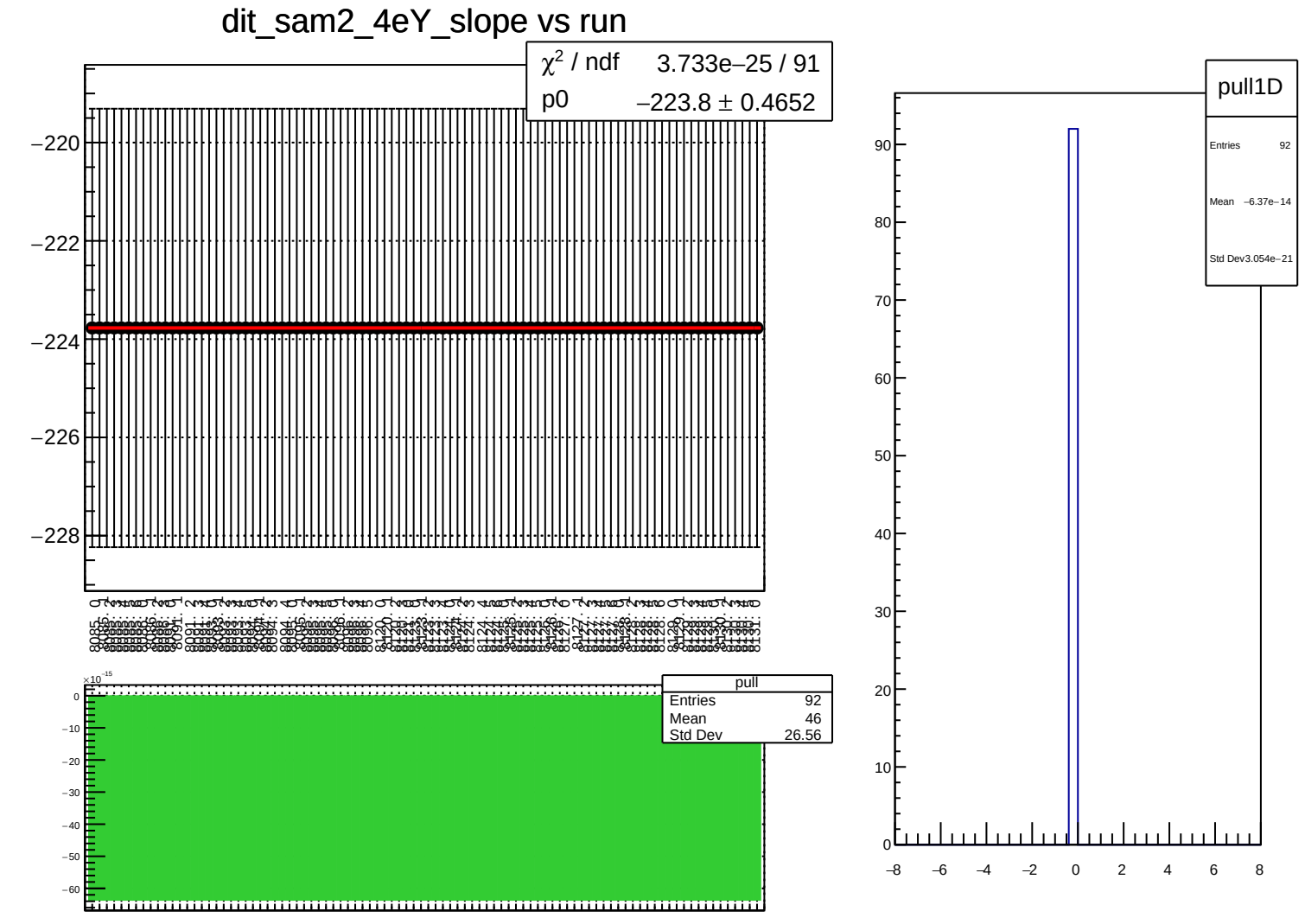

pull1D
Entries 92
Mean −9.365e−15
Std Dev1.059e−22

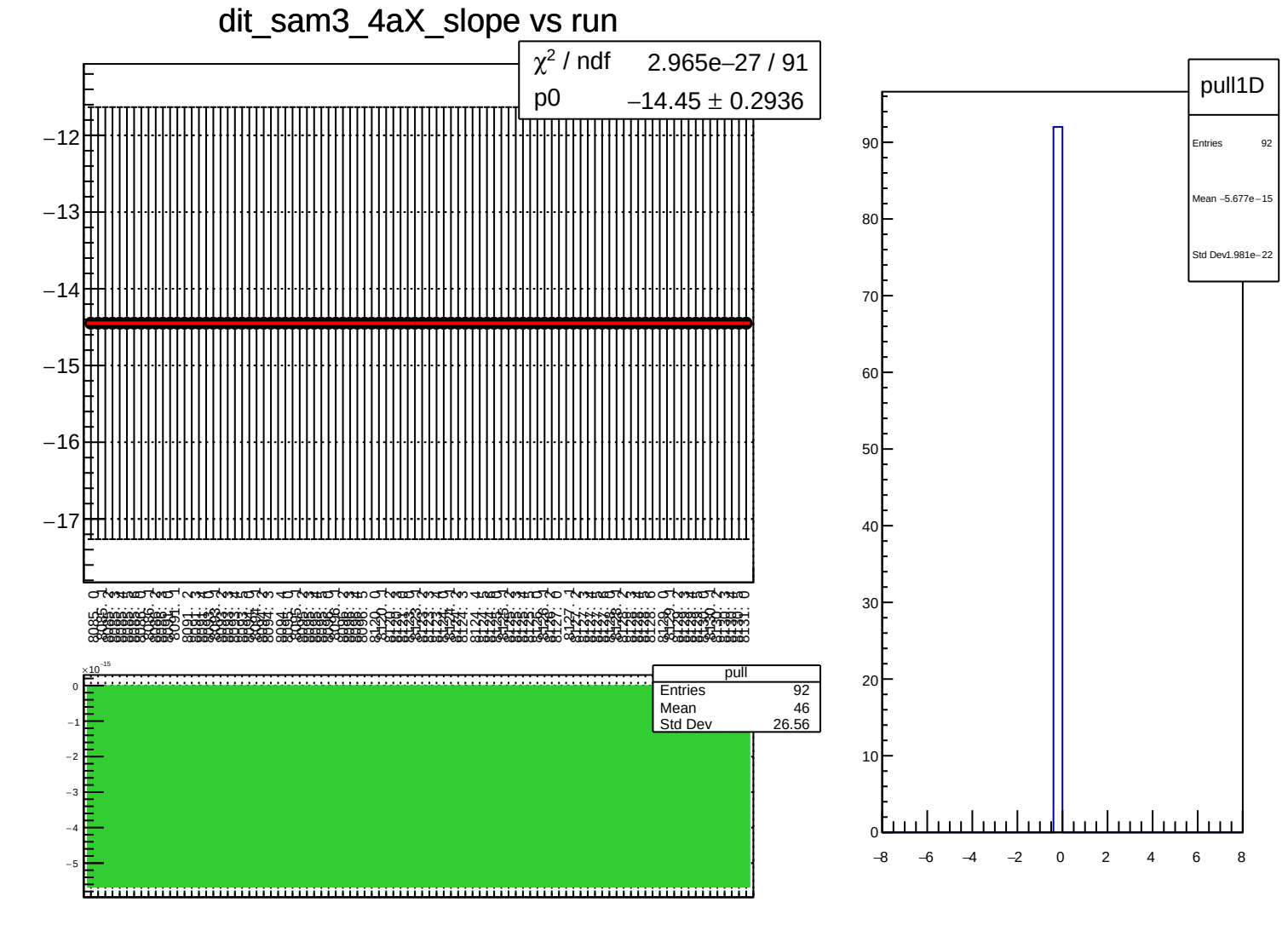

dit_sam2_4eX_slope vs run
χ² / ndf 3.93e−23 / 91
p0 −223.2 ± 0.136
−222
−222.5
−223
−223.5
−224
−224.5
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 92
Mean −6.536e−13
Std Dev 3.03e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

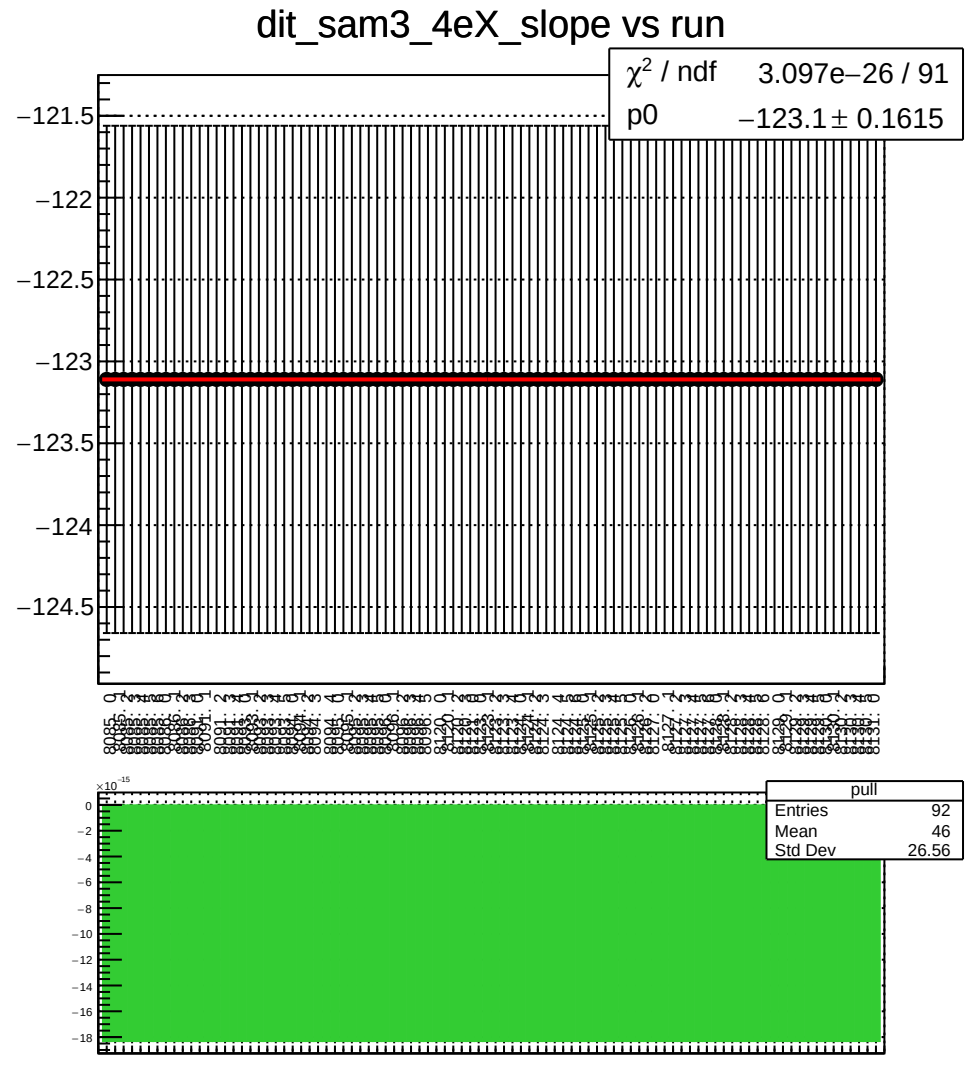

dit_sam2_11X12X_slope vs run
χ² / ndf 1.193e−28 / 91
p0 0.4352 ± 0.07115
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵

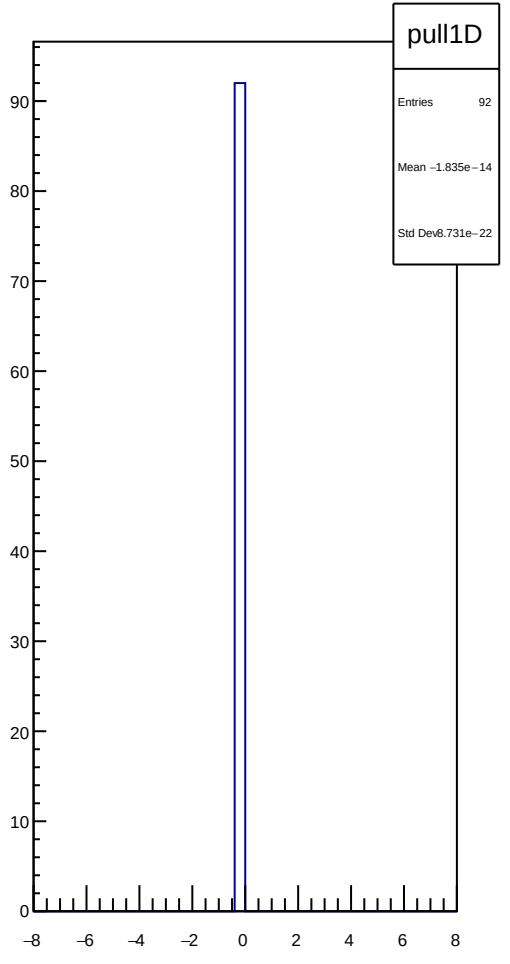

pull1D
Entries 92
Mean 1.139e−15
Std Dev 6.617e−23

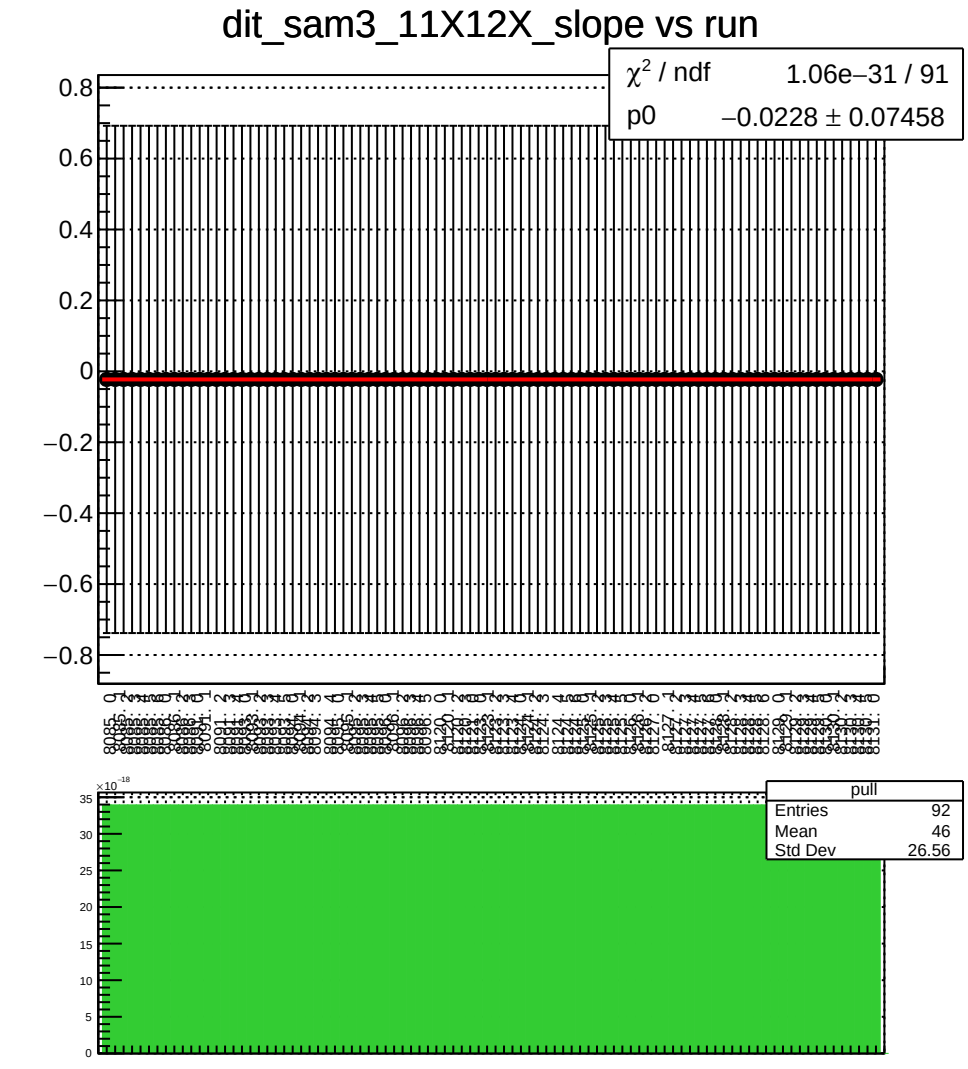

dit_sam2_4aY_slope vs run
χ^2 / ndf 0 / 91
p0 20.76 ± 0.5174
pull
Entries 92
Mean 0
Std Dev 0
pull1D
Entries 92
Mean 0
Std Dev 0

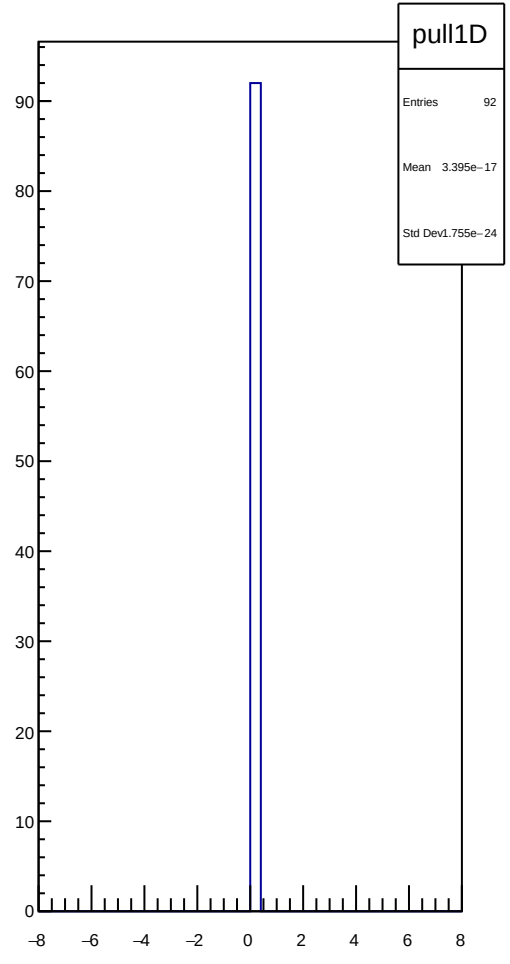

dit_sam2_4eY_slope vs run
χ² / ndf 3.733e−25 / 91
p0 −223.8 ± 0.4652
−220
−222
−224
−226
−228
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 92
Mean −6.37e−14
Std Dev3.054e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

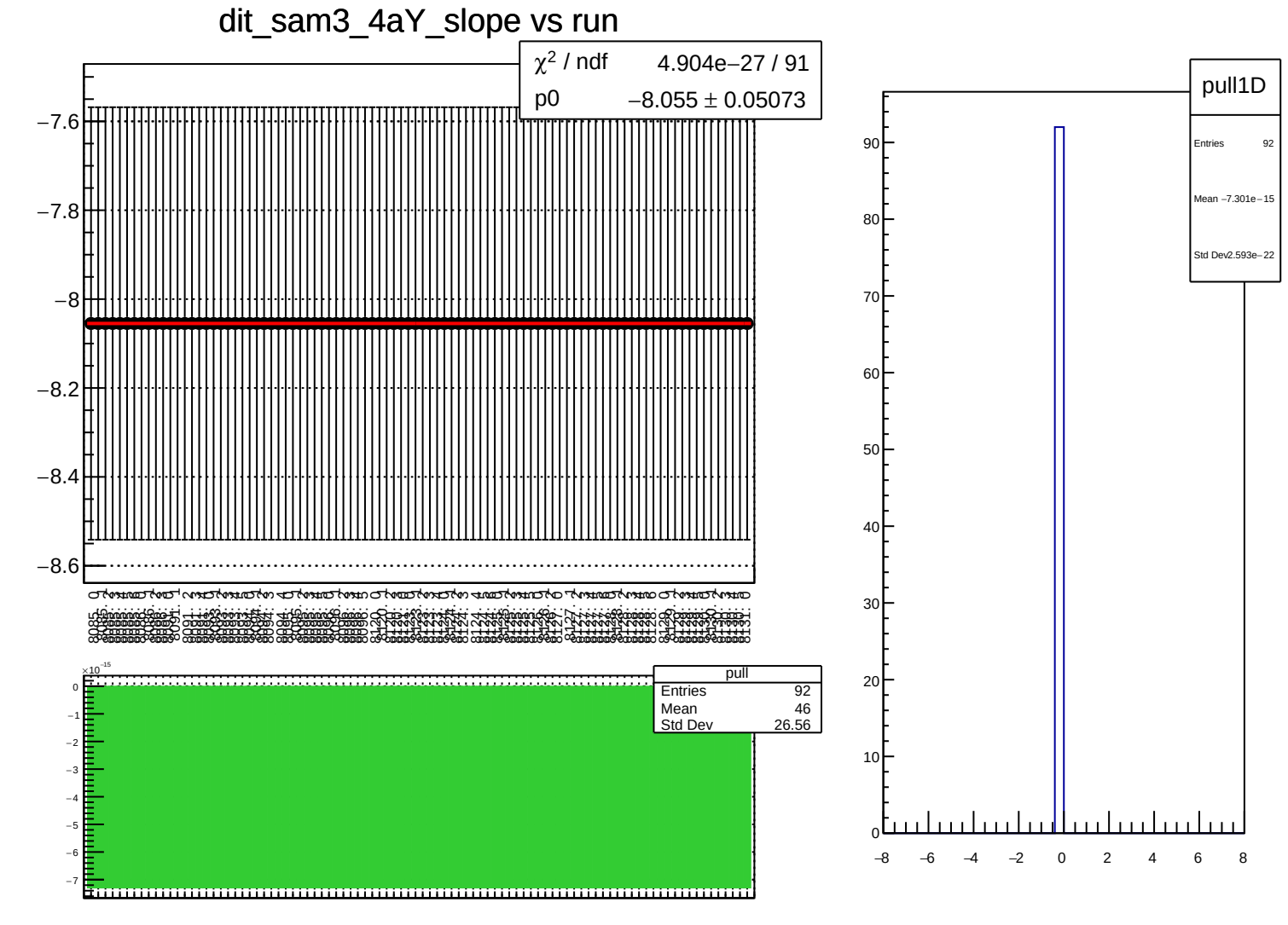

dit_sam3_4aX_slope vs run
χ² / ndf 2.965e−27 / 91
p0 −14.45 ± 0.2936
−12
−13
−14
−15
−16
−17
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull1D
Entries 92
Mean −5.677e−15
Std Dev1.981e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

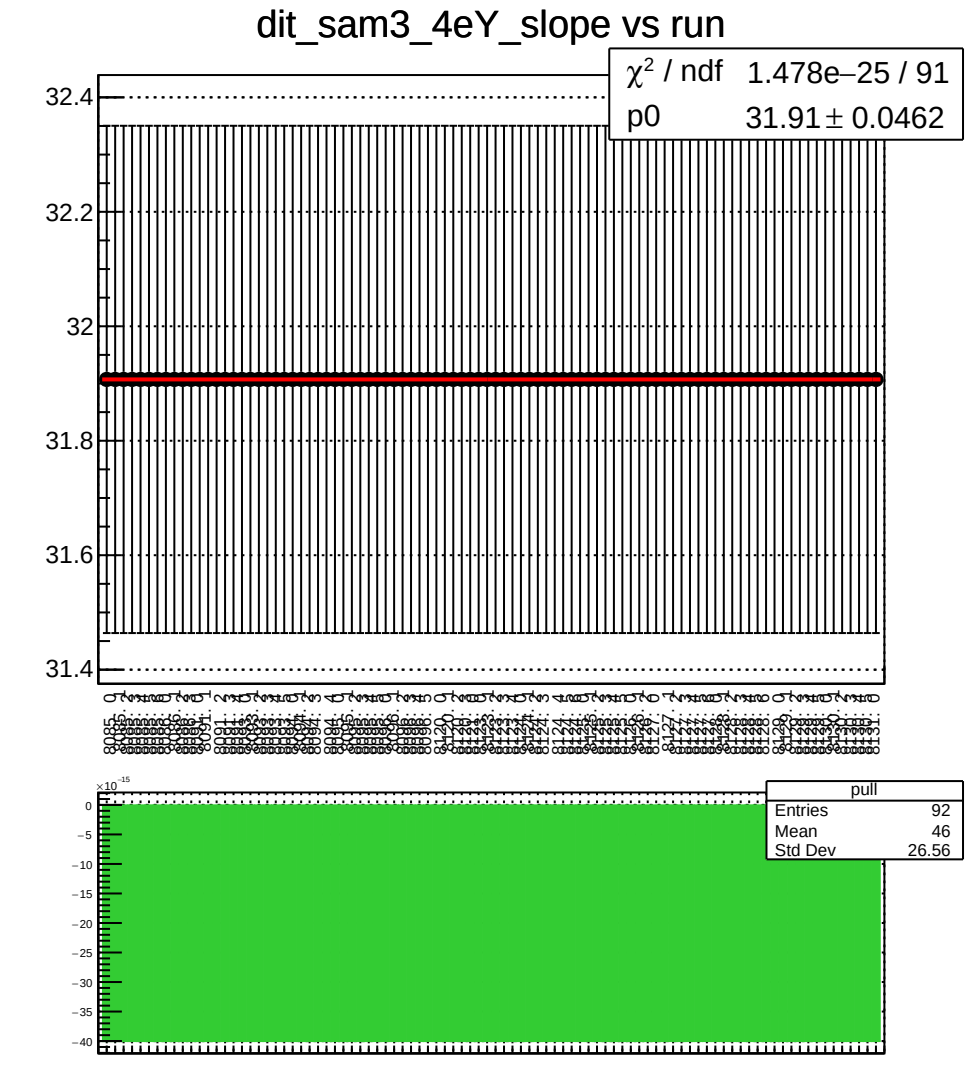

dit_sam3_4eX_slope vs run
χ² / ndf 3.097e−26 / 91
p0 −123.1 ± 0.1615
−121.5
−122
−122.5
−123
−123.5
−124
−124.5
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

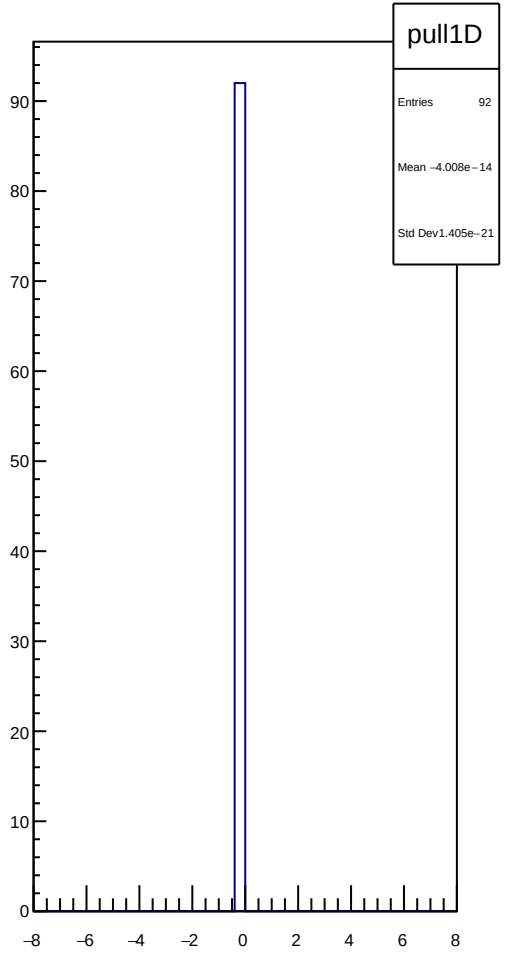

pull1D
Entries 92
Mean −1.835e−14
Std Dev 8.731e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

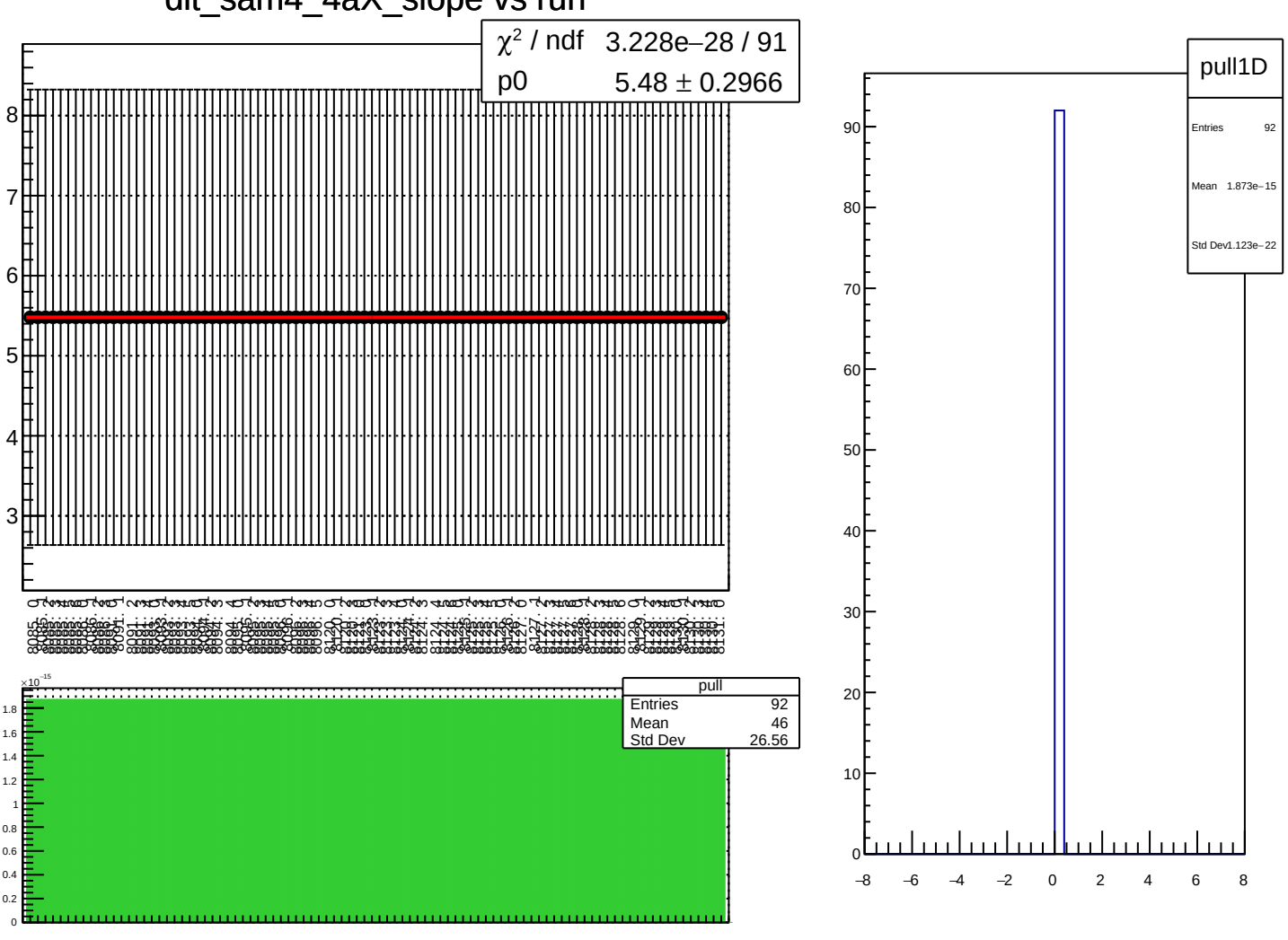

dit_sam3_11X12X_slope vs run
χ² / ndf 1.06e−31 / 91
p0 −0.0228 ± 0.07458
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁸

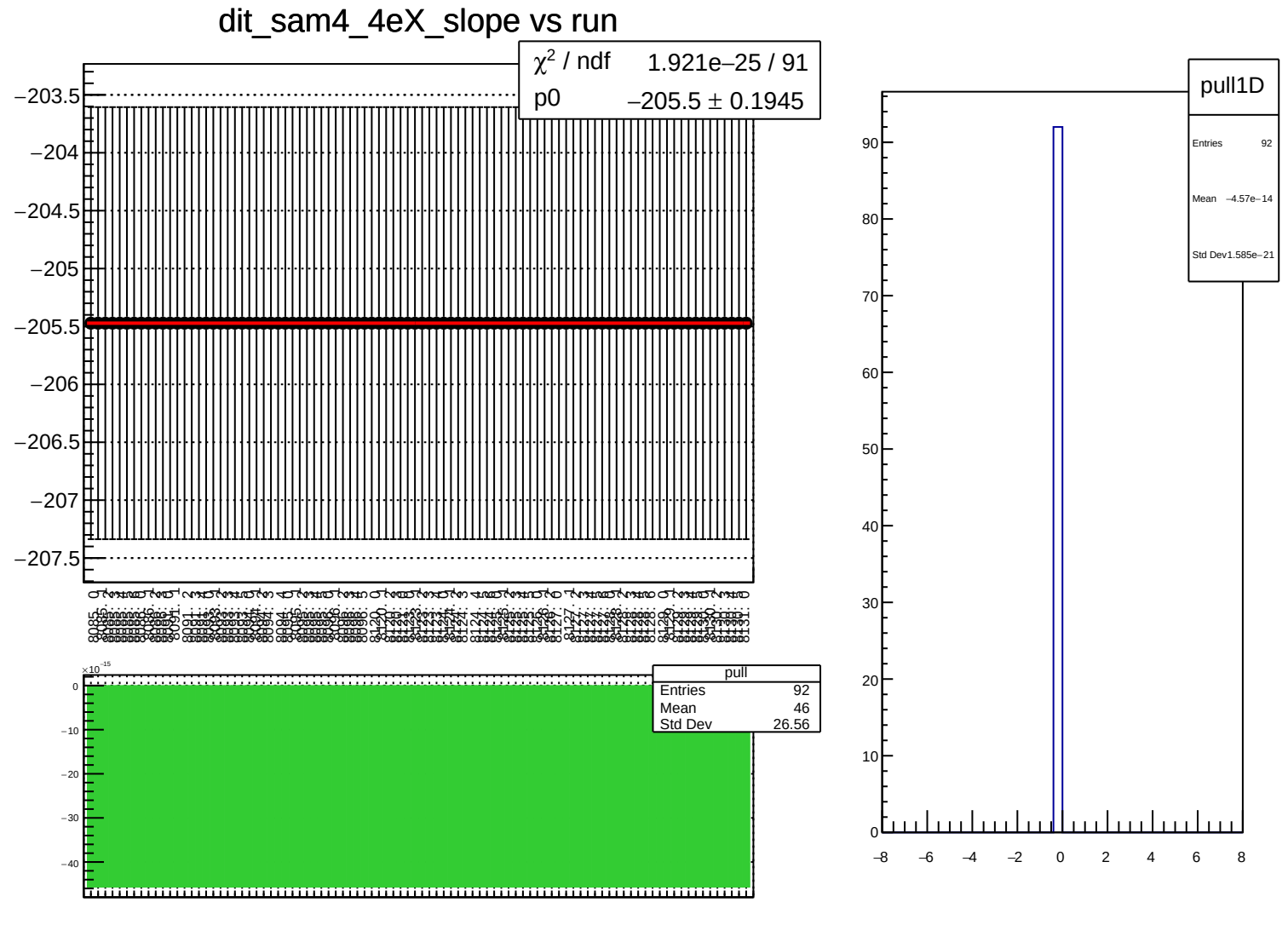

pull1D
Entries 92
Mean 3.395e−17
Std Dev1.755e−24

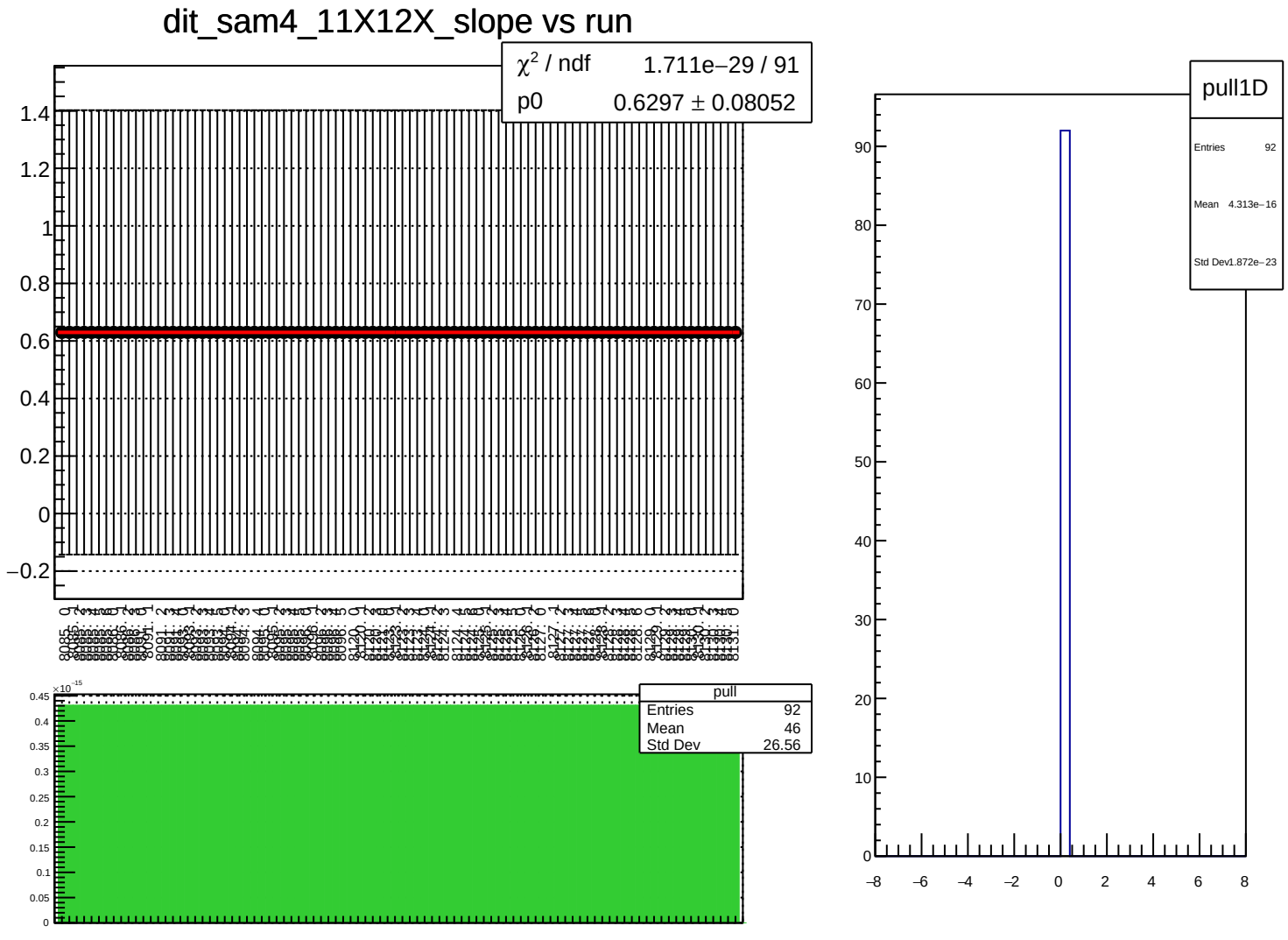

dit_sam3_4aY_slope vs run
χ² / ndf 4.904e−27 / 91
p0 −8.055 ± 0.05073
−7.6
−7.8
−8
−8.2
−8.4
−8.6
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
pull1D
Entries 92
Mean −7.301e−15
Std Dev 2.593e−22

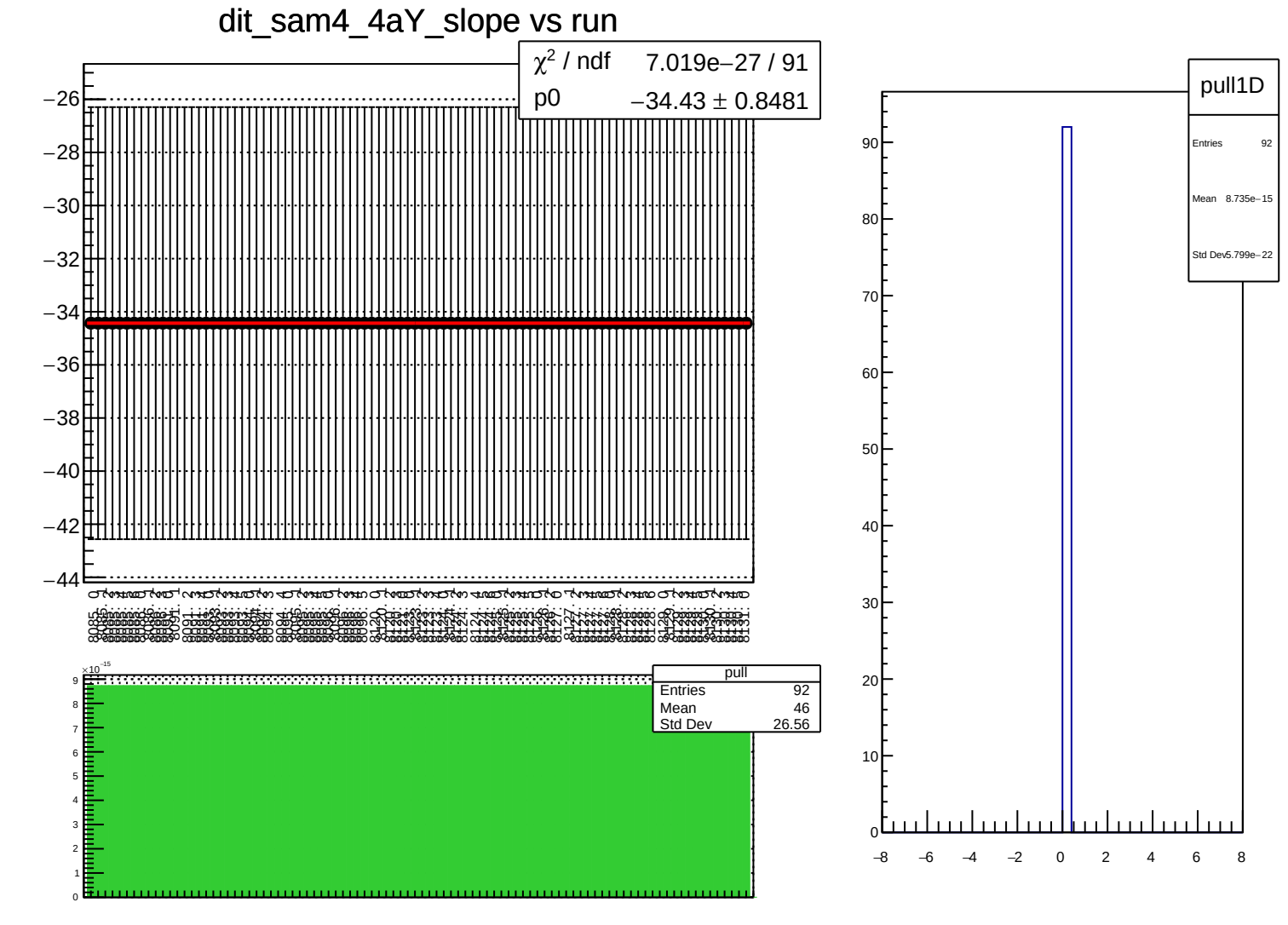

dit_sam3_4eY_slope vs run
χ² / ndf 1.478e−25 / 91
p0 31.91 ± 0.0462
32.4
32.2
32
31.8
31.6
31.4
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

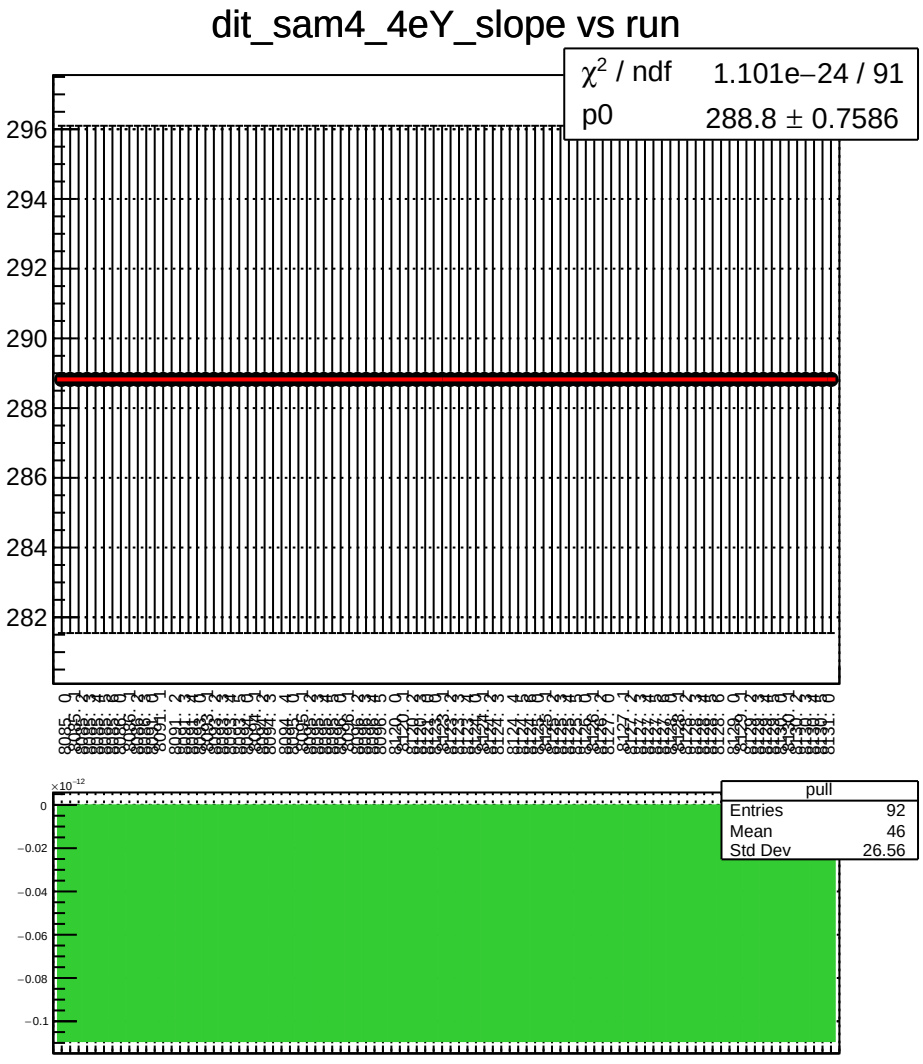

pull1D
Entries 92
Mean −4.008e−14
Std Dev1.405e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

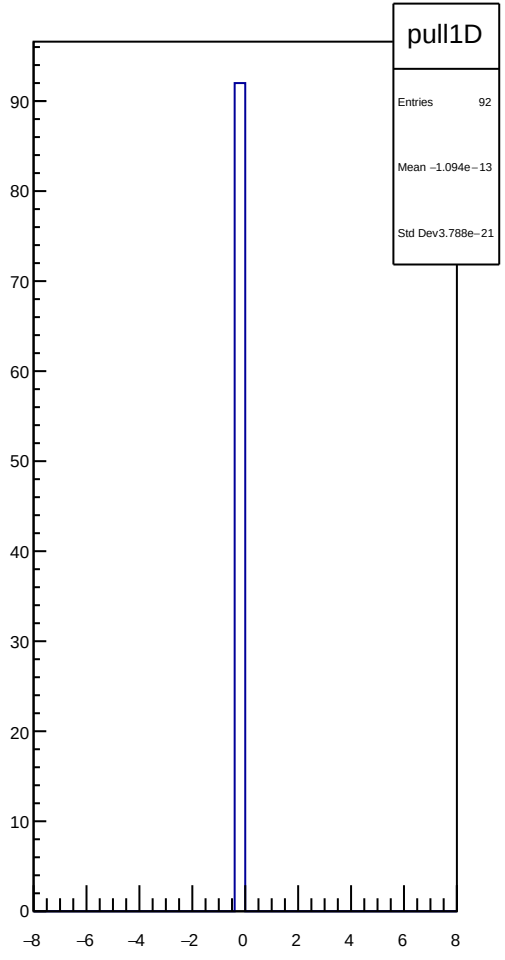

dit_sam4_4aX_slope vs run
χ² / ndf 3.228e−28 / 91
p0 5.48 ± 0.2966
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 1.873e−15
Std Dev1.123e−22

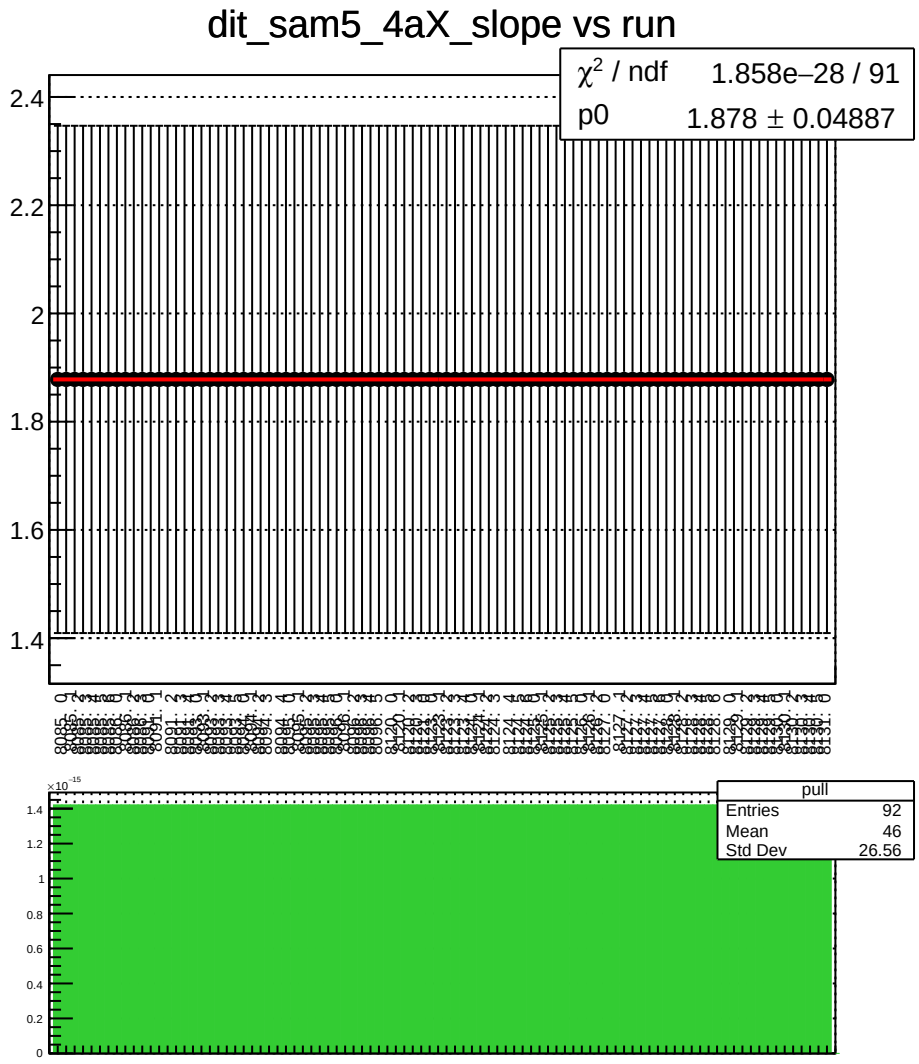

dit_sam4_4eX_slope vs run
χ² / ndf 1.921e−25 / 91
p0 −205.5 ± 0.1945
−203.5
−204
−204.5
−205
−205.5
−206
−206.5
−207
−207.5
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 92
Mean −4.57e−14
Std Dev1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

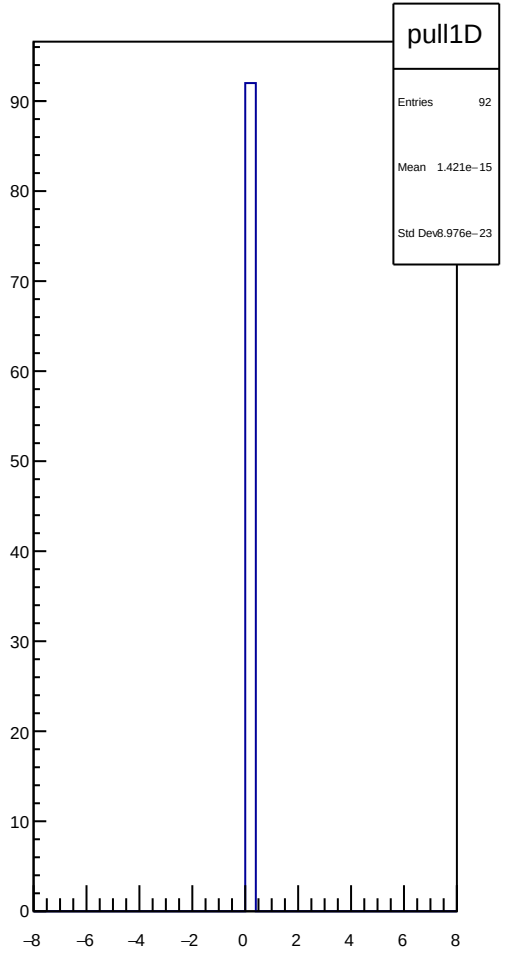

dit_sam4_11X12X_slope vs run
χ² / ndf 1.711e−29 / 91
p0 0.6297 ± 0.08052
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 4.313e−16
Std Dev1.872e−23

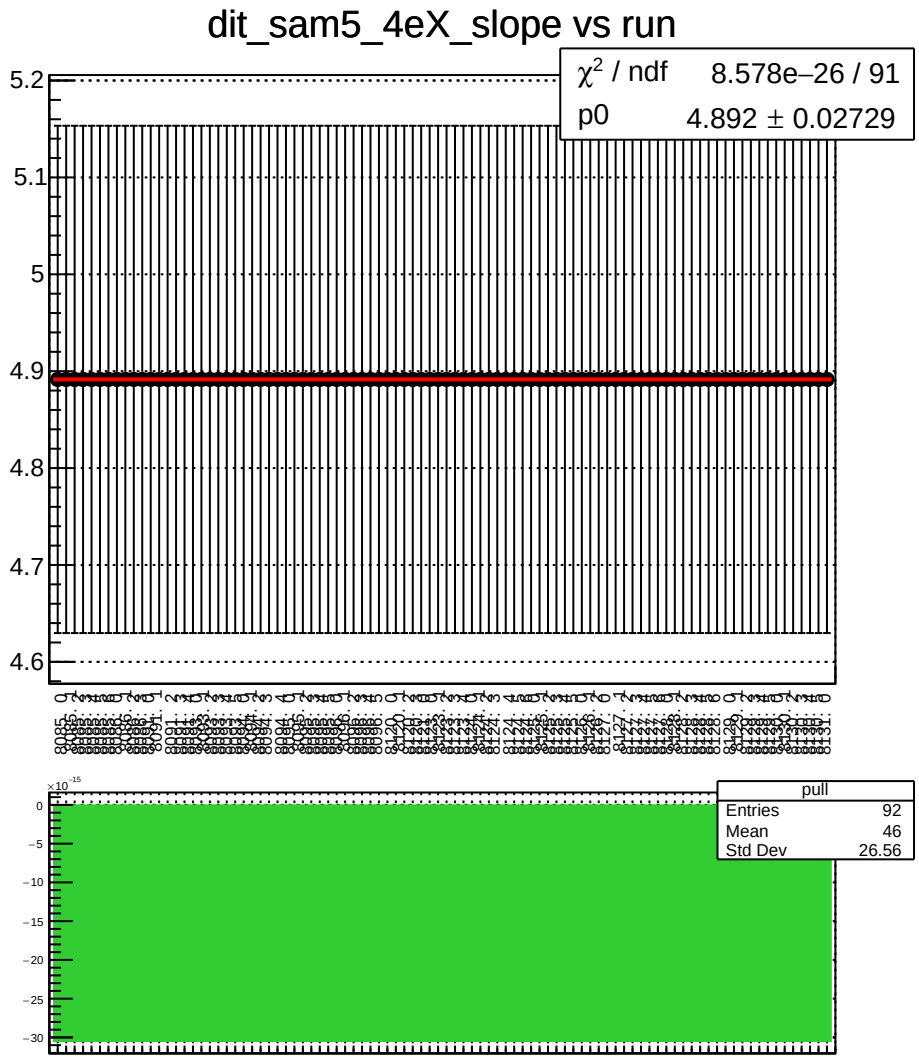

dit_sam4_4aY_slope vs run
χ² / ndf 7.019e−27 / 91
p0 −34.43 ± 0.8481
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 8.735e−15
Std Dev 5.799e−22

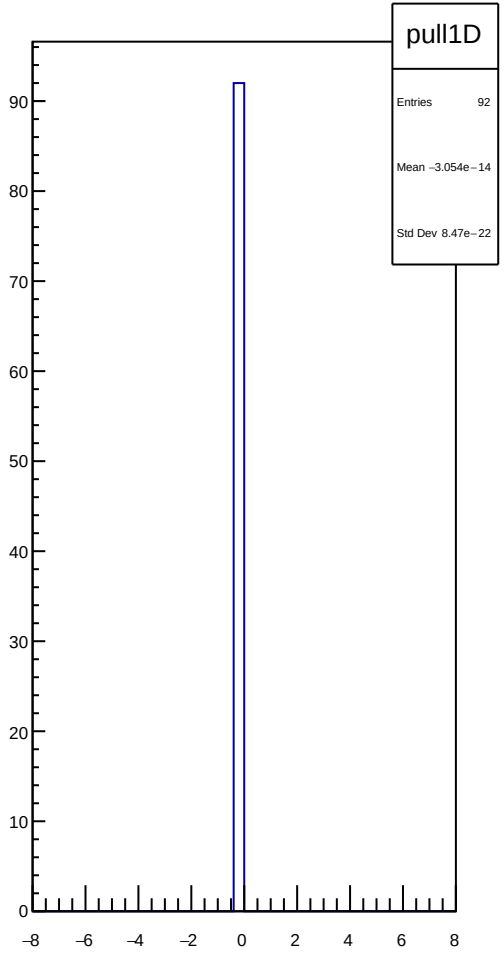

dit_sam4_4eY_slope vs run
χ² / ndf 1.101e−24 / 91
p0 288.8 ± 0.7586
296
294
292
290
288
286
284
282
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 92
Mean 46
Std Dev 26.56

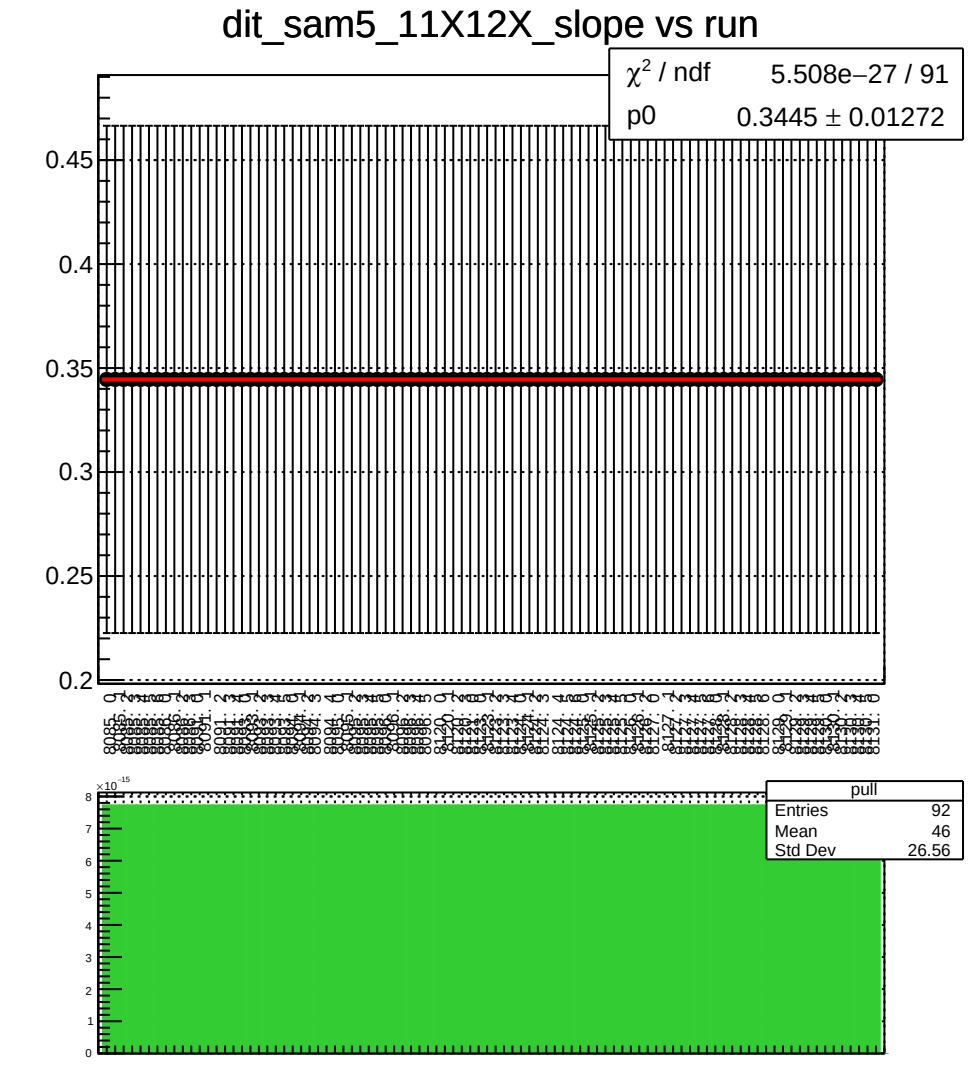

pull1D
Entries 92
Mean −1.094e−13
Std Dev3.788e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

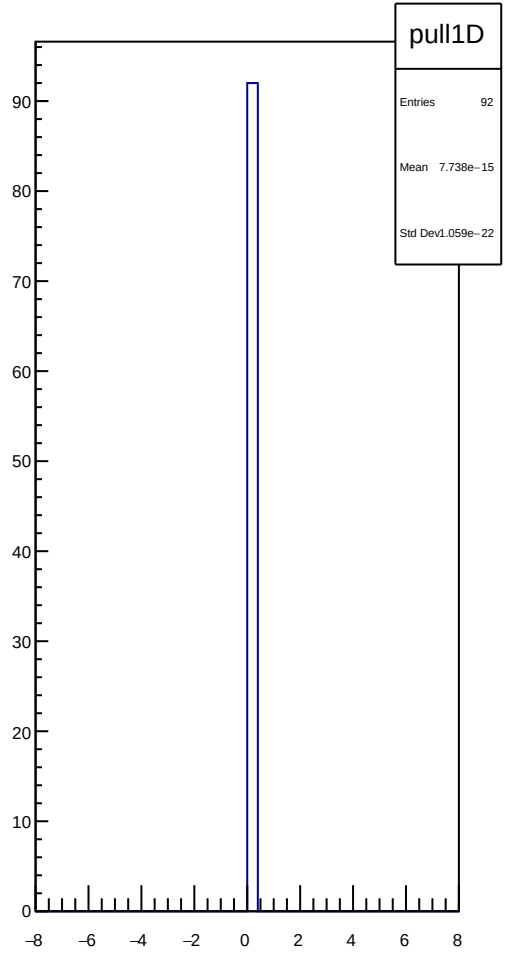

dit_sam5_4aX_slope vs run
χ² / ndf 1.858e−28 / 91
p0 1.878 ± 0.04887
2.4
2.2
2
1.8
1.6
1.4
×10⁻¹⁵
pull
Entries 92
Mean 46
Std Dev 26.56

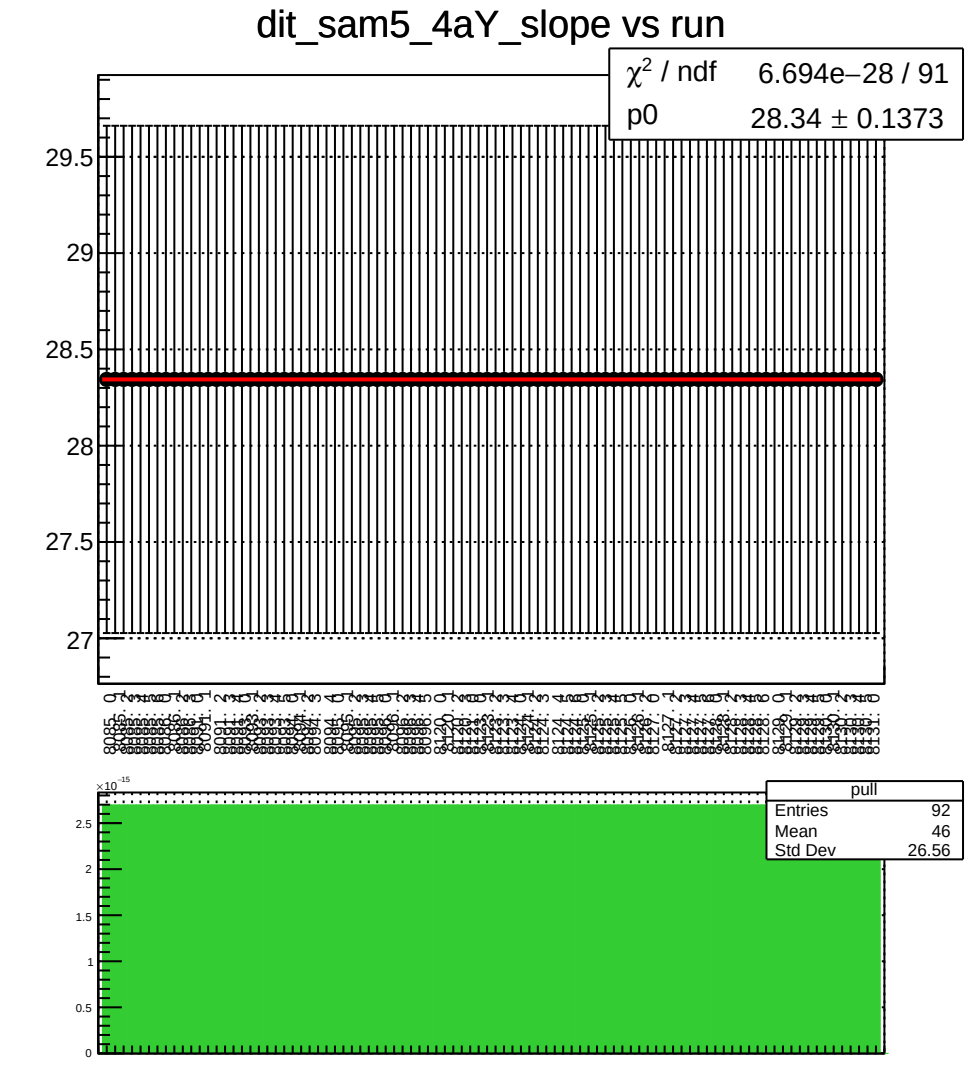

pull1D
Entries 92
Mean 1.421e−15
Std Dev 8.976e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

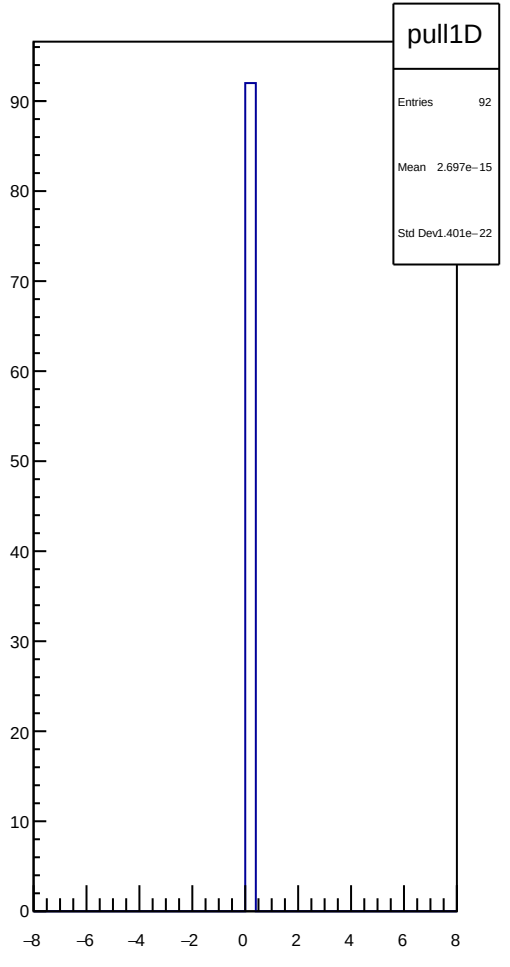

dit_sam5_4eX_slope vs run
χ² / ndf 8.578e−26 / 91
p0 4.892 ± 0.02729
pull
Entries 92
Mean 46
Std Dev 26.56

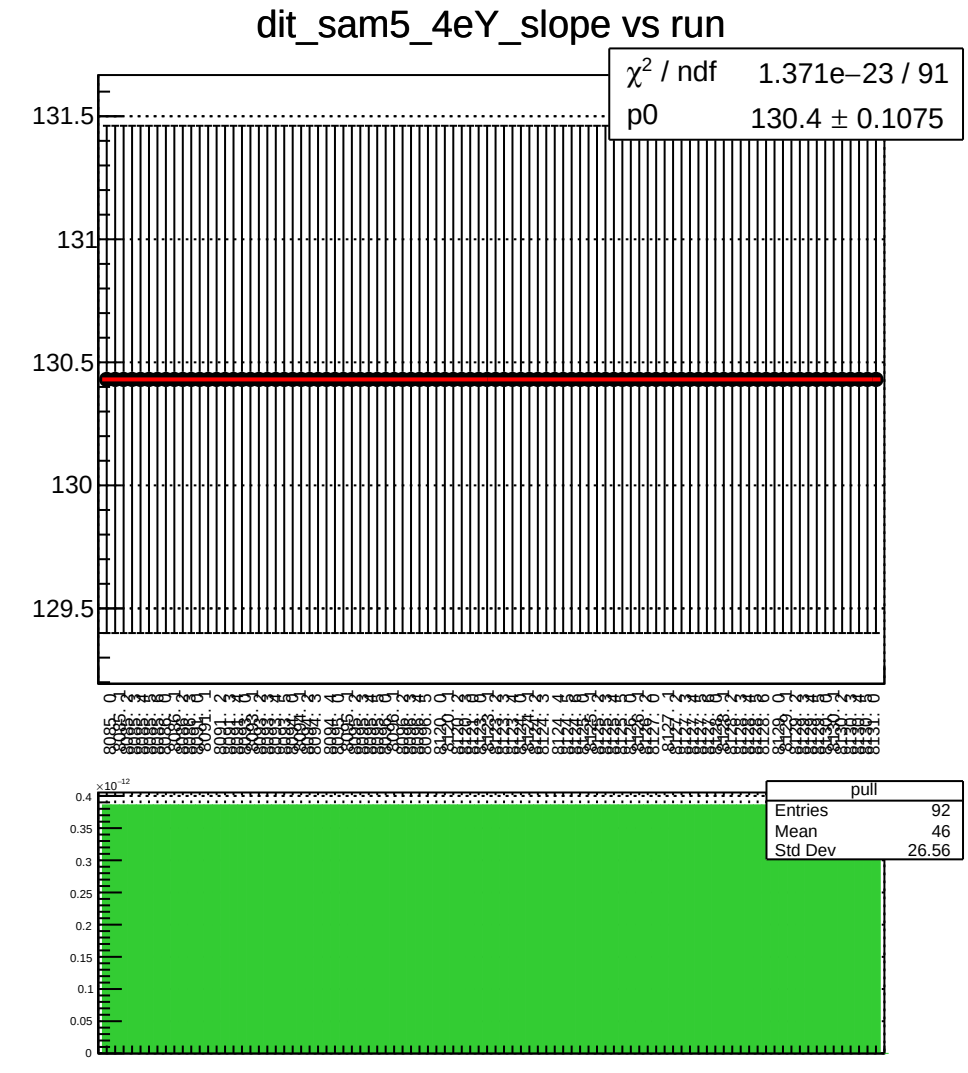

pull1D
Entries 92
Mean −3.054e−14
Std Dev 8.47e−22

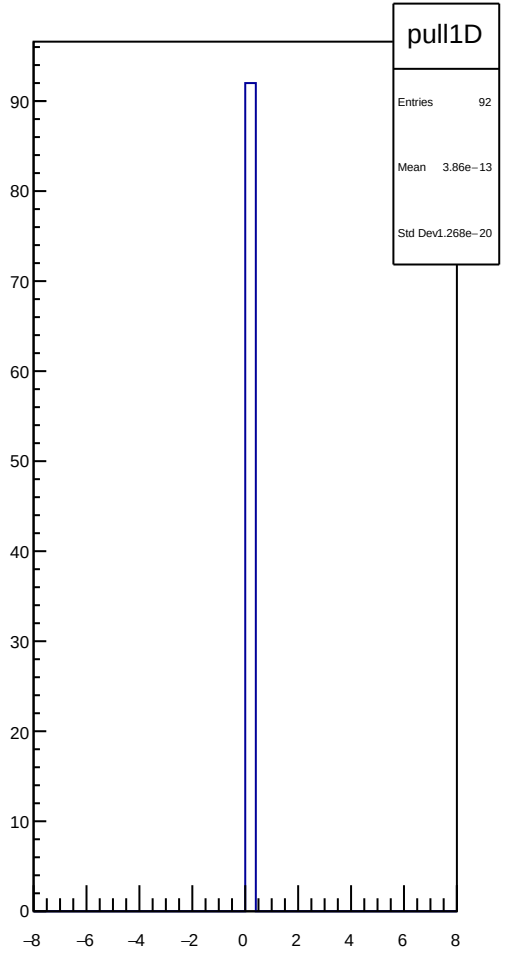

dit_sam5_11X12X_slope vs run
χ² / ndf 5.508e−27 / 91
p0 0.3445 ± 0.01272
0.45
0.4
0.35
0.3
0.25
0.2
×10⁻¹⁵
8
7
6
5
4
3
2
1
0
pull
Entries 92
Mean 46
Std Dev 26.56

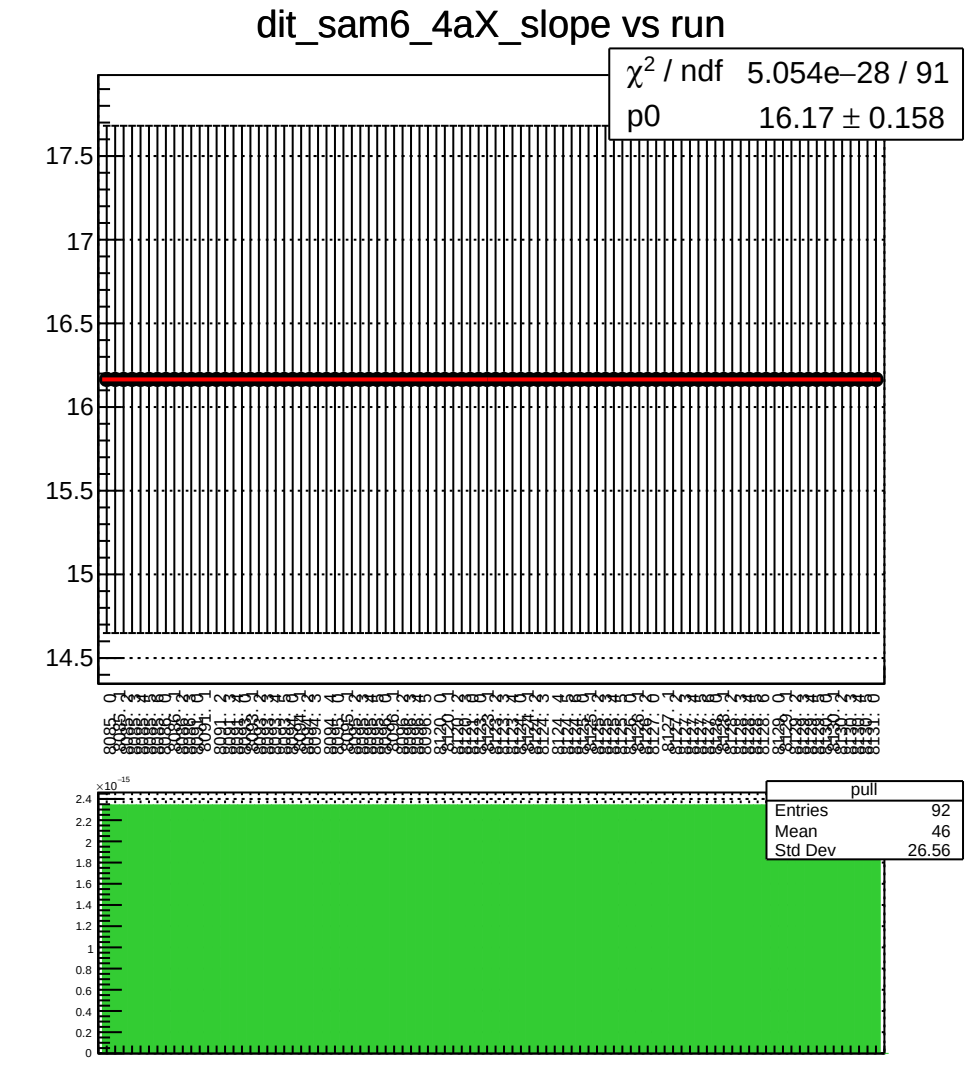

pull1D
Entries 92
Mean 7.738e−15
Std Dev1.059e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

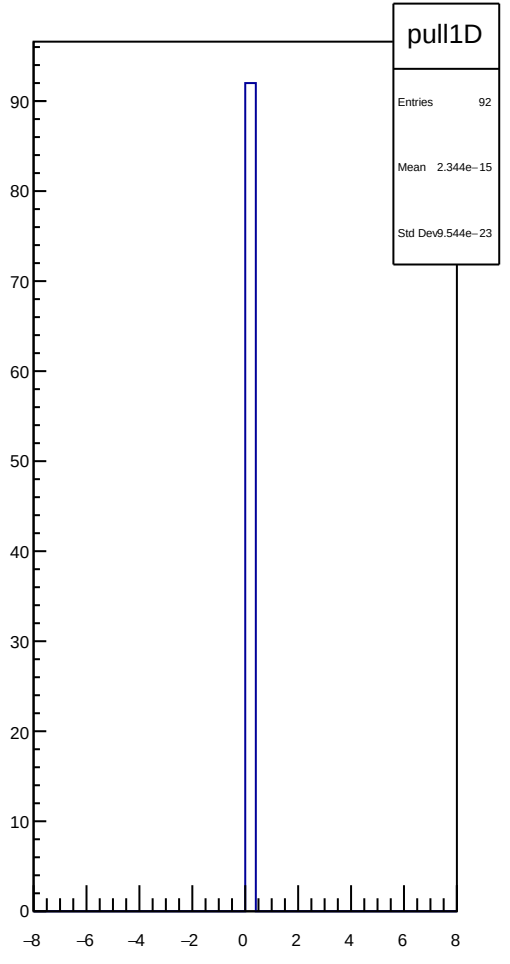

dit_sam5_4aY_slope vs run
χ² / ndf 6.694e−28 / 91
p0 28.34 ± 0.1373
29.5
29
28.5
28
27.5
27
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull
Entries 92
Mean 46
Std Dev 26.56

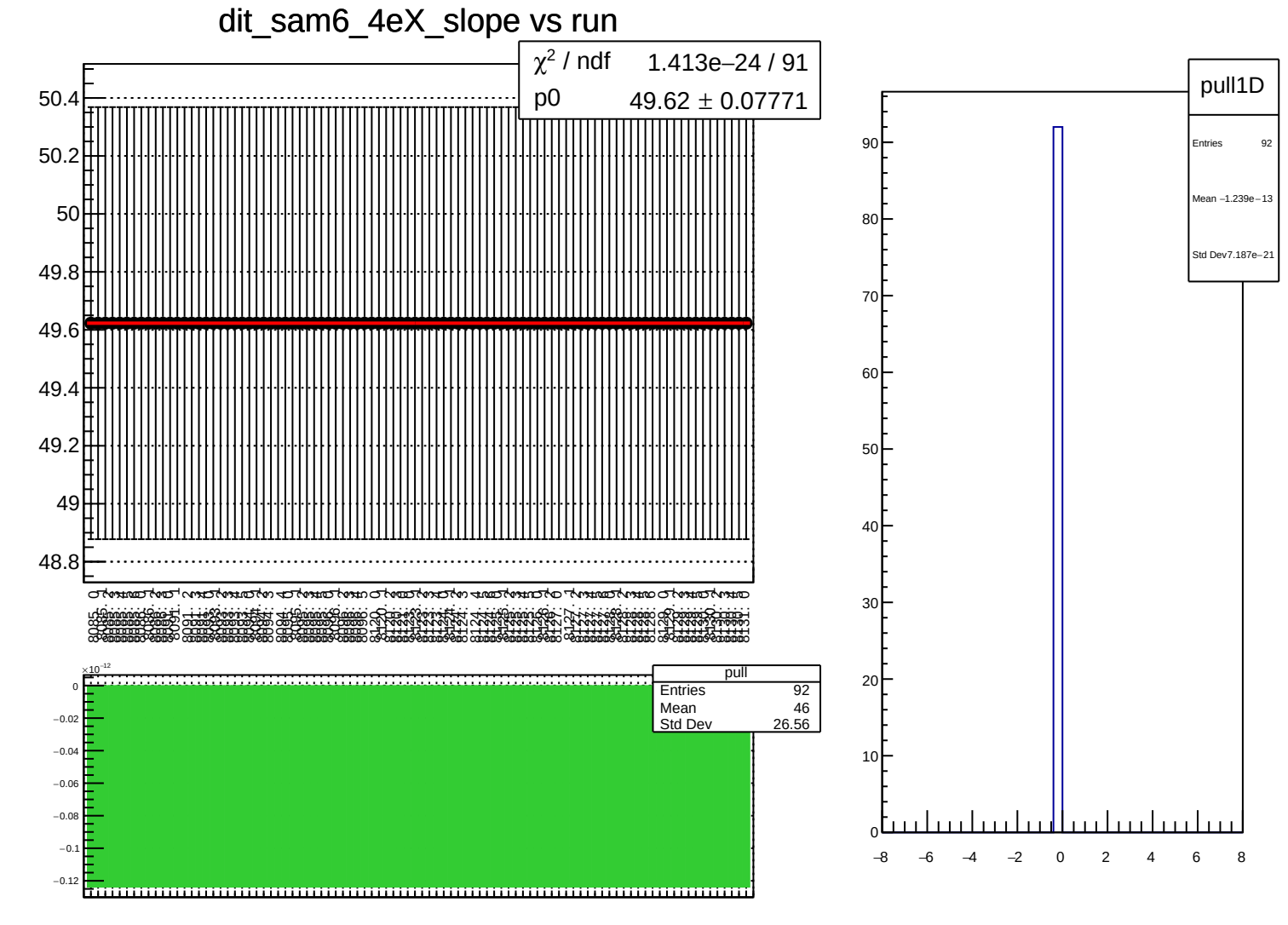

pull1D
Entries 92
Mean 2.697e−15
Std Dev1.401e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

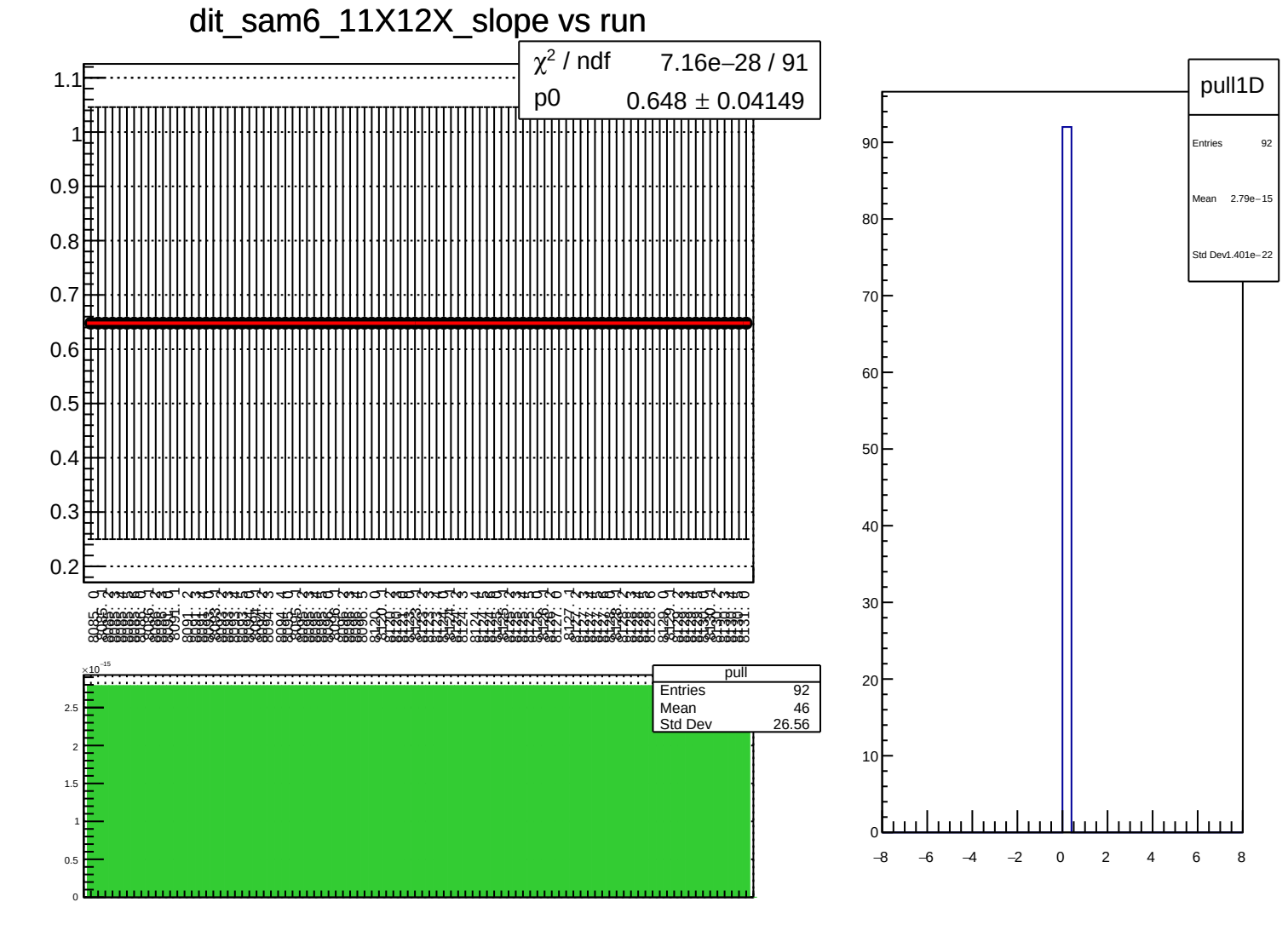

dit_sam5_4eY_slope vs run
χ² / ndf 1.371e−23 / 91
p0 130.4 ± 0.1075
131.5
131
130.5
130
129.5
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 92
Mean 46
Std Dev 26.56

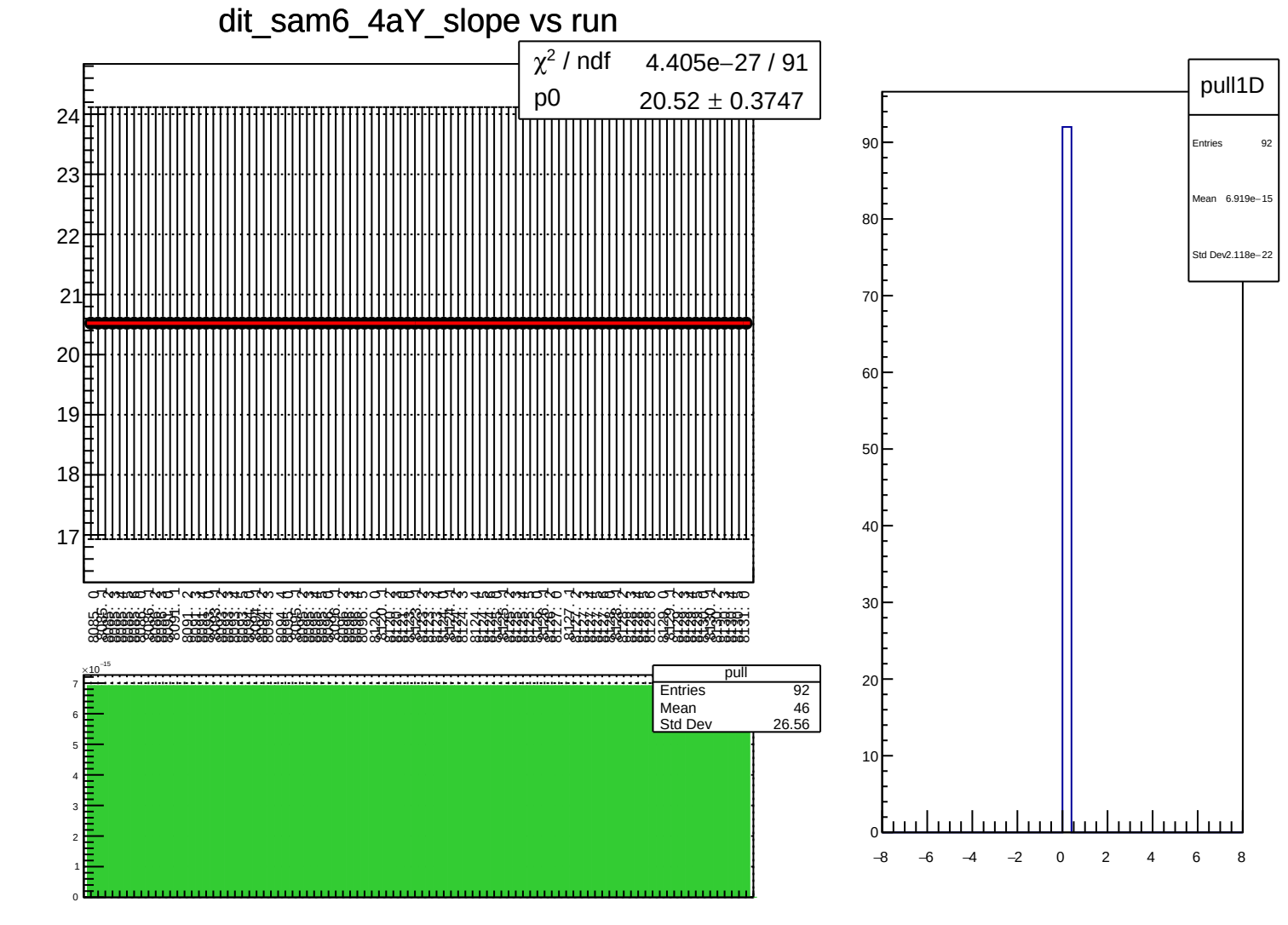

pull1D
Entries 92
Mean 3.86e−13
Std Dev 1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

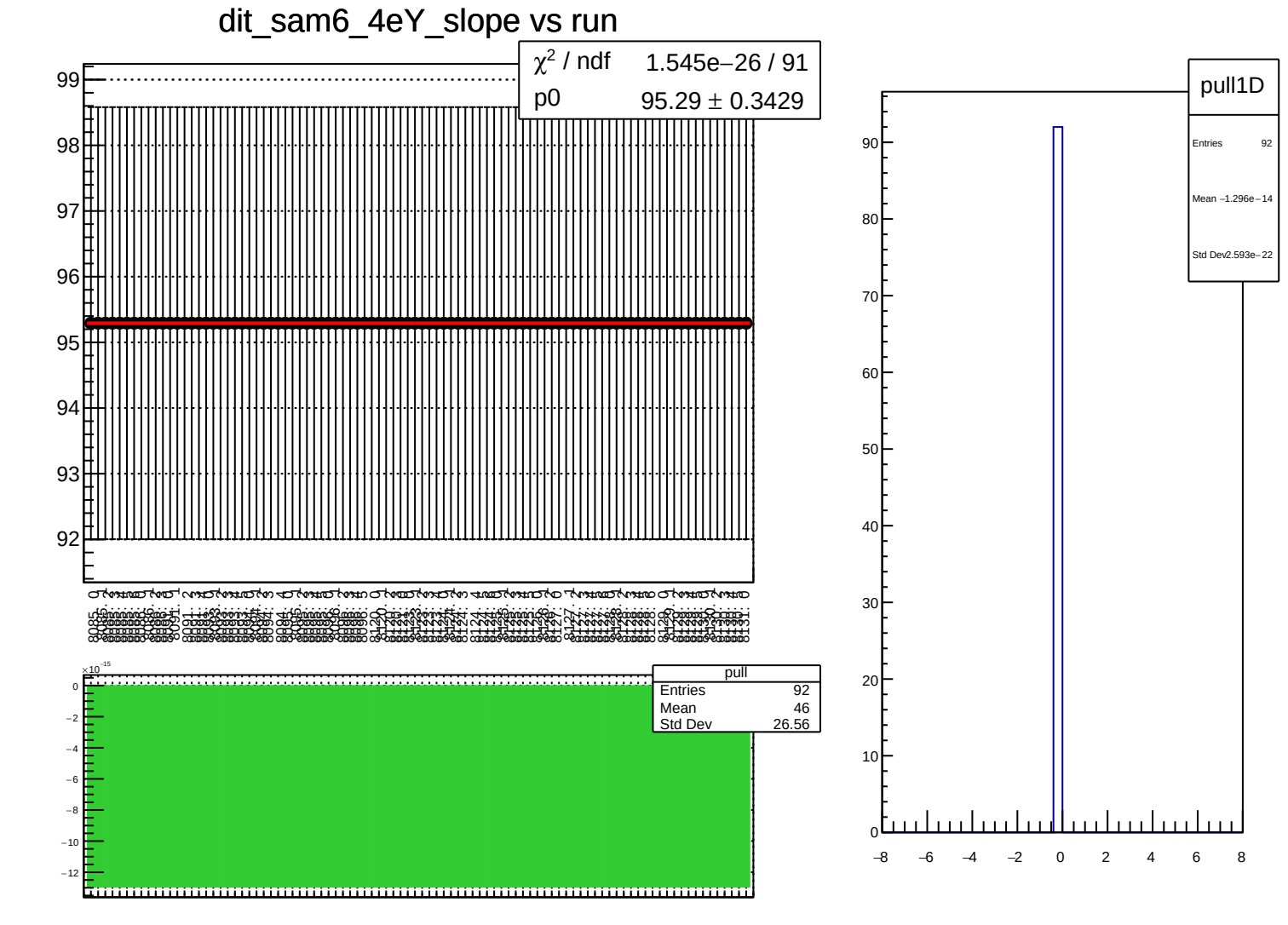

dit_sam6_4aX_slope vs run
χ² / ndf 5.054e−28 / 91
p0 16.17 ± 0.158
17.5
17
16.5
16
15.5
15
14.5
×10⁻¹⁵
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 92
Mean 46
Std Dev 26.56

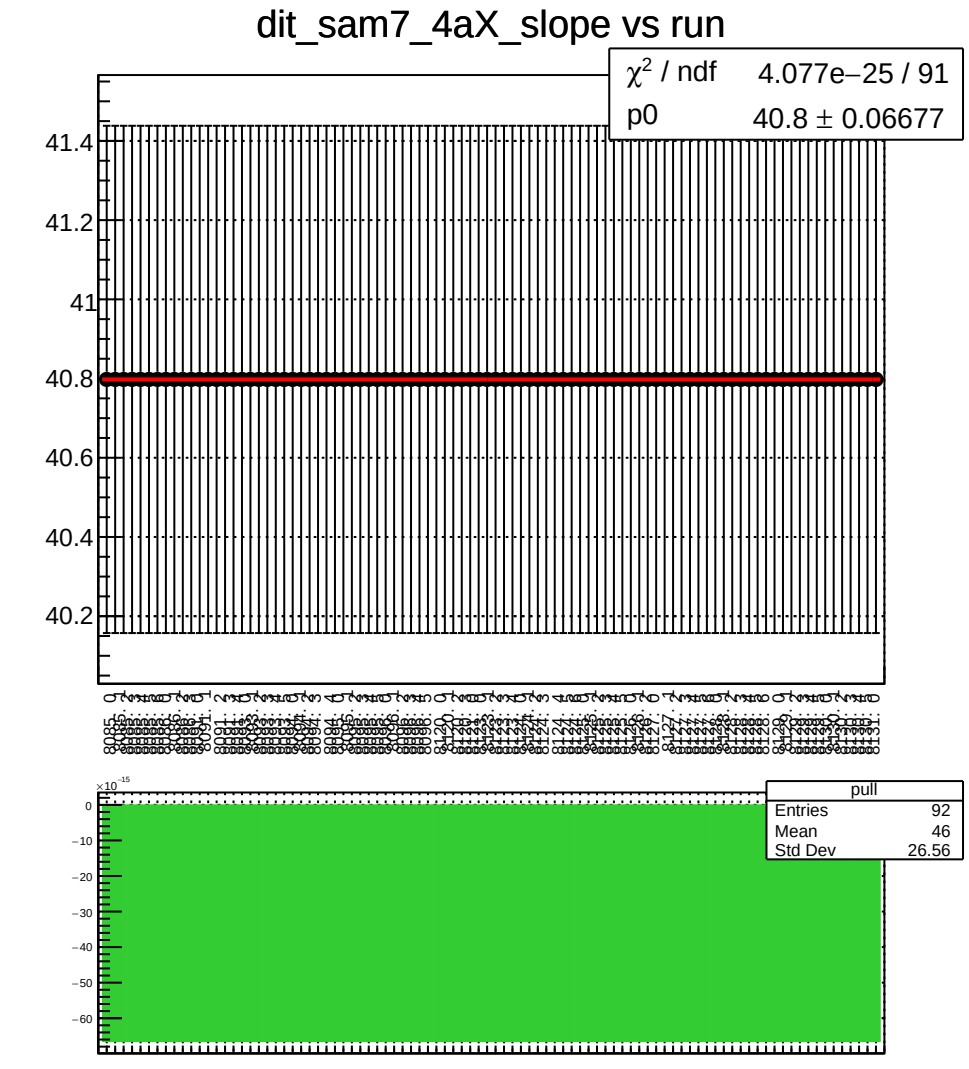

pull1D
Entries 92
Mean 2.344e−15
Std Dev 9.544e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

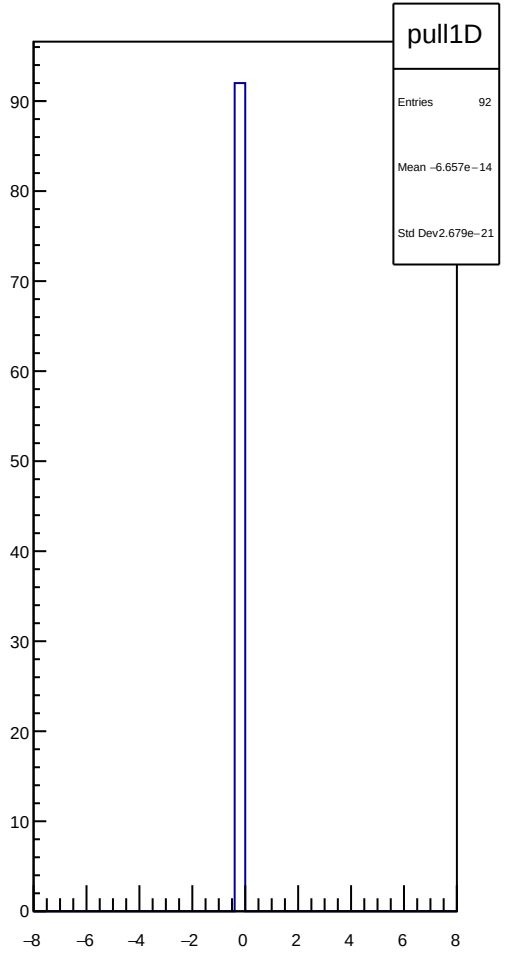

dit_sam6_4eX_slope vs run
χ² / ndf 1.413e−24 / 91
p0 49.62 ± 0.07771
50.4
50.2
50
49.8
49.6
49.4
49.2
49
48.8
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 92
Mean −1.239e−13
Std Dev7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

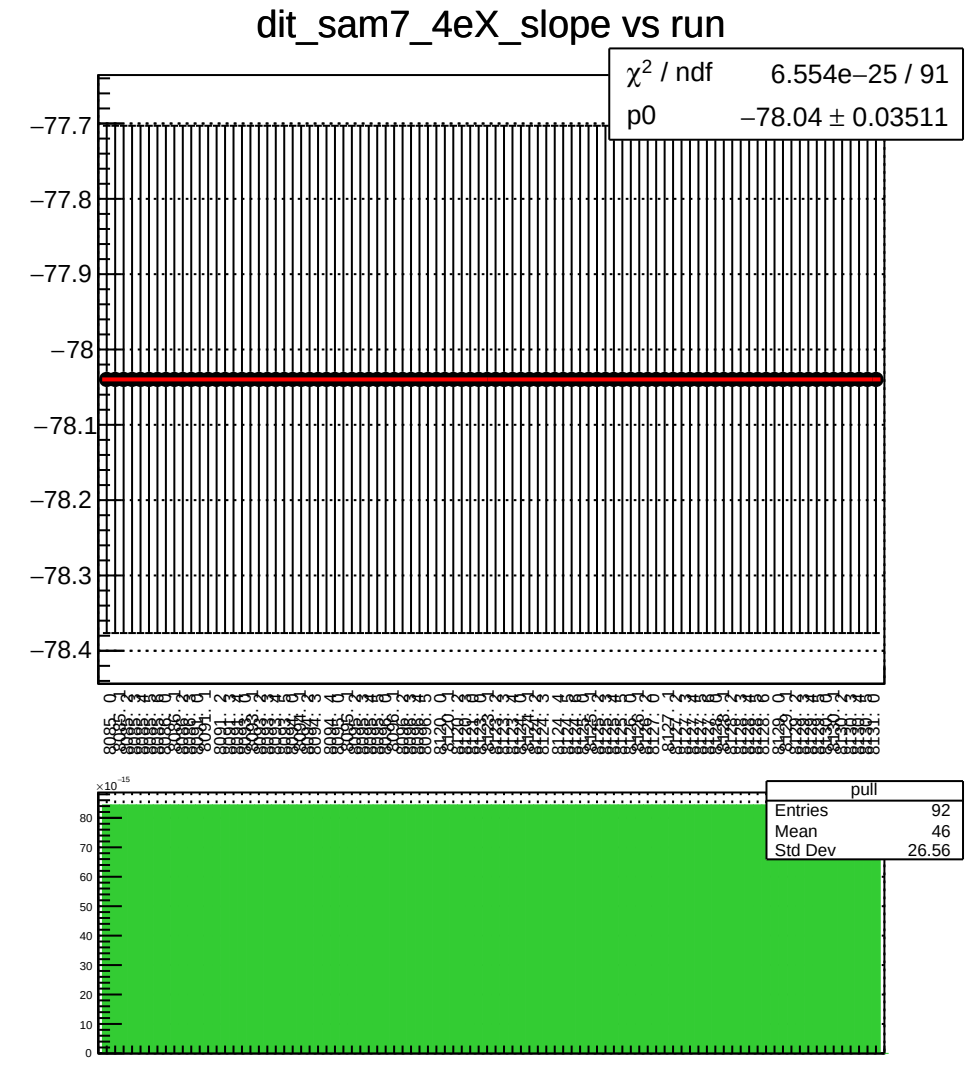

dit_sam6_11X12X_slope vs run
χ² / ndf 7.16e−28 / 91
p0 0.648 ± 0.04149
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 2.79e−15
Std Dev1.401e−22

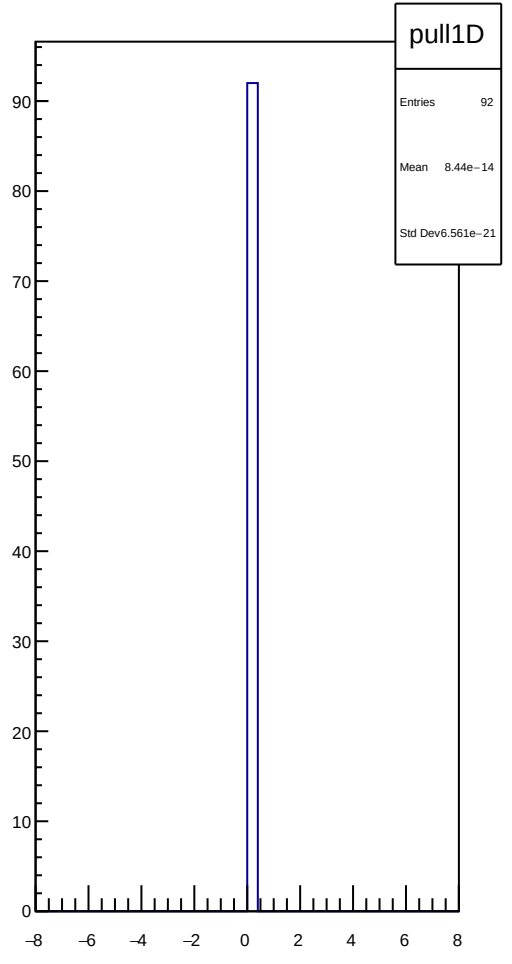

dit_sam6_4aY_slope vs run
χ² / ndf 4.405e−27 / 91
p0 20.52 ± 0.3747
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 6.919e−15
Std Dev2.118e−22

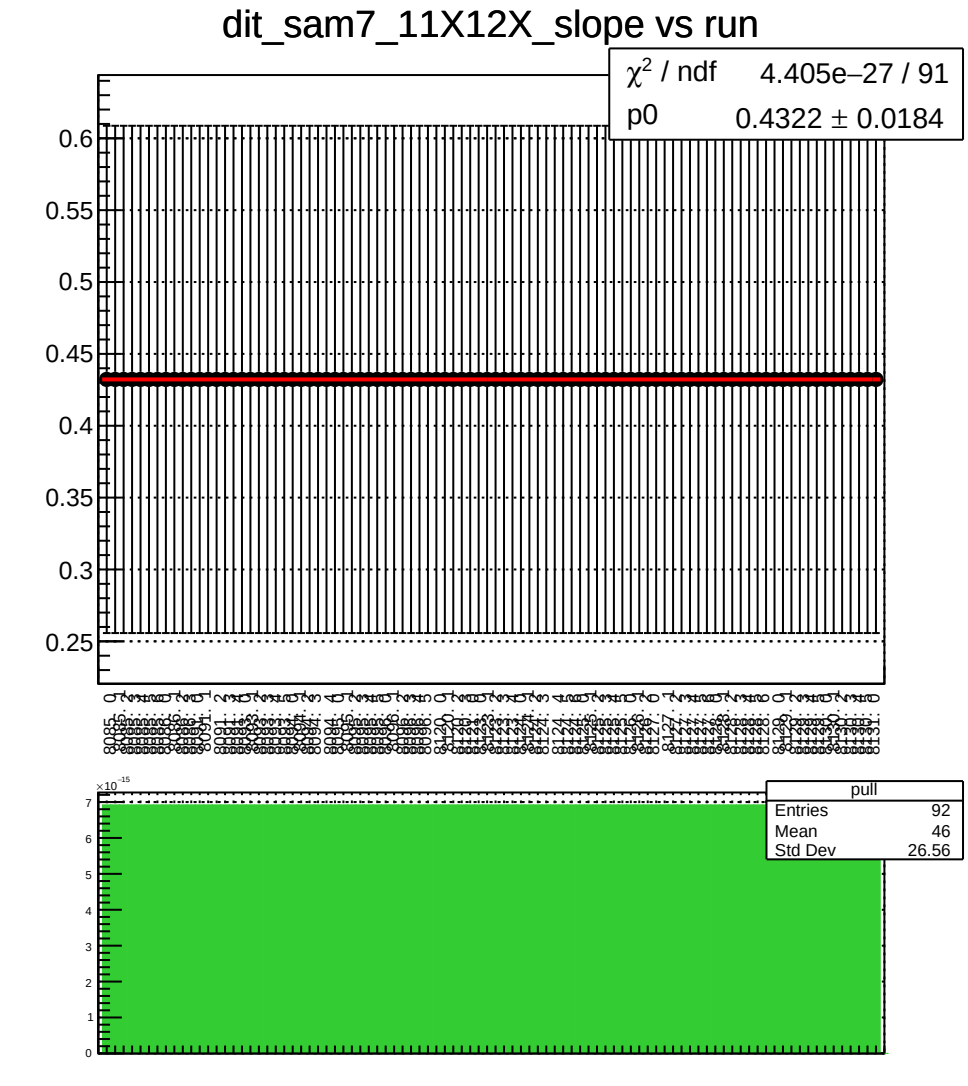

dit_sam6_4eY_slope vs run
χ² / ndf 1.545e−26 / 91
p0 95.29 ± 0.3429
99
98
97
96
95
94
93
92
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean −1.296e−14
Std Dev 2.593e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

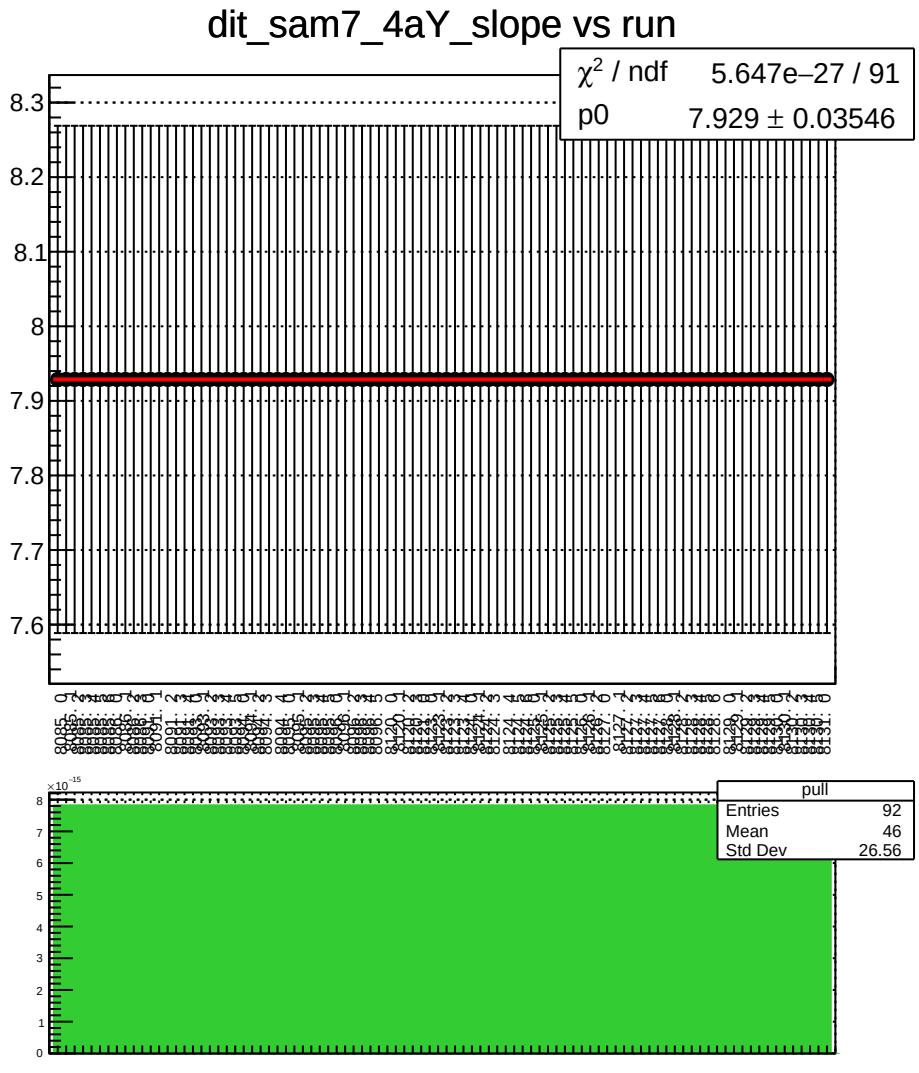

dit_sam7_4aX_slope vs run
χ² / ndf 4.077e−25 / 91
p0 40.8 ± 0.06677
41.4
41.2
41
40.8
40.6
40.4
40.2
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

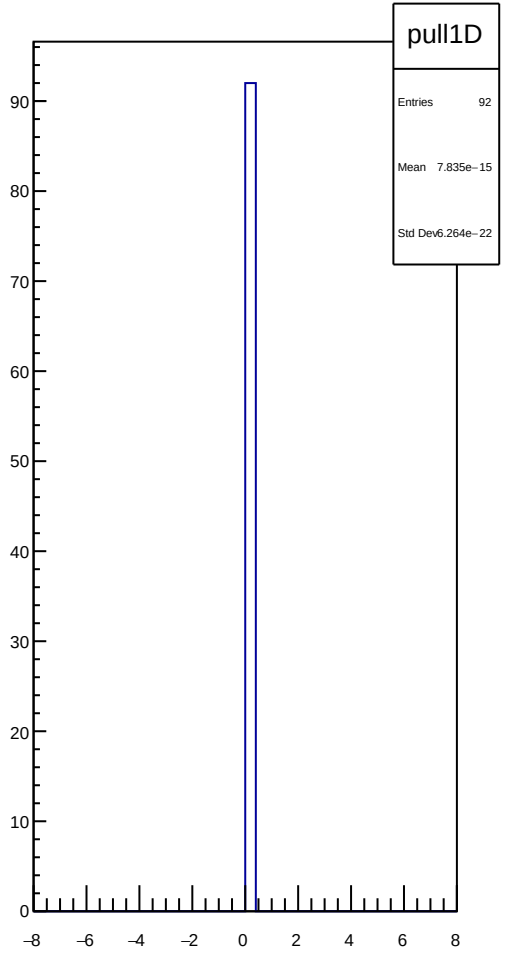

pull1D
Entries 92
Mean −6.657e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

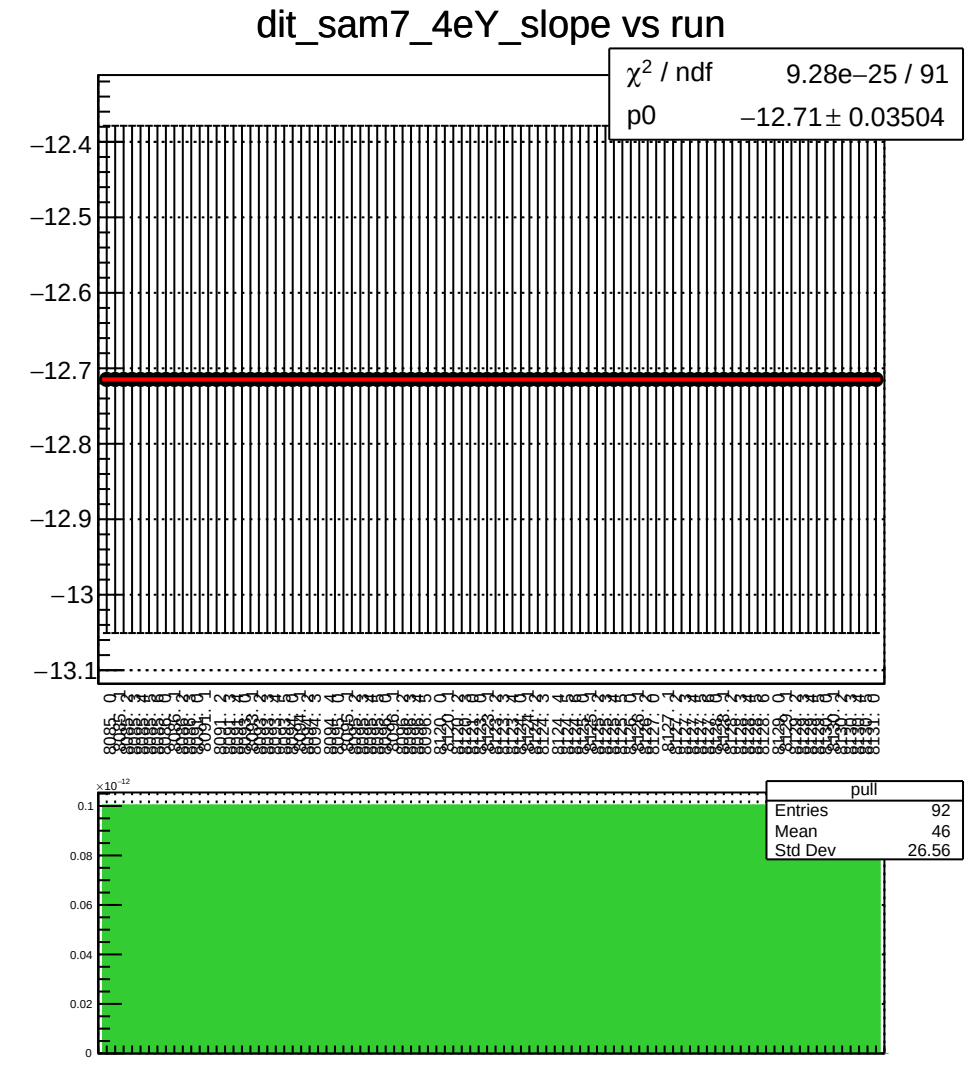

dit_sam7_4eX_slope vs run
χ² / ndf 6.554e−25 / 91
p0 −78.04 ± 0.03511
−77.7
−77.8
−77.9
−78
−78.1
−78.2
−78.3
−78.4
×10⁻¹⁵
pull
Entries 92
Mean 46
Std Dev 26.56

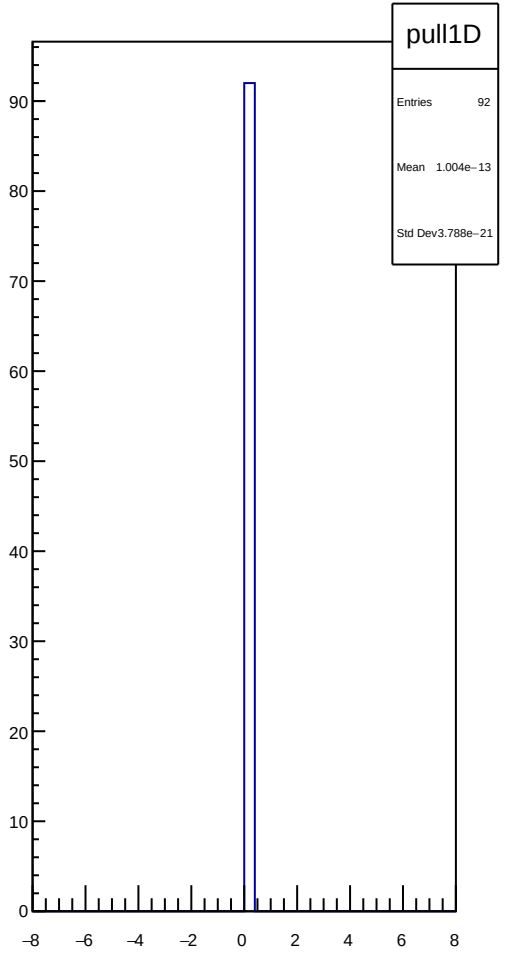

pull1D
Entries 92
Mean 8.44e−14
Std Dev 6.561e−21

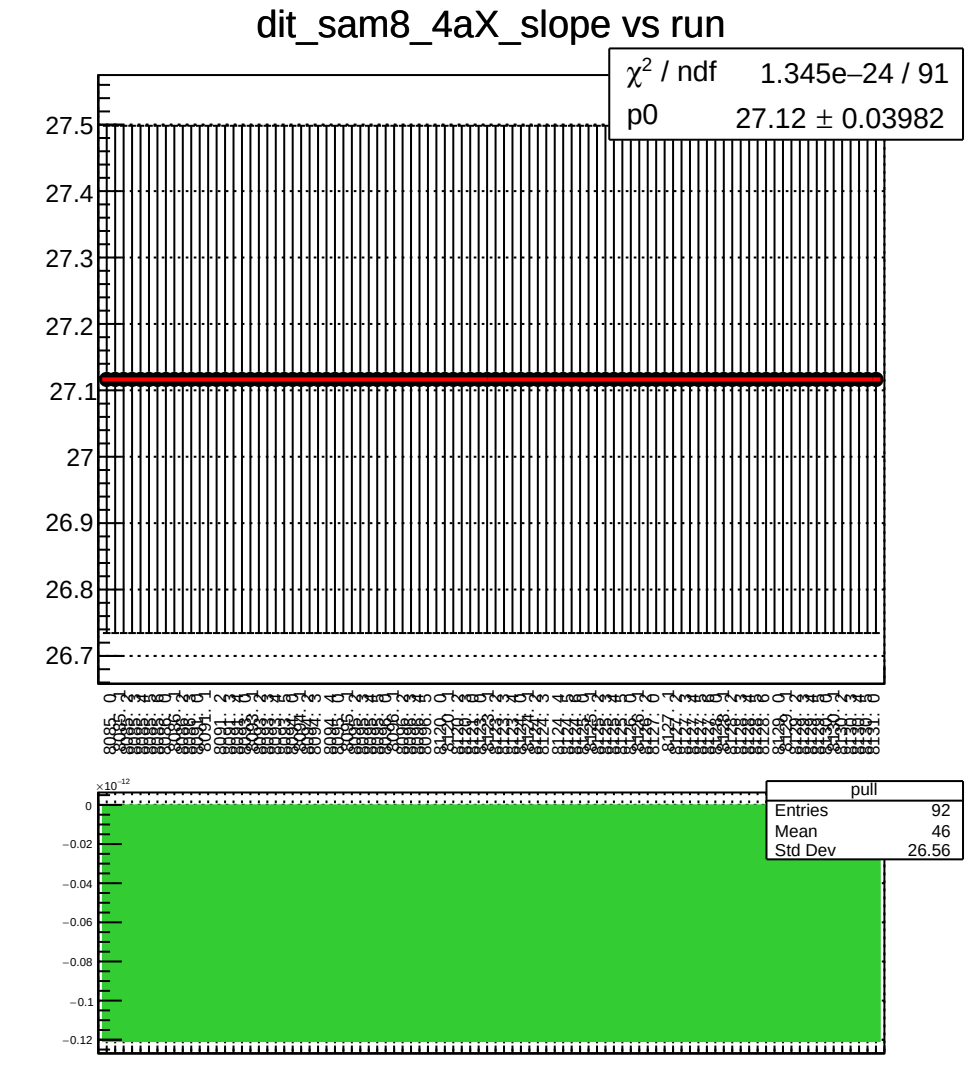

dit_sam7_11X12X_slope vs run
χ² / ndf 4.405e−27 / 91
p0 0.4322 ± 0.0184
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 6.92e−15
Std Dev1.497e−22

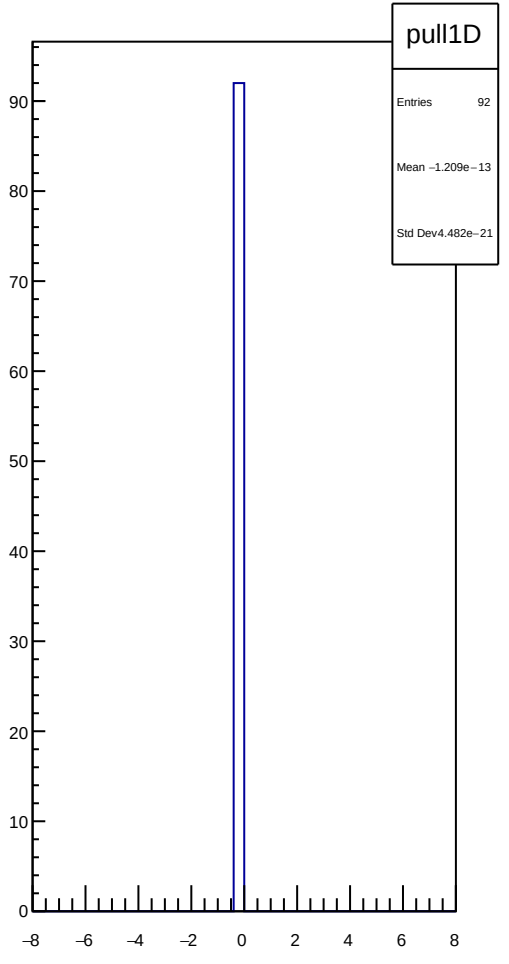

dit_sam7_4aY_slope vs run
χ² / ndf 5.647e−27 / 91
p0 7.929 ± 0.03546
8.3
8.2
8.1
8
7.9
7.8
7.7
7.6
×10⁻¹⁵
pull
Entries 92
Mean 46
Std Dev 26.56


pull1D
Entries 92
Mean 7.835e−15
Std Dev 6.264e−22


dit_sam7_4eY_slope vs run
χ² / ndf 9.28e−25 / 91
p0 −12.71 ± 0.03504
−12.4
−12.5
−12.6
−12.7
−12.8
−12.9
−13
−13.1
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 92
Mean 1.004e−13
Std Dev3.788e−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 1.345e−24 / 91
p0 27.12 ± 0.03982
27.5
27.4
27.3
27.2
27.1
27
26.9
26.8
26.7
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12


pull1D
Entries 92
Mean −1.209e−13
Std Dev4.482e−21
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80
70
60
50
40
30
20
10
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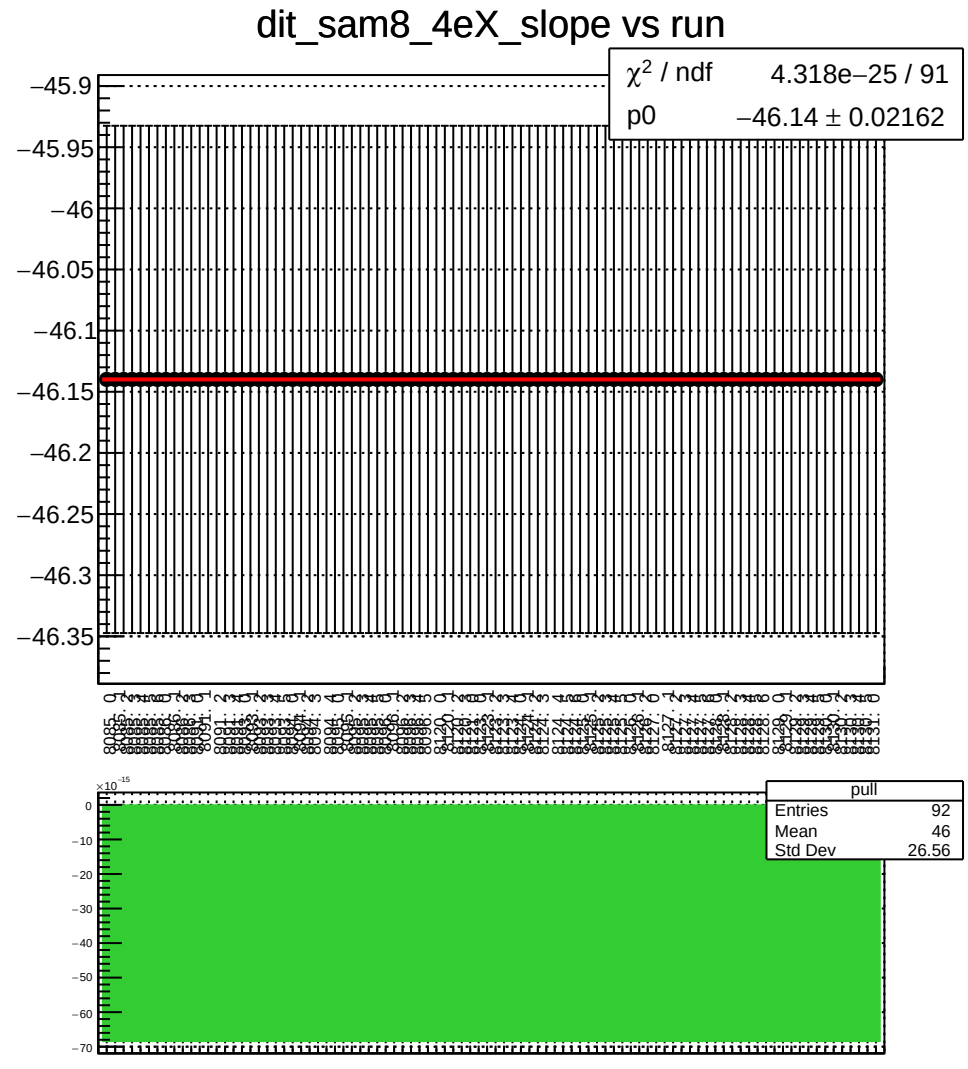
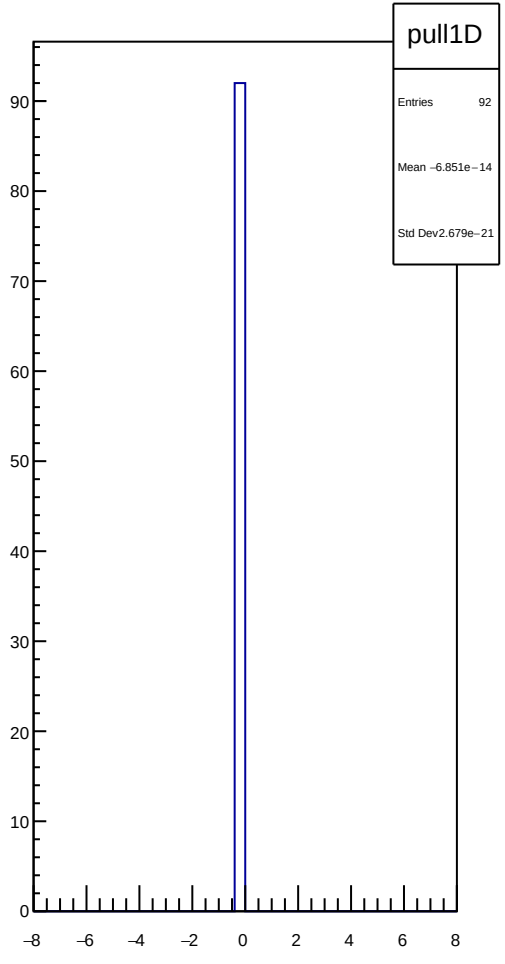
−6
−4
−2
0
2
4
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 4.318e−25 / 91
p0 −46.14 ± 0.02162
−45.9
−45.95
−46
−46.05
−46.1
−46.15
−46.2
−46.25
−46.3
−46.35
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70


pull1D
Entries 92
Mean −6.851e−14
Std Dev2.679e−21
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−4
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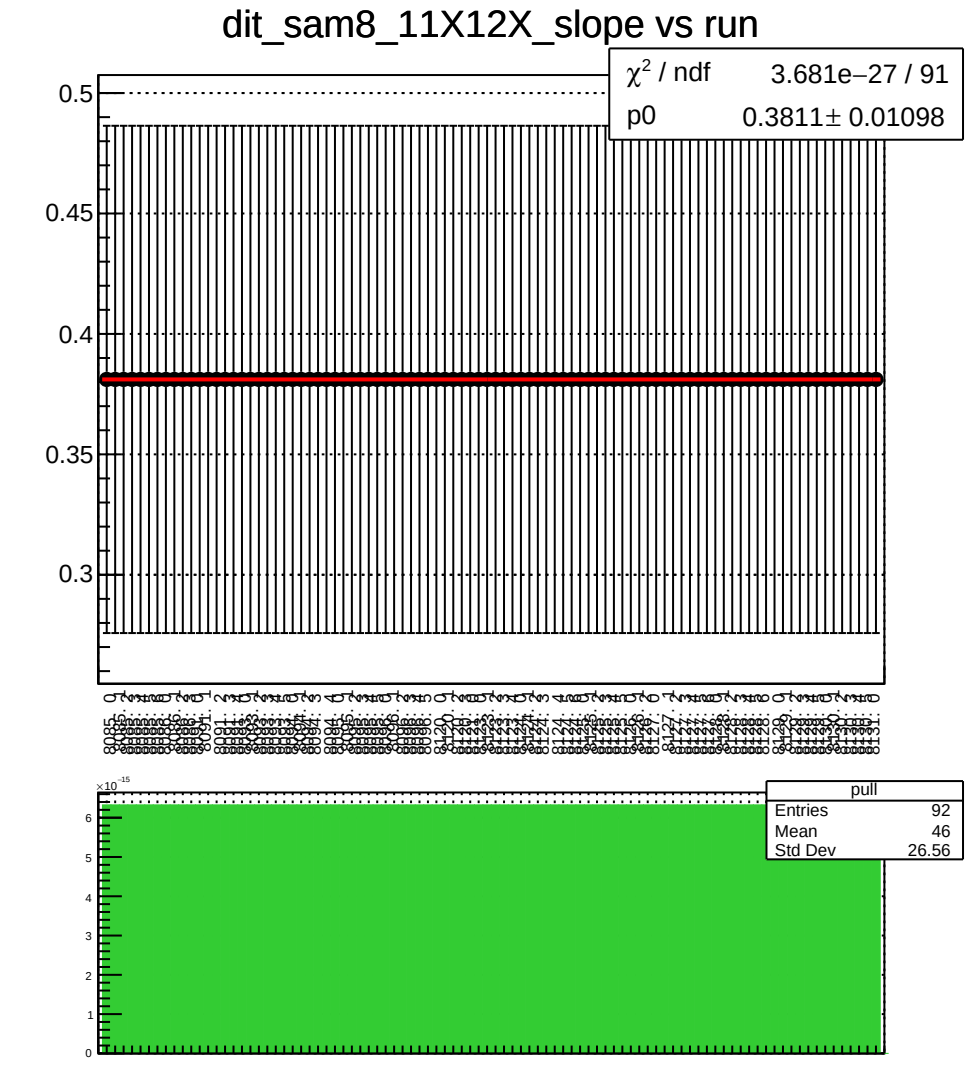
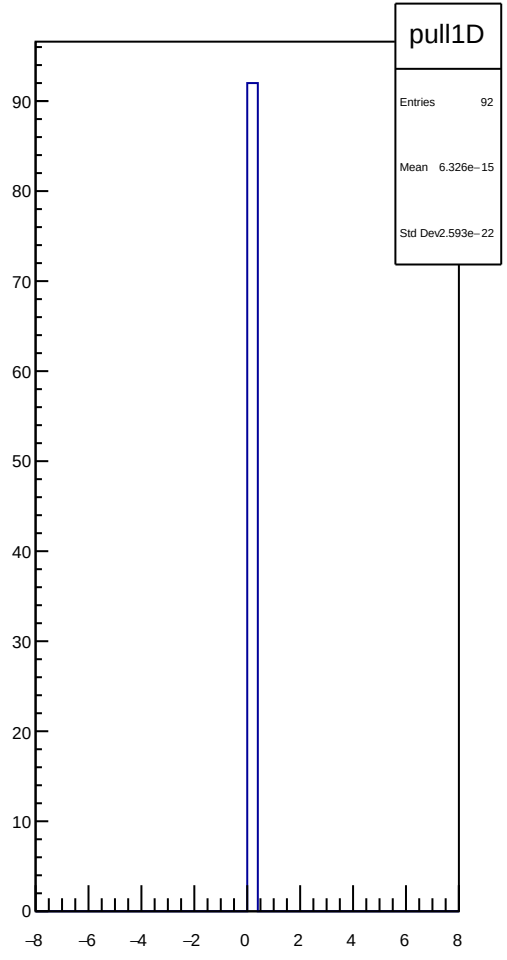
6
8


dit_sam8_11X12X_slope vs run
χ² / ndf 3.681e−27 / 91
p0 0.3811± 0.01098
0.5
0.45
0.4
0.35
0.3
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹⁵
6
5
4
3
2
1
0


pull1D
Entries 92
Mean 6.326e−15
Std Dev 2.593e−22
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50
40
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−4
−2
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2
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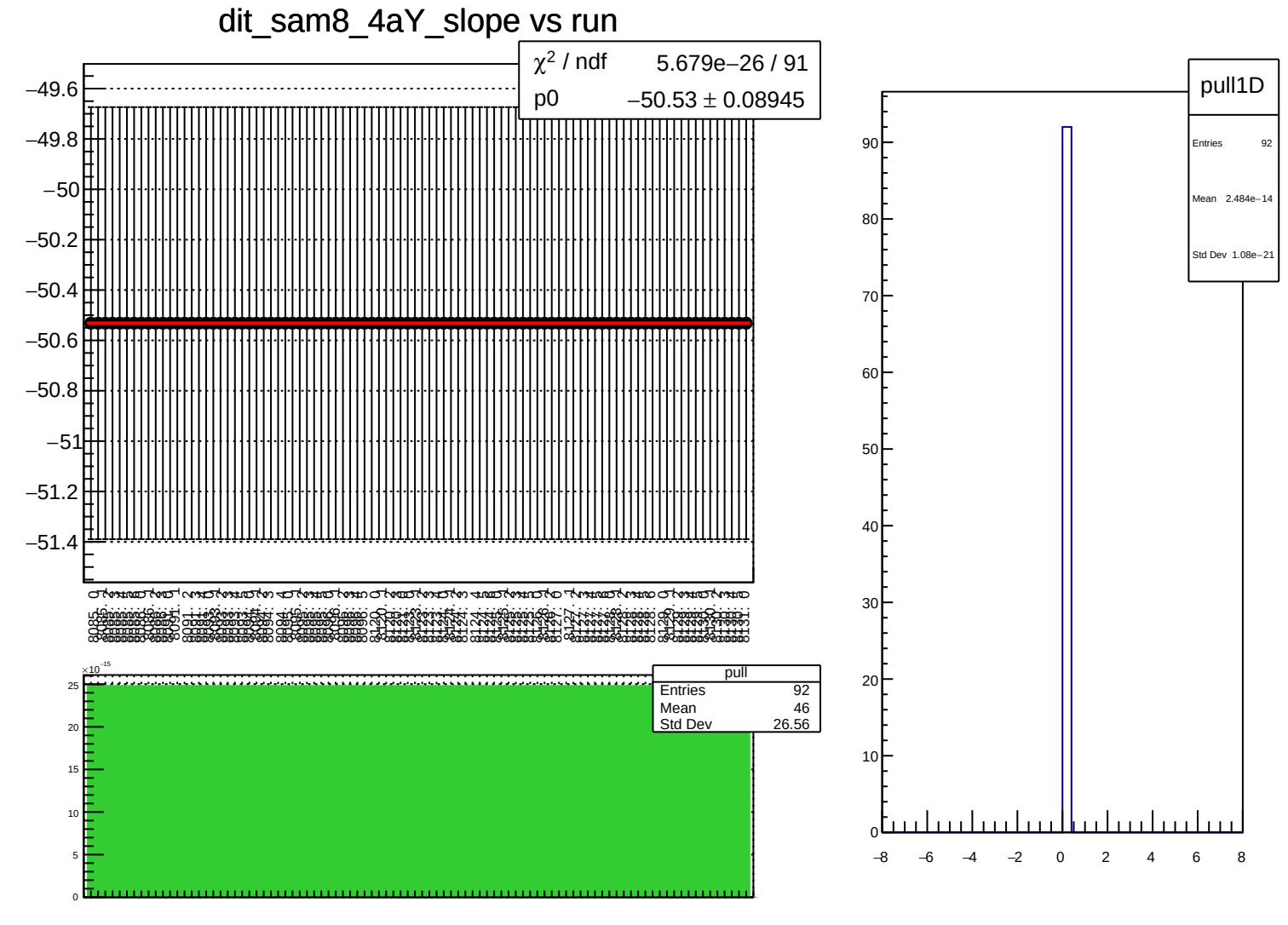
6
8


dit_sam8_4aY_slope vs run
χ² / ndf 5.679e−26 / 91
p0 −50.53 ± 0.08945
−49.6
−49.8
−50
−50.2
−50.4
−50.6
−50.8
−51
−51.2
−51.4
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 2.484e−14
Std Dev 1.08e−21
90
80
70
60
50
40
30
20
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−4
−2
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2
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6
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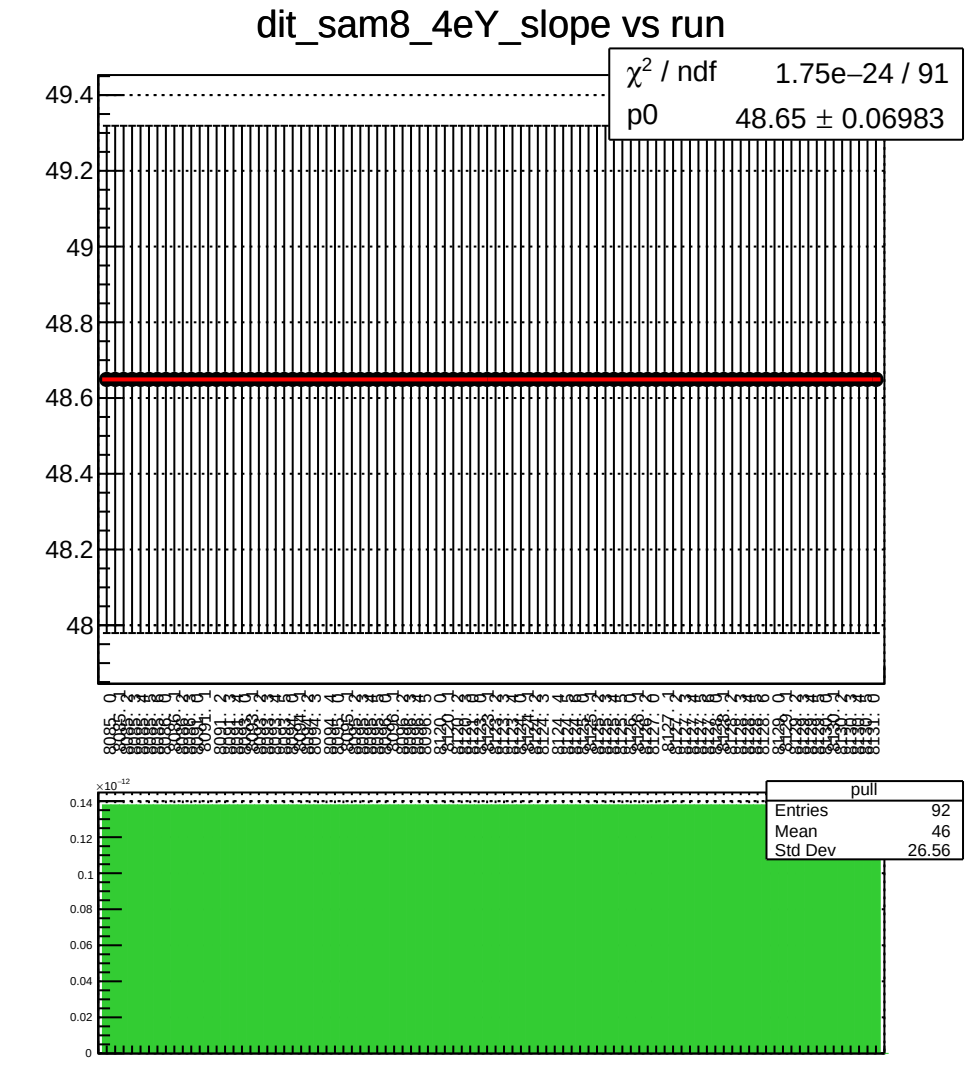
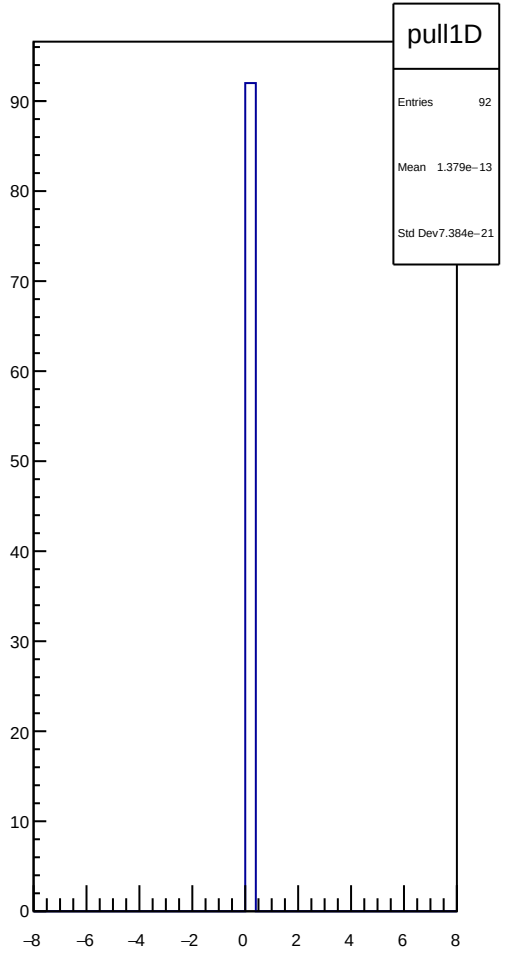

dit_sam8_4eY_slope vs run
χ² / ndf 1.75e−24 / 91
p0 48.65 ± 0.06983
49.4
49.2
49
48.8
48.6
48.4
48.2
48
pull
Entries 92
Mean 46
Std Dev 26.56
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 92
Mean 1.379e−13
Std Dev 7.384e−21
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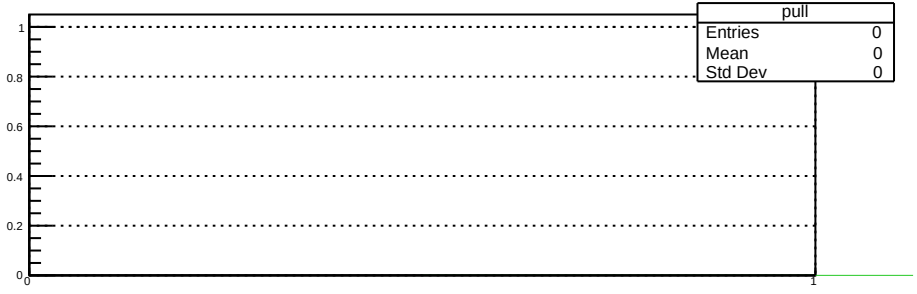
pull
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Std Dev 0
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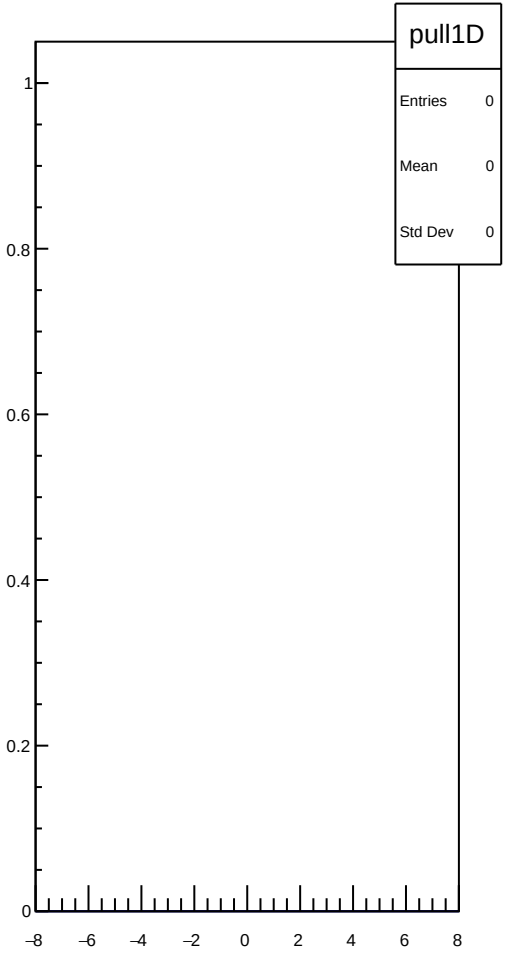
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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–4
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2
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6
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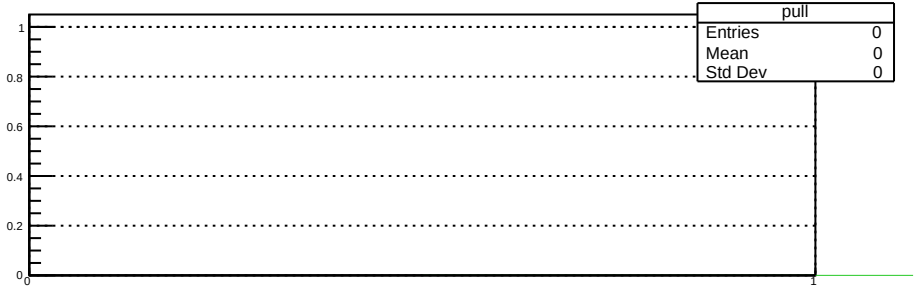
pull
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Mean 0
Std Dev 0
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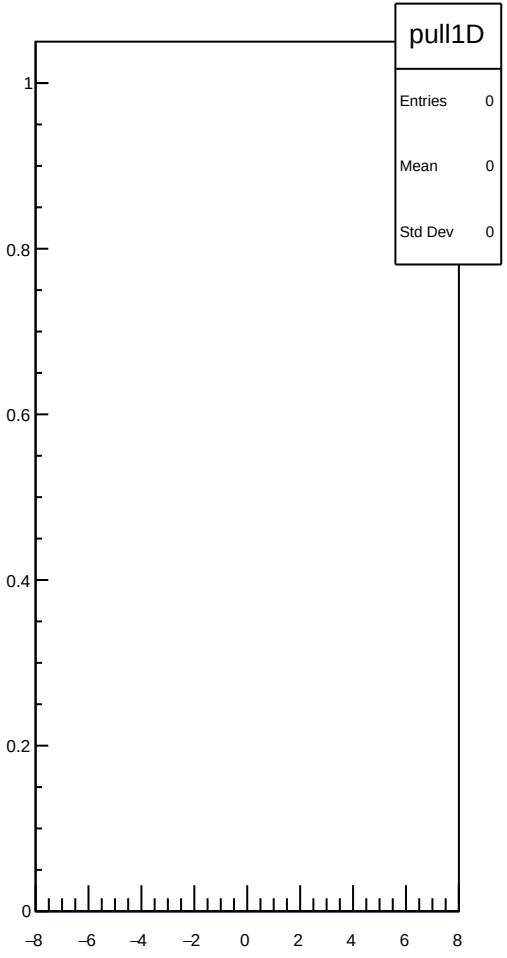
pull1D
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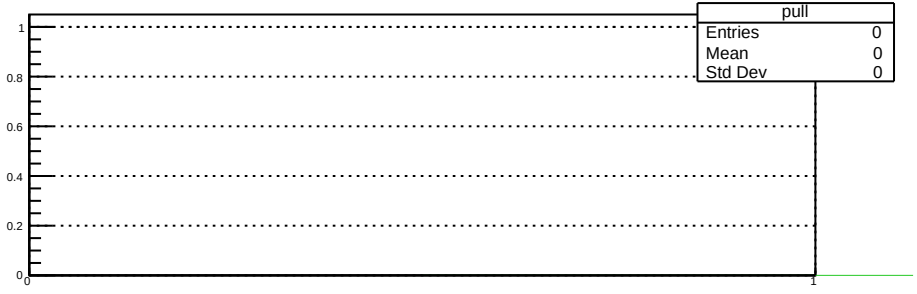
pull
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Std Dev 0
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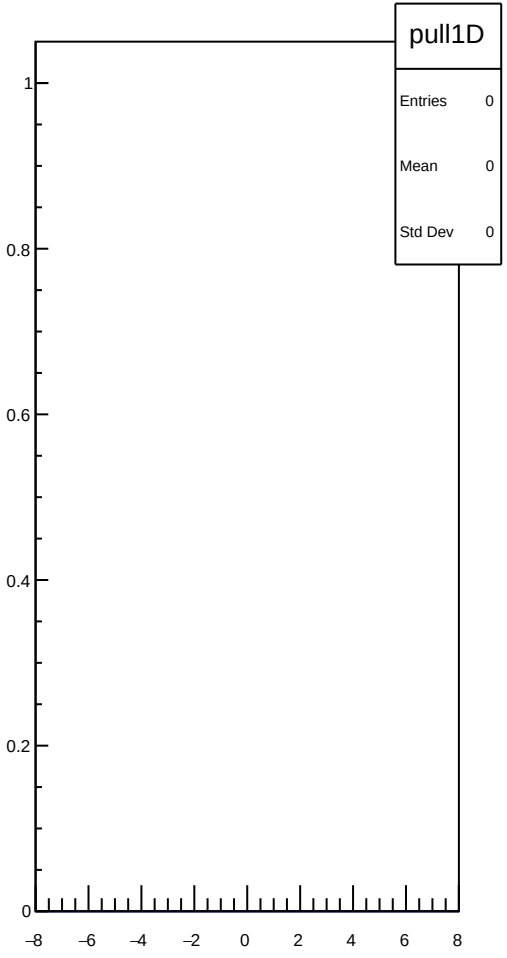
pull1D
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Std Dev 0
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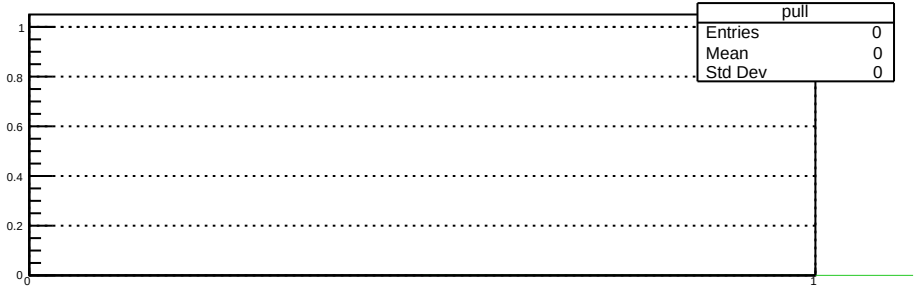
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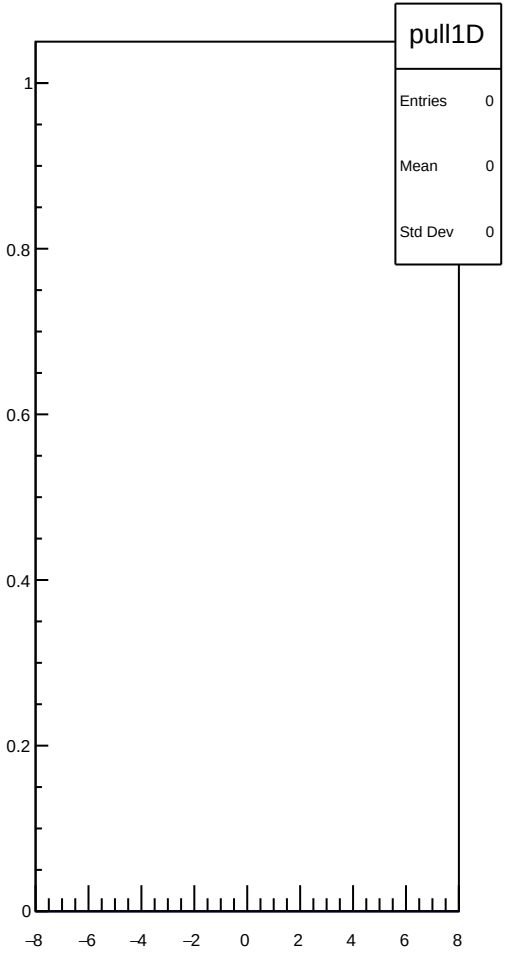
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Std Dev 0
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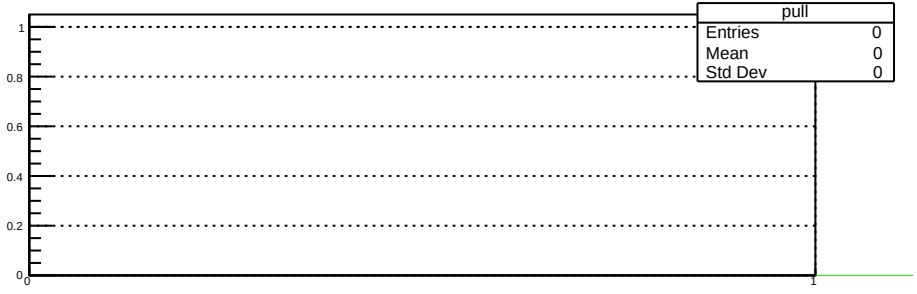
pull
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Std Dev 0
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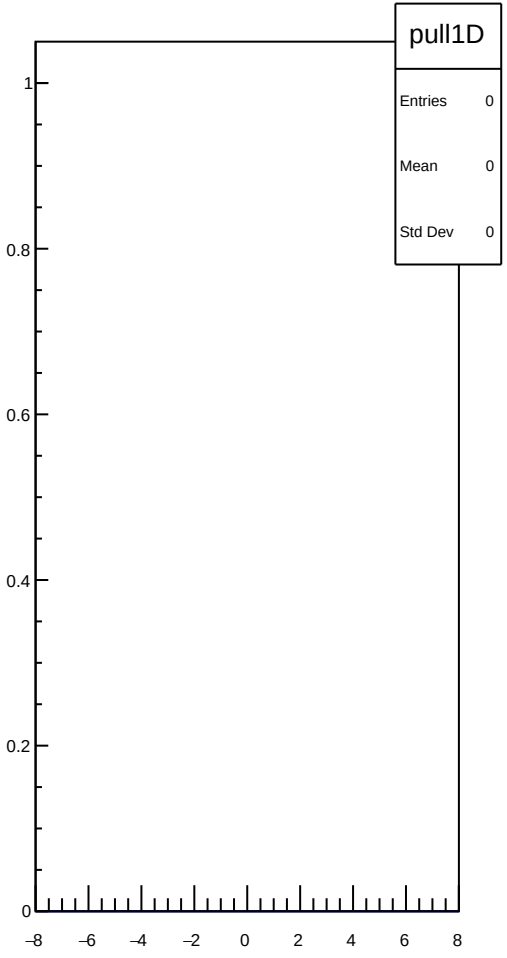
pull1D
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Std Dev 0
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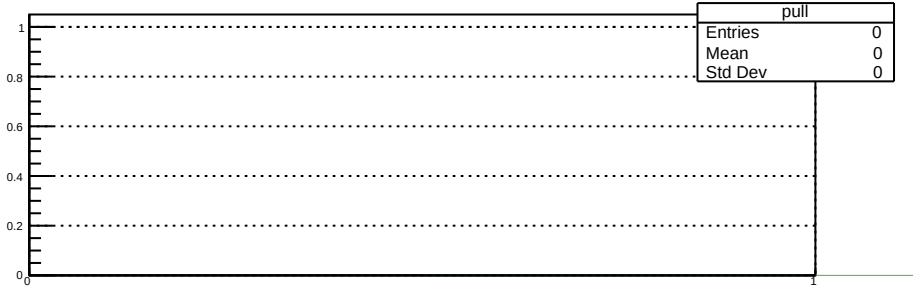
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Std Dev 0
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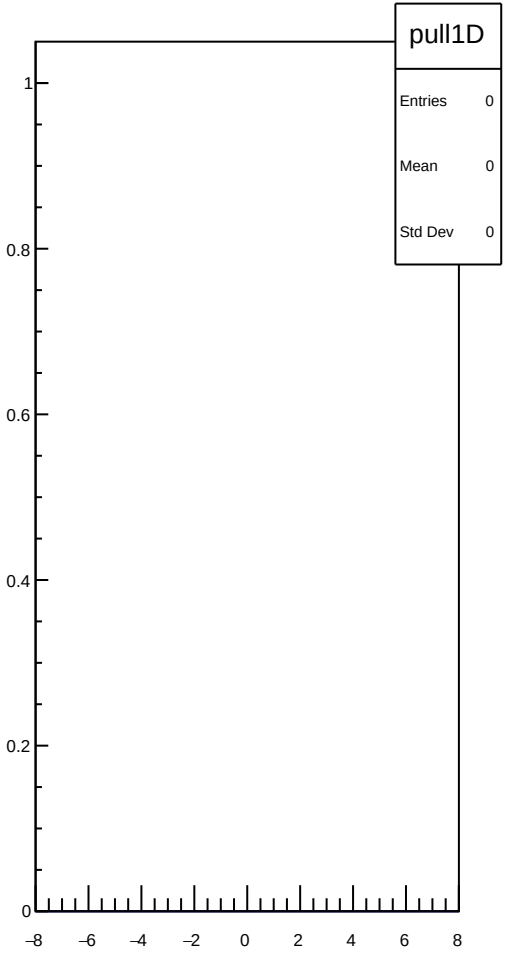
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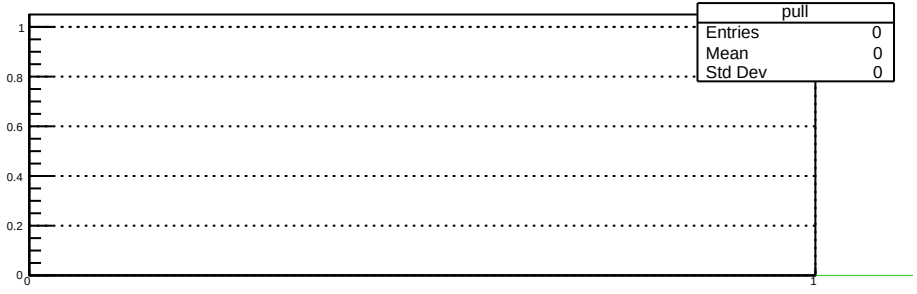
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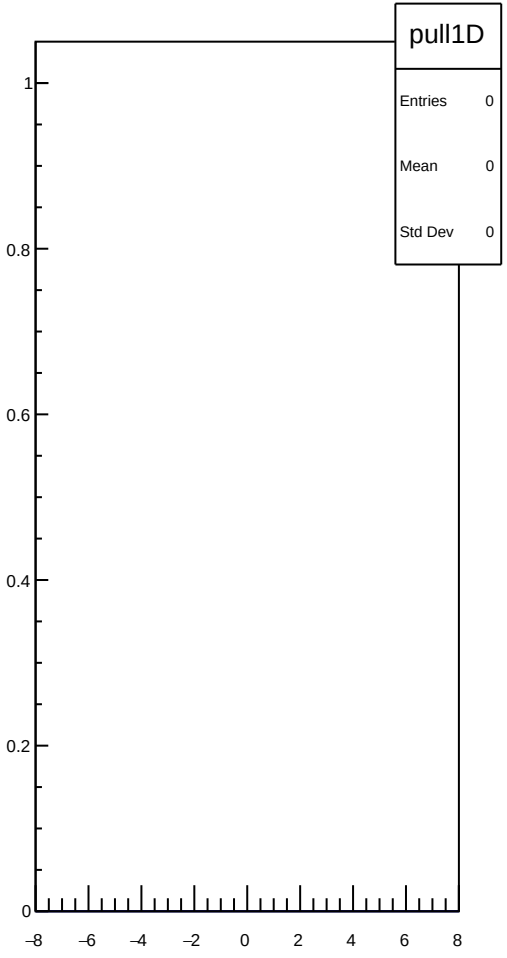
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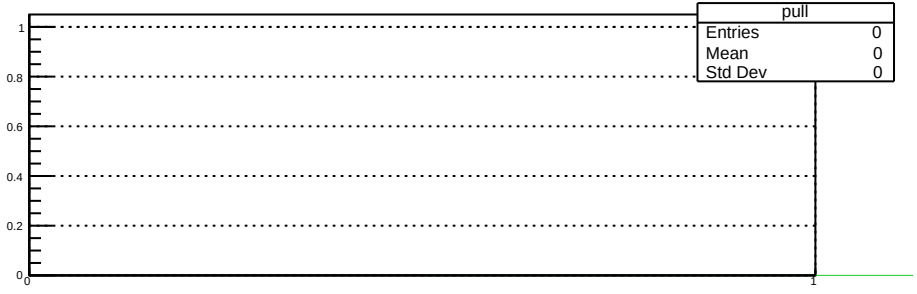
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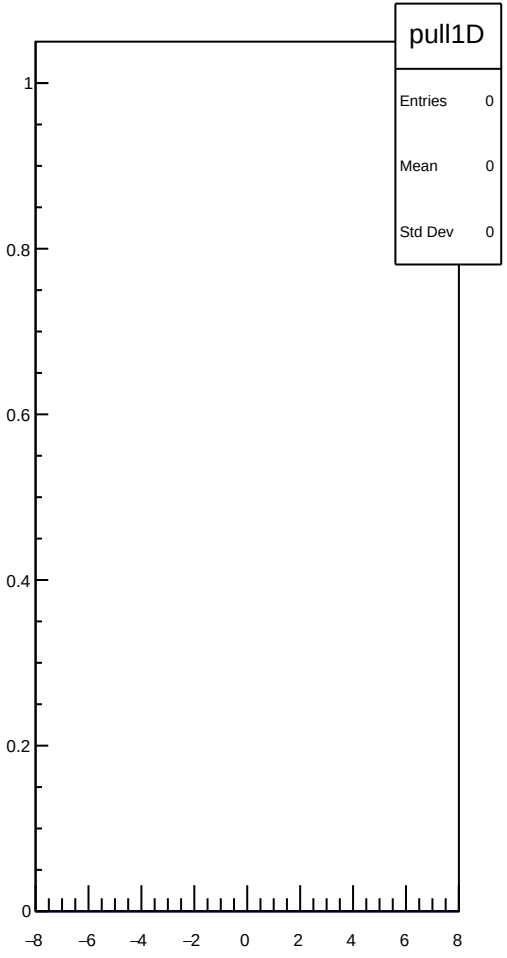
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Std Dev 0
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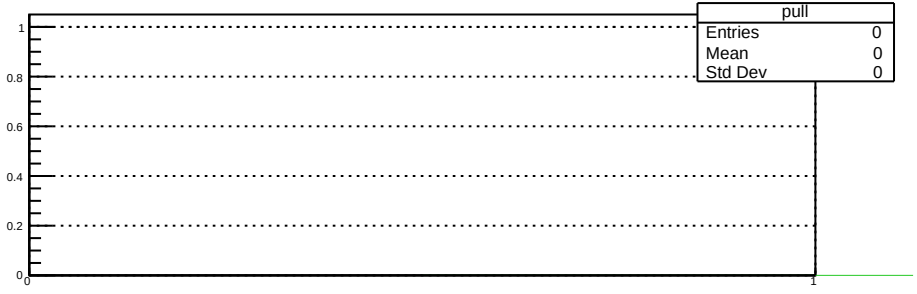
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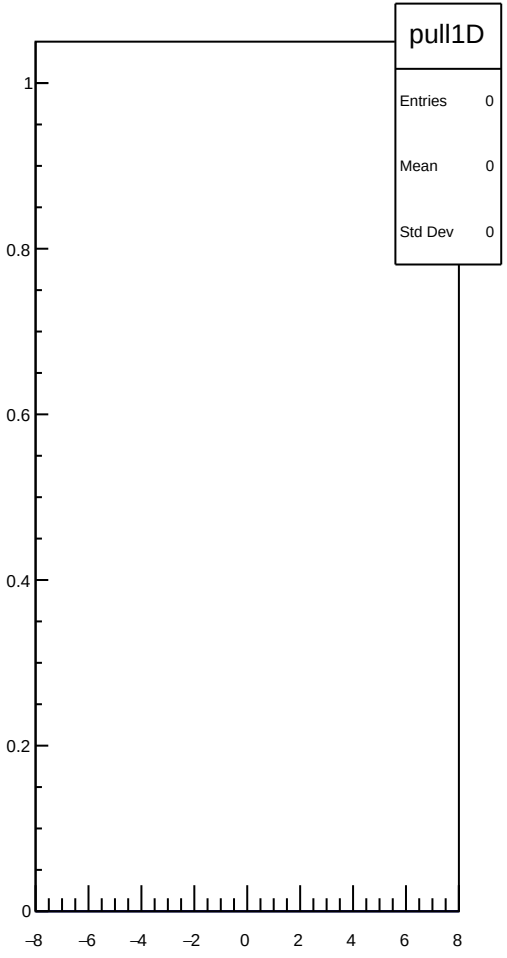
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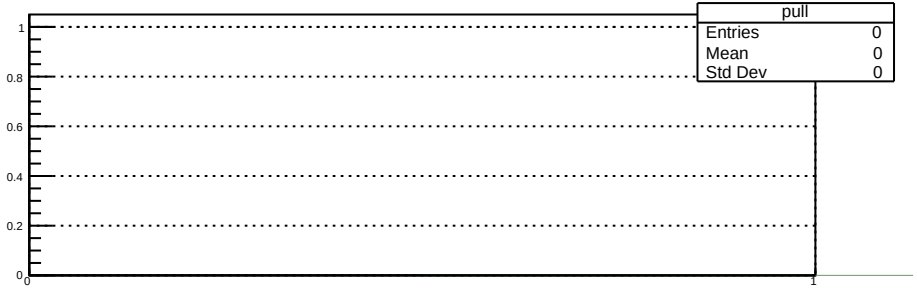
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Std Dev 0
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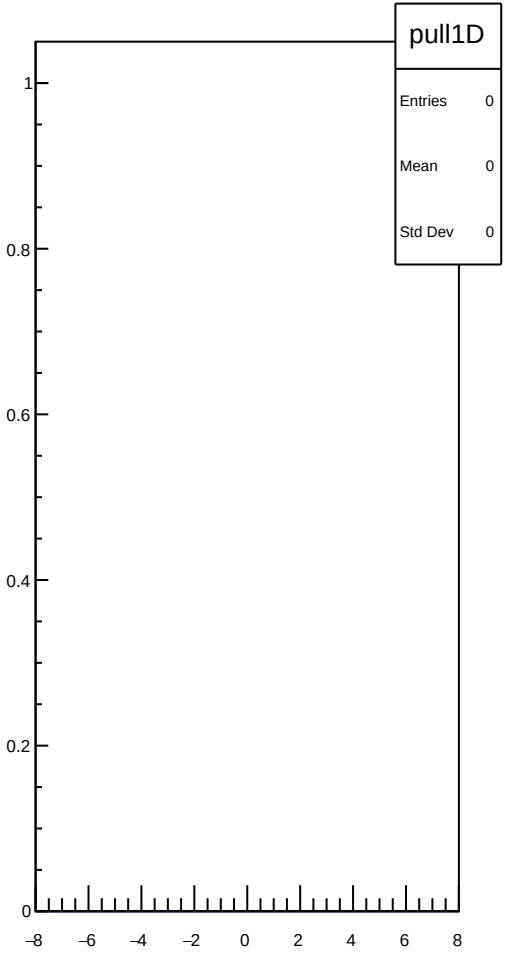
pull1D
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Std Dev 0
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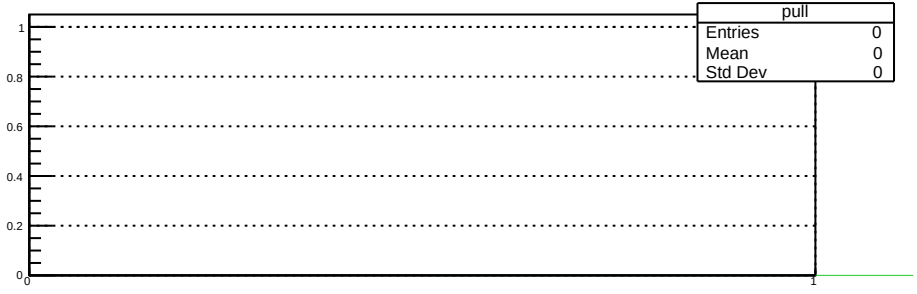
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Mean 0
Std Dev 0
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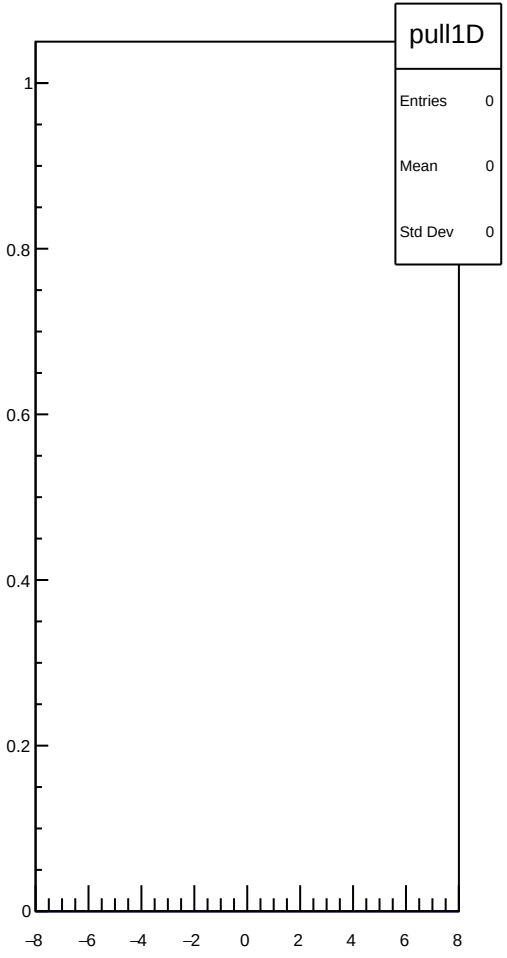
pull1D
Entries 0
Mean 0
Std Dev 0
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6
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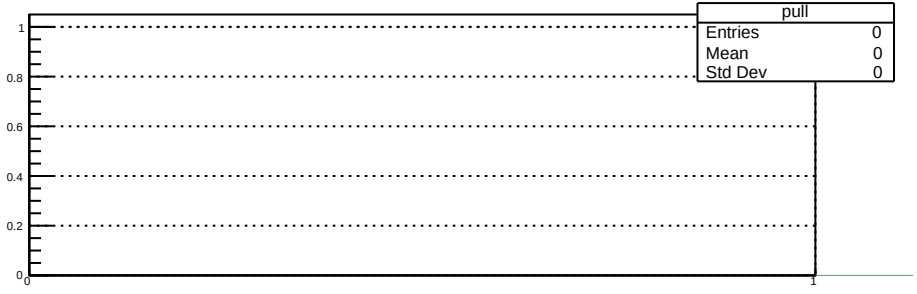
pull
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Mean 0
Std Dev 0
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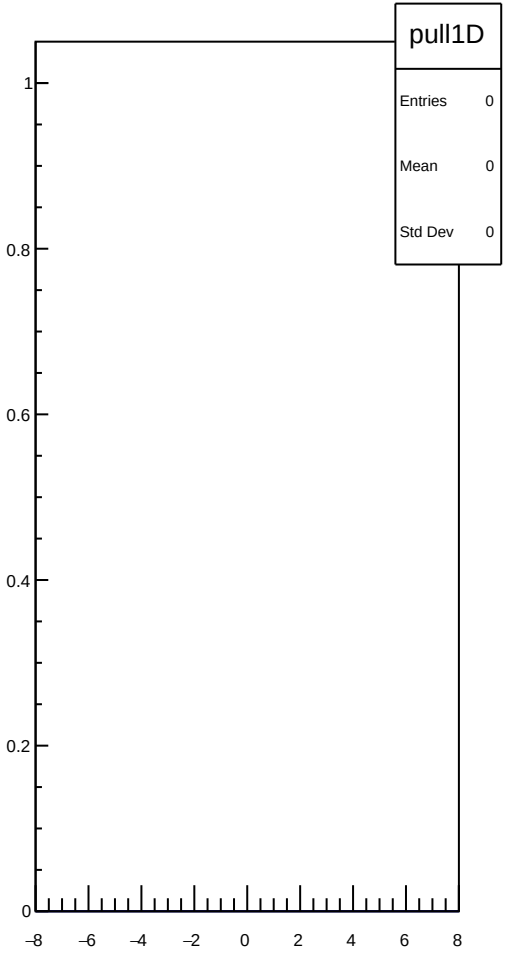
pull1D
Entries 0
Mean 0
Std Dev 0
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2
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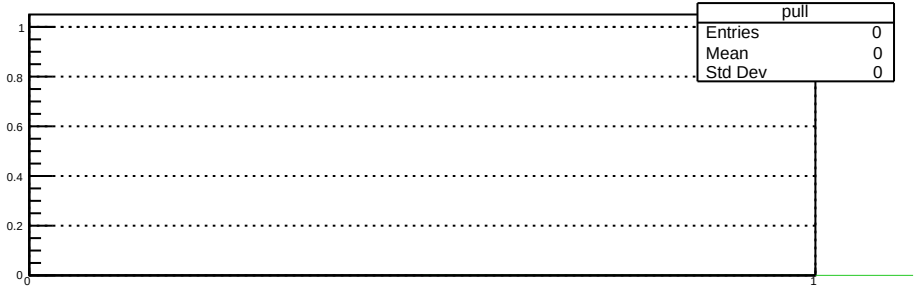
pull
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Std Dev 0
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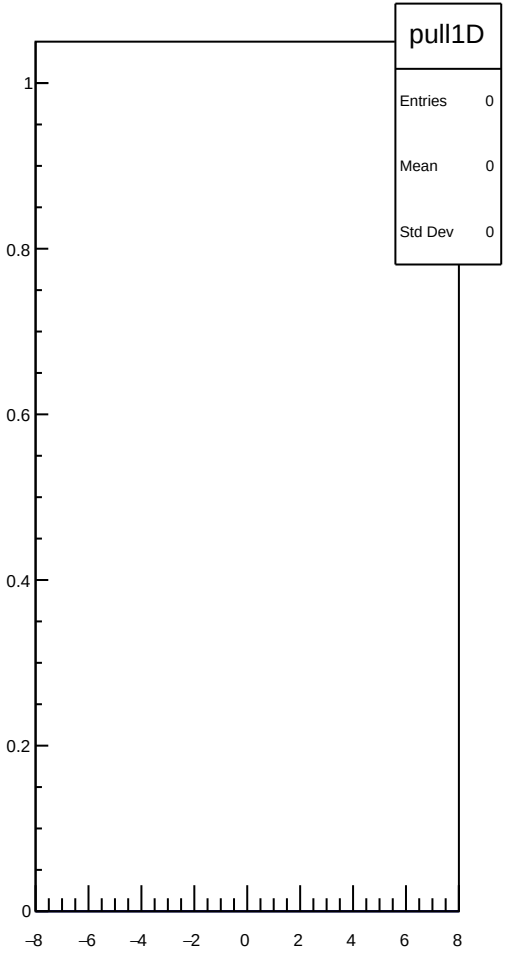
pull1D
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Std Dev 0
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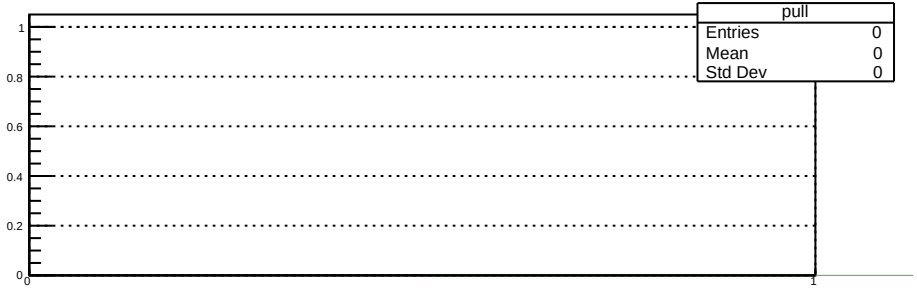
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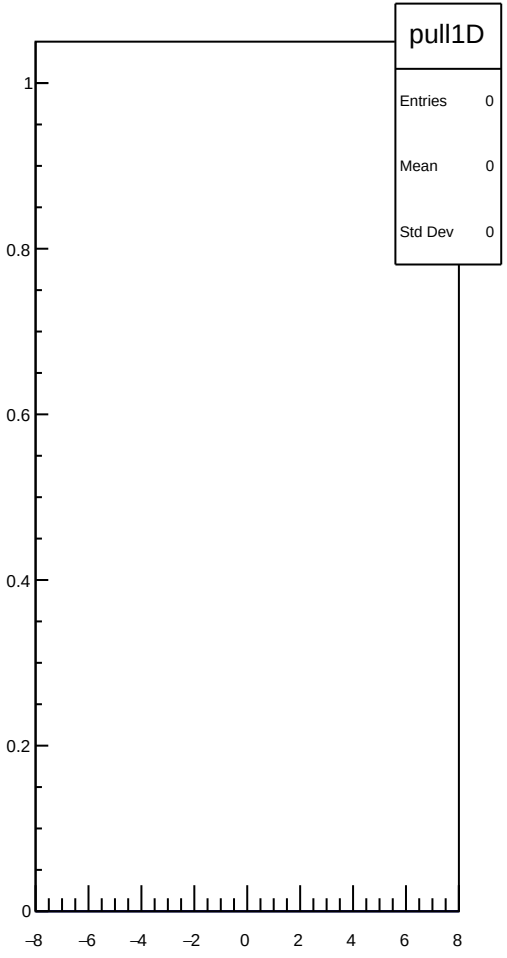
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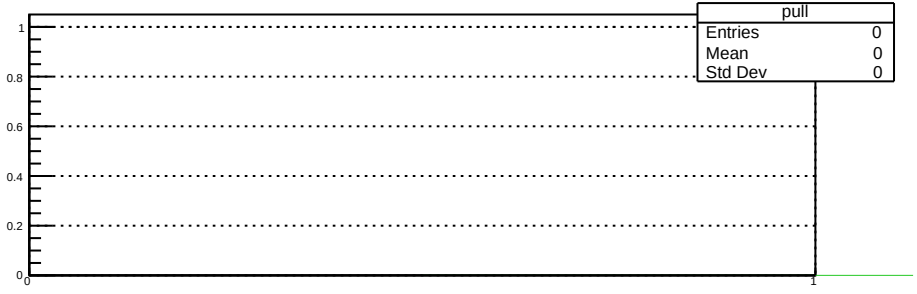
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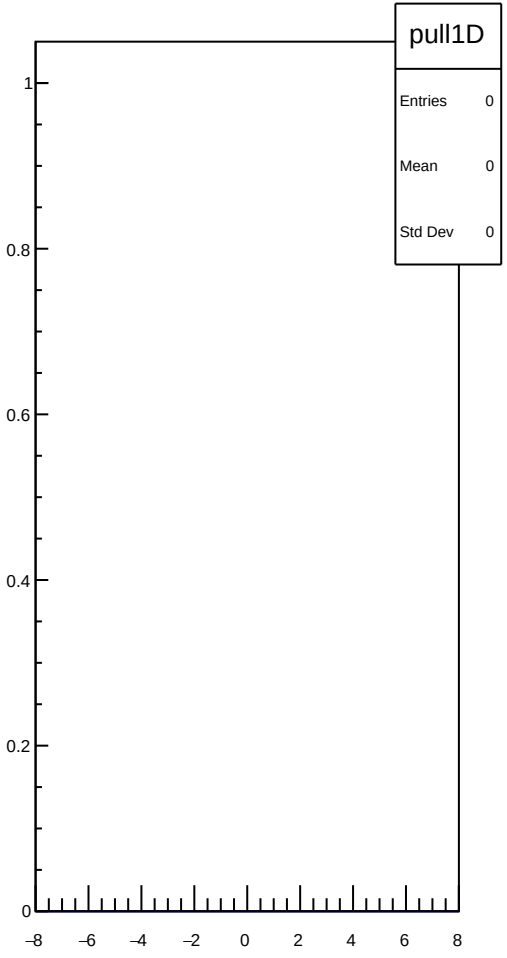
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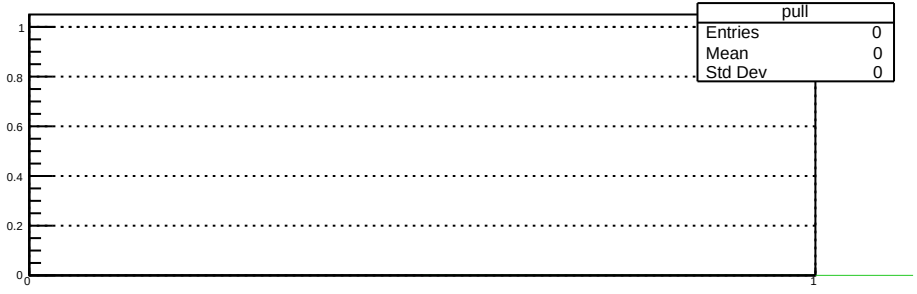
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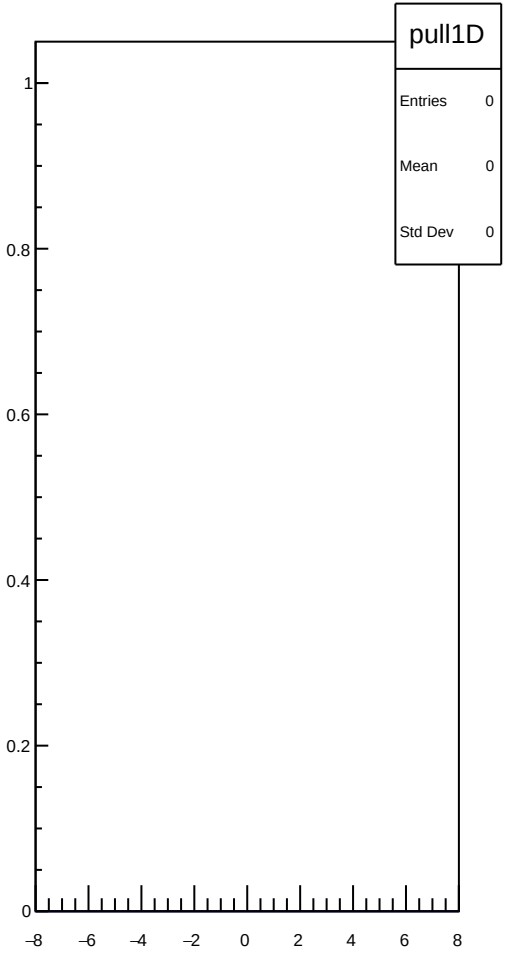
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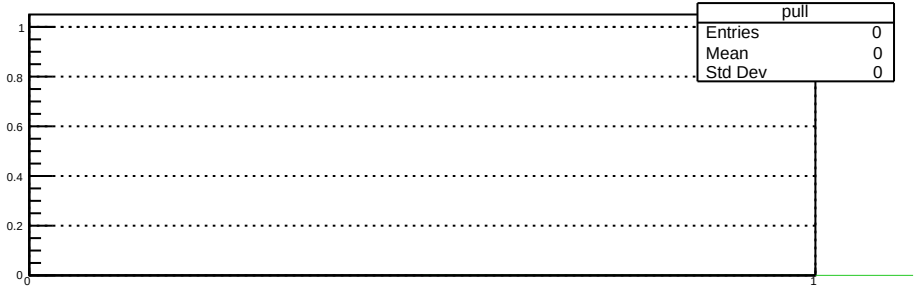
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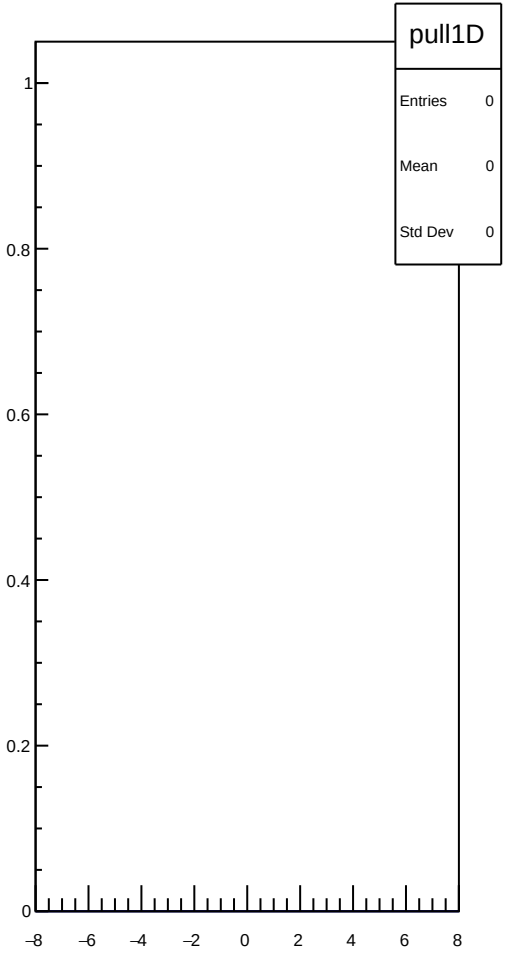
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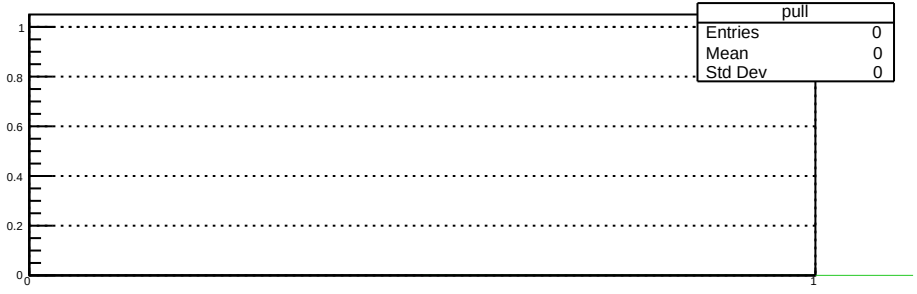
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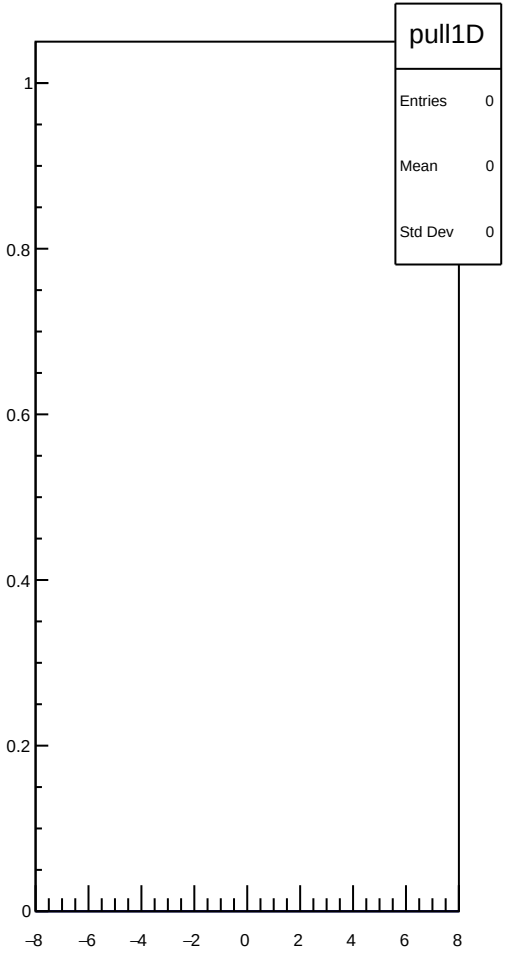
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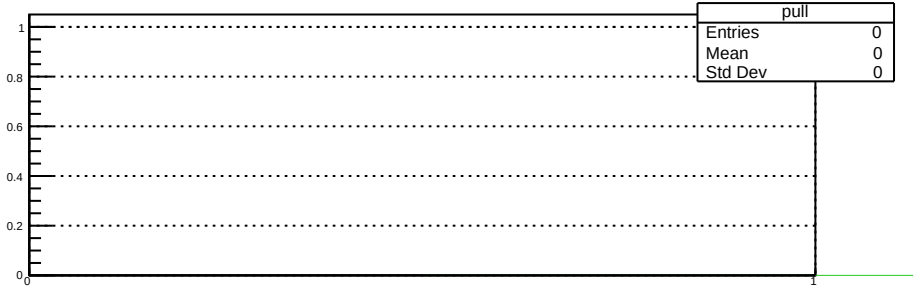
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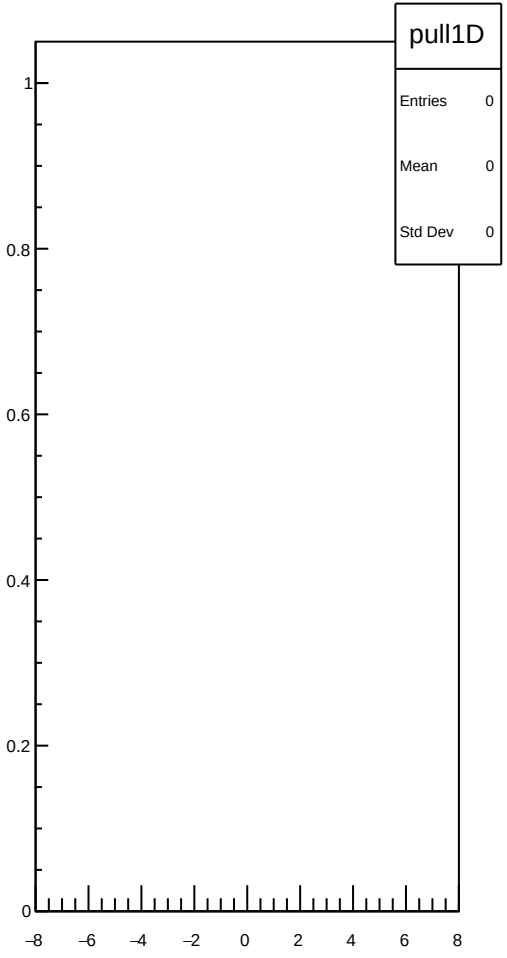
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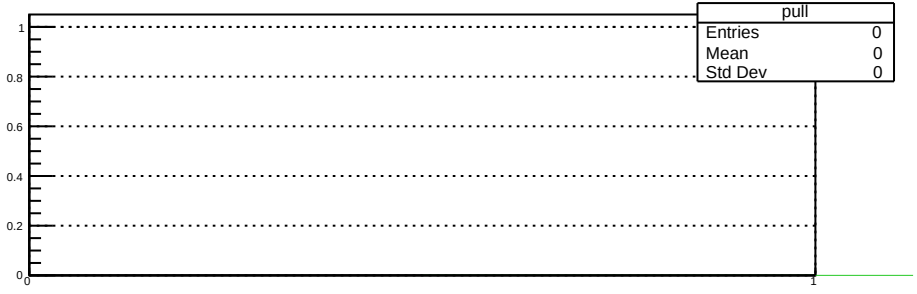
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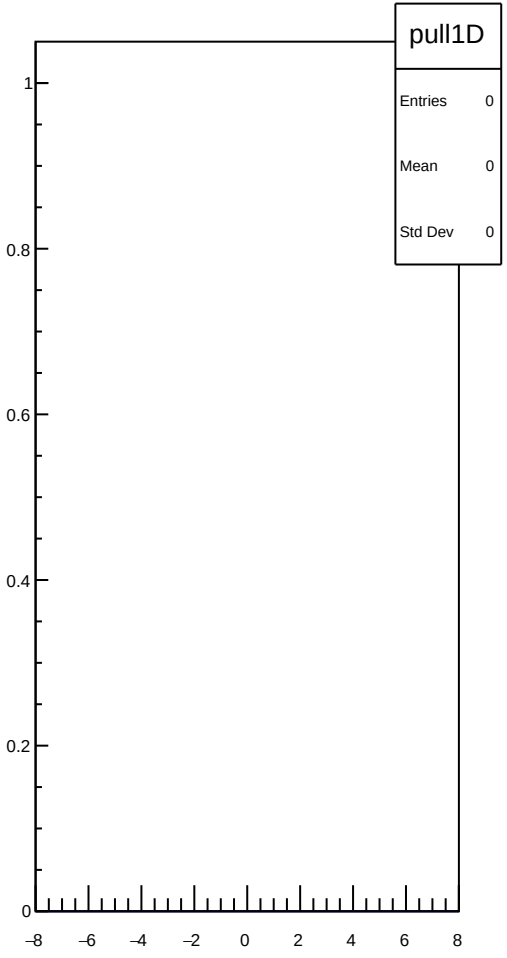
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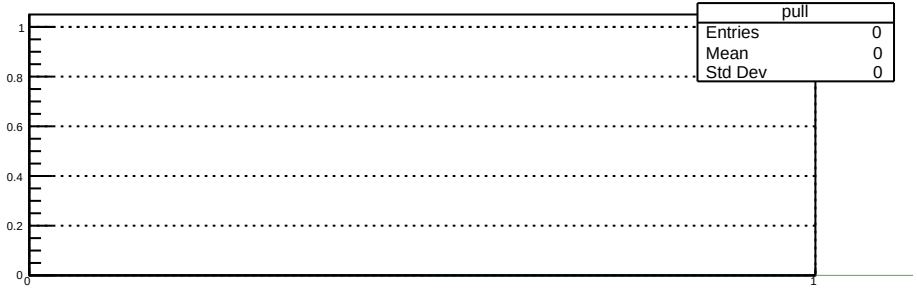
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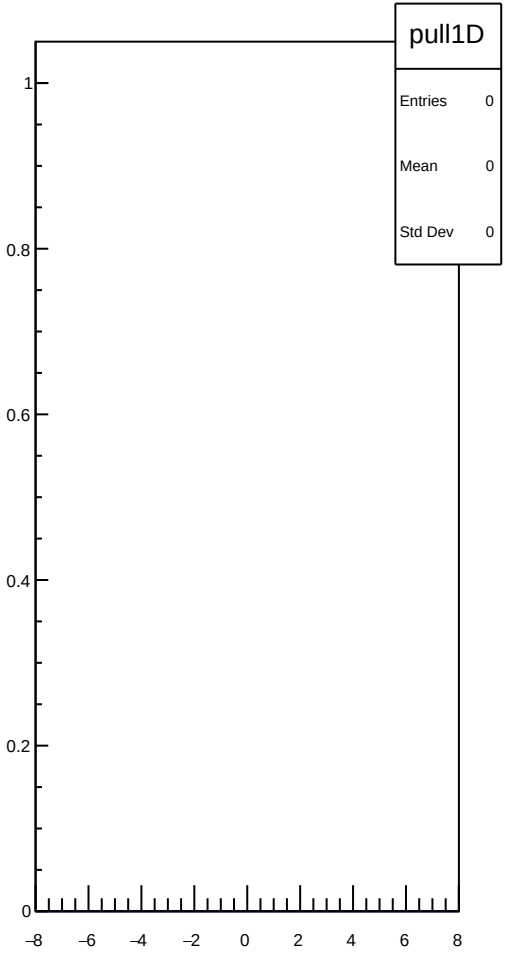
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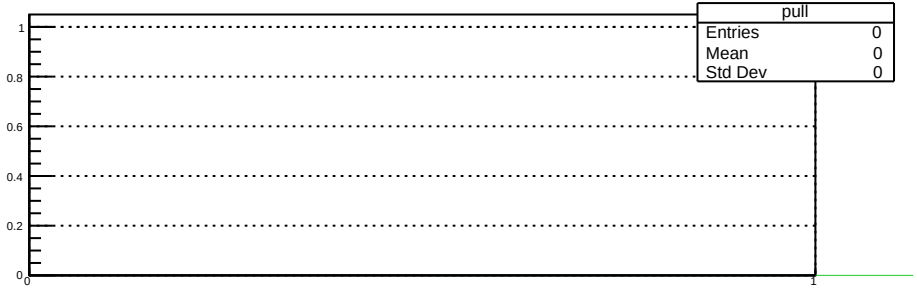
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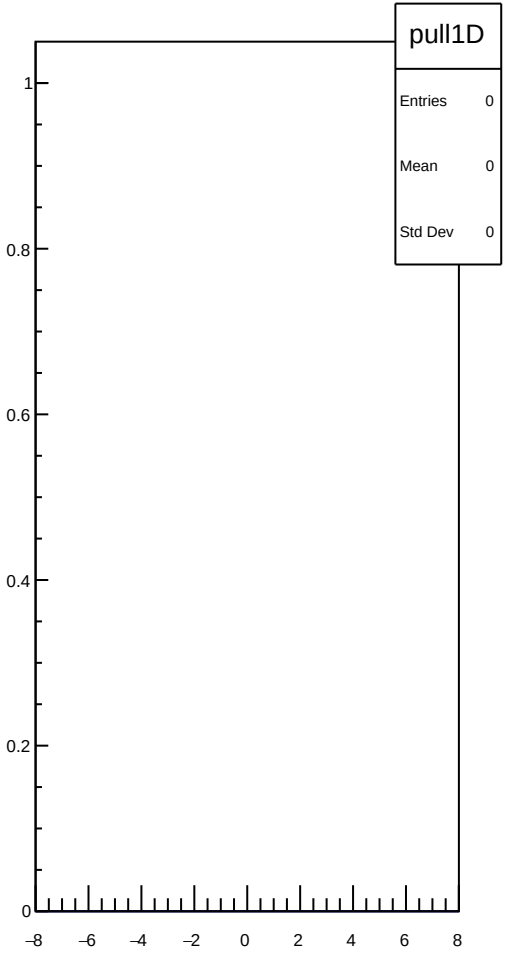
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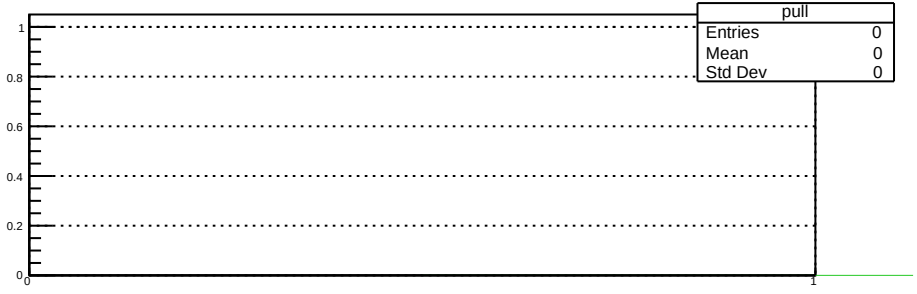
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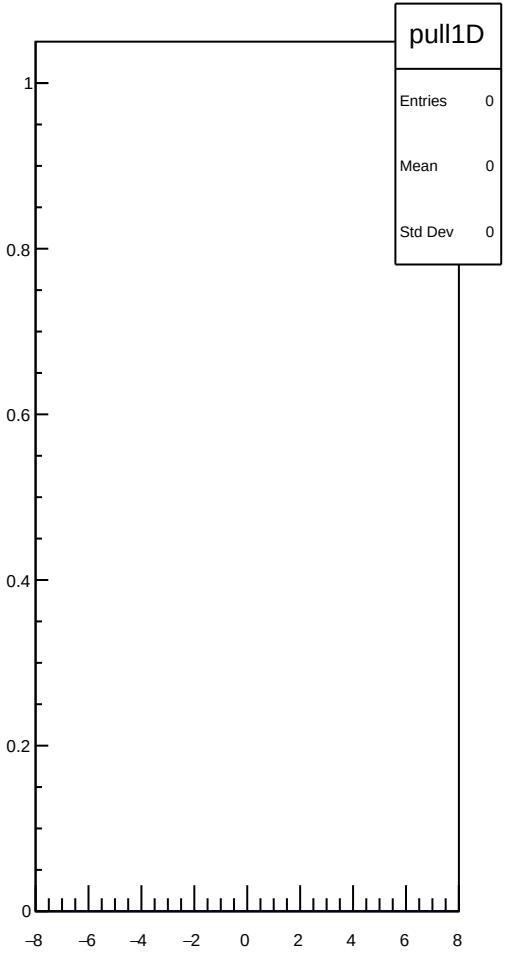
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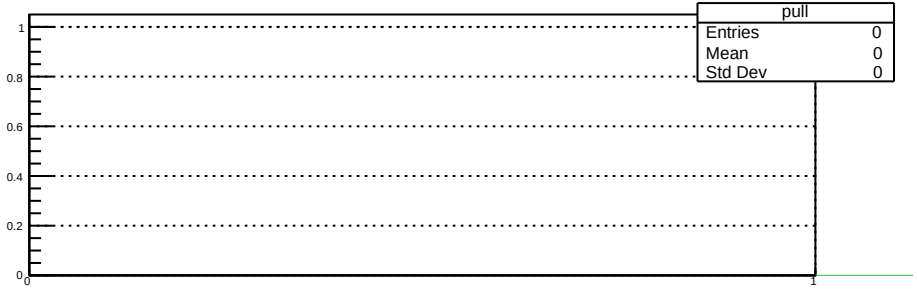
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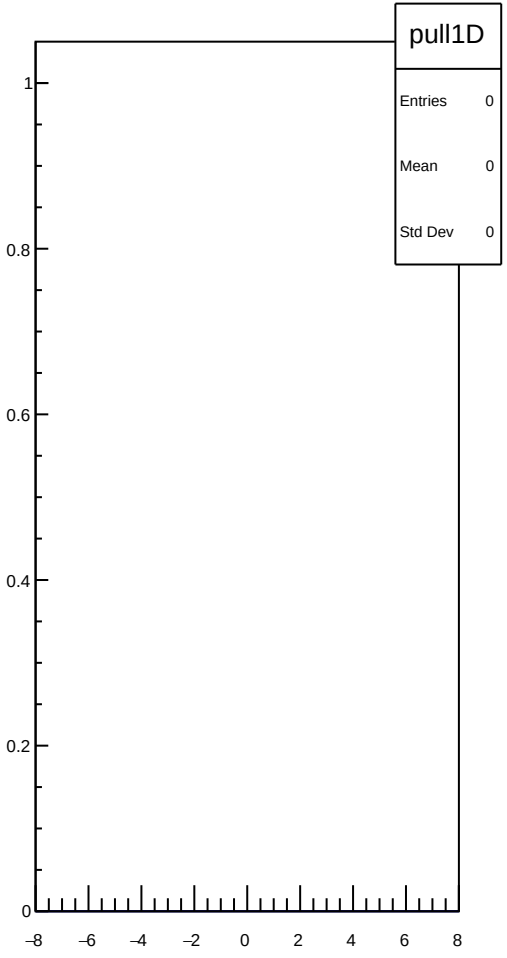
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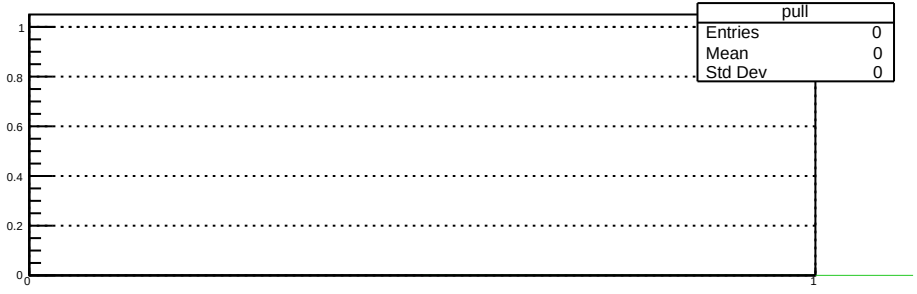
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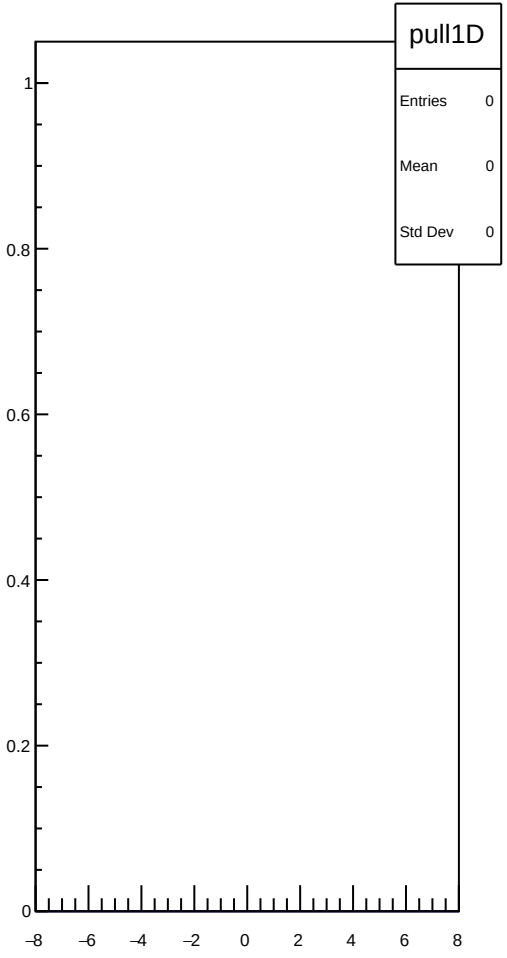
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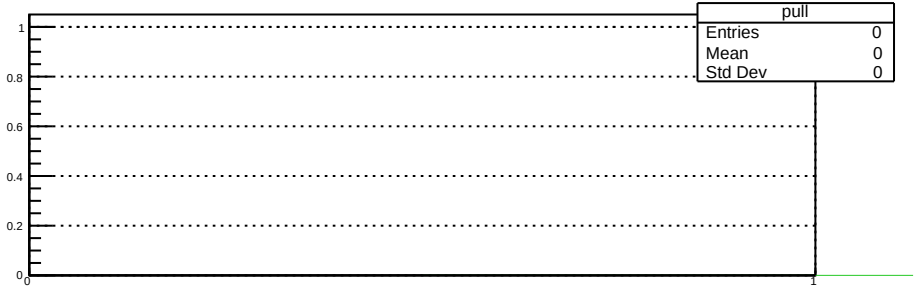
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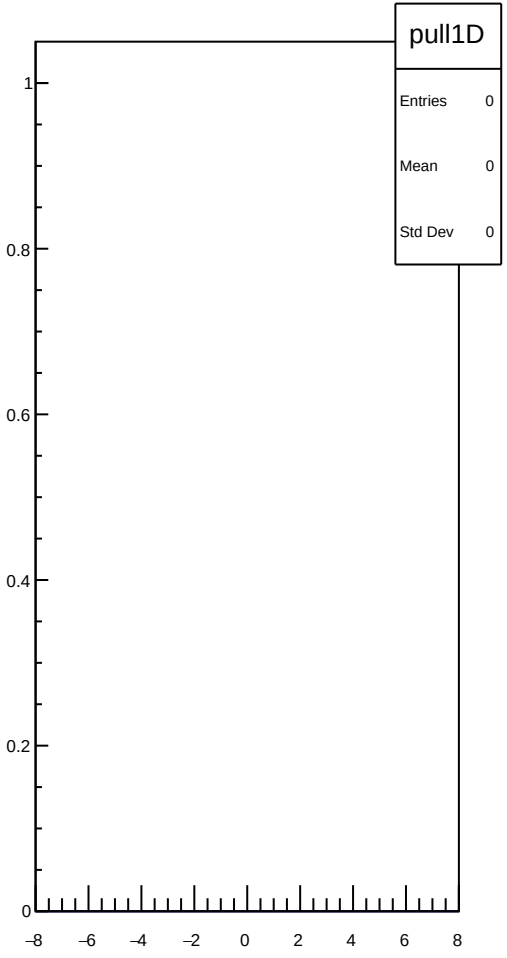
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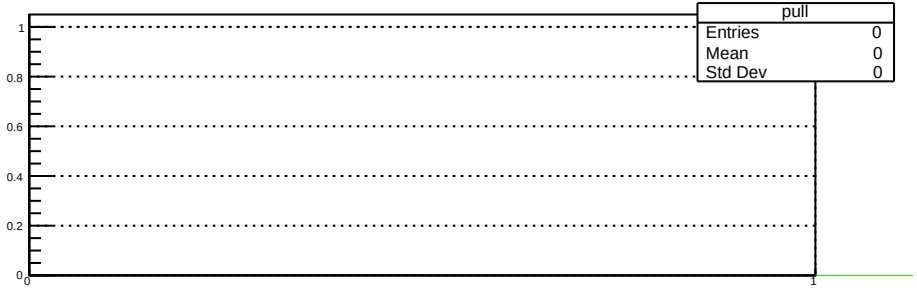
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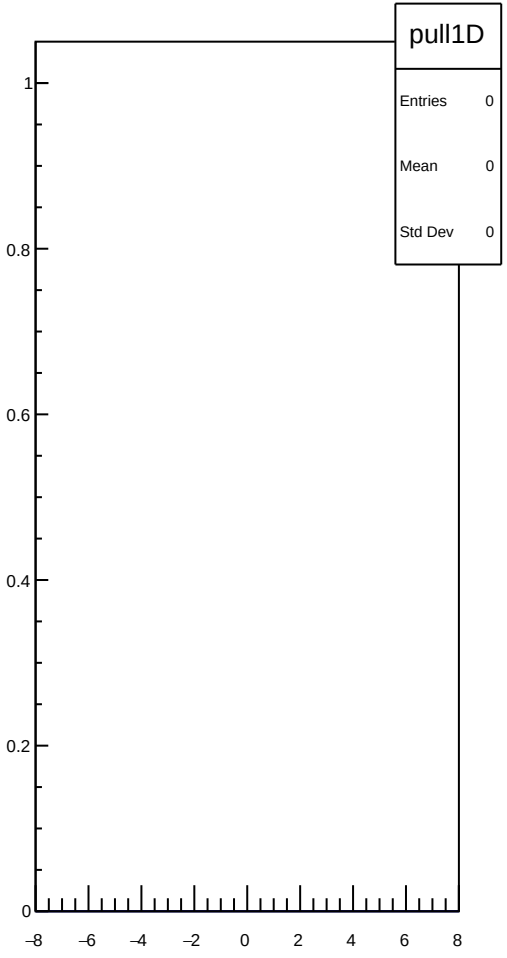
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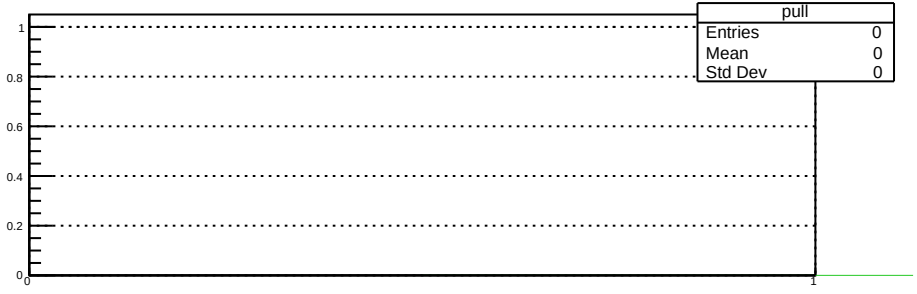
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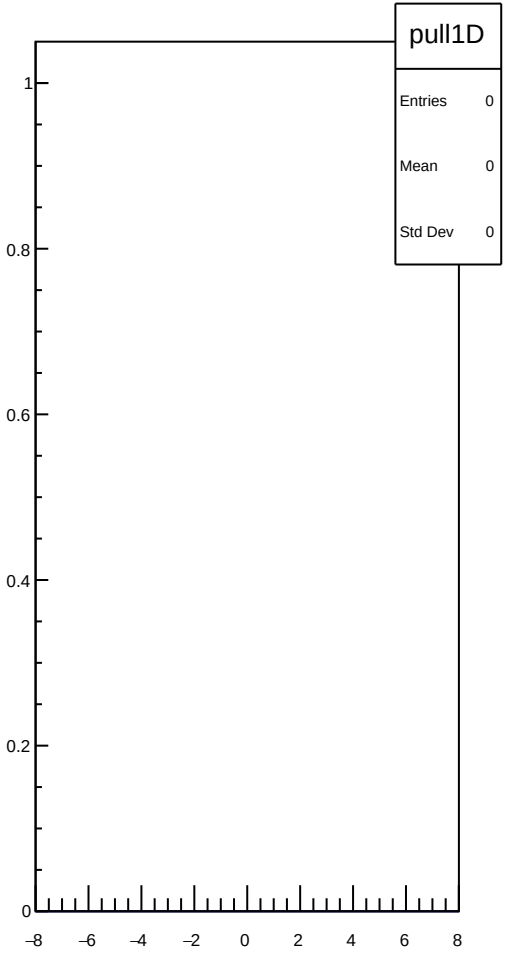
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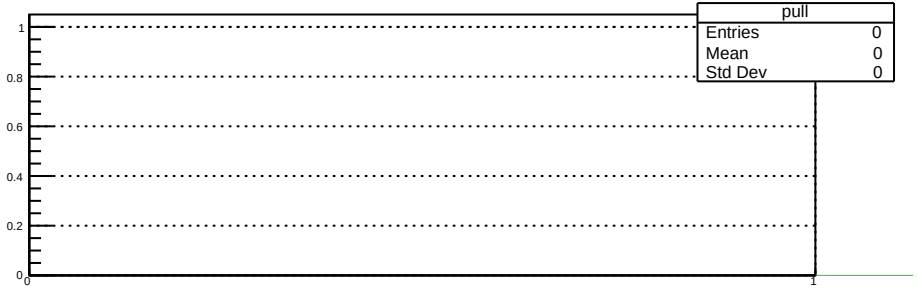
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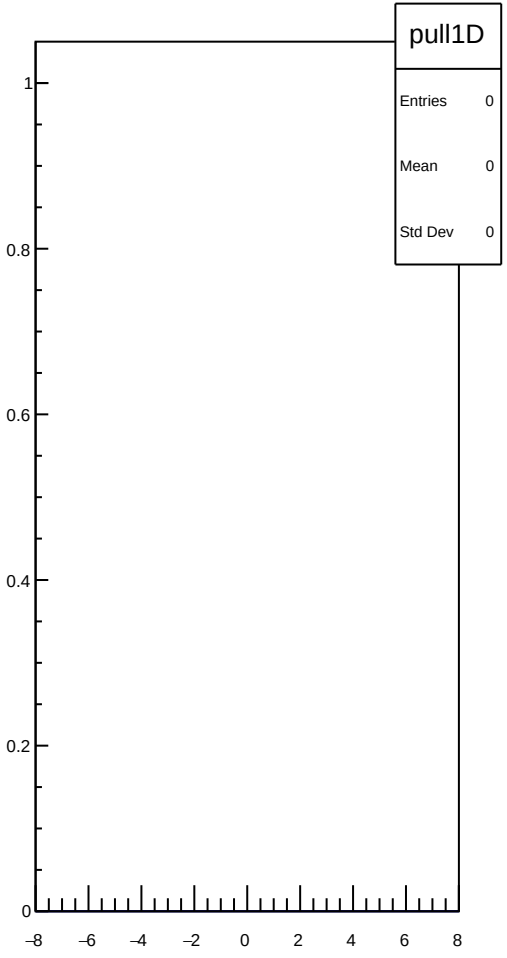
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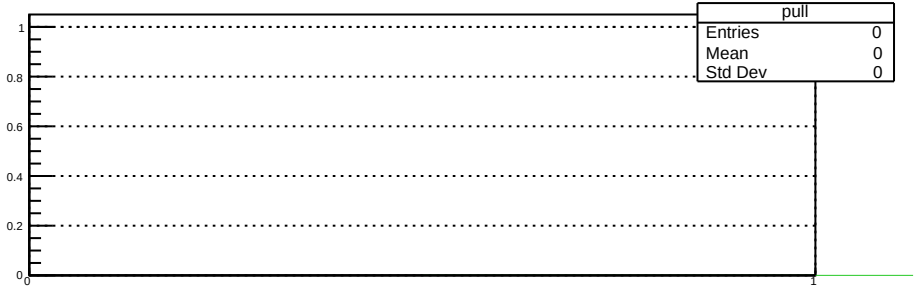
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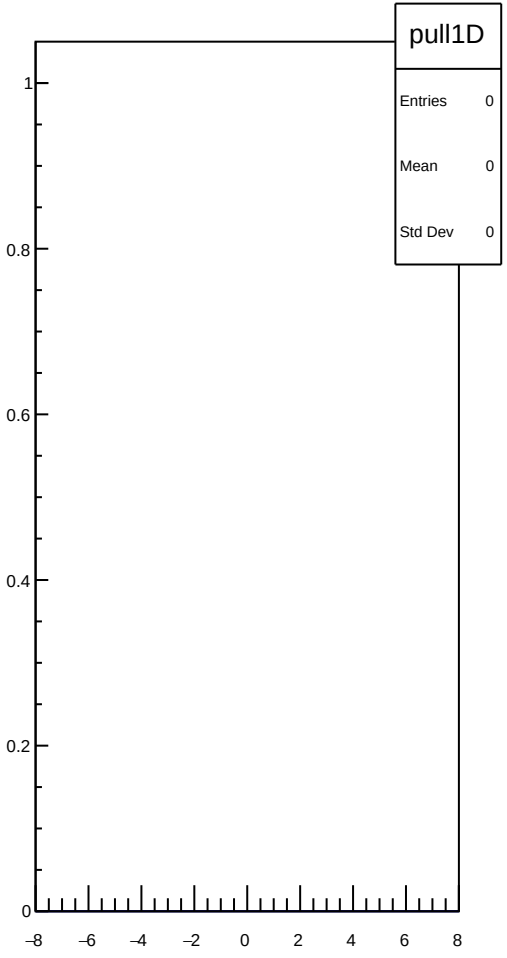
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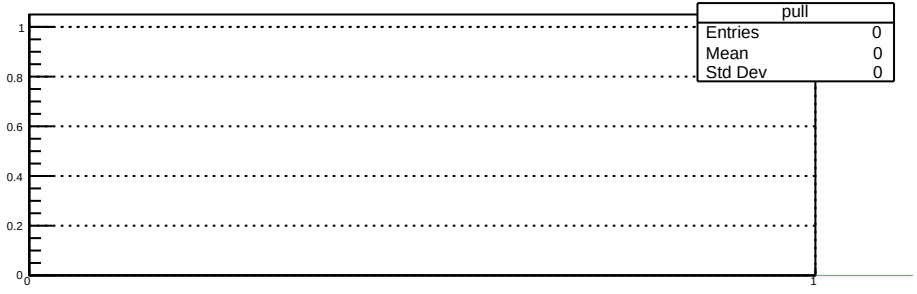
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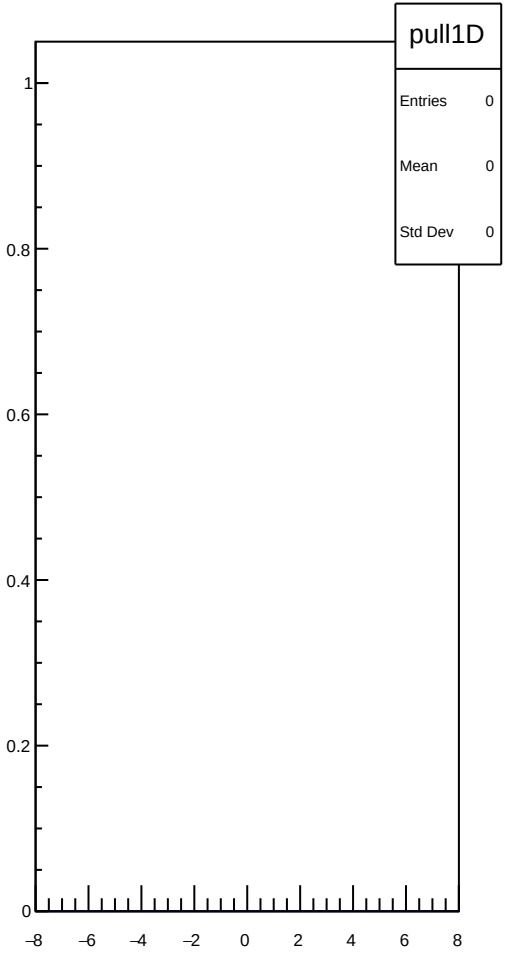
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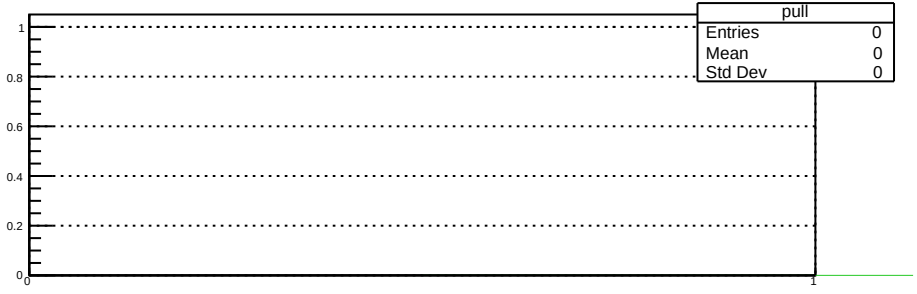
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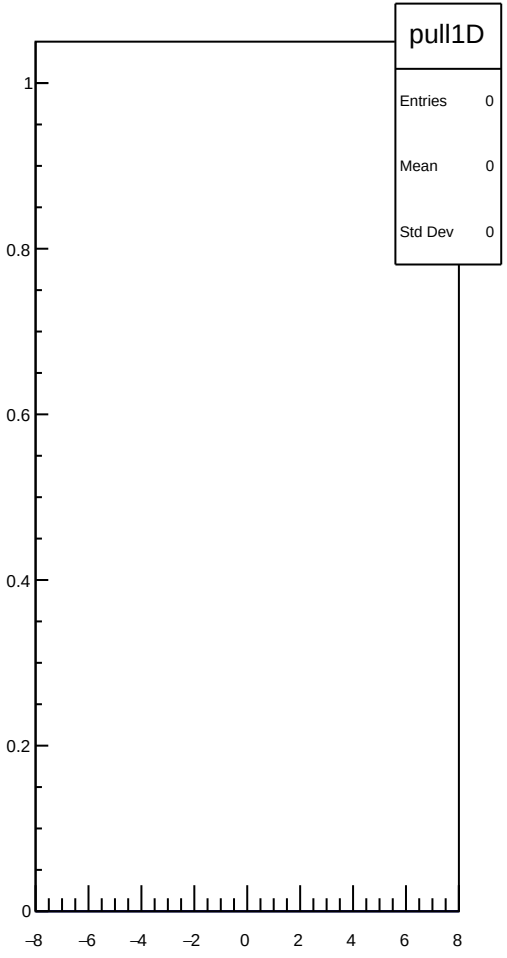
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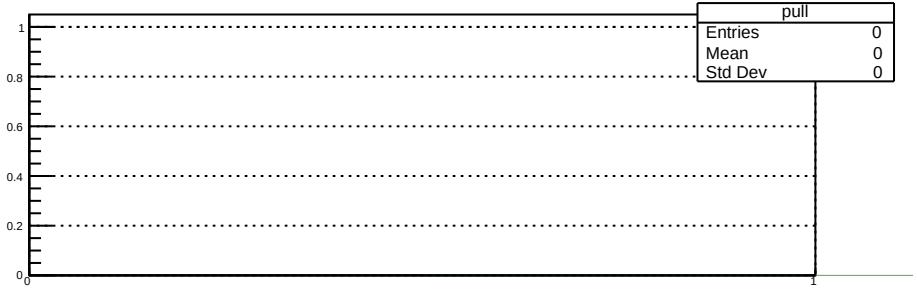
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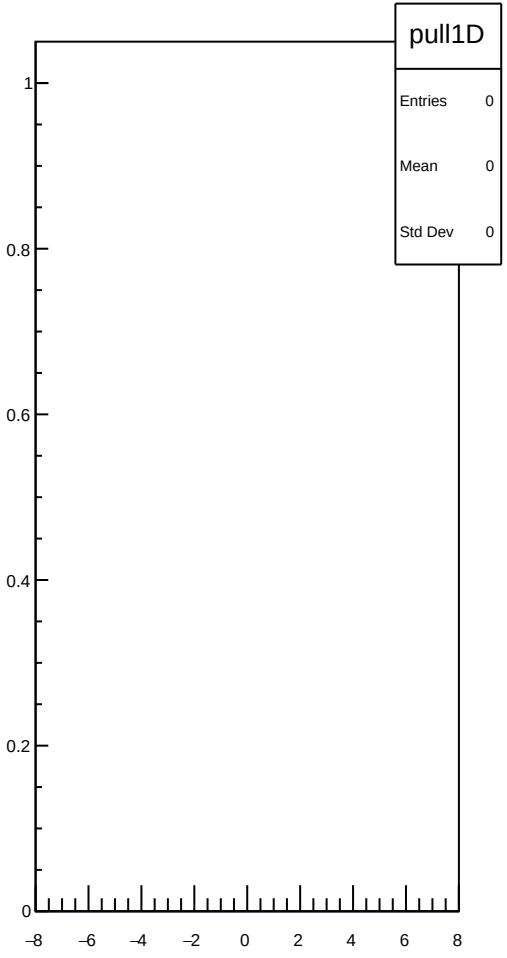
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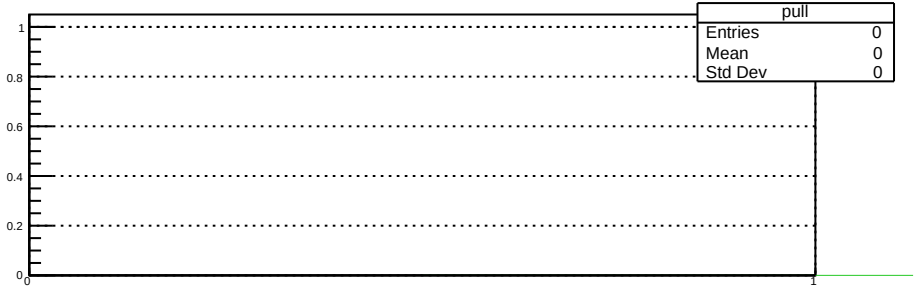
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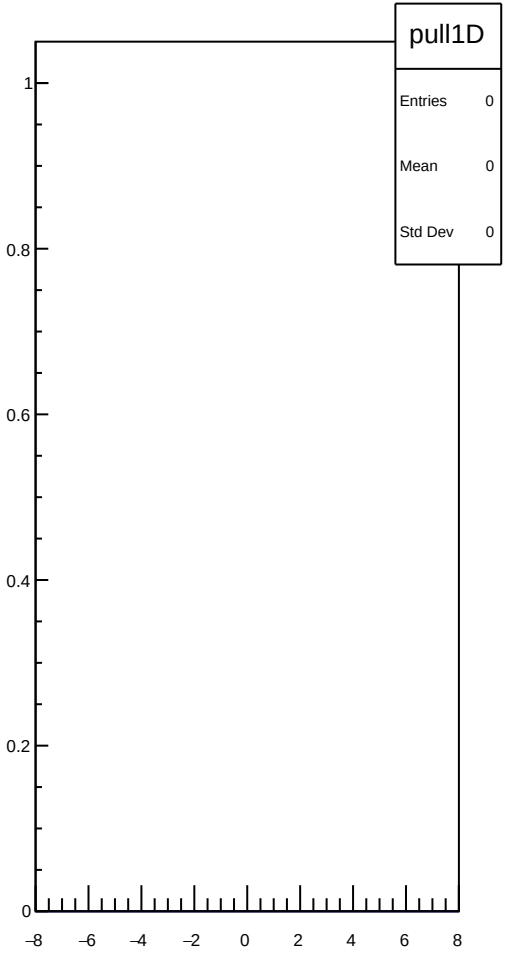
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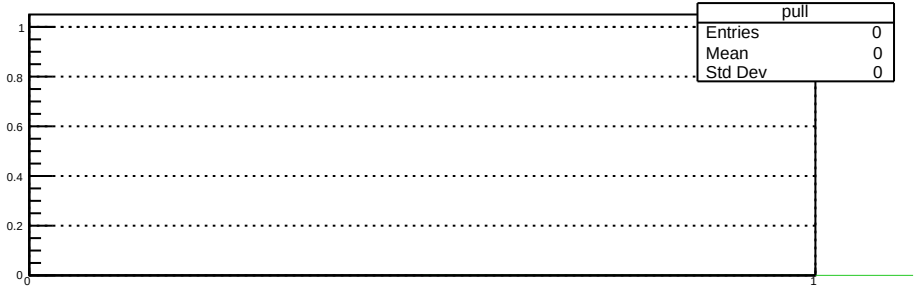
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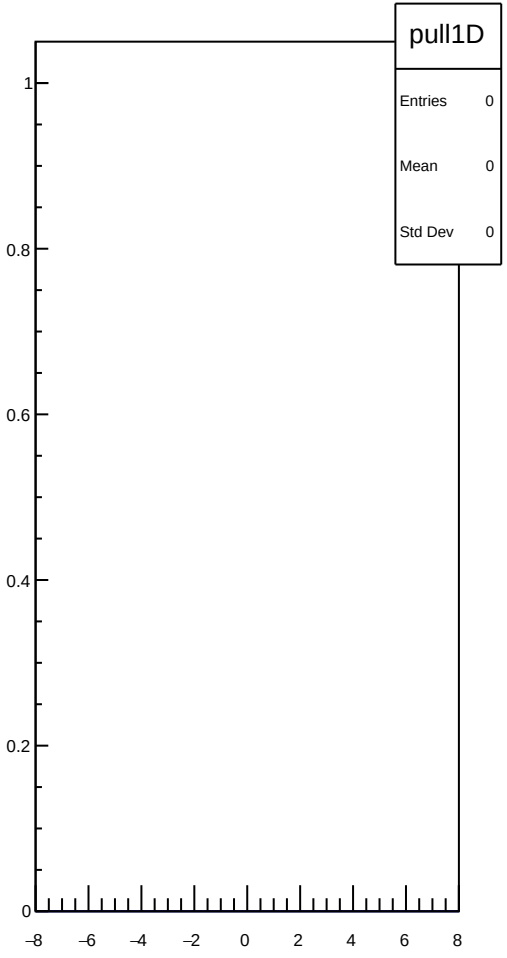
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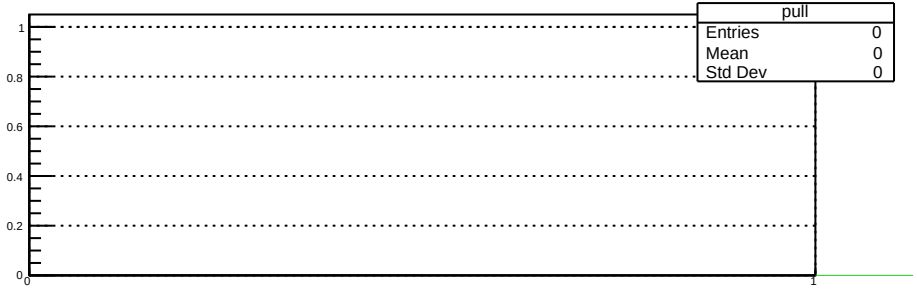
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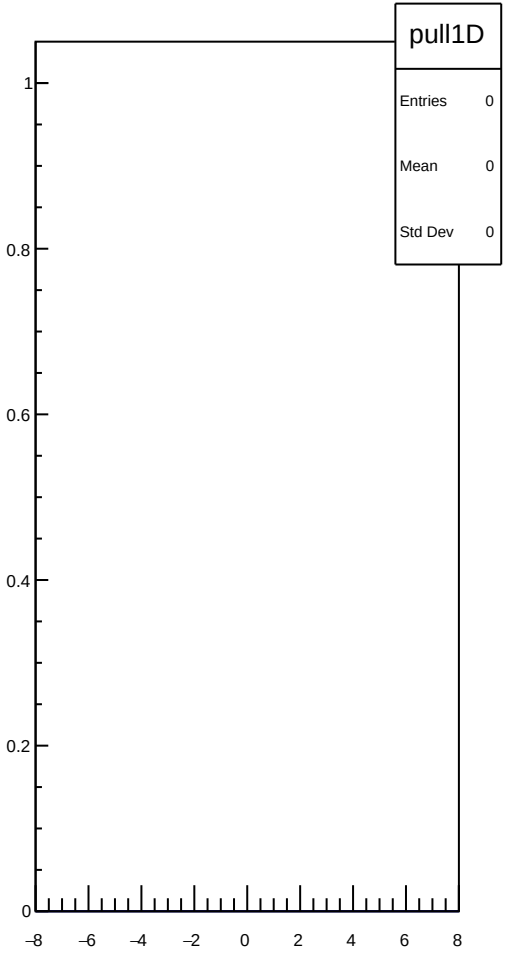
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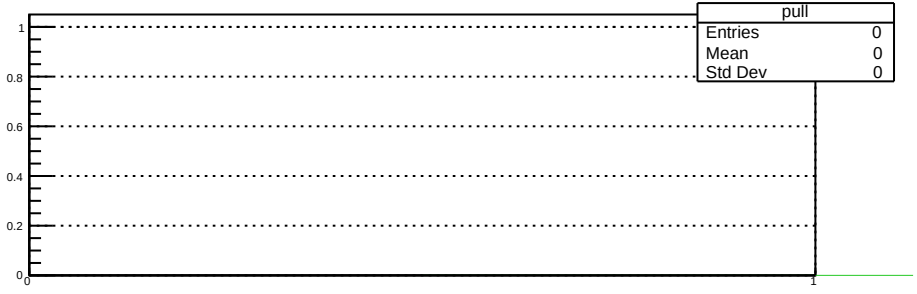
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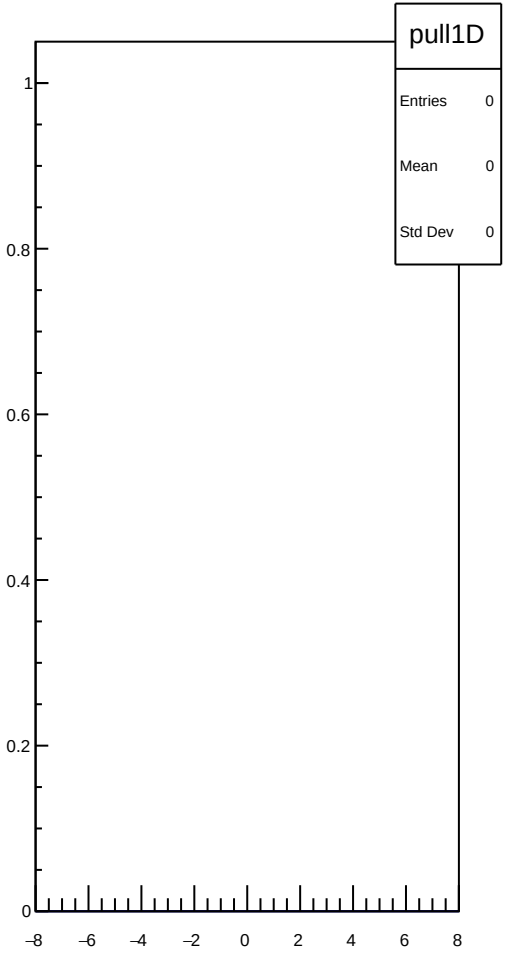
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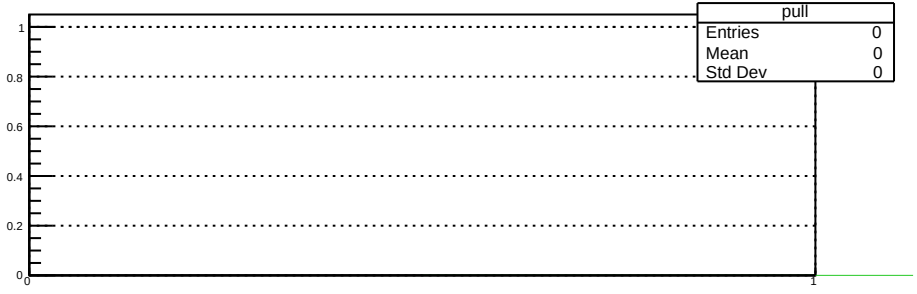
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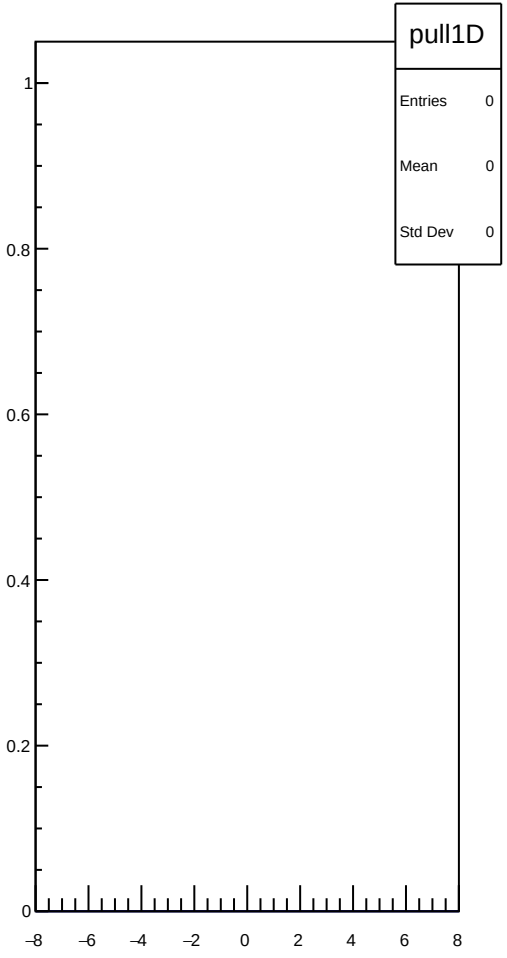
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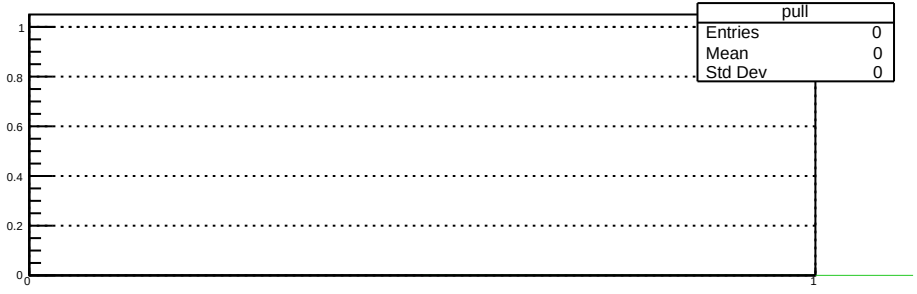
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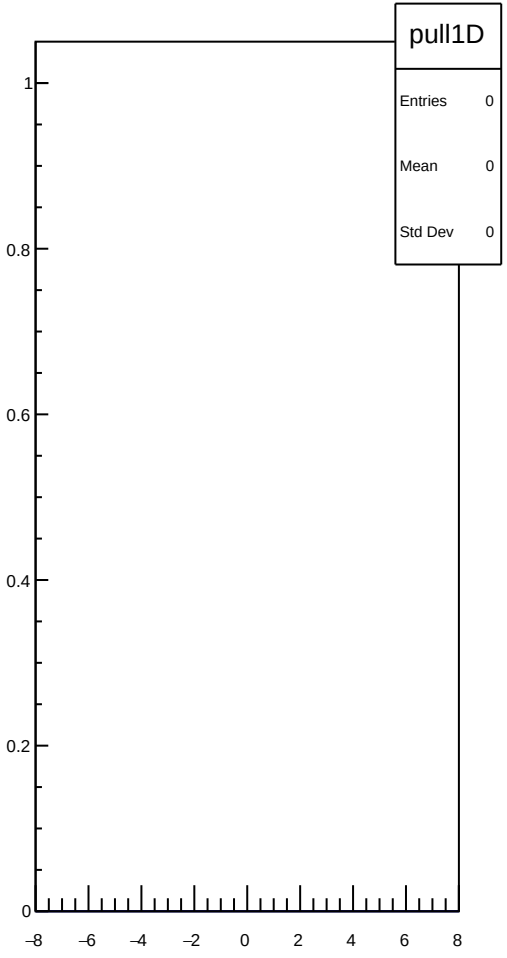
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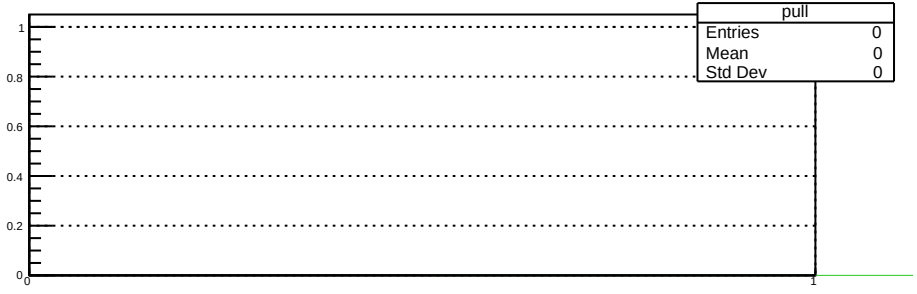
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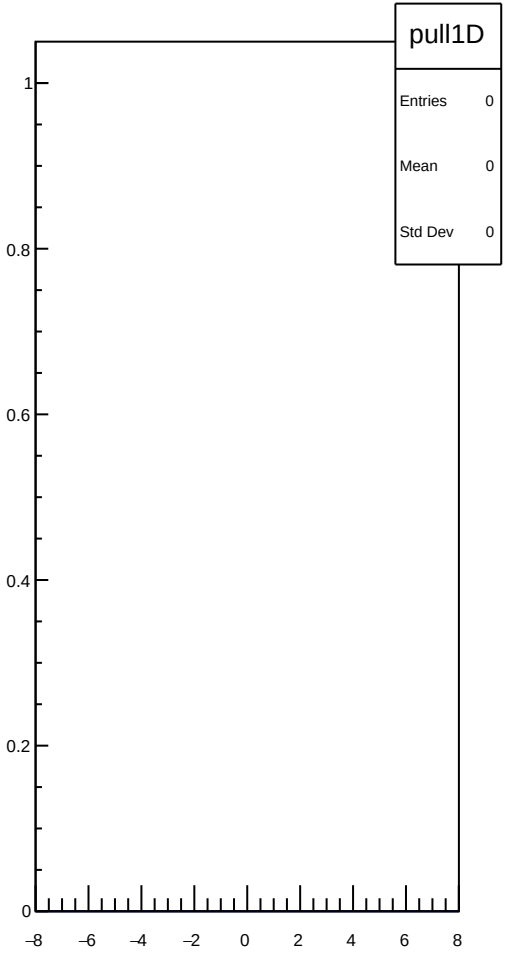
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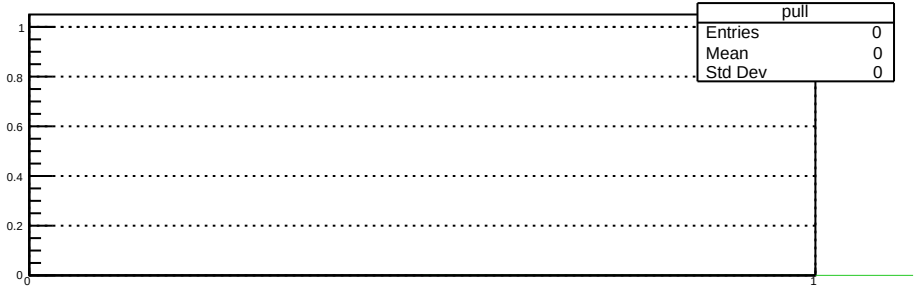
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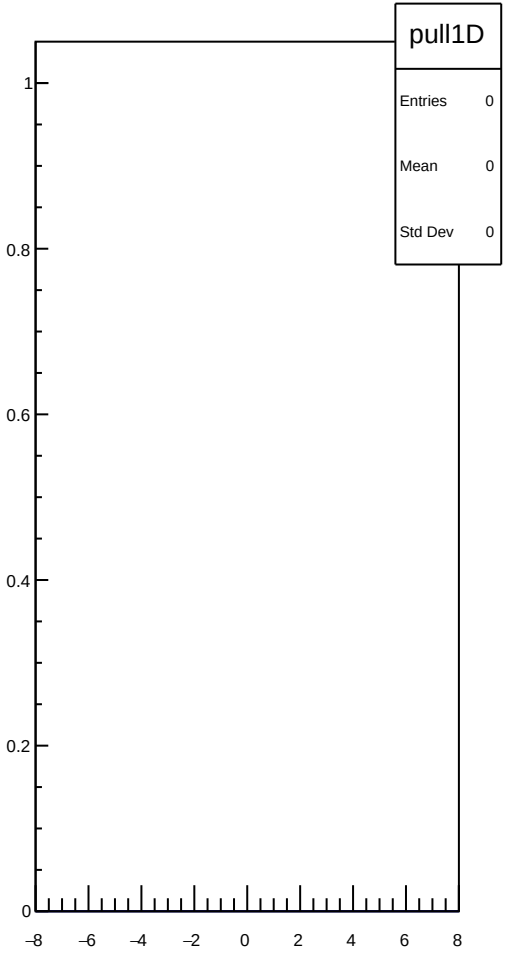
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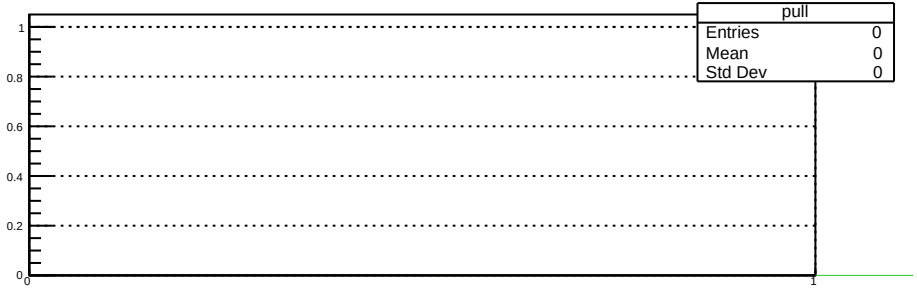
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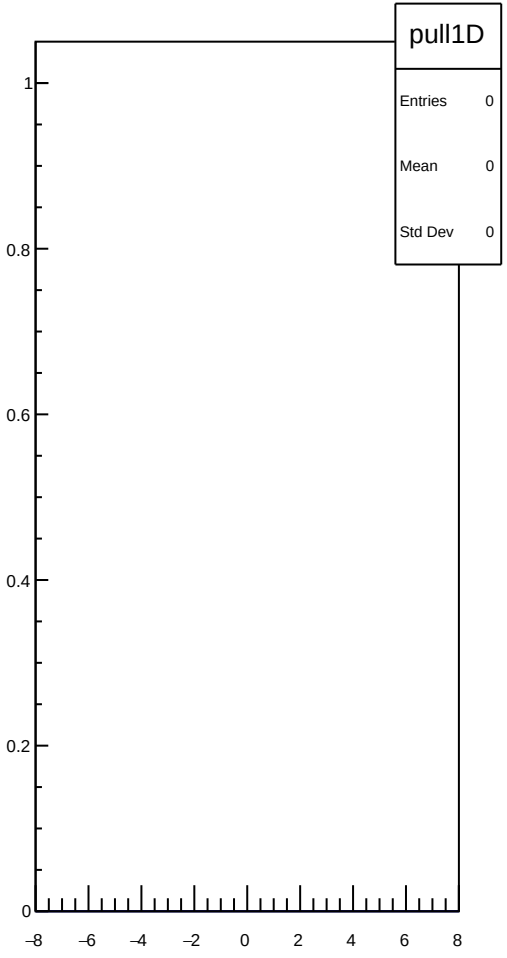
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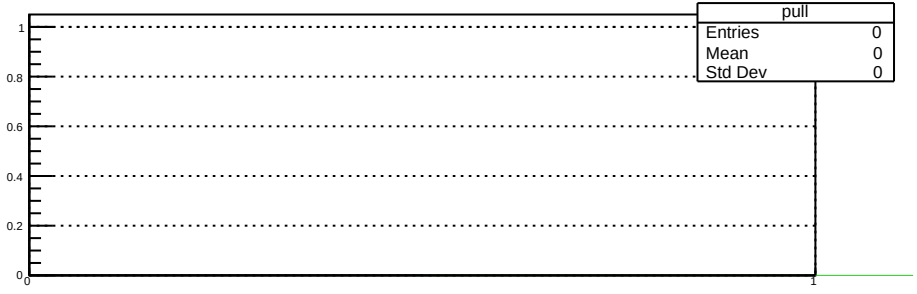
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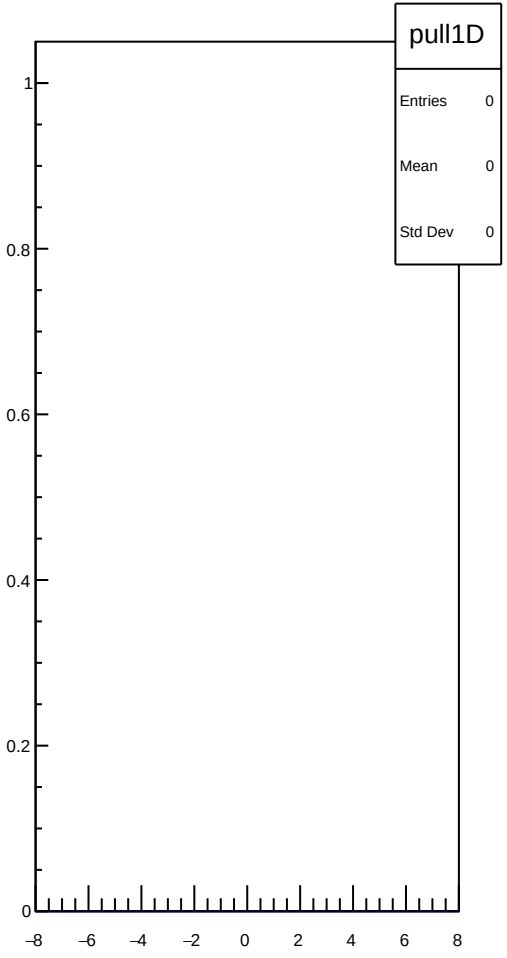
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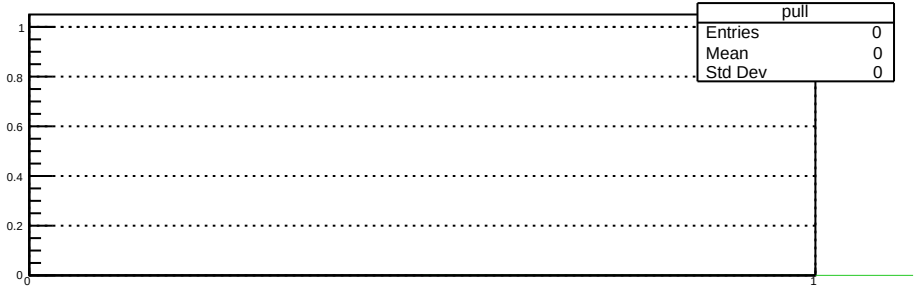
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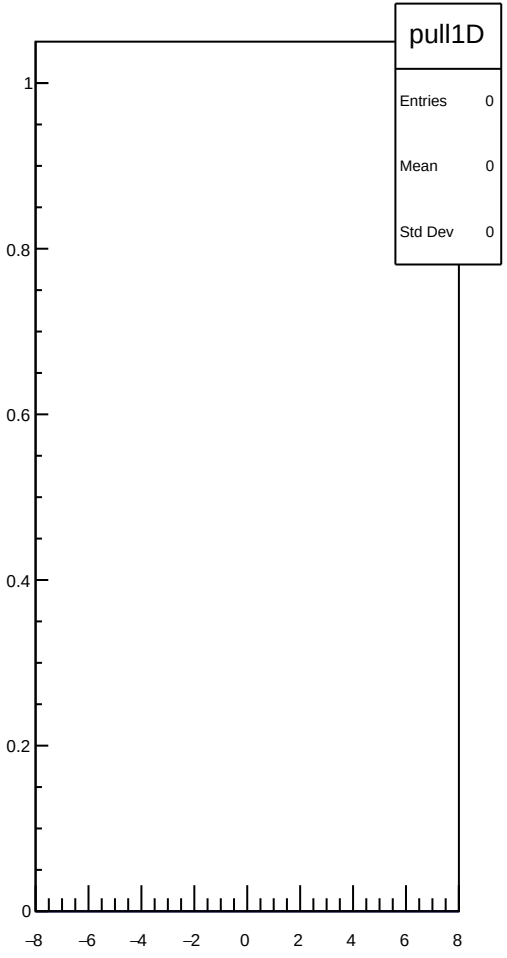
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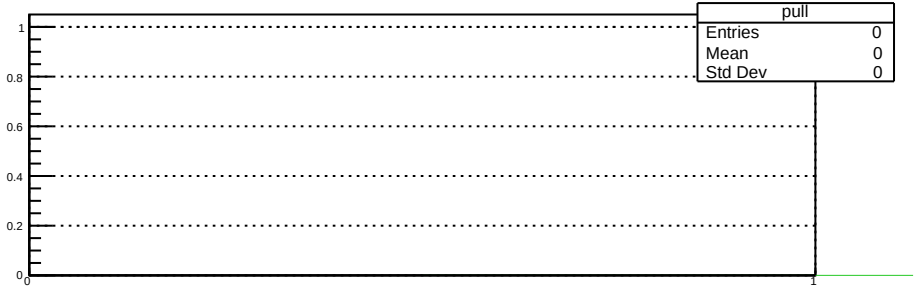
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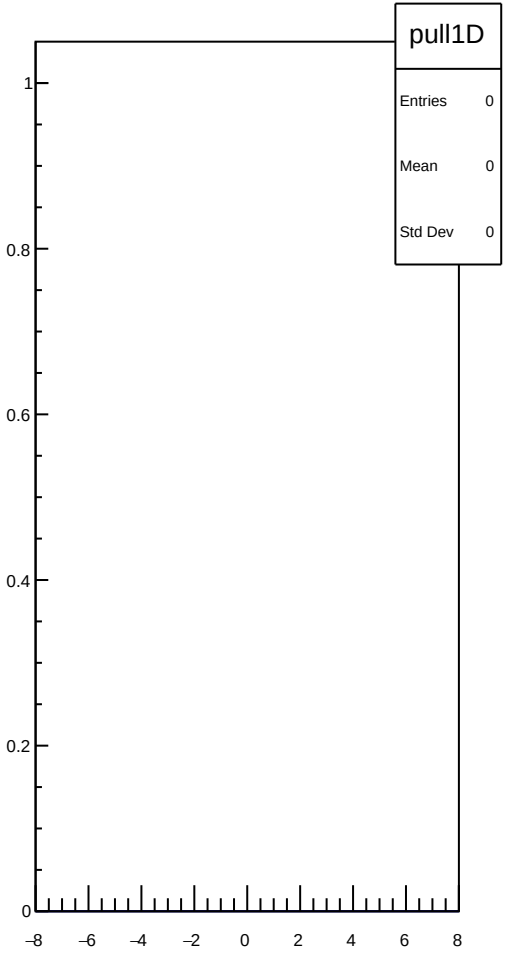
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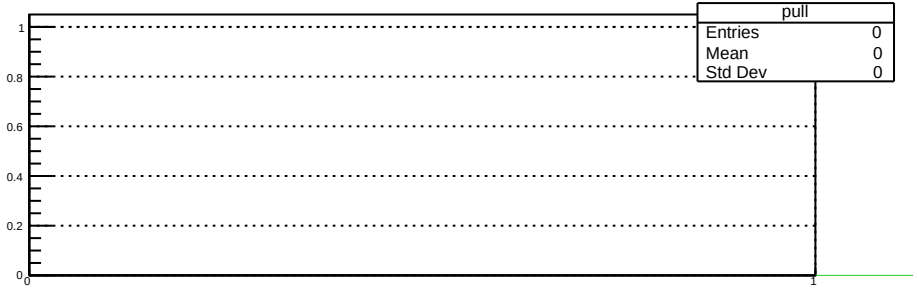
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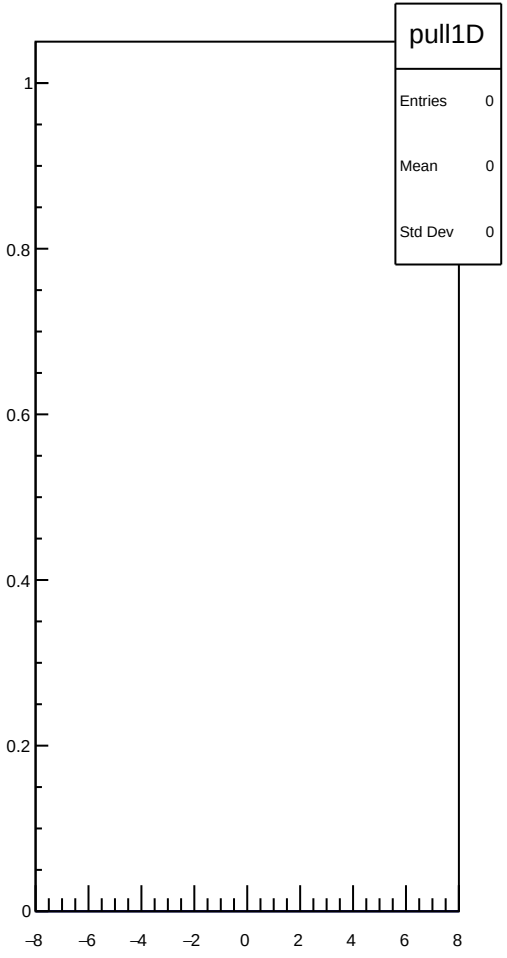
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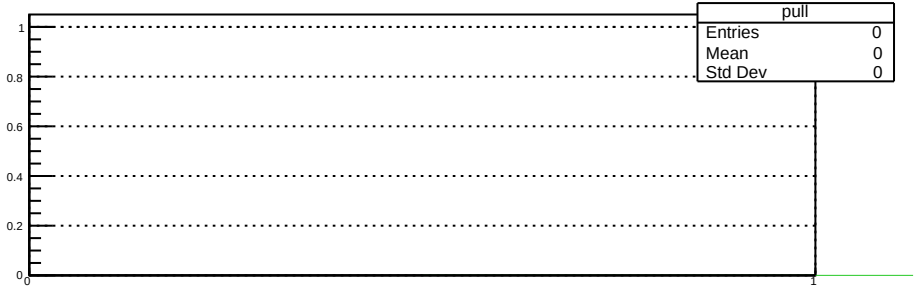
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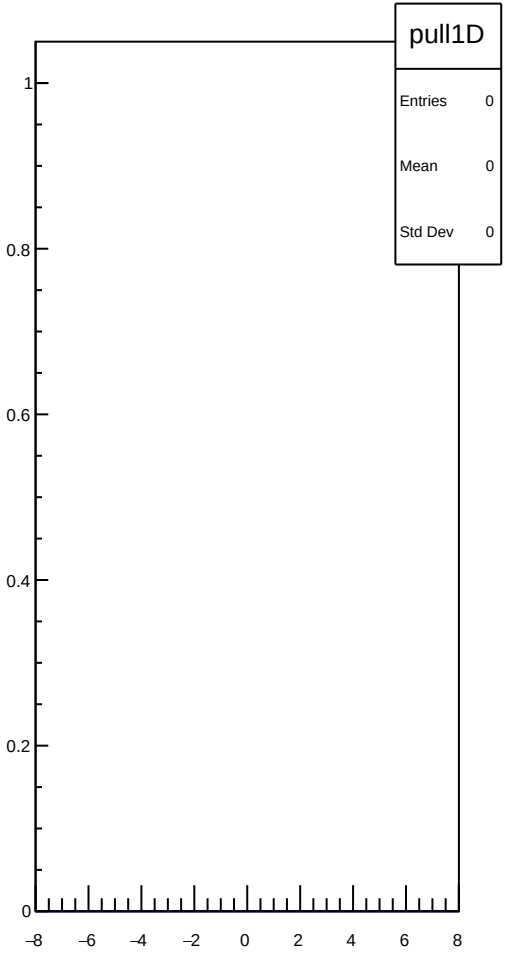
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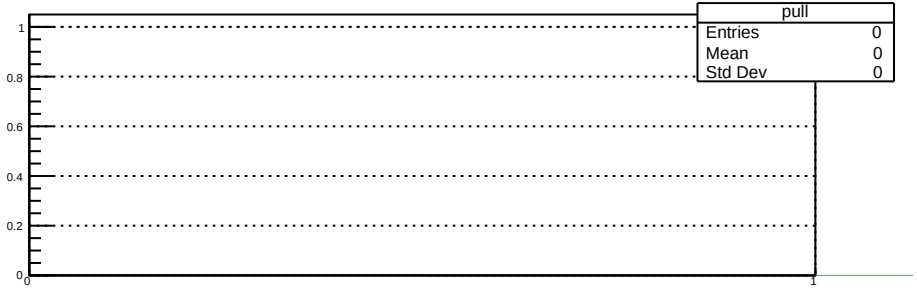
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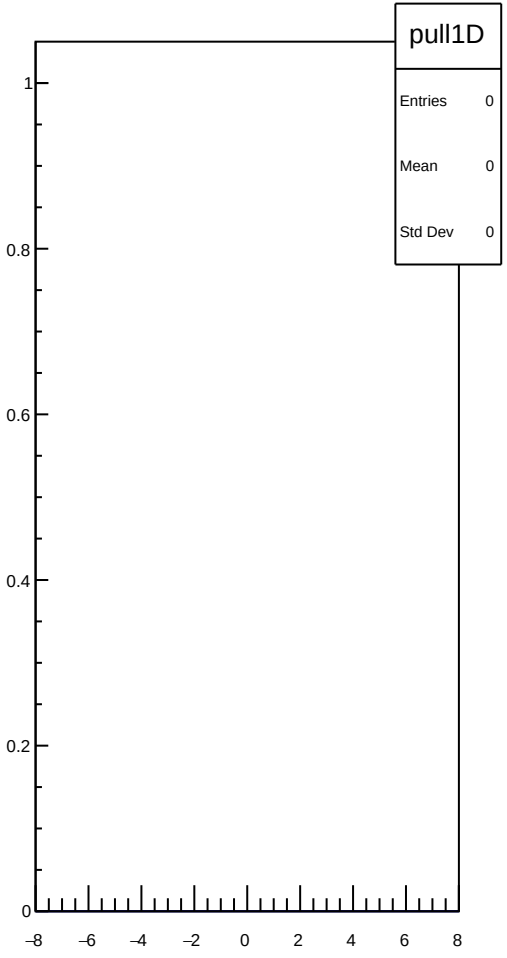
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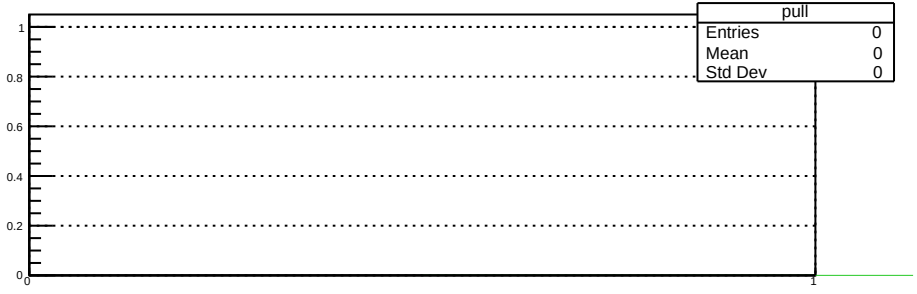
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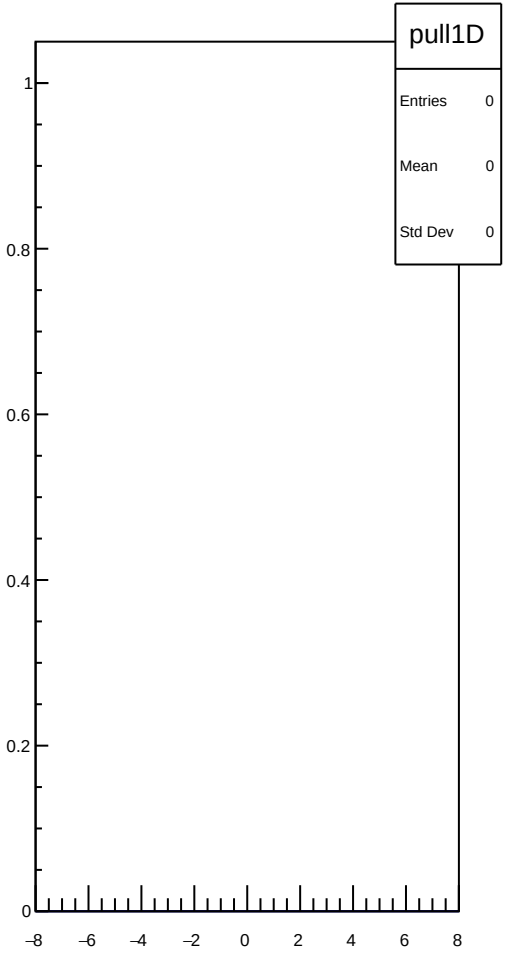
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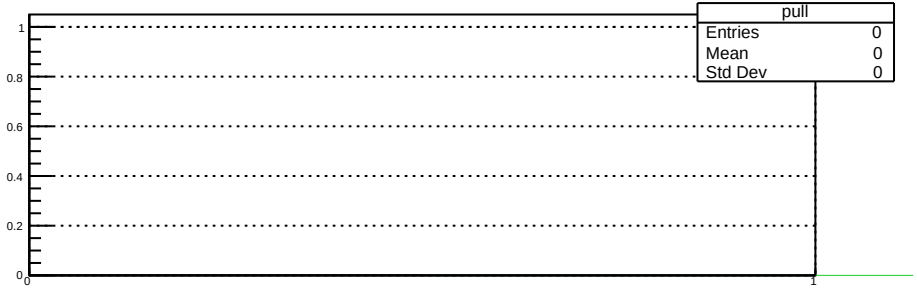
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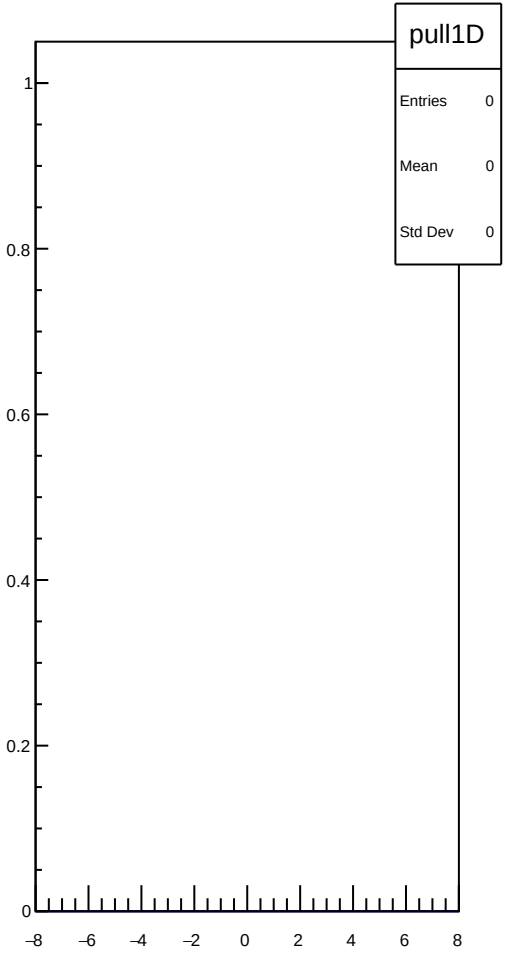
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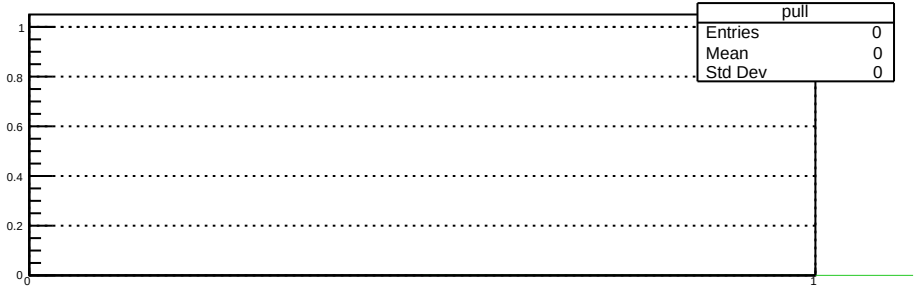
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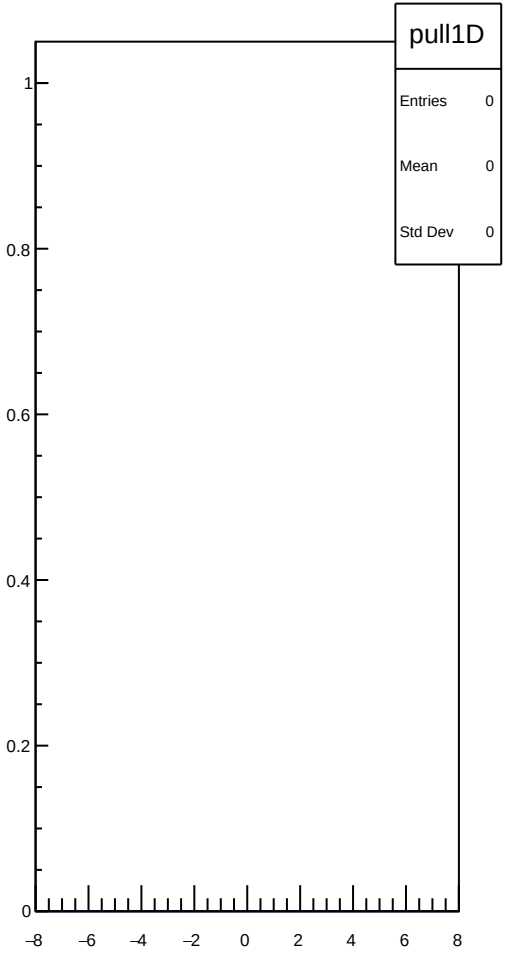
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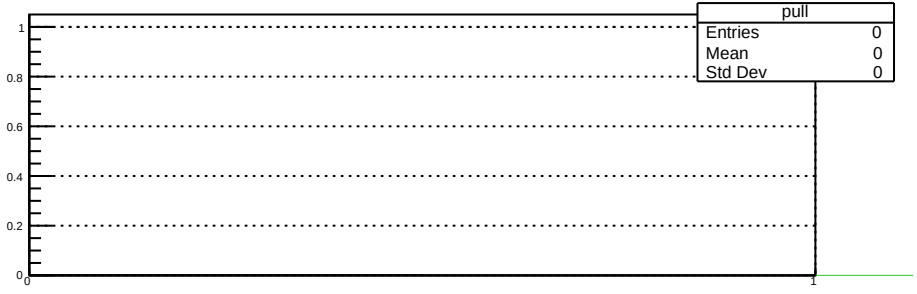
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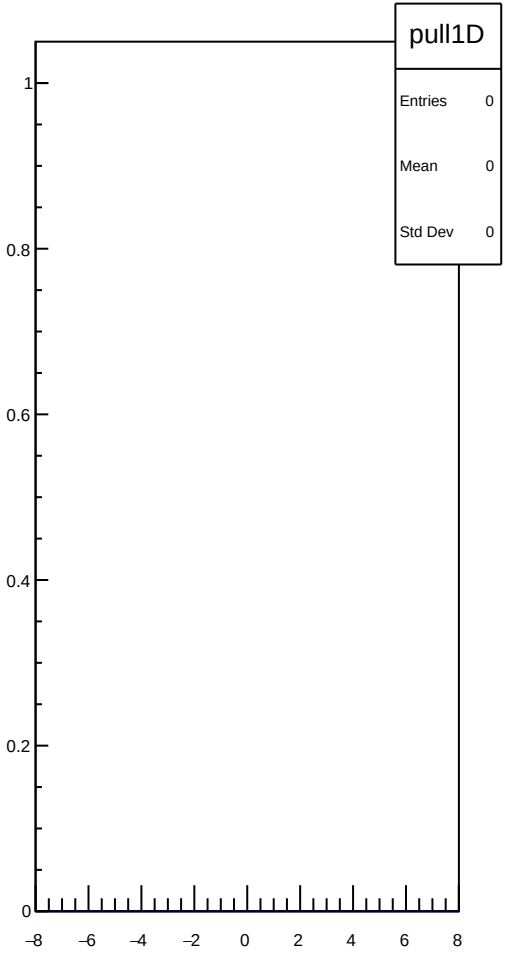
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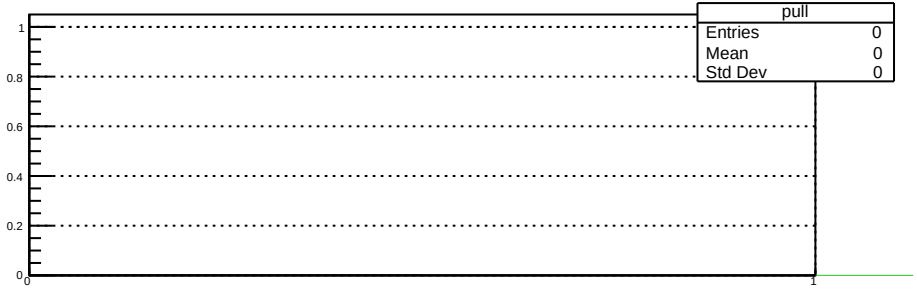
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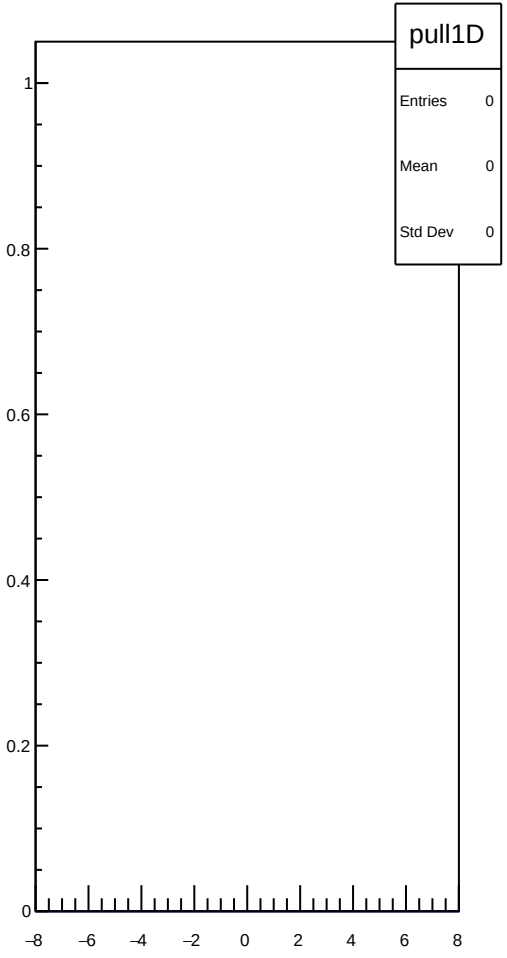
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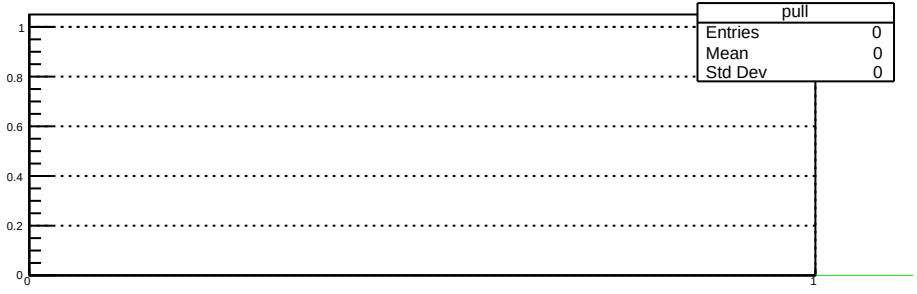
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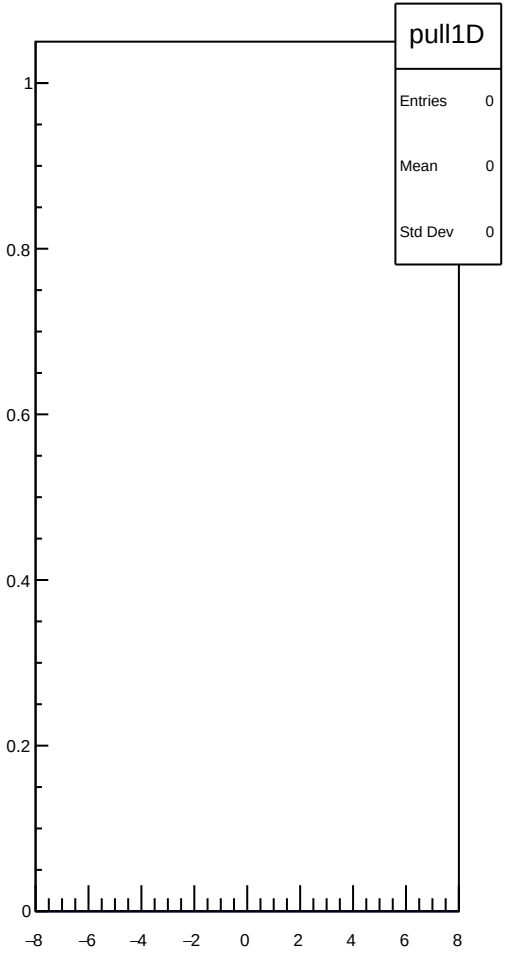
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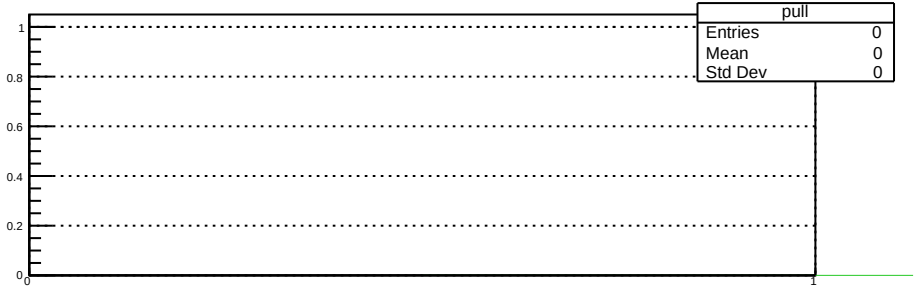
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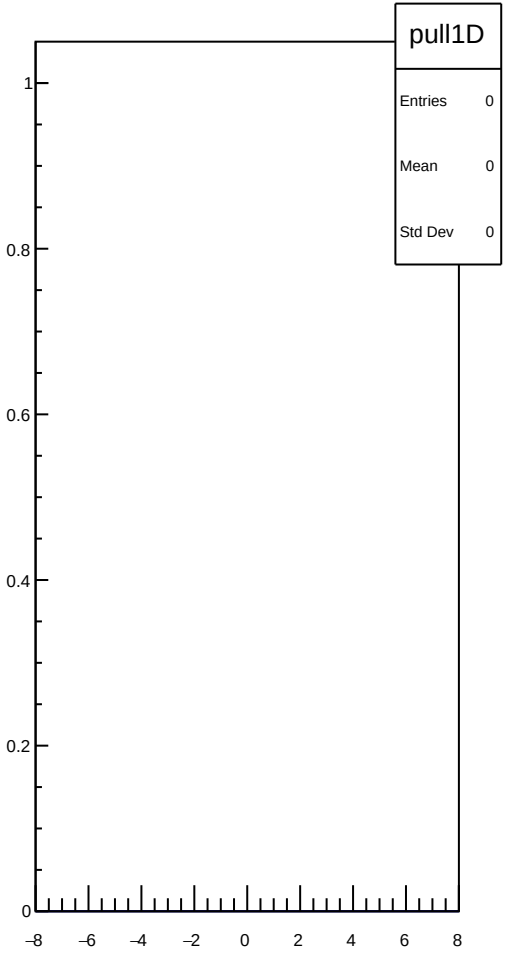
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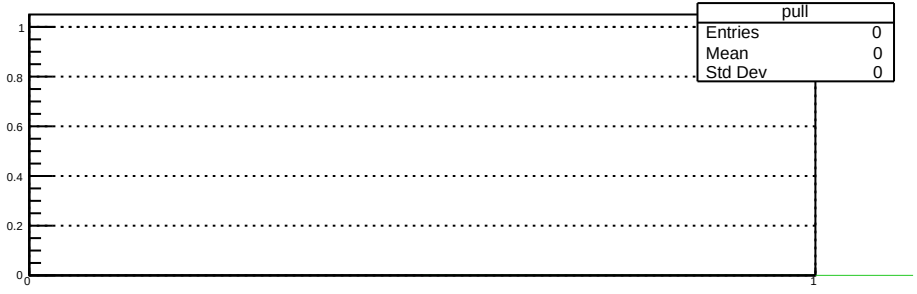
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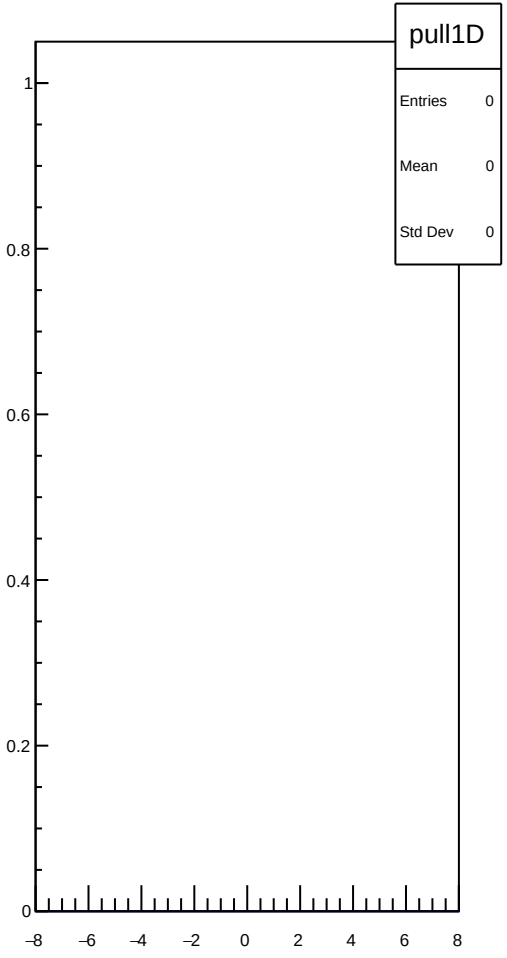
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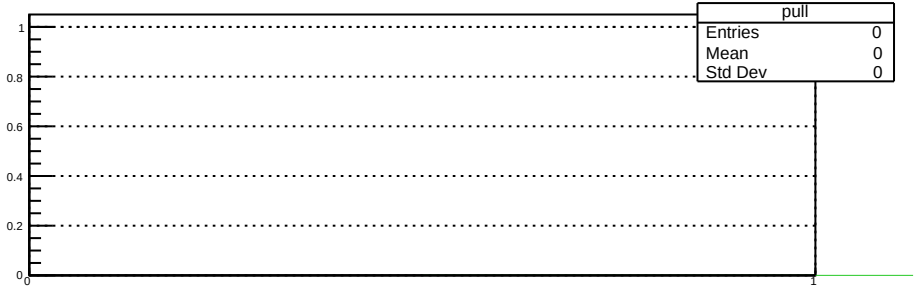
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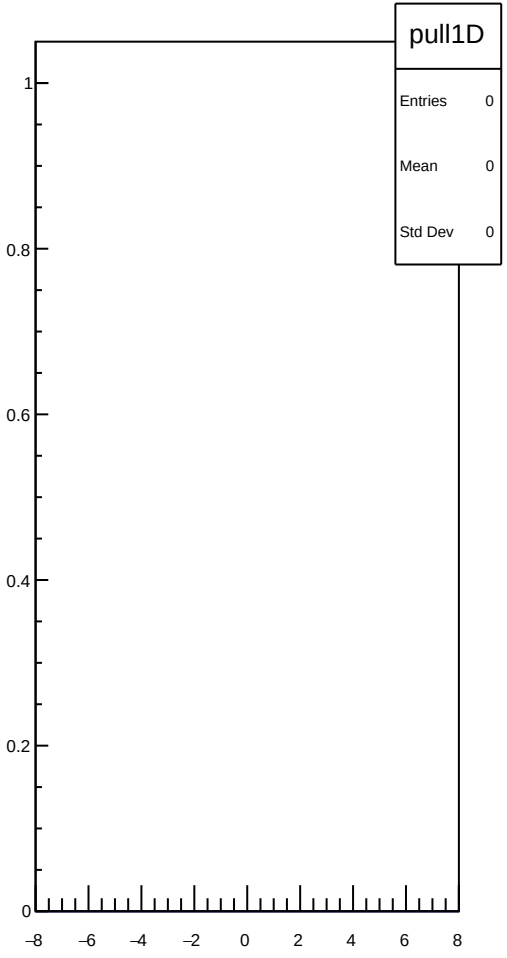
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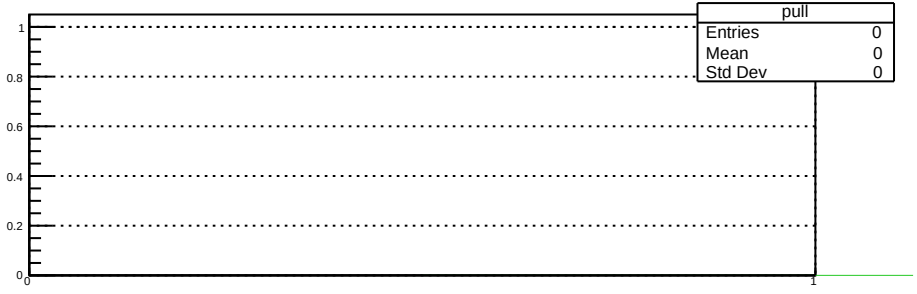
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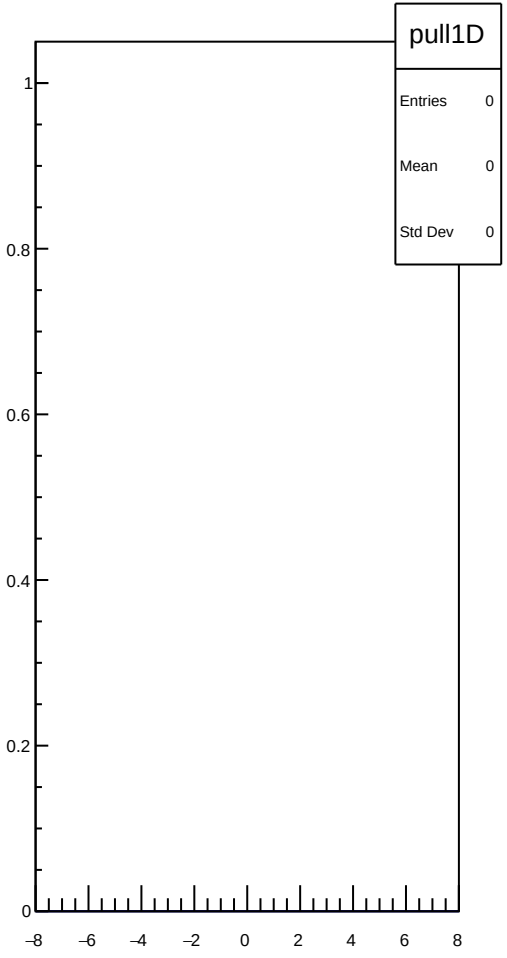
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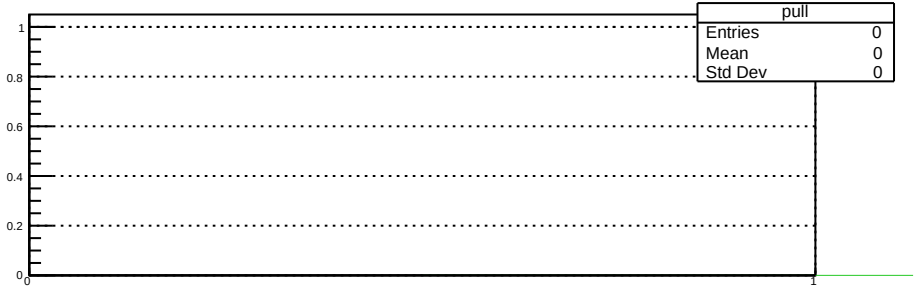
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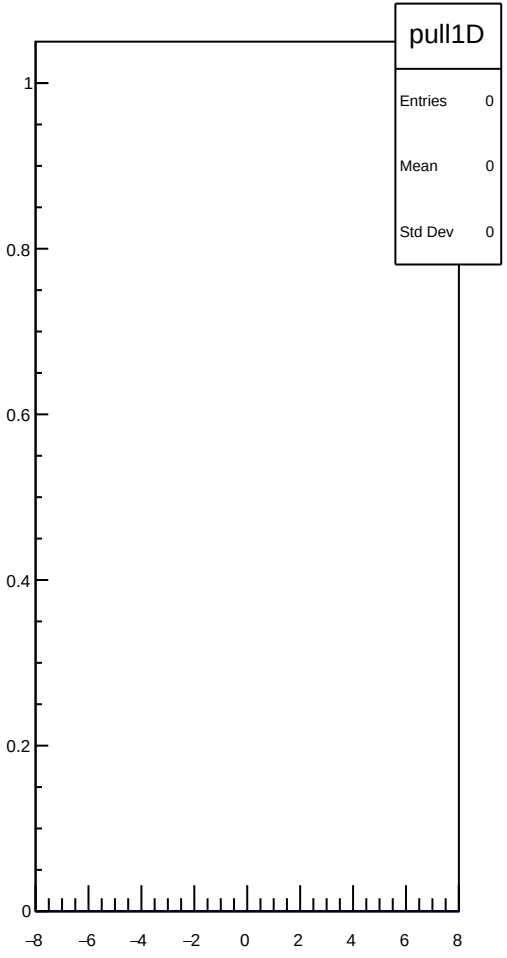
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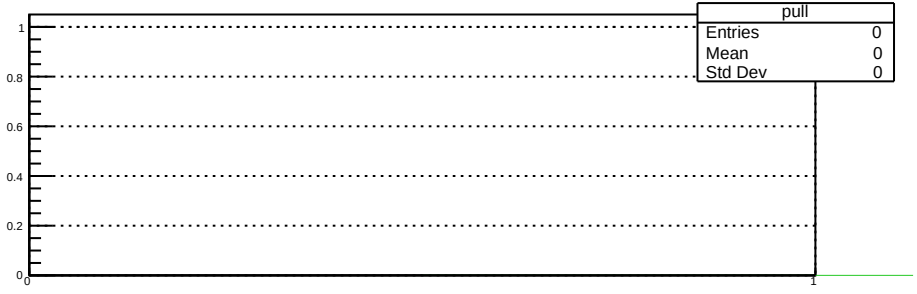
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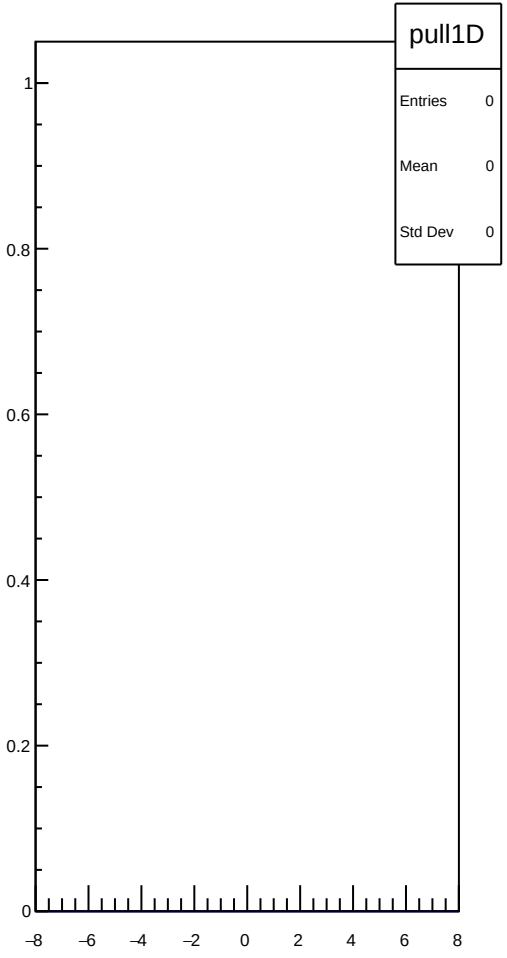
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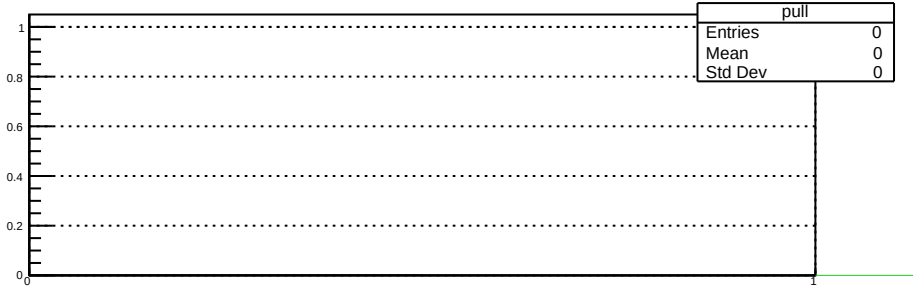
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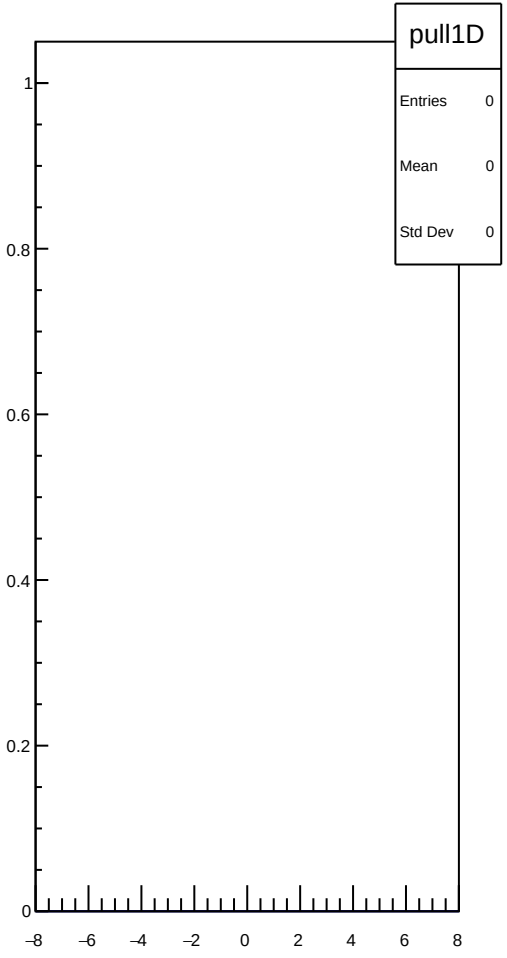
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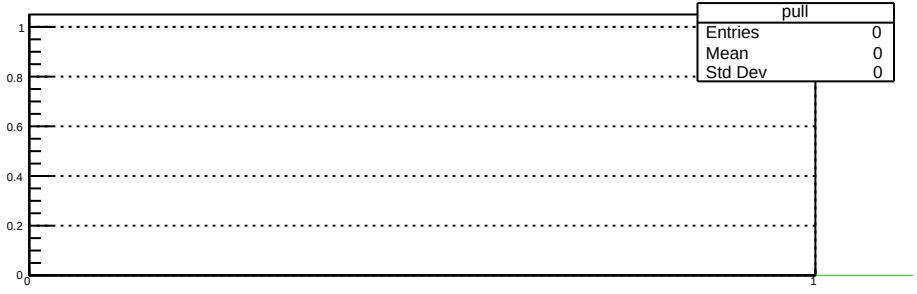
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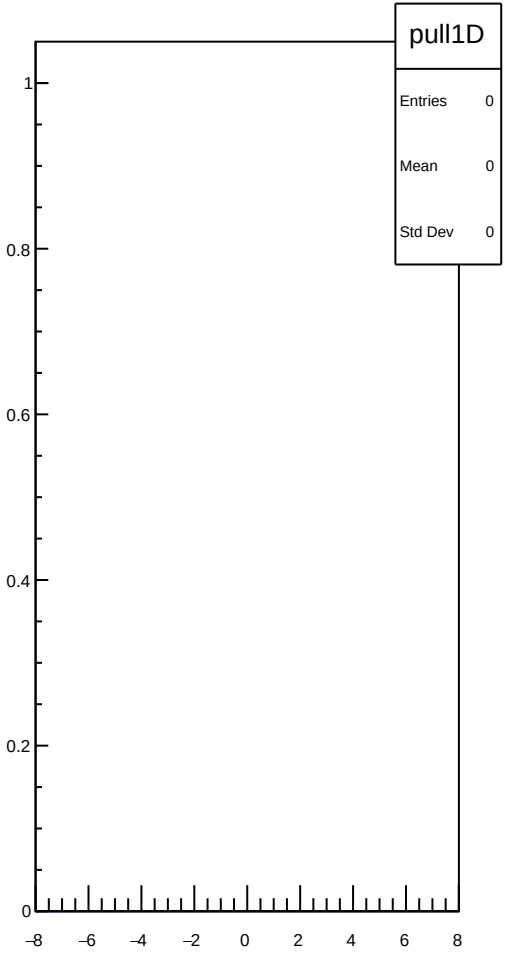
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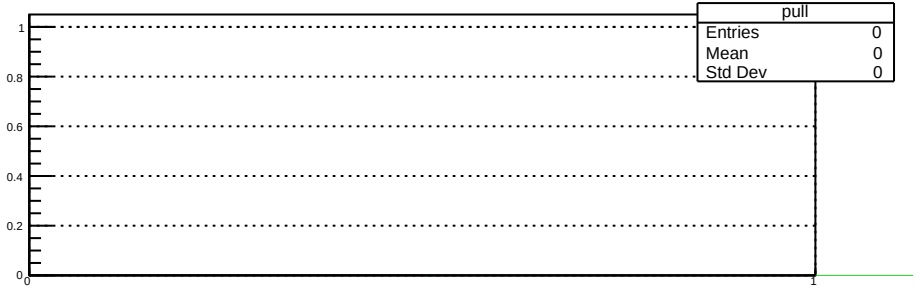
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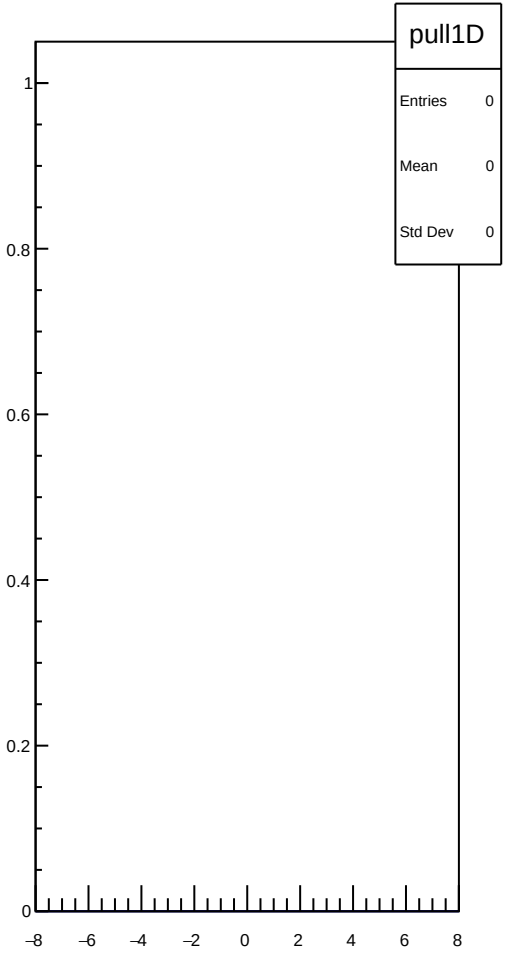
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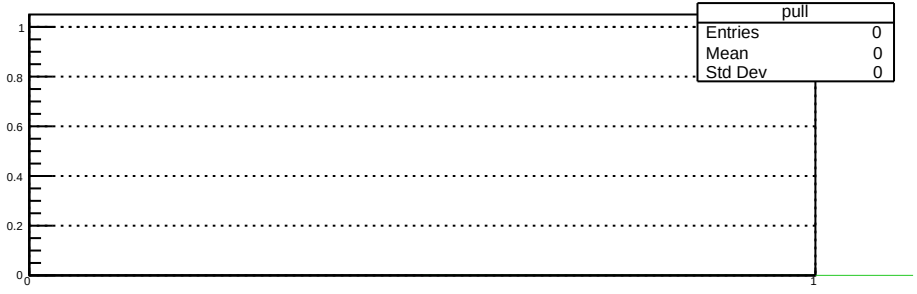
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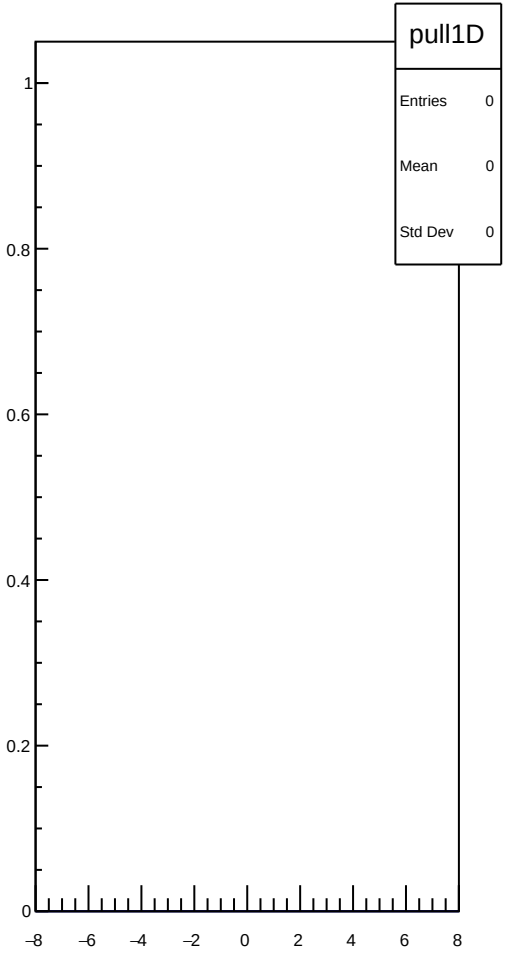
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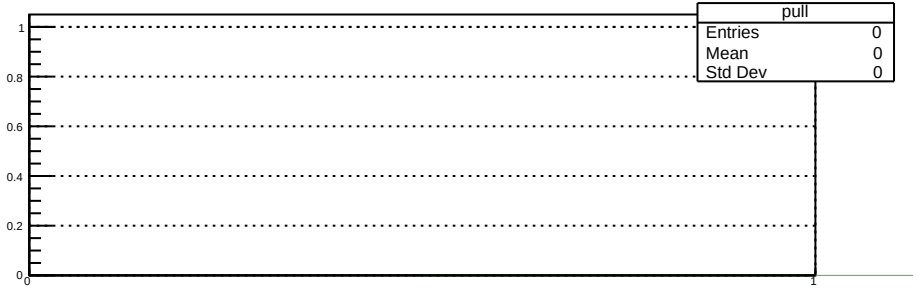
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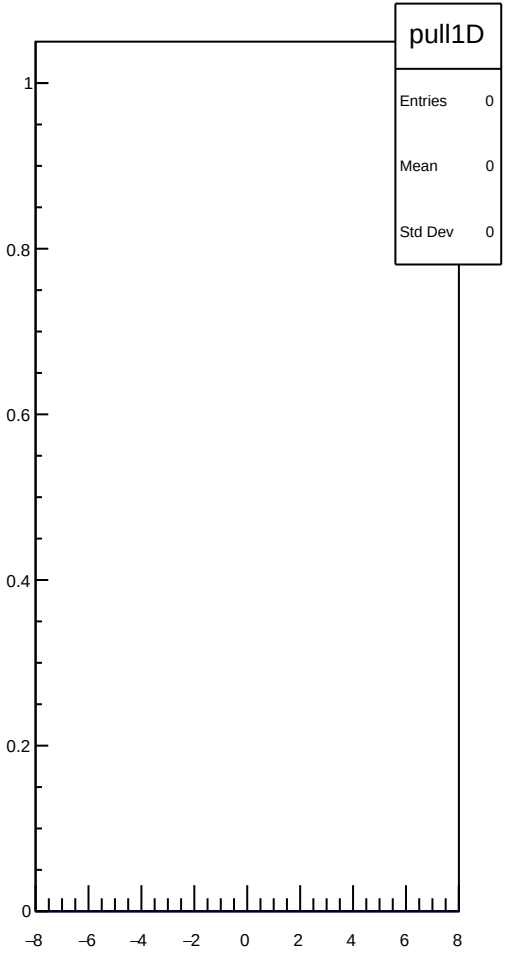
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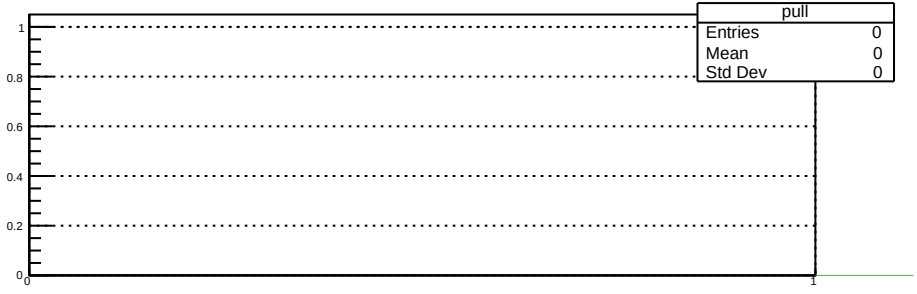
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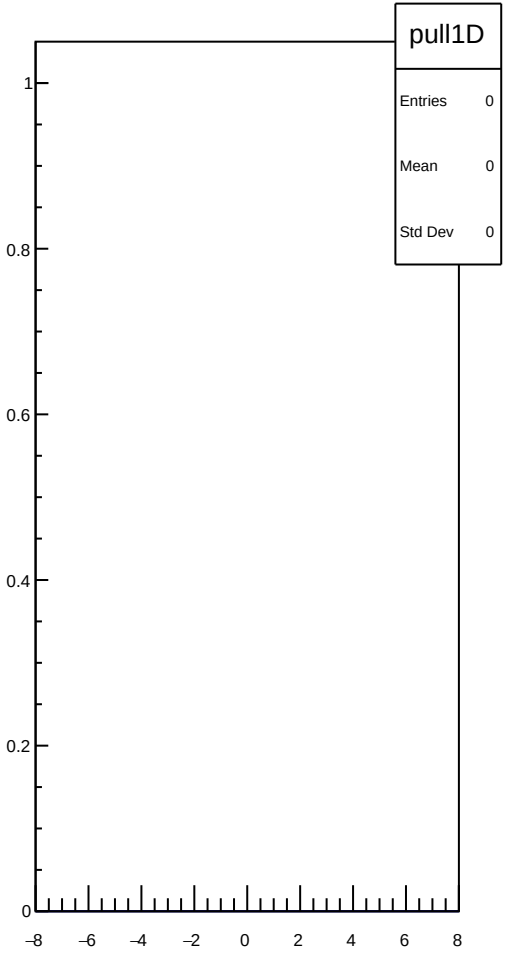
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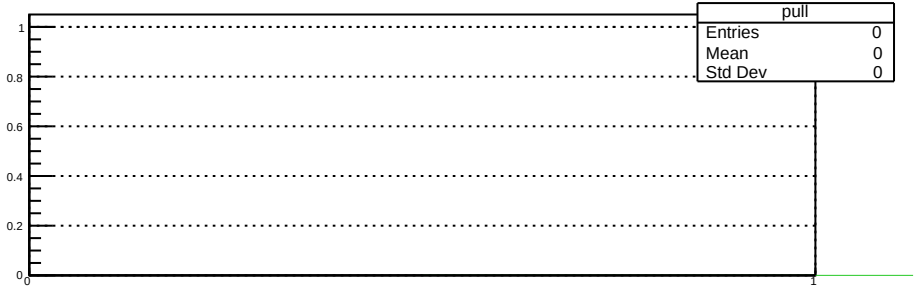
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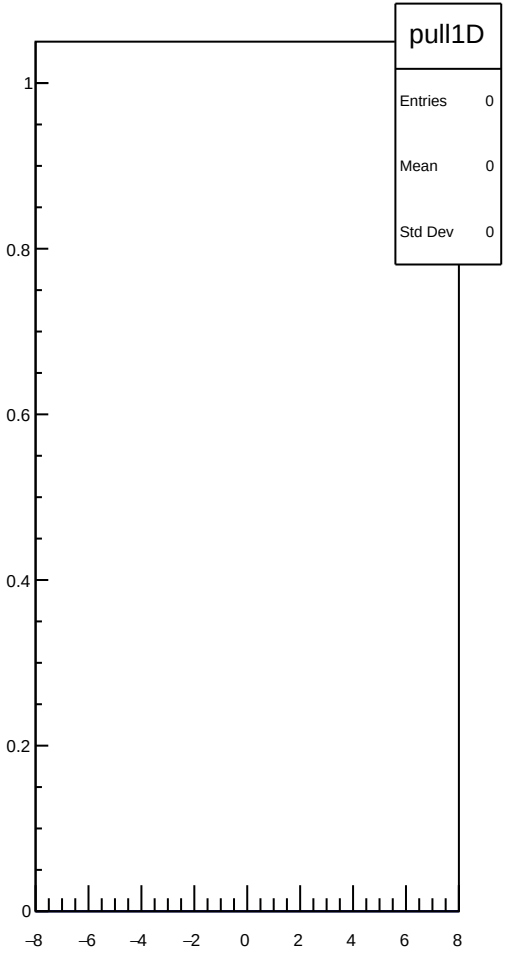
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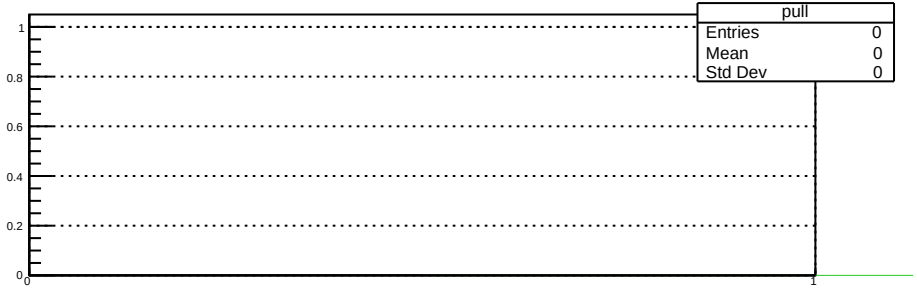
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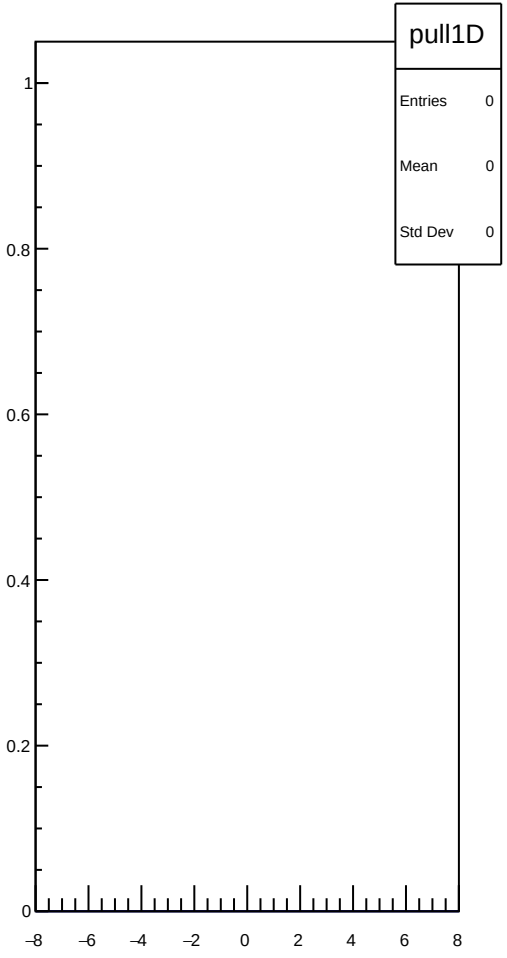
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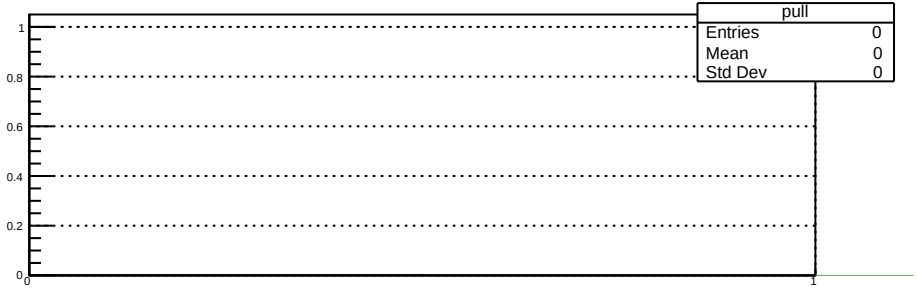
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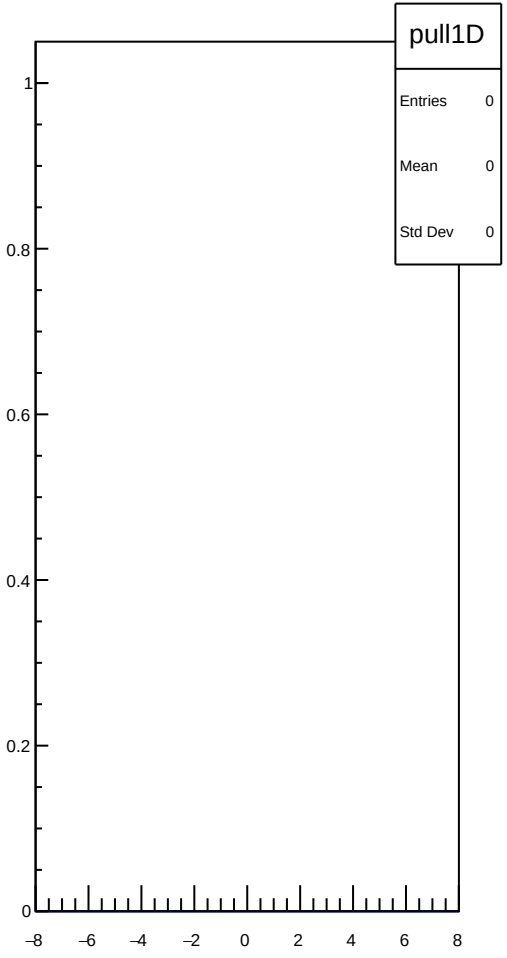
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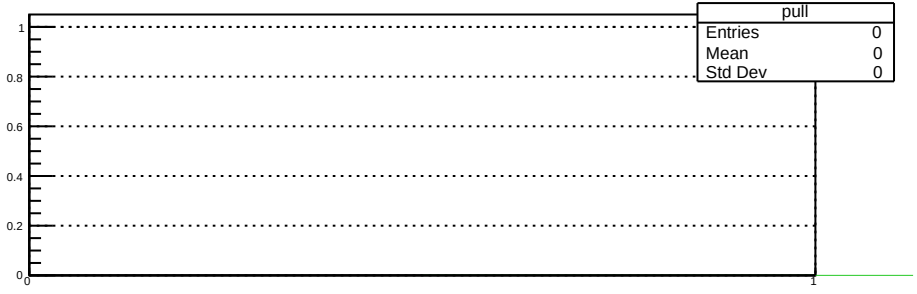
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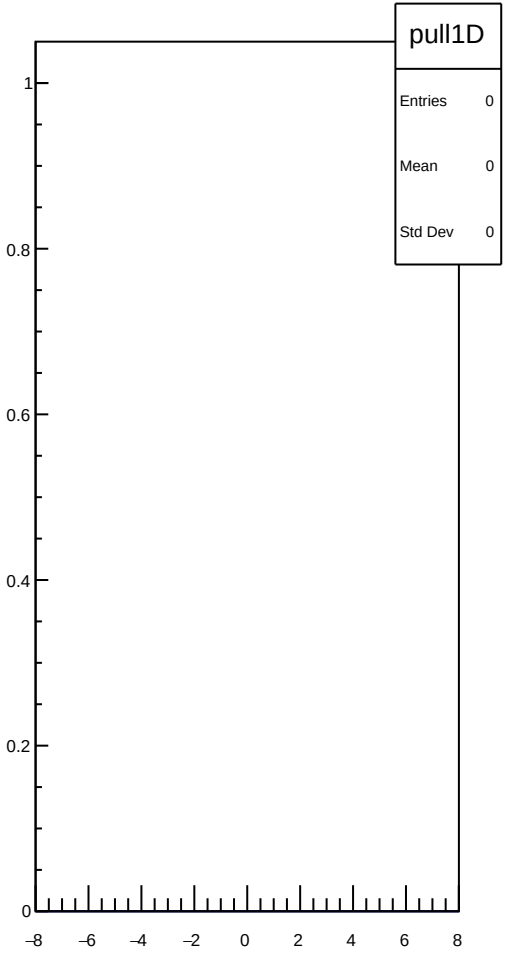
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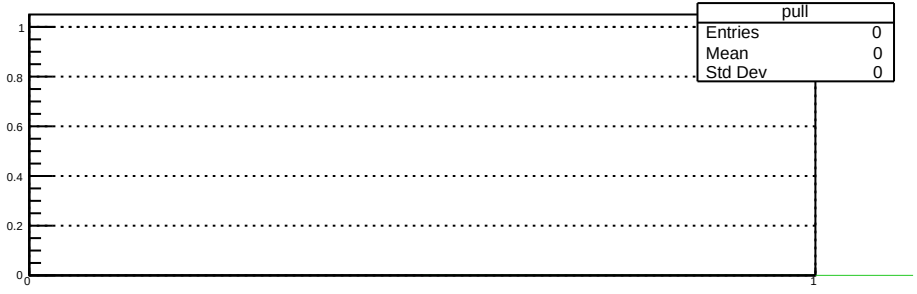
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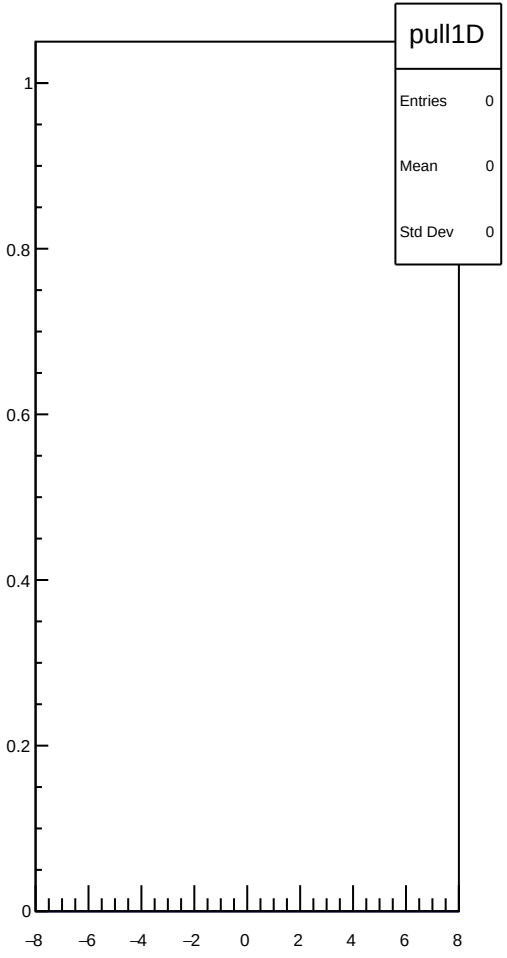
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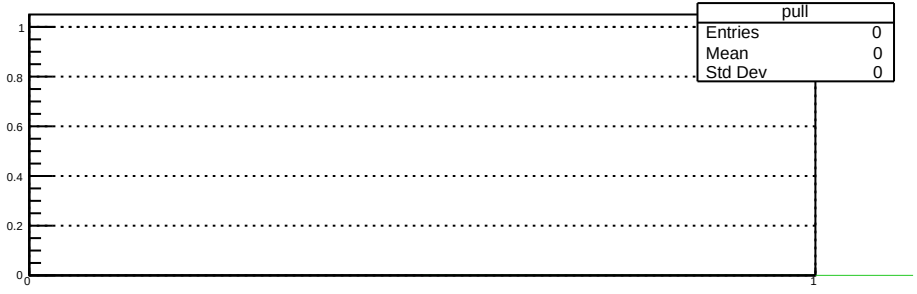
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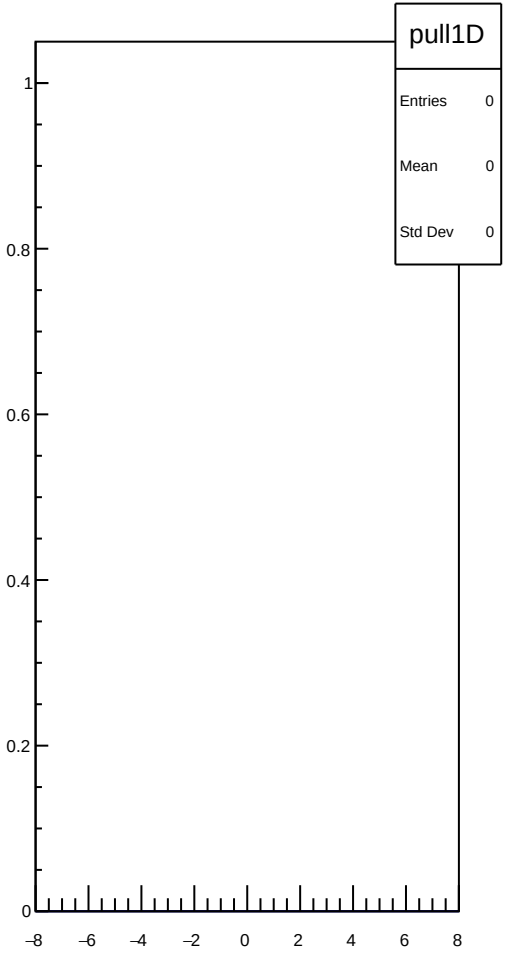
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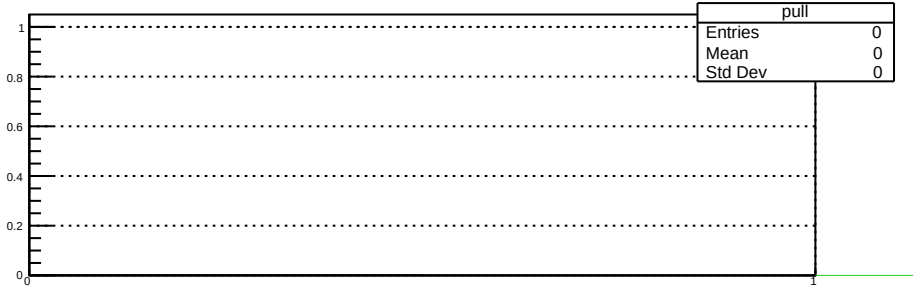
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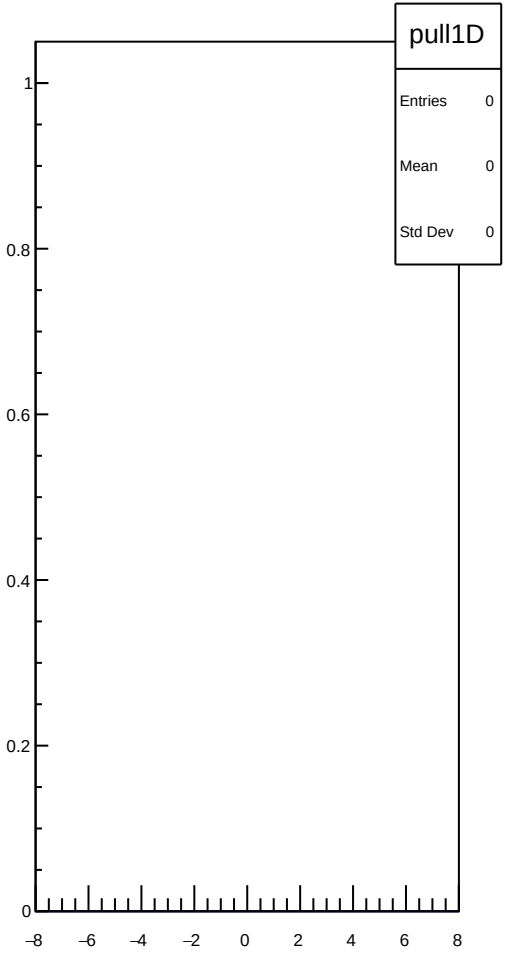
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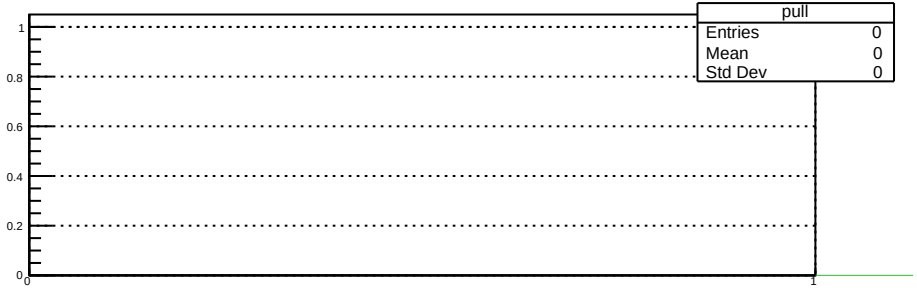
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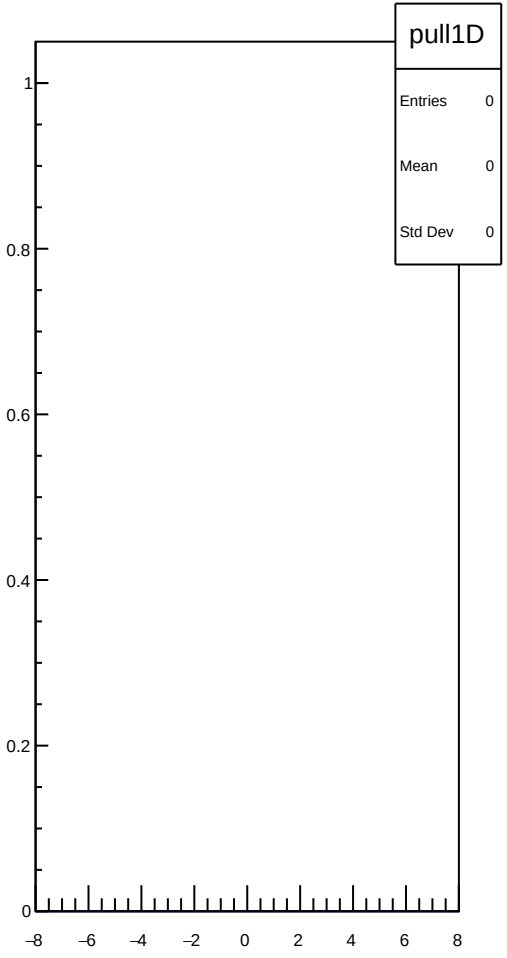
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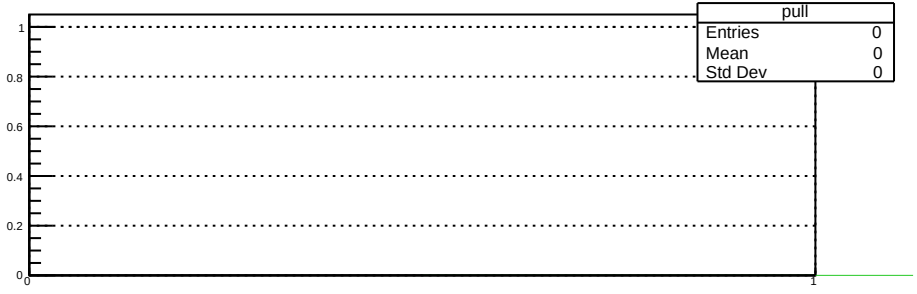
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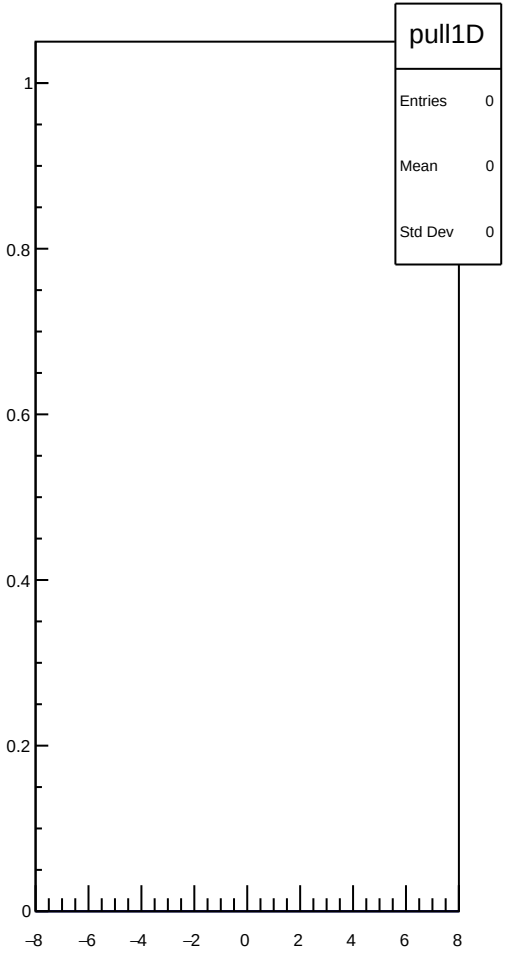
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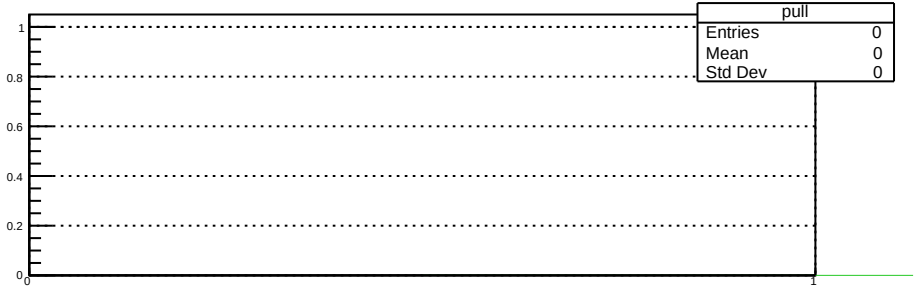
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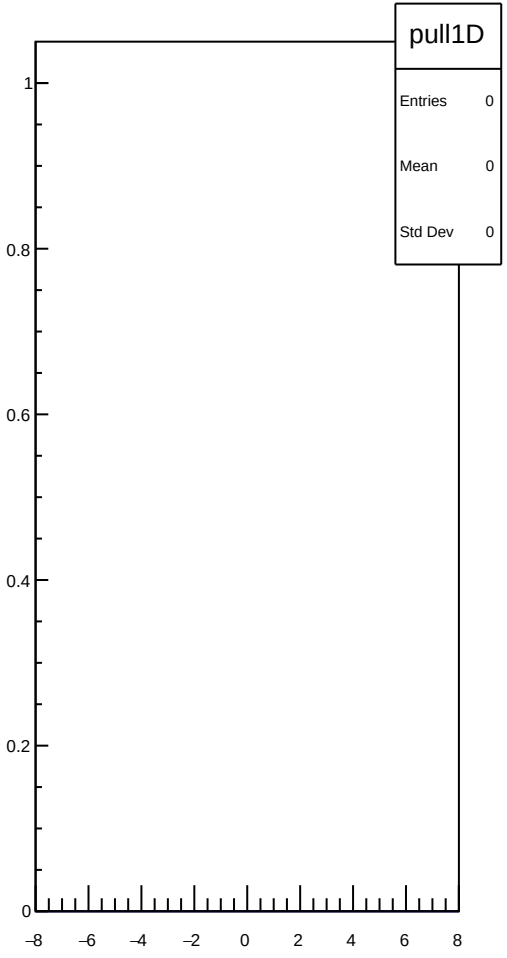
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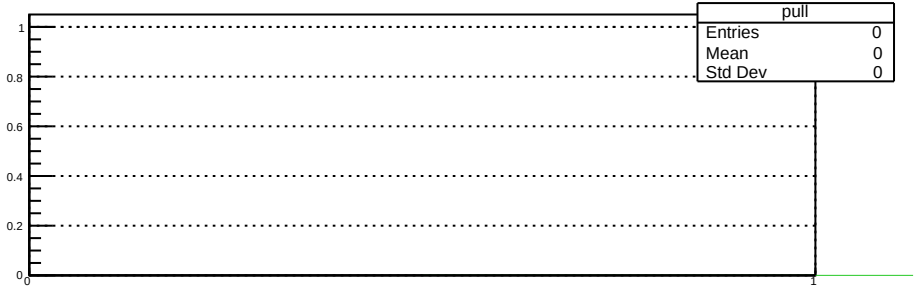
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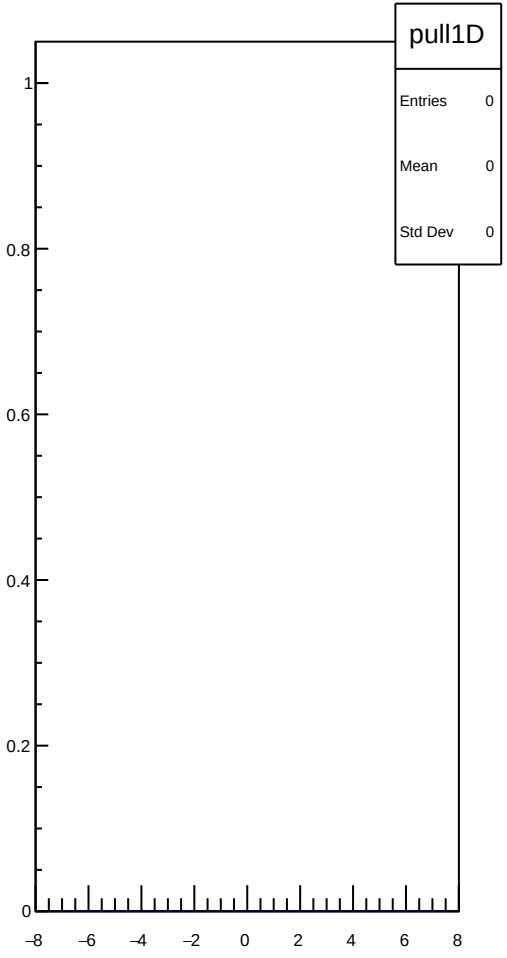
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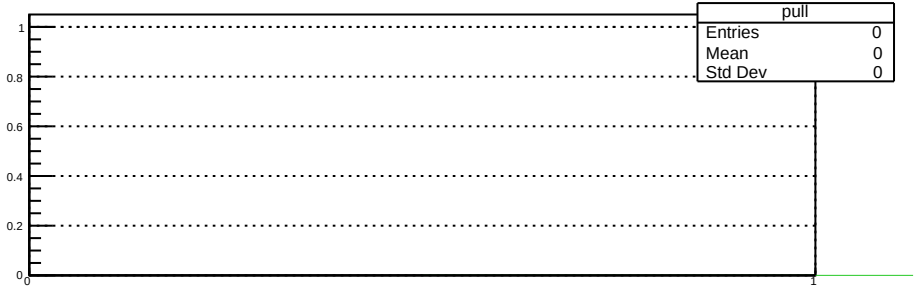
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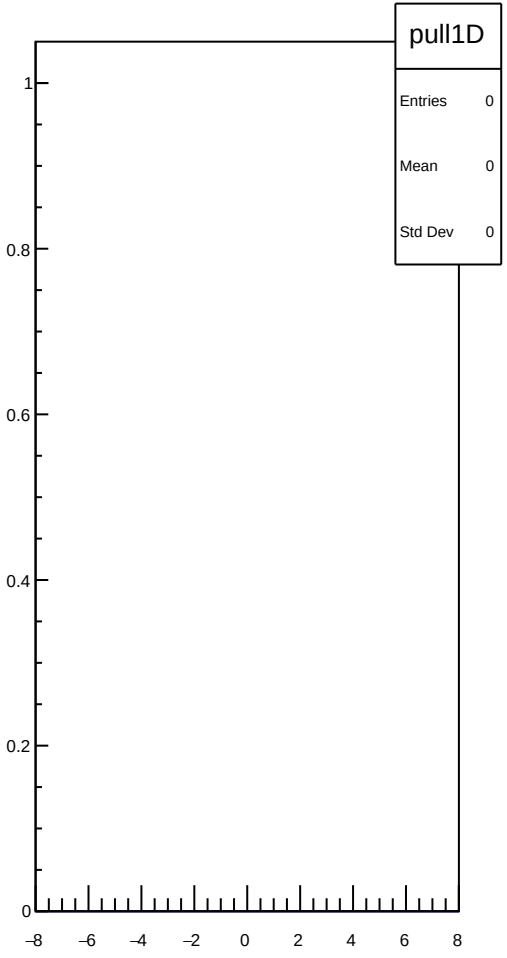
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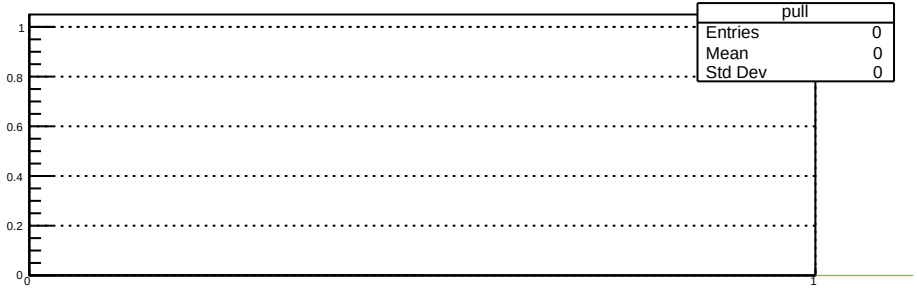
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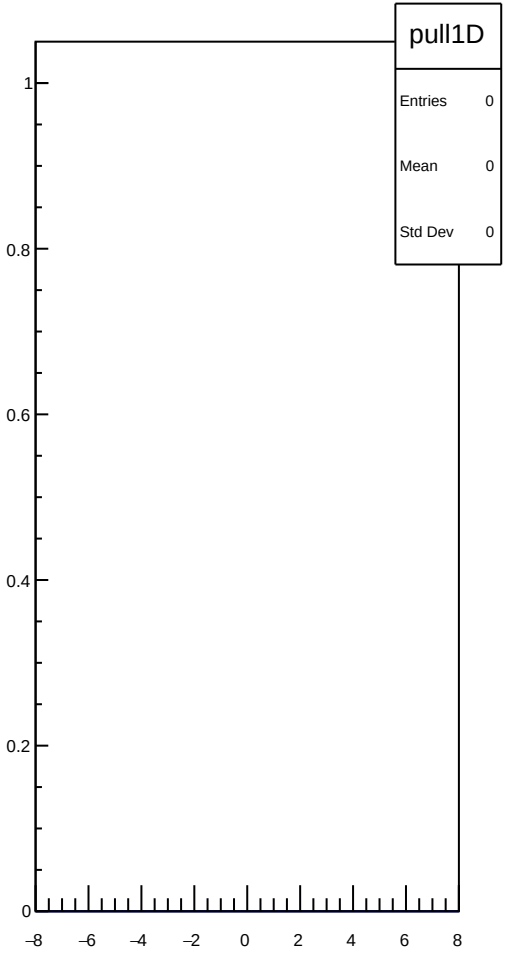
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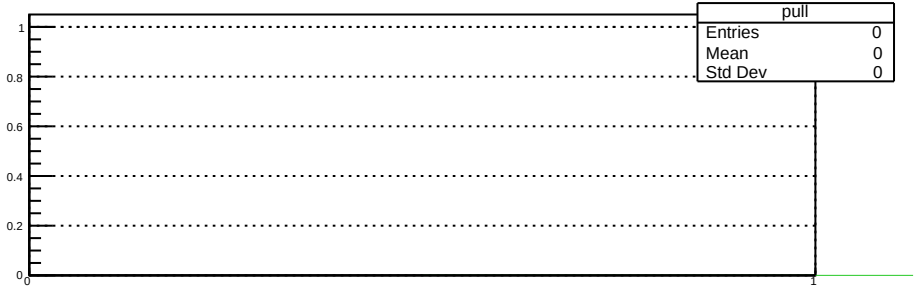
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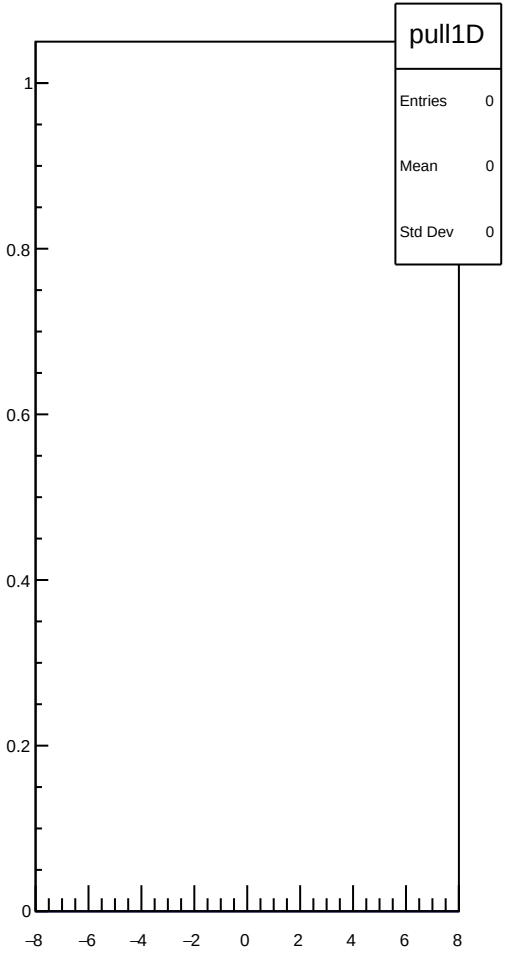
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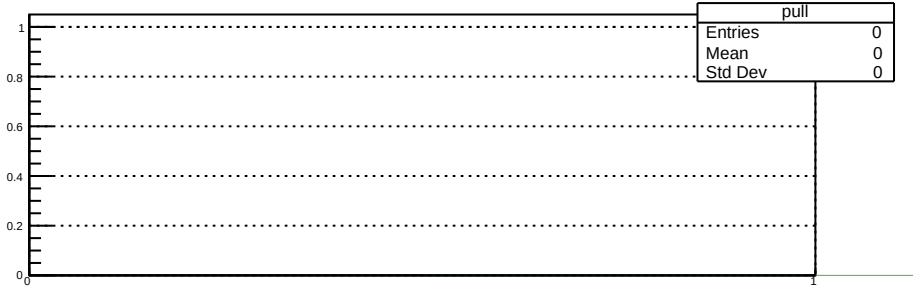
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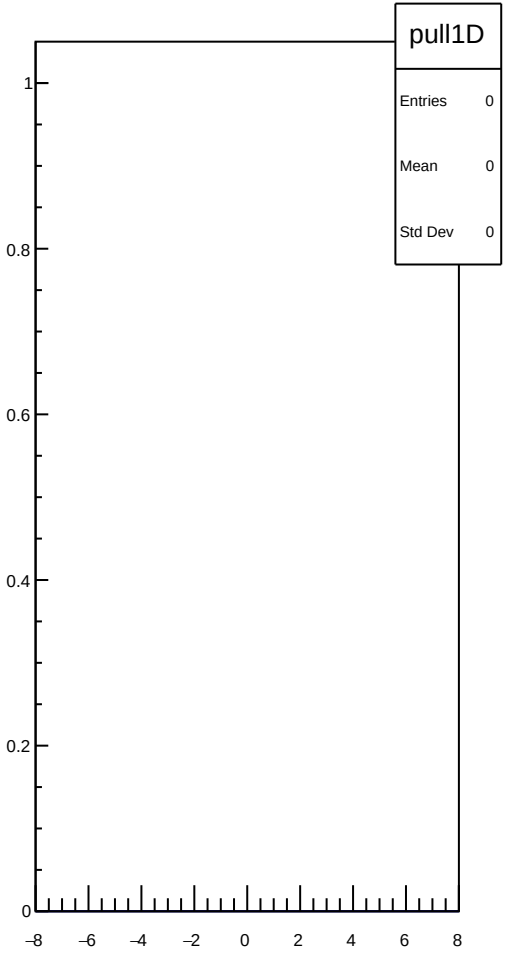
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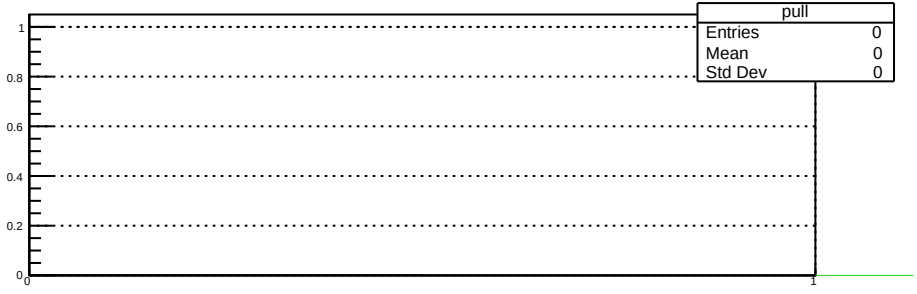
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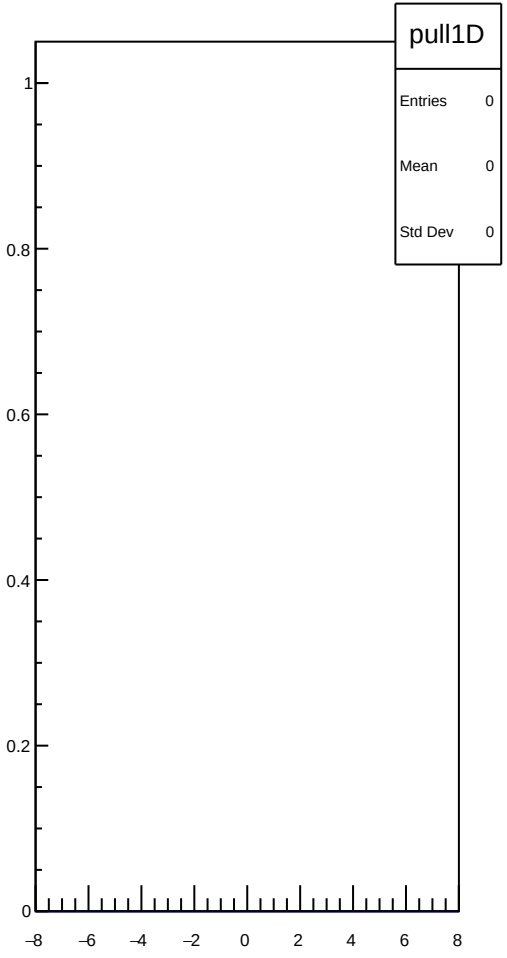
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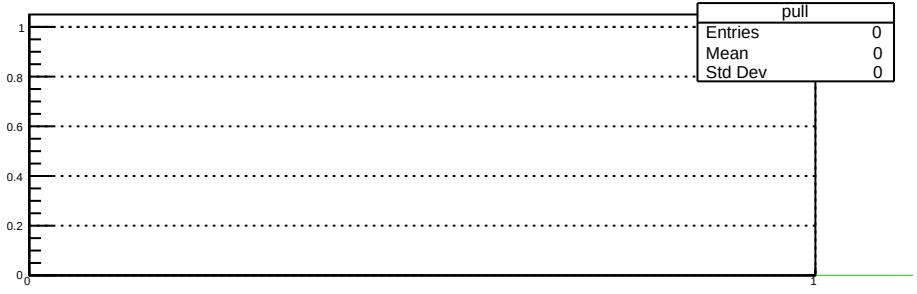
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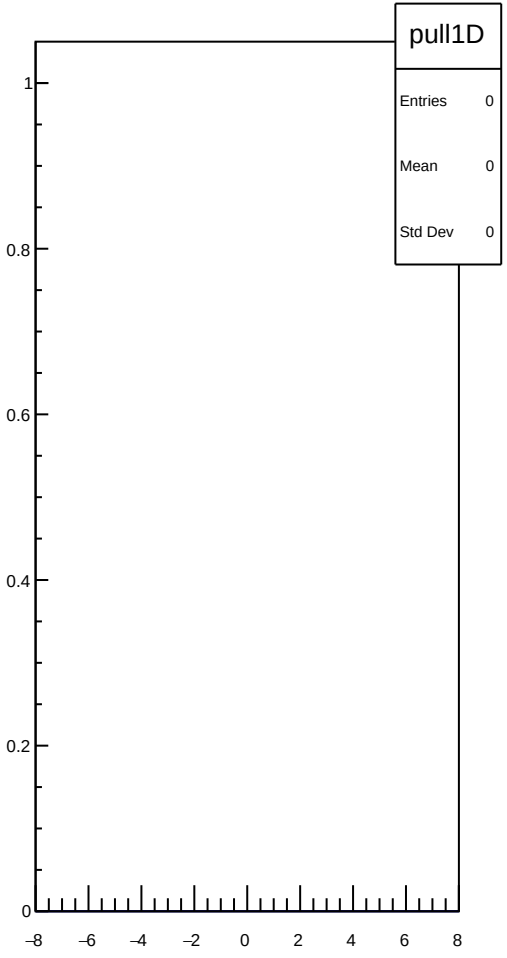
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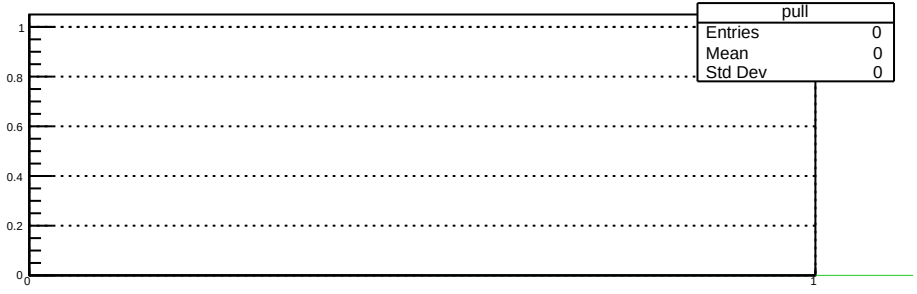
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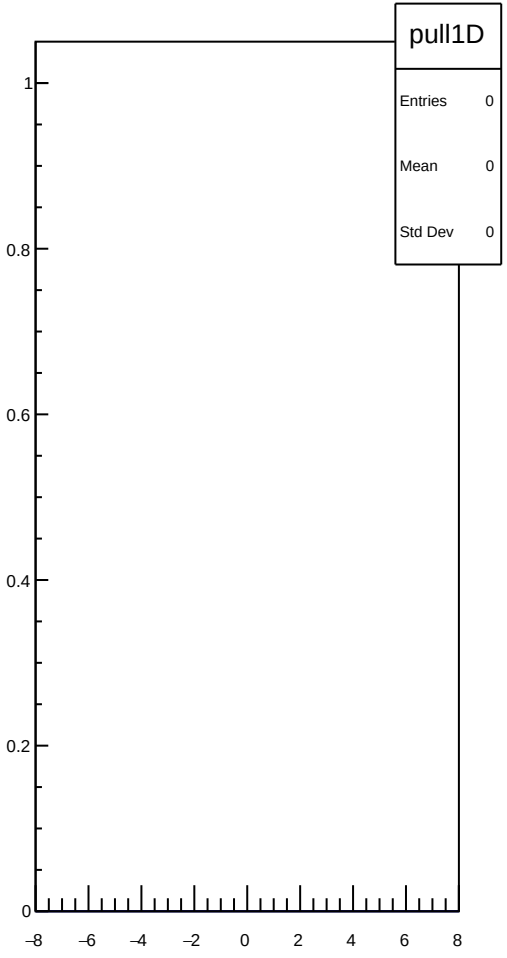
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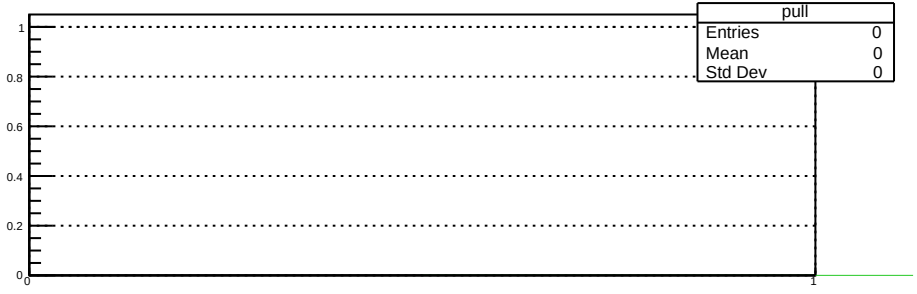
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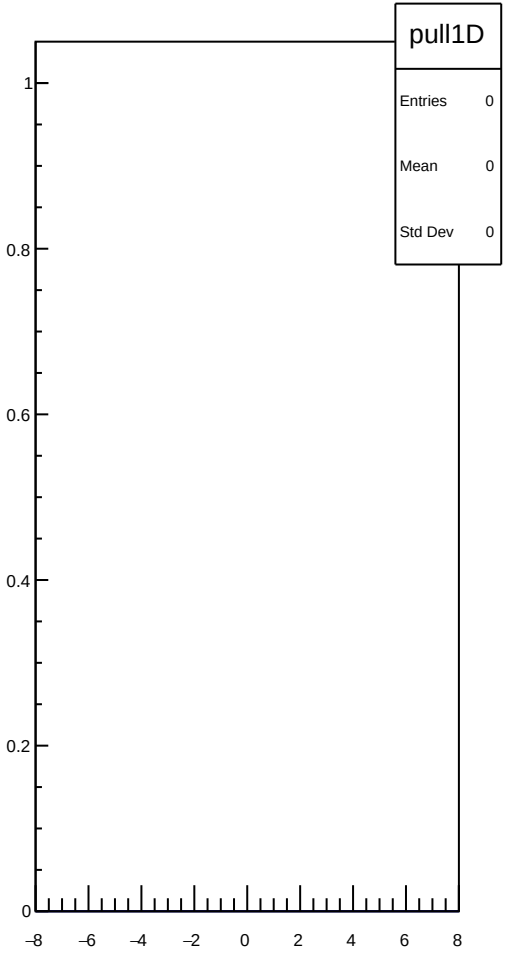
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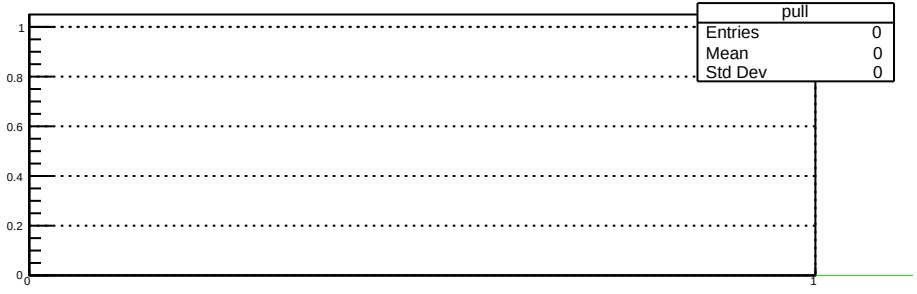
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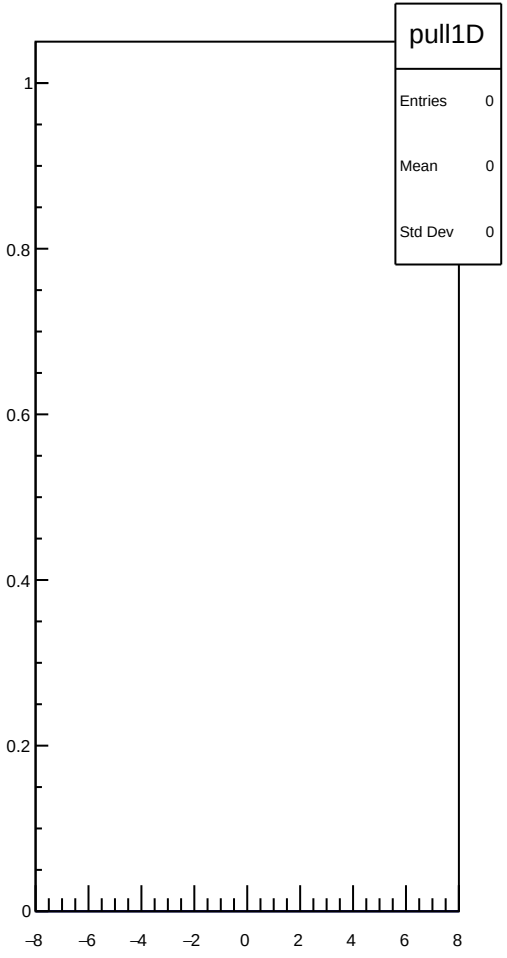
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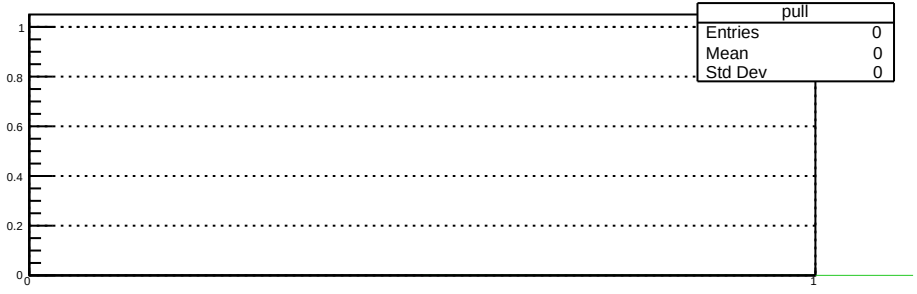
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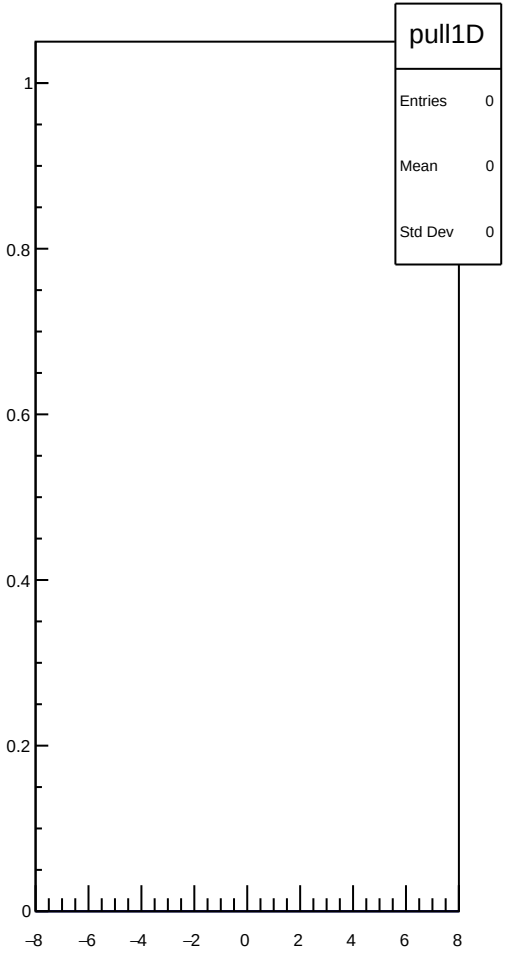
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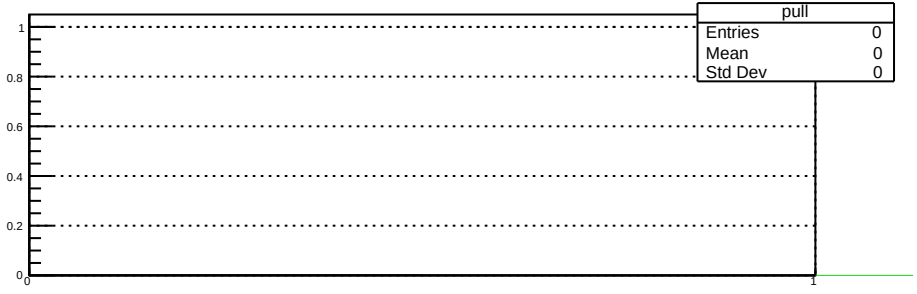
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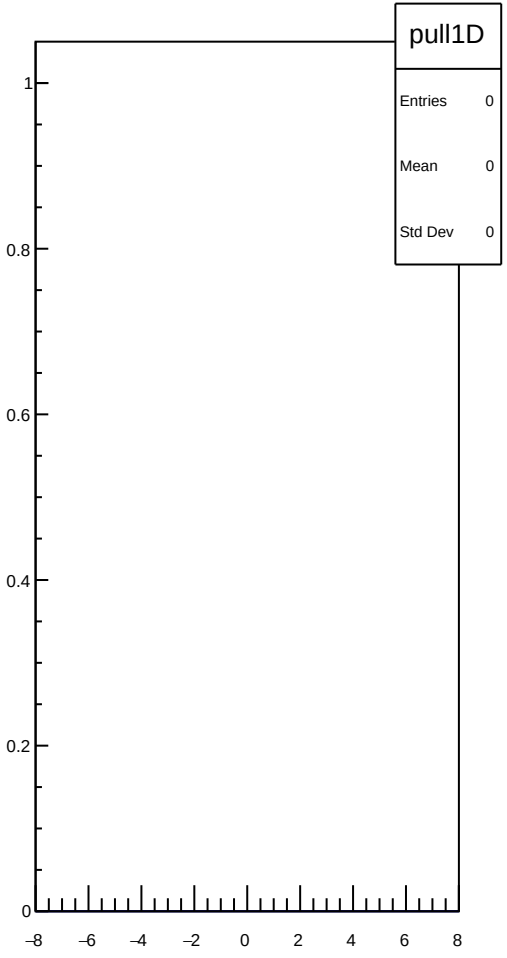
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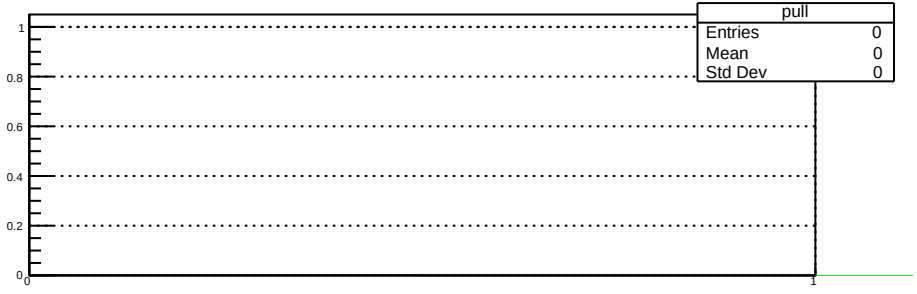
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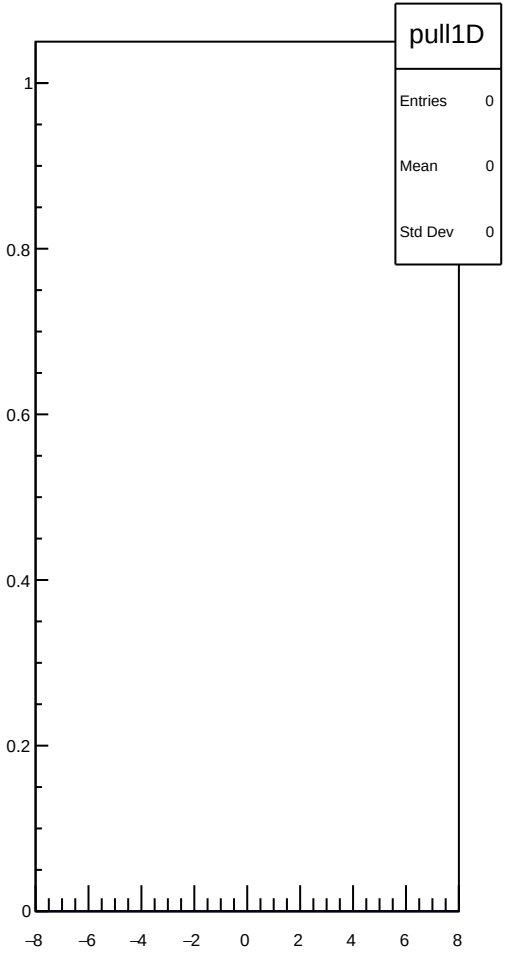
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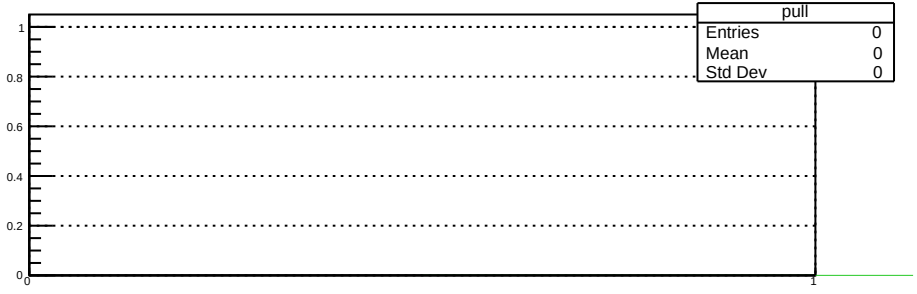
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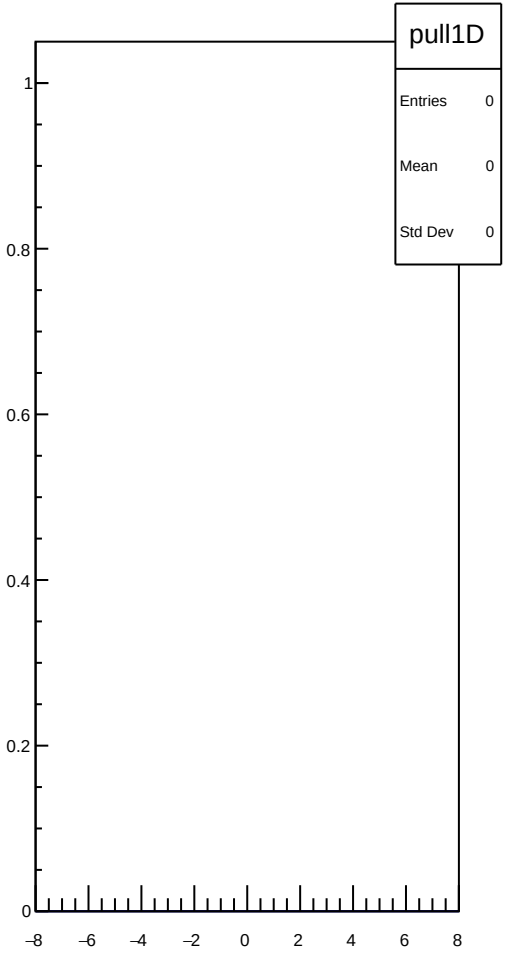
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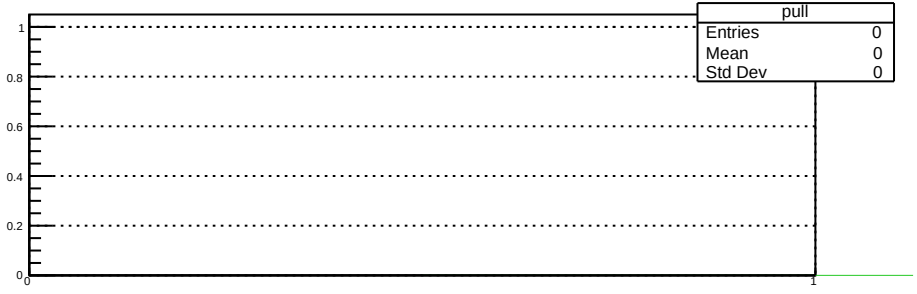
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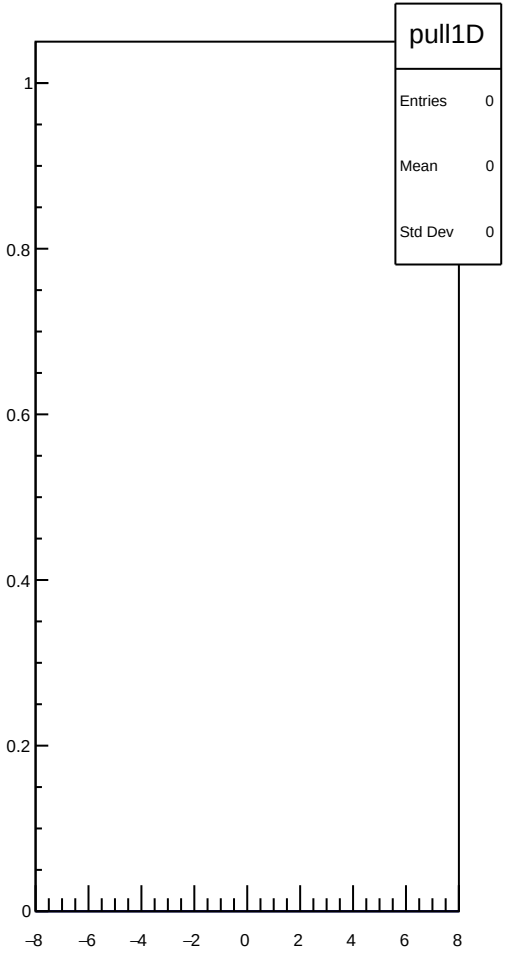
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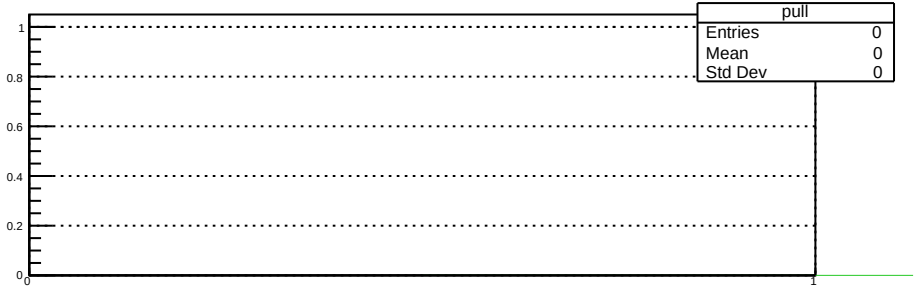
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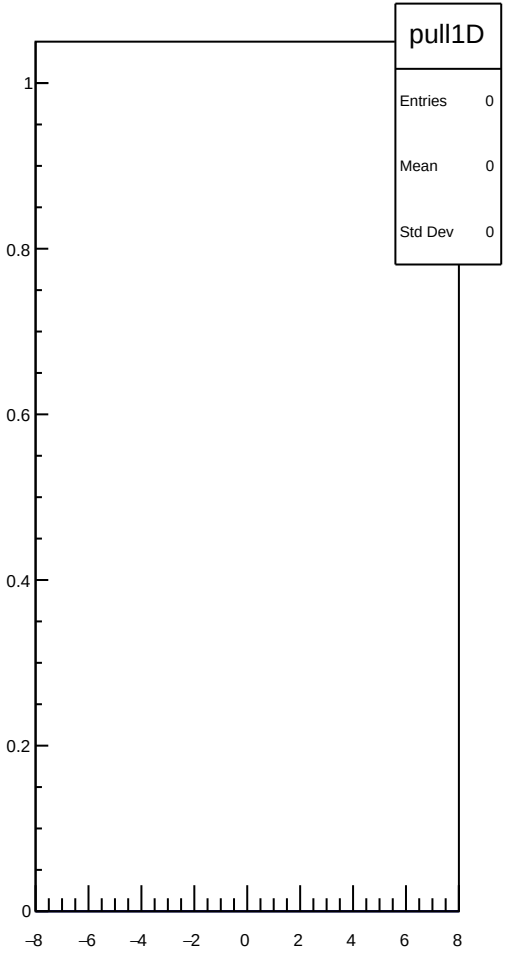
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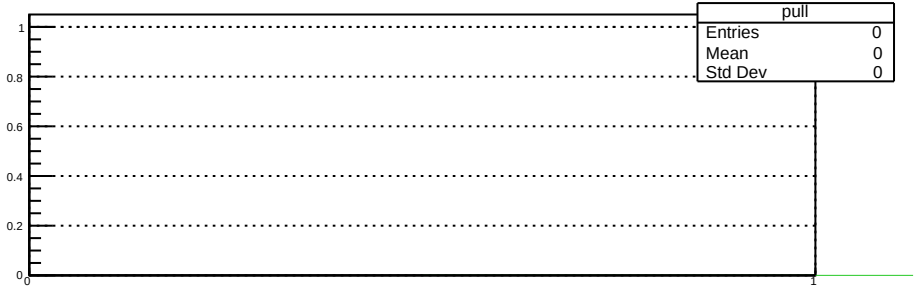
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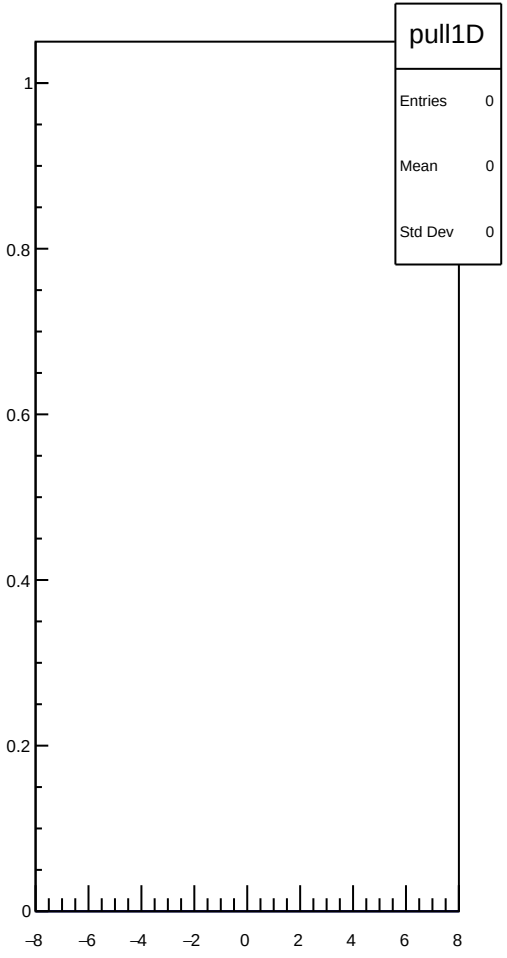
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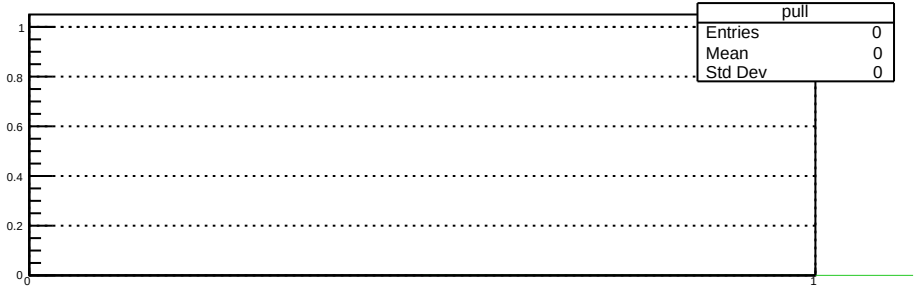
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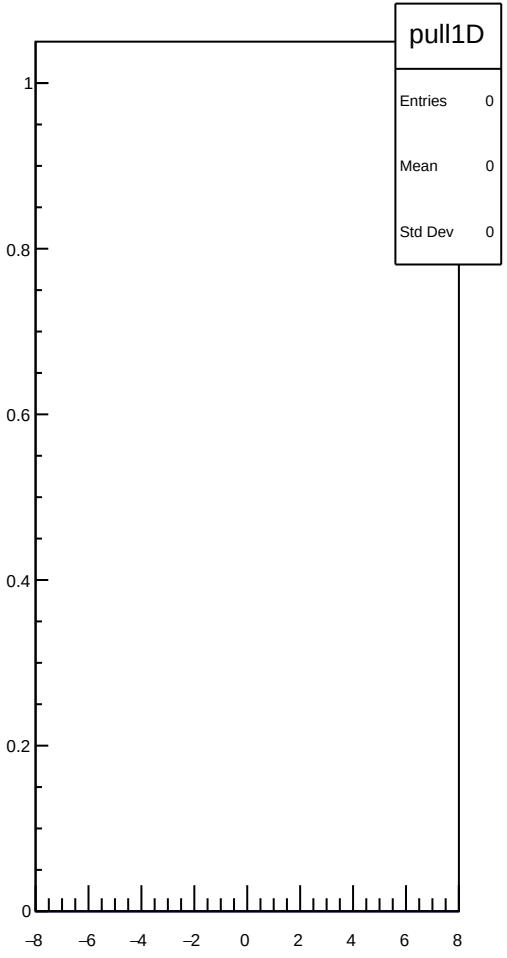
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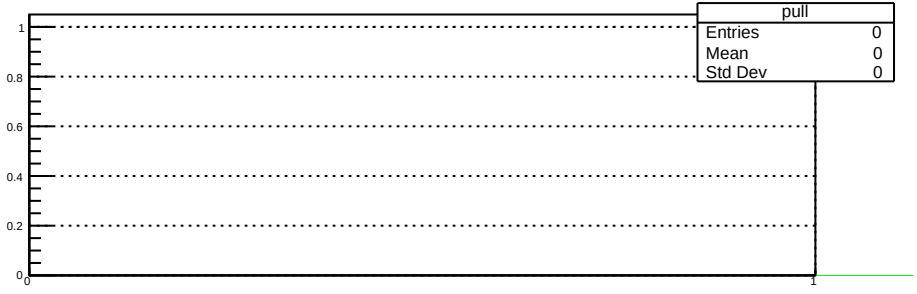
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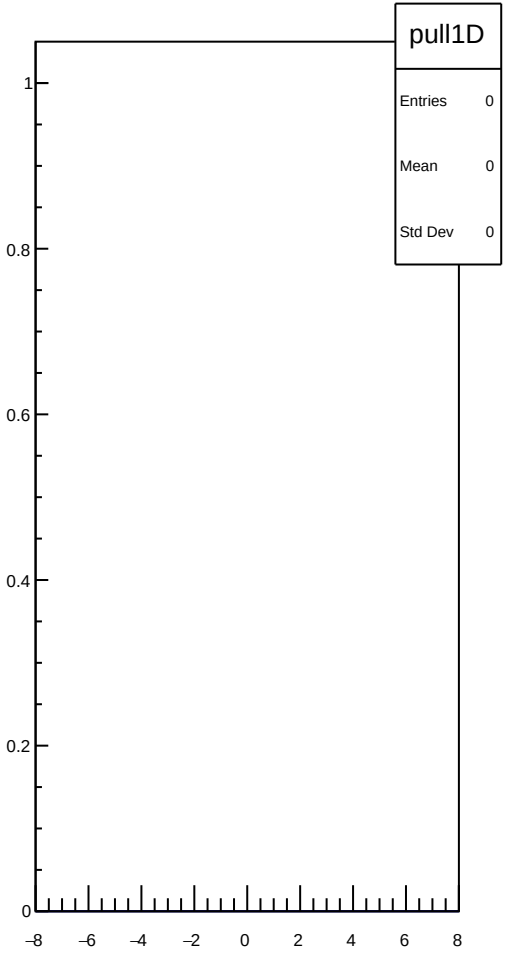
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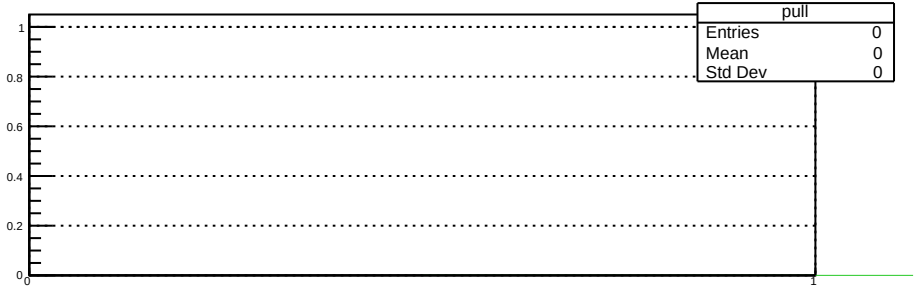
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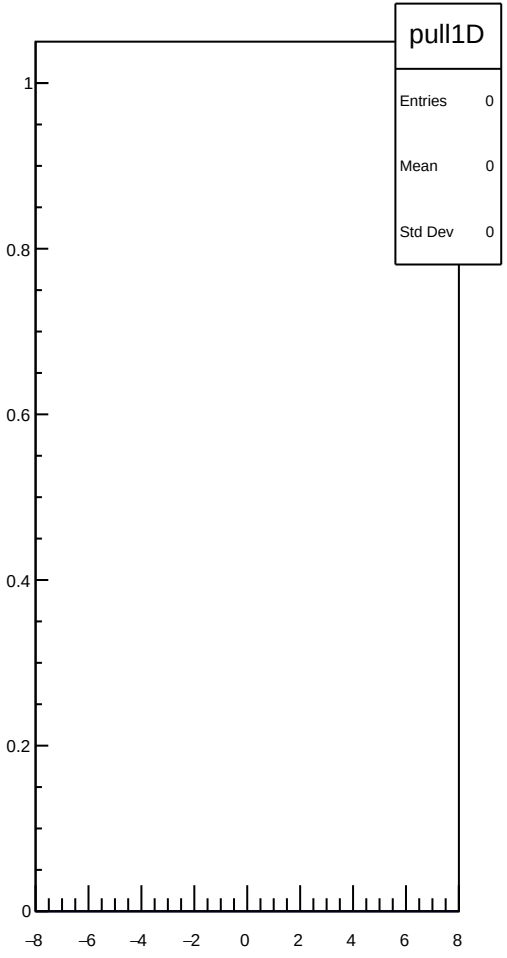
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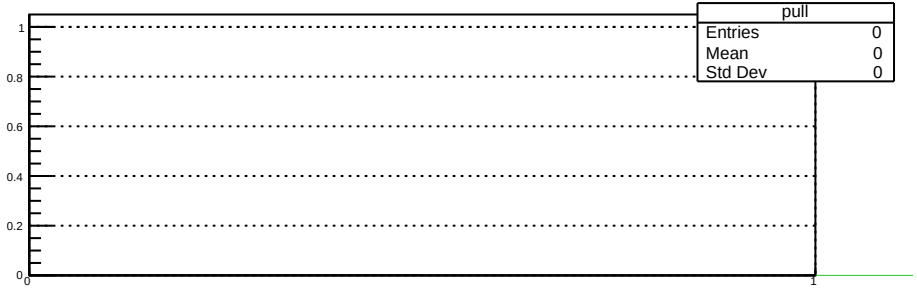
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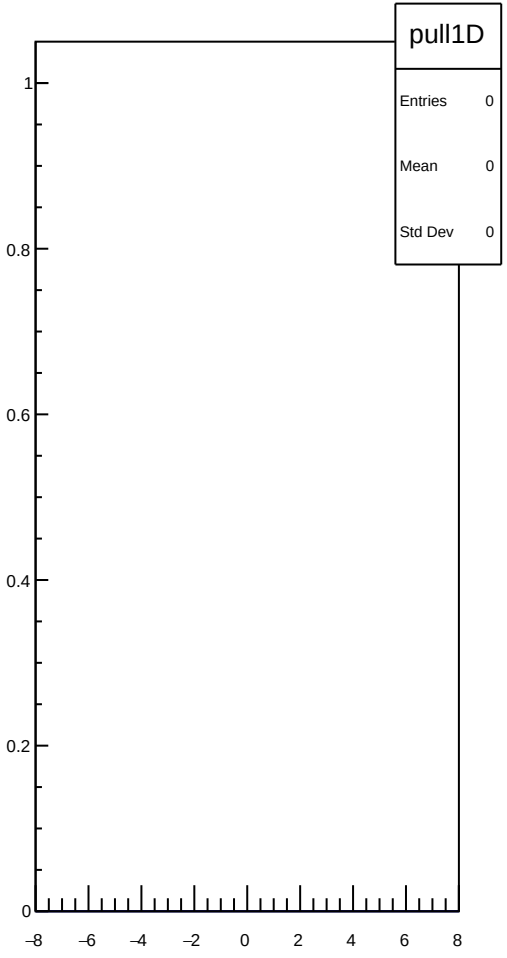
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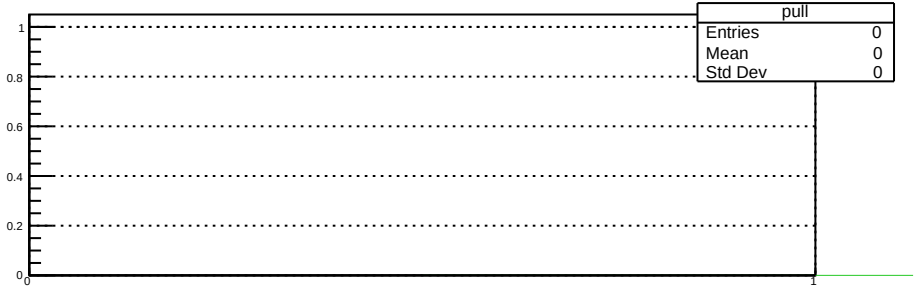
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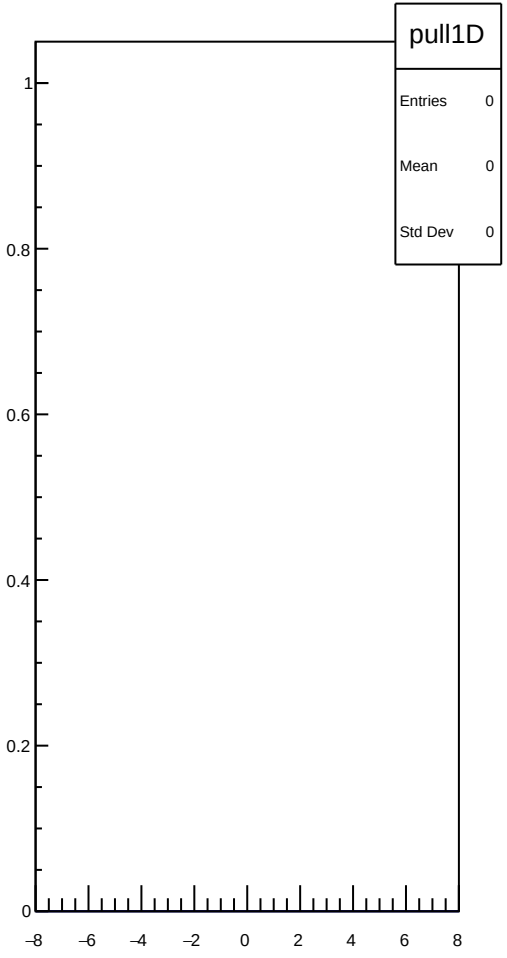
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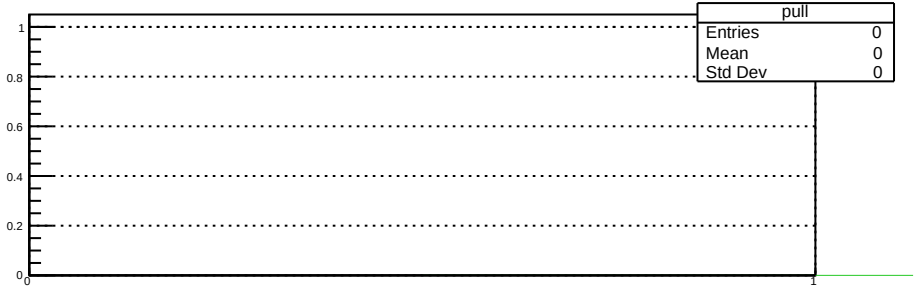
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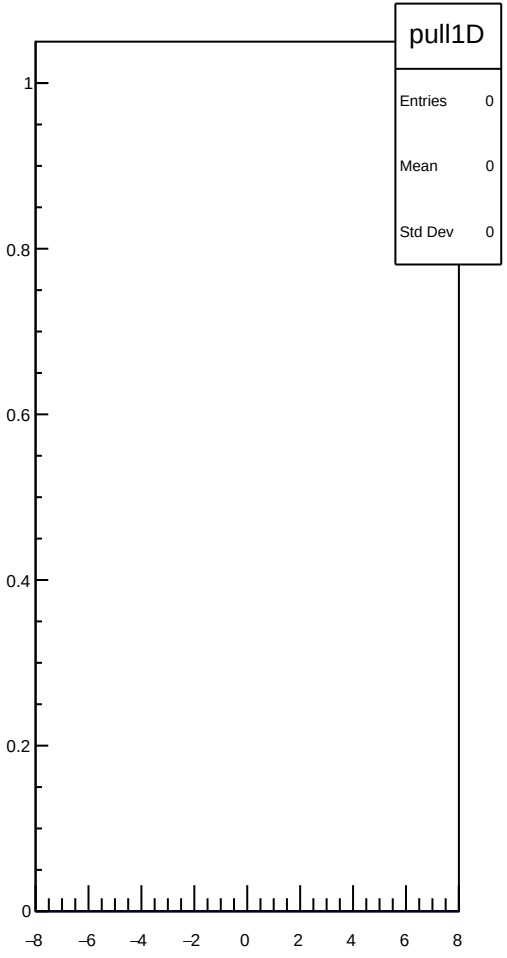
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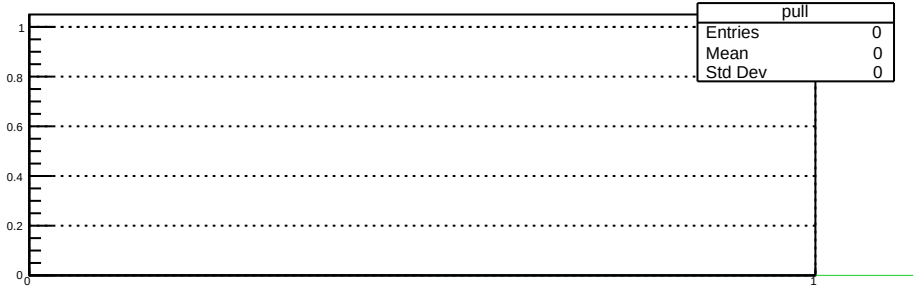
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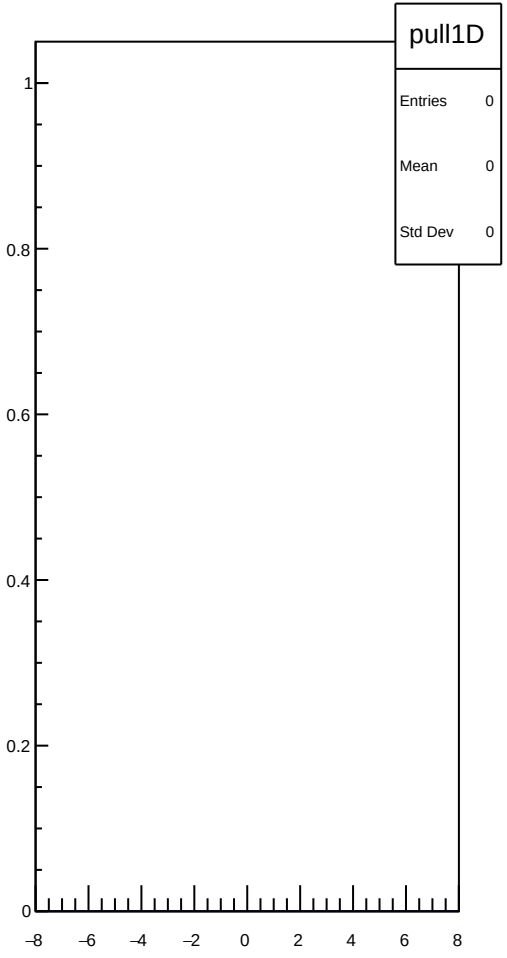
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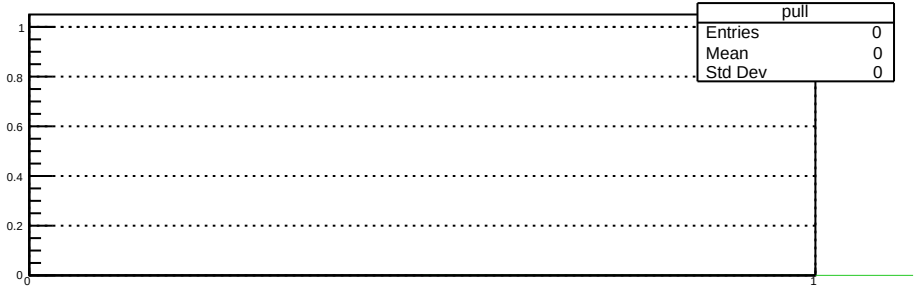
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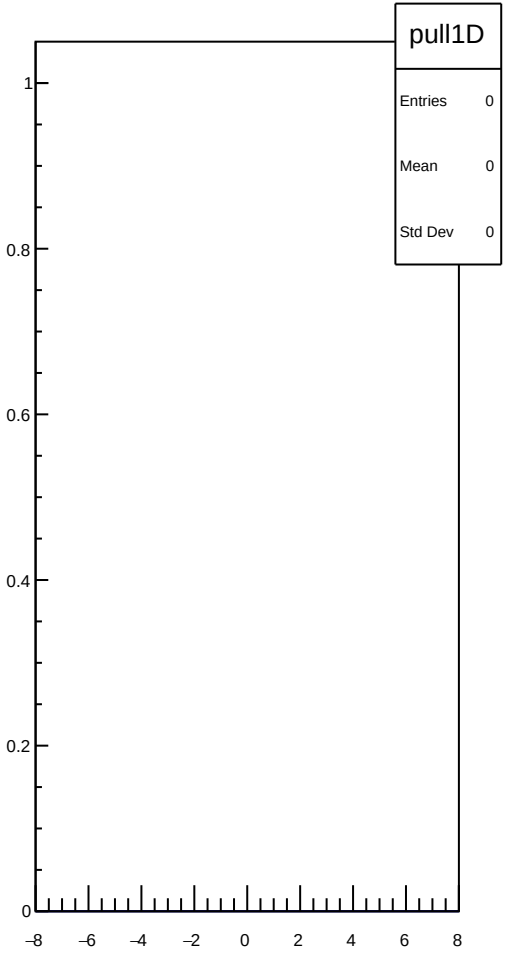
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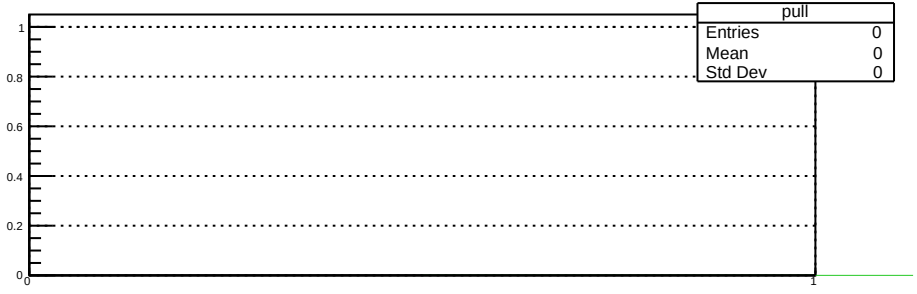
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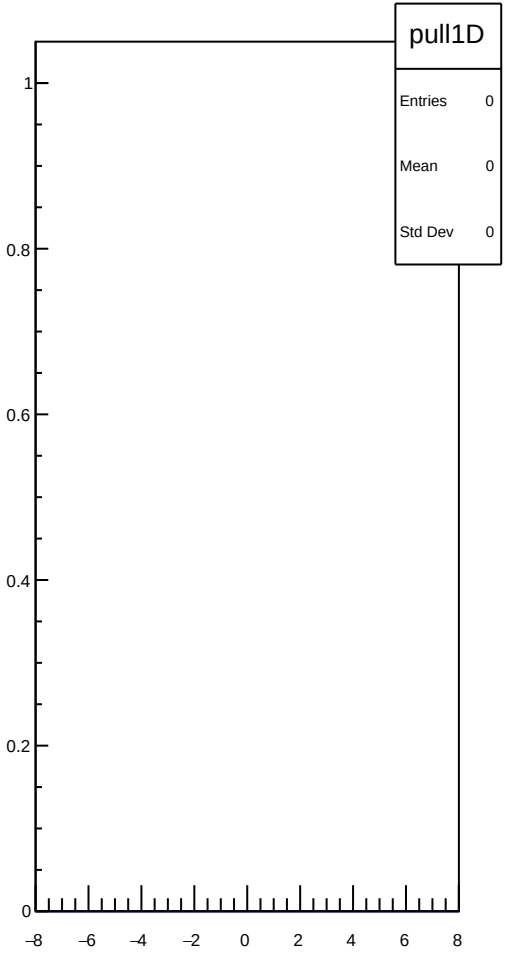
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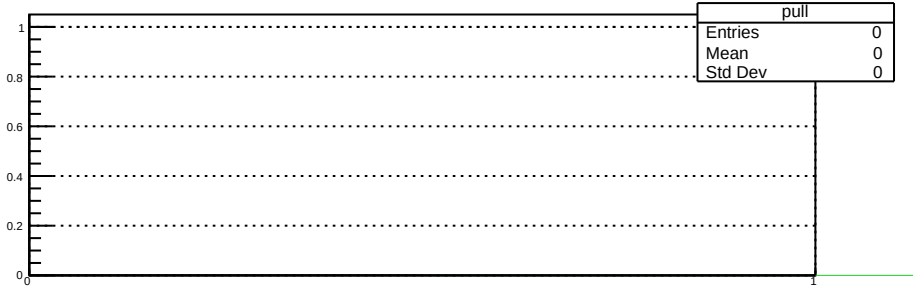
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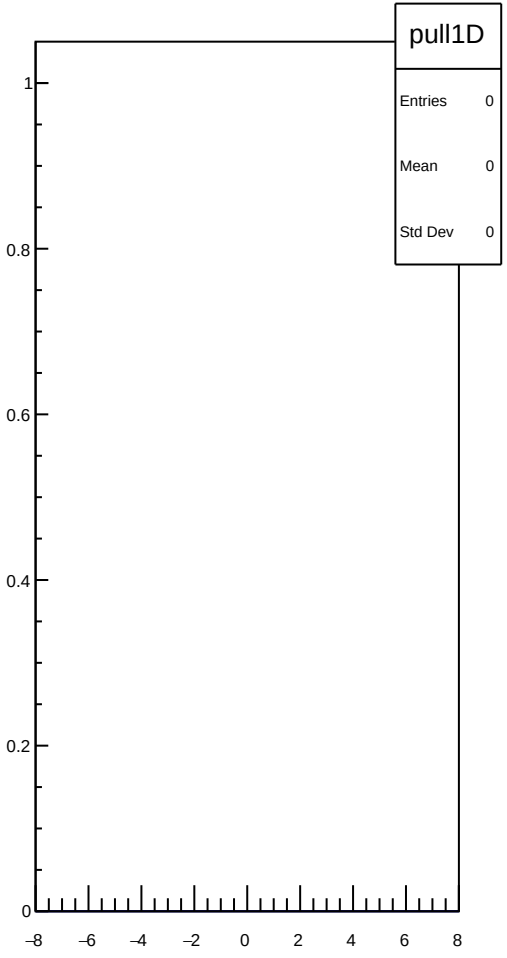
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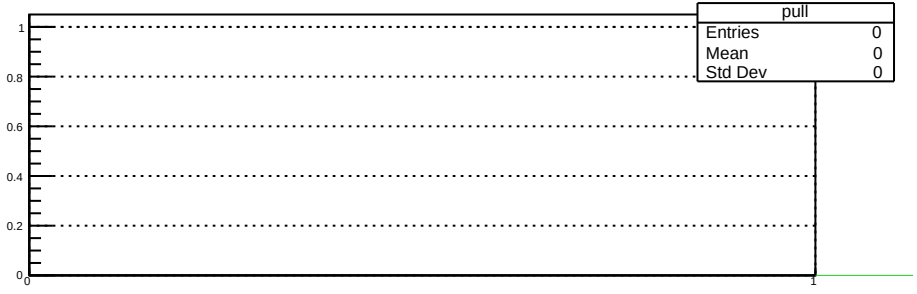
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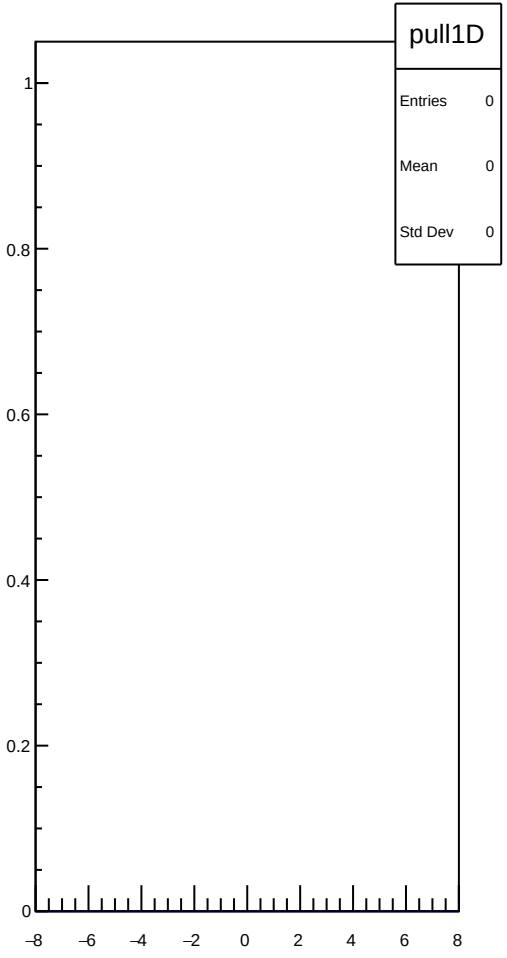
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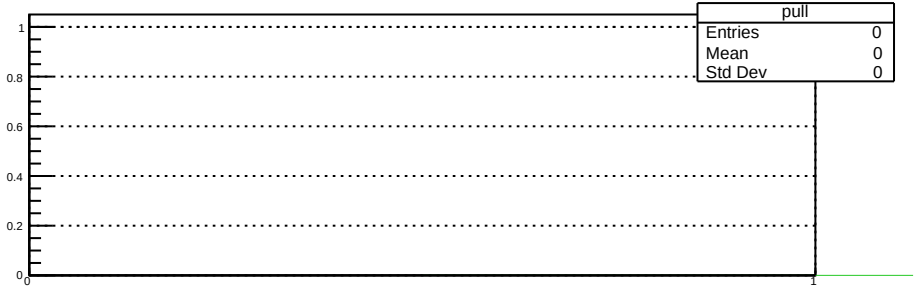
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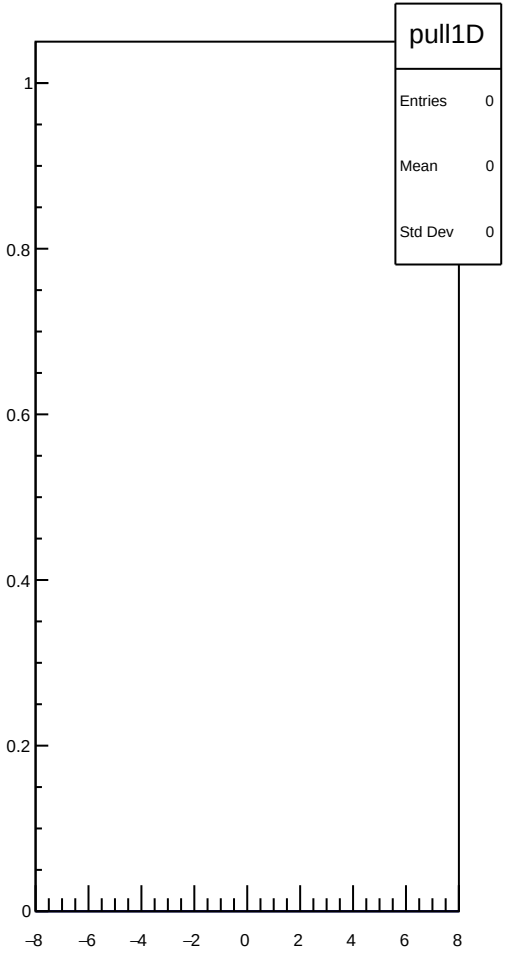
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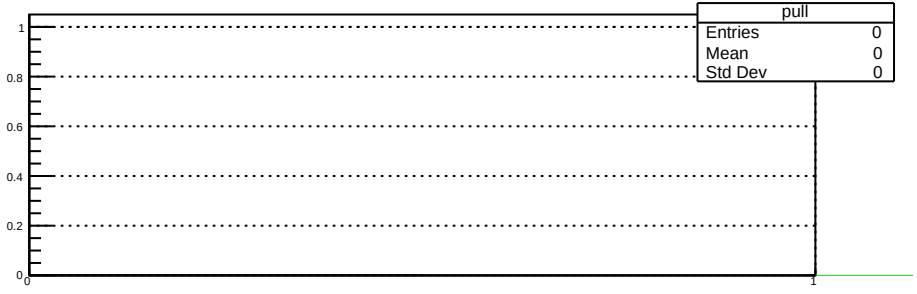
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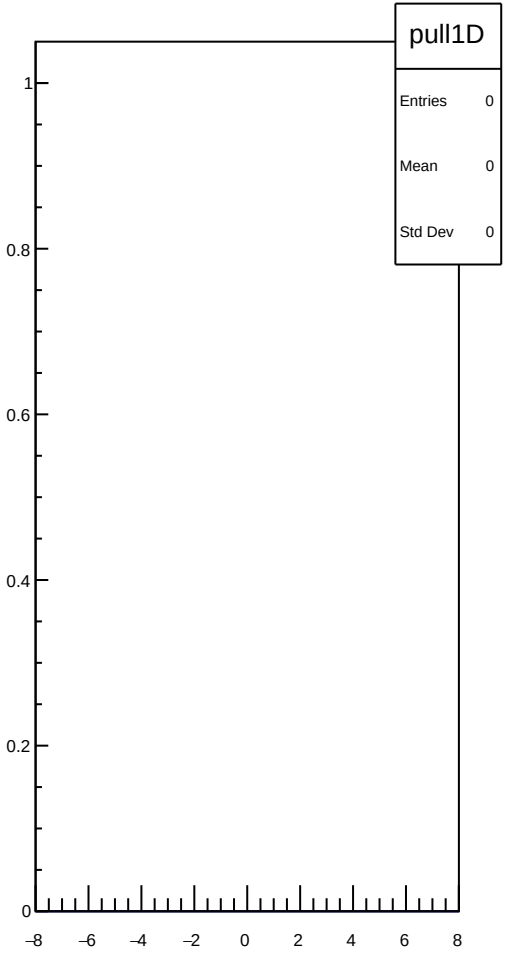
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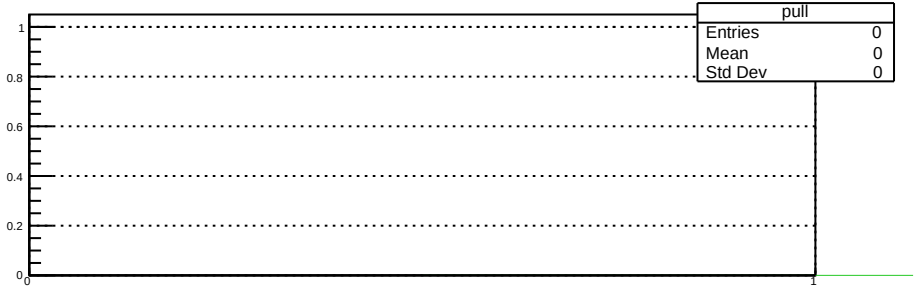
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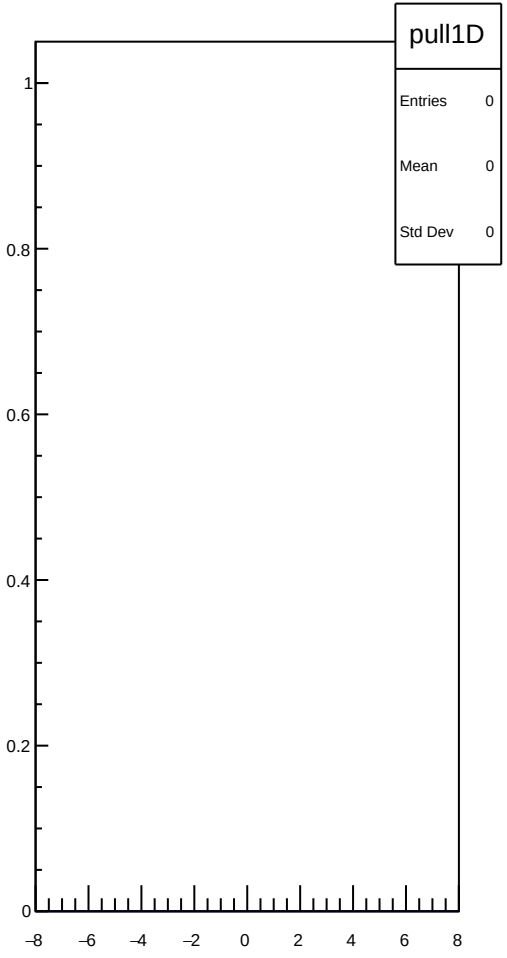
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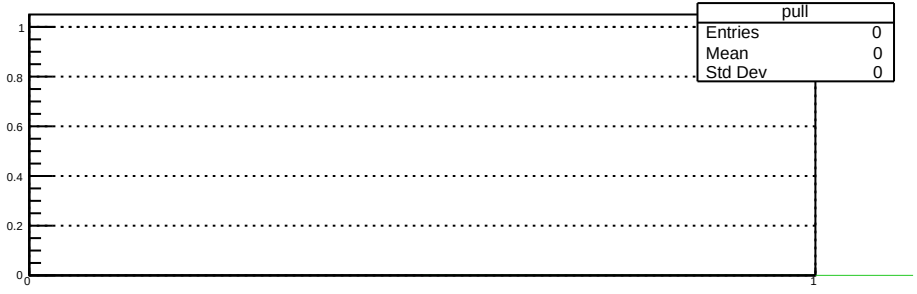
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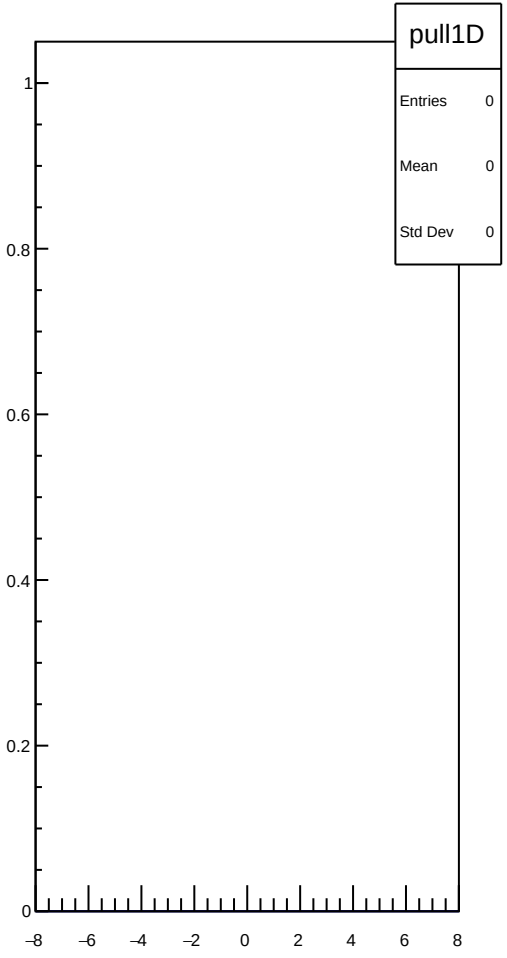
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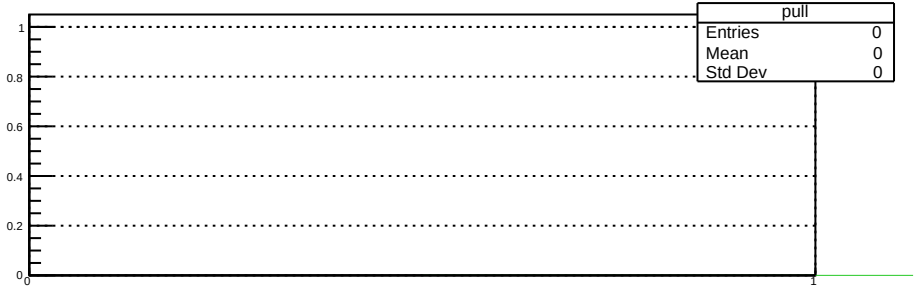
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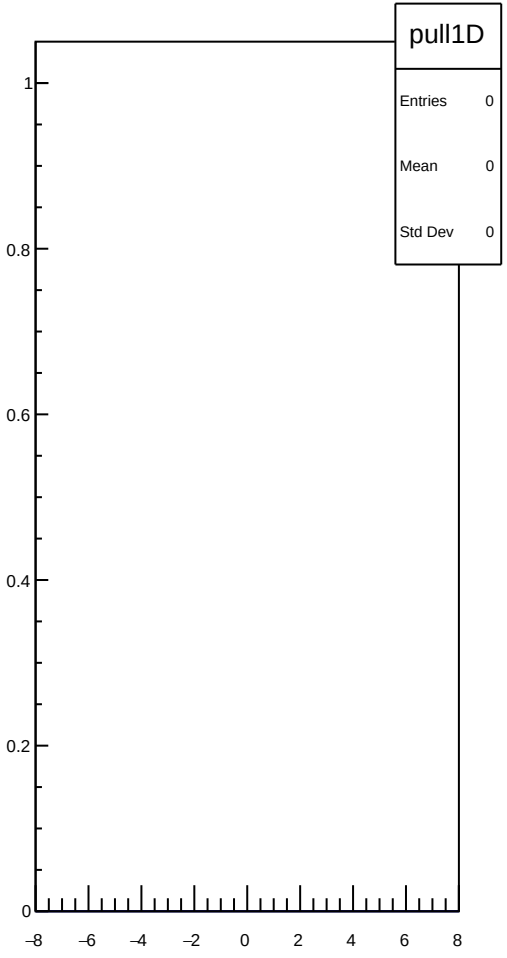
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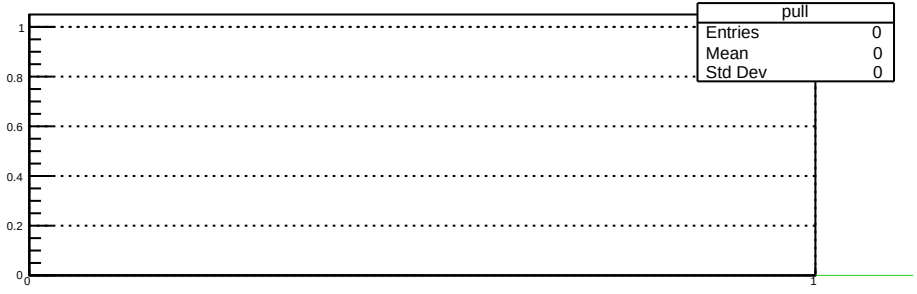
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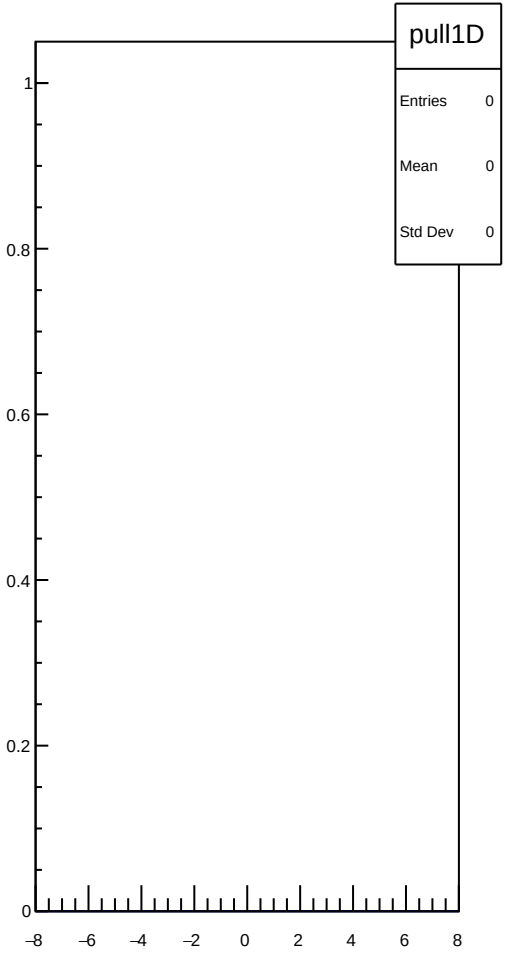
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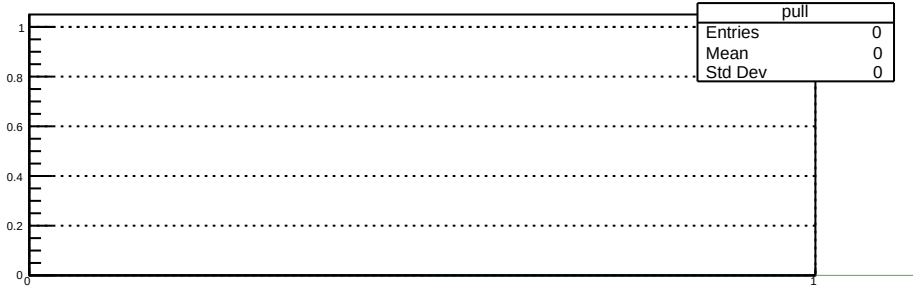
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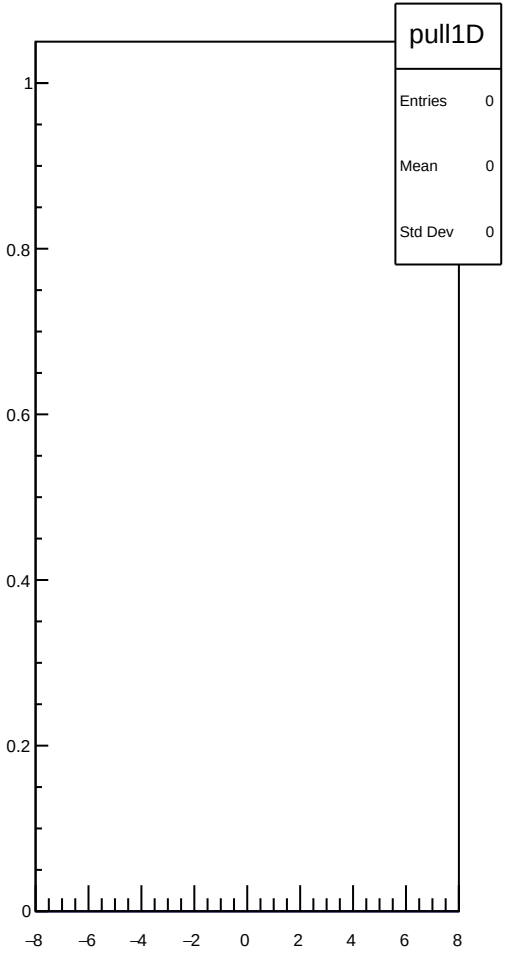
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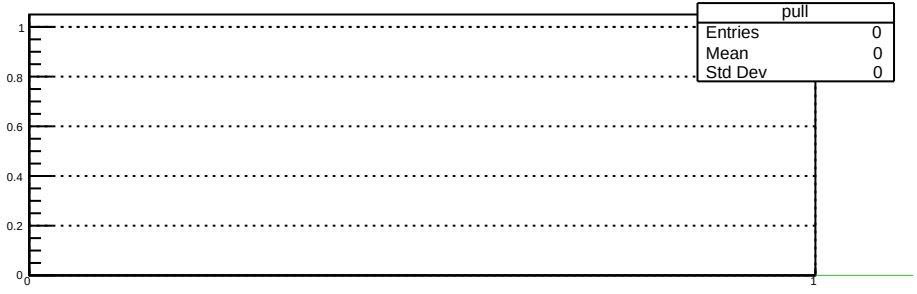
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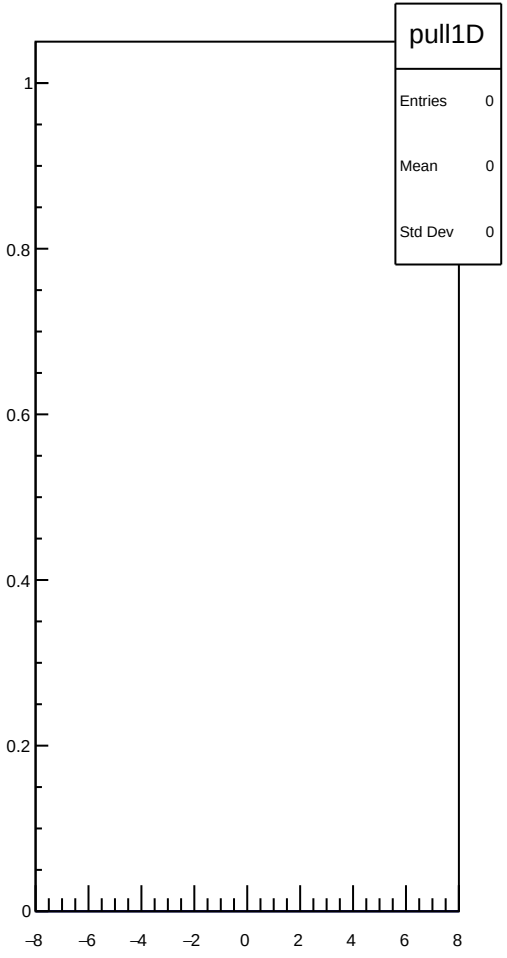
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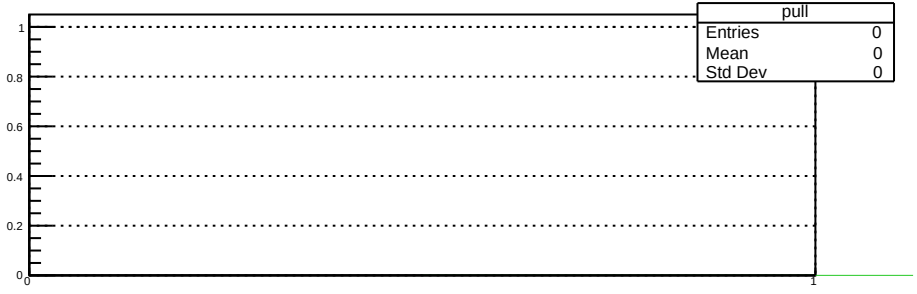
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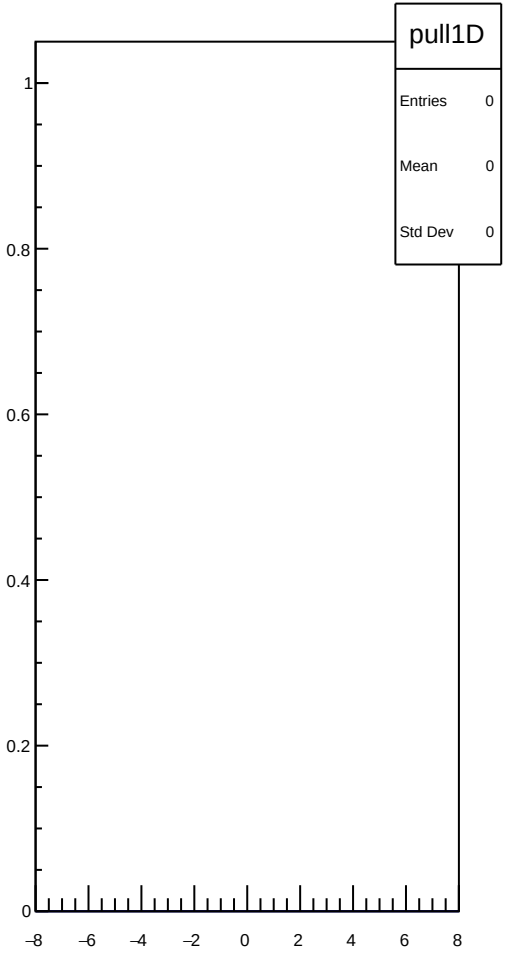
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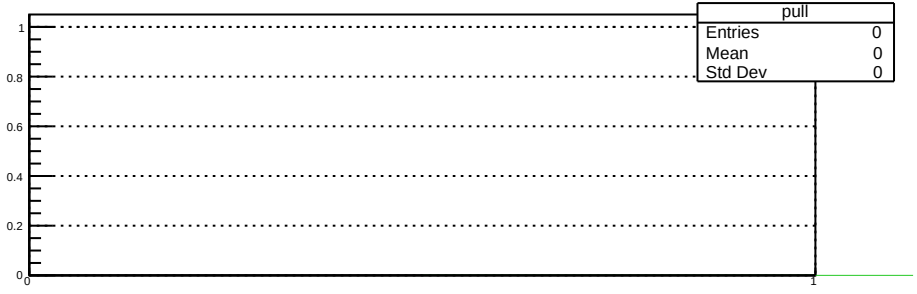
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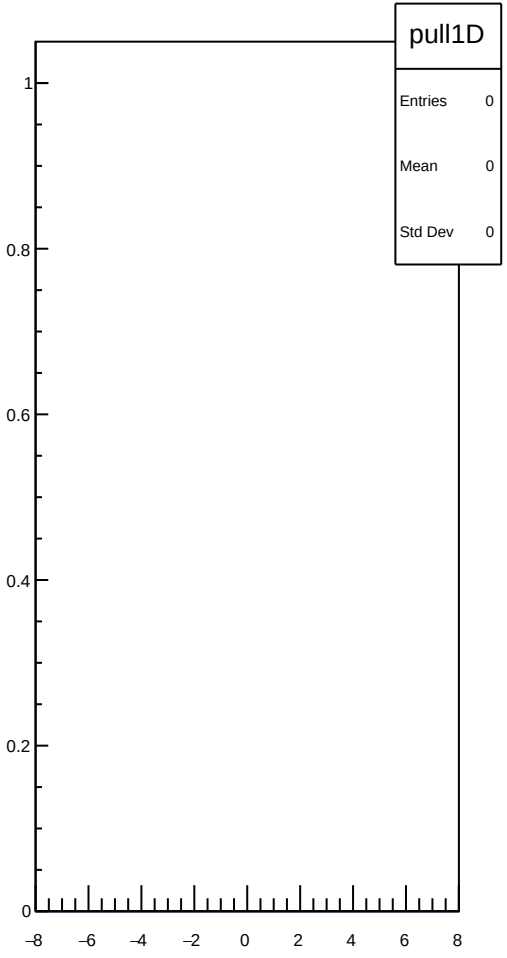
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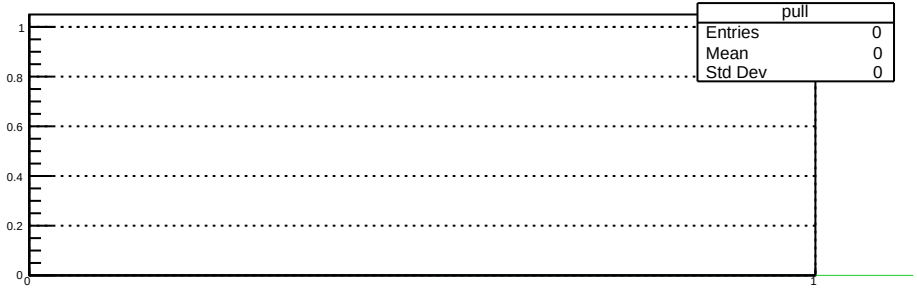
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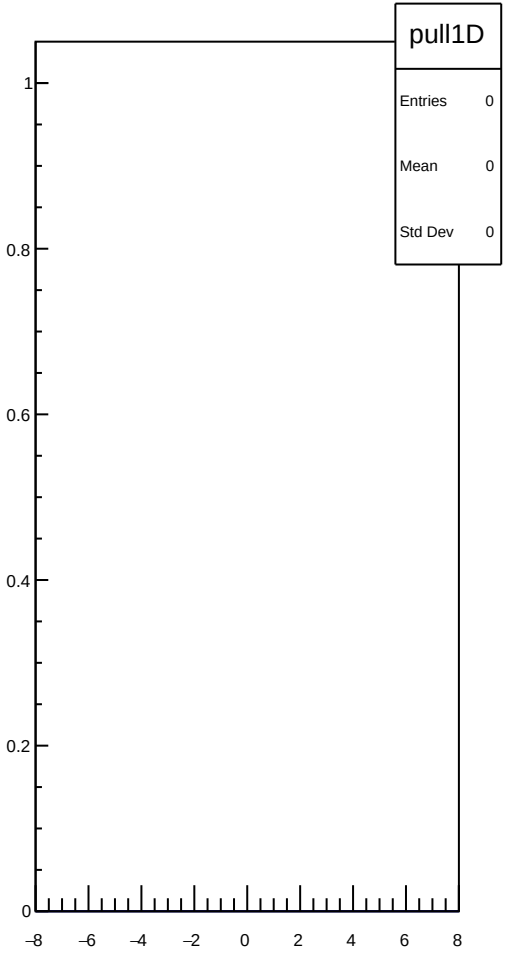
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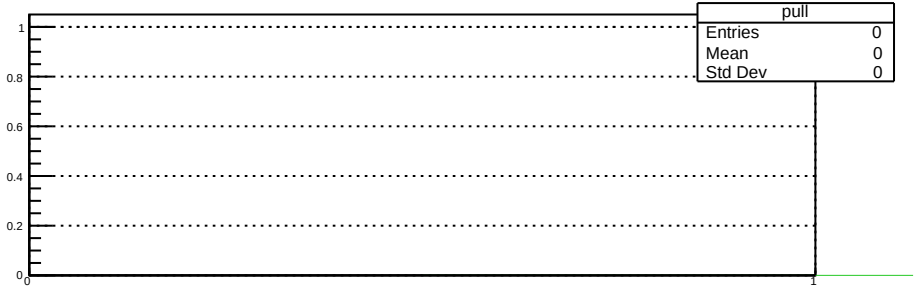
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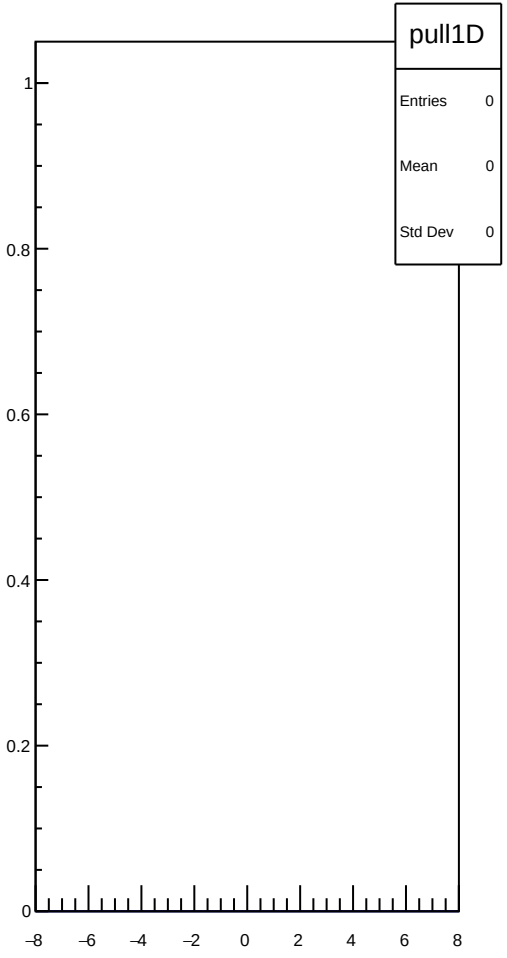
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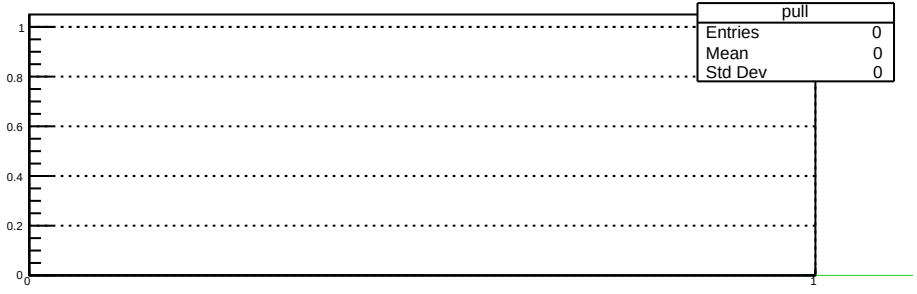
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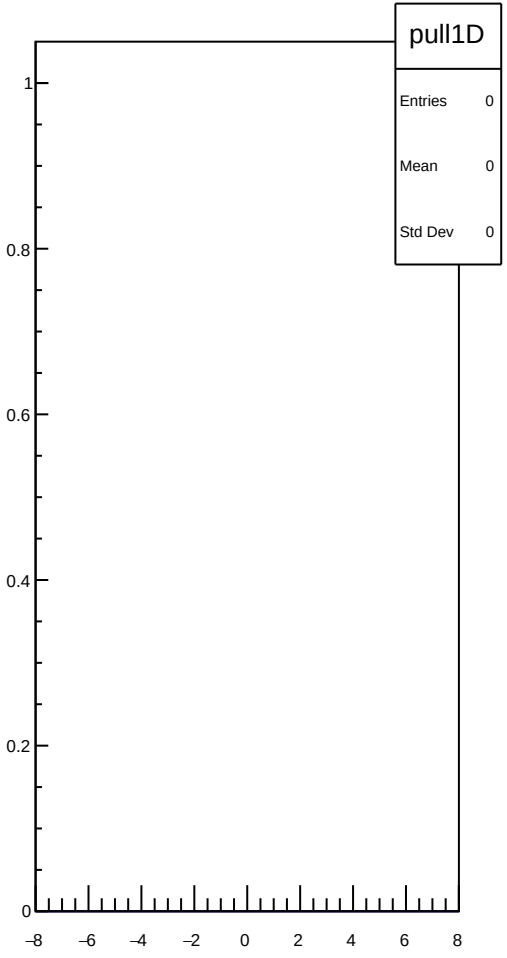
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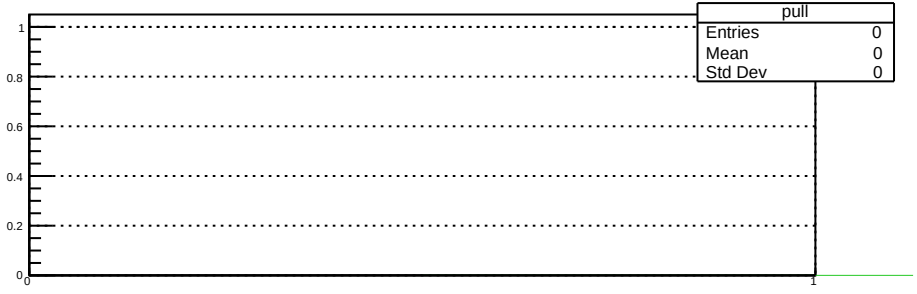
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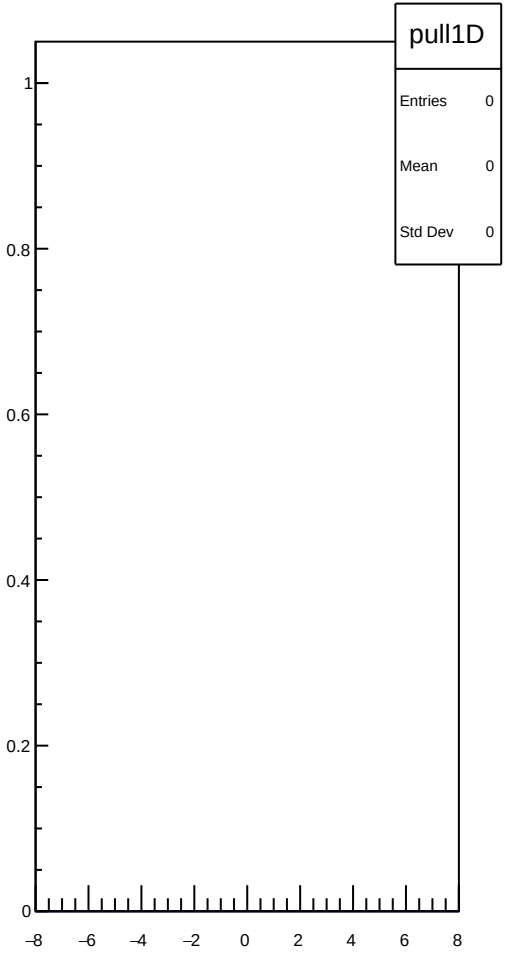
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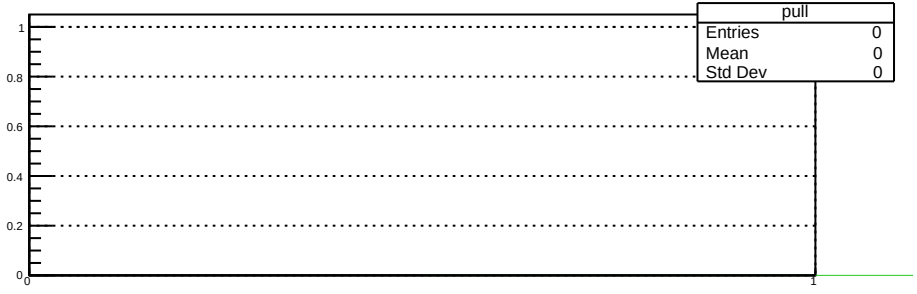
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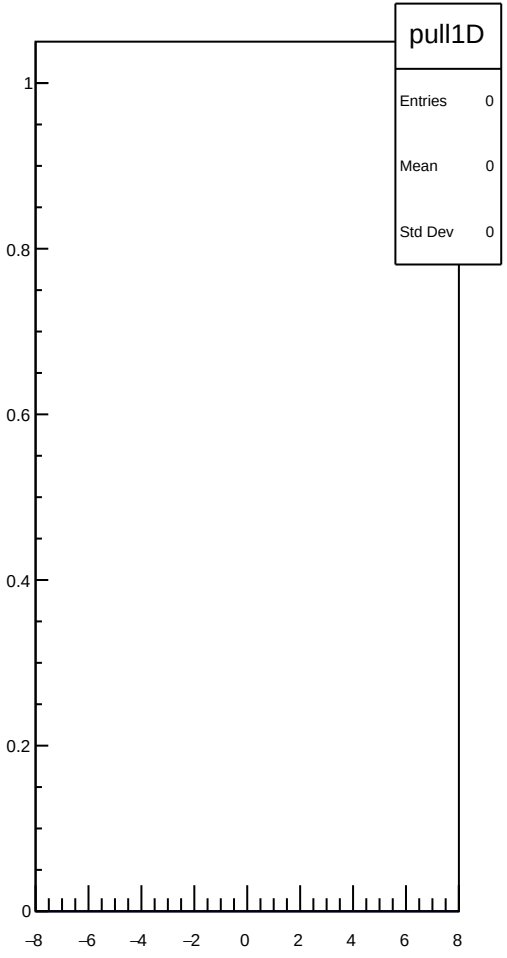
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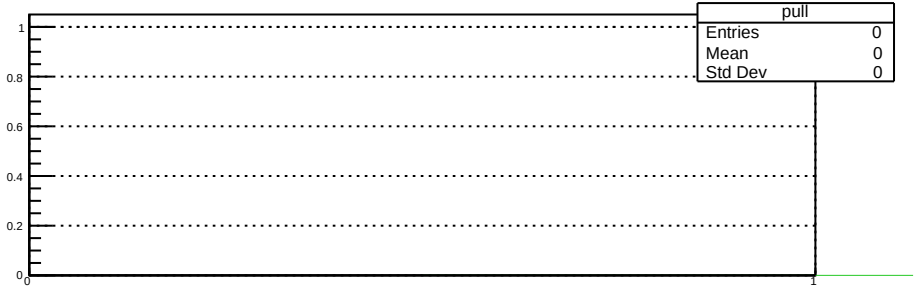
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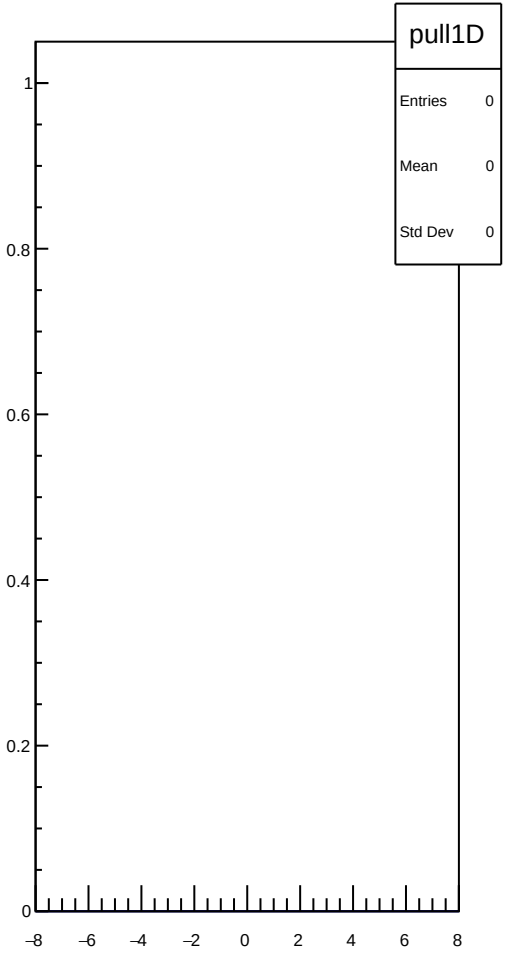
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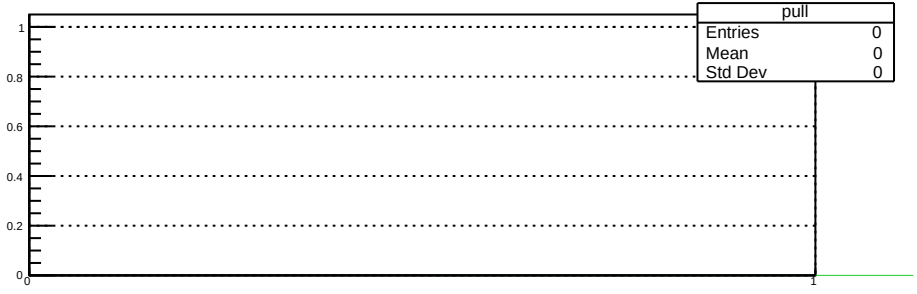
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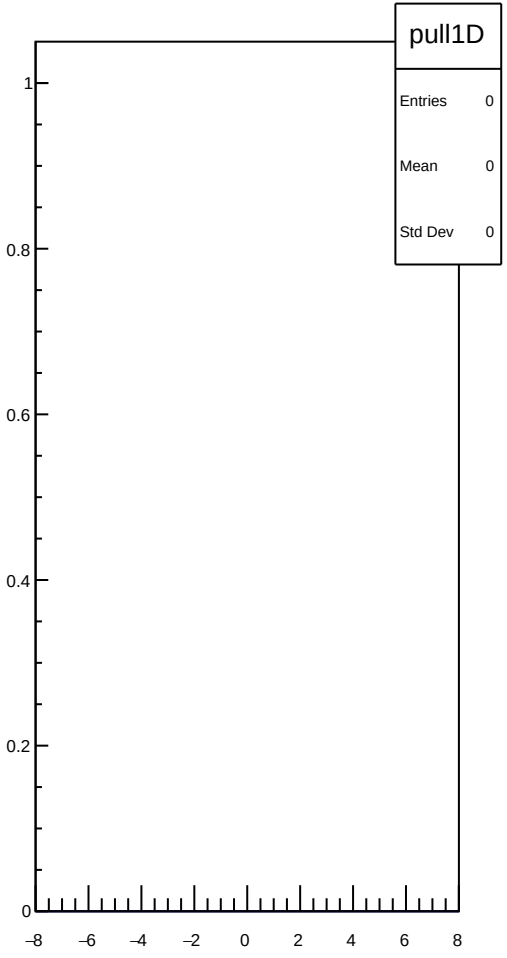
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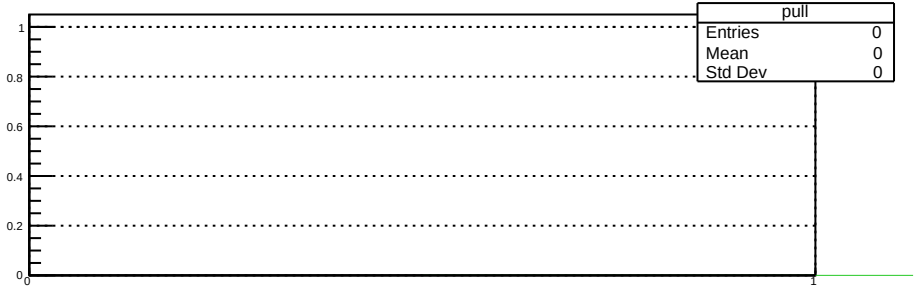
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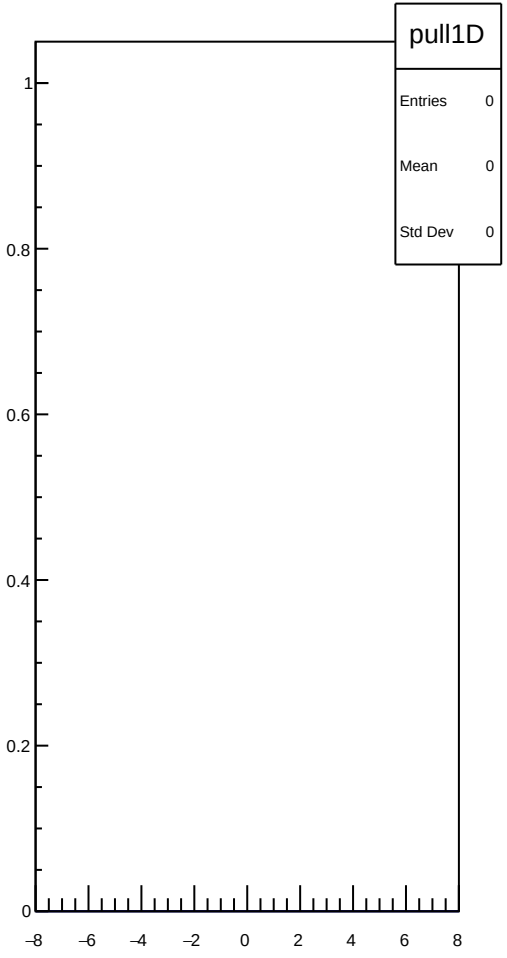
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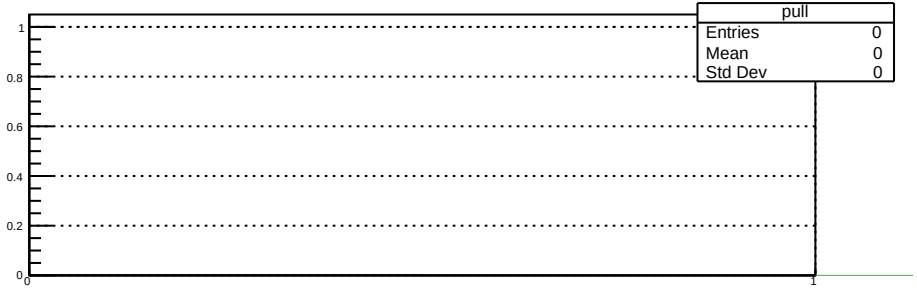
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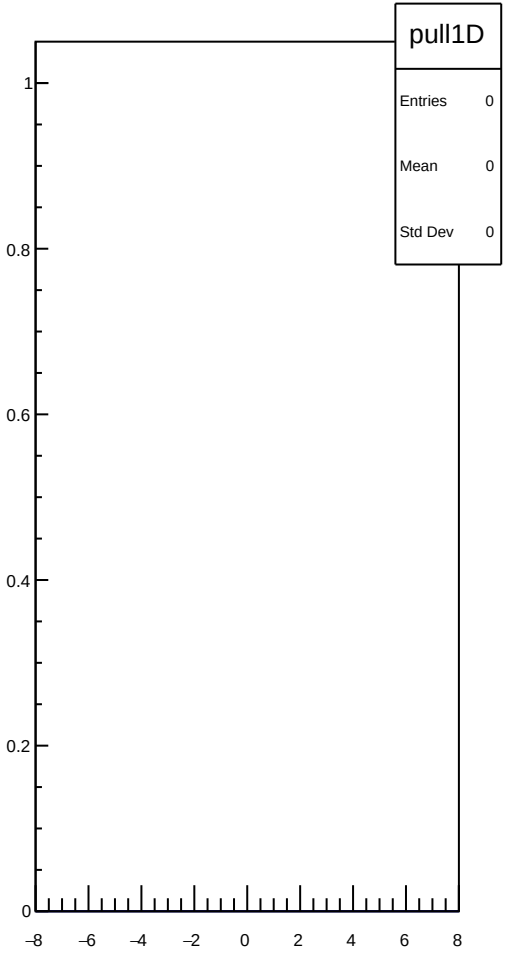
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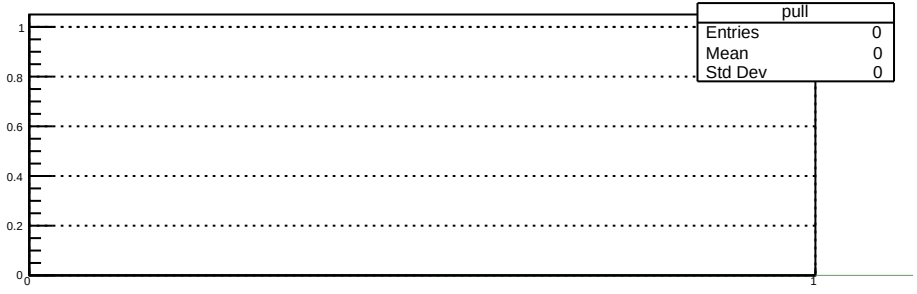
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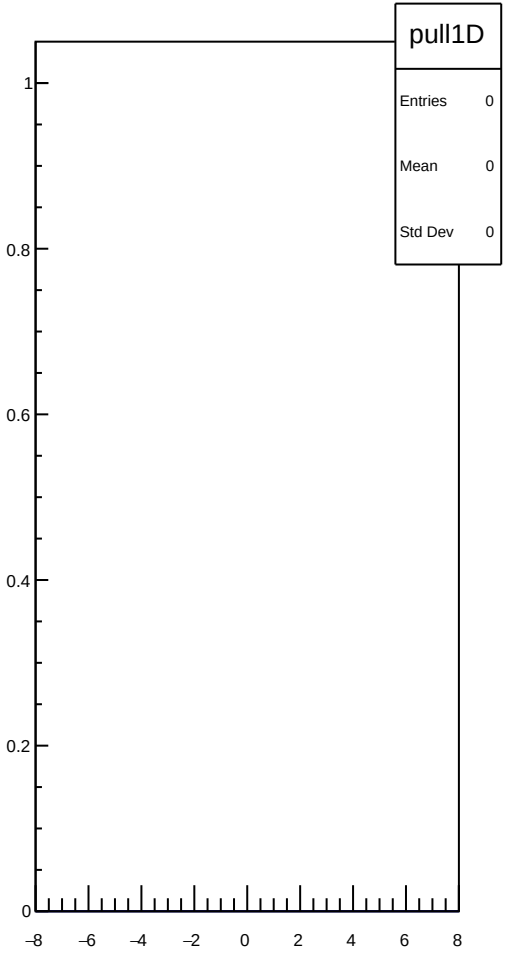
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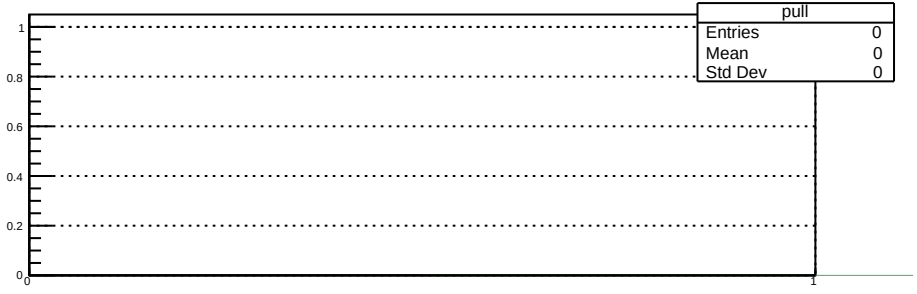
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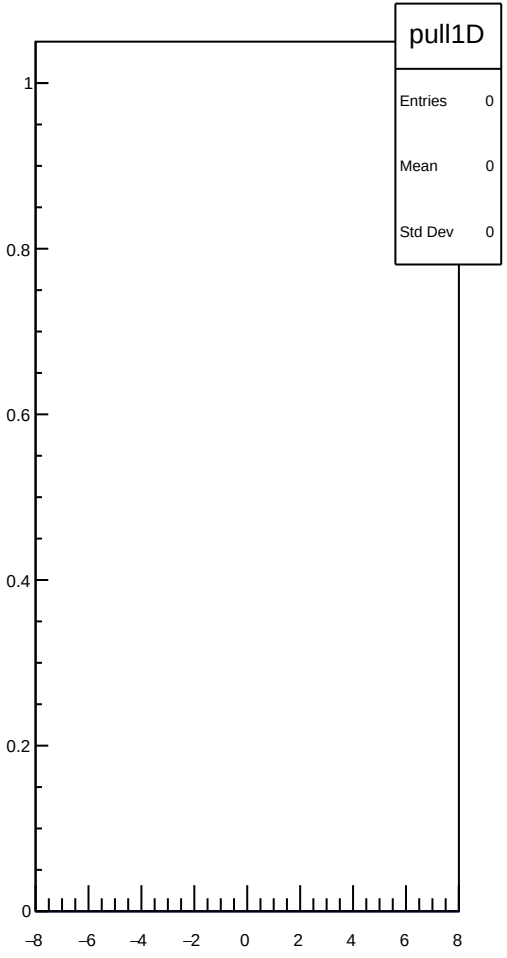
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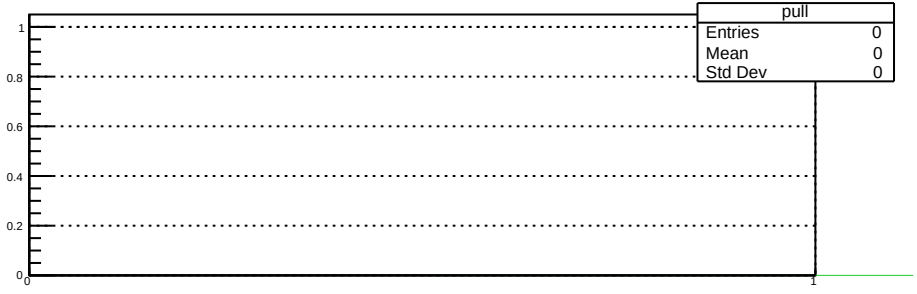
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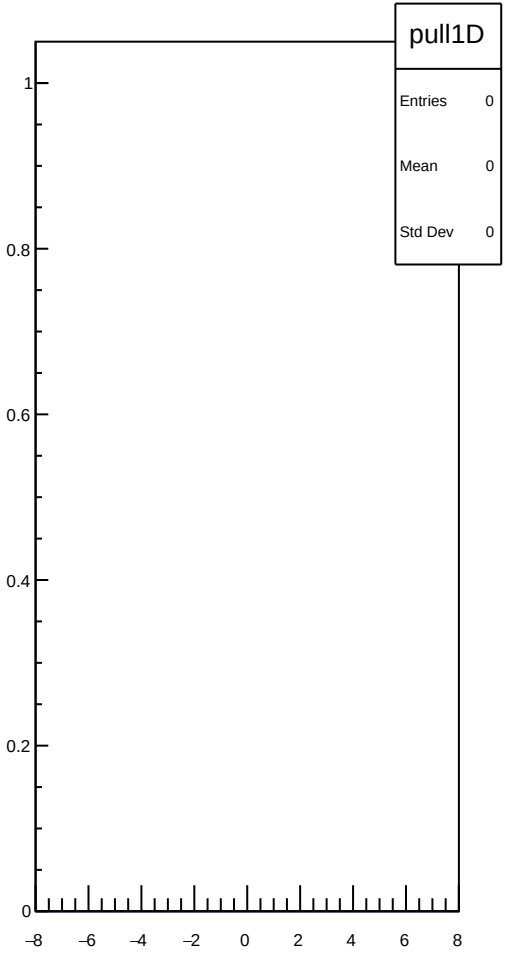
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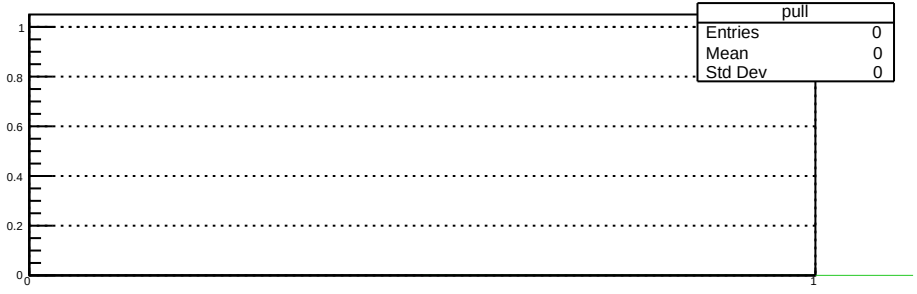
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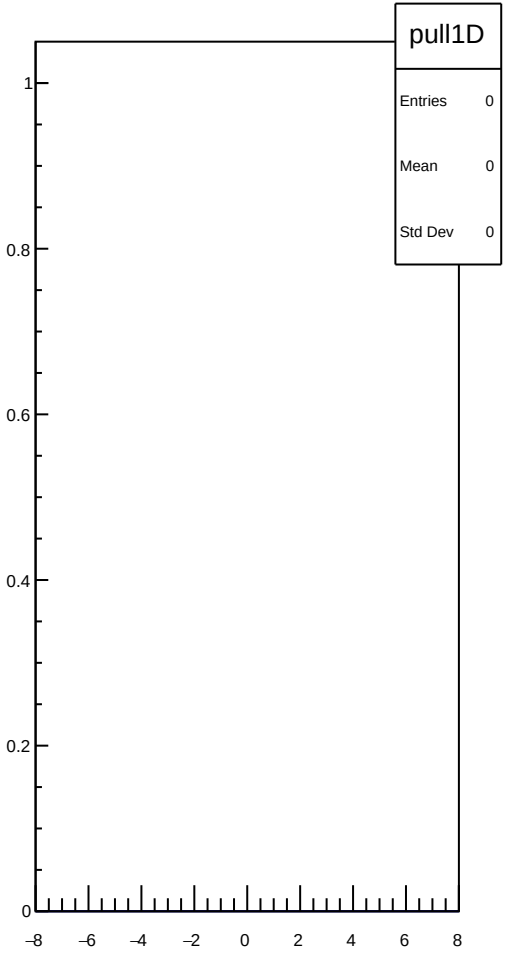
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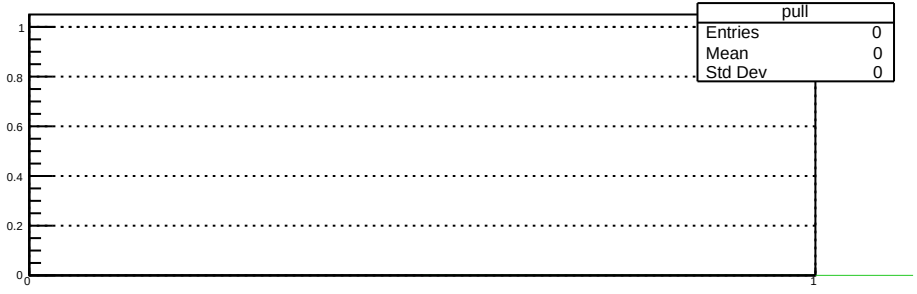
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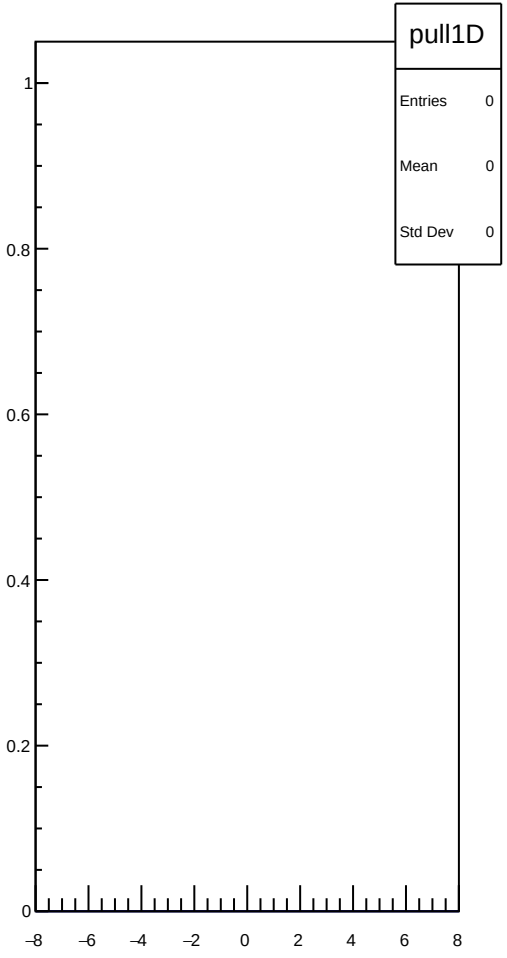
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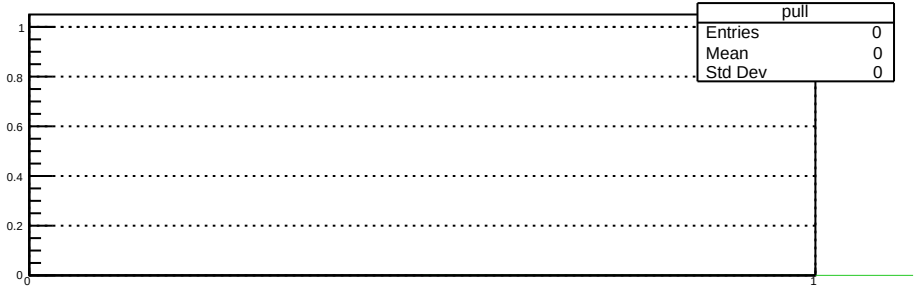
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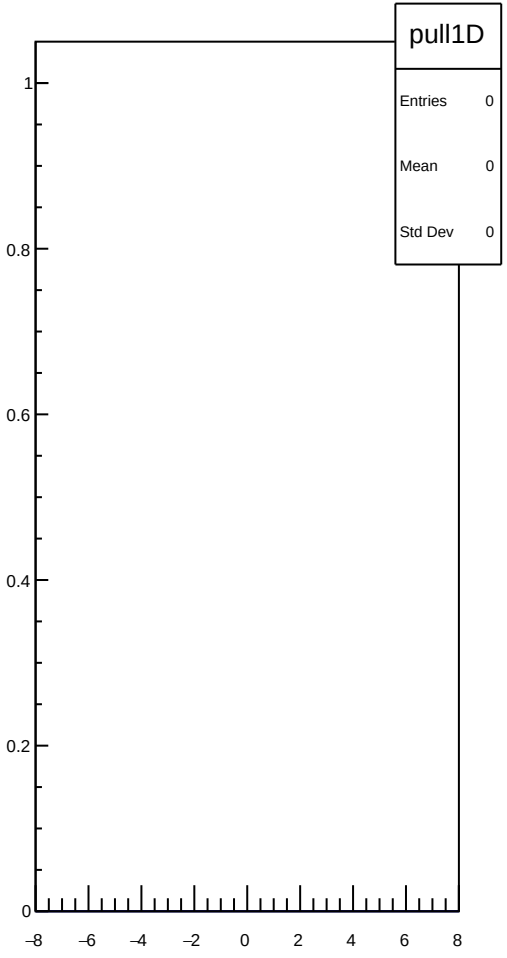
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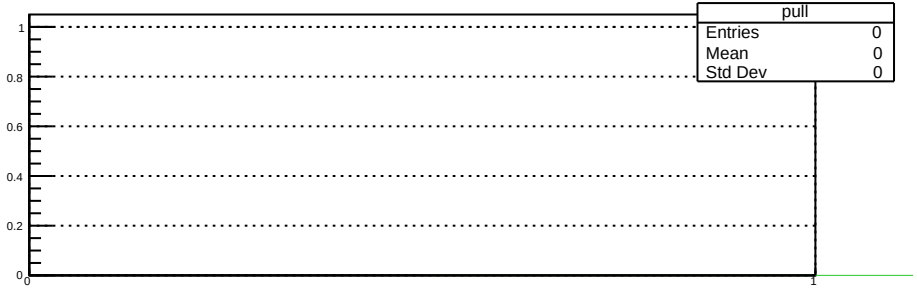
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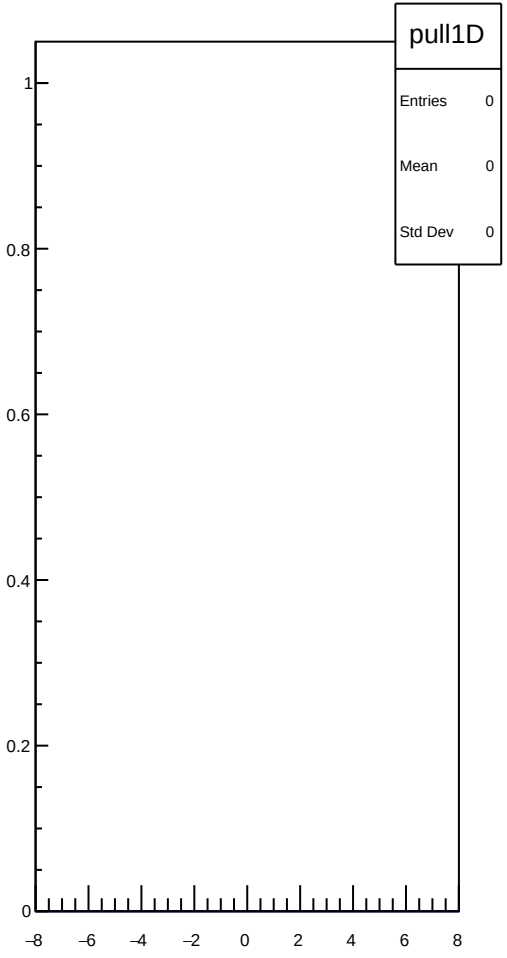
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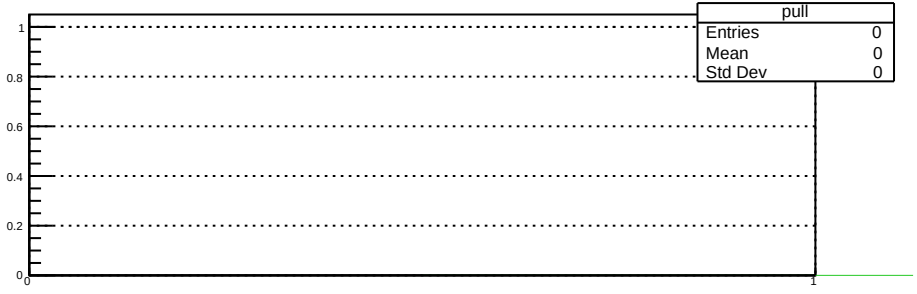
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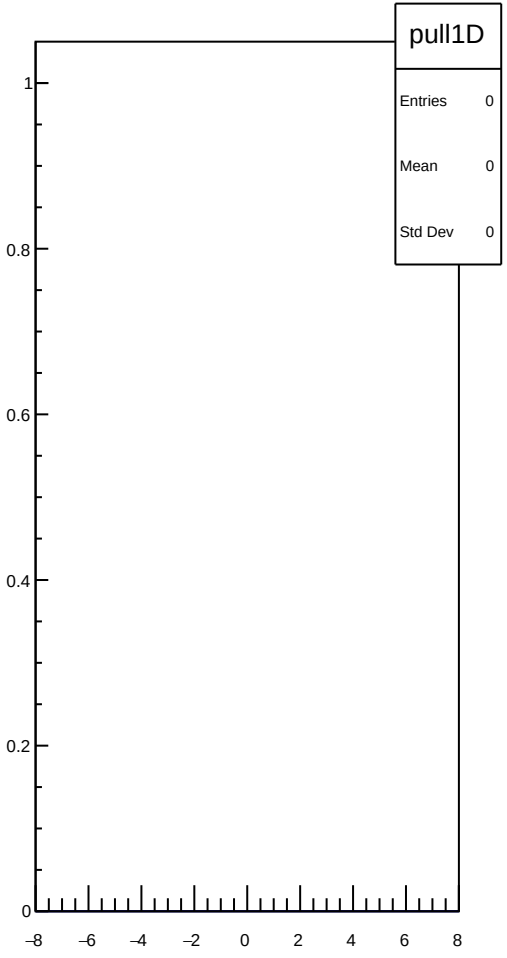
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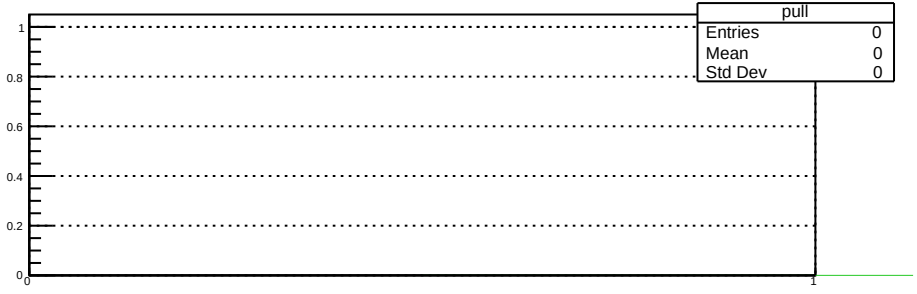
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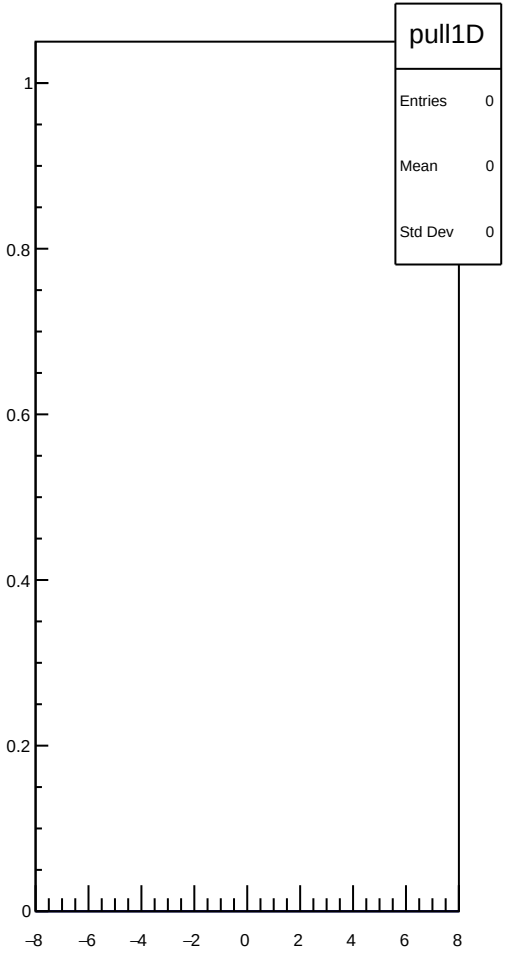
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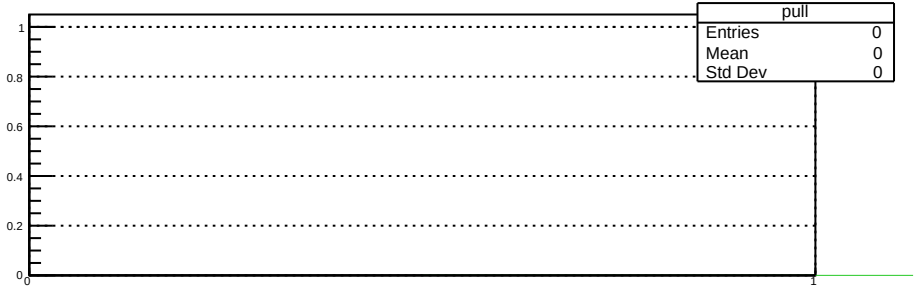
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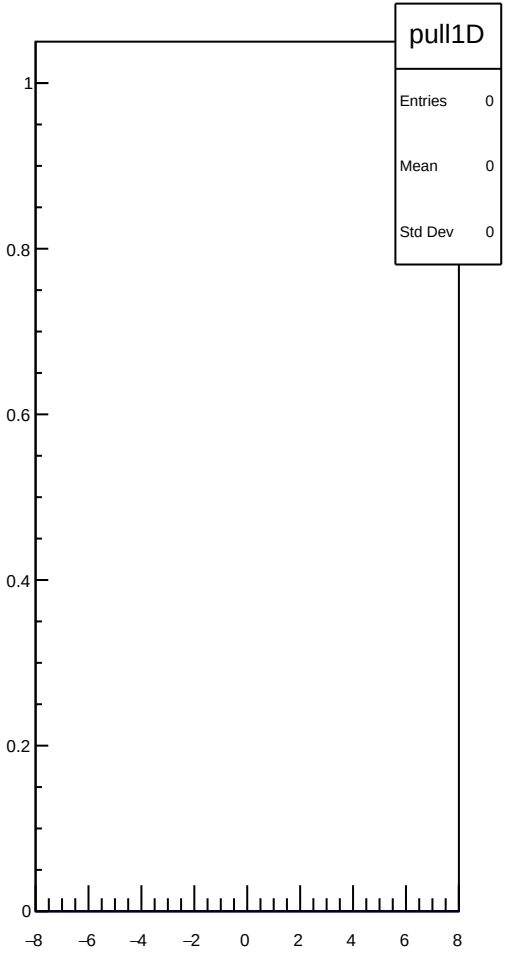
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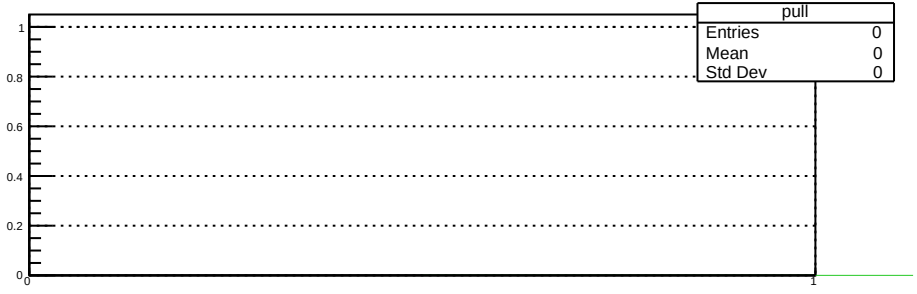
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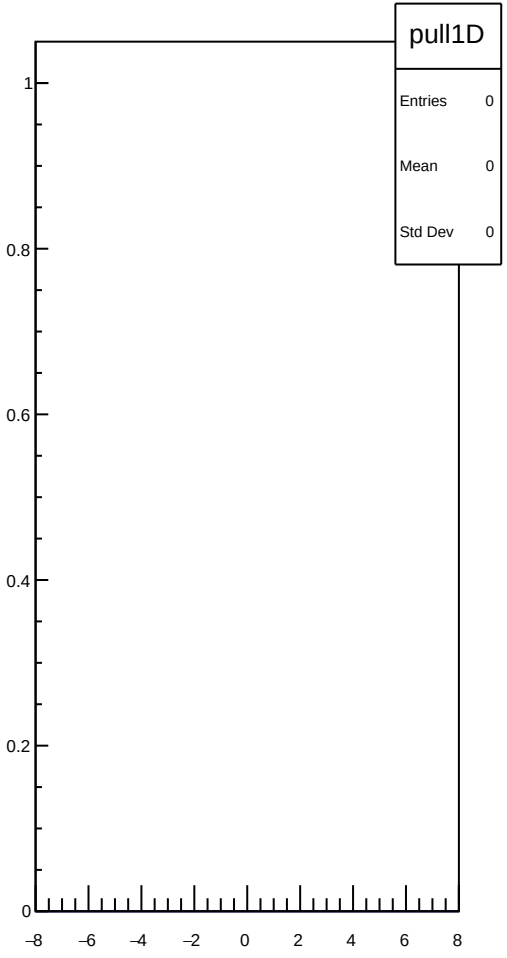
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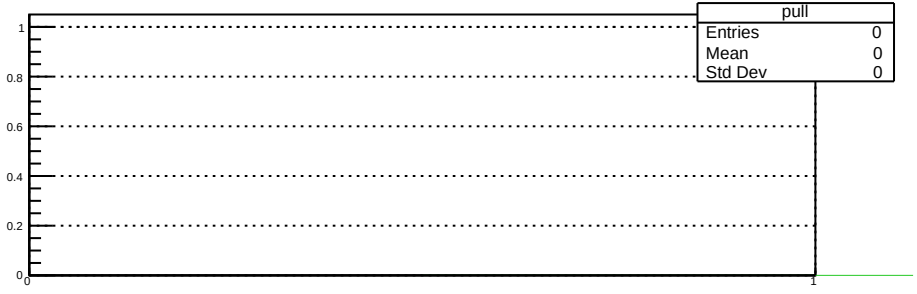
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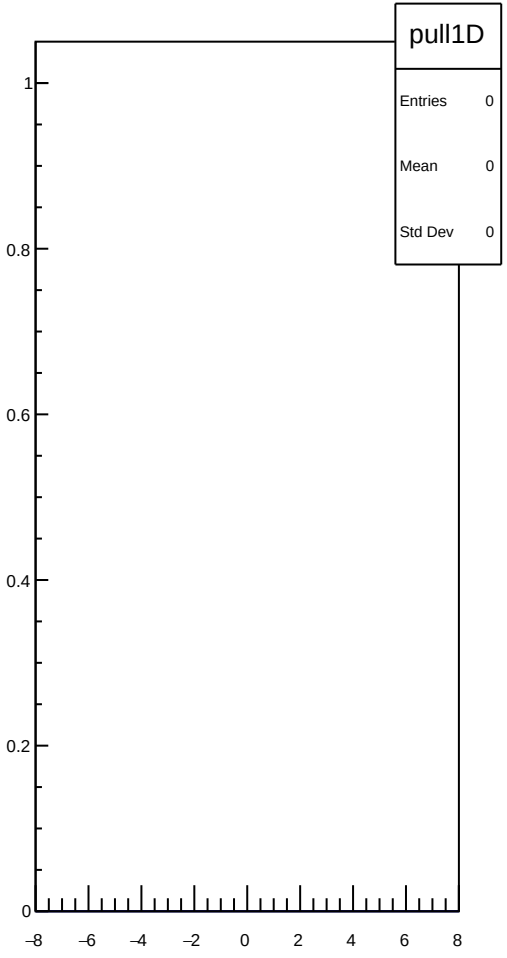
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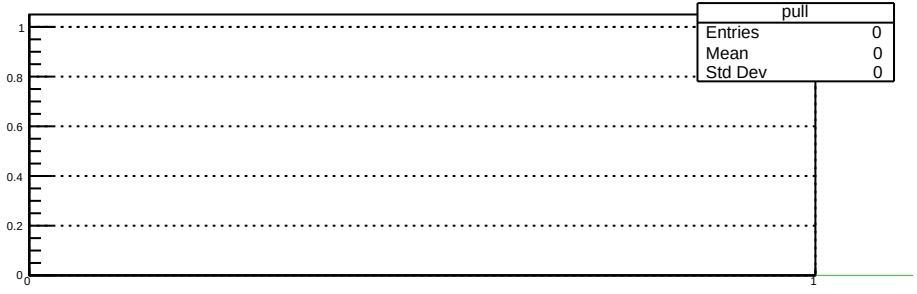
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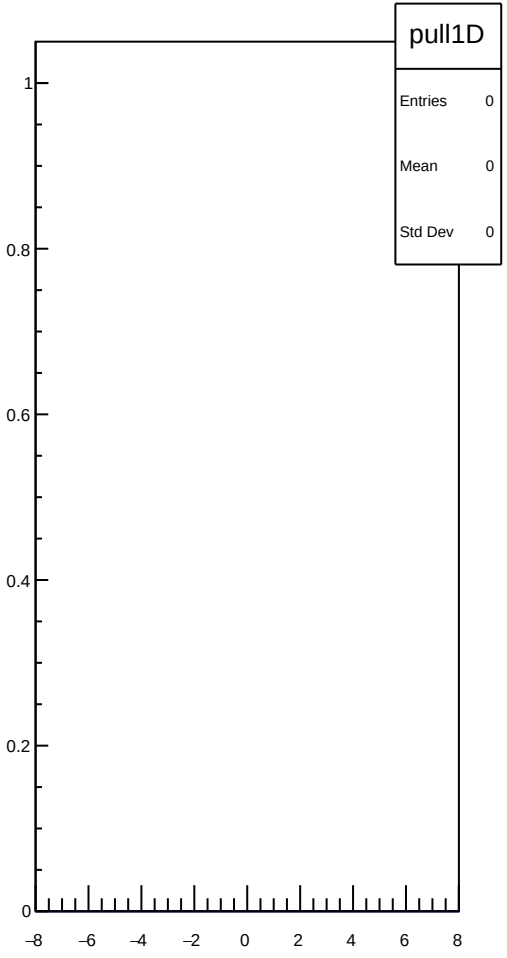
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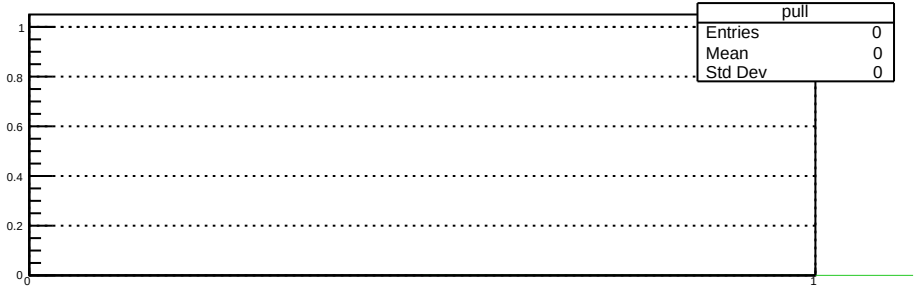
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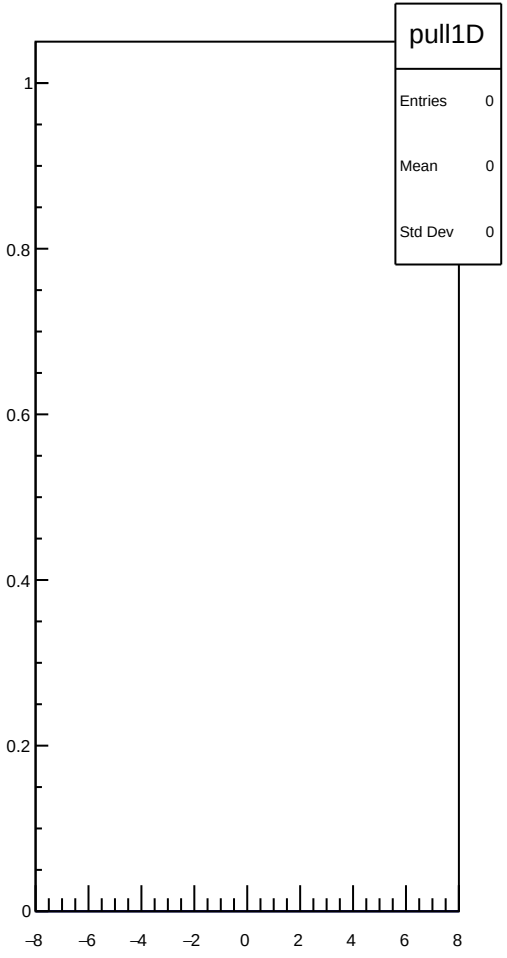
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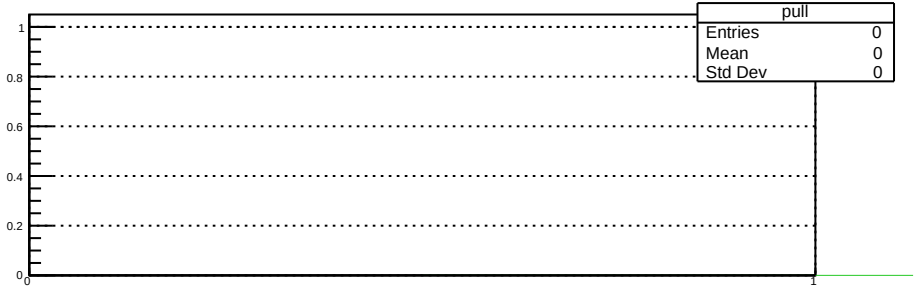
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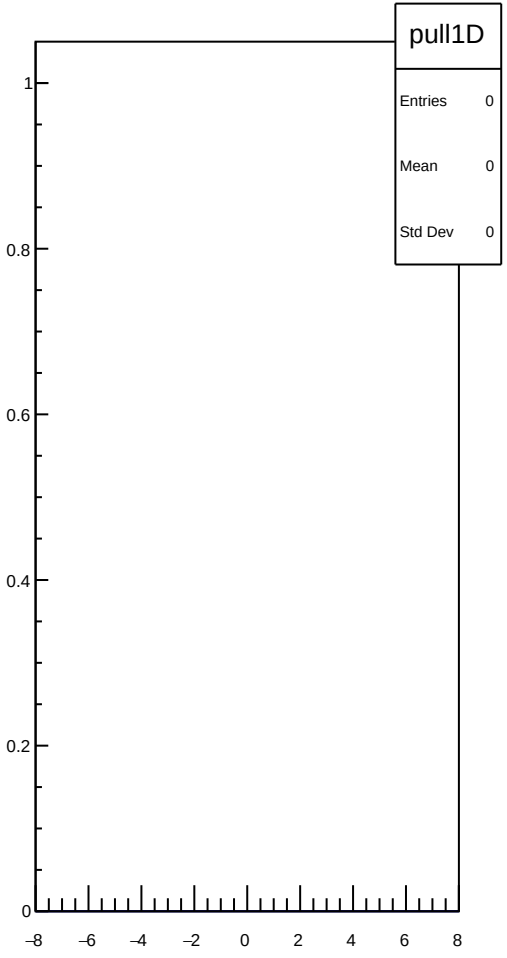
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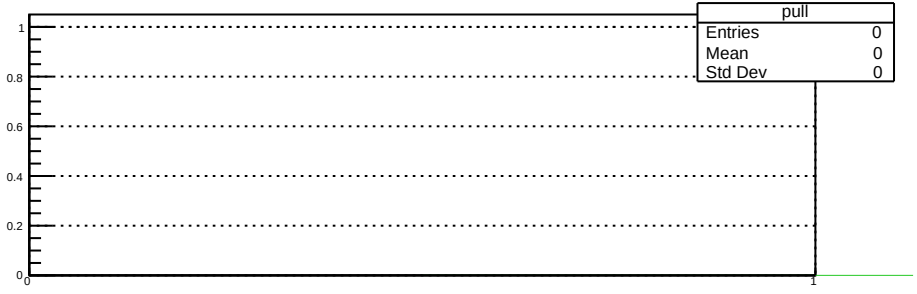
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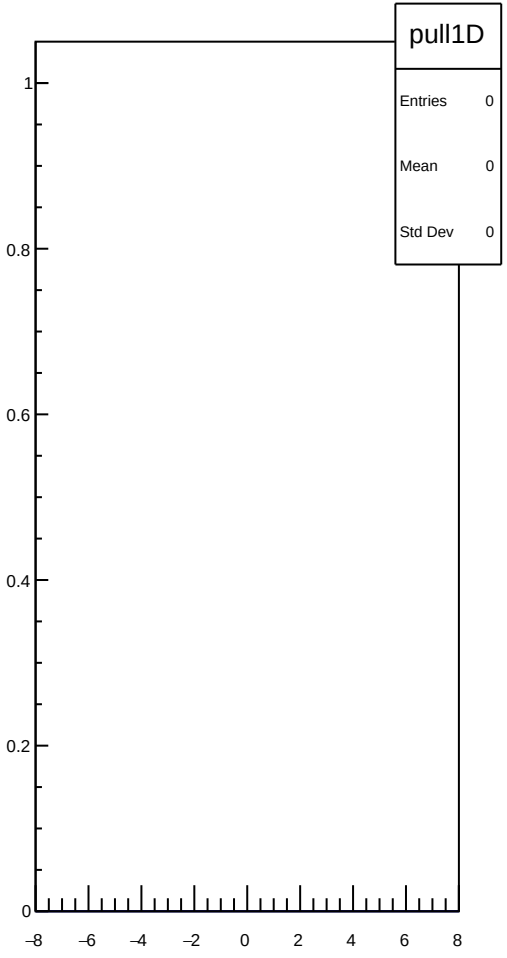
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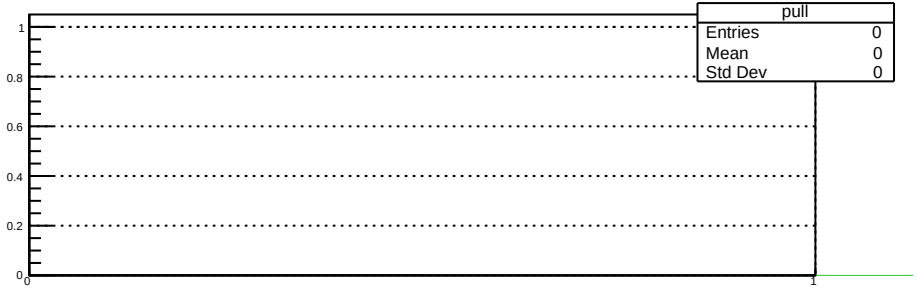
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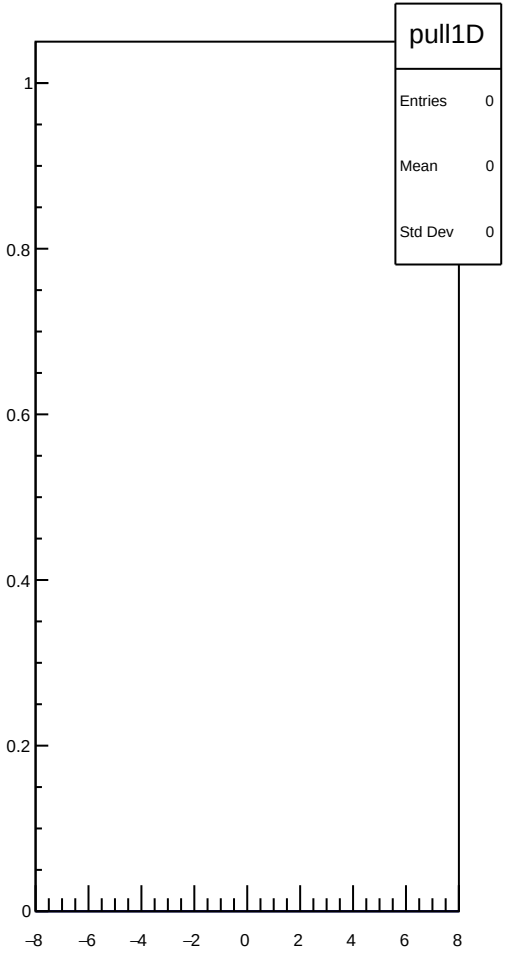
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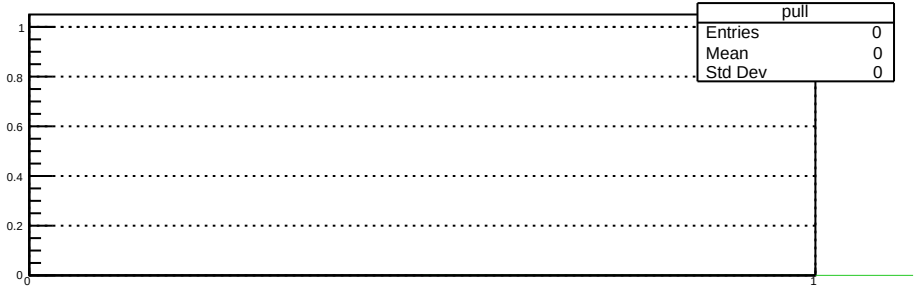
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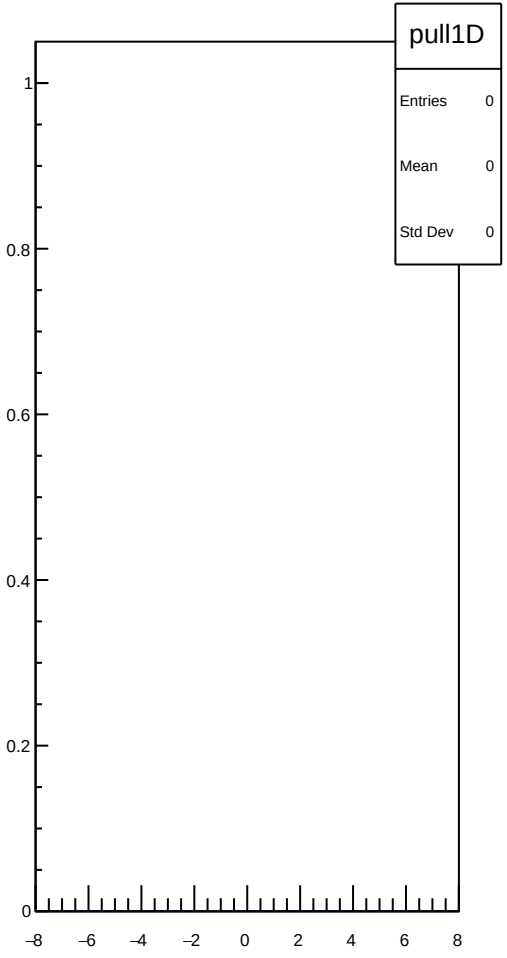
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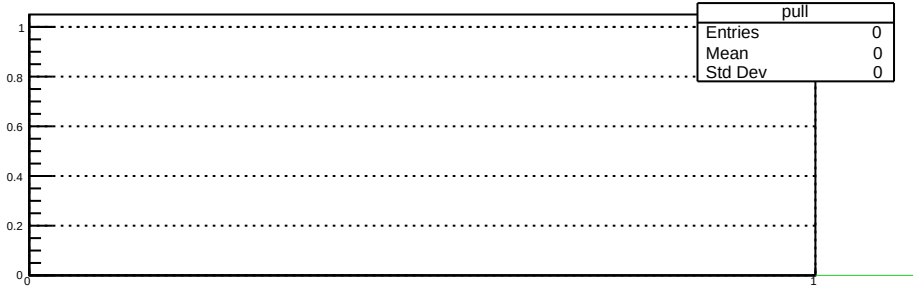
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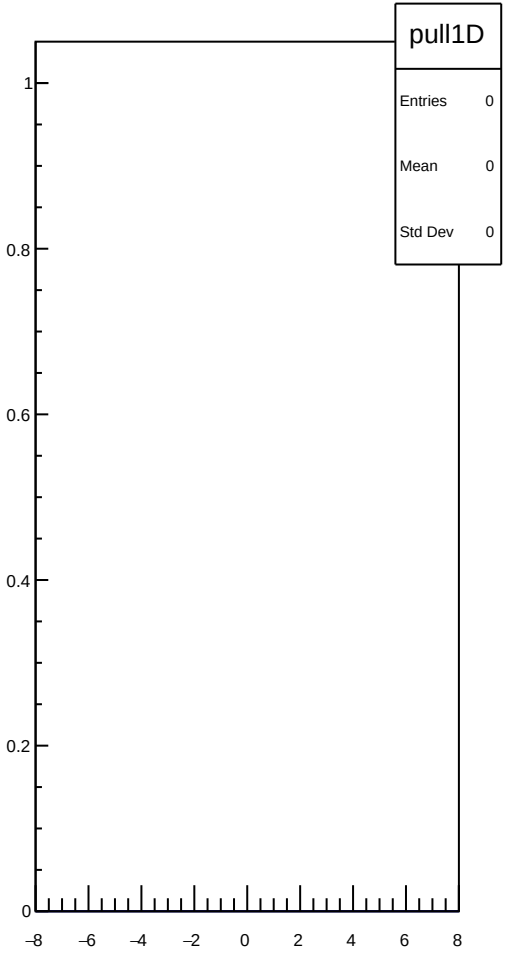
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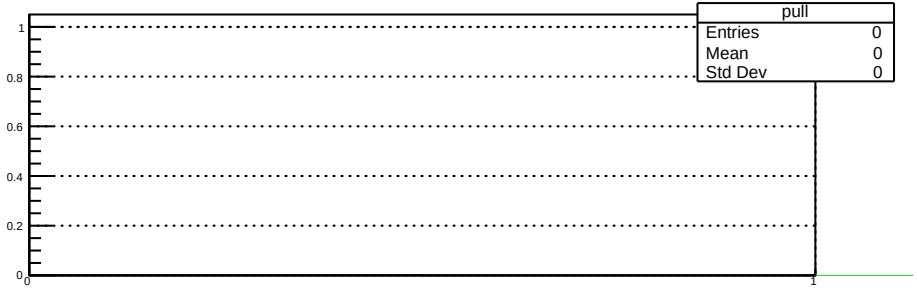
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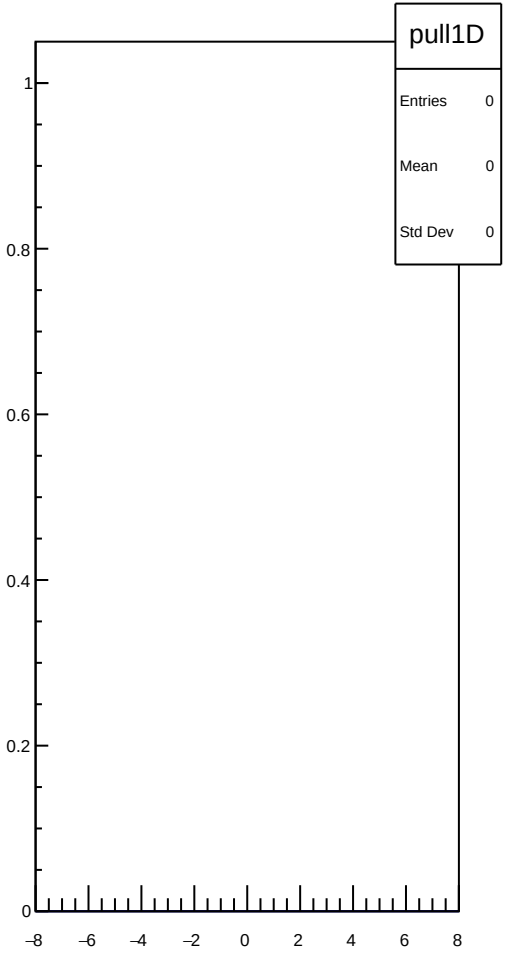
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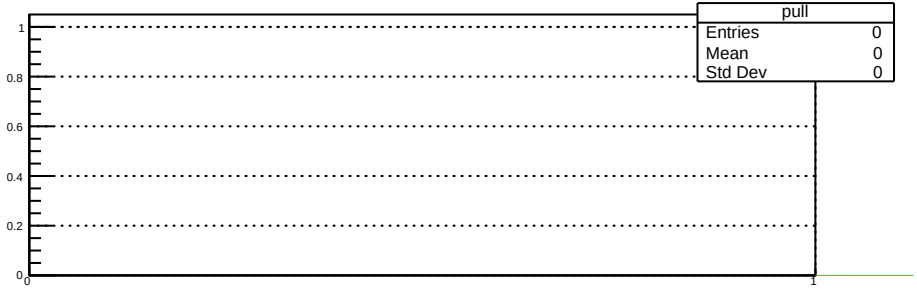
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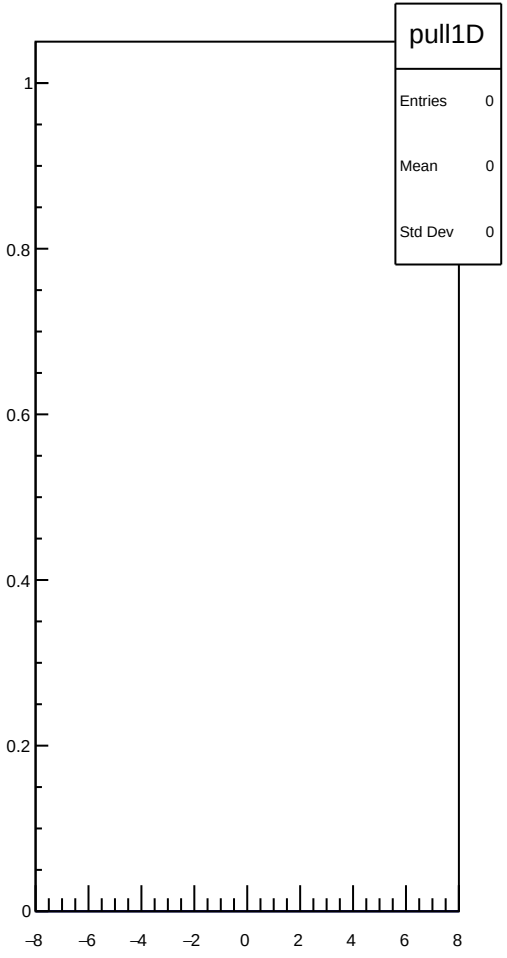
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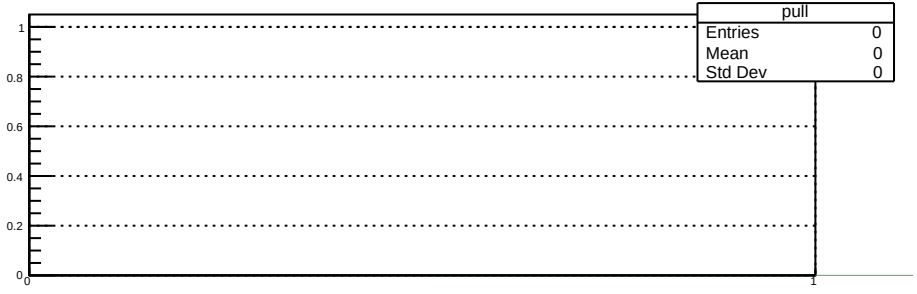
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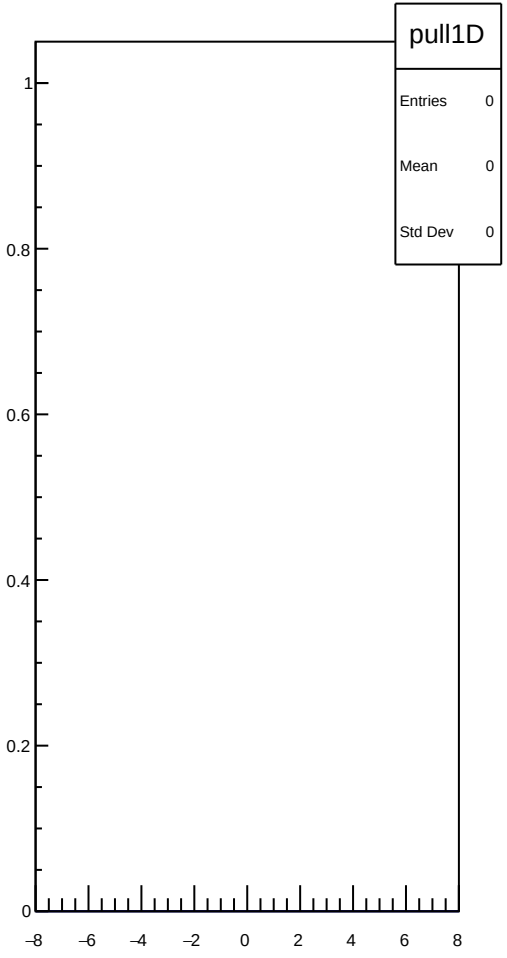
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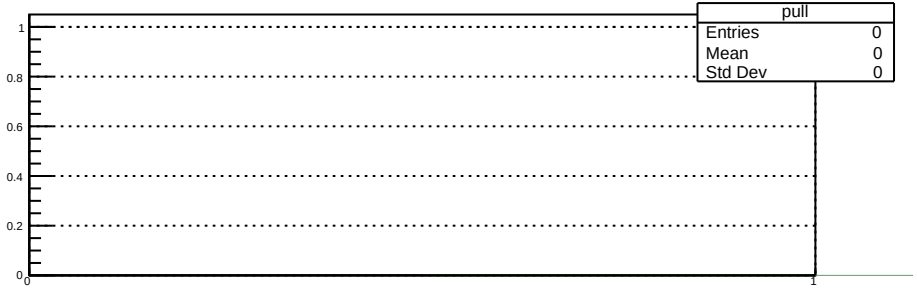
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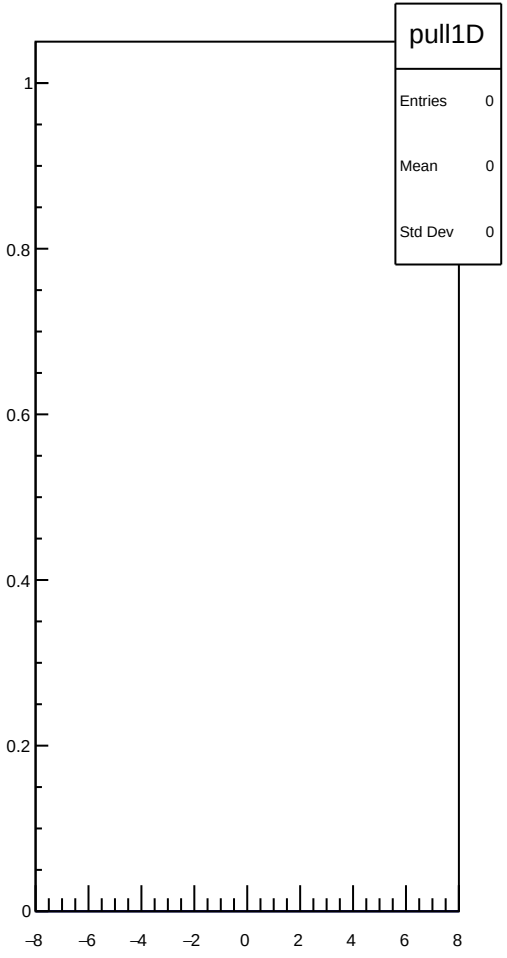
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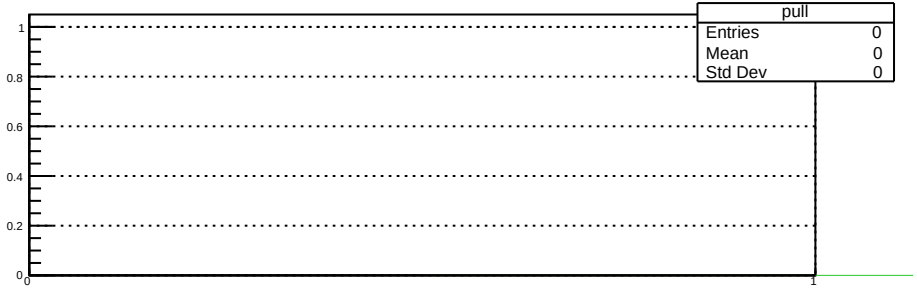
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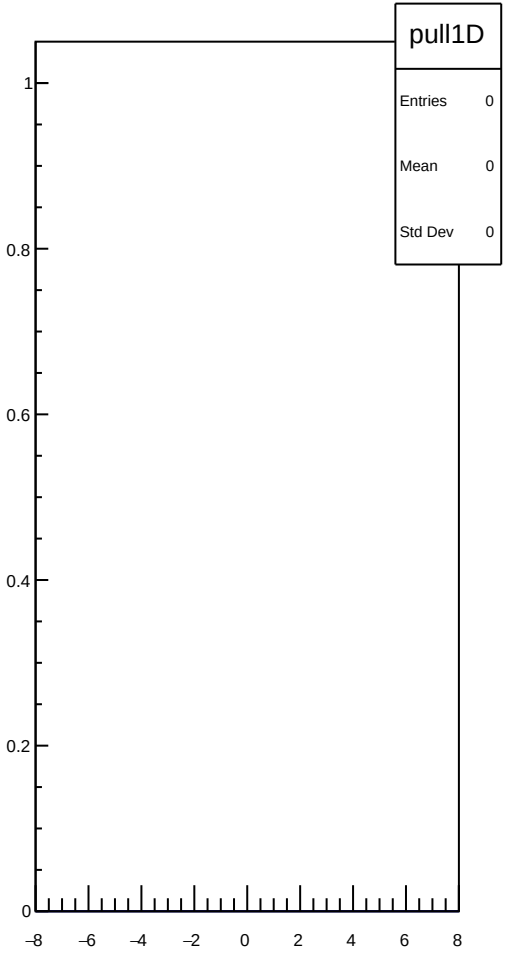
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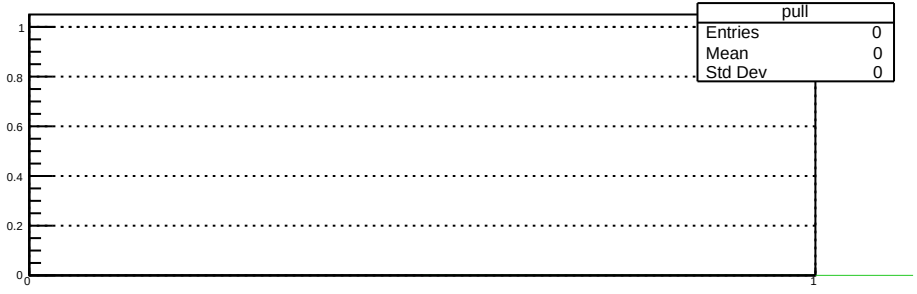
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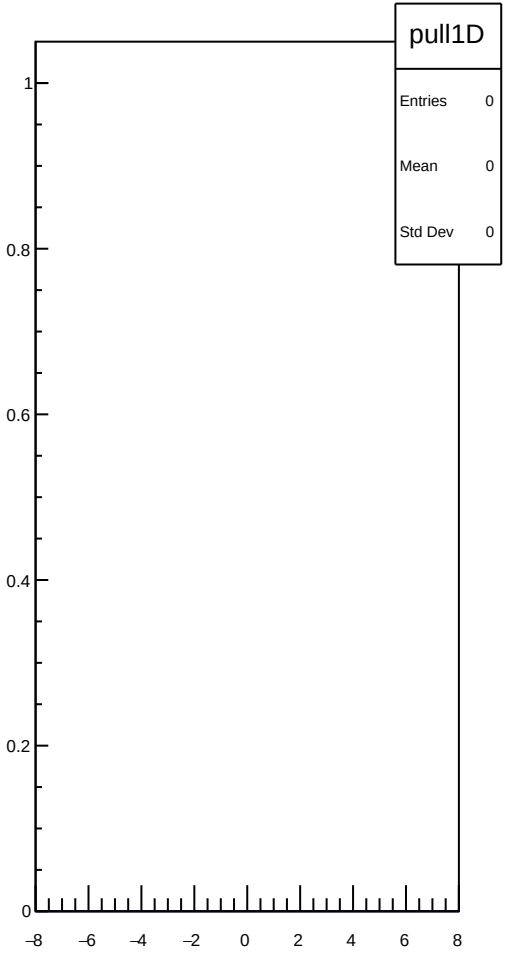
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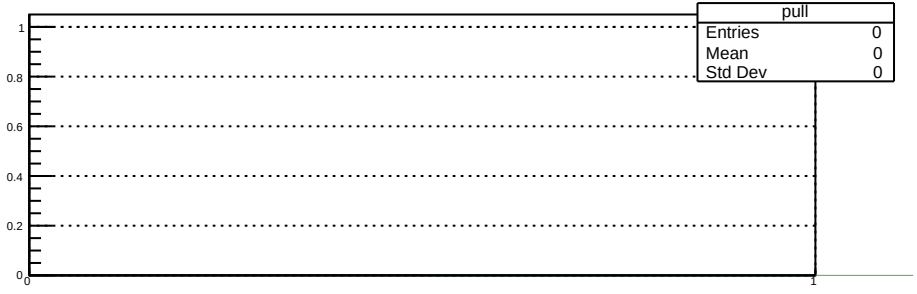
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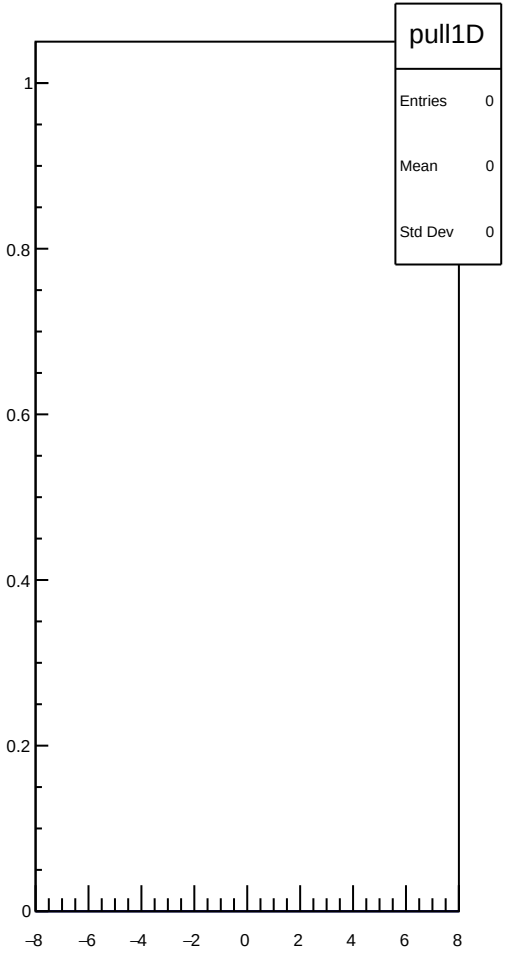
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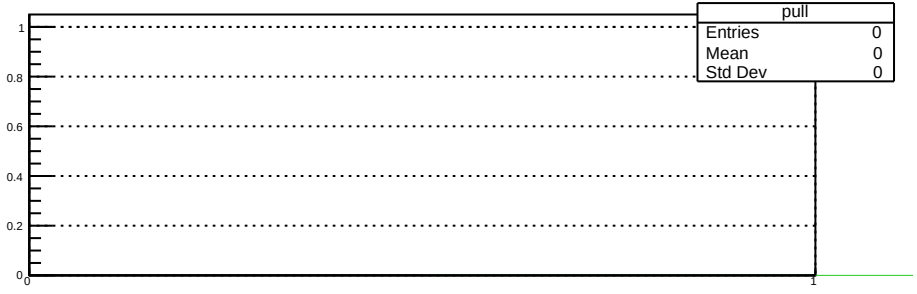
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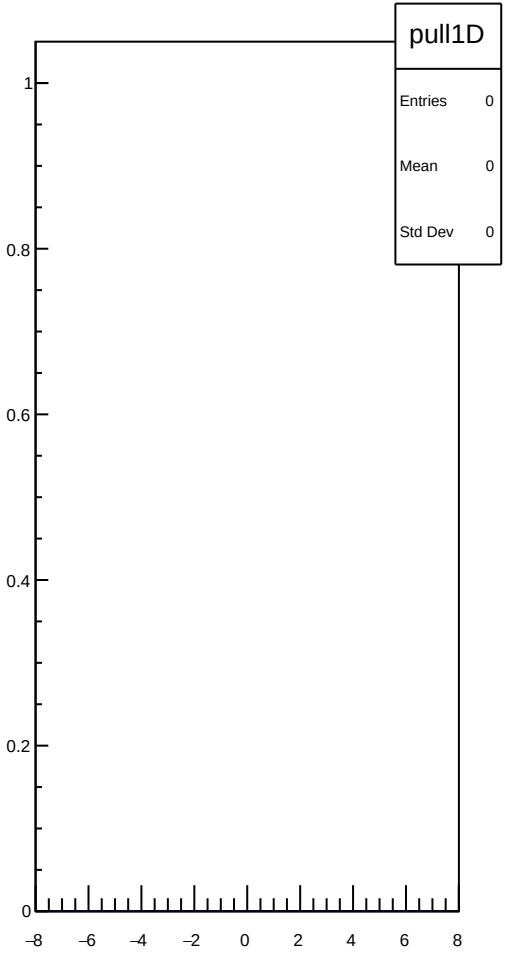
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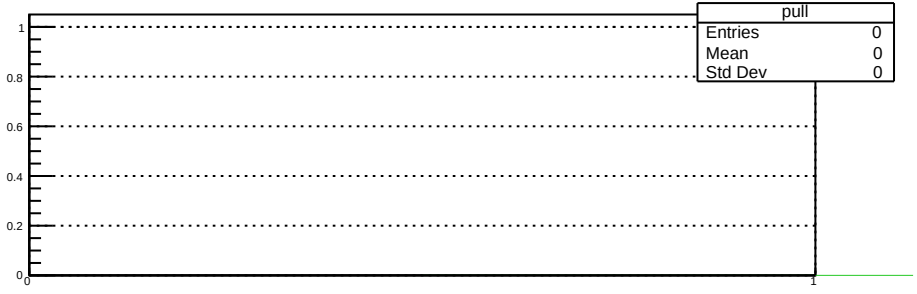
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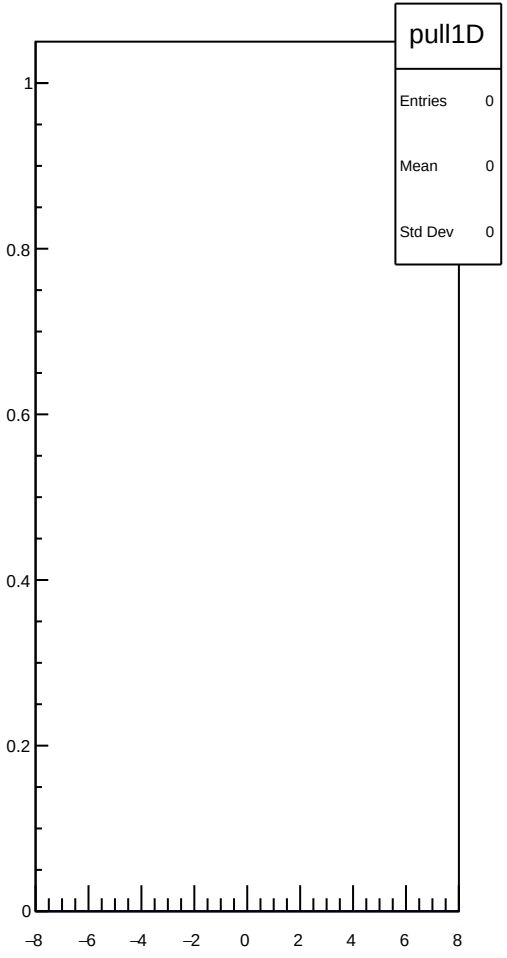
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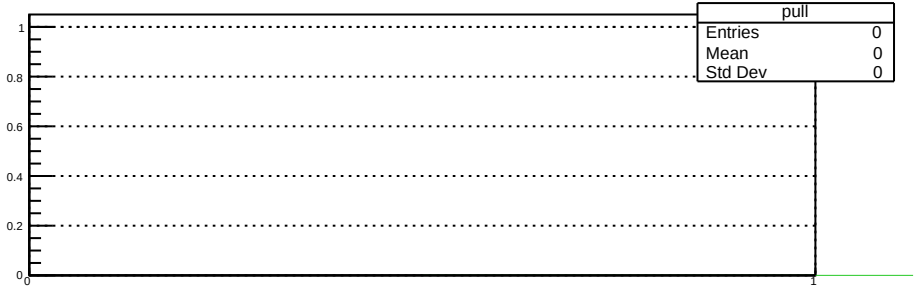
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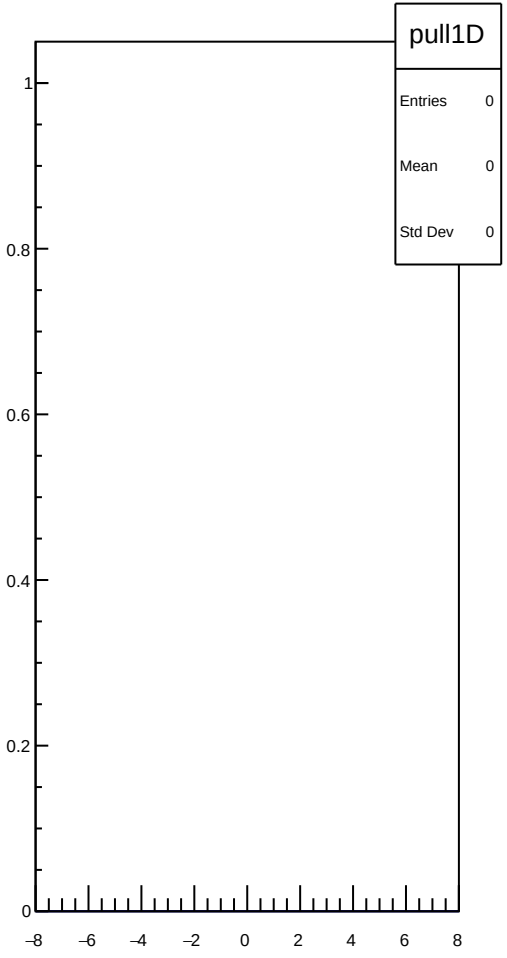
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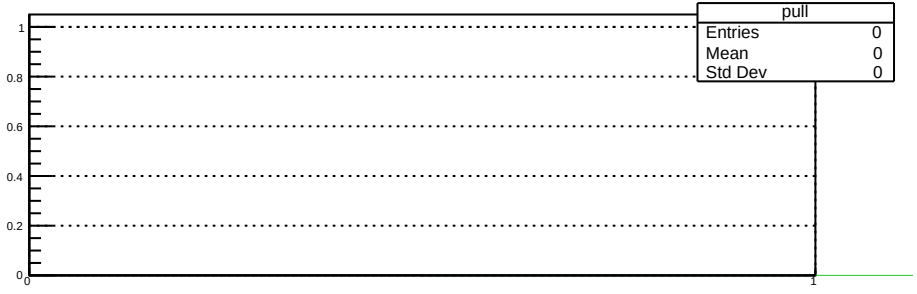
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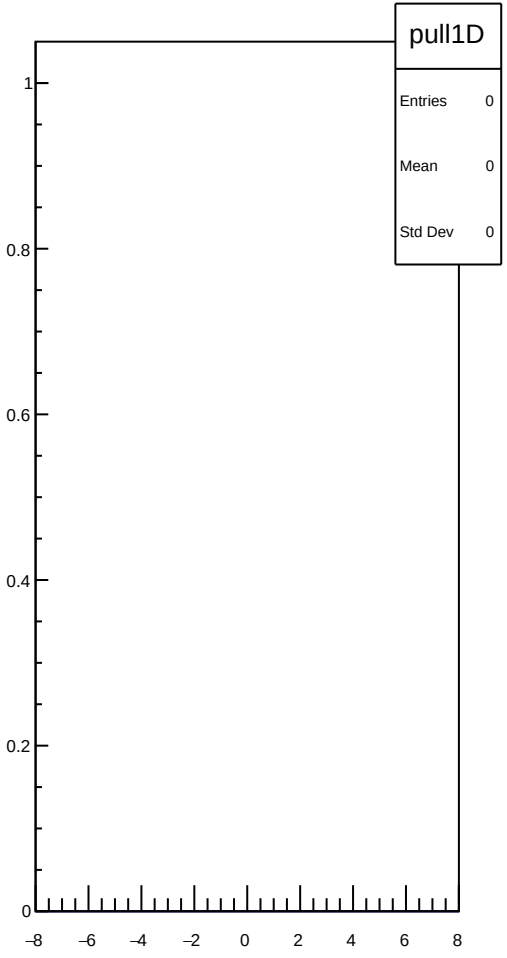
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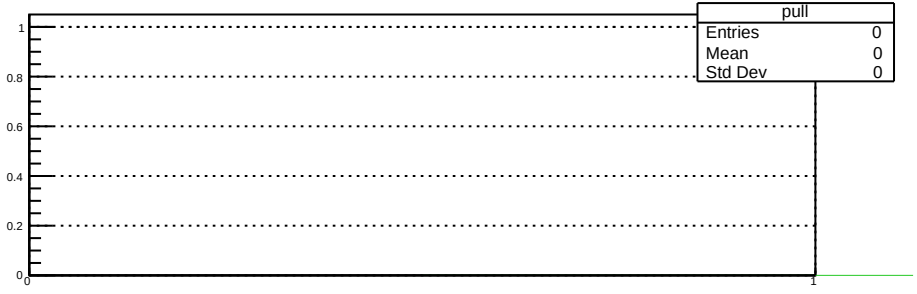
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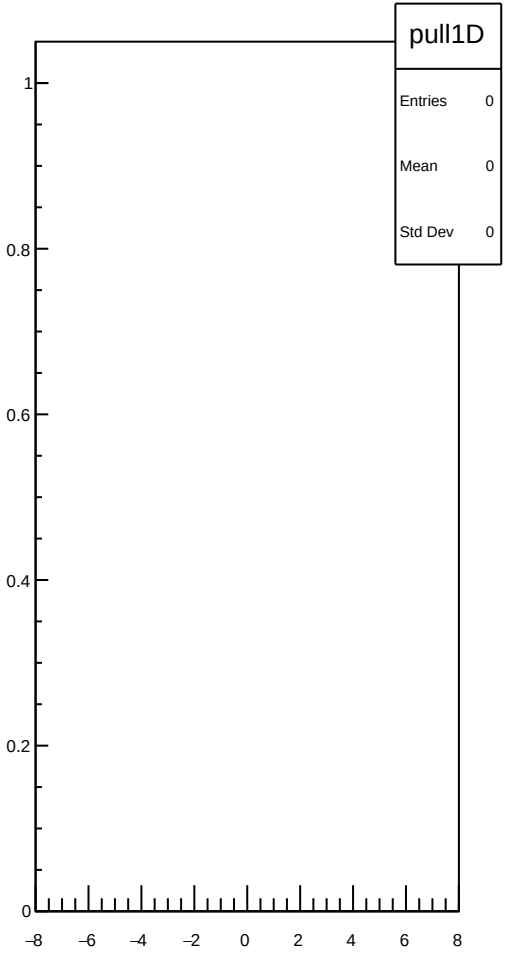
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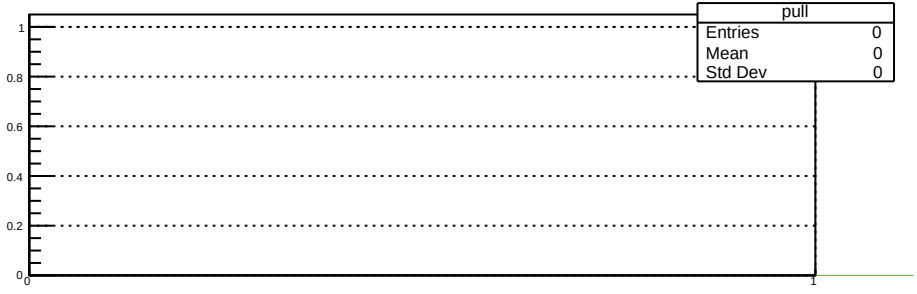
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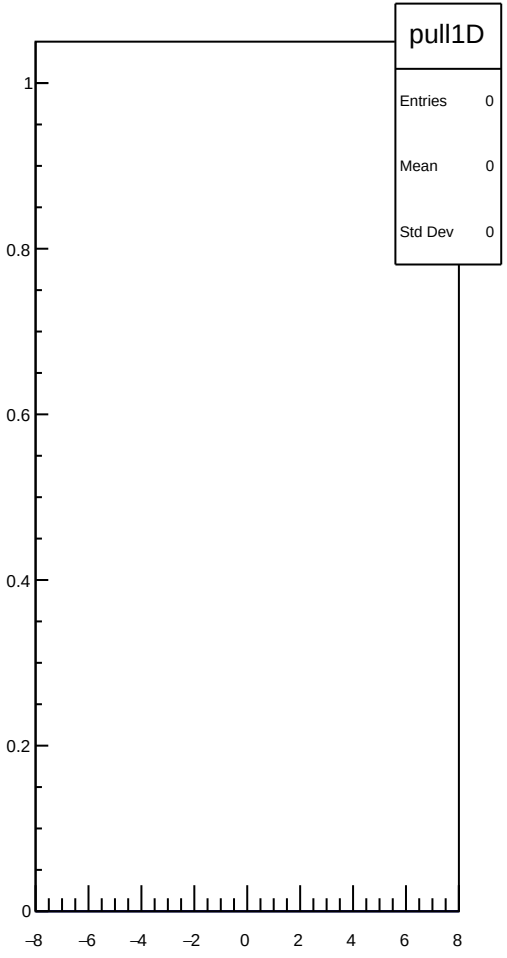
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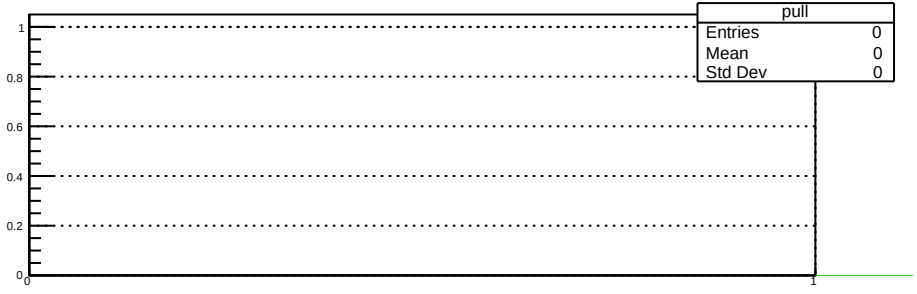
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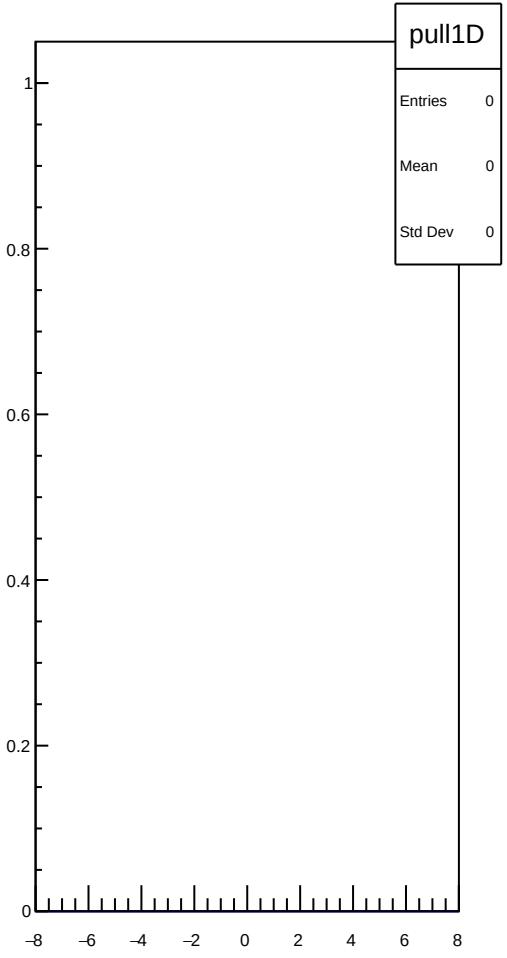
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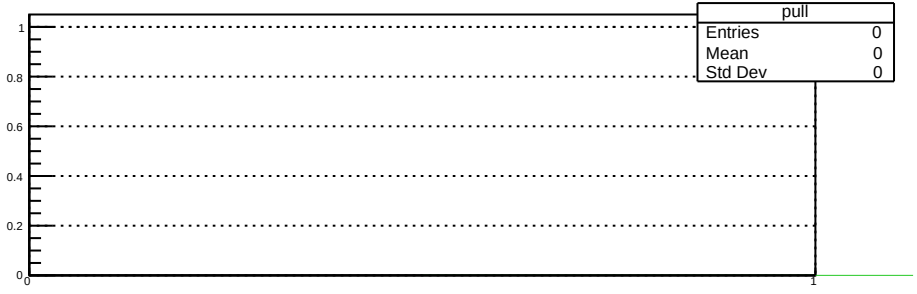
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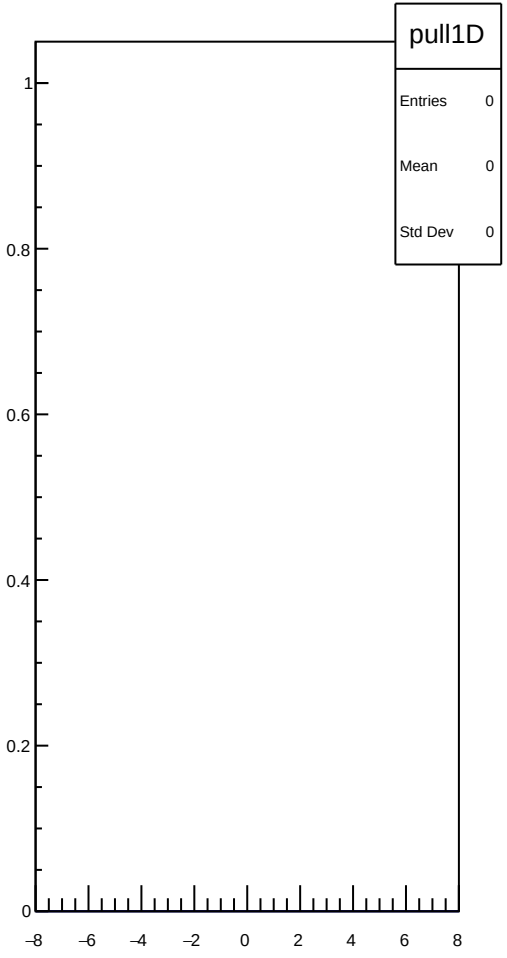
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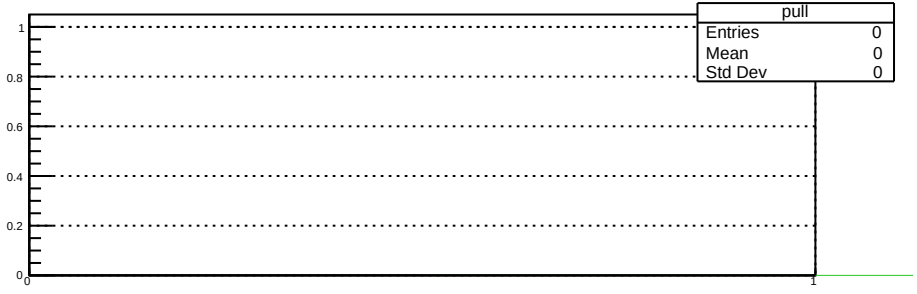
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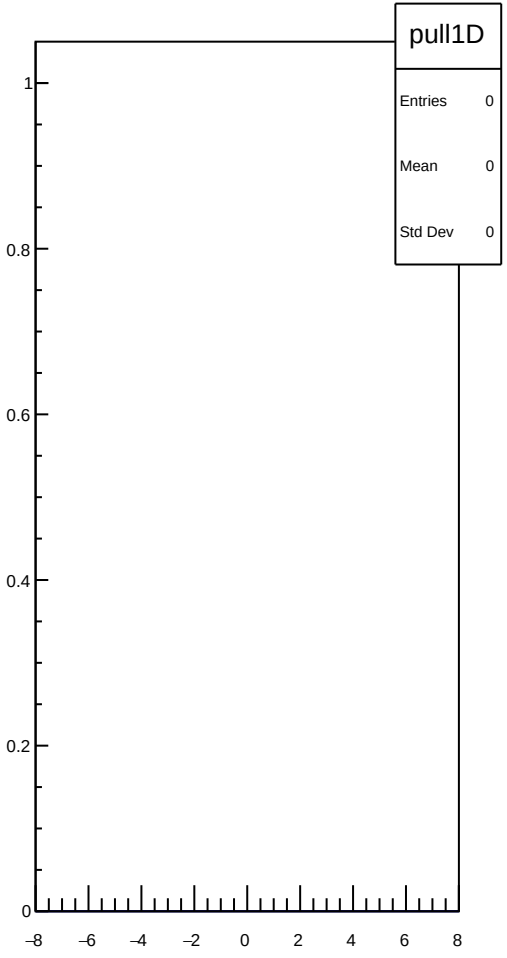
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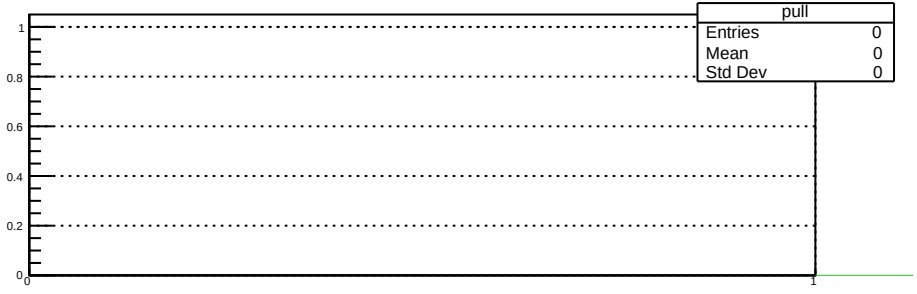
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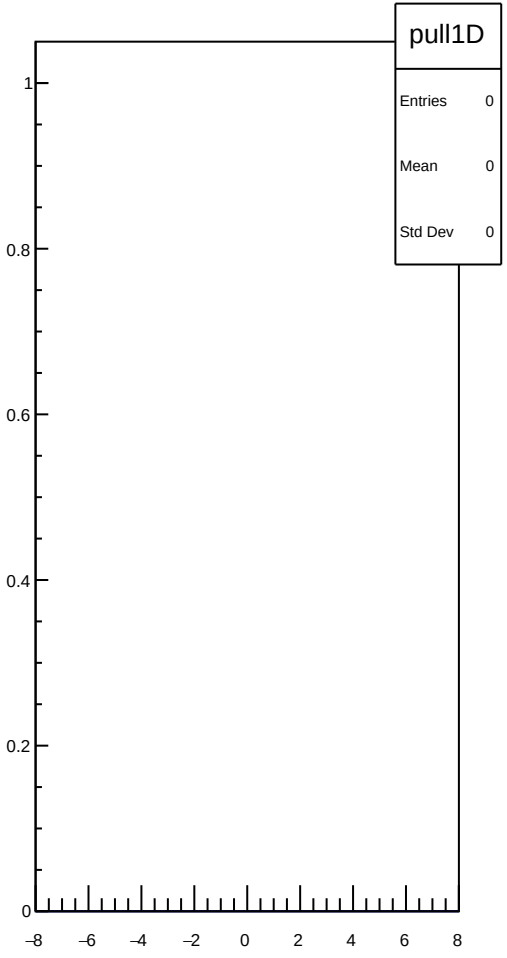
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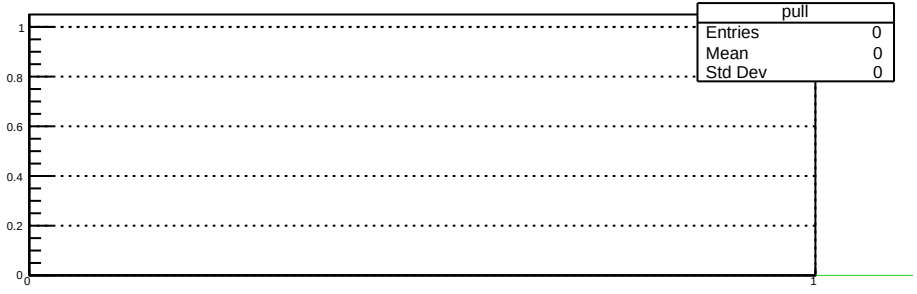
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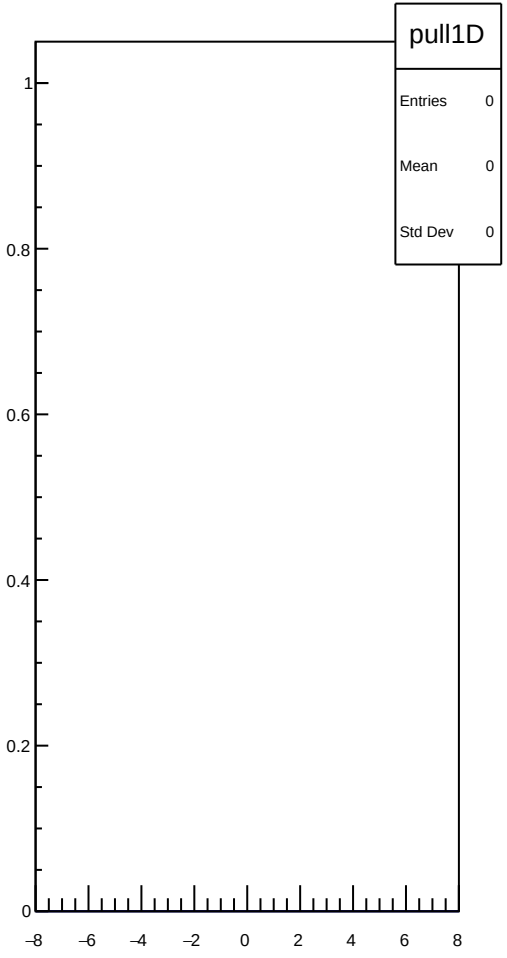
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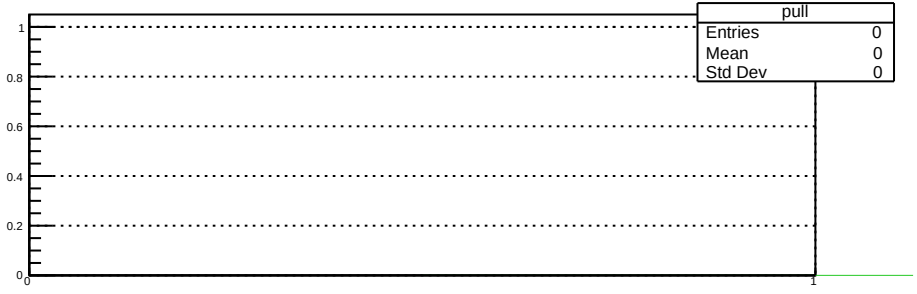
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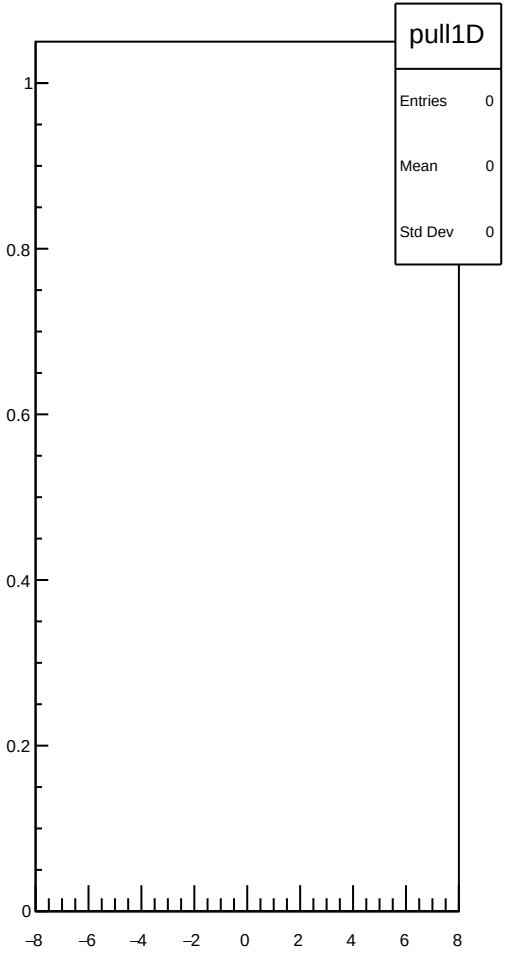
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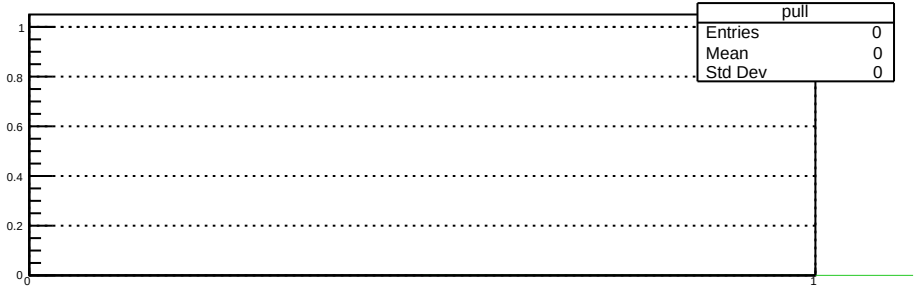
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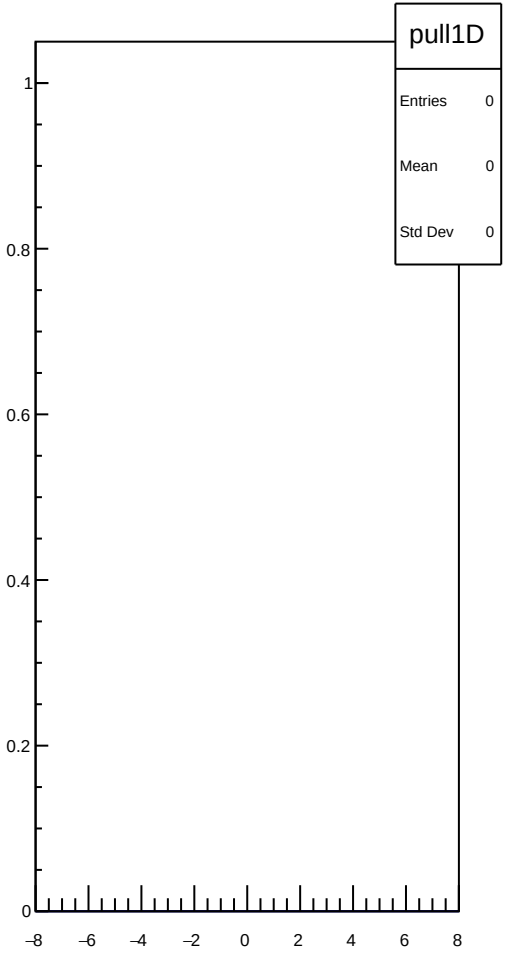
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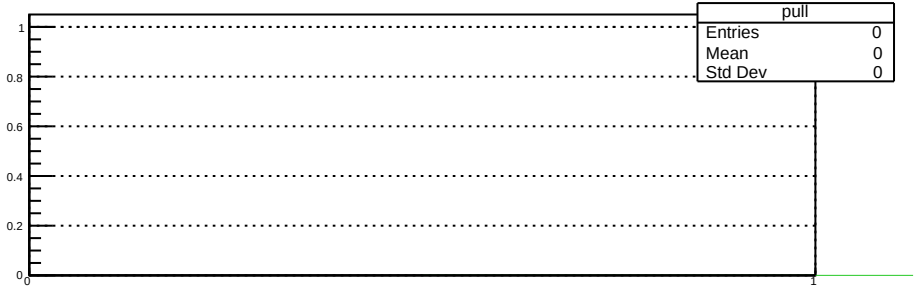
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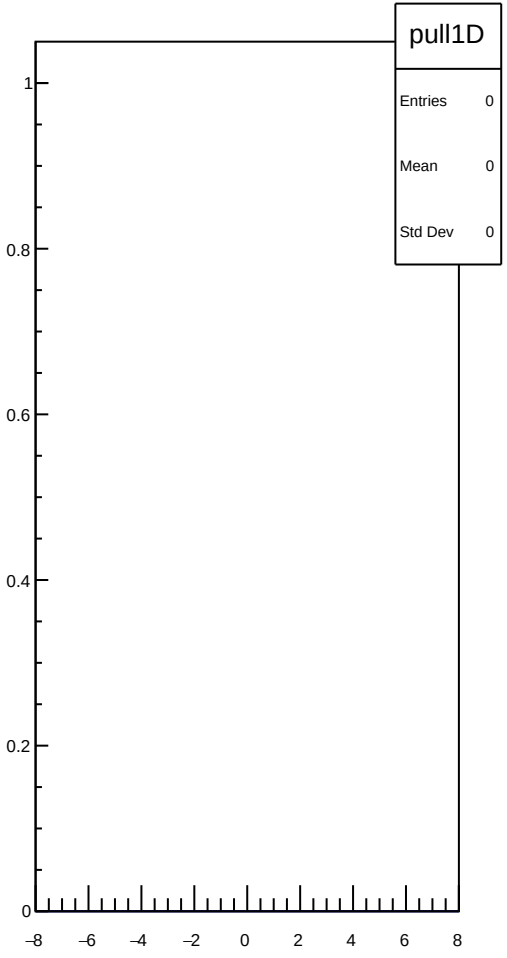
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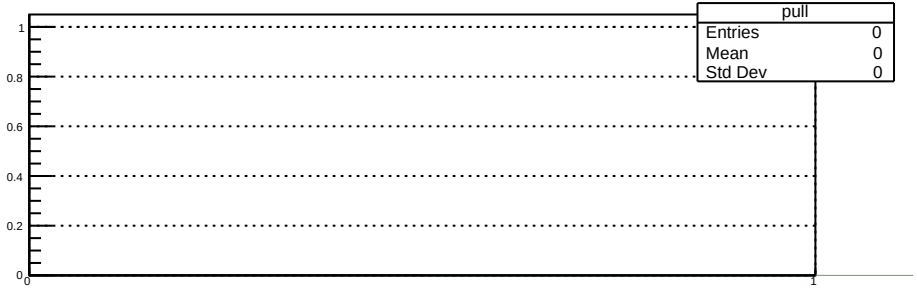
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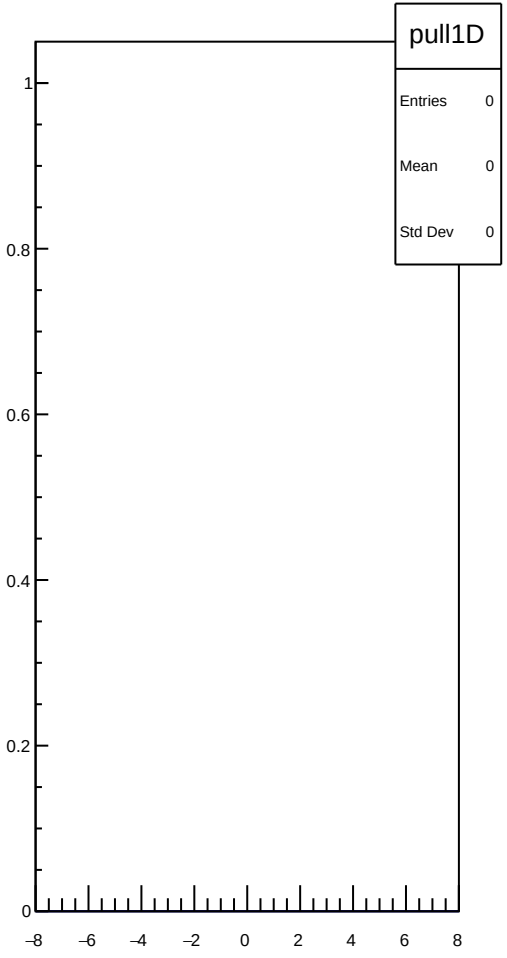
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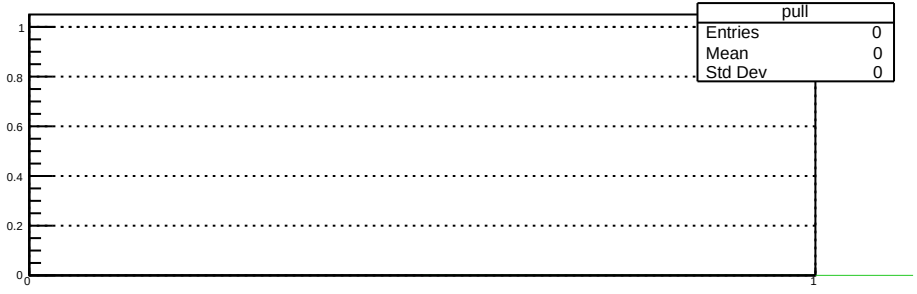
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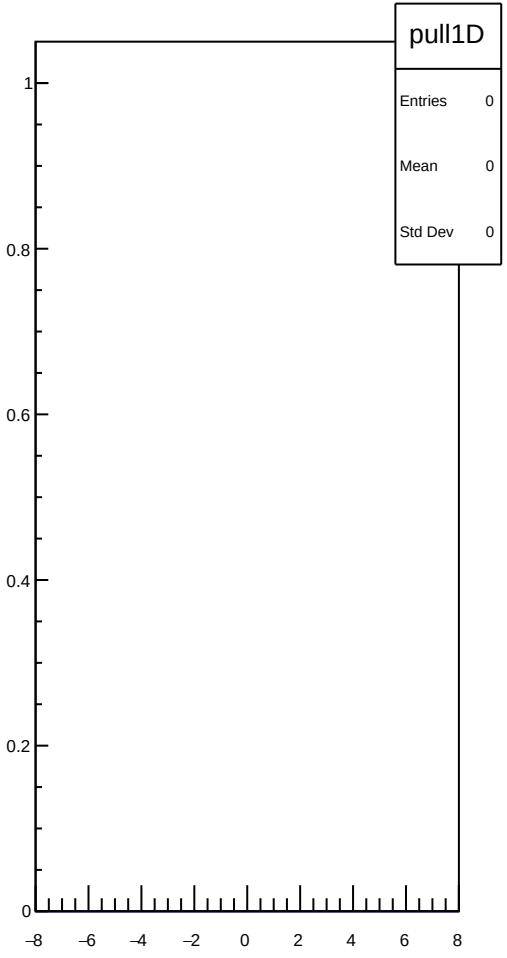
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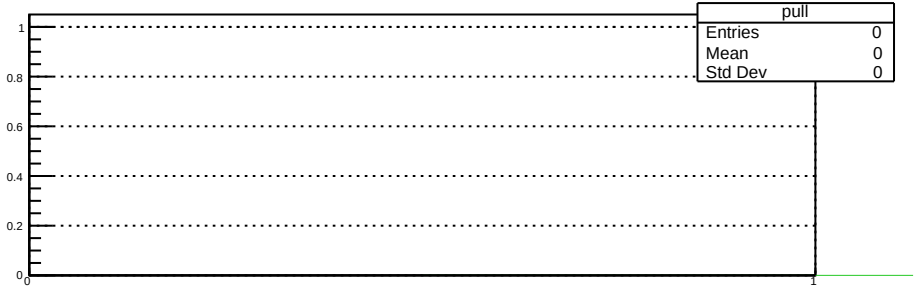
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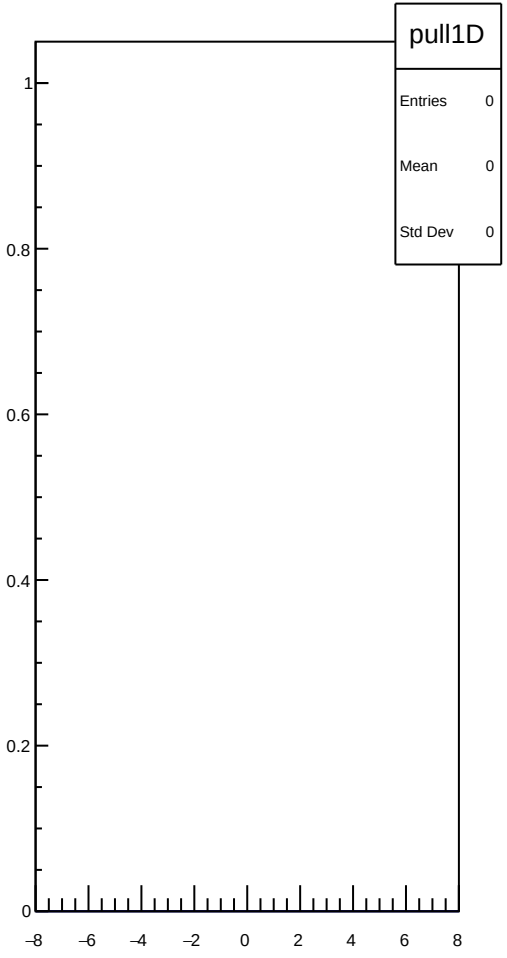
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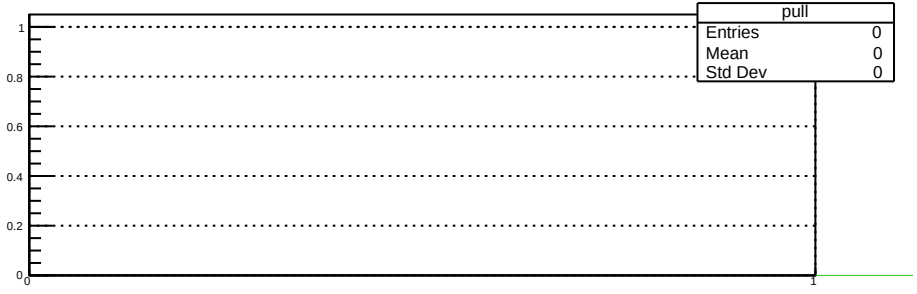
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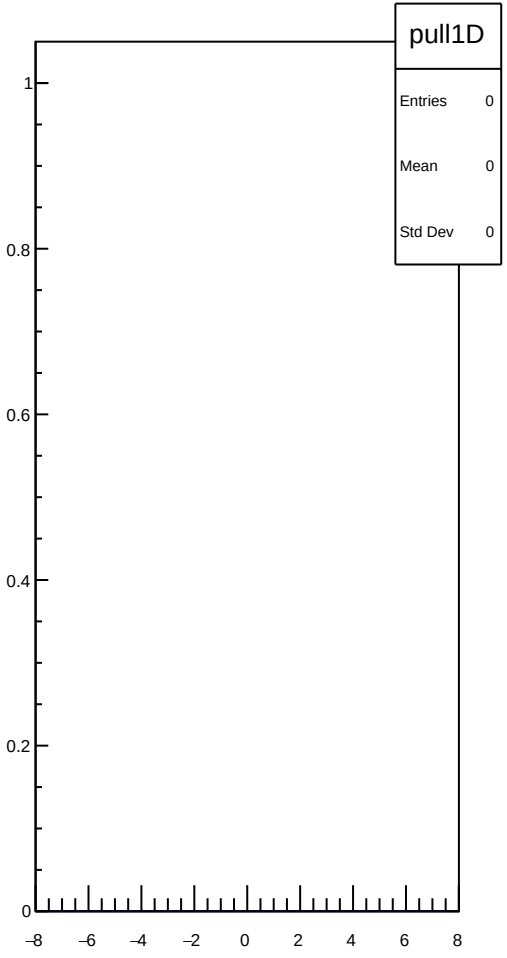
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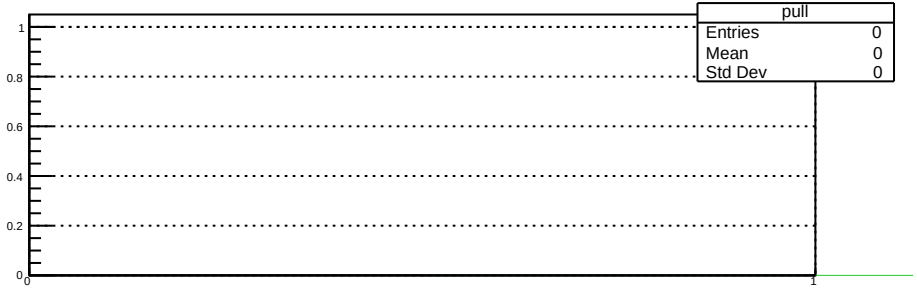
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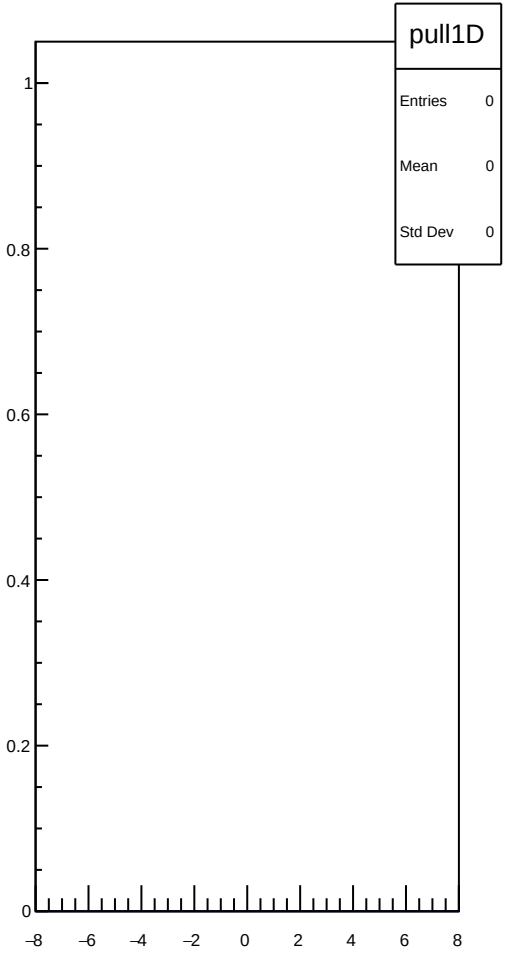
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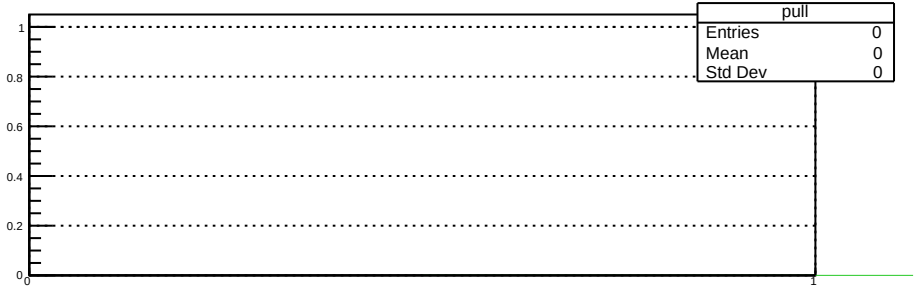
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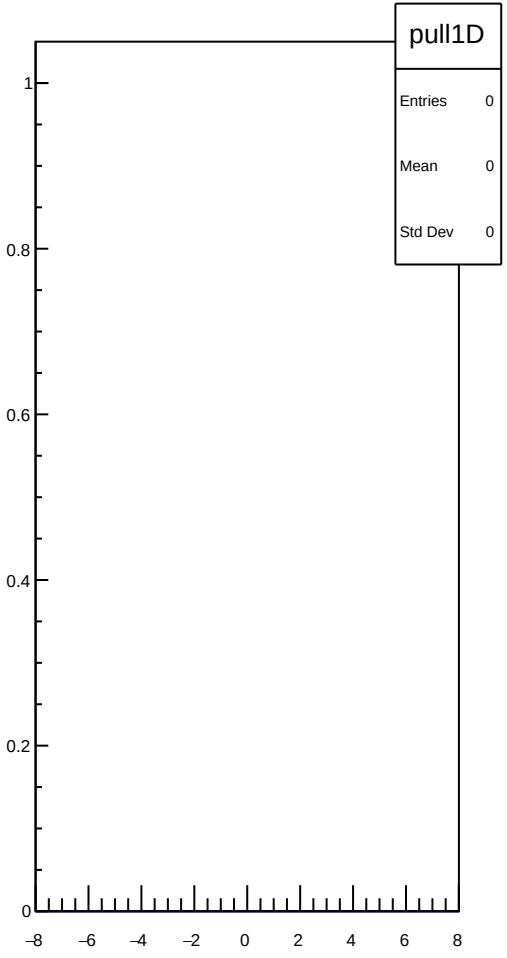
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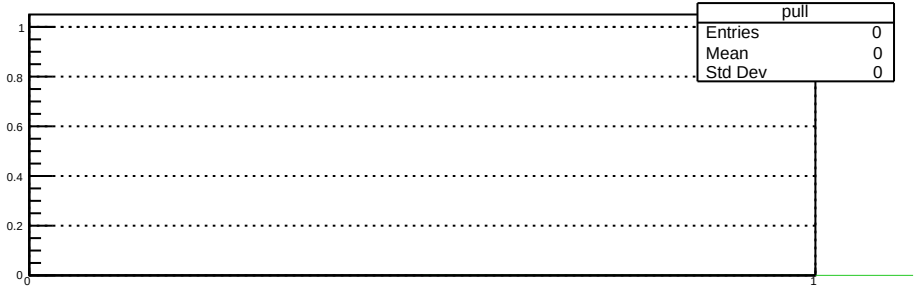
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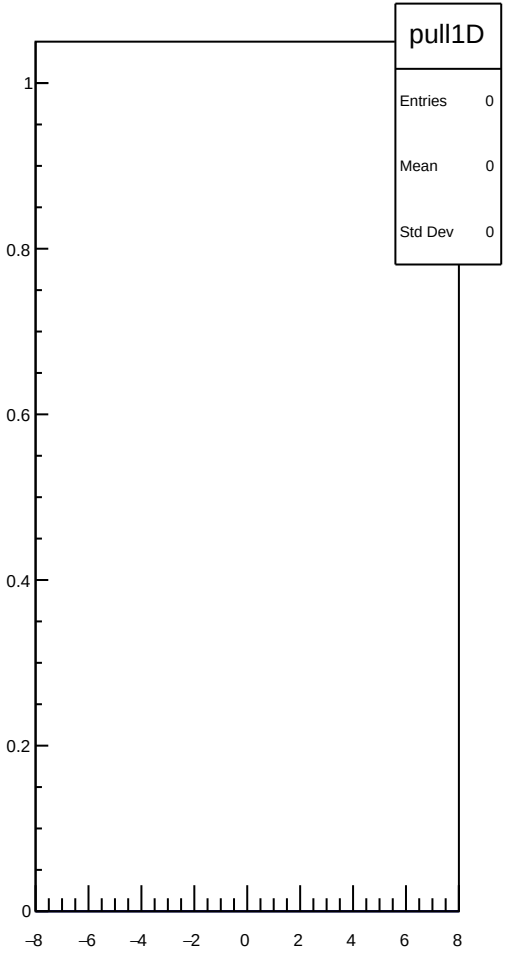
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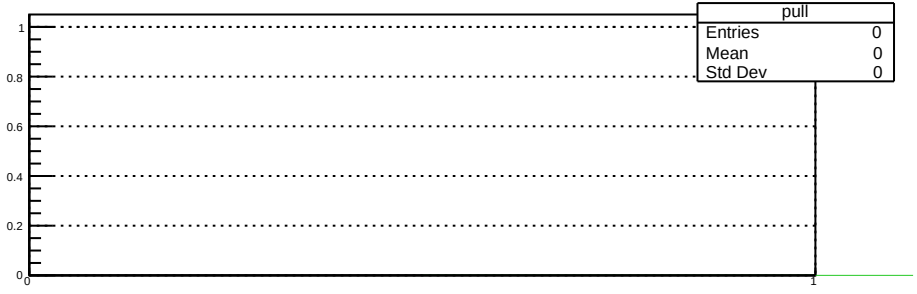
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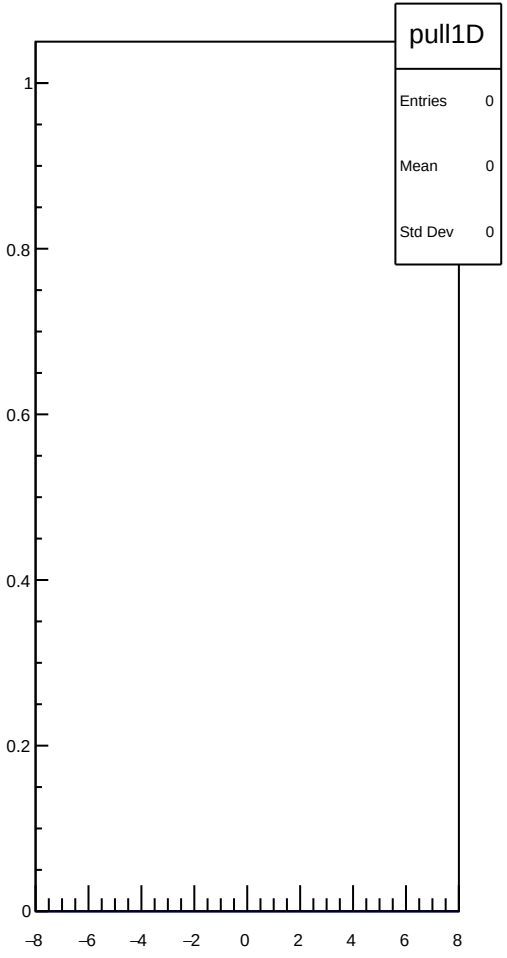
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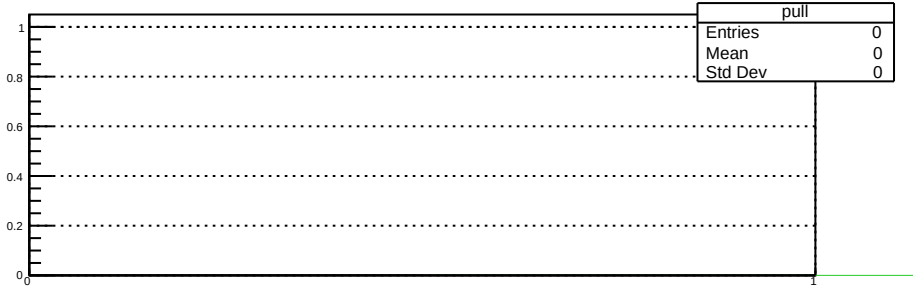
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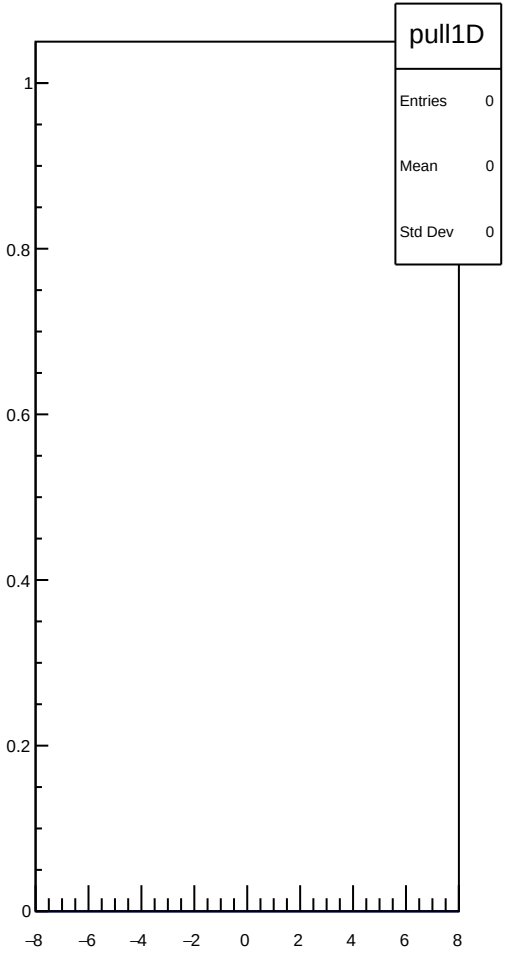
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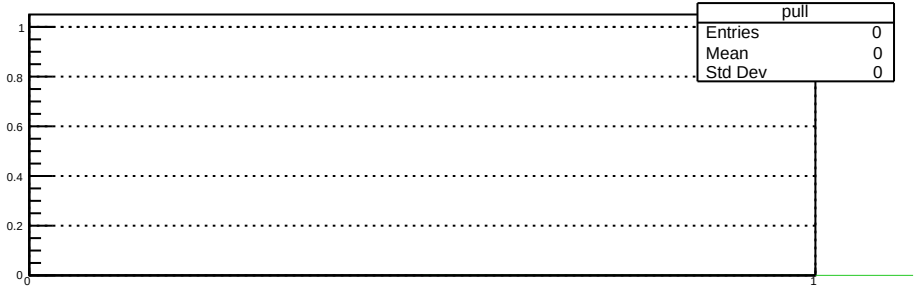
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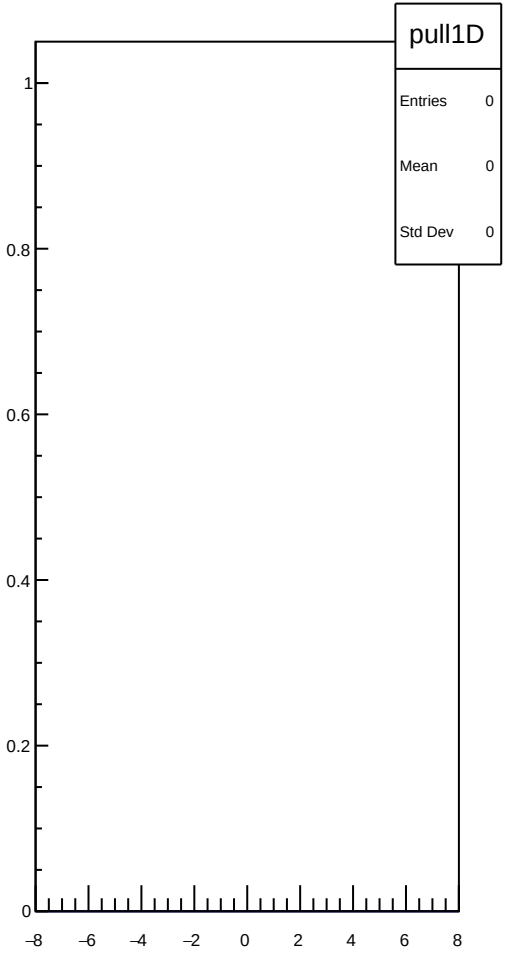
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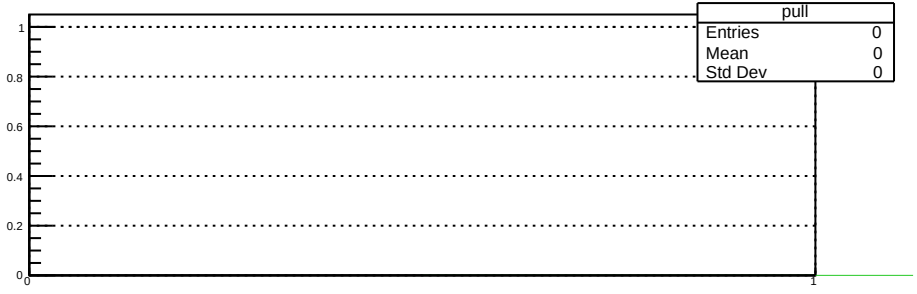
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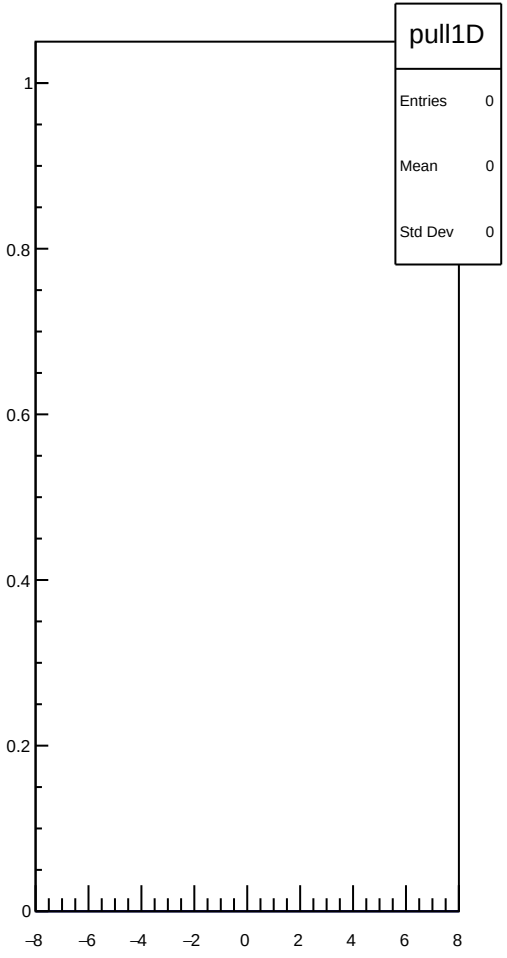
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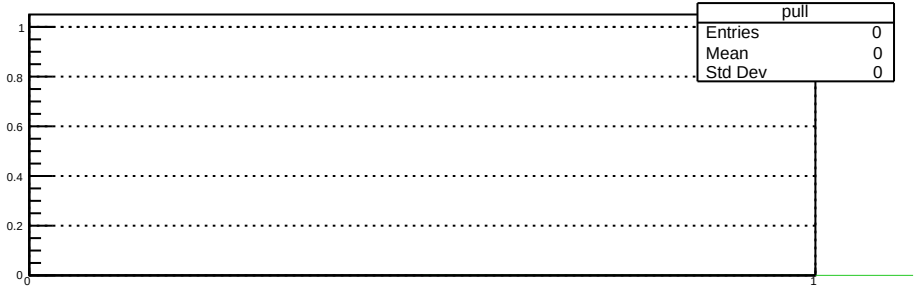
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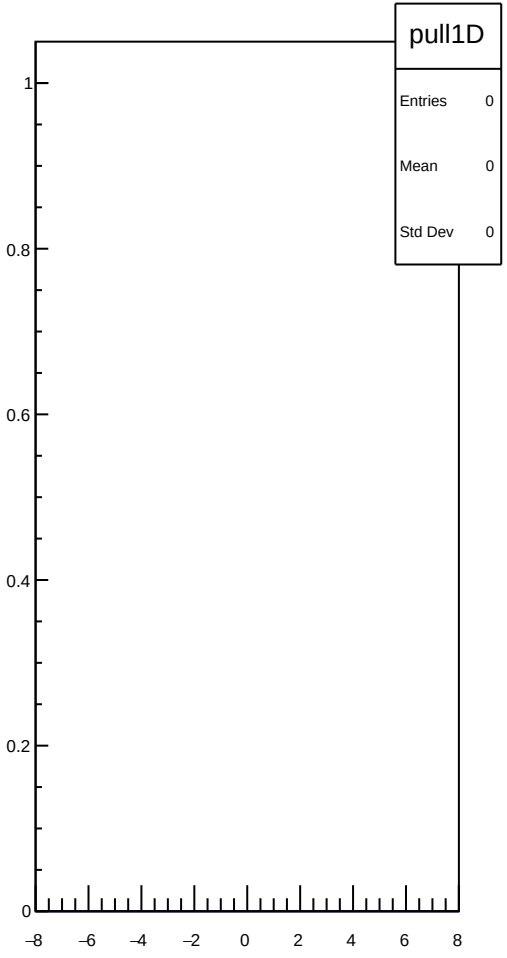
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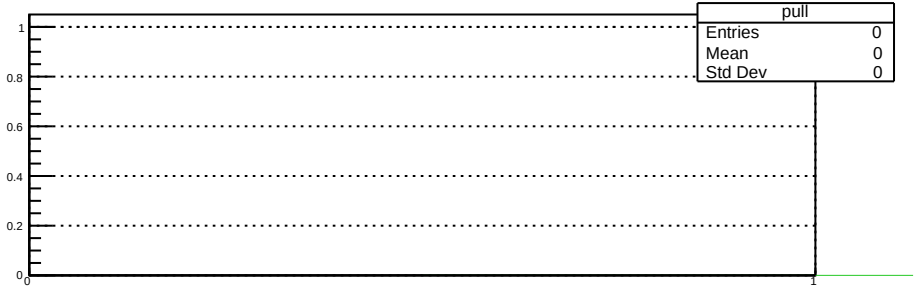
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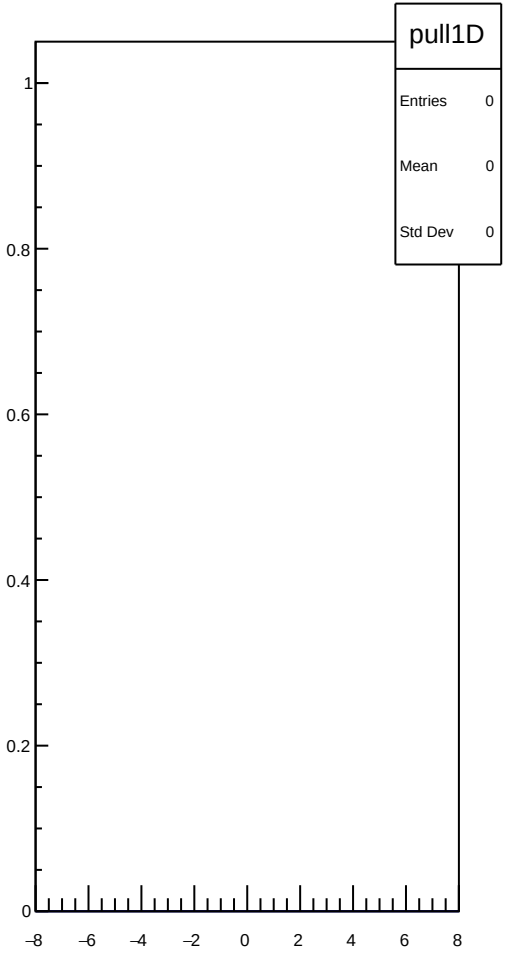
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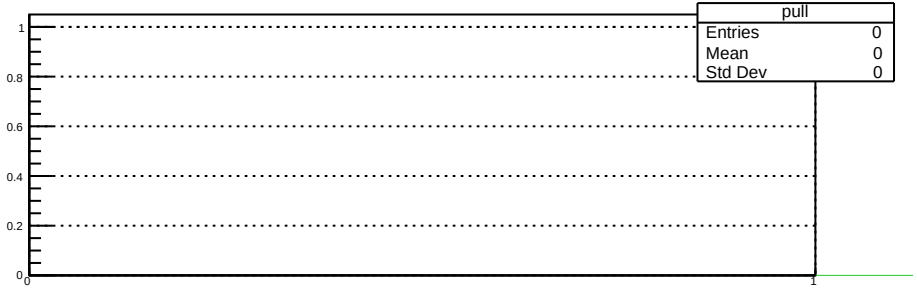
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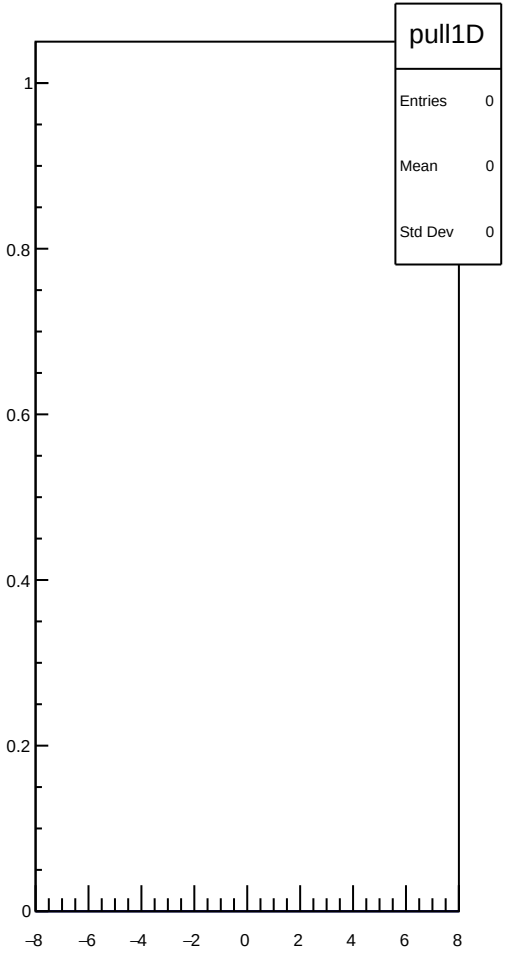
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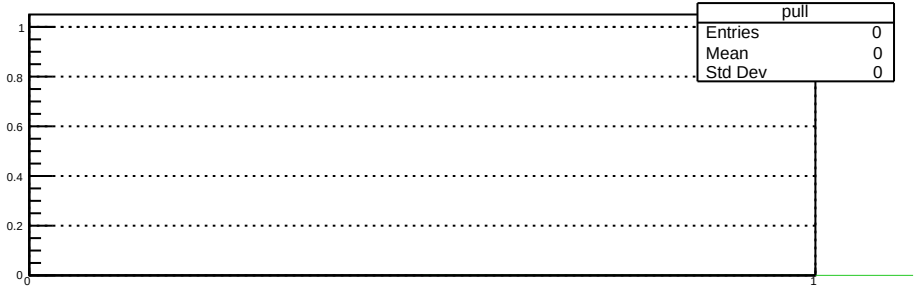
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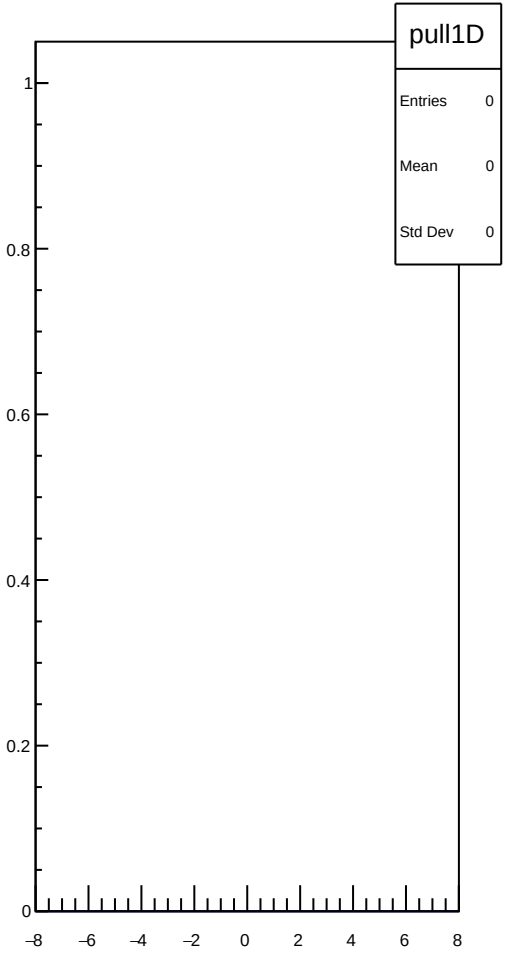
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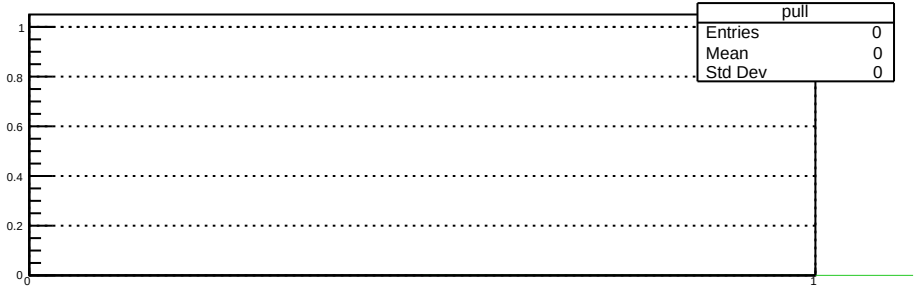
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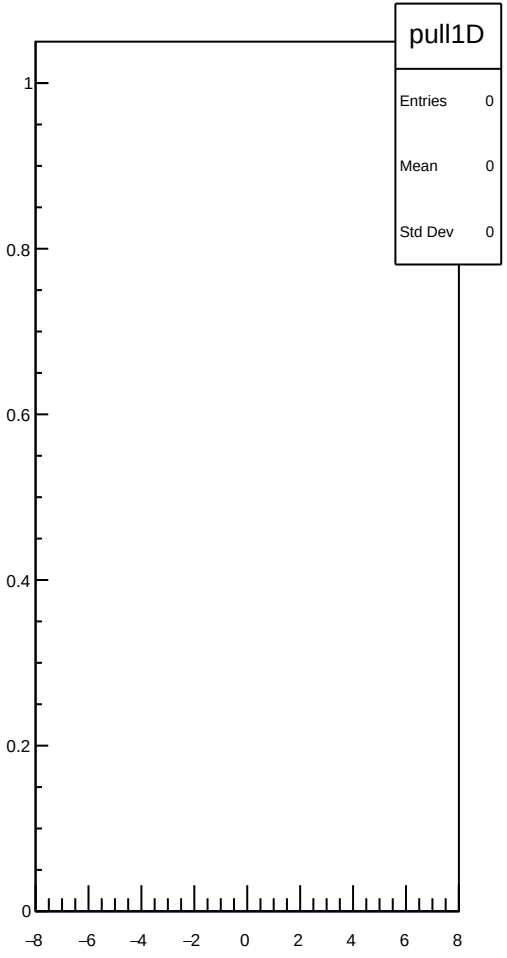
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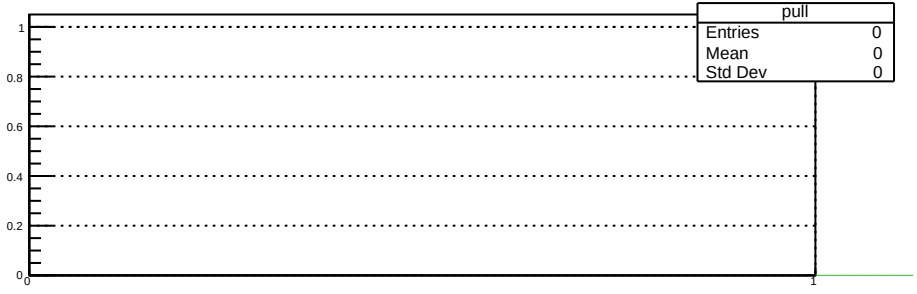
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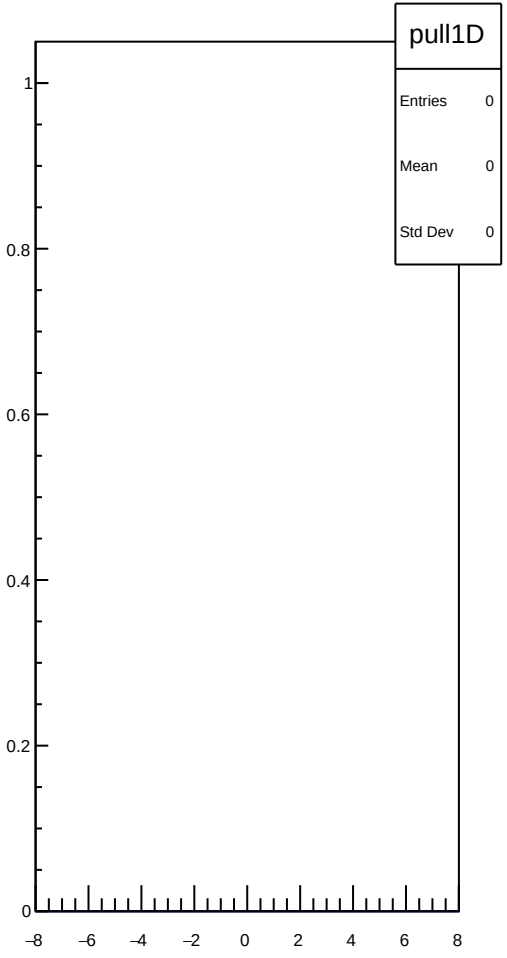
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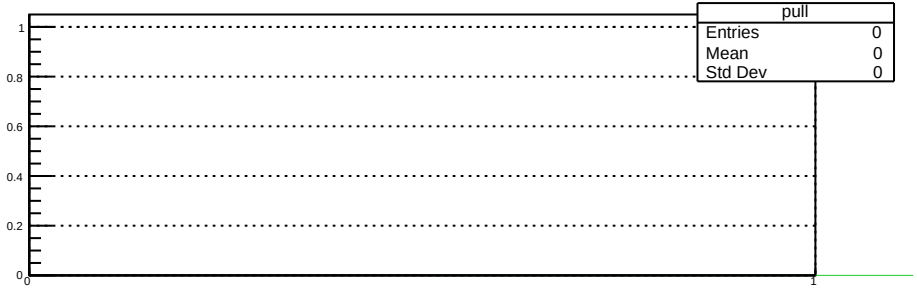
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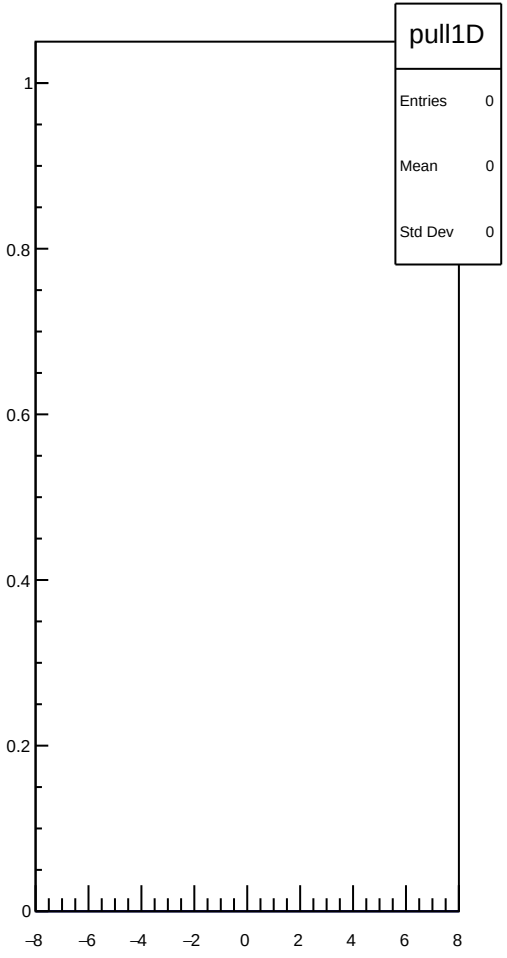
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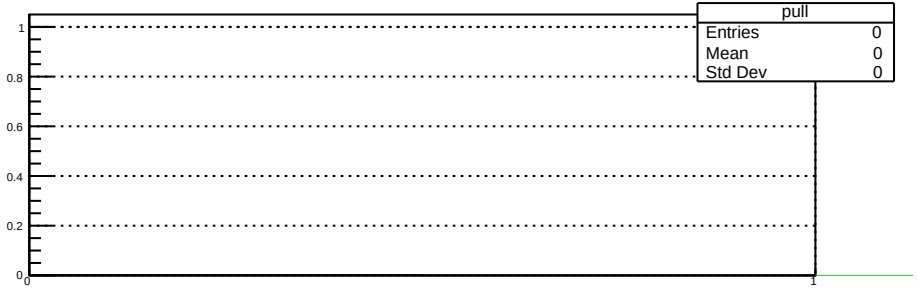
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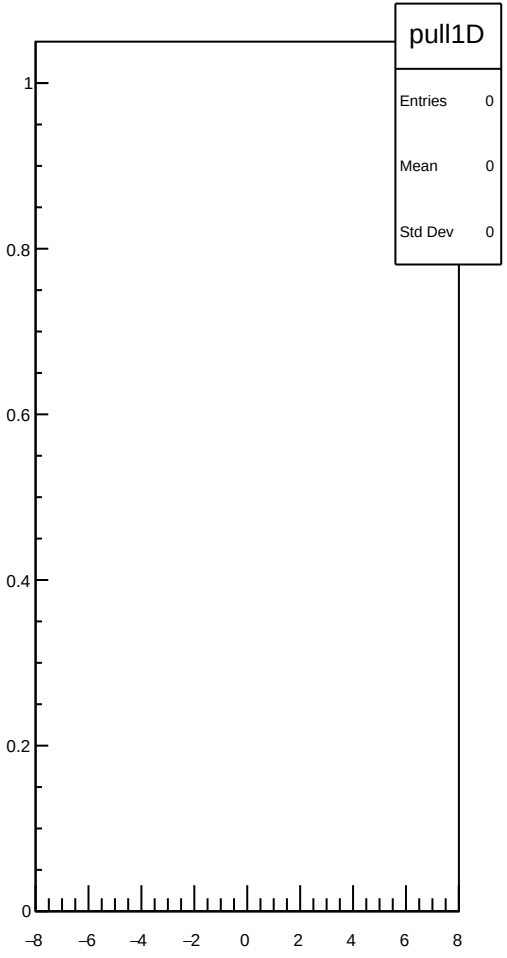
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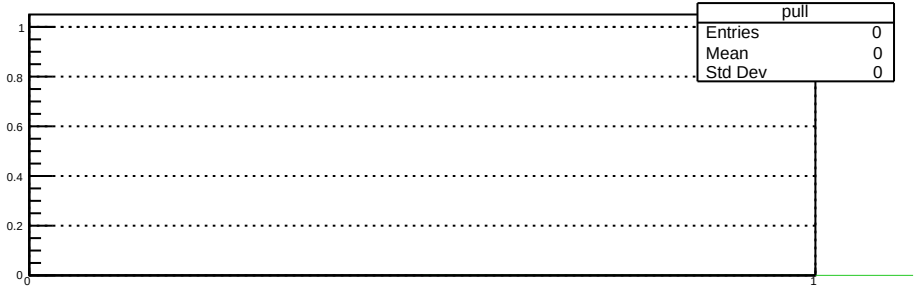
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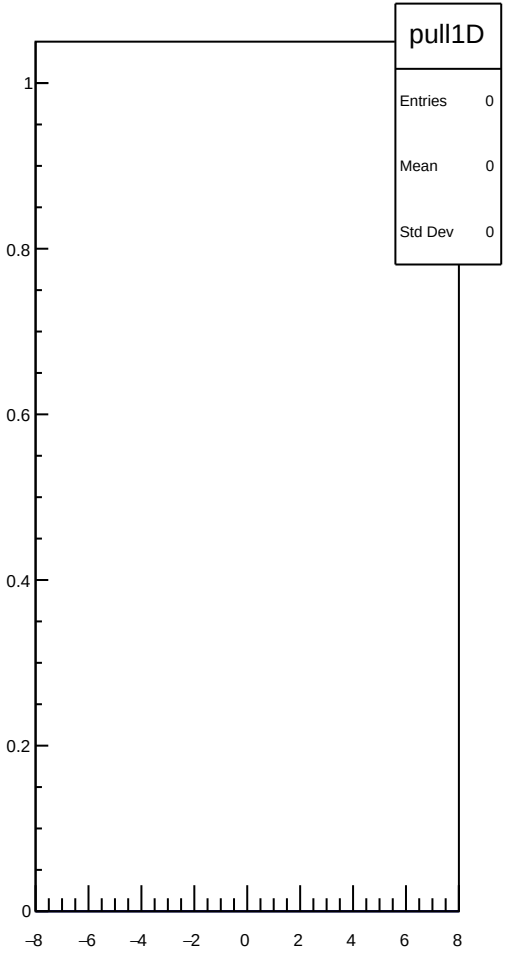
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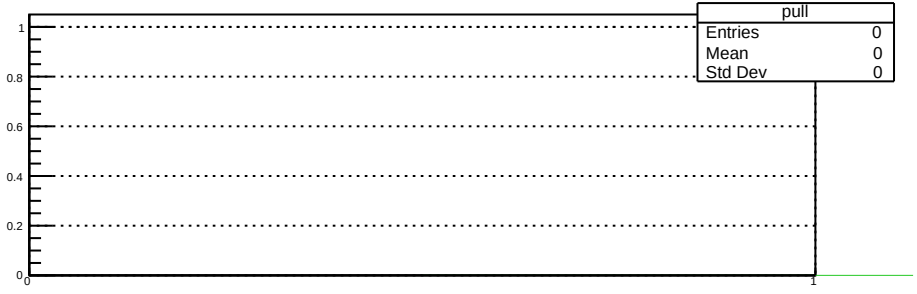
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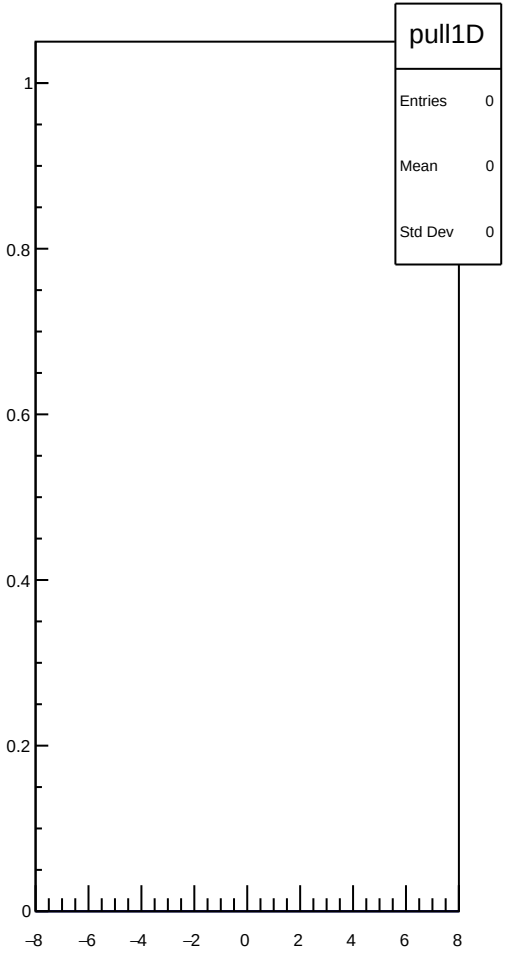
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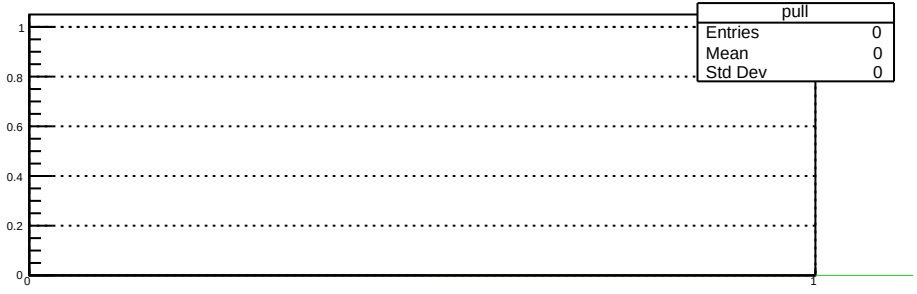
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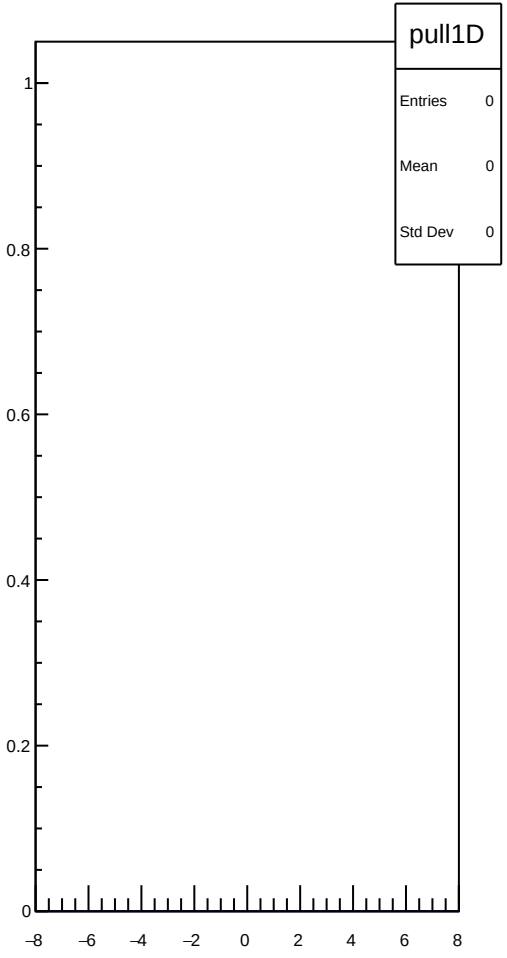
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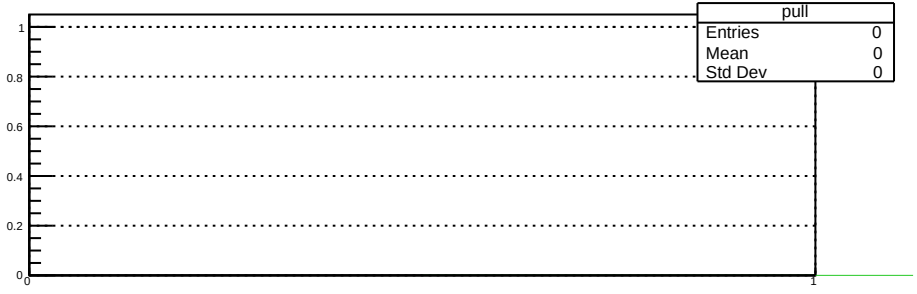
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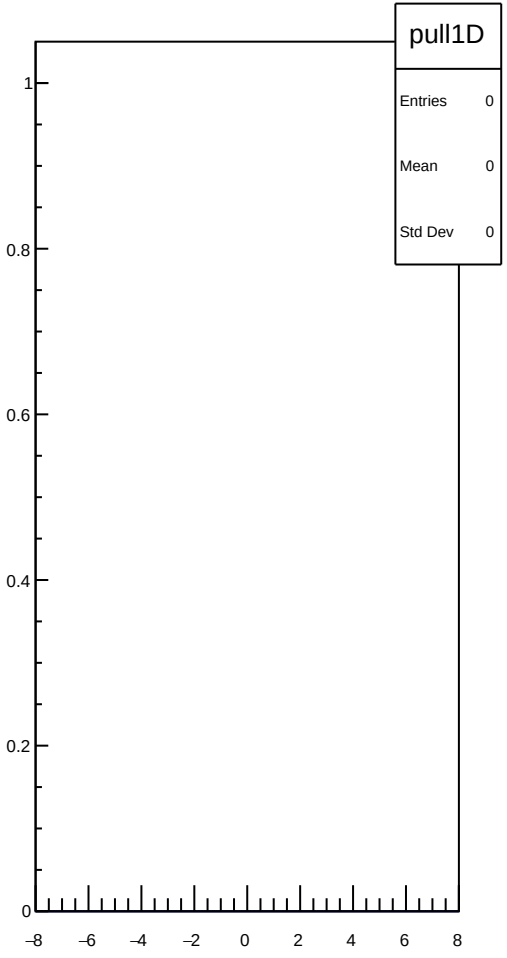
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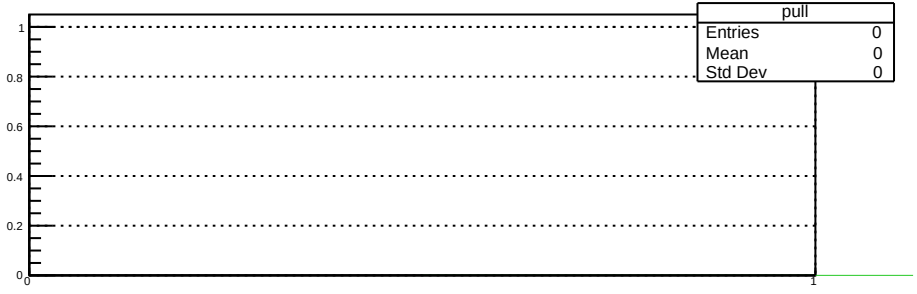
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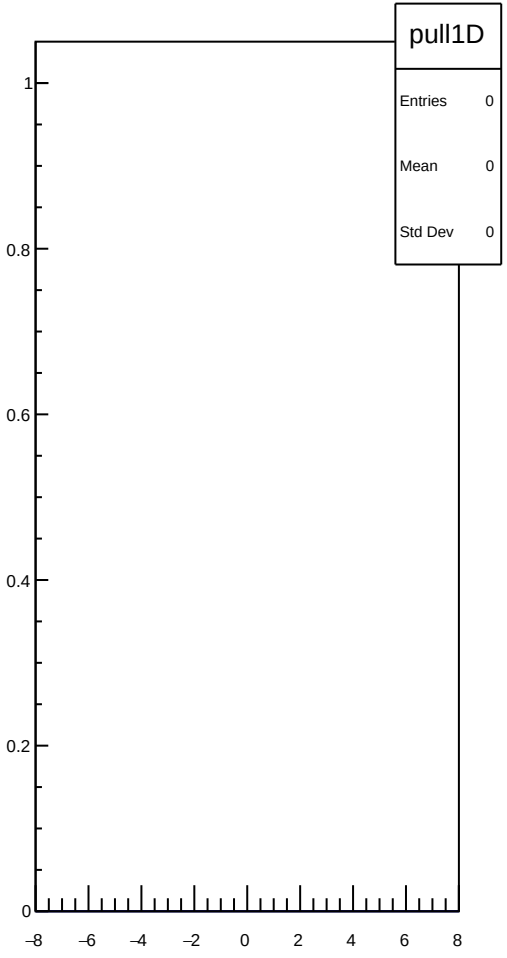
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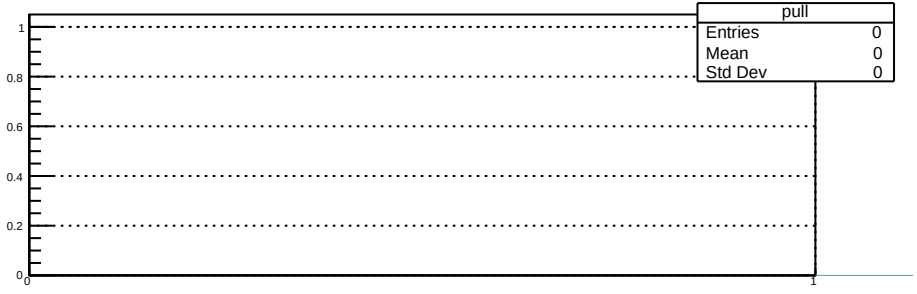
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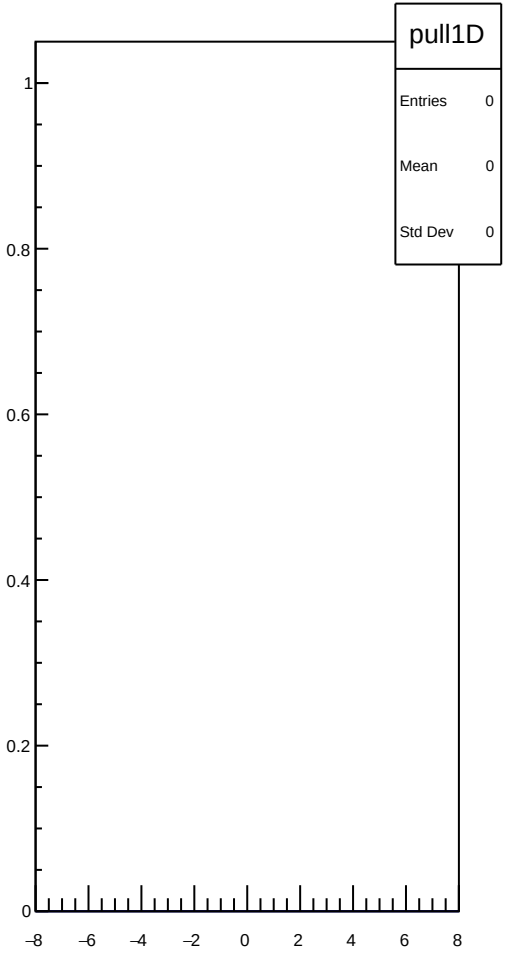
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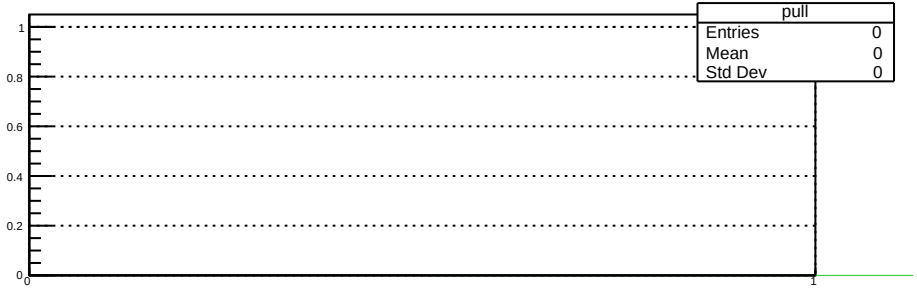
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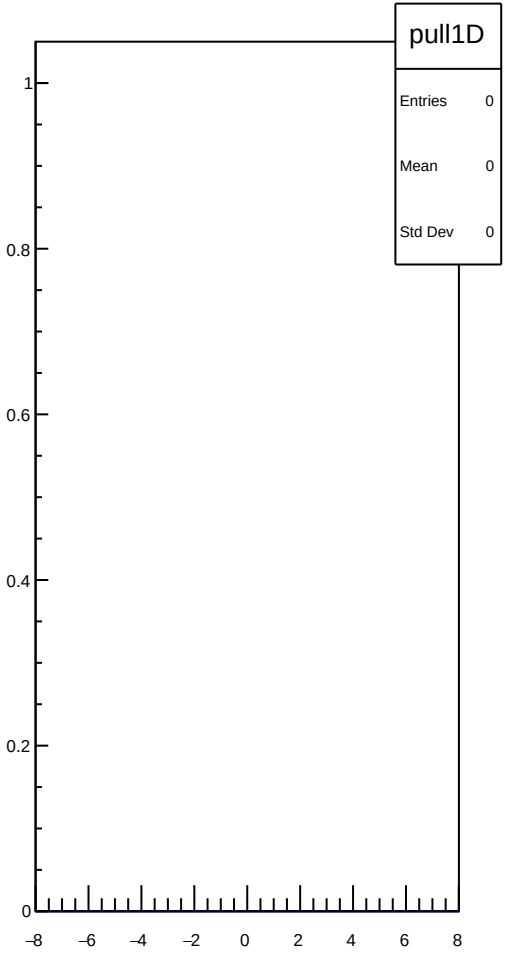
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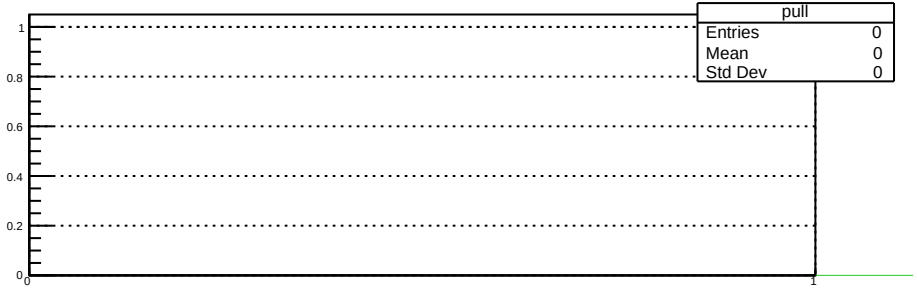
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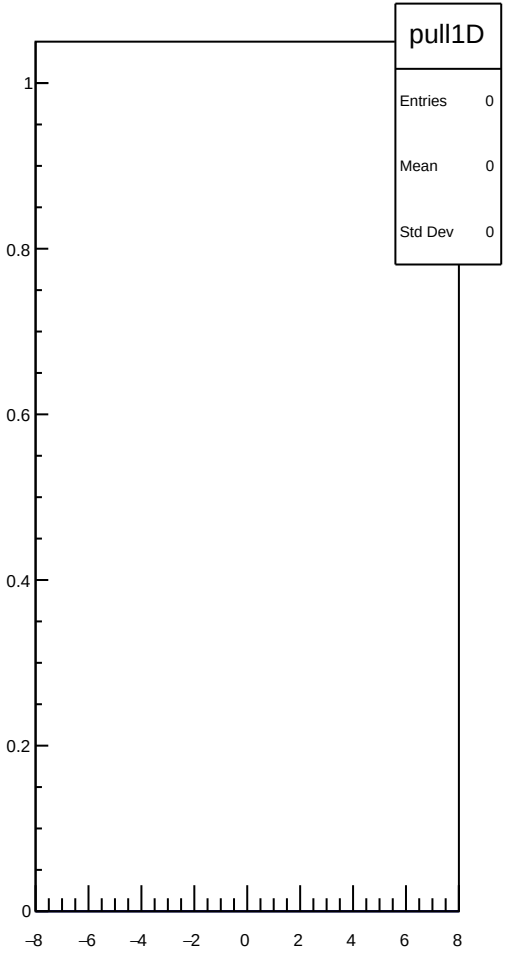
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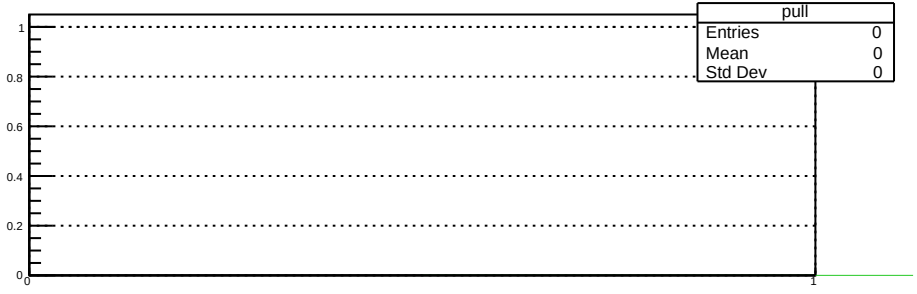
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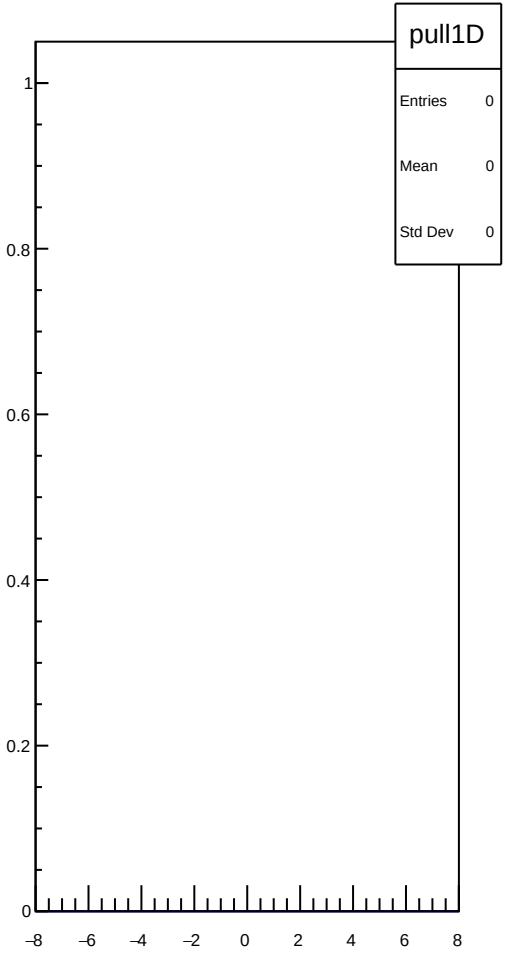
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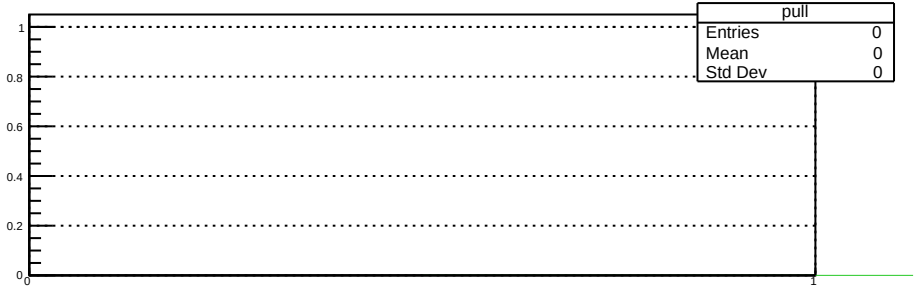
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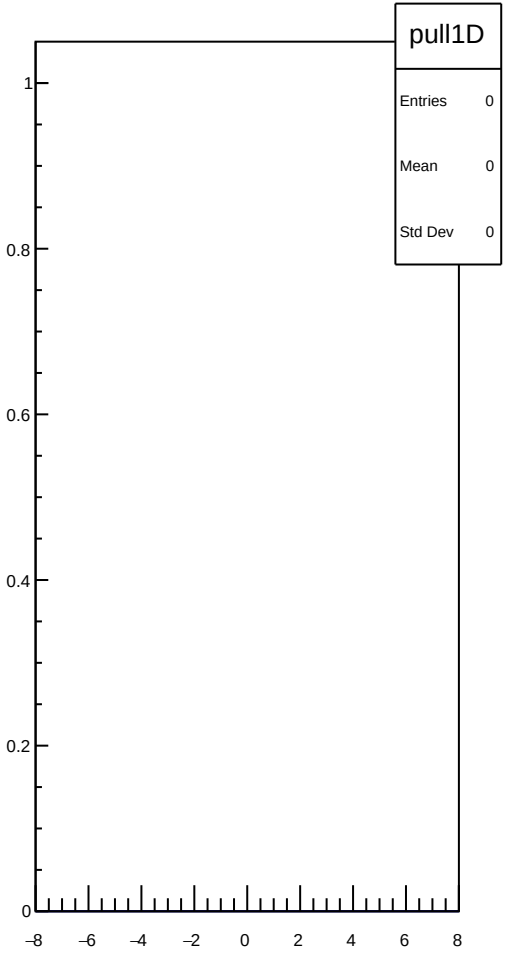
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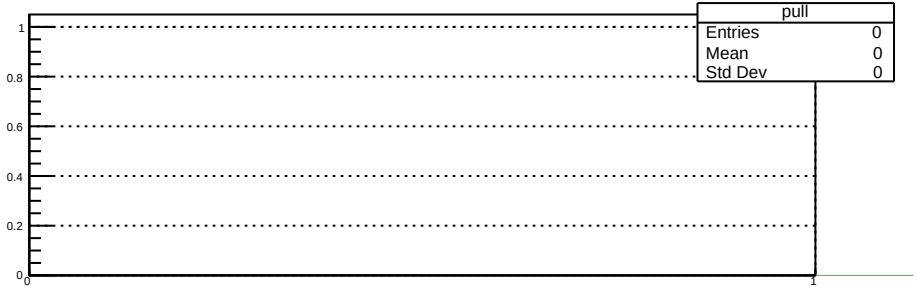
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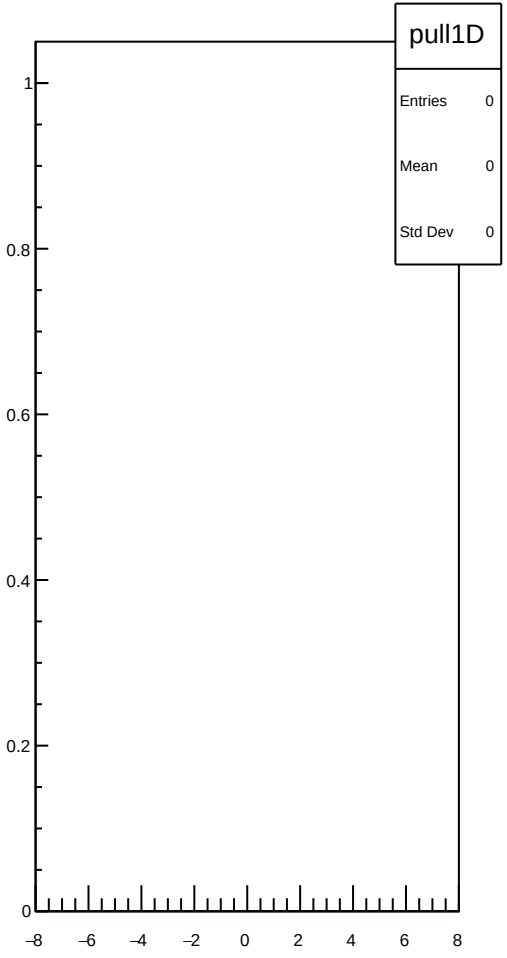
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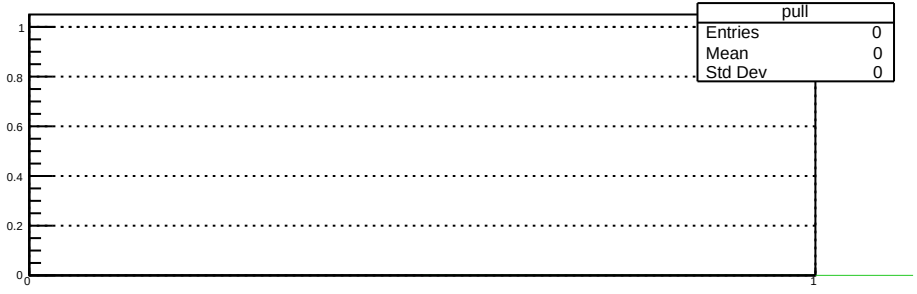
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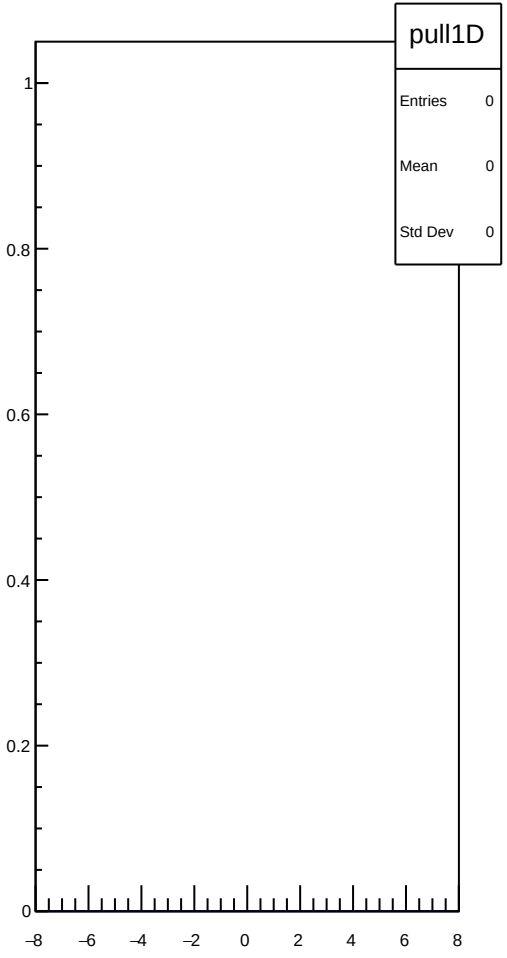
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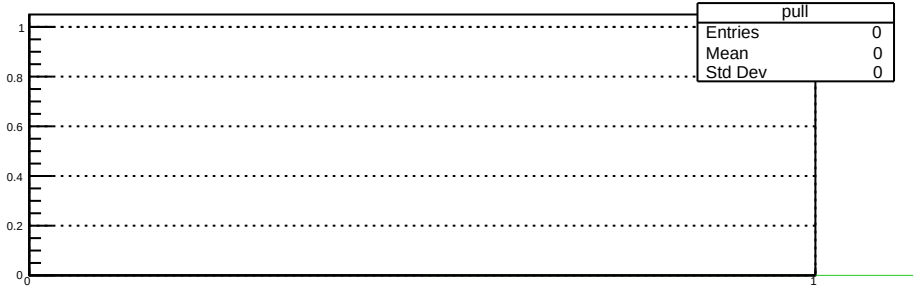
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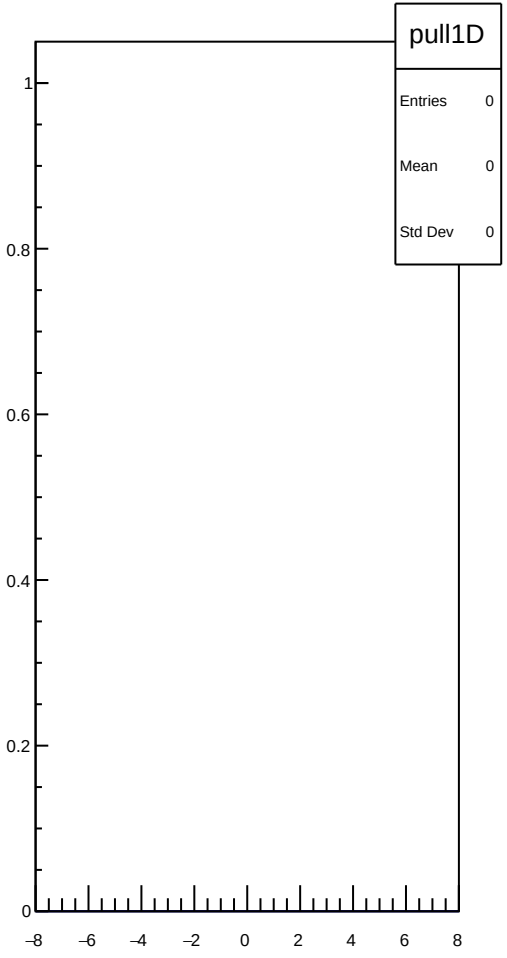
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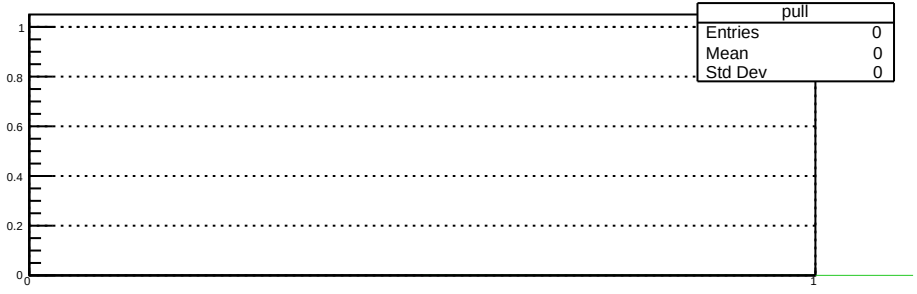
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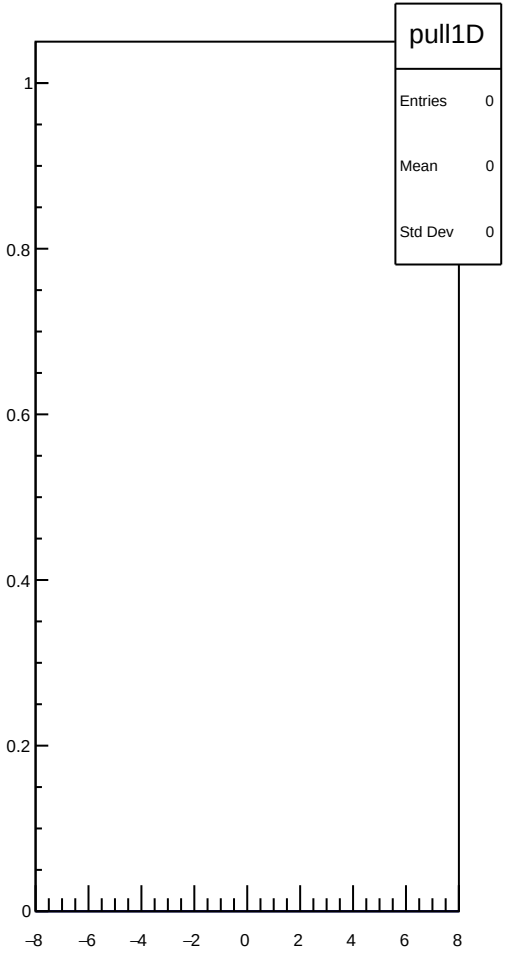
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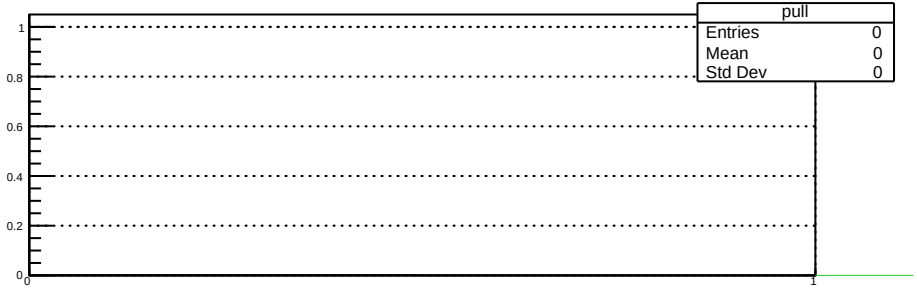
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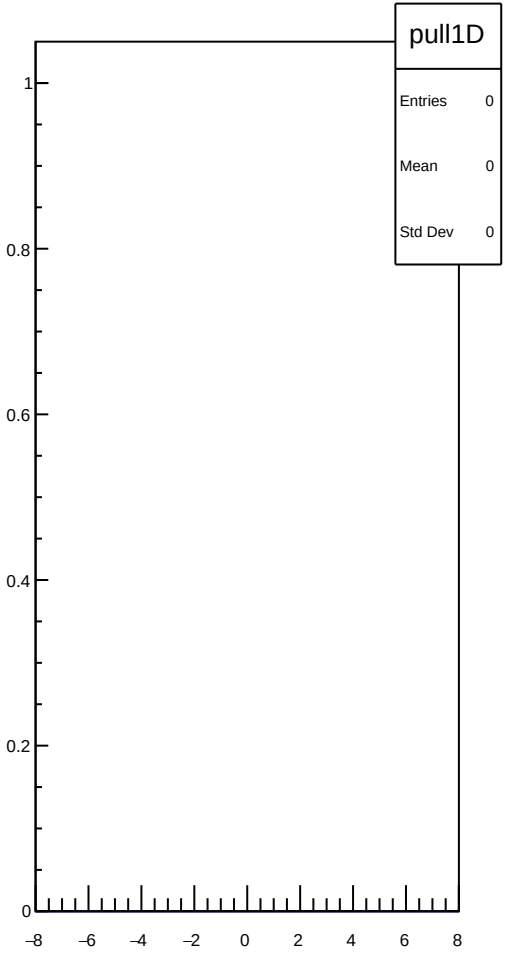
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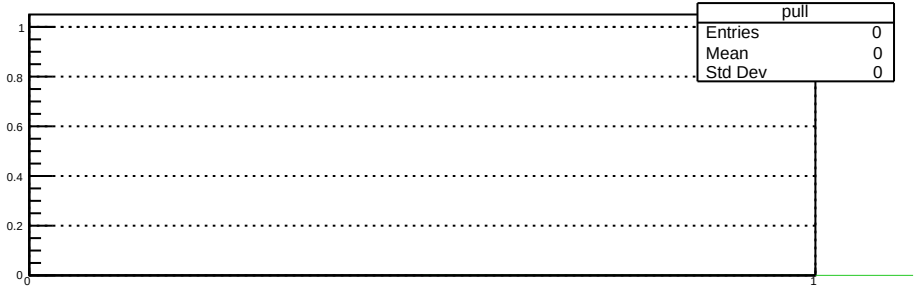
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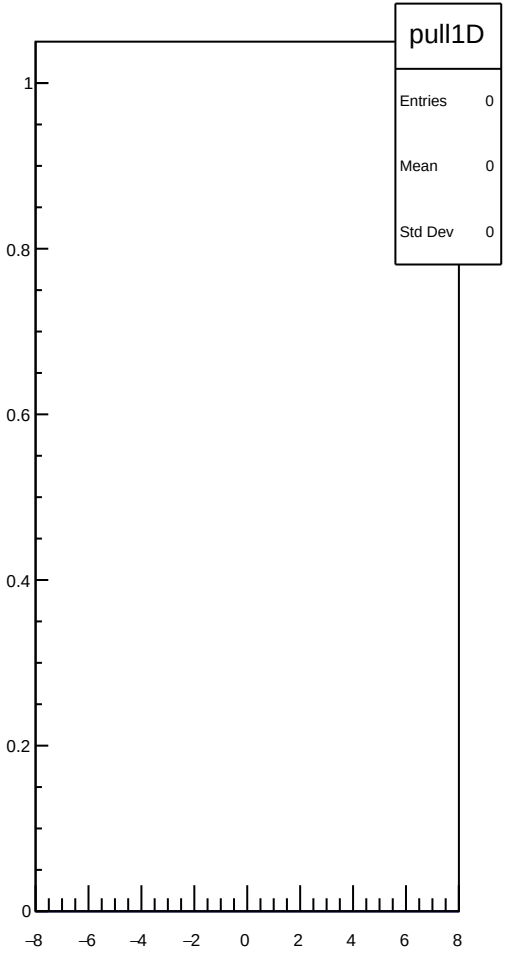
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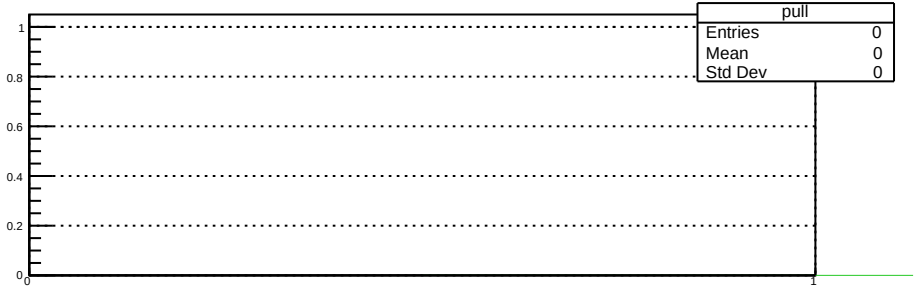
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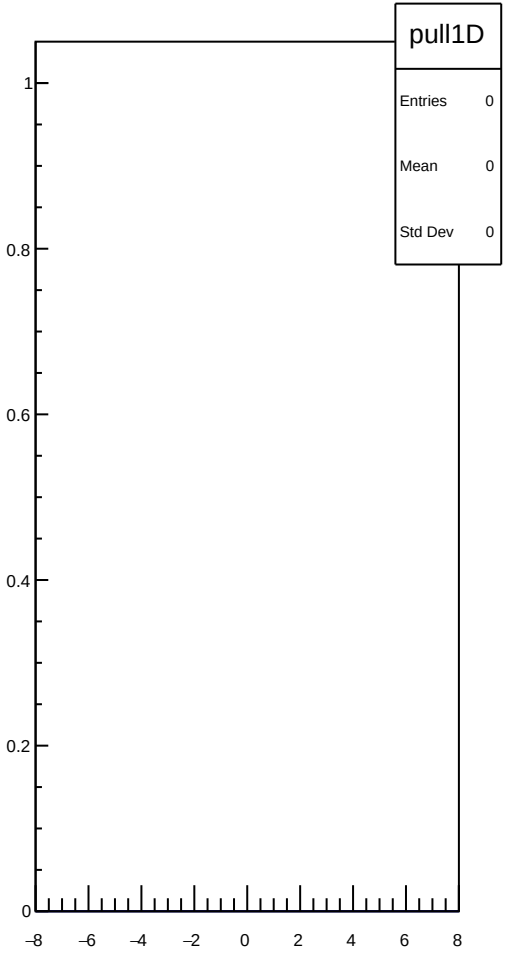
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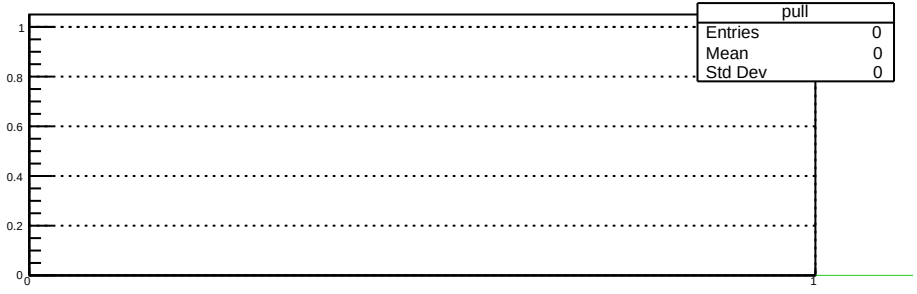
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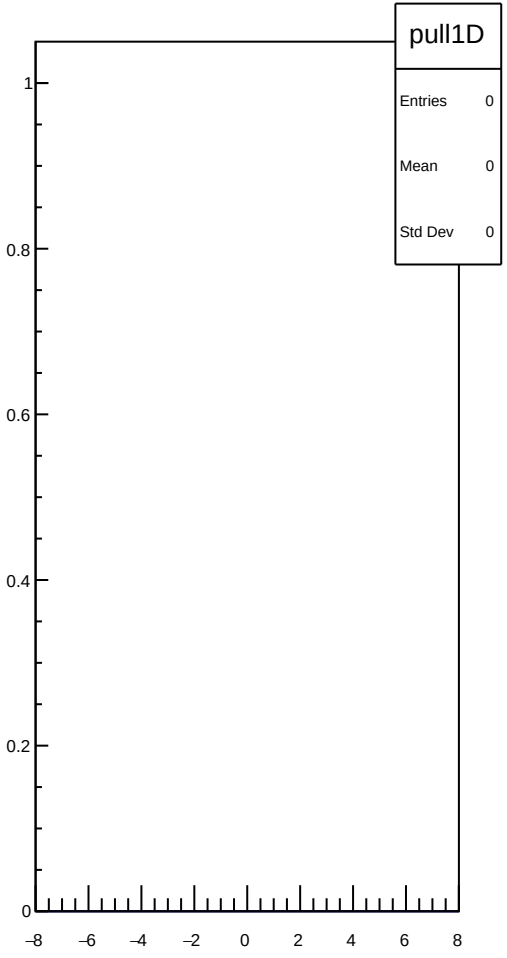
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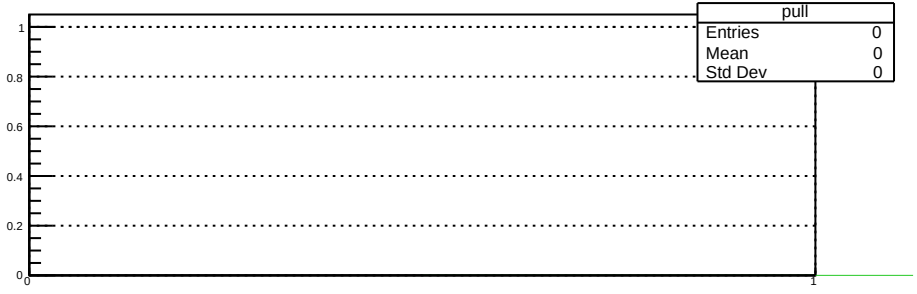
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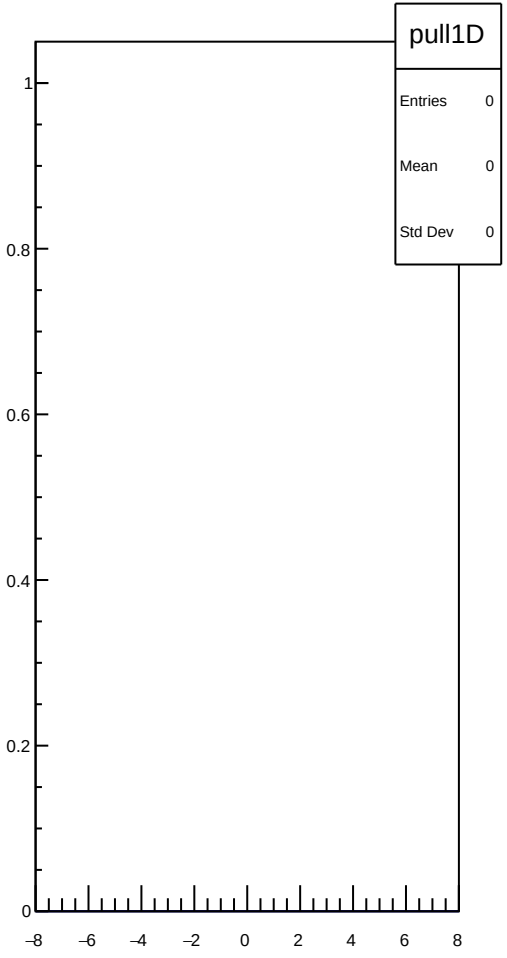
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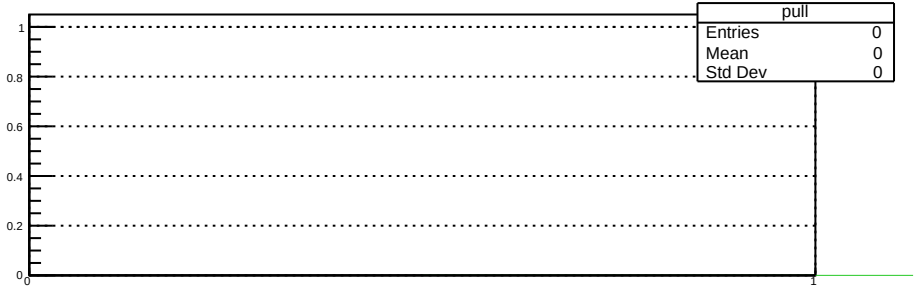
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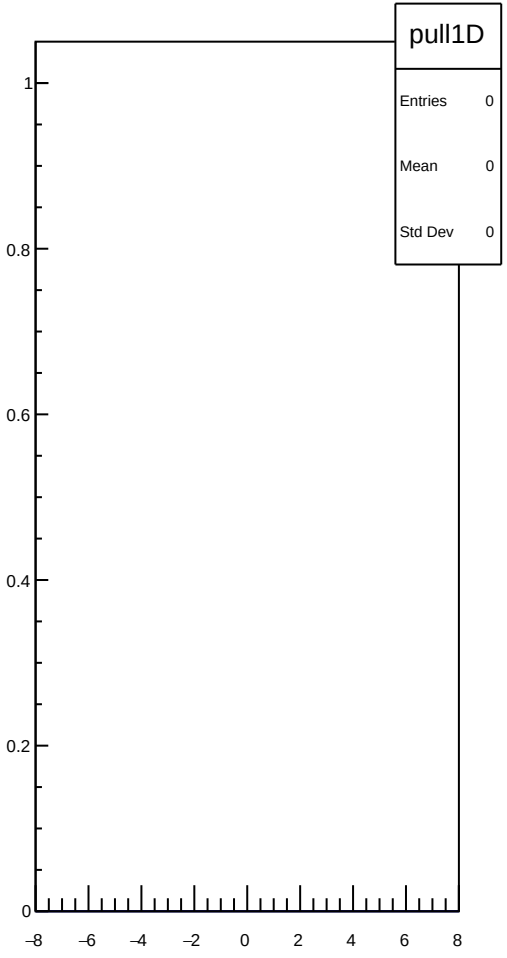
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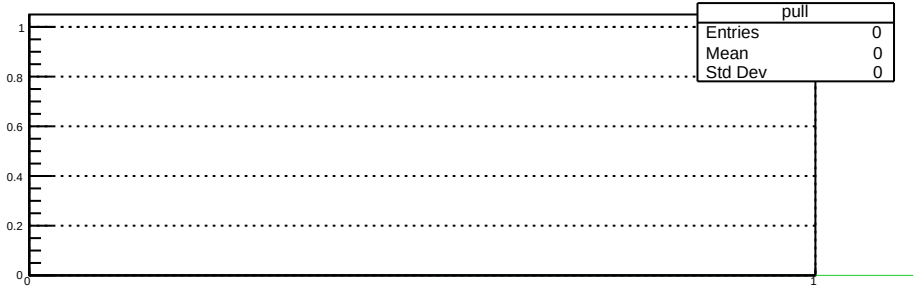
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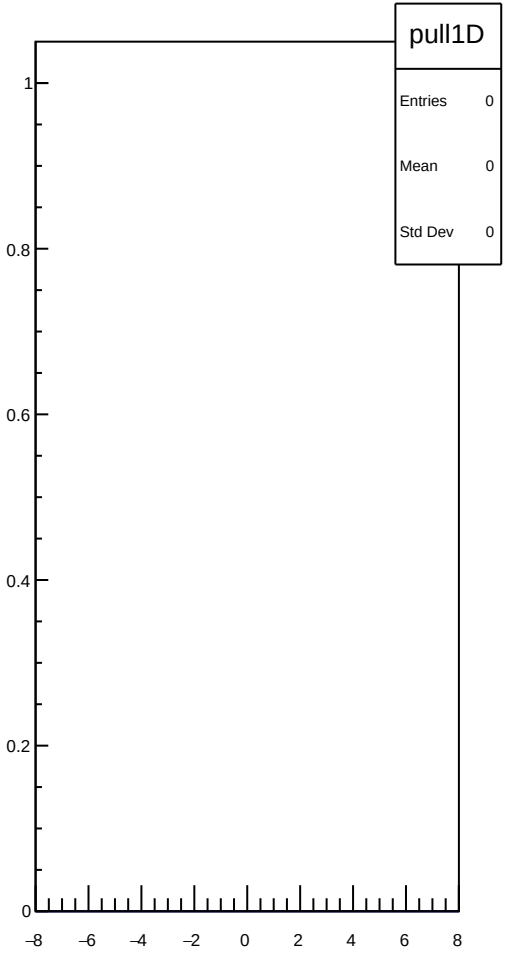
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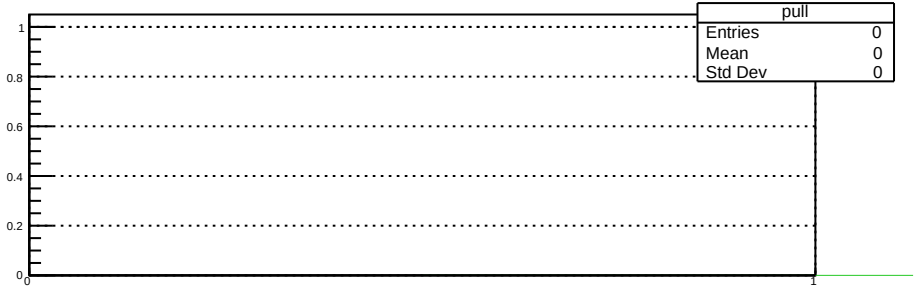
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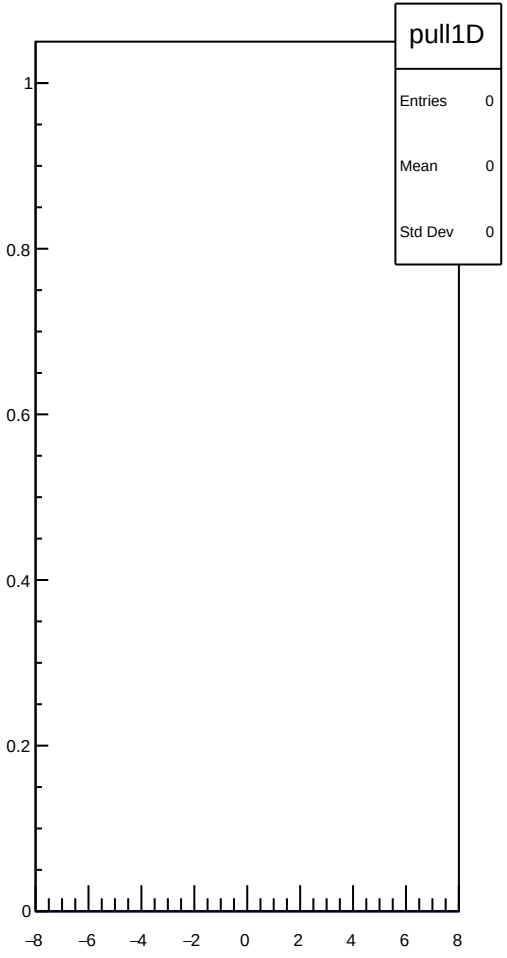
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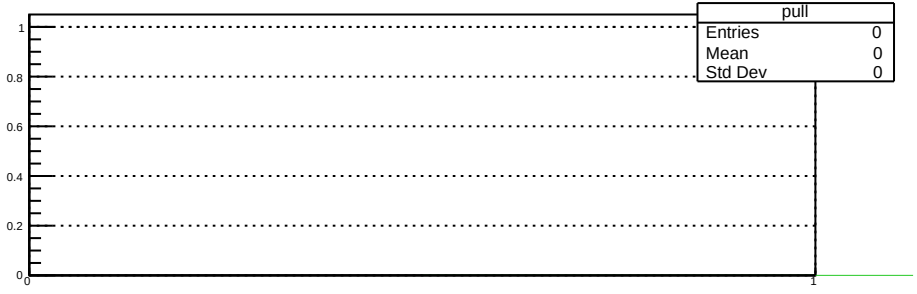
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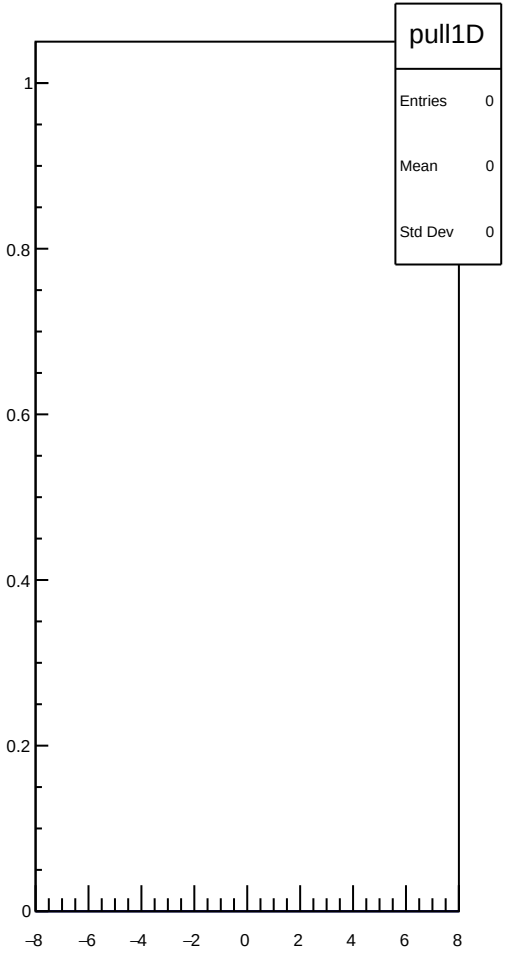
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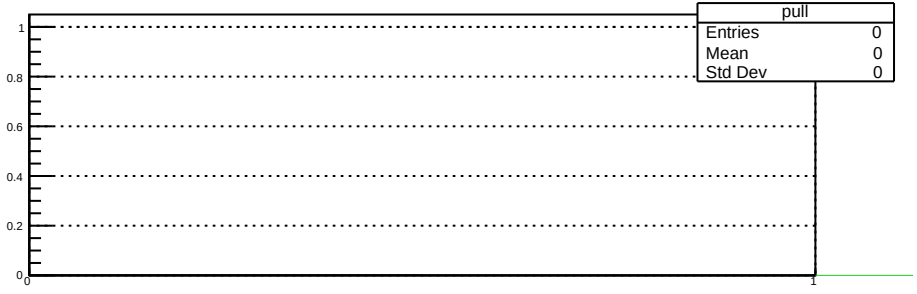
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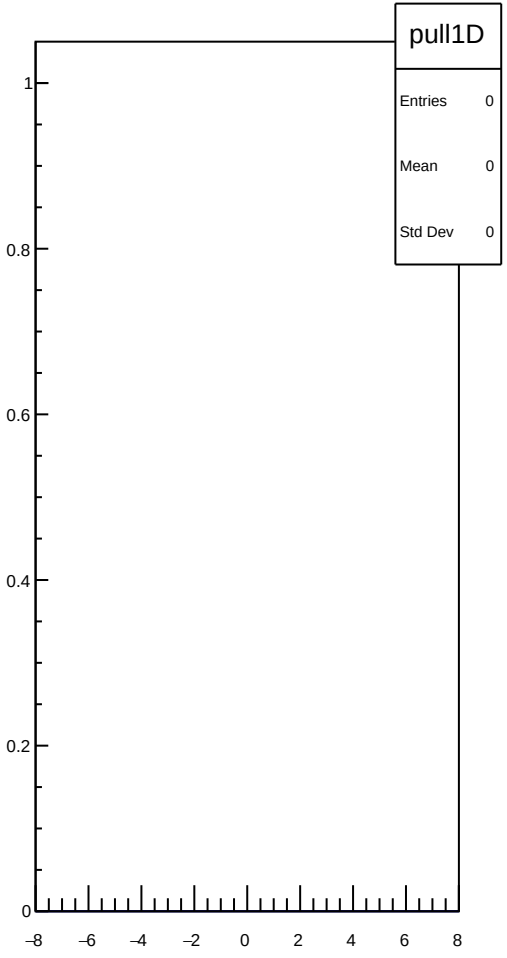
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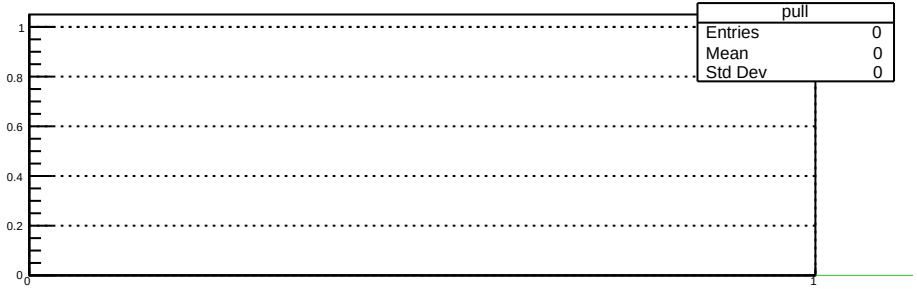
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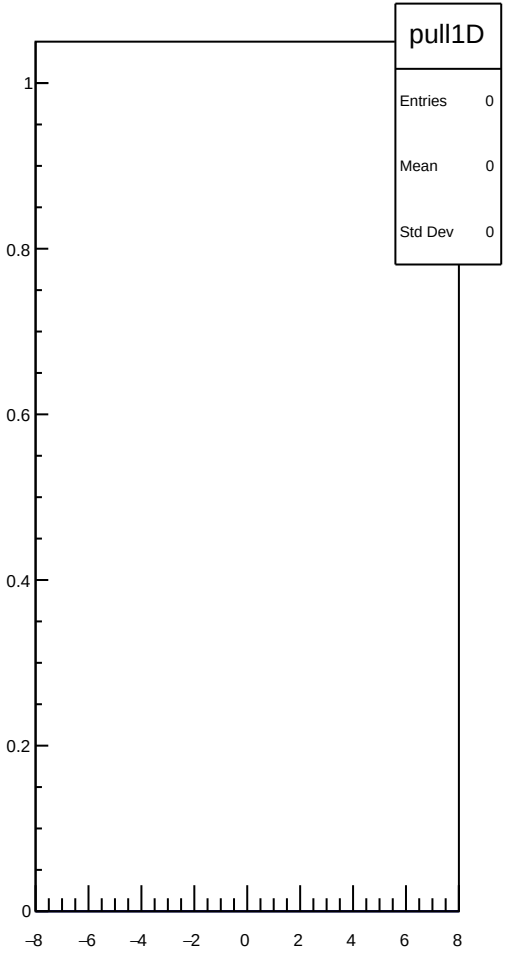
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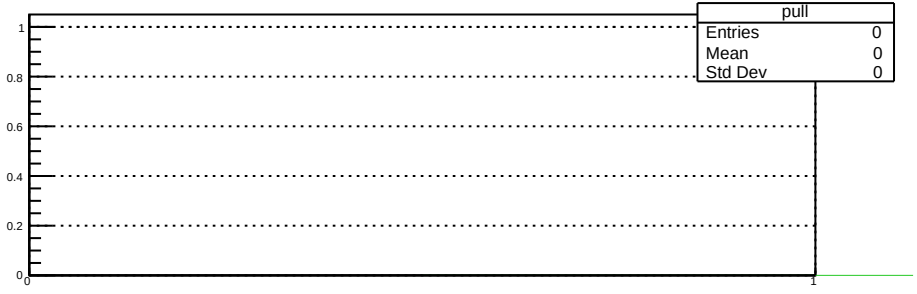
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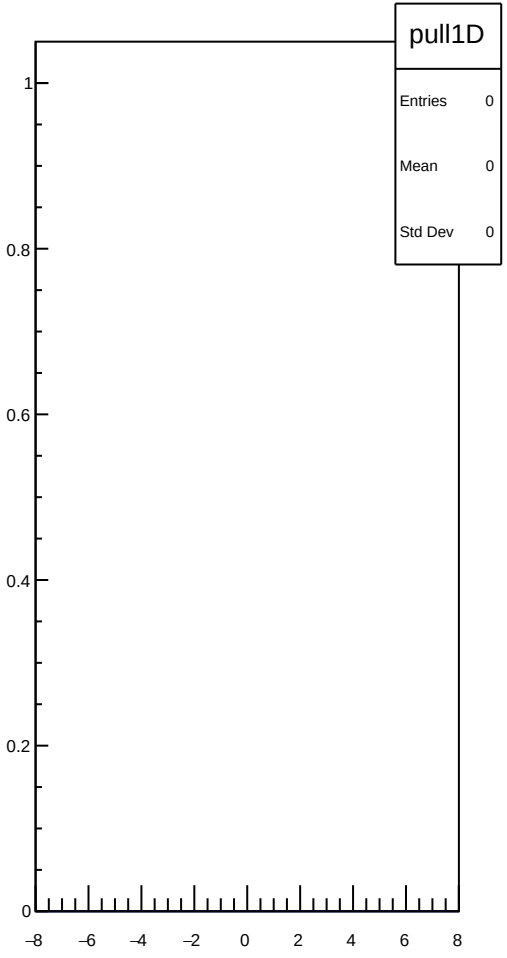
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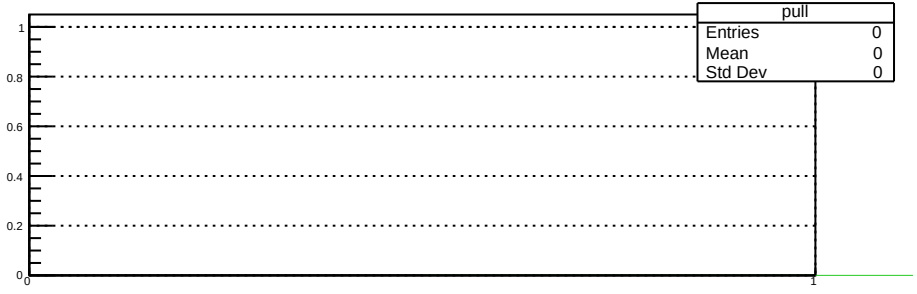
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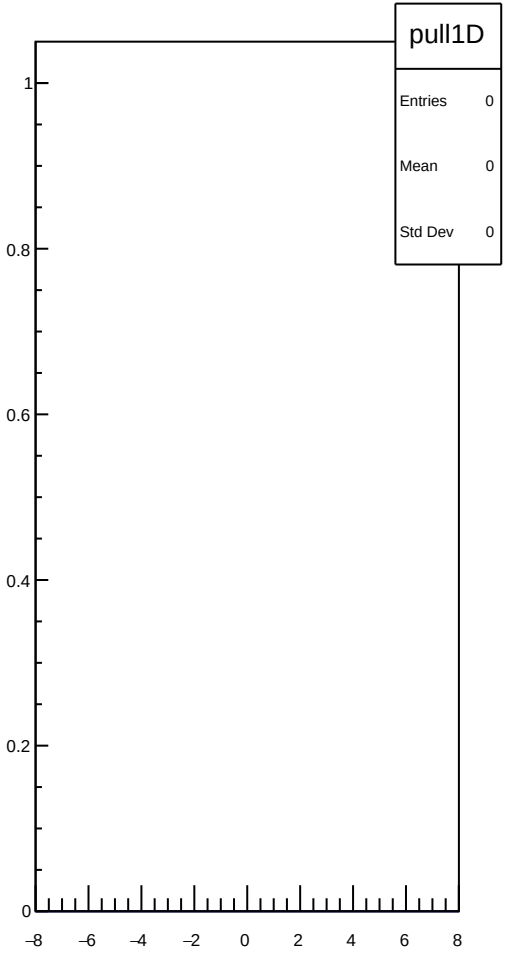
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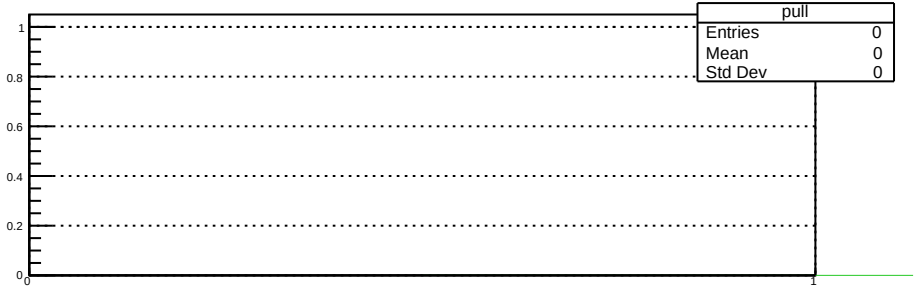
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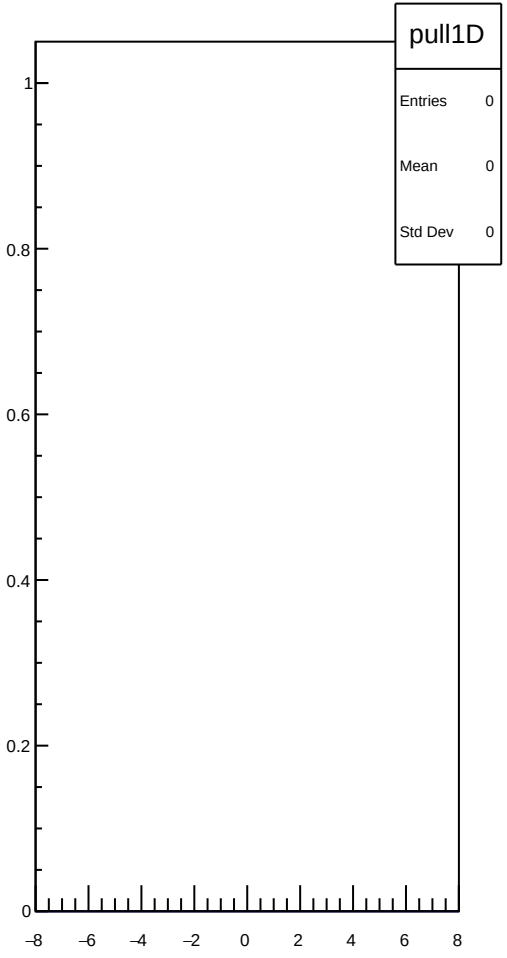
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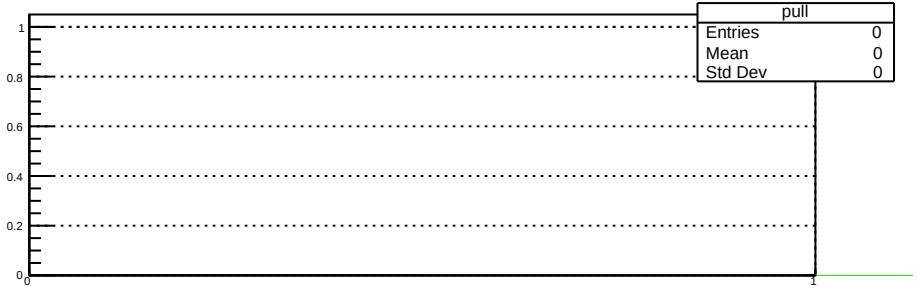
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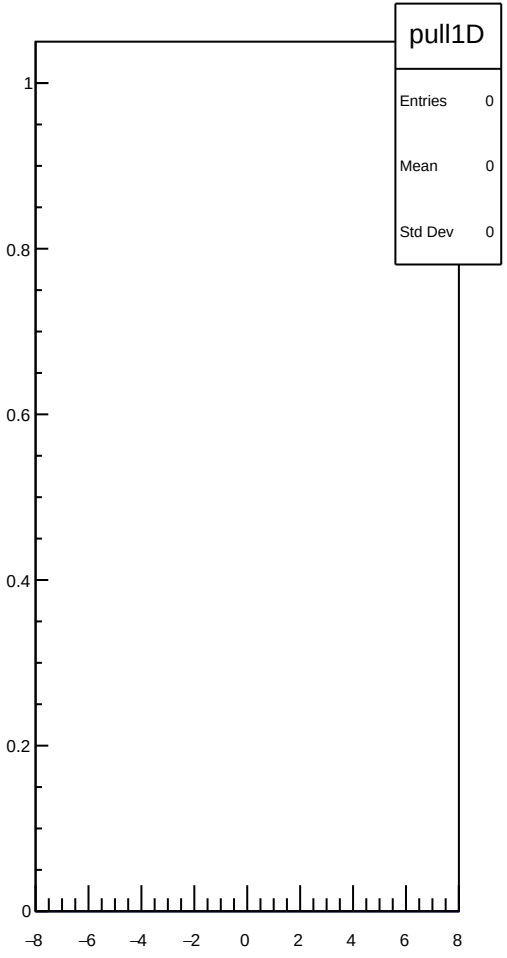
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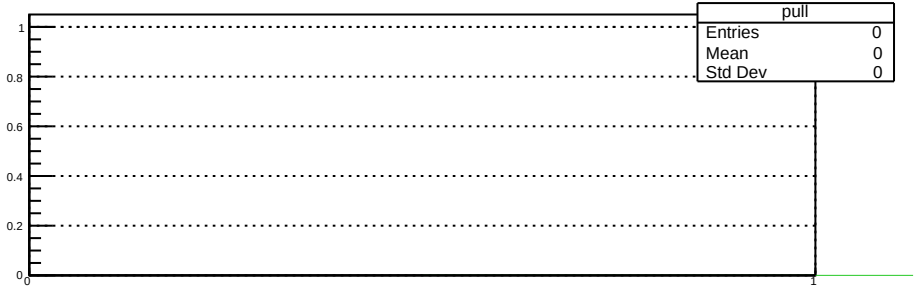
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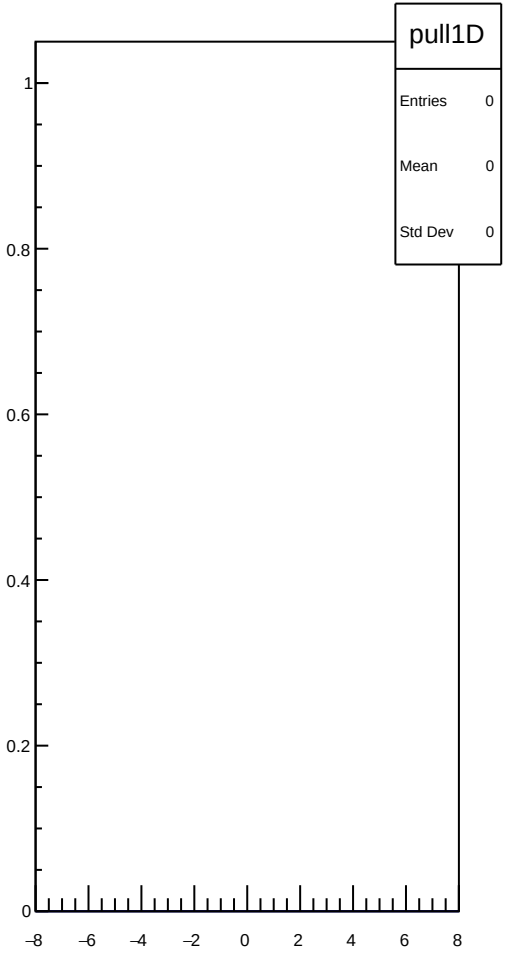
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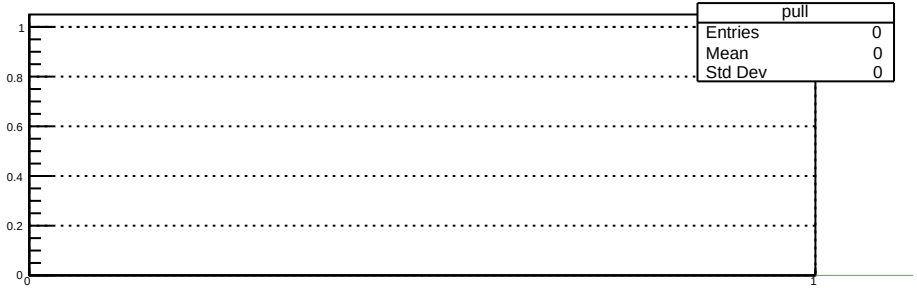
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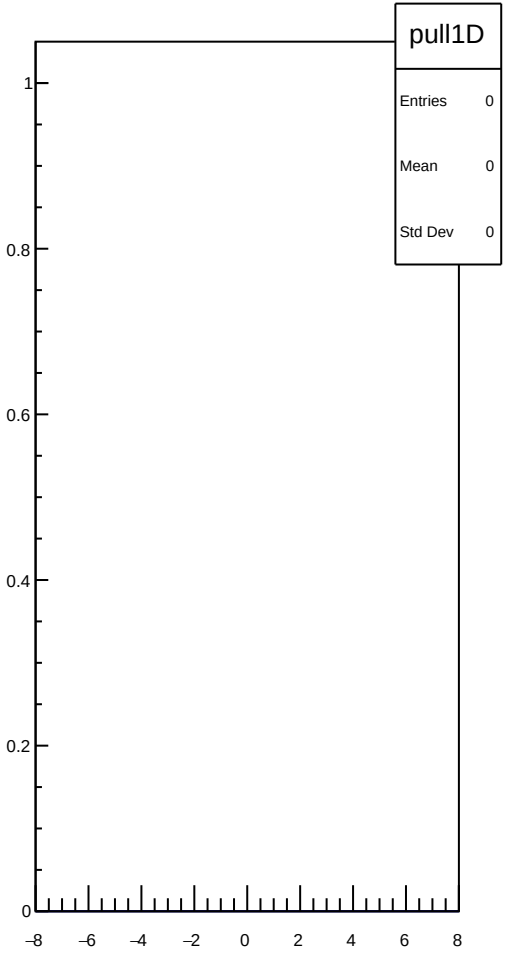
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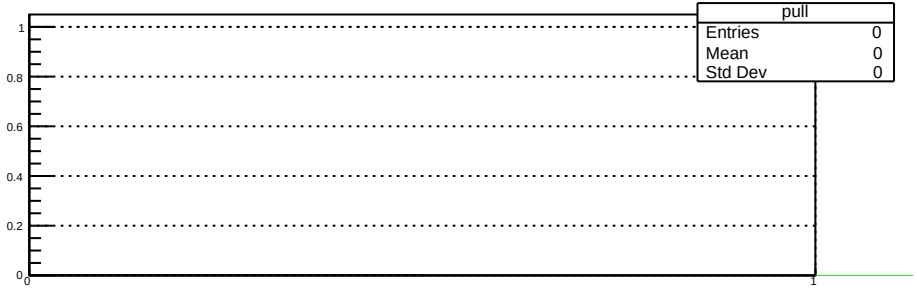
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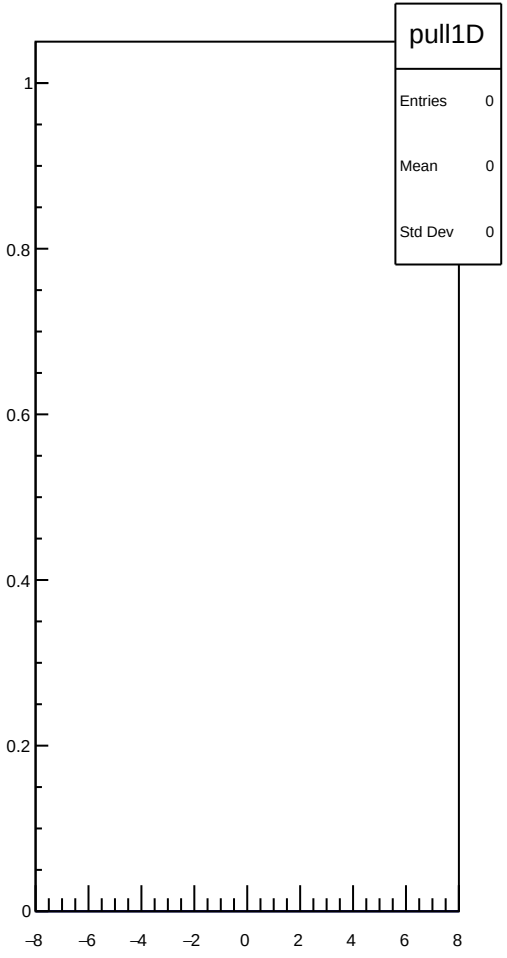
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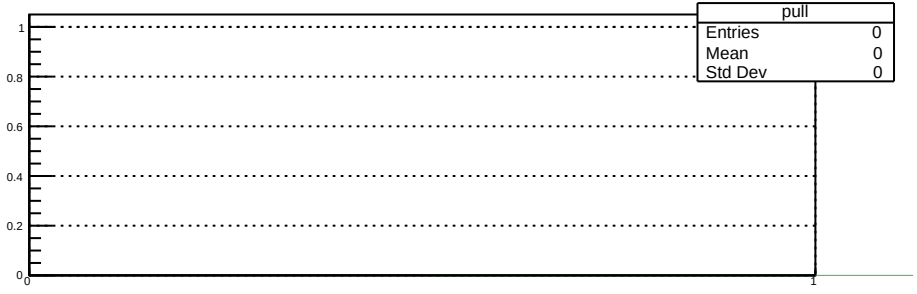
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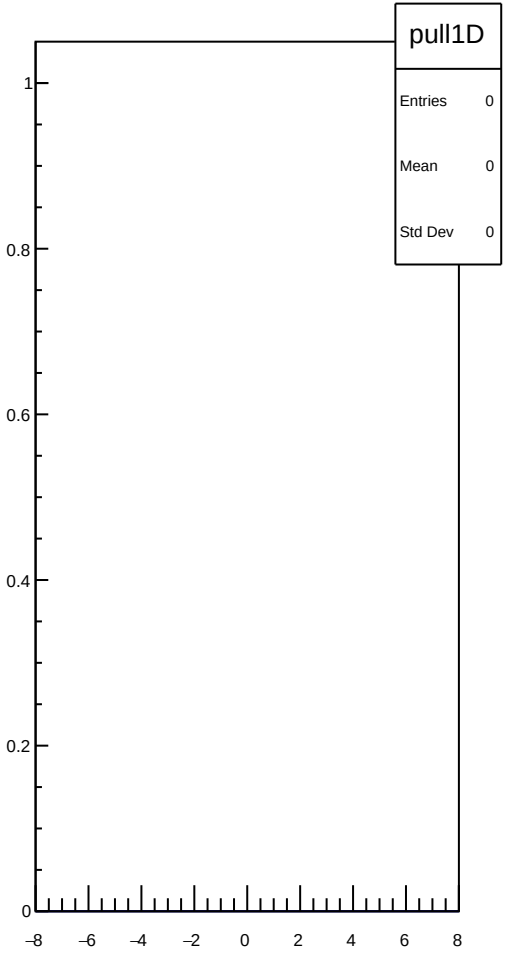
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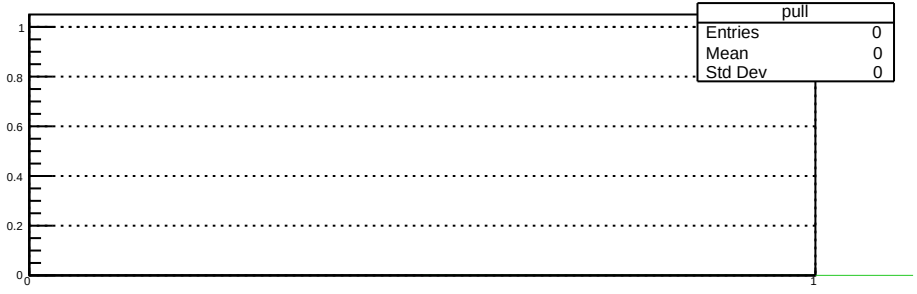
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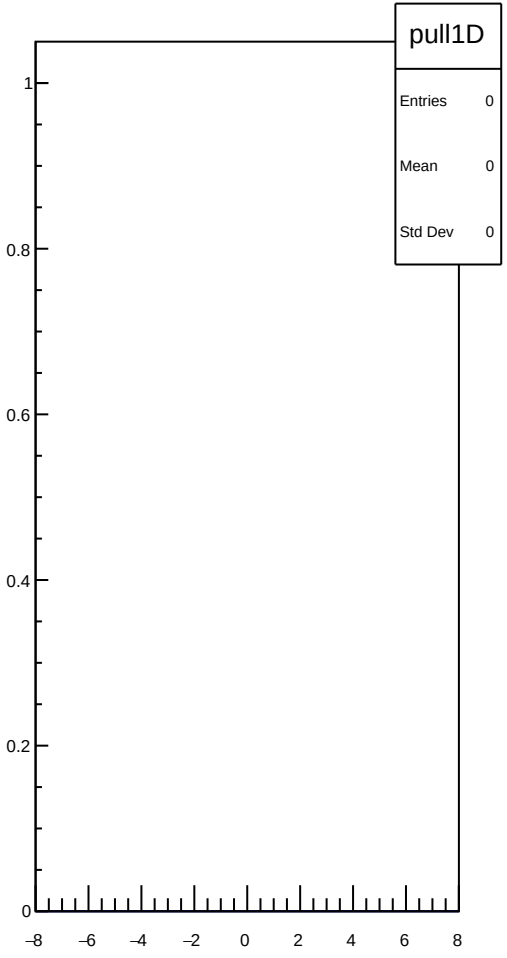
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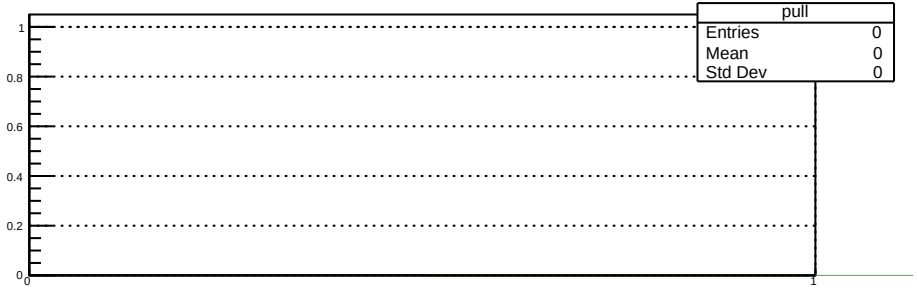
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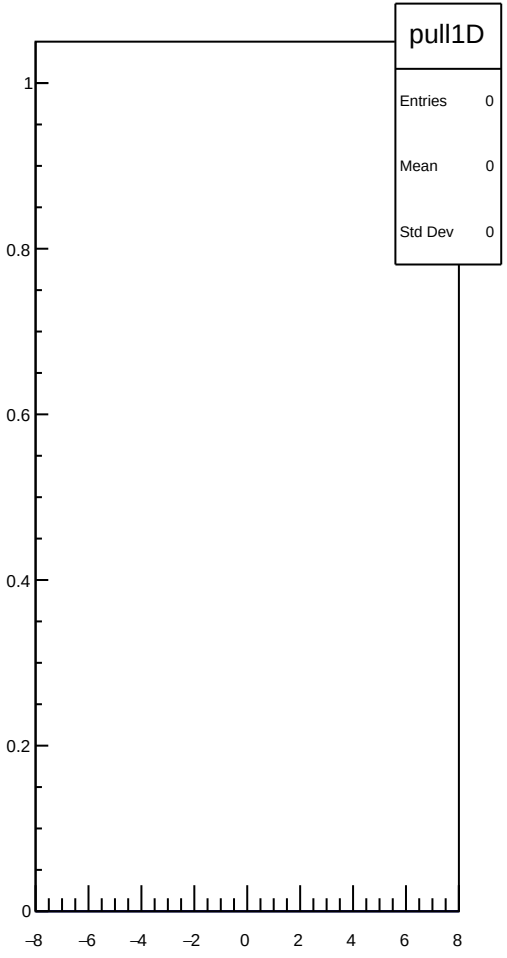
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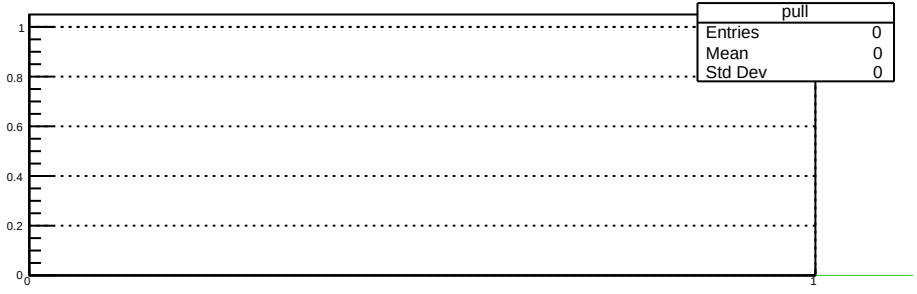
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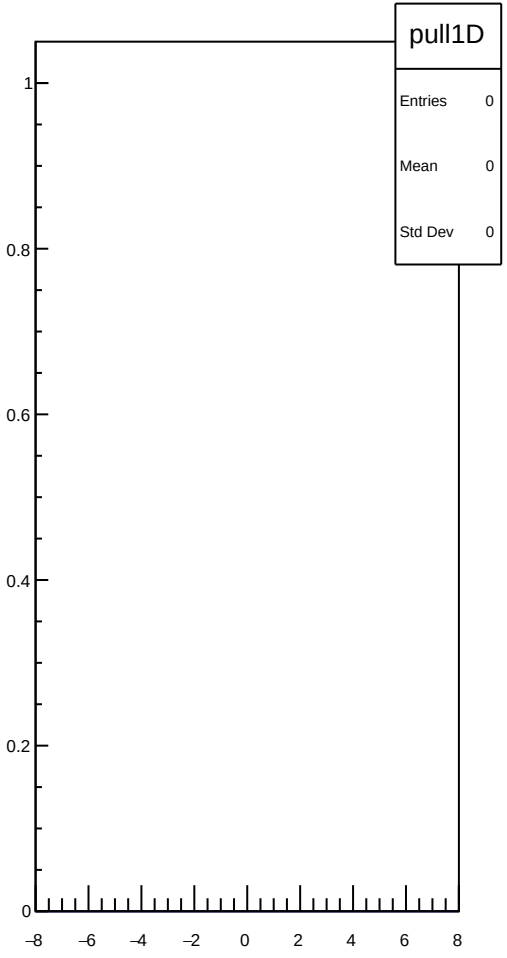
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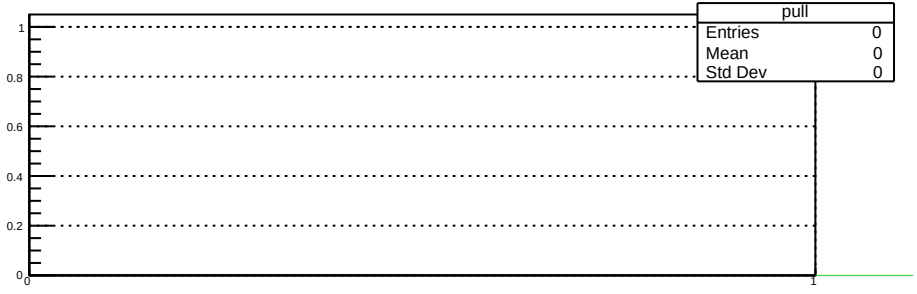
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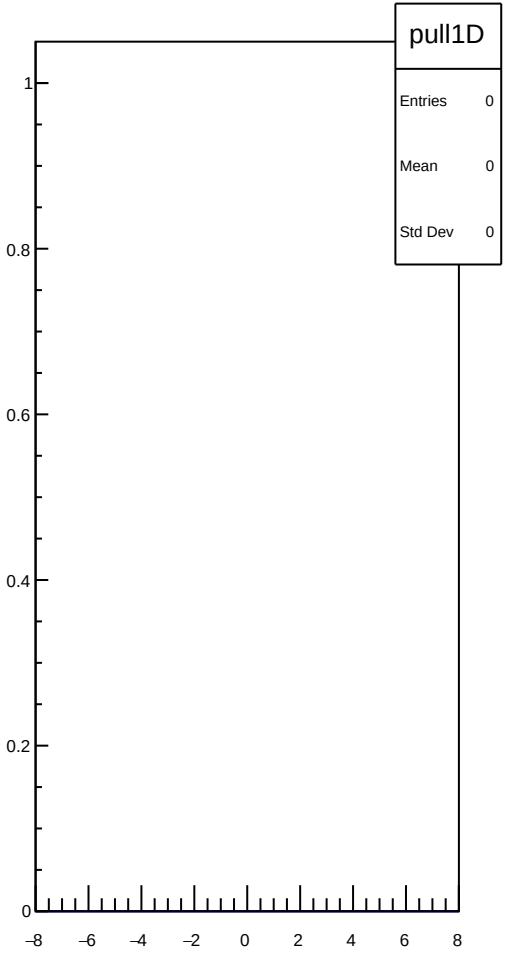
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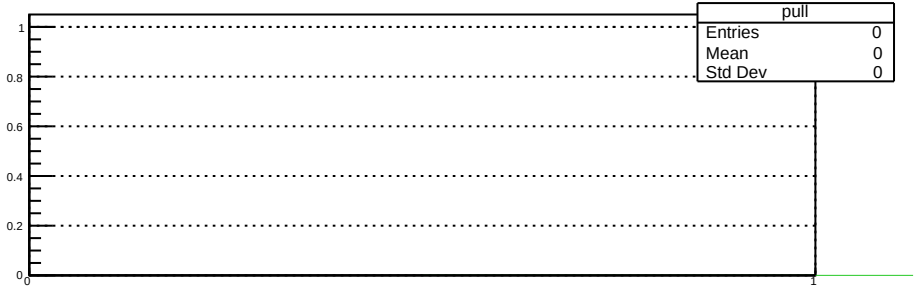
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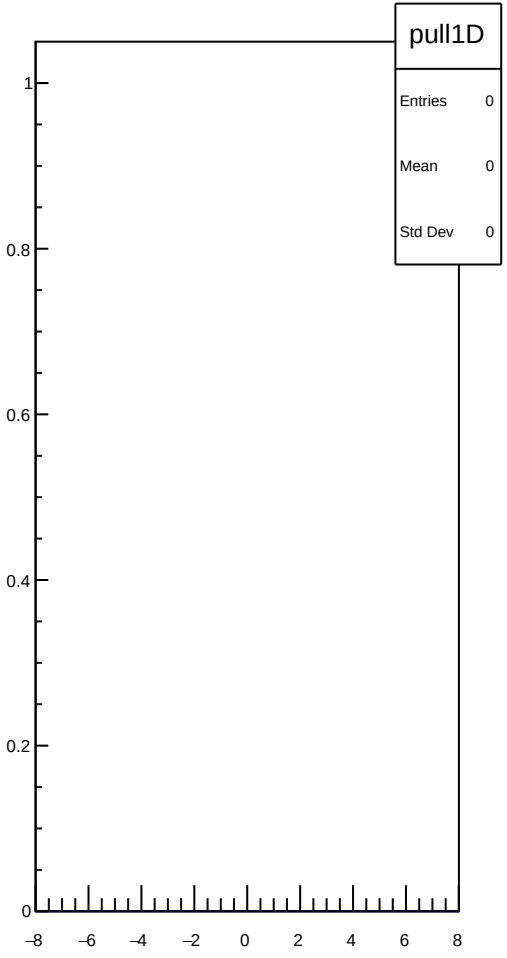
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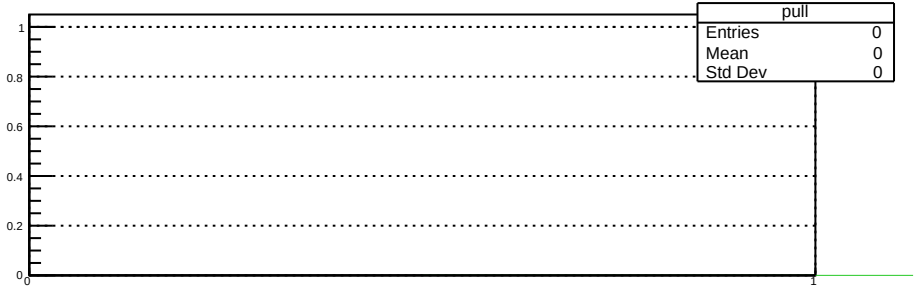
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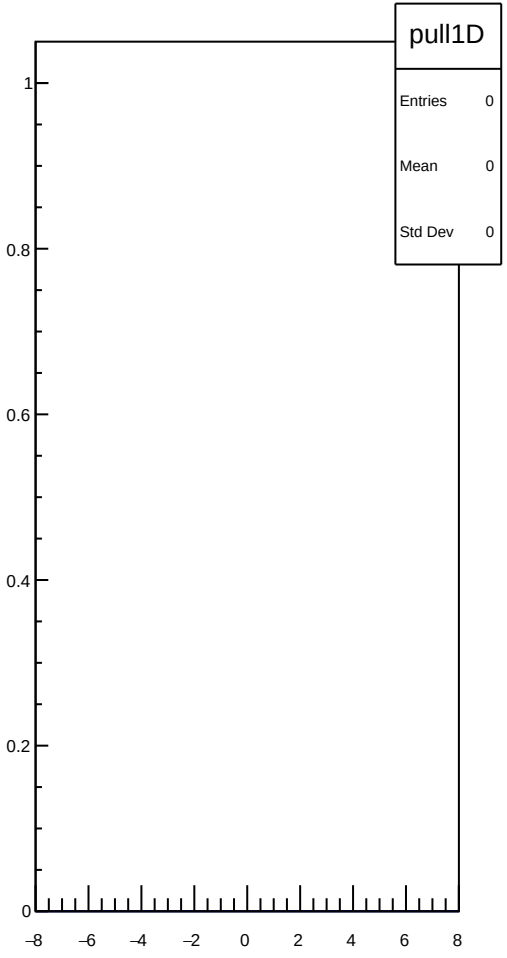
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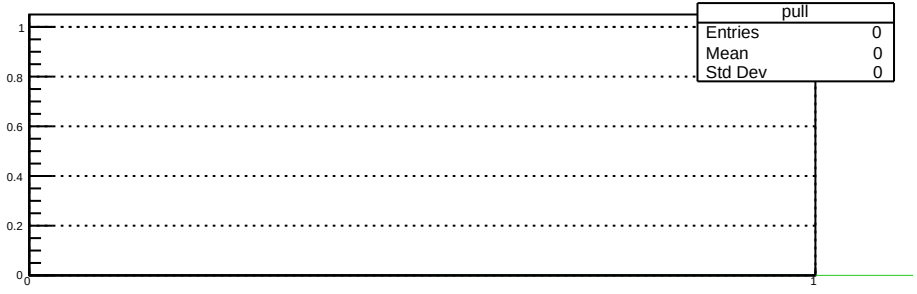
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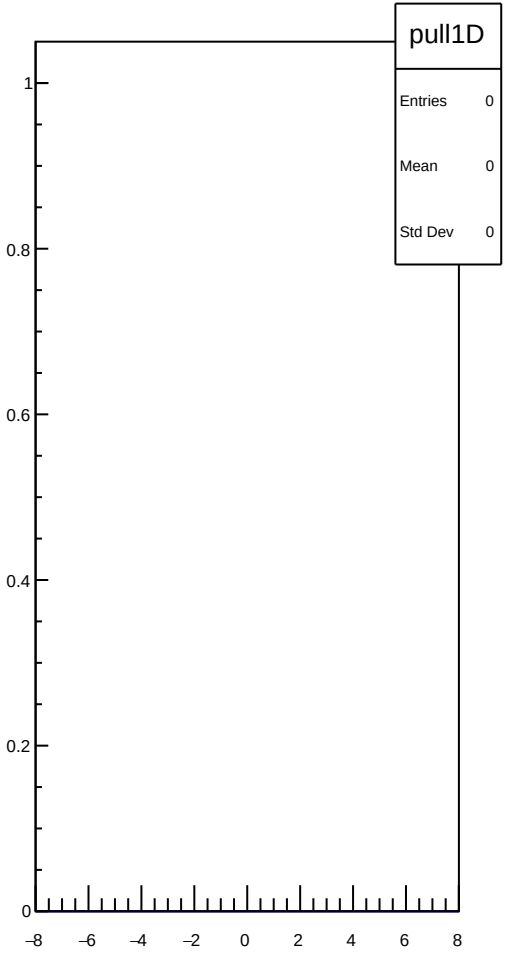
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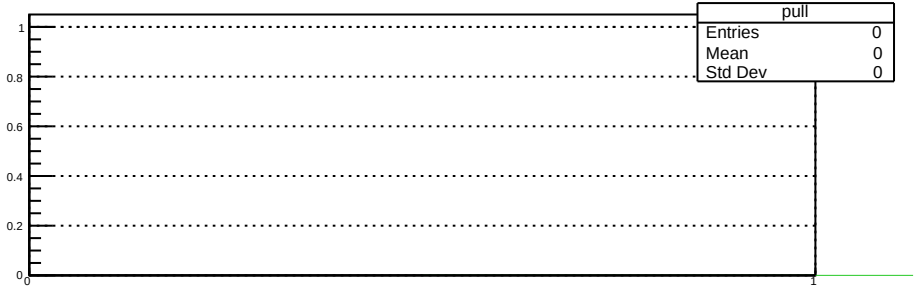
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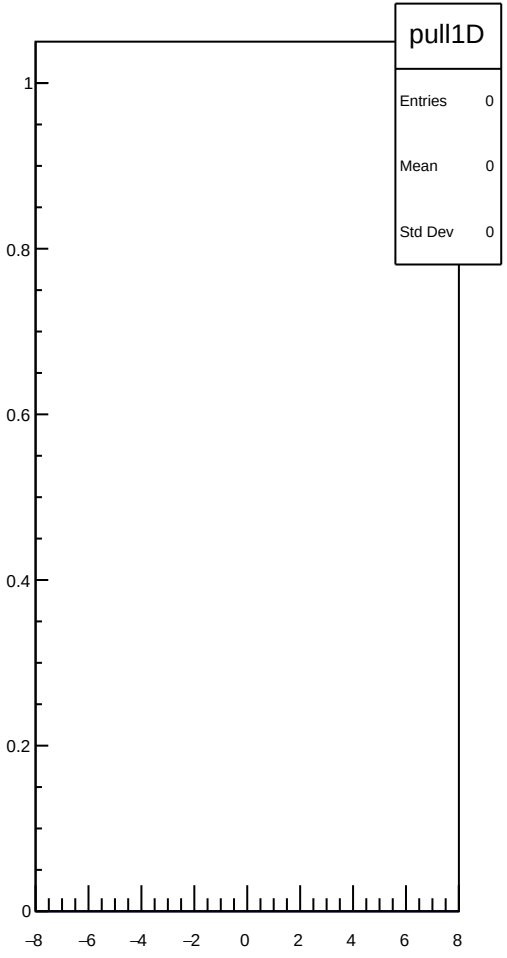
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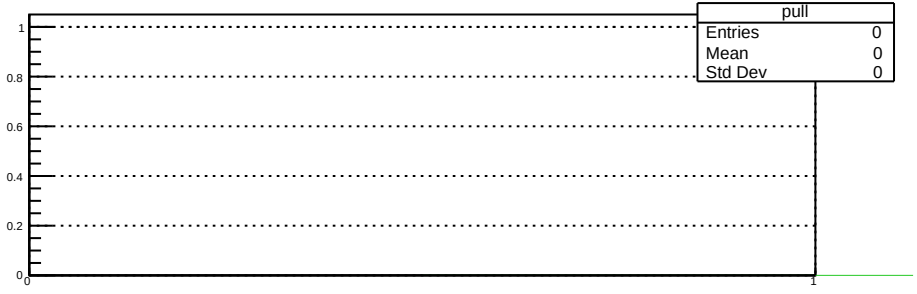
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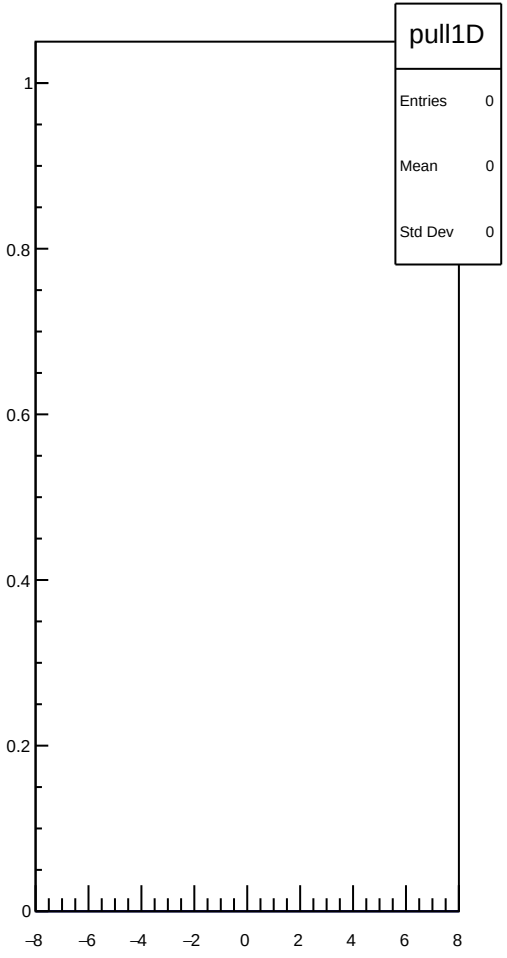
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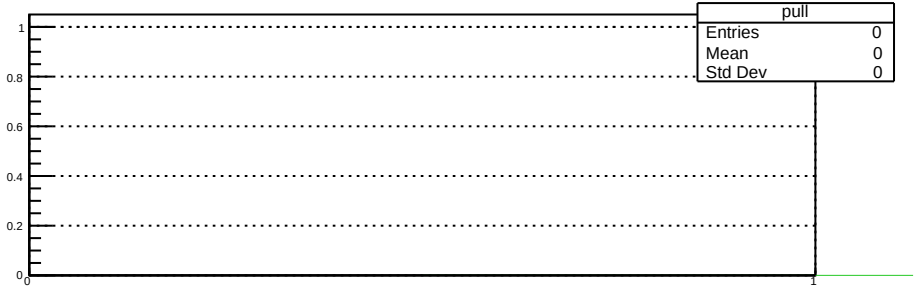
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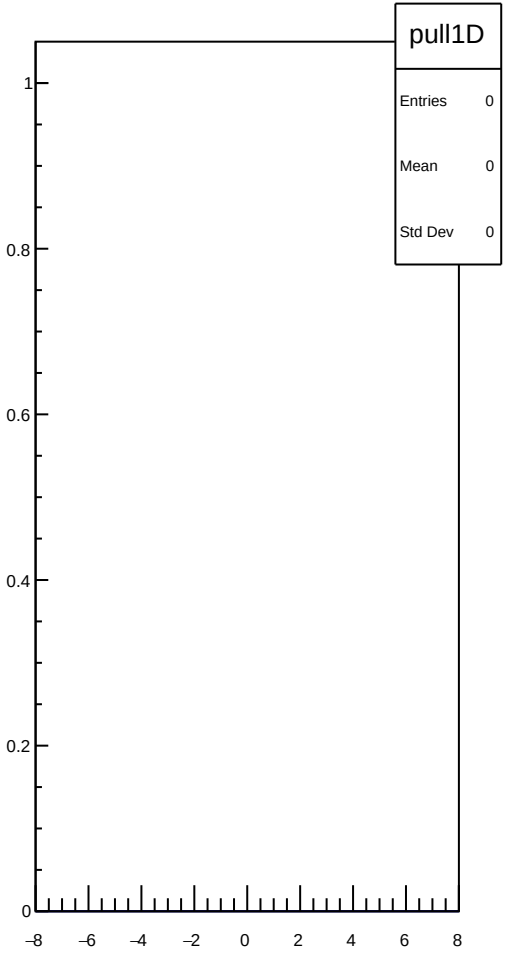
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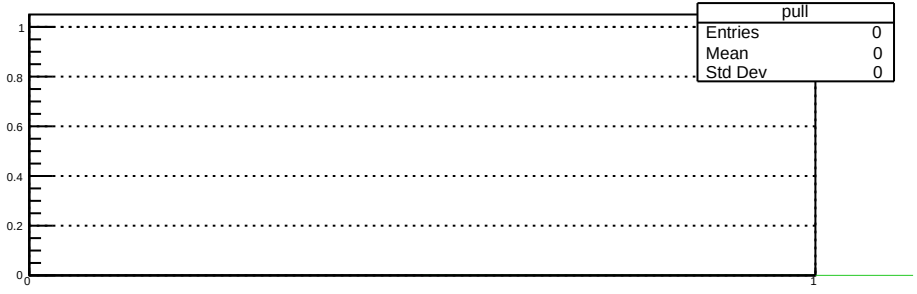
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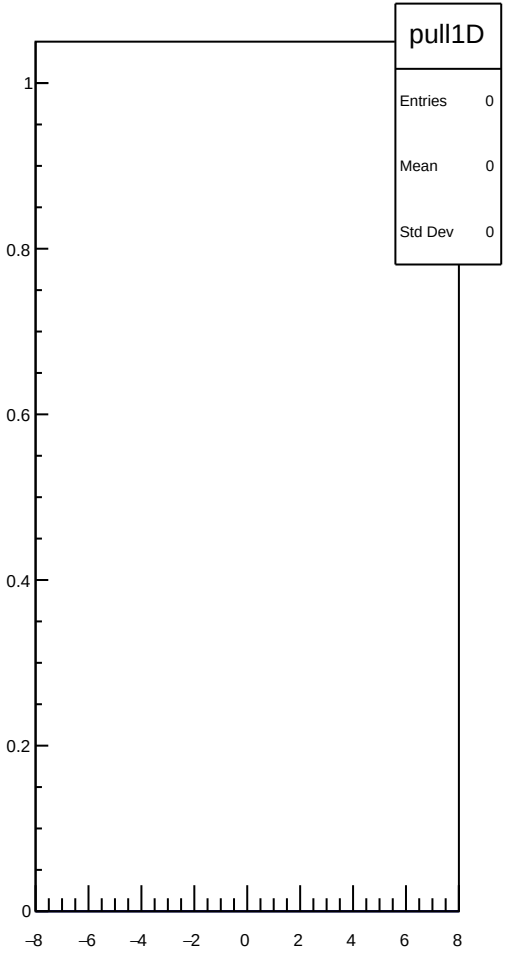
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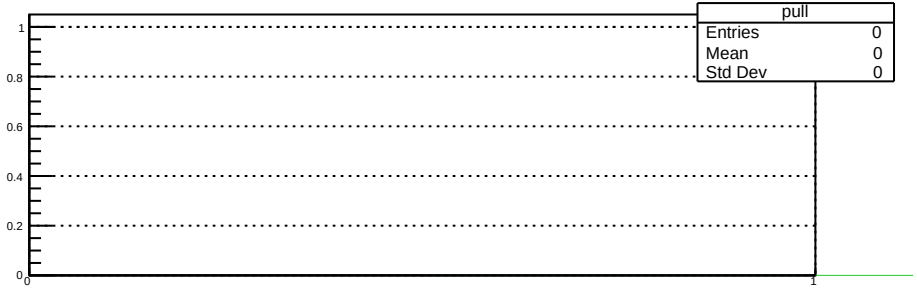
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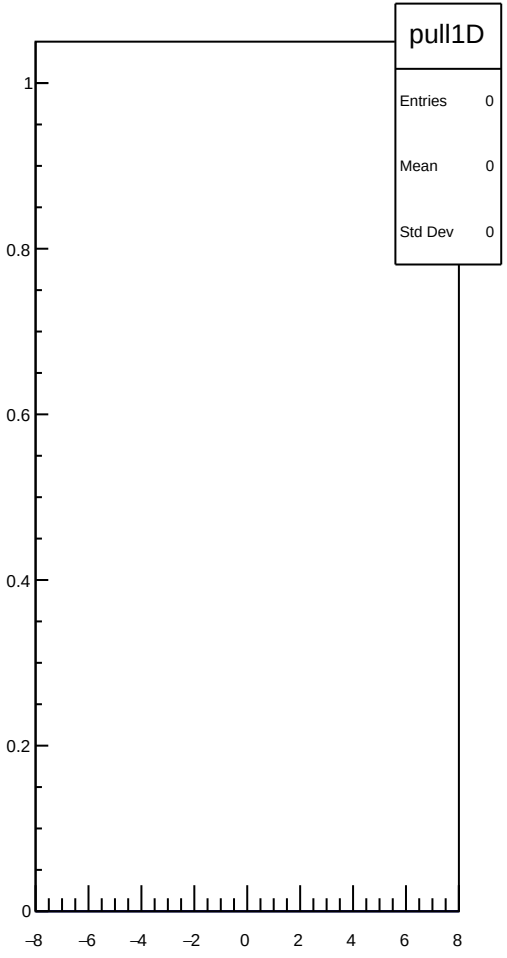
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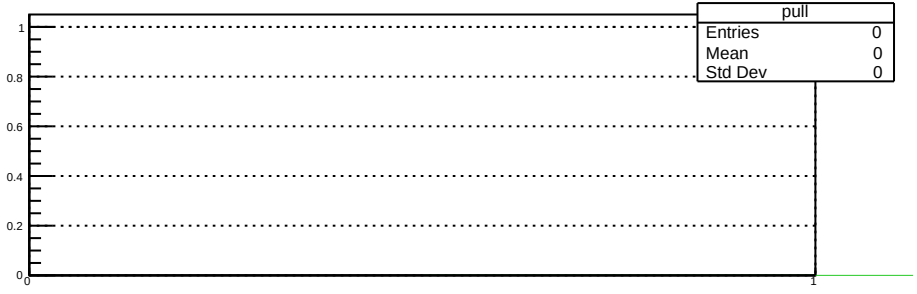
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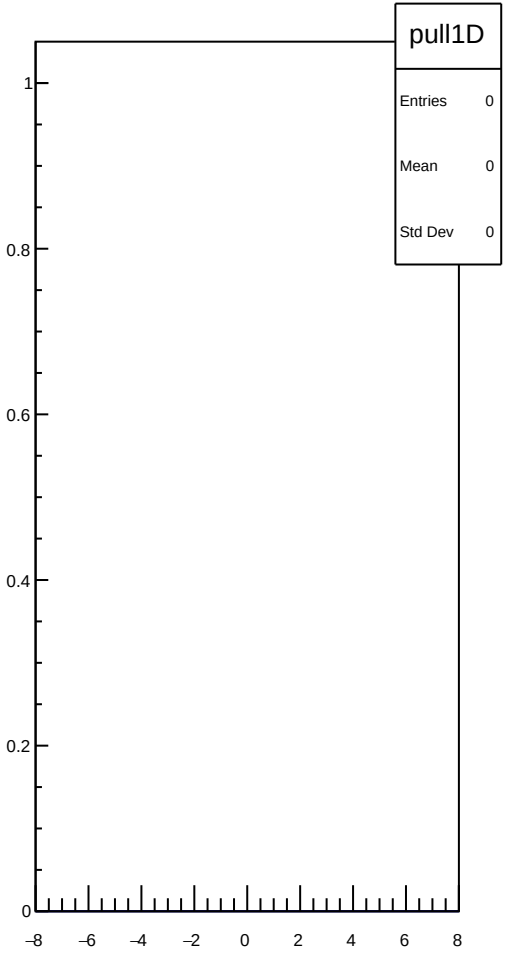
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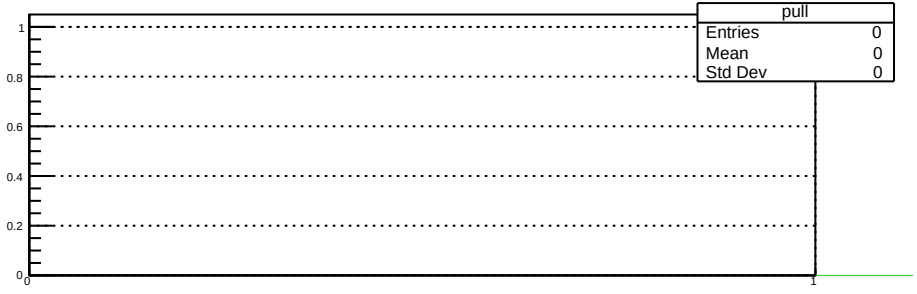
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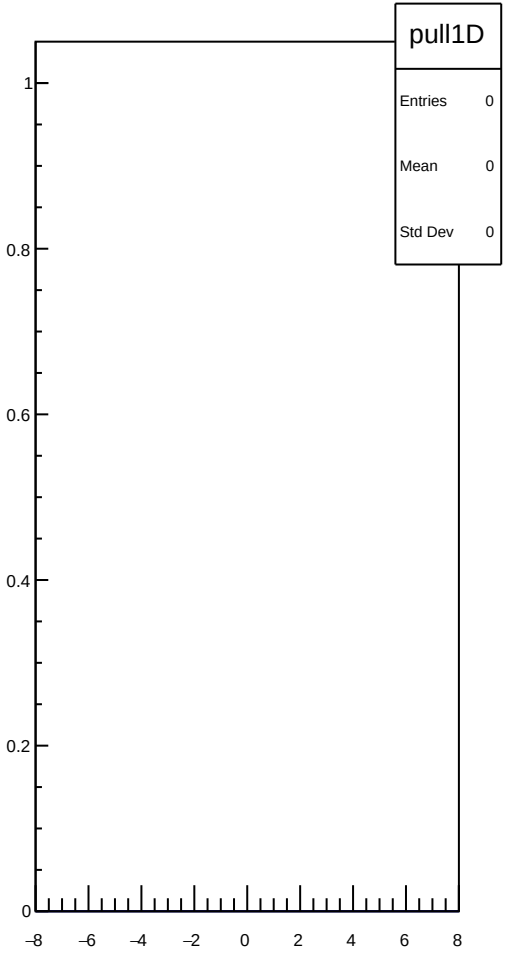
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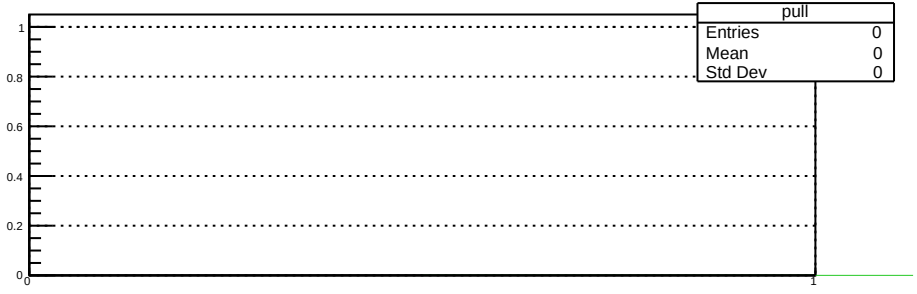
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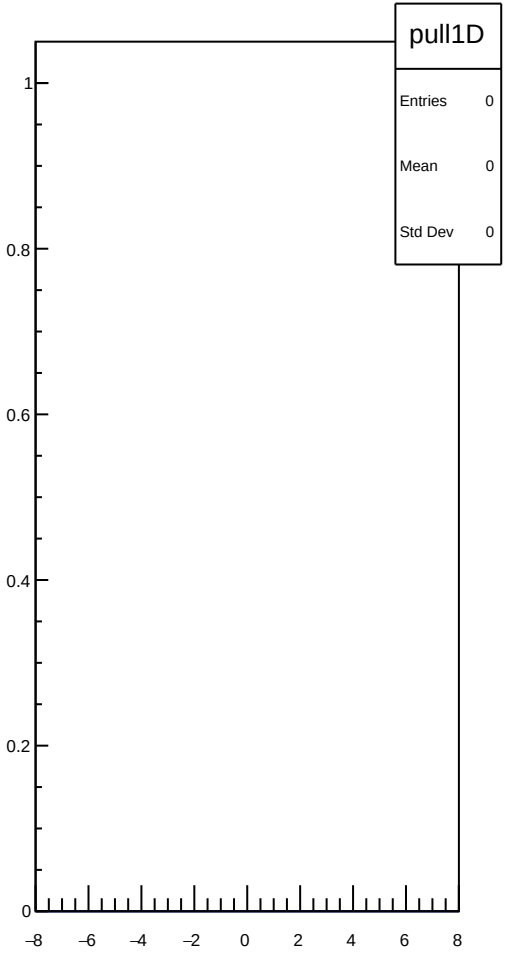
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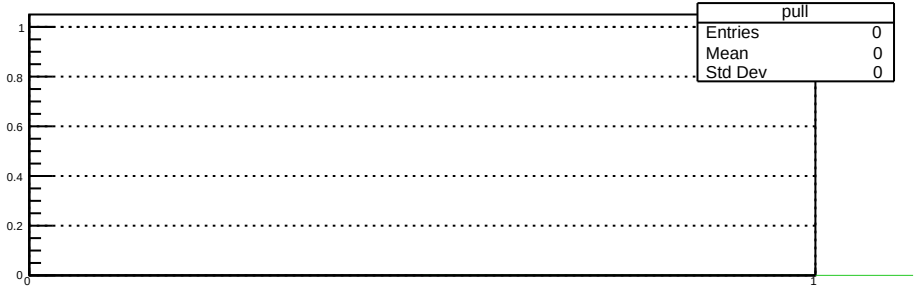
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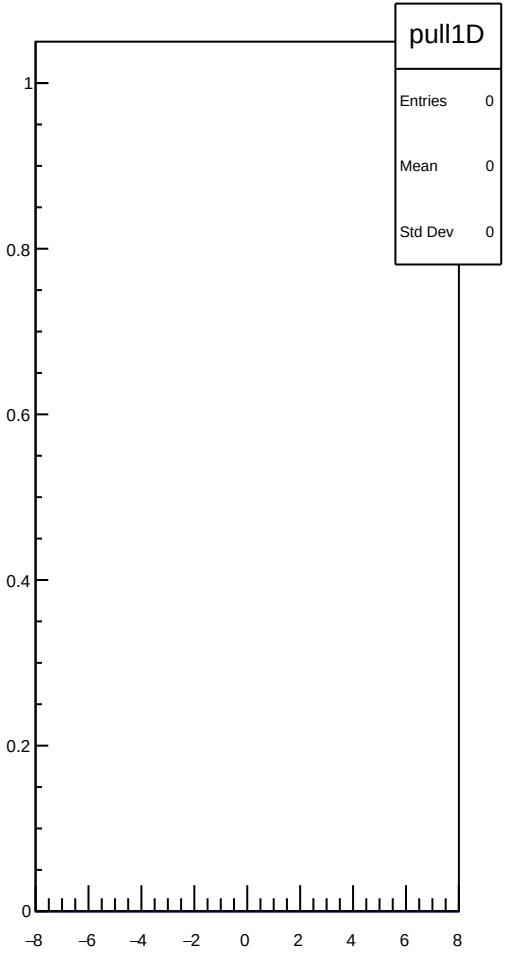
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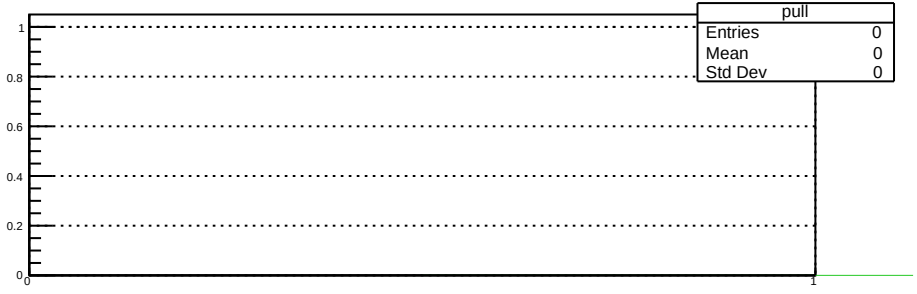
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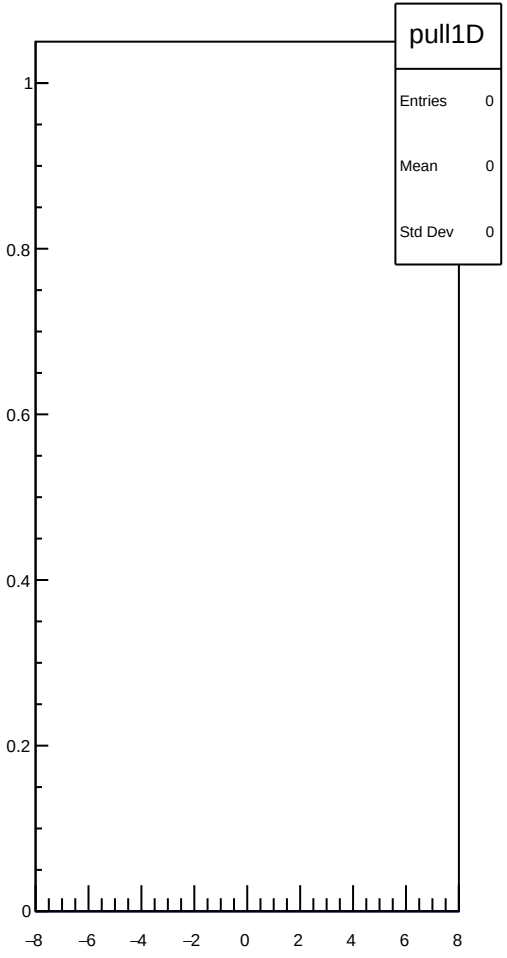
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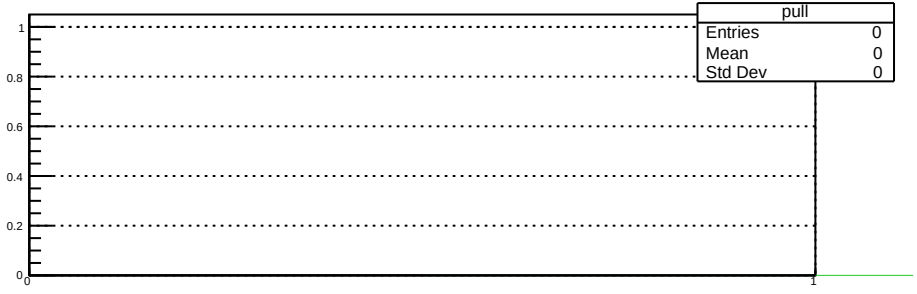
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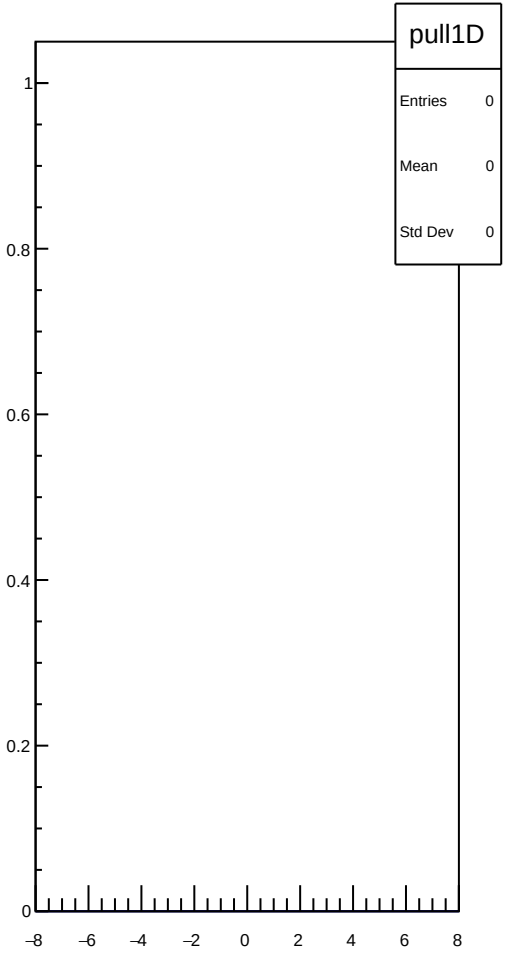
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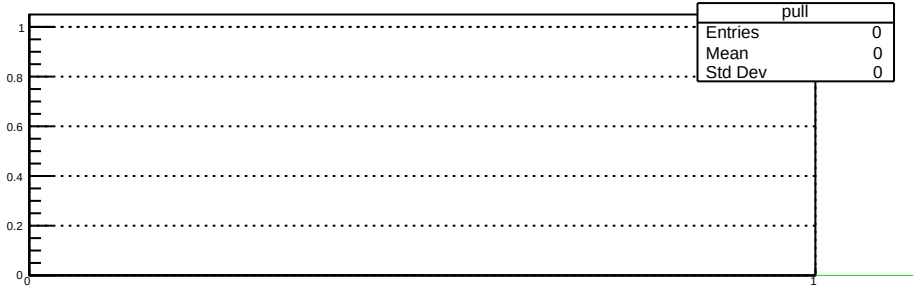
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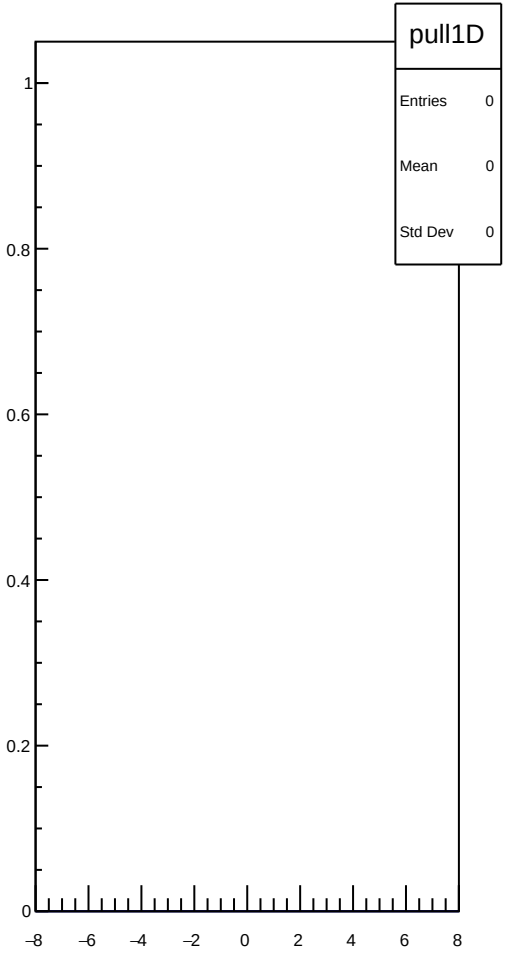
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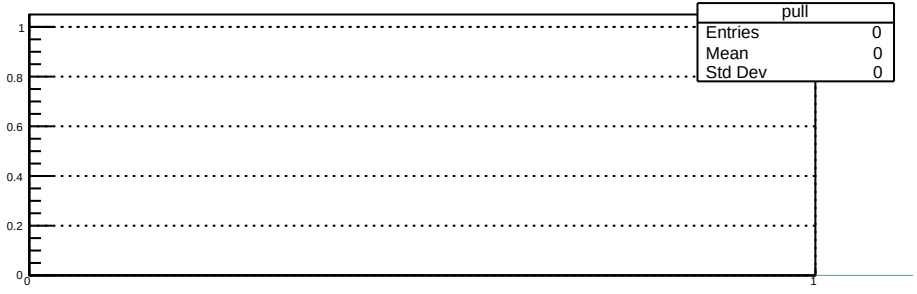
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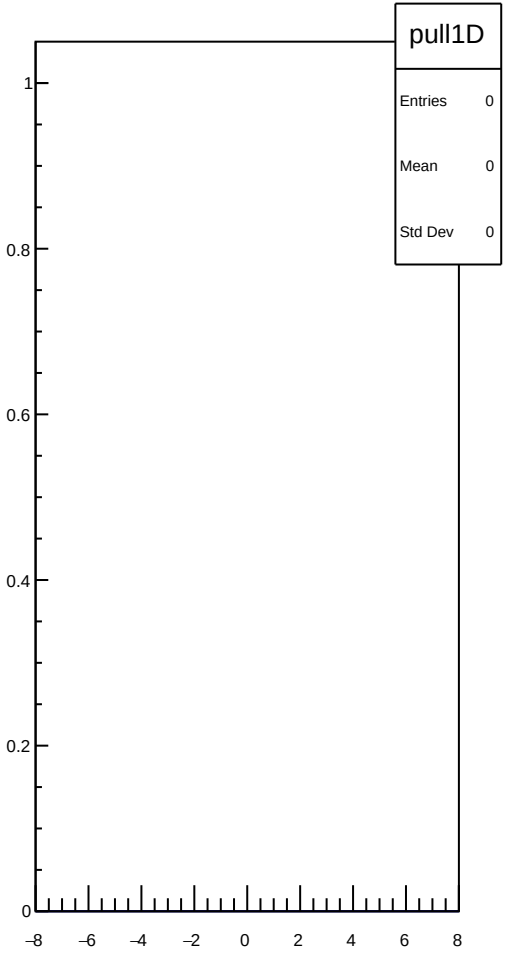
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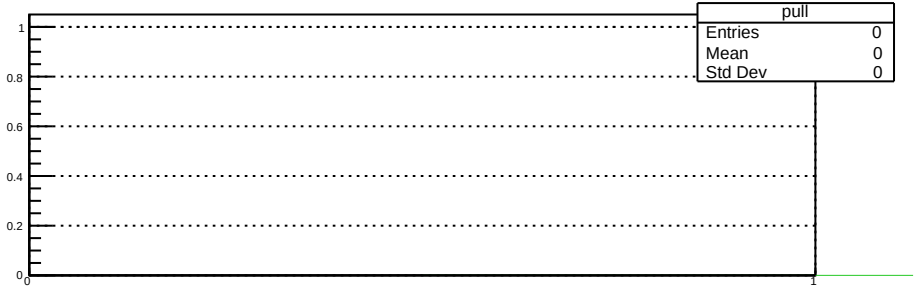
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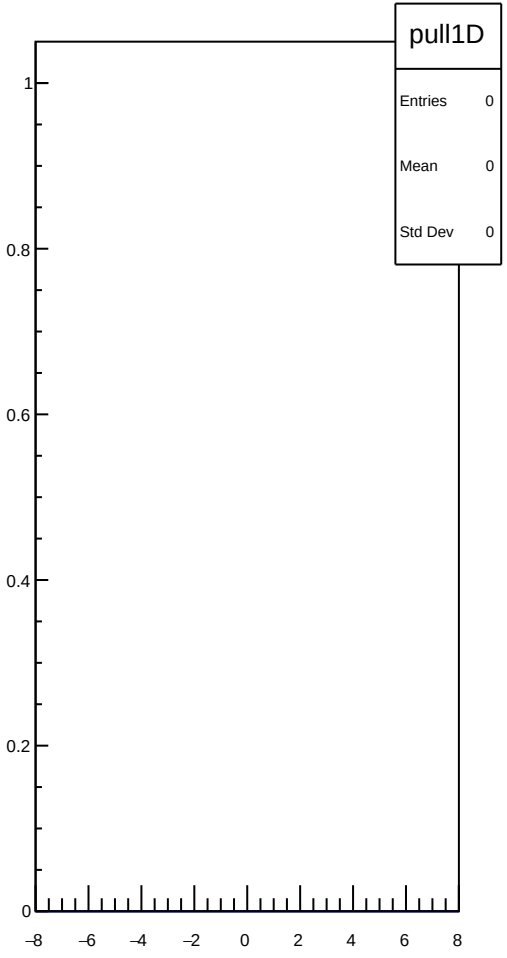
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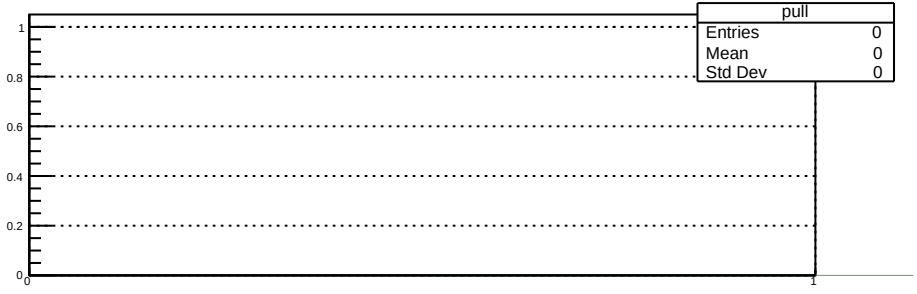
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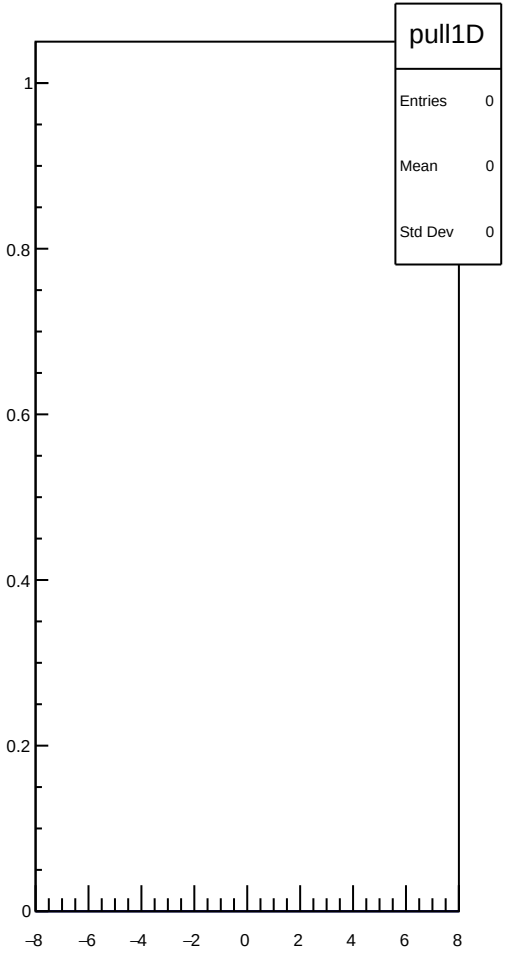
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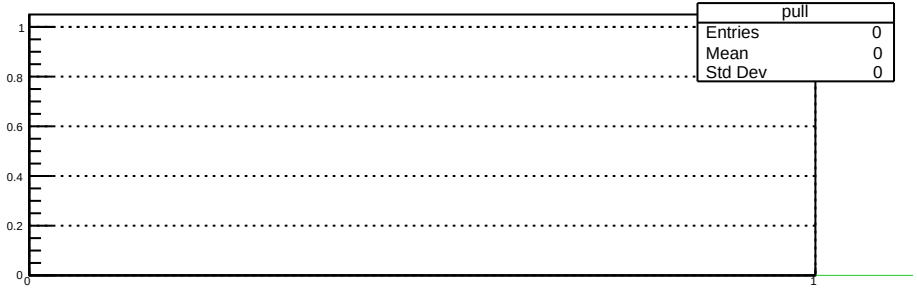
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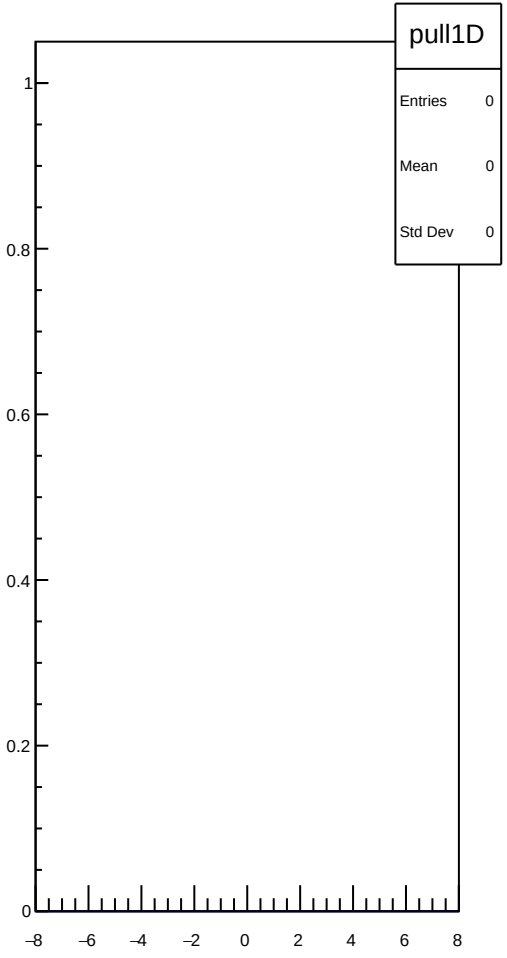
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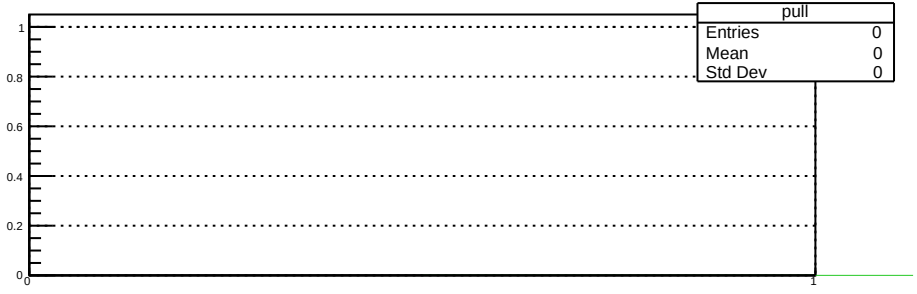
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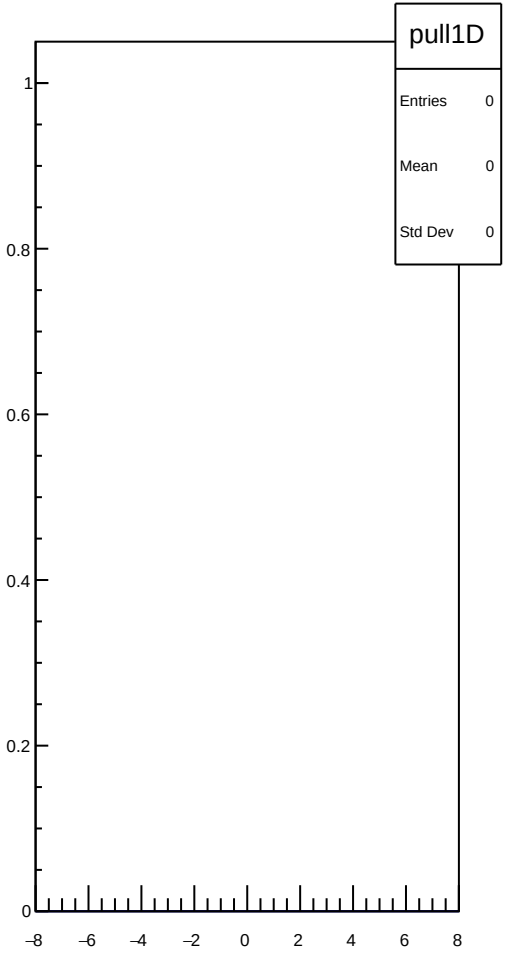
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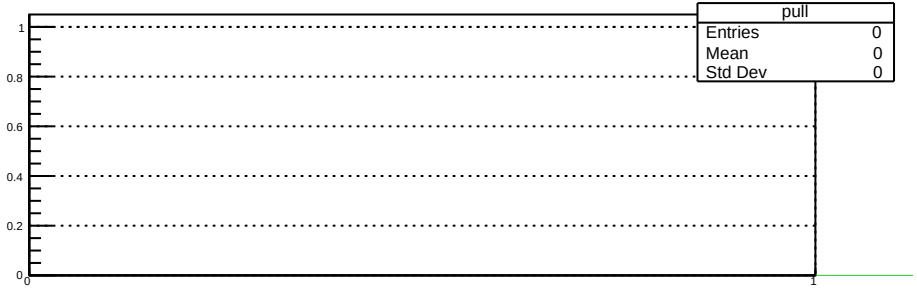
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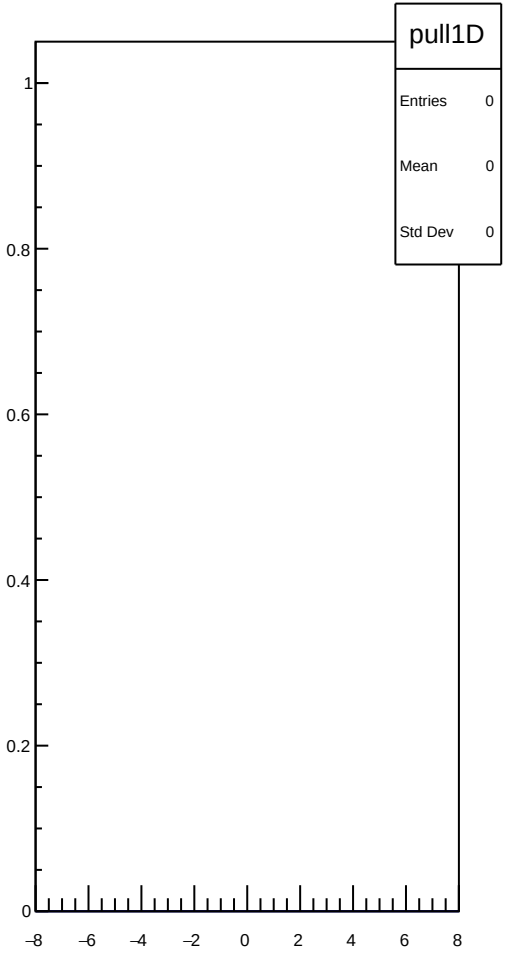
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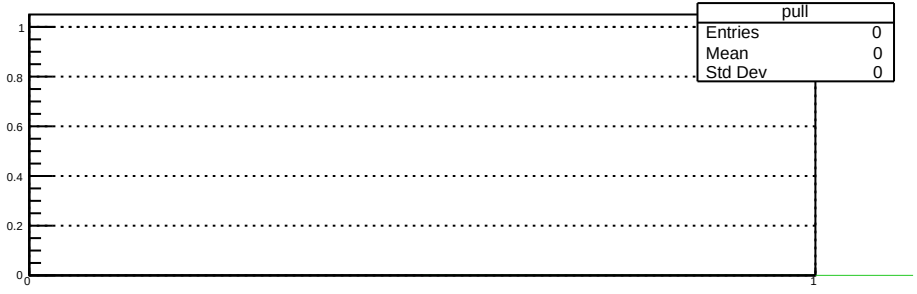
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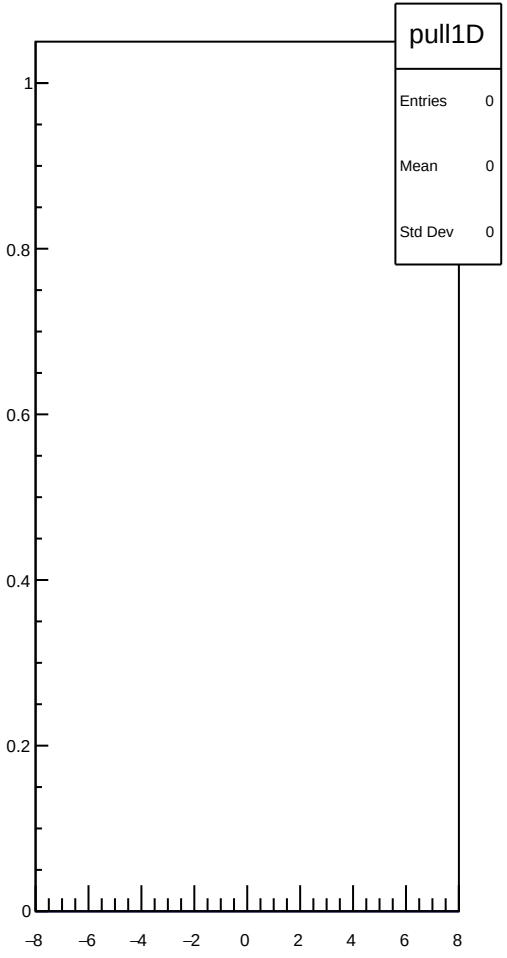
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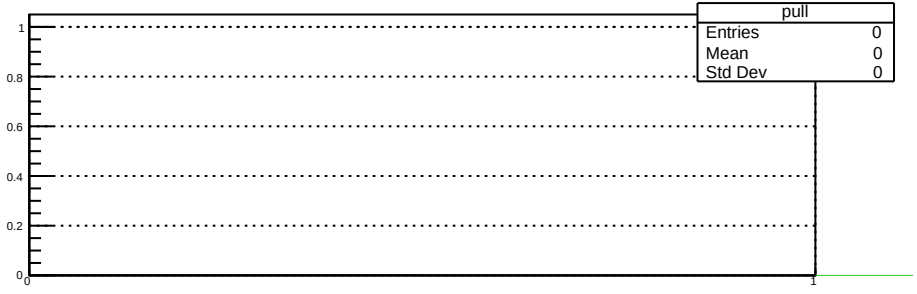
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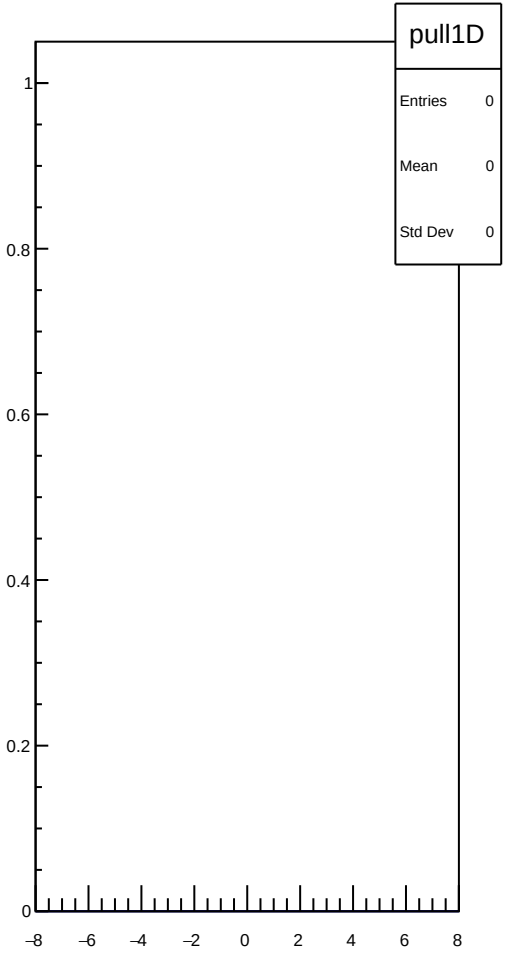
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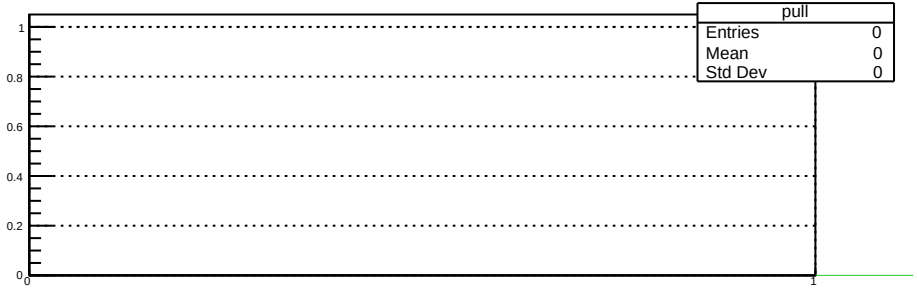
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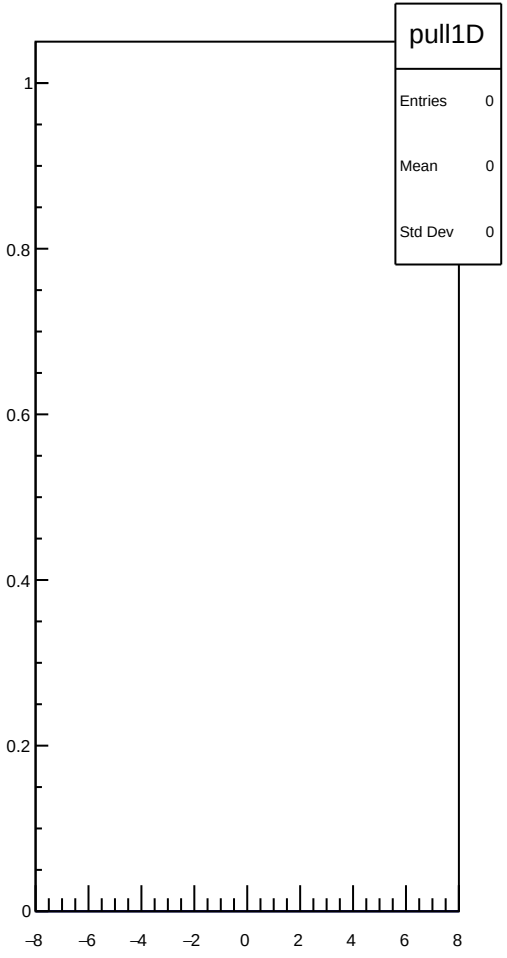
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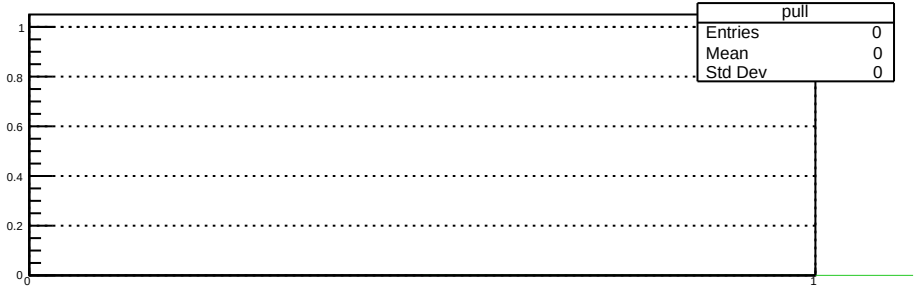
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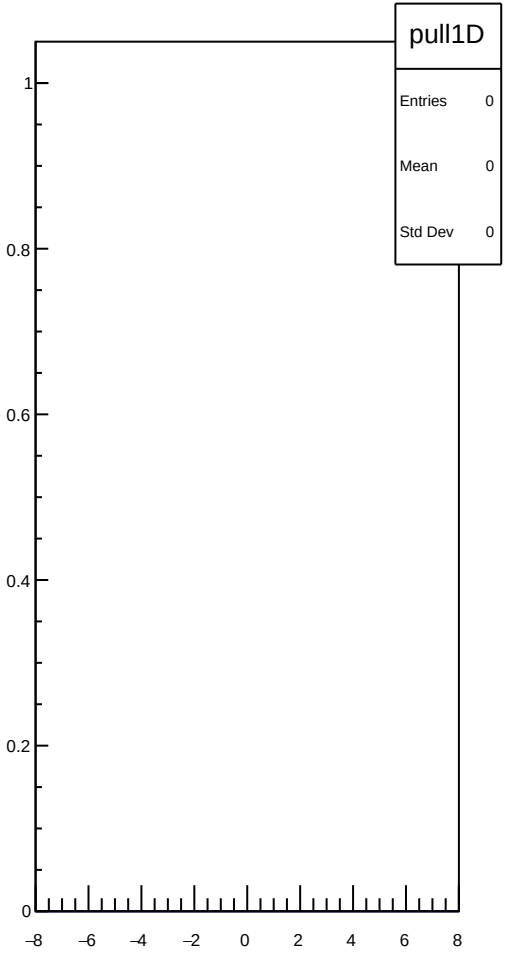
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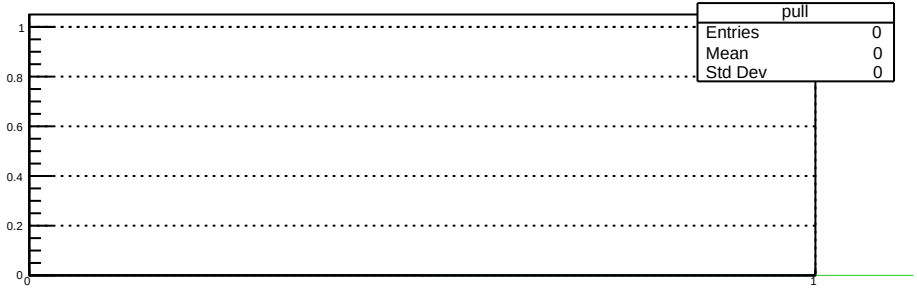
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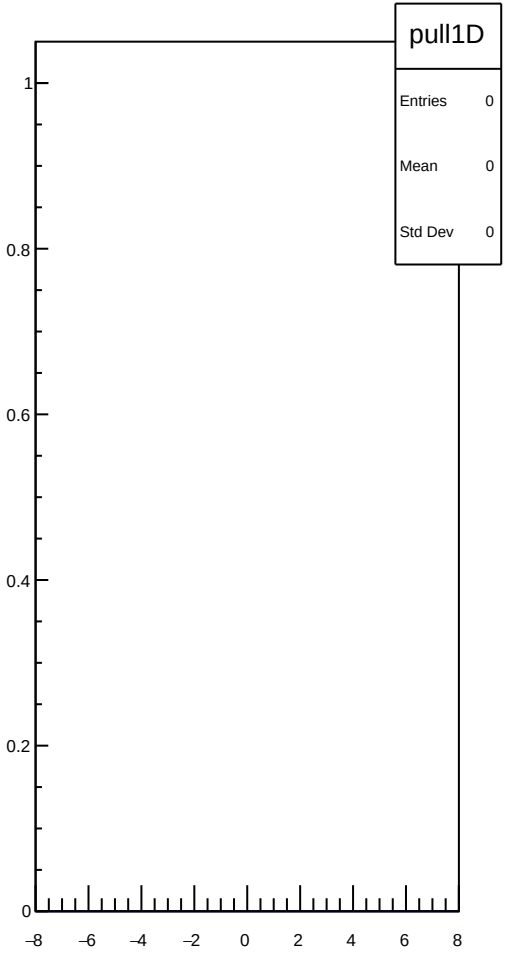
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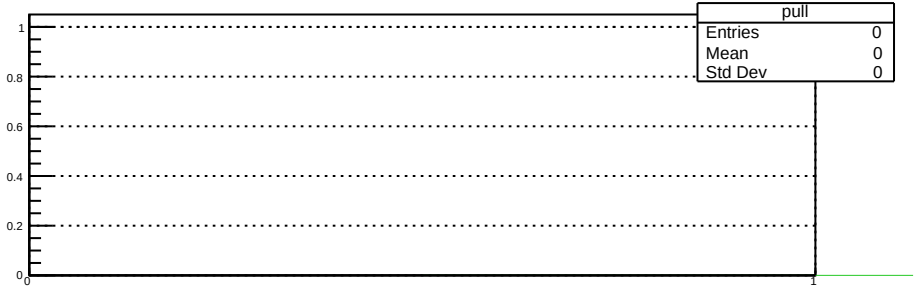
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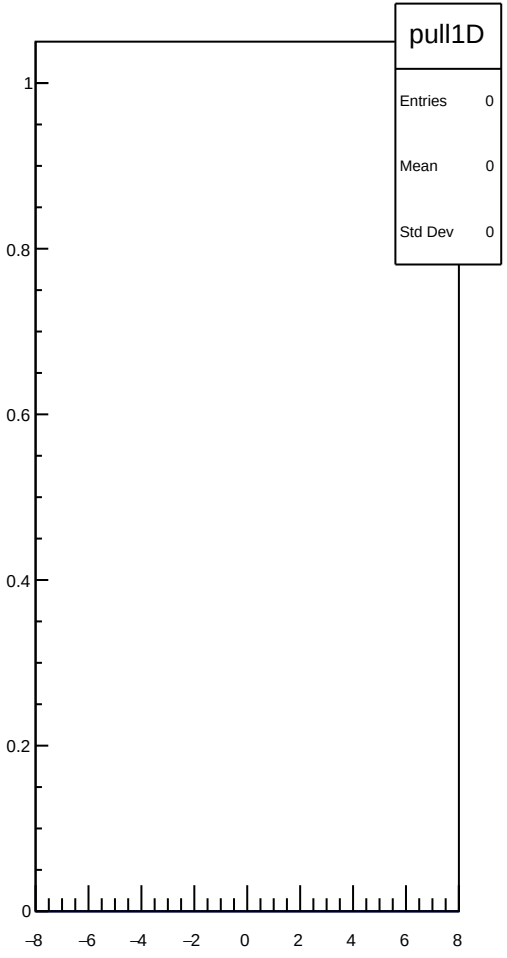
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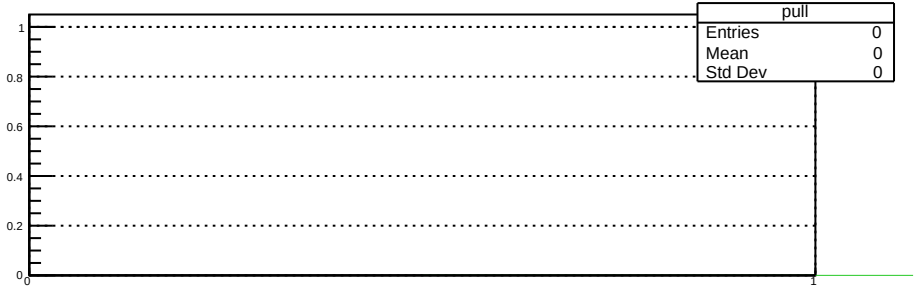
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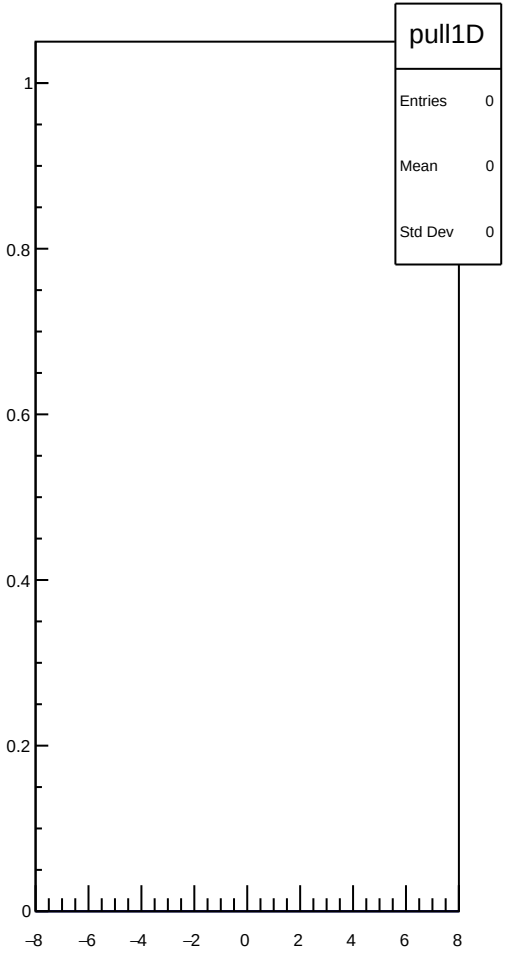
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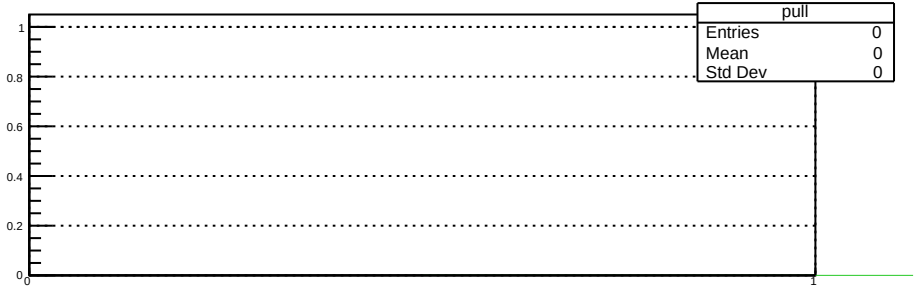
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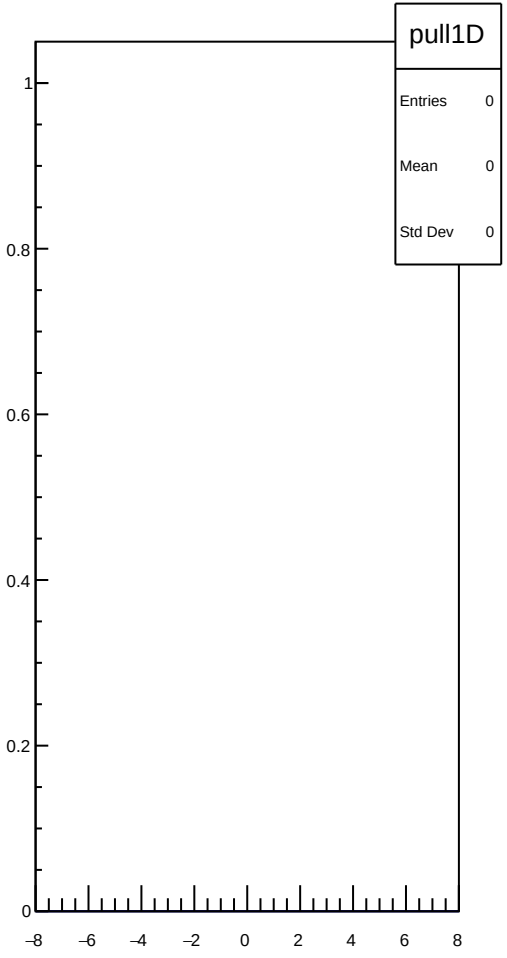
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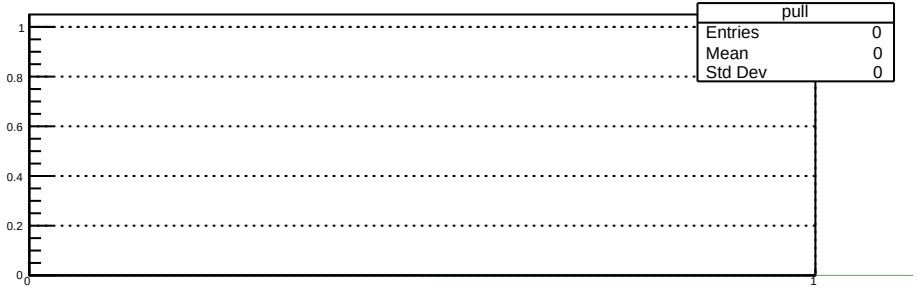
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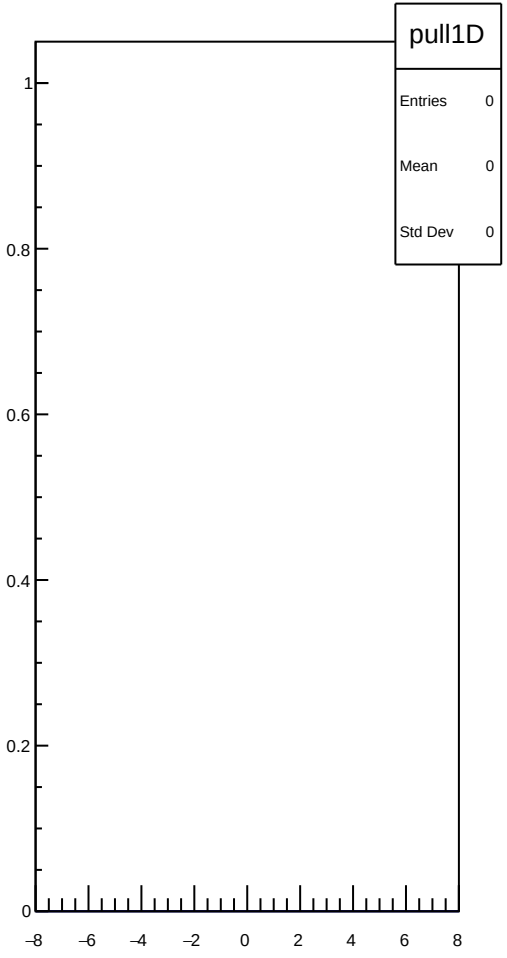
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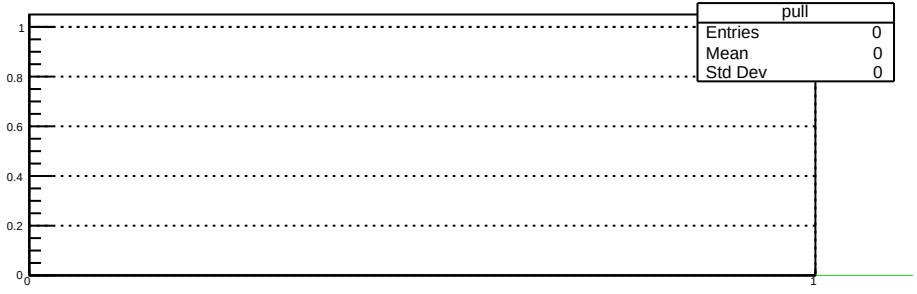
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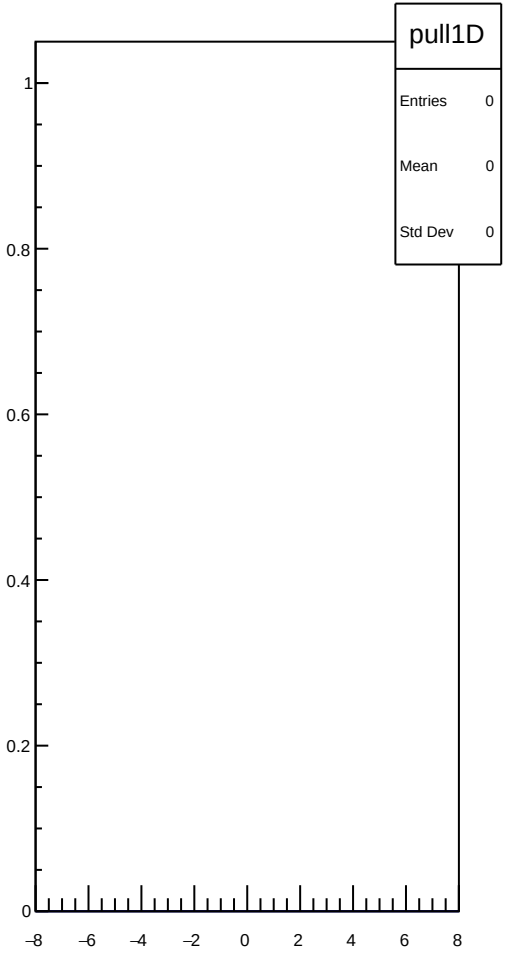
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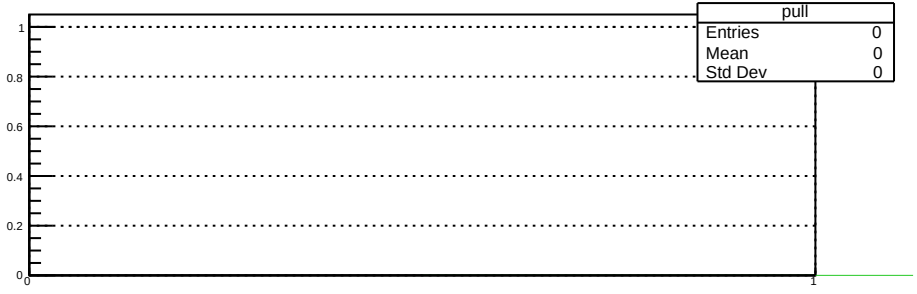
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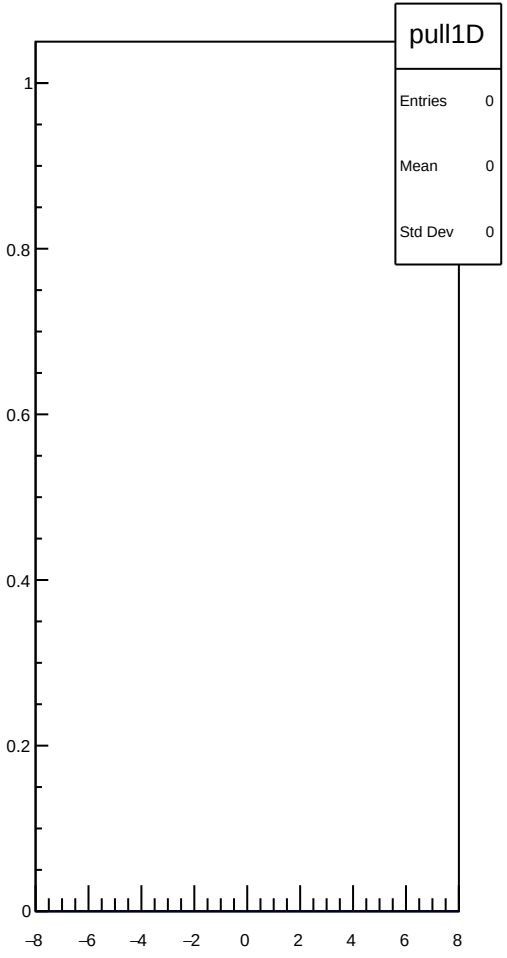
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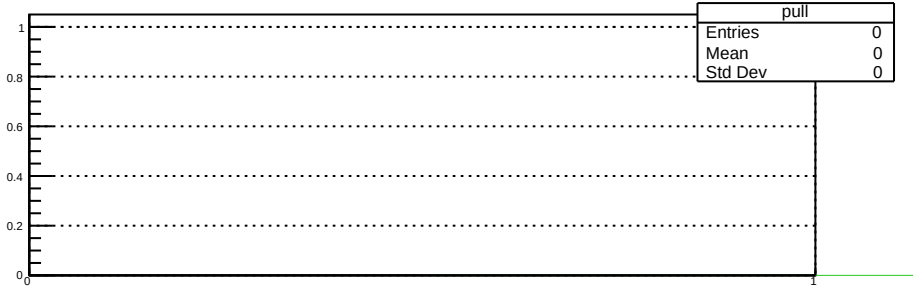
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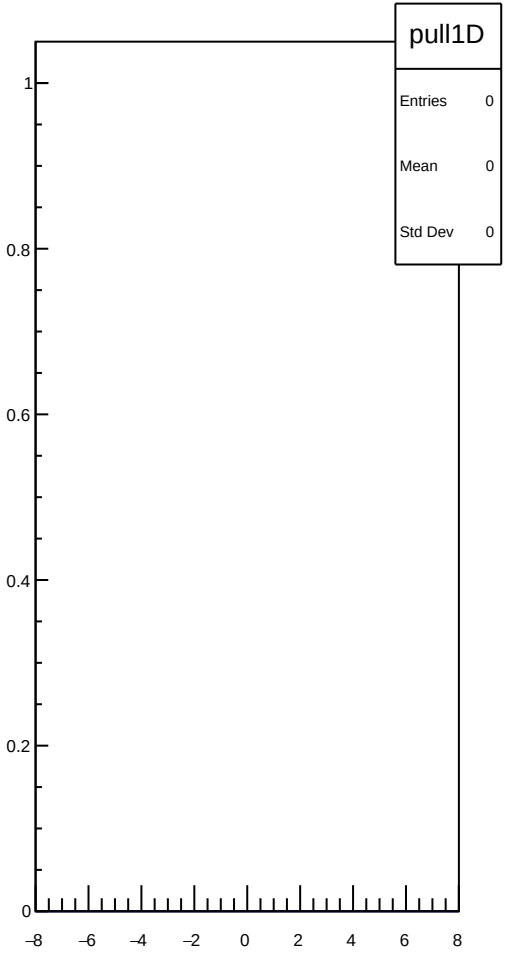
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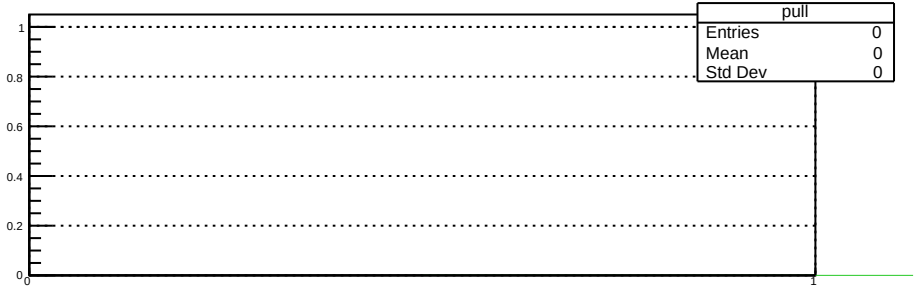
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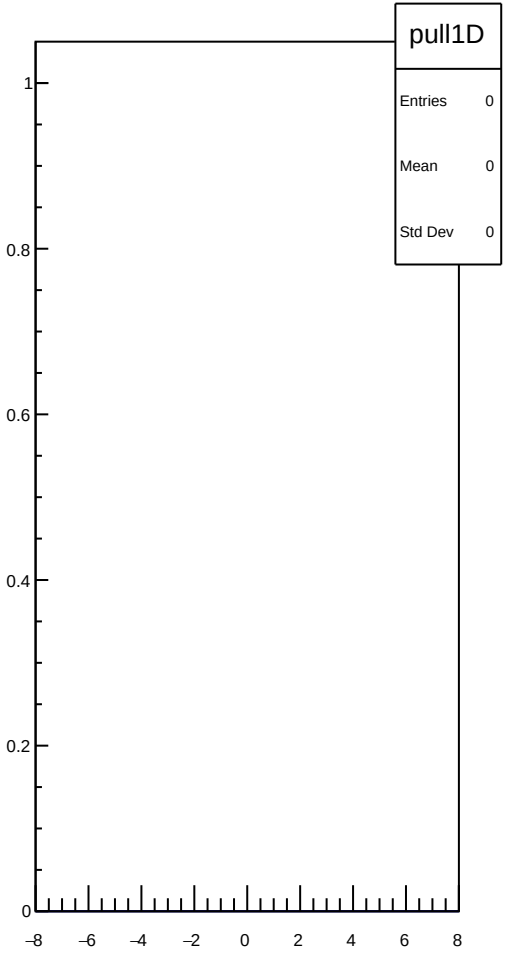
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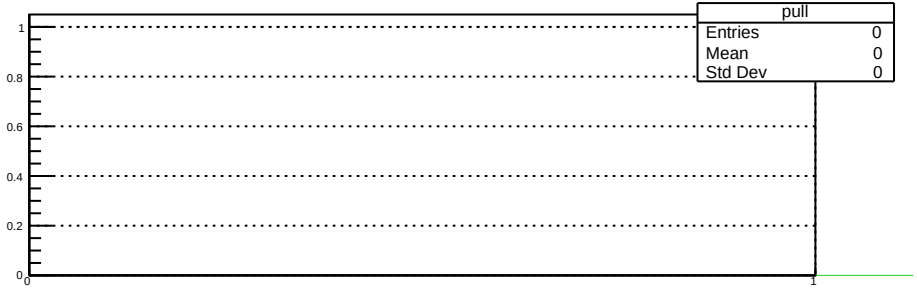
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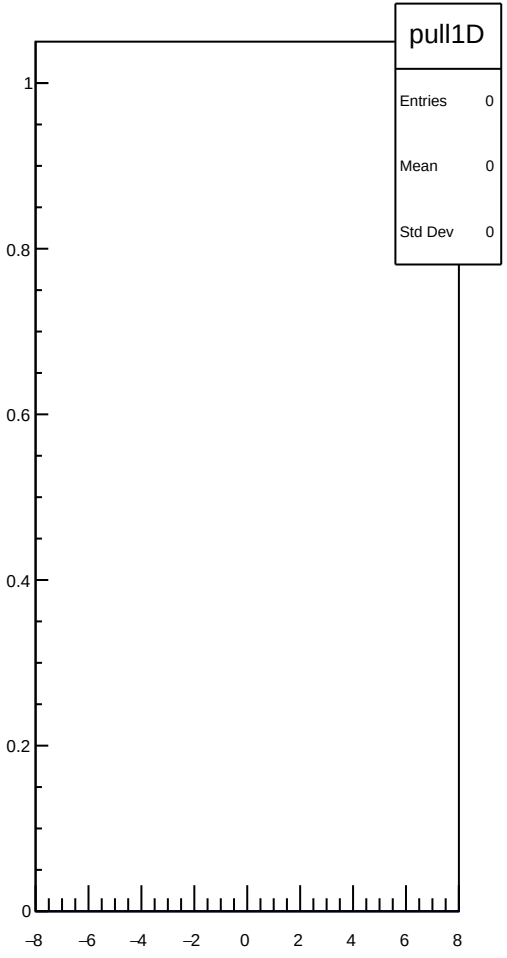
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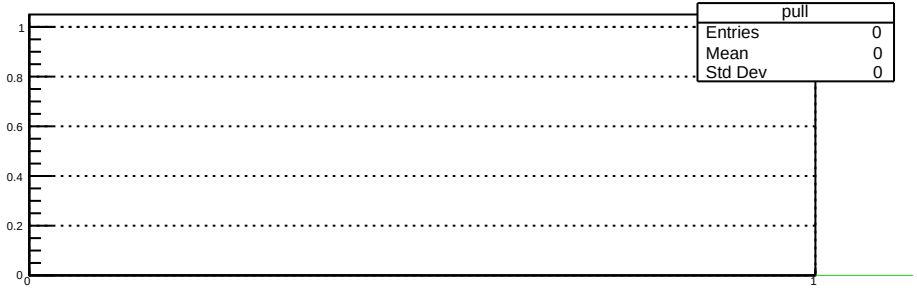
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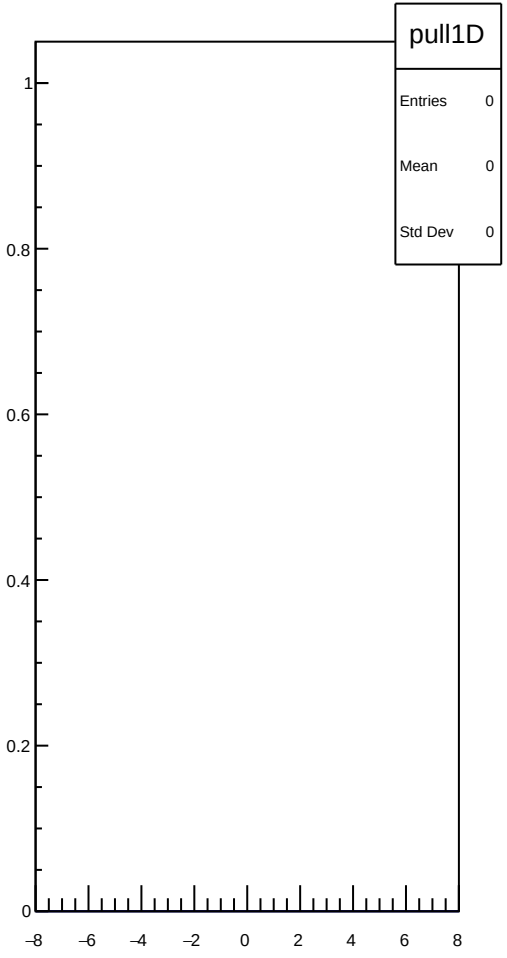
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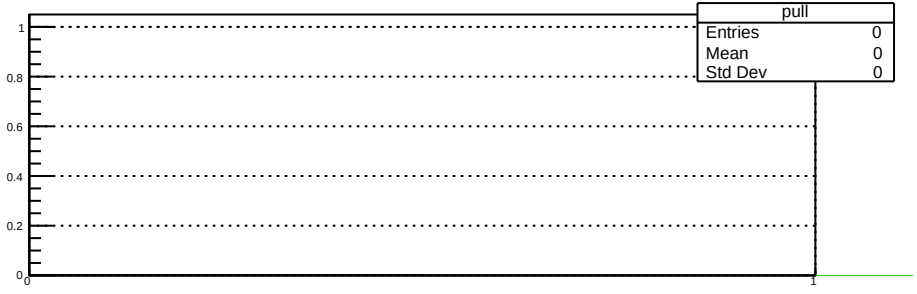
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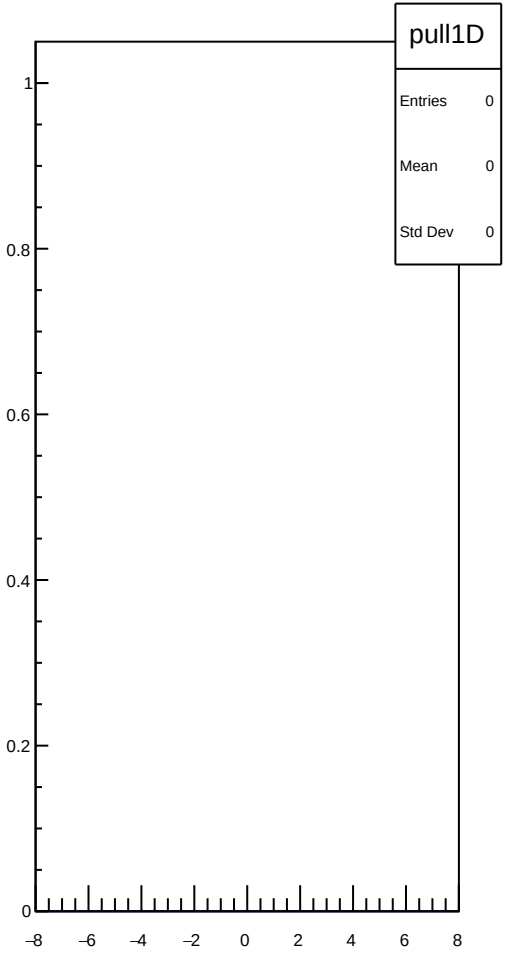
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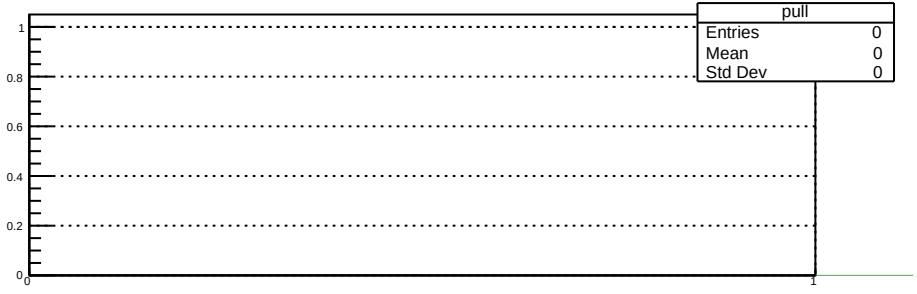
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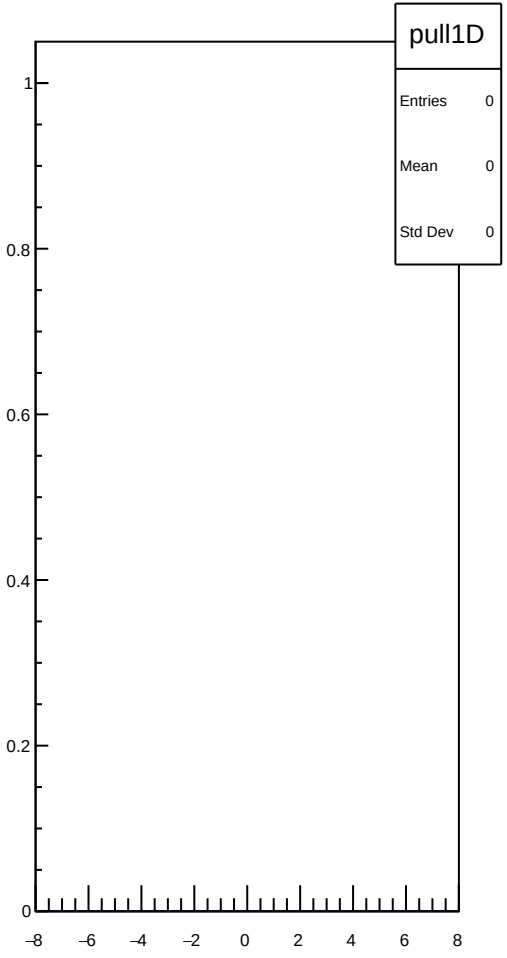
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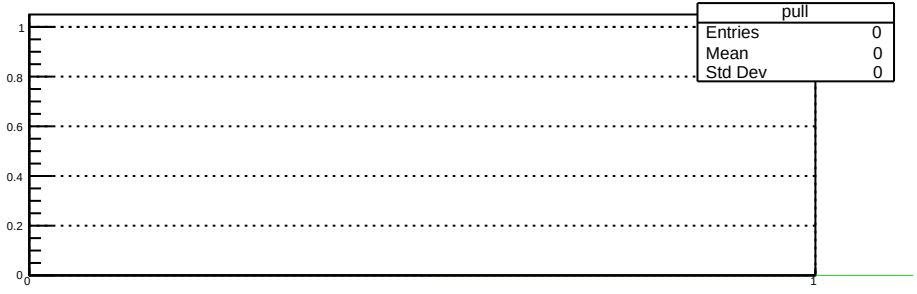
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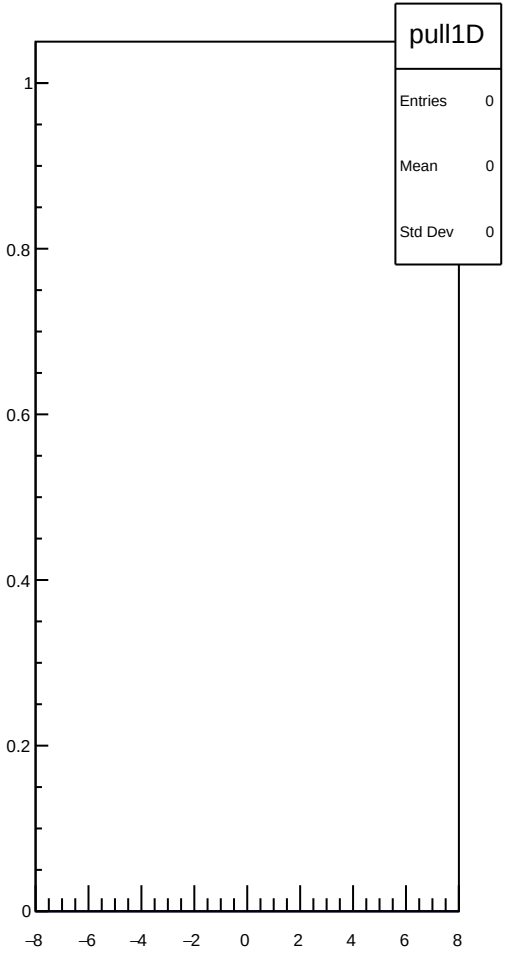
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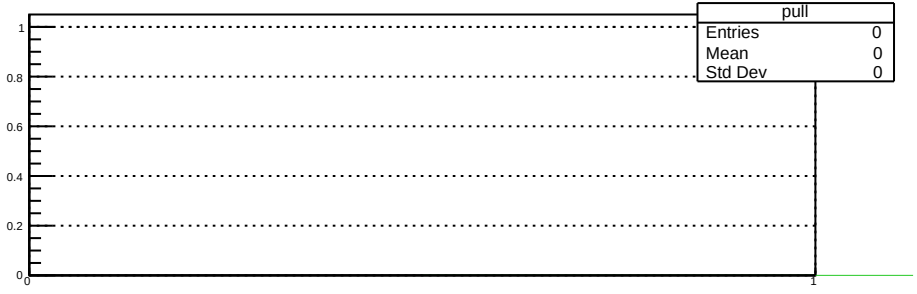
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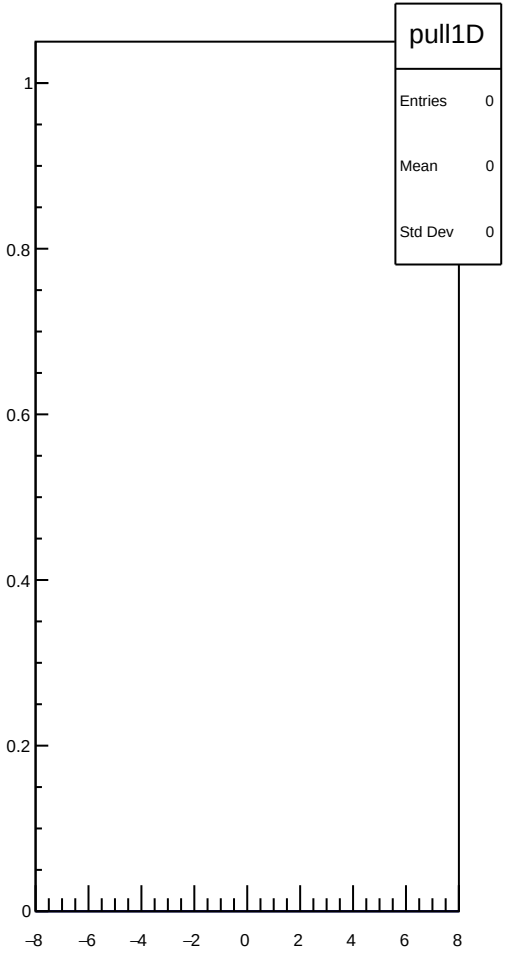
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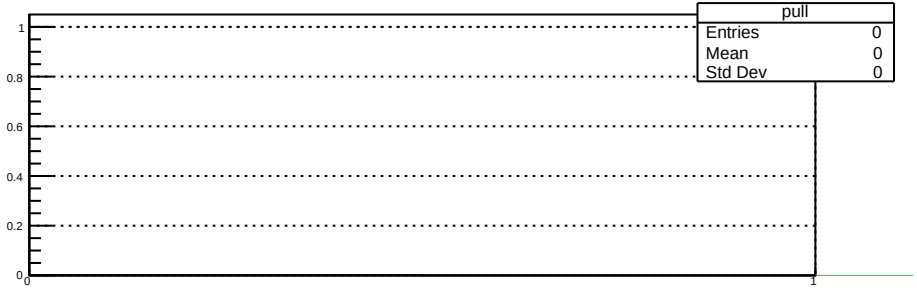
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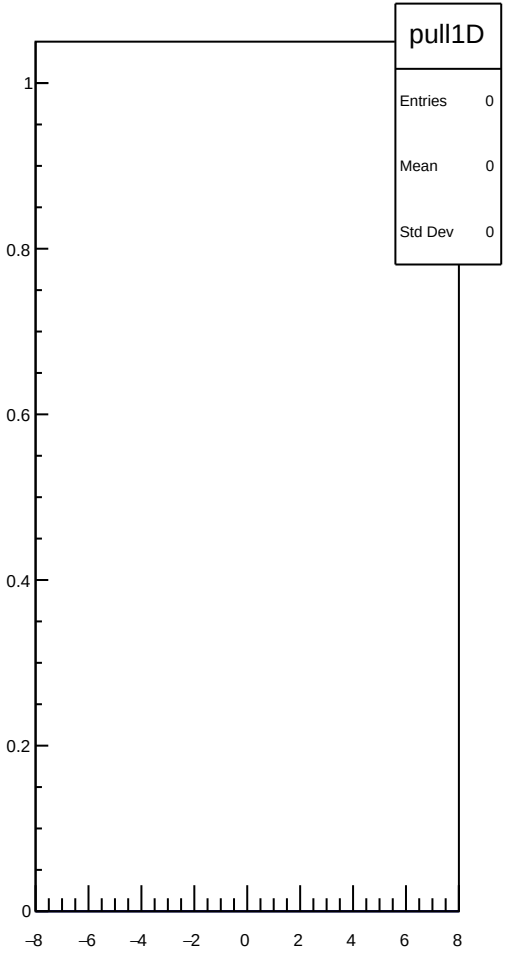
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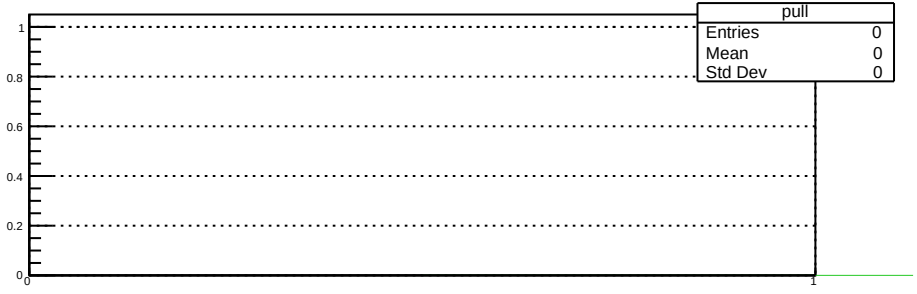
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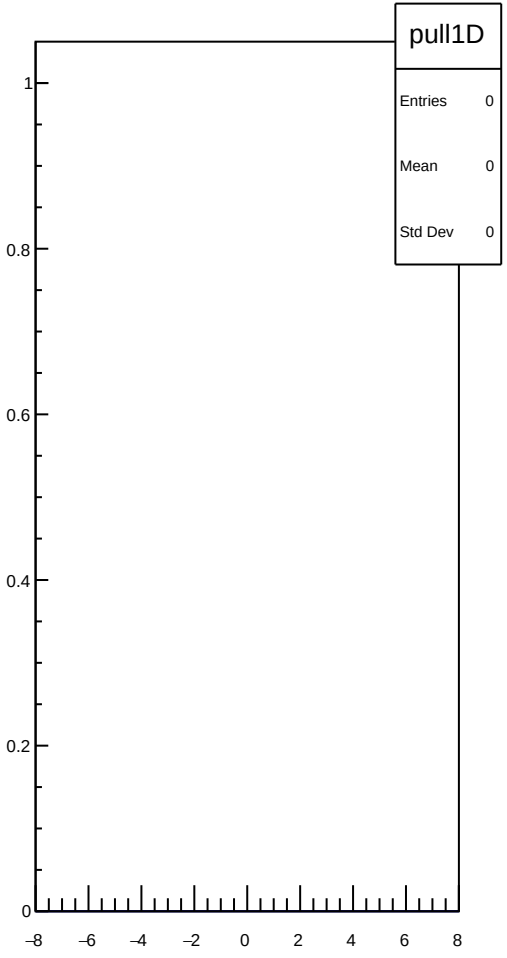
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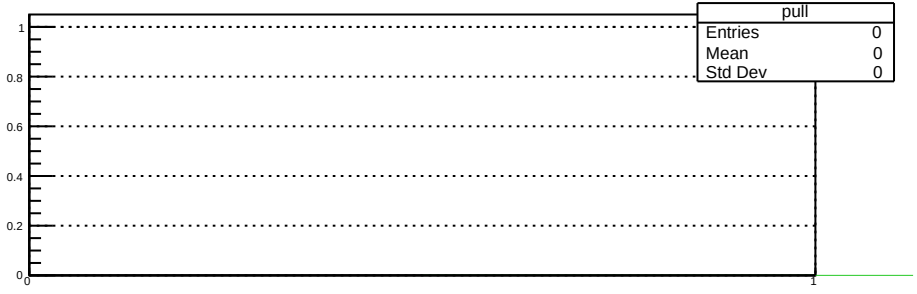
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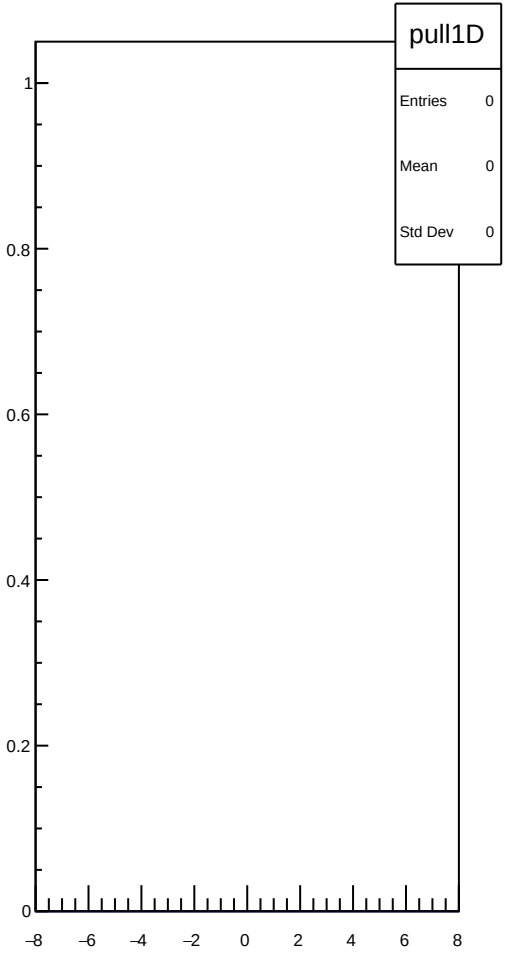
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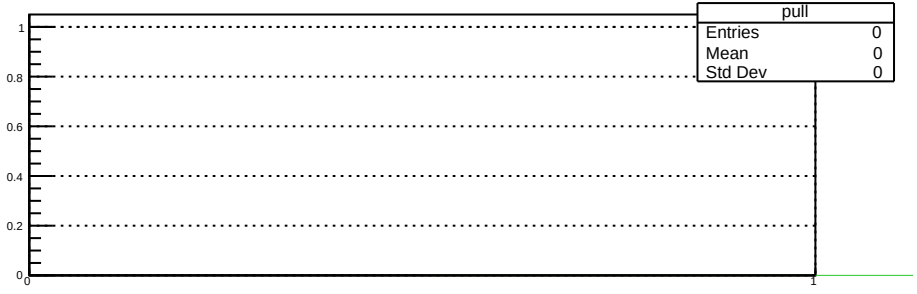
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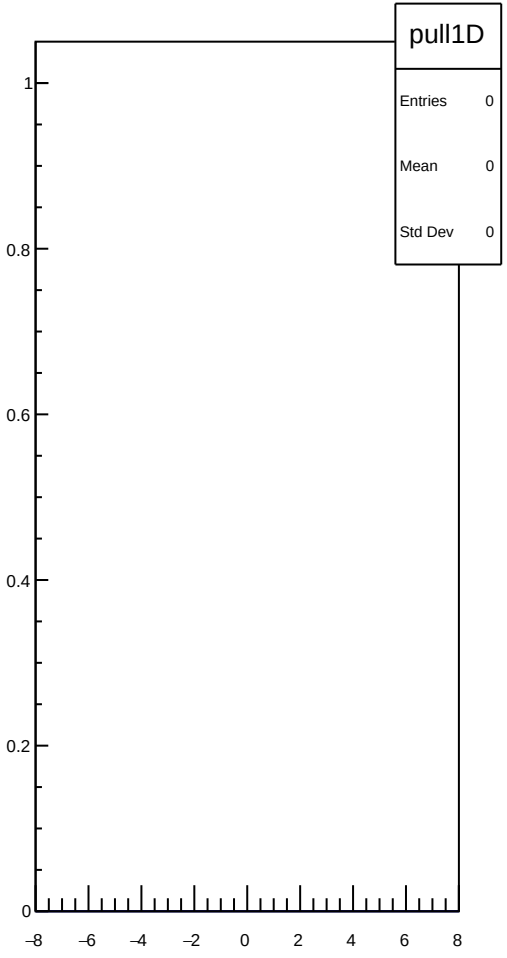
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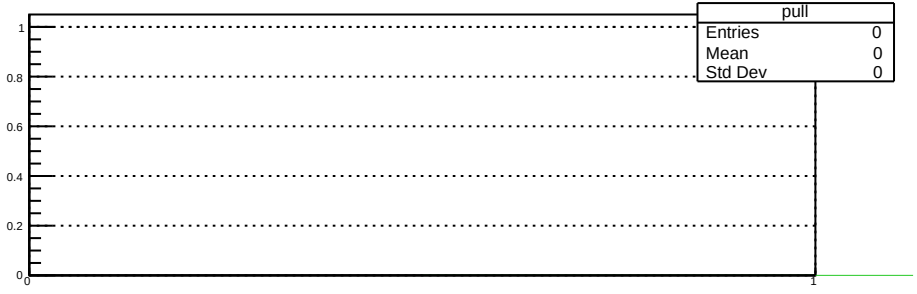
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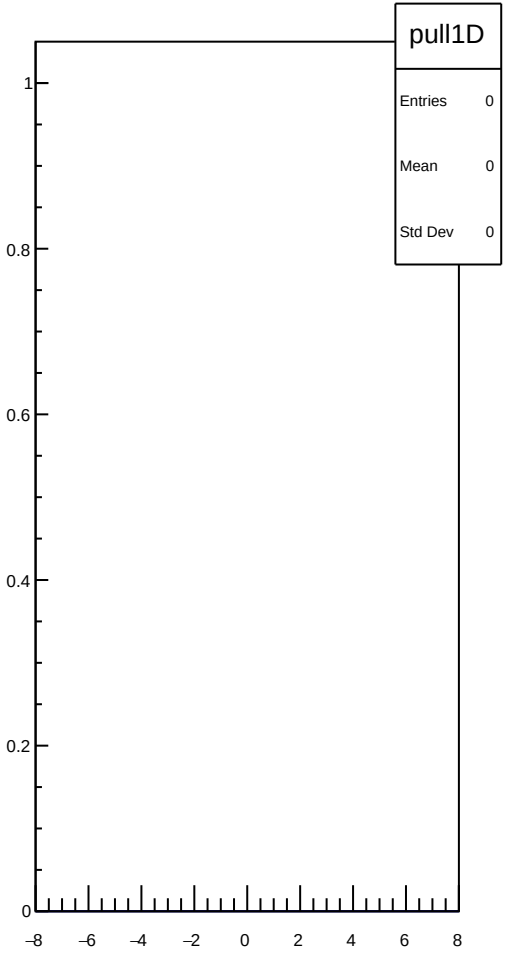
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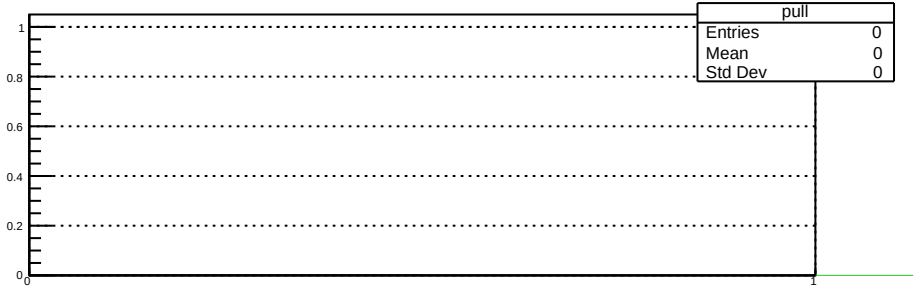
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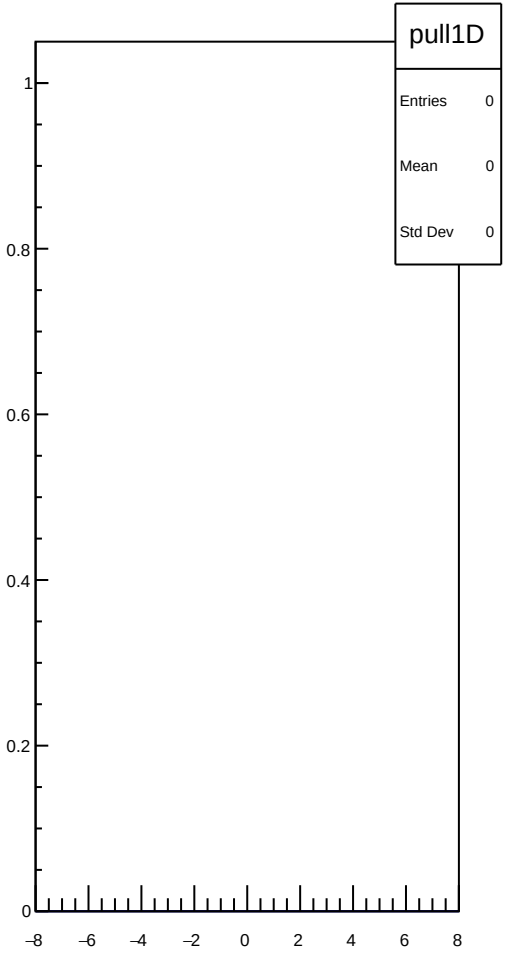
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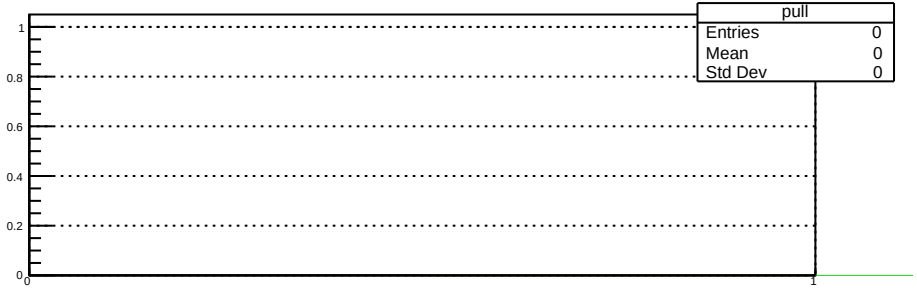
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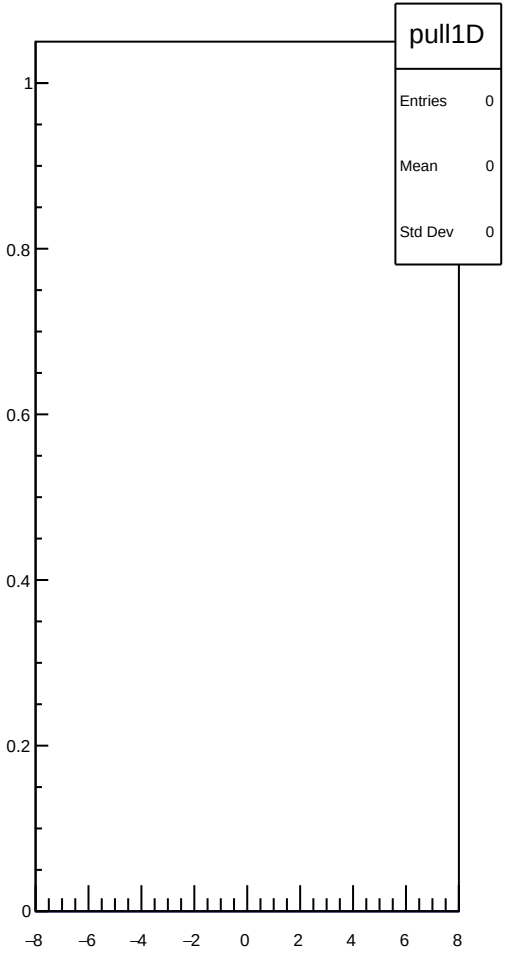
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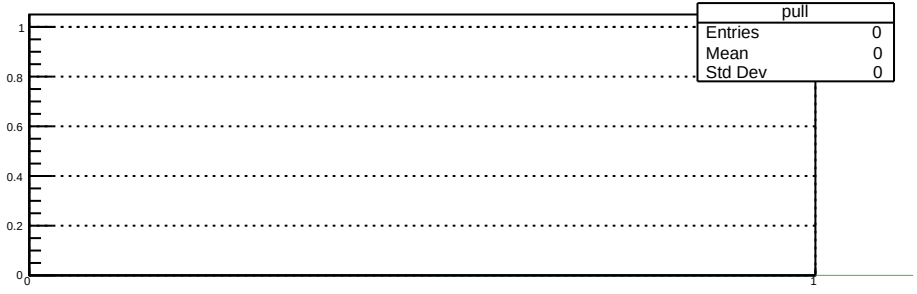
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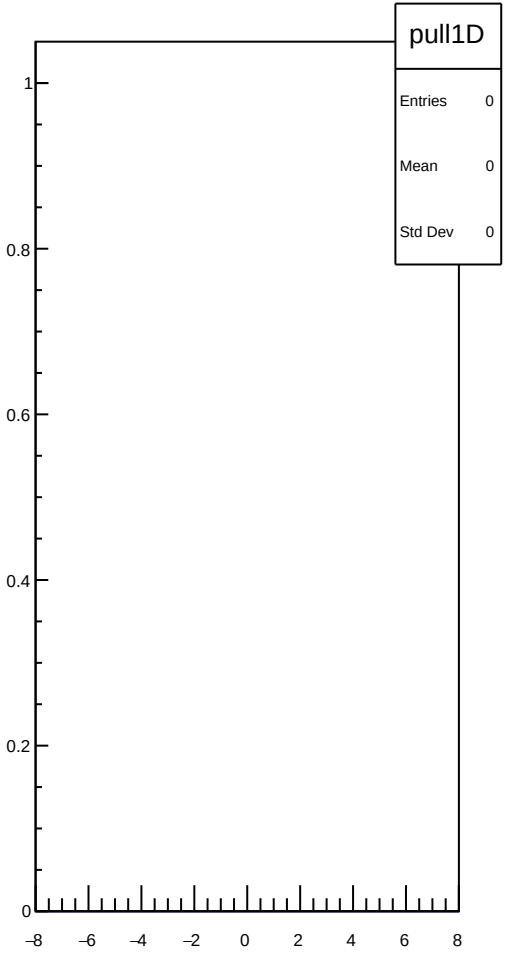
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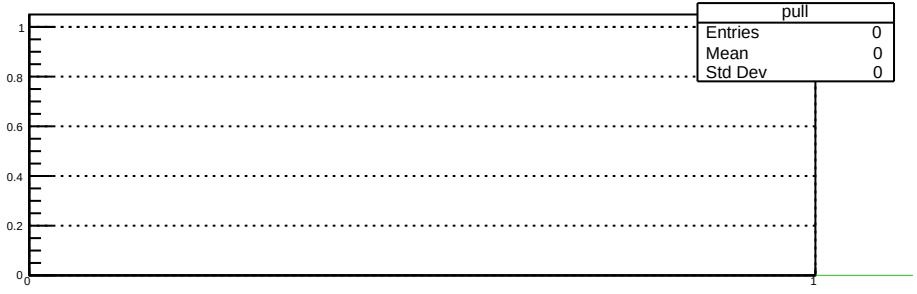
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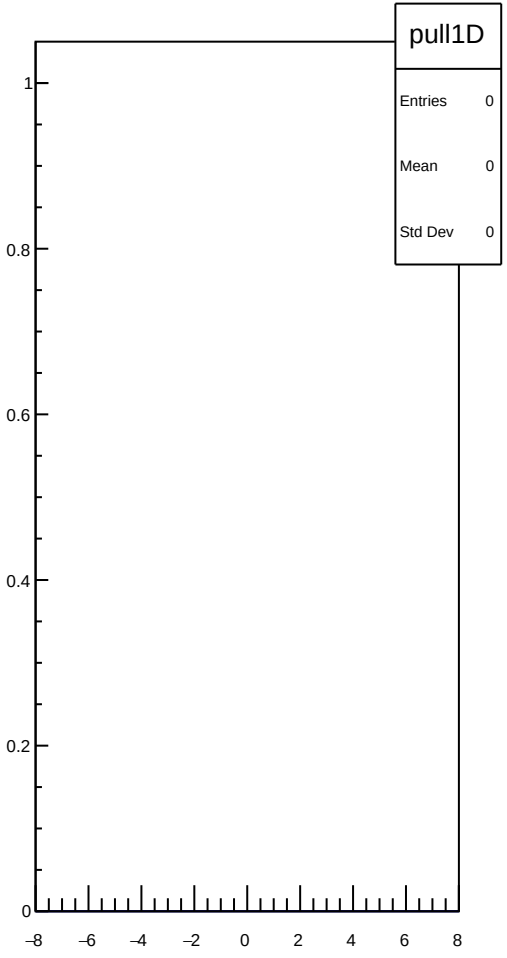
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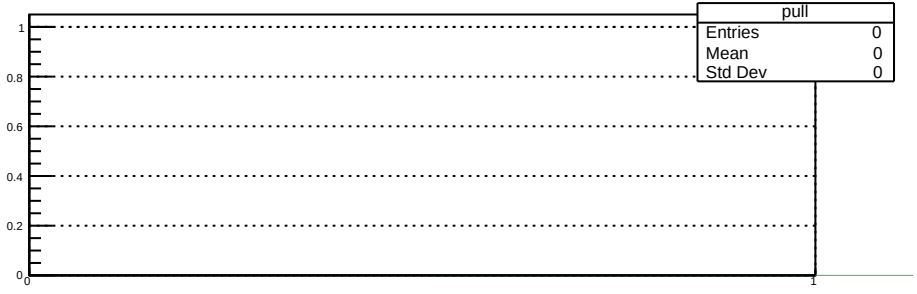
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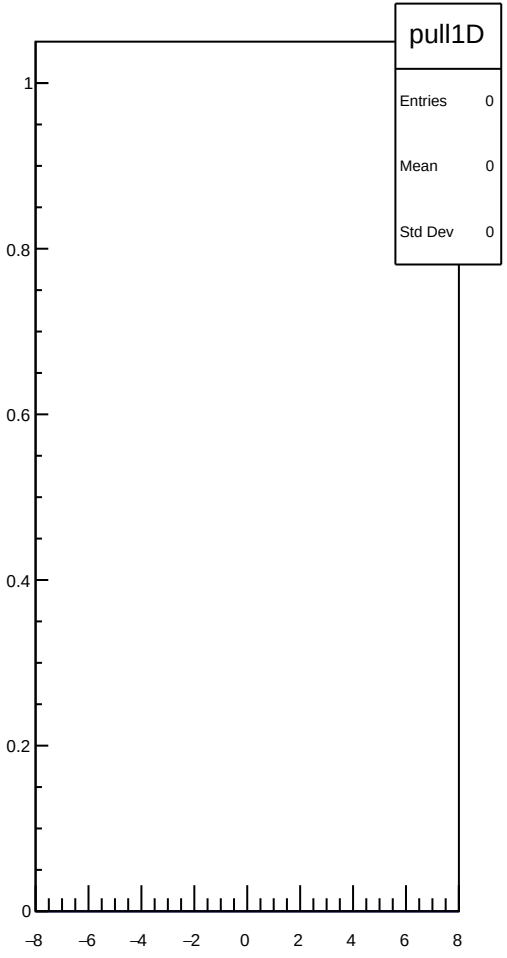
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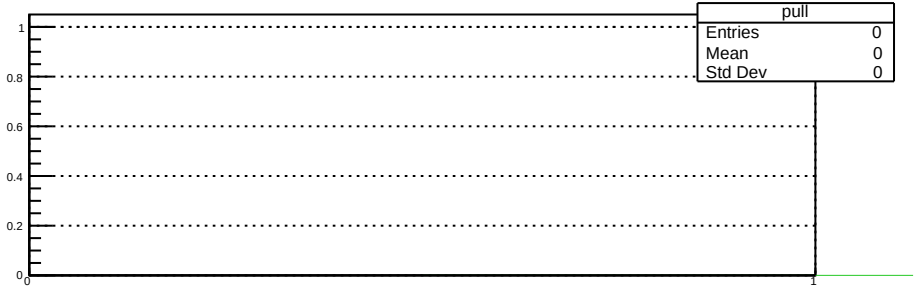
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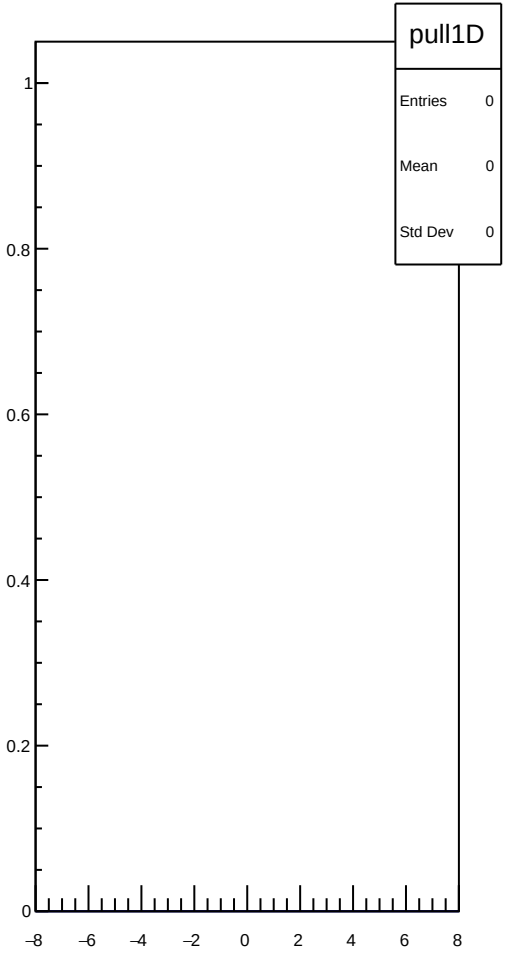
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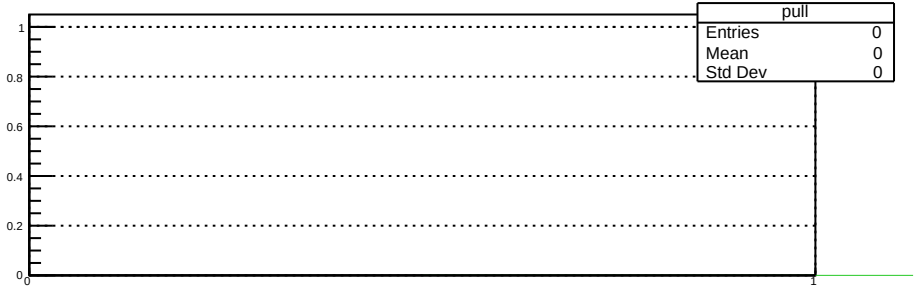
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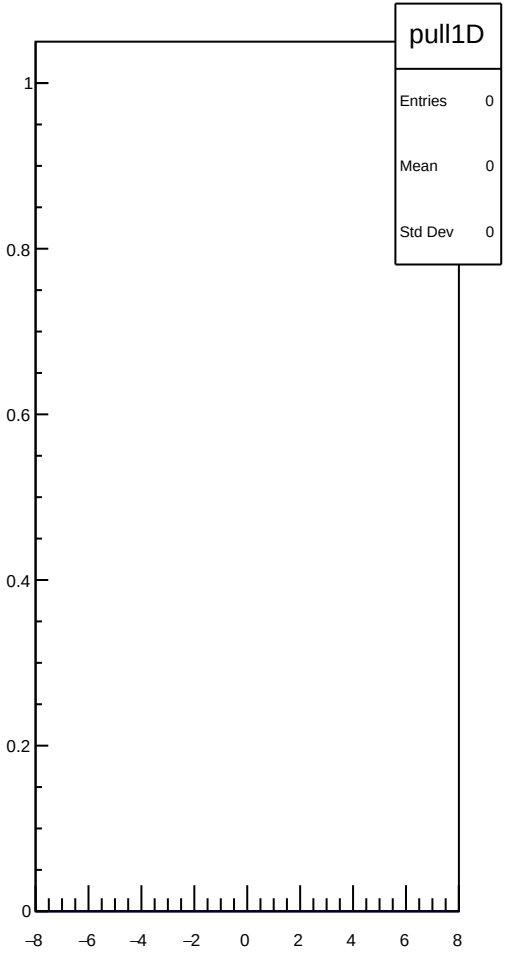
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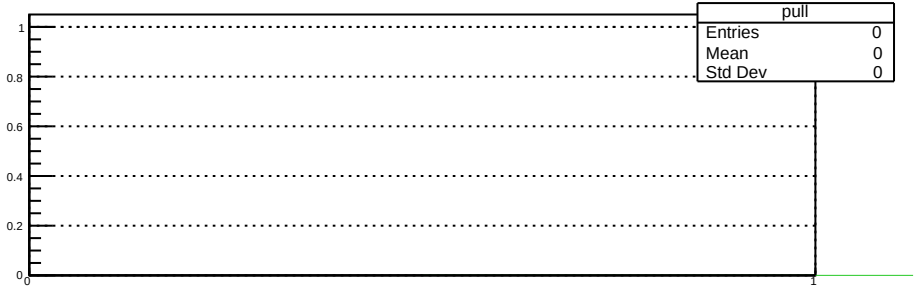
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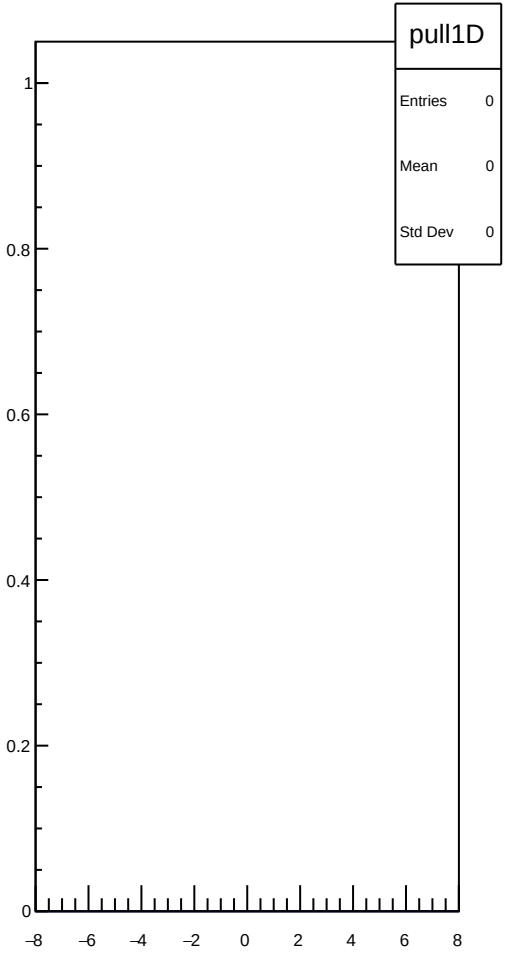
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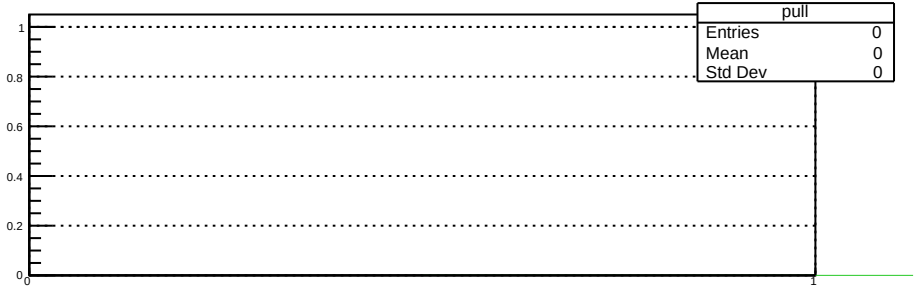
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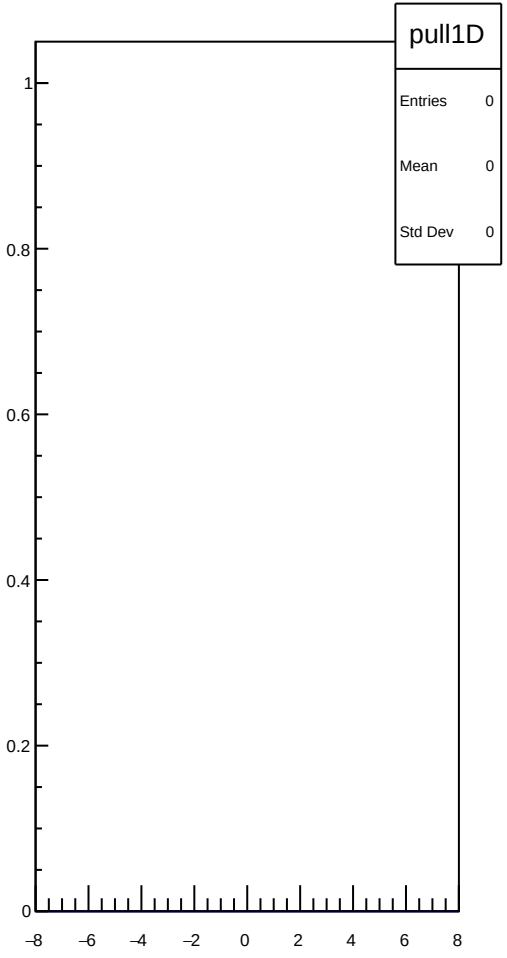
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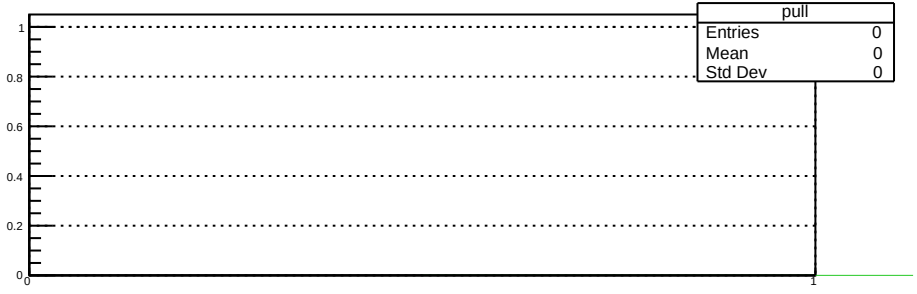
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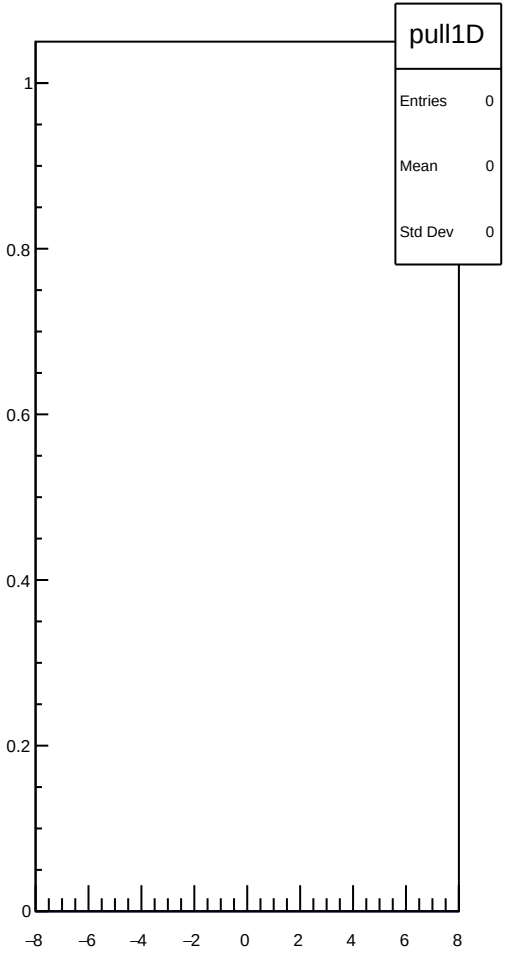
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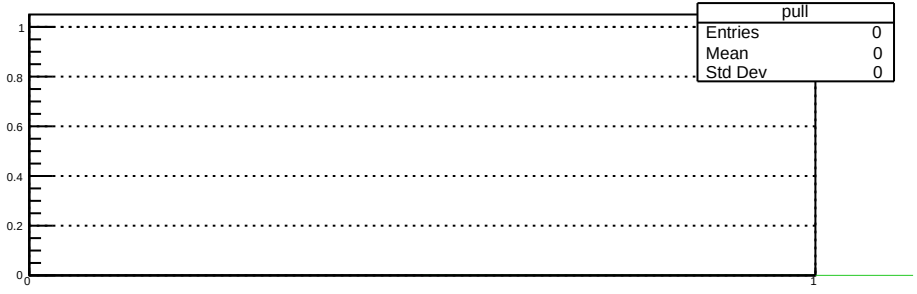
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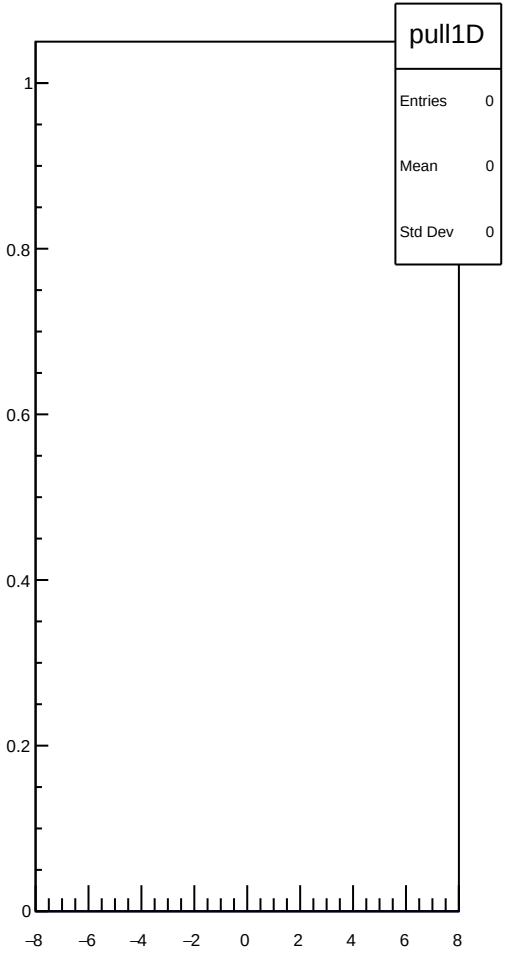
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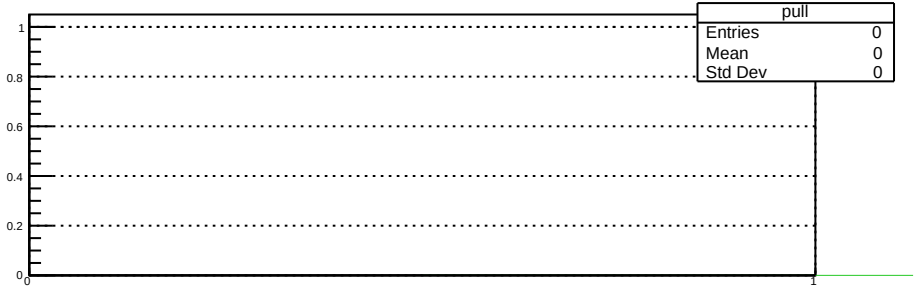
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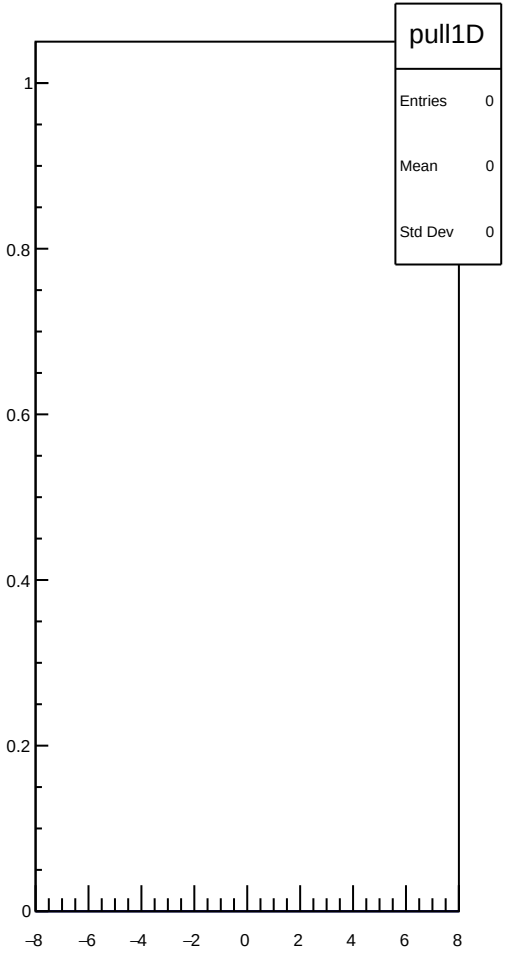
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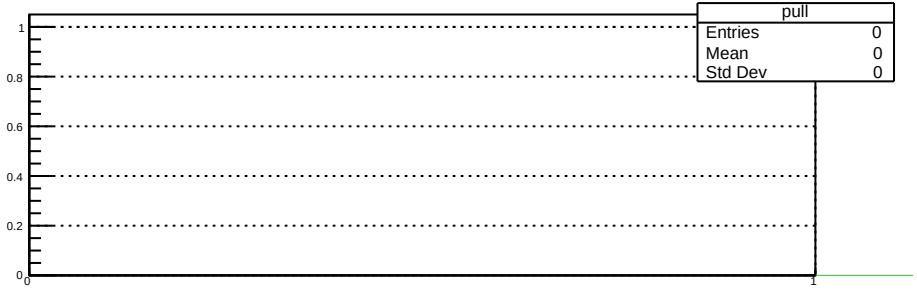
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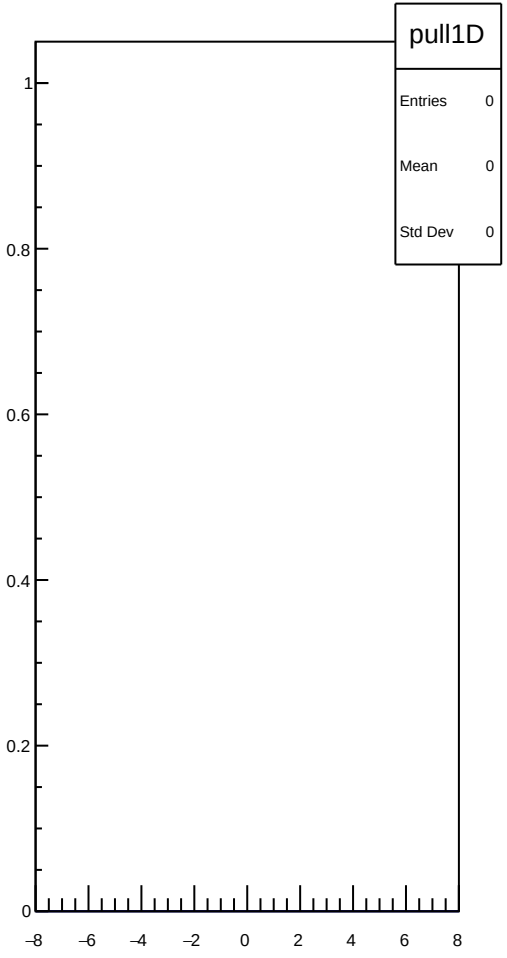
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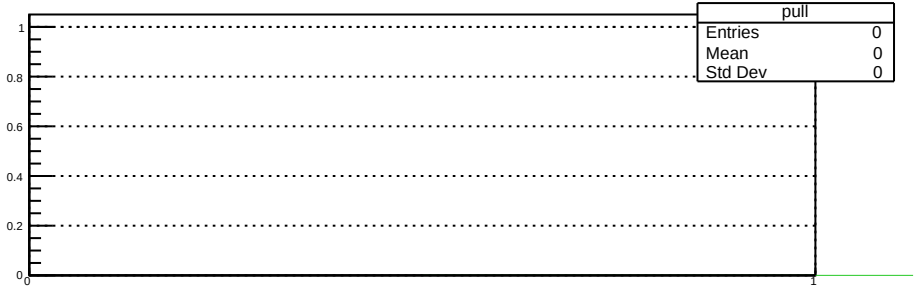
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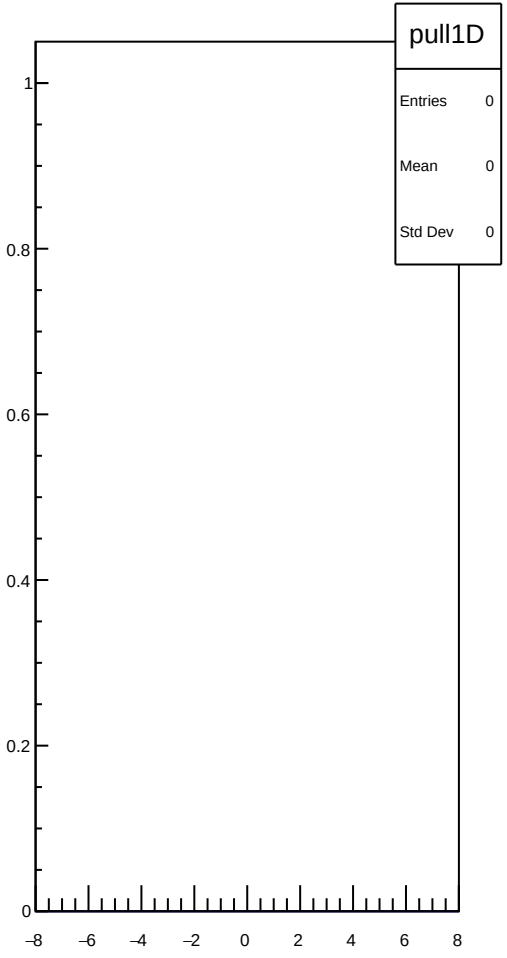
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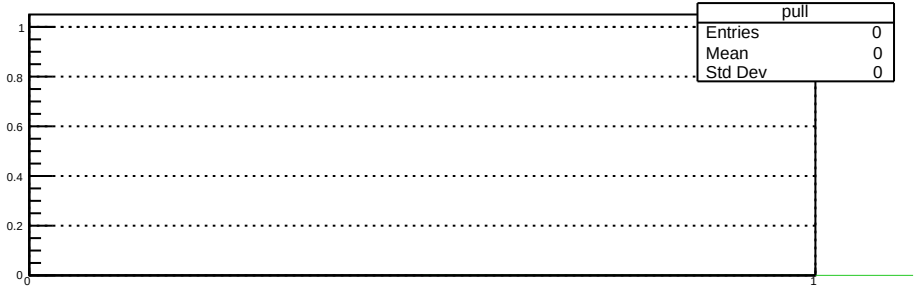
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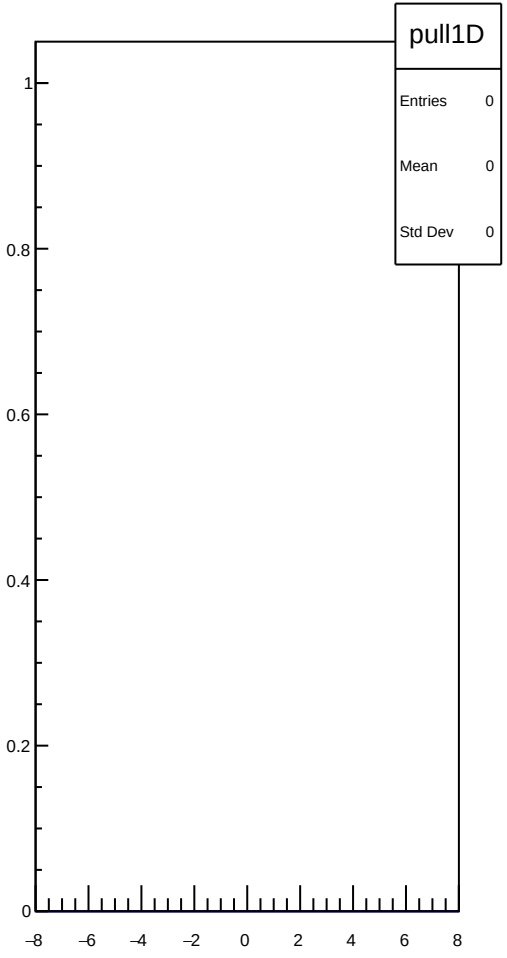
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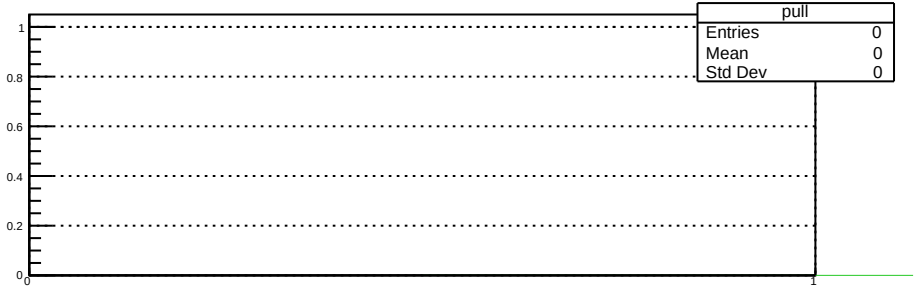
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Std Dev 0
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0
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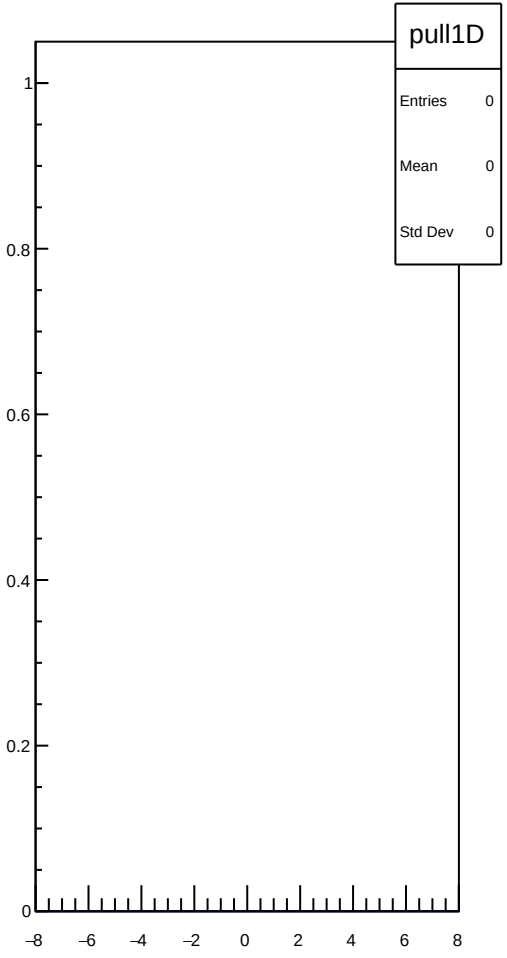
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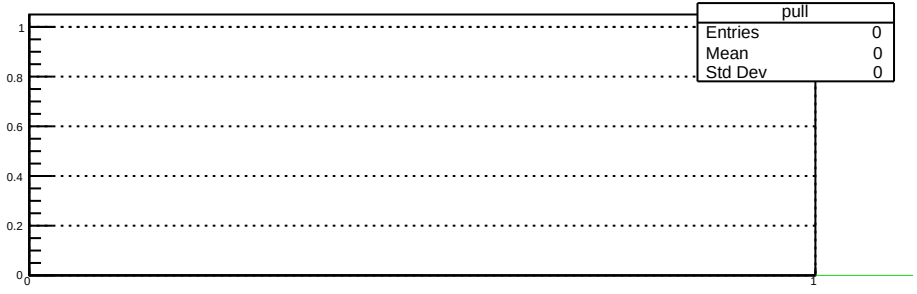
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Std Dev 0
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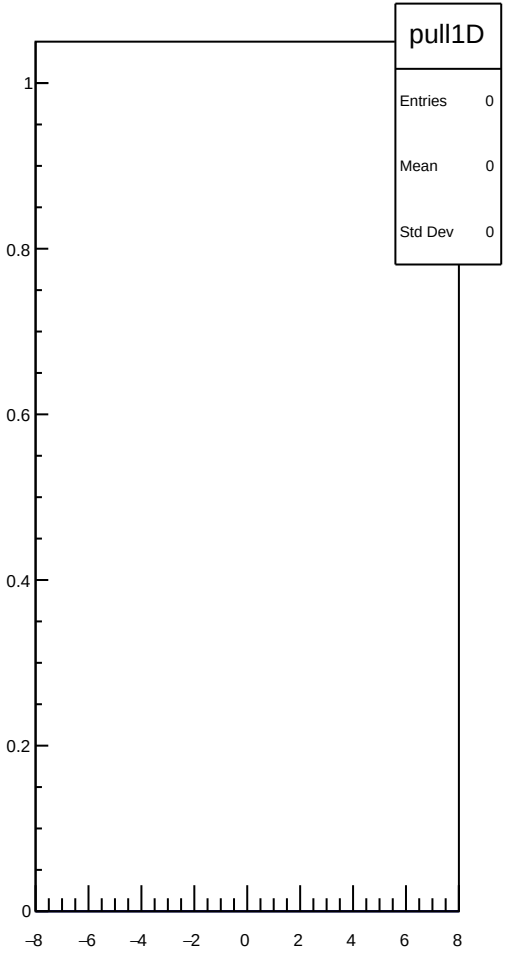
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Std Dev 0
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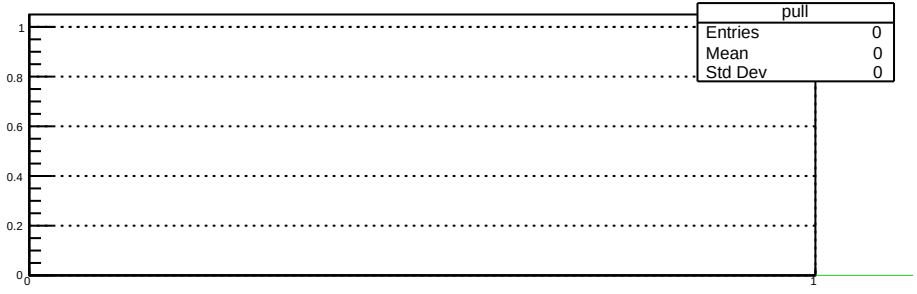
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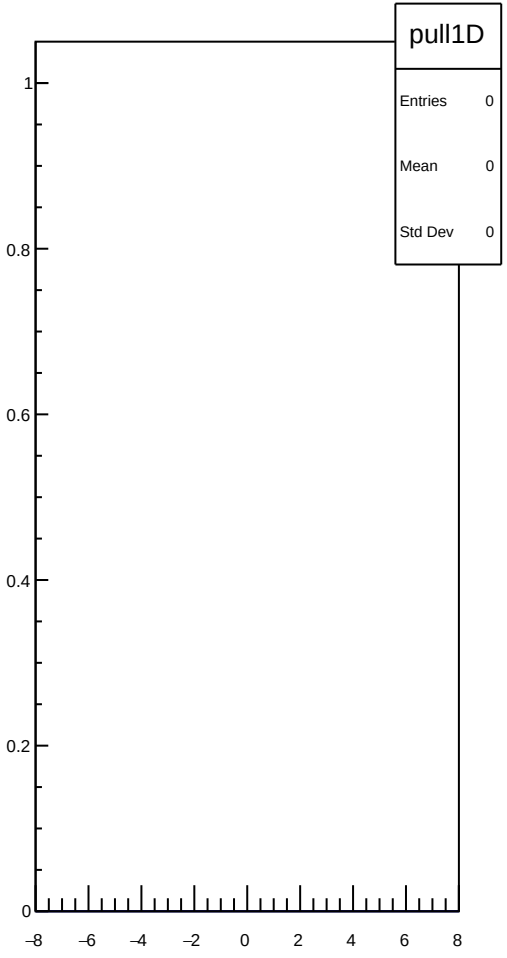
pull1D
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Std Dev 0
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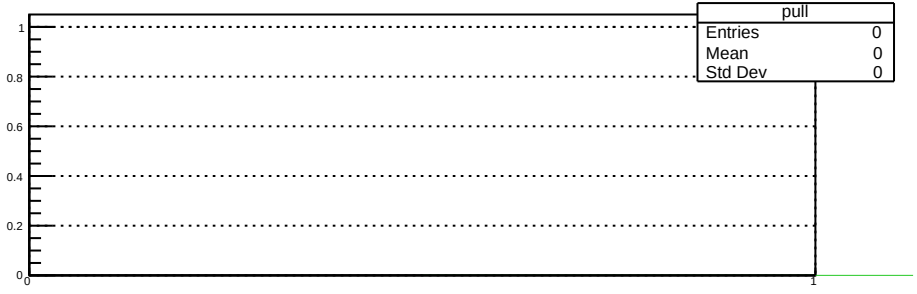
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Std Dev 0
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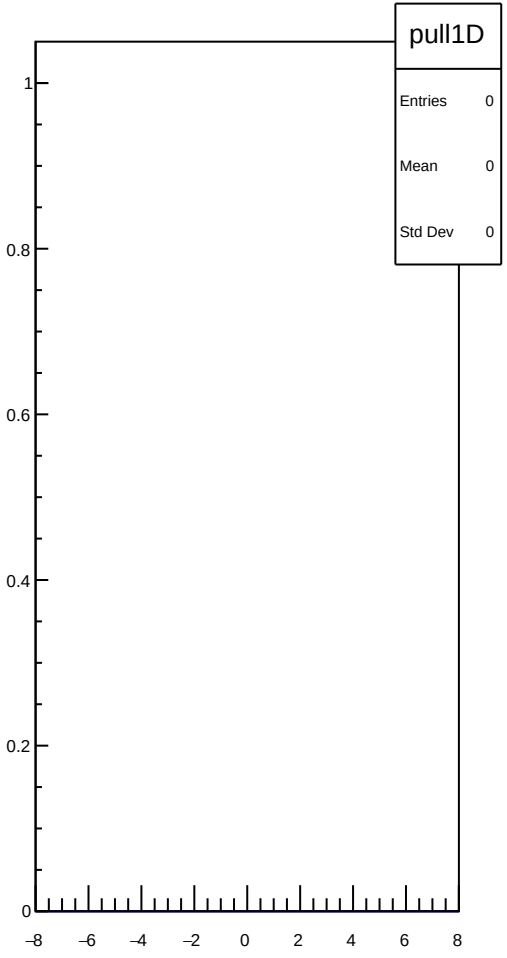
pull1D
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Std Dev 0
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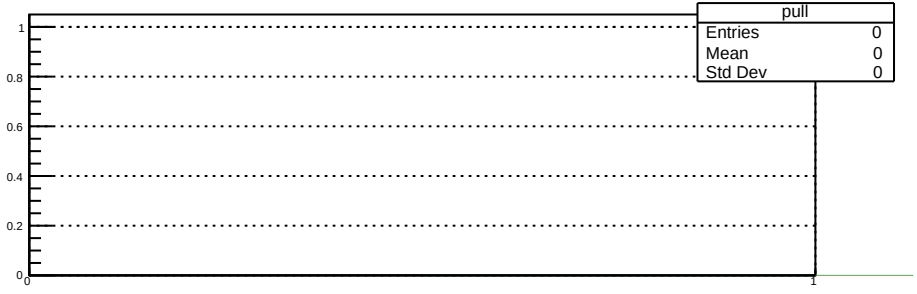
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Std Dev 0
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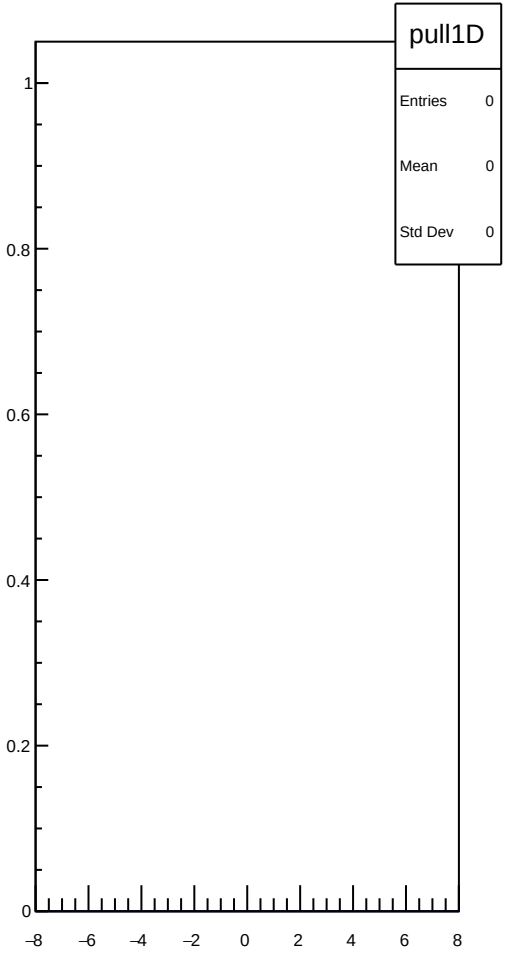
pull1D
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Std Dev 0
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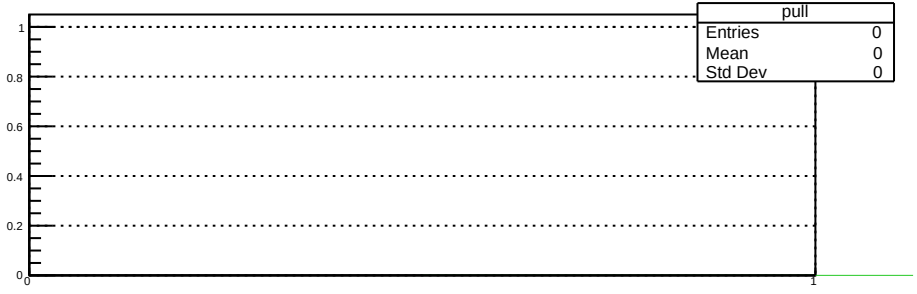
pull
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Mean 0
Std Dev 0
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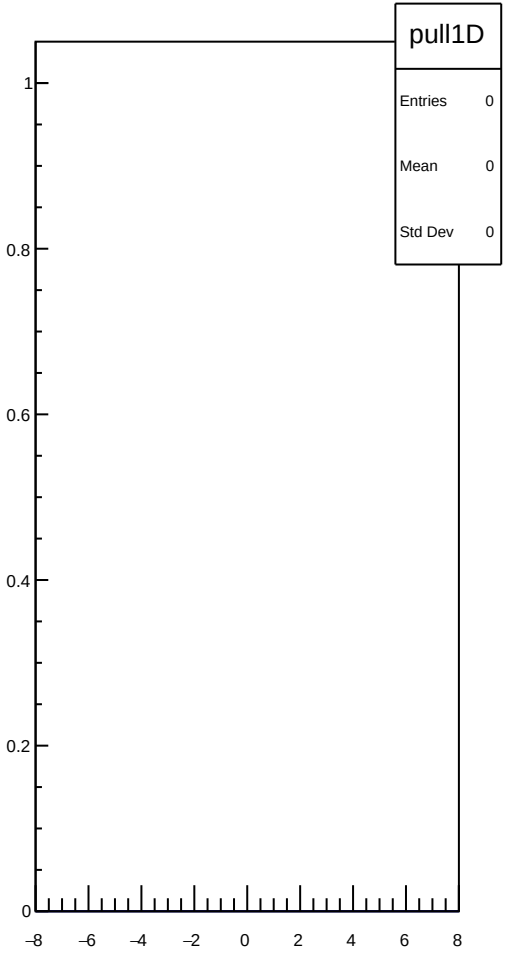
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Entries 0
Mean 0
Std Dev 0
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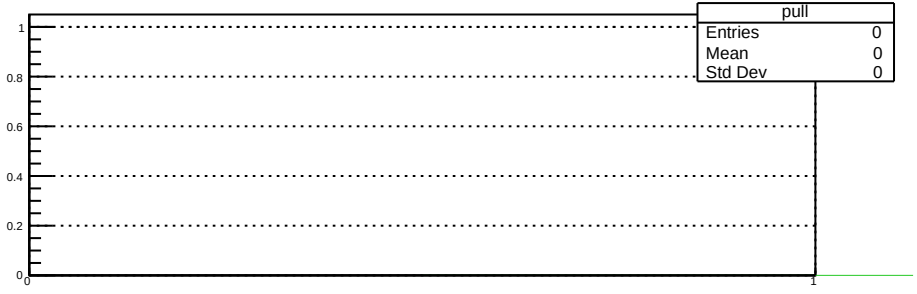
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Mean 0
Std Dev 0
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0.6
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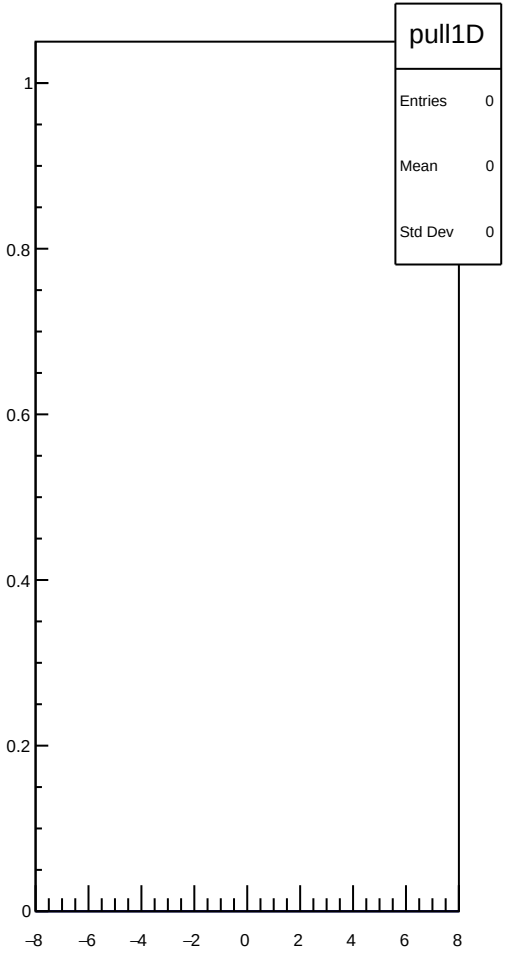
pull1D
Entries 0
Mean 0
Std Dev 0
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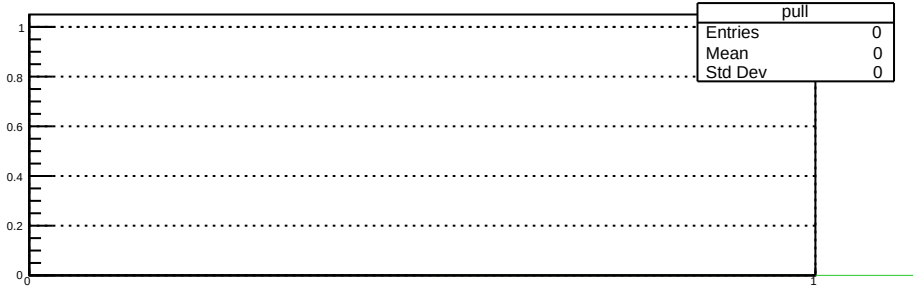
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Std Dev 0
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0.6
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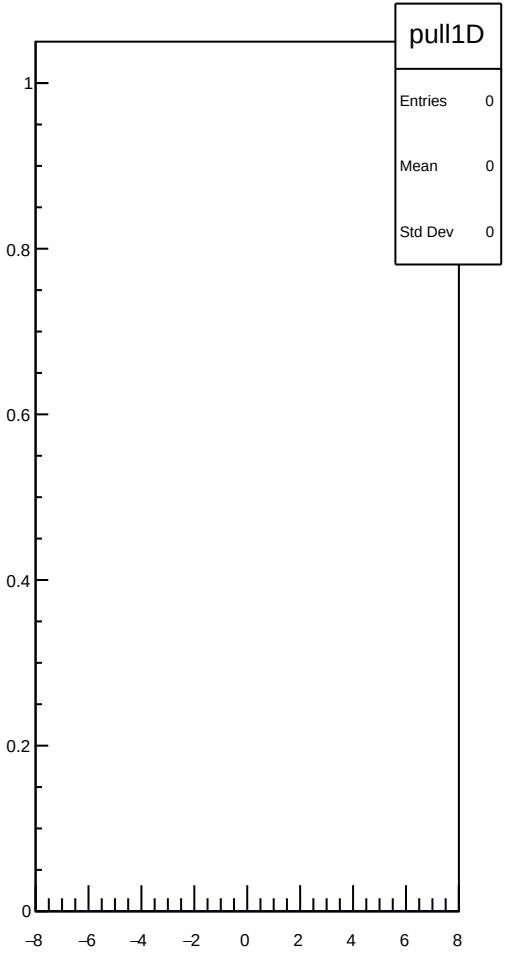
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Std Dev 0
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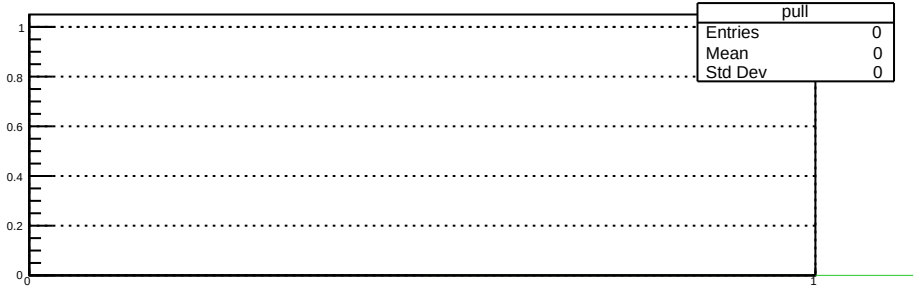
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Mean 0
Std Dev 0
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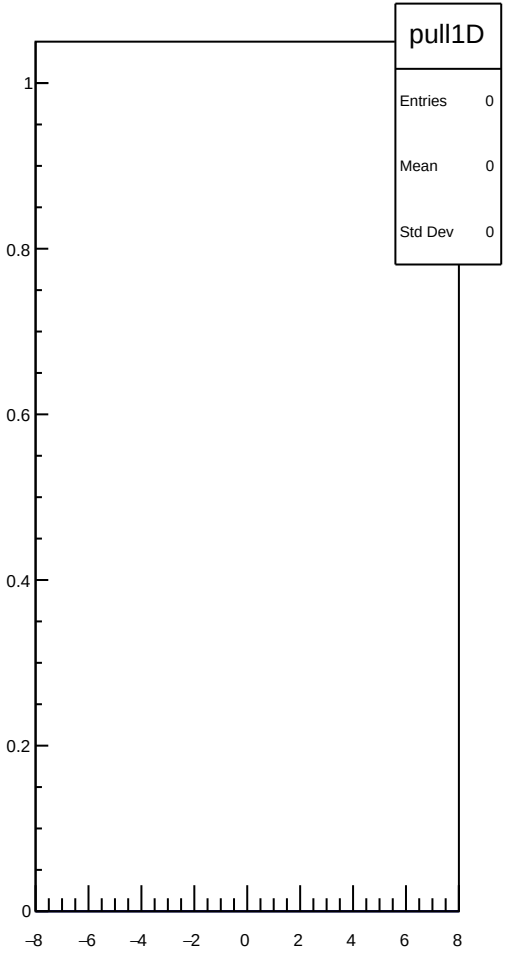
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Entries 0
Mean 0
Std Dev 0
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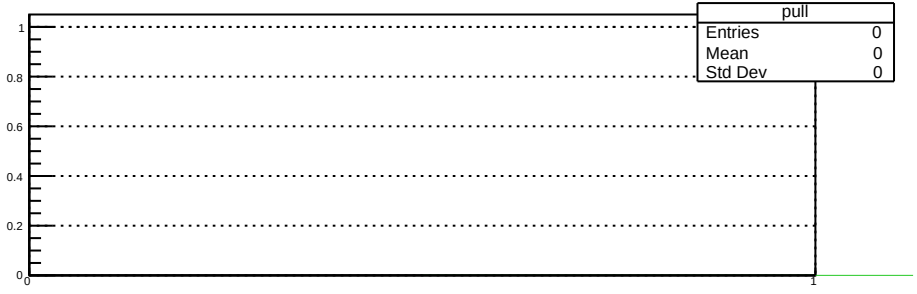
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Mean 0
Std Dev 0
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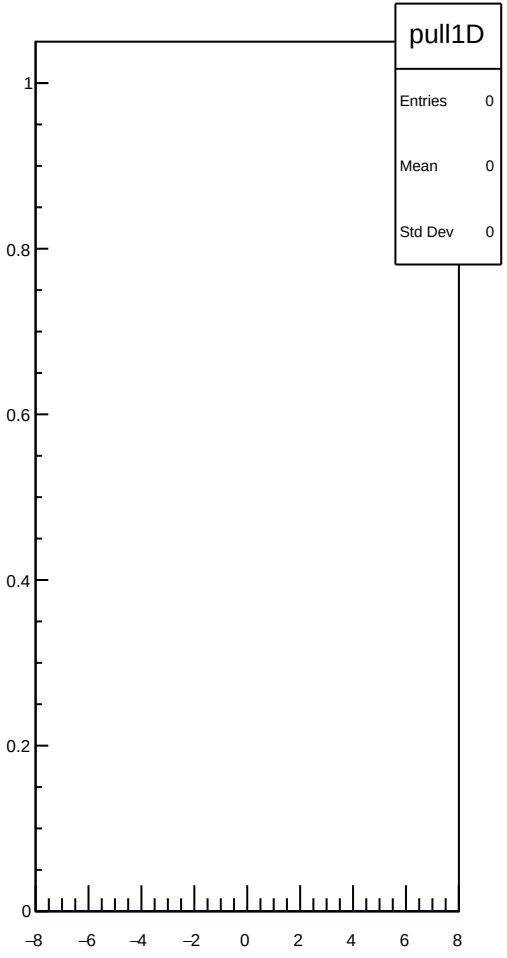
pull1D
Entries 0
Mean 0
Std Dev 0
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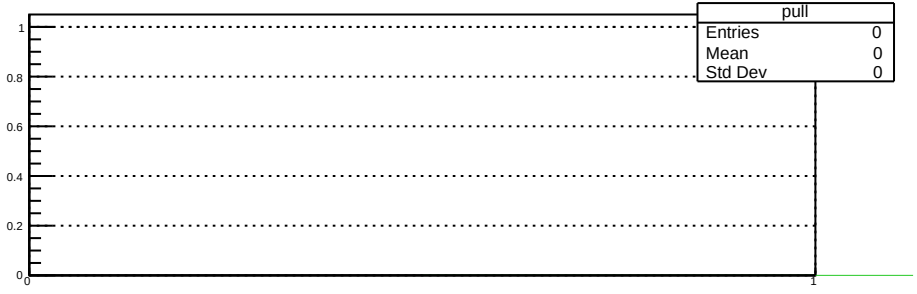
pull
Entries 0
Mean 0
Std Dev 0
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0.6
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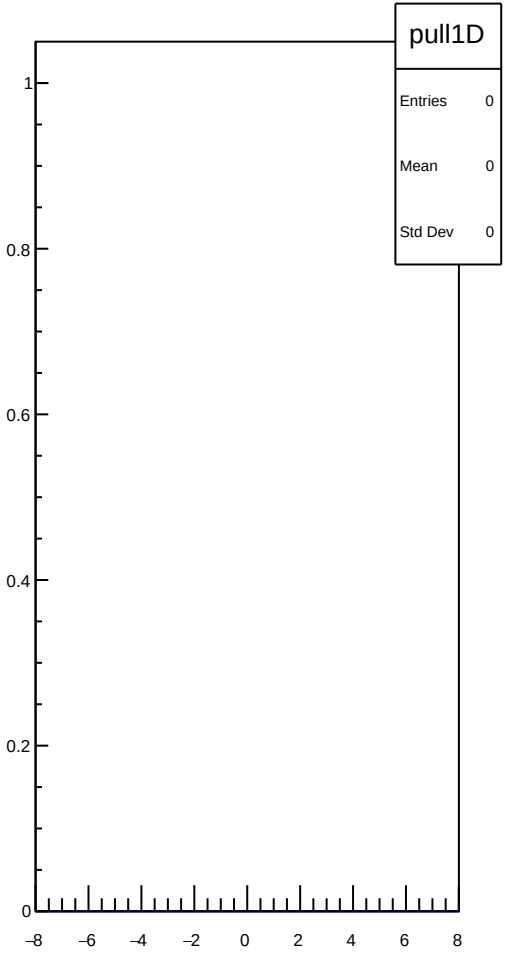
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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6
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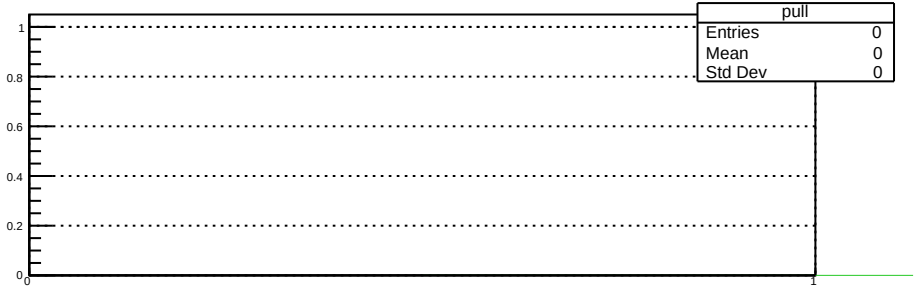
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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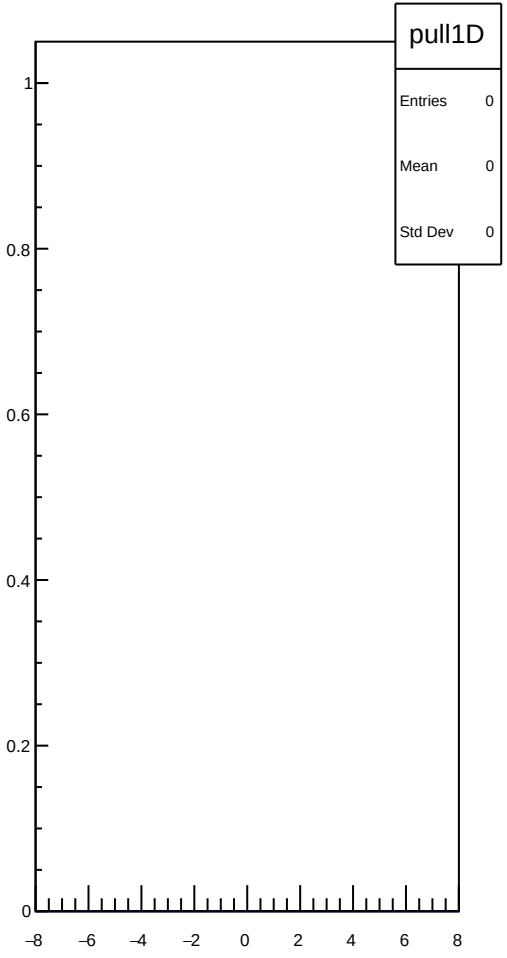
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
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0
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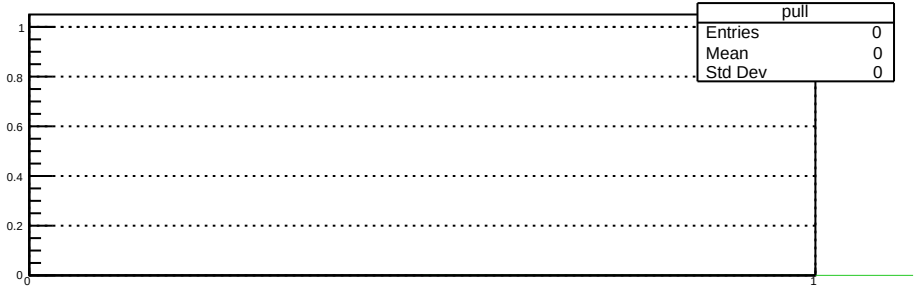
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
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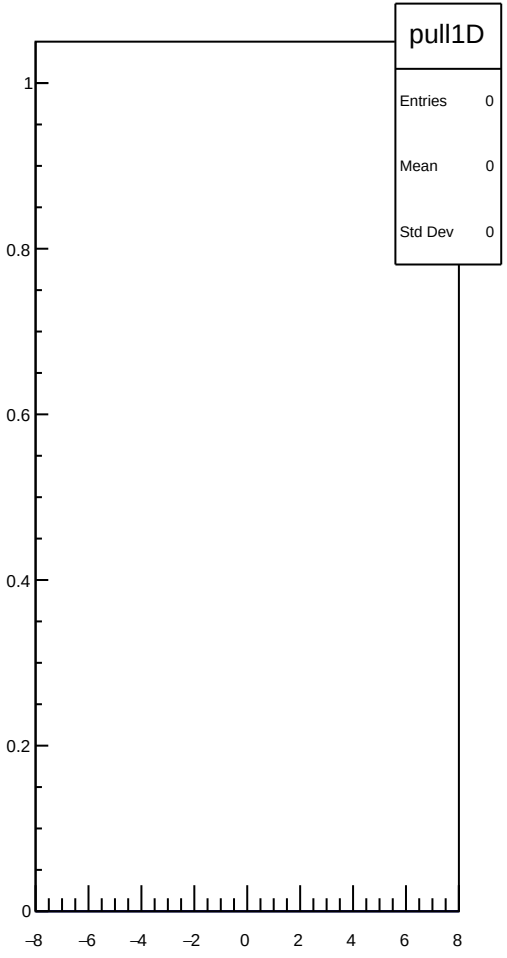
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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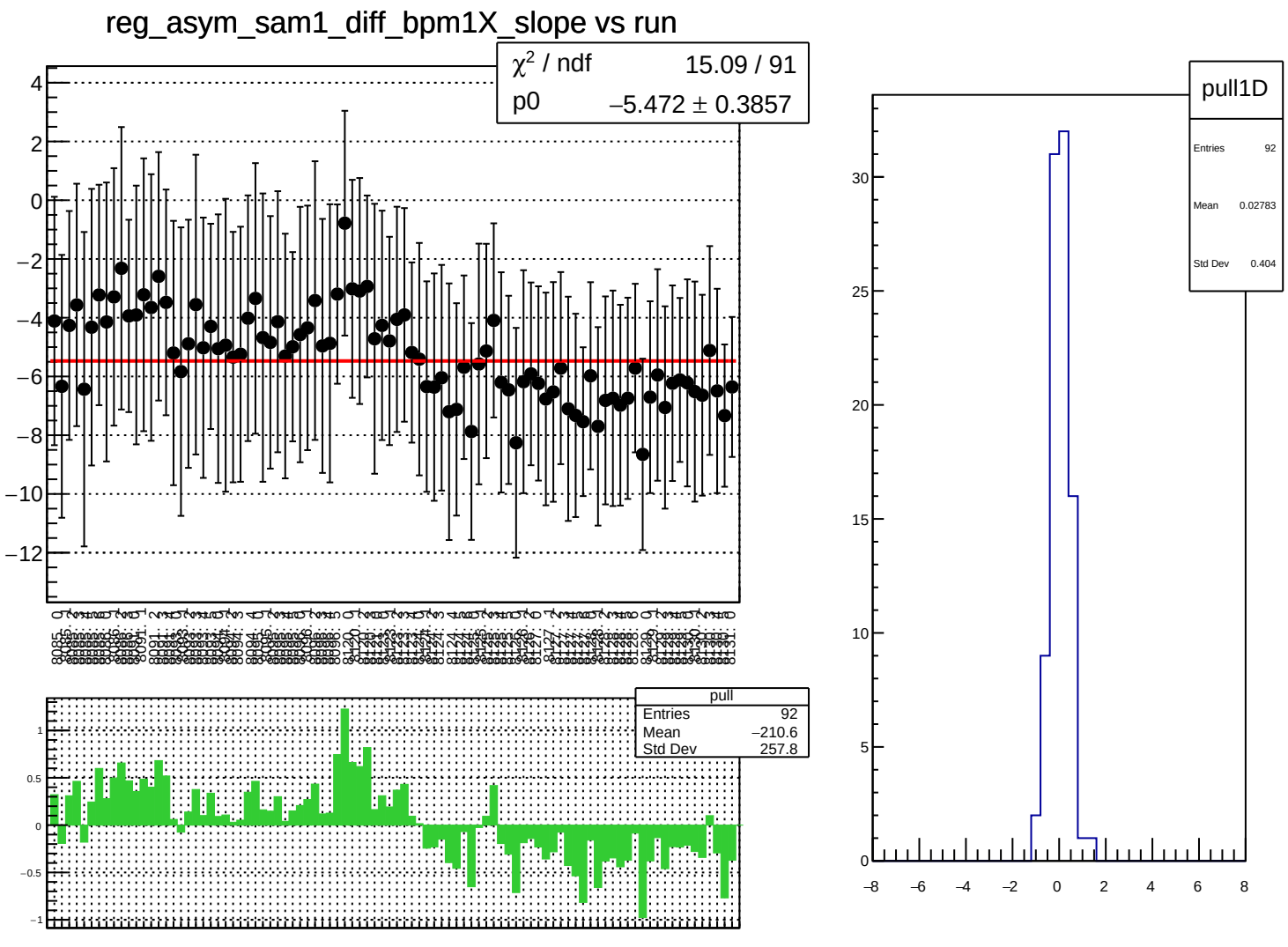
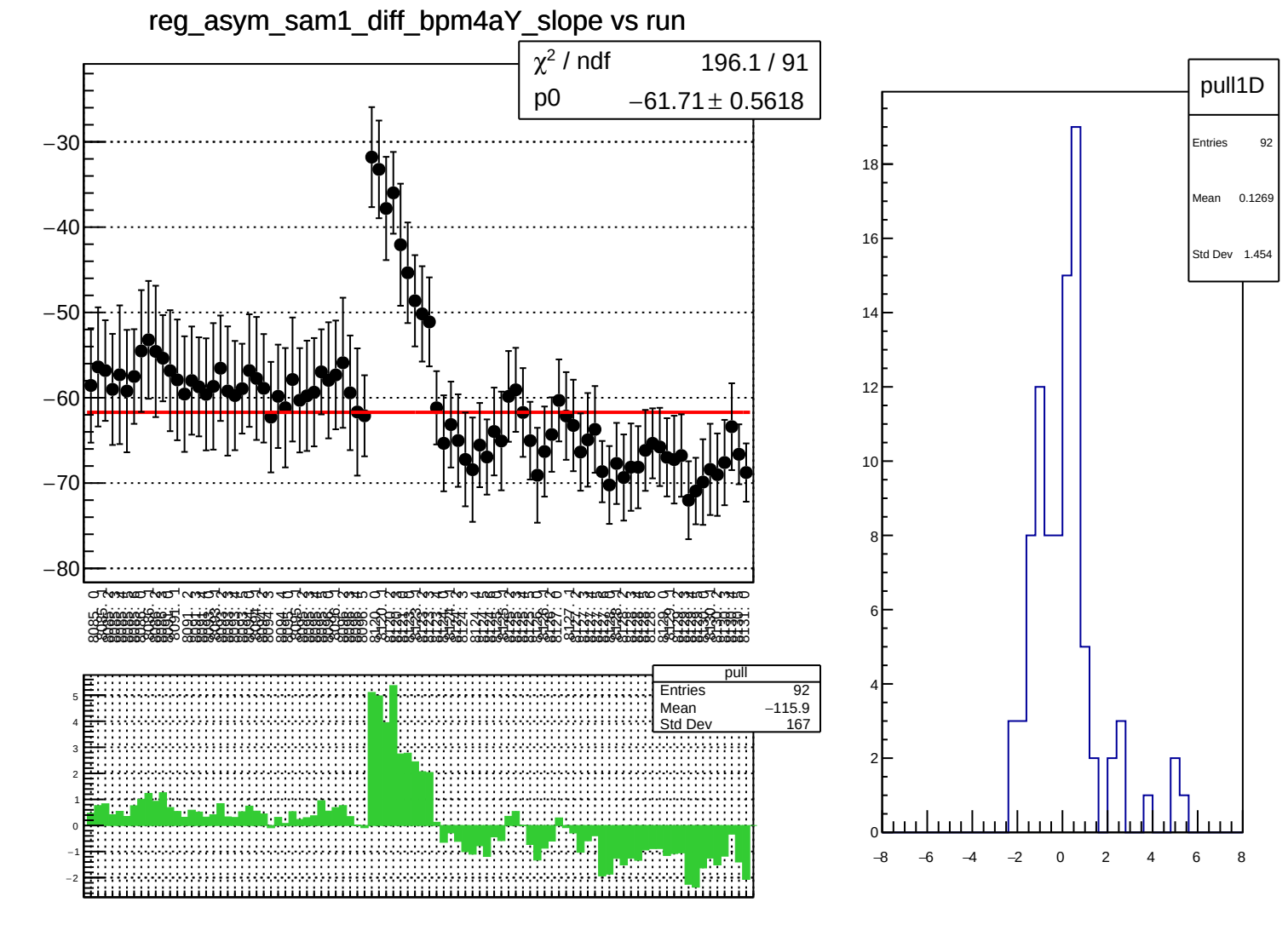

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 15.09 / 91
p0 −5.472 ± 0.3857
pull
Entries 92
Mean −210.6
Std Dev 257.8
pull1D
Entries 92
Mean 0.02783
Std Dev 0.404


reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 196.1 / 91
p0 −61.71 ± 0.5618
−30
−40
−50
−60
−70
−80
pull
Entries 92
Mean −115.9
Std Dev 167
5
4
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.1269
Std Dev 1.454
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
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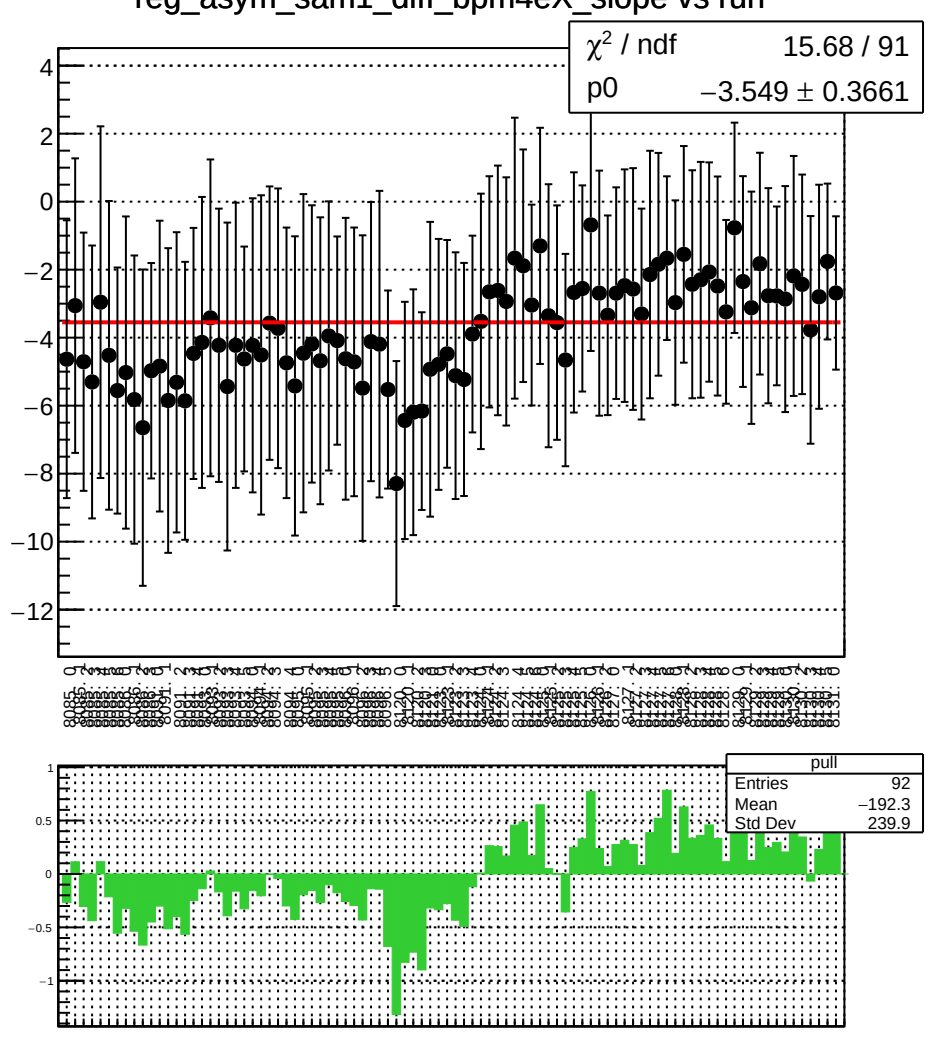
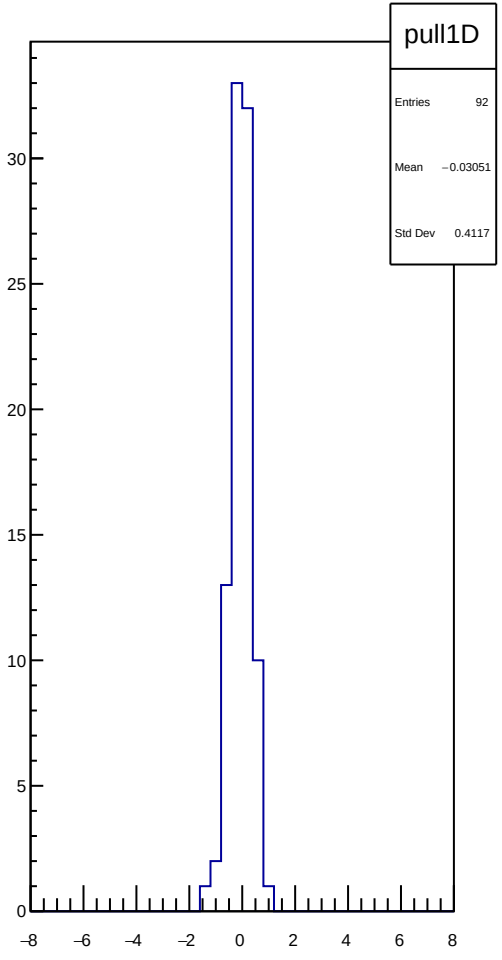
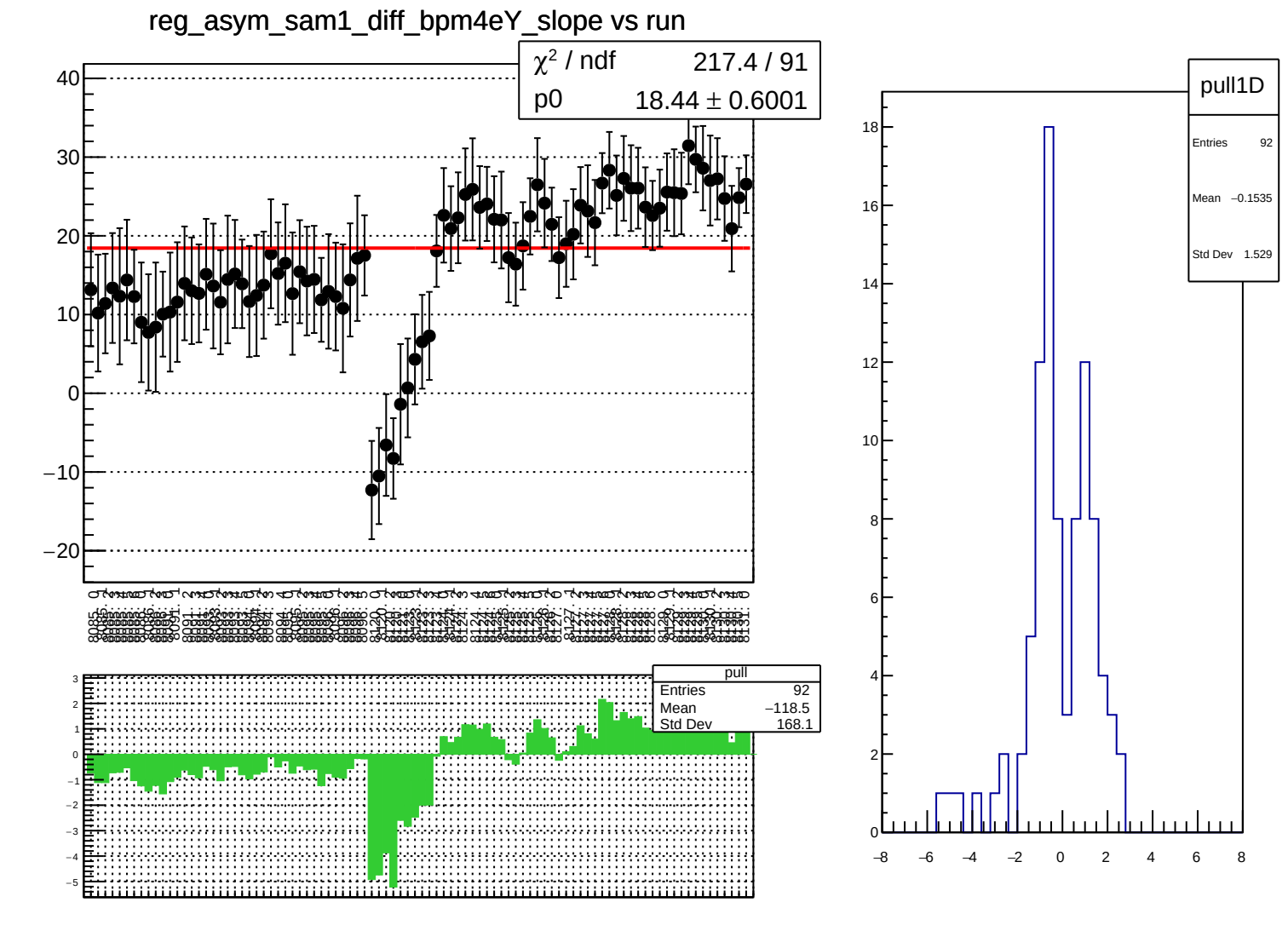
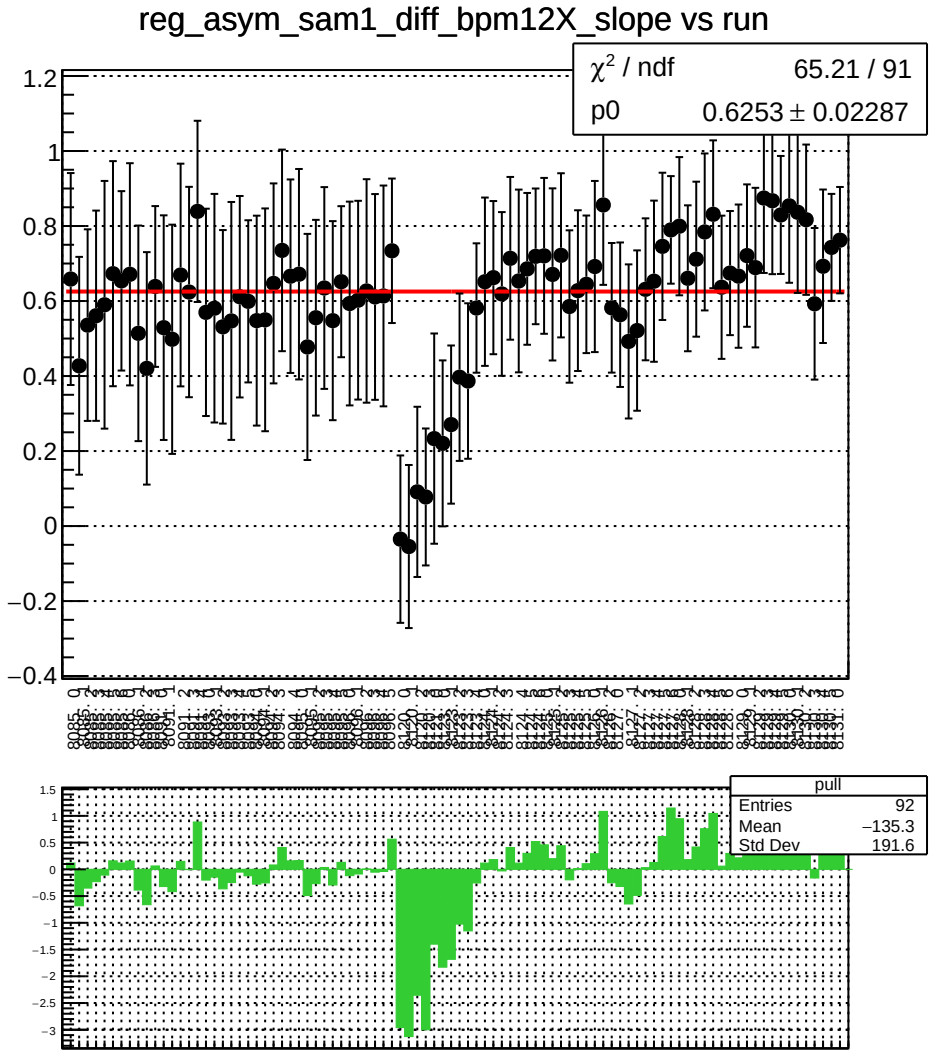
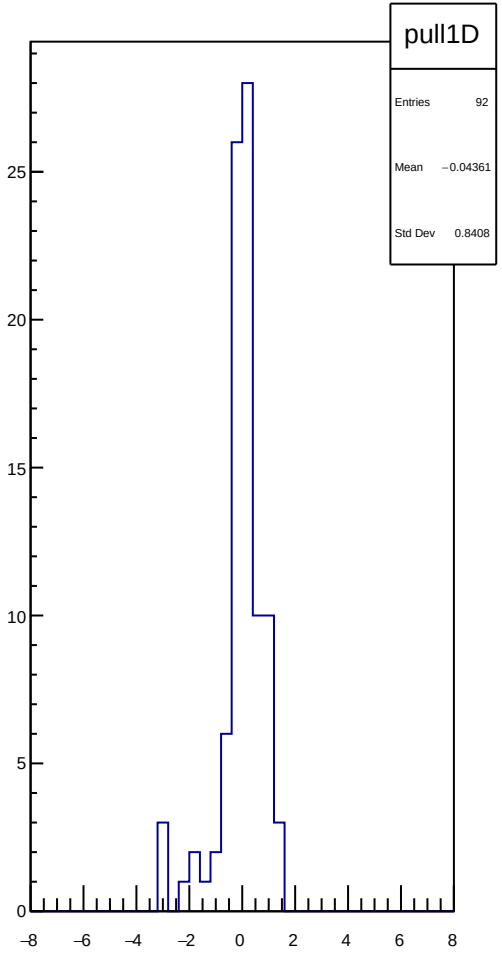
0
2
4
6
8

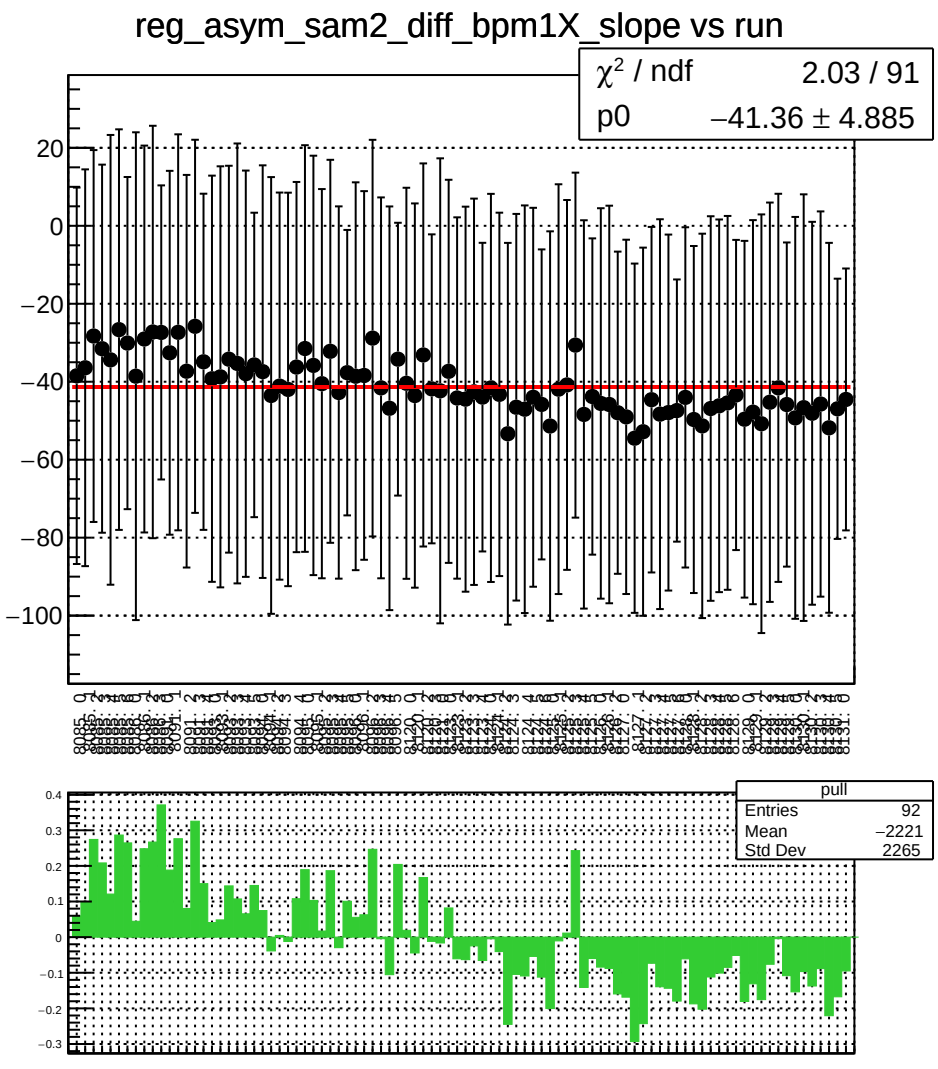

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 15.68 / 91
p0 −3.549 ± 0.3661
pull
Entries 92
Mean −192.3
Std Dev 239.9

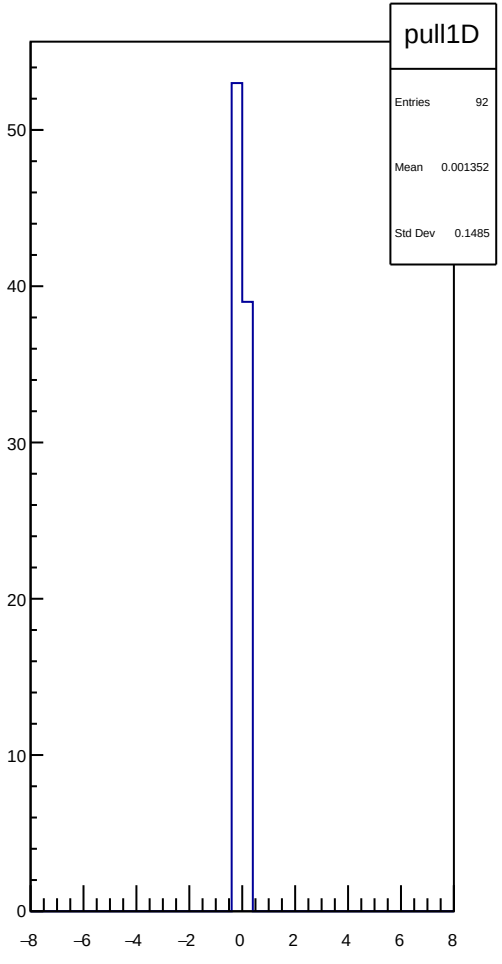

pull1D
Entries 92
Mean −0.03051
Std Dev 0.4117

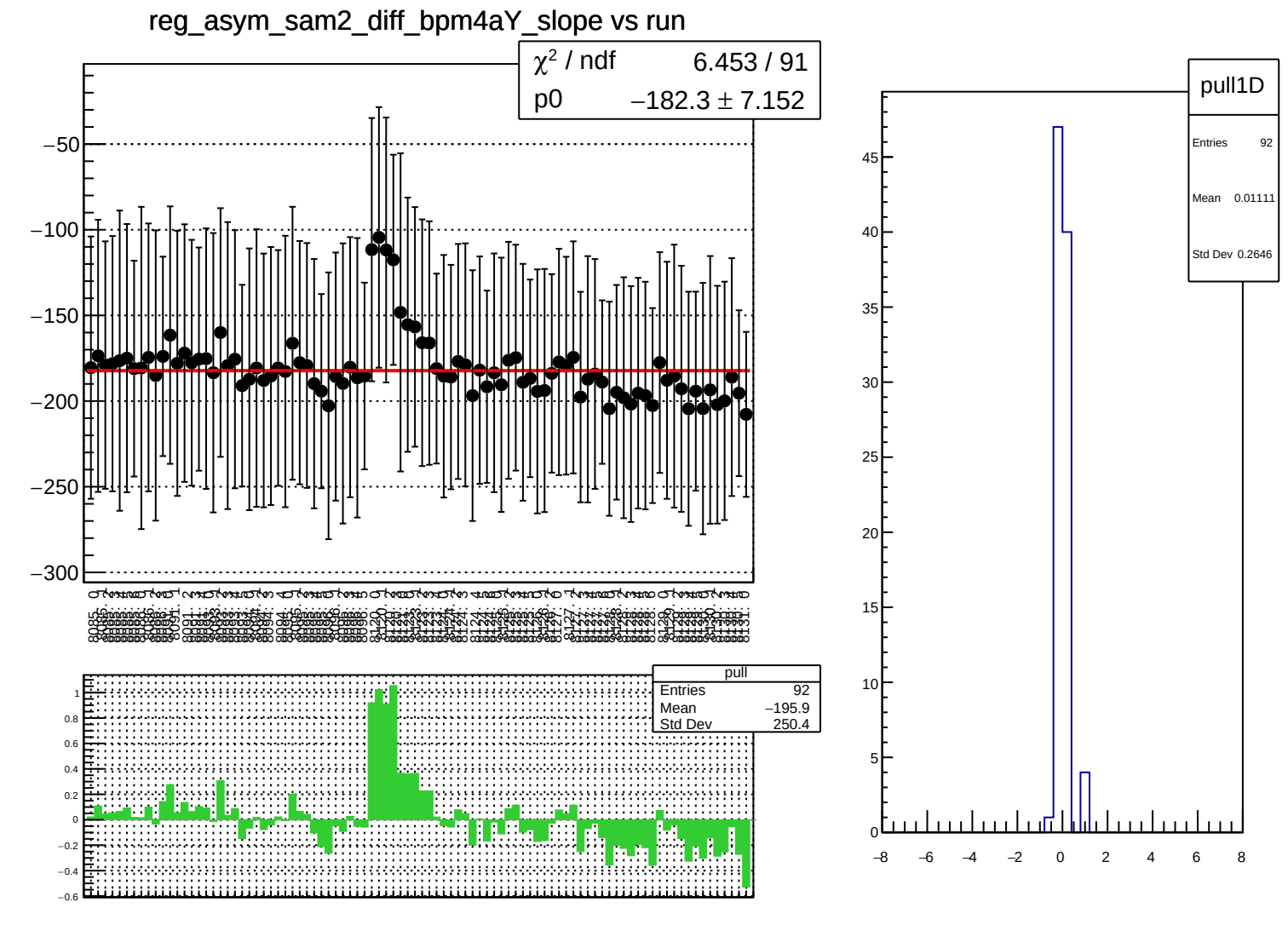

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 217.4 / 91
p0 18.44 ± 0.6001
pull
Entries 92
Mean −118.5
Std Dev 168.1
pull1D
Entries 92
Mean −0.1535
Std Dev 1.529

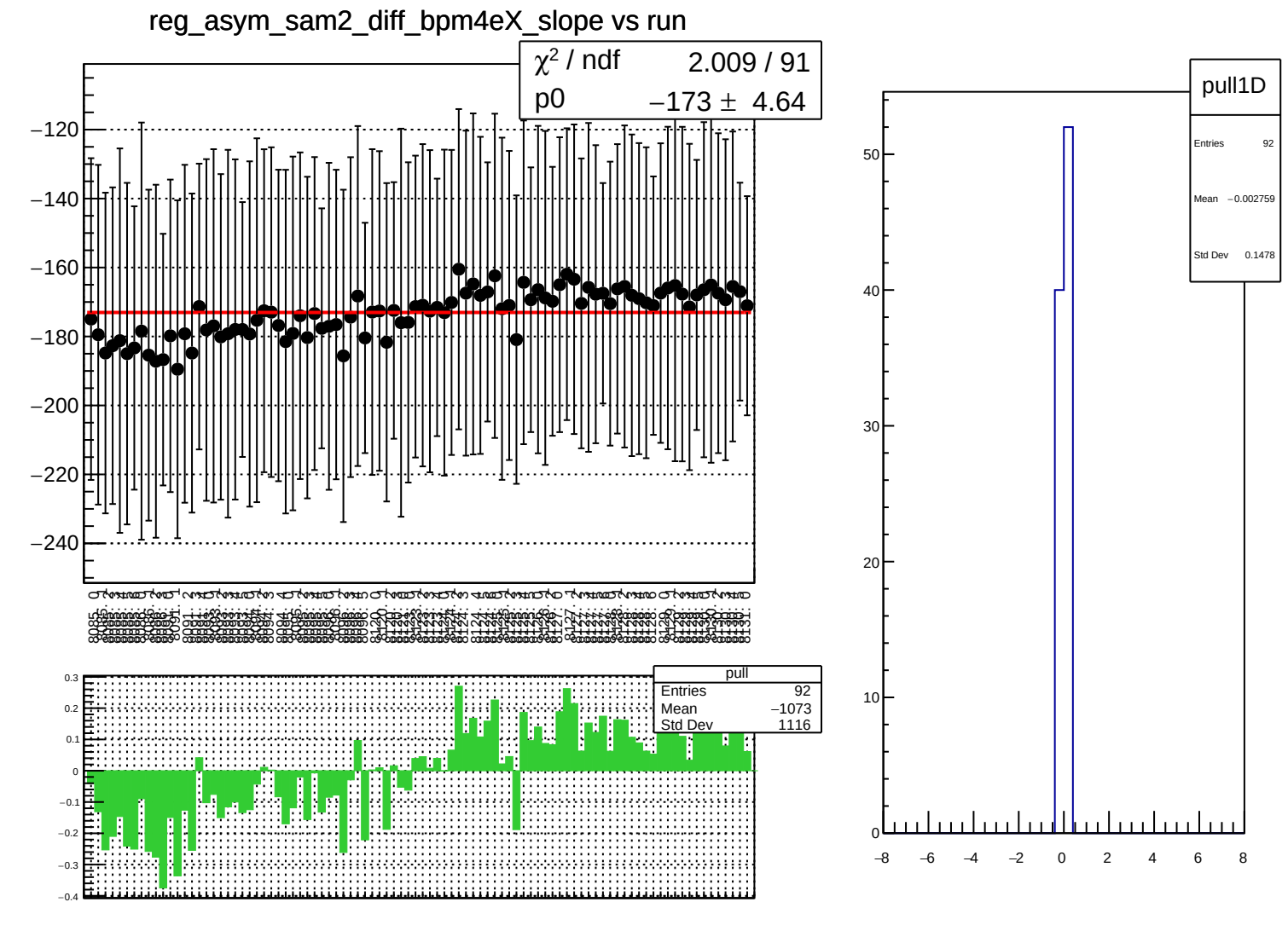

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 65.21 / 91
p0 0.6253 ± 0.02287
pull
Entries 92
Mean −135.3
Std Dev 191.6

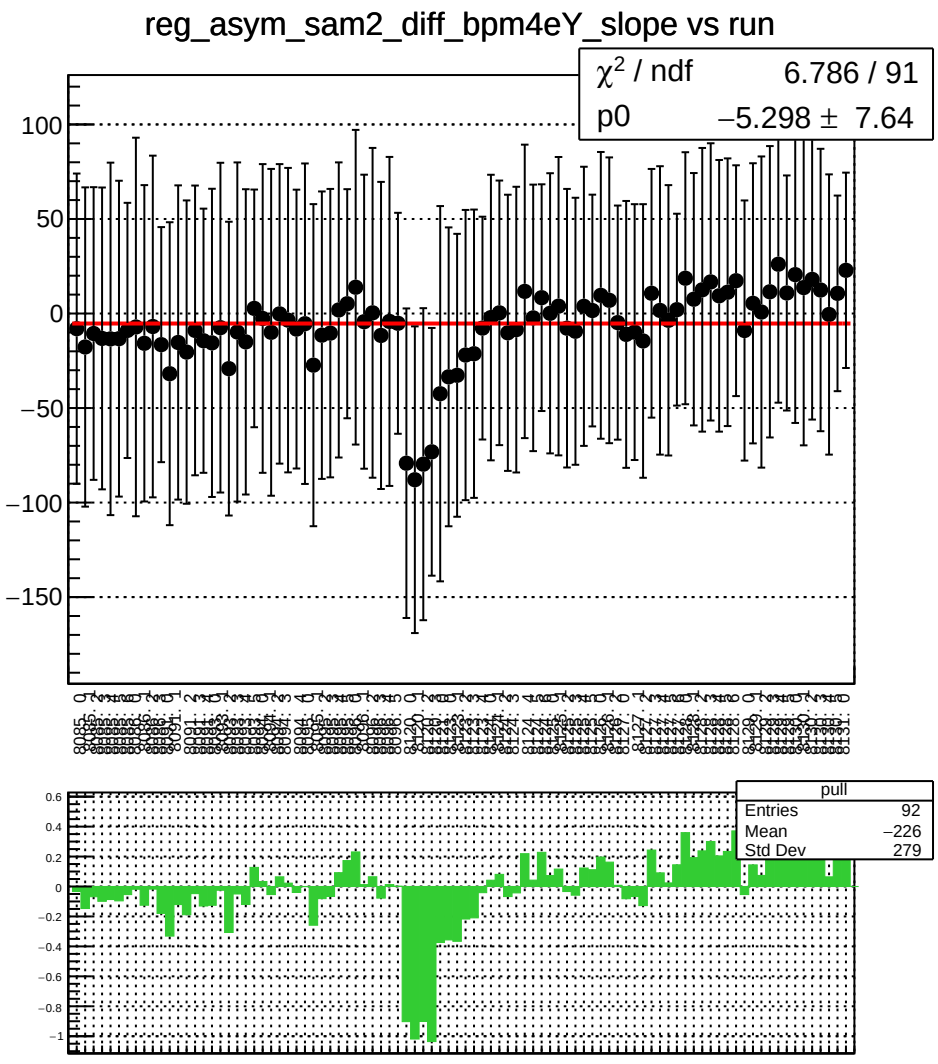

pull1D
Entries 92
Mean −0.04361
Std Dev 0.8408

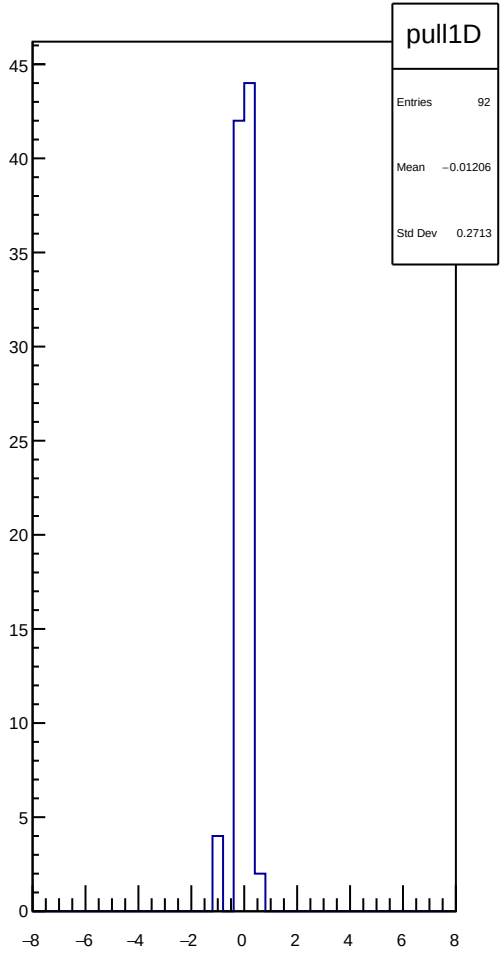

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 2.03 / 91
p0 −41.36 ± 4.885
pull
Entries 92
Mean −2221
Std Dev 2265


pull1D
Entries 92
Mean 0.001352
Std Dev 0.1485


reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 6.453 / 91
p0 −182.3 ± 7.152
pull
Entries 92
Mean −195.9
Std Dev 250.4
pull1D
Entries 92
Mean 0.01111
Std Dev 0.2646


reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 2.009 / 91
p0 −173 ± 4.64
−120
−140
−160
−180
−200
−220
−240
pull
Entries 92
Mean −1073
Std Dev 1116
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 92
Mean −0.002759
Std Dev 0.1478
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 6.786 / 91
p0 −5.298 ± 7.64
100
50
0
−50
−100
−150
pull
Entries 92
Mean −226
Std Dev 279
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1


pull1D
Entries 92
Mean −0.01206
Std Dev 0.2713
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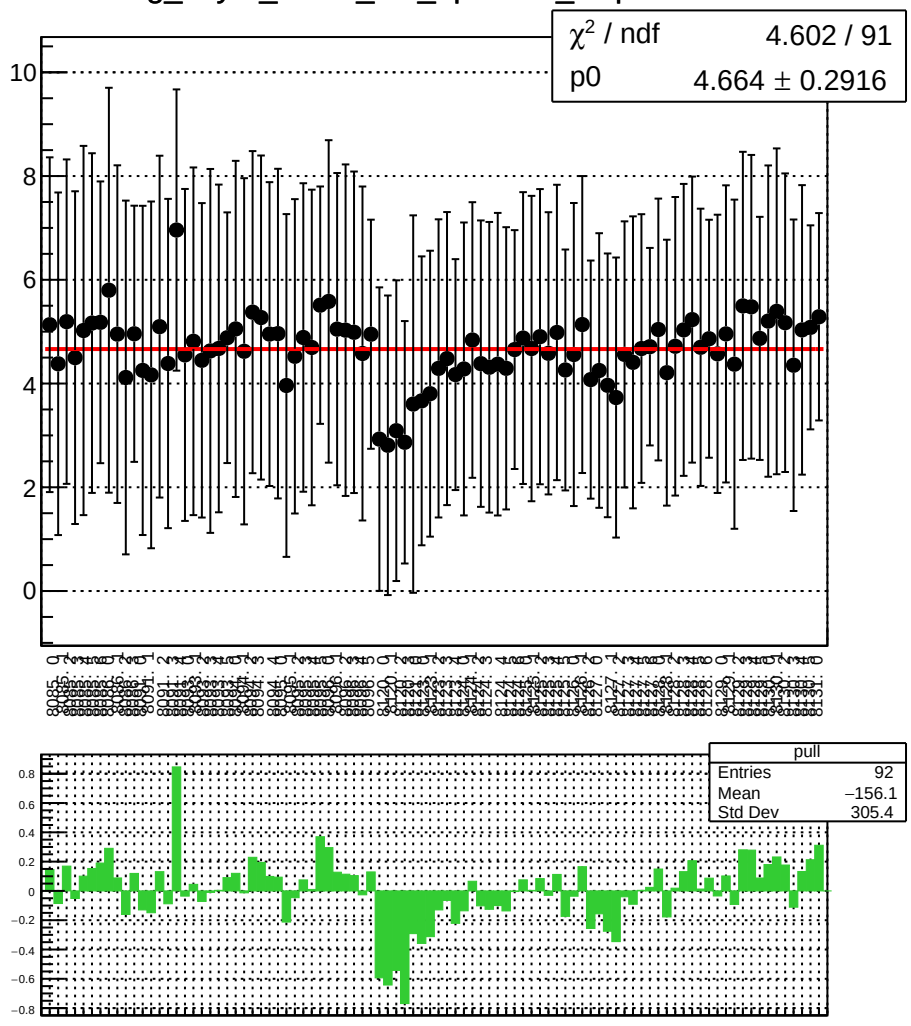
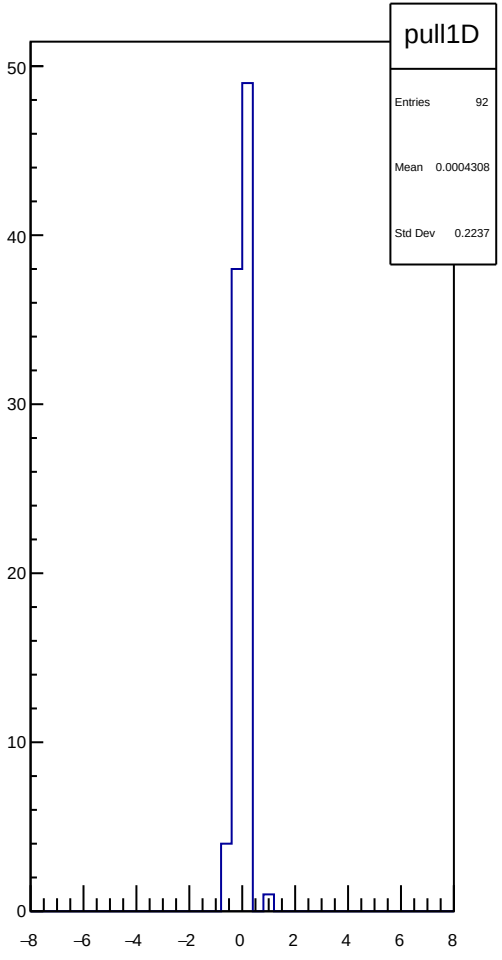
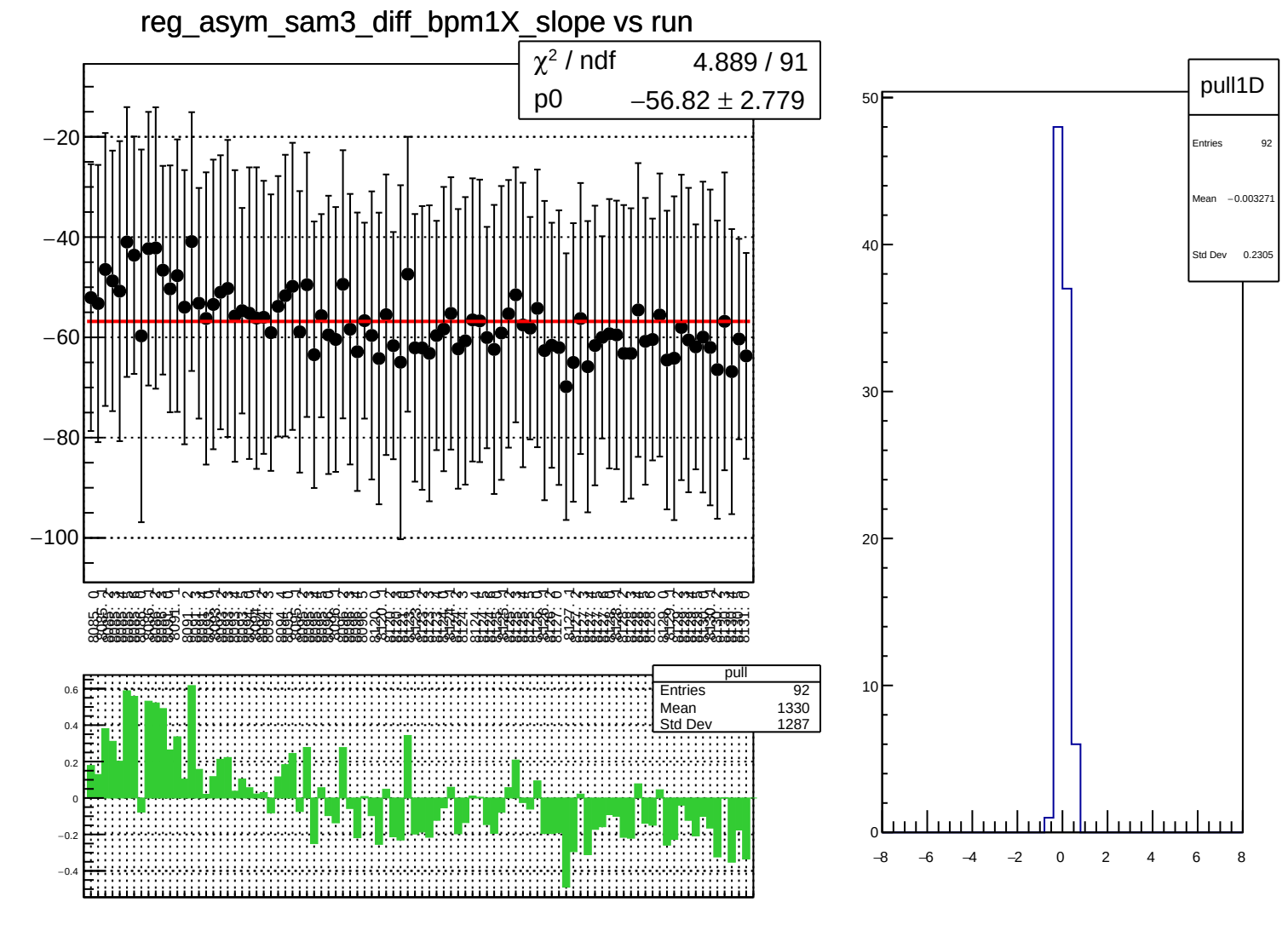
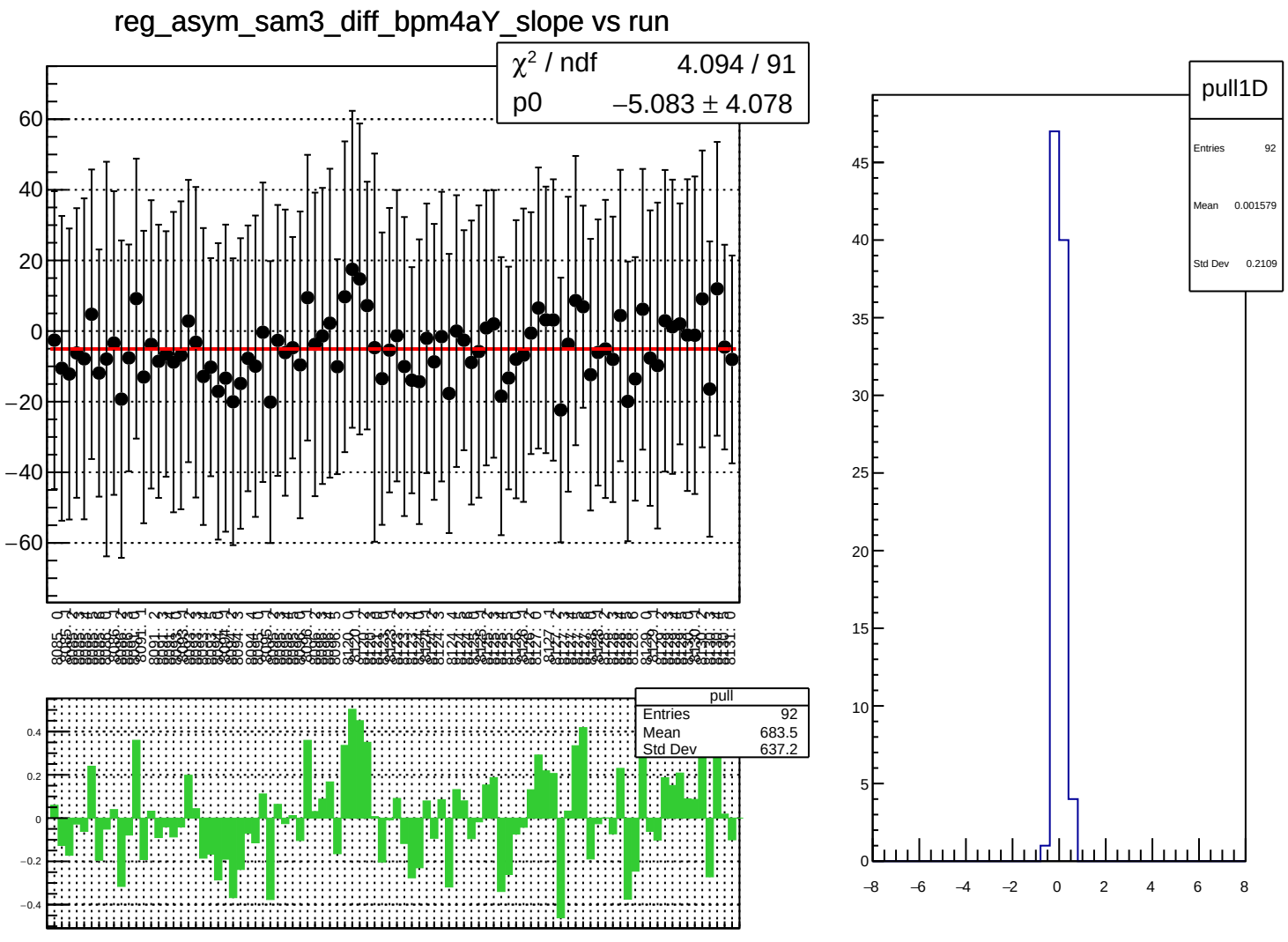
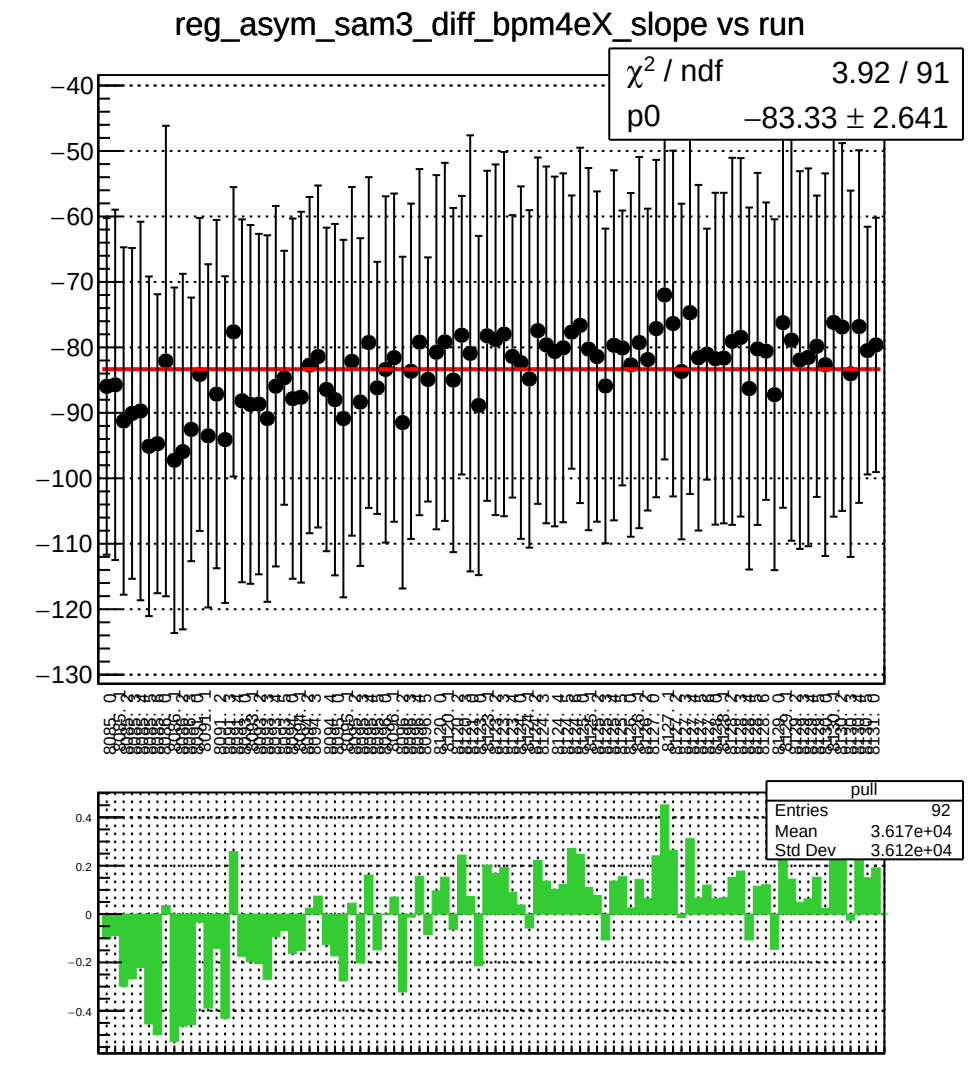
4
6
8

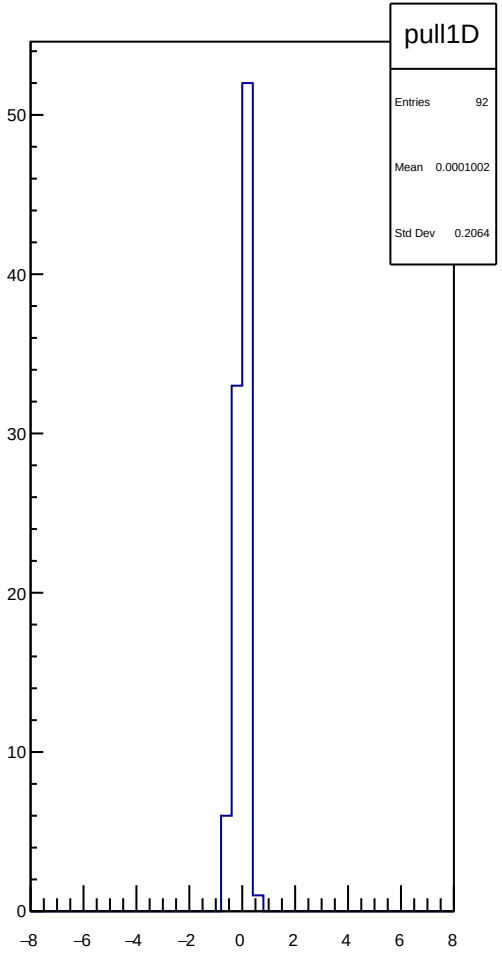

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 4.602 / 91
p0 4.664 ± 0.2916
pull
Entries 92
Mean −156.1
Std Dev 305.4

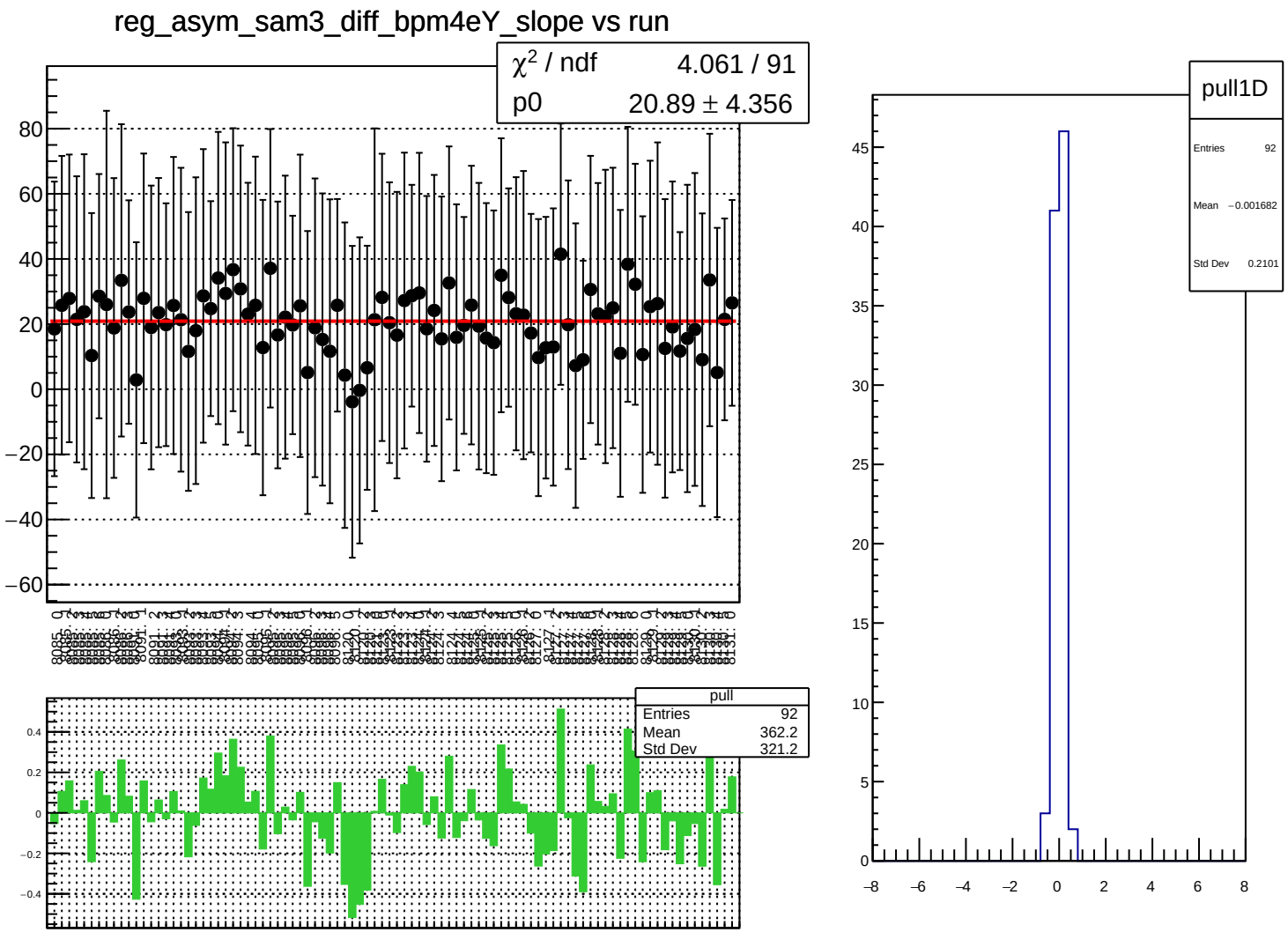

pull1D
Entries 92
Mean 0.0004308
Std Dev 0.2237

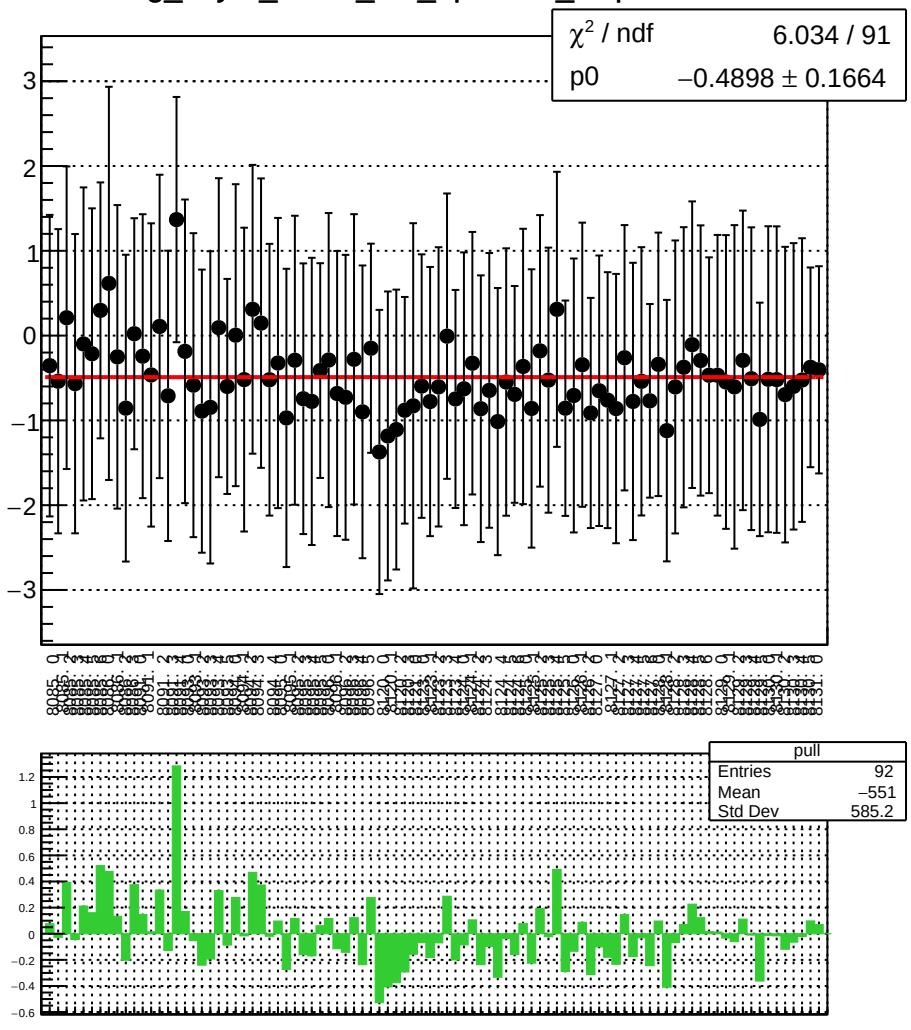

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 4.889 / 91
p0 −56.82 ± 2.779
pull
Entries 92
Mean 1330
Std Dev 1287
pull1D
Entries 92
Mean −0.003271
Std Dev 0.2305

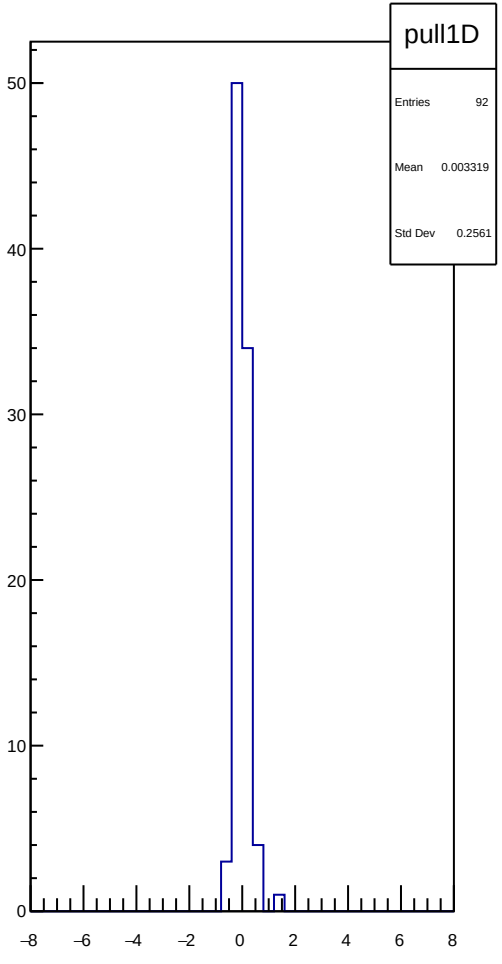

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 4.094 / 91
p0 −5.083 ± 4.078
pull
Entries 92
Mean 683.5
Std Dev 637.2
pull1D
Entries 92
Mean 0.001579
Std Dev 0.2109

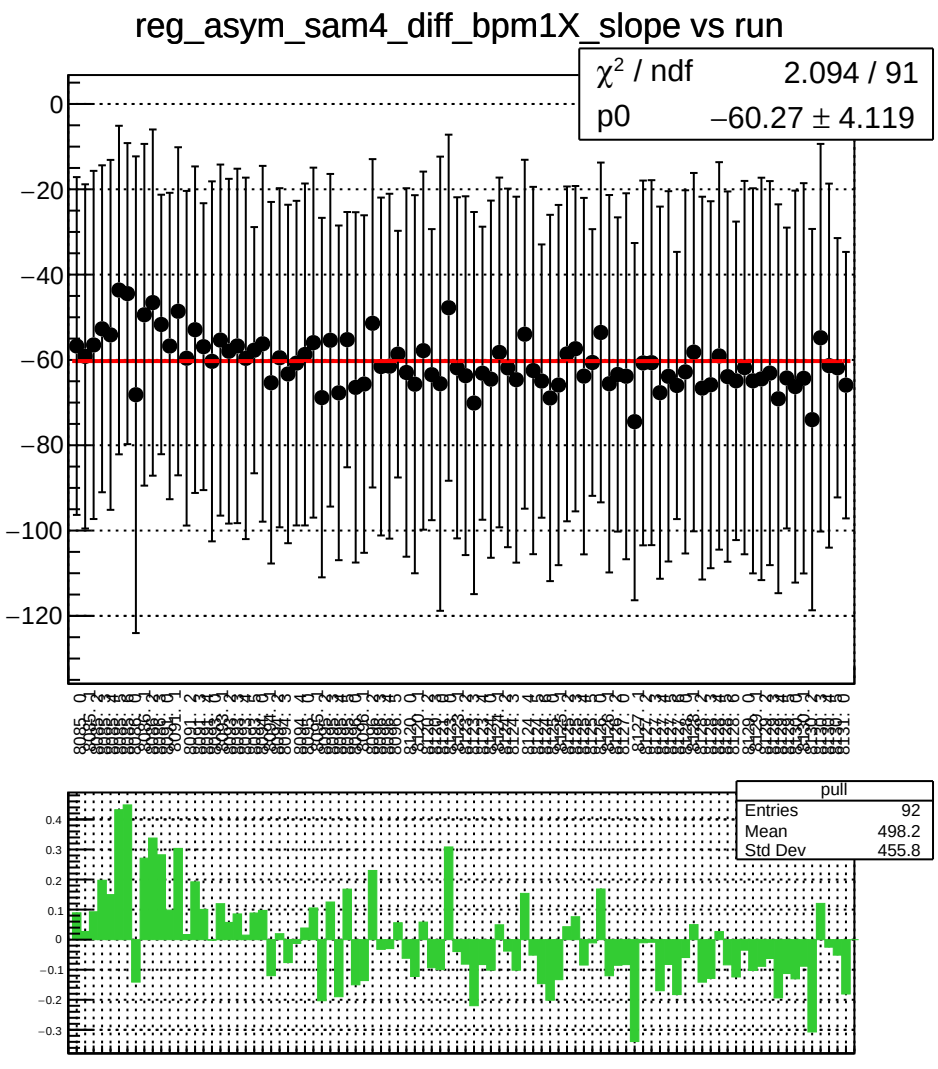

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 3.92 / 91
p0 −83.33 ± 2.641
pull
Entries 92
Mean 3.617e+04
Std Dev 3.612e+04

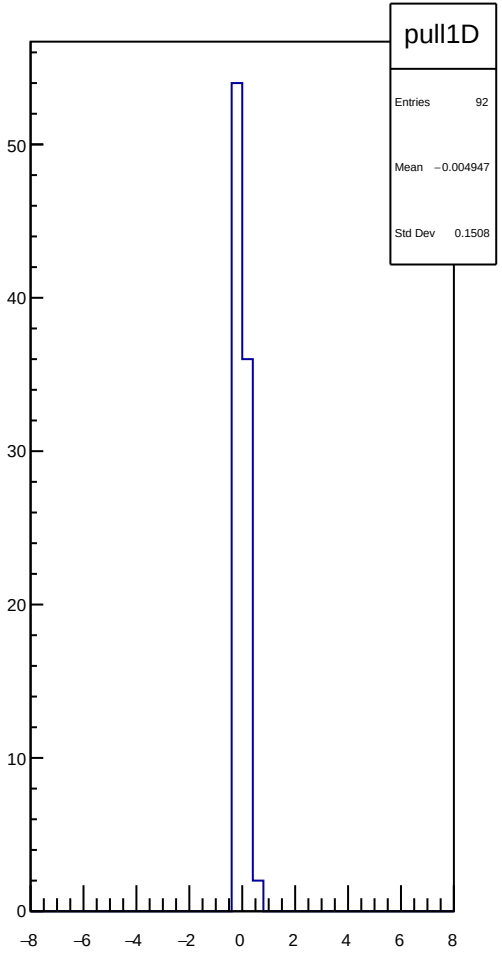

pull1D
Entries 92
Mean 0.0001002
Std Dev 0.2064

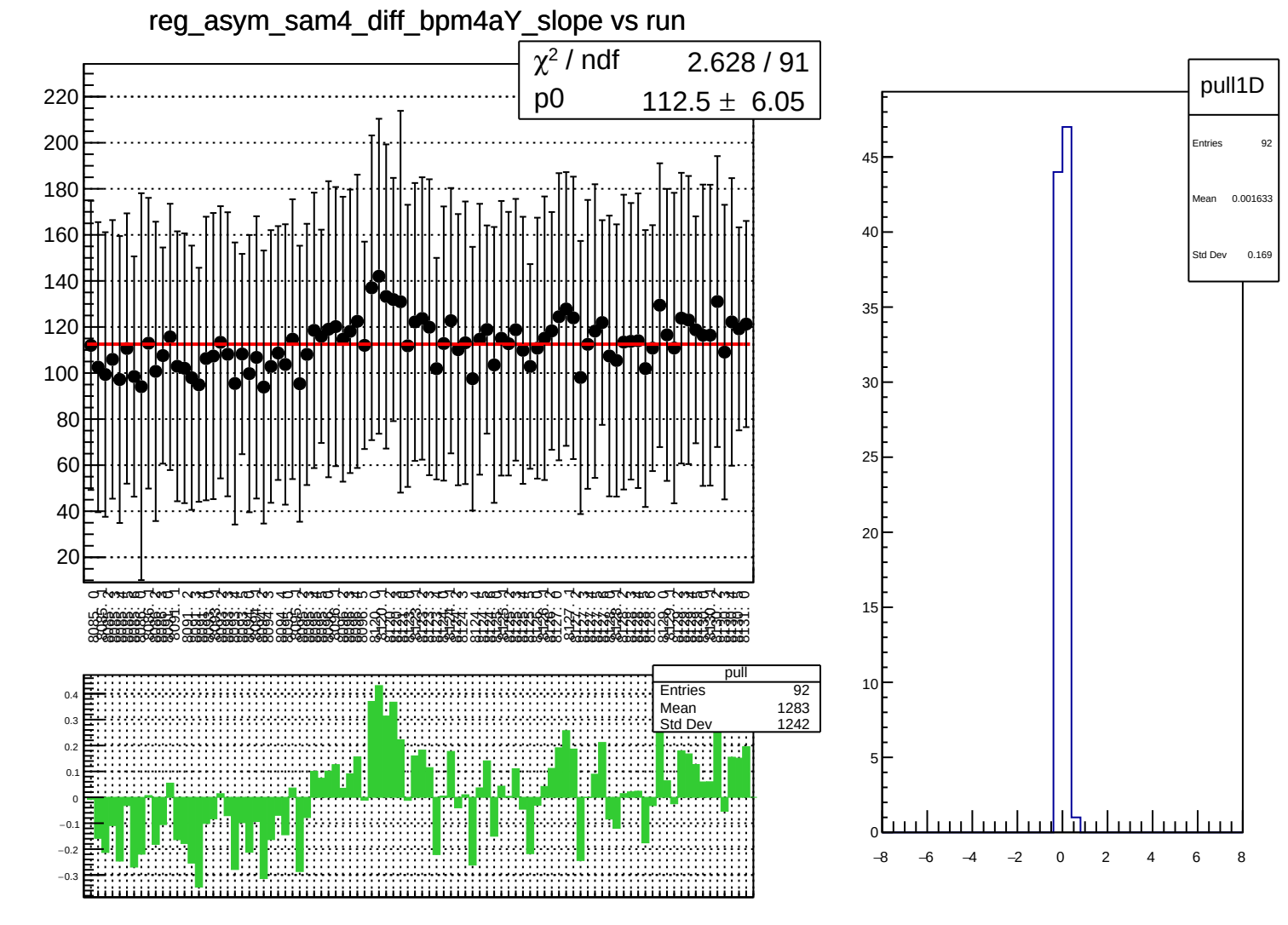

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.061 / 91
p0 20.89 ± 4.356
pull
Entries 92
Mean 362.2
Std Dev 321.2
pull1D
Entries 92
Mean −0.001682
Std Dev 0.2101

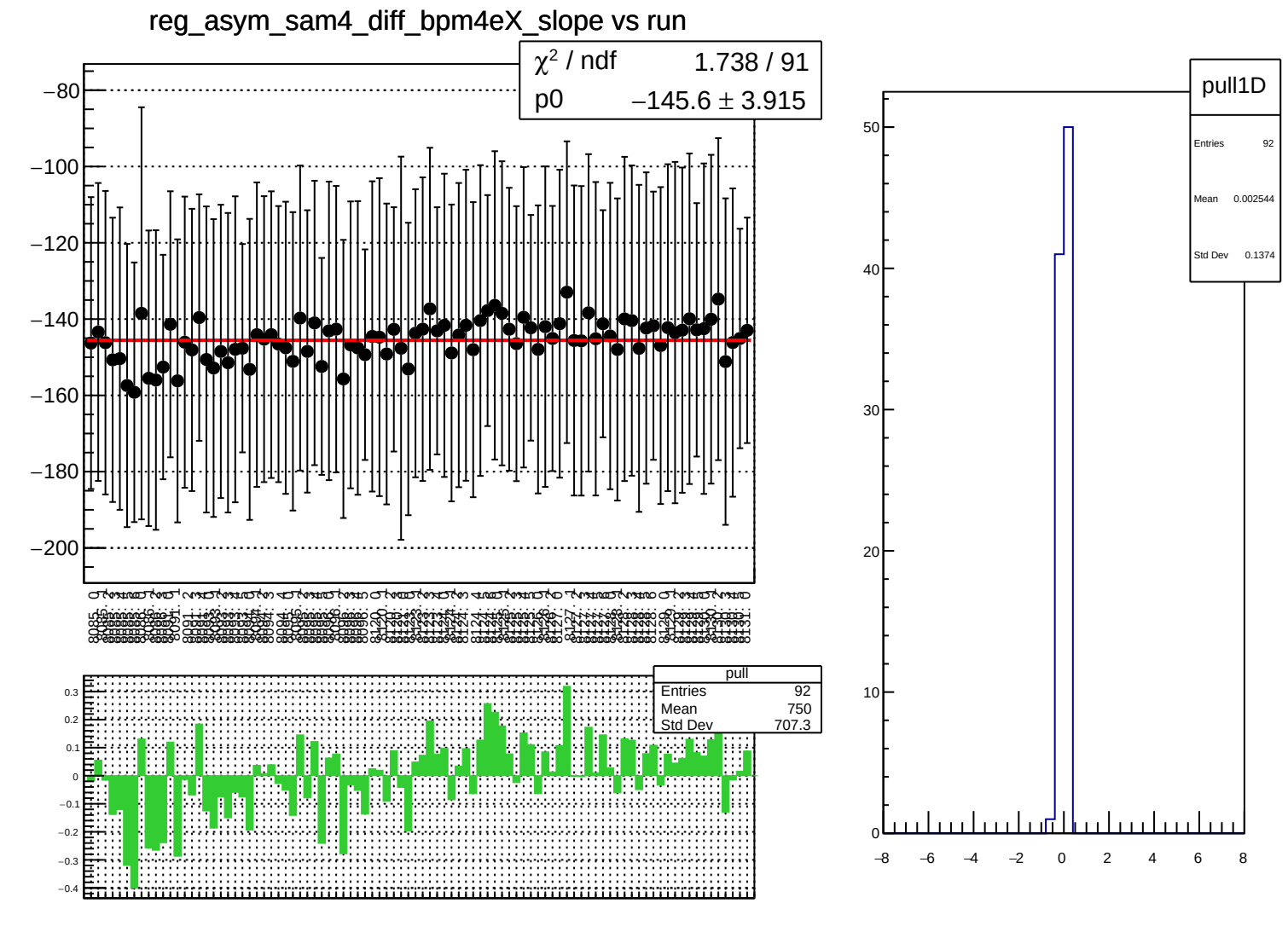

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 6.034 / 91
p0 −0.4898 ± 0.1664
pull
Entries 92
Mean −551
Std Dev 585.2

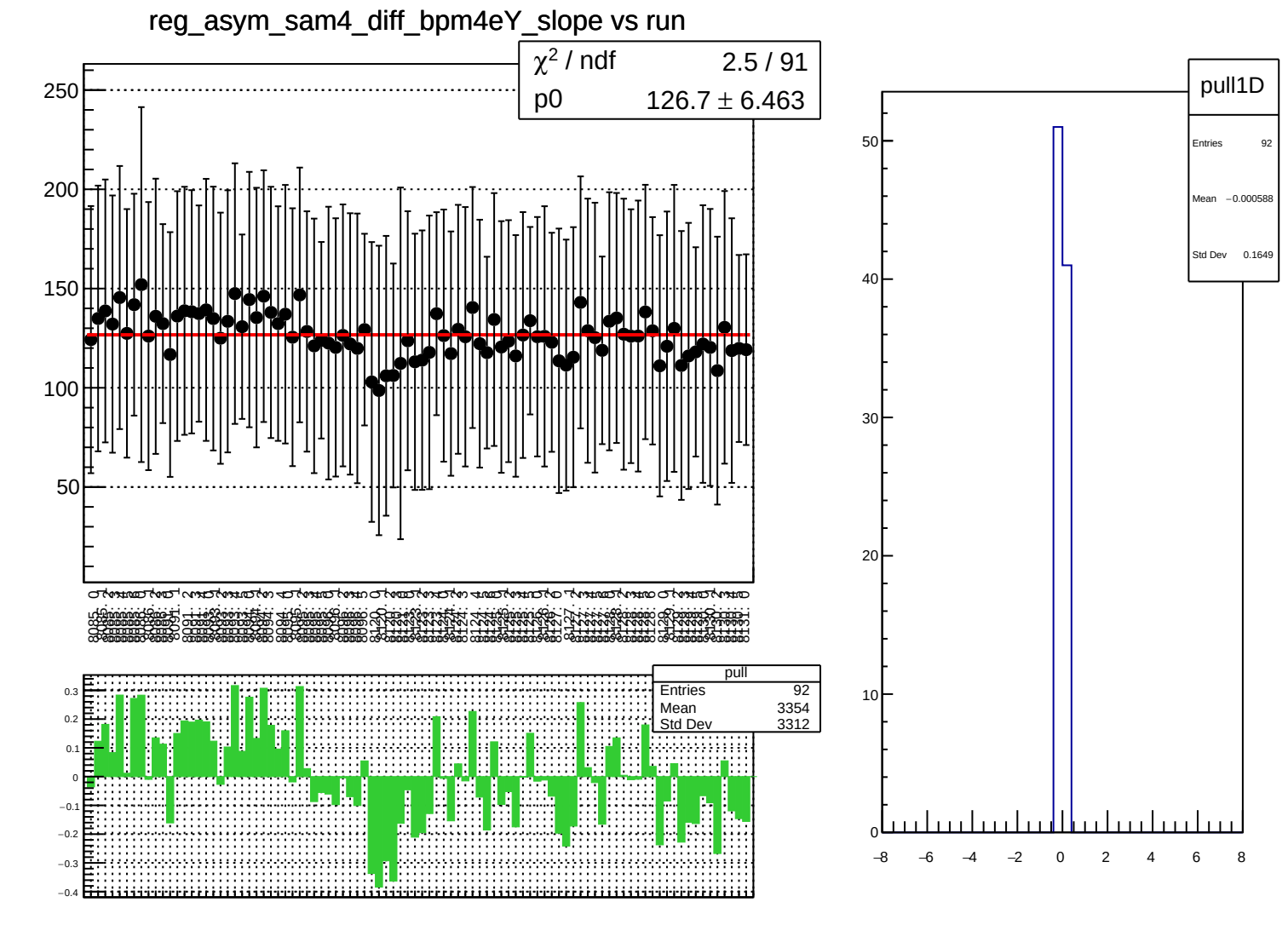

pull1D
Entries 92
Mean 0.003319
Std Dev 0.2561

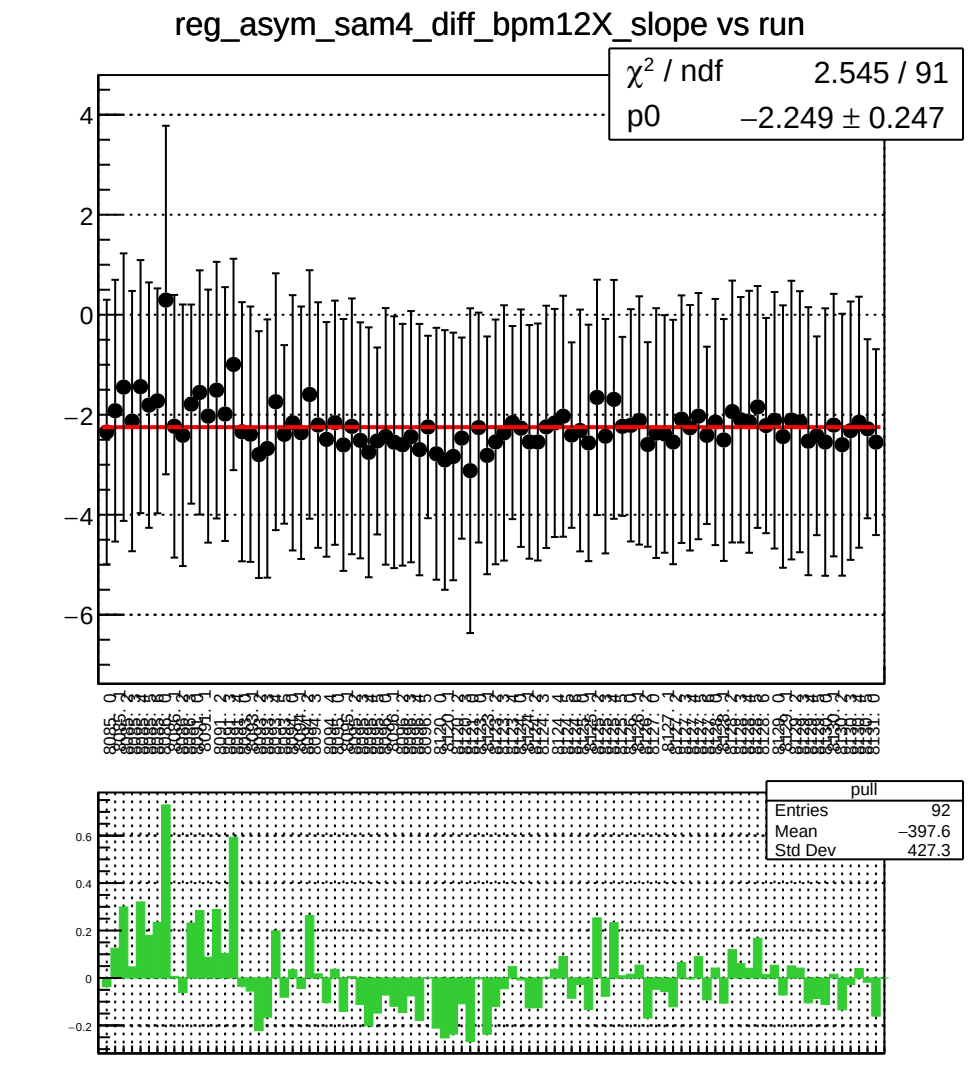

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 2.094 / 91
p0 −60.27 ± 4.119
pull
Entries 92
Mean 498.2
Std Dev 455.8

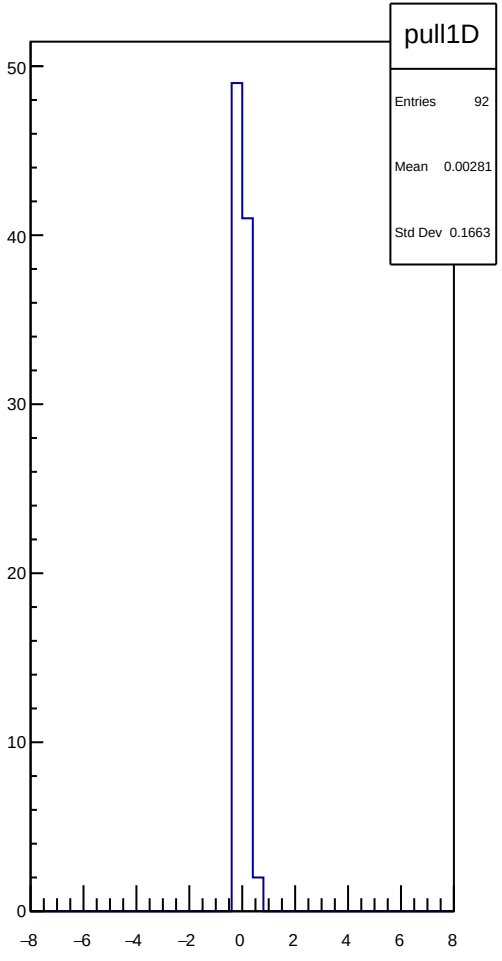

pull1D
Entries 92
Mean −0.004947
Std Dev 0.1508

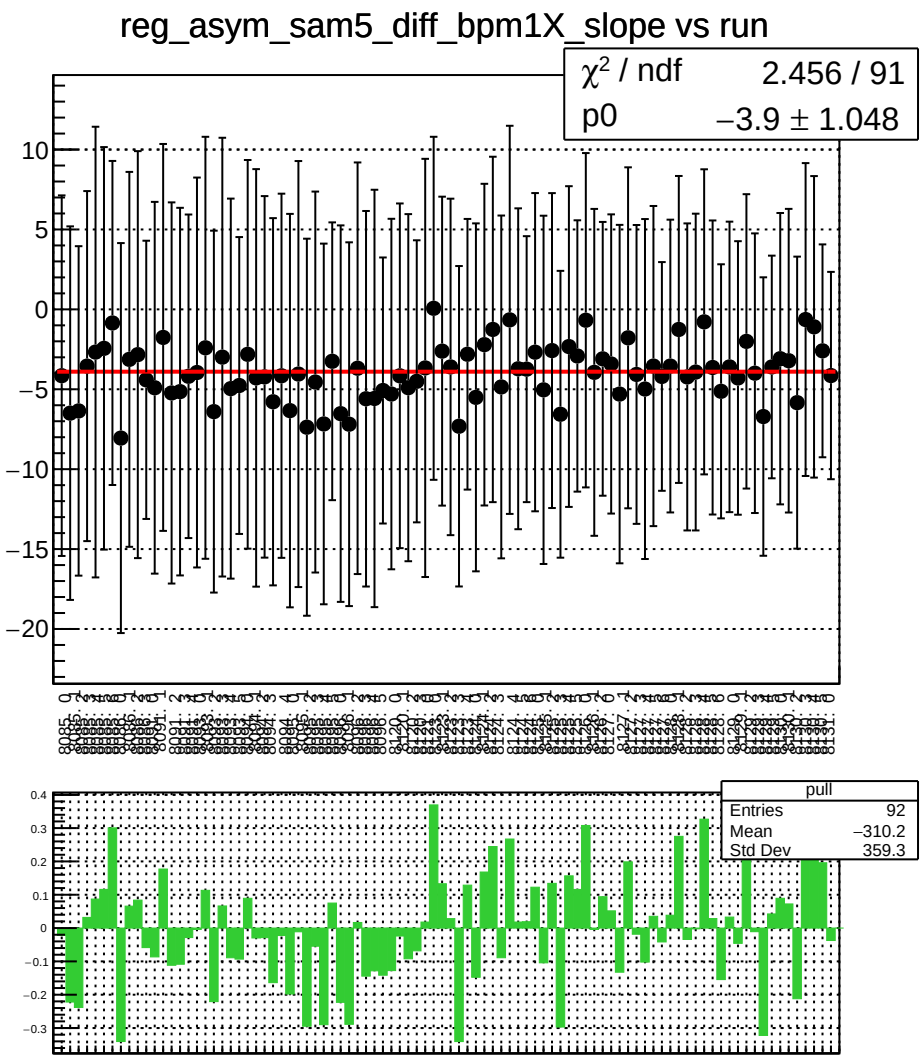

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 2.628 / 91
p0 112.5 ± 6.05
pull
Entries 92
Mean 1283
Std Dev 1242
pull1D
Entries 92
Mean 0.001633
Std Dev 0.169

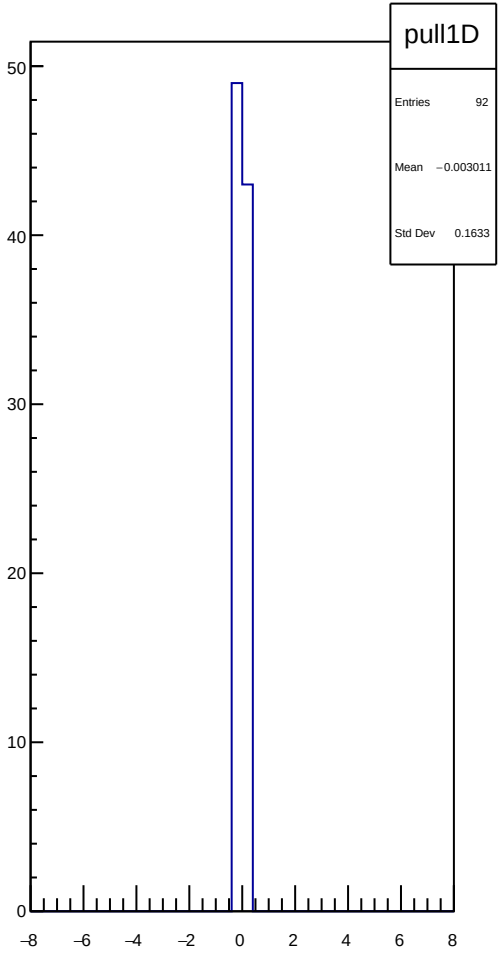

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.738 / 91
p0 −145.6 ± 3.915
pull
Entries 92
Mean 750
Std Dev 707.3
pull1D
Entries 92
Mean 0.002544
Std Dev 0.1374

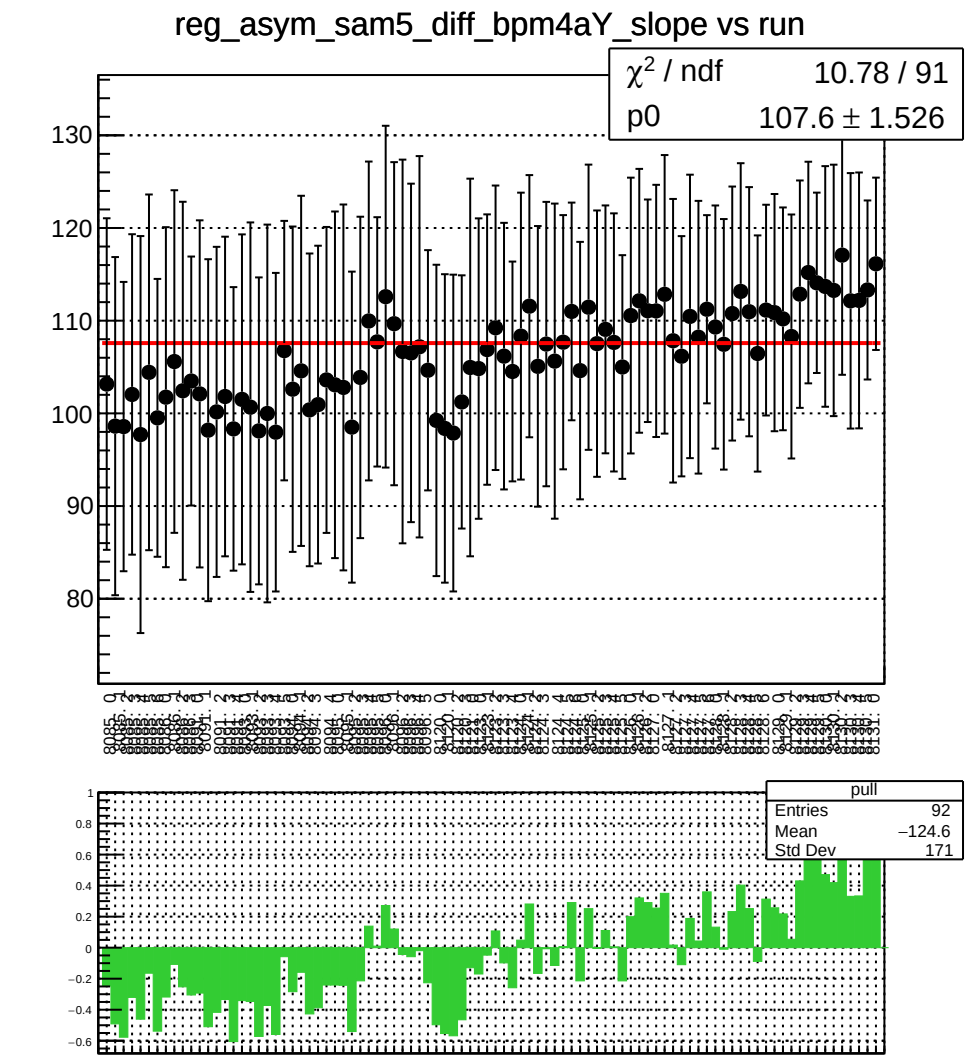

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 2.5 / 91
p0 126.7 ± 6.463
250
200
150
100
50
pull
Entries 92
Mean 3354
Std Dev 3312
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 92
Mean −0.000588
Std Dev 0.1649
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

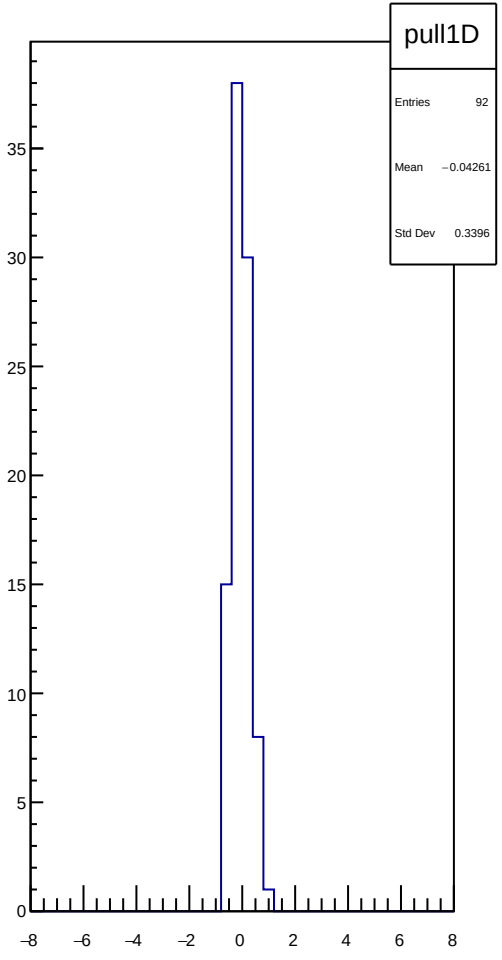

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 2.545 / 91
p0 −2.249 ± 0.247
pull
Entries 92
Mean −397.6
Std Dev 427.3

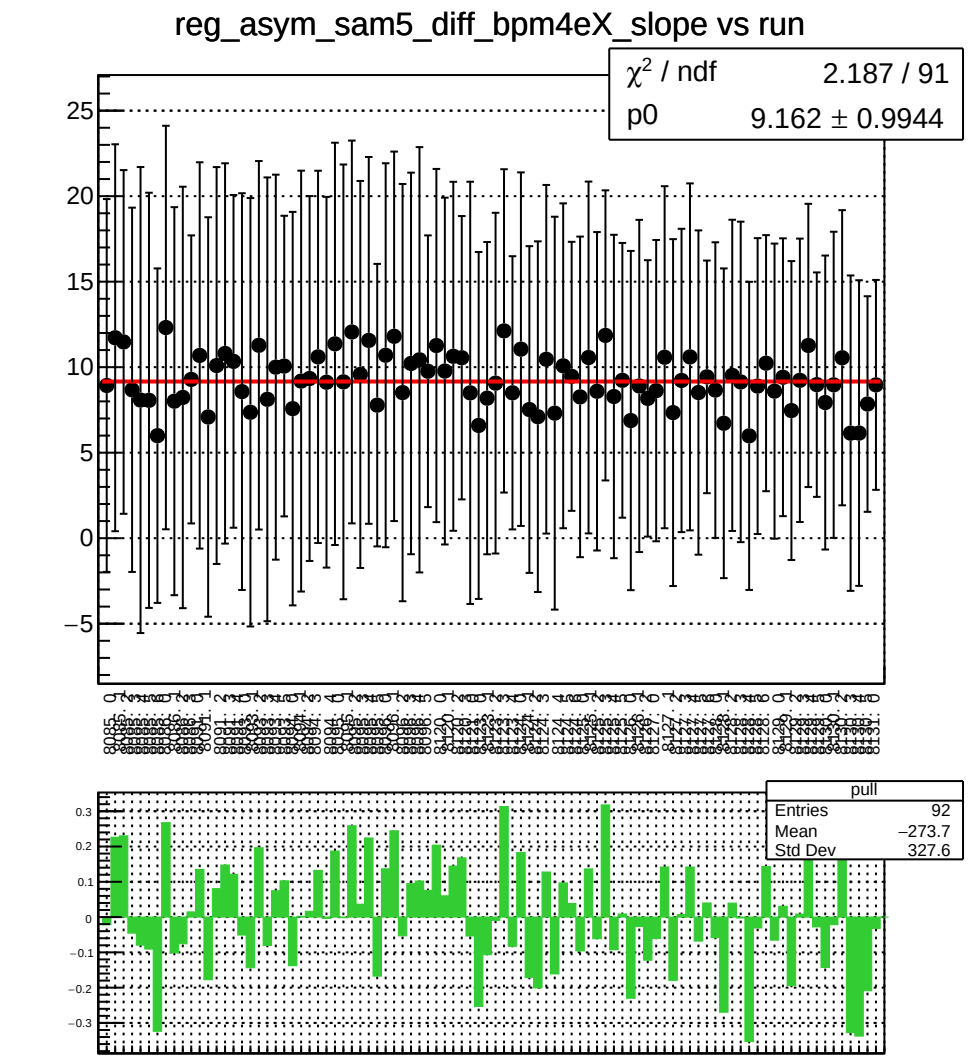

pull1D
Entries 92
Mean 0.00281
Std Dev 0.1663

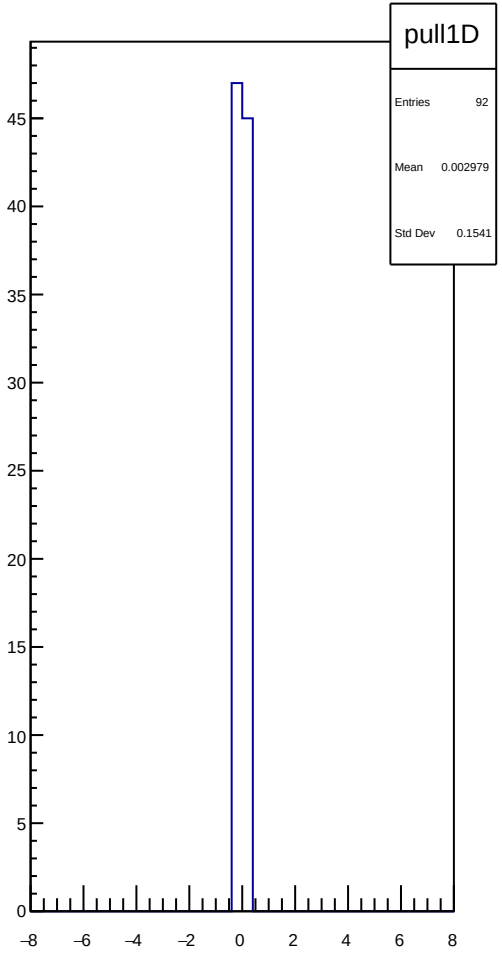

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 2.456 / 91
p0 −3.9 ± 1.048
pull
Entries 92
Mean −310.2
Std Dev 359.3

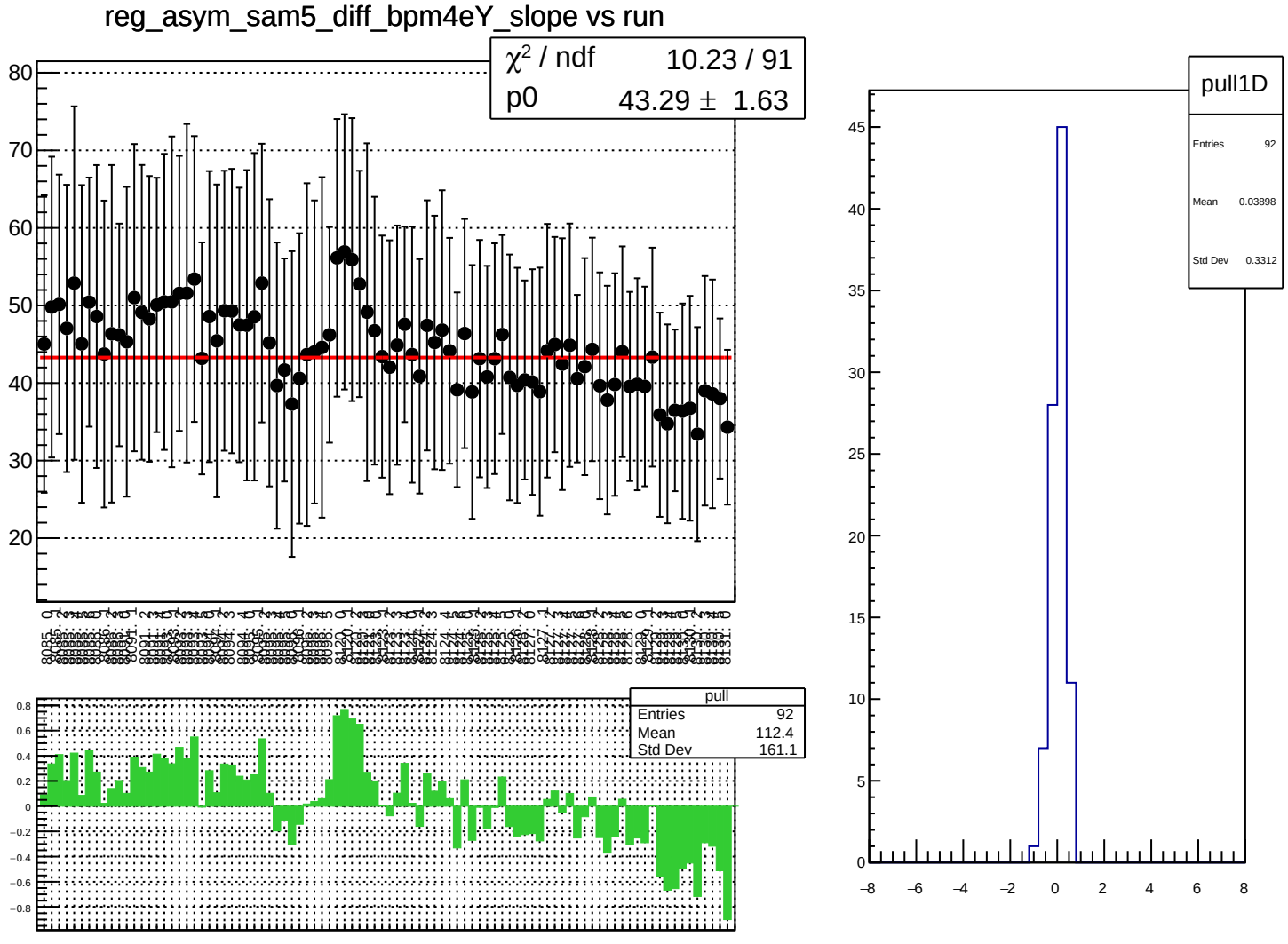

pull1D
Entries 92
Mean −0.003011
Std Dev 0.1633

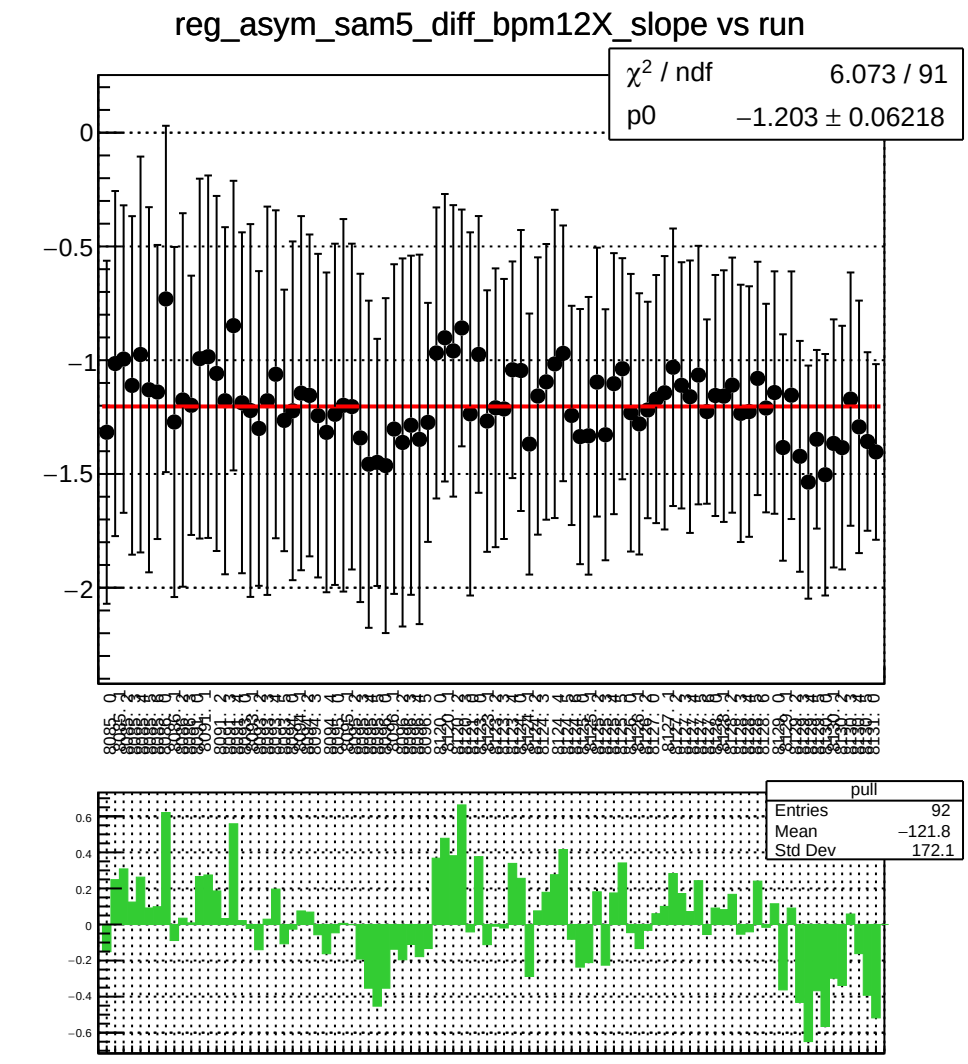

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 10.78 / 91
p0 107.6 ± 1.526
130
120
110
100
90
80
pull
Entries 92
Mean −124.6
Std Dev 171
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

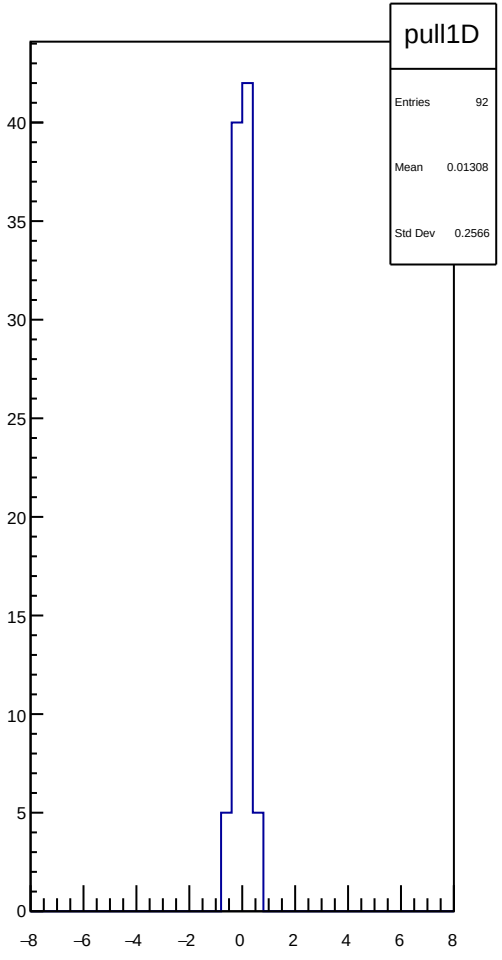

pull1D
Entries 92
Mean −0.04261
Std Dev 0.3396
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

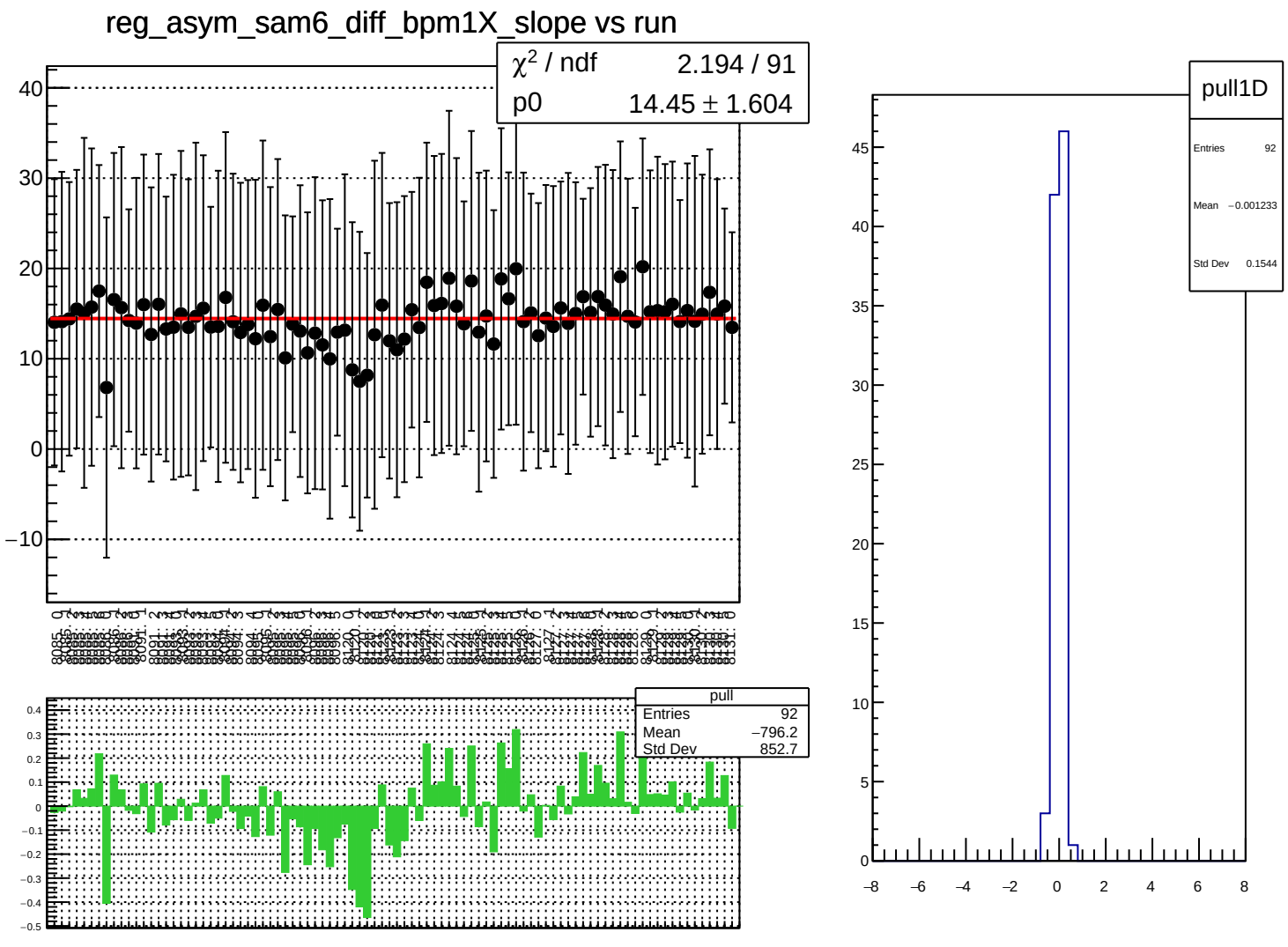

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.187 / 91
p0 9.162 ± 0.9944
pull
Entries 92
Mean −273.7
Std Dev 327.6

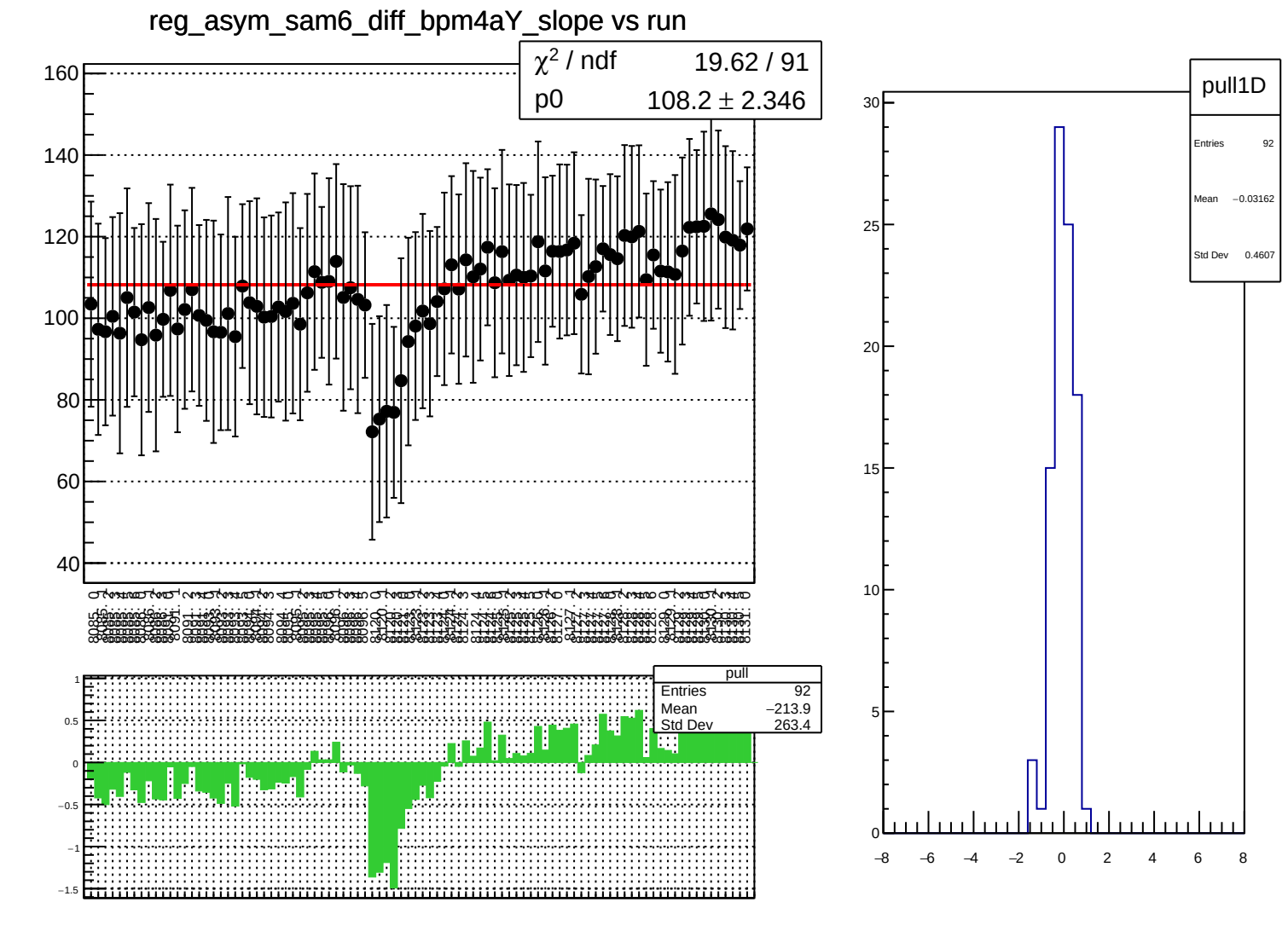

pull1D
Entries 92
Mean 0.002979
Std Dev 0.1541

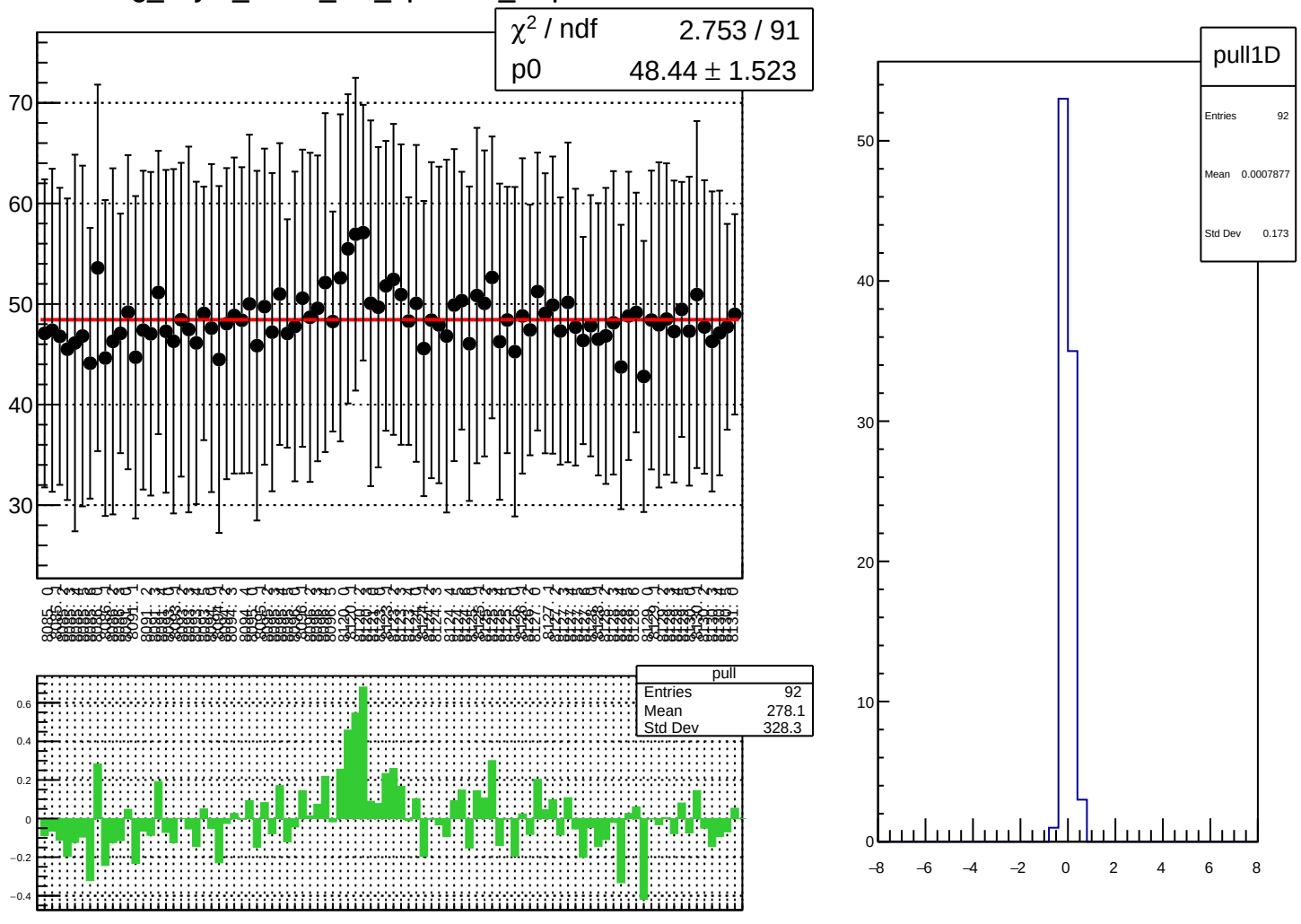

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 10.23 / 91
p0 43.29 ± 1.63
pull
Entries 92
Mean −112.4
Std Dev 161.1
pull1D
Entries 92
Mean 0.03898
Std Dev 0.3312

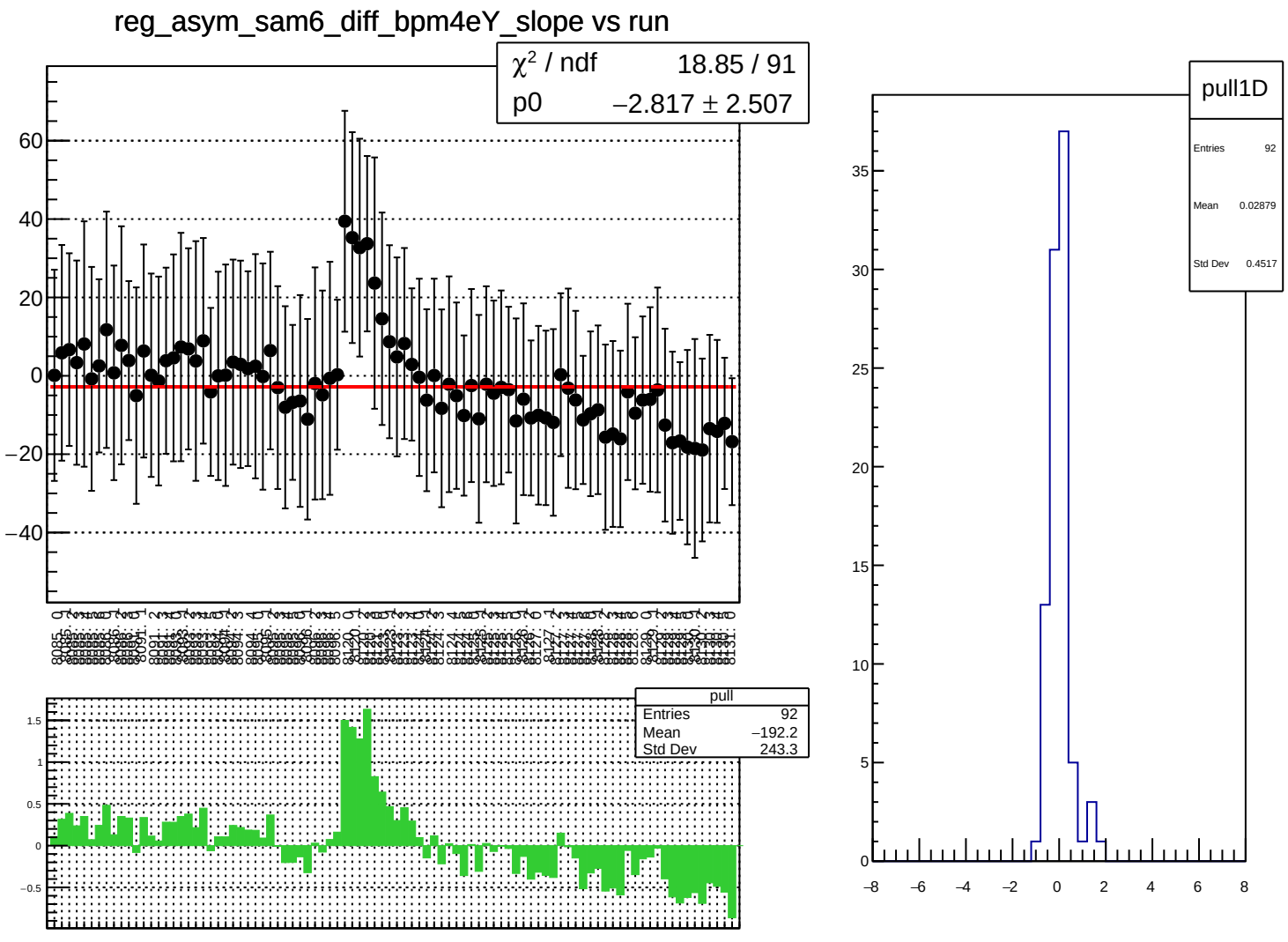

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 6.073 / 91
p0 −1.203 ± 0.06218
pull
Entries 92
Mean −121.8
Std Dev 172.1

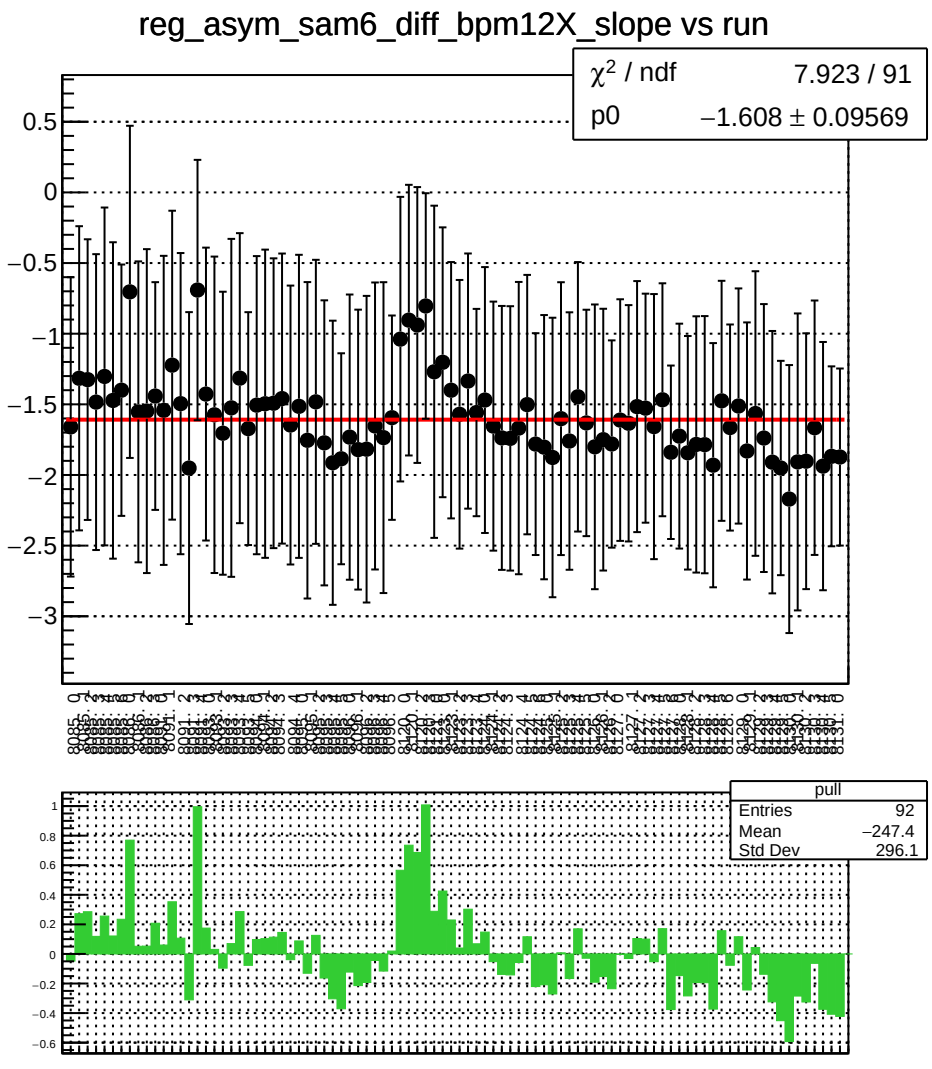

pull1D
Entries 92
Mean 0.01308
Std Dev 0.2566

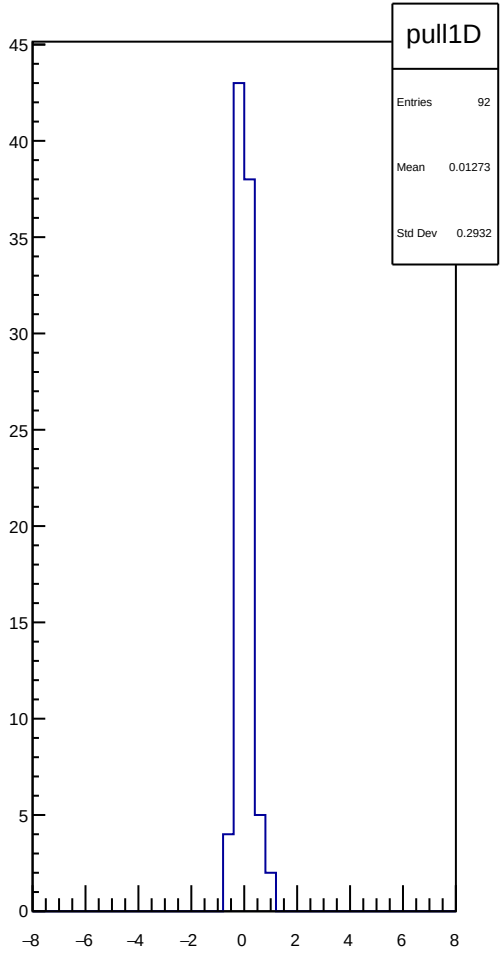

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.194 / 91
p0 14.45 ± 1.604
pull
Entries 92
Mean −796.2
Std Dev 852.7
pull1D
Entries 92
Mean −0.001233
Std Dev 0.1544

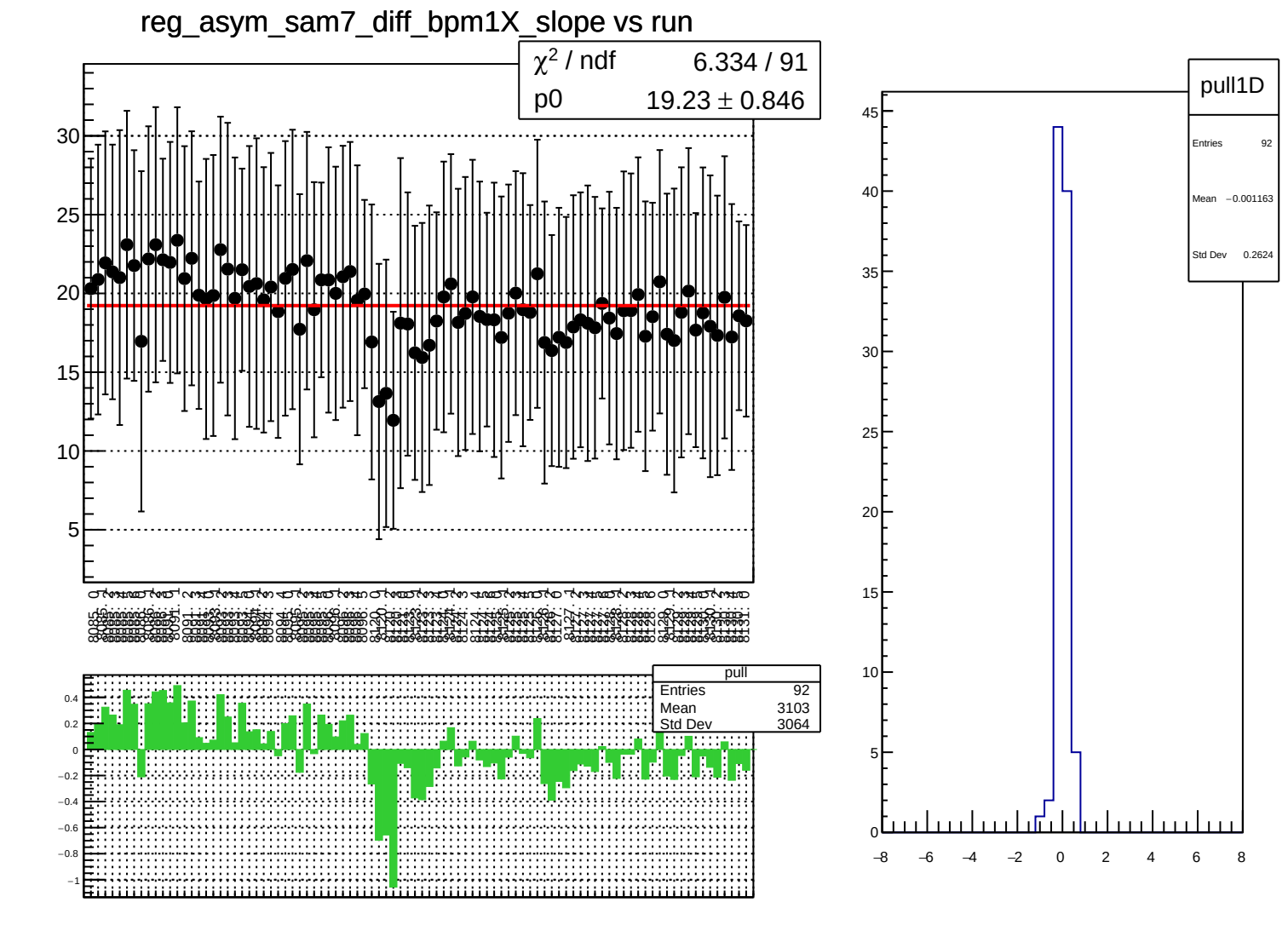

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 19.62 / 91
p0 108.2 ± 2.346
160
140
120
100
80
60
40
pull
Entries 92
Mean −213.9
Std Dev 263.4
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.03162
Std Dev 0.4607
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

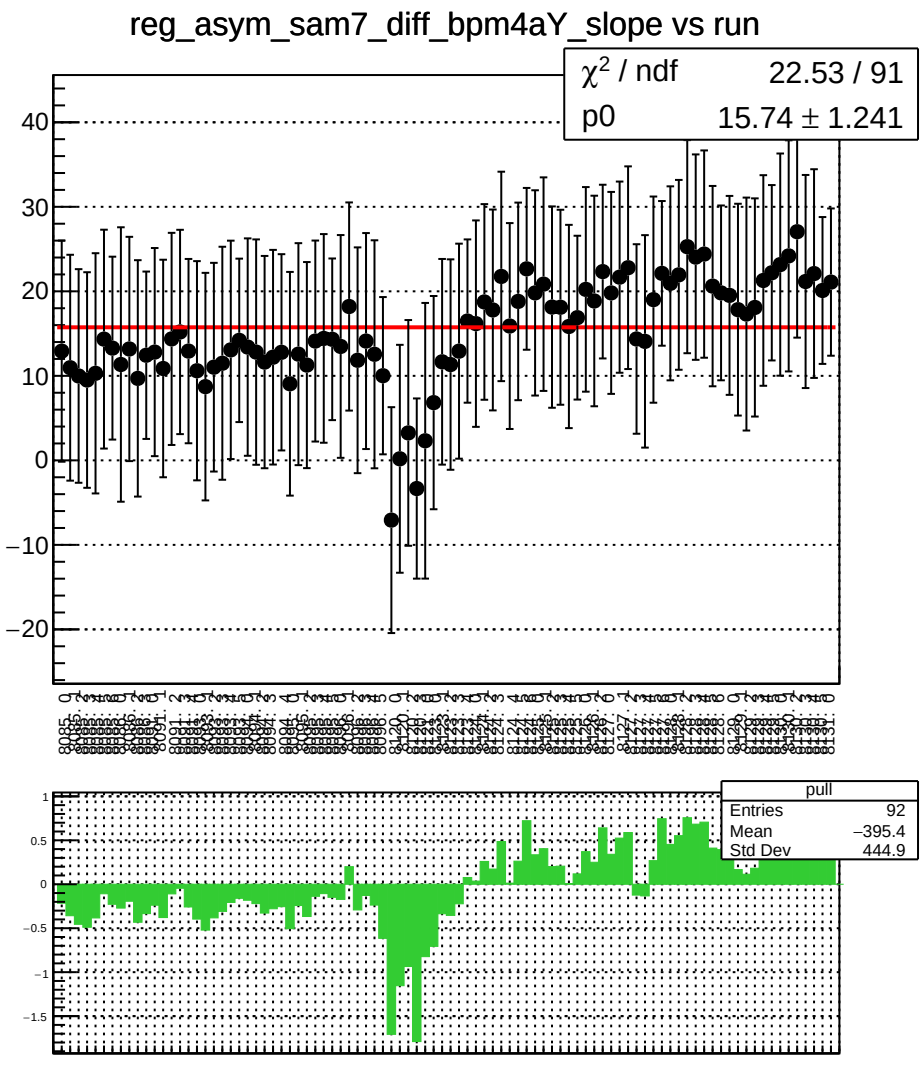

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.753 / 91
p0 48.44 ± 1.523
pull
Entries 92
Mean 278.1
Std Dev 328.3
pull1D
Entries 92
Mean 0.0007877
Std Dev 0.173

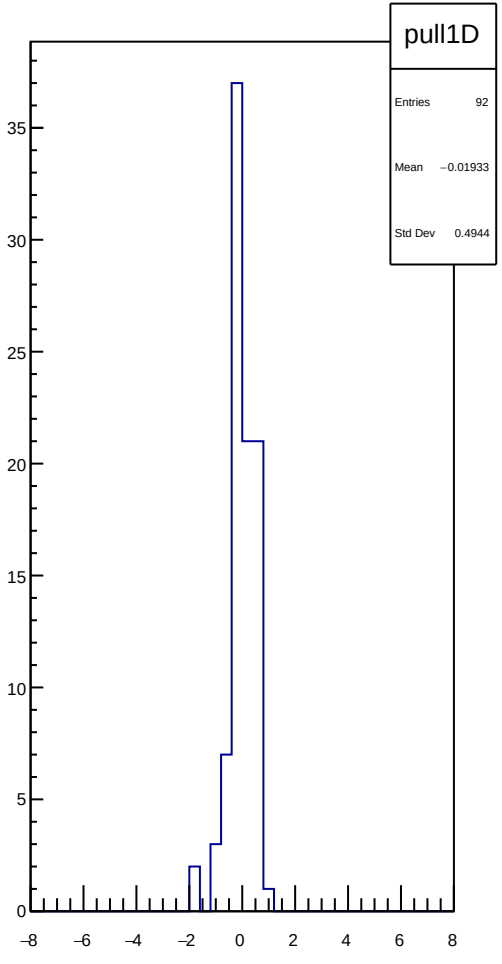

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 18.85 / 91
p0 −2.817 ± 2.507
pull
Entries 92
Mean −192.2
Std Dev 243.3
pull1D
Entries 92
Mean 0.02879
Std Dev 0.4517

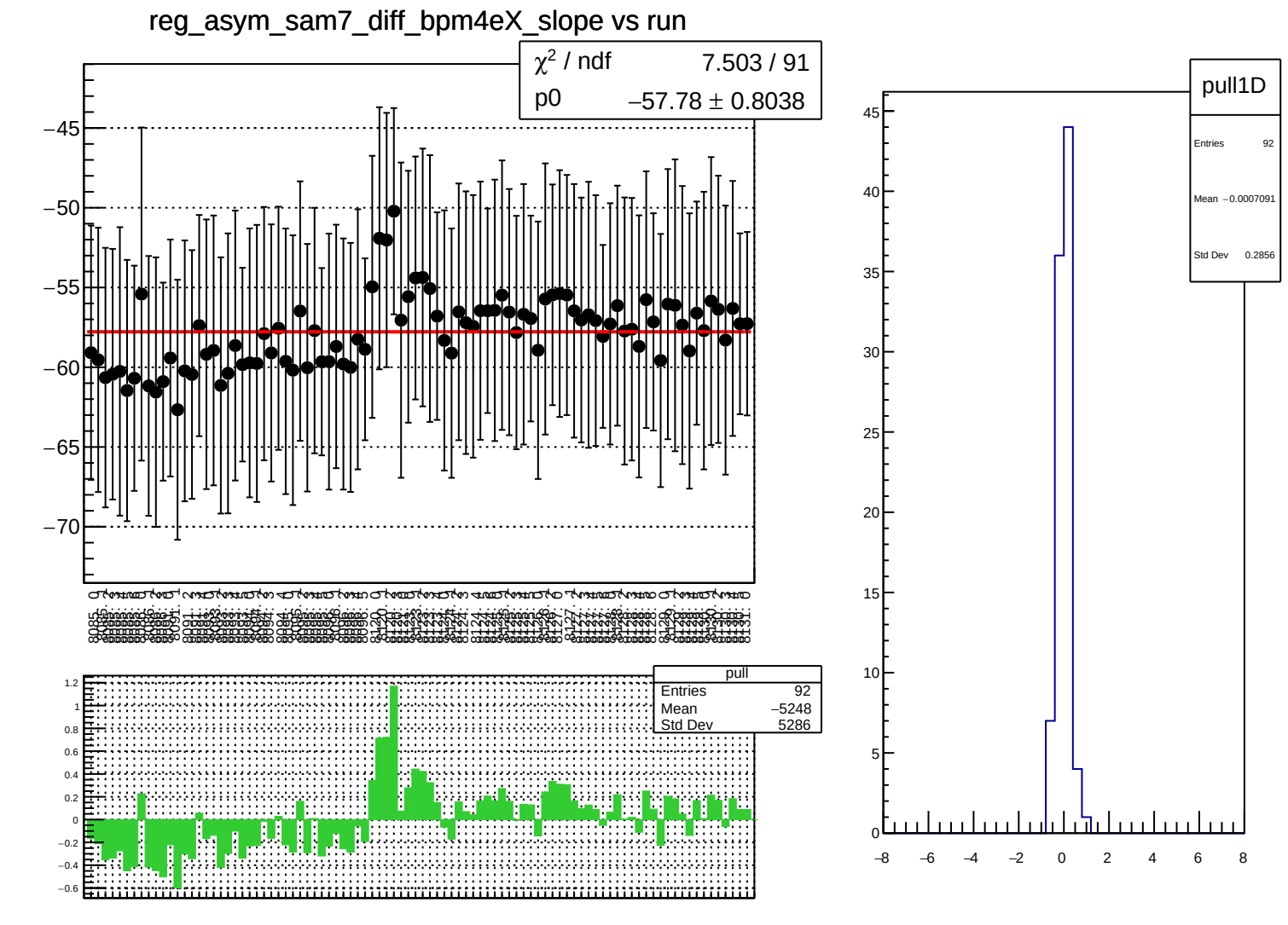

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 7.923 / 91
p0 −1.608 ± 0.09569
pull
Entries 92
Mean −247.4
Std Dev 296.1

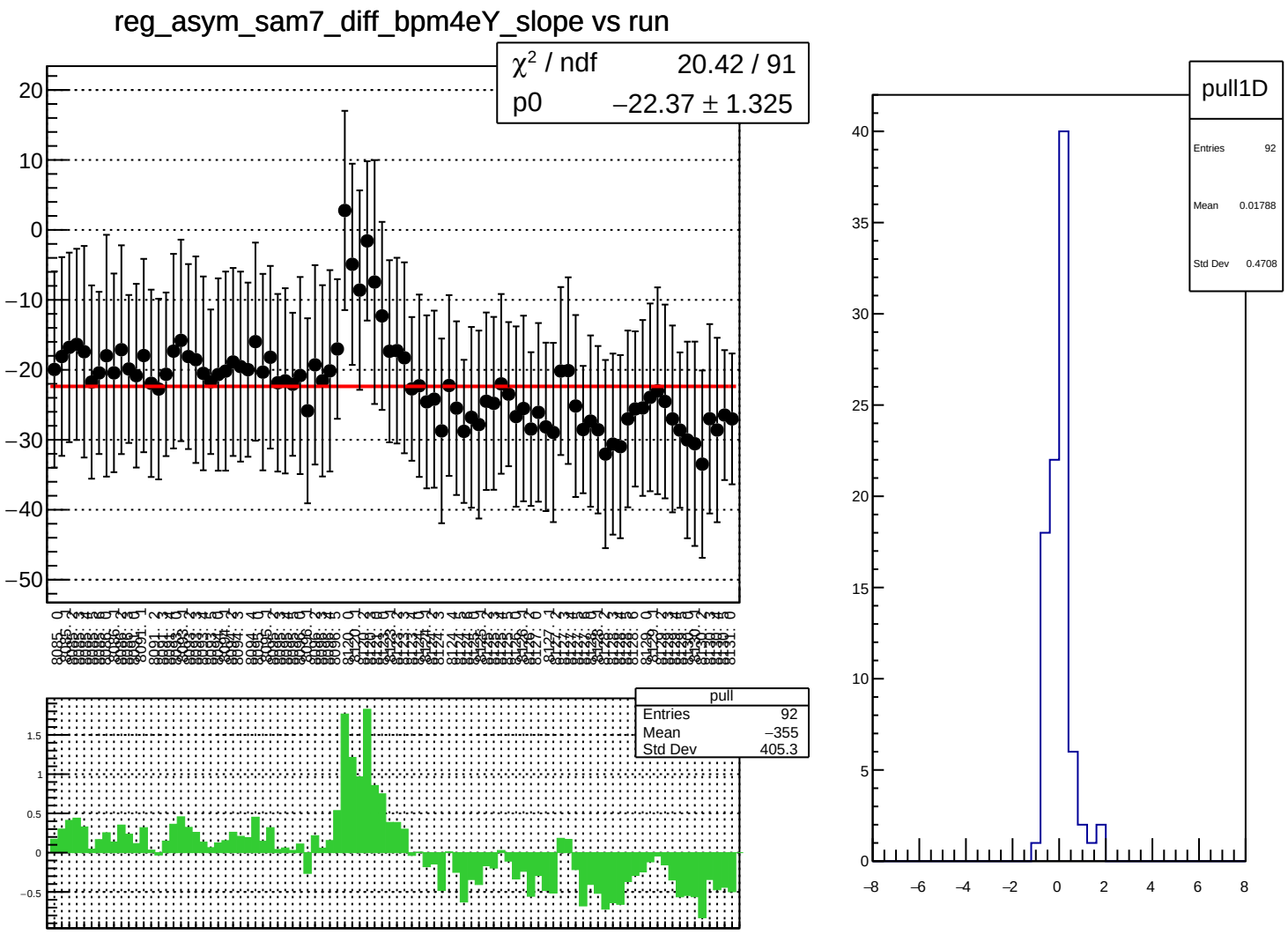

pull1D
Entries 92
Mean 0.01273
Std Dev 0.2932

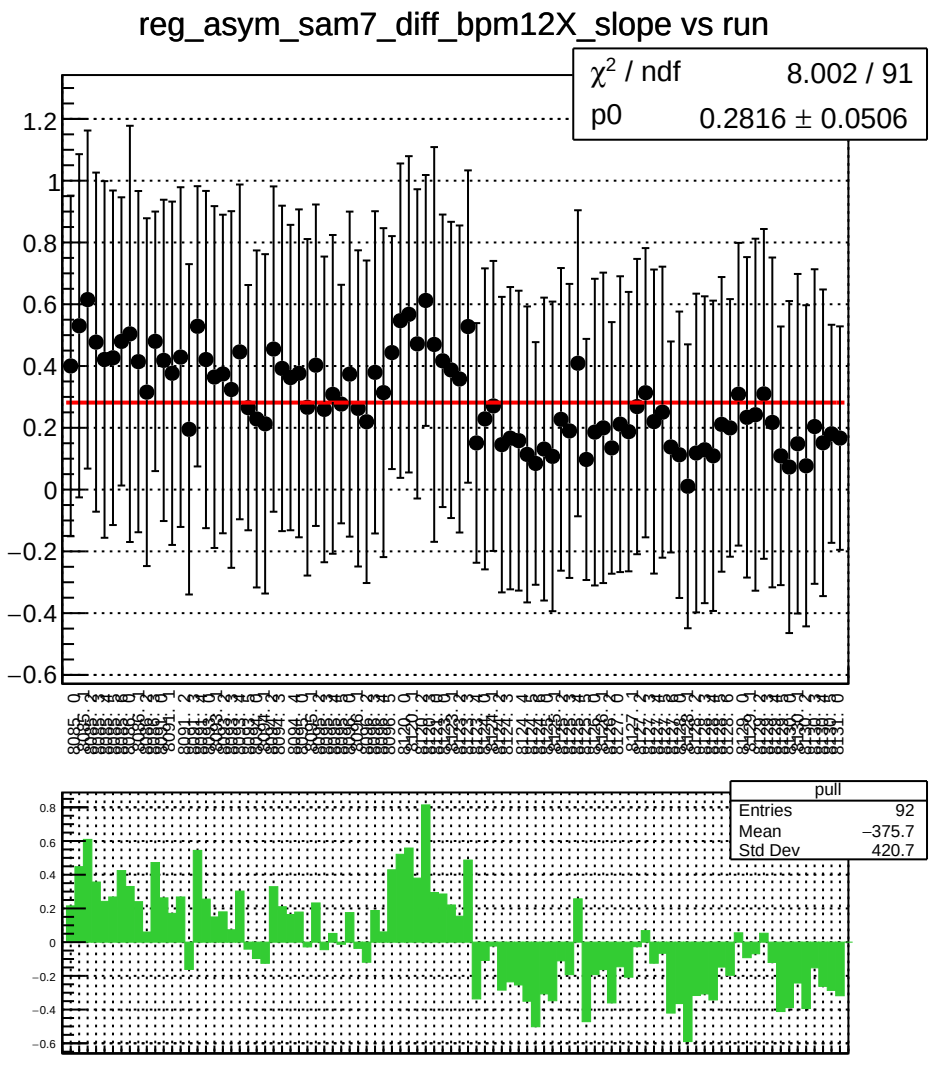

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 6.334 / 91
p0 19.23 ± 0.846
pull
Entries 92
Mean 3103
Std Dev 3064
pull1D
Entries 92
Mean −0.001163
Std Dev 0.2624

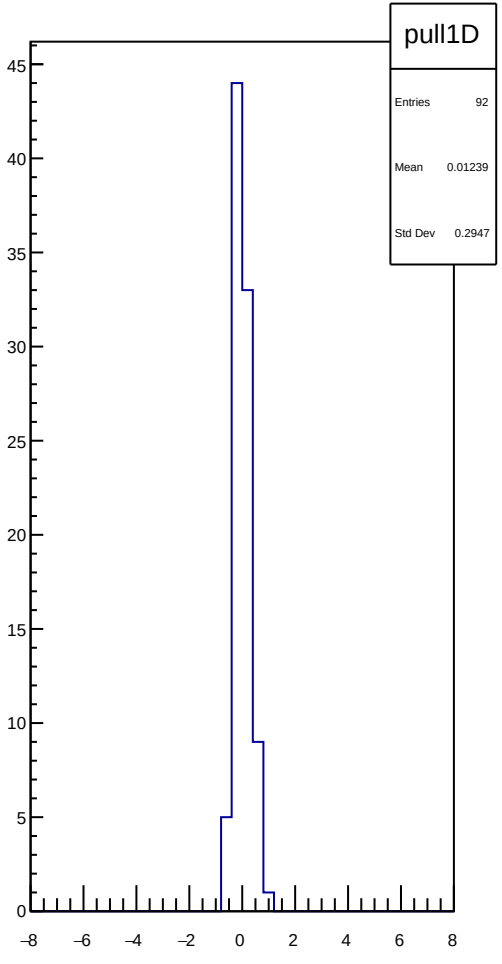

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 22.53 / 91
p0 15.74 ± 1.241
pull
Entries 92
Mean −395.4
Std Dev 444.9

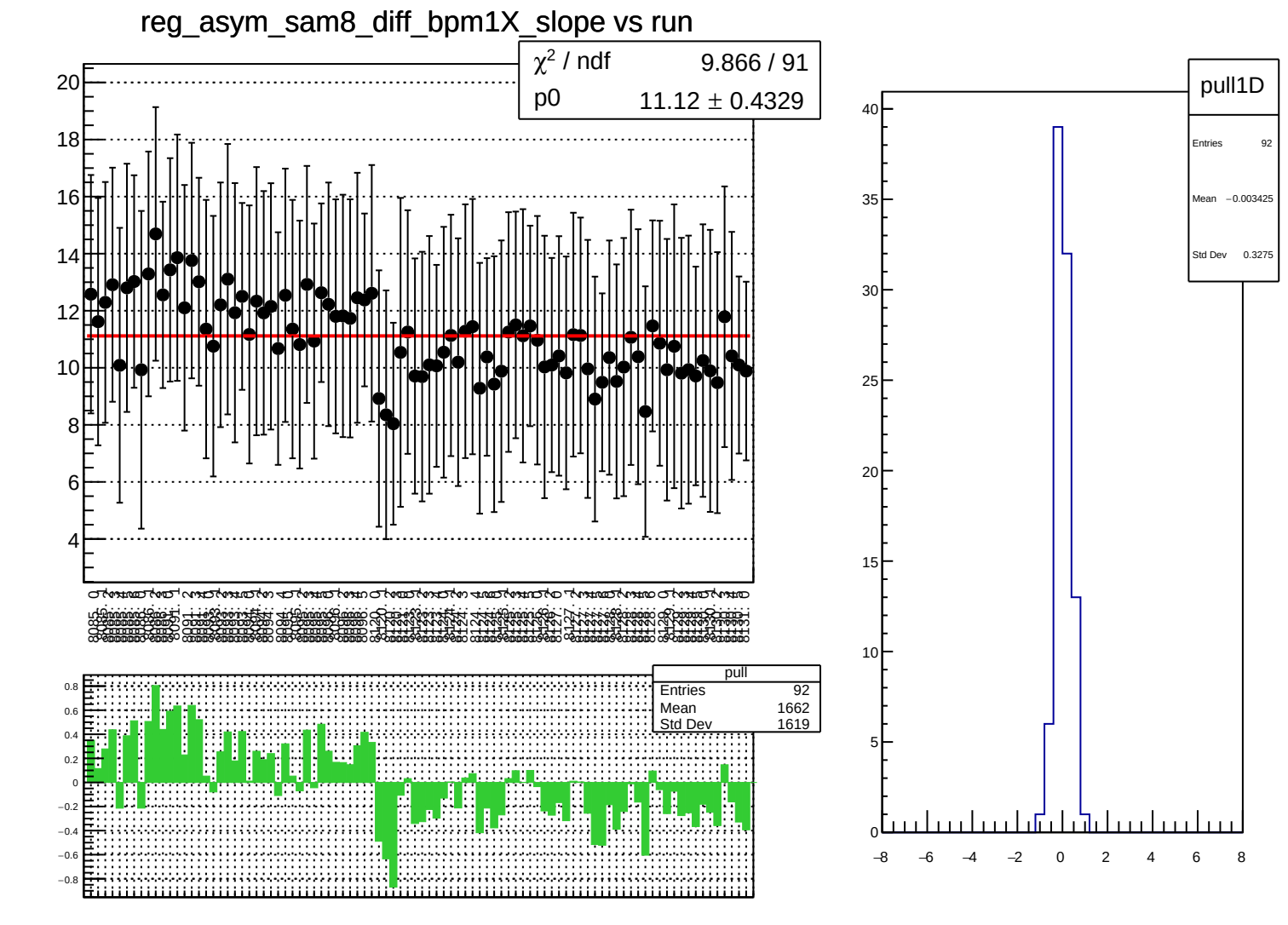

pull1D
Entries 92
Mean −0.01933
Std Dev 0.4944

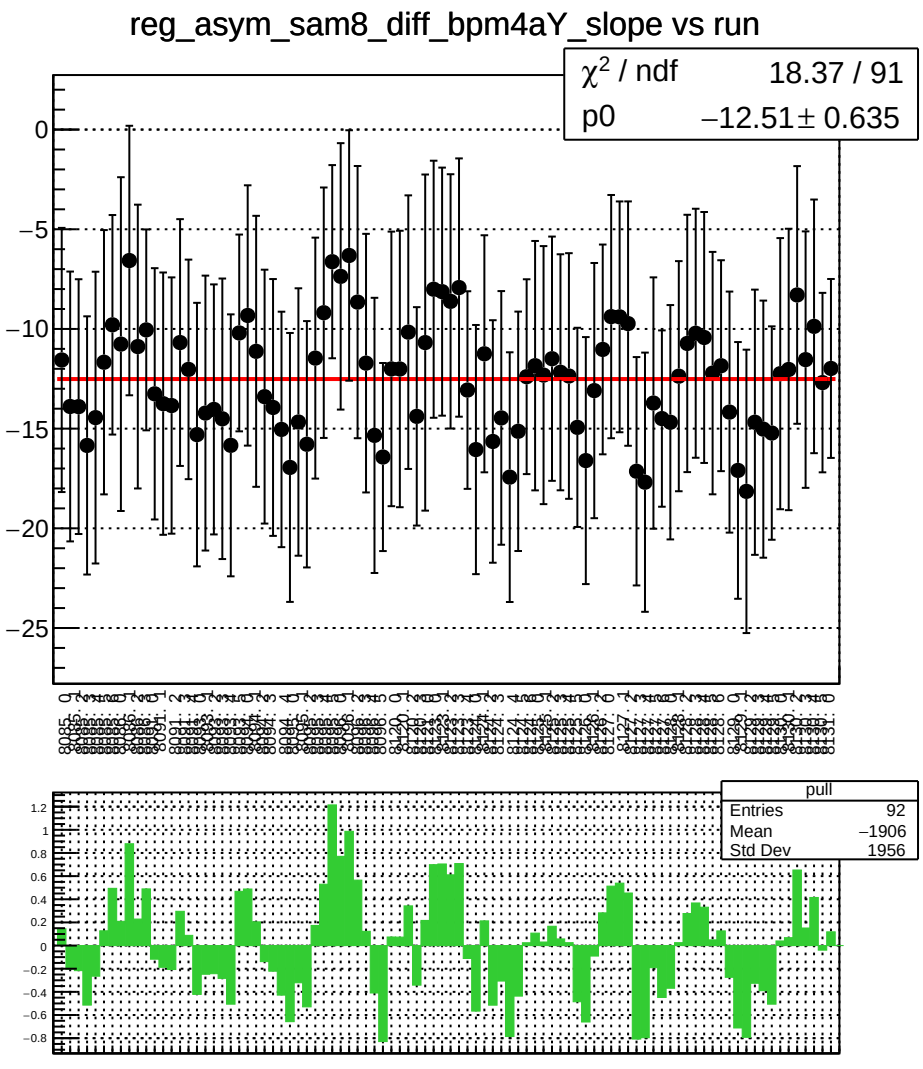

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 7.503 / 91
p0 −57.78 ± 0.8038
pull
Entries 92
Mean −5248
Std Dev 5286
pull1D
Entries 92
Mean −0.0007091
Std Dev 0.2856

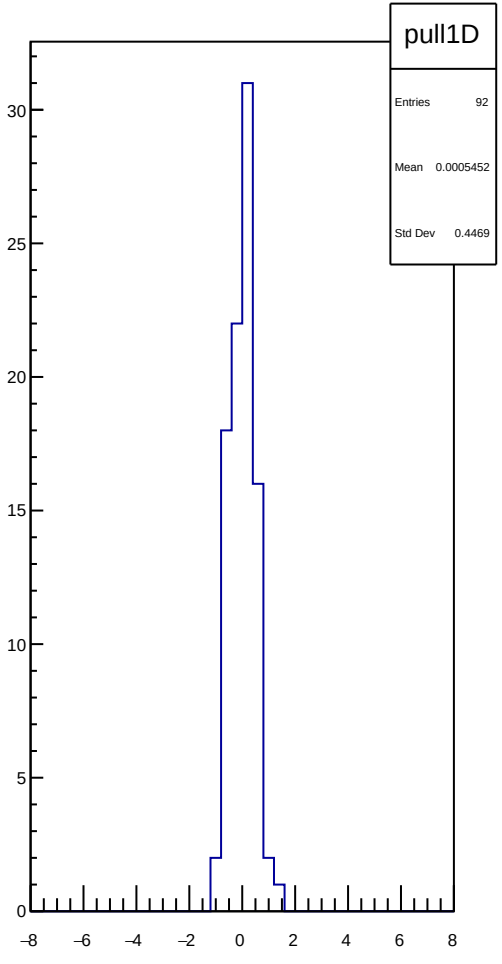

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 20.42 / 91
p0 −22.37 ± 1.325
pull
Entries 92
Mean −355
Std Dev 405.3
pull1D
Entries 92
Mean 0.01788
Std Dev 0.4708

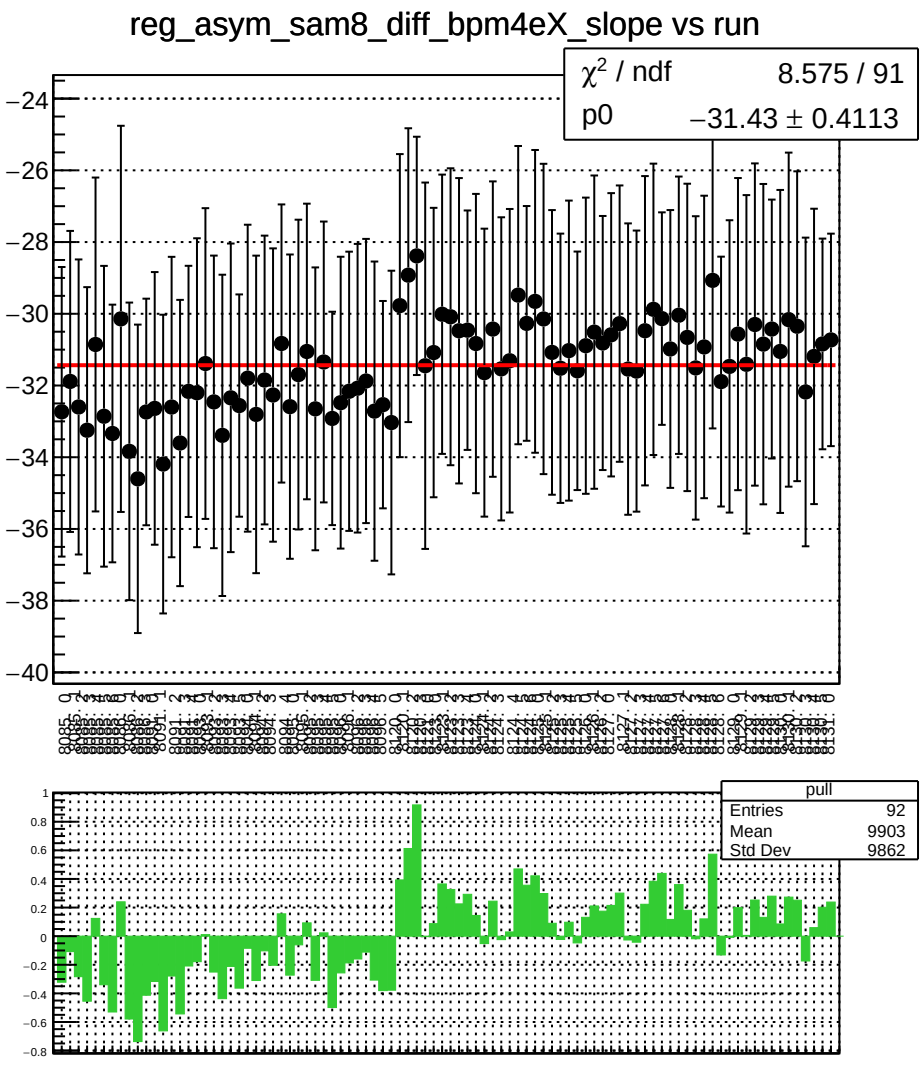

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 8.002 / 91
p0 0.2816 ± 0.0506
pull
Entries 92
Mean −375.7
Std Dev 420.7

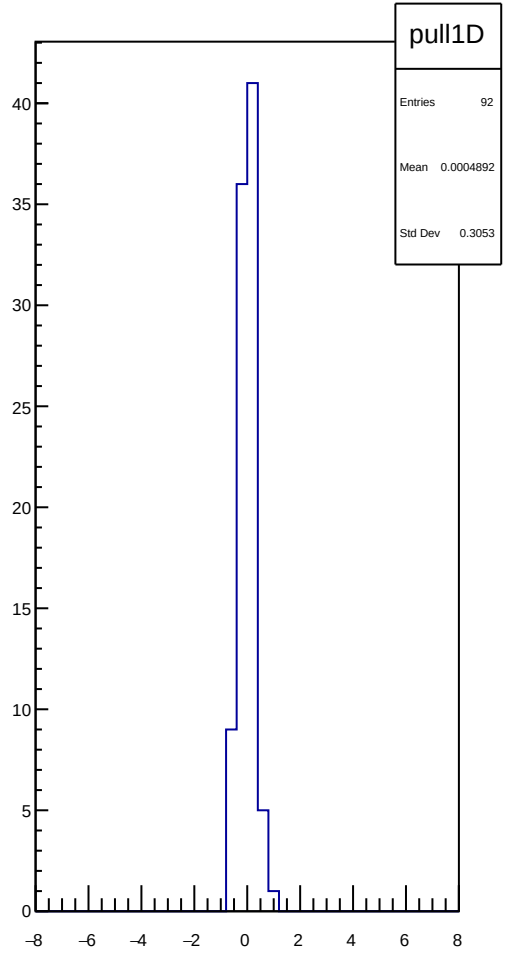

pull1D
Entries 92
Mean 0.01239
Std Dev 0.2947

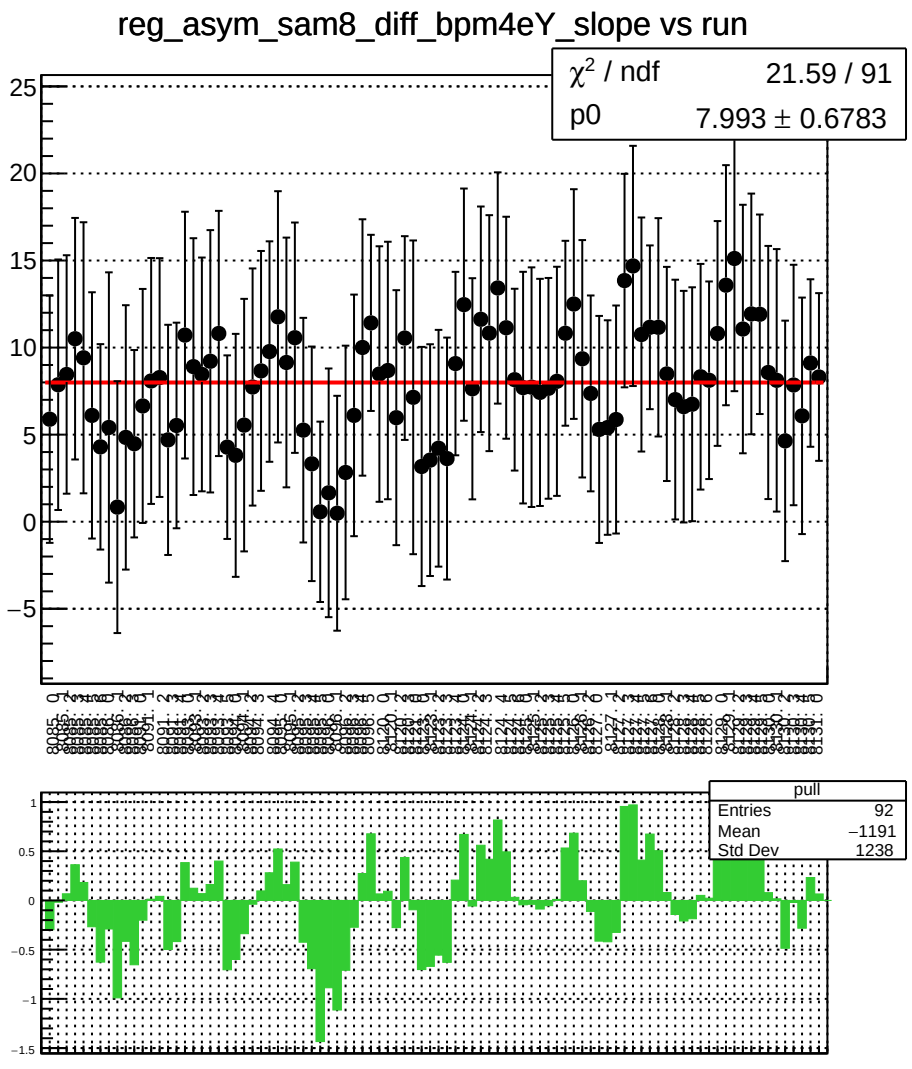

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 9.866 / 91
p0 11.12 ± 0.4329
pull
Entries 92
Mean 1662
Std Dev 1619
pull1D
Entries 92
Mean −0.003425
Std Dev 0.3275

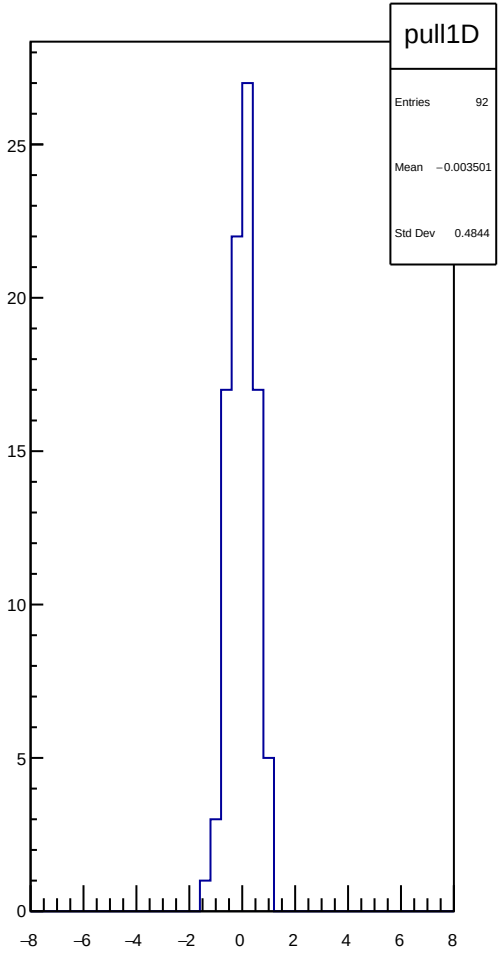

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 18.37 / 91
p0 −12.51 ± 0.635
pull
Entries 92
Mean −1906
Std Dev 1956

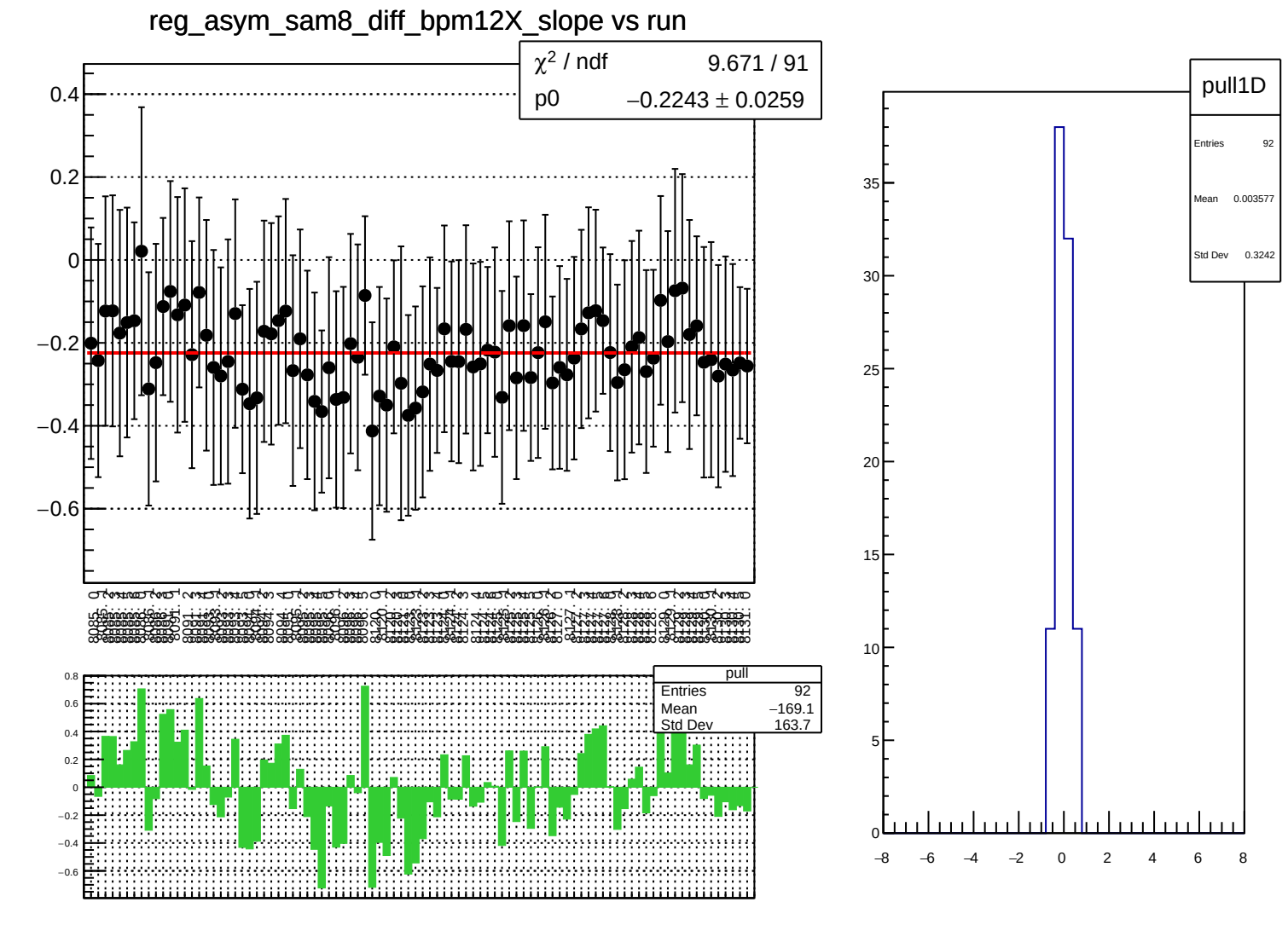

pull1D
Entries 92
Mean 0.0005452
Std Dev 0.4469

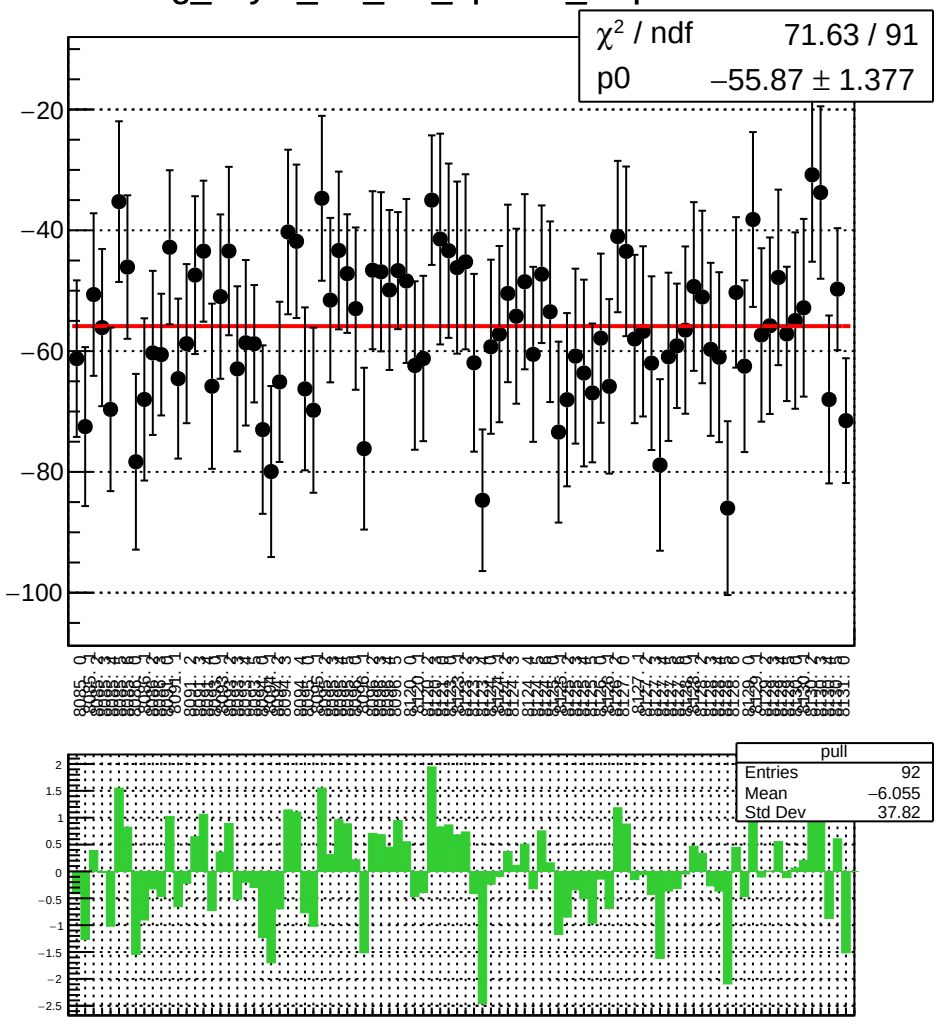

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 8.575 / 91
p0 −31.43 ± 0.4113
pull
Entries 92
Mean 9903
Std Dev 9862

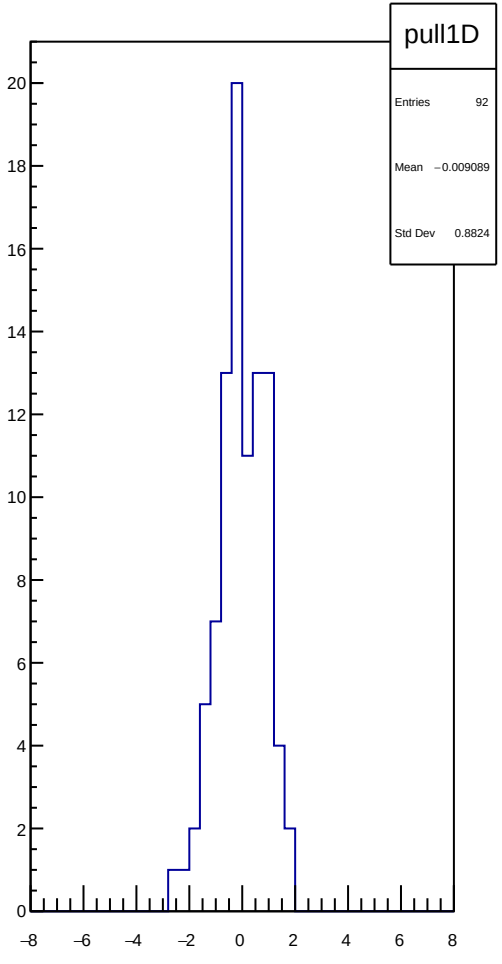

pull1D
Entries 92
Mean 0.0004892
Std Dev 0.3053

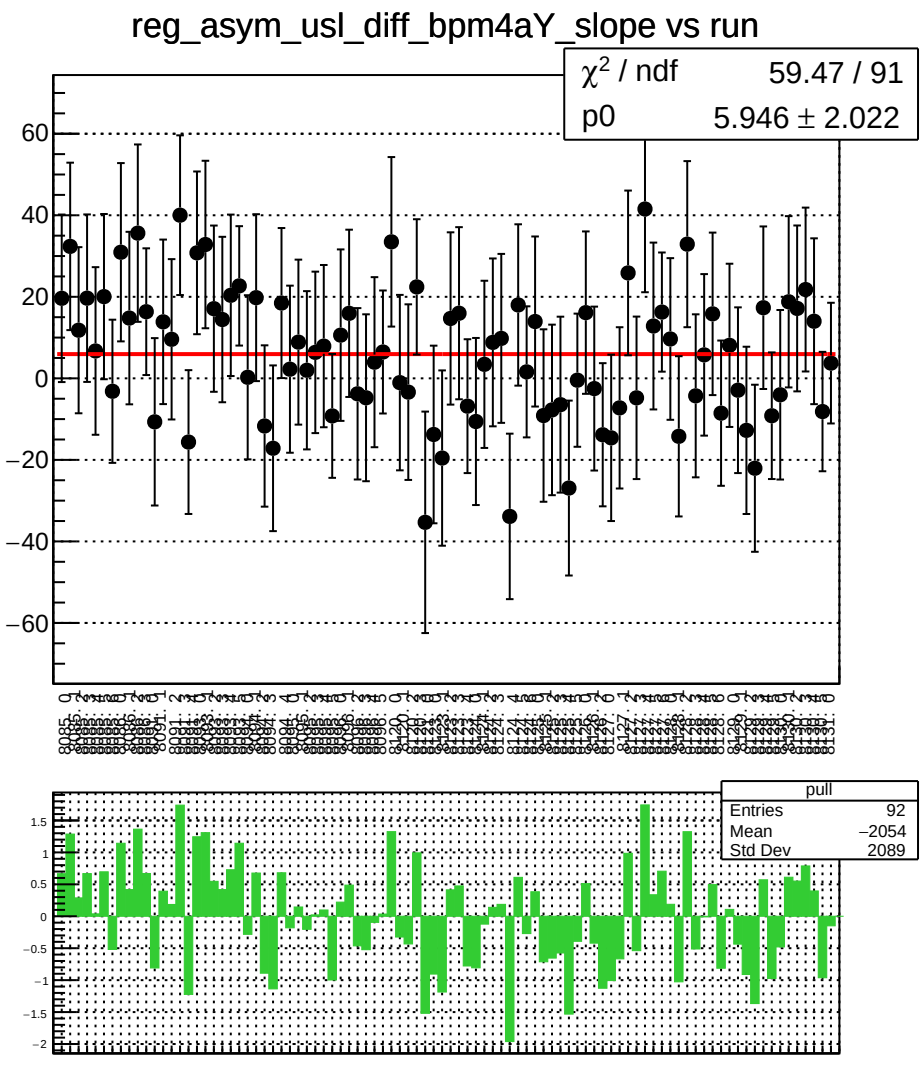

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 21.59 / 91
p0 7.993 ± 0.6783
pull
Entries 92
Mean −1191
Std Dev 1238

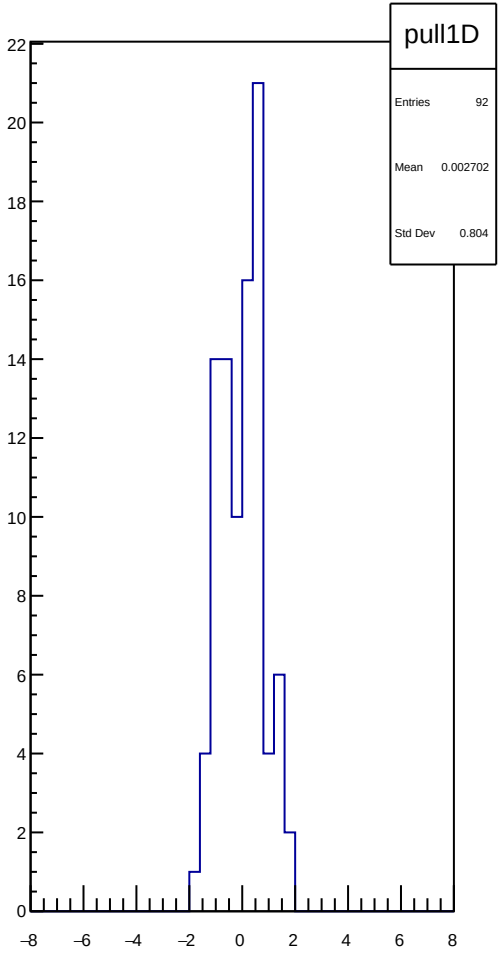

pull1D
Entries 92
Mean −0.003501
Std Dev 0.4844

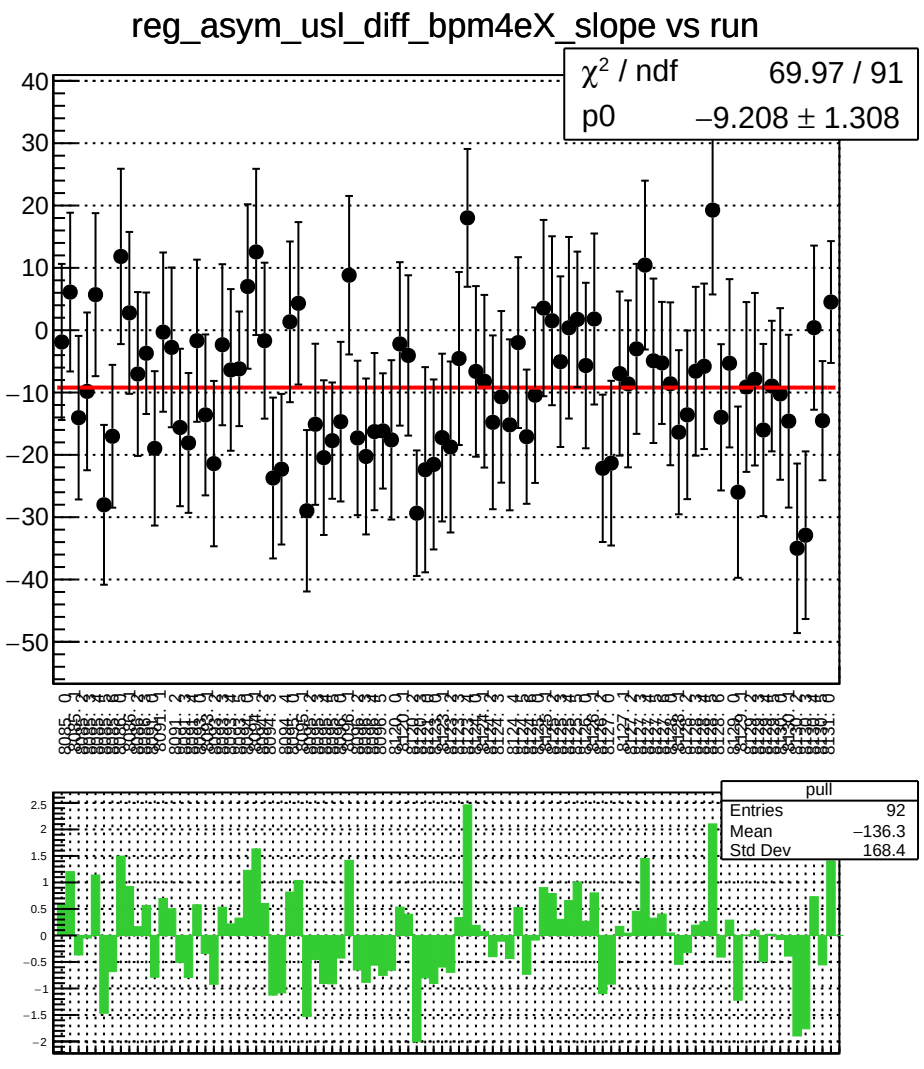

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 9.671 / 91
p0 −0.2243 ± 0.0259
pull
Entries 92
Mean −169.1
Std Dev 163.7
pull1D
Entries 92
Mean 0.003577
Std Dev 0.3242

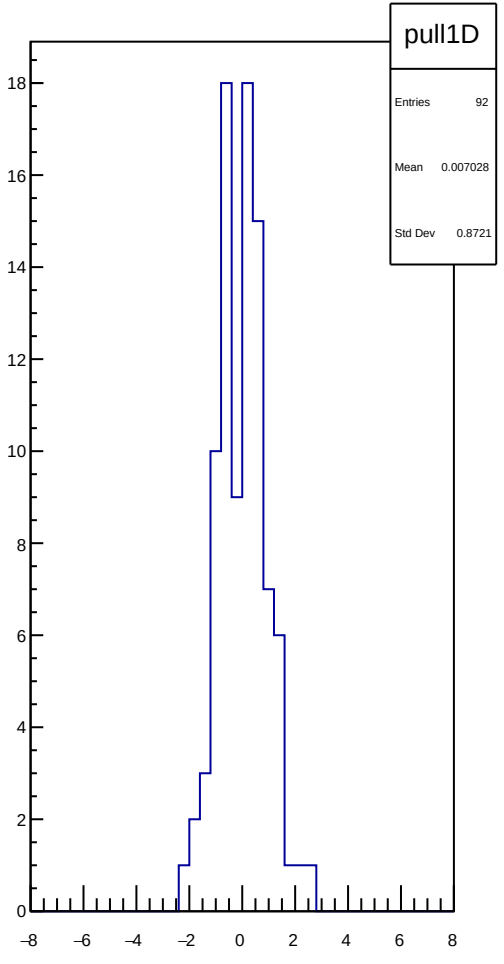

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 71.63 / 91
p0 −55.87 ± 1.377
pull
Entries 92
Mean −6.055
Std Dev 37.82

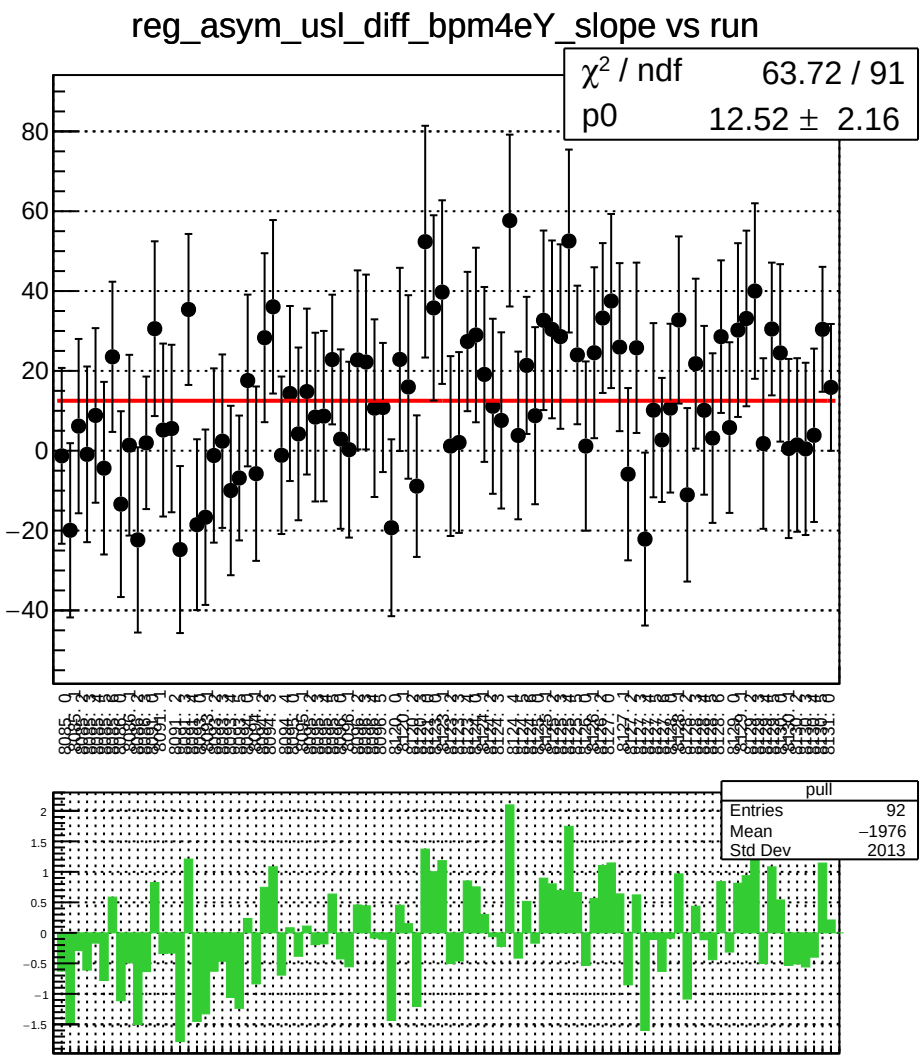

pull1D
Entries 92
Mean −0.009089
Std Dev 0.8824

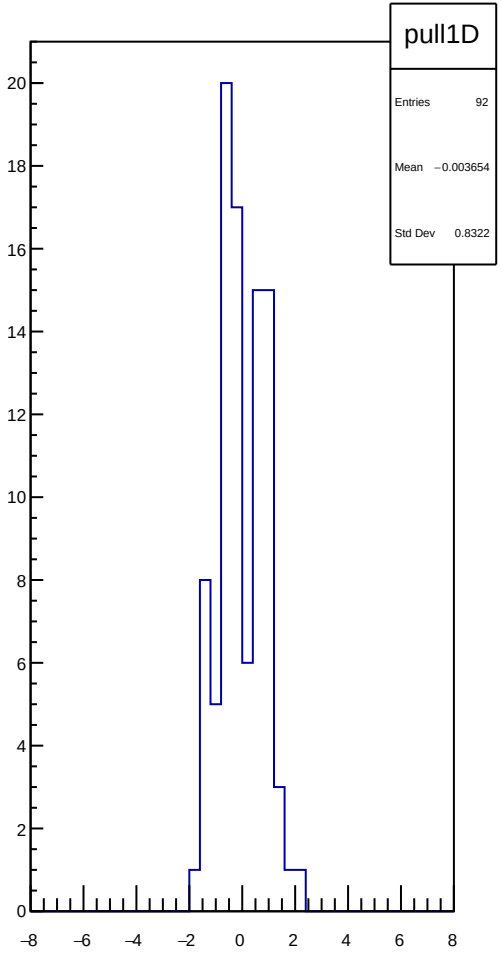

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 59.47 / 91
p0 5.946 ± 2.022
pull
Entries 92
Mean −2054
Std Dev 2089

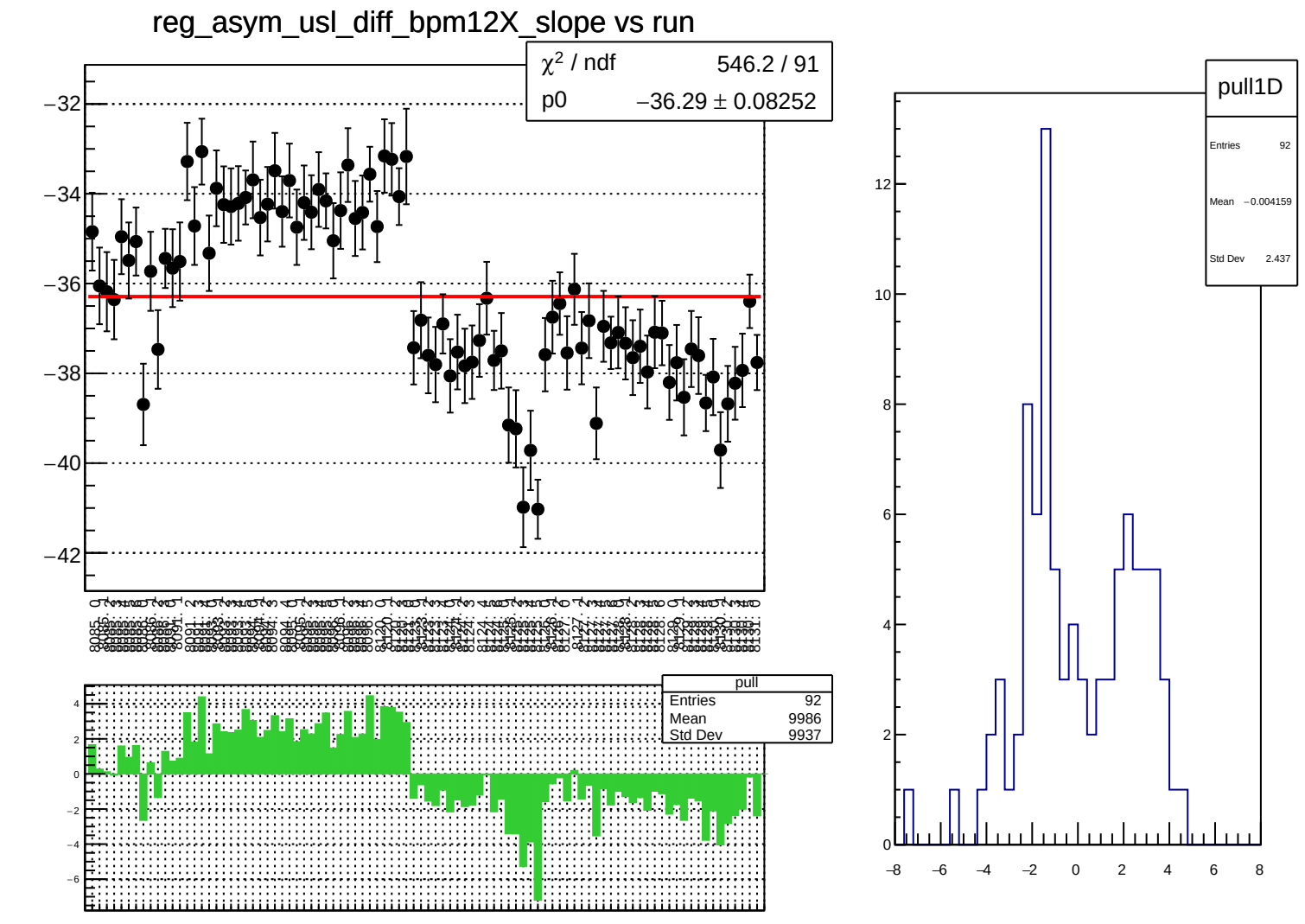

pull1D
Entries 92
Mean 0.002702
Std Dev 0.804

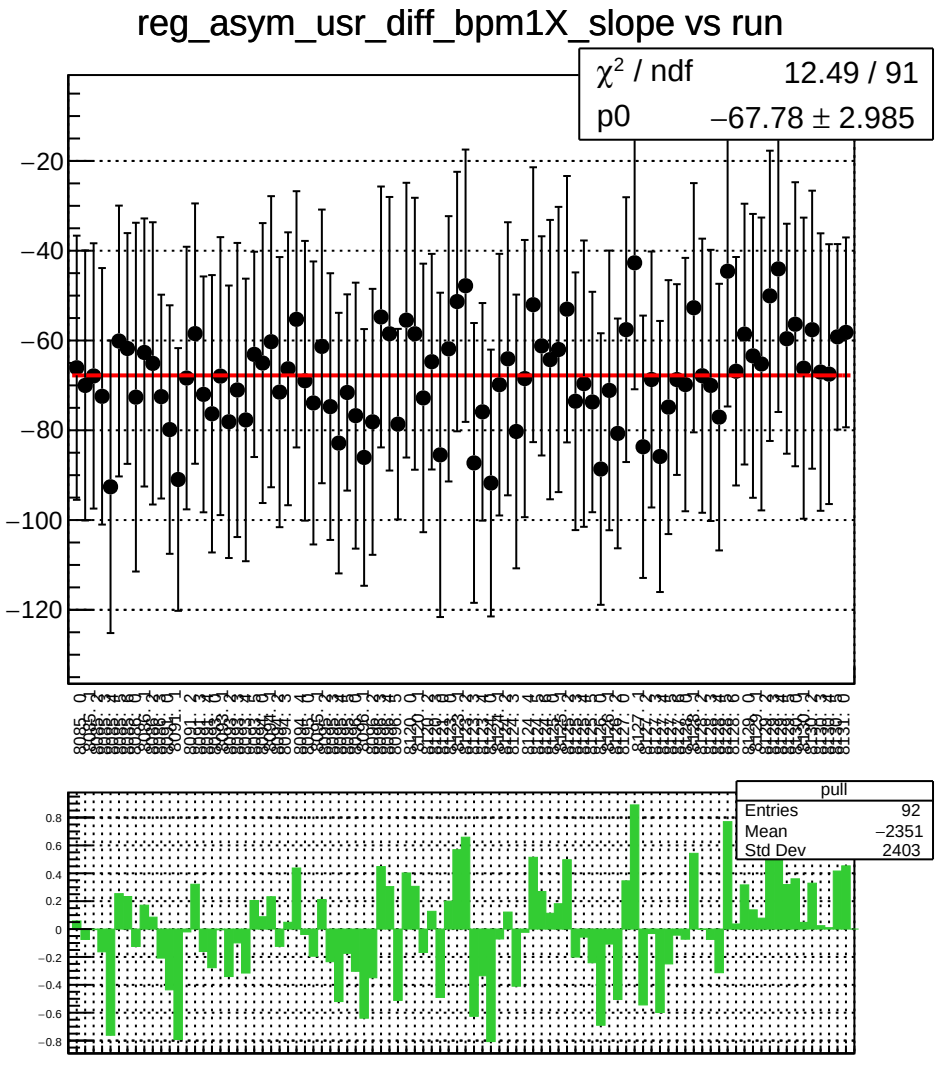

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 69.97 / 91
p0 −9.208 ± 1.308
pull
Entries 92
Mean −136.3
Std Dev 168.4

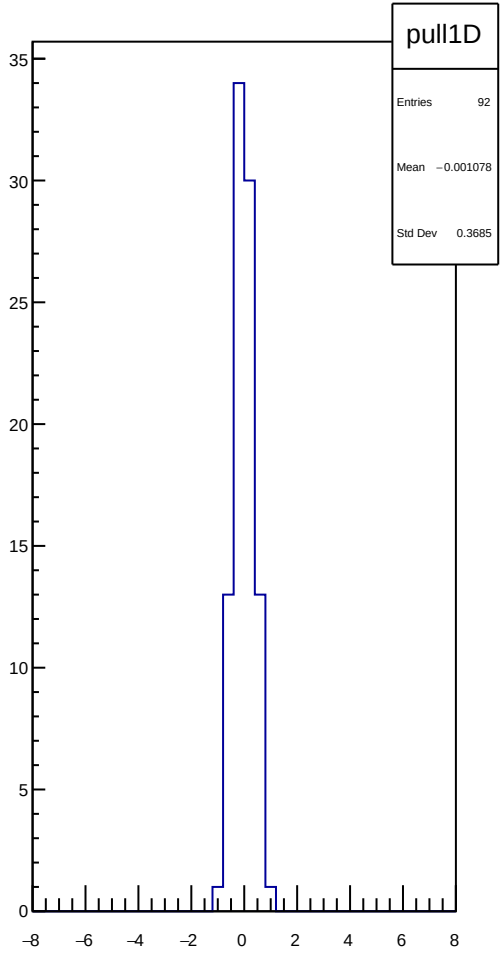

pull1D
Entries 92
Mean 0.007028
Std Dev 0.8721

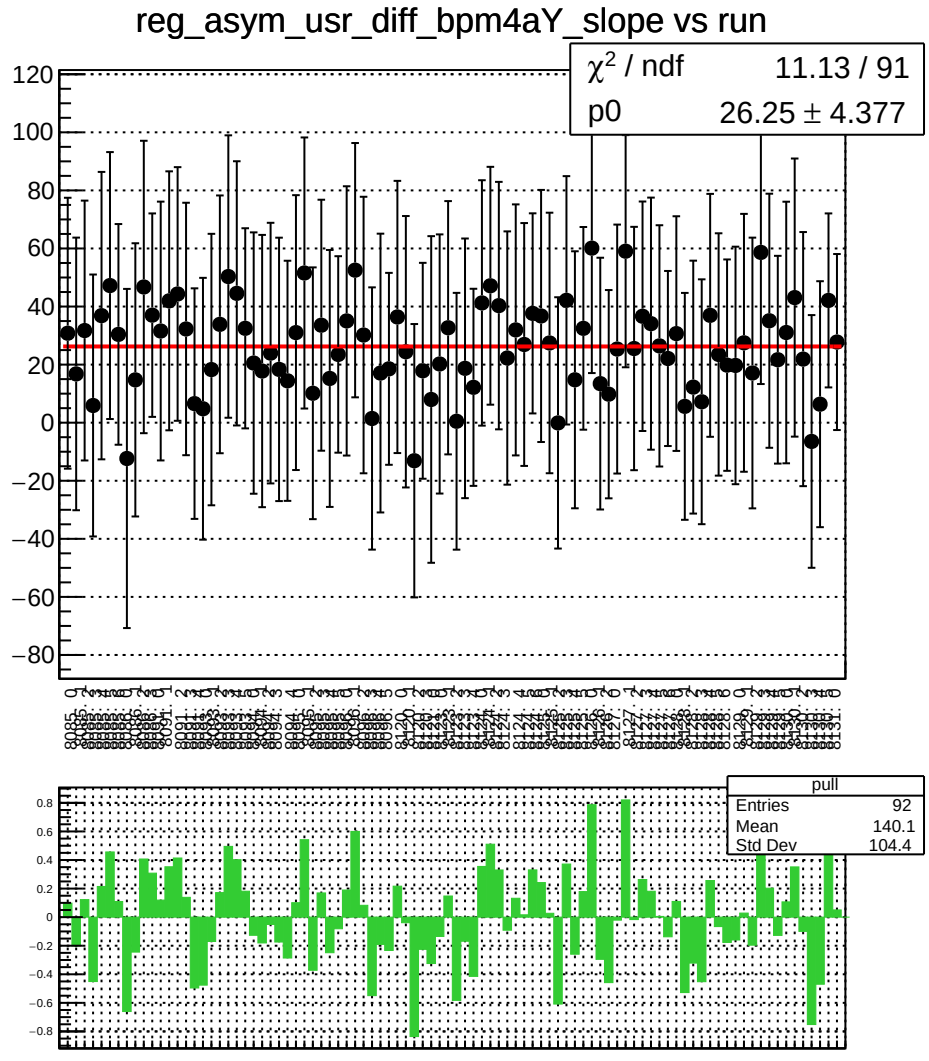

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 63.72 / 91
p0 12.52 ± 2.16
pull
Entries 92
Mean −1976
Std Dev 2013

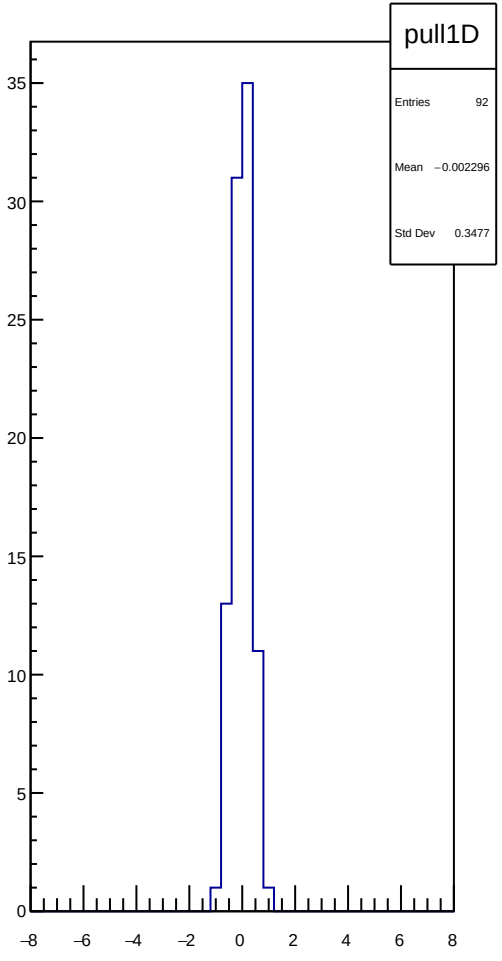

pull1D
Entries 92
Mean −0.003654
Std Dev 0.8322

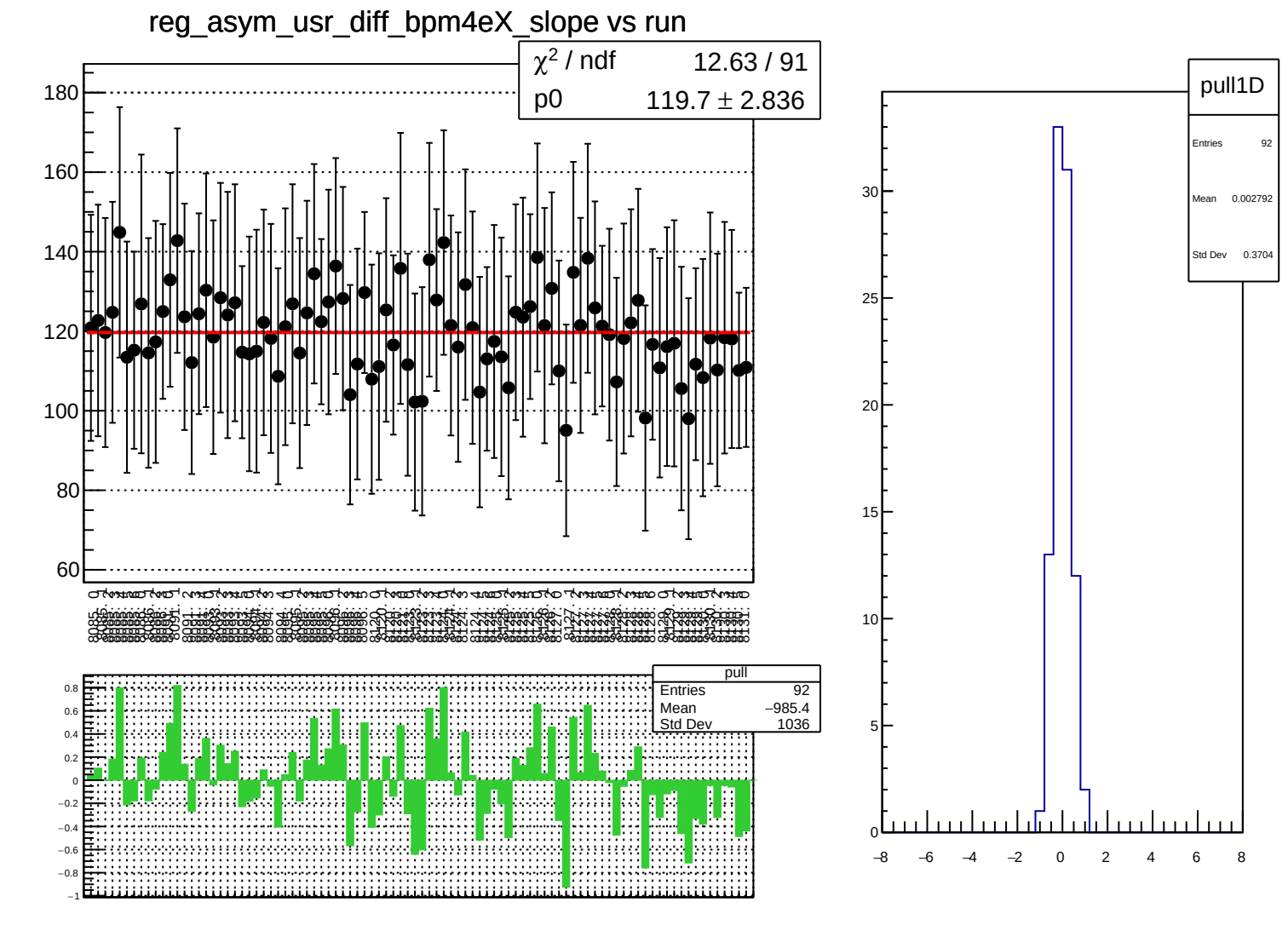

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 546.2 / 91
p0 −36.29 ± 0.08252
−32
−34
−36
−38
−40
−42
pull
Entries 92
Mean 9986
Std Dev 9937
4
2
0
−2
−4
−6
pull1D
Entries 92
Mean −0.004159
Std Dev 2.437
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

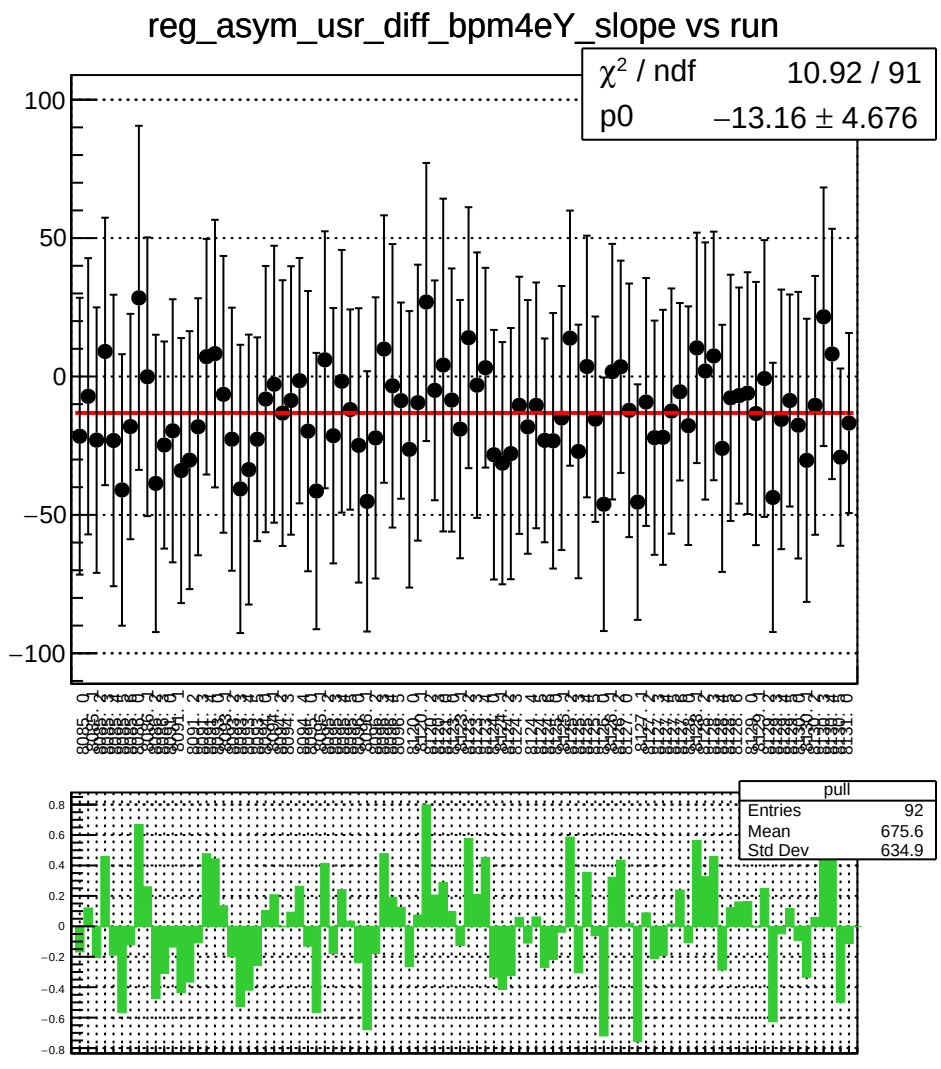

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 12.49 / 91
p0 −67.78 ± 2.985
pull
Entries 92
Mean −2351
Std Dev 2403

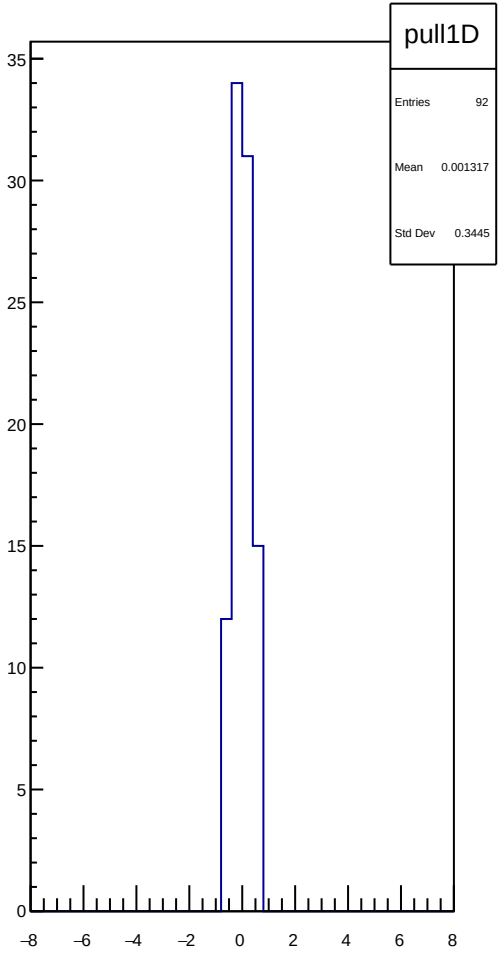

pull1D
Entries 92
Mean −0.001078
Std Dev 0.3685

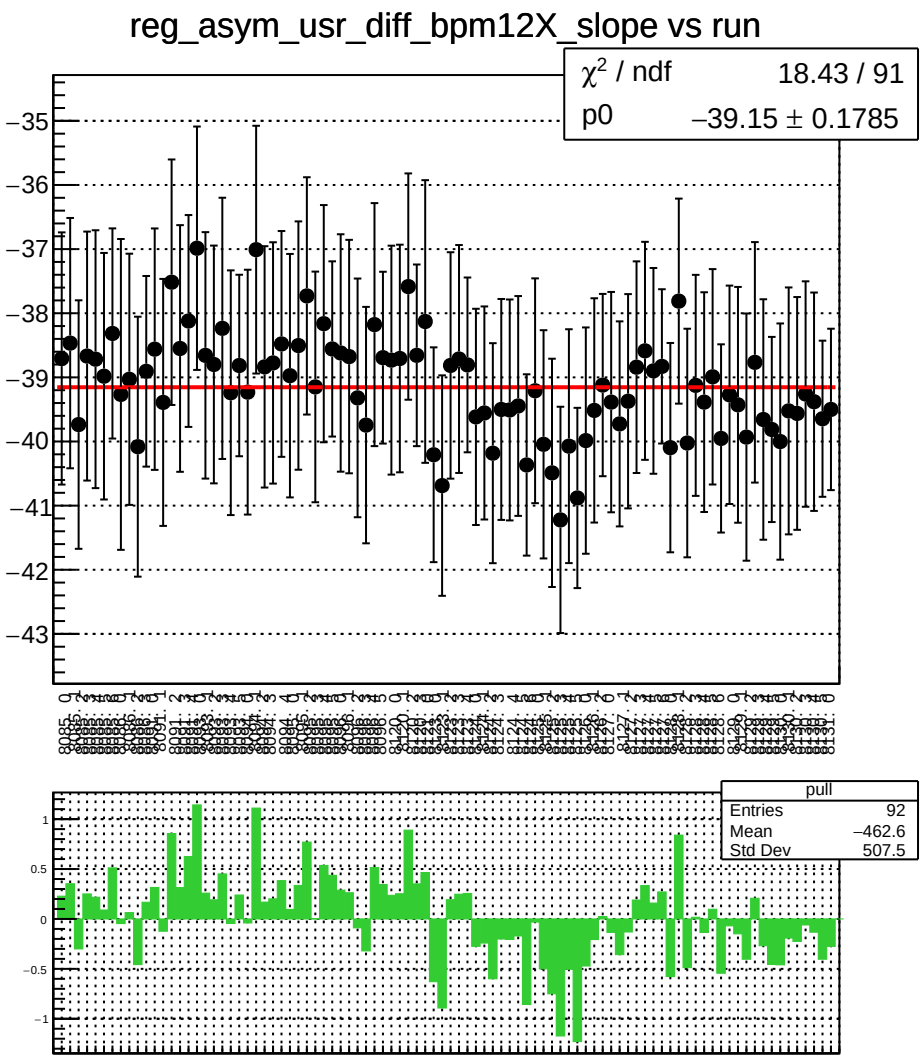

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 11.13 / 91
p0 26.25 ± 4.377
pull
Entries 92
Mean 140.1
Std Dev 104.4

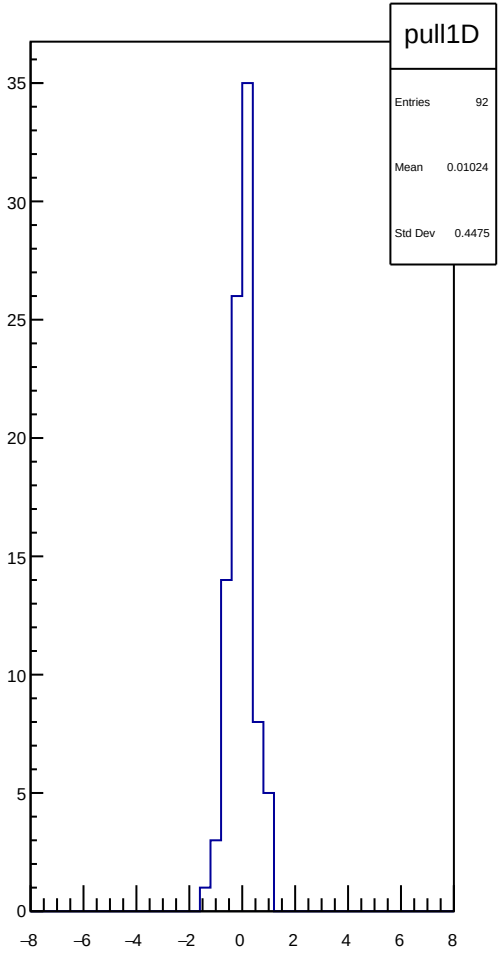

pull1D
Entries 92
Mean −0.002296
Std Dev 0.3477

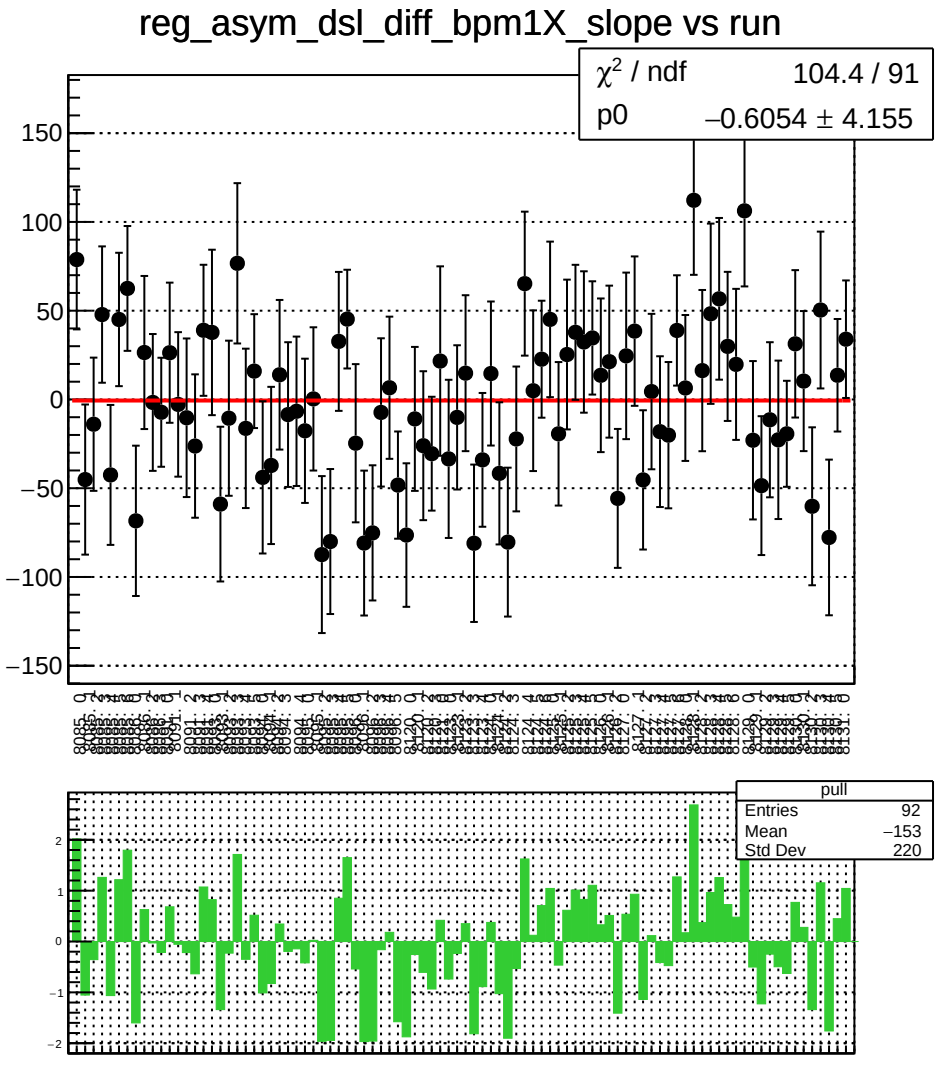

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 12.63 / 91
p0 119.7 ± 2.836
pull
Entries 92
Mean −985.4
Std Dev 1036
pull1D
Entries 92
Mean 0.002792
Std Dev 0.3704

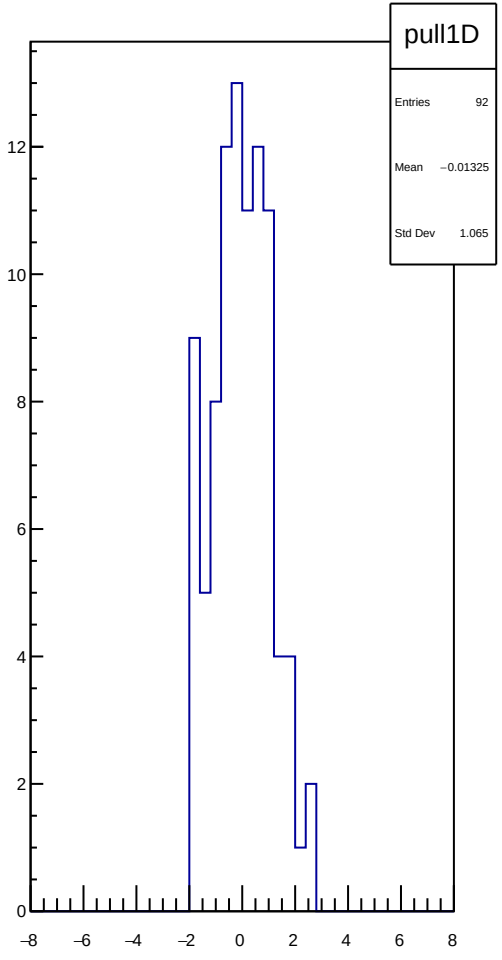

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 10.92 / 91
p0 −13.16 ± 4.676
pull
Entries 92
Mean 675.6
Std Dev 634.9

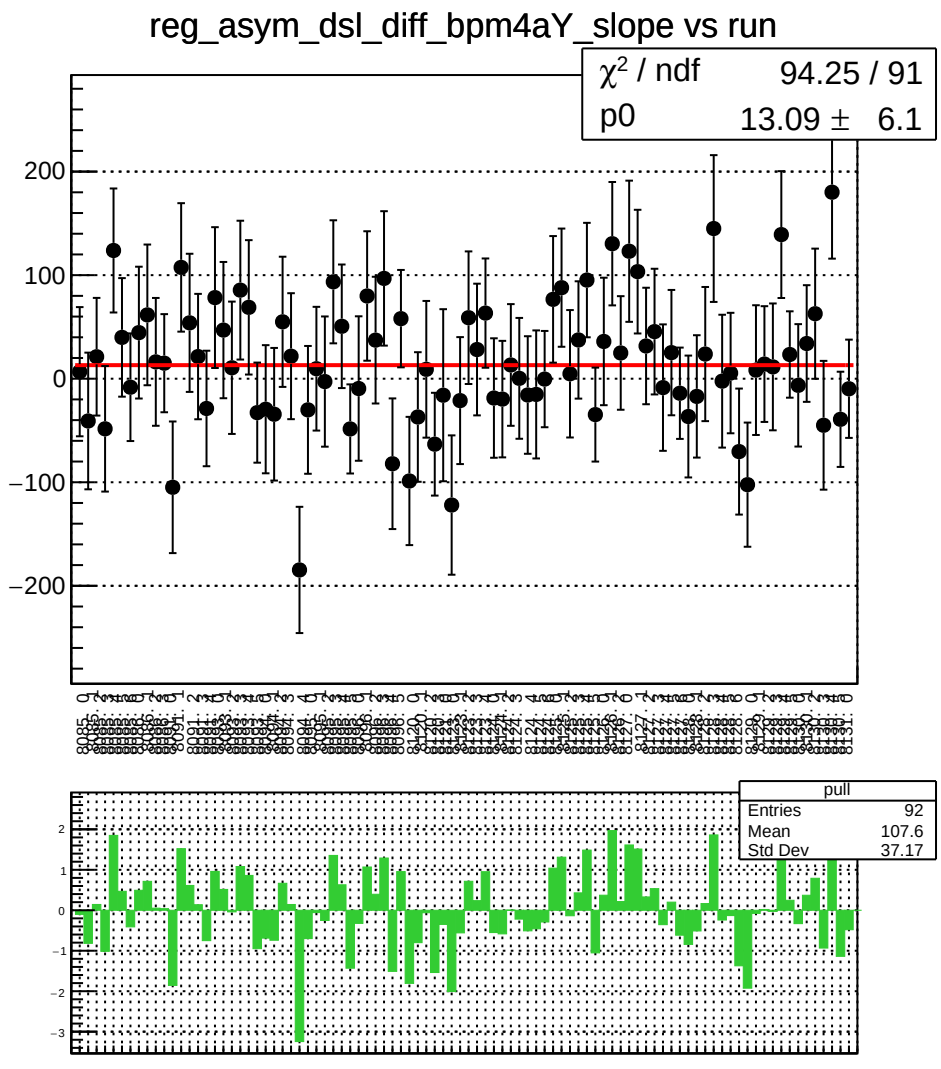

pull1D
Entries 92
Mean 0.001317
Std Dev 0.3445

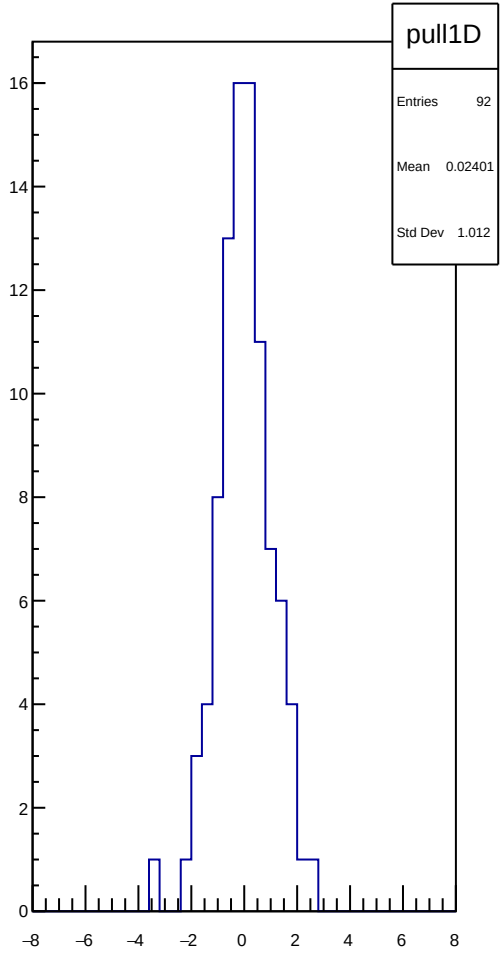

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 18.43 / 91
p0 −39.15 ± 0.1785
pull
Entries 92
Mean −462.6
Std Dev 507.5

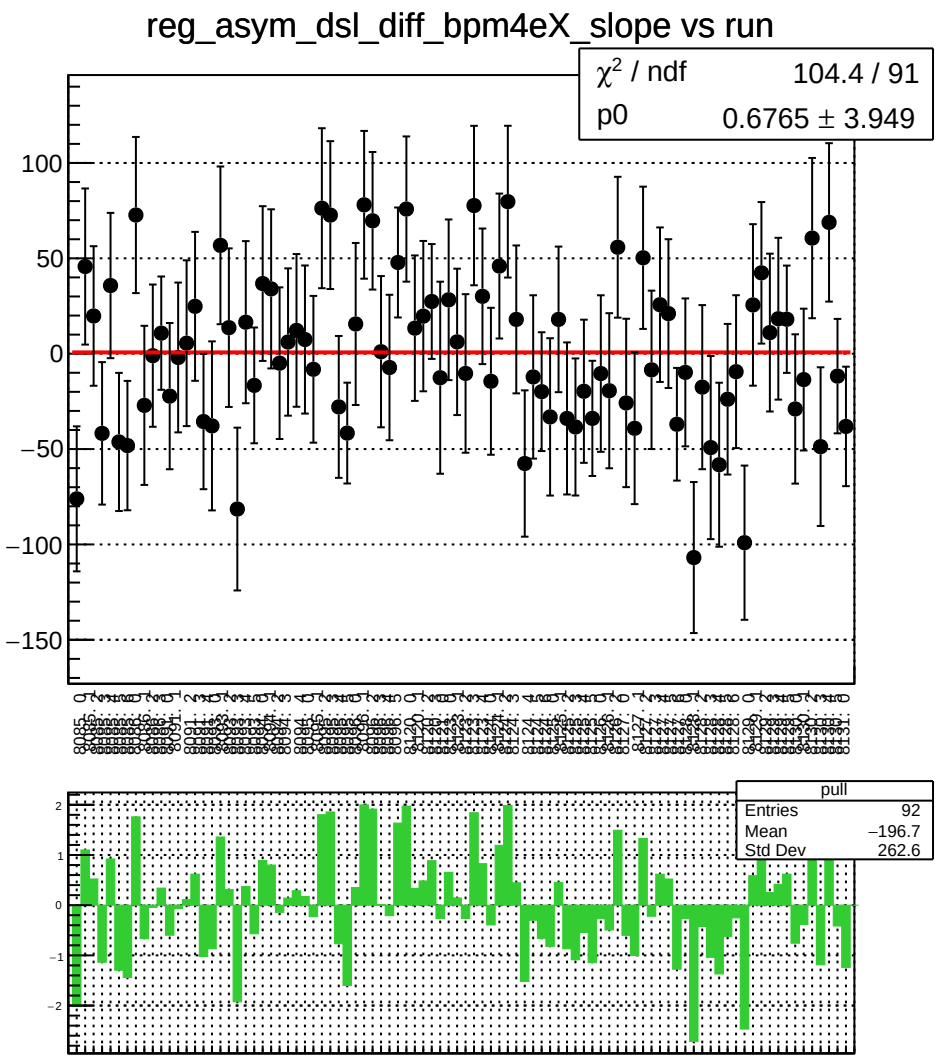

pull1D
Entries 92
Mean 0.01024
Std Dev 0.4475

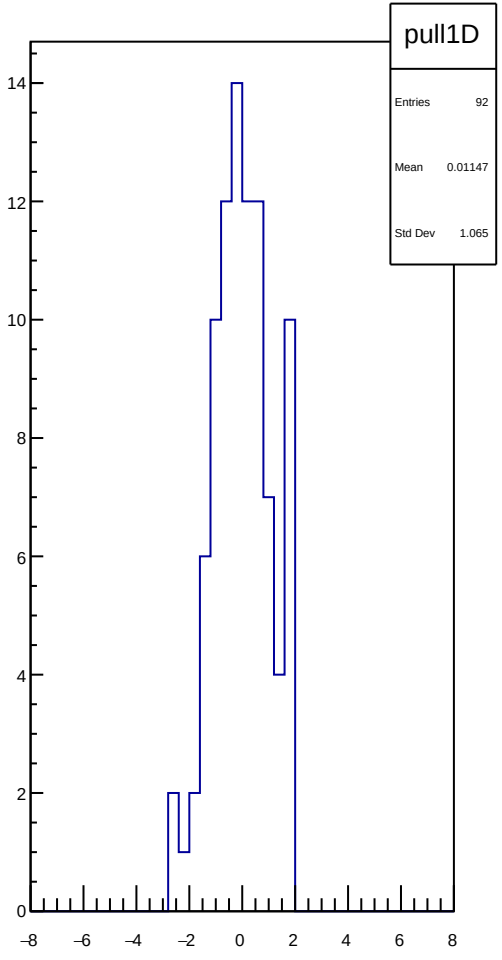

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 104.4 / 91
p0 −0.6054 ± 4.155
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −153
Std Dev 220
2
1
0
−1
−2

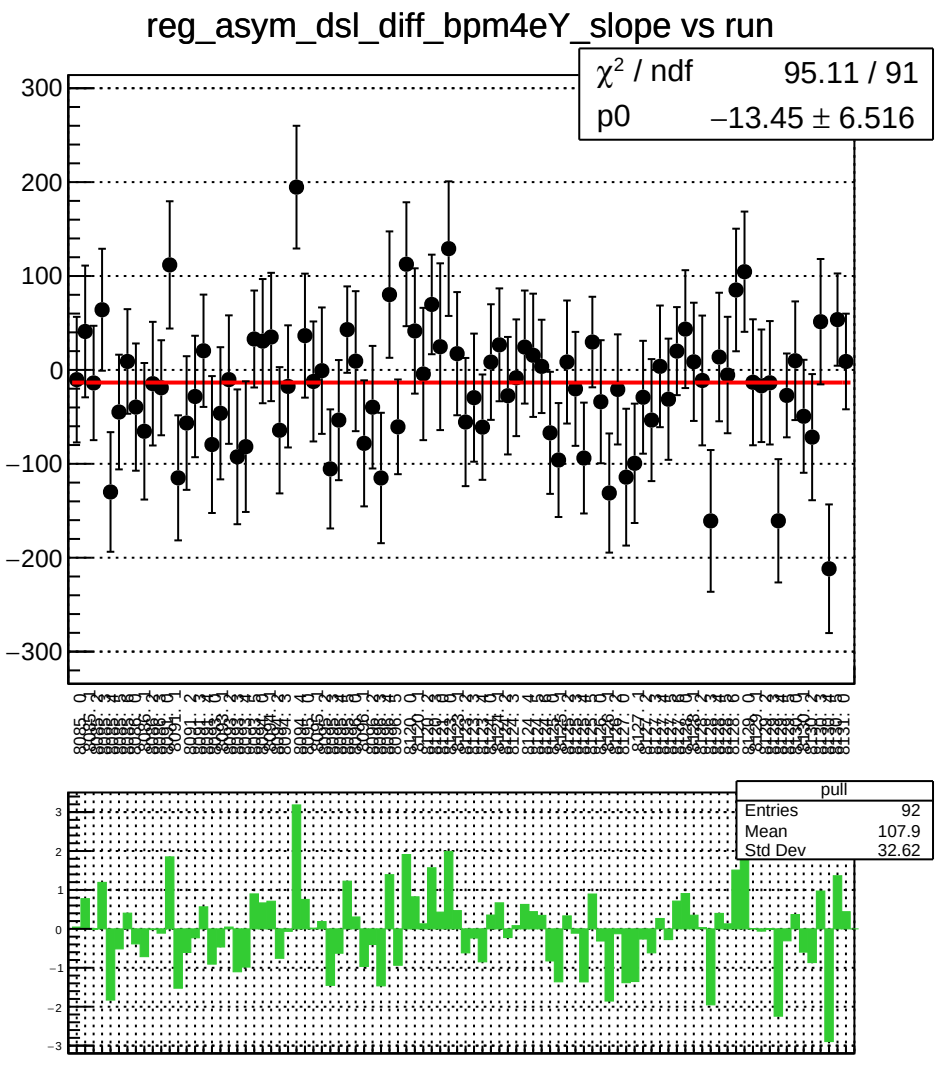

pull1D
Entries 92
Mean −0.01325
Std Dev 1.065
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

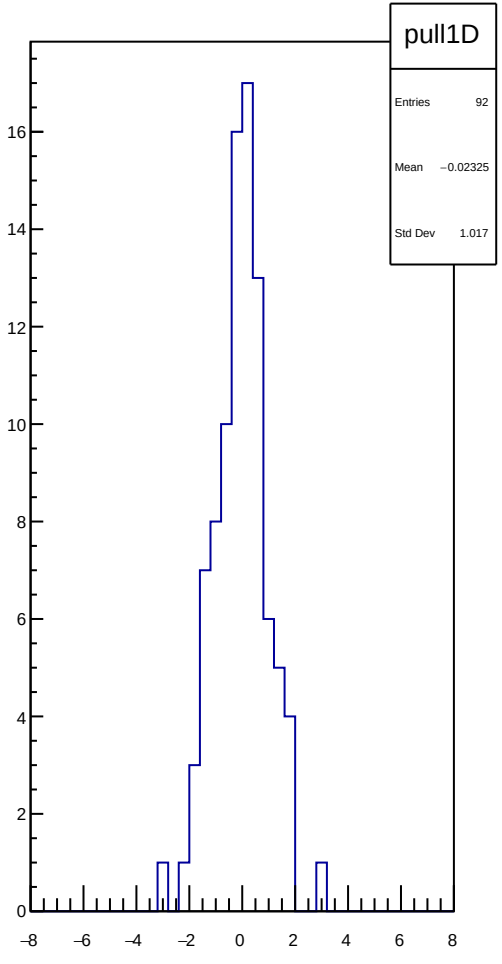

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 94.25 / 91
p0 13.09 ± 6.1
200
100
0
−100
−200
pull
Entries 92
Mean 107.6
Std Dev 37.17
2
1
0
−1
−2
−3

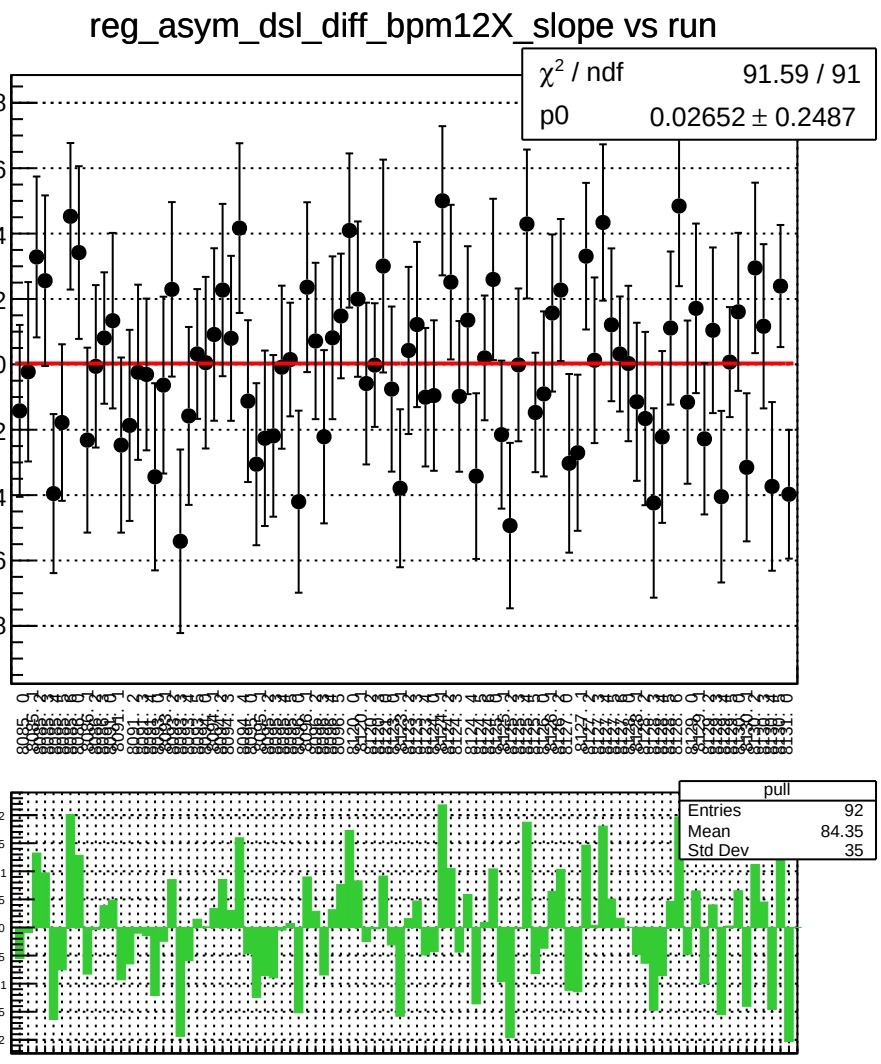

pull1D
Entries 92
Mean 0.02401
Std Dev 1.012
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

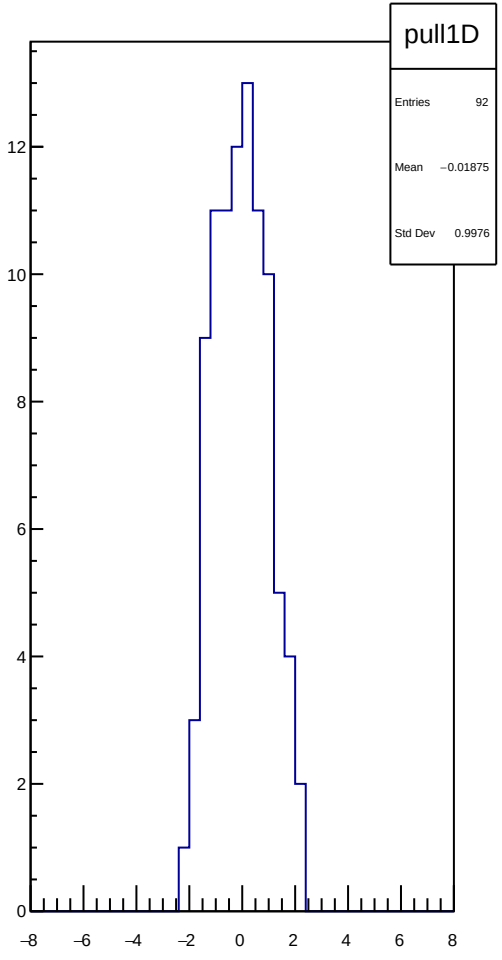

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 104.4 / 91
p0 0.6765 ± 3.949
pull
Entries 92
Mean −196.7
Std Dev 262.6

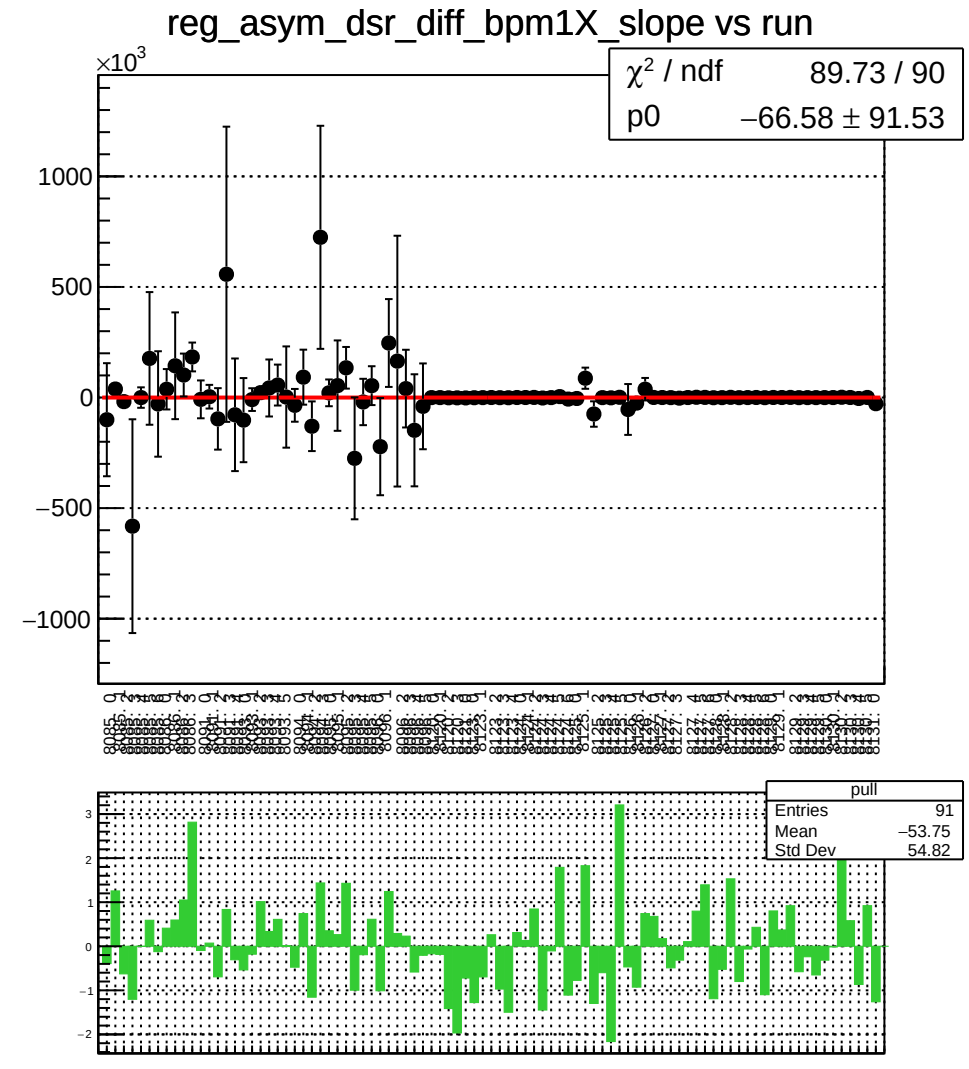

pull1D
Entries 92
Mean 0.01147
Std Dev 1.065

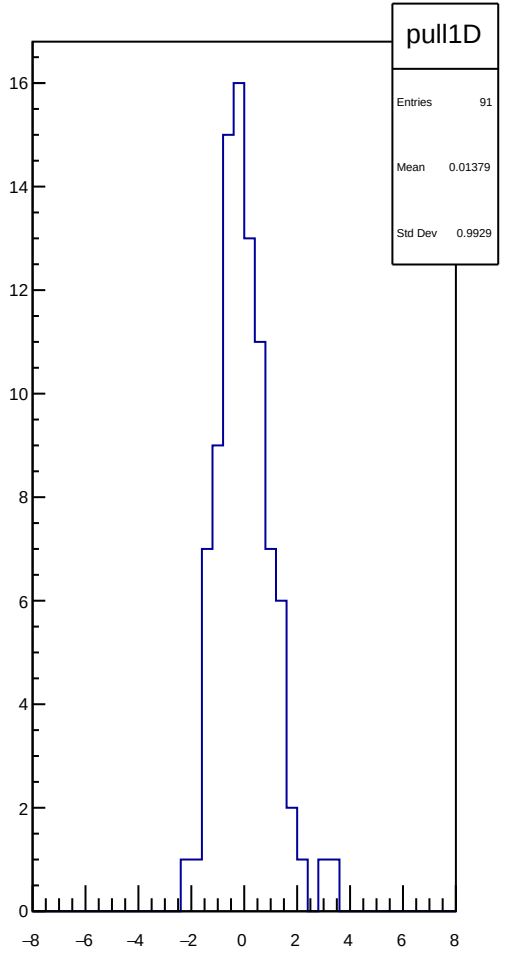

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 95.11 / 91
p0 −13.45 ± 6.516
pull
Entries 92
Mean 107.9
Std Dev 32.62

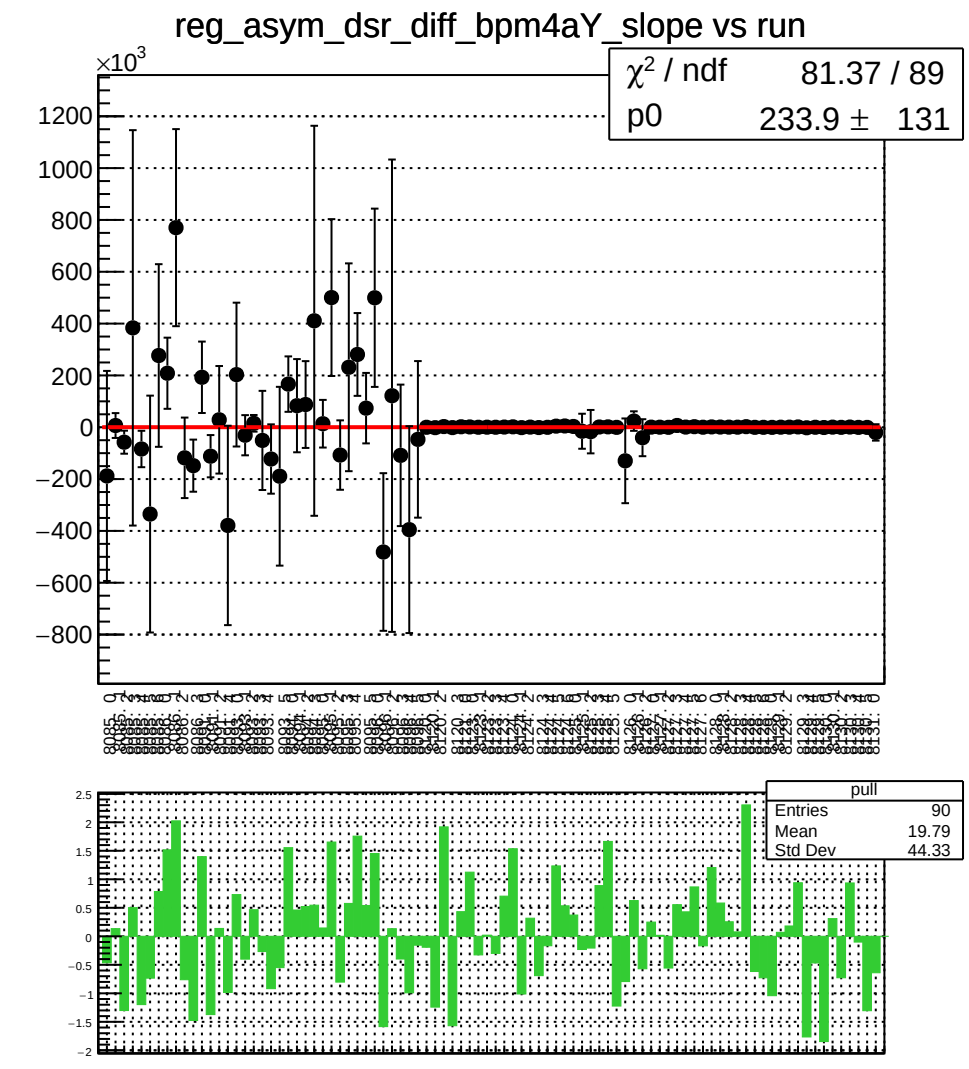

pull1D
Entries 92
Mean −0.02325
Std Dev 1.017

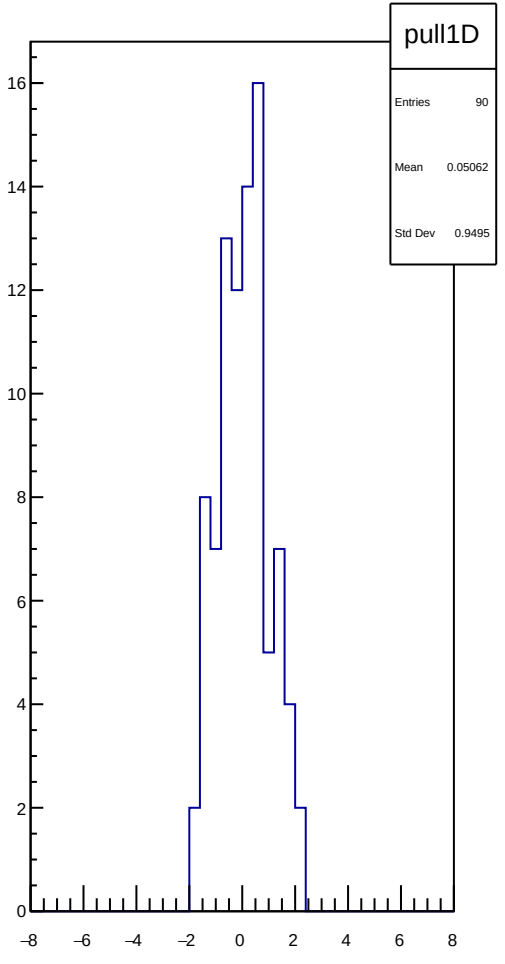

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 91.59 / 91
p0 0.02652 ± 0.2487
pull
Entries 92
Mean 84.35
Std Dev 35

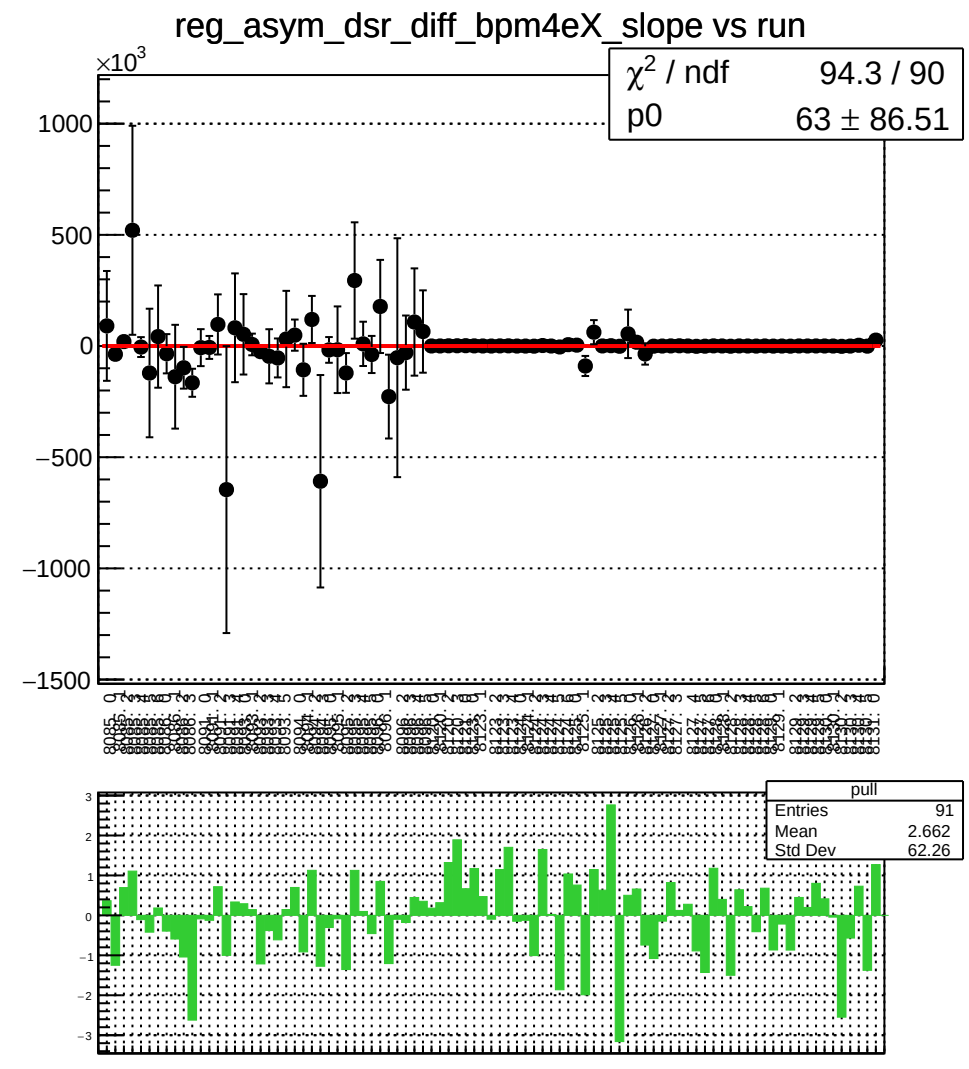

pull1D
Entries 92
Mean −0.01875
Std Dev 0.9976

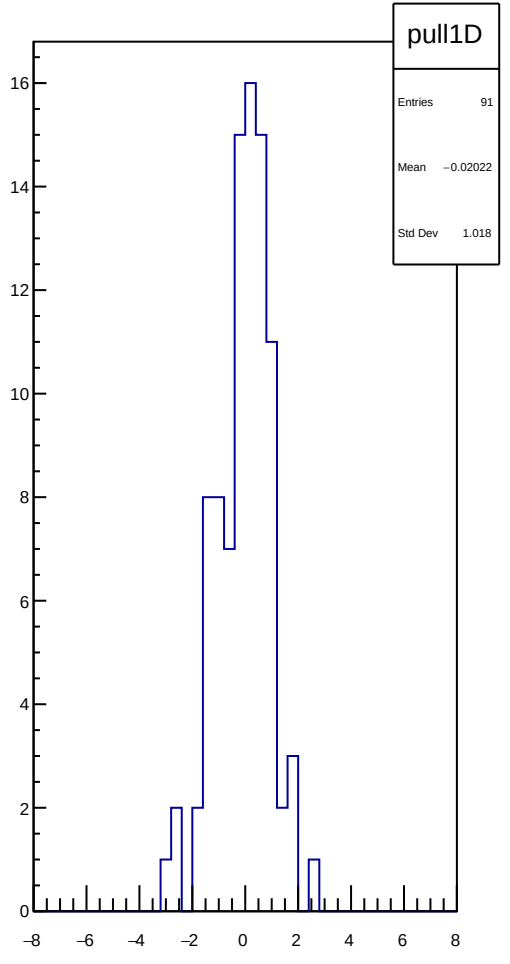

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 89.73 / 90
p0 −66.58 ± 91.53
×10³
1000
500
0
−500
−1000
pull
Entries 91
Mean −53.75
Std Dev 54.82
3
2
1
0
−1
−2

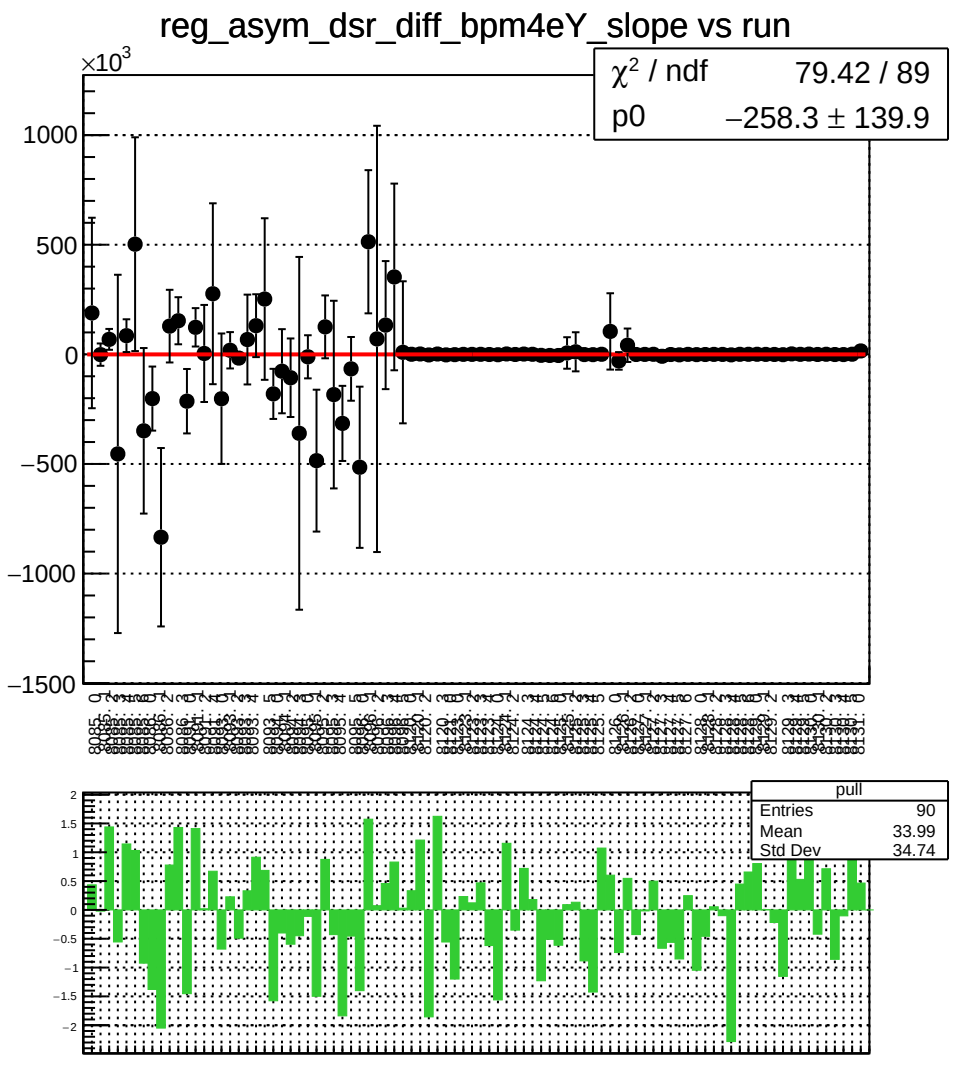

pull1D
Entries 91
Mean 0.01379
Std Dev 0.9929
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

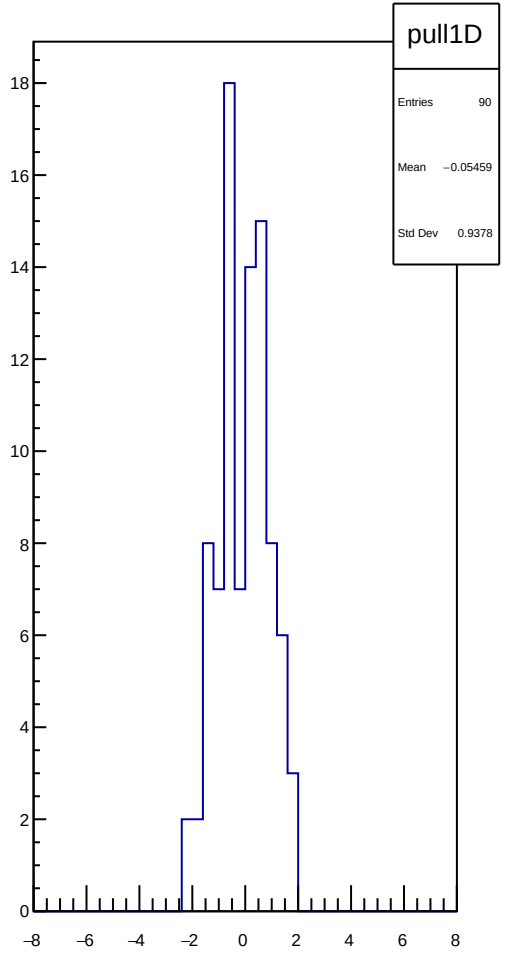

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 81.37 / 89
p0 233.9 ± 131
pull
Entries 90
Mean 19.79
Std Dev 44.33

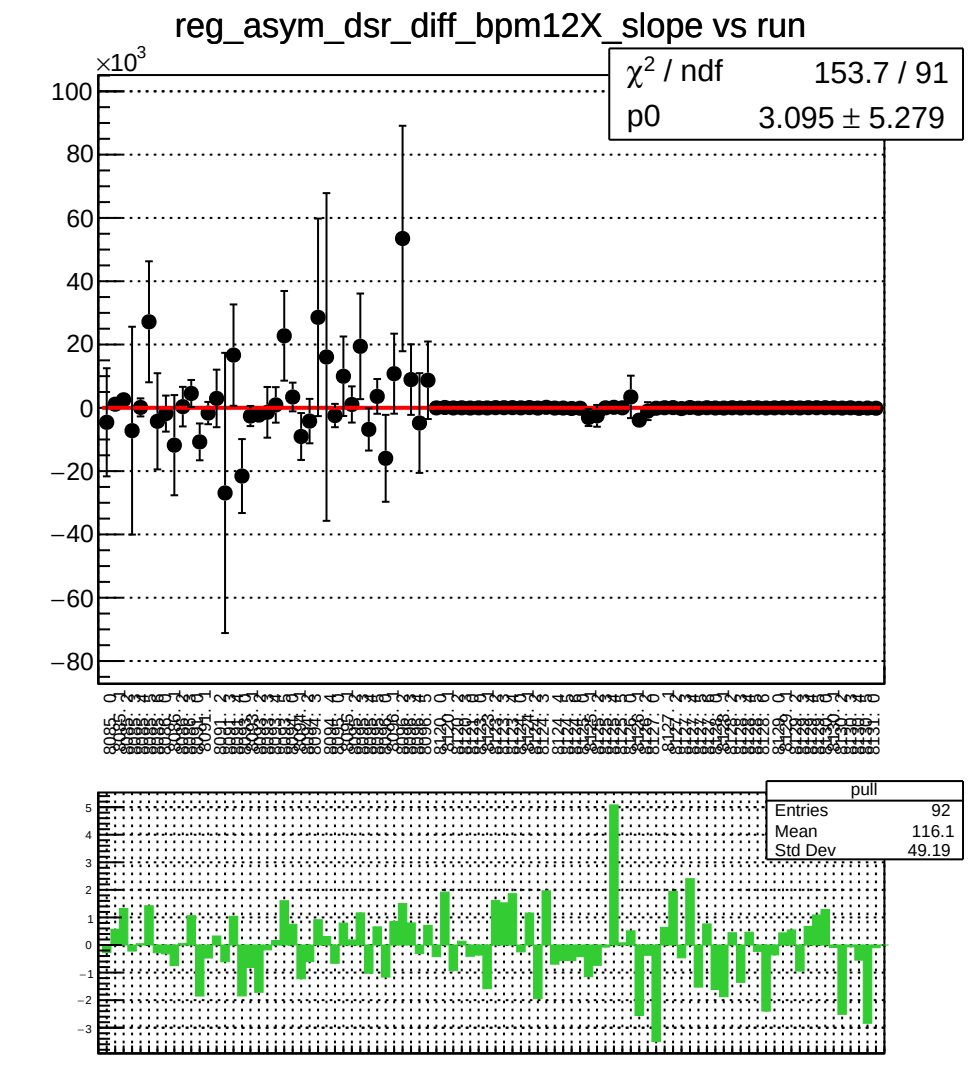

pull1D
Entries 90
Mean 0.05062
Std Dev 0.9495

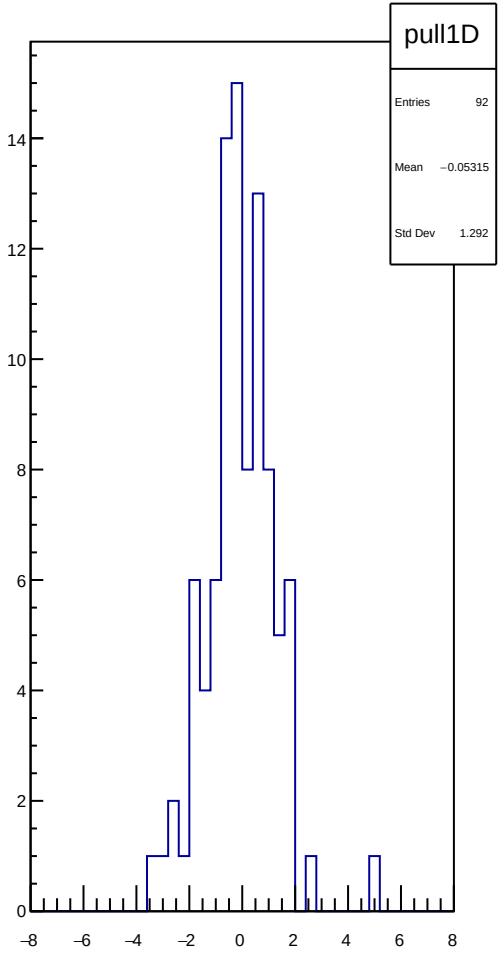

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 94.3 / 90
p0 63 ± 86.51
1000
500
0
−500
−1000
−1500
pull
Entries 91
Mean 2.662
Std Dev 62.26
3
2
1
0
−1
−2
−3

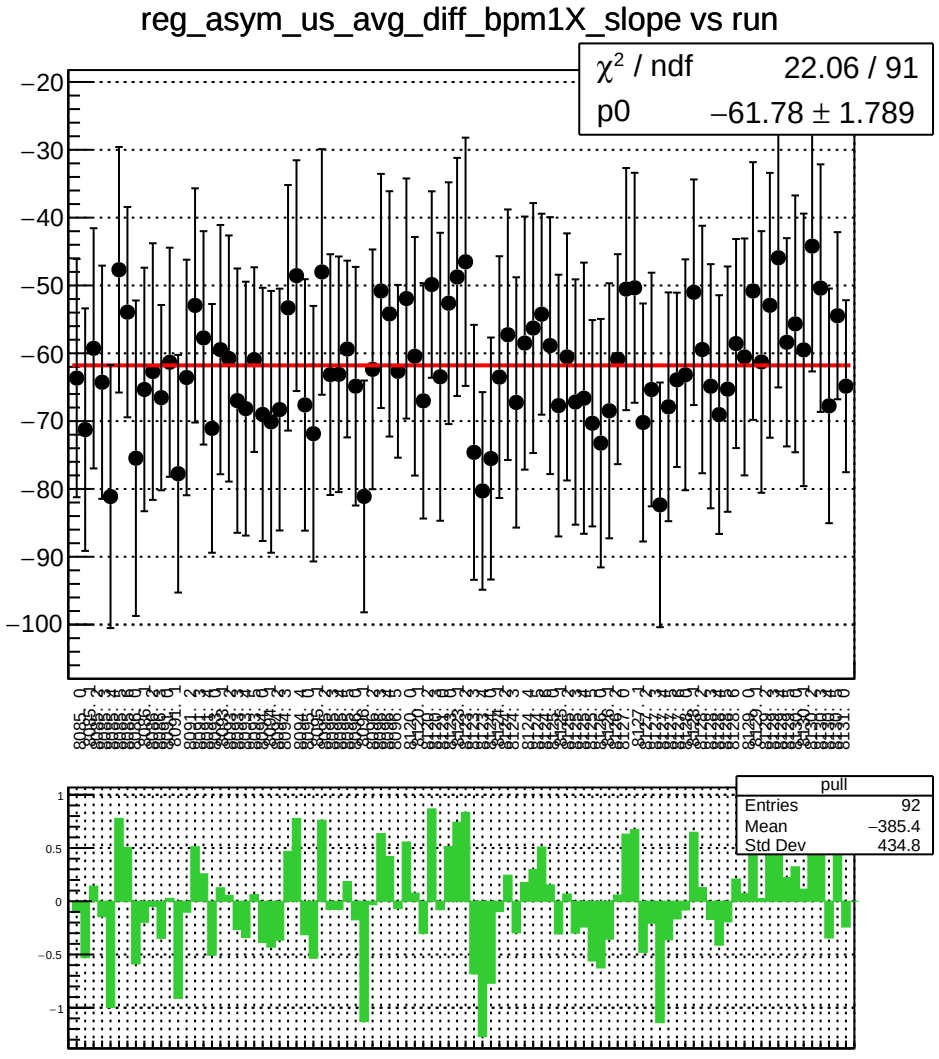

pull1D
Entries 91
Mean −0.02022
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

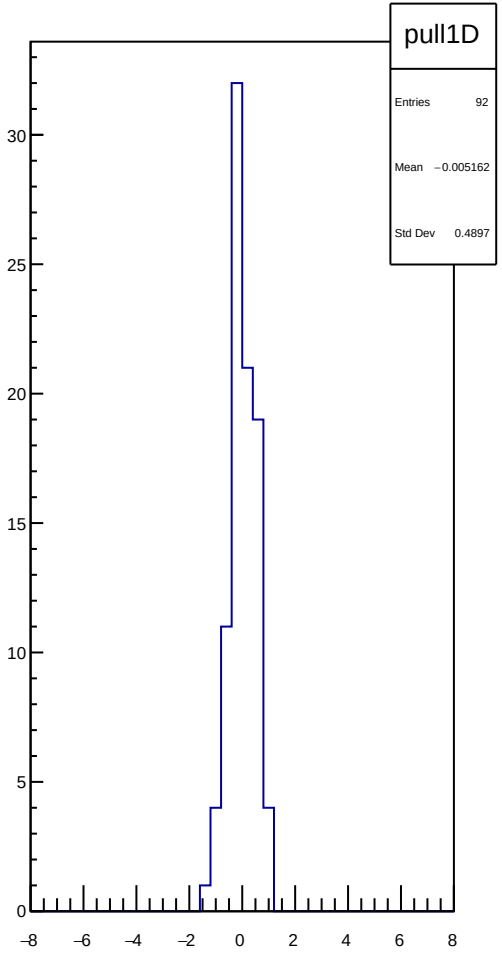

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 79.42 / 89
p0 −258.3 ± 139.9
1000
500
0
−500
−1000
−1500
pull
Entries 90
Mean 33.99
Std Dev 34.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

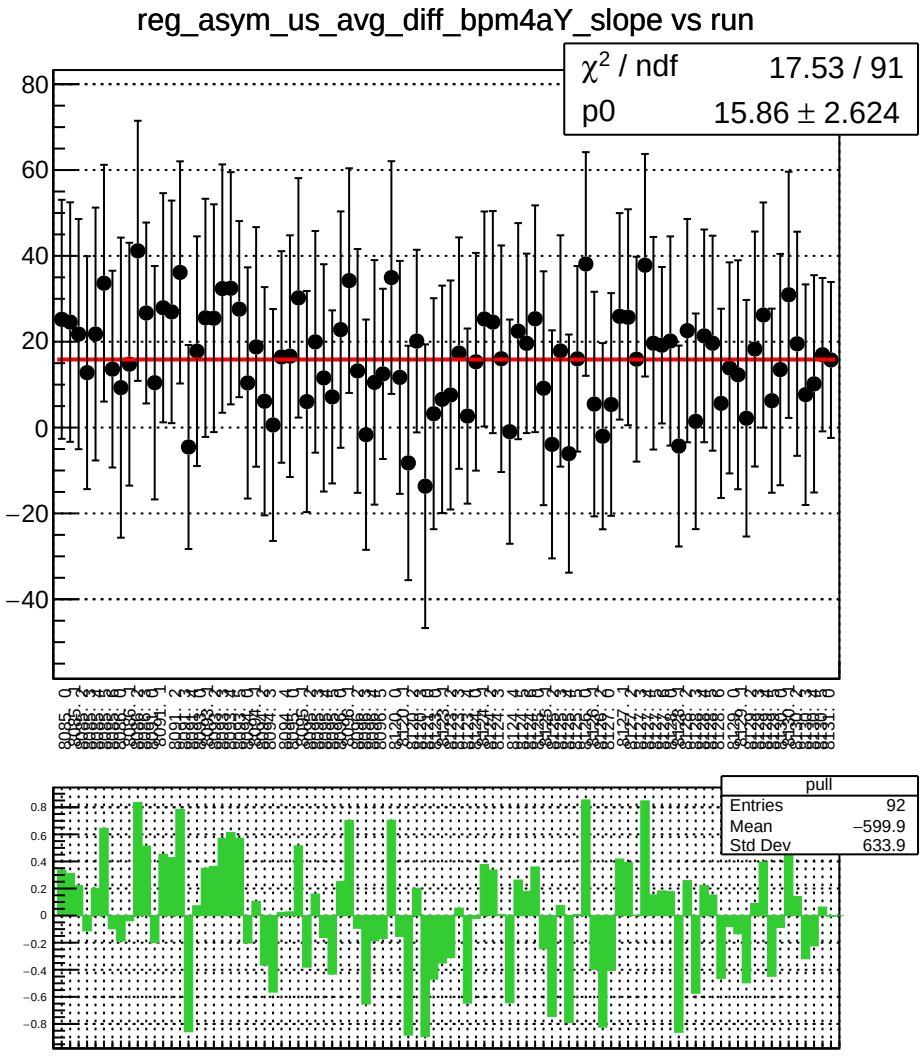

pull1D
Entries 90
Mean −0.05459
Std Dev 0.9378
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

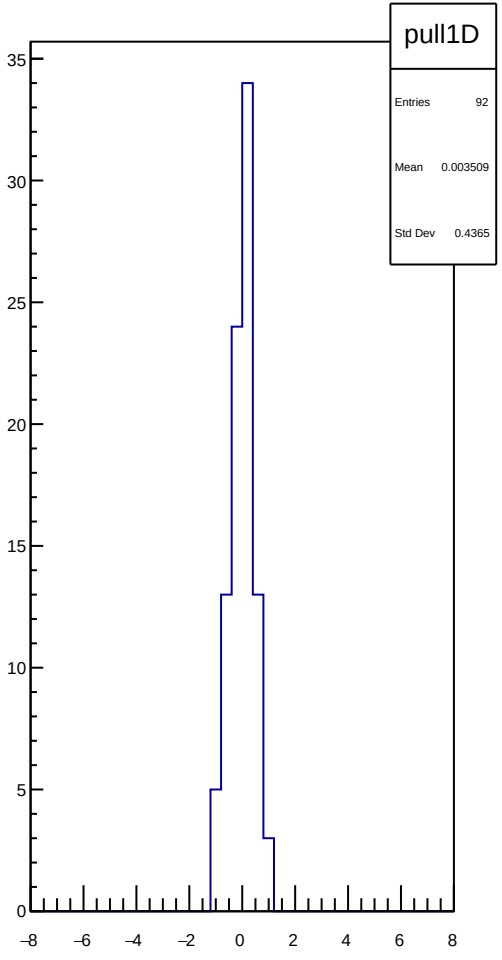

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 153.7 / 91
p0 3.095 ± 5.279
×10³
pull
Entries 92
Mean 116.1
Std Dev 49.19

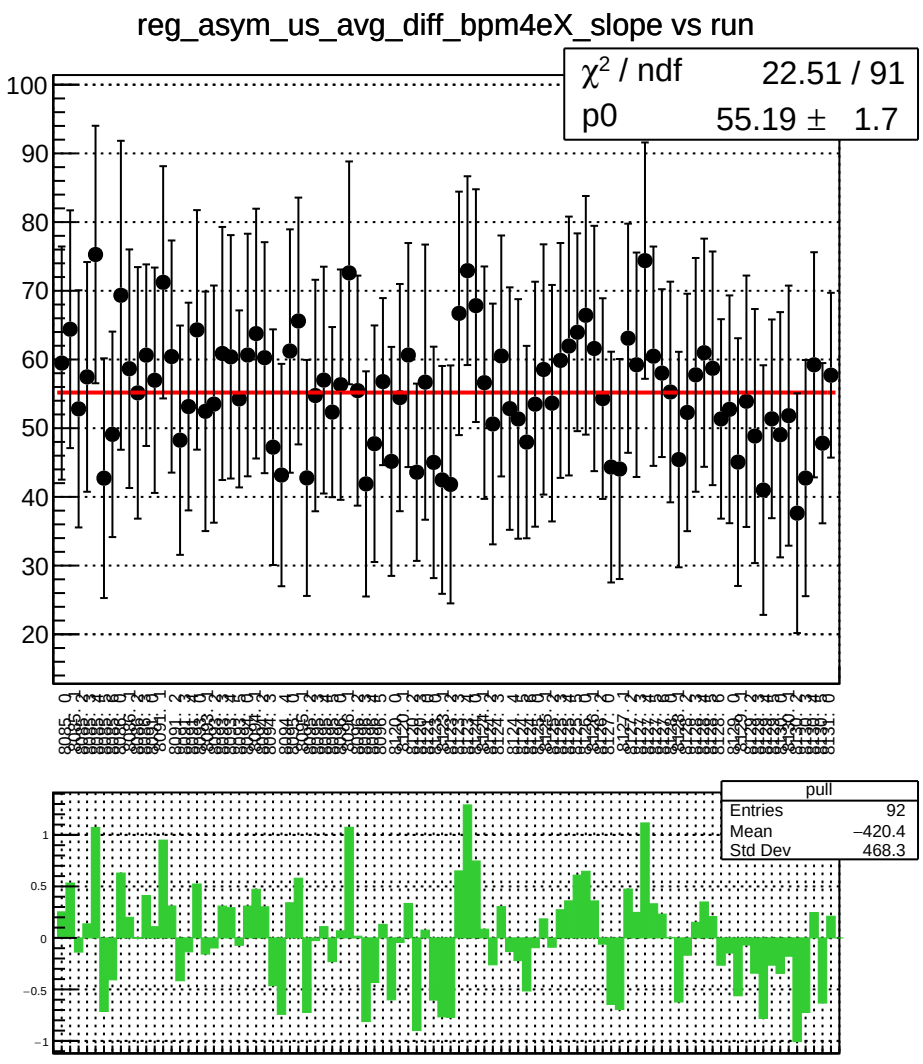

pull1D
Entries 92
Mean −0.05315
Std Dev 1.292

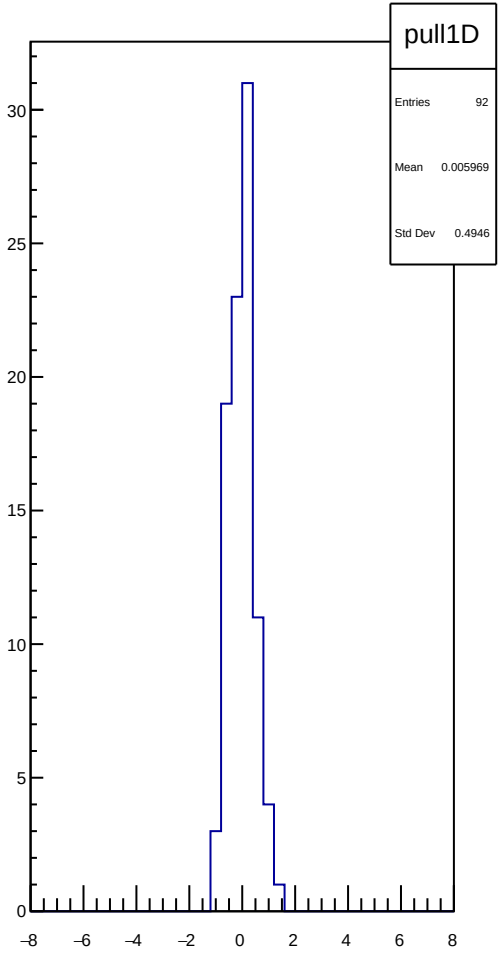

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 22.06 / 91
p0 −61.78 ± 1.789
pull
Entries 92
Mean −385.4
Std Dev 434.8

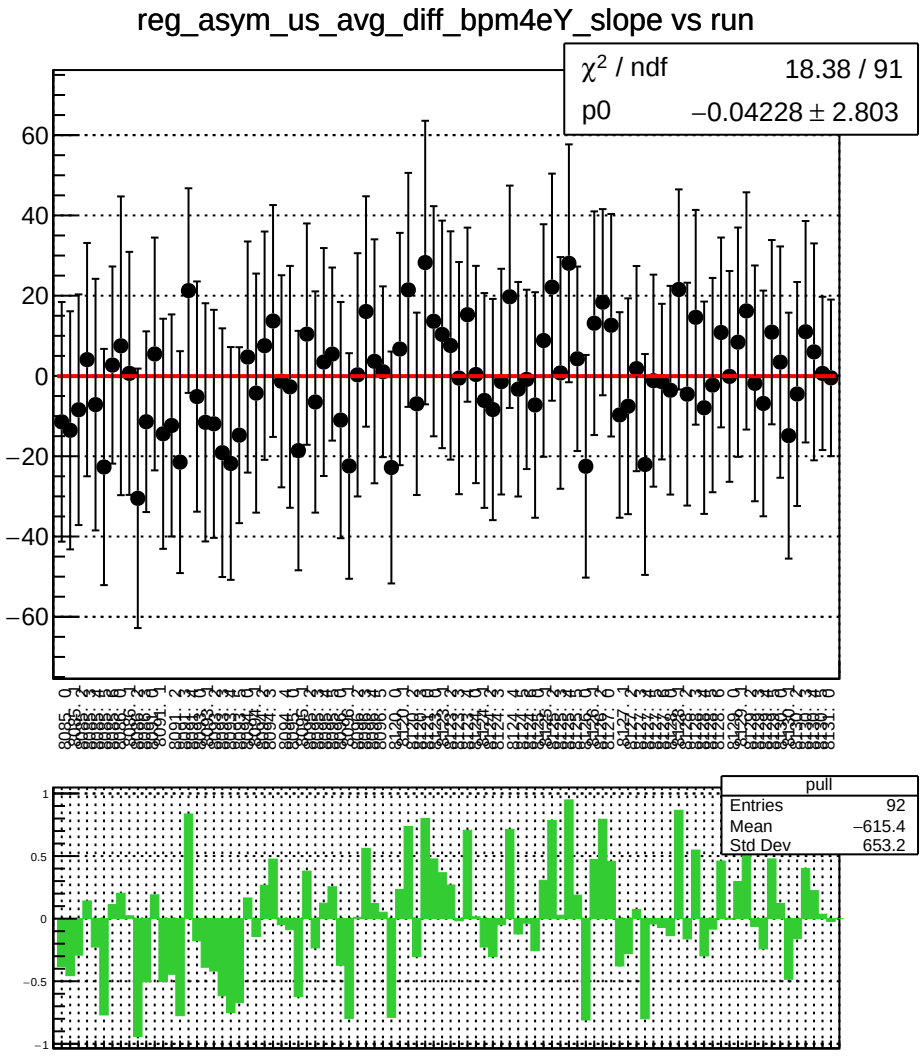

pull1D
Entries 92
Mean −0.005162
Std Dev 0.4897

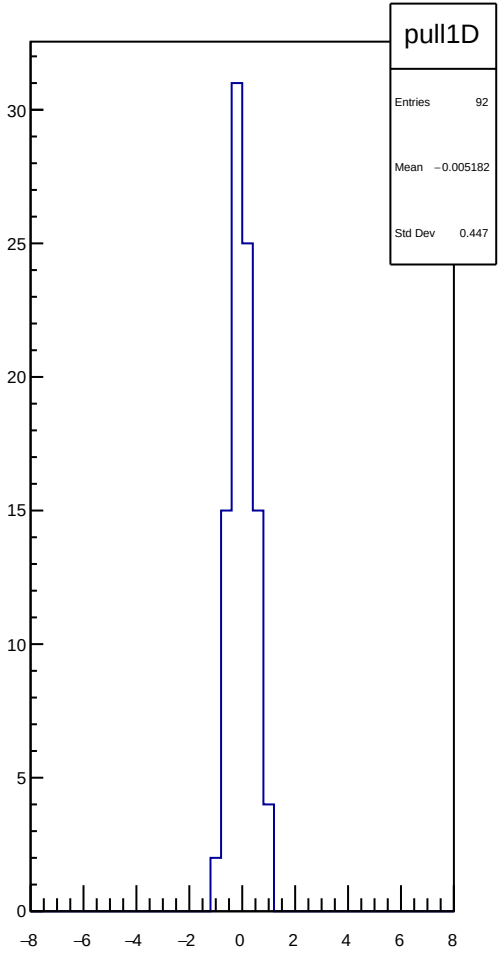

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.53 / 91
p0 15.86 ± 2.624
pull
Entries 92
Mean −599.9
Std Dev 633.9

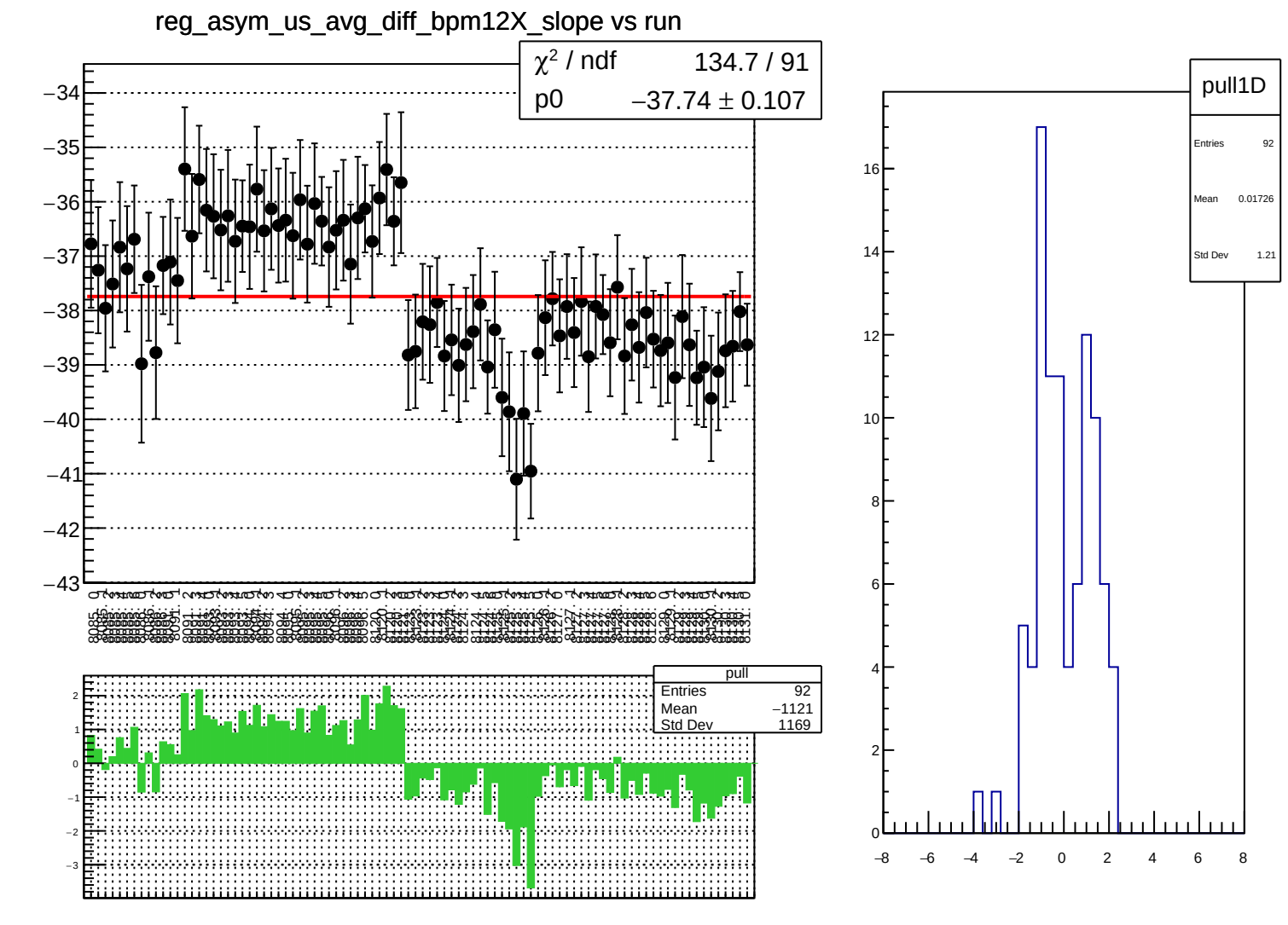

pull1D
Entries 92
Mean 0.003509
Std Dev 0.4365

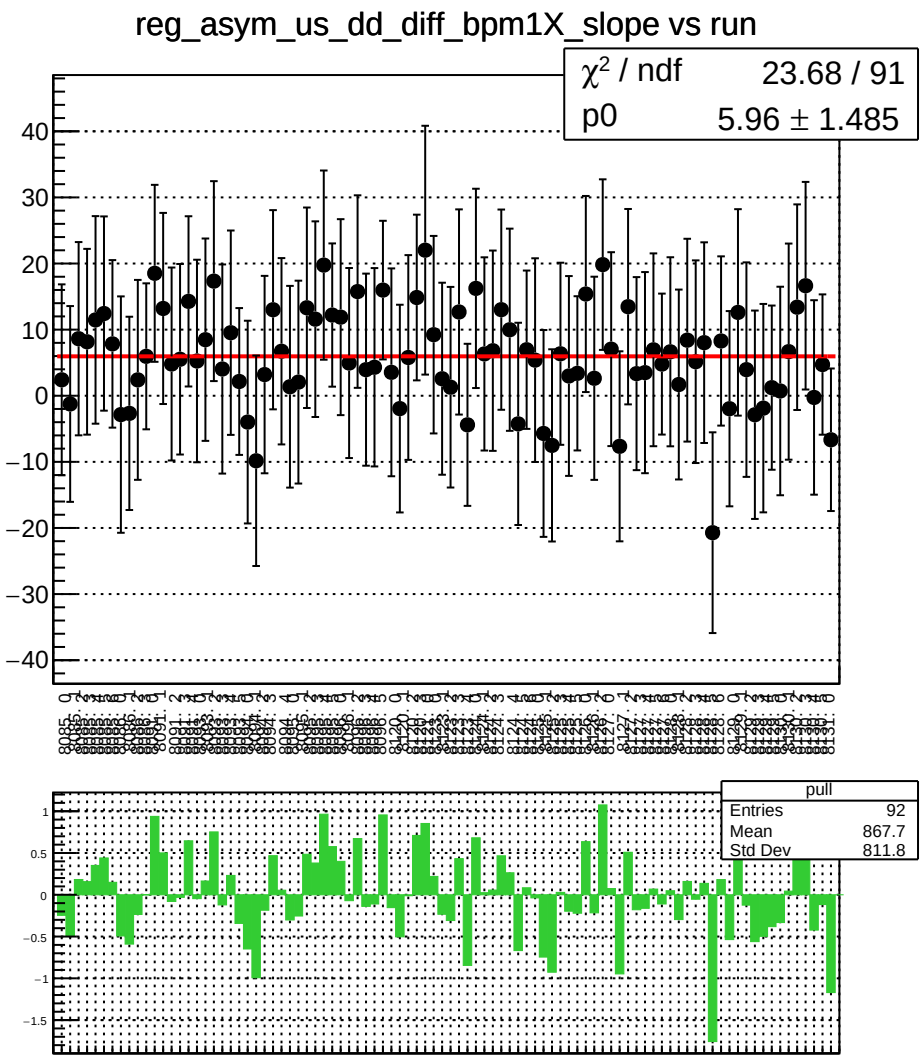

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.51 / 91
p0 55.19 ± 1.7
pull
Entries 92
Mean −420.4
Std Dev 468.3

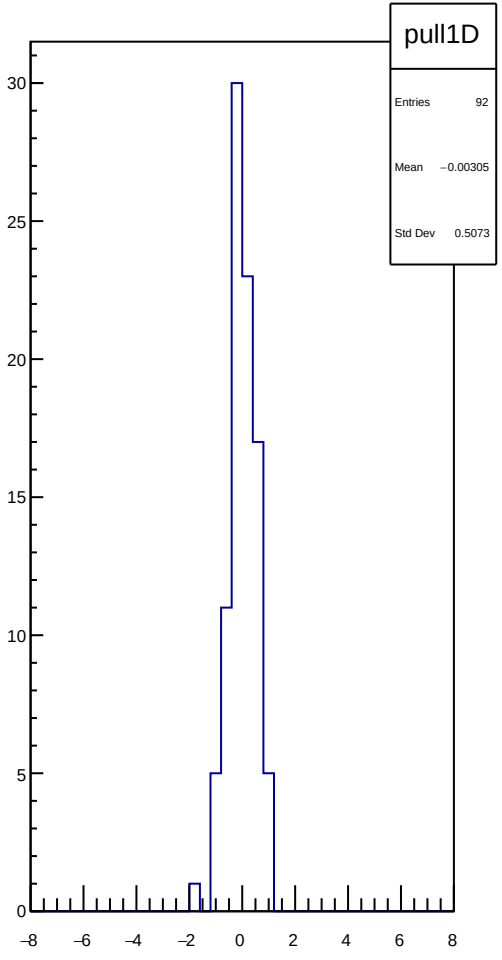

pull1D
Entries 92
Mean 0.005969
Std Dev 0.4946

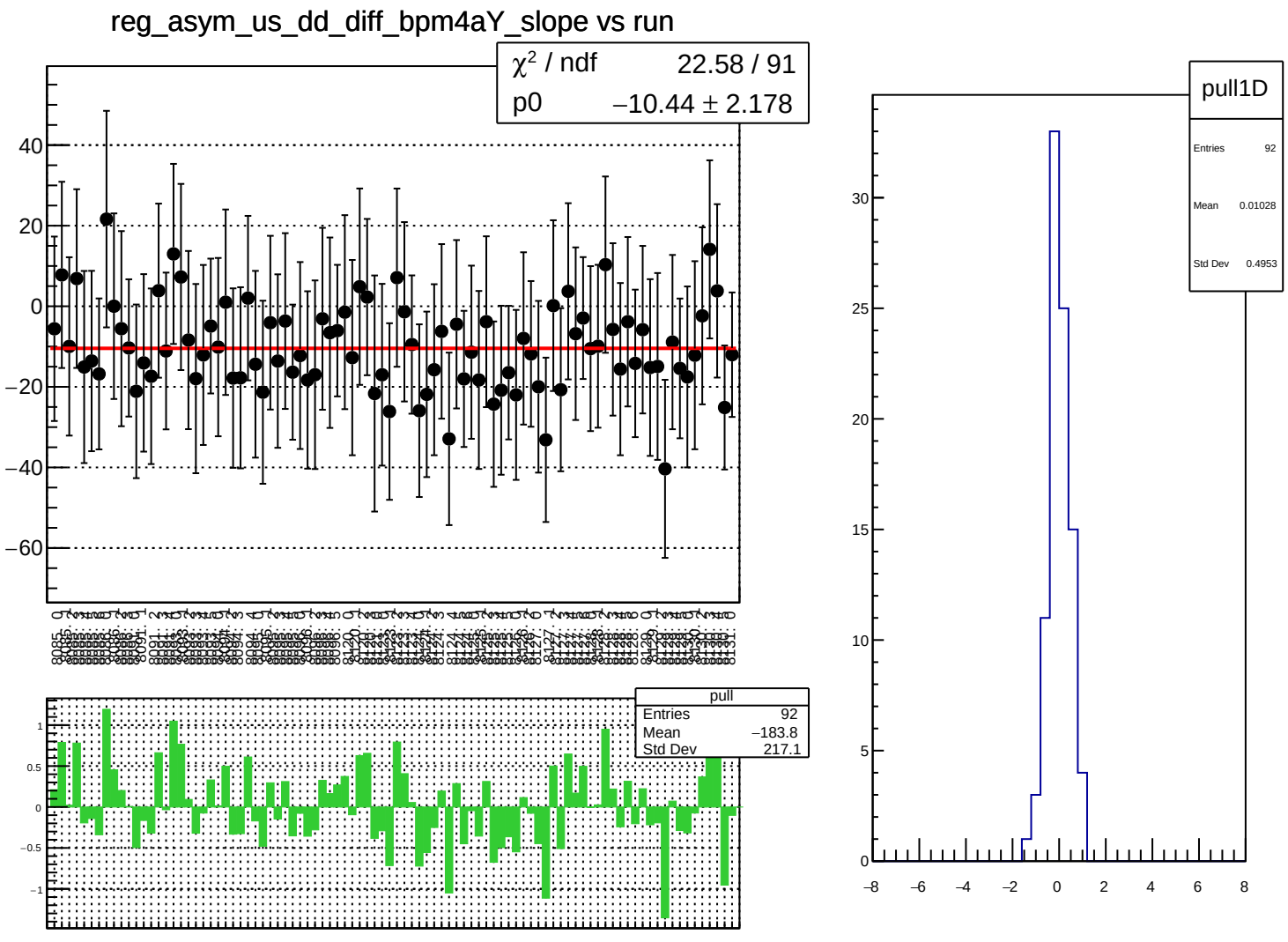

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.38 / 91
p0 −0.04228 ± 2.803
pull
Entries 92
Mean −615.4
Std Dev 653.2

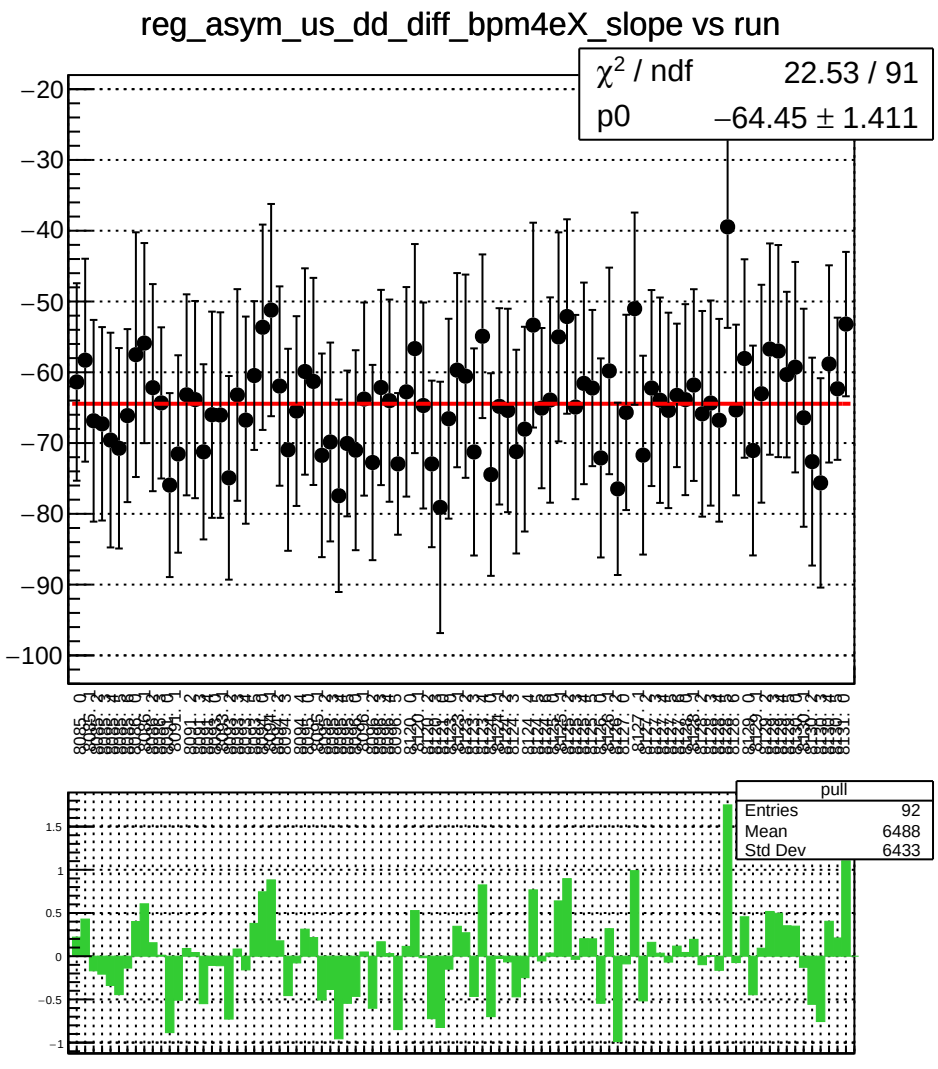

pull1D
Entries 92
Mean −0.005182
Std Dev 0.447

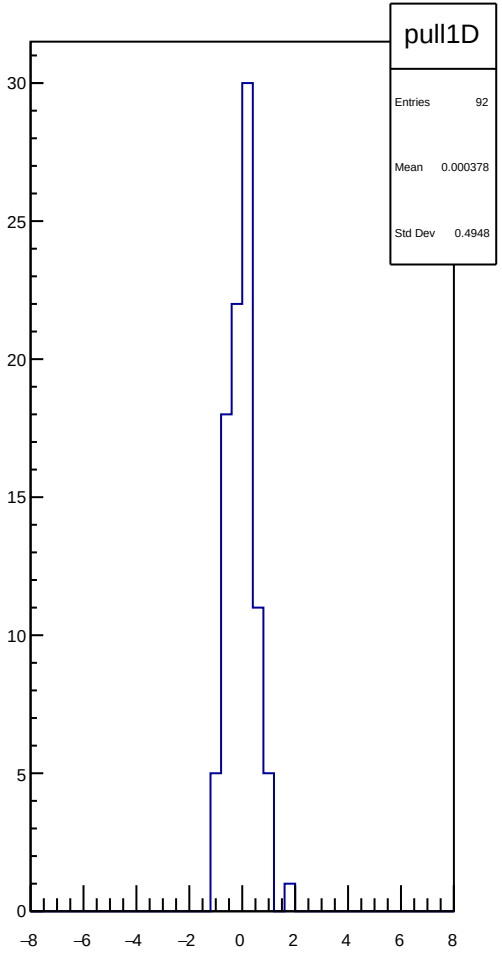

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 134.7 / 91
p0 −37.74 ± 0.107
pull
Entries 92
Mean −1121
Std Dev 1169
pull1D
Entries 92
Mean 0.01726
Std Dev 1.21

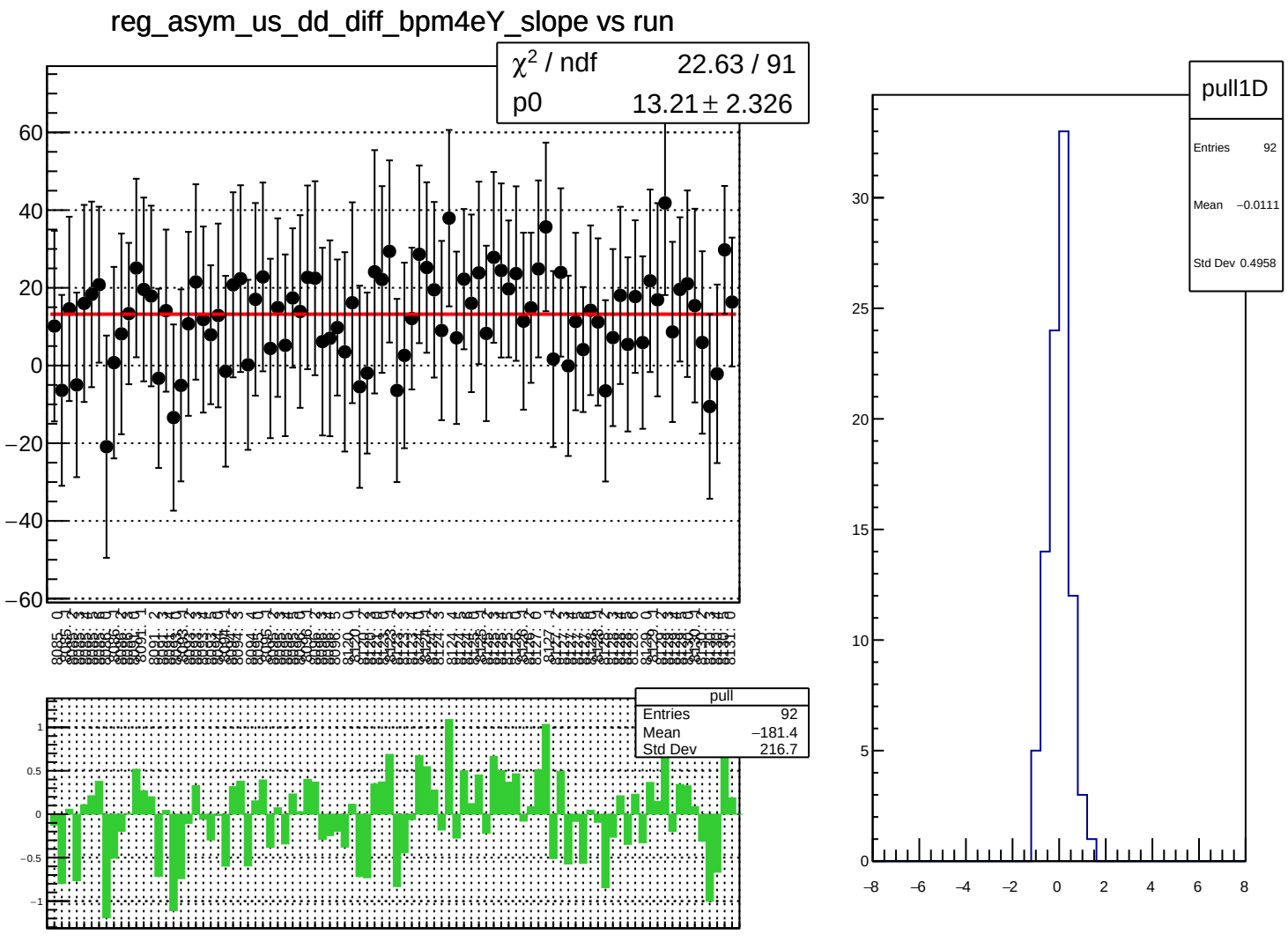

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 23.68 / 91
p0 5.96 ± 1.485
pull
Entries 92
Mean 867.7
Std Dev 811.8

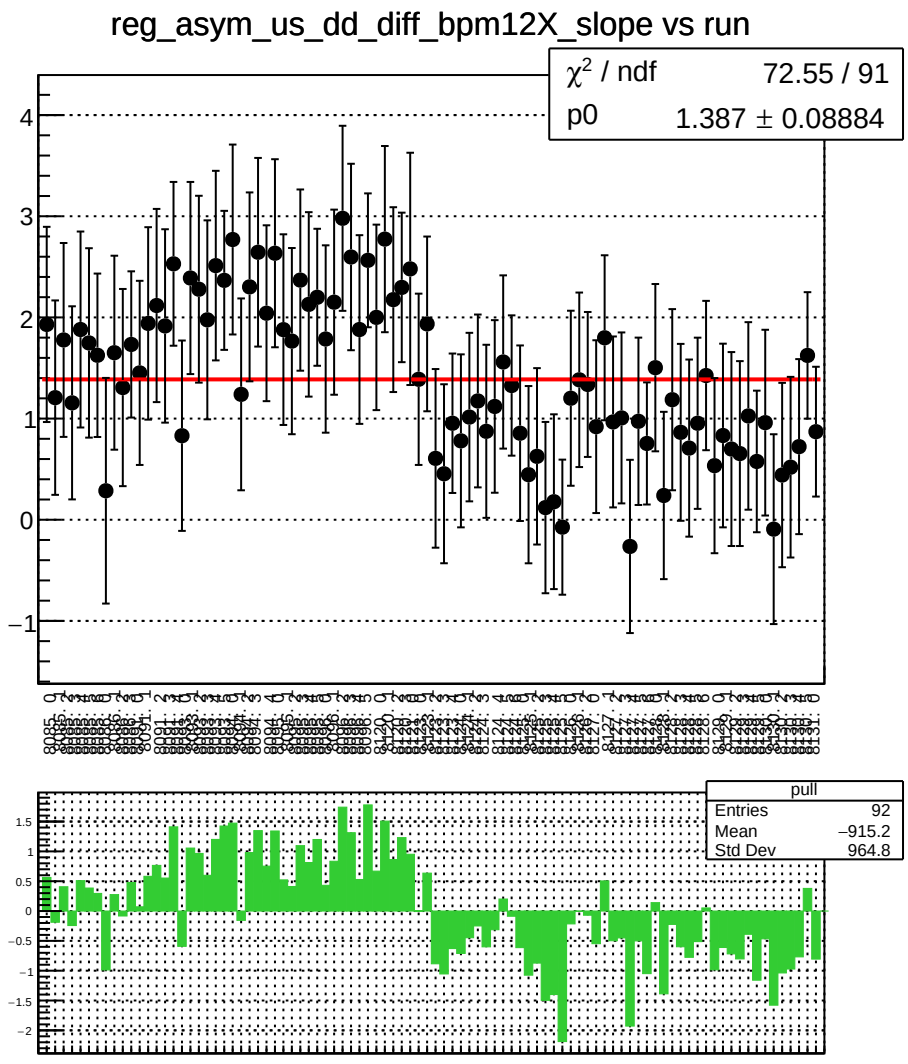

pull1D
Entries 92
Mean −0.00305
Std Dev 0.5073

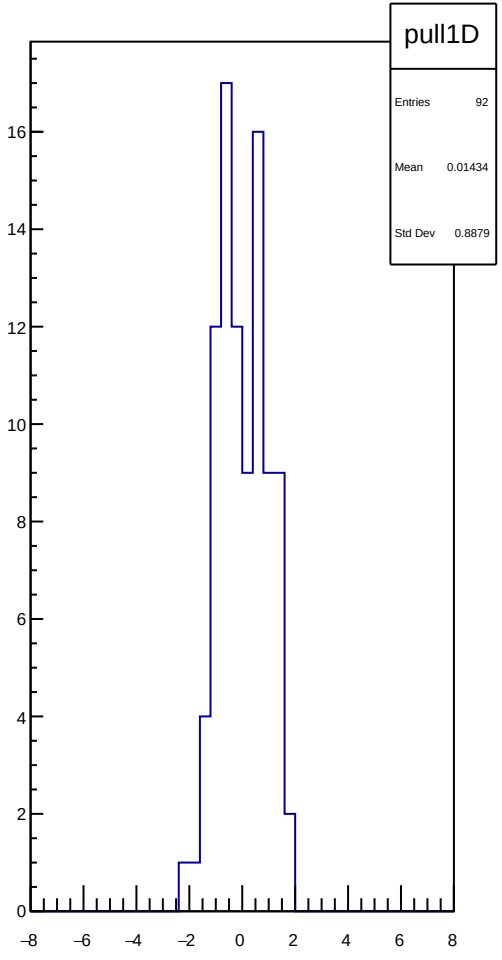

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.58 / 91
p0 −10.44 ± 2.178
40
20
0
−20
−40
−60
pull
Entries 92
Mean −183.8
Std Dev 217.1
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean 0.01028
Std Dev 0.4953
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

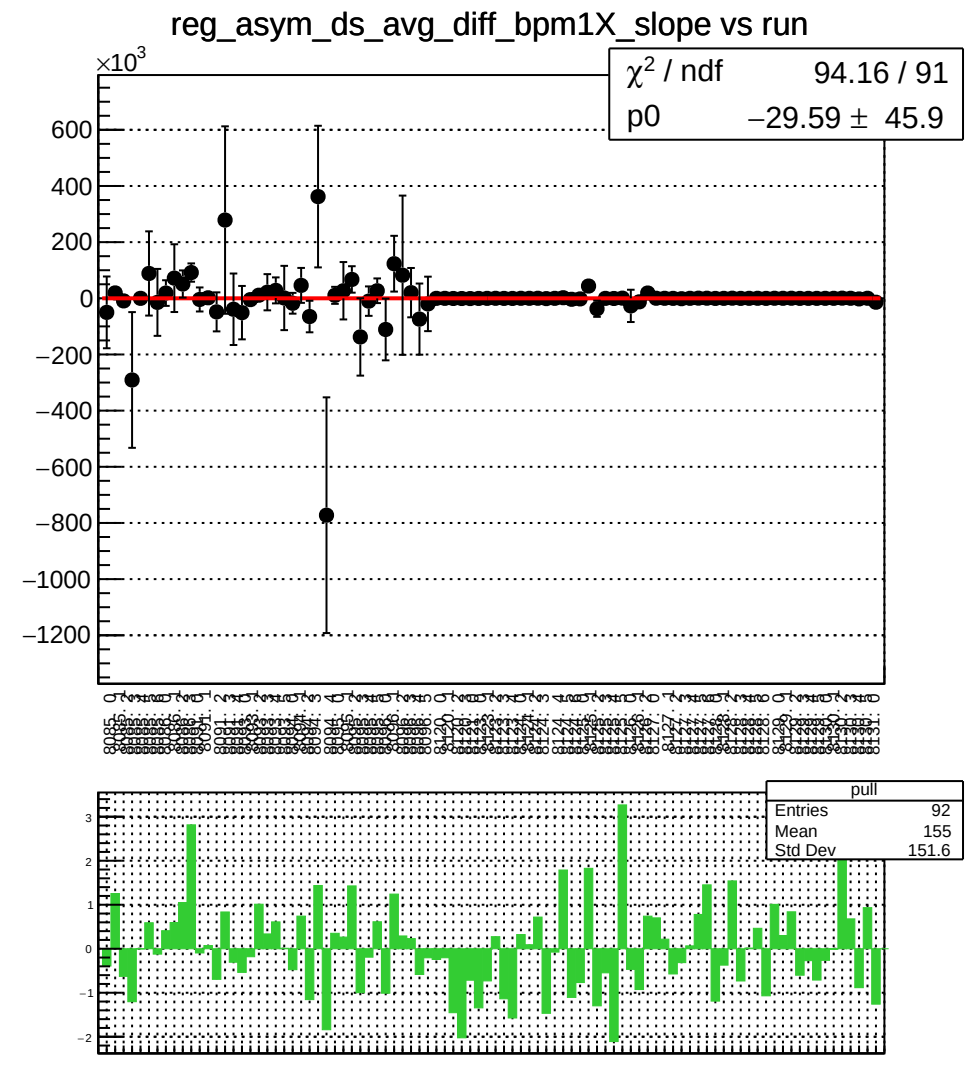

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.53 / 91
p0 −64.45 ± 1.411
pull
Entries 92
Mean 6488
Std Dev 6433

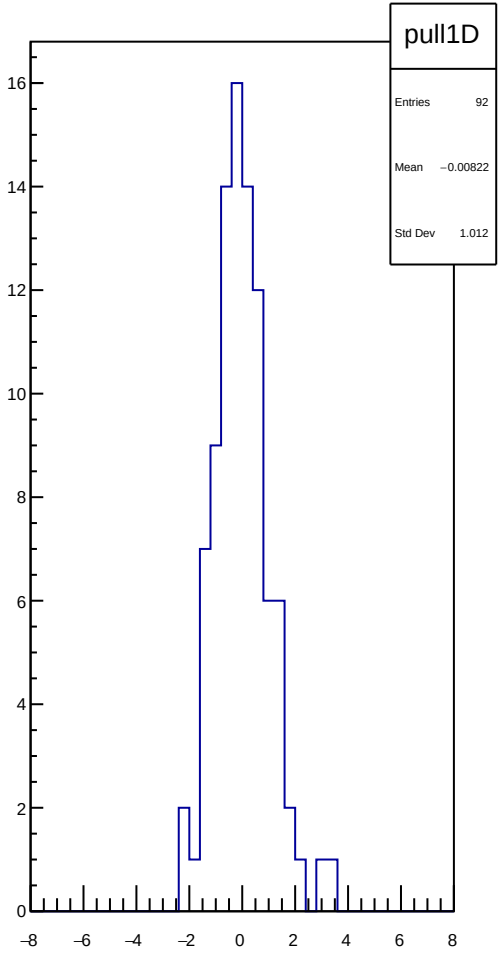

pull1D
Entries 92
Mean 0.000378
Std Dev 0.4948

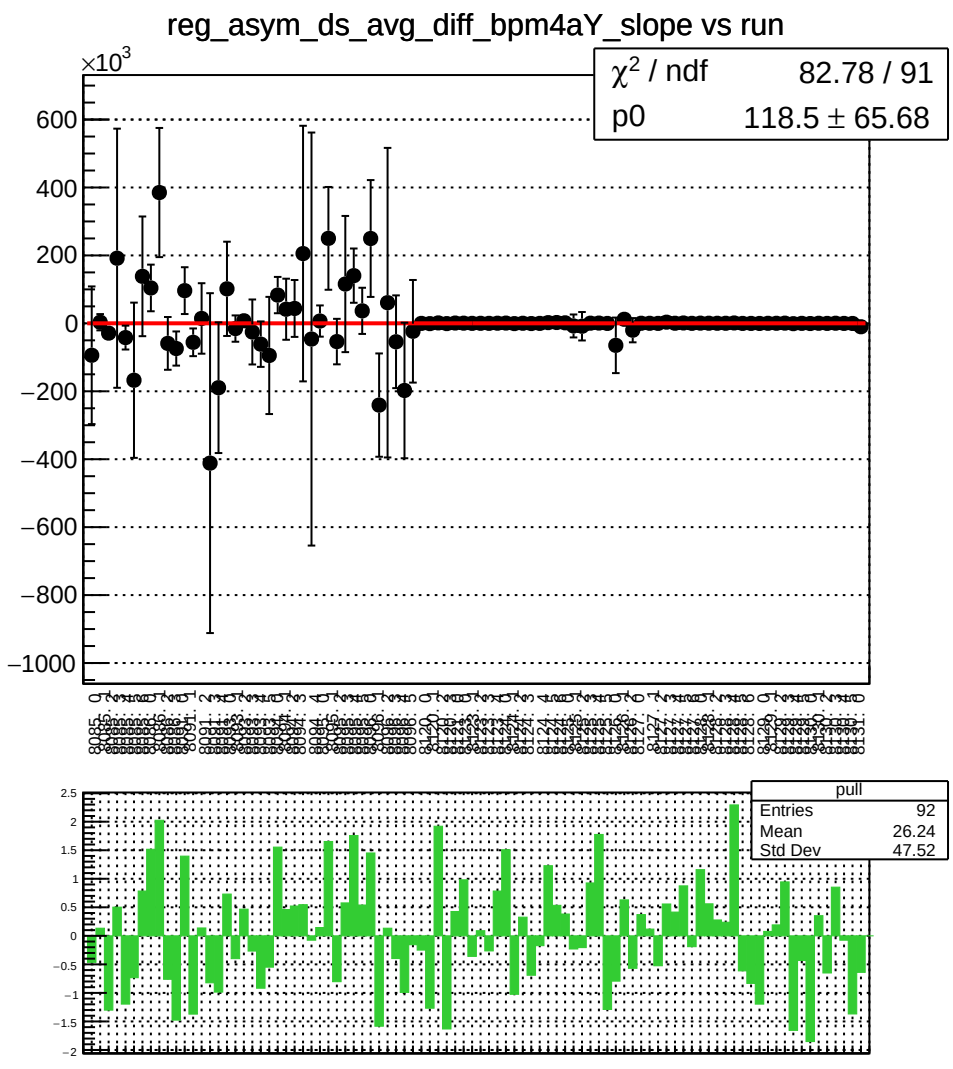

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.63 / 91
p0 13.21 ± 2.326
pull
Entries 92
Mean −181.4
Std Dev 216.7
pull1D
Entries 92
Mean −0.0111
Std Dev 0.4958

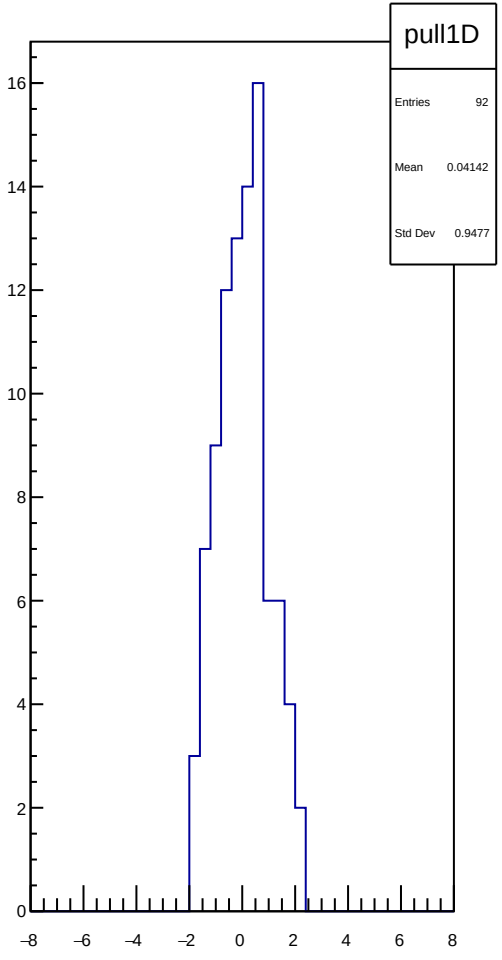

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 72.55 / 91
p0 1.387 ± 0.08884
pull
Entries 92
Mean −915.2
Std Dev 964.8

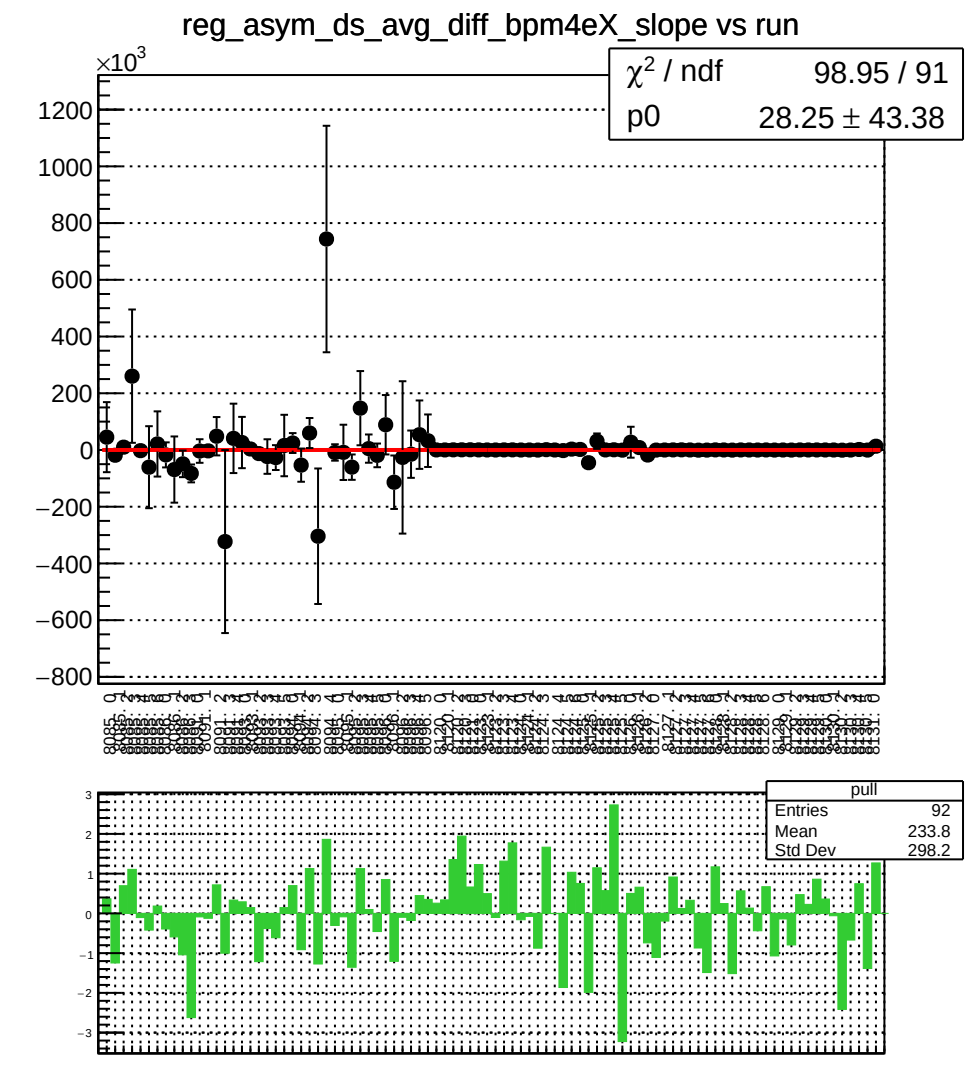

pull1D
Entries 92
Mean 0.01434
Std Dev 0.8879

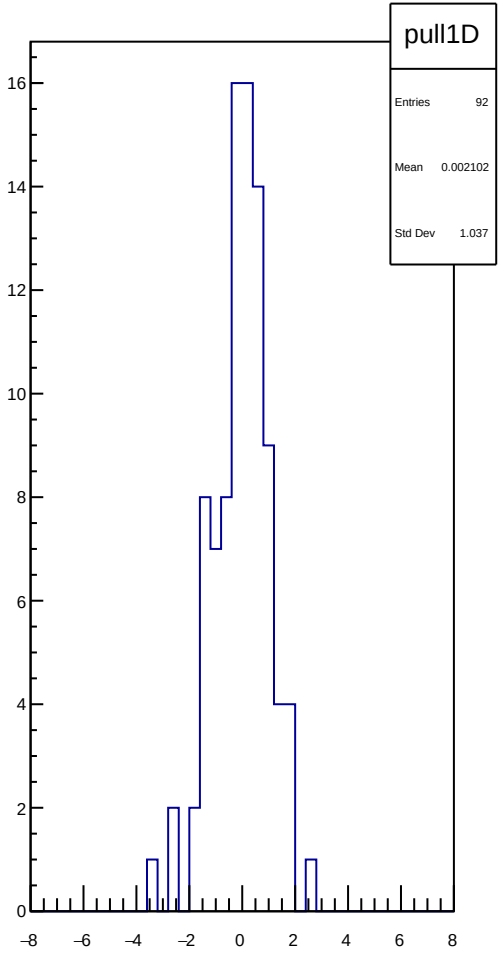

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 94.16 / 91
p0 −29.59 ± 45.9
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 92
Mean 155
Std Dev 151.6
3
2
1
0
−1

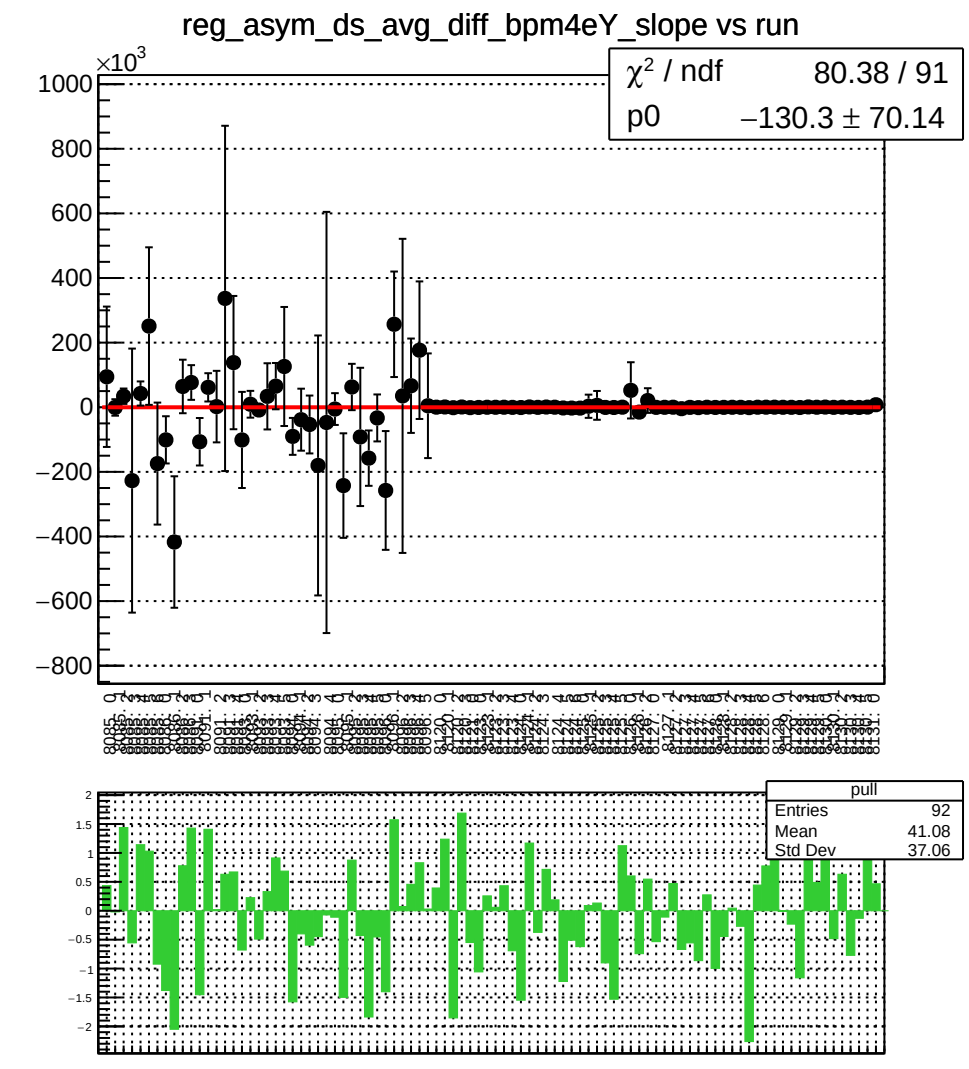

pull1D
Entries 92
Mean −0.00822
Std Dev 1.012
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

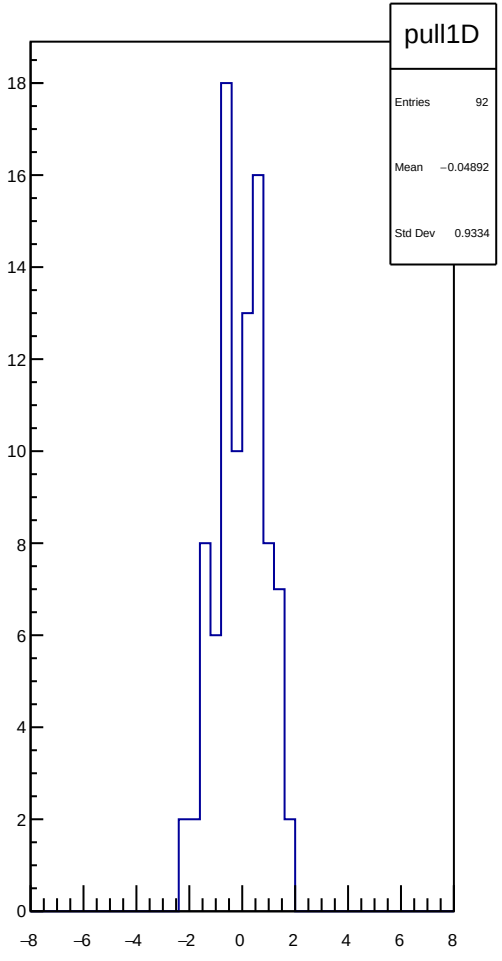

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 82.78 / 91
p0 118.5 ± 65.68
pull
Entries 92
Mean 26.24
Std Dev 47.52

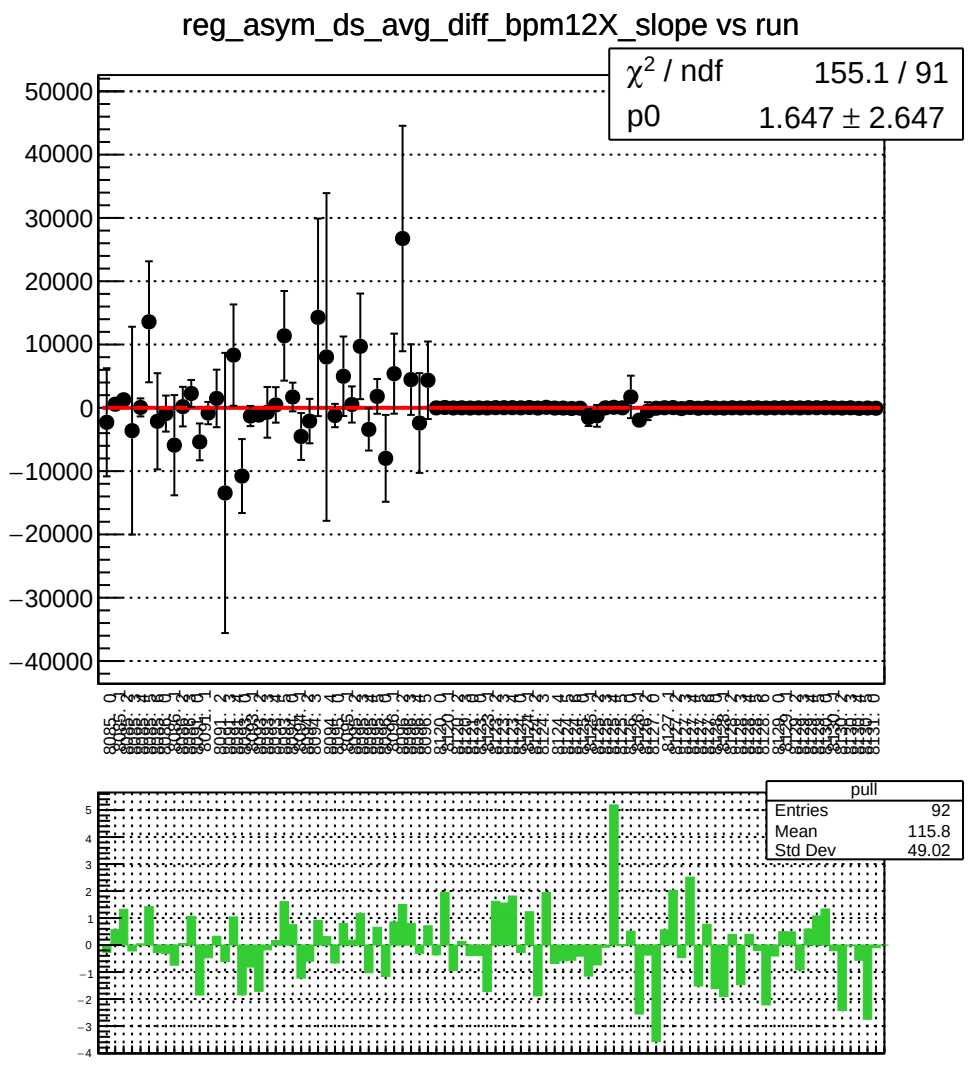

pull1D
Entries 92
Mean 0.04142
Std Dev 0.9477

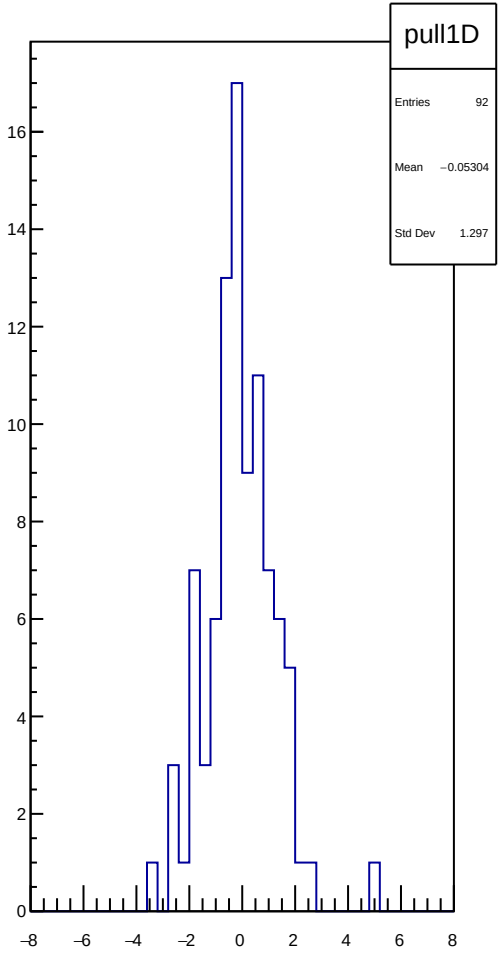

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 98.95 / 91
p0 28.25 ± 43.38
pull
Entries 92
Mean 233.8
Std Dev 298.2

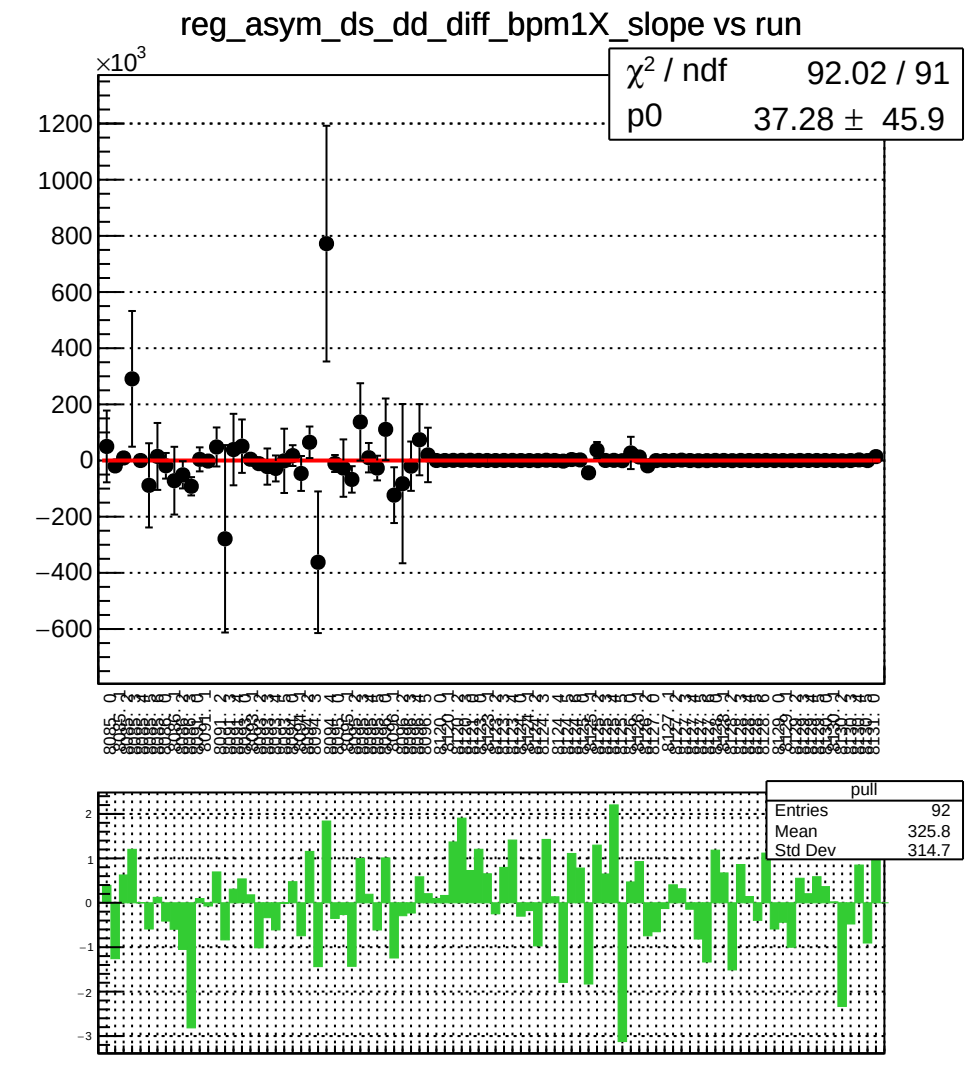

pull1D
Entries 92
Mean 0.002102
Std Dev 1.037

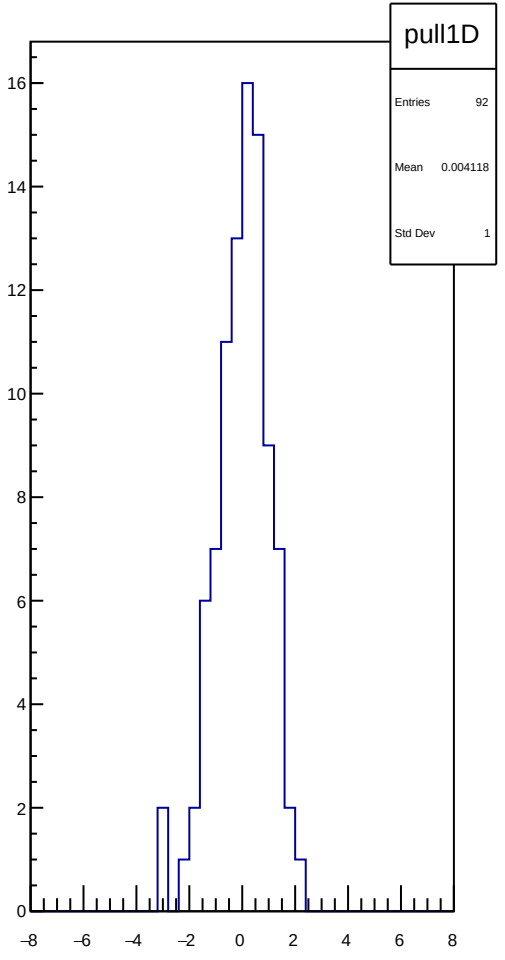

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 80.38 / 91
p0 −130.3 ± 70.14
pull
Entries 92
Mean 41.08
Std Dev 37.06

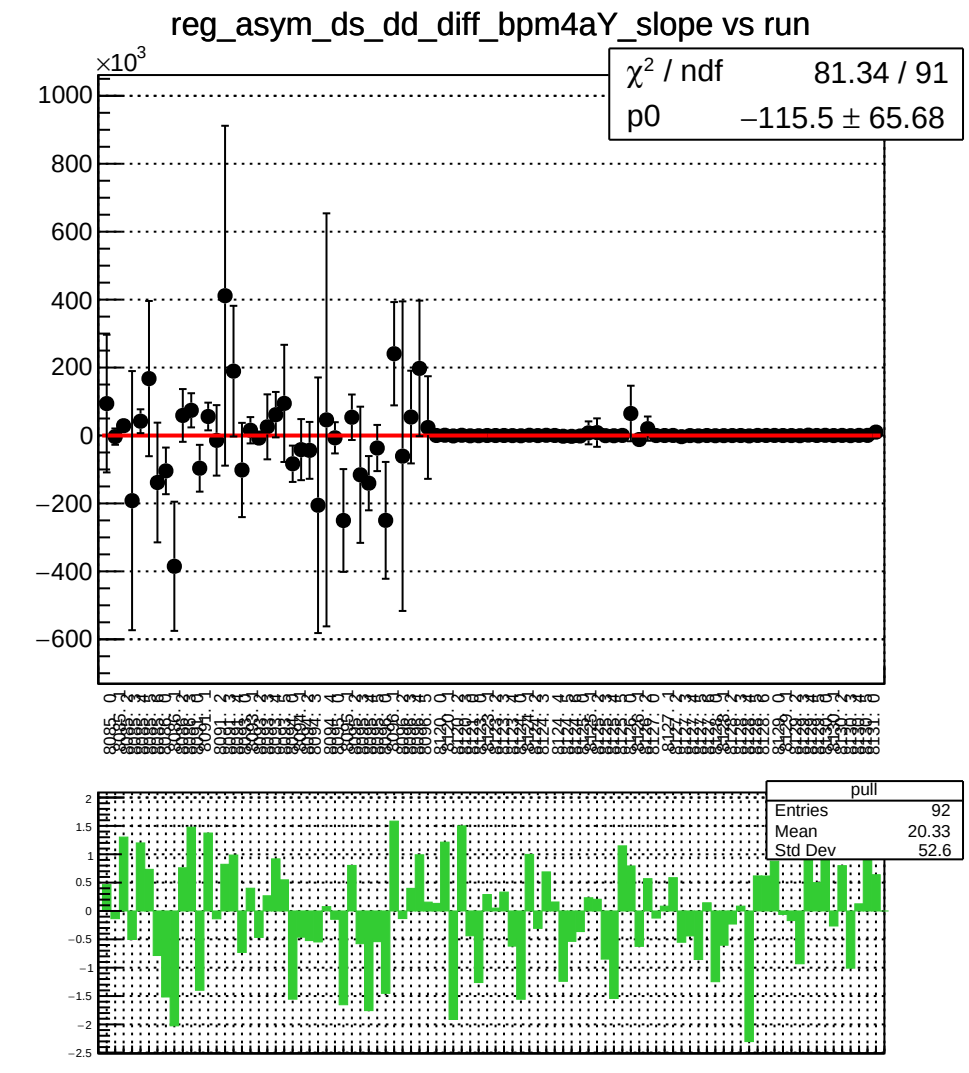

pull1D
Entries 92
Mean −0.04892
Std Dev 0.9334

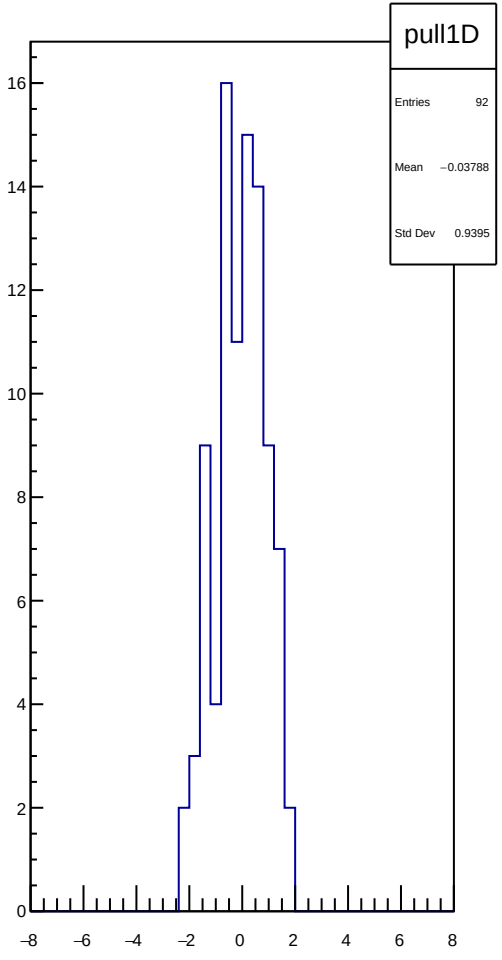

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 155.1 / 91
p0 1.647 ± 2.647
pull
Entries 92
Mean 115.8
Std Dev 49.02

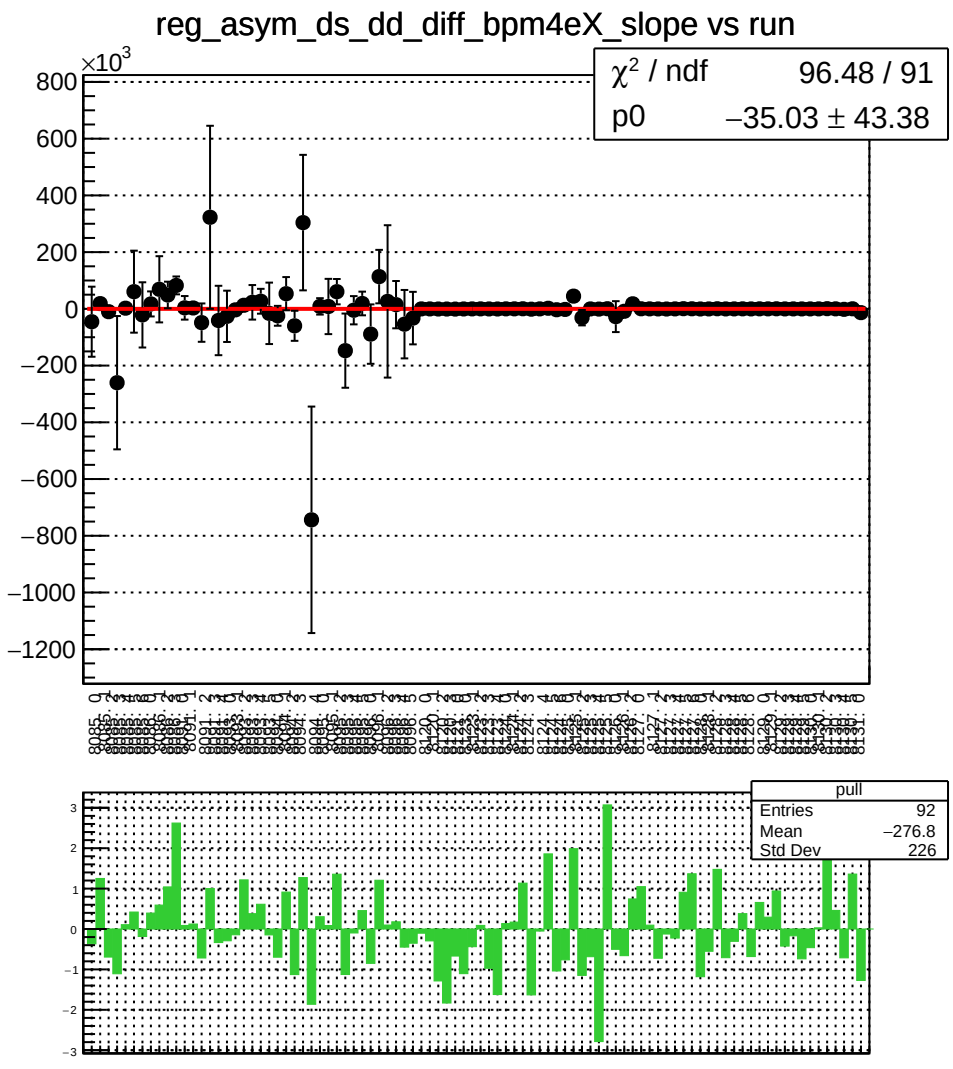

pull1D
Entries 92
Mean −0.05304
Std Dev 1.297

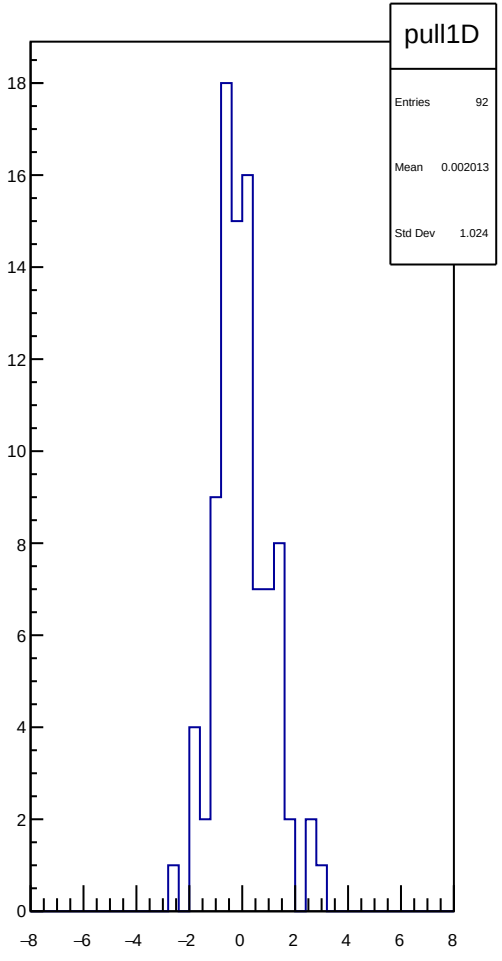

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 92.02 / 91
p0 37.28 ± 45.9
1200
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 92
Mean 325.8
Std Dev 314.7
2
1
0
−1
−2
−3

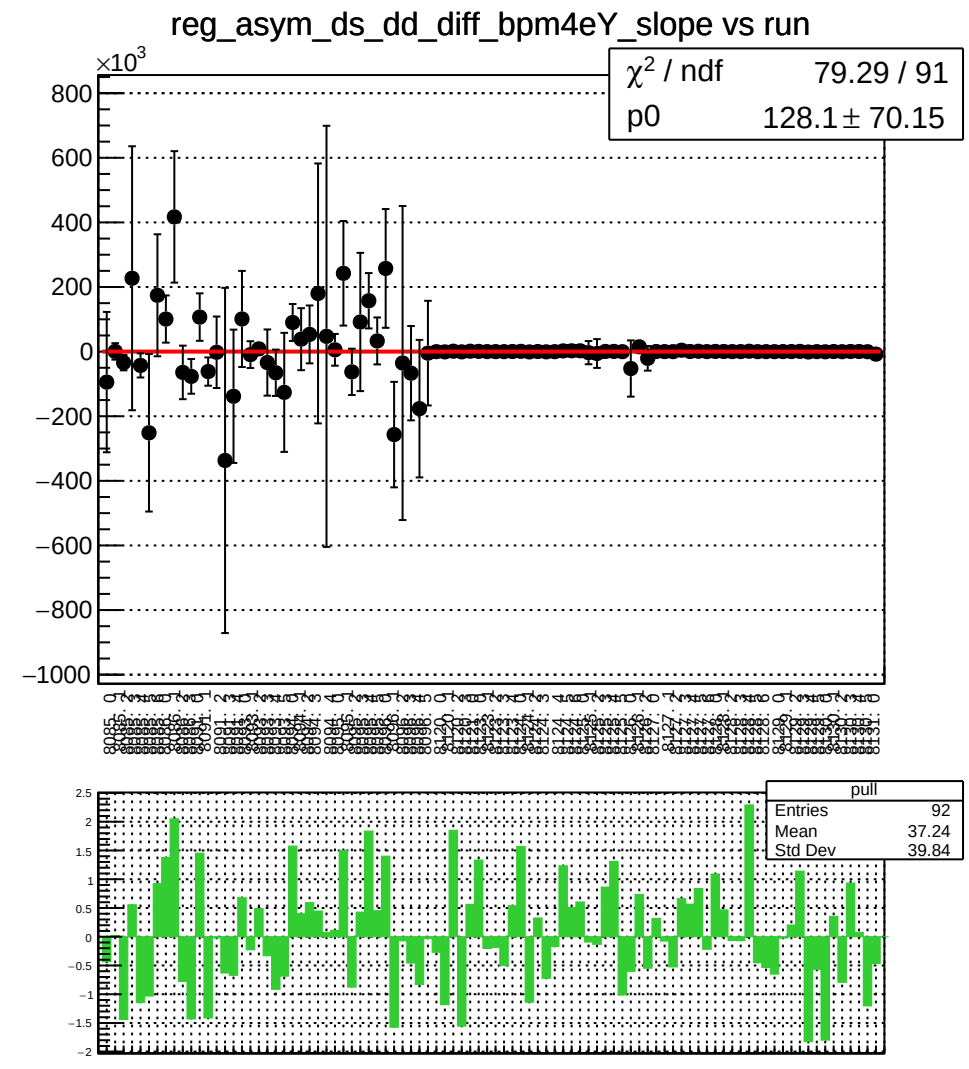

pull1D
Entries 92
Mean 0.004118
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

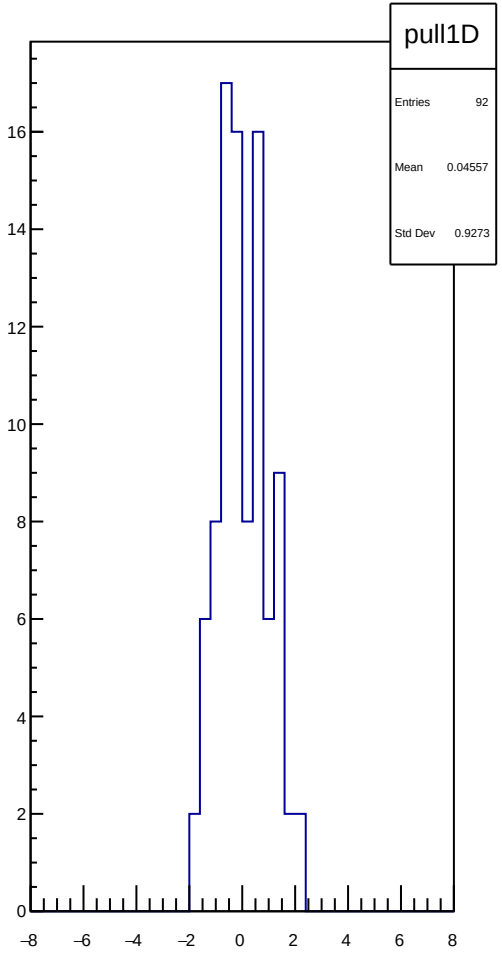

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 81.34 / 91
p0 −115.5 ± 65.68
pull
Entries 92
Mean 20.33
Std Dev 52.6

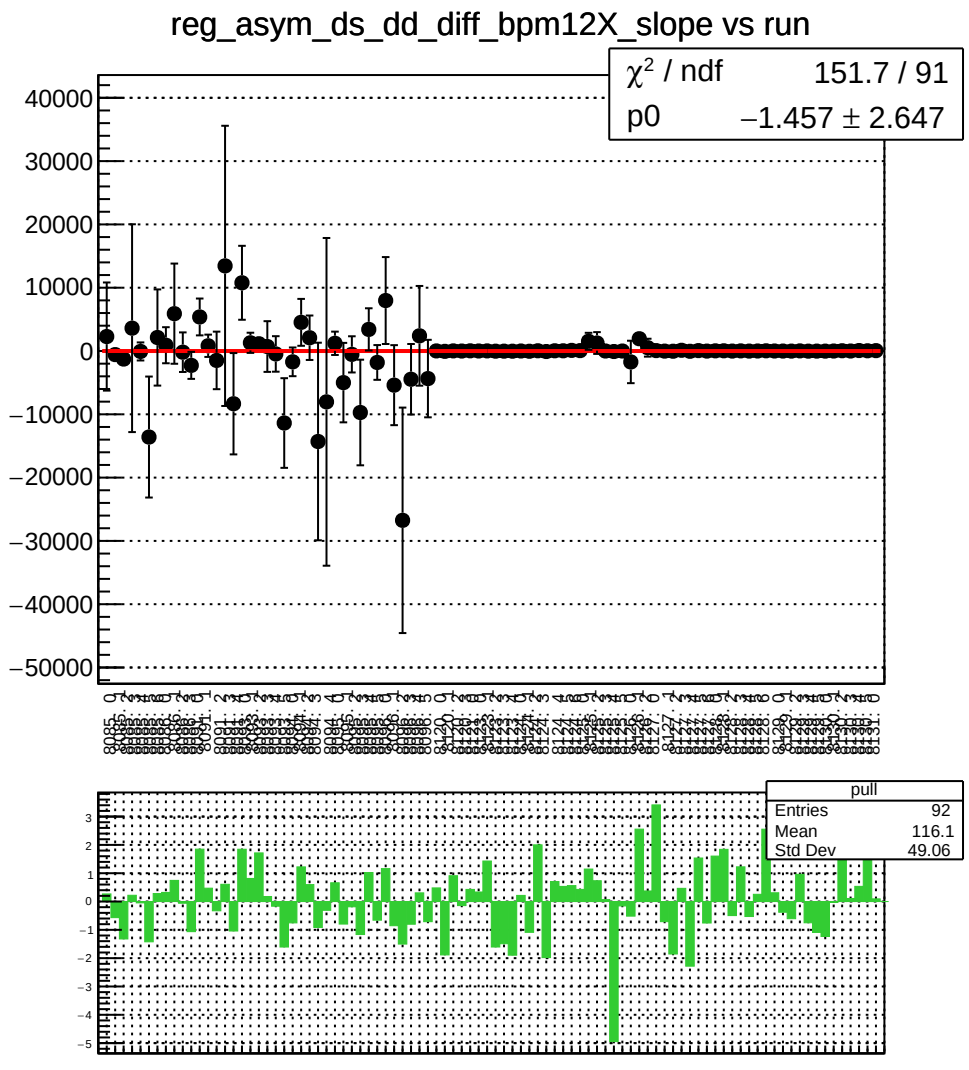

pull1D
Entries 92
Mean −0.03788
Std Dev 0.9395

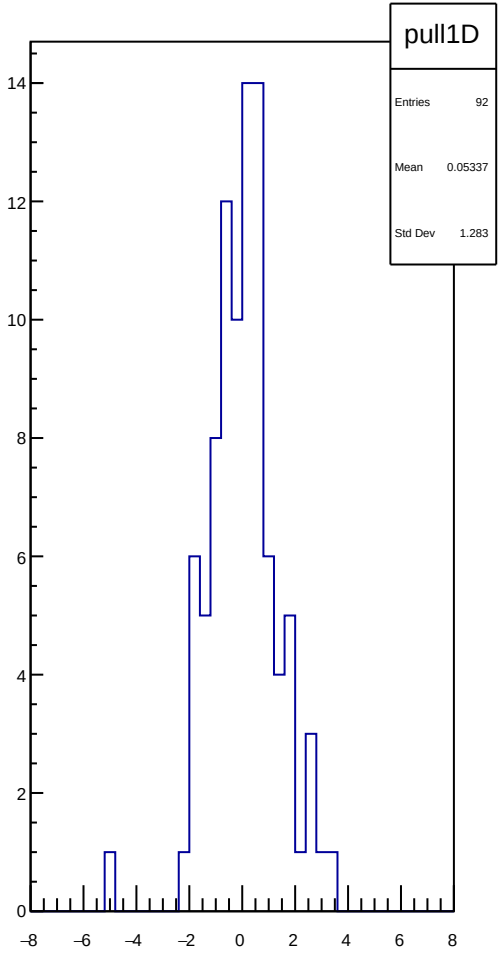

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 96.48 / 91
p0 −35.03 ± 43.38
pull
Entries 92
Mean −276.8
Std Dev 226

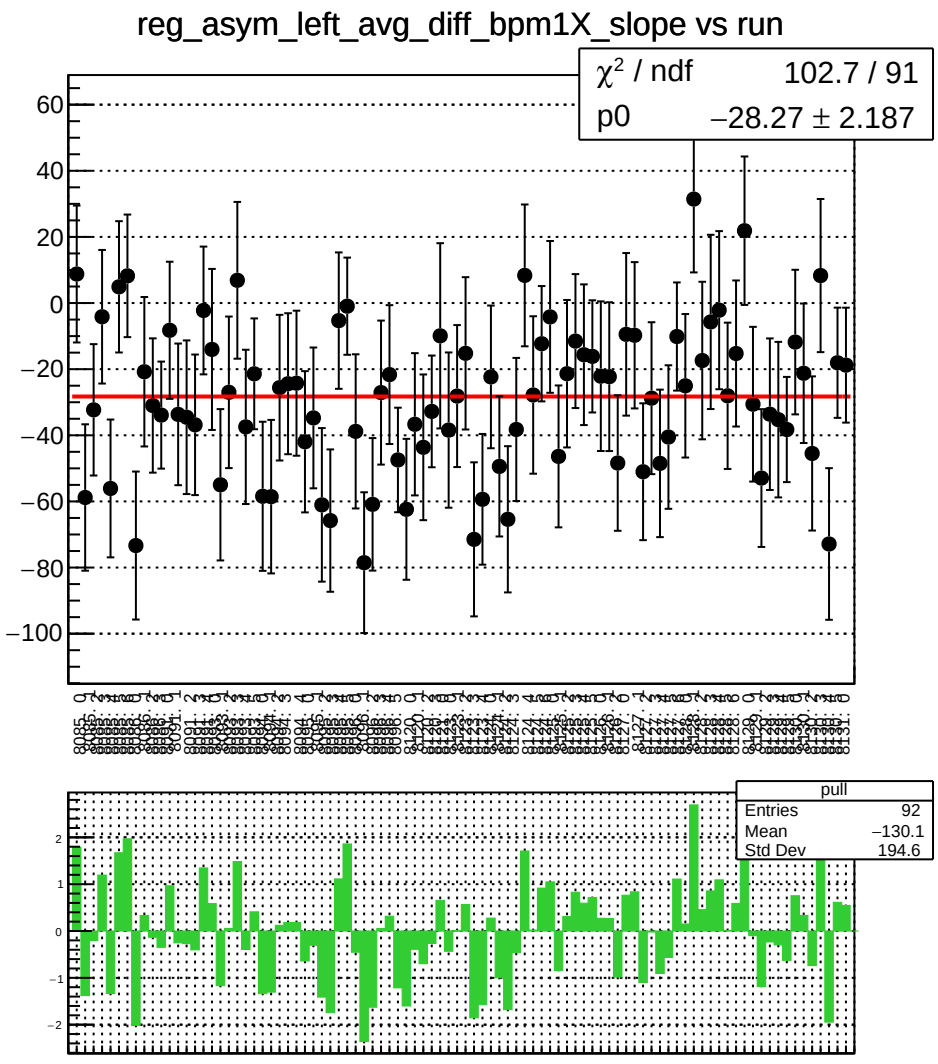

pull1D
Entries 92
Mean 0.002013
Std Dev 1.024

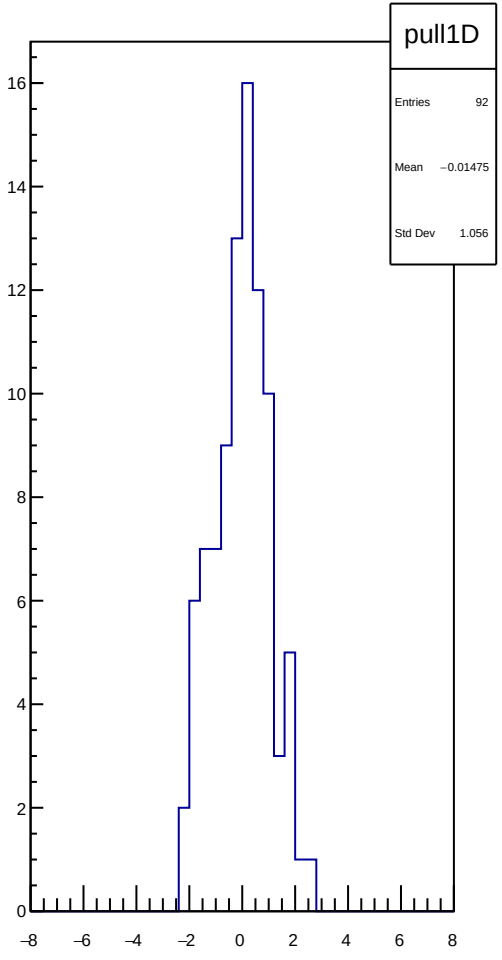

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 79.29 / 91
p0 128.1 ± 70.15
pull
Entries 92
Mean 37.24
Std Dev 39.84

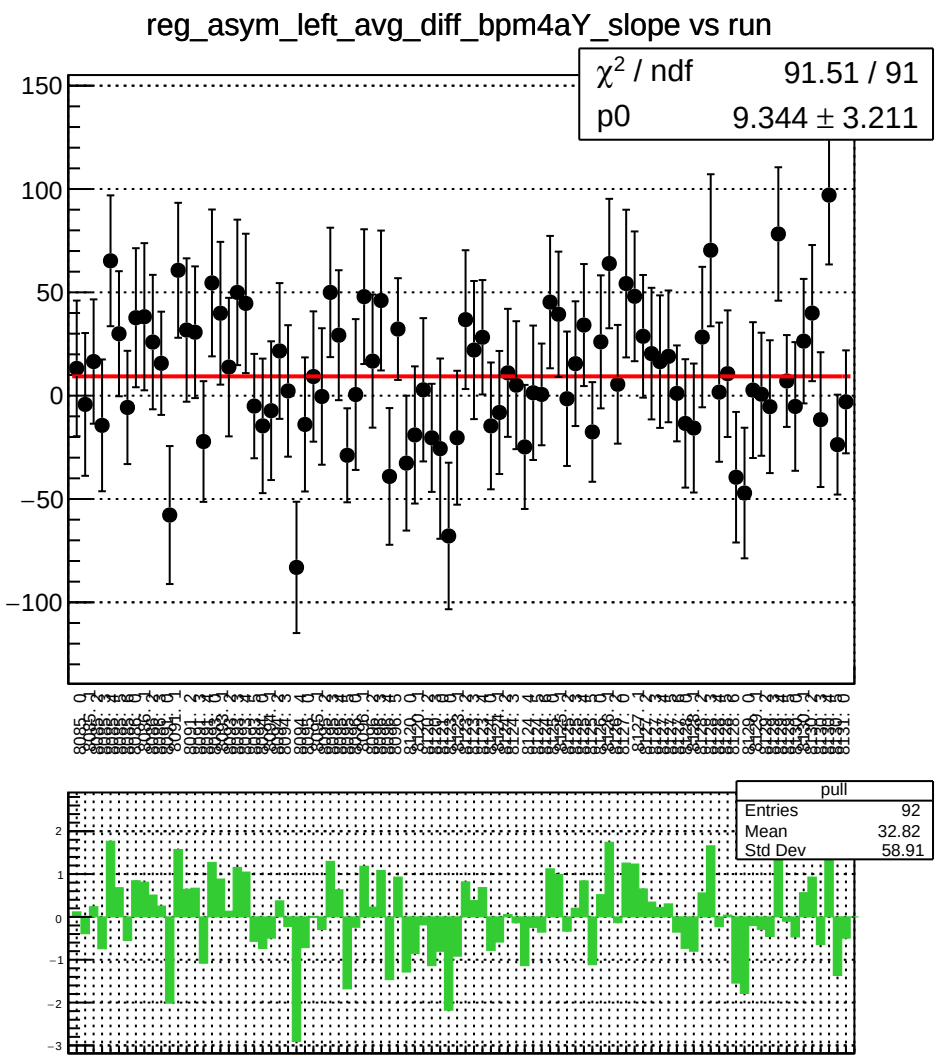

pull1D
Entries 92
Mean 0.04557
Std Dev 0.9273

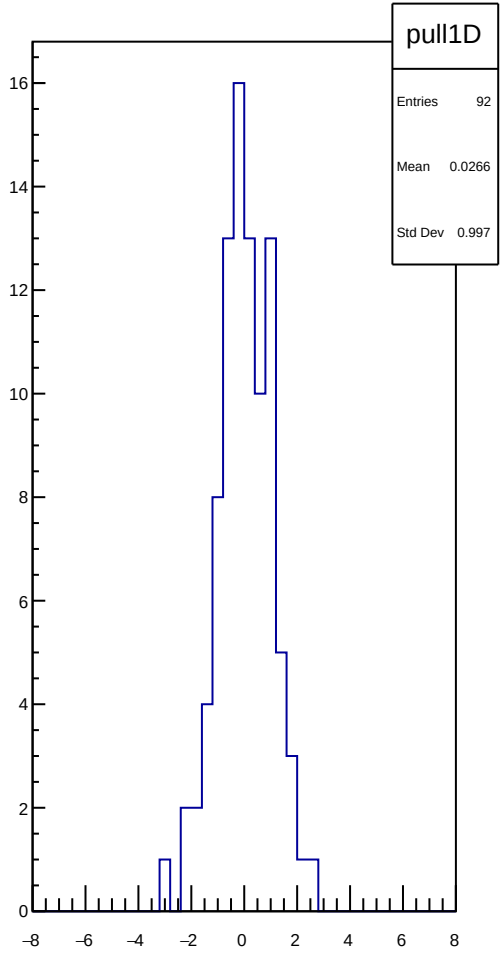

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 151.7 / 91
p0 −1.457 ± 2.647
pull
Entries 92
Mean 116.1
Std Dev 49.06

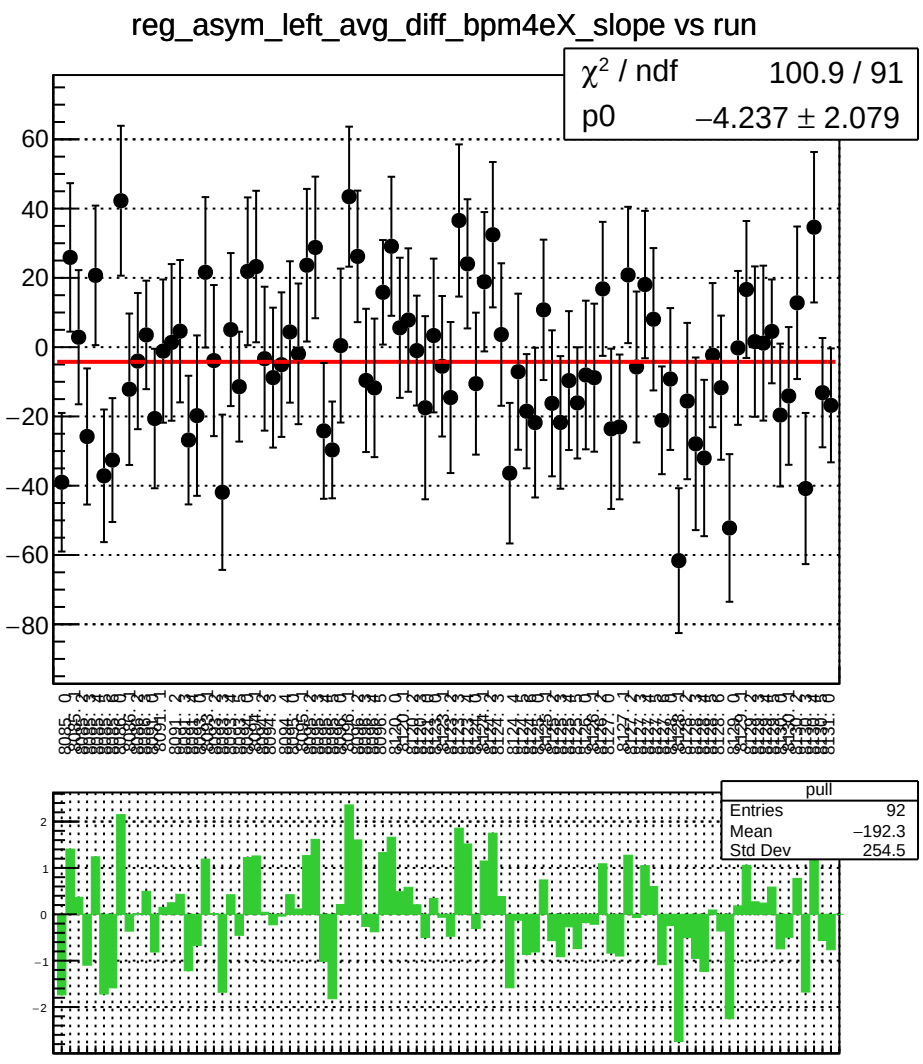

pull1D
Entries 92
Mean 0.05337
Std Dev 1.283

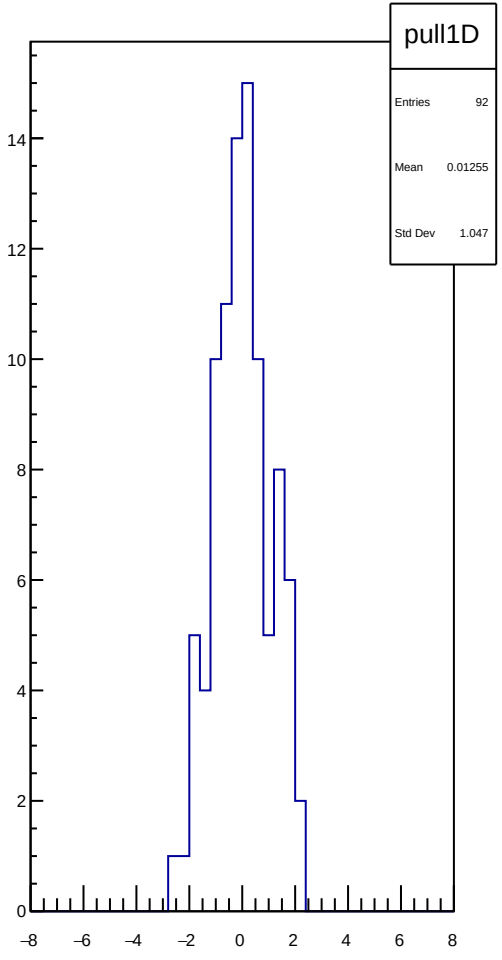

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 102.7 / 91
p0 −28.27 ± 2.187
pull
Entries 92
Mean −130.1
Std Dev 194.6

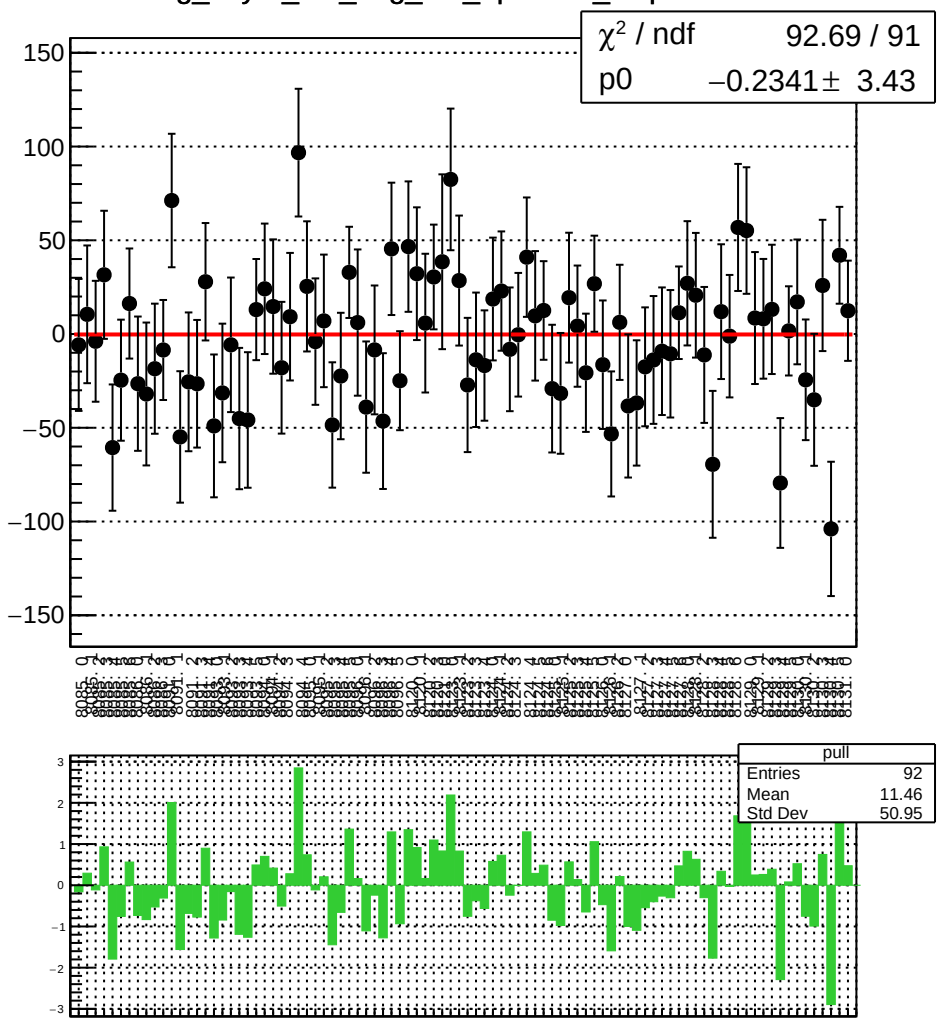

pull1D
Entries 92
Mean −0.01475
Std Dev 1.056

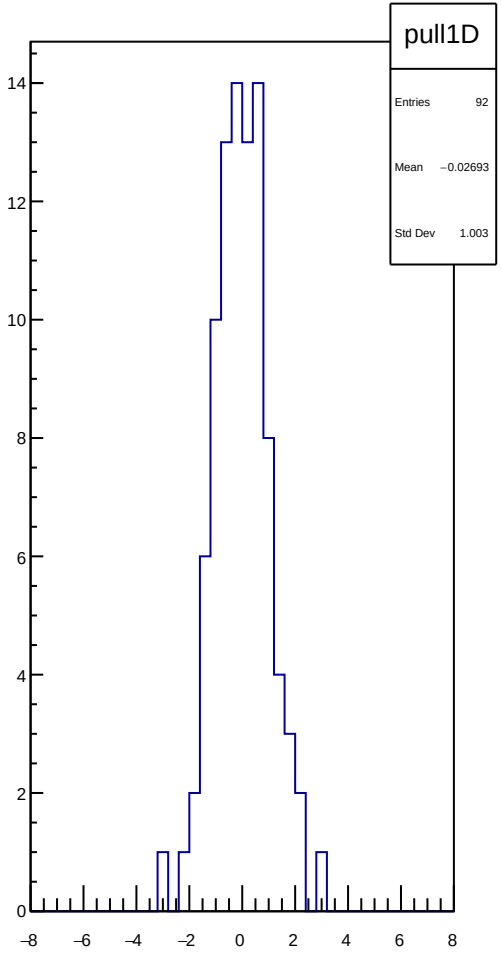

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 91.51 / 91
p0 9.344 ± 3.211
150
100
50
0
−50
−100
pull
Entries 92
Mean 32.82
Std Dev 58.91
2
1
0
−1
−2
−3

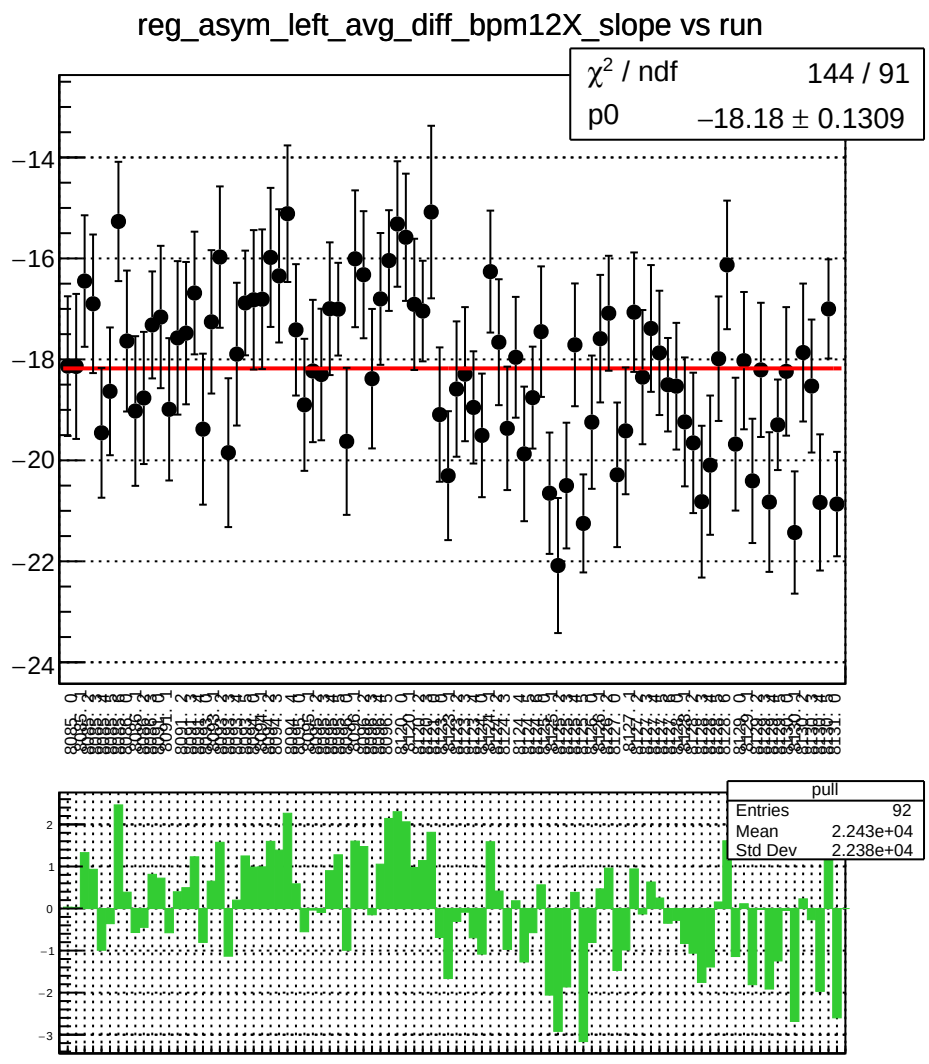

pull1D
Entries 92
Mean 0.0266
Std Dev 0.997
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

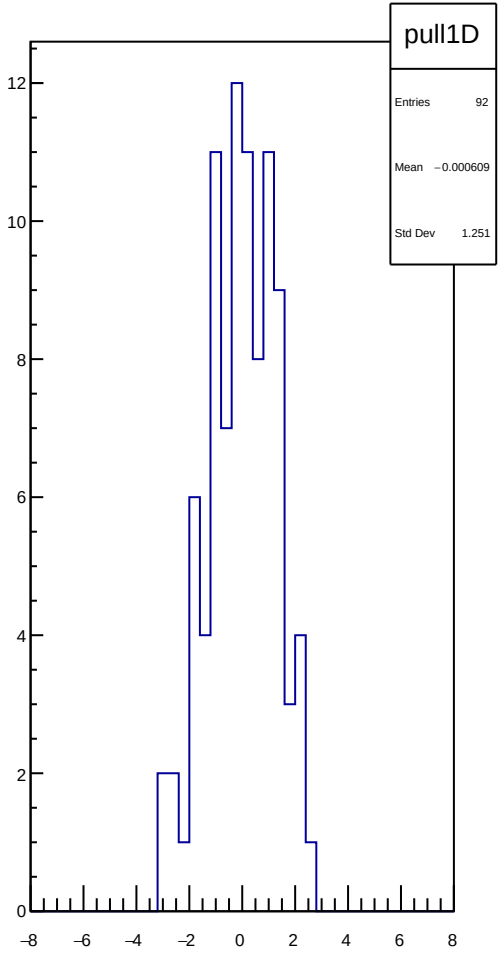

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.9 / 91
p0 −4.237 ± 2.079
pull
Entries 92
Mean −192.3
Std Dev 254.5

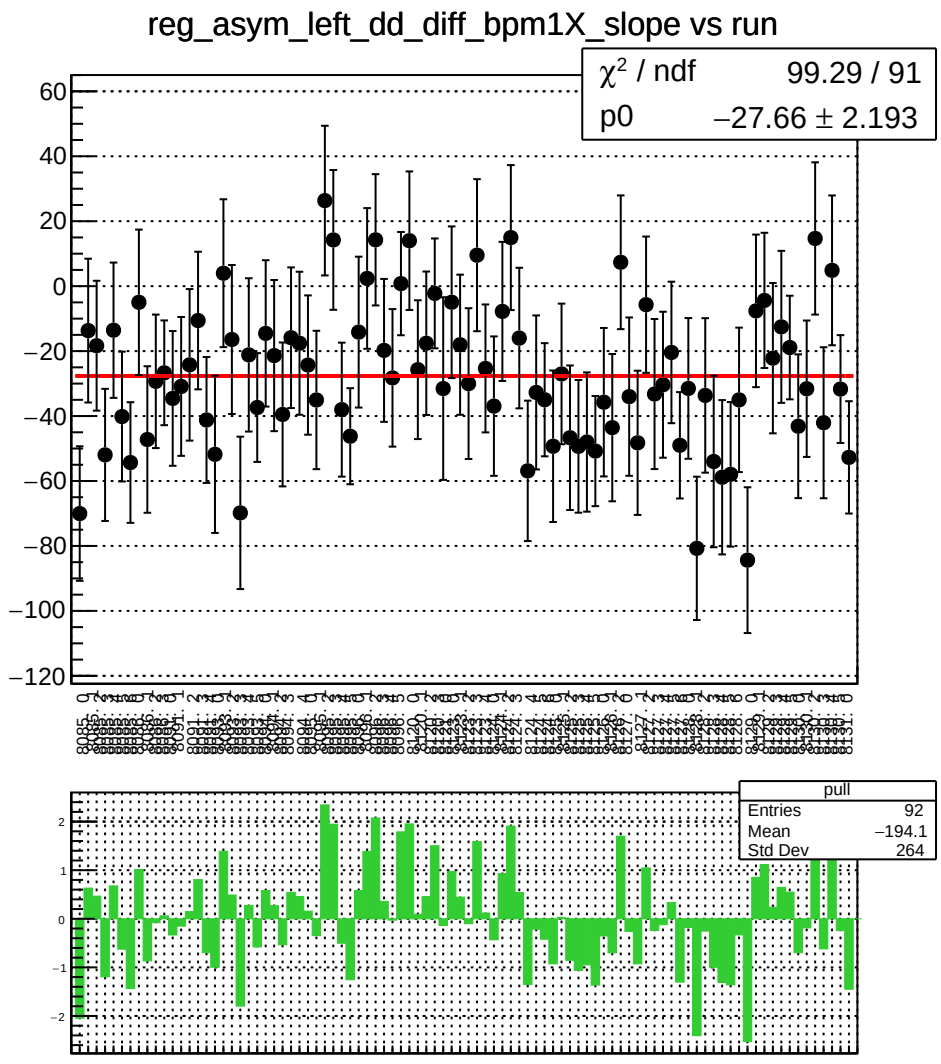

pull1D
Entries 92
Mean 0.01255
Std Dev 1.047

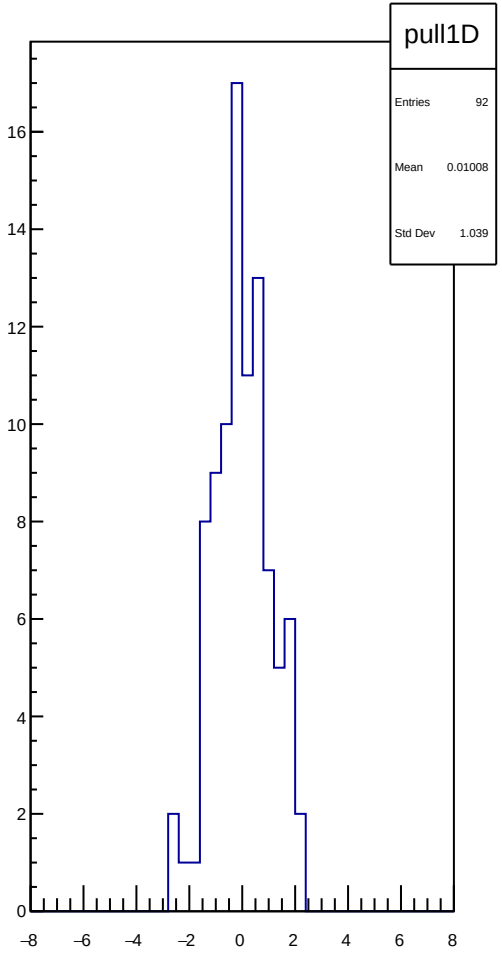

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 92.69 / 91
p0 −0.2341± 3.43
pull
Entries 92
Mean 11.46
Std Dev 50.95

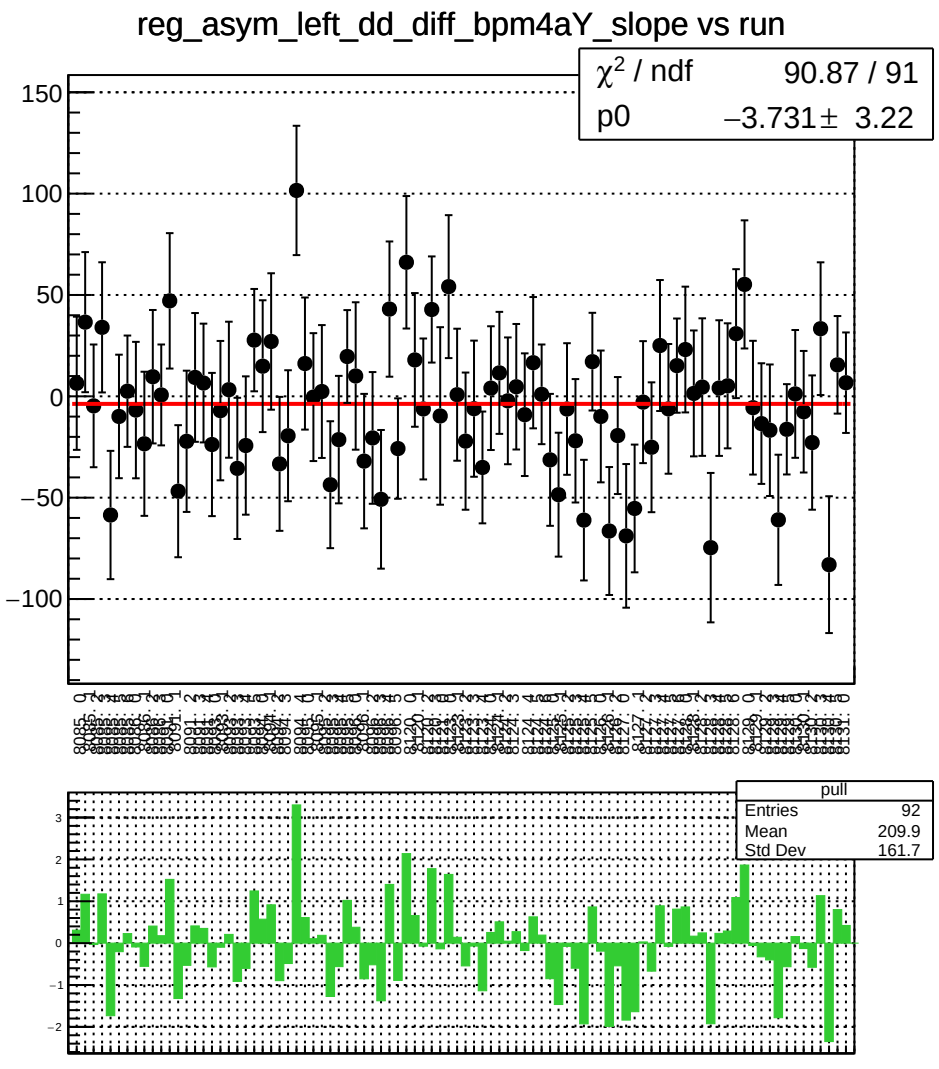

pull1D
Entries 92
Mean −0.02693
Std Dev 1.003

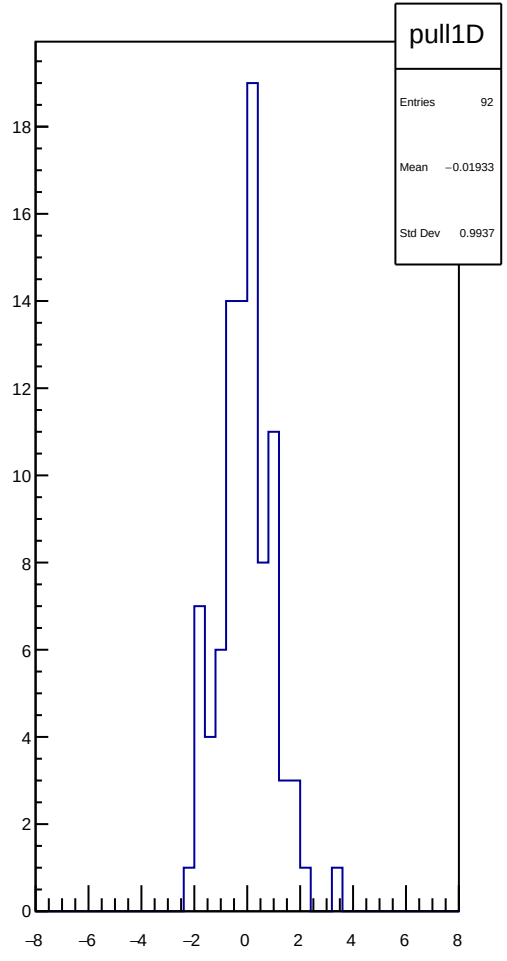

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 144 / 91
p0 −18.18 ± 0.1309
pull
Entries 92
Mean 2.243e+04
Std Dev 2.238e+04

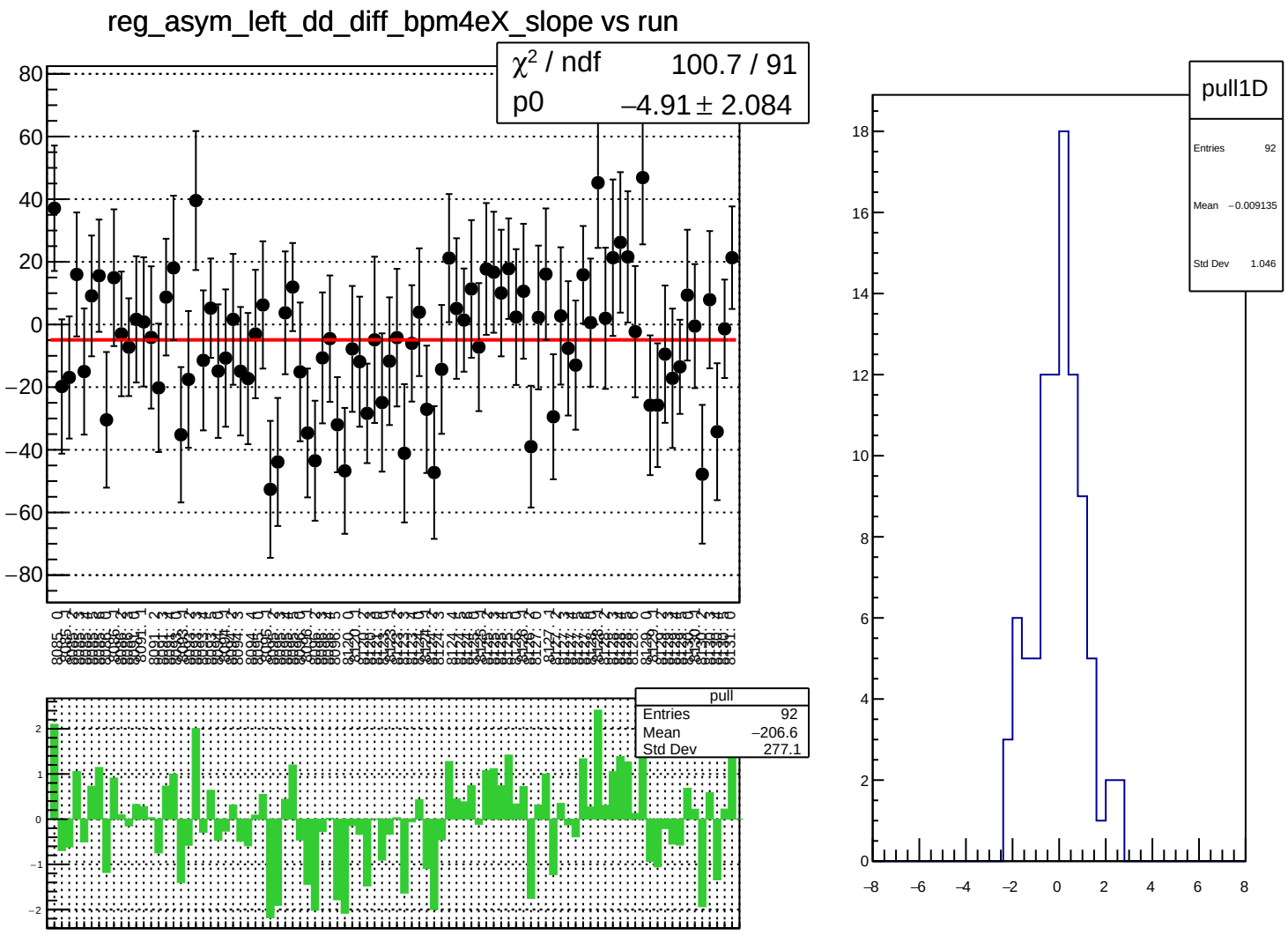

pull1D
Entries 92
Mean −0.000609
Std Dev 1.251

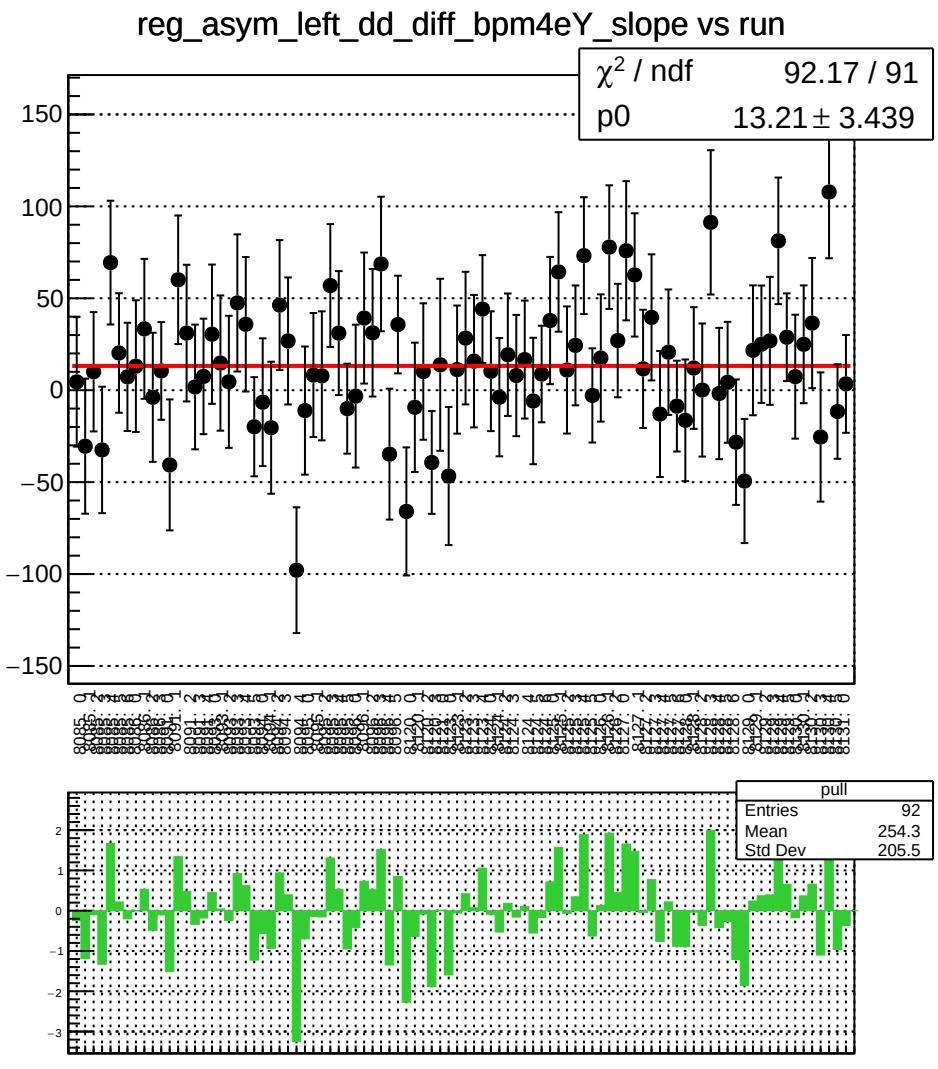

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 99.29 / 91
p0 −27.66 ± 2.193
pull
Entries 92
Mean −194.1
Std Dev 264

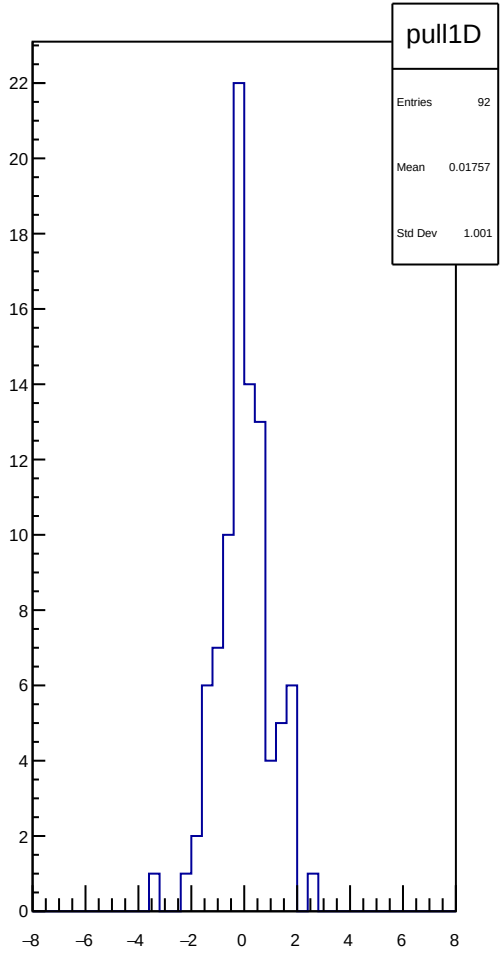

pull1D
Entries 92
Mean 0.01008
Std Dev 1.039

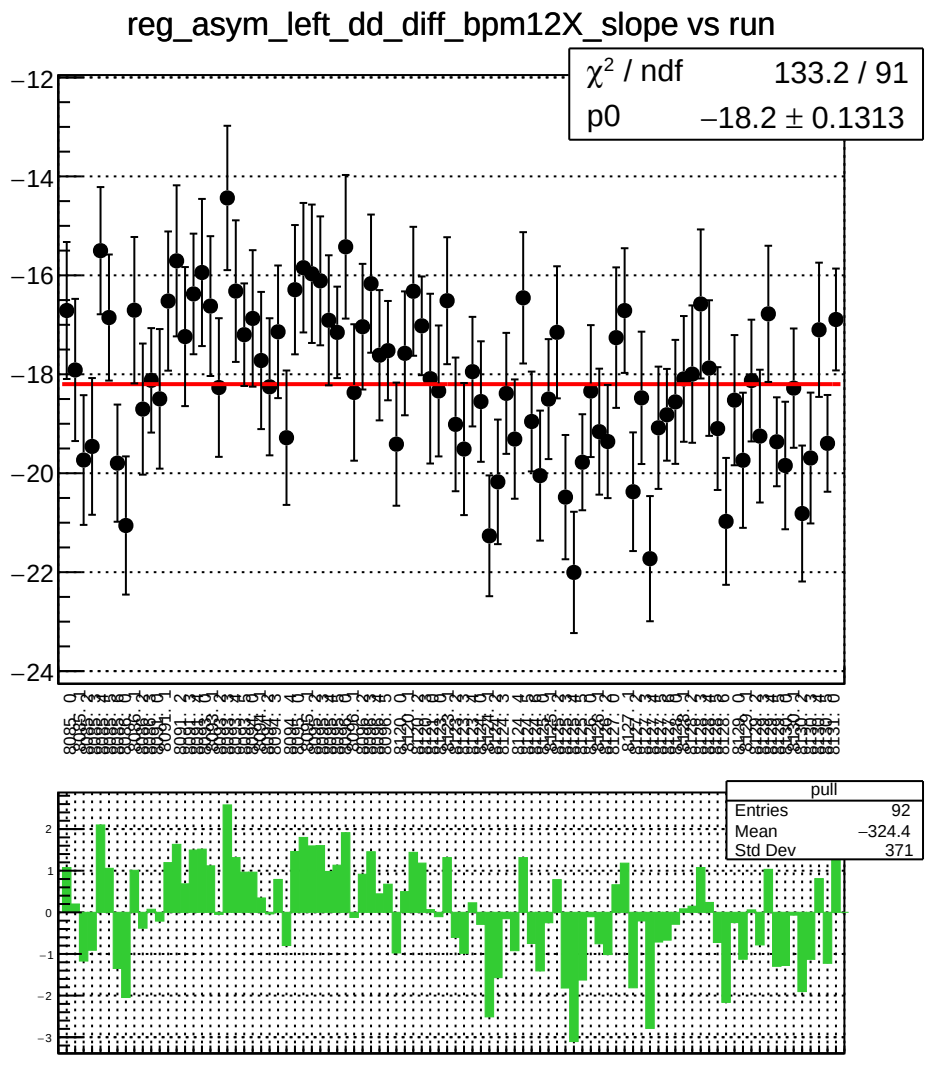

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.87 / 91
p0 −3.731 ± 3.22
150
100
50
0
−50
−100
pull
Entries 92
Mean 209.9
Std Dev 161.7
3
2
1
0
−1
−2

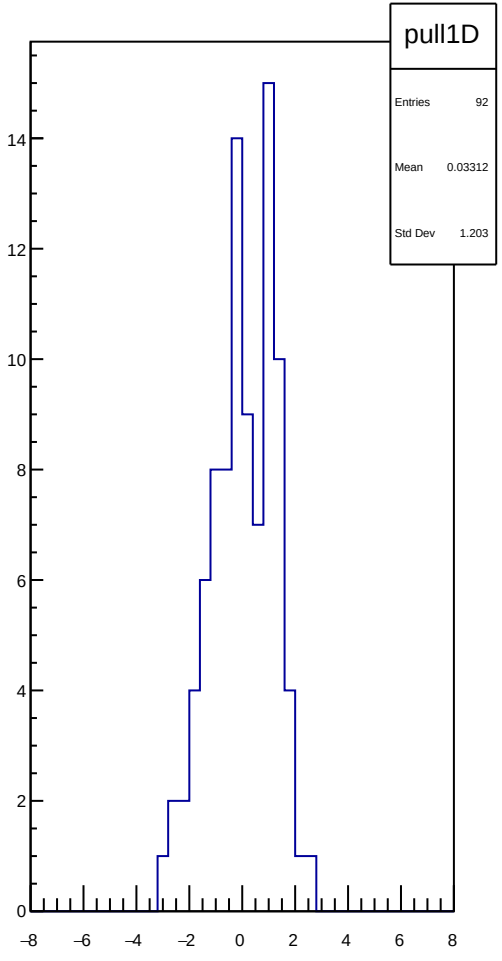

pull1D
Entries 92
Mean −0.01933
Std Dev 0.9937
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

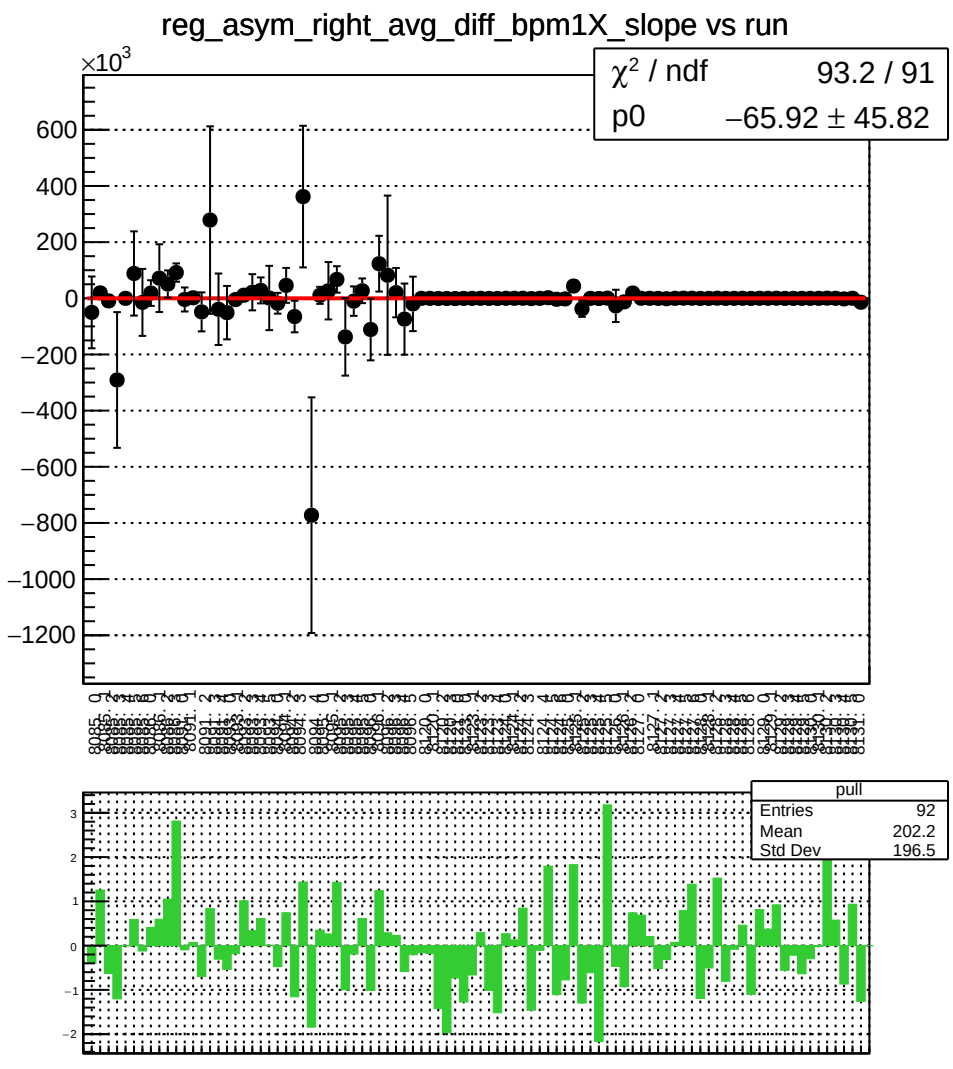

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 100.7 / 91
p0 −4.91 ± 2.084
pull
Entries 92
Mean −206.6
Std Dev 277.1
pull1D
Entries 92
Mean −0.009135
Std Dev 1.046

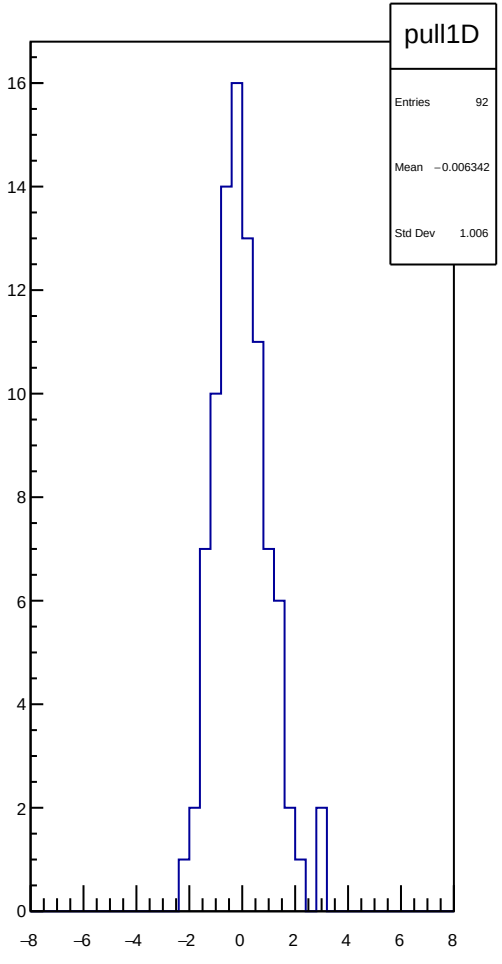

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.17 / 91
p0 13.21 ± 3.439
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 254.3
Std Dev 205.5
2
1
0
−1
−2
−3

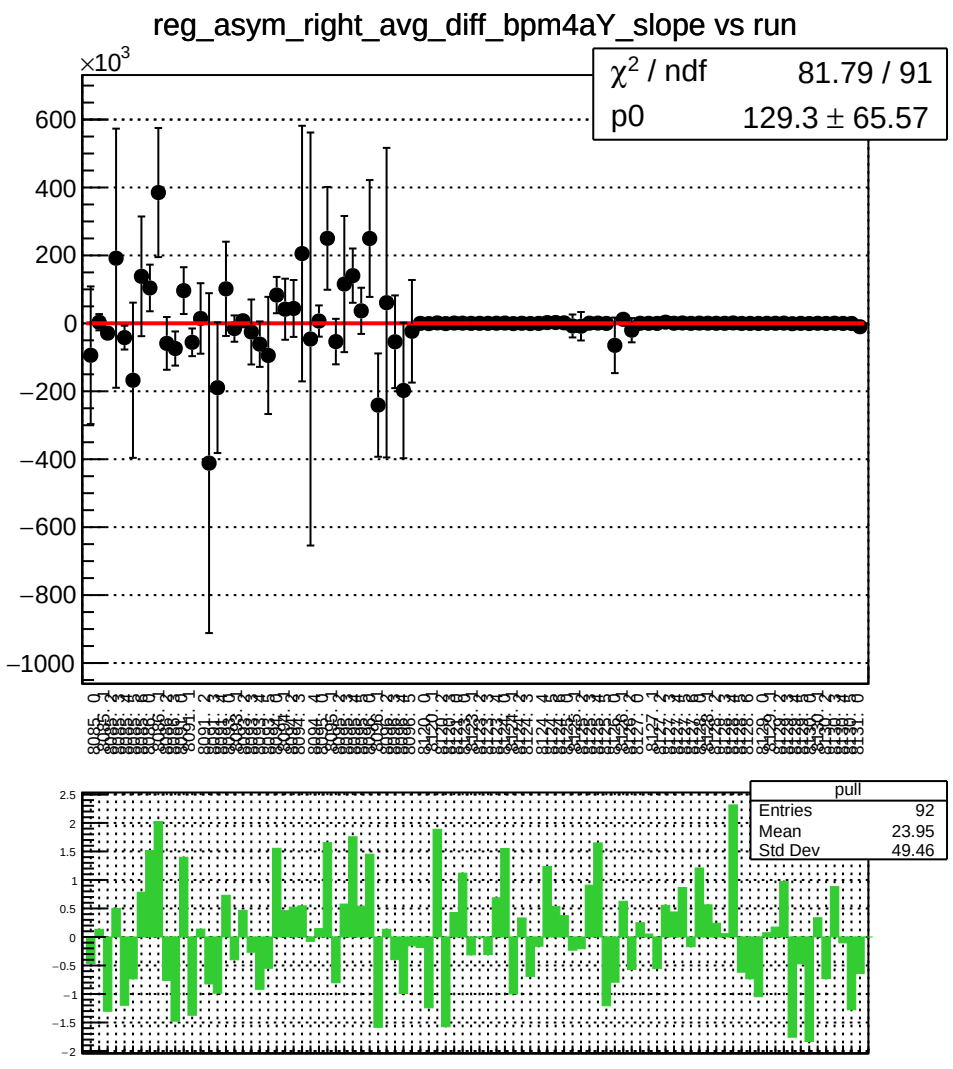

pull1D
Entries 92
Mean 0.01757
Std Dev 1.001
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

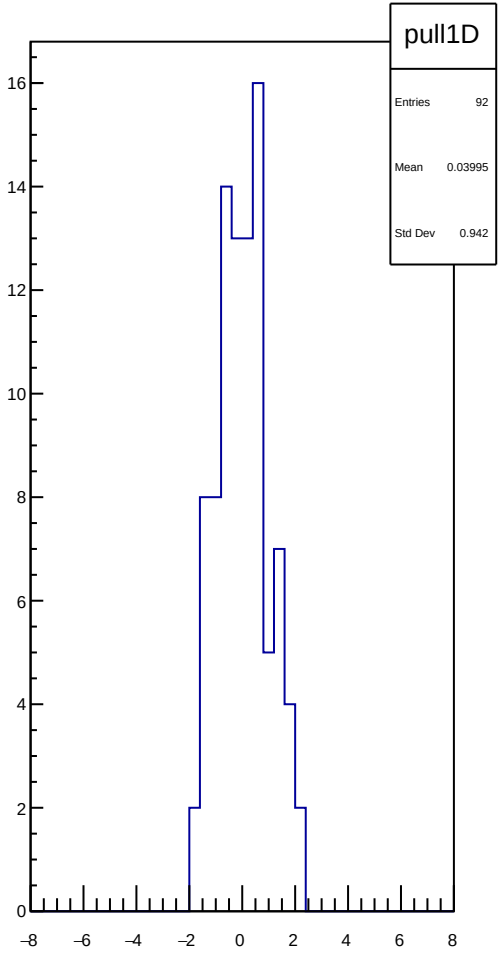

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 133.2 / 91
p0 −18.2 ± 0.1313
pull
Entries 92
Mean −324.4
Std Dev 371

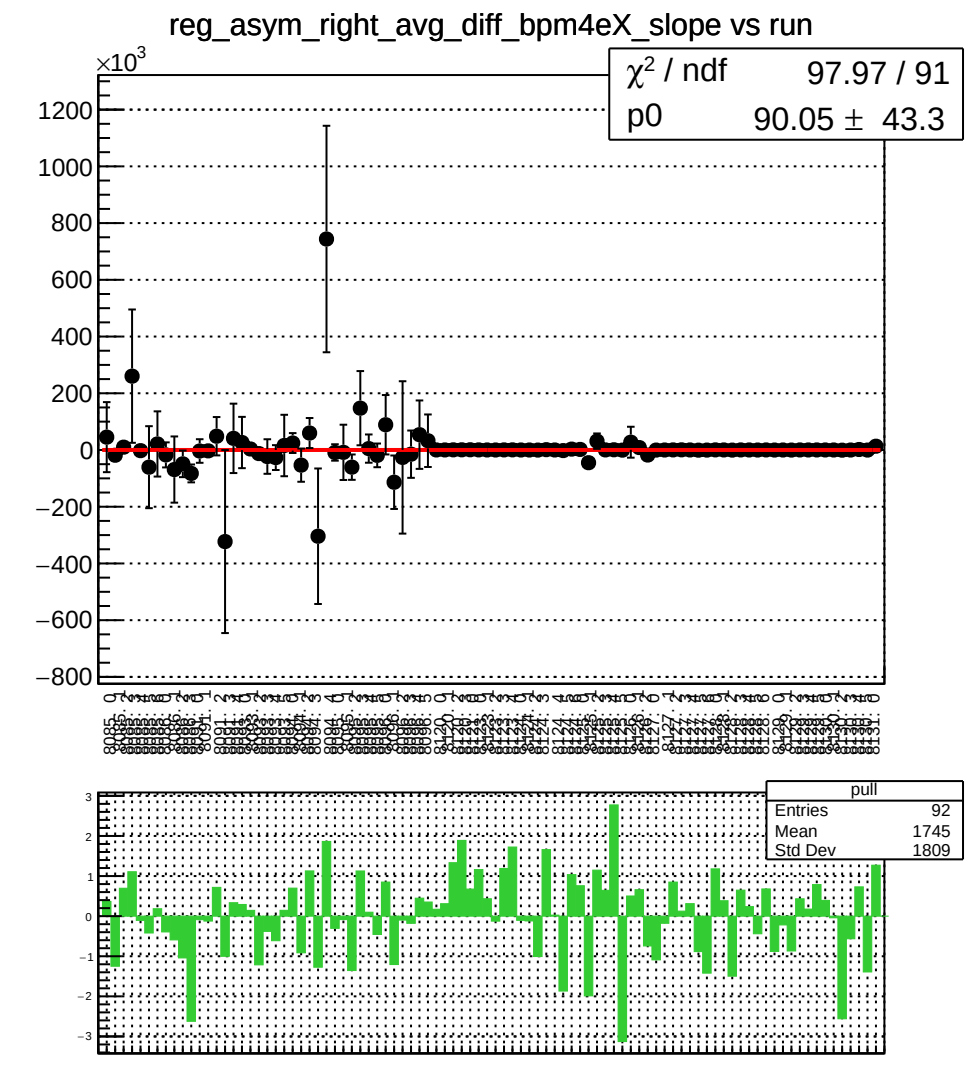

pull1D
Entries 92
Mean 0.03312
Std Dev 1.203

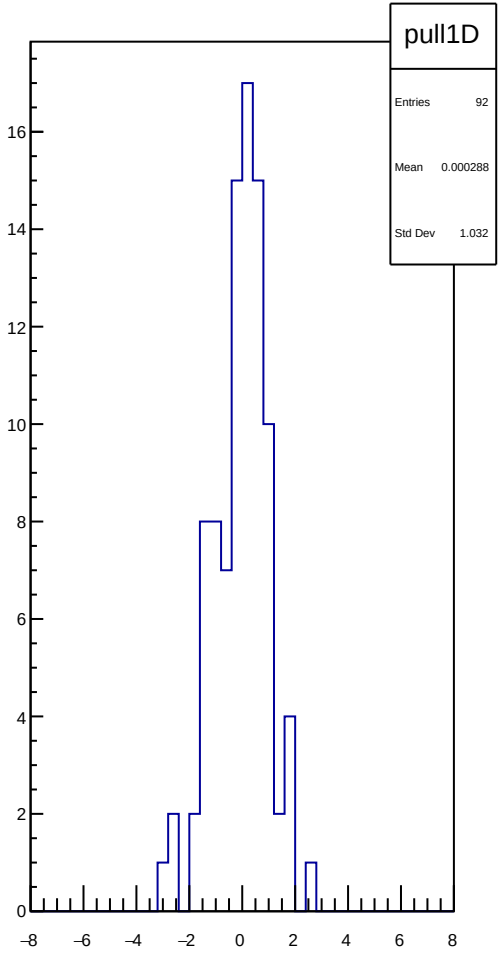

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 93.2 / 91
p0 −65.92 ± 45.82
pull
Entries 92
Mean 202.2
Std Dev 196.5

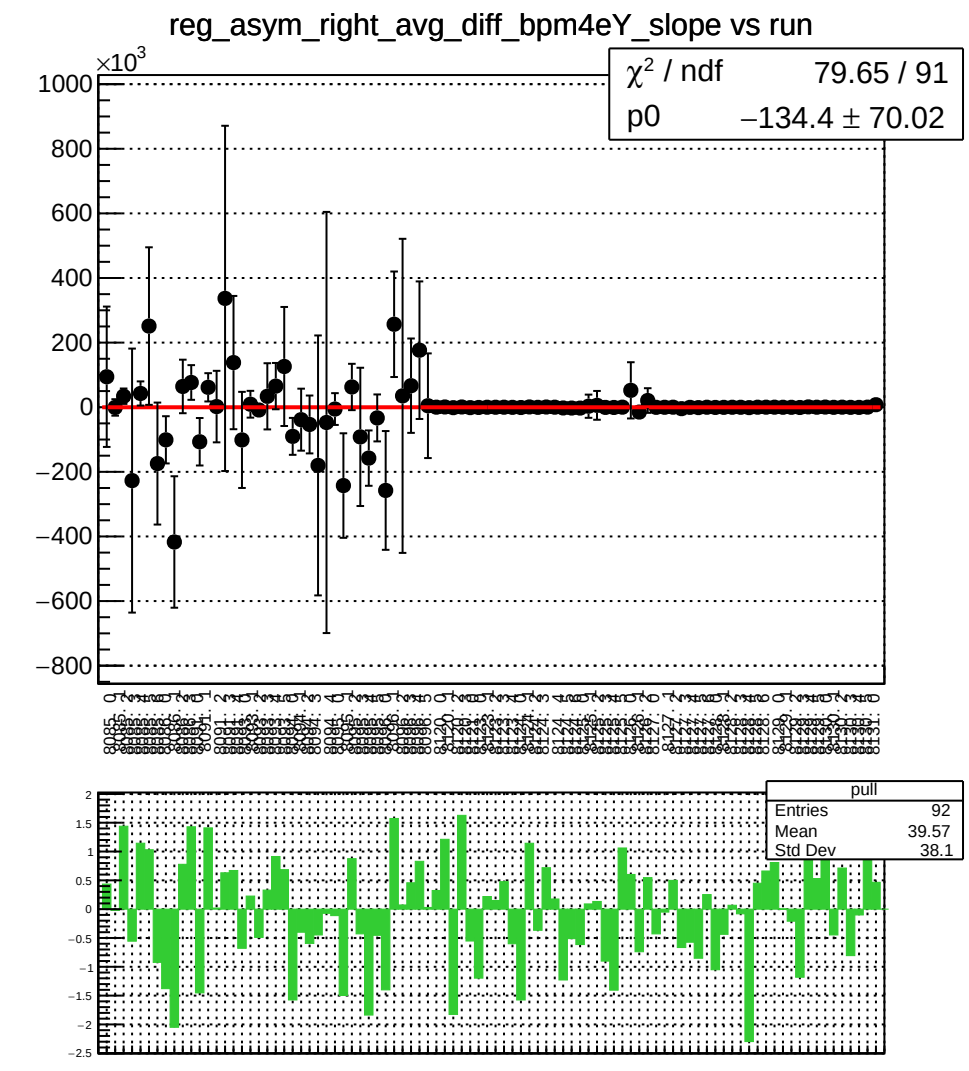

pull1D
Entries 92
Mean −0.006342
Std Dev 1.006

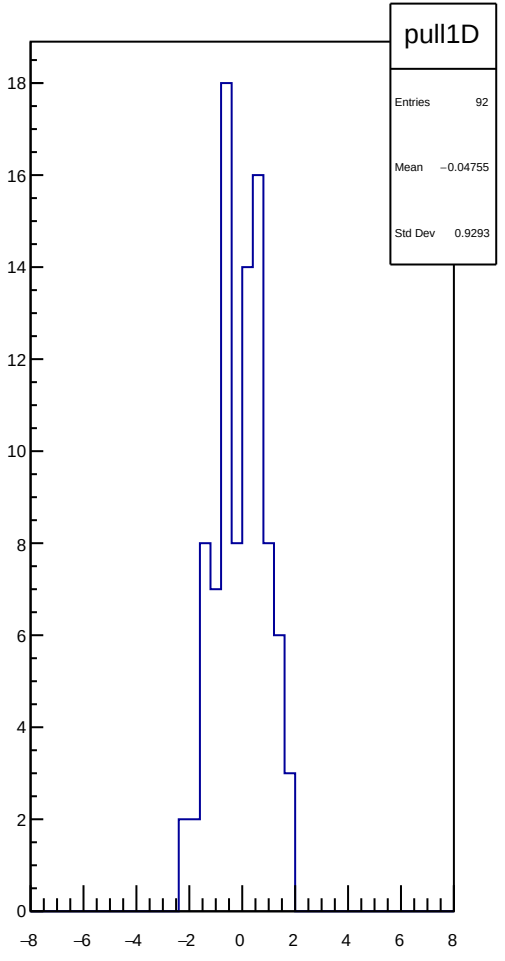

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 81.79 / 91
p0 129.3 ± 65.57
pull
Entries 92
Mean 23.95
Std Dev 49.46

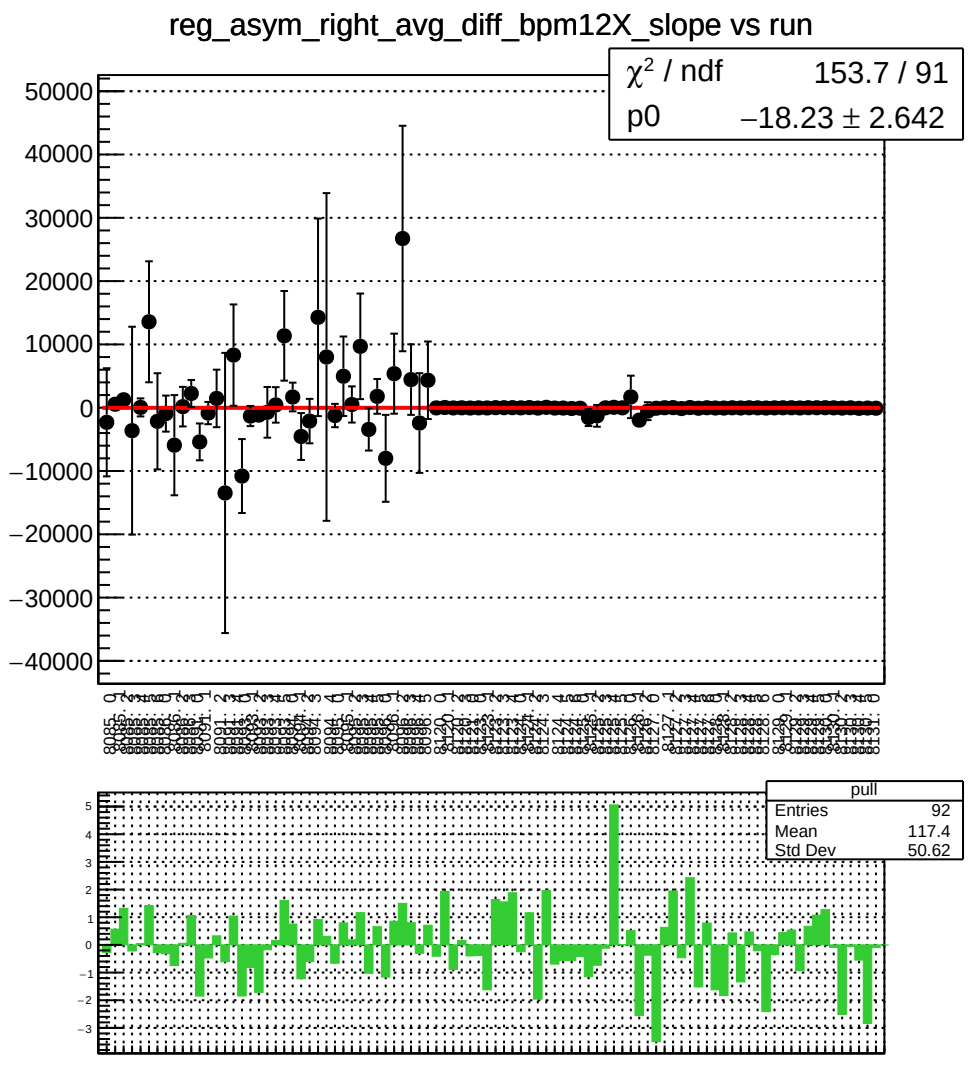

pull1D
Entries 92
Mean 0.03995
Std Dev 0.942

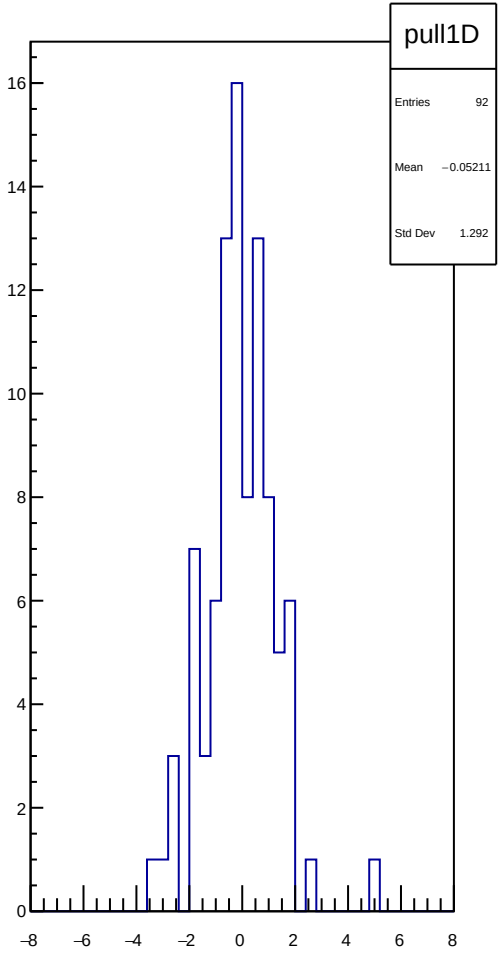

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 97.97 / 91
p0 90.05 ± 43.3
pull
Entries 92
Mean 1745
Std Dev 1809

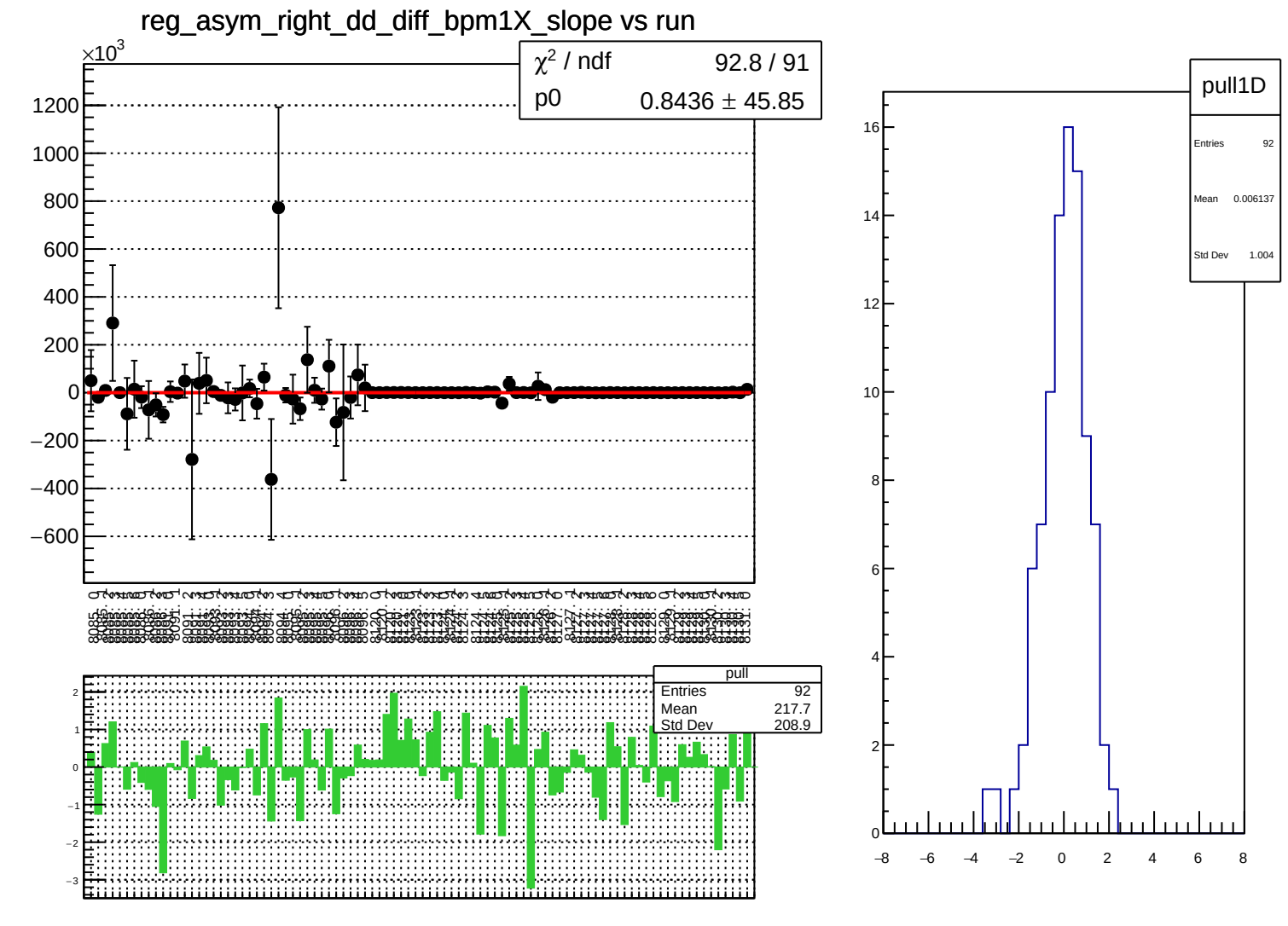

pull1D
Entries 92
Mean 0.000288
Std Dev 1.032

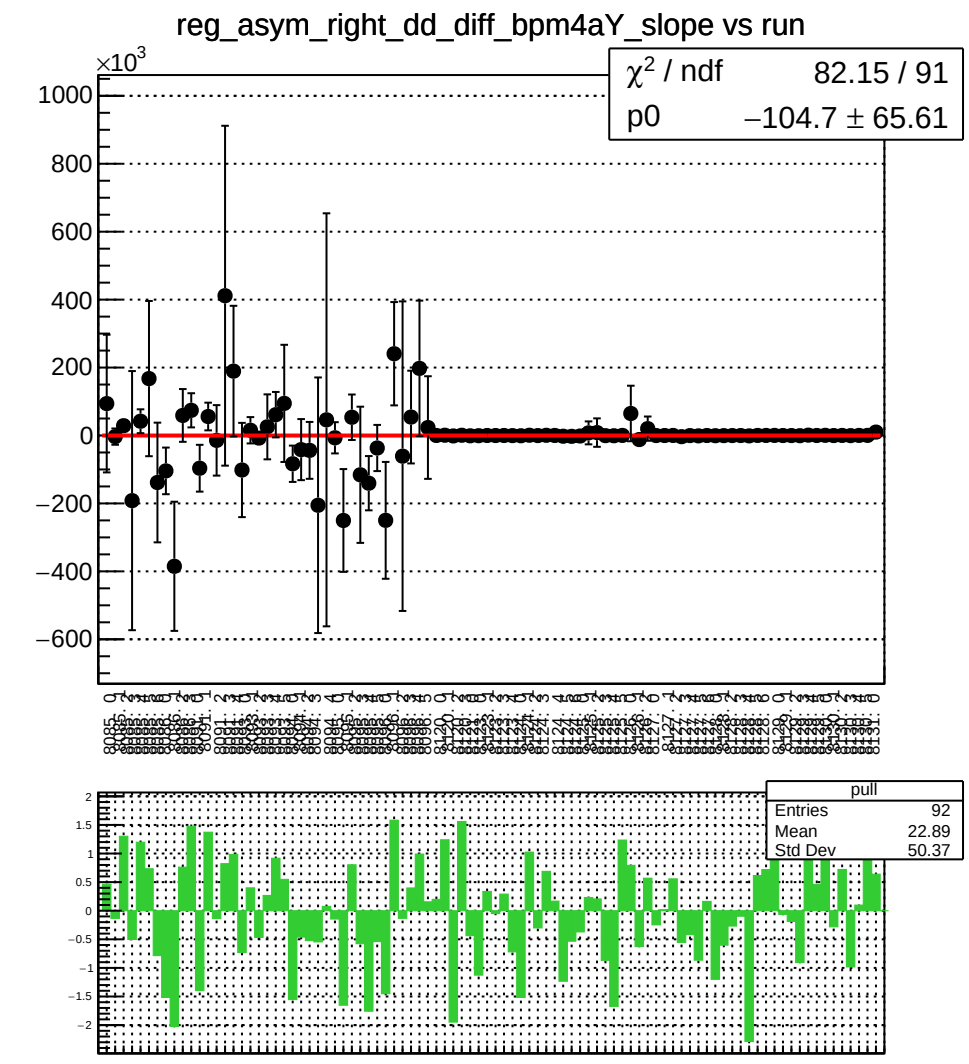

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 79.65 / 91
p0 −134.4 ± 70.02
pull
Entries 92
Mean 39.57
Std Dev 38.1

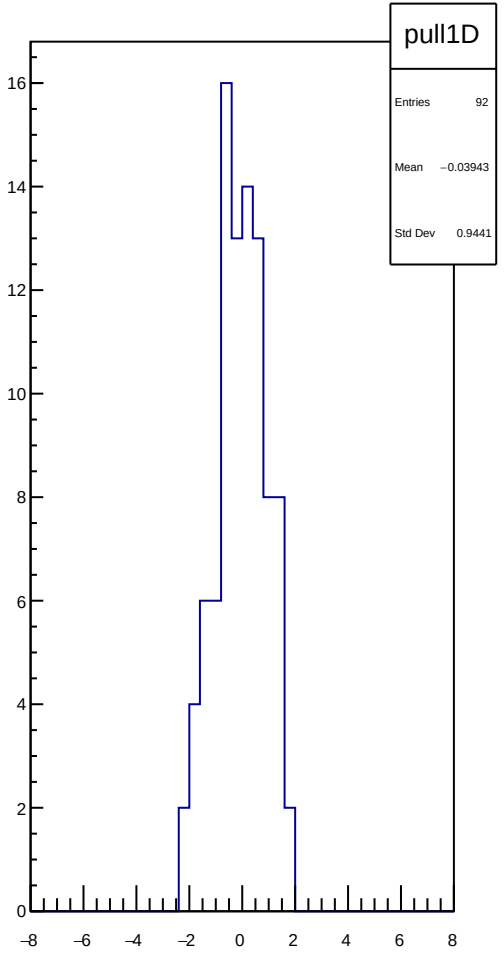

pull1D
Entries 92
Mean −0.04755
Std Dev 0.9293

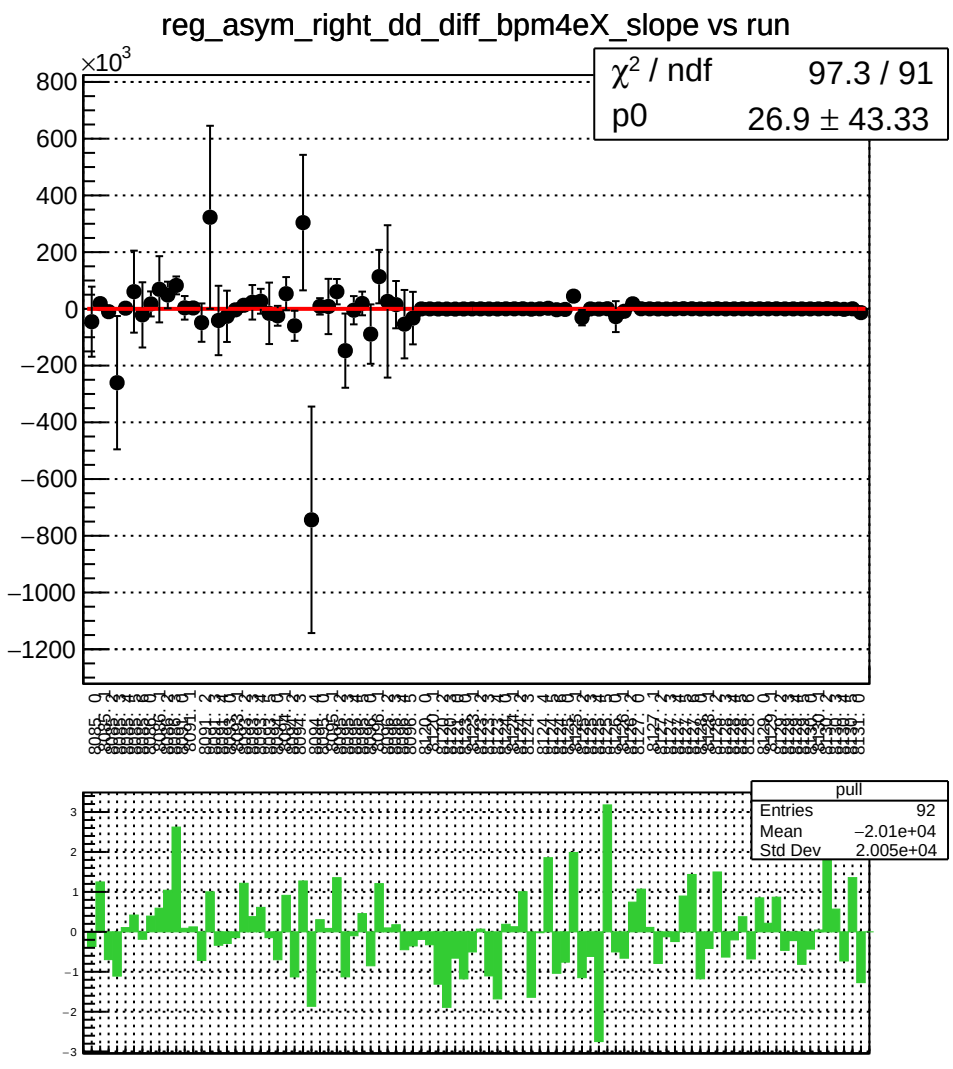

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 153.7 / 91
p0 −18.23 ± 2.642
pull
Entries 92
Mean 117.4
Std Dev 50.62

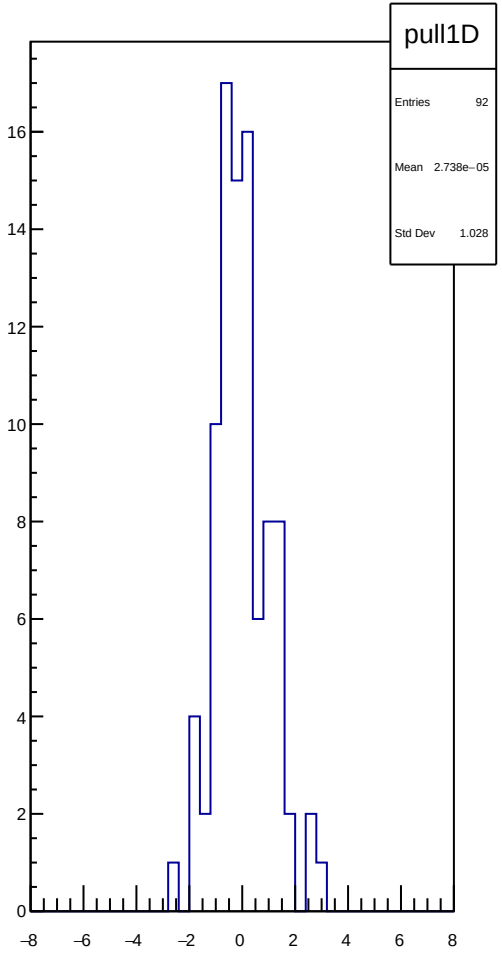

pull1D
Entries 92
Mean −0.05211
Std Dev 1.292

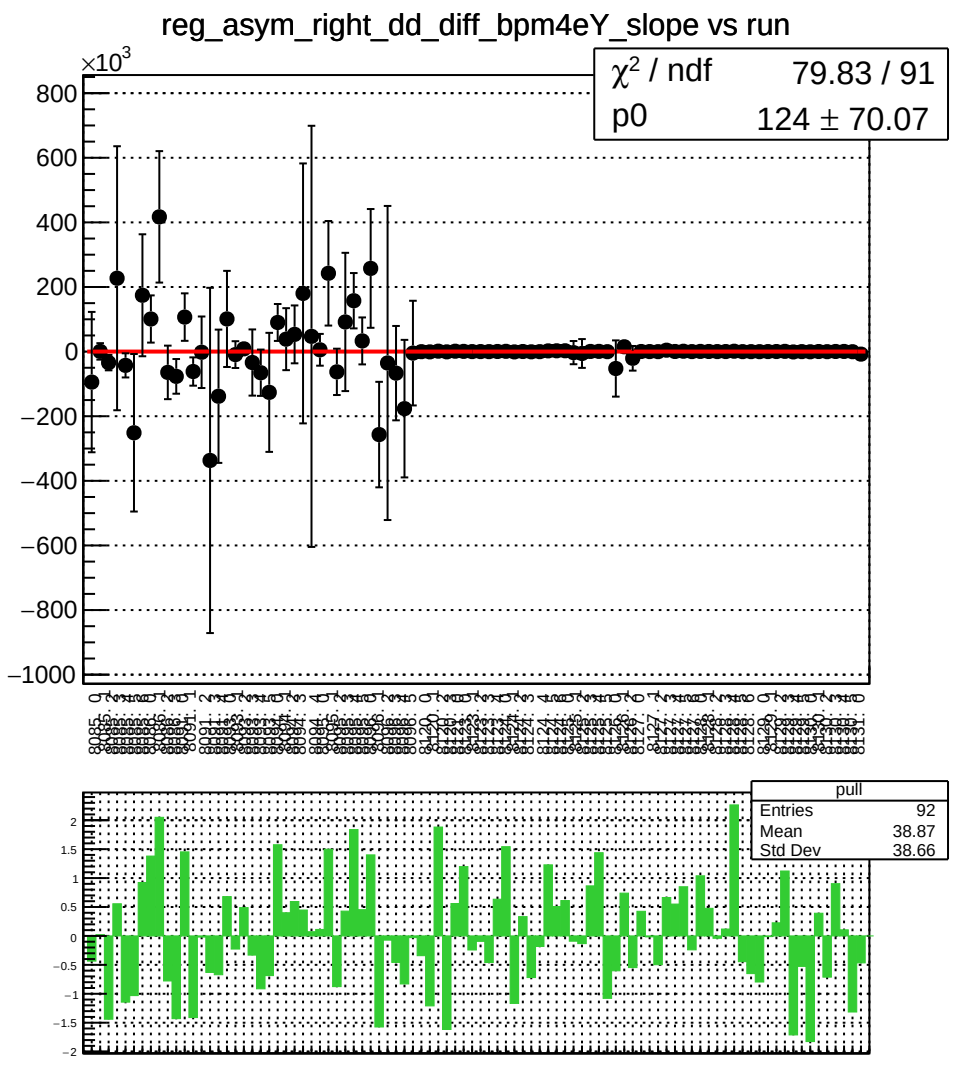

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 92.8 / 91
p0 0.8436 ± 45.85
pull
Entries 92
Mean 217.7
Std Dev 208.9
pull1D
Entries 92
Mean 0.006137
Std Dev 1.004

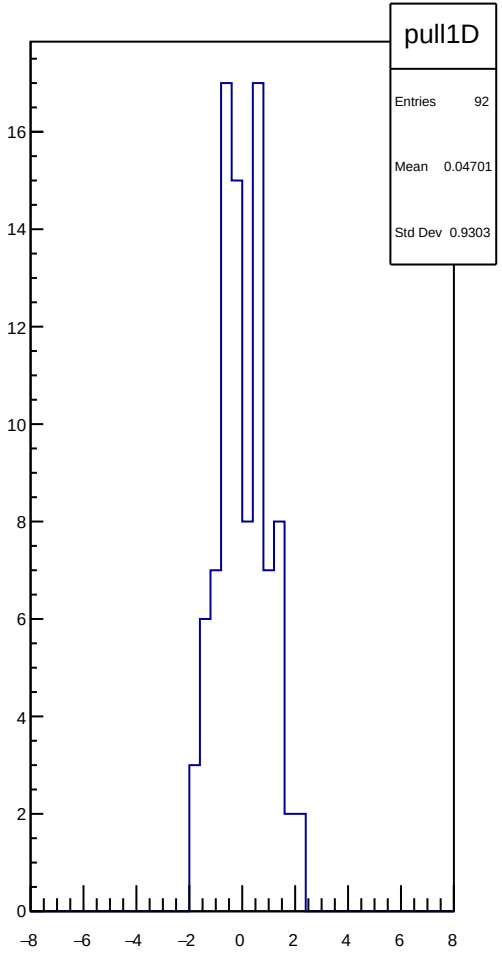

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.15 / 91
p0 −104.7 ± 65.61
×10³
pull
Entries 92
Mean 22.89
Std Dev 50.37

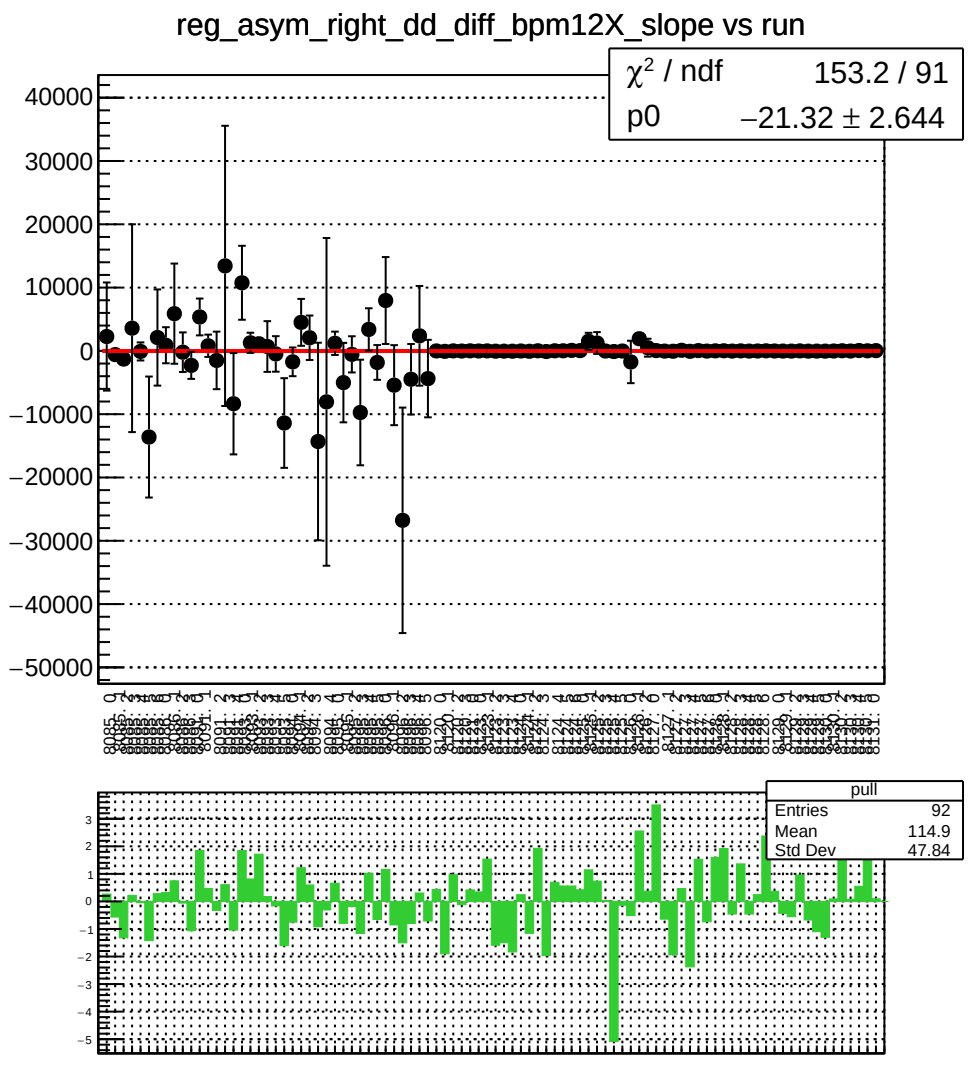

pull1D
Entries 92
Mean −0.03943
Std Dev 0.9441

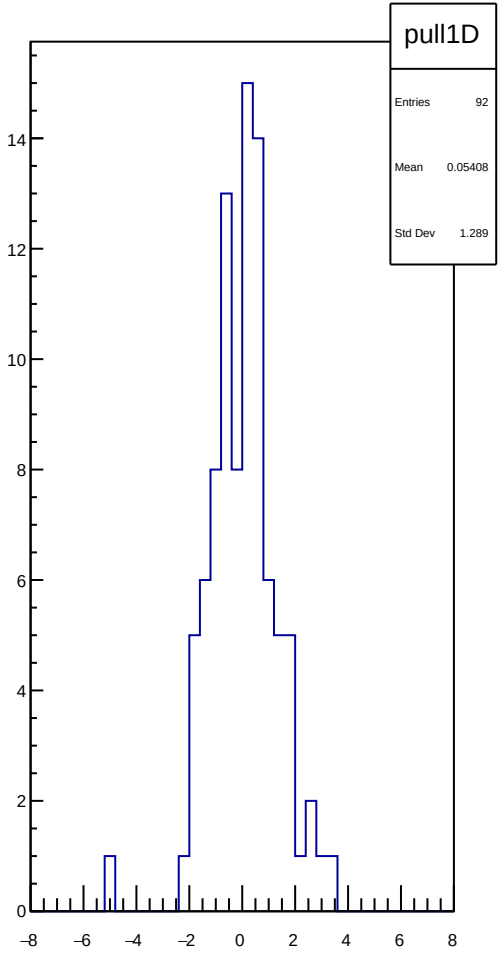

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 97.3 / 91
p0 26.9 ± 43.33
pull
Entries 92
Mean −2.01e+04
Std Dev 2.005e+04

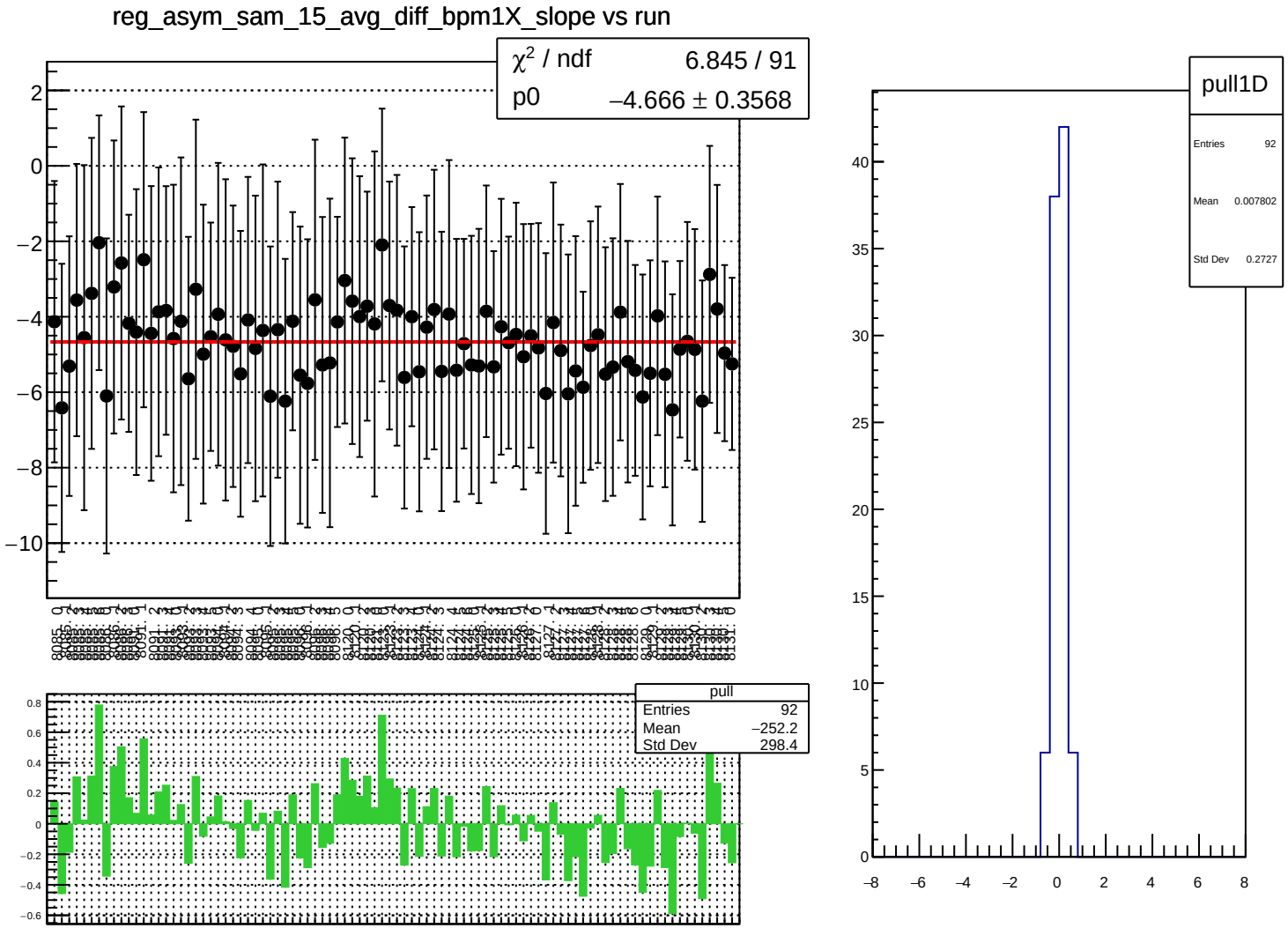

pull1D
Entries 92
Mean 2.738e−05
Std Dev 1.028

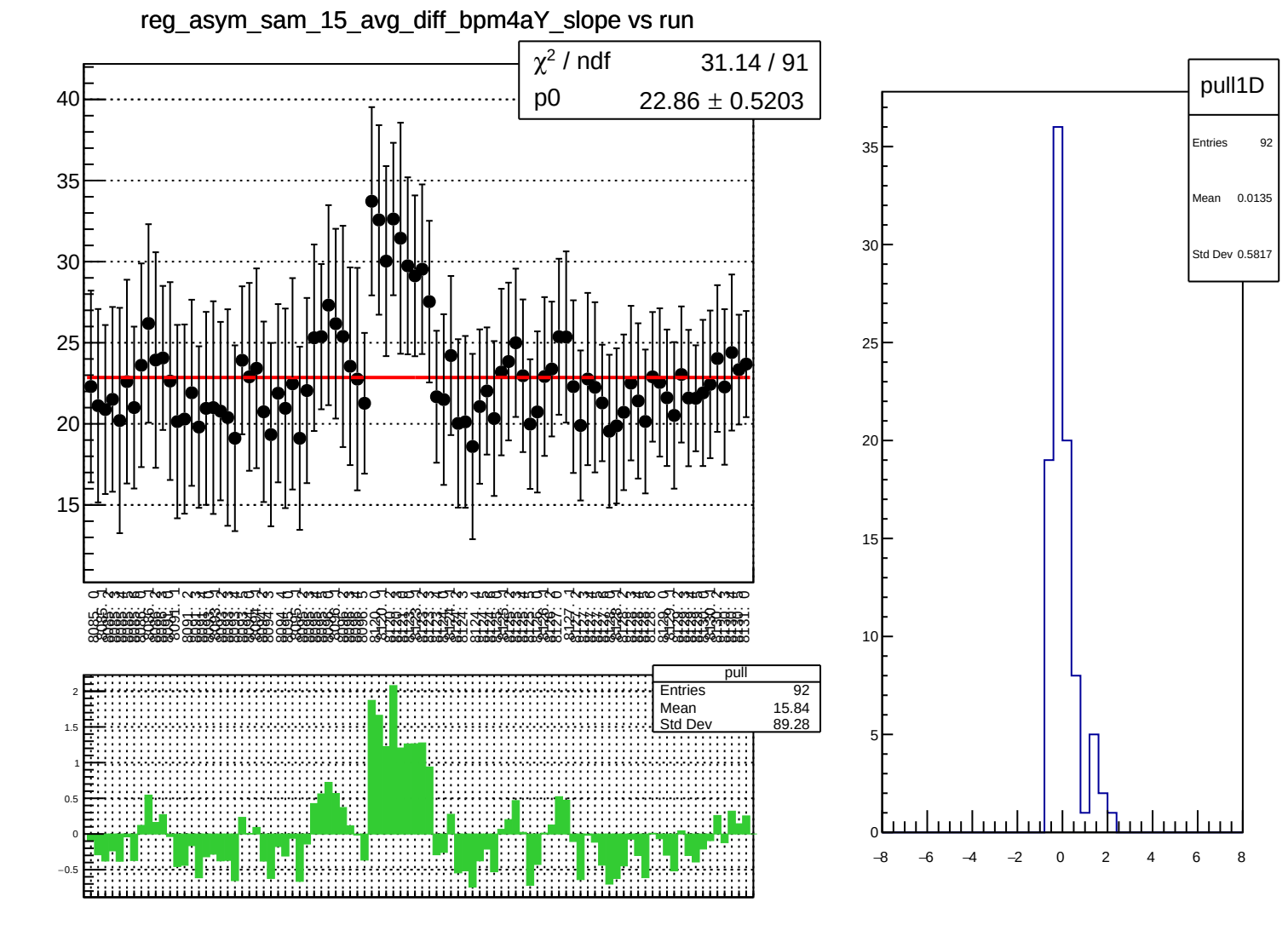

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.83 / 91
p0 124 ± 70.07
pull
Entries 92
Mean 38.87
Std Dev 38.66

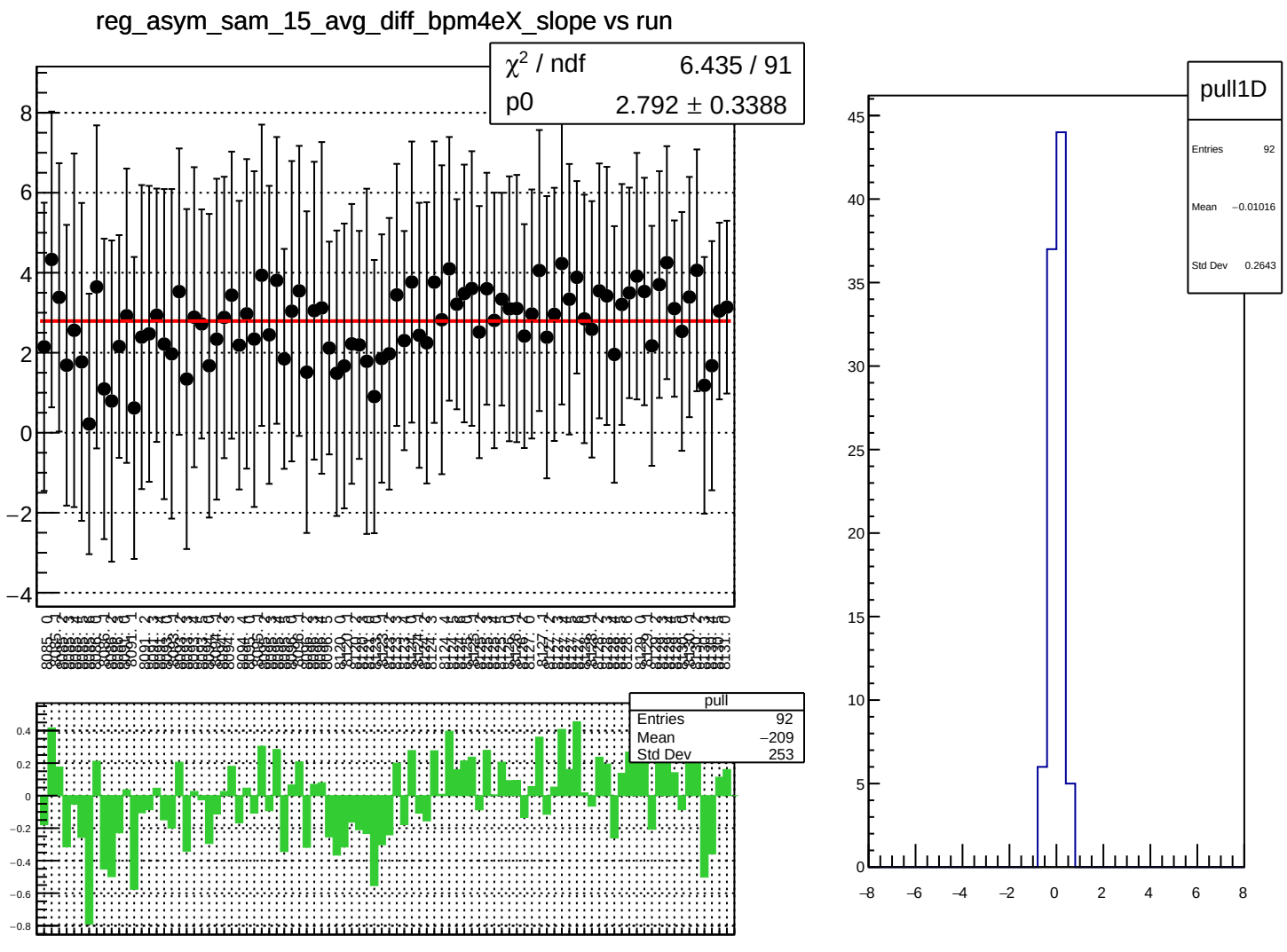

pull1D
Entries 92
Mean 0.04701
Std Dev 0.9303

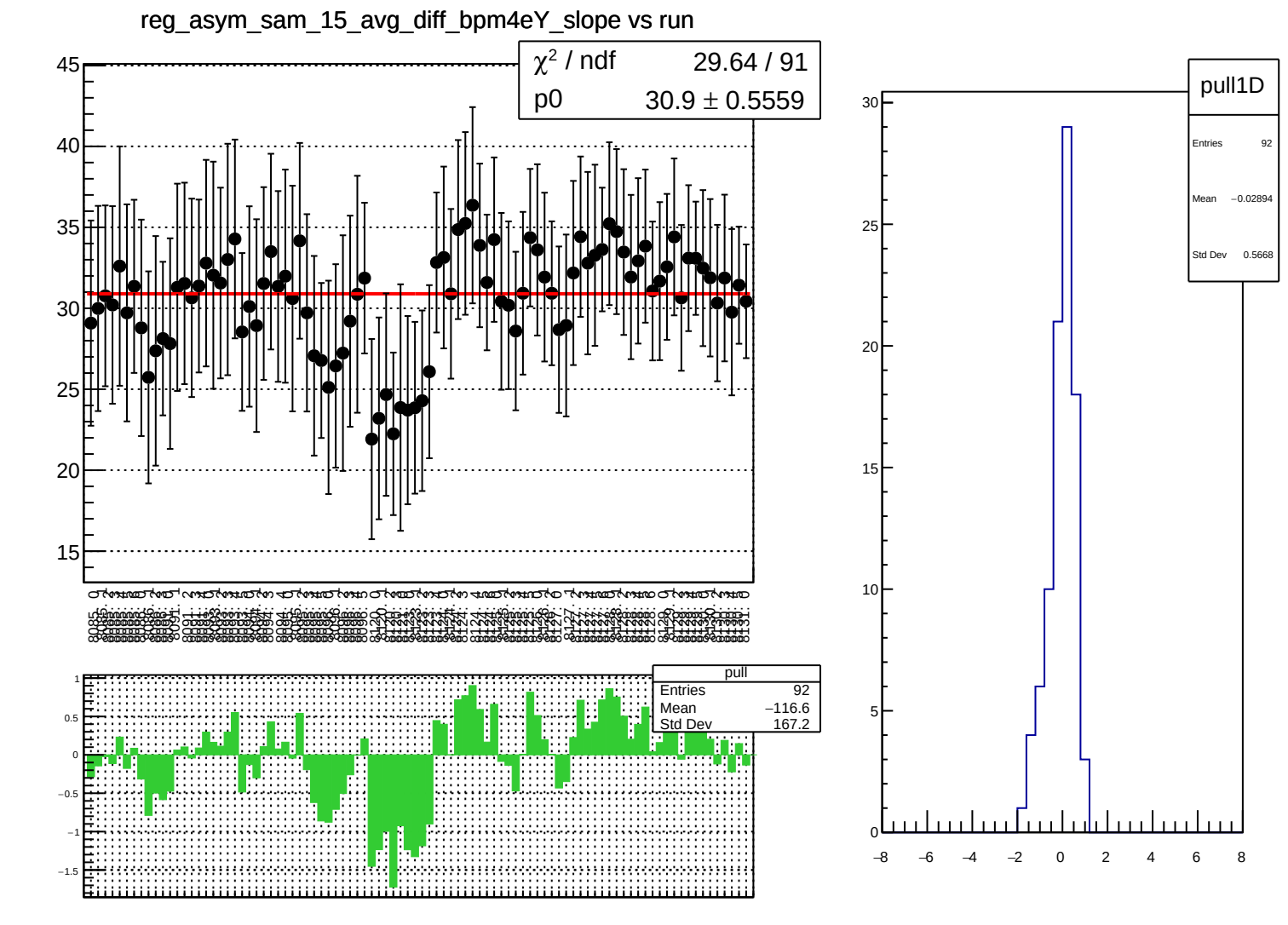

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 153.2 / 91
p0 −21.32 ± 2.644
pull
Entries 92
Mean 114.9
Std Dev 47.84

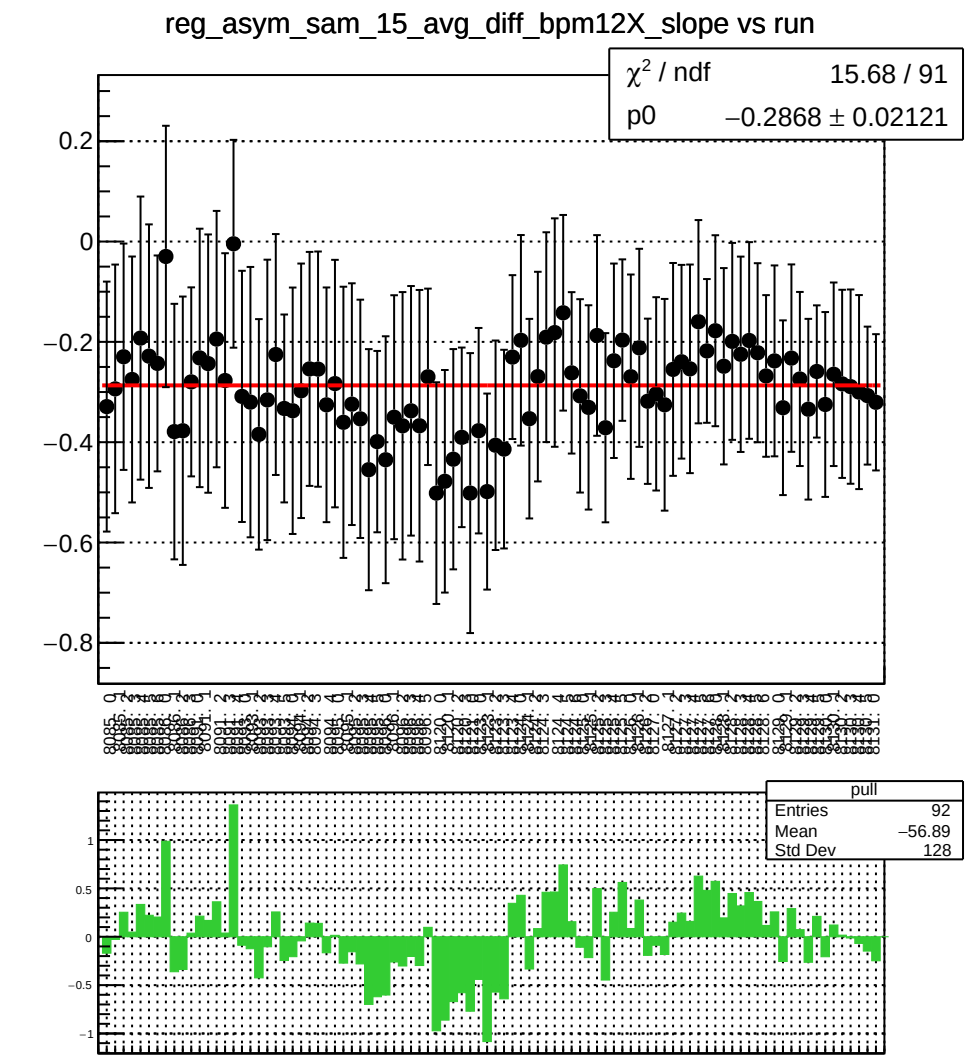

pull1D
Entries 92
Mean 0.05408
Std Dev 1.289

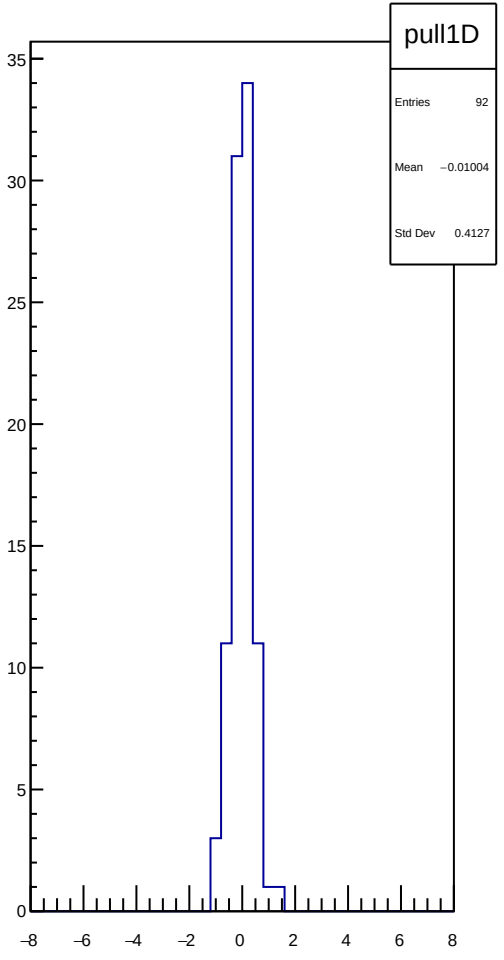

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 6.845 / 91
p0 −4.666 ± 0.3568
pull
Entries 92
Mean −252.2
Std Dev 298.4
pull1D
Entries 92
Mean 0.007802
Std Dev 0.2727

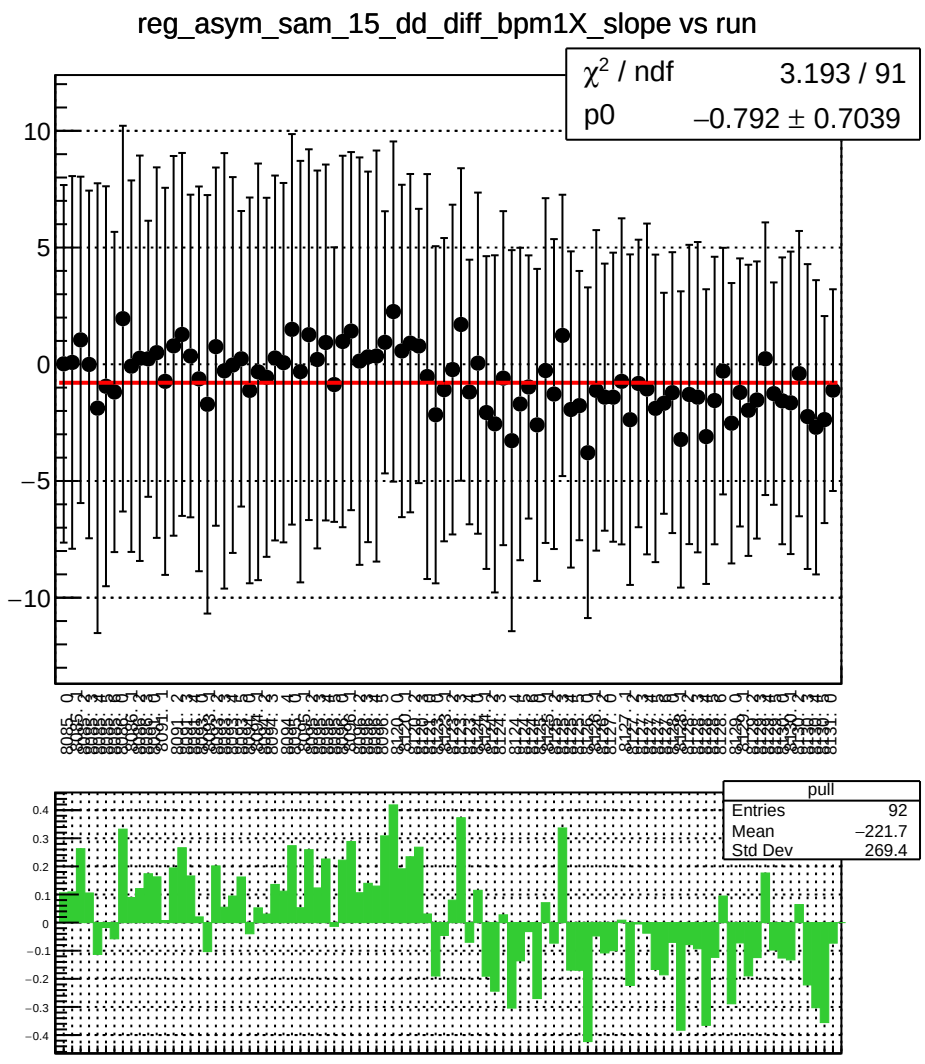

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.14 / 91
p0 22.86 ± 0.5203
pull
Entries 92
Mean 15.84
Std Dev 89.28
pull1D
Entries 92
Mean 0.0135
Std Dev 0.5817

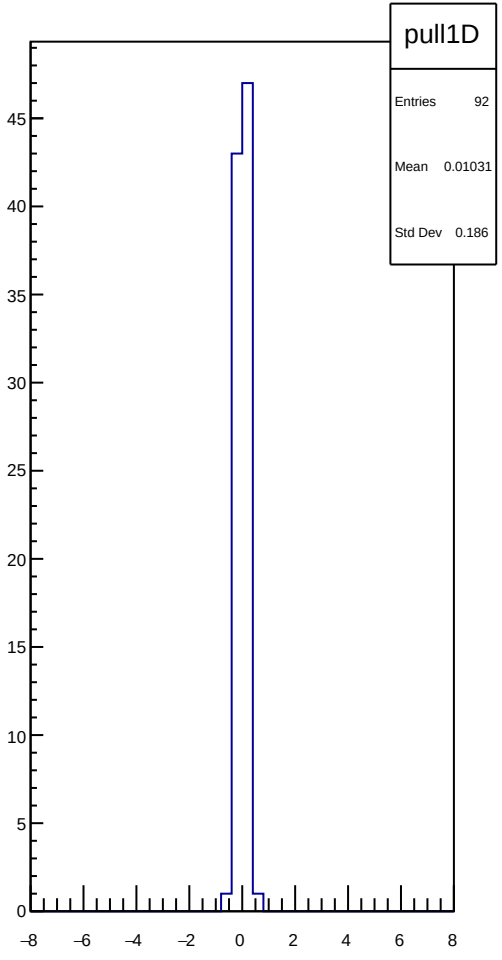

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.435 / 91
p0 2.792 ± 0.3388
pull
Entries 92
Mean −209
Std Dev 253
pull1D
Entries 92
Mean −0.01016
Std Dev 0.2643

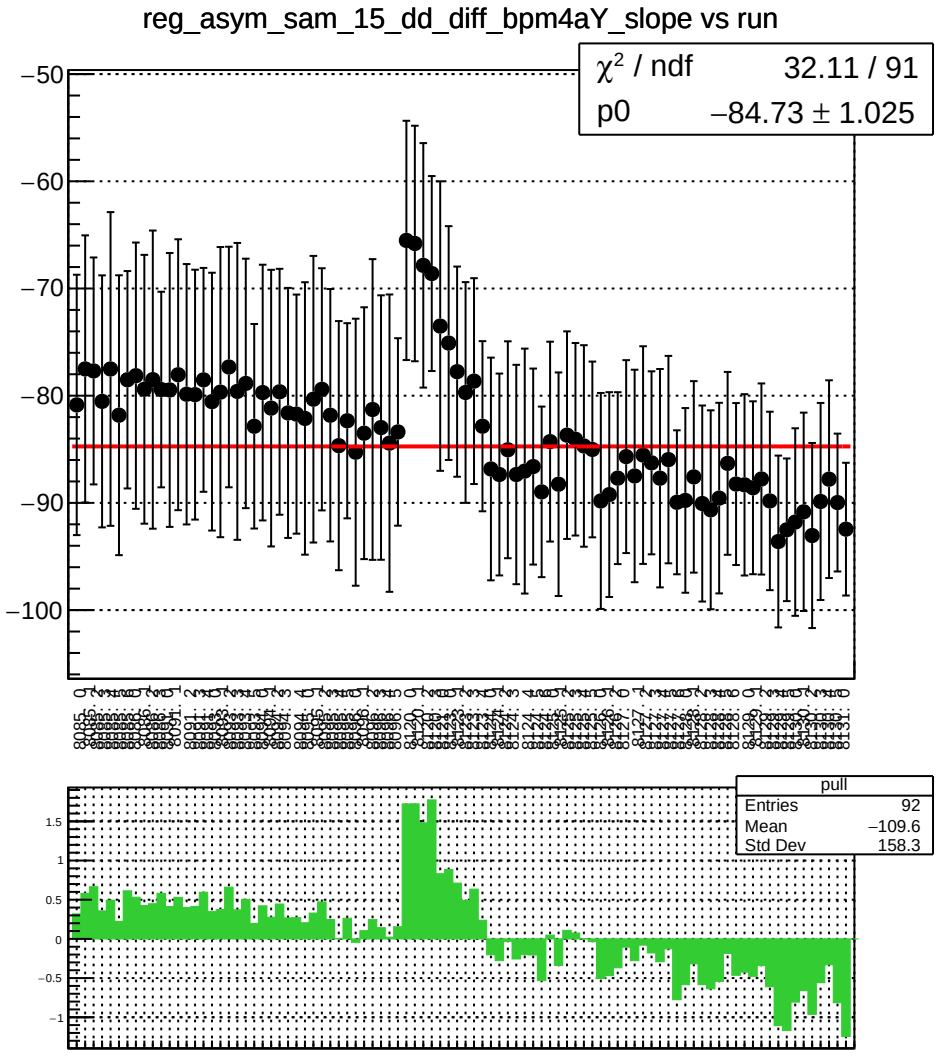

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.64 / 91
p0 30.9 ± 0.5559
pull
Entries 92
Mean −116.6
Std Dev 167.2
pull1D
Entries 92
Mean −0.02894
Std Dev 0.5668

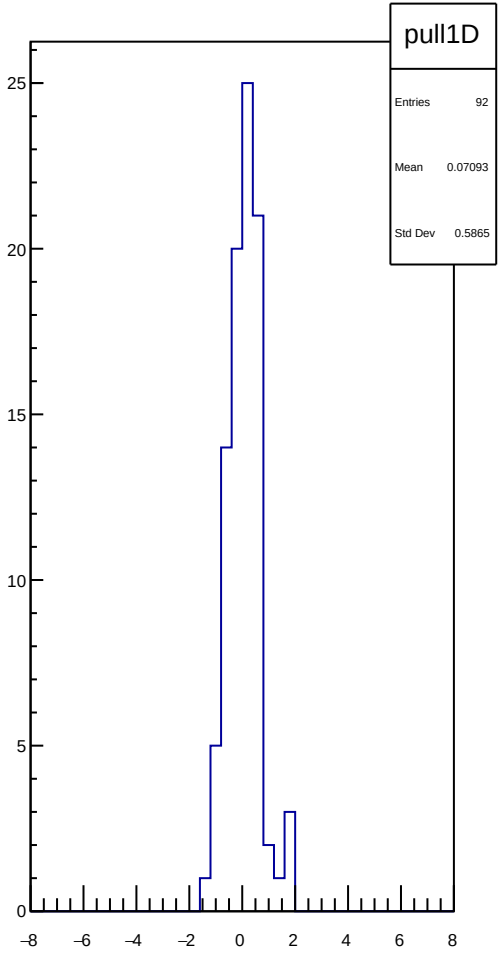

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 15.68 / 91
p0 −0.2868 ± 0.02121
pull
Entries 92
Mean −56.89
Std Dev 128

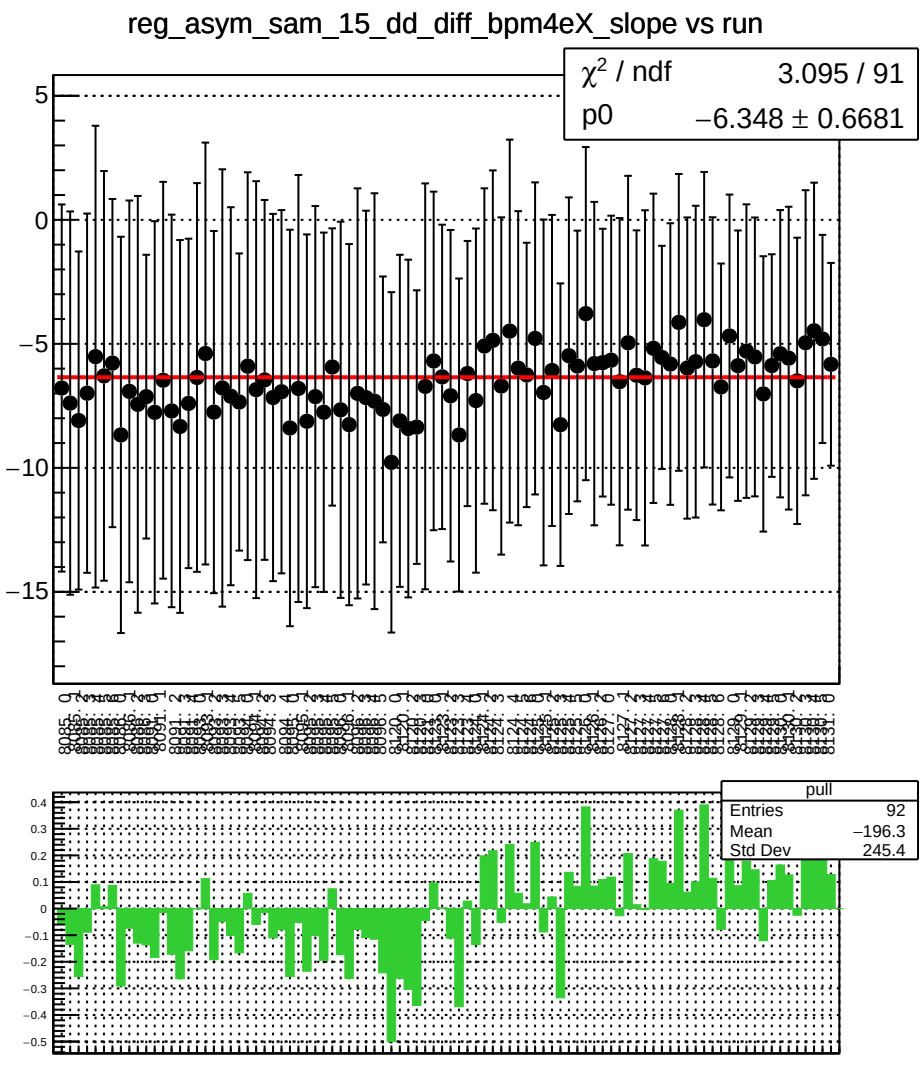

pull1D
Entries 92
Mean −0.01004
Std Dev 0.4127

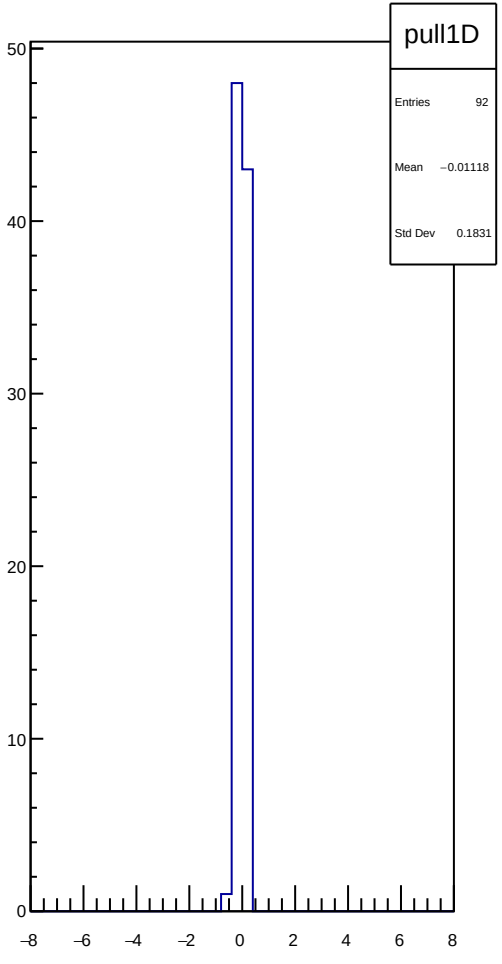

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.193 / 91
p0 −0.792 ± 0.7039
pull
Entries 92
Mean −221.7
Std Dev 269.4

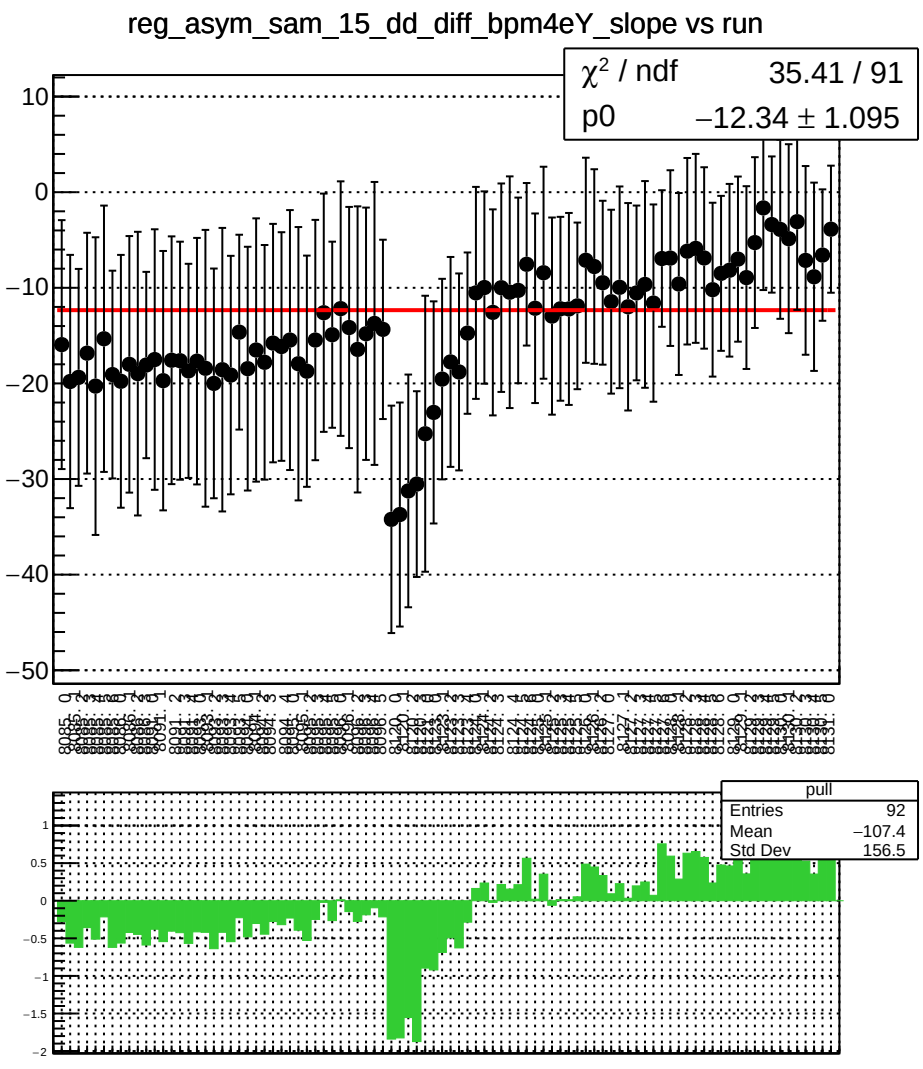

pull1D
Entries 92
Mean 0.01031
Std Dev 0.186

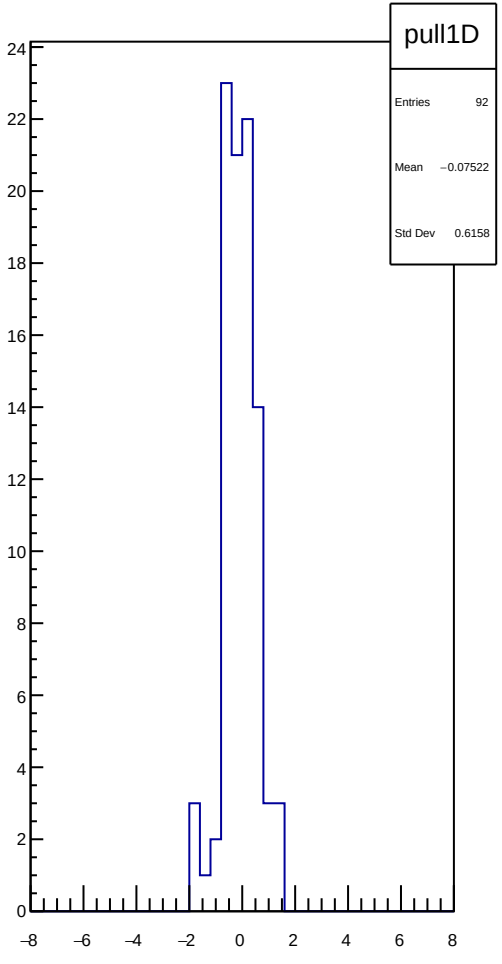

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.11 / 91
p0 −84.73 ± 1.025
pull
Entries 92
Mean −109.6
Std Dev 158.3

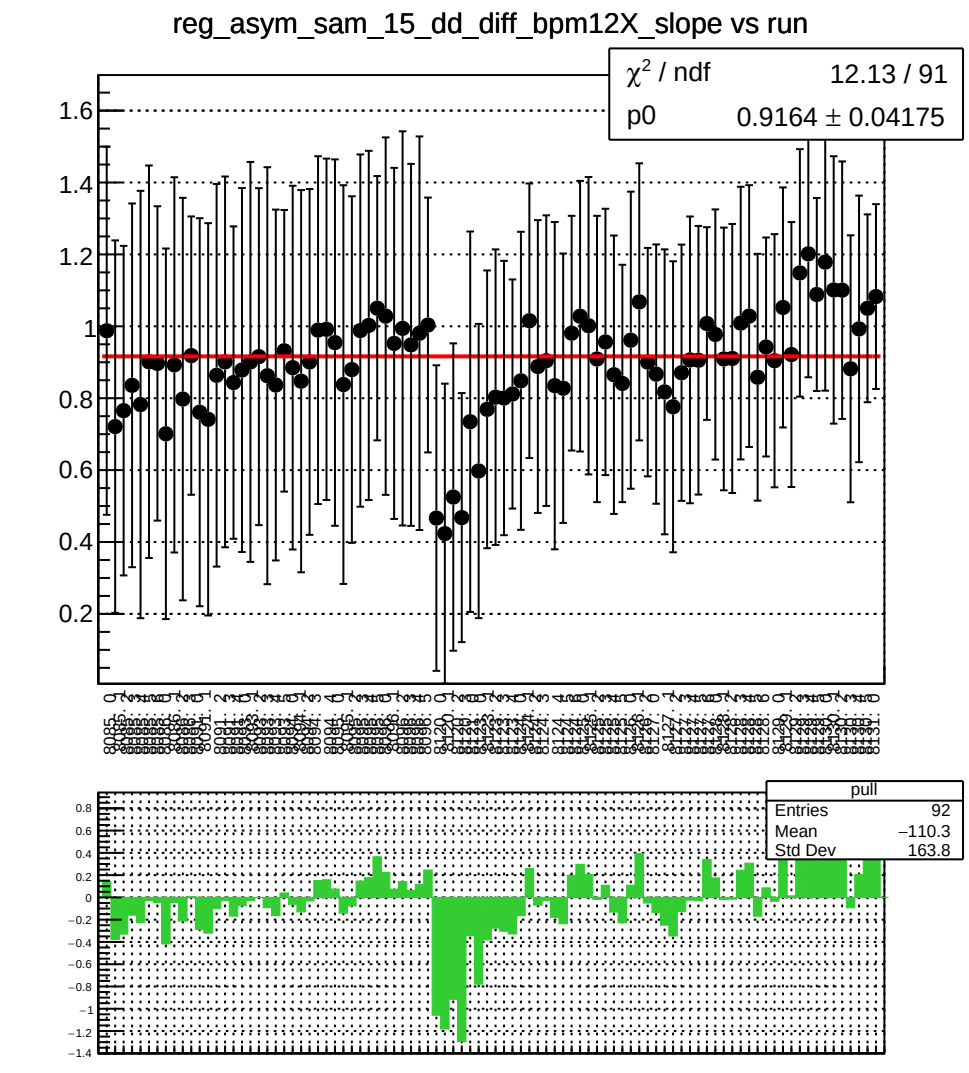

pull1D
Entries 92
Mean 0.07093
Std Dev 0.5865

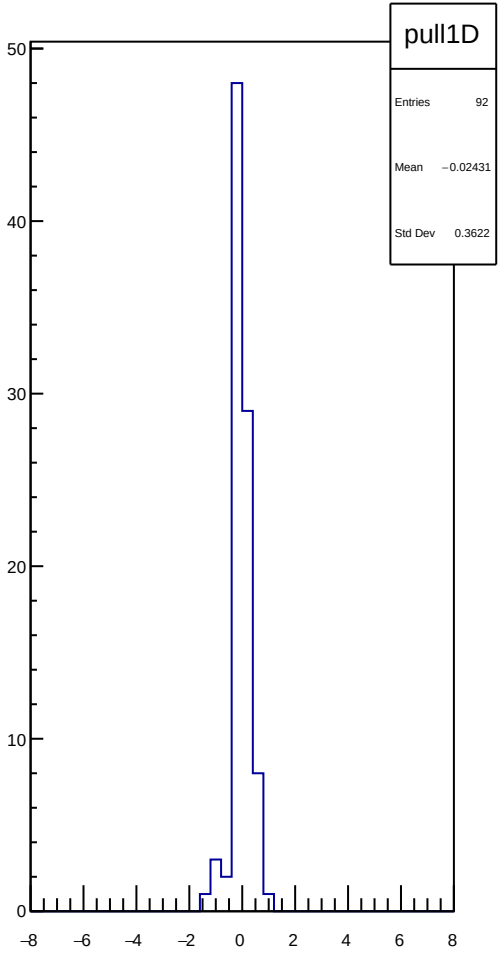

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.095 / 91
p0 −6.348 ± 0.6681
pull
Entries 92
Mean −196.3
Std Dev 245.4

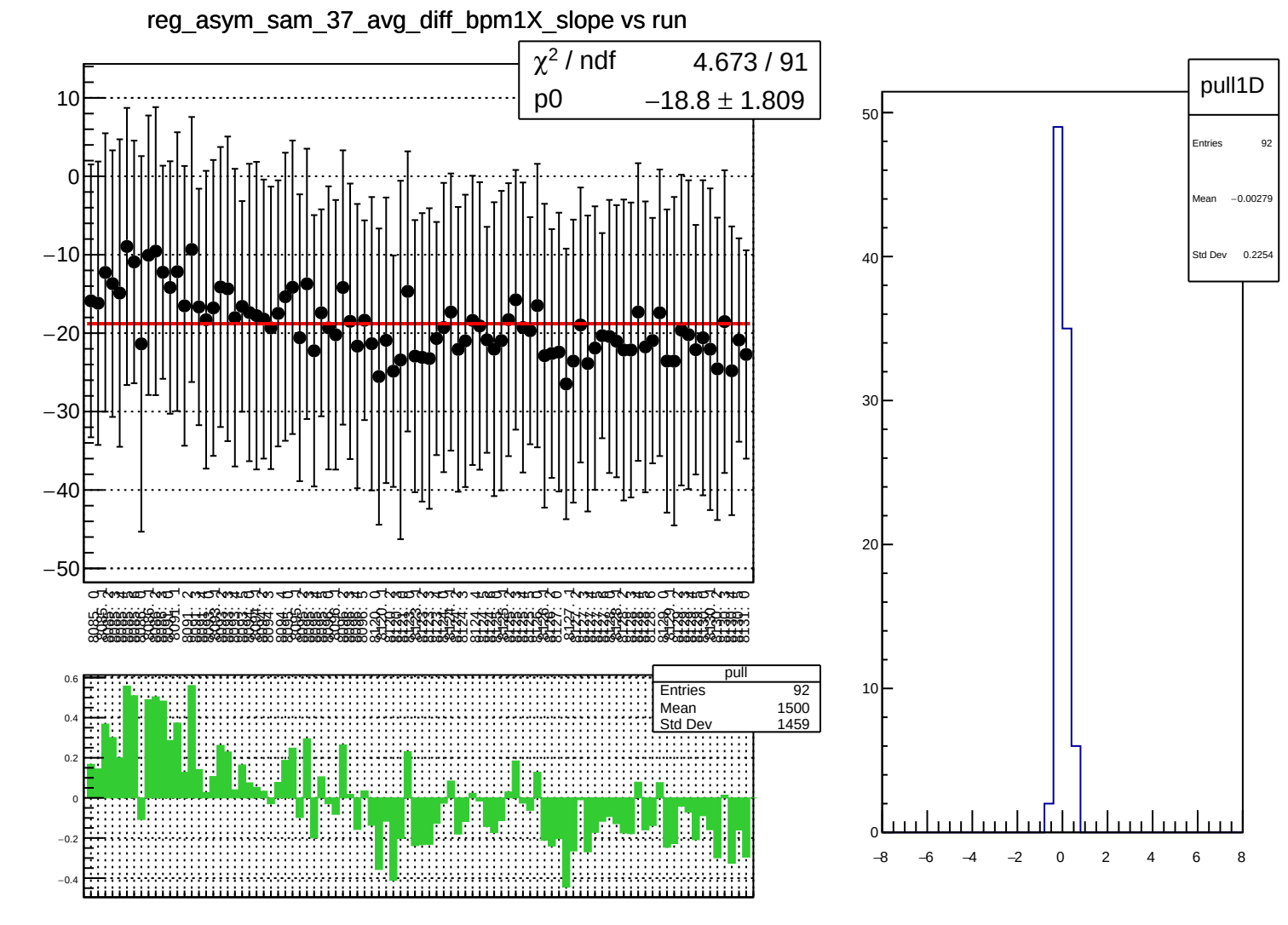

pull1D
Entries 92
Mean −0.01118
Std Dev 0.1831

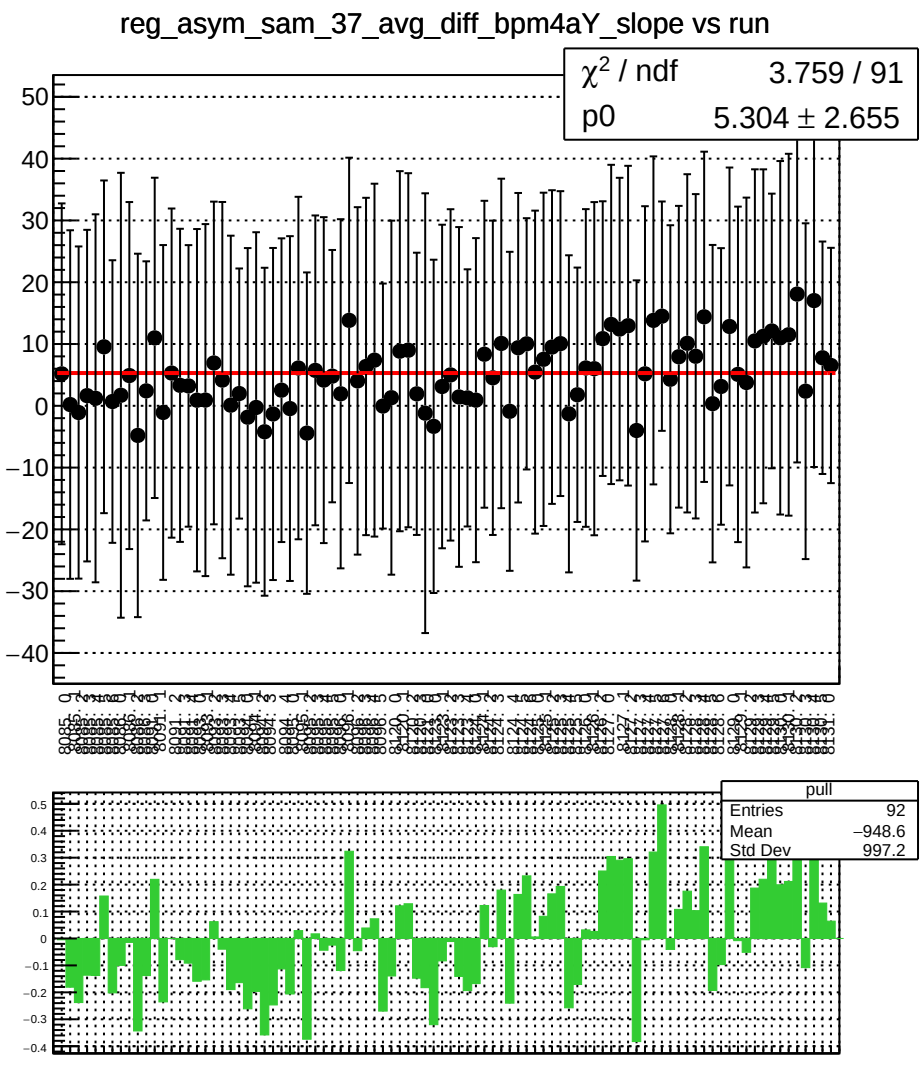

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.41 / 91
p0 −12.34 ± 1.095
pull
Entries 92
Mean −107.4
Std Dev 156.5

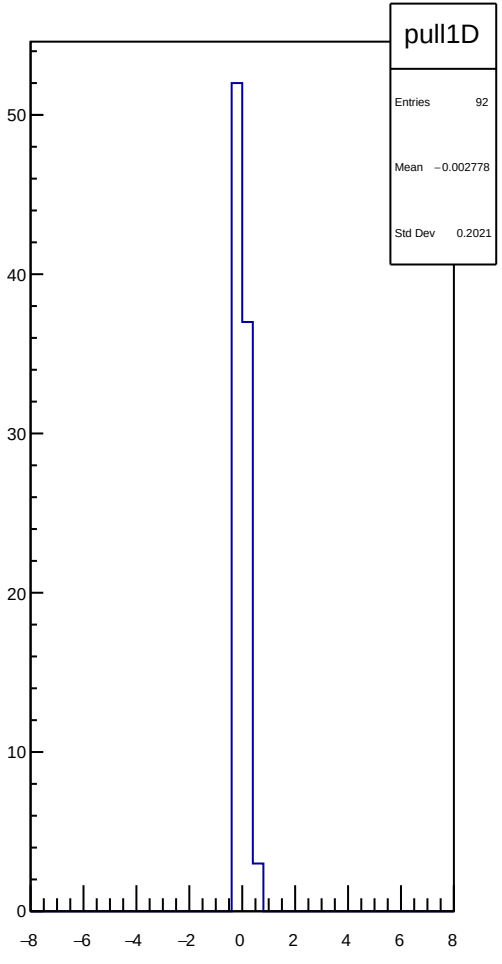

pull1D
Entries 92
Mean −0.07522
Std Dev 0.6158

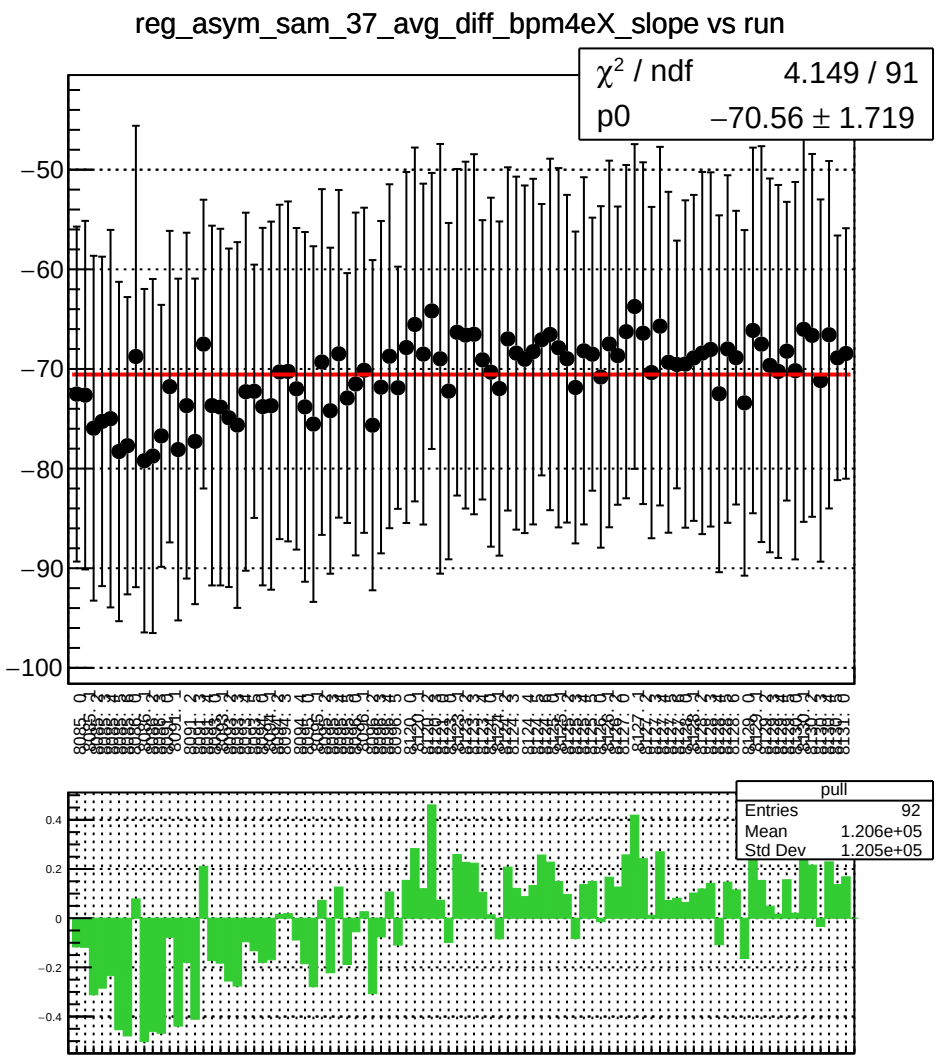

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 12.13 / 91
p0 0.9164 ± 0.04175
pull
Entries 92
Mean −110.3
Std Dev 163.8

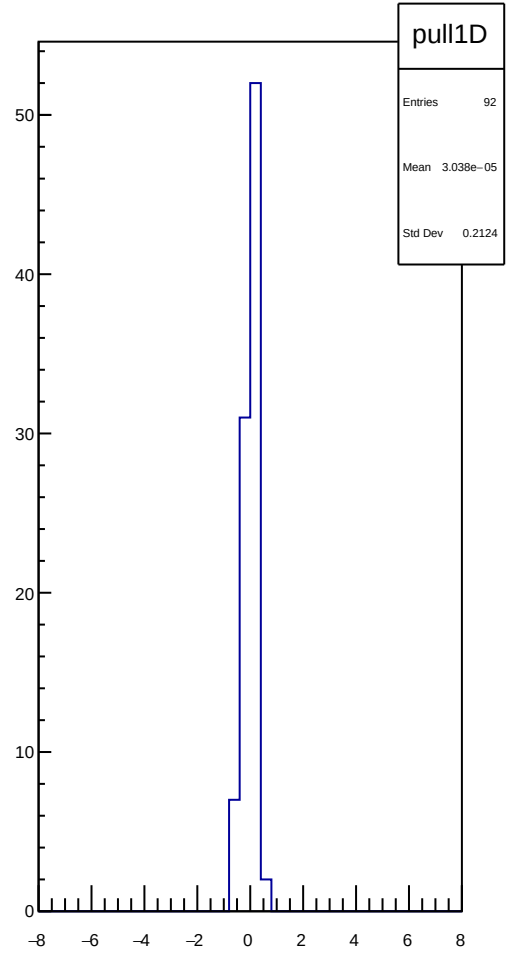

pull1D
Entries 92
Mean −0.02431
Std Dev 0.3622

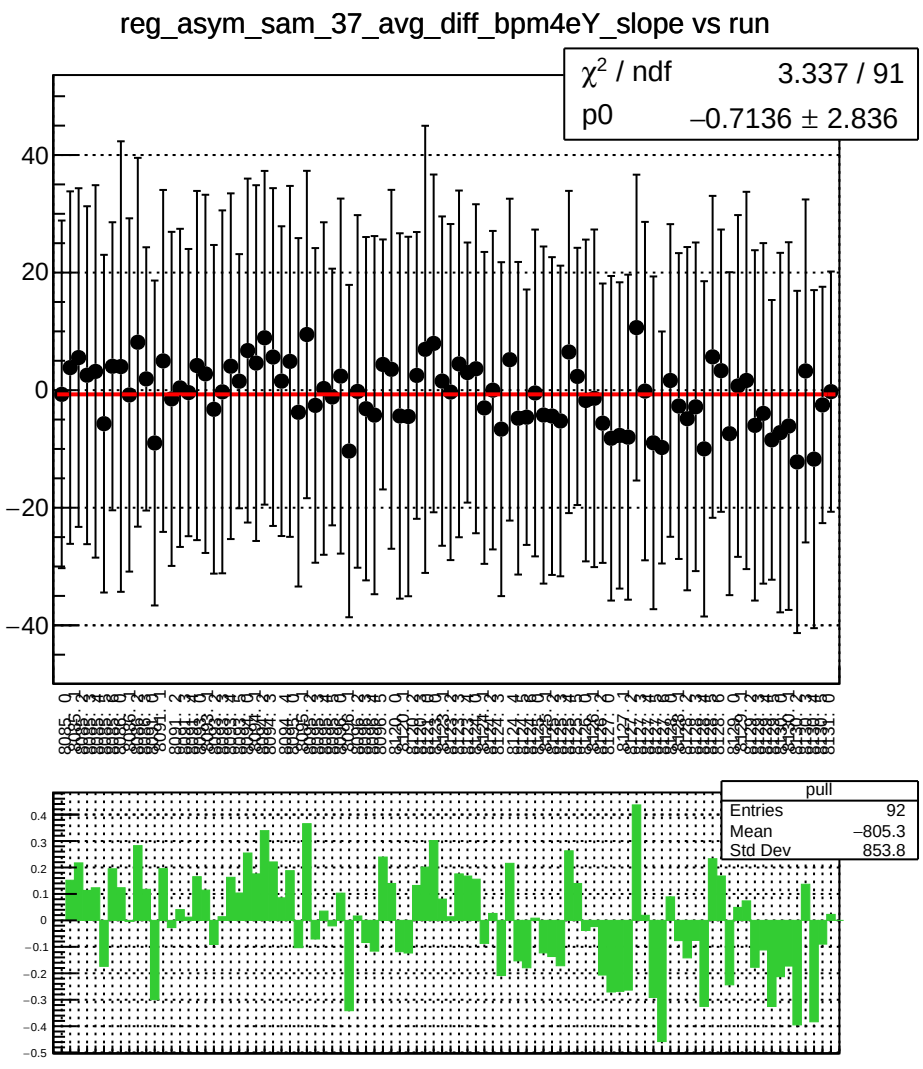

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 4.673 / 91
p0 −18.8 ± 1.809
pull
Entries 92
Mean 1500
Std Dev 1459
pull1D
Entries 92
Mean −0.00279
Std Dev 0.2254

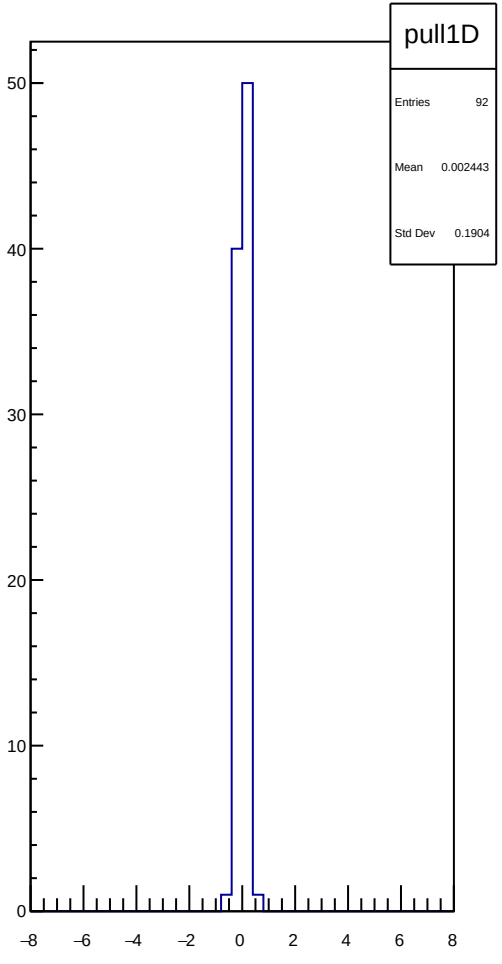

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.759 / 91
p0 5.304 ± 2.655
pull
Entries 92
Mean −948.6
Std Dev 997.2

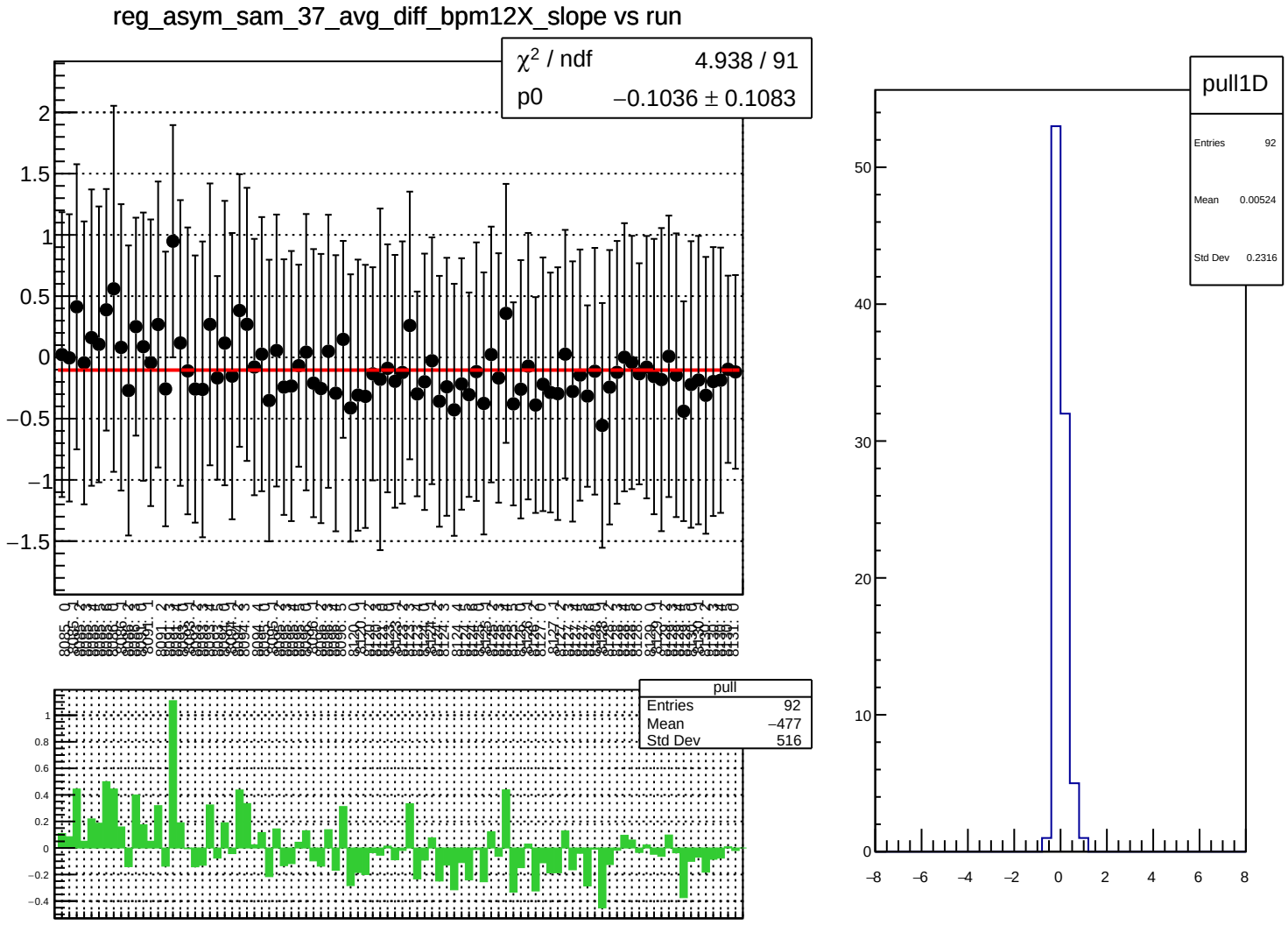

pull1D
Entries 92
Mean −0.002778
Std Dev 0.2021

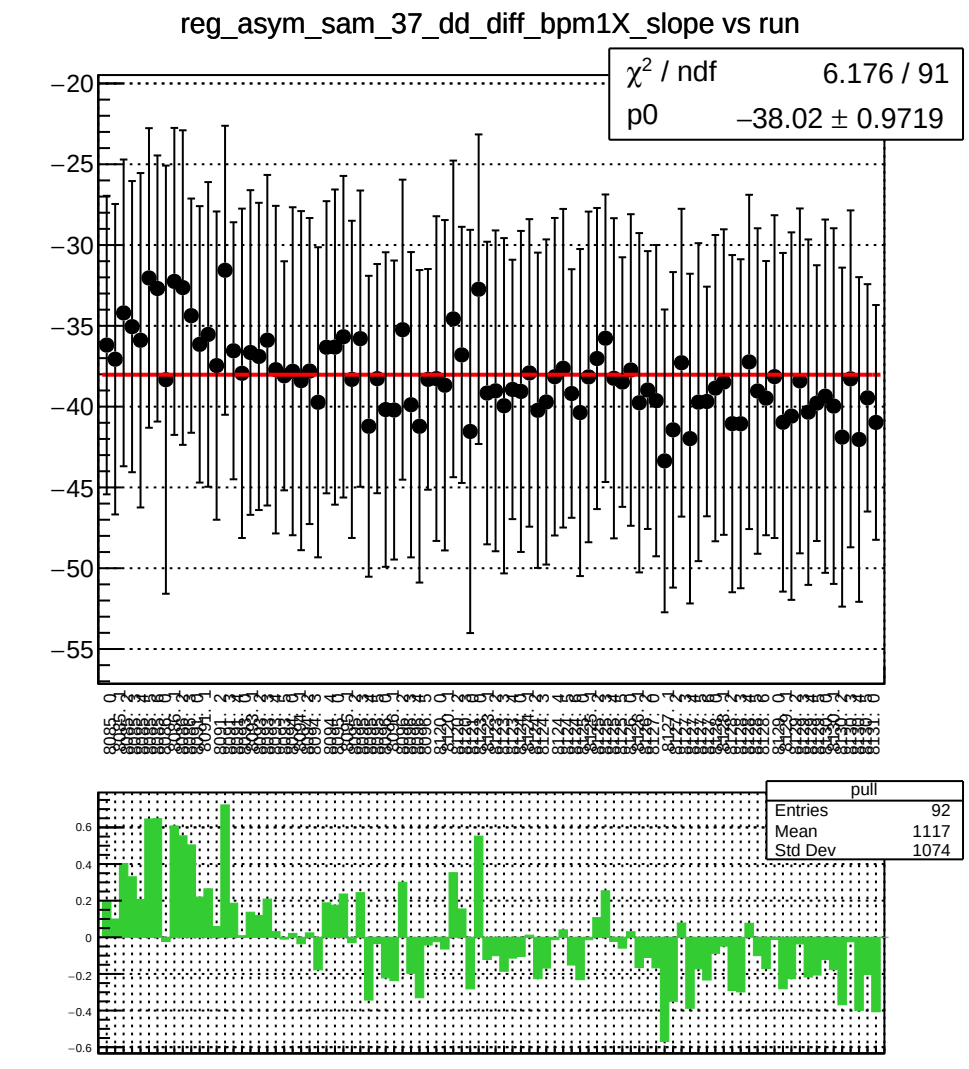

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.149 / 91
p0 −70.56 ± 1.719
pull
Entries 92
Mean 1.206e+05
Std Dev 1.205e+05

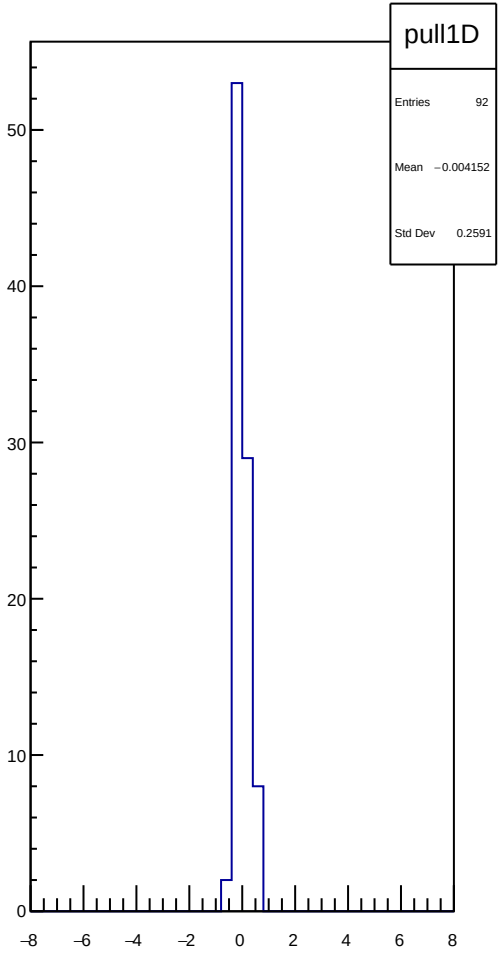

pull1D
Entries 92
Mean 3.038e−05
Std Dev 0.2124

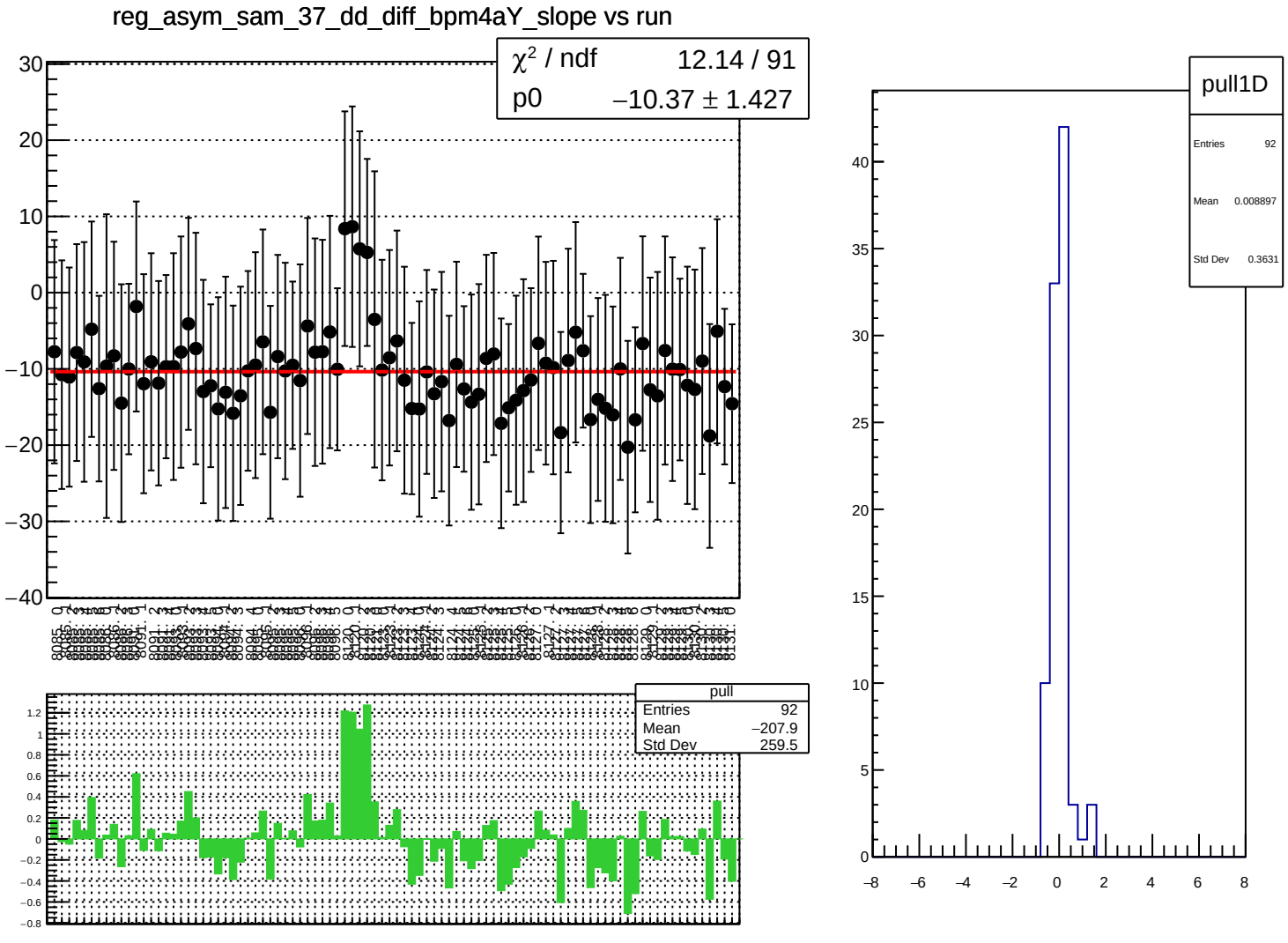

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.337 / 91
p0 −0.7136 ± 2.836
pull
Entries 92
Mean −805.3
Std Dev 853.8

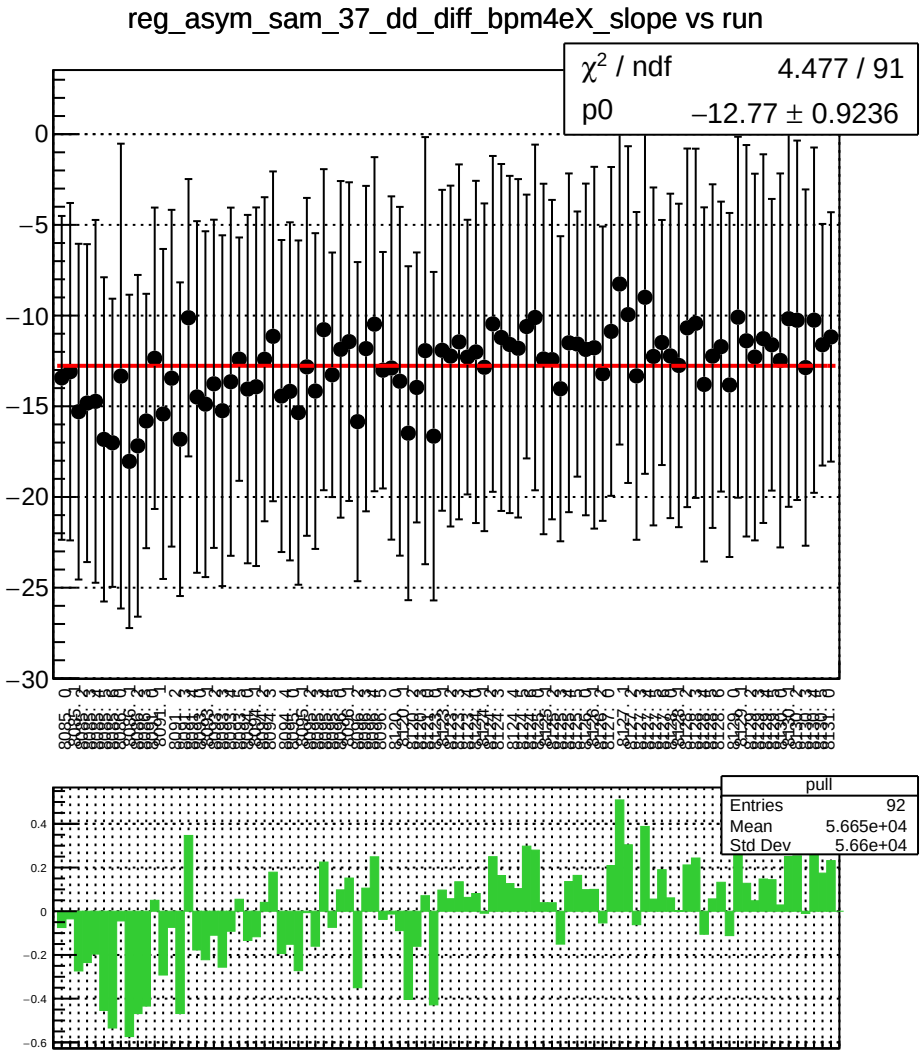

pull1D
Entries 92
Mean 0.002443
Std Dev 0.1904

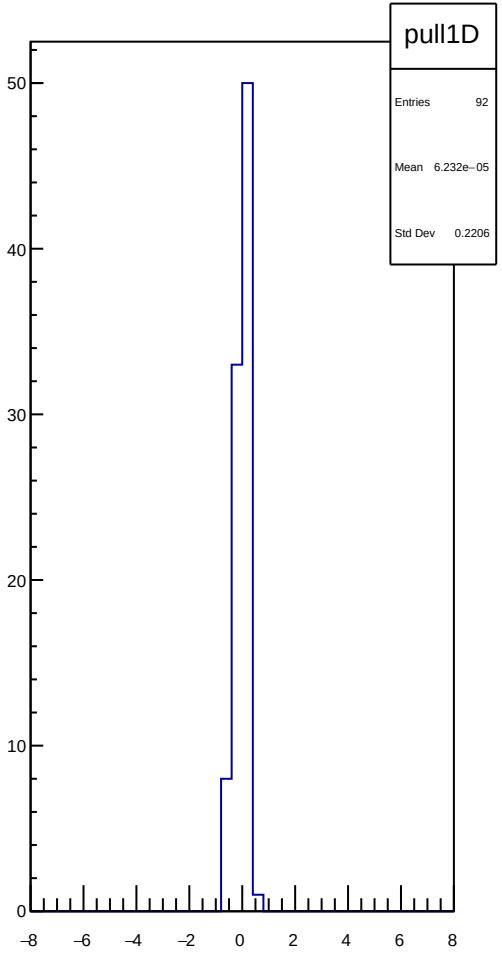

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 4.938 / 91
p0 −0.1036 ± 0.1083
pull
Entries 92
Mean −477
Std Dev 516
pull1D
Entries 92
Mean 0.00524
Std Dev 0.2316

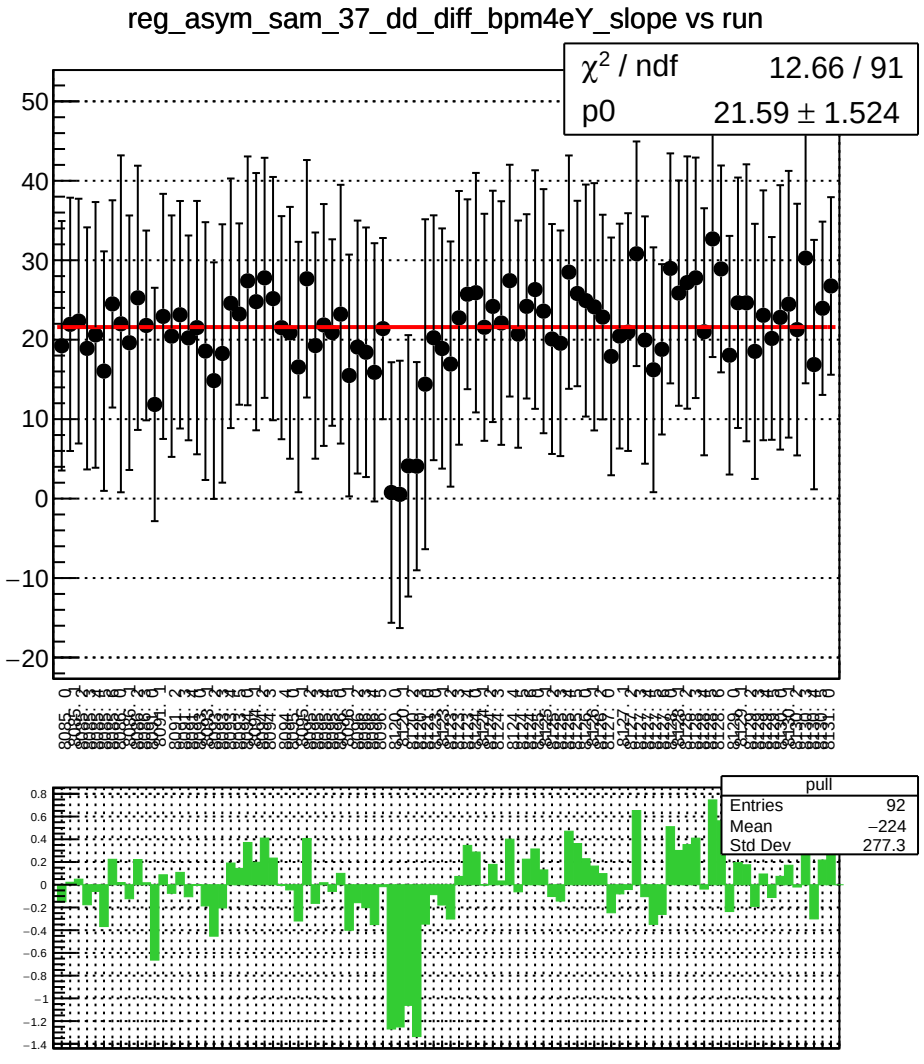

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 6.176 / 91
p0 −38.02 ± 0.9719
pull
Entries 92
Mean 1117
Std Dev 1074

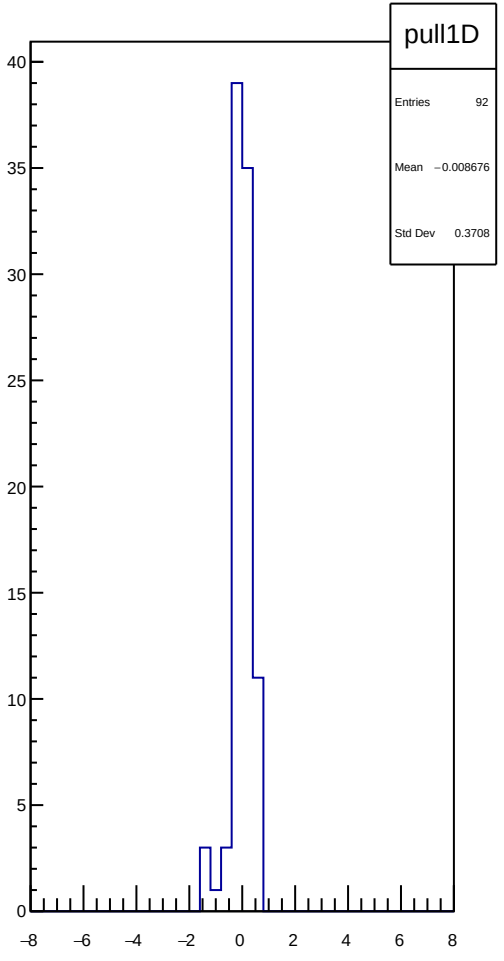

pull1D
Entries 92
Mean −0.004152
Std Dev 0.2591

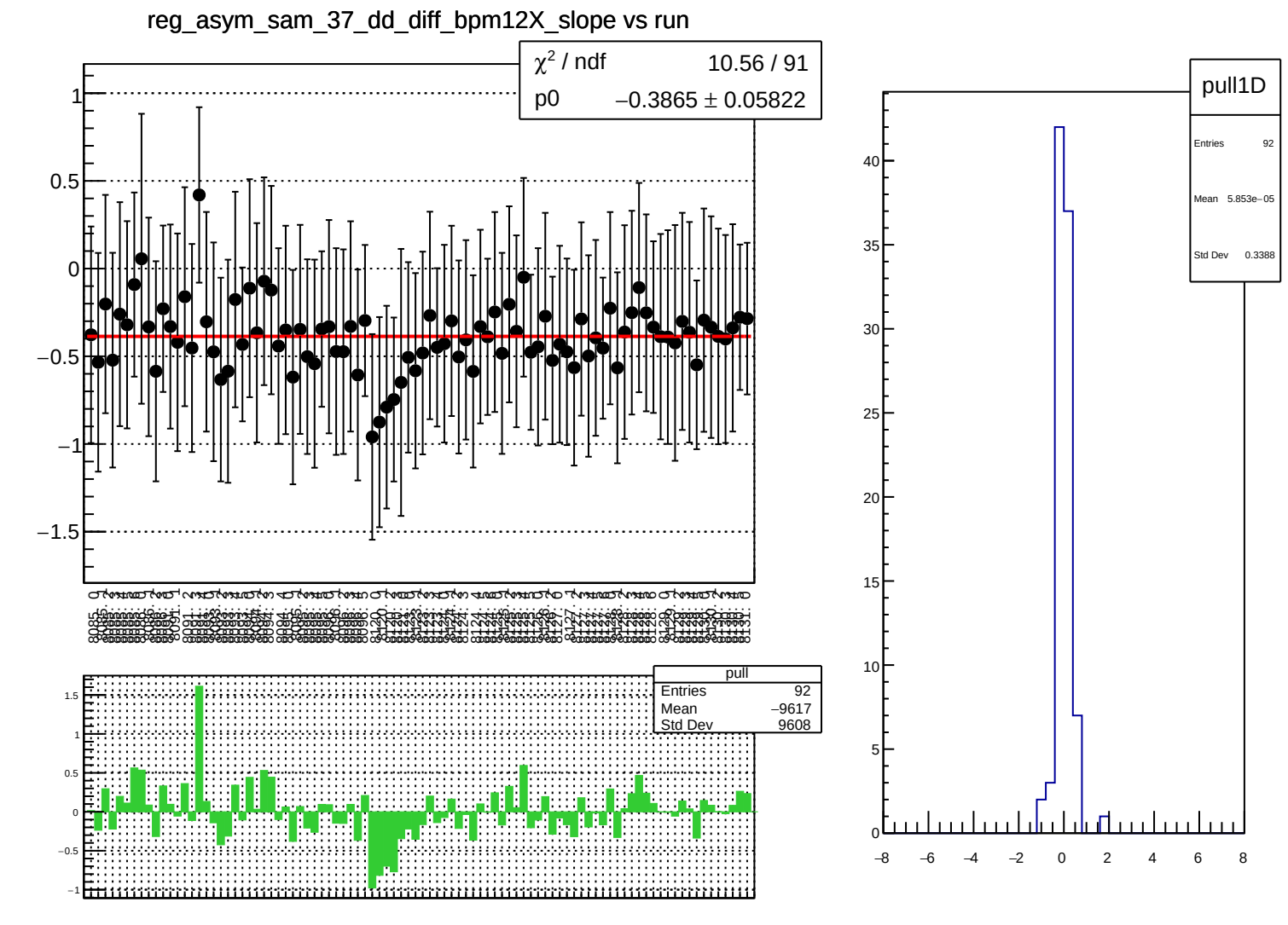

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.14 / 91
p0 −10.37 ± 1.427
pull
Entries 92
Mean −207.9
Std Dev 259.5
pull1D
Entries 92
Mean 0.008897
Std Dev 0.3631

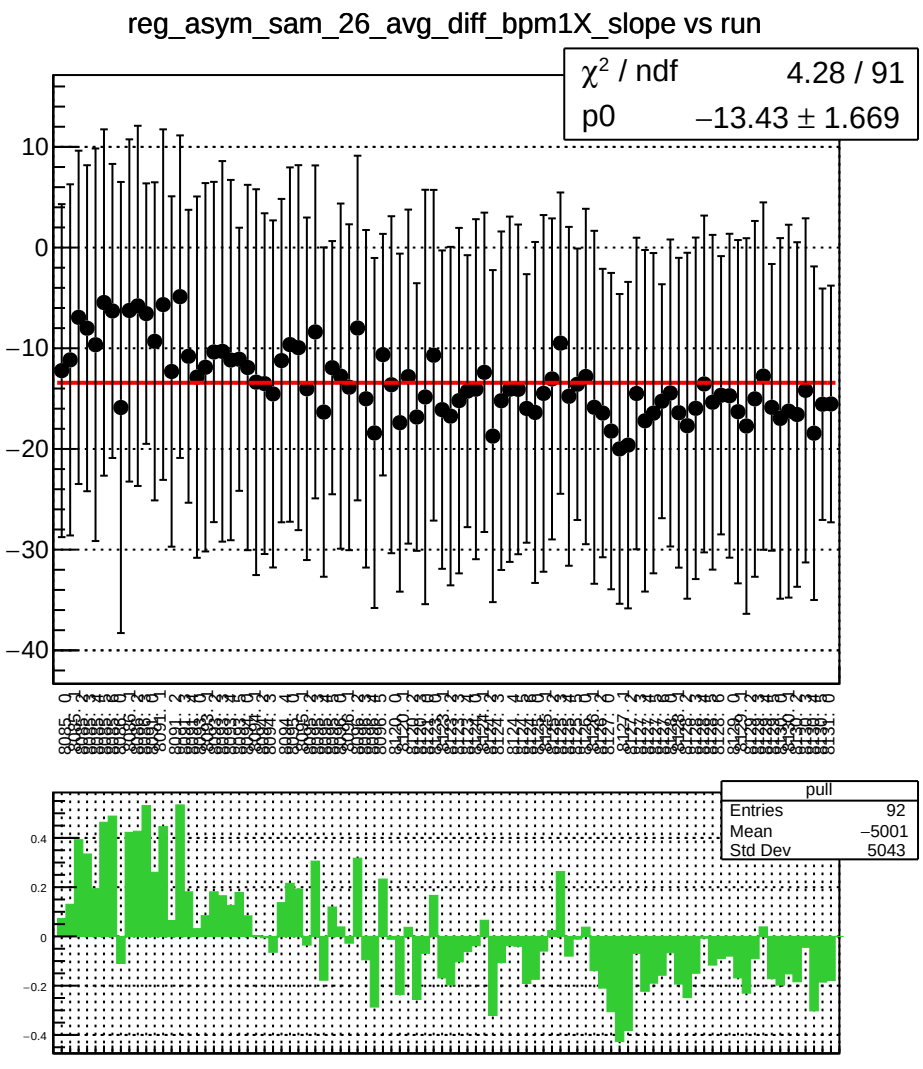

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.477 / 91
p0 −12.77 ± 0.9236
pull
Entries 92
Mean 5.665e+04
Std Dev 5.66e+04

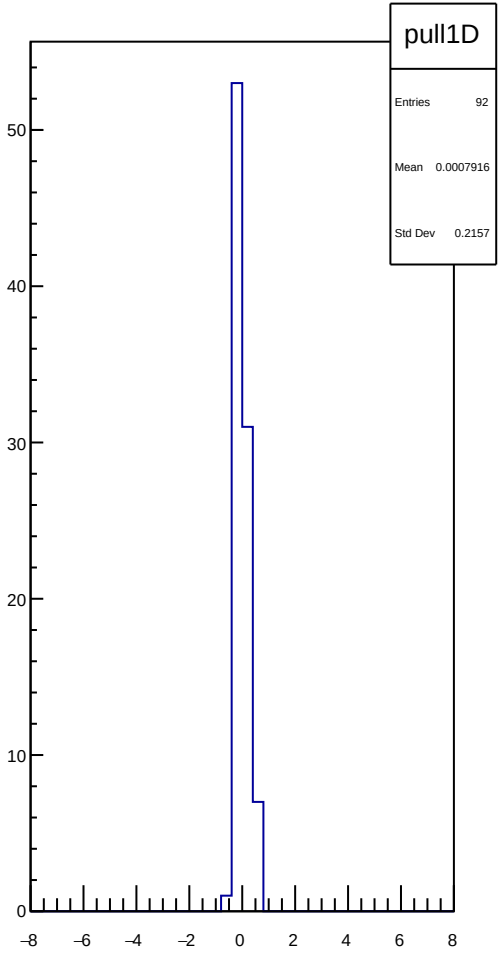

pull1D
Entries 92
Mean 6.232e−05
Std Dev 0.2206

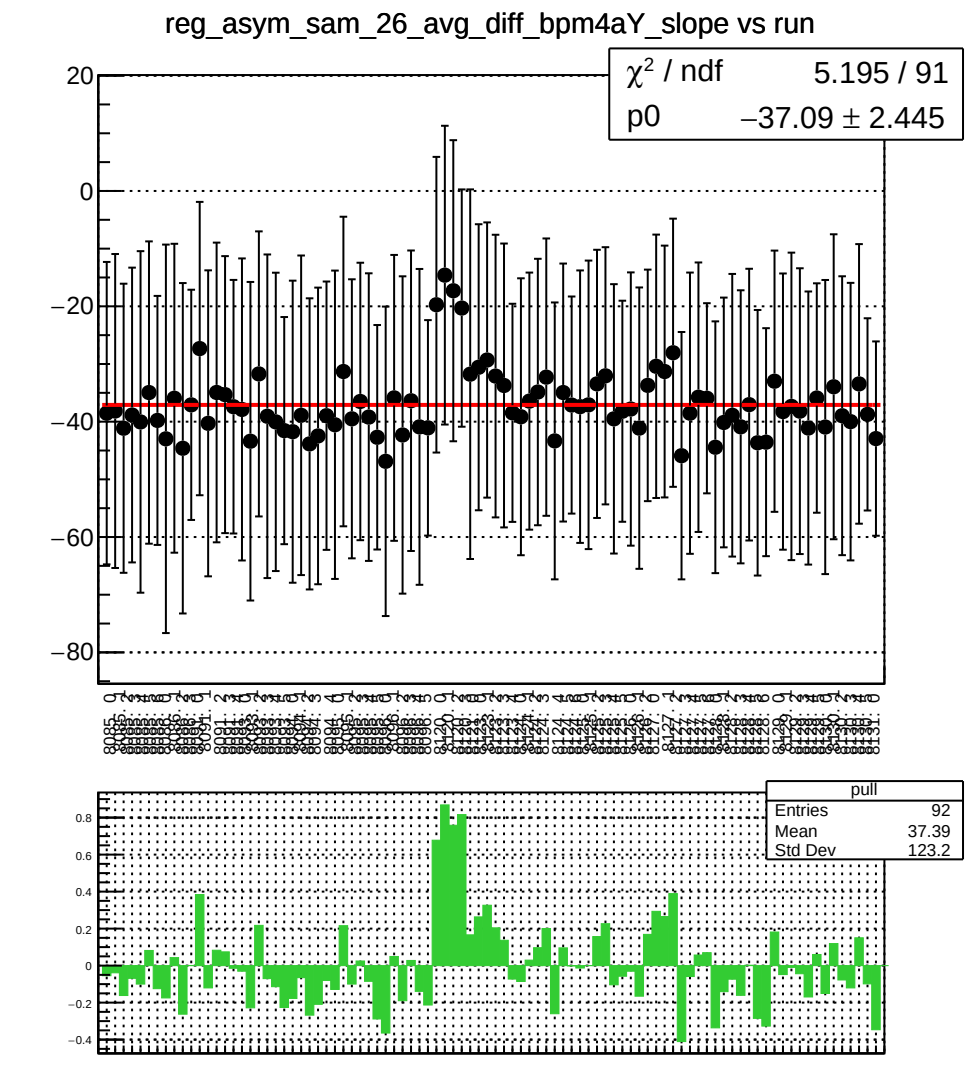

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.66 / 91
p0 21.59 ± 1.524
pull
Entries 92
Mean −224
Std Dev 277.3

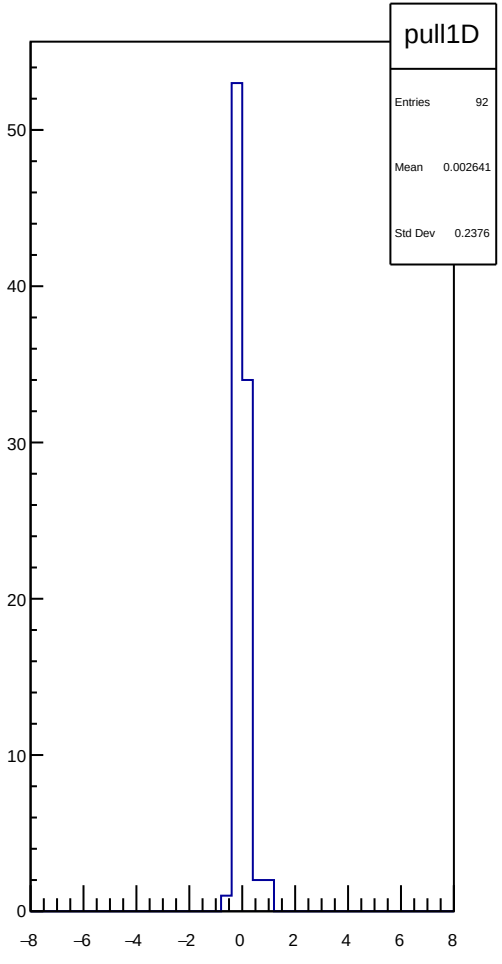

pull1D
Entries 92
Mean −0.008676
Std Dev 0.3708

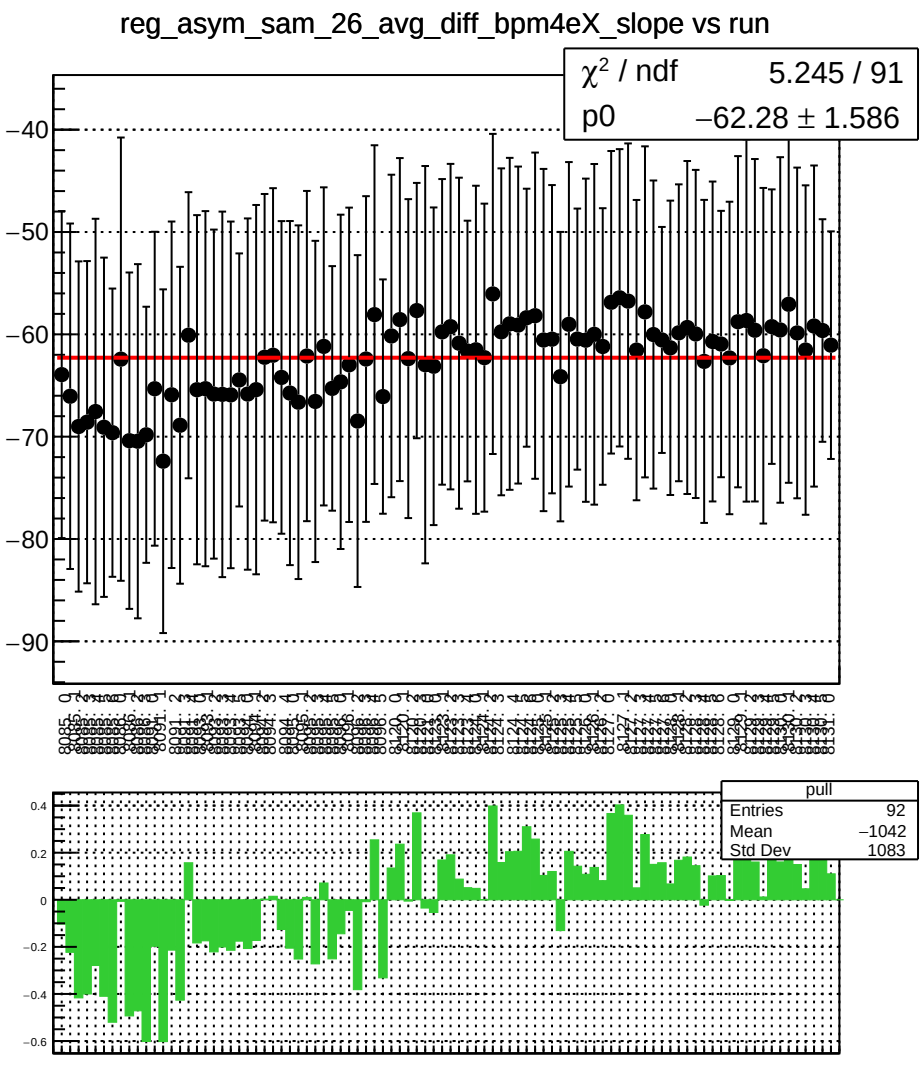

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 10.56 / 91
p0 −0.3865 ± 0.05822
pull
Entries 92
Mean −9617
Std Dev 9608
pull1D
Entries 92
Mean 5.853e−05
Std Dev 0.3388

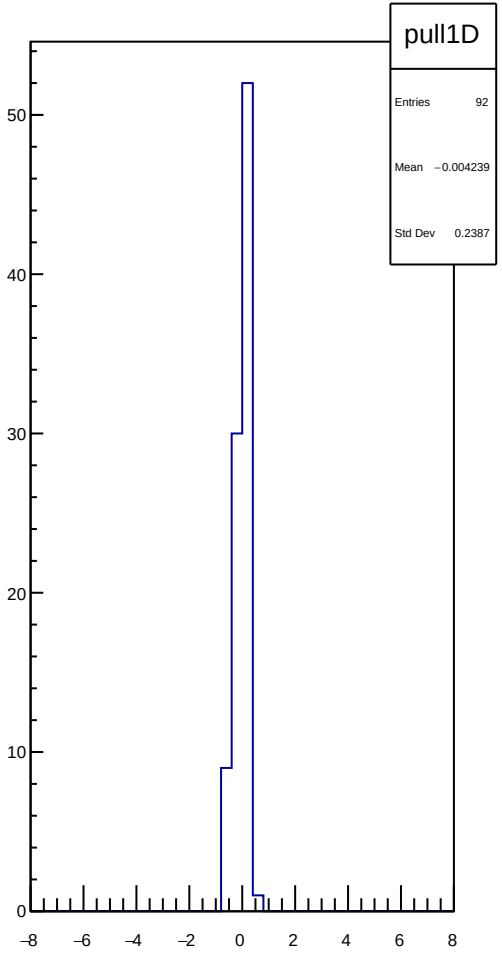

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 4.28 / 91
p0 −13.43 ± 1.669
pull
Entries 92
Mean −5001
Std Dev 5043

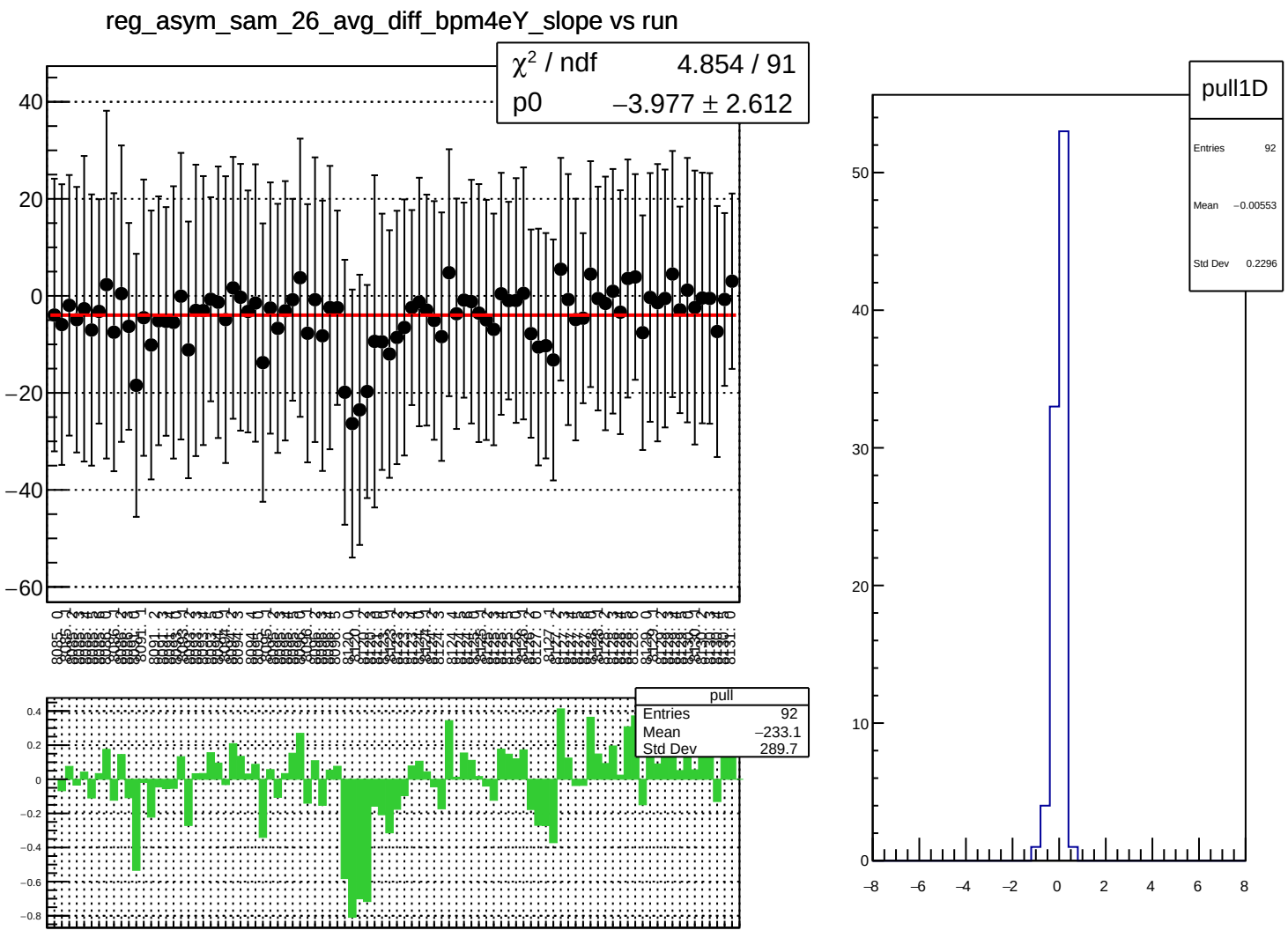

pull1D
Entries 92
Mean 0.0007916
Std Dev 0.2157

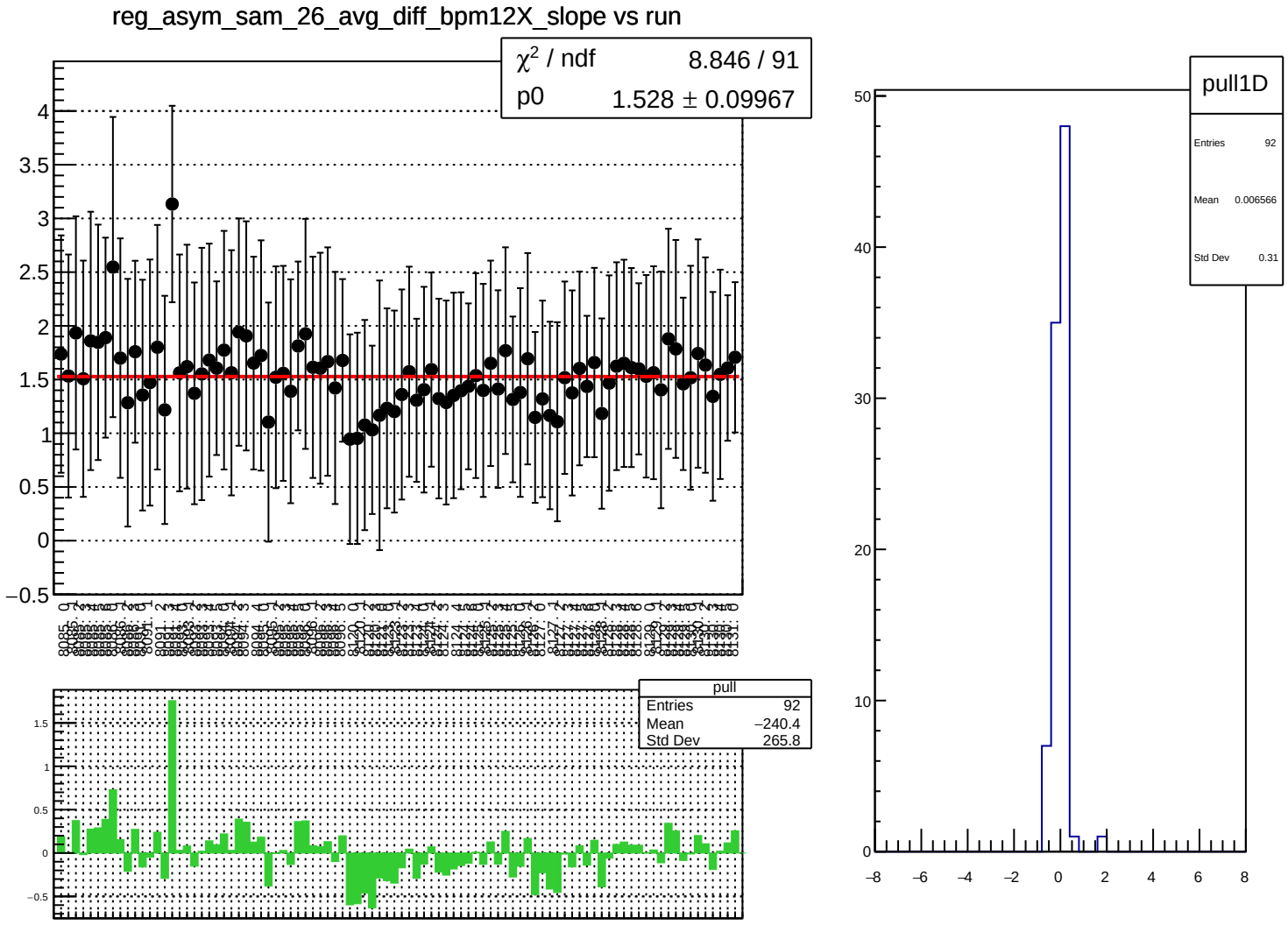

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.195 / 91
p0 −37.09 ± 2.445
pull
Entries 92
Mean 37.39
Std Dev 123.2

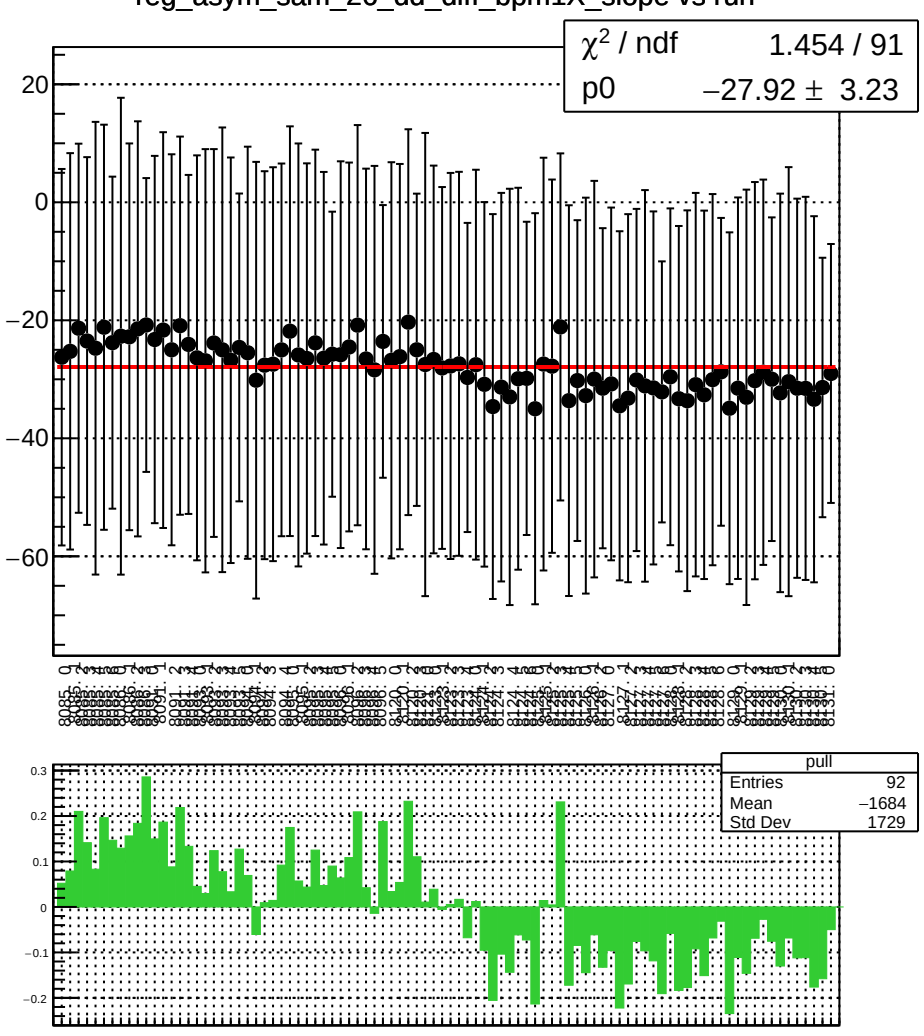

pull1D
Entries 92
Mean 0.002641
Std Dev 0.2376

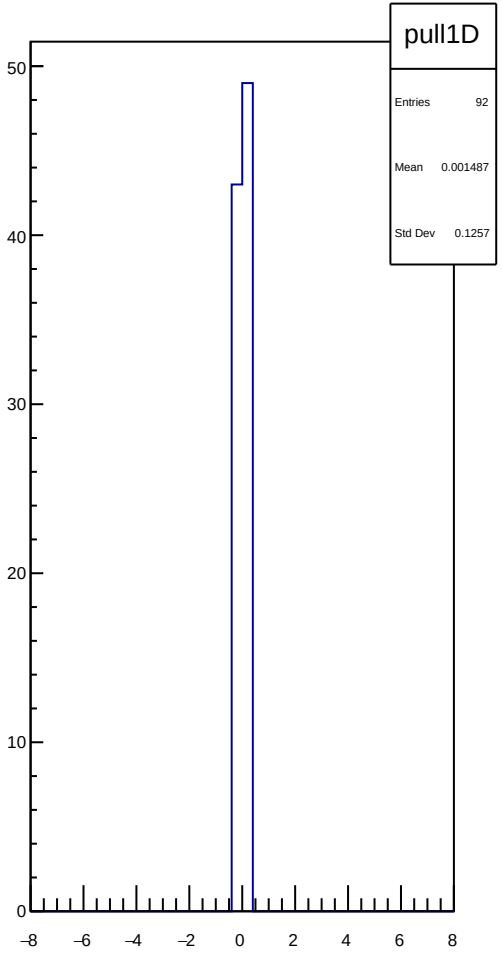

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.245 / 91
p0 −62.28 ± 1.586
−40
−50
−60
−70
−80
−90
pull
Entries 92
Mean −1042
Std Dev 1083
0.4
0.2
0
−0.2
−0.4
−0.6

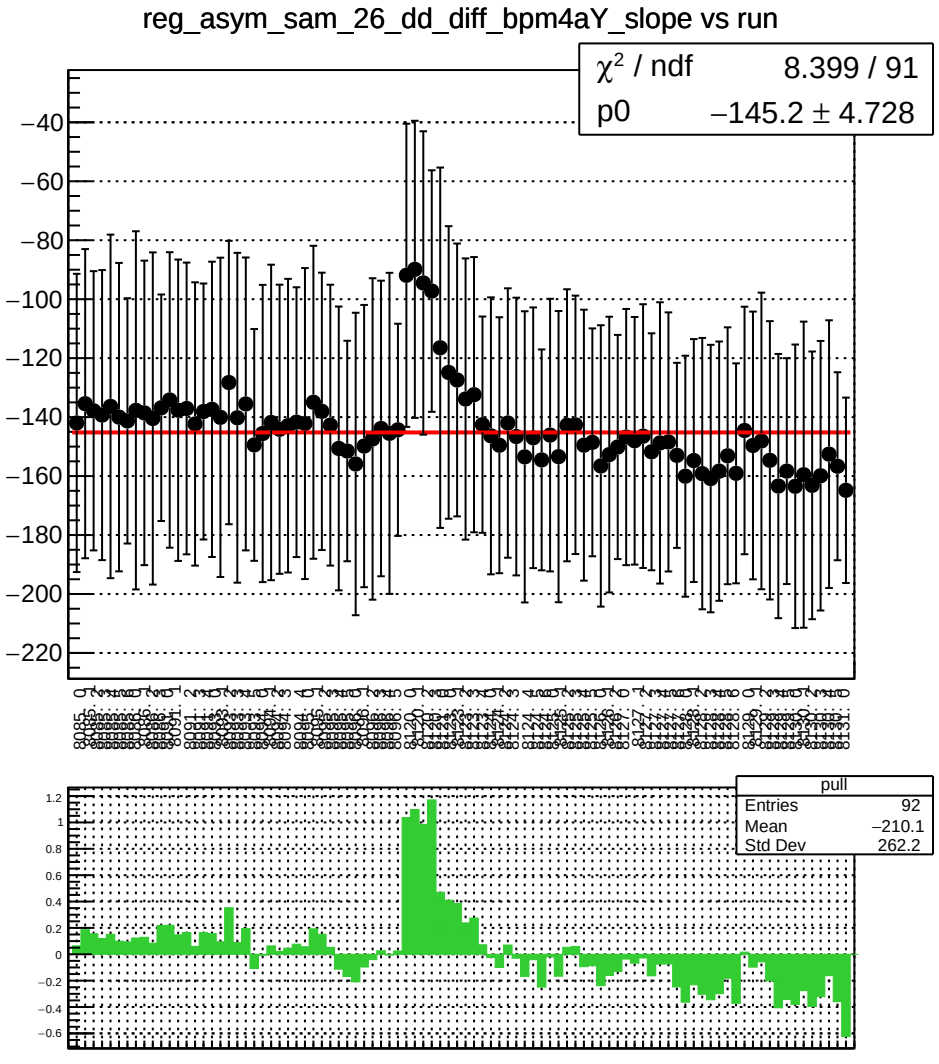

pull1D
Entries 92
Mean −0.004239
Std Dev 0.2387
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

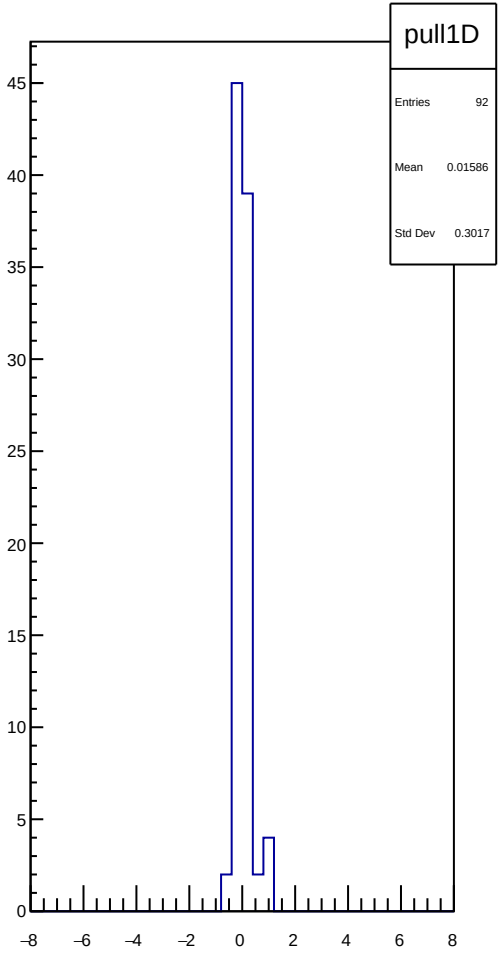

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.854 / 91
p0 −3.977 ± 2.612
pull
Entries 92
Mean −233.1
Std Dev 289.7
pull1D
Entries 92
Mean −0.00553
Std Dev 0.2296

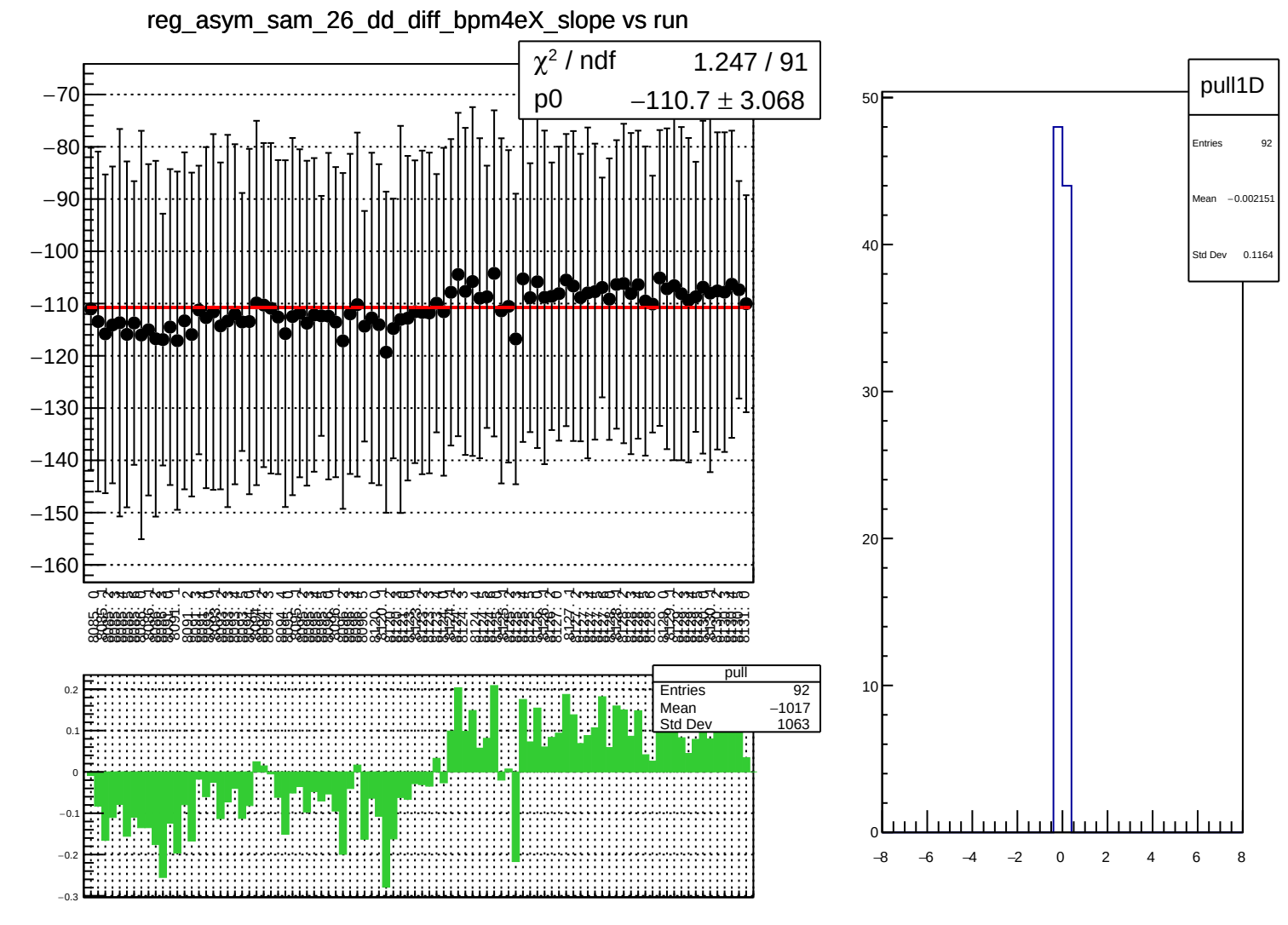

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 8.846 / 91
p0 1.528 ± 0.09967
pull
Entries 92
Mean −240.4
Std Dev 265.8
pull1D
Entries 92
Mean 0.006566
Std Dev 0.31

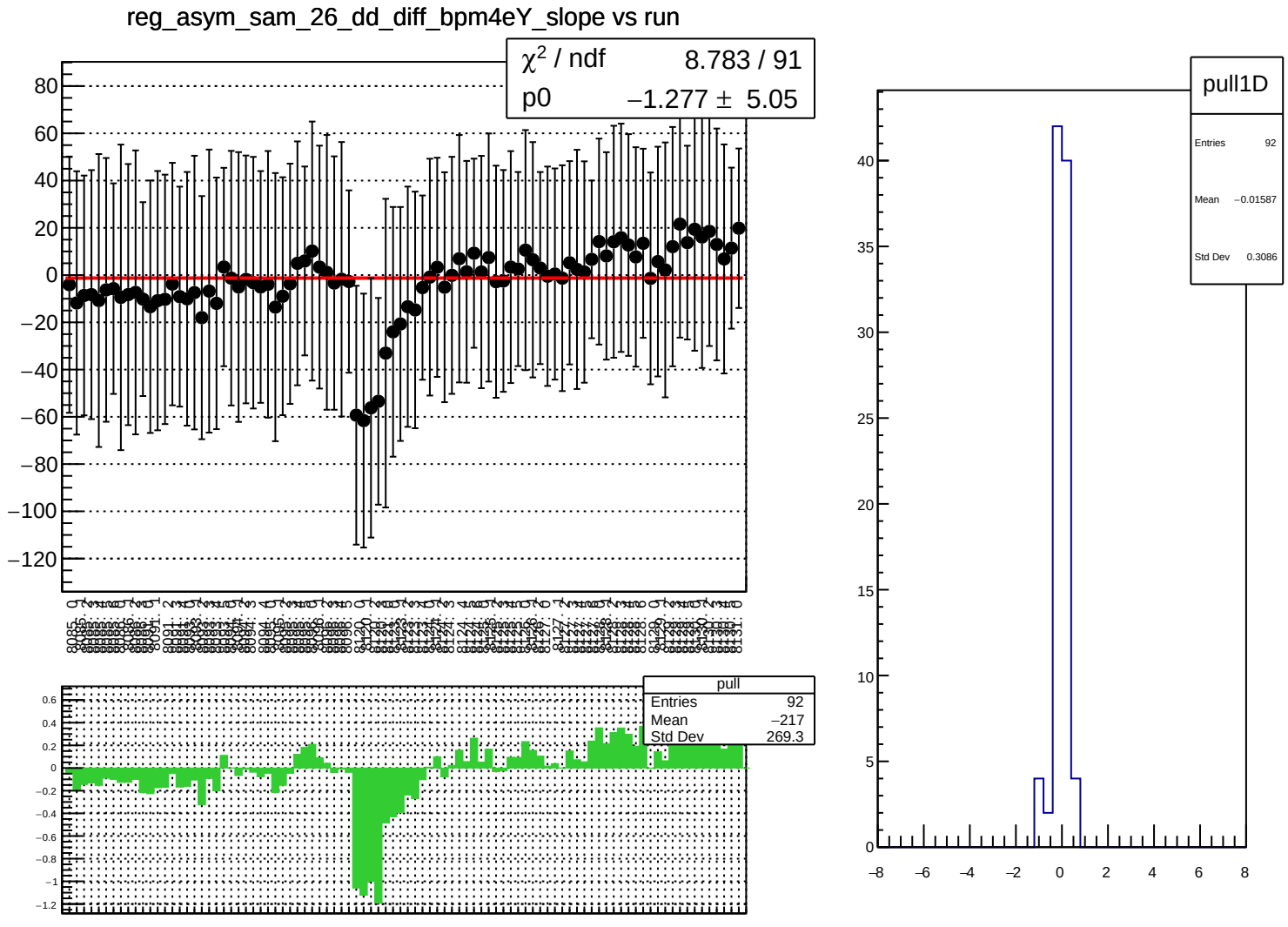

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.454 / 91
p0 −27.92 ± 3.23
pull
Entries 92
Mean −1684
Std Dev 1729

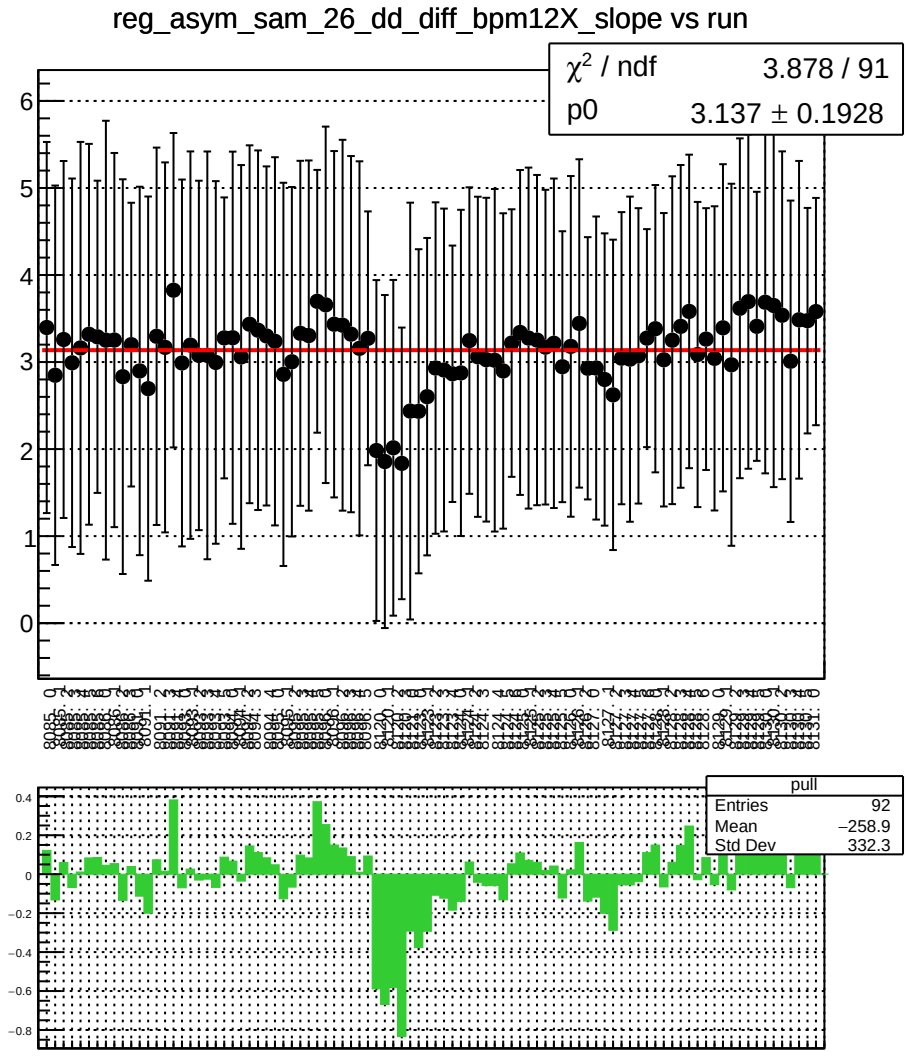

pull1D
Entries 92
Mean 0.001487
Std Dev 0.1257

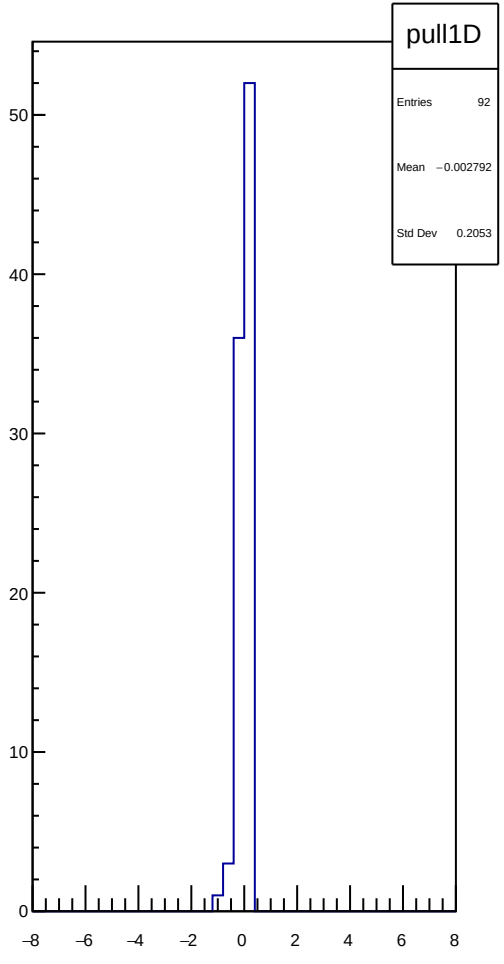

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.399 / 91
p0 −145.2 ± 4.728
pull
Entries 92
Mean −210.1
Std Dev 262.2

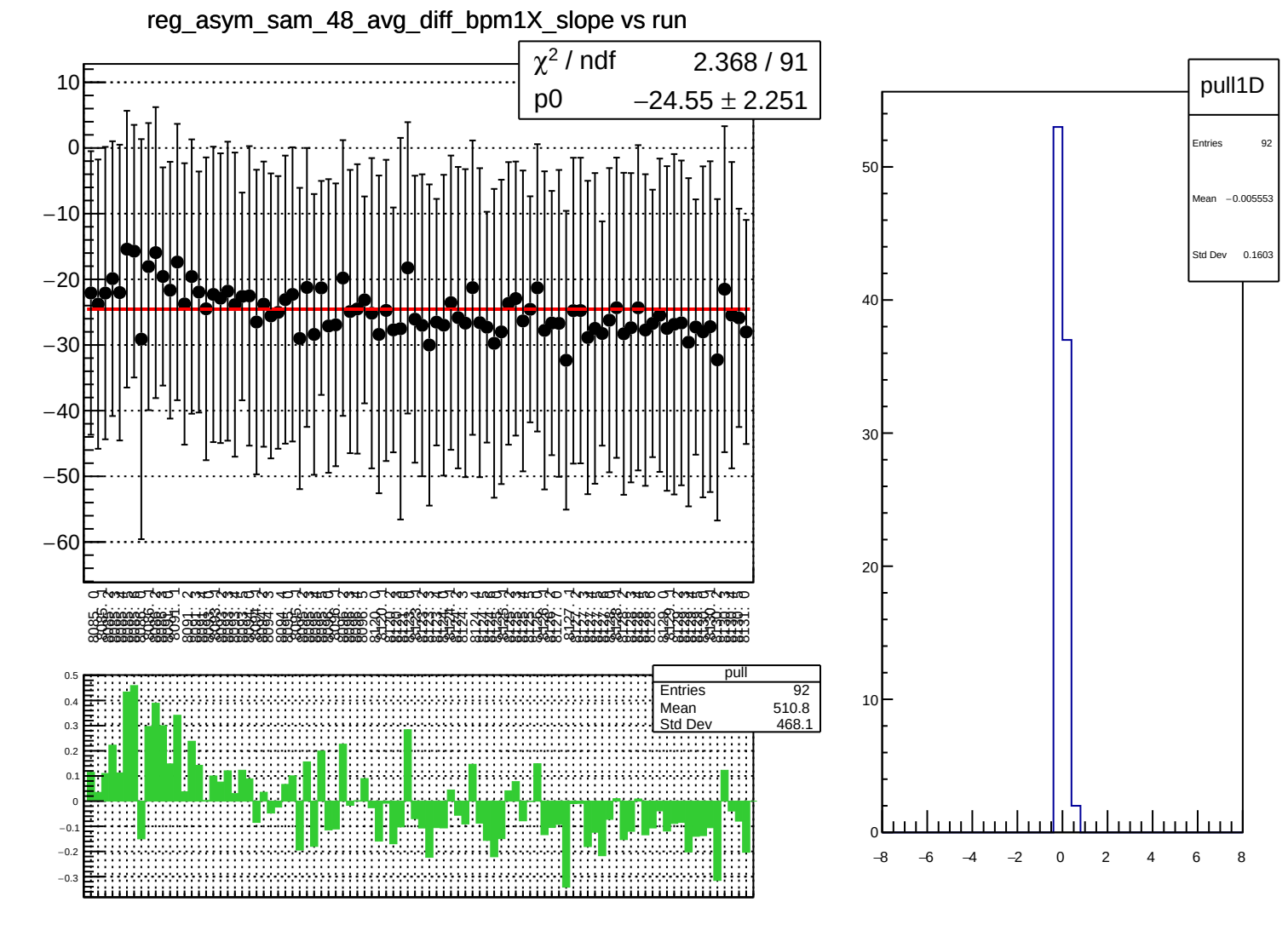

pull1D
Entries 92
Mean 0.01586
Std Dev 0.3017

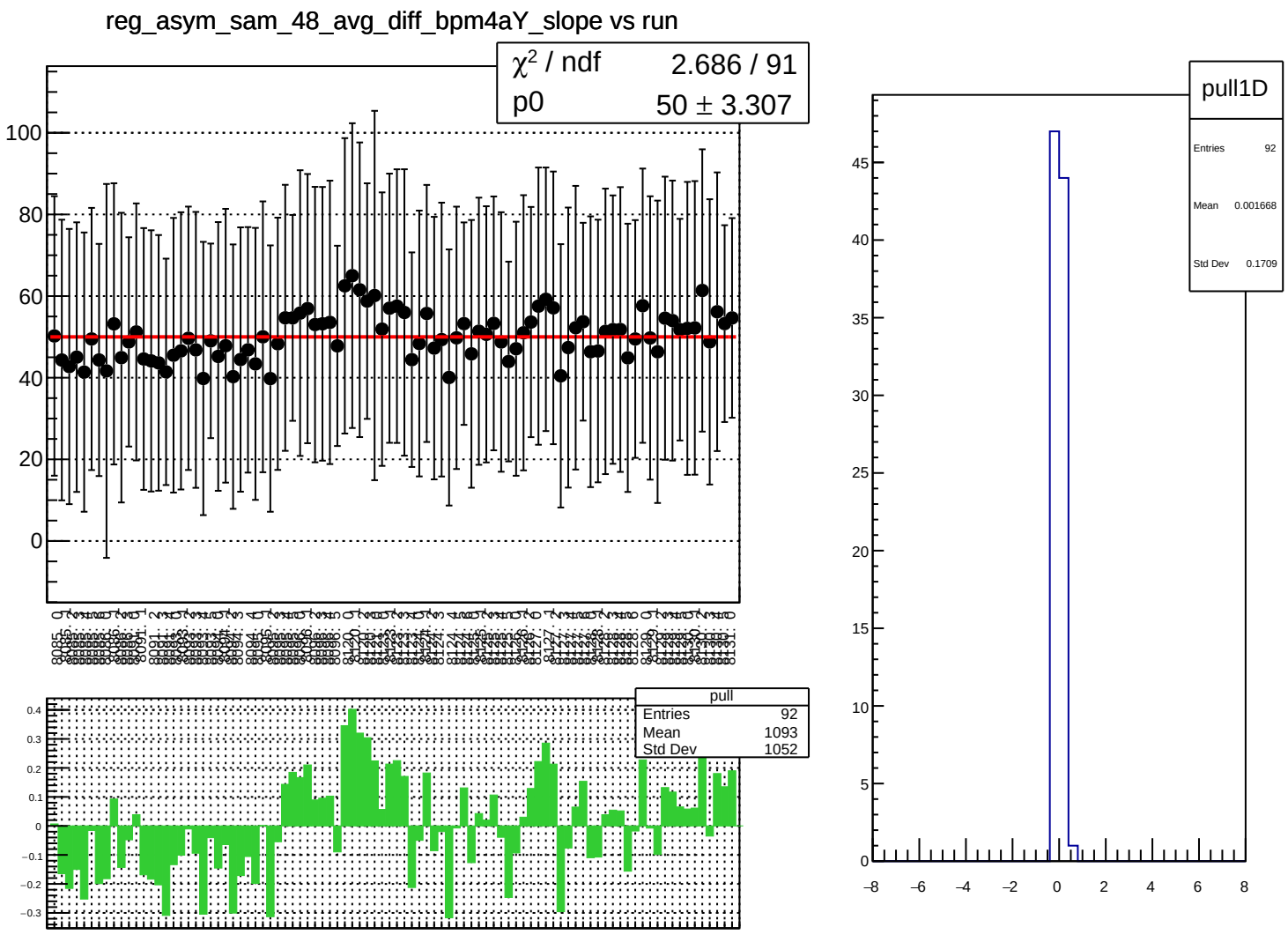

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.247 / 91
p0 −110.7 ± 3.068
pull
Entries 92
Mean −1017
Std Dev 1063
pull1D
Entries 92
Mean −0.002151
Std Dev 0.1164

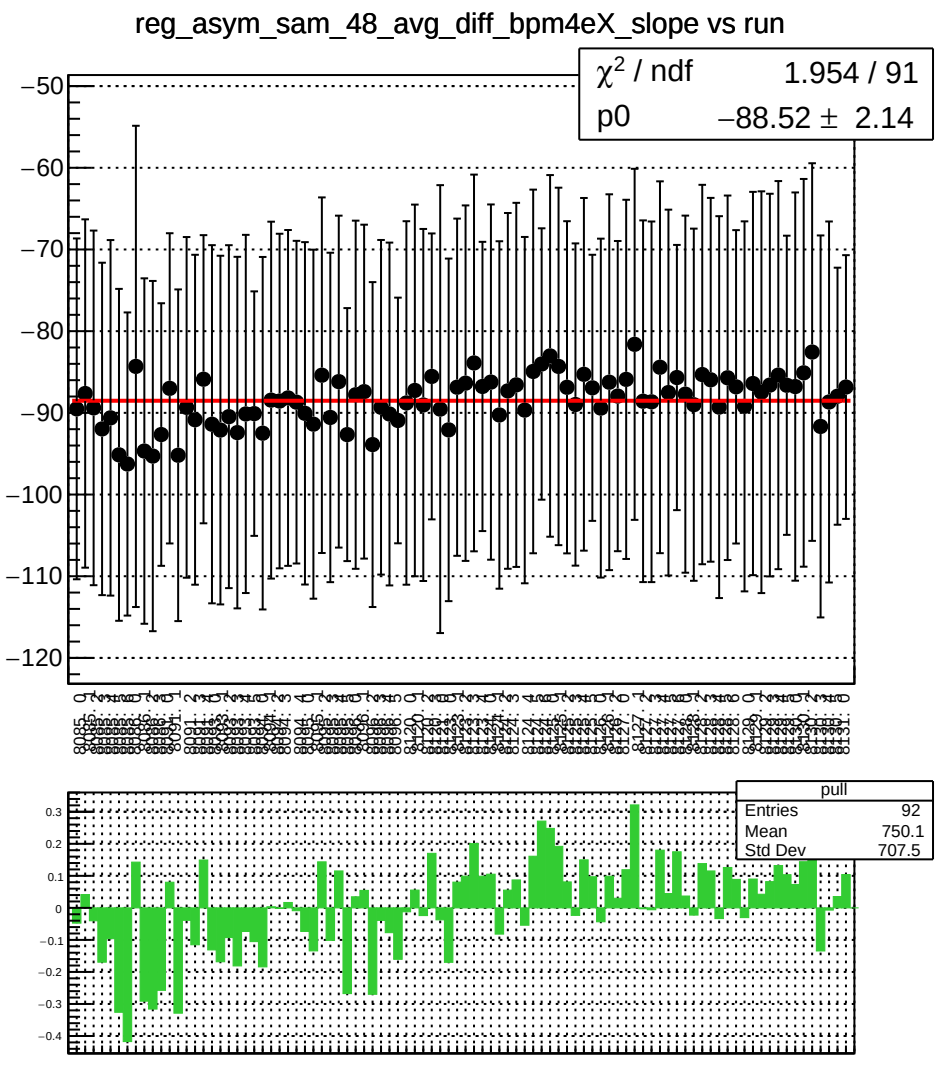

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.783 / 91
p0 −1.277 ± 5.05
pull
Entries 92
Mean −217
Std Dev 269.3
pull1D
Entries 92
Mean −0.01587
Std Dev 0.3086

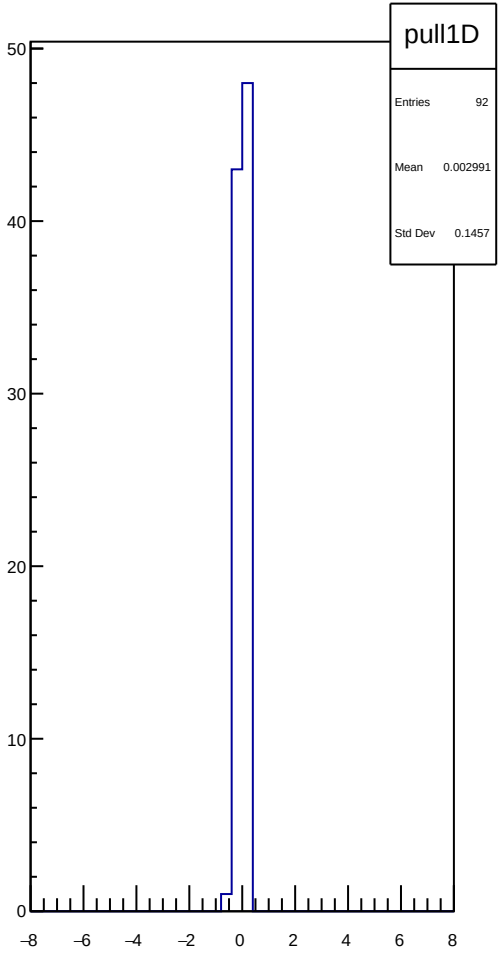

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.878 / 91
p0 3.137 ± 0.1928
pull
Entries 92
Mean −258.9
Std Dev 332.3

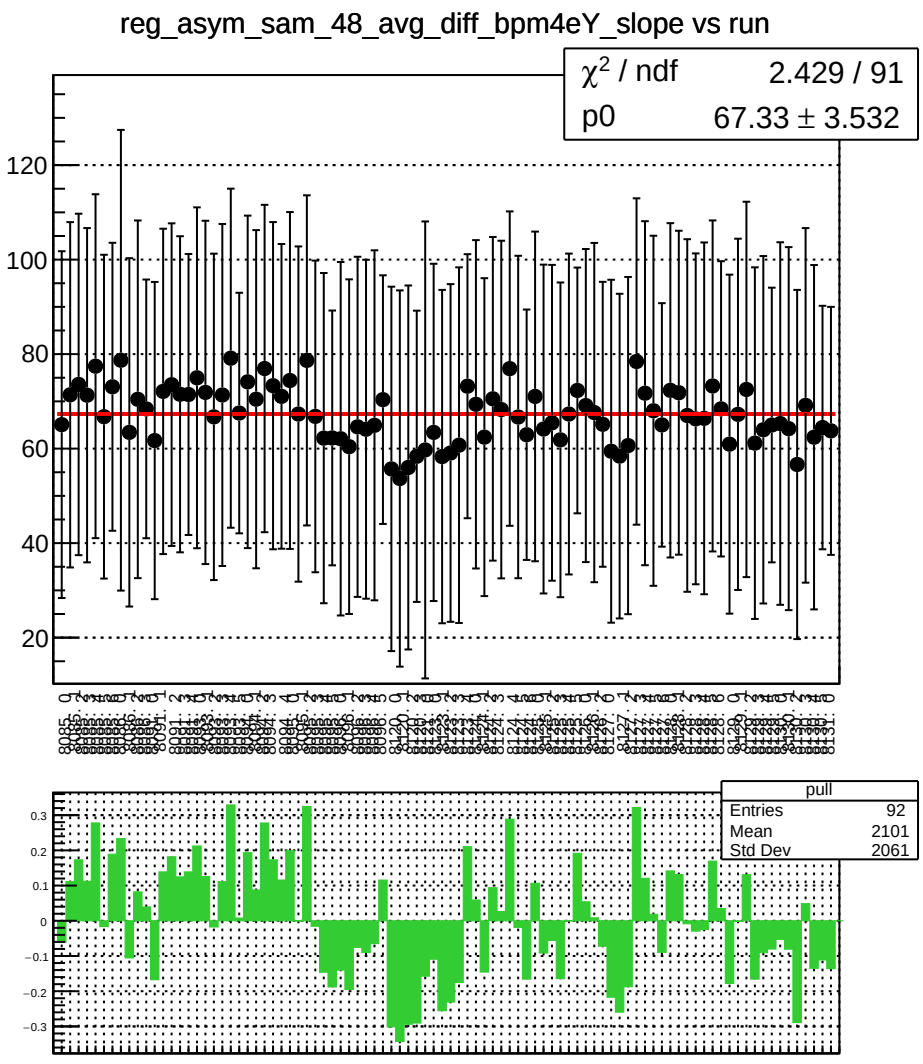

pull1D
Entries 92
Mean −0.002792
Std Dev 0.2053

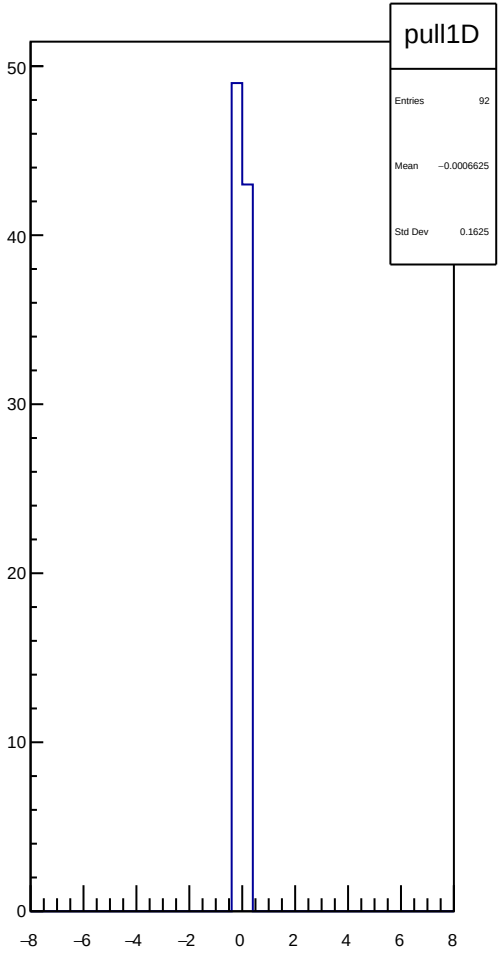

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 2.368 / 91
p0 −24.55 ± 2.251
pull
Entries 92
Mean 510.8
Std Dev 468.1
pull1D
Entries 92
Mean −0.005553
Std Dev 0.1603

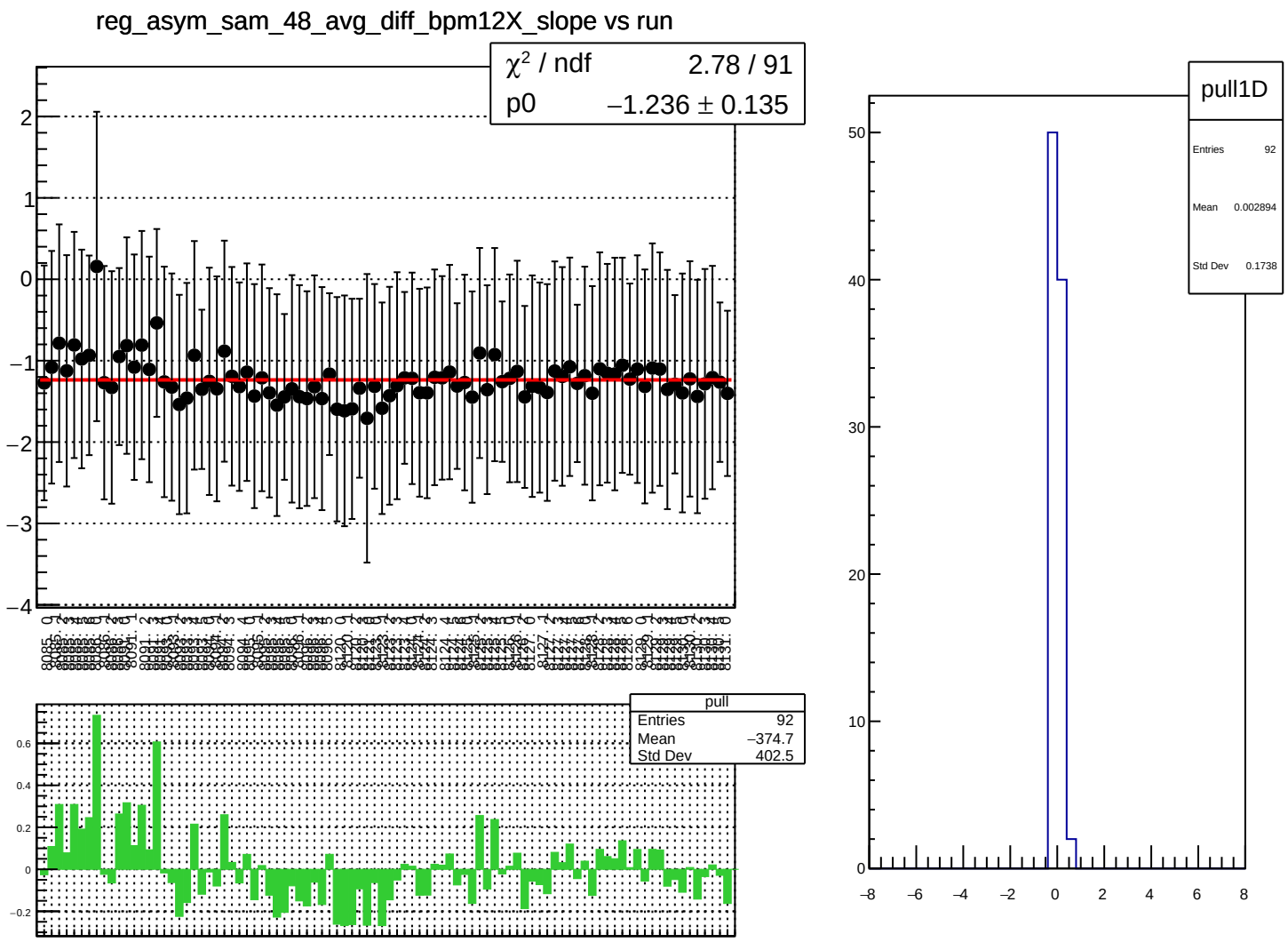

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.686 / 91
p0 50 ± 3.307
pull
Entries 92
Mean 1093
Std Dev 1052
pull1D
Entries 92
Mean 0.001668
Std Dev 0.1709

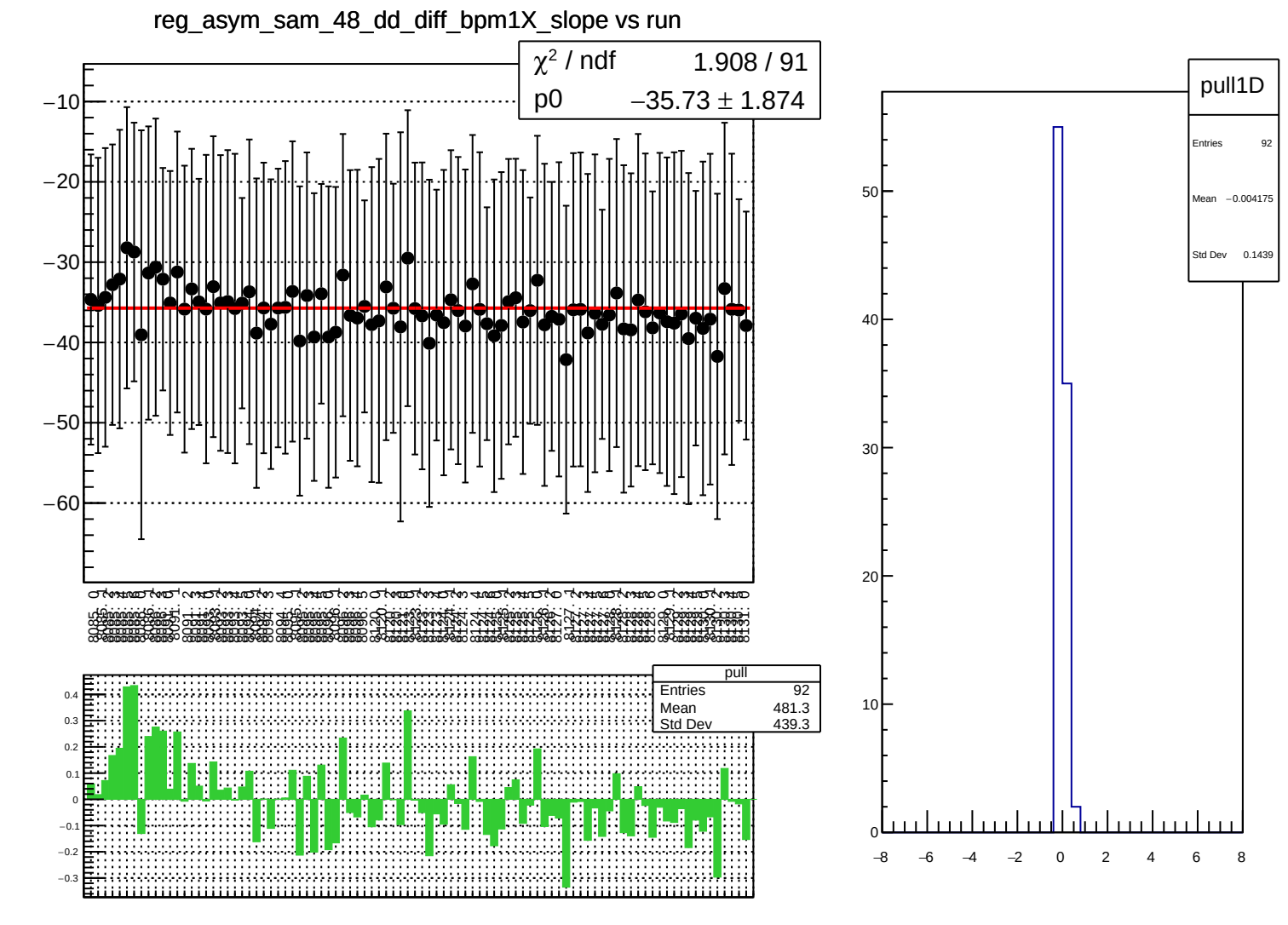

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.954 / 91
p0 −88.52 ± 2.14
pull
Entries 92
Mean 750.1
Std Dev 707.5

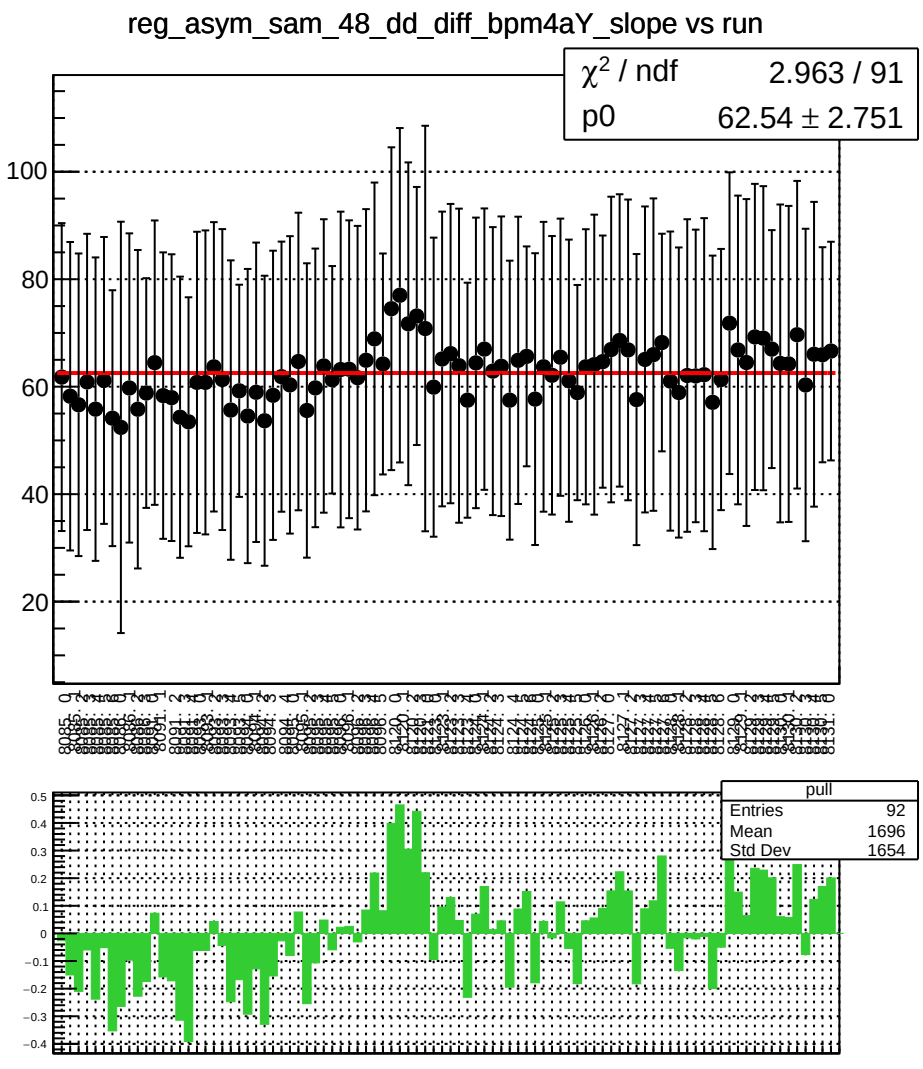

pull1D
Entries 92
Mean 0.002991
Std Dev 0.1457

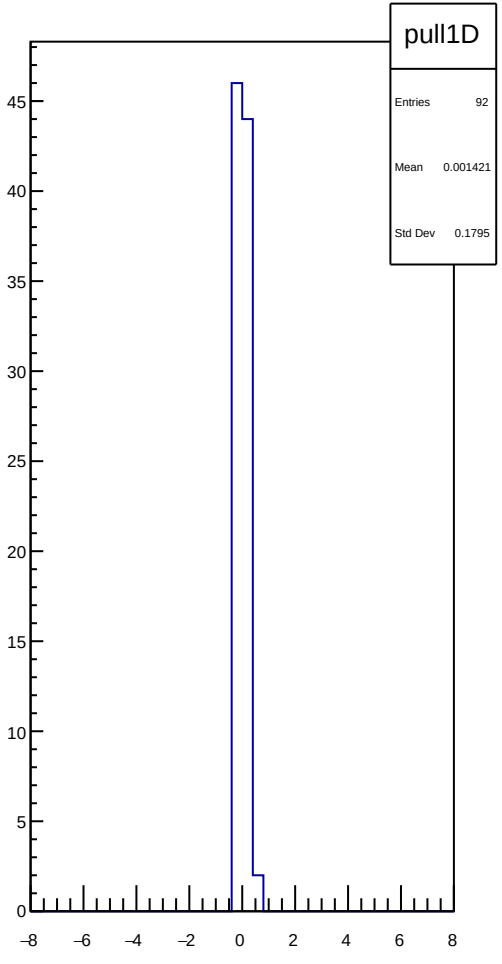

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.429 / 91
p0 67.33 ± 3.532
pull
Entries 92
Mean 2101
Std Dev 2061

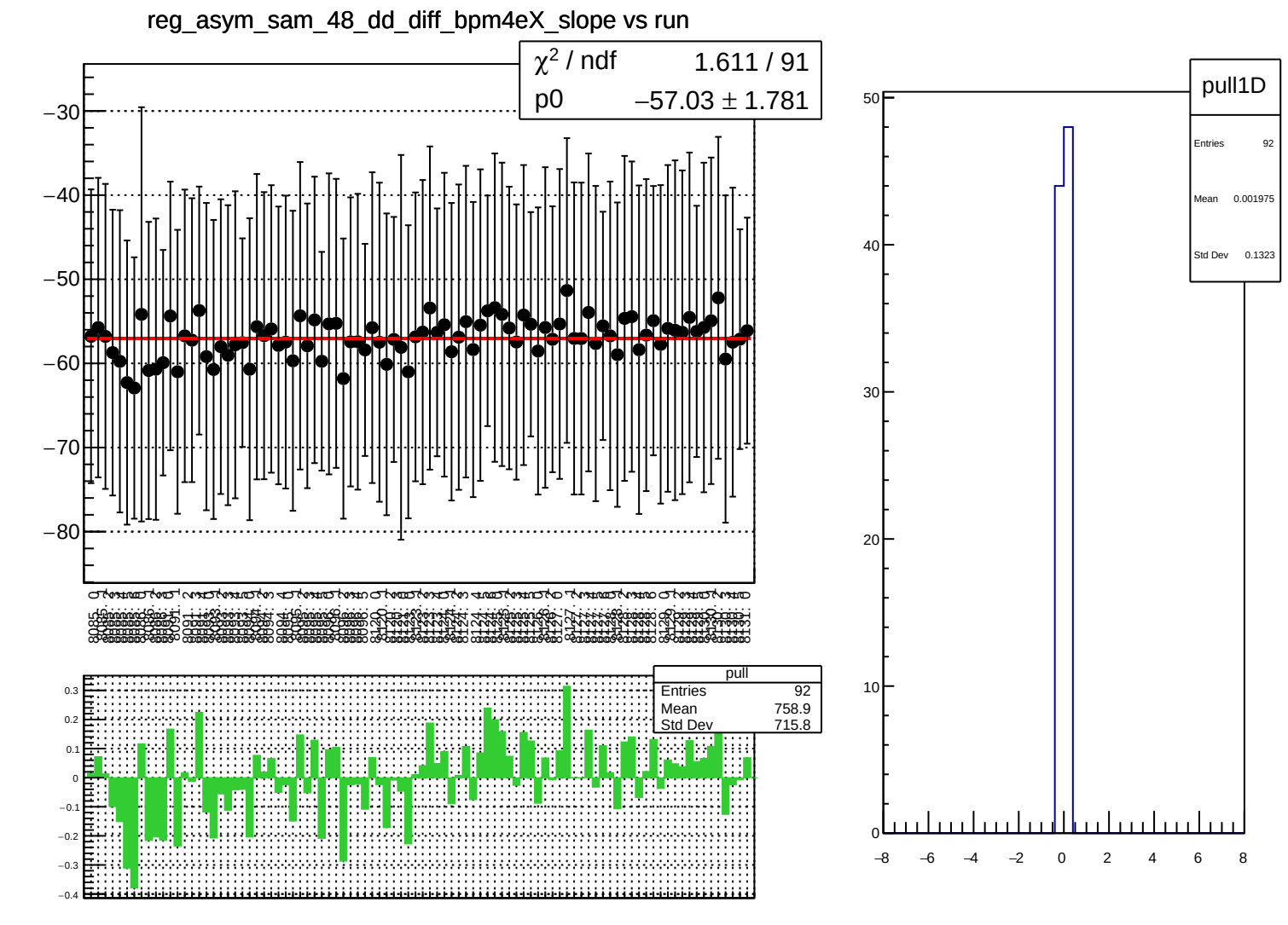

pull1D
Entries 92
Mean −0.0006625
Std Dev 0.1625

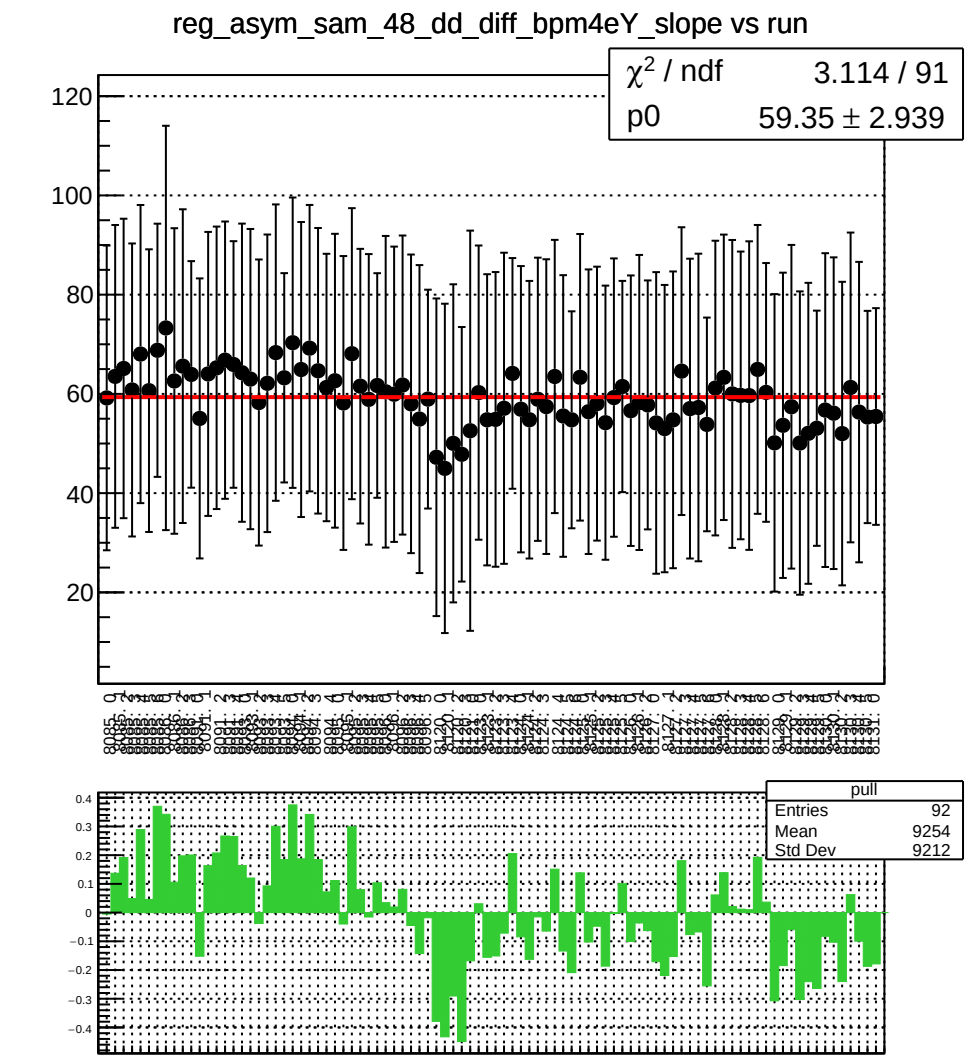

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 2.78 / 91
p0 −1.236 ± 0.135
pull
Entries 92
Mean −374.7
Std Dev 402.5
pull1D
Entries 92
Mean 0.002894
Std Dev 0.1738

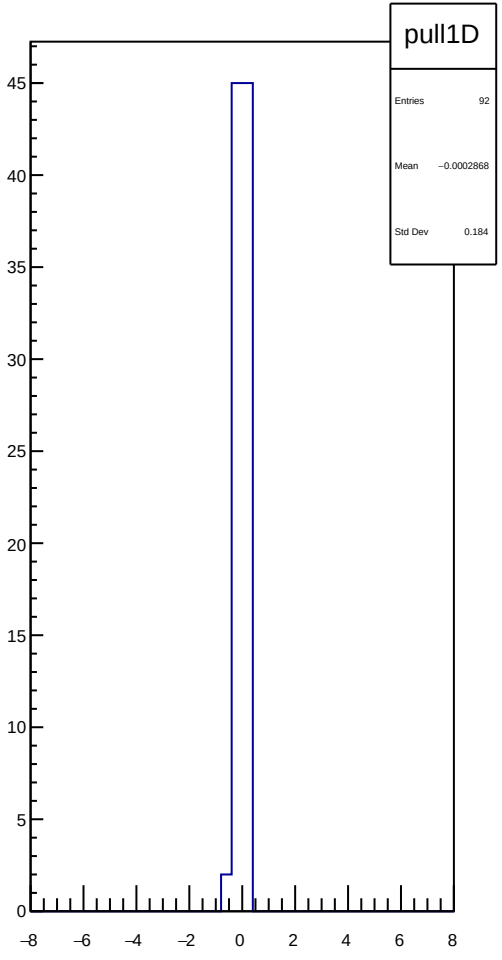

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.908 / 91
p0 −35.73 ± 1.874
−10
−20
−30
−40
−50
−60
pull
Entries 92
Mean 481.3
Std Dev 439.3
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 92
Mean −0.004175
Std Dev 0.1439
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

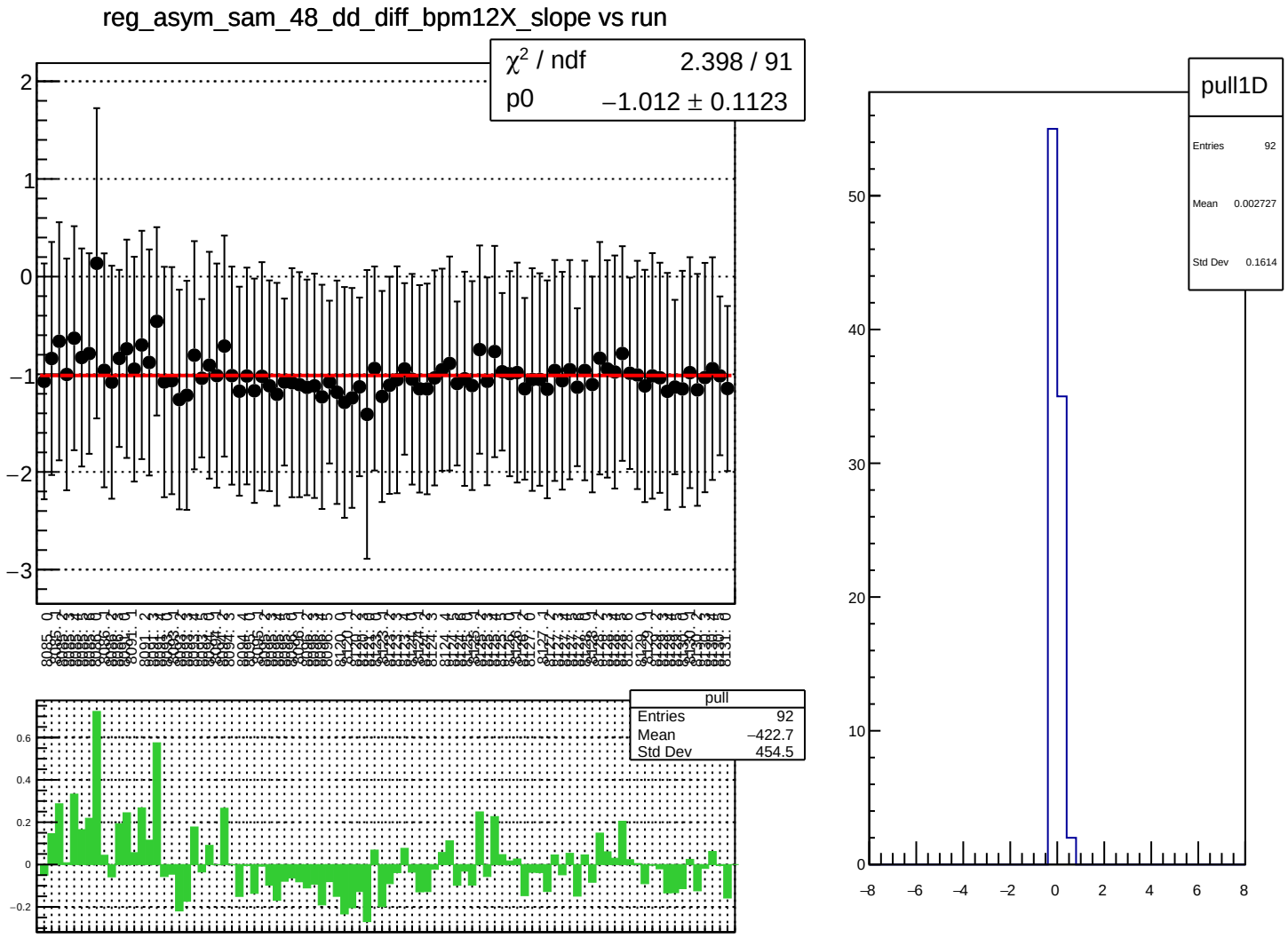

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.963 / 91
p0 62.54 ± 2.751
pull
Entries 92
Mean 1696
Std Dev 1654

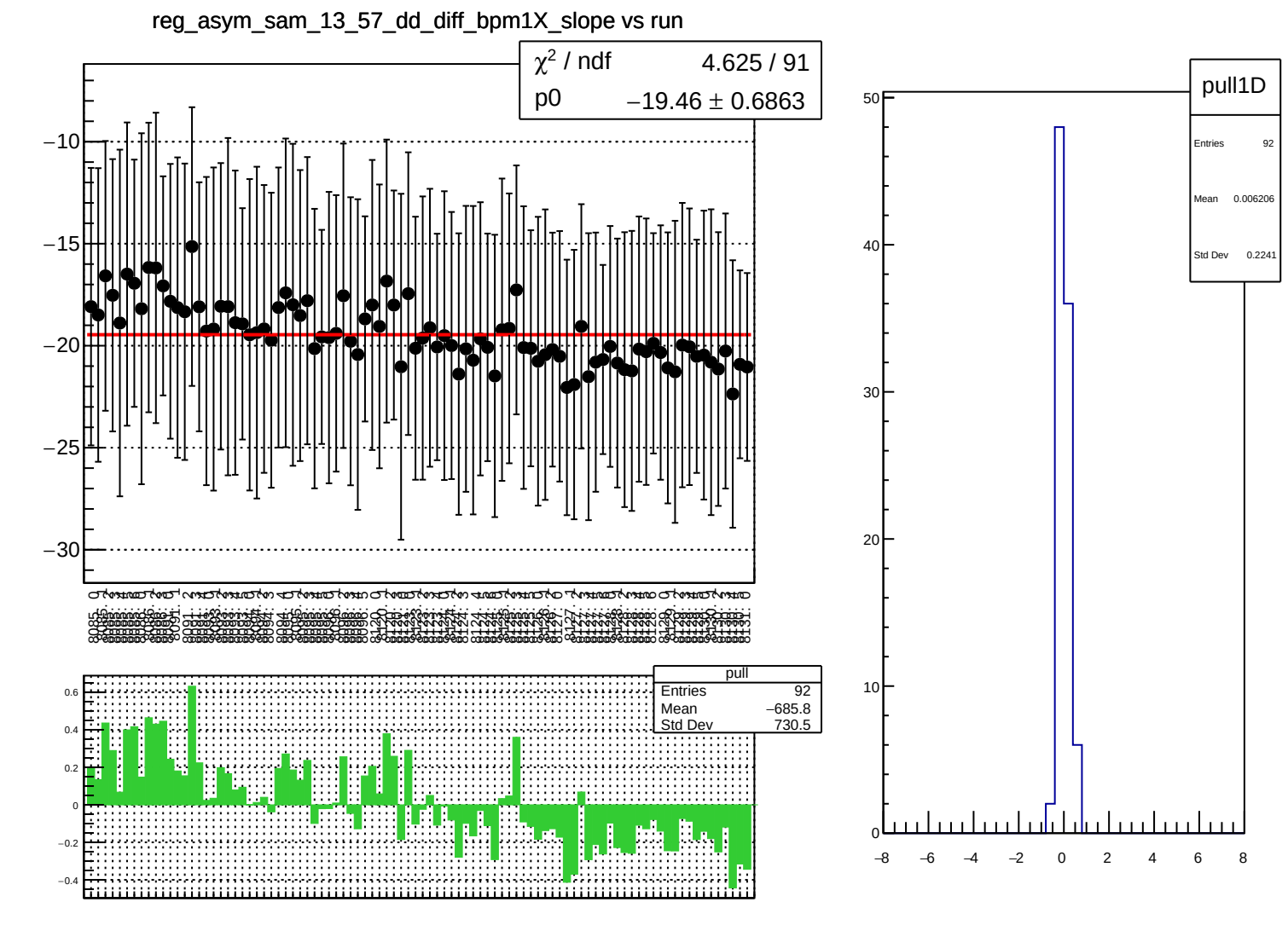

pull1D
Entries 92
Mean 0.001421
Std Dev 0.1795

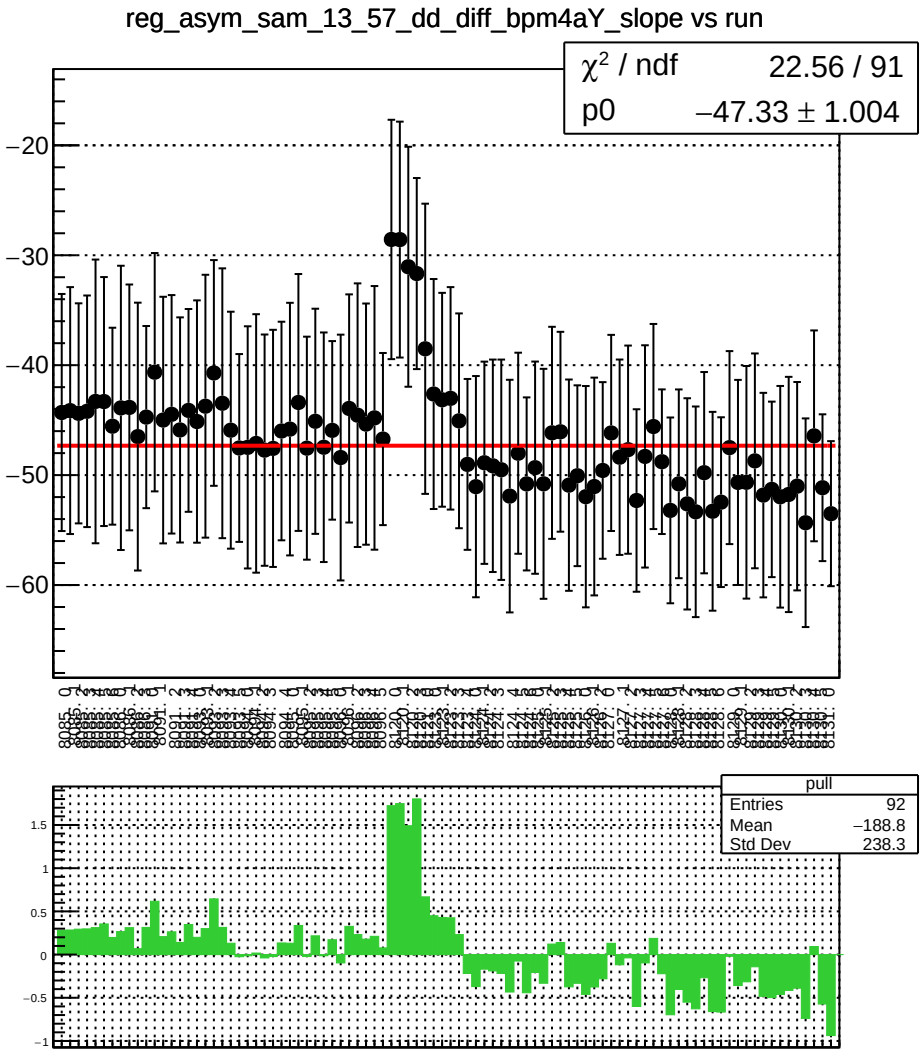

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.611 / 91
p0 −57.03 ± 1.781
−30
−40
−50
−60
−70
−80
pull
Entries 92
Mean 758.9
Std Dev 715.8
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 92
Mean 0.001975
Std Dev 0.1323
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

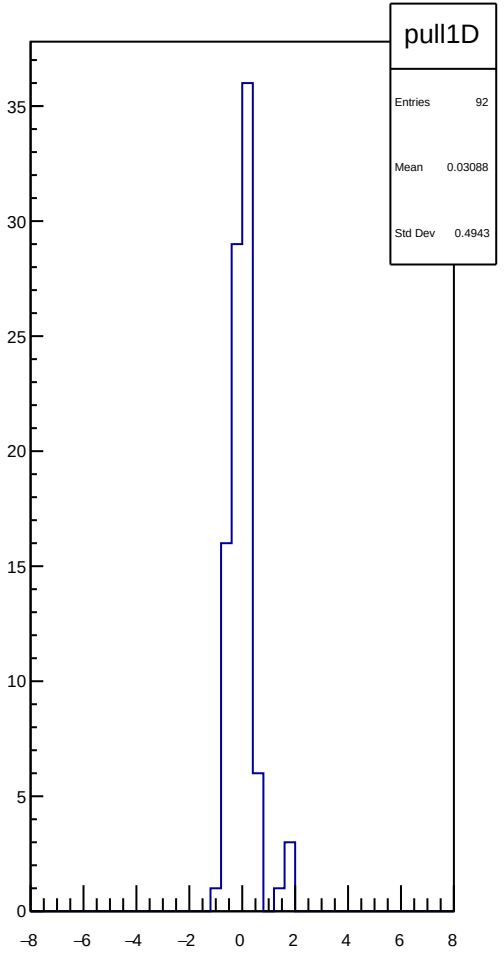

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.114 / 91
p0 59.35 ± 2.939
pull
Entries 92
Mean 9254
Std Dev 9212

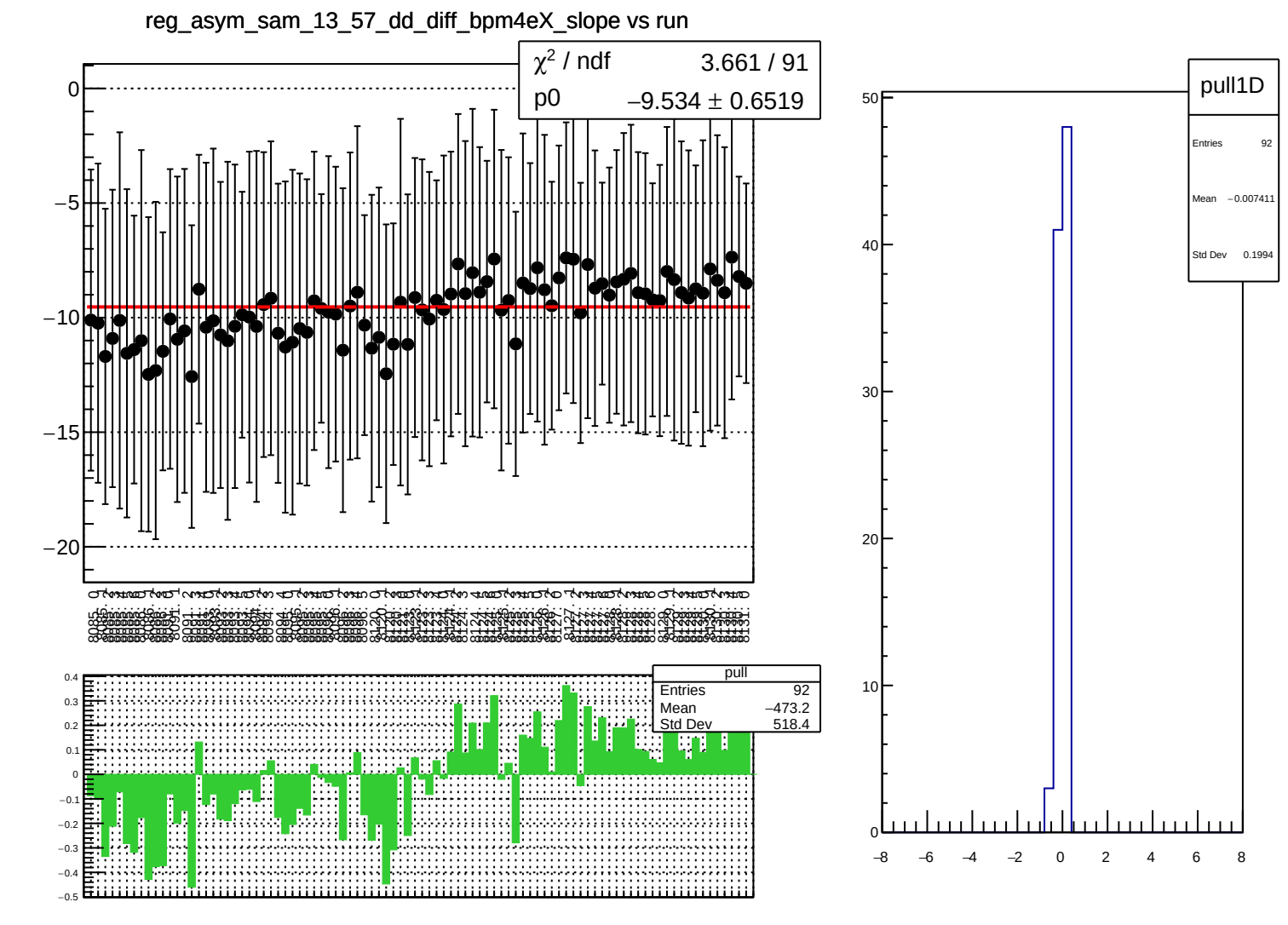

pull1D
Entries 92
Mean −0.0002868
Std Dev 0.184

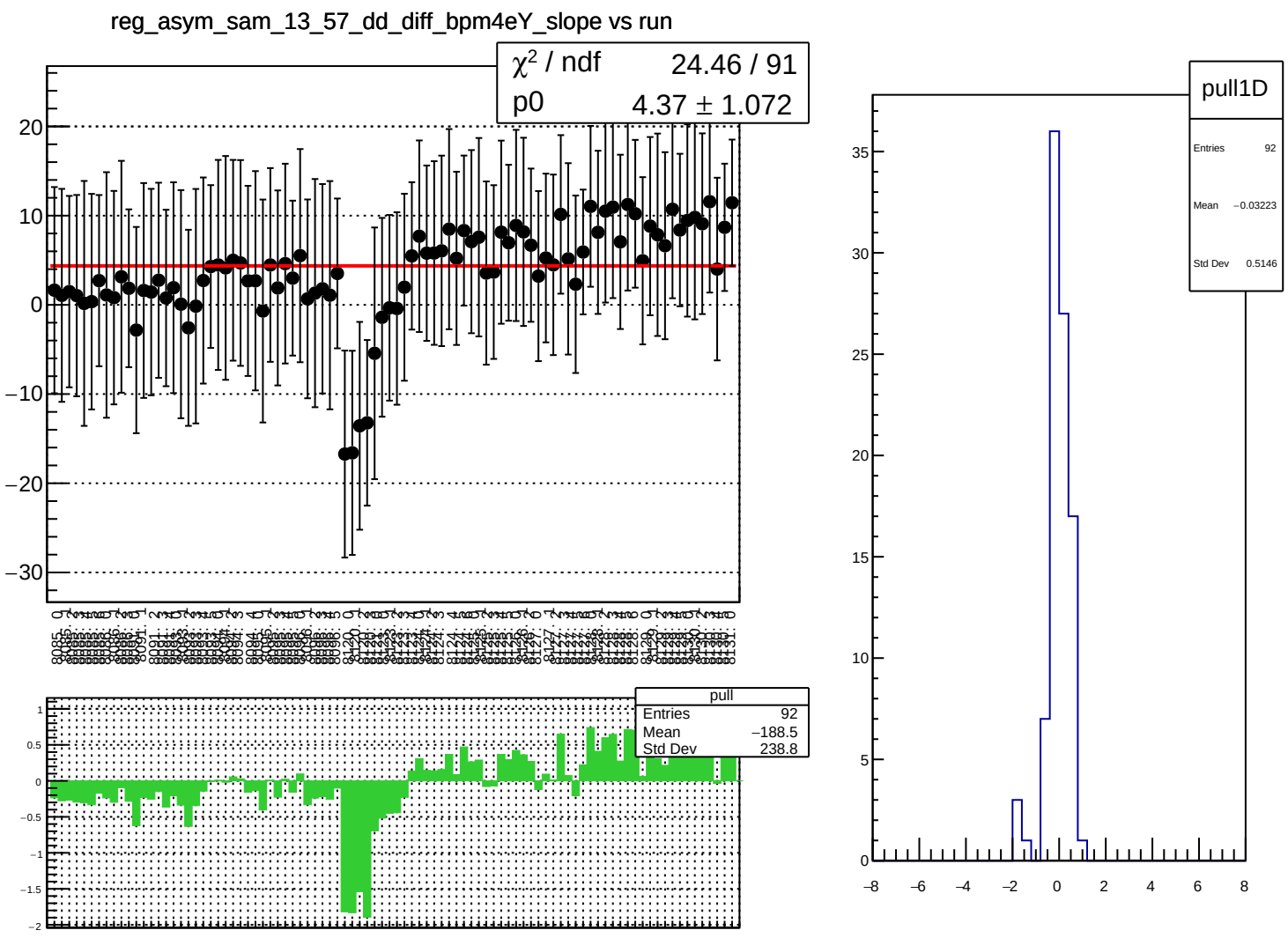

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.398 / 91
p0 −1.012 ± 0.1123
pull
Entries 92
Mean −422.7
Std Dev 454.5
pull1D
Entries 92
Mean 0.002727
Std Dev 0.1614

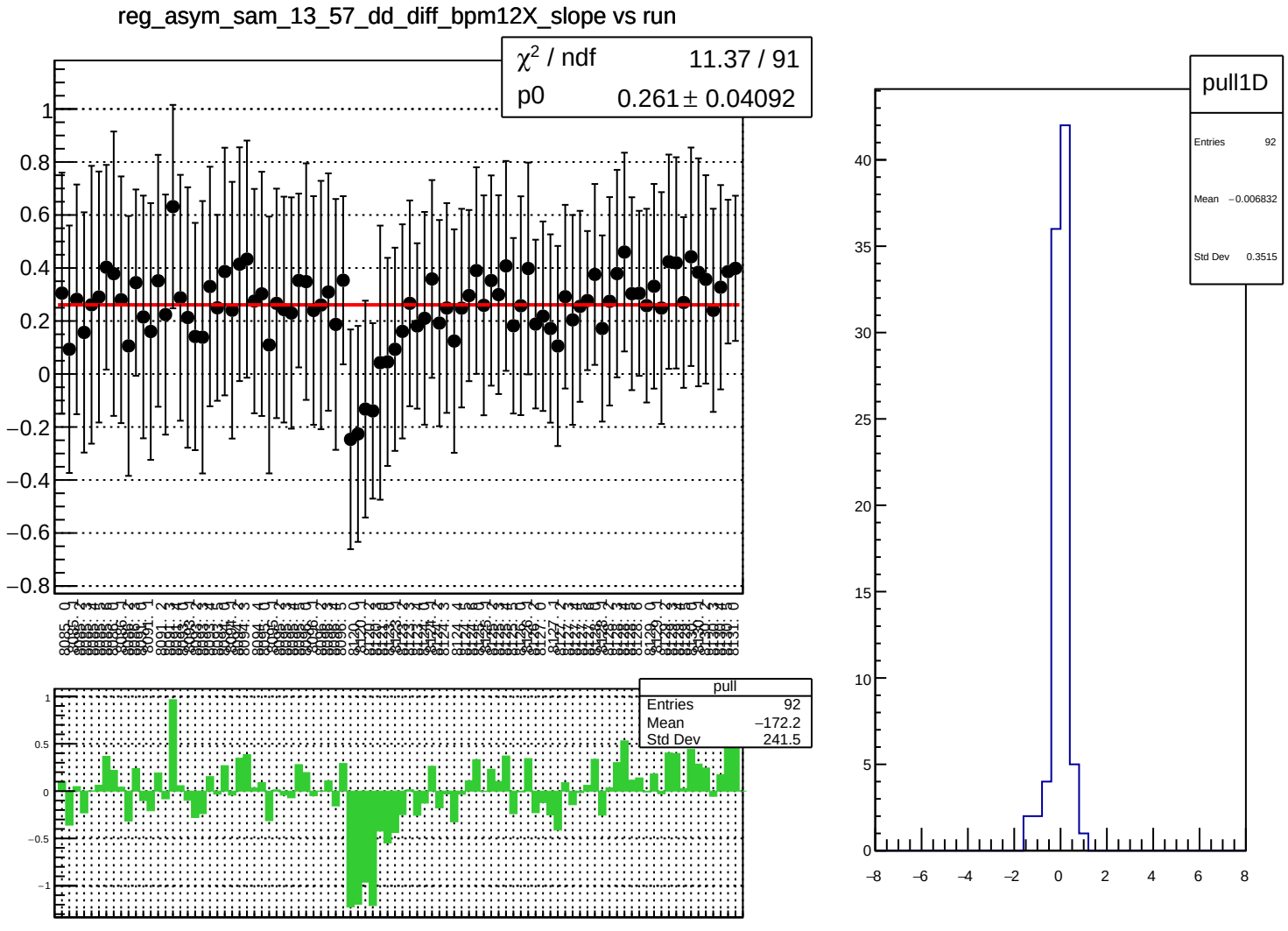

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 4.625 / 91
p0 −19.46 ± 0.6863
pull
Entries 92
Mean −685.8
Std Dev 730.5
pull1D
Entries 92
Mean 0.006206
Std Dev 0.2241

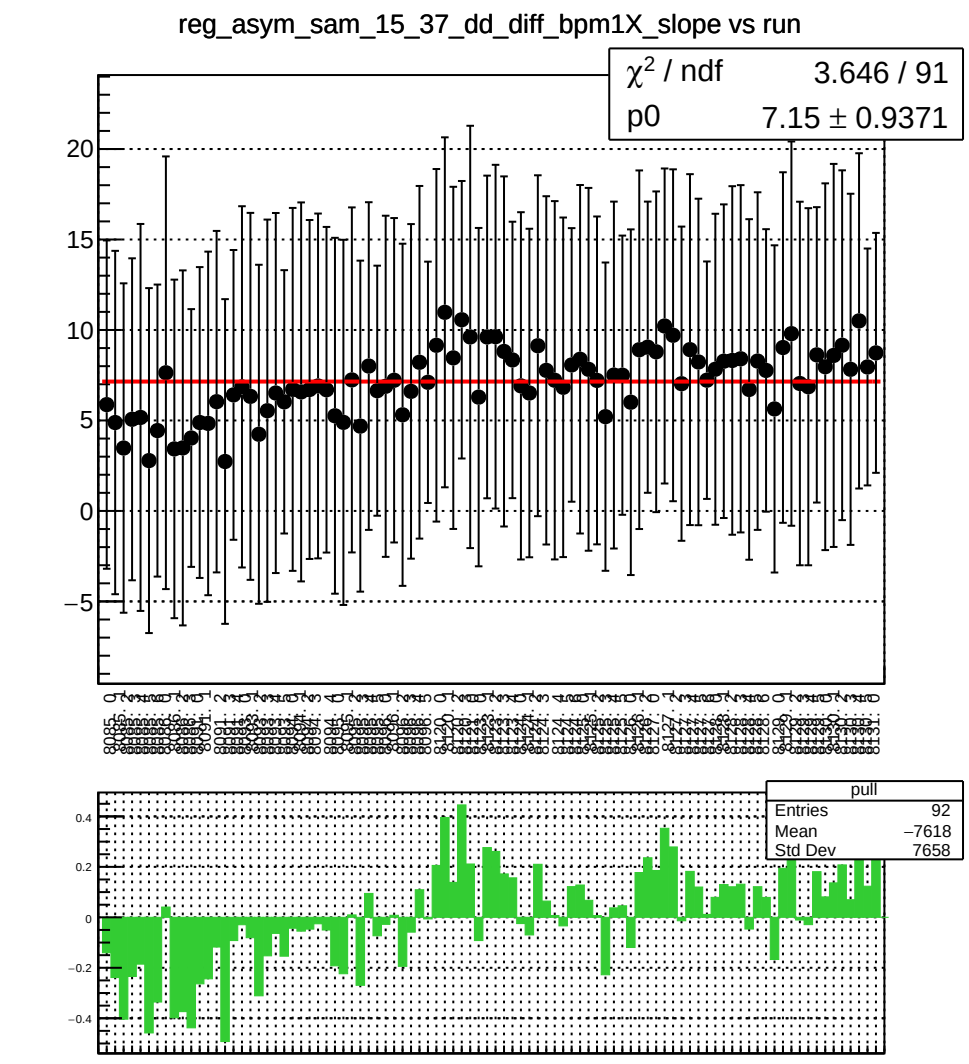

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.56 / 91
p0 −47.33 ± 1.004
pull
Entries 92
Mean −188.8
Std Dev 238.3

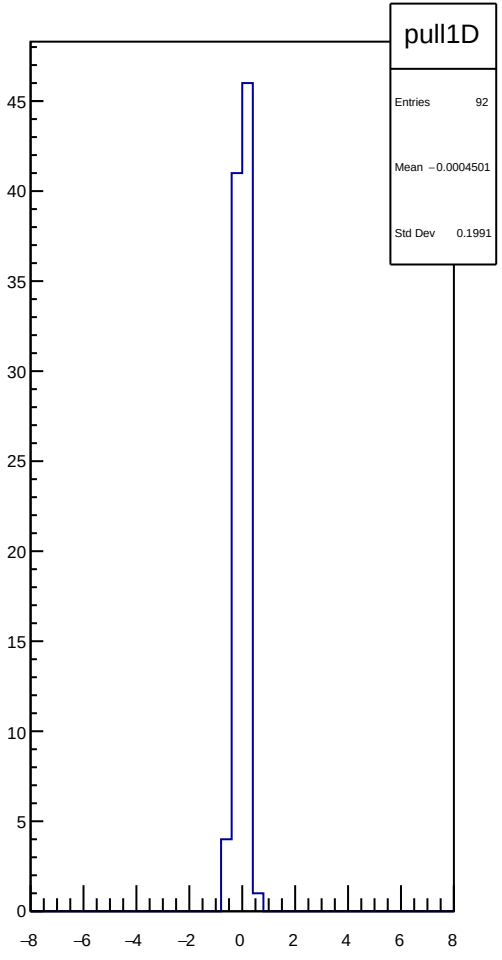

pull1D
Entries 92
Mean 0.03088
Std Dev 0.4943

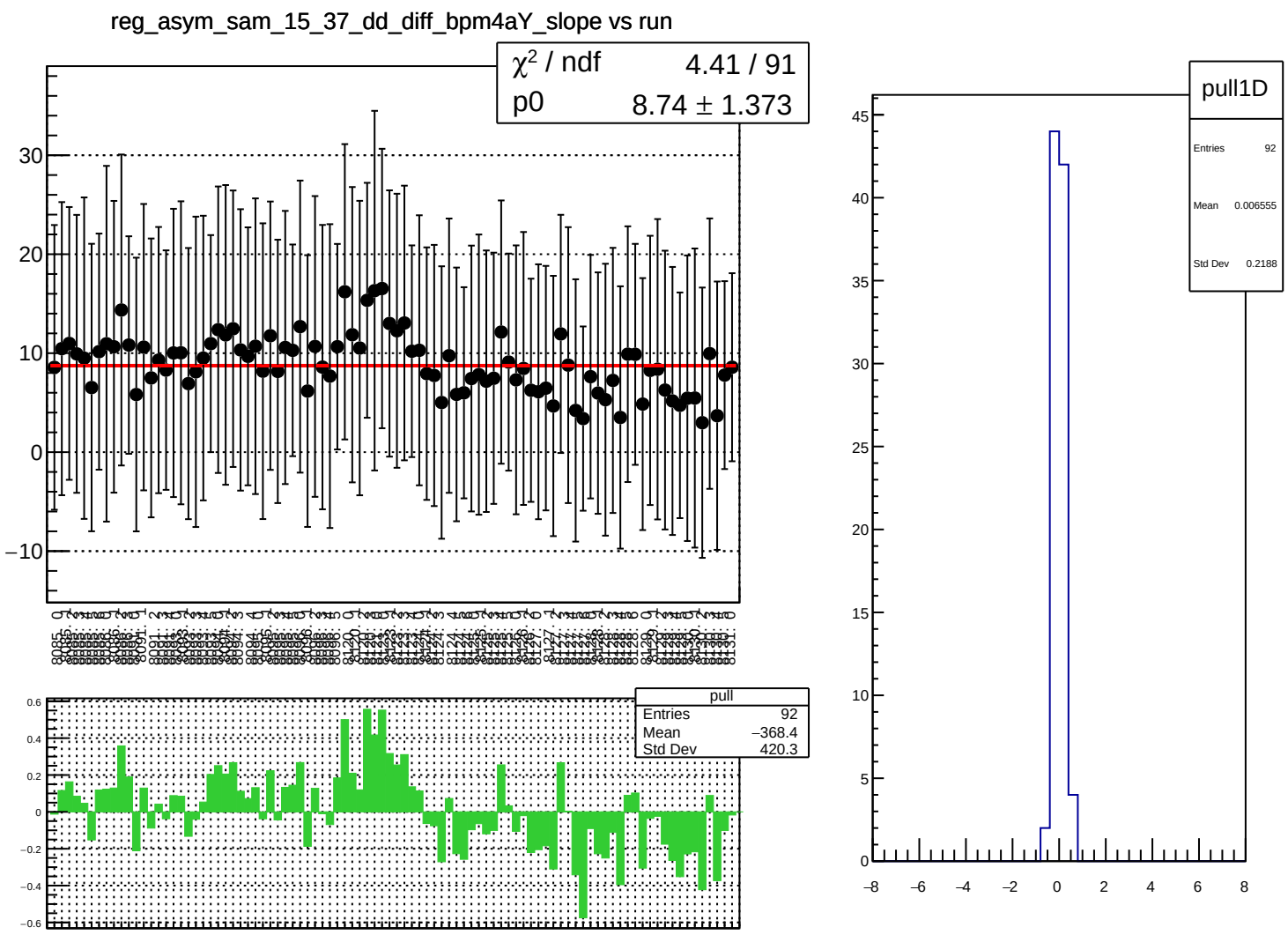

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.661 / 91
p0 −9.534 ± 0.6519
pull
Entries 92
Mean −473.2
Std Dev 518.4
pull1D
Entries 92
Mean −0.007411
Std Dev 0.1994

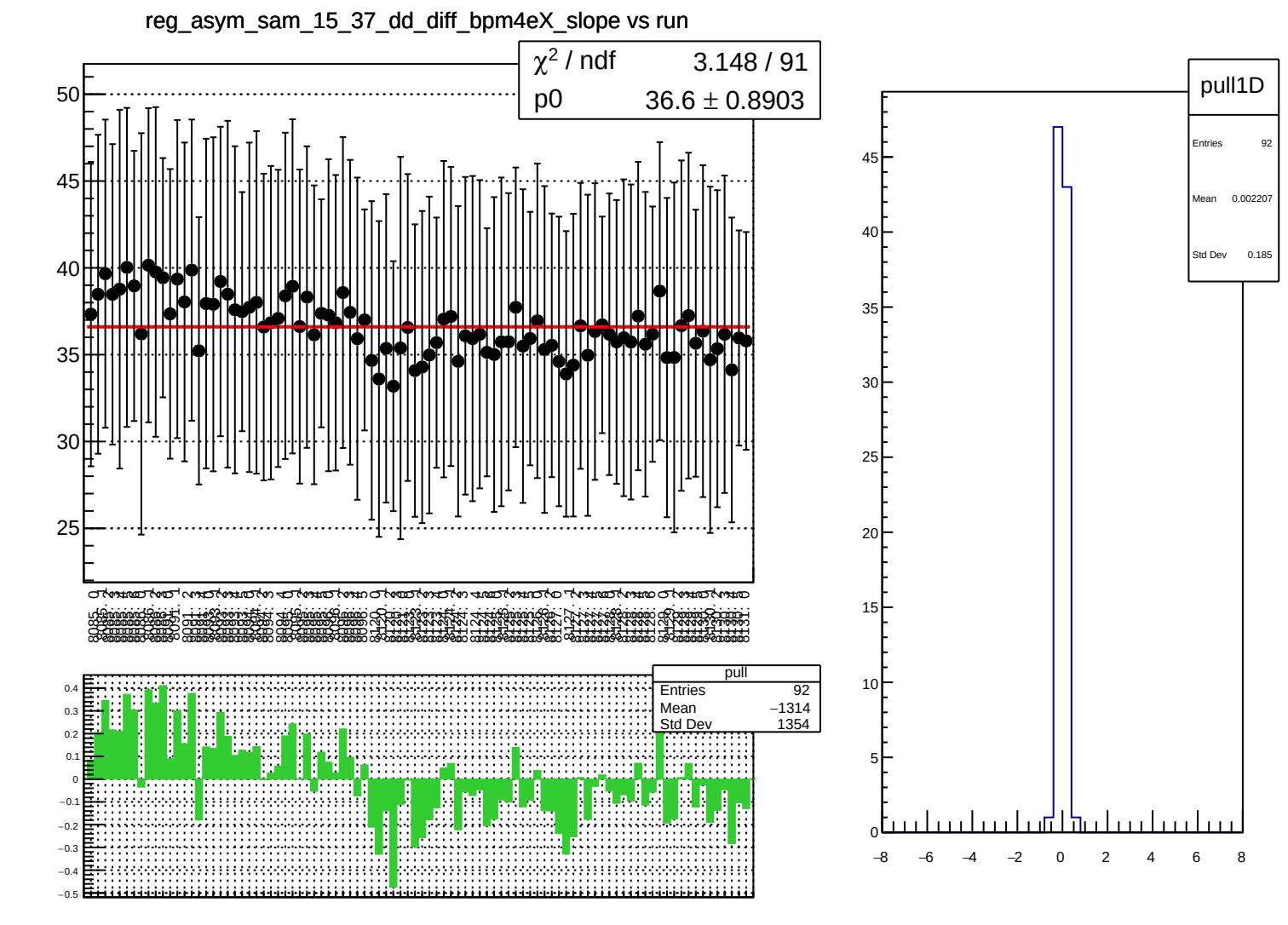

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.46 / 91
p0 4.37 ± 1.072
pull
Entries 92
Mean −188.5
Std Dev 238.8
pull1D
Entries 92
Mean −0.03223
Std Dev 0.5146

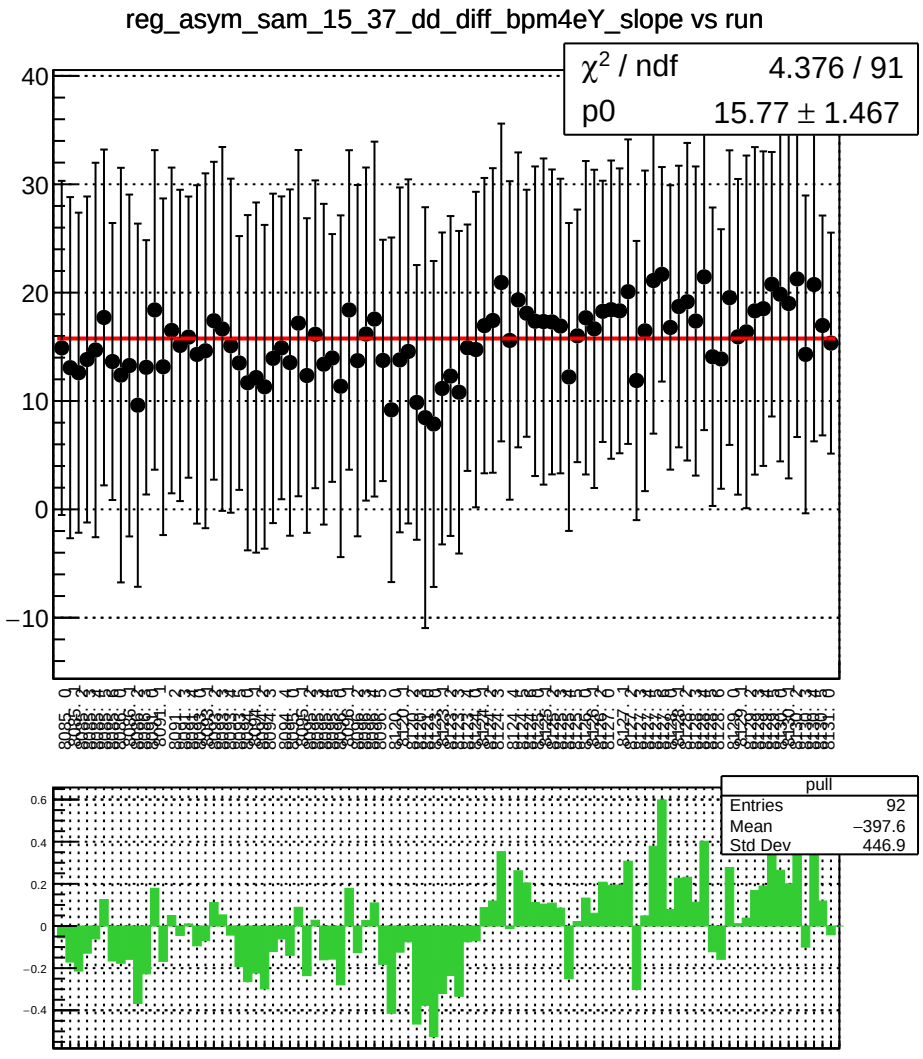

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 11.37 / 91
p0 0.261 ± 0.04092
pull
Entries 92
Mean −172.2
Std Dev 241.5
pull1D
Entries 92
Mean −0.006832
Std Dev 0.3515

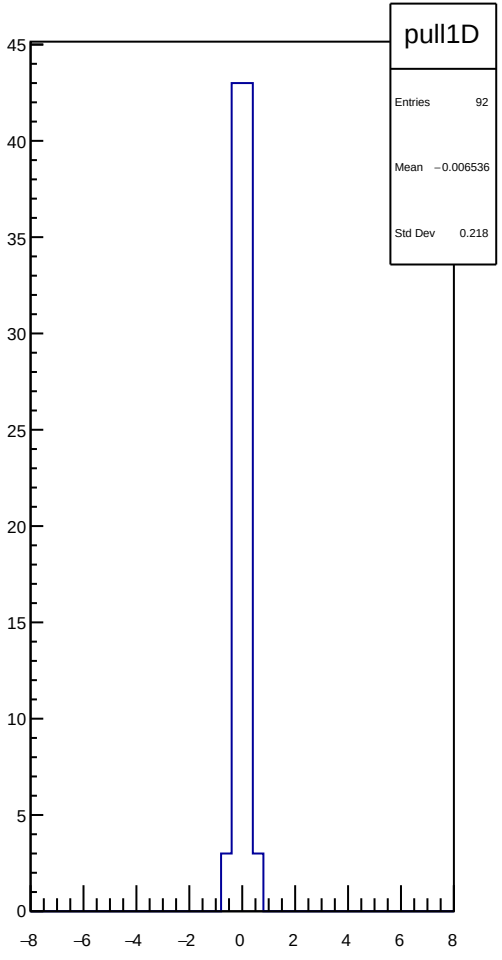

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.646 / 91
p0 7.15 ± 0.9371
pull
Entries 92
Mean −7618
Std Dev 7658

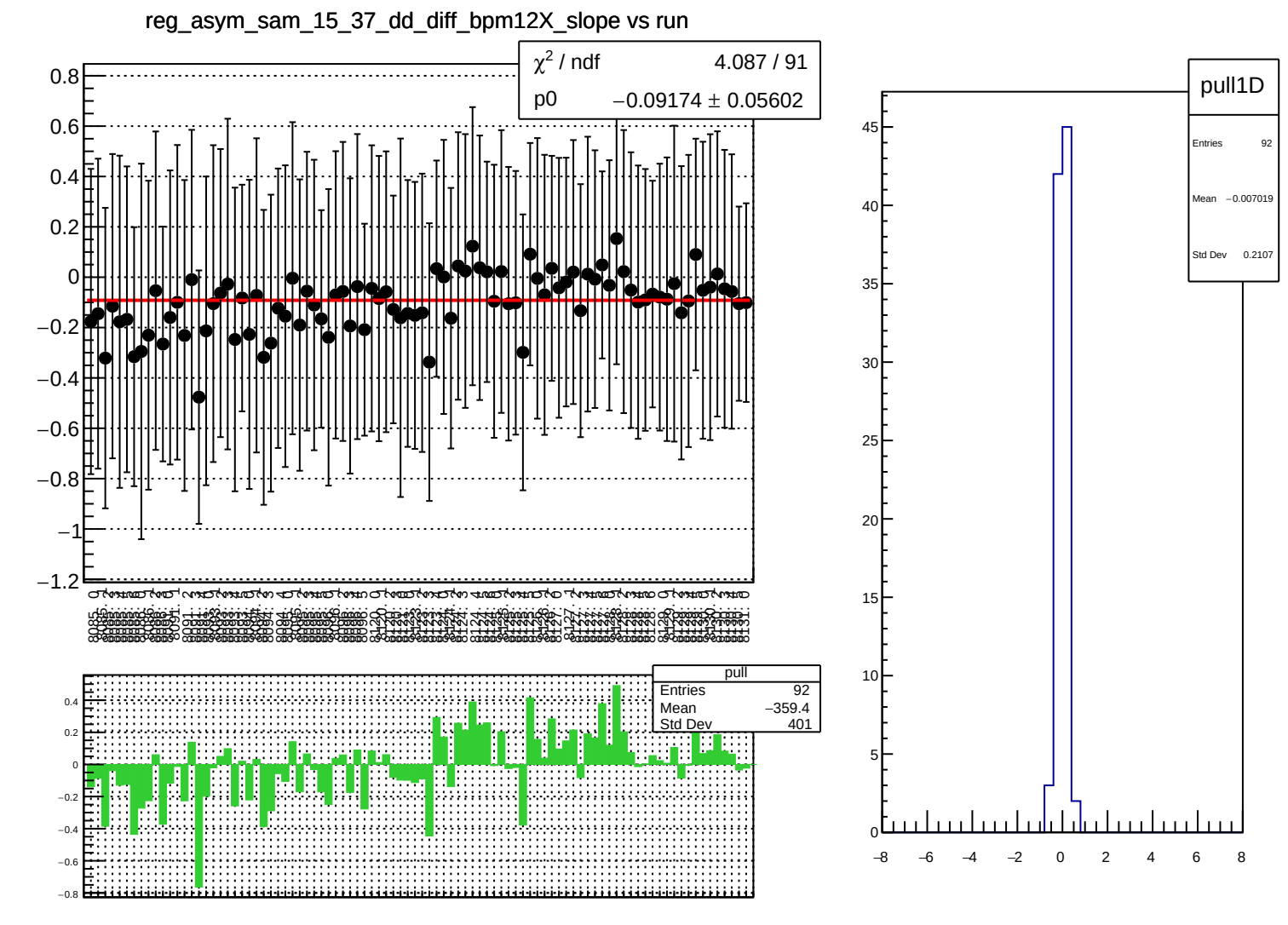

pull1D
Entries 92
Mean −0.0004501
Std Dev 0.1991

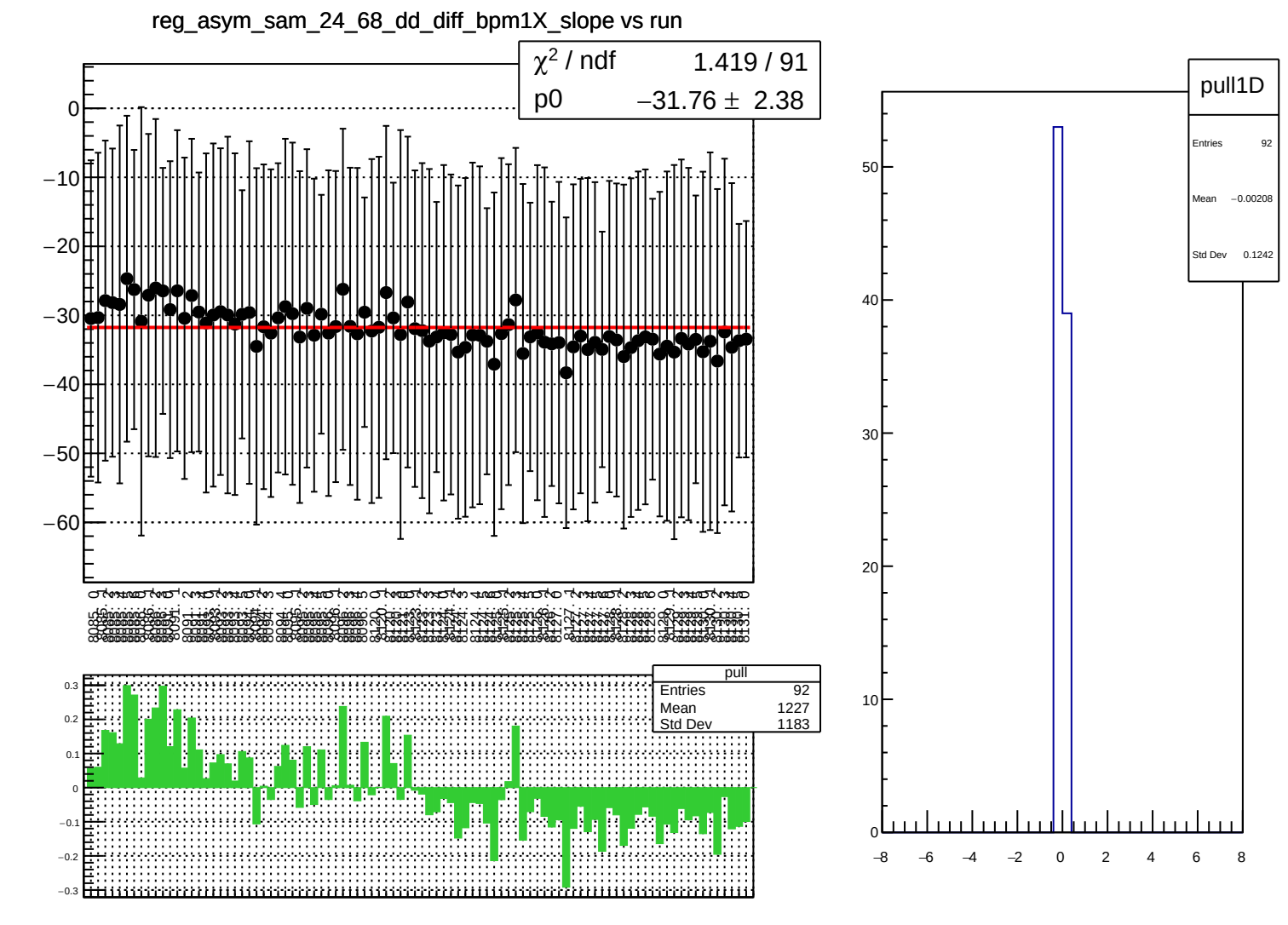

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.41 / 91
p0 8.74 ± 1.373
pull
Entries 92
Mean −368.4
Std Dev 420.3
pull1D
Entries 92
Mean 0.006555
Std Dev 0.2188

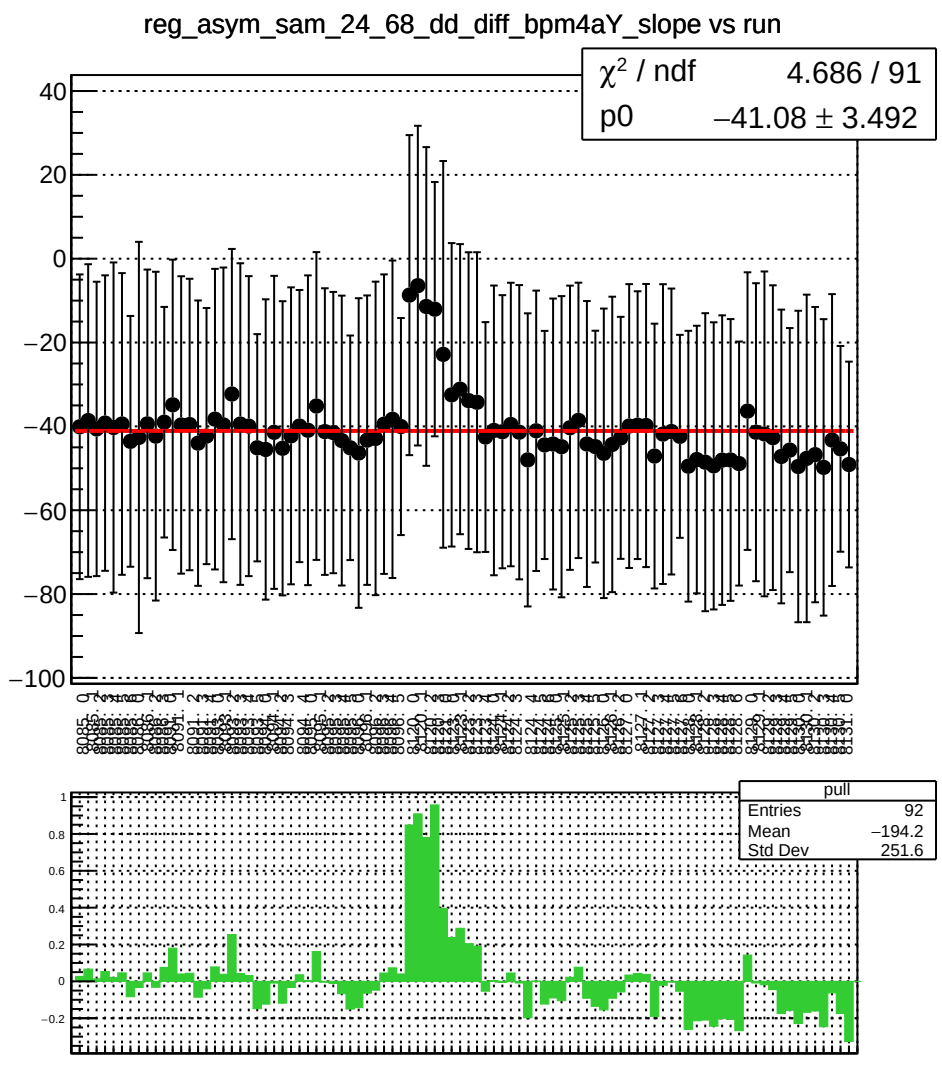

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.148 / 91
p0 36.6 ± 0.8903
pull
Entries 92
Mean −1314
Std Dev 1354
pull1D
Entries 92
Mean 0.002207
Std Dev 0.185

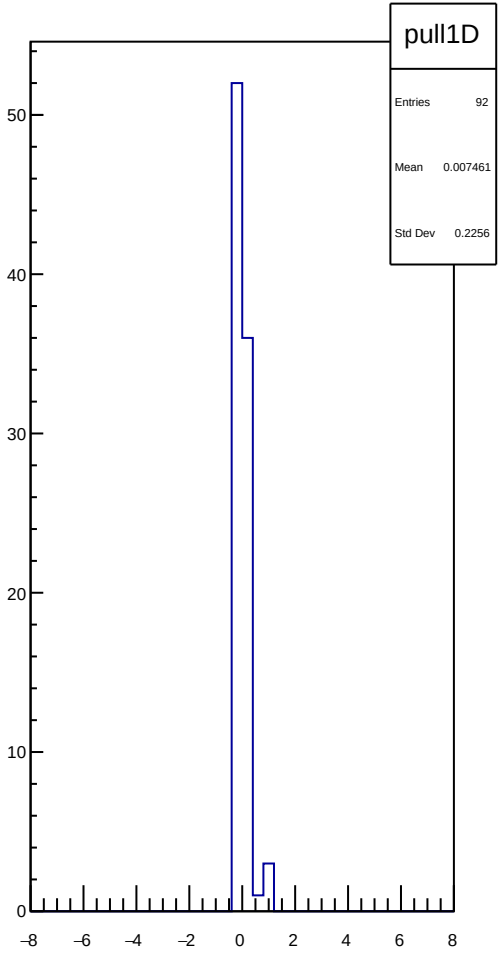

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.376 / 91
p0 15.77 ± 1.467
pull
Entries 92
Mean −397.6
Std Dev 446.9

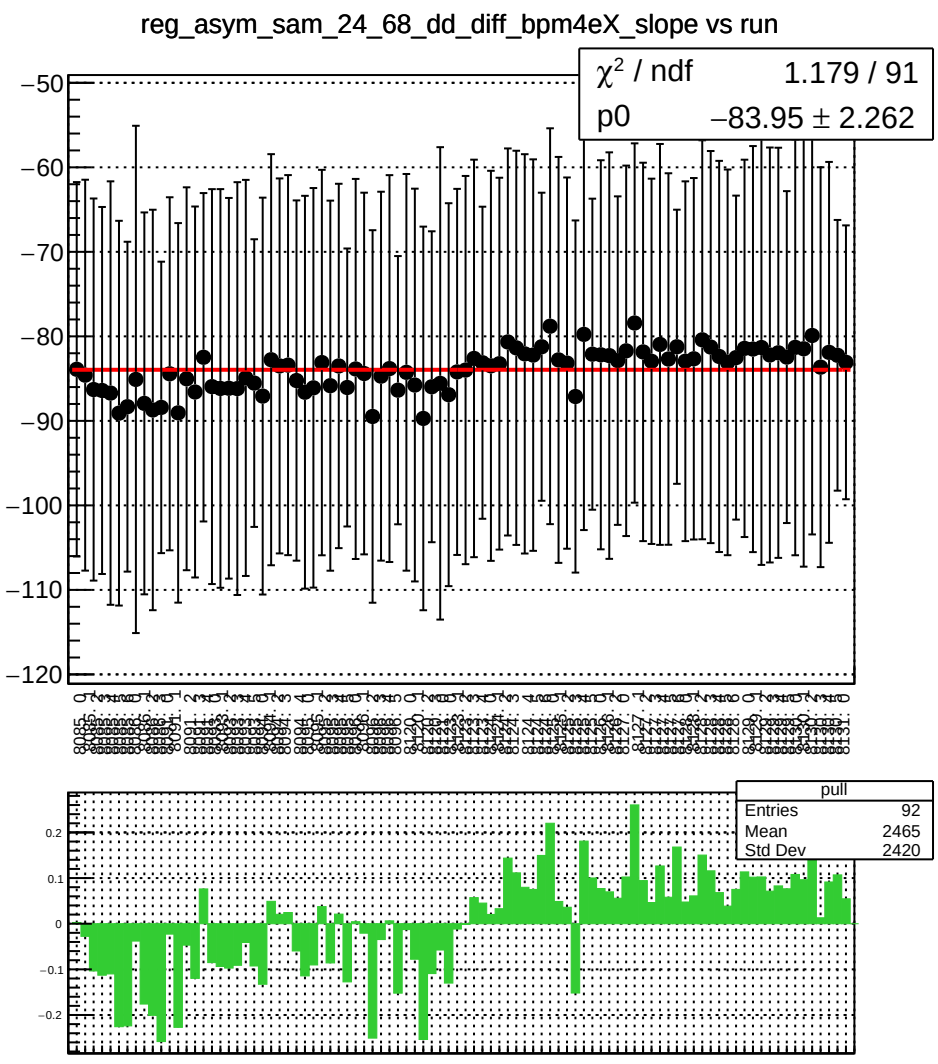

pull1D
Entries 92
Mean −0.006536
Std Dev 0.218

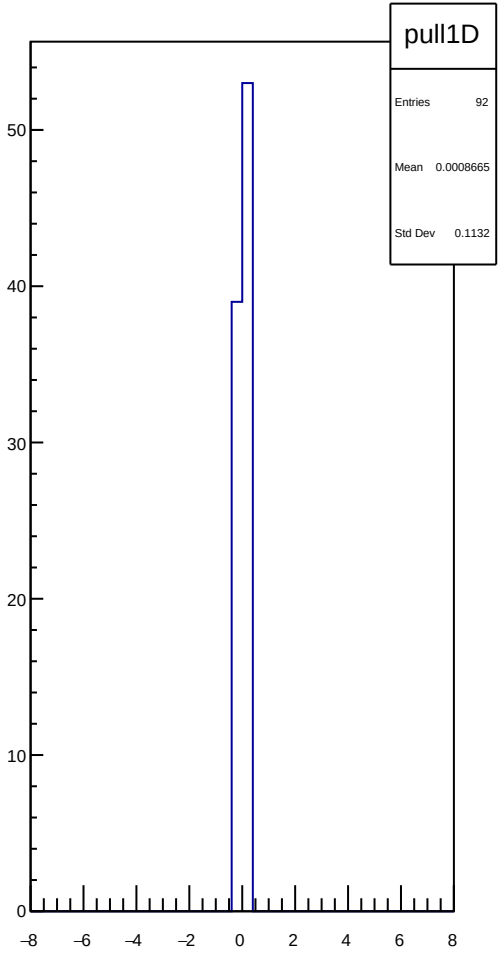

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.087 / 91
p0 −0.09174 ± 0.05602
pull
Entries 92
Mean −359.4
Std Dev 401
pull1D
Entries 92
Mean −0.007019
Std Dev 0.2107

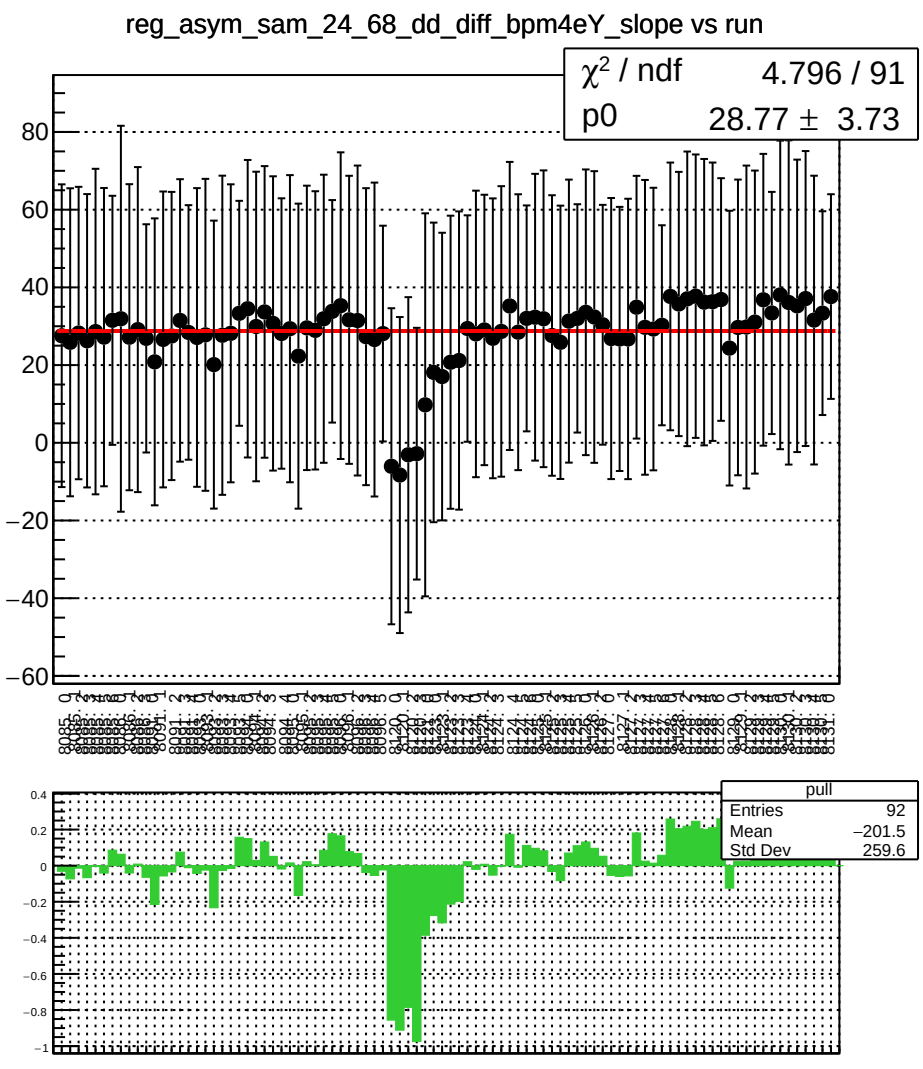

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.419 / 91
p0 −31.76 ± 2.38
pull
Entries 92
Mean 1227
Std Dev 1183
pull1D
Entries 92
Mean −0.00208
Std Dev 0.1242

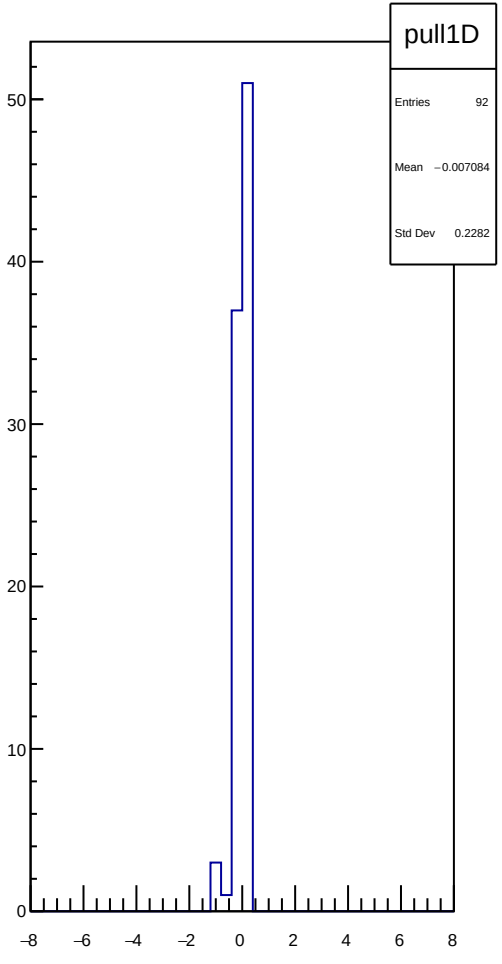

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.686 / 91
p0 −41.08 ± 3.492
pull
Entries 92
Mean −194.2
Std Dev 251.6

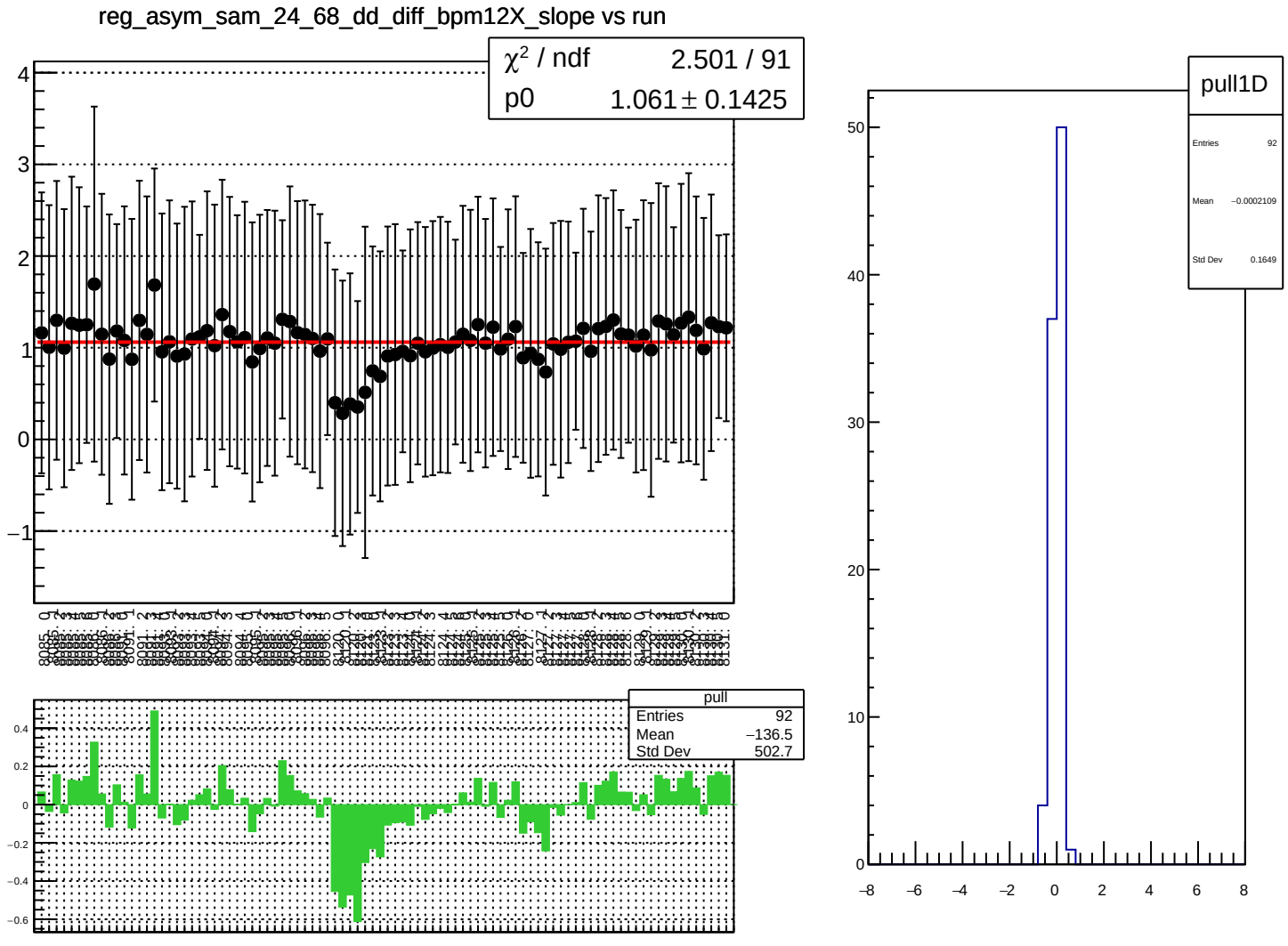

pull1D
Entries 92
Mean 0.007461
Std Dev 0.2256

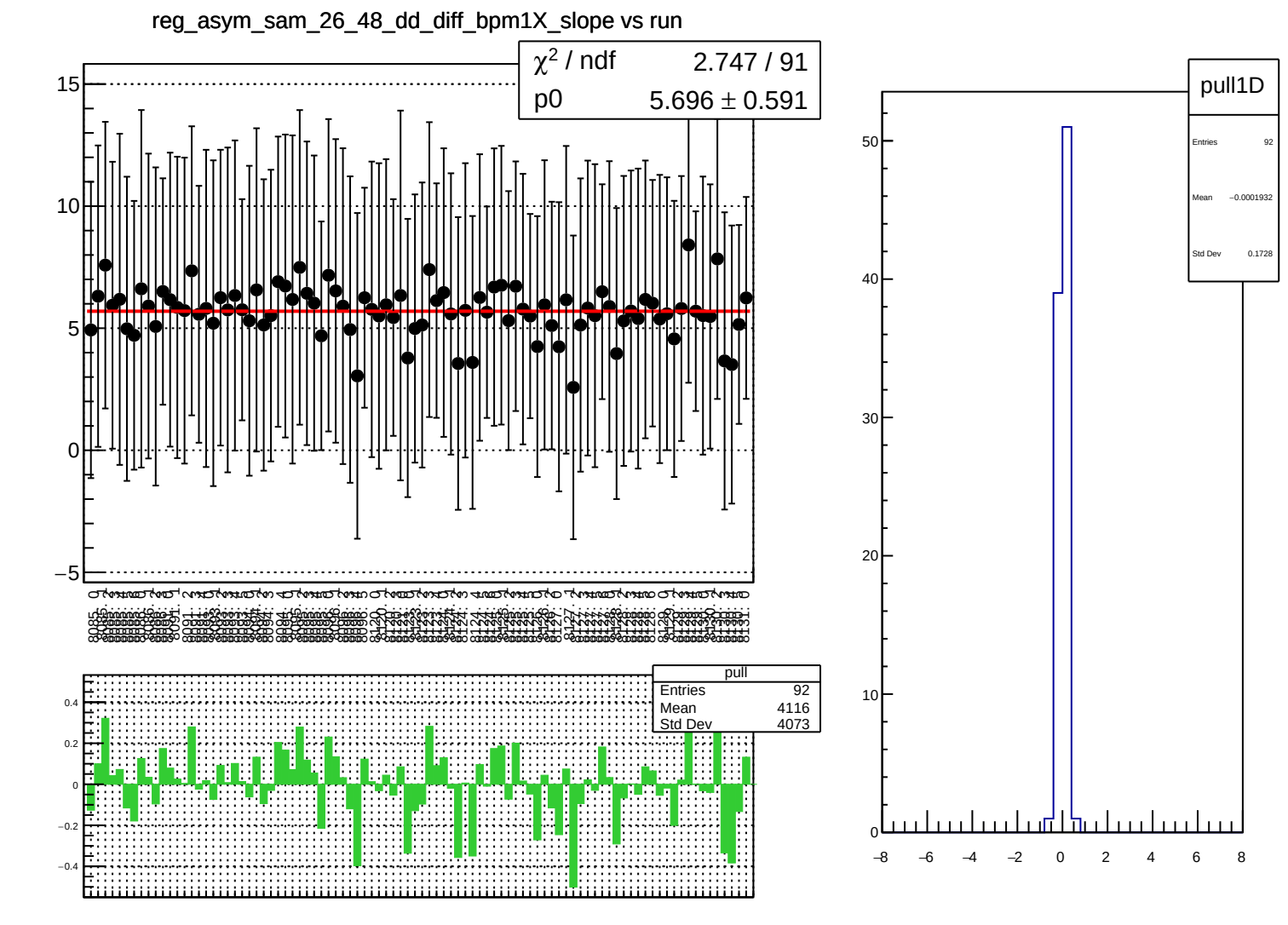

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.179 / 91
p0 −83.95 ± 2.262
pull
Entries 92
Mean 2465
Std Dev 2420

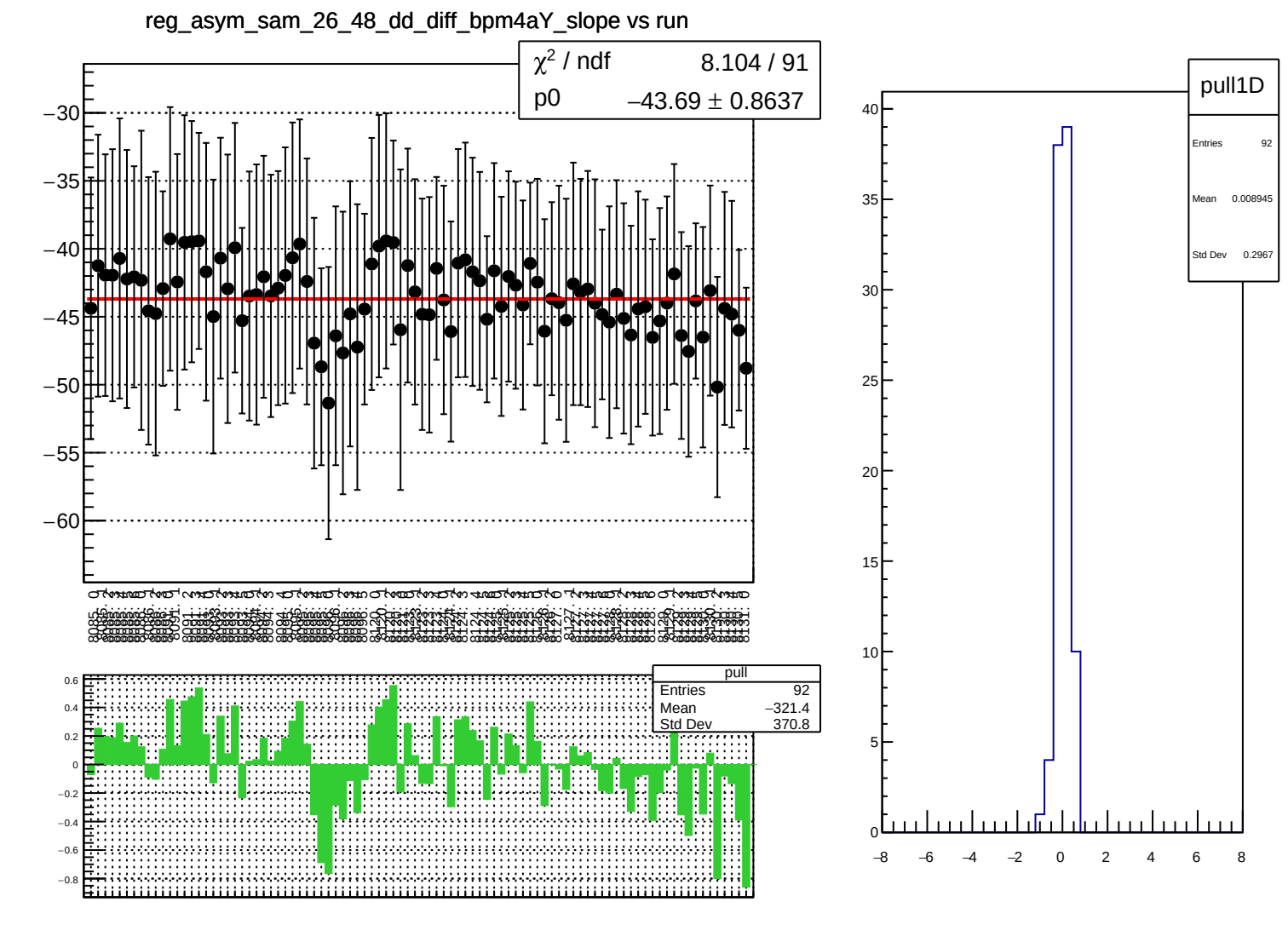

pull1D
Entries 92
Mean 0.0008665
Std Dev 0.1132

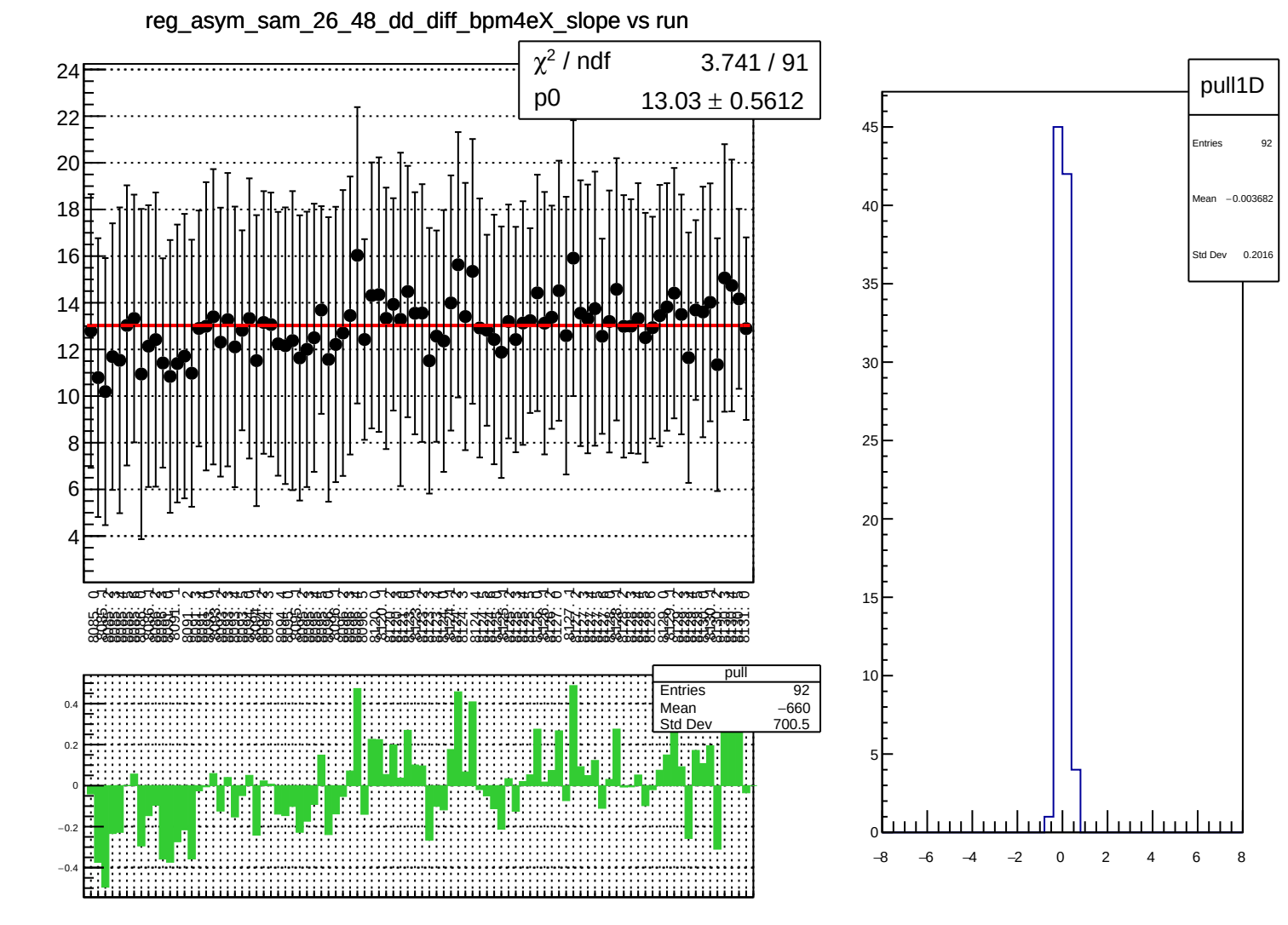

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.796 / 91
p0 28.77 ± 3.73
pull
Entries 92
Mean −201.5
Std Dev 259.6

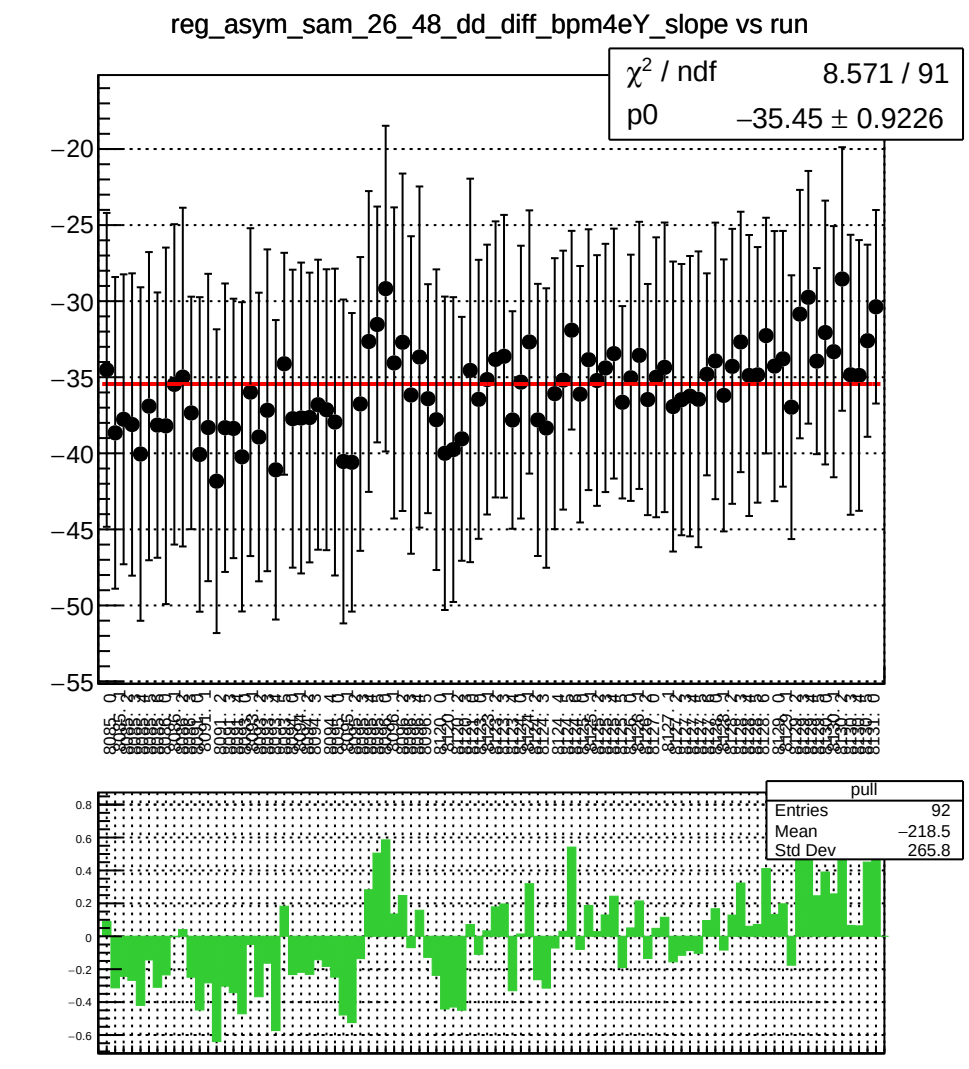

pull1D
Entries 92
Mean −0.007084
Std Dev 0.2282

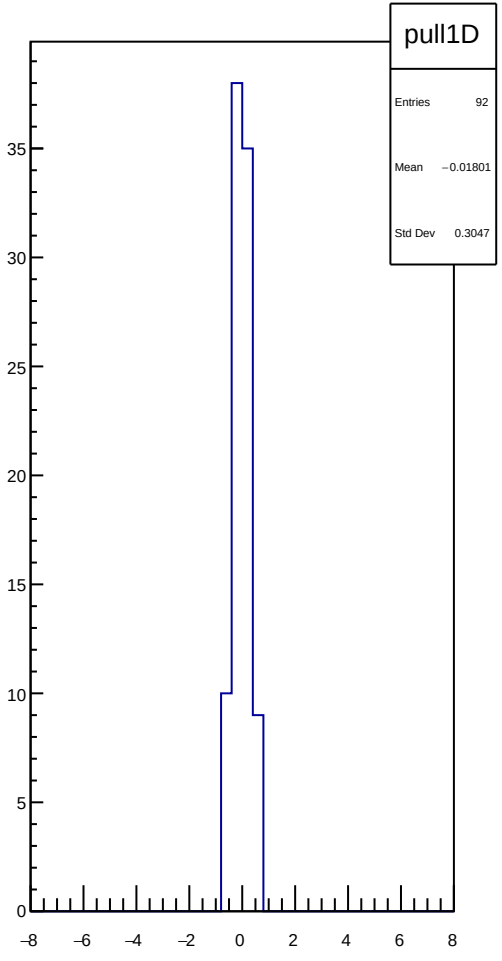

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.501 / 91
p0 1.061 ± 0.1425
pull
Entries 92
Mean −136.5
Std Dev 502.7
pull1D
Entries 92
Mean −0.0002109
Std Dev 0.1649

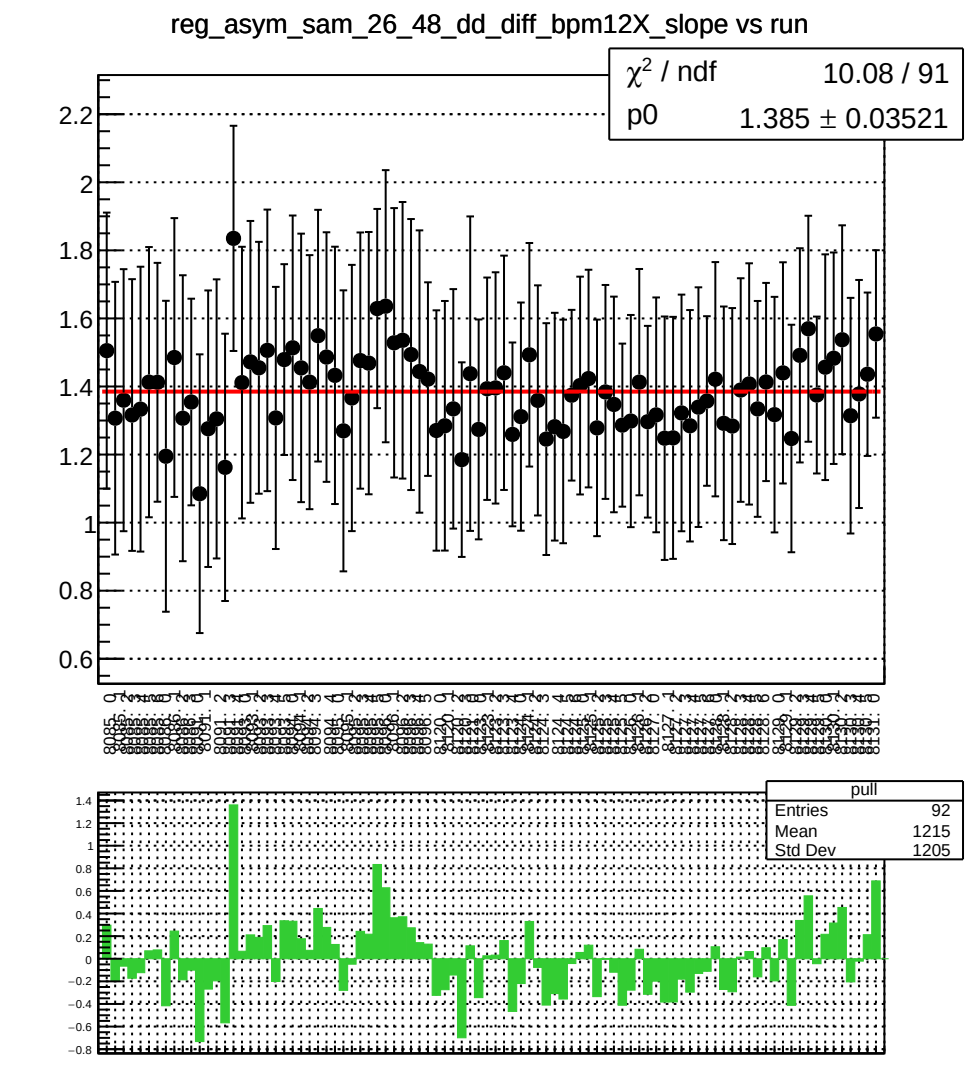

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.747 / 91
p0 5.696 ± 0.591
pull
Entries 92
Mean 4116
Std Dev 4073
pull1D
Entries 92
Mean −0.0001932
Std Dev 0.1728

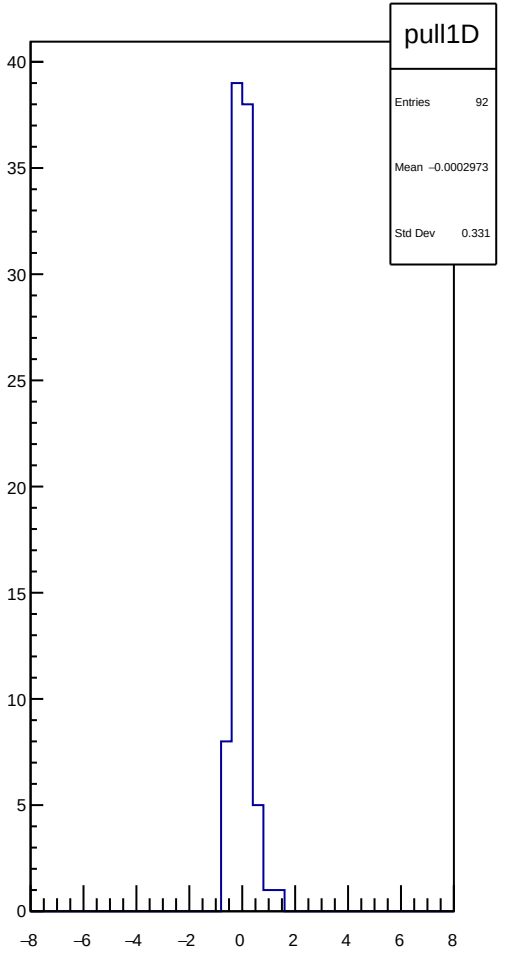

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.104 / 91
p0 −43.69 ± 0.8637
pull
Entries 92
Mean −321.4
Std Dev 370.8
pull1D
Entries 92
Mean 0.008945
Std Dev 0.2967

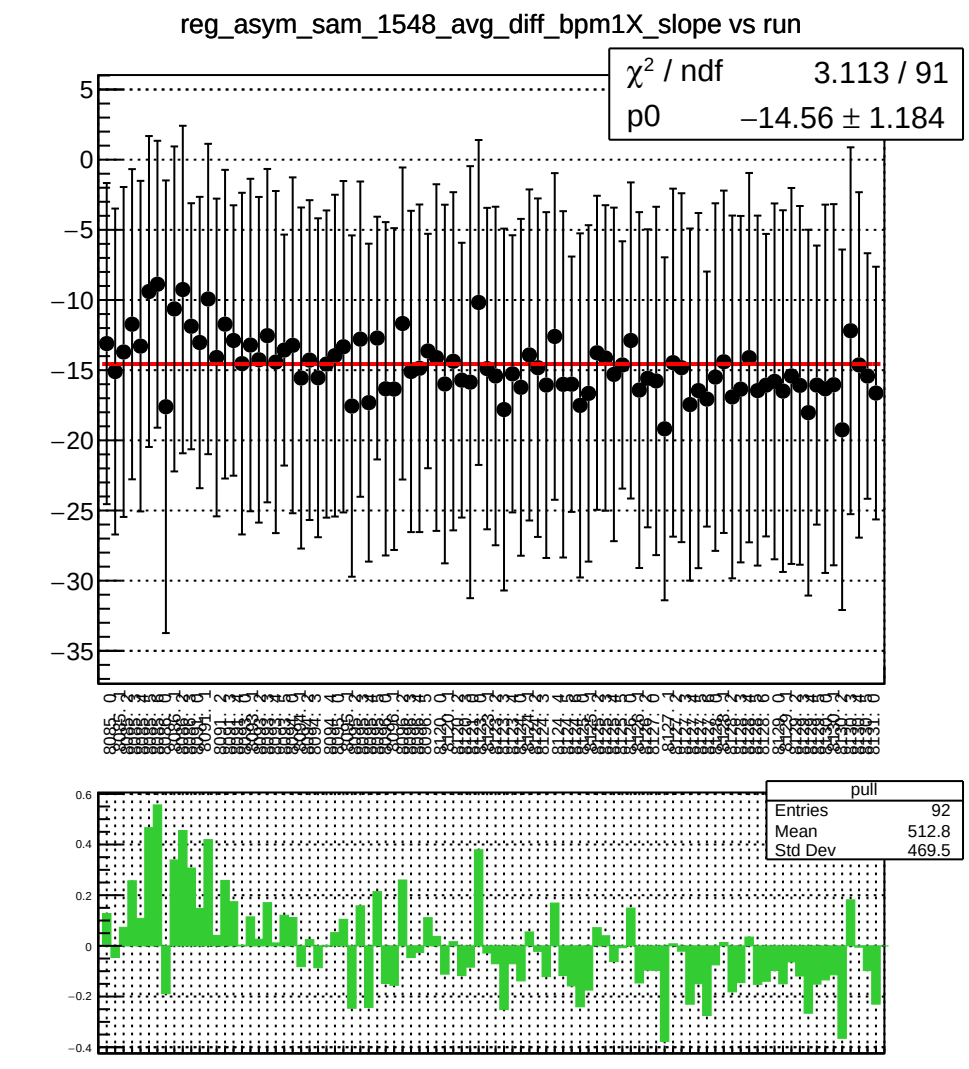

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.741 / 91
p0 13.03 ± 0.5612
pull
Entries 92
Mean −660
Std Dev 700.5
pull1D
Entries 92
Mean −0.003682
Std Dev 0.2016

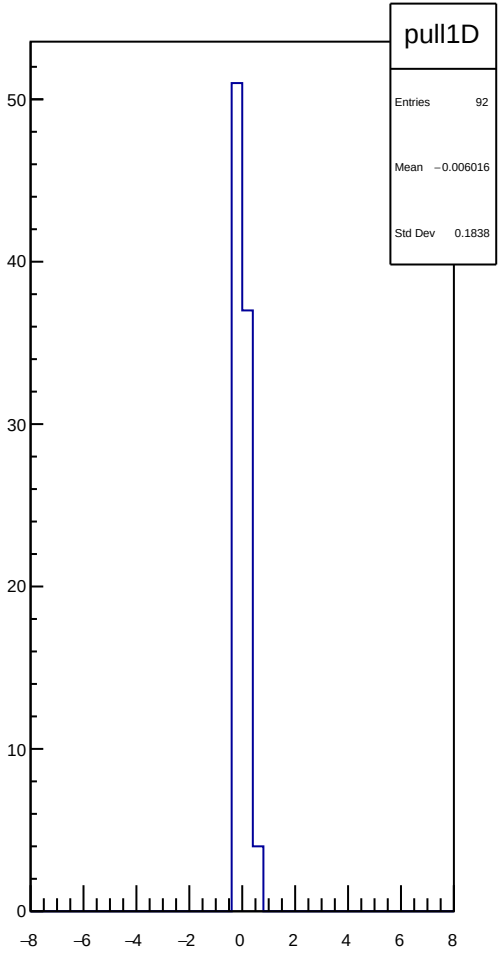

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.571 / 91
p0 −35.45 ± 0.9226
pull
Entries 92
Mean −218.5
Std Dev 265.8

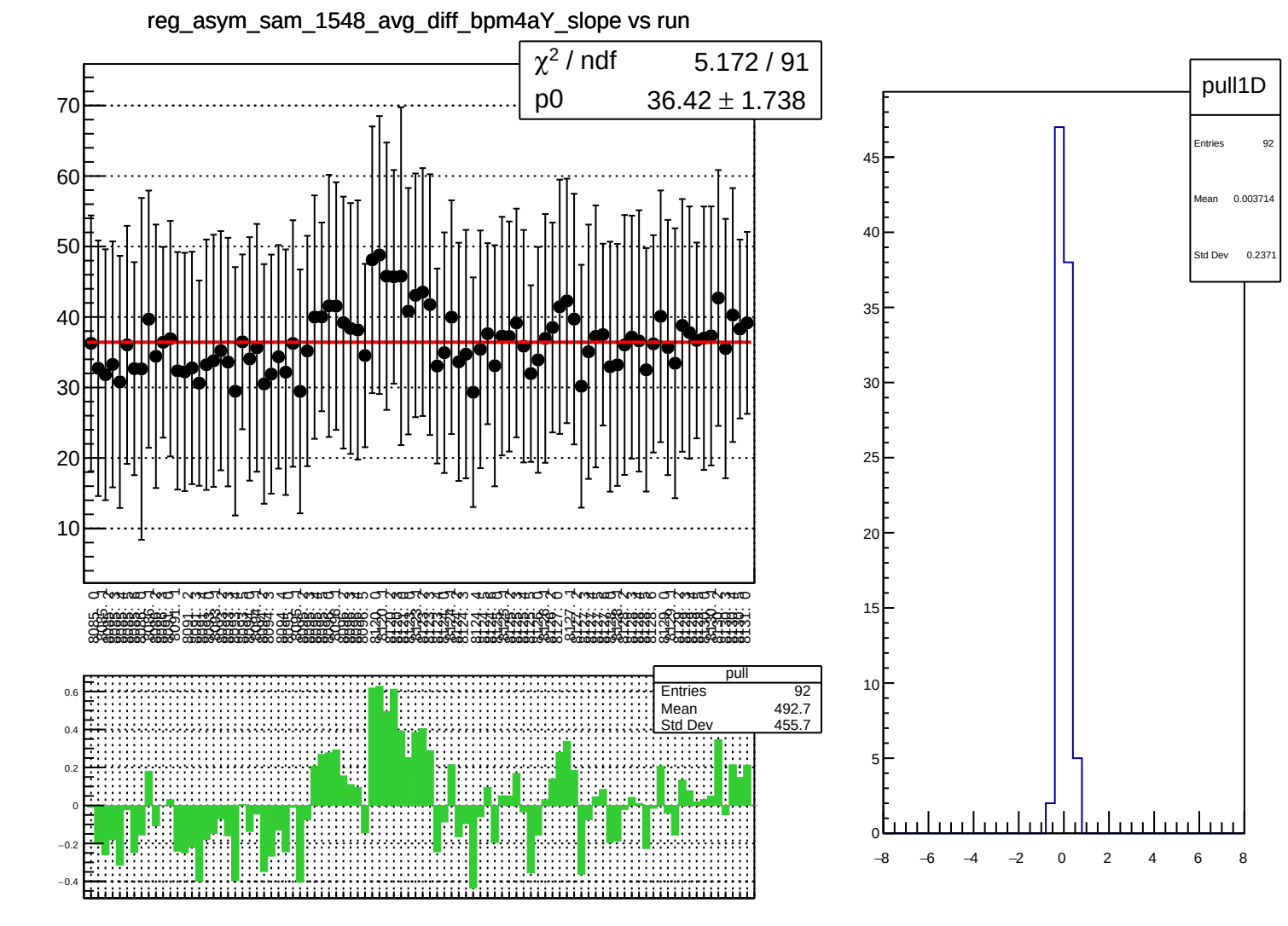

pull1D
Entries 92
Mean −0.01801
Std Dev 0.3047

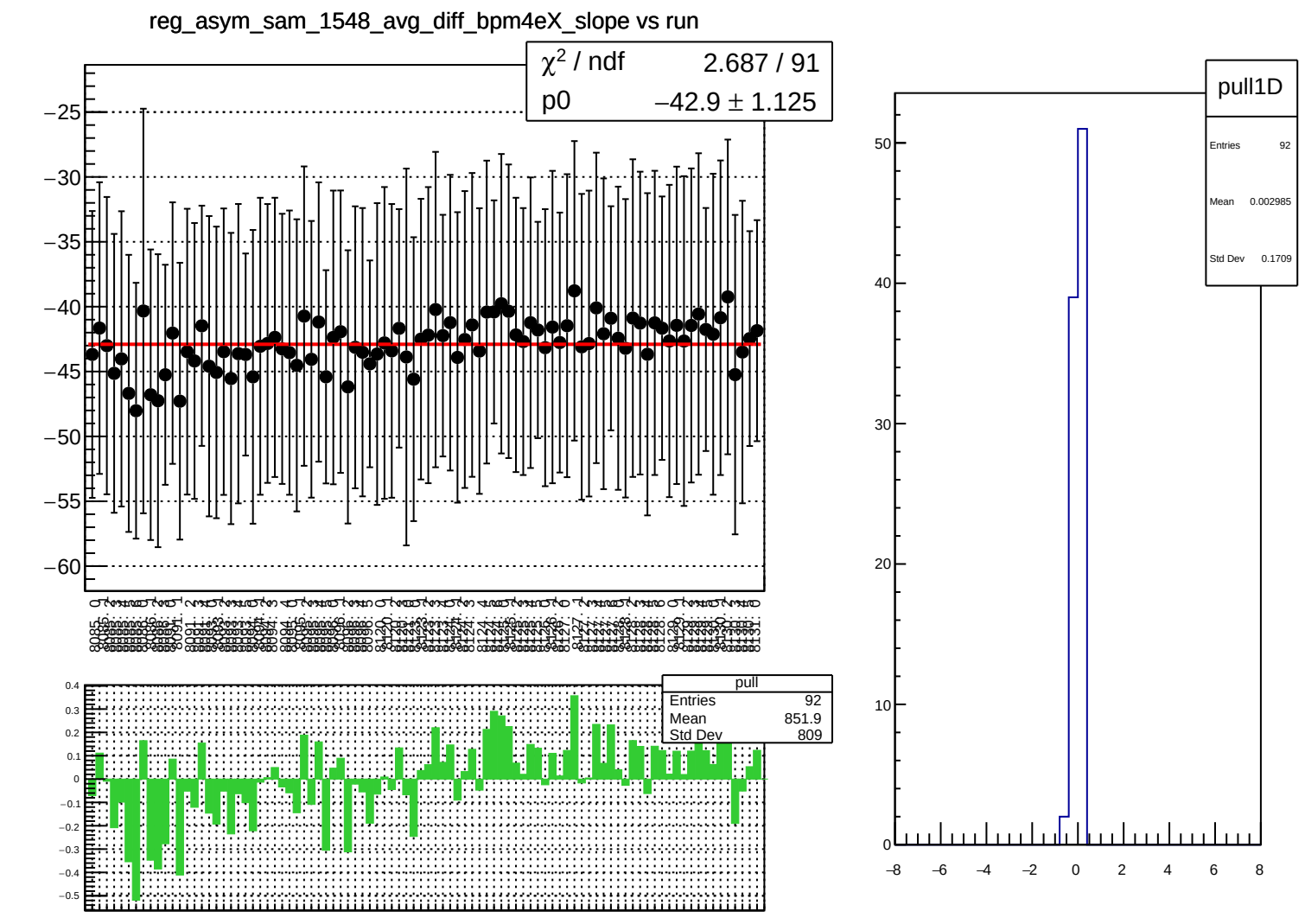

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.08 / 91
p0 1.385 ± 0.03521
pull
Entries 92
Mean 1215
Std Dev 1205

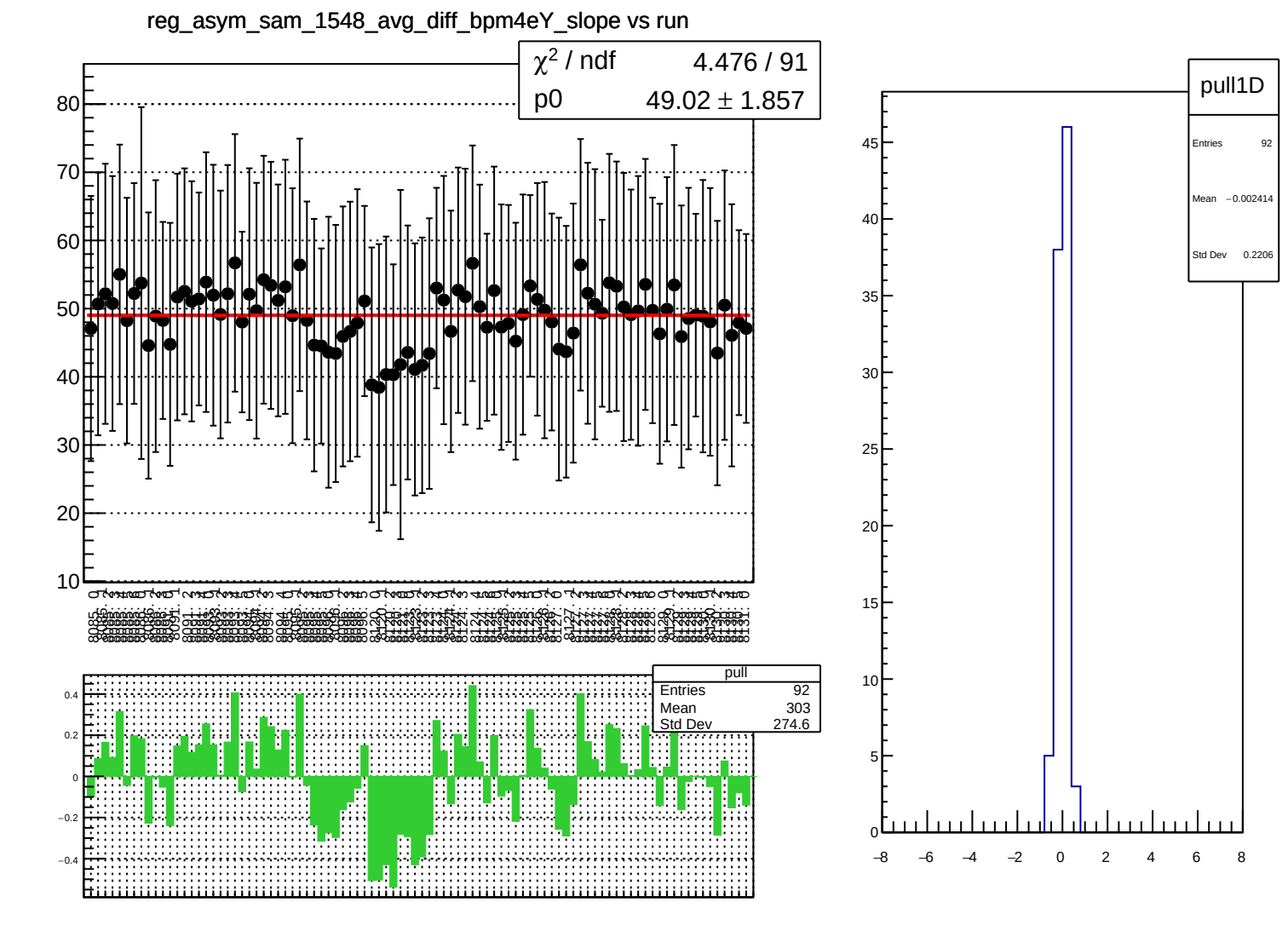

pull1D
Entries 92
Mean −0.0002973
Std Dev 0.331

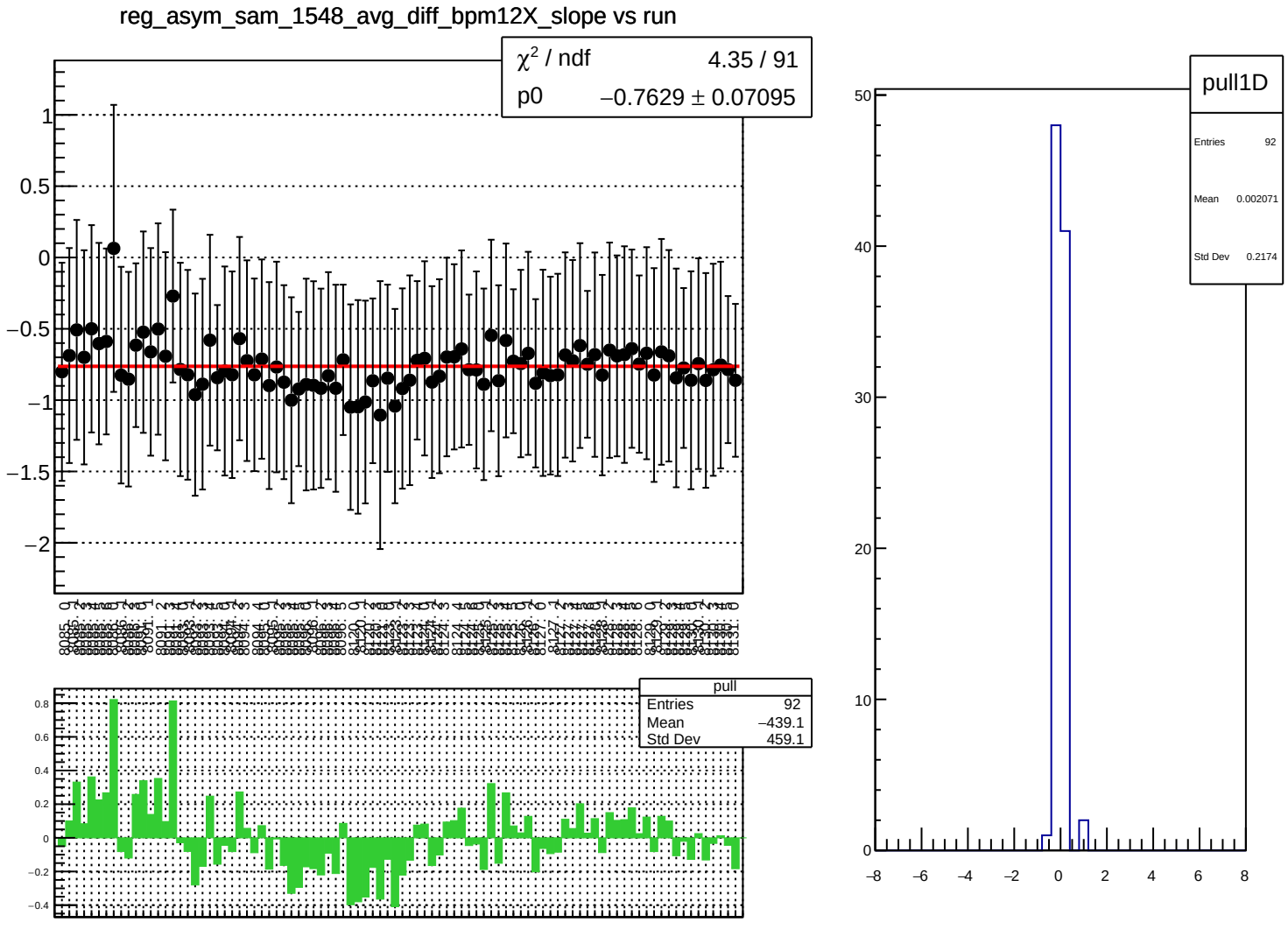

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 3.113 / 91
p0 −14.56 ± 1.184
pull
Entries 92
Mean 512.8
Std Dev 469.5

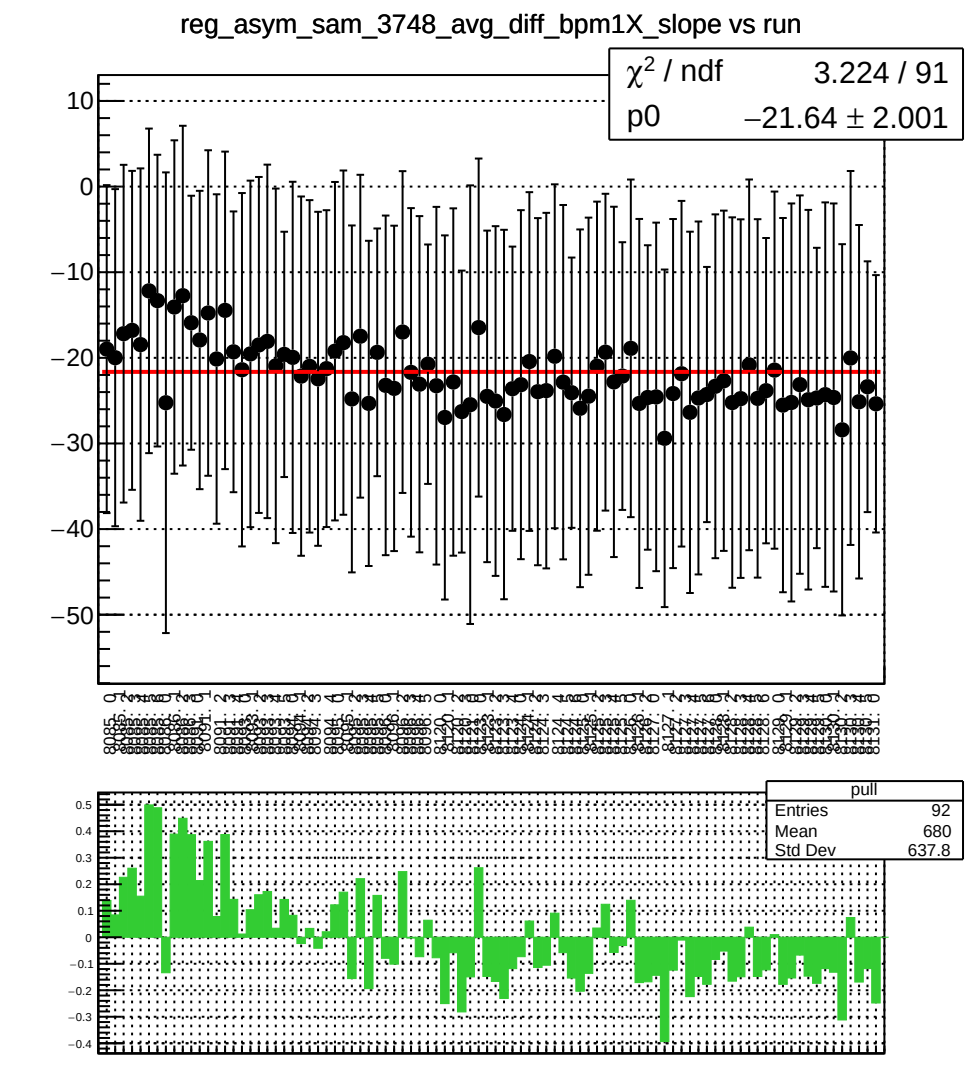

pull1D
Entries 92
Mean −0.006016
Std Dev 0.1838

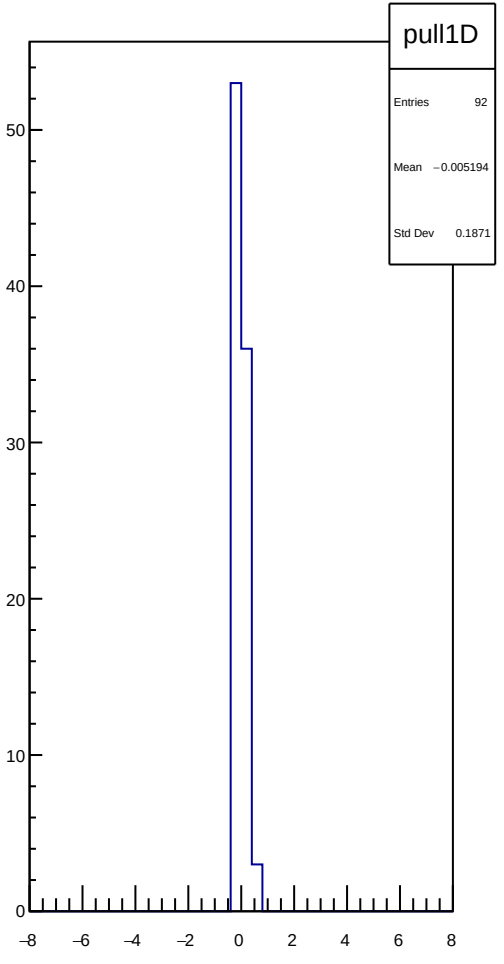

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.172 / 91
p0 36.42 ± 1.738
pull
Entries 92
Mean 492.7
Std Dev 455.7
pull1D
Entries 92
Mean 0.003714
Std Dev 0.2371

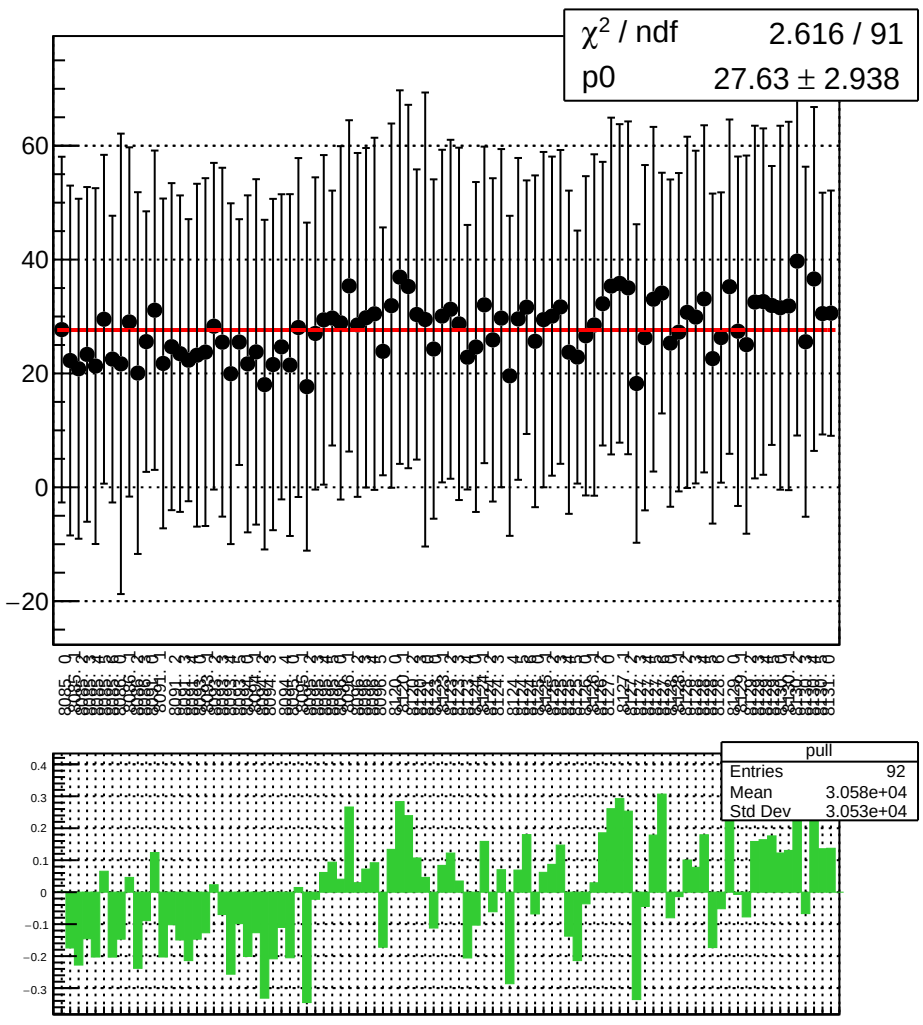

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.687 / 91
p0 −42.9 ± 1.125
pull
Entries 92
Mean 851.9
Std Dev 809
pull1D
Entries 92
Mean 0.002985
Std Dev 0.1709

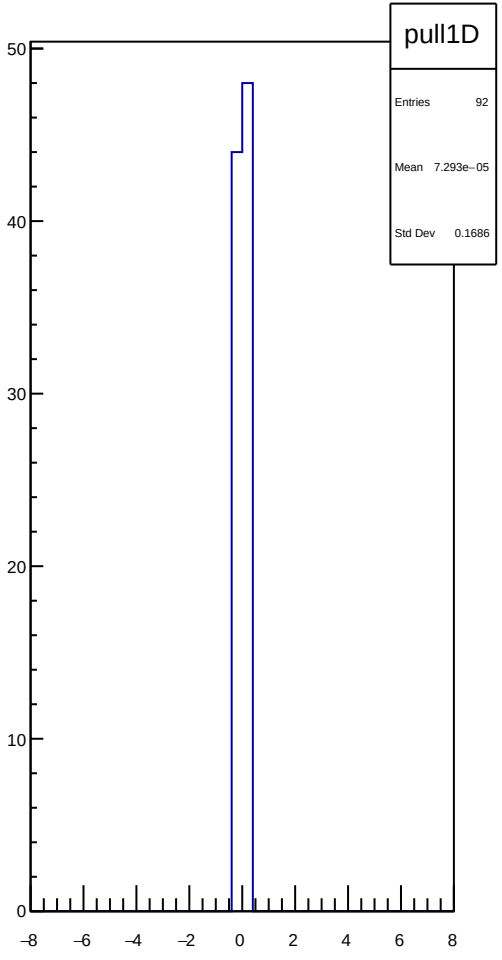

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.476 / 91
p0 49.02 ± 1.857
pull
Entries 92
Mean 303
Std Dev 274.6
pull1D
Entries 92
Mean −0.002414
Std Dev 0.2206

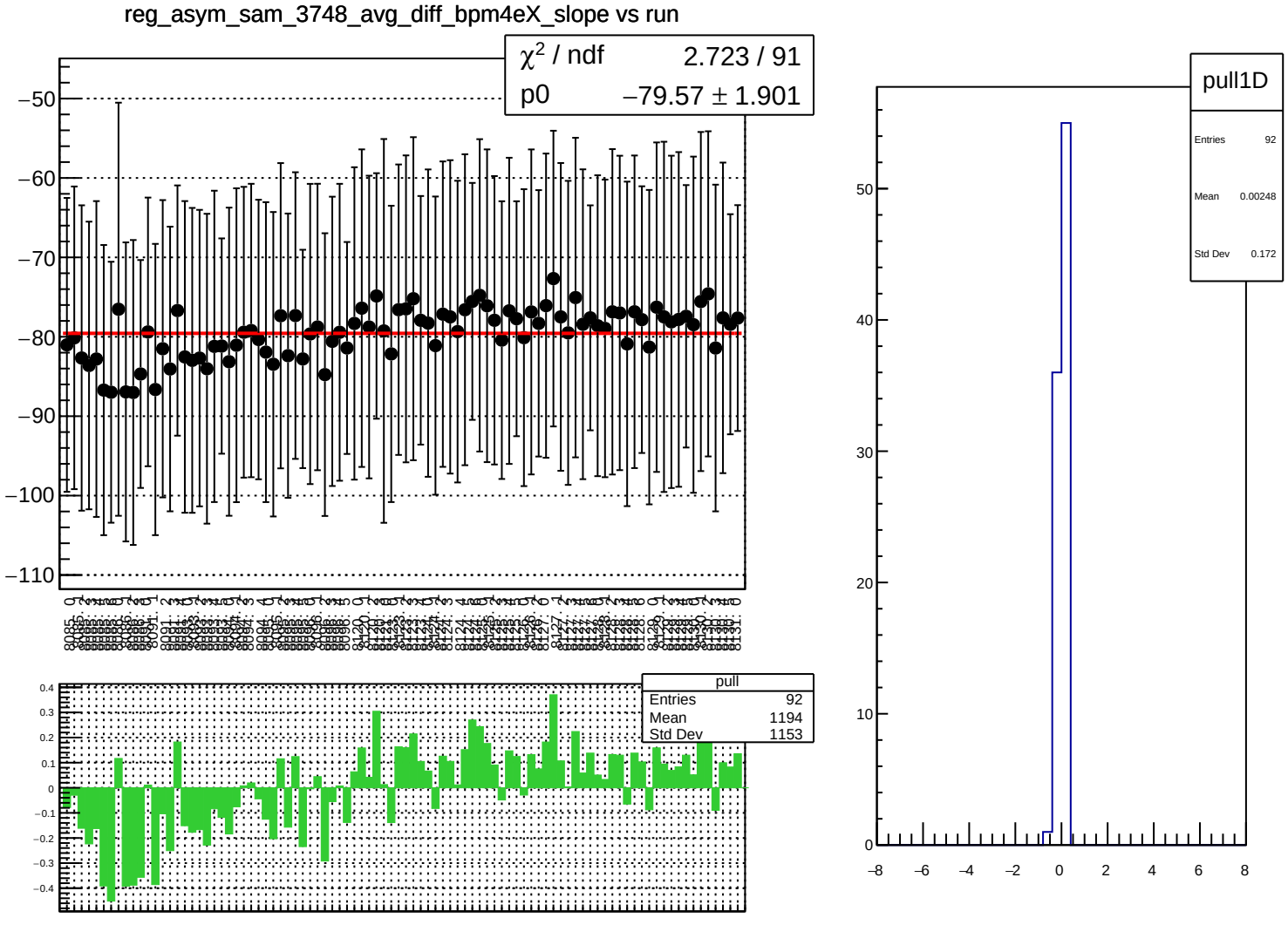

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 4.35 / 91
p0 −0.7629 ± 0.07095
pull
Entries 92
Mean −439.1
Std Dev 459.1
pull1D
Entries 92
Mean 0.002071
Std Dev 0.2174

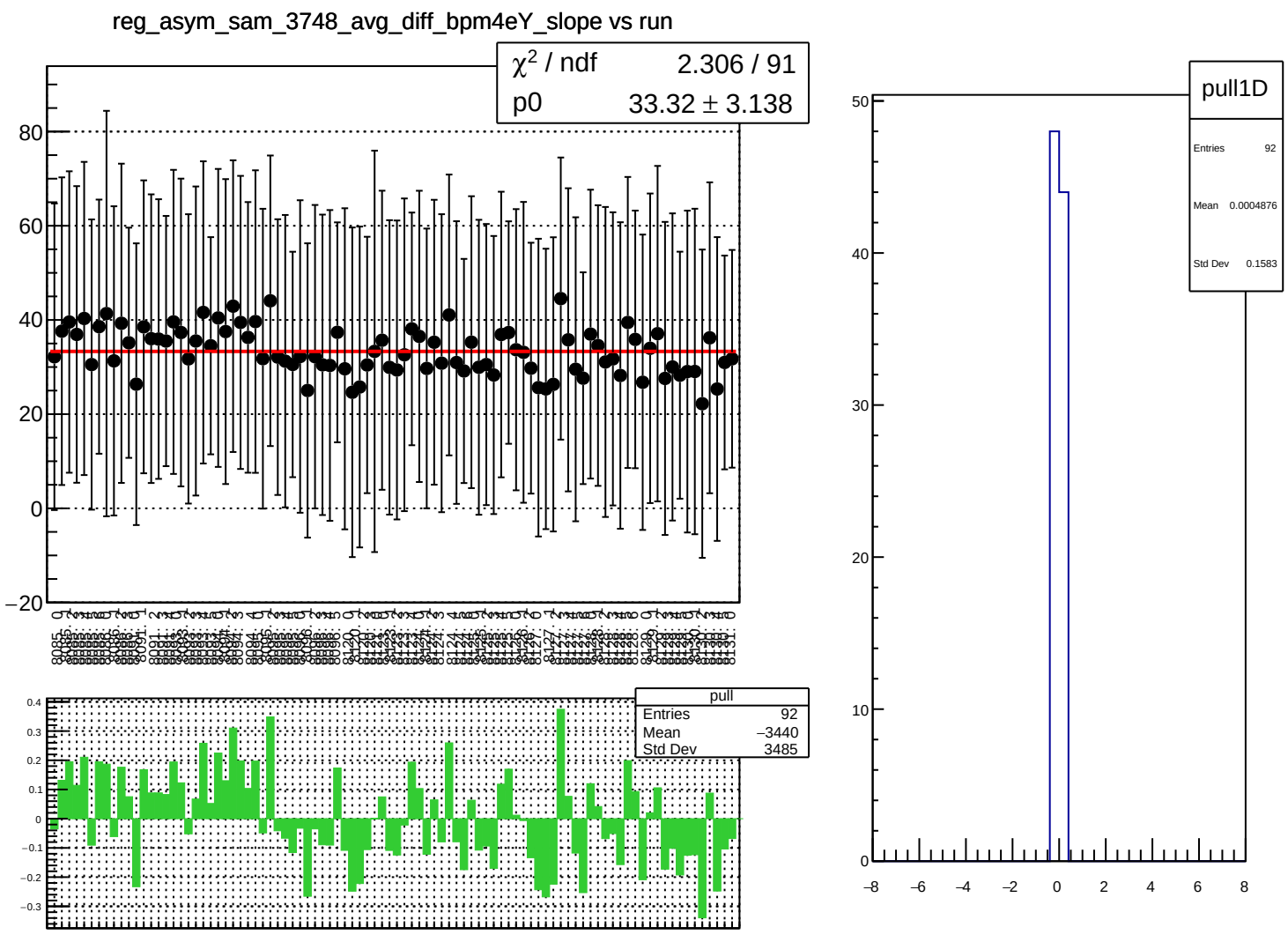

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 3.224 / 91
p0 −21.64 ± 2.001
pull
Entries 92
Mean 680
Std Dev 637.8

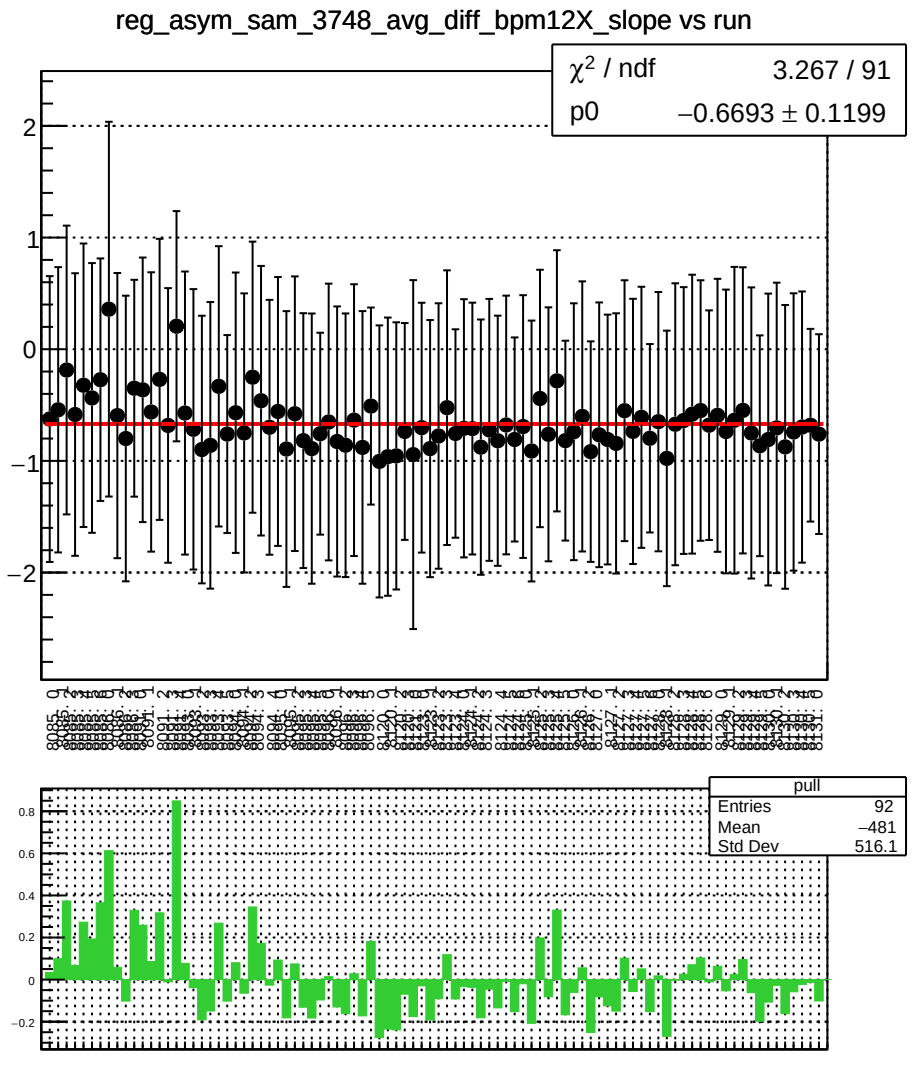

pull1D
Entries 92
Mean −0.005194
Std Dev 0.1871

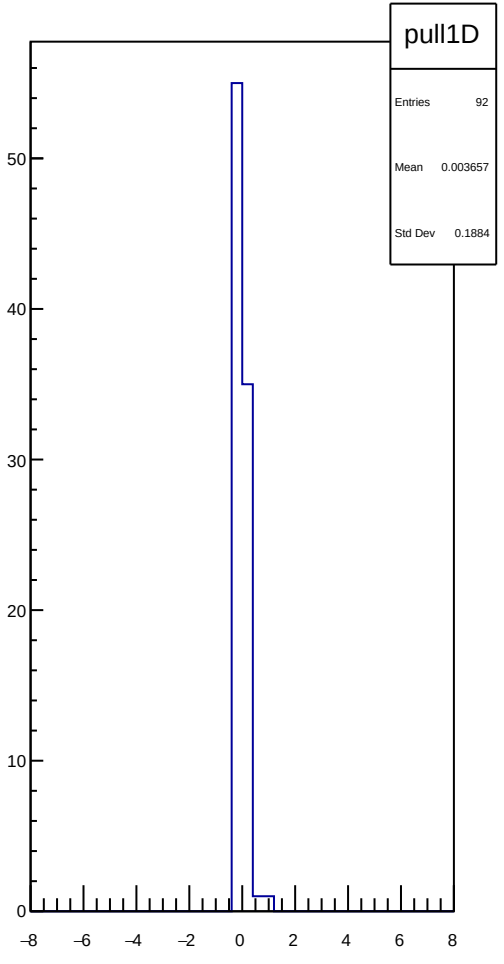

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.616 / 91
p0 27.63 ± 2.938
pull
Entries 92
Mean 3.058e+04
Std Dev 3.053e+04

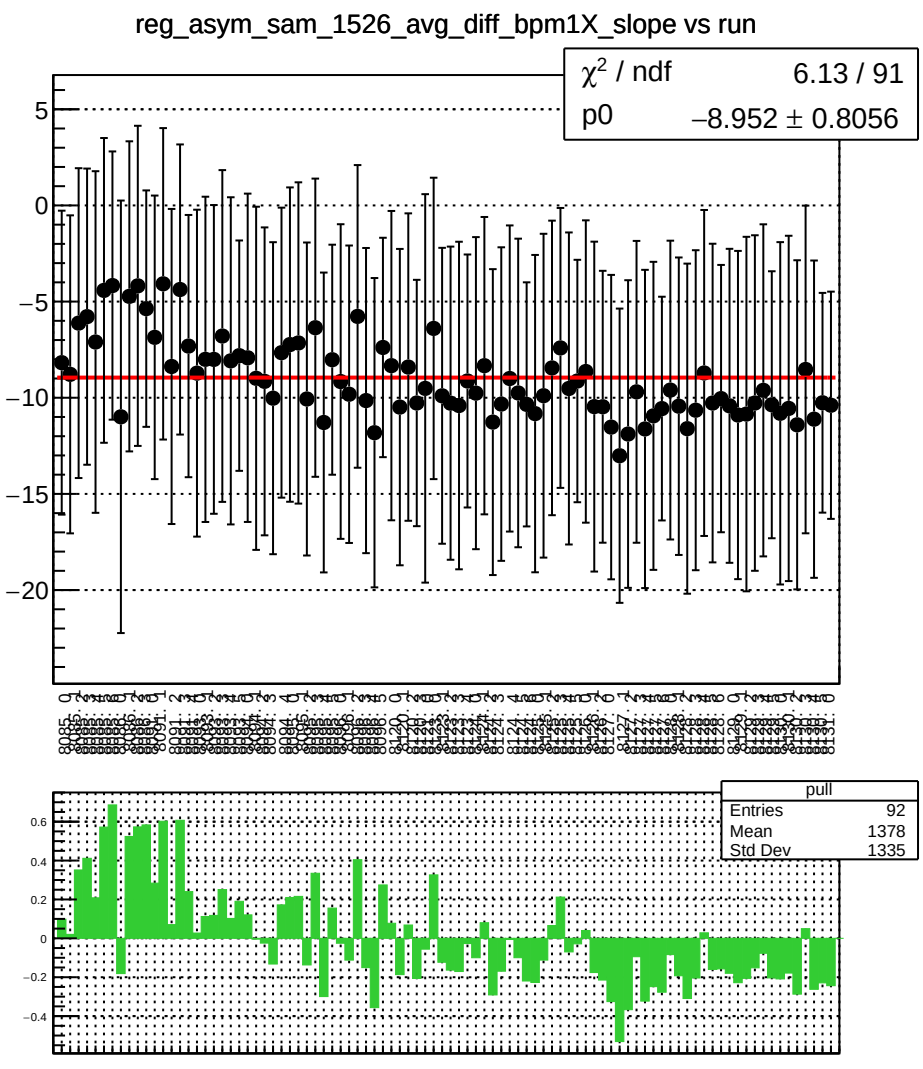

pull1D
Entries 92
Mean 7.293e−05
Std Dev 0.1686

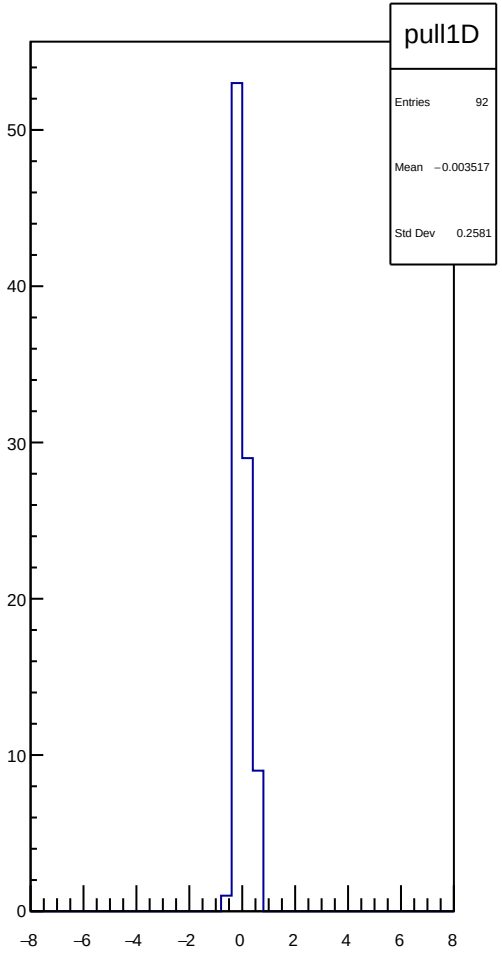

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.723 / 91
p0 −79.57 ± 1.901
pull
Entries 92
Mean 1194
Std Dev 1153
pull1D
Entries 92
Mean 0.00248
Std Dev 0.172

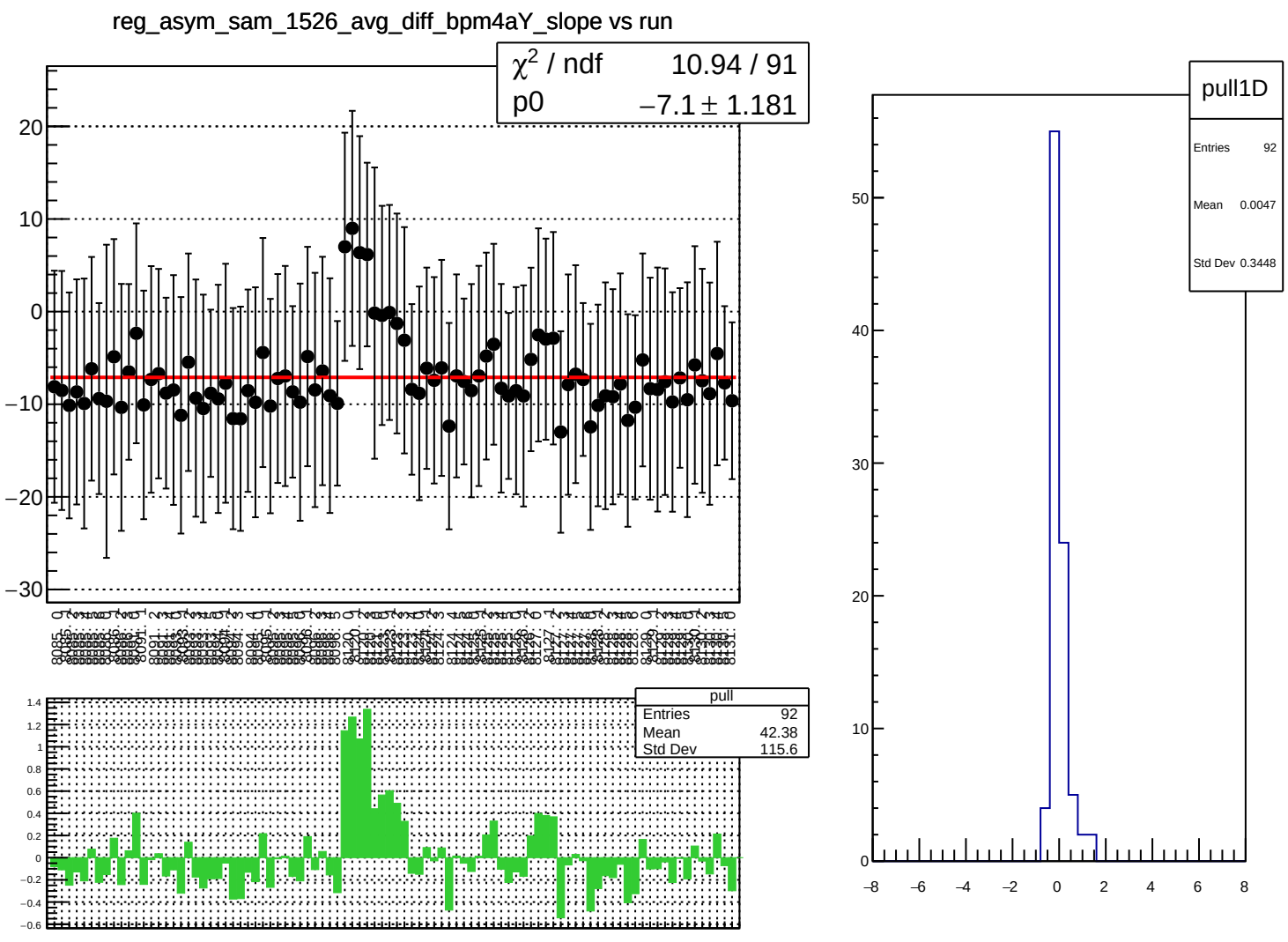

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.306 / 91
p0 33.32 ± 3.138
pull
Entries 92
Mean −3440
Std Dev 3485
pull1D
Entries 92
Mean 0.0004876
Std Dev 0.1583

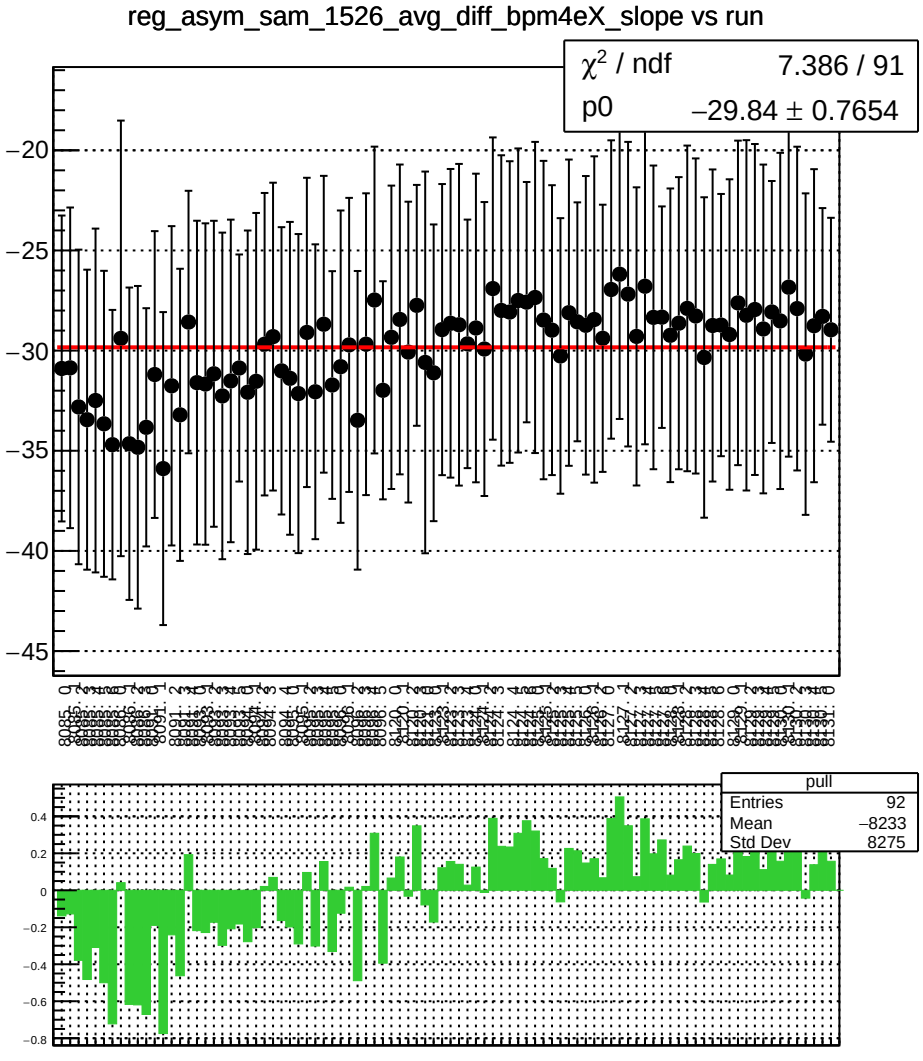

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 3.267 / 91
p0 −0.6693 ± 0.1199
pull
Entries 92
Mean −481
Std Dev 516.1

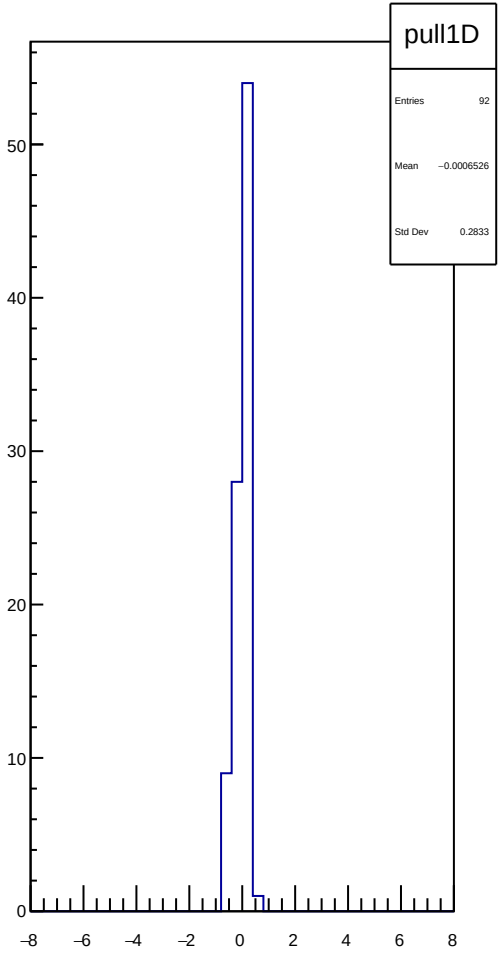

pull1D
Entries 92
Mean 0.003657
Std Dev 0.1884

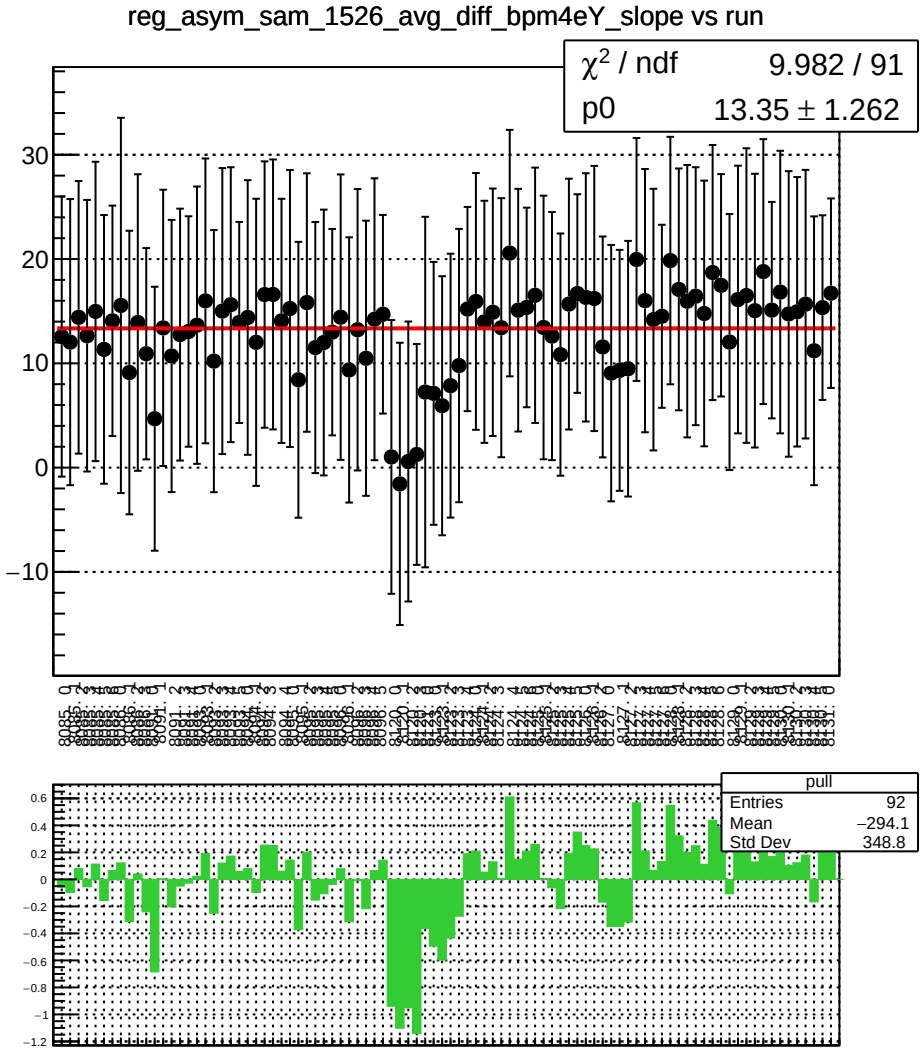

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 6.13 / 91
p0 −8.952 ± 0.8056
pull
Entries 92
Mean 1378
Std Dev 1335

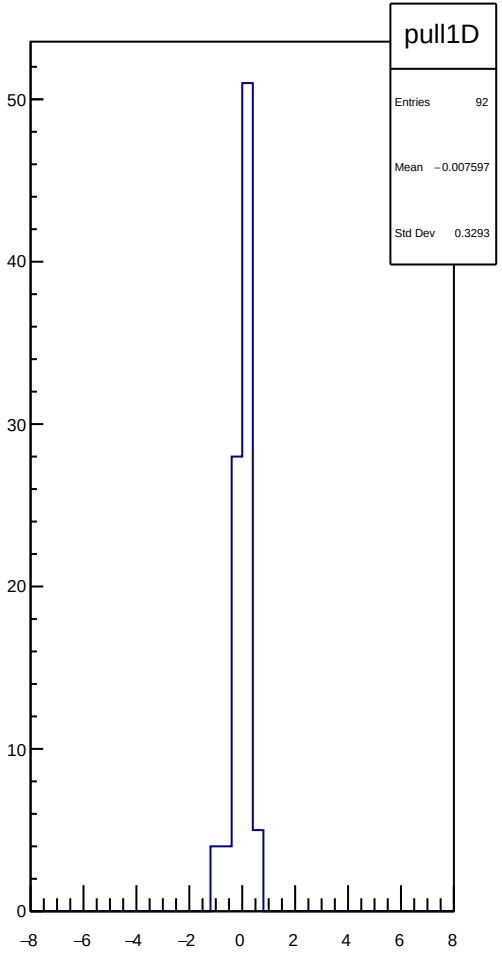

pull1D
Entries 92
Mean −0.003517
Std Dev 0.2581

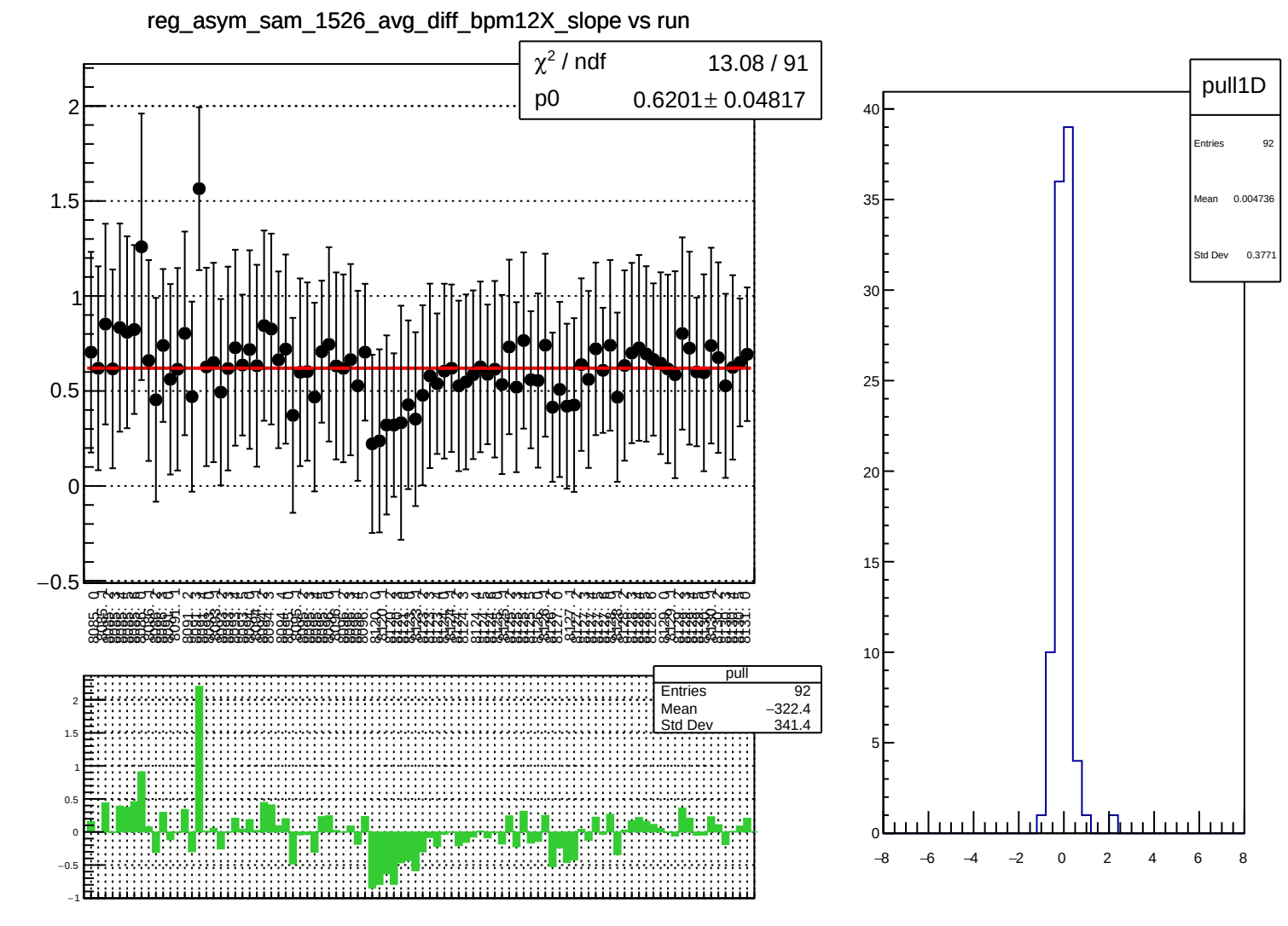

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.94 / 91
p0 −7.1 ± 1.181
pull
Entries 92
Mean 42.38
Std Dev 115.6
pull1D
Entries 92
Mean 0.0047
Std Dev 0.3448

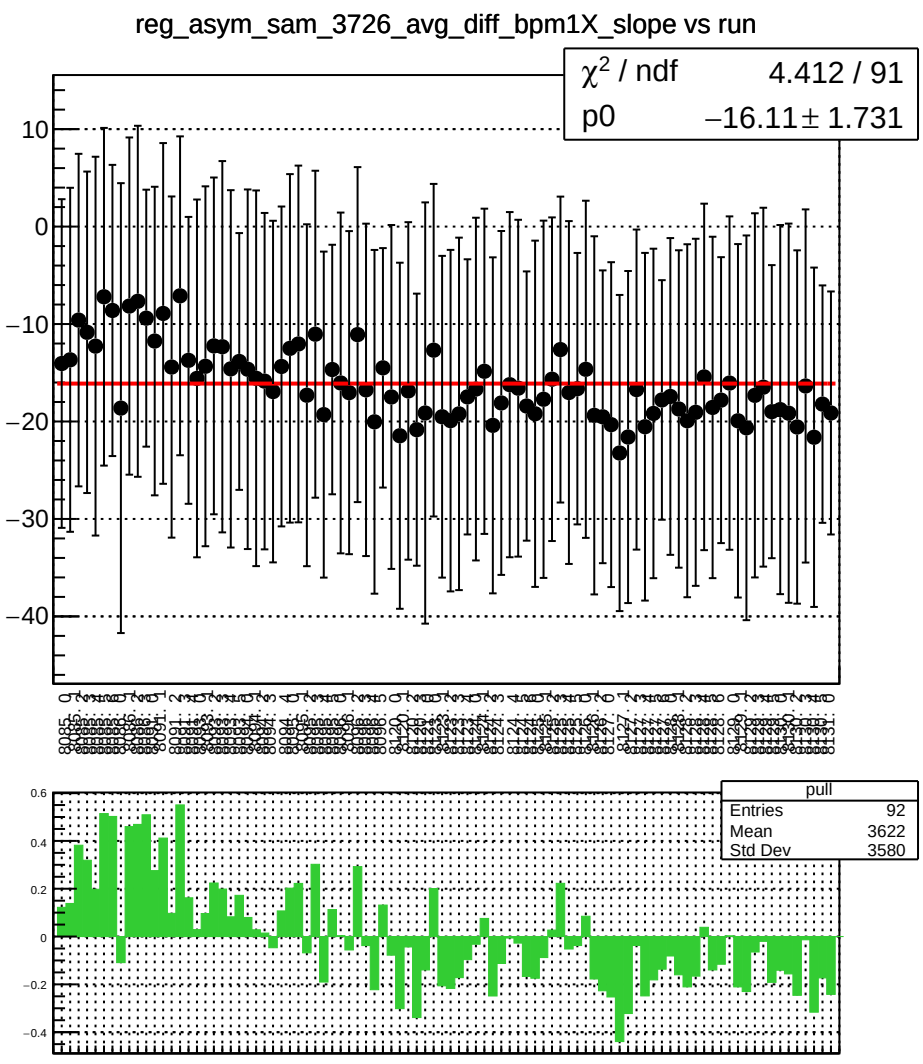

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.386 / 91
p0 −29.84 ± 0.7654
pull
Entries 92
Mean −8233
Std Dev 8275

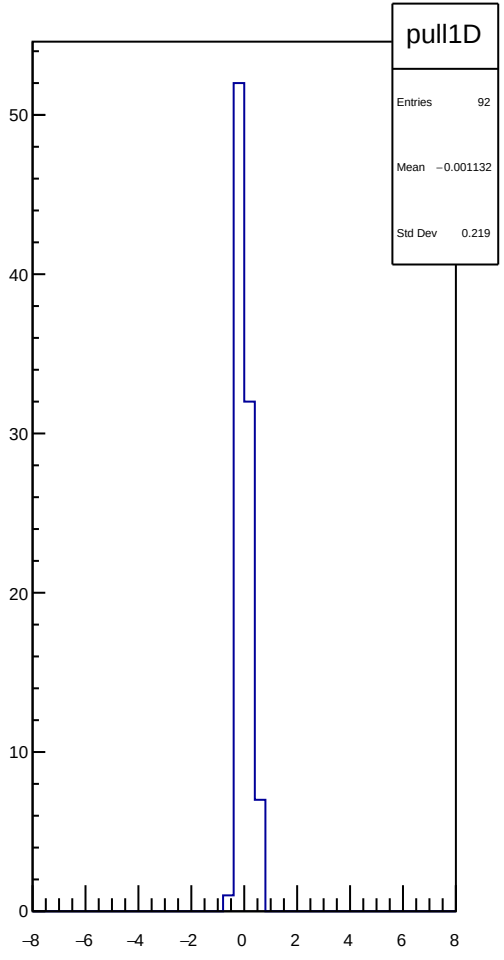

pull1D
Entries 92
Mean −0.0006526
Std Dev 0.2833

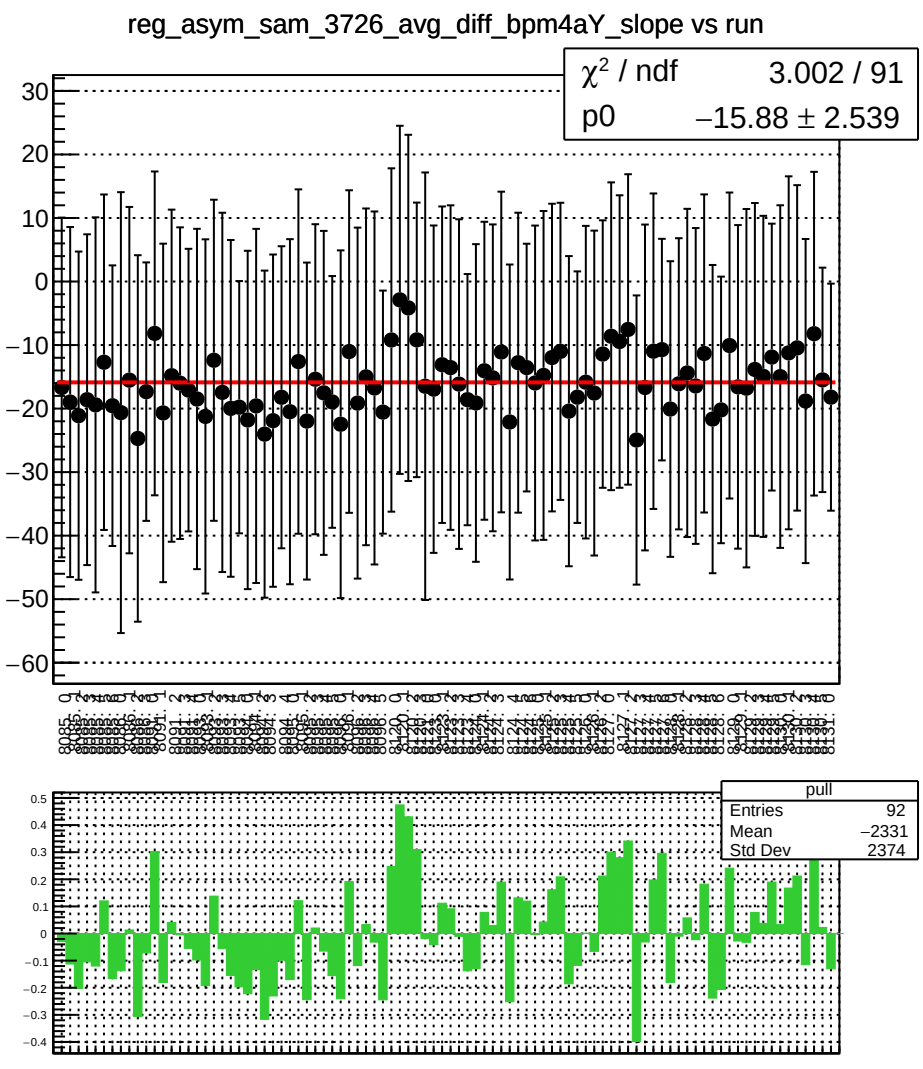

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.982 / 91
p0 13.35 ± 1.262
pull
Entries 92
Mean −294.1
Std Dev 348.8

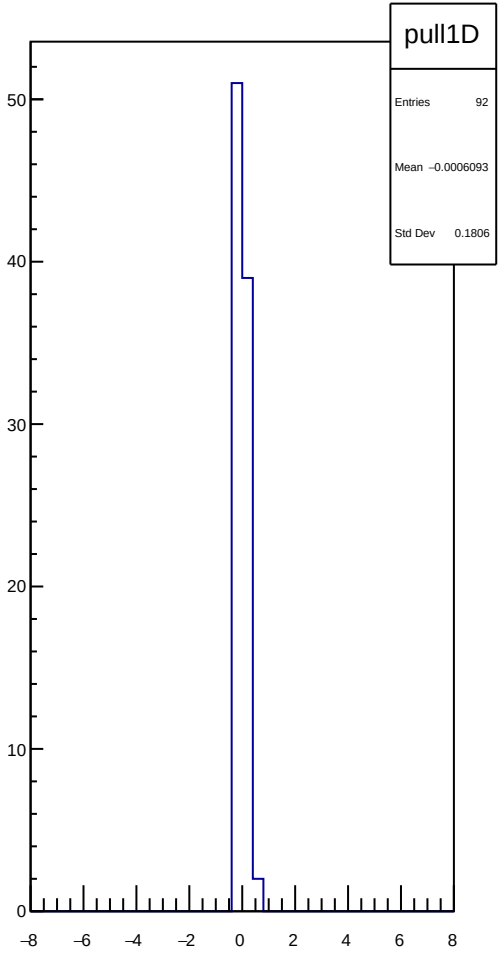

pull1D
Entries 92
Mean −0.007597
Std Dev 0.3293

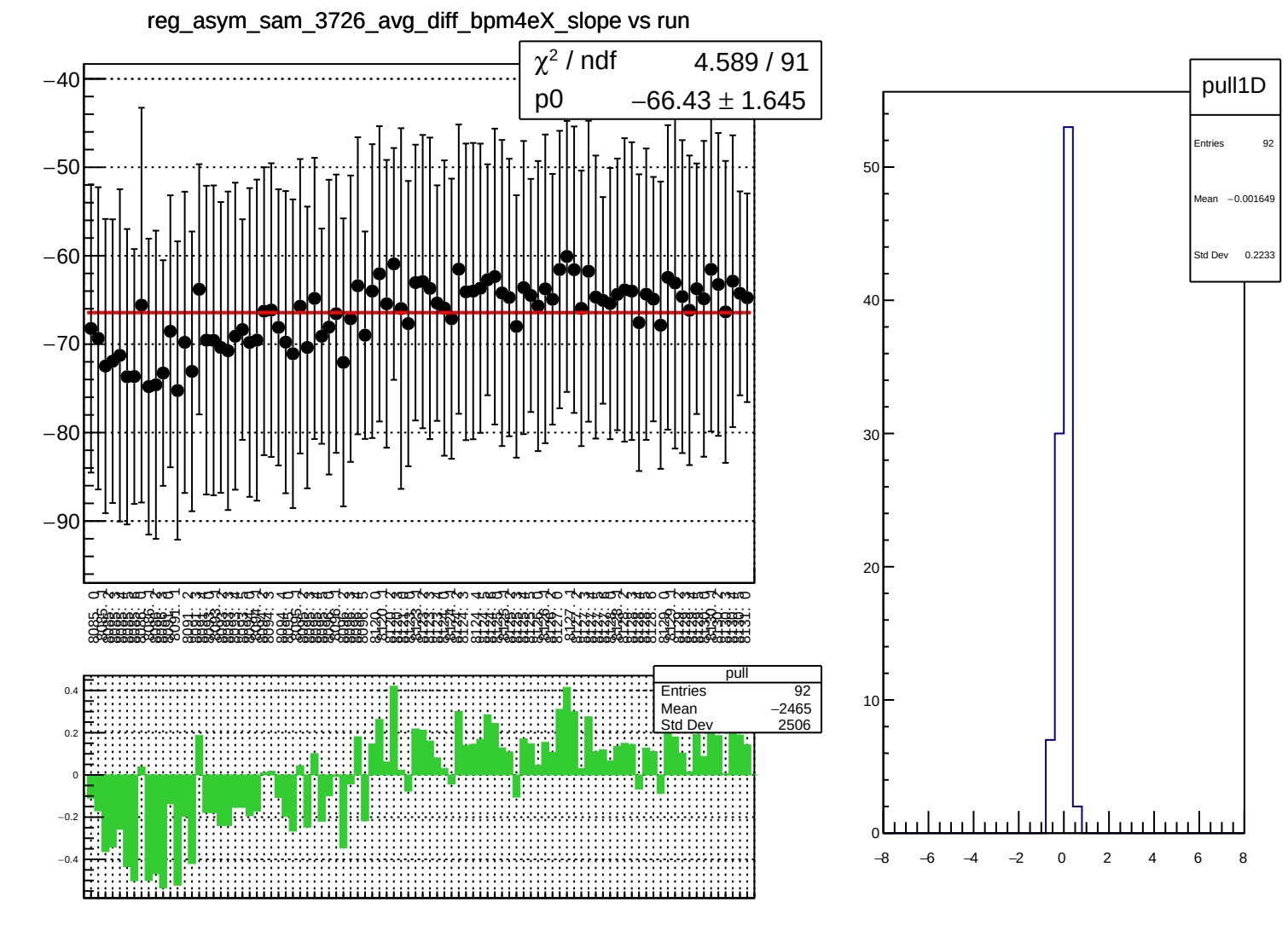

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 13.08 / 91
p0 0.6201± 0.04817
pull
Entries 92
Mean −322.4
Std Dev 341.4
pull1D
Entries 92
Mean 0.004736
Std Dev 0.3771

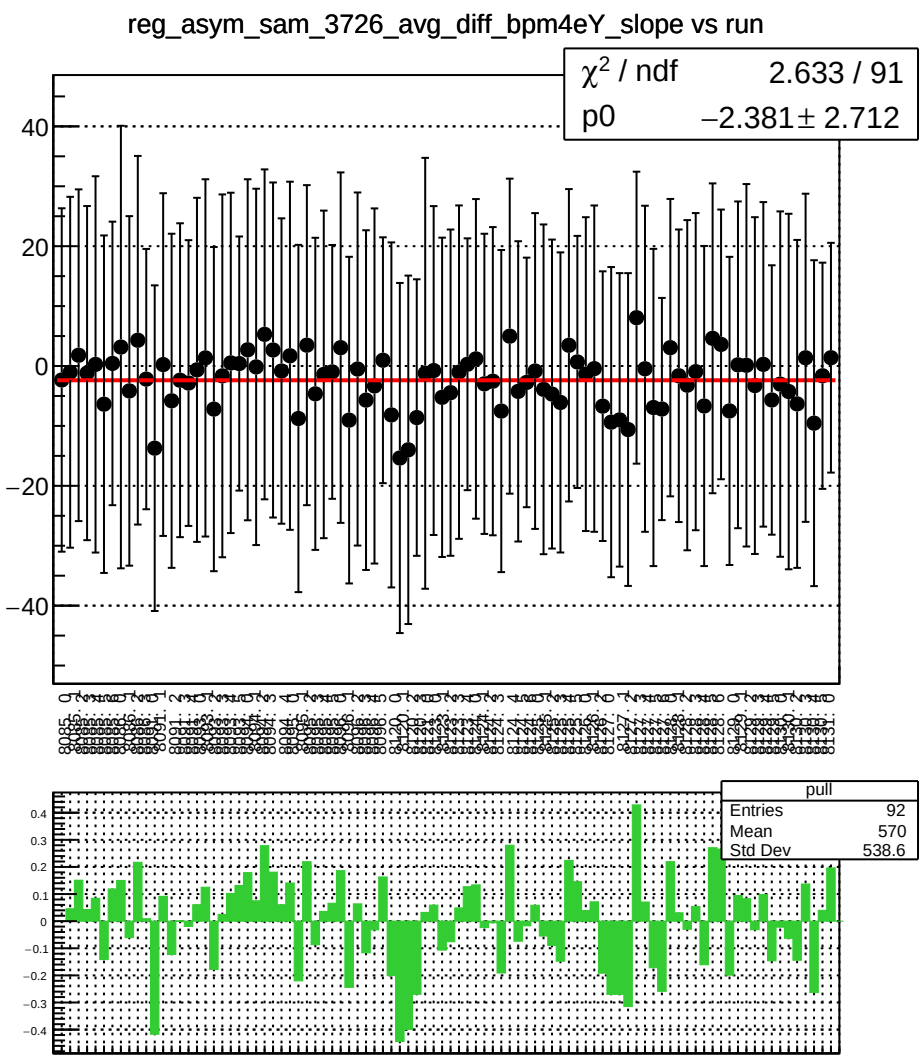

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.412 / 91
p0 −16.11 ± 1.731
10
0
−10
−20
−30
−40
pull
Entries 92
Mean 3622
Std Dev 3580
0.6
0.4
0.2
0
−0.2
−0.4

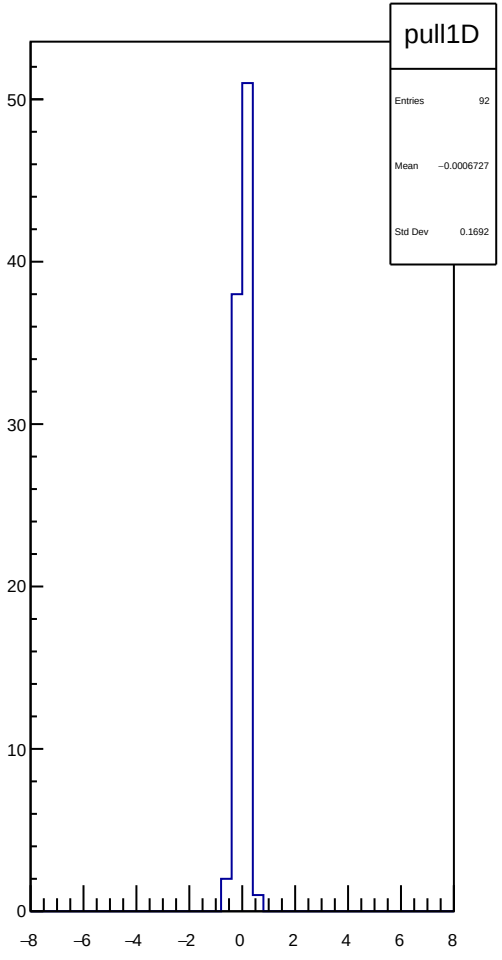

pull1D
Entries 92
Mean −0.001132
Std Dev 0.219
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

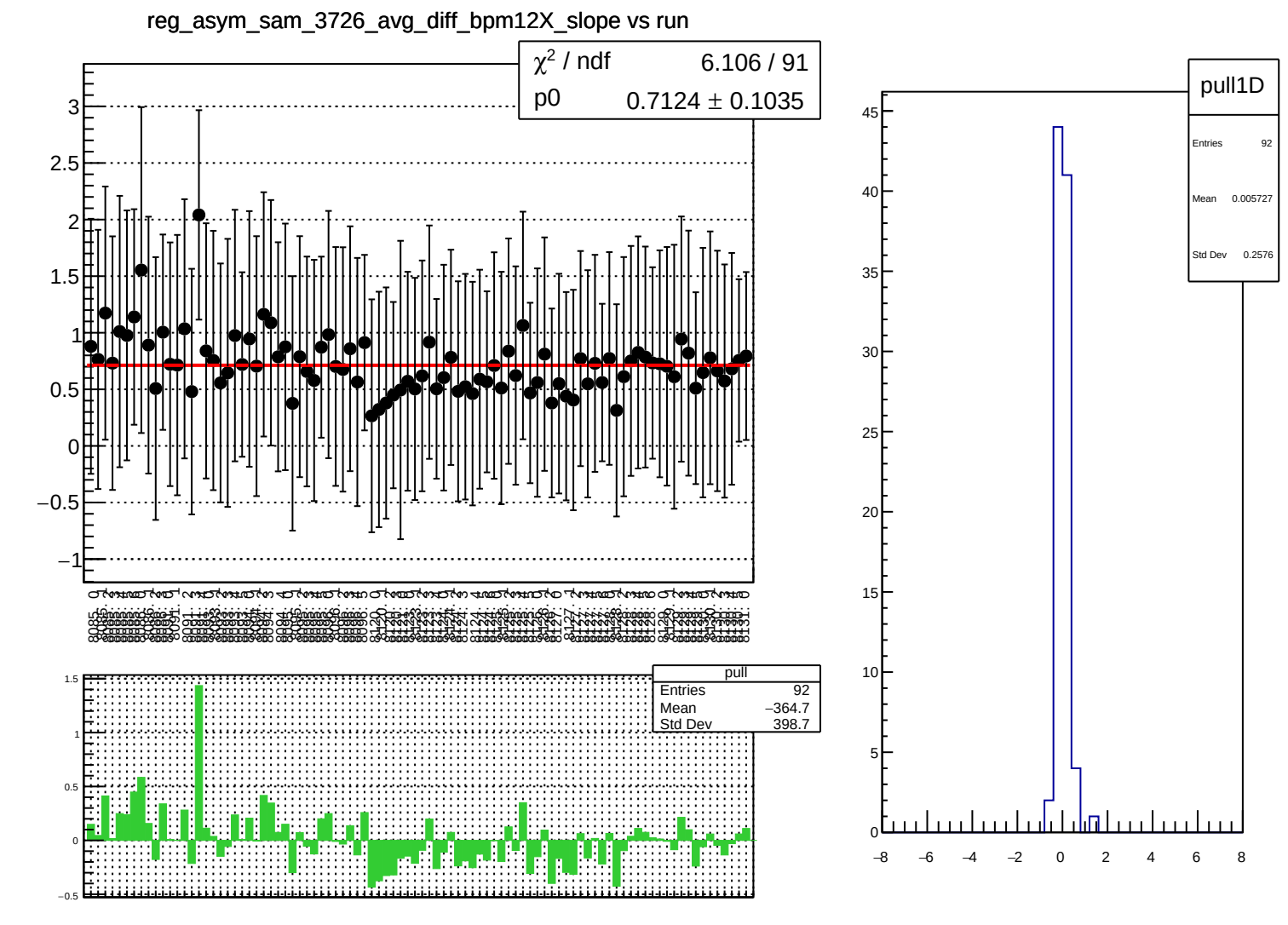

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.002 / 91
p0 −15.88 ± 2.539
pull
Entries 92
Mean −2331
Std Dev 2374

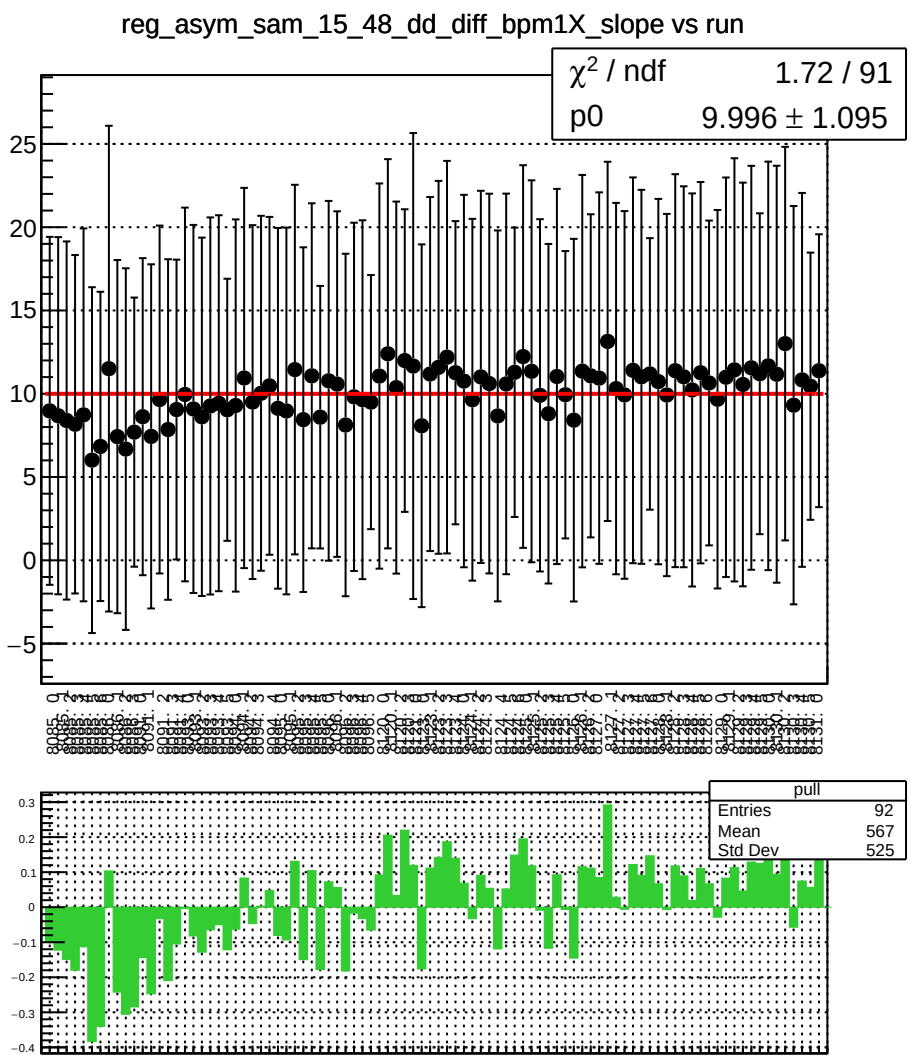

pull1D
Entries 92
Mean −0.0006093
Std Dev 0.1806

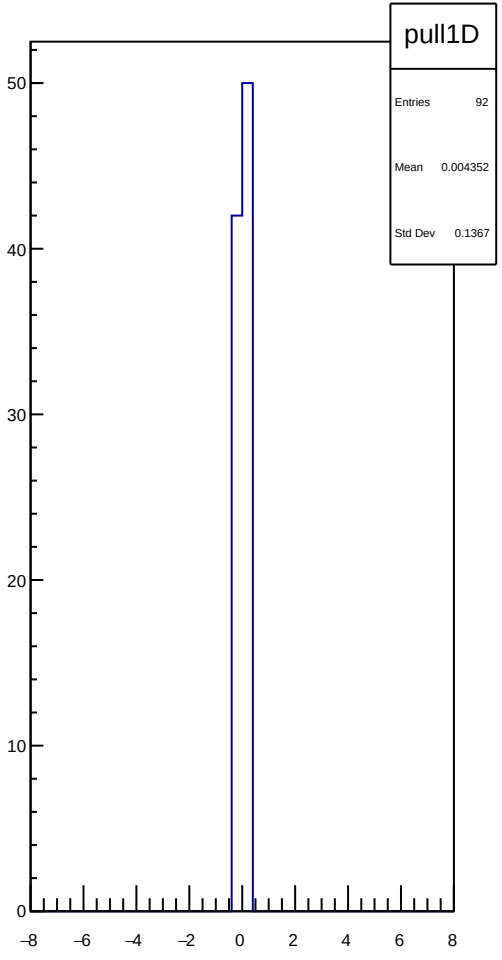

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.589 / 91
p0 −66.43 ± 1.645
pull
Entries 92
Mean −2465
Std Dev 2506
pull1D
Entries 92
Mean −0.001649
Std Dev 0.2233

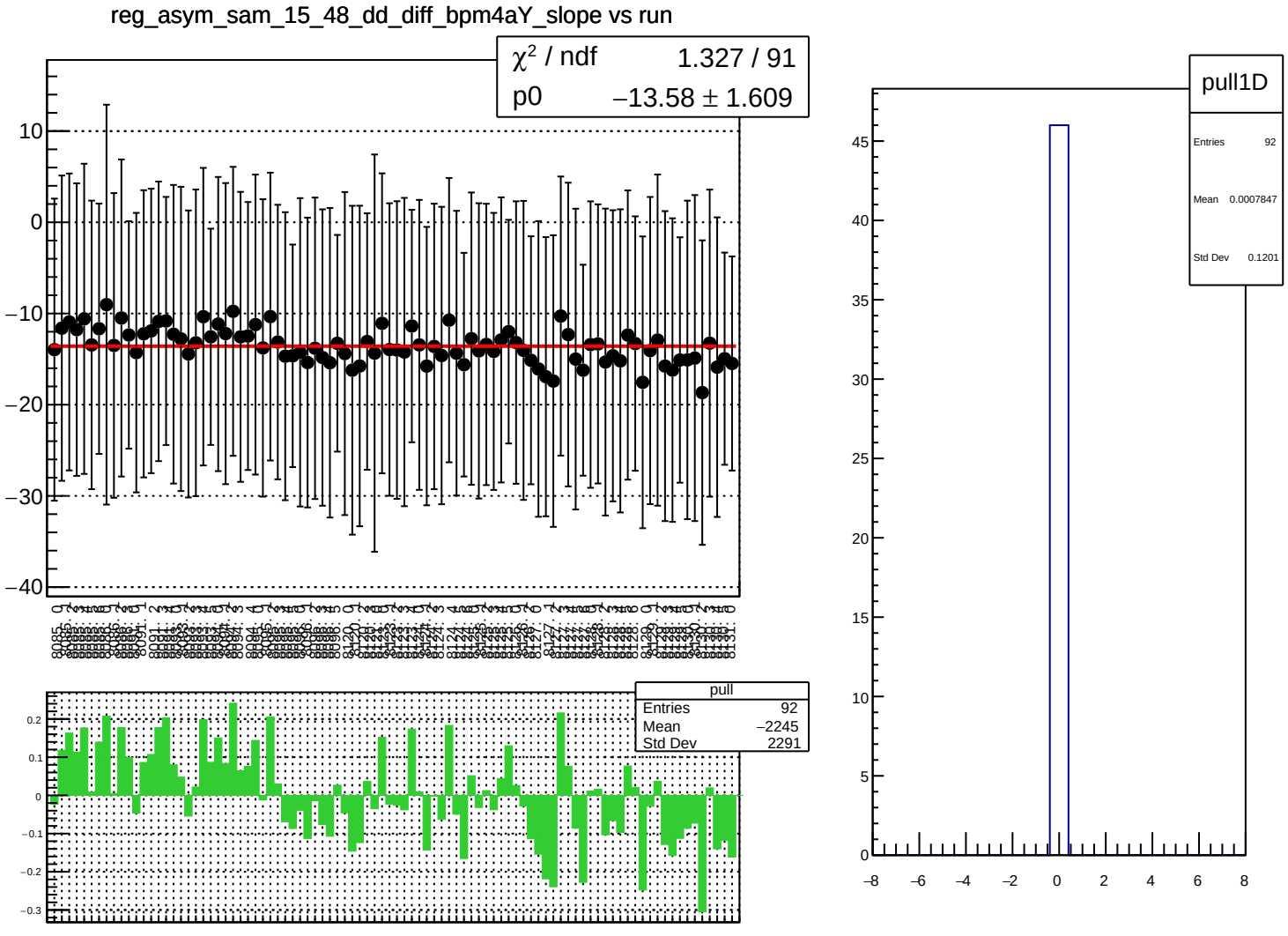

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.633 / 91
p0 −2.381 ± 2.712
pull
Entries 92
Mean 570
Std Dev 538.6

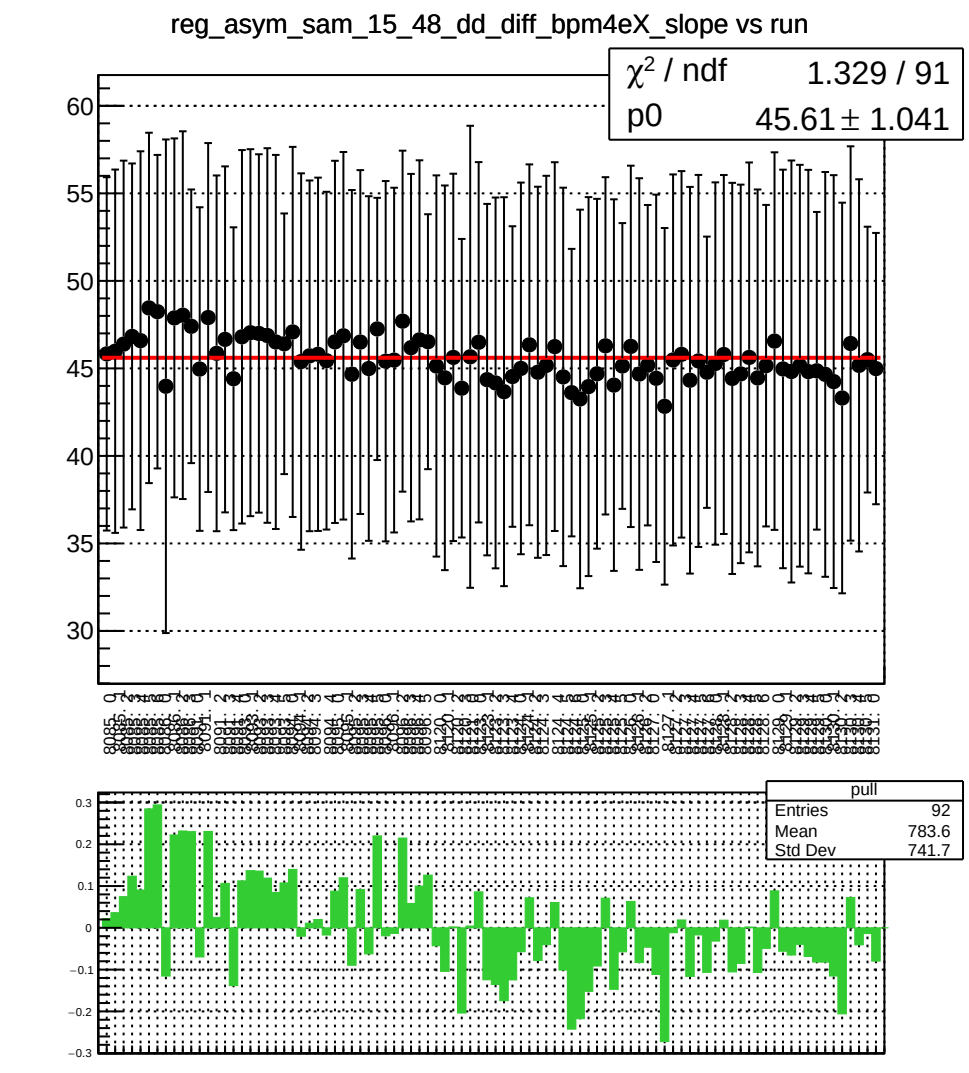

pull1D
Entries 92
Mean −0.0006727
Std Dev 0.1692

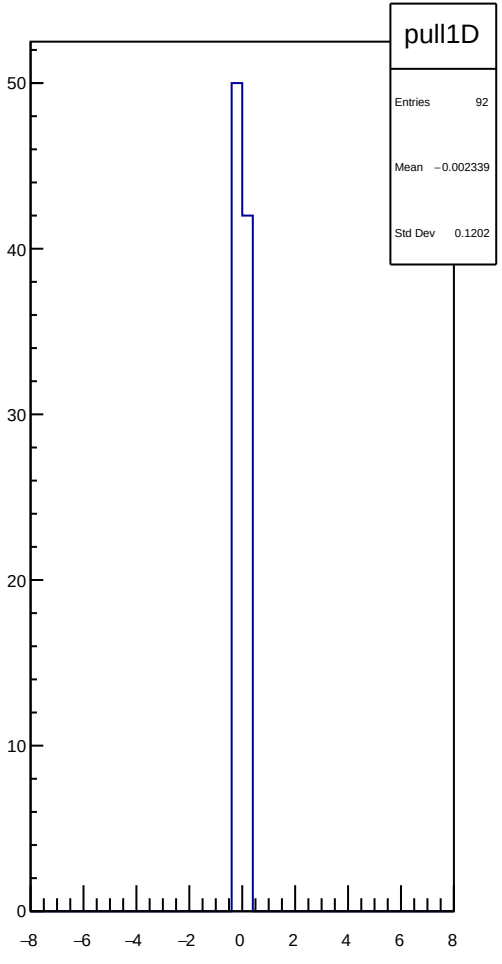

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 6.106 / 91
p0 0.7124 ± 0.1035
pull
Entries 92
Mean −364.7
Std Dev 398.7
pull1D
Entries 92
Mean 0.005727
Std Dev 0.2576

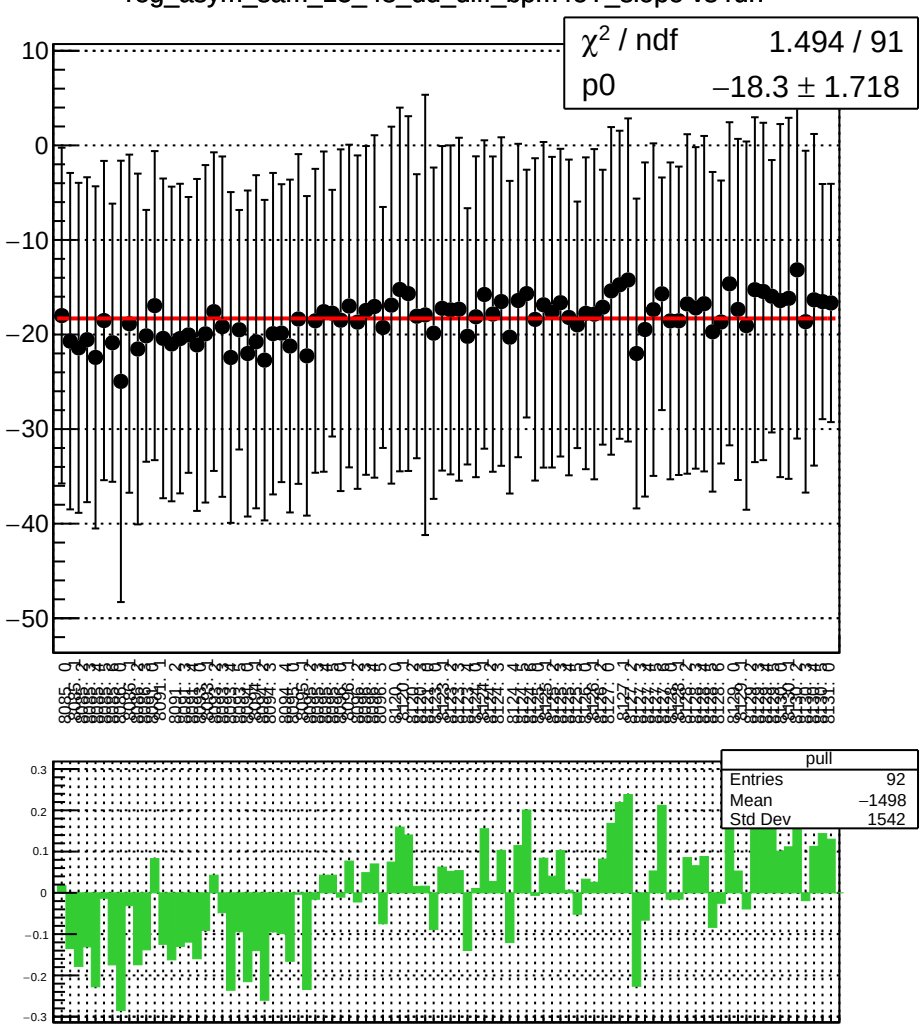

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.72 / 91
p0 9.996 ± 1.095
pull
Entries 92
Mean 567
Std Dev 525

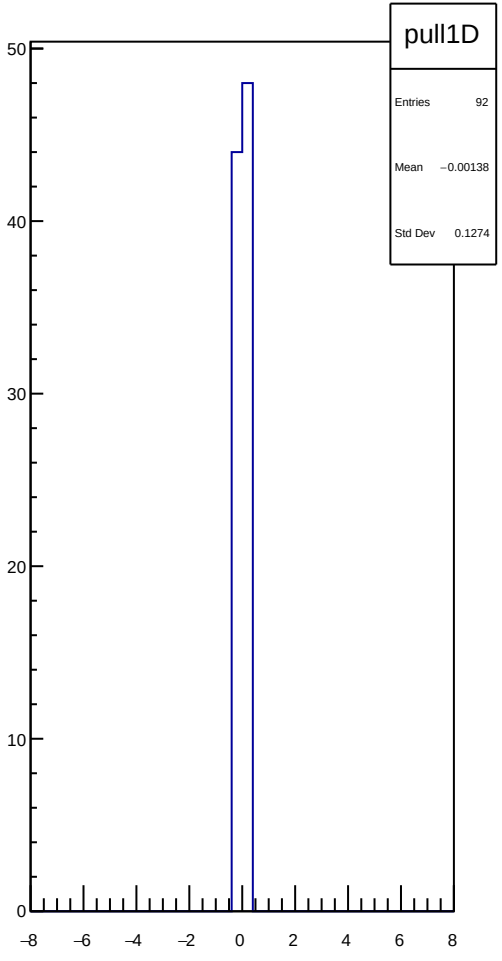

pull1D
Entries 92
Mean 0.004352
Std Dev 0.1367

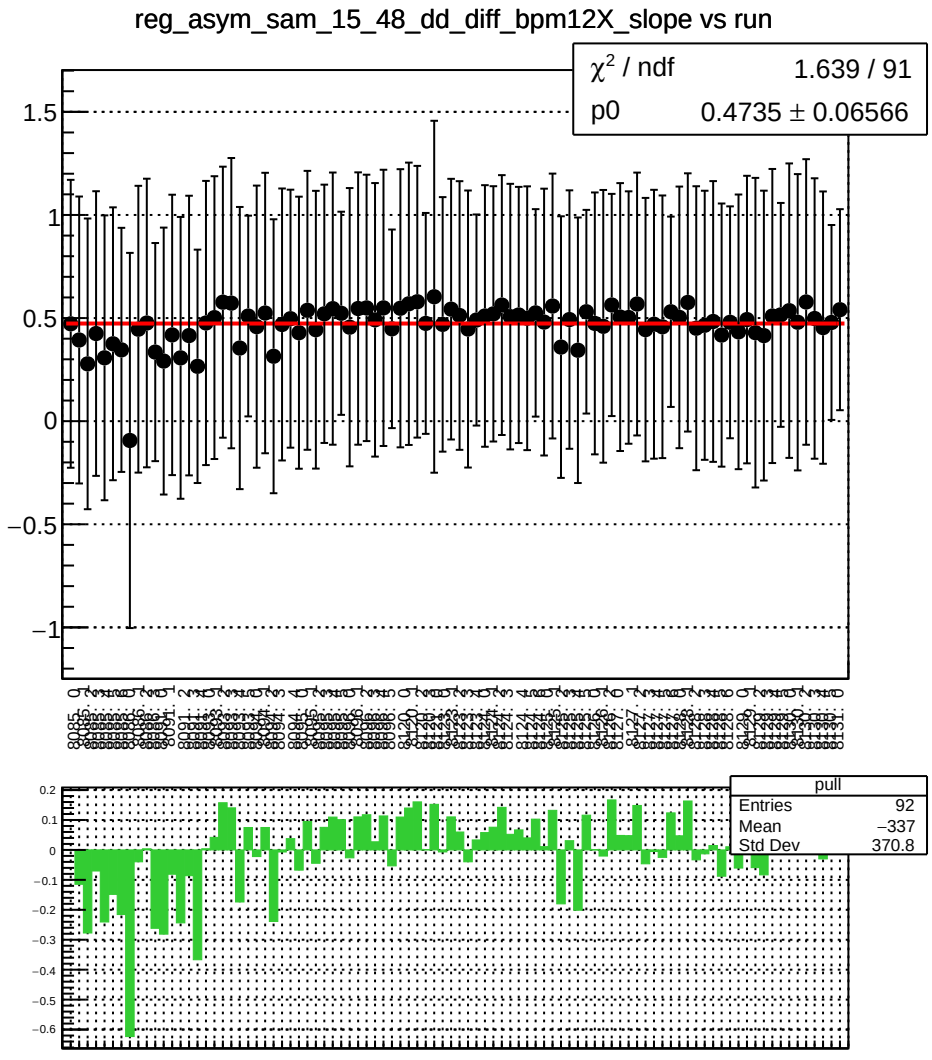

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.327 / 91
p0 −13.58 ± 1.609
pull
Entries 92
Mean −2245
Std Dev 2291
pull1D
Entries 92
Mean 0.0007847
Std Dev 0.1201

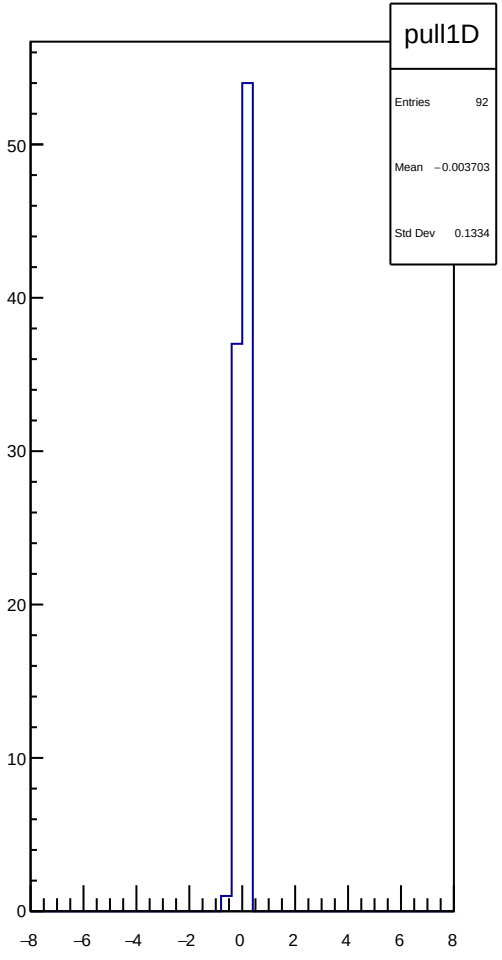

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.329 / 91
p0 45.61 ± 1.041
pull
Entries 92
Mean 783.6
Std Dev 741.7

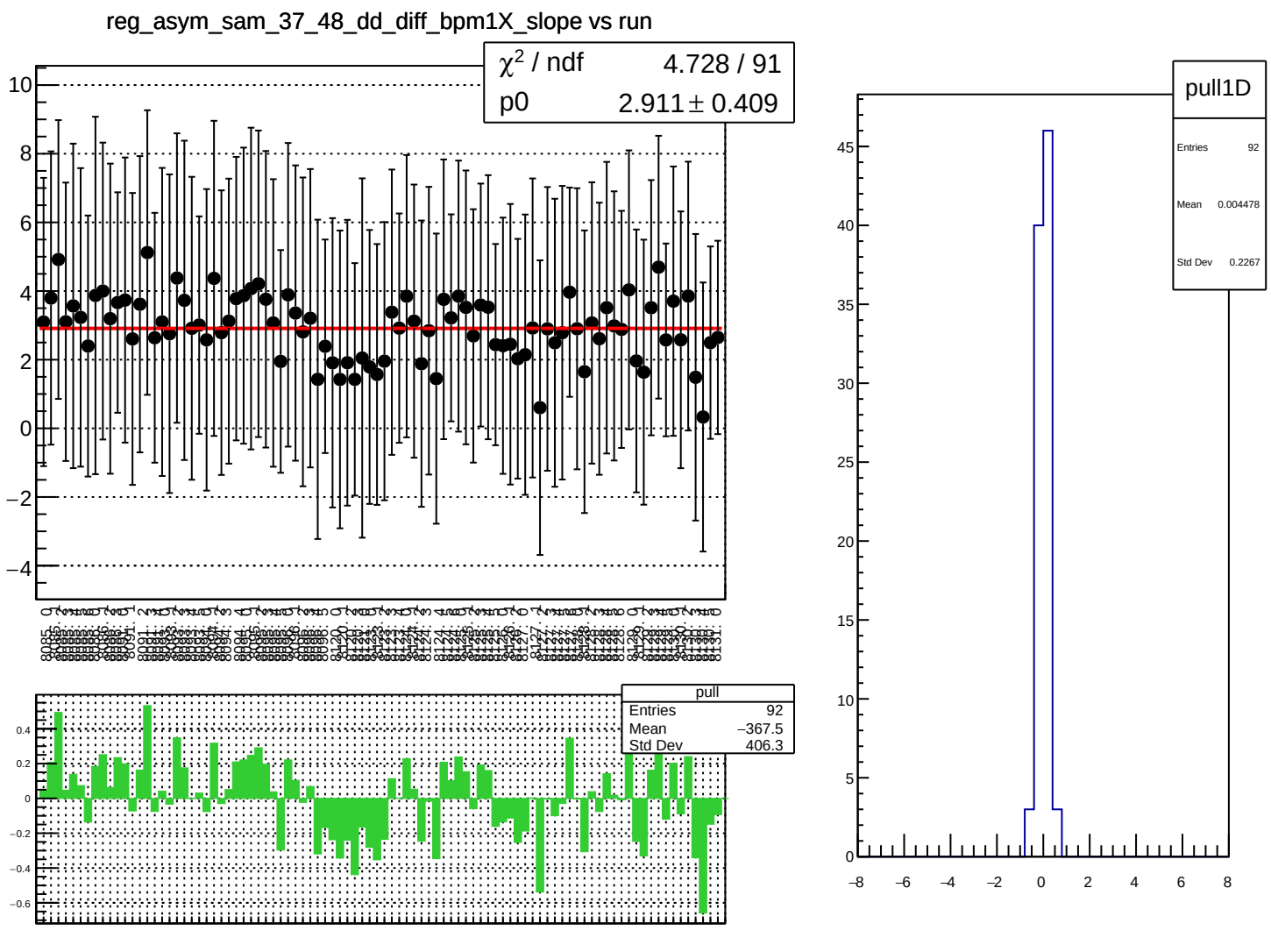

pull1D
Entries 92
Mean −0.002339
Std Dev 0.1202

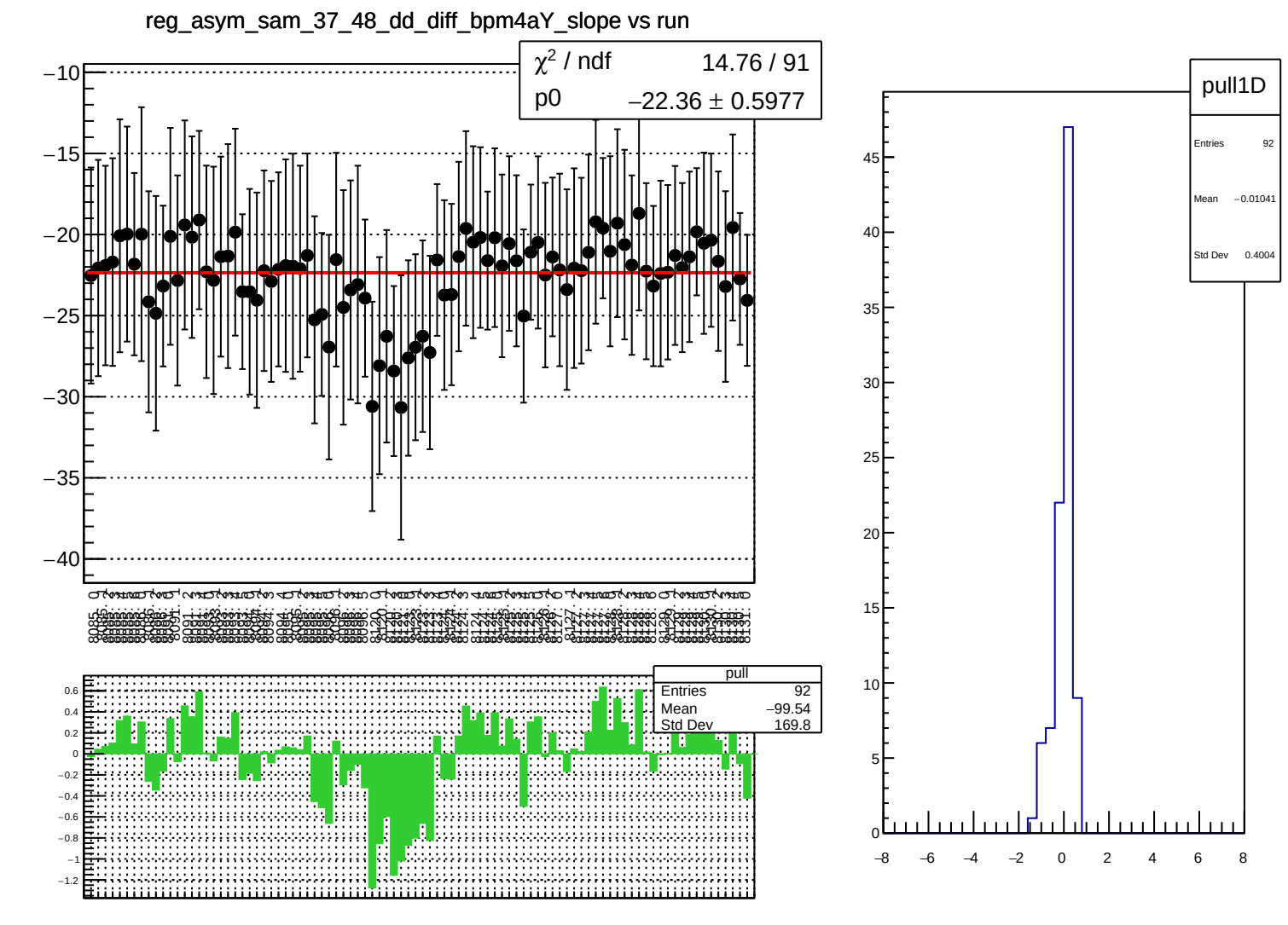

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.494 / 91
p0 −18.3 ± 1.718
pull
Entries 92
Mean −1498
Std Dev 1542

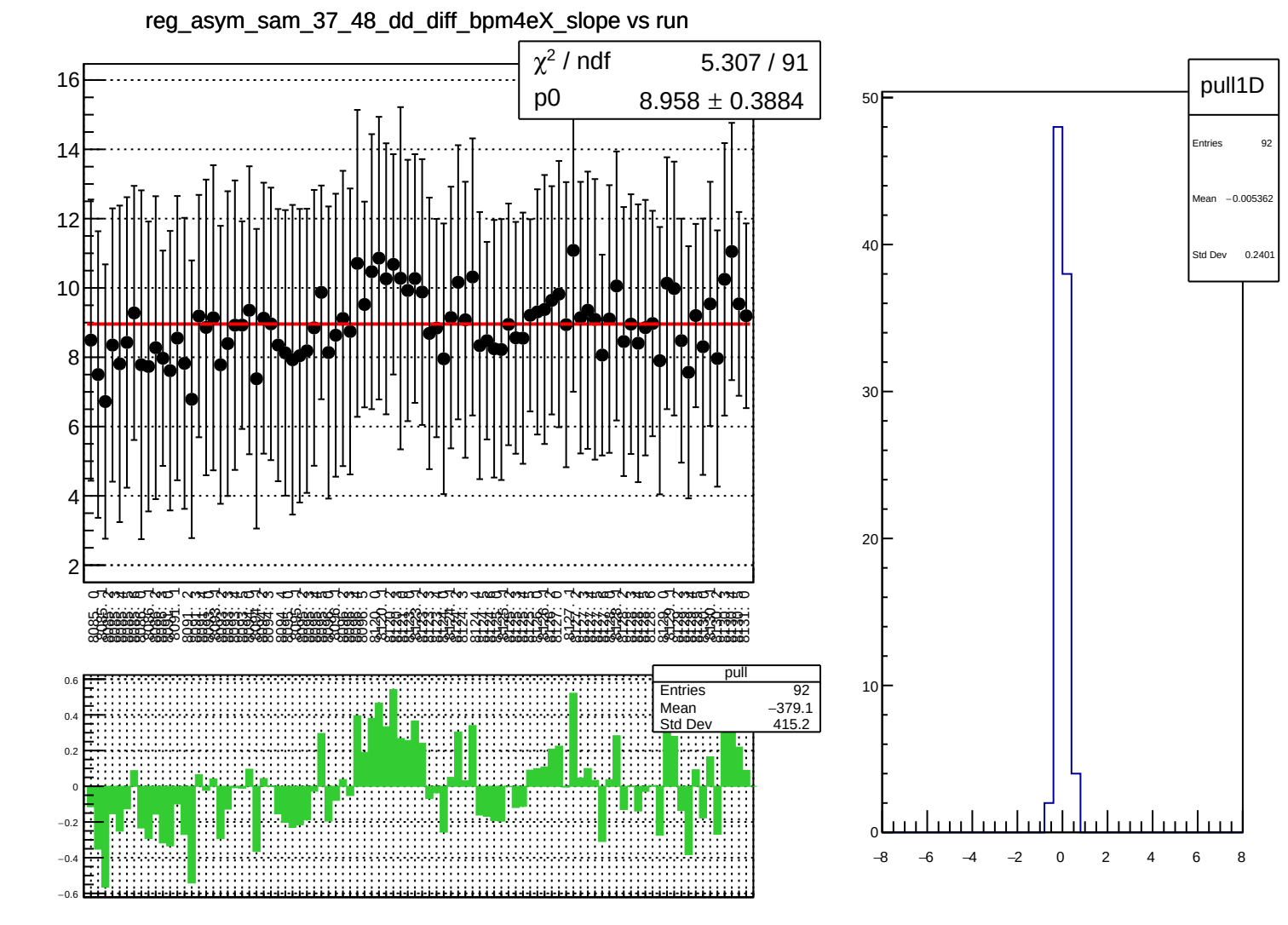

pull1D
Entries 92
Mean −0.00138
Std Dev 0.1274

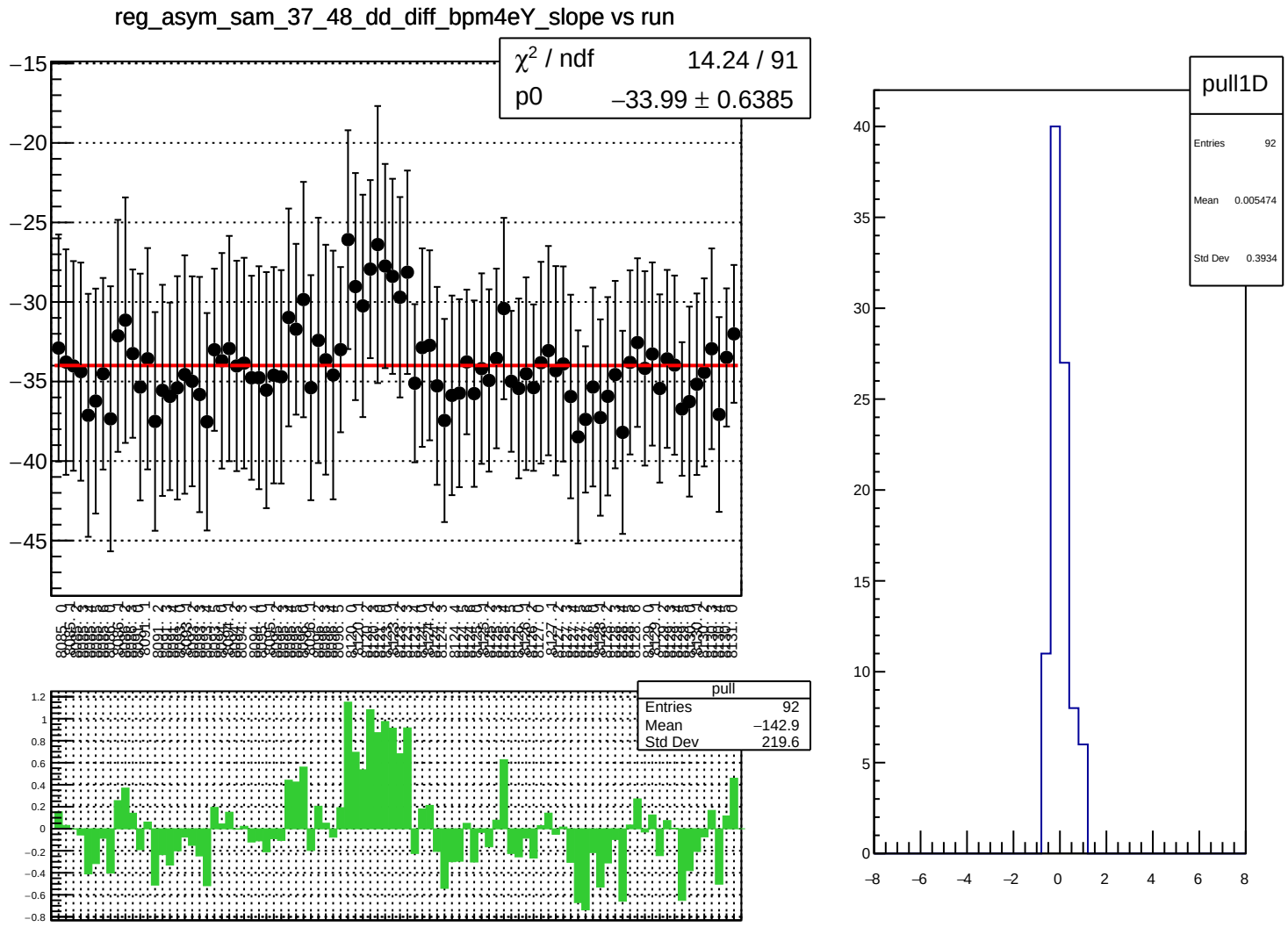

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.639 / 91
p0 0.4735 ± 0.06566
pull
Entries 92
Mean −337
Std Dev 370.8

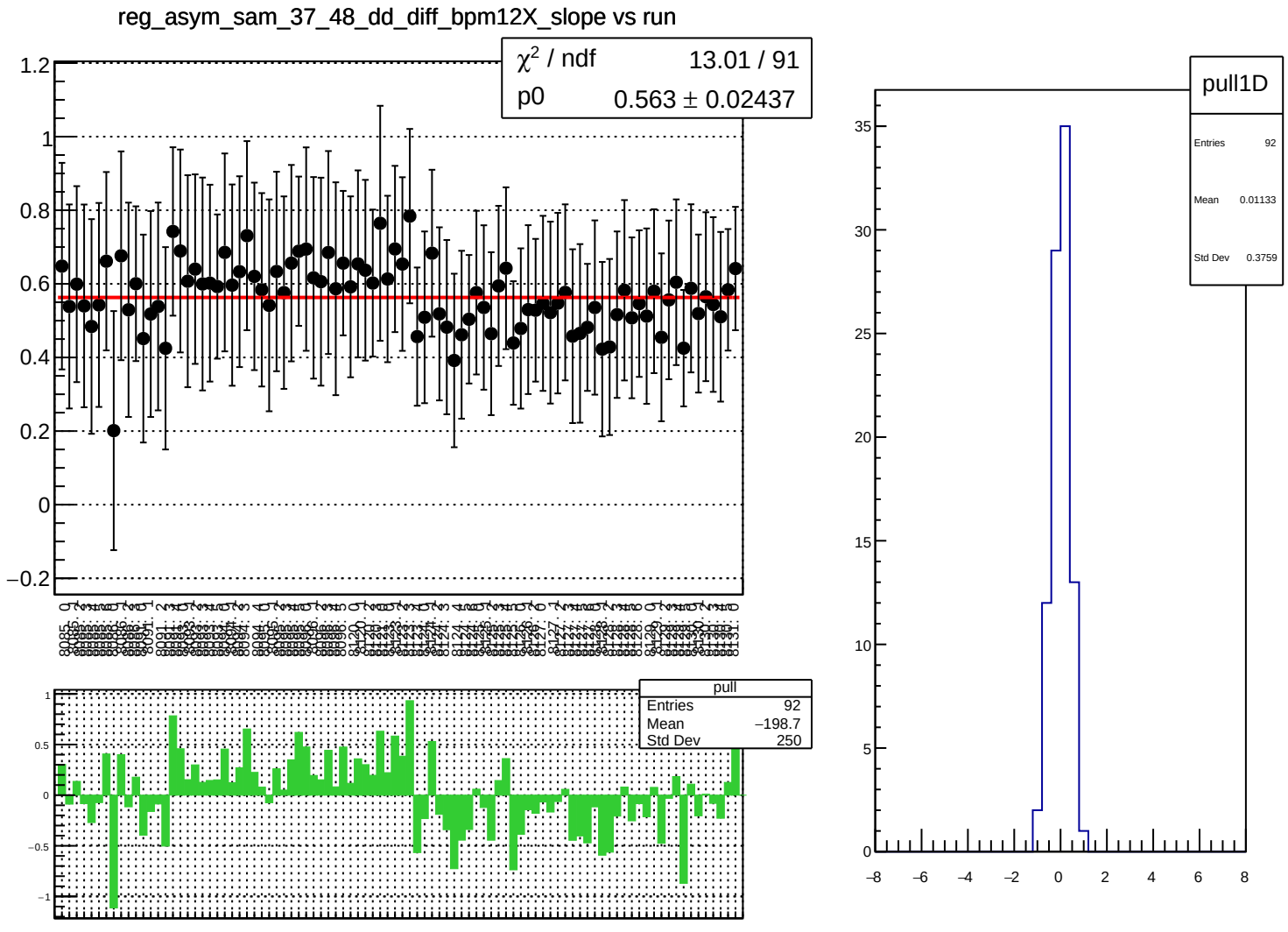

pull1D
Entries 92
Mean −0.003703
Std Dev 0.1334

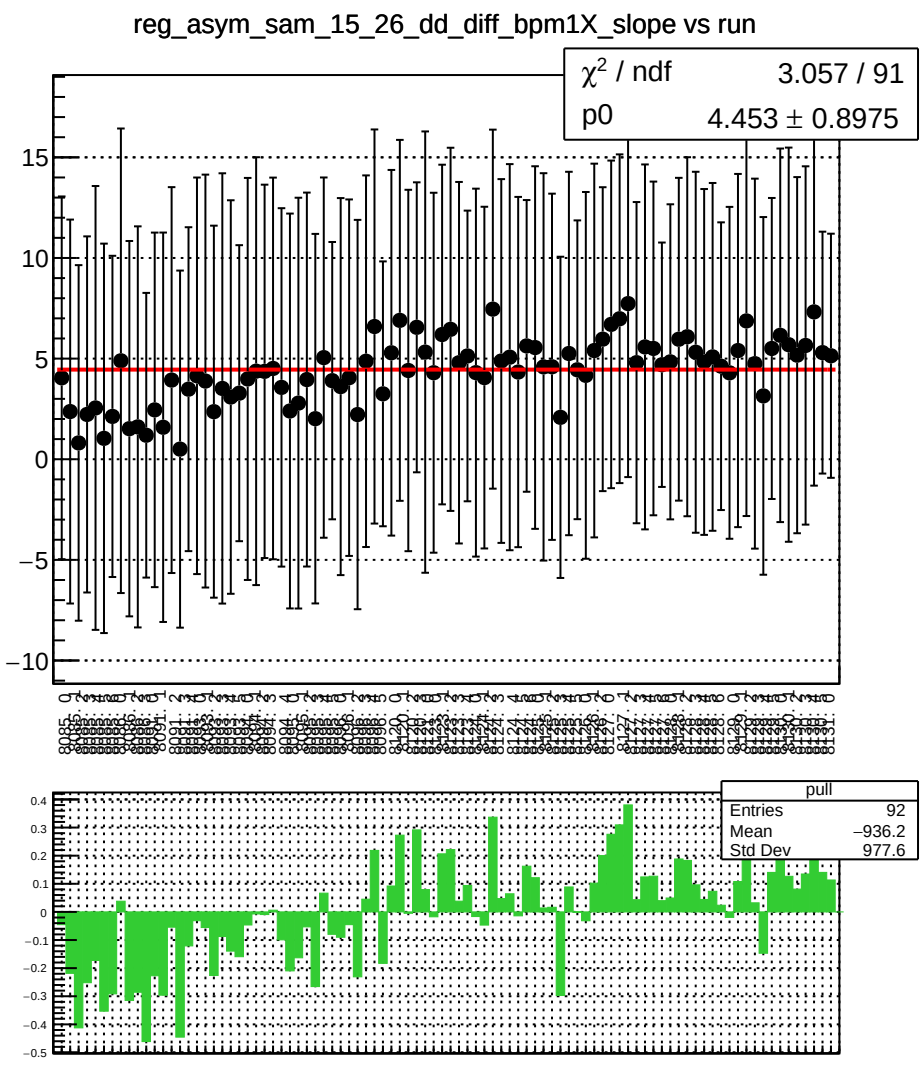

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.728 / 91
p0 2.911 ± 0.409
pull
Entries 92
Mean −367.5
Std Dev 406.3
pull1D
Entries 92
Mean 0.004478
Std Dev 0.2267

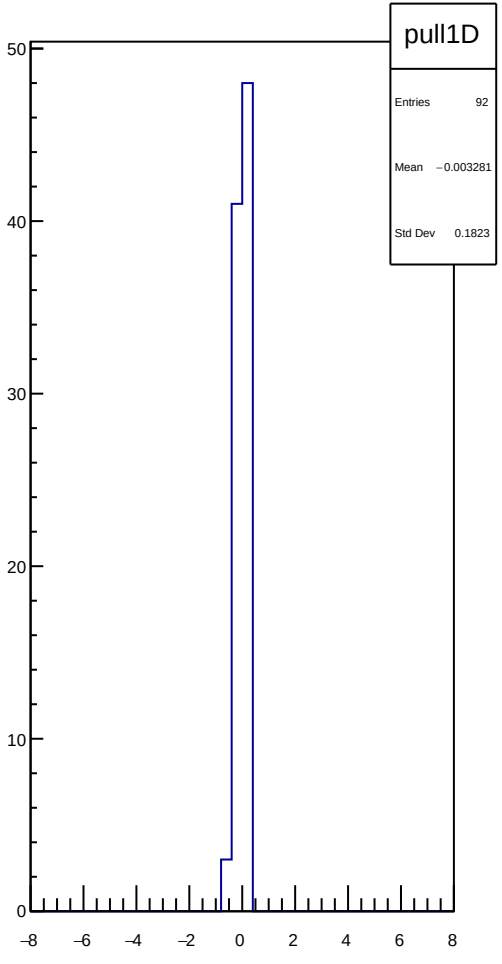

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.76 / 91
p0 −22.36 ± 0.5977
pull
Entries 92
Mean −99.54
Std Dev 169.8
pull1D
Entries 92
Mean −0.01041
Std Dev 0.4004

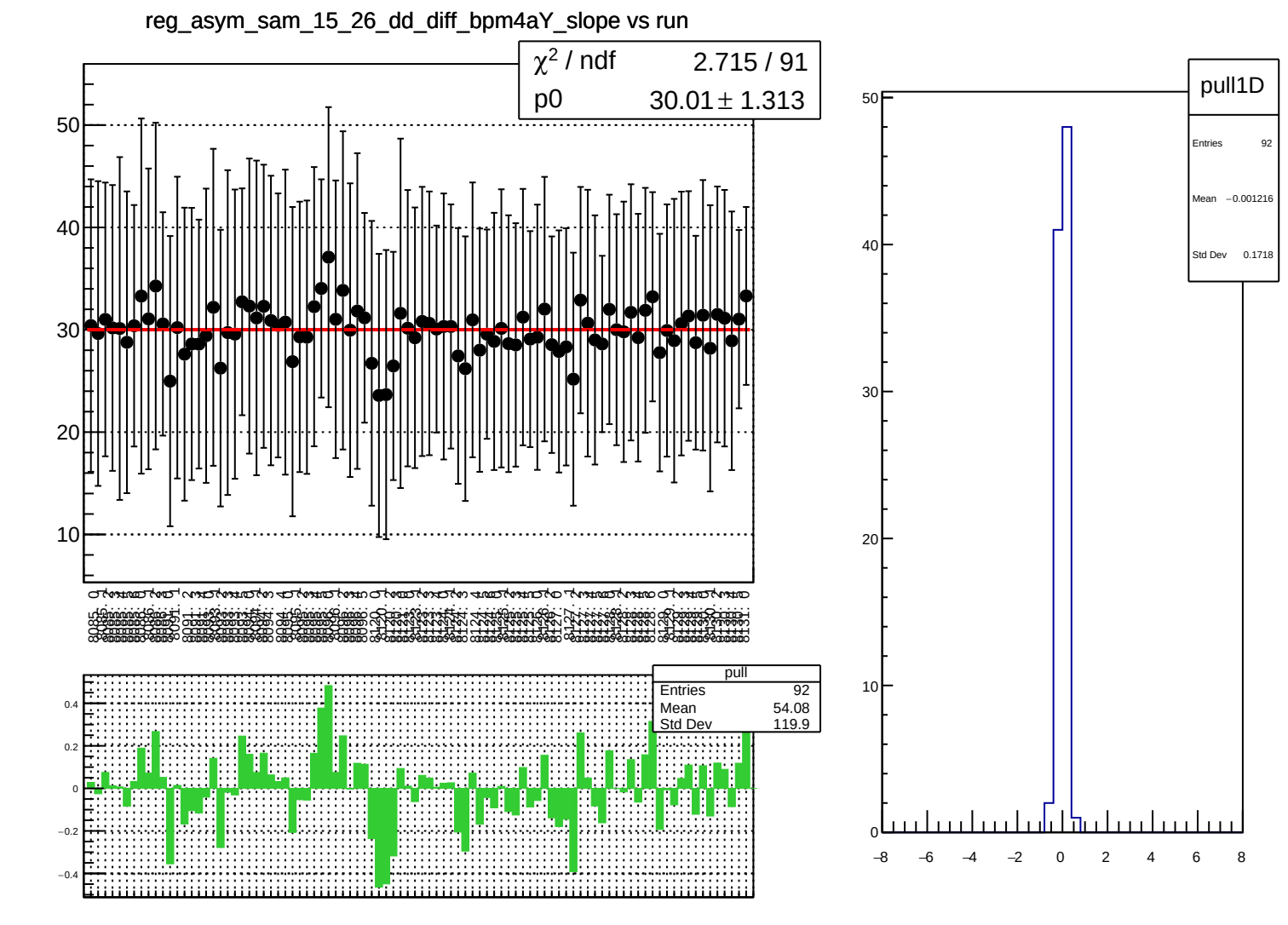

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.307 / 91
p0 8.958 ± 0.3884
pull
Entries 92
Mean −379.1
Std Dev 415.2
pull1D
Entries 92
Mean −0.005362
Std Dev 0.2401

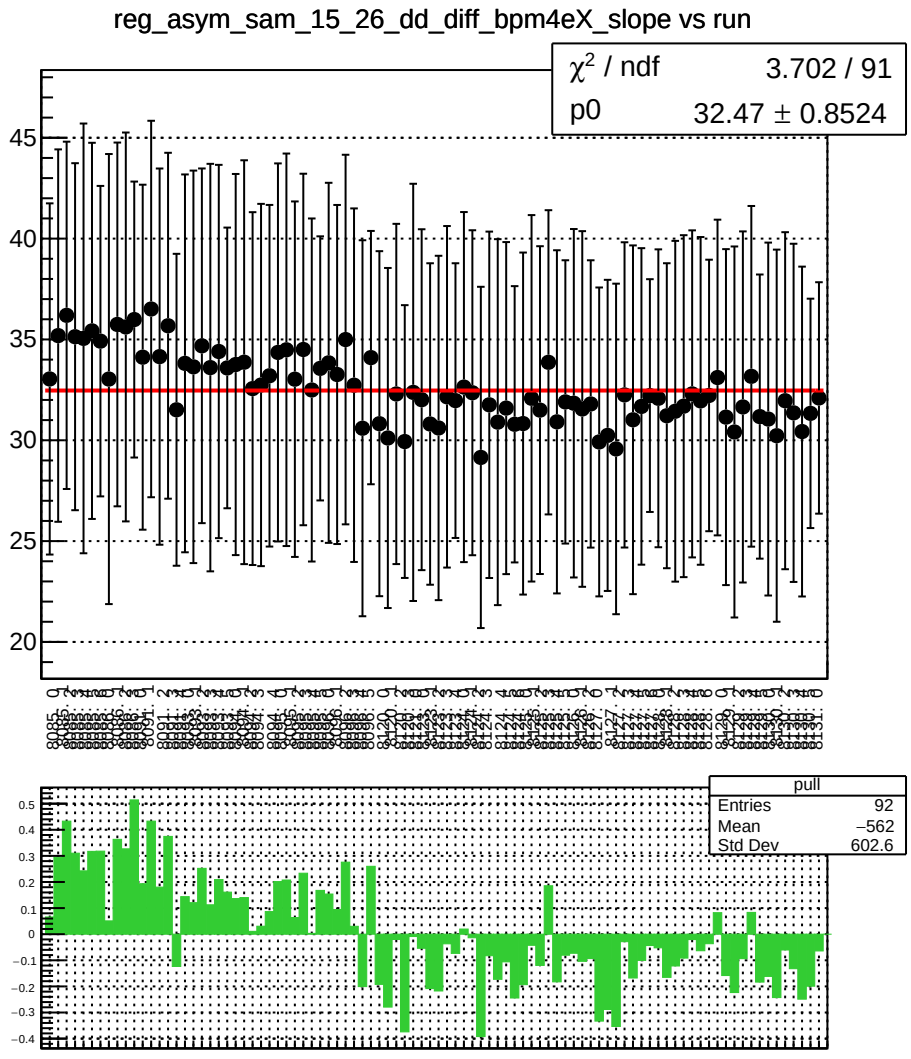

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.24 / 91
p0 −33.99 ± 0.6385
pull
Entries 92
Mean −142.9
Std Dev 219.6
pull1D
Entries 92
Mean 0.005474
Std Dev 0.3934

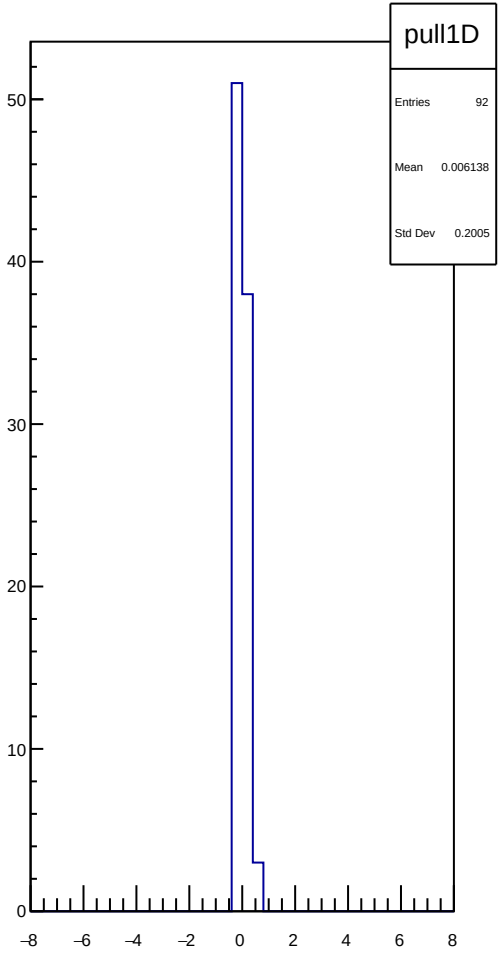

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.01 / 91
p0 0.563 ± 0.02437
pull
Entries 92
Mean −198.7
Std Dev 250
pull1D
Entries 92
Mean 0.01133
Std Dev 0.3759

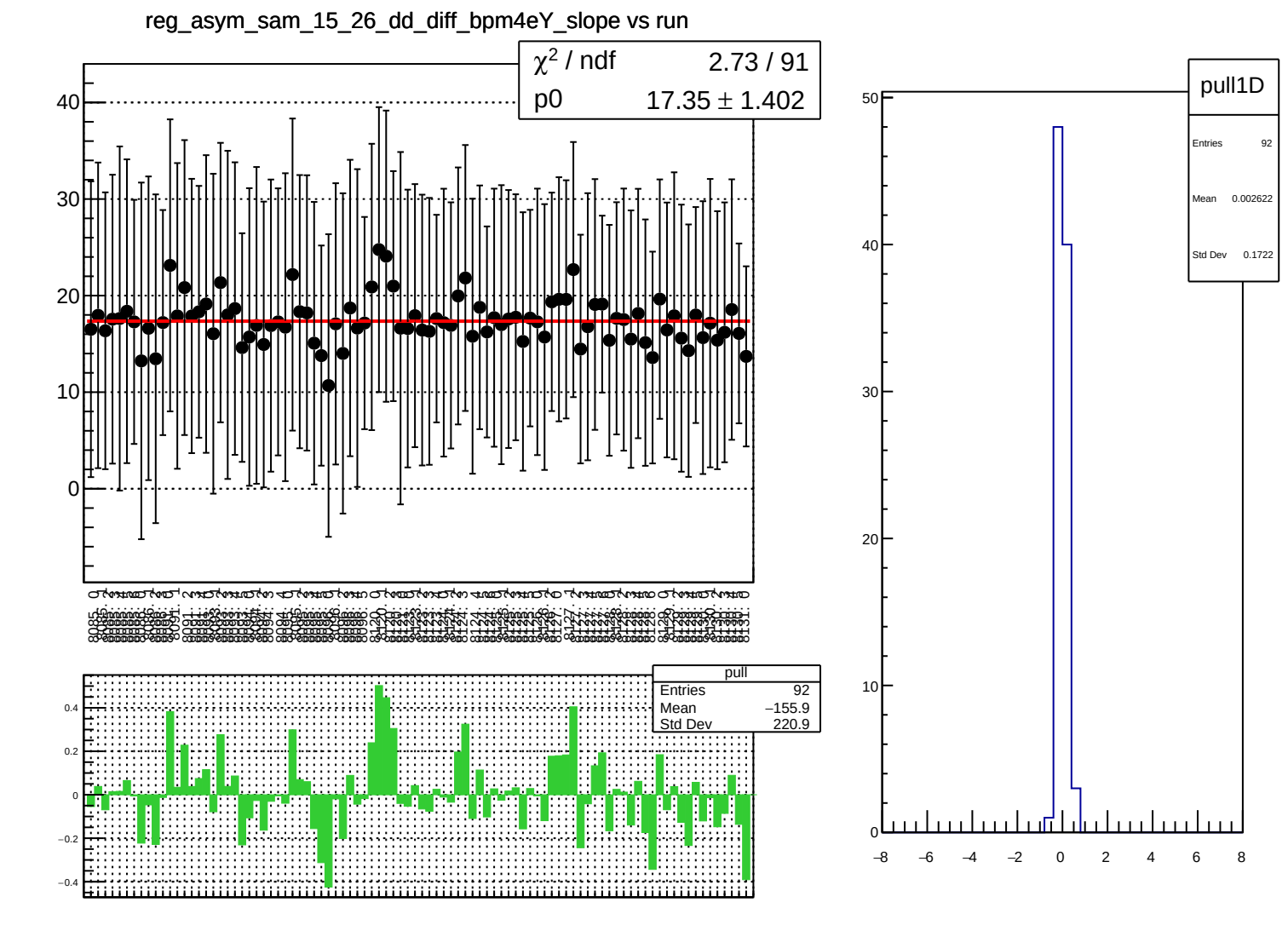

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.057 / 91
p0 4.453 ± 0.8975
pull
Entries 92
Mean −936.2
Std Dev 977.6

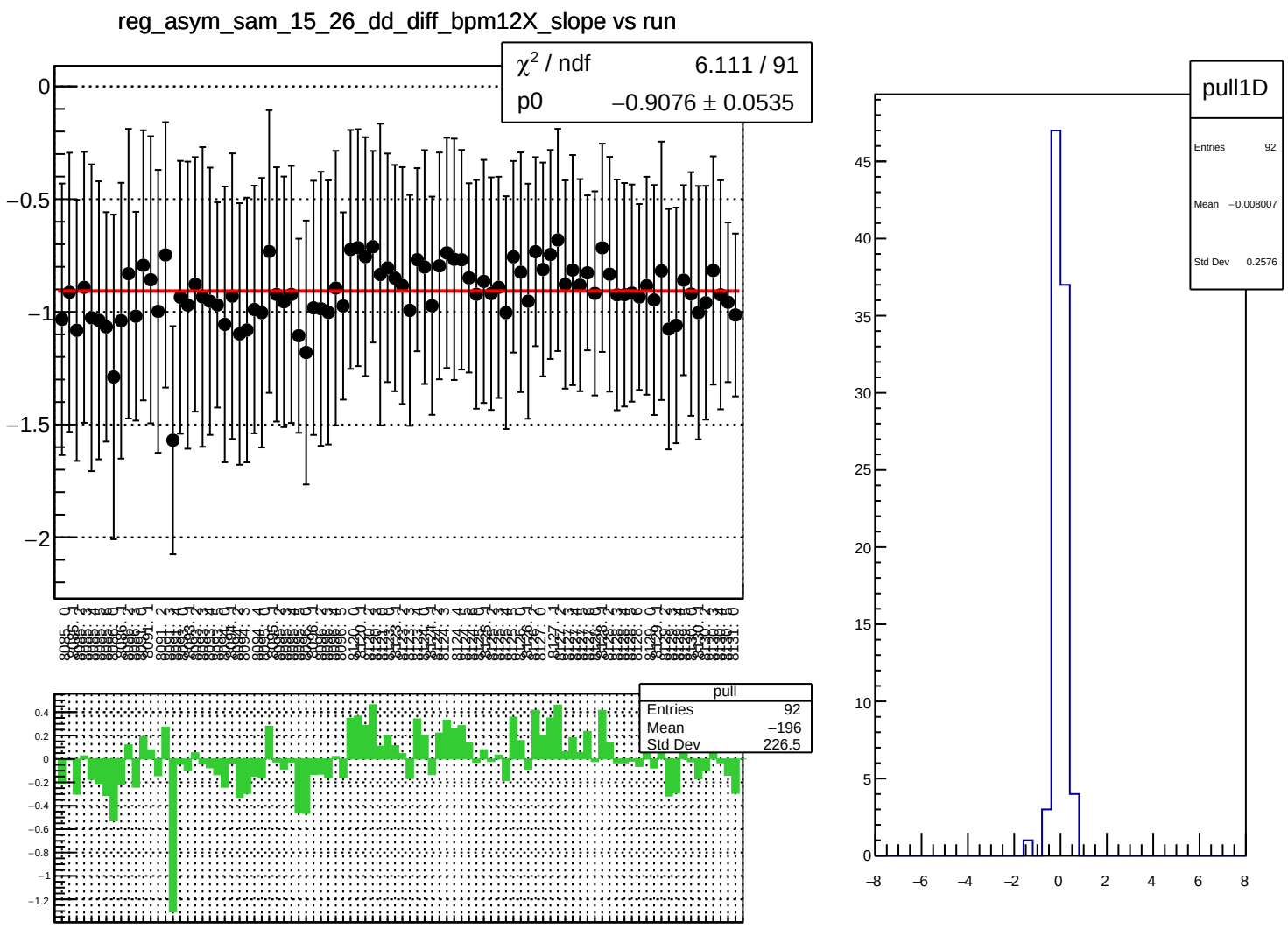

pull1D
Entries 92
Mean −0.003281
Std Dev 0.1823

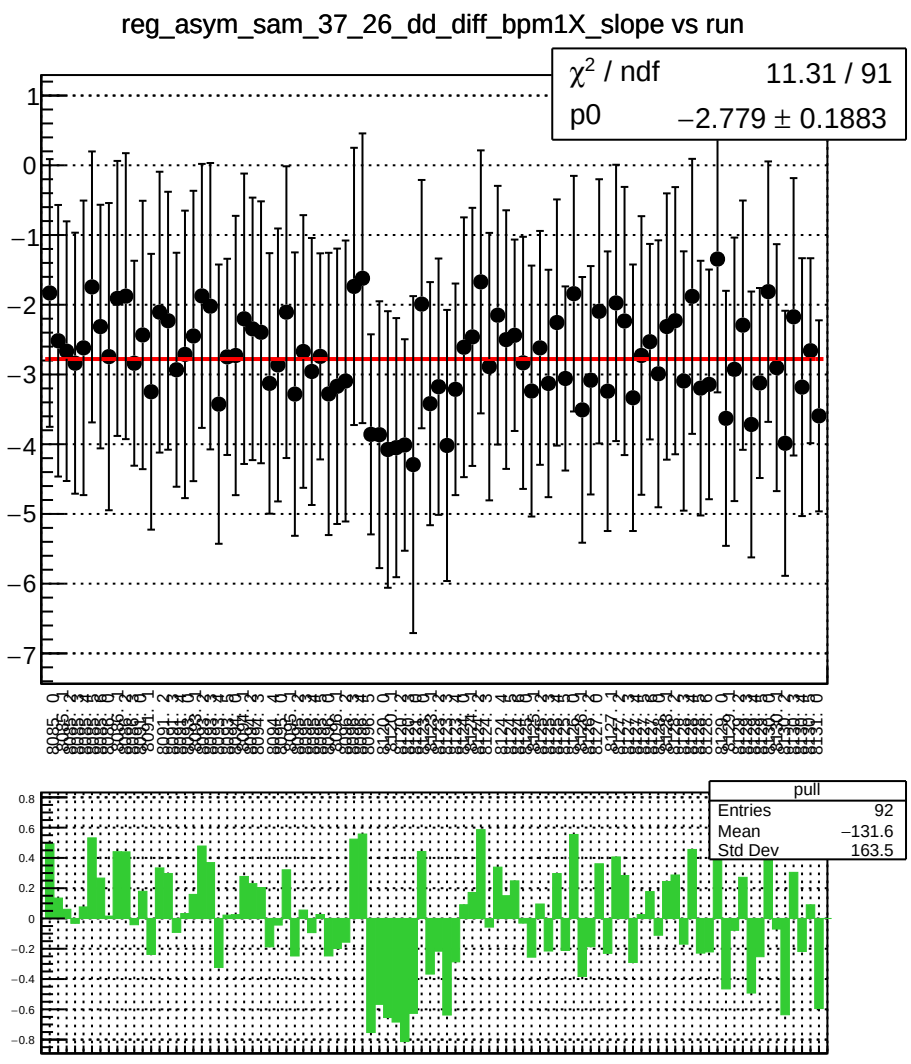

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.715 / 91
p0 30.01 ± 1.313
pull
Entries 92
Mean 54.08
Std Dev 119.9
pull1D
Entries 92
Mean −0.001216
Std Dev 0.1718

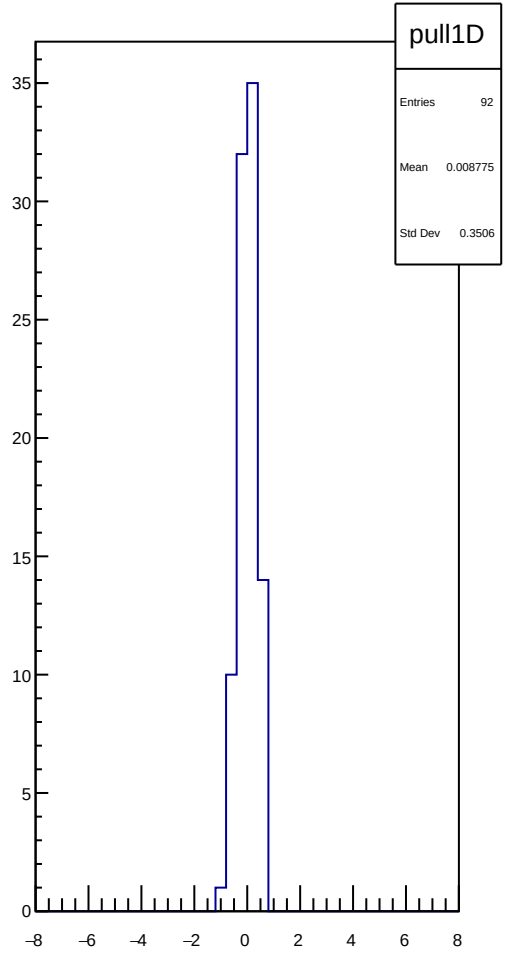

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.702 / 91
p0 32.47 ± 0.8524
pull
Entries 92
Mean −562
Std Dev 602.6

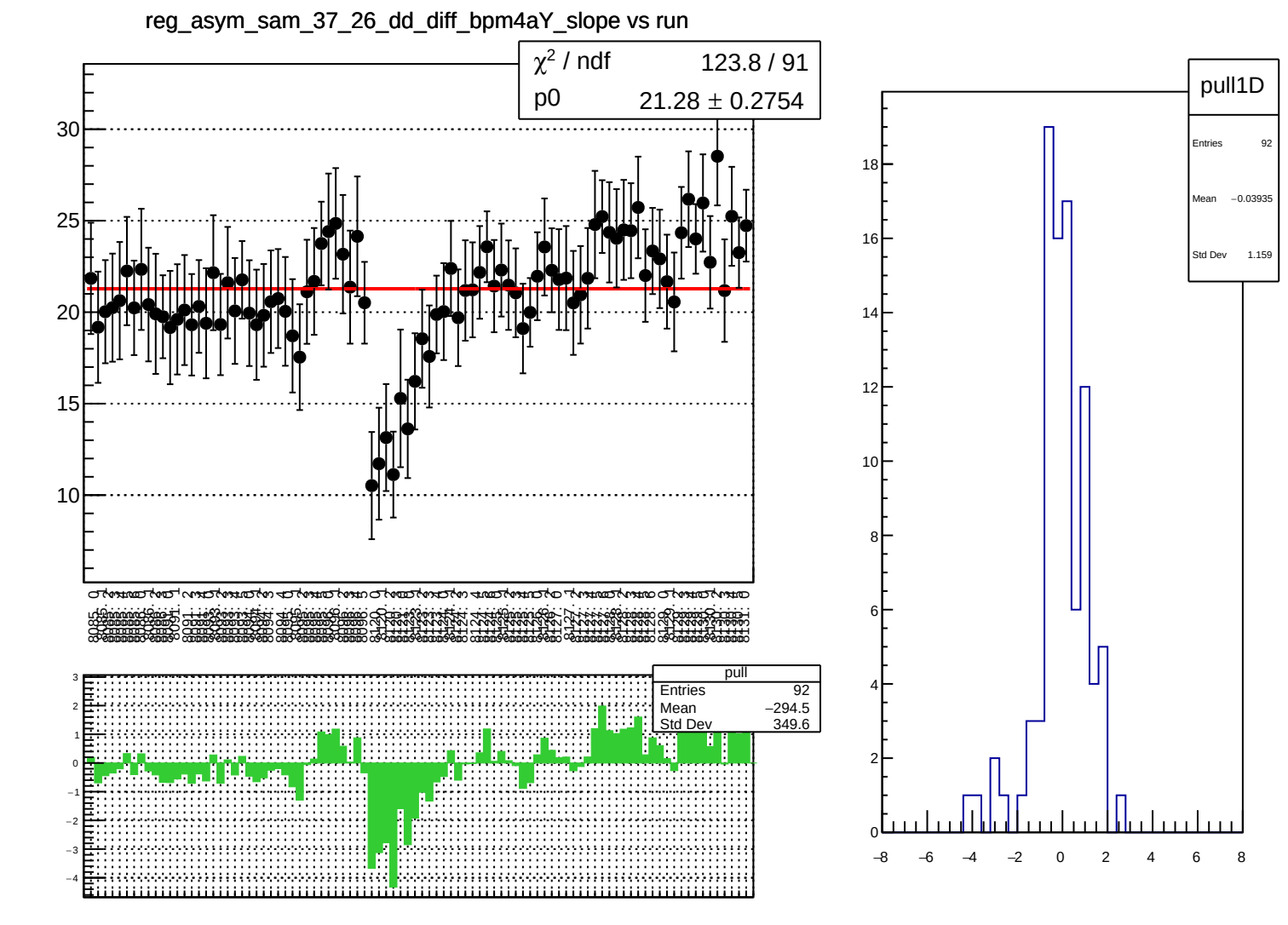

pull1D
Entries 92
Mean 0.006138
Std Dev 0.2005

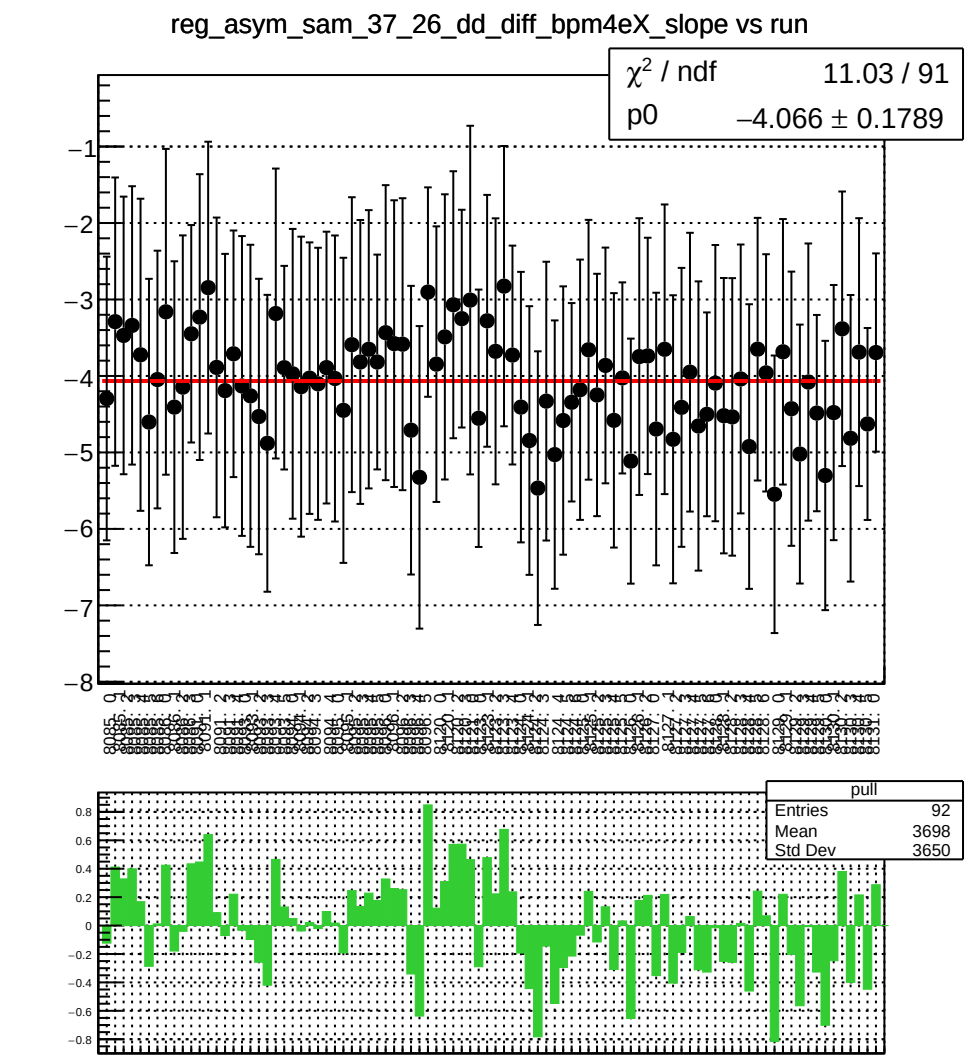

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.73 / 91
p0 17.35 ± 1.402
pull
Entries 92
Mean −155.9
Std Dev 220.9
pull1D
Entries 92
Mean 0.002622
Std Dev 0.1722

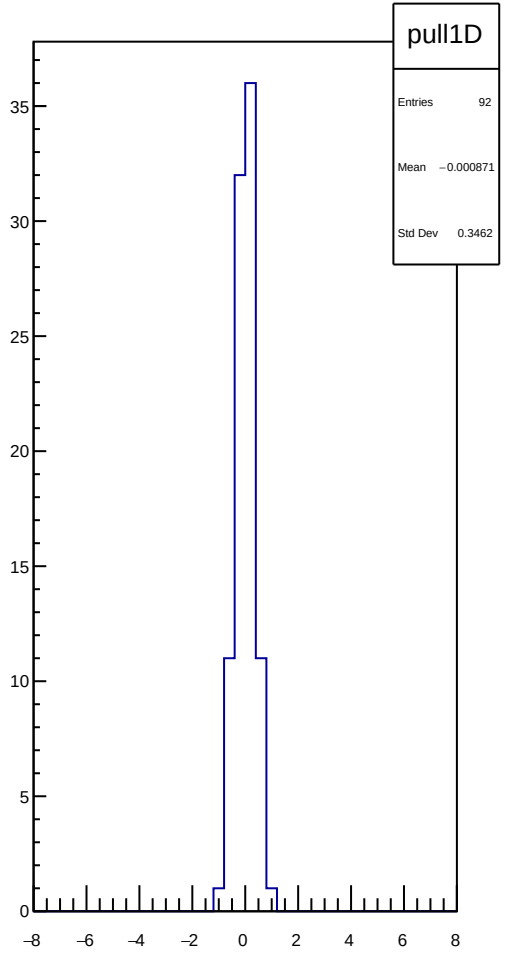

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.111 / 91
p0 −0.9076 ± 0.0535
pull
Entries 92
Mean −196
Std Dev 226.5
pull1D
Entries 92
Mean −0.008007
Std Dev 0.2576

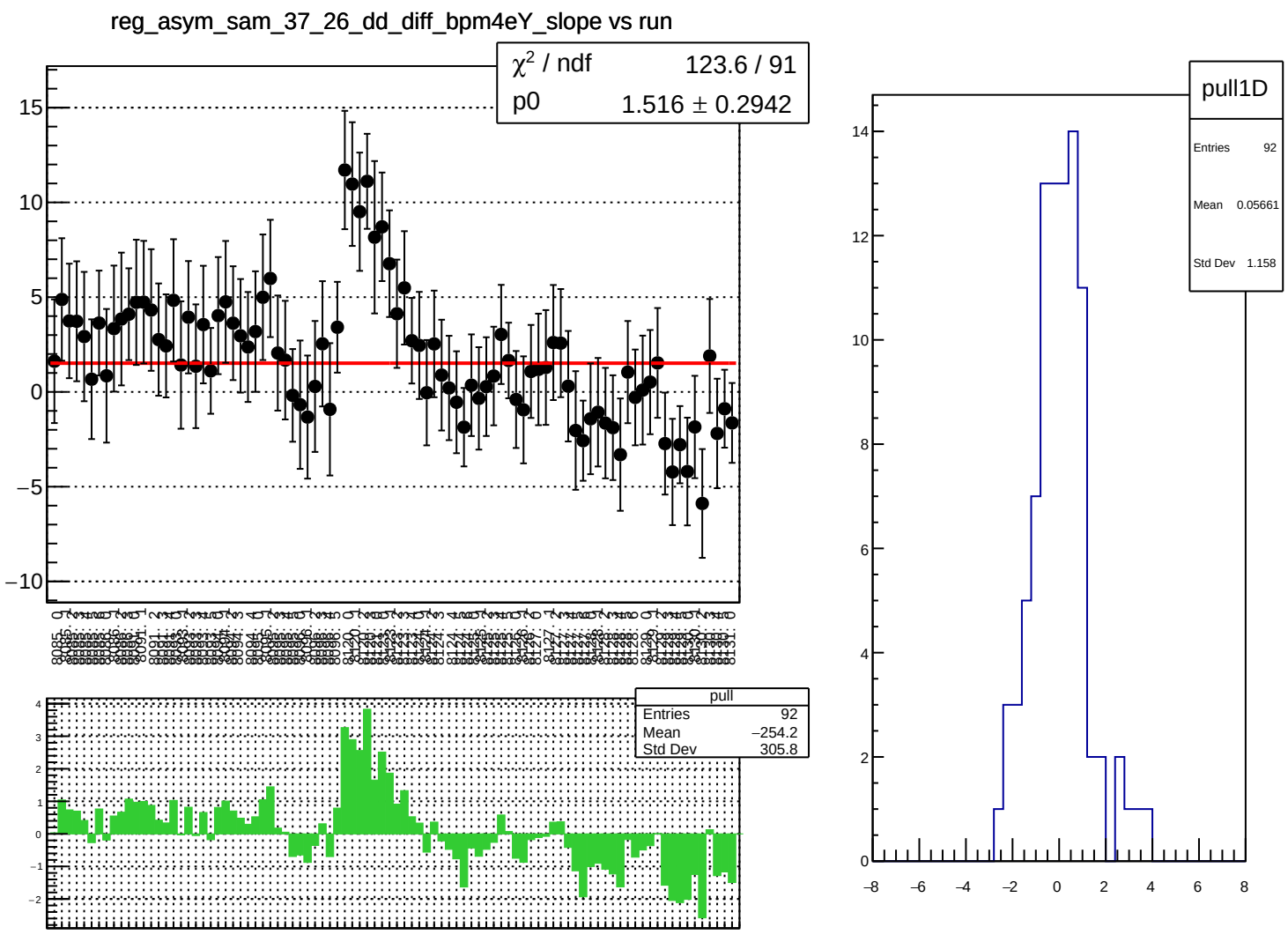

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.31 / 91
p0 −2.779 ± 0.1883
pull
Entries 92
Mean −131.6
Std Dev 163.5

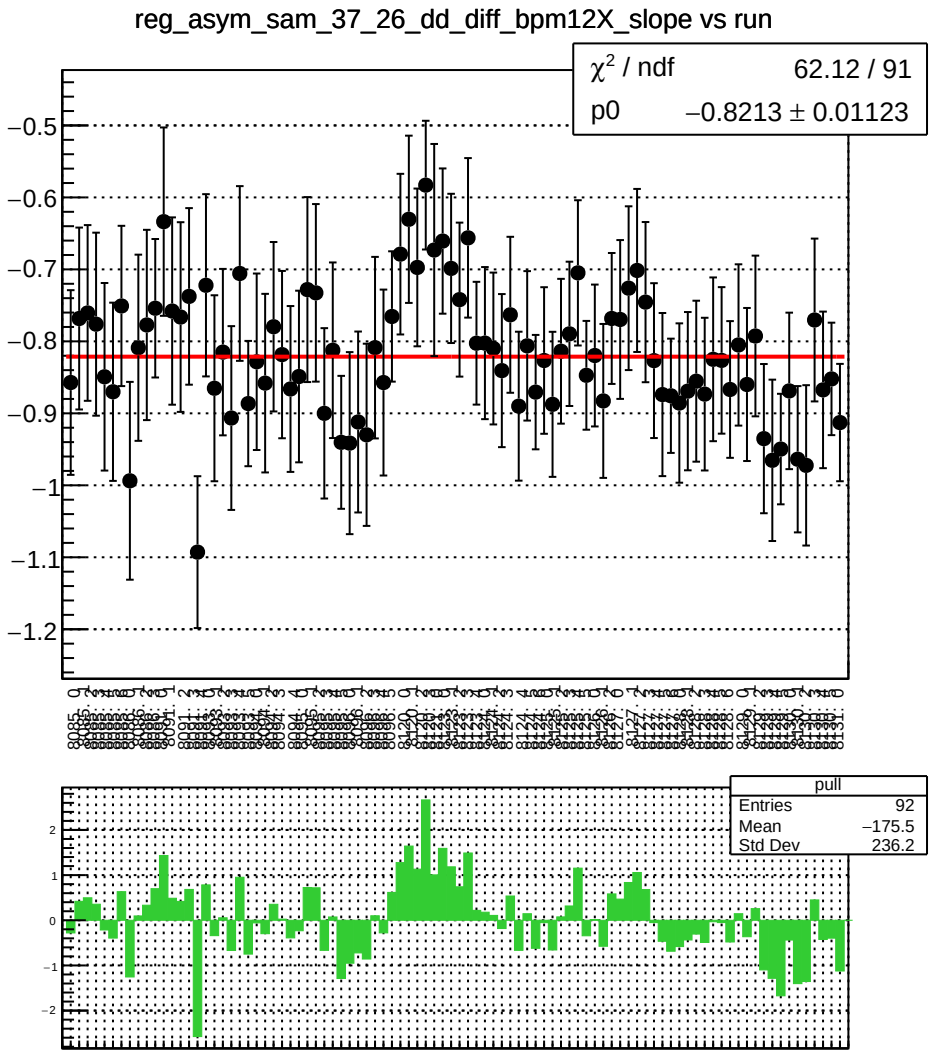

pull1D
Entries 92
Mean 0.008775
Std Dev 0.3506

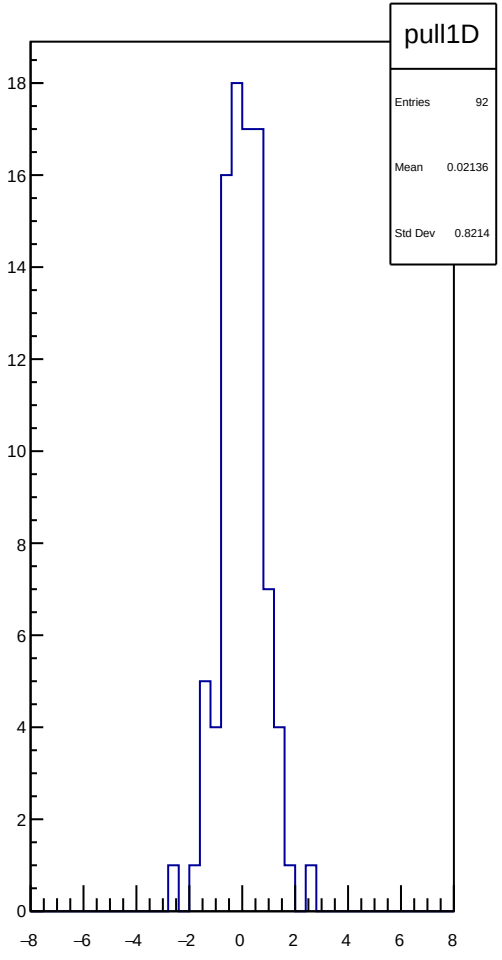

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 123.8 / 91
p0 21.28 ± 0.2754
pull
Entries 92
Mean −294.5
Std Dev 349.6
pull1D
Entries 92
Mean −0.03935
Std Dev 1.159

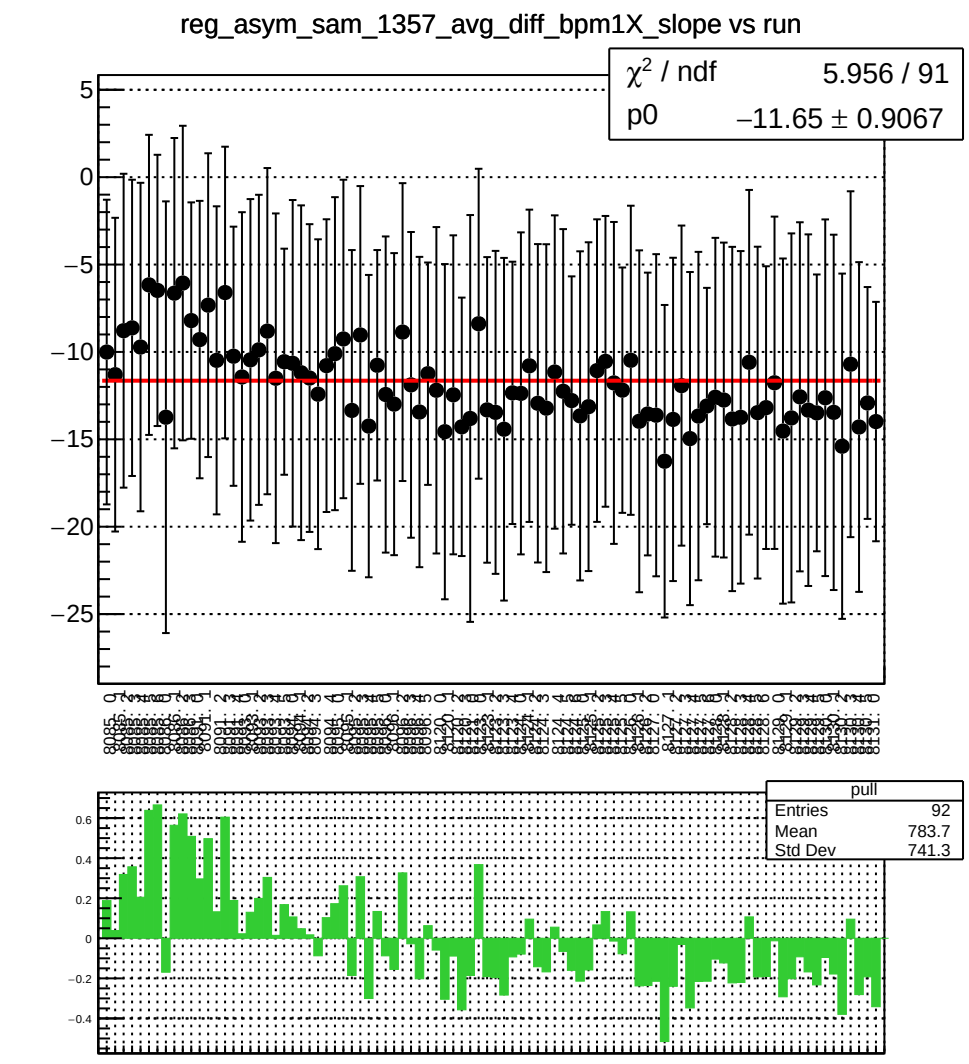

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.03 / 91
p0 −4.066 ± 0.1789
pull
Entries 92
Mean 3698
Std Dev 3650

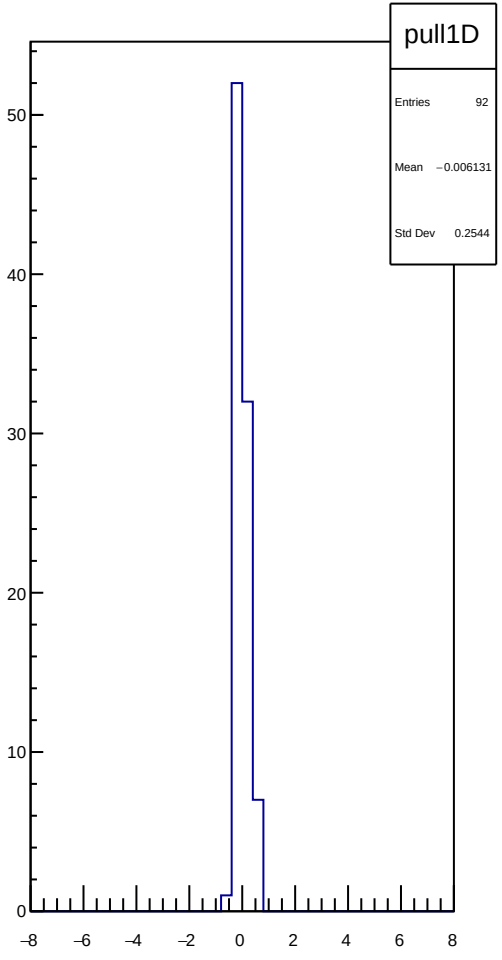

pull1D
Entries 92
Mean −0.000871
Std Dev 0.3462

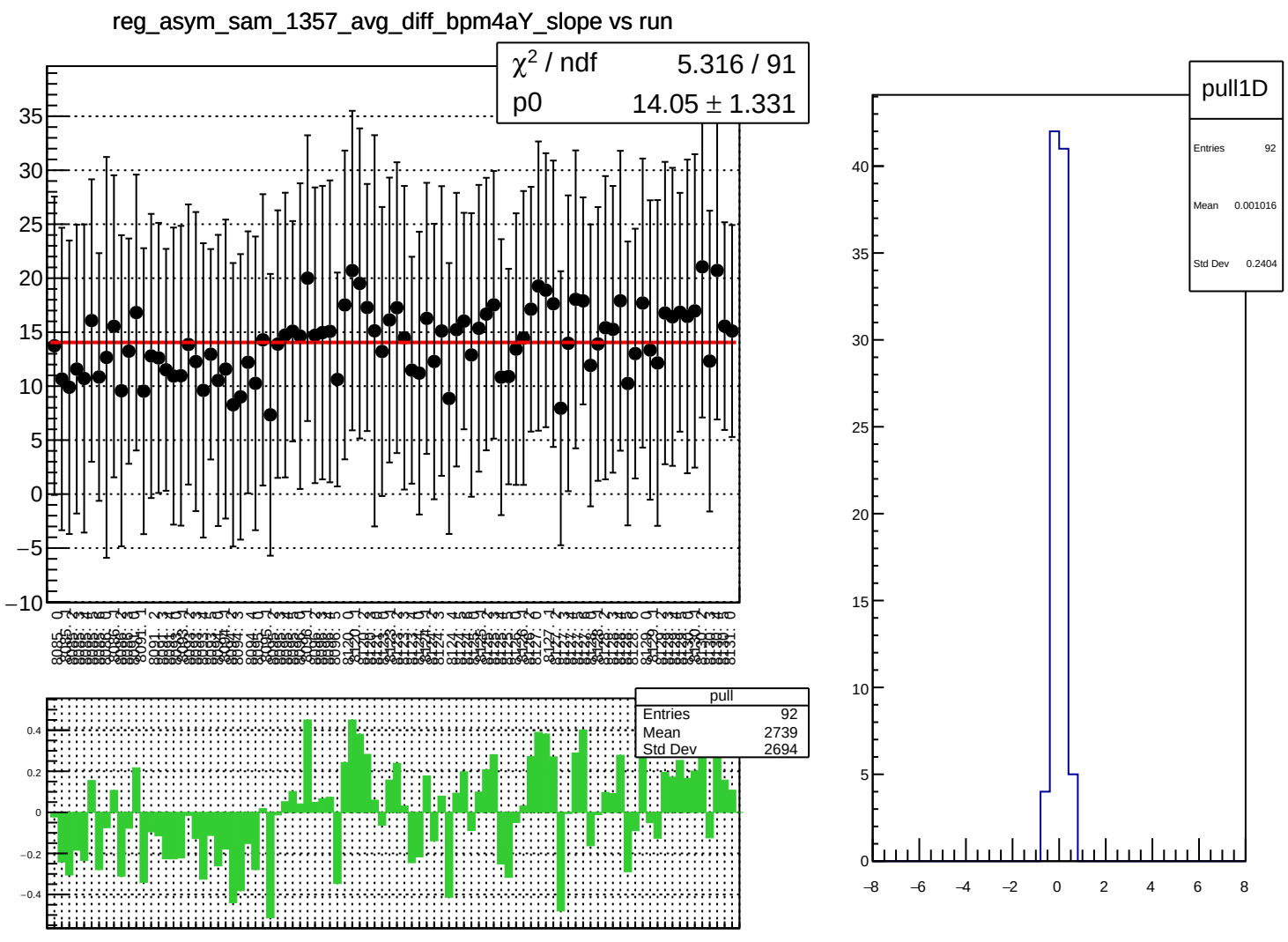

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 123.6 / 91
p0 1.516 ± 0.2942
pull
Entries 92
Mean −254.2
Std Dev 305.8
pull1D
Entries 92
Mean 0.05661
Std Dev 1.158

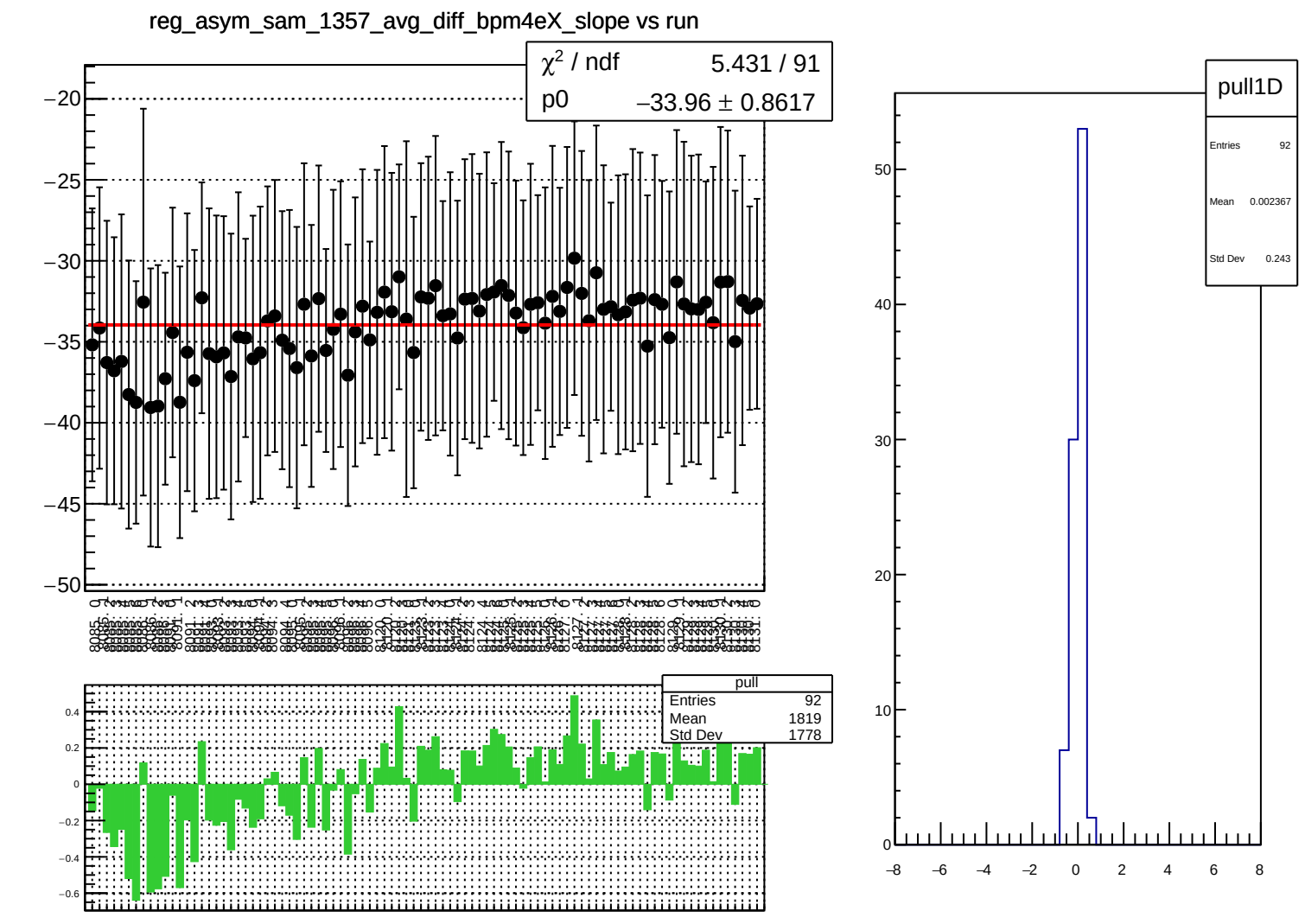

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 62.12 / 91
p0 −0.8213 ± 0.01123
pull
Entries 92
Mean −175.5
Std Dev 236.2

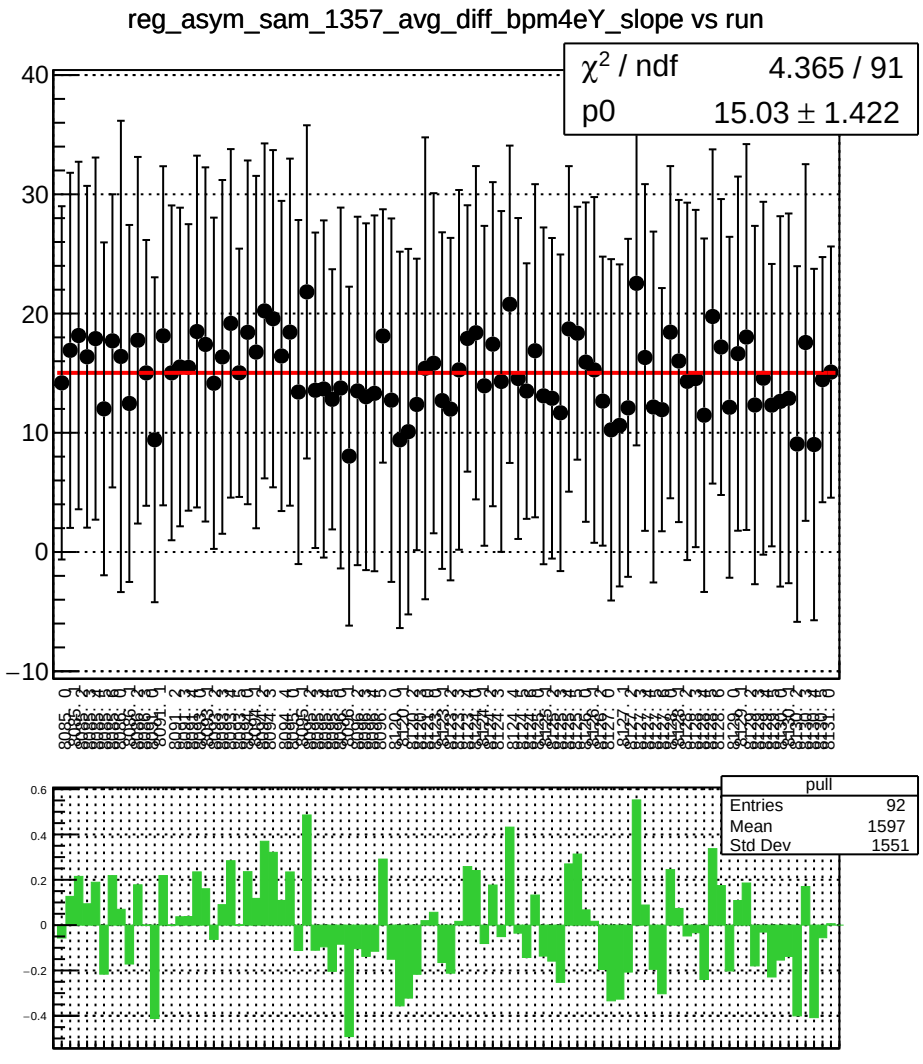

pull1D
Entries 92
Mean 0.02136
Std Dev 0.8214

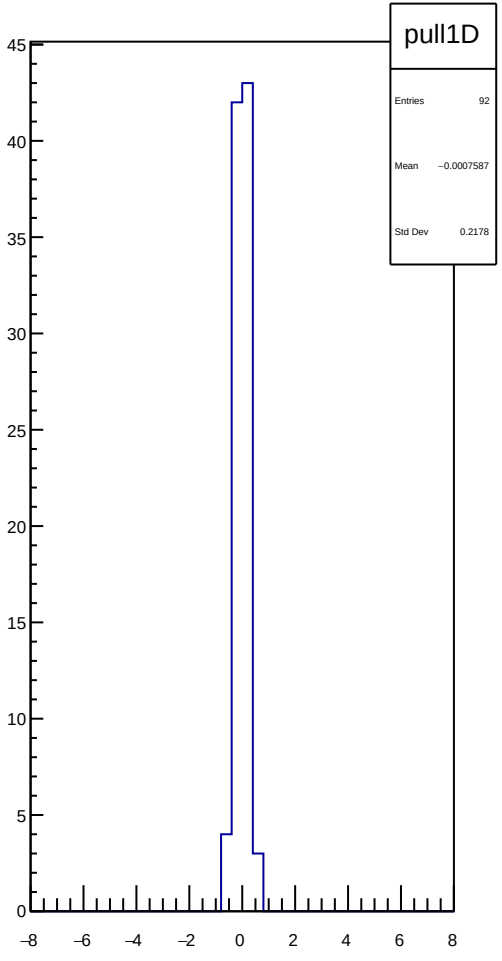

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 5.956 / 91
p0 −11.65 ± 0.9067
pull
Entries 92
Mean 783.7
Std Dev 741.3

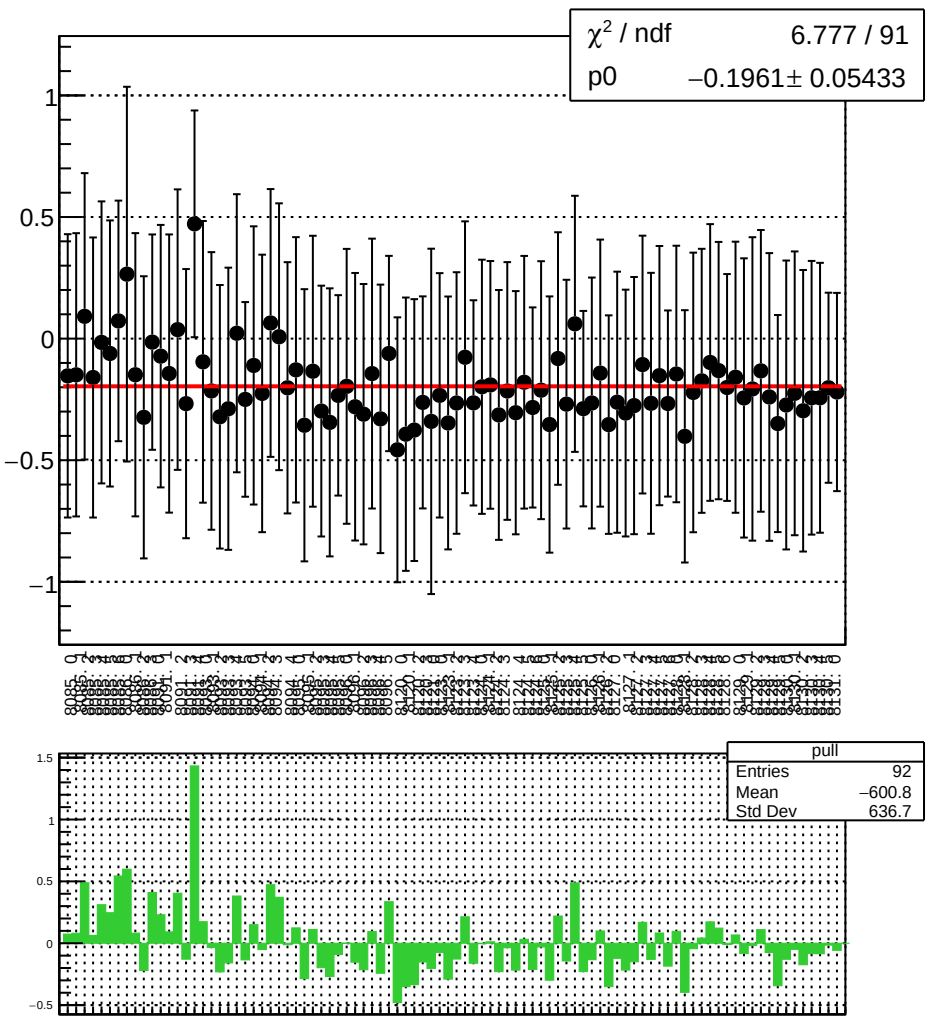

pull1D
Entries 92
Mean −0.006131
Std Dev 0.2544

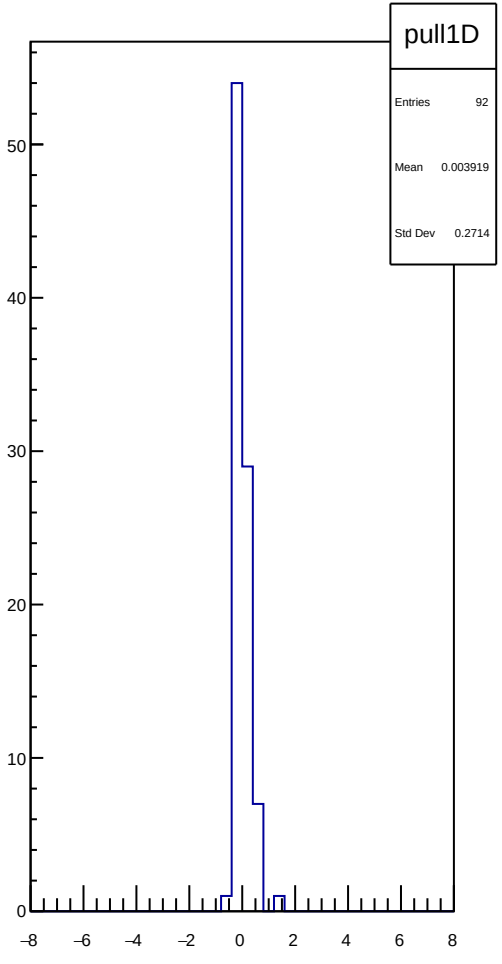

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.316 / 91
p0 14.05 ± 1.331
pull
Entries 92
Mean 2739
Std Dev 2694
pull1D
Entries 92
Mean 0.001016
Std Dev 0.2404

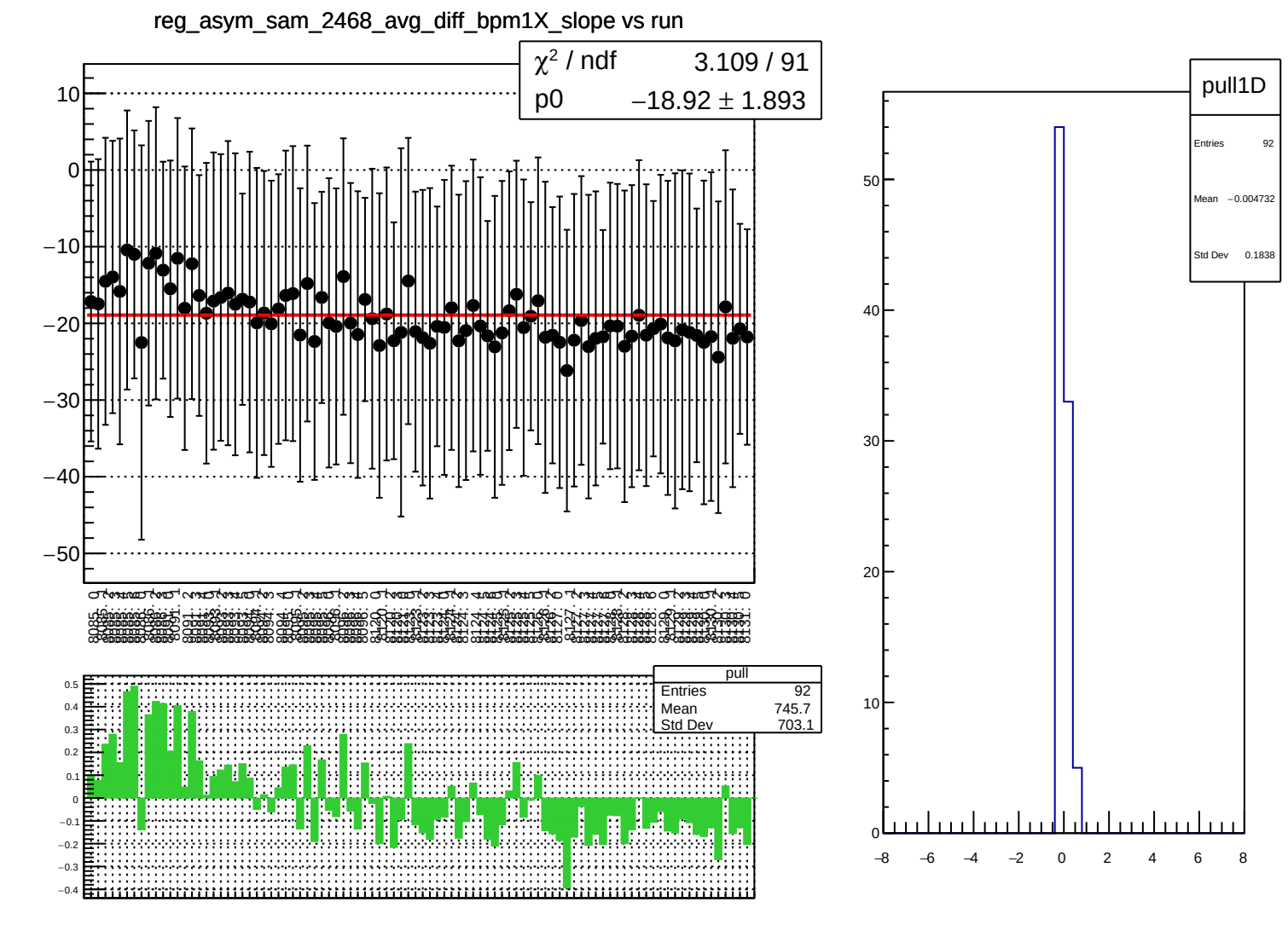

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.431 / 91
p0 −33.96 ± 0.8617
pull
Entries 92
Mean 1819
Std Dev 1778
pull1D
Entries 92
Mean 0.002367
Std Dev 0.243

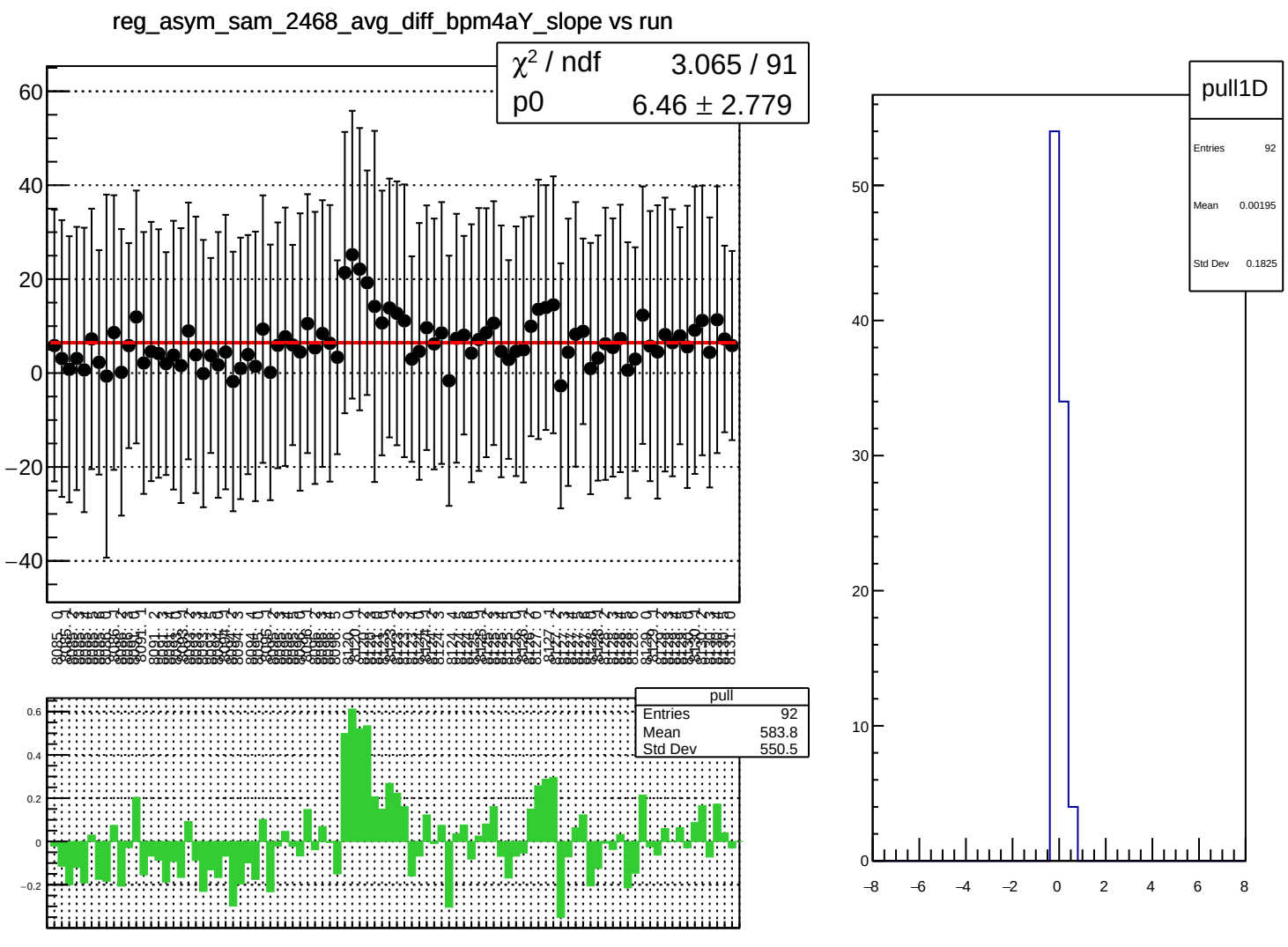

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.365 / 91
p0 15.03 ± 1.422
pull
Entries 92
Mean 1597
Std Dev 1551

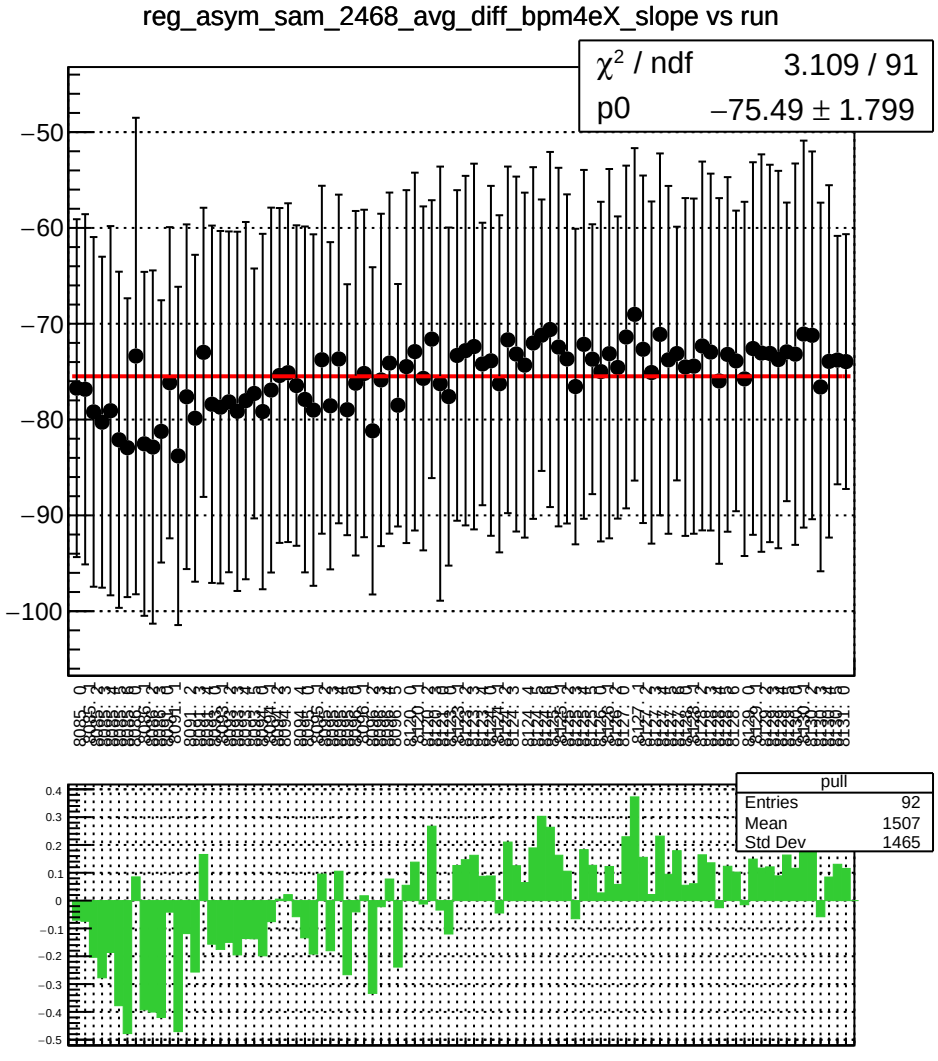

pull1D
Entries 92
Mean −0.0007587
Std Dev 0.2178

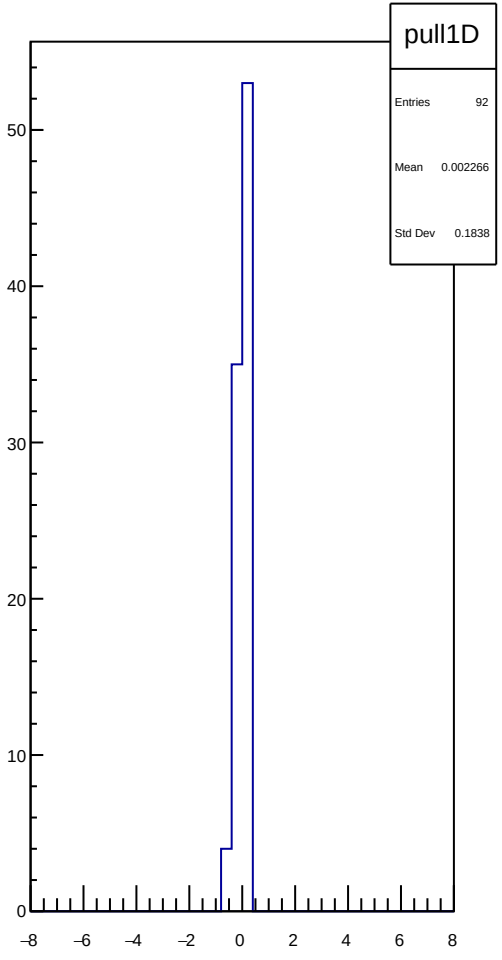

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 6.777 / 91
p0 −0.1961± 0.05433
pull
Entries 92
Mean −600.8
Std Dev 636.7

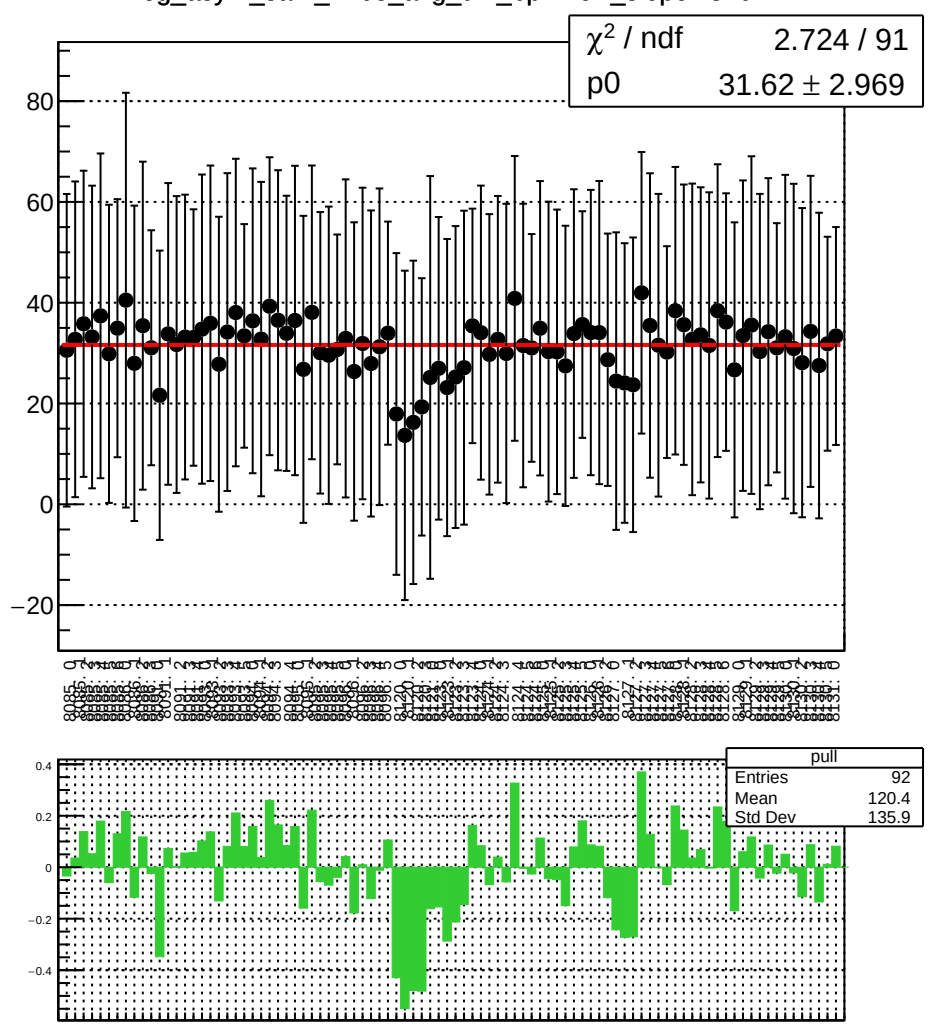

pull1D
Entries 92
Mean 0.003919
Std Dev 0.2714

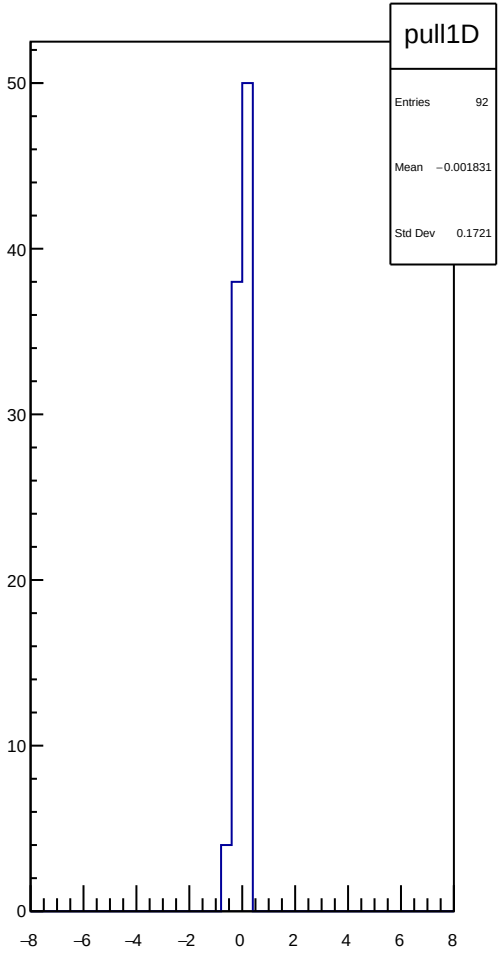

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 3.109 / 91
p0 −18.92 ± 1.893
pull
Entries 92
Mean 745.7
Std Dev 703.1
pull1D
Entries 92
Mean −0.004732
Std Dev 0.1838

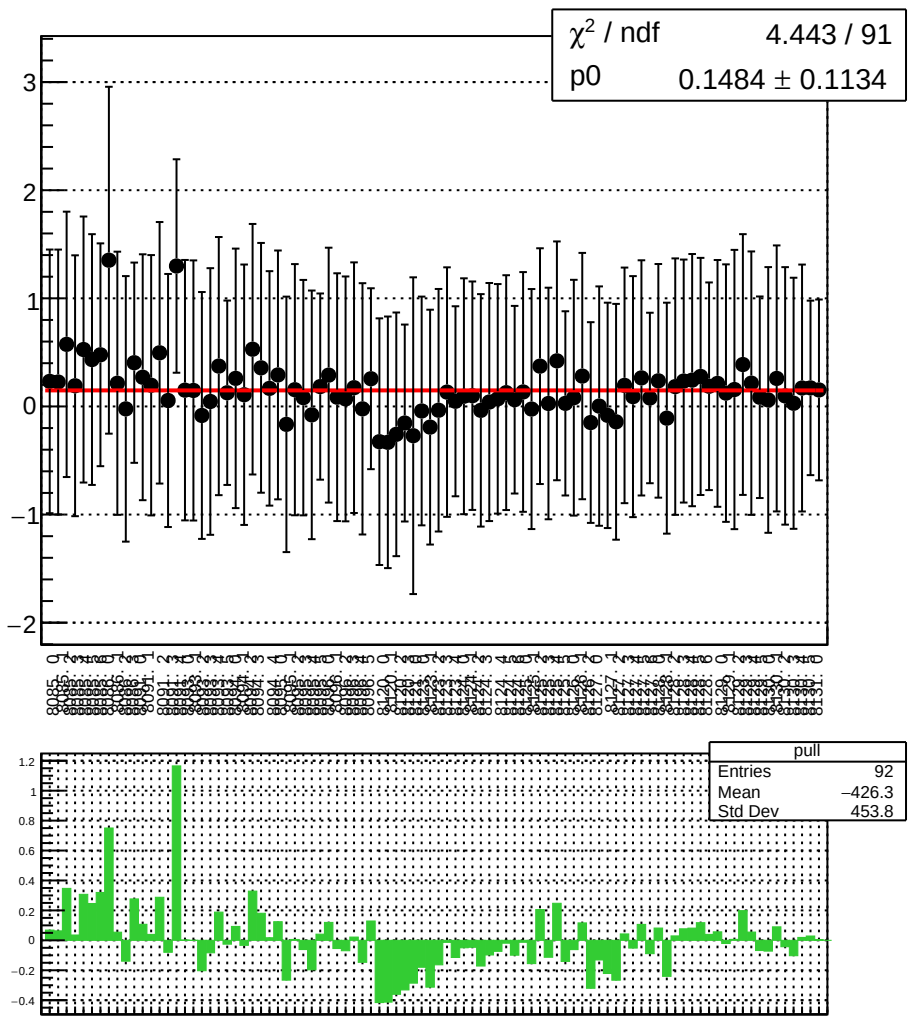

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.065 / 91
p0 6.46 ± 2.779
pull
Entries 92
Mean 583.8
Std Dev 550.5
pull1D
Entries 92
Mean 0.00195
Std Dev 0.1825

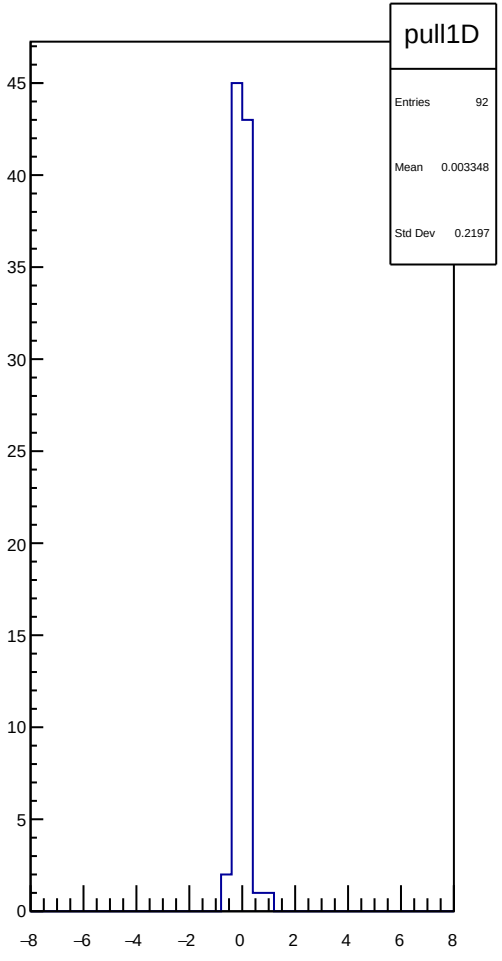

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.109 / 91
p0 −75.49 ± 1.799
pull
Entries 92
Mean 1507
Std Dev 1465

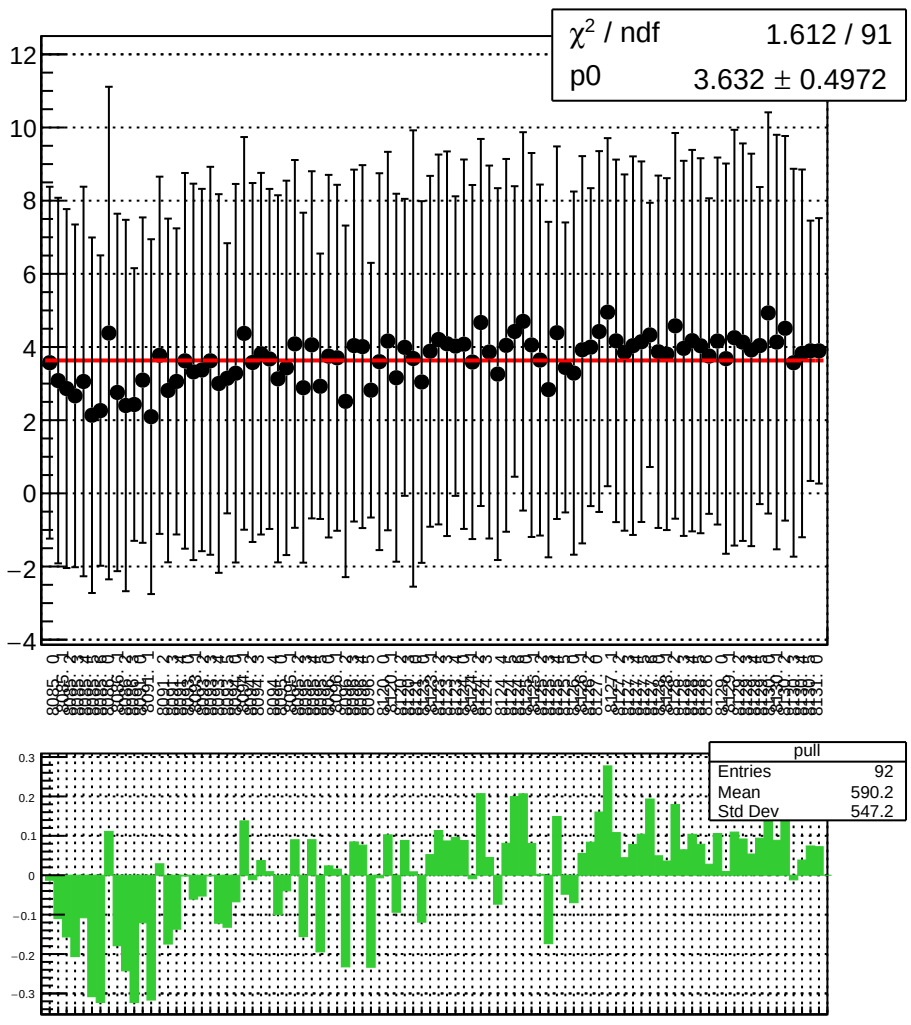

pull1D
Entries 92
Mean 0.002266
Std Dev 0.1838

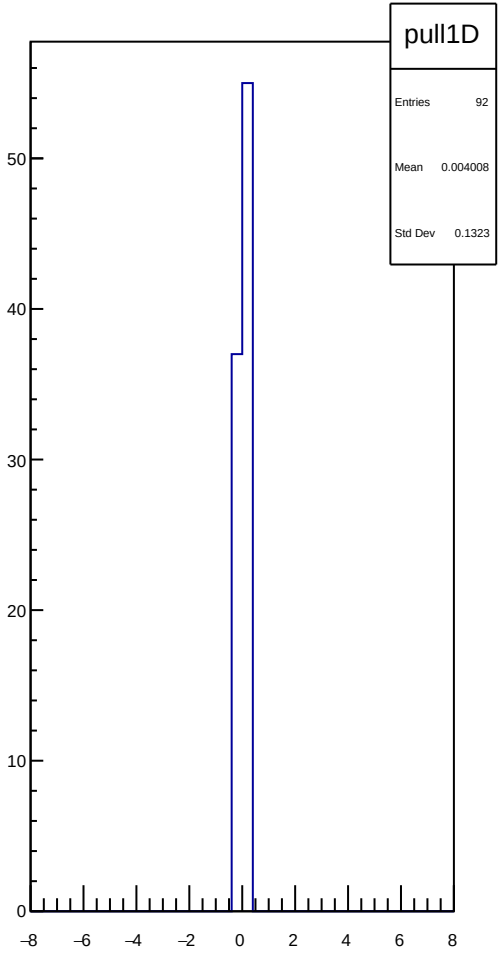

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.724 / 91
p0 31.62 ± 2.969
pull
Entries 92
Mean 120.4
Std Dev 135.9

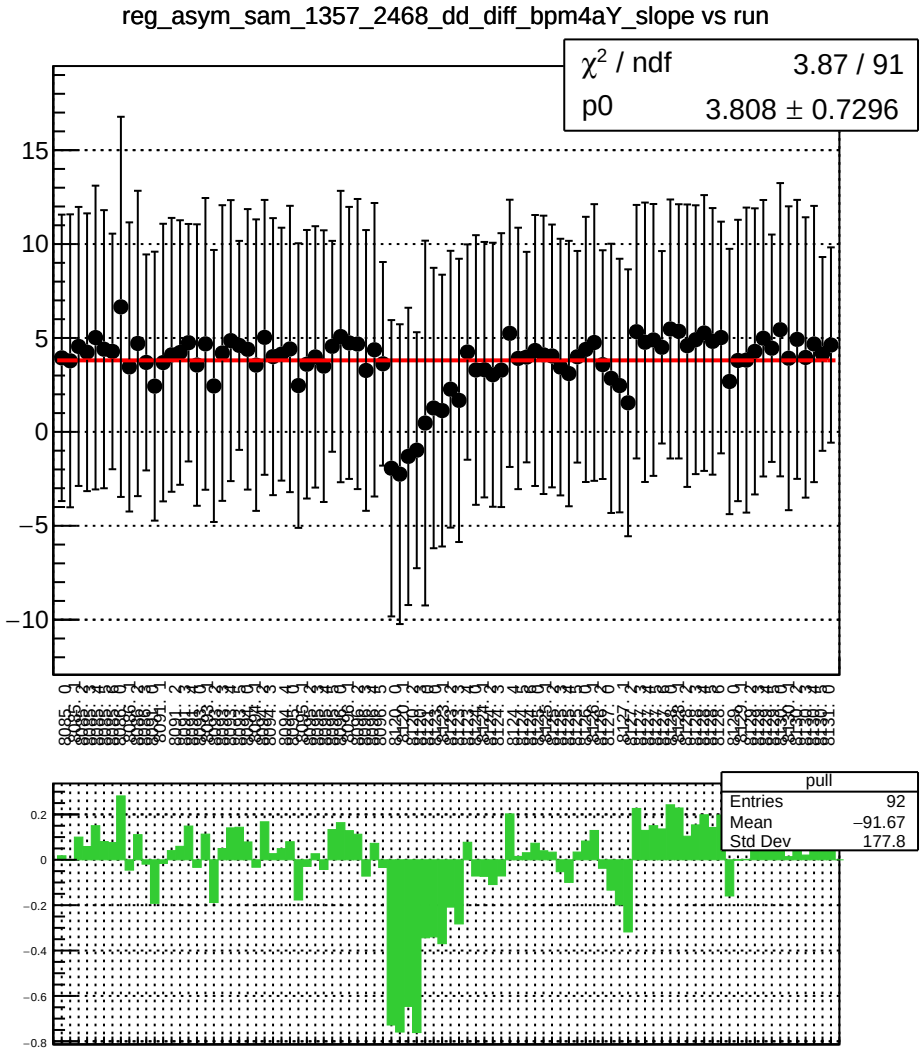

pull1D
Entries 92
Mean −0.001831
Std Dev 0.1721

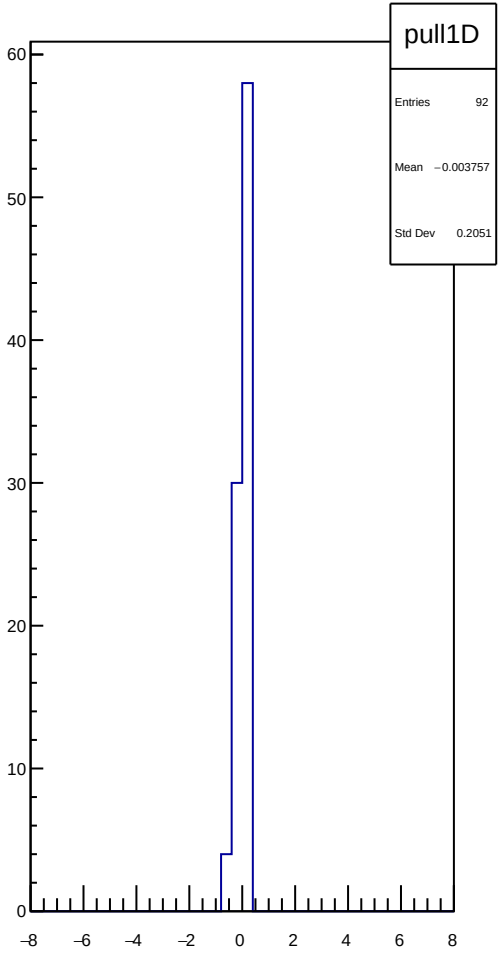

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 4.443 / 91
p0 0.1484 ± 0.1134
pull
Entries 92
Mean −426.3
Std Dev 453.8

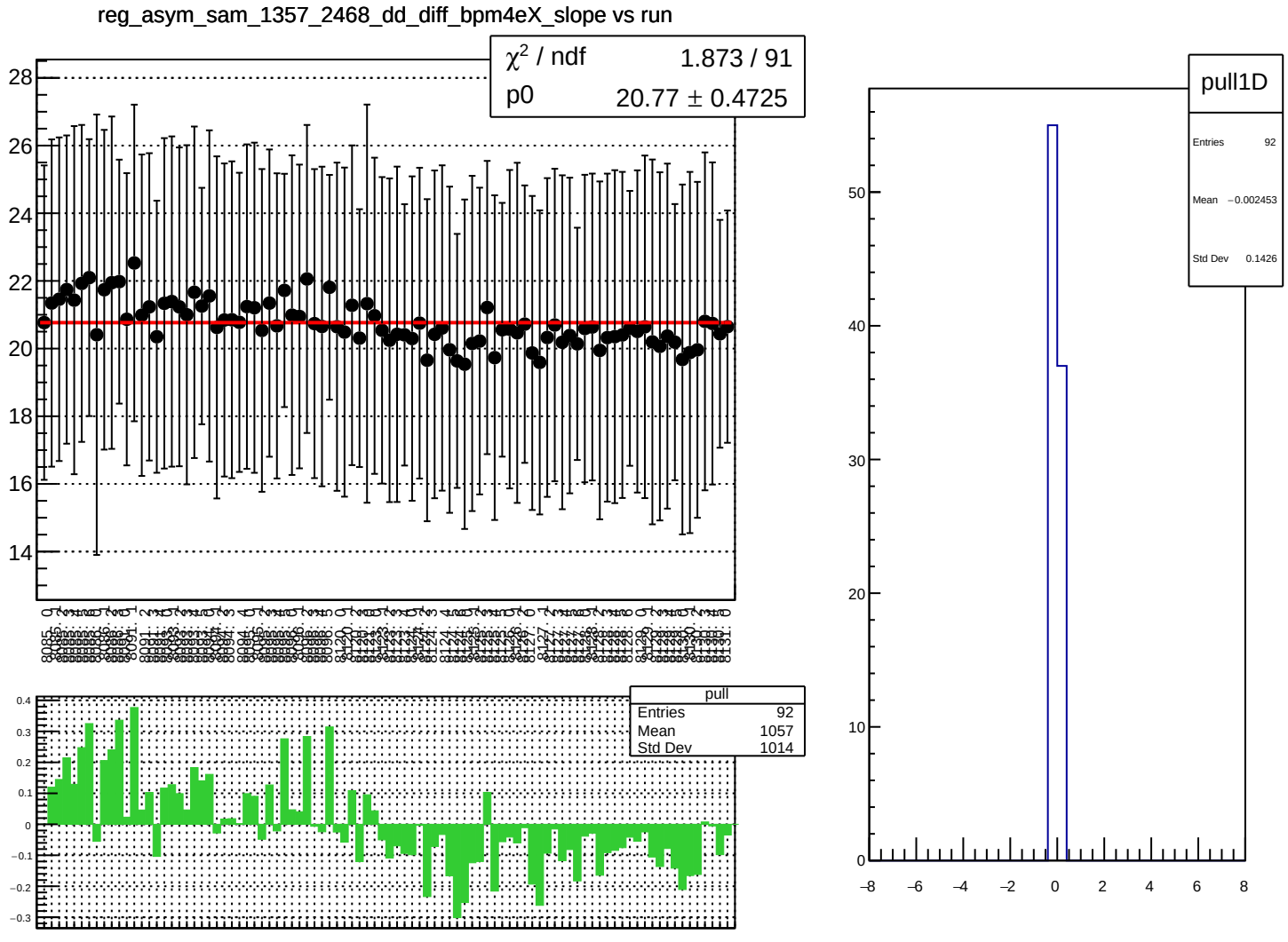

pull1D
Entries 92
Mean 0.003348
Std Dev 0.2197

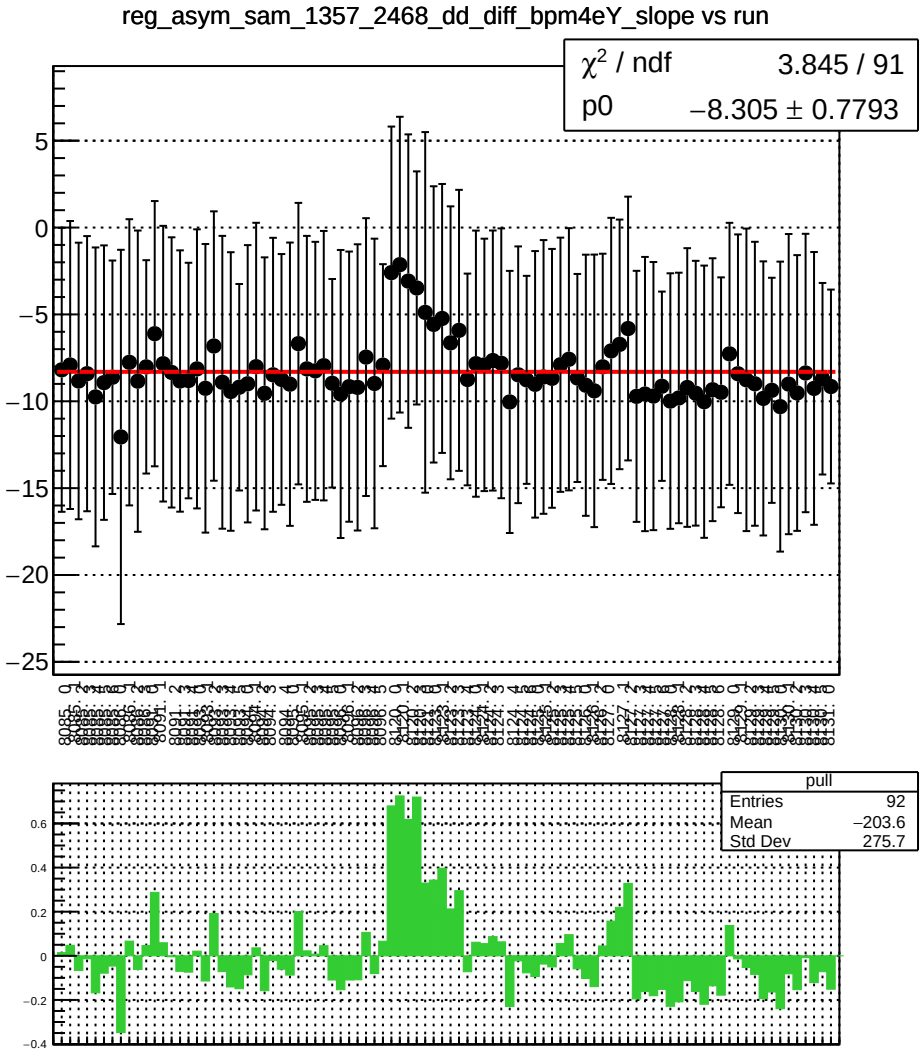

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1.612 / 91
p0 3.632 ± 0.4972
pull
Entries 92
Mean 590.2
Std Dev 547.2

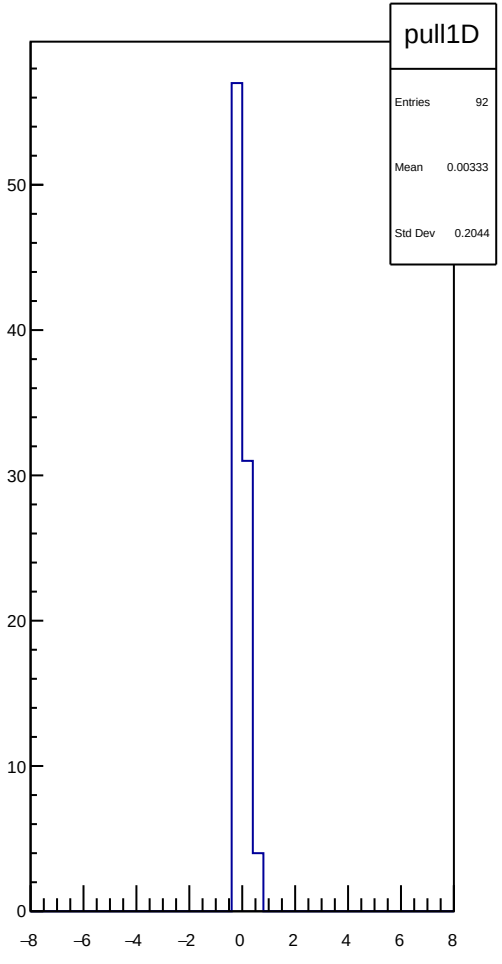

pull1D
Entries 92
Mean 0.004008
Std Dev 0.1323

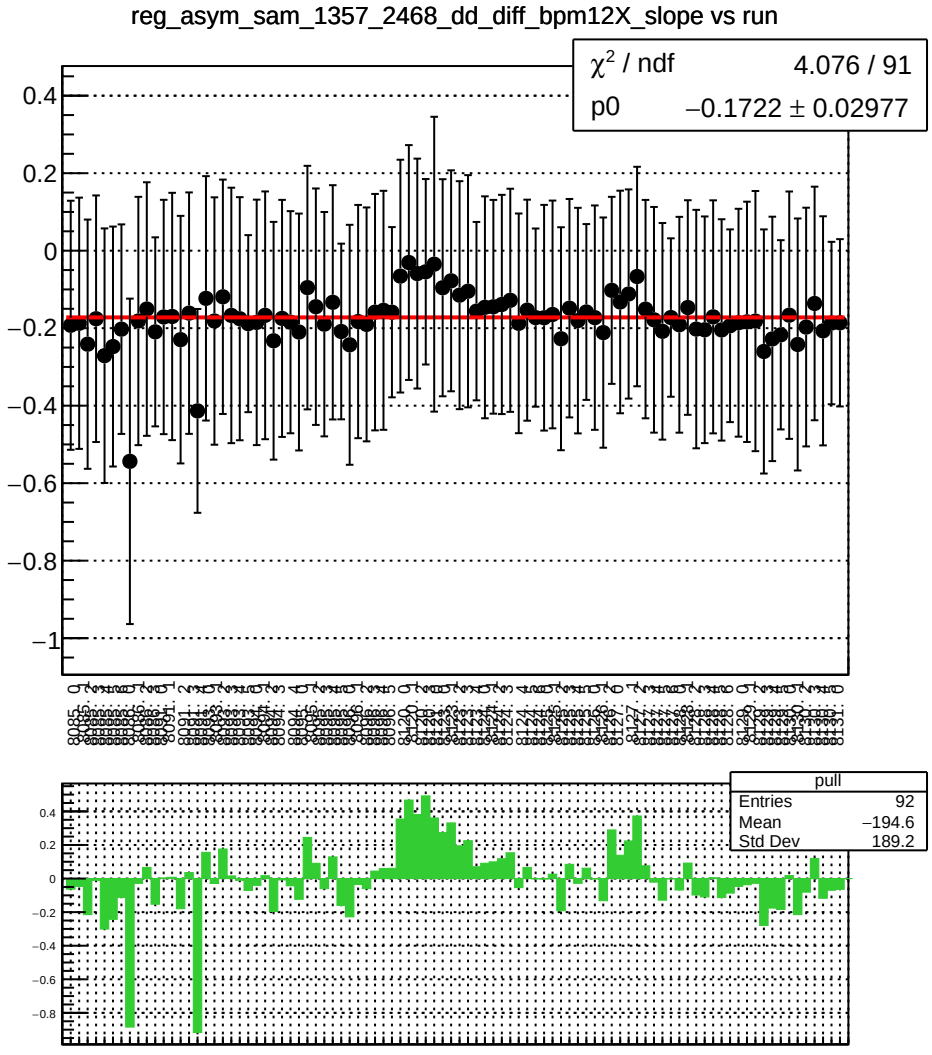

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.87 / 91
p0 3.808 ± 0.7296
pull
Entries 92
Mean −91.67
Std Dev 177.8

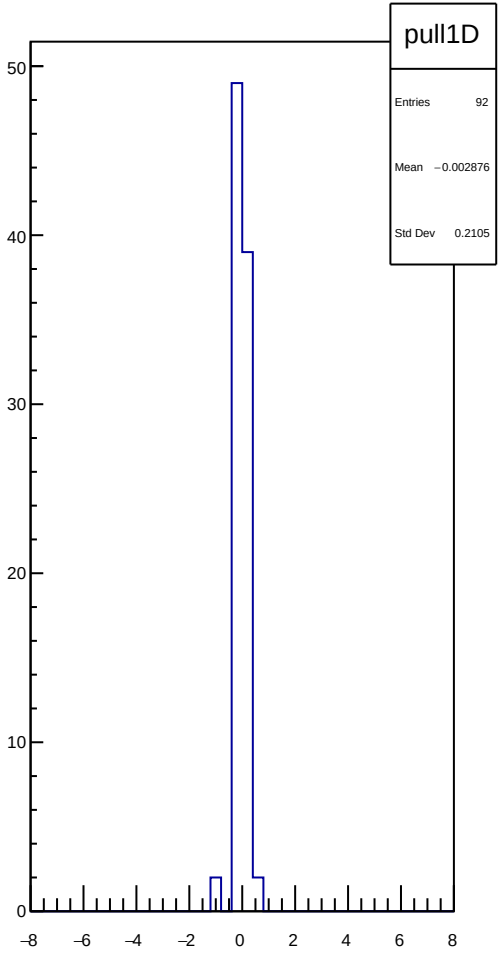

pull1D
Entries 92
Mean −0.003757
Std Dev 0.2051

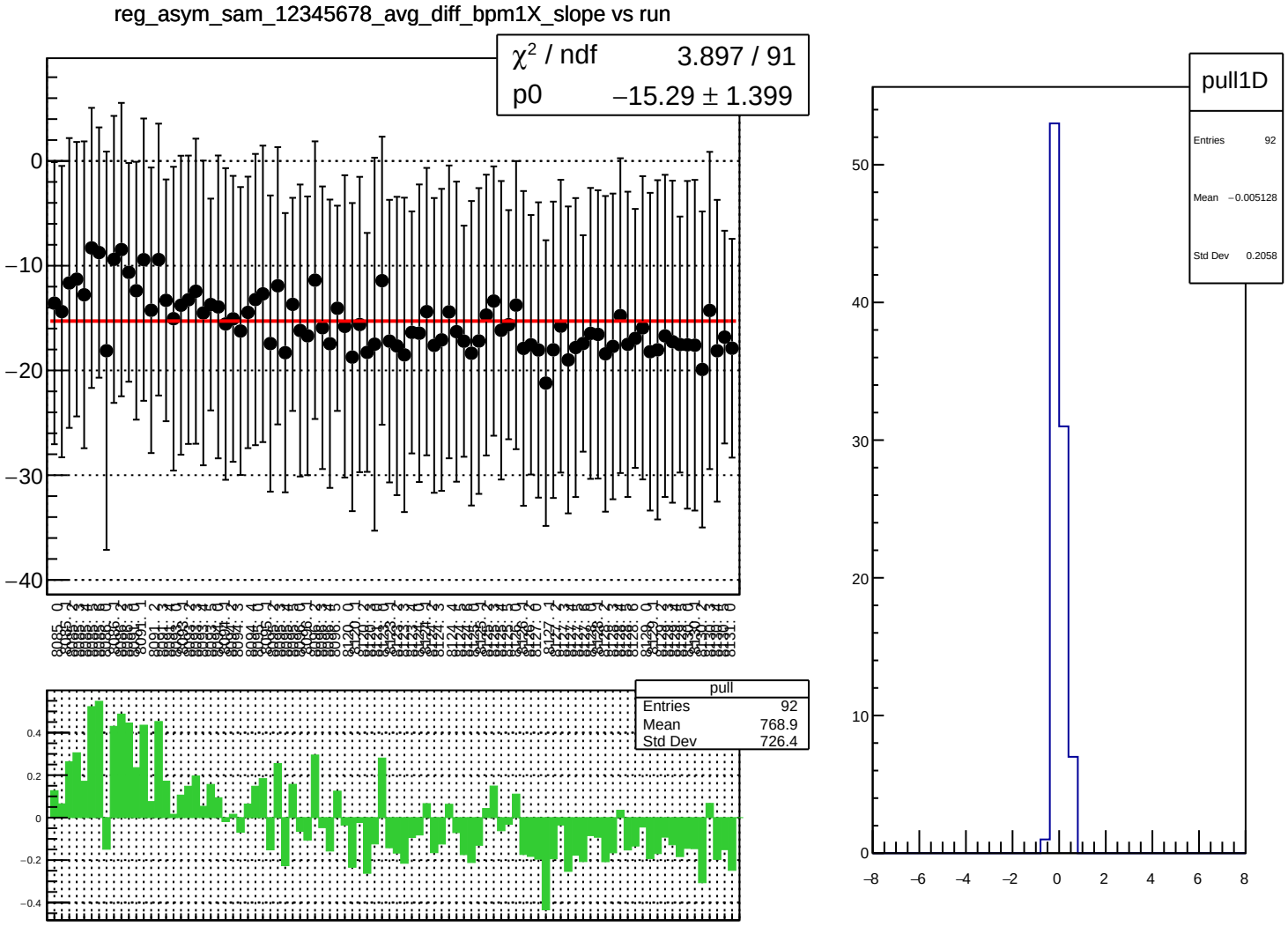

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.873 / 91
p0 20.77 ± 0.4725
pull
Entries 92
Mean 1057
Std Dev 1014
pull1D
Entries 92
Mean −0.002453
Std Dev 0.1426

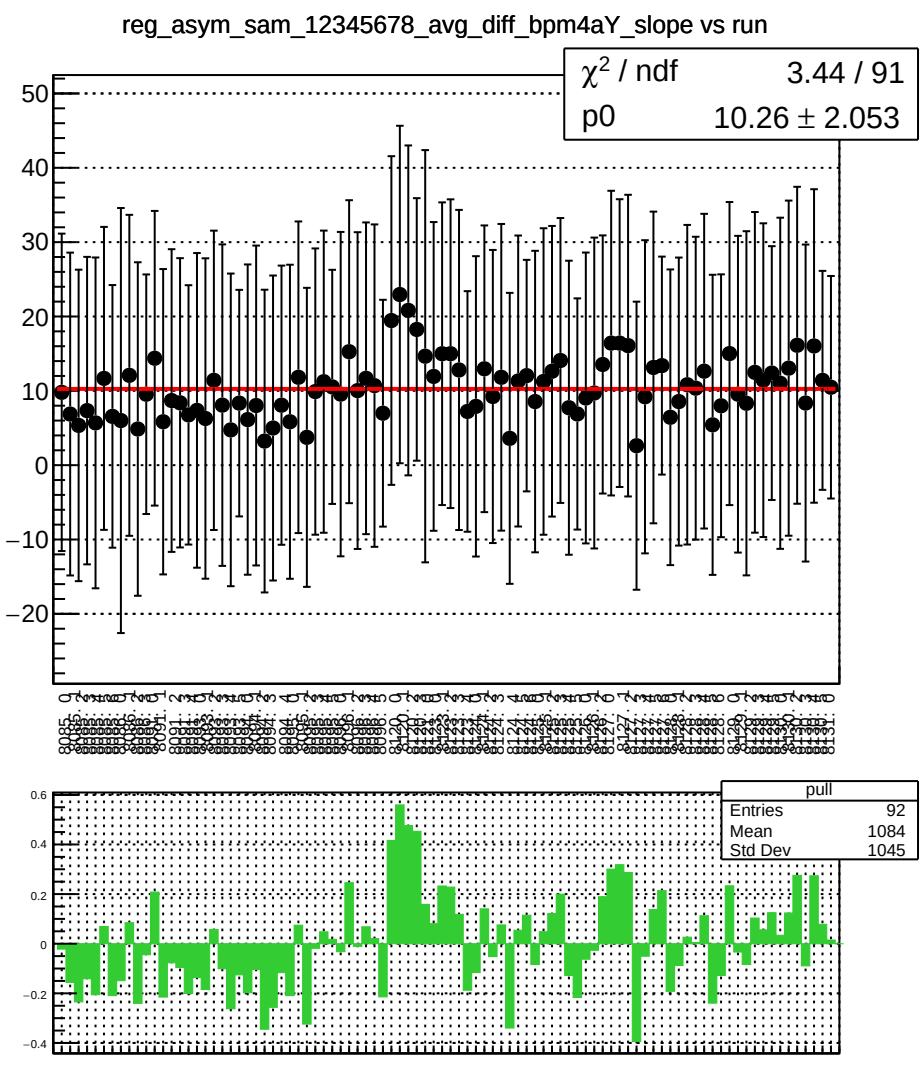

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.845 / 91
p0 −8.305 ± 0.7793
pull
Entries 92
Mean −203.6
Std Dev 275.7

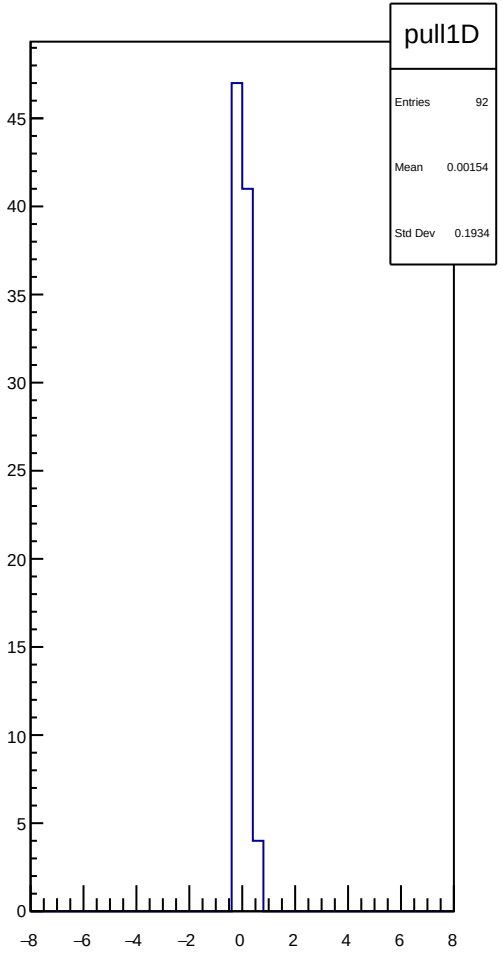

pull1D
Entries 92
Mean 0.00333
Std Dev 0.2044

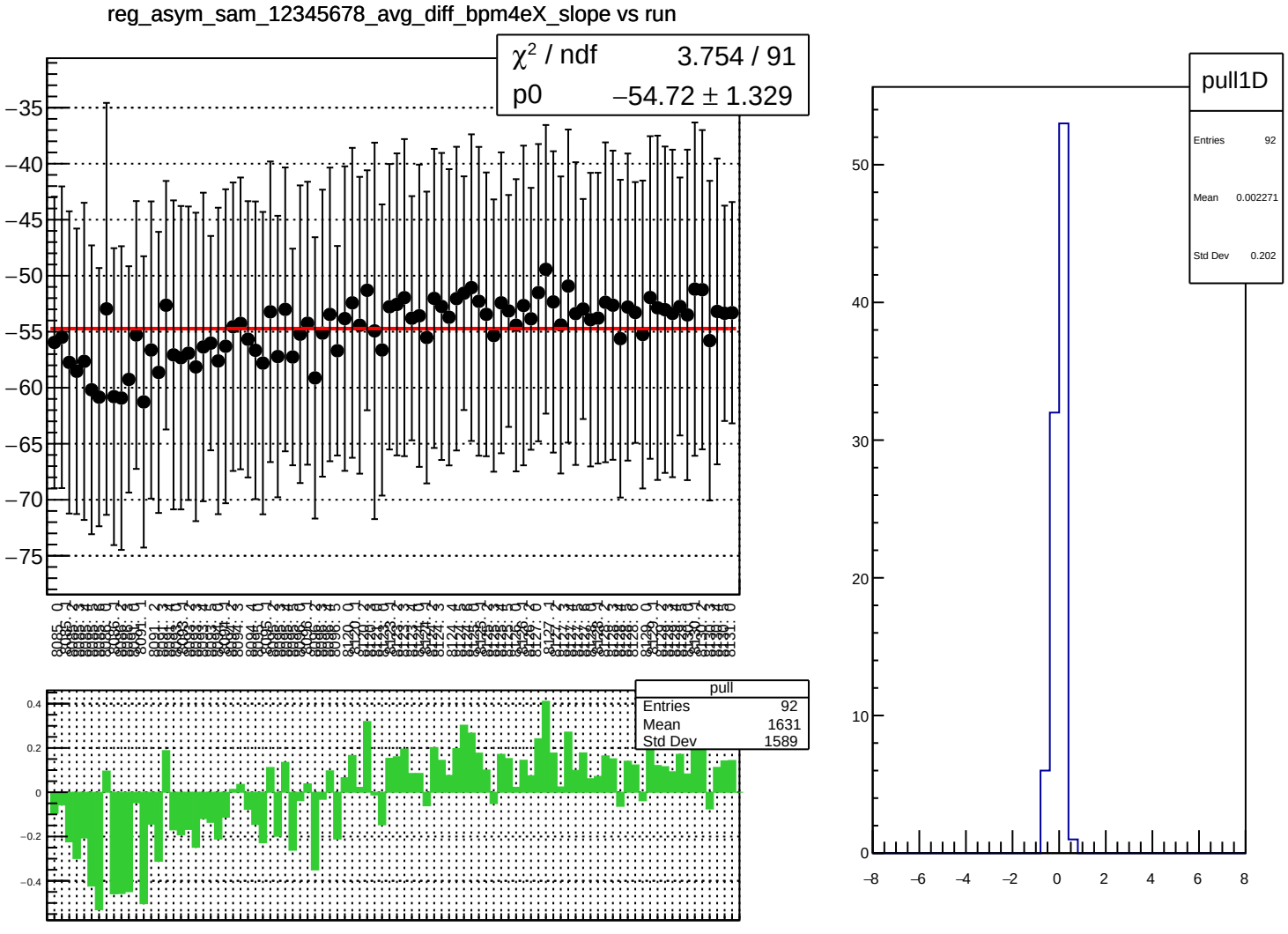

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 4.076 / 91
p0 −0.1722 ± 0.02977
pull
Entries 92
Mean −194.6
Std Dev 189.2

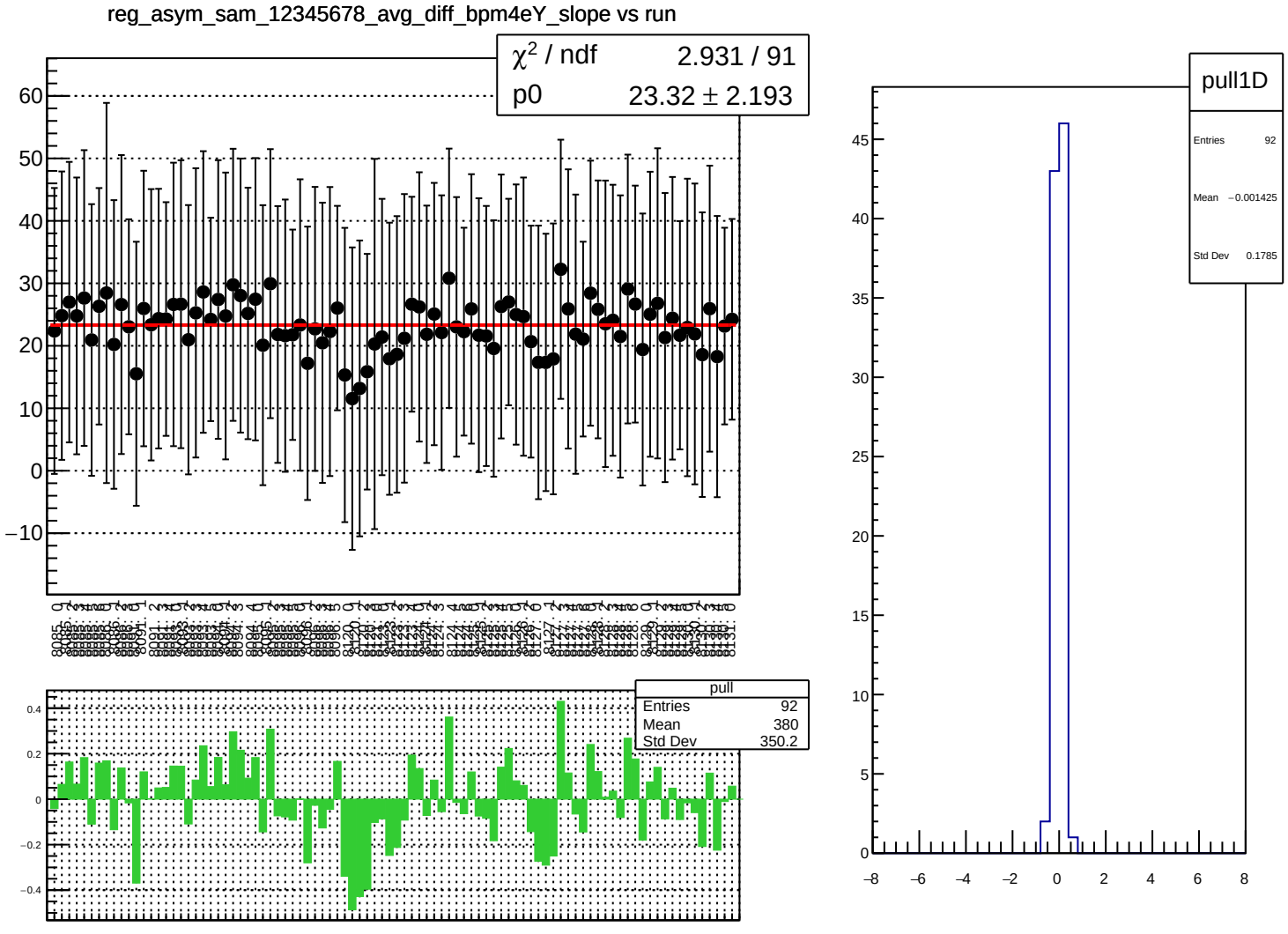

pull1D
Entries 92
Mean −0.002876
Std Dev 0.2105

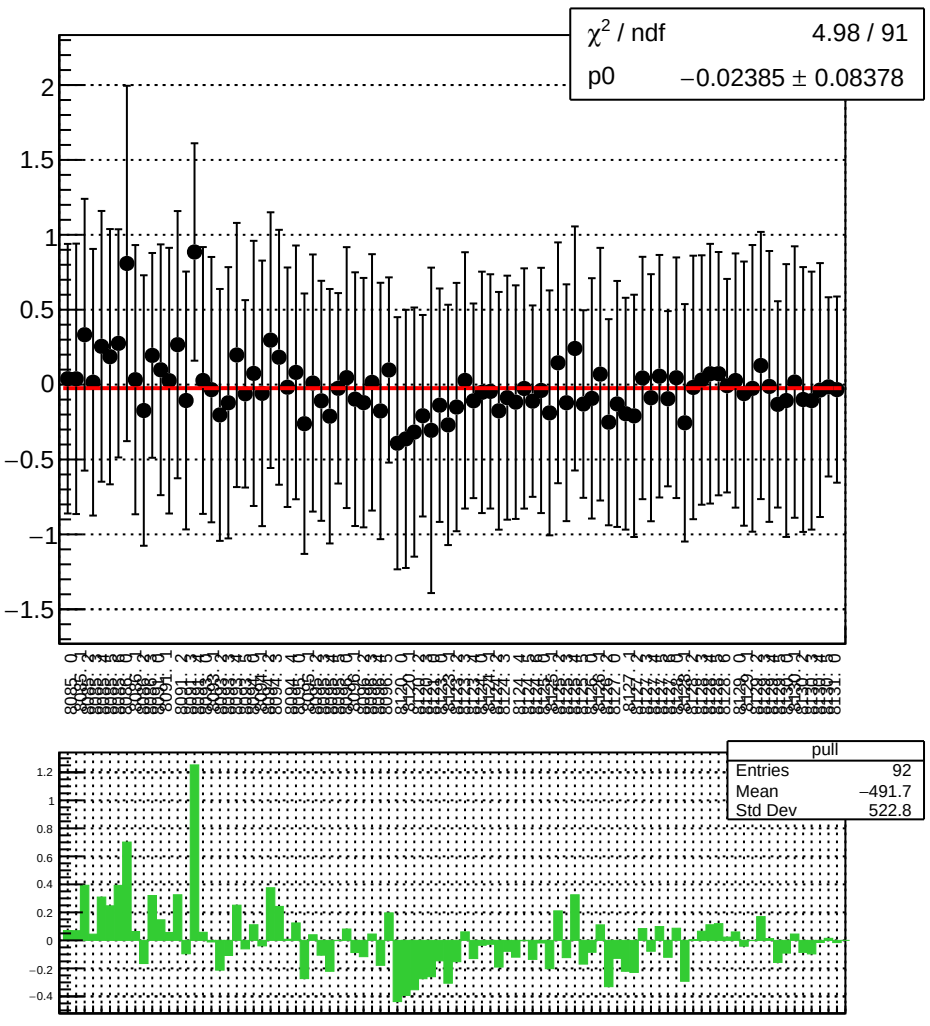

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 3.897 / 91
p0 −15.29 ± 1.399
pull
Entries 92
Mean 768.9
Std Dev 726.4
pull1D
Entries 92
Mean −0.005128
Std Dev 0.2058

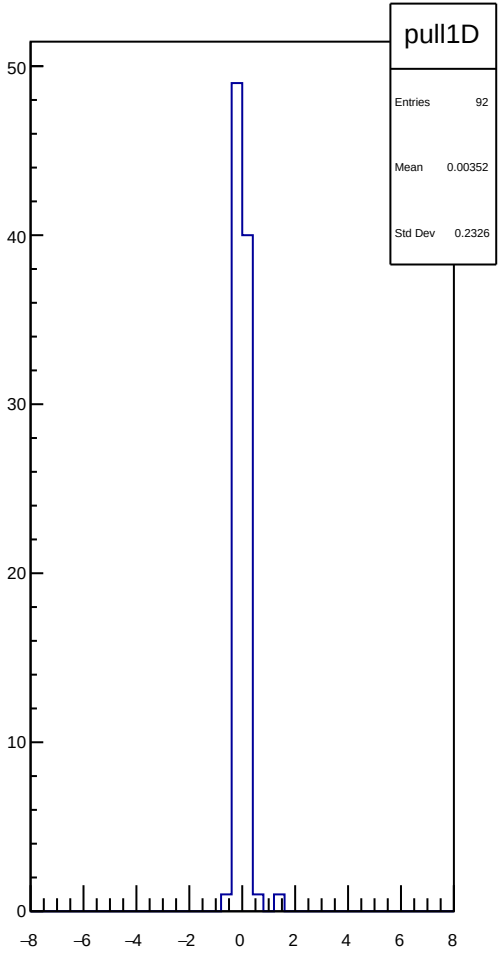

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.44 / 91
p0 10.26 ± 2.053
pull
Entries 92
Mean 1084
Std Dev 1045

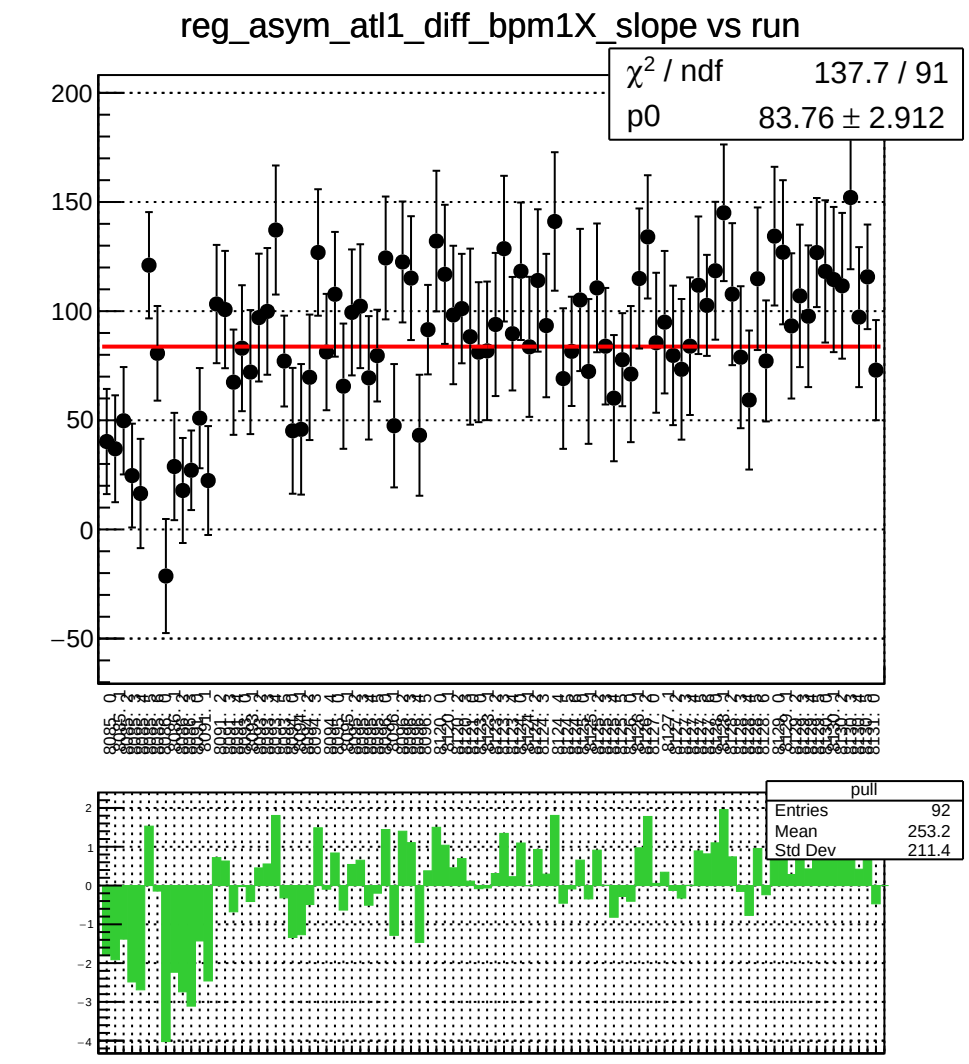

pull1D
Entries 92
Mean 0.00154
Std Dev 0.1934

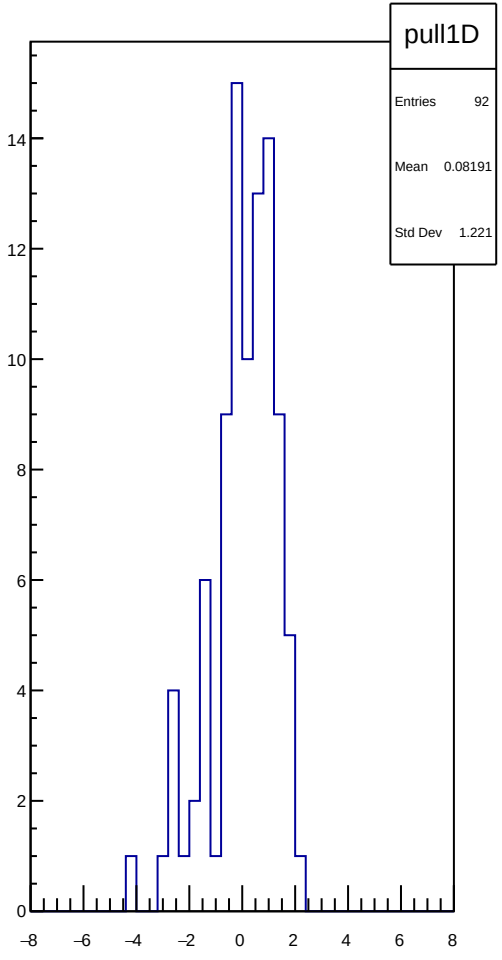

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.754 / 91
p0 −54.72 ± 1.329
pull
Entries 92
Mean 1631
Std Dev 1589
pull1D
Entries 92
Mean 0.002271
Std Dev 0.202

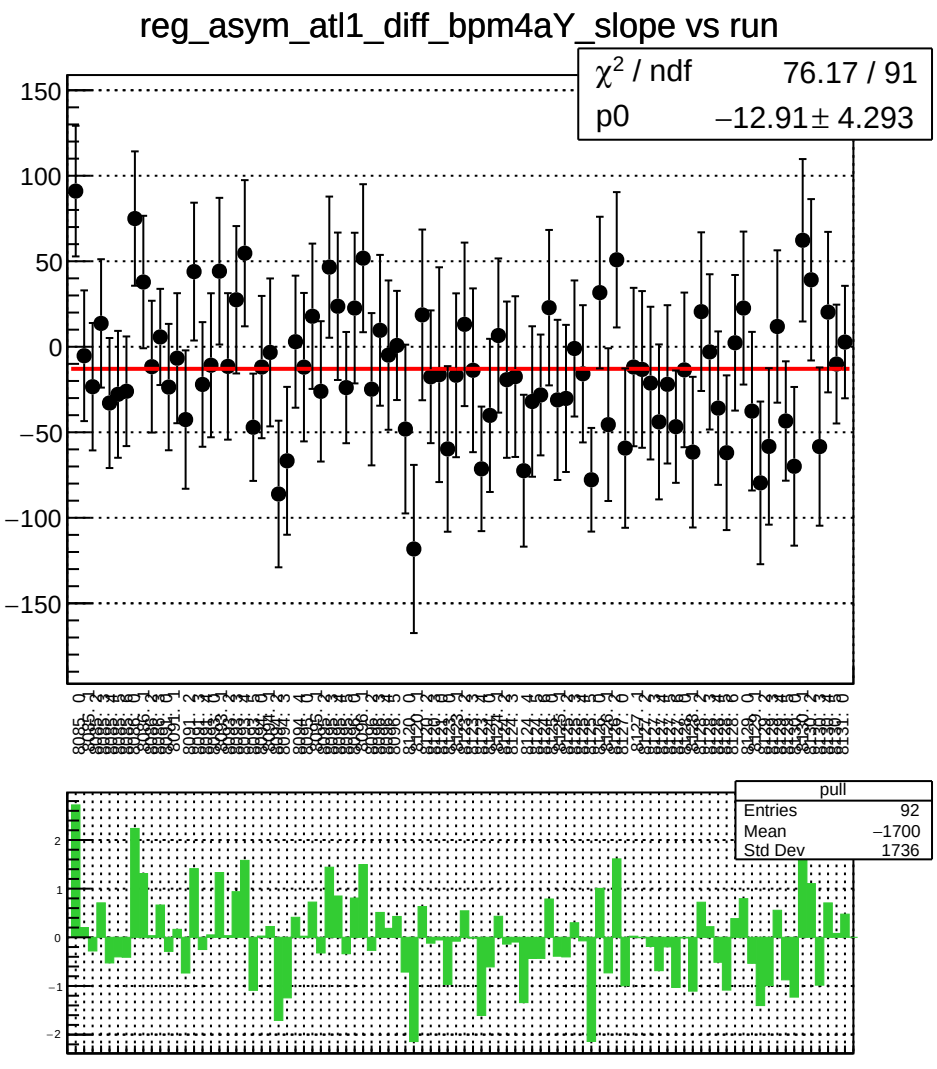

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.931 / 91
p0 23.32 ± 2.193
pull
Entries 92
Mean 380
Std Dev 350.2
pull1D
Entries 92
Mean −0.001425
Std Dev 0.1785

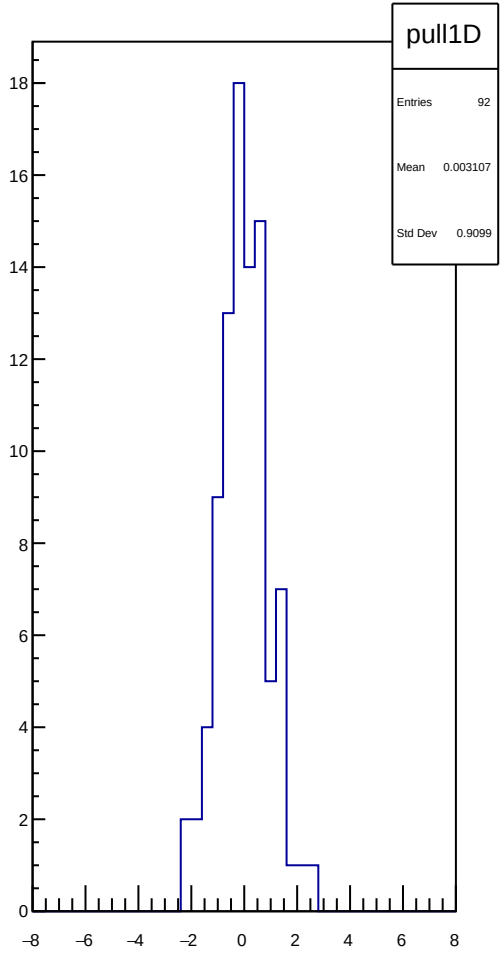

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 4.98 / 91
p0 −0.02385 ± 0.08378
pull
Entries 92
Mean −491.7
Std Dev 522.8

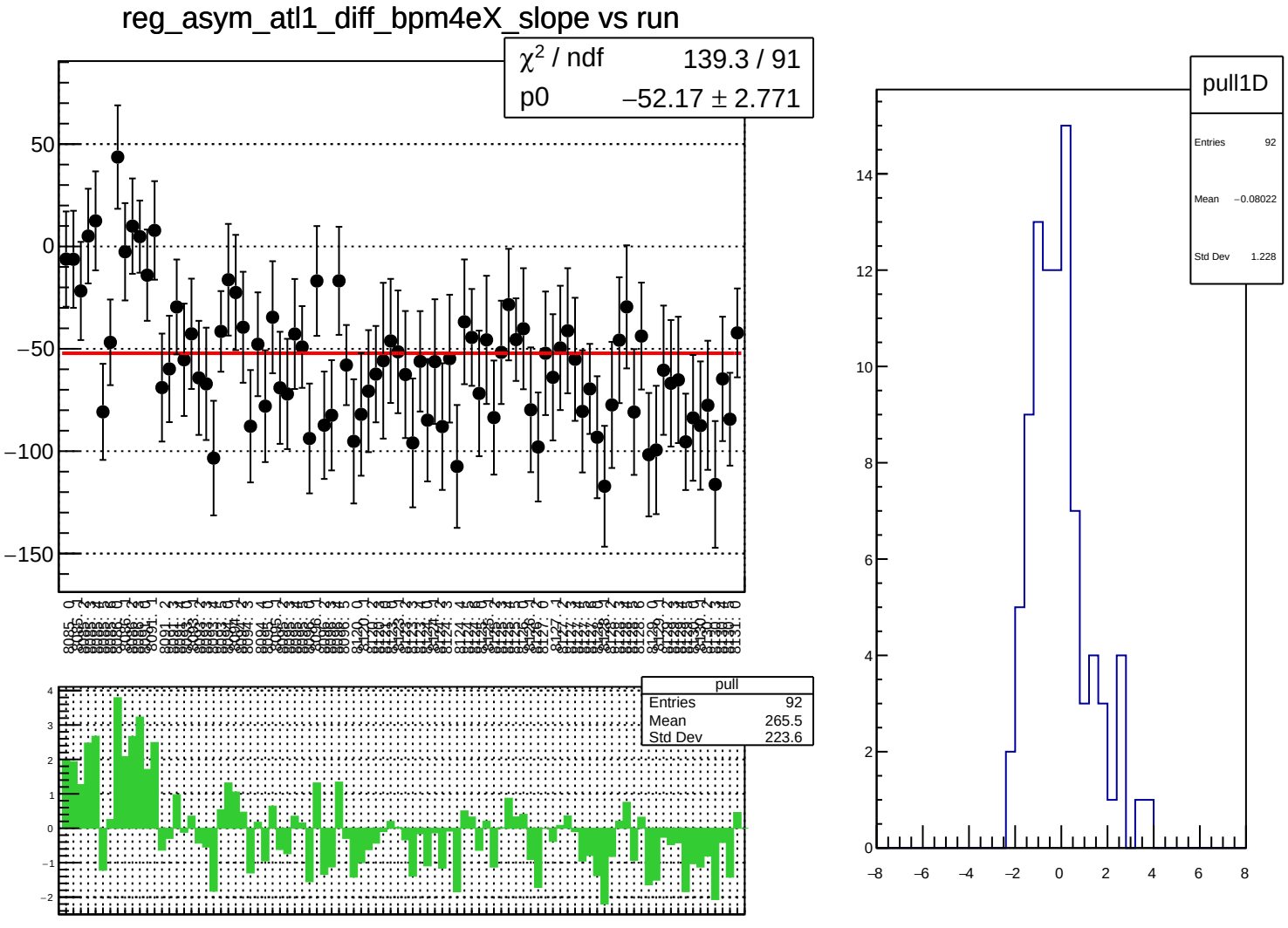

pull1D
Entries 92
Mean 0.00352
Std Dev 0.2326

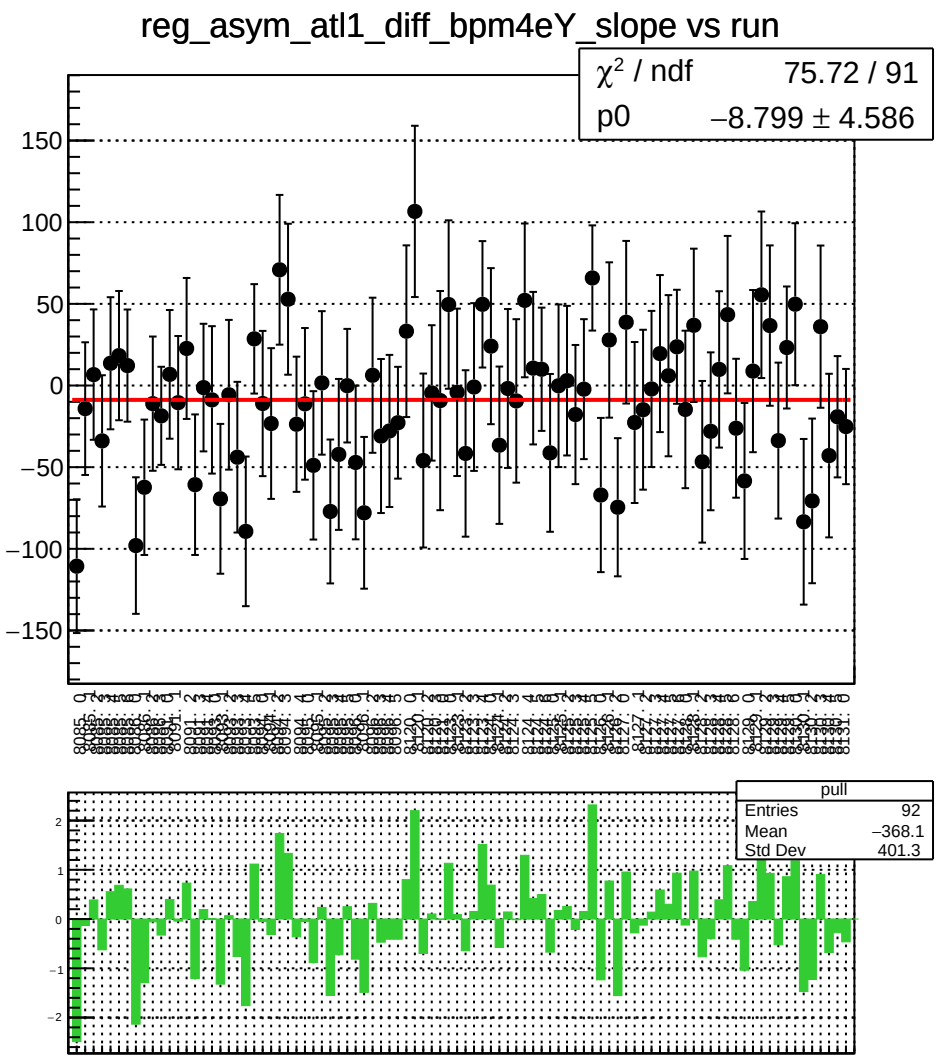

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 137.7 / 91
p0 83.76 ± 2.912
pull
Entries 92
Mean 253.2
Std Dev 211.4

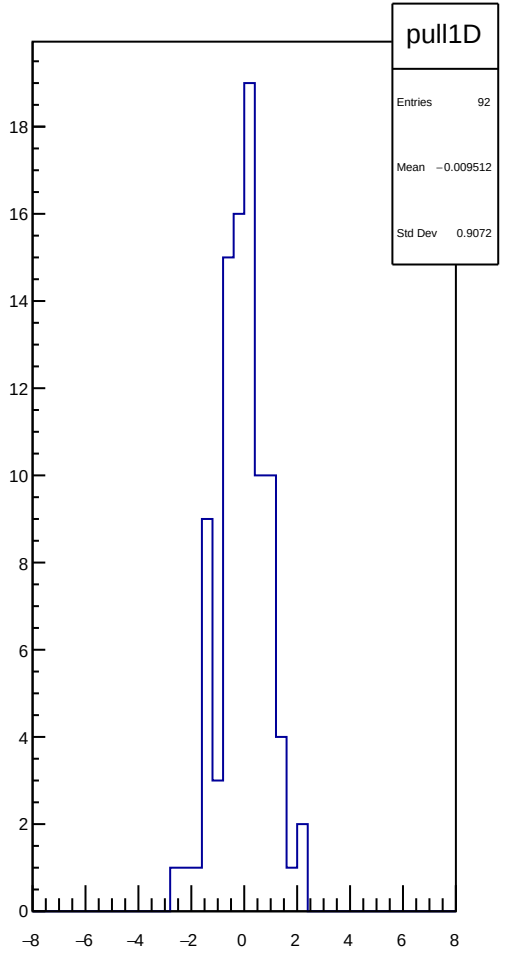

pull1D
Entries 92
Mean 0.08191
Std Dev 1.221

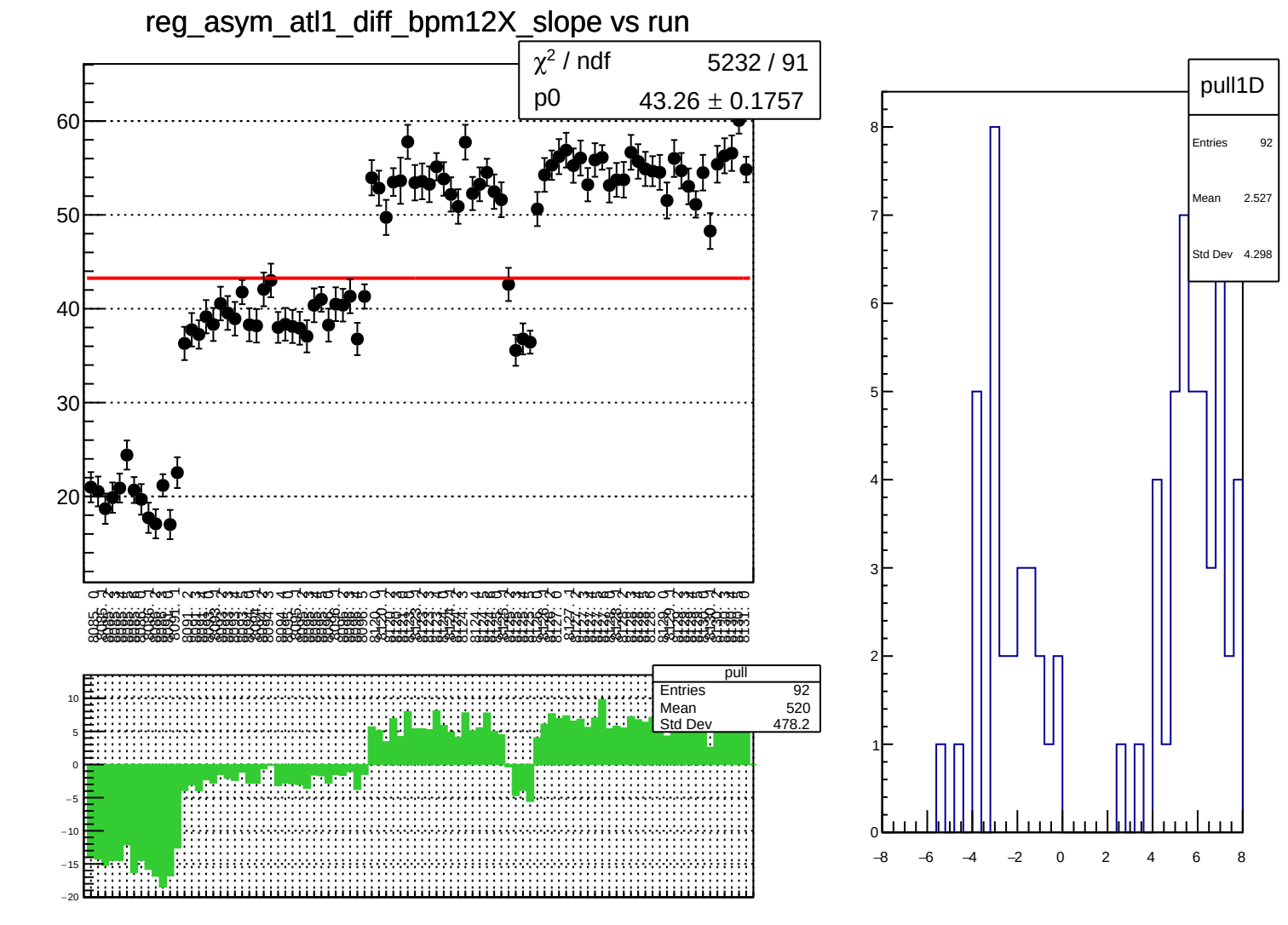

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 76.17 / 91
p0 −12.91 ± 4.293
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −1700
Std Dev 1736
2
1
0
−1
−2

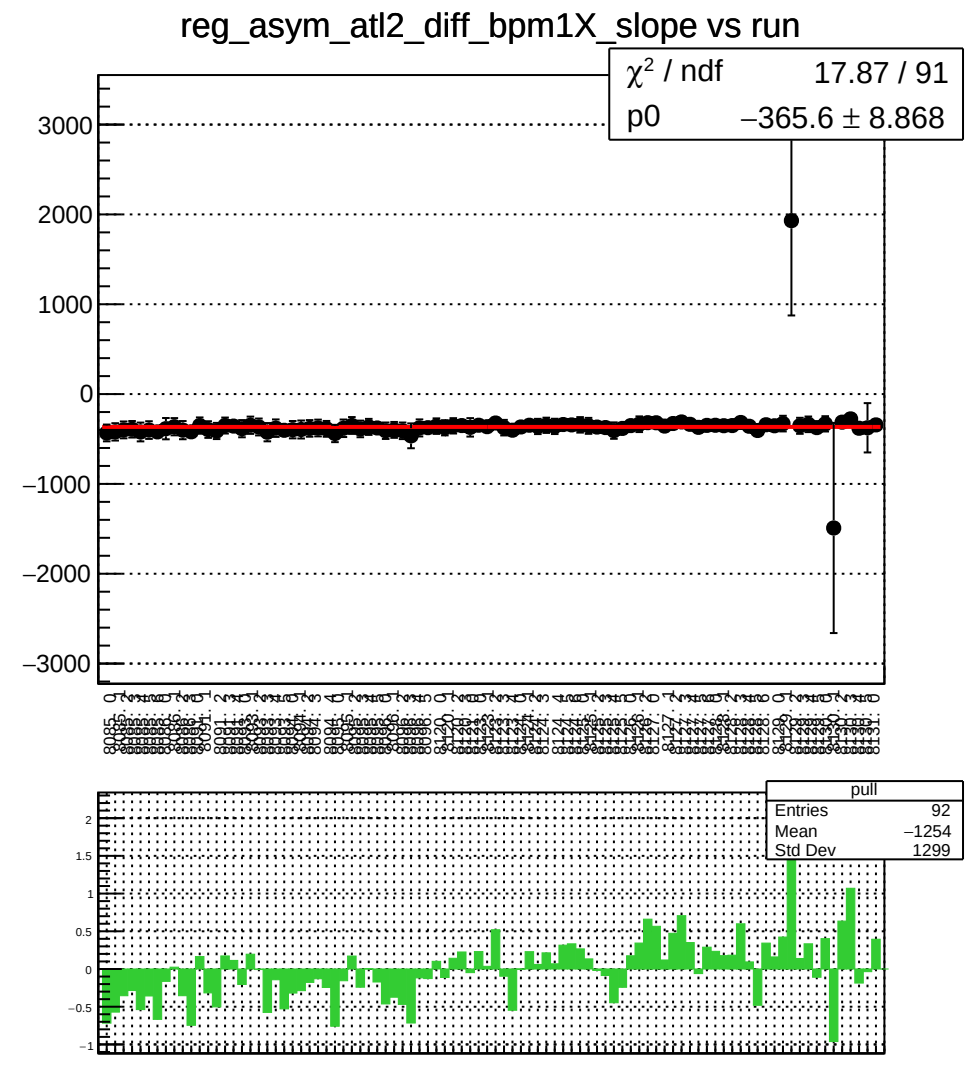

pull1D
Entries 92
Mean 0.003107
Std Dev 0.9099
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

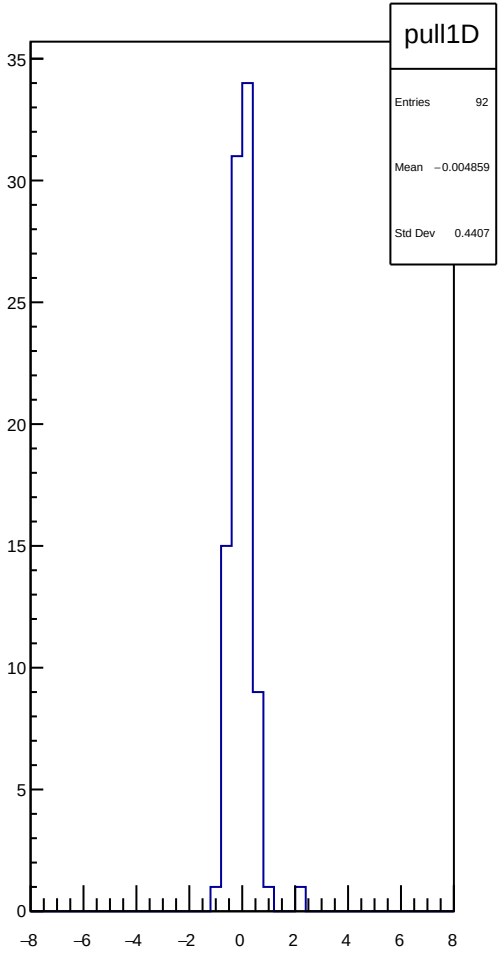

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 139.3 / 91
p0 −52.17 ± 2.771
50
0
−50
−100
−150
pull
Entries 92
Mean 265.5
Std Dev 223.6
4
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.08022
Std Dev 1.228
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

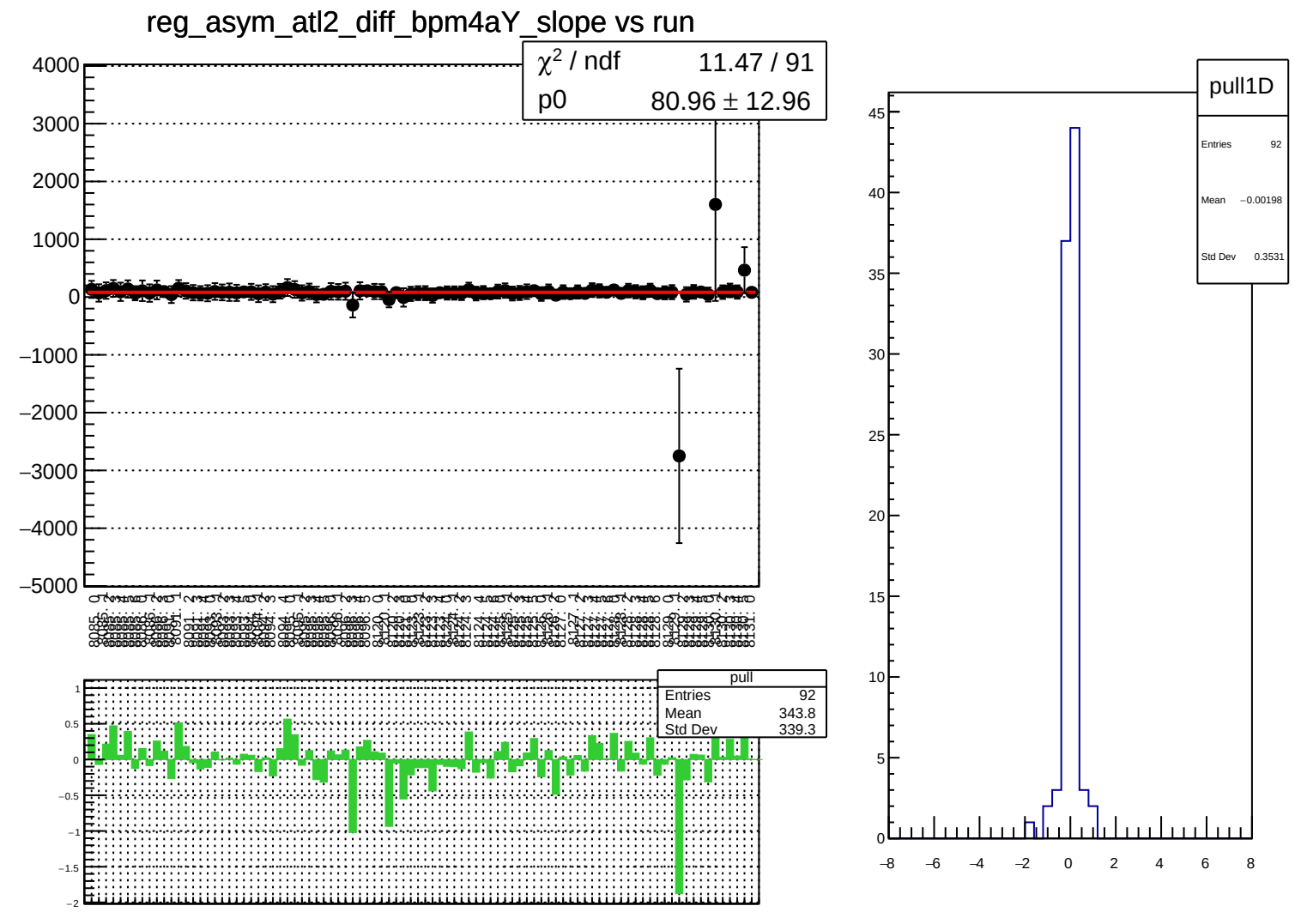

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 75.72 / 91
p0 −8.799 ± 4.586
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −368.1
Std Dev 401.3
2
1
0
−1
−2

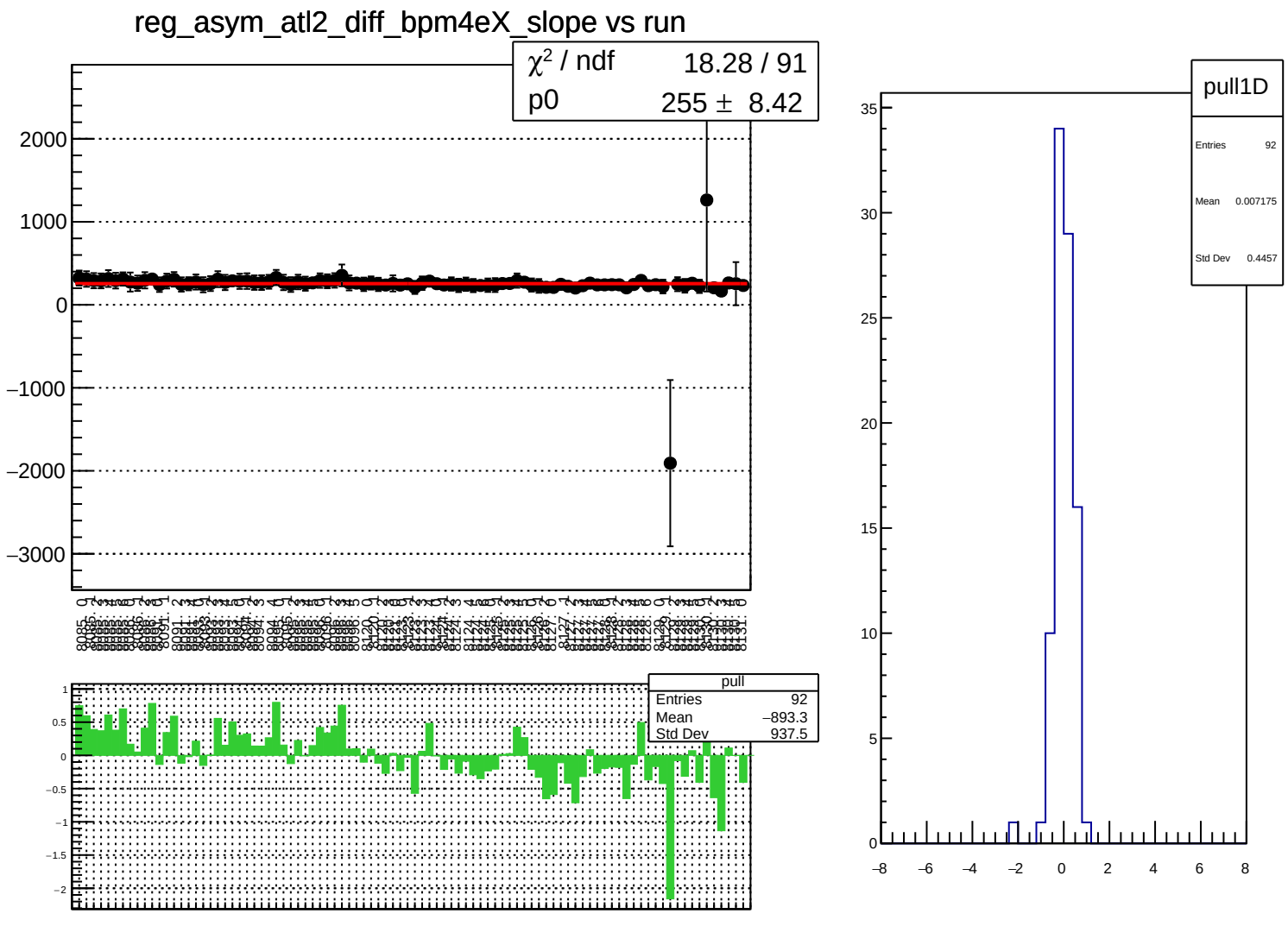

pull1D
Entries 92
Mean −0.009512
Std Dev 0.9072
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

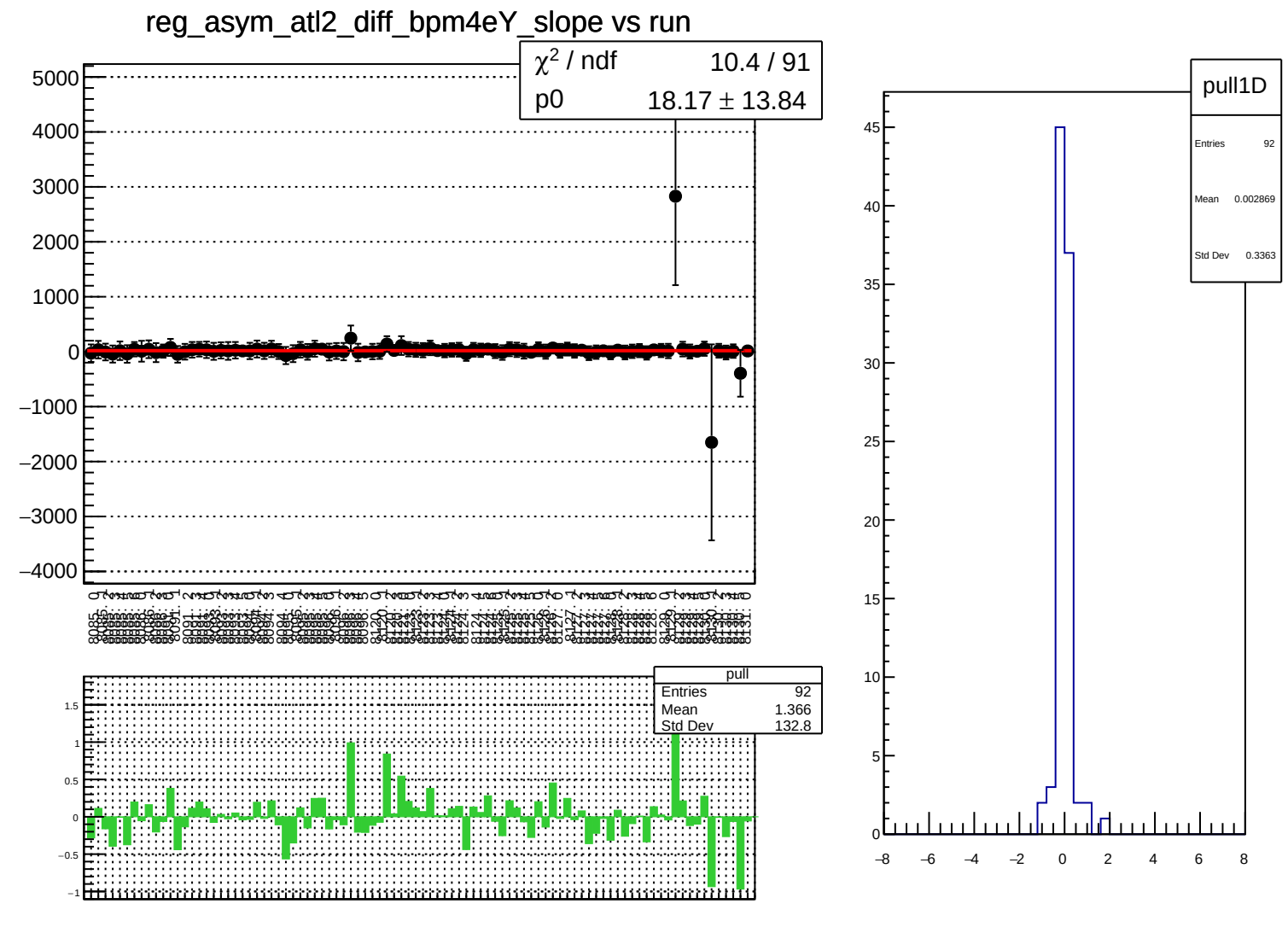

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 5232 / 91
p0 43.26 ± 0.1757
pull
Entries 92
Mean 520
Std Dev 478.2
pull1D
Entries 92
Mean 2.527
Std Dev 4.298

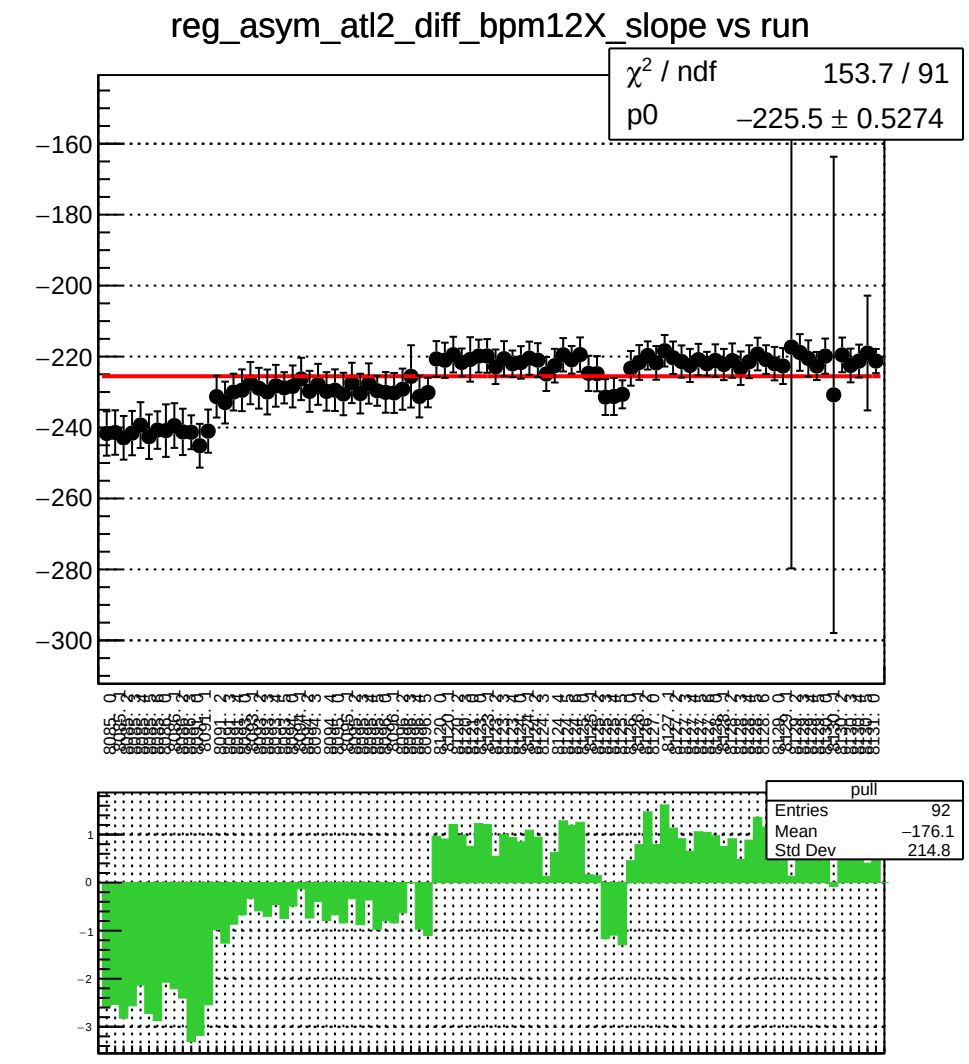

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 17.87 / 91
p0 −365.6 ± 8.868
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −1254
Std Dev 1299
2
1.5
1
0.5
0
−0.5
−1

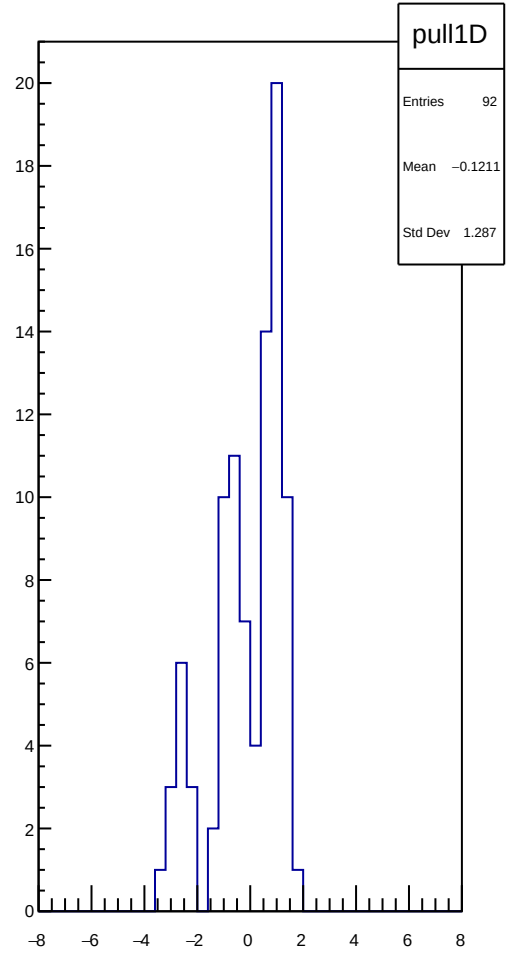

pull1D
Entries 92
Mean −0.004859
Std Dev 0.4407
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

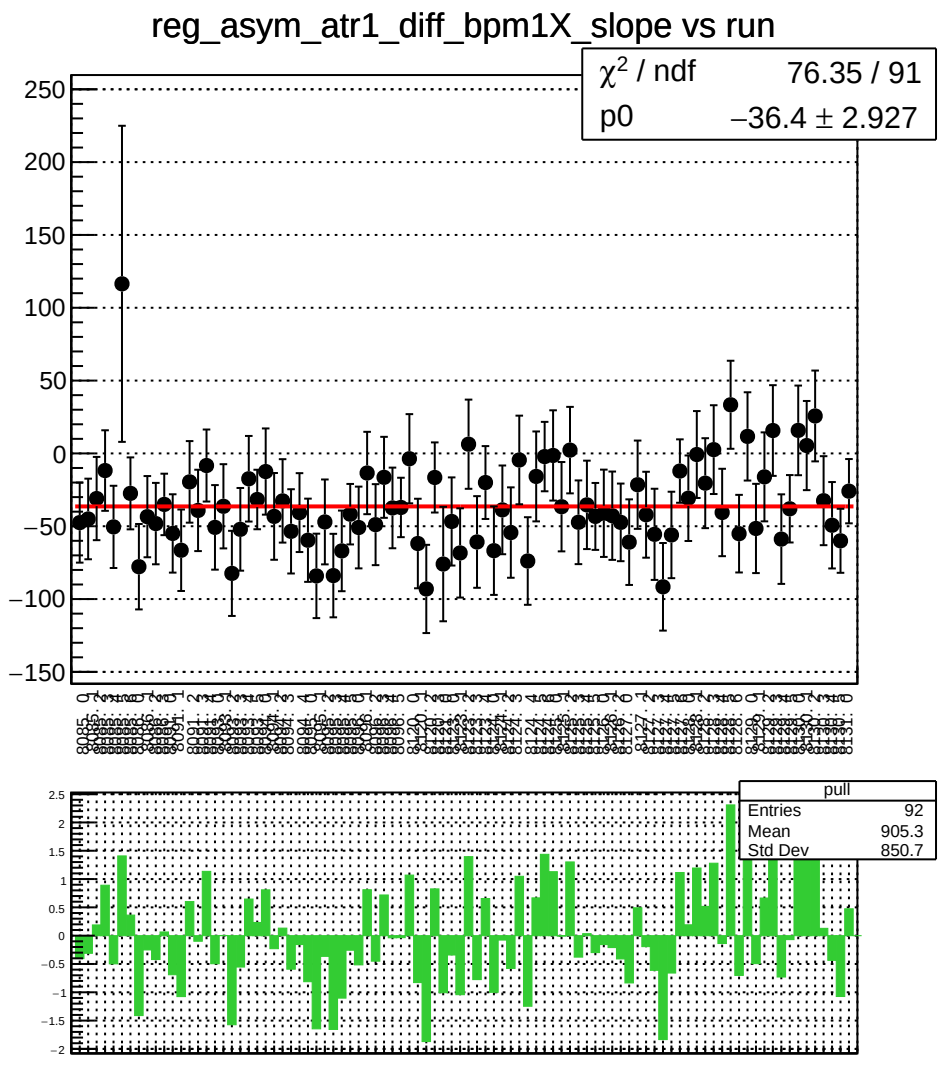

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 11.47 / 91
p0 80.96 ± 12.96
pull
Entries 92
Mean 343.8
Std Dev 339.3
pull1D
Entries 92
Mean −0.00198
Std Dev 0.3531

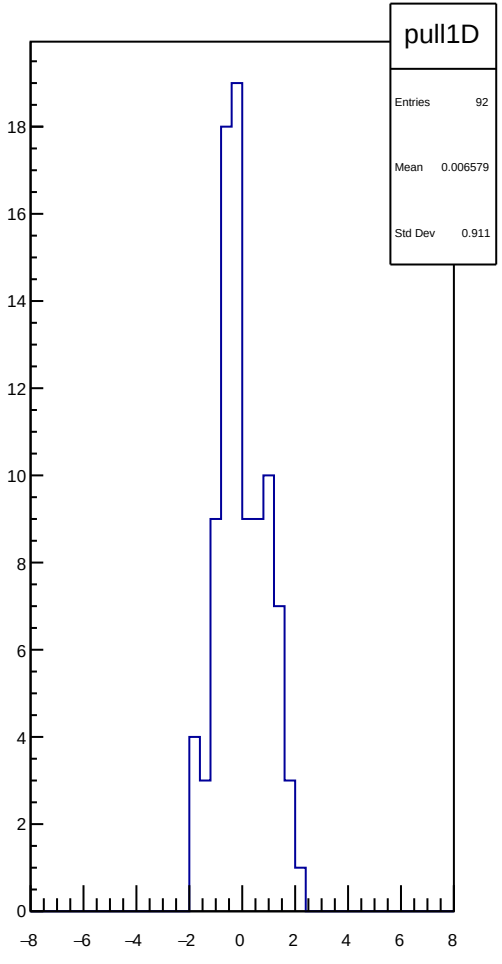

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 18.28 / 91
p0 255 ± 8.42
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −893.3
Std Dev 937.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.007175
Std Dev 0.4457
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

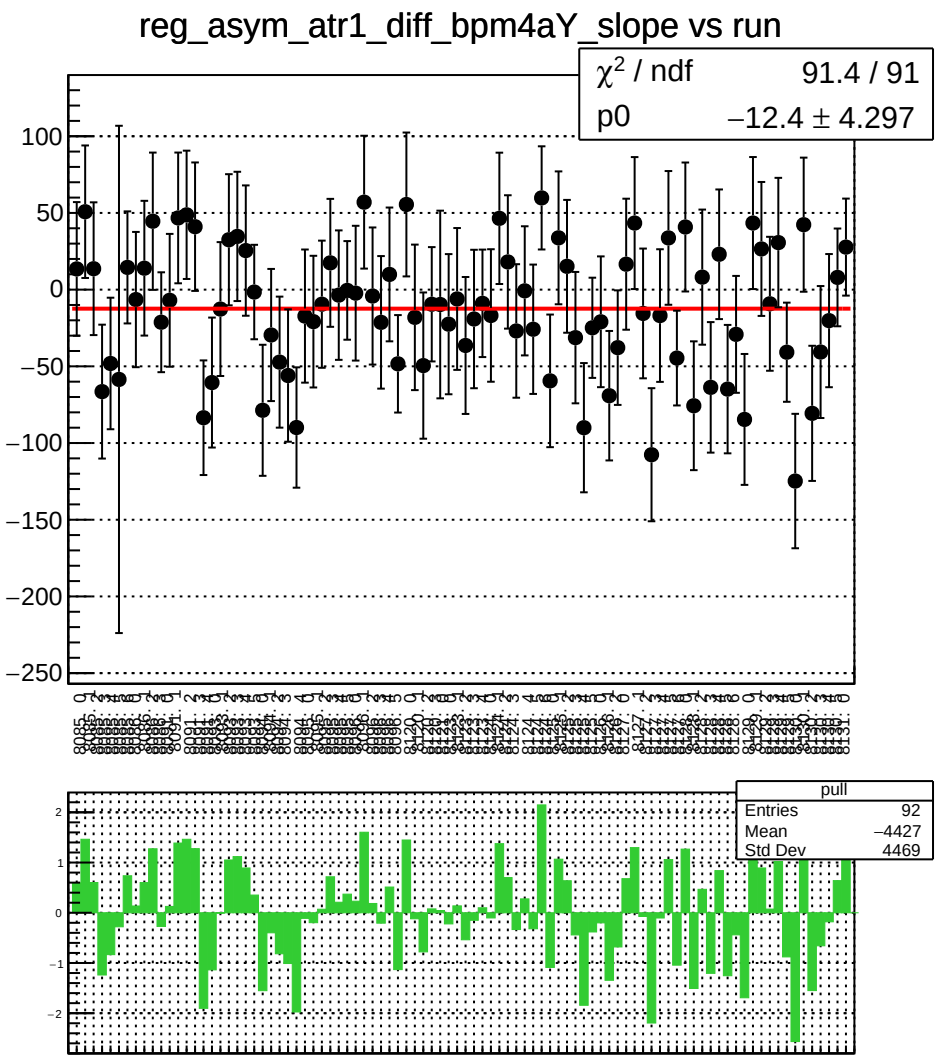

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 10.4 / 91
p0 18.17 ± 13.84
pull
Entries 92
Mean 1.366
Std Dev 132.8
pull1D
Entries 92
Mean 0.002869
Std Dev 0.3363

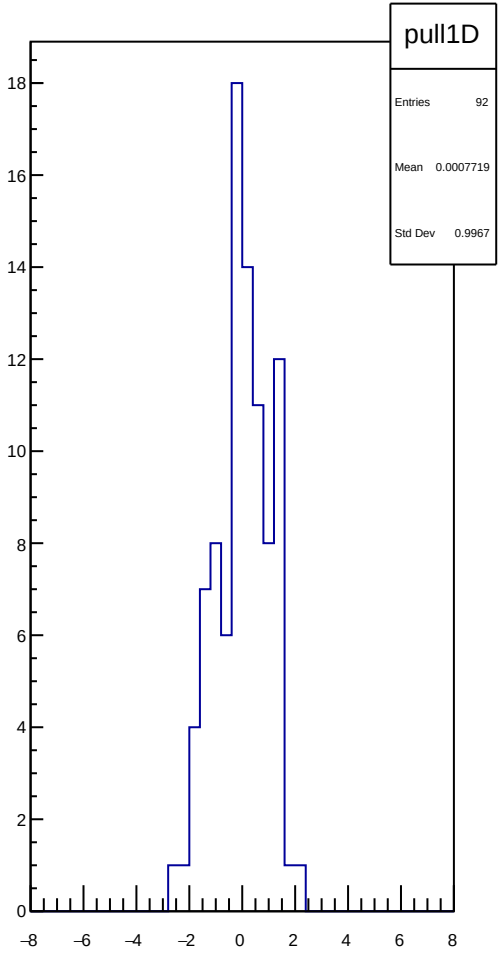

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 153.7 / 91
p0 −225.5 ± 0.5274
pull
Entries 92
Mean −176.1
Std Dev 214.8

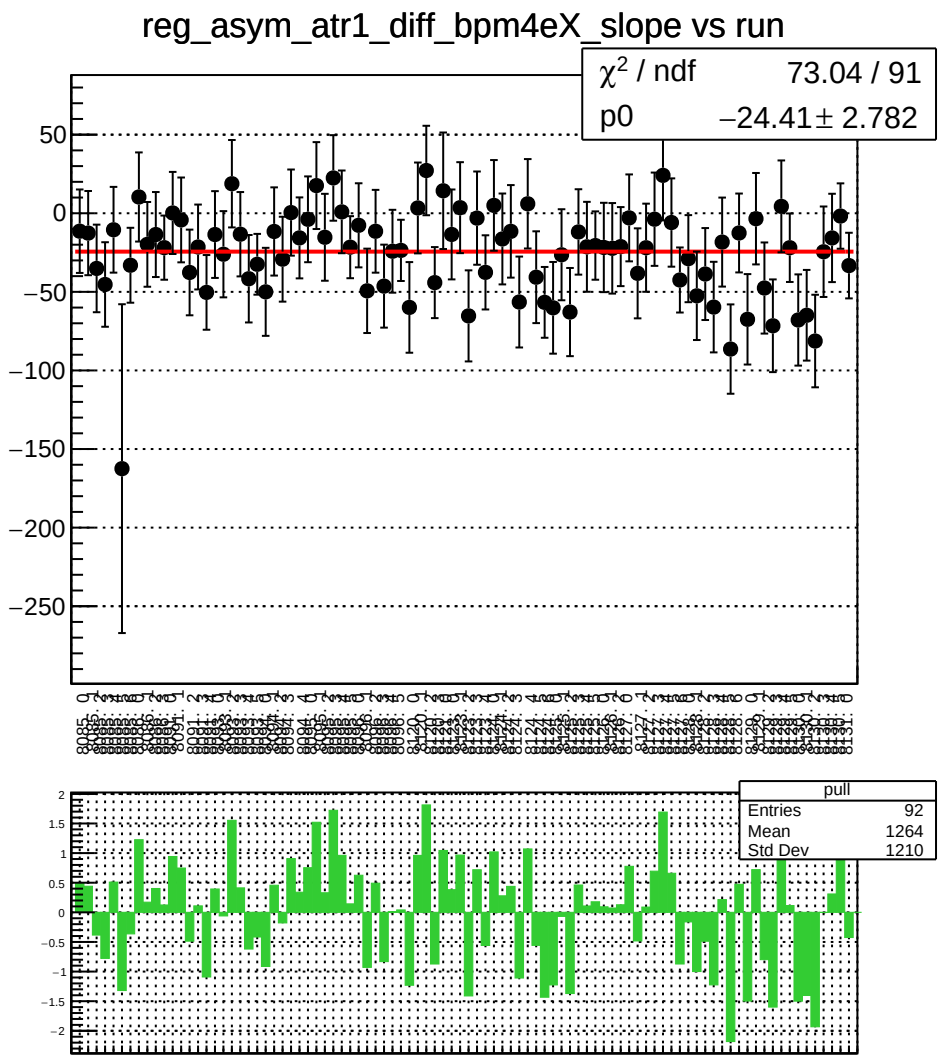

pull1D
Entries 92
Mean −0.1211
Std Dev 1.287

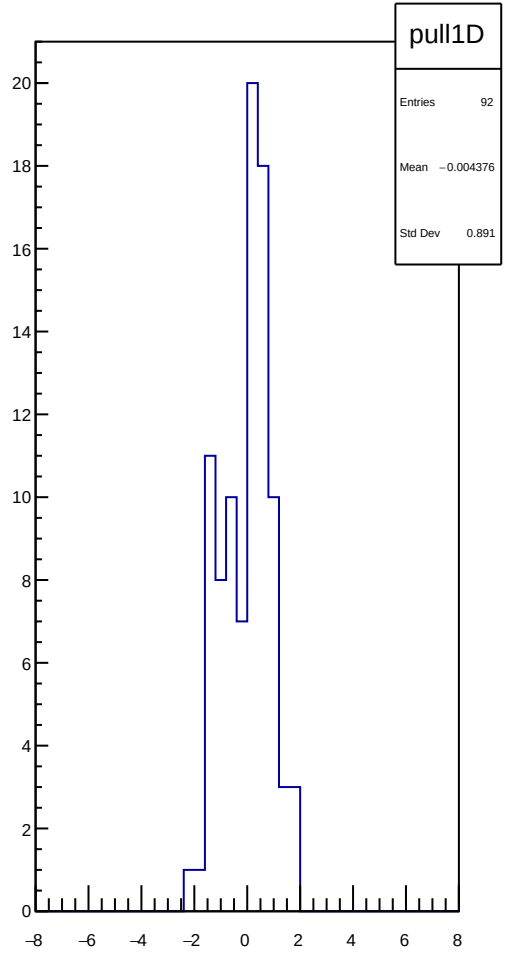

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 76.35 / 91
p0 −36.4 ± 2.927
pull
Entries 92
Mean 905.3
Std Dev 850.7

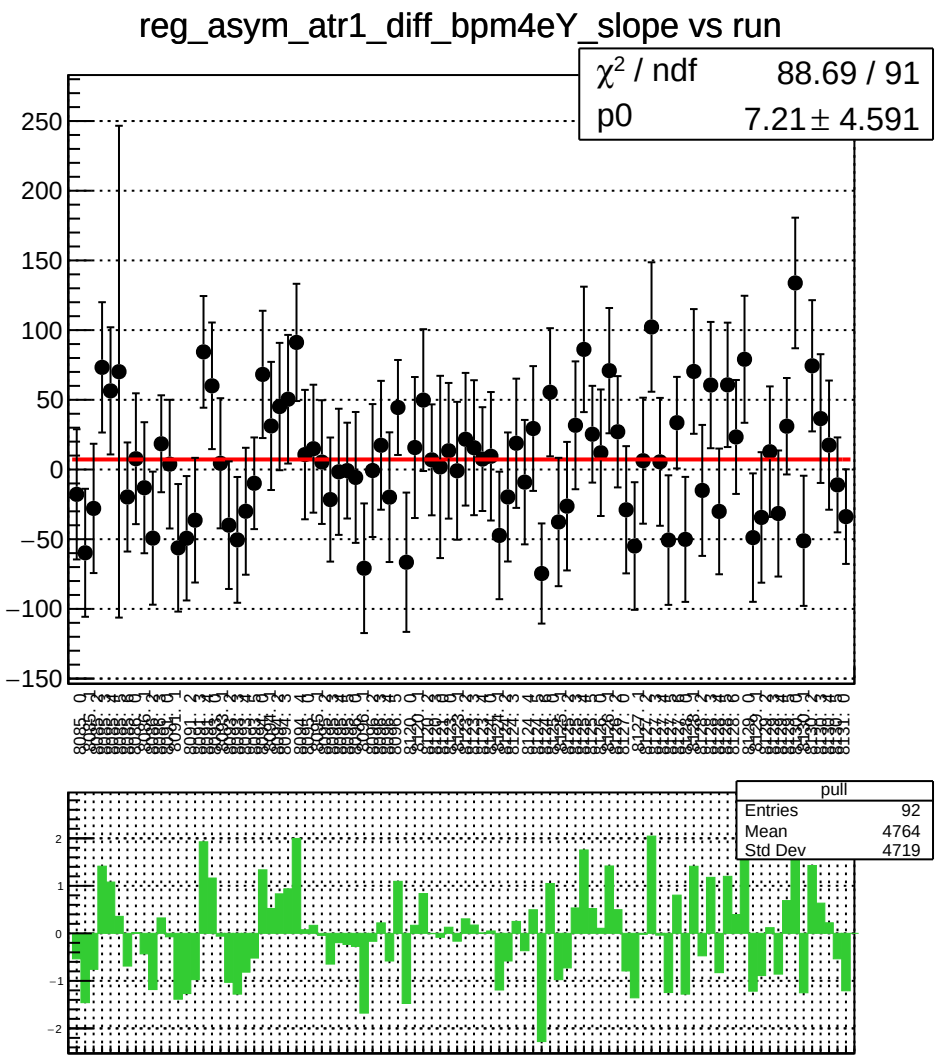

pull1D
Entries 92
Mean 0.006579
Std Dev 0.911

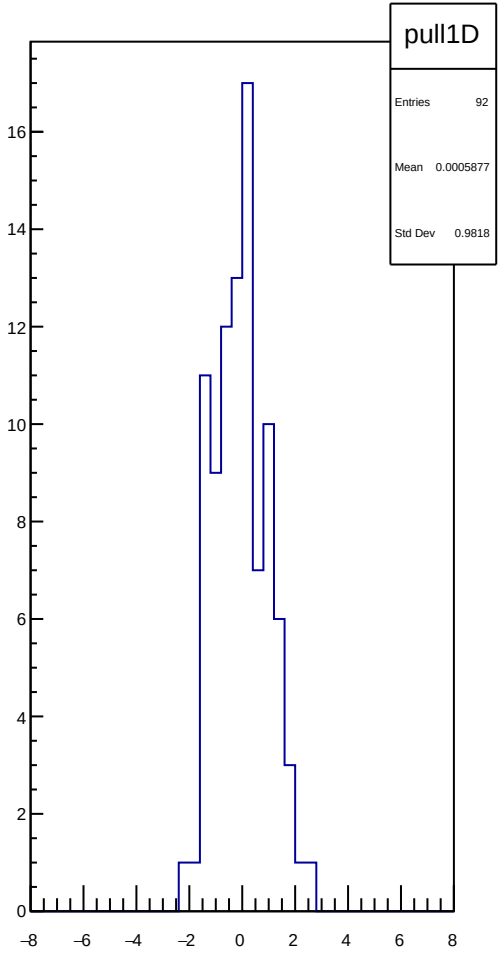

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 91.4 / 91
p0 −12.4 ± 4.297
pull
Entries 92
Mean −4427
Std Dev 4469

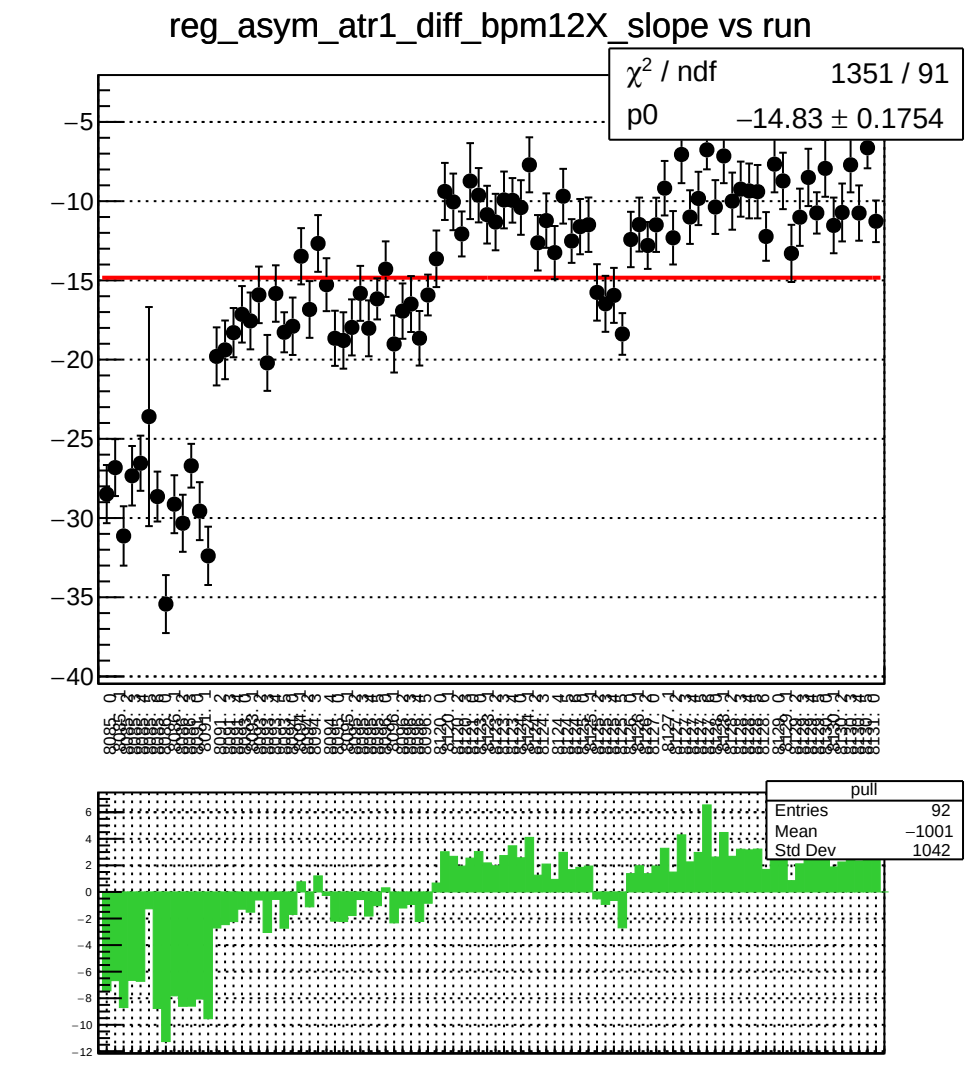

pull1D
Entries 92
Mean 0.0007719
Std Dev 0.9967

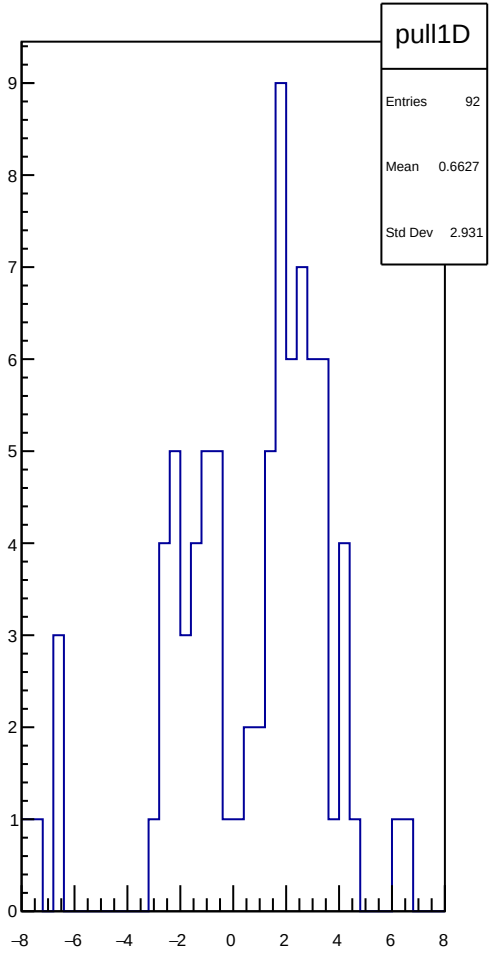

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 73.04 / 91
p0 −24.41 ± 2.782
pull
Entries 92
Mean 1264
Std Dev 1210

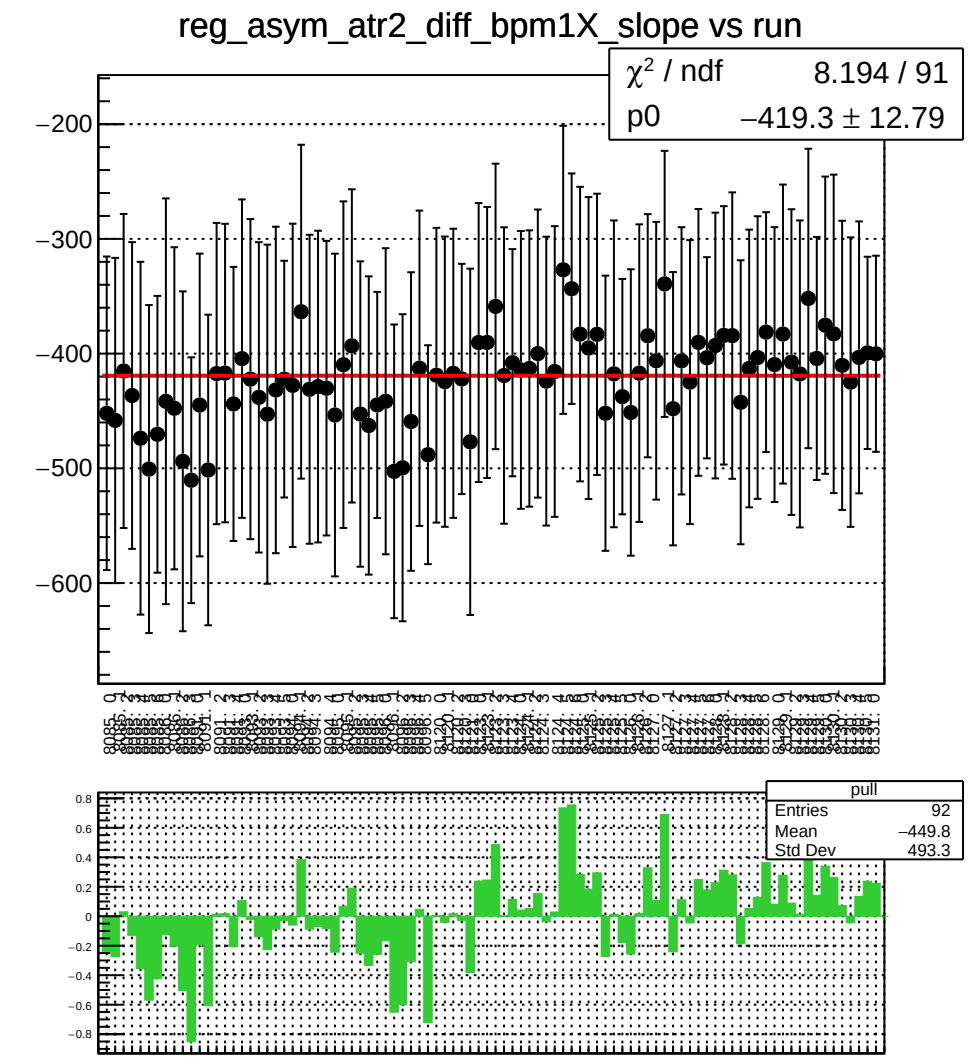

pull1D
Entries 92
Mean −0.004376
Std Dev 0.891

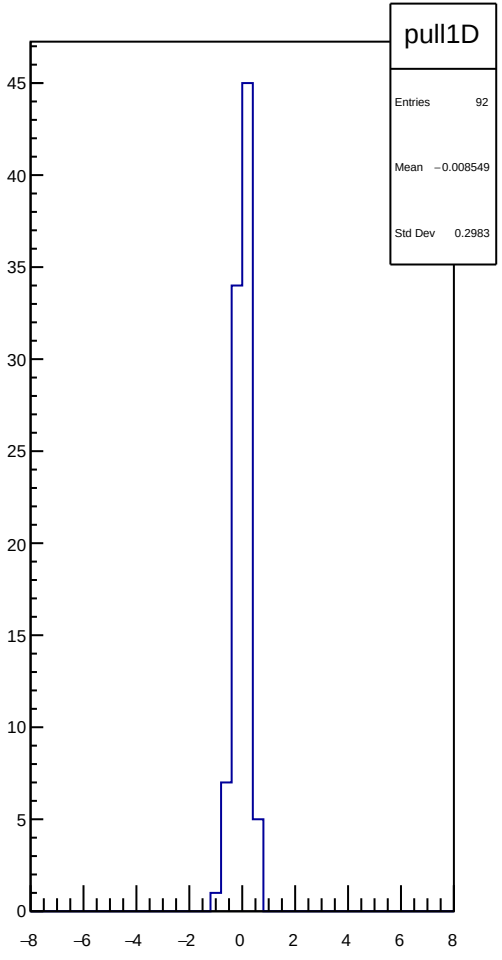

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 88.69 / 91
p0 7.21 ± 4.591
pull
Entries 92
Mean 4764
Std Dev 4719

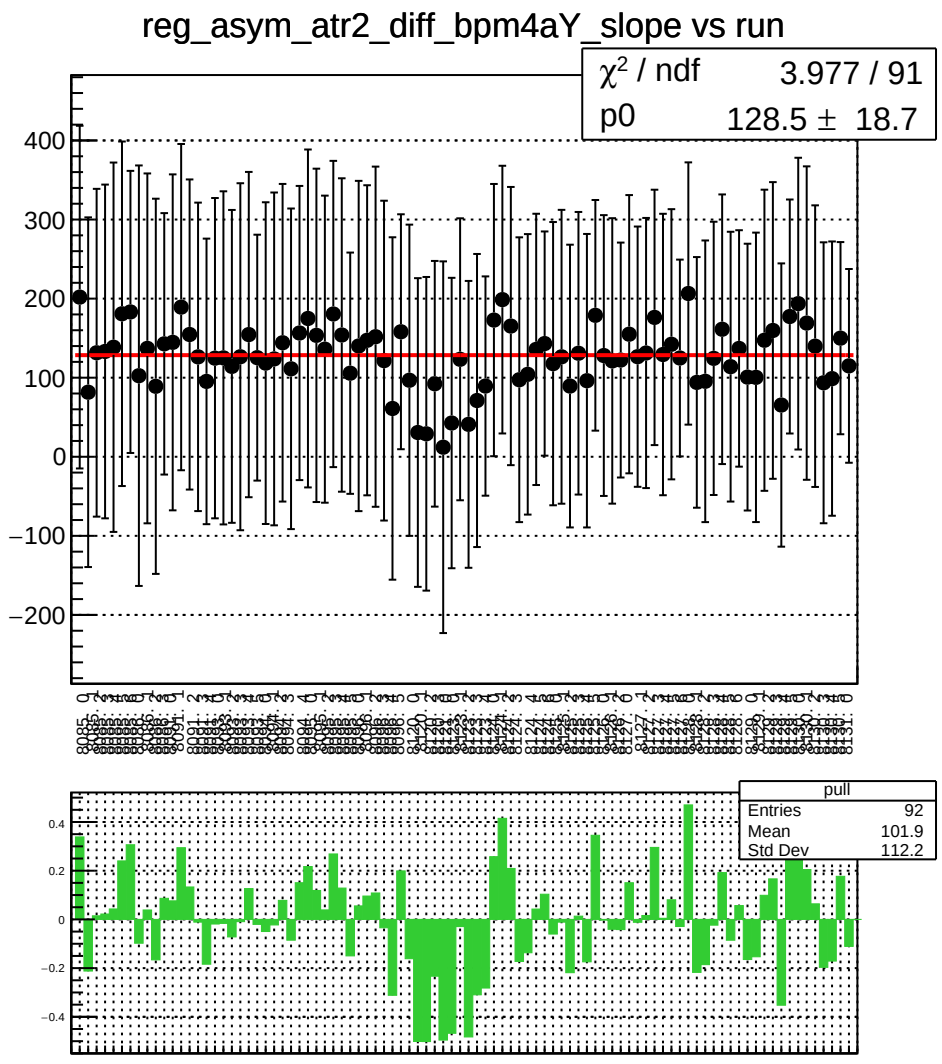

pull1D
Entries 92
Mean 0.0005877
Std Dev 0.9818

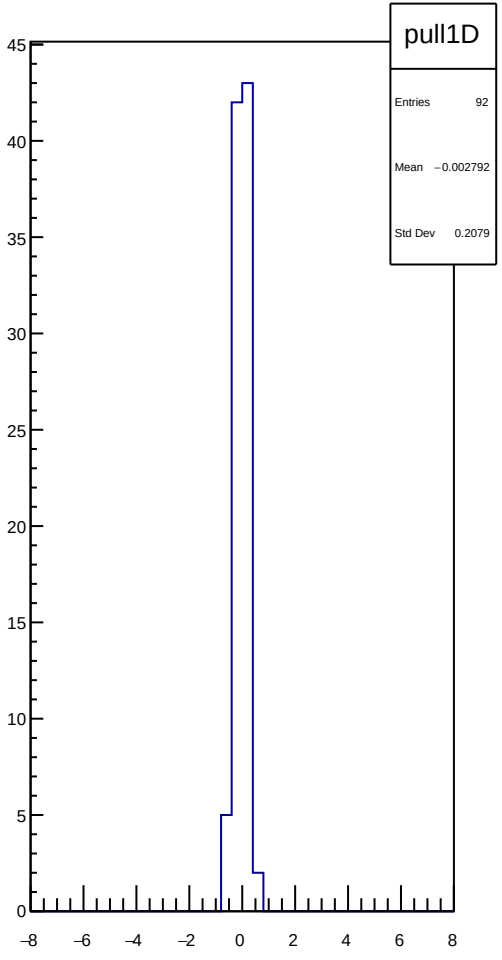

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1351 / 91
p0 −14.83 ± 0.1754
pull
Entries 92
Mean −1001
Std Dev 1042

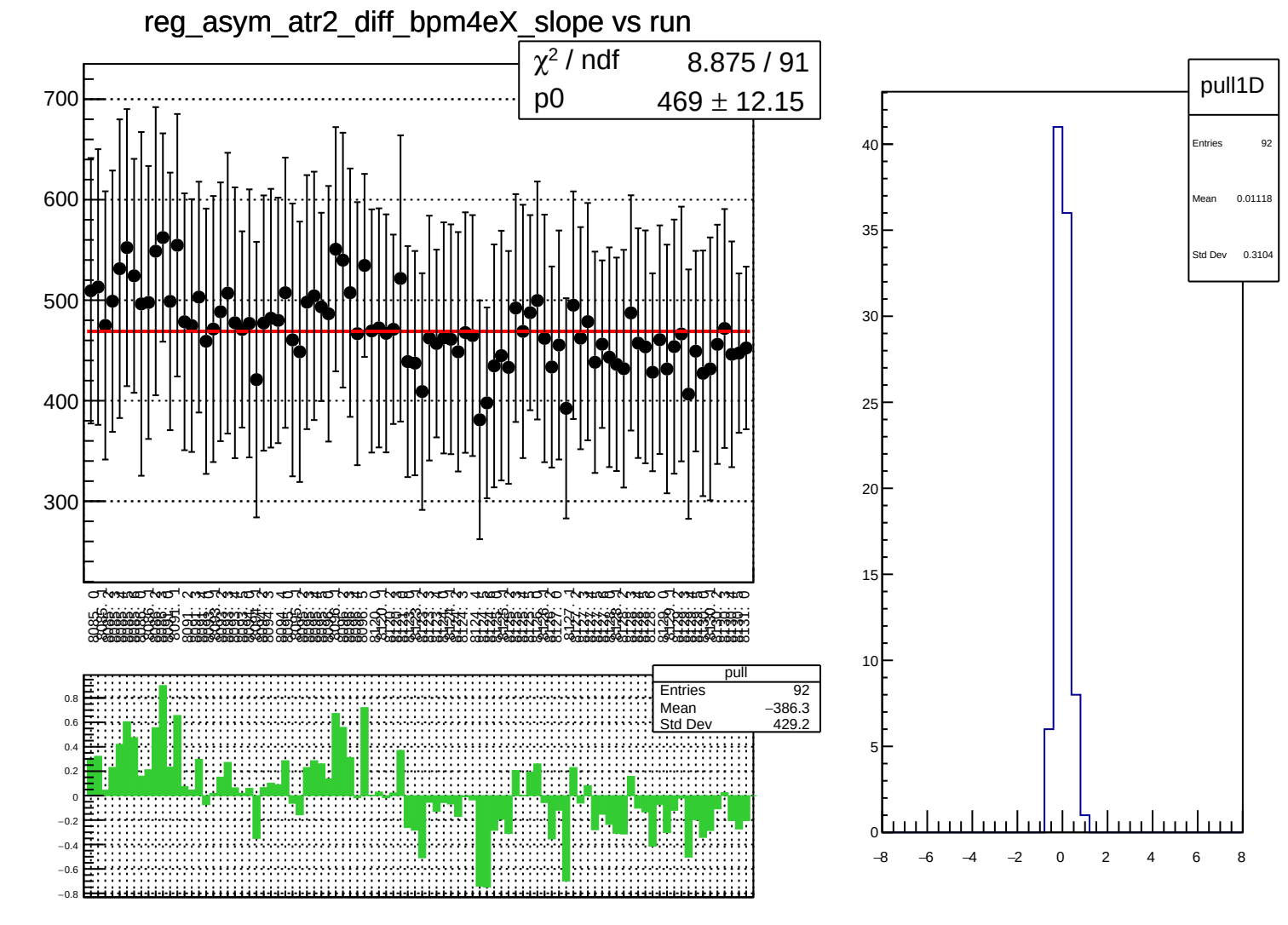

pull1D
Entries 92
Mean 0.6627
Std Dev 2.931

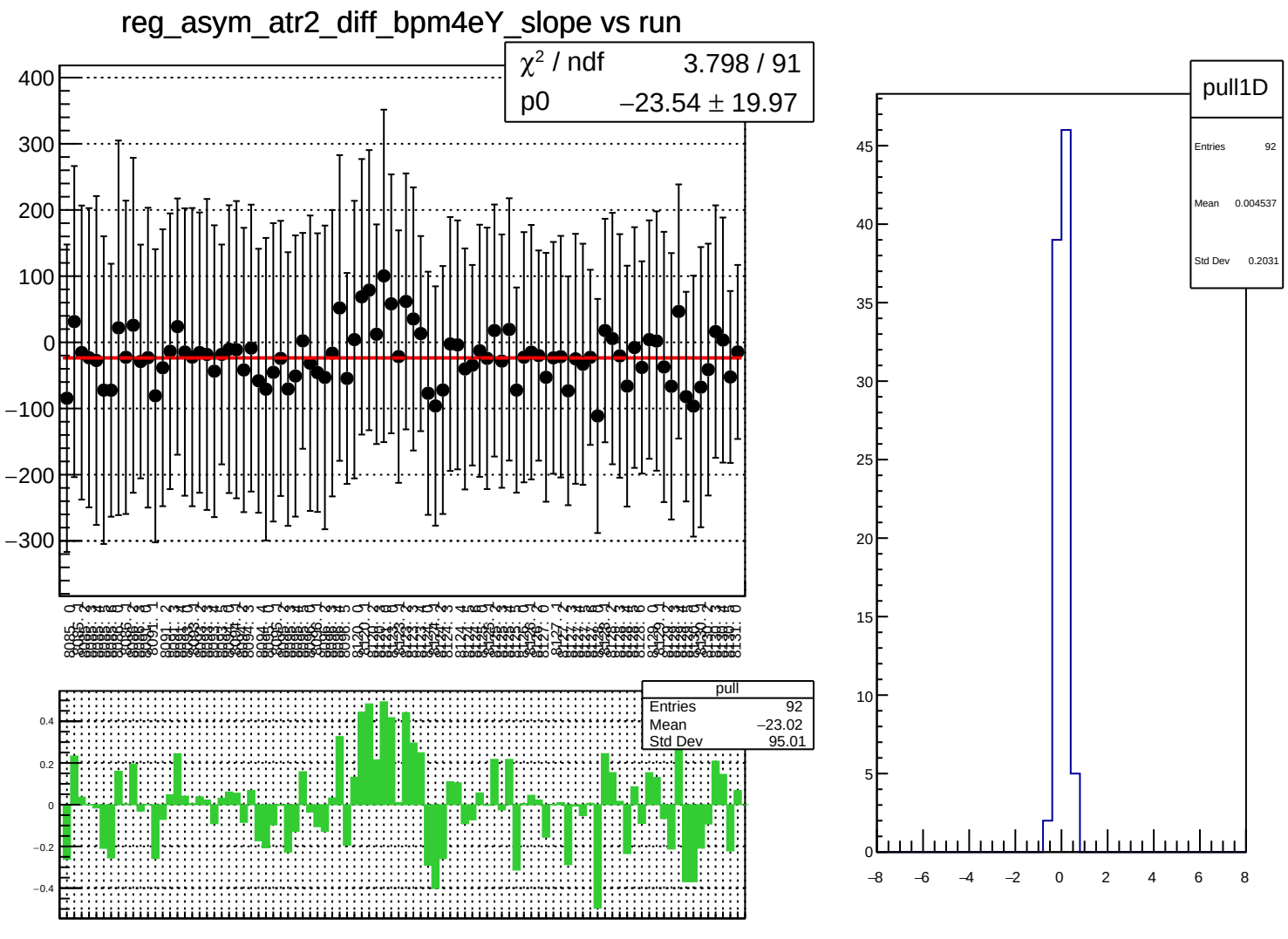

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 8.194 / 91
p0 −419.3 ± 12.79
pull
Entries 92
Mean −449.8
Std Dev 493.3

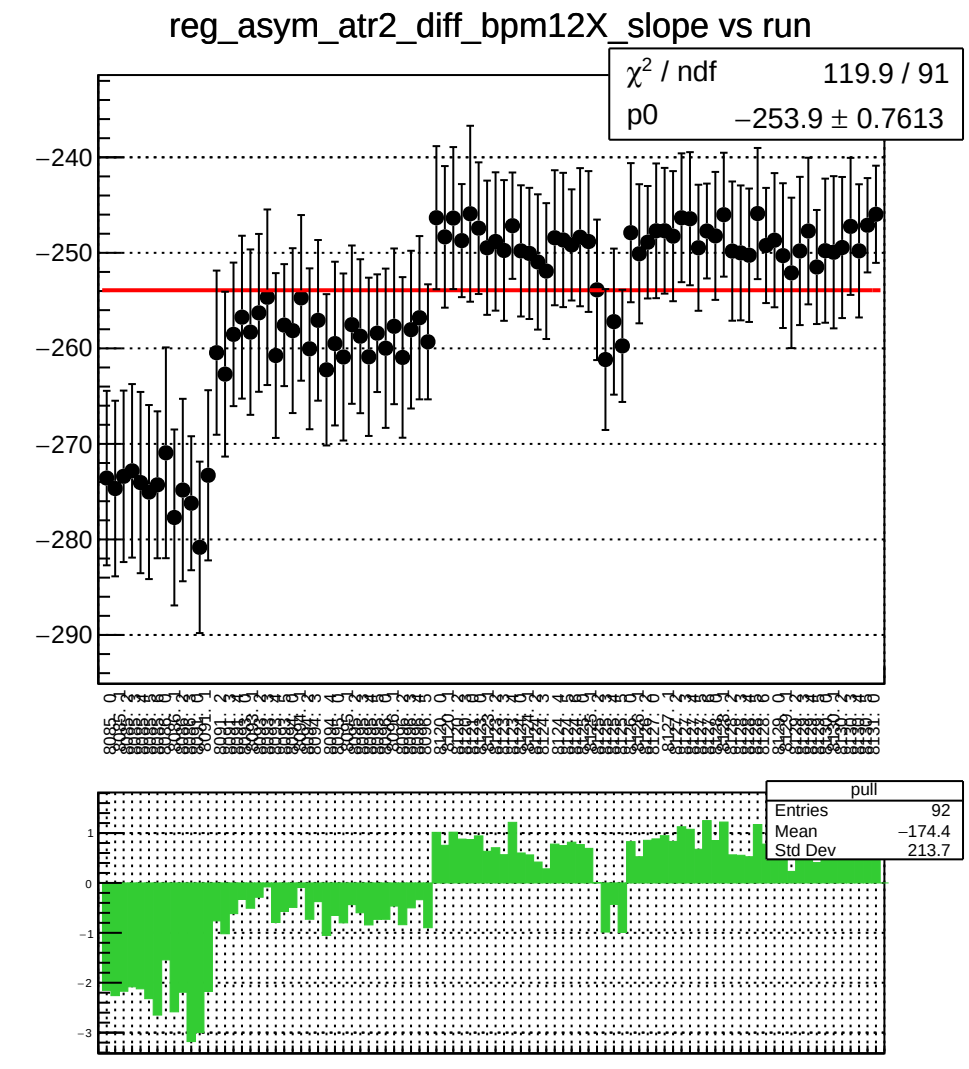

pull1D
Entries 92
Mean −0.008549
Std Dev 0.2983

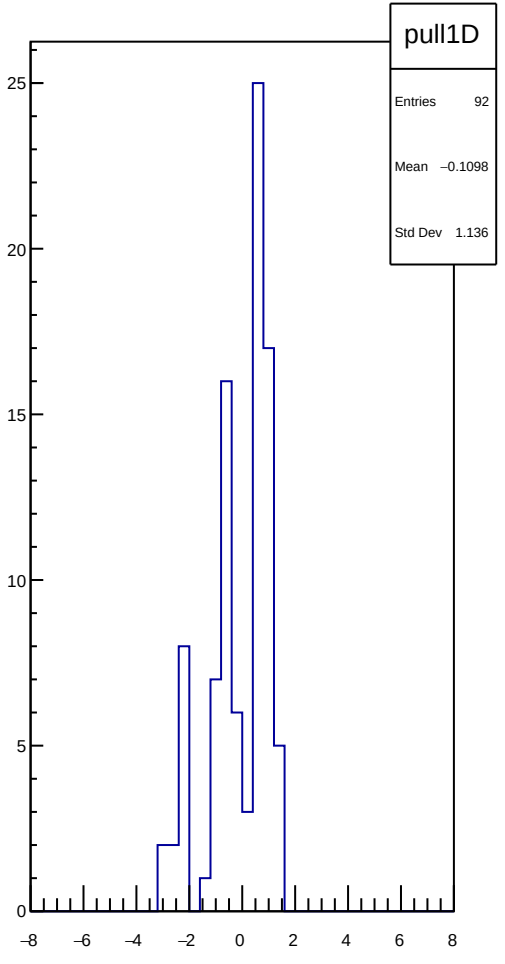

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.977 / 91
p0 128.5 ± 18.7
pull
Entries 92
Mean 101.9
Std Dev 112.2

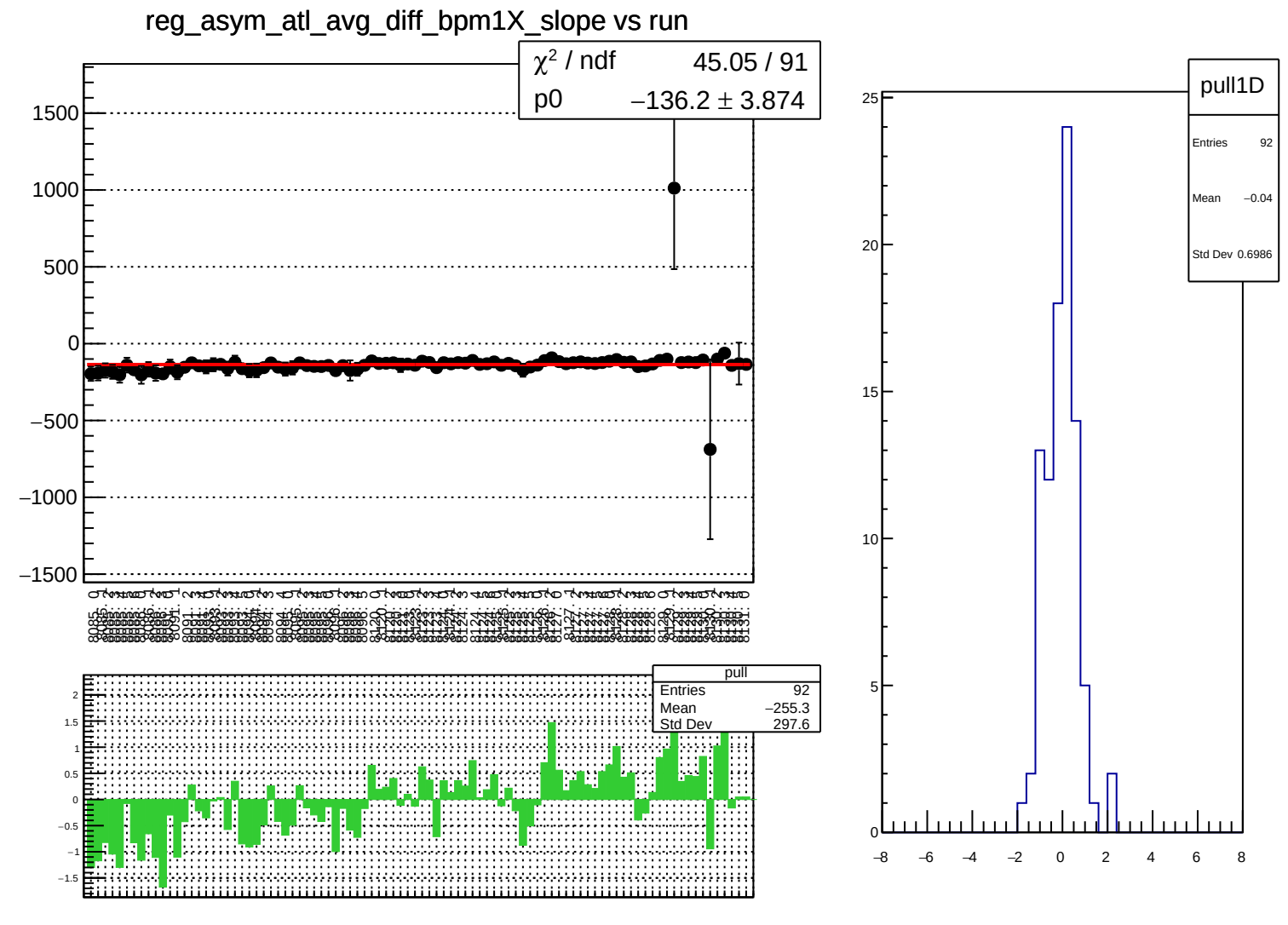

pull1D
Entries 92
Mean −0.002792
Std Dev 0.2079

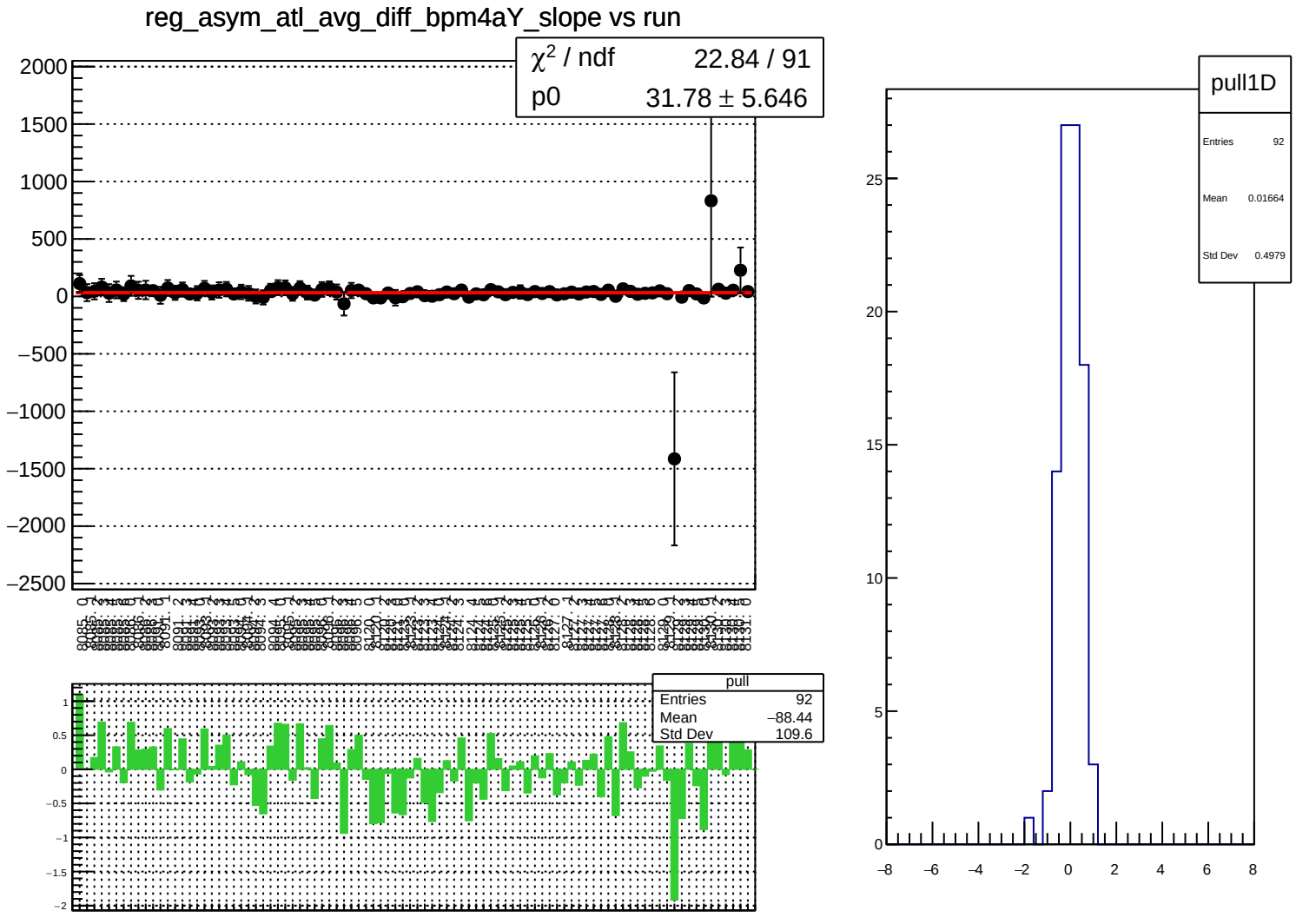

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 8.875 / 91
p0 469 ± 12.15
700
600
500
400
300
pull
Entries 92
Mean −386.3
Std Dev 429.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean 0.01118
Std Dev 0.3104
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

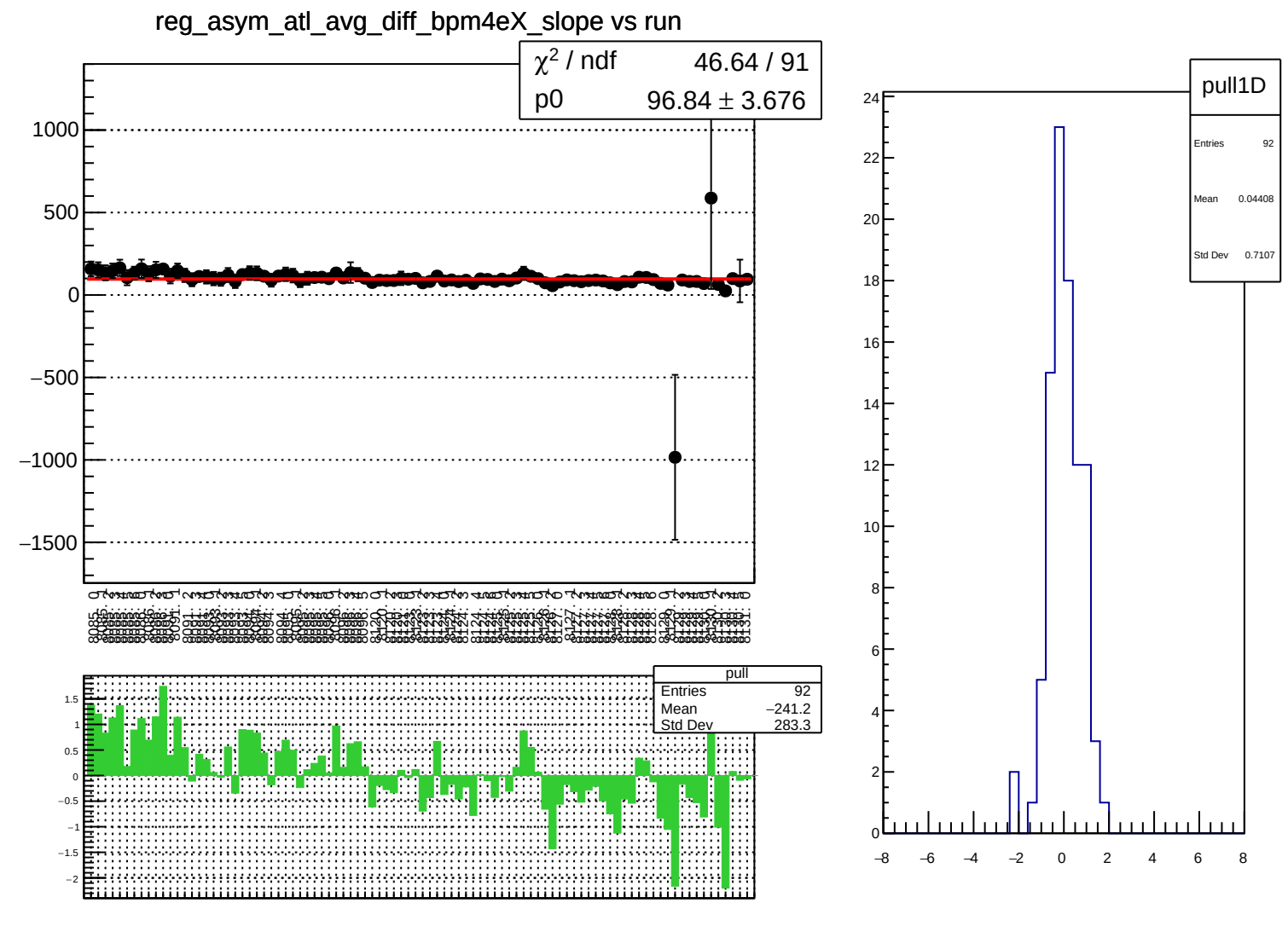

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.798 / 91
p0 −23.54 ± 19.97
pull
Entries 92
Mean −23.02
Std Dev 95.01
pull1D
Entries 92
Mean 0.004537
Std Dev 0.2031

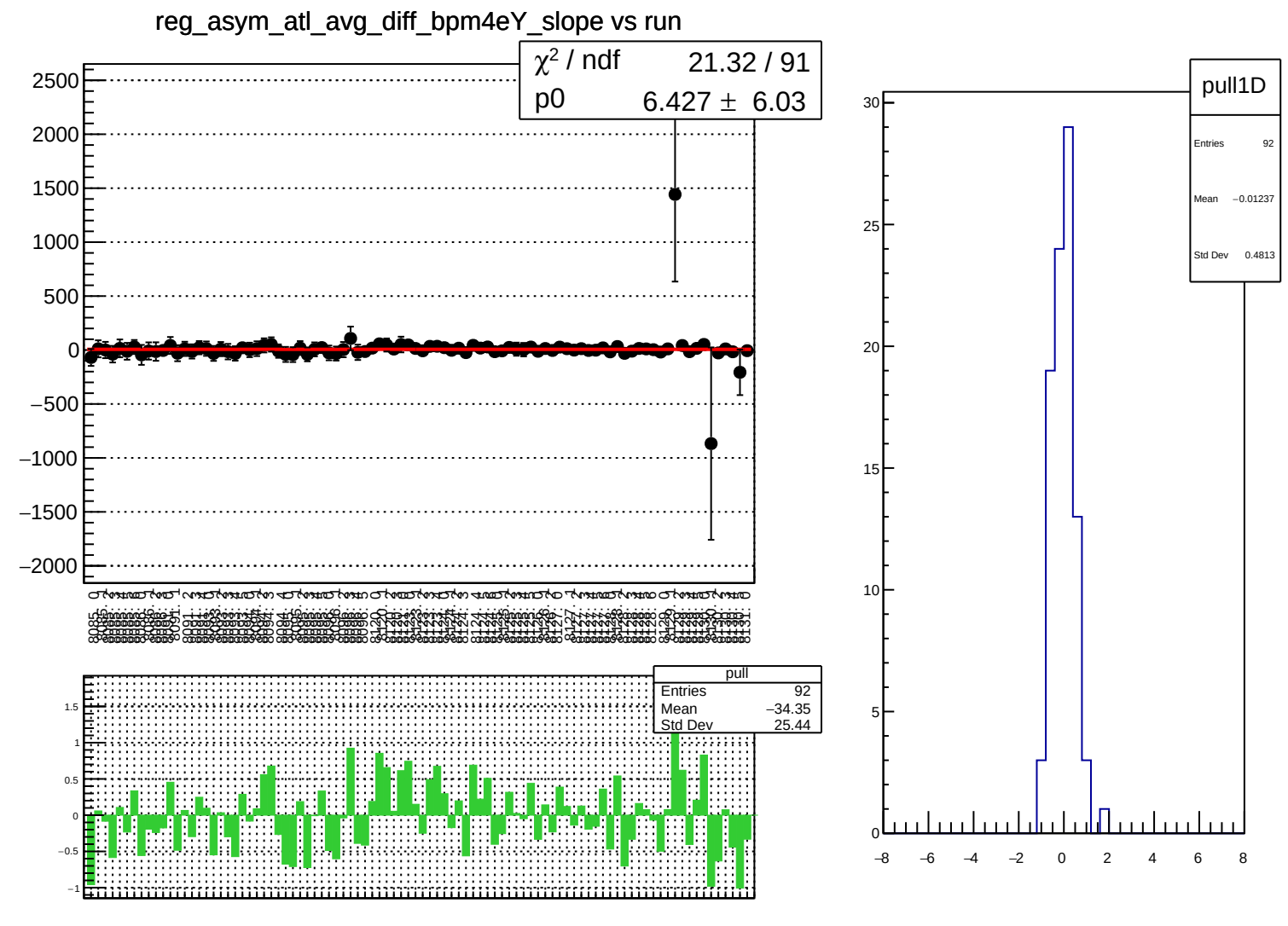

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 119.9 / 91
p0 −253.9 ± 0.7613
pull
Entries 92
Mean −174.4
Std Dev 213.7

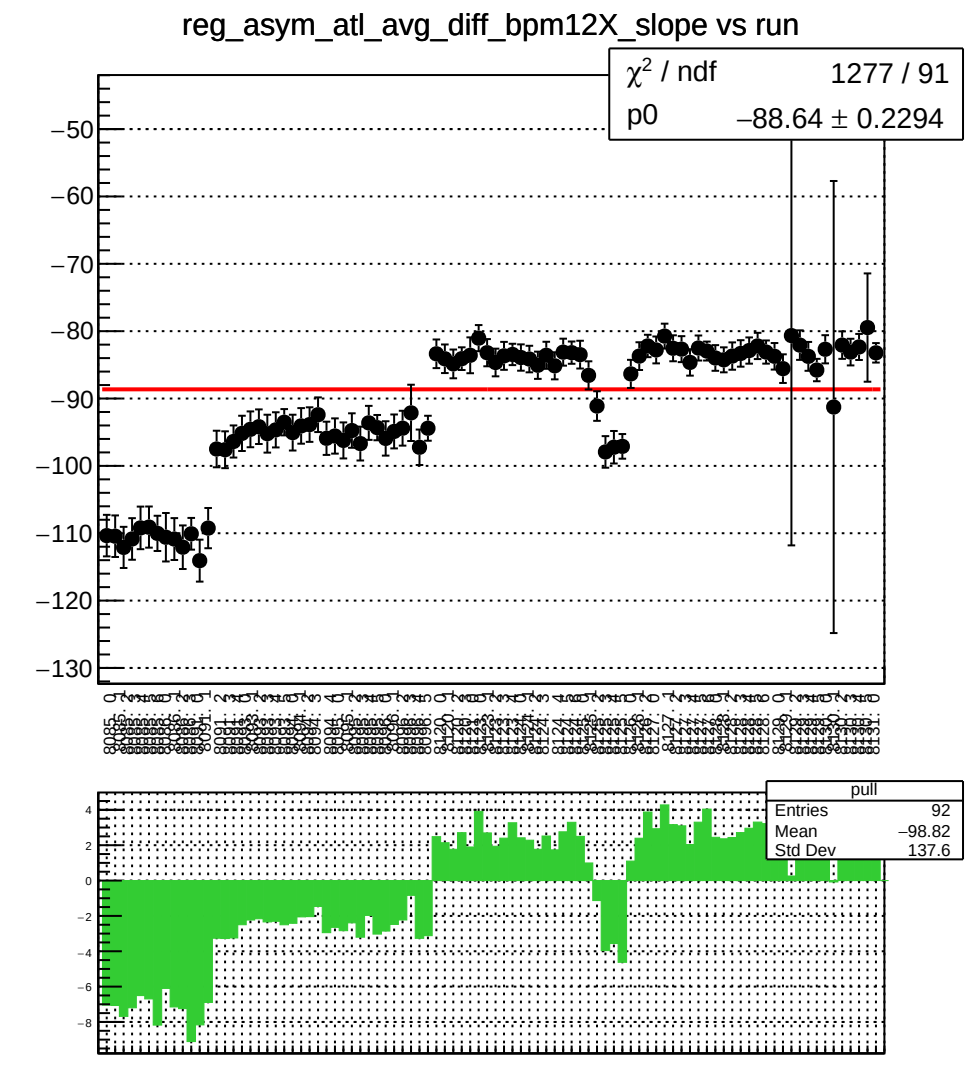

pull1D
Entries 92
Mean −0.1098
Std Dev 1.136

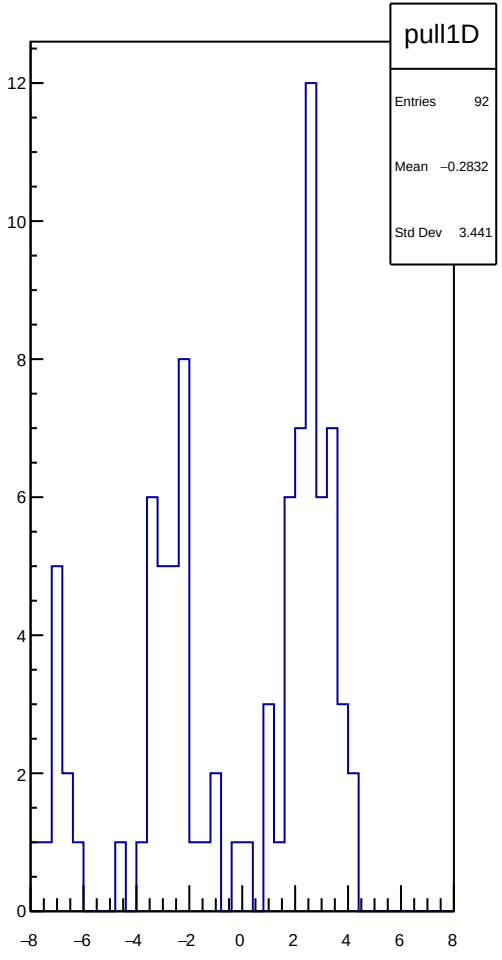

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 45.05 / 91
p0 −136.2 ± 3.874
pull
Entries 92
Mean −255.3
Std Dev 297.6
pull1D
Entries 92
Mean −0.04
Std Dev 0.6986

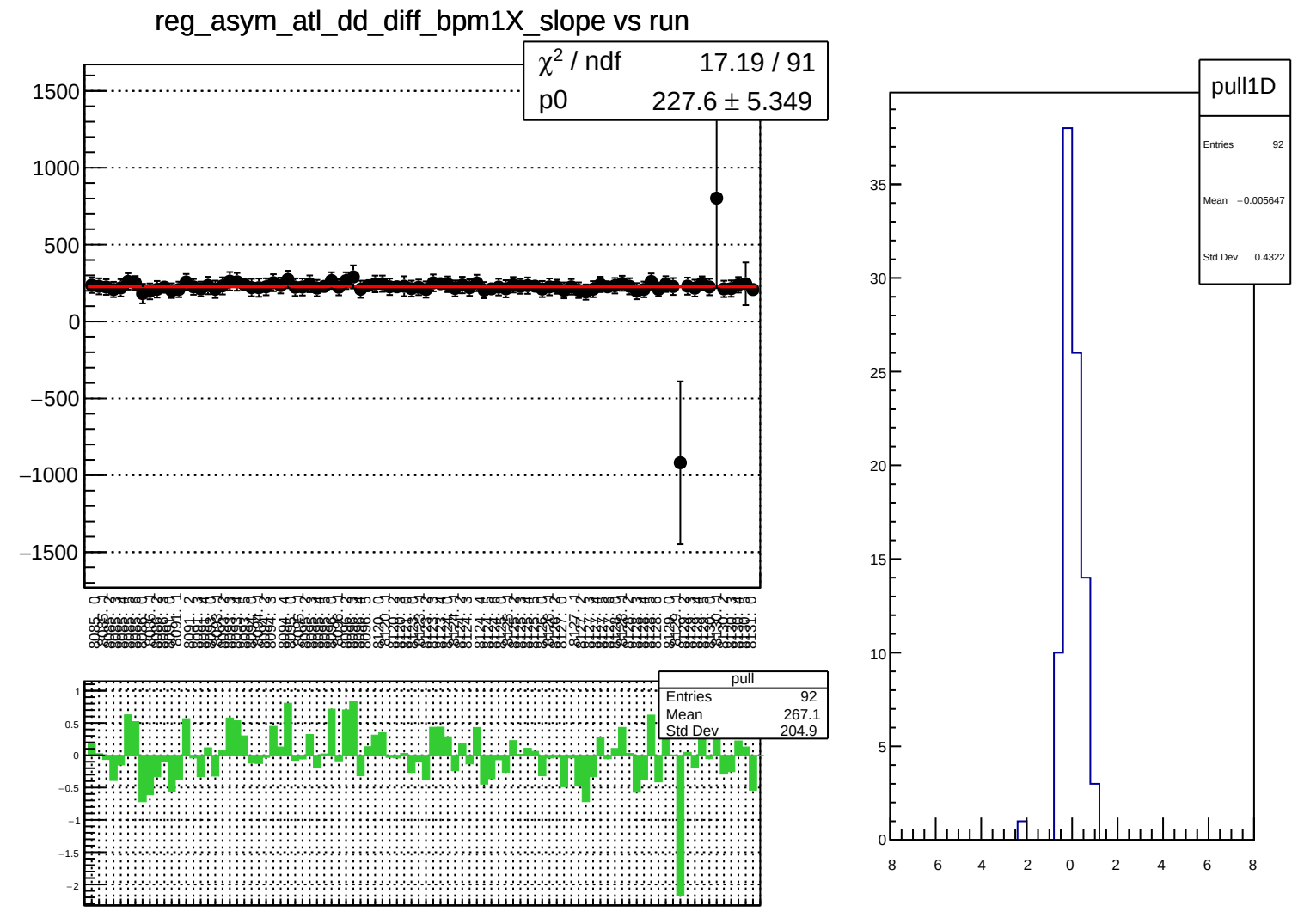

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.84 / 91
p0 31.78 ± 5.646
pull
Entries 92
Mean −88.44
Std Dev 109.6
pull1D
Entries 92
Mean 0.01664
Std Dev 0.4979

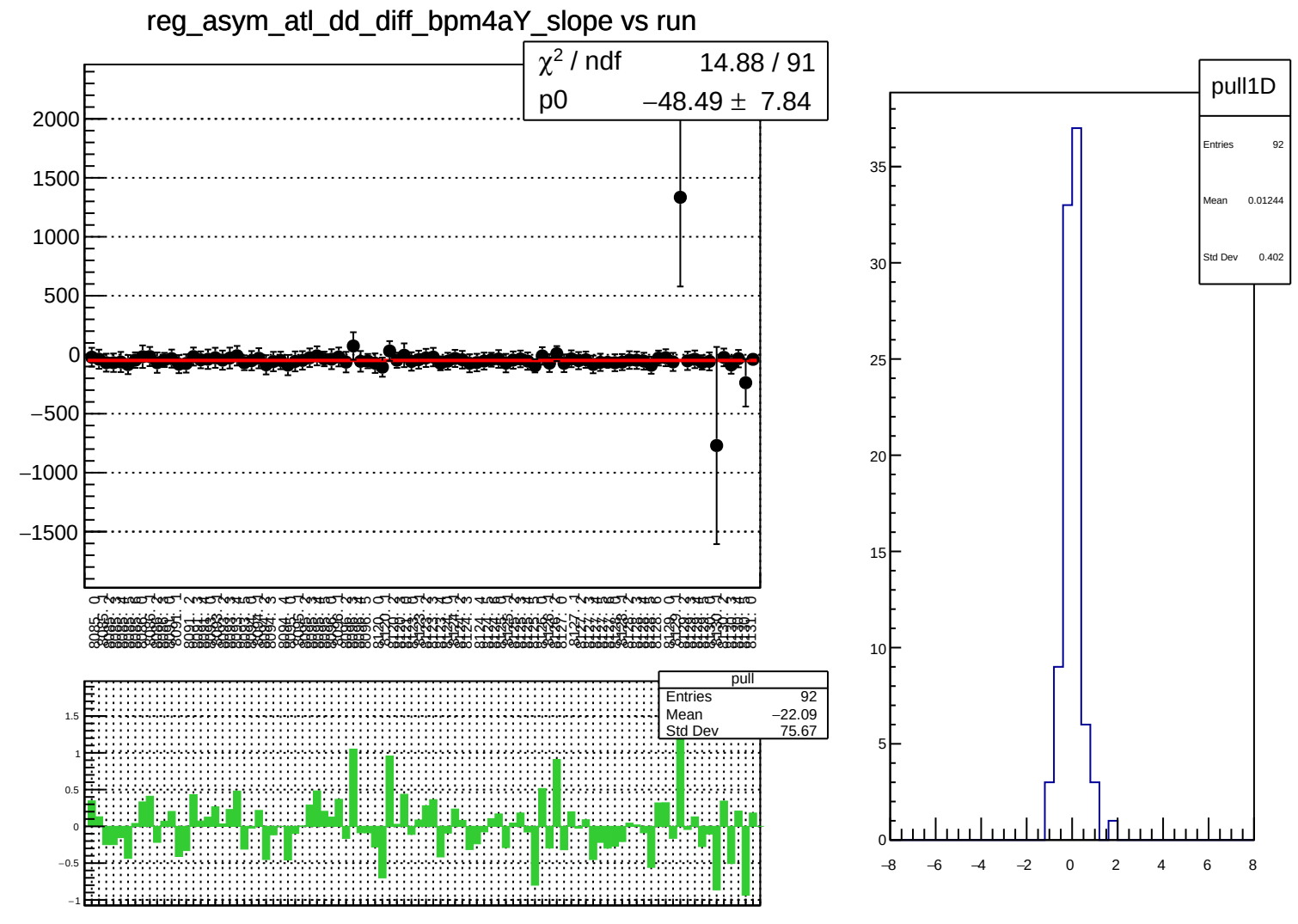

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.64 / 91
p0 96.84 ± 3.676
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean −241.2
Std Dev 283.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.04408
Std Dev 0.7107
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

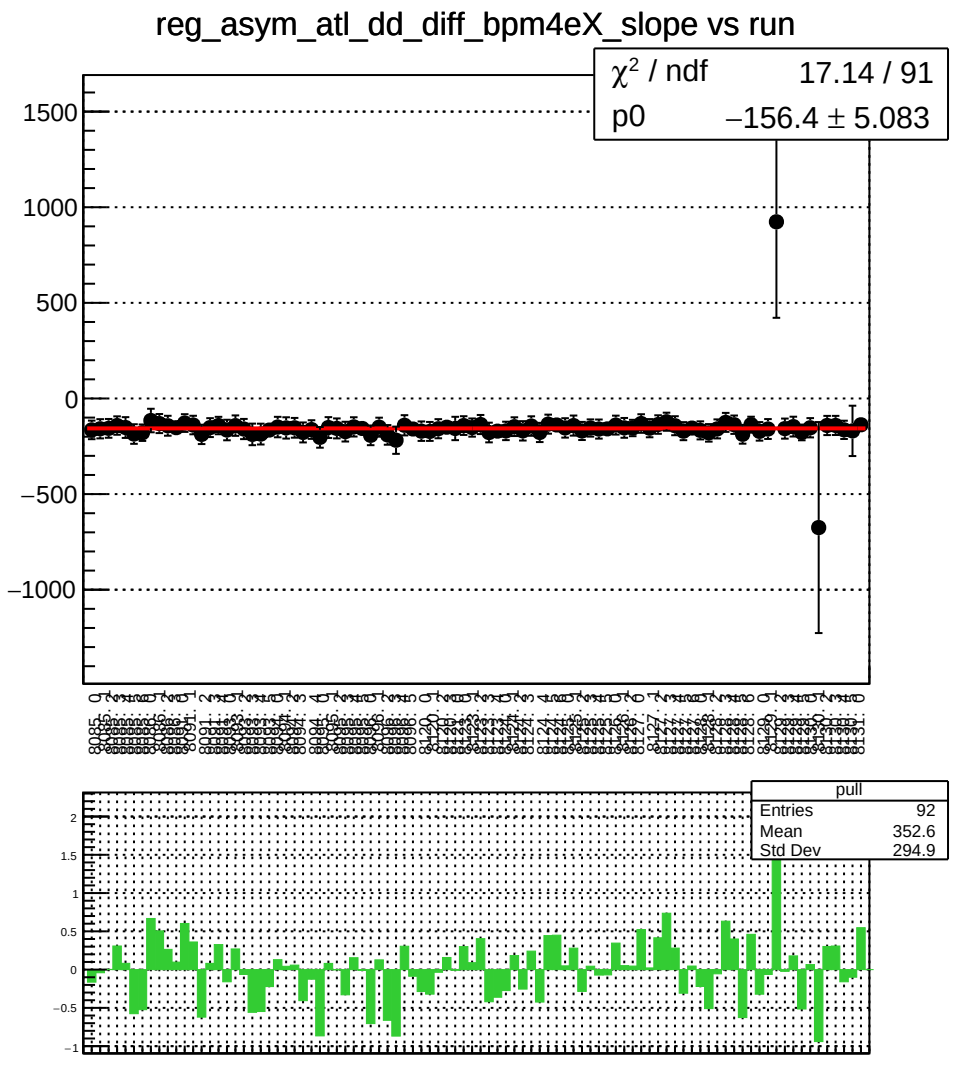

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.32 / 91
p0 6.427 ± 6.03
pull
Entries 92
Mean −34.35
Std Dev 25.44
pull1D
Entries 92
Mean −0.01237
Std Dev 0.4813

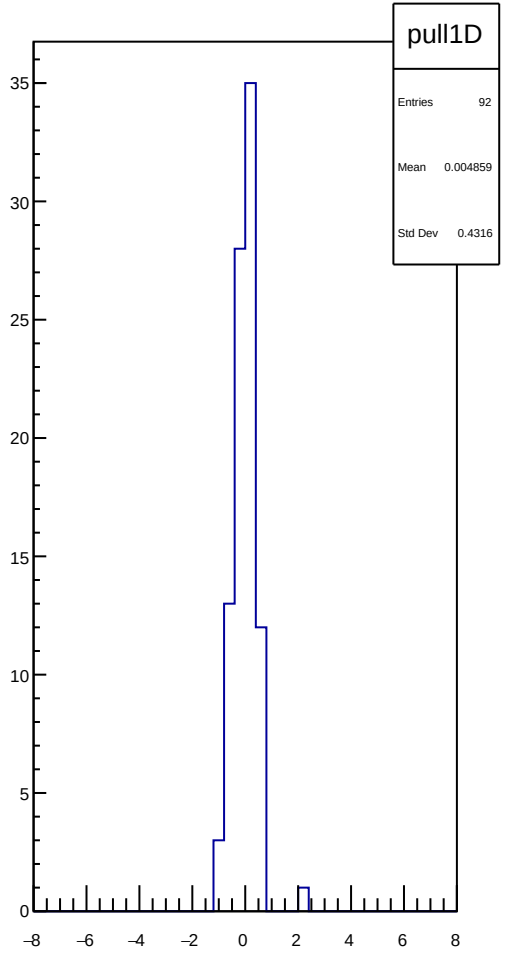

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 1277 / 91
p0 −88.64 ± 0.2294
pull
Entries 92
Mean −98.82
Std Dev 137.6

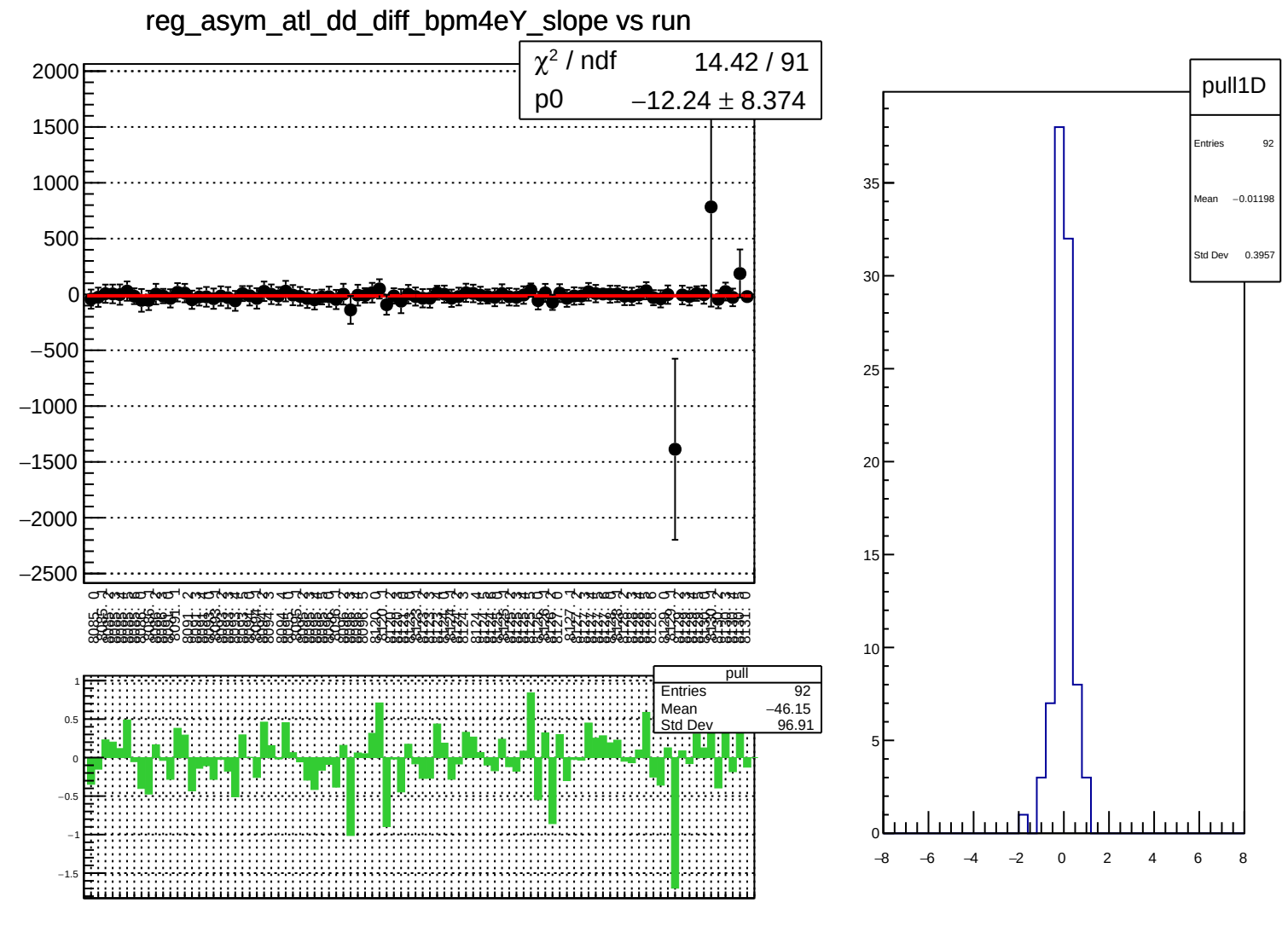

pull1D
Entries 92
Mean −0.2832
Std Dev 3.441

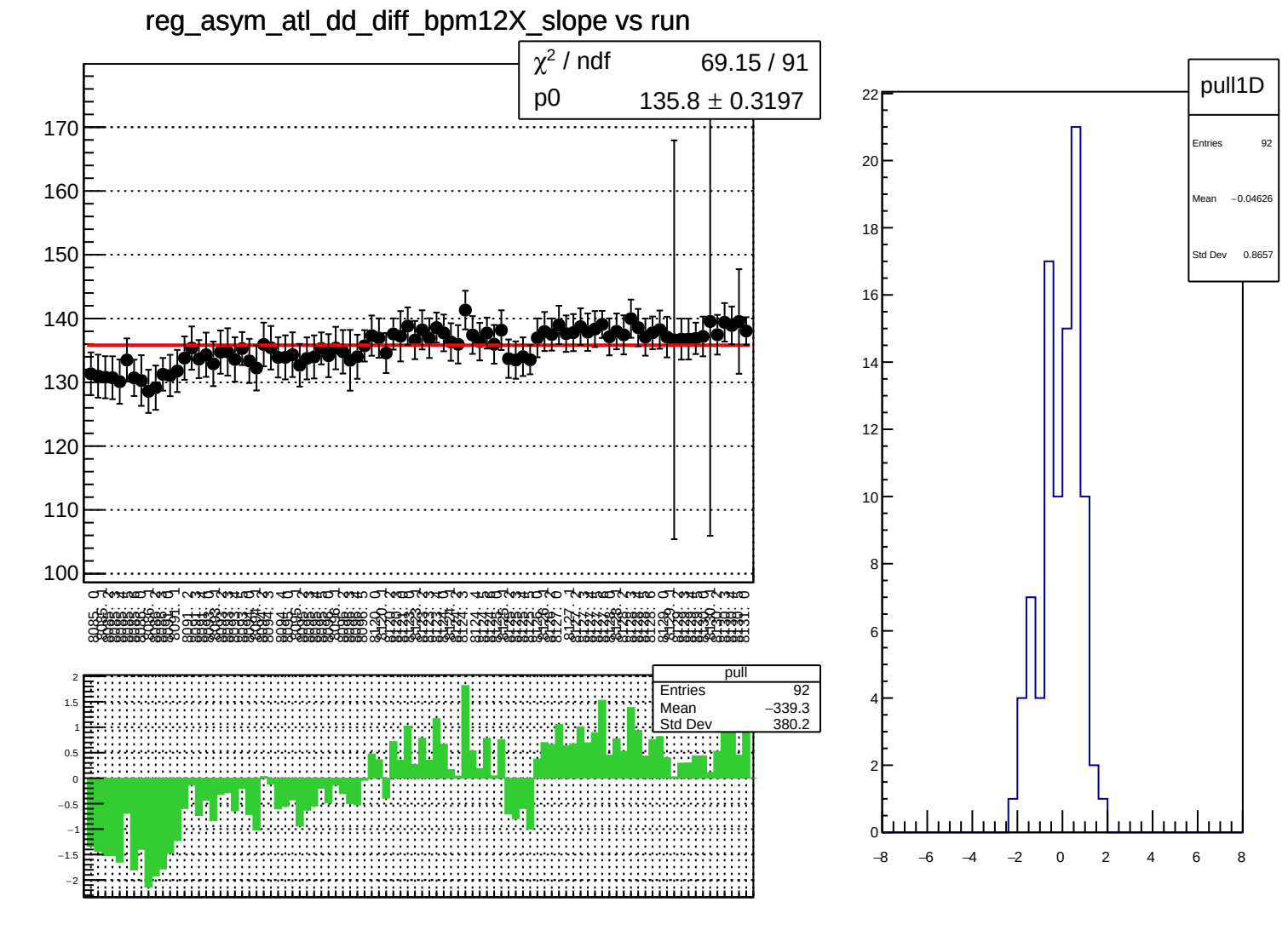

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 17.19 / 91
p0 227.6 ± 5.349
1500
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean 267.1
Std Dev 204.9
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.005647
Std Dev 0.4322
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

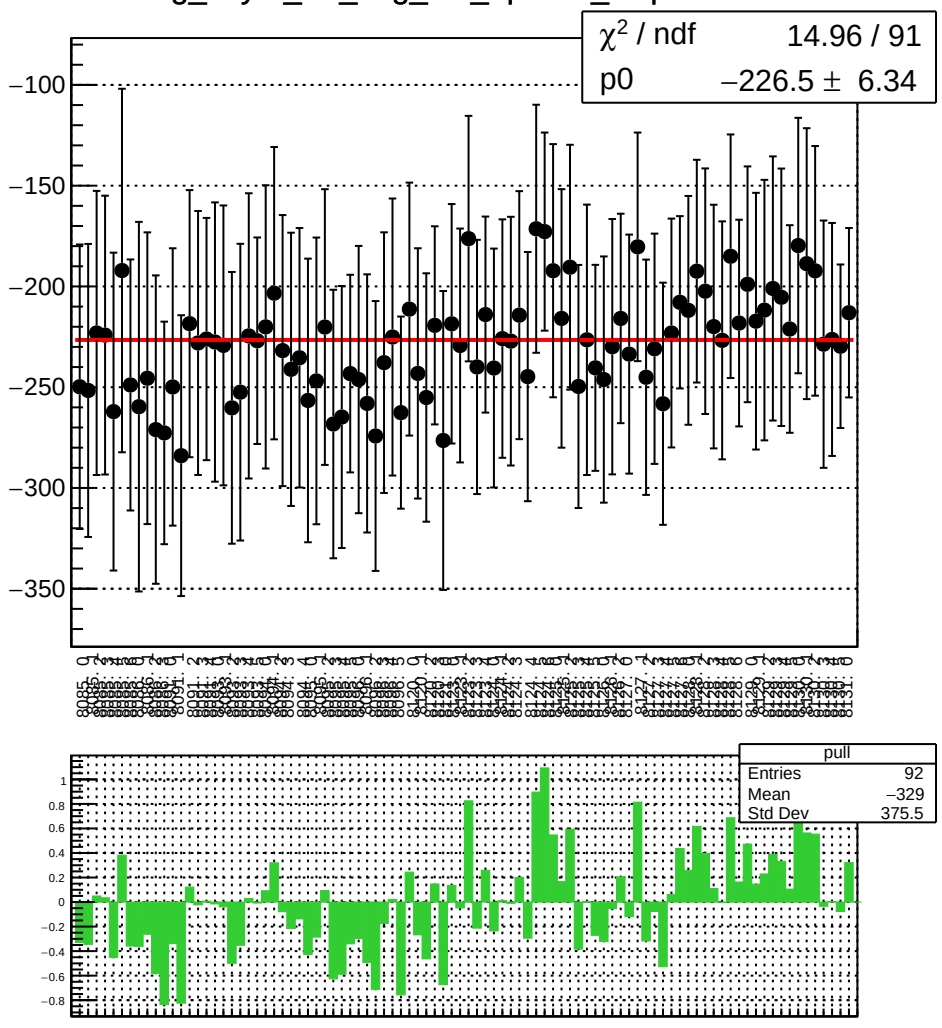

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.88 / 91
p0 −48.49 ± 7.84
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean −22.09
Std Dev 75.67
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean 0.01244
Std Dev 0.402
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

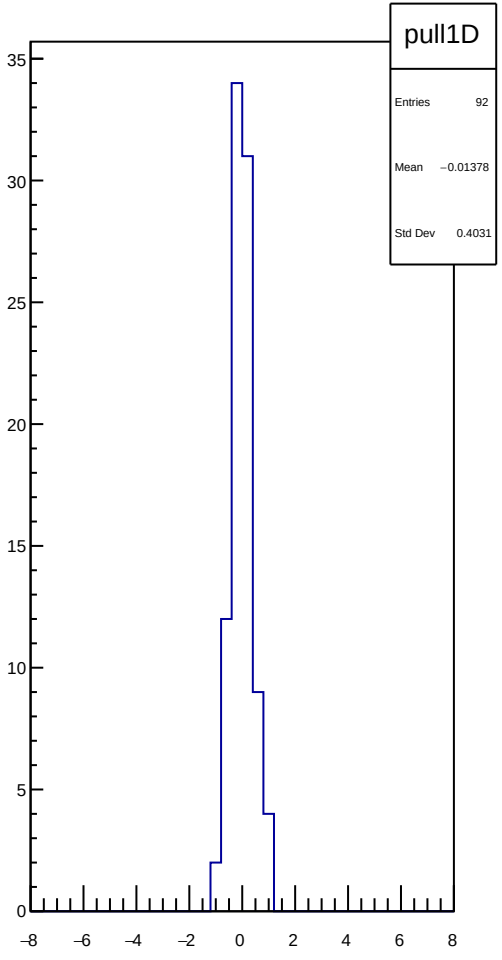

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.14 / 91
p0 −156.4 ± 5.083
1500
1000
500
0
−500
−1000
pull
Entries 92
Mean 352.6
Std Dev 294.9
2
1.5
1
0.5
0
−0.5
−1

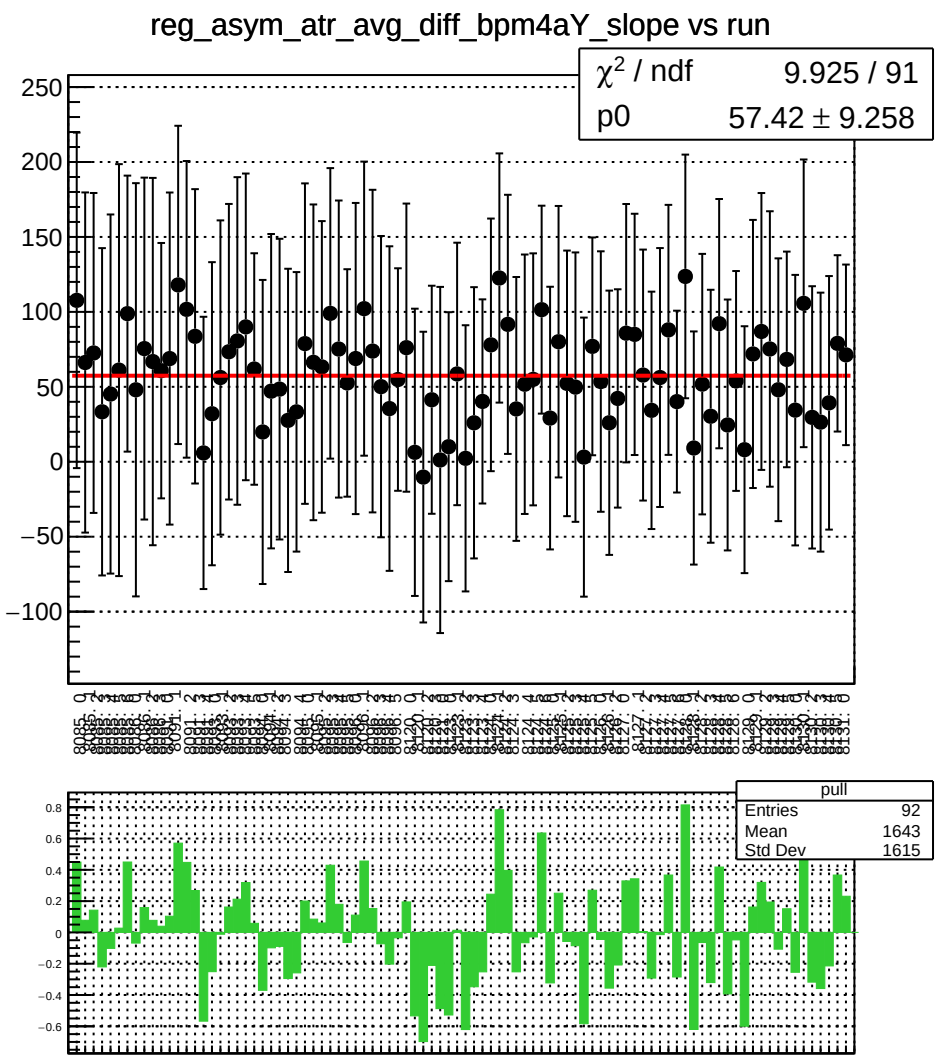

pull1D
Entries 92
Mean 0.004859
Std Dev 0.4316
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

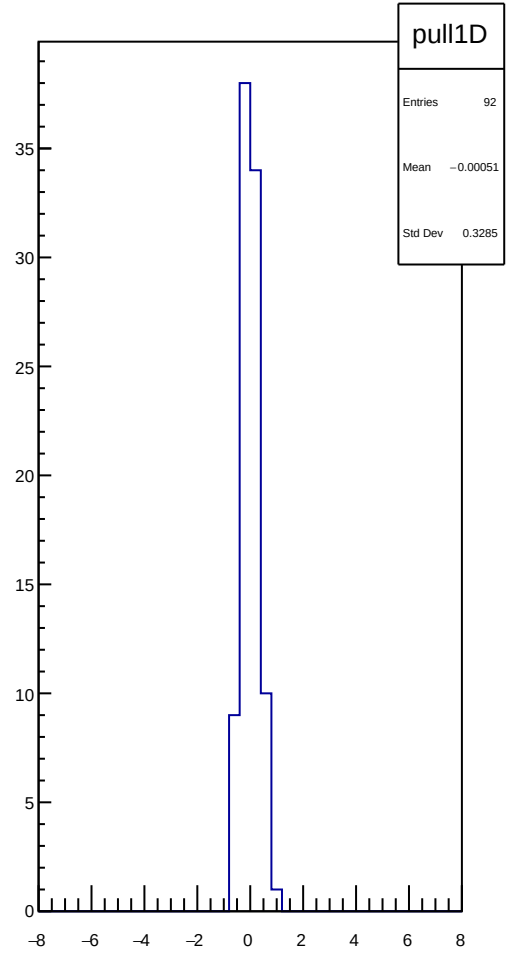

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.42 / 91
p0 −12.24 ± 8.374
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 92
Mean −46.15
Std Dev 96.91
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.01198
Std Dev 0.3957
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

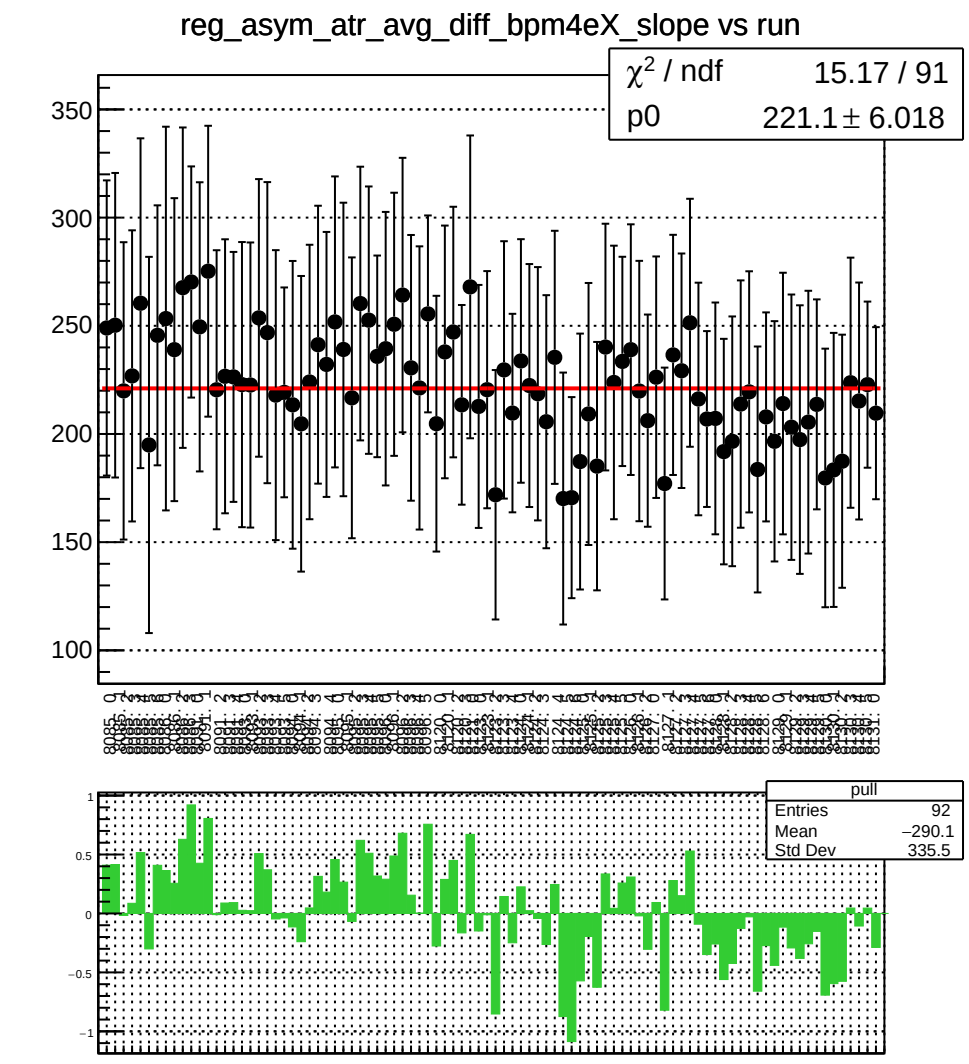

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 69.15 / 91
p0 135.8 ± 0.3197
pull
Entries 92
Mean −339.3
Std Dev 380.2
pull1D
Entries 92
Mean −0.04626
Std Dev 0.8657

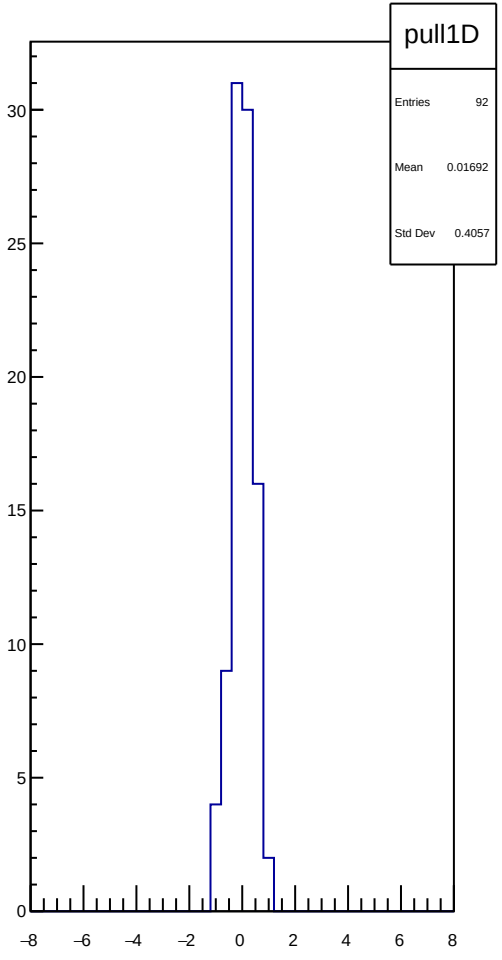

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 14.96 / 91
p0 −226.5 ± 6.34
pull
Entries 92
Mean −329
Std Dev 375.5

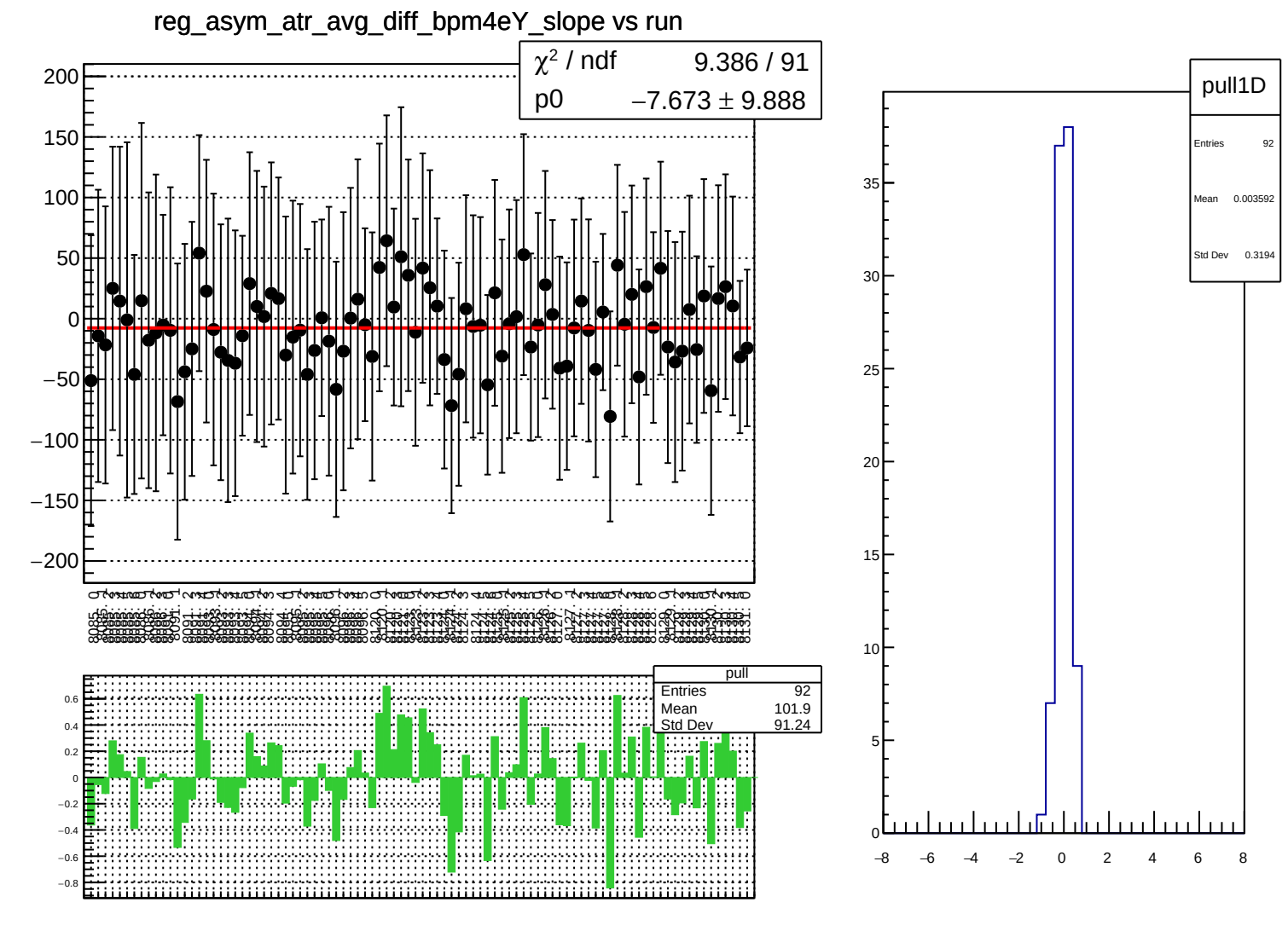

pull1D
Entries 92
Mean −0.01378
Std Dev 0.4031

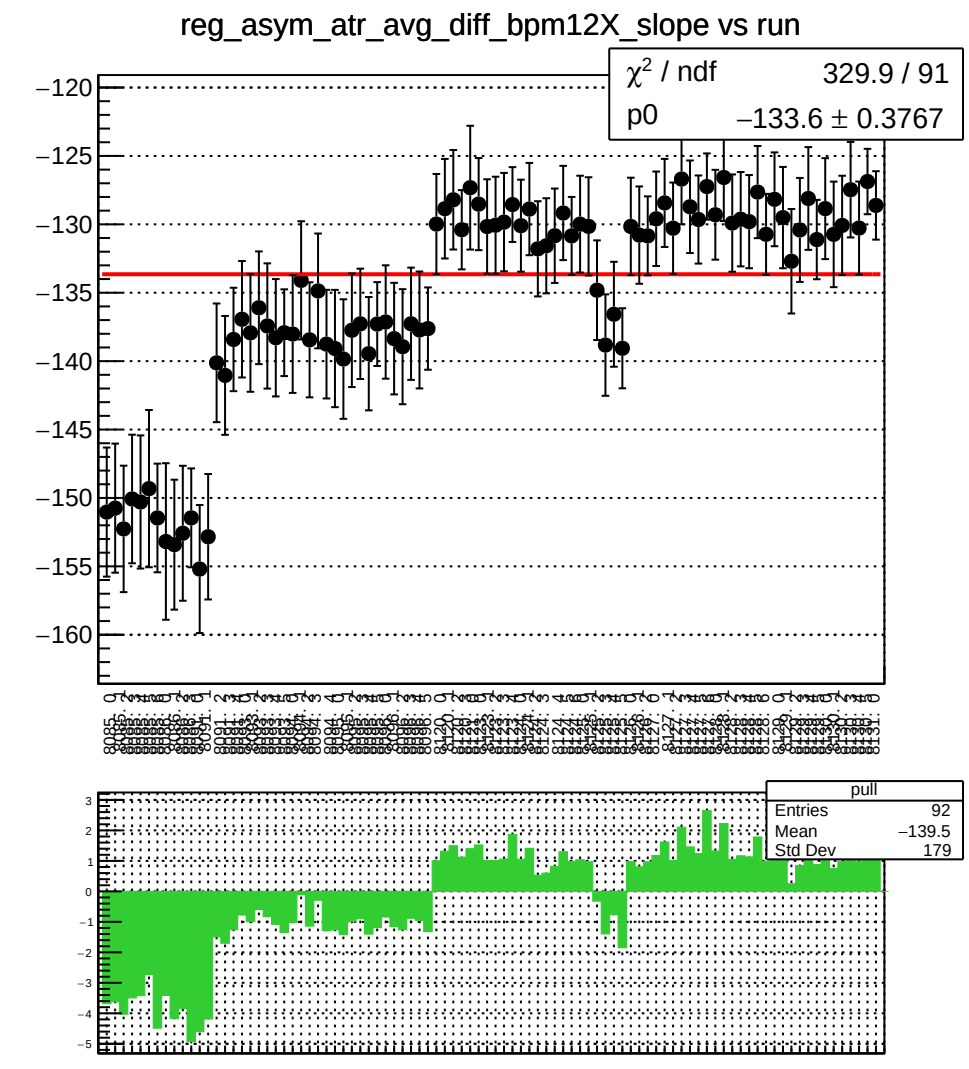

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.925 / 91
p0 57.42 ± 9.258
pull
Entries 92
Mean 1643
Std Dev 1615

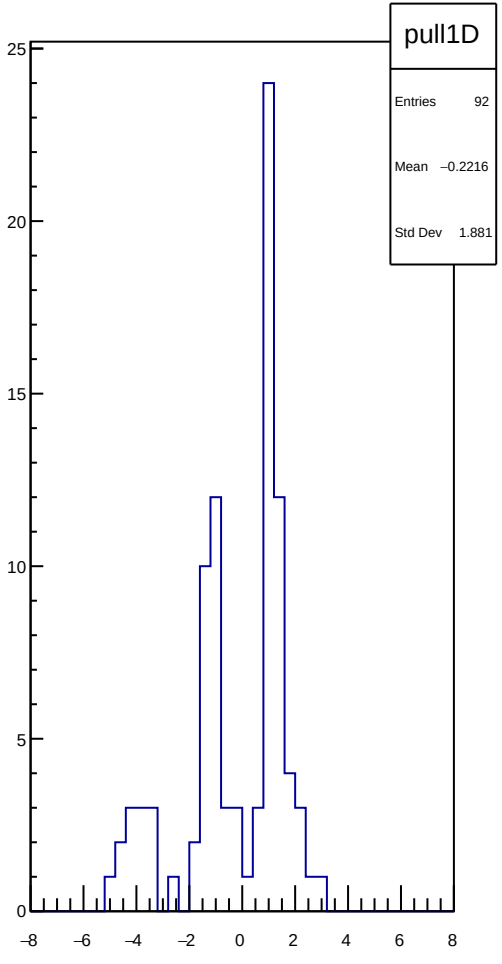

pull1D
Entries 92
Mean −0.00051
Std Dev 0.3285

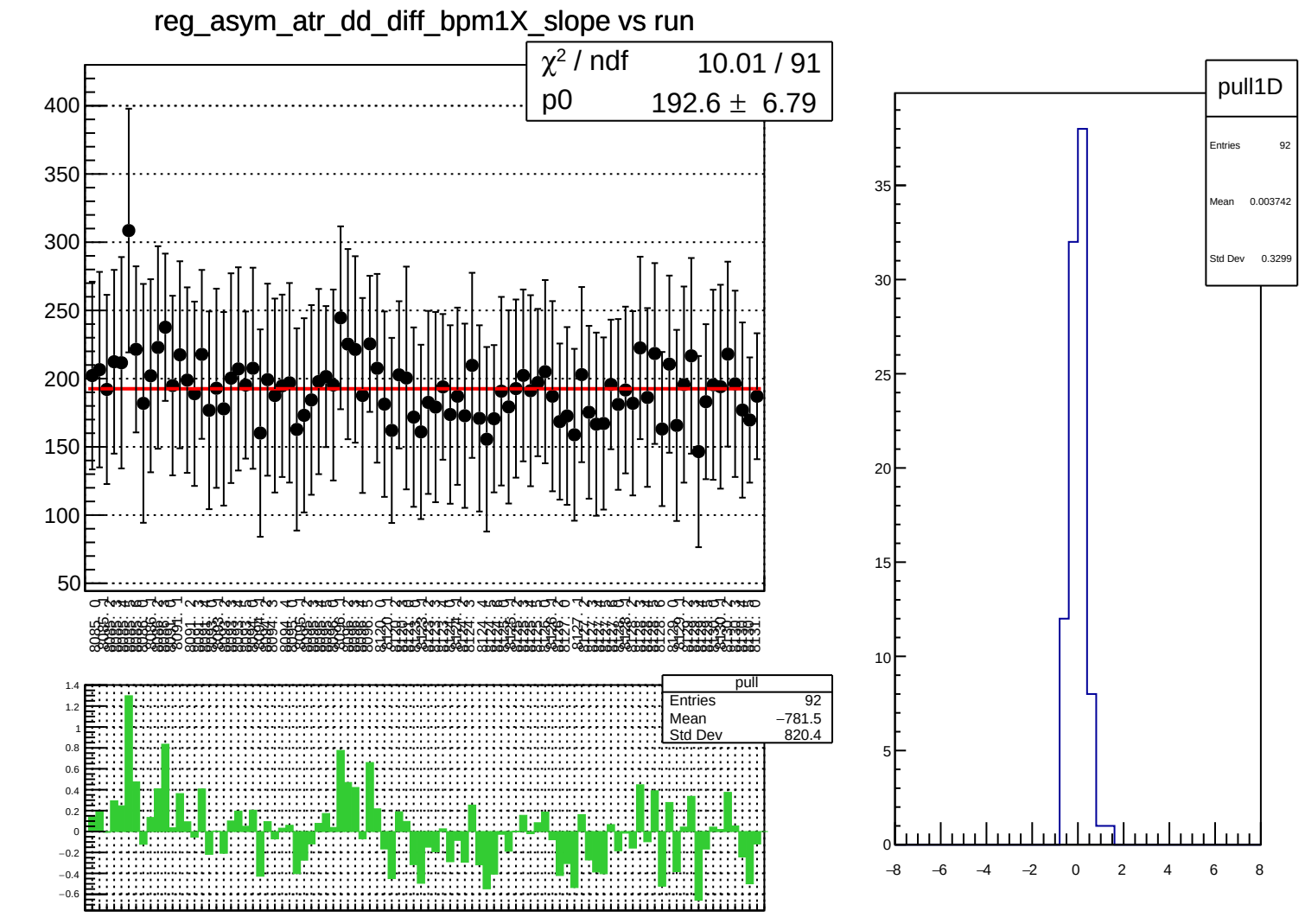

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.17 / 91
p0 221.1 ± 6.018
pull
Entries 92
Mean −290.1
Std Dev 335.5

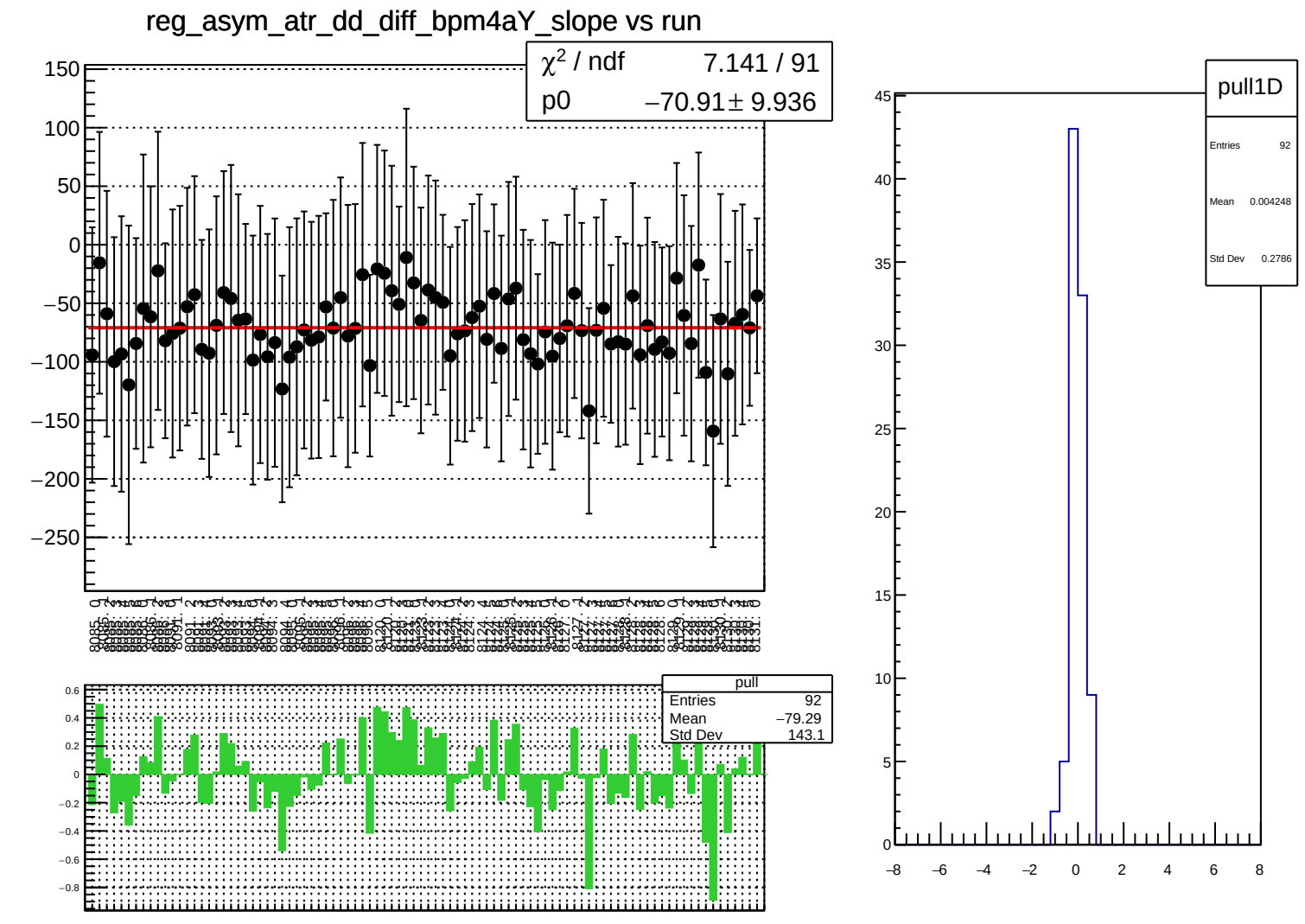

pull1D
Entries 92
Mean 0.01692
Std Dev 0.4057

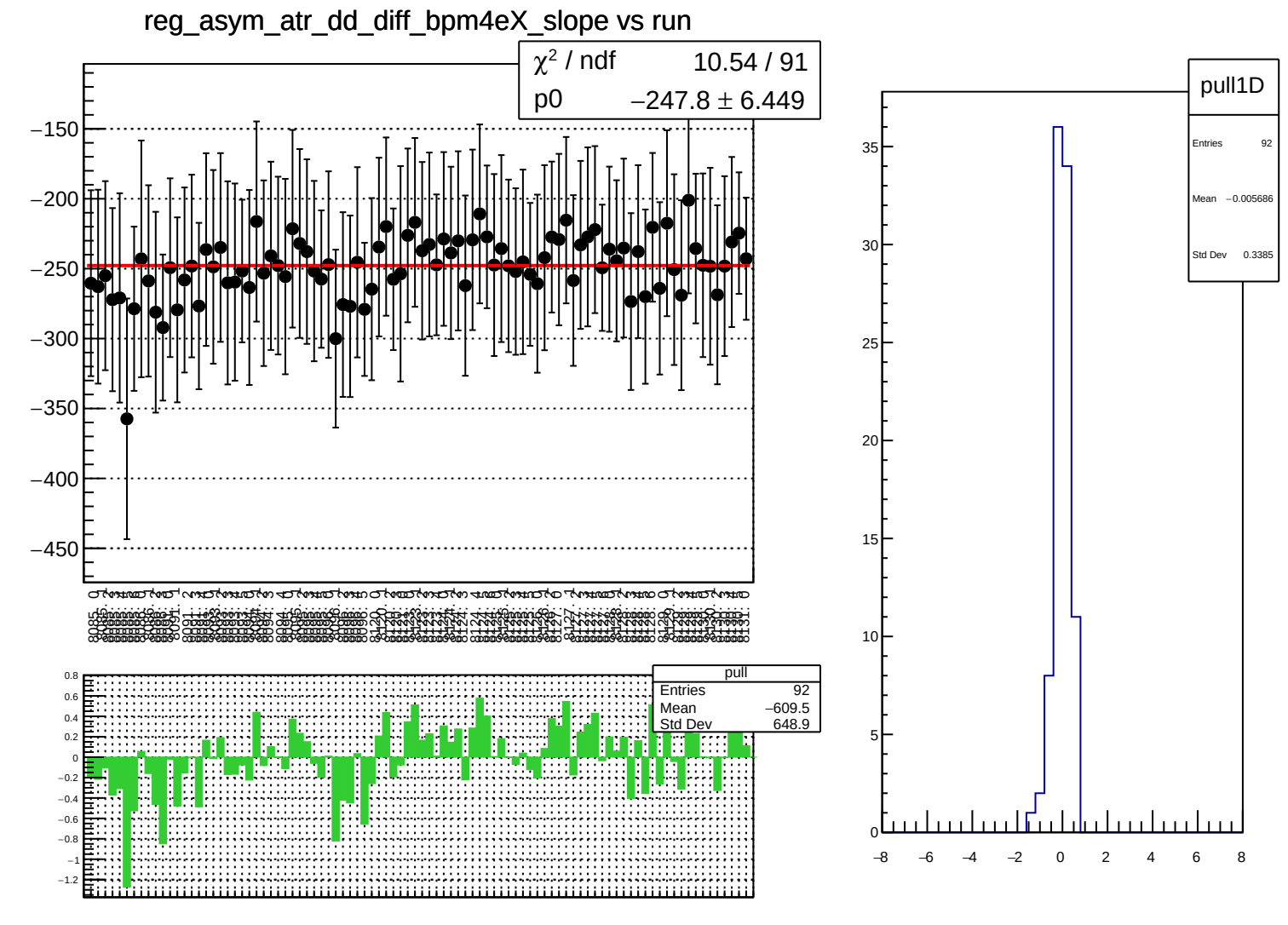

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.386 / 91
p0 −7.673 ± 9.888
pull
Entries 92
Mean 101.9
Std Dev 91.24
pull1D
Entries 92
Mean 0.003592
Std Dev 0.3194

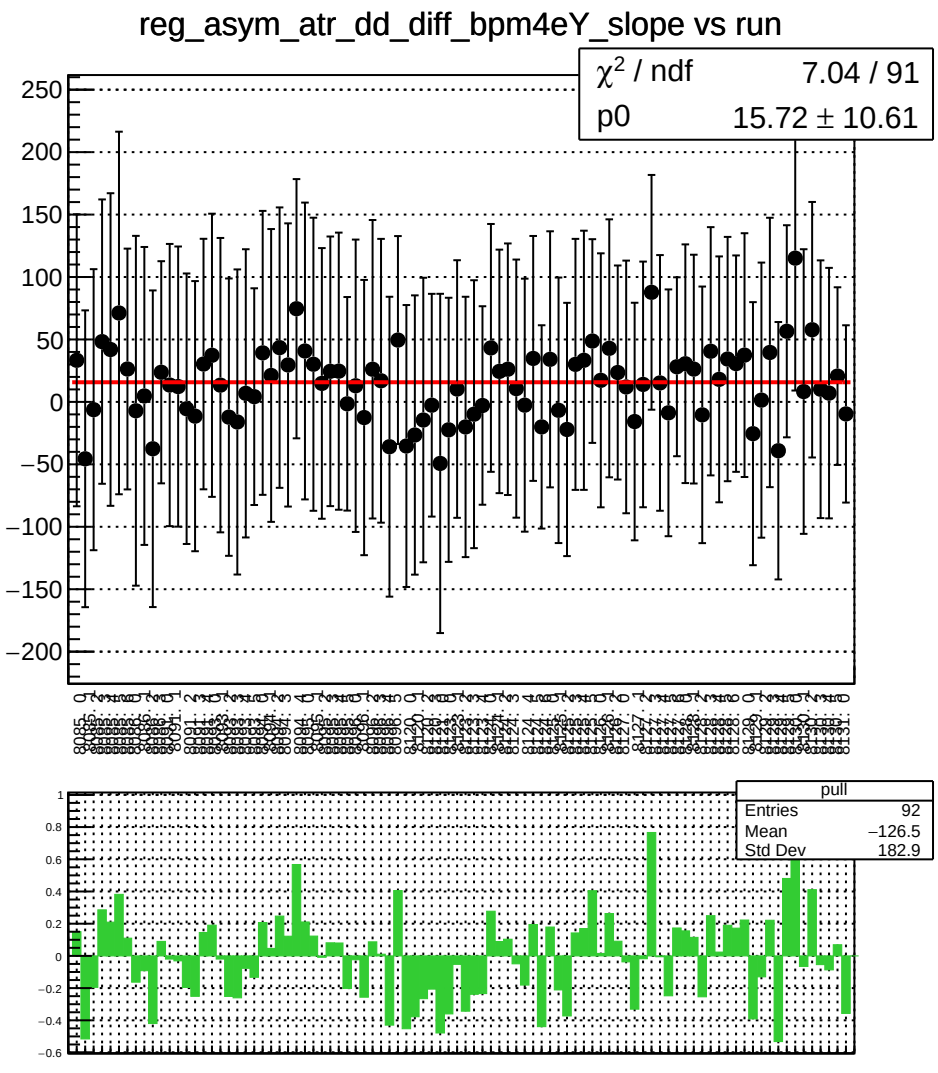

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 329.9 / 91
p0 −133.6 ± 0.3767
pull
Entries 92
Mean −139.5
Std Dev 179

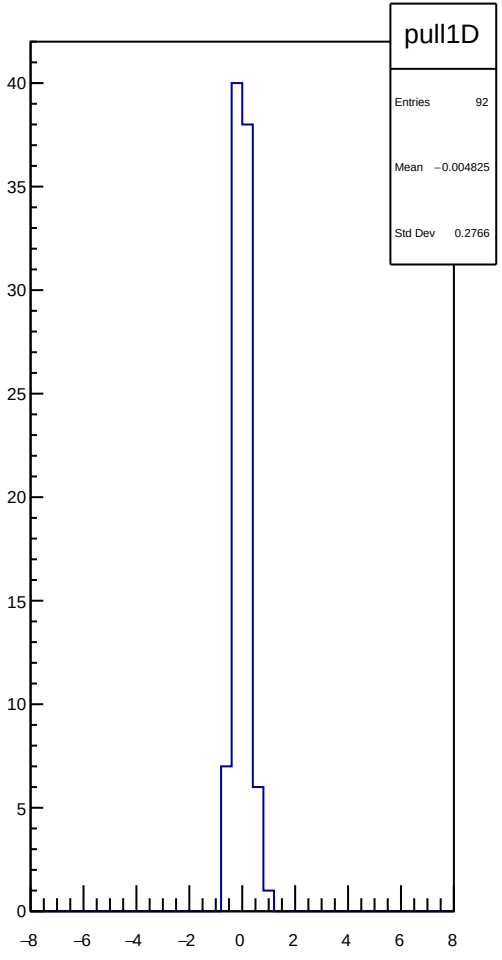

pull1D
Entries 92
Mean −0.2216
Std Dev 1.881

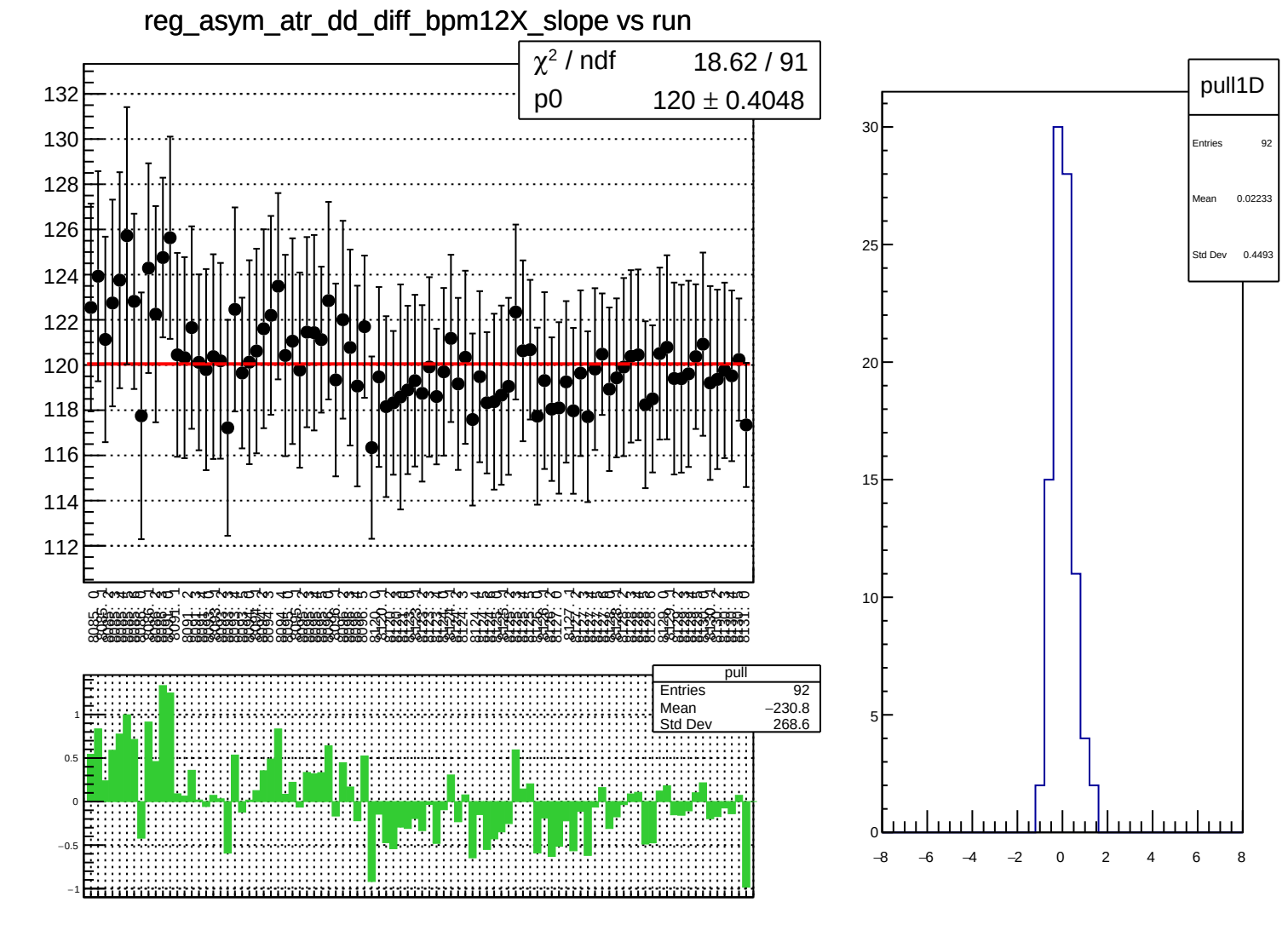

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 10.01 / 91
p0 192.6 ± 6.79
pull
Entries 92
Mean −781.5
Std Dev 820.4
pull1D
Entries 92
Mean 0.003742
Std Dev 0.3299

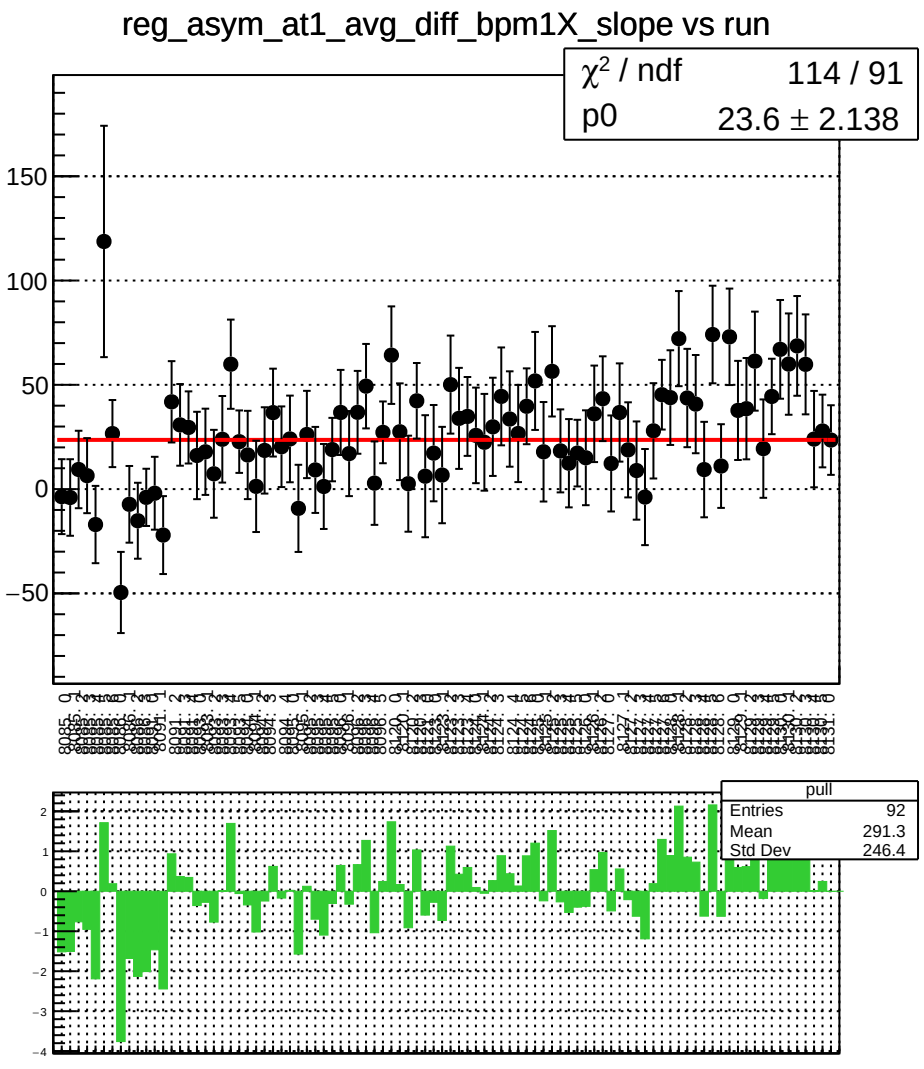

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.141 / 91
p0 −70.91 ± 9.936
pull
Entries 92
Mean −79.29
Std Dev 143.1
pull1D
Entries 92
Mean 0.004248
Std Dev 0.2786

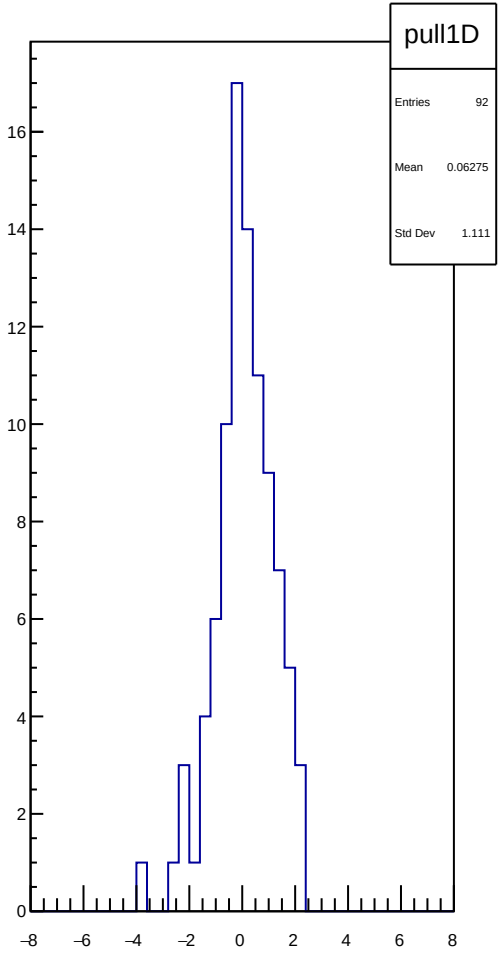

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.54 / 91
p0 −247.8 ± 6.449
pull
Entries 92
Mean −609.5
Std Dev 648.9
pull1D
Entries 92
Mean −0.005686
Std Dev 0.3385

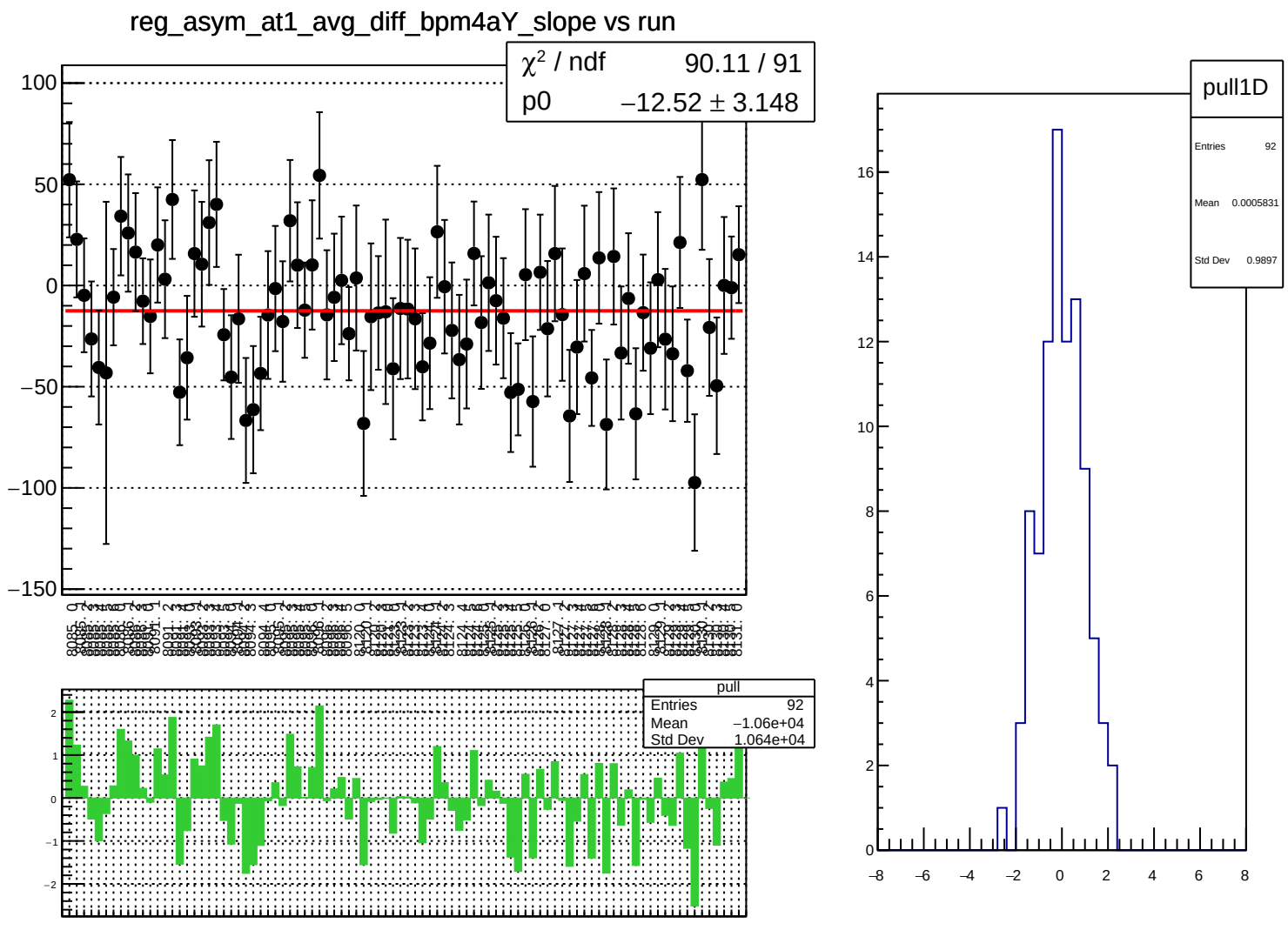

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.04 / 91
p0 15.72 ± 10.61
pull
Entries 92
Mean −126.5
Std Dev 182.9

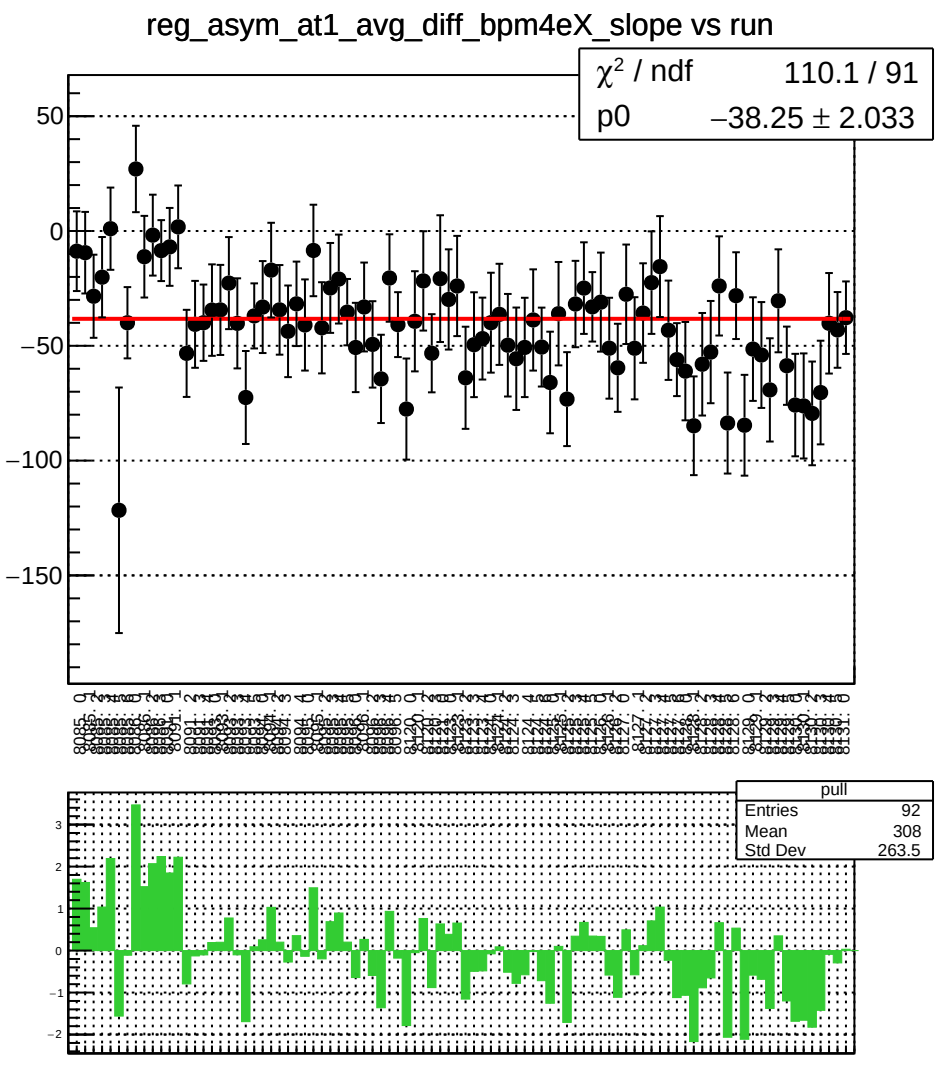

pull1D
Entries 92
Mean −0.004825
Std Dev 0.2766

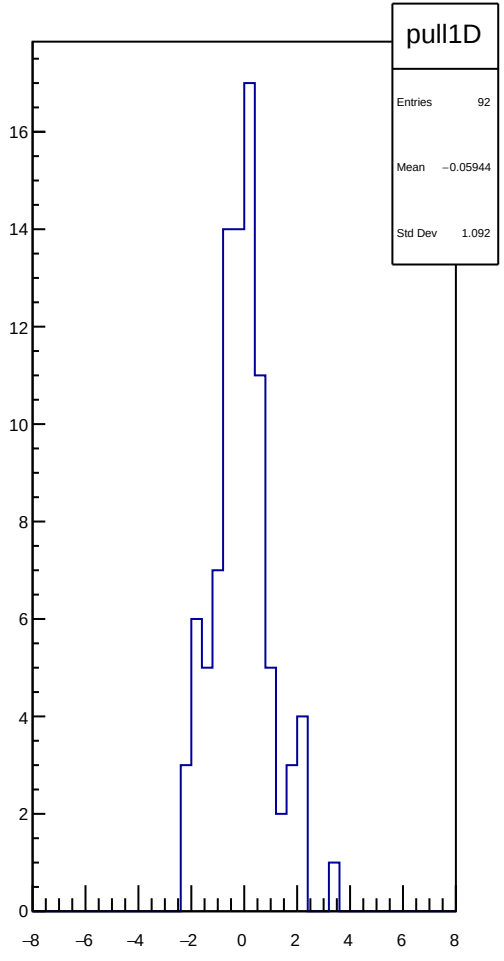

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 18.62 / 91
p0 120 ± 0.4048
pull
Entries 92
Mean −230.8
Std Dev 268.6
pull1D
Entries 92
Mean 0.02233
Std Dev 0.4493

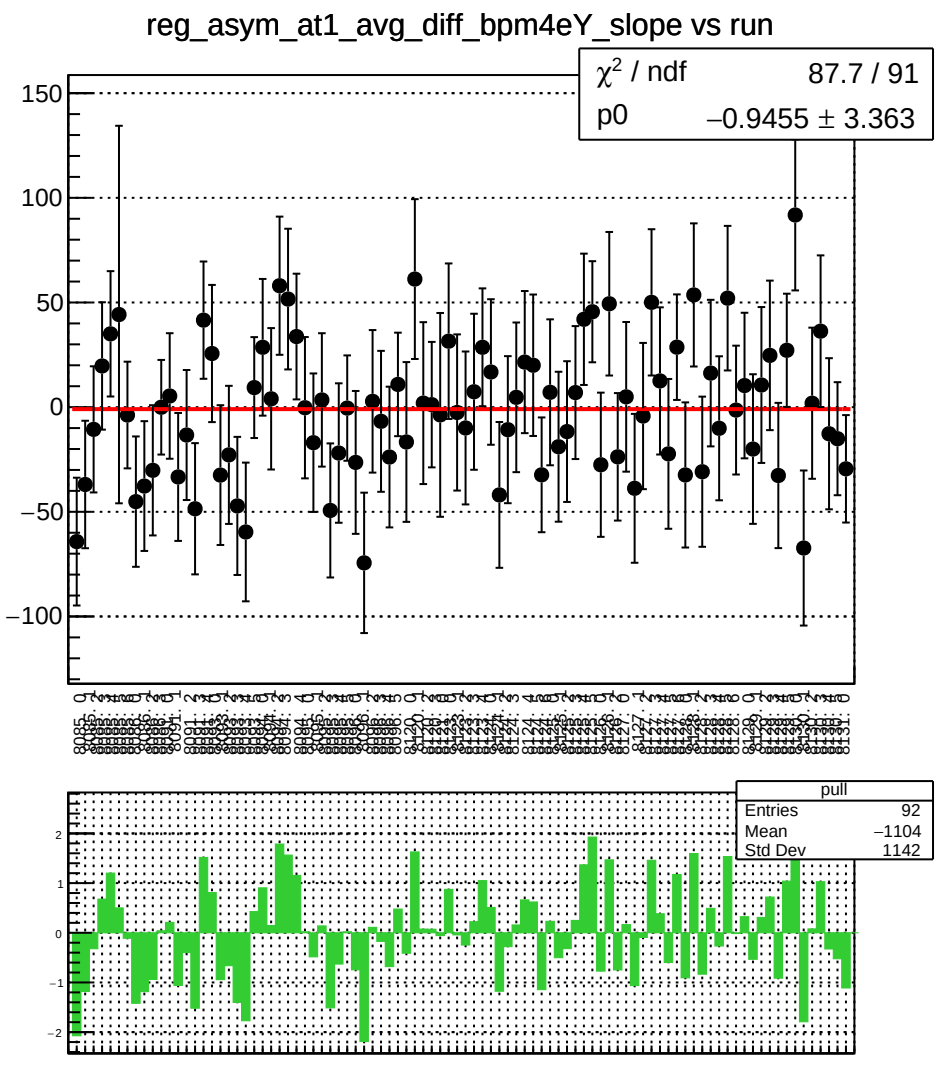

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 114 / 91
p0 23.6 ± 2.138
150
100
50
0
−50
pull
Entries 92
Mean 291.3
Std Dev 246.4
2
1
0
−1
−2
−3
−4

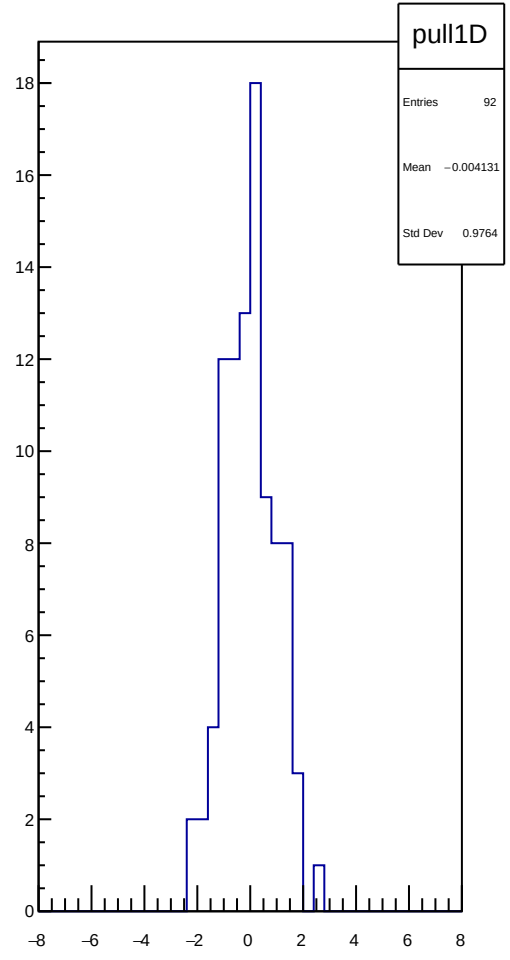

pull1D
Entries 92
Mean 0.06275
Std Dev 1.111
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

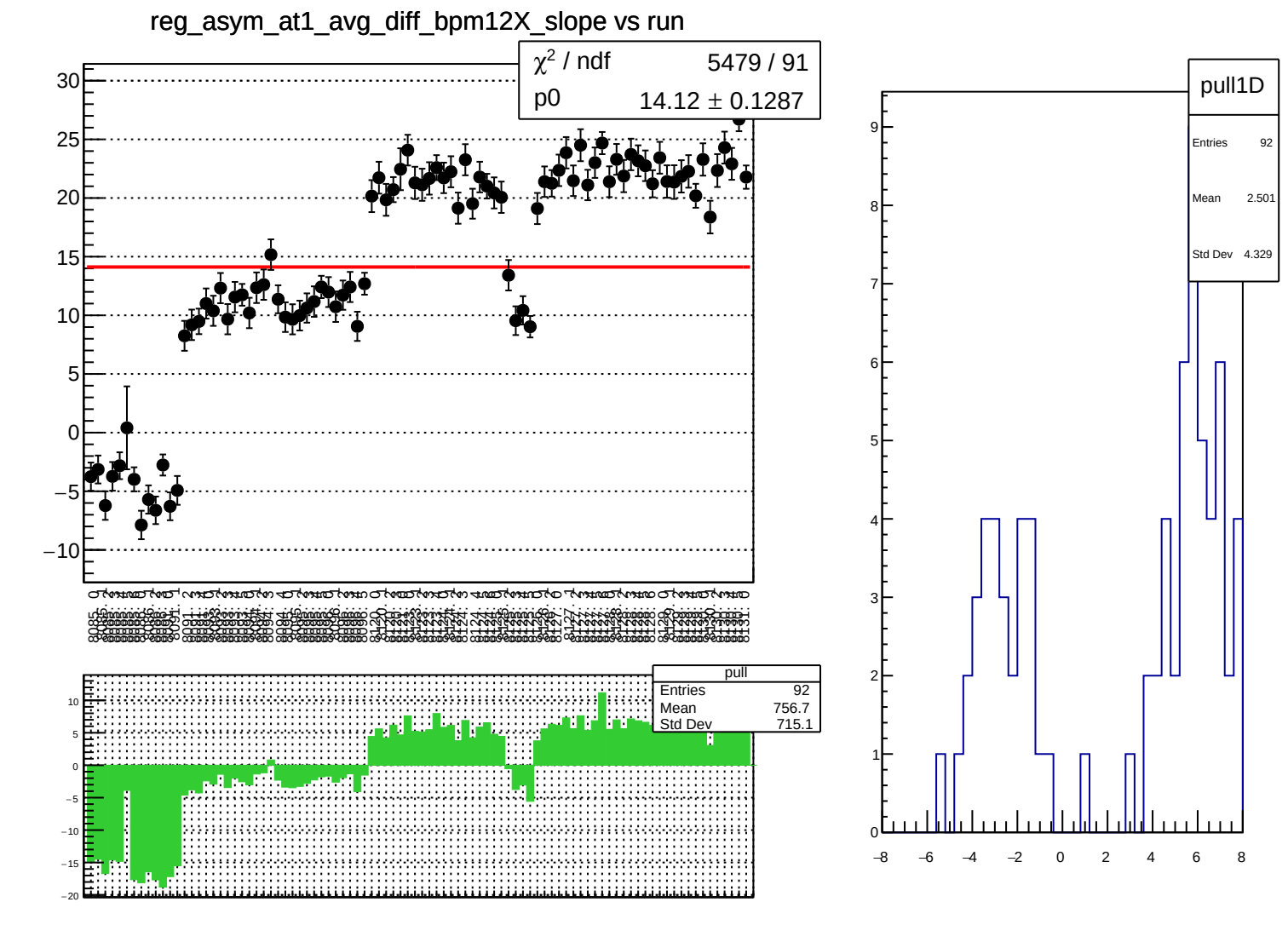

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 90.11 / 91
p0 −12.52 ± 3.148
pull
Entries 92
Mean −1.06e+04
Std Dev 1.064e+04
pull1D
Entries 92
Mean 0.0005831
Std Dev 0.9897

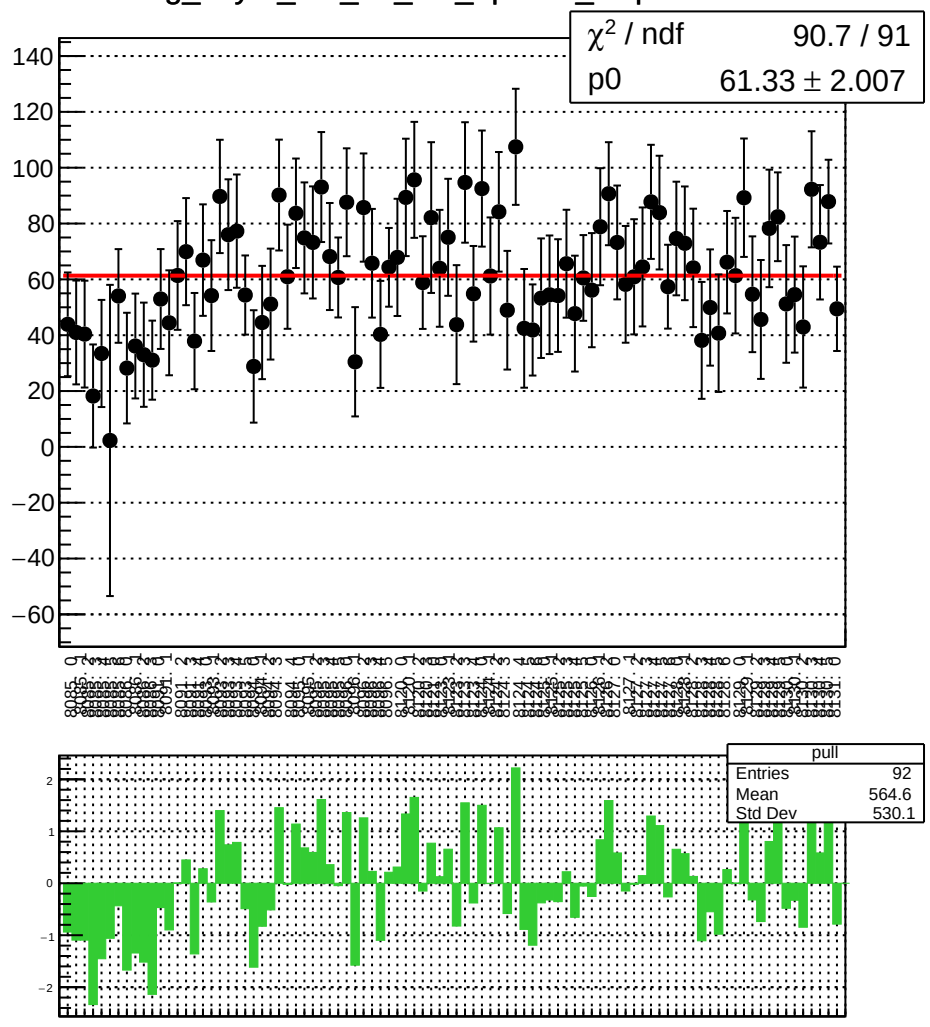

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 110.1 / 91
p0 −38.25 ± 2.033
50
0
−50
−100
−150
pull
Entries 92
Mean 308
Std Dev 263.5
3
2
1
0
−1
−2

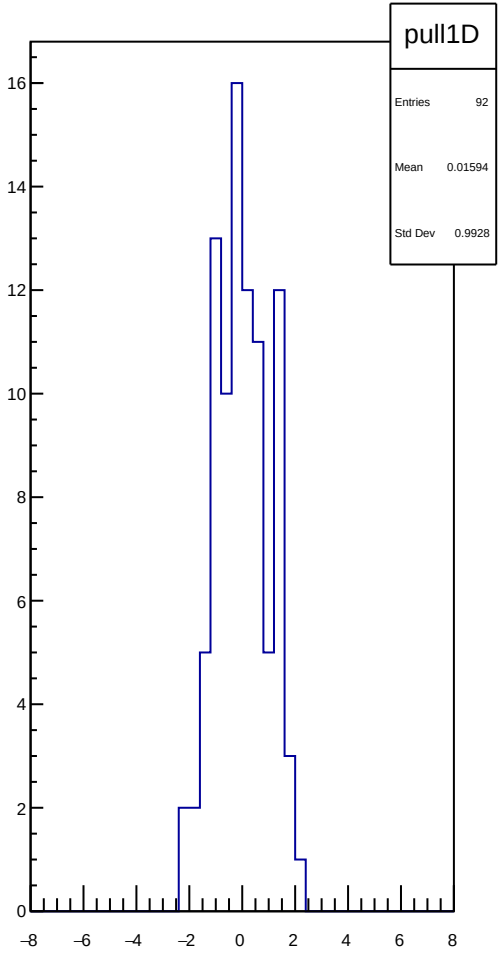

pull1D
Entries 92
Mean −0.05944
Std Dev 1.092
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

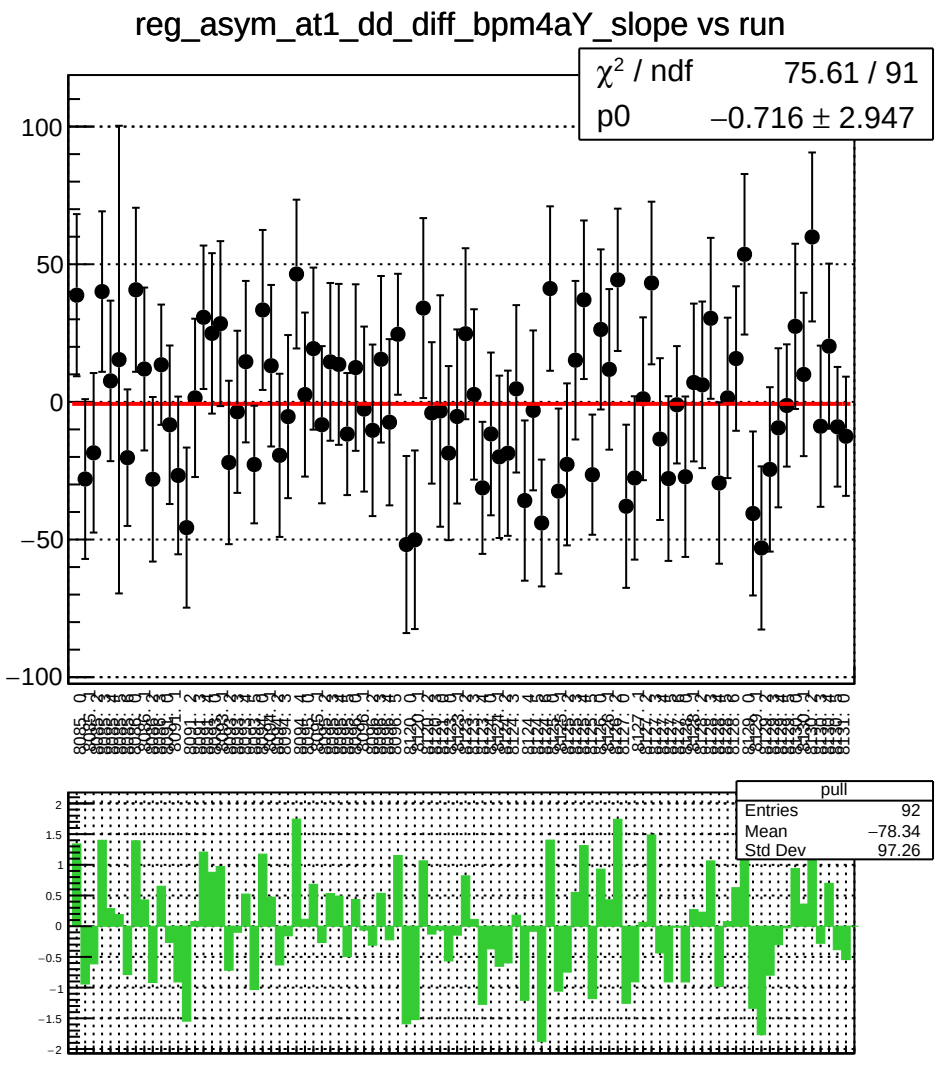

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 87.7 / 91
p0 −0.9455 ± 3.363
150
100
50
0
−50
−100
pull
Entries 92
Mean −1104
Std Dev 1142
2
1
0
−1
−2

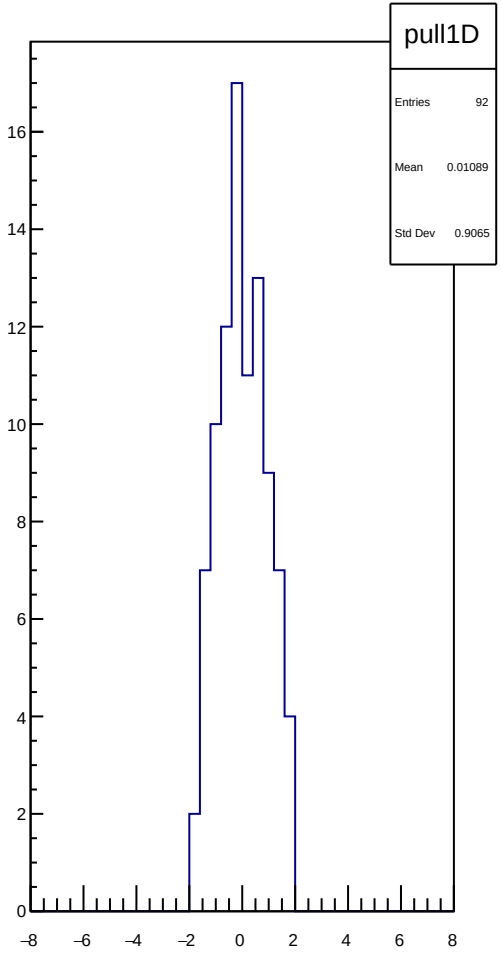

pull1D
Entries 92
Mean −0.004131
Std Dev 0.9764
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

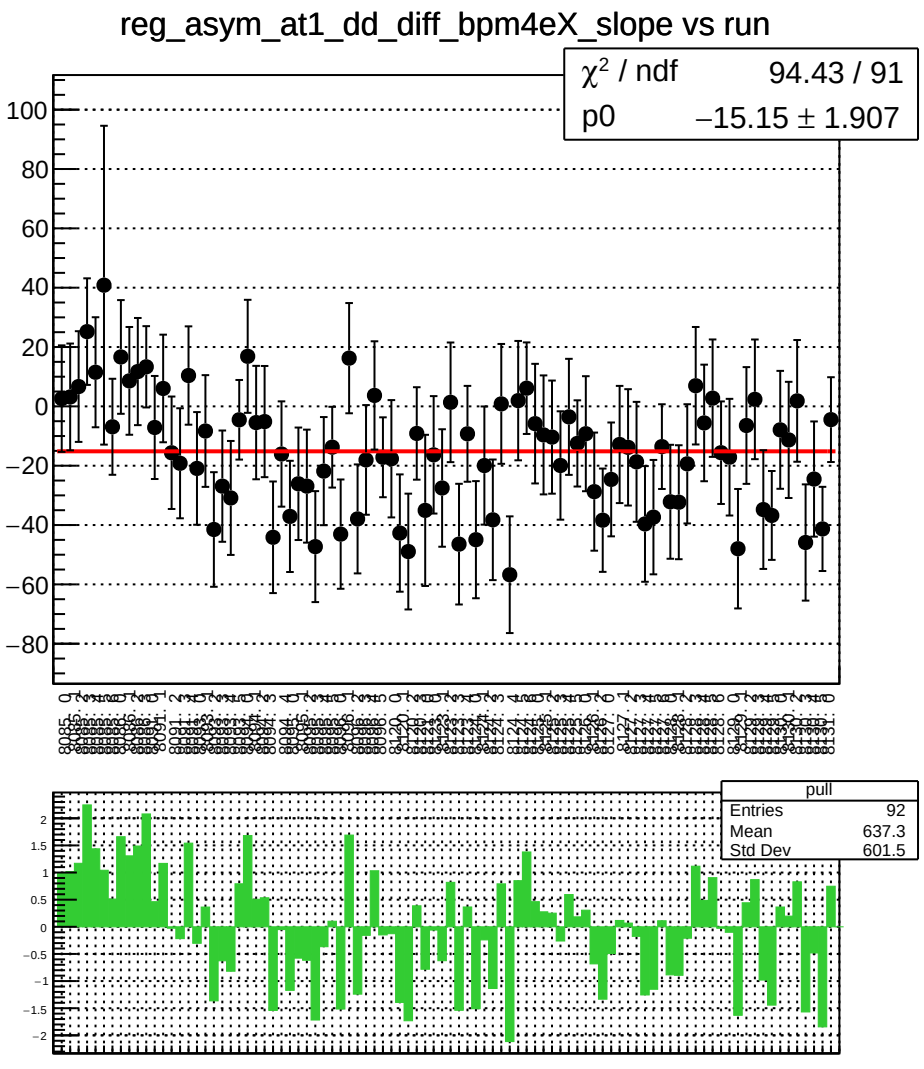

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 5479 / 91
p0 14.12 ± 0.1287
pull
Entries 92
Mean 756.7
Std Dev 715.1
pull1D
Entries 92
Mean 2.501
Std Dev 4.329

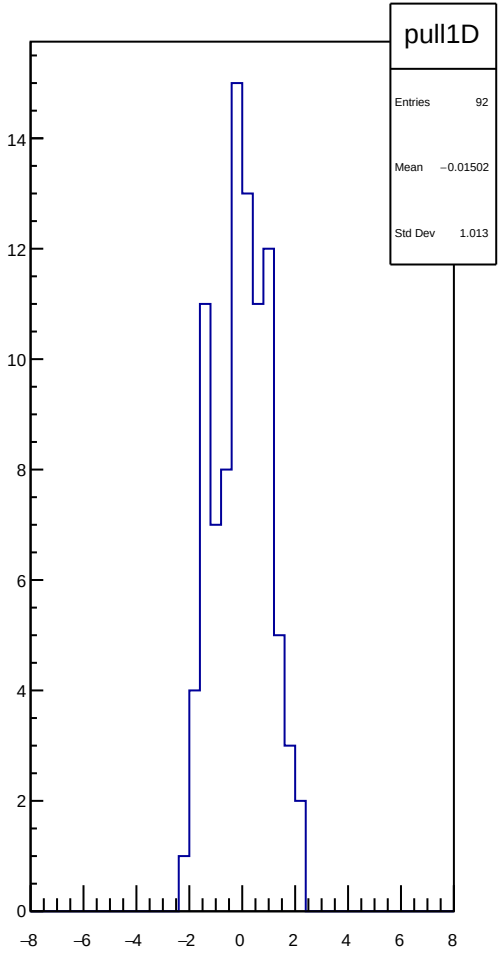

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 90.7 / 91
p0 61.33 ± 2.007
pull
Entries 92
Mean 564.6
Std Dev 530.1

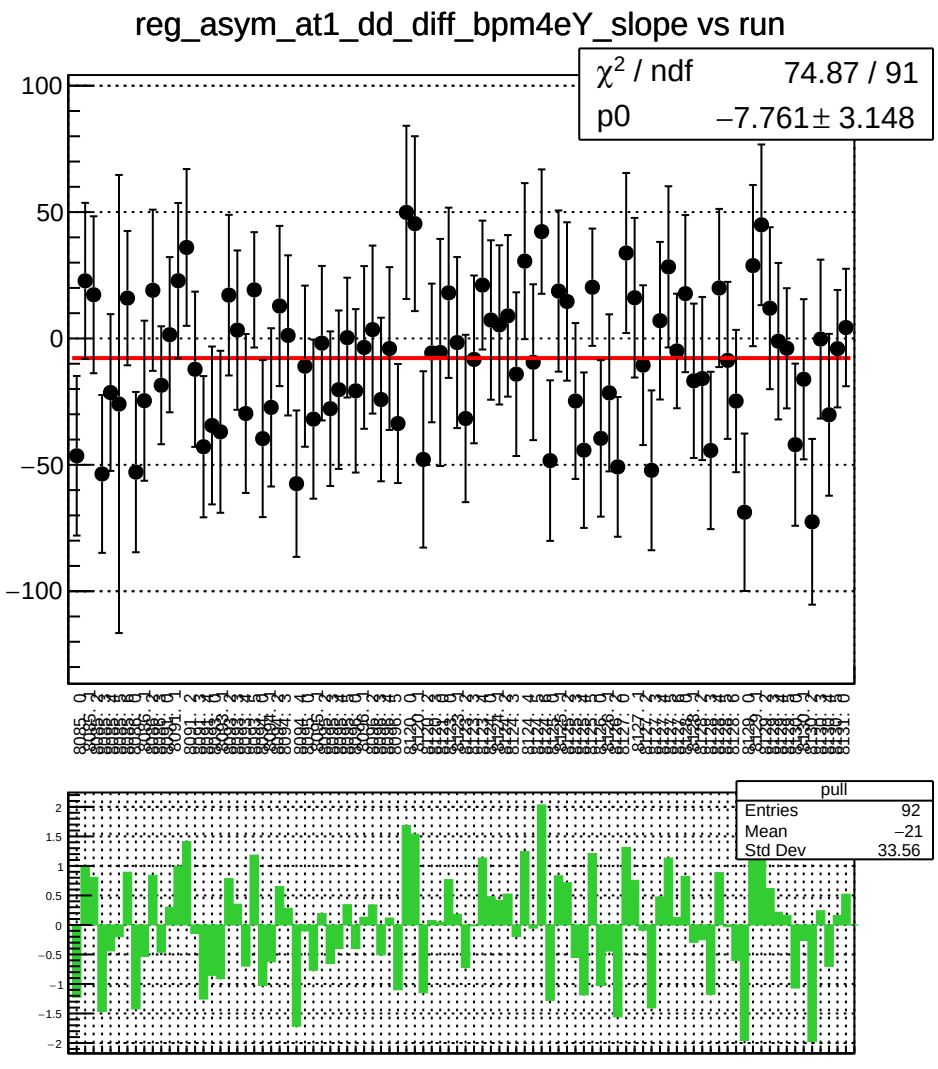

pull1D
Entries 92
Mean 0.01594
Std Dev 0.9928

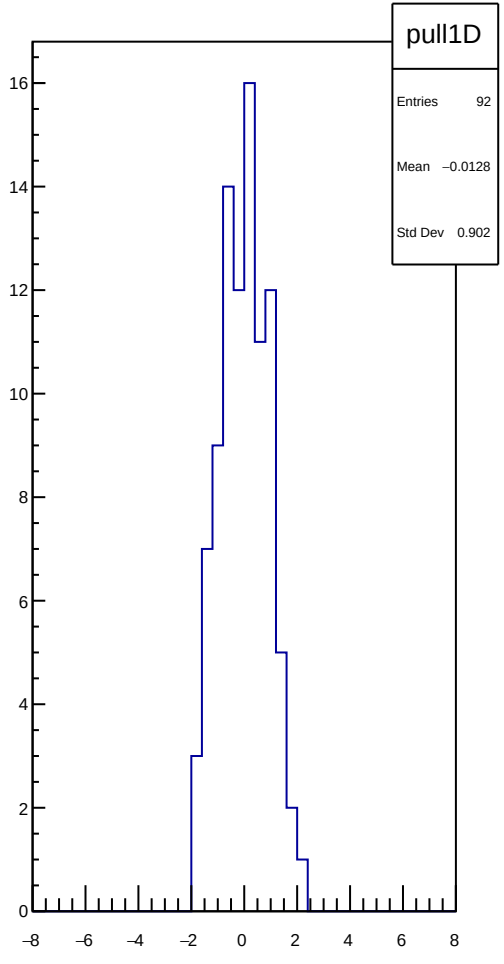

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.61 / 91
p0 −0.716 ± 2.947
pull
Entries 92
Mean −78.34
Std Dev 97.26

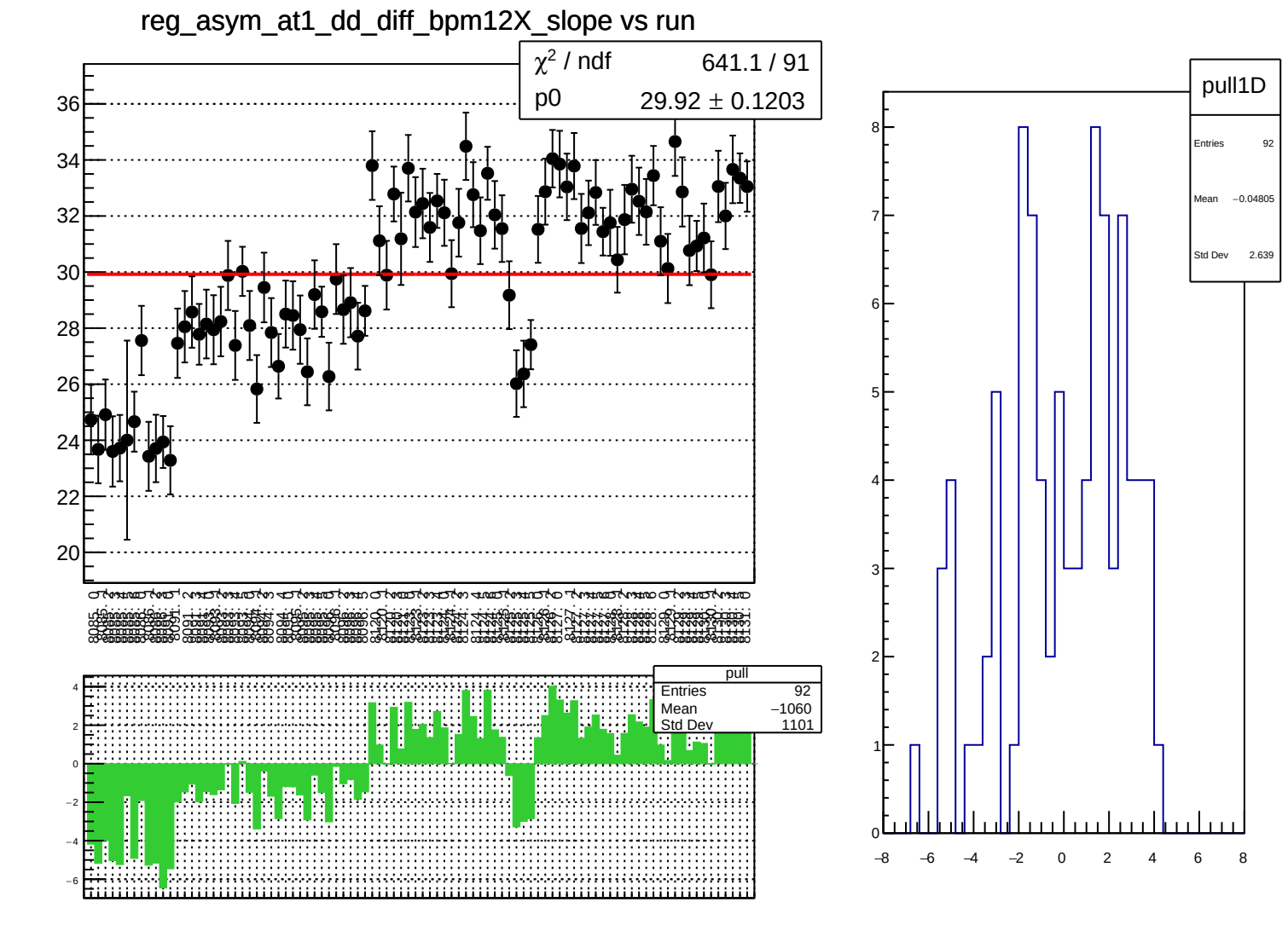

pull1D
Entries 92
Mean 0.01089
Std Dev 0.9065

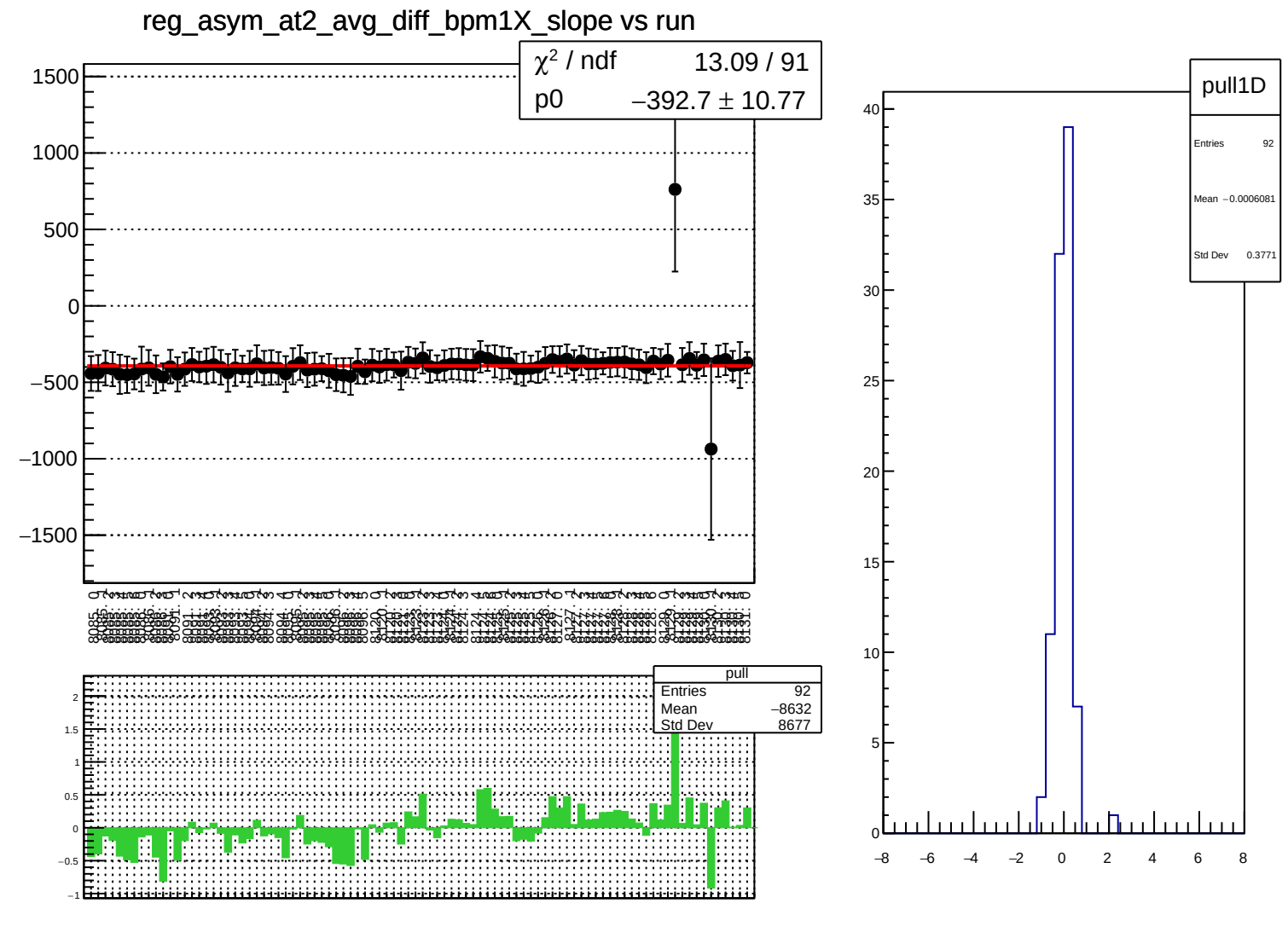

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 94.43 / 91
p0 −15.15 ± 1.907
pull
Entries 92
Mean 637.3
Std Dev 601.5

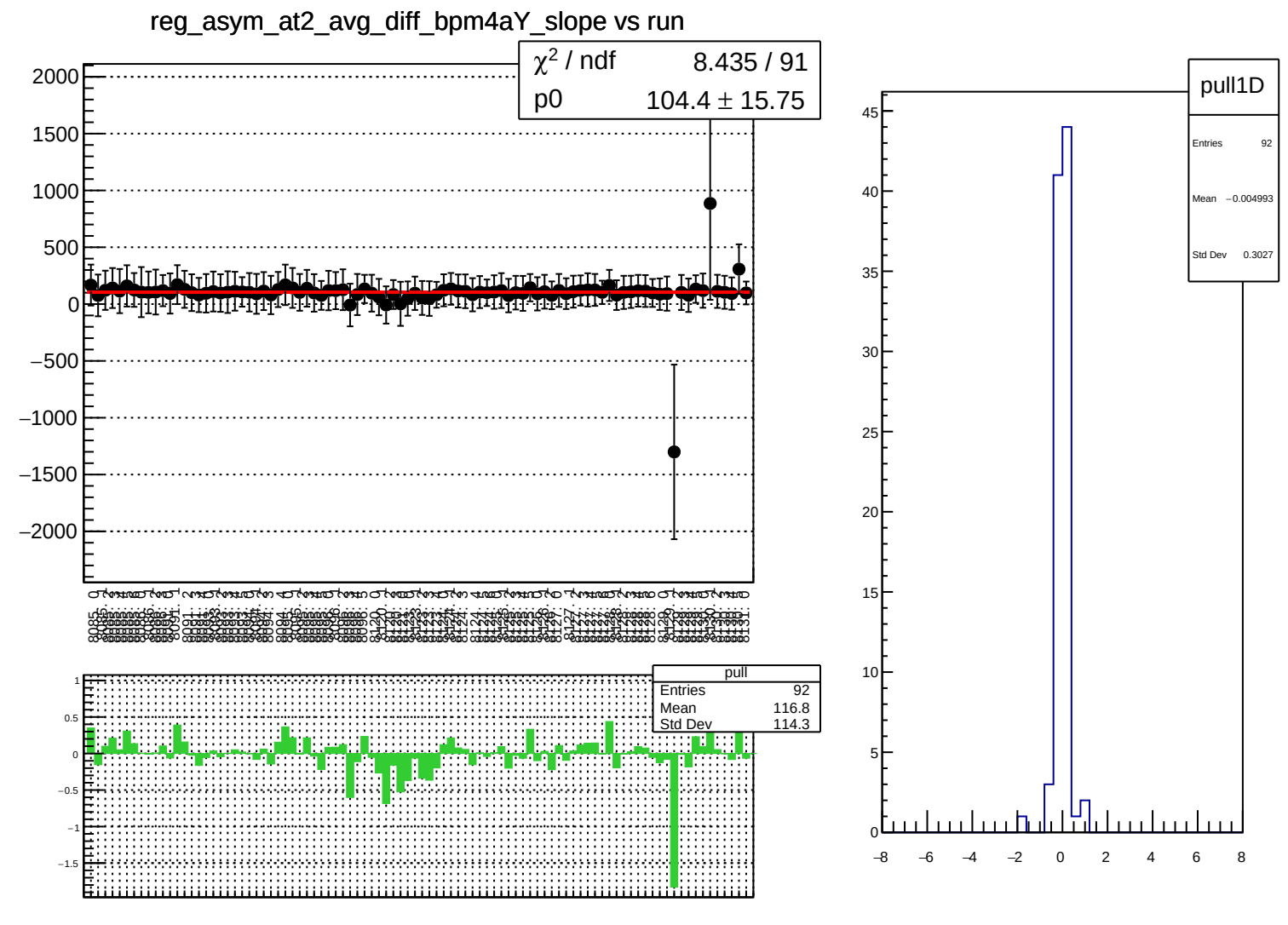

pull1D
Entries 92
Mean −0.01502
Std Dev 1.013

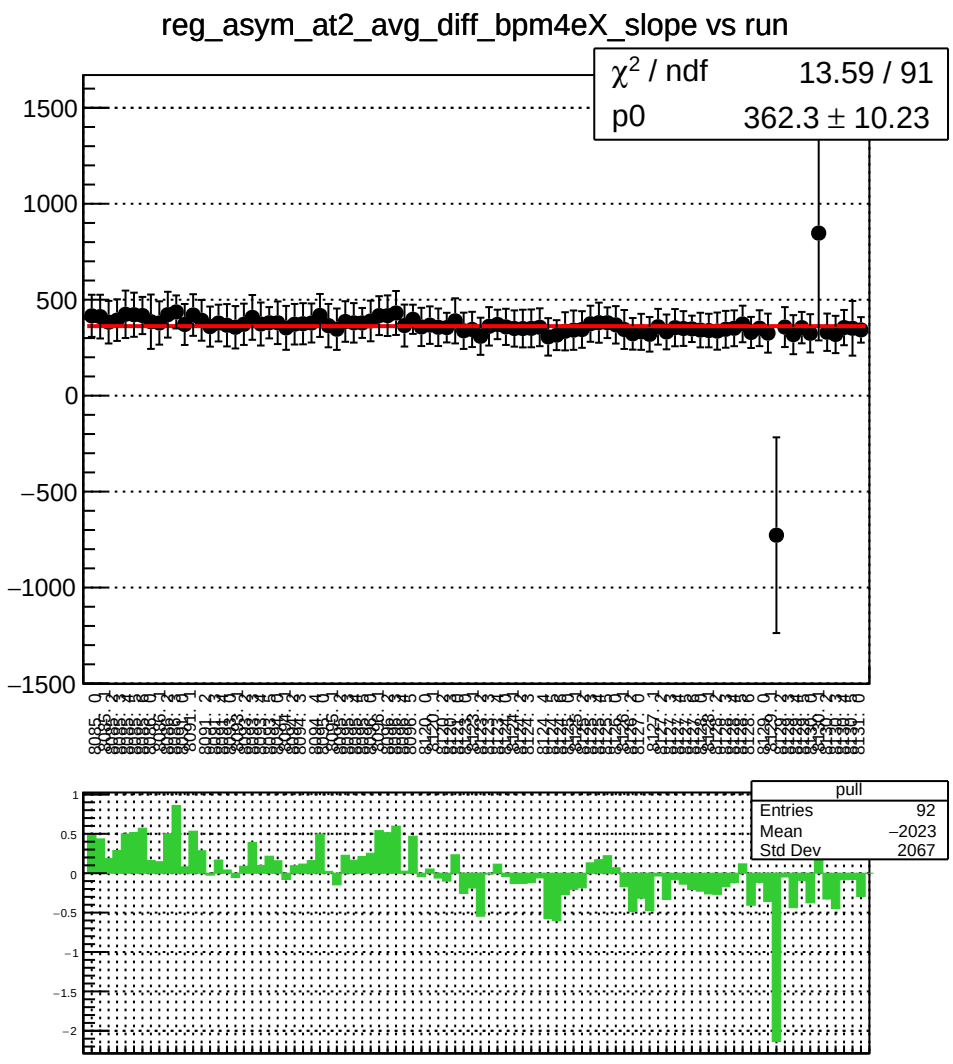

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.87 / 91
p0 −7.761 ± 3.148
100
50
0
−50
−100
pull
Entries 92
Mean −21
Std Dev 33.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

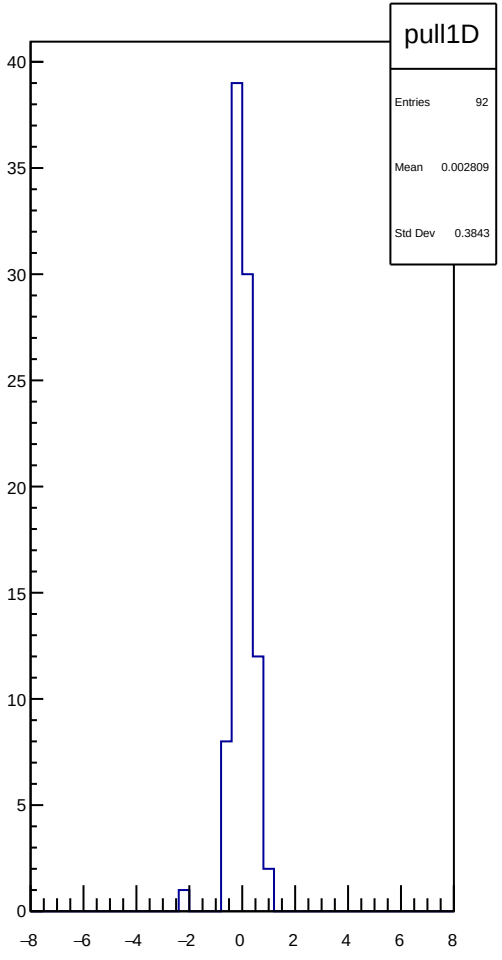

pull1D
Entries 92
Mean −0.0128
Std Dev 0.902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

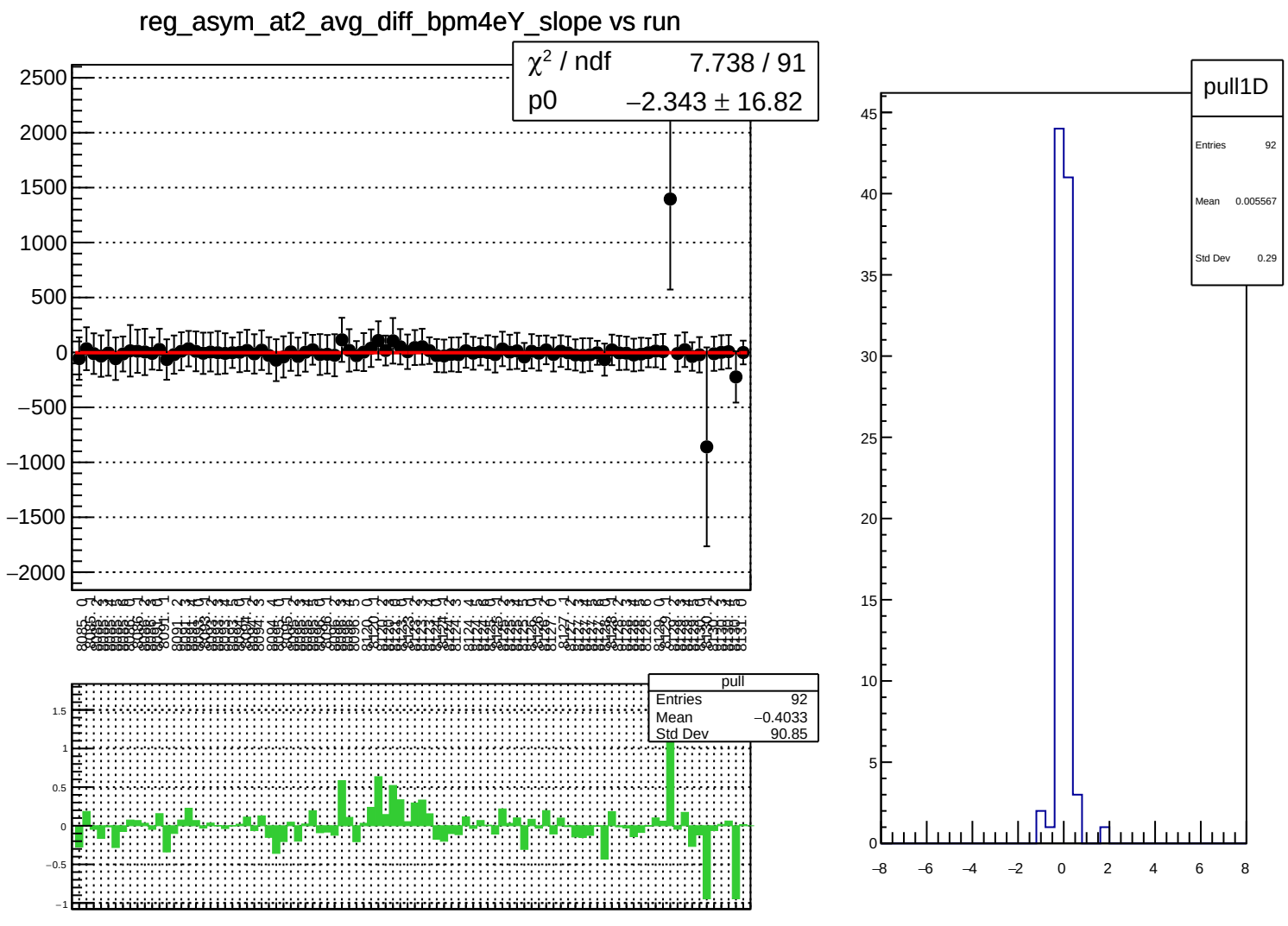

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 641.1 / 91
p0 29.92 ± 0.1203
pull
Entries 92
Mean −1060
Std Dev 1101
pull1D
Entries 92
Mean −0.04805
Std Dev 2.639

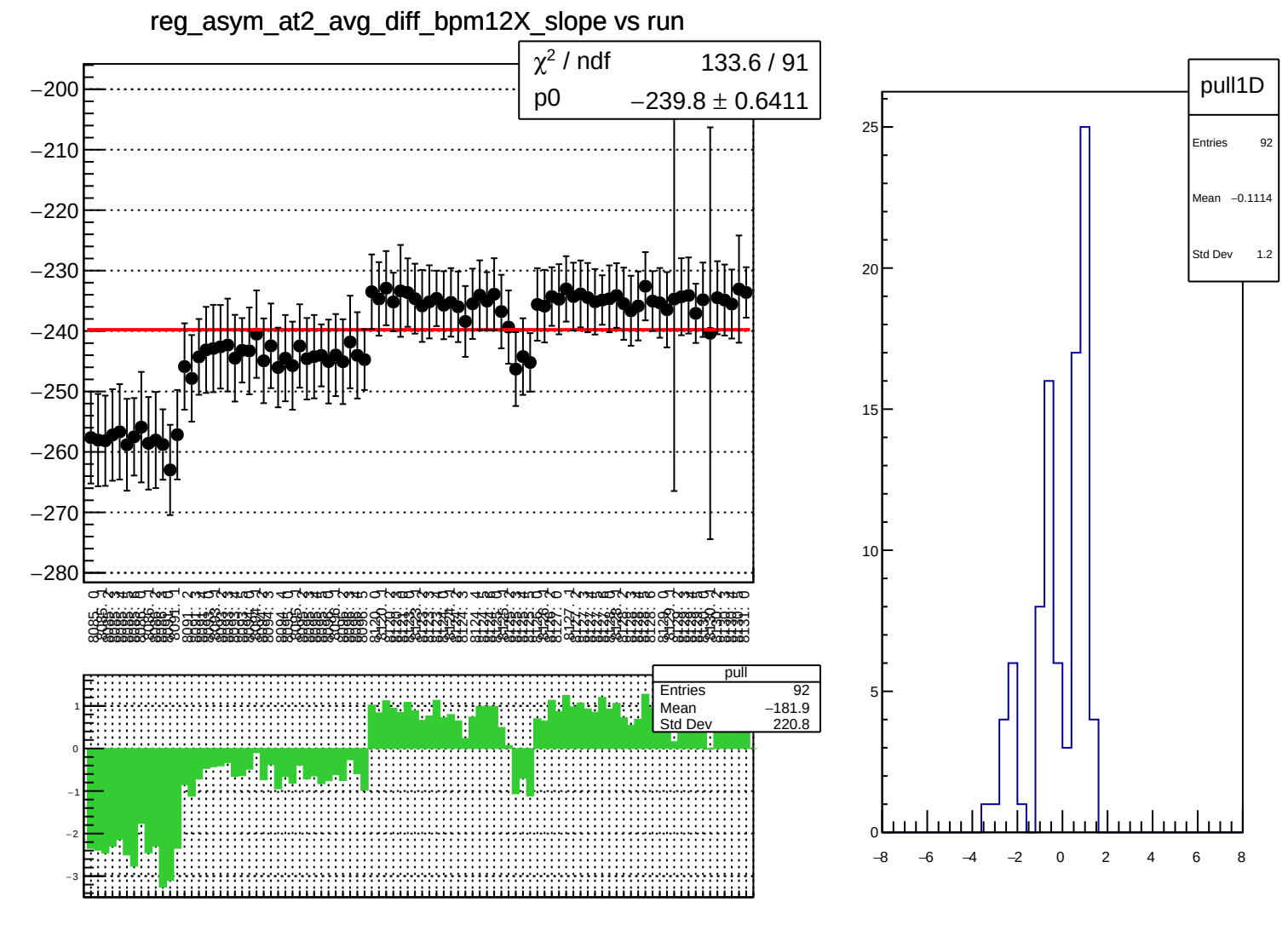

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 13.09 / 91
p0 −392.7 ± 10.77
pull
Entries 92
Mean −8632
Std Dev 8677
pull1D
Entries 92
Mean −0.0006081
Std Dev 0.3771

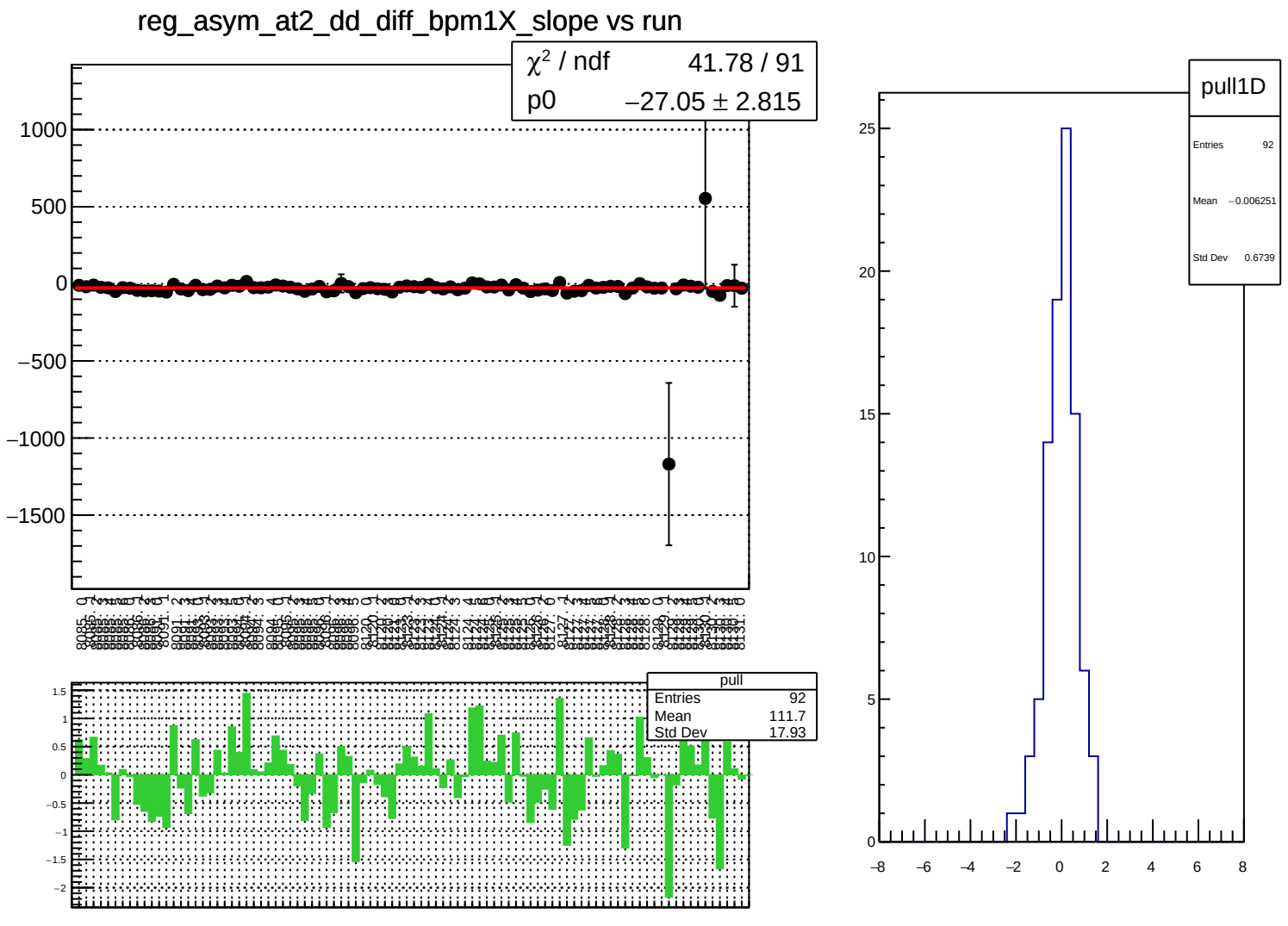

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.435 / 91
p0 104.4 ± 15.75
pull
Entries 92
Mean 116.8
Std Dev 114.3
pull1D
Entries 92
Mean −0.004993
Std Dev 0.3027

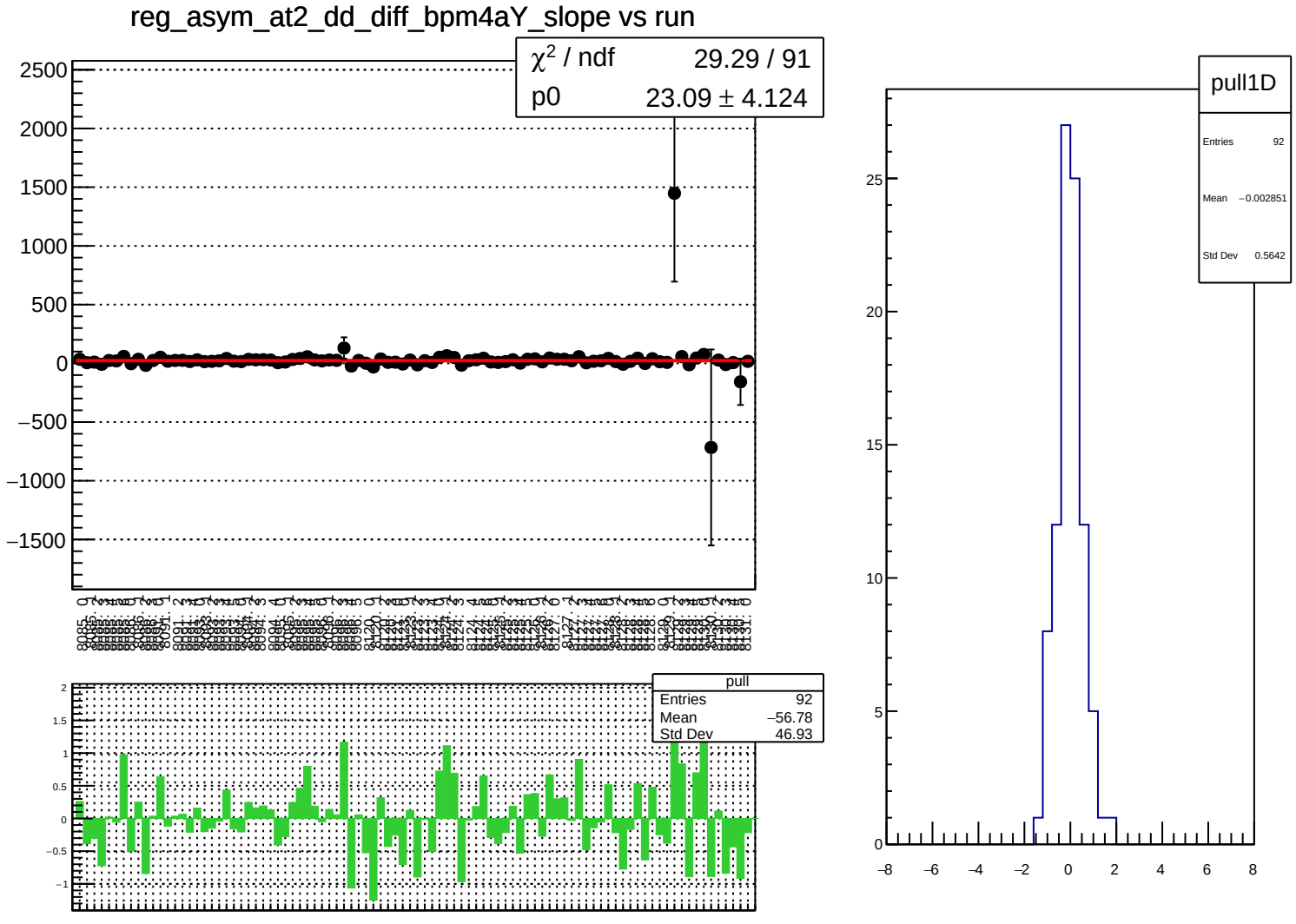

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.59 / 91
p0 362.3 ± 10.23
pull
Entries 92
Mean −2023
Std Dev 2067

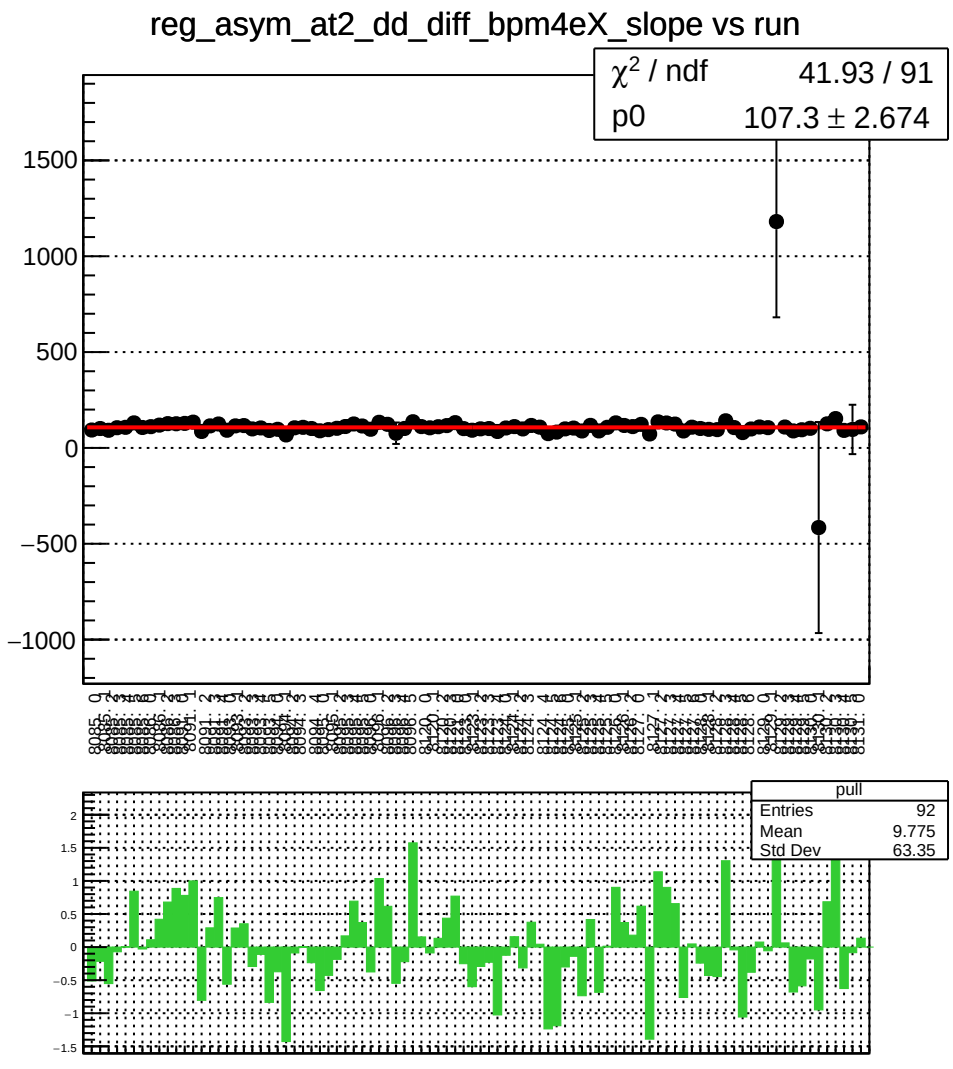

pull1D
Entries 92
Mean 0.002809
Std Dev 0.3843

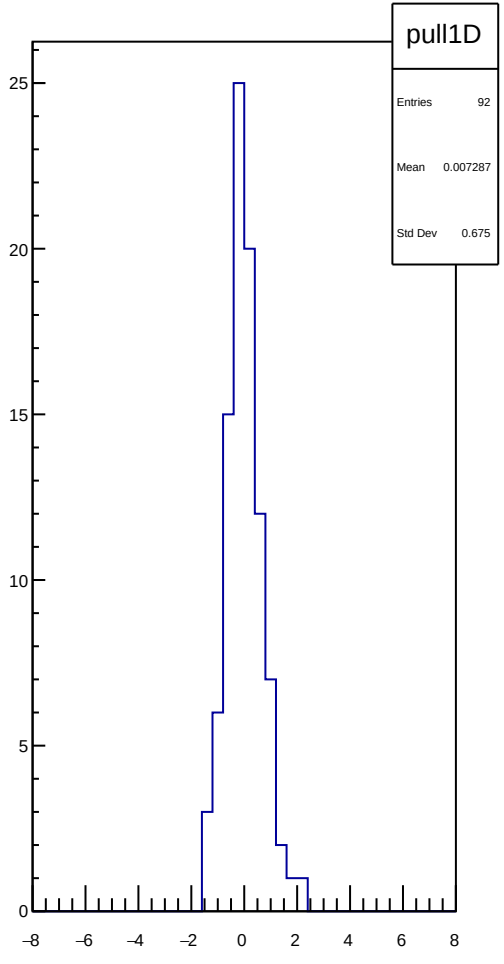

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.738 / 91
p0 −2.343 ± 16.82
pull
Entries 92
Mean −0.4033
Std Dev 90.85
pull1D
Entries 92
Mean 0.005567
Std Dev 0.29

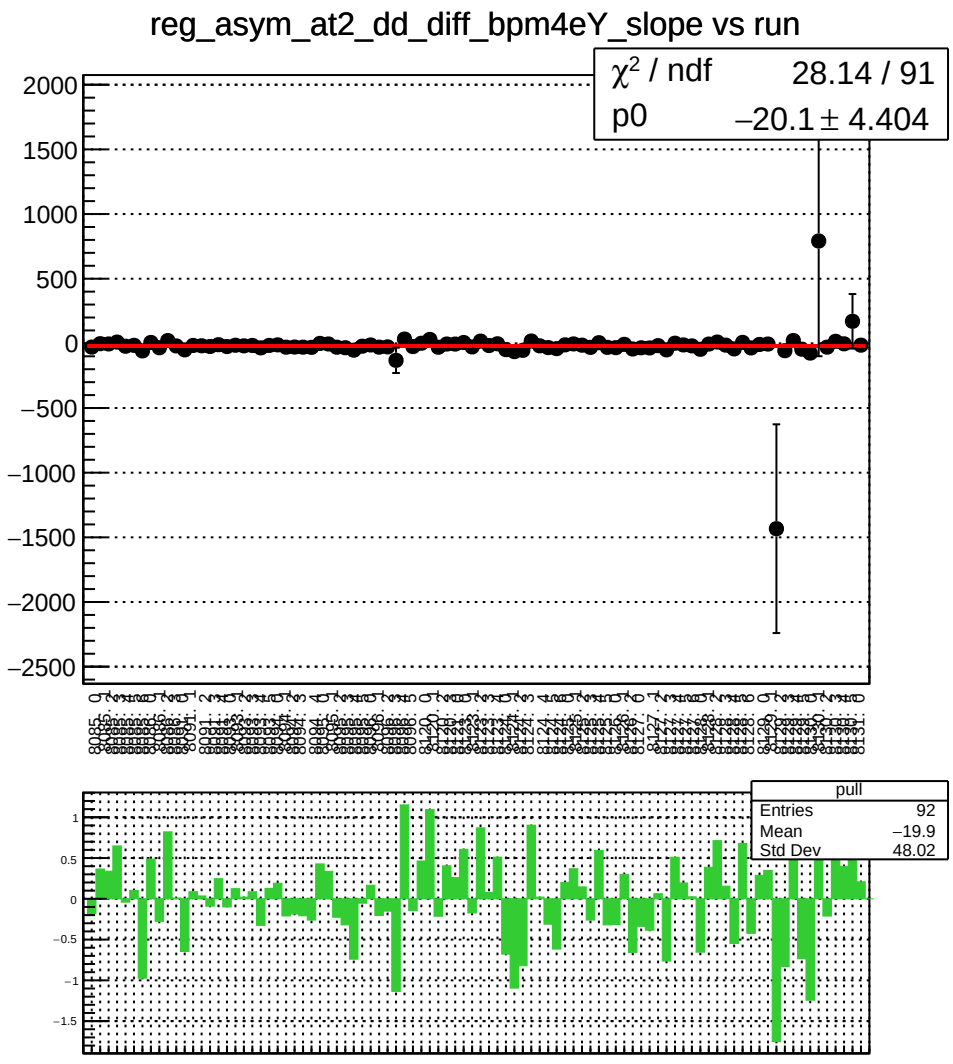

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 133.6 / 91
p0 −239.8 ± 0.6411
pull
Entries 92
Mean −181.9
Std Dev 220.8
pull1D
Entries 92
Mean −0.1114
Std Dev 1.2

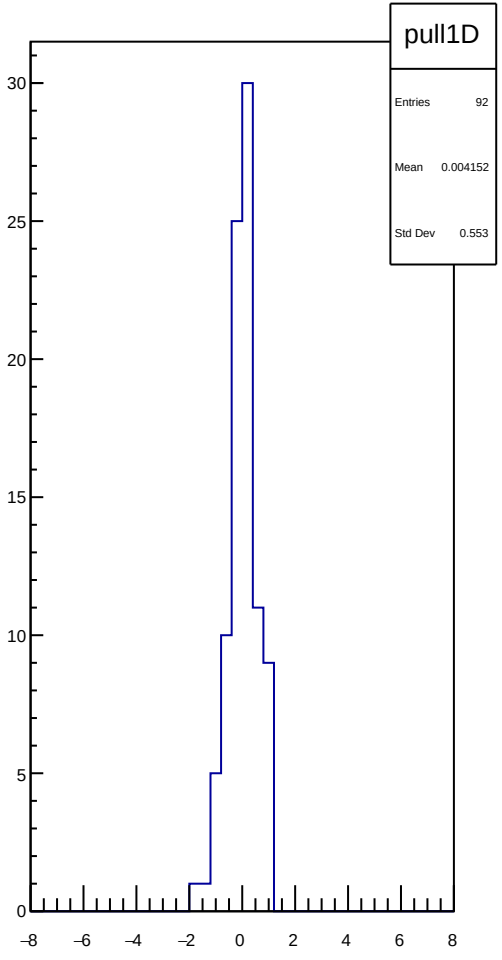

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 41.78 / 91
p0 −27.05 ± 2.815
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean 111.7
Std Dev 17.93
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.006251
Std Dev 0.6739
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

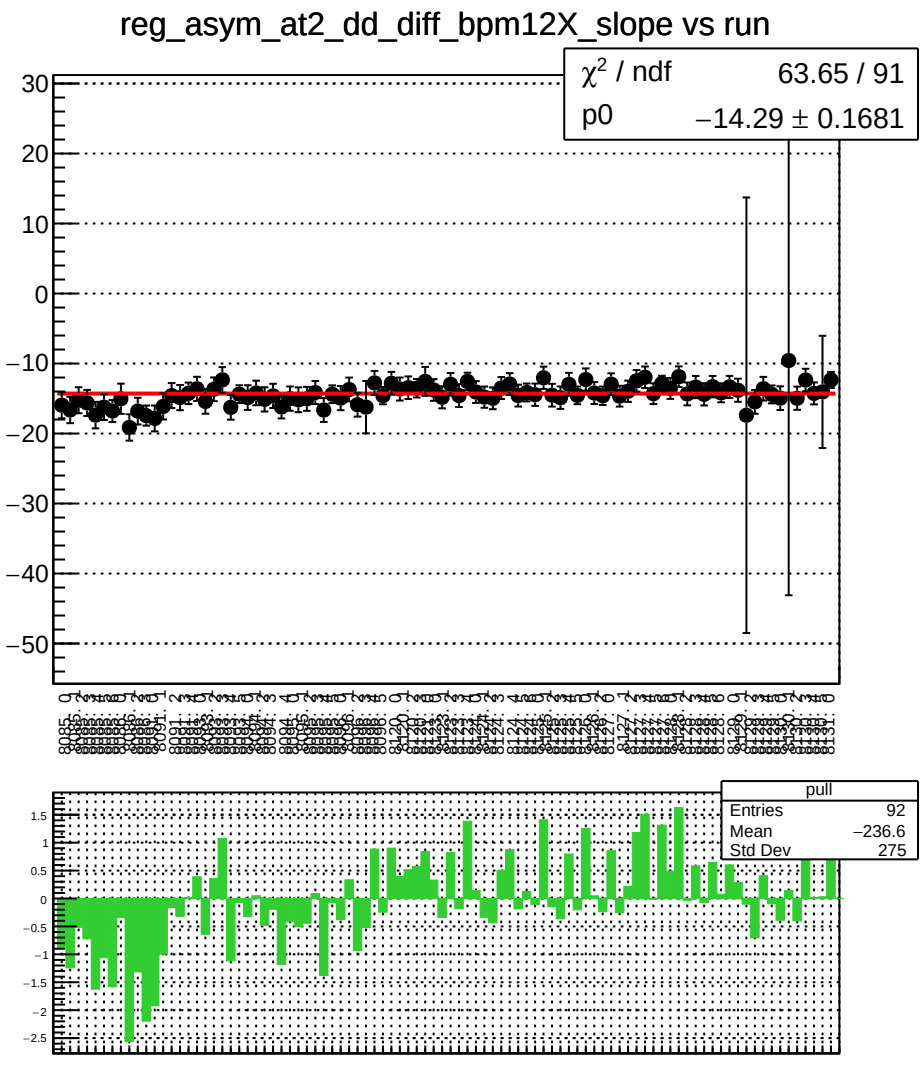

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.29 / 91
p0 23.09 ± 4.124
pull
Entries 92
Mean −56.78
Std Dev 46.93
pull1D
Entries 92
Mean −0.002851
Std Dev 0.5642

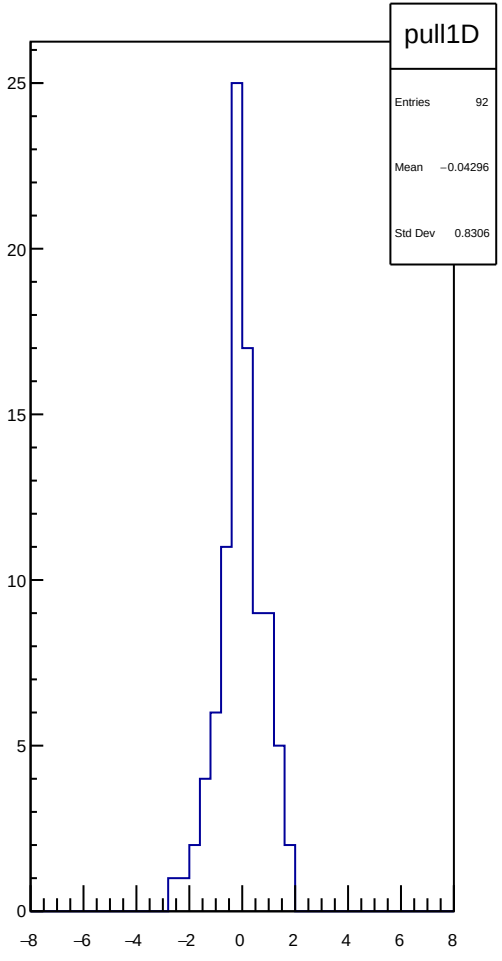

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.93 / 91
p0 107.3 ± 2.674
1500
1000
500
0
−500
−1000
pull
Entries 92
Mean 9.775
Std Dev 63.35
2
1.5
1
0.5
0
−0.5
−1
−1.5

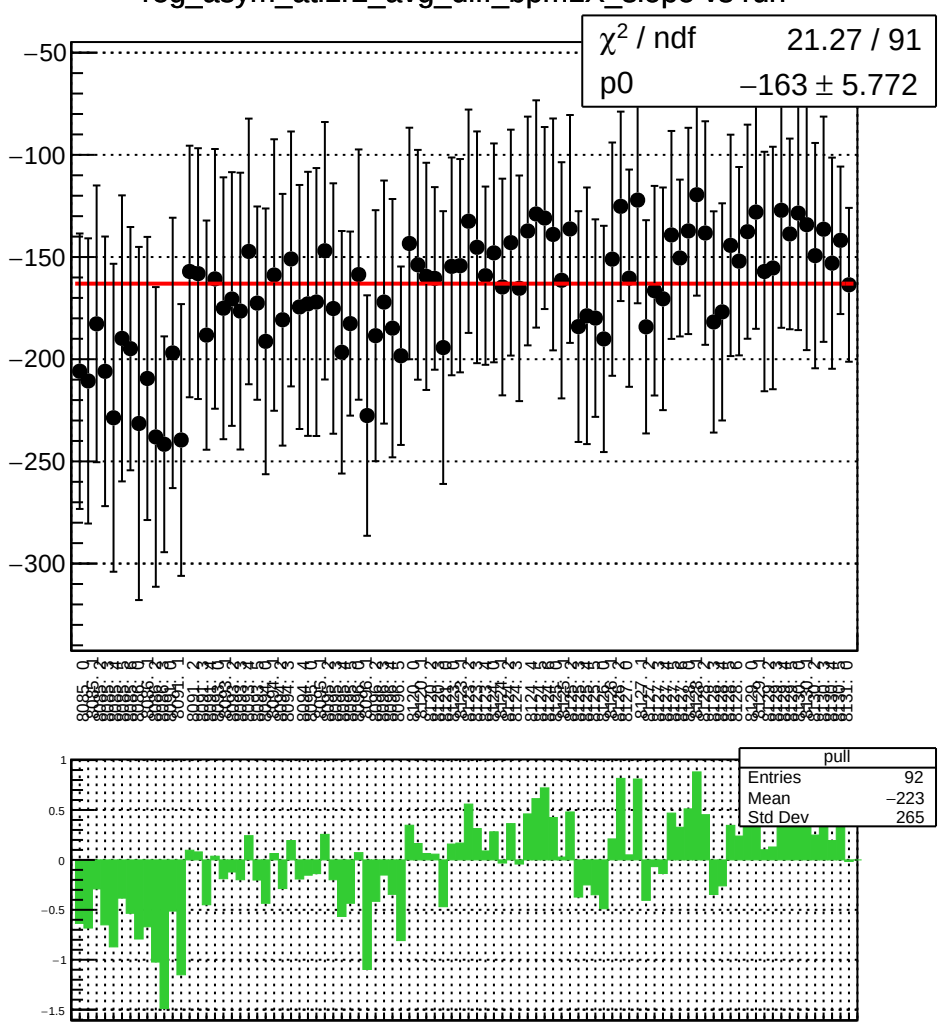

pull1D
Entries 92
Mean 0.007287
Std Dev 0.675
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

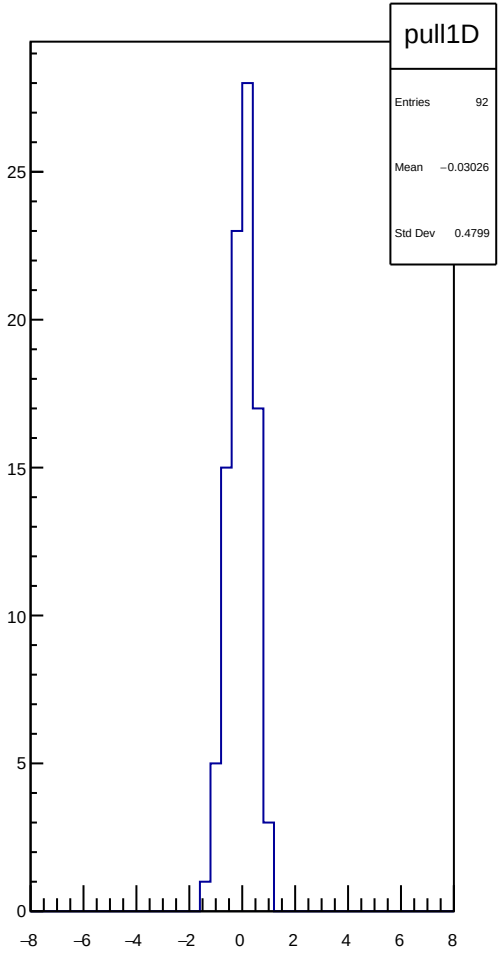

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.14 / 91
p0 −20.1 ± 4.404
pull
Entries 92
Mean −19.9
Std Dev 48.02

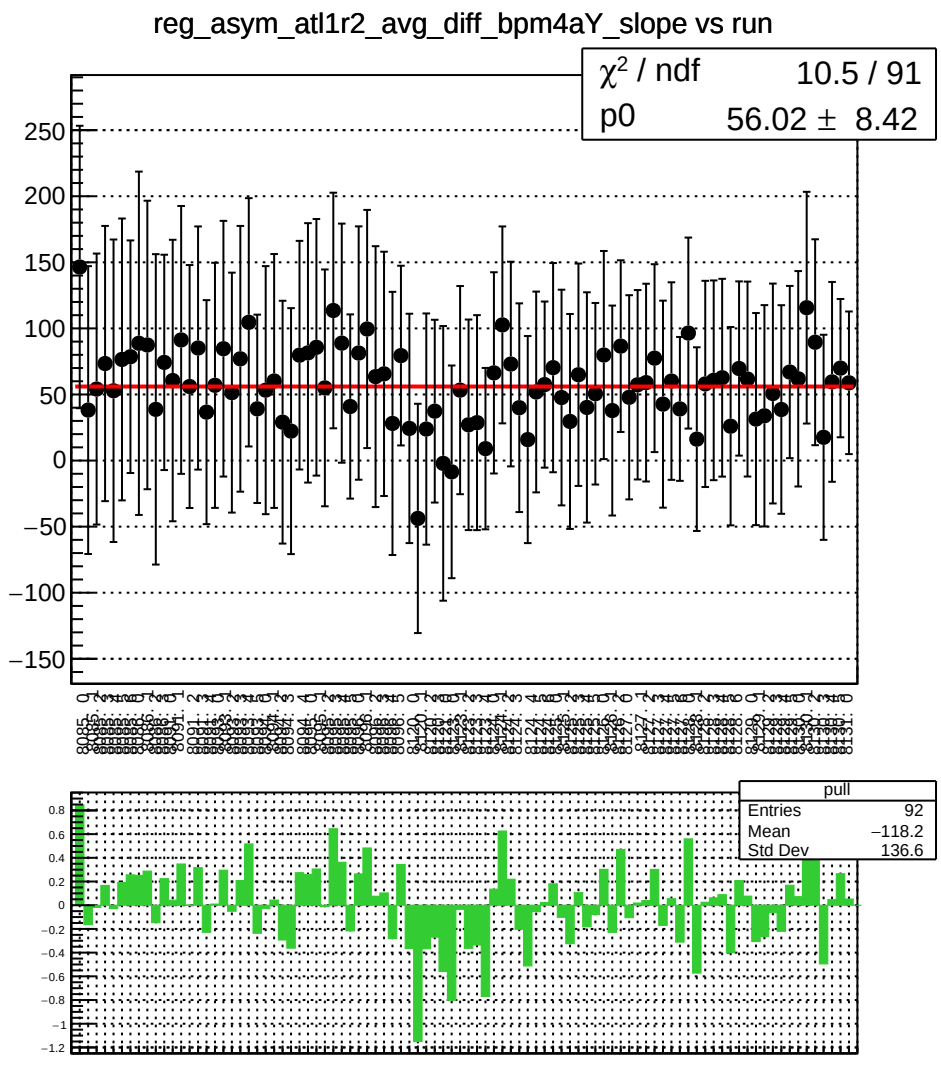

pull1D
Entries 92
Mean 0.004152
Std Dev 0.553

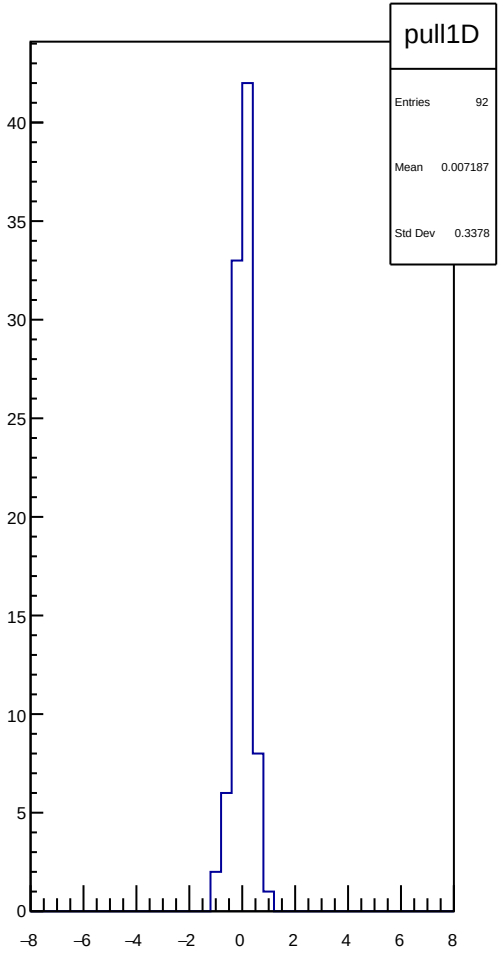

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 63.65 / 91
p0 −14.29 ± 0.1681
pull
Entries 92
Mean −236.6
Std Dev 275

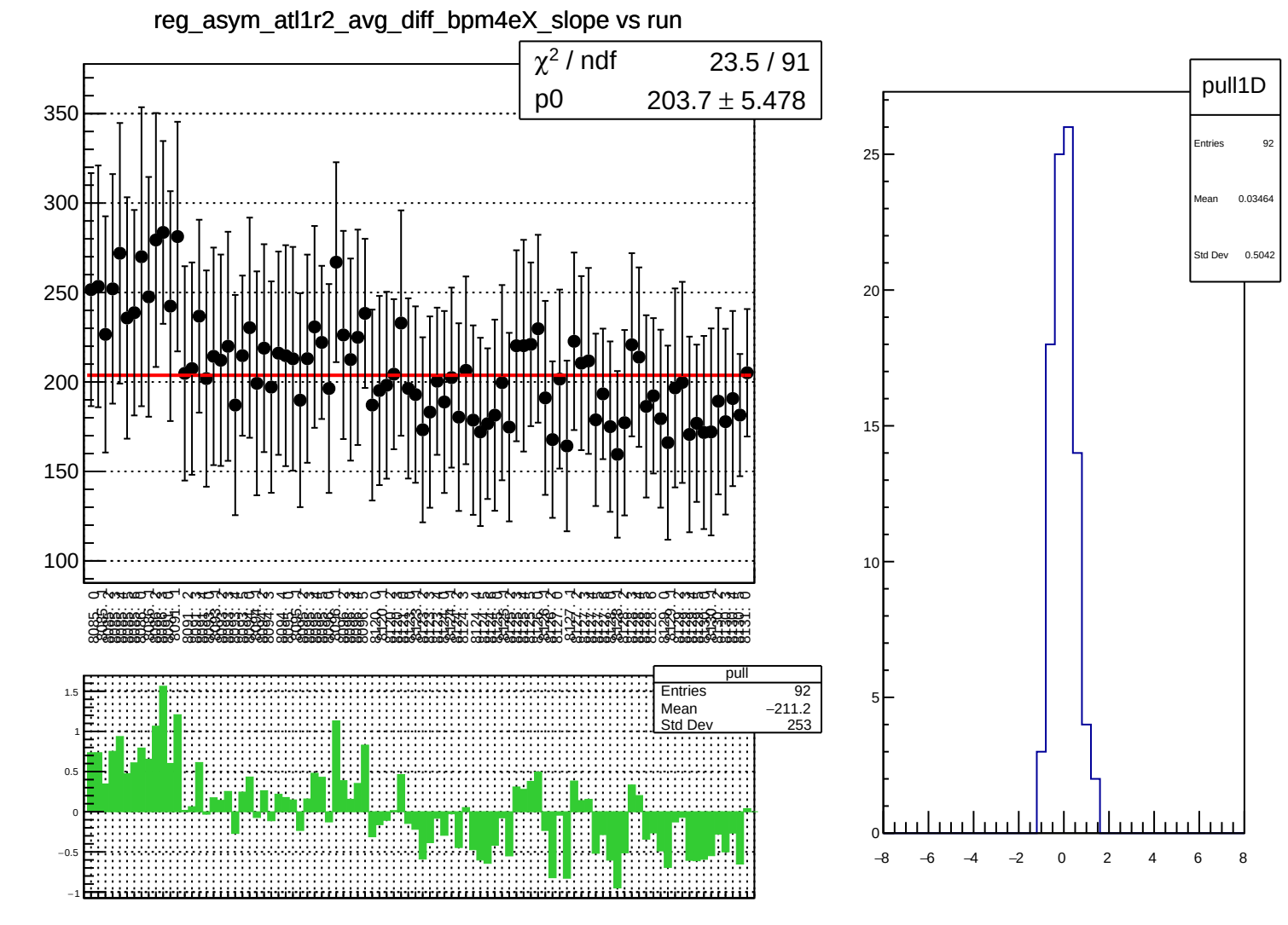

pull1D
Entries 92
Mean −0.04296
Std Dev 0.8306

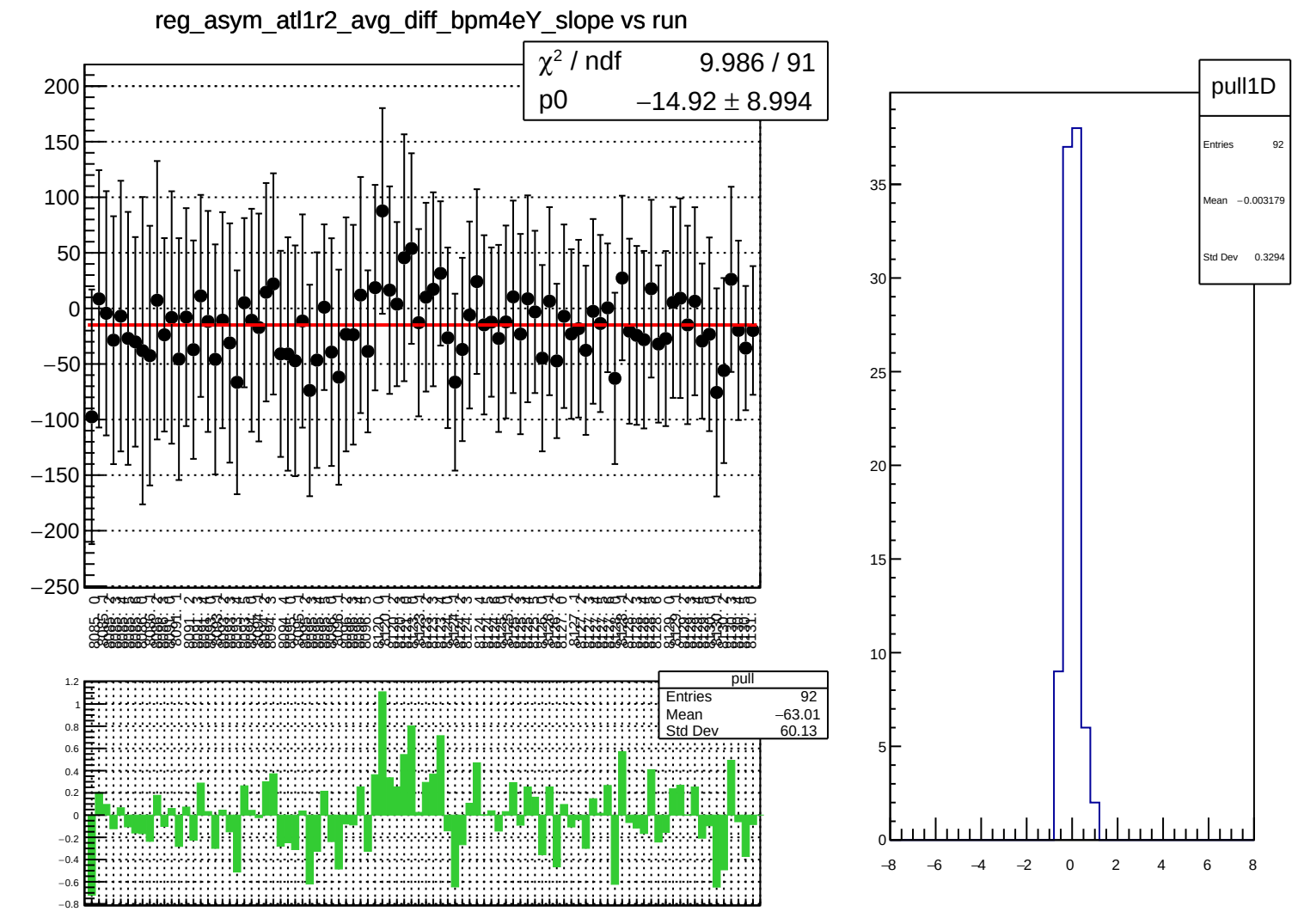

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 21.27 / 91
p0 −163 ± 5.772
pull
Entries 92
Mean −223
Std Dev 265

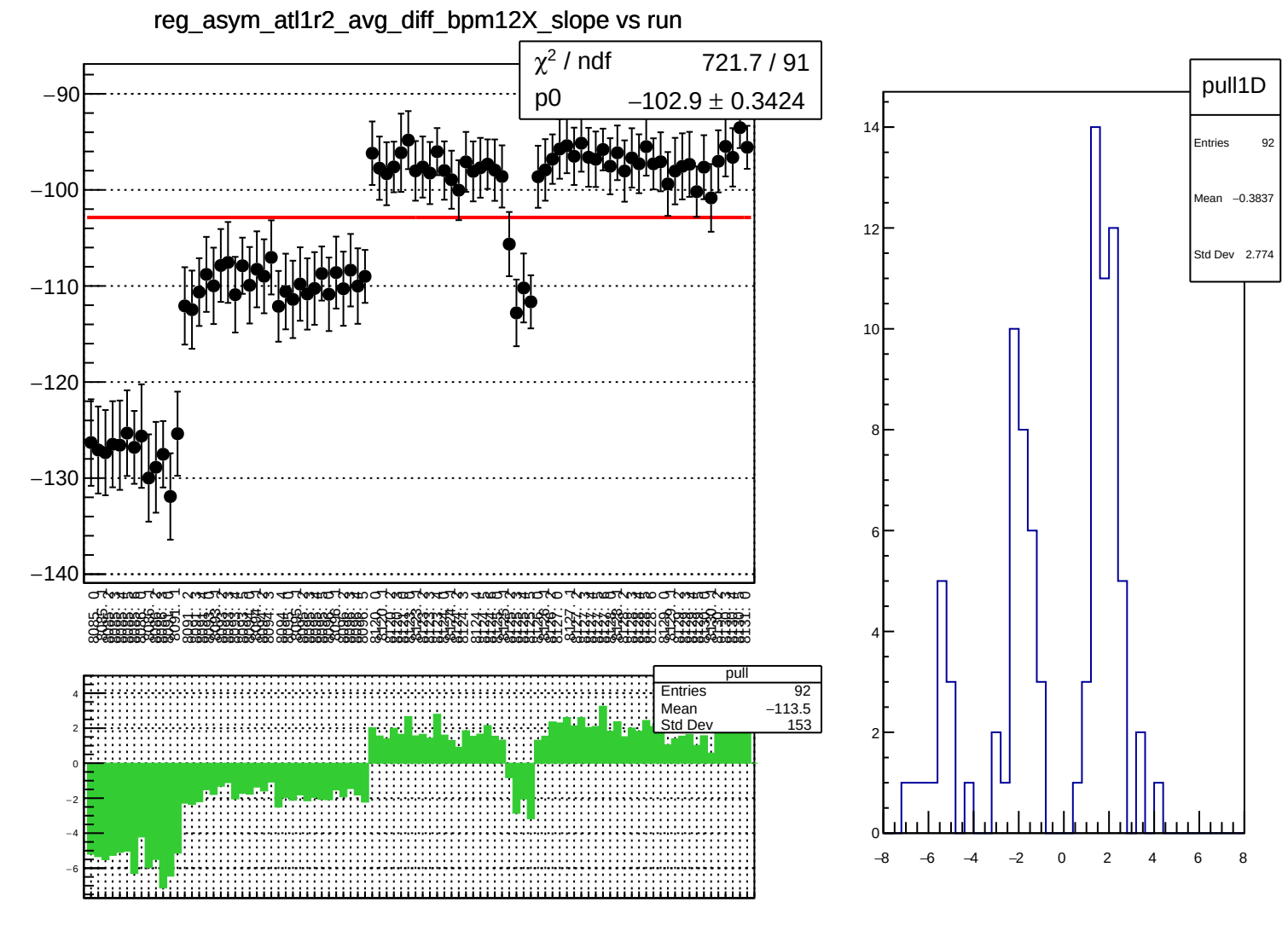

pull1D
Entries 92
Mean −0.03026
Std Dev 0.4799

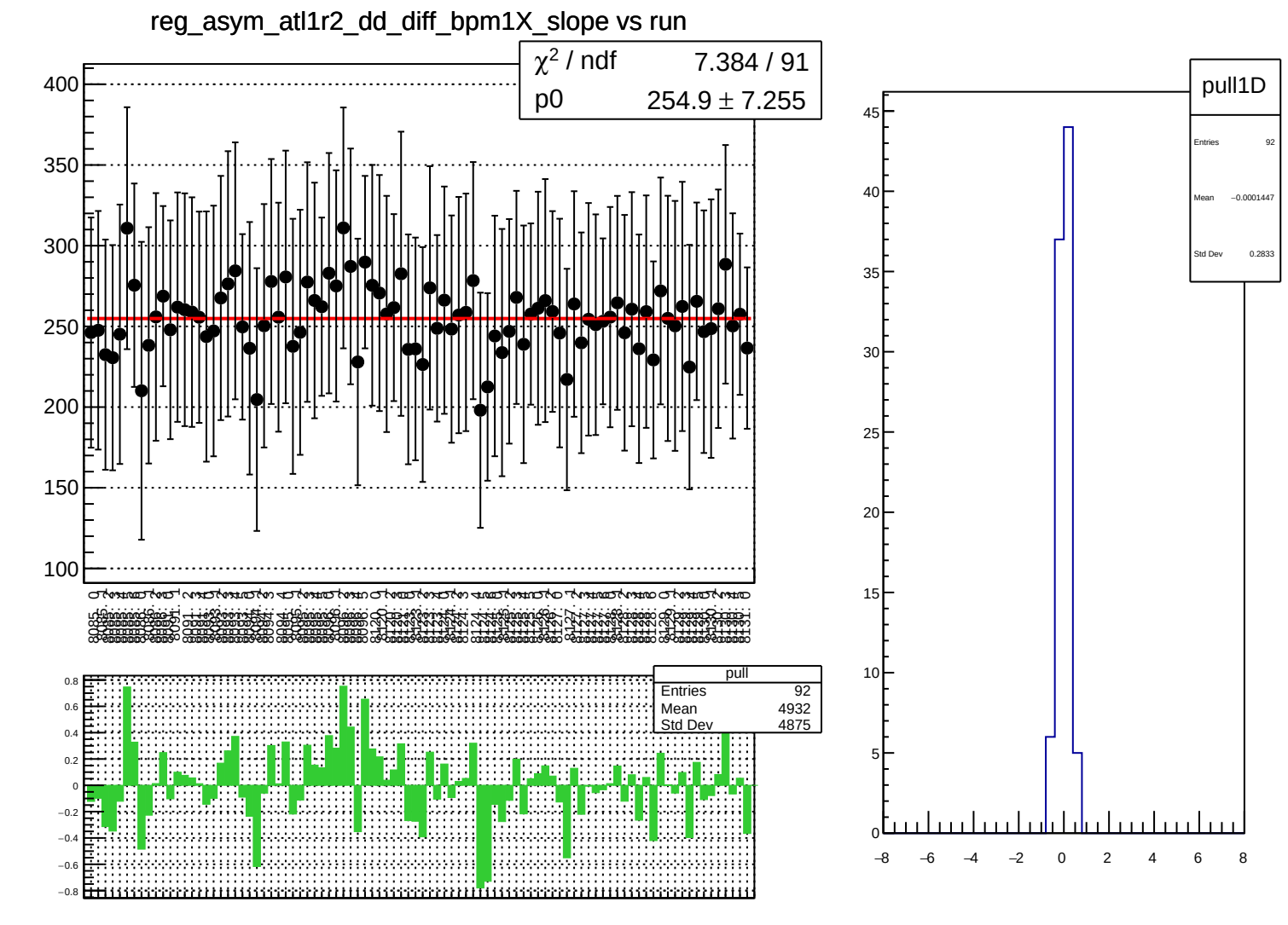

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.5 / 91
p0 56.02 ± 8.42
pull
Entries 92
Mean −118.2
Std Dev 136.6

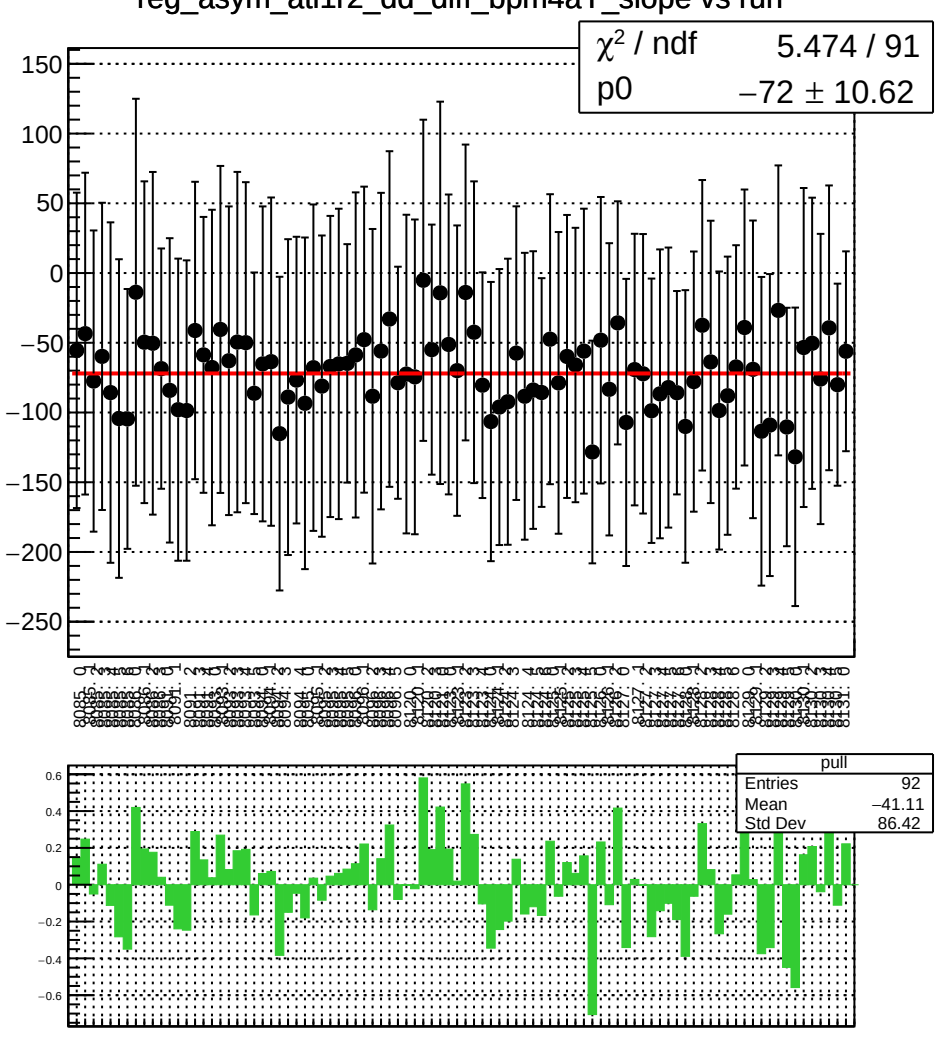

pull1D
Entries 92
Mean 0.007187
Std Dev 0.3378

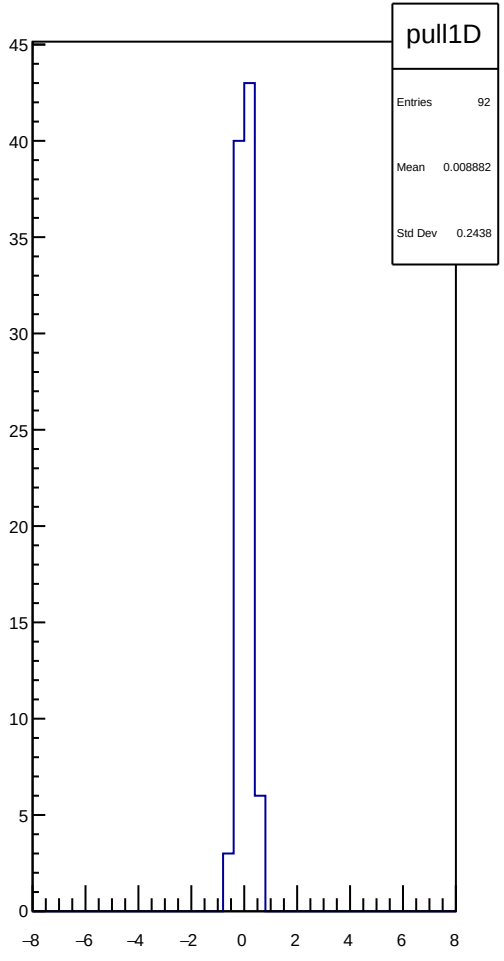

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.5 / 91
p0 203.7 ± 5.478
350
300
250
200
150
100
pull
Entries 92
Mean −211.2
Std Dev 253
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean 0.03464
Std Dev 0.5042
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

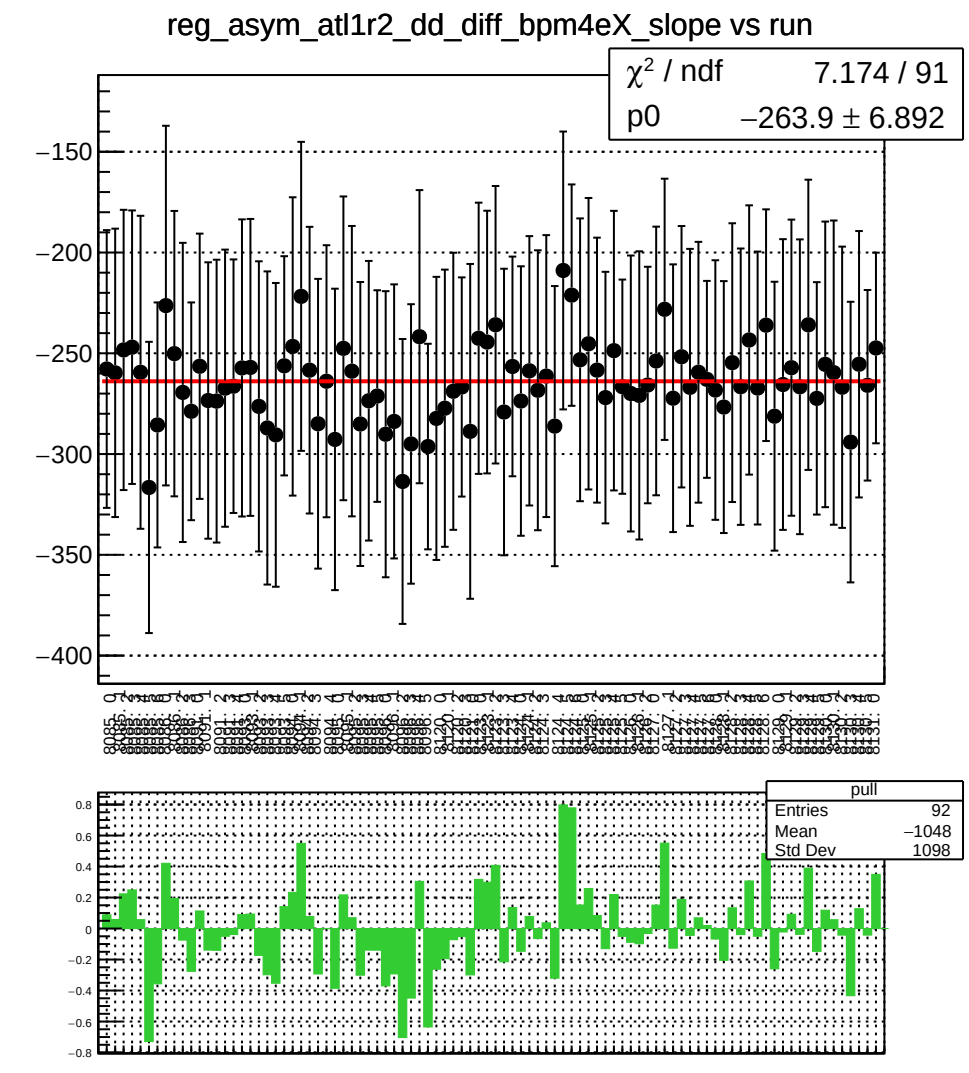

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.986 / 91
p0 −14.92 ± 8.994
pull
Entries 92
Mean −63.01
Std Dev 60.13
pull1D
Entries 92
Mean −0.003179
Std Dev 0.3294

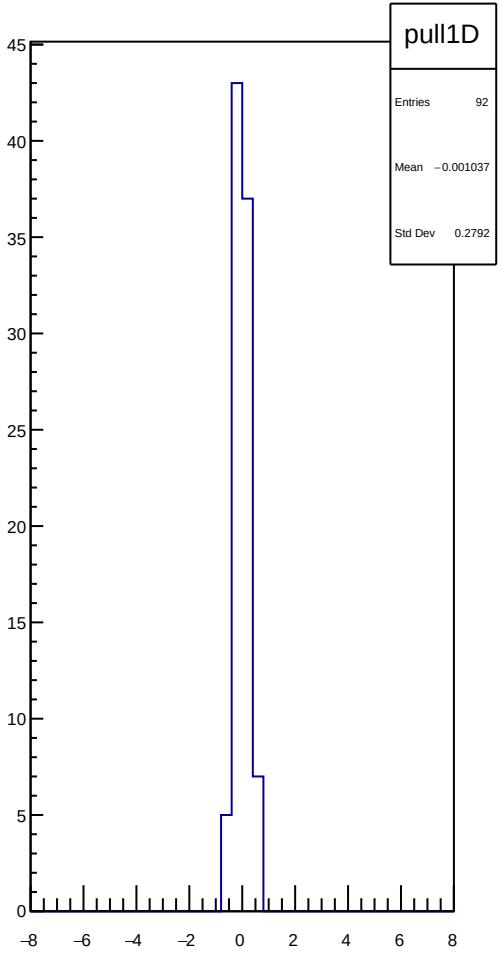

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 721.7 / 91
p0 −102.9 ± 0.3424
−90
−100
−110
−120
−130
−140
pull
Entries 92
Mean −113.5
Std Dev 153
4
2
0
−2
−4
−6
pull1D
Entries 92
Mean −0.3837
Std Dev 2.774
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

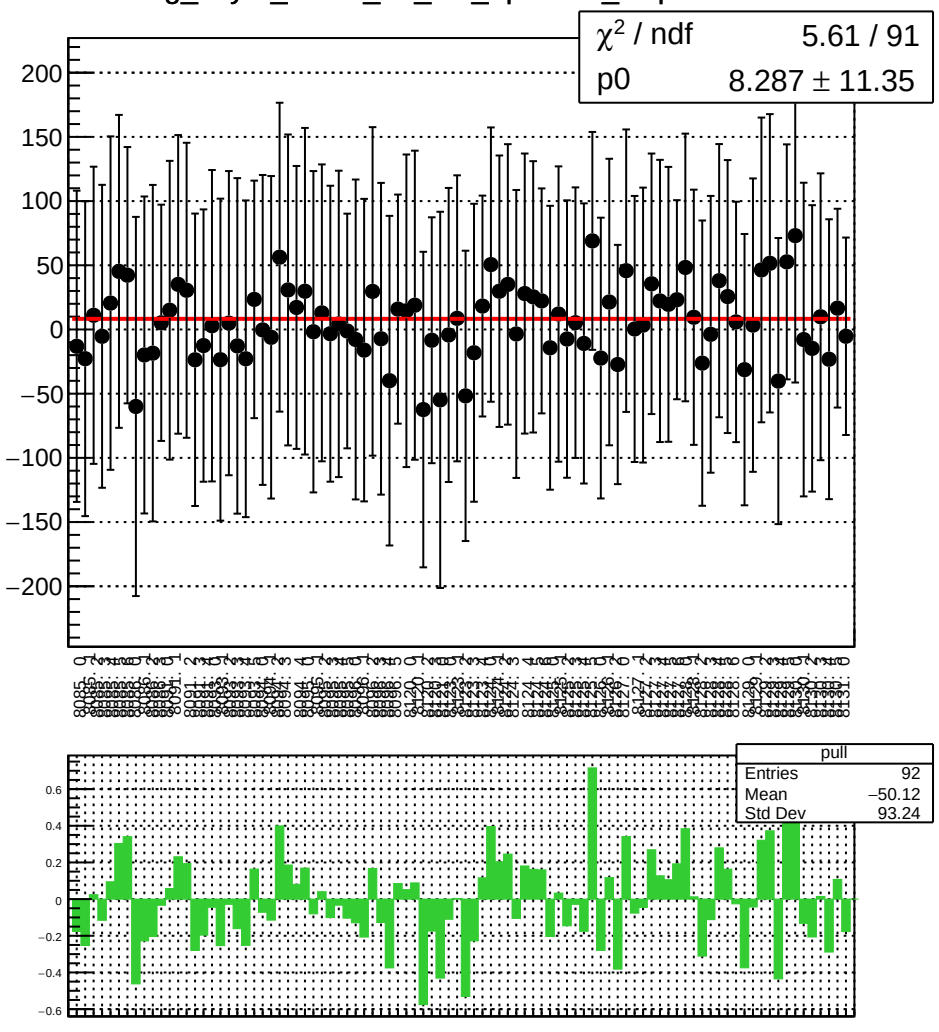

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 7.384 / 91
p0 254.9 ± 7.255
pull
Entries 92
Mean 4932
Std Dev 4875
pull1D
Entries 92
Mean −0.0001447
Std Dev 0.2833

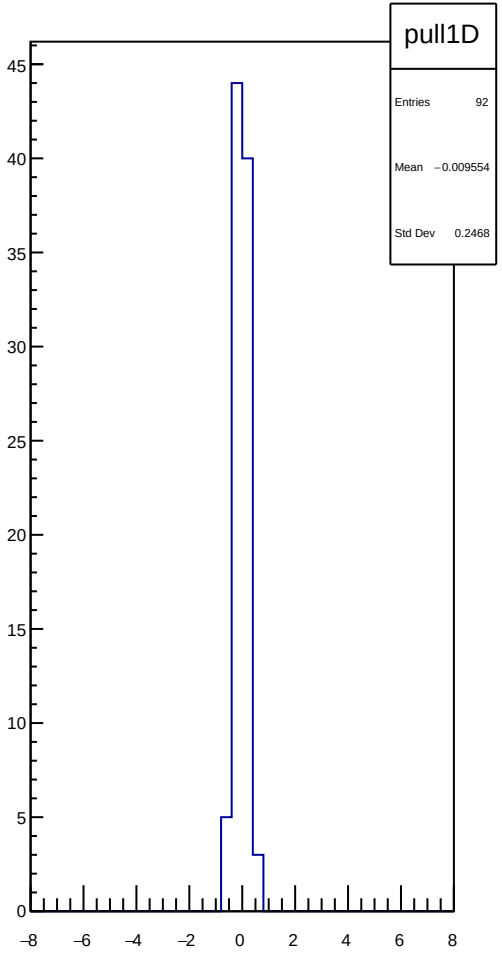

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.474 / 91
p0 −72 ± 10.62
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 92
Mean −41.11
Std Dev 86.42
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

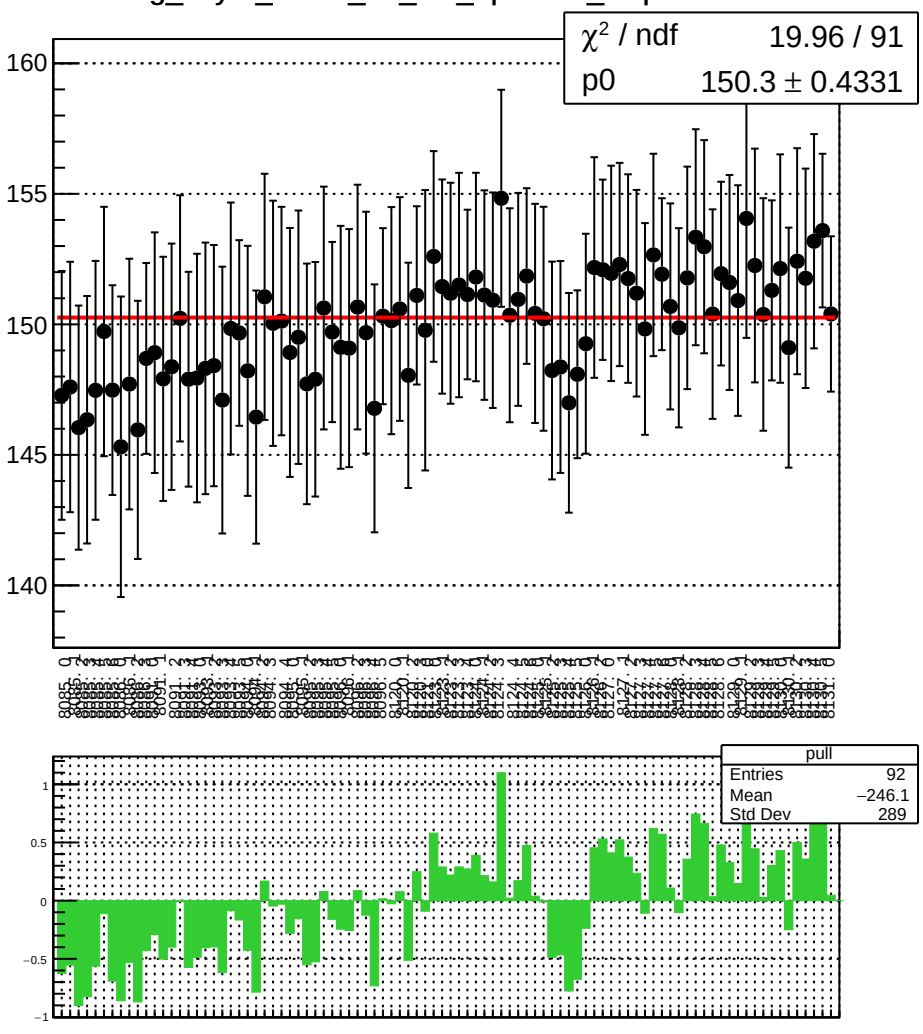

pull1D
Entries 92
Mean 0.008882
Std Dev 0.2438
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

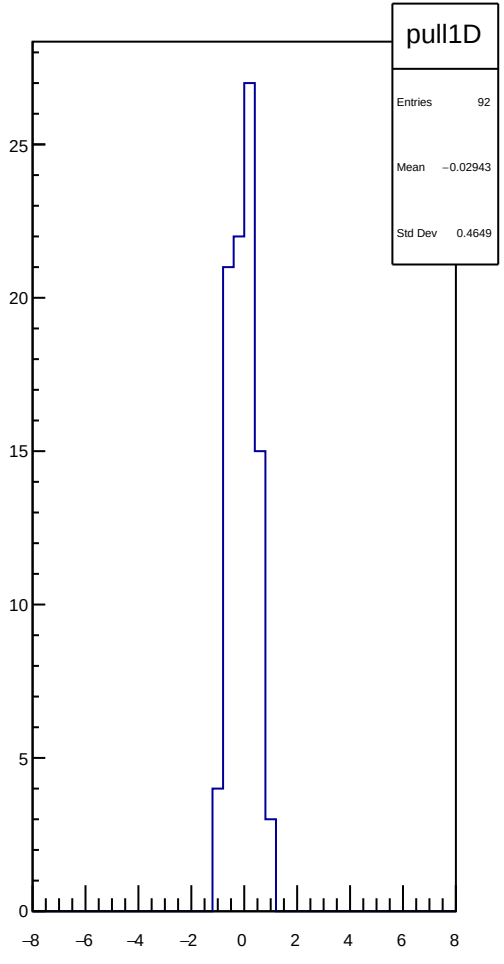

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.174 / 91
p0 −263.9 ± 6.892
pull
Entries 92
Mean −1048
Std Dev 1098

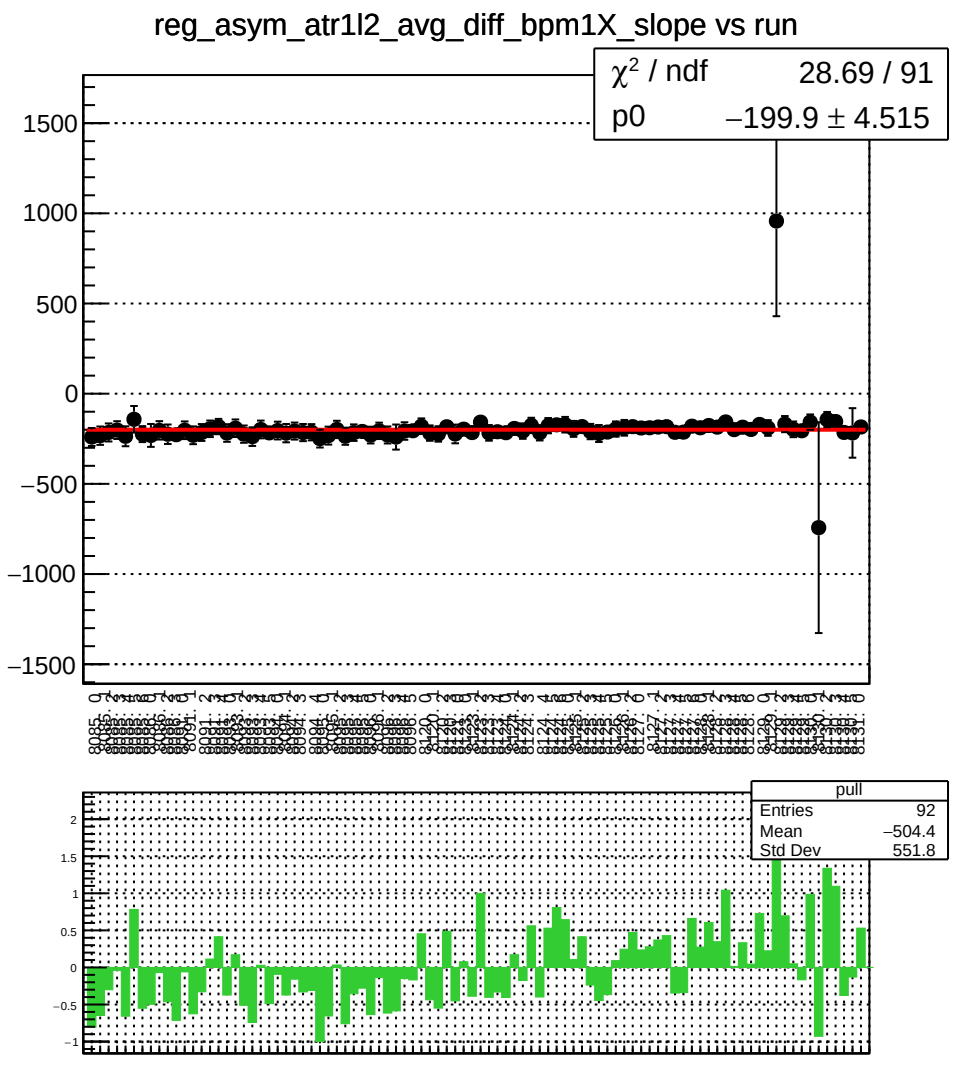

pull1D
Entries 92
Mean −0.001037
Std Dev 0.2792

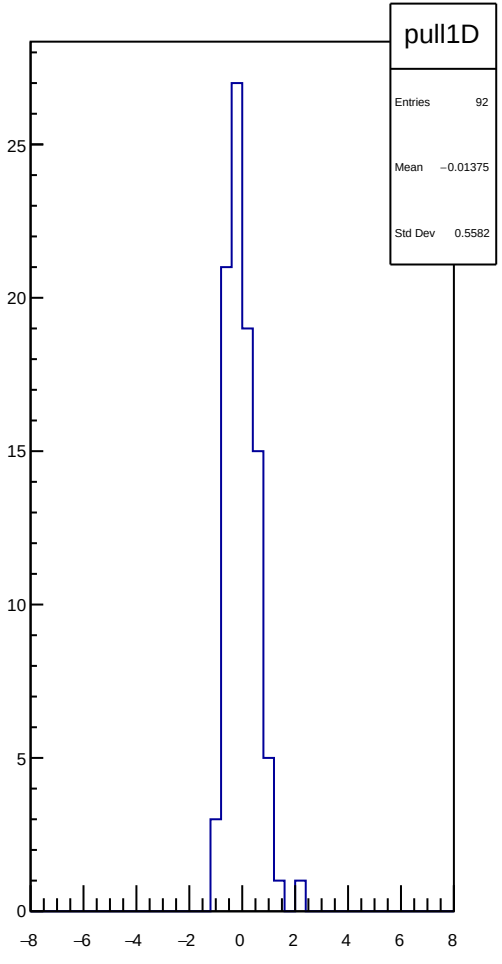

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.61 / 91
p0 8.287 ± 11.35
pull
Entries 92
Mean −50.12
Std Dev 93.24

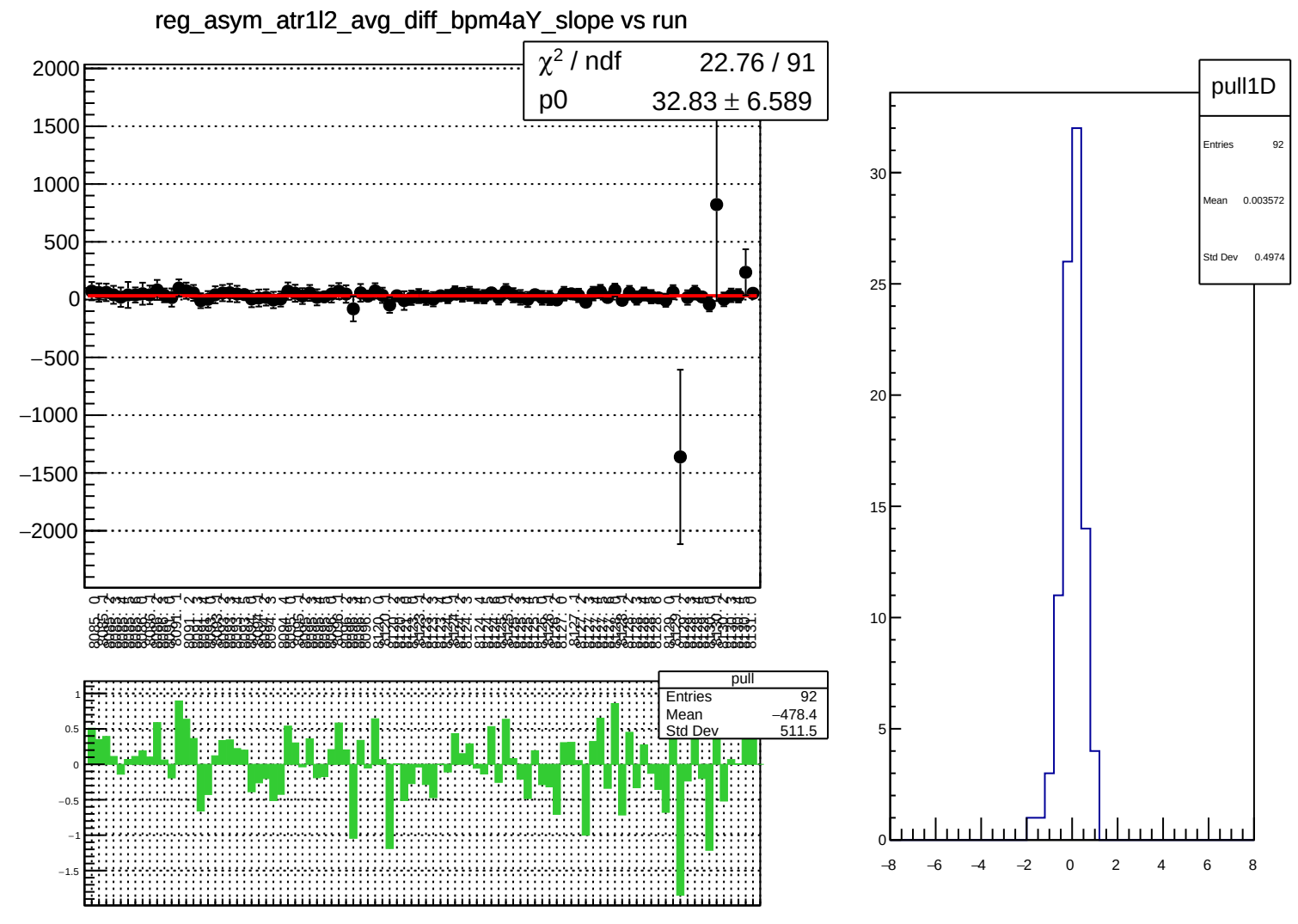

pull1D
Entries 92
Mean −0.009554
Std Dev 0.2468

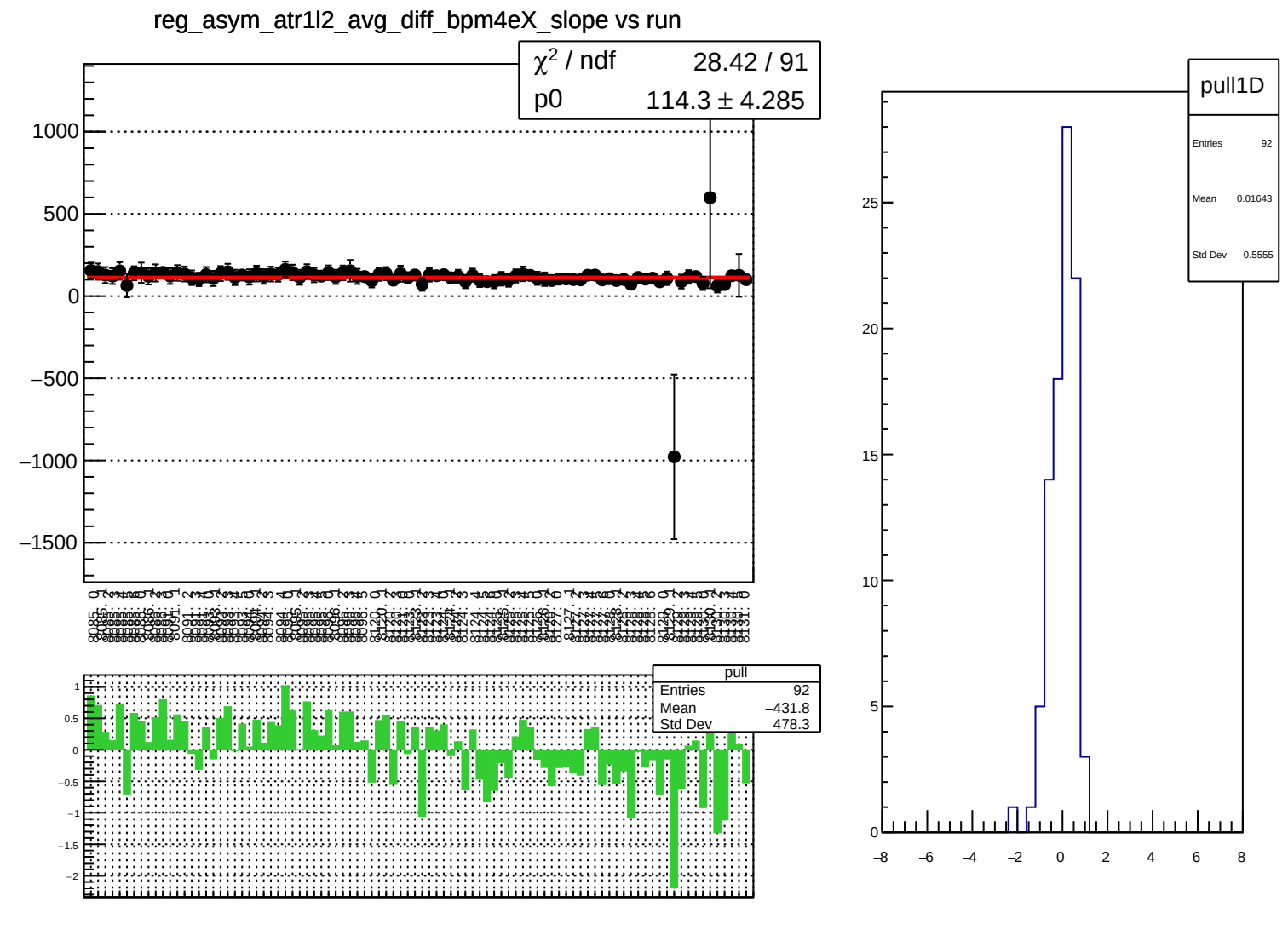

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.96 / 91
p0 150.3 ± 0.4331
160
155
150
145
140
pull
Entries 92
Mean −246.1
Std Dev 289
1
0.5
0
−0.5
−1

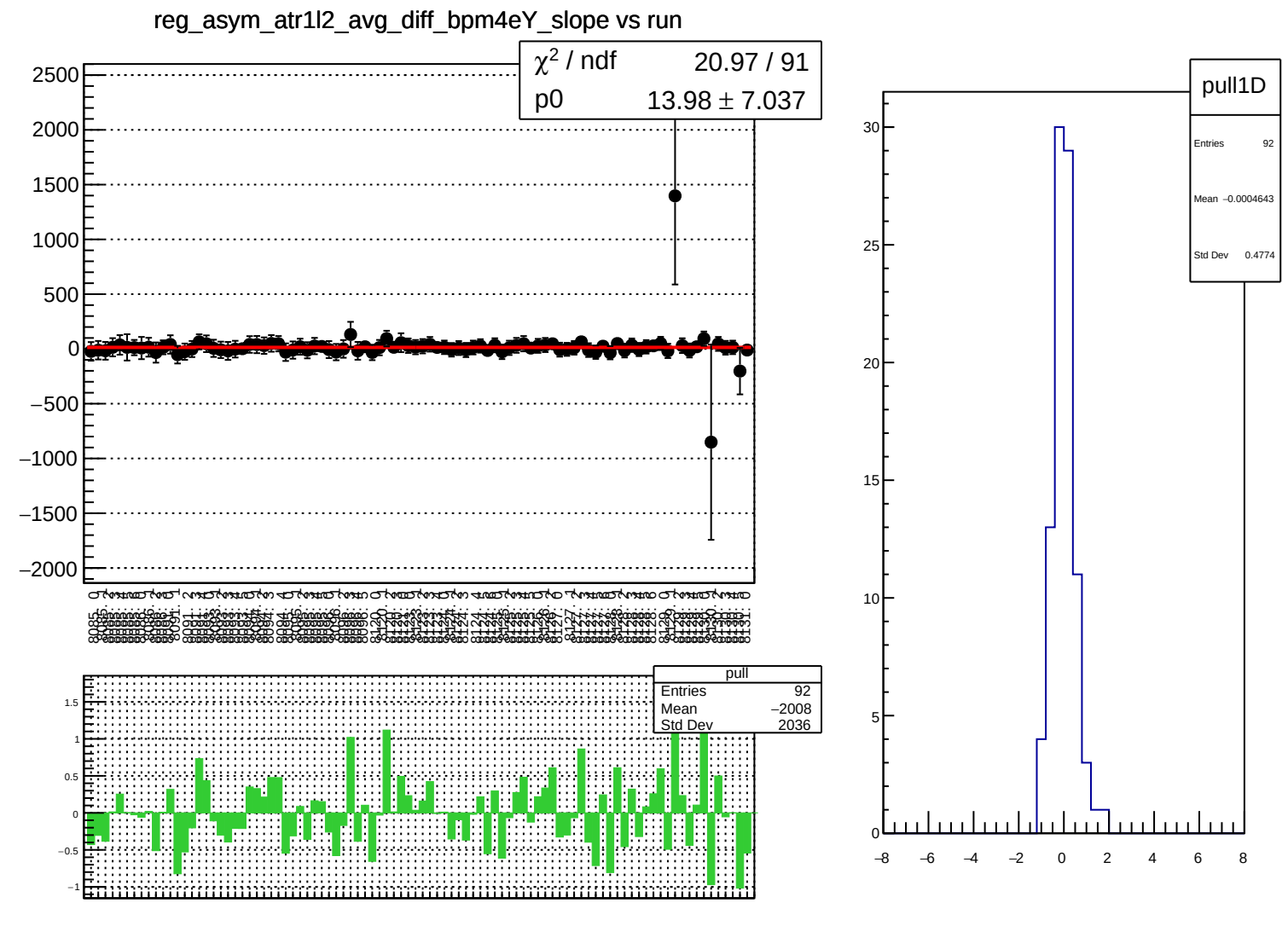

pull1D
Entries 92
Mean −0.02943
Std Dev 0.4649
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

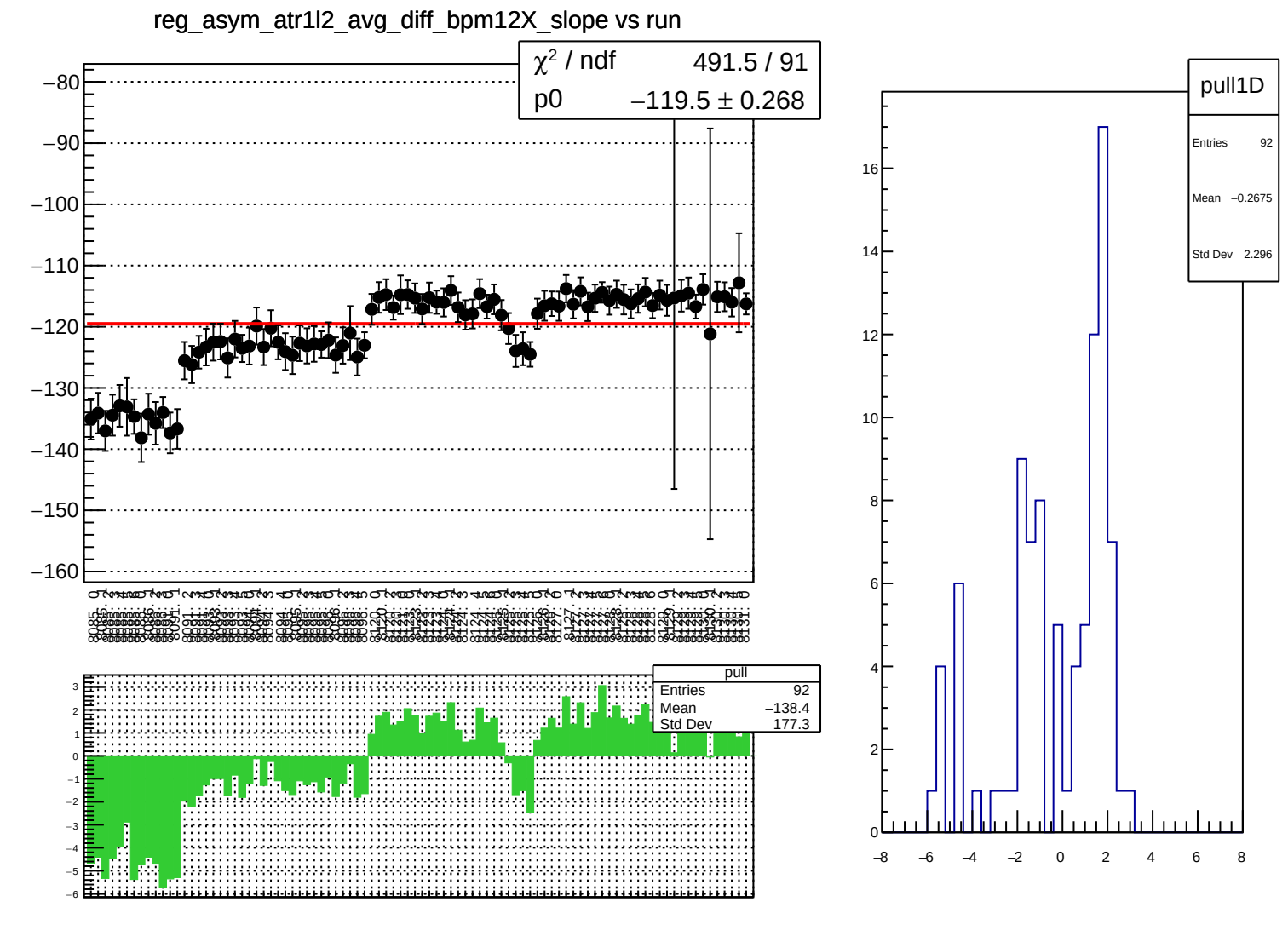

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 28.69 / 91
p0 −199.9 ± 4.515
1500
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean −504.4
Std Dev 551.8
2
1.5
1
0.5
0
−0.5
−1

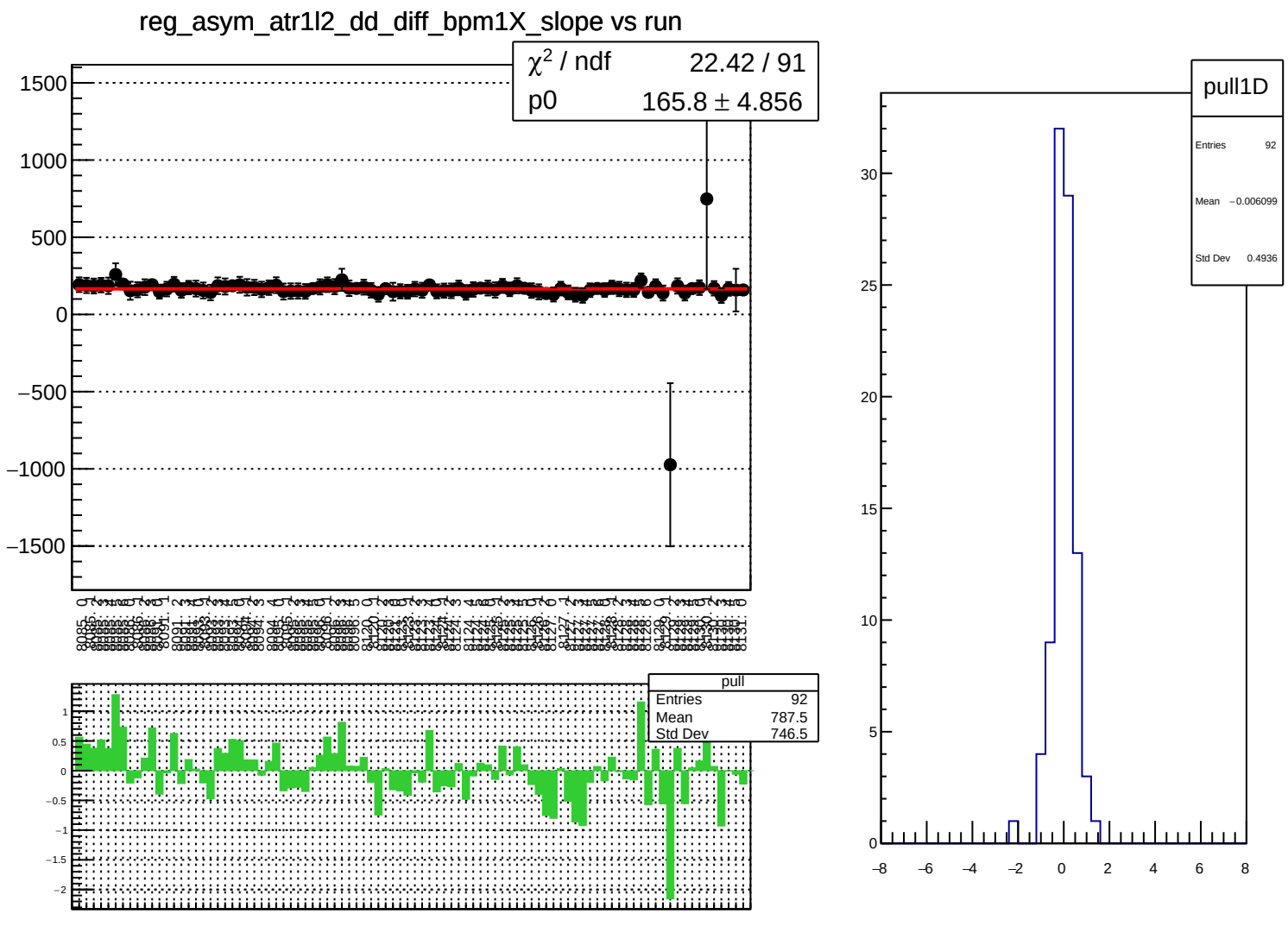

pull1D
Entries 92
Mean −0.01375
Std Dev 0.5582
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

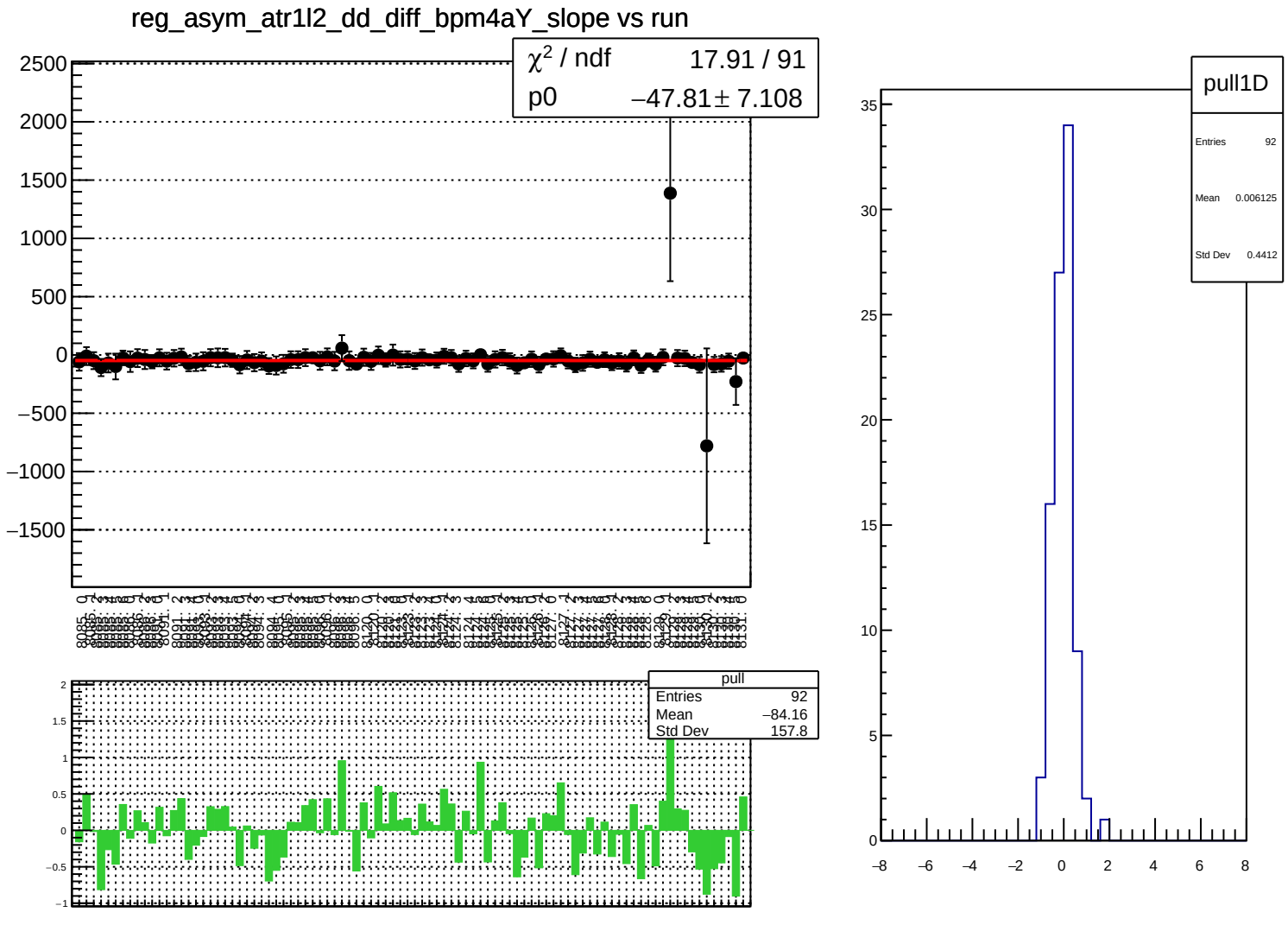

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.76 / 91
p0 32.83 ± 6.589
pull
Entries 92
Mean −478.4
Std Dev 511.5
pull1D
Entries 92
Mean 0.003572
Std Dev 0.4974

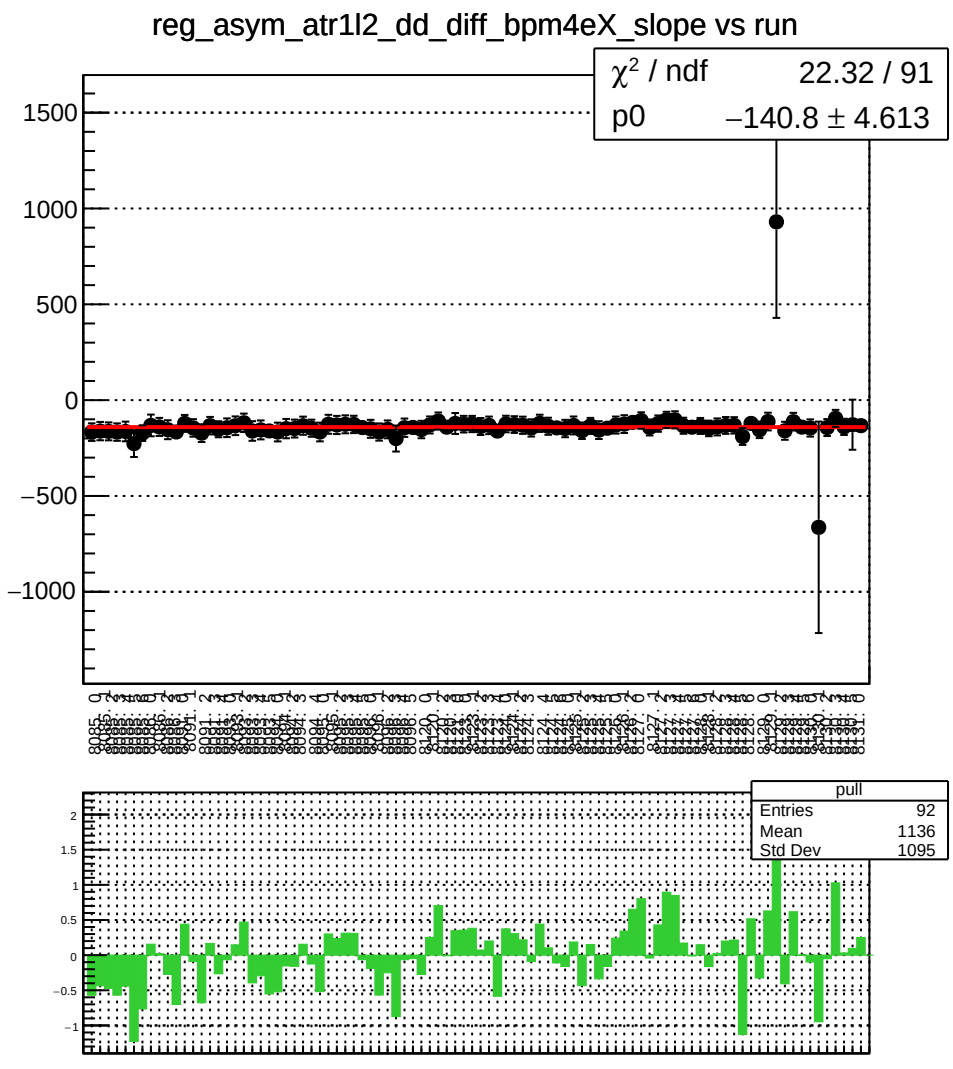

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.42 / 91
p0 114.3 ± 4.285
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean −431.8
Std Dev 478.3
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.01643
Std Dev 0.5555
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

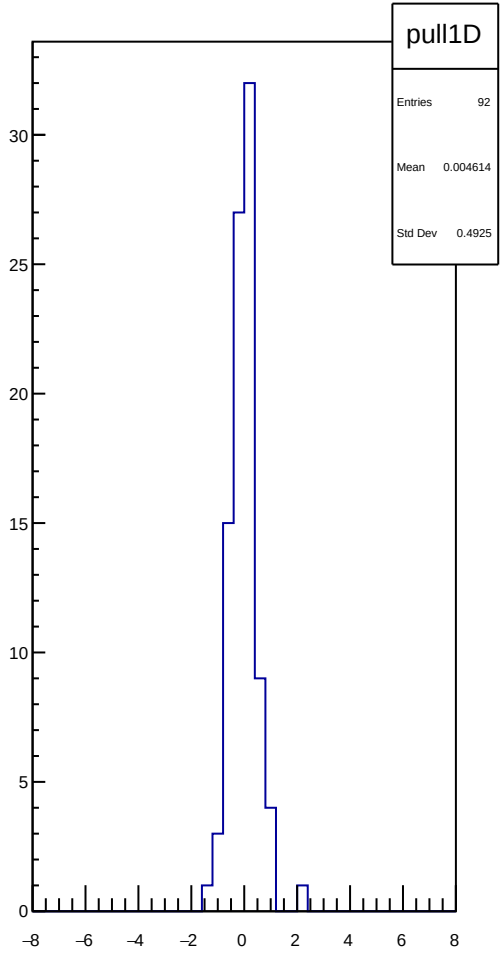

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.97 / 91
p0 13.98 ± 7.037
pull
Entries 92
Mean −2008
Std Dev 2036
pull1D
Entries 92
Mean −0.0004643
Std Dev 0.4774

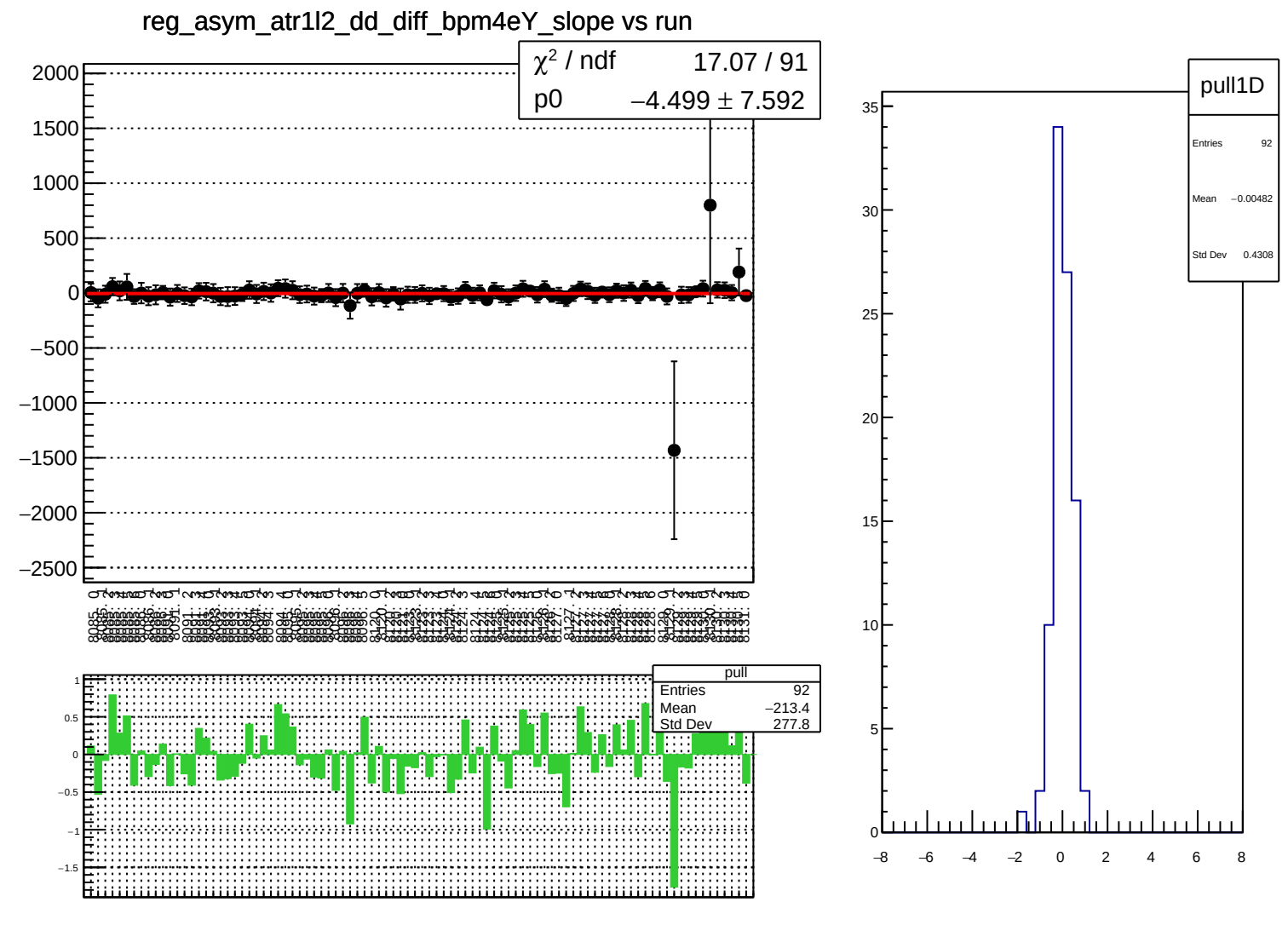

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 491.5 / 91
p0 −119.5 ± 0.268
pull
Entries 92
Mean −138.4
Std Dev 177.3
pull1D
Entries 92
Mean −0.2675
Std Dev 2.296

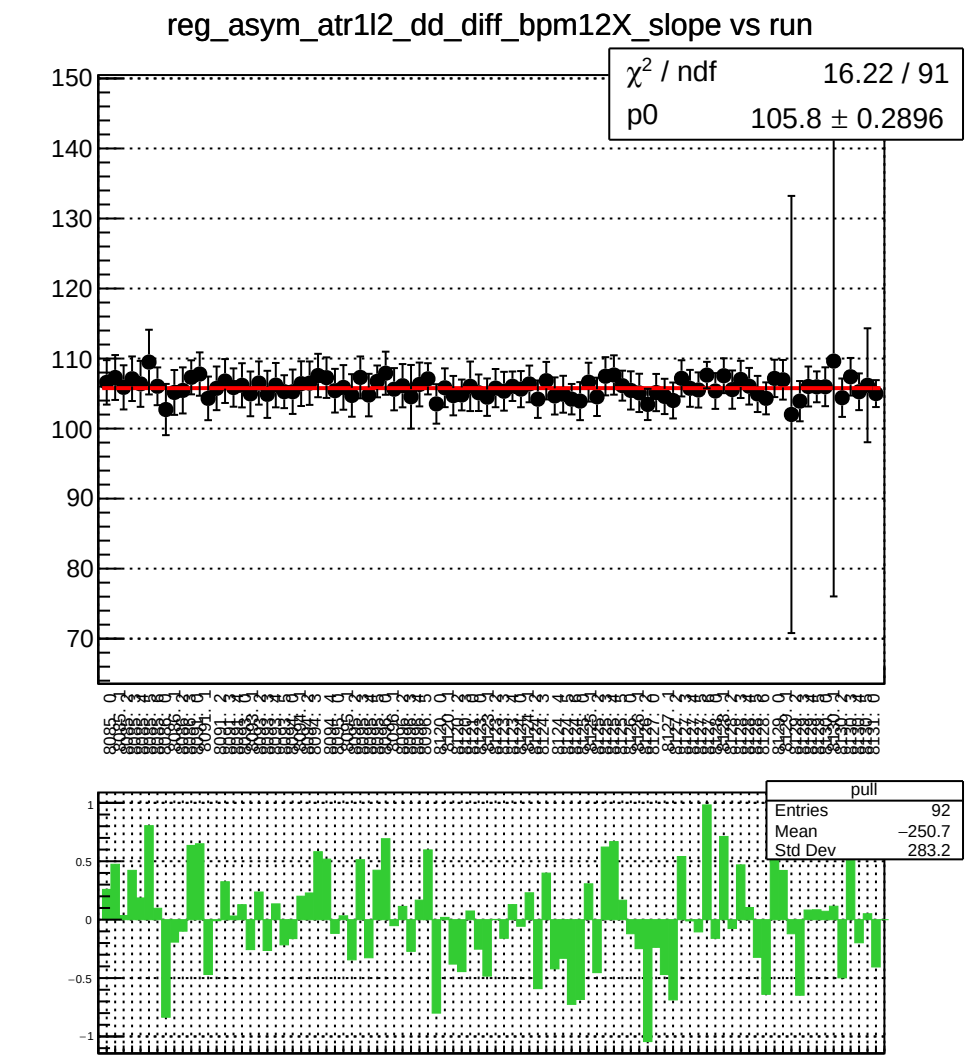

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 22.42 / 91
p0 165.8 ± 4.856
pull
Entries 92
Mean 787.5
Std Dev 746.5
pull1D
Entries 92
Mean −0.006099
Std Dev 0.4936

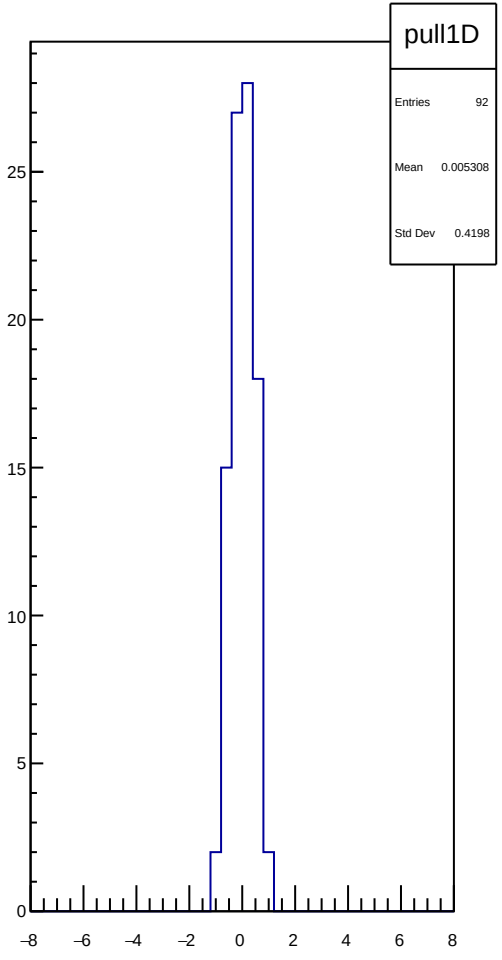

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.91 / 91
p0 −47.81 ± 7.108
pull
Entries 92
Mean −84.16
Std Dev 157.8
pull1D
Entries 92
Mean 0.006125
Std Dev 0.4412

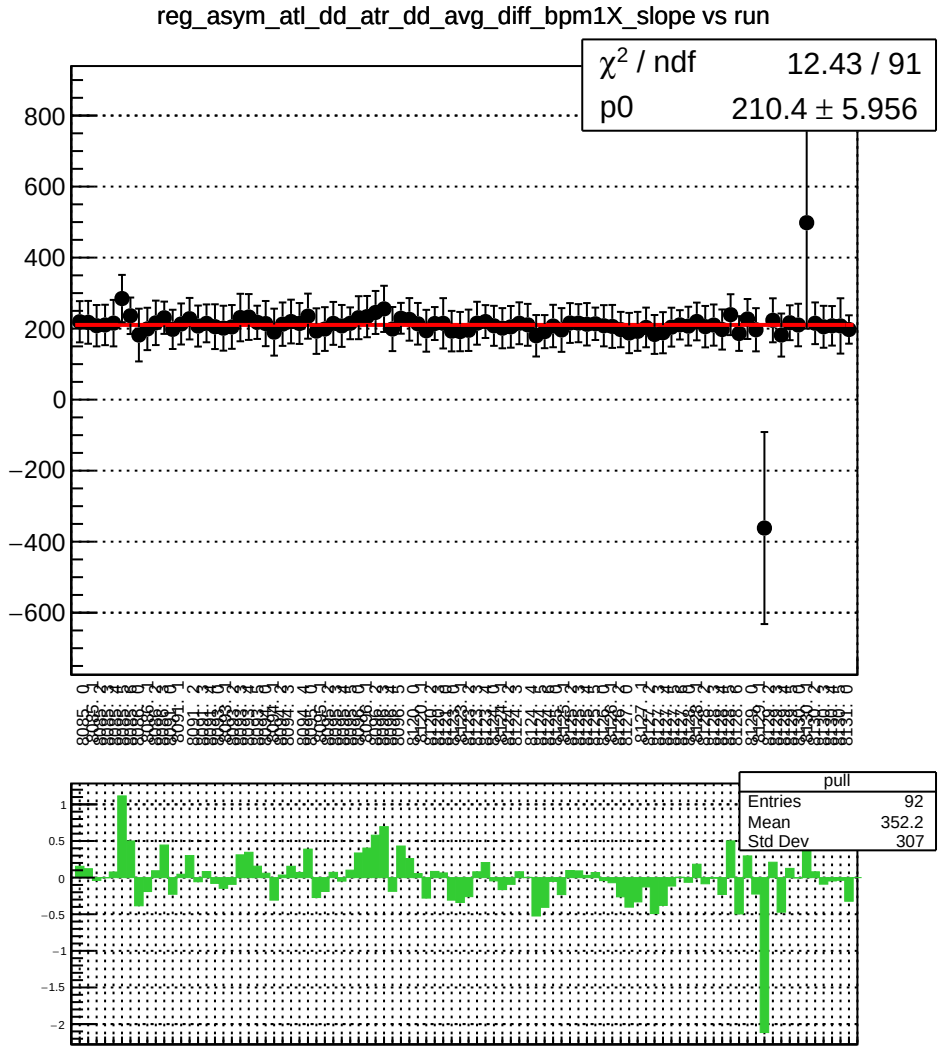

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.32 / 91
p0 −140.8 ± 4.613
1500
1000
500
0
−500
−1000
pull
Entries 92
Mean 1136
Std Dev 1095
2
1.5
1
0.5
0
−0.5
−1

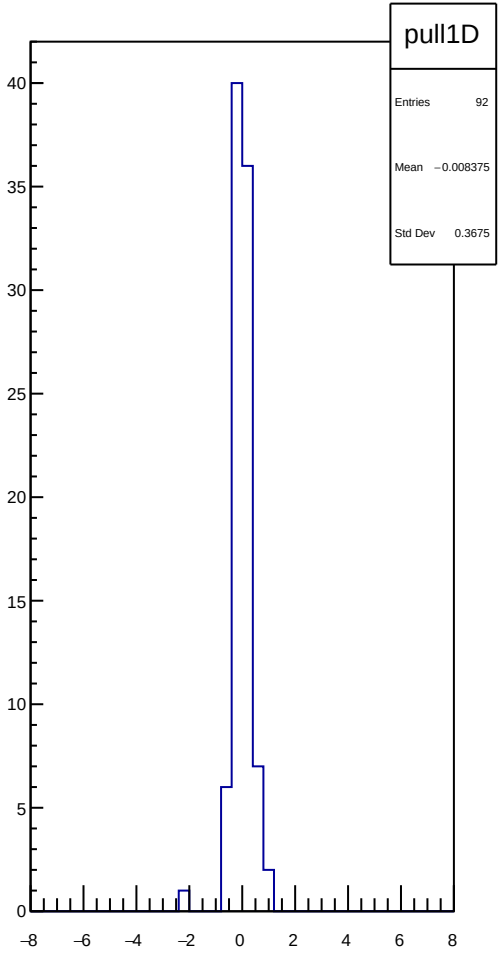

pull1D
Entries 92
Mean 0.004614
Std Dev 0.4925
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

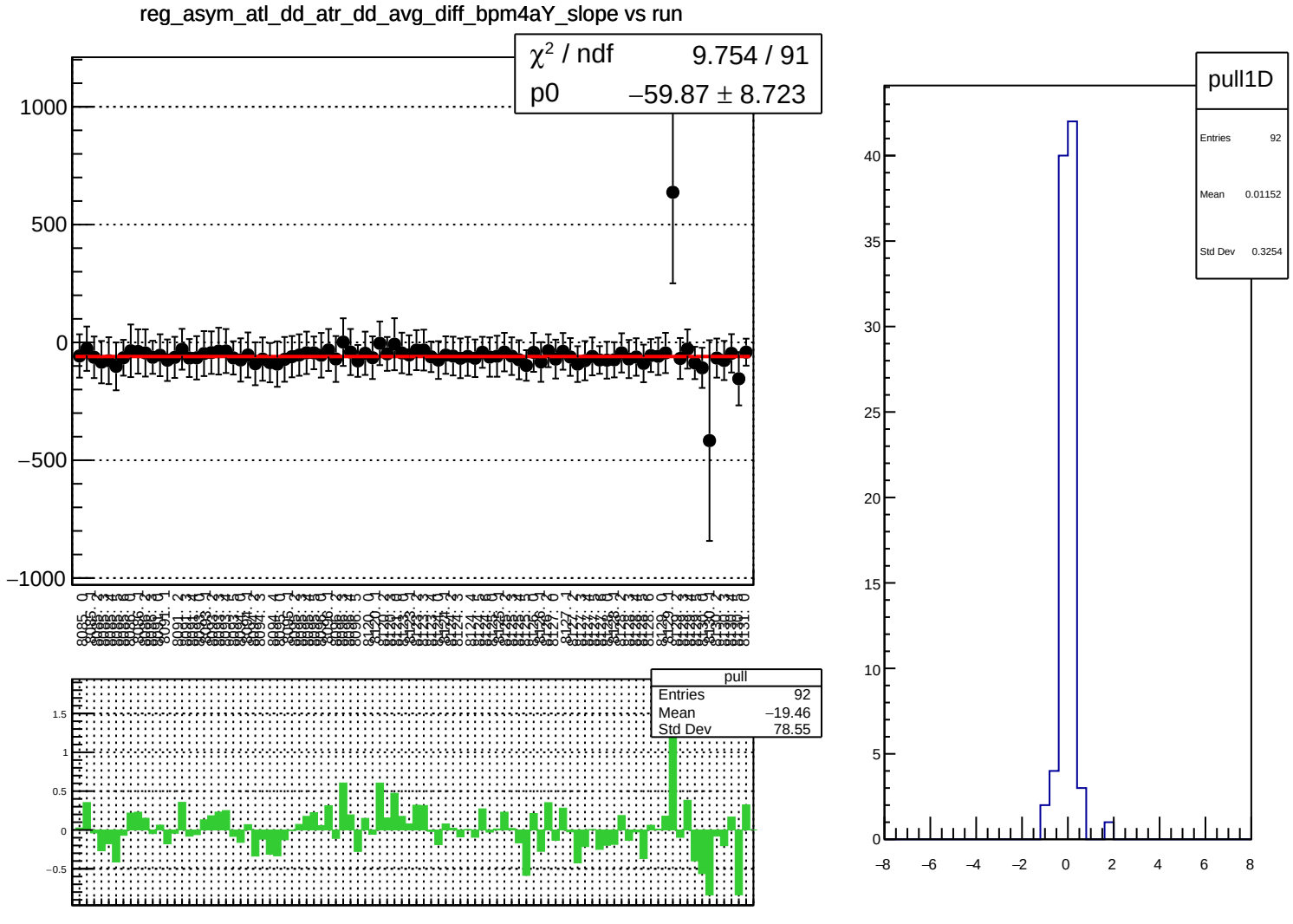

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.07 / 91
p0 −4.499 ± 7.592
pull
Entries 92
Mean −213.4
Std Dev 277.8
pull1D
Entries 92
Mean −0.00482
Std Dev 0.4308

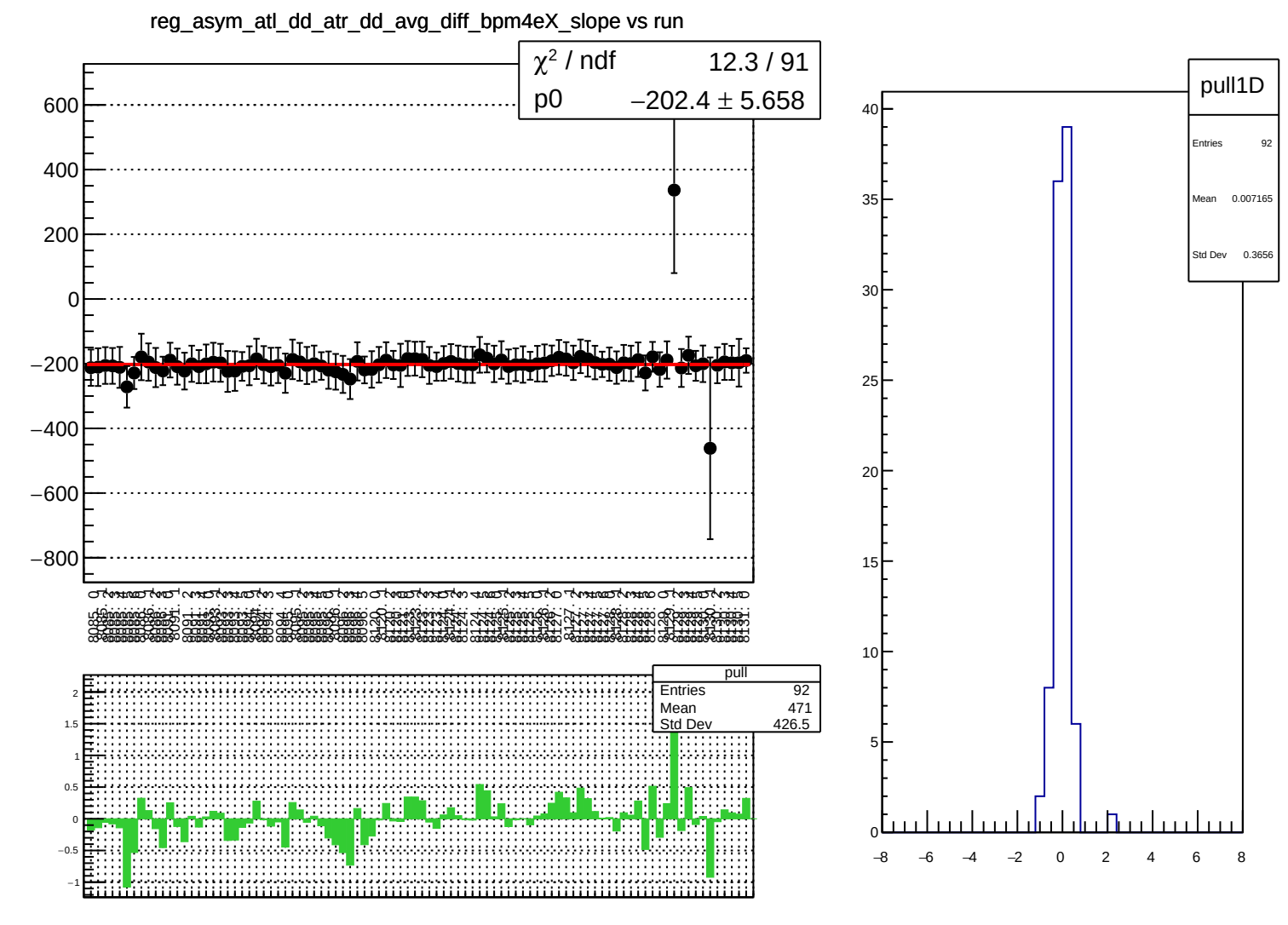

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 16.22 / 91
p0 105.8 ± 0.2896
pull
Entries 92
Mean −250.7
Std Dev 283.2

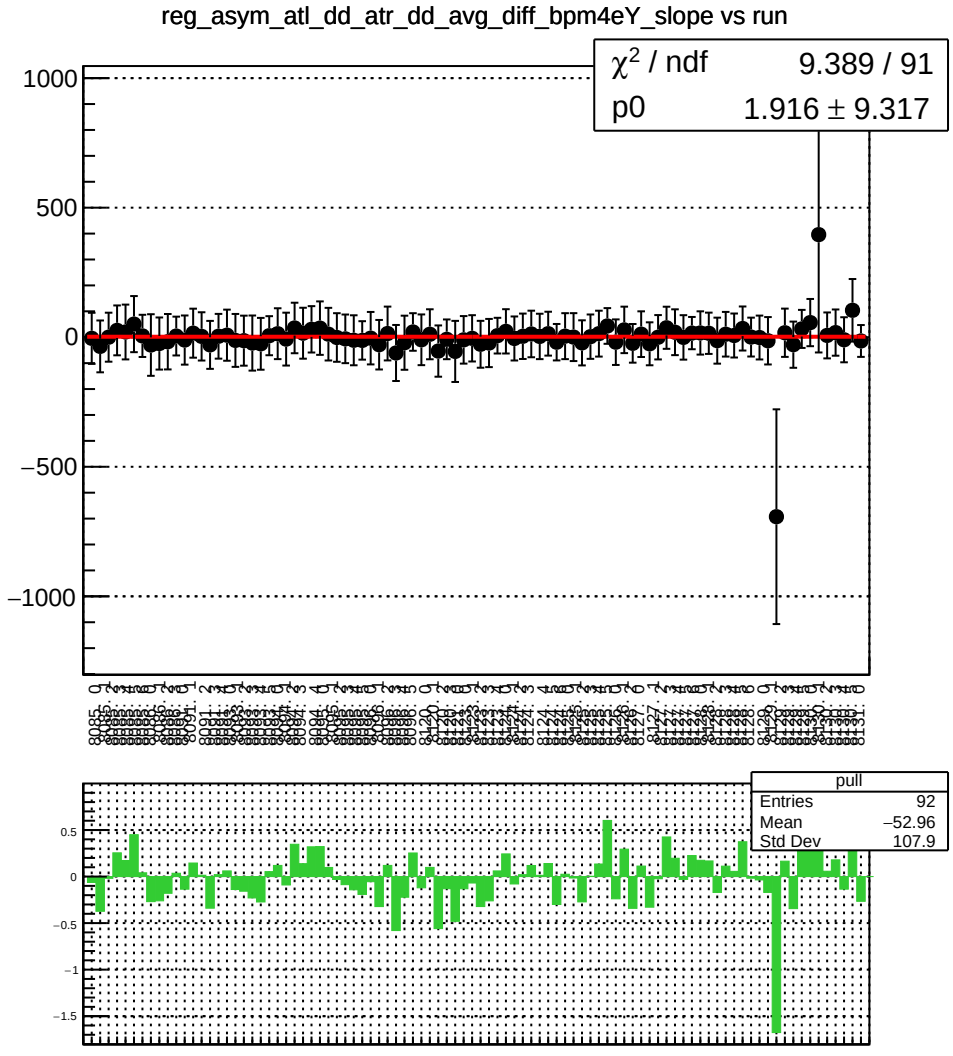

pull1D
Entries 92
Mean 0.005308
Std Dev 0.4198

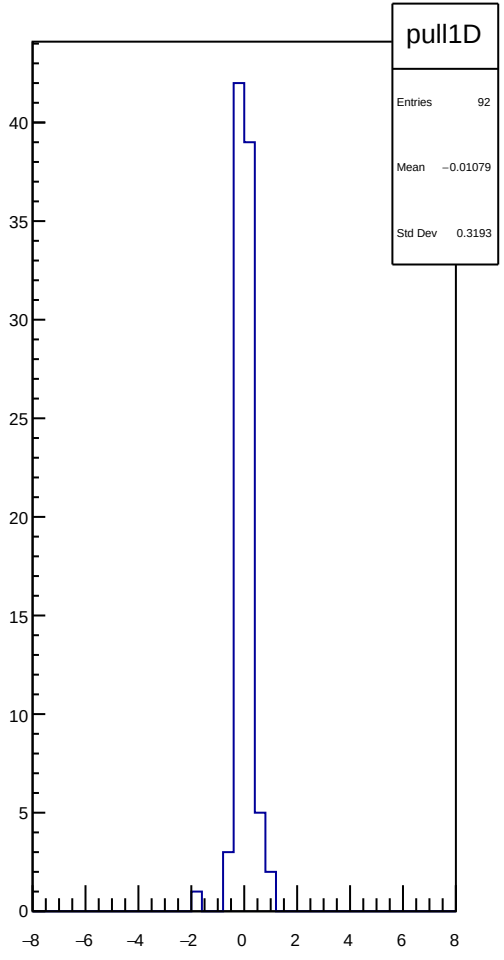

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 12.43 / 91
p0 210.4 ± 5.956
pull
Entries 92
Mean 352.2
Std Dev 307

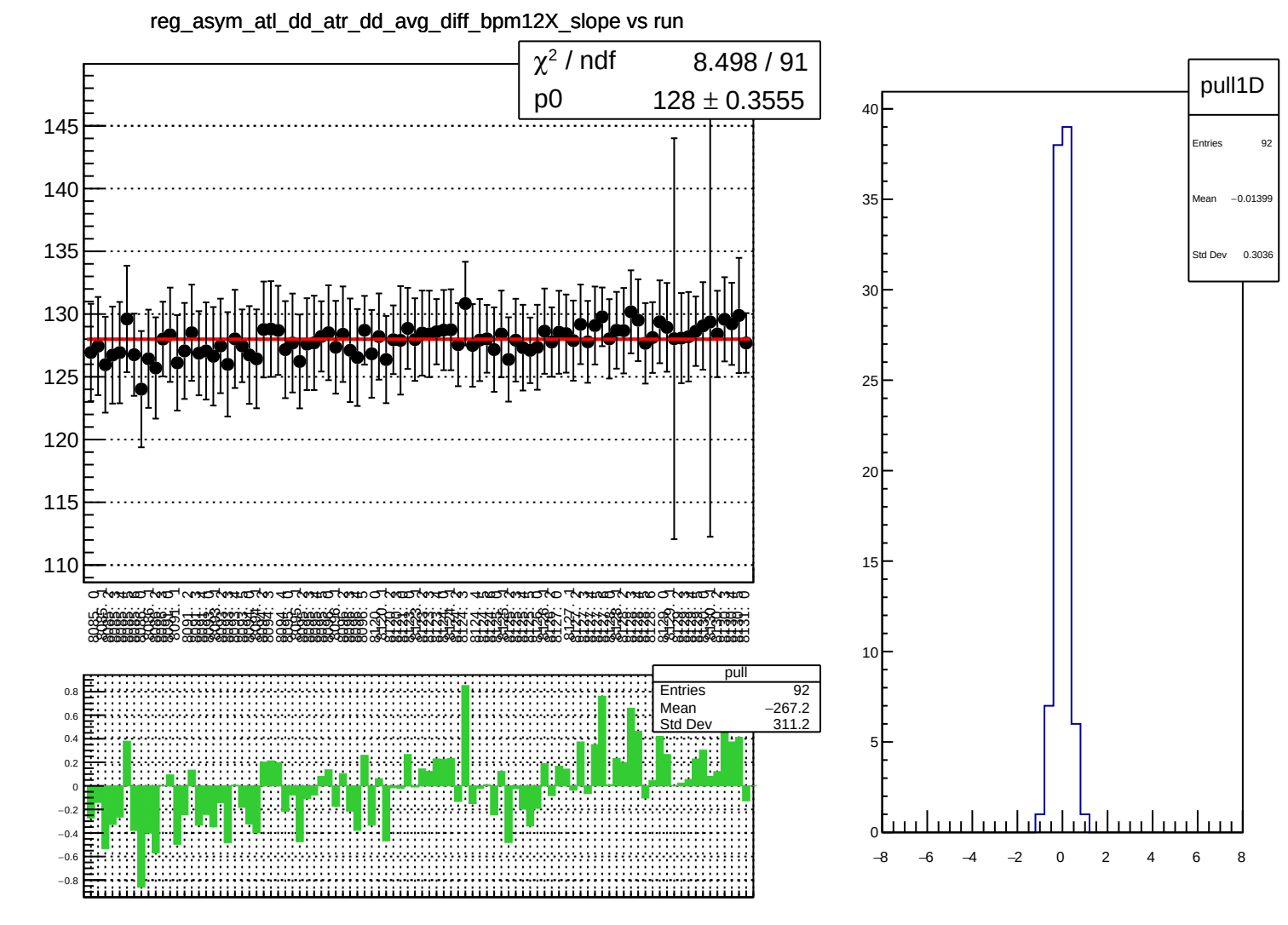

pull1D
Entries 92
Mean −0.008375
Std Dev 0.3675

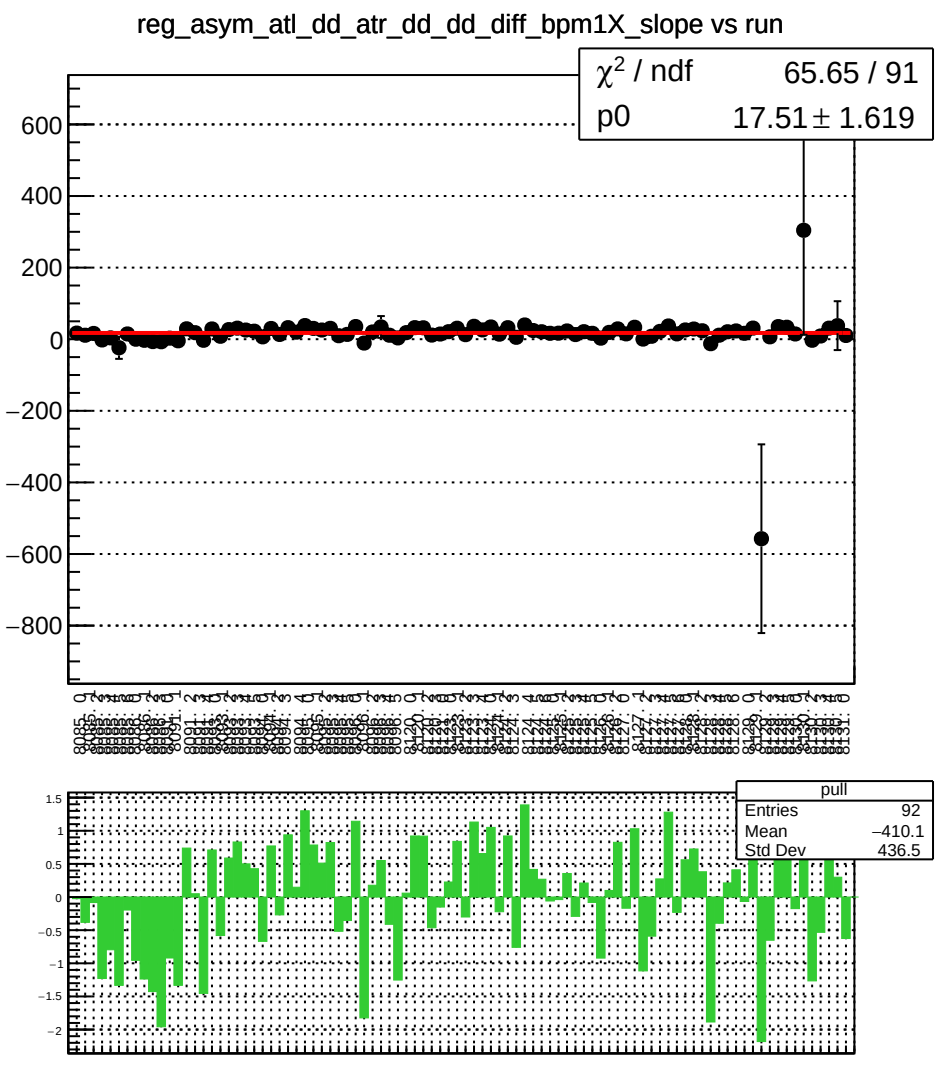

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.754 / 91
p0 −59.87 ± 8.723
1000
500
0
−500
−1000
pull
Entries 92
Mean −19.46
Std Dev 78.55
1.5
1
0.5
0
−0.5
pull1D
Entries 92
Mean 0.01152
Std Dev 0.3254
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

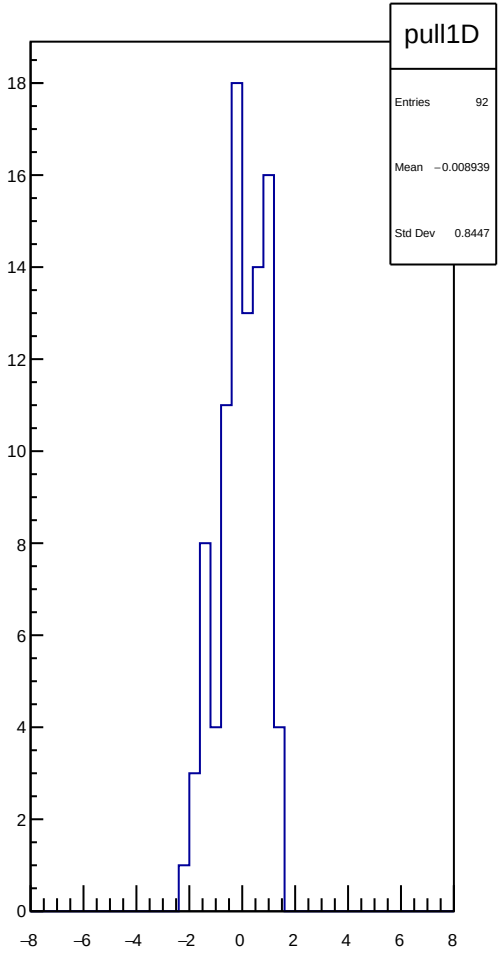

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.3 / 91
p0 −202.4 ± 5.658
pull
Entries 92
Mean 471
Std Dev 426.5
pull1D
Entries 92
Mean 0.007165
Std Dev 0.3656

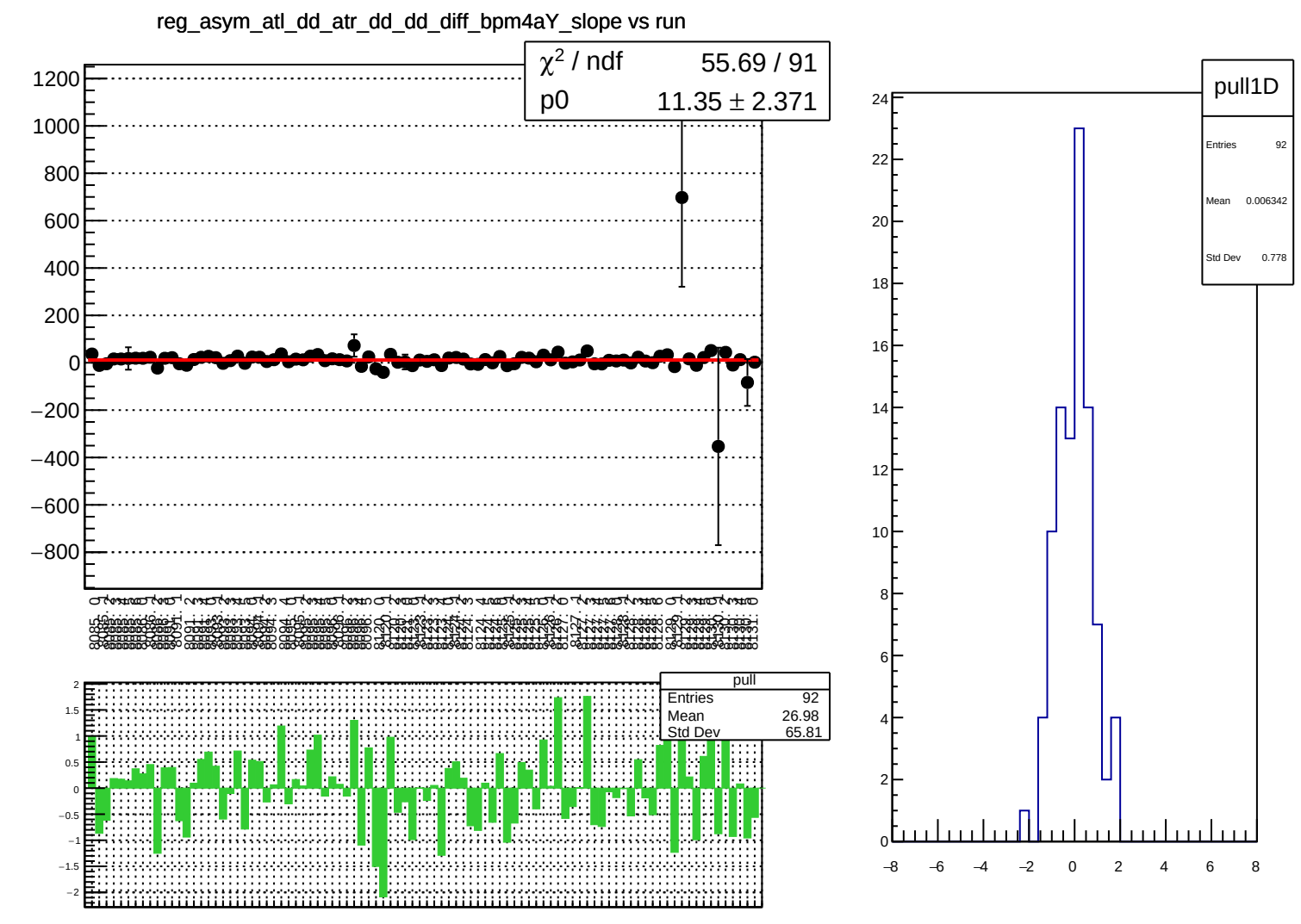

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.389 / 91
p0 1.916 ± 9.317
1000
500
0
−500
−1000
pull
Entries 92
Mean −52.96
Std Dev 107.9
0.5
0
−0.5
−1
−1.5

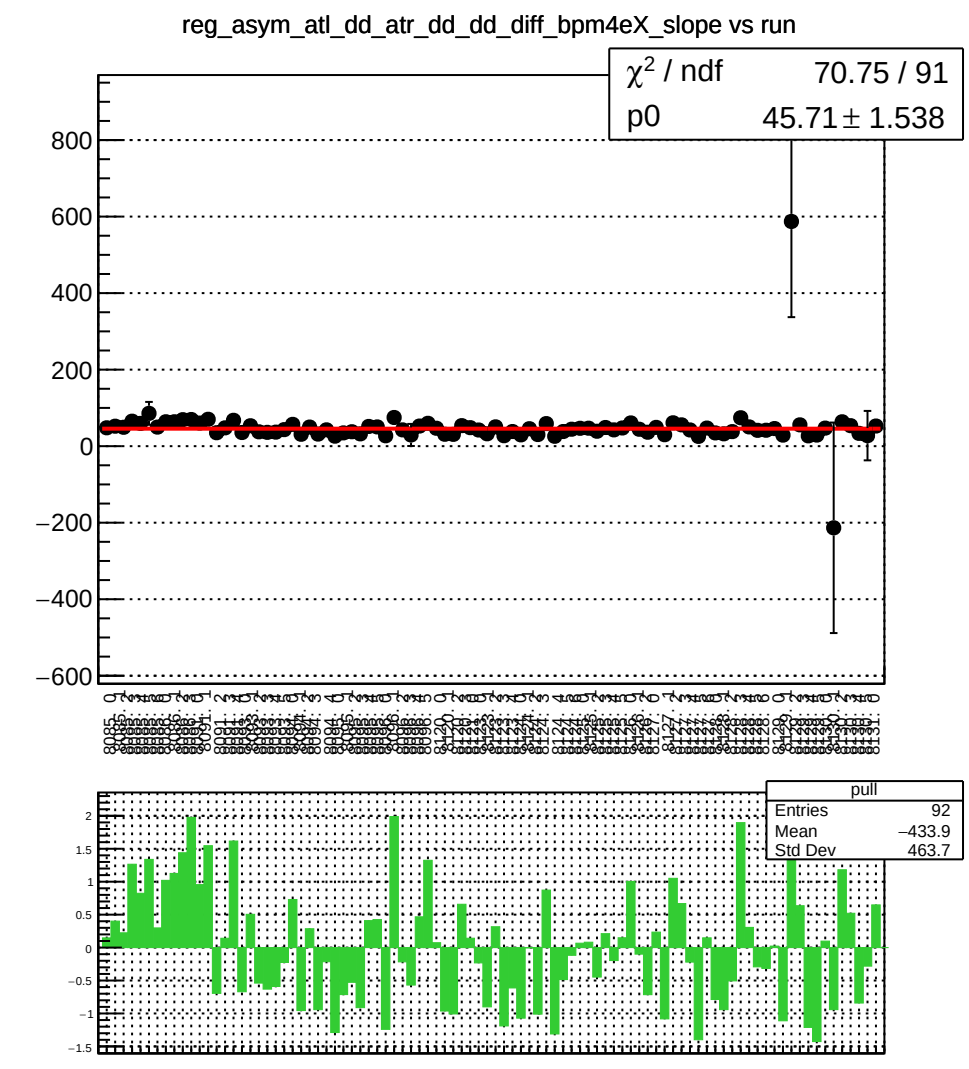

pull1D
Entries 92
Mean −0.01079
Std Dev 0.3193
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

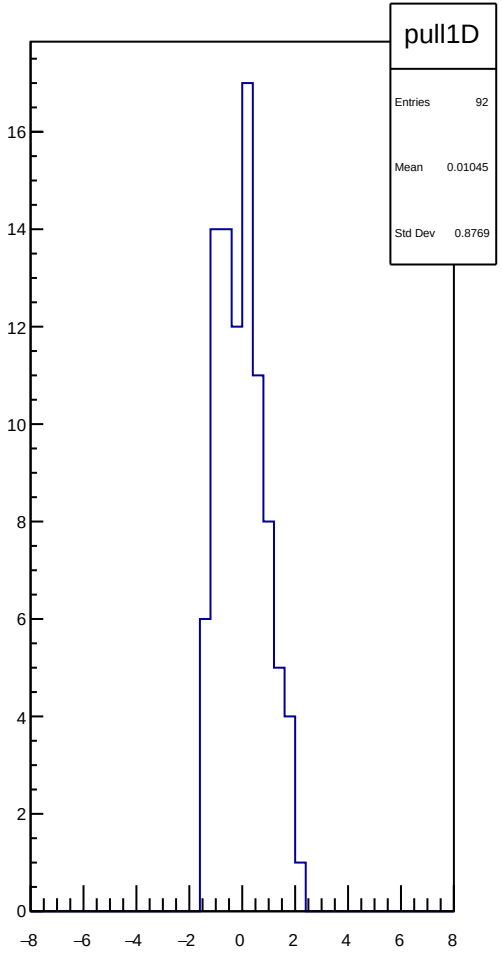

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 8.498 / 91
p0 128 ± 0.3555
145
140
135
130
125
120
115
110
pull
Entries 92
Mean −267.2
Std Dev 311.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean −0.01399
Std Dev 0.3036
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

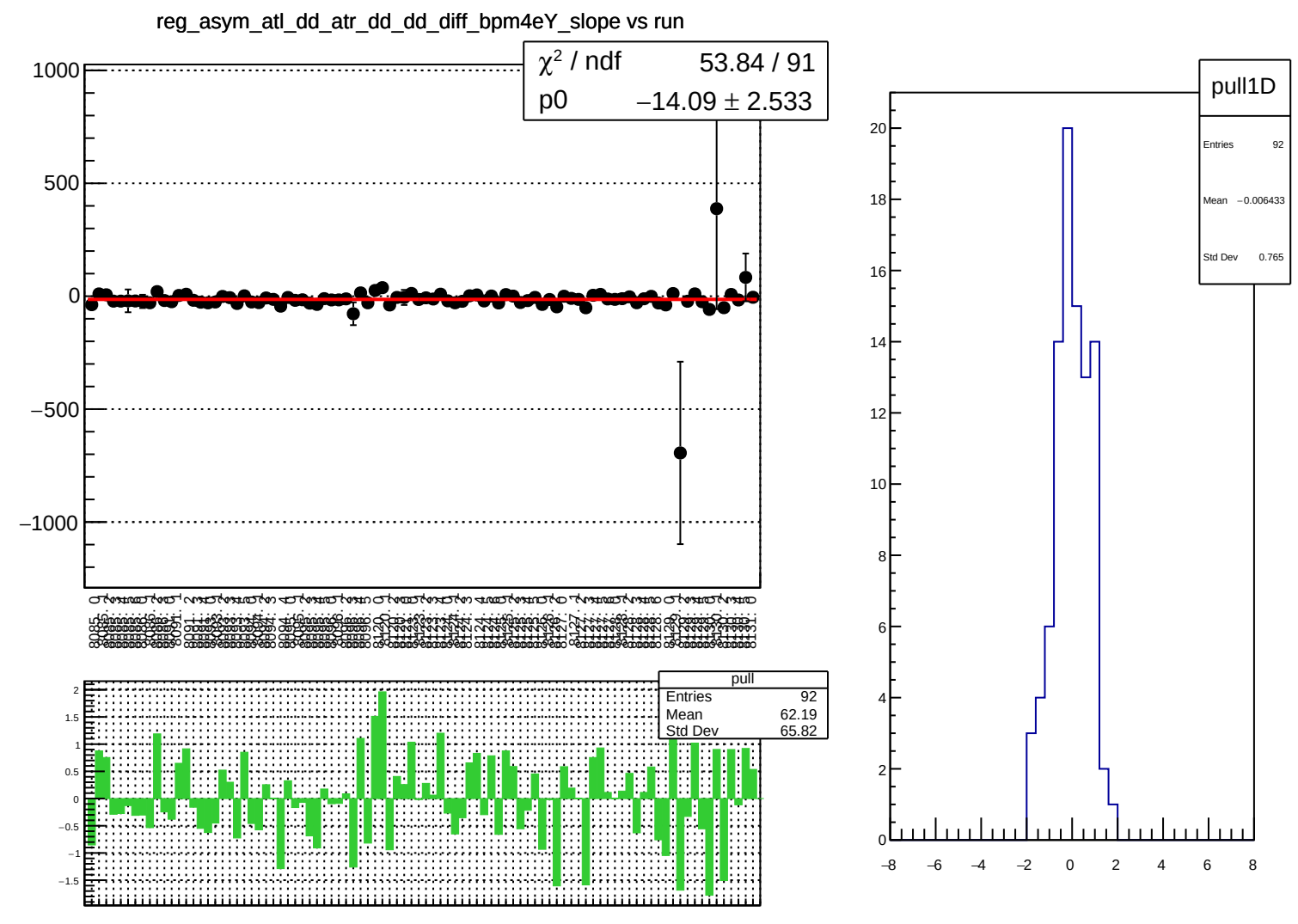

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 65.65 / 91
p0 17.51 ± 1.619
pull
Entries 92
Mean −410.1
Std Dev 436.5

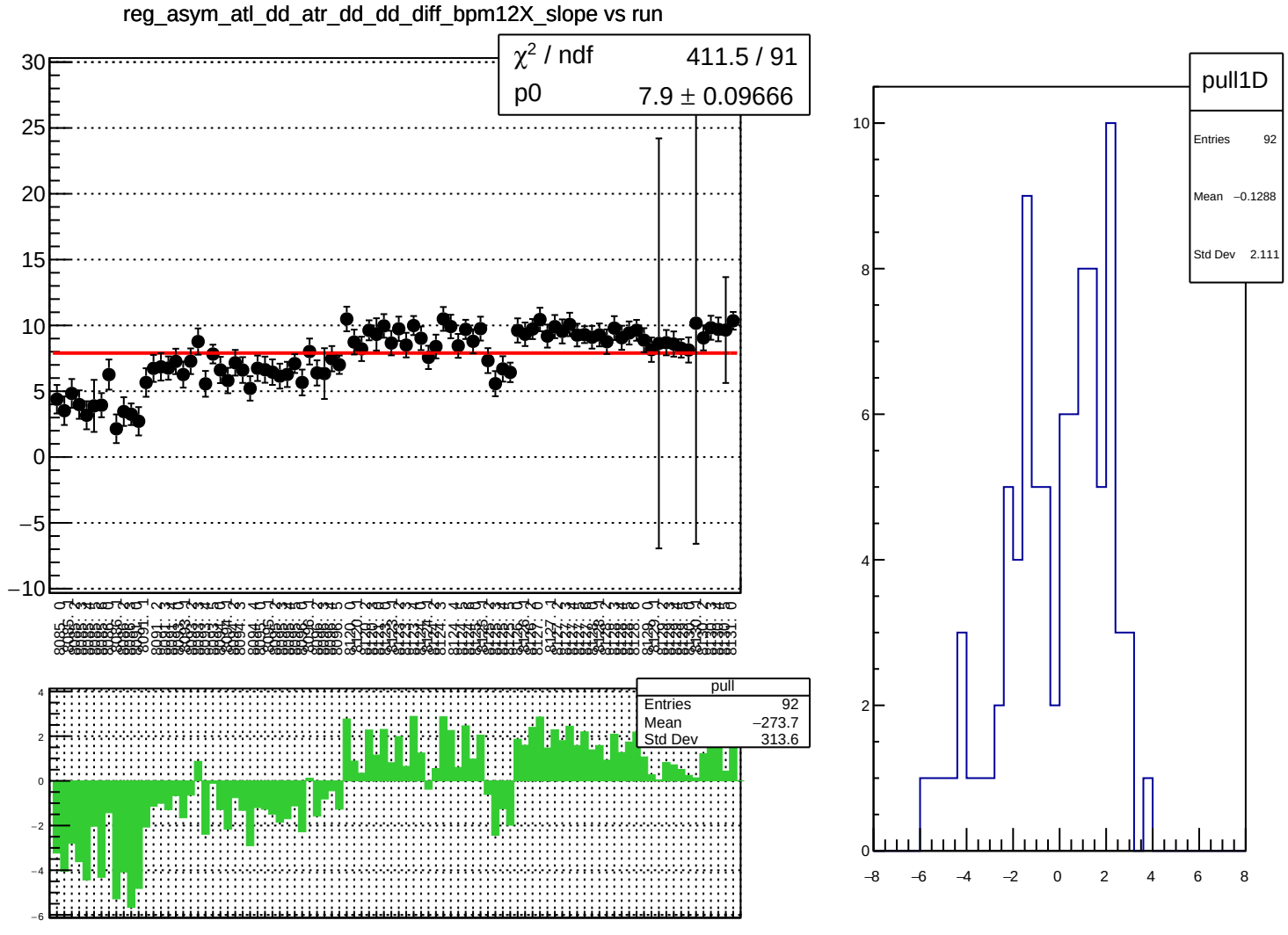

pull1D
Entries 92
Mean −0.008939
Std Dev 0.8447

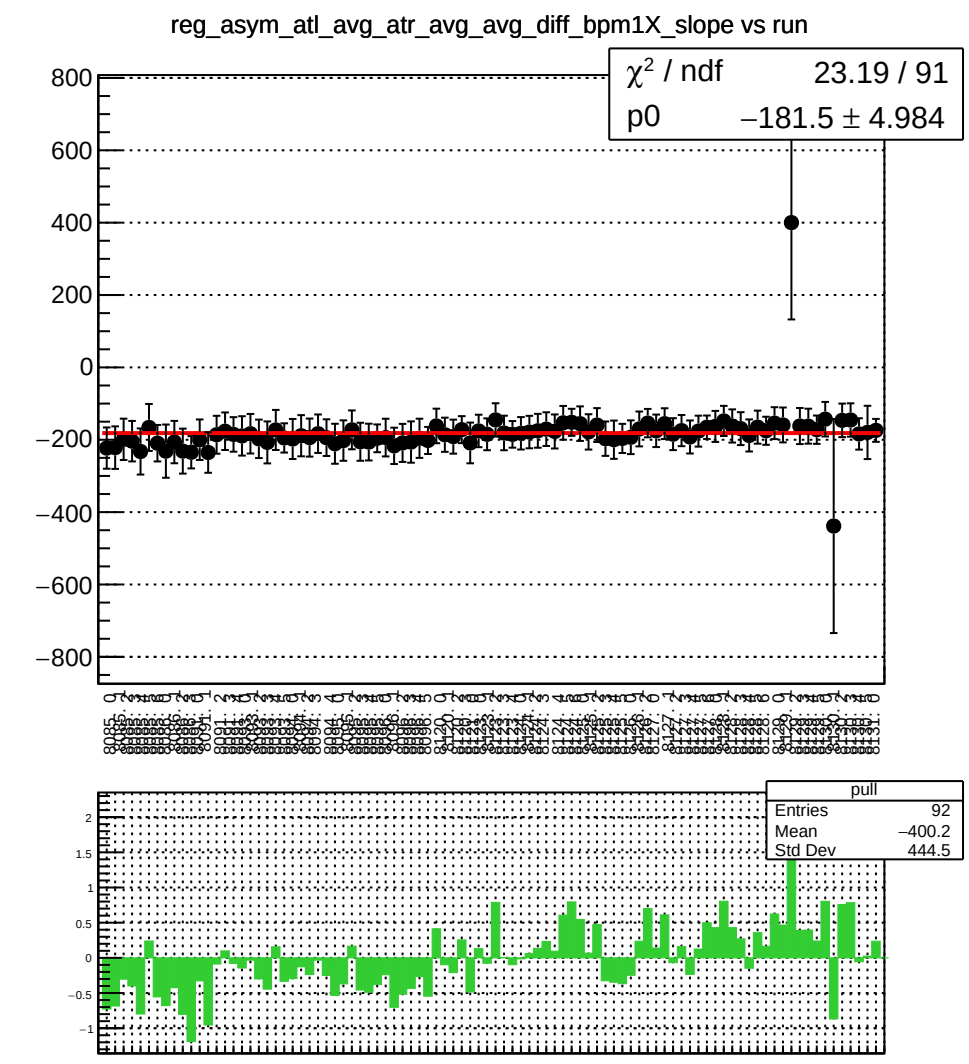

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.69 / 91
p0 11.35 ± 2.371
pull
Entries 92
Mean 26.98
Std Dev 65.81
pull1D
Entries 92
Mean 0.006342
Std Dev 0.778

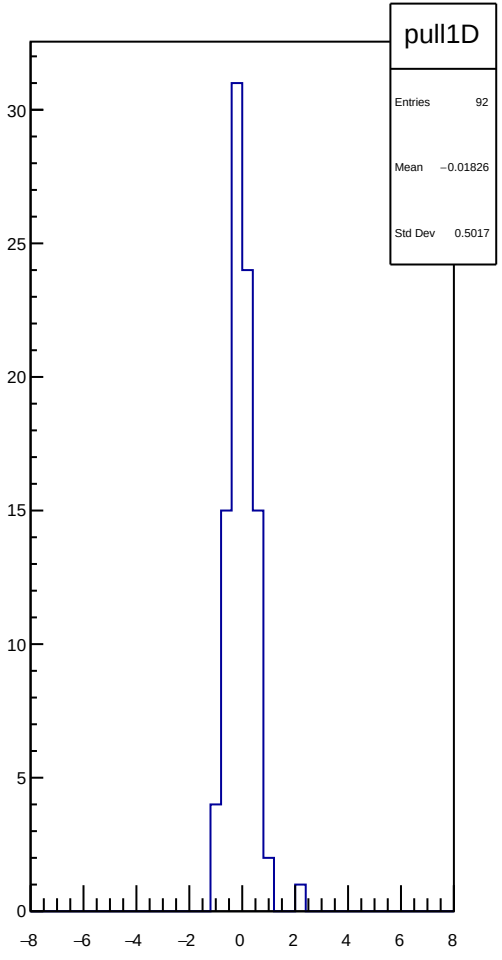

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.75 / 91
p0 45.71 ± 1.538
pull
Entries 92
Mean −433.9
Std Dev 463.7

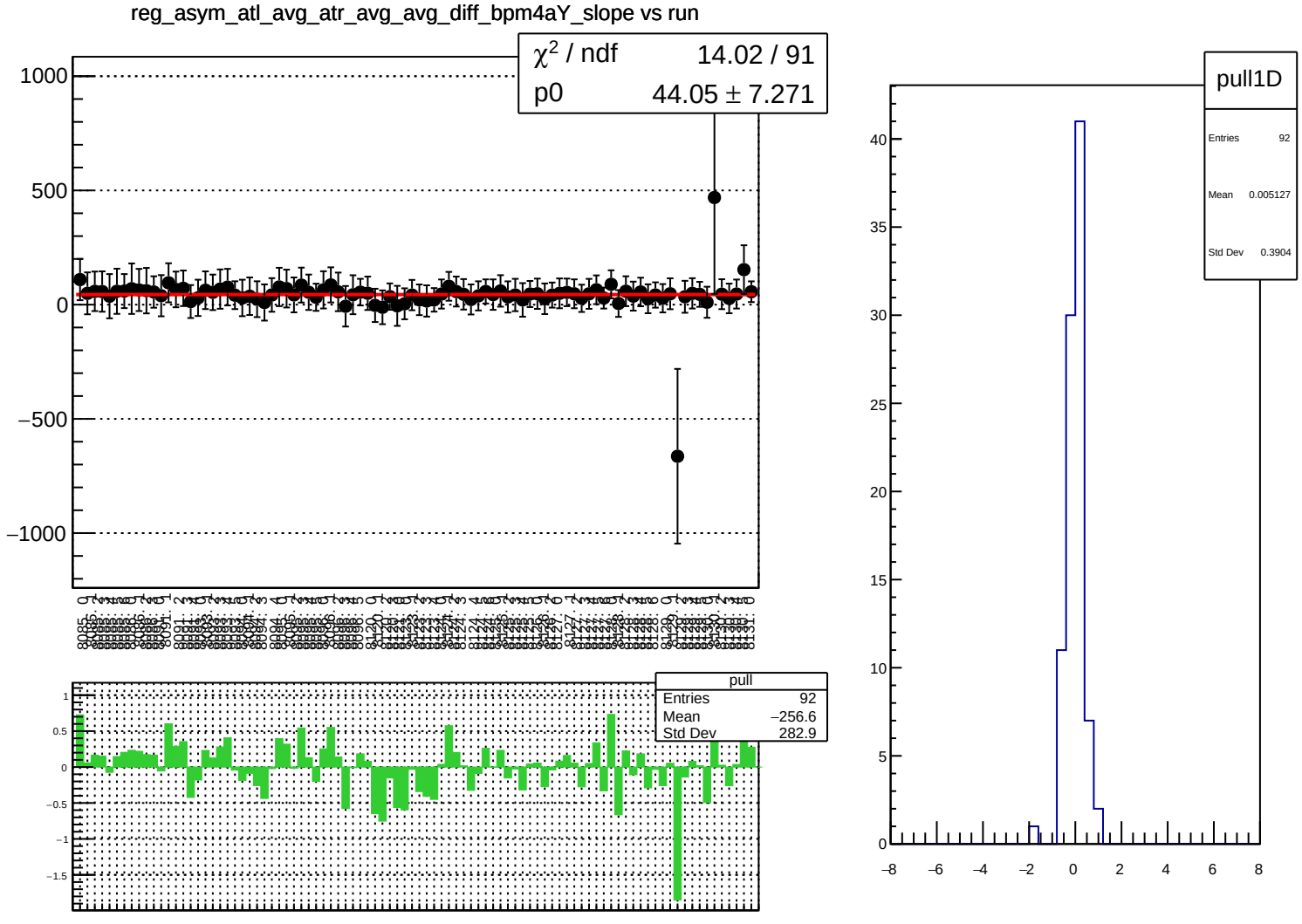

pull1D
Entries 92
Mean 0.01045
Std Dev 0.8769

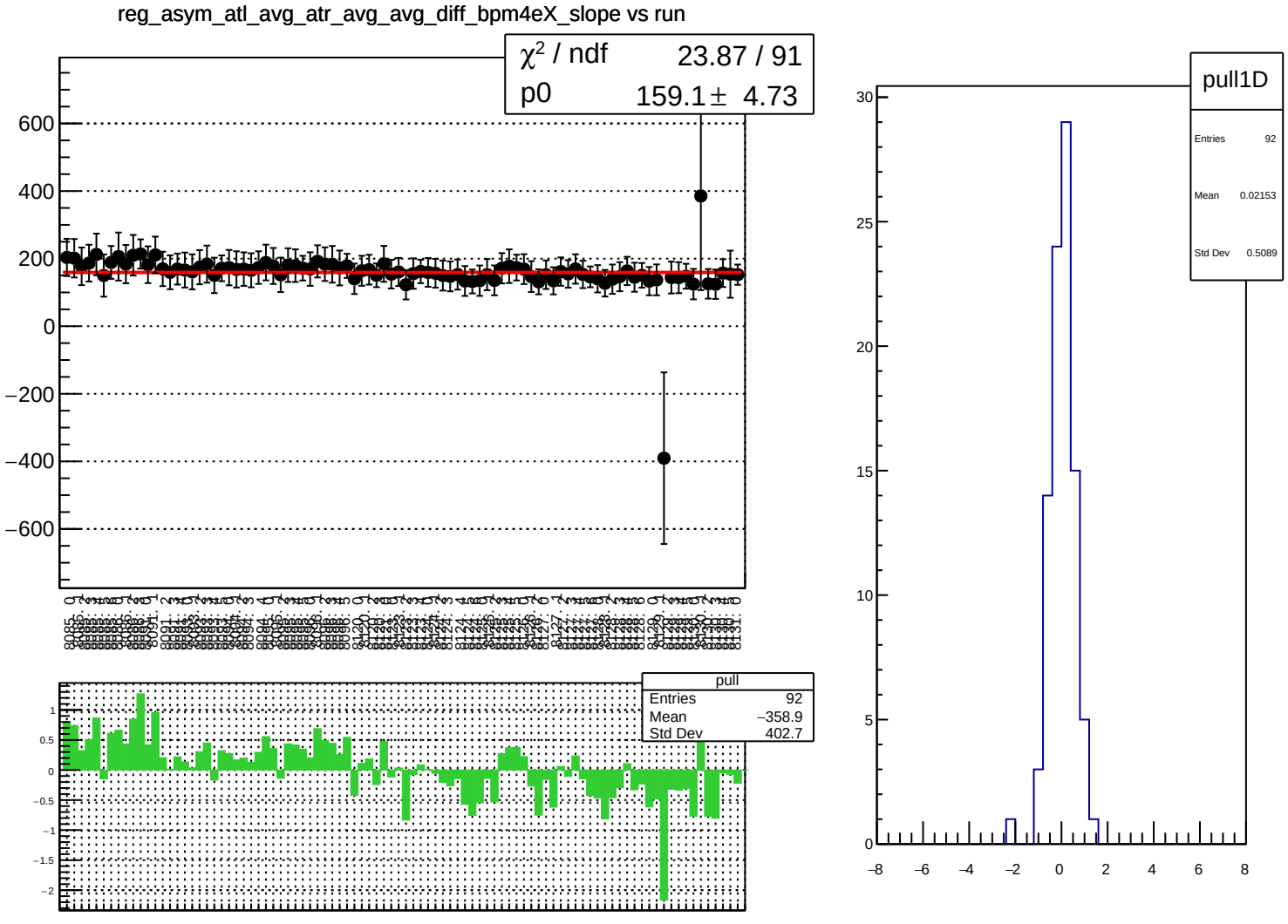

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.84 / 91
p0 −14.09 ± 2.533
1000
500
0
−500
−1000
pull
Entries 92
Mean 62.19
Std Dev 65.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.006433
Std Dev 0.765
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

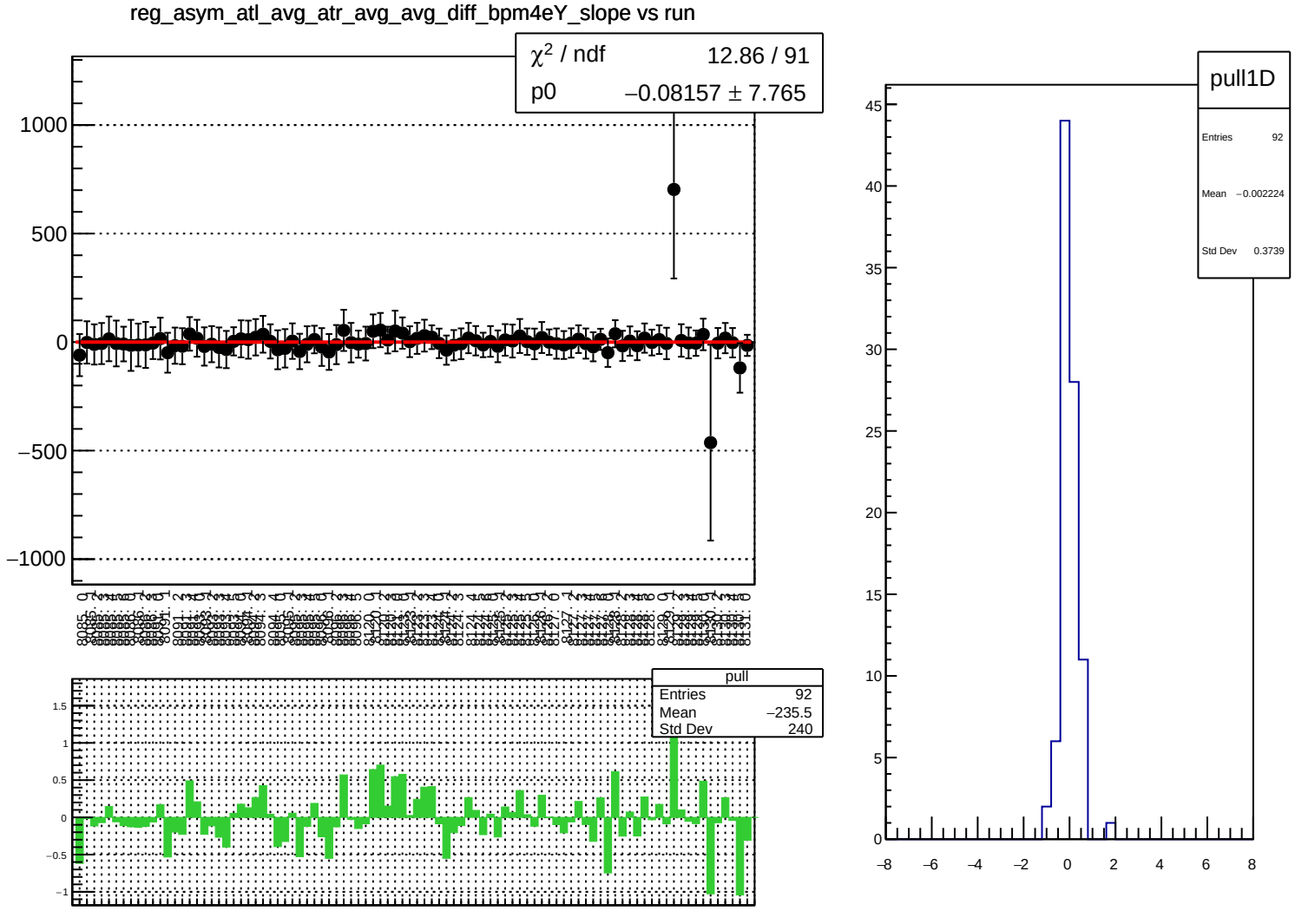

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 411.5 / 91
p0 7.9 ± 0.09666
pull
Entries 92
Mean −273.7
Std Dev 313.6
pull1D
Entries 92
Mean −0.1288
Std Dev 2.111

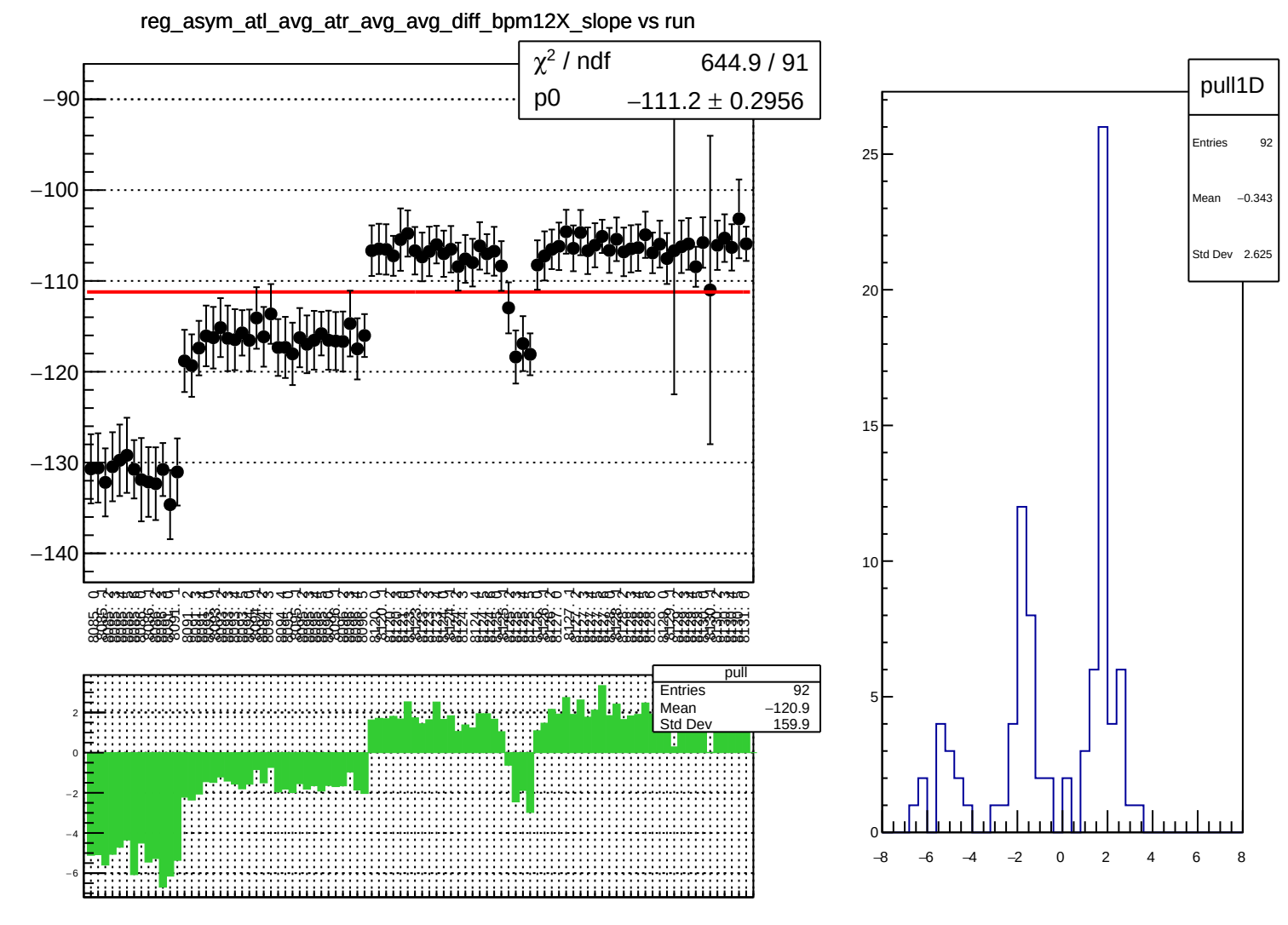

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 23.19 / 91
p0 −181.5 ± 4.984
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 92
Mean −400.2
Std Dev 444.5
2
1.5
1
0.5
0
−0.5
−1

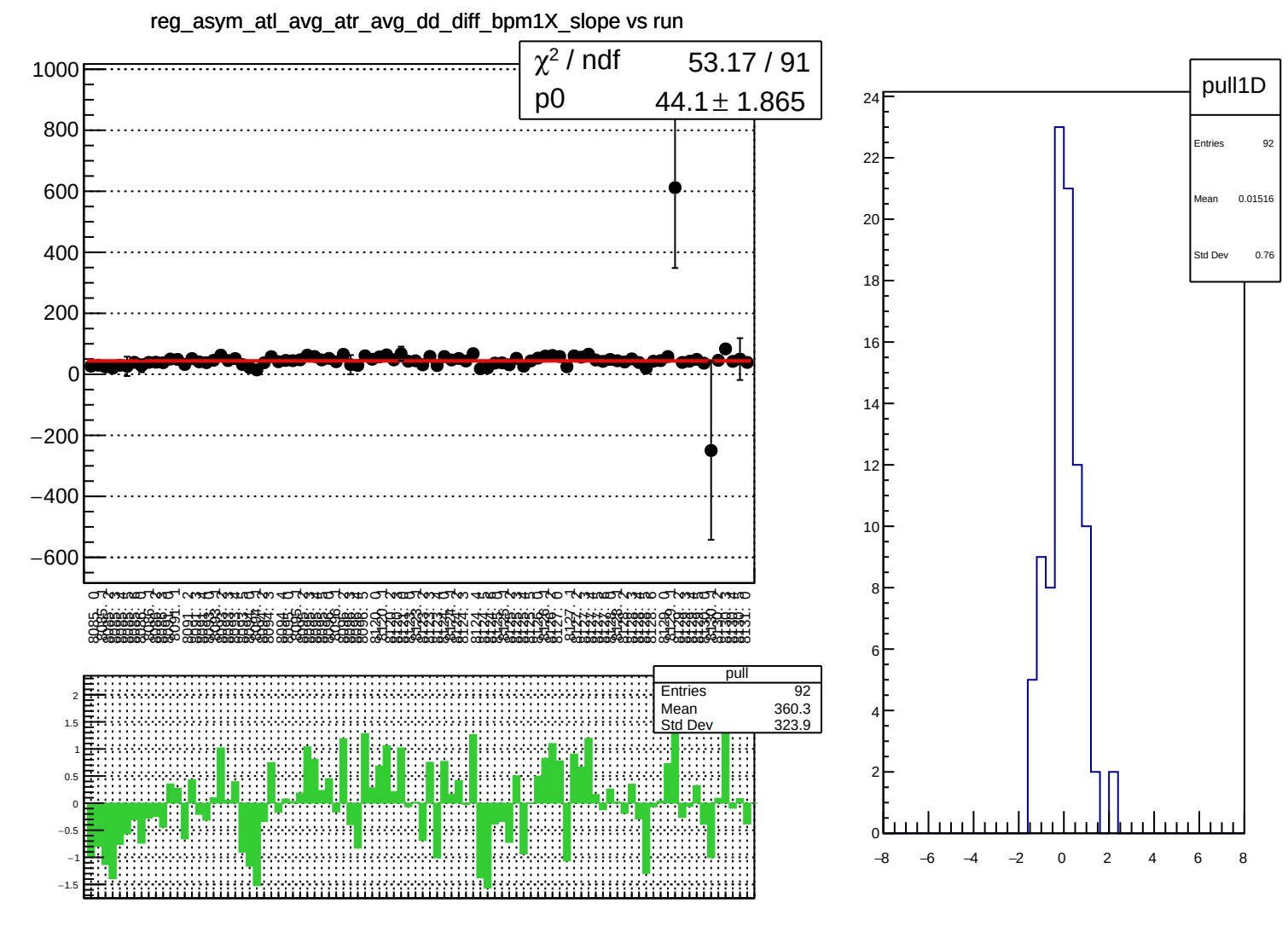

pull1D
Entries 92
Mean −0.01826
Std Dev 0.5017
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

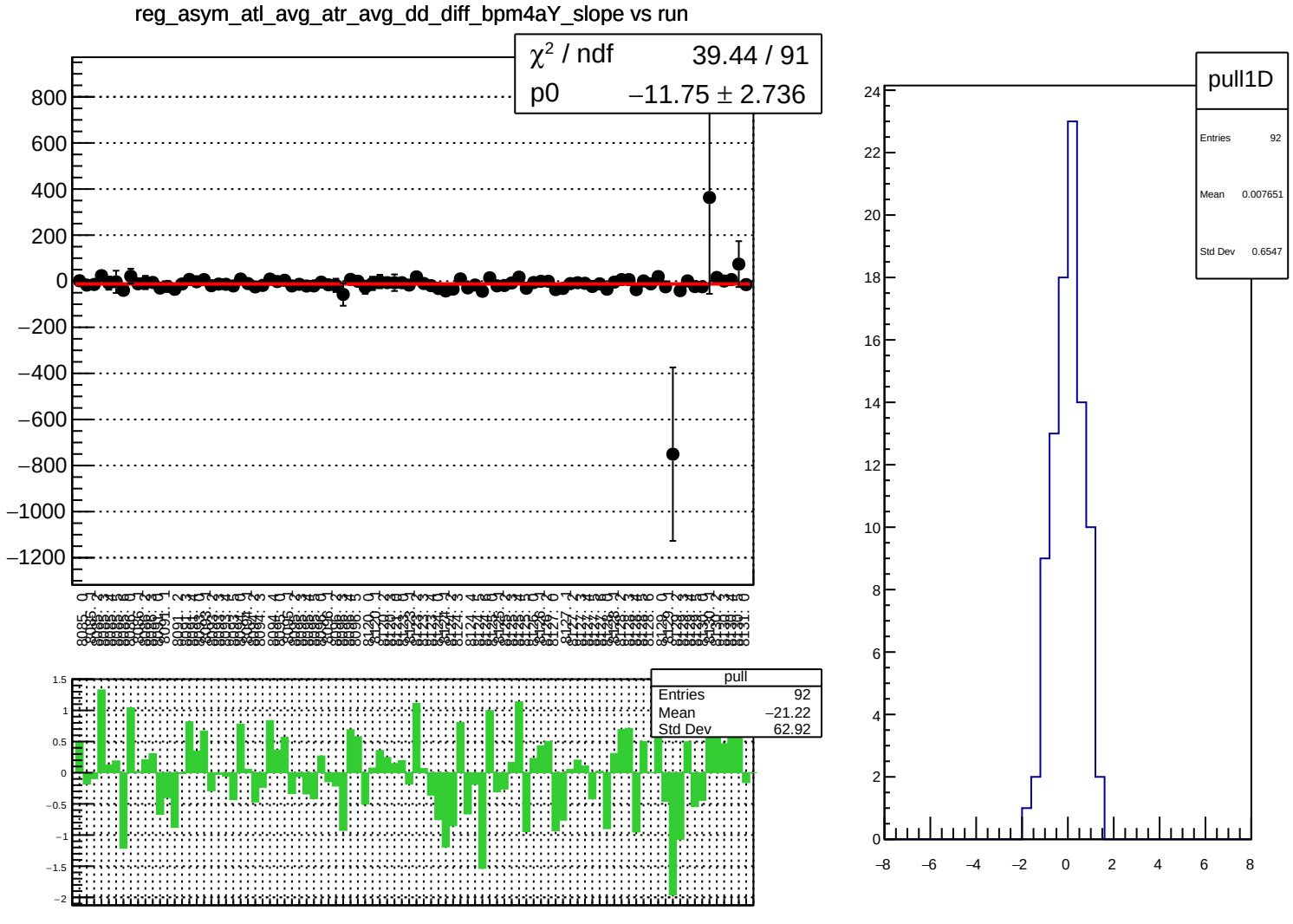

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.02 / 91
p0 44.05 ± 7.271
1000
500
0
−500
−1000
pull
Entries 92
Mean −256.6
Std Dev 282.9
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean 0.005127
Std Dev 0.3904
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

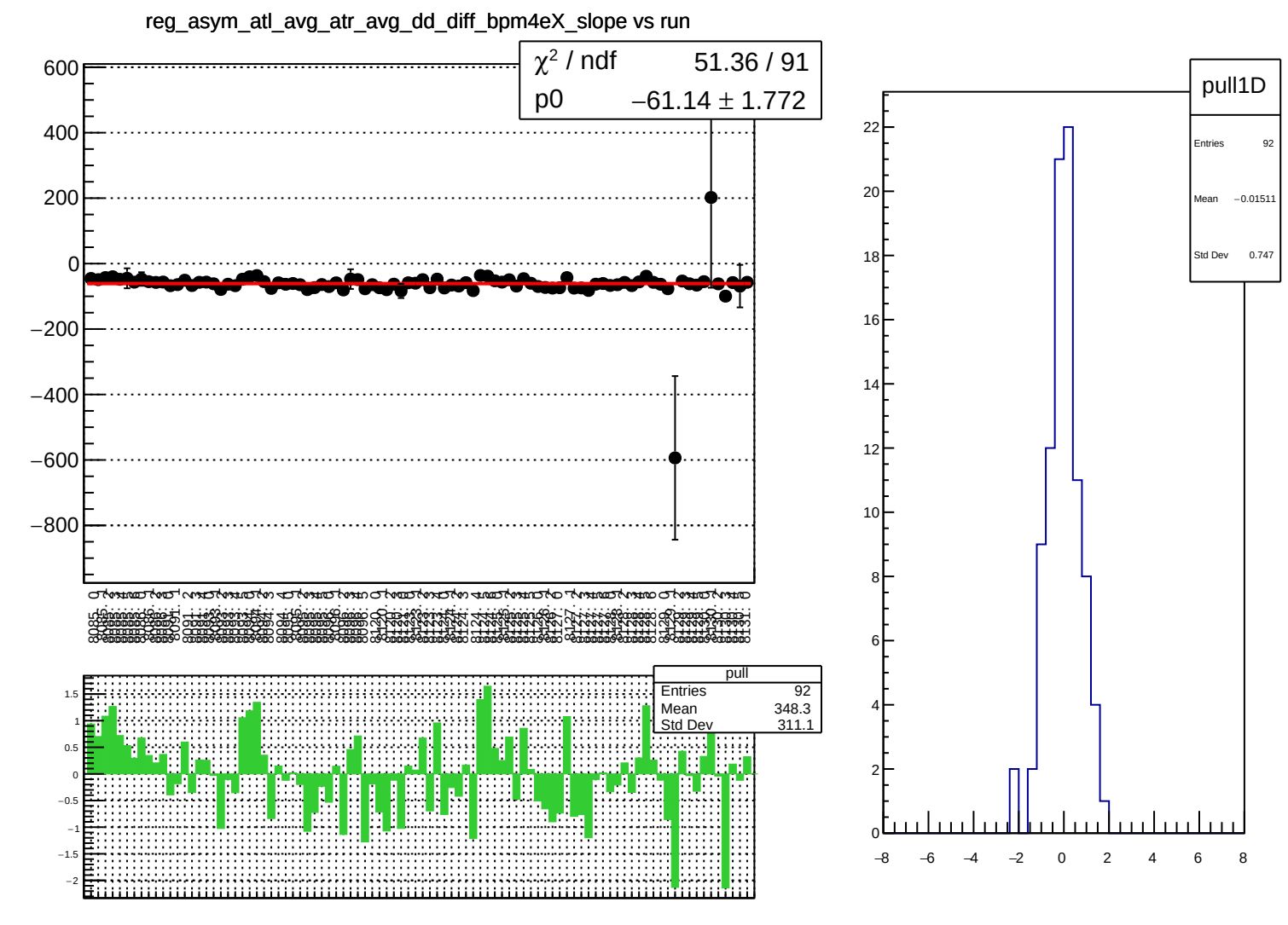

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.87 / 91
p0 159.1 ± 4.73
600
400
200
0
−200
−400
−600
pull
Entries 92
Mean −358.9
Std Dev 402.7
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.02153
Std Dev 0.5089
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

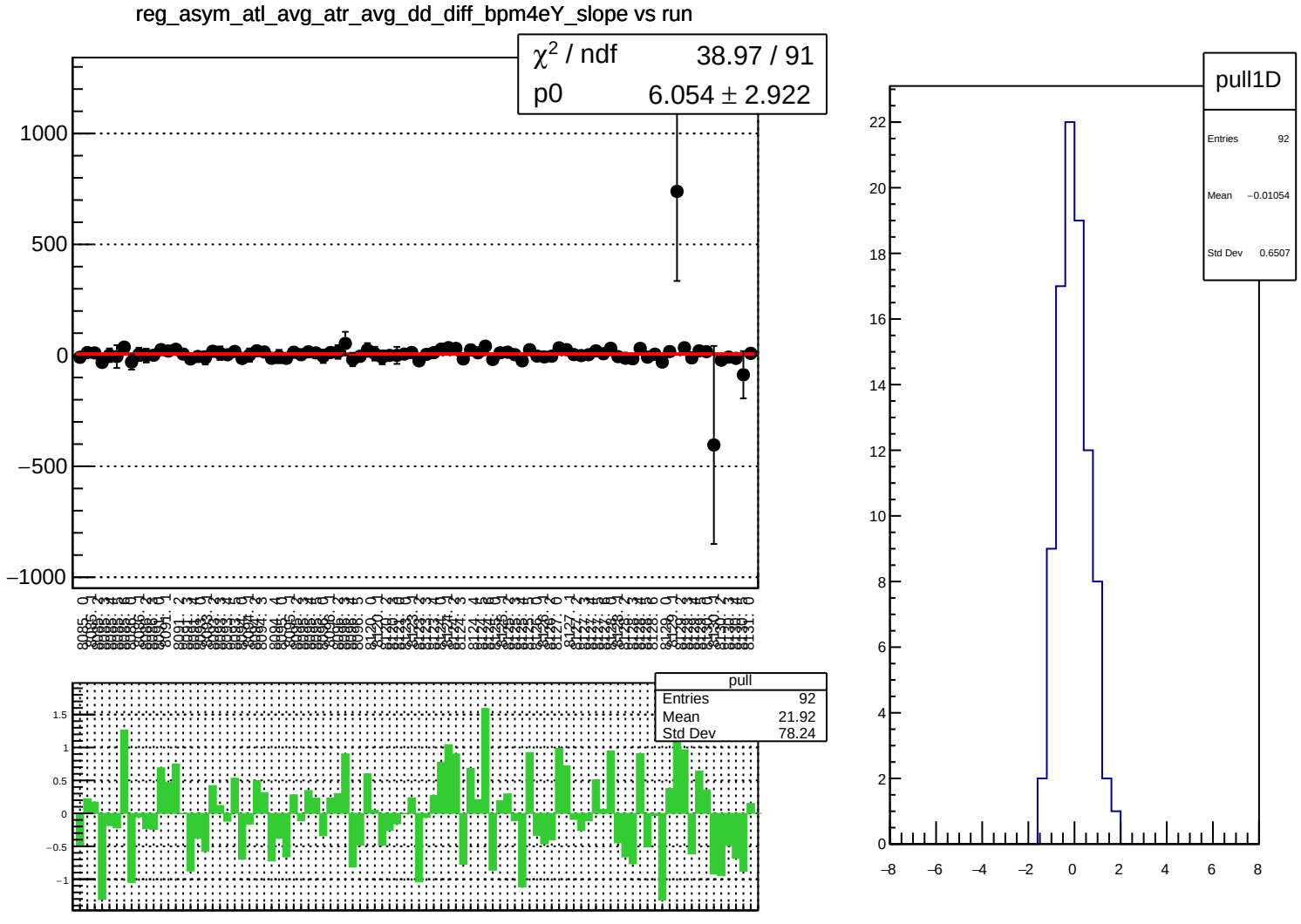

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.86 / 91
p0 −0.08157 ± 7.765
1000
500
0
−500
−1000
pull
Entries 92
Mean −235.5
Std Dev 240
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean −0.002224
Std Dev 0.3739
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

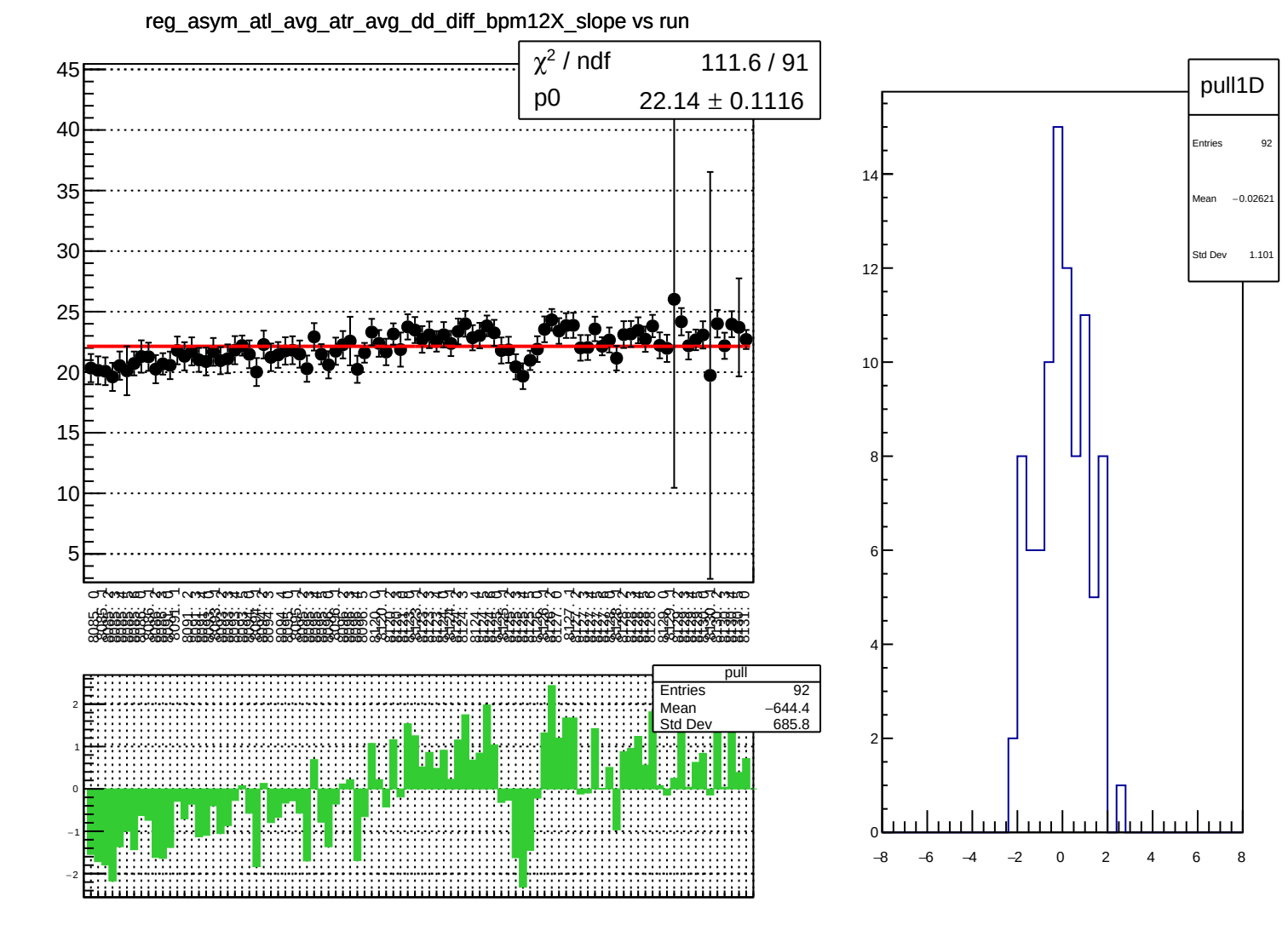

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 644.9 / 91
p0 −111.2 ± 0.2956
−90
−100
−110
−120
−130
−140
pull
Entries 92
Mean −120.9
Std Dev 159.9
2
0
−2
−4
−6
pull1D
Entries 92
Mean −0.343
Std Dev 2.625
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

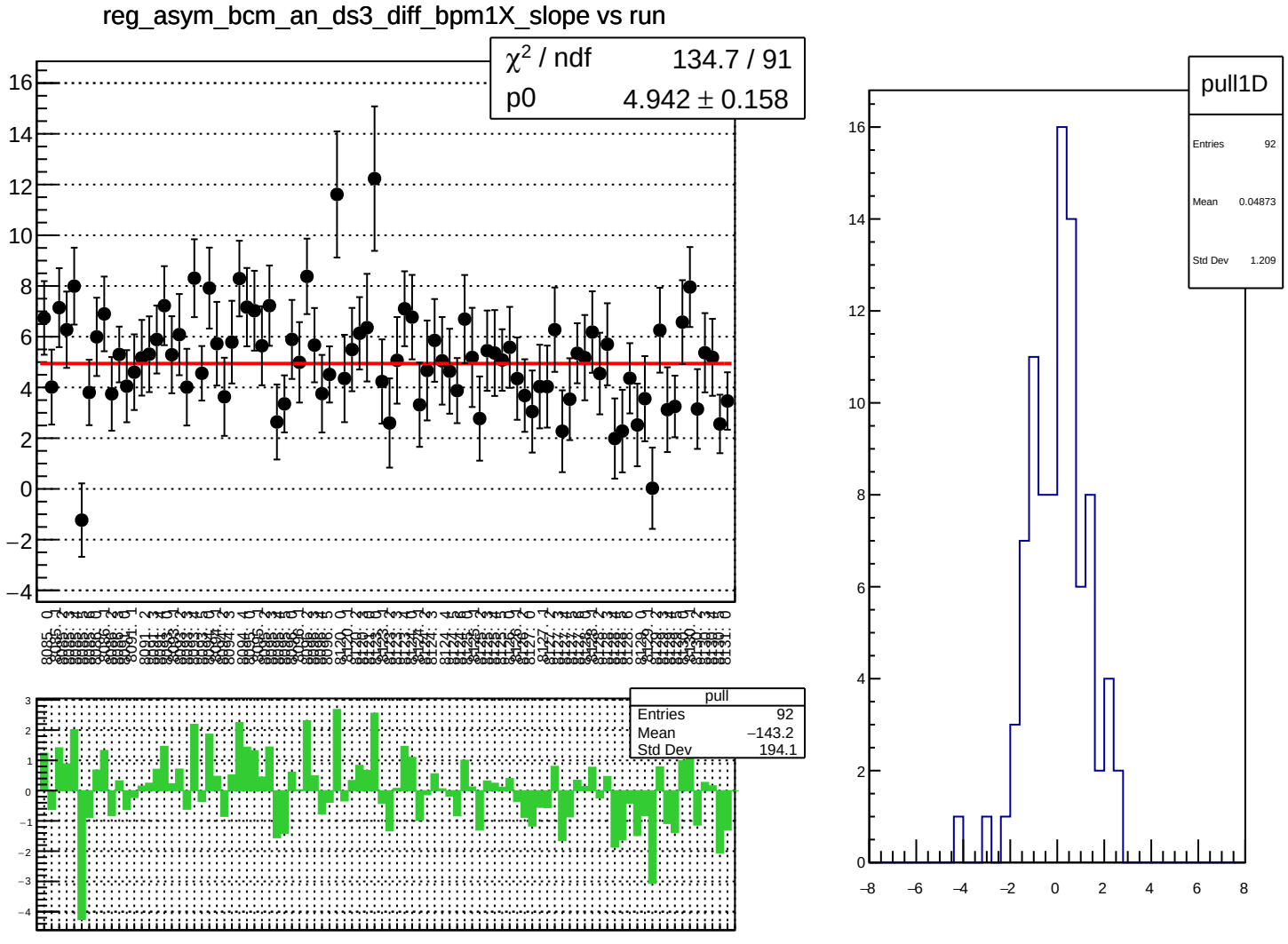

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 53.17 / 91
p0 44.1 ± 1.865
pull
Entries 92
Mean 360.3
Std Dev 323.9
pull1D
Entries 92
Mean 0.01516
Std Dev 0.76

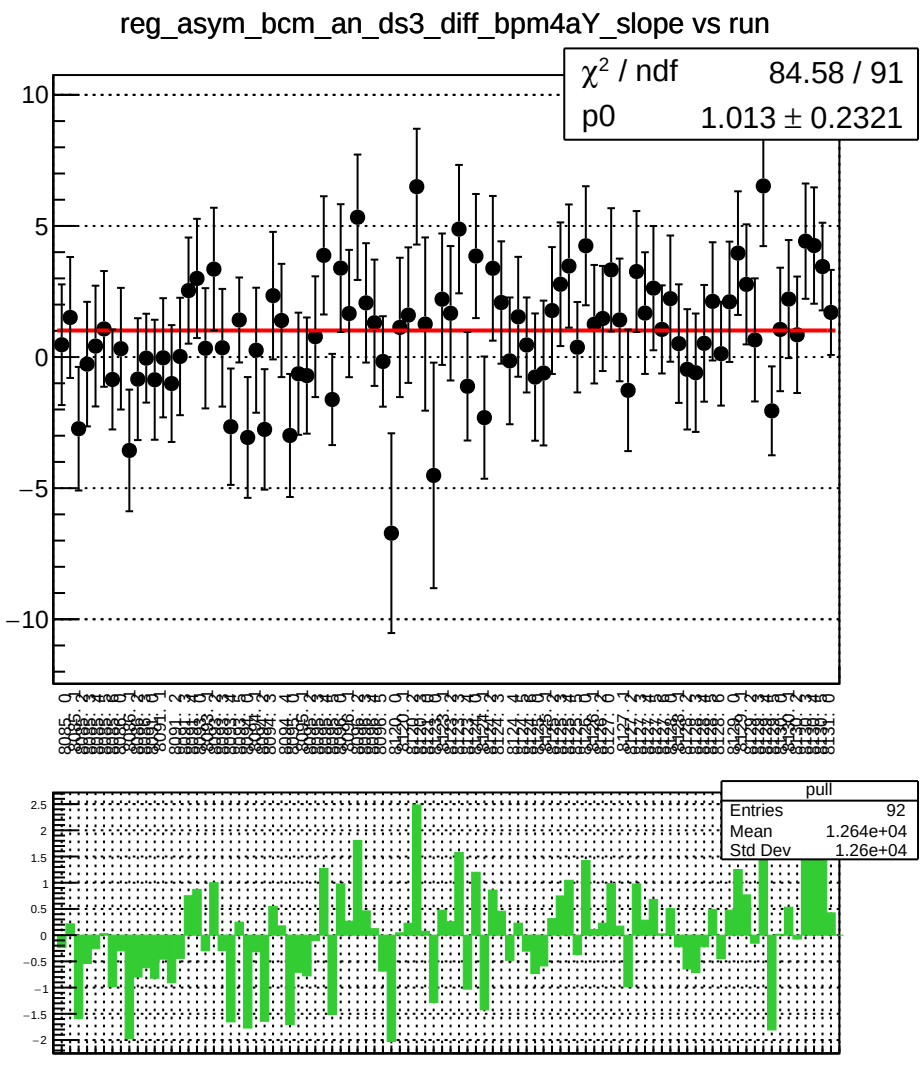

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.44 / 91
p0 −11.75 ± 2.736
pull
Entries 92
Mean −21.22
Std Dev 62.92
pull1D
Entries 92
Mean 0.007651
Std Dev 0.6547

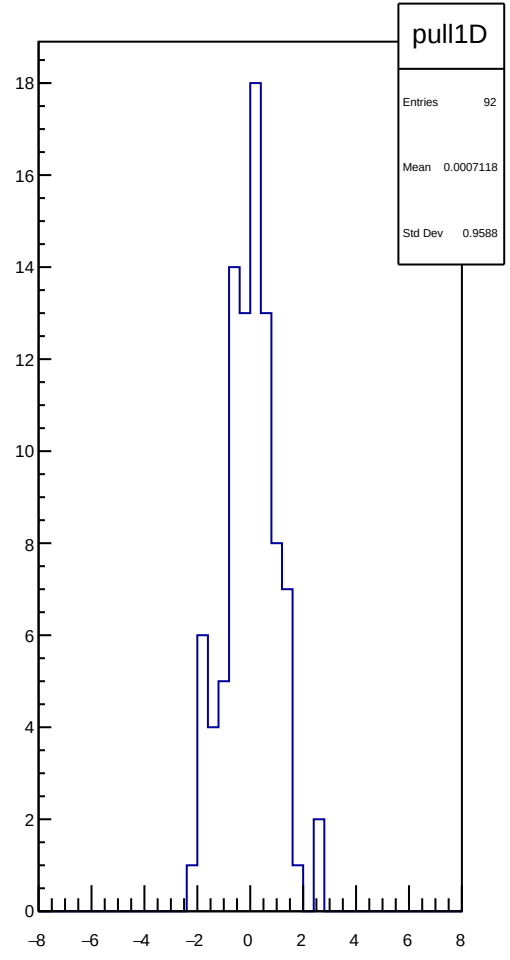

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.36 / 91
p0 −61.14 ± 1.772
pull
Entries 92
Mean 348.3
Std Dev 311.1
pull1D
Entries 92
Mean −0.01511
Std Dev 0.747

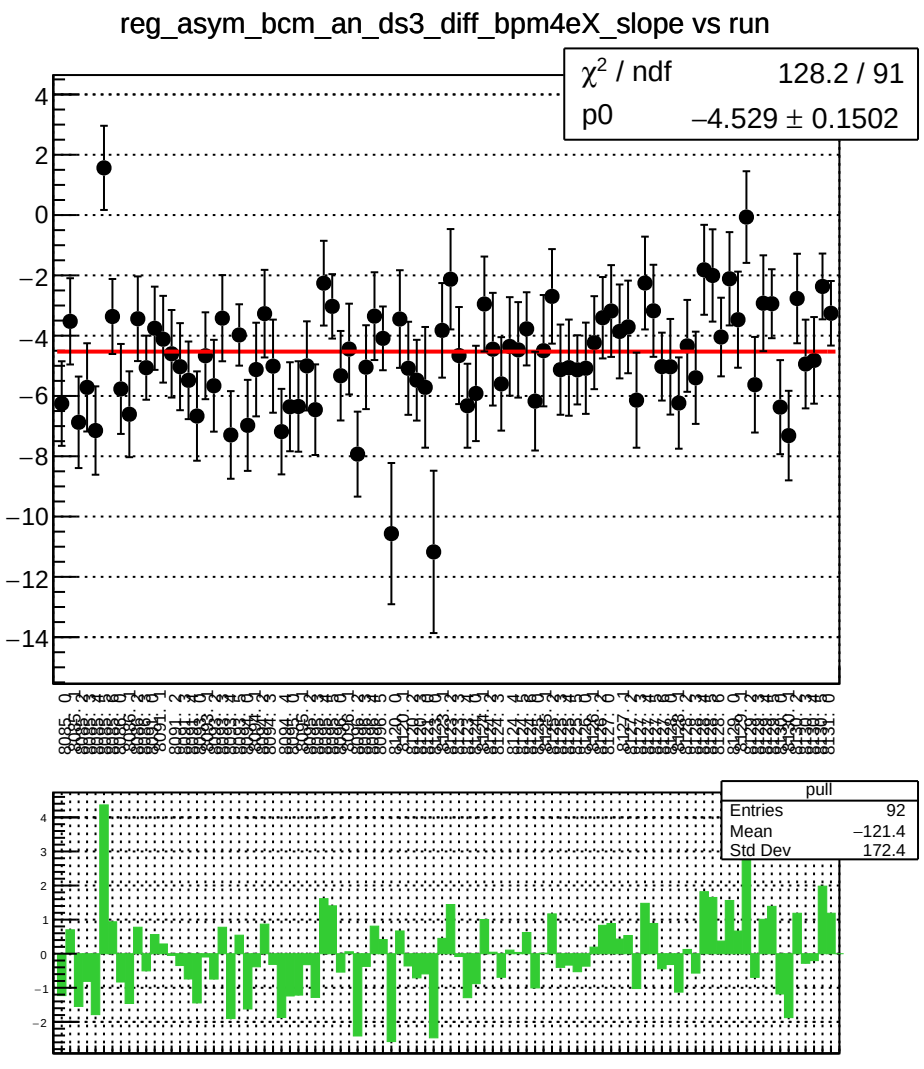

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.97 / 91
p0 6.054 ± 2.922
1000
500
0
−500
−1000
pull
Entries 92
Mean 21.92
Std Dev 78.24
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean −0.01054
Std Dev 0.6507
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

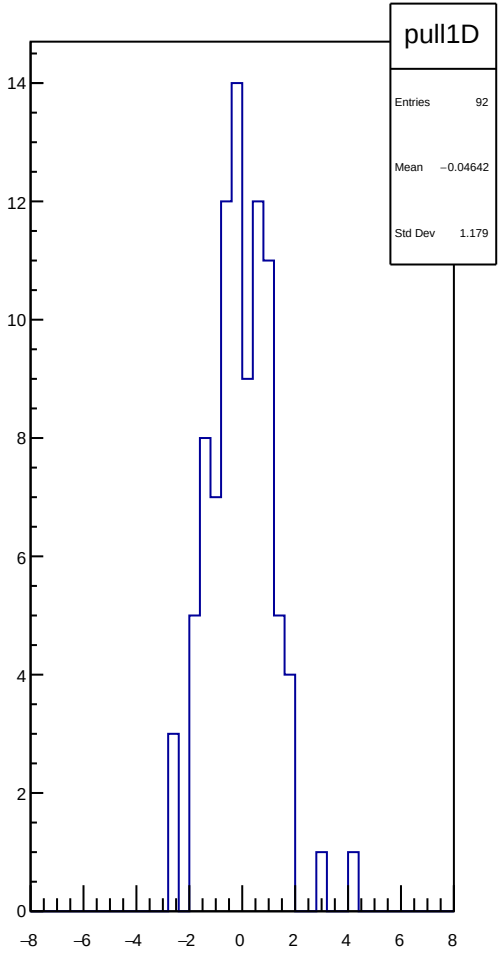

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 111.6 / 91
p0 22.14 ± 0.1116
pull
Entries 92
Mean −644.4
Std Dev 685.8
pull1D
Entries 92
Mean −0.02621
Std Dev 1.101

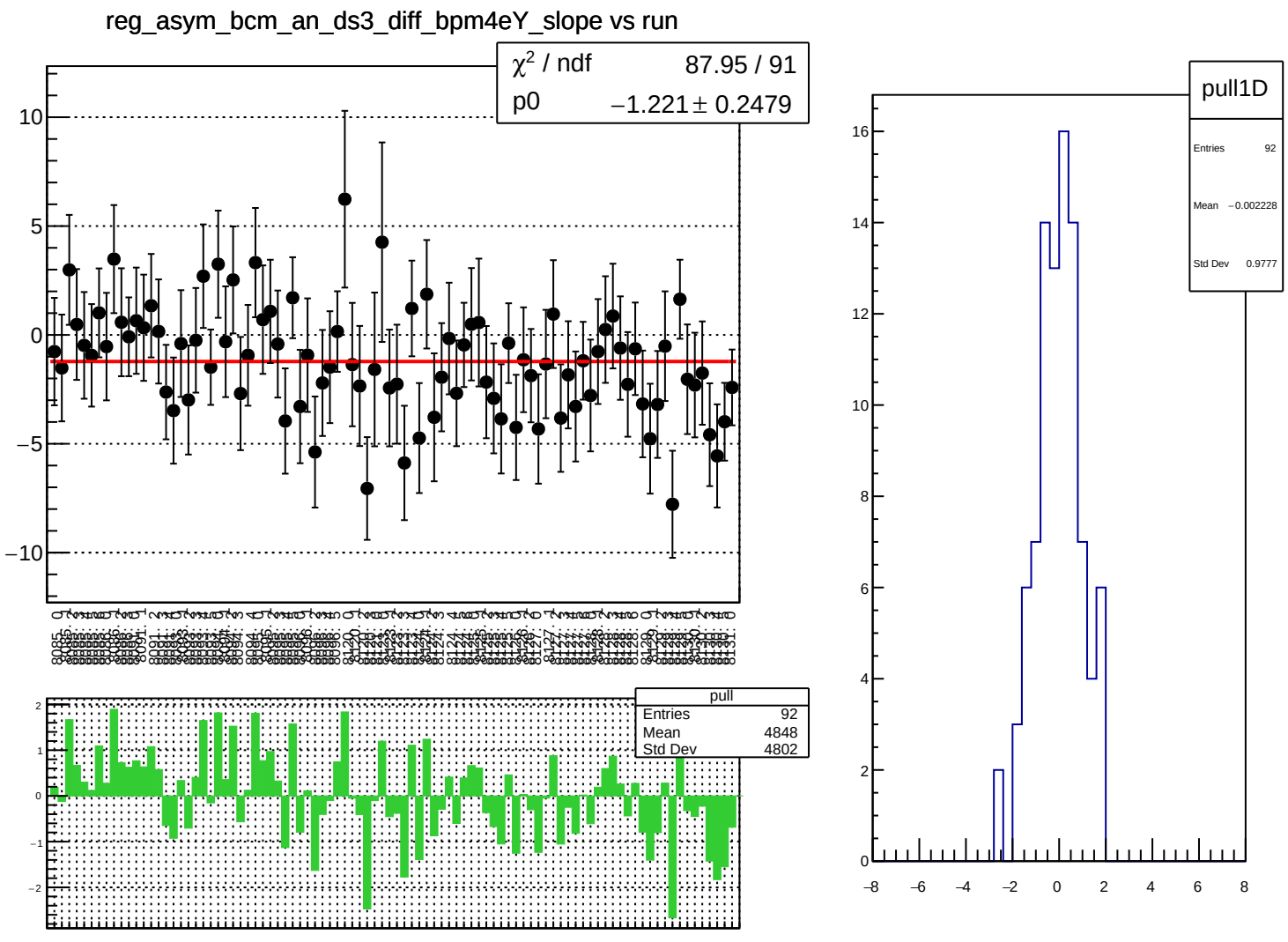

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 134.7 / 91
p0 4.942 ± 0.158
pull
Entries 92
Mean −143.2
Std Dev 194.1
pull1D
Entries 92
Mean 0.04873
Std Dev 1.209

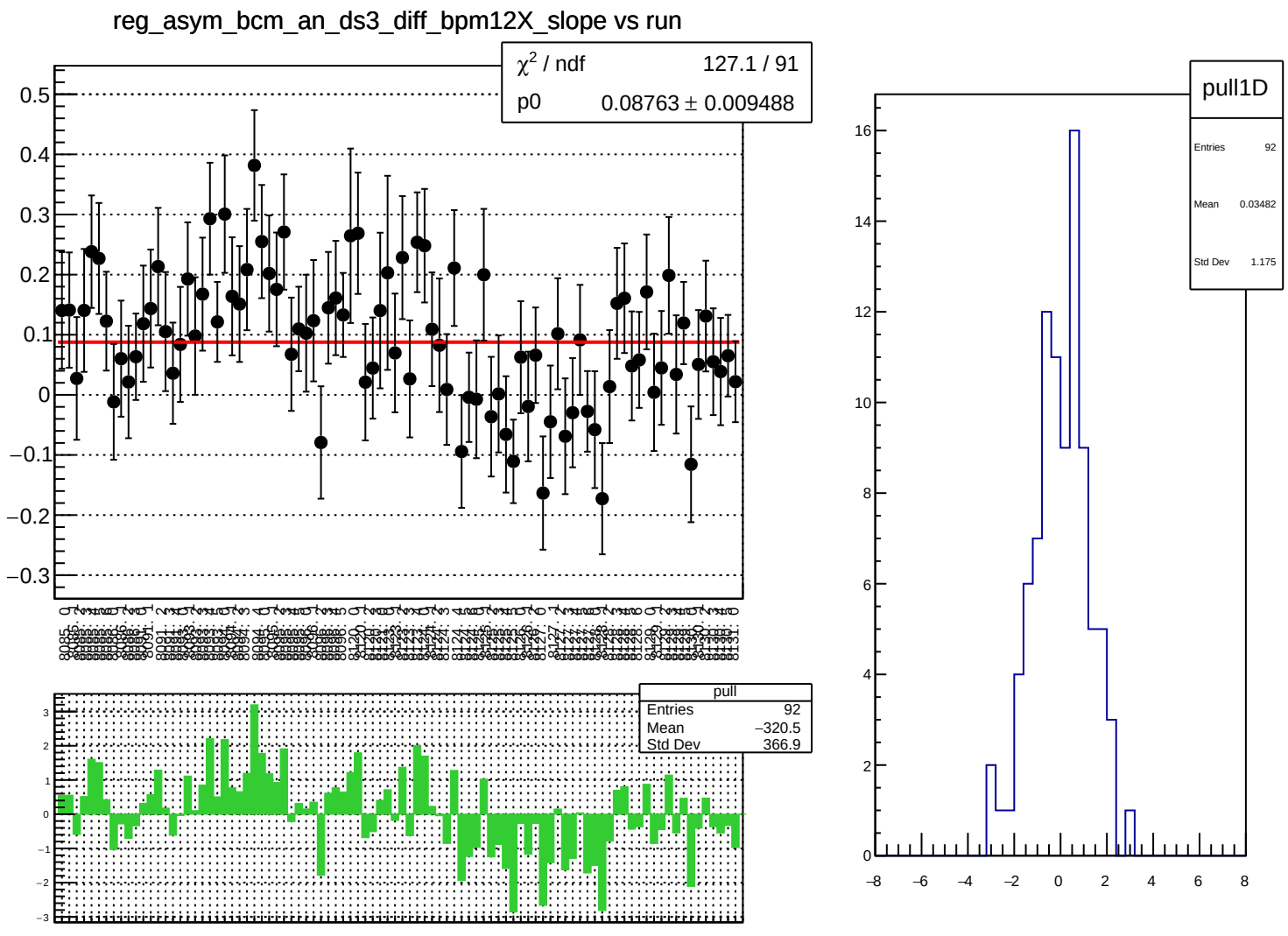

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 84.58 / 91
p0 1.013 ± 0.2321
pull
Entries 92
Mean 1.264e+04
Std Dev 1.26e+04

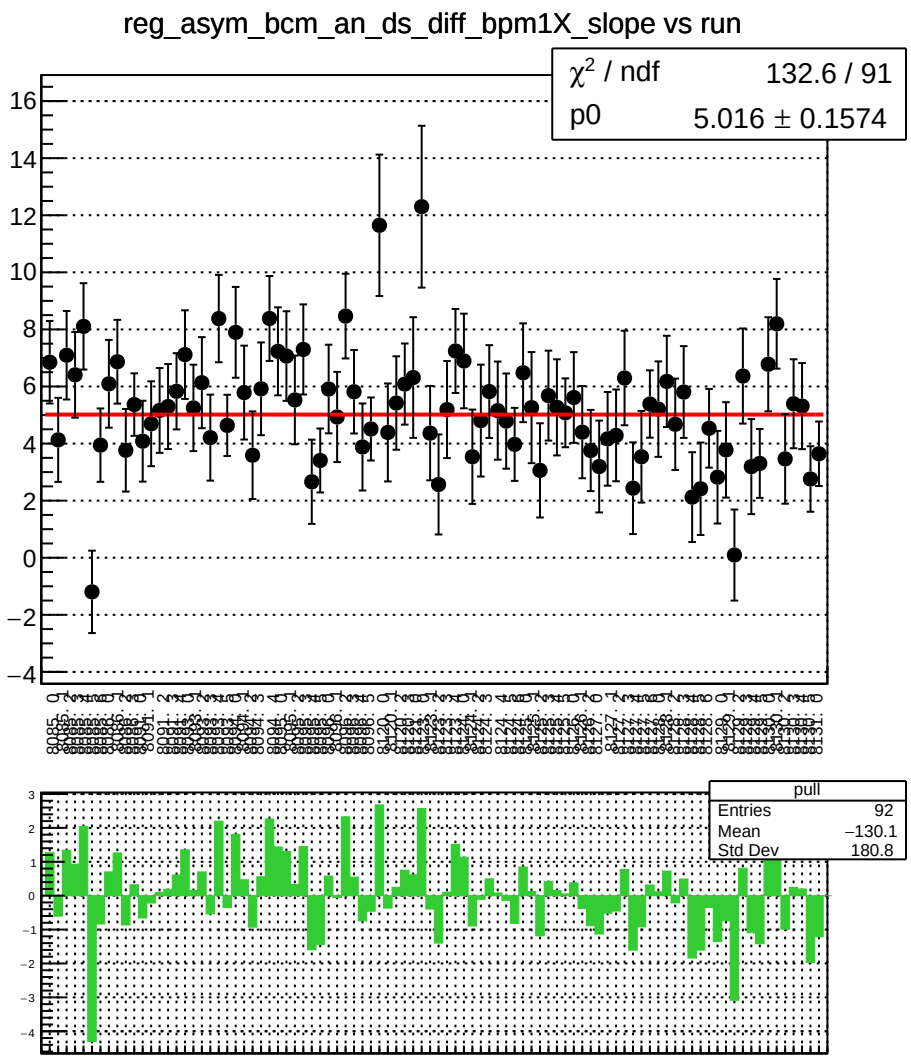

pull1D
Entries 92
Mean 0.0007118
Std Dev 0.9588

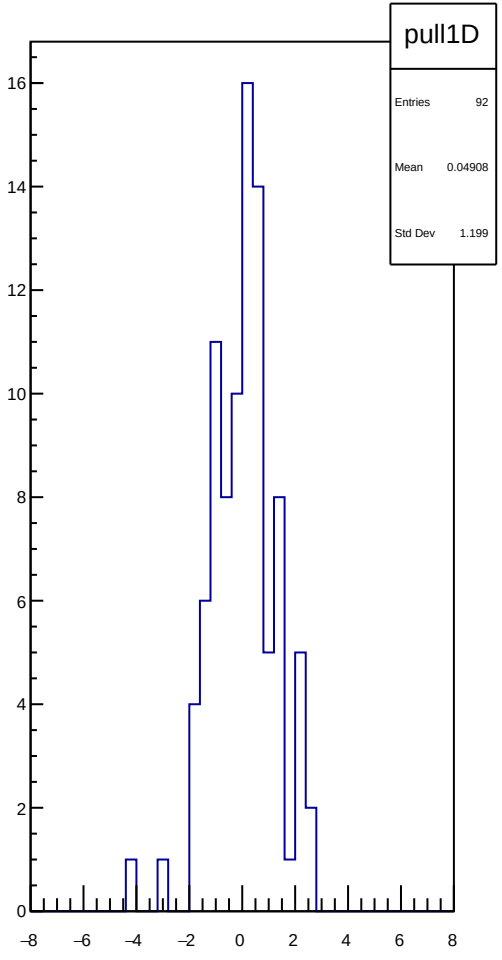

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 128.2 / 91
p0 −4.529 ± 0.1502
pull
Entries 92
Mean −121.4
Std Dev 172.4

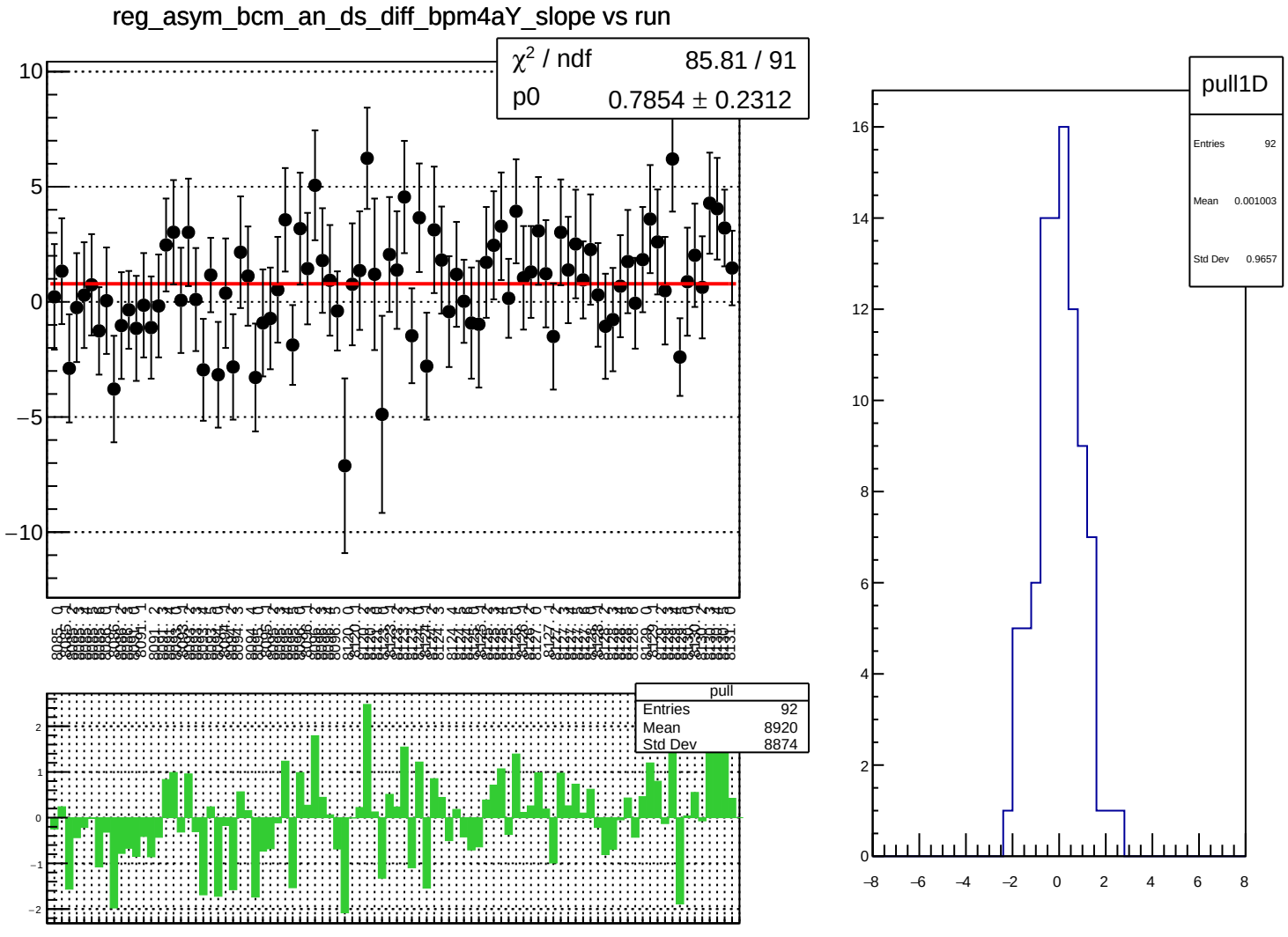

pull1D
Entries 92
Mean −0.04642
Std Dev 1.179

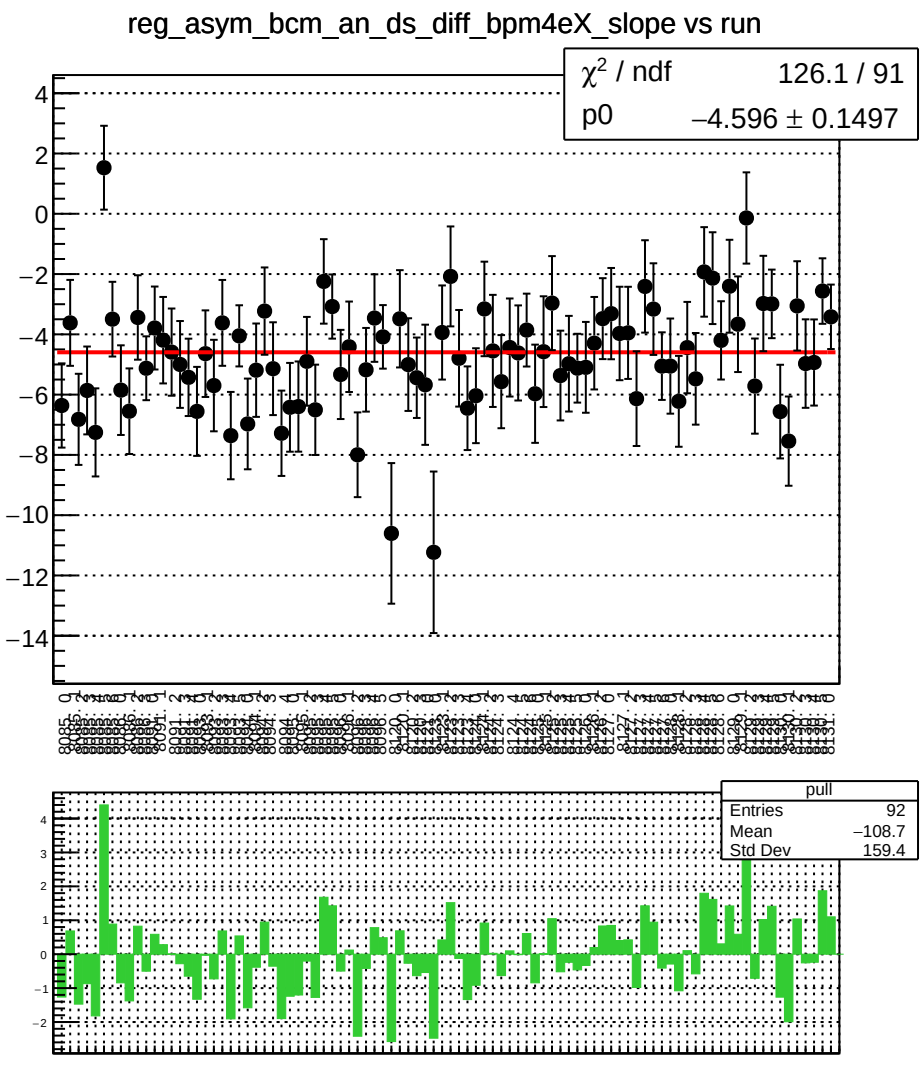

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 87.95 / 91
p0 −1.221 ± 0.2479
pull
Entries 92
Mean 4848
Std Dev 4802
pull1D
Entries 92
Mean −0.002228
Std Dev 0.9777

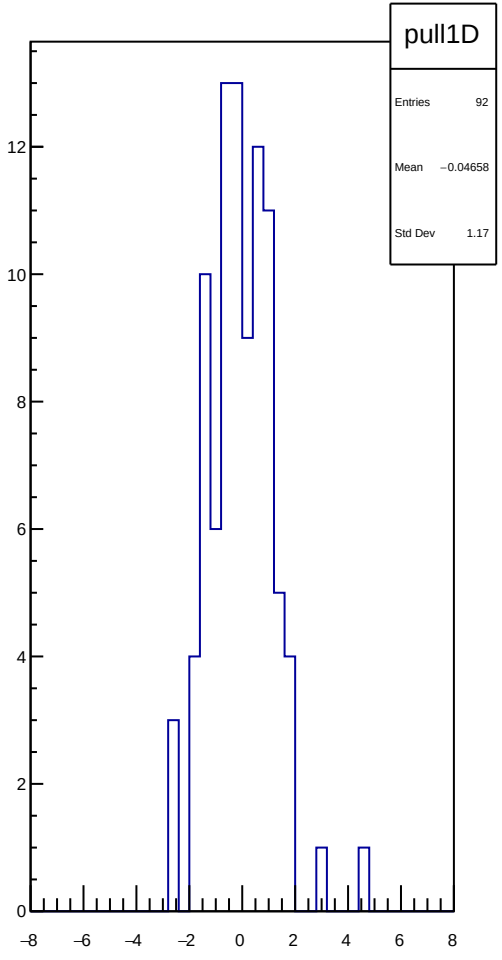

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 127.1 / 91
p0 0.08763 ± 0.009488
pull
Entries 92
Mean −320.5
Std Dev 366.9
pull1D
Entries 92
Mean 0.03482
Std Dev 1.175

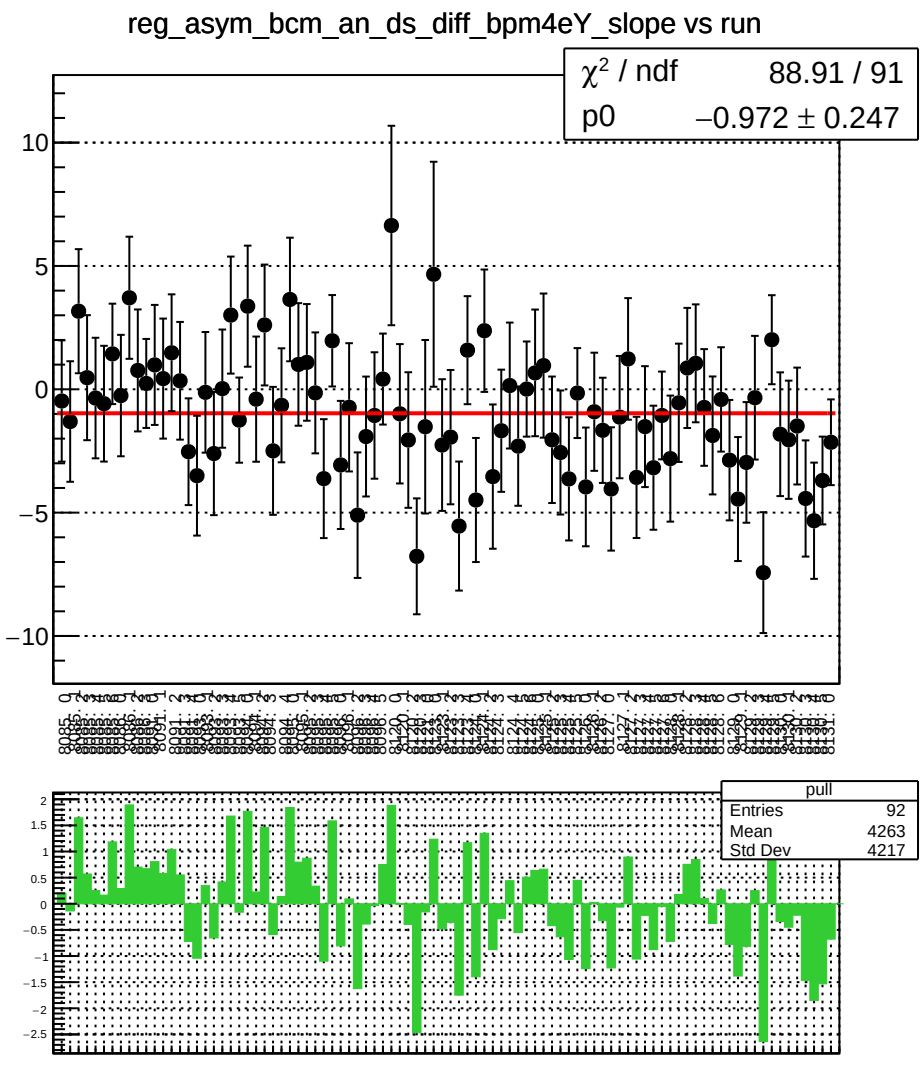

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 132.6 / 91
p0 5.016 ± 0.1574
pull
Entries 92
Mean −130.1
Std Dev 180.8

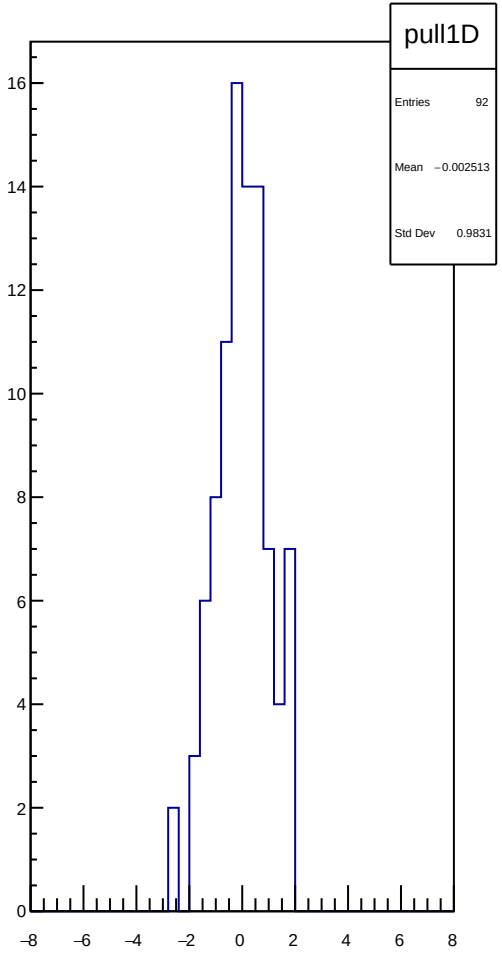

pull1D
Entries 92
Mean 0.04908
Std Dev 1.199

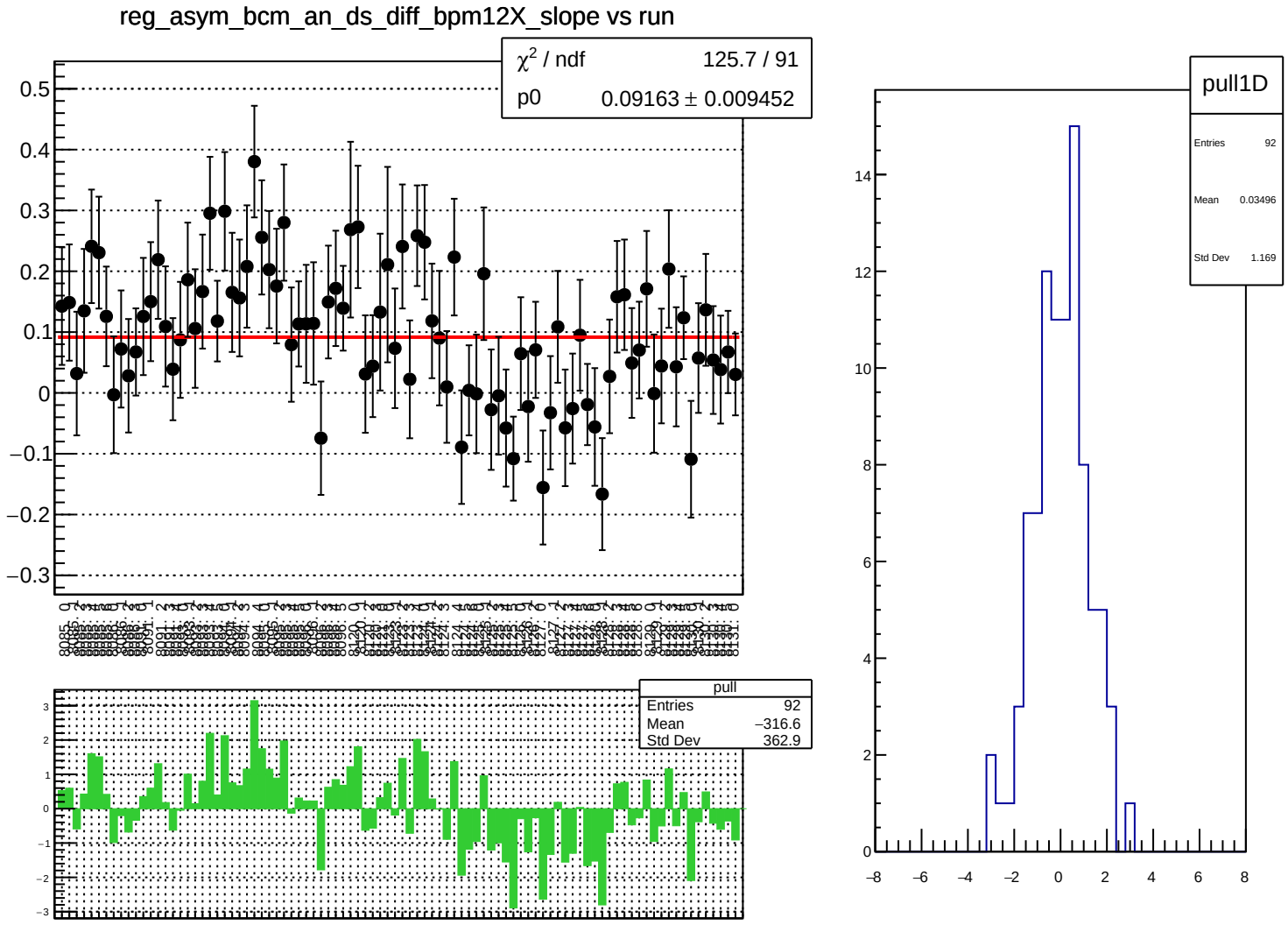

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 85.81 / 91
p0 0.7854 ± 0.2312
pull
Entries 92
Mean 8920
Std Dev 8874
pull1D
Entries 92
Mean 0.001003
Std Dev 0.9657

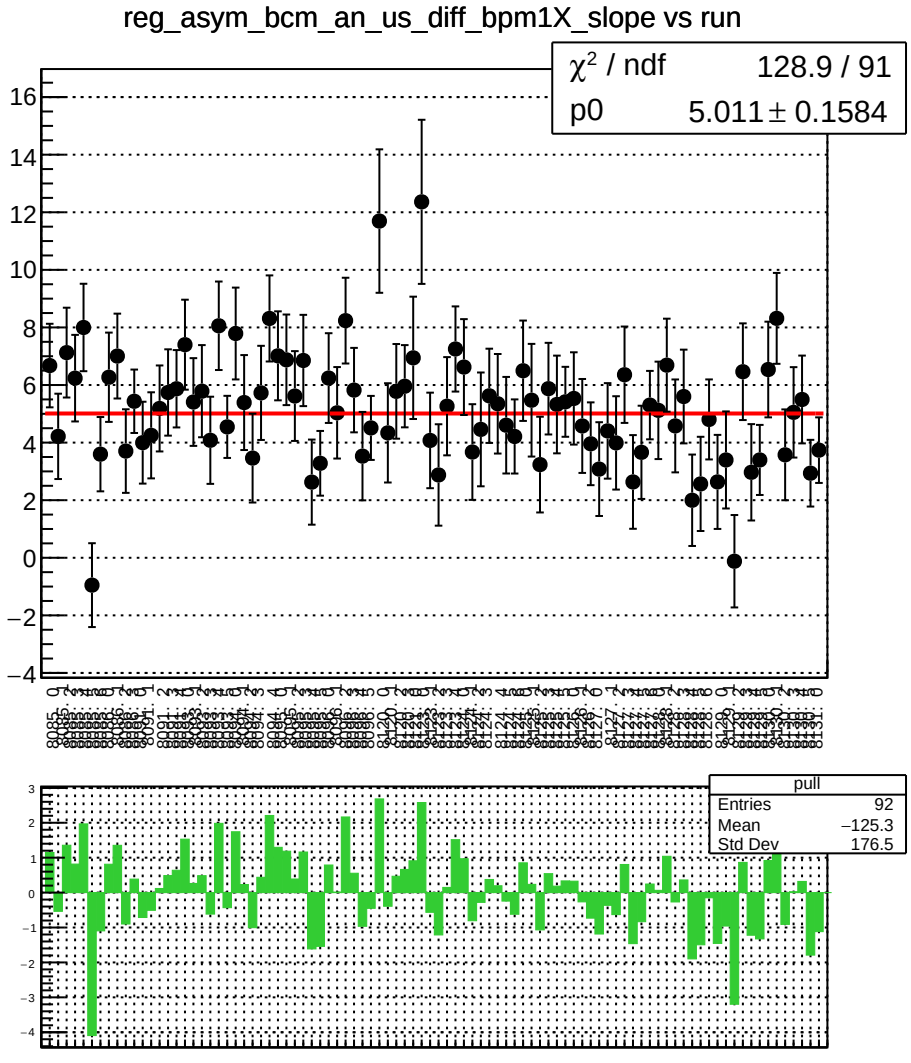

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 126.1 / 91
p0 −4.596 ± 0.1497
pull
Entries 92
Mean −108.7
Std Dev 159.4

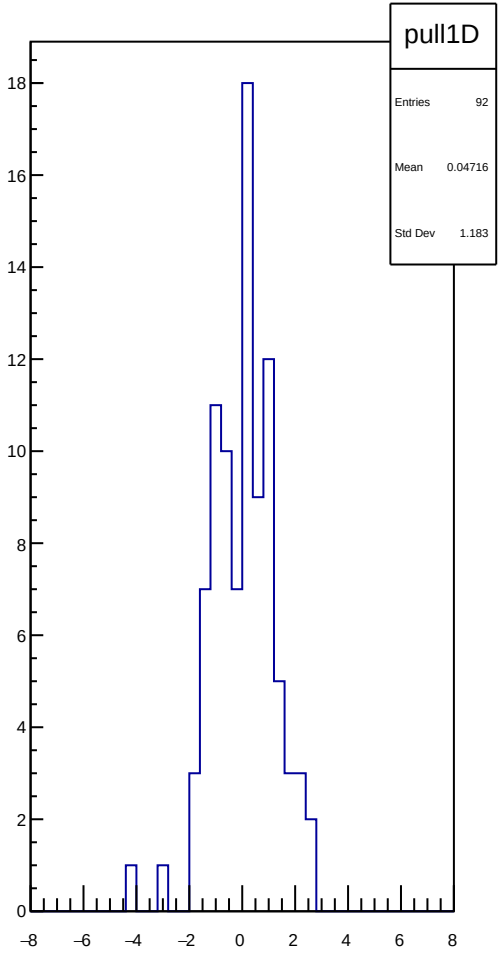

pull1D
Entries 92
Mean −0.04658
Std Dev 1.17

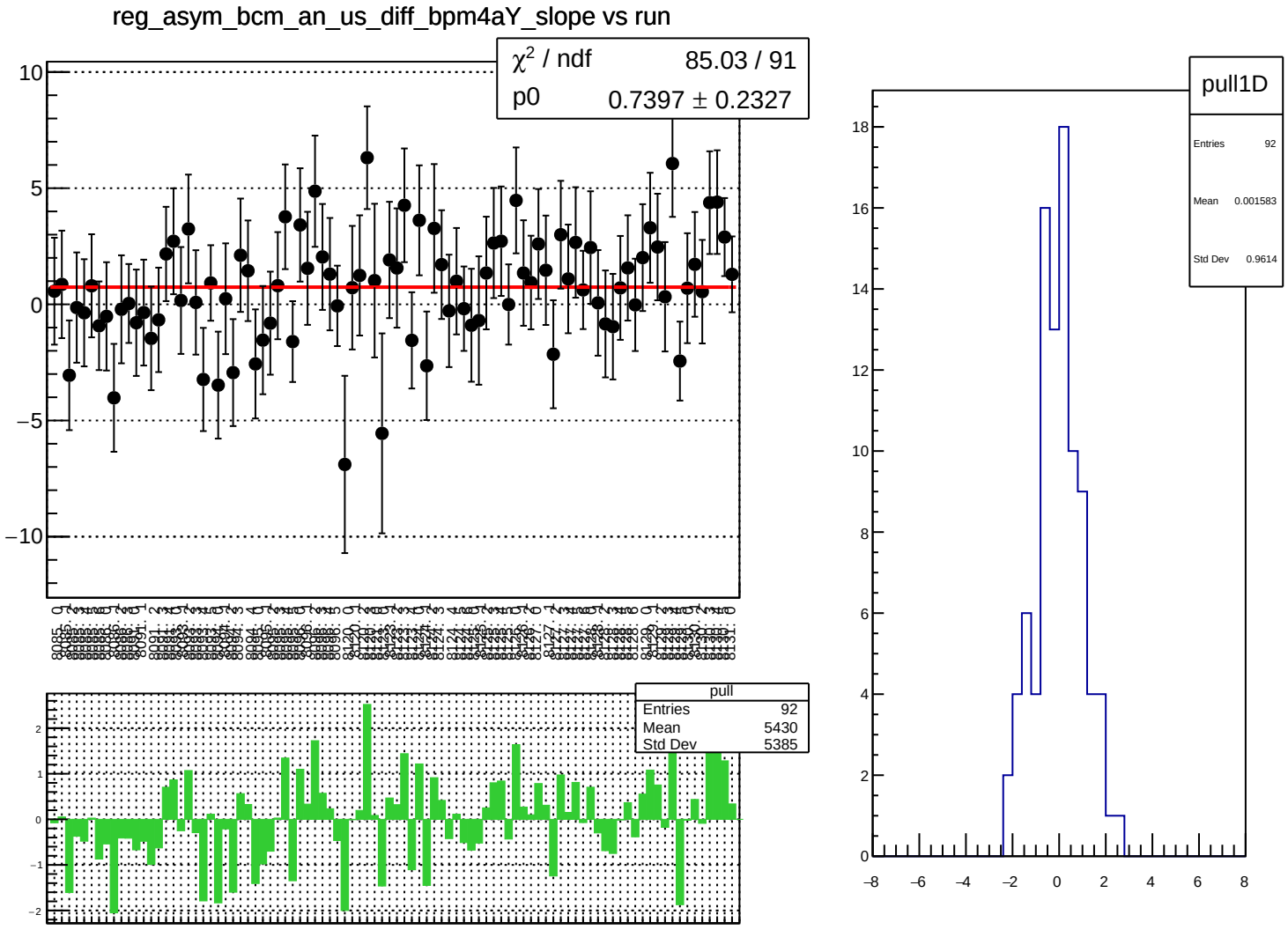

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 88.91 / 91
p0 −0.972 ± 0.247
pull
Entries 92
Mean 4263
Std Dev 4217

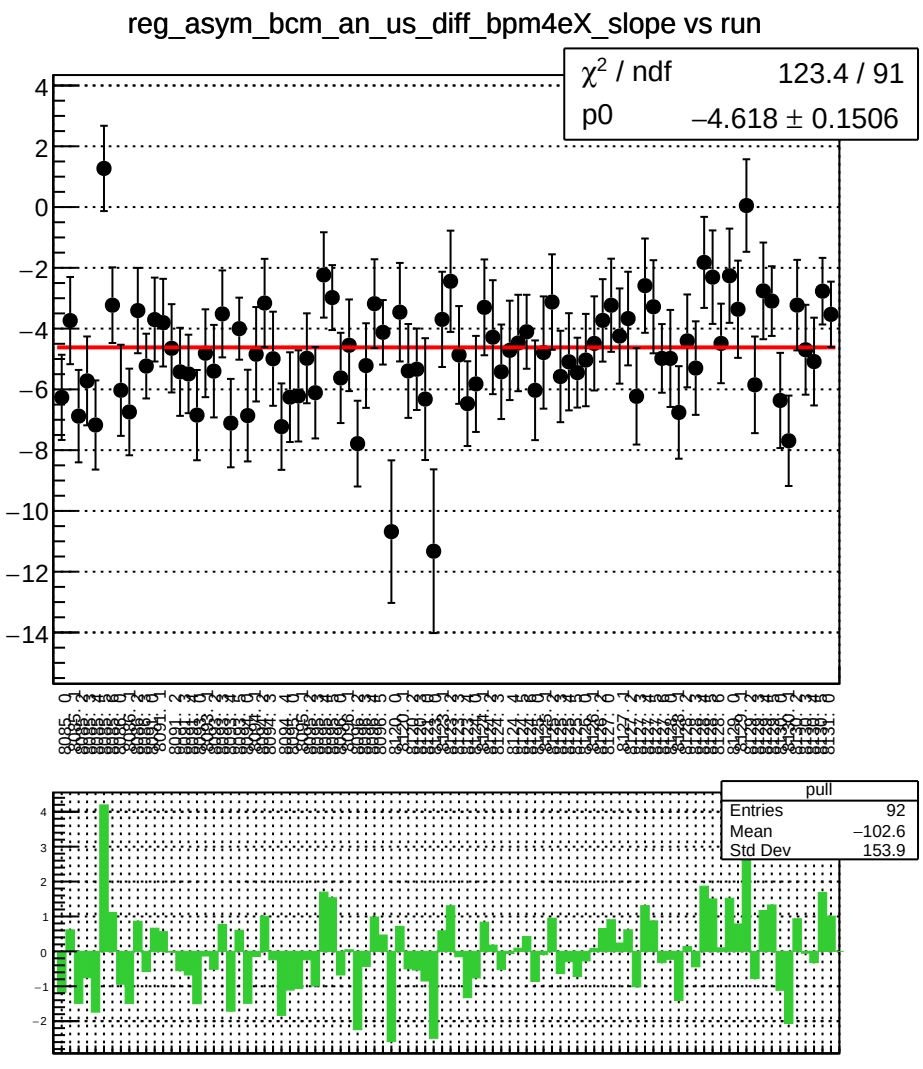

pull1D
Entries 92
Mean −0.002513
Std Dev 0.9831

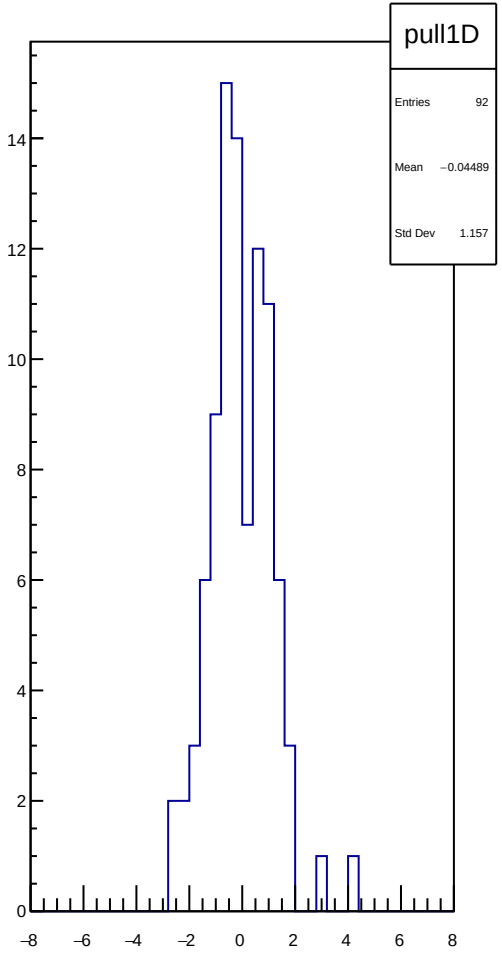

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 125.7 / 91
p0 0.09163 ± 0.009452
pull
Entries 92
Mean −316.6
Std Dev 362.9
pull1D
Entries 92
Mean 0.03496
Std Dev 1.169

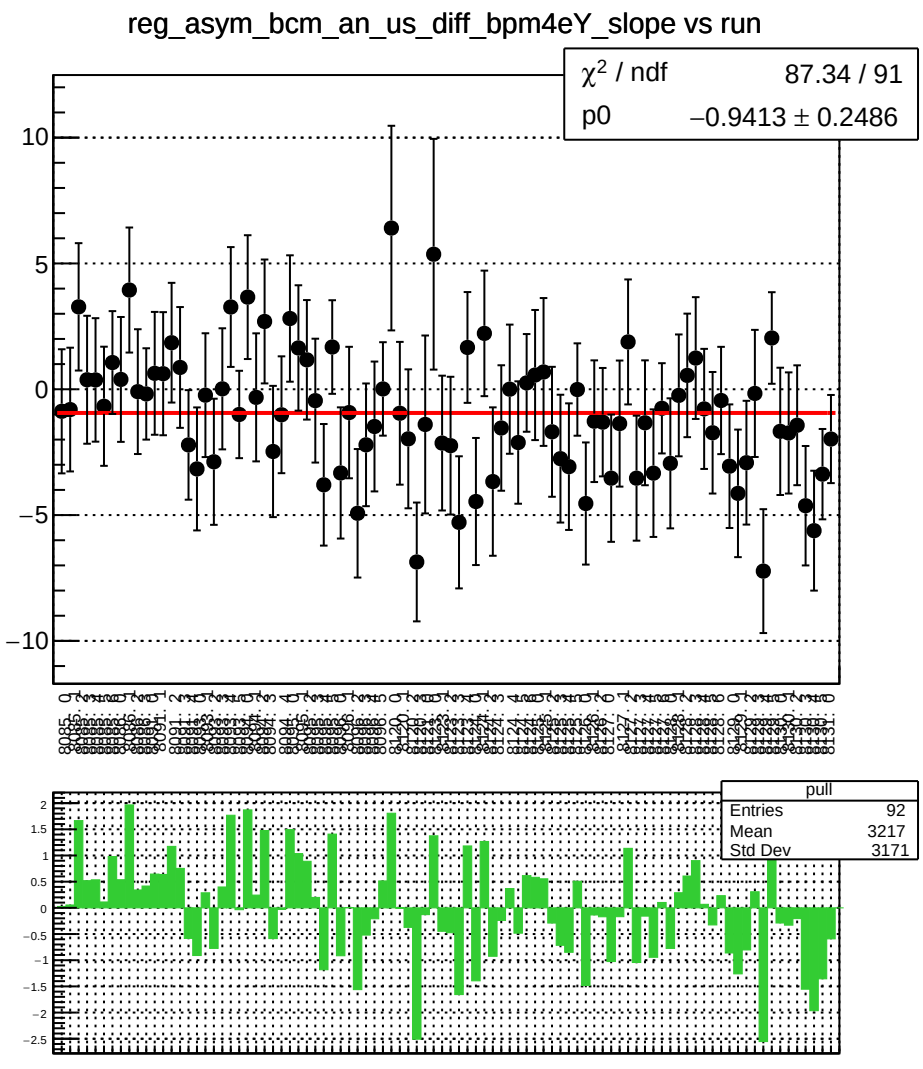

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 128.9 / 91
p0 5.011 ± 0.1584
pull
Entries 92
Mean −125.3
Std Dev 176.5

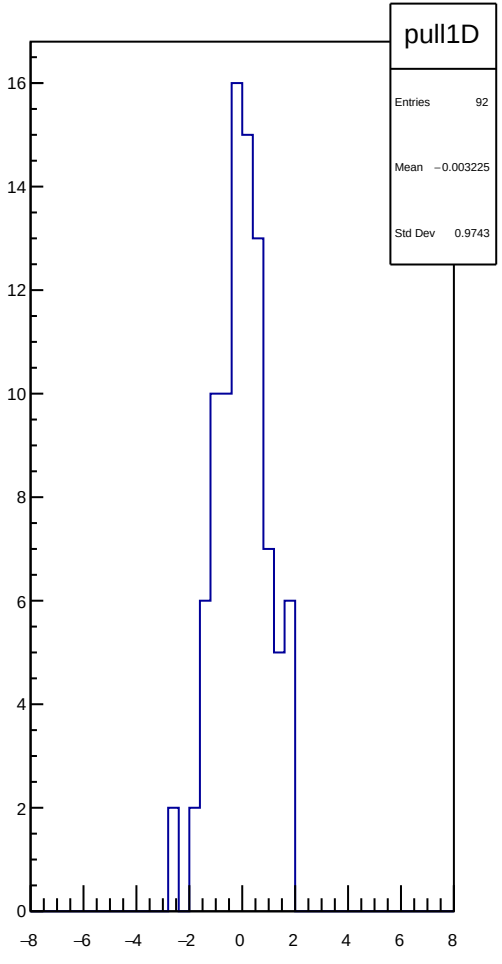

pull1D
Entries 92
Mean 0.04716
Std Dev 1.183

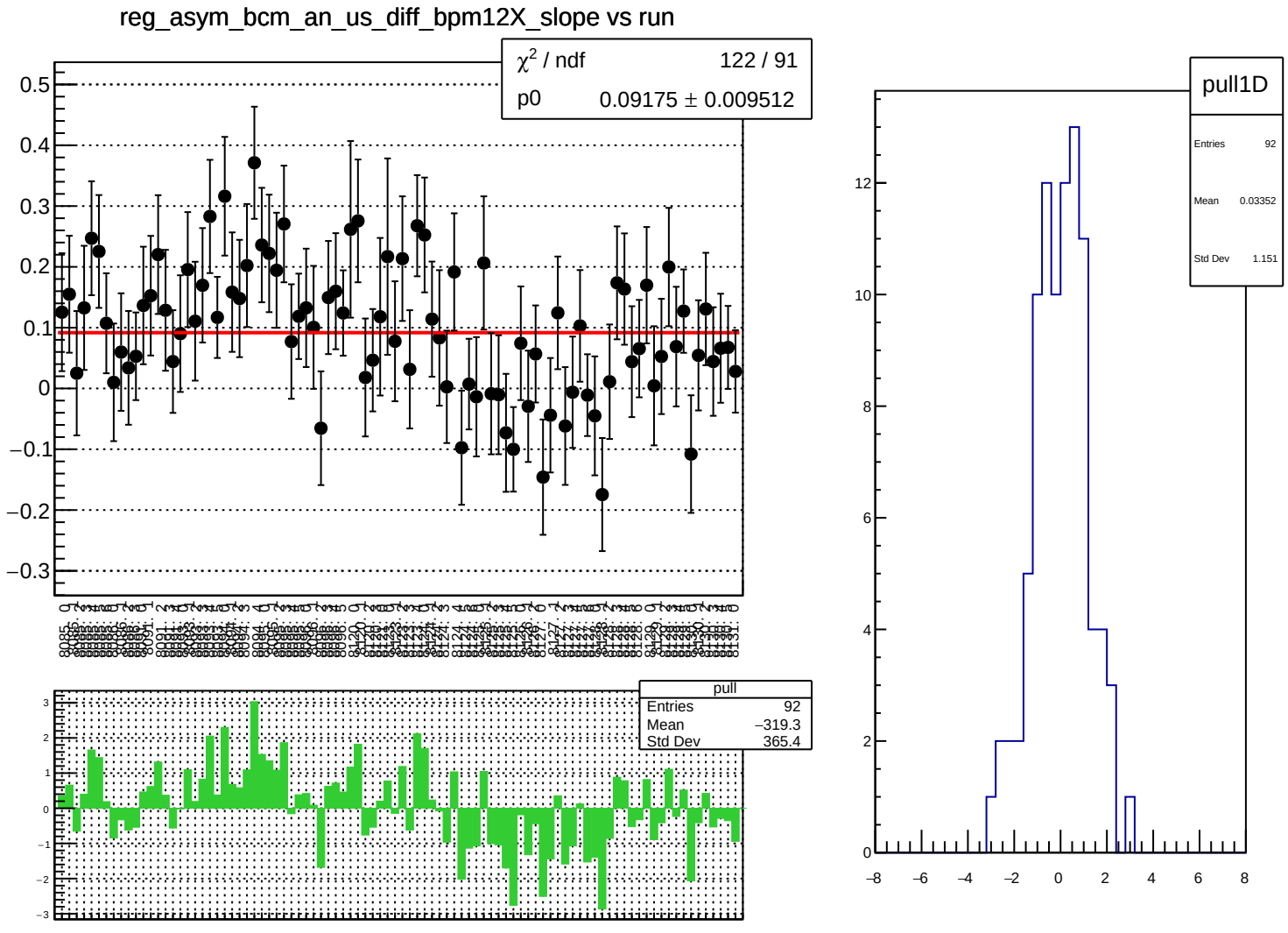

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 85.03 / 91
p0 0.7397 ± 0.2327
pull
Entries 92
Mean 5430
Std Dev 5385
pull1D
Entries 92
Mean 0.001583
Std Dev 0.9614

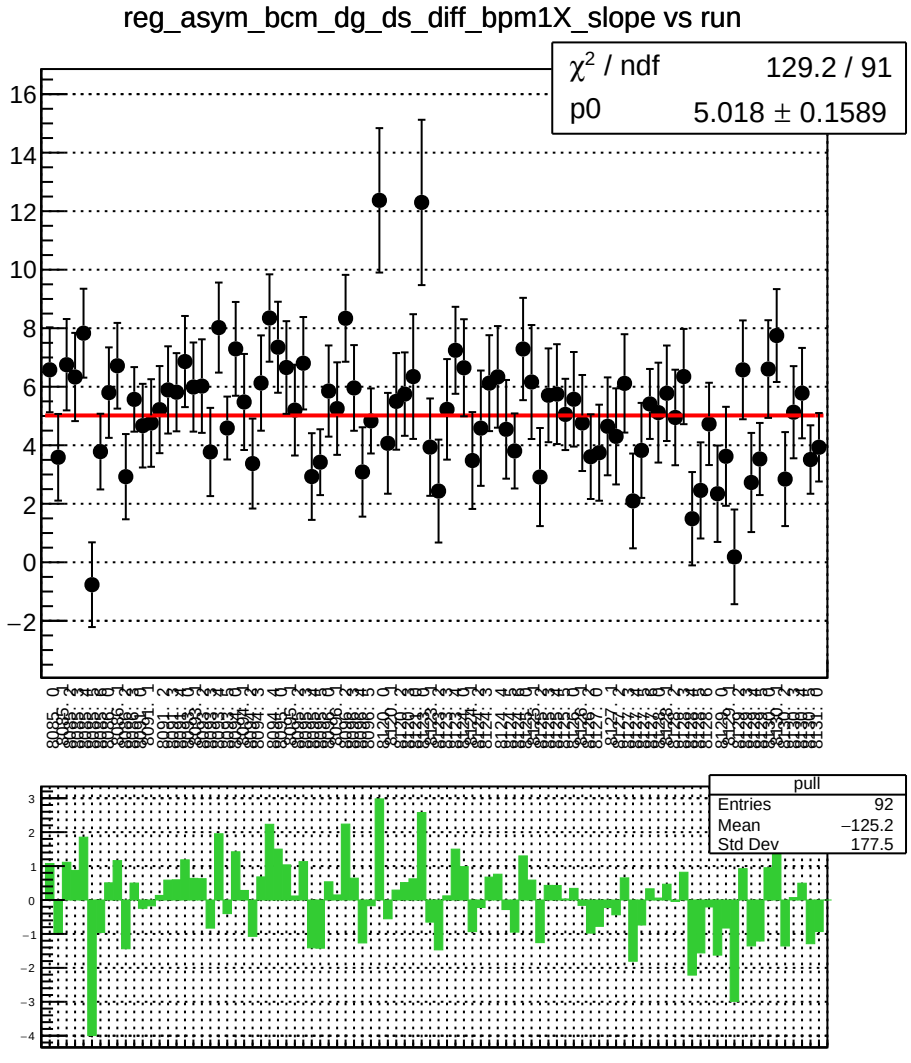

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 123.4 / 91
p0 −4.618 ± 0.1506
pull
Entries 92
Mean −102.6
Std Dev 153.9

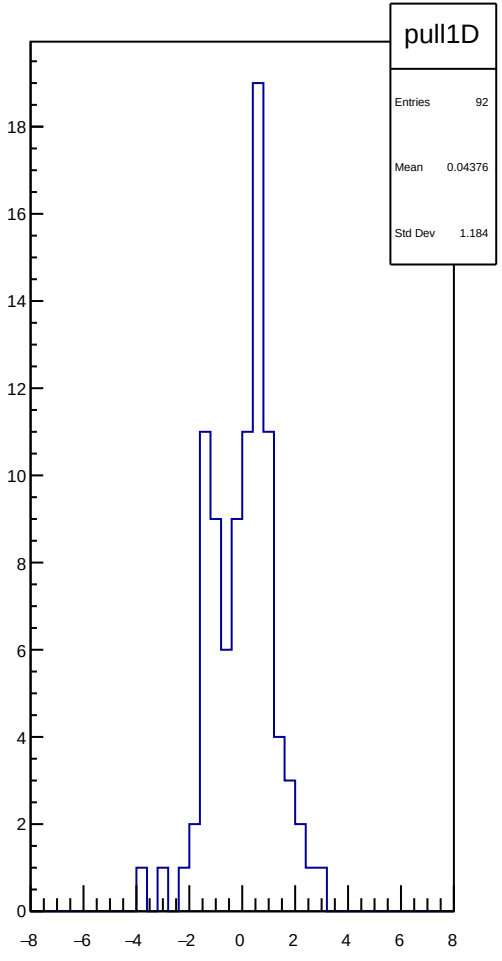

pull1D
Entries 92
Mean −0.04489
Std Dev 1.157

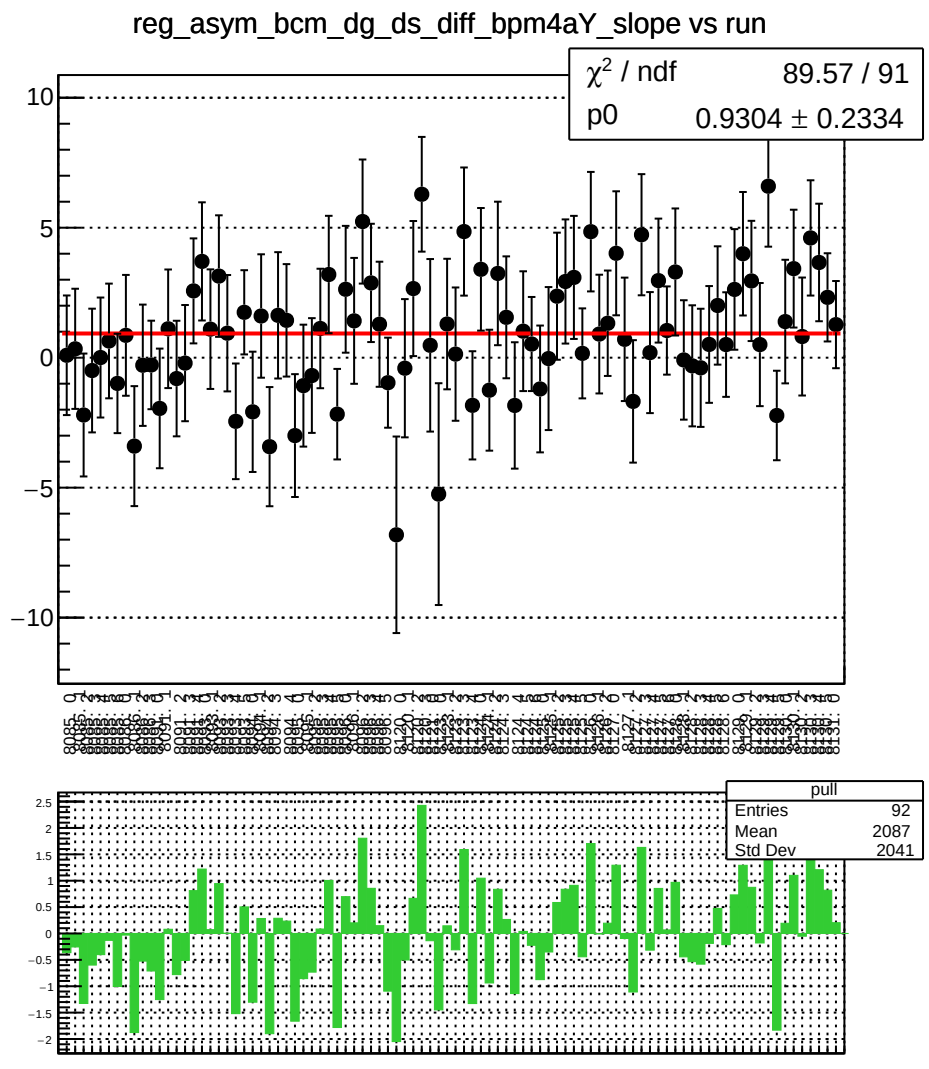

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 87.34 / 91
p0 −0.9413 ± 0.2486
pull
Entries 92
Mean 3217
Std Dev 3171

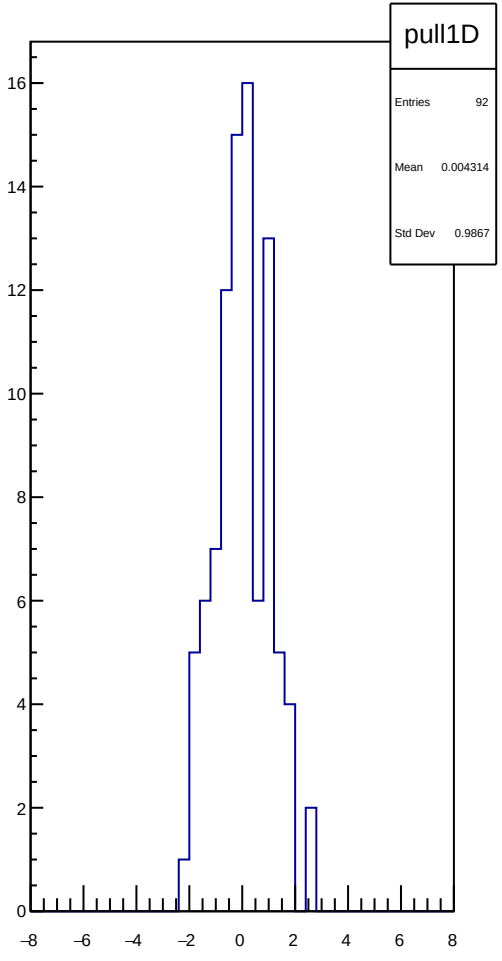

pull1D
Entries 92
Mean −0.003225
Std Dev 0.9743

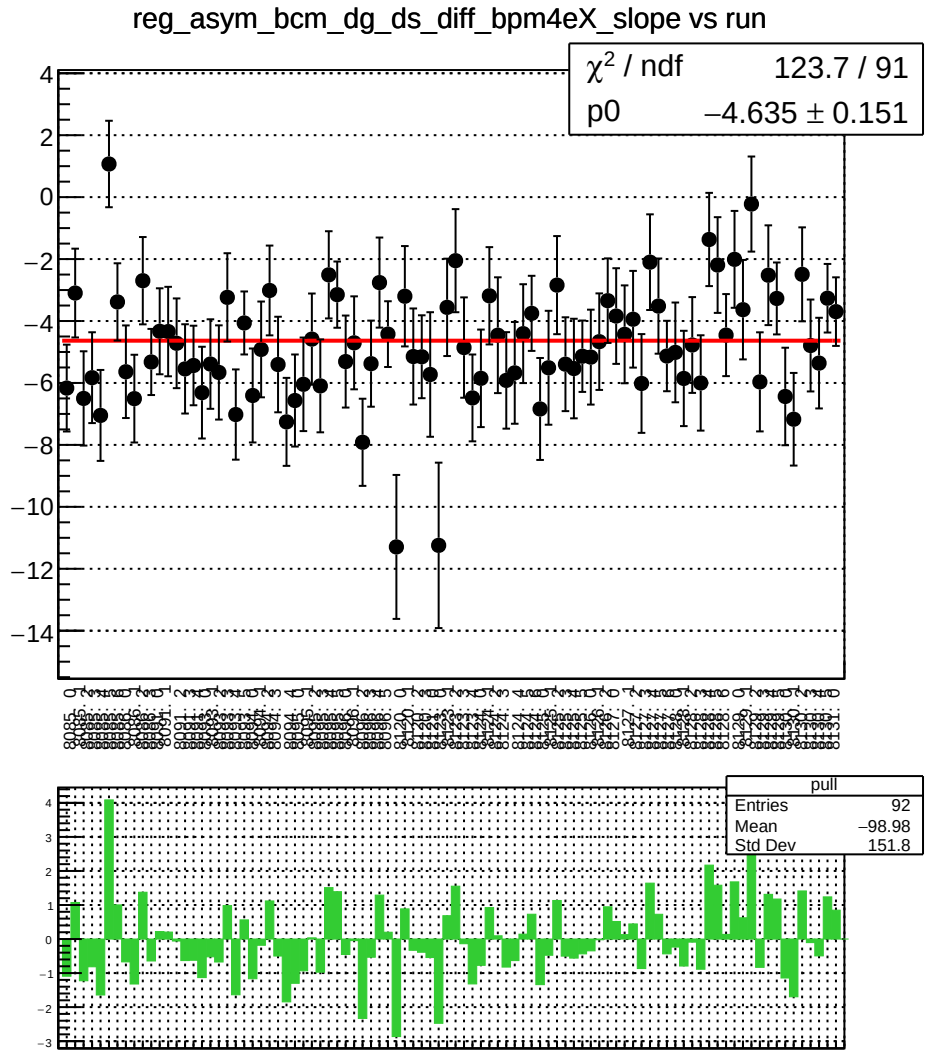

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 122 / 91
p0 0.09175 ± 0.009512
pull
Entries 92
Mean −319.3
Std Dev 365.4
pull1D
Entries 92
Mean 0.03352
Std Dev 1.151

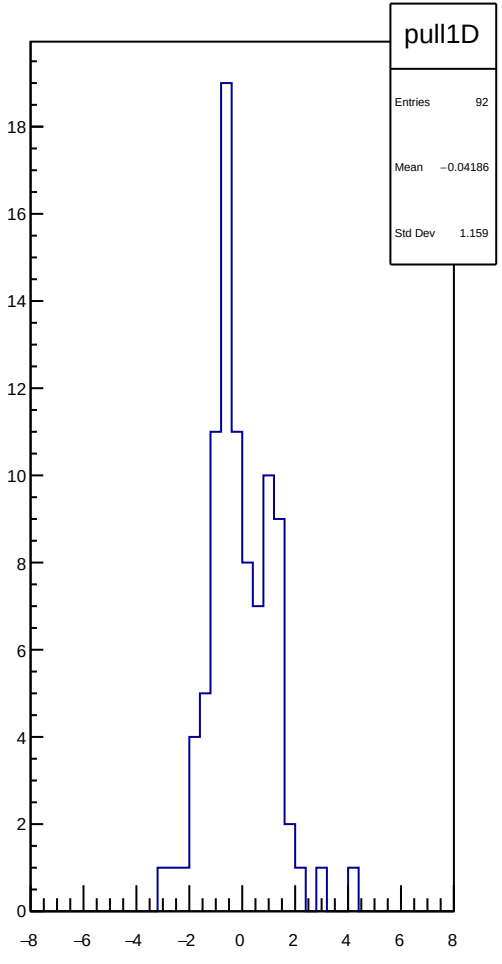

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 129.2 / 91
p0 5.018 ± 0.1589
pull
Entries 92
Mean −125.2
Std Dev 177.5

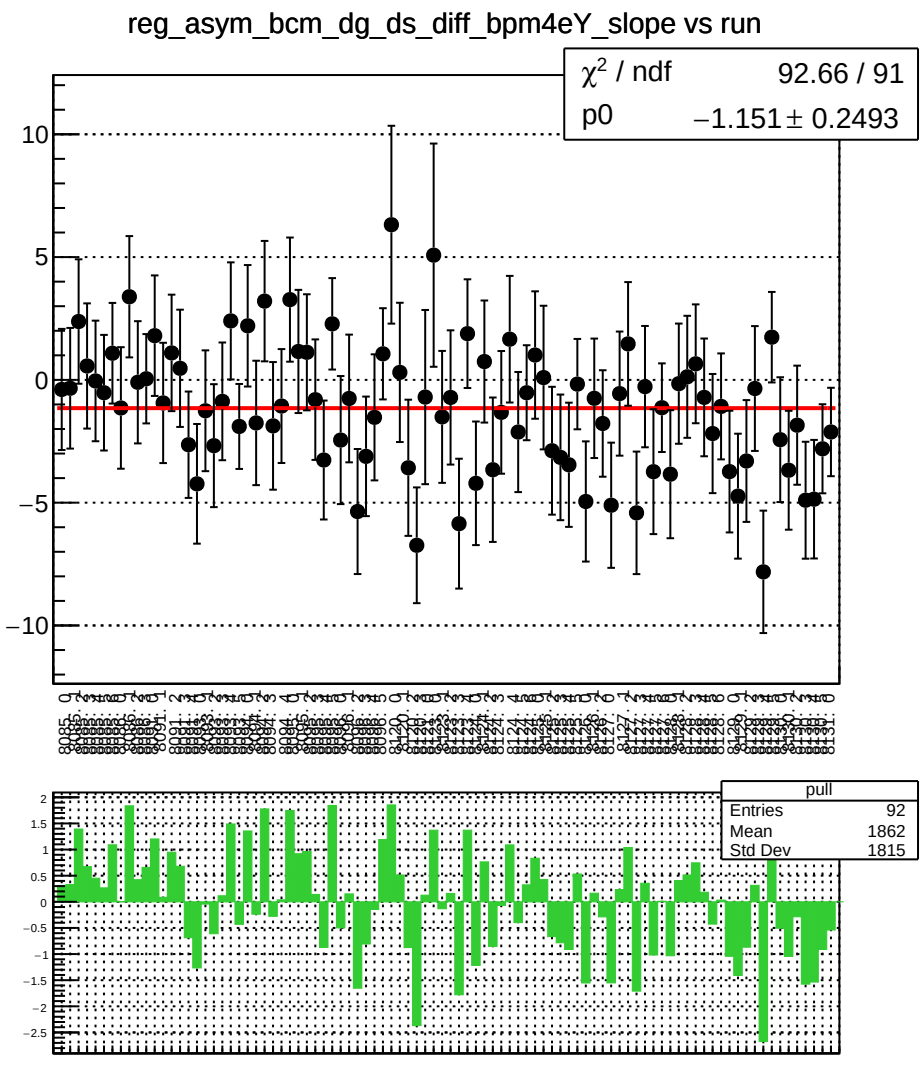

pull1D
Entries 92
Mean 0.04376
Std Dev 1.184

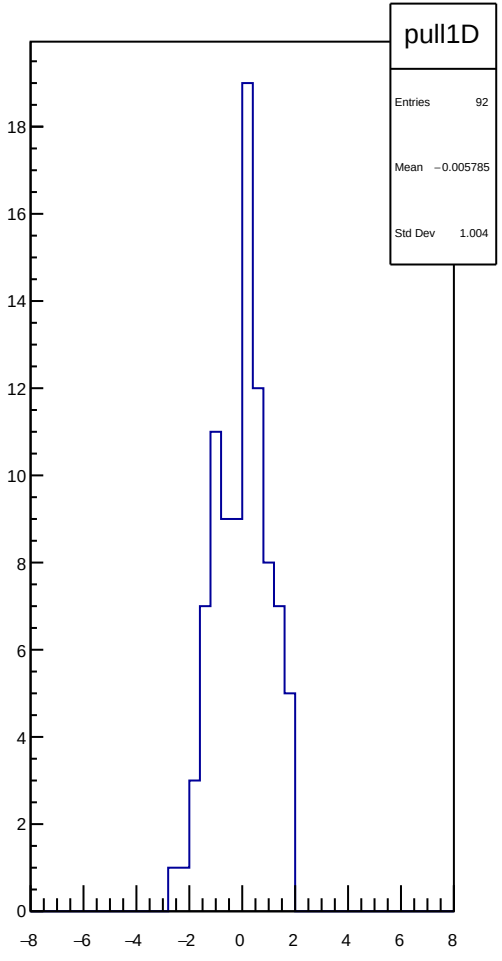

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 89.57 / 91
p0 0.9304 ± 0.2334
pull
Entries 92
Mean 2087
Std Dev 2041

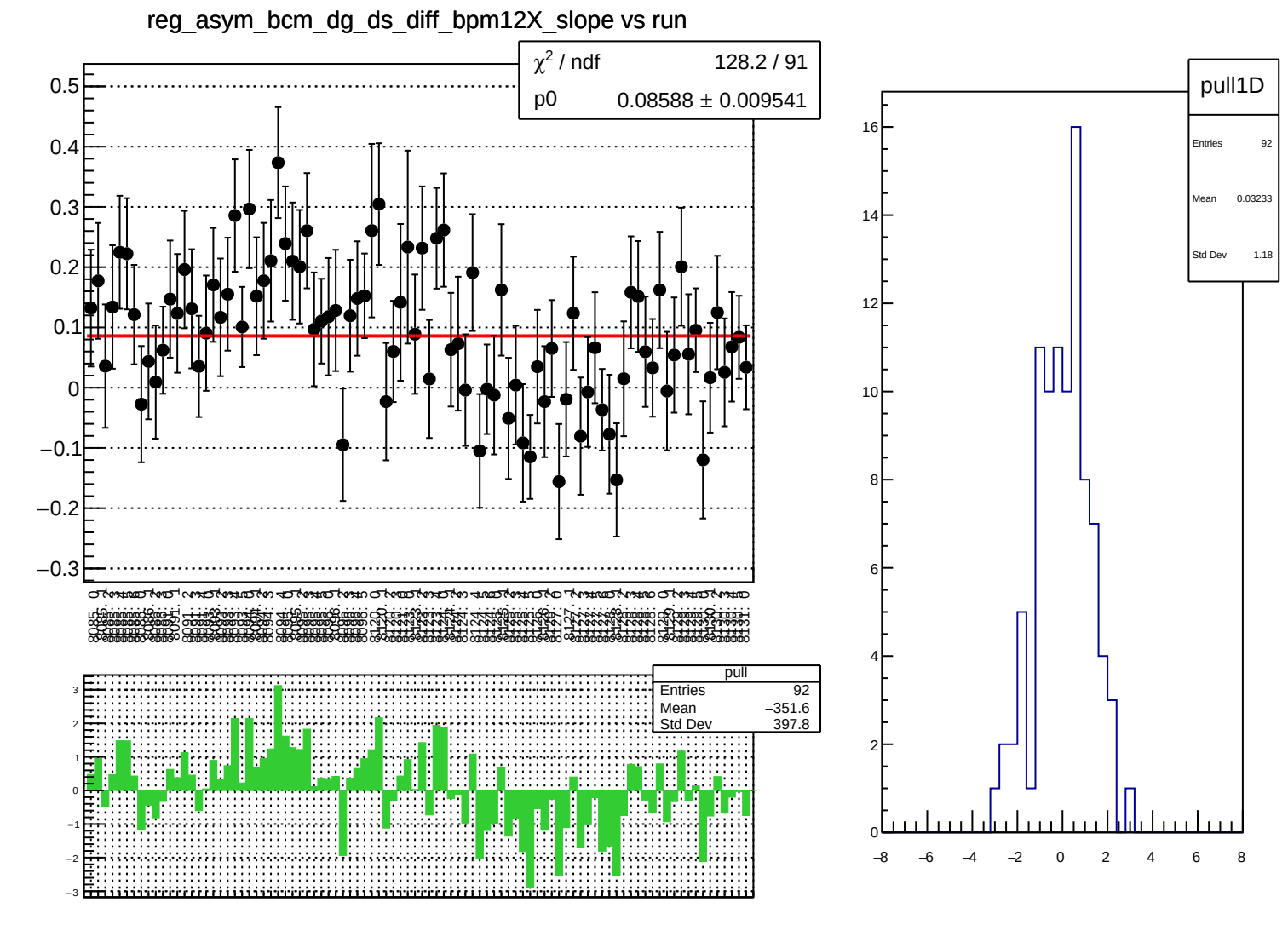

pull1D
Entries 92
Mean 0.004314
Std Dev 0.9867

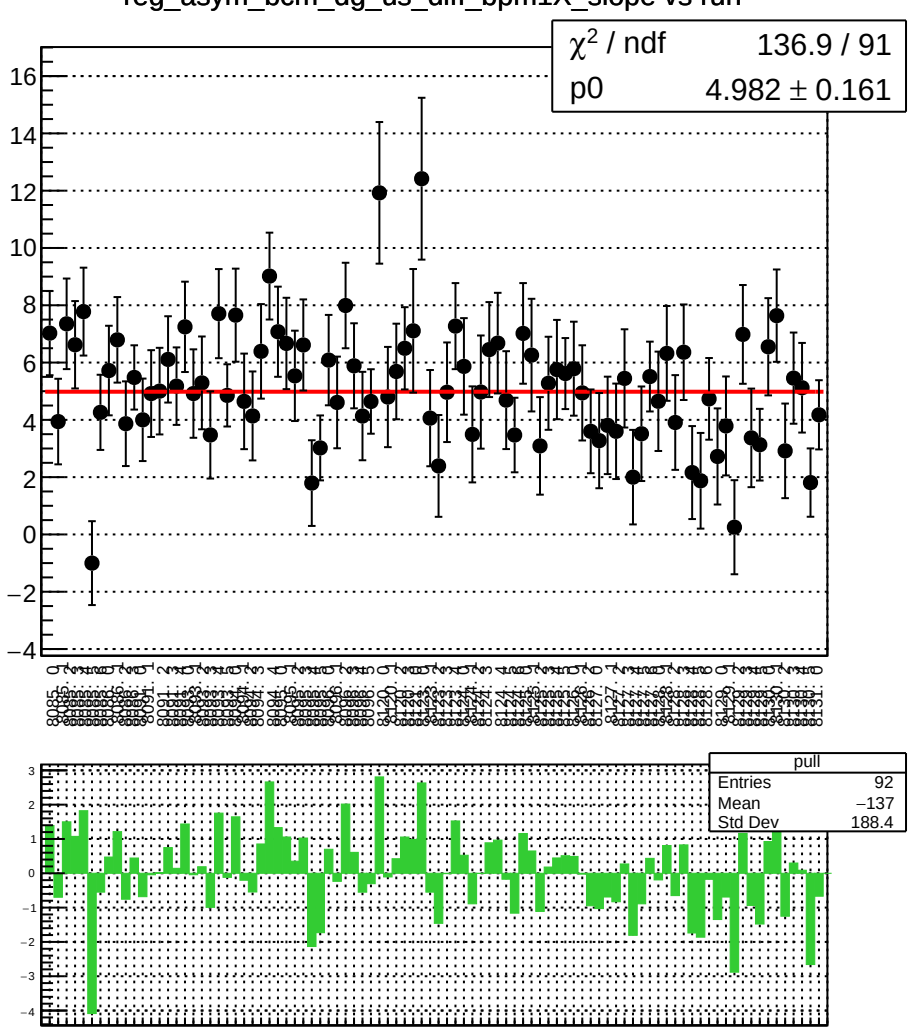

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 123.7 / 91
p0 −4.635 ± 0.151
pull
Entries 92
Mean −98.98
Std Dev 151.8

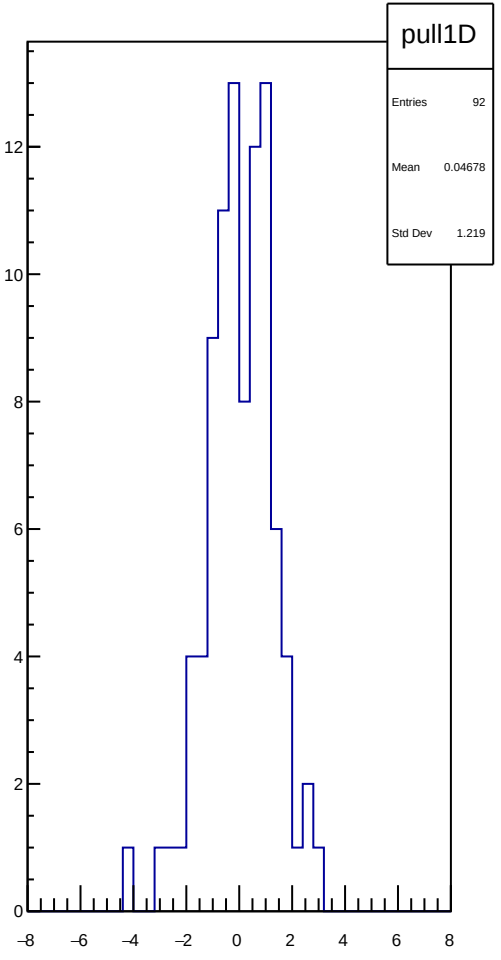

pull1D
Entries 92
Mean −0.04186
Std Dev 1.159

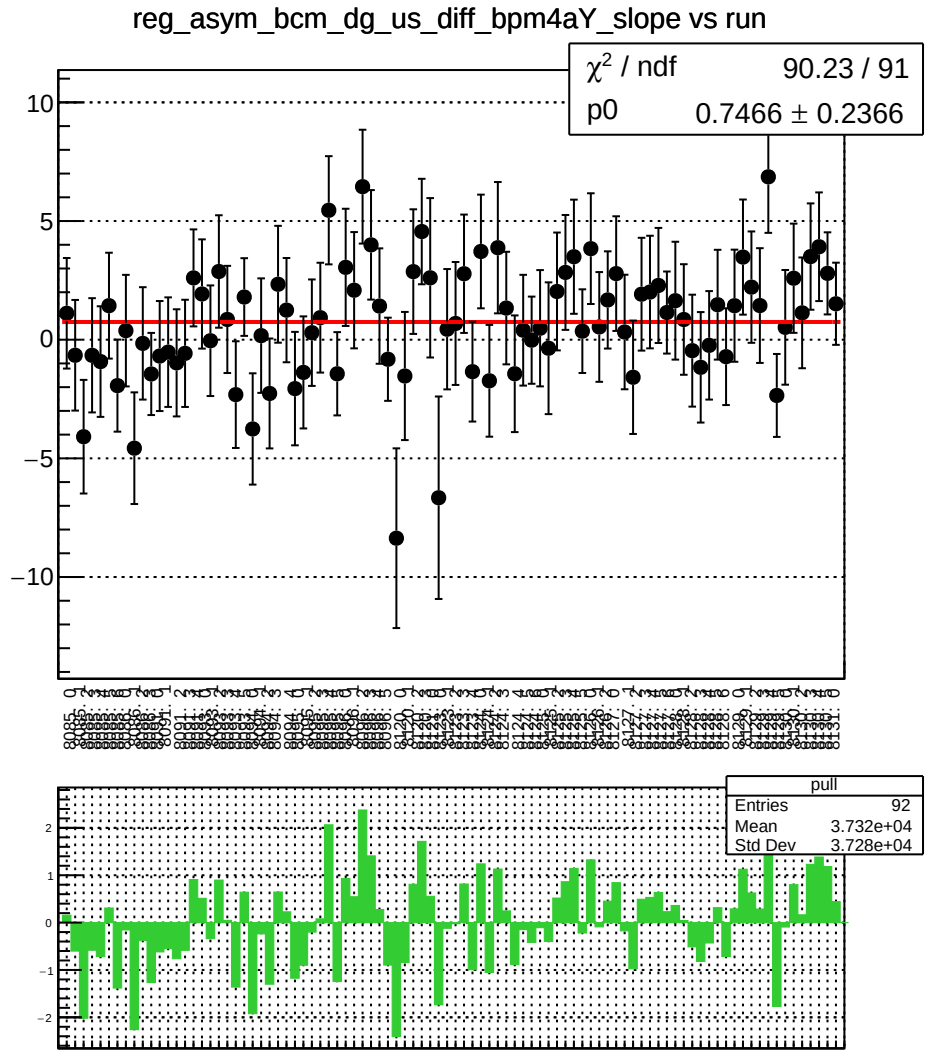

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 92.66 / 91
p0 −1.151 ± 0.2493
pull
Entries 92
Mean 1862
Std Dev 1815

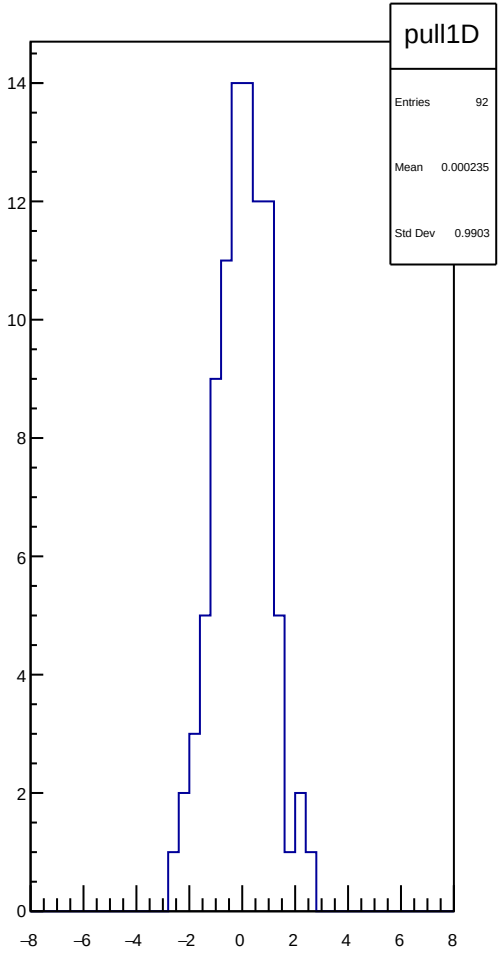

pull1D
Entries 92
Mean −0.005785
Std Dev 1.004

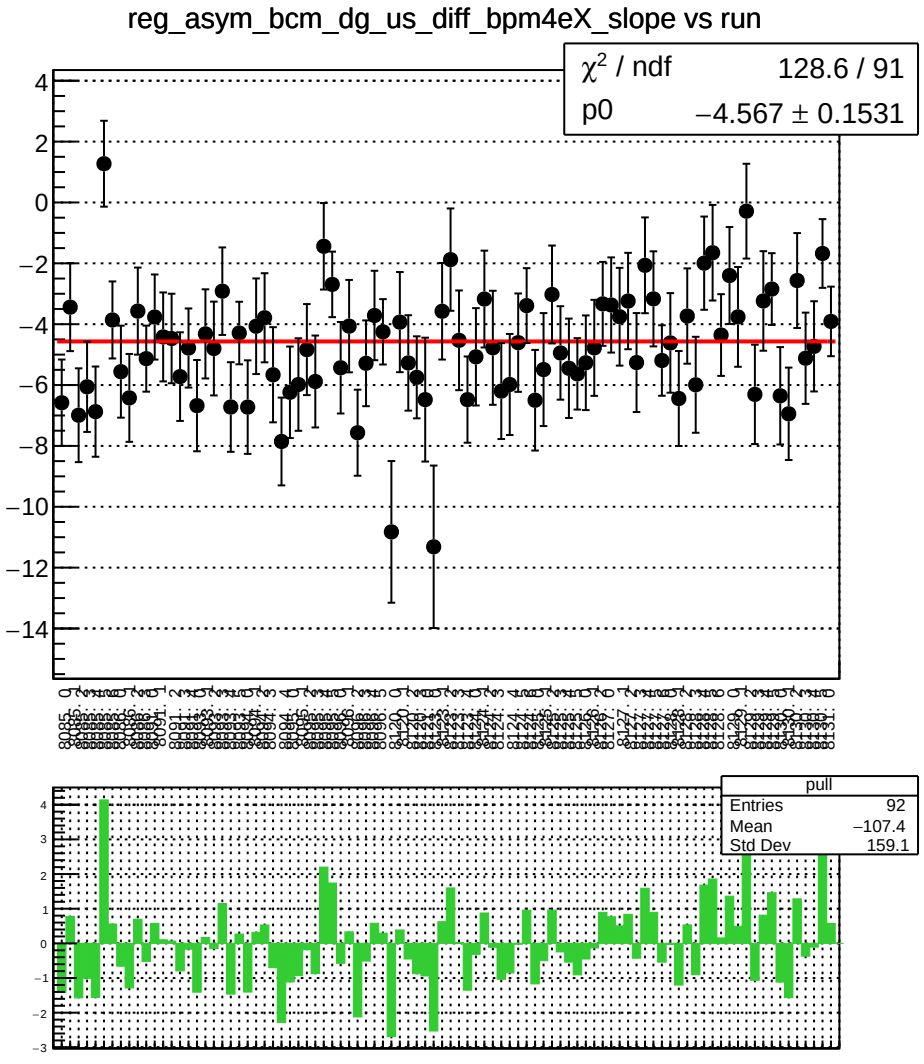

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 128.2 / 91
p0 0.08588 ± 0.009541
pull
Entries 92
Mean −351.6
Std Dev 397.8
pull1D
Entries 92
Mean 0.03233
Std Dev 1.18

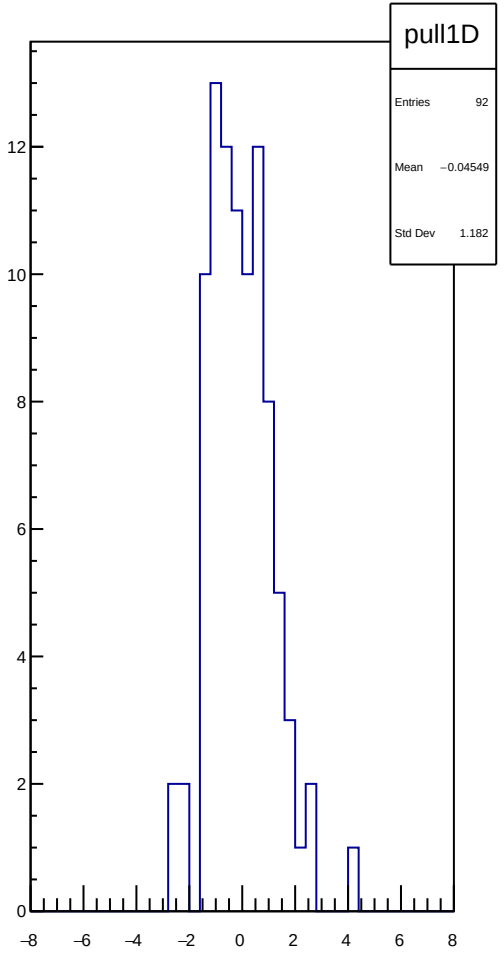

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 136.9 / 91
p0 4.982 ± 0.161
pull
Entries 92
Mean −137
Std Dev 188.4

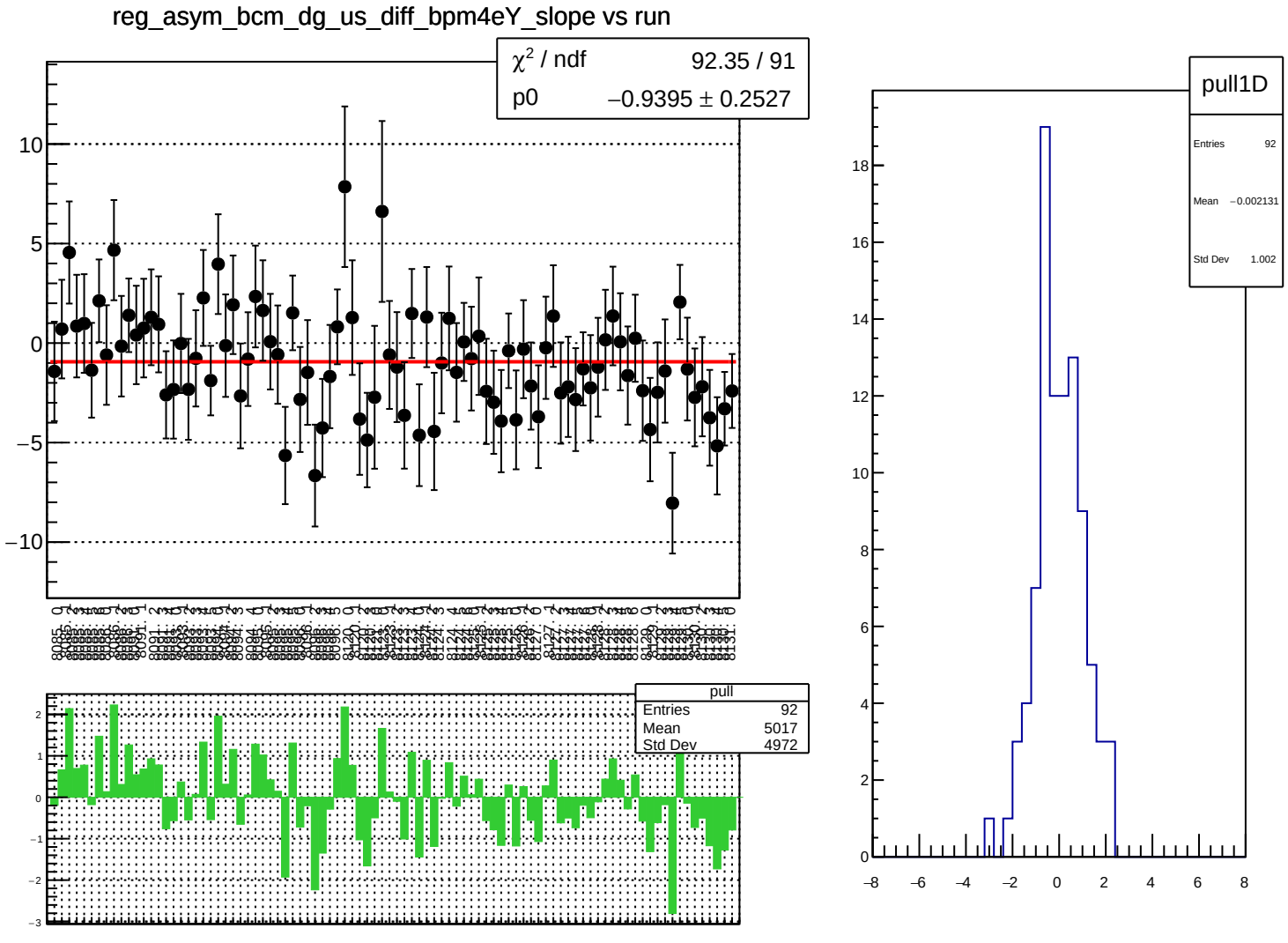

pull1D
Entries 92
Mean 0.04678
Std Dev 1.219

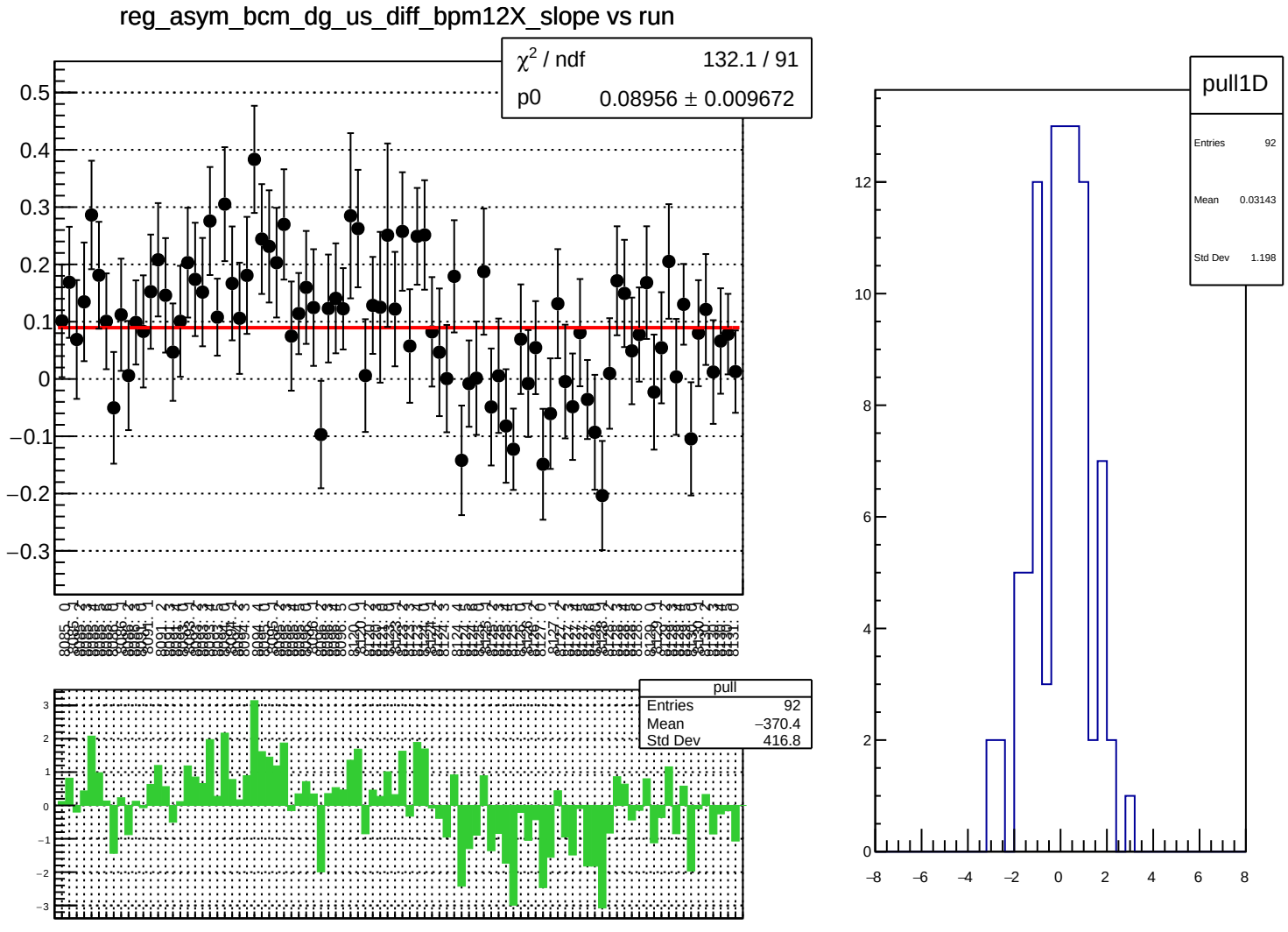

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 90.23 / 91
p0 0.7466 ± 0.2366
pull
Entries 92
Mean 3.732e+04
Std Dev 3.728e+04


pull1D
Entries 92
Mean 0.000235
Std Dev 0.9903


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 128.6 / 91
p0 −4.567 ± 0.1531
pull
Entries 92
Mean −107.4
Std Dev 159.1


pull1D
Entries 92
Mean −0.04549
Std Dev 1.182


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 92.35 / 91
p0 −0.9395 ± 0.2527
pull
Entries 92
Mean 5017
Std Dev 4972
pull1D
Entries 92
Mean −0.002131
Std Dev 1.002


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 132.1 / 91
p0 0.08956 ± 0.009672
pull
Entries 92
Mean −370.4
Std Dev 416.8
pull1D
Entries 92
Mean 0.03143
Std Dev 1.198