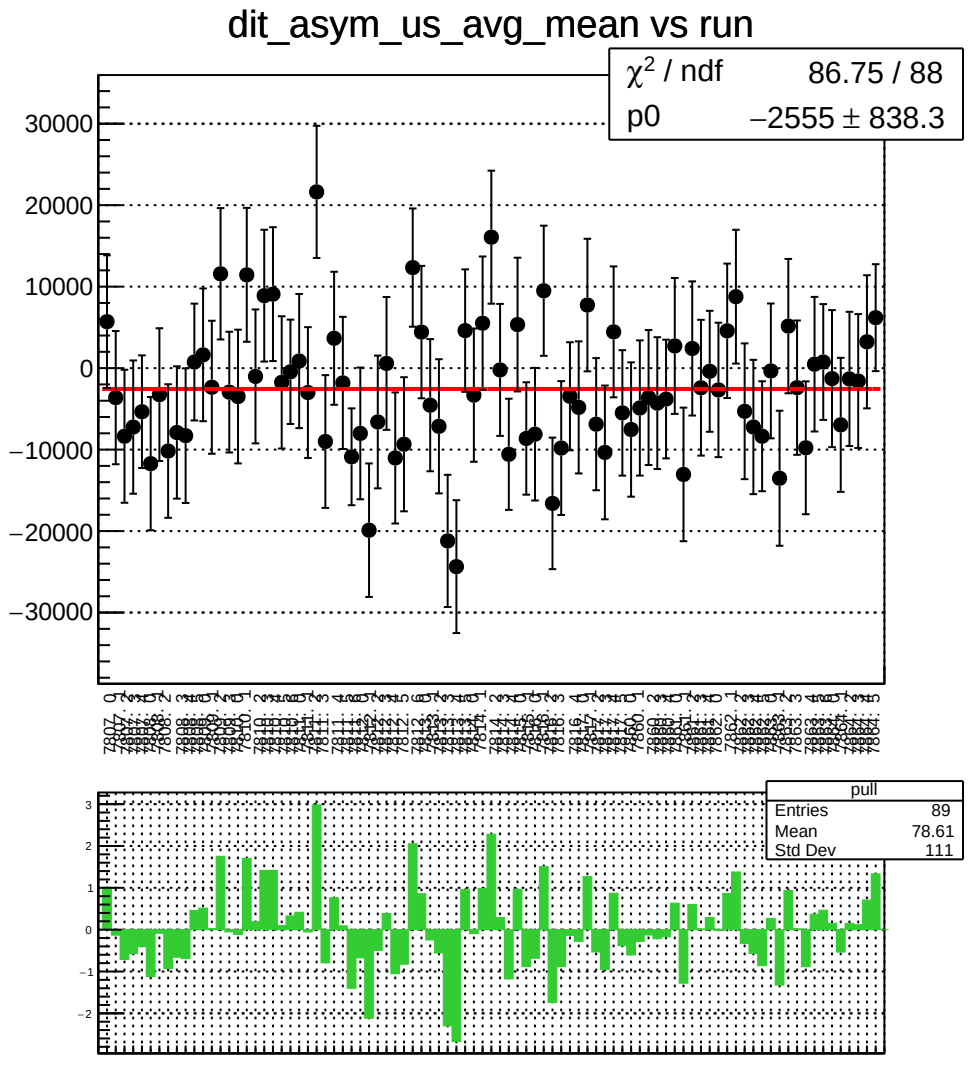
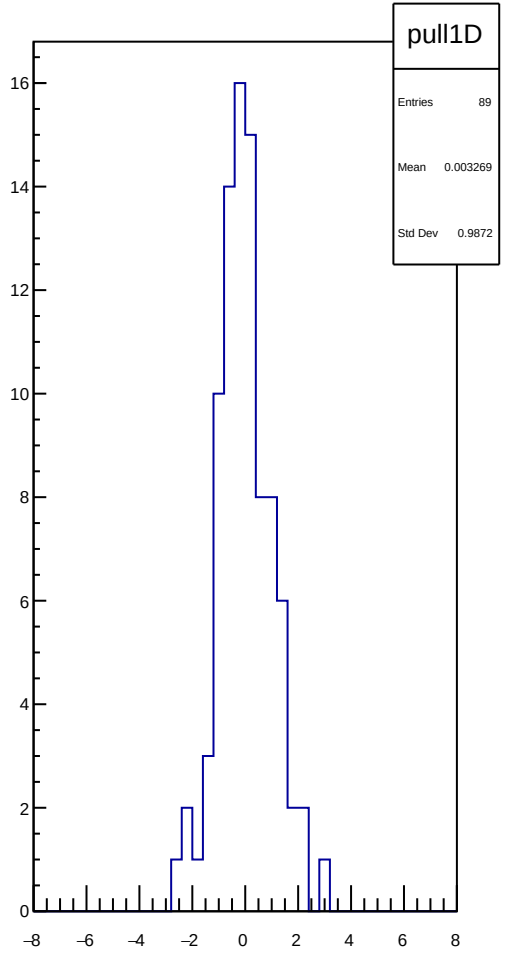
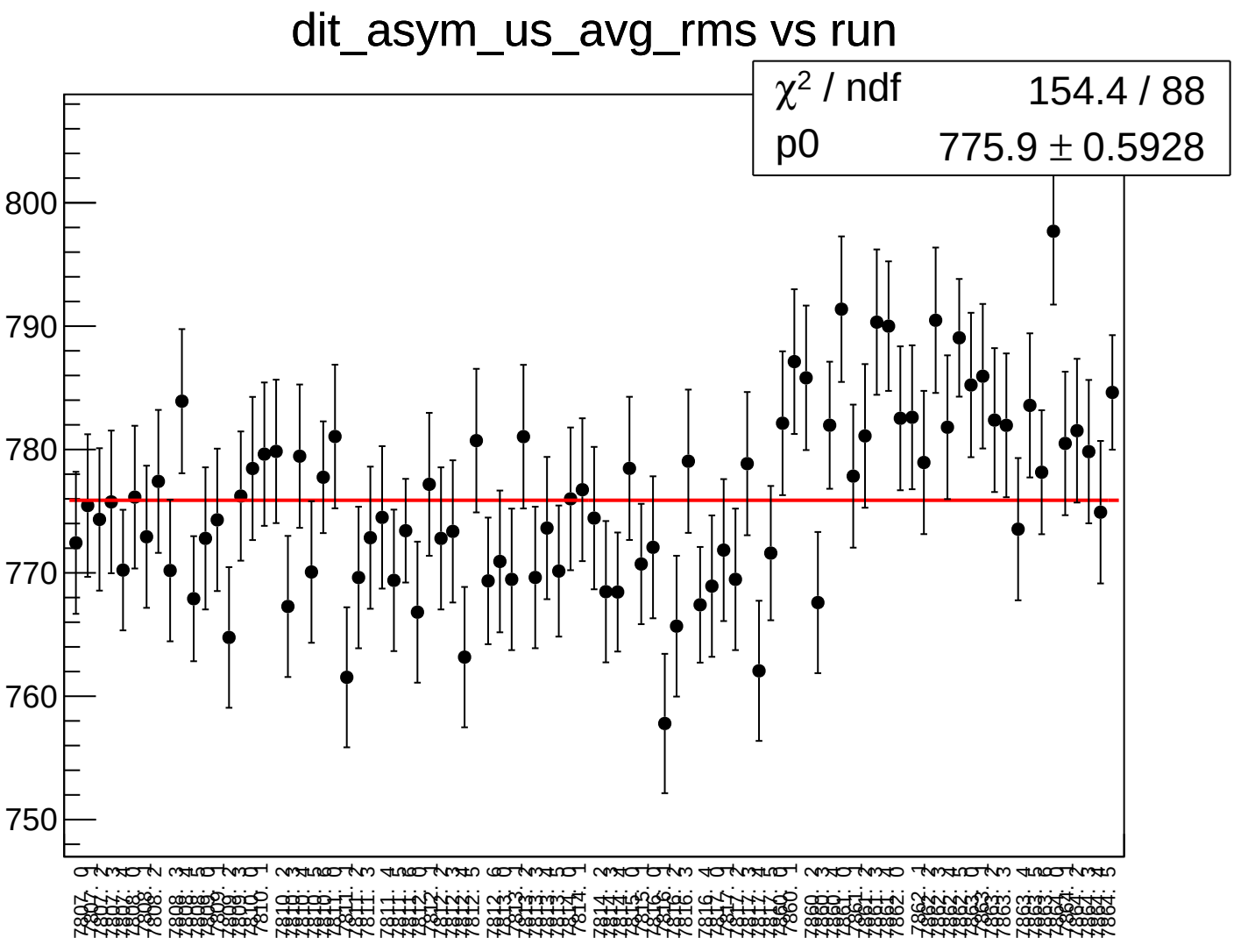
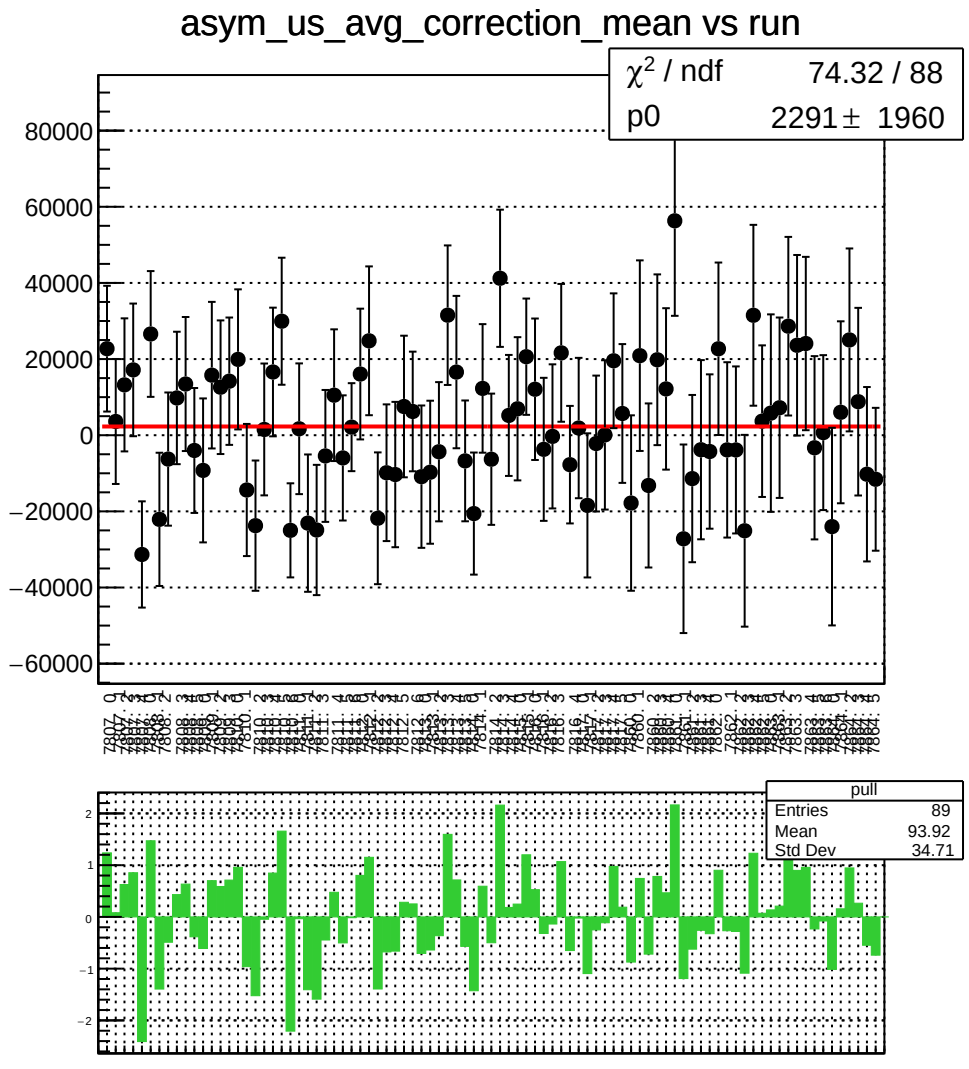
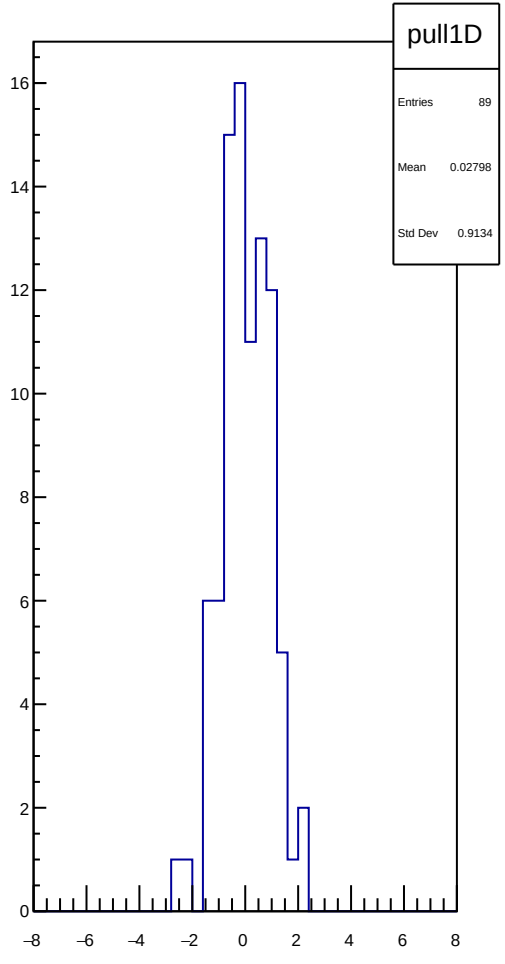
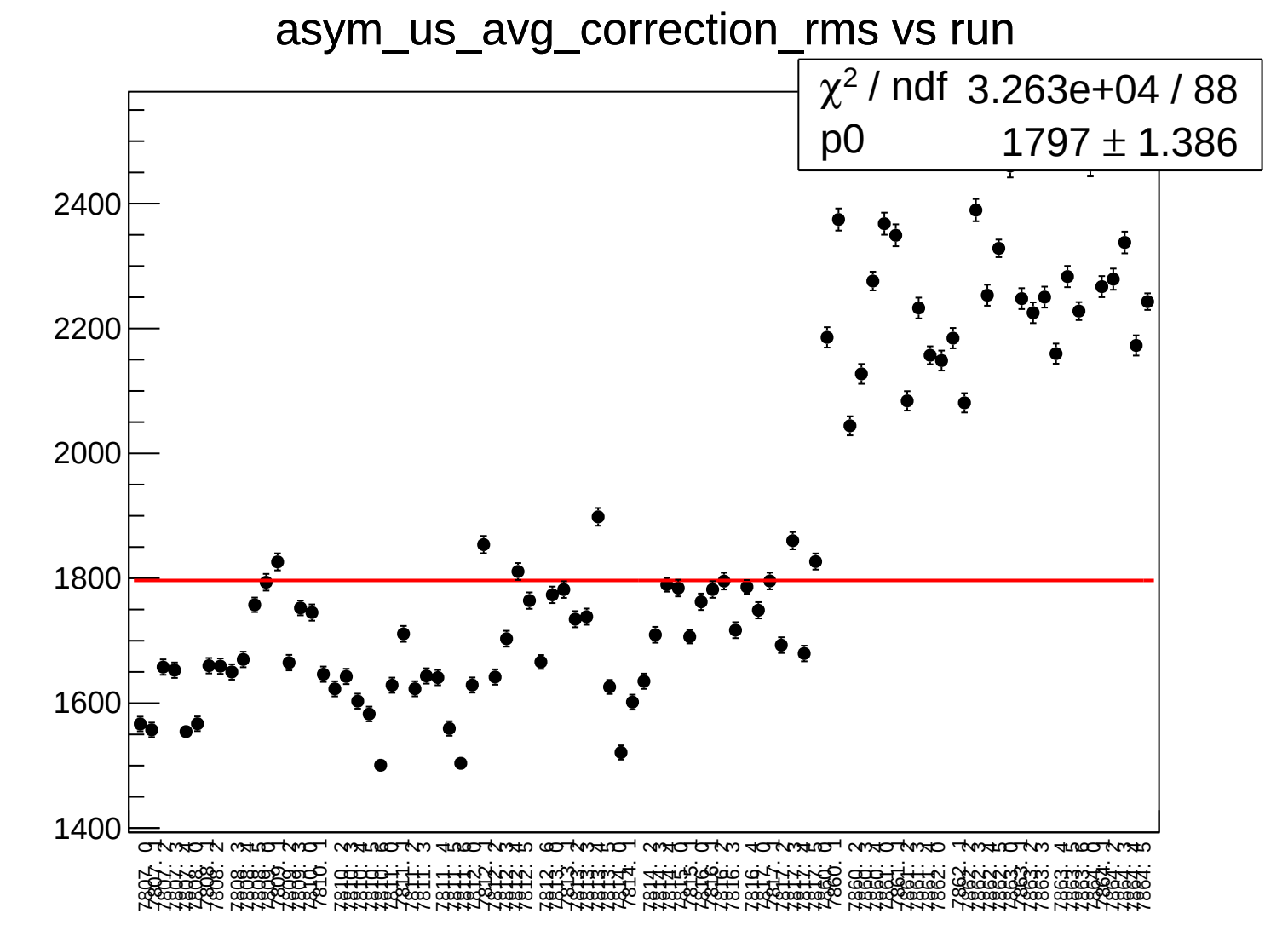

dit_asym_us_avg_mean vs run
χ² / ndf 86.75 / 88
p0 −2555 ± 838.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 78.61
Std Dev 111
3
2
1
0
−1
−2

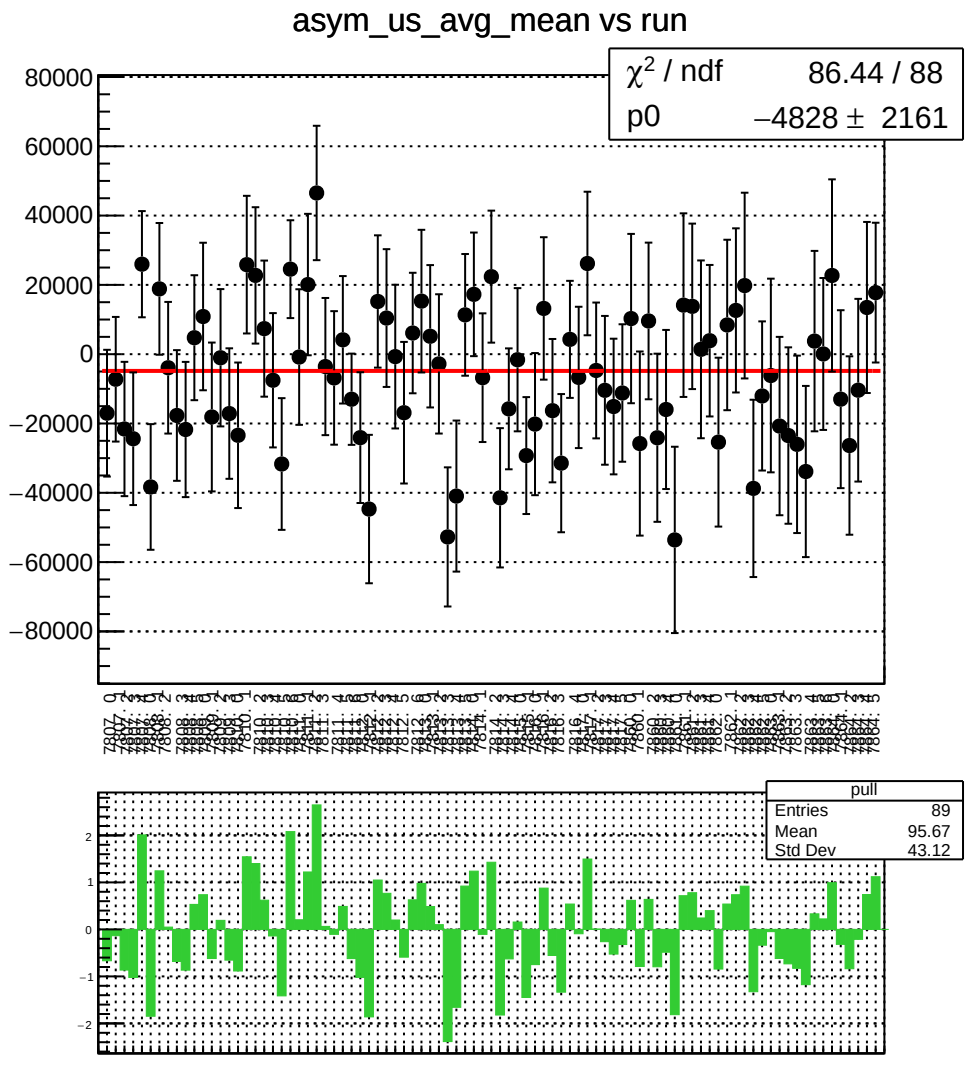

pull1D
Entries 89
Mean 0.003269
Std Dev 0.9872
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

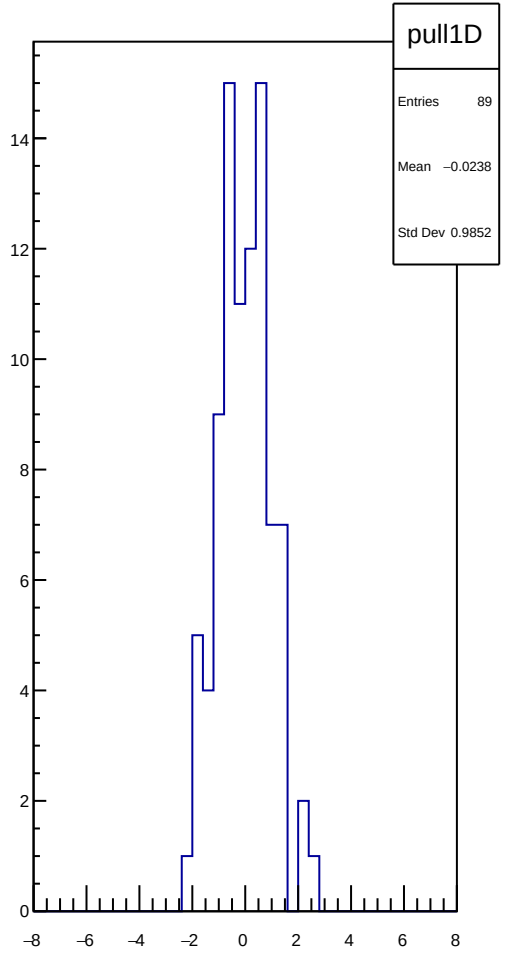

dit_asym_us_avg_rms vs run
χ² / ndf 154.4 / 88
p0 775.9 ± 0.5928
800
790
780
770
760
750

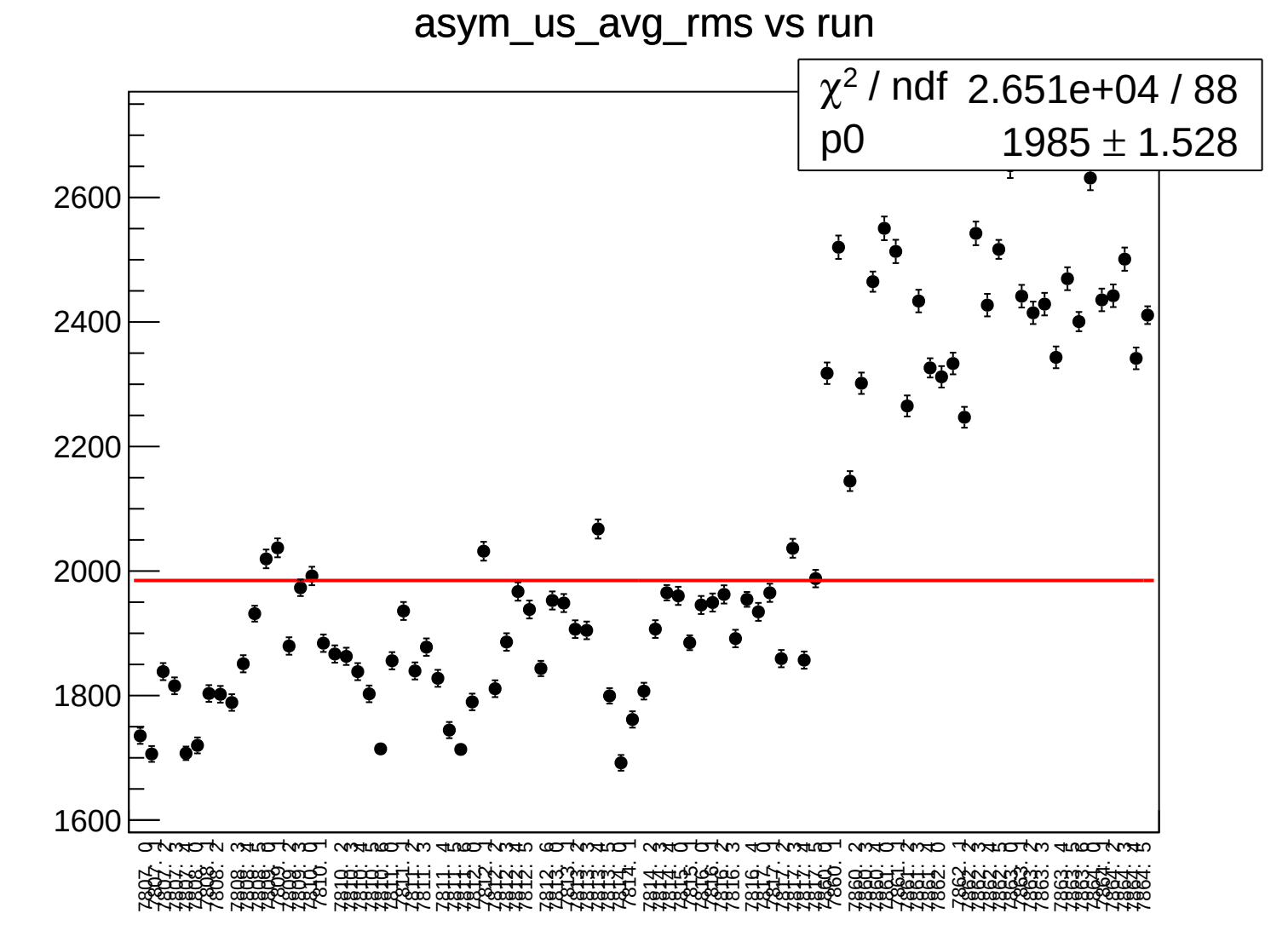

asym_us_avg_correction_mean vs run
χ² / ndf 74.32 / 88
p0 2291 ± 1960
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 93.92
Std Dev 34.71
2
1
0
−1
−2

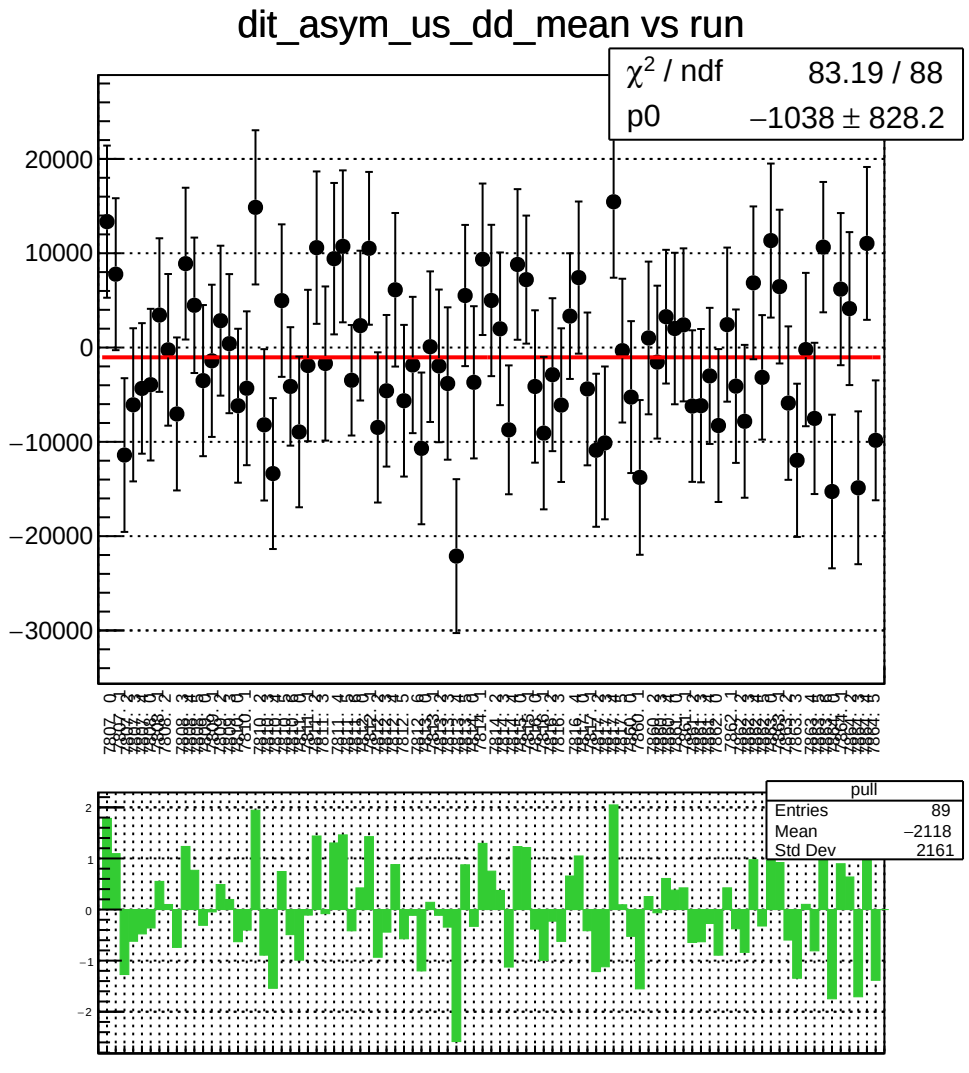

pull1D
Entries 89
Mean 0.02798
Std Dev 0.9134
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

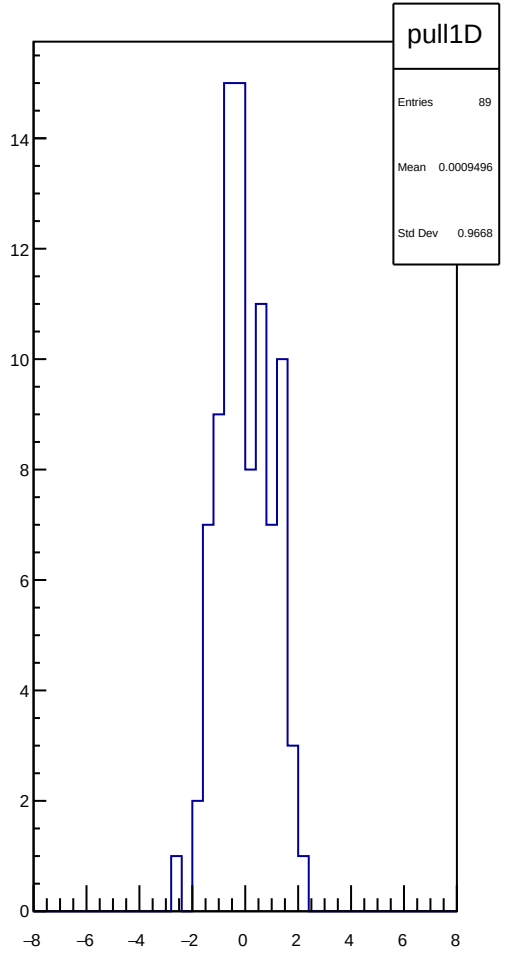

asym_us_avg_correction_rms vs run
χ² / ndf 3.263e+04 / 88
p0 1797 ± 1.386
2400
2200
2000
1800
1600
1400

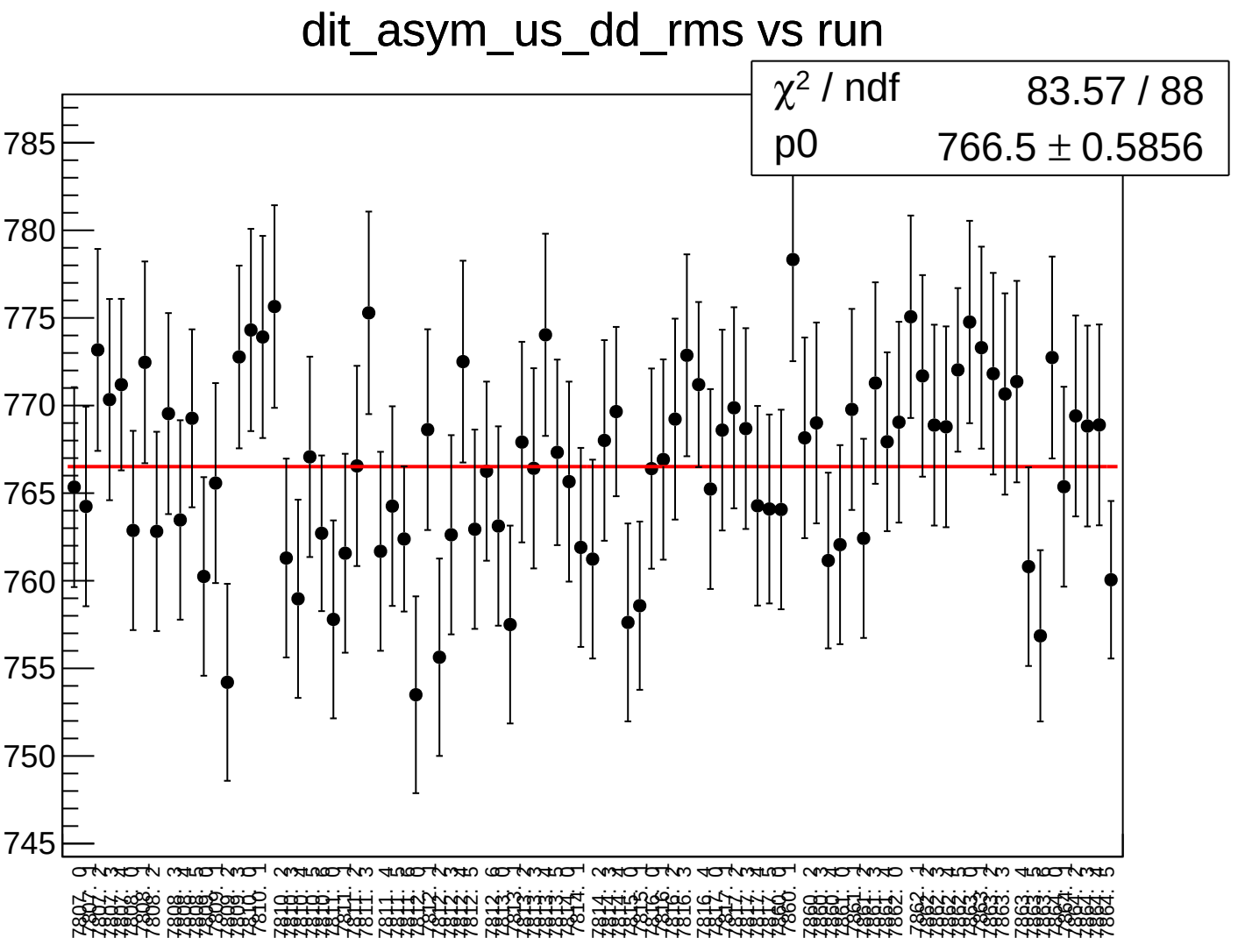

asym_us_avg_mean vs run
χ² / ndf 86.44 / 88
p0 −4828 ± 2161
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 95.67
Std Dev 43.12
2
1
0
−1
−2

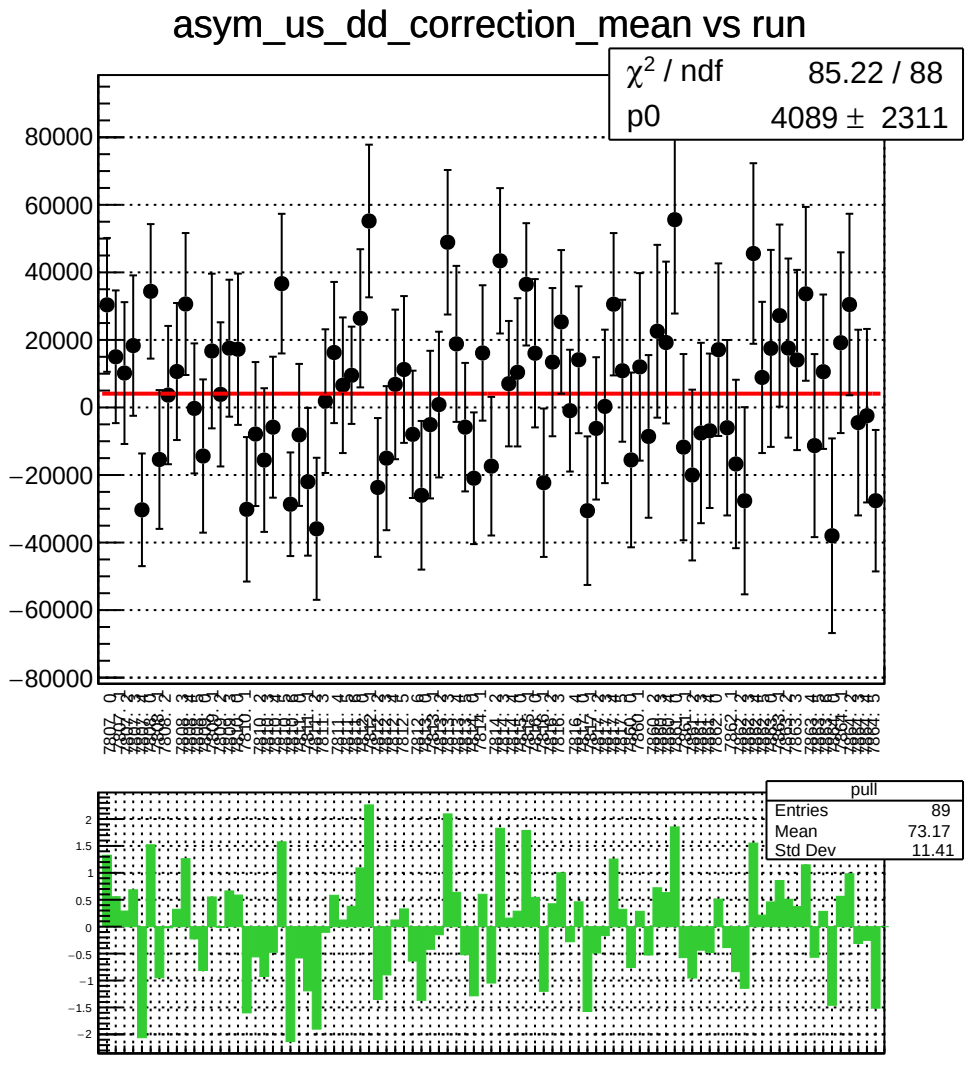

pull1D
Entries 89
Mean −0.0238
Std Dev 0.9852
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

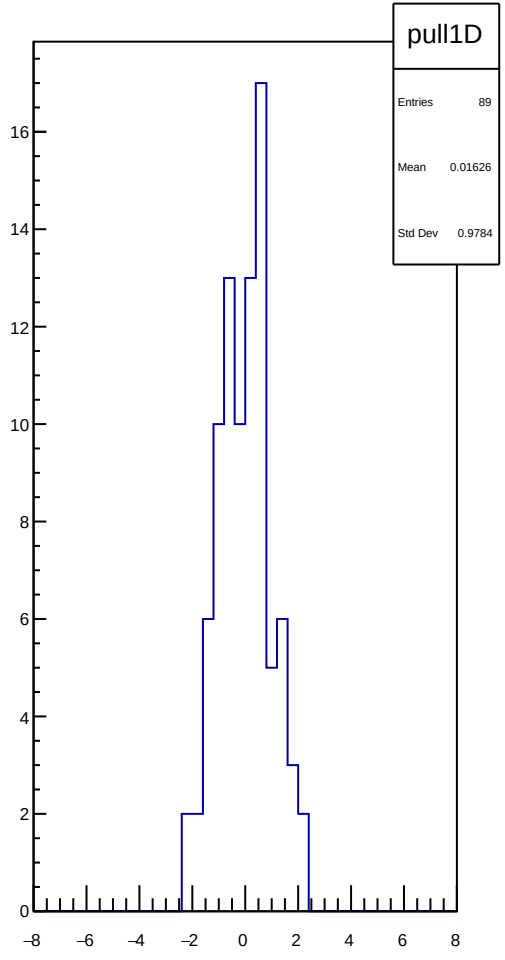

asym_us_avg_rms vs run
χ^2 / ndf 2.651e+04 / 88
p0 1985 ± 1.528
2600
2400
2200
2000
1800
1600

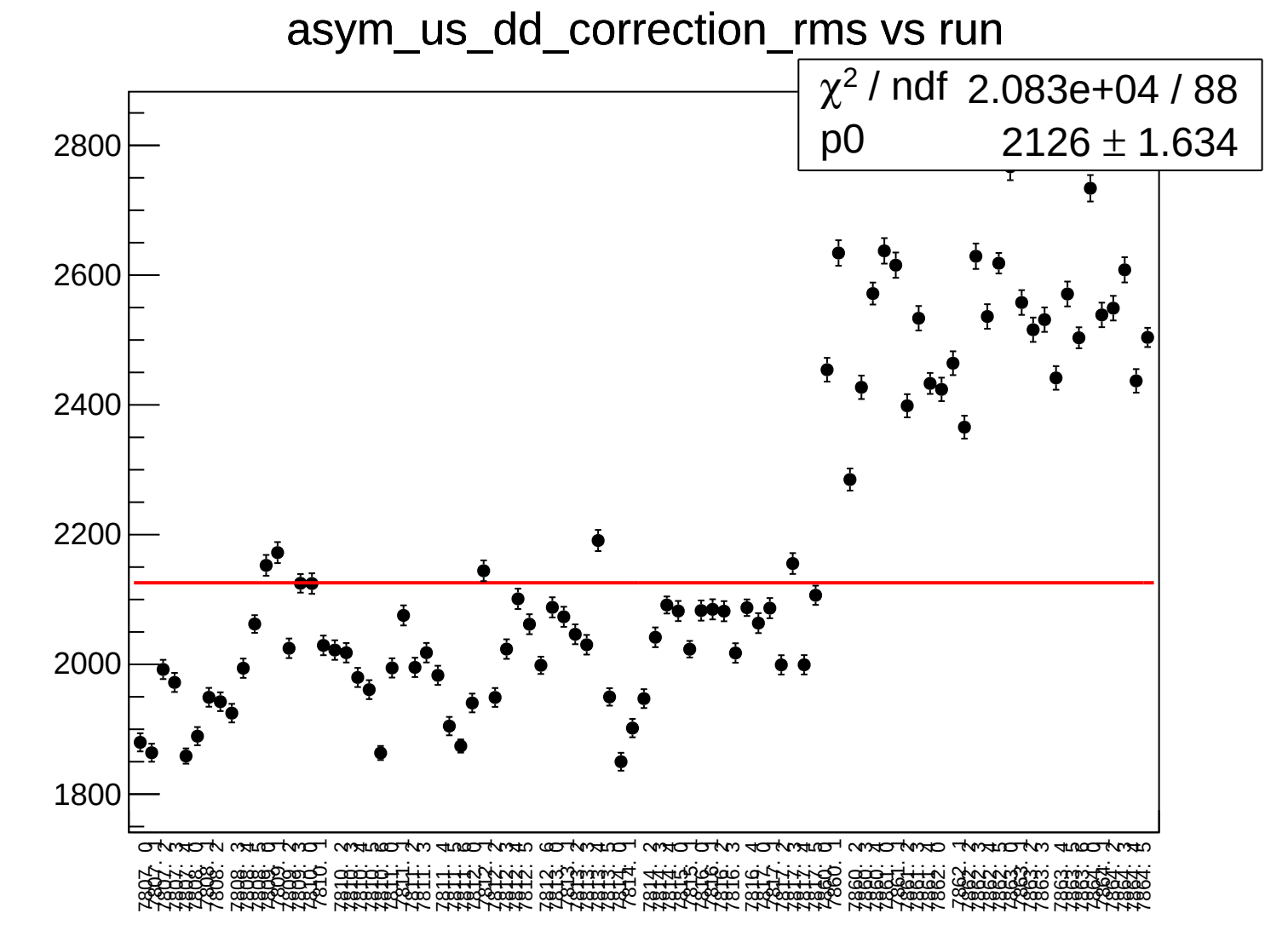

dit_asym_us_dd_mean vs run
χ² / ndf 83.19 / 88
p0 −1038 ± 828.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −2118
Std Dev 2161
2
1
0
−1
−2

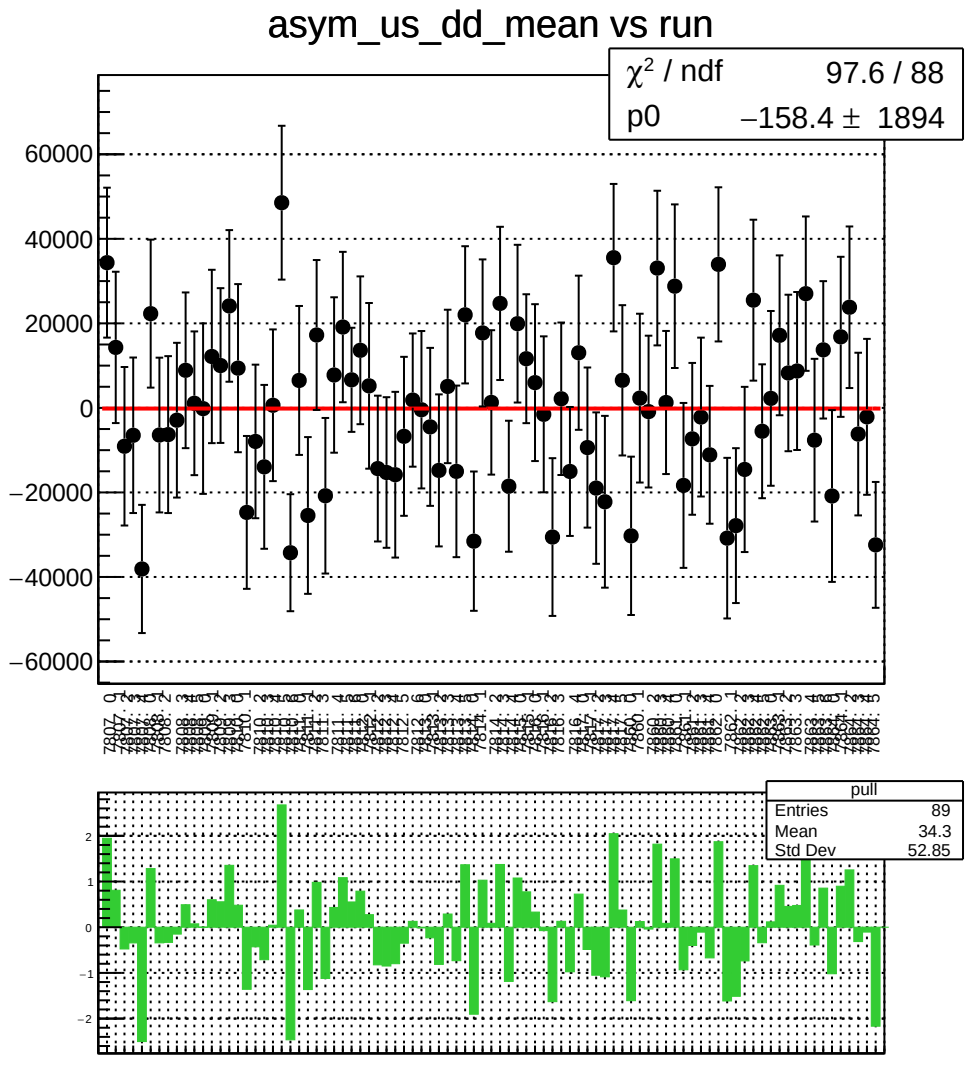

pull1D
Entries 89
Mean 0.0009496
Std Dev 0.9668
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

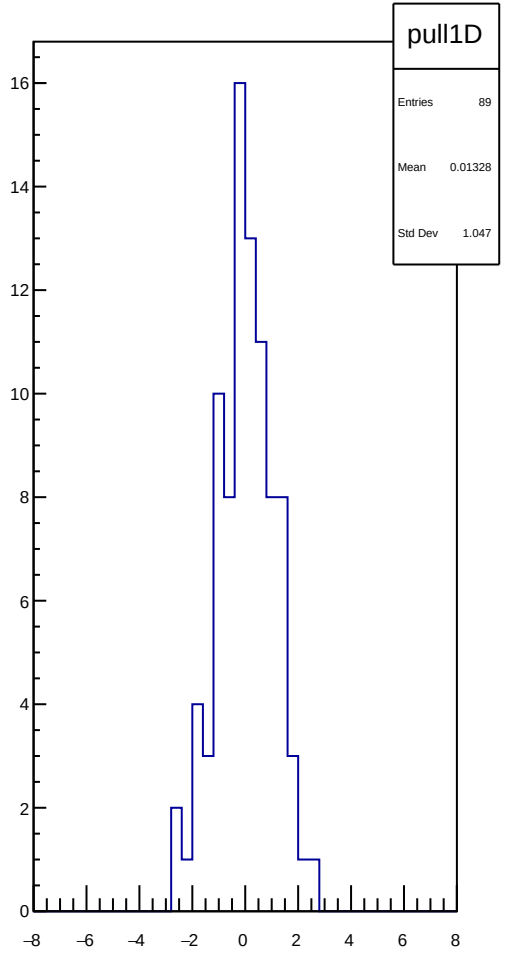

dit_asym_us_dd_rms vs run
χ² / ndf 83.57 / 88
p0 766.5 ± 0.5856
785
780
775
770
765
760
755
750
745

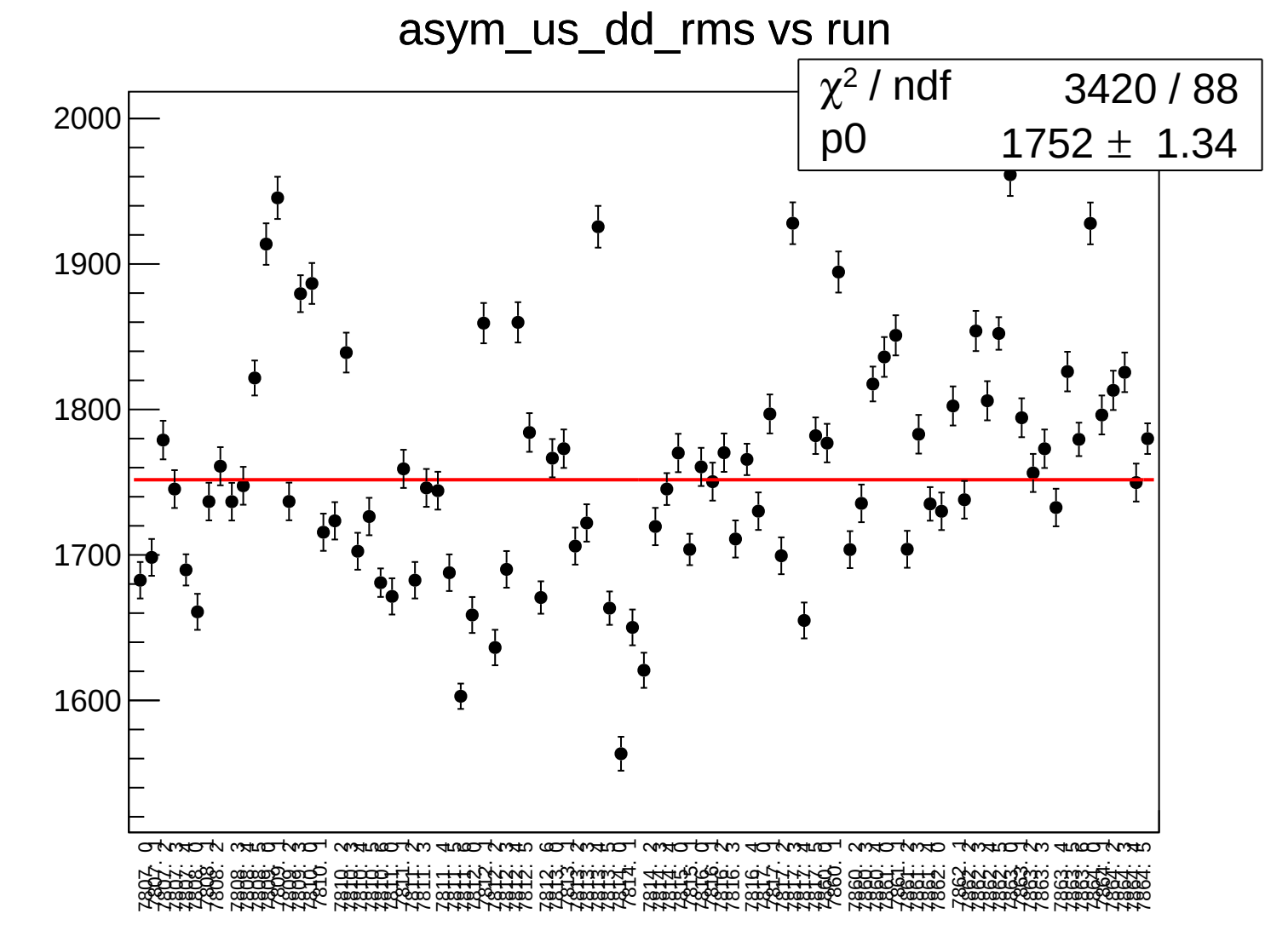

asym_us_dd_correction_mean vs run
χ² / ndf 85.22 / 88
p0 4089 ± 2311
pull
Entries 89
Mean 73.17
Std Dev 11.41

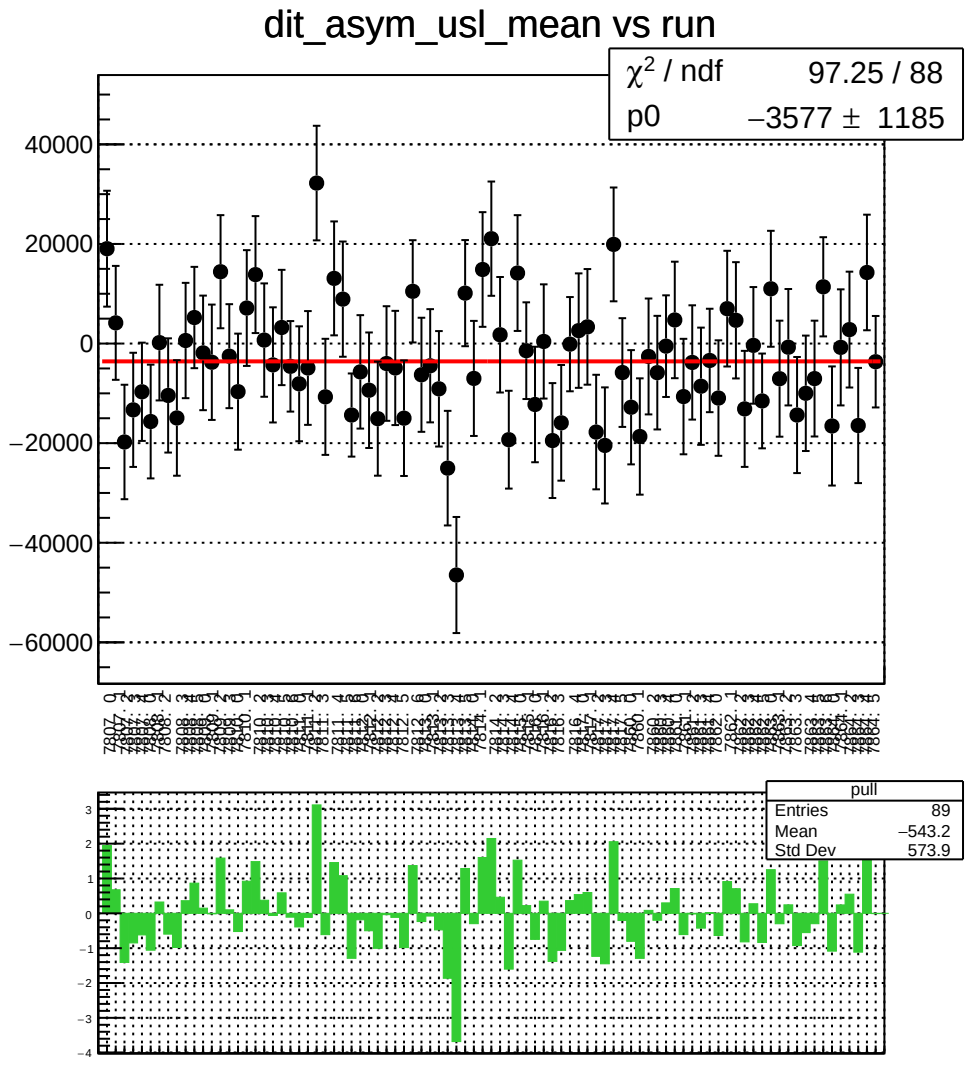

pull1D
Entries 89
Mean 0.01626
Std Dev 0.9784

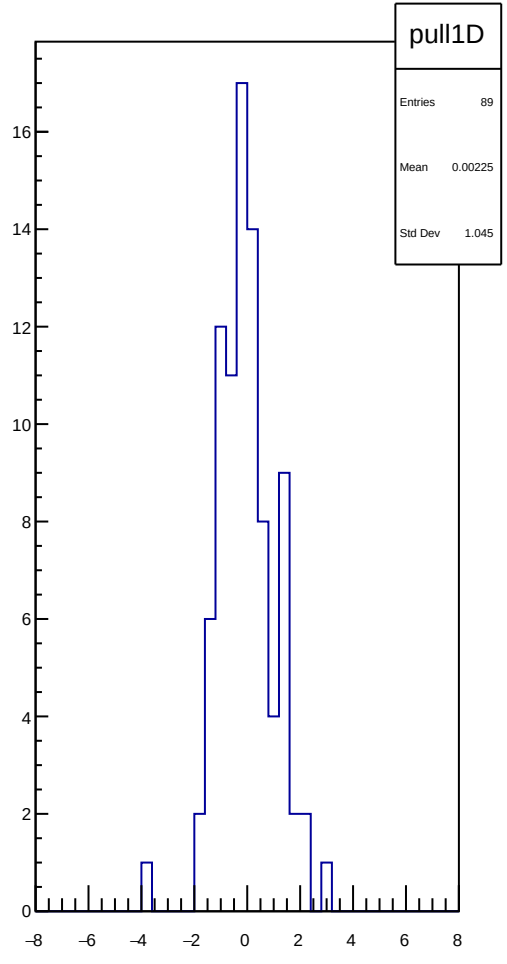

asym_us_dd_correction_rms vs run
χ² / ndf 2.083e+04 / 88
p0 2126 ± 1.634
2800
2600
2400
2200
2000
1800

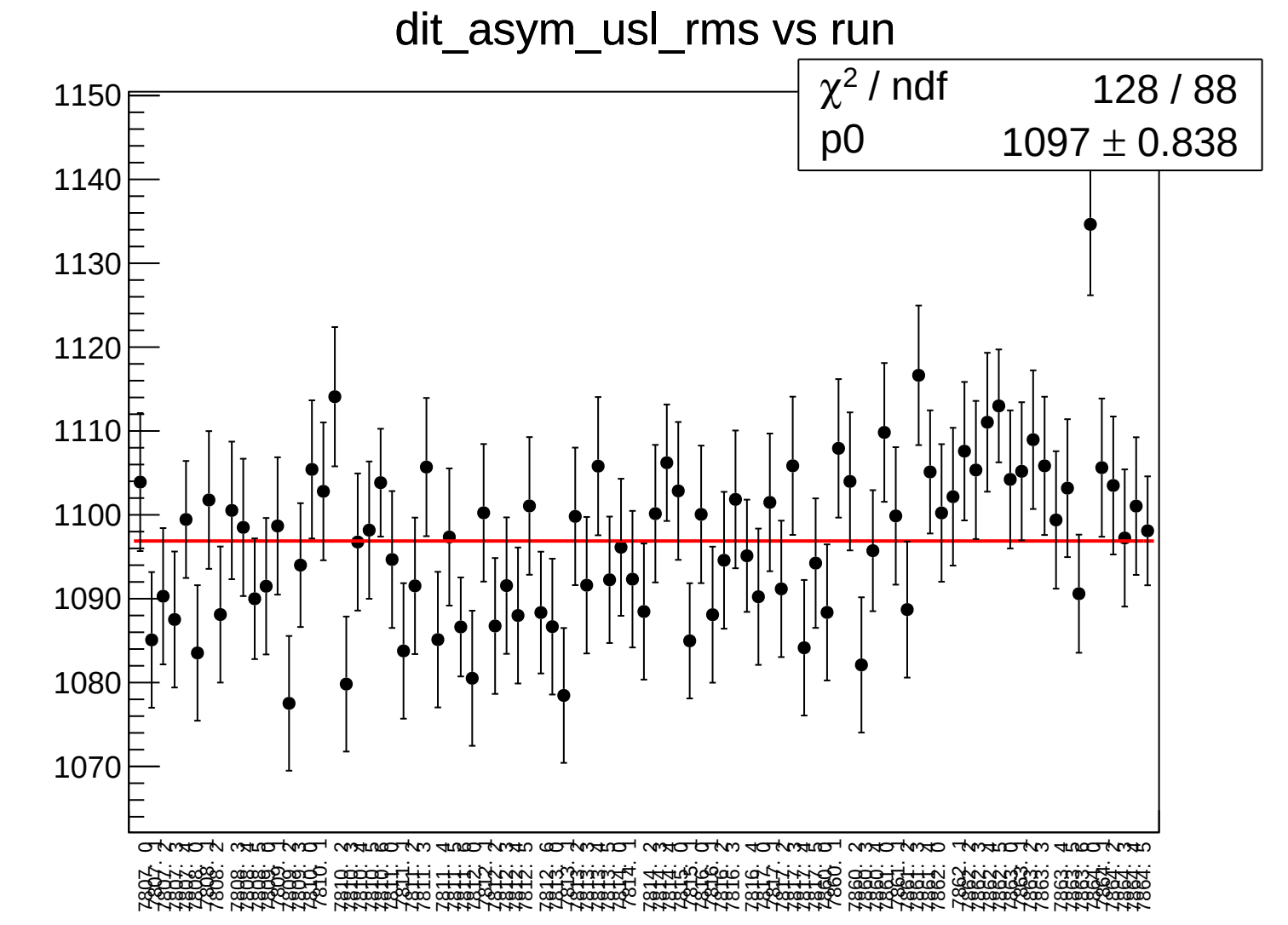

asym_us_dd_mean vs run
χ² / ndf 97.6 / 88
p0 −158.4 ± 1894
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 34.3
Std Dev 52.85
2
1
0
−1
−2

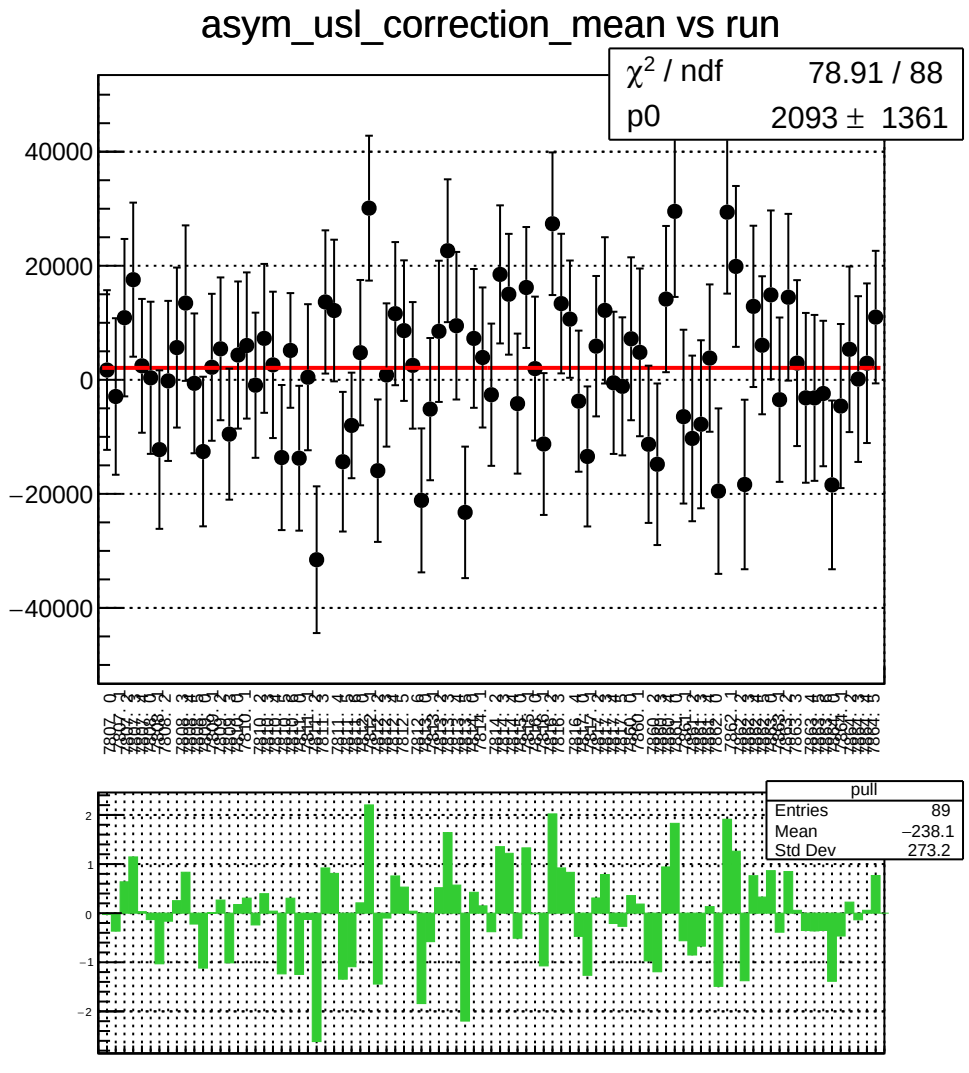

pull1D
Entries 89
Mean 0.01328
Std Dev 1.047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

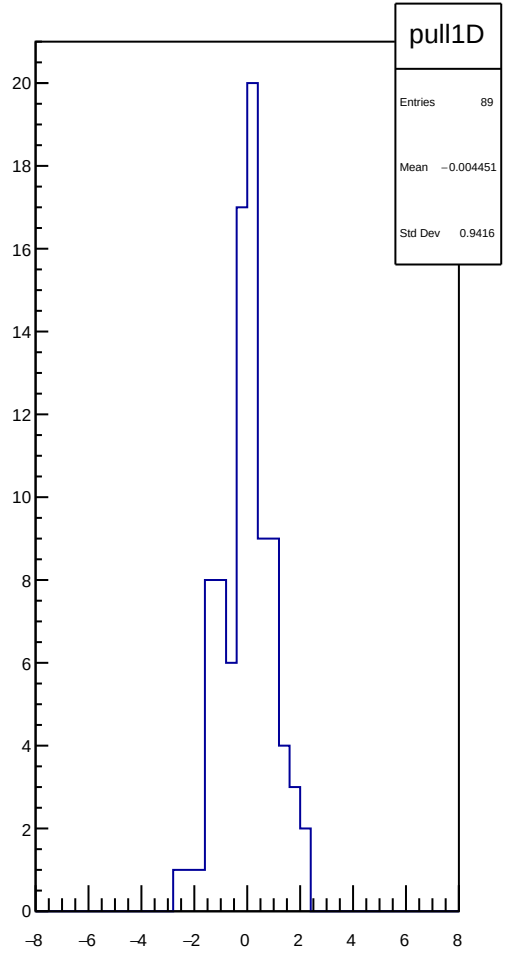

asym_us_dd_rms vs run
χ² / ndf 3420 / 88
p0 1752 ± 1.34
2000
1900
1800
1700
1600

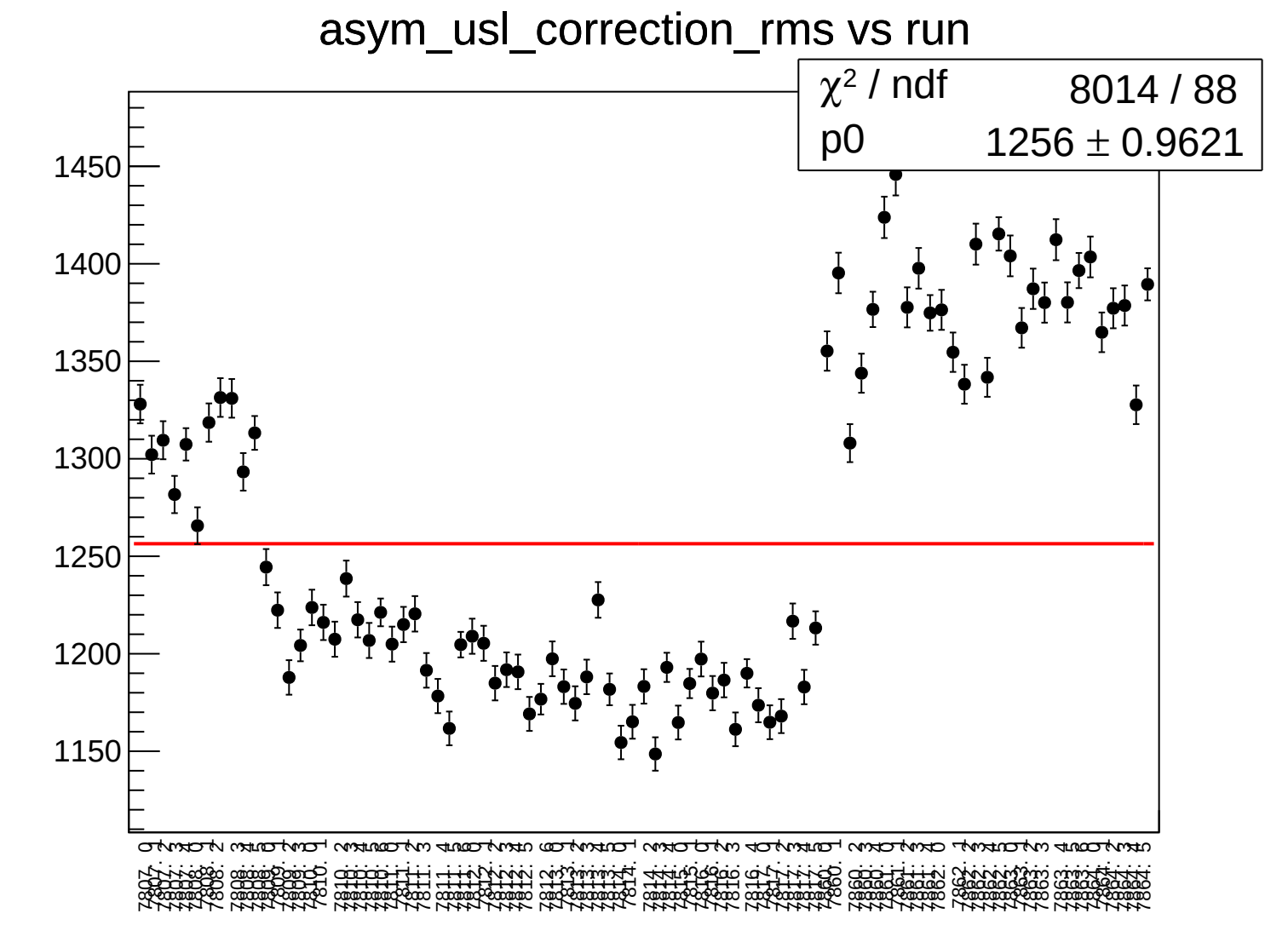

dit_asym_usl_mean vs run
χ² / ndf 97.25 / 88
p0 −3577 ± 1185
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −543.2
Std Dev 573.9
3
2
1
0
−1
−2
−3
−4

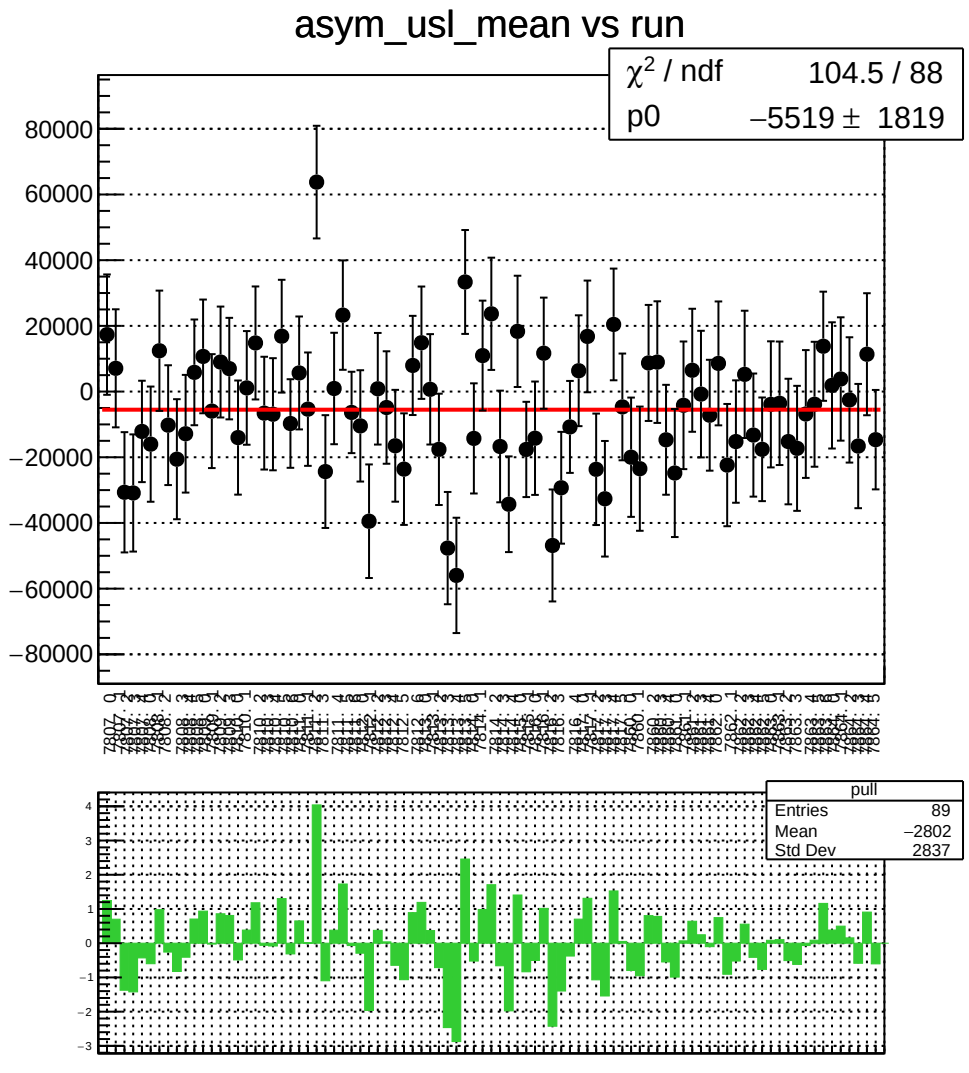

pull1D
Entries 89
Mean 0.00225
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

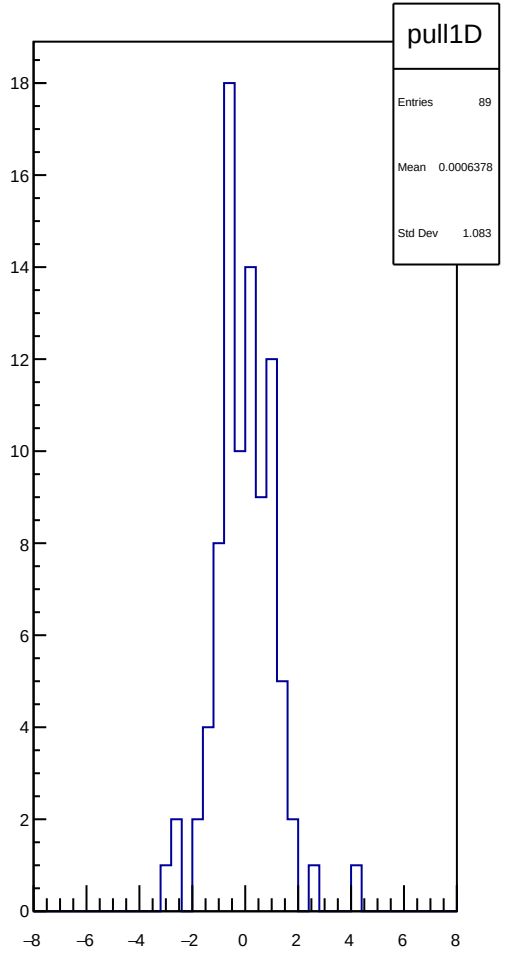

dit_asym_usl_rms vs run
χ² / ndf 128 / 88
p0 1097 ± 0.838
1150
1140
1130
1120
1110
1100
1090
1080
1070

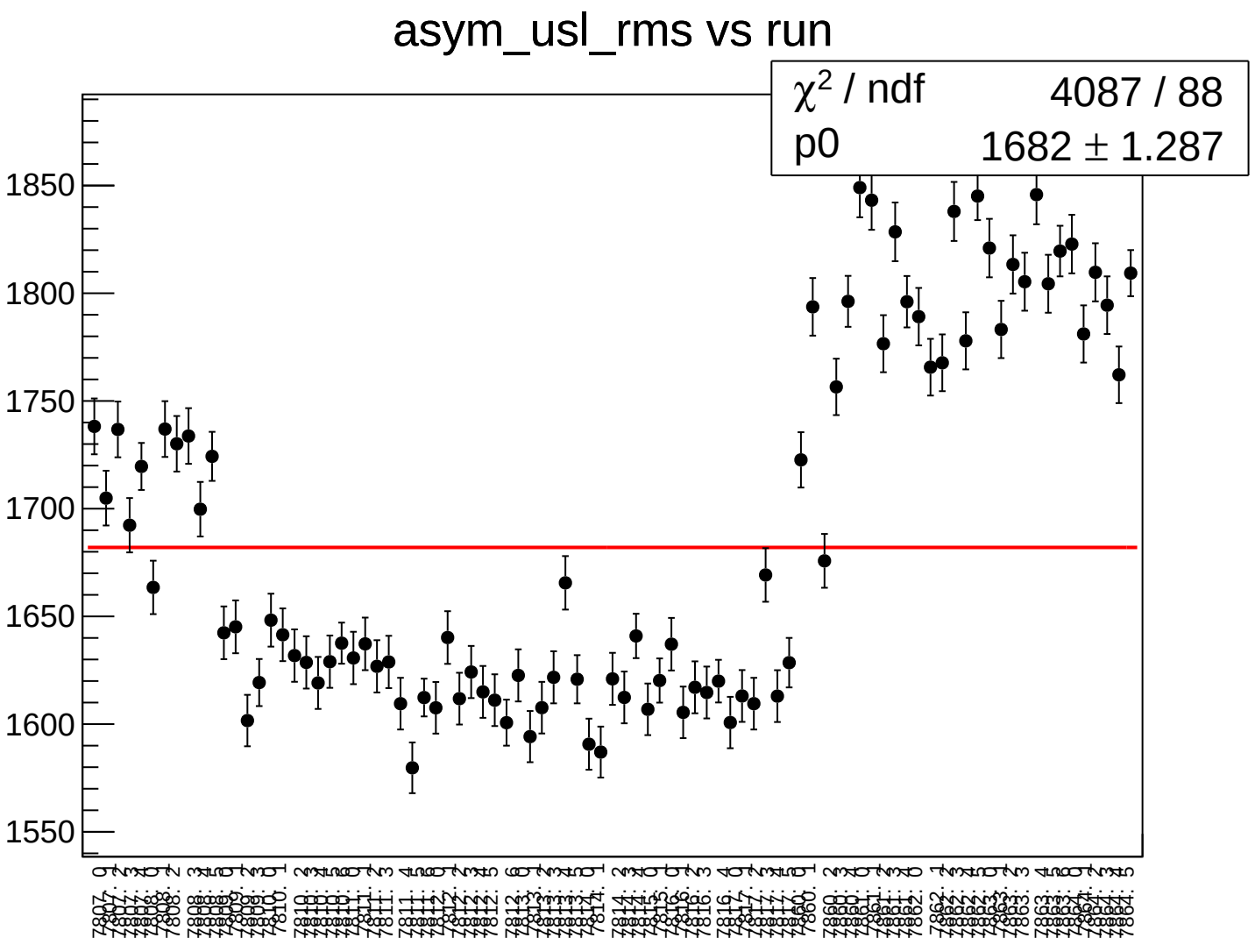

asym_usl_correction_mean vs run
χ² / ndf 78.91 / 88
p0 2093 ± 1361
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −238.1
Std Dev 273.2
2
1
0
−1
−2

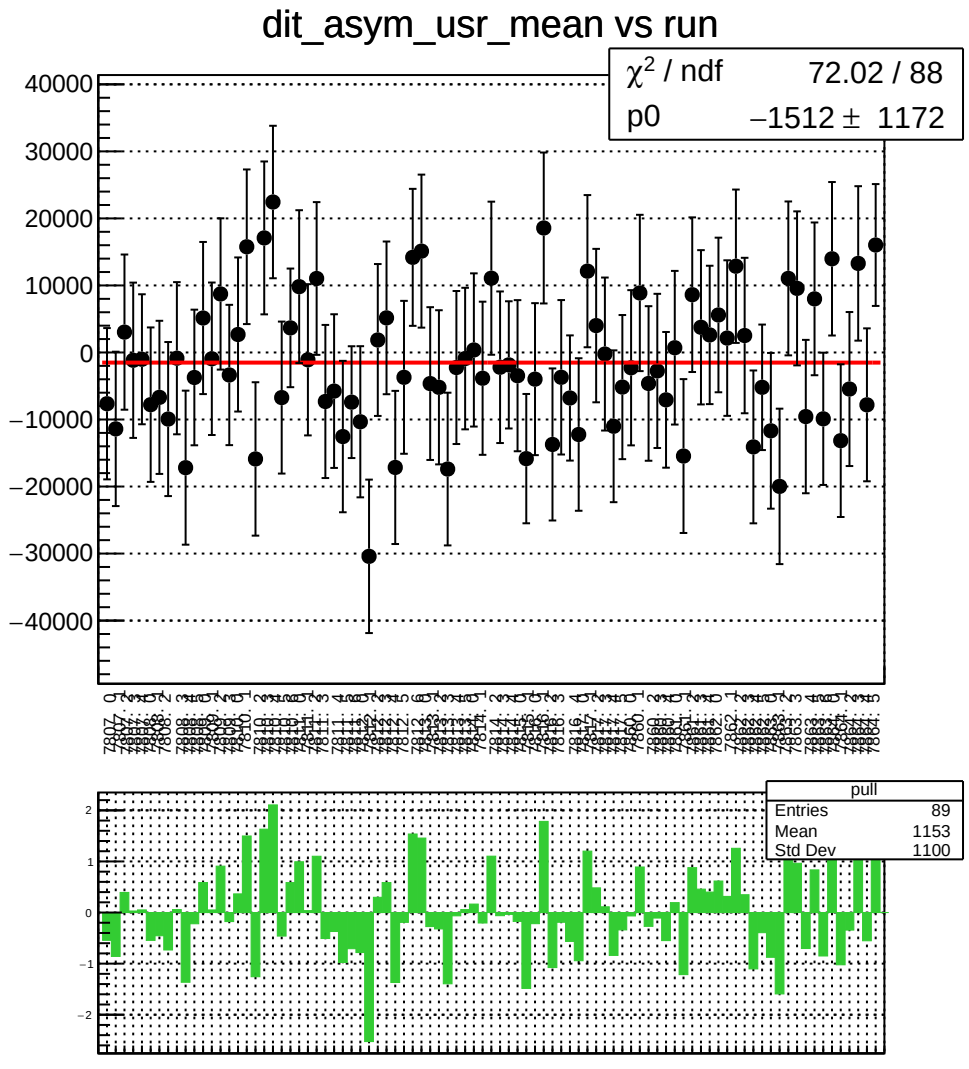

pull1D
Entries 89
Mean −0.004451
Std Dev 0.9416
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

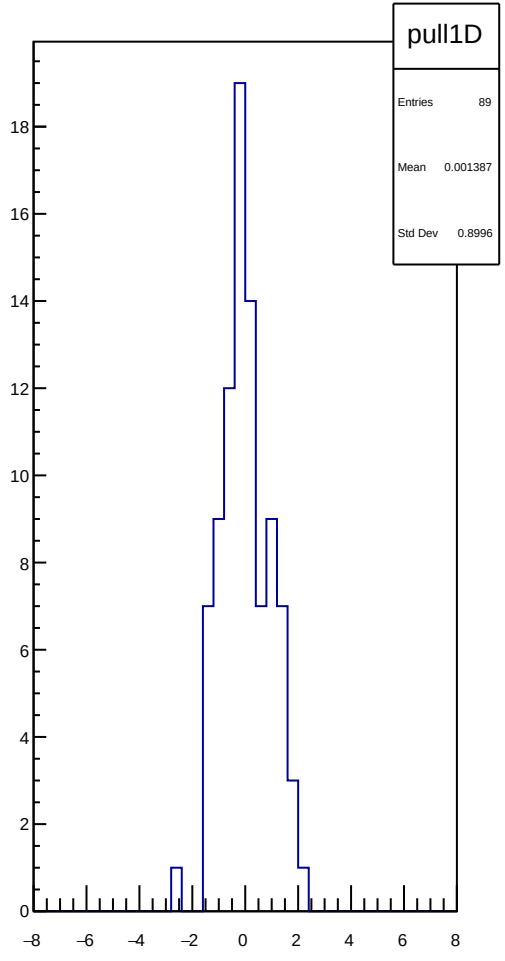

asym_usl_correction_rms vs run
χ² / ndf 8014 / 88
p0 1256 ± 0.9621
1450
1400
1350
1300
1250
1200
1150

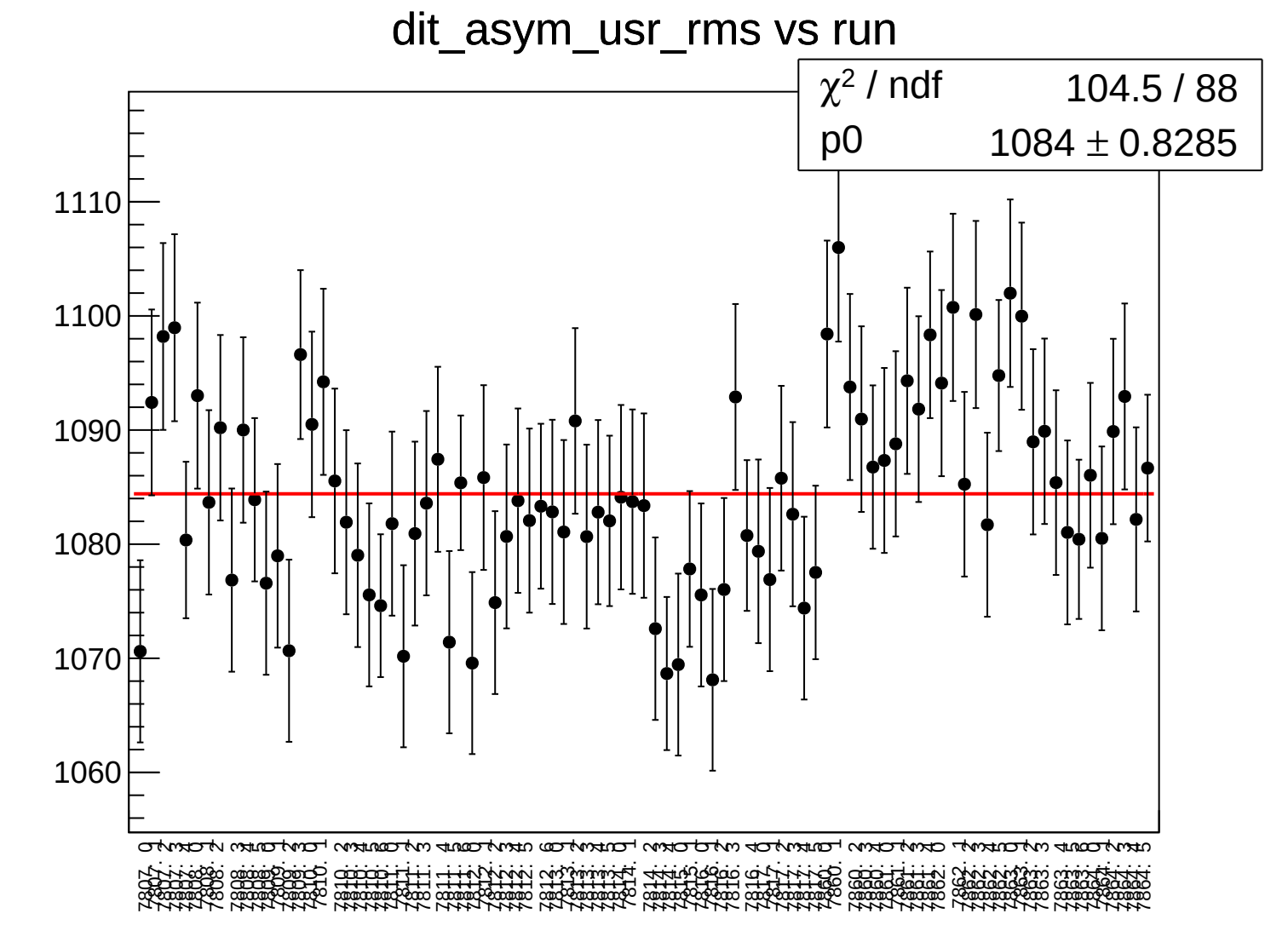

asym_usl_mean vs run
χ² / ndf 104.5 / 88
p0 −5519 ± 1819
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −2802
Std Dev 2837
4
3
2
1
0
−1
−2
−3

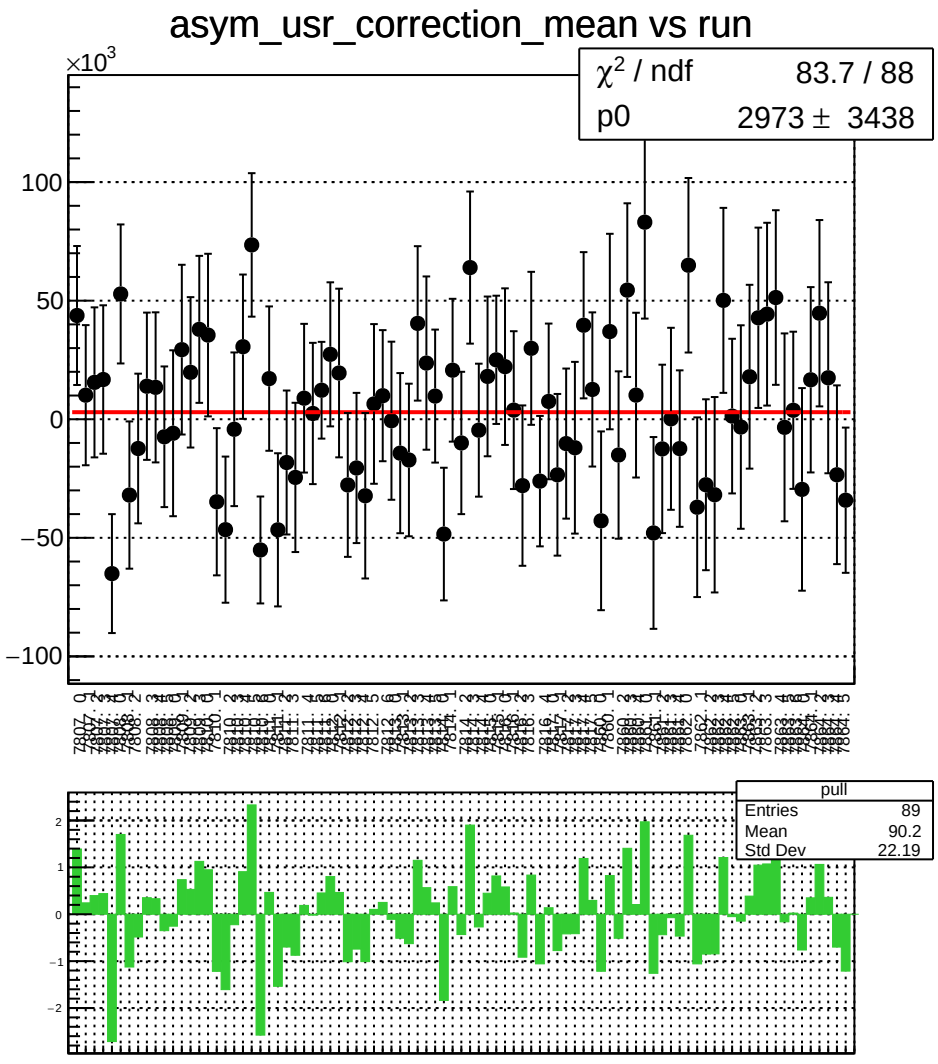

pull1D
Entries 89
Mean 0.0006378
Std Dev 1.083
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

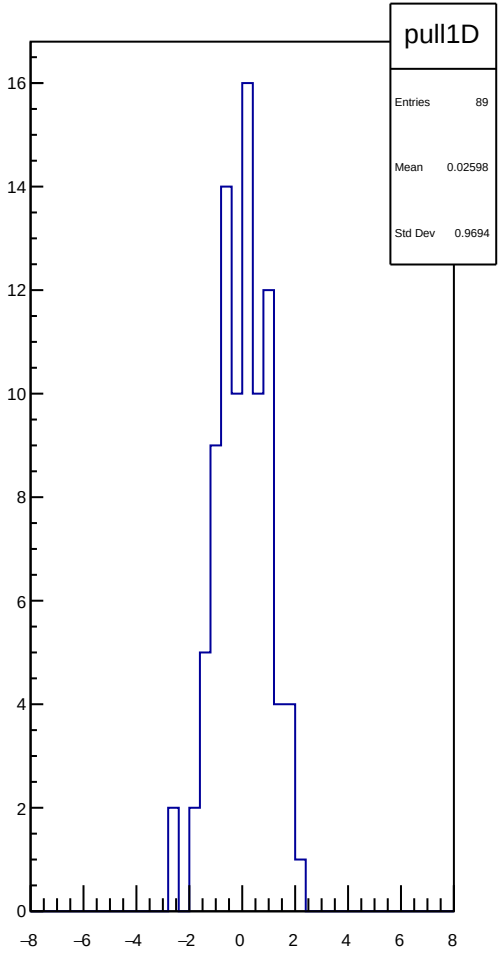

asym_usl_rms vs run
χ² / ndf 4087 / 88
p0 1682 ± 1.287
1850
1800
1750
1700
1650
1600
1550

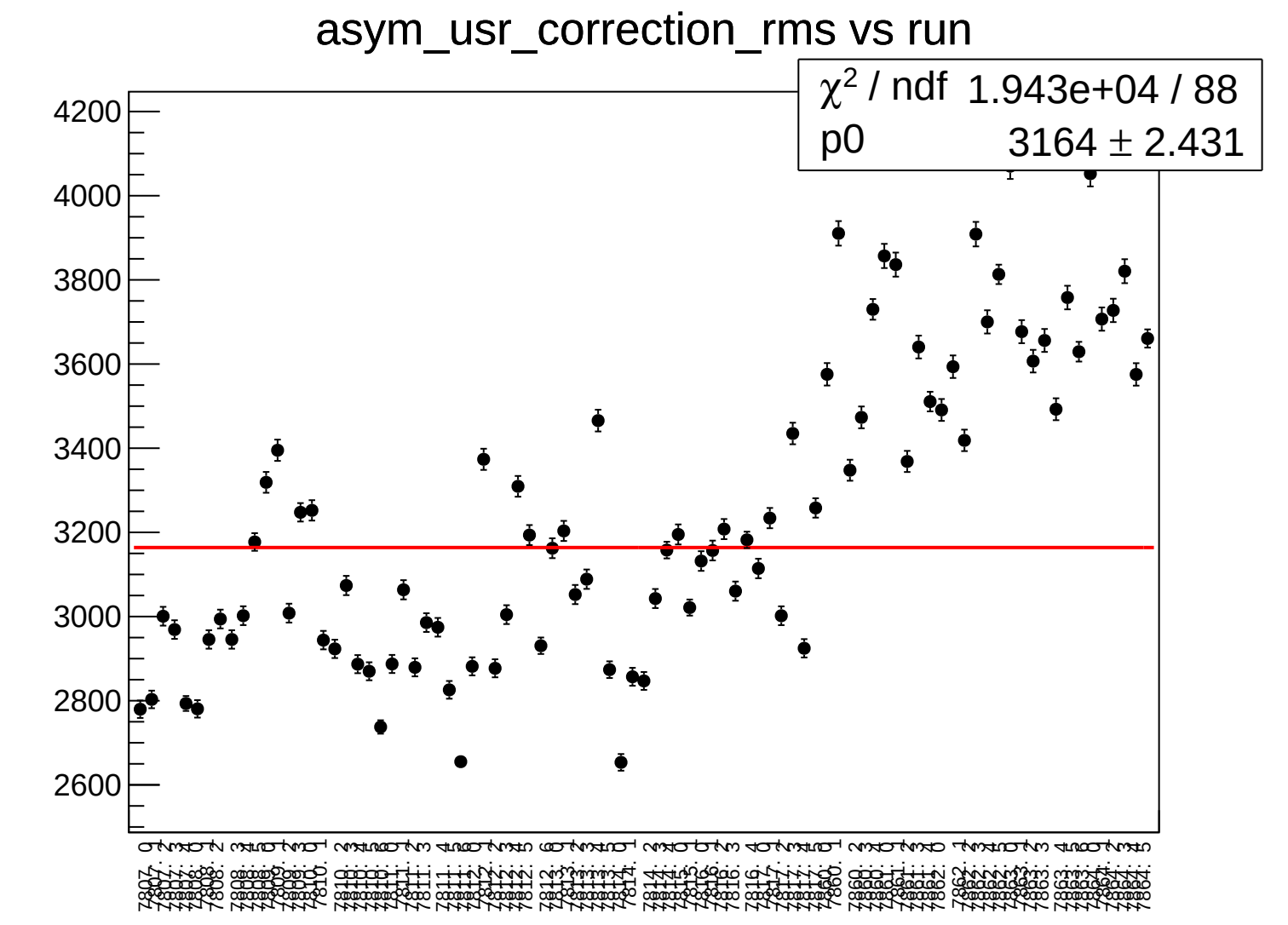

dit_asym_usr_mean vs run
χ² / ndf 72.02 / 88
p0 −1512 ± 1172
pull
Entries 89
Mean 1153
Std Dev 1100

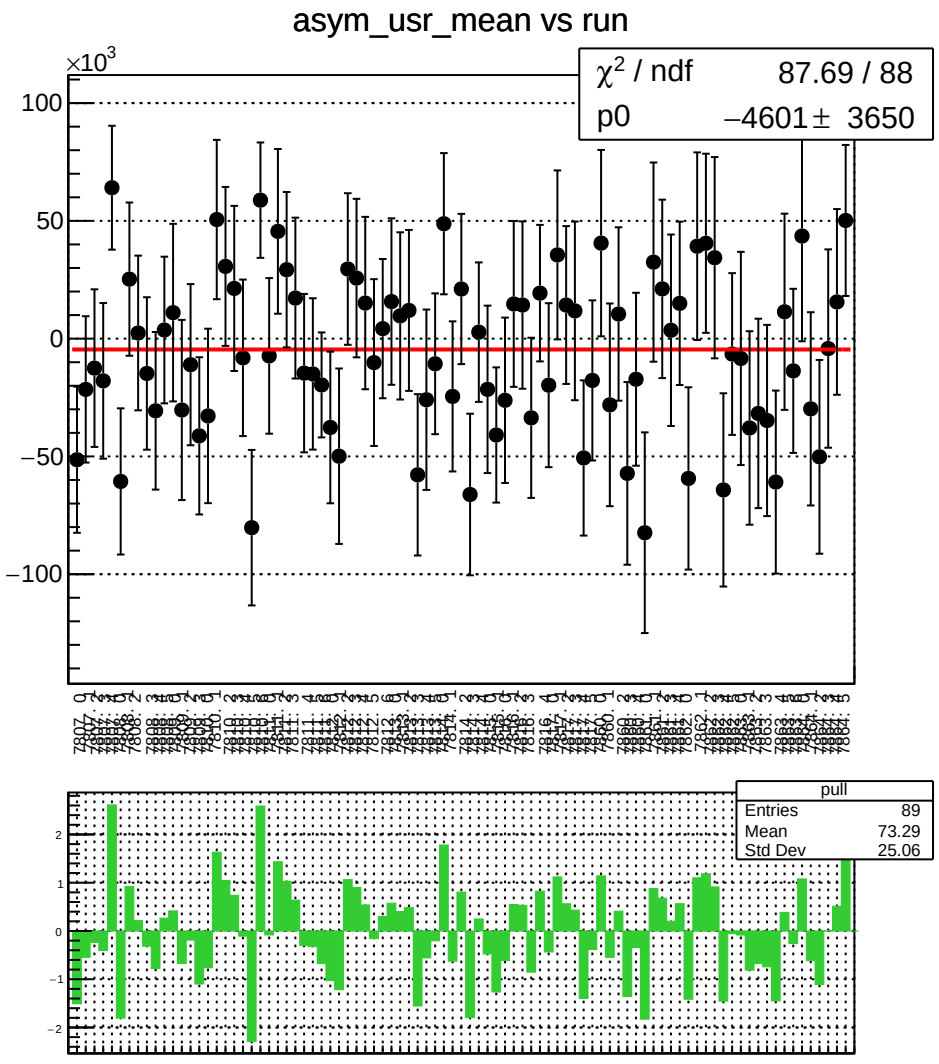

pull1D
Entries 89
Mean 0.001387
Std Dev 0.8996

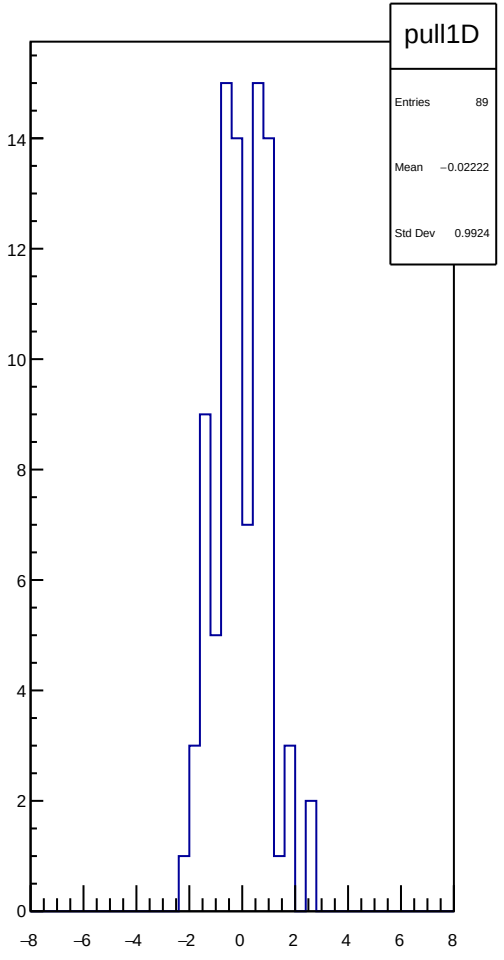

dit_asym_usr_rms vs run
χ² / ndf 104.5 / 88
p0 1084 ± 0.8285
1110
1100
1090
1080
1070
1060

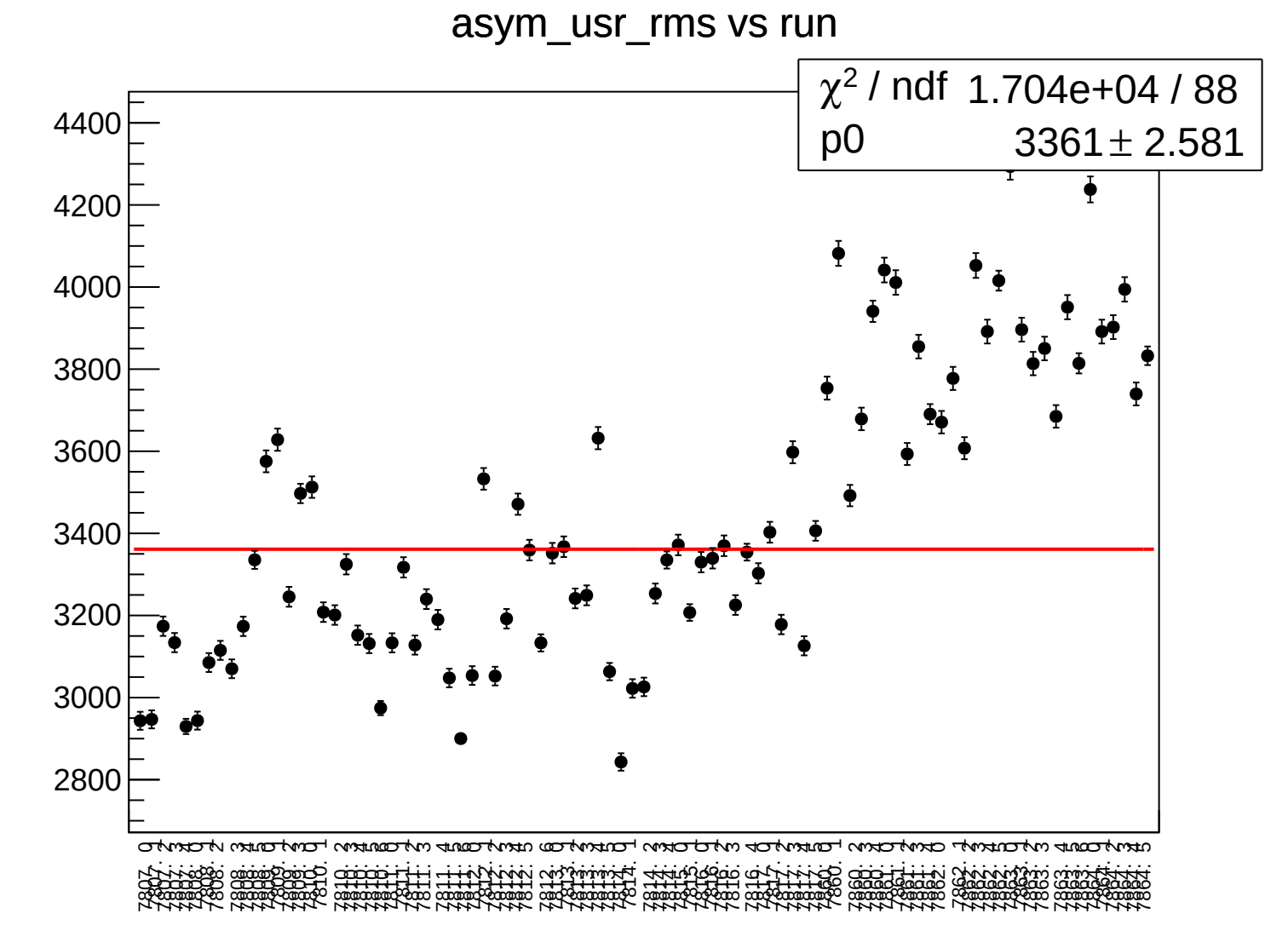

asym_usr_correction_mean vs run
×10^3
χ^2 / ndf 83.7 / 88
p0 2973 ± 3438
100
50
0
−50
−100
pull
Entries 89
Mean 90.2
Std Dev 22.19
2
1
0
−1
−2

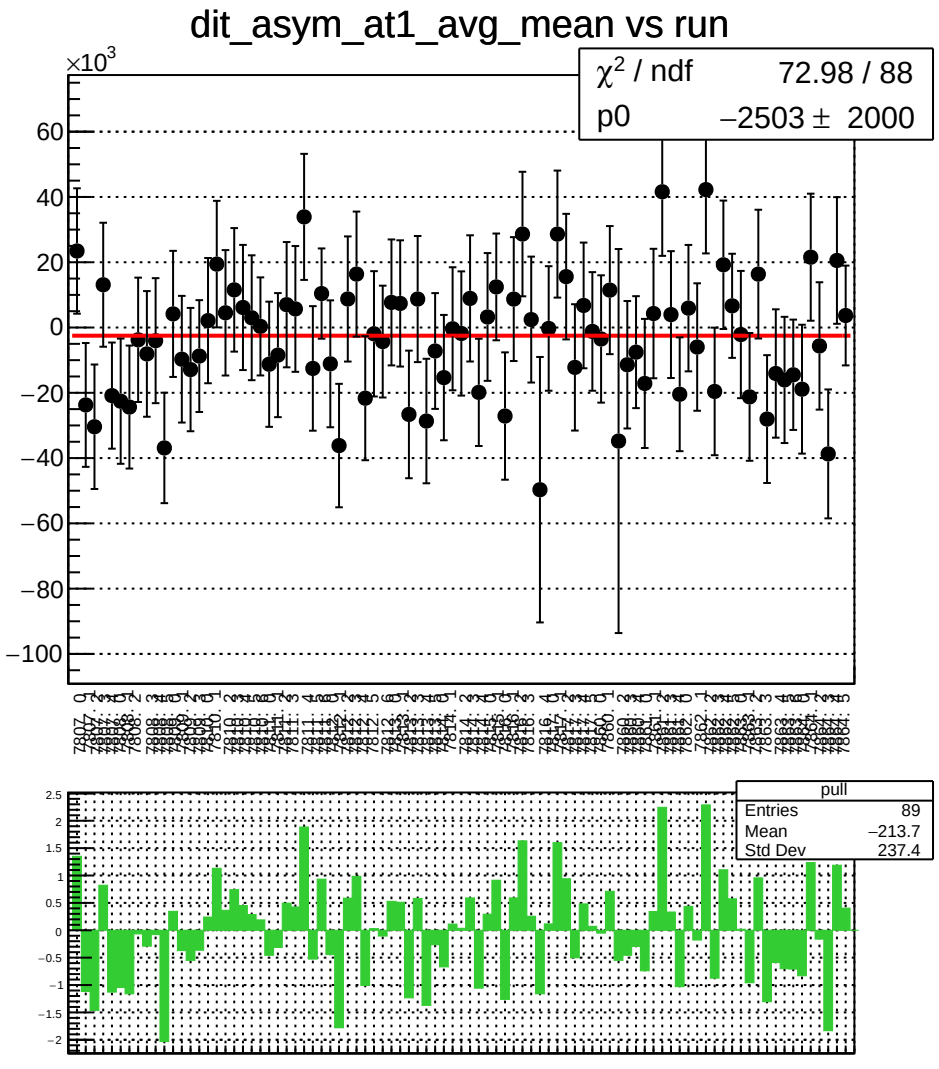

pull1D
Entries 89
Mean 0.02598
Std Dev 0.9694
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

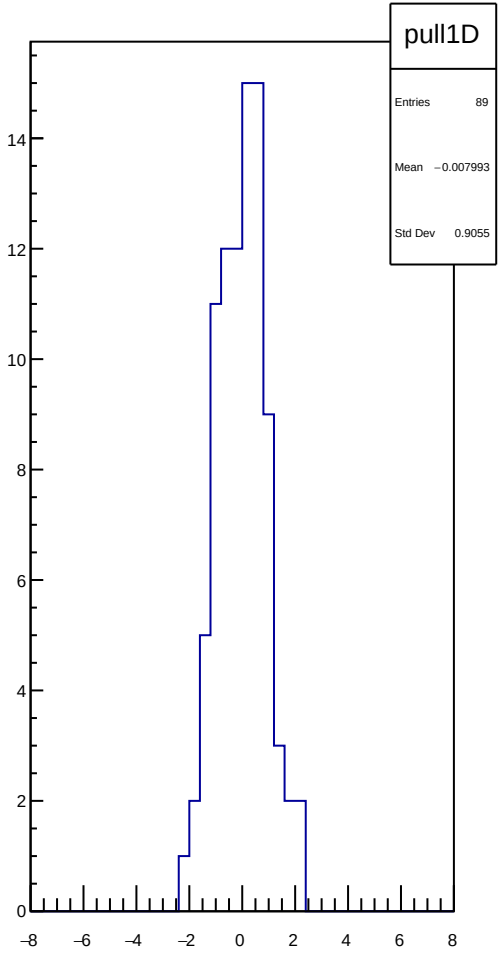

asym_usr_correction_rms vs run
χ² / ndf 1.943e+04 / 88
p0 3164 ± 2.431
4200
4000
3800
3600
3400
3200
3000
2800
2600

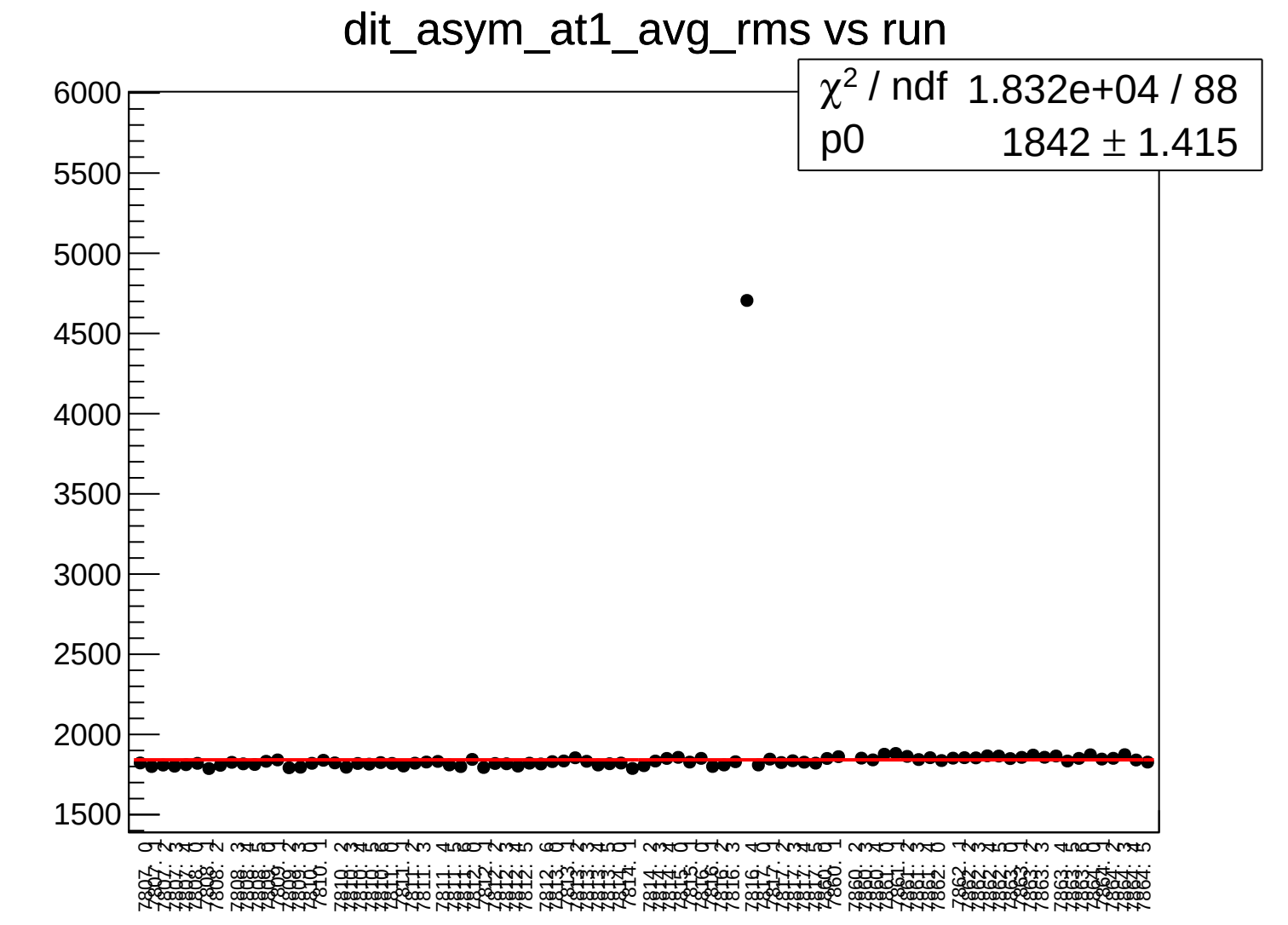

asym_usr_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 87.69 / 88
p0 −4601 ± 3650
pull
Entries 89
Mean 73.29
Std Dev 25.06
2
1
0
−1
−2

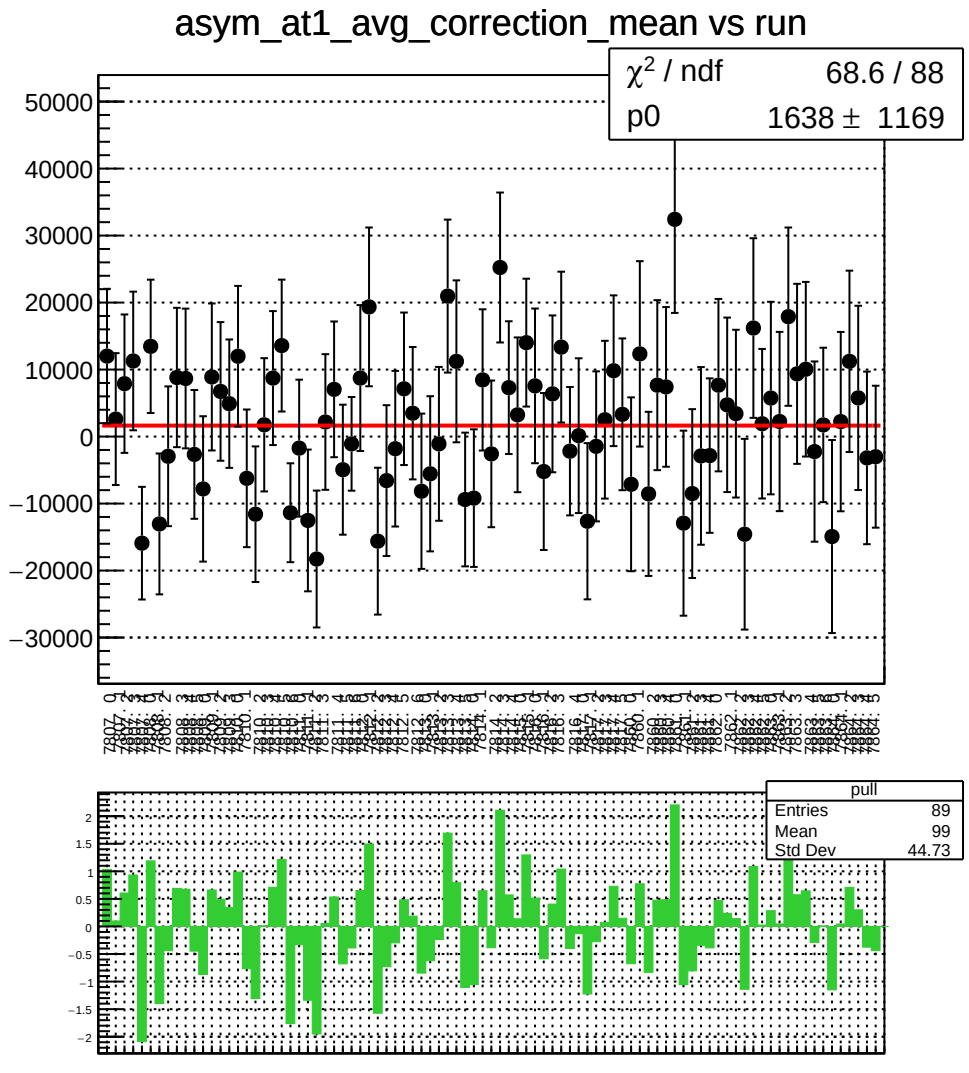

pull1D
Entries 89
Mean −0.02222
Std Dev 0.9924
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

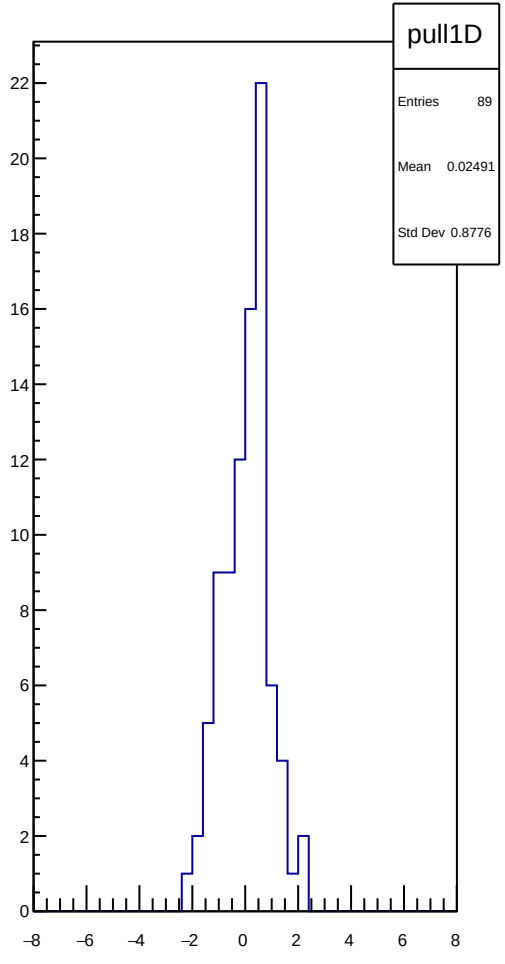

asym_usr_rms vs run
χ² / ndf 1.704e+04 / 88
p0 3361 ± 2.581
4400
4200
4000
3800
3600
3400
3200
3000
2800

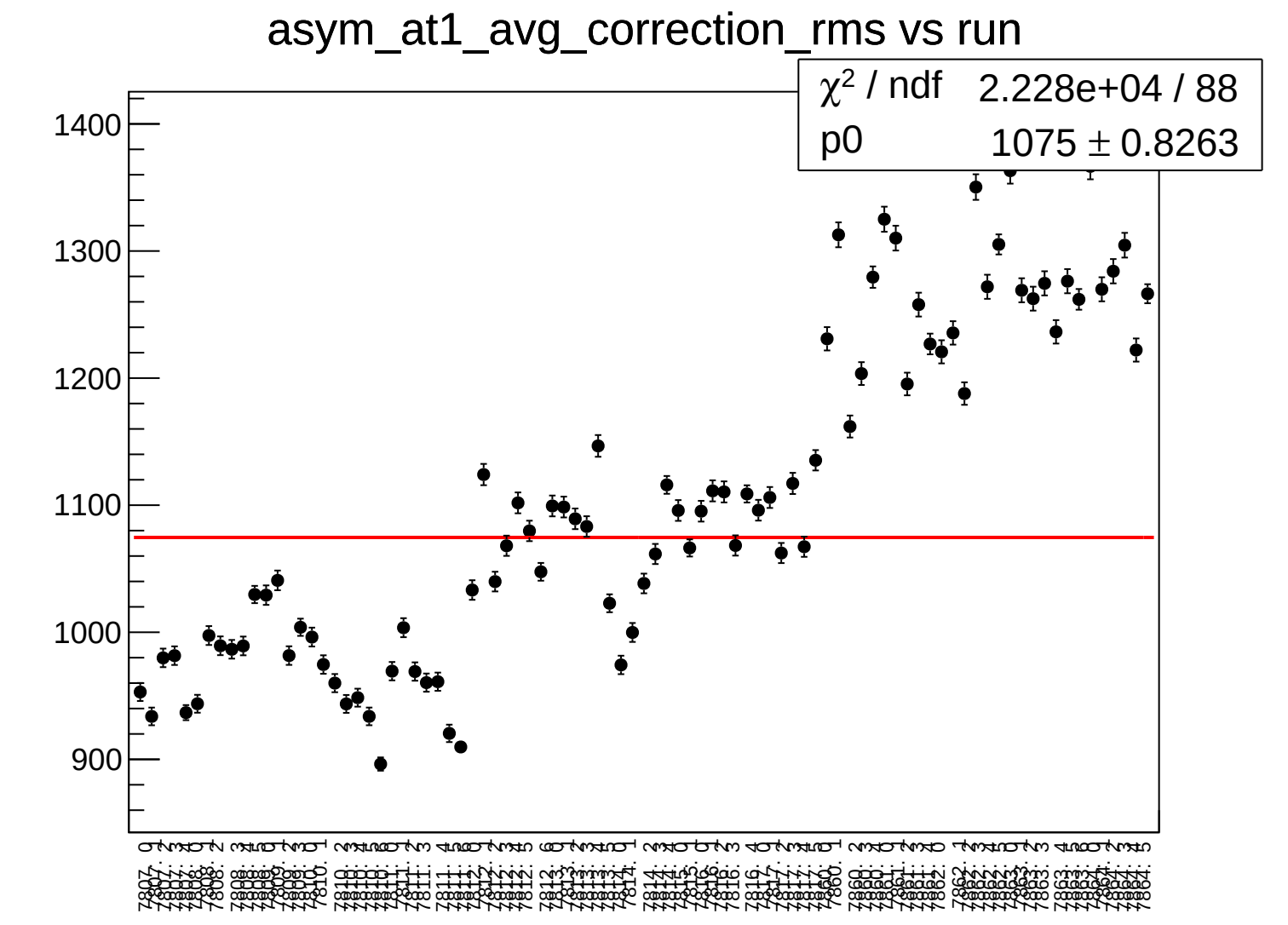

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 72.98 / 88
p0 −2503 ± 2000
pull
Entries 89
Mean −213.7
Std Dev 237.4

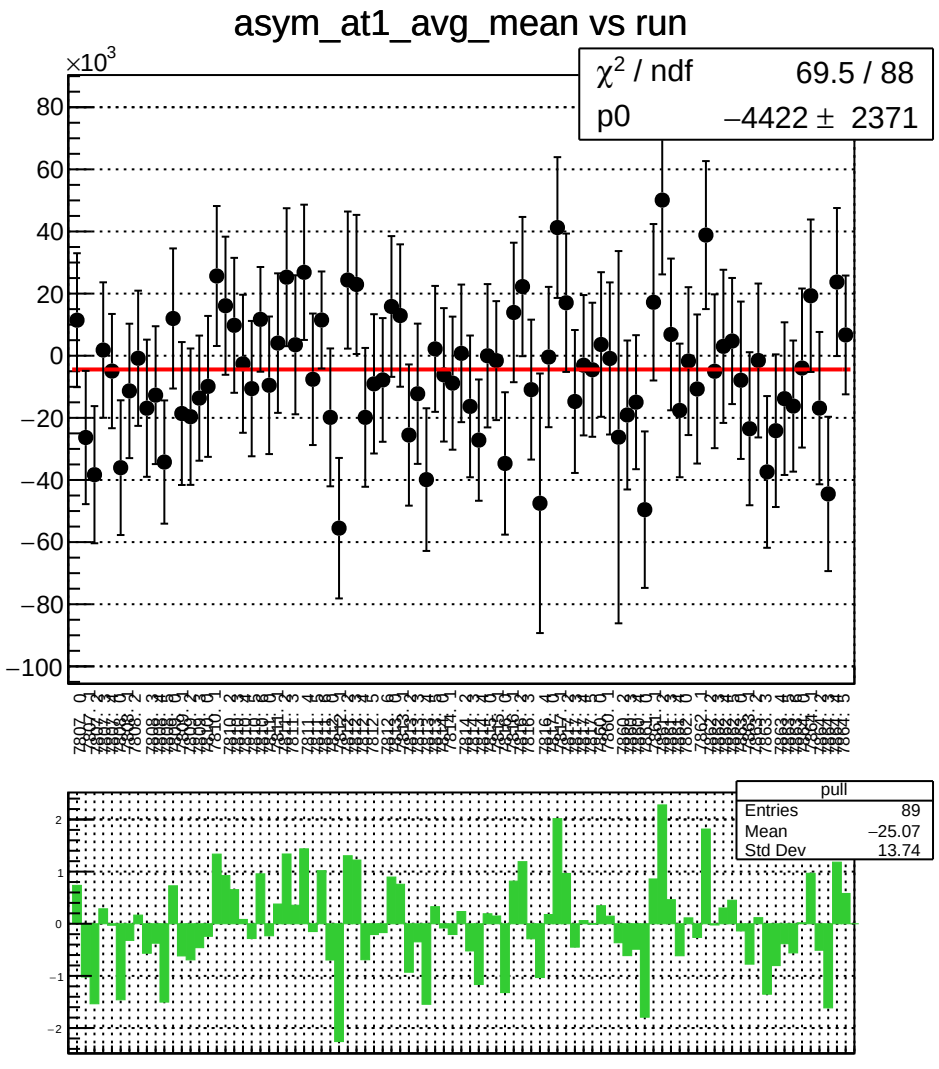

pull1D
Entries 89
Mean −0.007993
Std Dev 0.9055

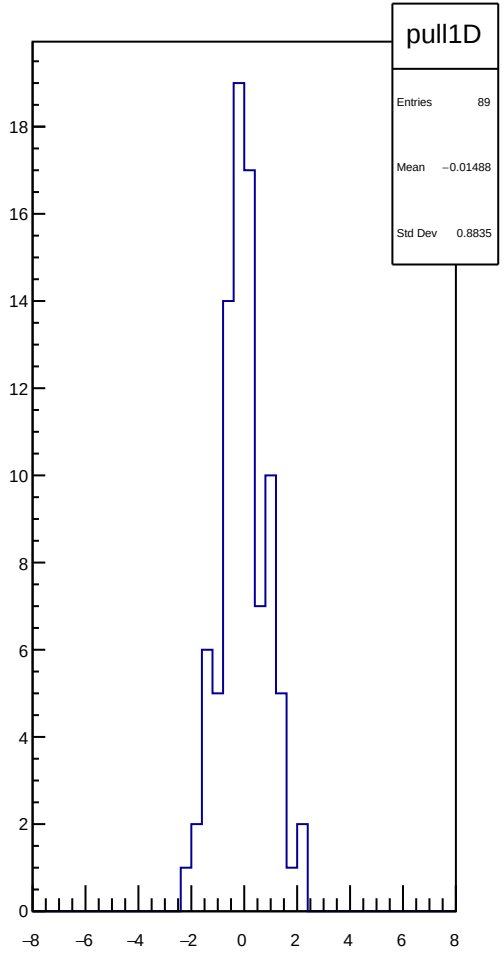

dit_asym_at1_avg_rms vs run
χ² / ndf 1.832e+04 / 88
p0 1842 ± 1.415
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

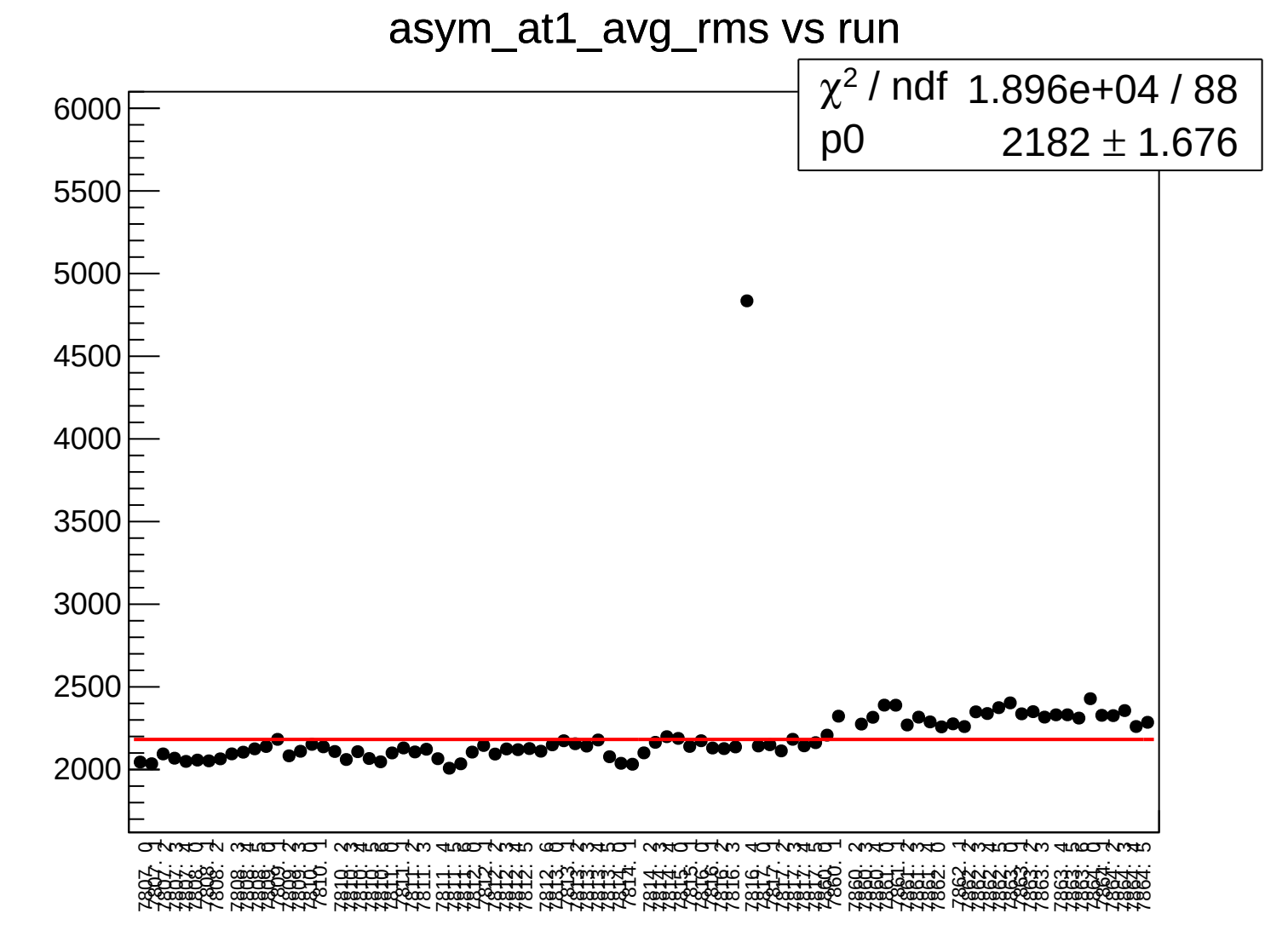

asym_at1_avg_correction_mean vs run
χ² / ndf 68.6 / 88
p0 1638 ± 1169
pull
Entries 89
Mean 99
Std Dev 44.73

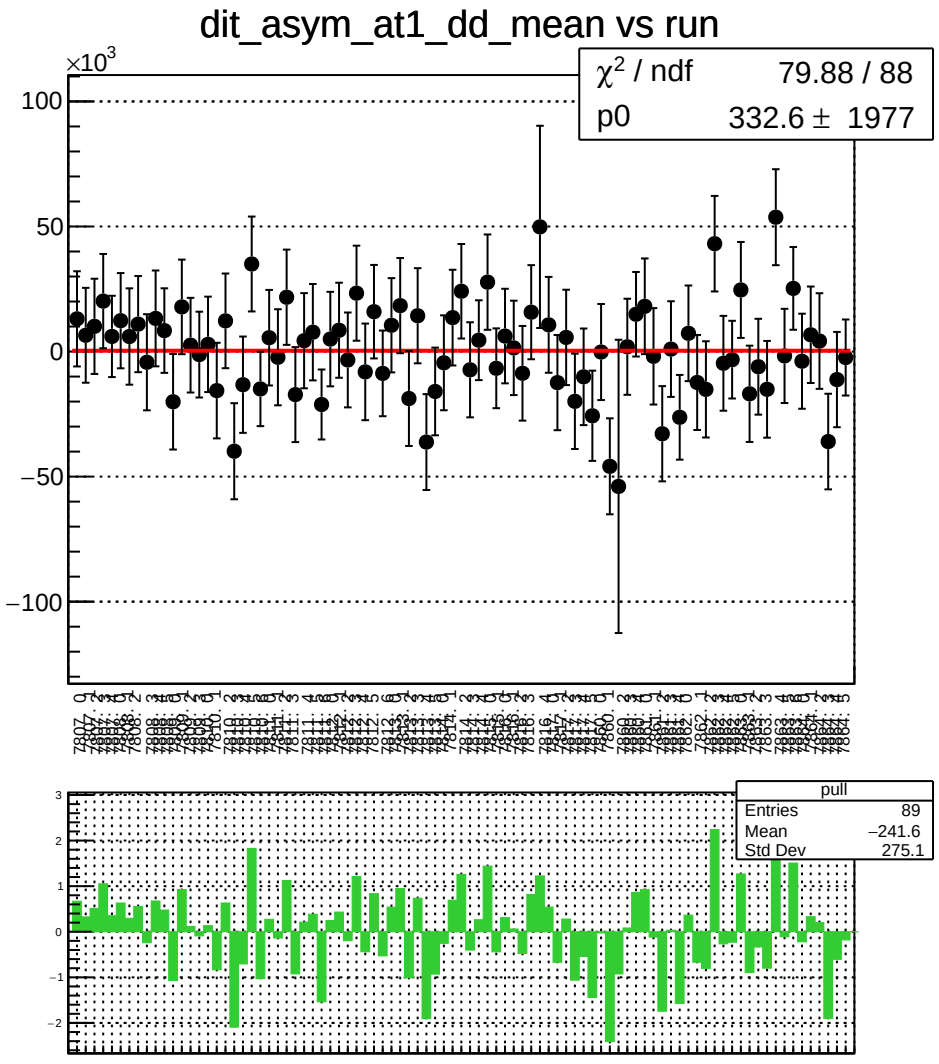

pull1D
Entries 89
Mean 0.02491
Std Dev 0.8776

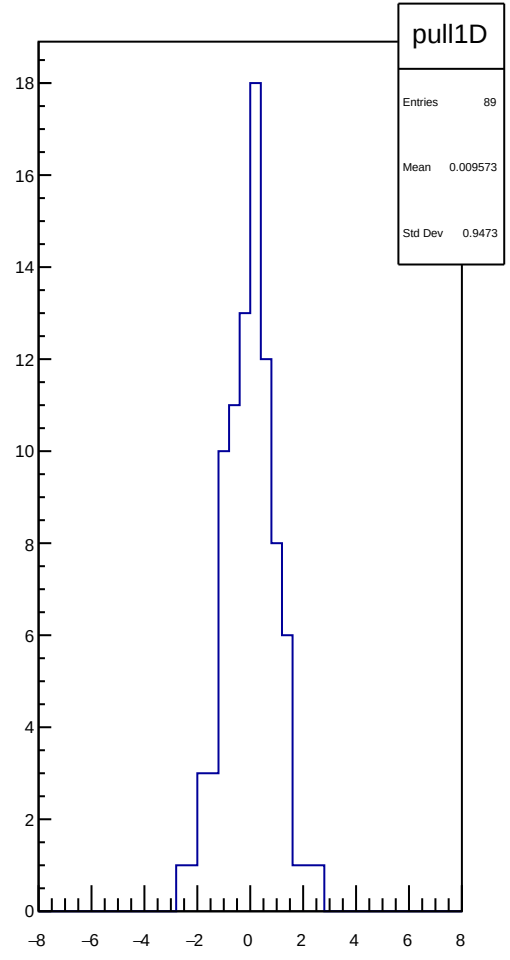

asym_at1_avg_correction_rms vs run
χ² / ndf 2.228e+04 / 88
p0 1075 ± 0.8263
1400
1300
1200
1100
1000
900

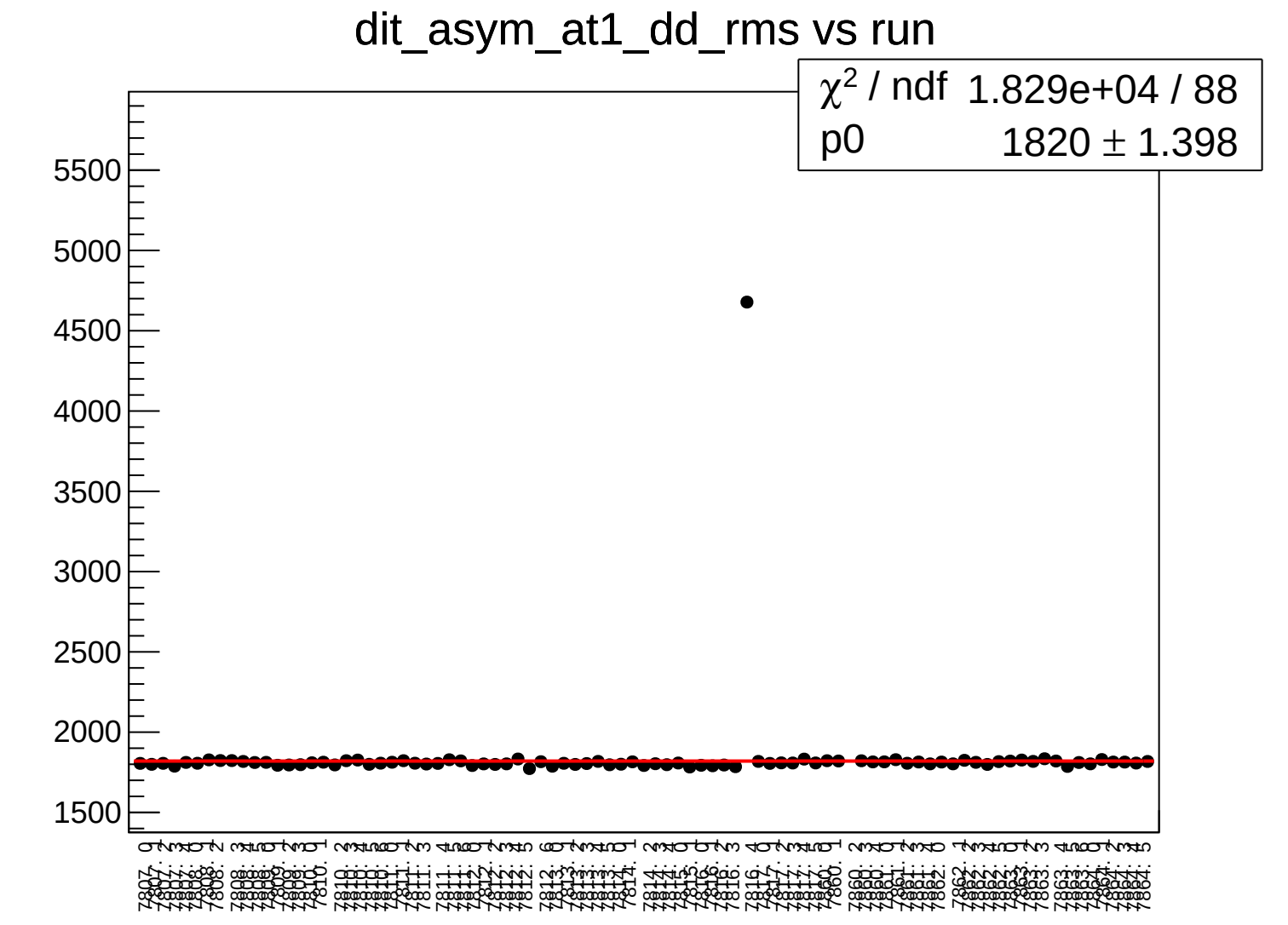

asym_at1_avg_mean vs run
×10^3
χ² / ndf 69.5 / 88
p0 −4422 ± 2371
pull
Entries 89
Mean −25.07
Std Dev 13.74

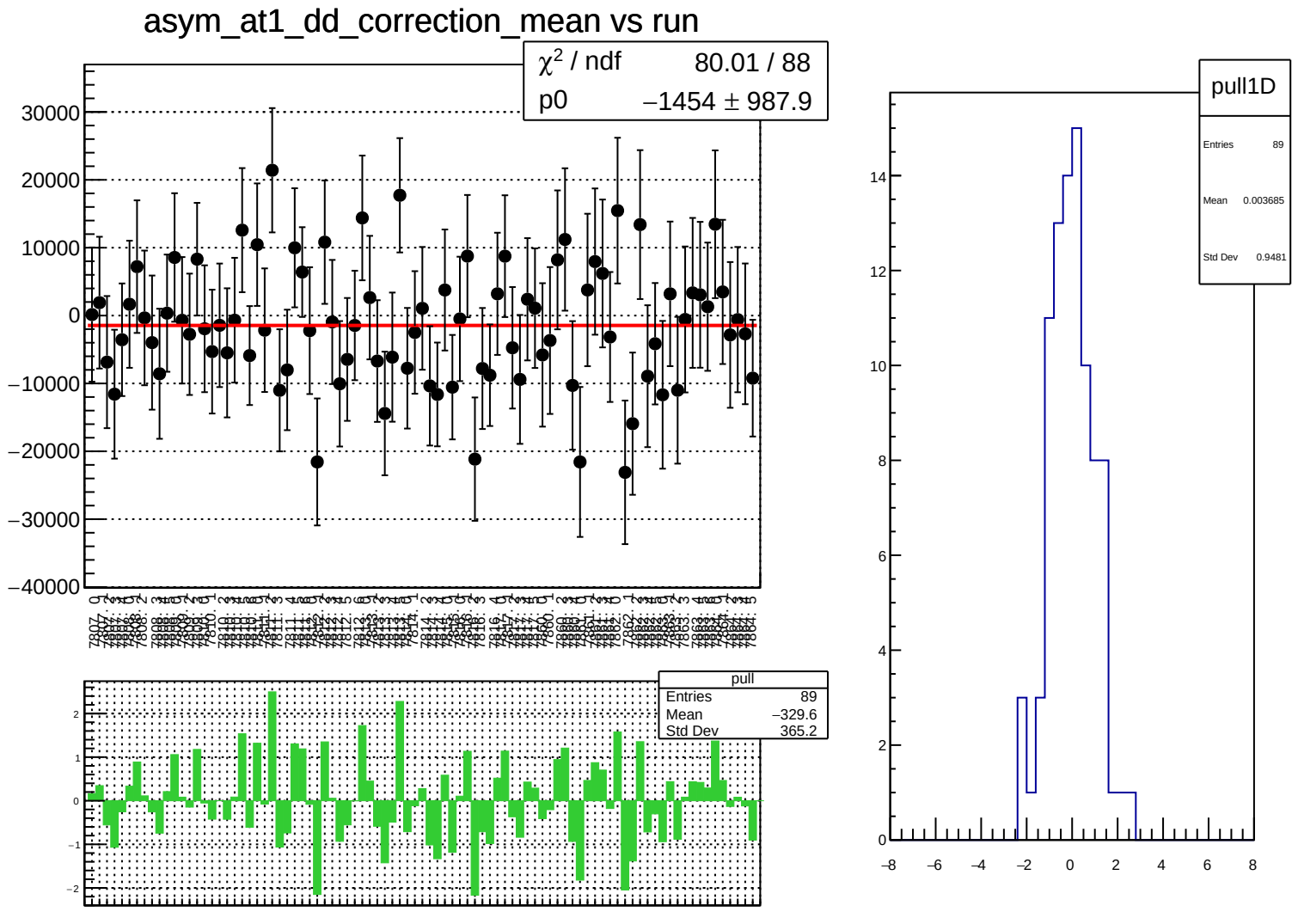

pull1D
Entries 89
Mean −0.01488
Std Dev 0.8835

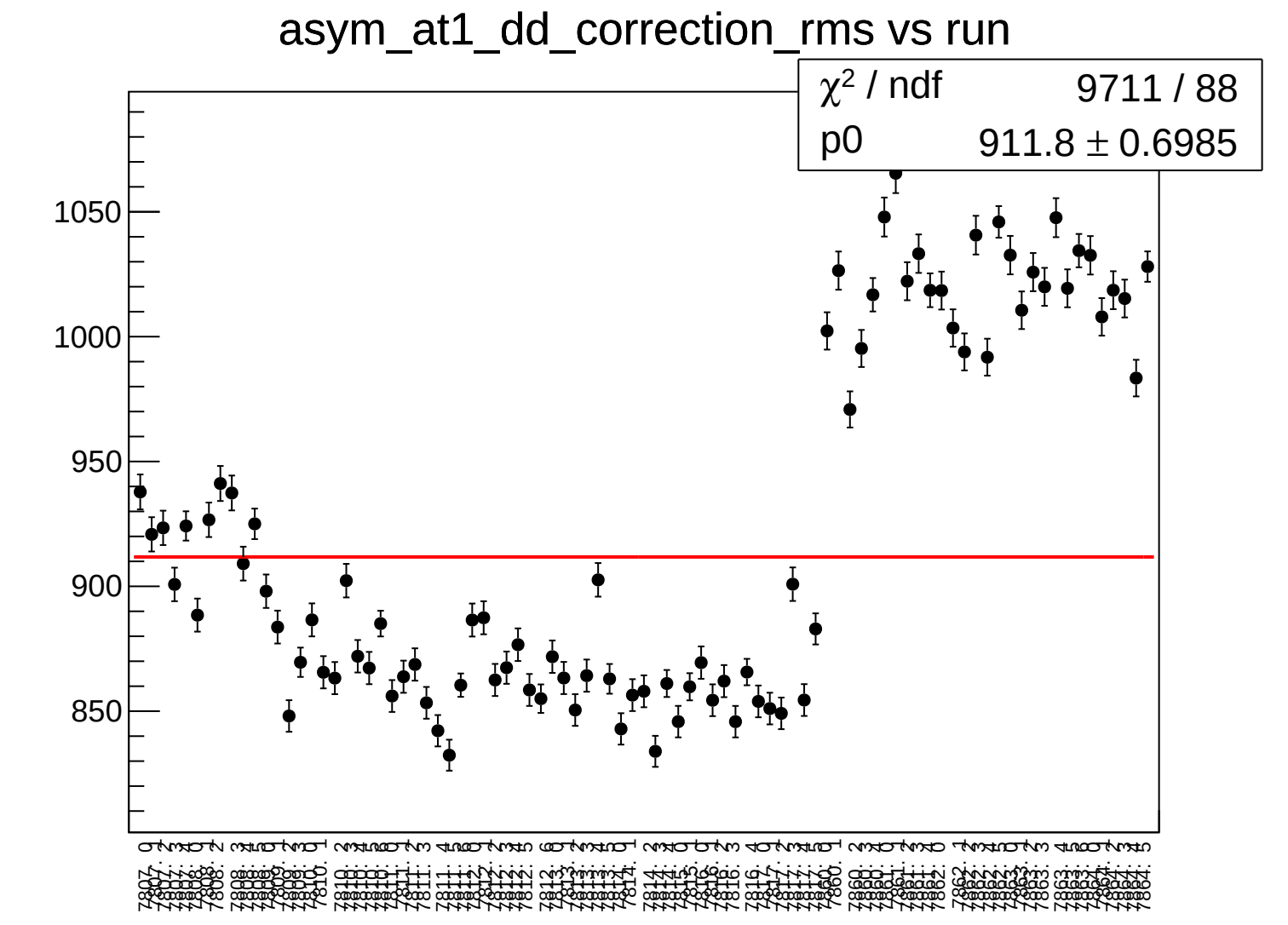

asym_at1_avg_rms vs run
χ^2 / ndf 1.896e+04 / 88
p0 2182 ± 1.676
6000
5500
5000
4500
4000
3500
3000
2500
2000

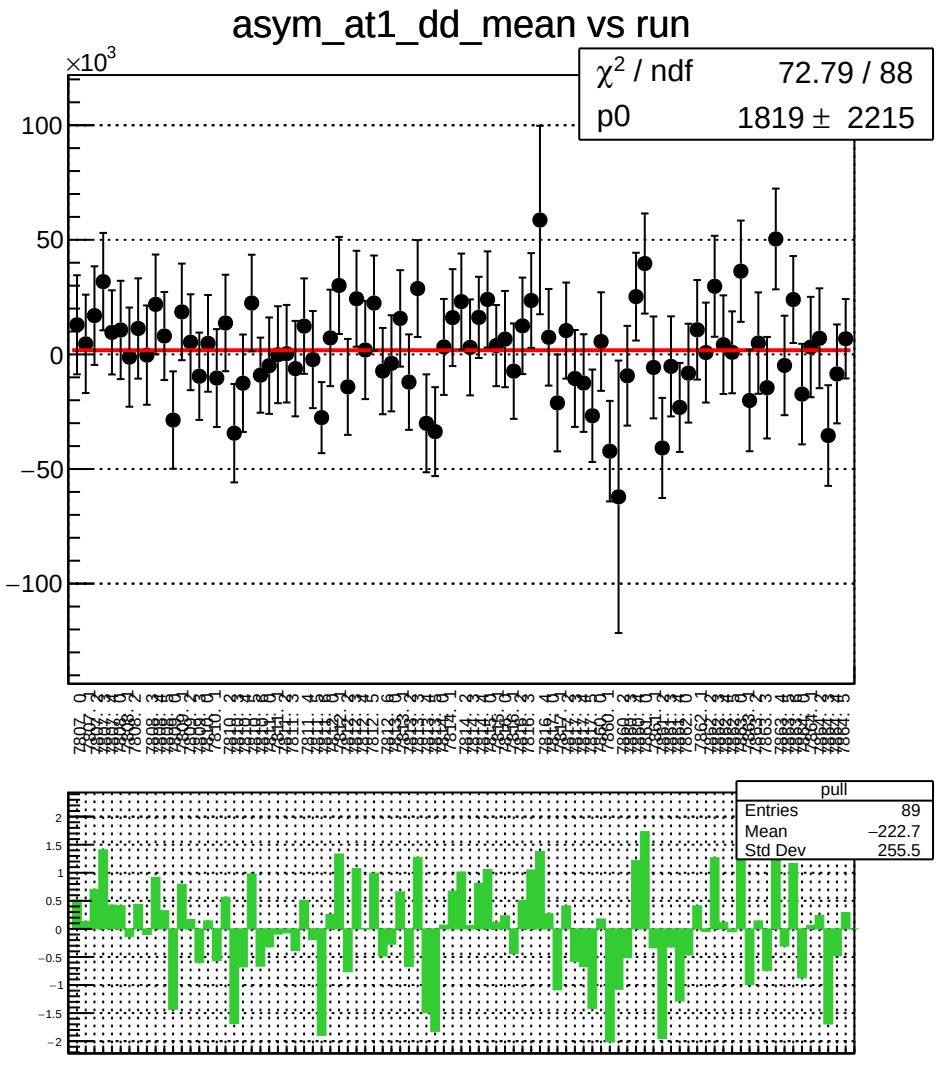

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 79.88 / 88
p0 332.6 ± 1977
pull
Entries 89
Mean −241.6
Std Dev 275.1

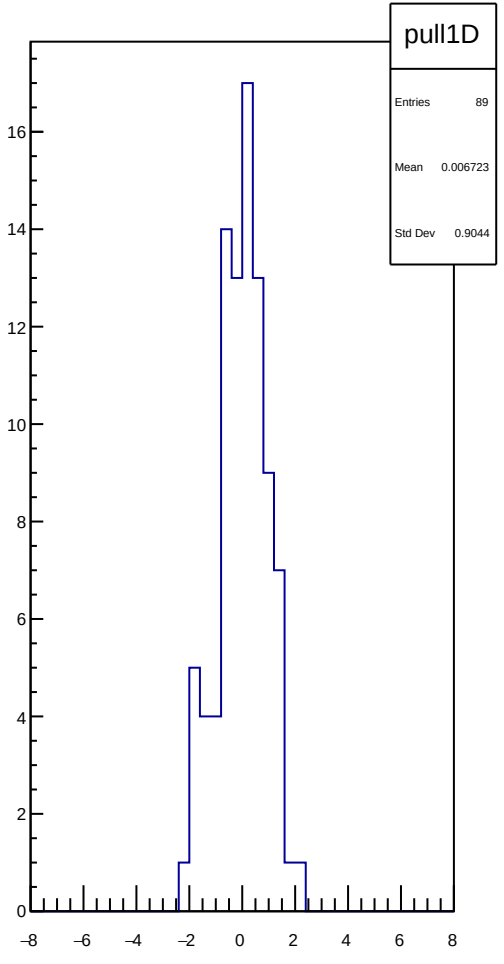

pull1D
Entries 89
Mean 0.009573
Std Dev 0.9473

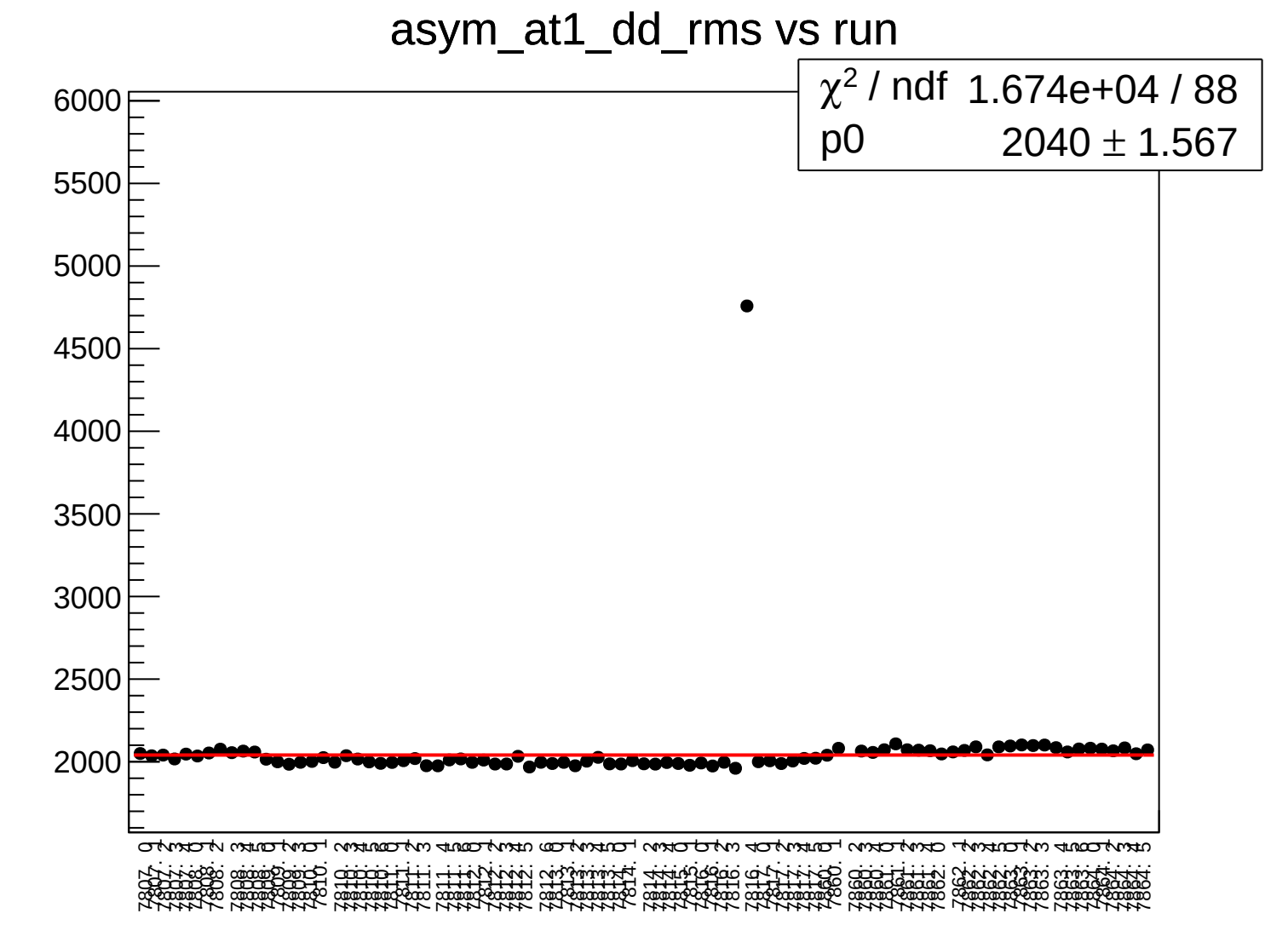

dit_asym_at1_dd_rms vs run
χ² / ndf 1.829e+04 / 88
p0 1820 ± 1.398
5500
5000
4500
4000
3500
3000
2500
2000
1500

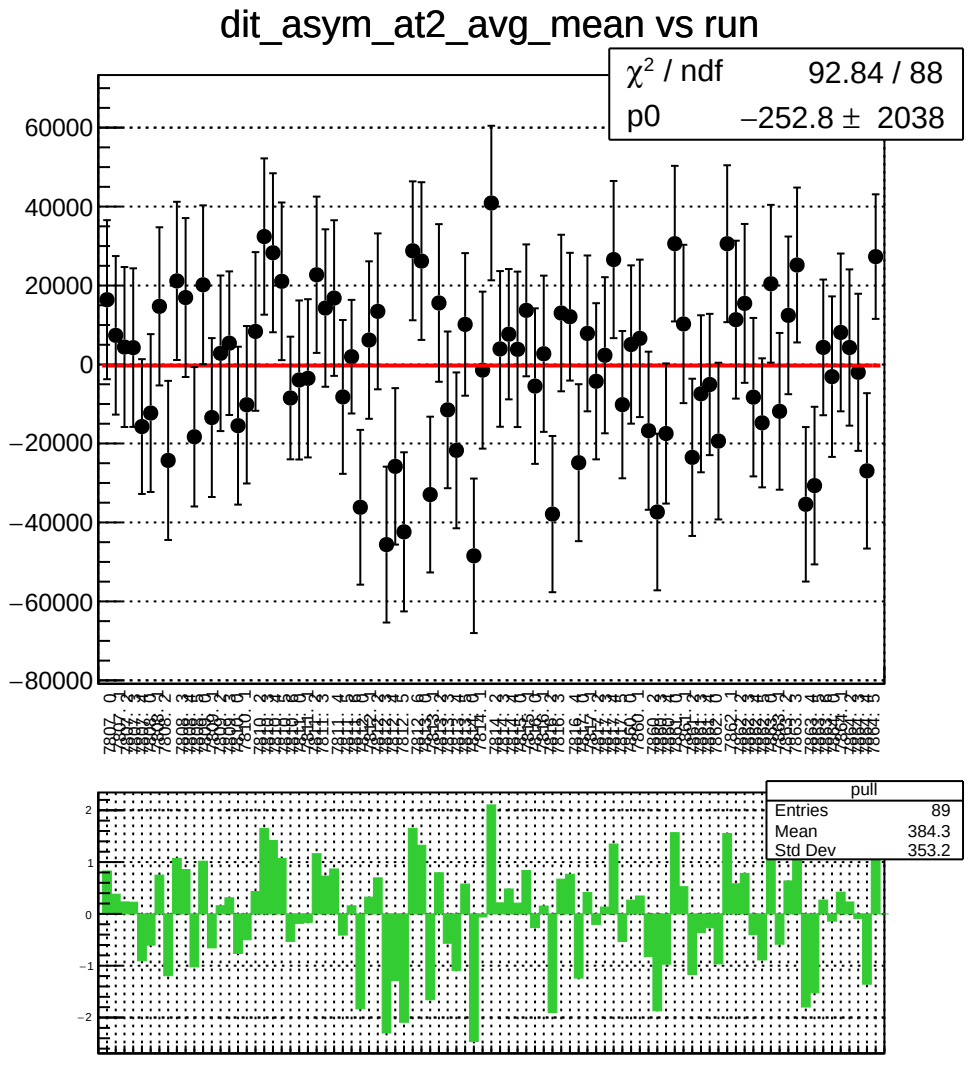

asym_at1_dd_correction_mean vs run
χ² / ndf 80.01 / 88
p0 −1454 ± 987.9
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean −329.6
Std Dev 365.2
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.003685
Std Dev 0.9481
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

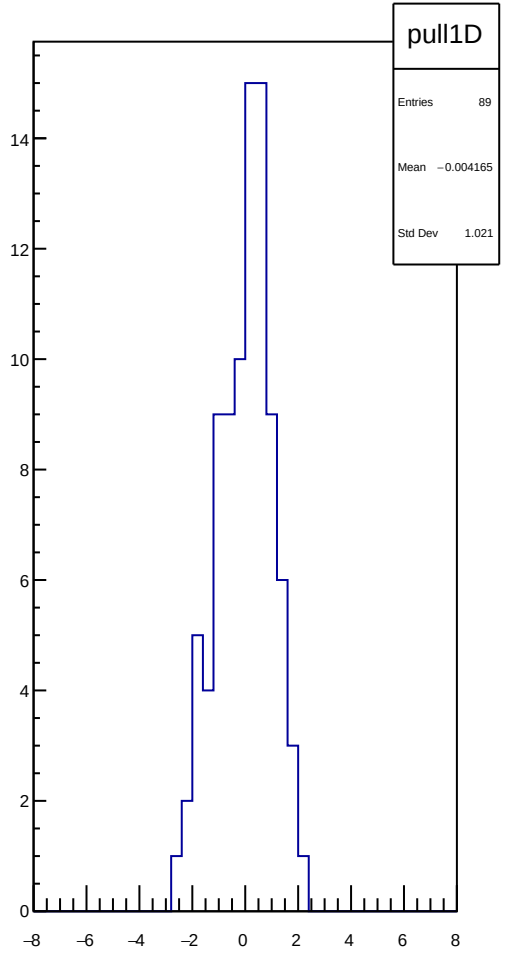

asym_at1_dd_correction_rms vs run
χ² / ndf 9711 / 88
p0 911.8 ± 0.6985
1050
1000
950
900
850

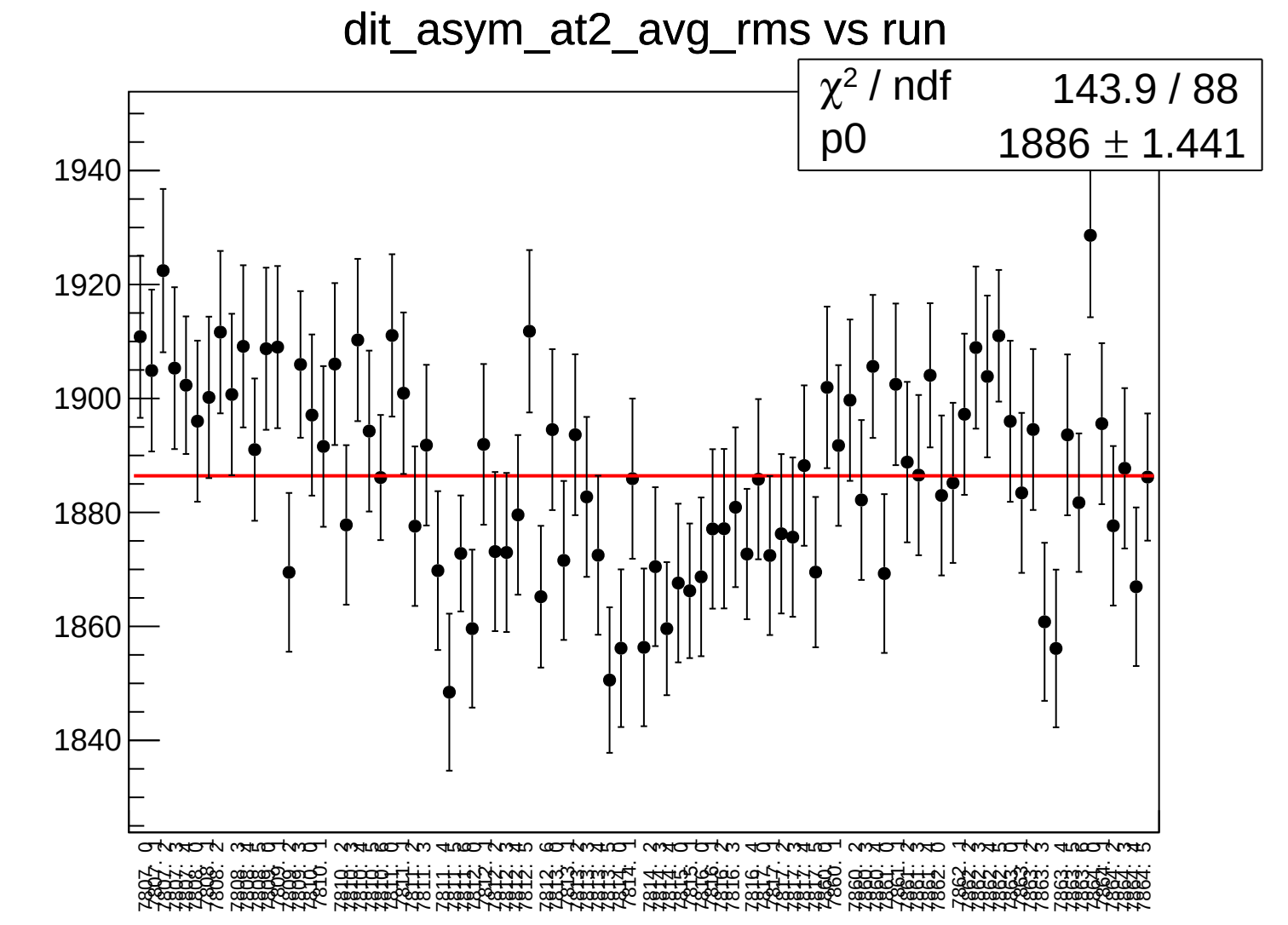

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 72.79 / 88
p0 1819 ± 2215
100
50
0
−50
−100
pull
Entries 89
Mean −222.7
Std Dev 255.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

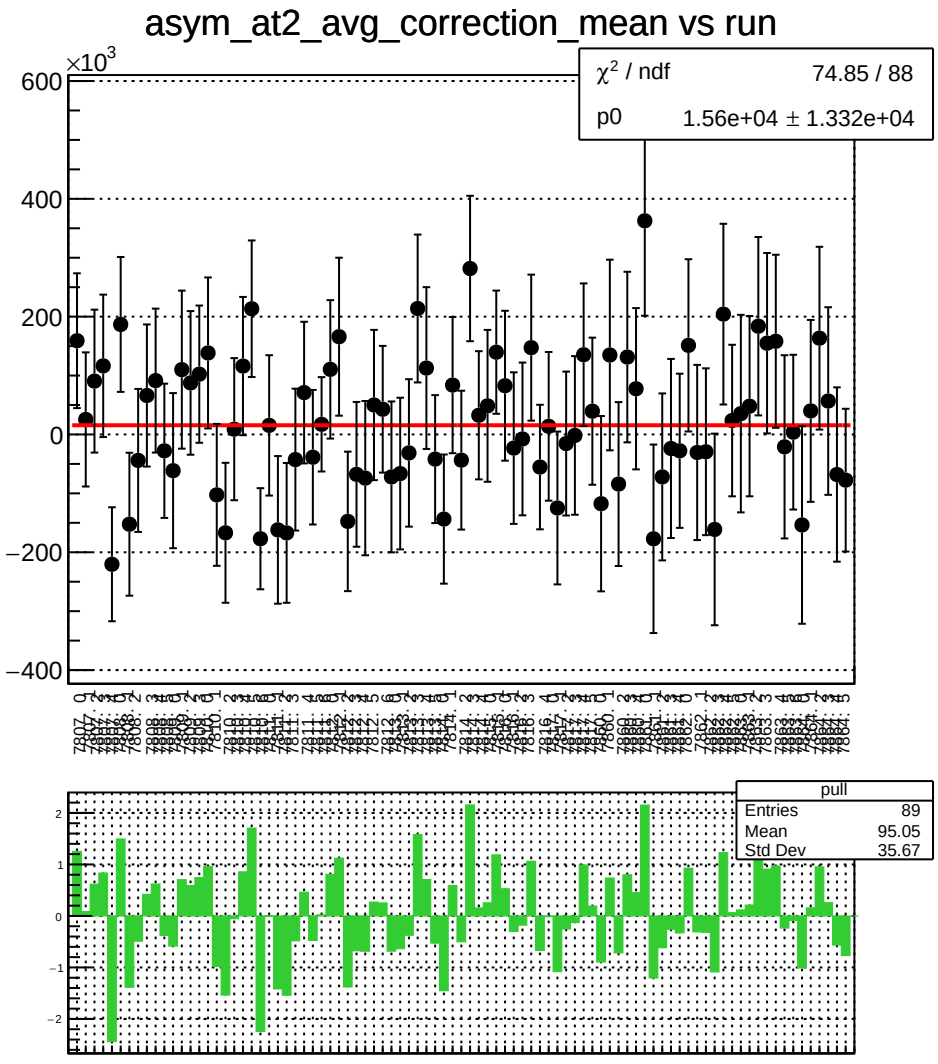

pull1D
Entries 89
Mean 0.006723
Std Dev 0.9044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

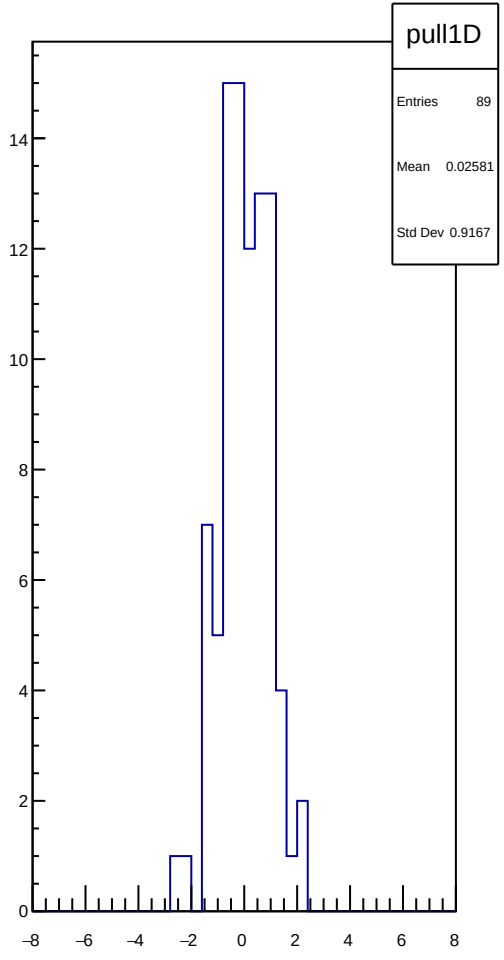

asym_at1_dd_rms vs run
χ² / ndf 1.674e+04 / 88
p0 2040 ± 1.567
6000
5500
5000
4500
4000
3500
3000
2500
2000


dit_asym_at2_avg_mean vs run
χ² / ndf 92.84 / 88
p0 −252.8 ± 2038
pull
Entries 89
Mean 384.3
Std Dev 353.2

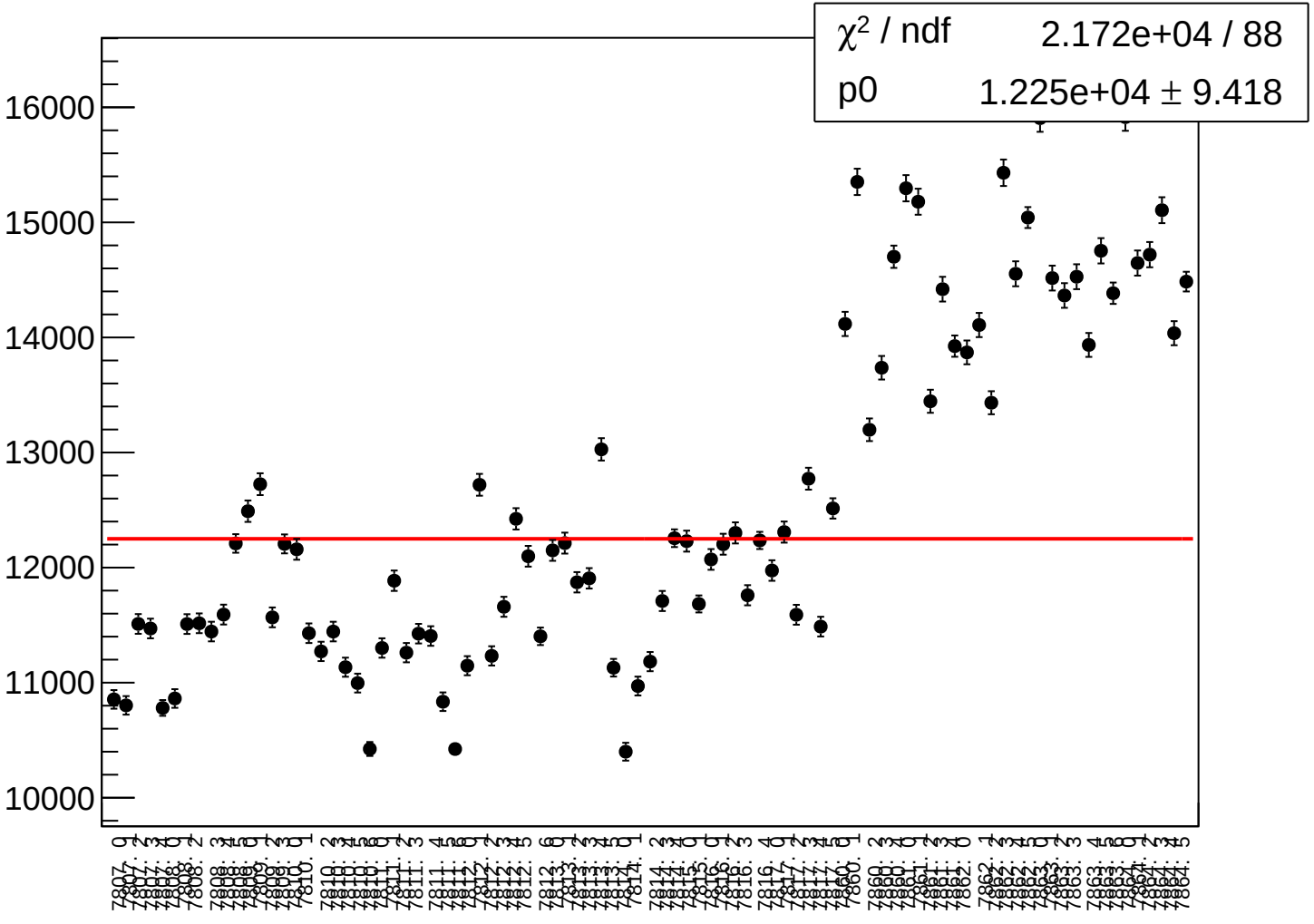

pull1D
Entries 89
Mean −0.004165
Std Dev 1.021

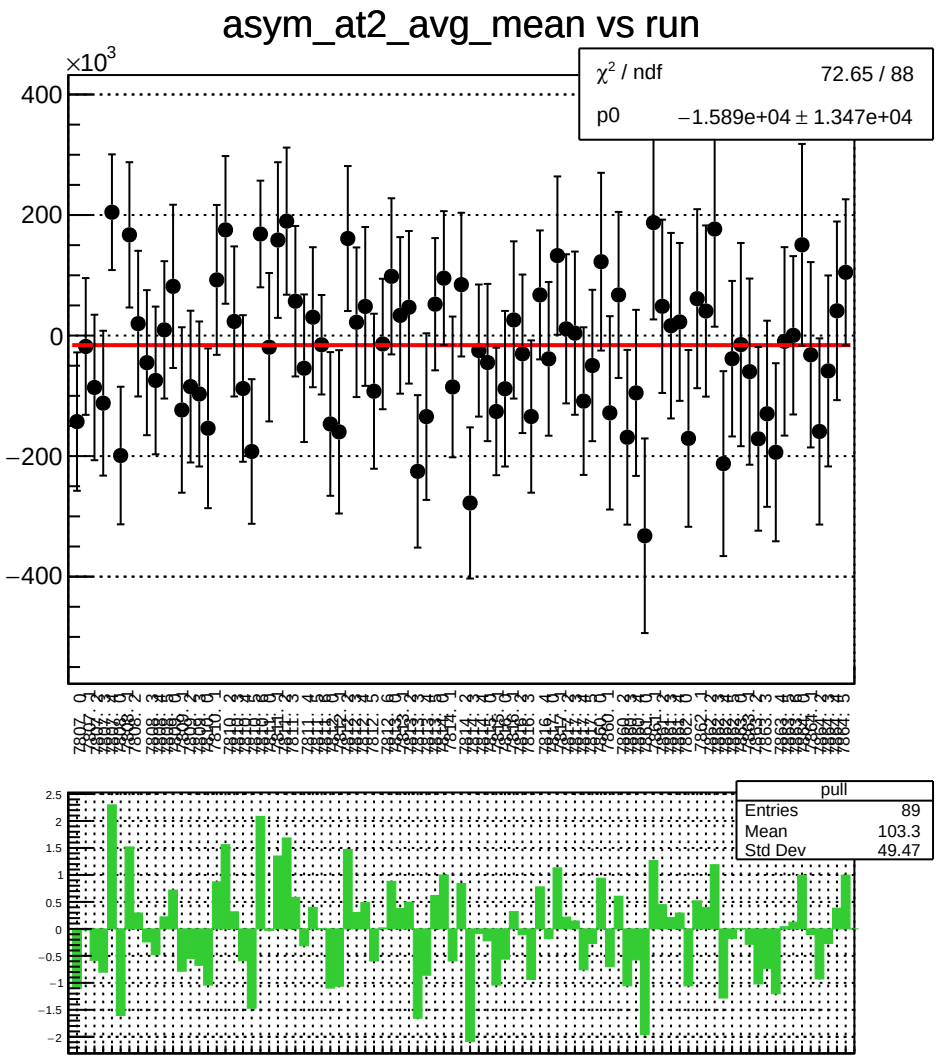

dit_asym_at2_avg_rms vs run
χ² / ndf 143.9 / 88
p0 1886 ± 1.441
1940
1920
1900
1880
1860
1840

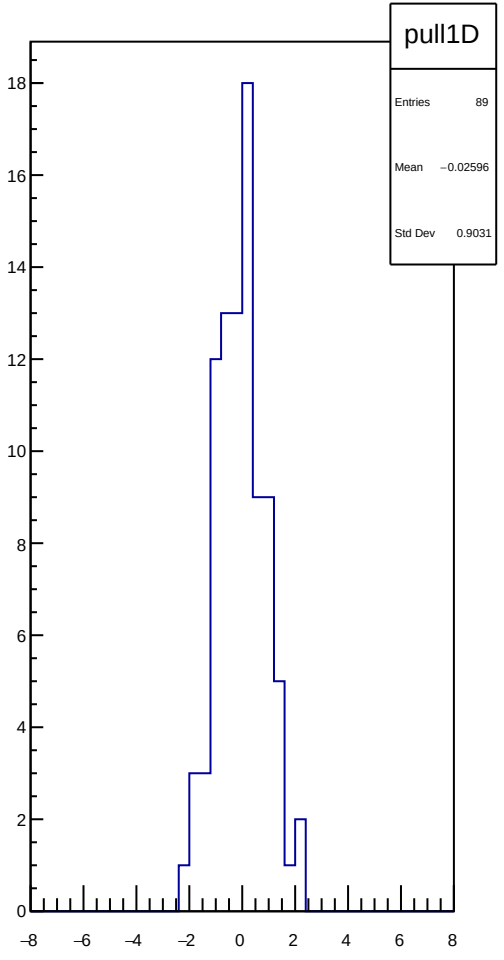

asym_at2_avg_correction_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 74.85 / 88
p0 1.56e+04 ± 1.332e+04
pull
Entries 89
Mean 95.05
Std Dev 35.67
2
1
0
−1
−2

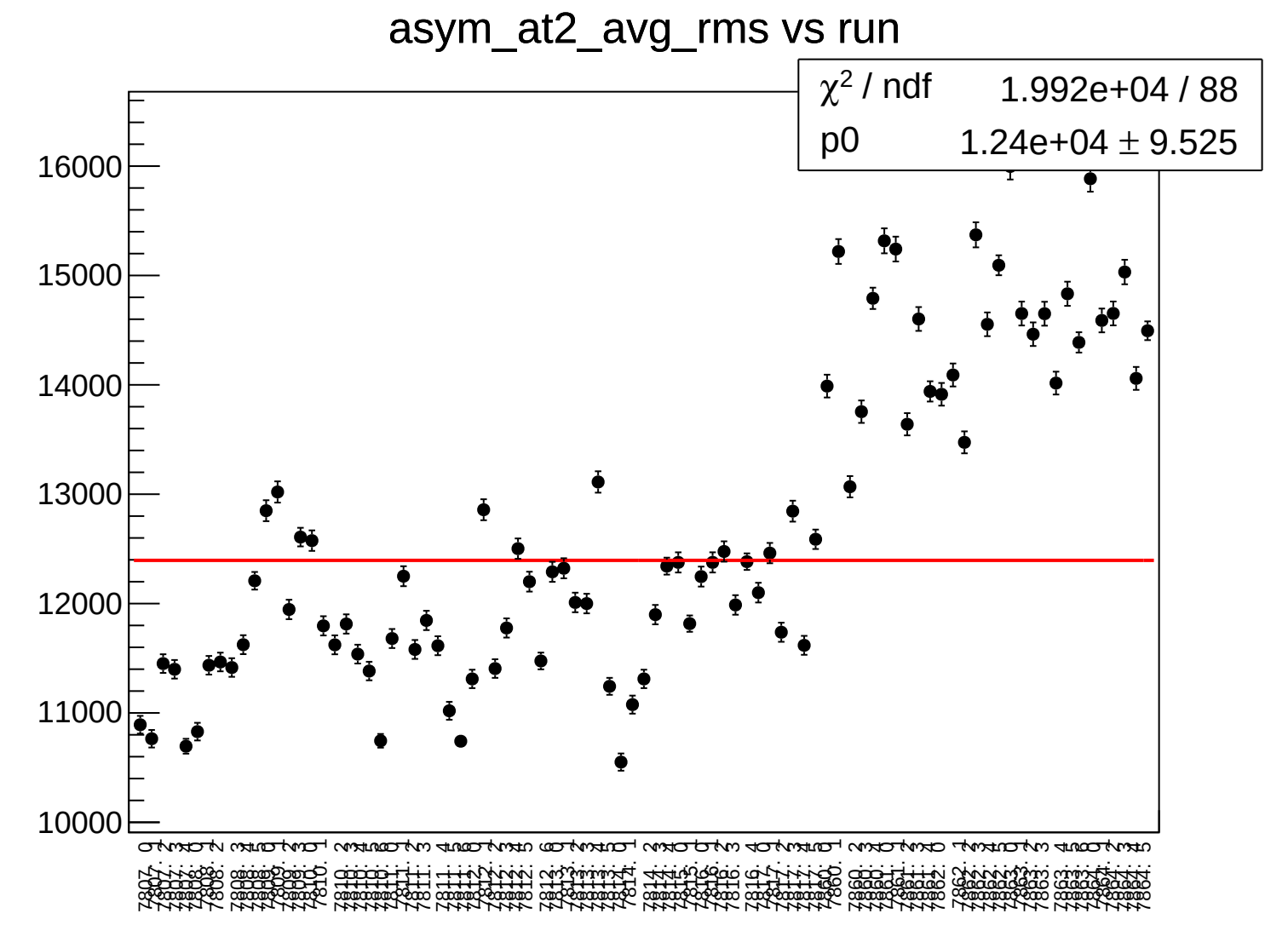

pull1D
Entries 89
Mean 0.02581
Std Dev 0.9167
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

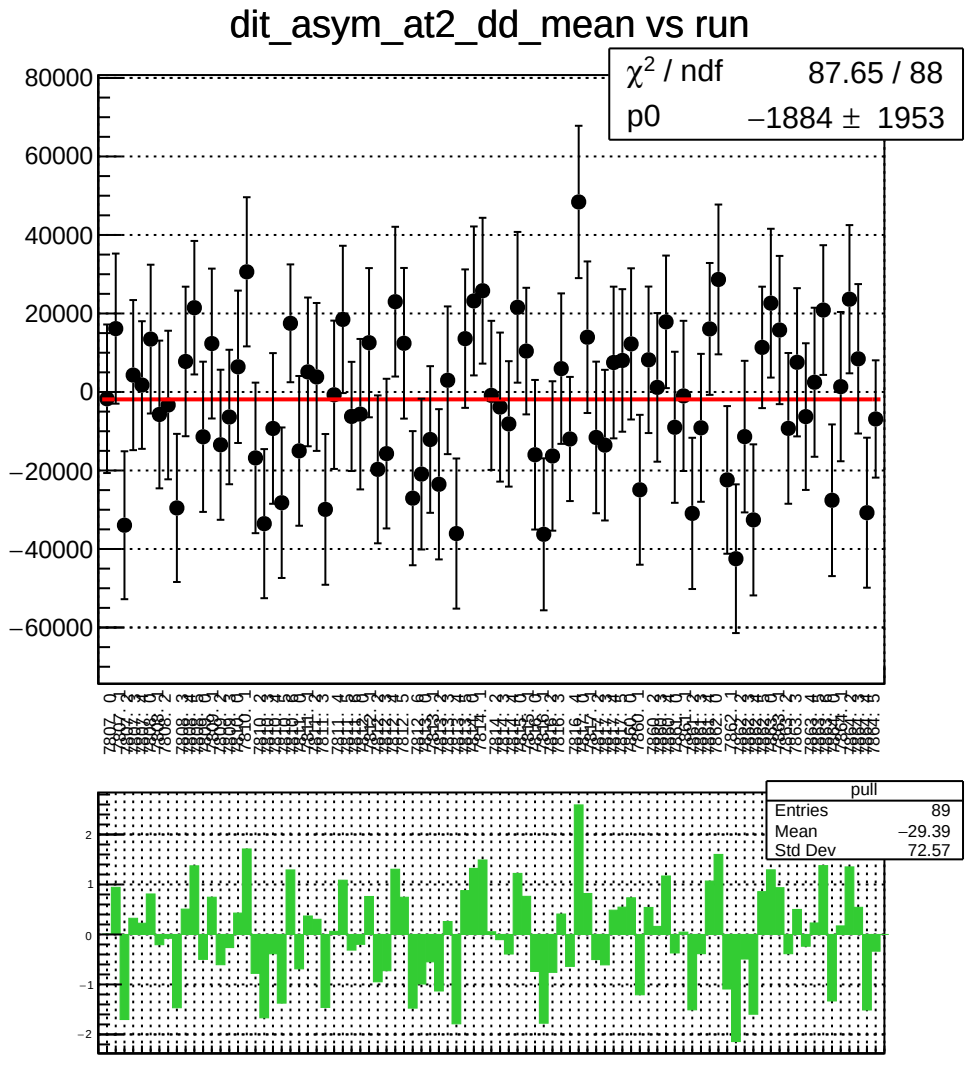
asym_at2_avg_correction_rms vs run

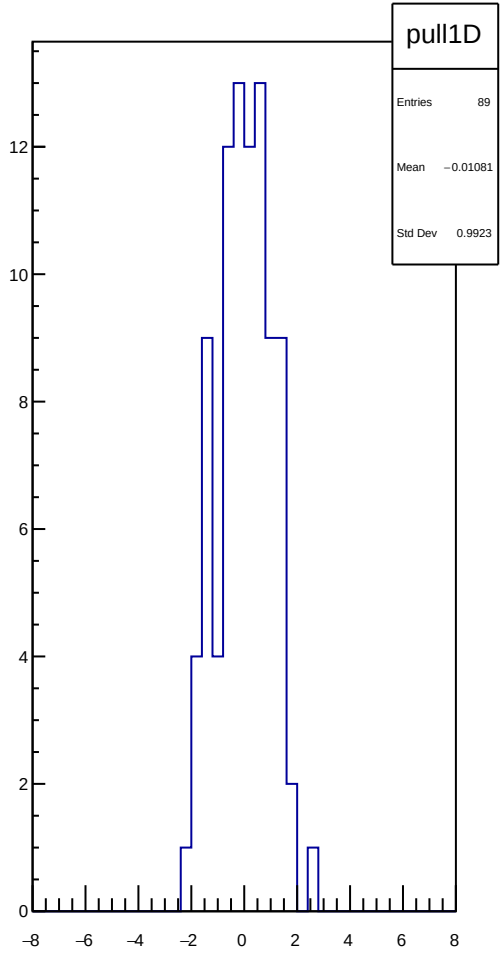


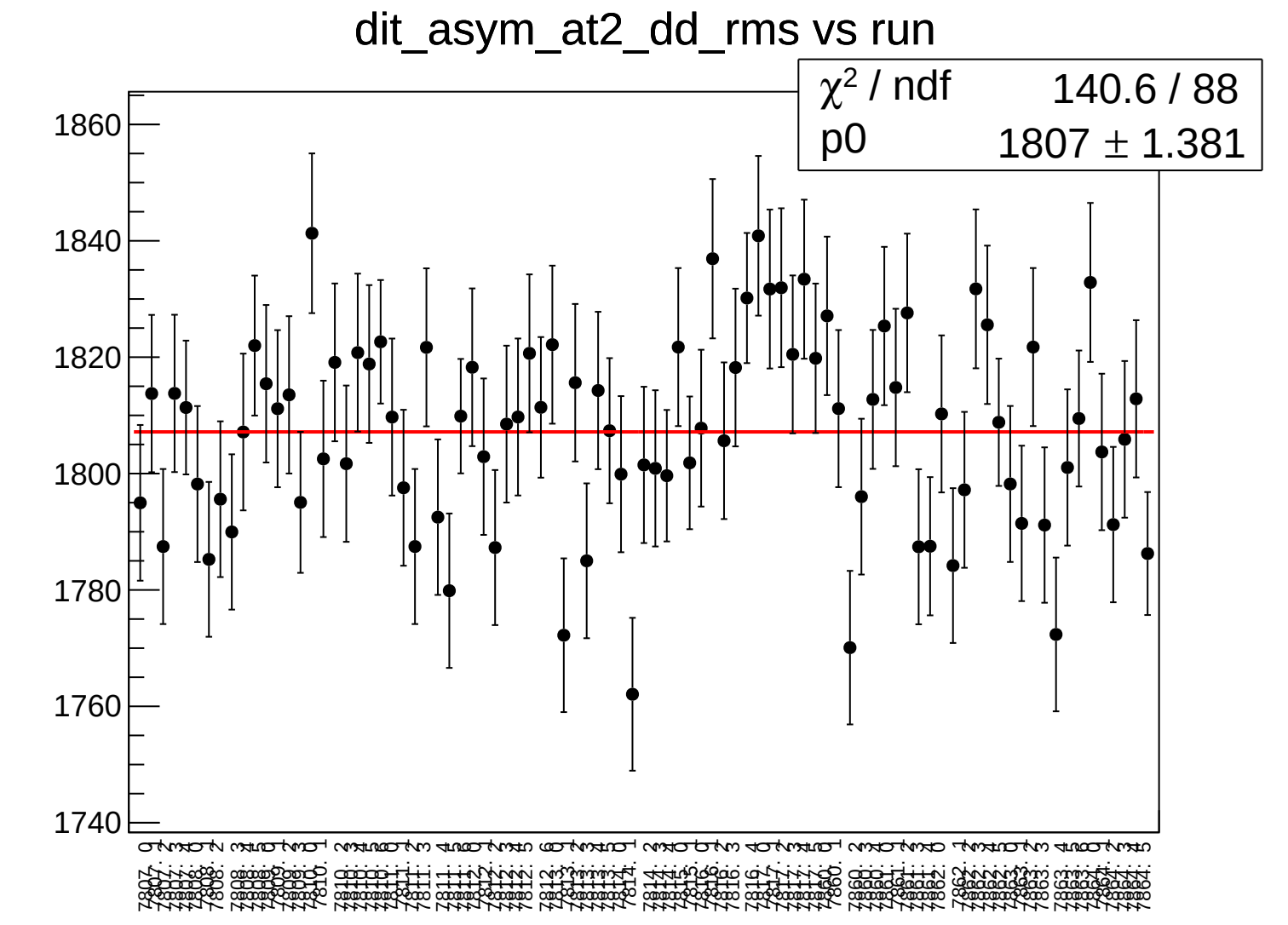

asym_at2_avg_mean vs run
×10^3
400
200
0
−200
−400
χ² / ndf 72.65 / 88
p0 −1.589e+04 ± 1.347e+04
pull
Entries 89
Mean 103.3
Std Dev 49.47
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

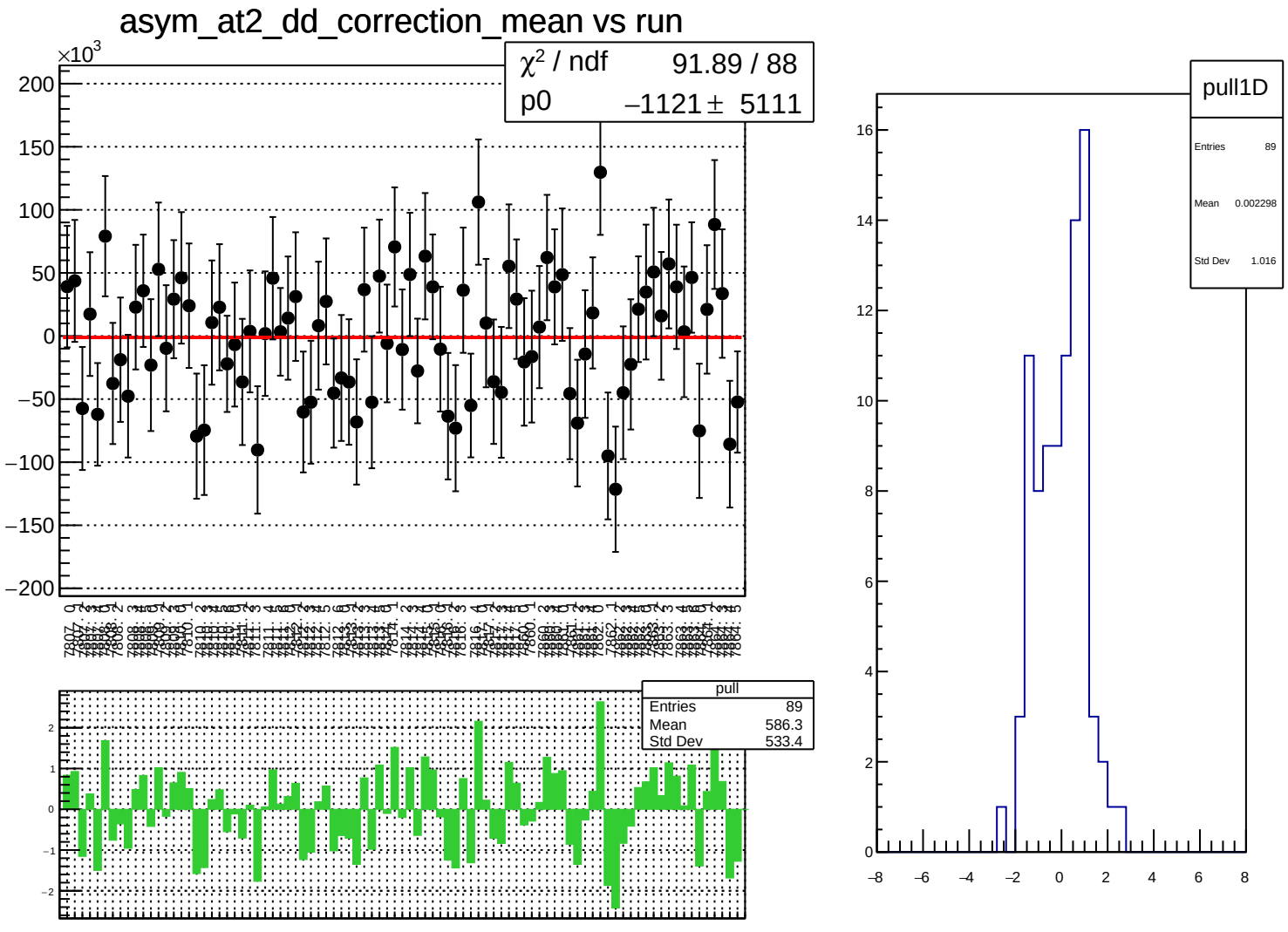

pull1D
Entries 89
Mean −0.02596
Std Dev 0.9031
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

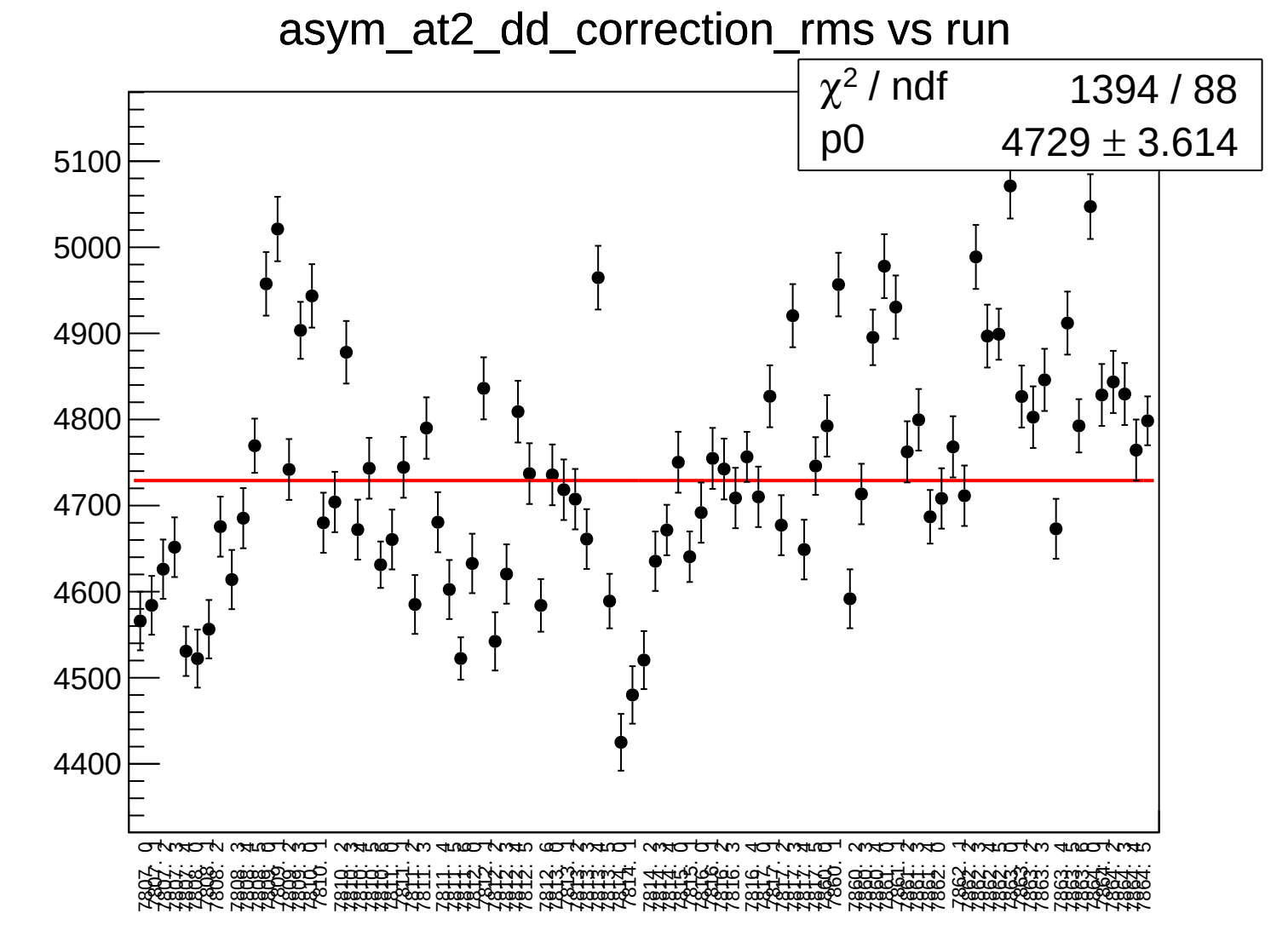

asym_at2_avg_rms vs run
χ^2 / ndf 1.992e+04 / 88
p0 1.24e+04 ± 9.525
16000
15000
14000
13000
12000
11000
10000

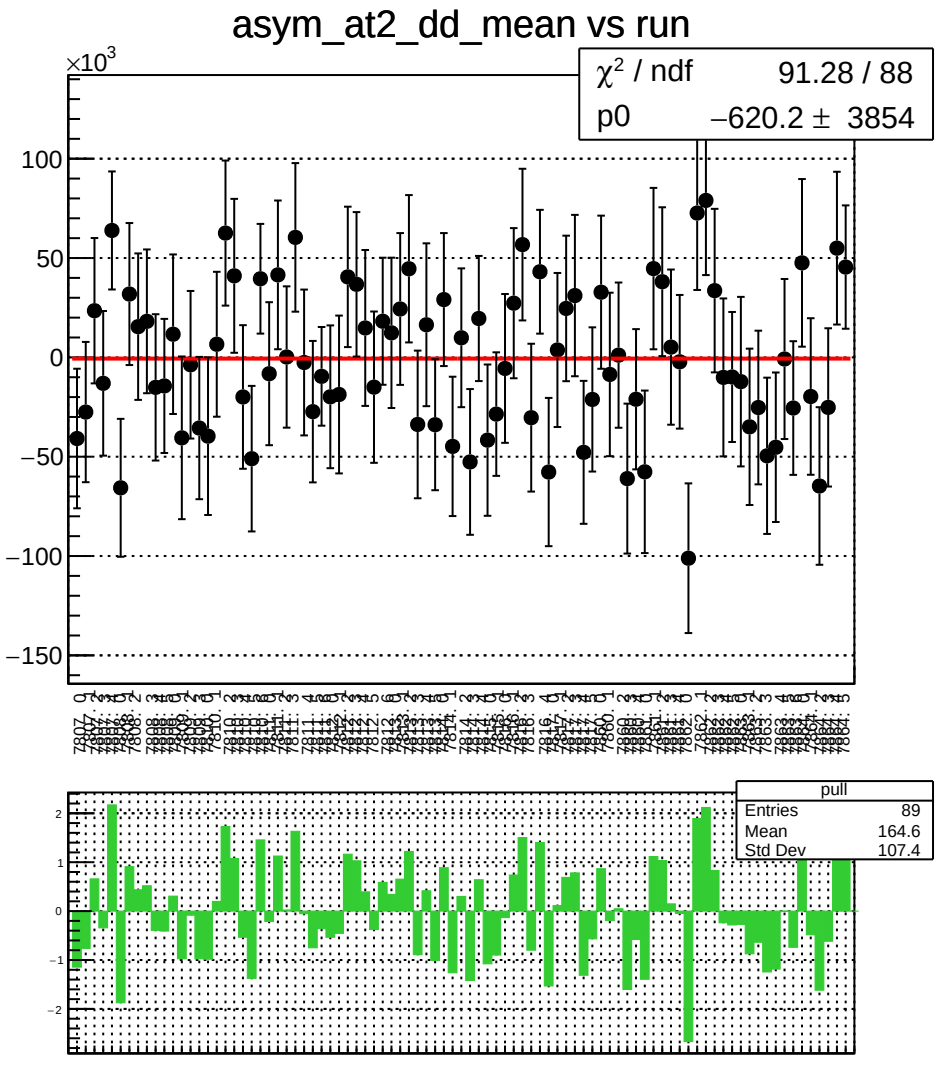

dit_asym_at2_dd_mean vs run
χ² / ndf 87.65 / 88
p0 −1884 ± 1953
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −29.39
Std Dev 72.57
2
1
0
−1
−2

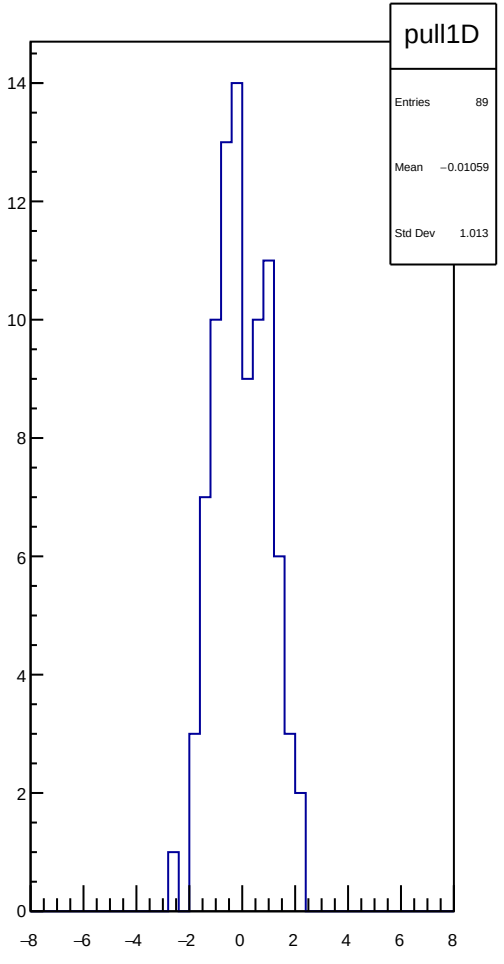

pull1D
Entries 89
Mean −0.01081
Std Dev 0.9923
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

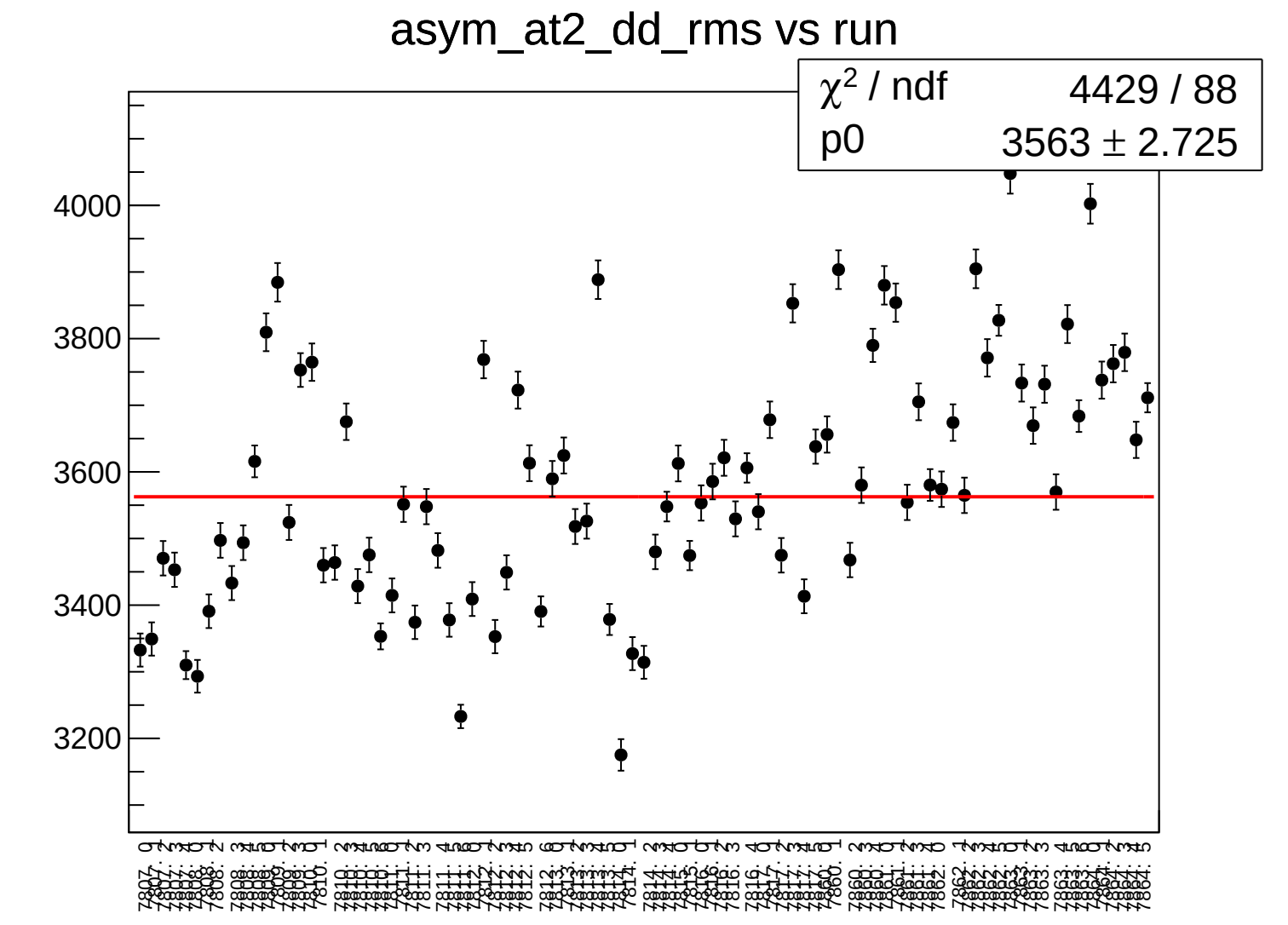

dit_asym_at2_dd_rms vs run
χ² / ndf 140.6 / 88
p0 1807 ± 1.381
1860
1840
1820
1800
1780
1760
1740

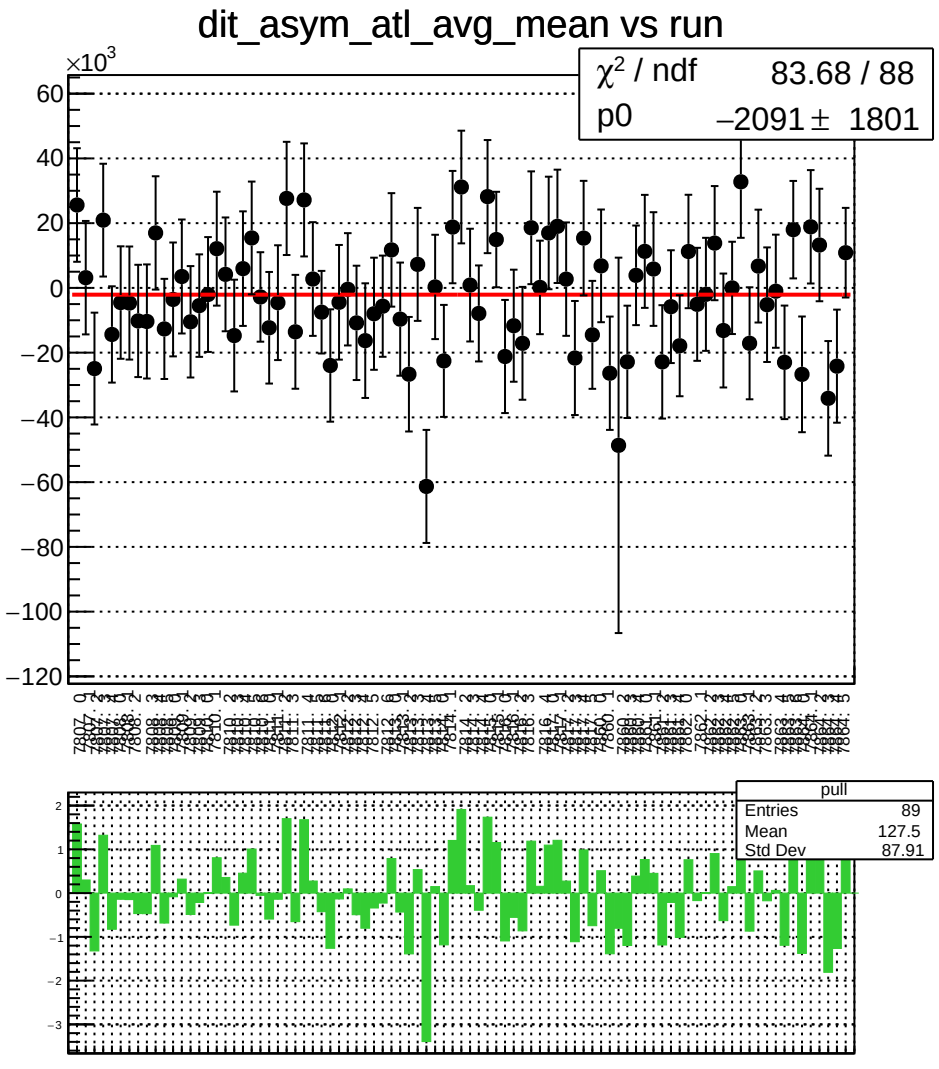

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 91.89 / 88
p0 −1121 ± 5111
pull
Entries 89
Mean 586.3
Std Dev 533.4
pull1D
Entries 89
Mean 0.002298
Std Dev 1.016

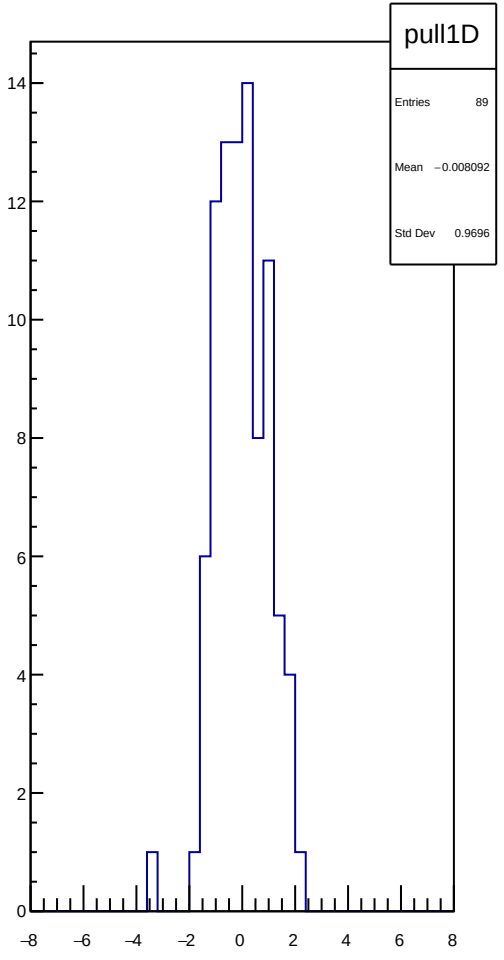

asym_at2_dd_correction_rms vs run
χ² / ndf 1394 / 88
p0 4729 ± 3.614
5100
5000
4900
4800
4700
4600
4500
4400

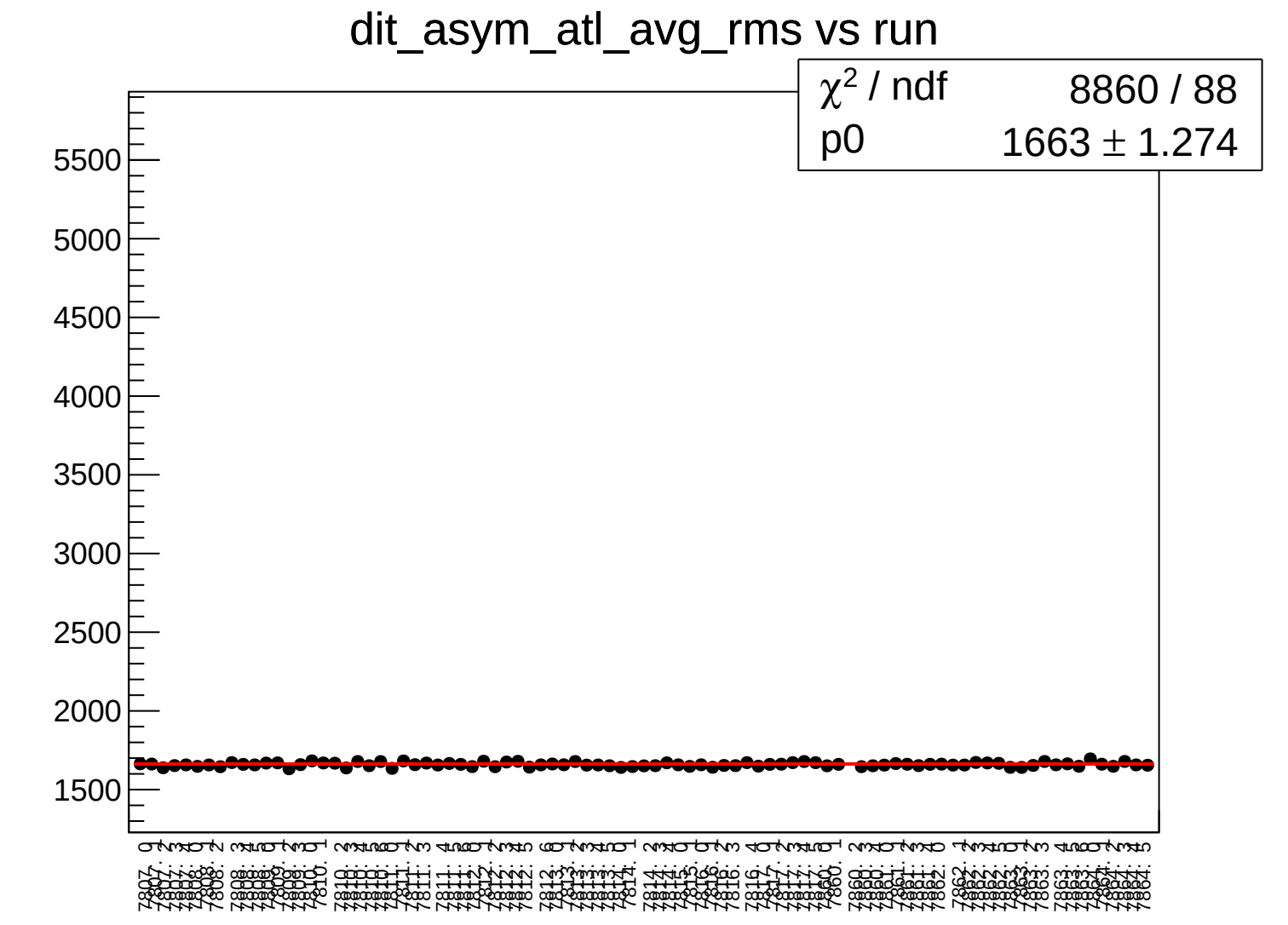

asym_at2_dd_mean vs run
×10^3
χ² / ndf 91.28 / 88
p0 −620.2 ± 3854
100
50
0
−50
−100
−150
pull
Entries 89
Mean 164.6
Std Dev 107.4
2
1
0
−1
−2

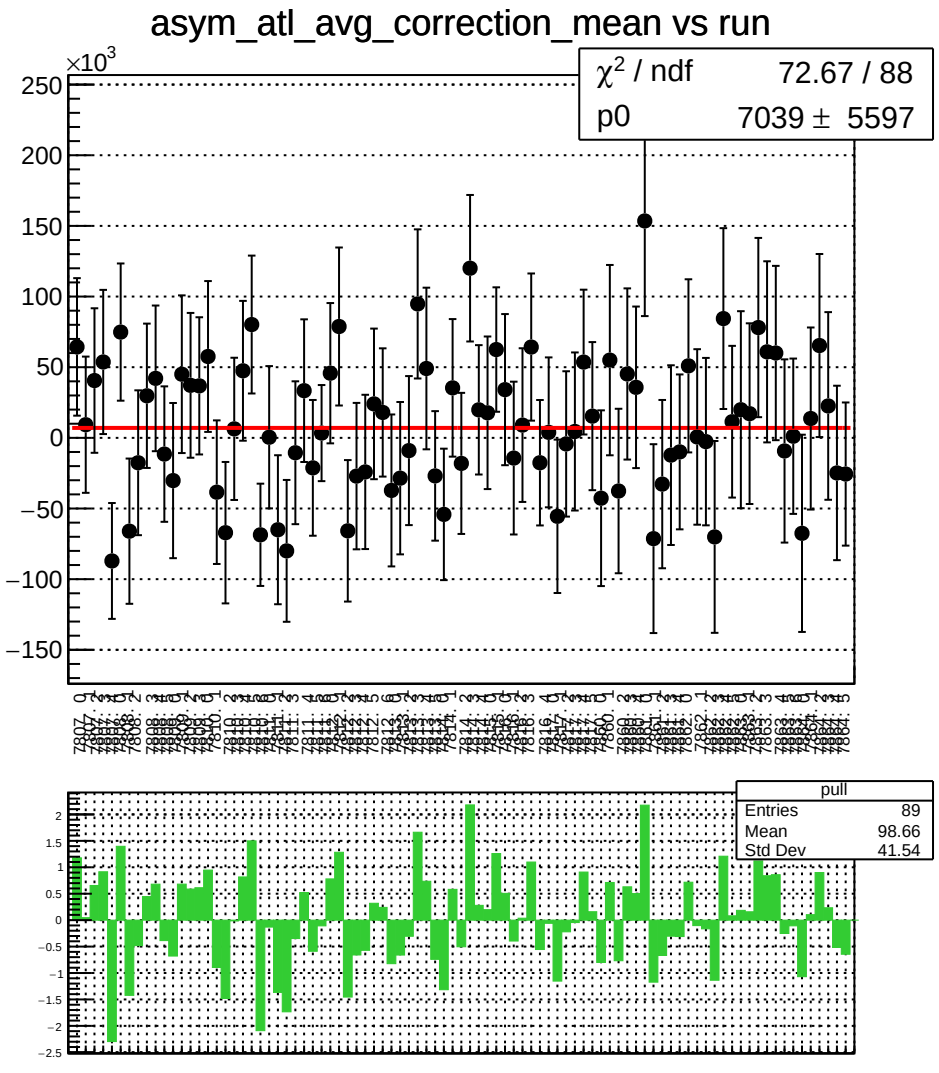

pull1D
Entries 89
Mean −0.01059
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

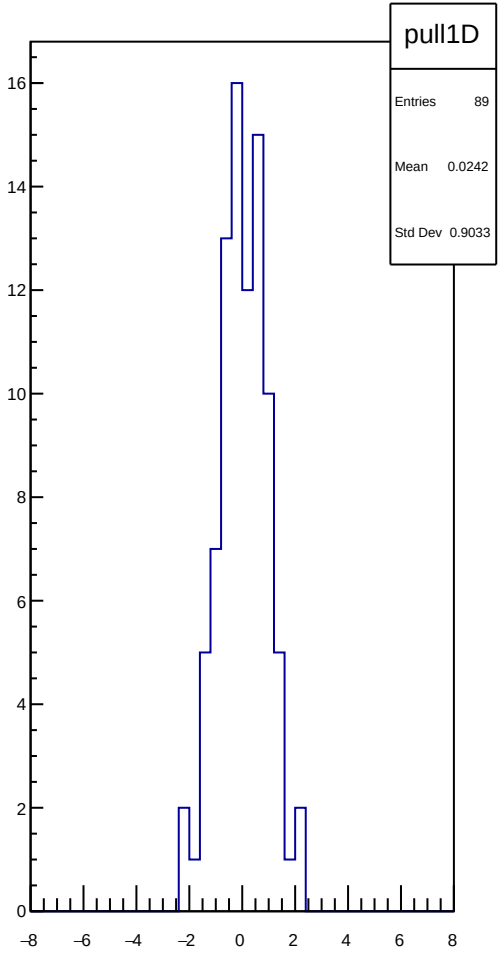

asym_at2_dd_rms vs run
χ² / ndf 4429 / 88
p0 3563 ± 2.725
4000
3800
3600
3400
3200

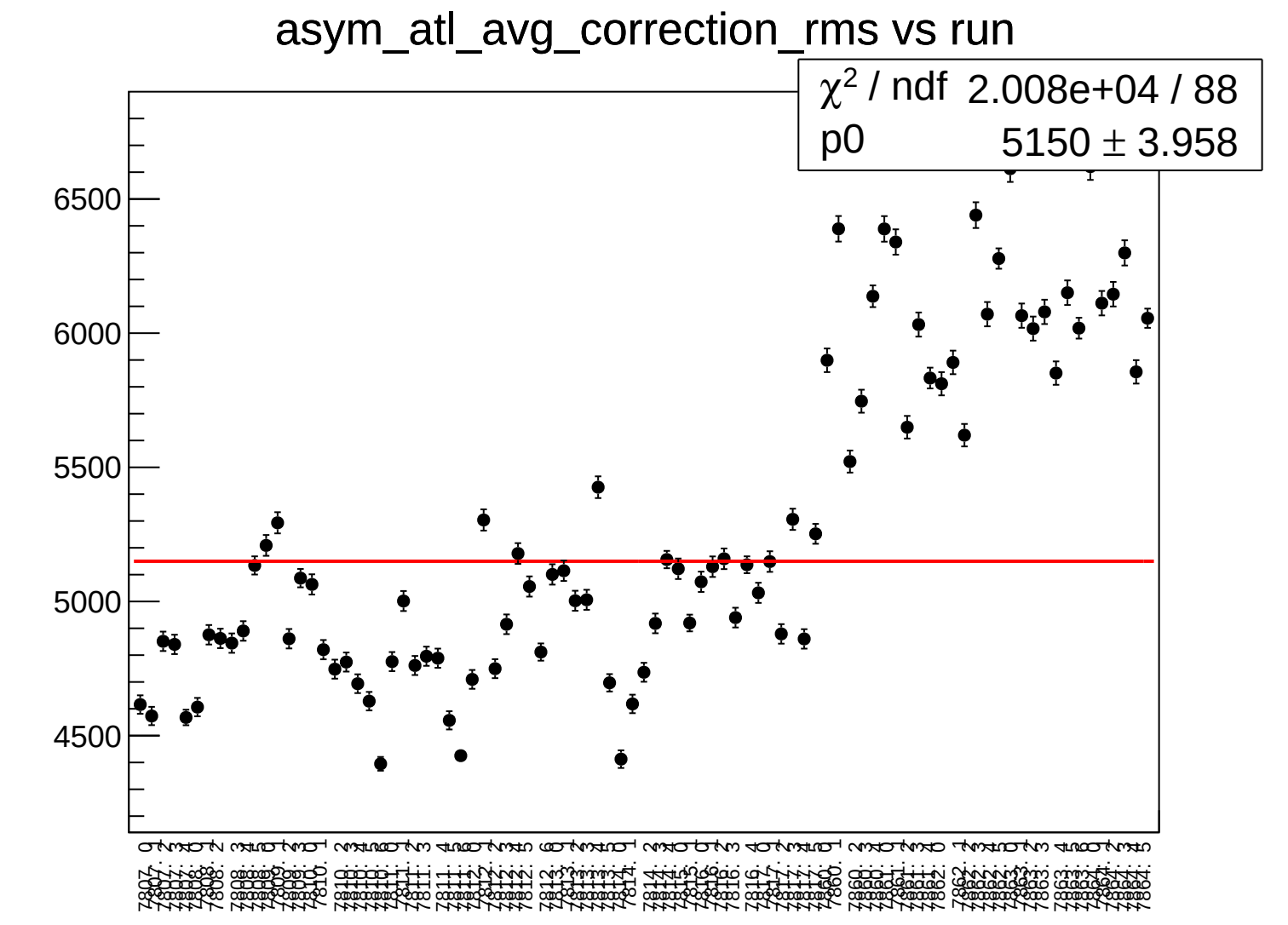

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 83.68 / 88
p0 −2091 ± 1801
pull
Entries 89
Mean 127.5
Std Dev 87.91

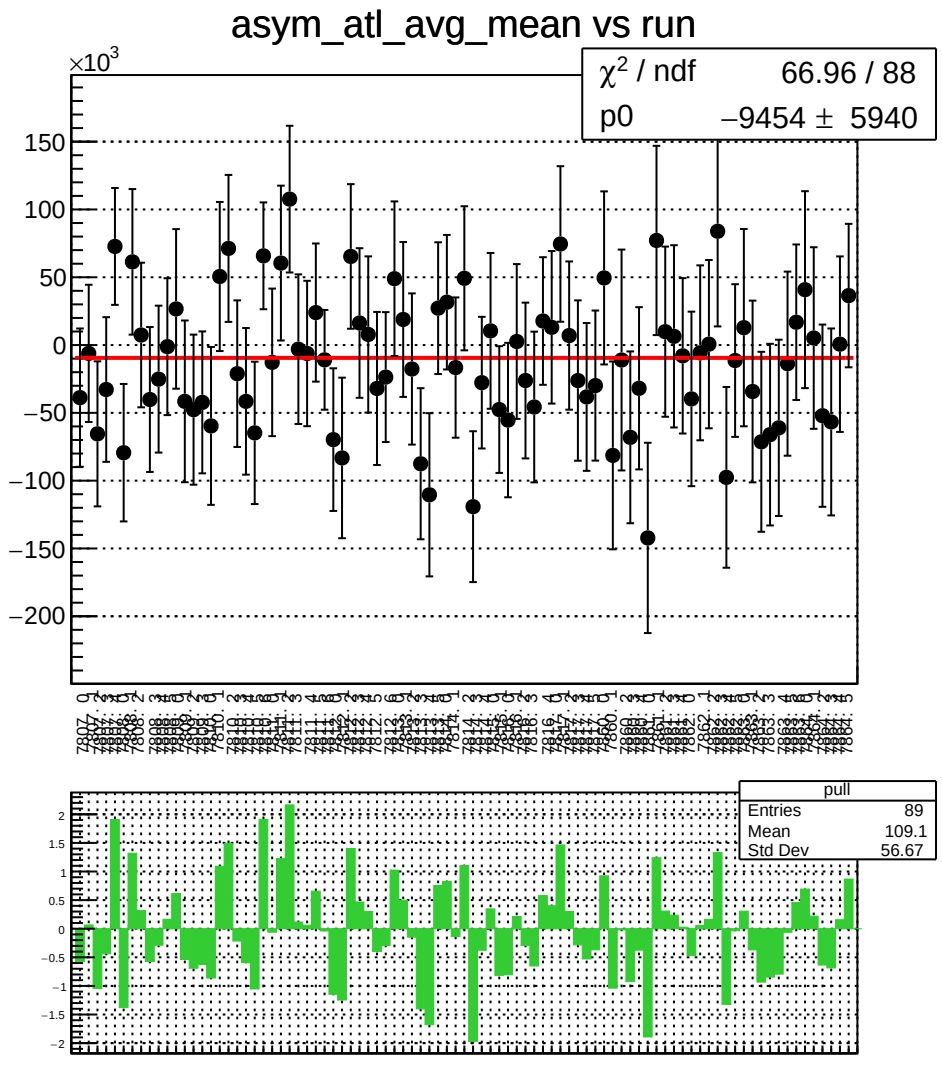

pull1D
Entries 89
Mean −0.008092
Std Dev 0.9696

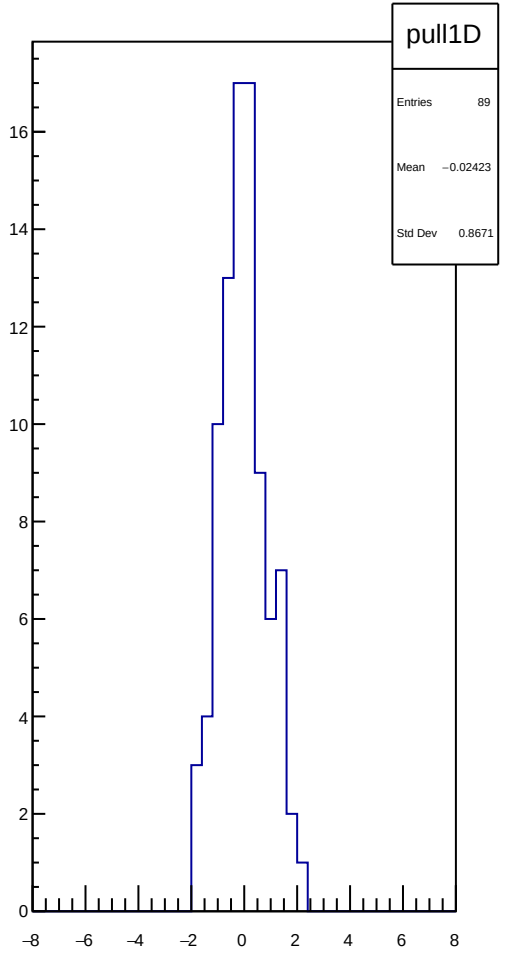

dit_asym_atl_avg_rms vs run
χ^2 / ndf 8860 / 88
p0 1663 ± 1.274
5500
5000
4500
4000
3500
3000
2500
2000
1500

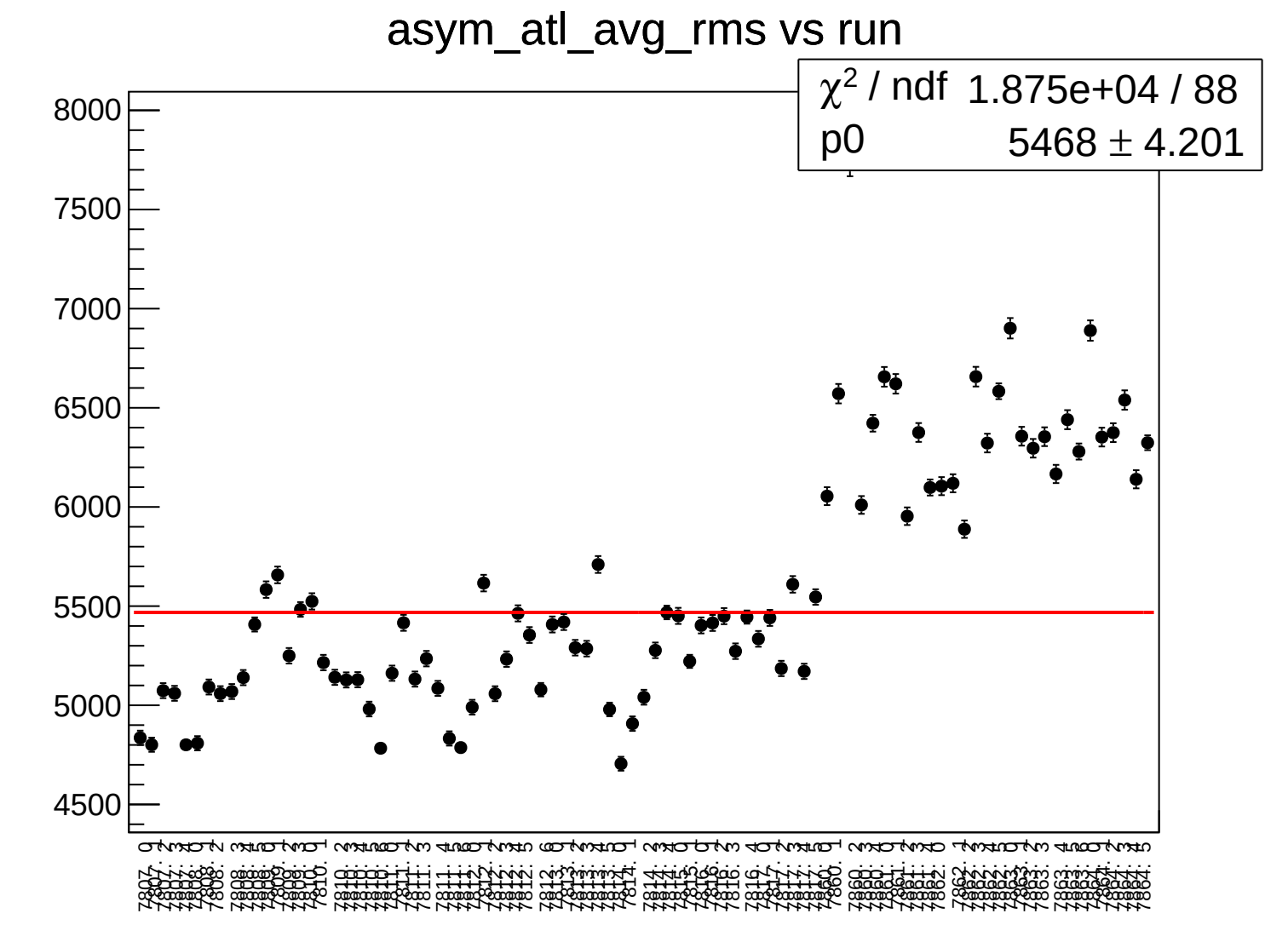

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 72.67 / 88
p0 7039 ± 5597
pull
Entries 89
Mean 98.66
Std Dev 41.54

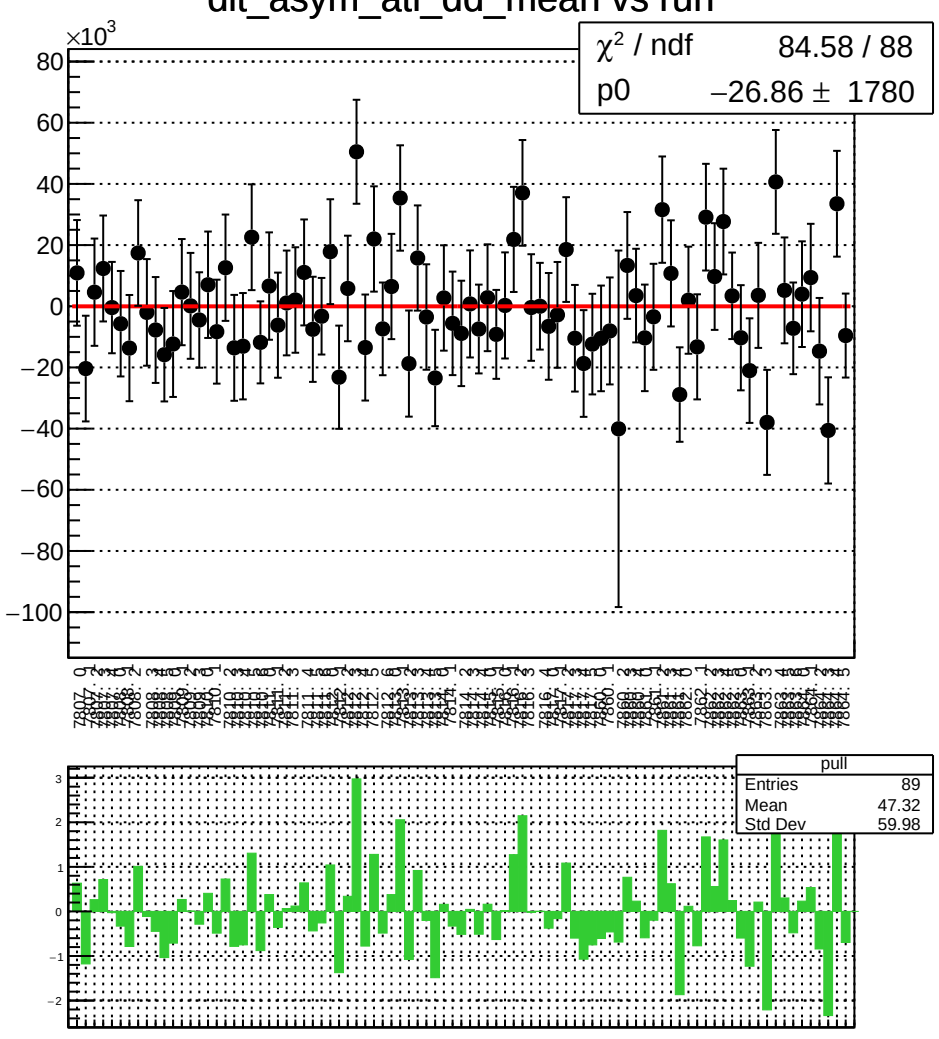

pull1D
Entries 89
Mean 0.0242
Std Dev 0.9033

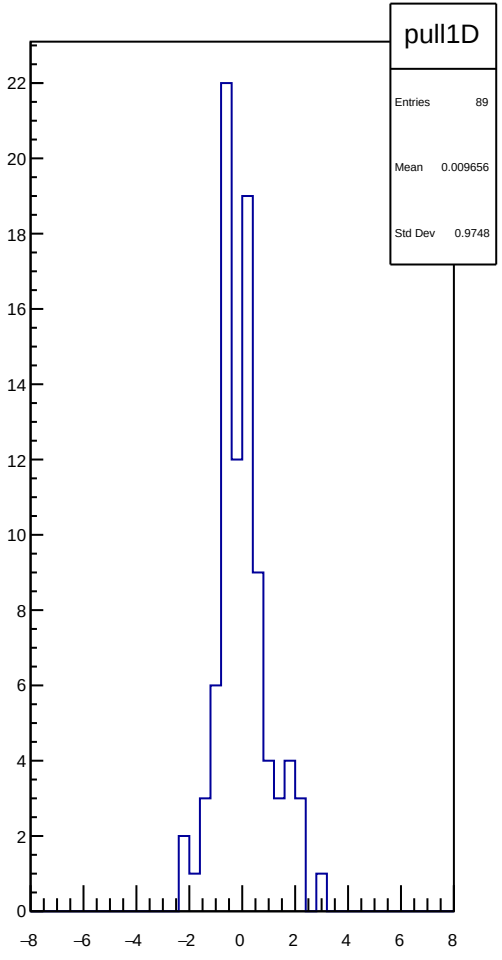

asym_atl_avg_correction_rms vs run
χ² / ndf 2.008e+04 / 88
p0 5150 ± 3.958
6500
6000
5500
5000
4500

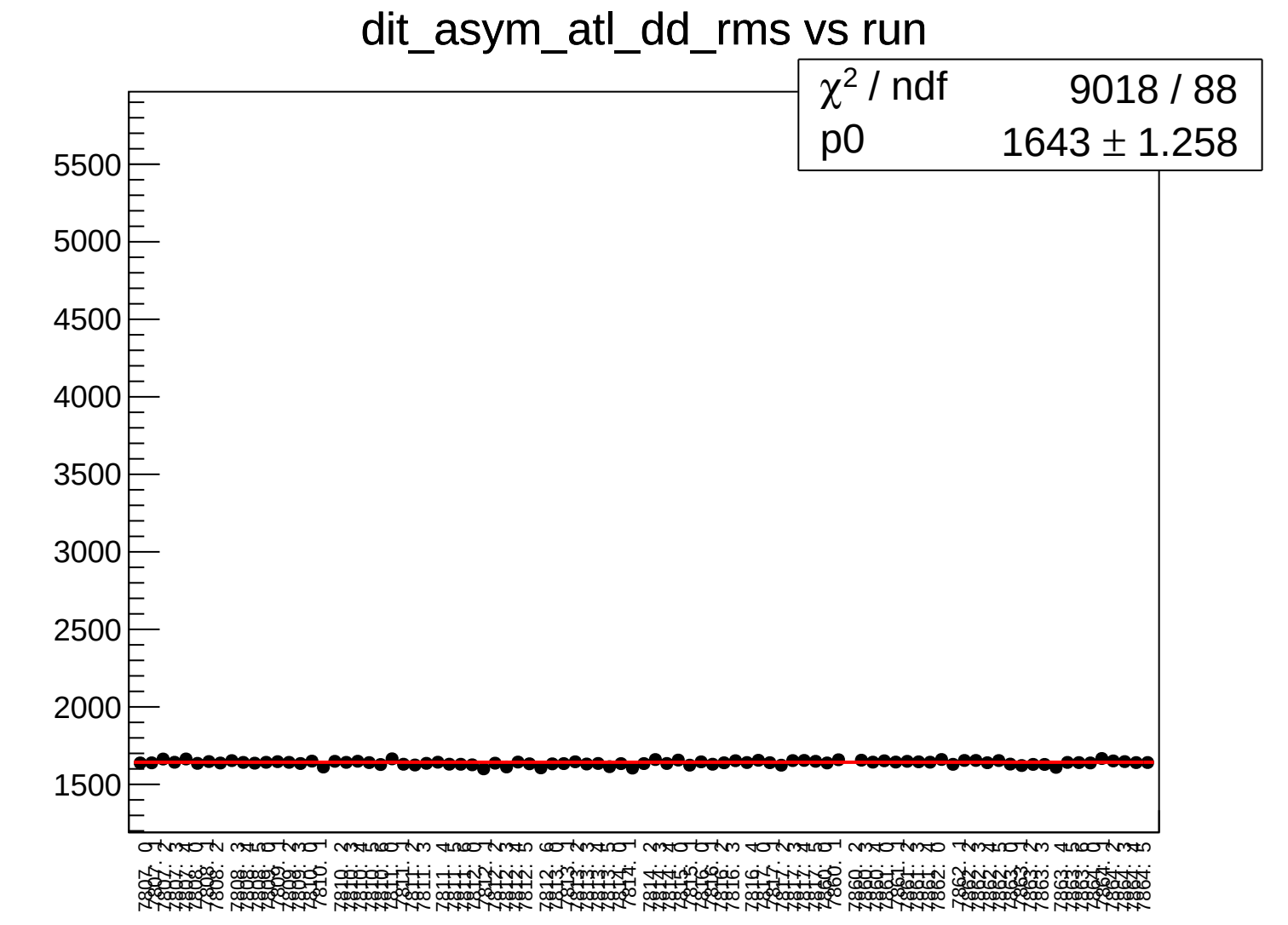

asym_atl_avg_mean vs run
×10^3
χ² / ndf 66.96 / 88
p0 −9454 ± 5940
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 109.1
Std Dev 56.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

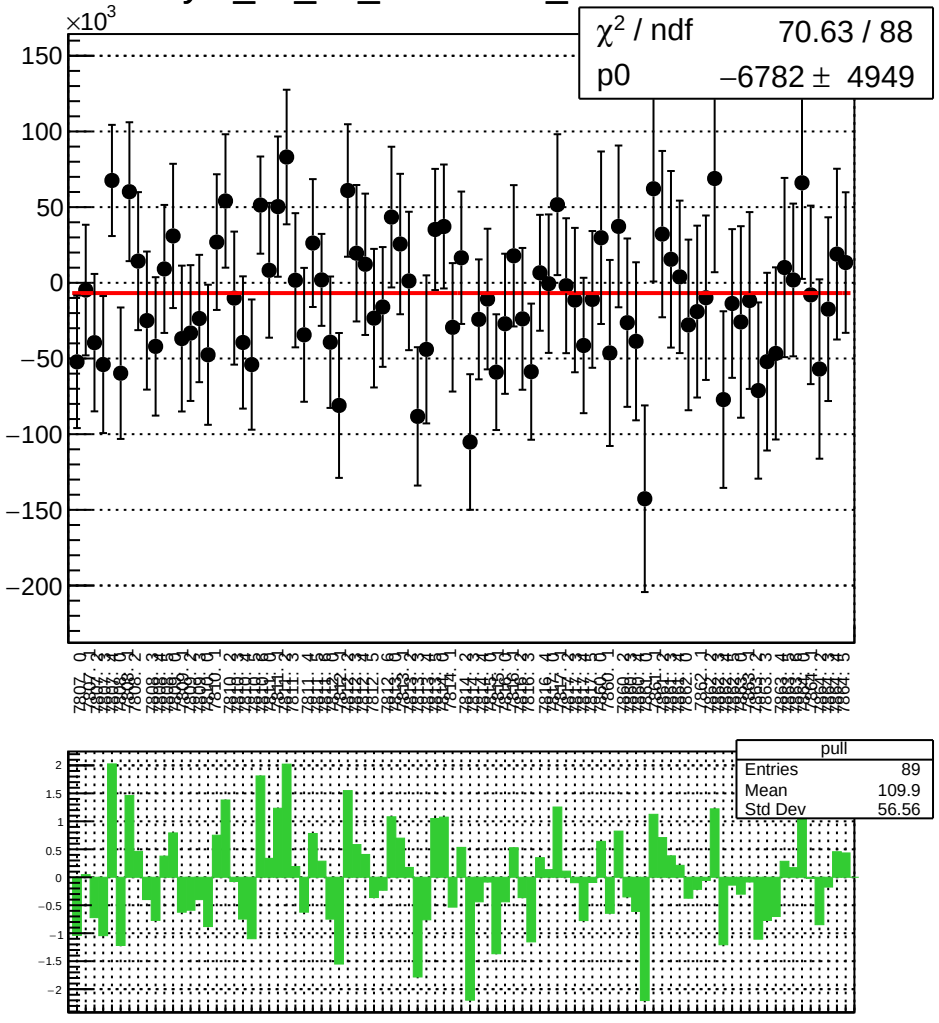

pull1D
Entries 89
Mean −0.02423
Std Dev 0.8671
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

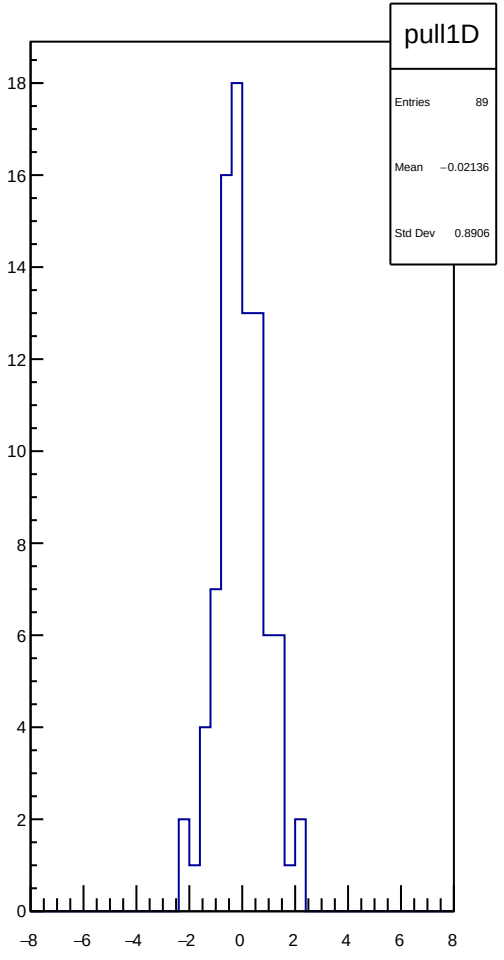

asym_atl_avg_rms vs run
χ² / ndf 1.875e+04 / 88
p0 5468 ± 4.201
8000
7500
7000
6500
6000
5500
5000
4500

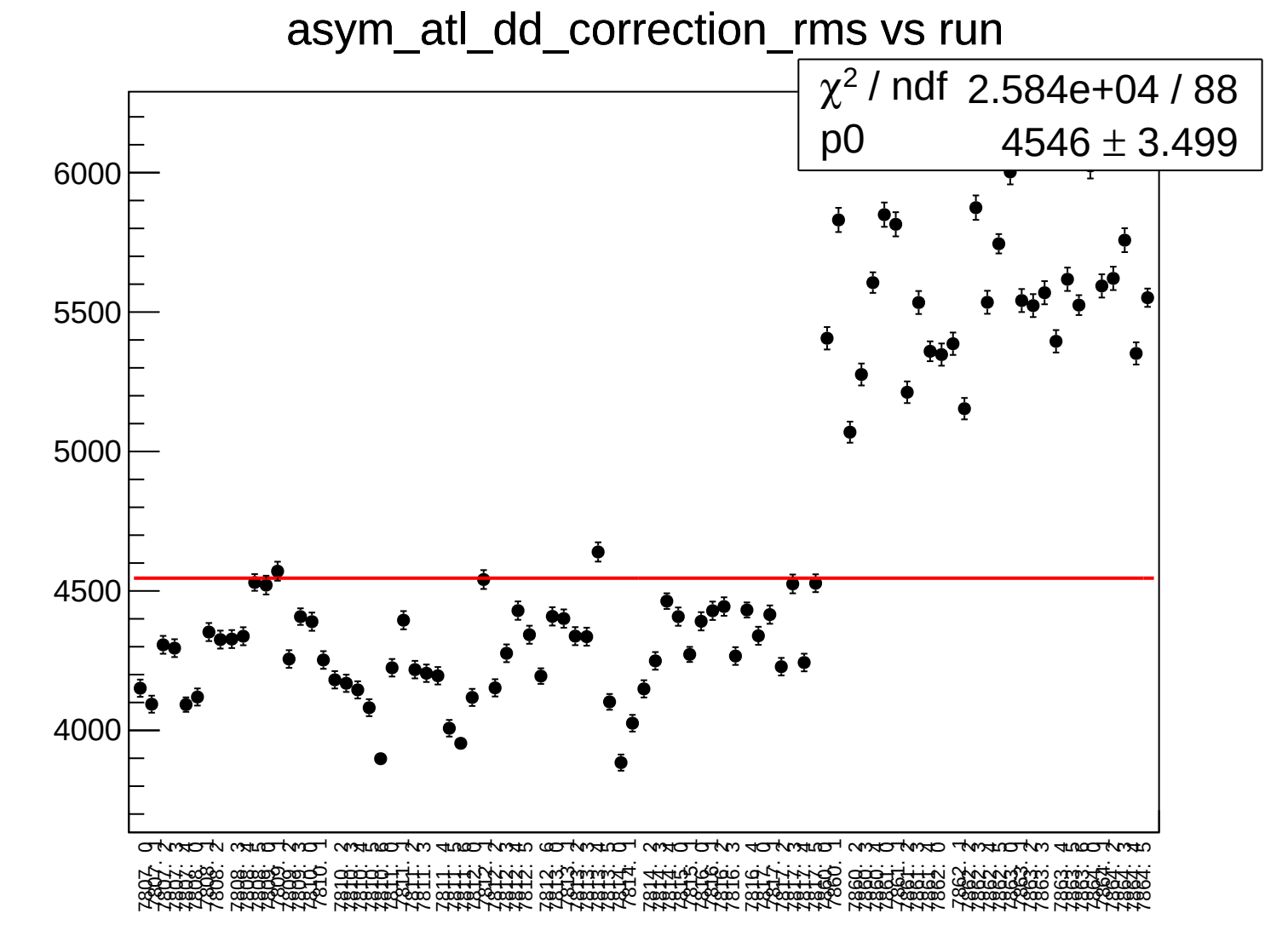

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 84.58 / 88
p0 −26.86 ± 1780
pull
Entries 89
Mean 47.32
Std Dev 59.98

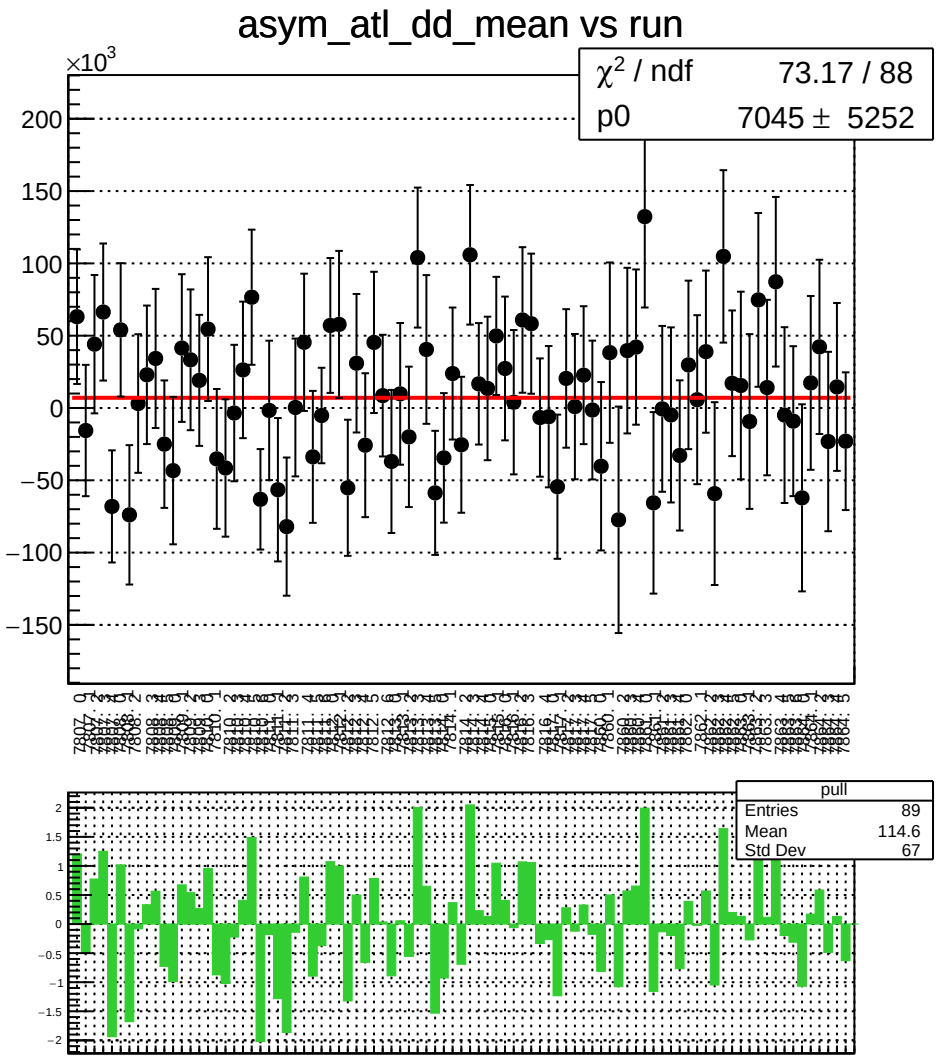

pull1D
Entries 89
Mean 0.009656
Std Dev 0.9748

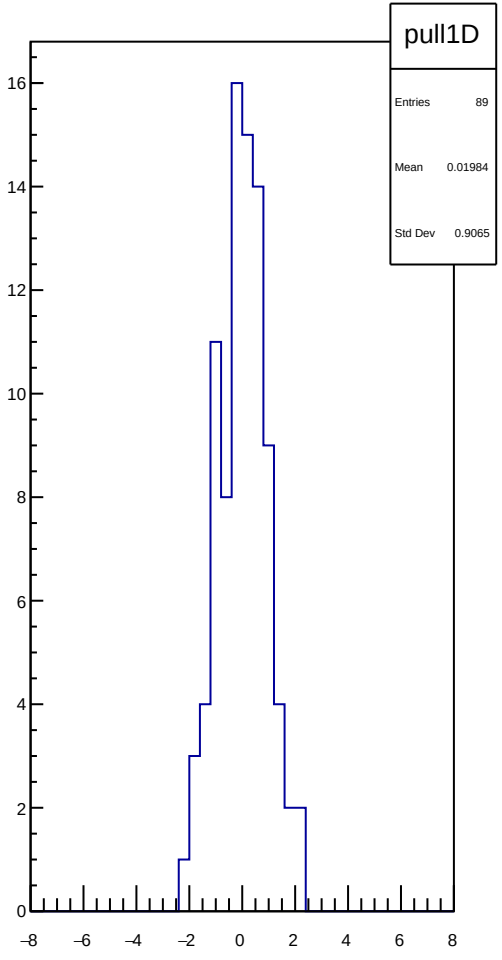

dit_asym_atl_dd_rms vs run
χ² / ndf 9018 / 88
p0 1643 ± 1.258
5500
5000
4500
4000
3500
3000
2500
2000
1500

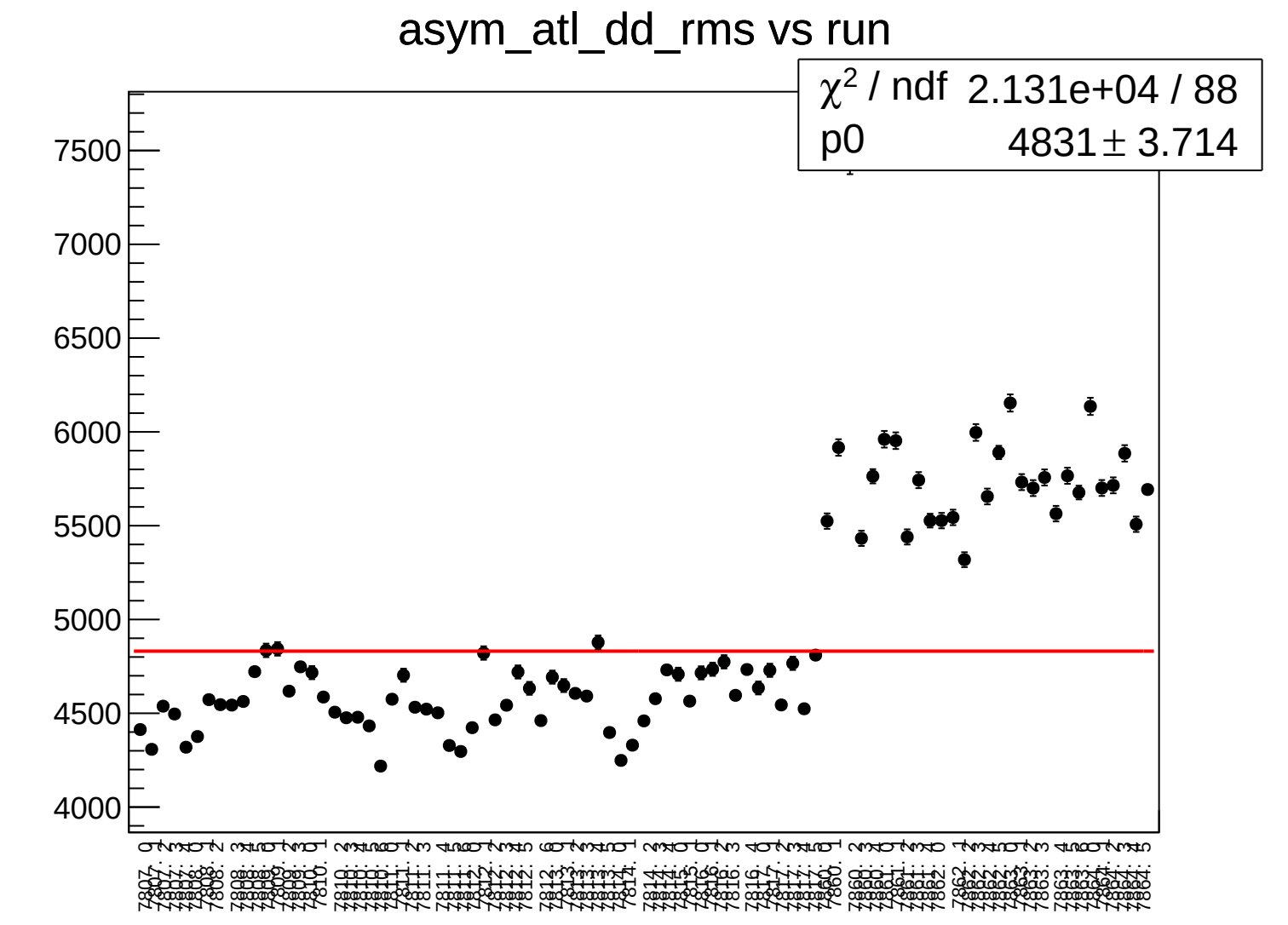

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 70.63 / 88
p0 −6782 ± 4949
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 109.9
Std Dev 56.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

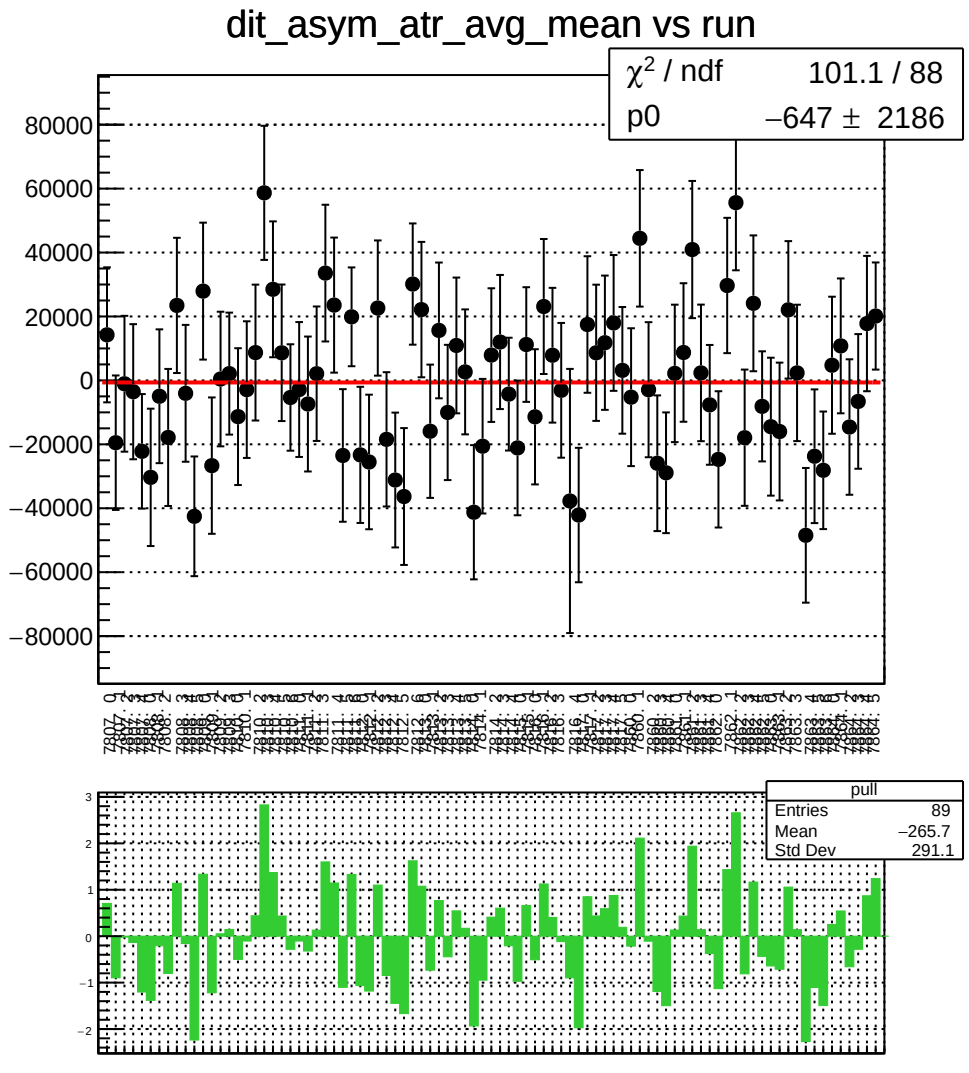

pull1D
Entries 89
Mean −0.02136
Std Dev 0.8906
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

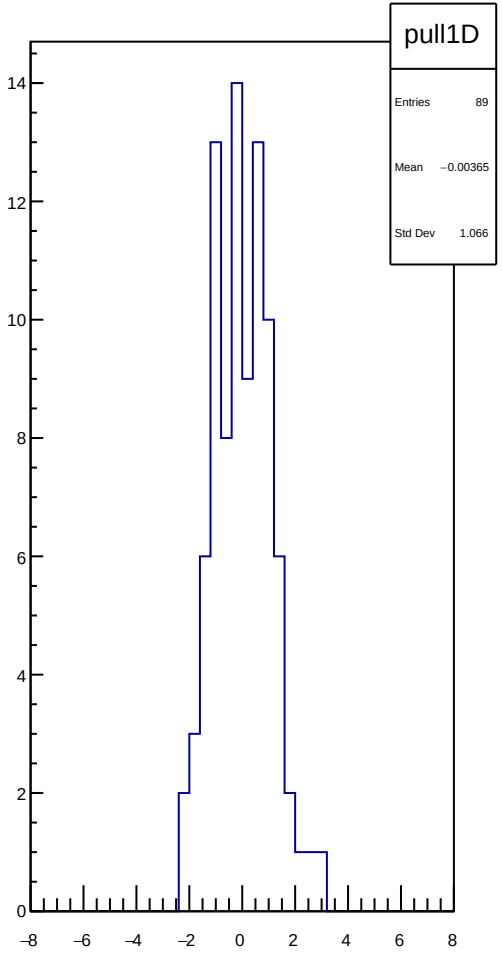

asym_atl_dd_correction_rms vs run
χ² / ndf 2.584e+04 / 88
p0 4546 ± 3.499
6000
5500
5000
4500
4000

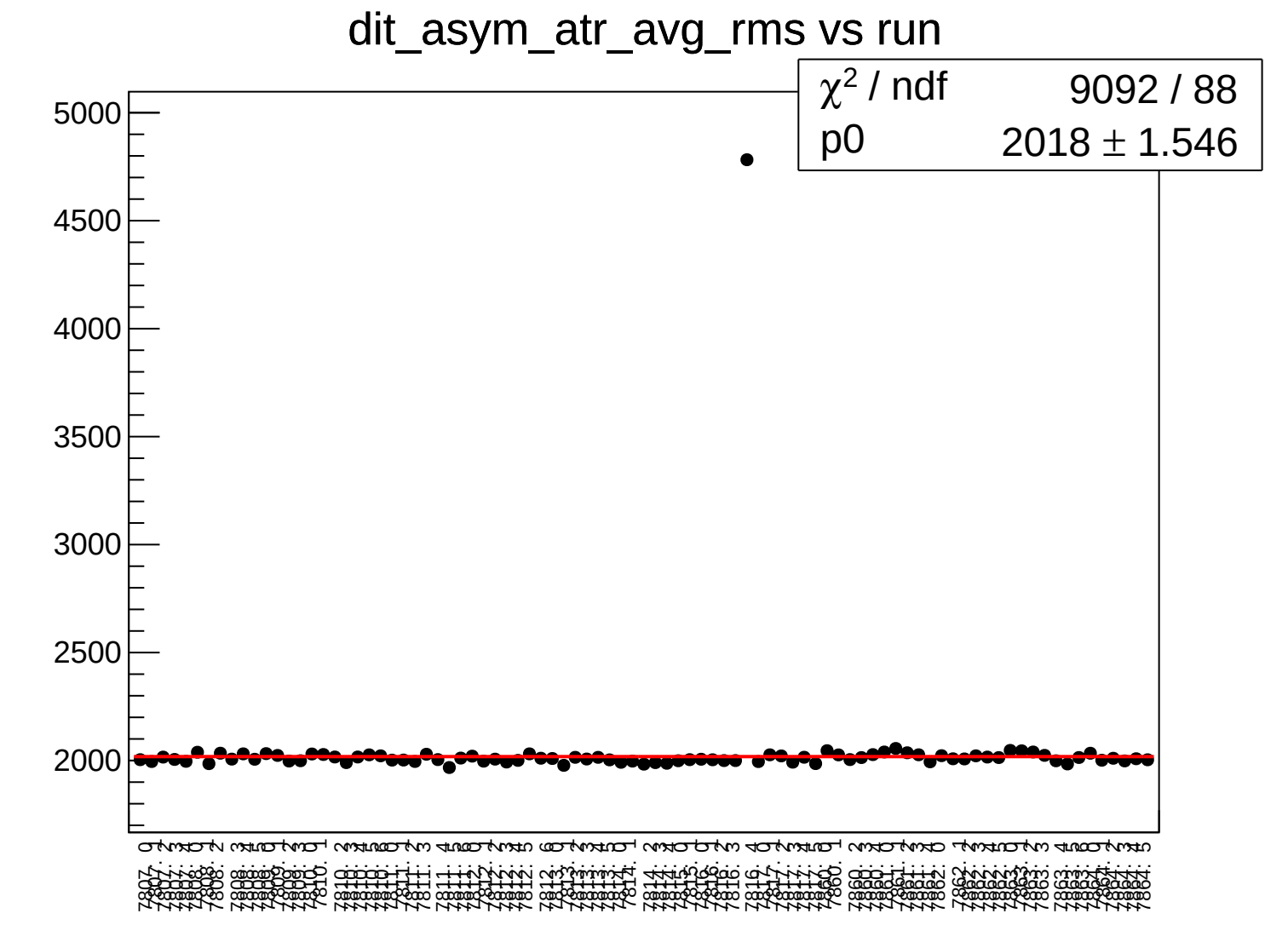

asym_atl_dd_mean vs run
×10^3
χ² / ndf 73.17 / 88
p0 7045 ± 5252
pull
Entries 89
Mean 114.6
Std Dev 67

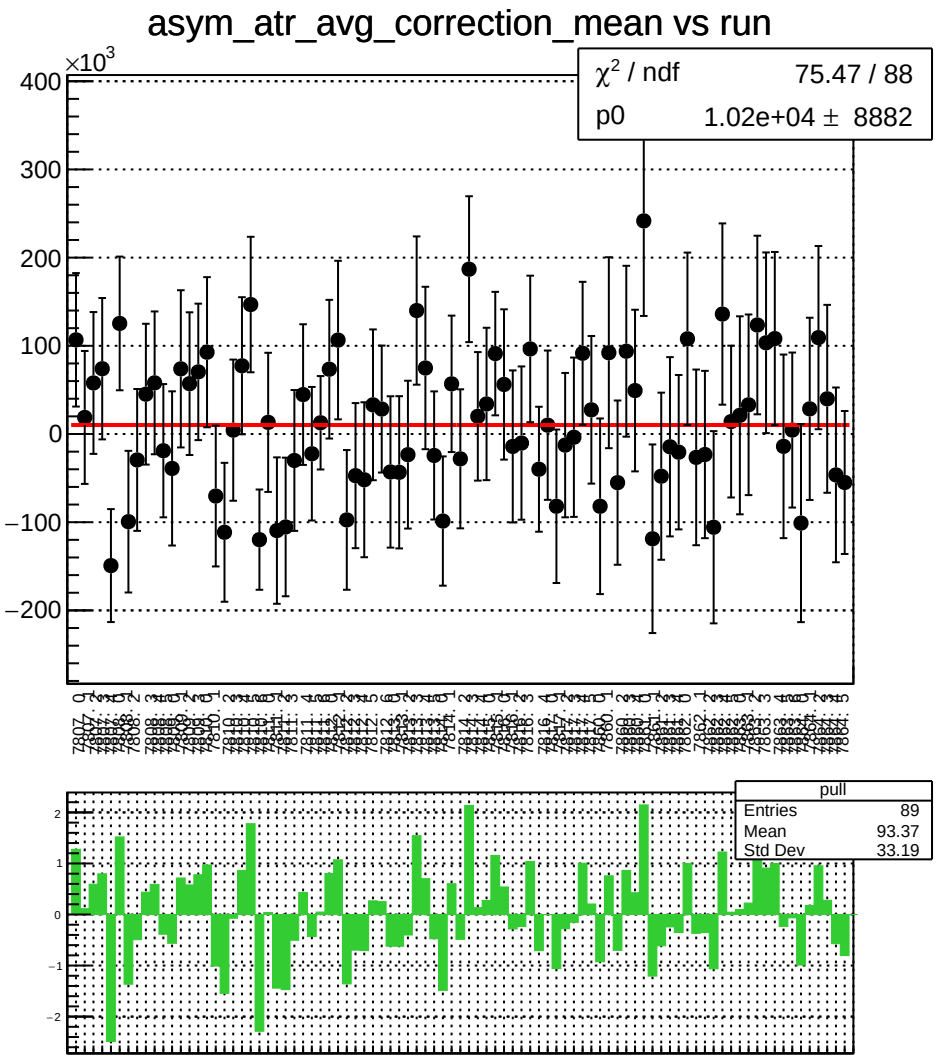

pull1D
Entries 89
Mean 0.01984
Std Dev 0.9065

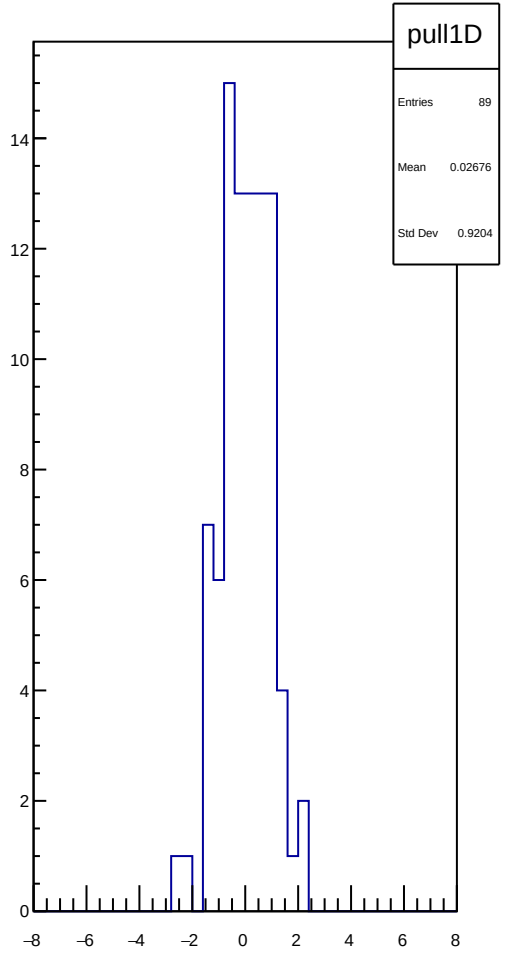

asym_atl_dd_rms vs run
χ² / ndf 2.131e+04 / 88
p0 4831 ± 3.714
7500
7000
6500
6000
5500
5000
4500
4000

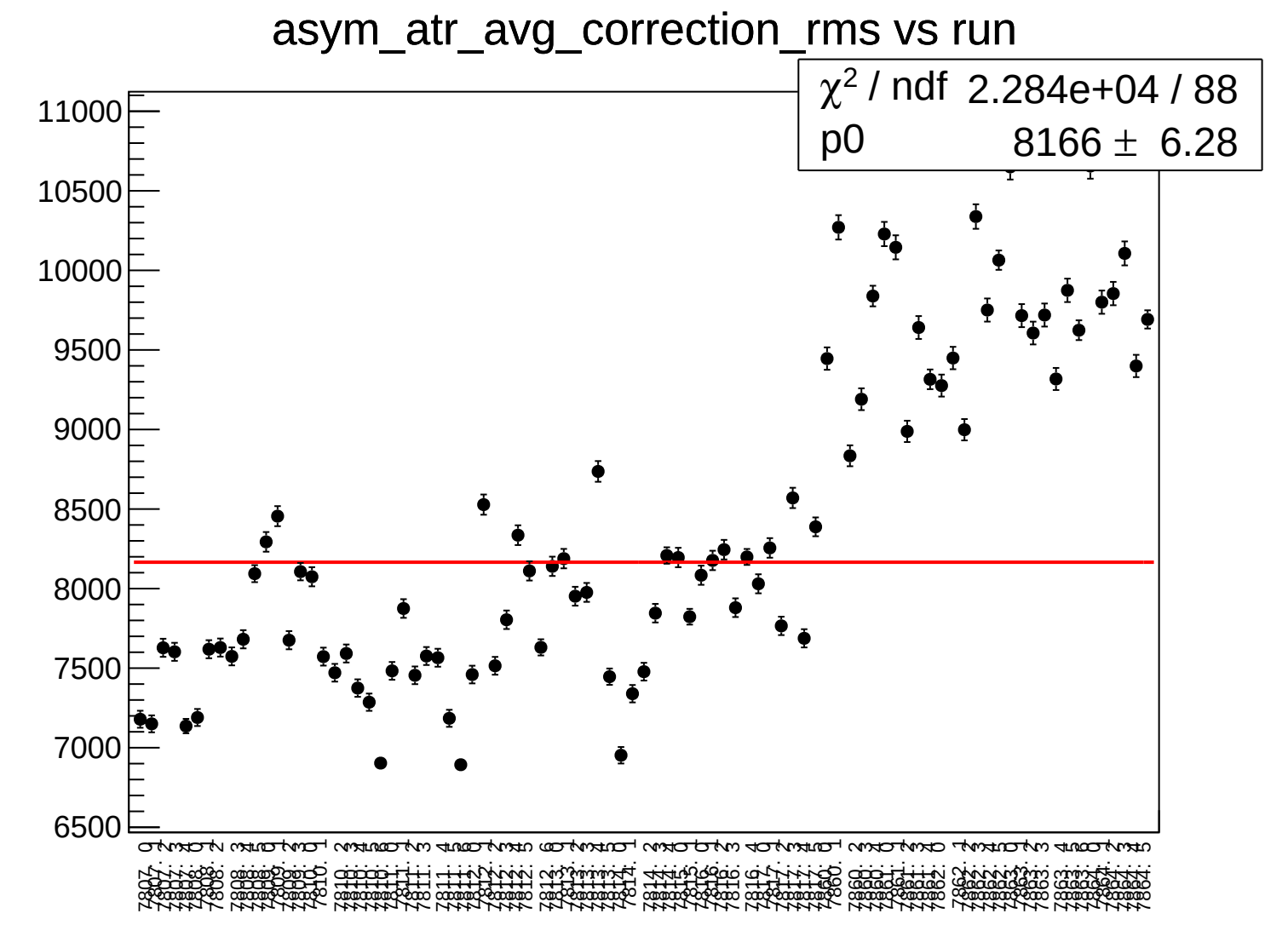

dit_asym_atr_avg_mean vs run
χ² / ndf 101.1 / 88
p0 −647 ± 2186
pull
Entries 89
Mean −265.7
Std Dev 291.1

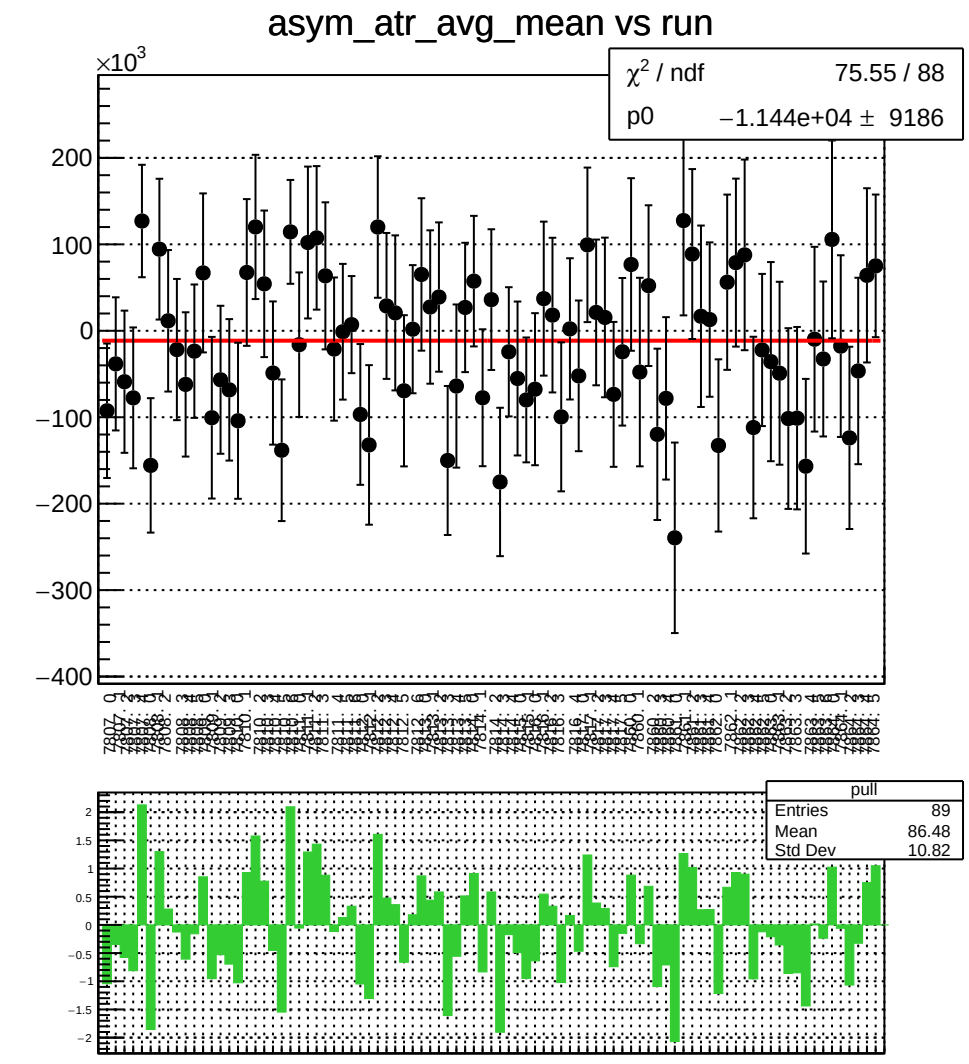

pull1D
Entries 89
Mean −0.00365
Std Dev 1.066

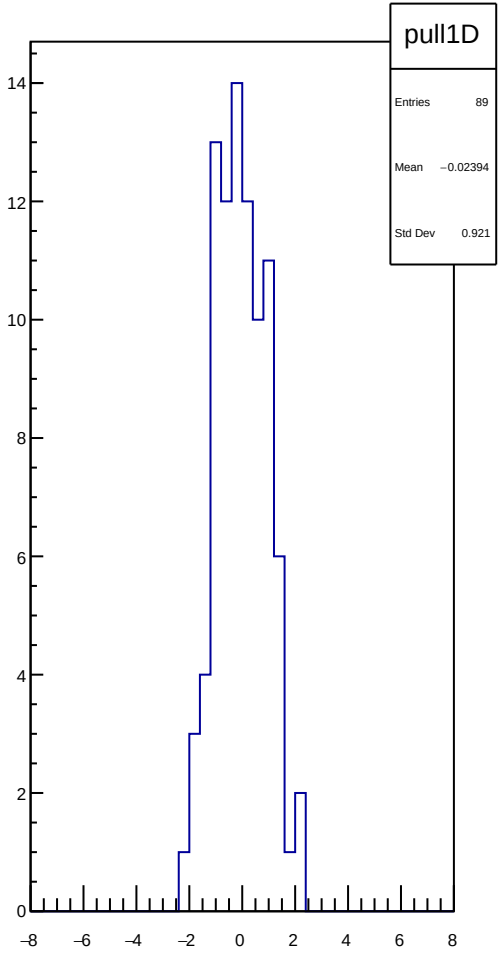

dit_asym_atr_avg_rms vs run
χ^2 / ndf 9092 / 88
p0 2018 ± 1.546
5000
4500
4000
3500
3000
2500
2000

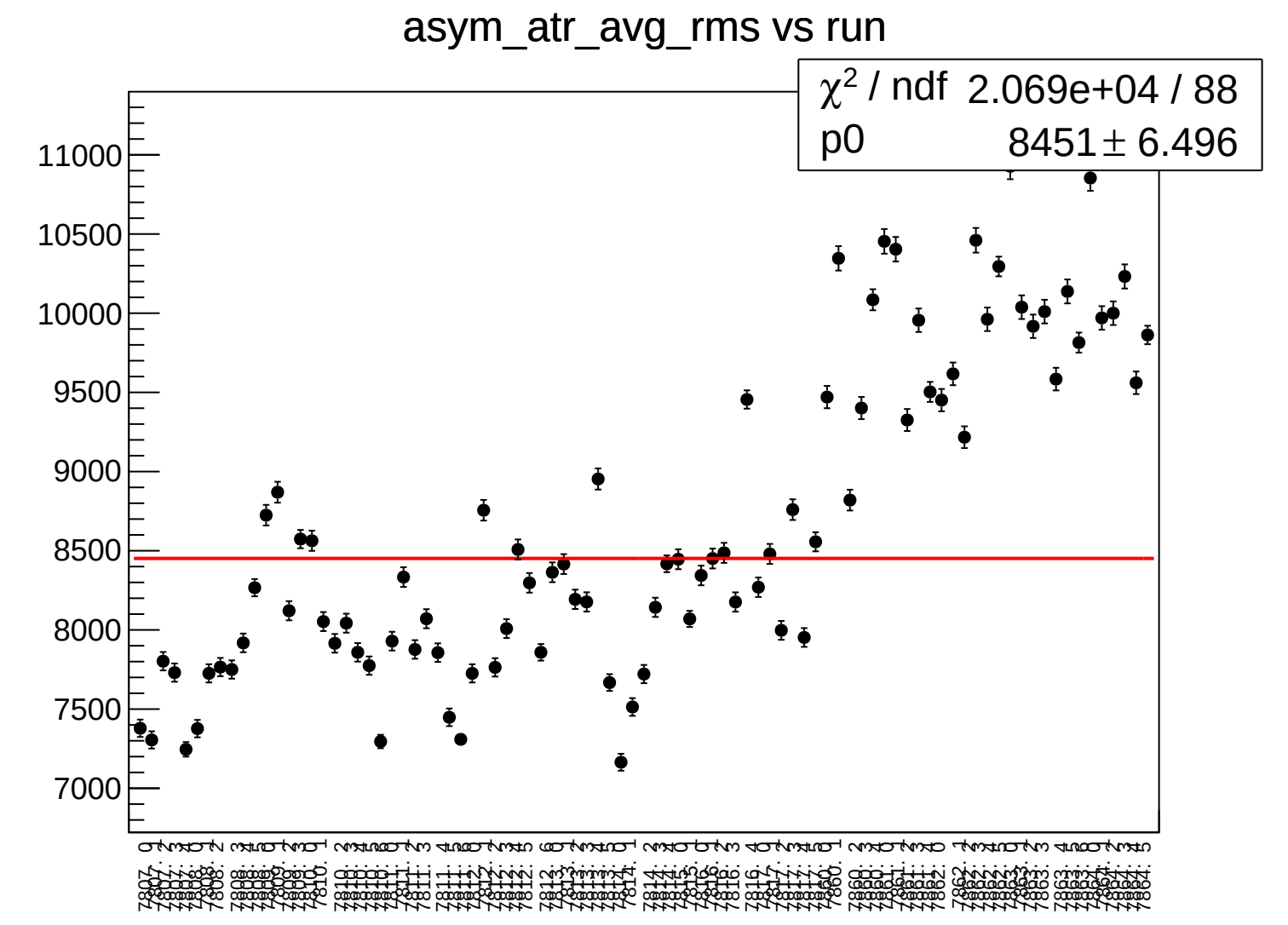

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 75.47 / 88
p0 1.02e+04 ± 8882
pull
Entries 89
Mean 93.37
Std Dev 33.19

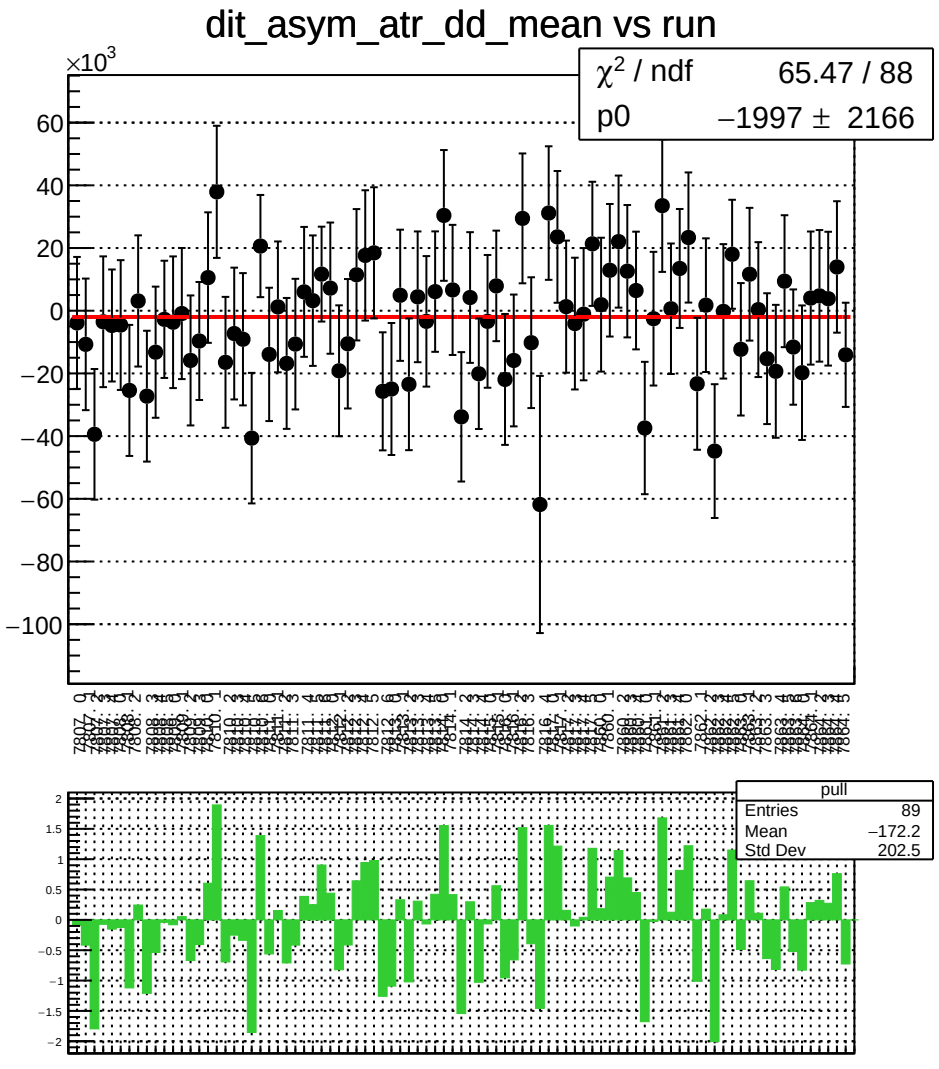

pull1D
Entries 89
Mean 0.02676
Std Dev 0.9204

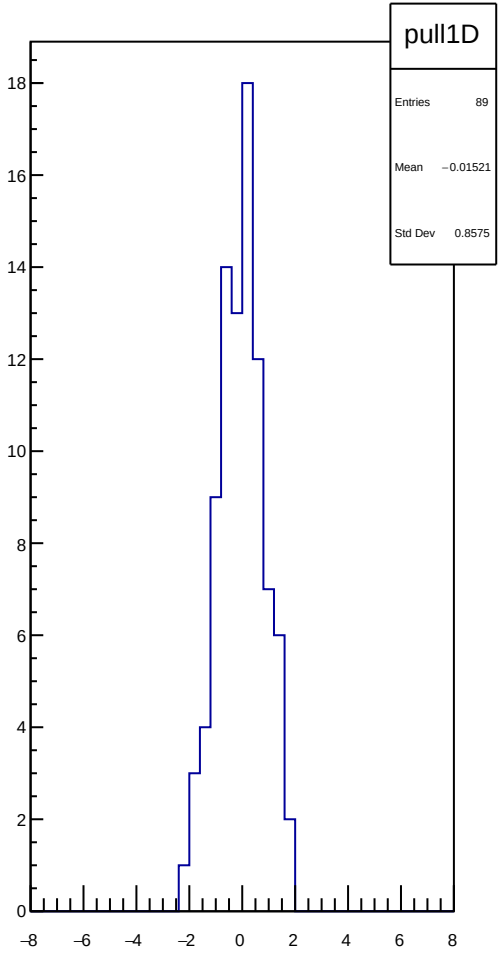

asym_atr_avg_correction_rms vs run
χ² / ndf 2.284e+04 / 88
p0 8166 ± 6.28
11000
10500
10000
9500
9000
8500
8000
7500
7000
6500

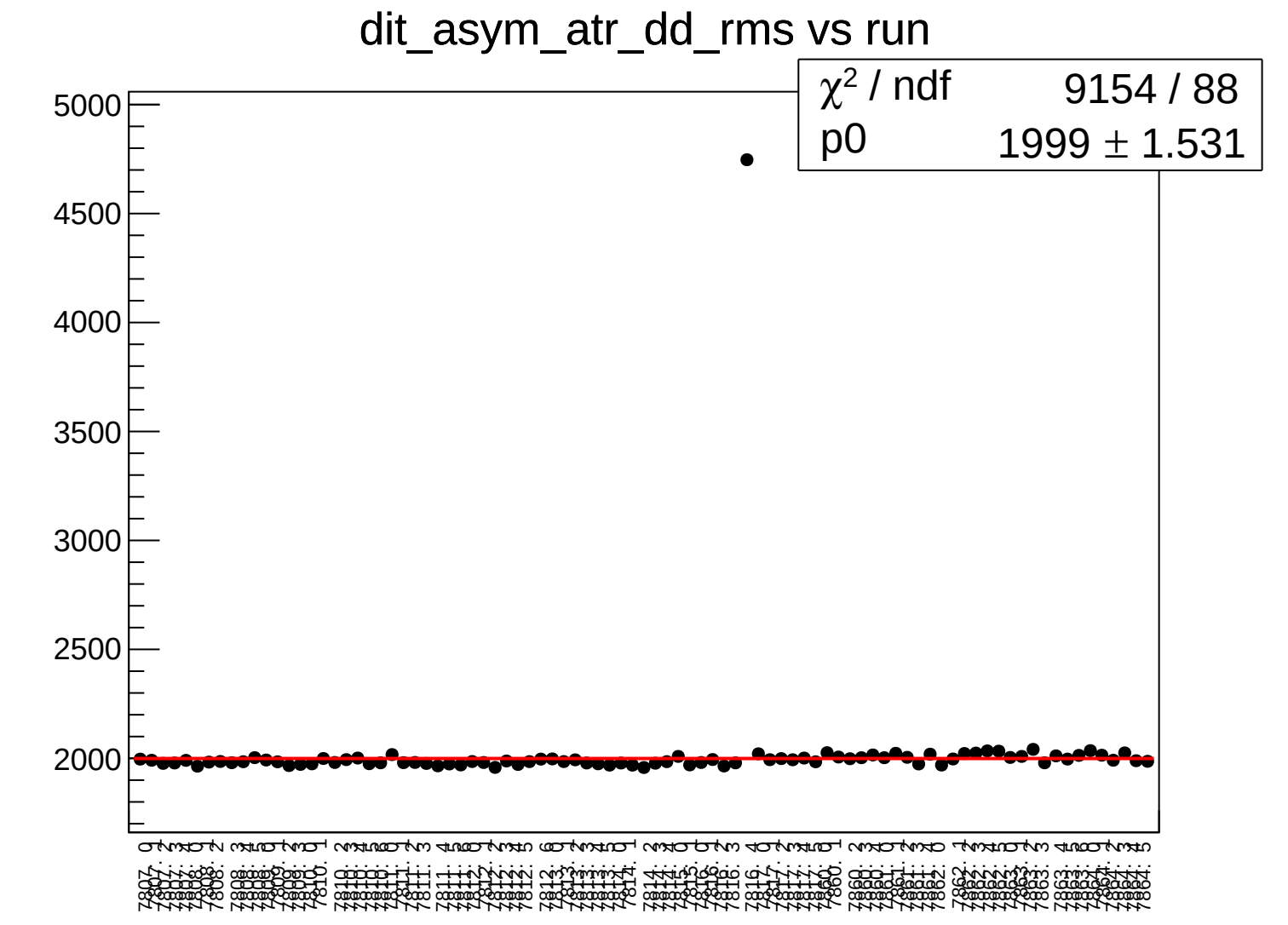

asym_atr_avg_mean vs run
×10^3
χ² / ndf 75.55 / 88
p0 −1.144e+04 ± 9186
200
100
0
−100
−200
−300
−400
pull
Entries 89
Mean 86.48
Std Dev 10.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

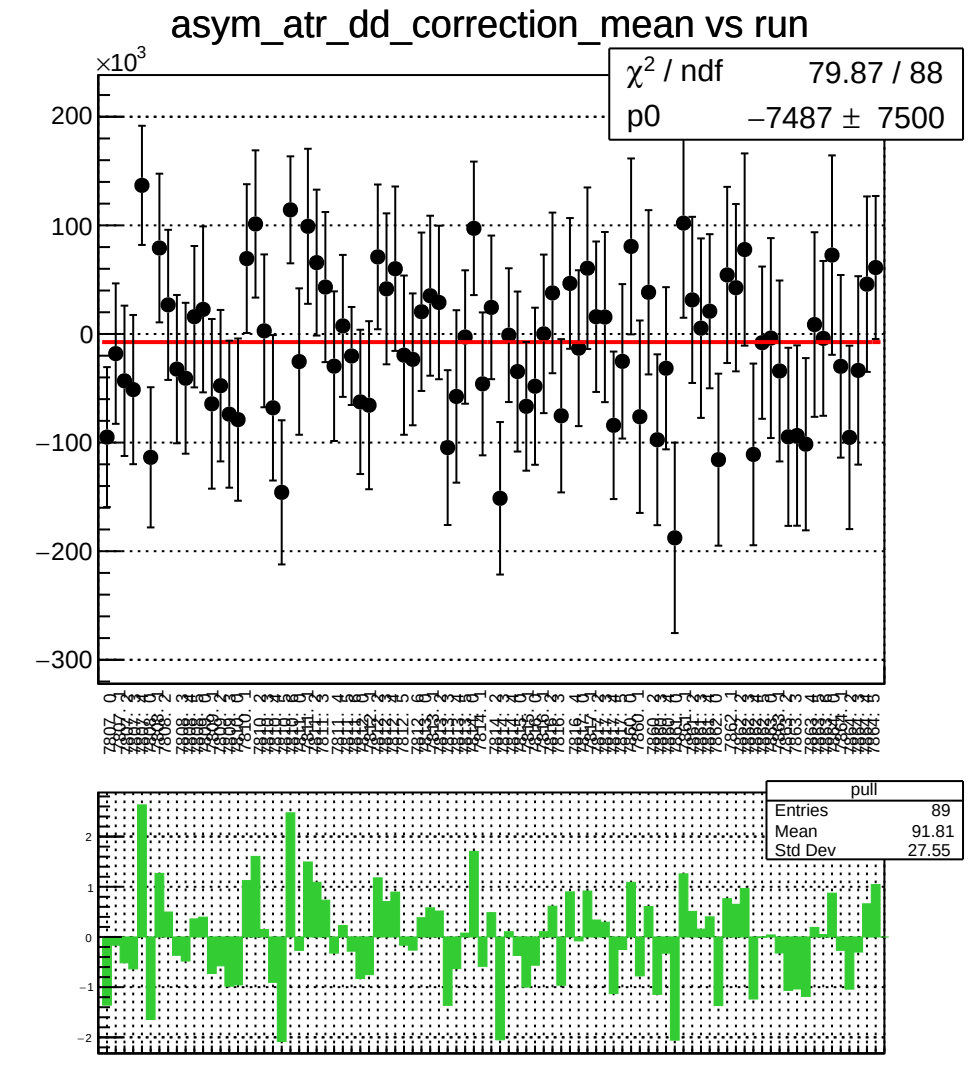

pull1D
Entries 89
Mean −0.02394
Std Dev 0.921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

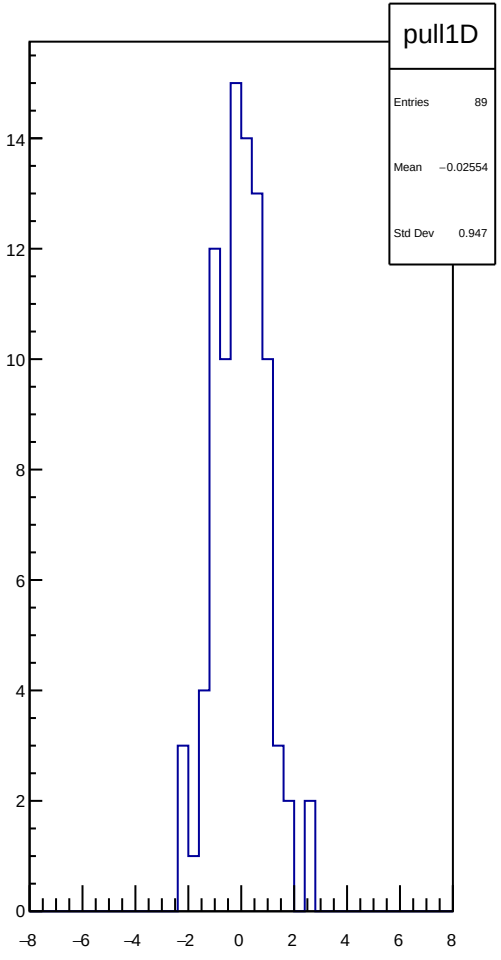

asym_atr_avg_rms vs run
χ^2 / ndf 2.069e+04 / 88
p0 8451 ± 6.496
11000
10500
10000
9500
9000
8500
8000
7500
7000

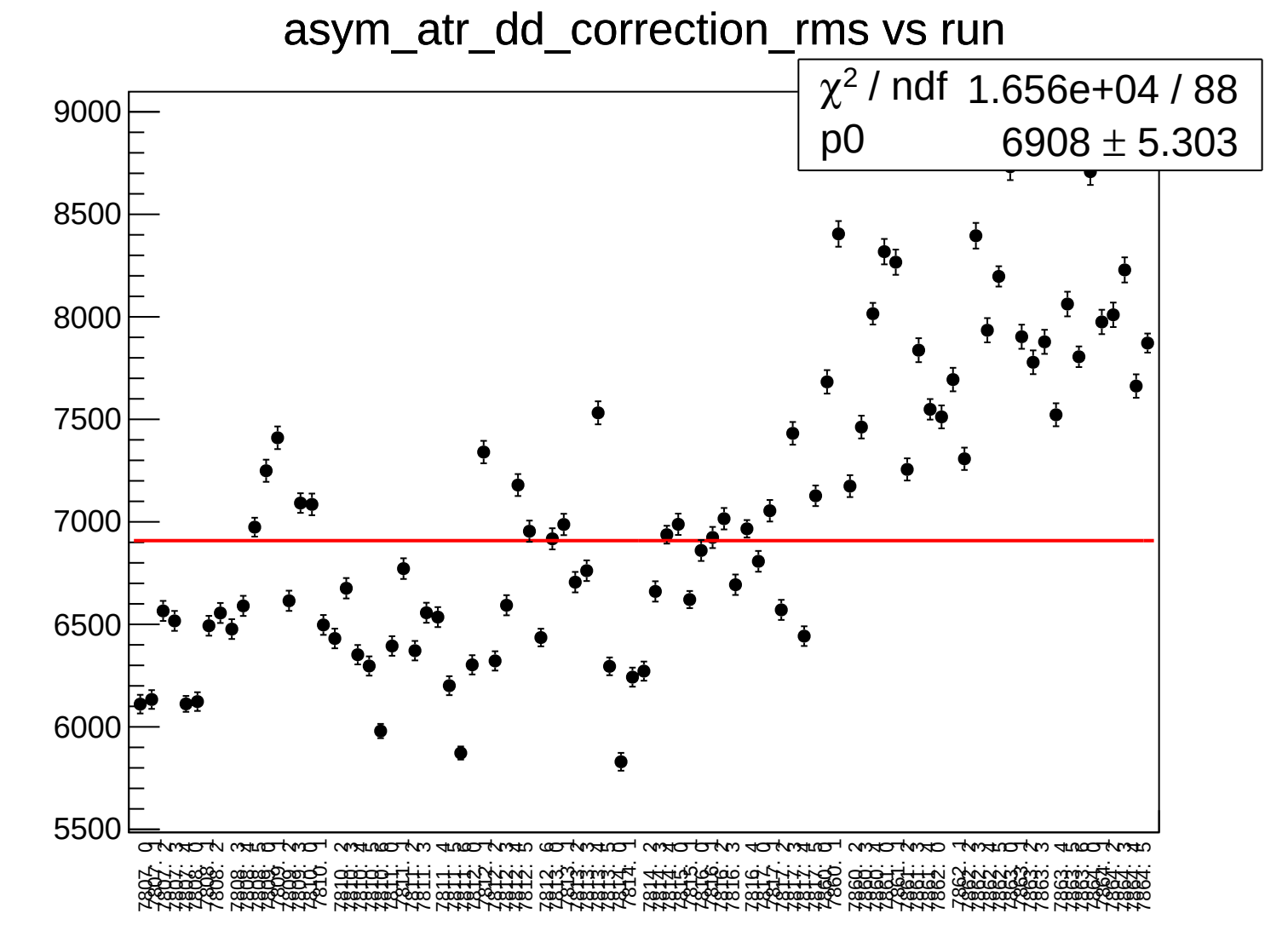

dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 65.47 / 88
p0 −1997 ± 2166
pull
Entries 89
Mean −172.2
Std Dev 202.5

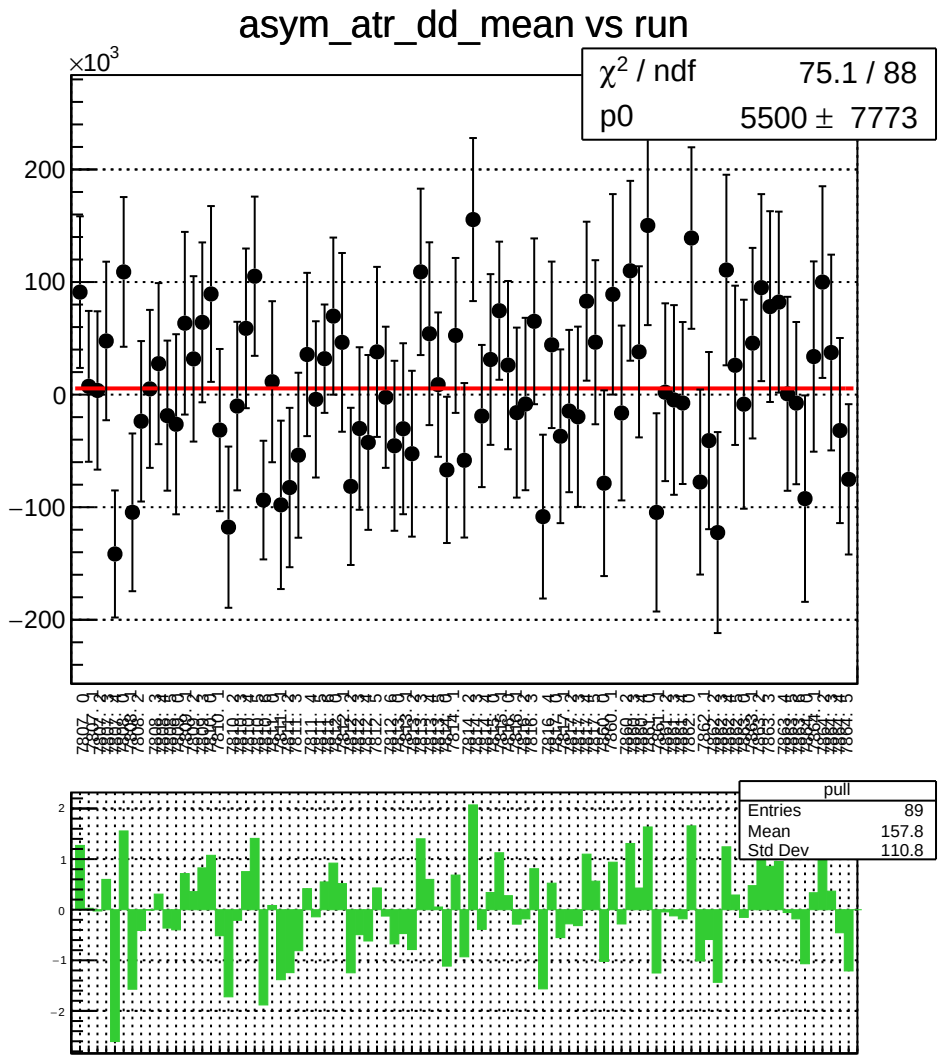

pull1D
Entries 89
Mean −0.01521
Std Dev 0.8575

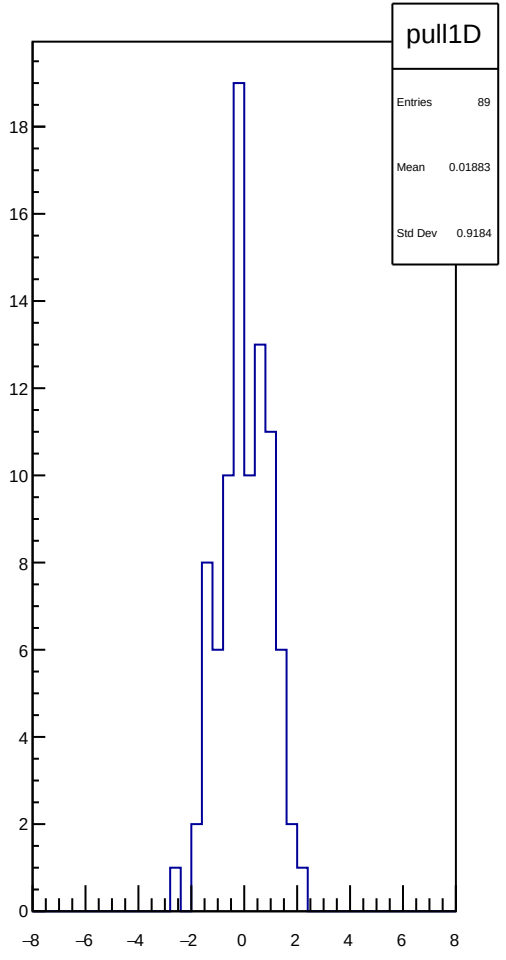

dit_asym_atr_dd_rms vs run
χ^2 / ndf 9154 / 88
p0 1999 ± 1.531
5000
4500
4000
3500
3000
2500
2000

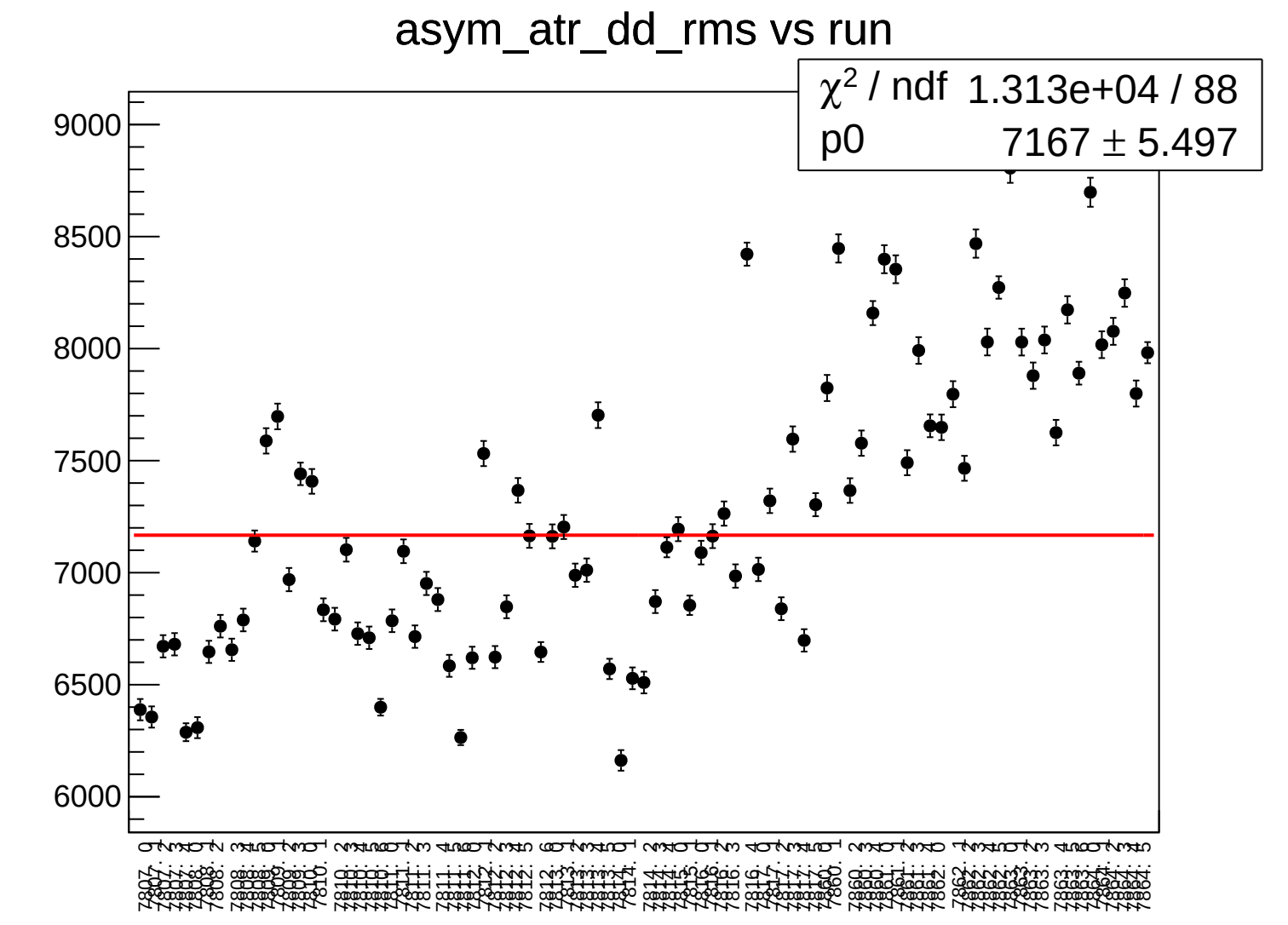

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 79.87 / 88
p0 −7487 ± 7500
200
100
0
−100
−200
−300
pull
Entries 89
Mean 91.81
Std Dev 27.55
2
1
0
−1
−2

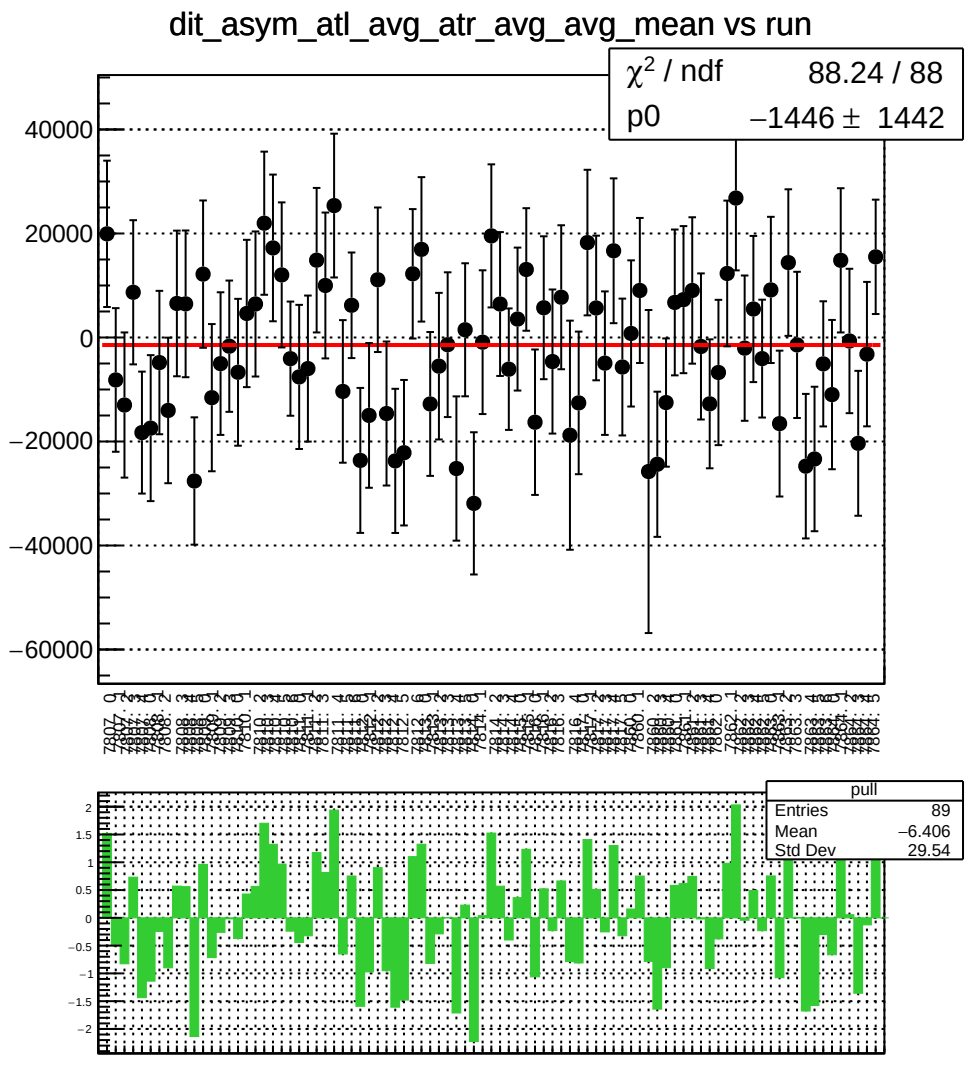

pull1D
Entries 89
Mean −0.02554
Std Dev 0.947
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

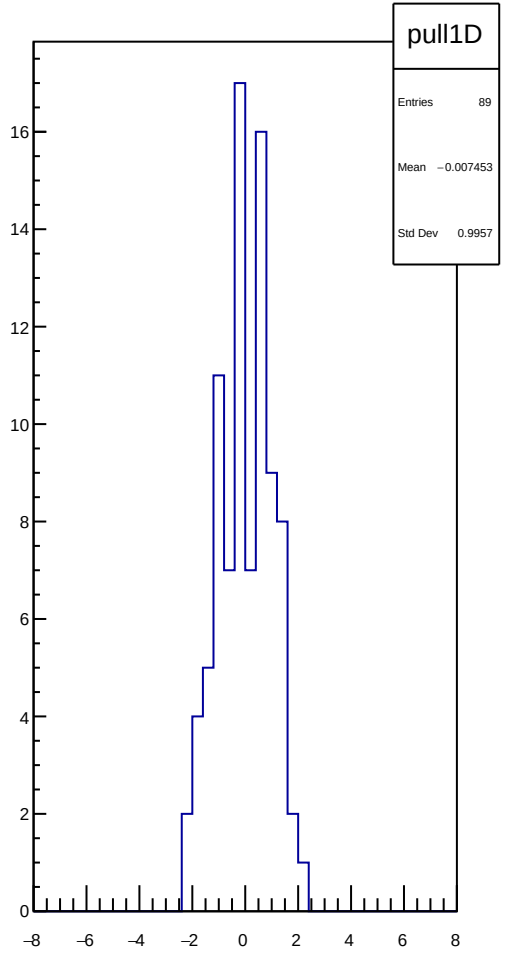

asym_atr_dd_correction_rms vs run
χ² / ndf 1.656e+04 / 88
p0 6908 ± 5.303
9000
8500
8000
7500
7000
6500
6000
5500

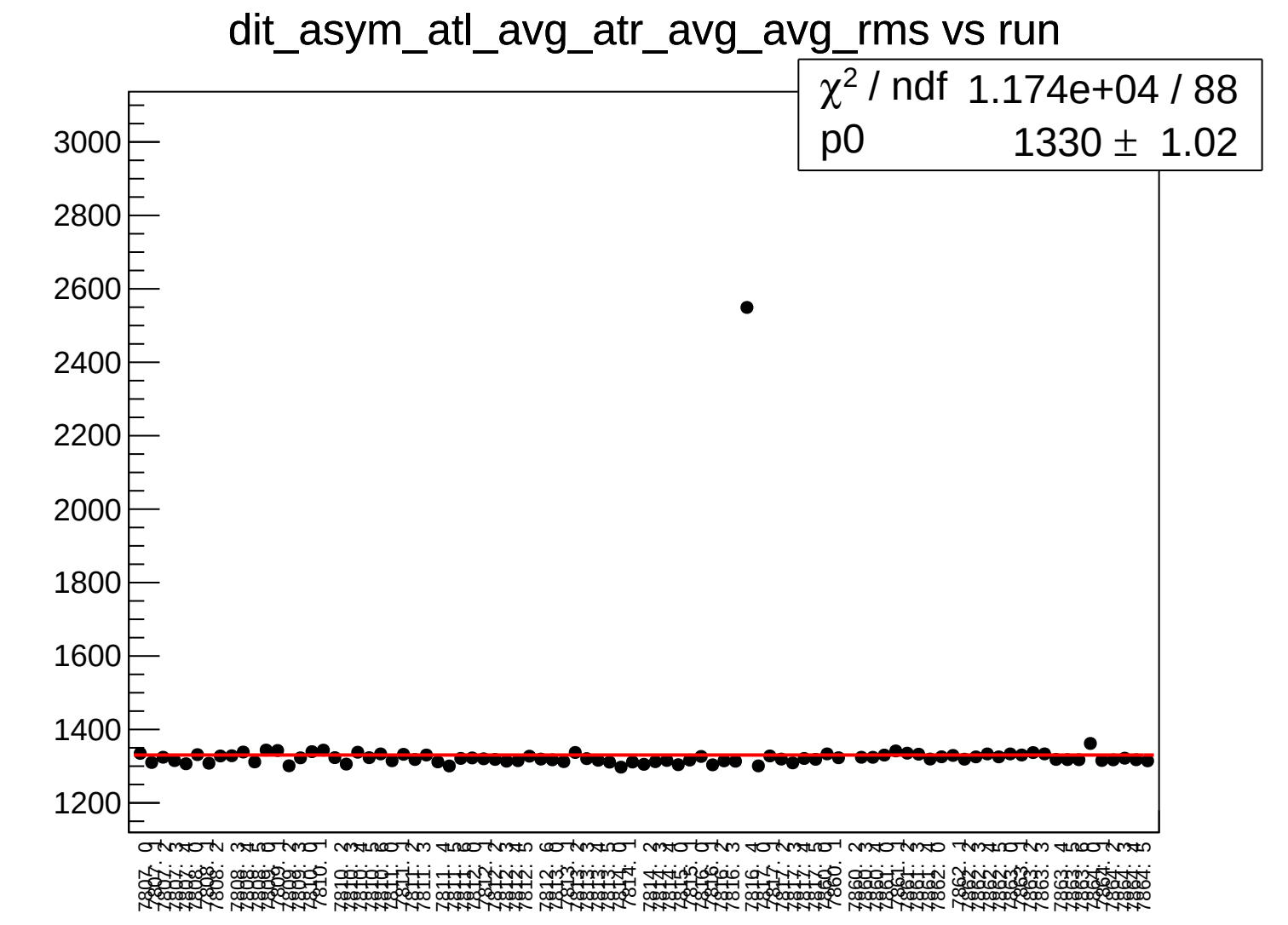

asym_atr_dd_mean vs run
×10^3
χ² / ndf 75.1 / 88
p0 5500 ± 7773
200
100
0
−100
−200
pull
Entries 89
Mean 157.8
Std Dev 110.8
2
1
0
−1
−2

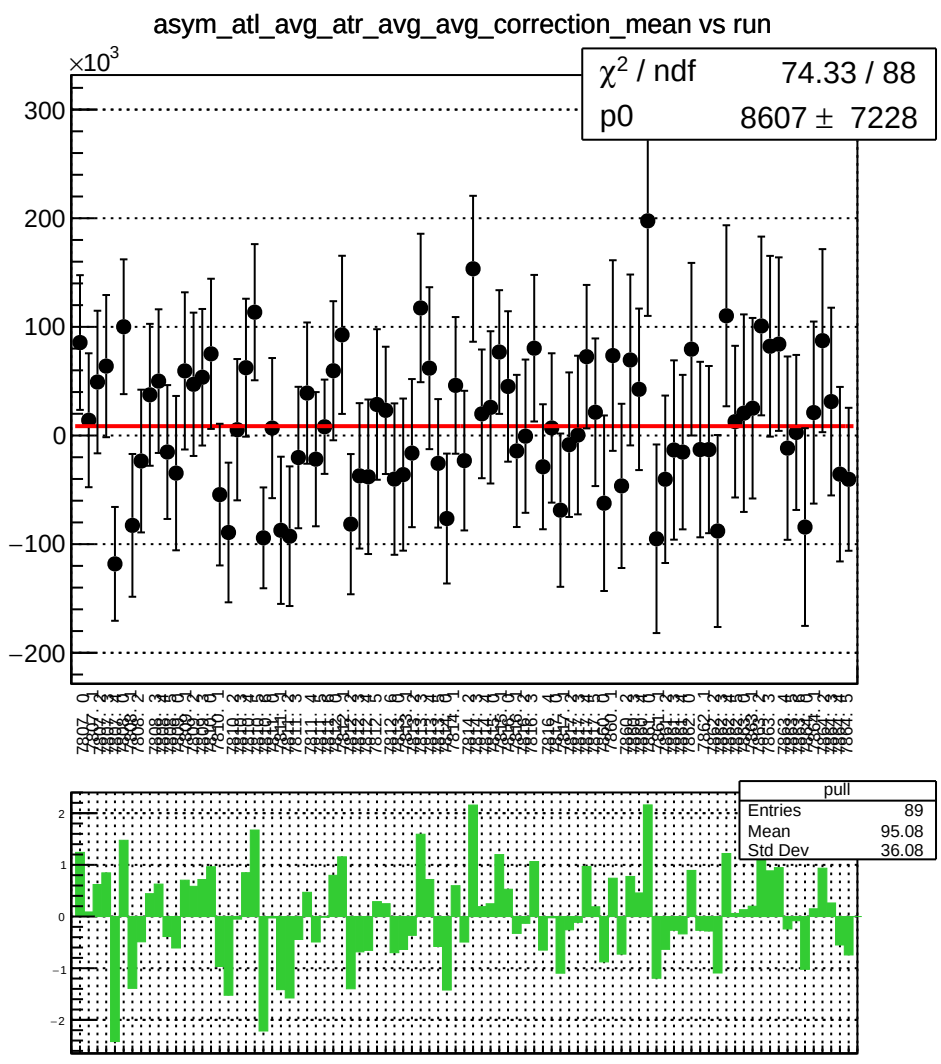

pull1D
Entries 89
Mean 0.01883
Std Dev 0.9184
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

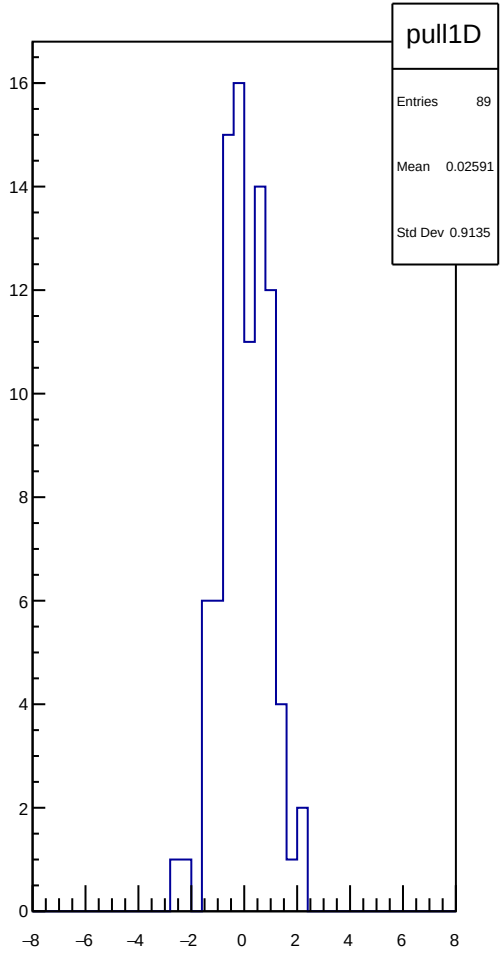

asym_atr_dd_rms vs run
χ^2 / ndf 1.313e+04 / 88
p0 7167 ± 5.497
9000
8500
8000
7500
7000
6500
6000

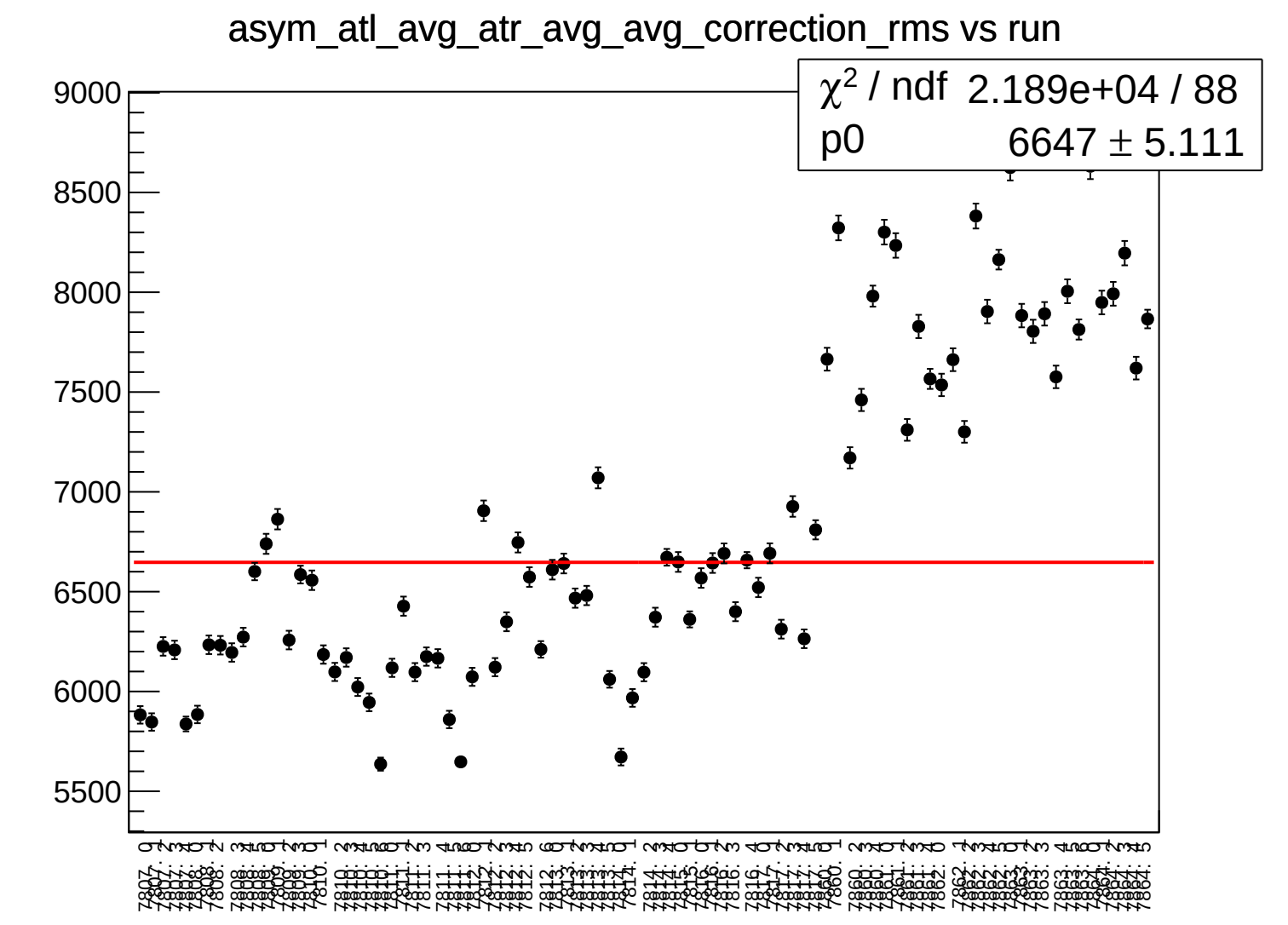

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 88.24 / 88
p0 −1446 ± 1442
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −6.406
Std Dev 29.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

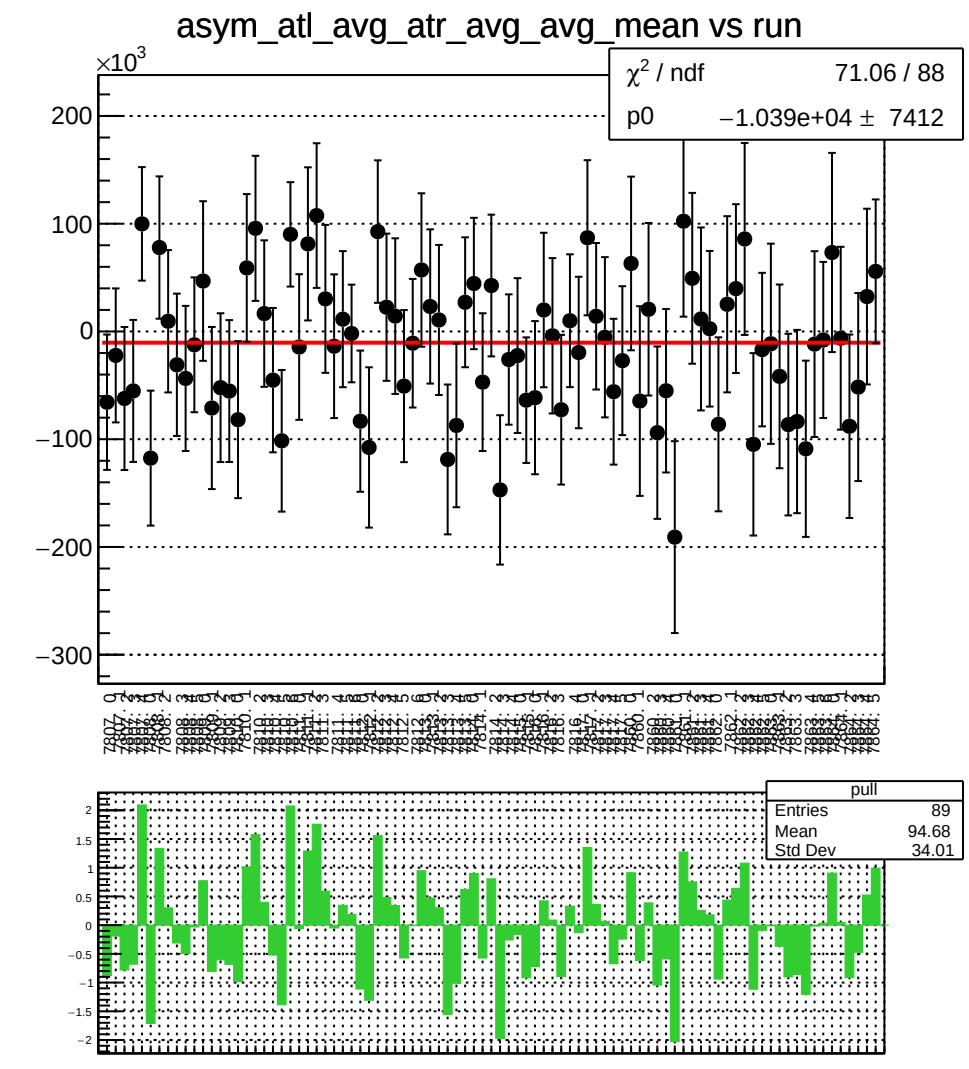

pull1D
Entries 89
Mean −0.007453
Std Dev 0.9957
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

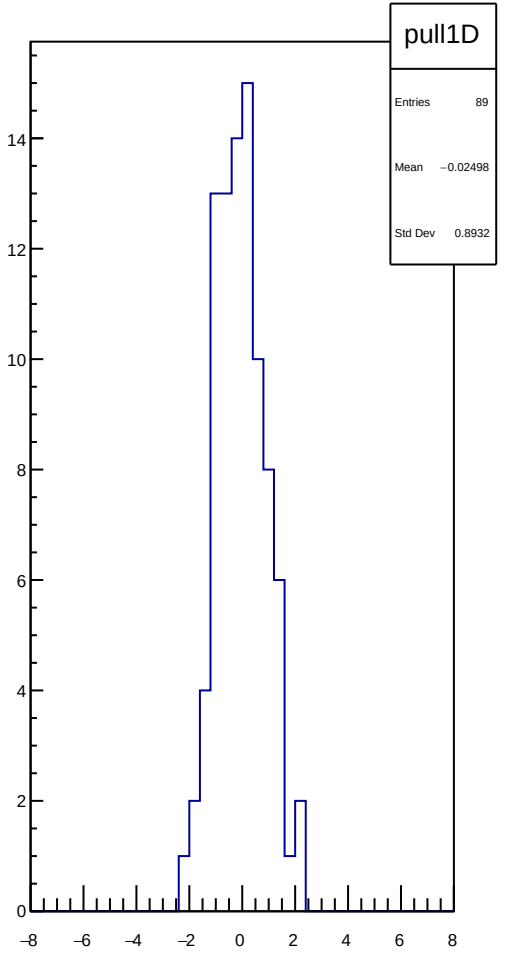

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.174e+04 / 88
p0 1330 ± 1.02
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

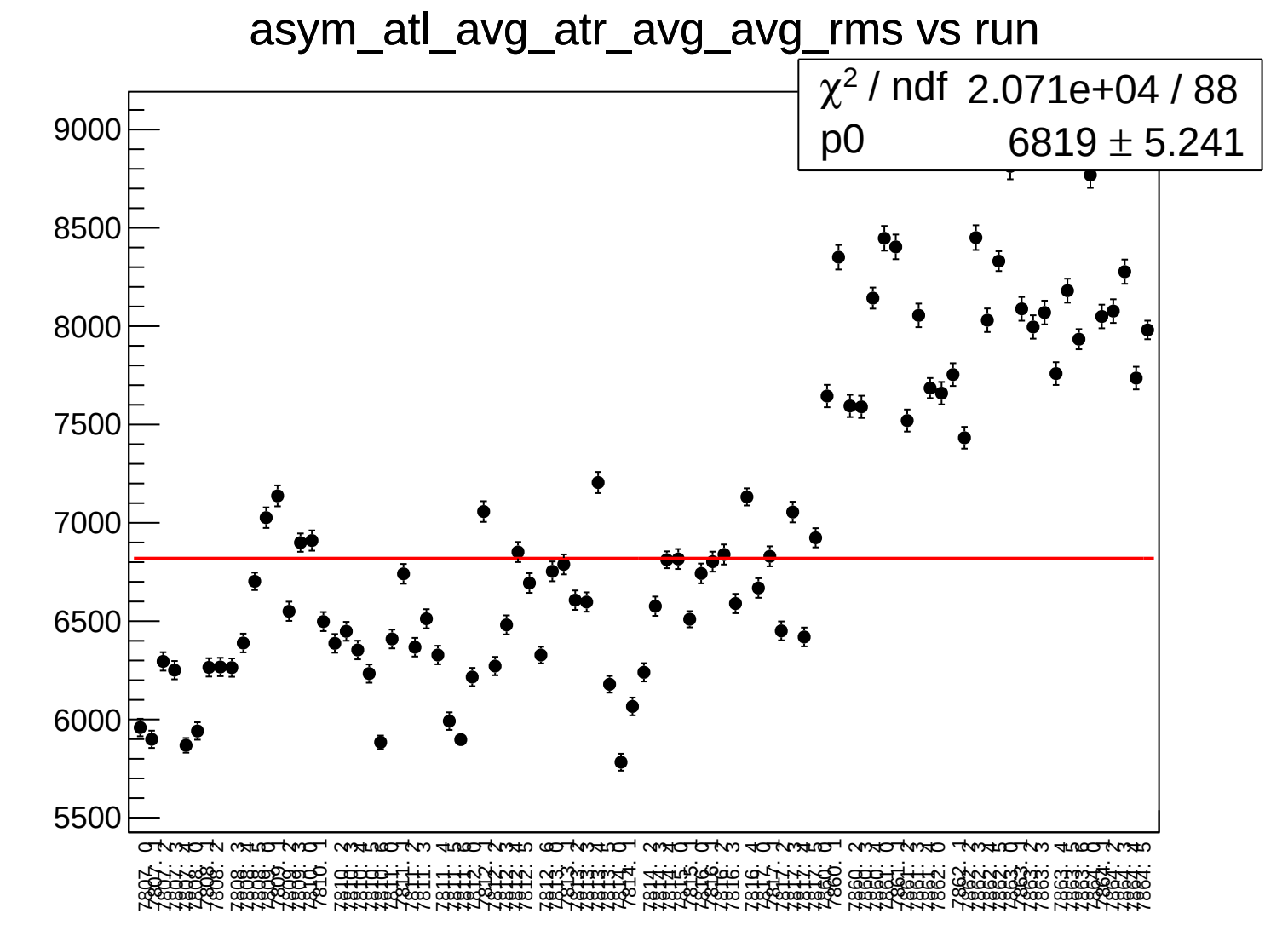

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 74.33 / 88
p0 8607 ± 7228
300
200
100
0
−100
−200
pull
Entries 89
Mean 95.08
Std Dev 36.08
2
1
0
−1
−2

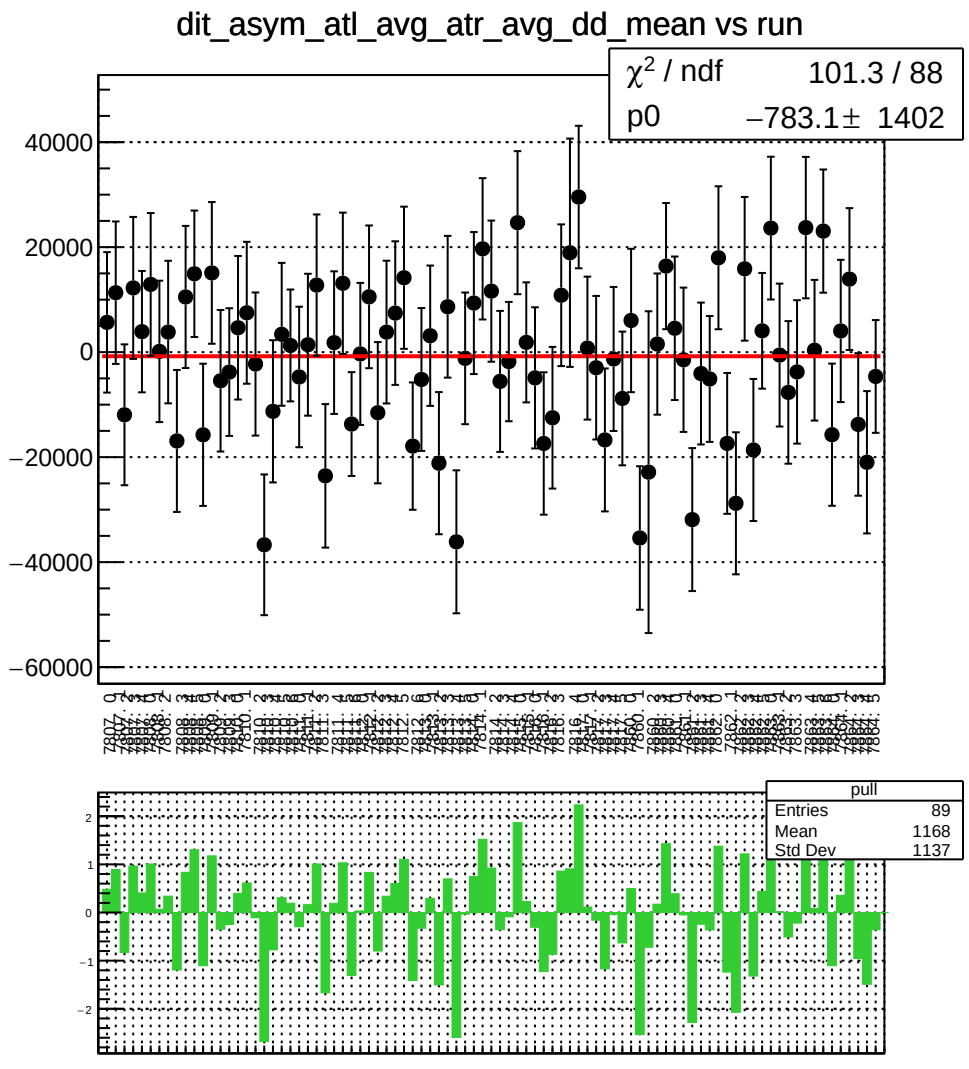

pull1D
Entries 89
Mean 0.02591
Std Dev 0.9135
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

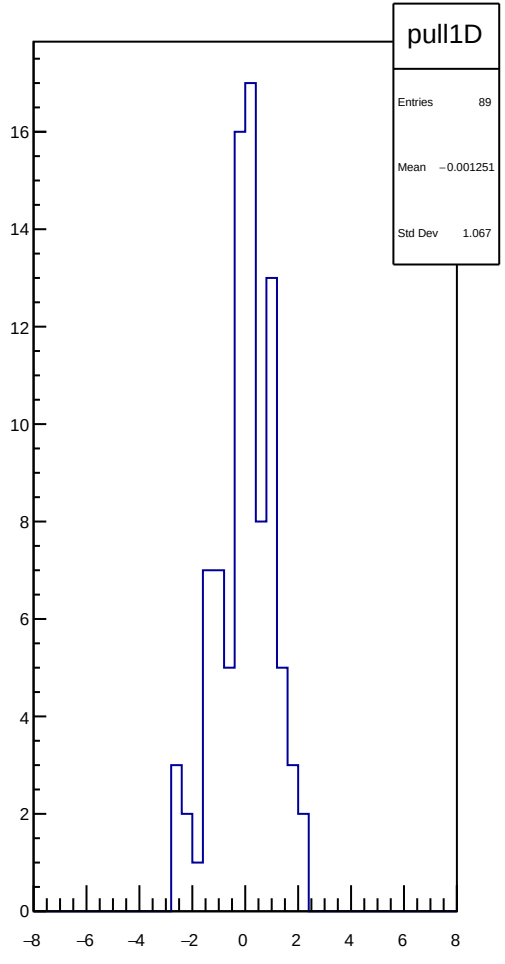

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.189e+04 / 88
p0 6647 ± 5.111
9000
8500
8000
7500
7000
6500
6000
5500

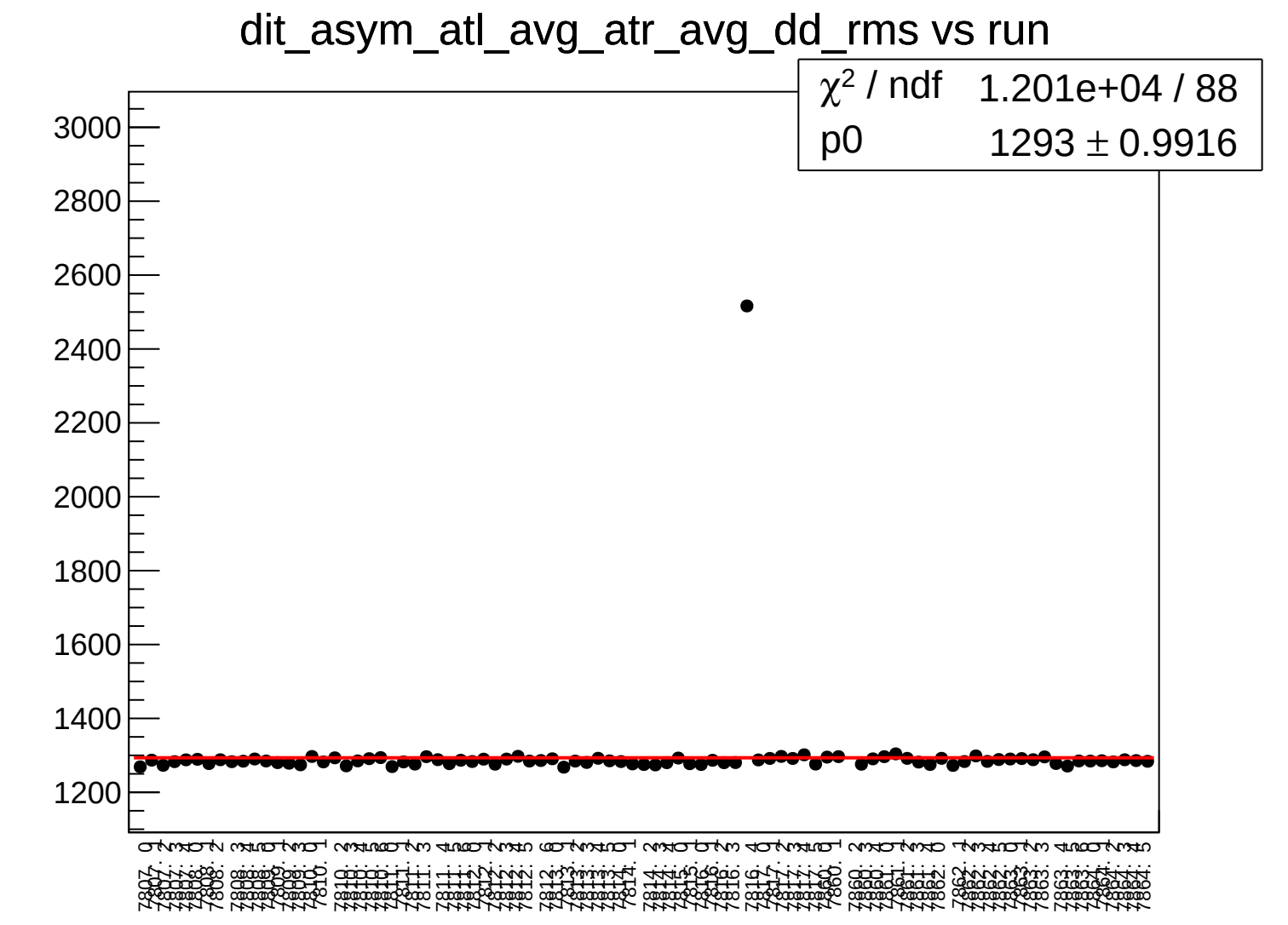

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 71.06 / 88
p0 −1.039e+04 ± 7412
pull
Entries 89
Mean 94.68
Std Dev 34.01

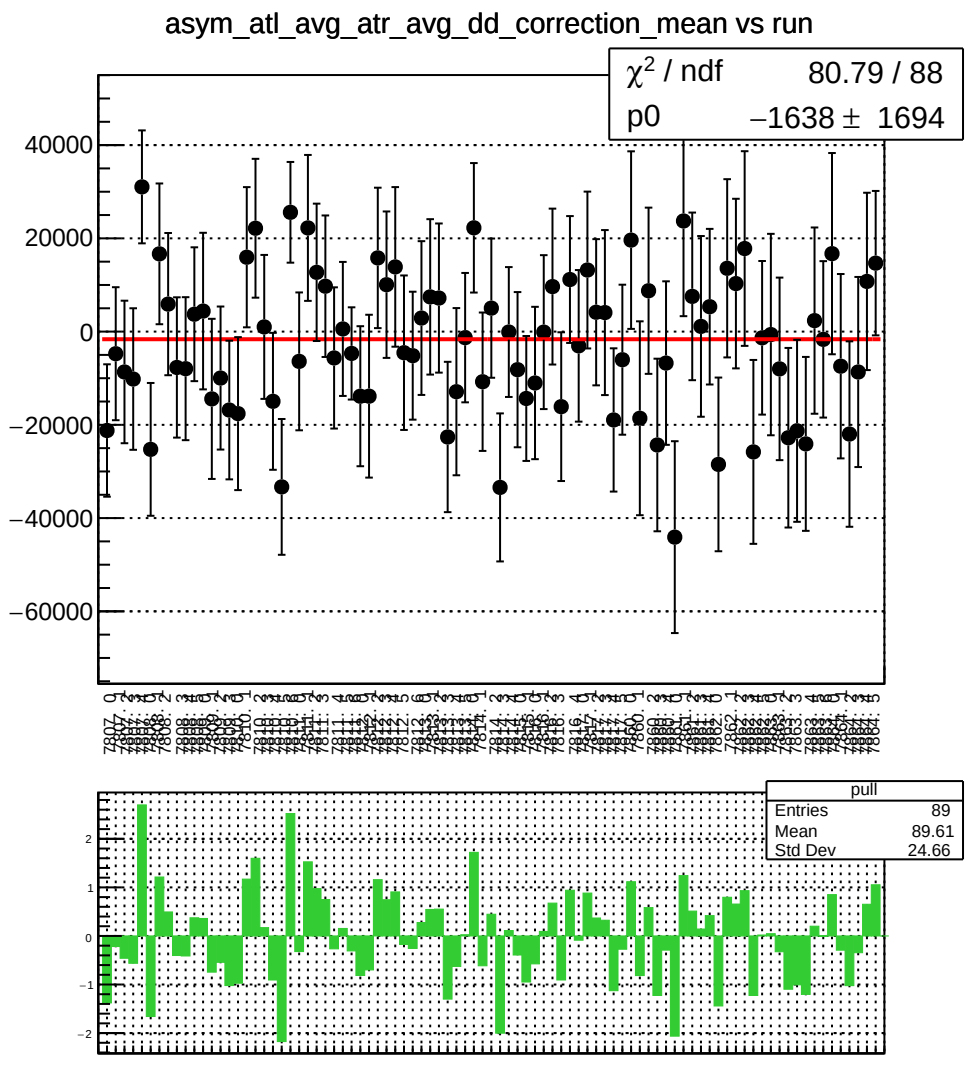

pull1D
Entries 89
Mean −0.02498
Std Dev 0.8932

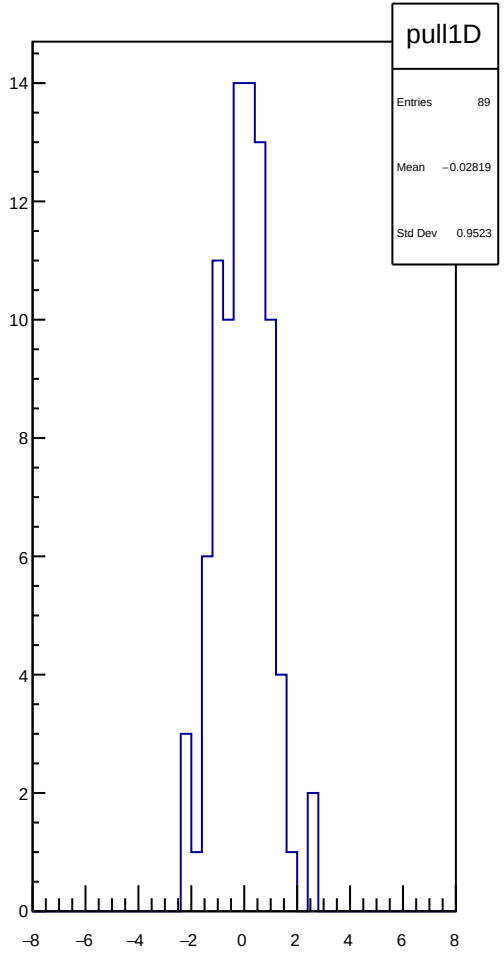

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 2.071e+04 / 88
p0 6819 ± 5.241
9000
8500
8000
7500
7000
6500
6000
5500

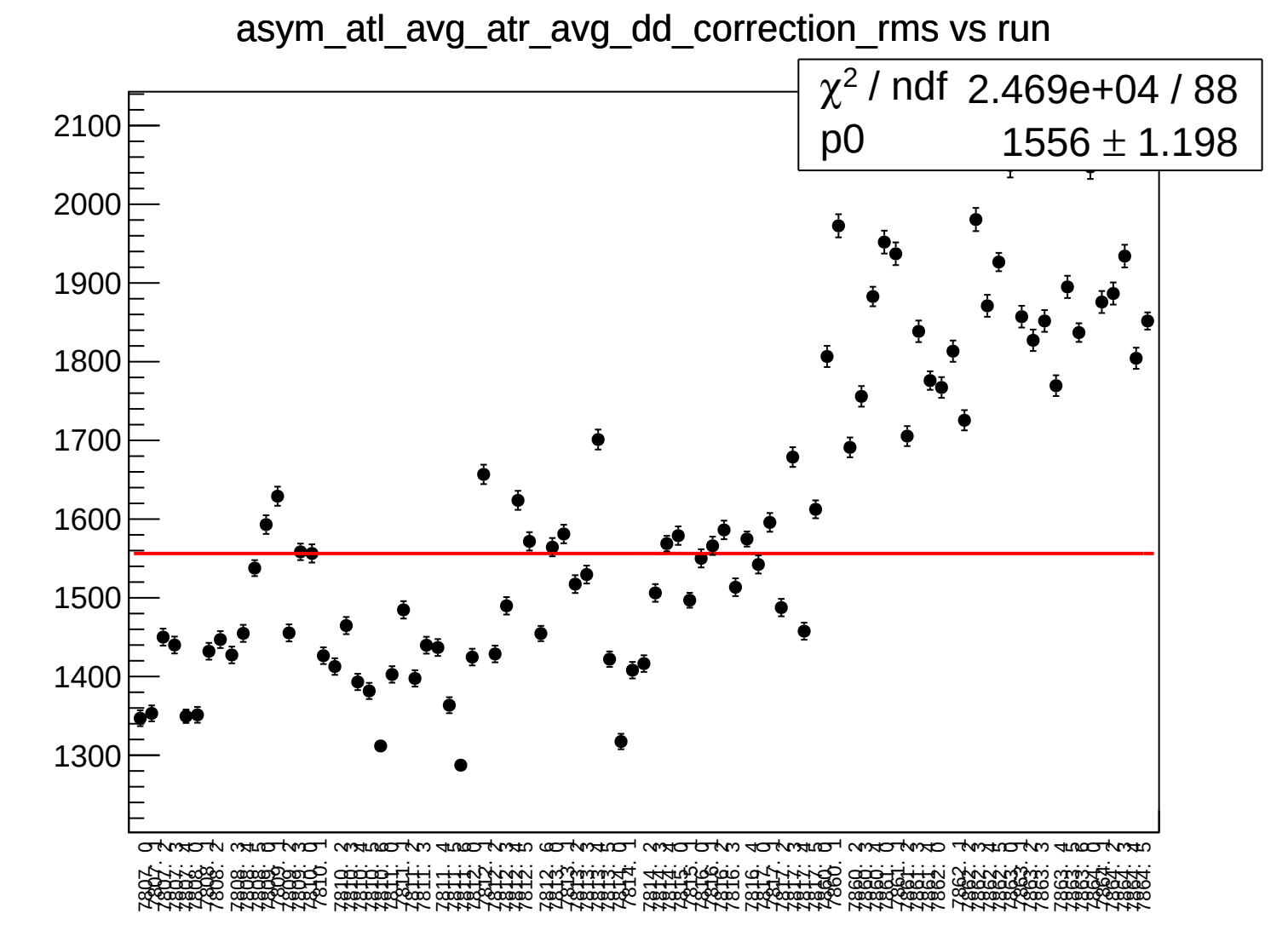

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 101.3 / 88
p0 −783.1± 1402
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 1168
Std Dev 1137
2
1
0
−1
−2

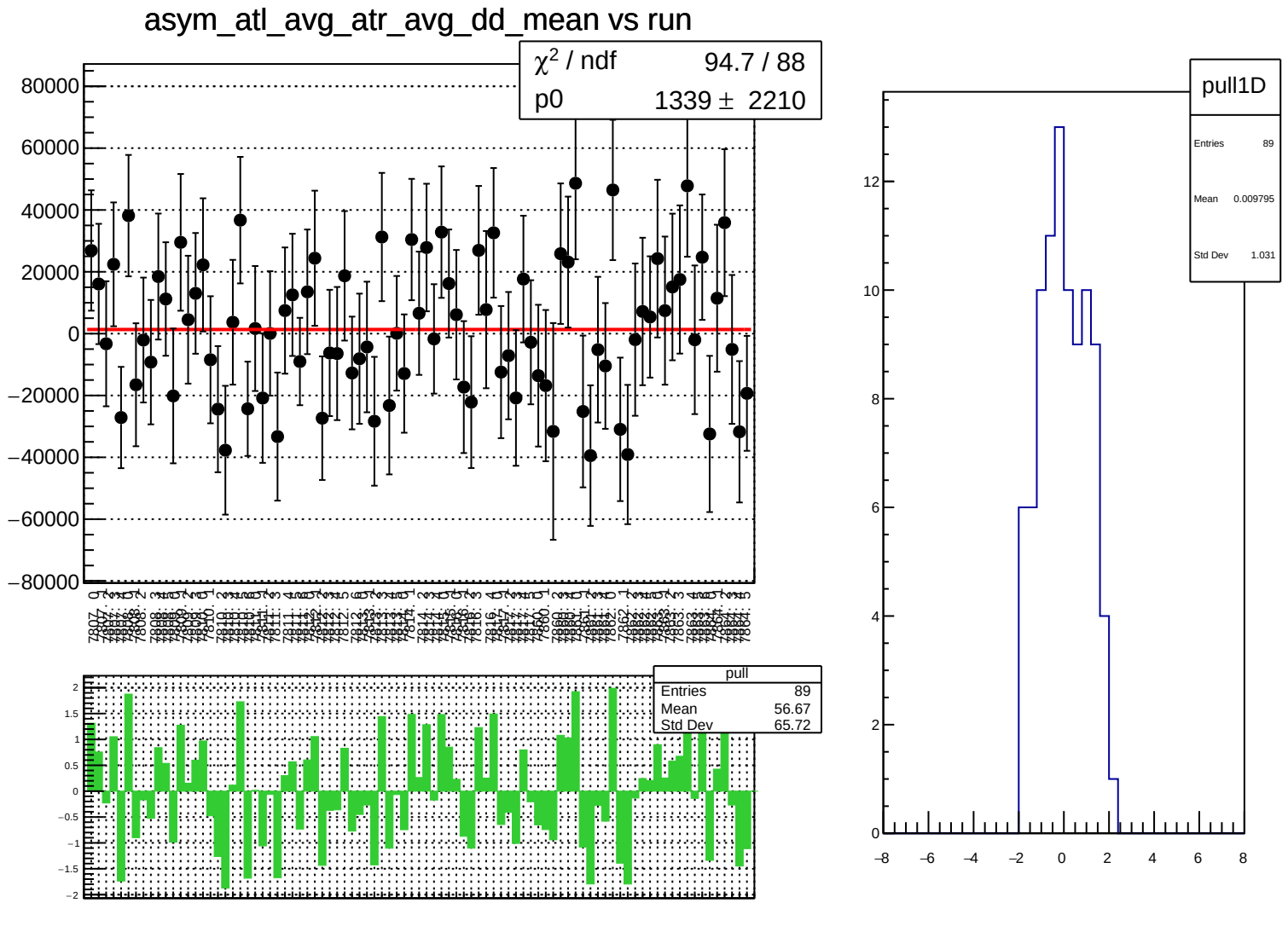

pull1D
Entries 89
Mean −0.001251
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

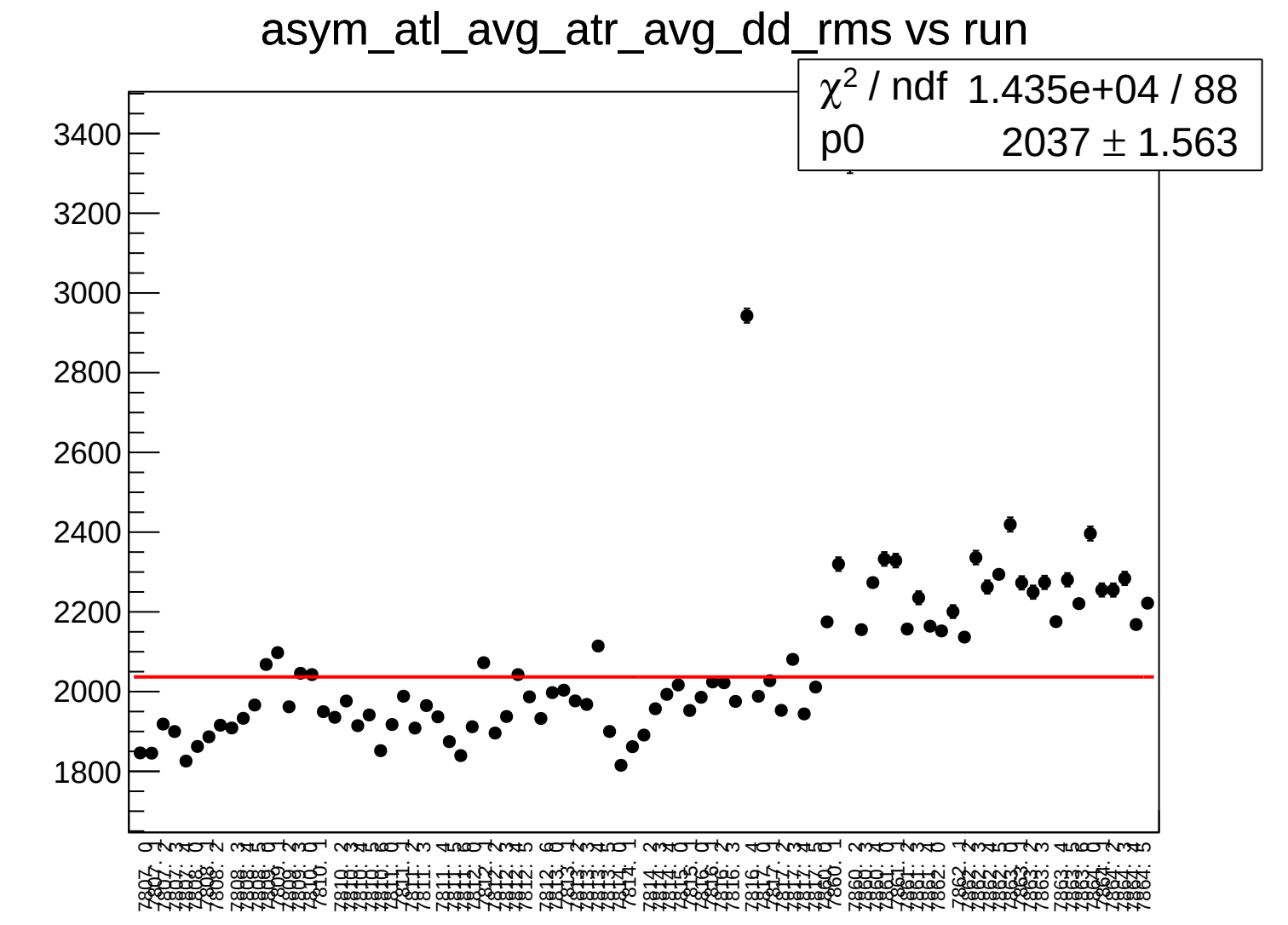

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.201e+04 / 88
p0 1293 ± 0.9916
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

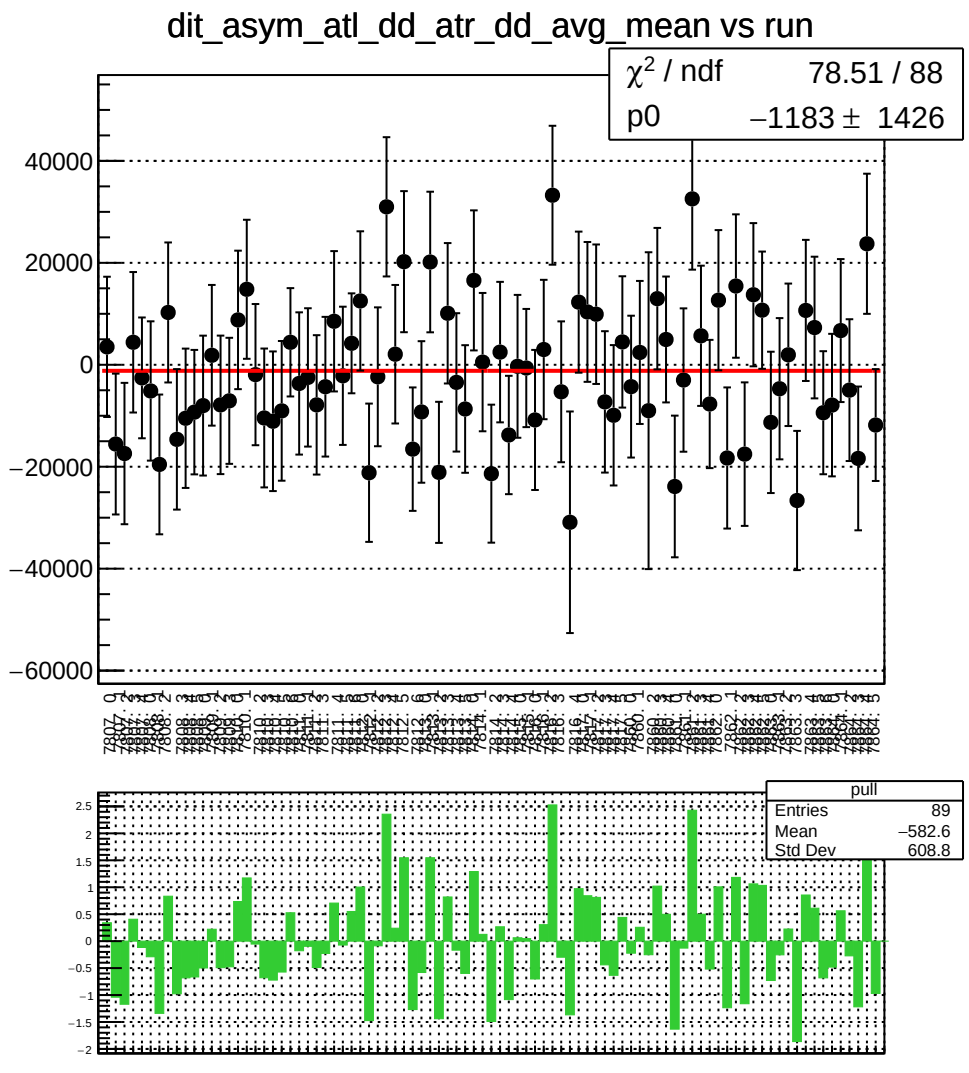

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 80.79 / 88
p0 −1638 ± 1694
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 89.61
Std Dev 24.66
2
1
0
−1
−2

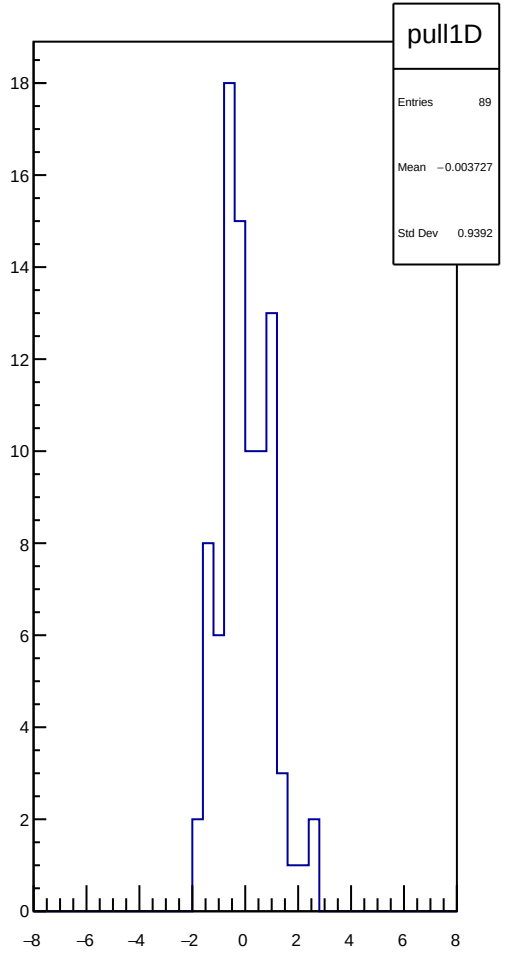

pull1D
Entries 89
Mean −0.02819
Std Dev 0.9523
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

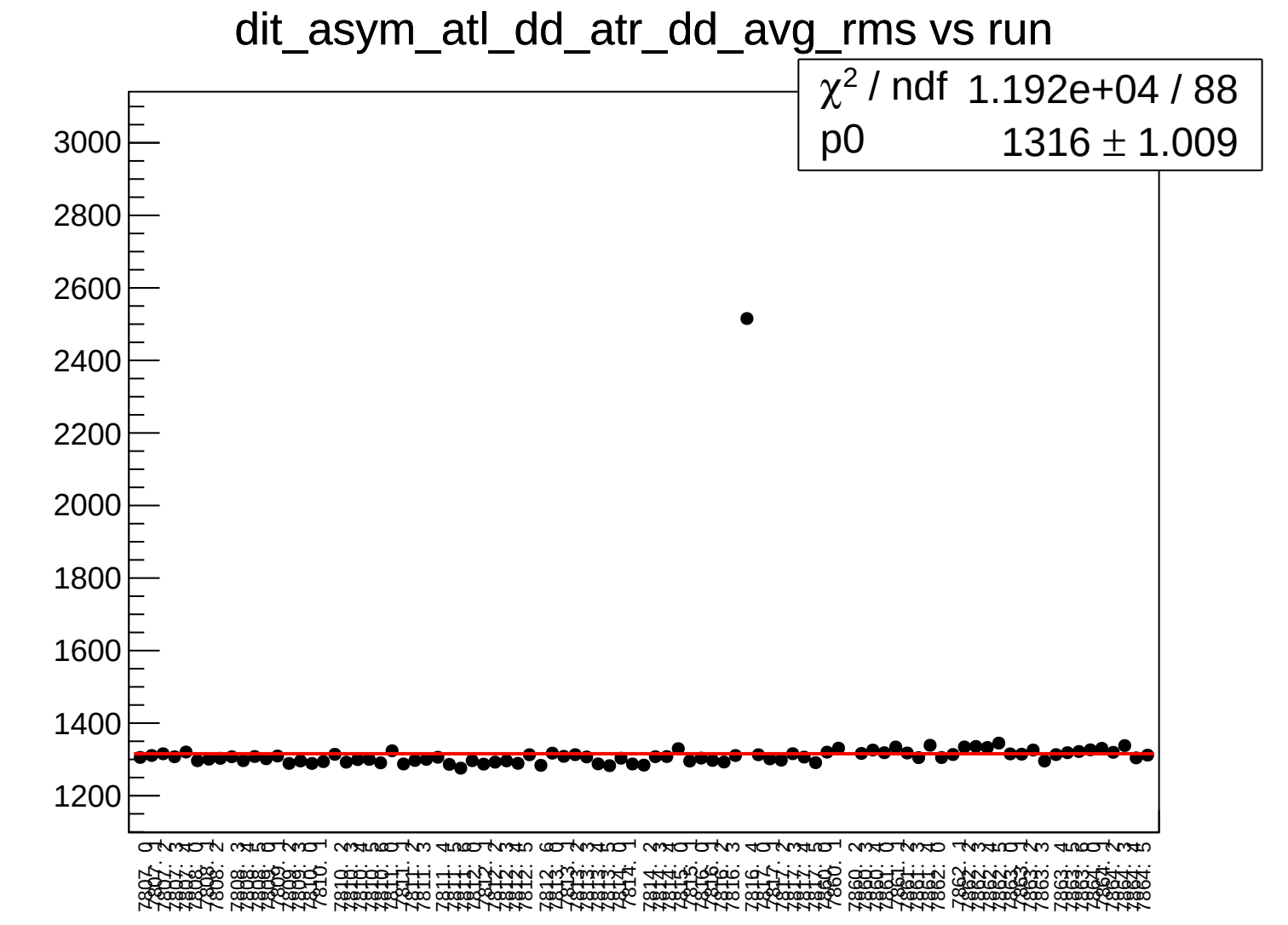

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.469e+04 / 88
p0 1556 ± 1.198
2100
2000
1900
1800
1700
1600
1500
1400
1300

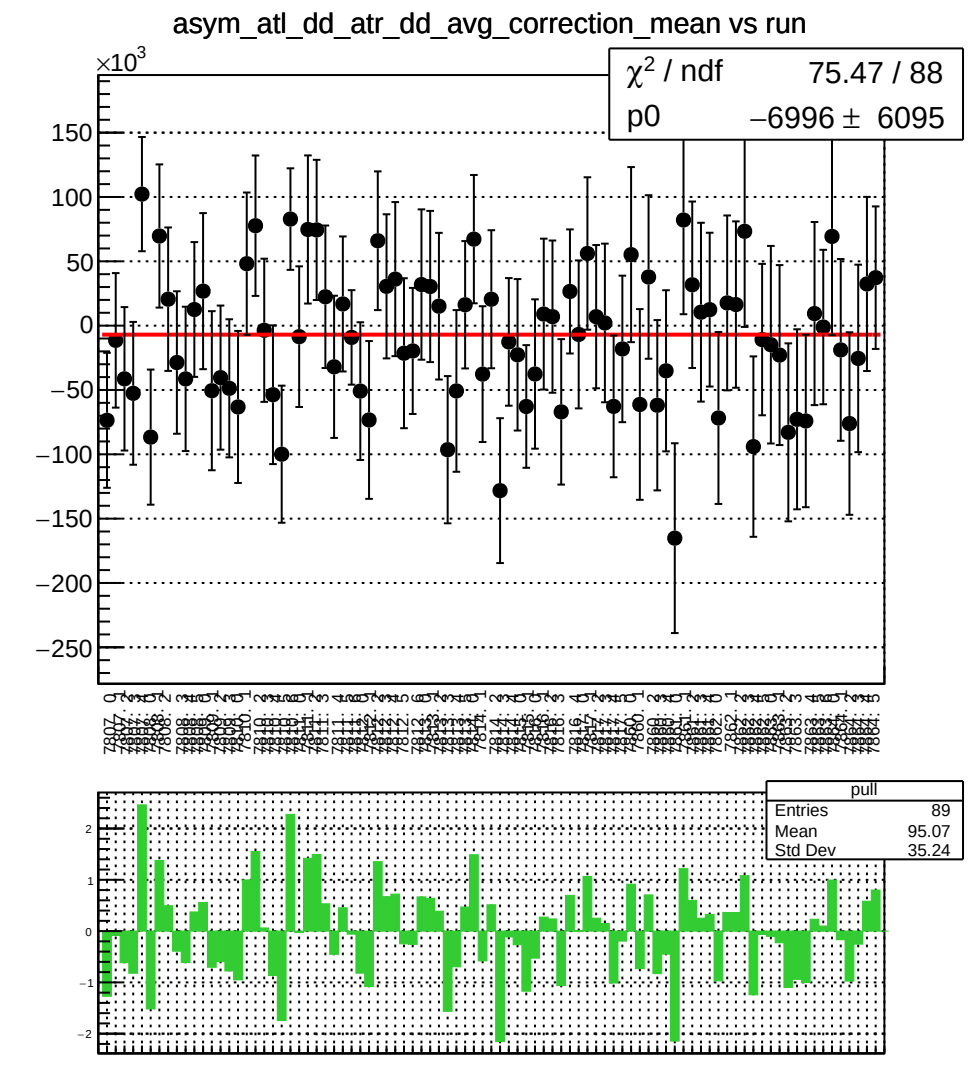

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 94.7 / 88
p0 1339 ± 2210
pull
Entries 89
Mean 56.67
Std Dev 65.72
pull1D
Entries 89
Mean 0.009795
Std Dev 1.031

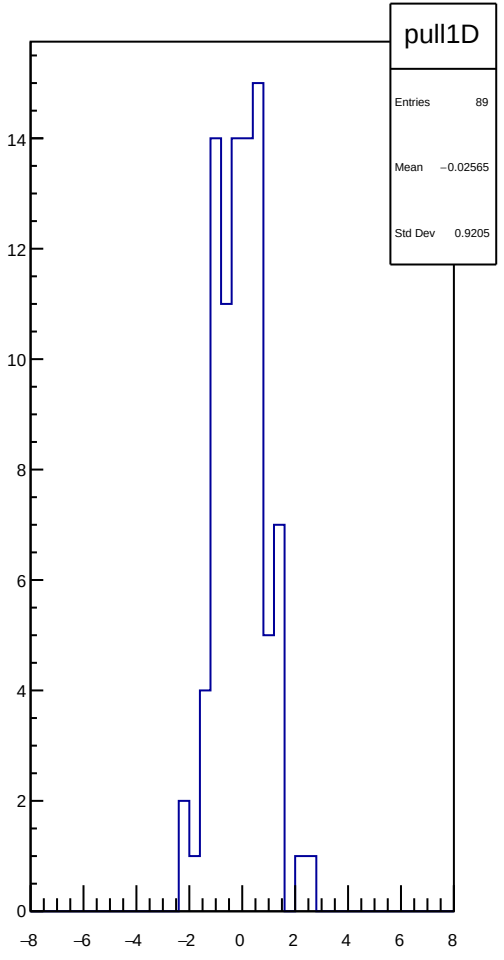

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.435e+04 / 88
p0 2037 ± 1.563
3400
3200
3000
2800
2600
2400
2200
2000
1800

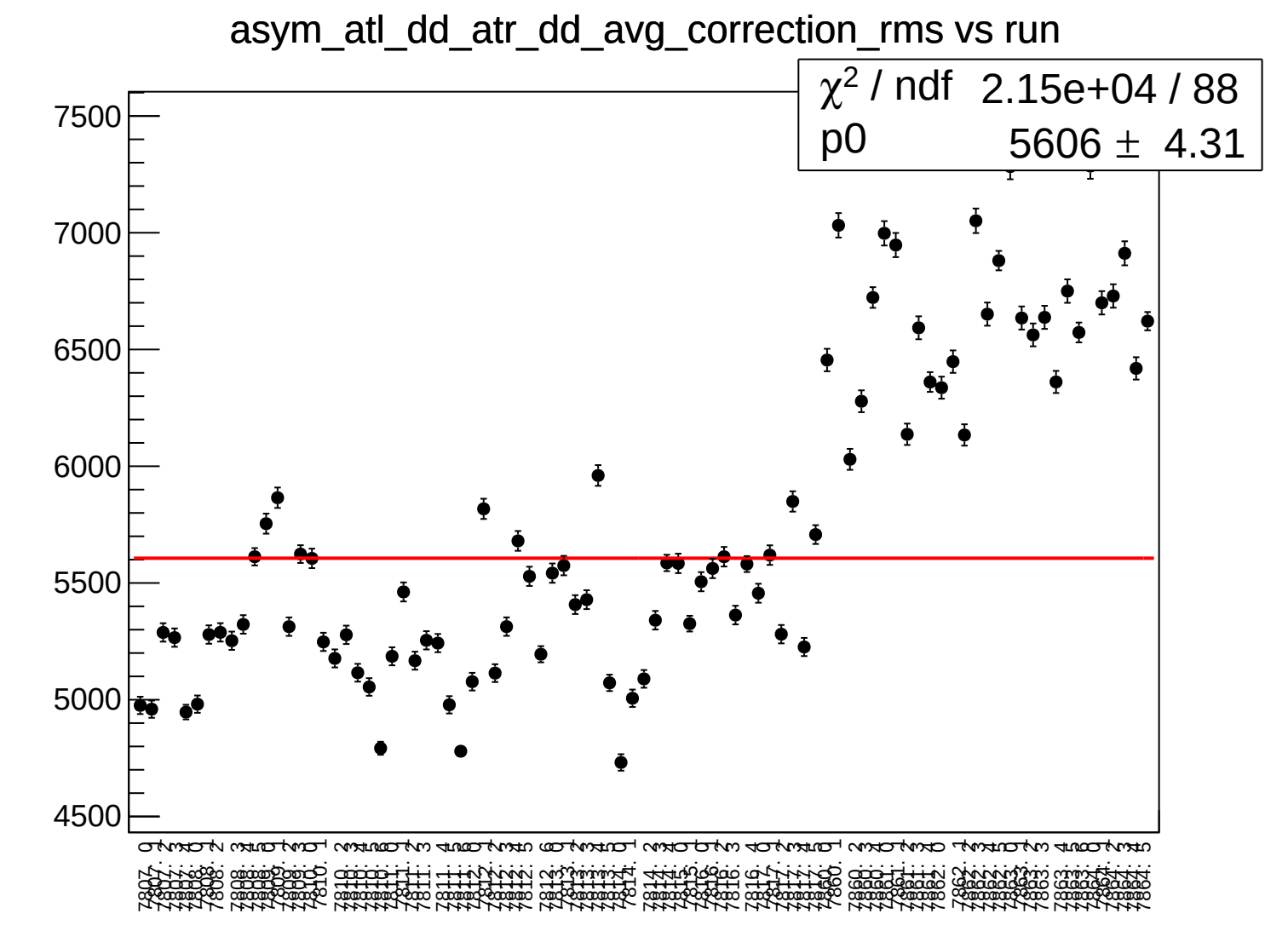

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 78.51 / 88
p0 −1183 ± 1426
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −582.6
Std Dev 608.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

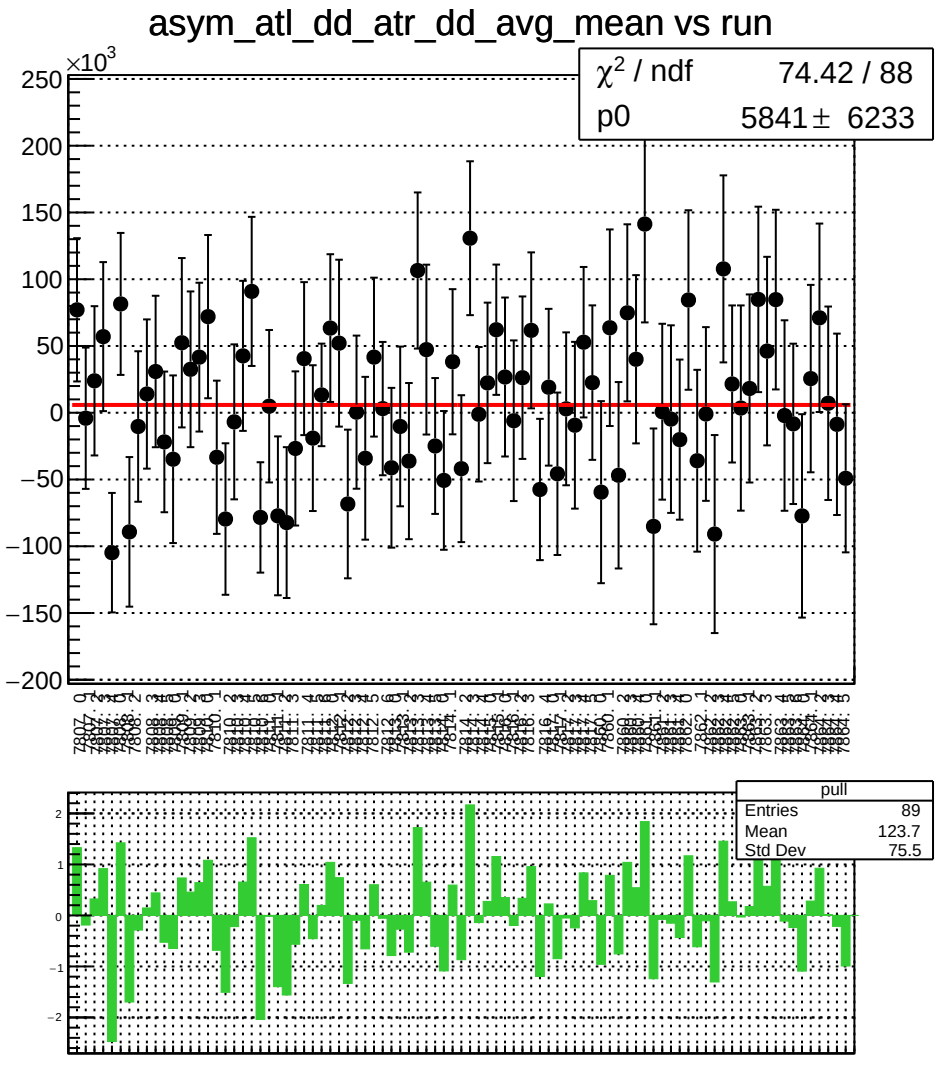

pull1D
Entries 89
Mean −0.003727
Std Dev 0.9392
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

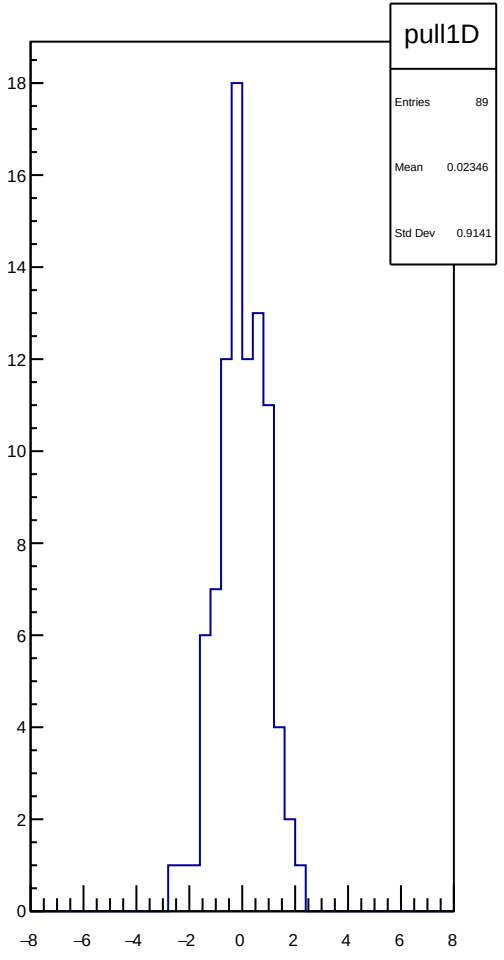

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.192e+04 / 88
p0 1316 ± 1.009
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

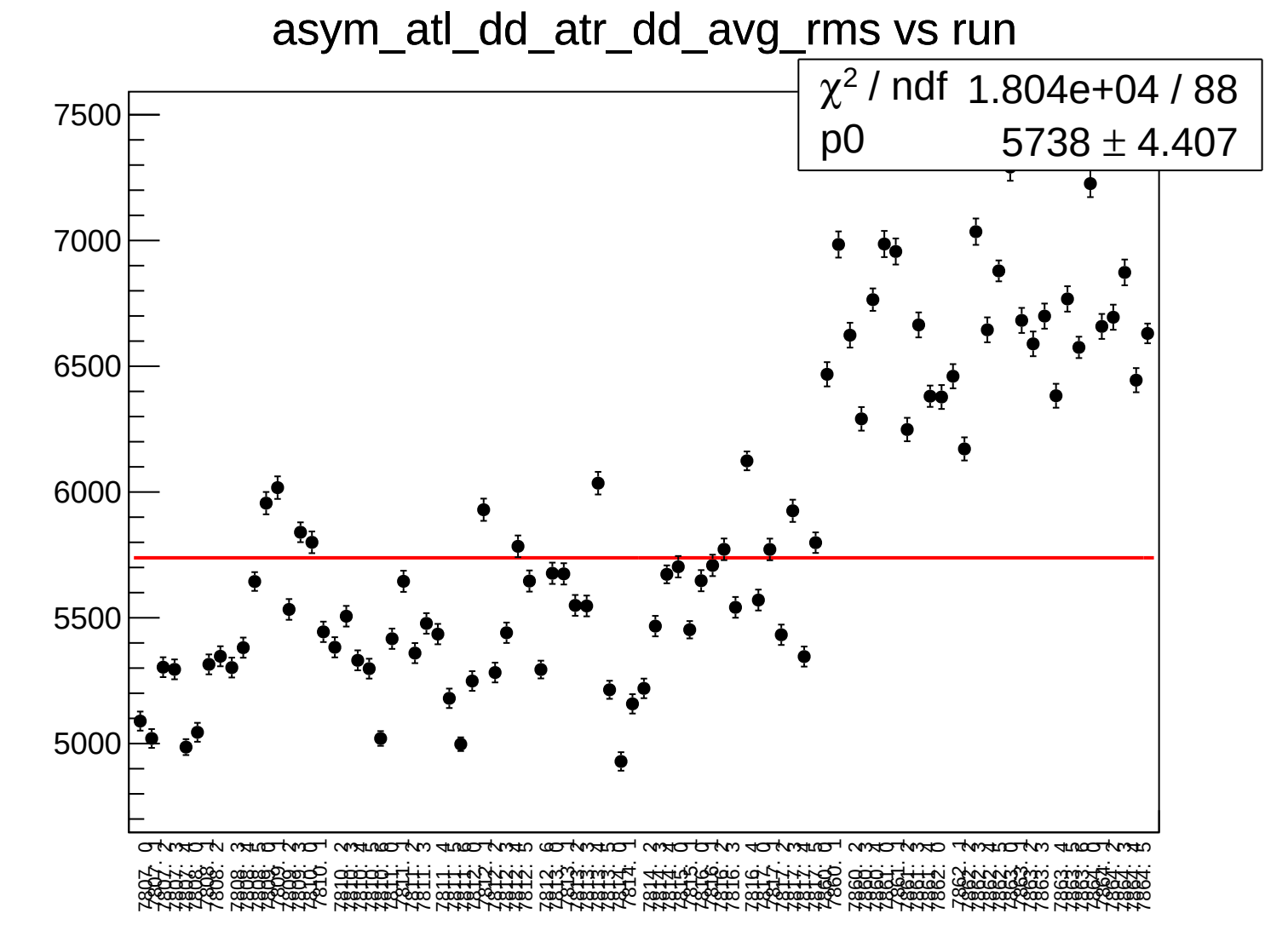

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 75.47 / 88
p0 −6996 ± 6095
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 89
Mean 95.07
Std Dev 35.24
2
1
0
−1
−2

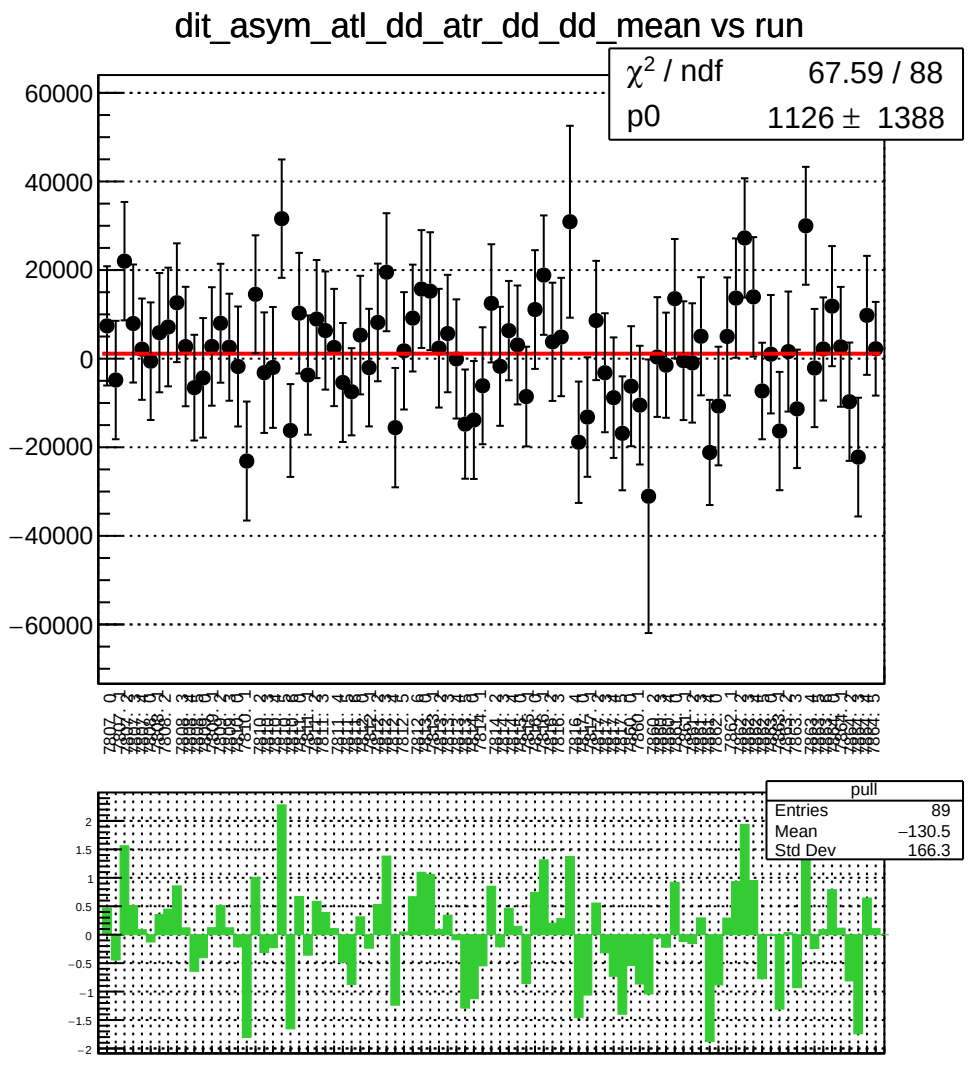

pull1D
Entries 89
Mean −0.02565
Std Dev 0.9205
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

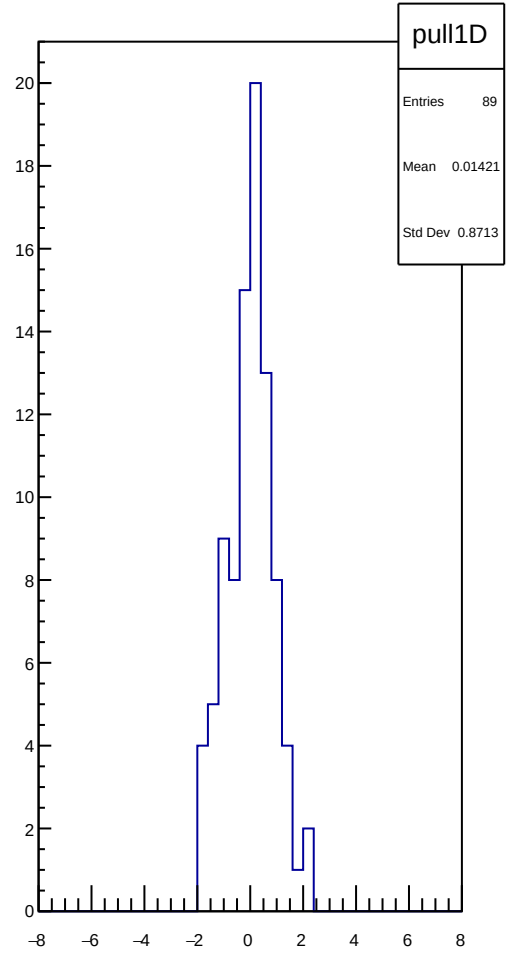

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2.15e+04 / 88
p0 5606 ± 4.31
7500
7000
6500
6000
5500
5000
4500

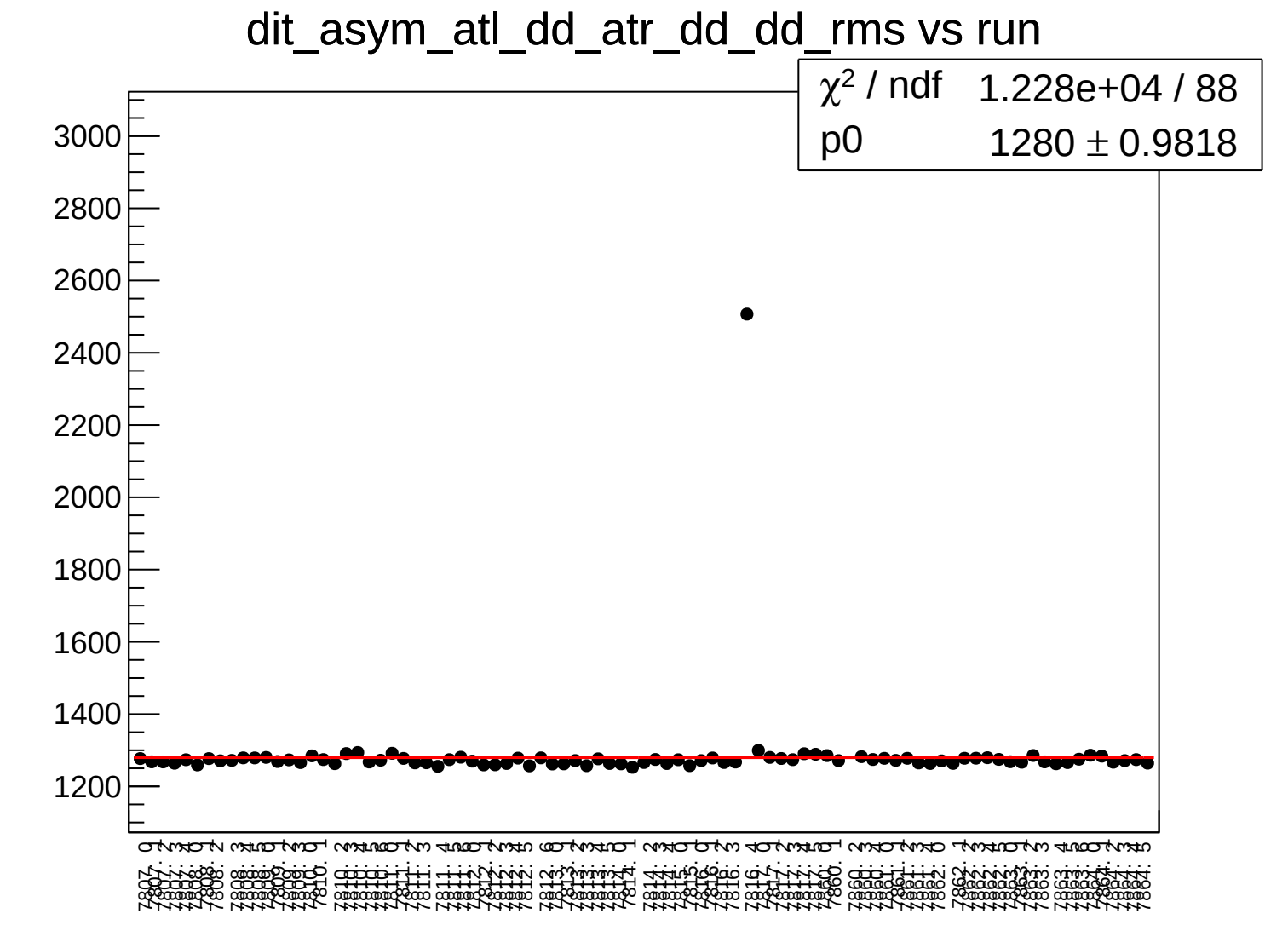

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 74.42 / 88
p0 5841 ± 6233
×10³
pull
Entries 89
Mean 123.7
Std Dev 75.5

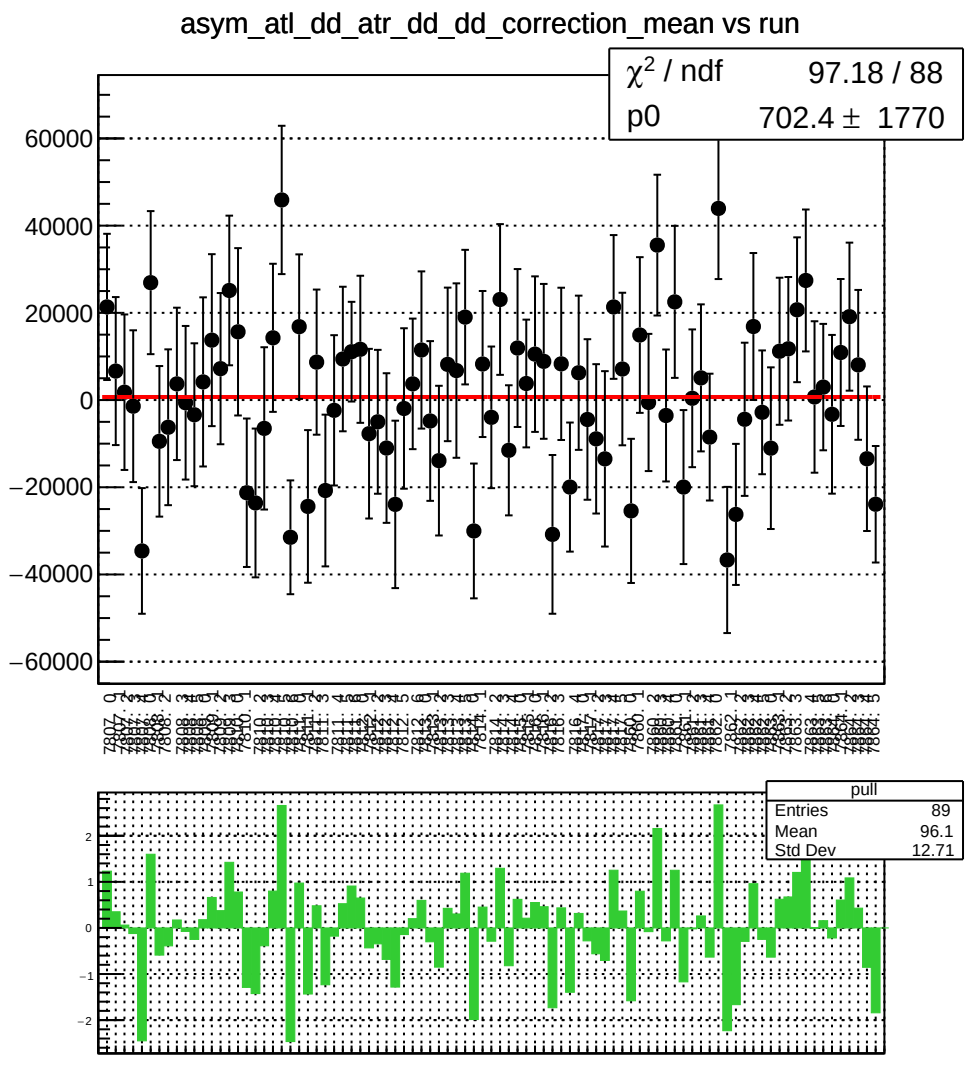

pull1D
Entries 89
Mean 0.02346
Std Dev 0.9141

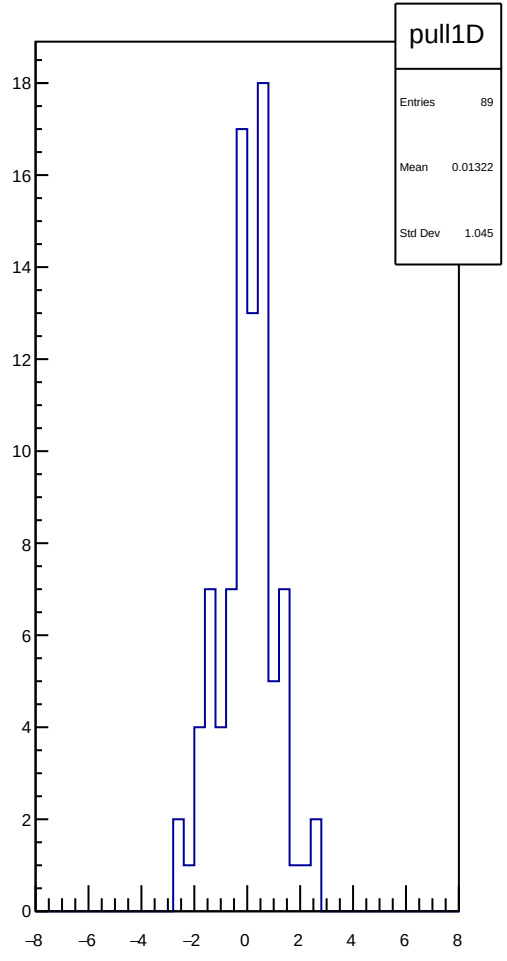

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.804e+04 / 88
p0 5738 ± 4.407
7500
7000
6500
6000
5500
5000

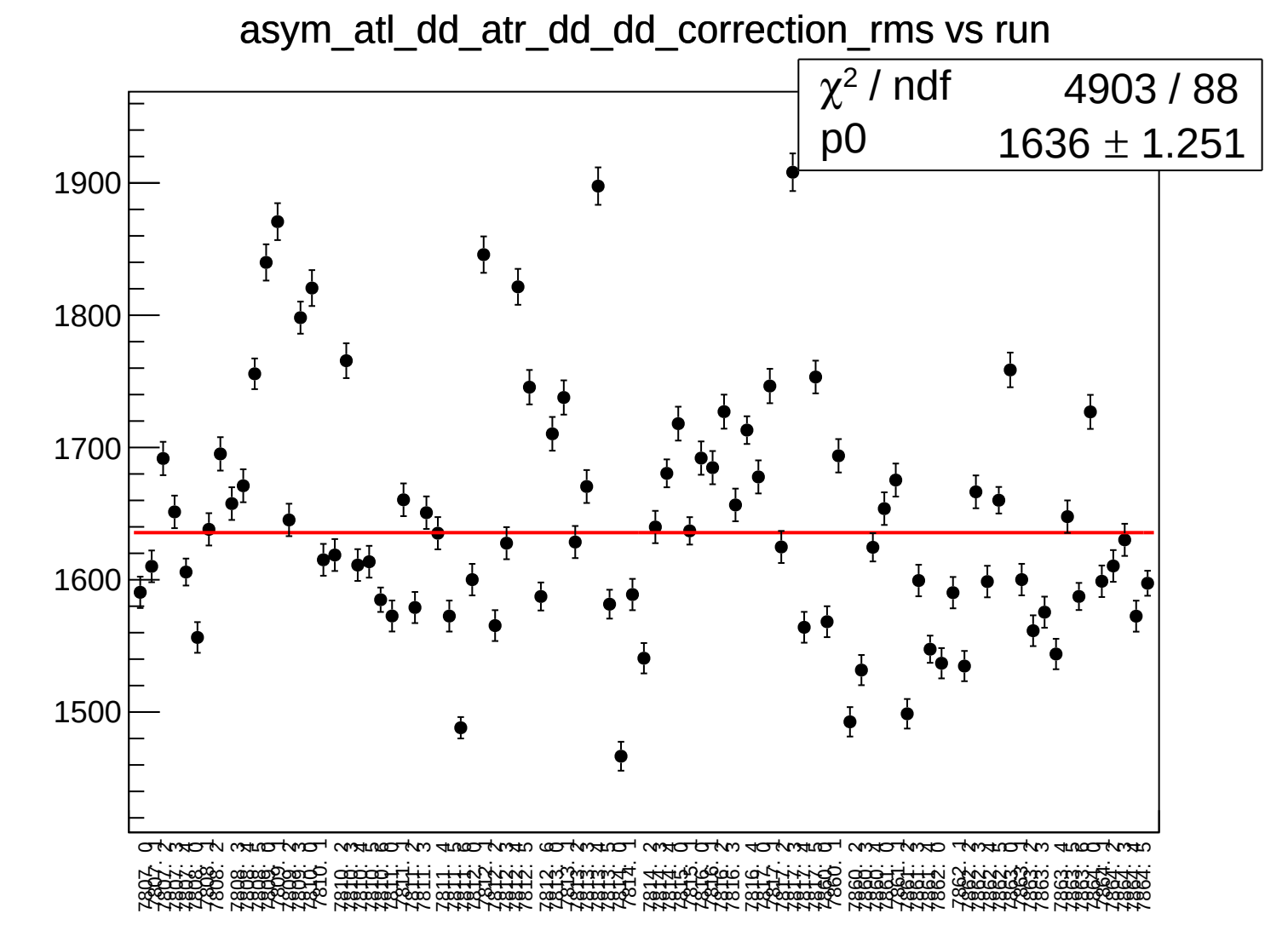

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 67.59 / 88
p0 1126 ± 1388
pull
Entries 89
Mean −130.5
Std Dev 166.3

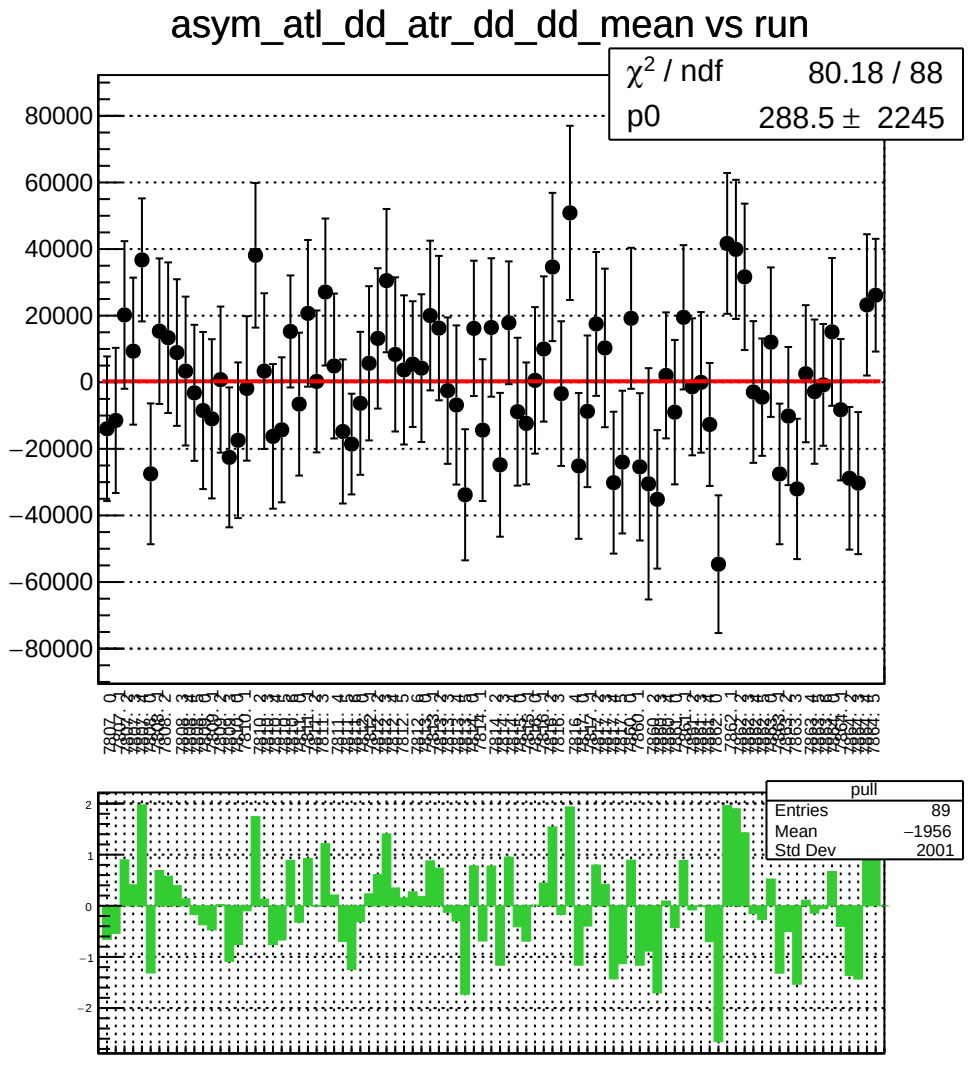

pull1D
Entries 89
Mean 0.01421
Std Dev 0.8713

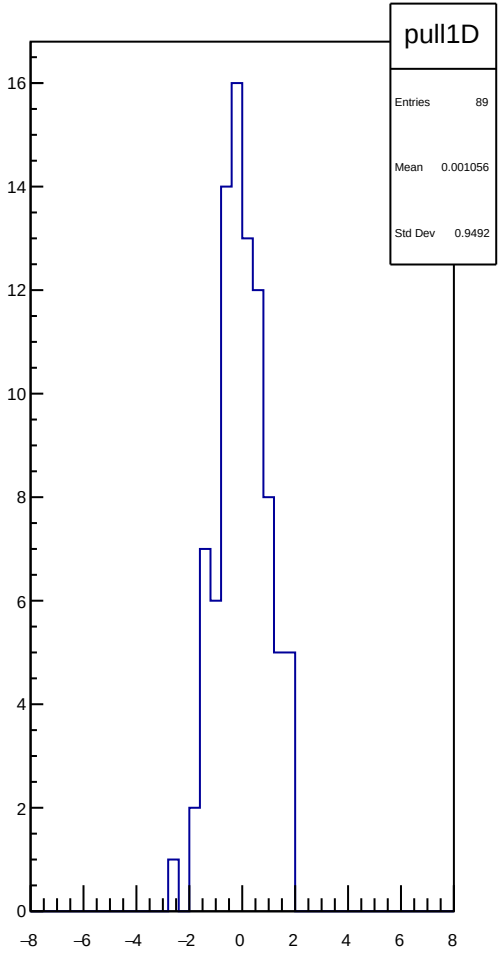

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.228e+04 / 88
p0 1280 ± 0.9818
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

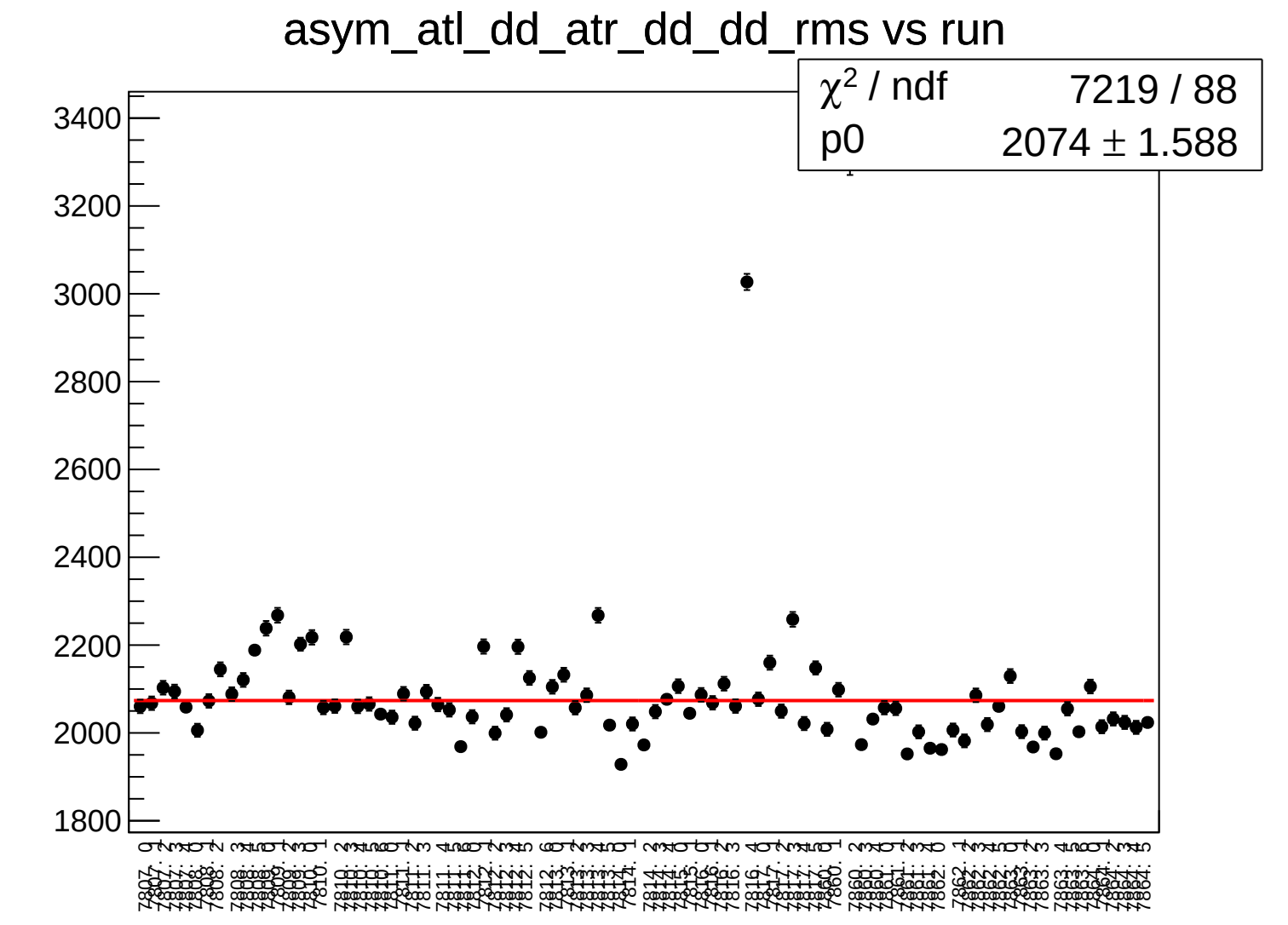

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 97.18 / 88
p0 702.4 ± 1770
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 96.1
Std Dev 12.71
2
1
0
−1
−2

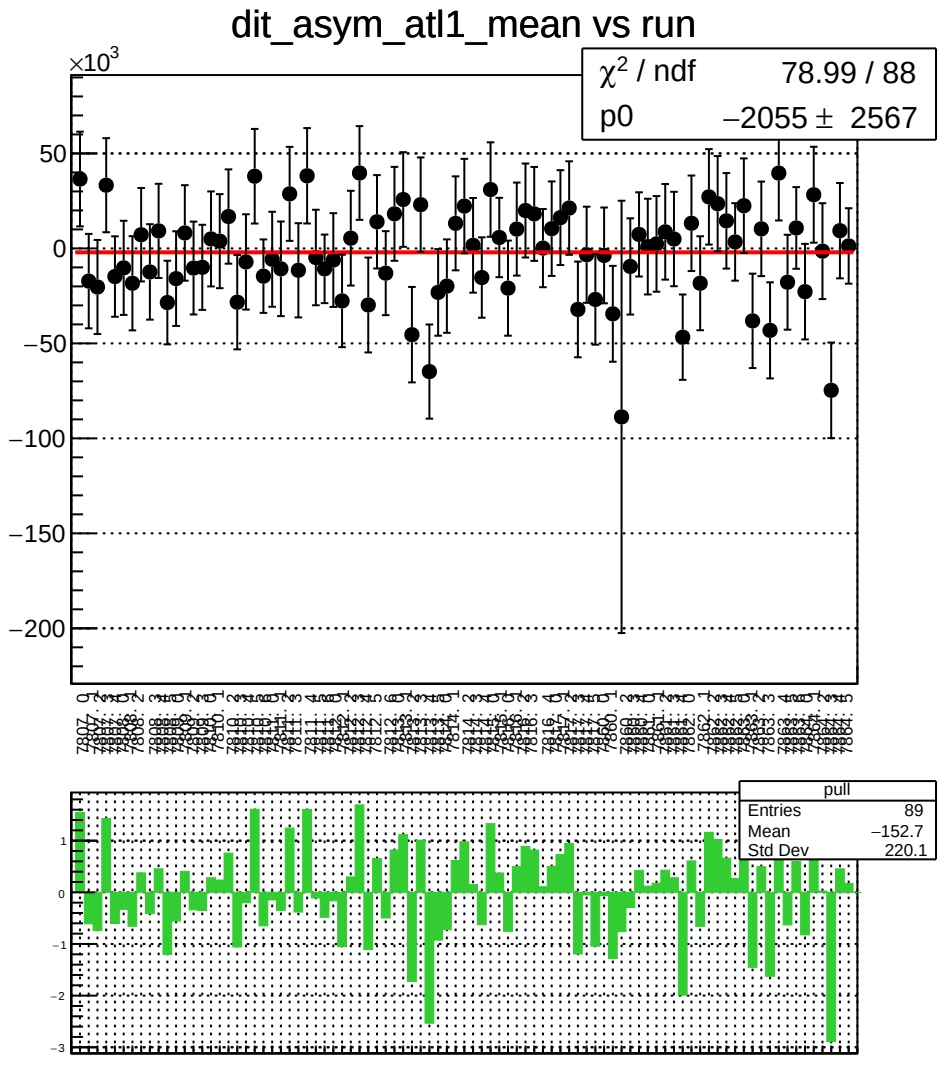

pull1D
Entries 89
Mean 0.01322
Std Dev 1.045
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

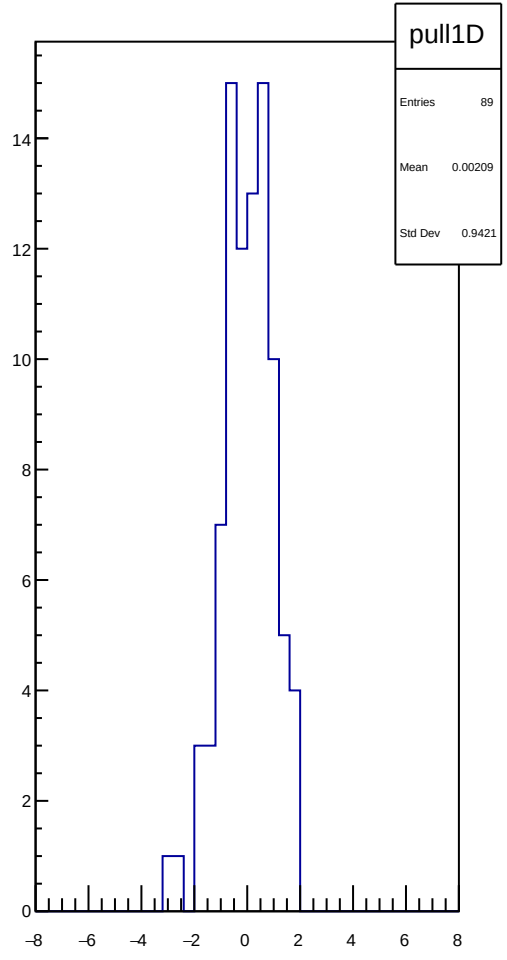

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4903 / 88
p0 1636 ± 1.251
1900
1800
1700
1600
1500

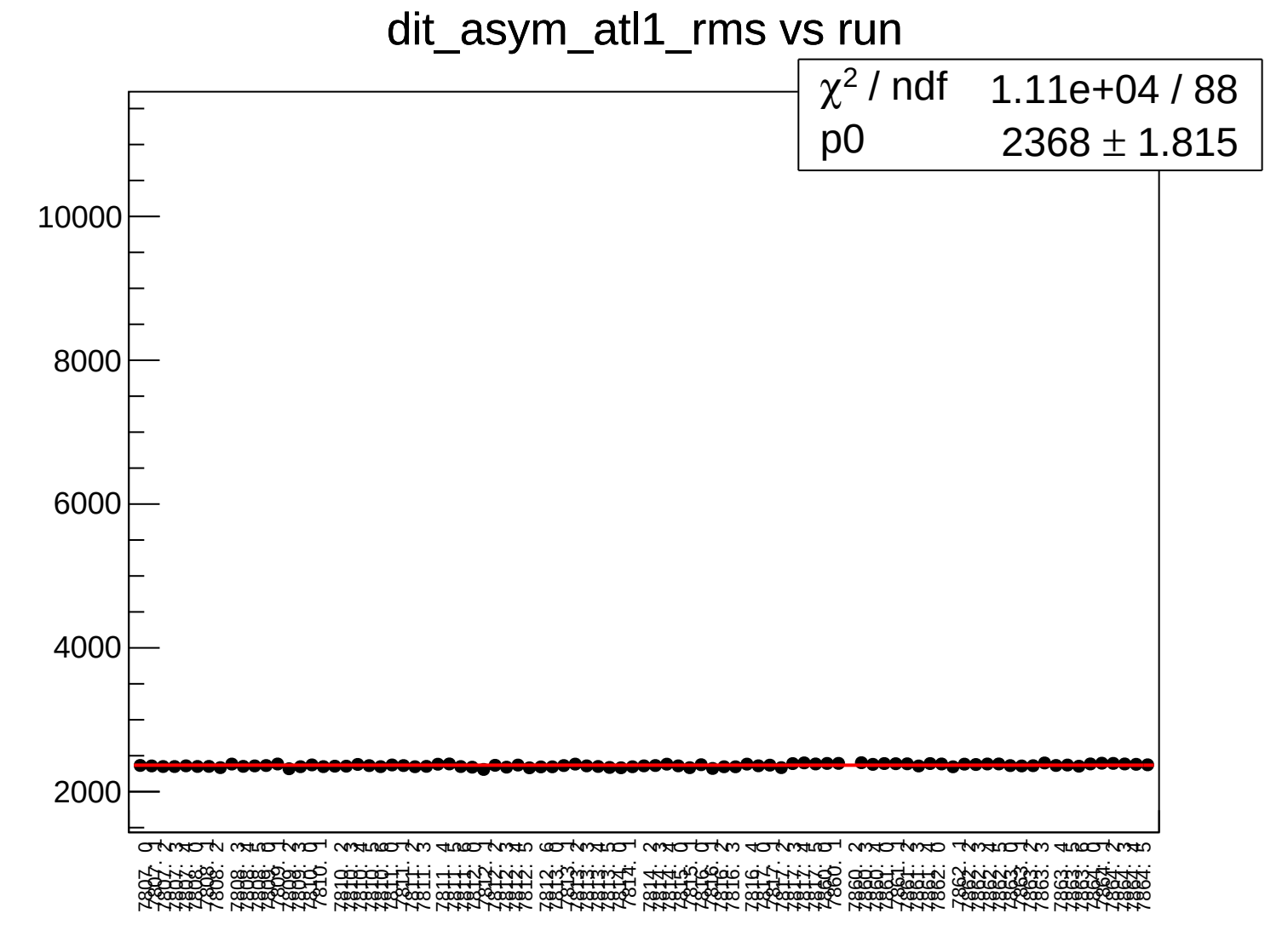

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 80.18 / 88
p0 288.5 ± 2245
pull
Entries 89
Mean −1956
Std Dev 2001

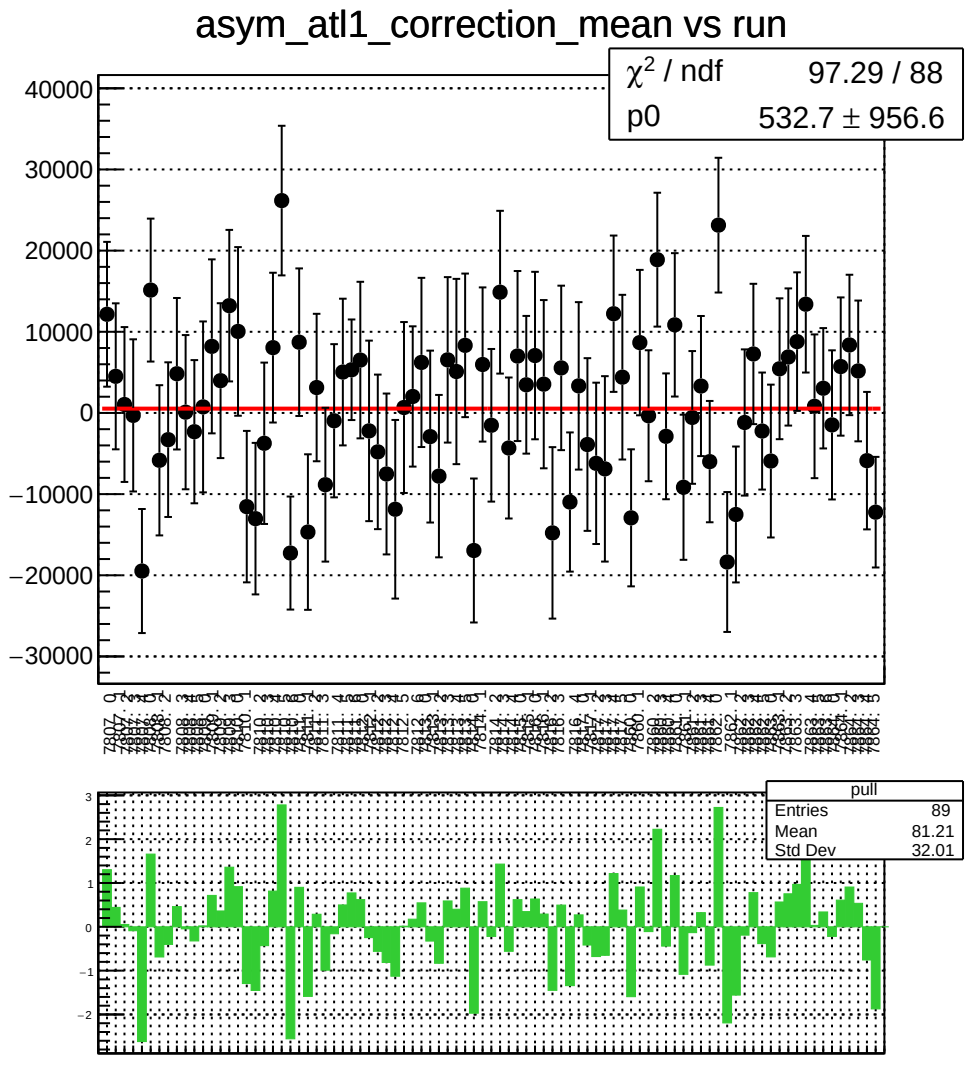

pull1D
Entries 89
Mean 0.001056
Std Dev 0.9492

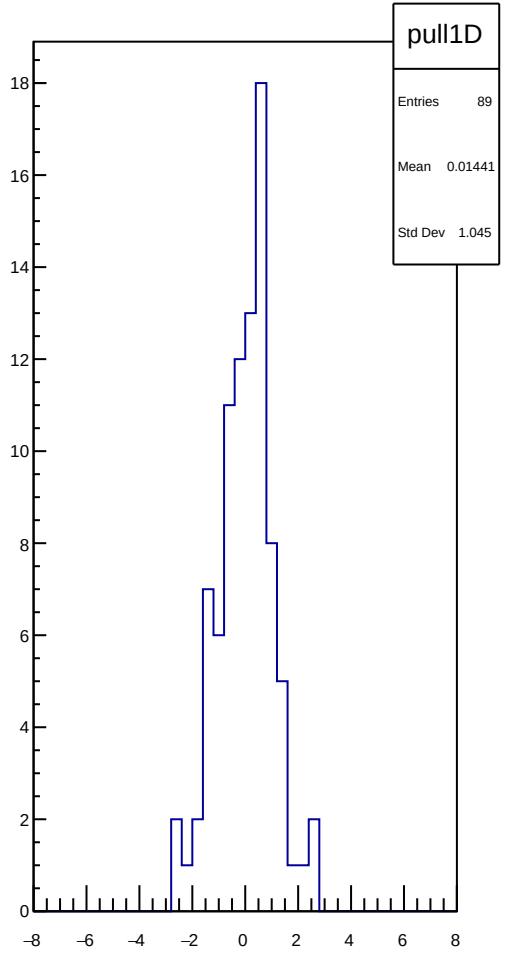

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 7219 / 88
p0 2074 ± 1.588
3400
3200
3000
2800
2600
2400
2200
2000
1800

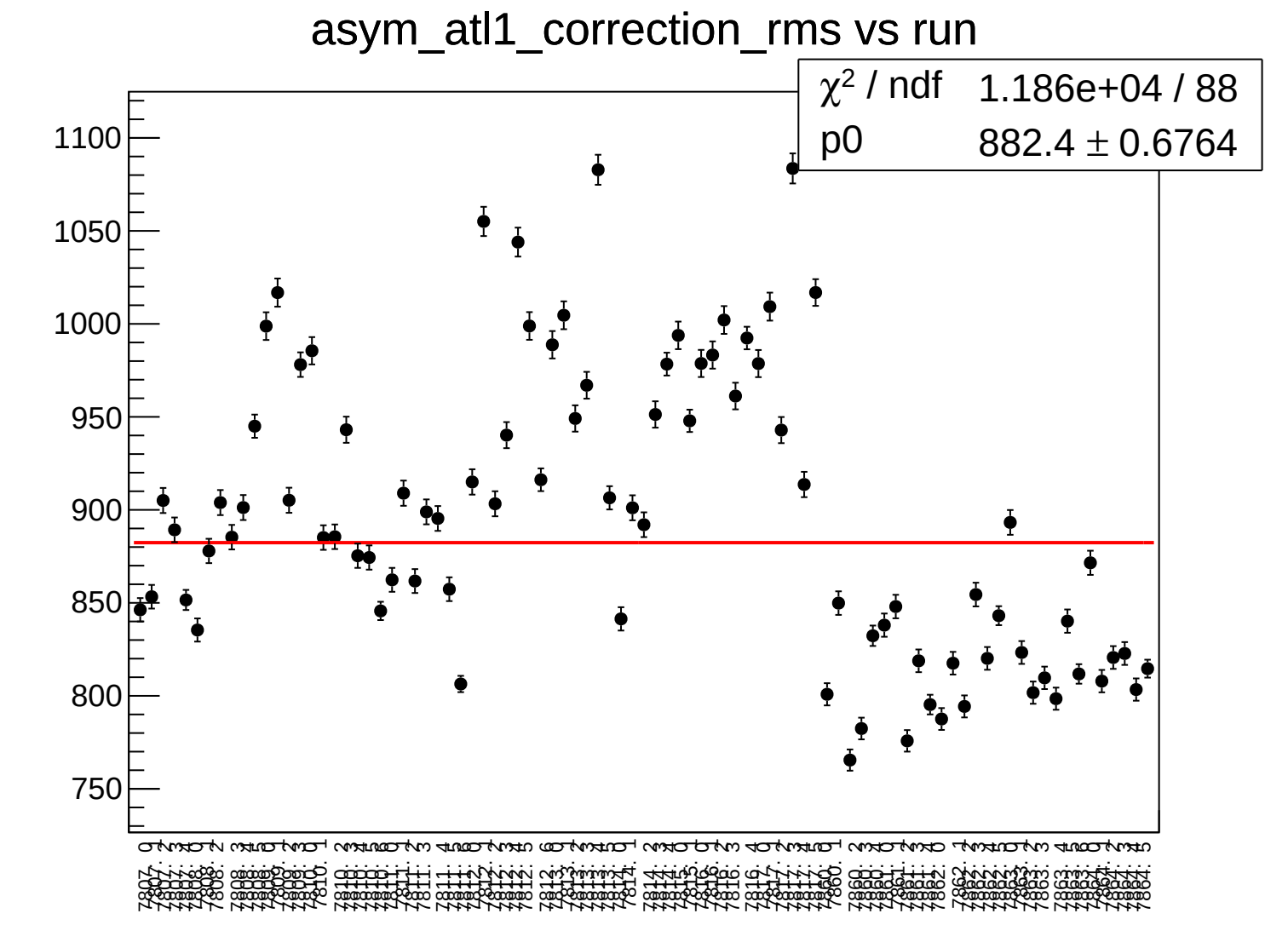

dit_asym_atl1_mean vs run
χ^2 / ndf 78.99 / 88
p0 −2055 ± 2567
×10^3
50
0
−50
−100
−150
−200
pull
Entries 89
Mean −152.7
Std Dev 220.1
1
0
−1
−2
−3

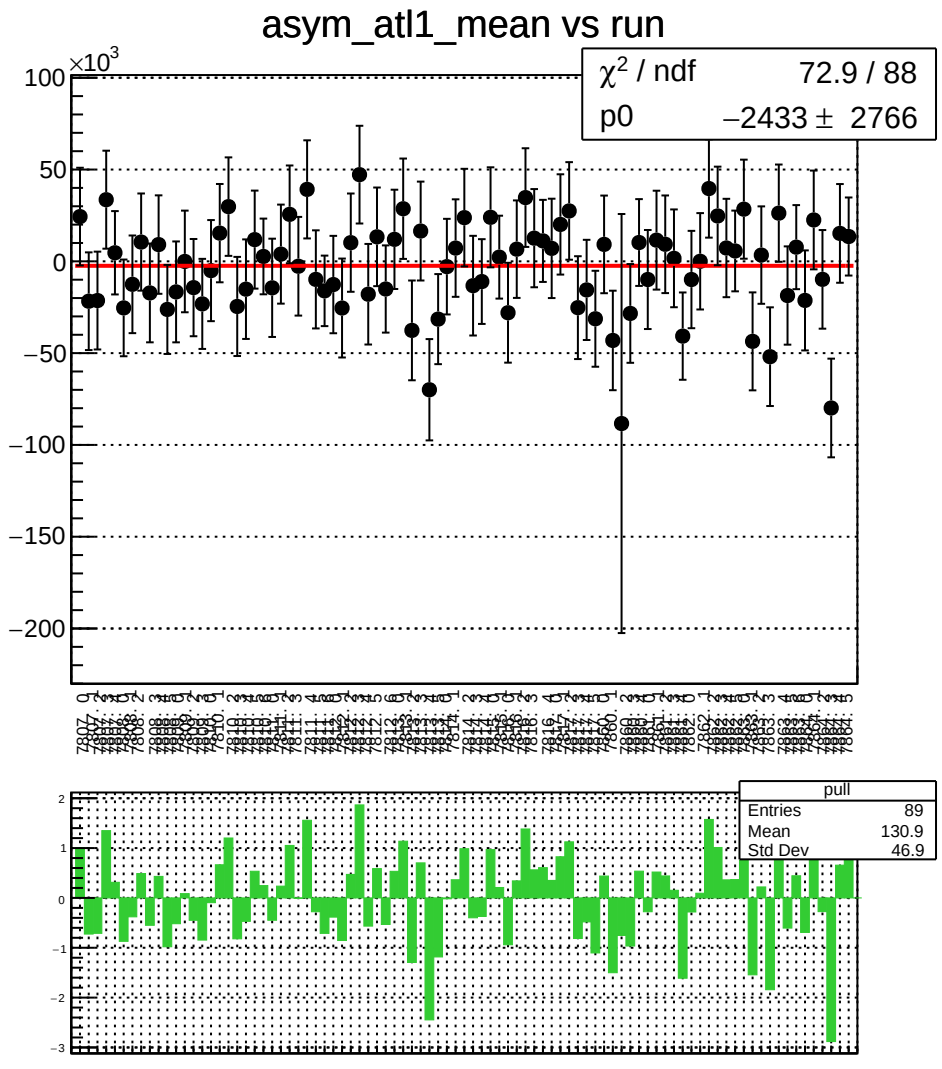

pull1D
Entries 89
Mean 0.00209
Std Dev 0.9421
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

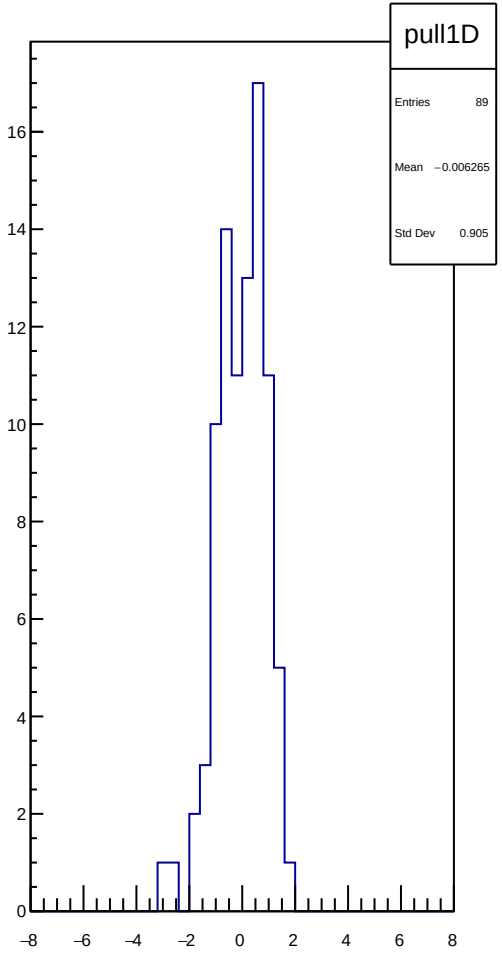

dit_asym_atl1_rms vs run
χ² / ndf 1.11e+04 / 88
p0 2368 ± 1.815
10000
8000
6000
4000
2000

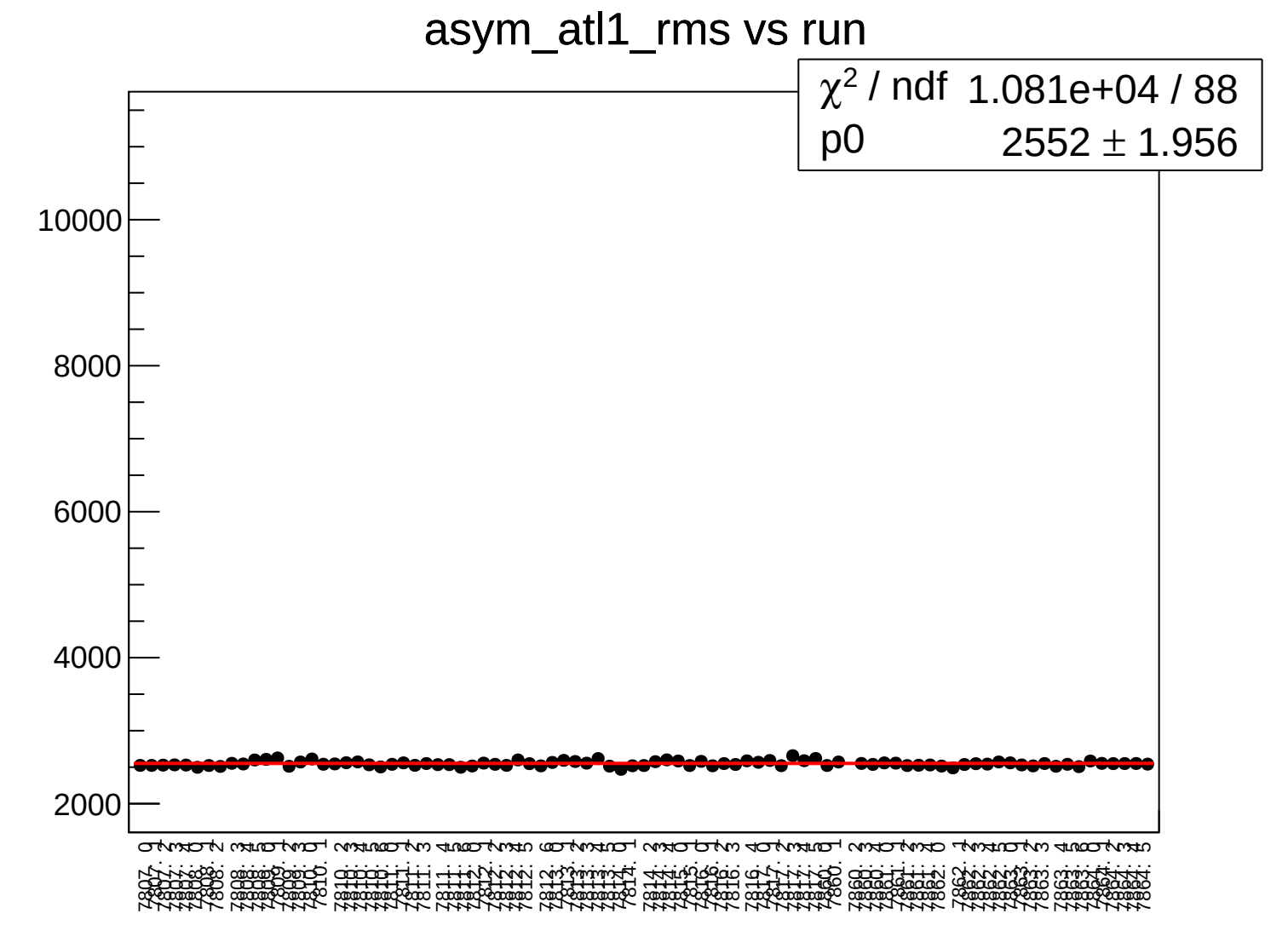

asym_atl1_correction_mean vs run
χ² / ndf 97.29 / 88
p0 532.7 ± 956.6
pull
Entries 89
Mean 81.21
Std Dev 32.01

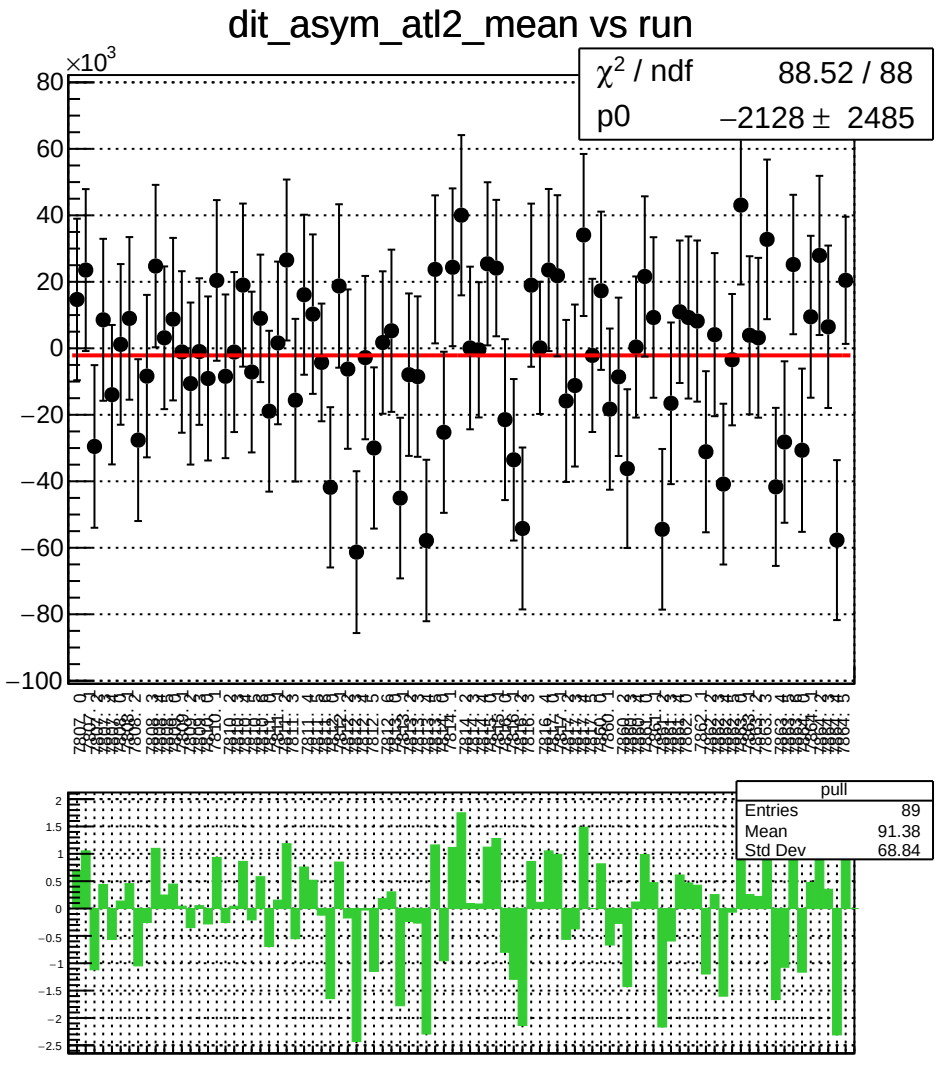

pull1D
Entries 89
Mean 0.01441
Std Dev 1.045

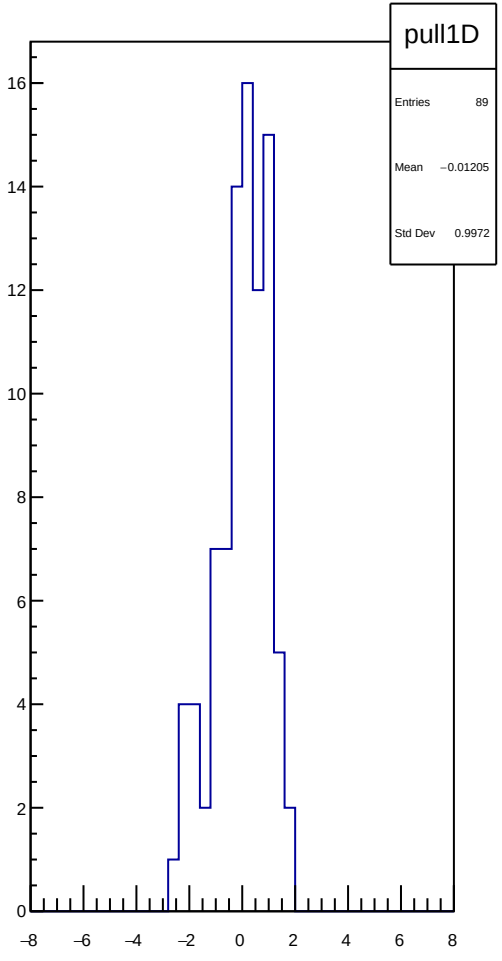

asym_atl1_correction_rms vs run
χ² / ndf 1.186e+04 / 88
p0 882.4 ± 0.6764
1100
1050
1000
950
900
850
800
750

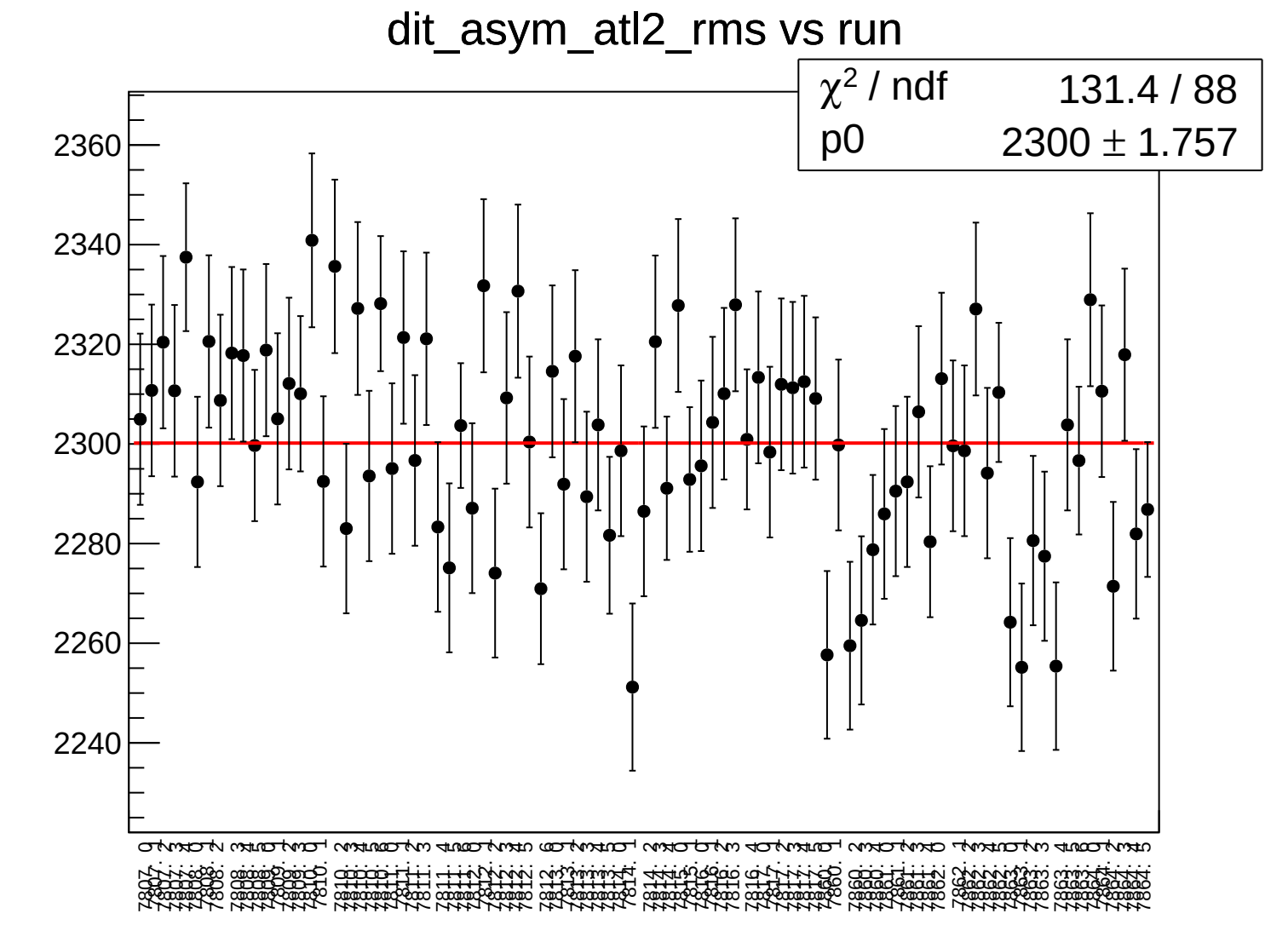

asym_atl1_mean vs run
×10^3
χ² / ndf 72.9 / 88
p0 −2433 ± 2766
pull
Entries 89
Mean 130.9
Std Dev 46.9

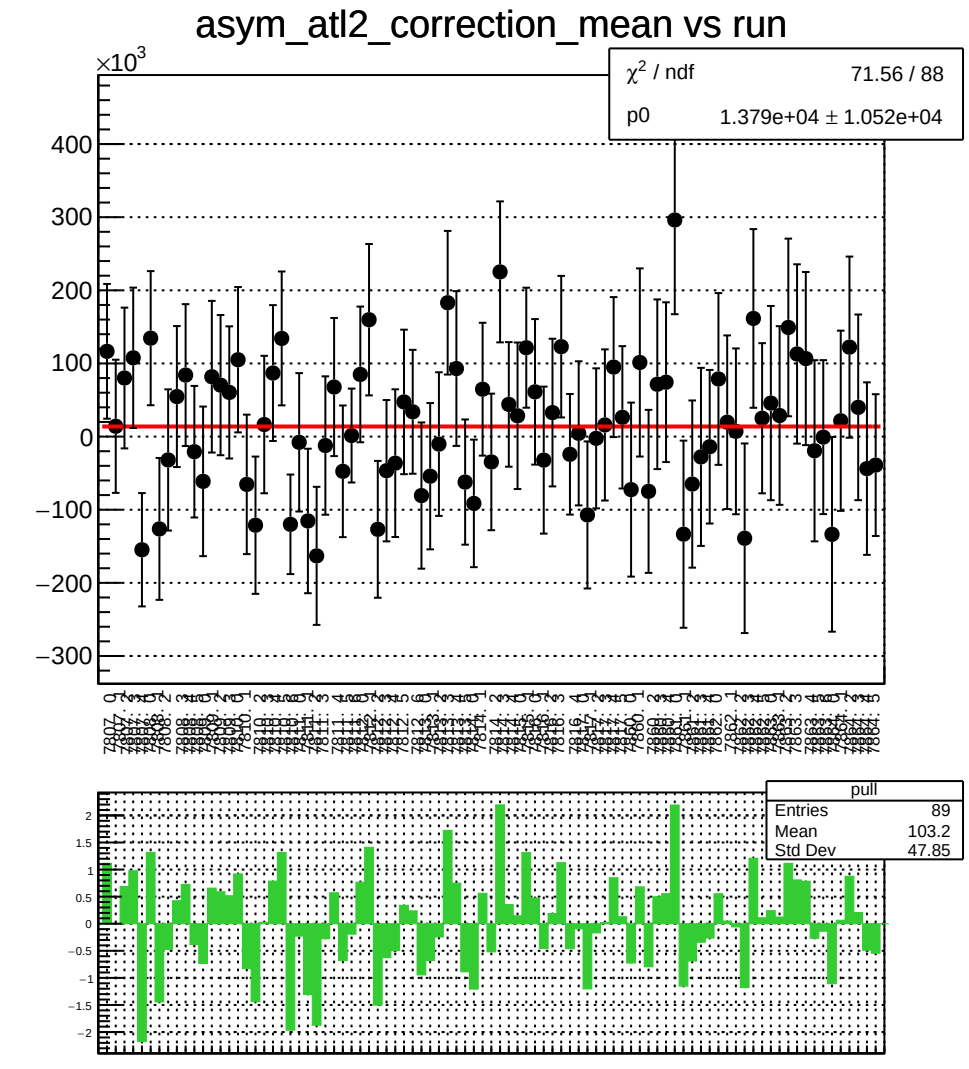

pull1D
Entries 89
Mean −0.006265
Std Dev 0.905

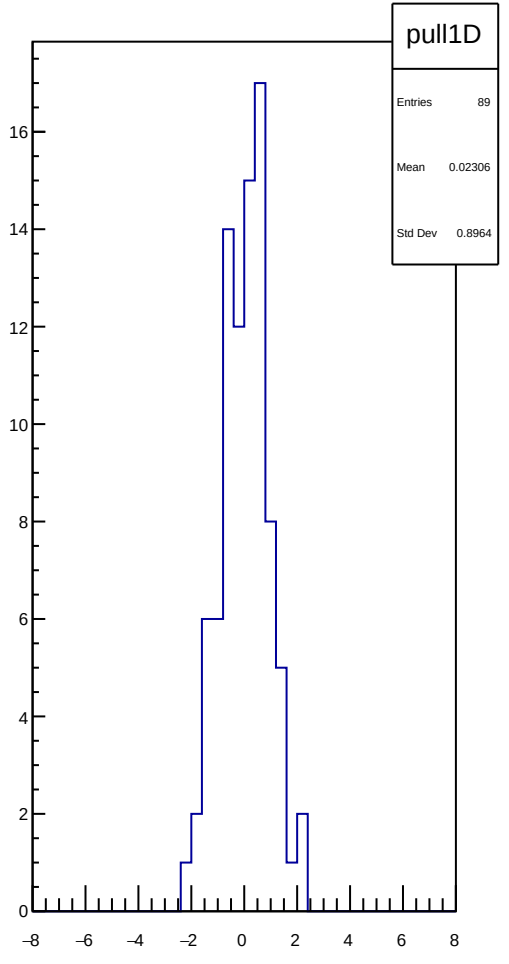

asym_atl1_rms vs run
χ² / ndf 1.081e+04 / 88
p0 2552 ± 1.956
10000
8000
6000
4000
2000

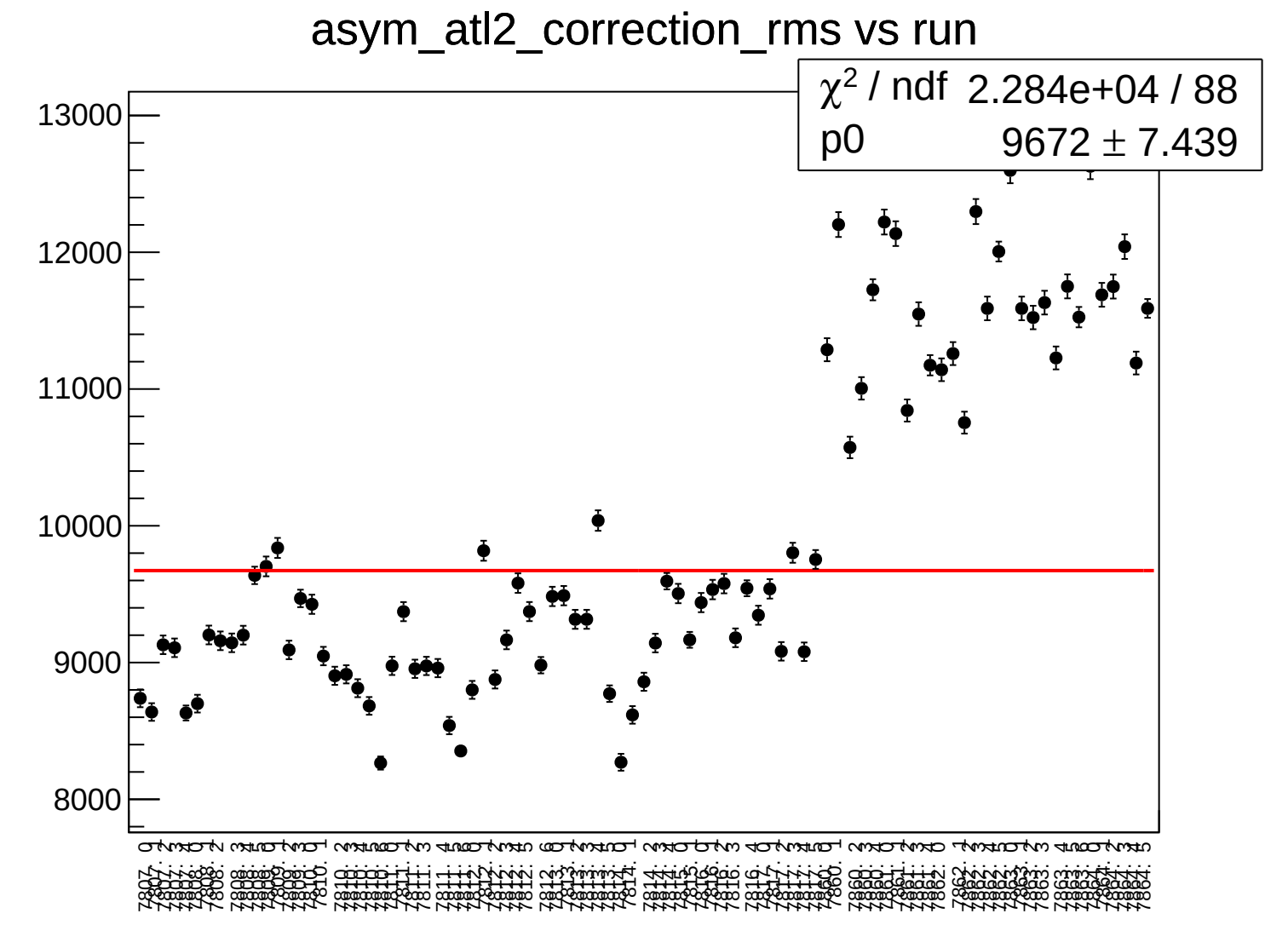

dit_asym_atl2_mean vs run
χ^2 / ndf 88.52 / 88
p0 −2128 ± 2485
×10^3
pull
Entries 89
Mean 91.38
Std Dev 68.84

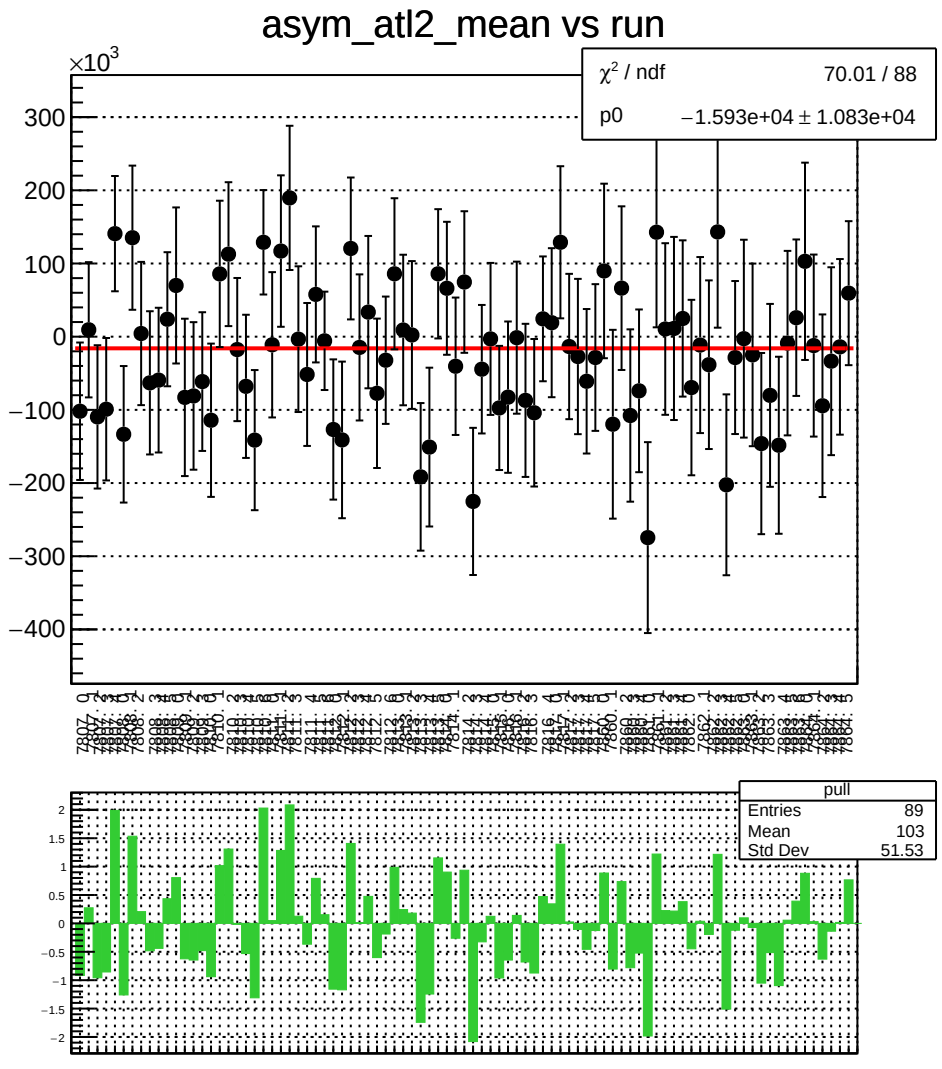

pull1D
Entries 89
Mean −0.01205
Std Dev 0.9972

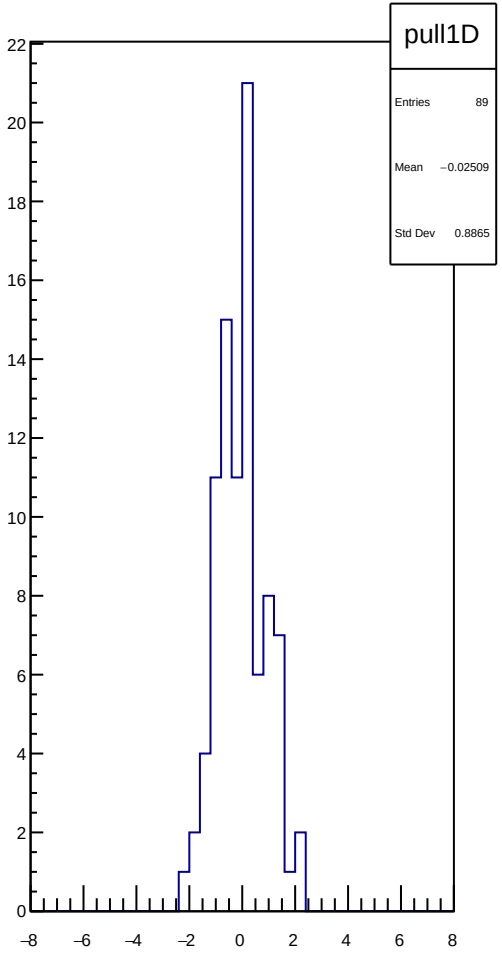

dit_asym_atl2_rms vs run
χ^2 / ndf 131.4 / 88
p0 2300 ± 1.757
2360
2340
2320
2300
2280
2260
2240

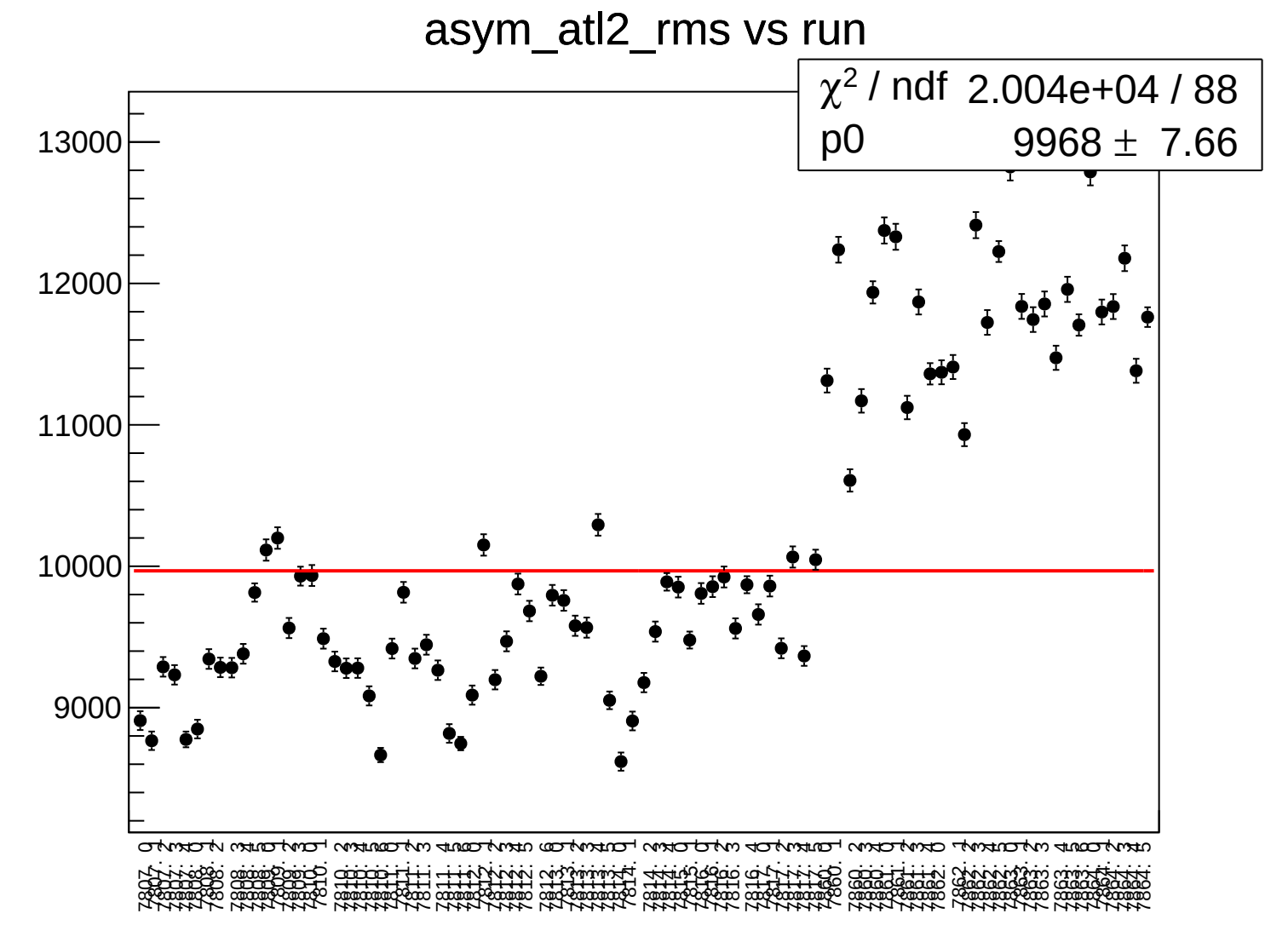

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 71.56 / 88
p0 1.379e+04 ± 1.052e+04
400
300
200
100
0
−100
−200
−300
pull
Entries 89
Mean 103.2
Std Dev 47.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

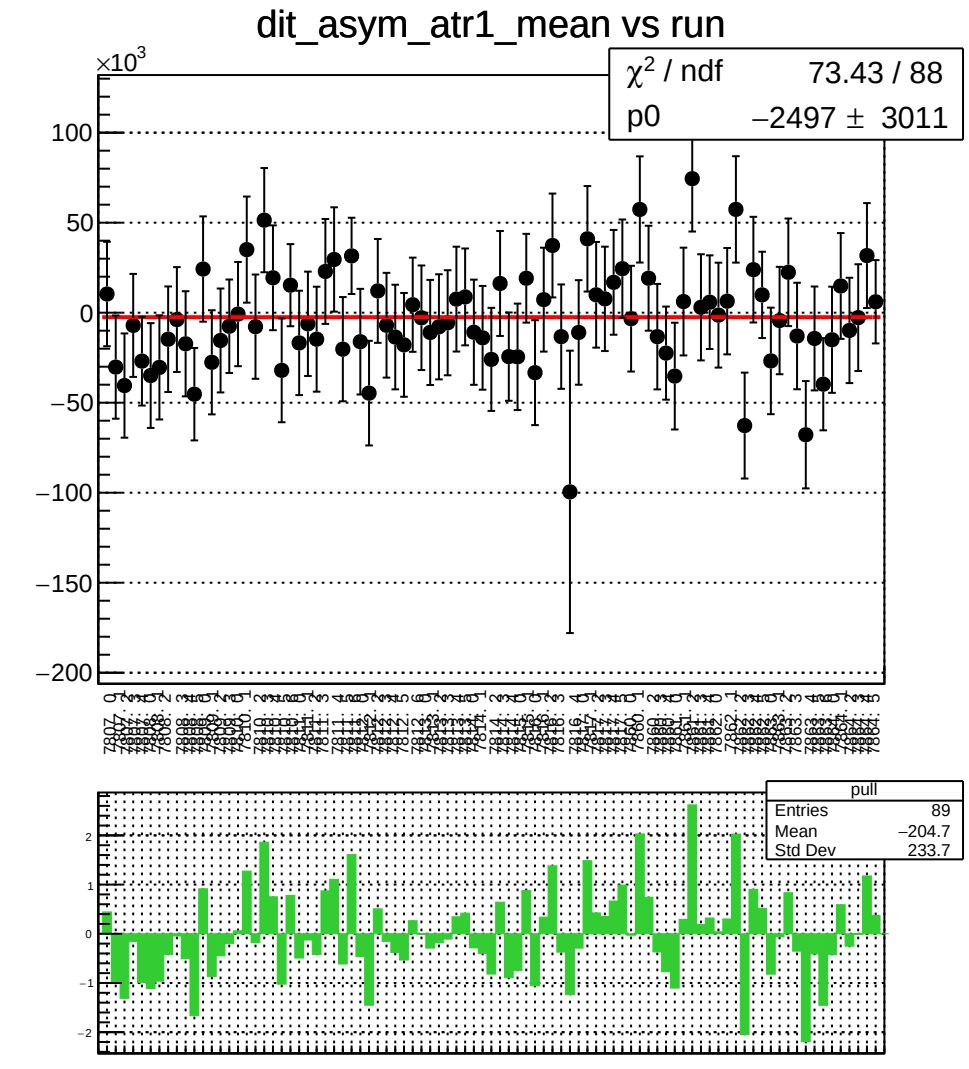

pull1D
Entries 89
Mean 0.02306
Std Dev 0.8964
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

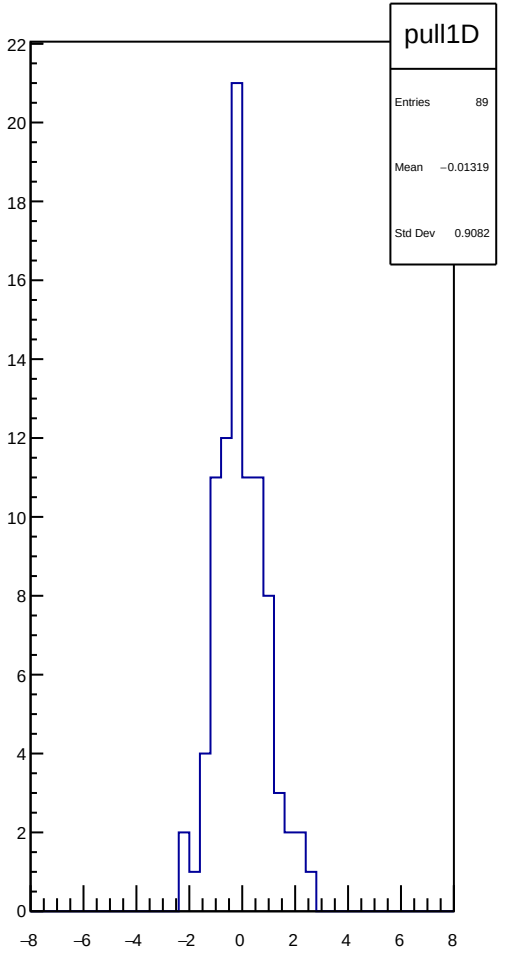

asym_atl2_correction_rms vs run
χ² / ndf 2.284e+04 / 88
p0 9672 ± 7.439
13000
12000
11000
10000
9000
8000

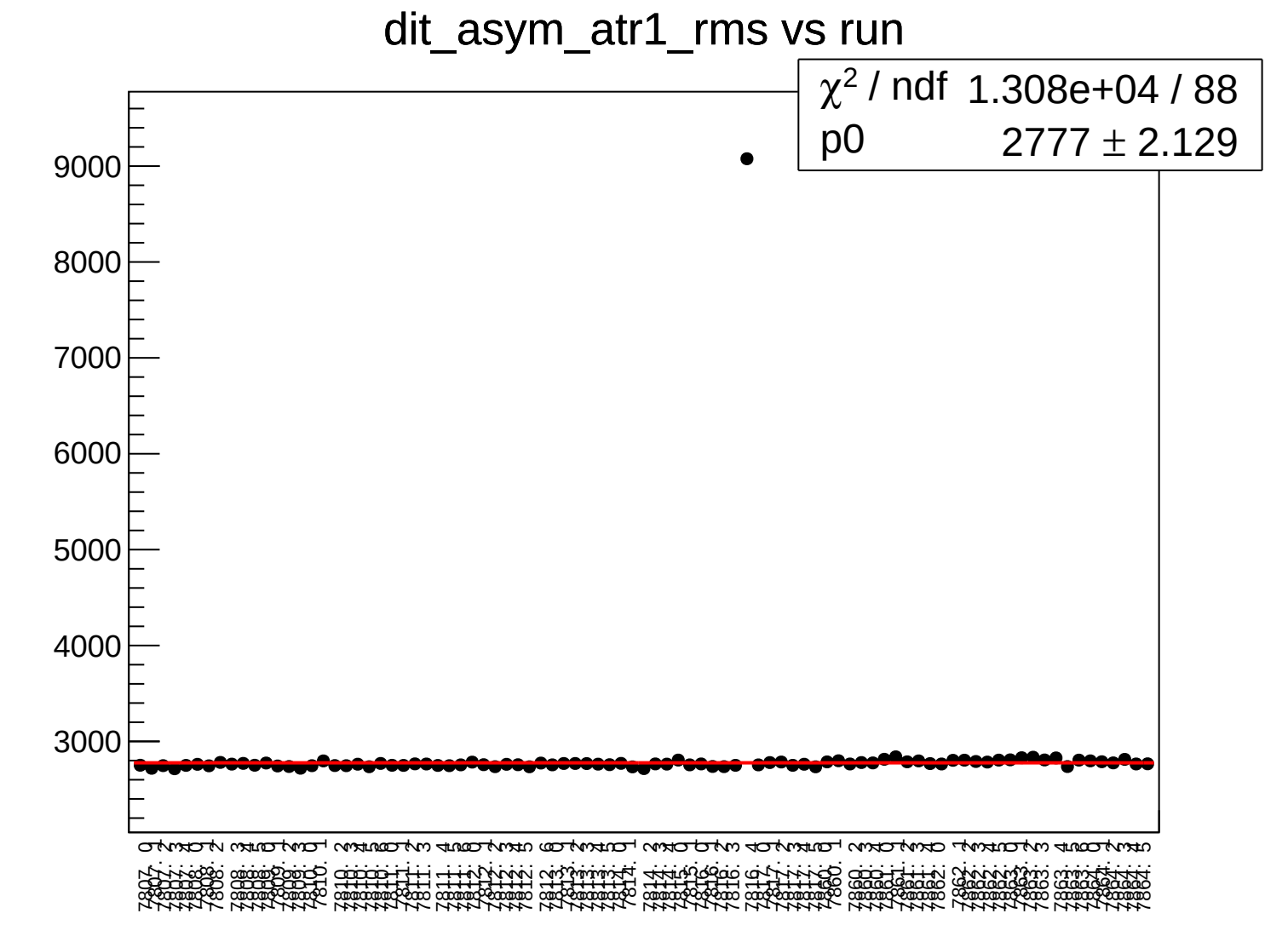

asym_atl2_mean vs run
×10^3
χ² / ndf 70.01 / 88
p0 −1.593e+04 ± 1.083e+04
pull
Entries 89
Mean 103
Std Dev 51.53

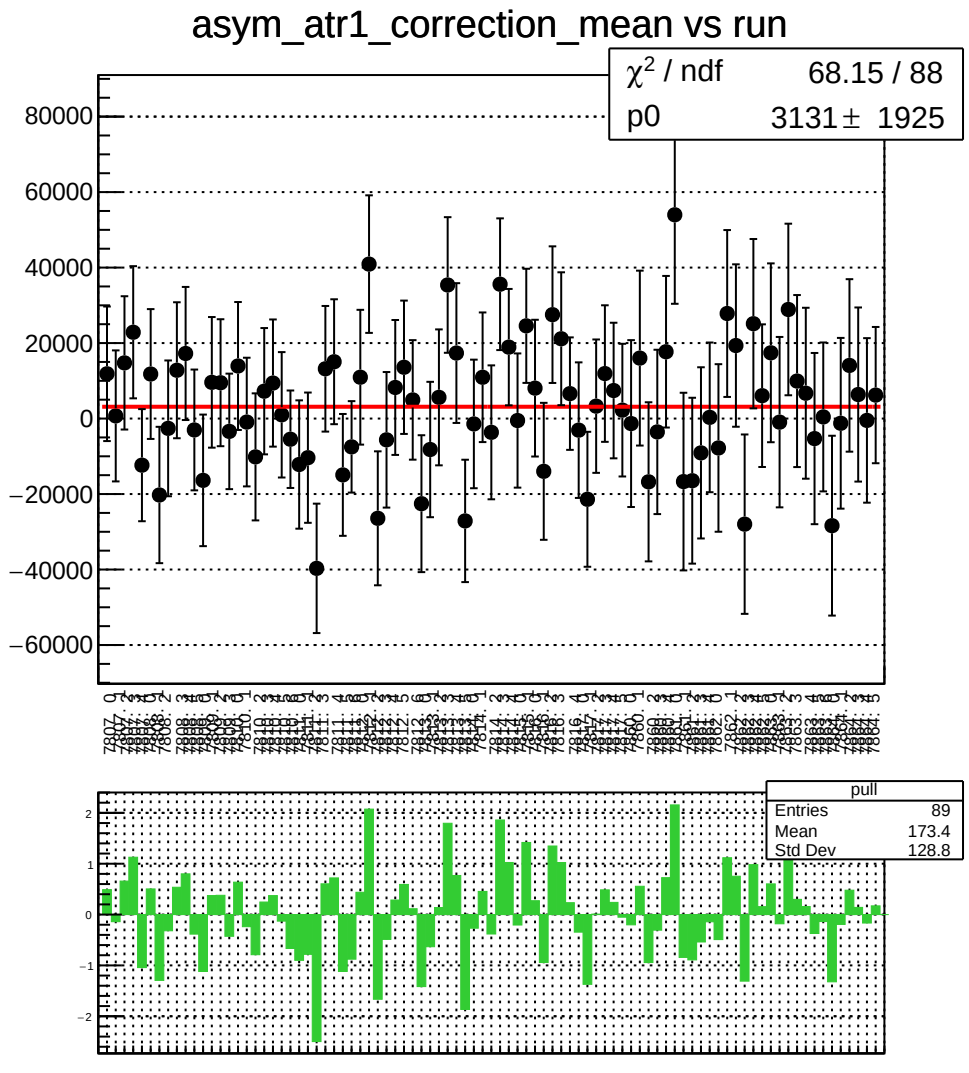

pull1D
Entries 89
Mean −0.02509
Std Dev 0.8865

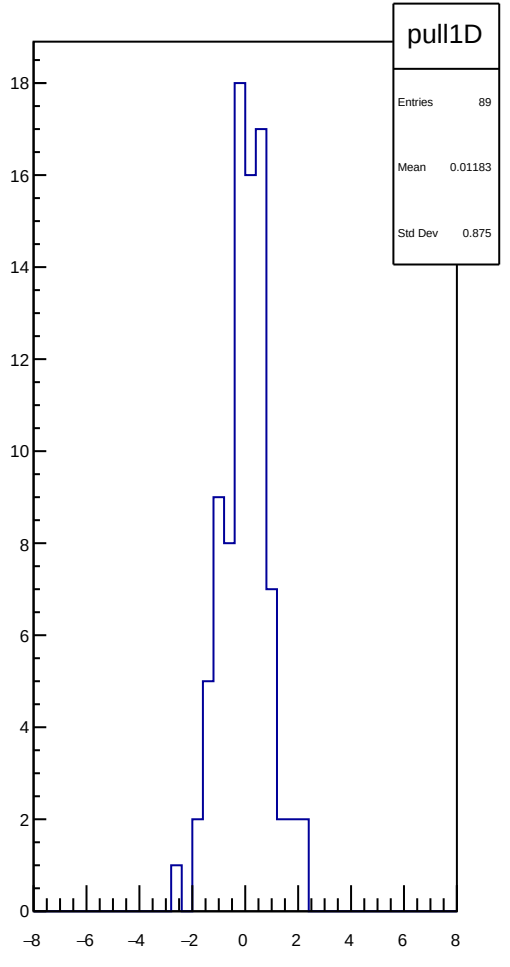

asym_atl2_rms vs run
χ² / ndf 2.004e+04 / 88
p0 9968 ± 7.66
13000
12000
11000
10000
9000

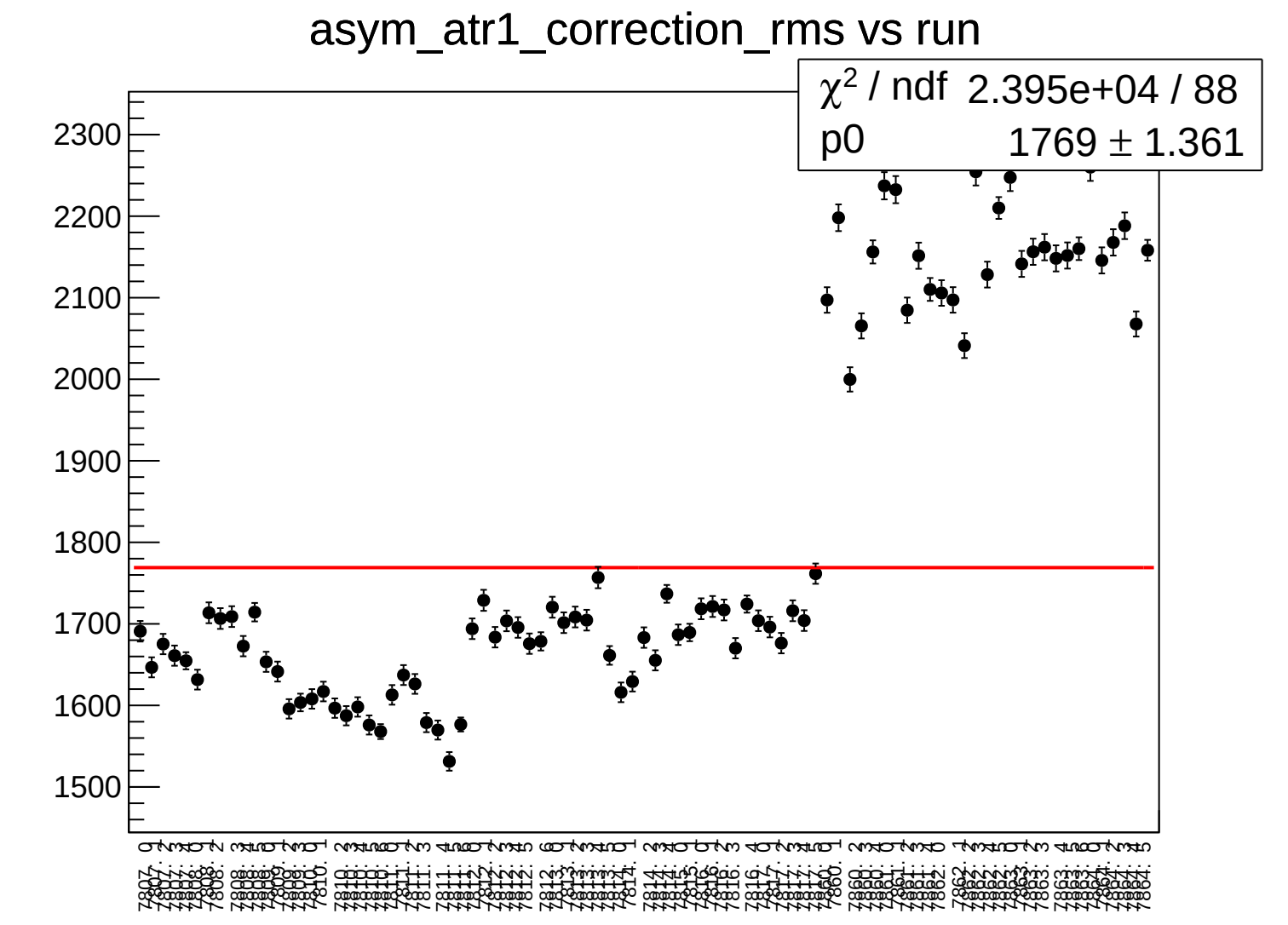

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 73.43 / 88
p0 −2497 ± 3011
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean −204.7
Std Dev 233.7
2
1
0
−1
−2

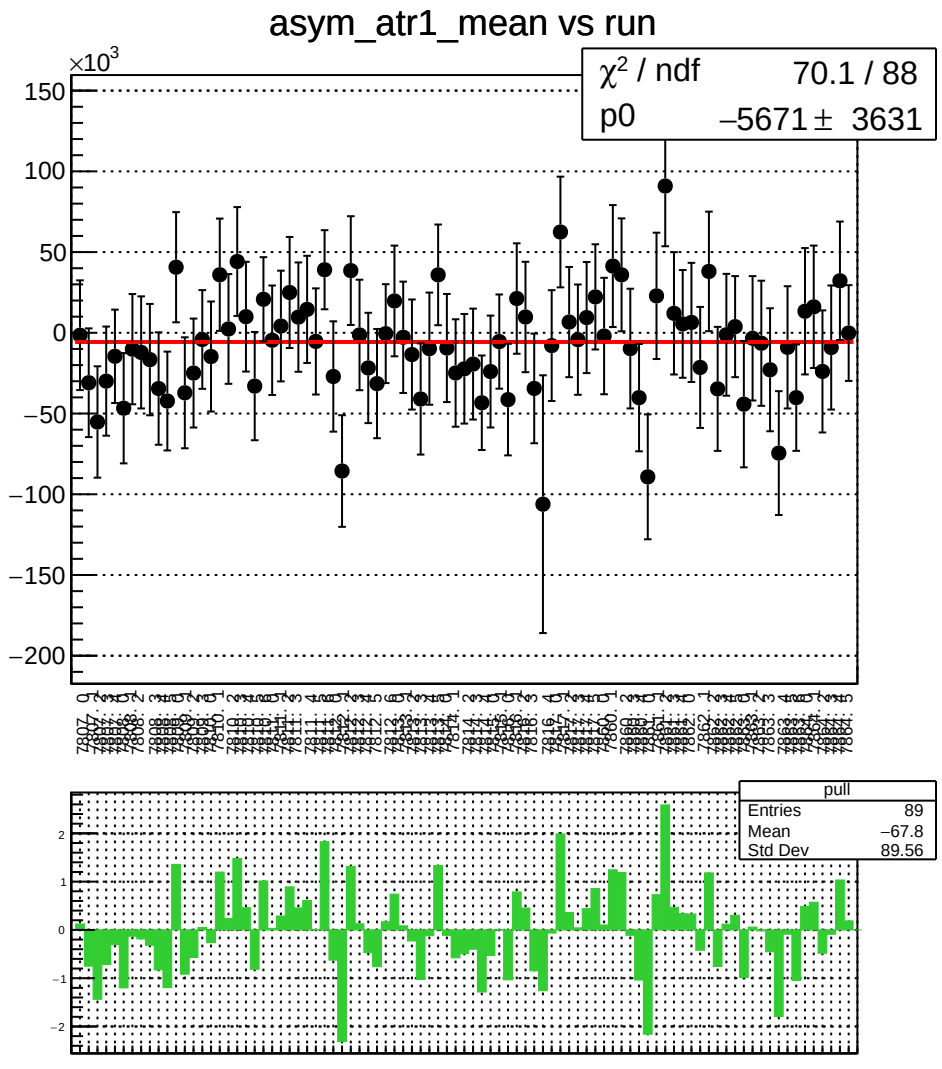

pull1D
Entries 89
Mean −0.01319
Std Dev 0.9082
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

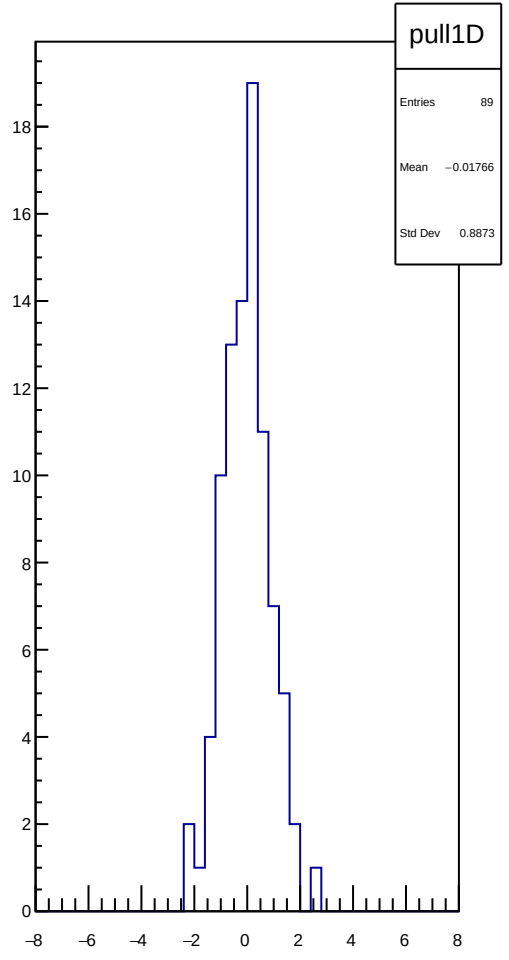

dit_asym_atr1_rms vs run
χ² / ndf 1.308e+04 / 88
p0 2777 ± 2.129
9000
8000
7000
6000
5000
4000
3000

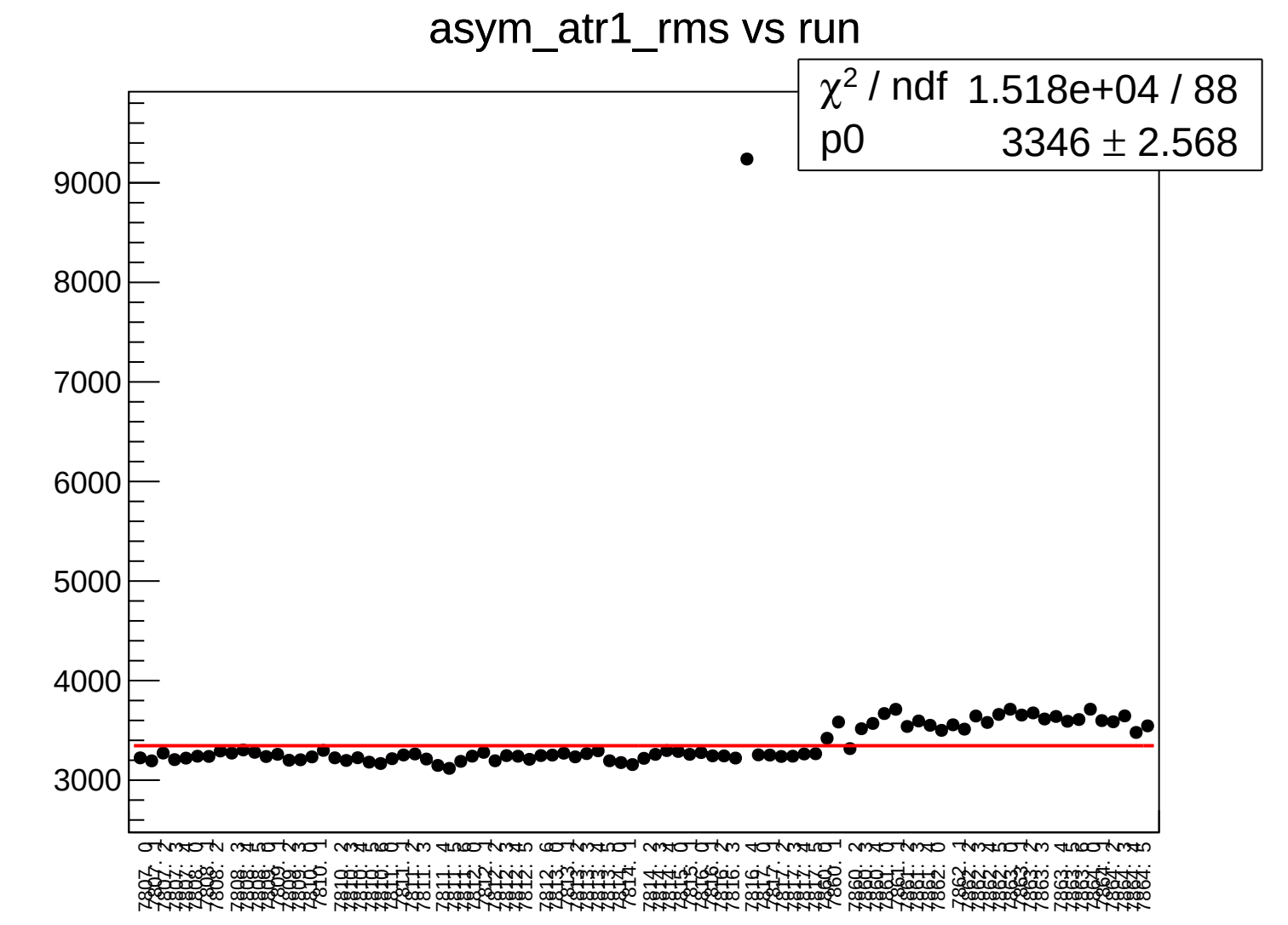

asym_atr1_correction_mean vs run
χ² / ndf 68.15 / 88
p0 3131 ± 1925
pull
Entries 89
Mean 173.4
Std Dev 128.8

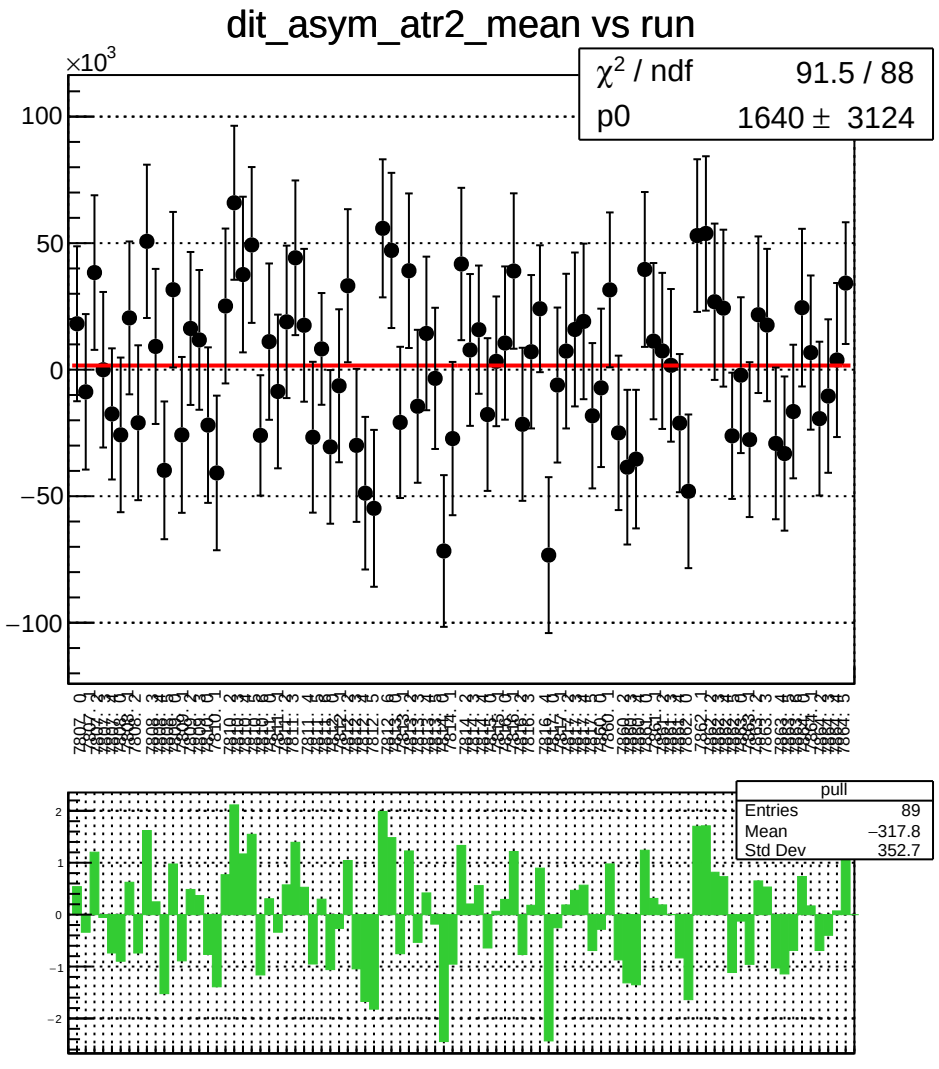

pull1D
Entries 89
Mean 0.01183
Std Dev 0.875

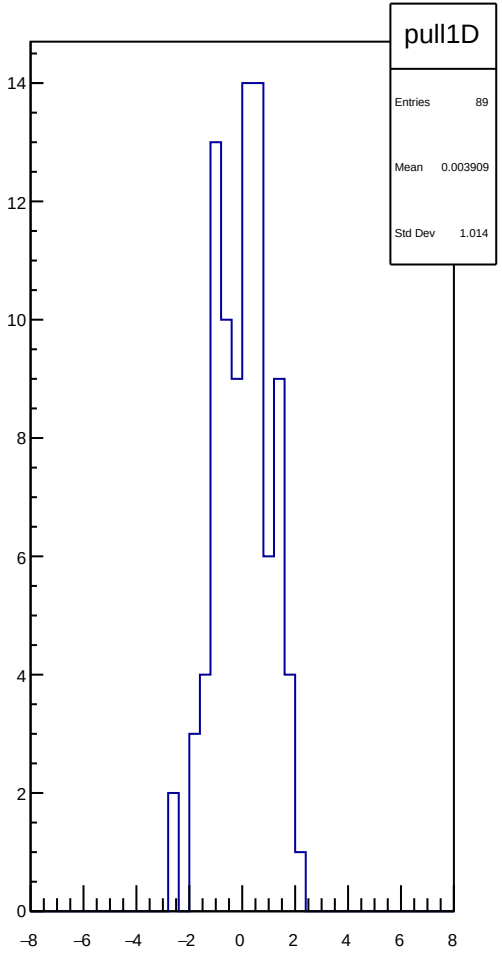

asym_atr1_correction_rms vs run
χ² / ndf 2.395e+04 / 88
p0 1769 ± 1.361
2300
2200
2100
2000
1900
1800
1700
1600
1500

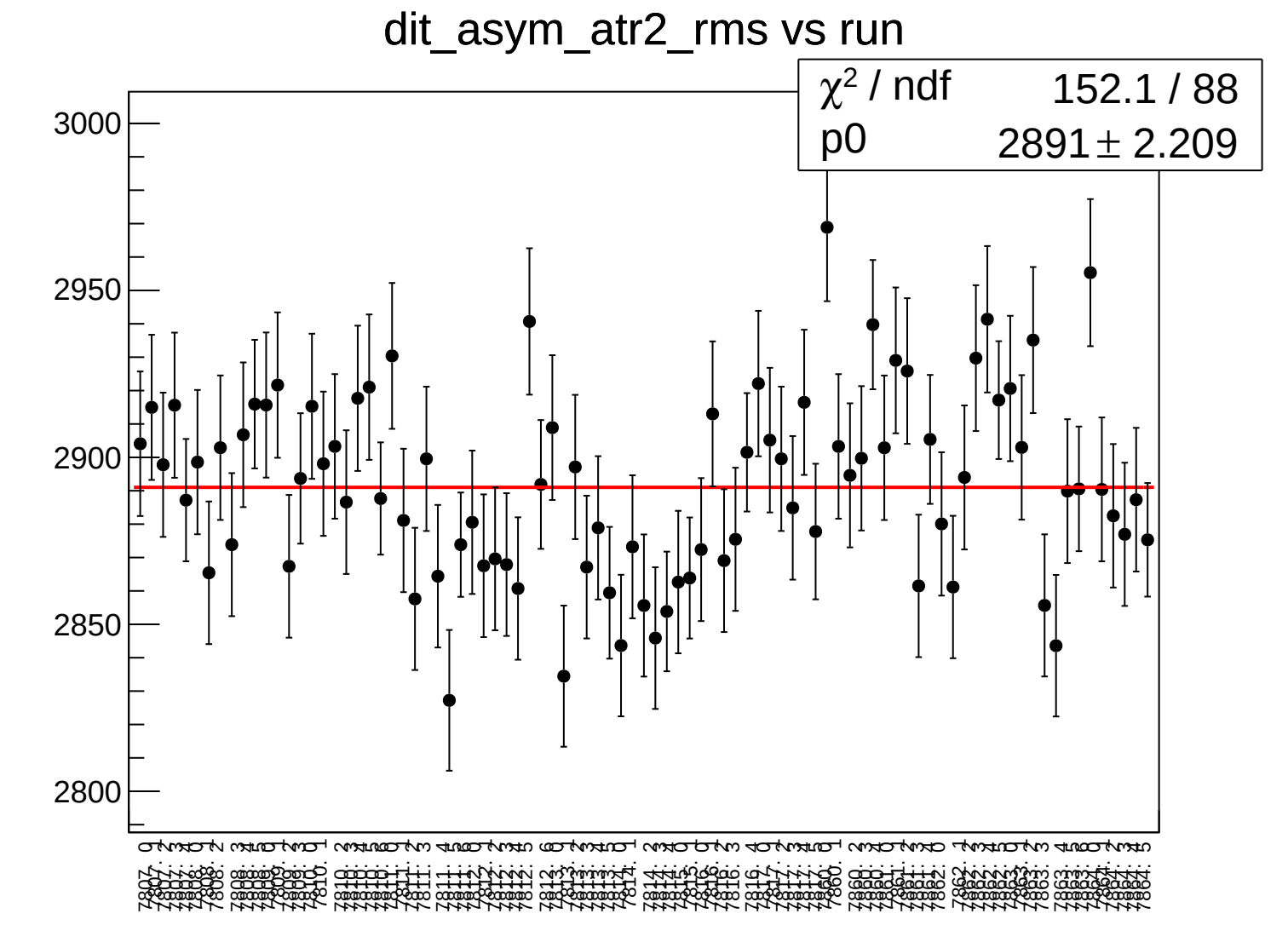

asym_atr1_mean vs run
×10^3
χ² / ndf 70.1 / 88
p0 −5671 ± 3631
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean −67.8
Std Dev 89.56
2
1
0
−1
−2

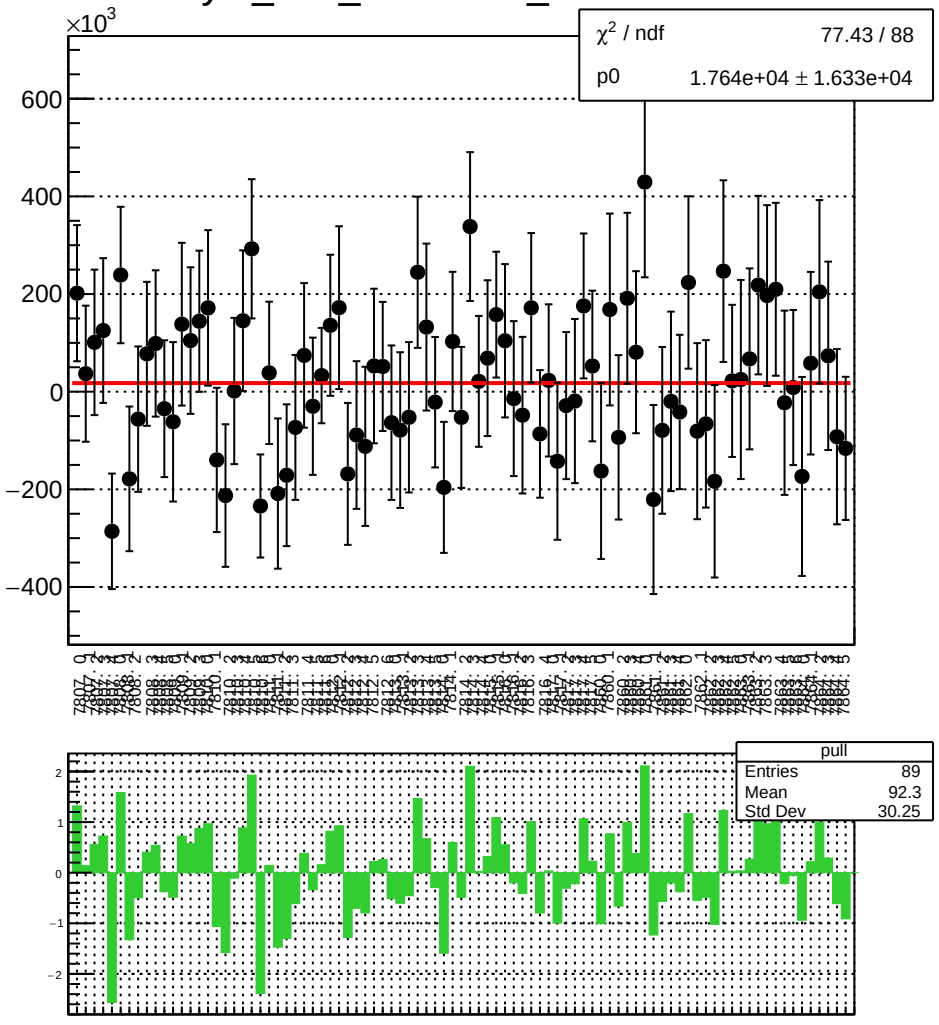

pull1D
Entries 89
Mean −0.01766
Std Dev 0.8873
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

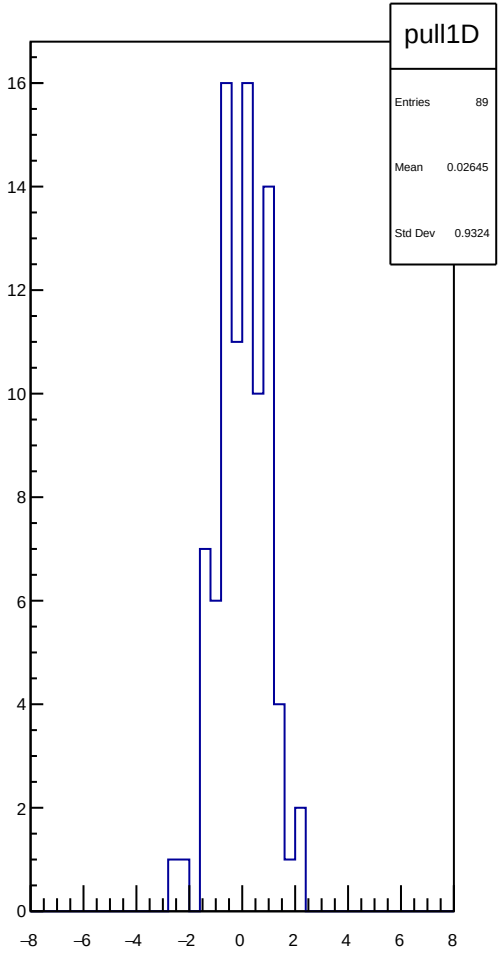

asym_atr1_rms vs run
χ^2 / ndf 1.518e+04 / 88
p0 3346 ± 2.568
9000
8000
7000
6000
5000
4000
3000


dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 91.5 / 88
p0 1640 ± 3124
pull
Entries 89
Mean −317.8
Std Dev 352.7

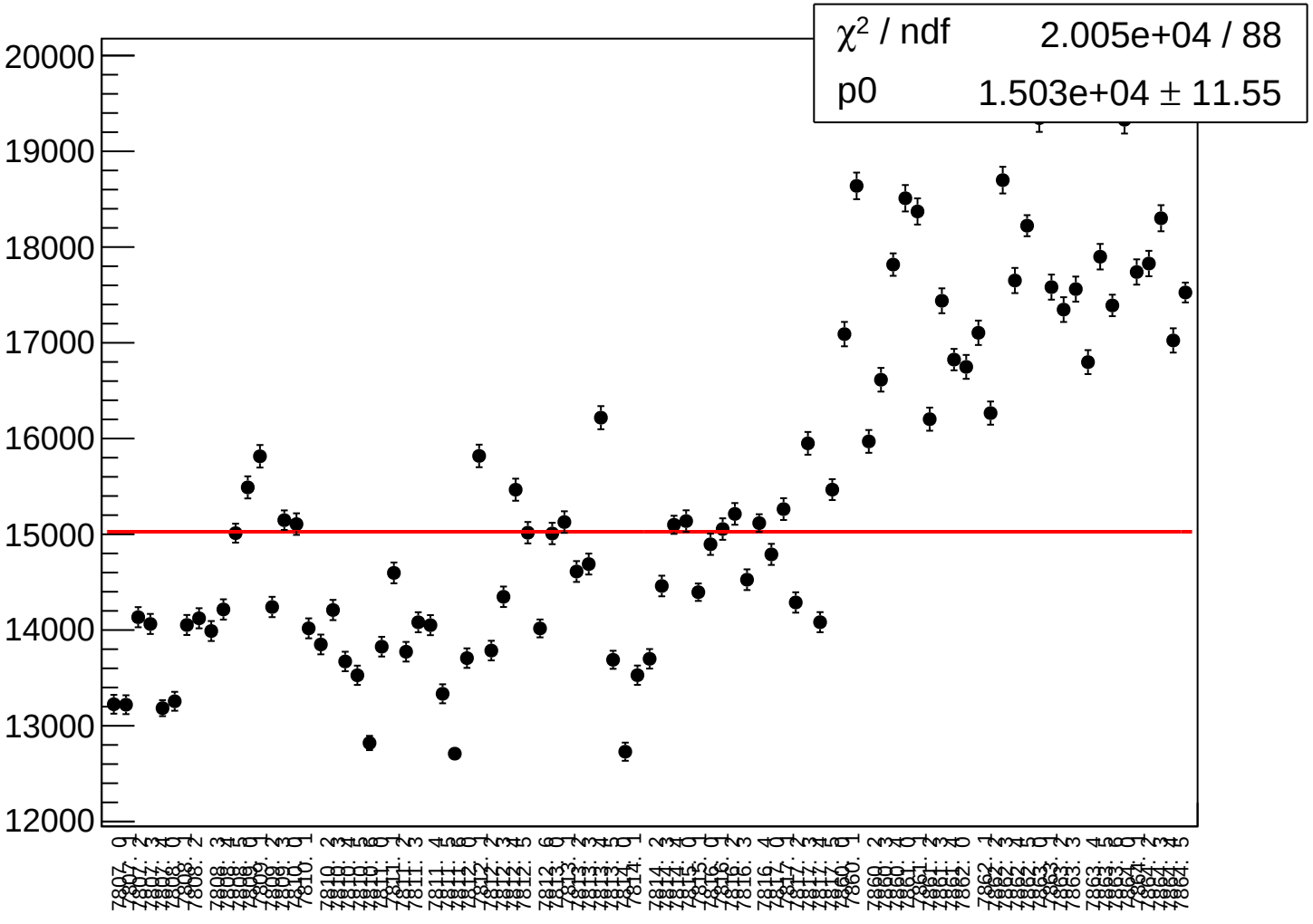

pull1D
Entries 89
Mean 0.003909
Std Dev 1.014

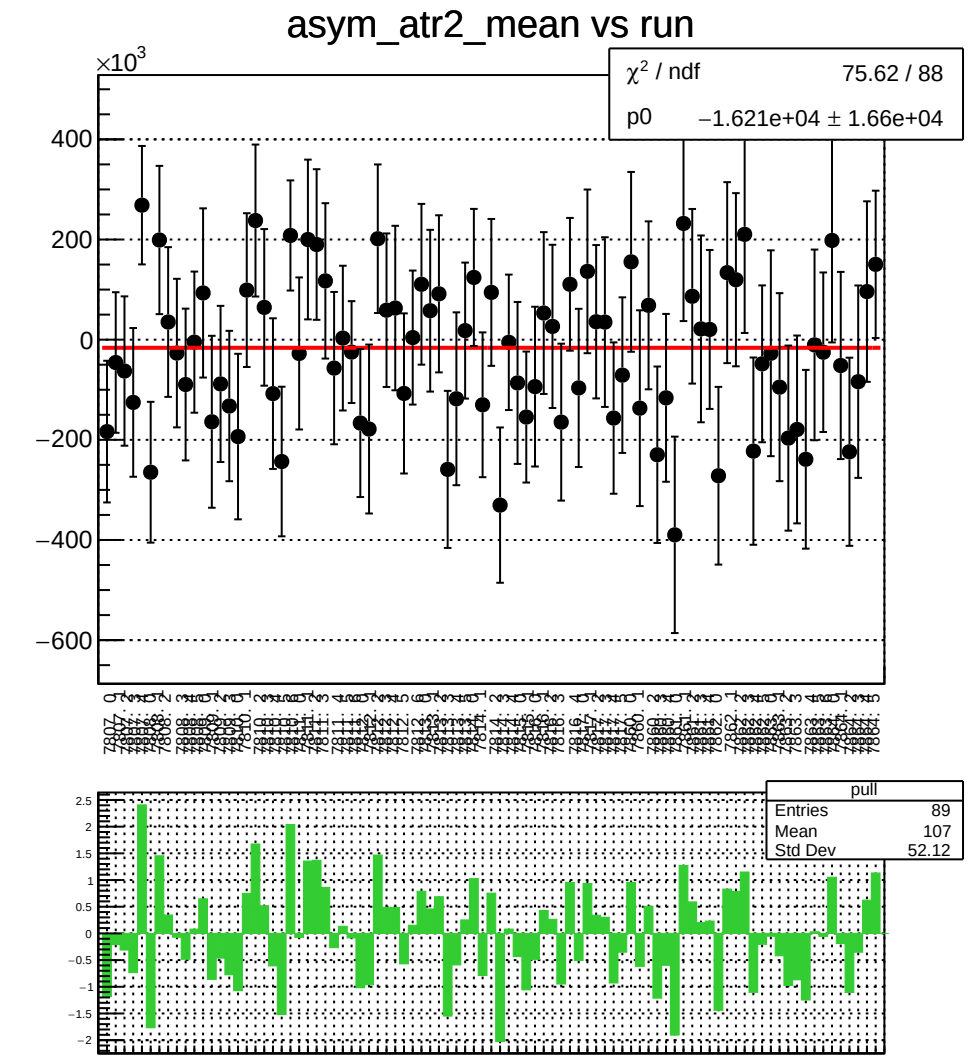

dit_asym_atr2_rms vs run
χ² / ndf 152.1 / 88
p0 2891 ± 2.209
3000
2950
2900
2850
2800

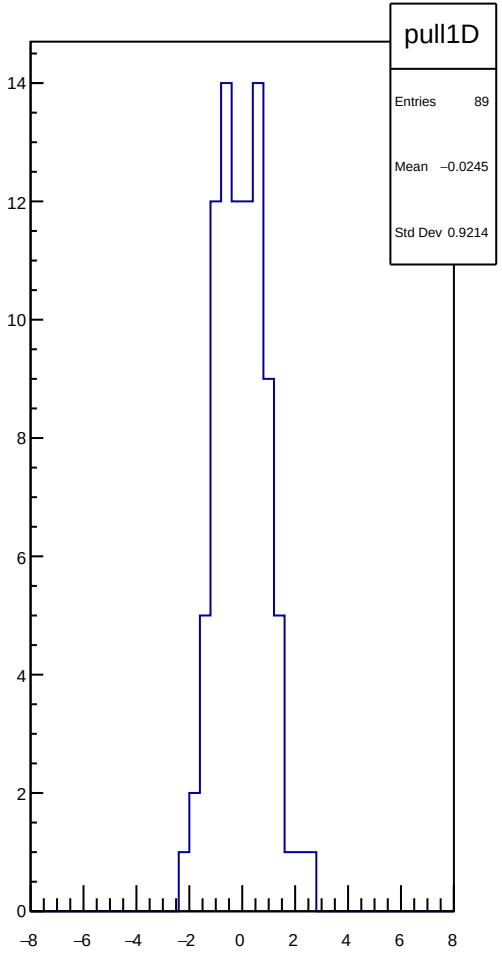

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 77.43 / 88
p0 1.764e+04 ± 1.633e+04
pull
Entries 89
Mean 92.3
Std Dev 30.25

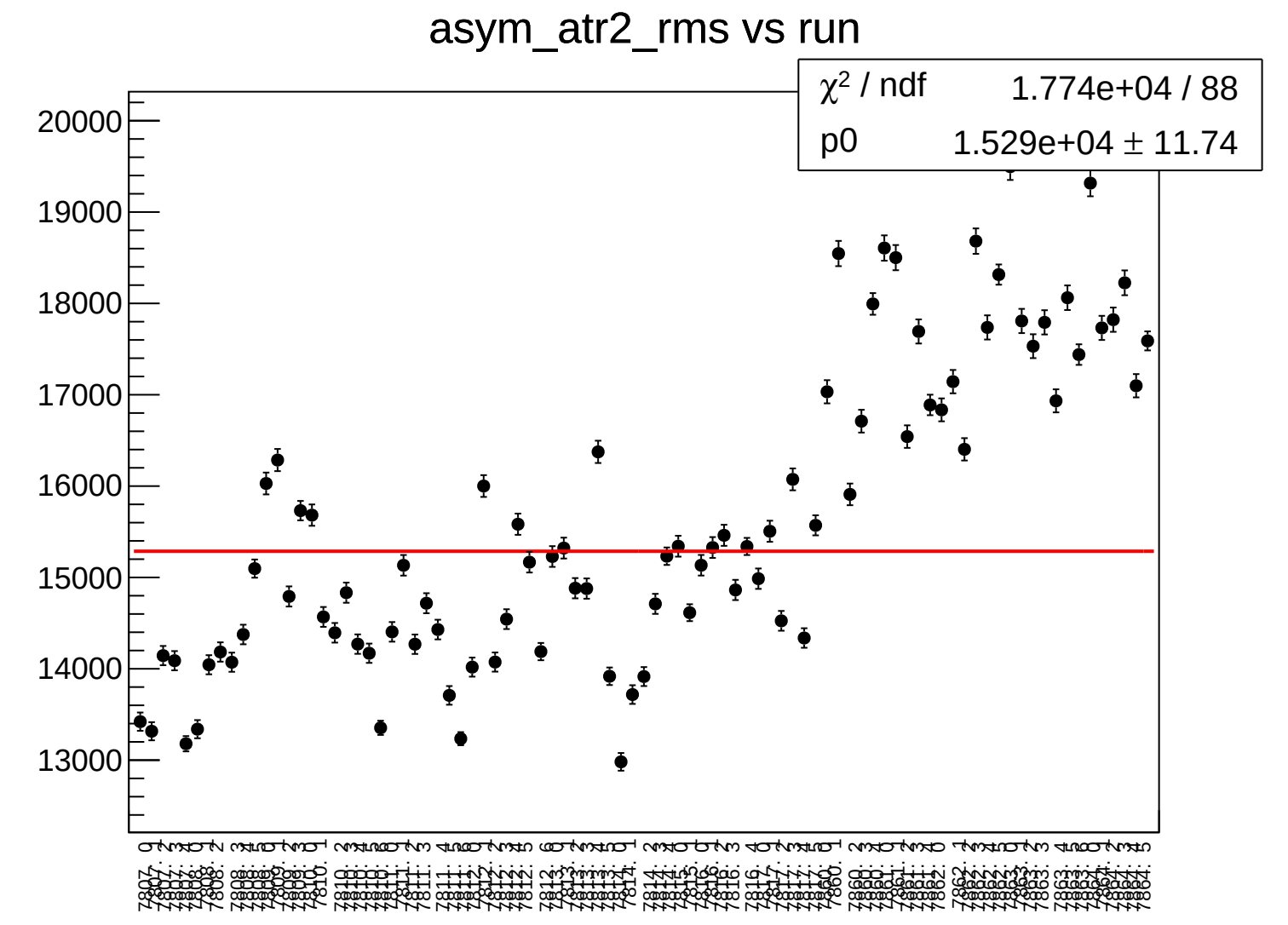

pull1D
Entries 89
Mean 0.02645
Std Dev 0.9324

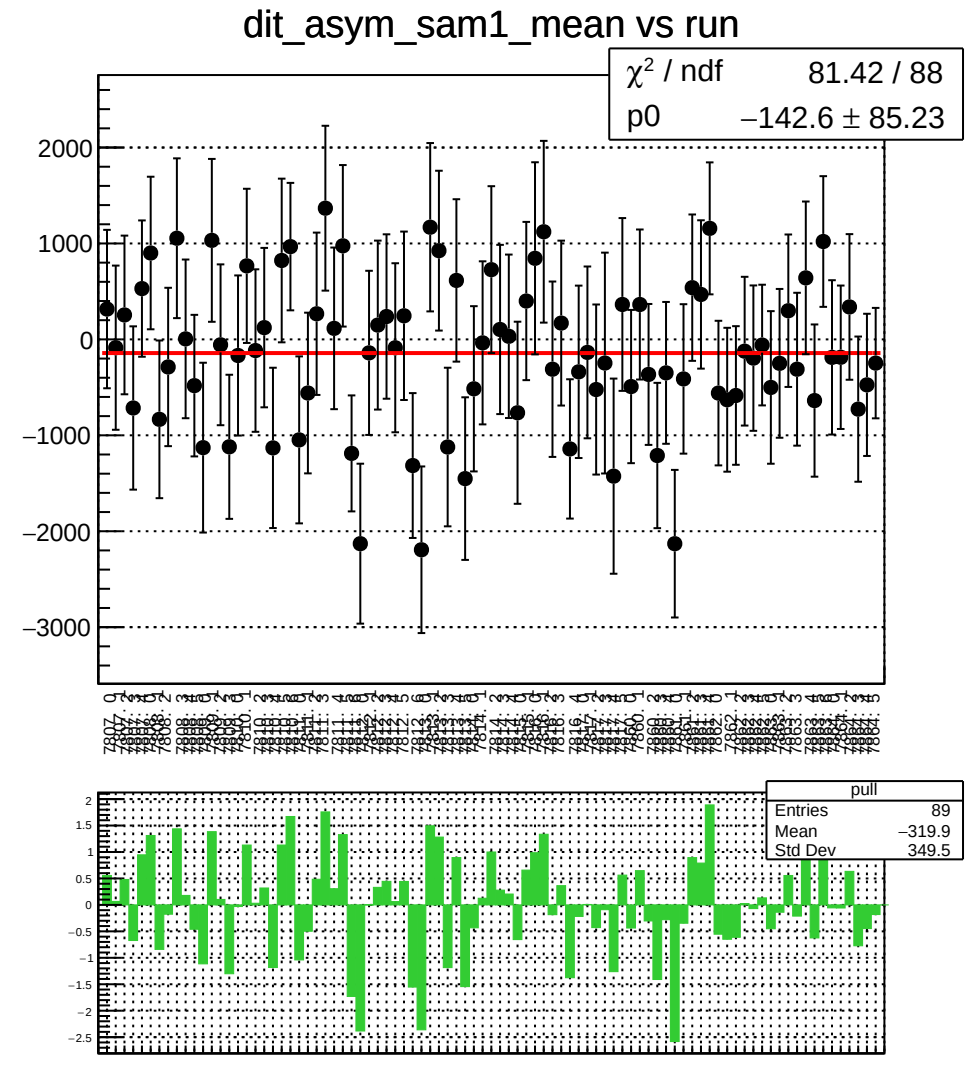
asym_atr2_correction_rms vs run

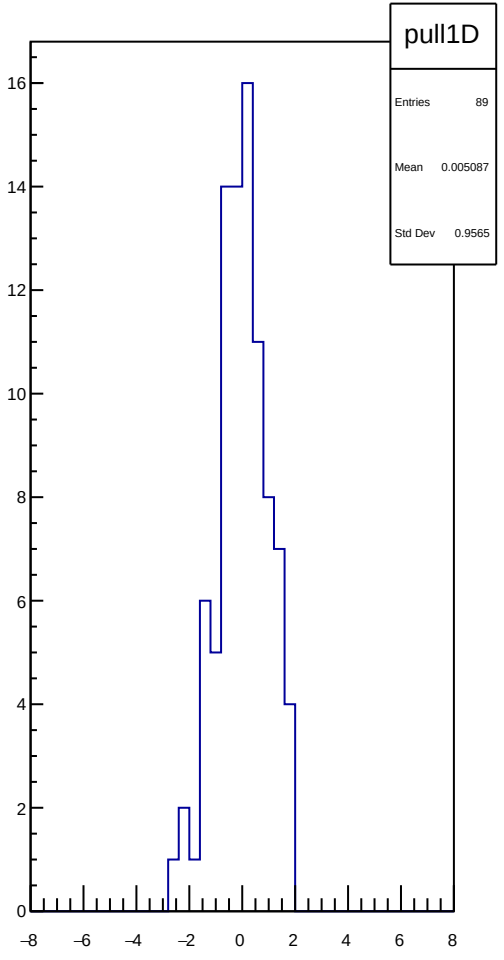


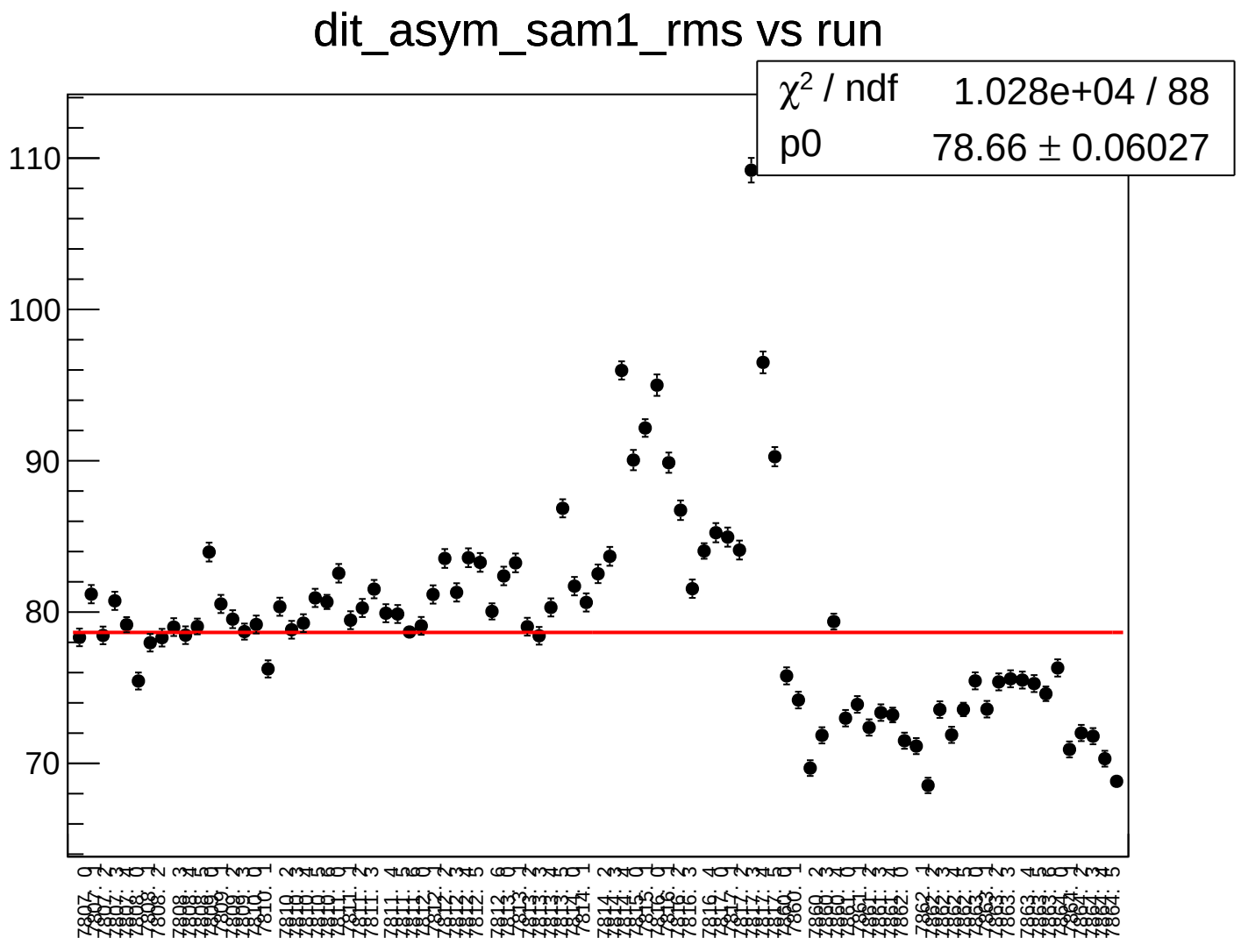

asym_atr2_mean vs run
×10^3
χ² / ndf 75.62 / 88
p0 −1.621e+04 ± 1.66e+04
pull
Entries 89
Mean 107
Std Dev 52.12

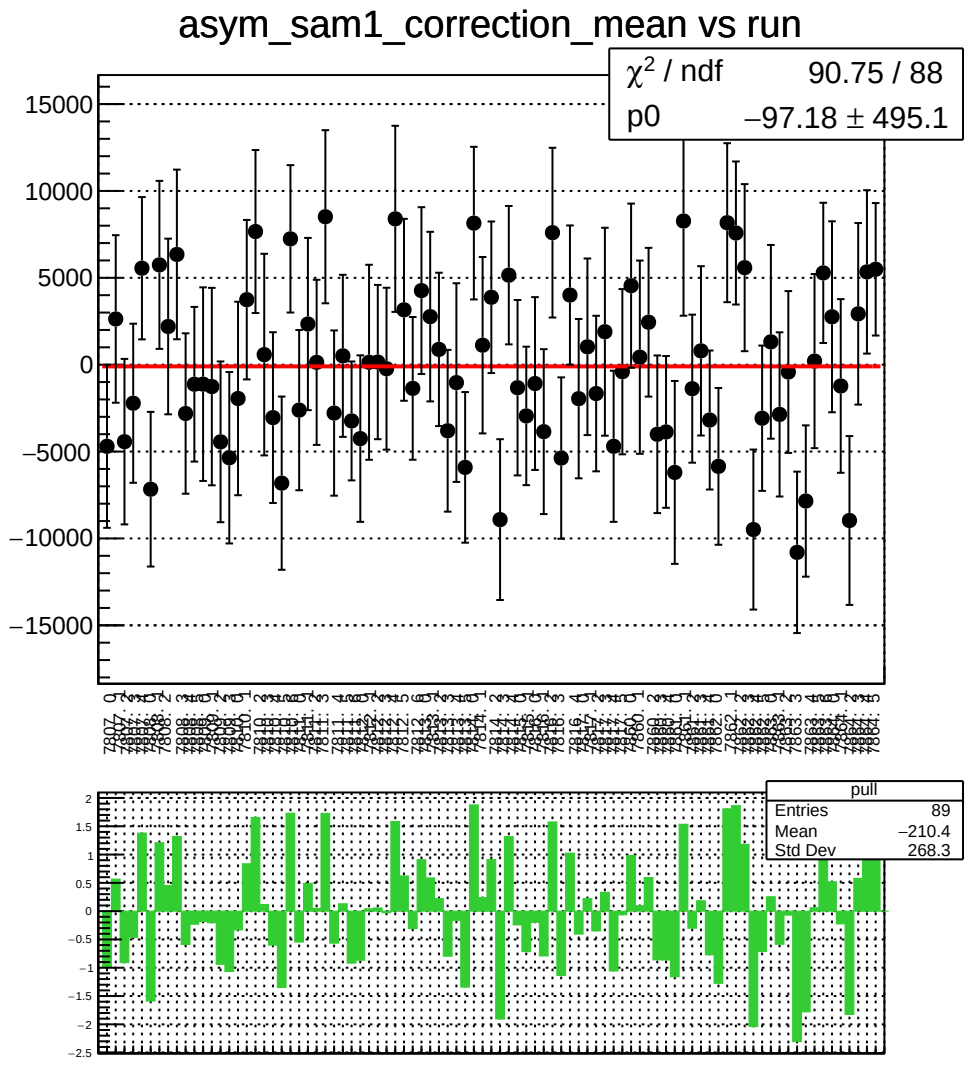

pull1D
Entries 89
Mean −0.0245
Std Dev 0.9214

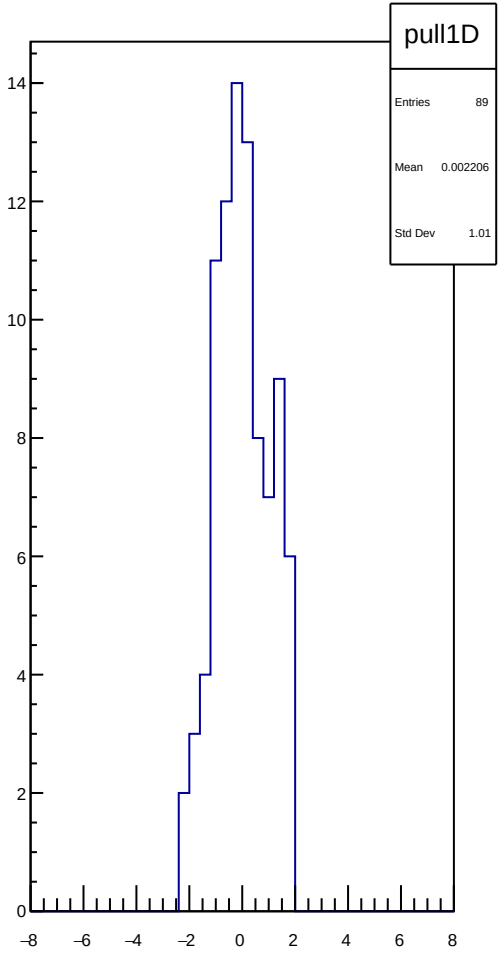

asym_atr2_rms vs run
χ² / ndf 1.774e+04 / 88
p0 1.529e+04 ± 11.74
20000
19000
18000
17000
16000
15000
14000
13000

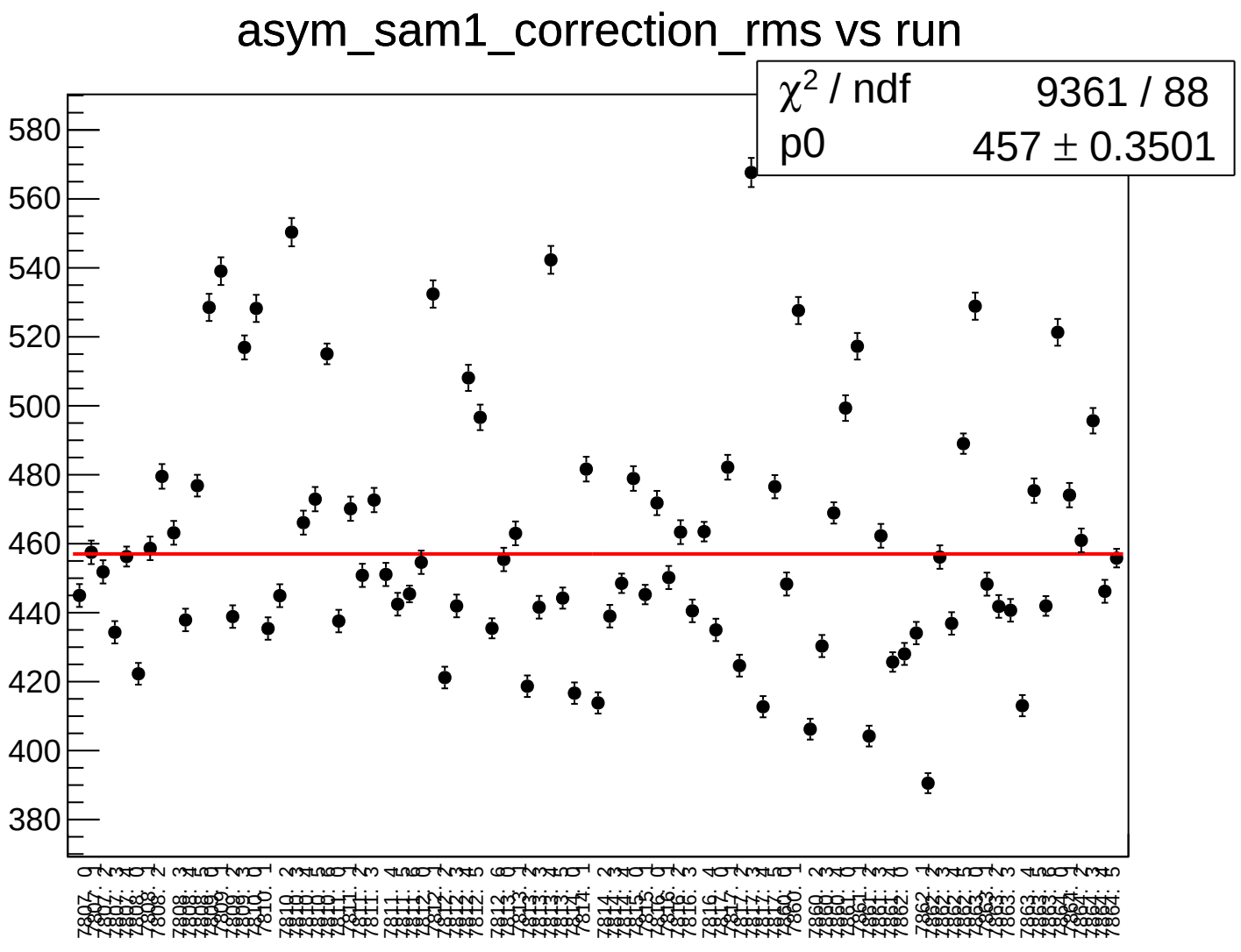

dit_asym_sam1_mean vs run
χ^2 / ndf 81.42 / 88
p0 −142.6 ± 85.23
2000
1000
0
−1000
−2000
−3000
pull
Entries 89
Mean −319.9
Std Dev 349.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

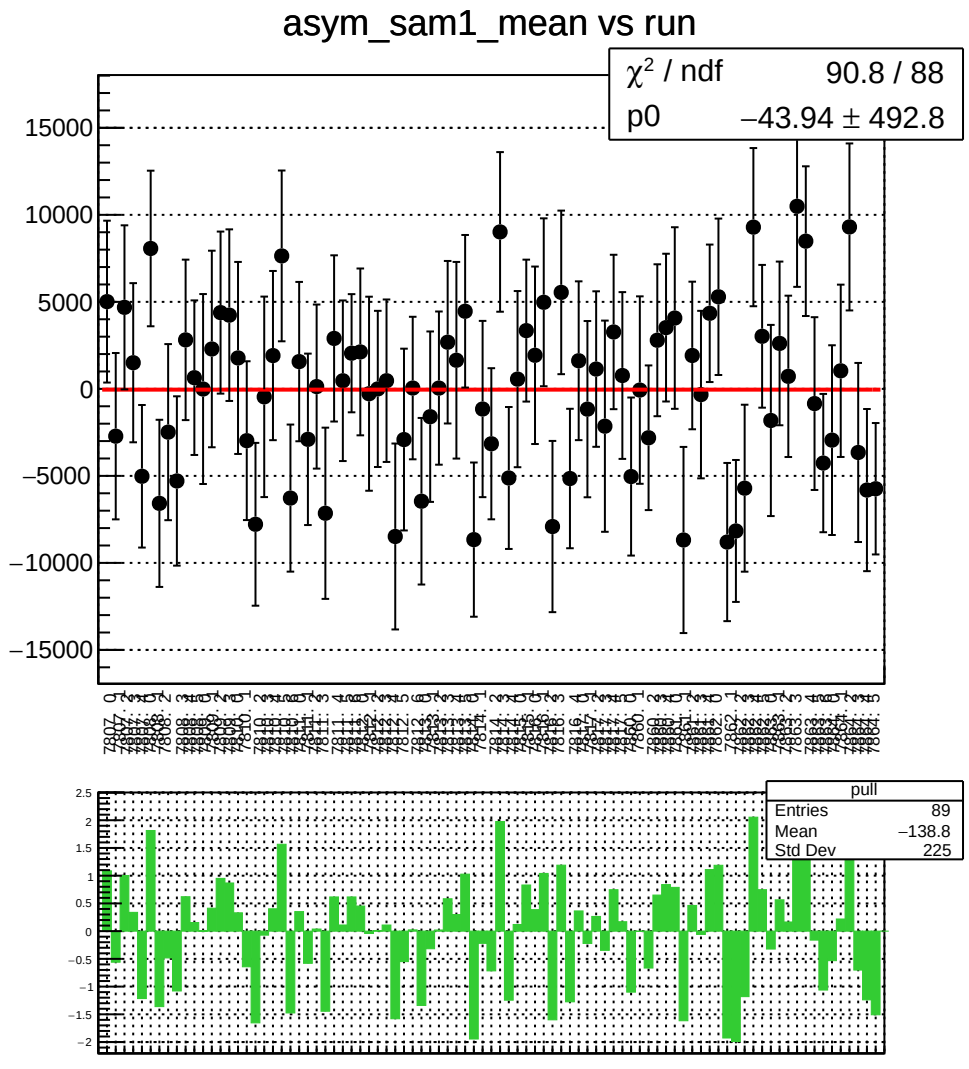

pull1D
Entries 89
Mean 0.005087
Std Dev 0.9565
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

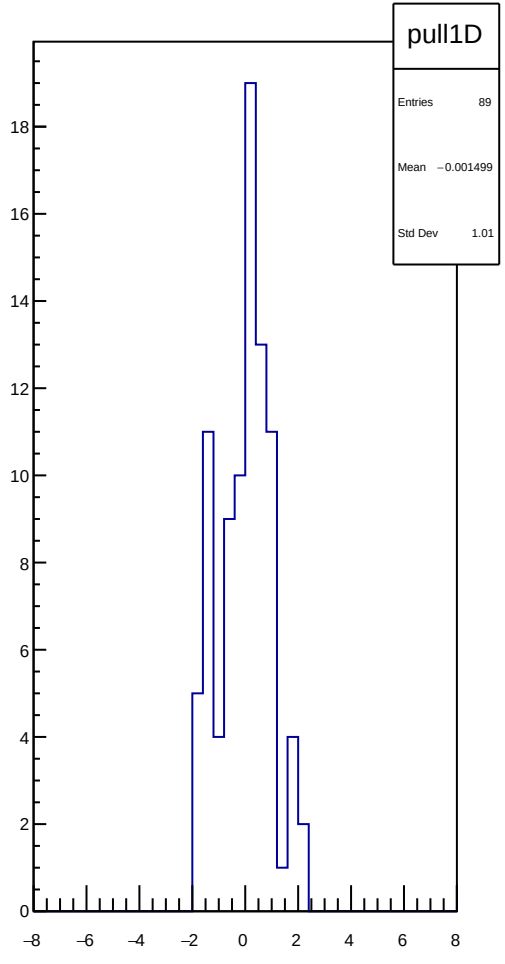

dit_asym_sam1_rms vs run
χ^2 / ndf 1.028e+04 / 88
p0 78.66 ± 0.06027
110
100
90
80
70

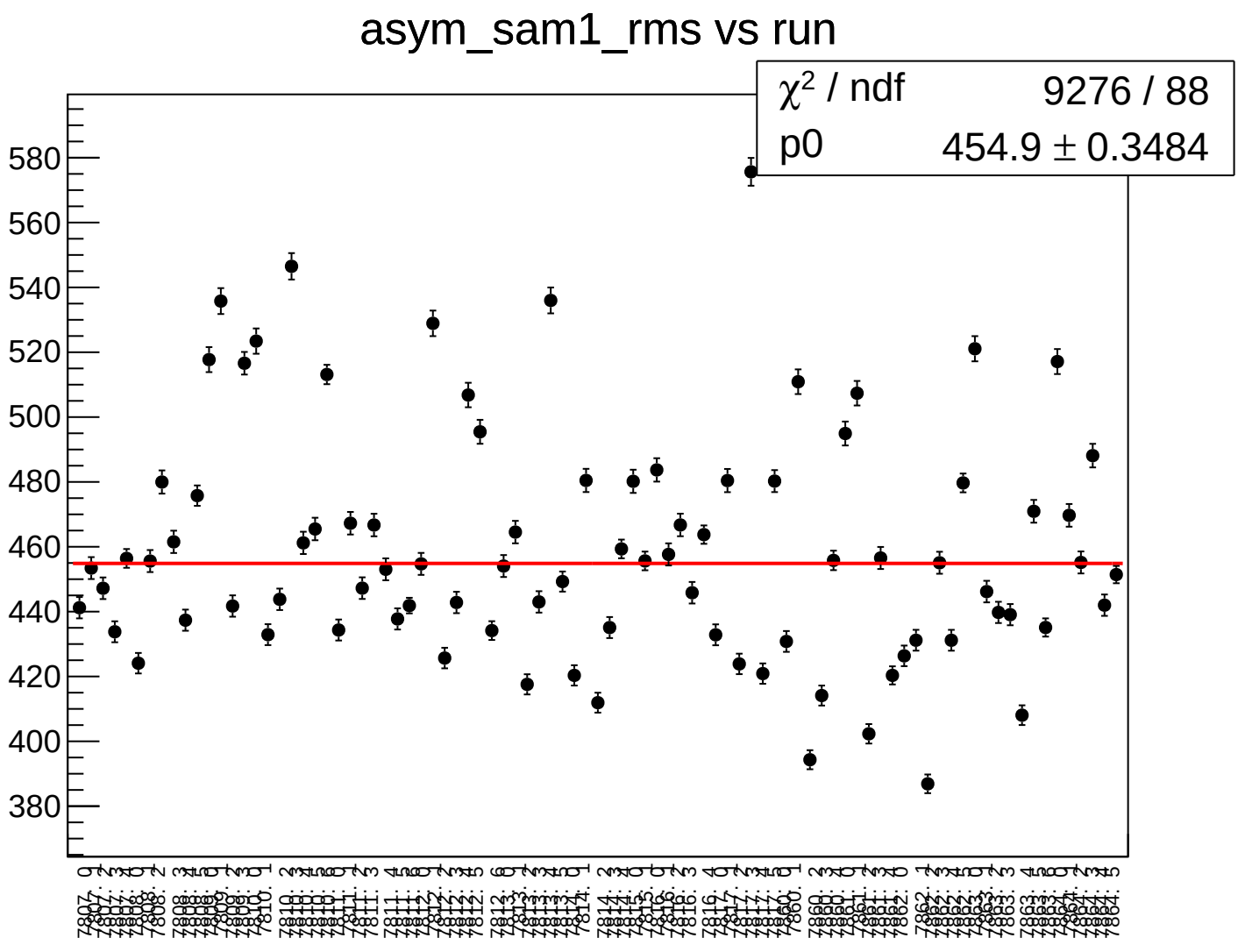

asym_sam1_correction_mean vs run
χ² / ndf 90.75 / 88
p0 −97.18 ± 495.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −210.4
Std Dev 268.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

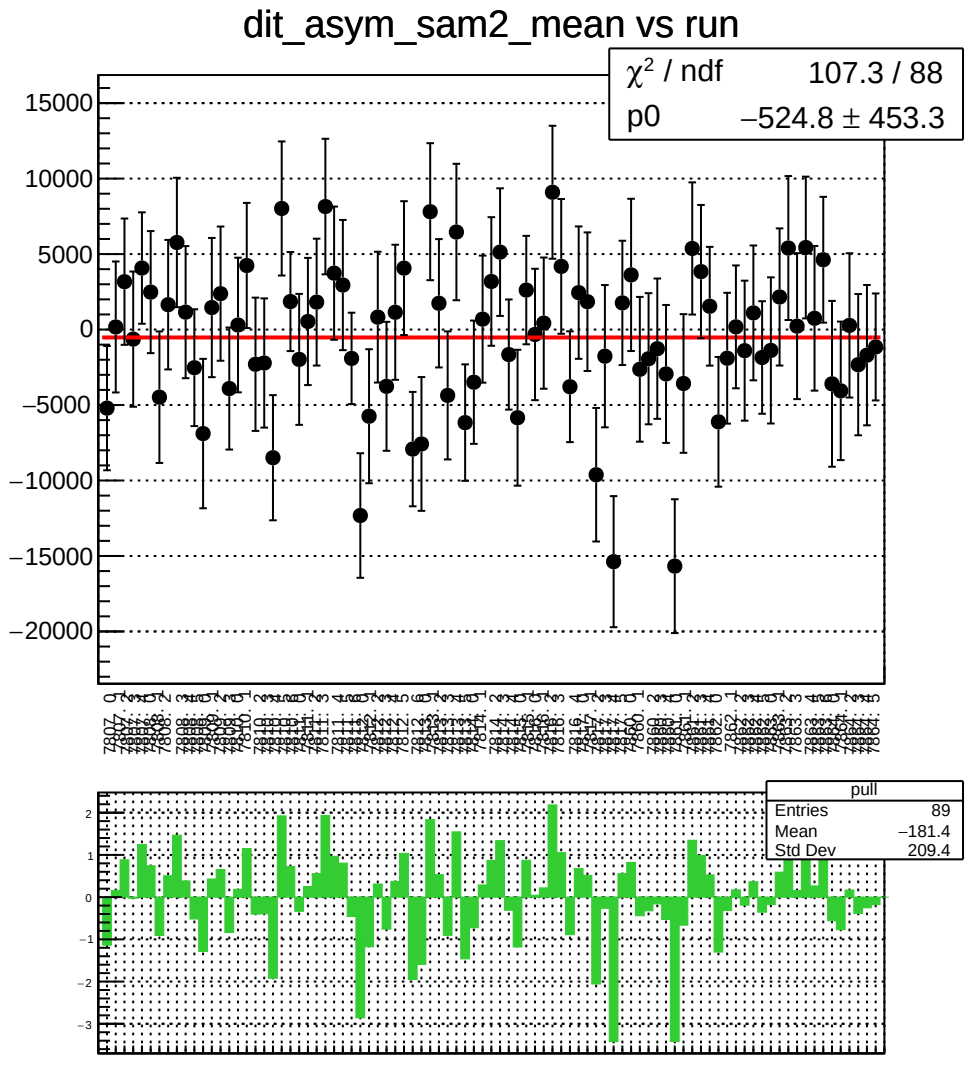

pull1D
Entries 89
Mean 0.002206
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

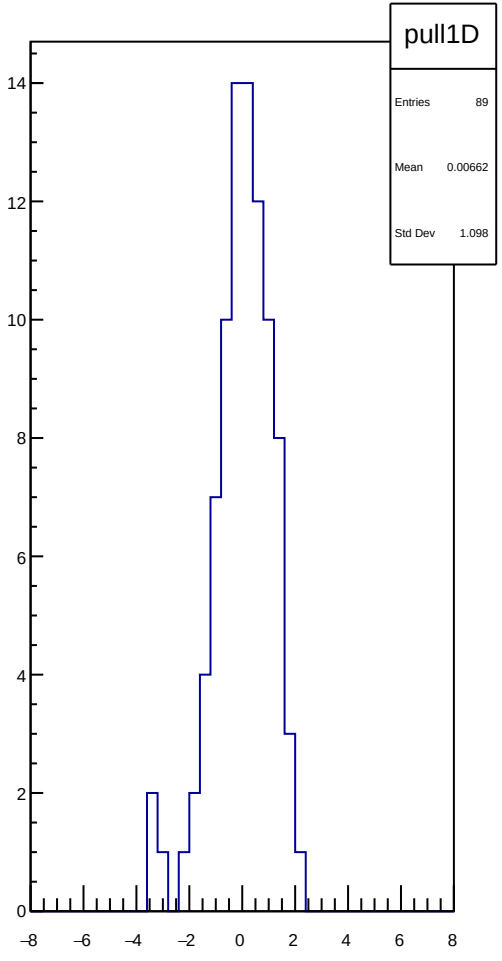

asym_sam1_correction_rms vs run
χ^2 / ndf 9361 / 88
p0 457 ± 0.3501
580
560
540
520
500
480
460
440
420
400
380

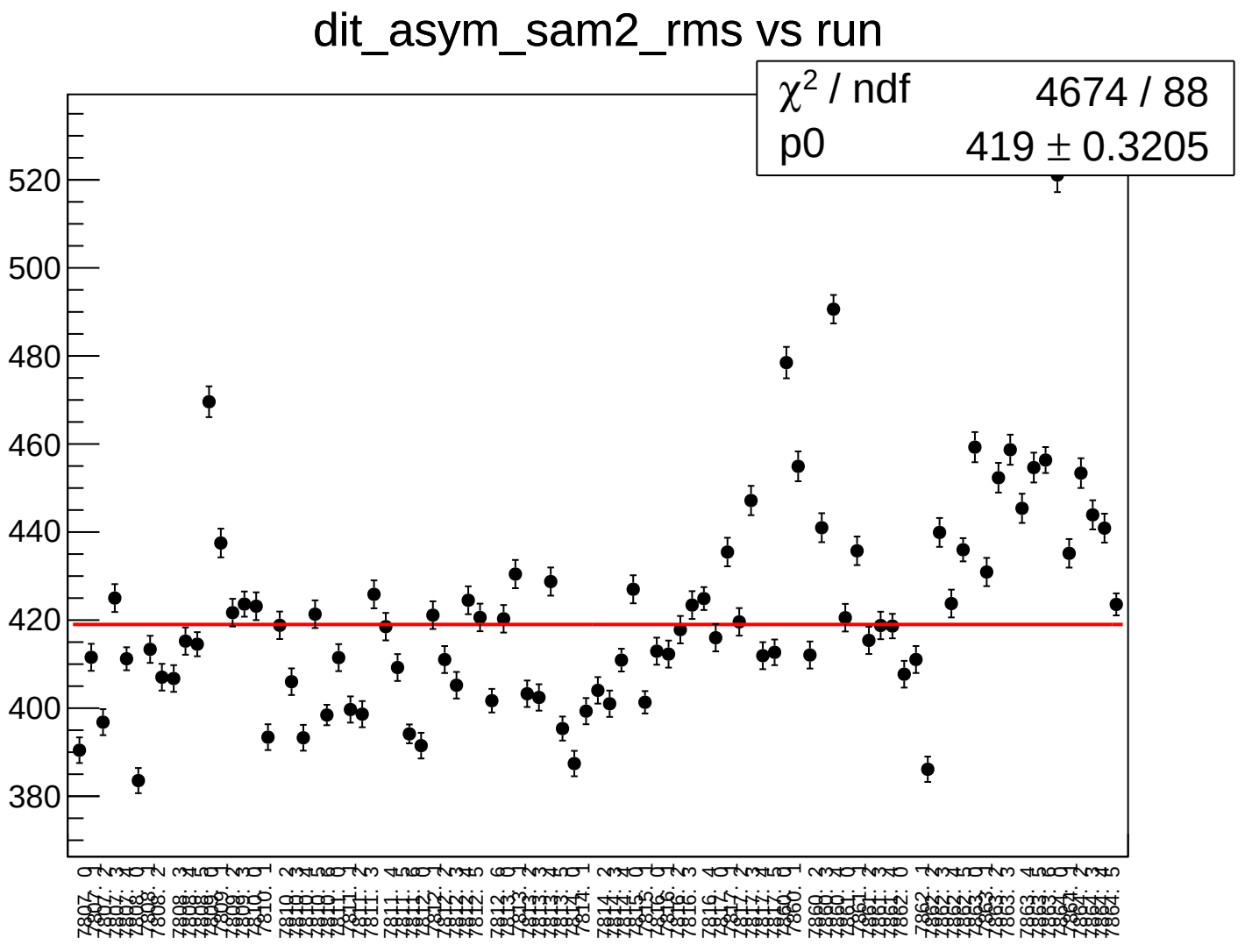

asym_sam1_mean vs run
χ² / ndf 90.8 / 88
p0 −43.94 ± 492.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean −138.8
Std Dev 225
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

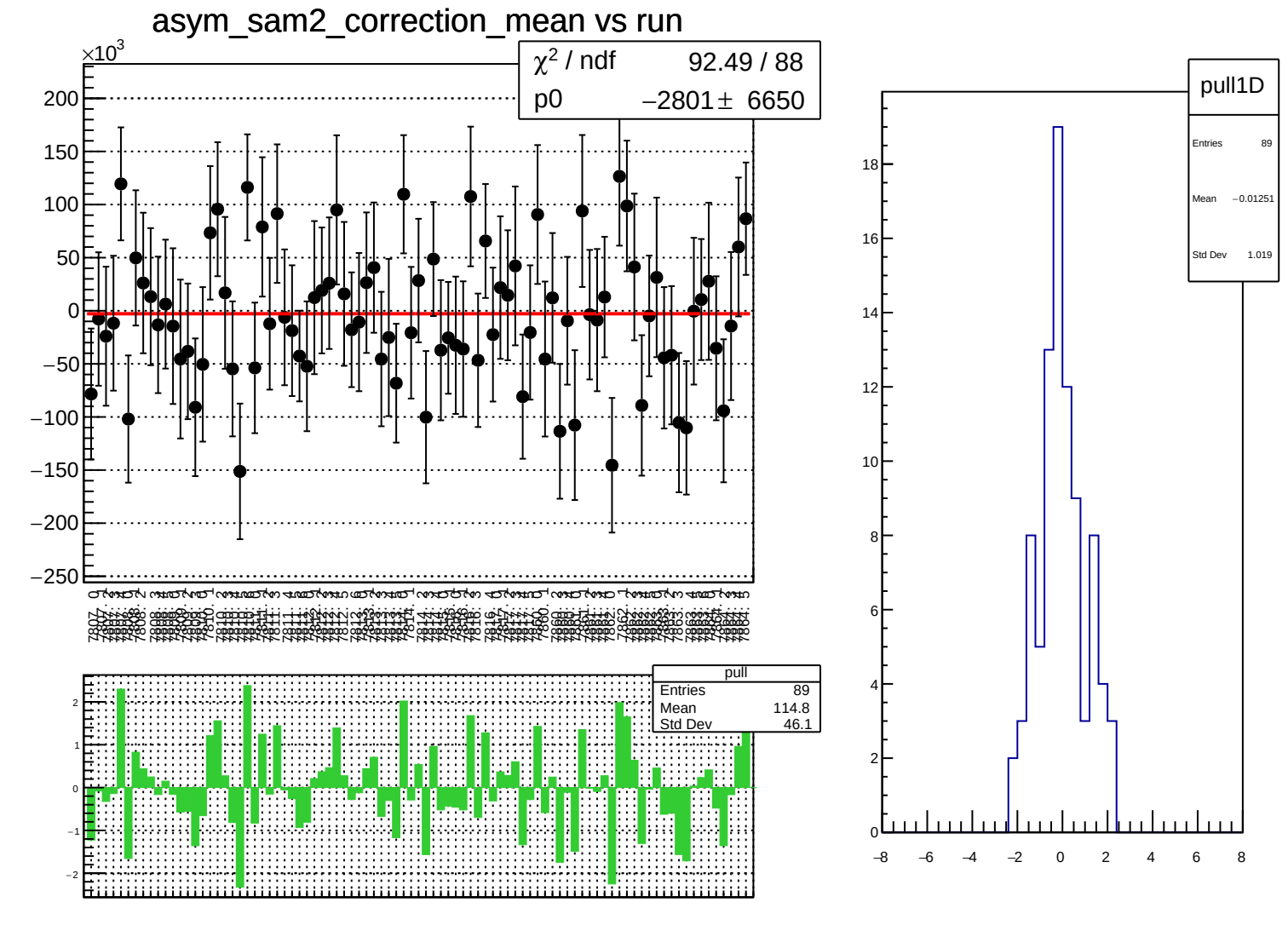

pull1D
Entries 89
Mean −0.001499
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

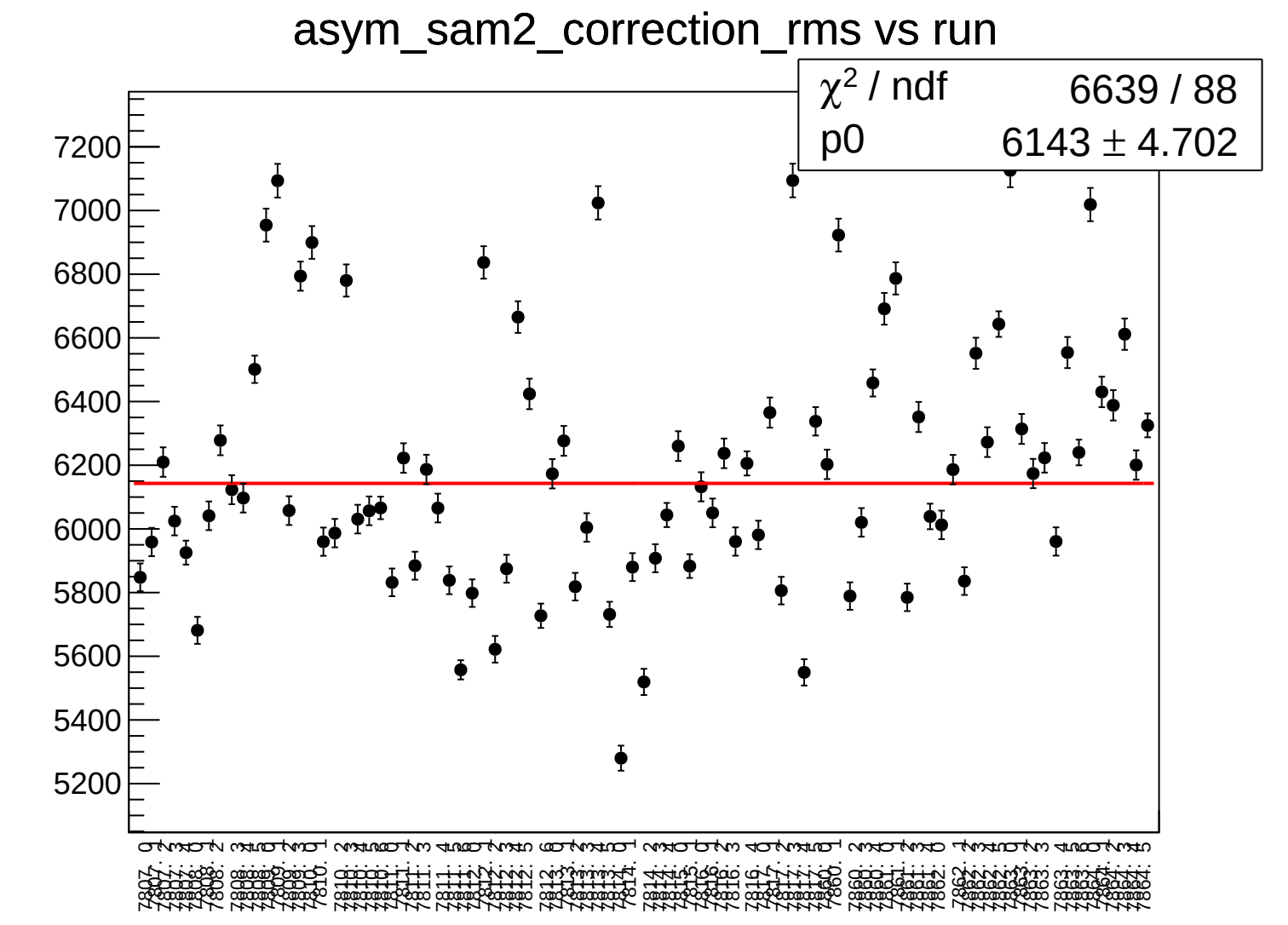

asym_sam1_rms vs run
χ² / ndf 9276 / 88
p0 454.9 ± 0.3484
580
560
540
520
500
480
460
440
420
400
380

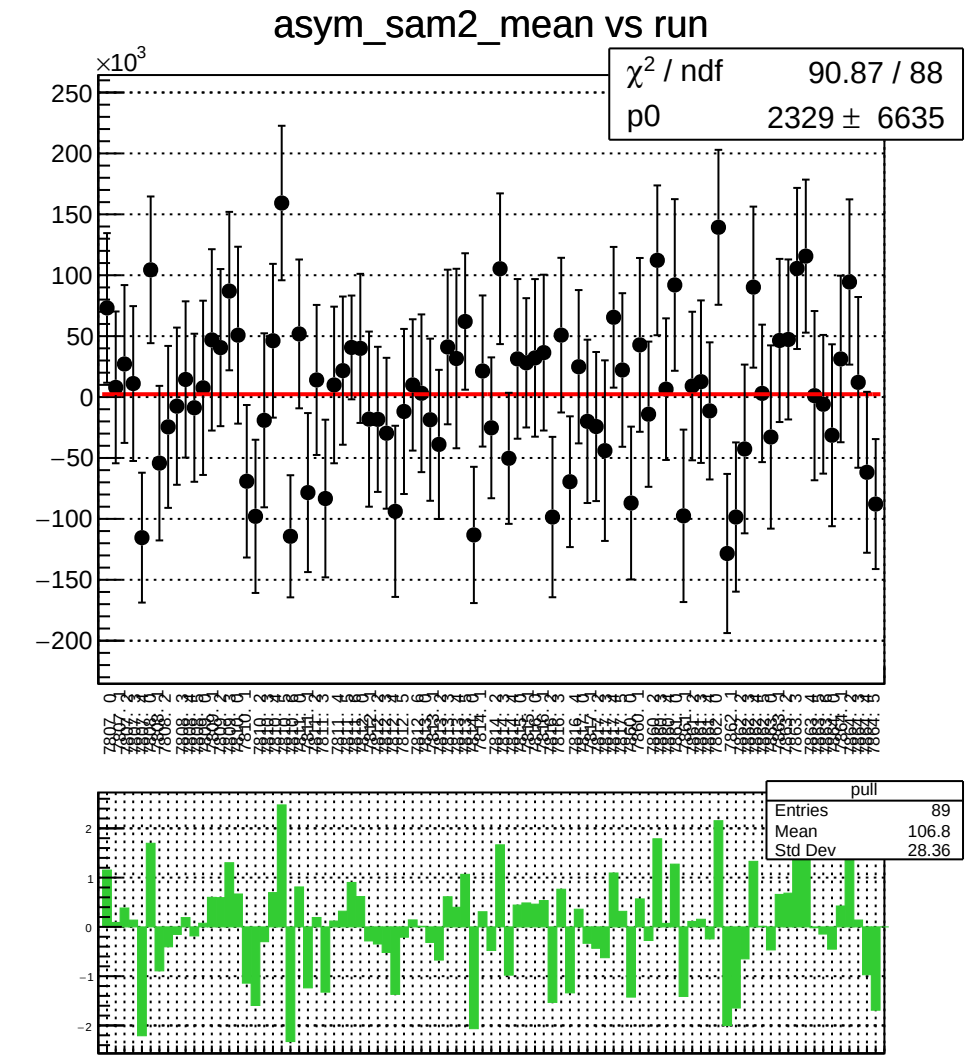

dit_asym_sam2_mean vs run
χ² / ndf 107.3 / 88
p0 −524.8 ± 453.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 89
Mean −181.4
Std Dev 209.4
2
1
0
−1
−2
−3

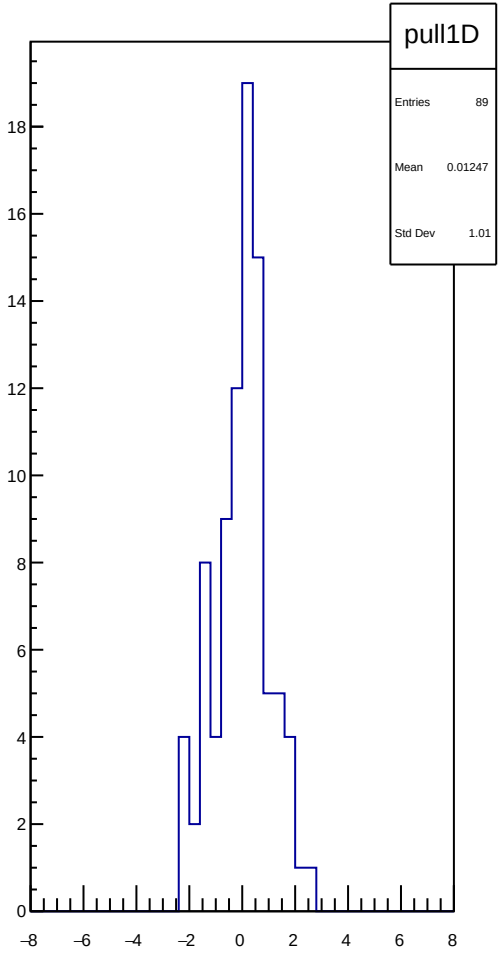

pull1D
Entries 89
Mean 0.00662
Std Dev 1.098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

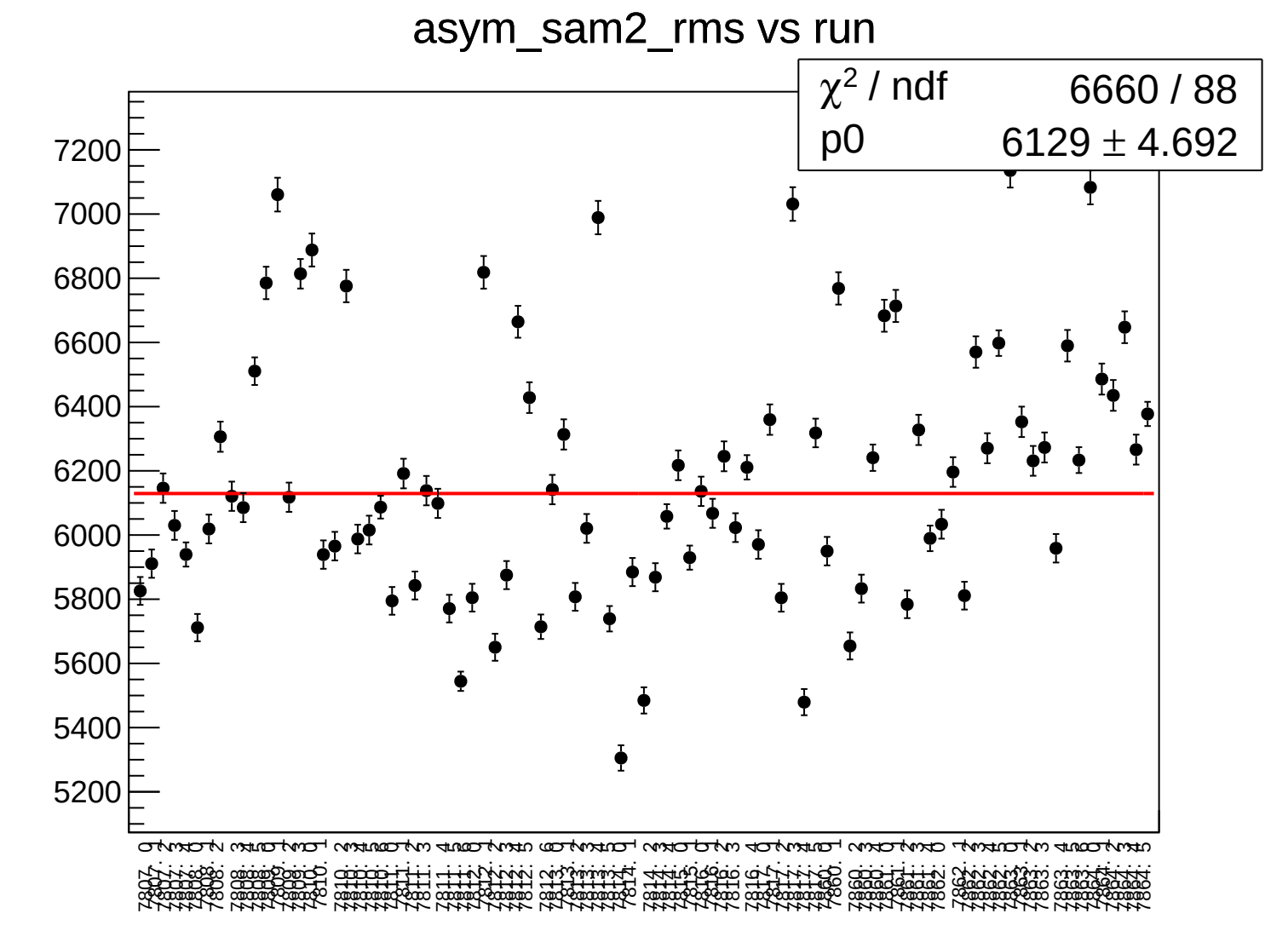

dit_asym_sam2_rms vs run
χ^2 / ndf 4674 / 88
p0 419 ± 0.3205
520
500
480
460
440
420
400
380

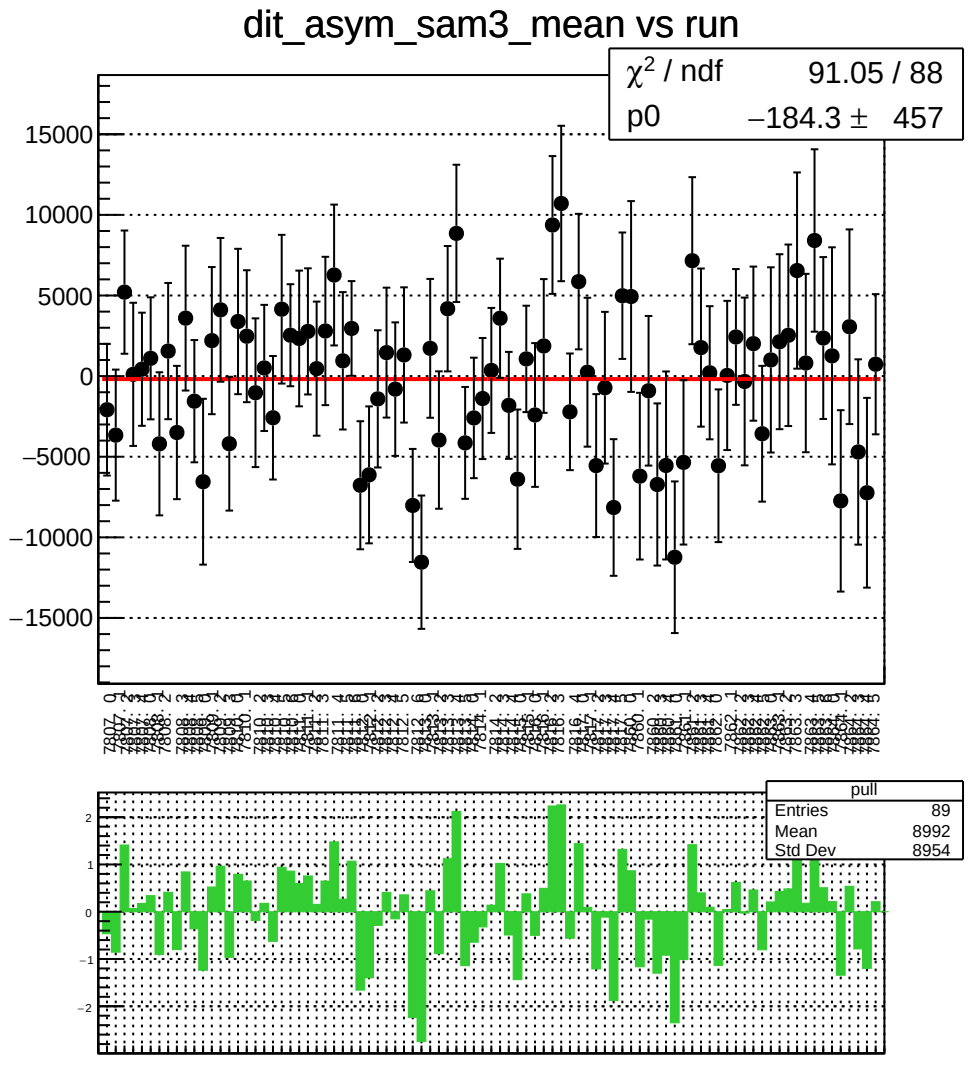

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 92.49 / 88
p0 −2801 ± 6650
pull
Entries 89
Mean 114.8
Std Dev 46.1
pull1D
Entries 89
Mean −0.01251
Std Dev 1.019

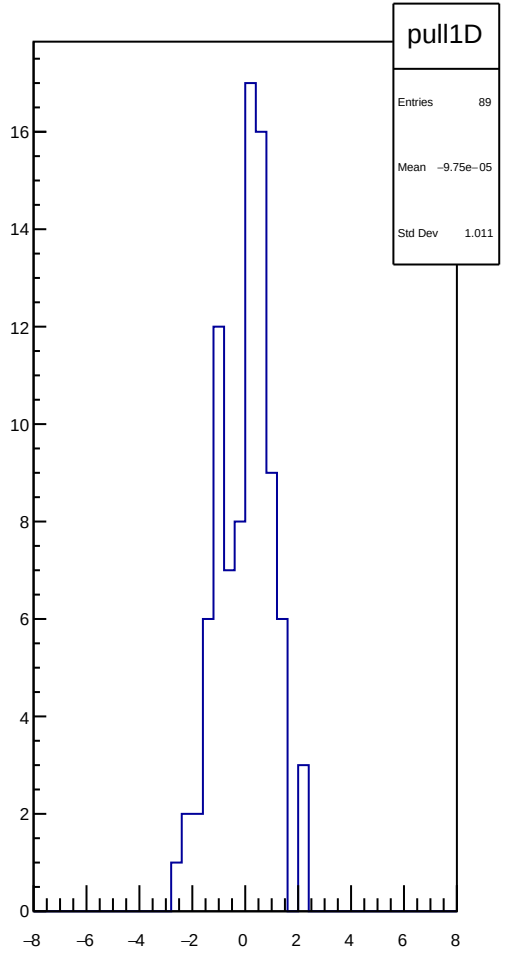

asym_sam2_correction_rms vs run
χ² / ndf 6639 / 88
p0 6143 ± 4.702
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

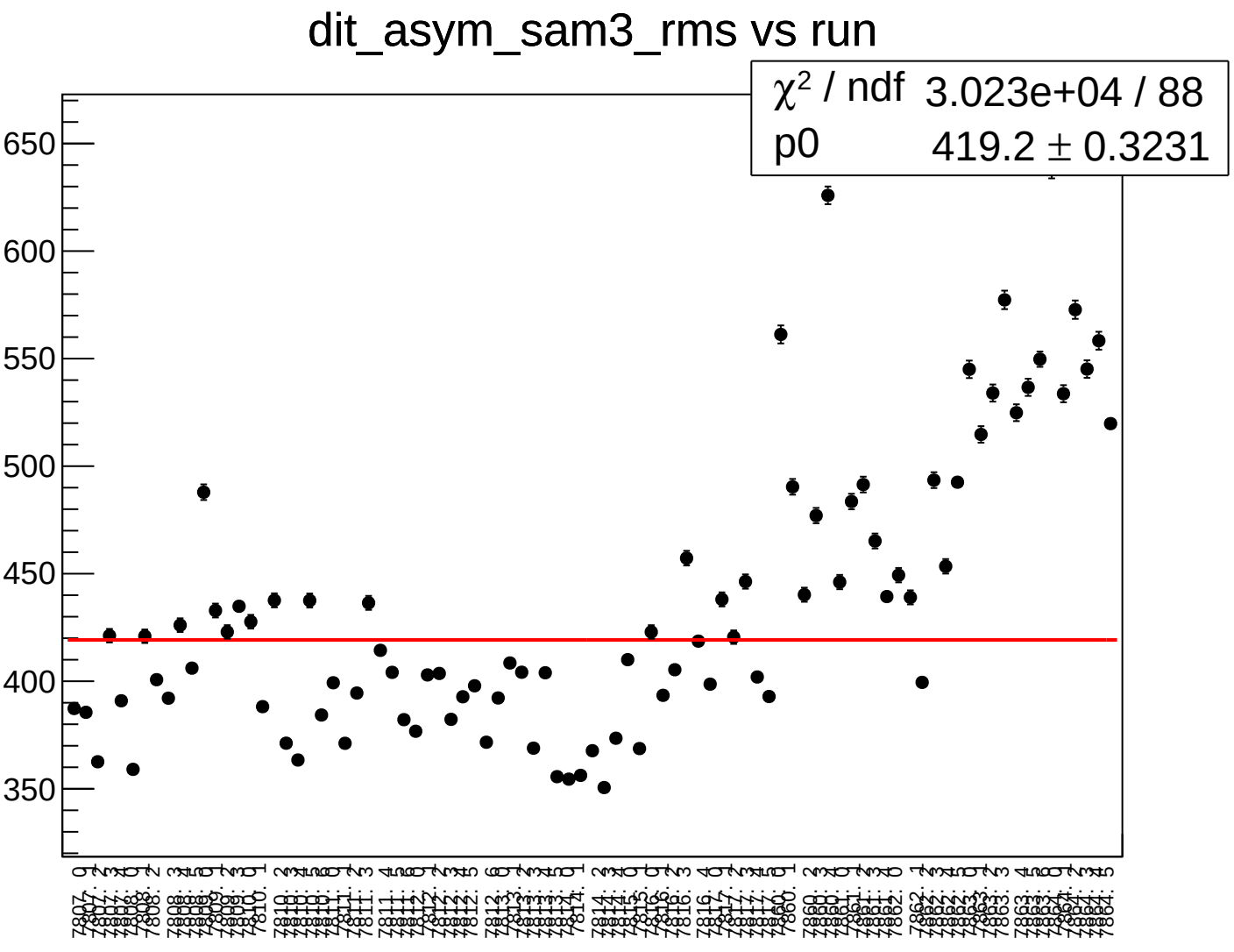

asym_sam2_mean vs run
×10^3
χ^2 / ndf 90.87 / 88
p0 2329 ± 6635
pull
Entries 89
Mean 106.8
Std Dev 28.36

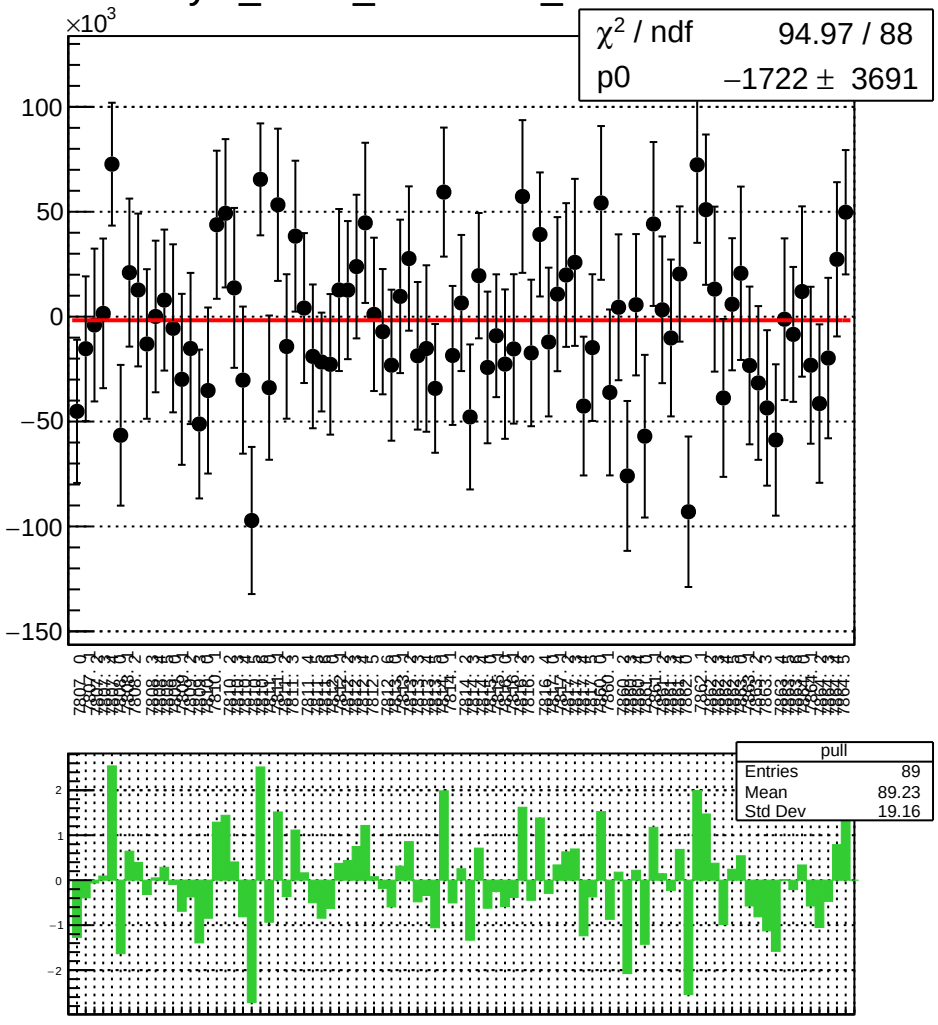

pull1D
Entries 89
Mean 0.01247
Std Dev 1.01

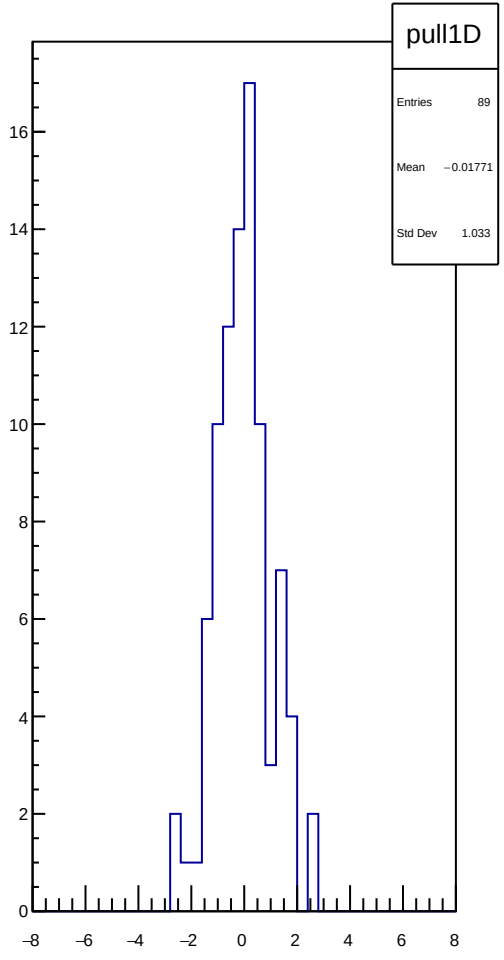

asym_sam2_rms vs run
χ² / ndf 6660 / 88
p0 6129 ± 4.692
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

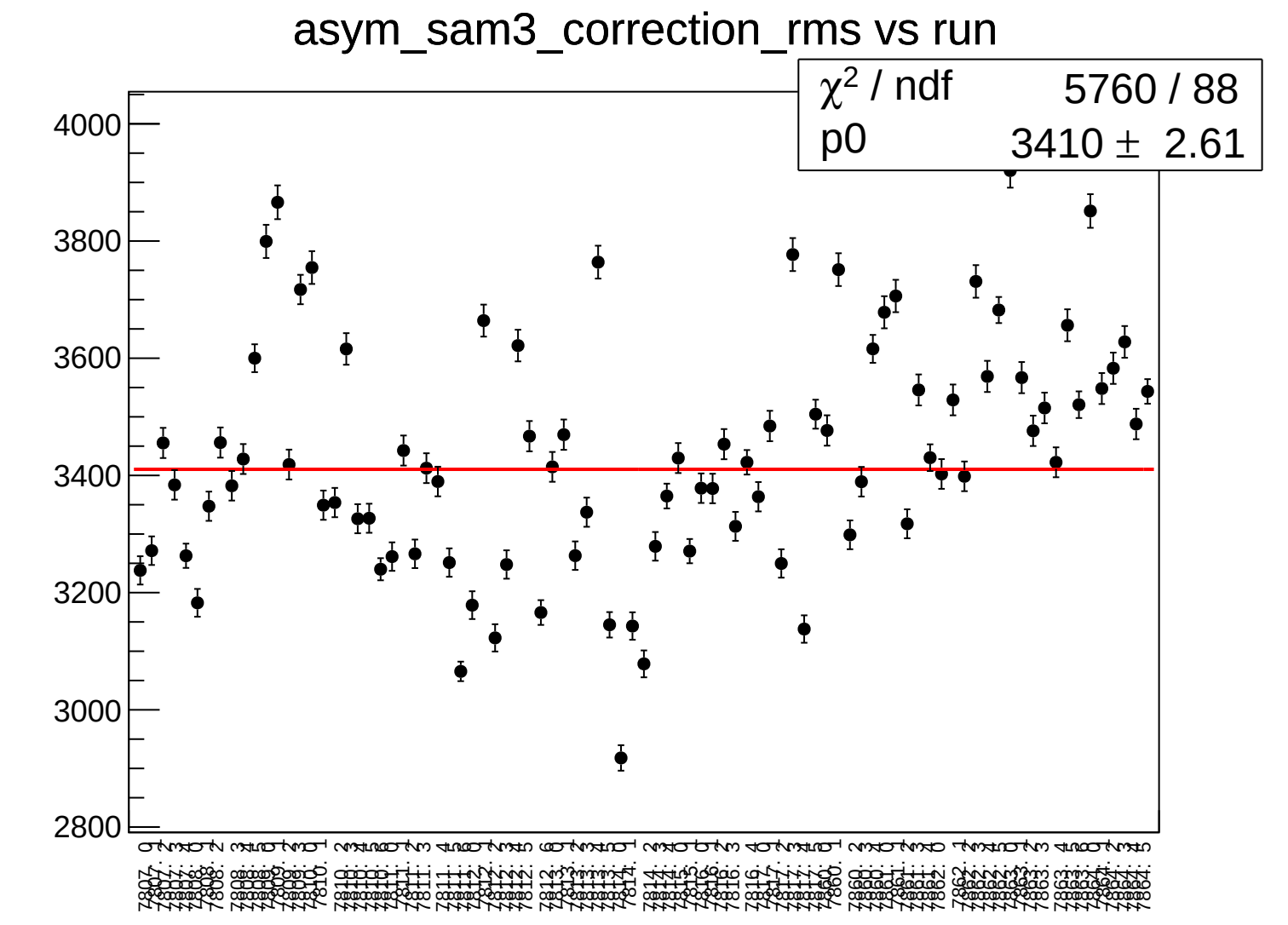

dit_asym_sam3_mean vs run
χ² / ndf 91.05 / 88
p0 −184.3 ± 457
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 8992
Std Dev 8954
2
1
0
−1
−2

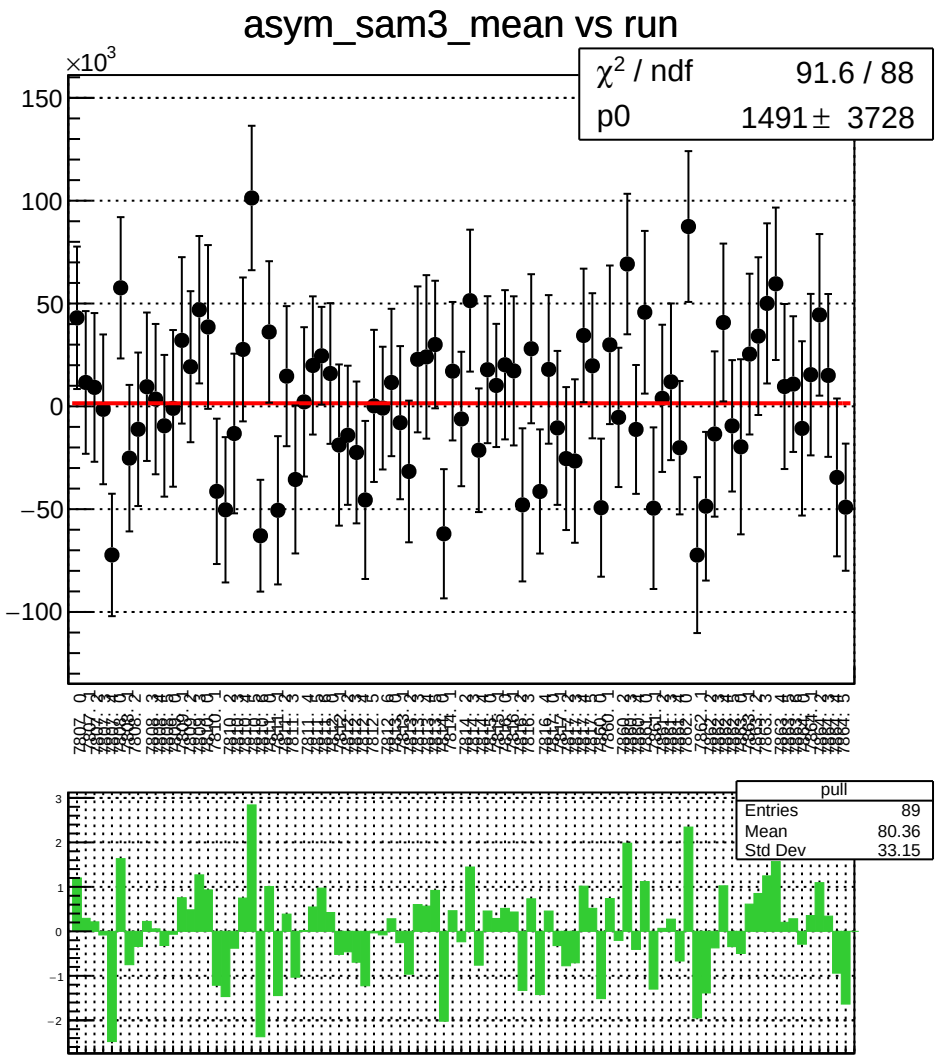

pull1D
Entries 89
Mean −9.75e−05
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

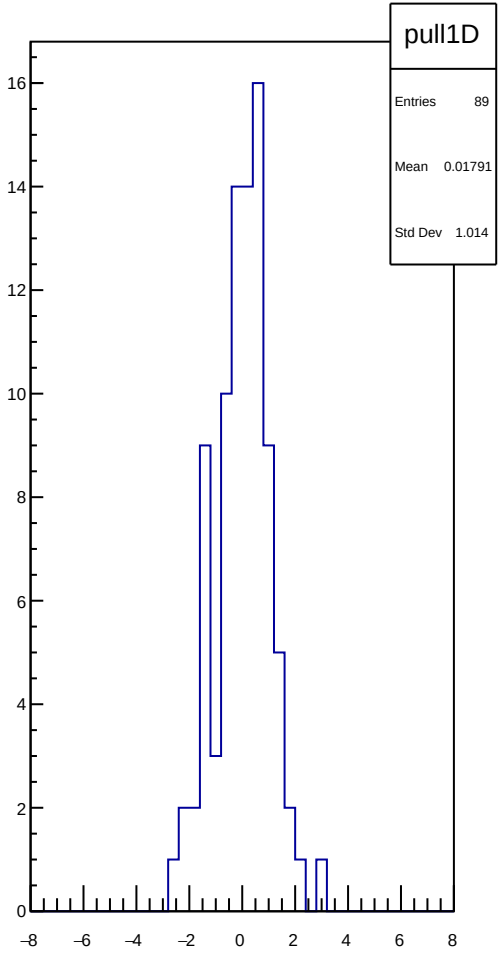

dit_asym_sam3_rms vs run
χ² / ndf 3.023e+04 / 88
p0 419.2 ± 0.3231
650
600
550
500
450
400
350

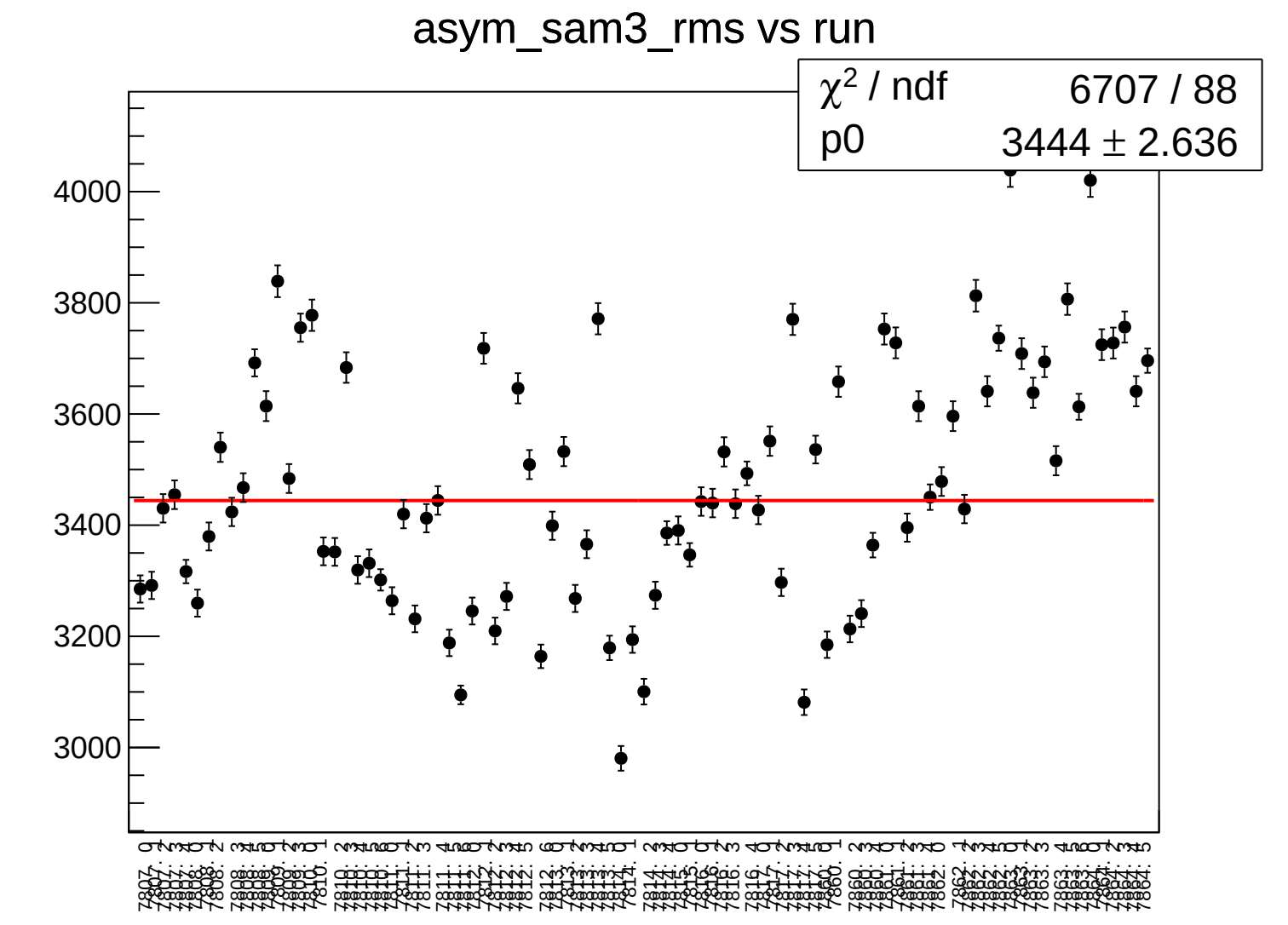

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 94.97 / 88
p0 −1722 ± 3691
100
50
0
−50
−100
−150
pull
Entries 89
Mean 89.23
Std Dev 19.16
2
1
0
−1

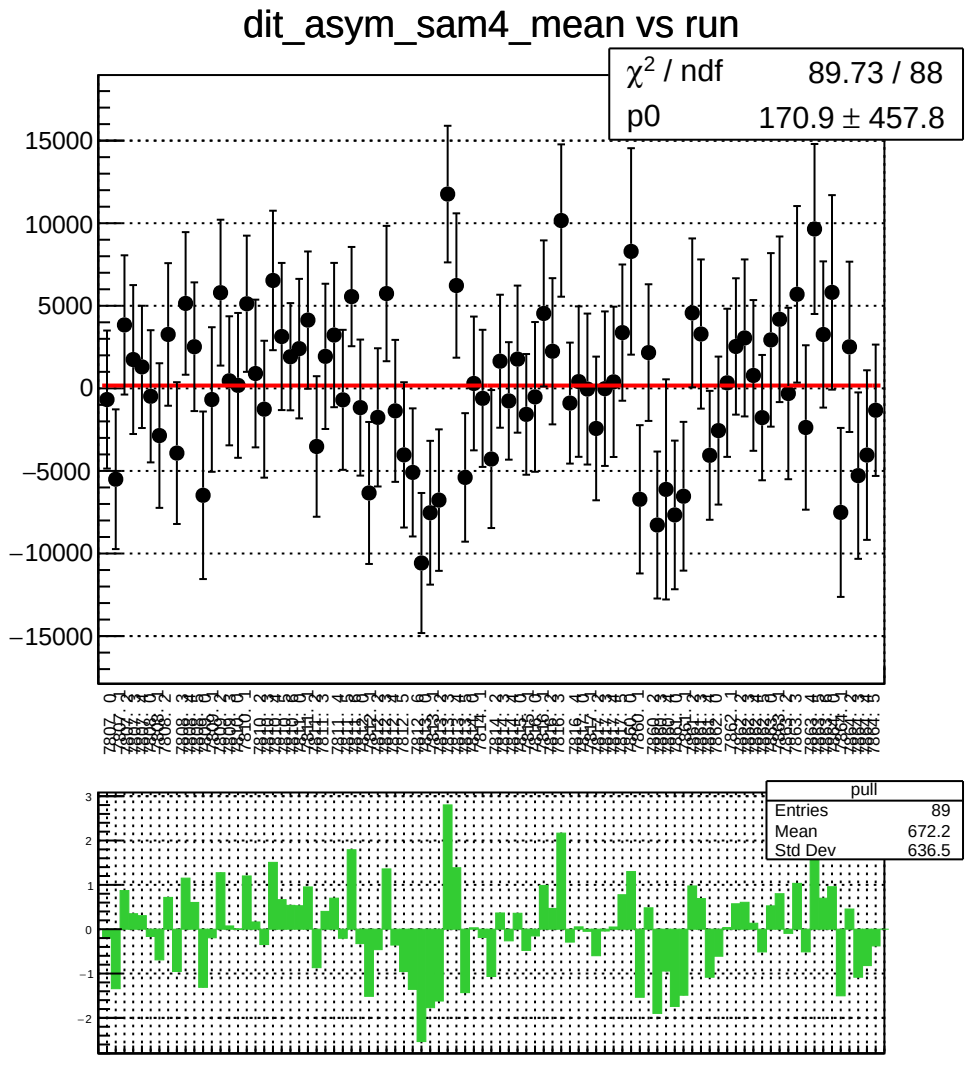

pull1D
Entries 89
Mean −0.01771
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

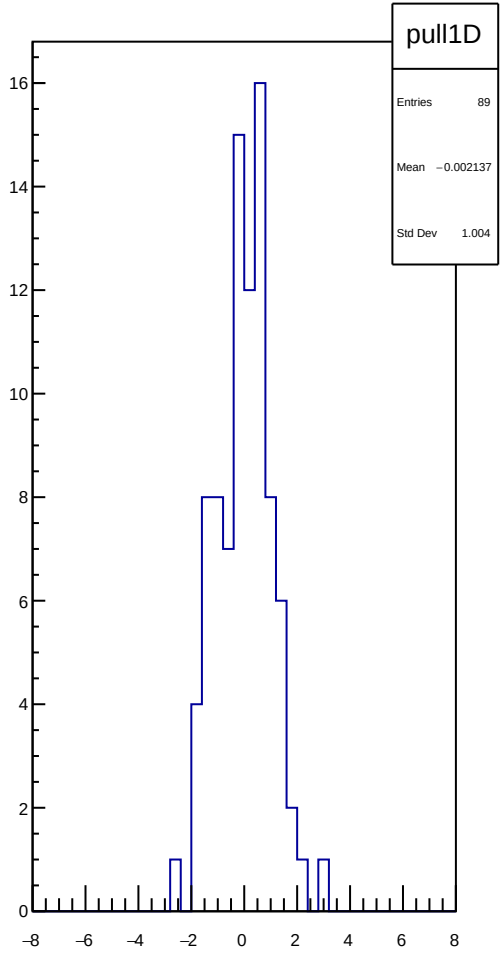

asym_sam3_correction_rms vs run
χ² / ndf 5760 / 88
p0 3410 ± 2.61
4000
3800
3600
3400
3200
3000
2800

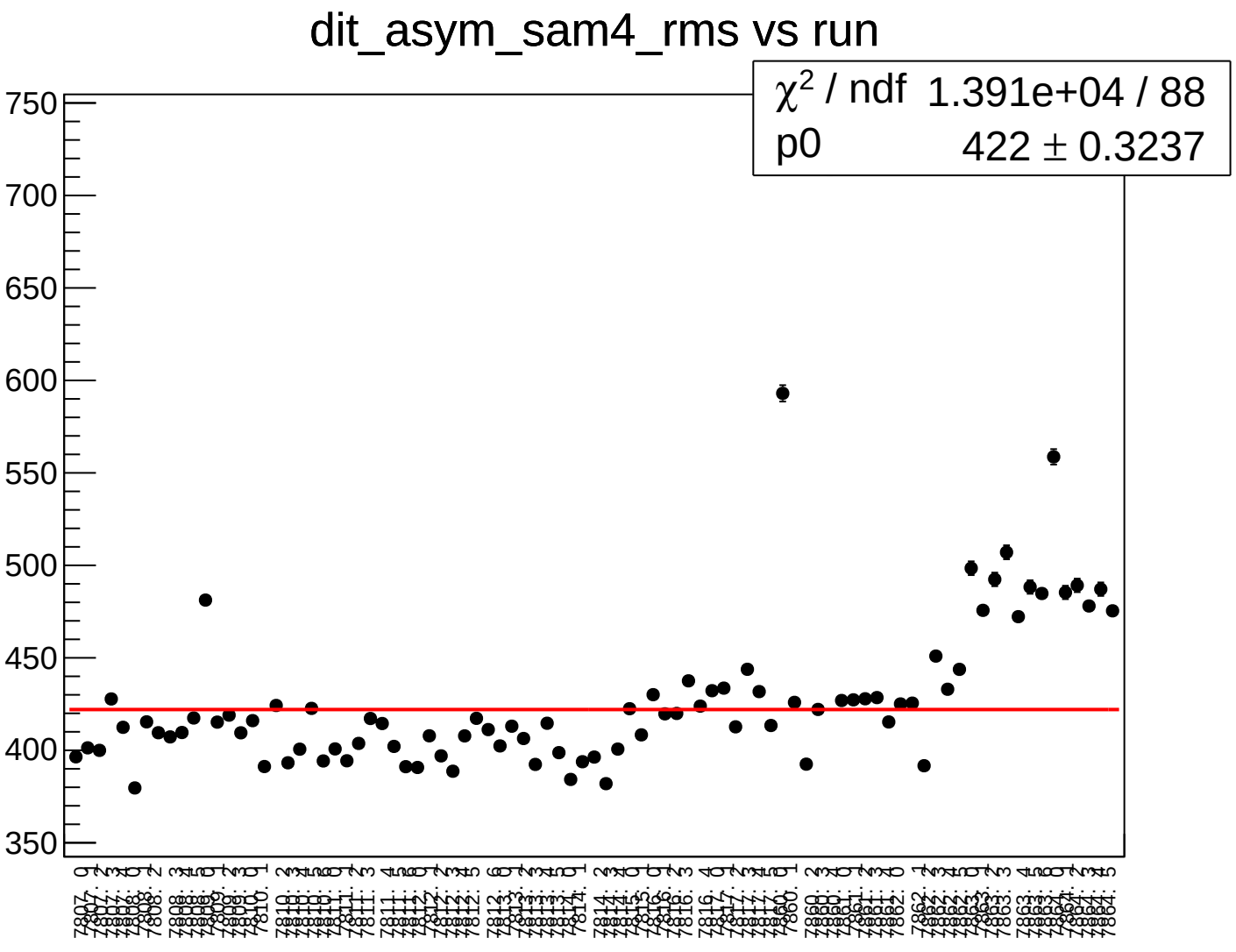

asym_sam3_mean vs run
×10^3
χ² / ndf 91.6 / 88
p0 1491 ± 3728
150
100
50
0
−50
−100
pull
Entries 89
Mean 80.36
Std Dev 33.15
3
2
1
0
−1
−2

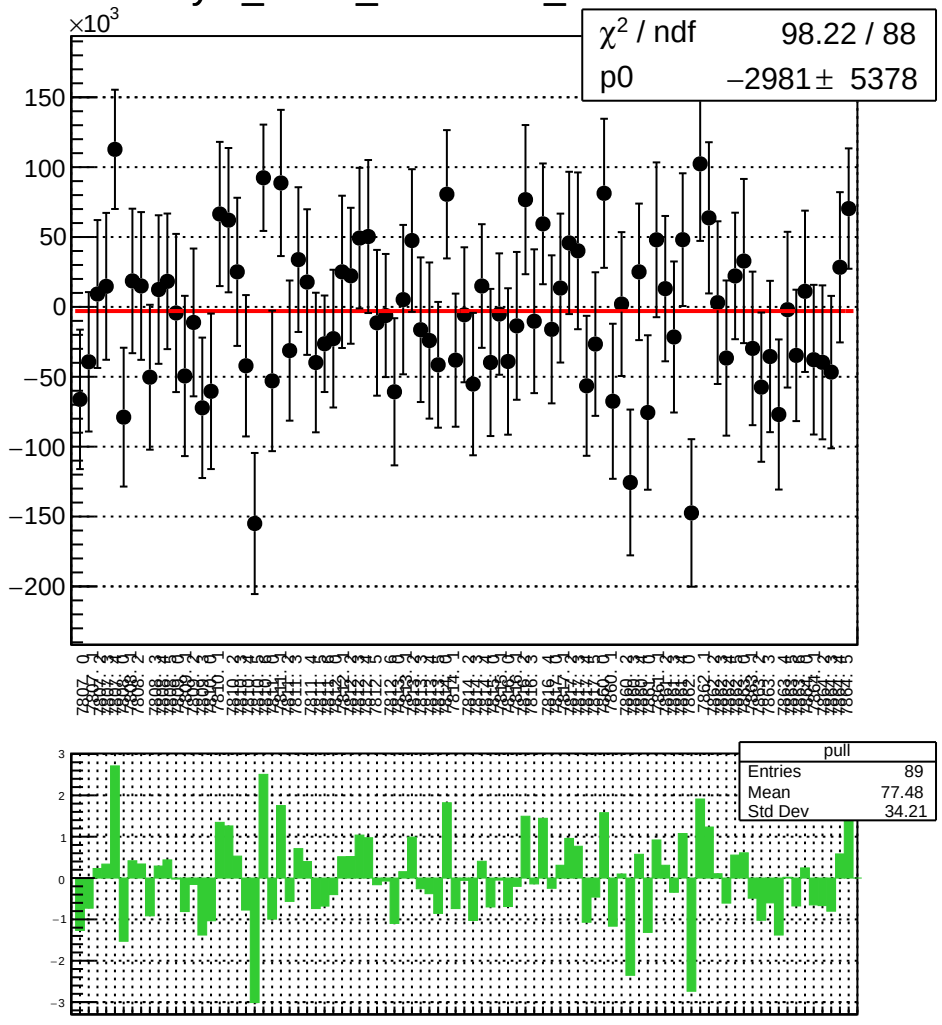

pull1D
Entries 89
Mean 0.01791
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

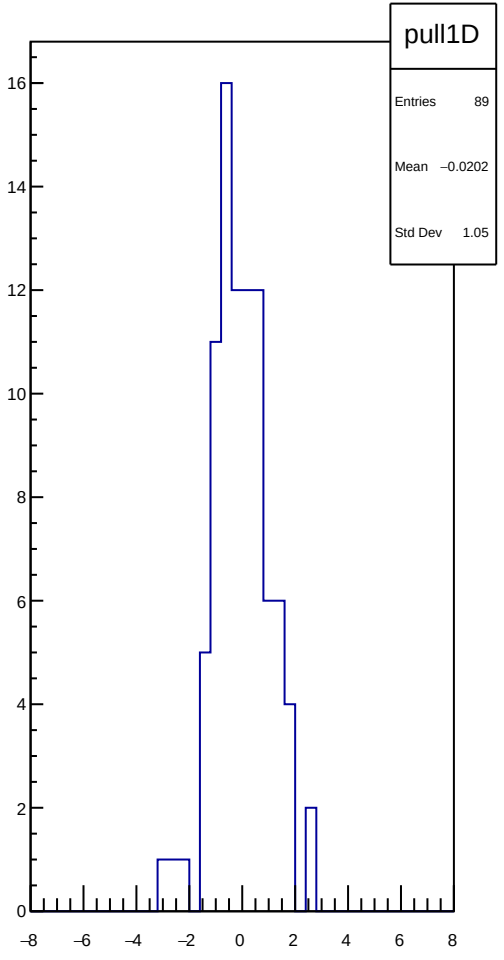

asym_sam3_rms vs run
χ² / ndf 6707 / 88
p0 3444 ± 2.636
4000
3800
3600
3400
3200
3000

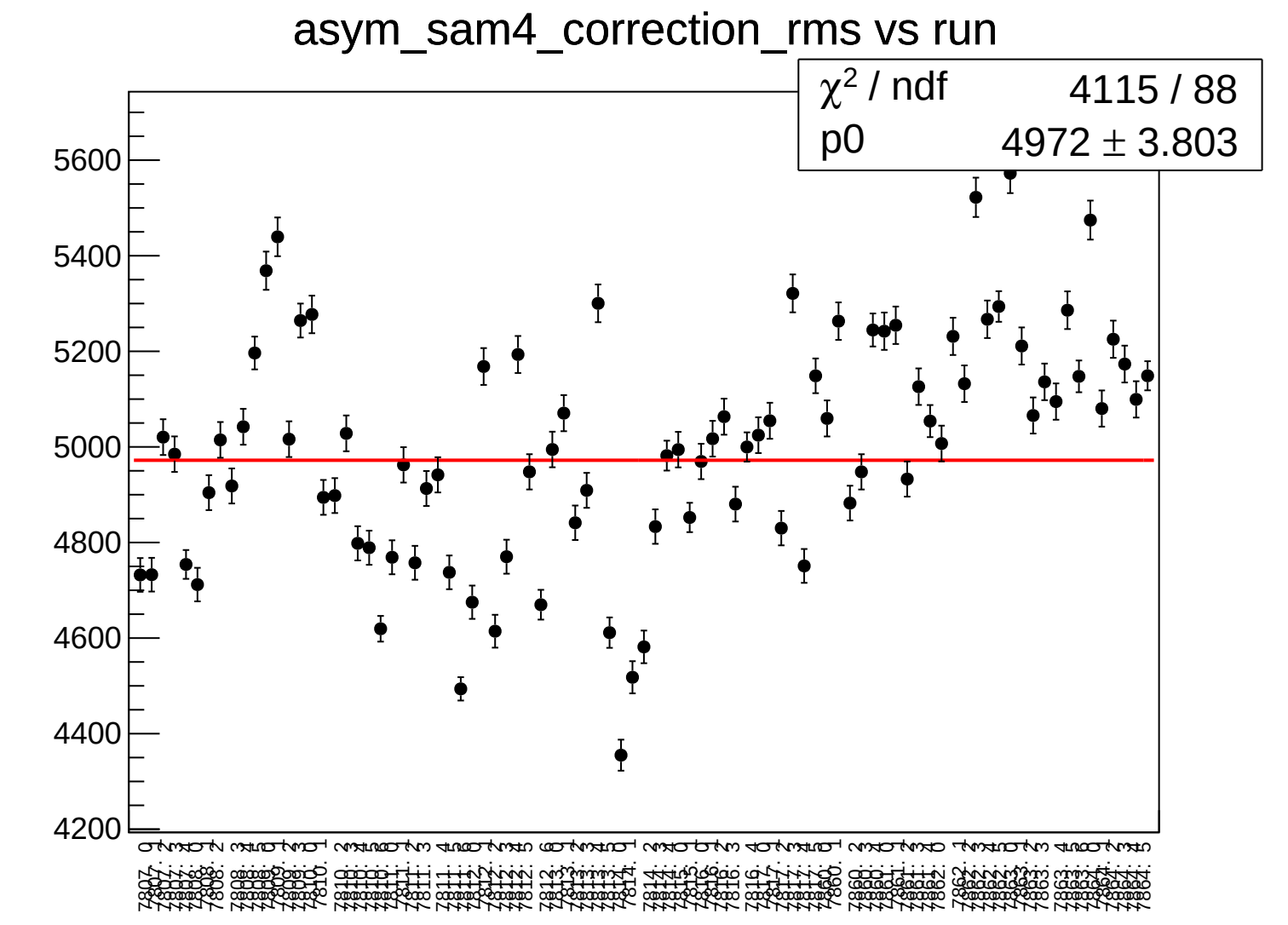

dit_asym_sam4_mean vs run
χ² / ndf 89.73 / 88
p0 170.9 ± 457.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 672.2
Std Dev 636.5
3
2
1
0
−1
−2

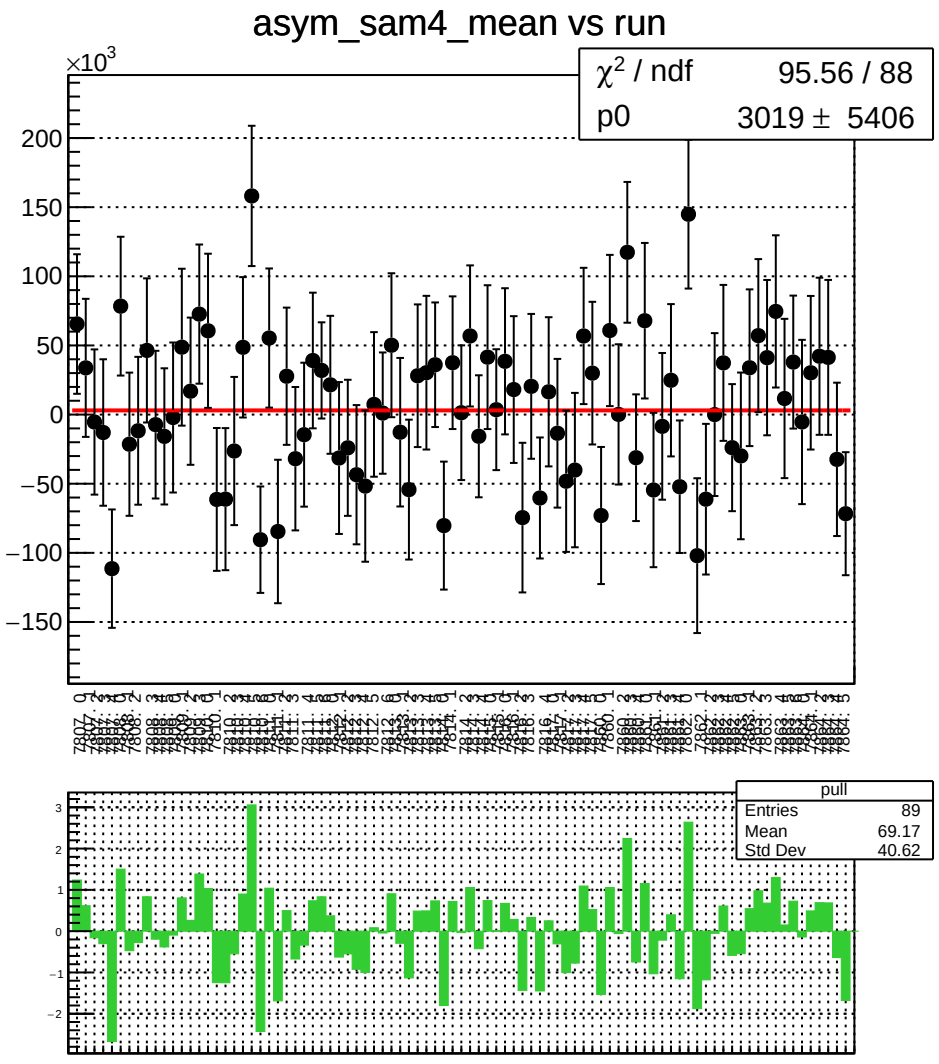

pull1D
Entries 89
Mean −0.002137
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

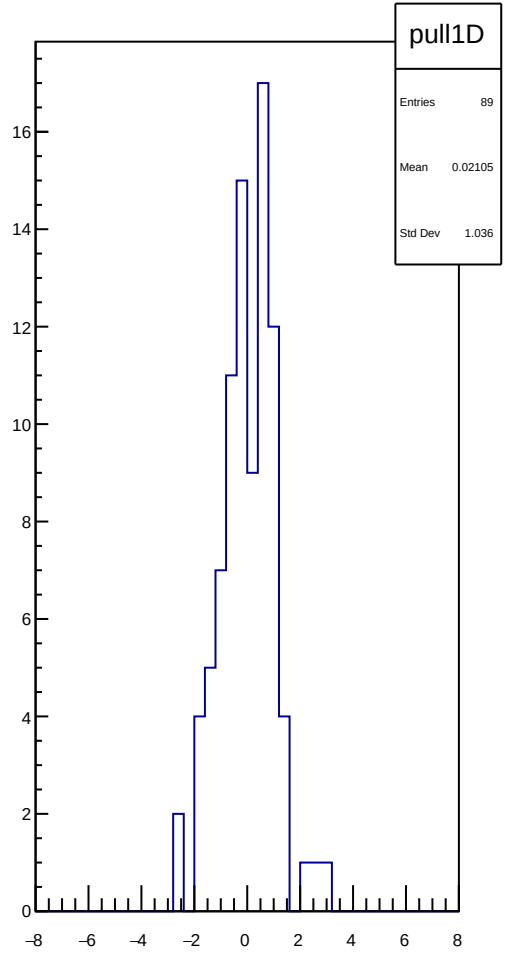

dit_asym_sam4_rms vs run
χ² / ndf 1.391e+04 / 88
p0 422 ± 0.3237
750
700
650
600
550
500
450
400
350

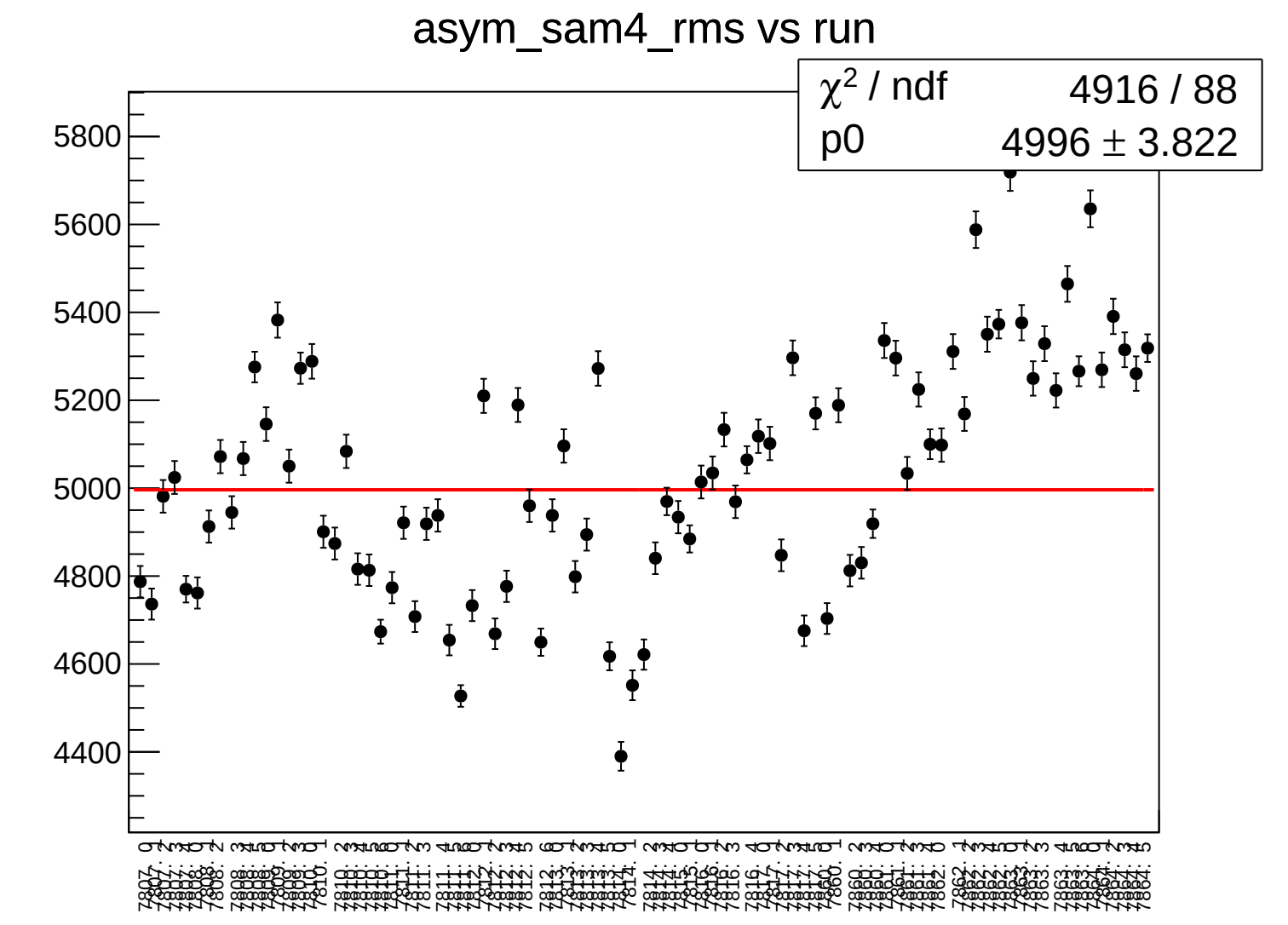

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 98.22 / 88
p0 −2981 ± 5378
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 77.48
Std Dev 34.21
3
2
1
0
−1
−2
−3

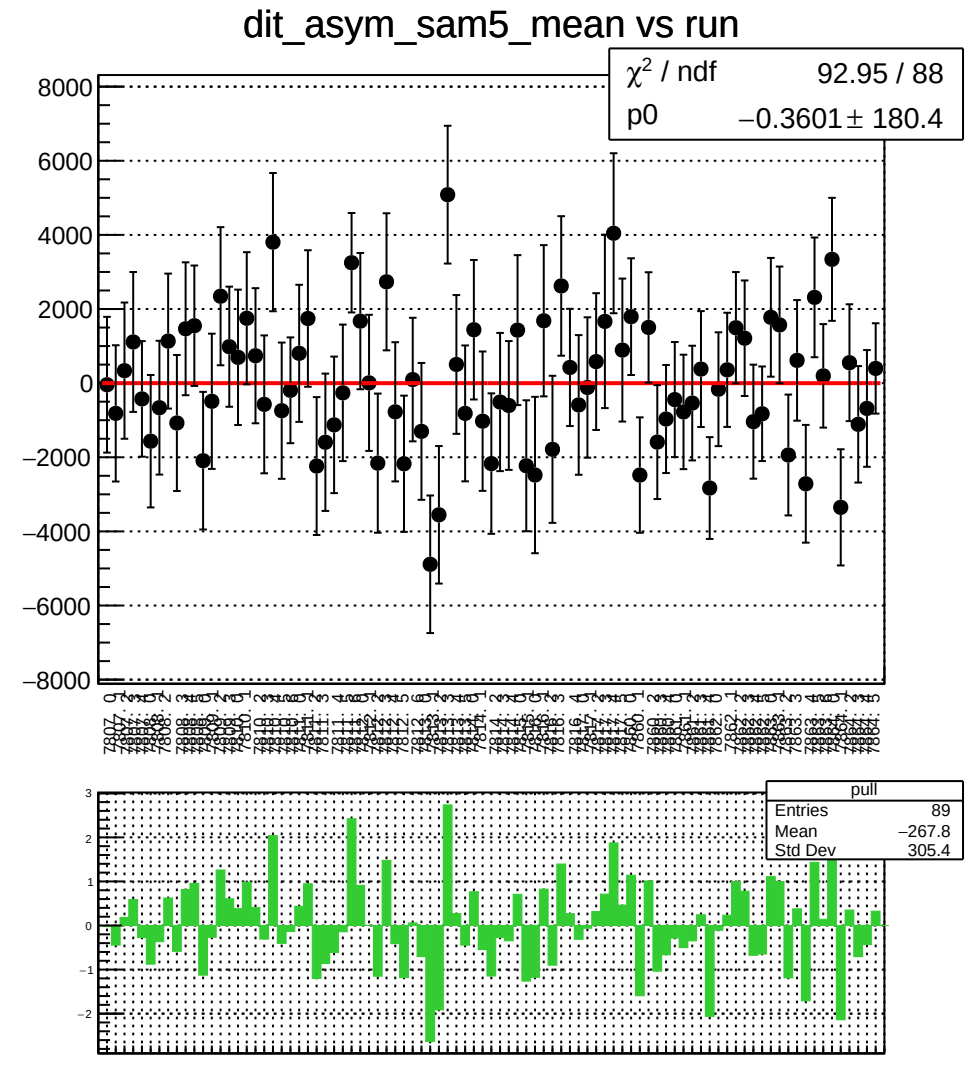

pull1D
Entries 89
Mean −0.0202
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

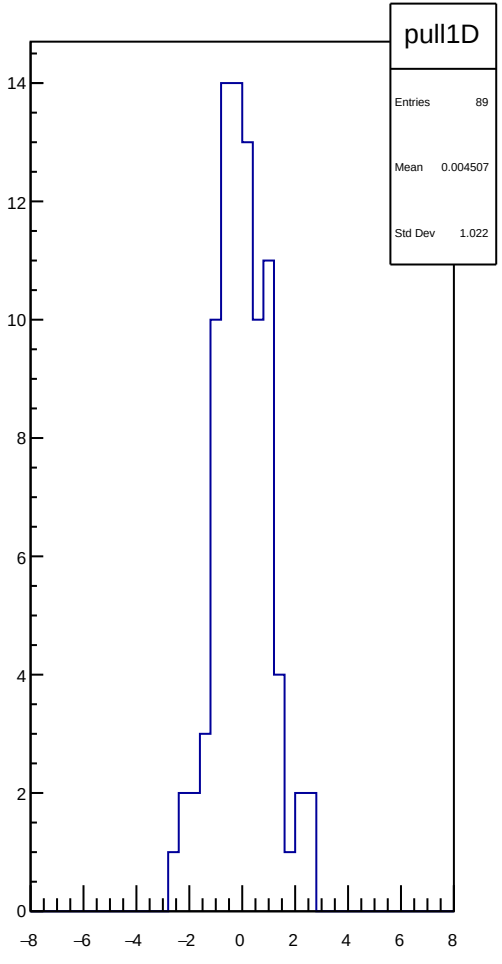

asym_sam4_correction_rms vs run
χ² / ndf 4115 / 88
p0 4972 ± 3.803
5600
5400
5200
5000
4800
4600
4400
4200

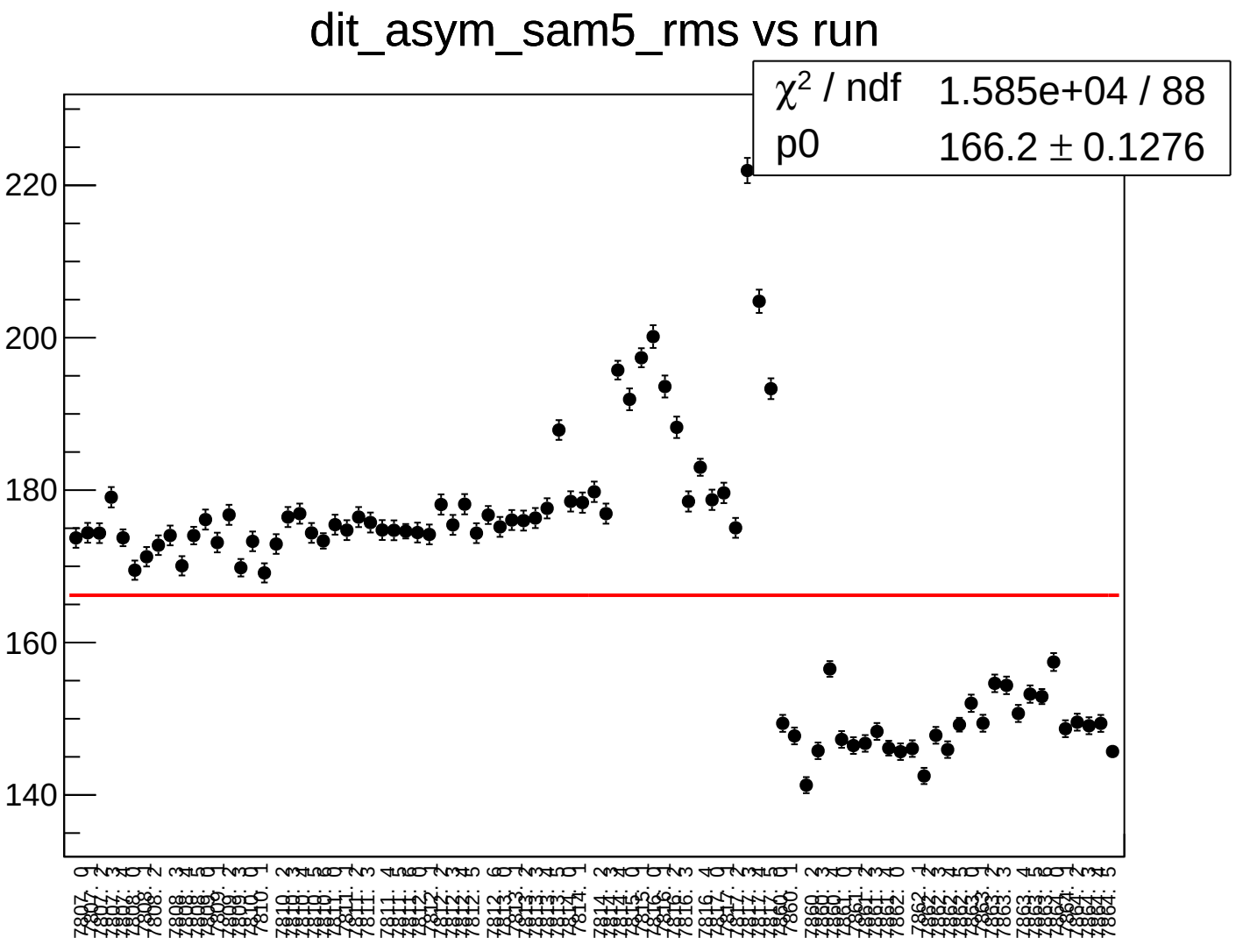

asym_sam4_mean vs run
×10^3
χ² / ndf 95.56 / 88
p0 3019 ± 5406
200
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 69.17
Std Dev 40.62
3
2
1
0
−1
−2

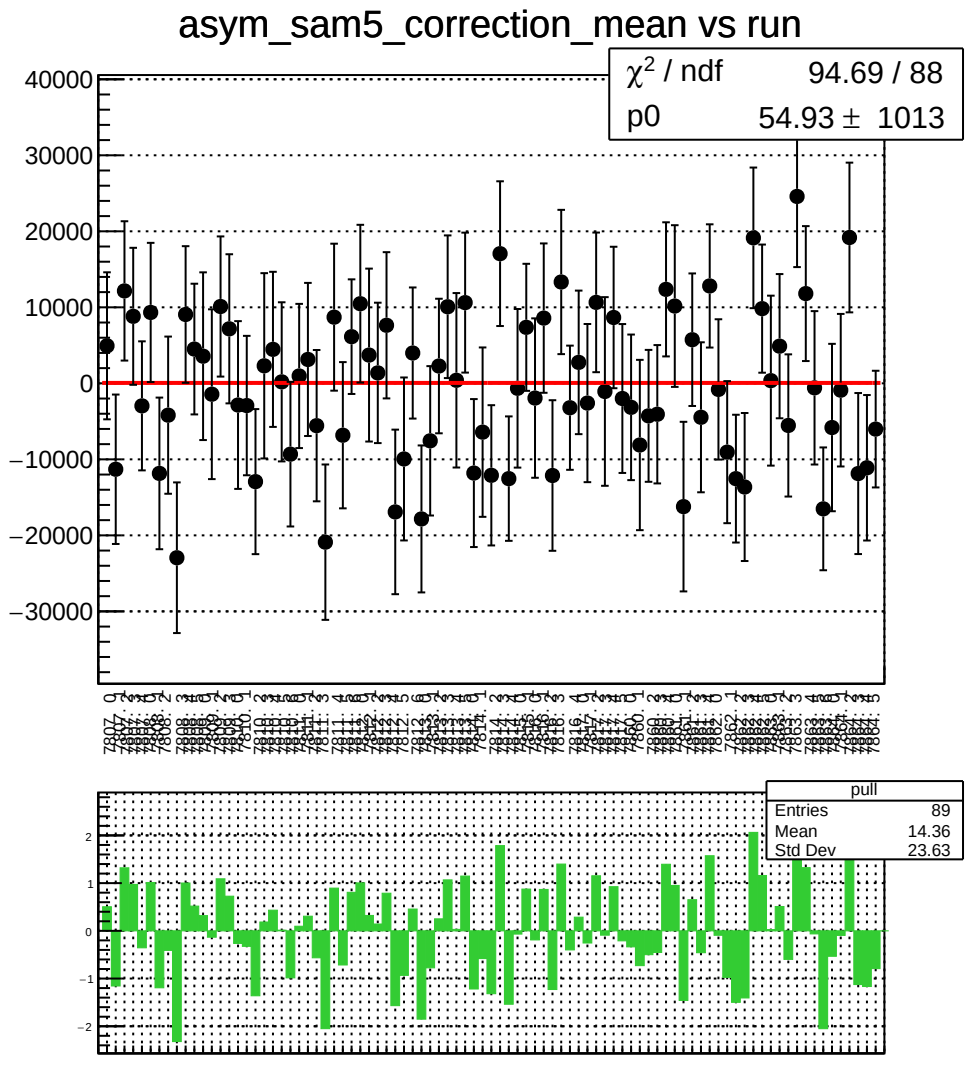

pull1D
Entries 89
Mean 0.02105
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

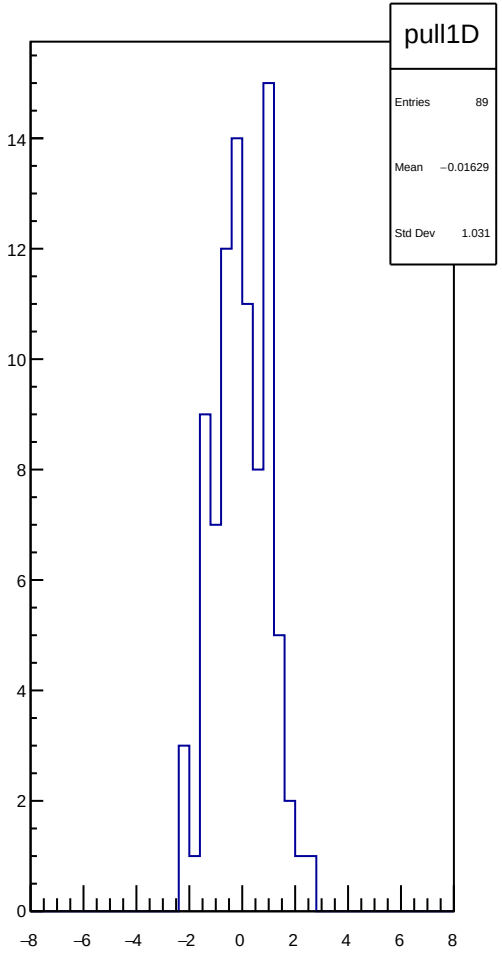

asym_sam4_rms vs run
χ² / ndf 4916 / 88
p0 4996 ± 3.822
5800
5600
5400
5200
5000
4800
4600
4400

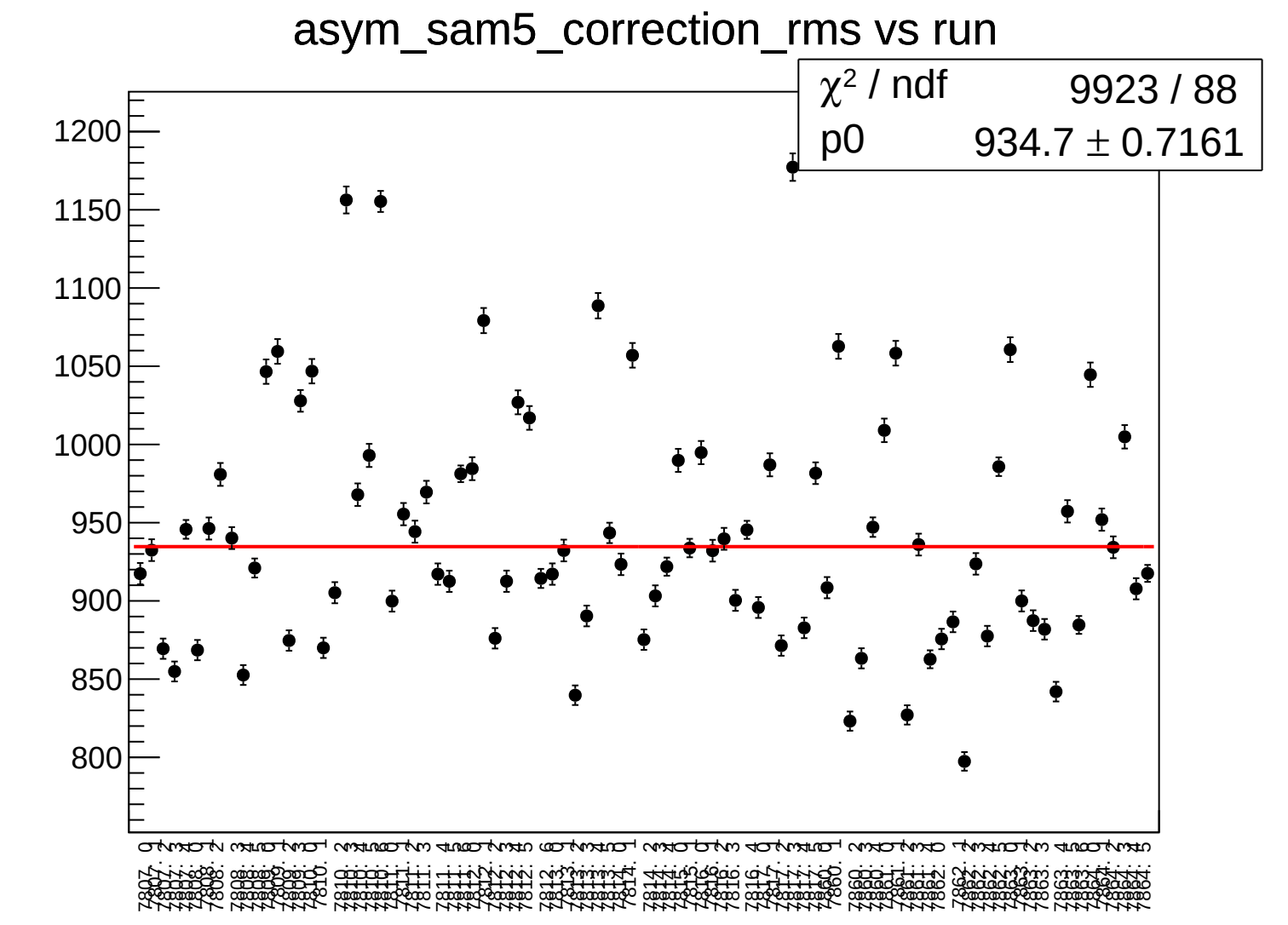

dit_asym_sam5_mean vs run
χ² / ndf 92.95 / 88
p0 −0.3601 ± 180.4
pull
Entries 89
Mean −267.8
Std Dev 305.4

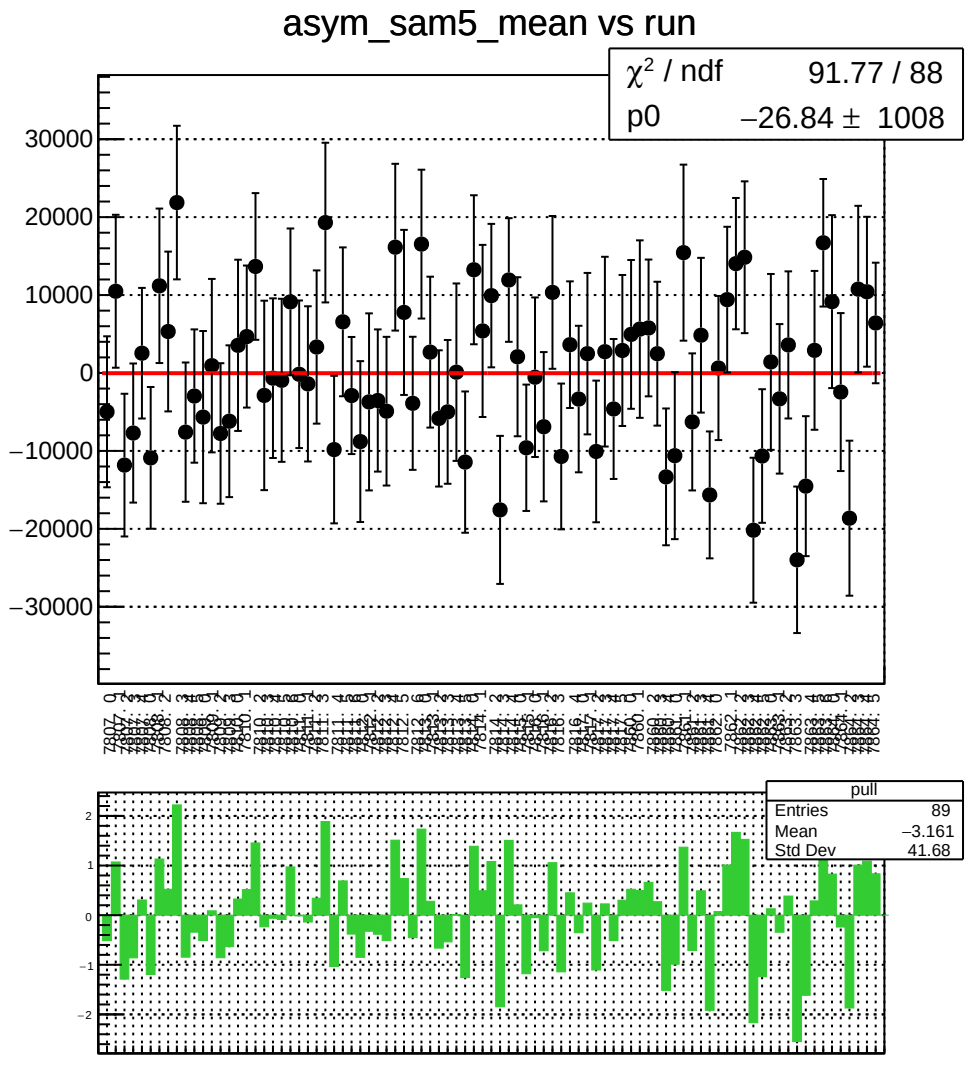

pull1D
Entries 89
Mean 0.004507
Std Dev 1.022

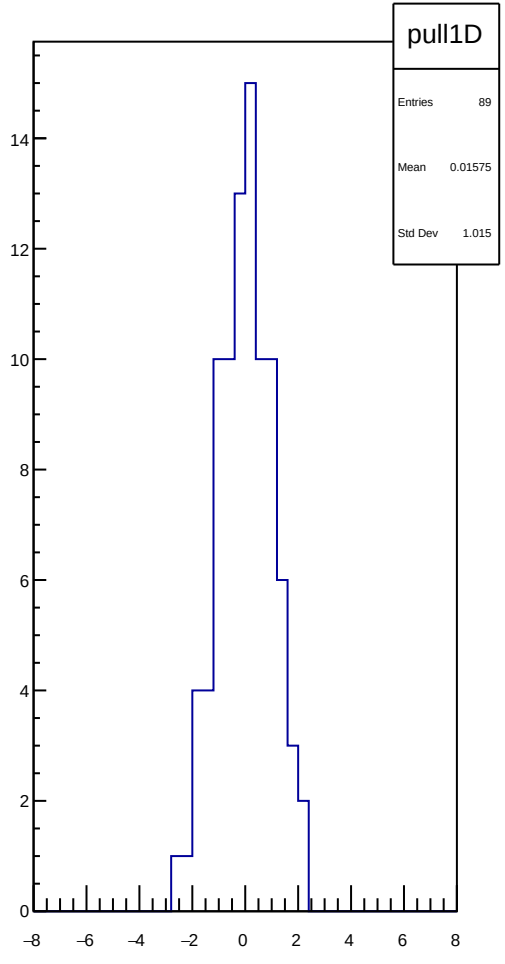

dit_asym_sam5_rms vs run
χ² / ndf 1.585e+04 / 88
p0 166.2 ± 0.1276
220
200
180
160
140

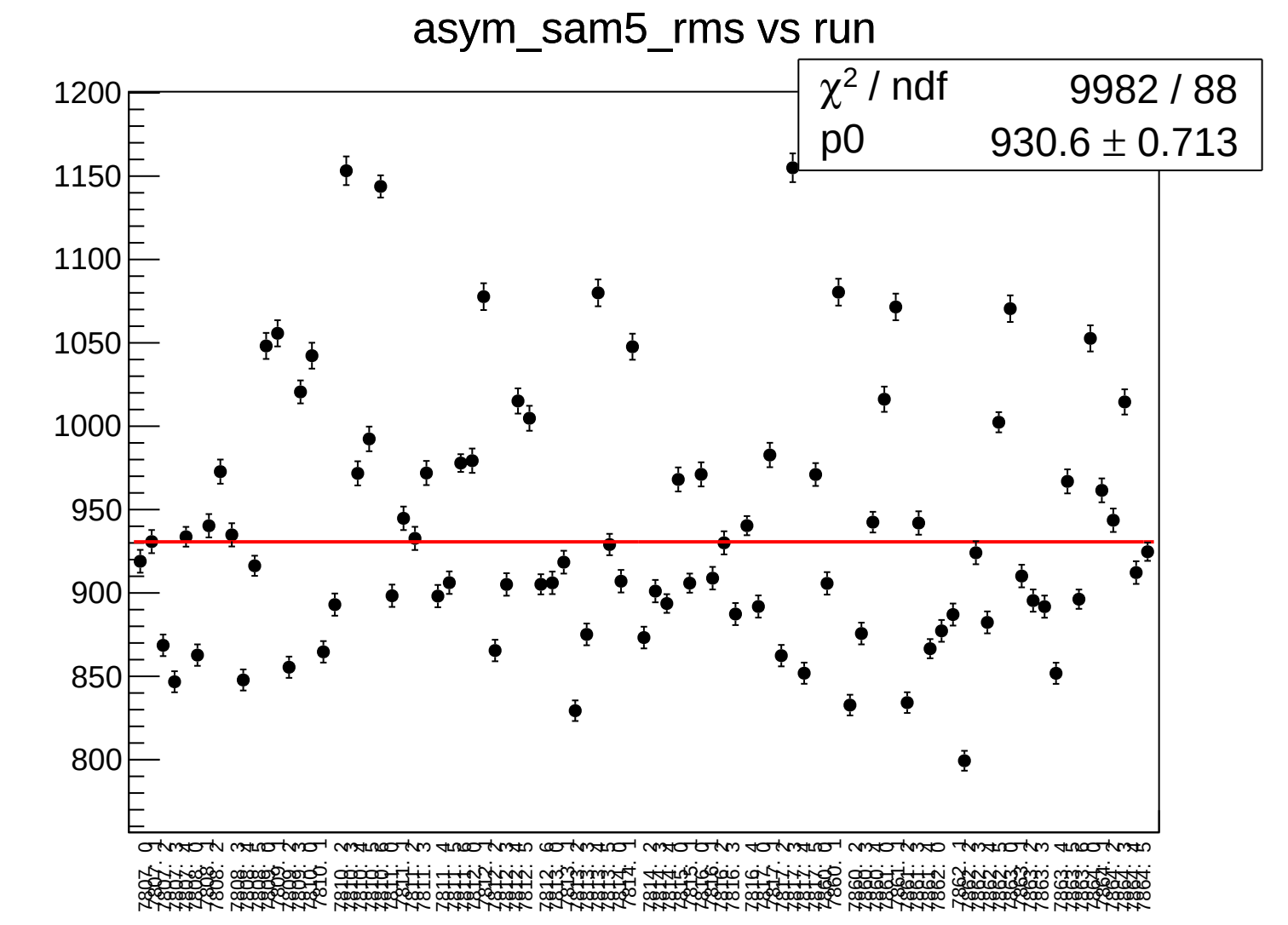

asym_sam5_correction_mean vs run
χ² / ndf 94.69 / 88
p0 54.93 ± 1013
pull
Entries 89
Mean 14.36
Std Dev 23.63

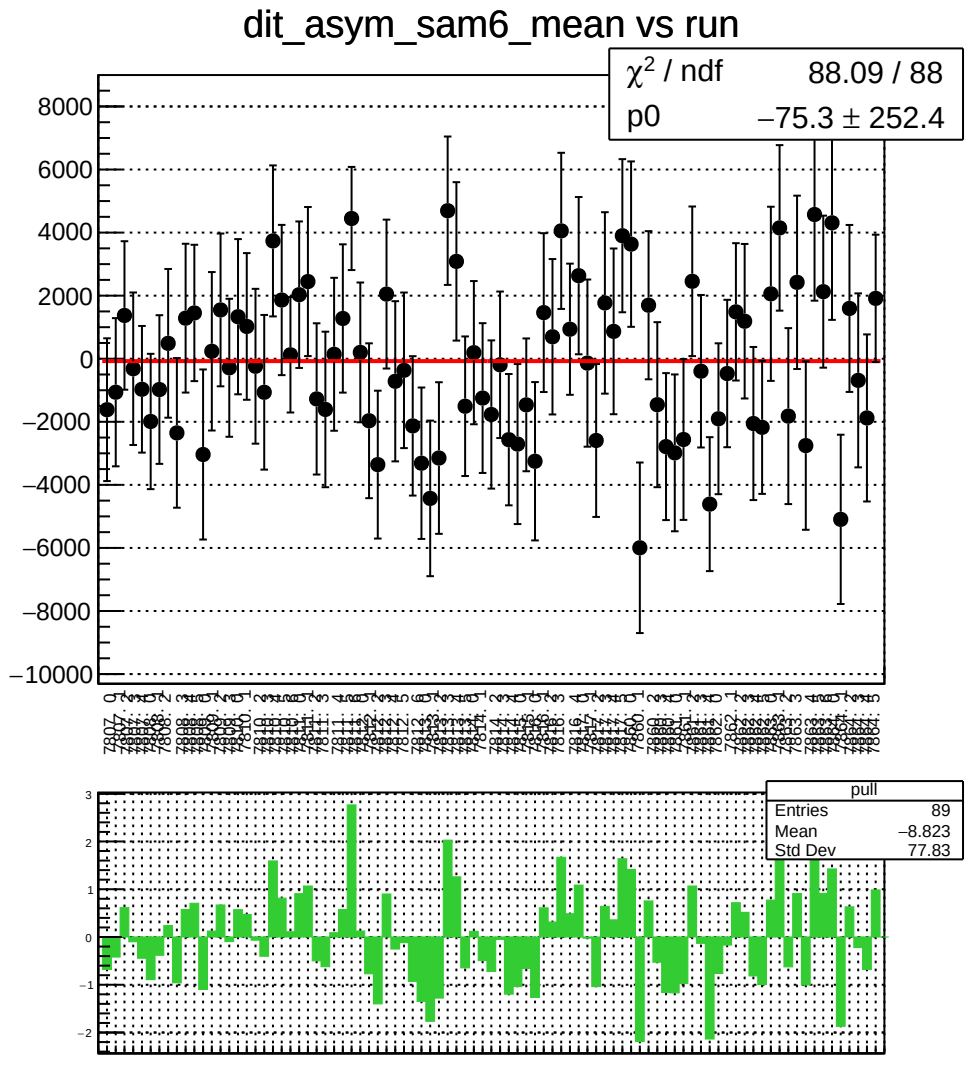

pull1D
Entries 89
Mean −0.01629
Std Dev 1.031

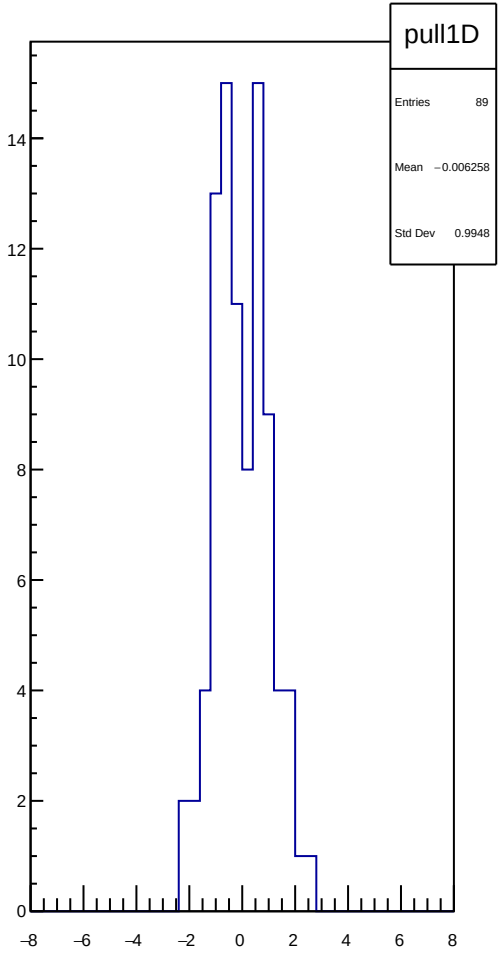

asym_sam5_correction_rms vs run
χ² / ndf 9923 / 88
p0 934.7 ± 0.7161
1200
1150
1100
1050
1000
950
900
850
800

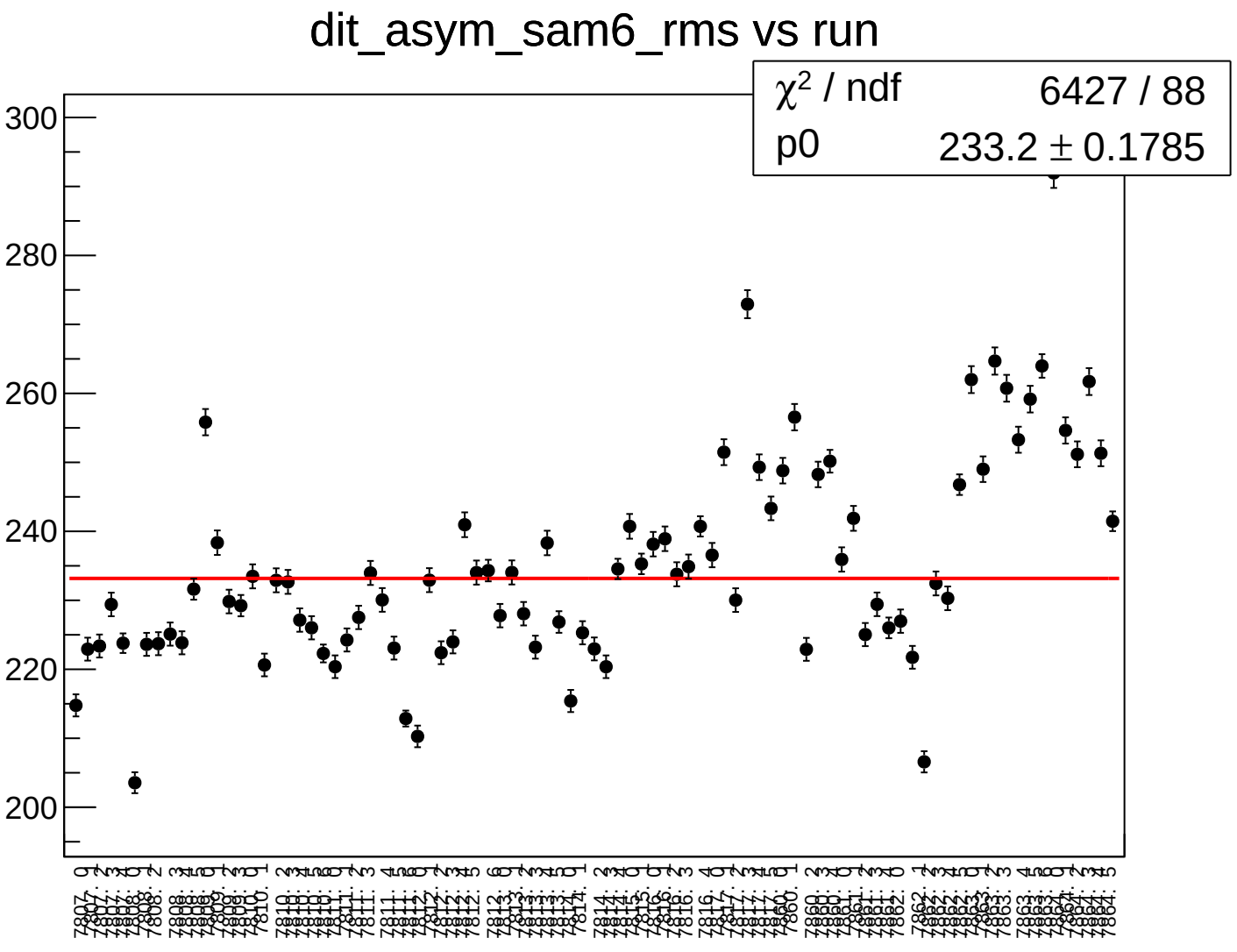

asym_sam5_mean vs run
χ² / ndf 91.77 / 88
p0 −26.84 ± 1008
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −3.161
Std Dev 41.68
2
1
0
−1
−2

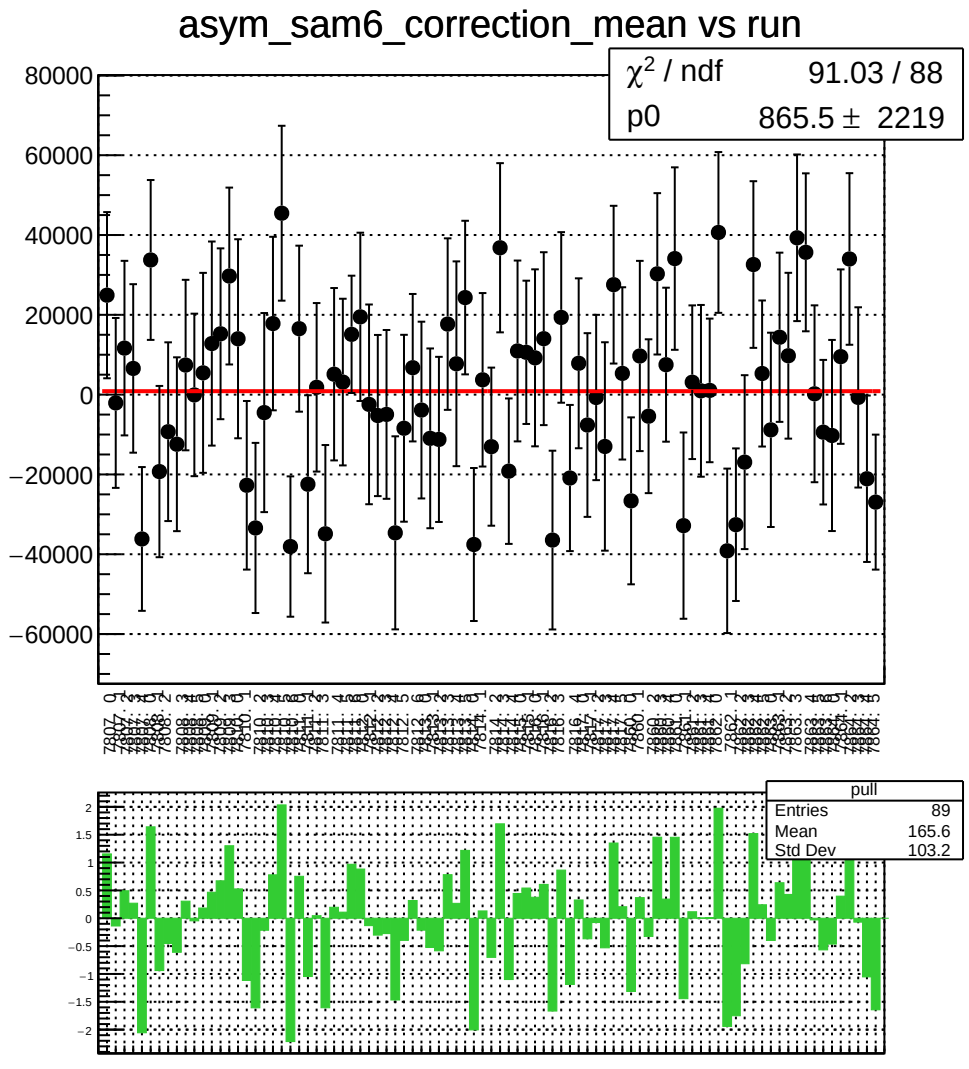

pull1D
Entries 89
Mean 0.01575
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

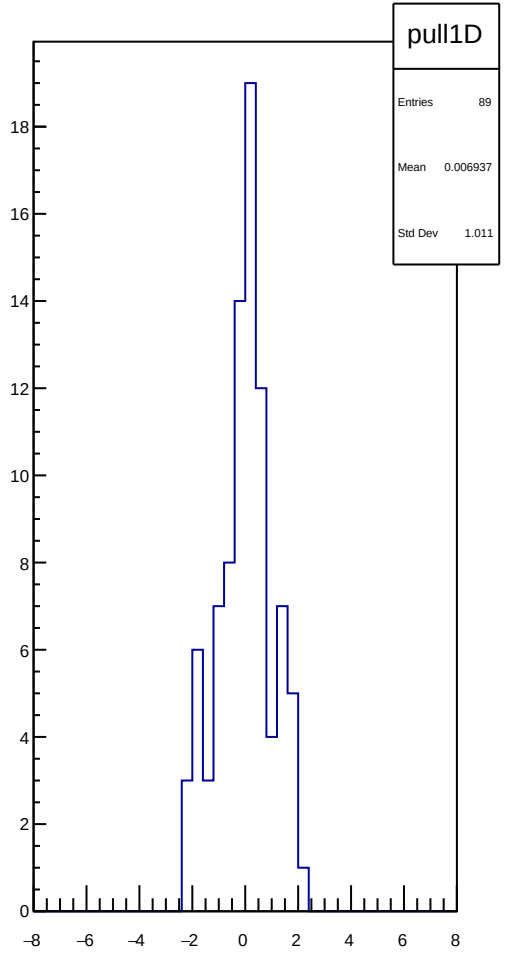

asym_sam5_rms vs run
χ^2 / ndf 9982 / 88
p0 930.6 ± 0.713
1200
1150
1100
1050
1000
950
900
850
800

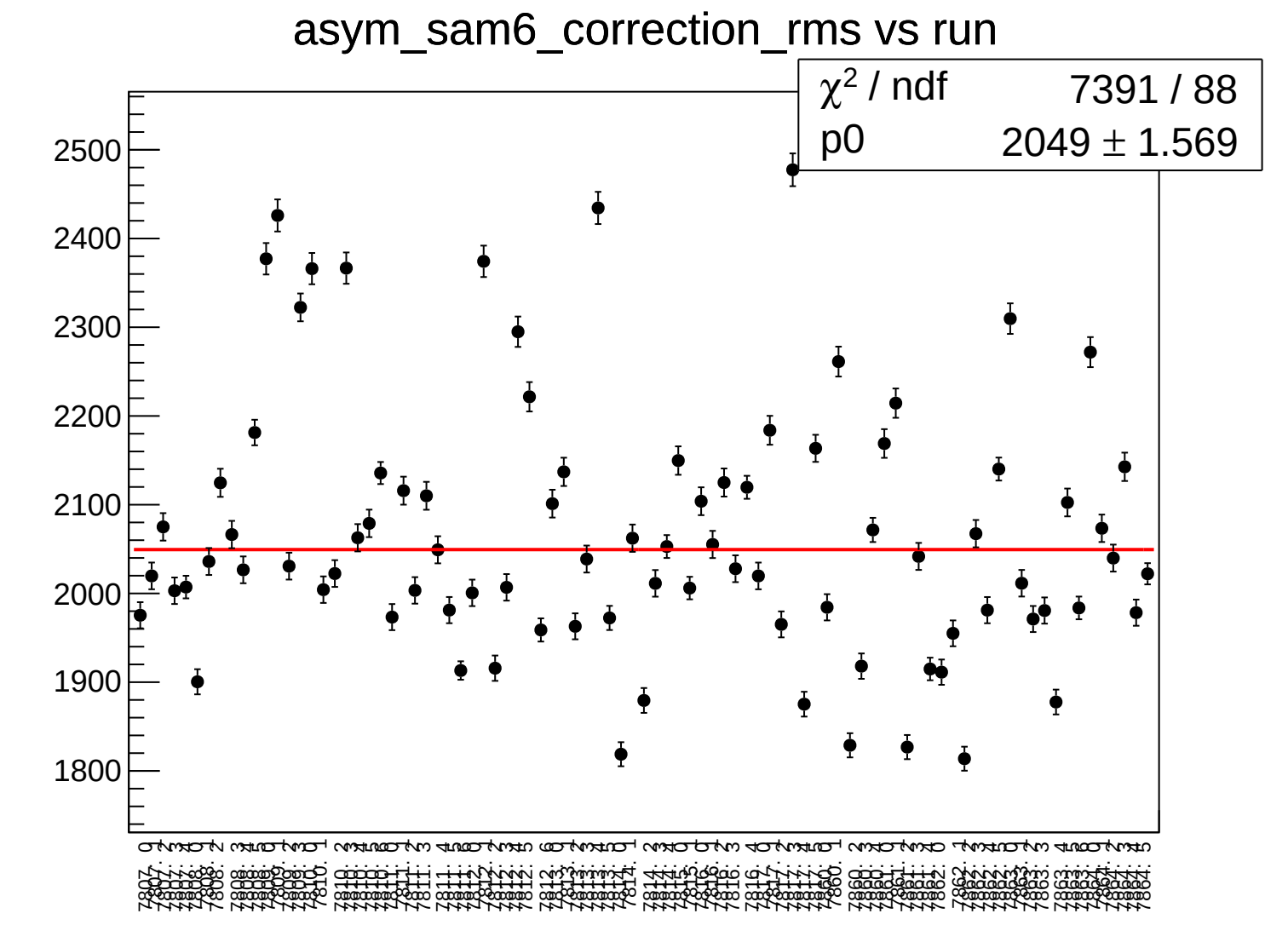

dit_asym_sam6_mean vs run
χ² / ndf 88.09 / 88
p0 −75.3 ± 252.4
pull
Entries 89
Mean −8.823
Std Dev 77.83

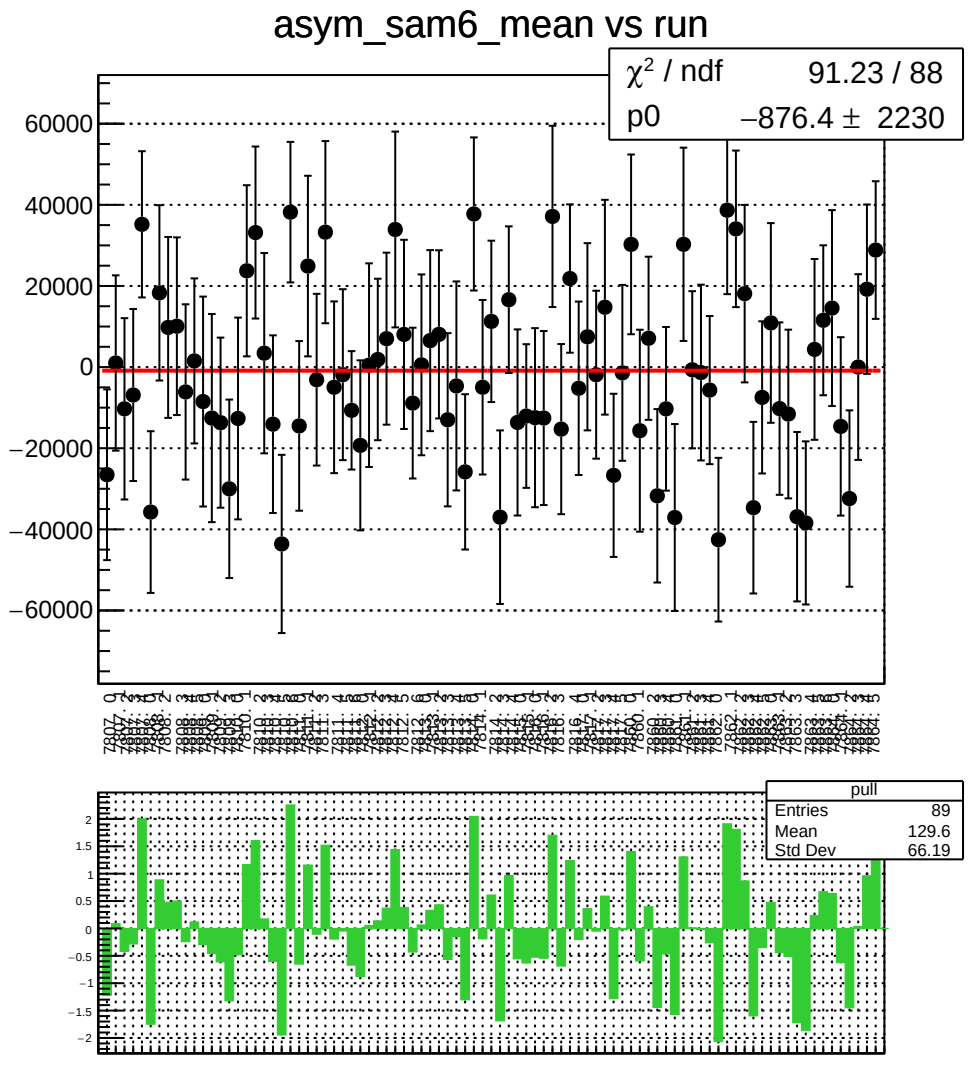

pull1D
Entries 89
Mean −0.006258
Std Dev 0.9948

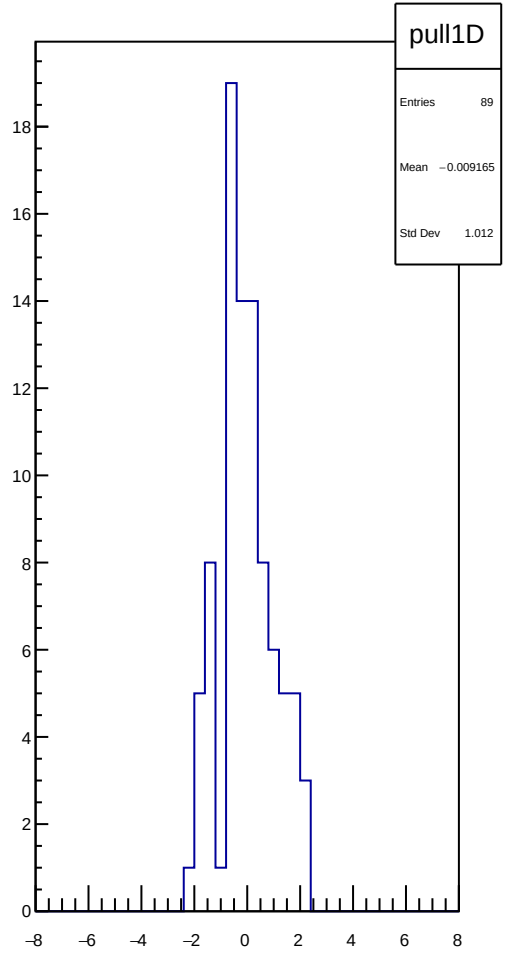

dit_asym_sam6_rms vs run
χ² / ndf 6427 / 88
p0 233.2 ± 0.1785
300
280
260
240
220
200

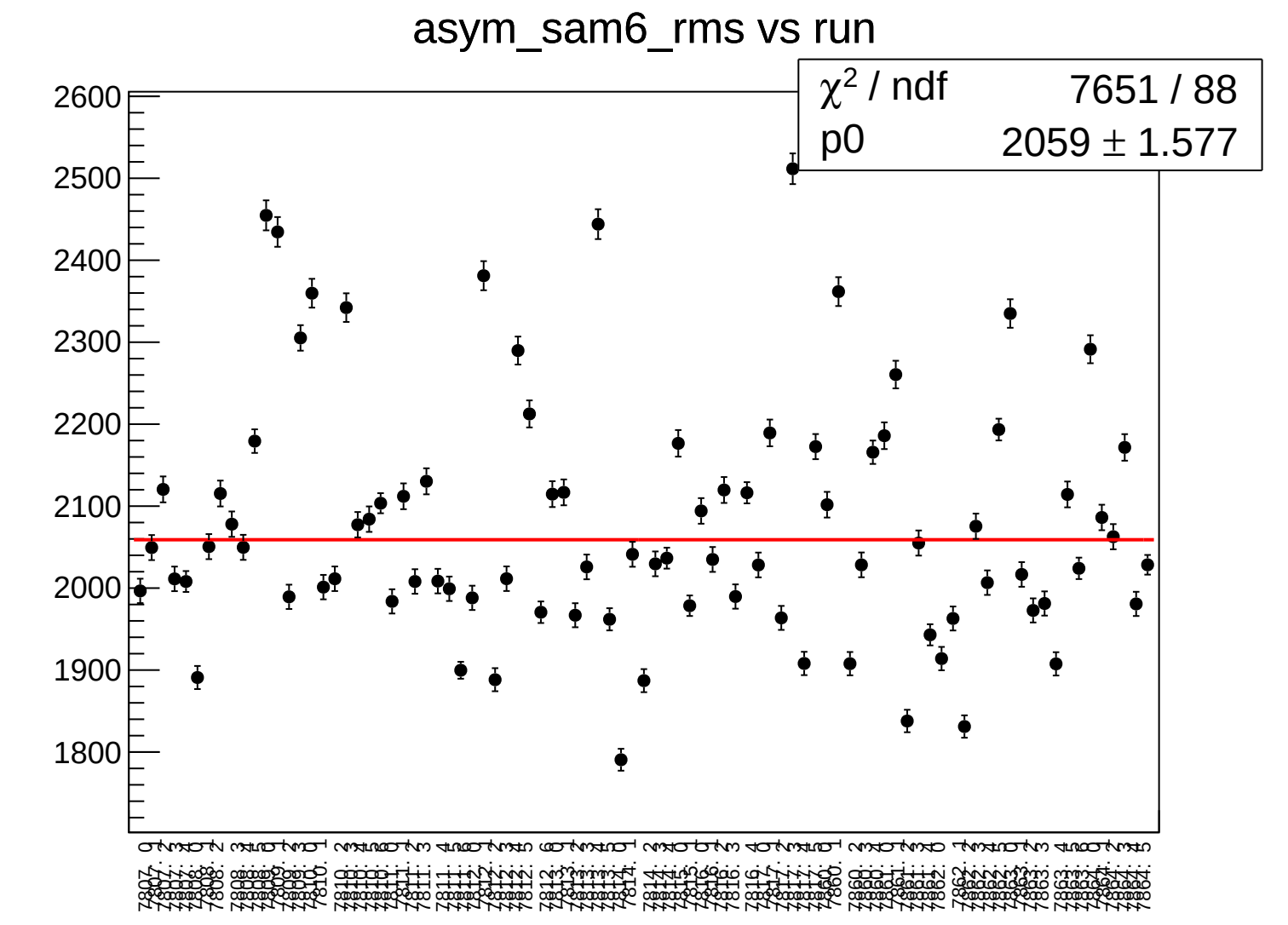

asym_sam6_correction_mean vs run
χ² / ndf 91.03 / 88
p0 865.5 ± 2219
pull
Entries 89
Mean 165.6
Std Dev 103.2

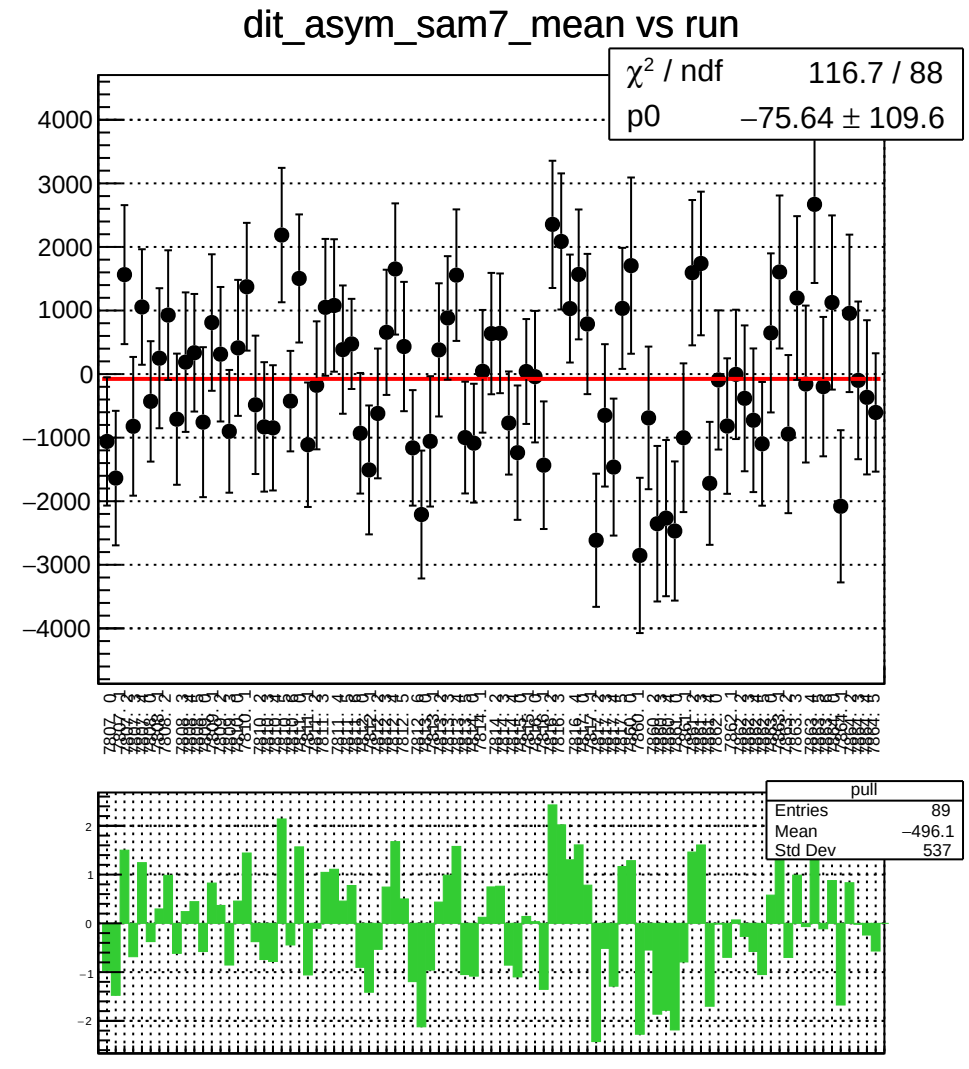

pull1D
Entries 89
Mean 0.006937
Std Dev 1.011

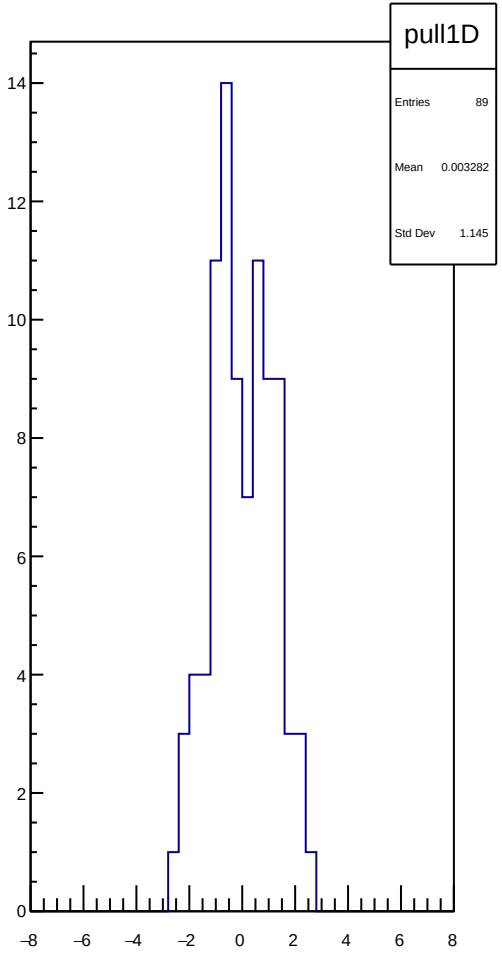

asym_sam6_correction_rms vs run
χ² / ndf 7391 / 88
p0 2049 ± 1.569
2500
2400
2300
2200
2100
2000
1900
1800

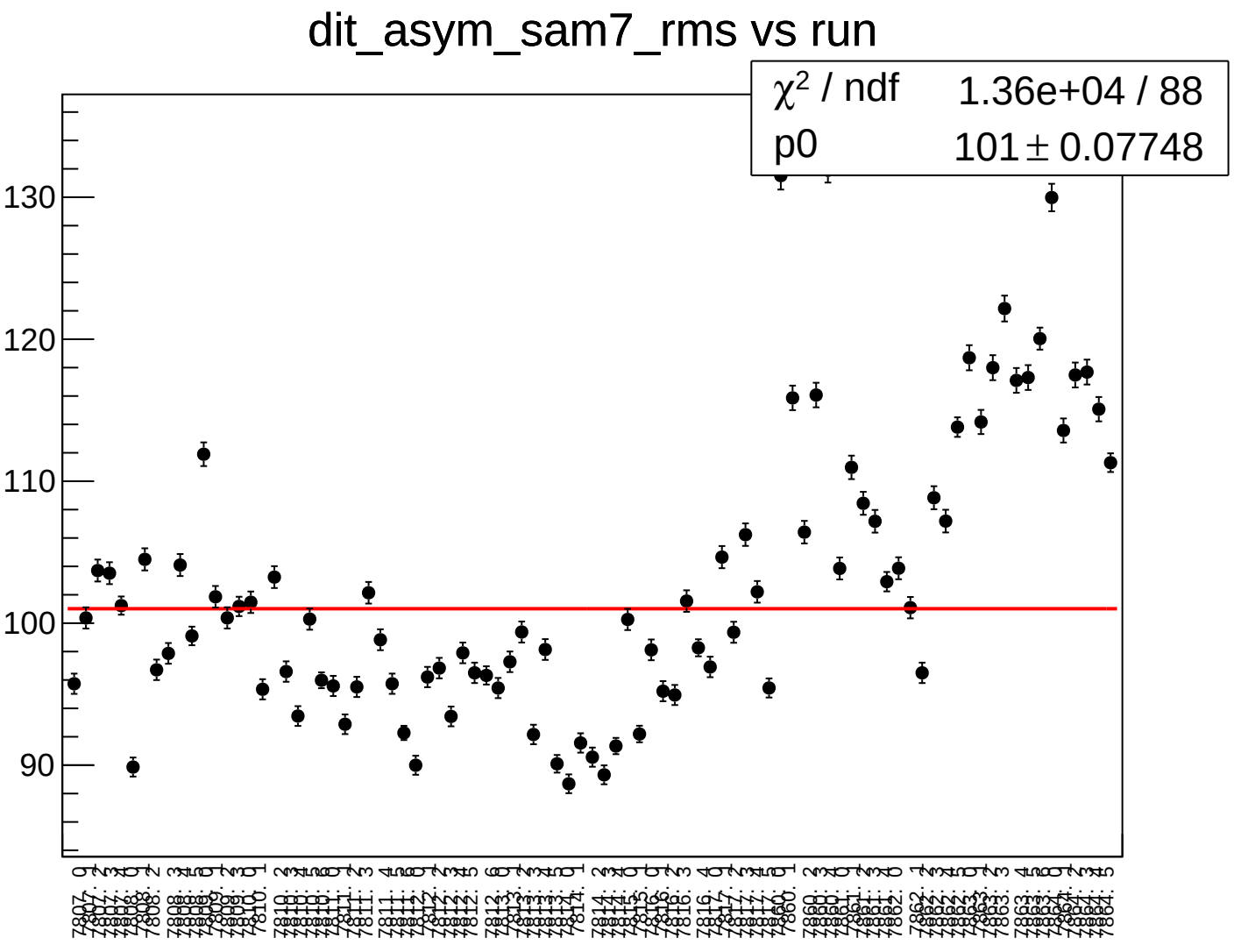

asym_sam6_mean vs run
χ² / ndf 91.23 / 88
p0 −876.4 ± 2230
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 129.6
Std Dev 66.19
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

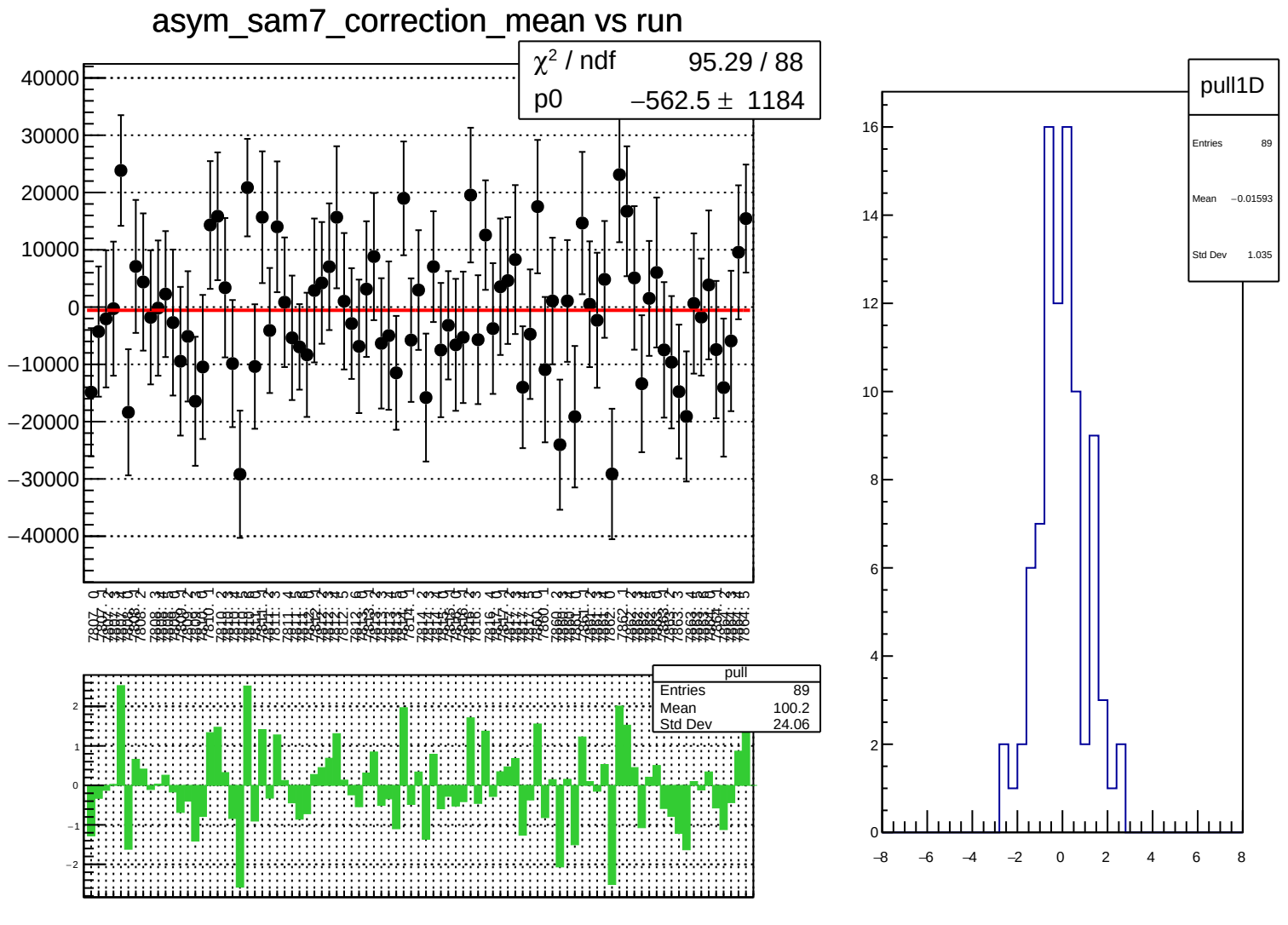

pull1D
Entries 89
Mean −0.009165
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

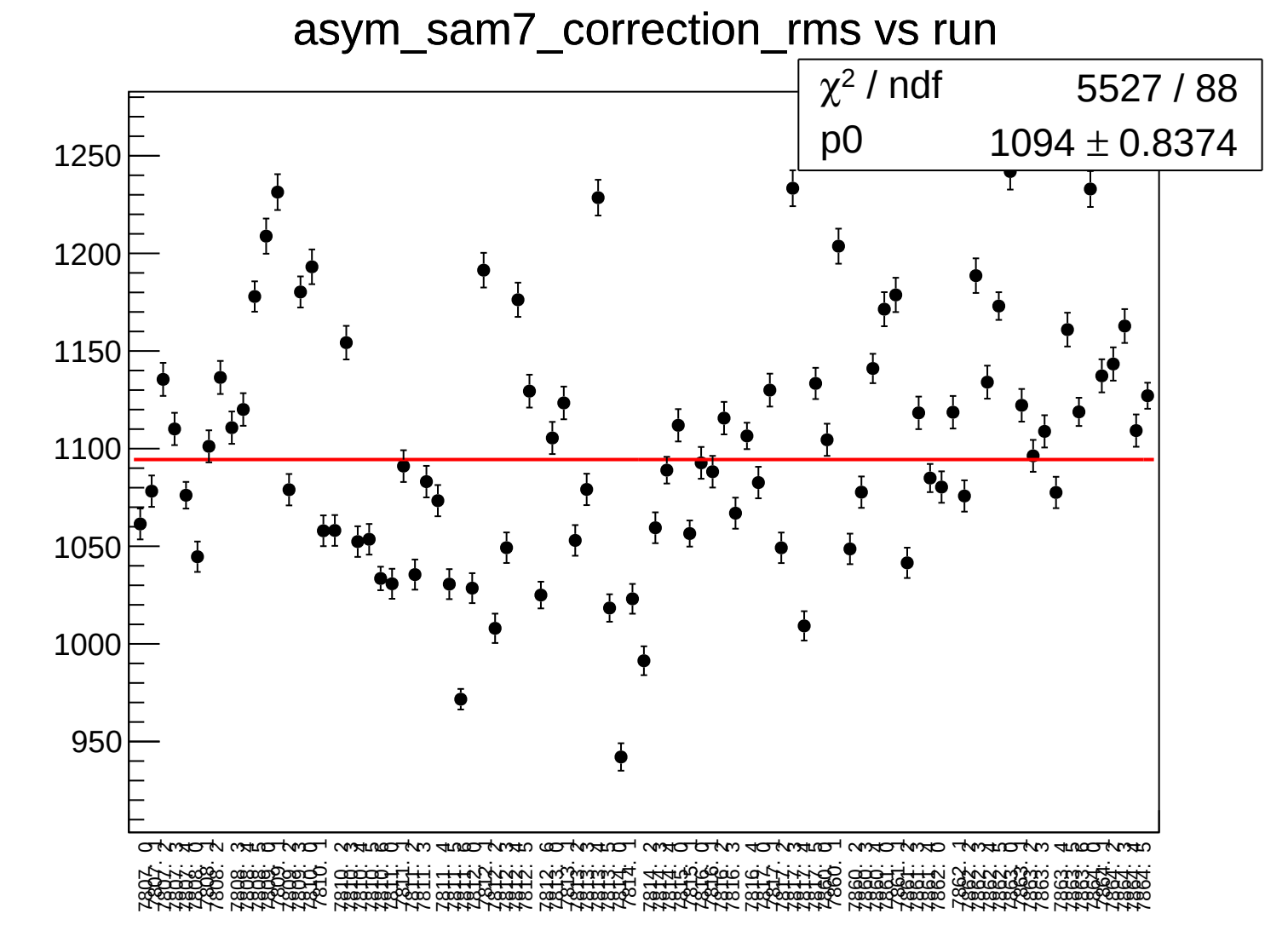

asym_sam6_rms vs run
χ² / ndf 7651 / 88
p0 2059 ± 1.577
2600
2500
2400
2300
2200
2100
2000
1900
1800

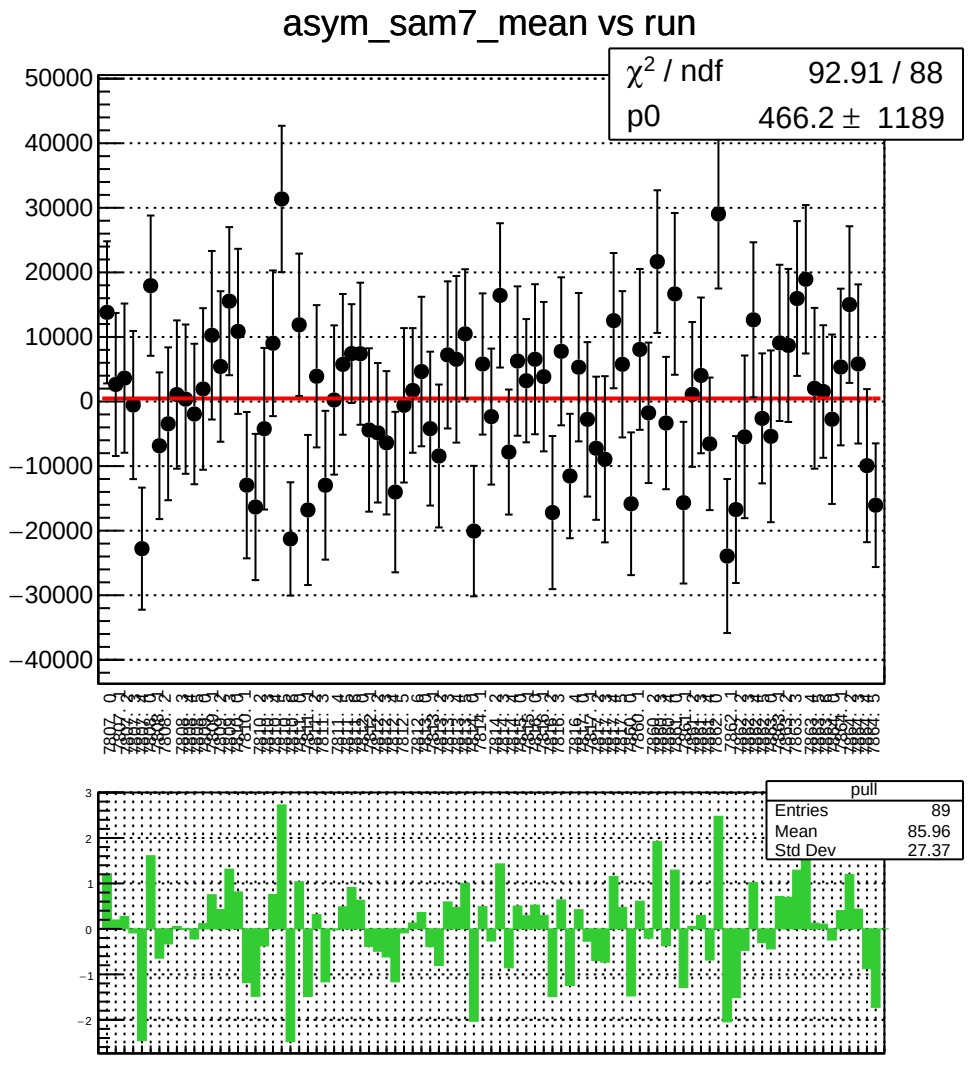

dit_asym_sam7_mean vs run
χ² / ndf 116.7 / 88
p0 −75.64 ± 109.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 89
Mean −496.1
Std Dev 537
2
1
0
−1
−2

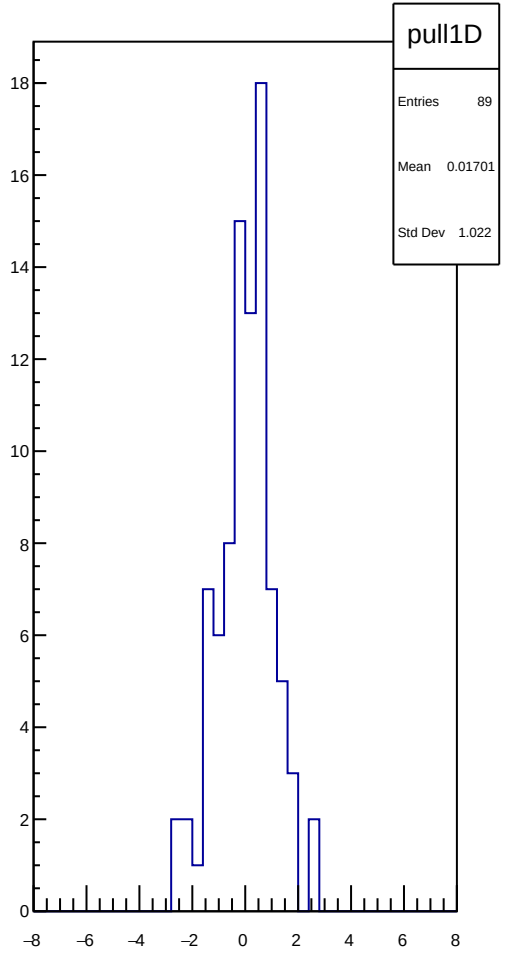

pull1D
Entries 89
Mean 0.003282
Std Dev 1.145
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

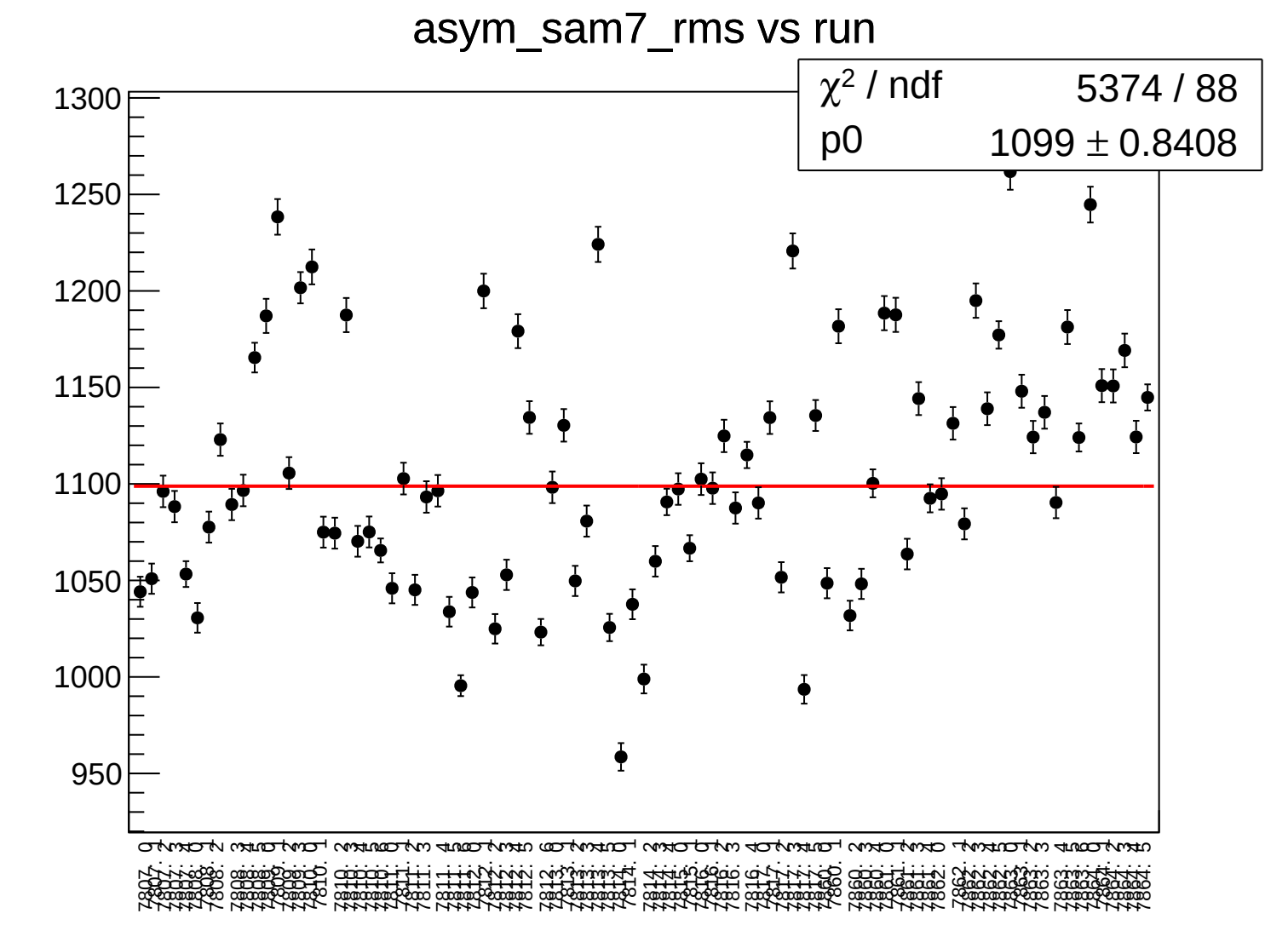

dit_asym_sam7_rms vs run
χ² / ndf 1.36e+04 / 88
p0 101 ± 0.07748
130
120
110
100
90

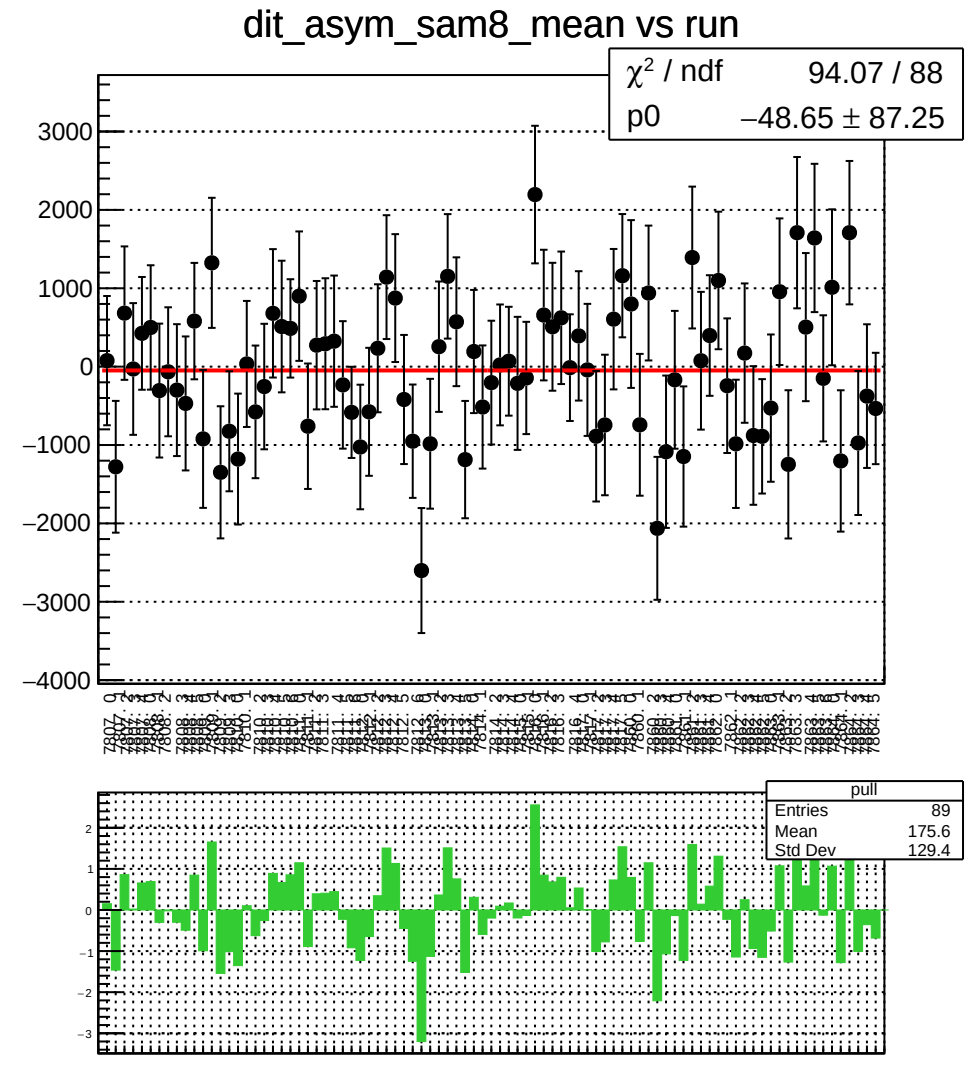

asym_sam7_correction_mean vs run
χ² / ndf 95.29 / 88
p0 −562.5 ± 1184
pull
Entries 89
Mean 100.2
Std Dev 24.06
pull1D
Entries 89
Mean −0.01593
Std Dev 1.035

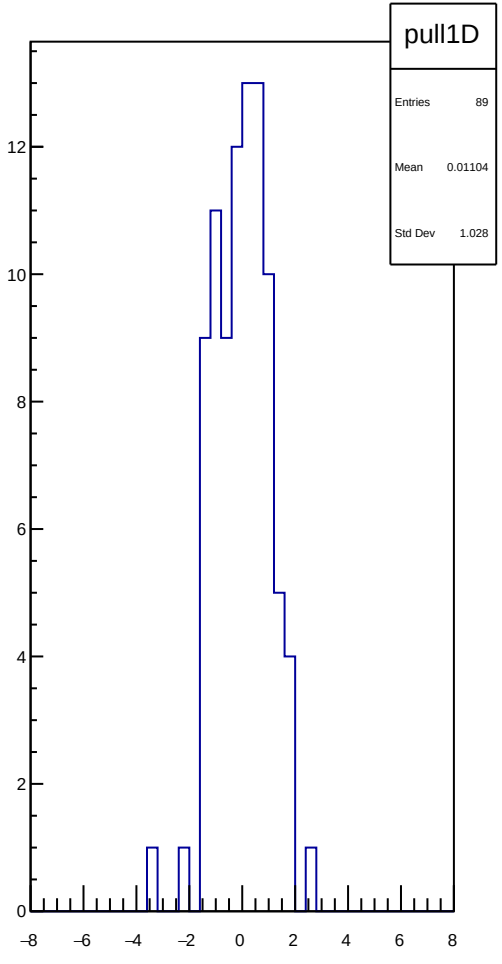

asym_sam7_correction_rms vs run
χ² / ndf 5527 / 88
p0 1094 ± 0.8374
1250
1200
1150
1100
1050
1000
950

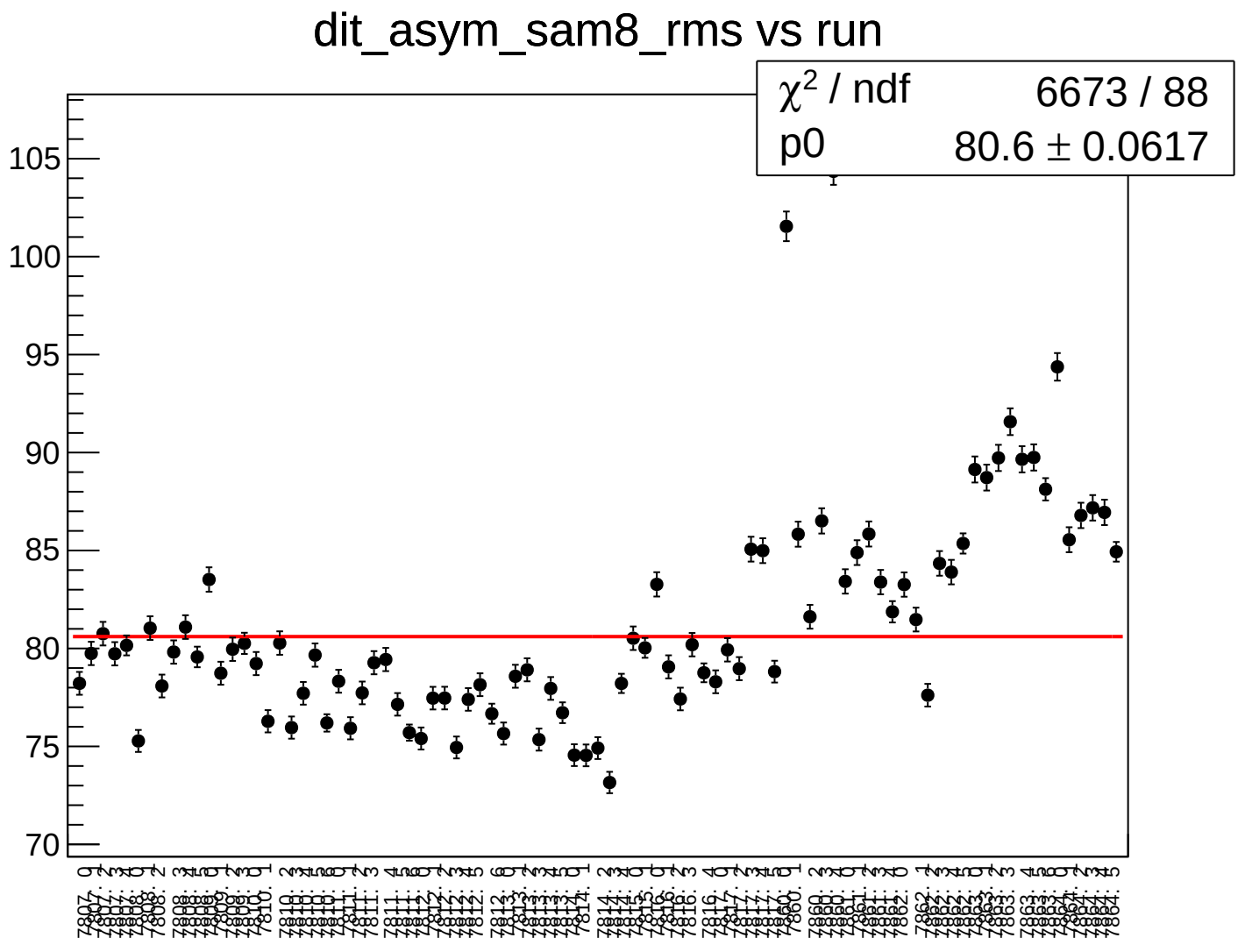

asym_sam7_mean vs run
χ² / ndf 92.91 / 88
p0 466.2 ± 1189
pull
Entries 89
Mean 85.96
Std Dev 27.37

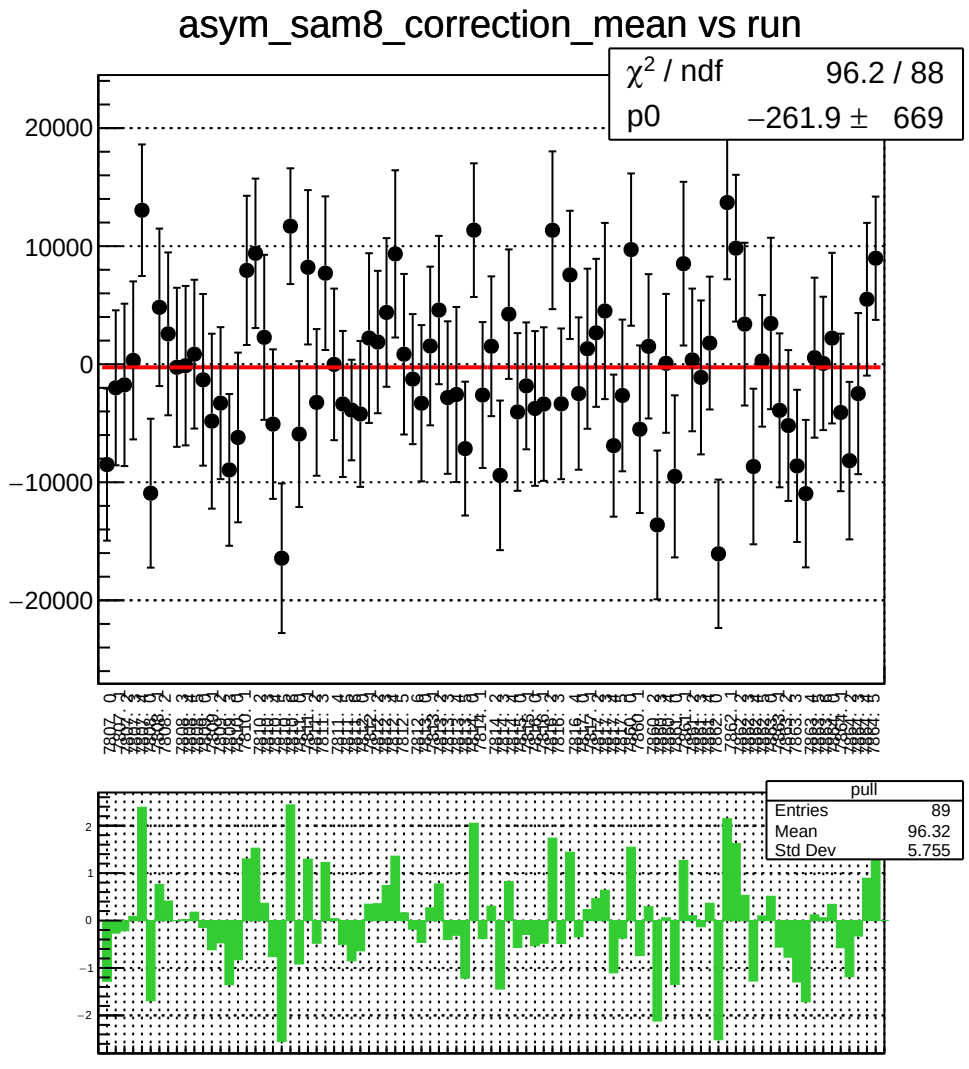

pull1D
Entries 89
Mean 0.01701
Std Dev 1.022

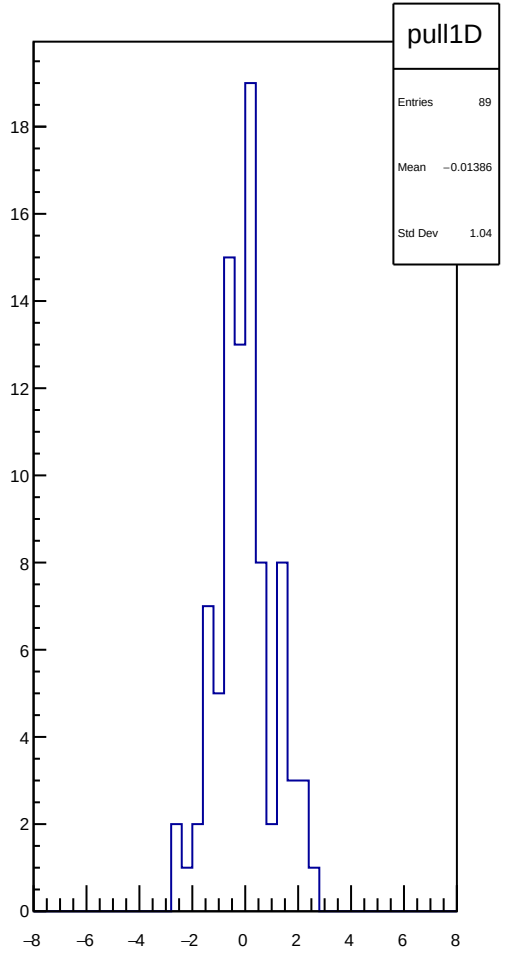

asym_sam7_rms vs run
χ² / ndf 5374 / 88
p0 1099 ± 0.8408
1300
1250
1200
1150
1100
1050
1000
950

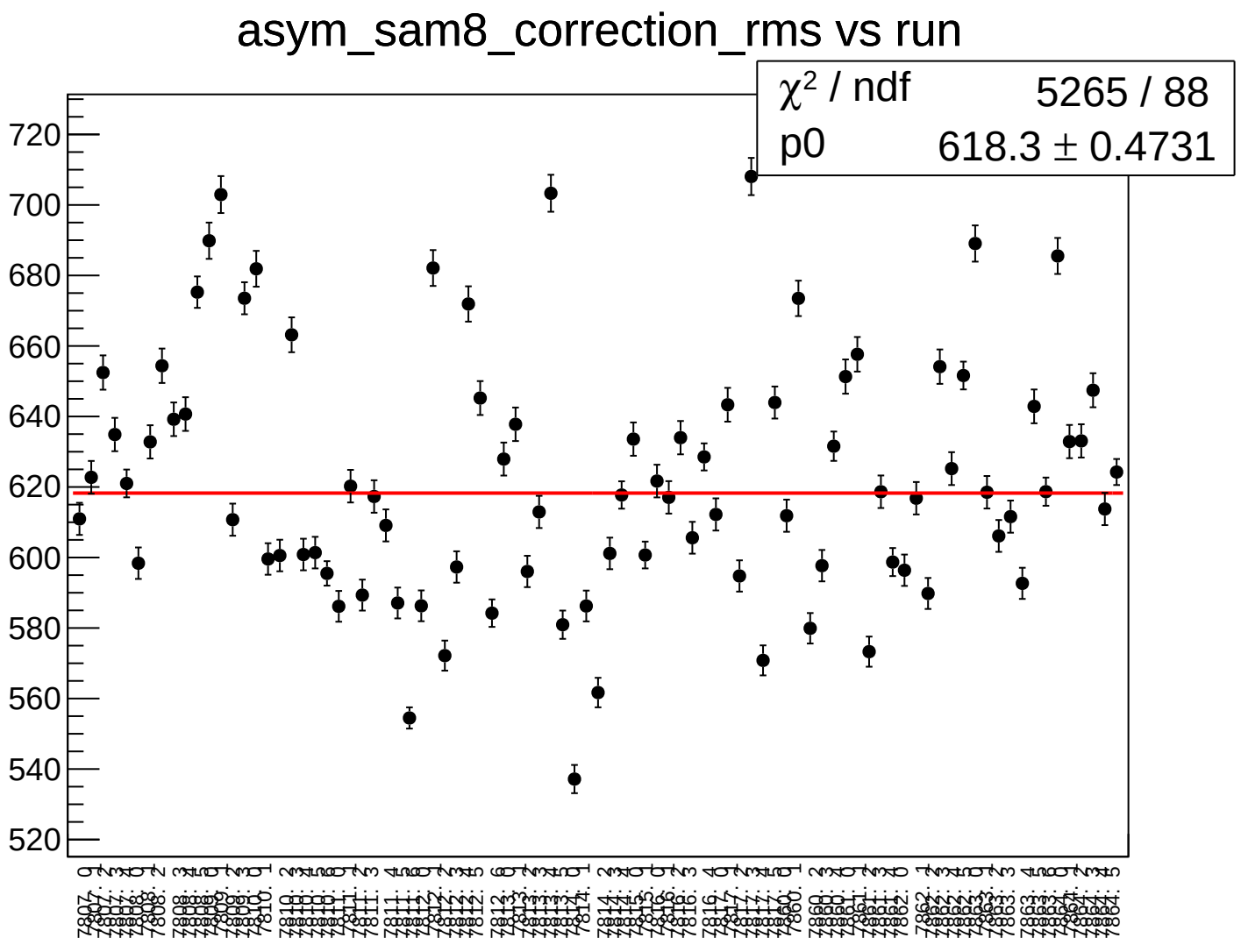

dit_asym_sam8_mean vs run
χ² / ndf 94.07 / 88
p0 −48.65 ± 87.25
pull
Entries 89
Mean 175.6
Std Dev 129.4

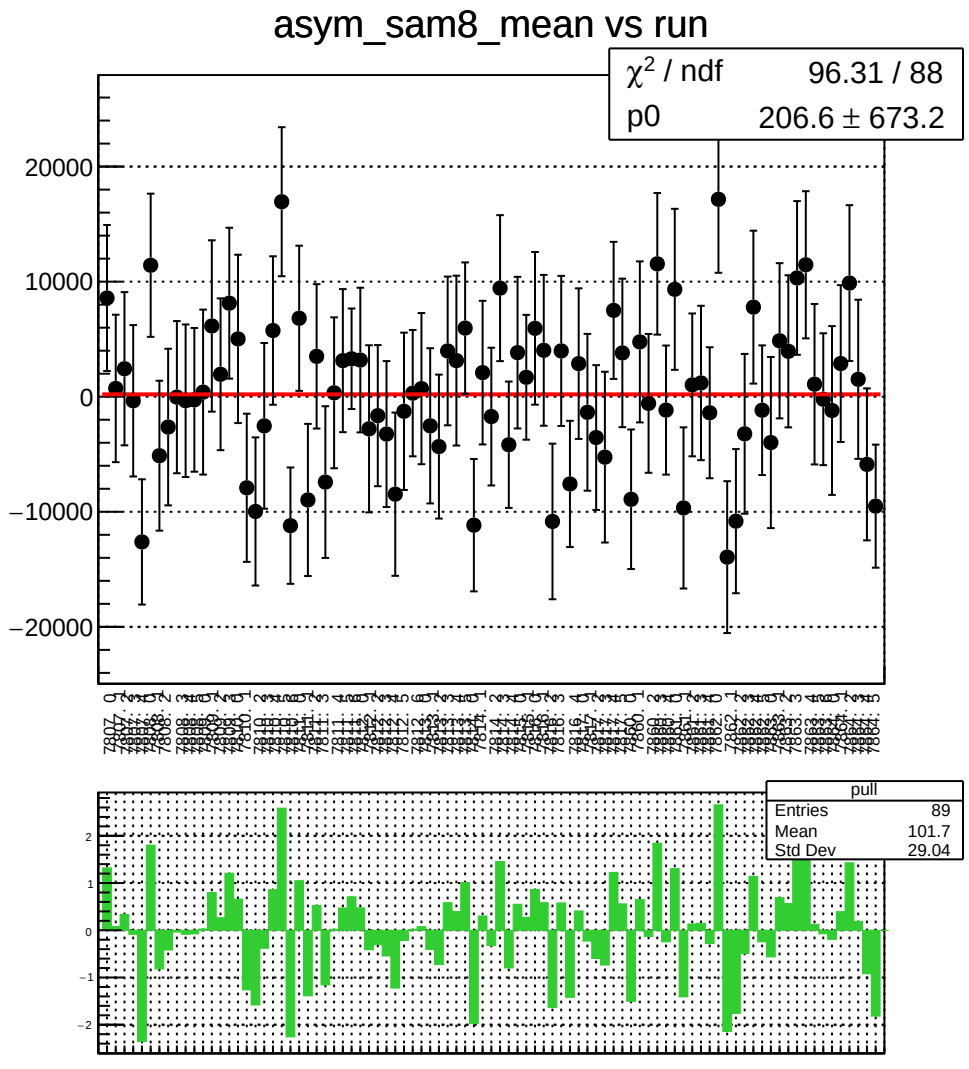

pull1D
Entries 89
Mean 0.01104
Std Dev 1.028

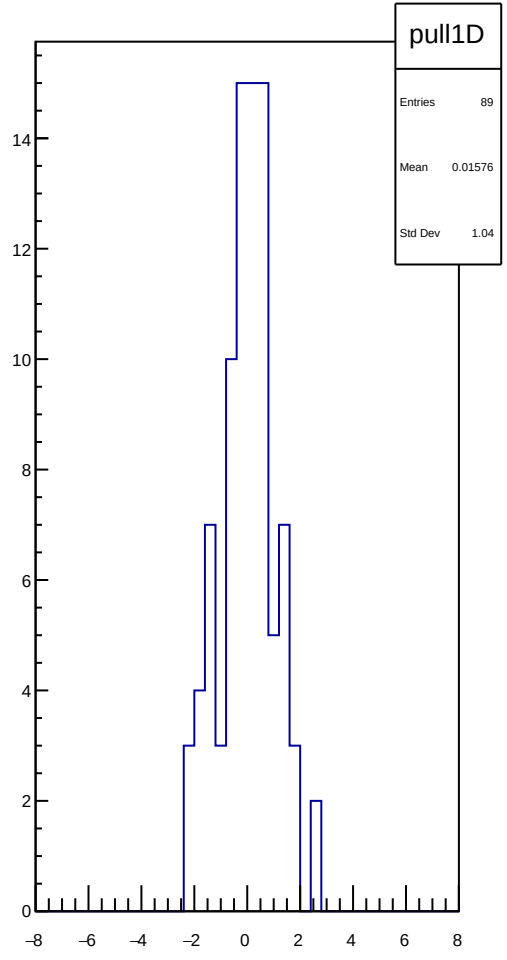

dit_asym_sam8_rms vs run
χ^2 / ndf 6673 / 88
p0 80.6 ± 0.0617
105
100
95
90
85
80
75
70

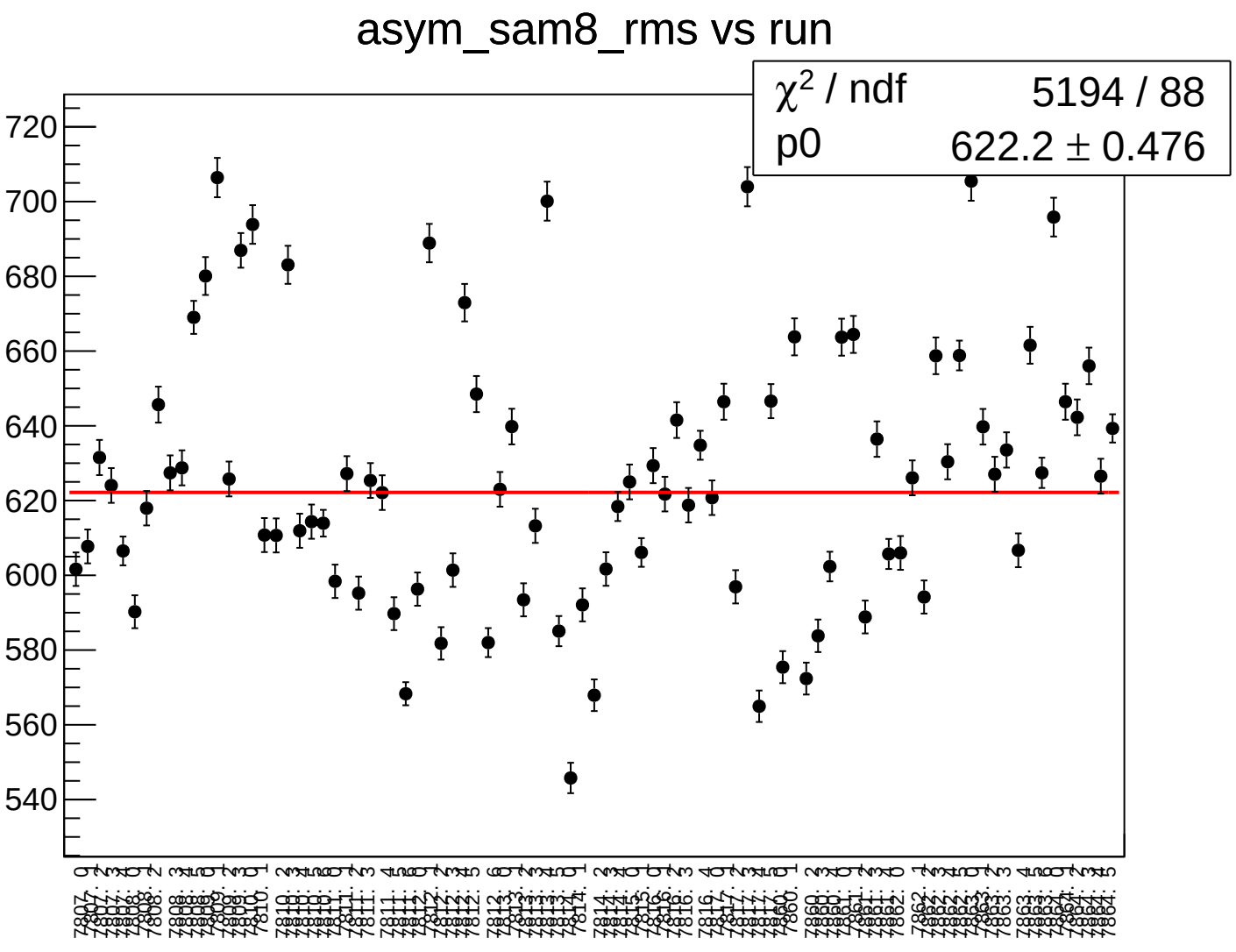

asym_sam8_correction_mean vs run
χ² / ndf 96.2 / 88
p0 −261.9 ± 669
20000
10000
0
−10000
−20000
pull
Entries 89
Mean 96.32
Std Dev 5.755
2
1
0
−1
−2

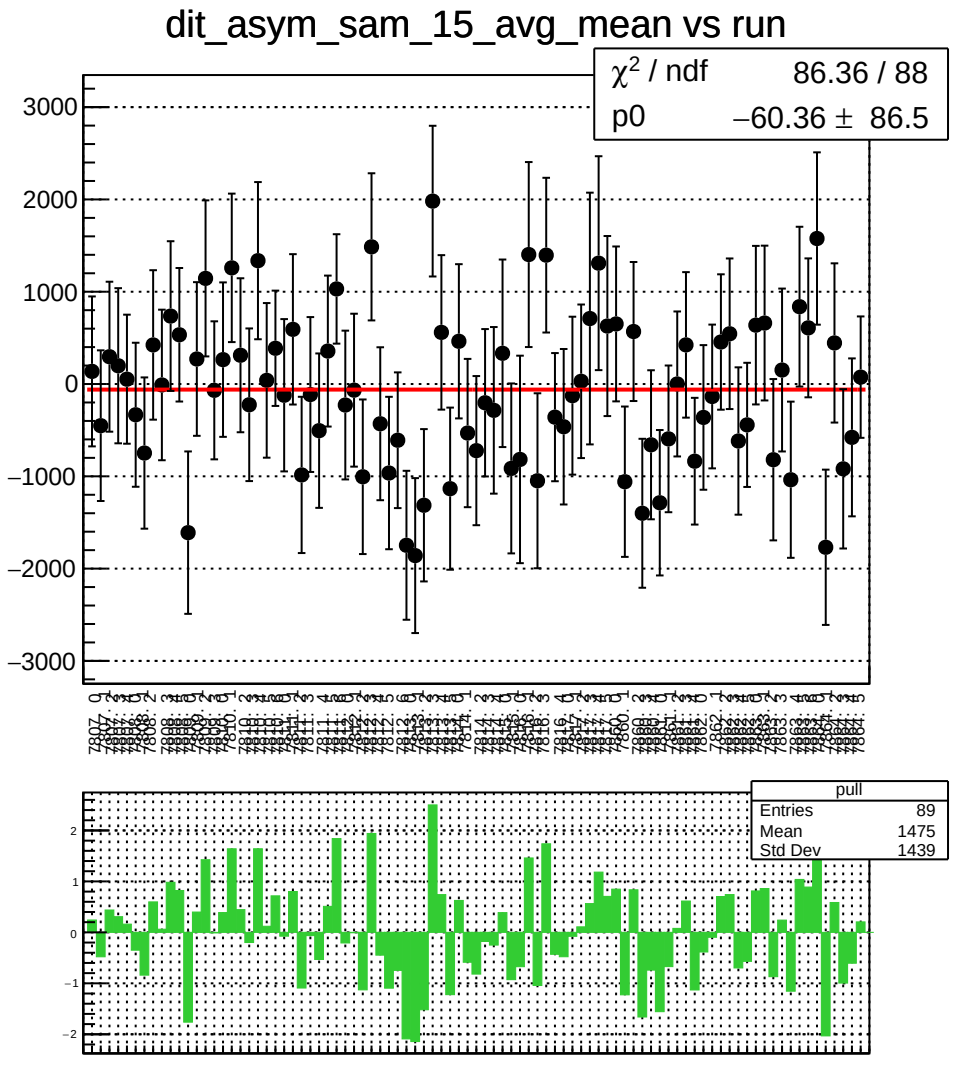

pull1D
Entries 89
Mean −0.01386
Std Dev 1.04
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

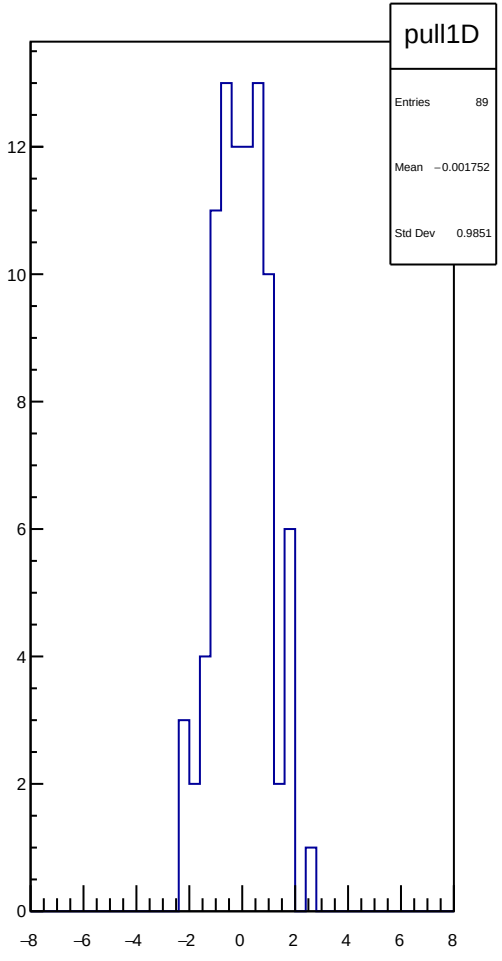

asym_sam8_correction_rms vs run
χ² / ndf 5265 / 88
p0 618.3 ± 0.4731
720
700
680
660
640
620
600
580
560
540
520

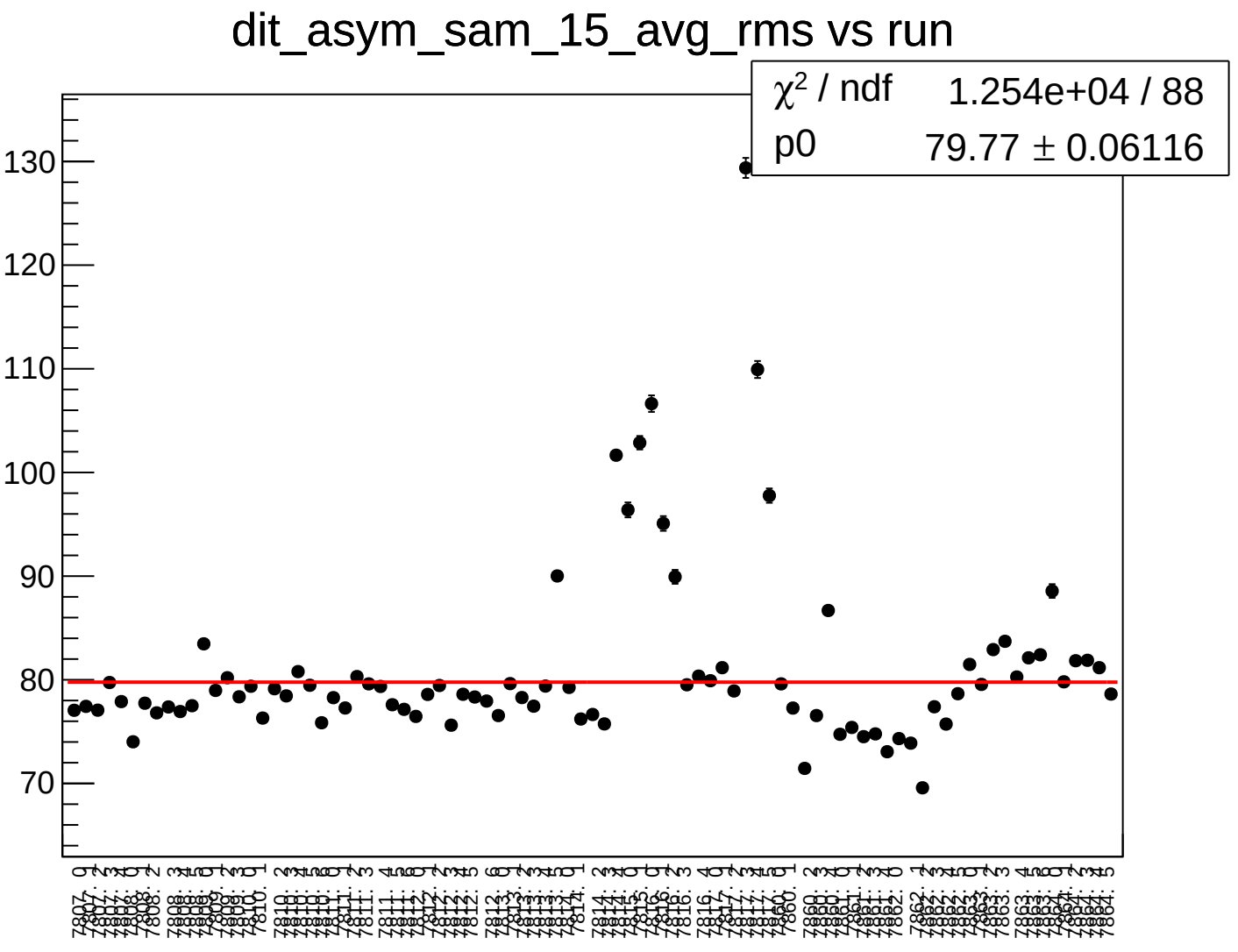

asym_sam8_mean vs run
χ² / ndf 96.31 / 88
p0 206.6 ± 673.2
20000
10000
0
−10000
−20000
pull
Entries 89
Mean 101.7
Std Dev 29.04
2
1
0
−1
−2

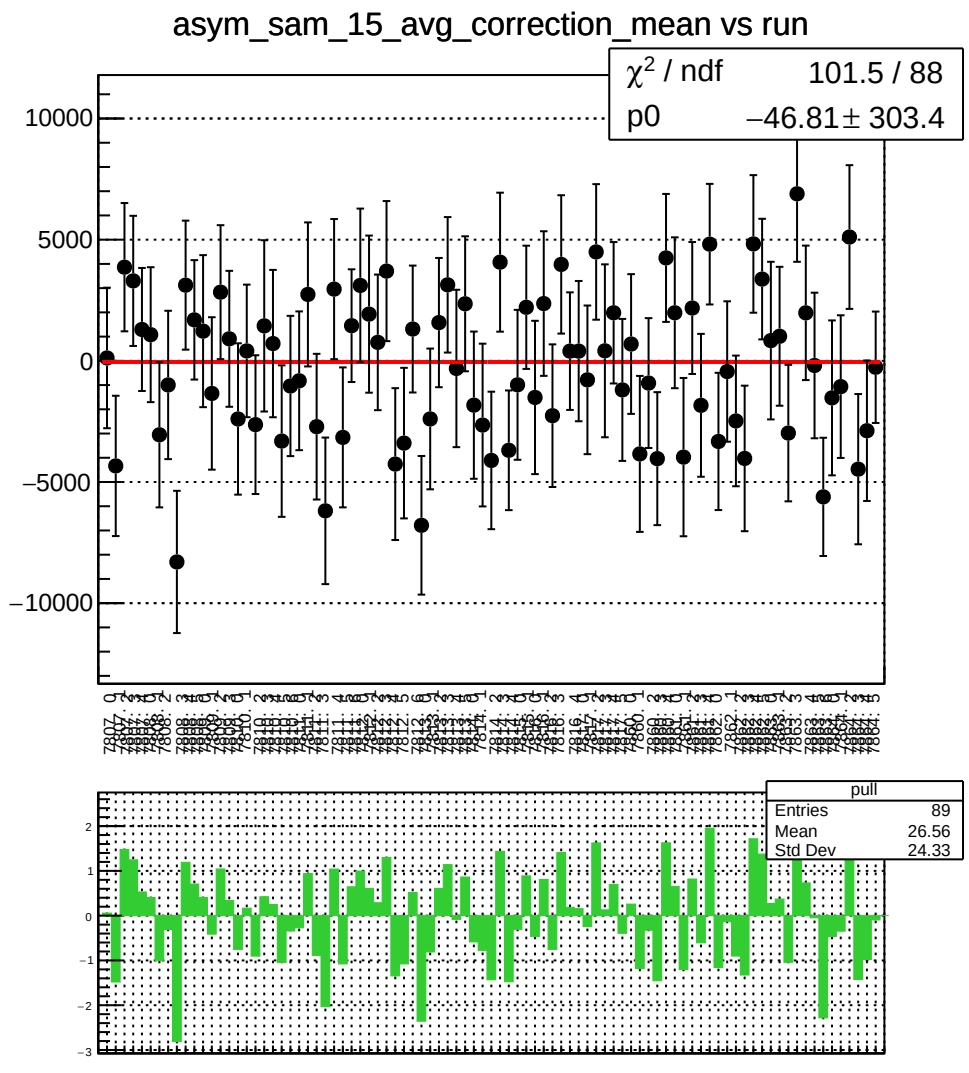

pull1D
Entries 89
Mean 0.01576
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

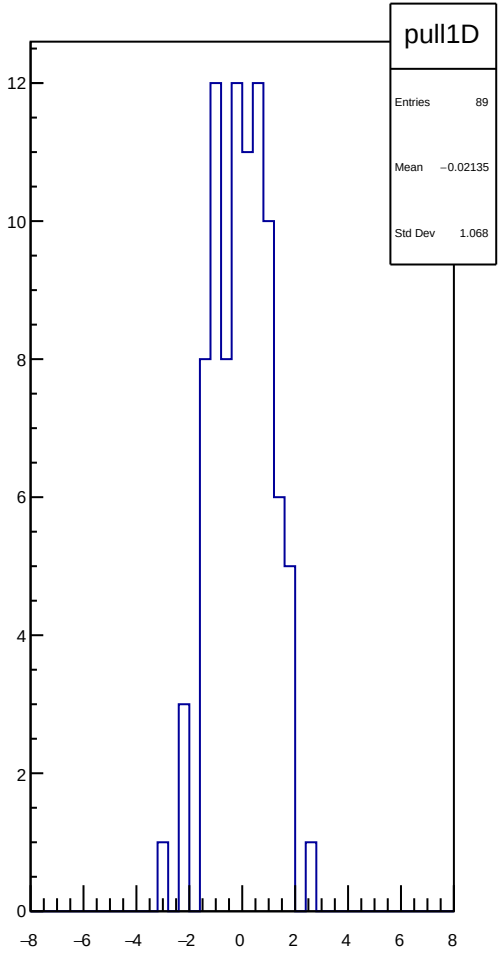

asym_sam8_rms vs run
χ² / ndf 5194 / 88
p0 622.2 ± 0.476
720
700
680
660
640
620
600
580
560
540

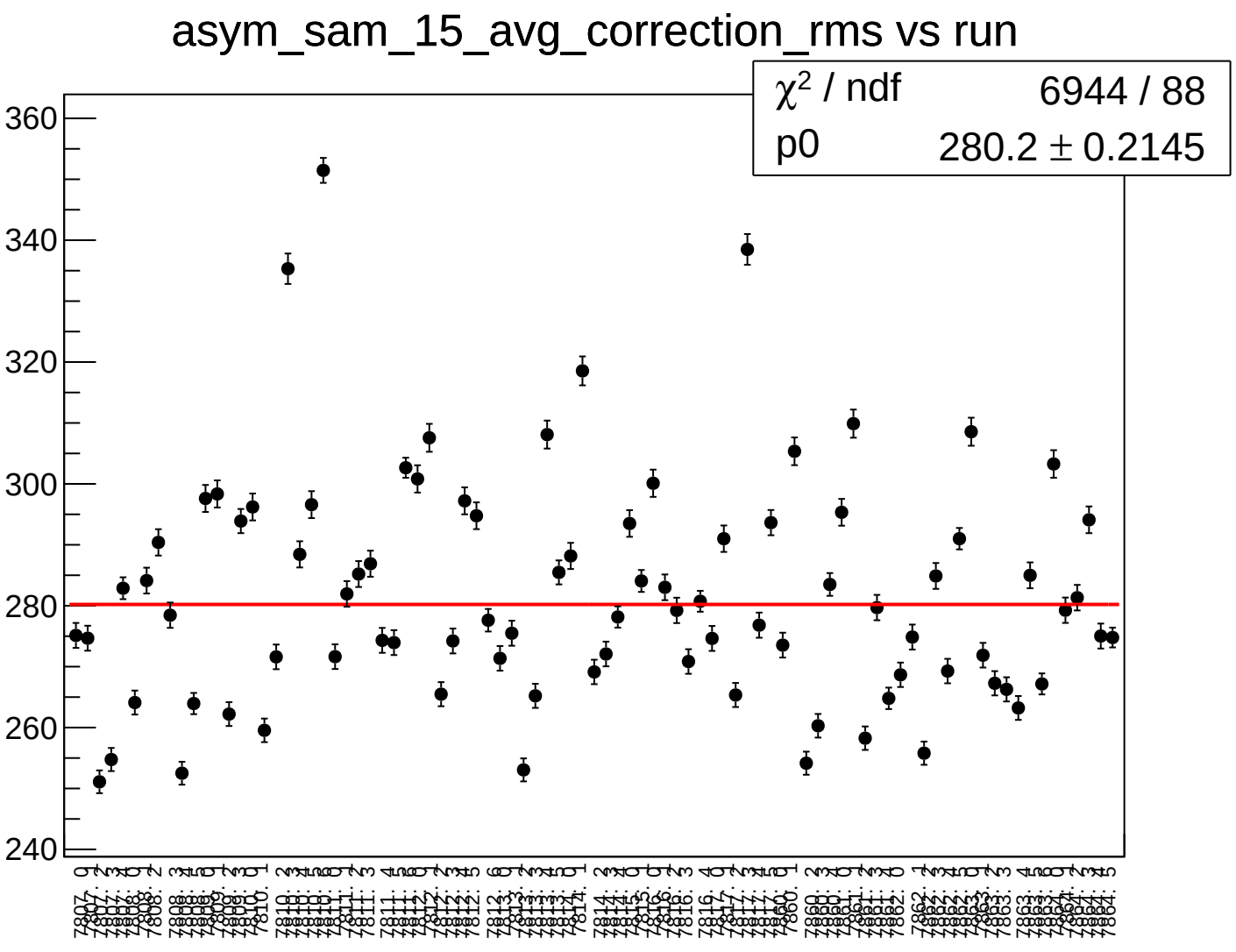

dit_asym_sam_15_avg_mean vs run
χ² / ndf 86.36 / 88
p0 −60.36 ± 86.5
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 89
Mean 1475
Std Dev 1439
2
1
0
−1
−2

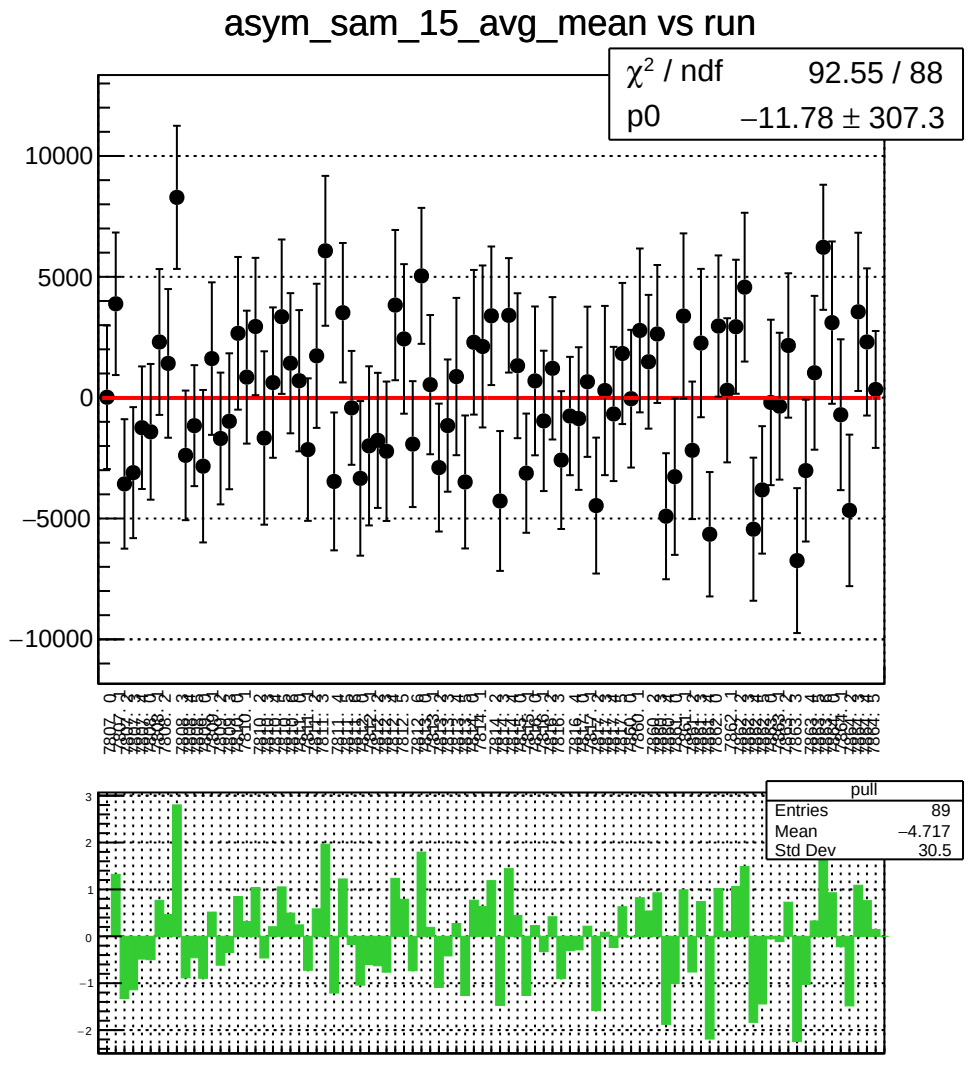

pull1D
Entries 89
Mean −0.001752
Std Dev 0.9851
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

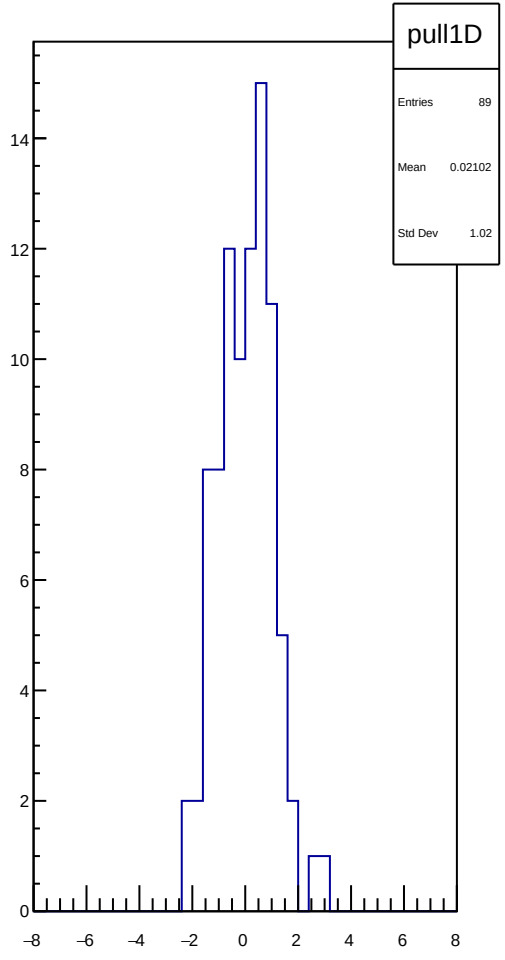

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.254e+04 / 88
p0 79.77 ± 0.06116
130
120
110
100
90
80
70

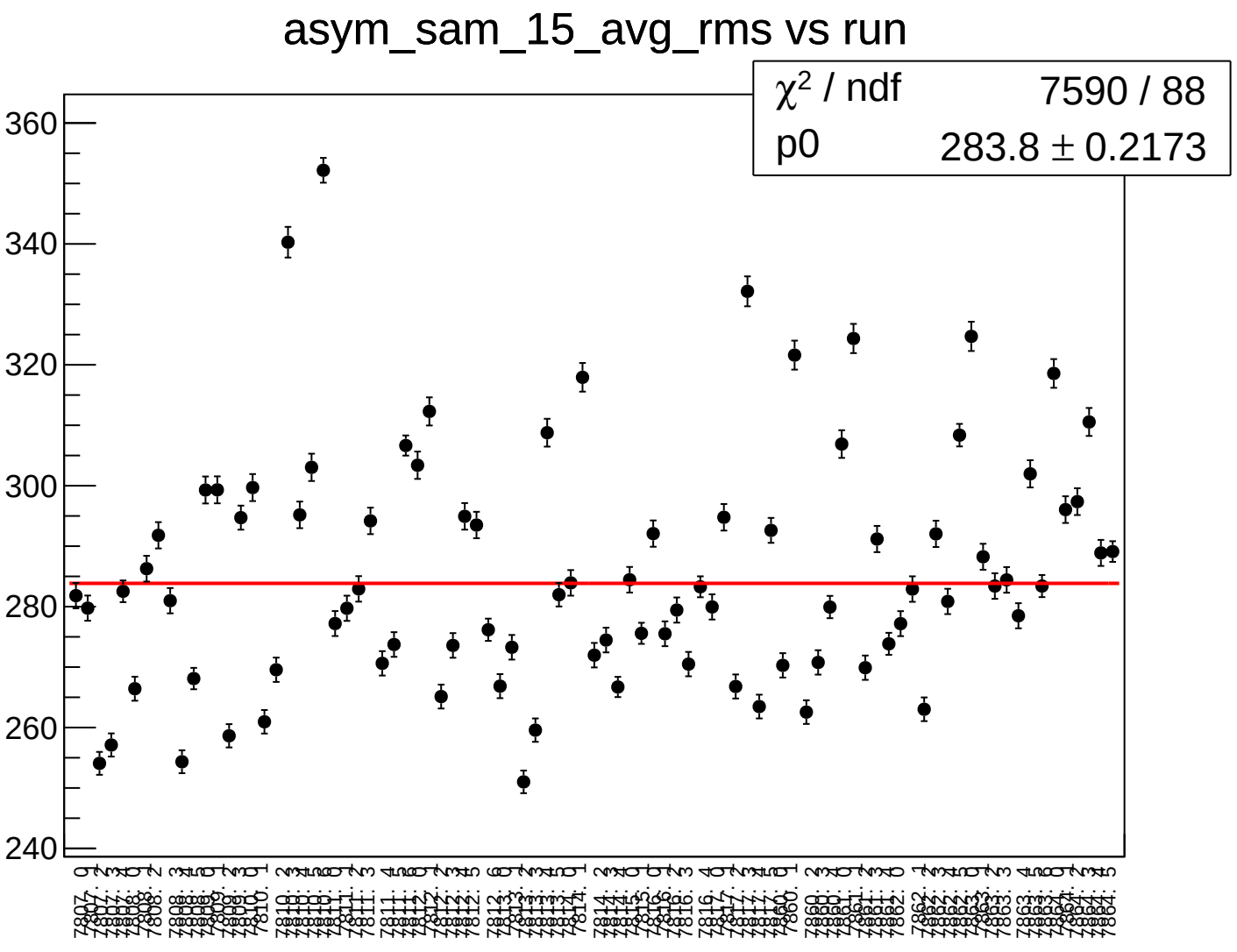

asym_sam_15_avg_correction_mean vs run
χ² / ndf 101.5 / 88
p0 −46.81 ± 303.4
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 26.56
Std Dev 24.33
2
1
0
−1
−2
−3

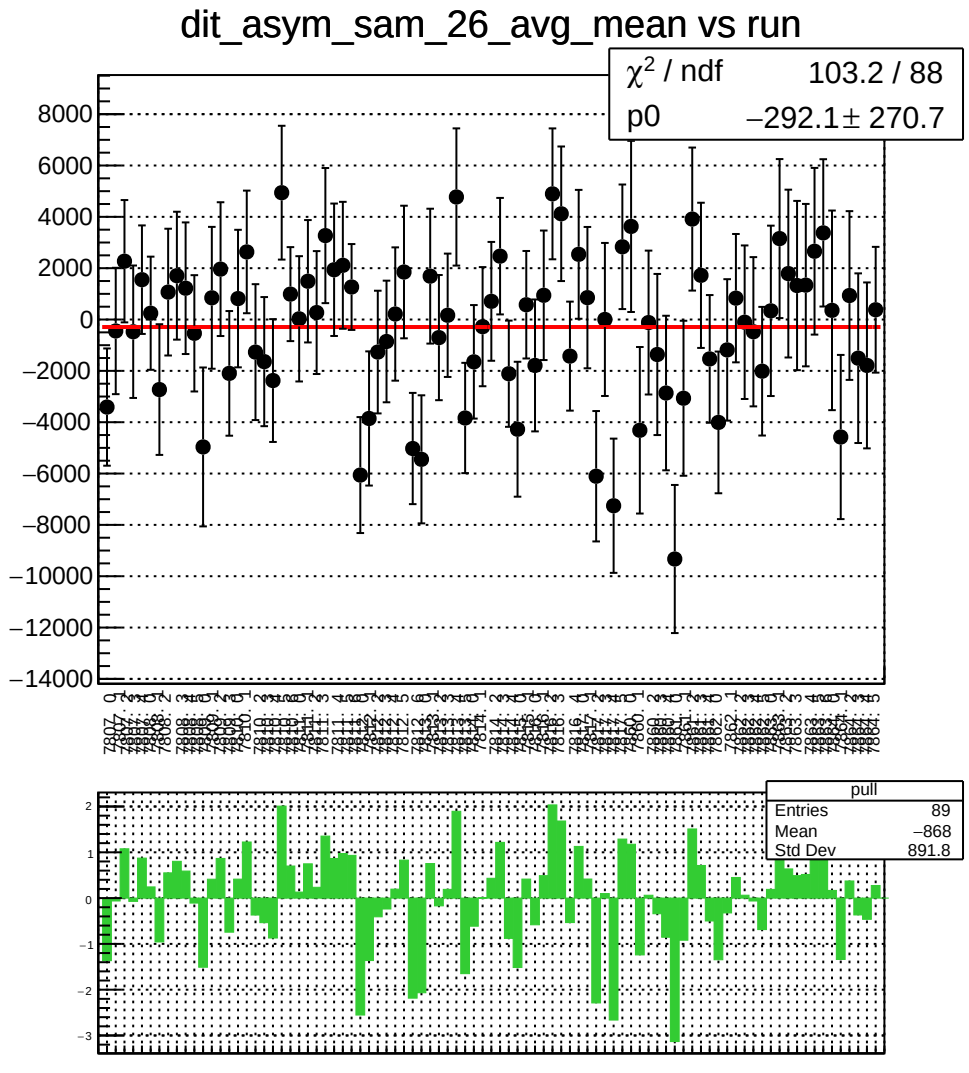

pull1D
Entries 89
Mean −0.02135
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

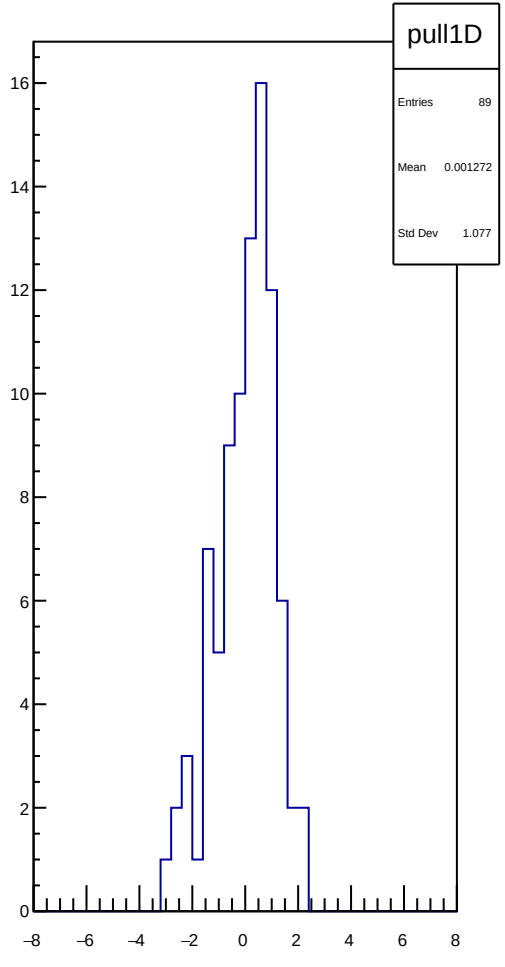

asym_sam_15_avg_correction_rms vs run
χ² / ndf 6944 / 88
p0 280.2 ± 0.2145
360
340
320
300
280
260
240

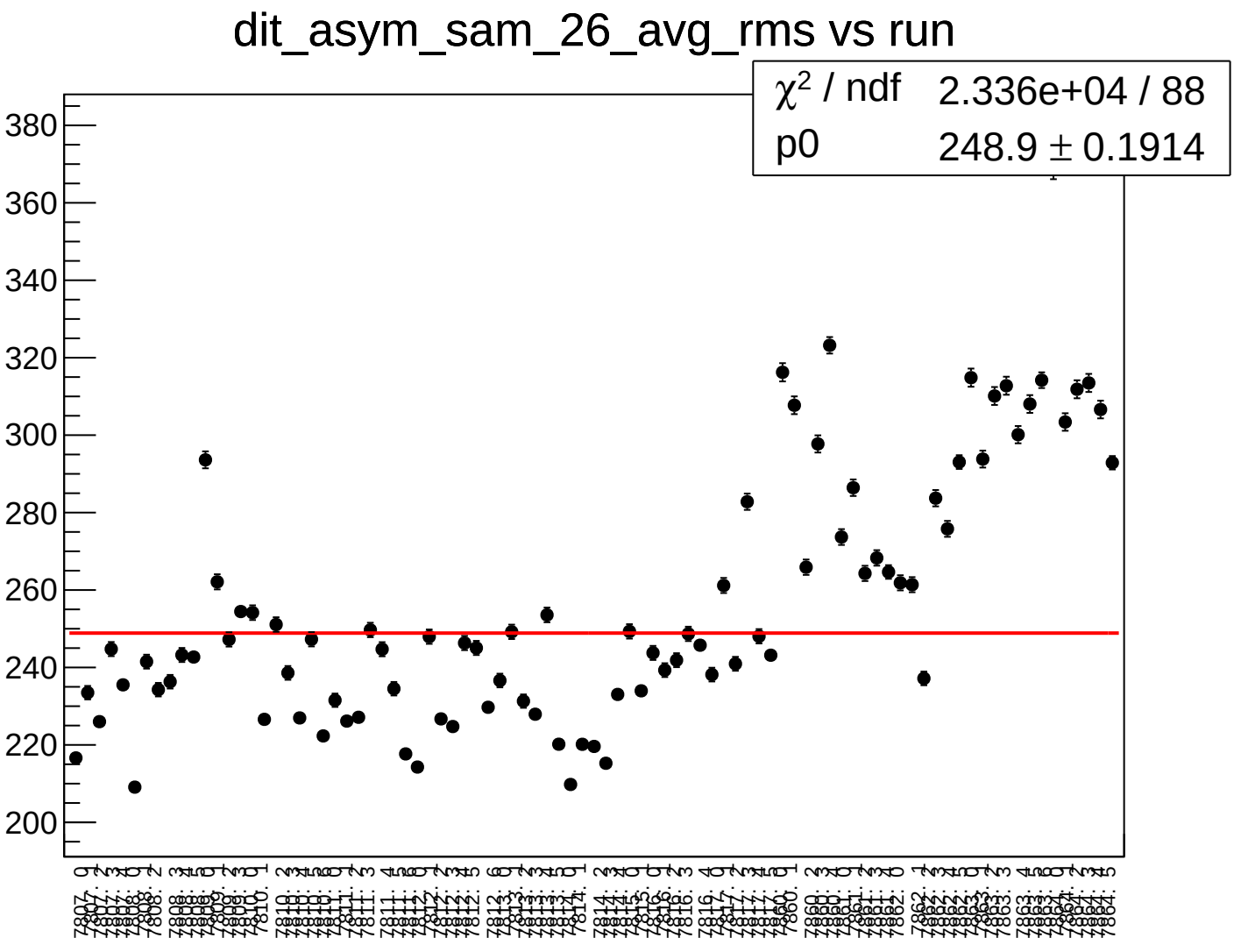

asym_sam_15_avg_mean vs run
χ² / ndf 92.55 / 88
p0 −11.78 ± 307.3
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −4.717
Std Dev 30.5
3
2
1
0
−1
−2

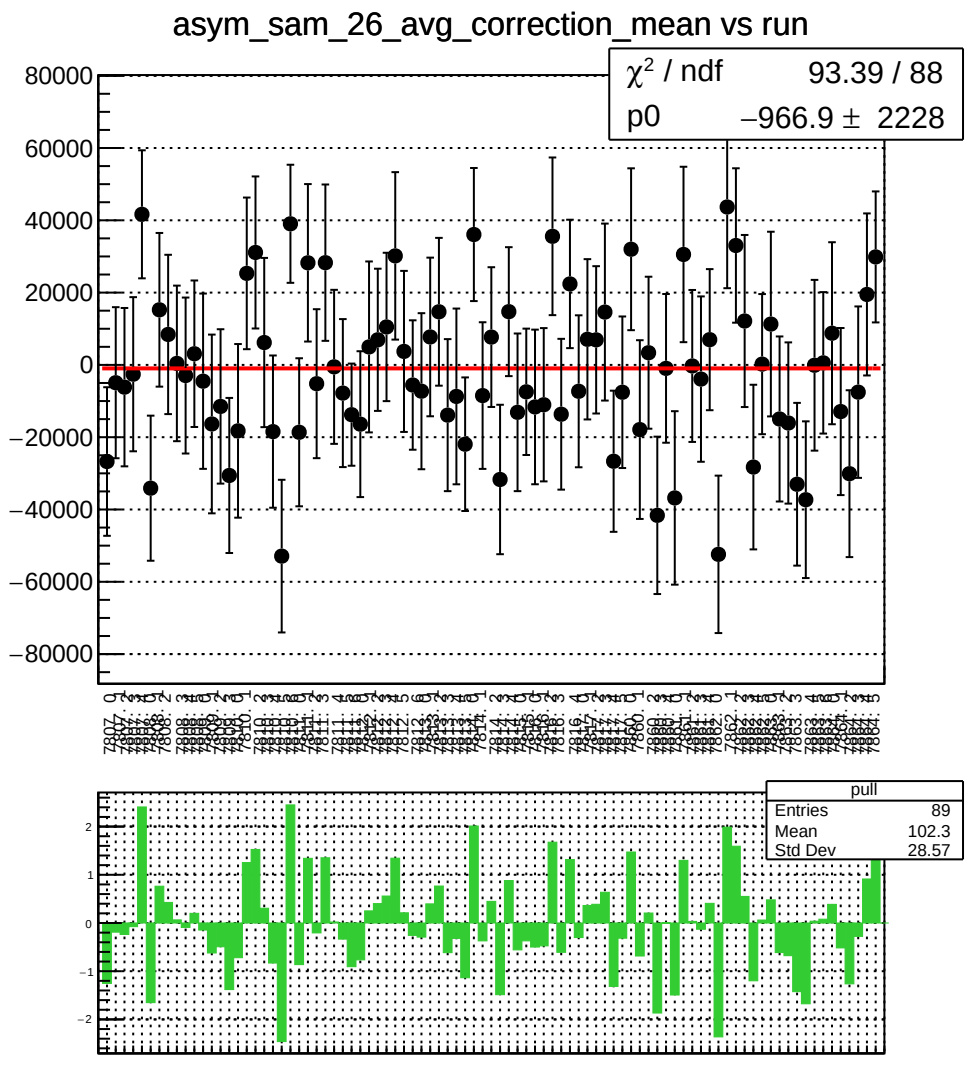

pull1D
Entries 89
Mean 0.02102
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

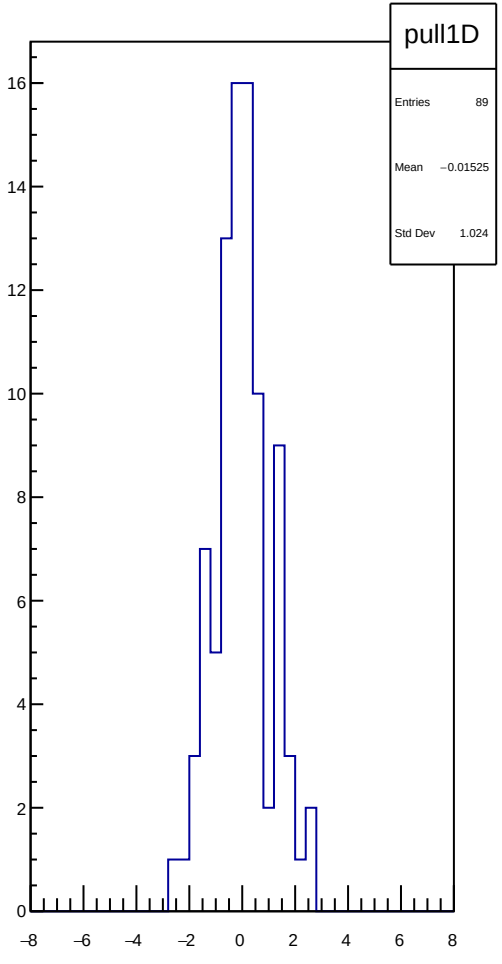

asym_sam_15_avg_rms vs run
χ² / ndf 7590 / 88
p0 283.8 ± 0.2173
360
340
320
300
280
260
240

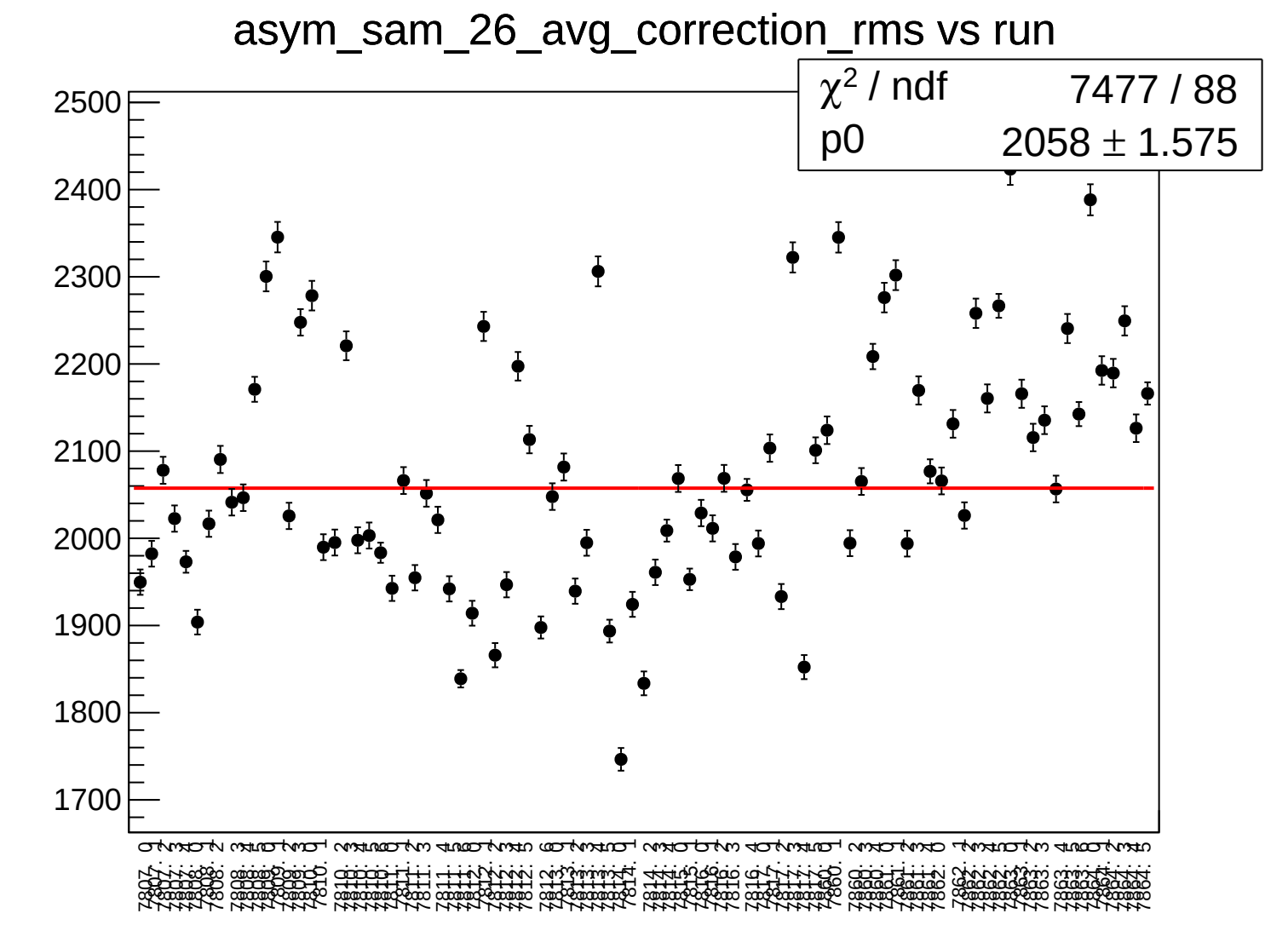

dit_asym_sam_26_avg_mean vs run
χ² / ndf 103.2 / 88
p0 −292.1± 270.7
pull
Entries 89
Mean −868
Std Dev 891.8

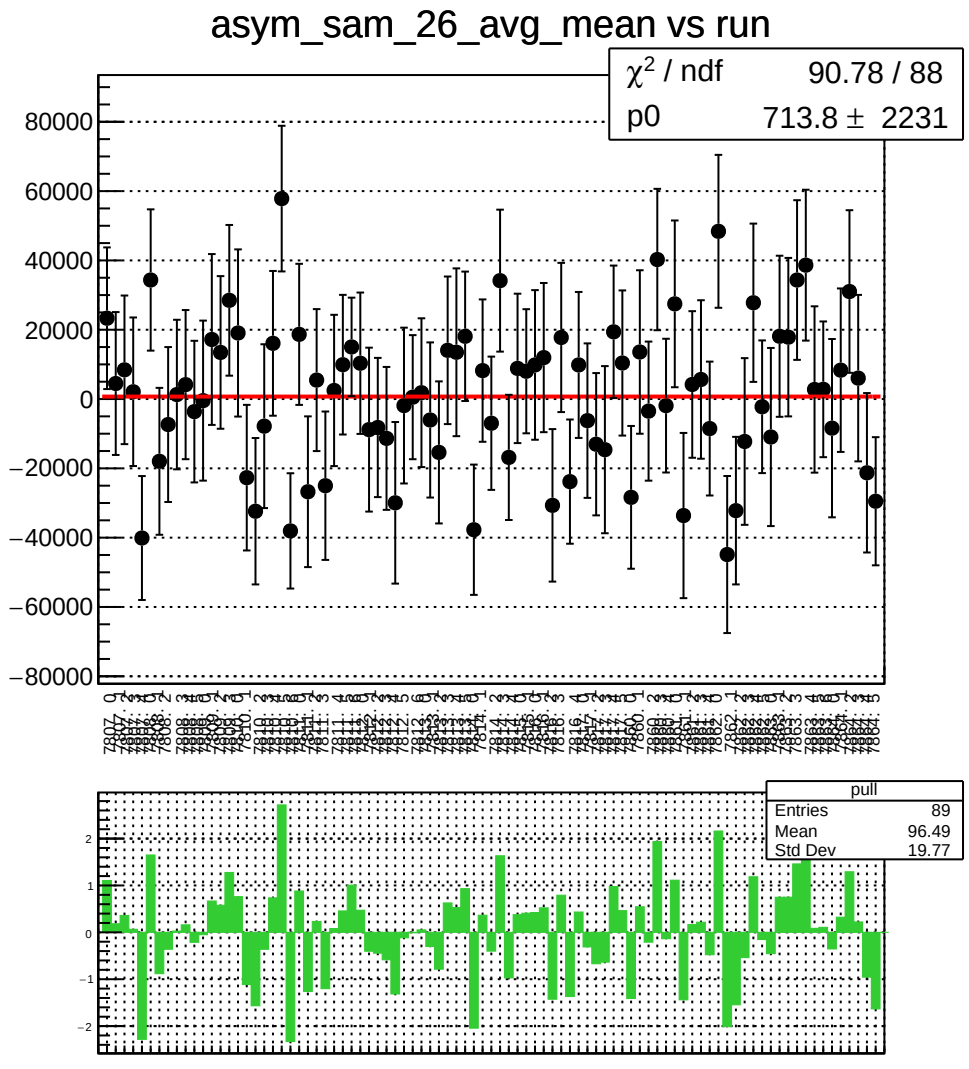

pull1D
Entries 89
Mean 0.001272
Std Dev 1.077

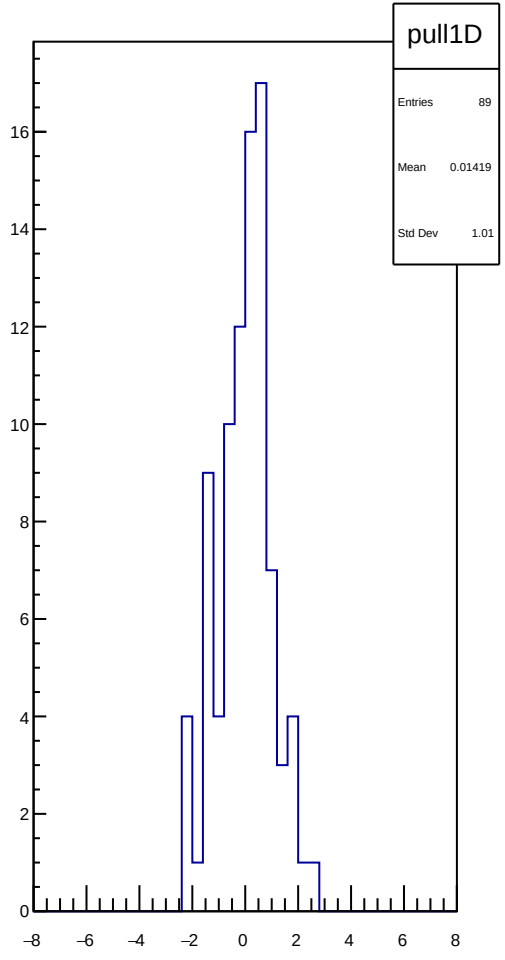

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.336e+04 / 88
p0 248.9 ± 0.1914
380
360
340
320
300
280
260
240
220
200

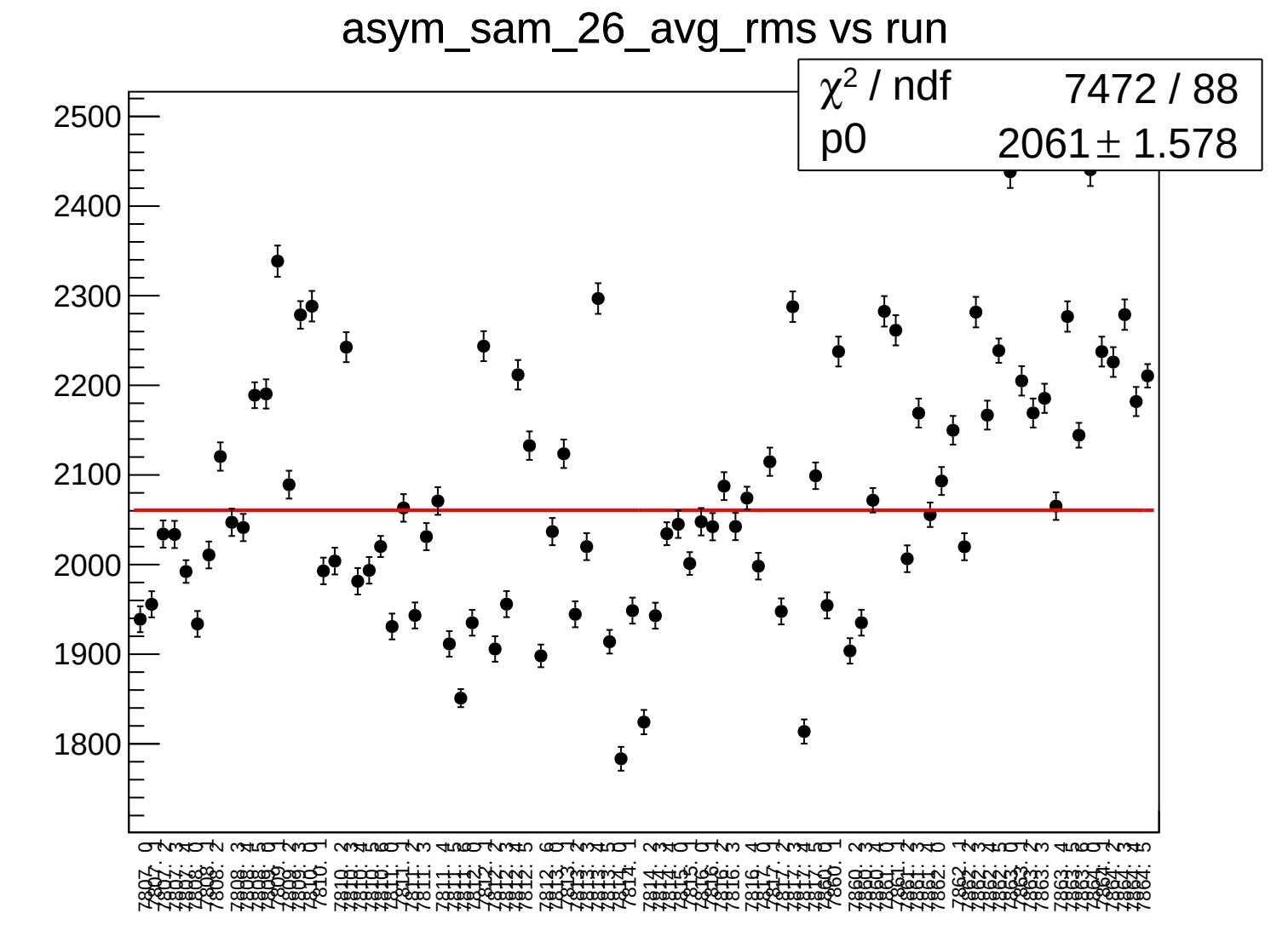

asym_sam_26_avg_correction_mean vs run
χ² / ndf 93.39 / 88
p0 −966.9 ± 2228
pull
Entries 89
Mean 102.3
Std Dev 28.57

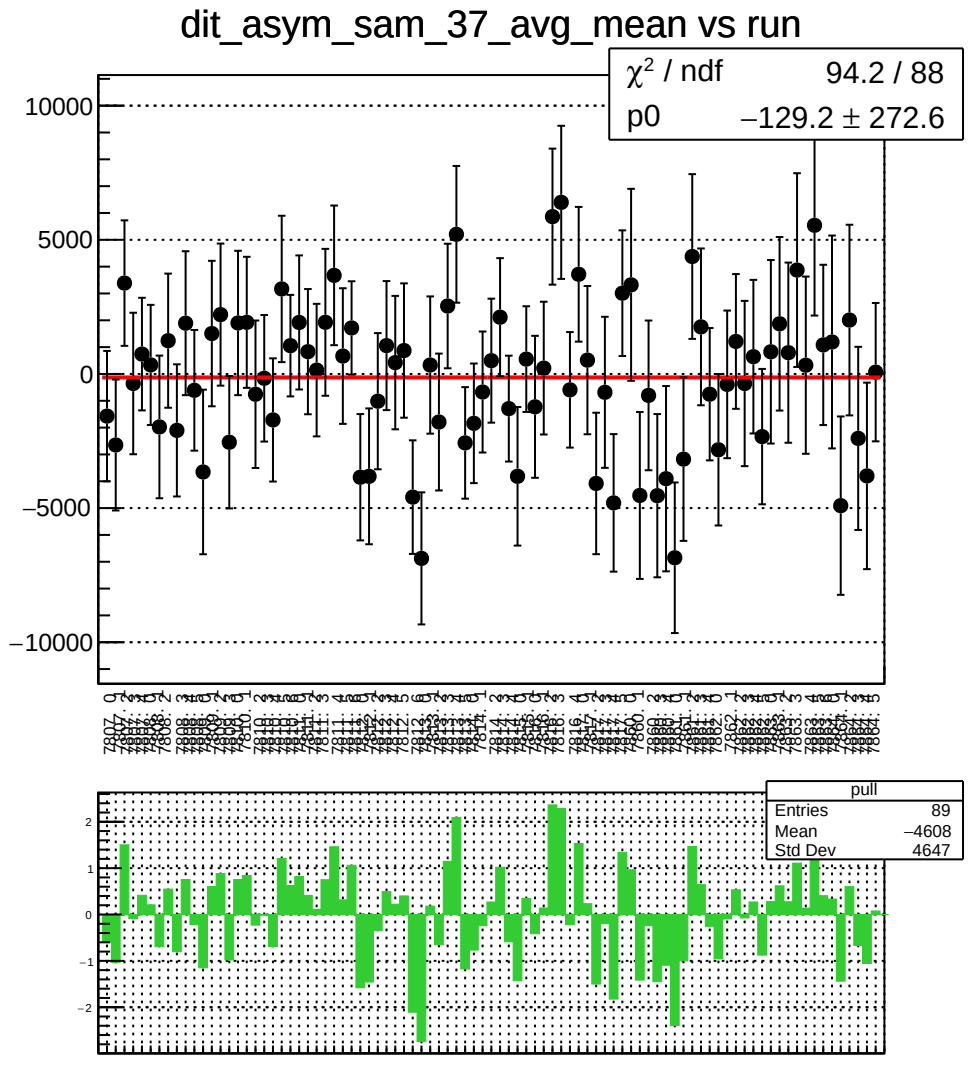

pull1D
Entries 89
Mean −0.01525
Std Dev 1.024

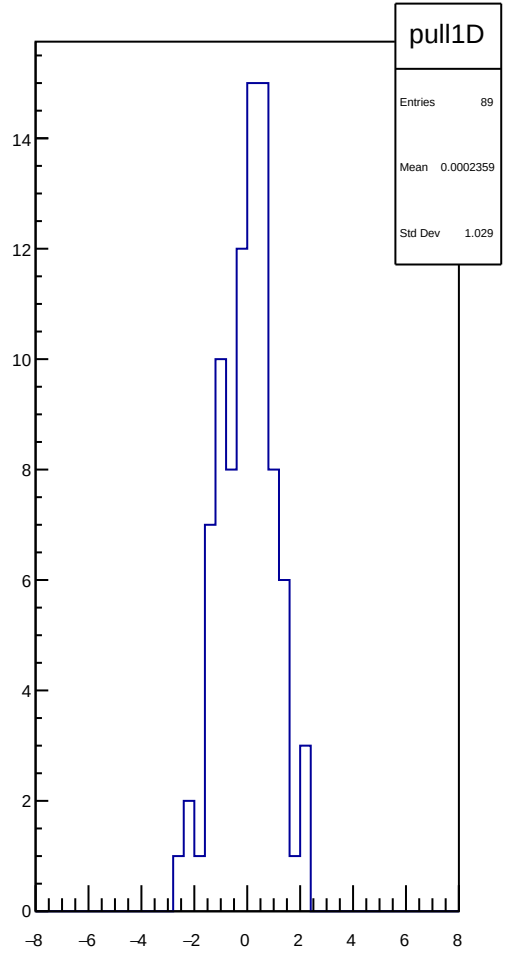

asym_sam_26_avg_correction_rms vs run
χ² / ndf 7477 / 88
p0 2058 ± 1.575
2500
2400
2300
2200
2100
2000
1900
1800
1700

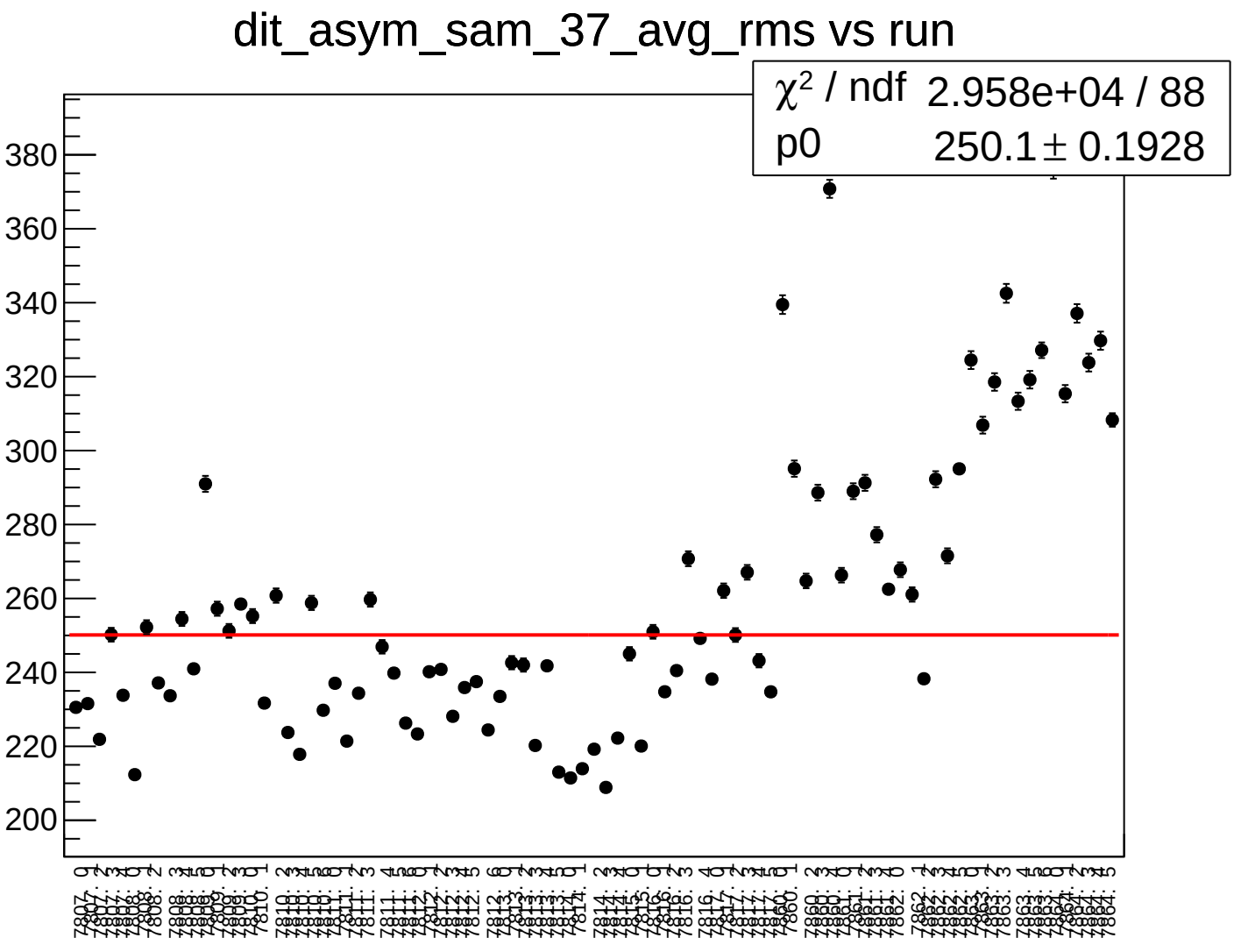

asym_sam_26_avg_mean vs run
χ² / ndf 90.78 / 88
p0 713.8 ± 2231
pull
Entries 89
Mean 96.49
Std Dev 19.77

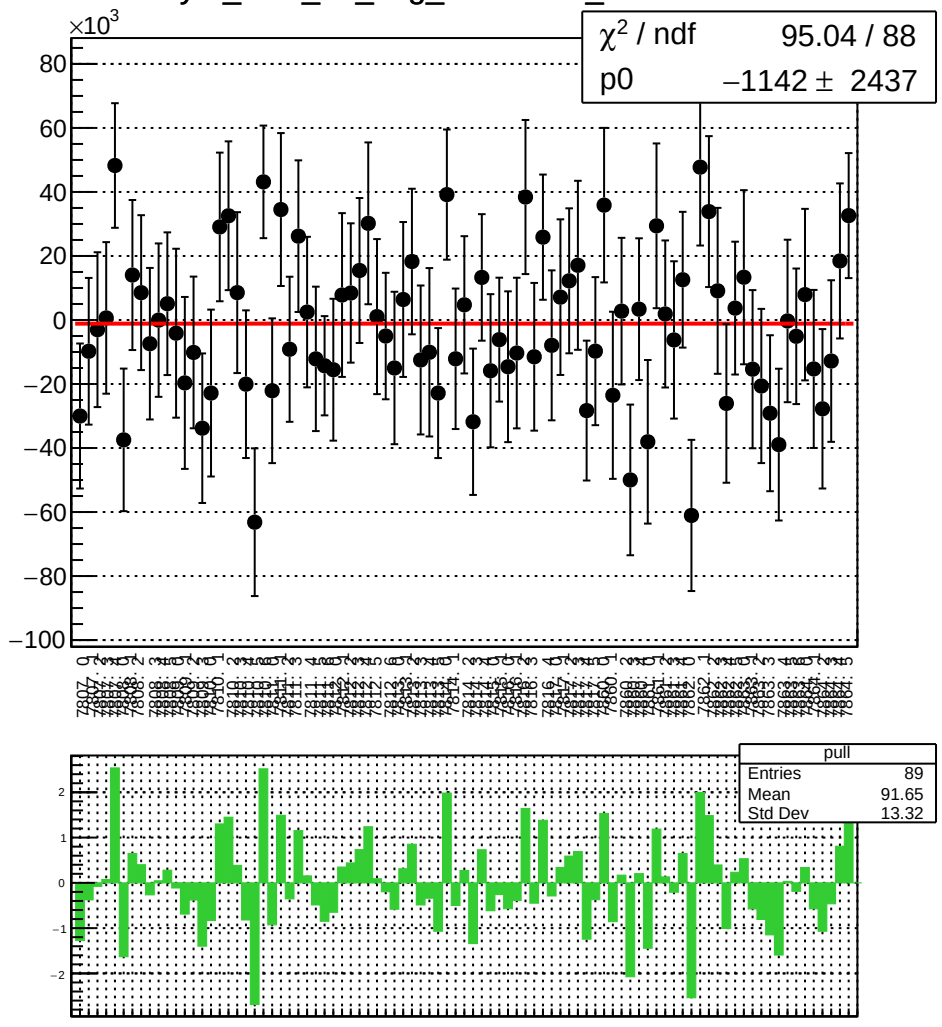

pull1D
Entries 89
Mean 0.01419
Std Dev 1.01

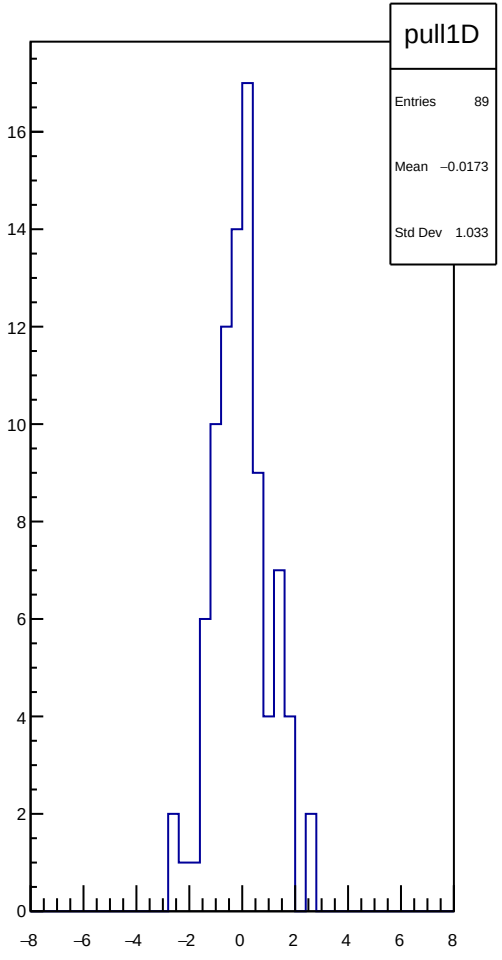

asym_sam_26_avg_rms vs run
χ² / ndf 7472 / 88
p0 2061 ± 1.578
2500
2400
2300
2200
2100
2000
1900
1800

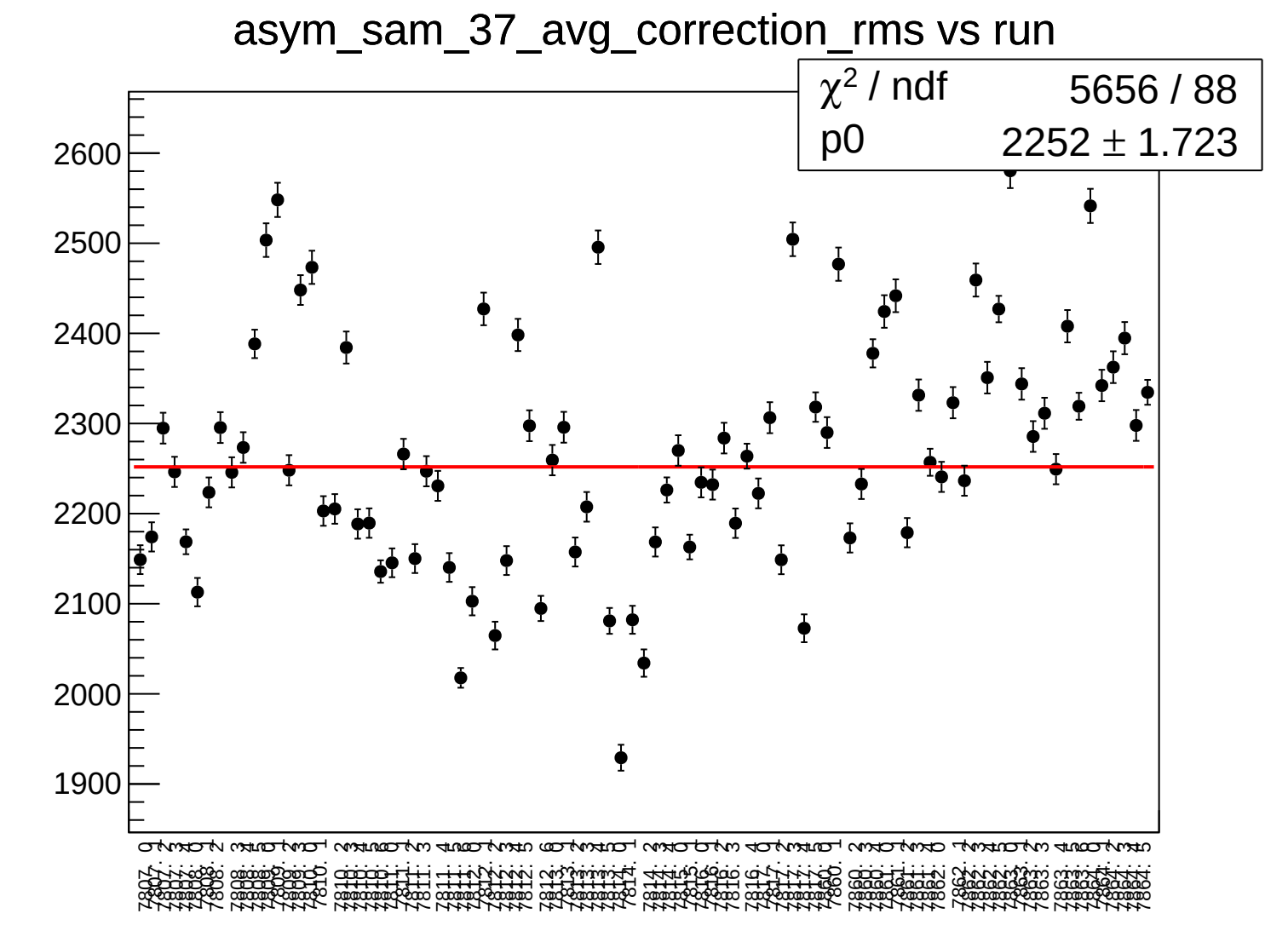

dit_asym_sam_37_avg_mean vs run
χ² / ndf 94.2 / 88
p0 −129.2 ± 272.6
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −4608
Std Dev 4647
2
1
0
−1
−2

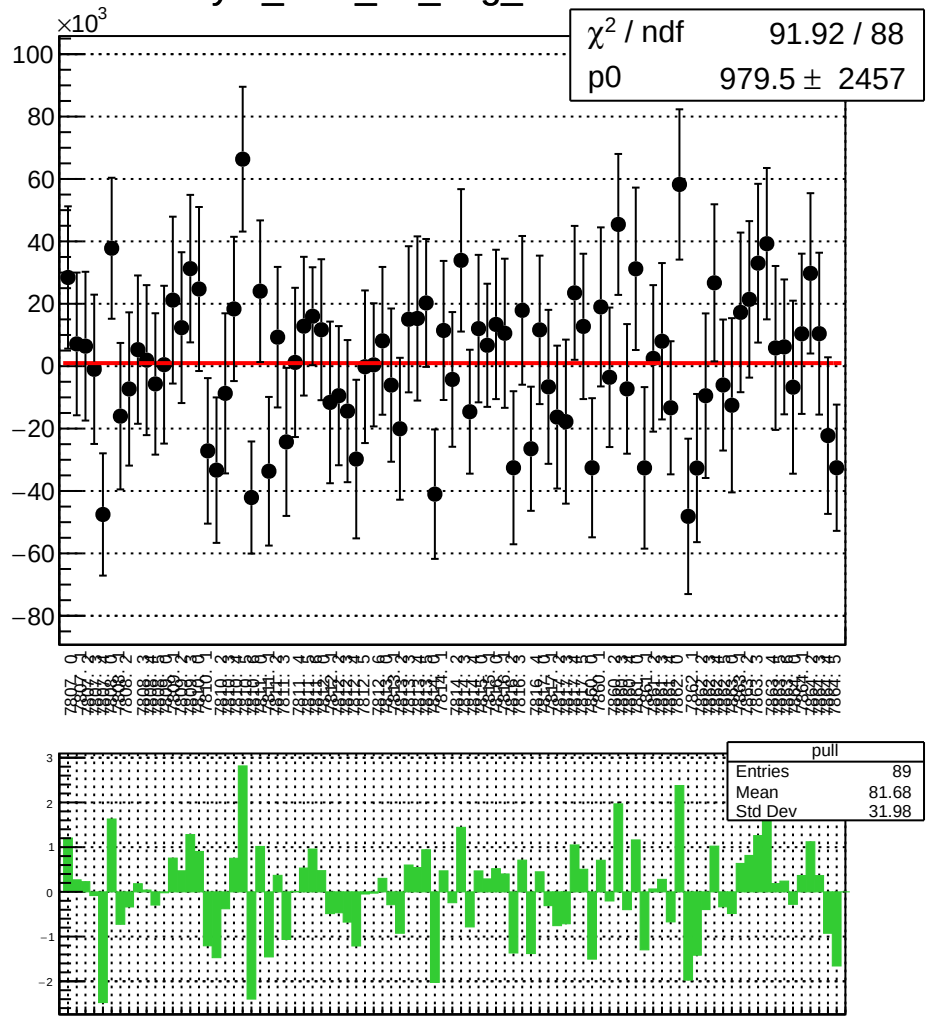

pull1D
Entries 89
Mean 0.0002359
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

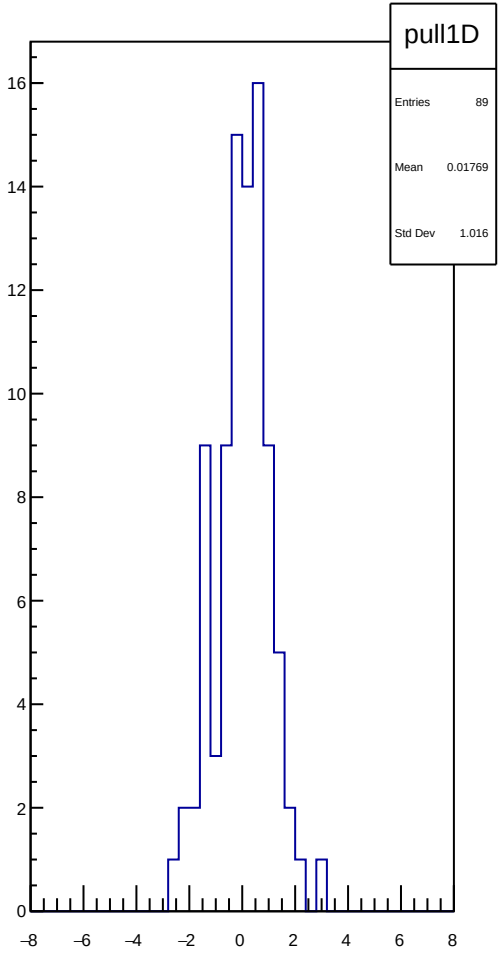

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2.958e+04 / 88
p0 250.1 ± 0.1928
380
360
340
320
300
280
260
240
220
200

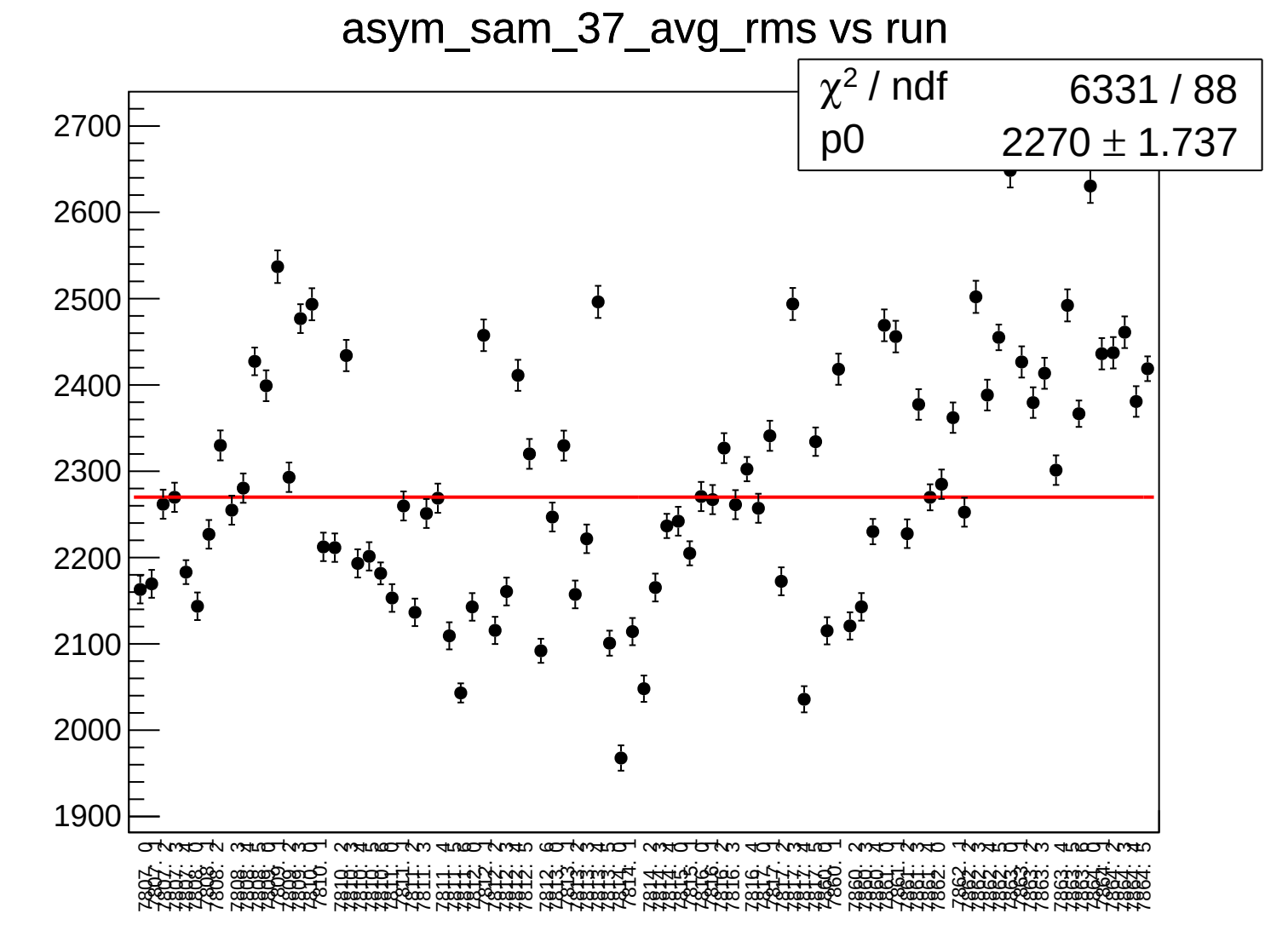

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 95.04 / 88
p0 −1142 ± 2437
pull
Entries 89
Mean 91.65
Std Dev 13.32

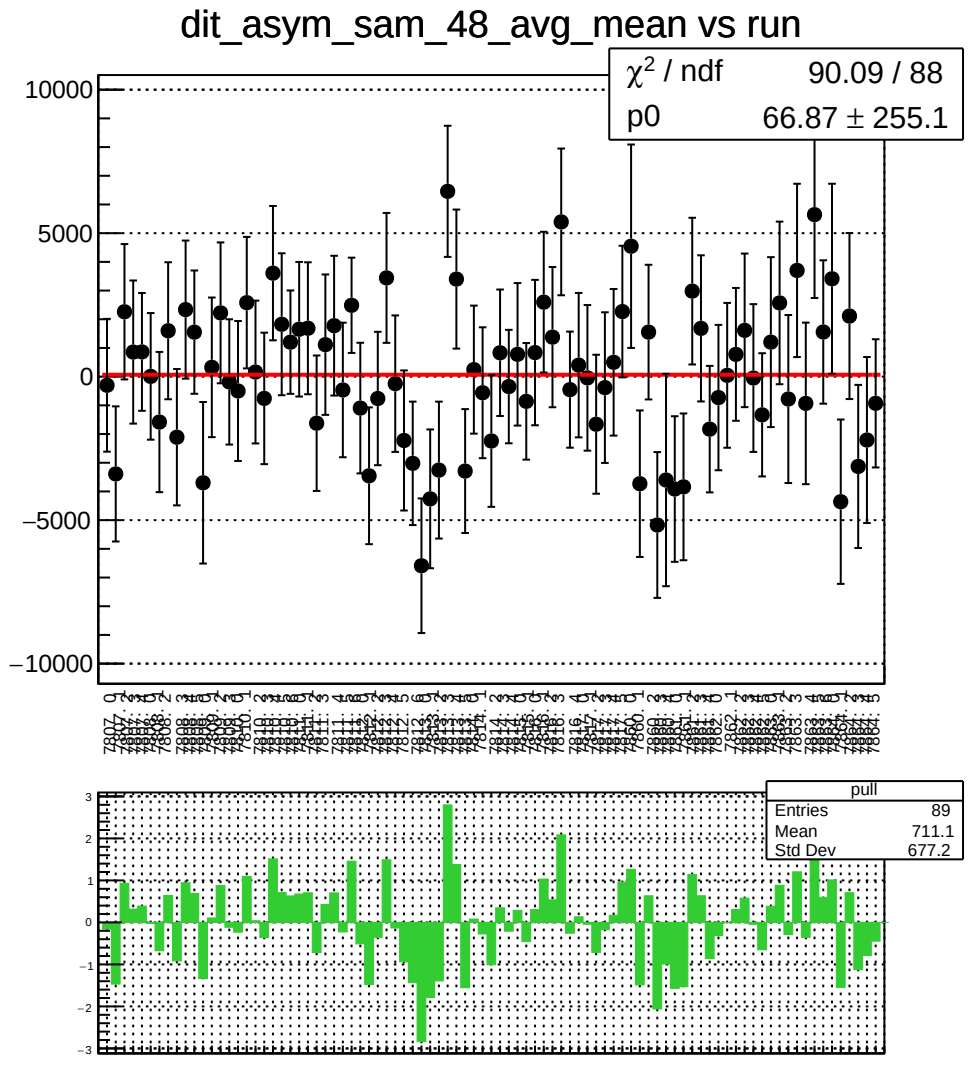

pull1D
Entries 89
Mean −0.0173
Std Dev 1.033

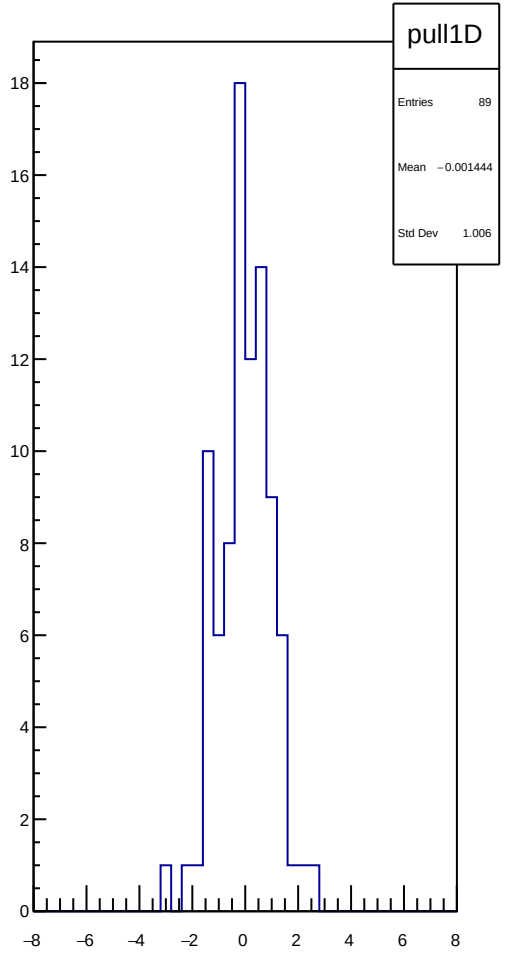

asym_sam_37_avg_correction_rms vs run
χ² / ndf 5656 / 88
p0 2252 ± 1.723
2600
2500
2400
2300
2200
2100
2000
1900

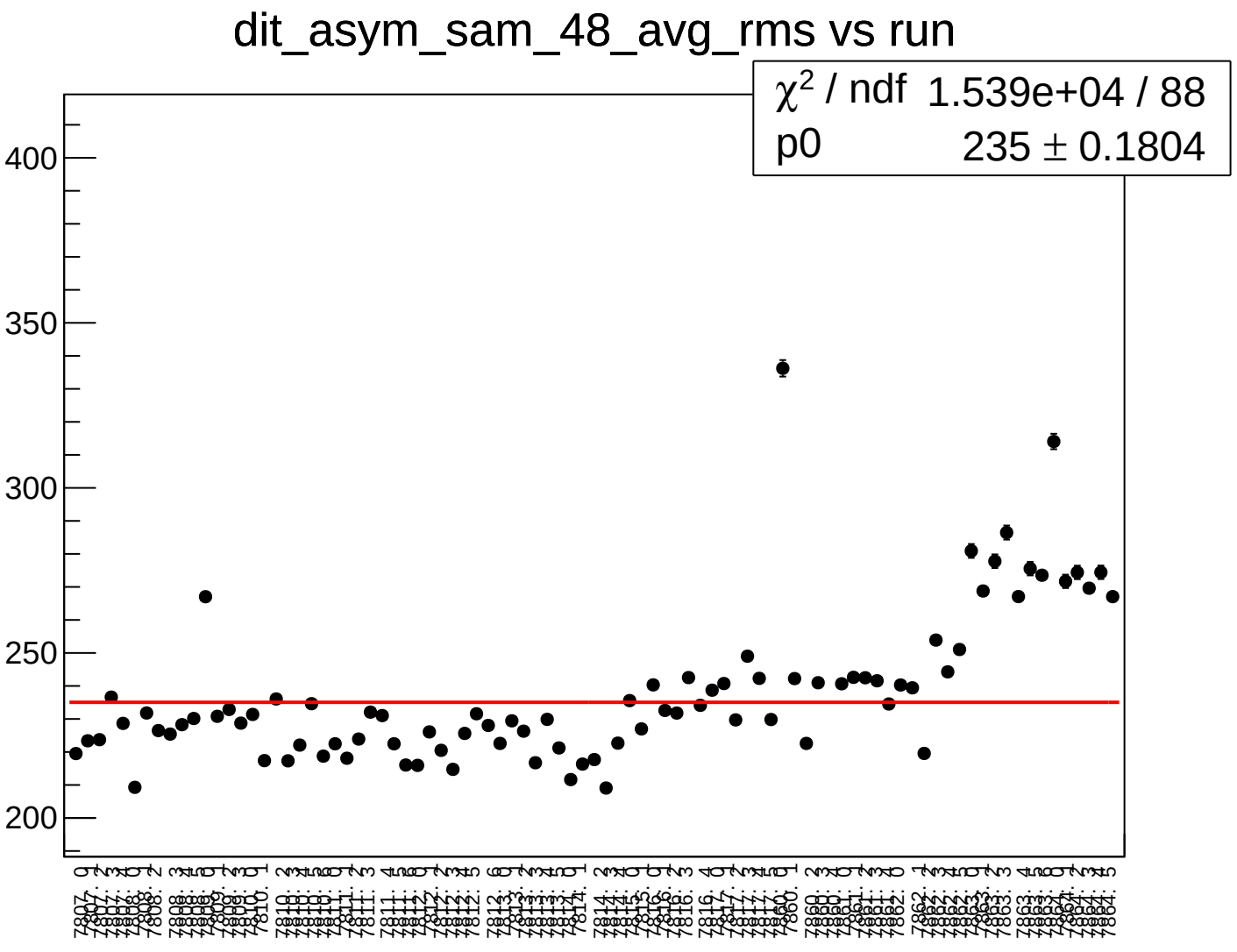

asym_sam_37_avg_mean vs run
×10^3
χ^2 / ndf 91.92 / 88
p0 979.5 ± 2457
pull
Entries 89
Mean 81.68
Std Dev 31.98

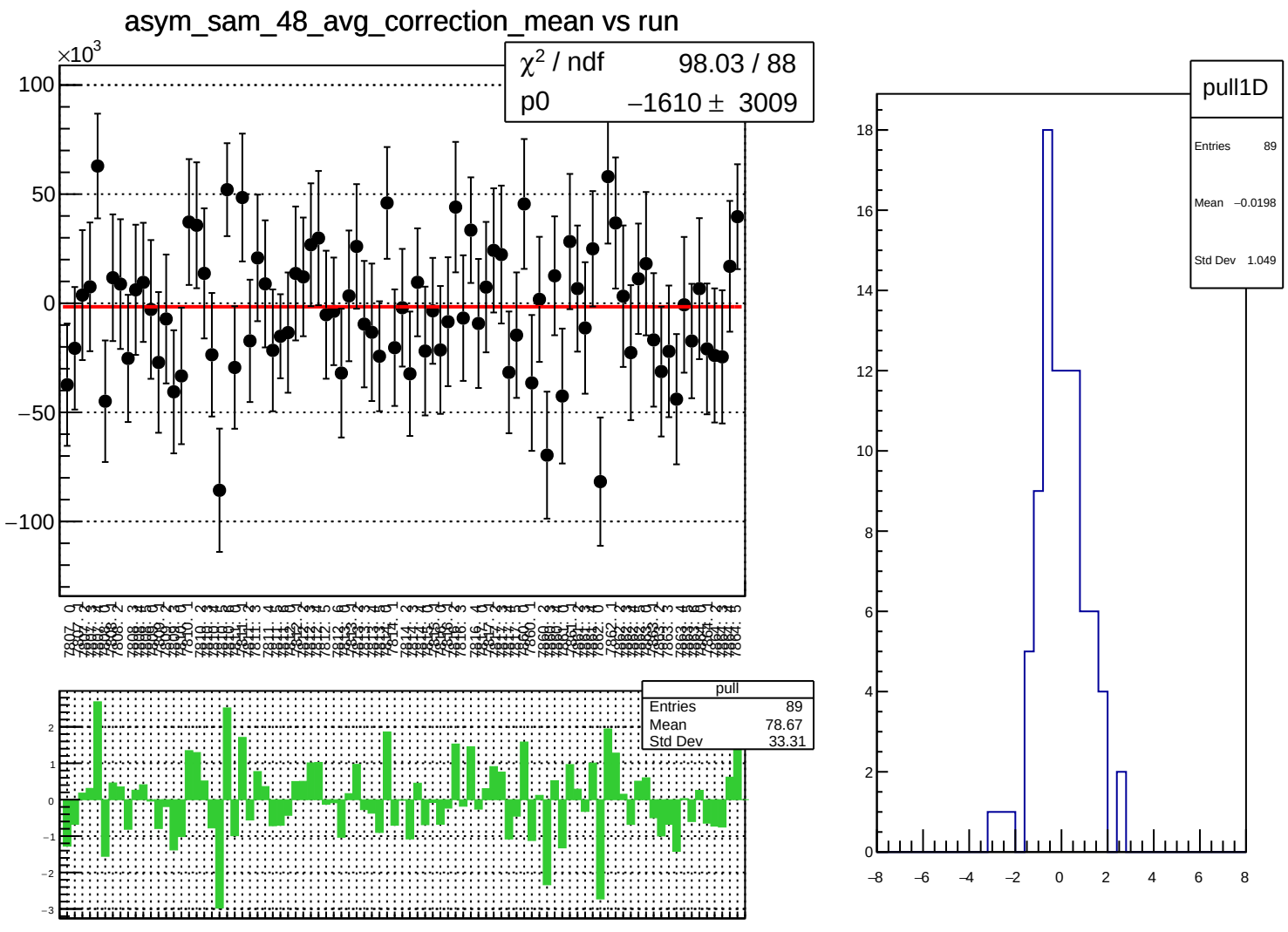

pull1D
Entries 89
Mean 0.01769
Std Dev 1.016

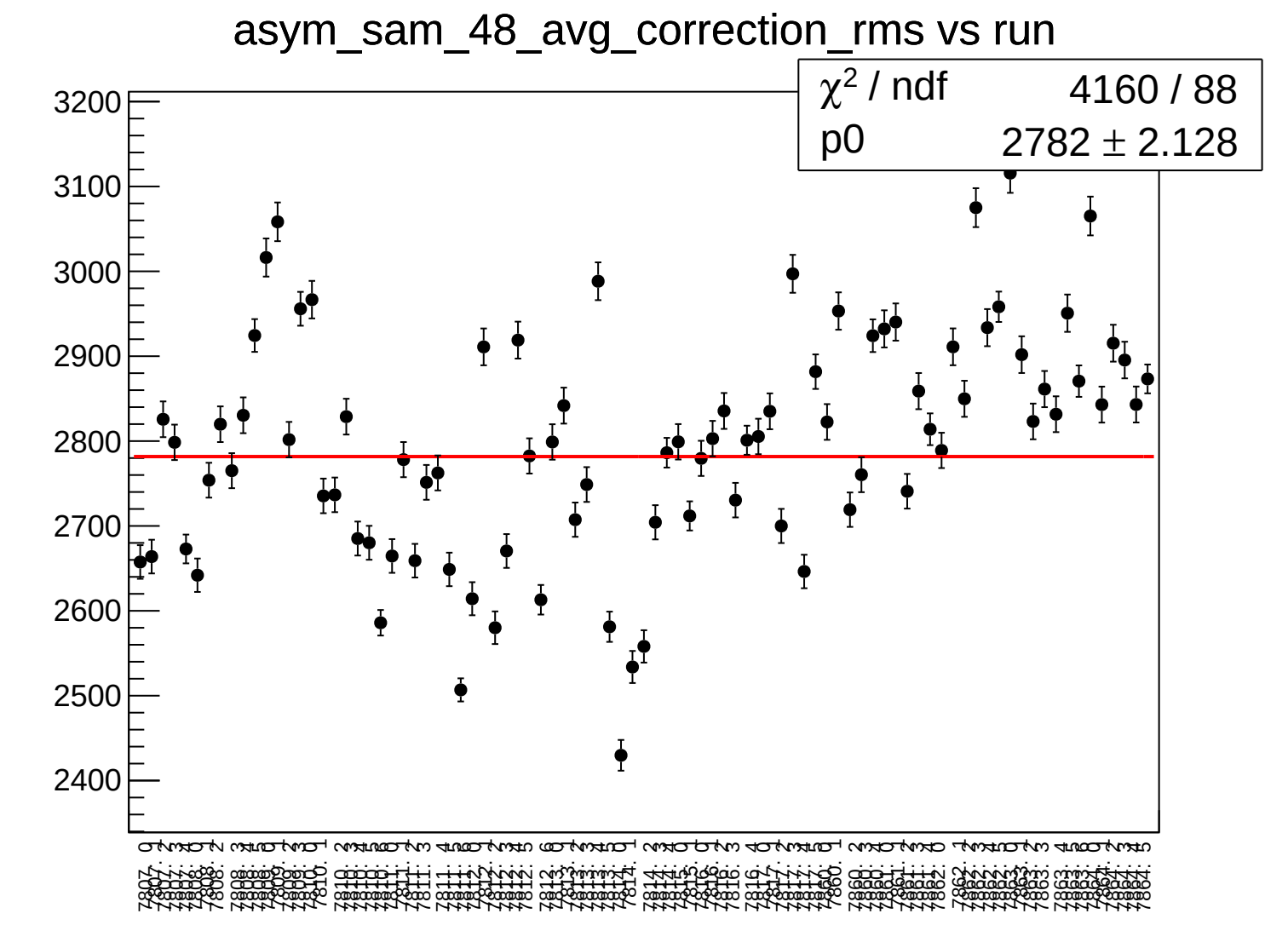

asym_sam_37_avg_rms vs run
χ² / ndf 6331 / 88
p0 2270 ± 1.737
2700
2600
2500
2400
2300
2200
2100
2000
1900

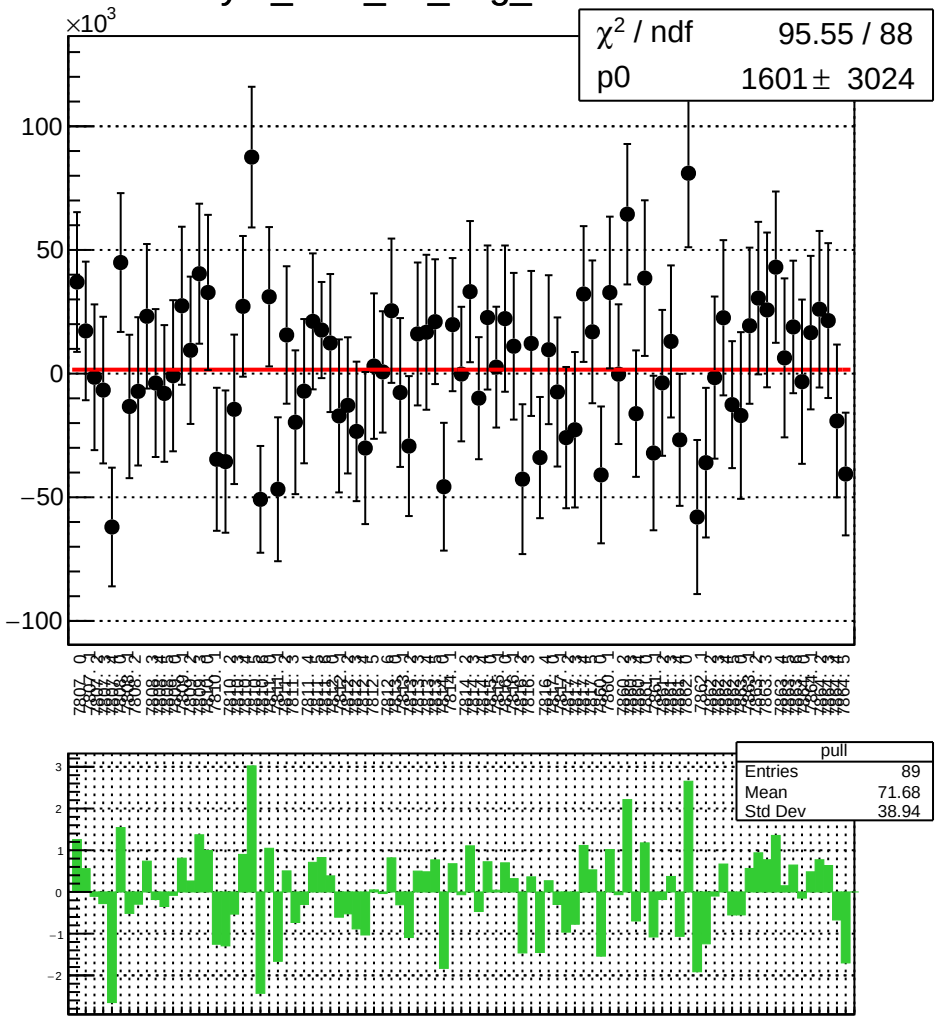

dit_asym_sam_48_avg_mean vs run
χ² / ndf 90.09 / 88
p0 66.87 ± 255.1
pull
Entries 89
Mean 711.1
Std Dev 677.2

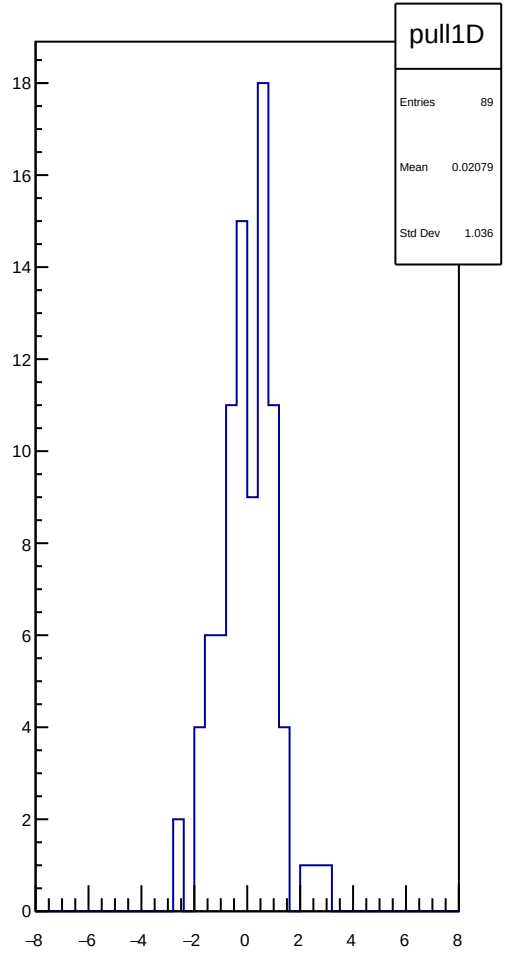

pull1D
Entries 89
Mean −0.001444
Std Dev 1.006

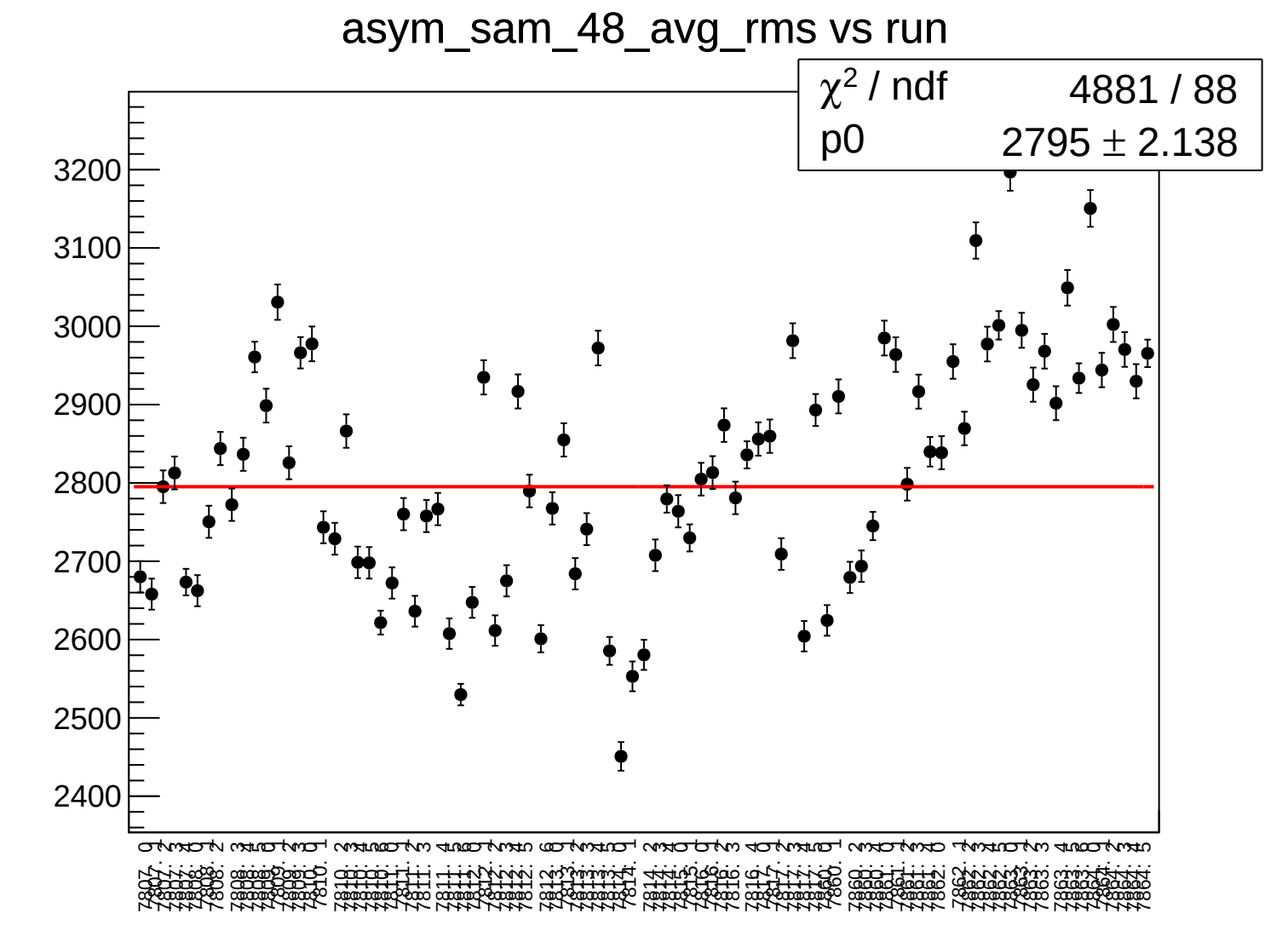

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.539e+04 / 88
p0 235 ± 0.1804
400
350
300
250
200

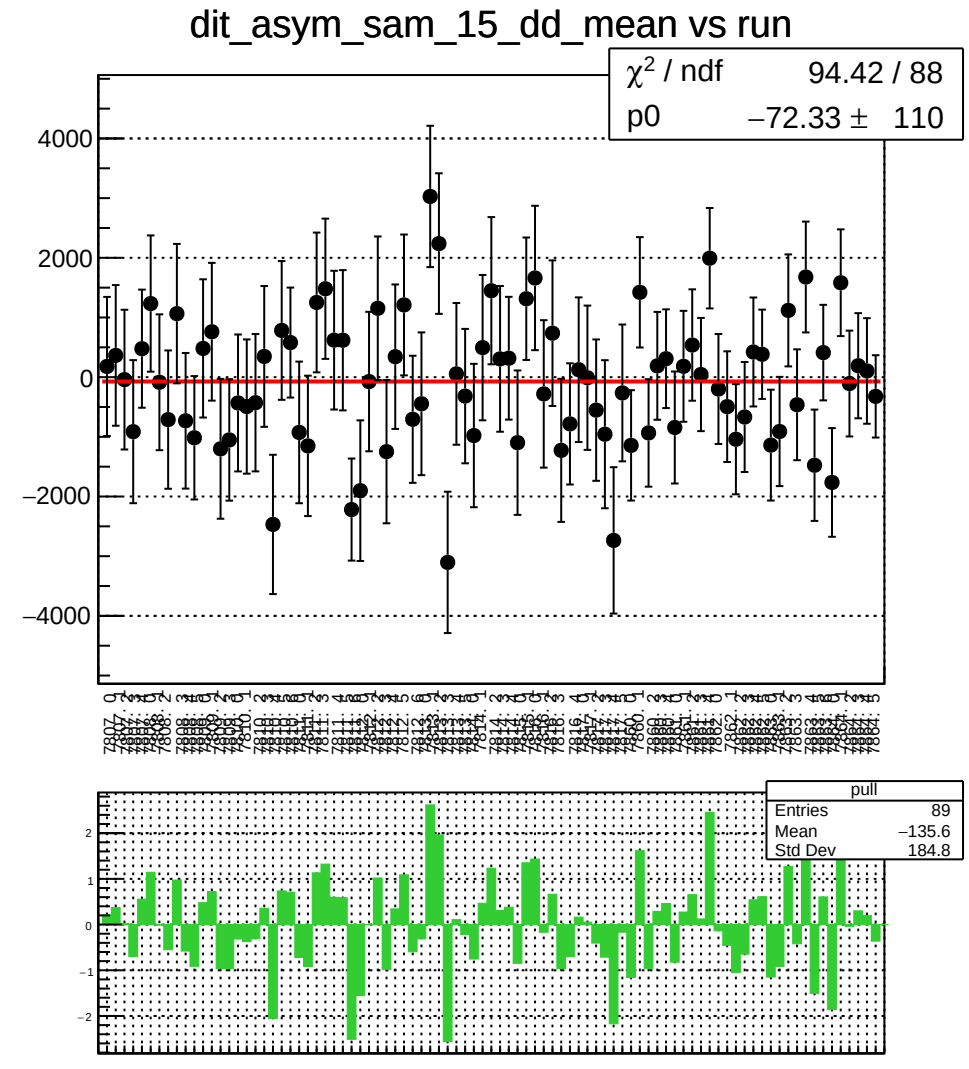

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 98.03 / 88
p0 −1610 ± 3009
100
50
0
−50
−100
pull
Entries 89
Mean 78.67
Std Dev 33.31
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.0198
Std Dev 1.049
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

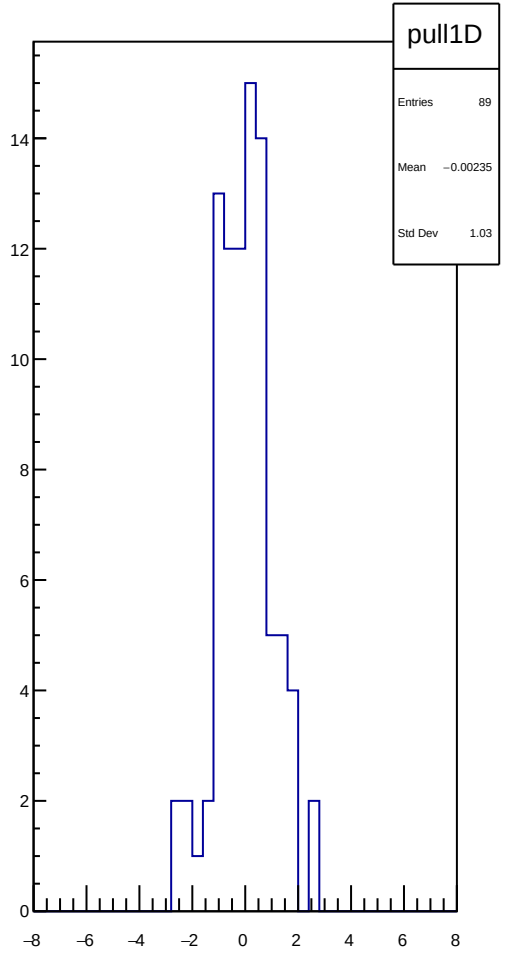

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4160 / 88
p0 2782 ± 2.128
3200
3100
3000
2900
2800
2700
2600
2500
2400

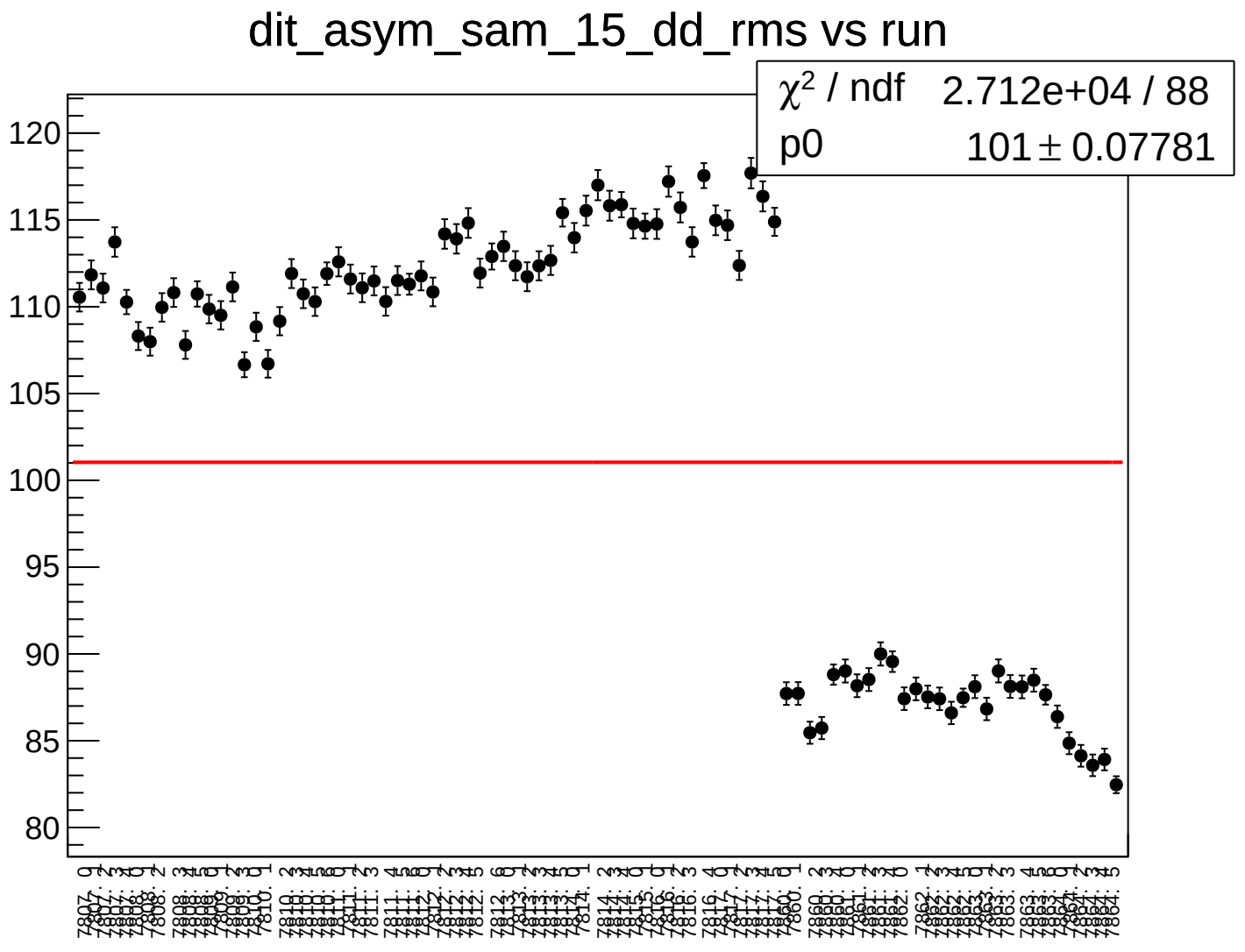

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 95.55 / 88
p0 1601 ± 3024
100
50
0
−50
−100
pull
Entries 89
Mean 71.68
Std Dev 38.94
3
2
1
0
−1
−2

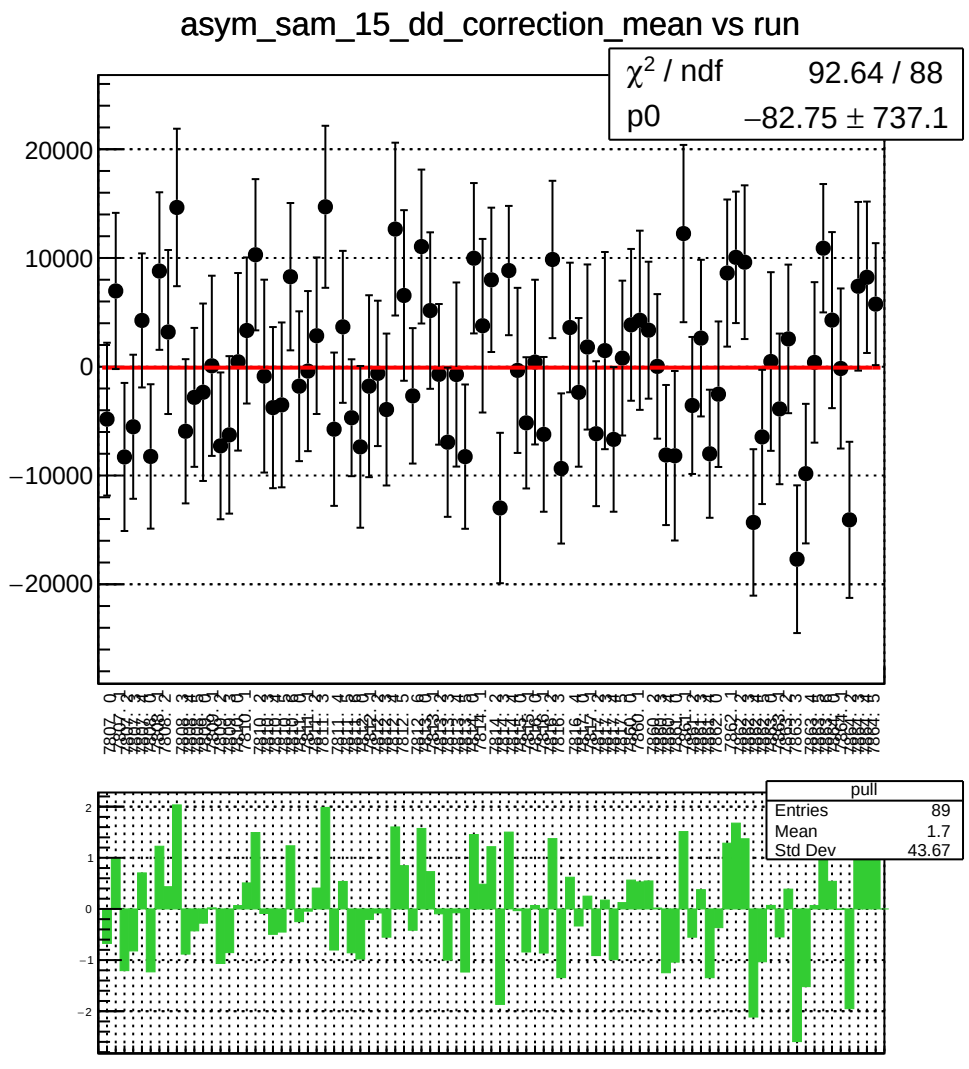

pull1D
Entries 89
Mean 0.02079
Std Dev 1.036
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

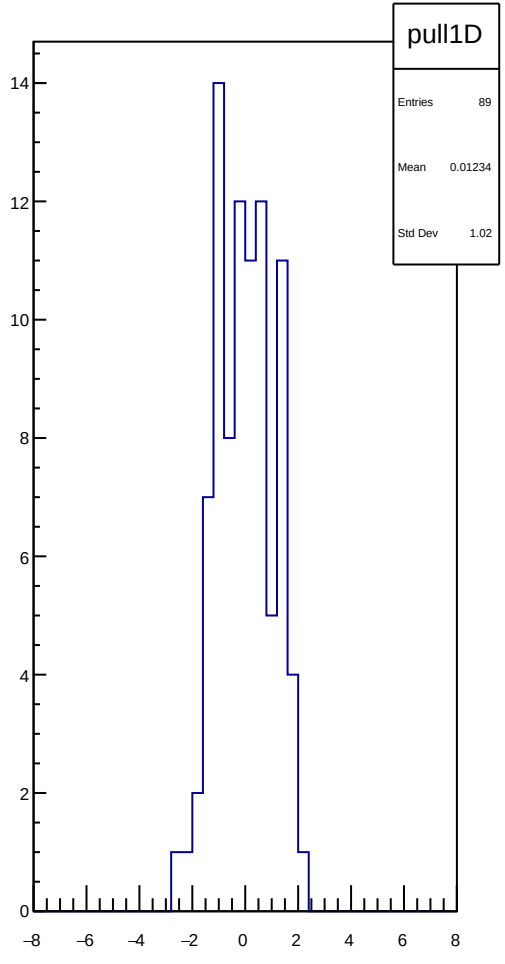

asym_sam_48_avg_rms vs run
χ² / ndf 4881 / 88
p0 2795 ± 2.138
3200
3100
3000
2900
2800
2700
2600
2500
2400

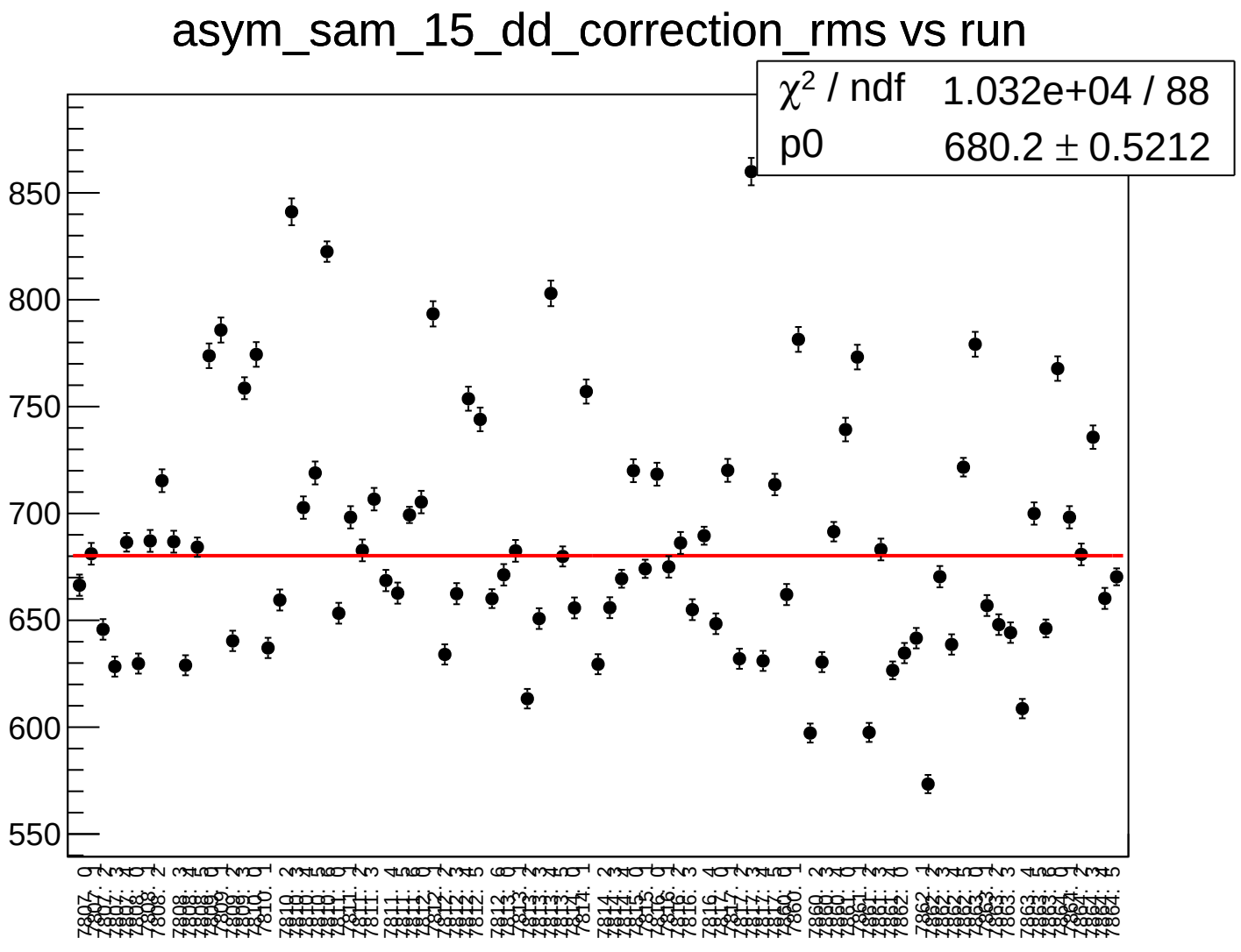

dit_asym_sam_15_dd_mean vs run
χ² / ndf 94.42 / 88
p0 −72.33 ± 110
4000
2000
0
−2000
−4000
pull
Entries 89
Mean −135.6
Std Dev 184.8
2
1
0
−1
−2

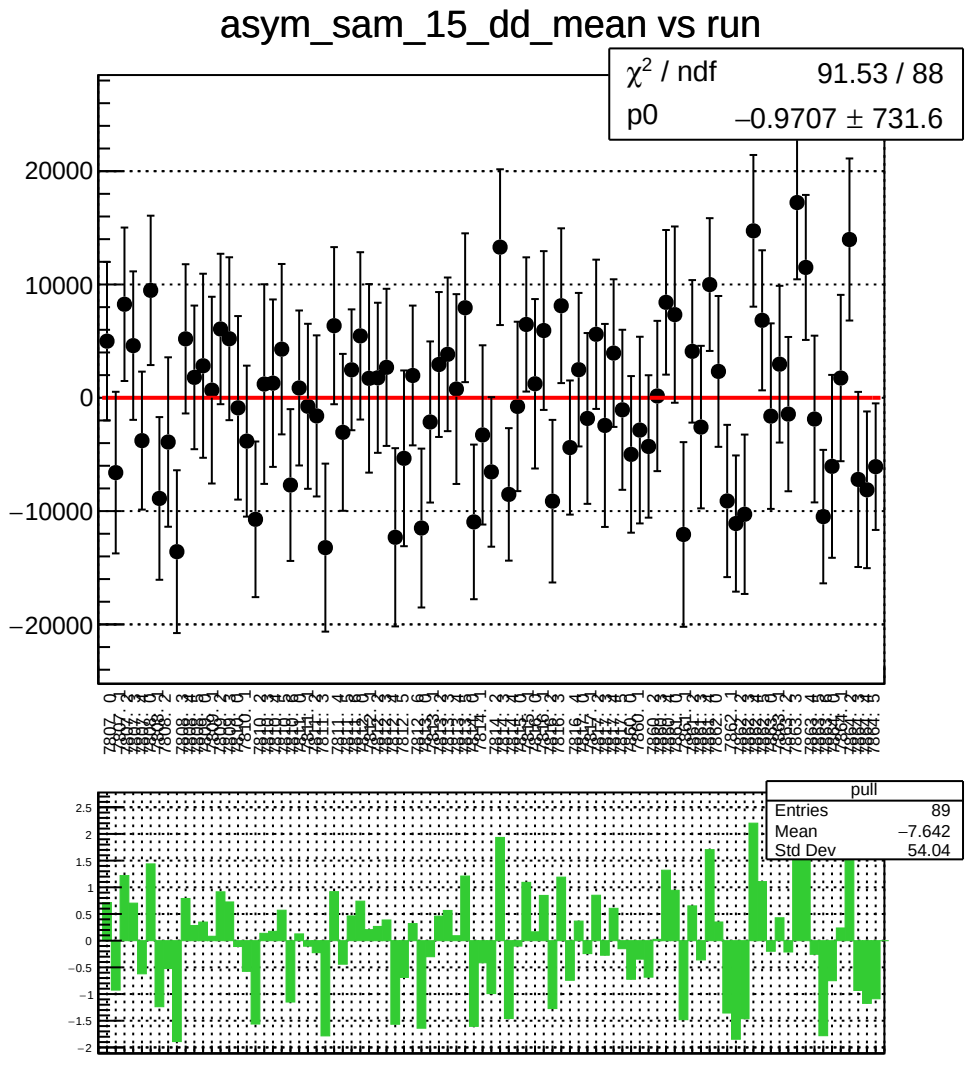

pull1D
Entries 89
Mean −0.00235
Std Dev 1.03
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

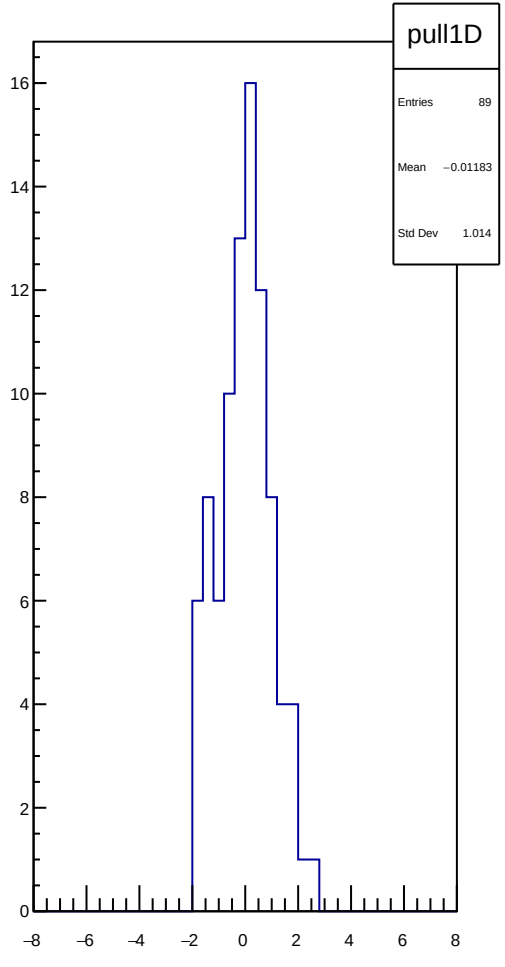

dit_asym_sam_15_dd_rms vs run
χ² / ndf 2.712e+04 / 88
p0 101 ± 0.07781
120
115
110
105
100
95
90
85
80

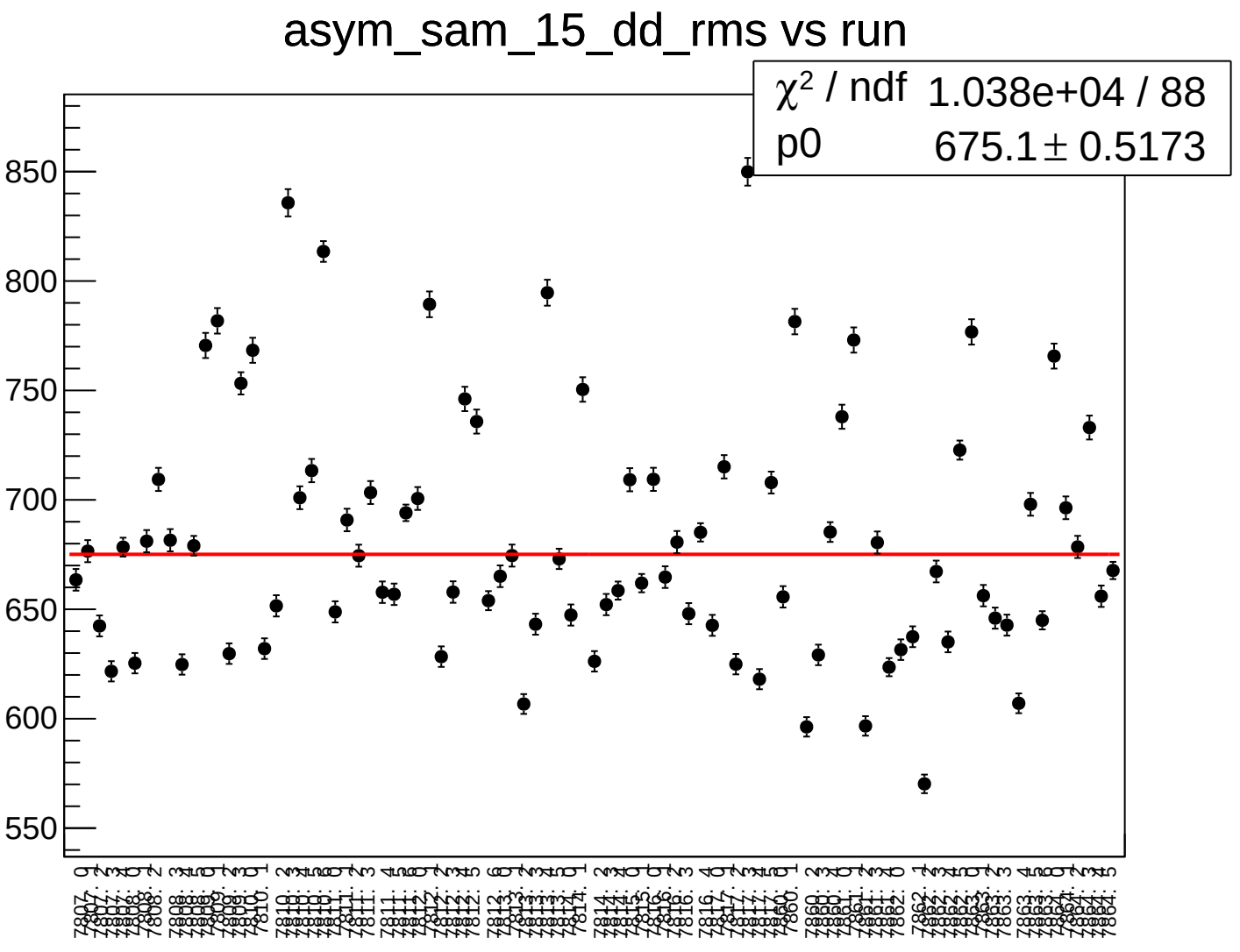

asym_sam_15_dd_correction_mean vs run
χ² / ndf 92.64 / 88
p0 −82.75 ± 737.1
20000
10000
0
−10000
−20000
pull
Entries 89
Mean 1.7
Std Dev 43.67
2
1
0
−1
−2

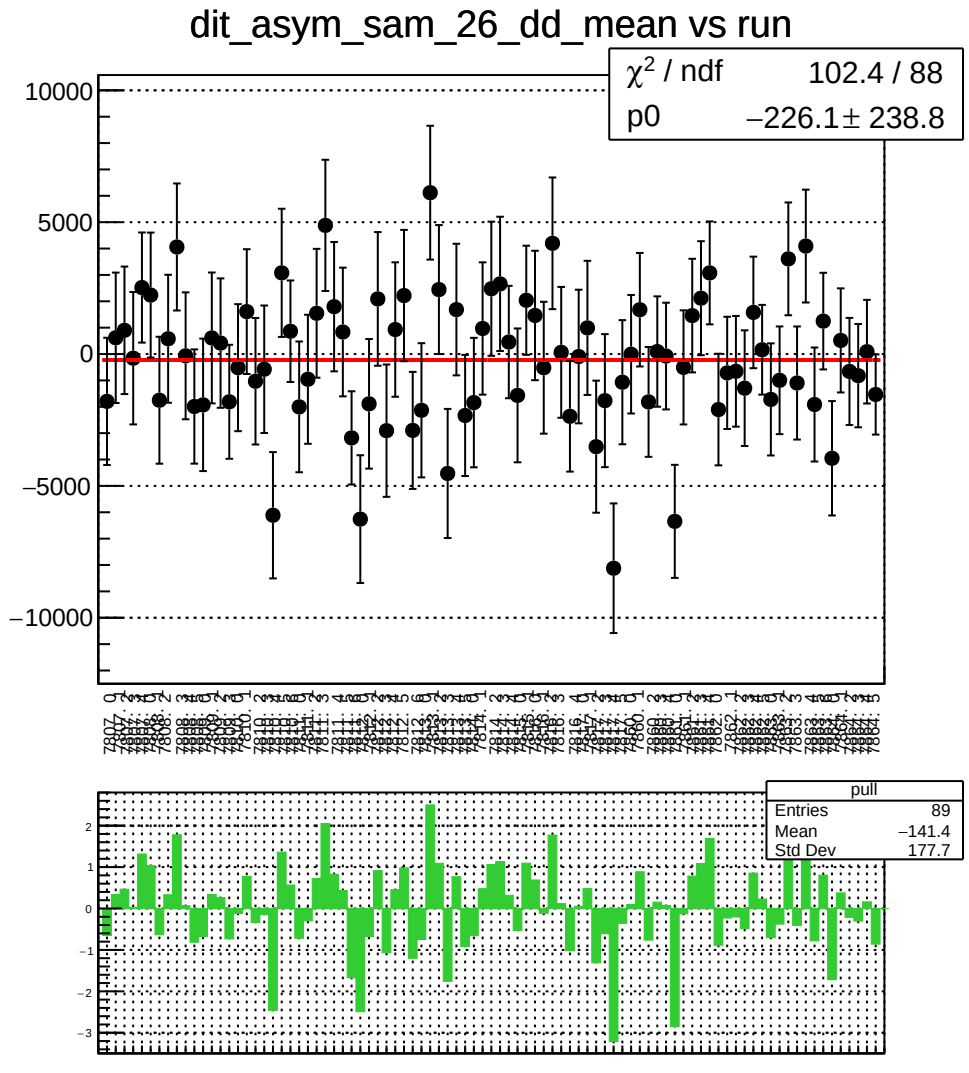

pull1D
Entries 89
Mean 0.01234
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

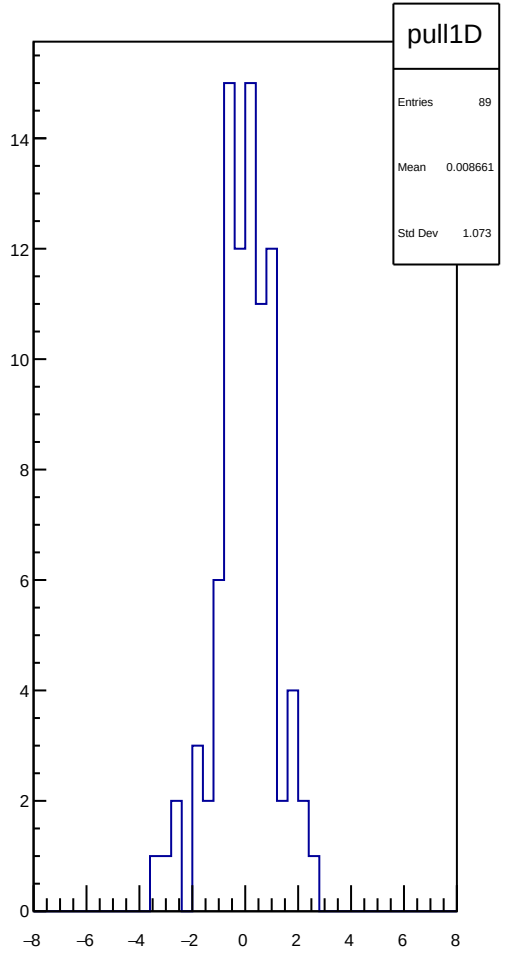

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.032e+04 / 88
p0 680.2 ± 0.5212
850
800
750
700
650
600
550

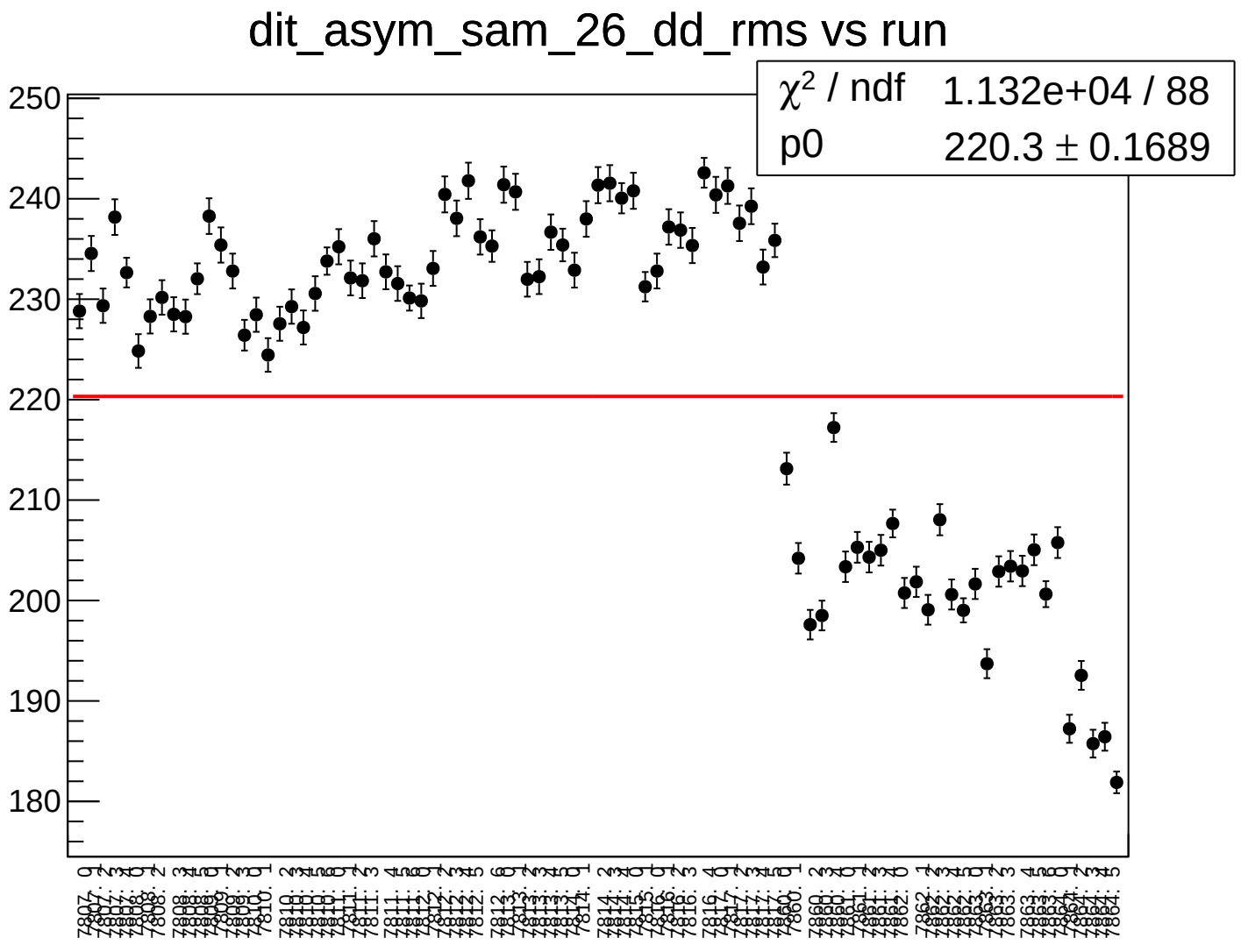

asym_sam_15_dd_mean vs run
χ² / ndf 91.53 / 88
p0 −0.9707 ± 731.6
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −7.642
Std Dev 54.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

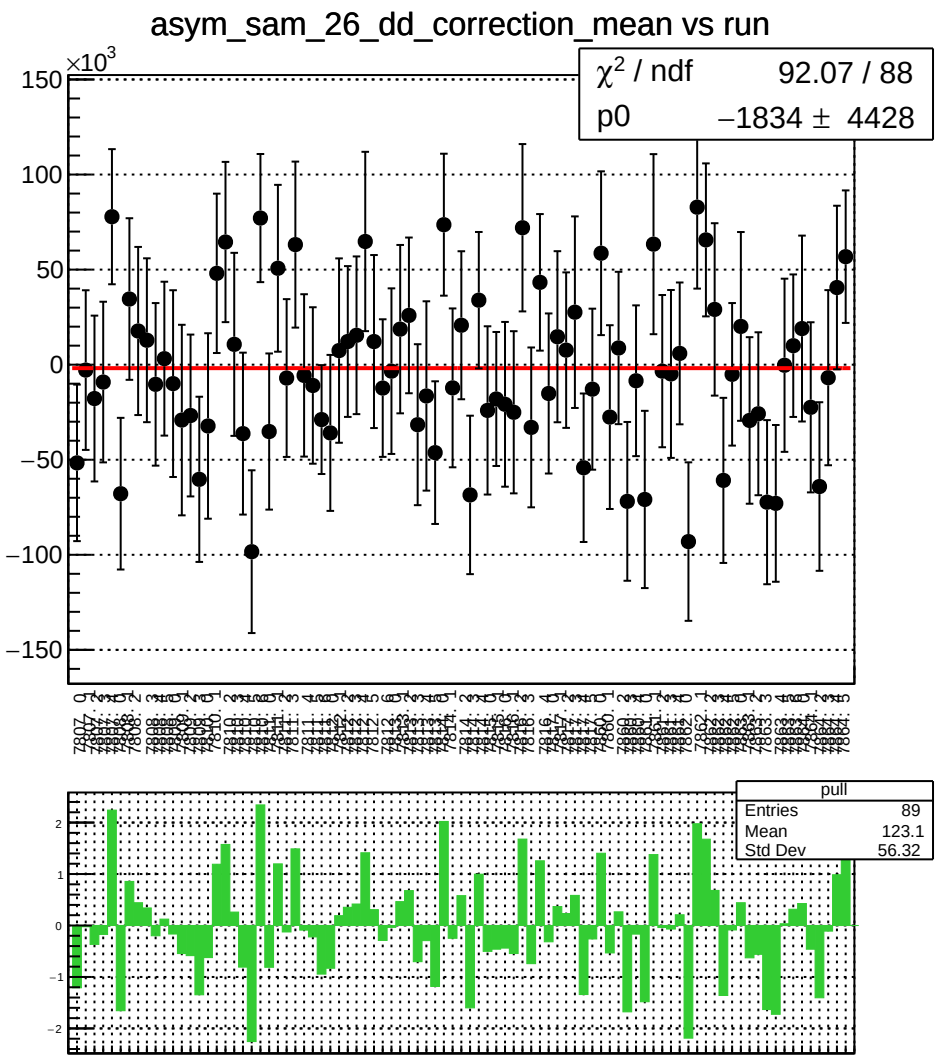

pull1D
Entries 89
Mean −0.01183
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

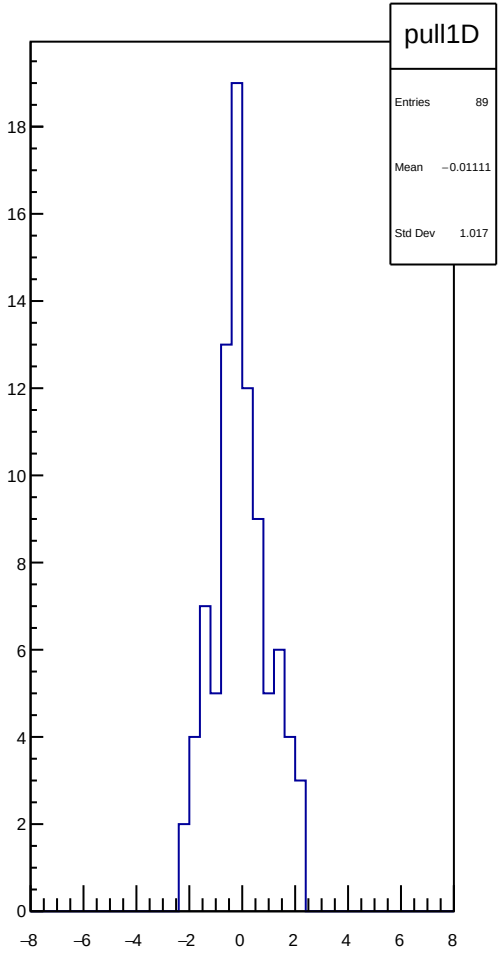

asym_sam_15_dd_rms vs run
χ² / ndf 1.038e+04 / 88
p0 675.1 ± 0.5173
850
800
750
700
650
600
550

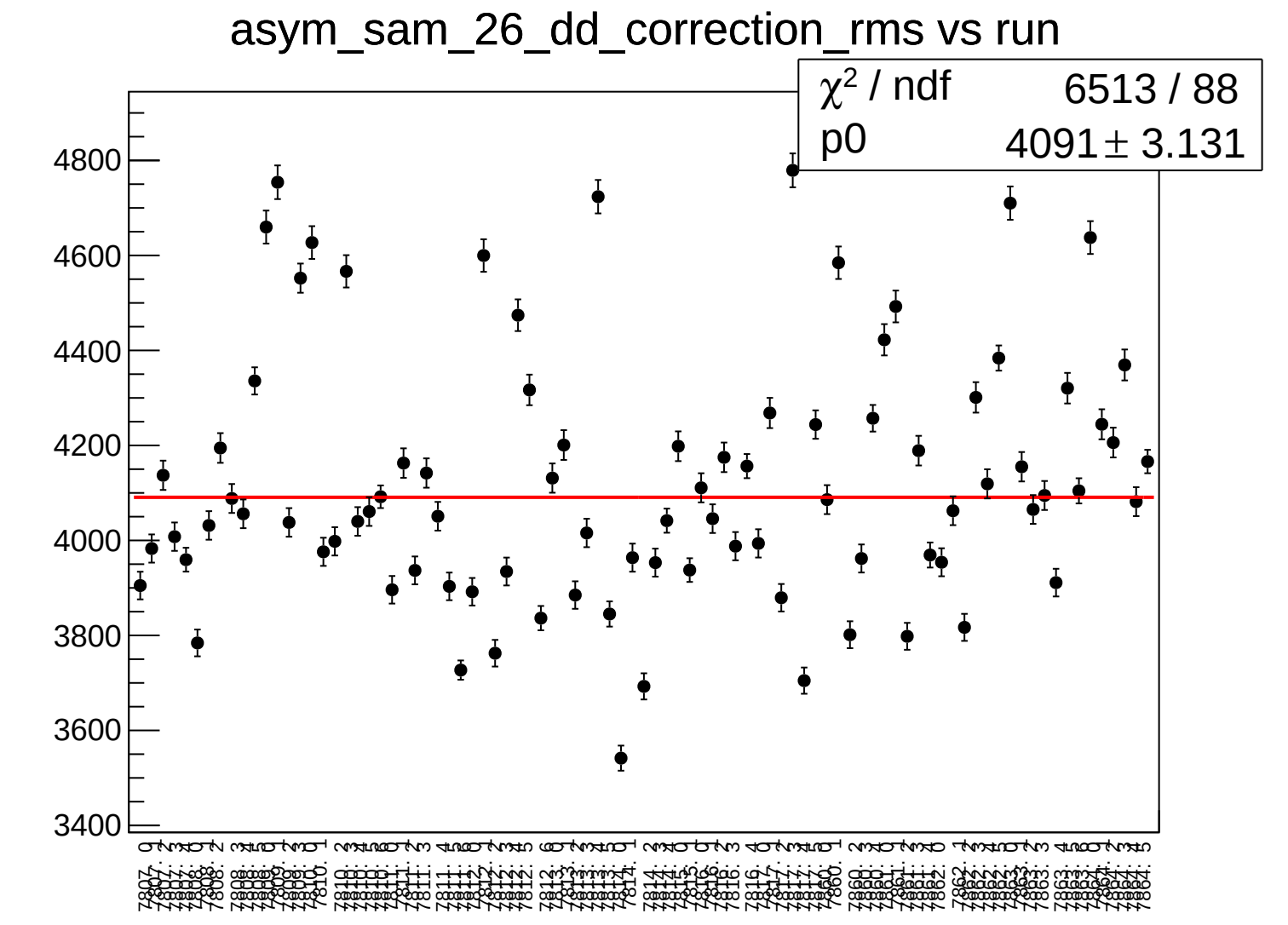

dit_asym_sam_26_dd_mean vs run
χ² / ndf 102.4 / 88
p0 −226.1± 238.8
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −141.4
Std Dev 177.7
2
1
0
−1
−2
−3

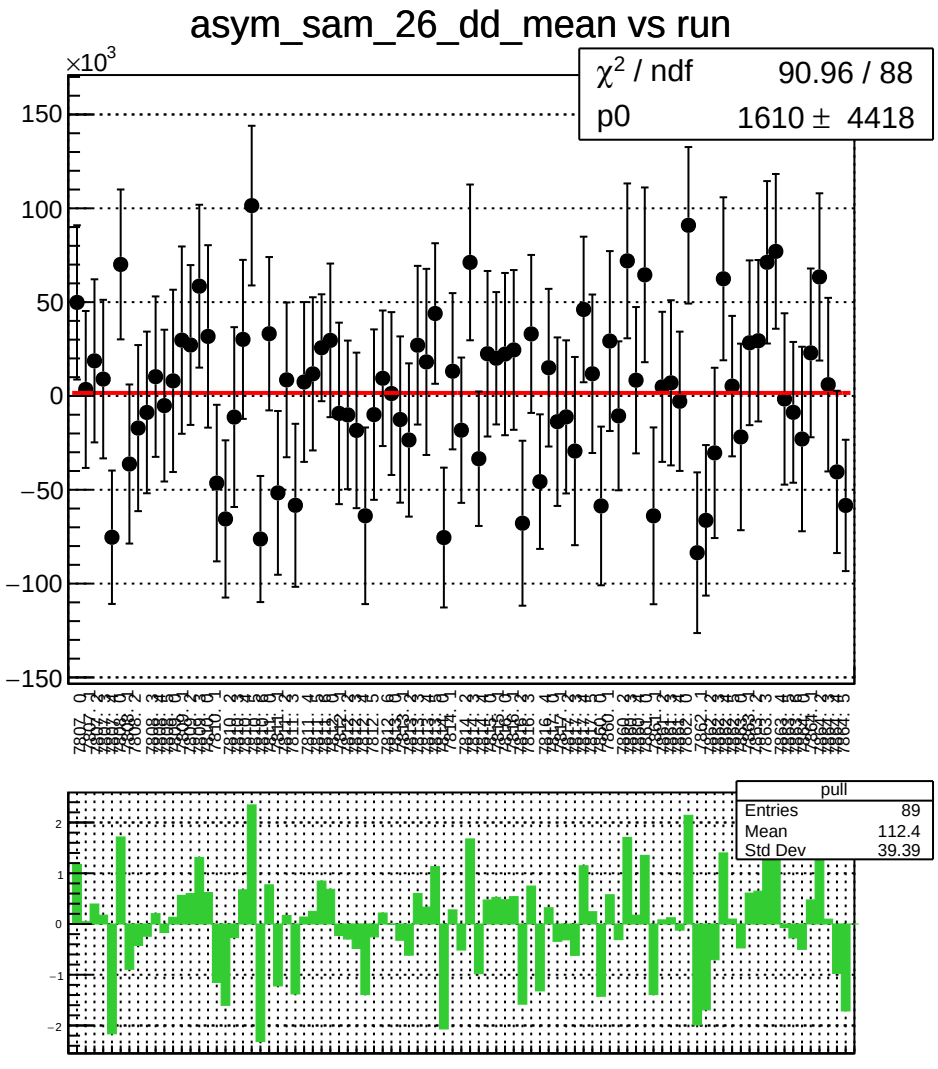

pull1D
Entries 89
Mean 0.008661
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

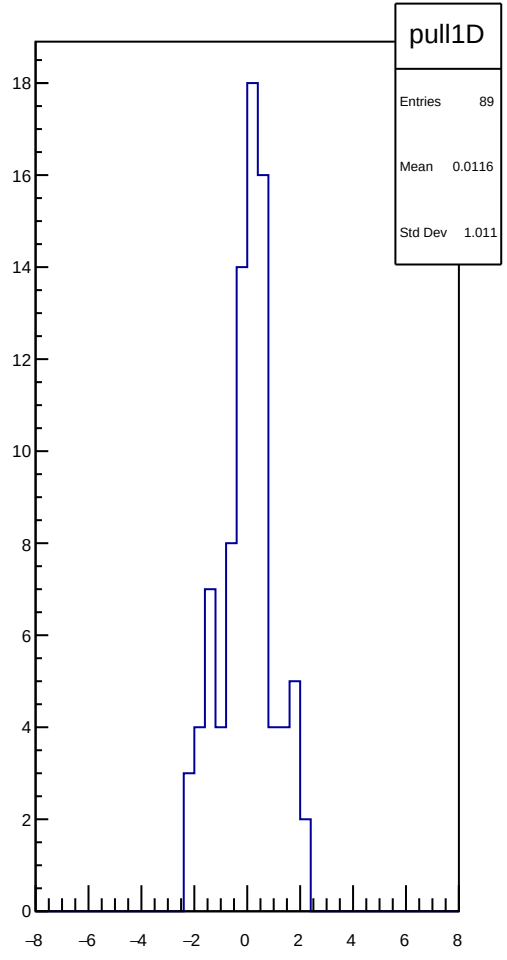

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1.132e+04 / 88
p0 220.3 ± 0.1689
250
240
230
220
210
200
190
180

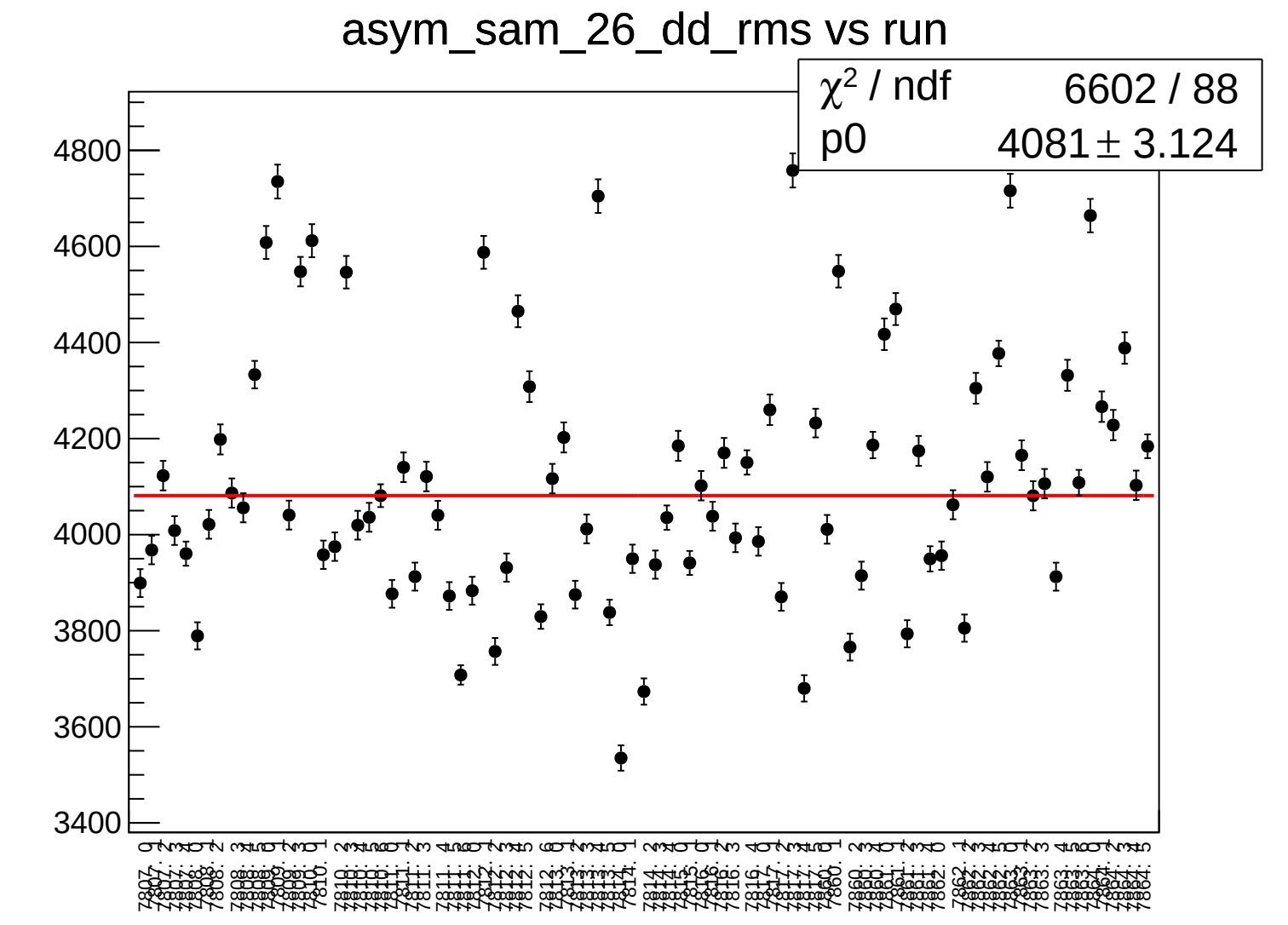

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 92.07 / 88
p0 −1834 ± 4428
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 123.1
Std Dev 56.32
2
1
0
−1
−2

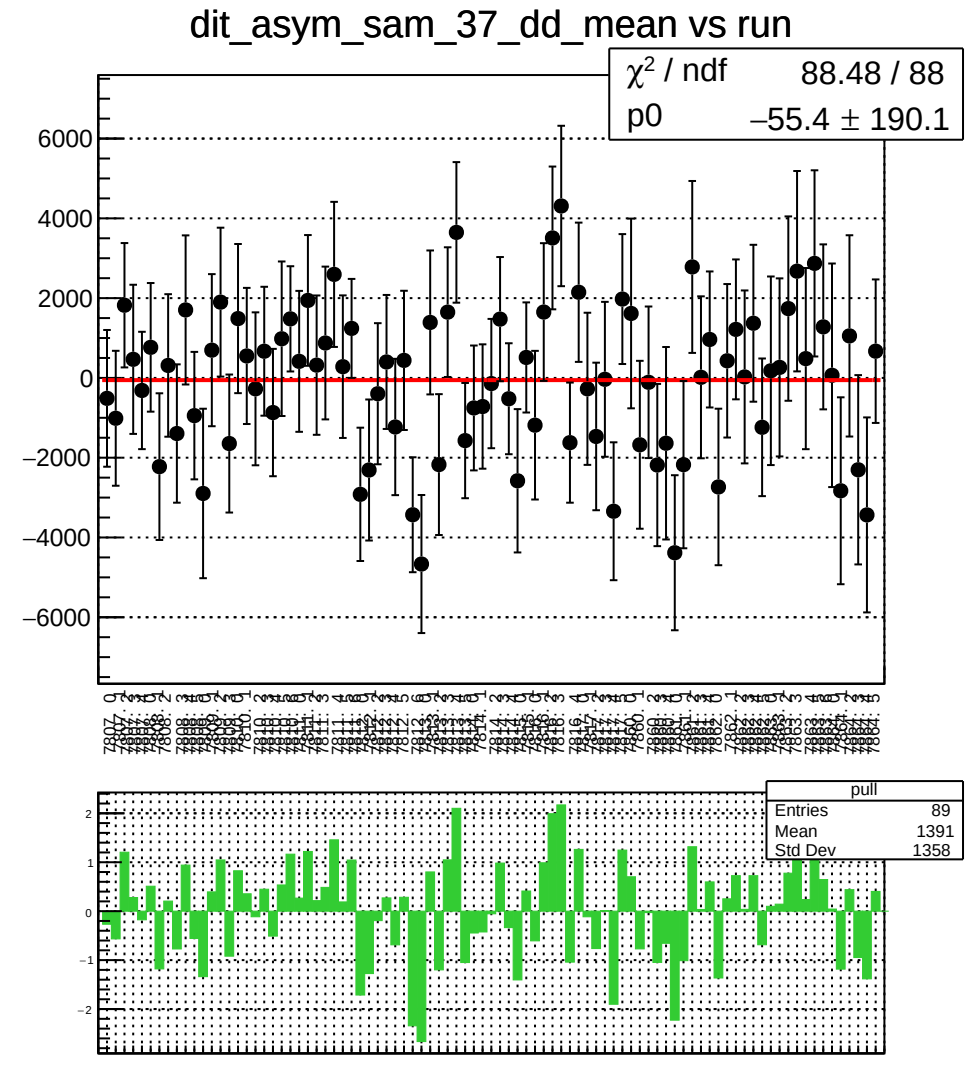

pull1D
Entries 89
Mean −0.01111
Std Dev 1.017
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

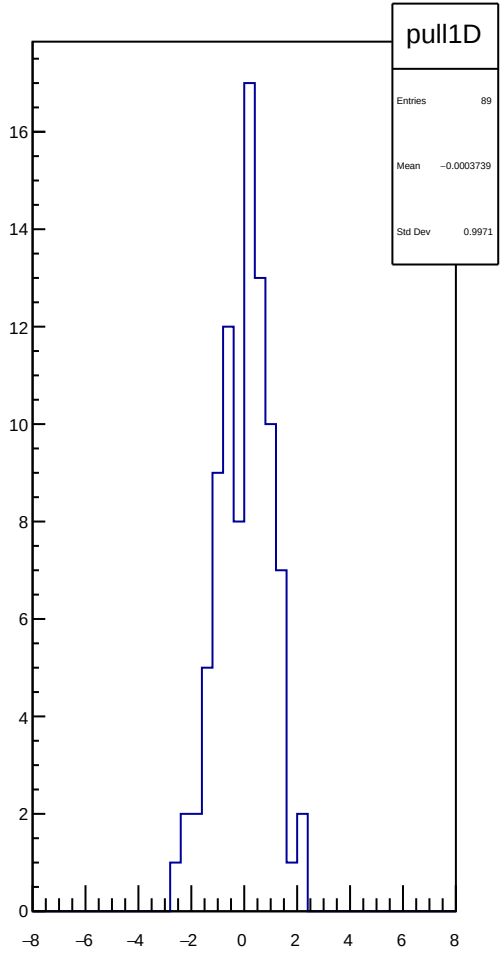

asym_sam_26_dd_correction_rms vs run
χ² / ndf 6513 / 88
p0 4091 ± 3.131
4800
4600
4400
4200
4000
3800
3600
3400

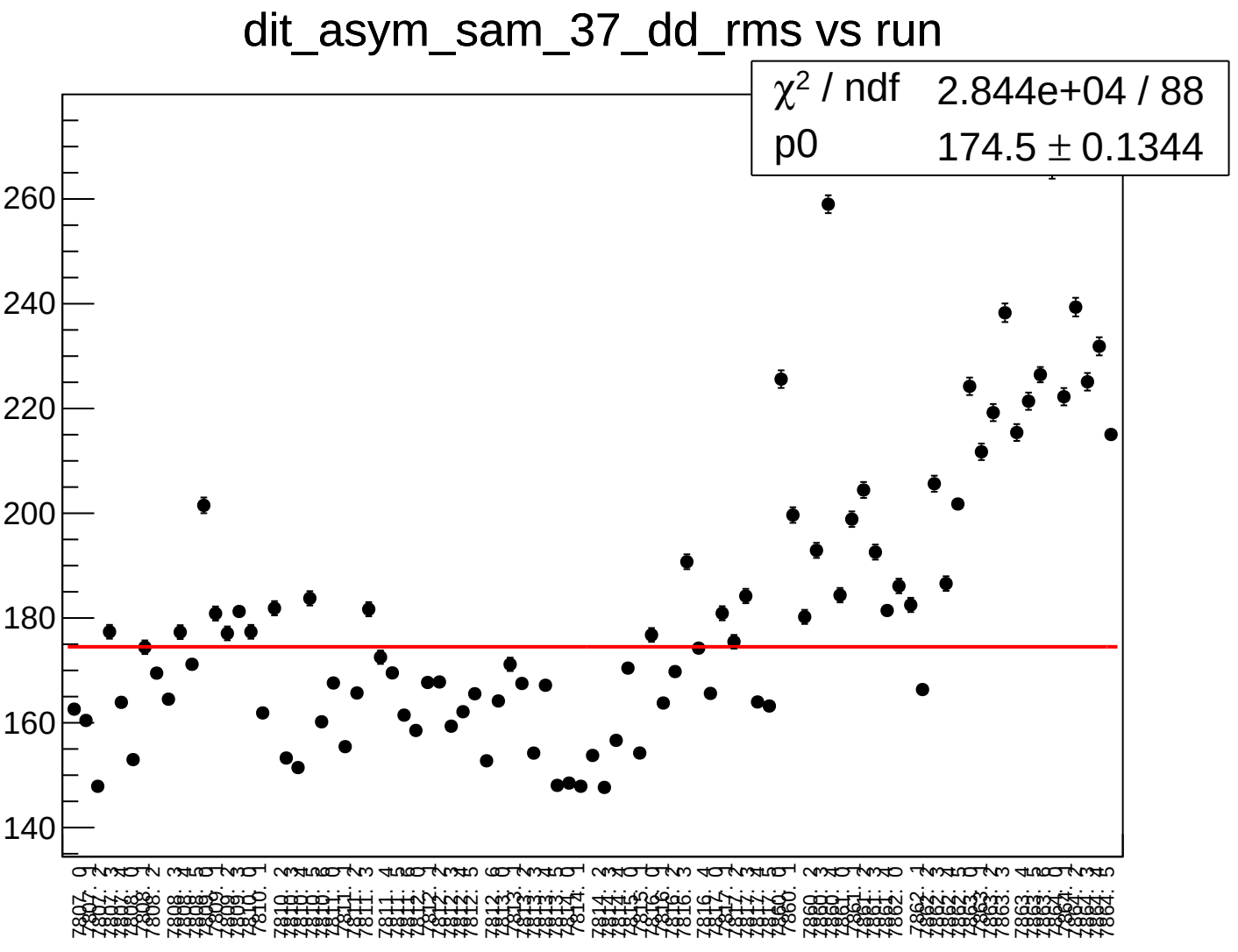

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 90.96 / 88
p0 1610 ± 4418
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 112.4
Std Dev 39.39
2
1
0
−1
−2

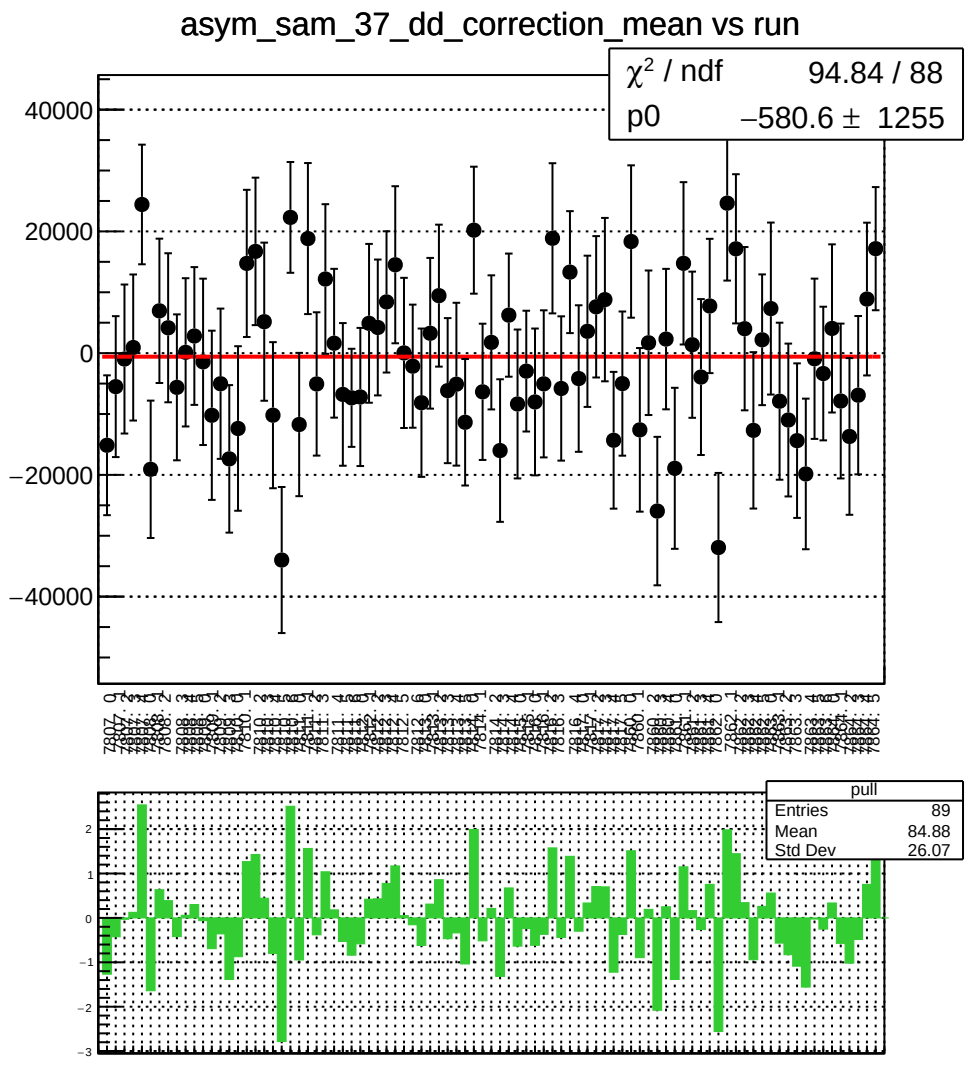

pull1D
Entries 89
Mean 0.0116
Std Dev 1.011
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

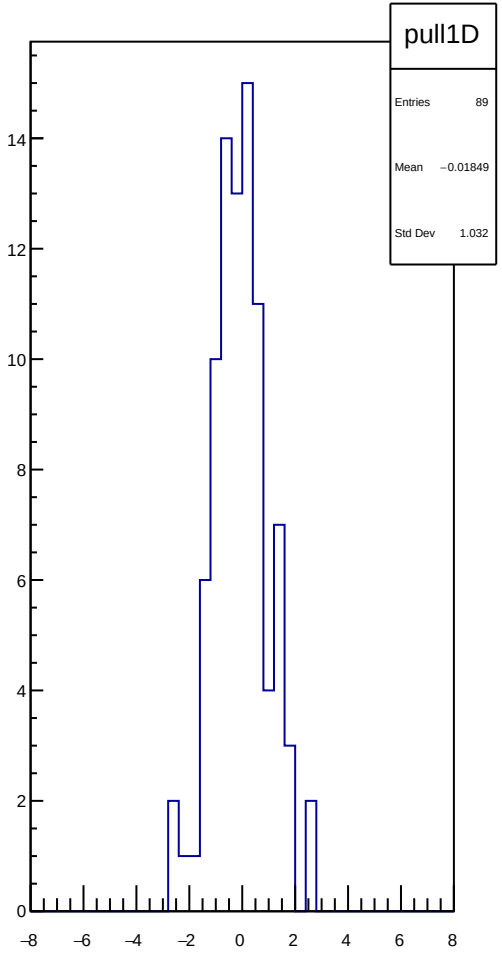

asym_sam_26_dd_rms vs run
χ² / ndf 6602 / 88
p0 4081 ± 3.124
4800
4600
4400
4200
4000
3800
3600
3400

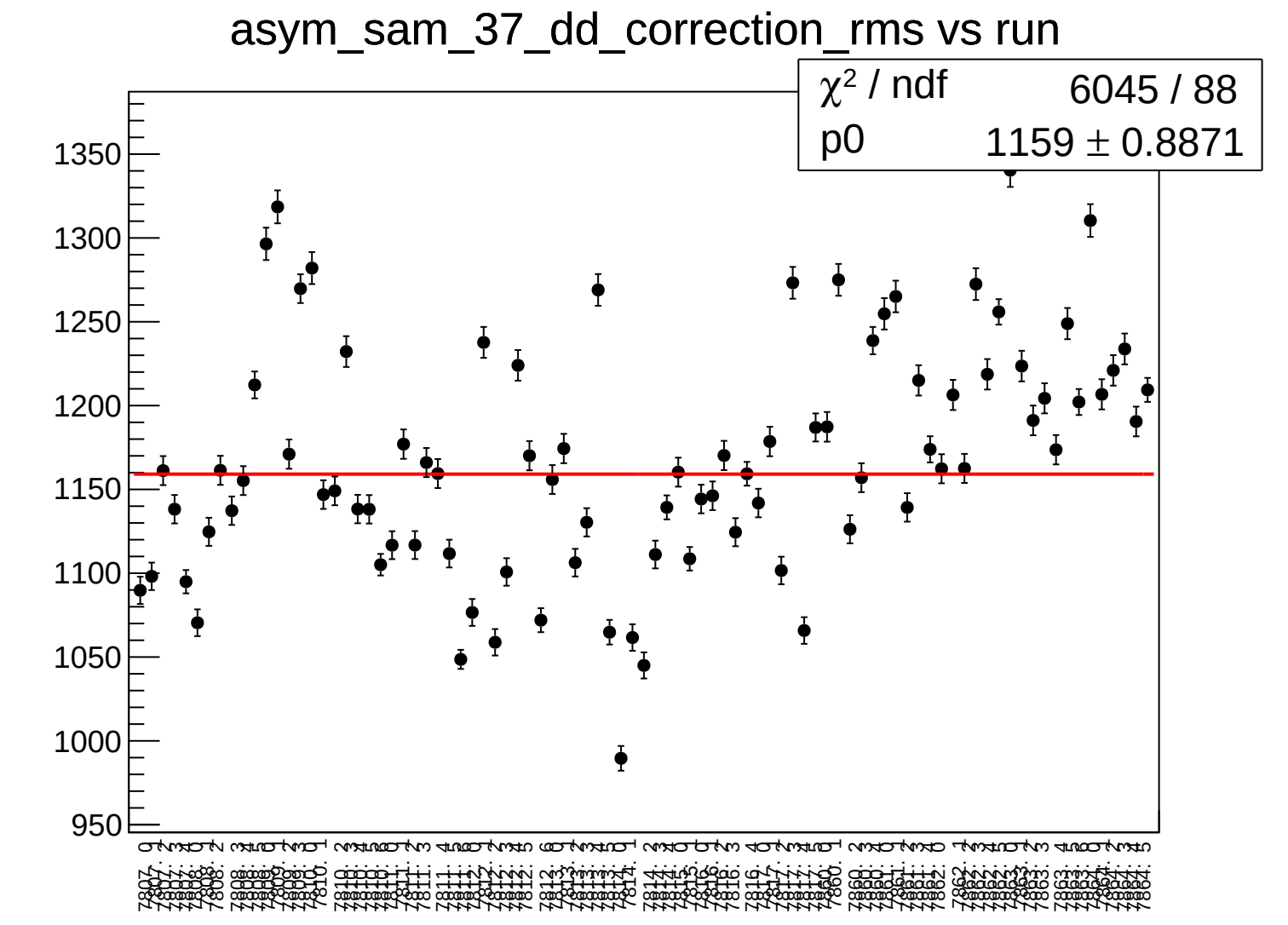

dit_asym_sam_37_dd_mean vs run
χ² / ndf 88.48 / 88
p0 −55.4 ± 190.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 1391
Std Dev 1358
2
1
0
−1
−2

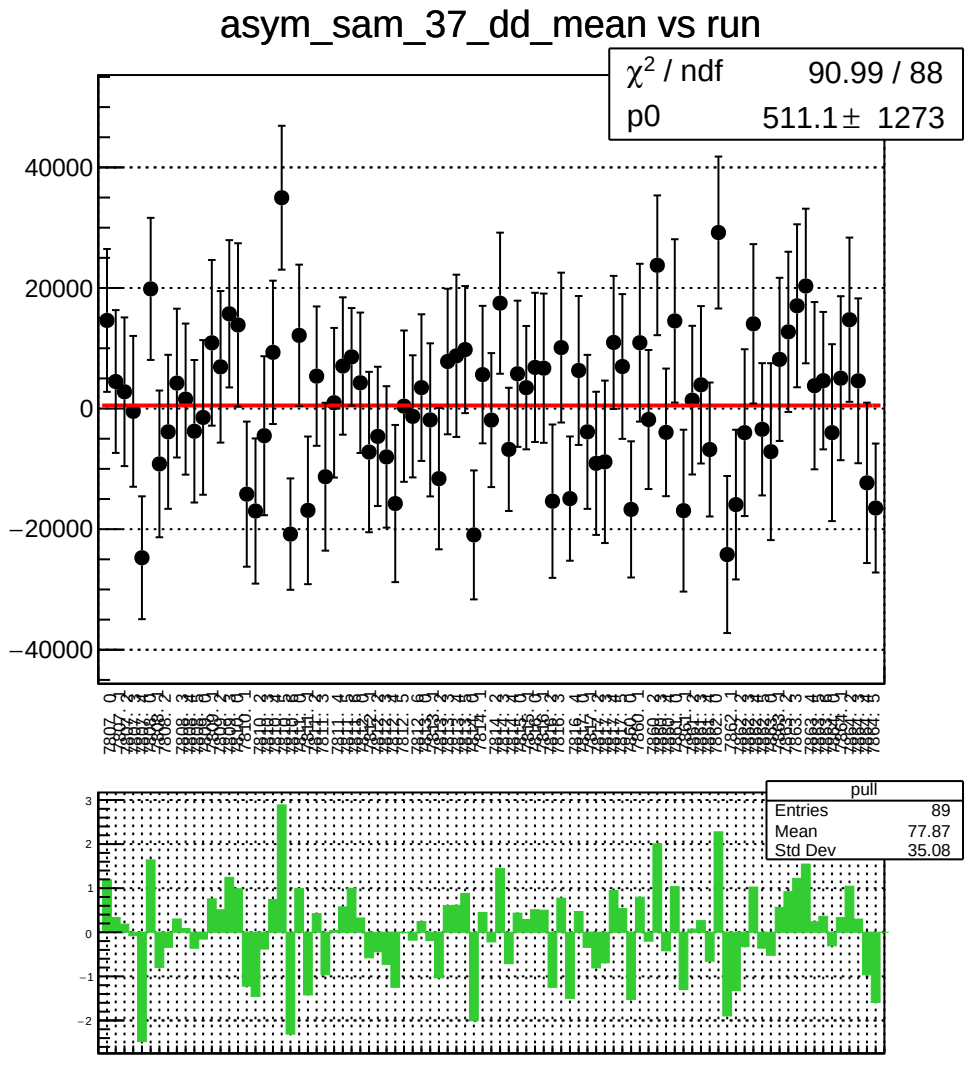

pull1D
Entries 89
Mean −0.0003739
Std Dev 0.9971
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

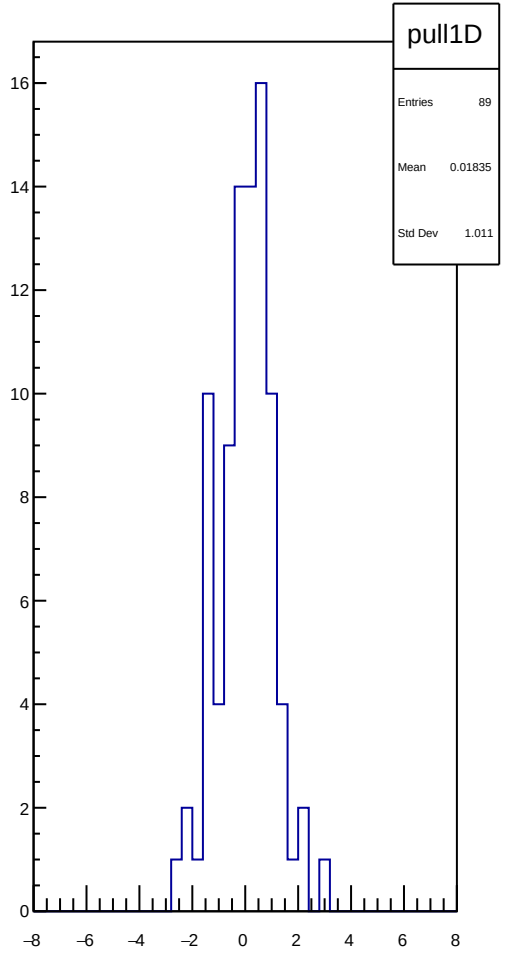

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.844e+04 / 88
p0 174.5 ± 0.1344
260
240
220
200
180
160
140

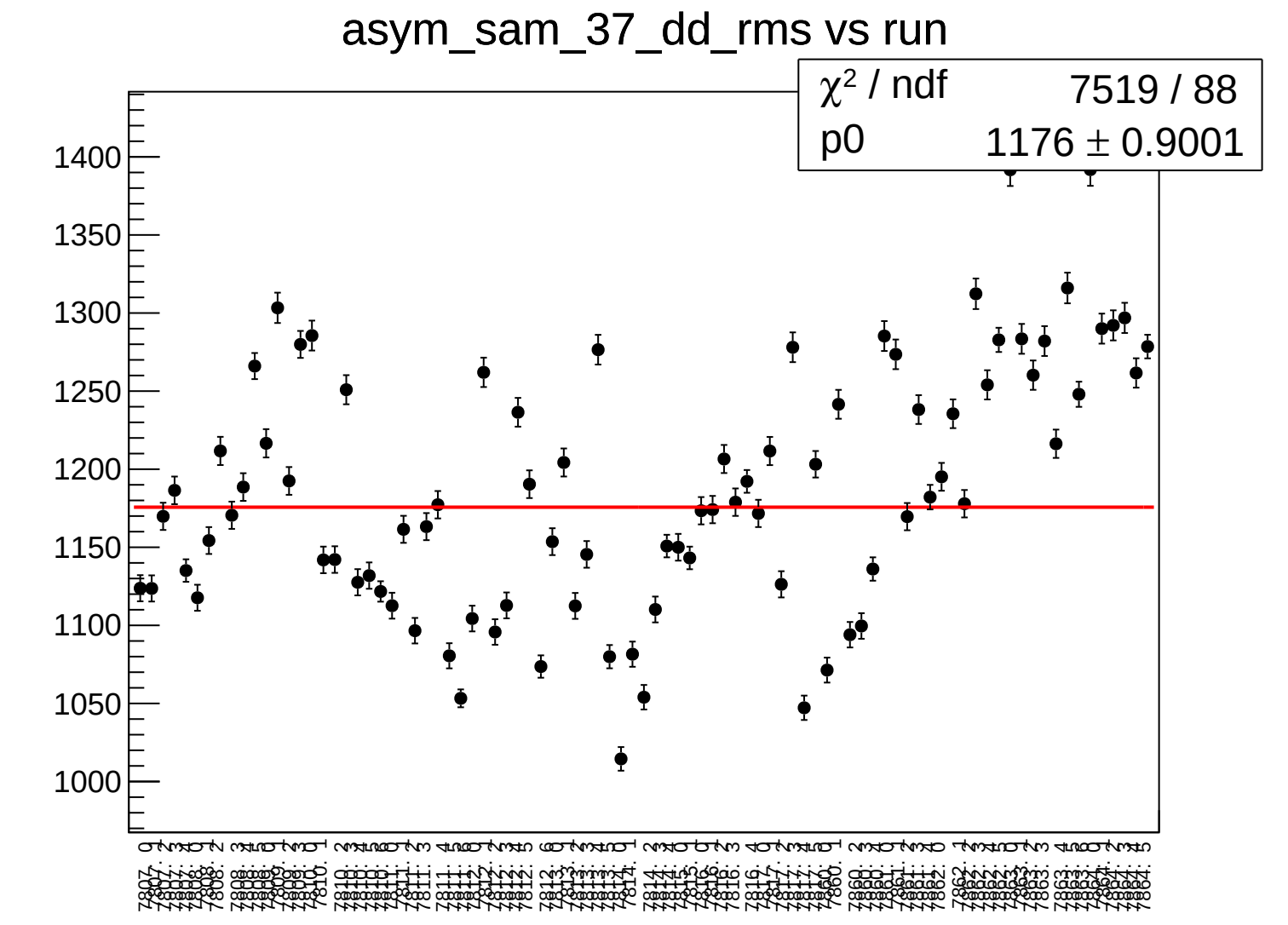

asym_sam_37_dd_correction_mean vs run
χ² / ndf 94.84 / 88
p0 −580.6 ± 1255
40000
20000
0
−20000
−40000
pull
Entries 89
Mean 84.88
Std Dev 26.07
2
1
0
−1
−2
−3

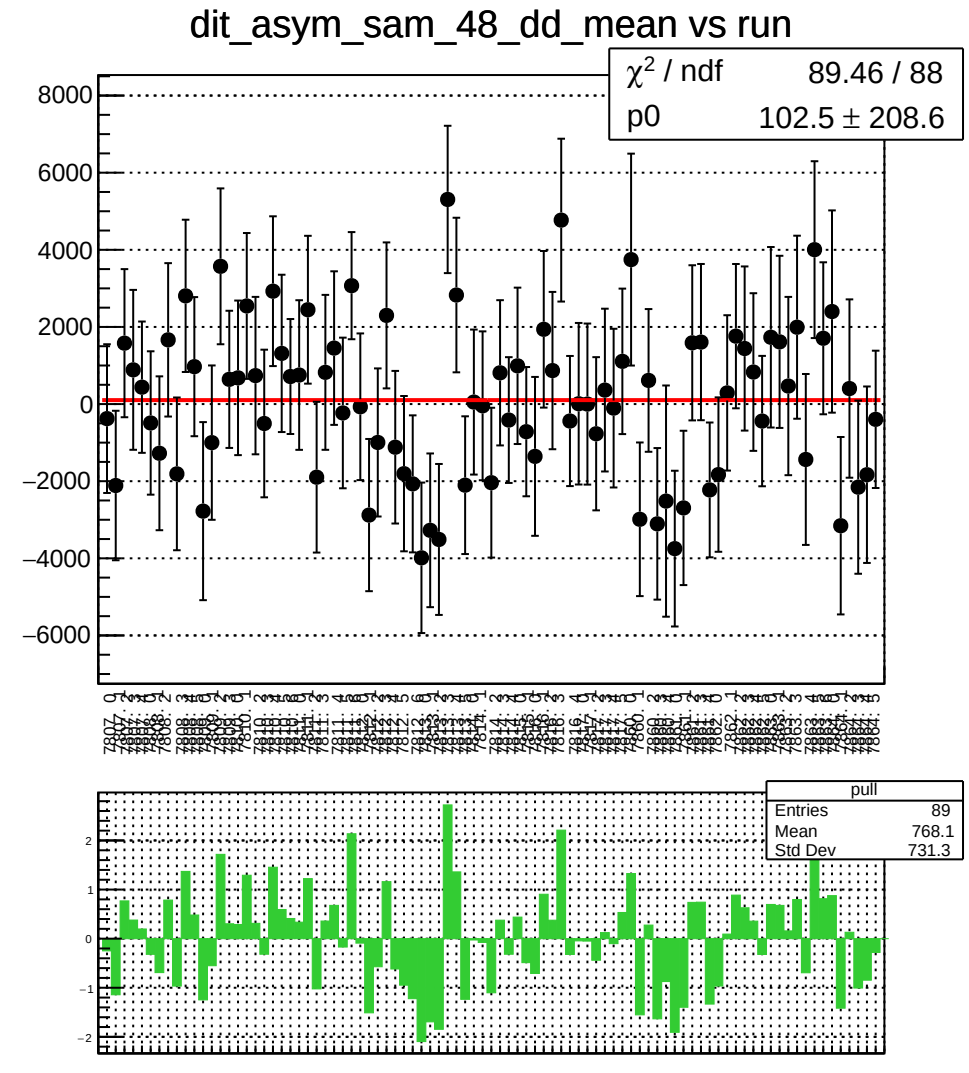

pull1D
Entries 89
Mean −0.01849
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

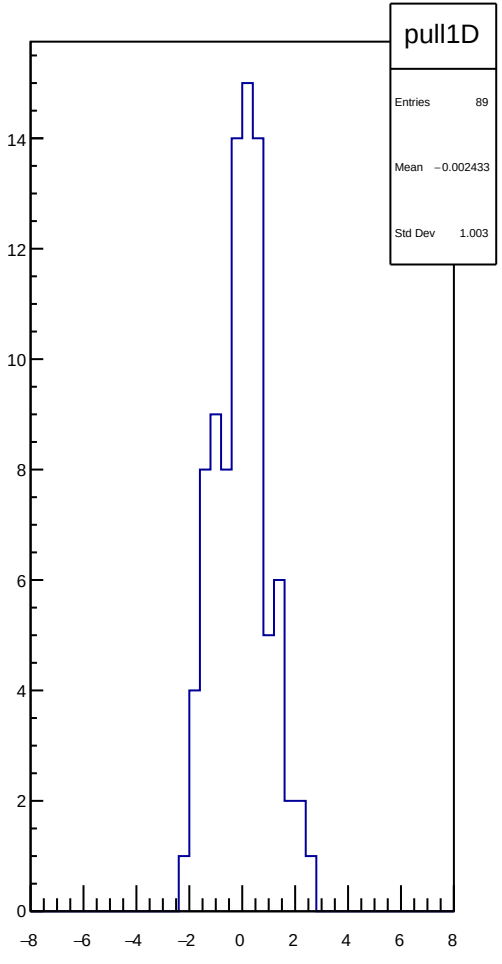

asym_sam_37_dd_correction_rms vs run
χ² / ndf 6045 / 88
p0 1159 ± 0.8871
1350
1300
1250
1200
1150
1100
1050
1000
950

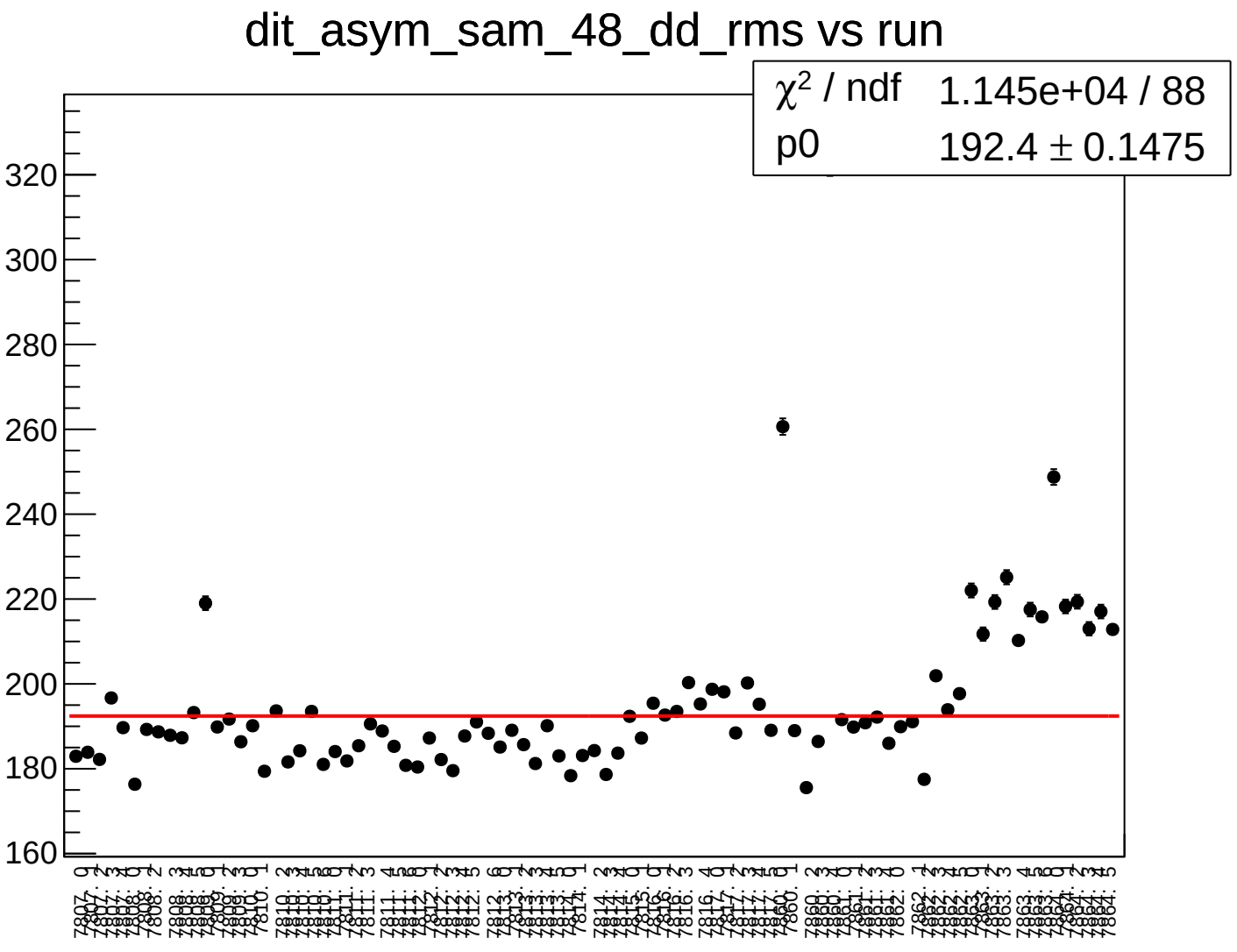

asym_sam_37_dd_mean vs run
χ² / ndf 90.99 / 88
p0 511.1 ± 1273
40000
20000
0
−20000
−40000
pull
Entries 89
Mean 77.87
Std Dev 35.08
3
2
1
0
−1
−2

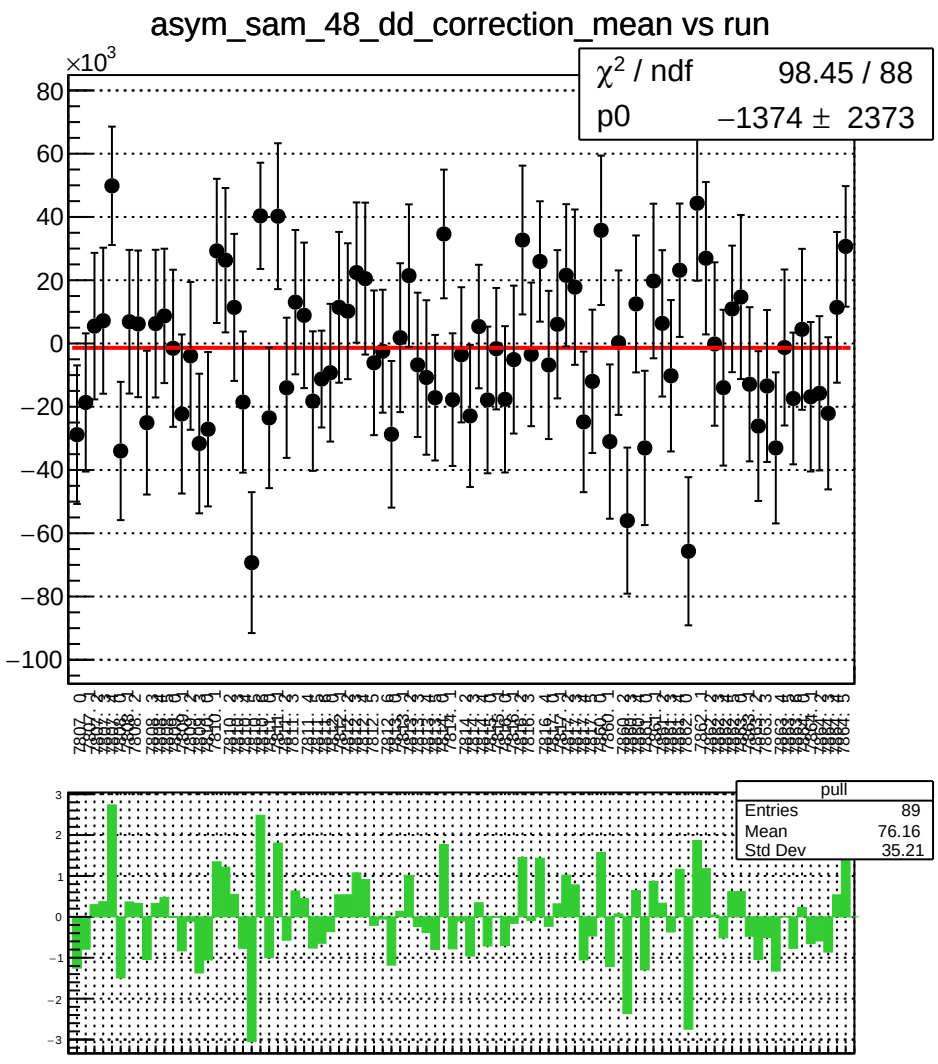

pull1D
Entries 89
Mean 0.01835
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

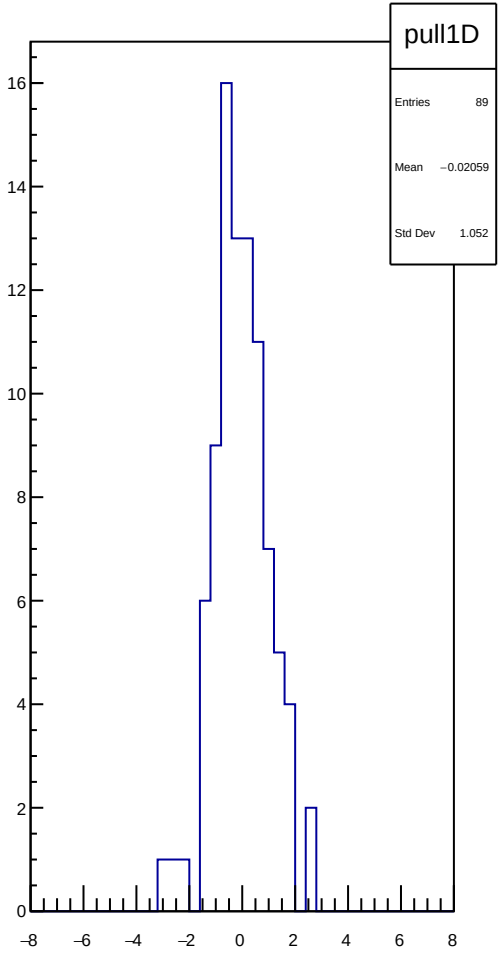

asym_sam_37_dd_rms vs run
χ² / ndf 7519 / 88
p0 1176 ± 0.9001
1400
1350
1300
1250
1200
1150
1100
1050
1000

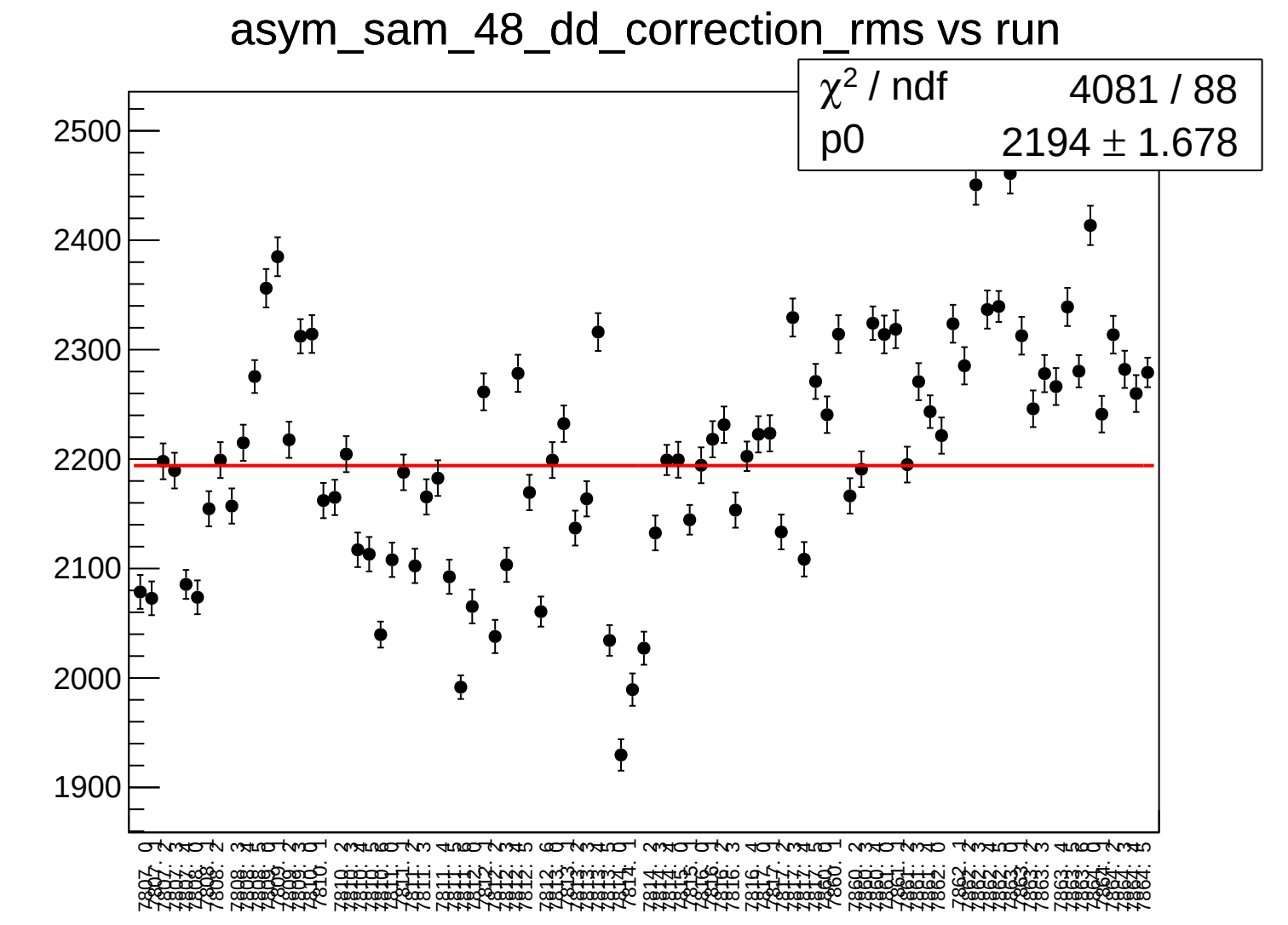

dit_asym_sam_48_dd_mean vs run
χ² / ndf 89.46 / 88
p0 102.5 ± 208.6
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 768.1
Std Dev 731.3
2
1
0
−1
−2

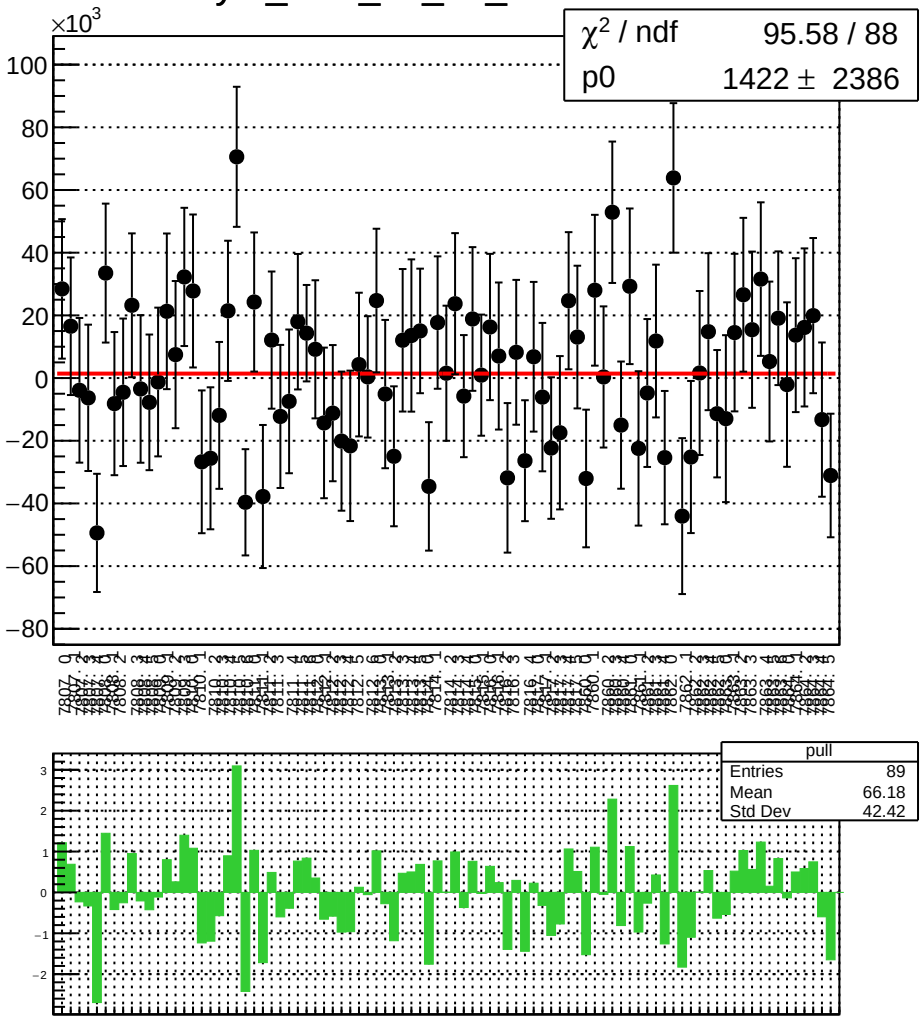

pull1D
Entries 89
Mean −0.002433
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

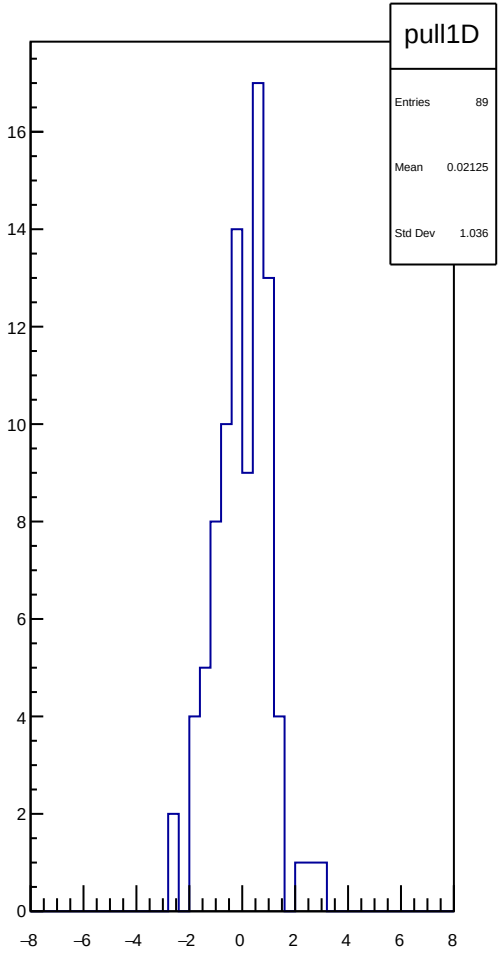

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.145e+04 / 88
p0 192.4 ± 0.1475
320
300
280
260
240
220
200
180
160

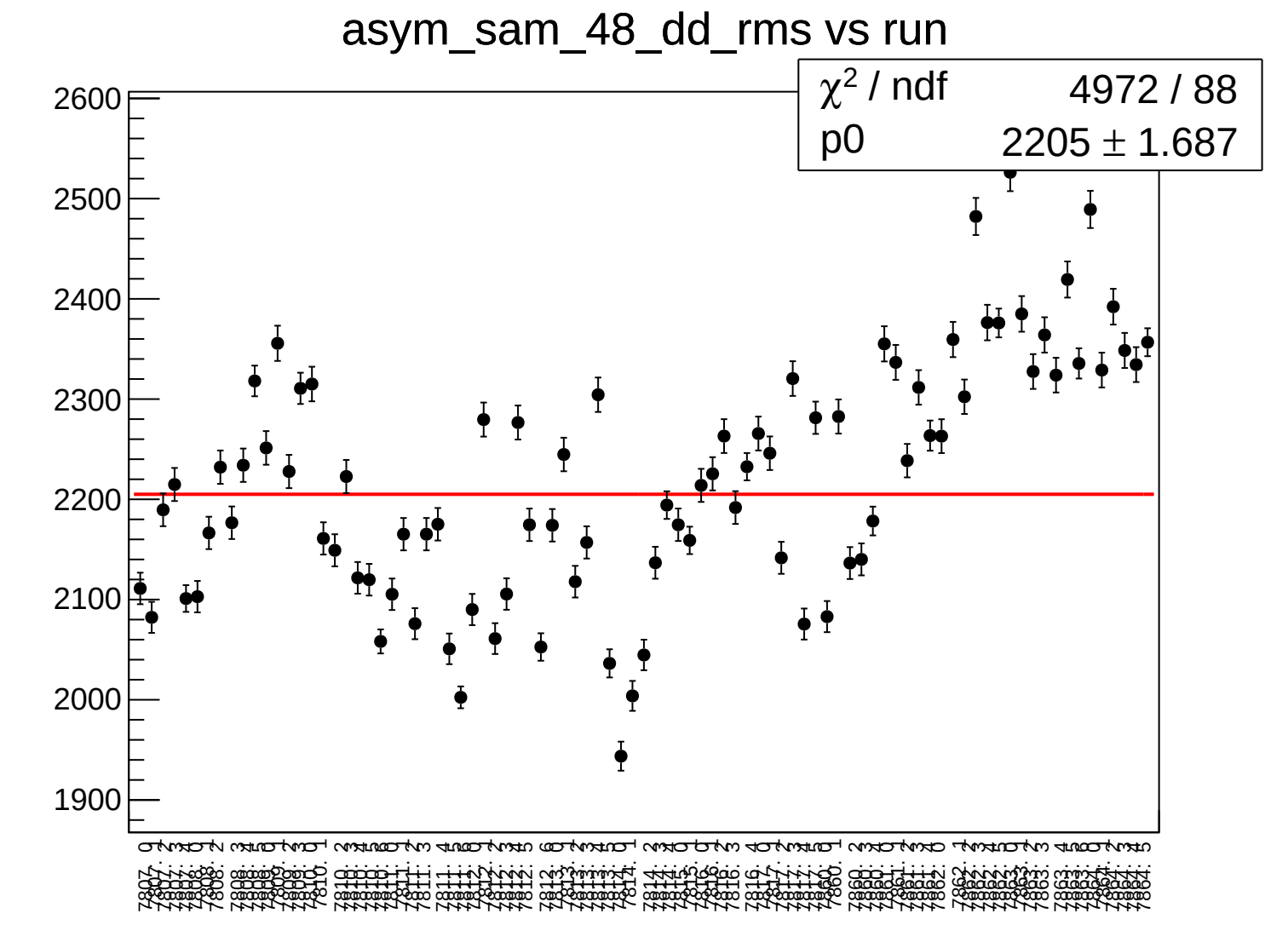

asym_sam_48_dd_correction_mean vs run
χ² / ndf 98.45 / 88
p0 −1374 ± 2373
×10³
pull
Entries 89
Mean 76.16
Std Dev 35.21

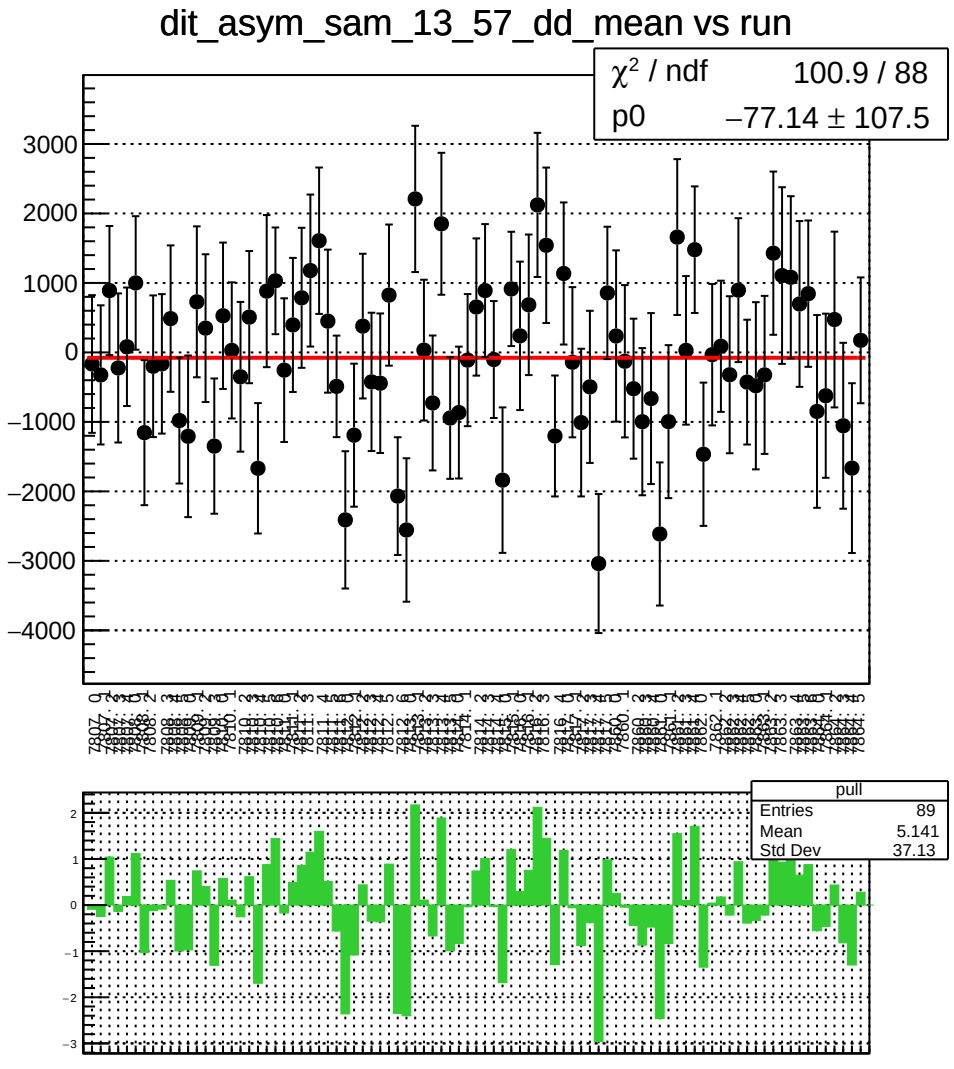

pull1D
Entries 89
Mean −0.02059
Std Dev 1.052

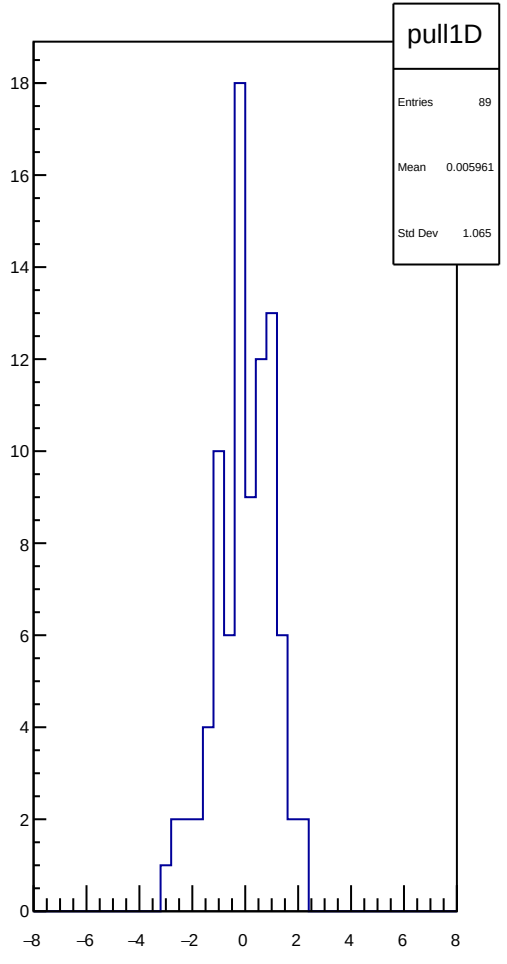

asym_sam_48_dd_correction_rms vs run
χ² / ndf 4081 / 88
p0 2194 ± 1.678
2500
2400
2300
2200
2100
2000
1900

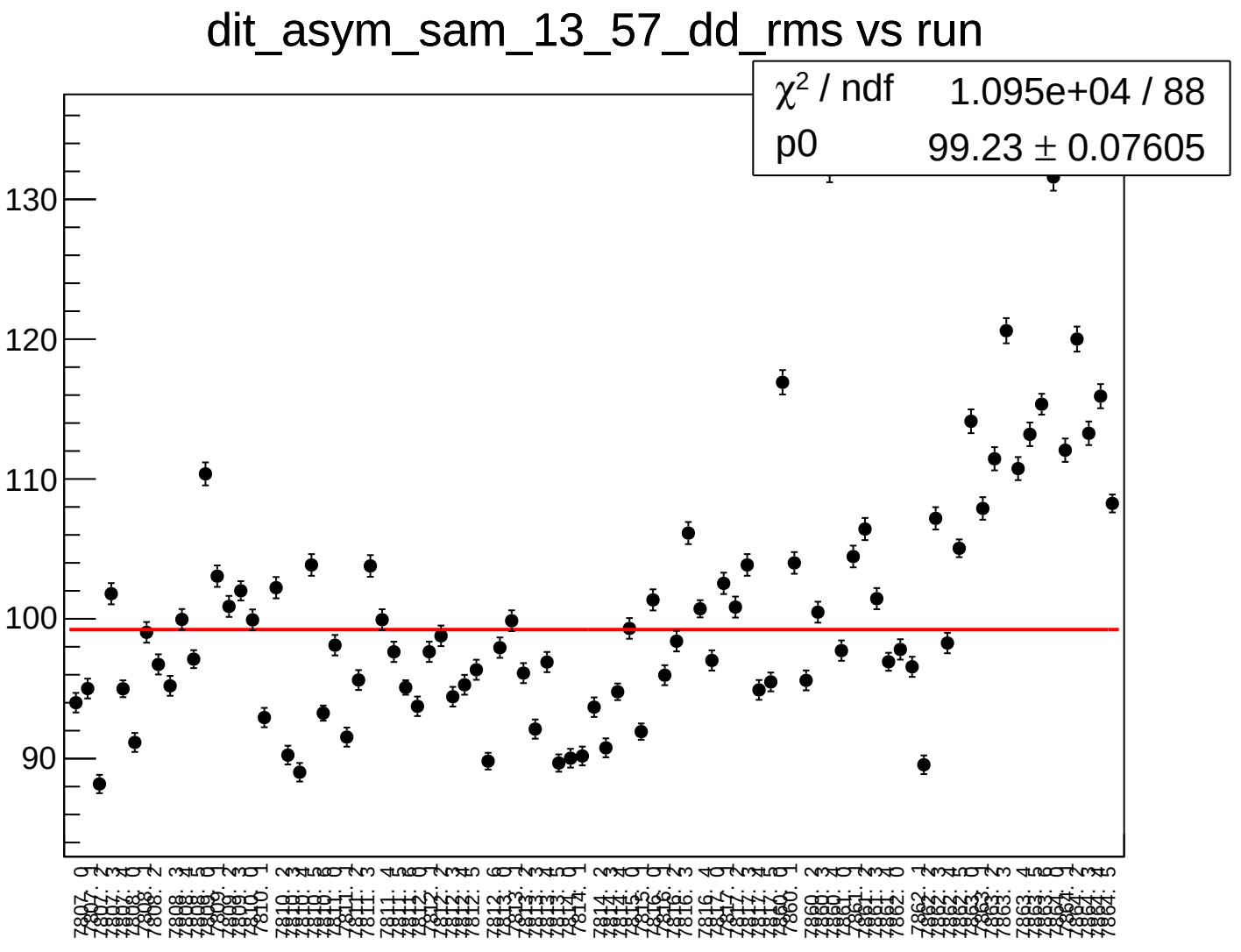

asym_sam_48_dd_mean vs run
×10^3
χ^2 / ndf 95.58 / 88
p0 1422 ± 2386
pull
Entries 89
Mean 66.18
Std Dev 42.42

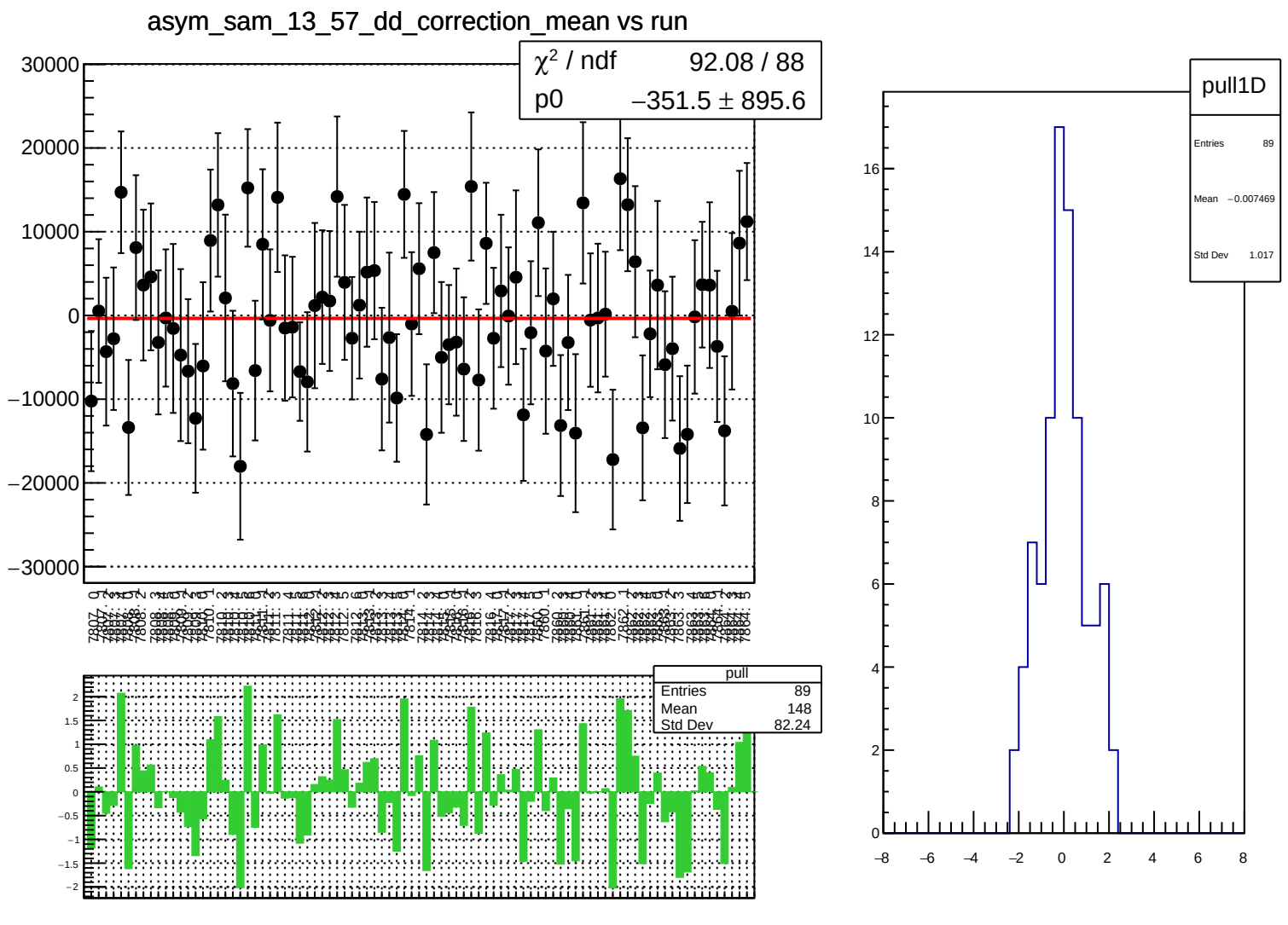

pull1D
Entries 89
Mean 0.02125
Std Dev 1.036

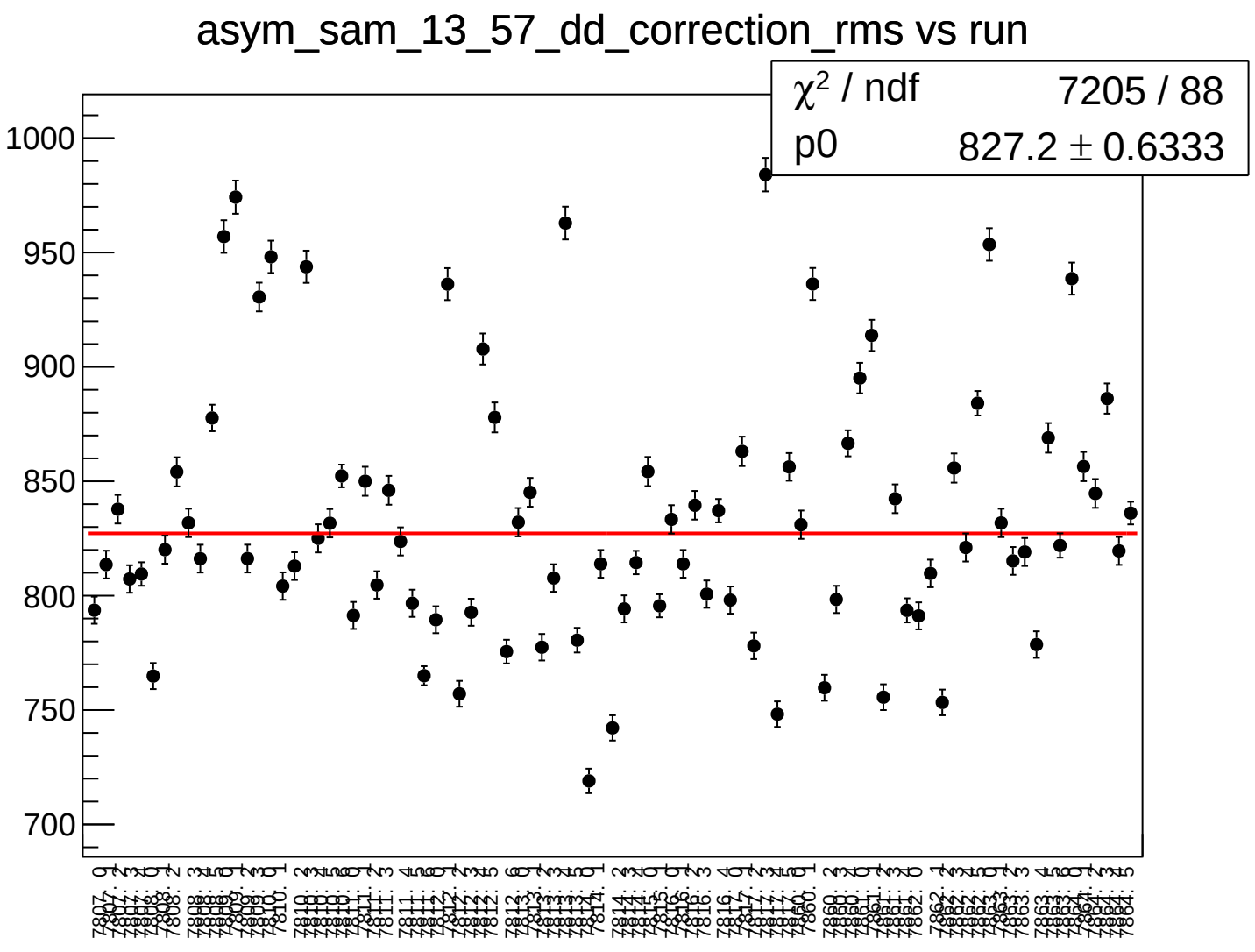

asym_sam_48_dd_rms vs run
χ² / ndf 4972 / 88
p0 2205 ± 1.687
2600
2500
2400
2300
2200
2100
2000
1900

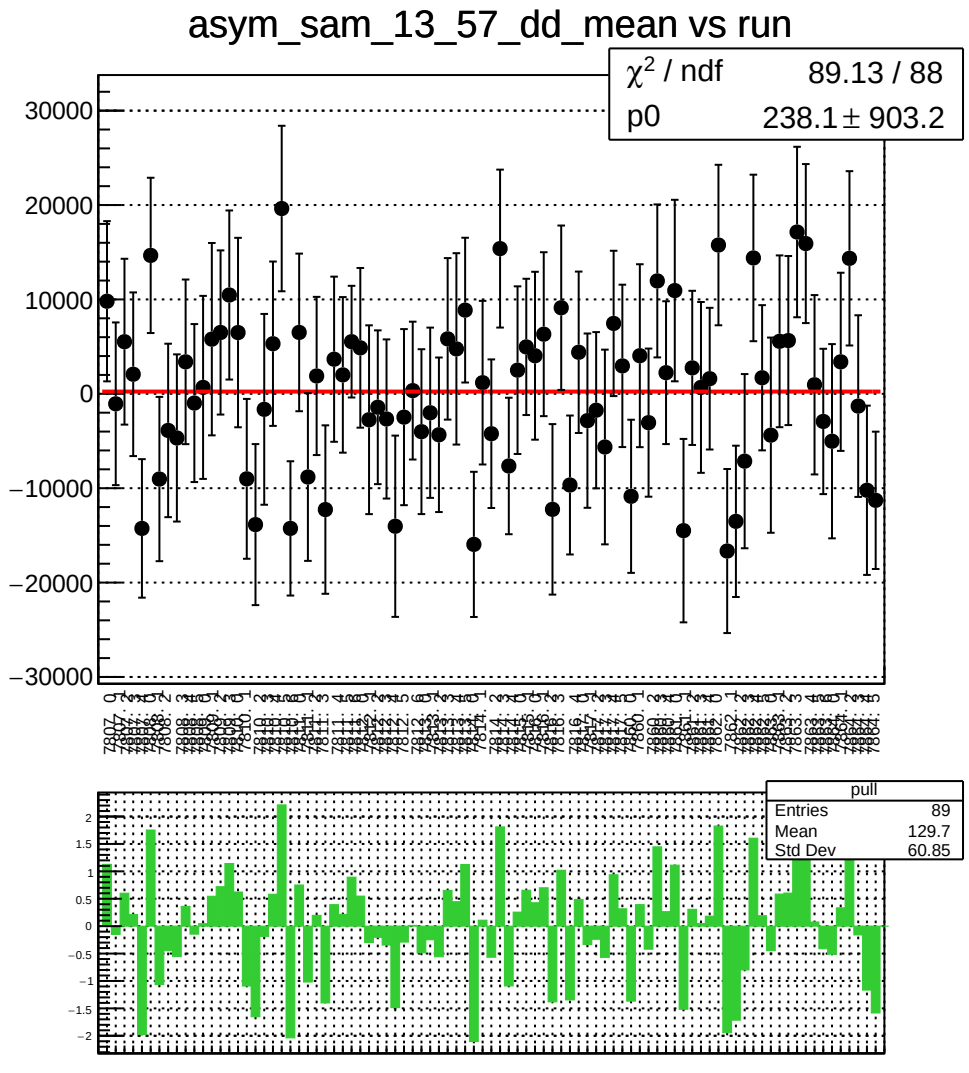

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 100.9 / 88
p0 −77.14 ± 107.5
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 89
Mean 5.141
Std Dev 37.13
2
1
0
−1
−2
−3

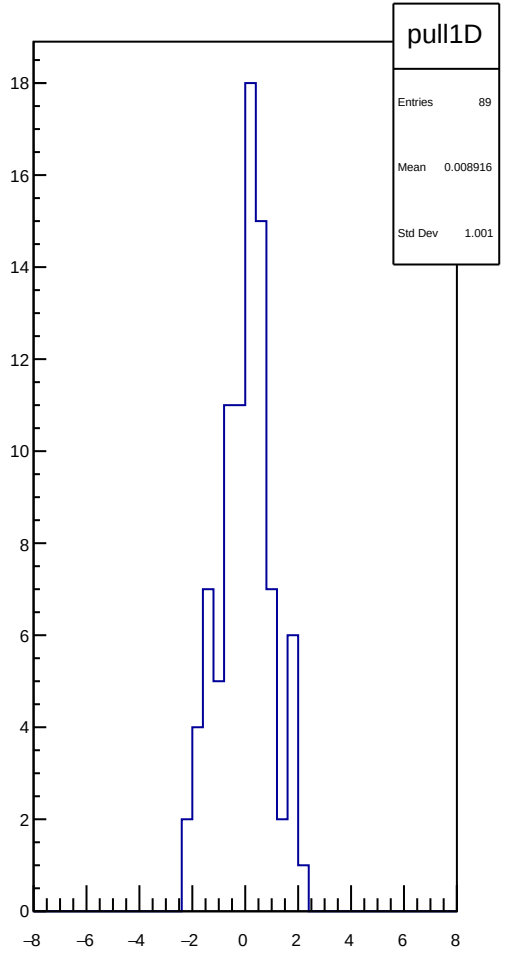

pull1D
Entries 89
Mean 0.005961
Std Dev 1.065
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

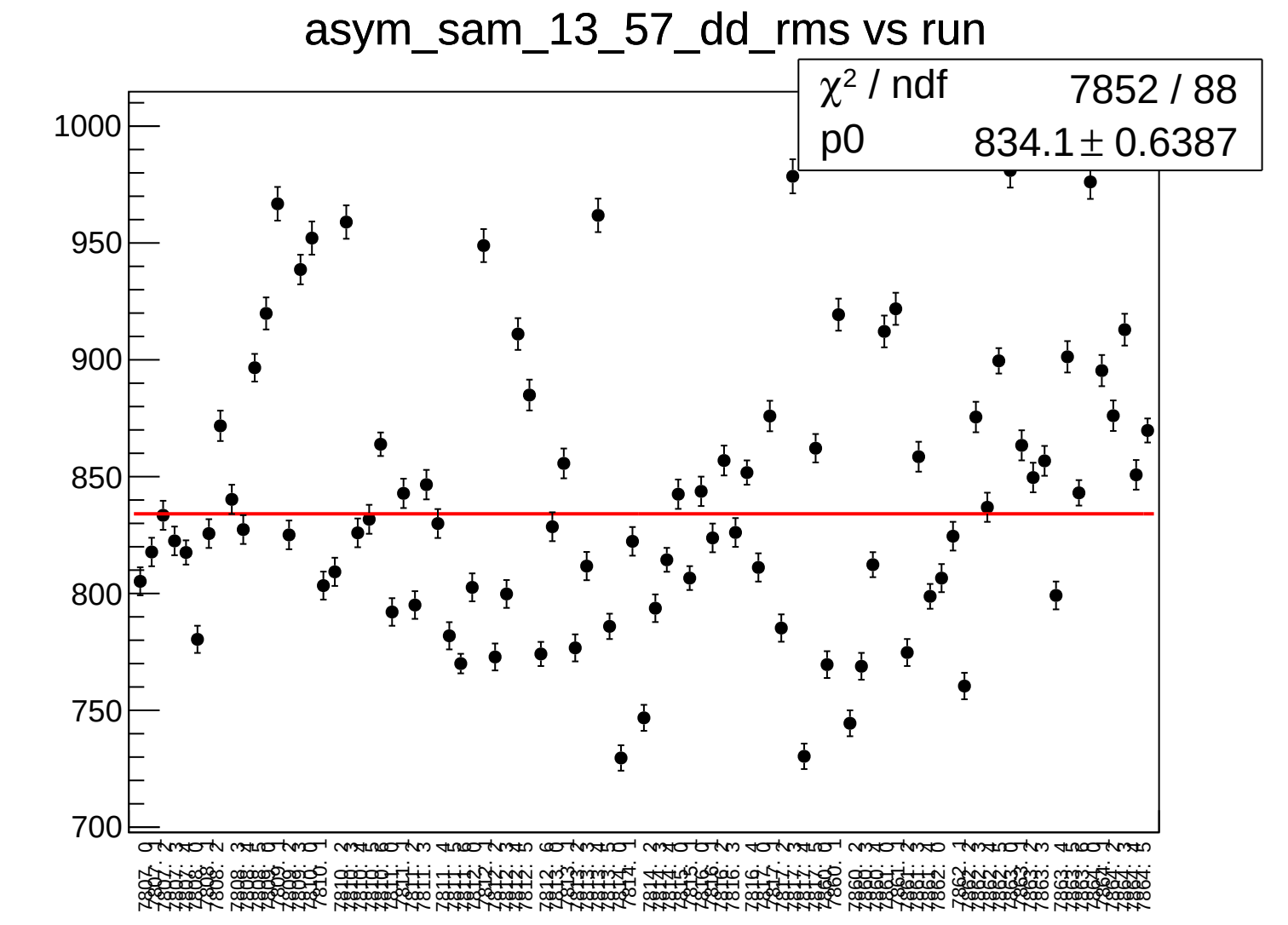

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.095e+04 / 88
p0 99.23 ± 0.07605
130
120
110
100
90

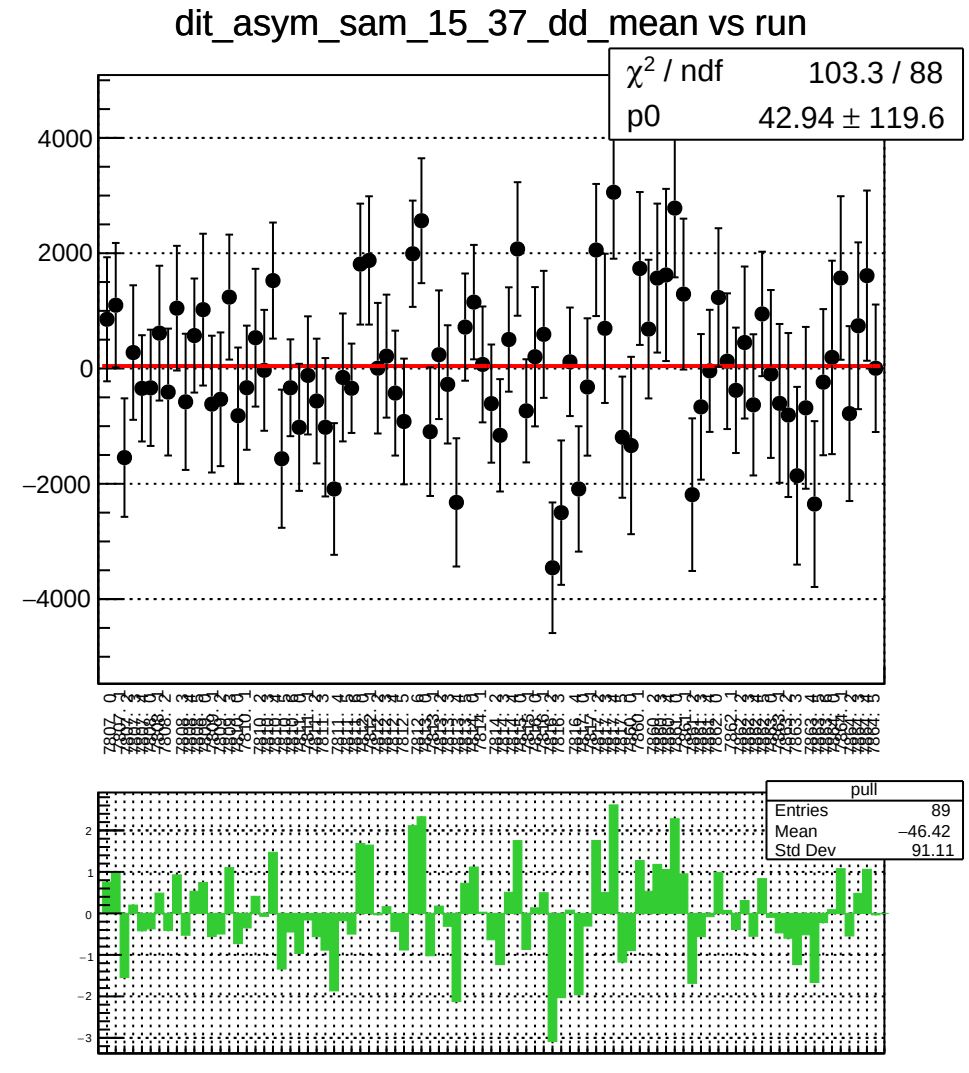

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 92.08 / 88
p0 −351.5 ± 895.6
pull
Entries 89
Mean 148
Std Dev 82.24
pull1D
Entries 89
Mean −0.007469
Std Dev 1.017

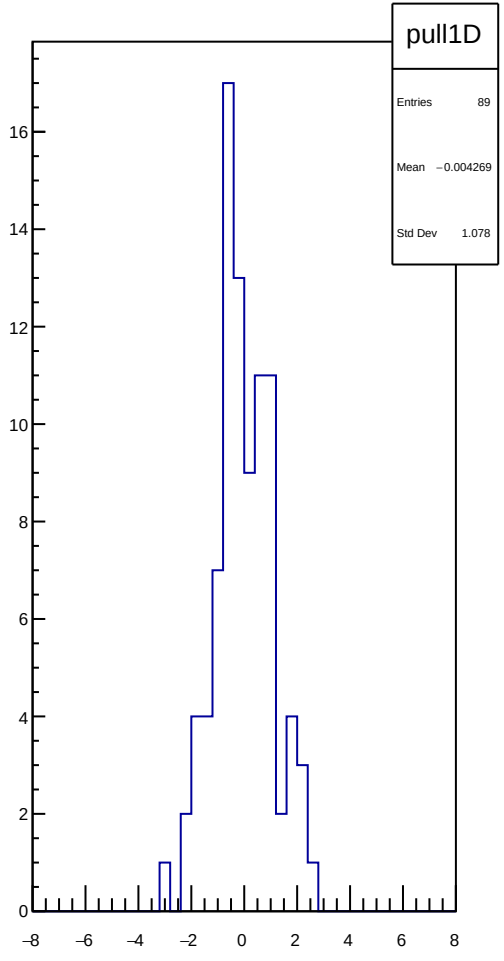

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 7205 / 88
p0 827.2 ± 0.6333
1000
950
900
850
800
750
700

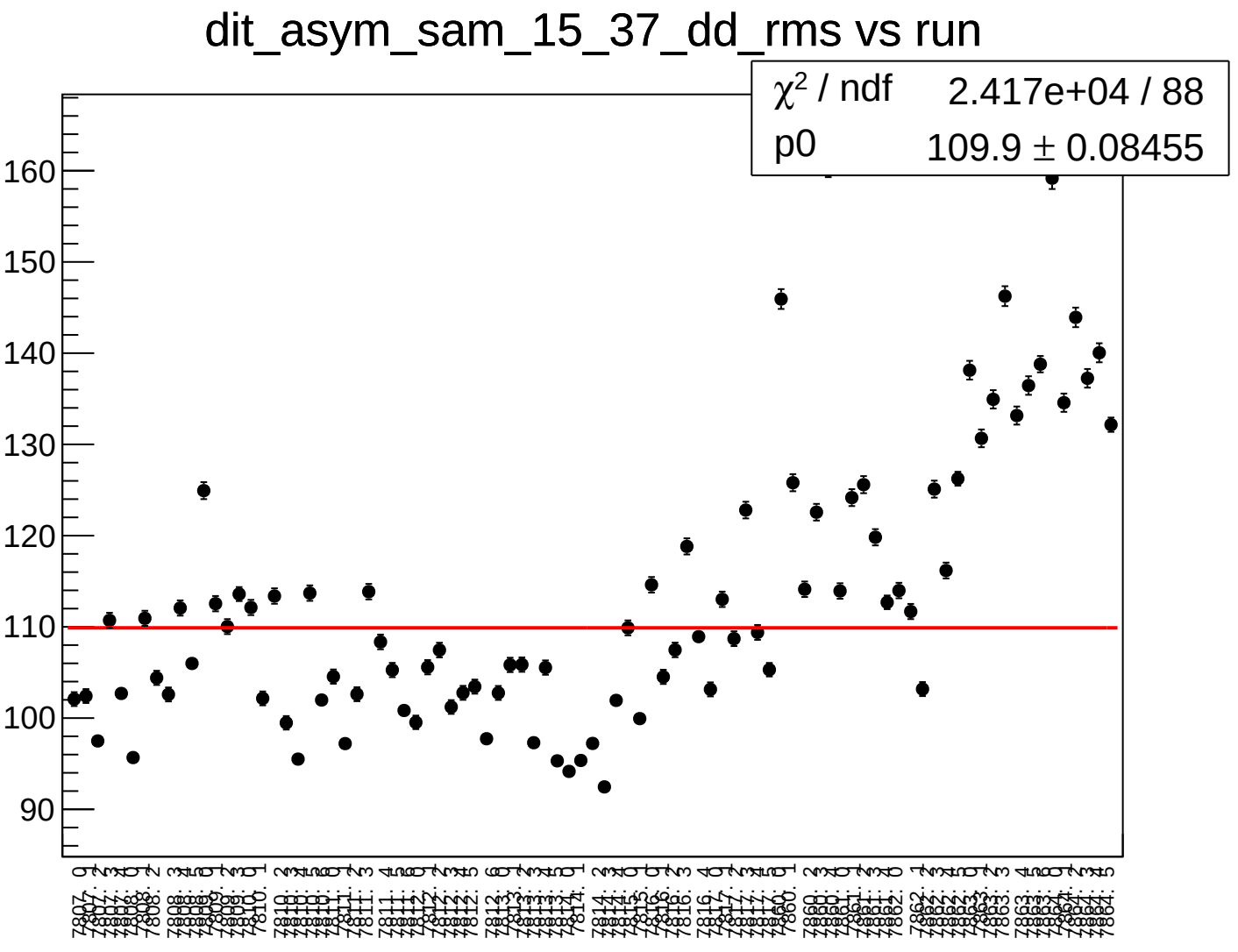

asym_sam_13_57_dd_mean vs run
χ^2 / ndf 89.13 / 88
p0 238.1 ± 903.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 129.7
Std Dev 60.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

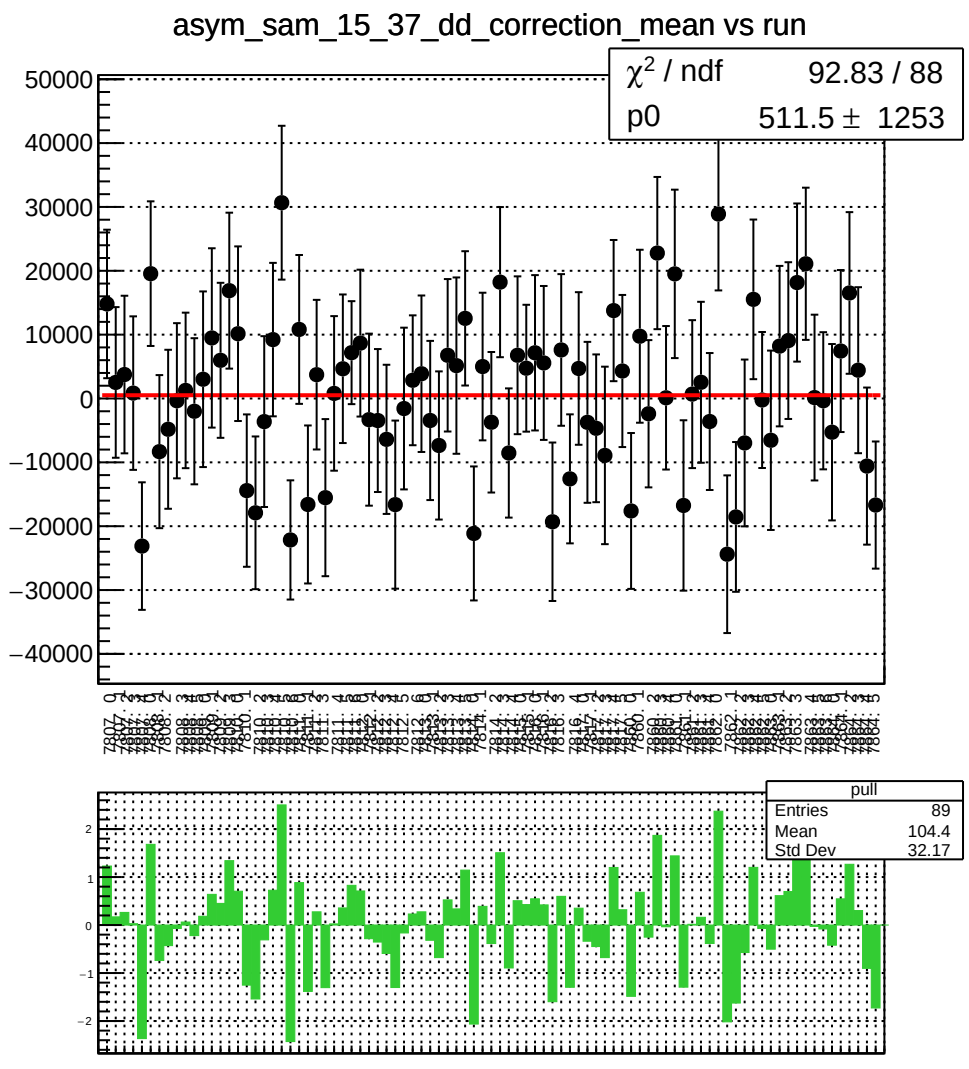

pull1D
Entries 89
Mean 0.008916
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

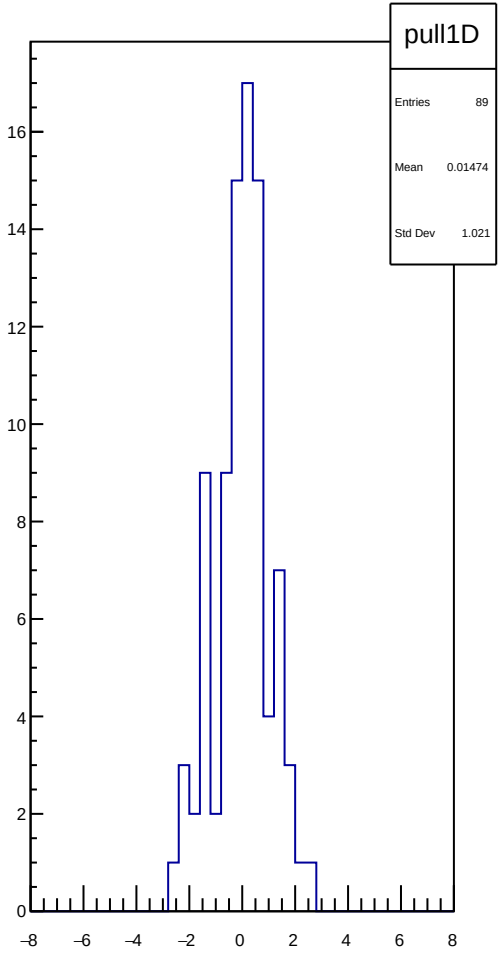

asym_sam_13_57_dd_rms vs run
χ² / ndf 7852 / 88
p0 834.1 ± 0.6387
1000
950
900
850
800
750
700

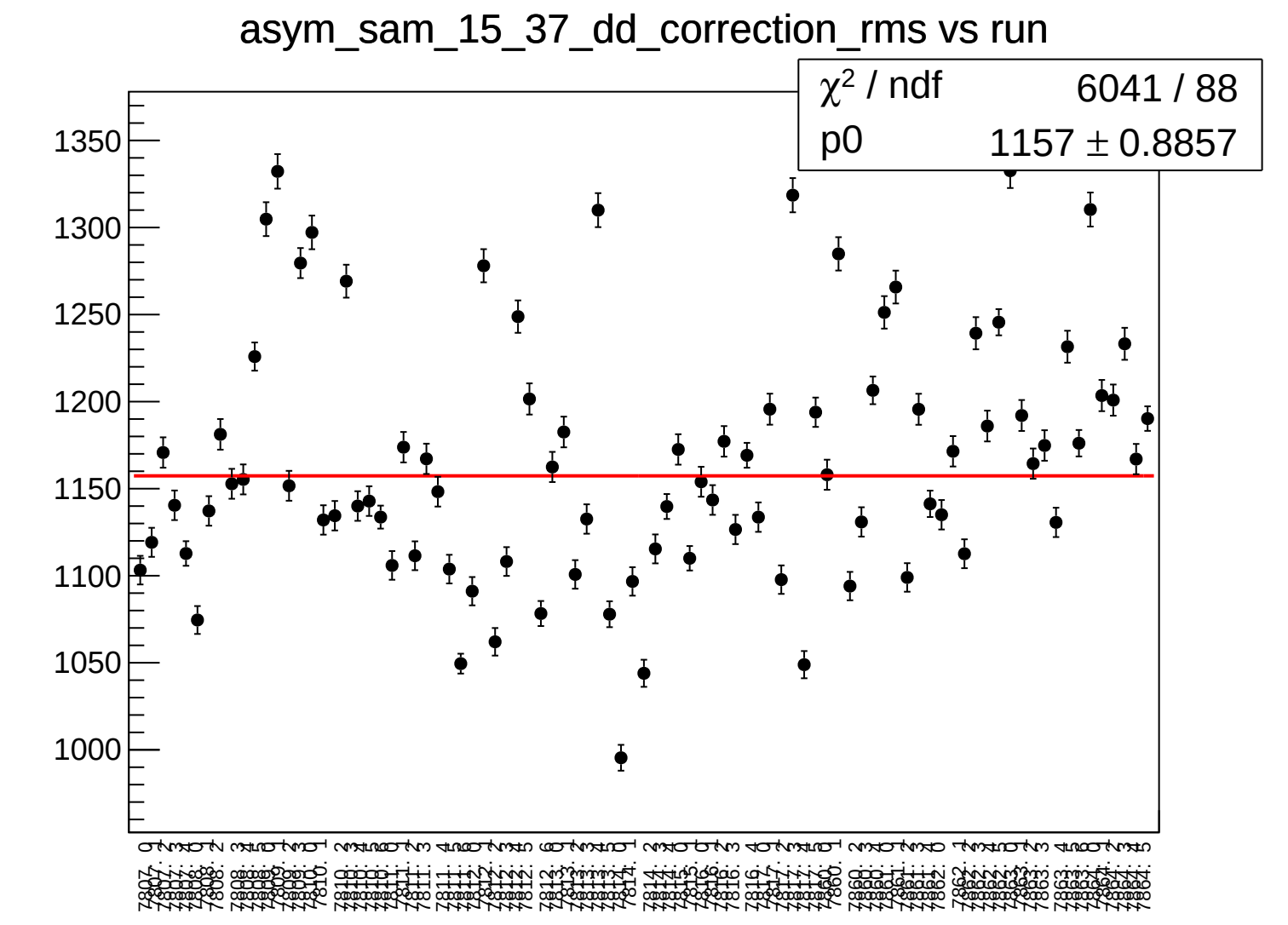

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 103.3 / 88
p0 42.94 ± 119.6
4000
2000
0
−2000
−4000
pull
Entries 89
Mean −46.42
Std Dev 91.11
2
1
0
−1
−2
−3

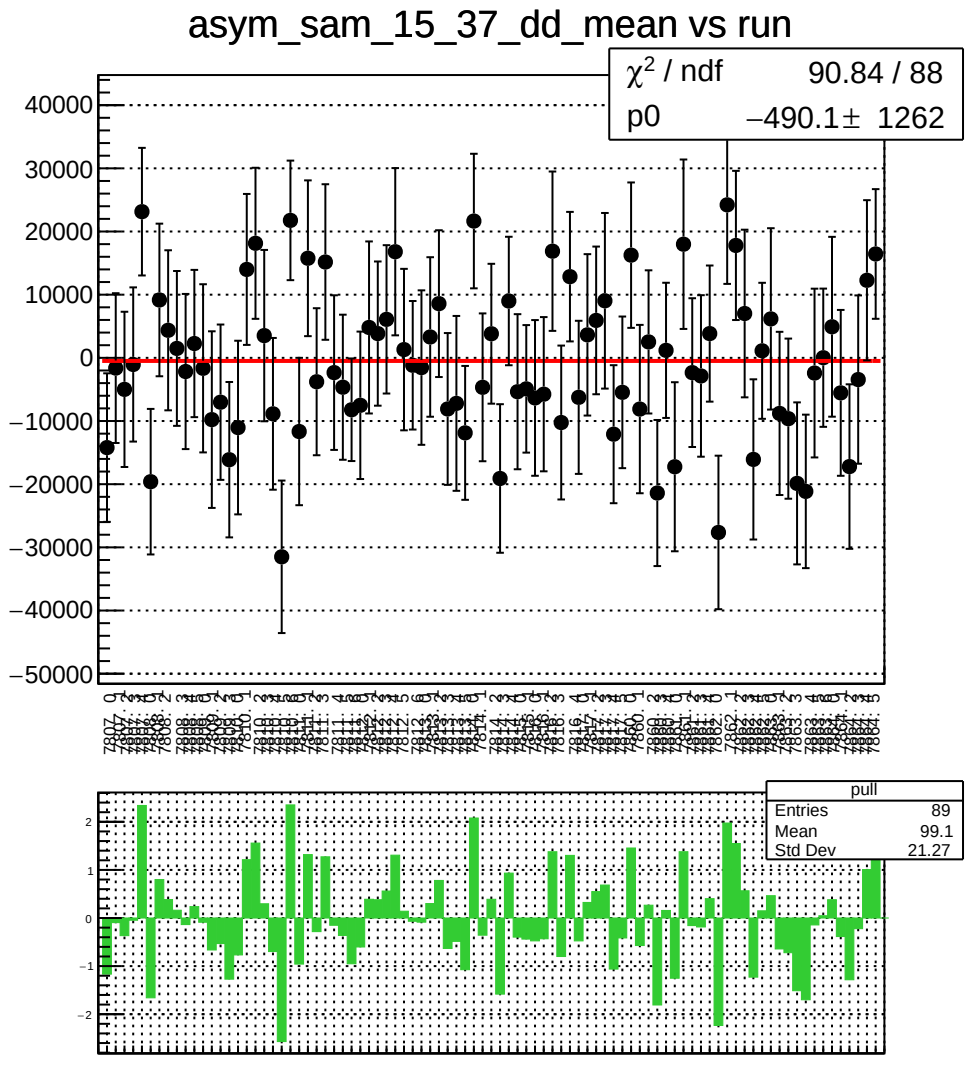

pull1D
Entries 89
Mean −0.004269
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

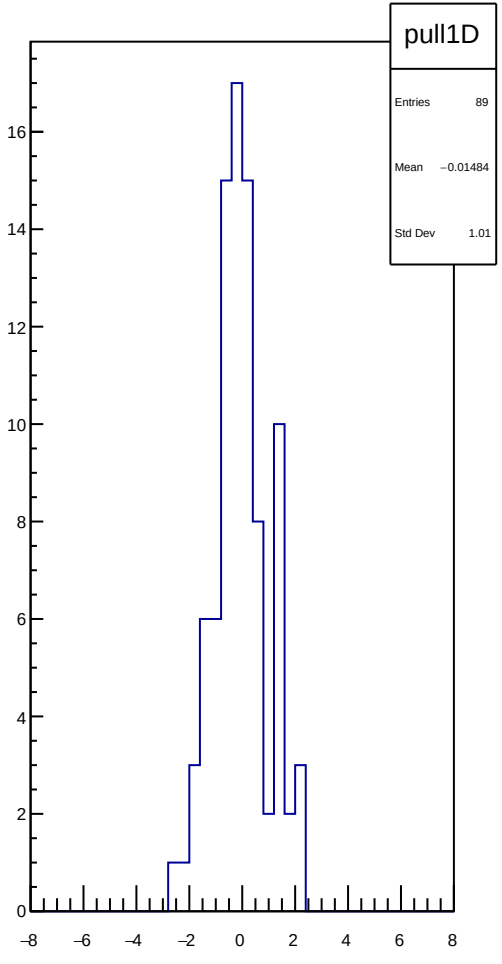

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.417e+04 / 88
p0 109.9 ± 0.08455
160
150
140
130
120
110
100
90

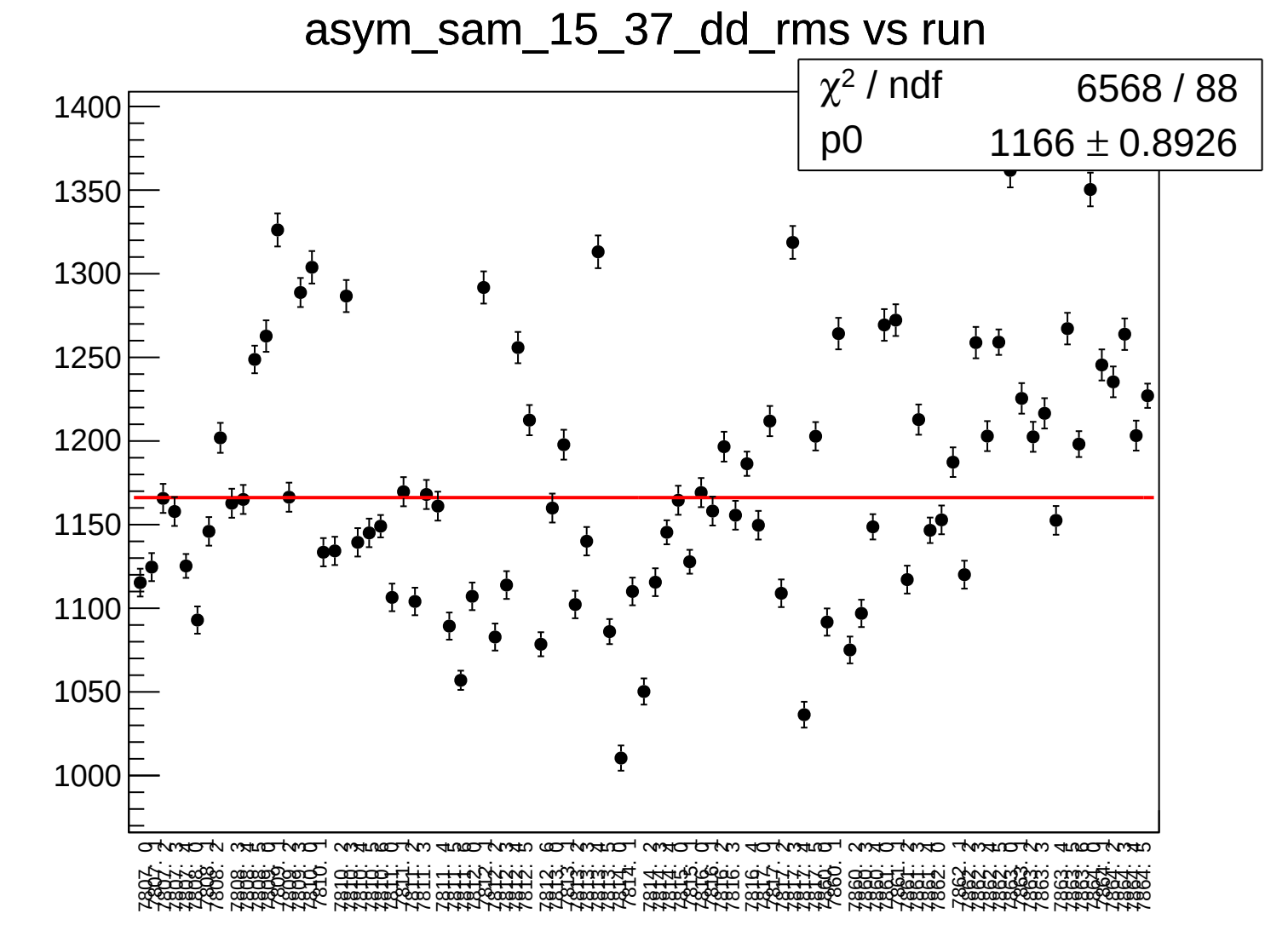

asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 92.83 / 88
p0 511.5 ± 1253
pull
Entries 89
Mean 104.4
Std Dev 32.17

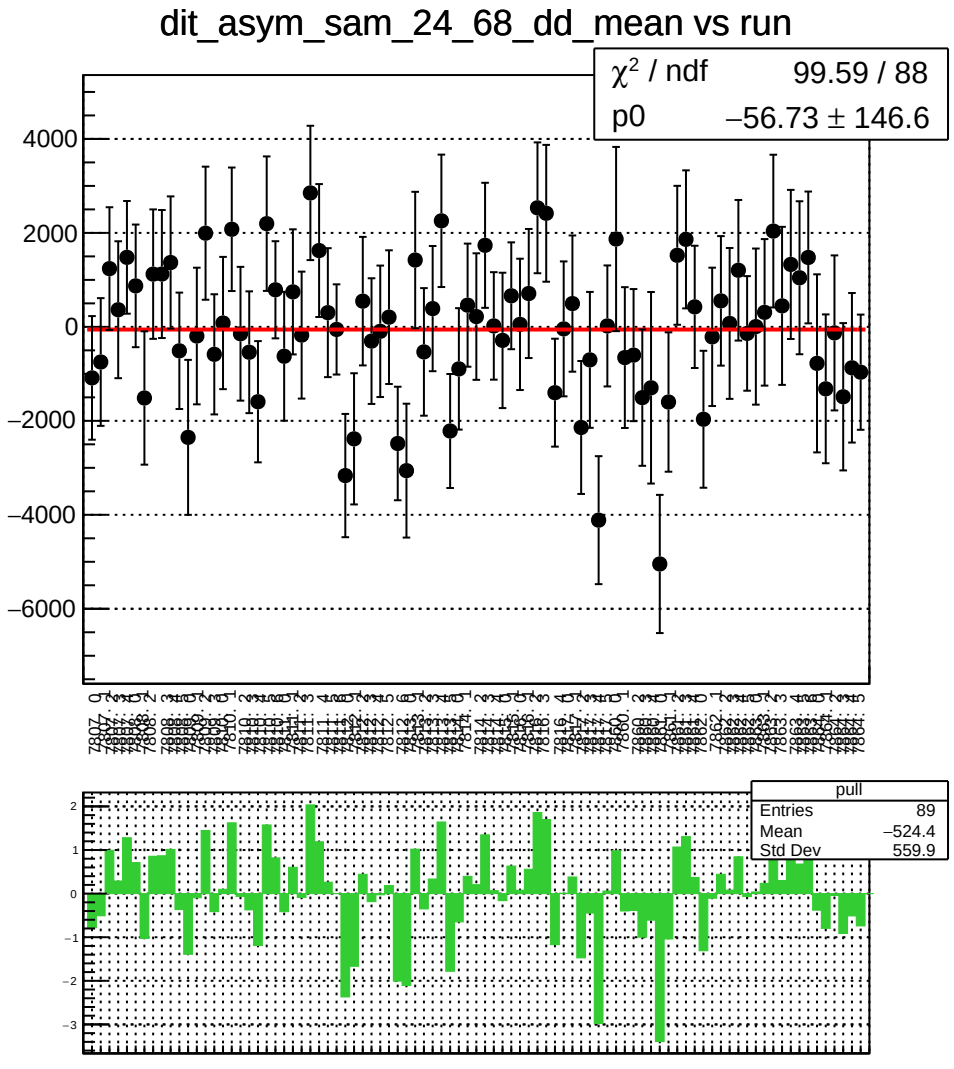

pull1D
Entries 89
Mean 0.01474
Std Dev 1.021

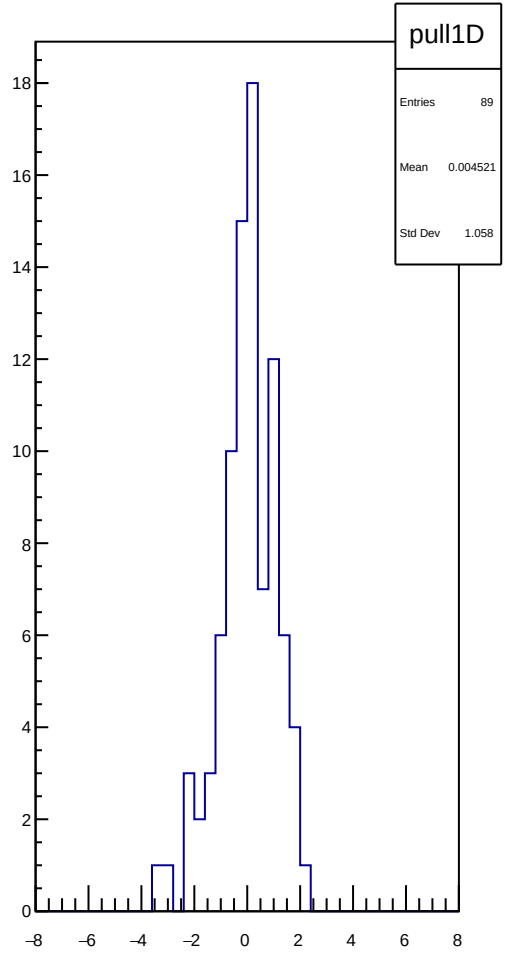

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 6041 / 88
p0 1157 ± 0.8857
1350
1300
1250
1200
1150
1100
1050
1000

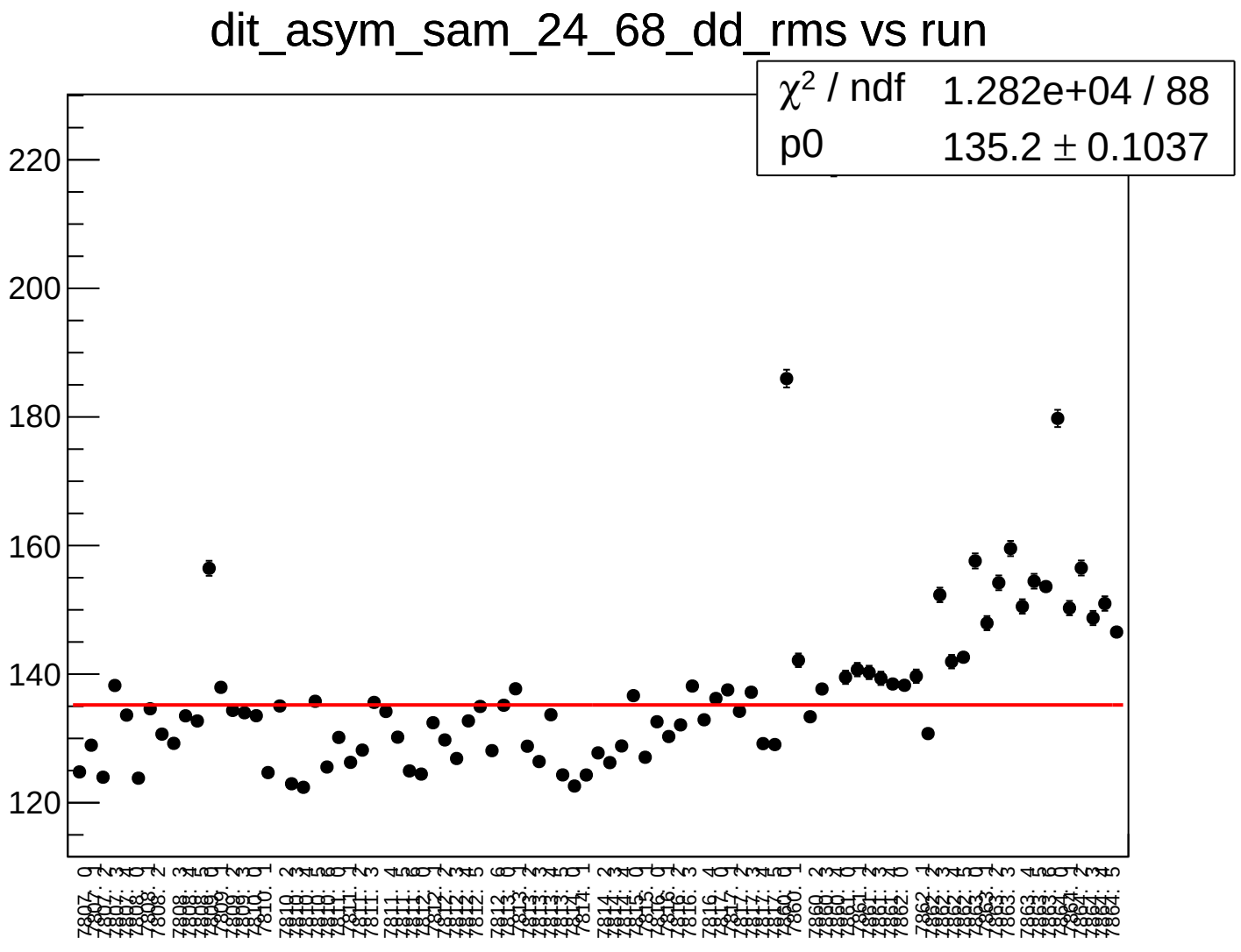

asym_sam_15_37_dd_mean vs run
χ² / ndf 90.84 / 88
p0 −490.1± 1262
pull
Entries 89
Mean 99.1
Std Dev 21.27

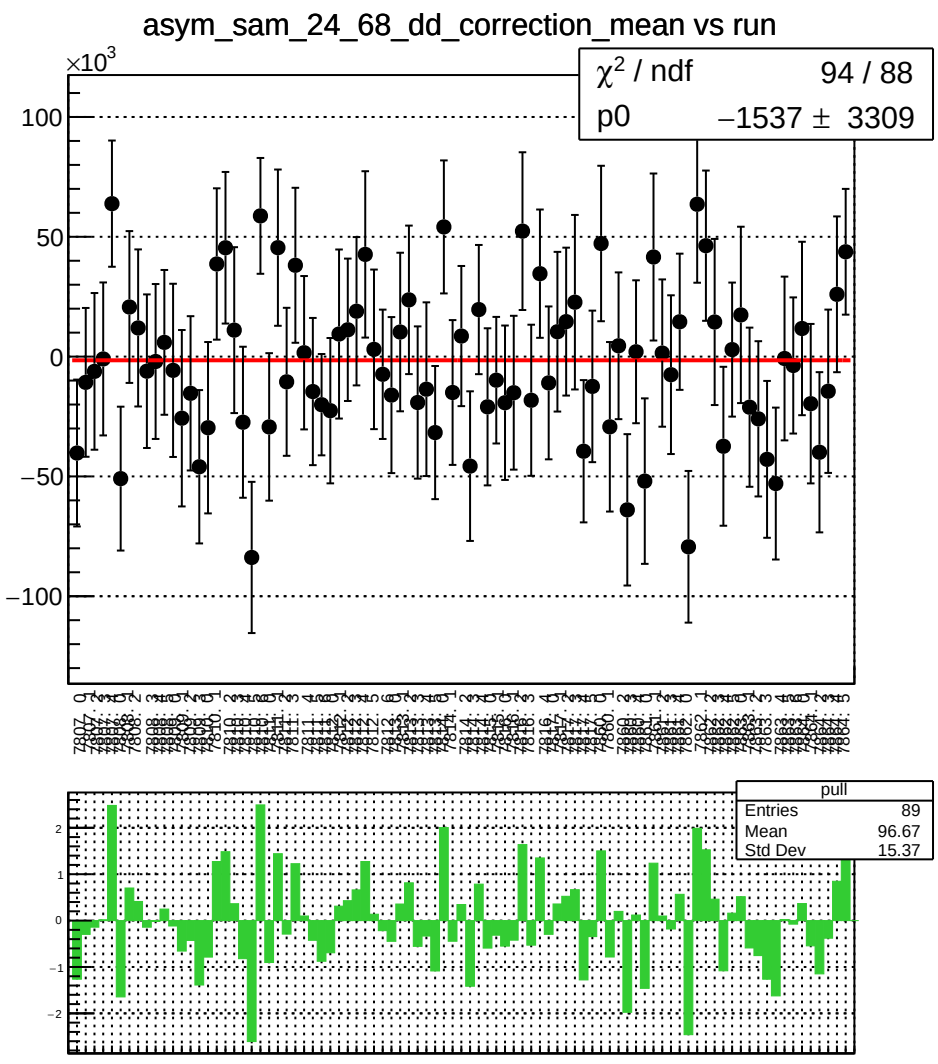

pull1D
Entries 89
Mean −0.01484
Std Dev 1.01

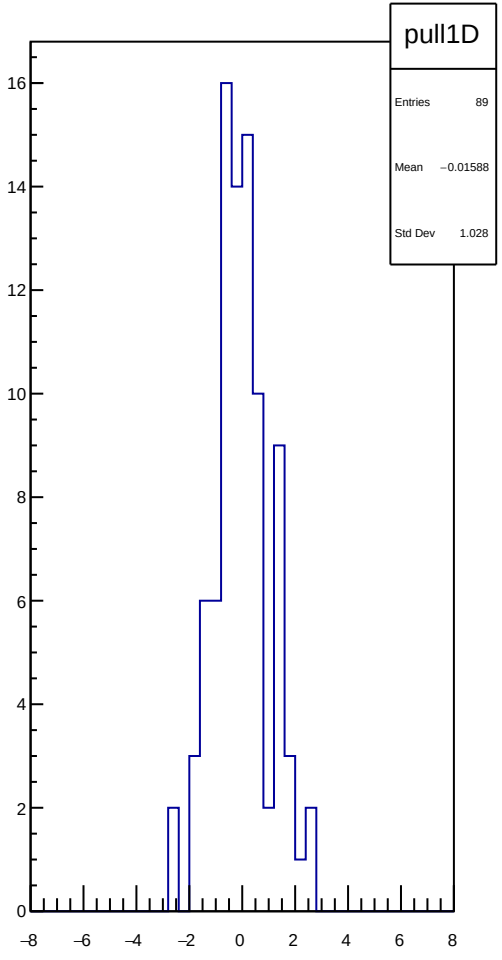

asym_sam_15_37_dd_rms vs run
χ² / ndf 6568 / 88
p0 1166 ± 0.8926
1400
1350
1300
1250
1200
1150
1100
1050
1000

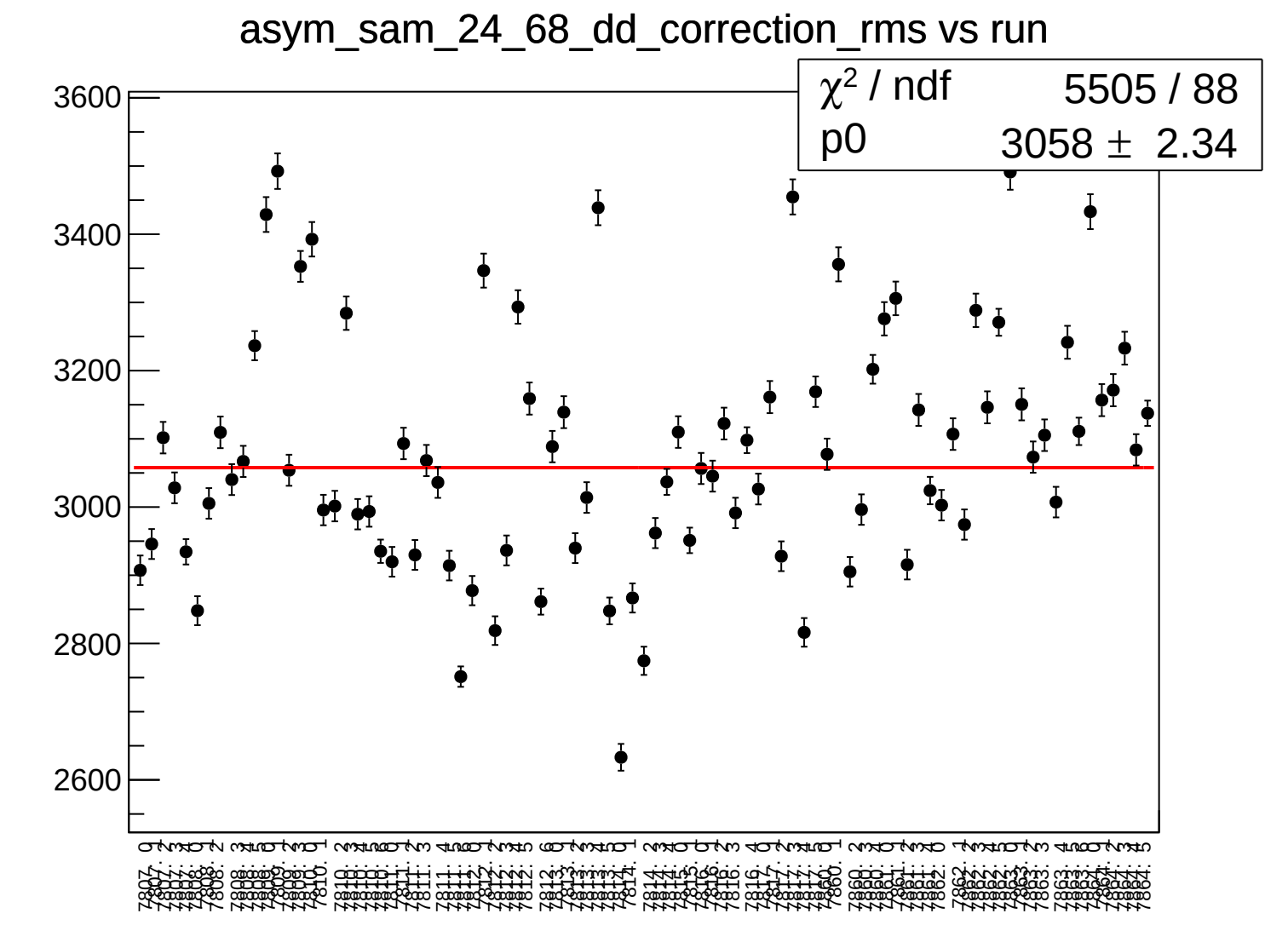

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 99.59 / 88
p0 −56.73 ± 146.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −524.4
Std Dev 559.9
2
1
0
−1
−2
−3

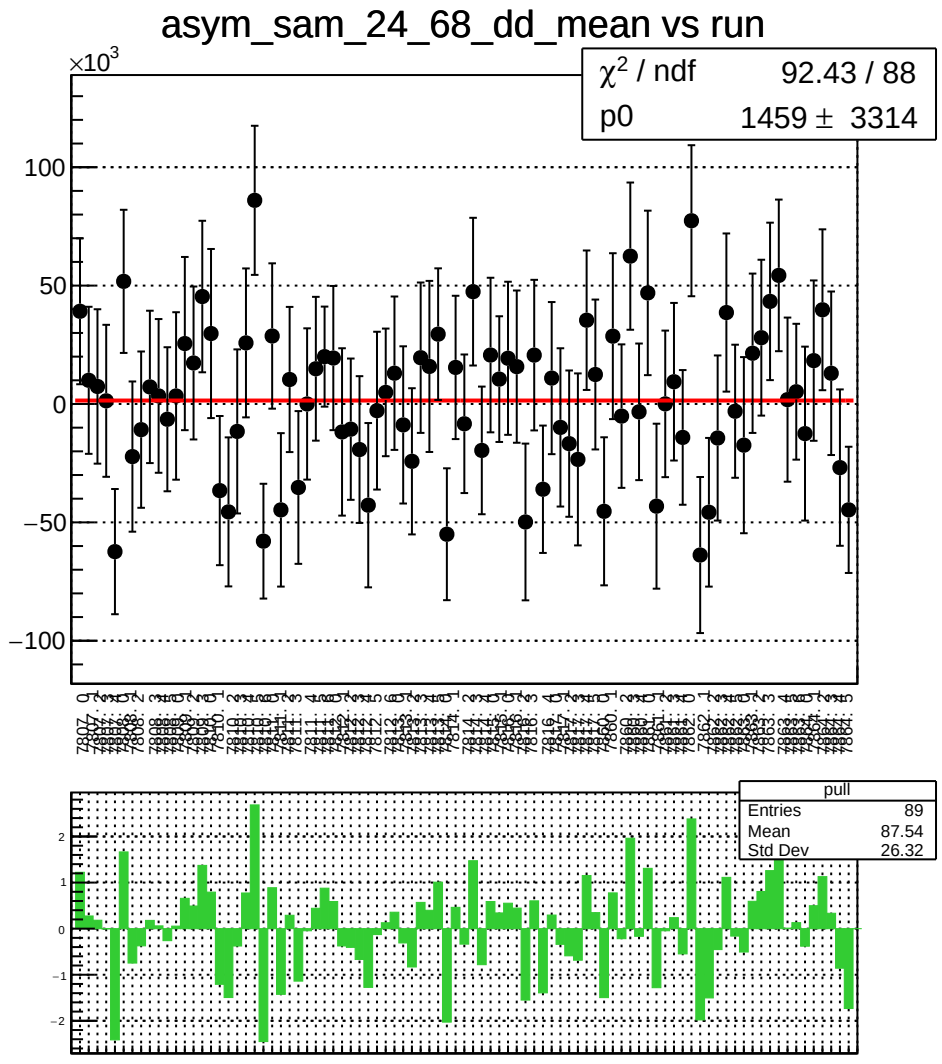

pull1D
Entries 89
Mean 0.004521
Std Dev 1.058
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

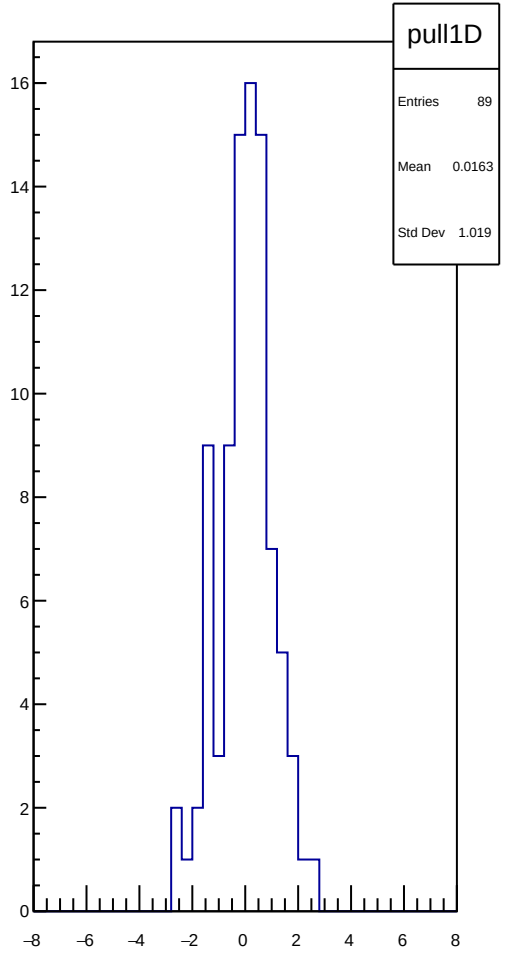

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.282e+04 / 88
p0 135.2 ± 0.1037
220
200
180
160
140
120

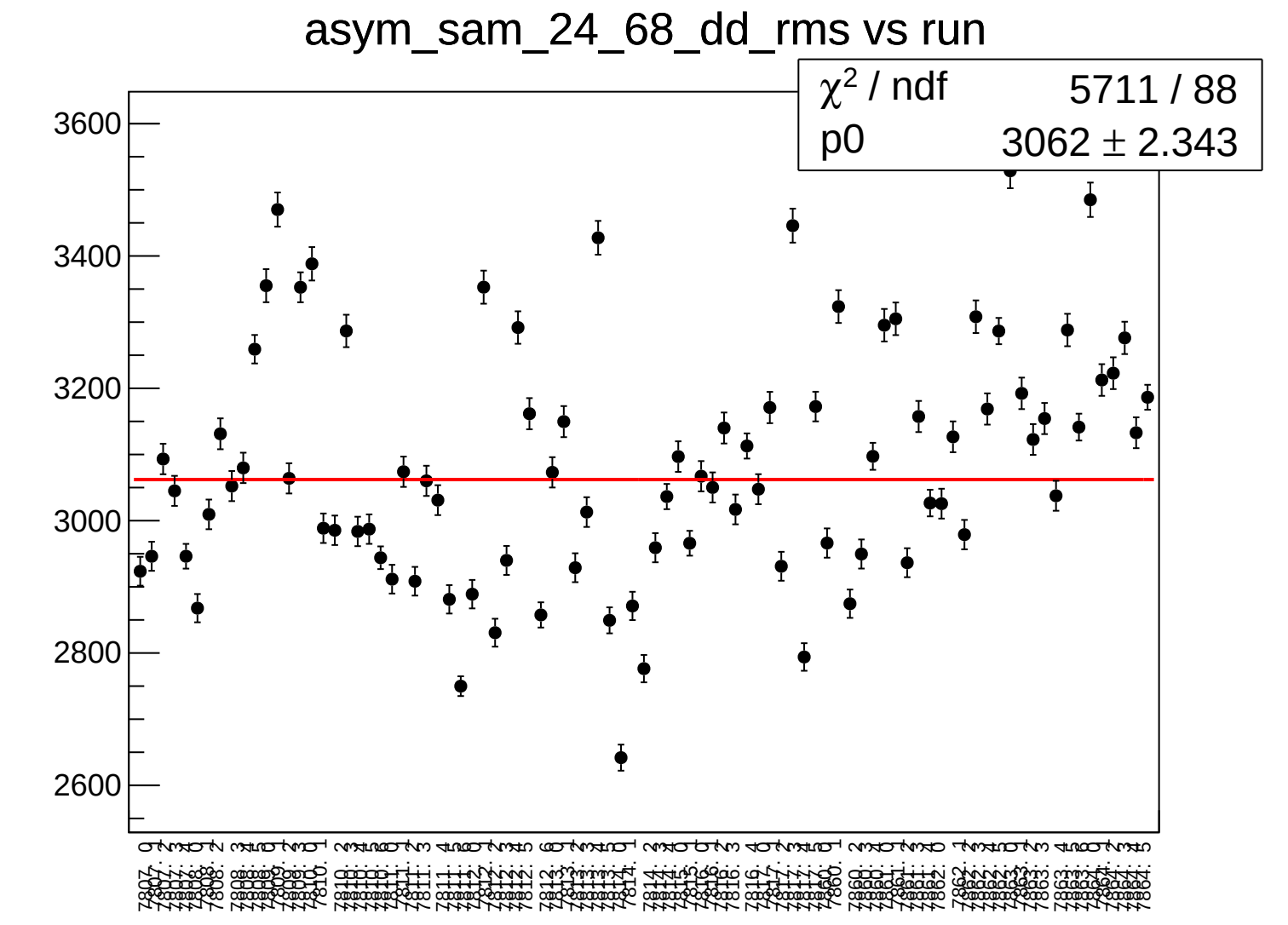

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 94 / 88
p0 −1537 ± 3309
pull
Entries 89
Mean 96.67
Std Dev 15.37

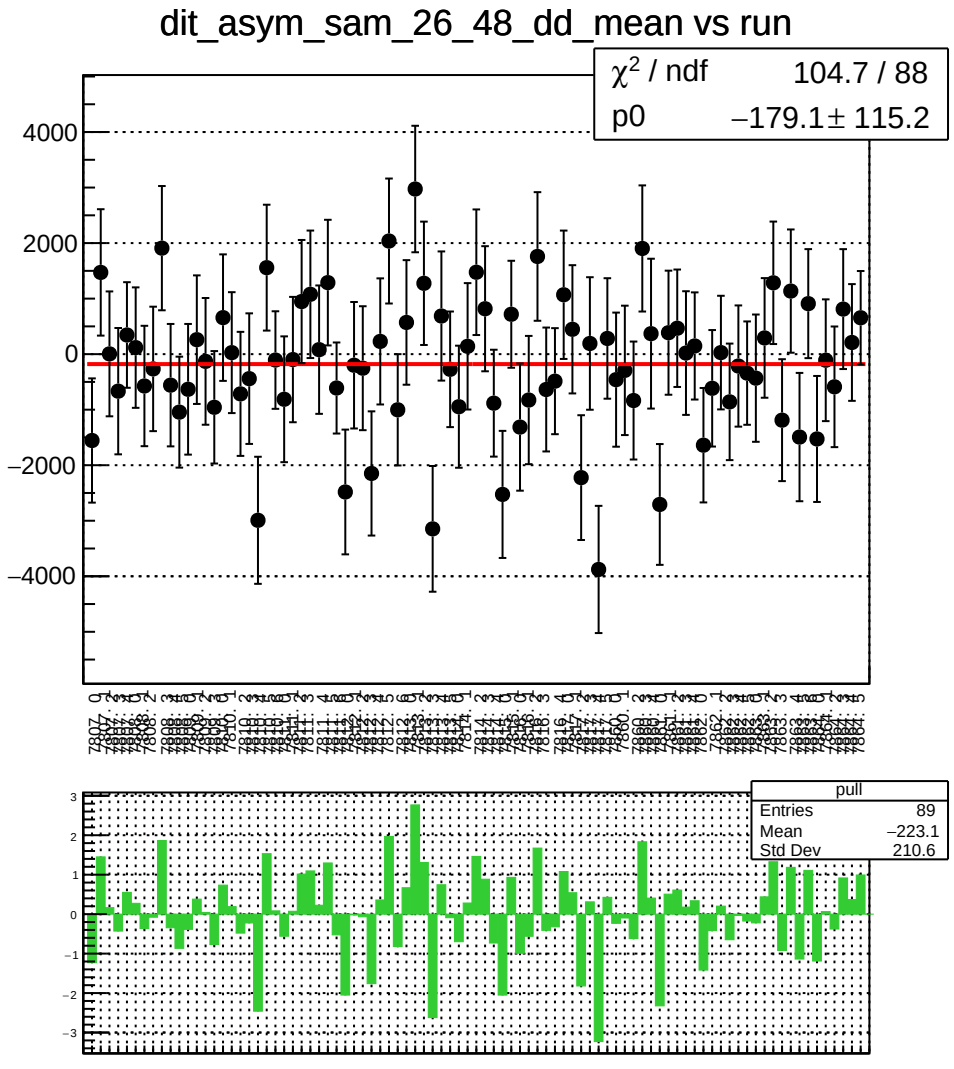

pull1D
Entries 89
Mean −0.01588
Std Dev 1.028

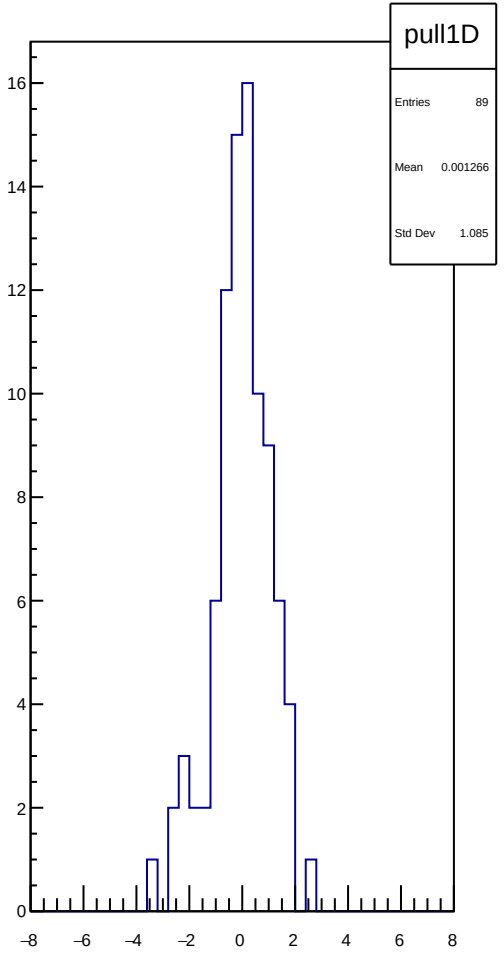

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 5505 / 88
p0 3058 ± 2.34
3600
3400
3200
3000
2800
2600

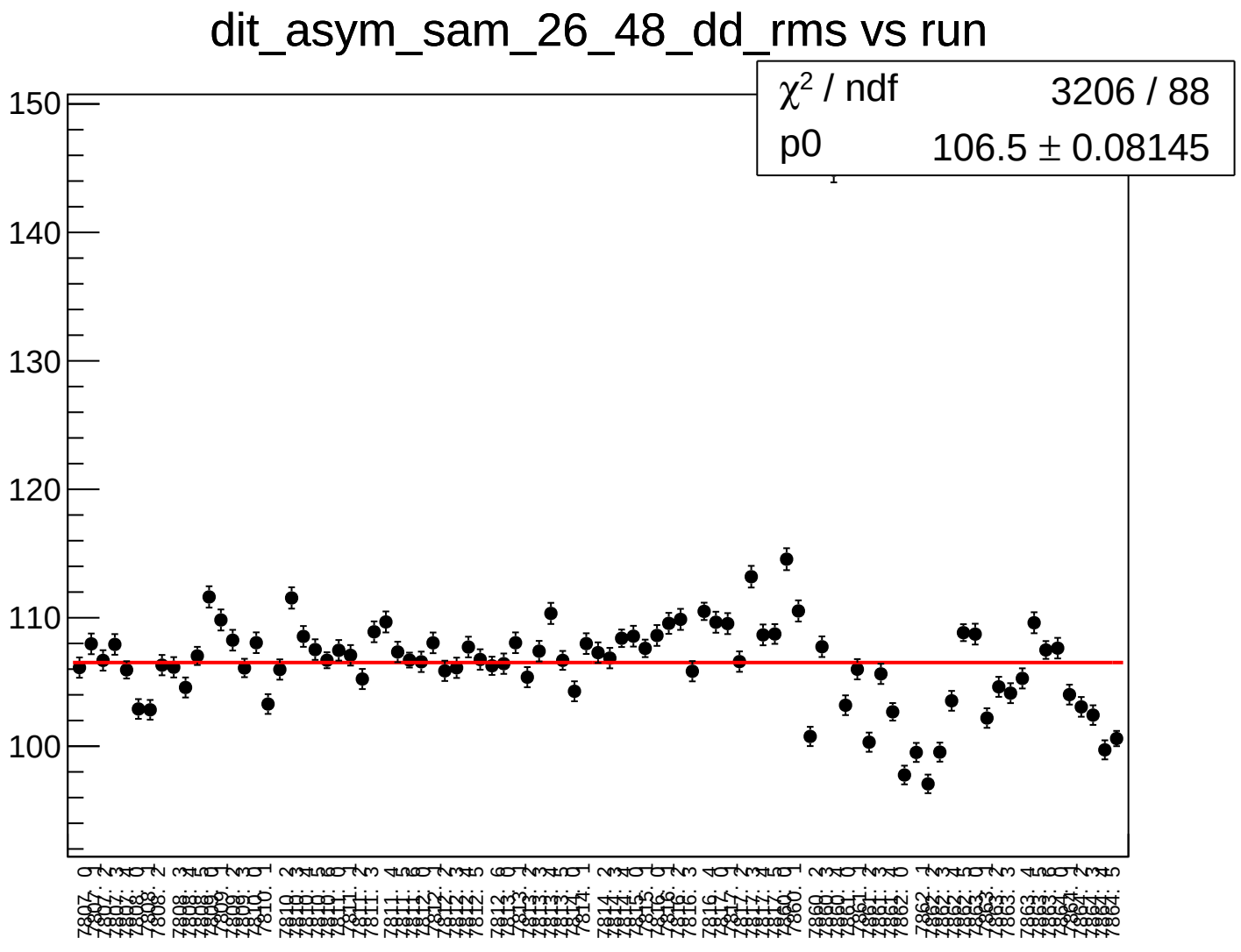

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 92.43 / 88
p0 1459 ± 3314
100
50
0
−50
−100
pull
Entries 89
Mean 87.54
Std Dev 26.32
2
1
0
−1
−2

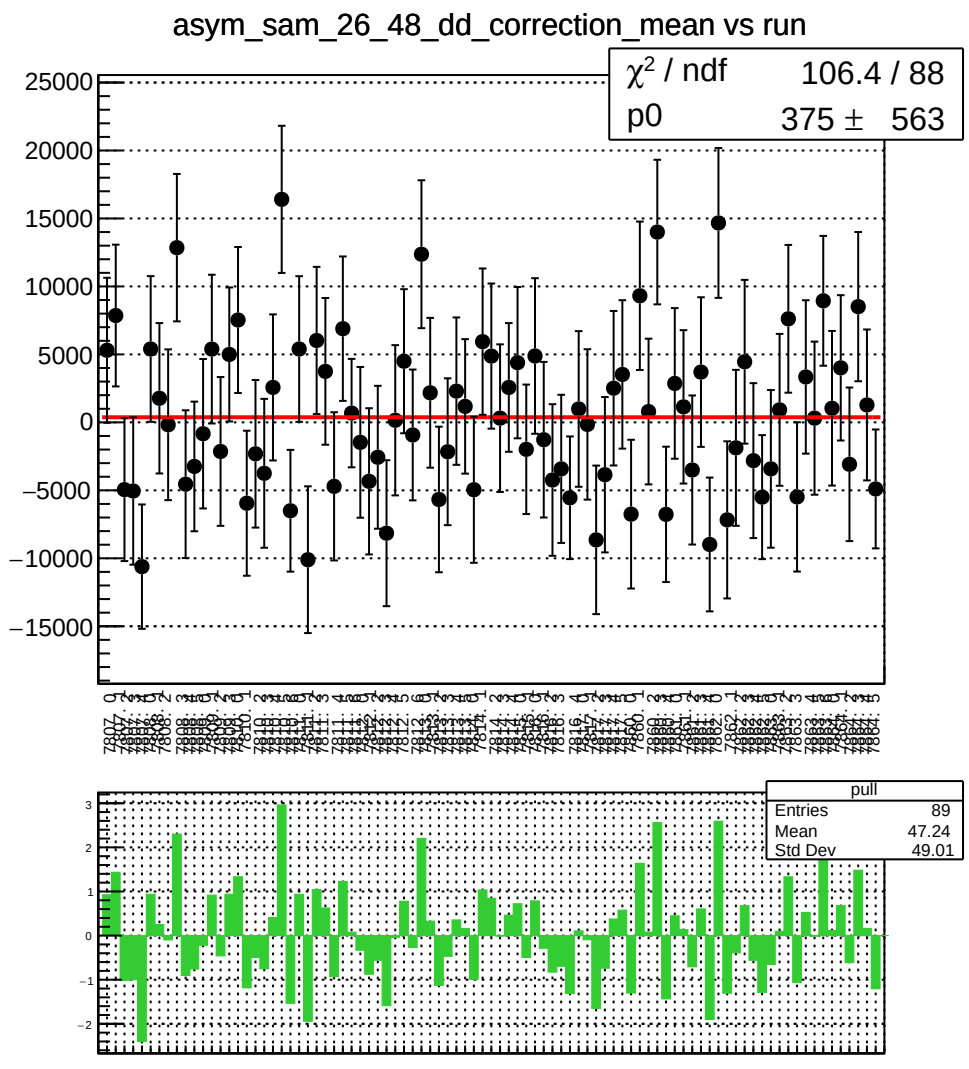

pull1D
Entries 89
Mean 0.0163
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

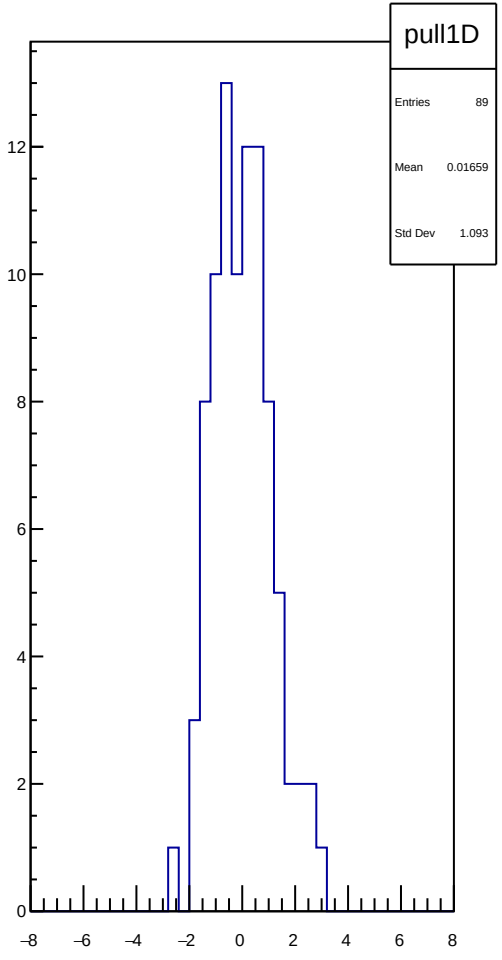

asym_sam_24_68_dd_rms vs run
χ² / ndf 5711 / 88
p0 3062 ± 2.343
3600
3400
3200
3000
2800
2600

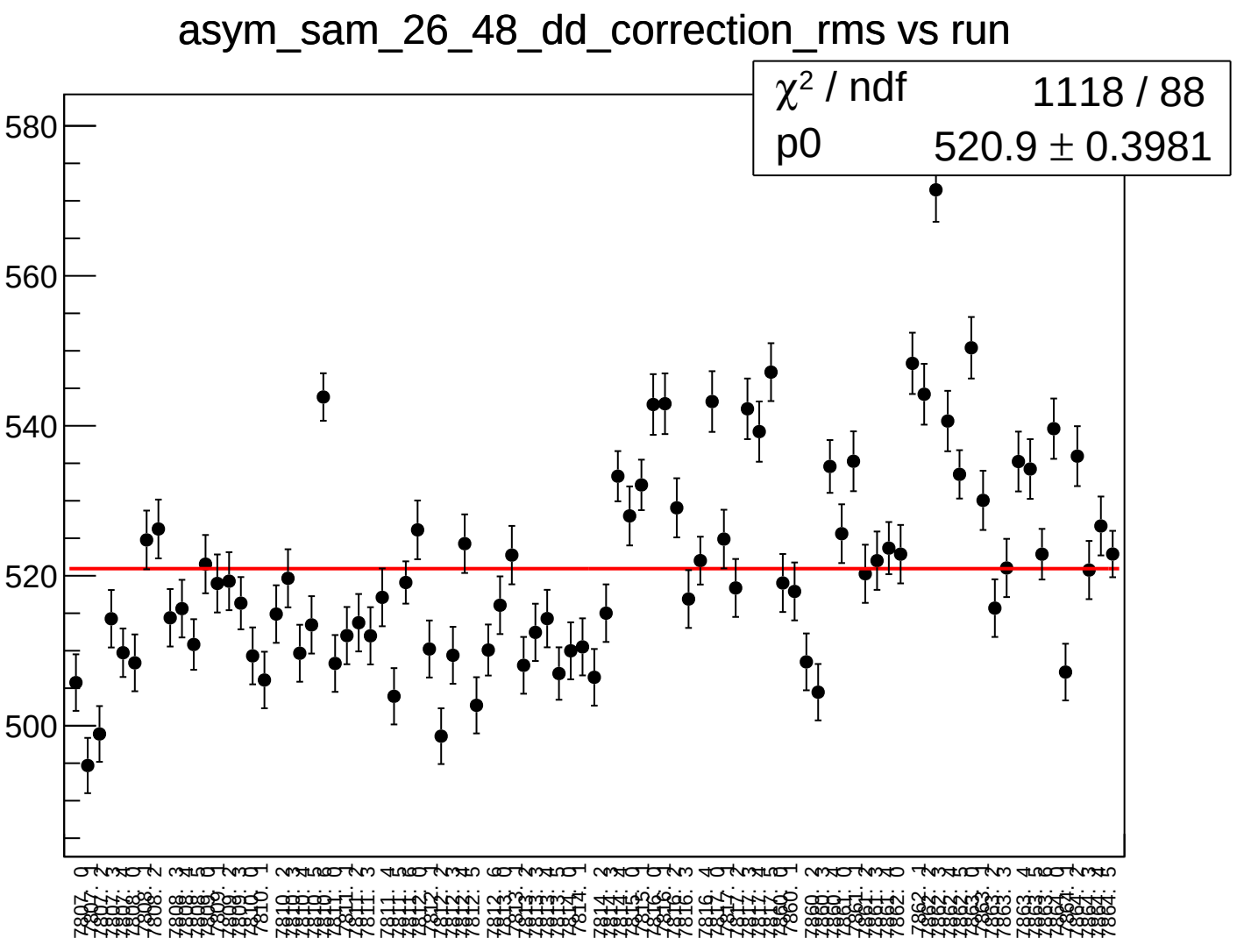

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 104.7 / 88
p0 −179.1± 115.2
4000
2000
0
−2000
−4000
pull
Entries 89
Mean −223.1
Std Dev 210.6
3
2
1
0
−1
−2
−3

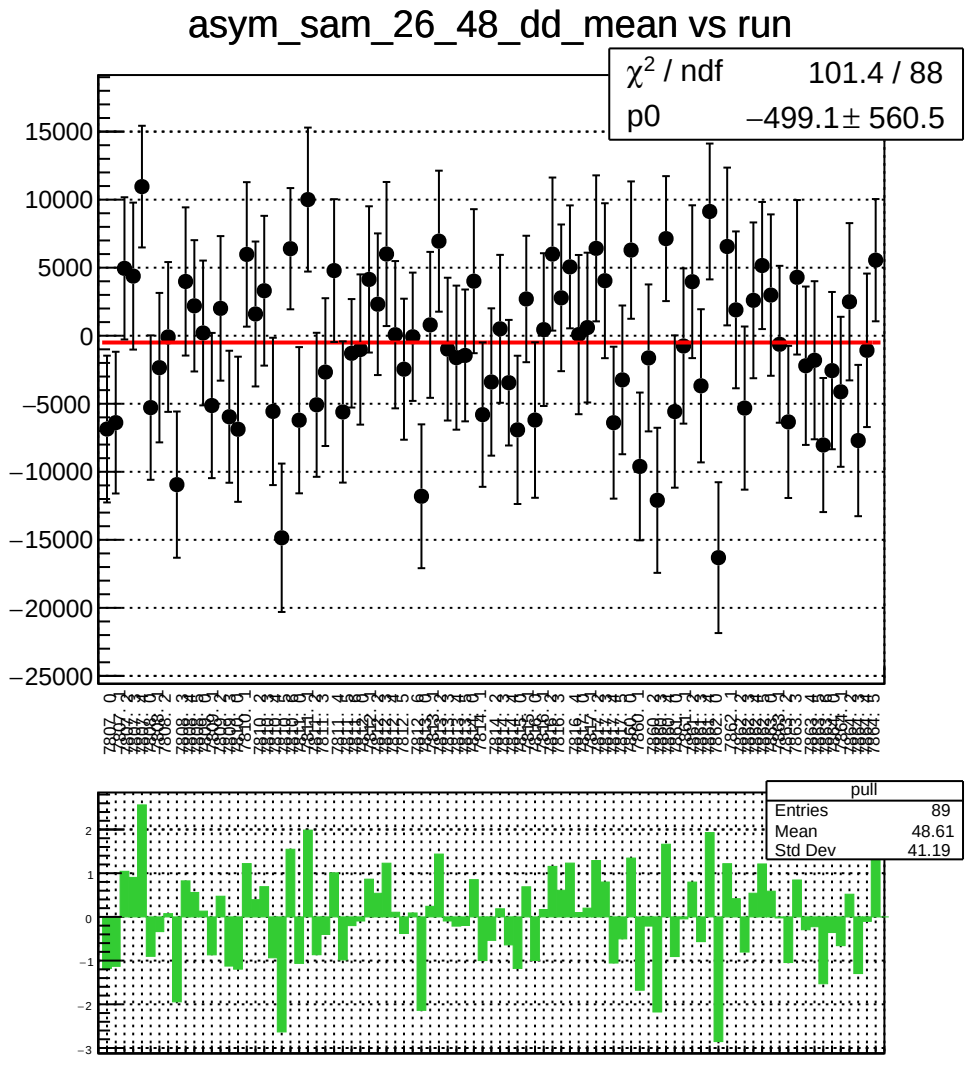

pull1D
Entries 89
Mean 0.001266
Std Dev 1.085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

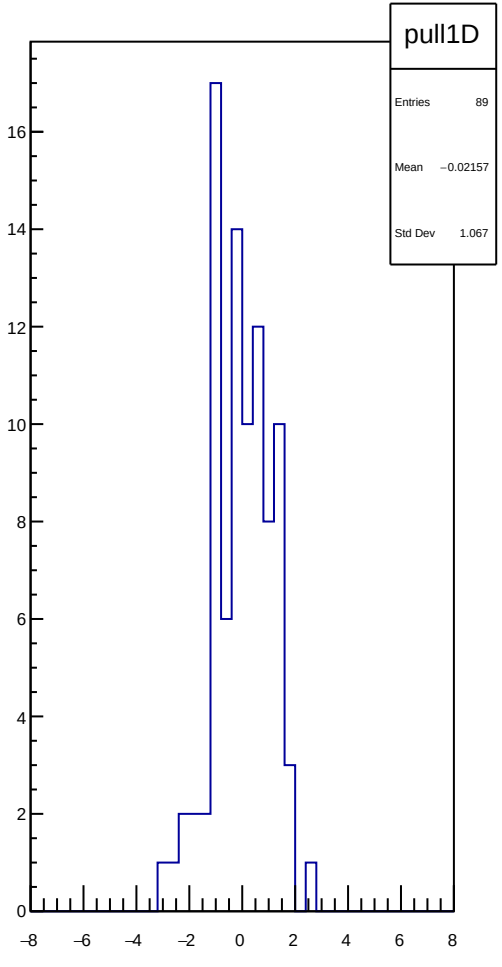

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 3206 / 88
p0 106.5 ± 0.08145
150
140
130
120
110
100

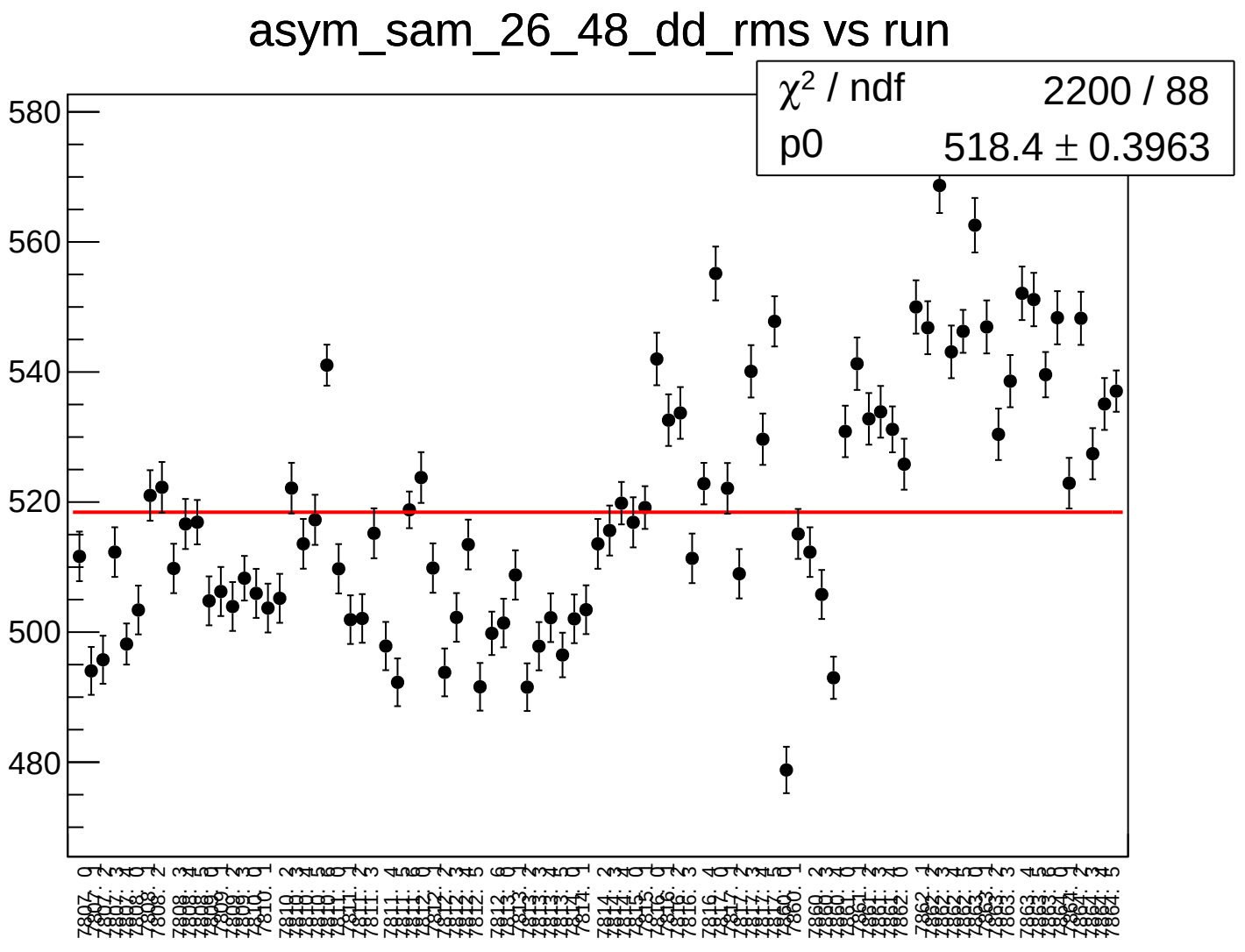

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 106.4 / 88
p0 375 ± 563
pull
Entries 89
Mean 47.24
Std Dev 49.01

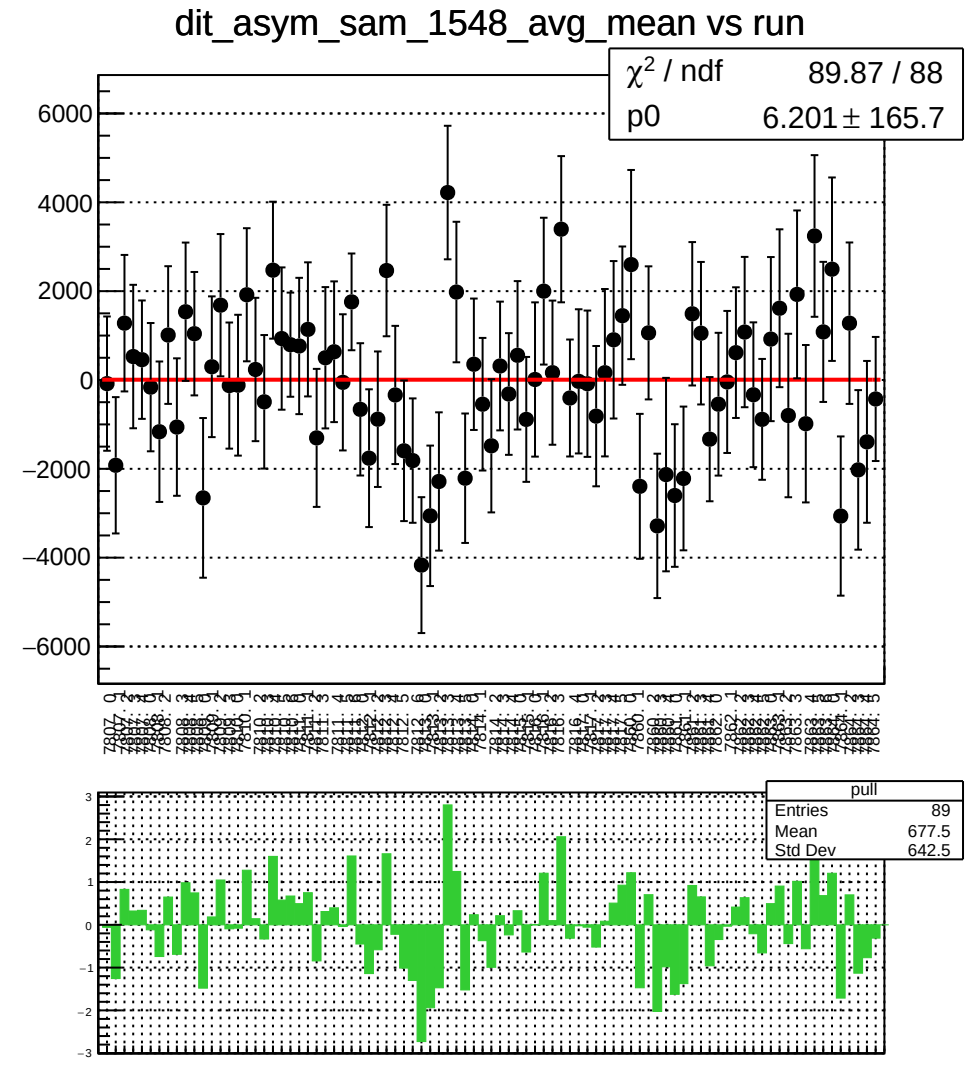

pull1D
Entries 89
Mean 0.01659
Std Dev 1.093

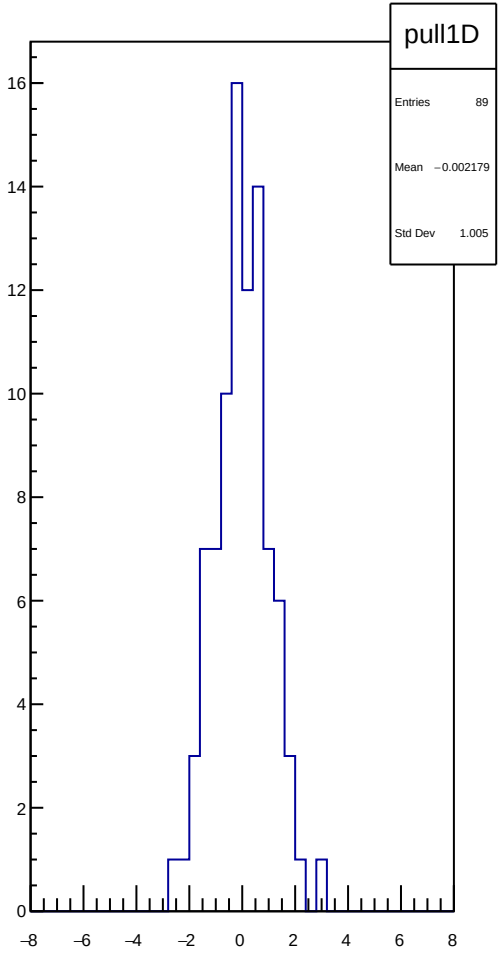

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1118 / 88
p0 520.9 ± 0.3981
580
560
540
520
500

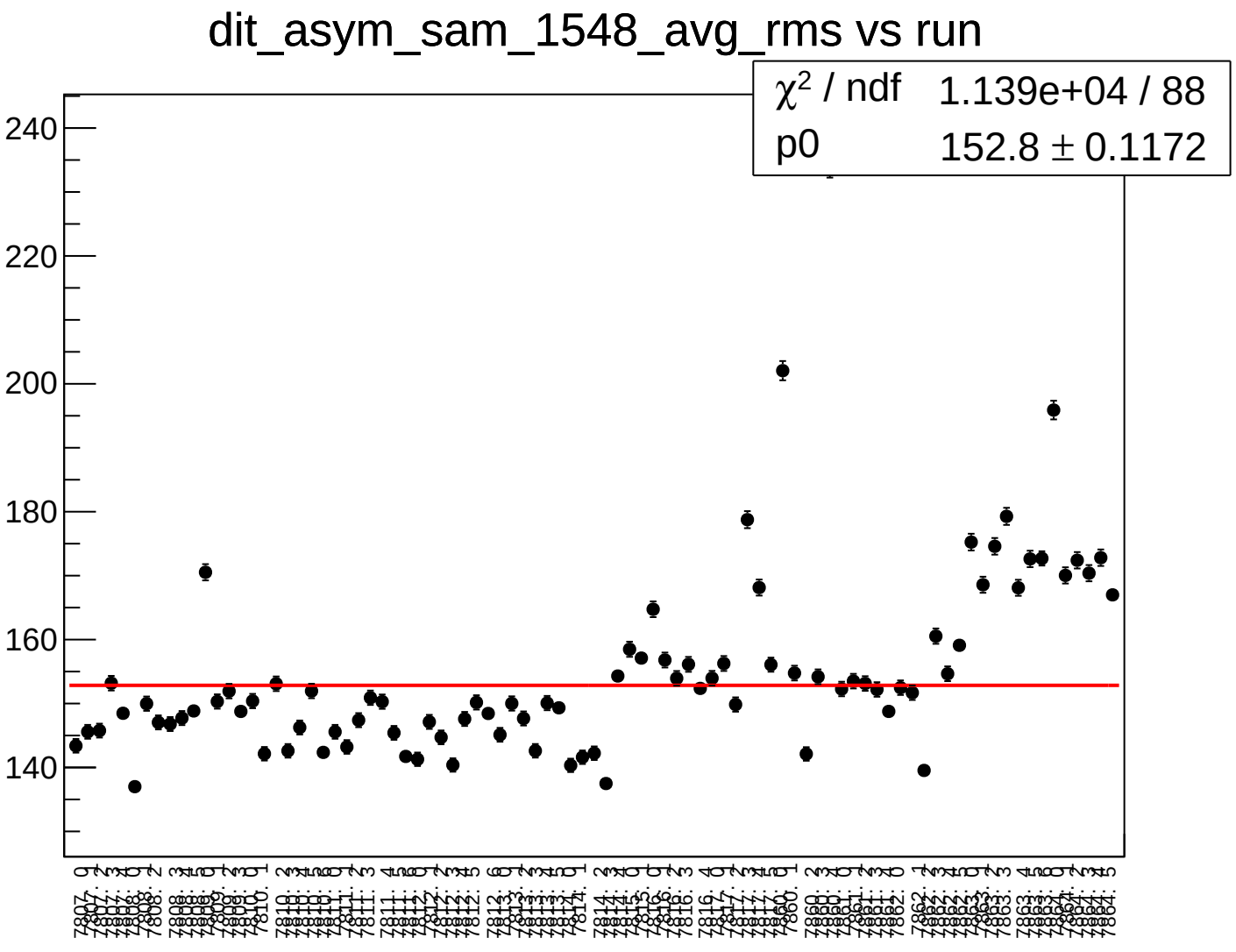

asym_sam_26_48_dd_mean vs run
χ² / ndf 101.4 / 88
p0 −499.1 ± 560.5
pull
Entries 89
Mean 48.61
Std Dev 41.19

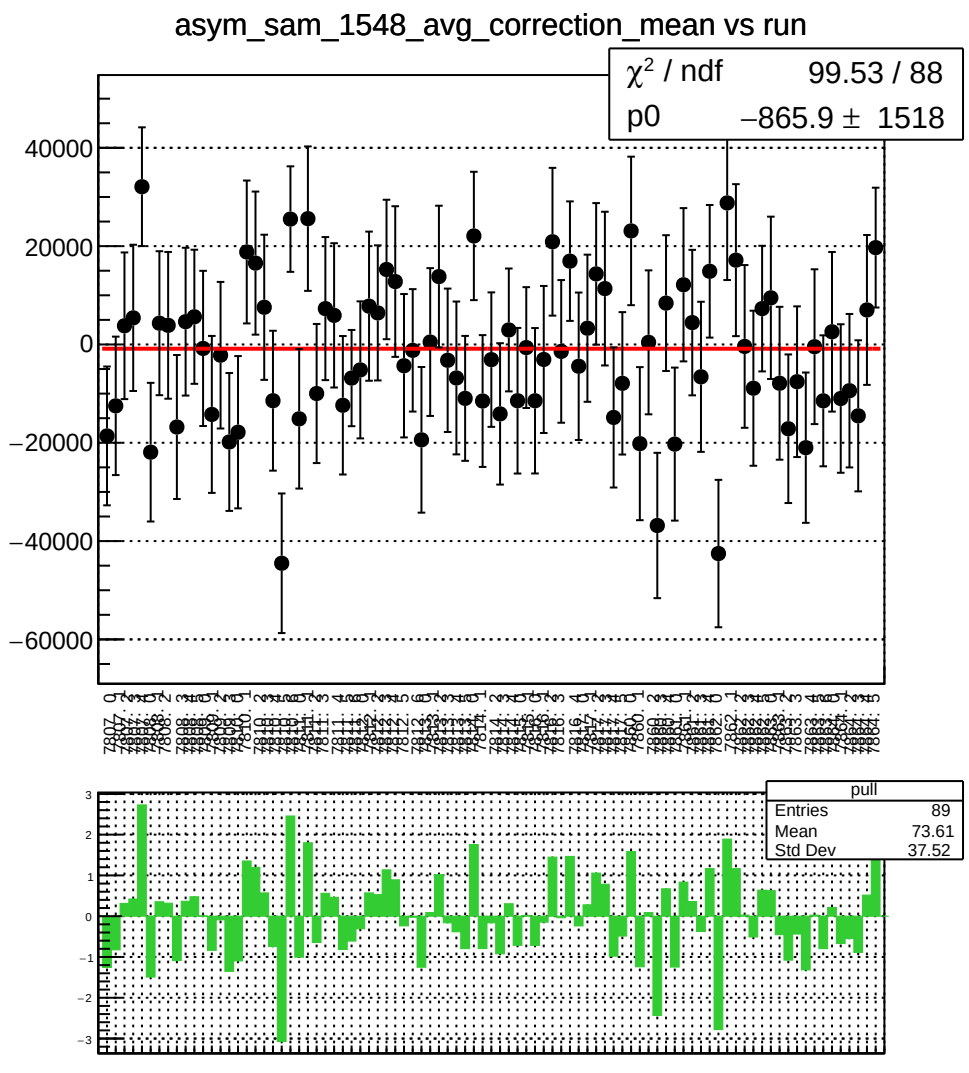

pull1D
Entries 89
Mean −0.02157
Std Dev 1.067

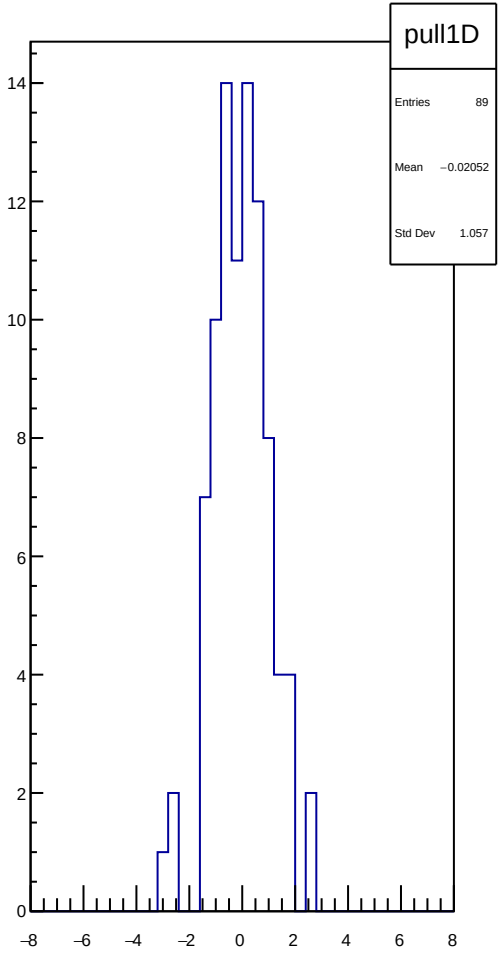

asym_sam_26_48_dd_rms vs run
χ² / ndf 2200 / 88
p0 518.4 ± 0.3963
580
560
540
520
500
480

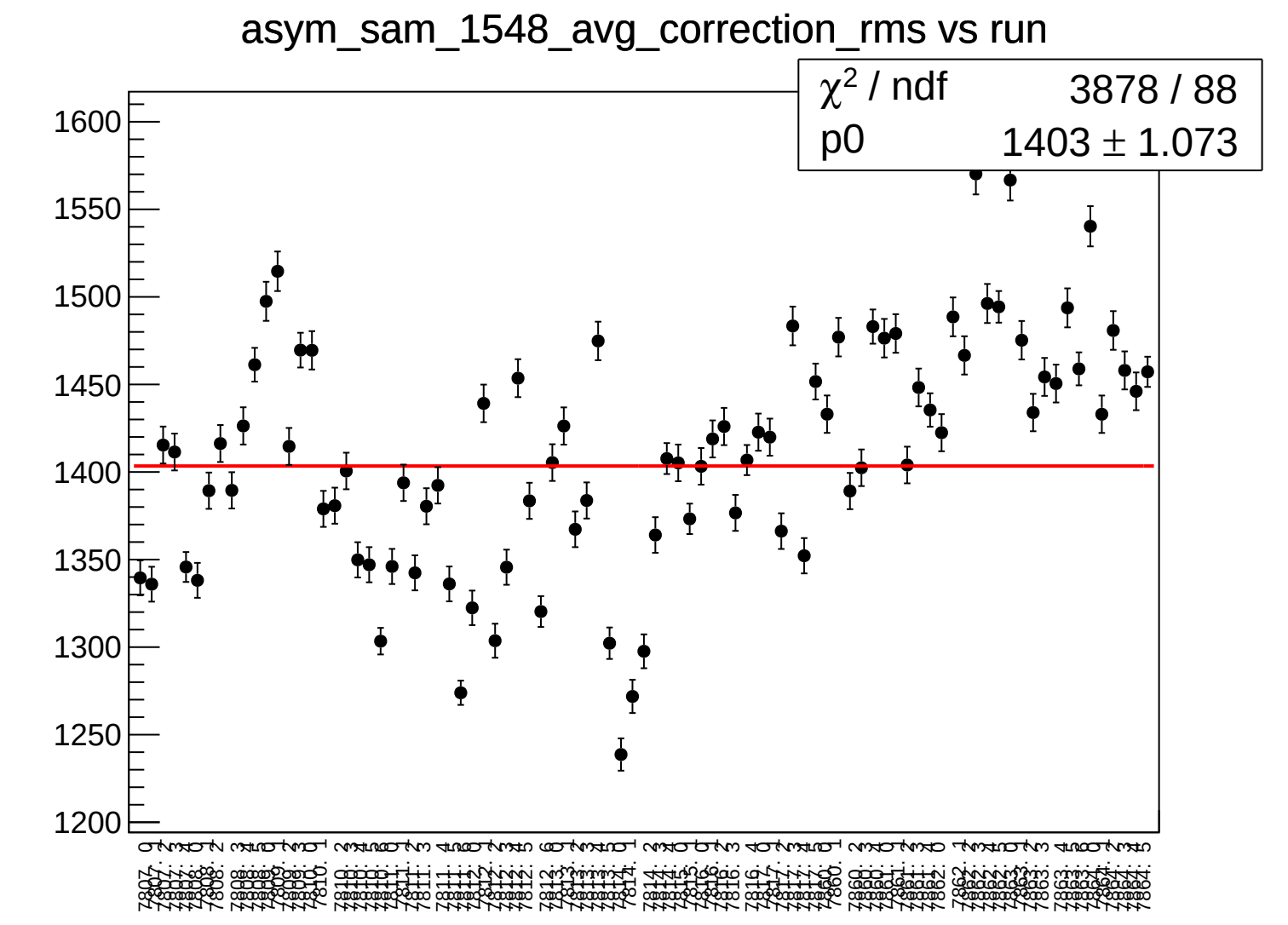

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 89.87 / 88
p0 6.201 ± 165.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 677.5
Std Dev 642.5
3
2
1
0
−1
−2
−3

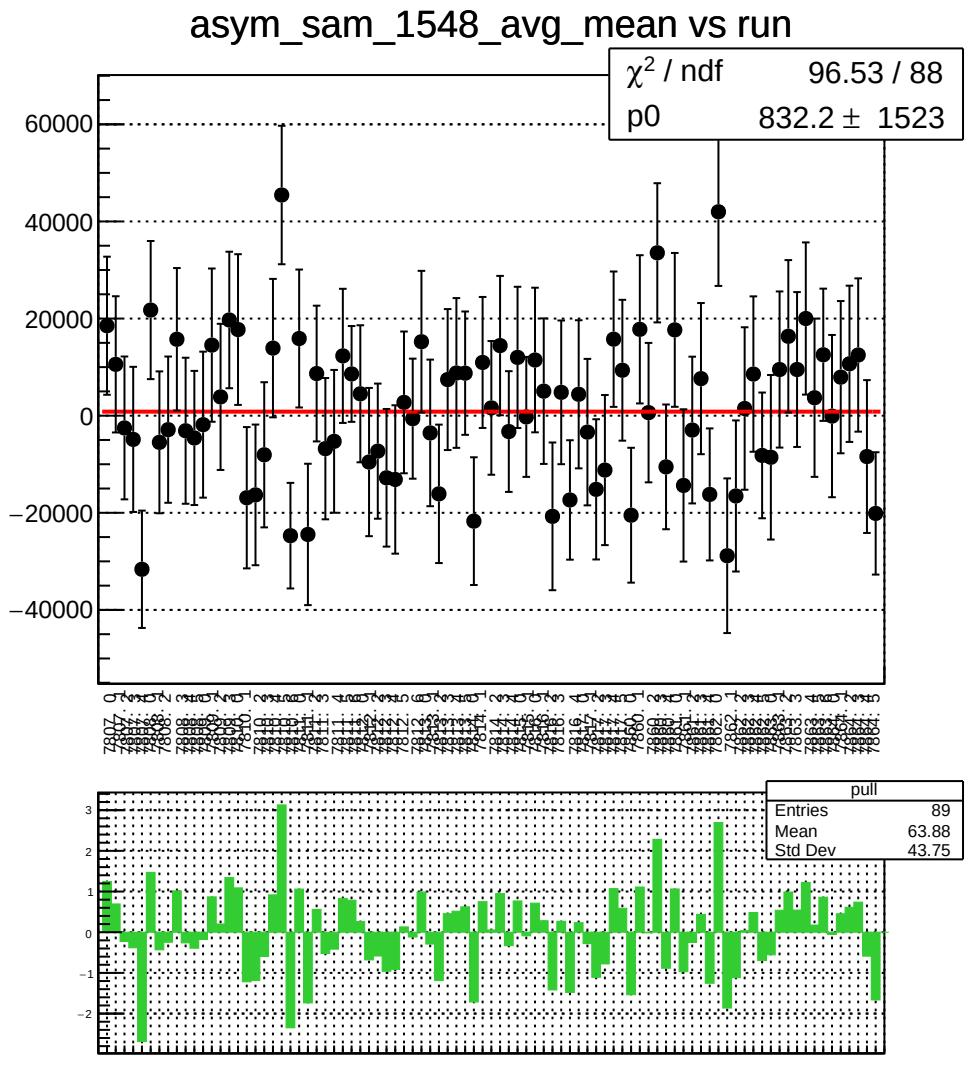

pull1D
Entries 89
Mean −0.002179
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

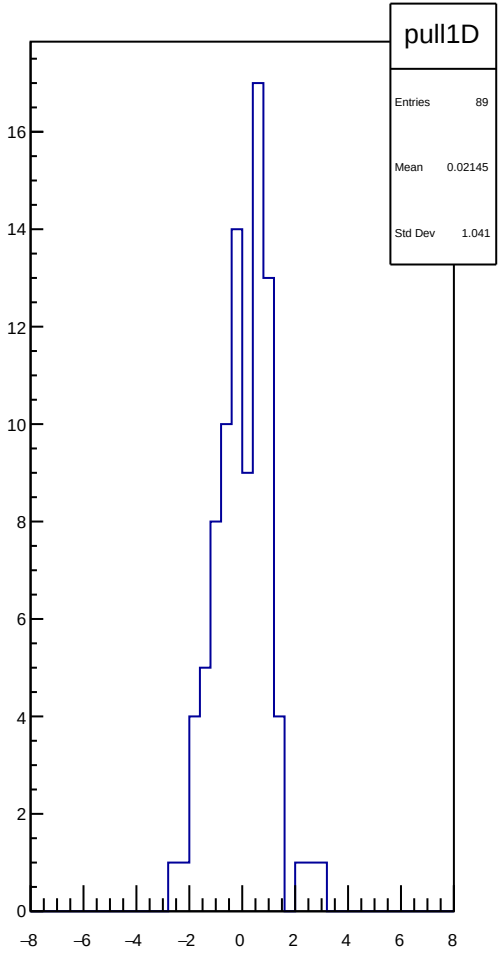

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.139e+04 / 88
p0 152.8 ± 0.1172
240
220
200
180
160
140

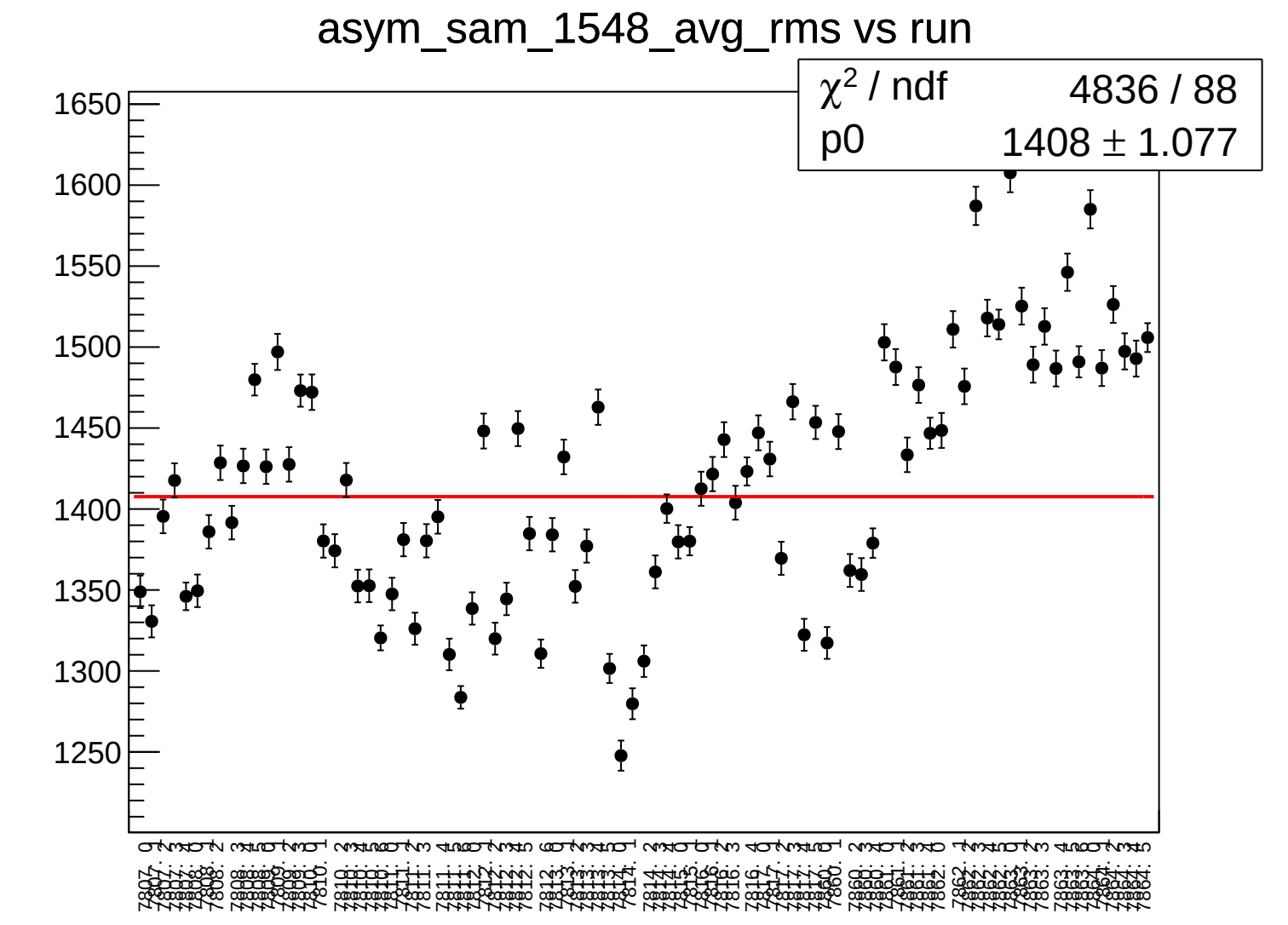

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 99.53 / 88
p0 −865.9 ± 1518
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 73.61
Std Dev 37.52
3
2
1
0
−1
−2
−3

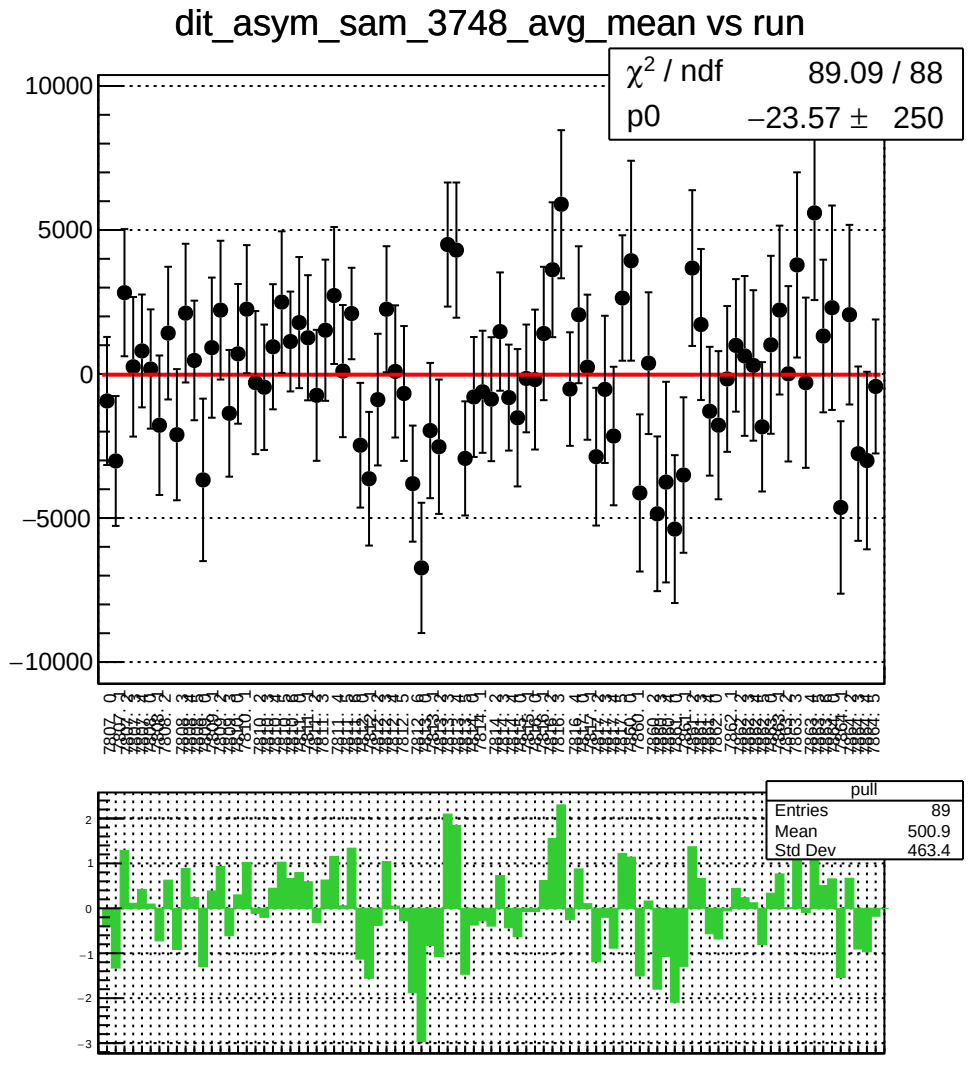

pull1D
Entries 89
Mean −0.02052
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

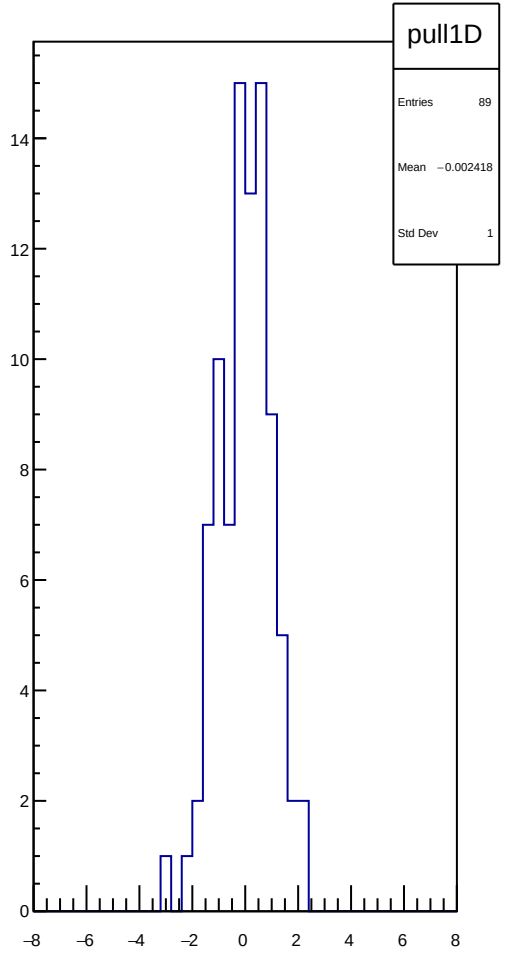

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3878 / 88
p0 1403 ± 1.073
1600
1550
1500
1450
1400
1350
1300
1250
1200

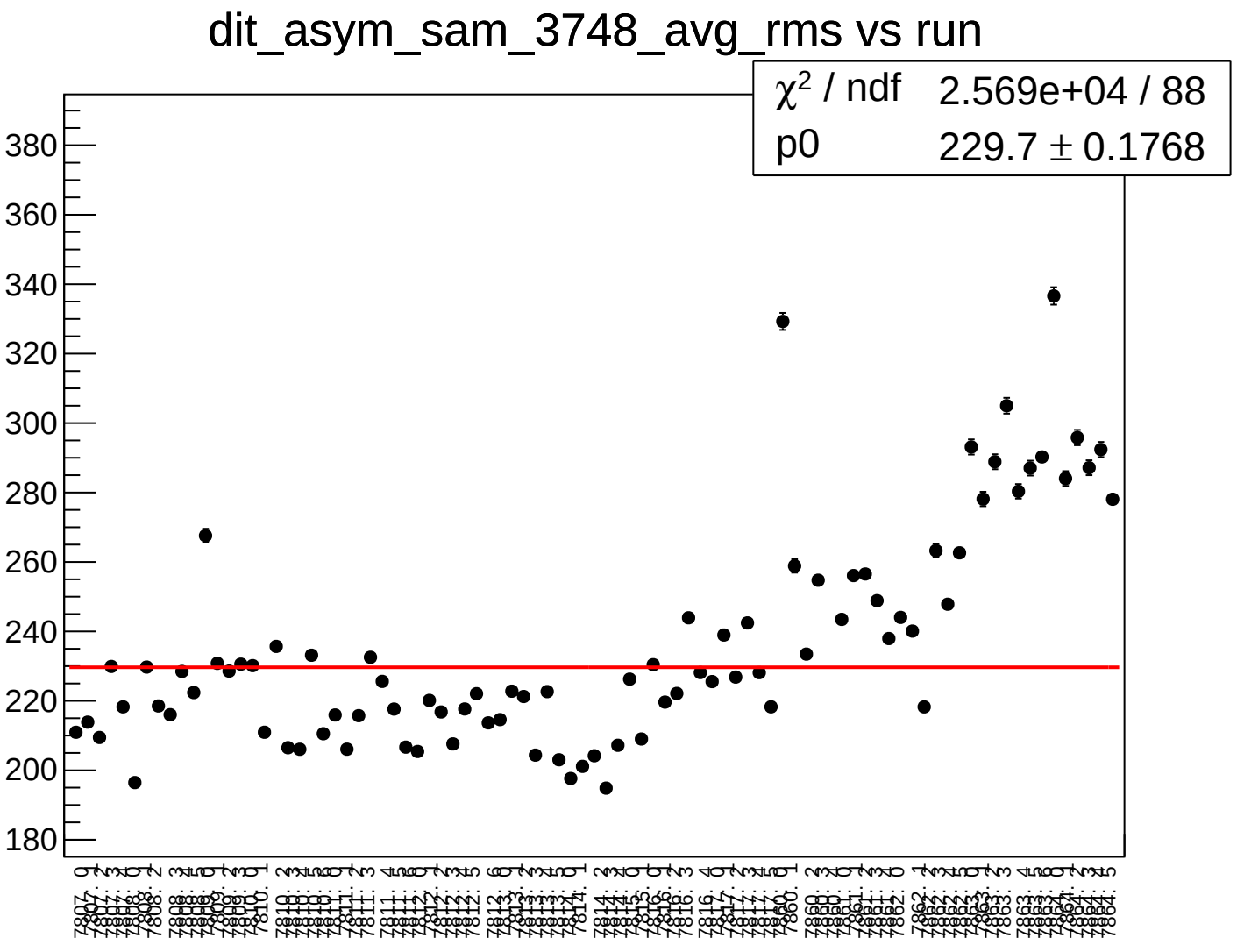

asym_sam_1548_avg_mean vs run
χ² / ndf 96.53 / 88
p0 832.2 ± 1523
60000
40000
20000
0
−20000
−40000
pull
Entries 89
Mean 63.88
Std Dev 43.75
3
2
1
0
−1
−2

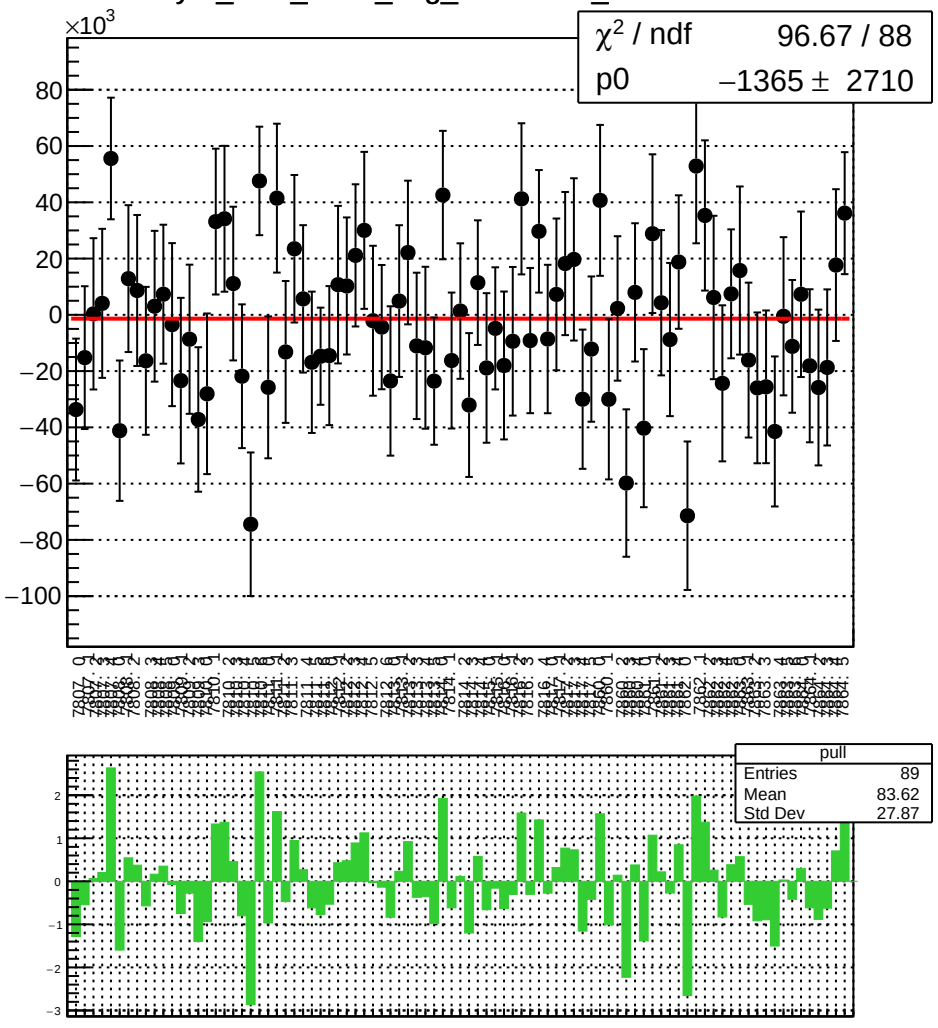

pull1D
Entries 89
Mean 0.02145
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

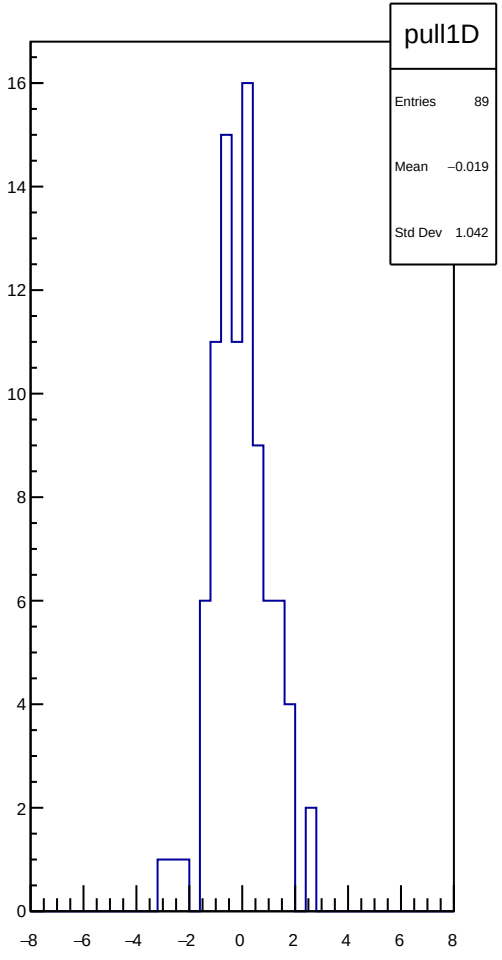

asym_sam_1548_avg_rms vs run
χ² / ndf 4836 / 88
p0 1408 ± 1.077
1650
1600
1550
1500
1450
1400
1350
1300
1250

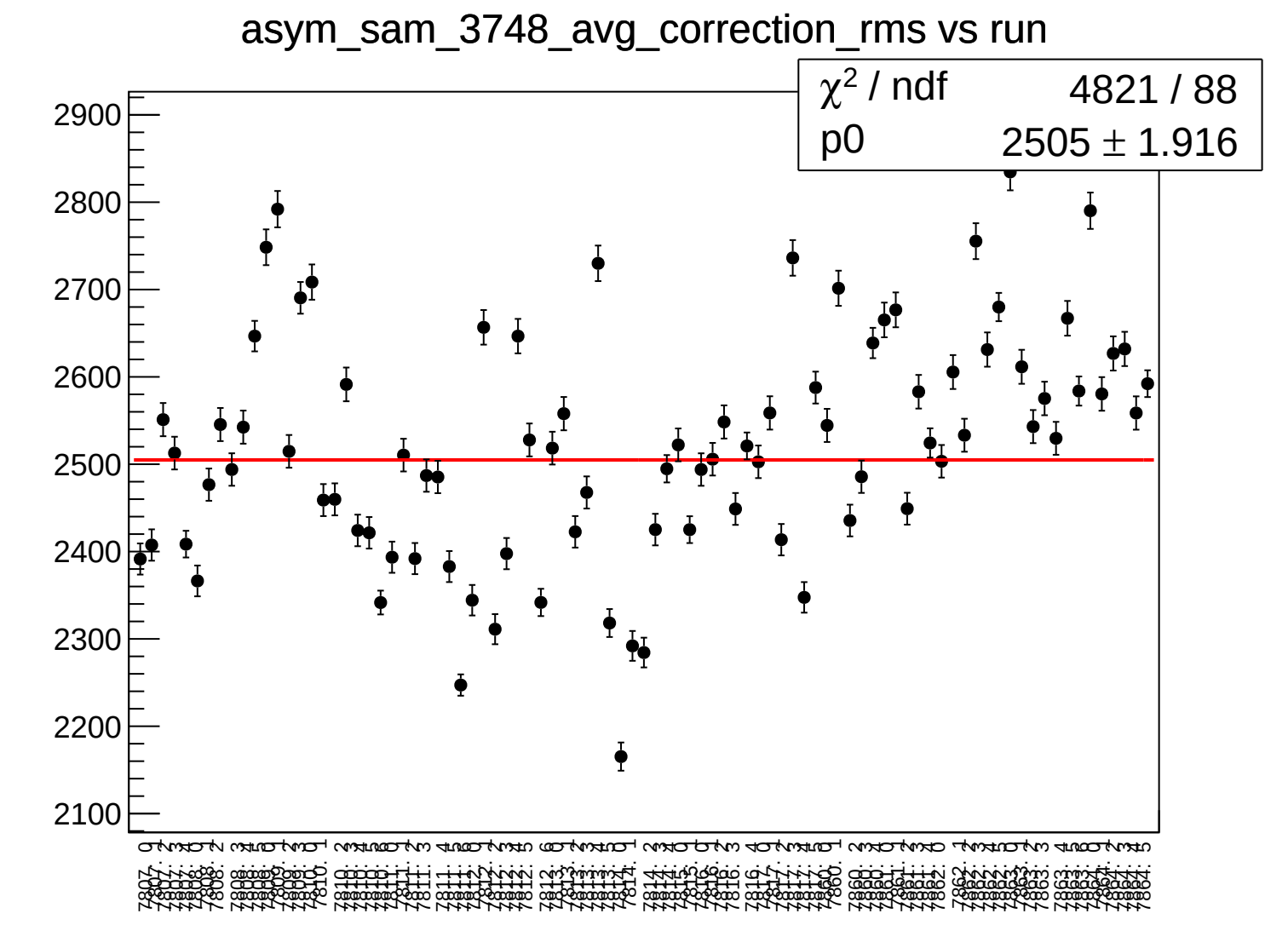

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 89.09 / 88
p0 −23.57 ± 250
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 500.9
Std Dev 463.4
2
1
0
−1
−2
−3

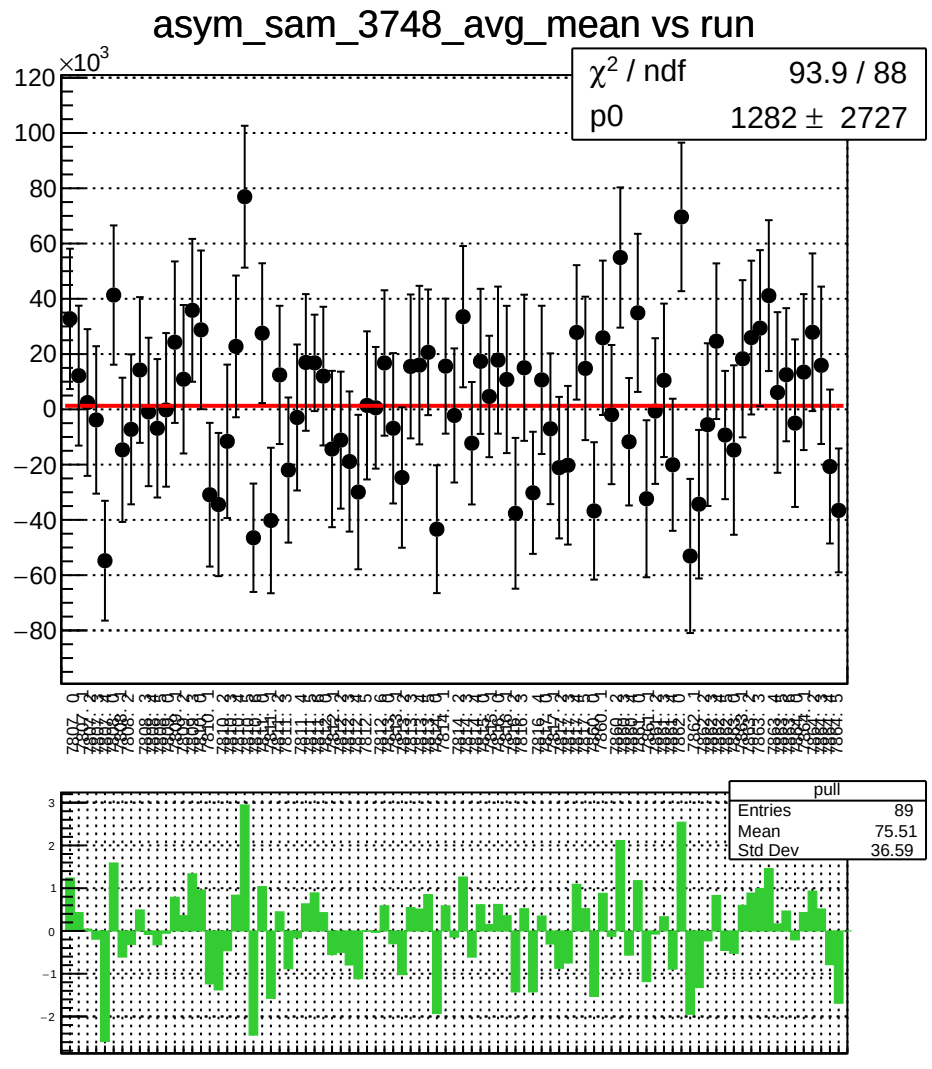

pull1D
Entries 89
Mean −0.002418
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

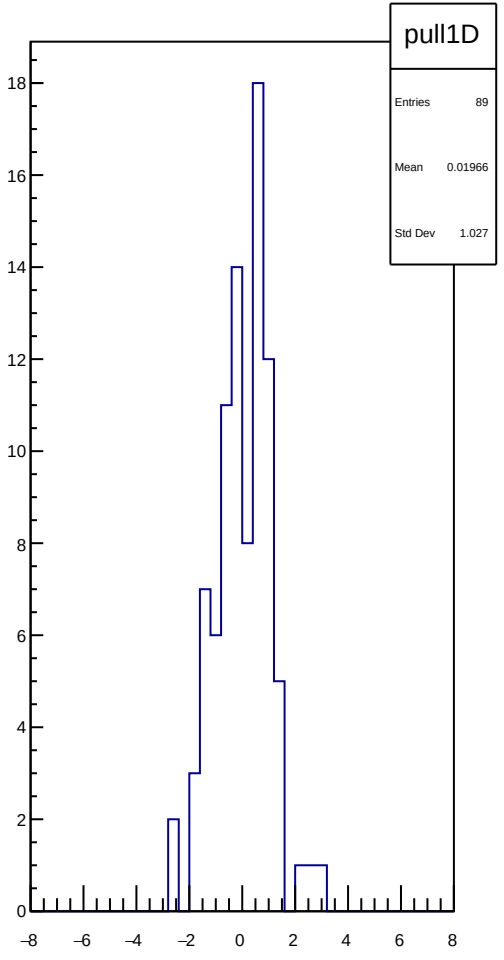

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.569e+04 / 88
p0 229.7 ± 0.1768
380
360
340
320
300
280
260
240
220
200
180

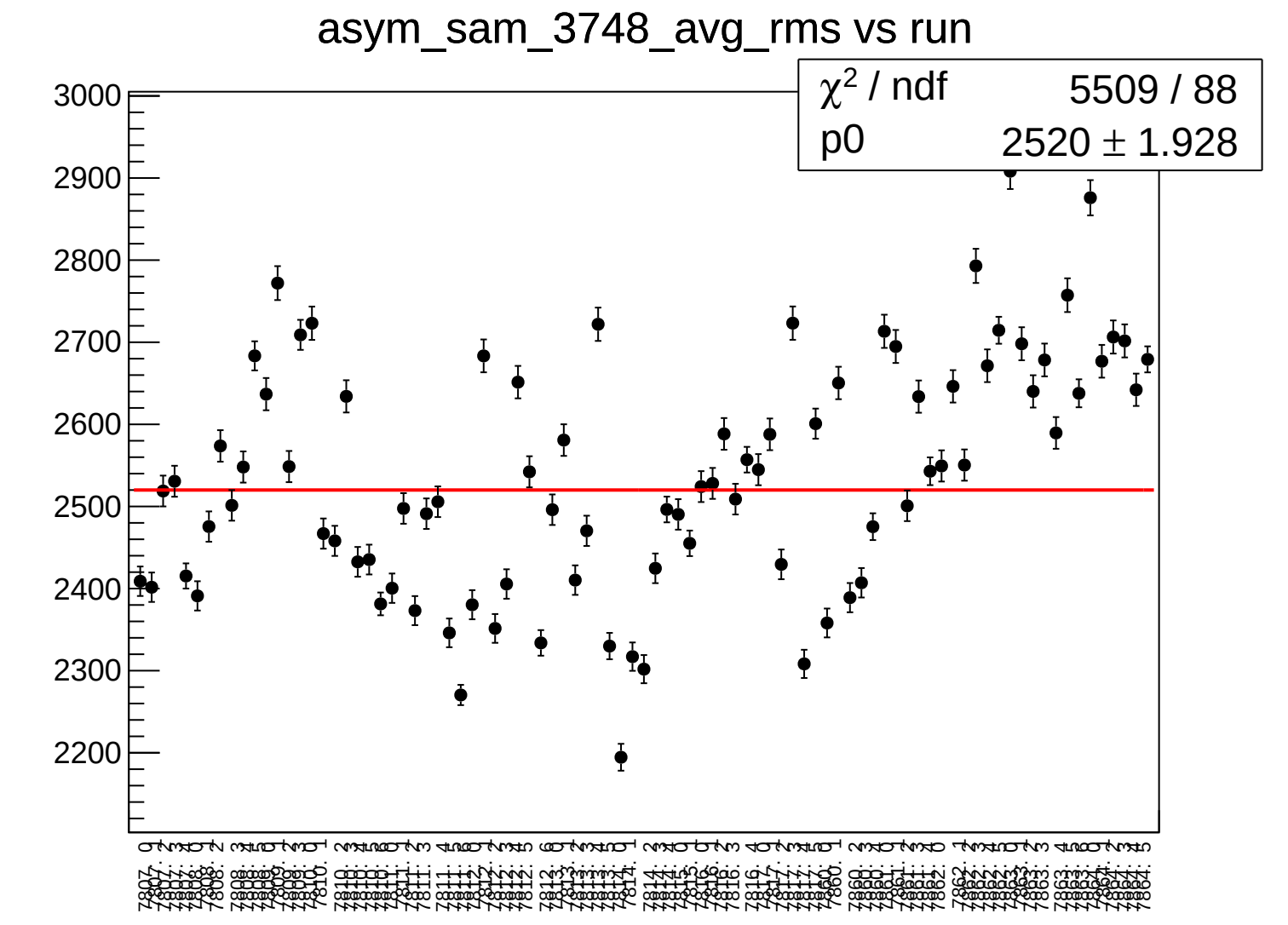

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 96.67 / 88
p0 −1365 ± 2710
pull
Entries 89
Mean 83.62
Std Dev 27.87

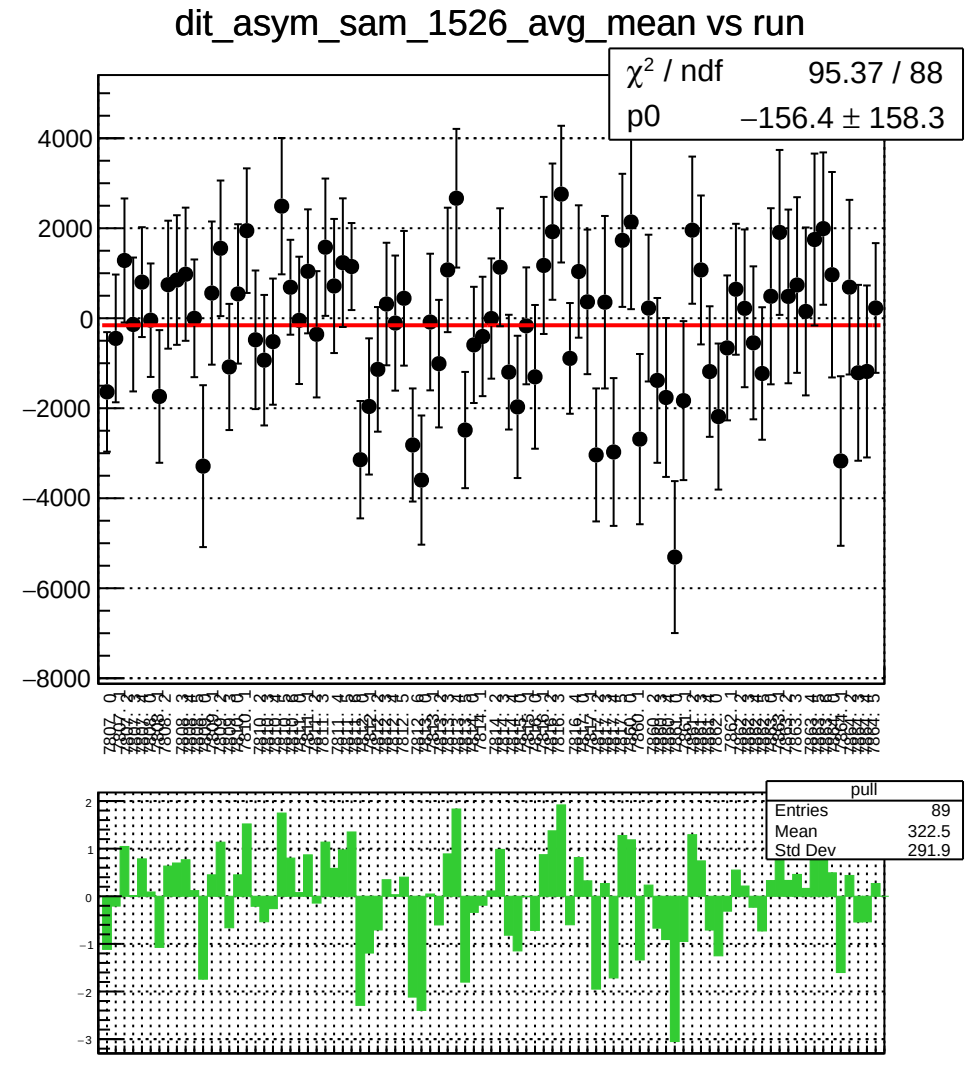

pull1D
Entries 89
Mean −0.019
Std Dev 1.042

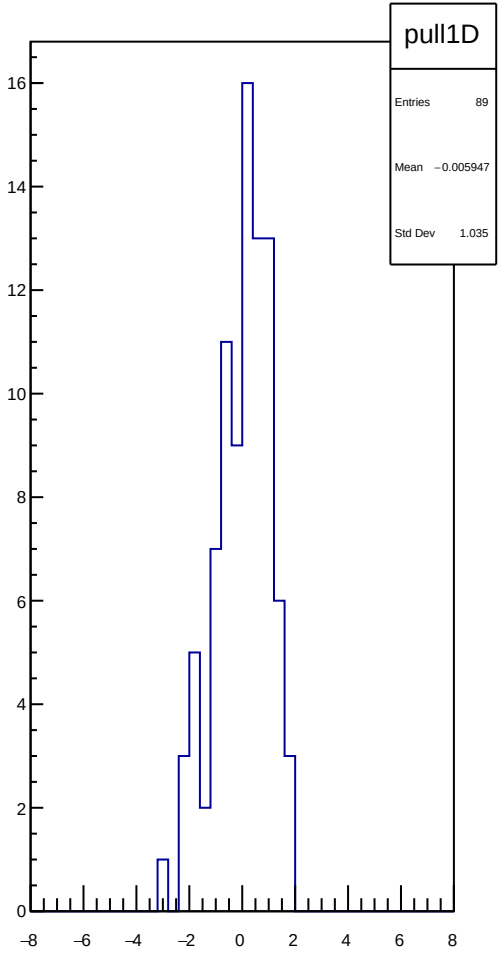

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 4821 / 88
p0 2505 ± 1.916
2900
2800
2700
2600
2500
2400
2300
2200
2100

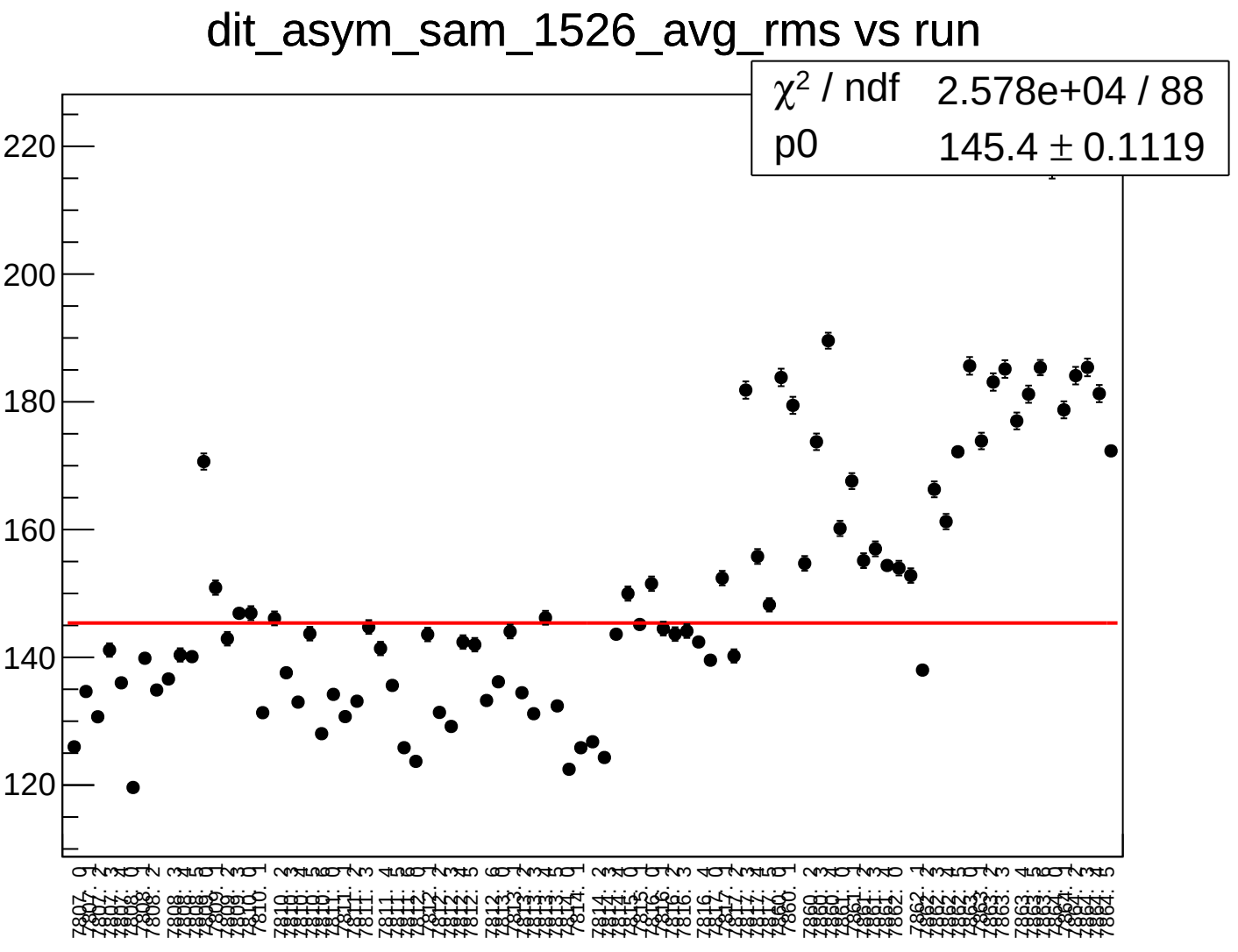

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 93.9 / 88
p0 1282 ± 2727
pull
Entries 89
Mean 75.51
Std Dev 36.59

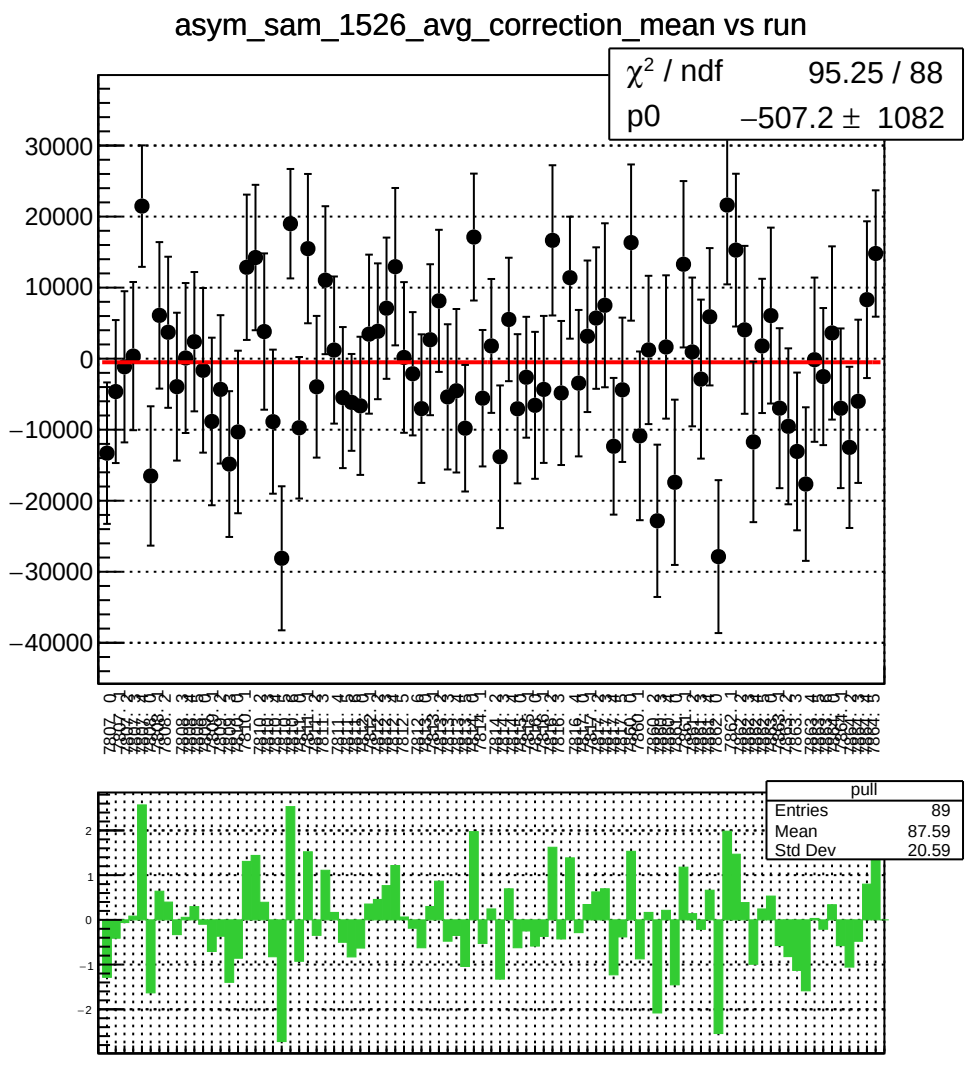

pull1D
Entries 89
Mean 0.01966
Std Dev 1.027

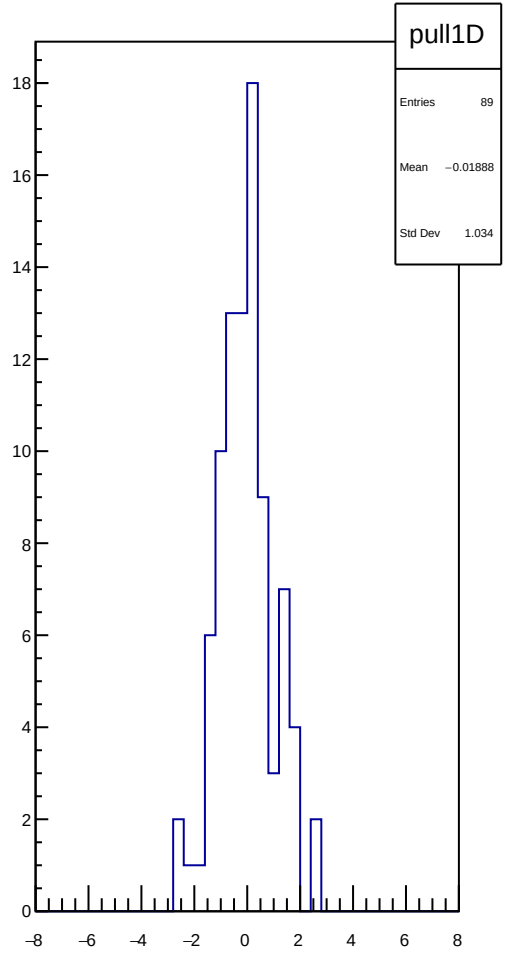

asym_sam_3748_avg_rms vs run
χ² / ndf 5509 / 88
p0 2520 ± 1.928
3000
2900
2800
2700
2600
2500
2400
2300
2200

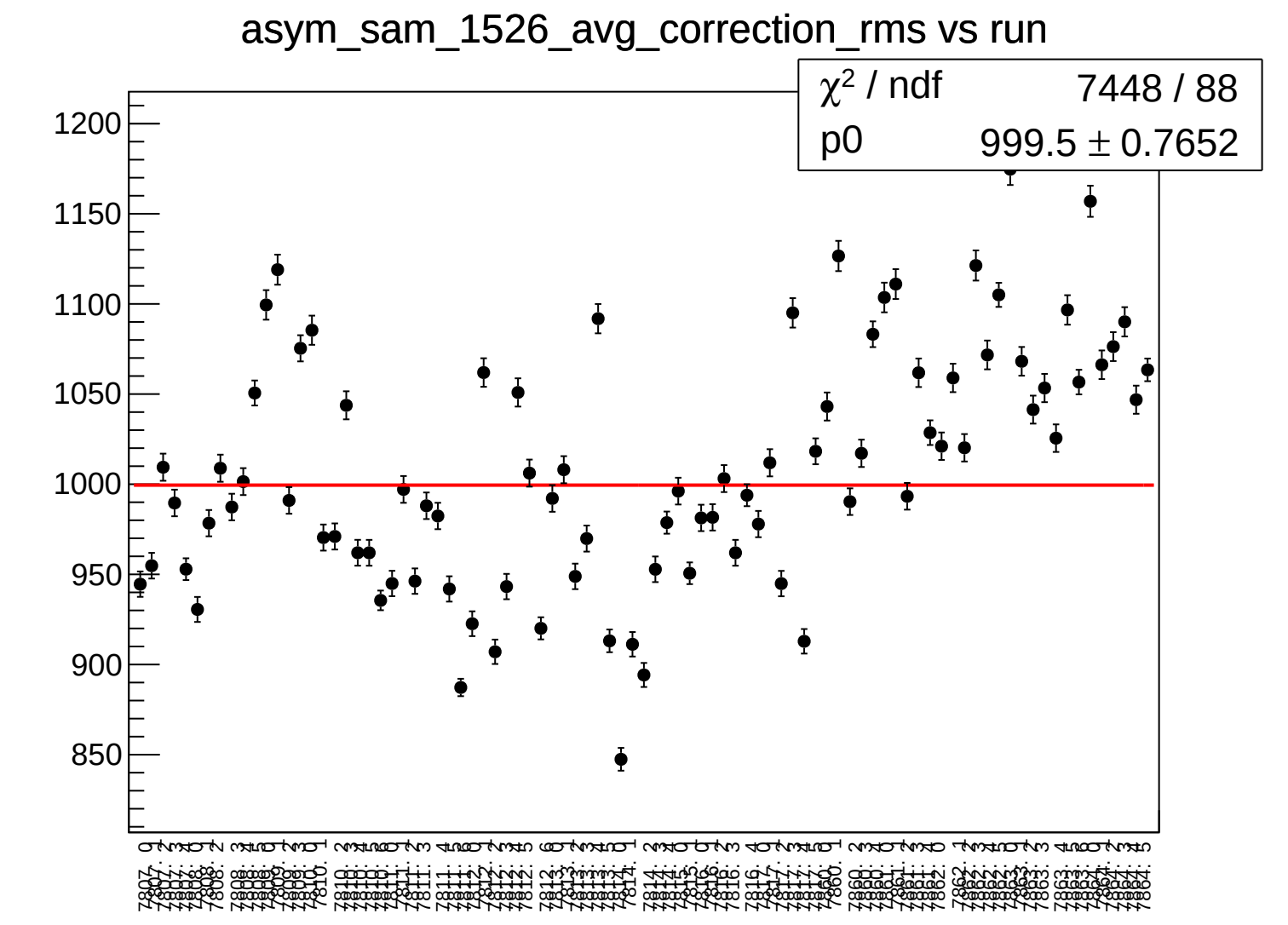

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 95.37 / 88
p0 −156.4 ± 158.3
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 89
Mean 322.5
Std Dev 291.9
2
1
0
−1
−2
−3

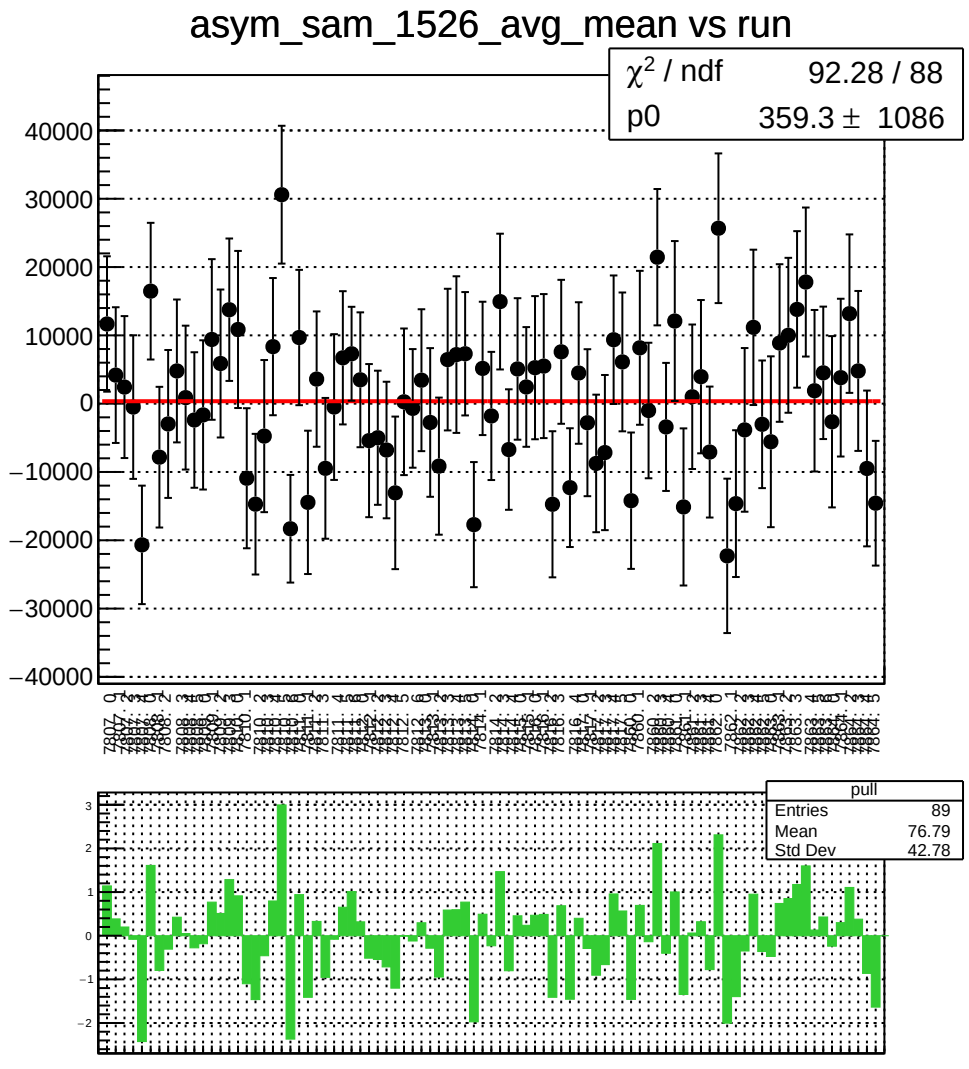

pull1D
Entries 89
Mean −0.005947
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

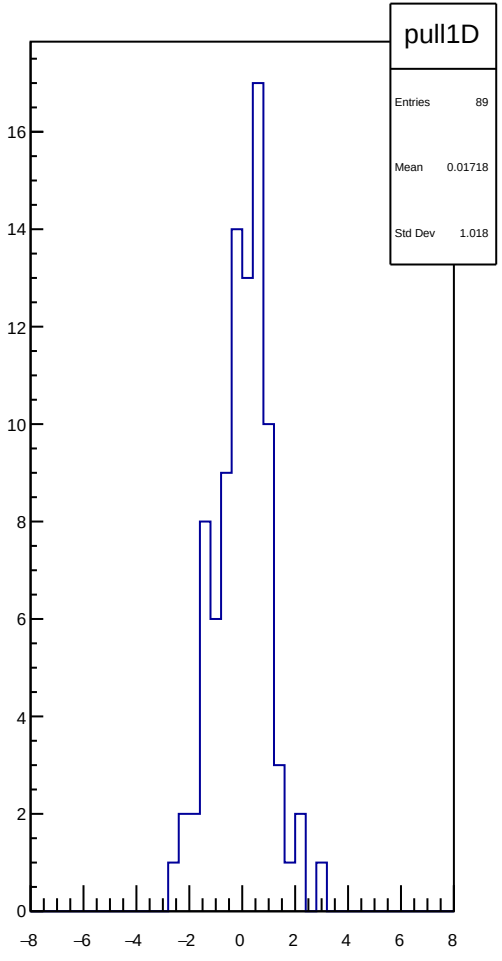

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.578e+04 / 88
p0 145.4 ± 0.1119
220
200
180
160
140
120

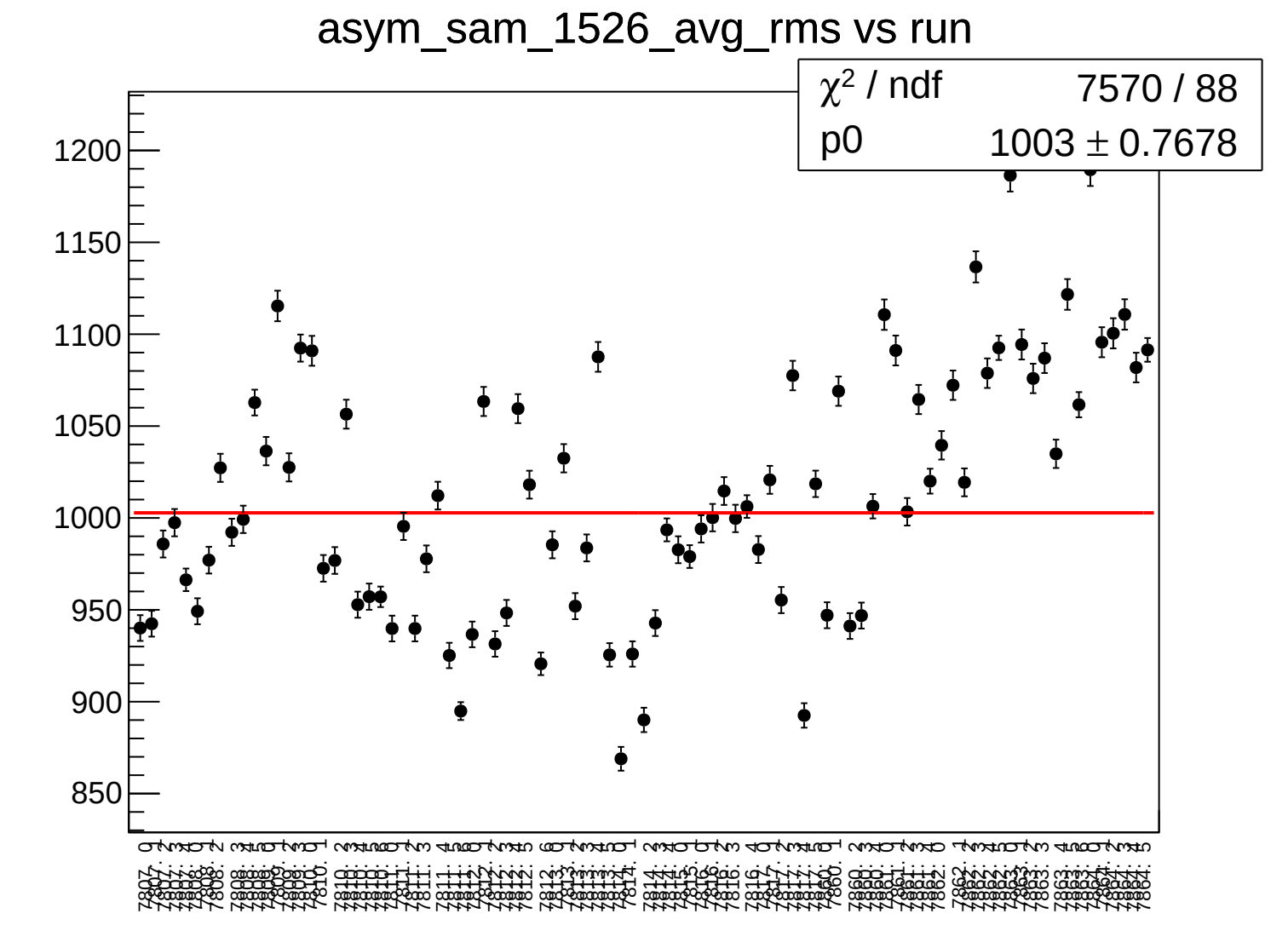

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 95.25 / 88
p0 −507.2 ± 1082
pull
Entries 89
Mean 87.59
Std Dev 20.59

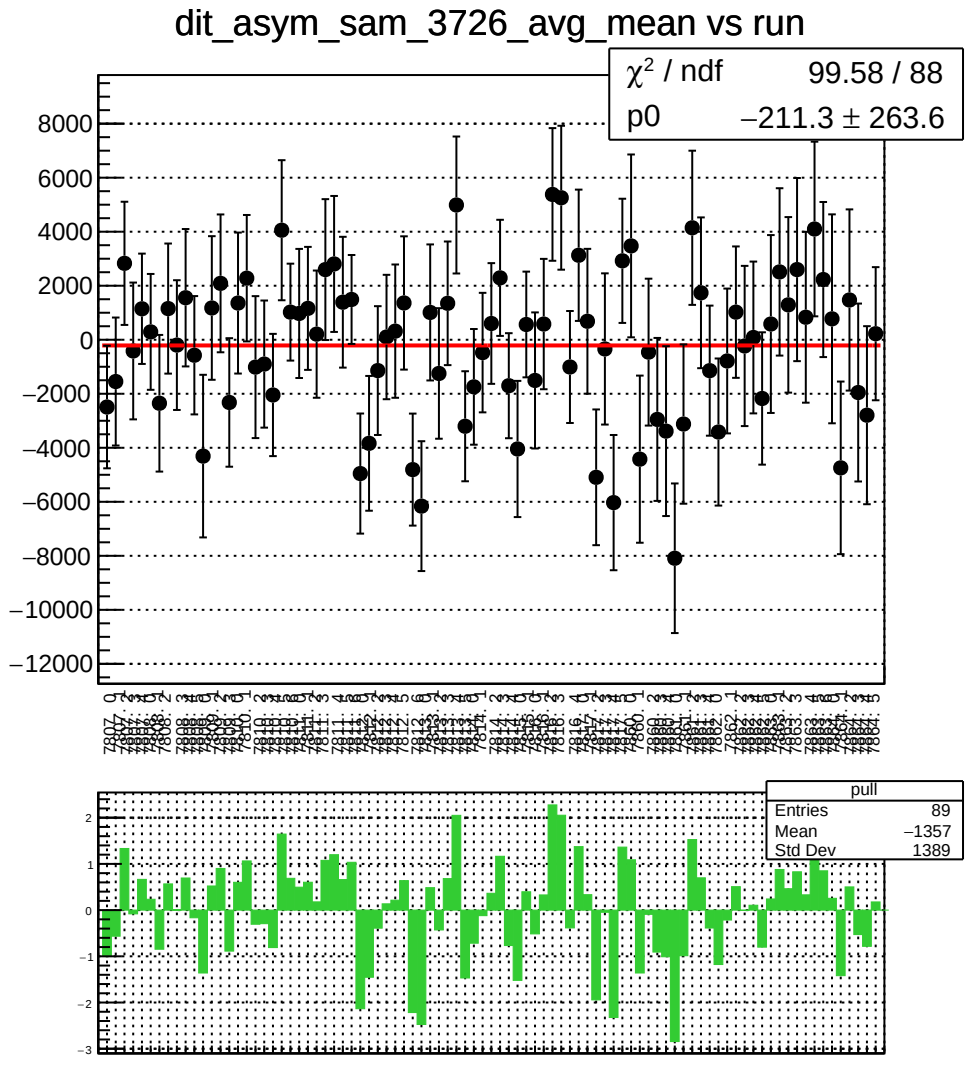

pull1D
Entries 89
Mean −0.01888
Std Dev 1.034

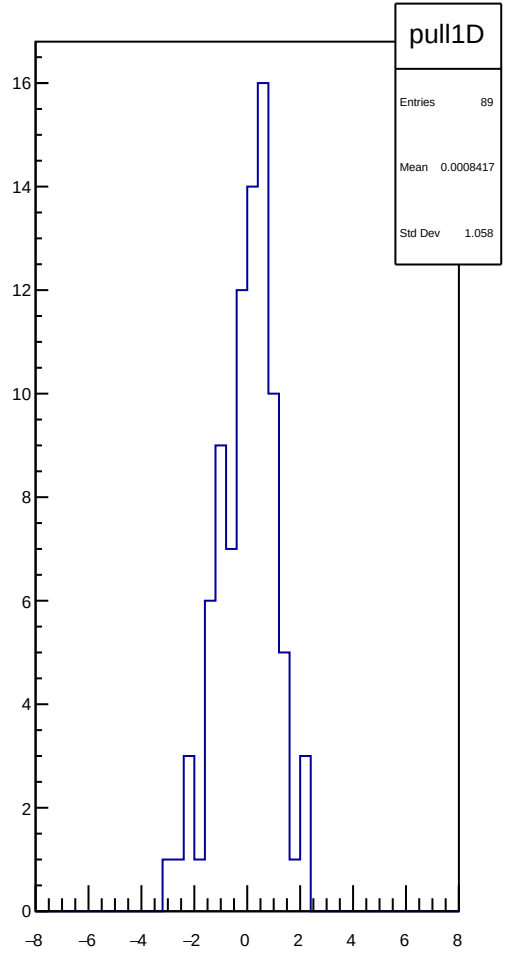

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 7448 / 88
p0 999.5 ± 0.7652
1200
1150
1100
1050
1000
950
900
850

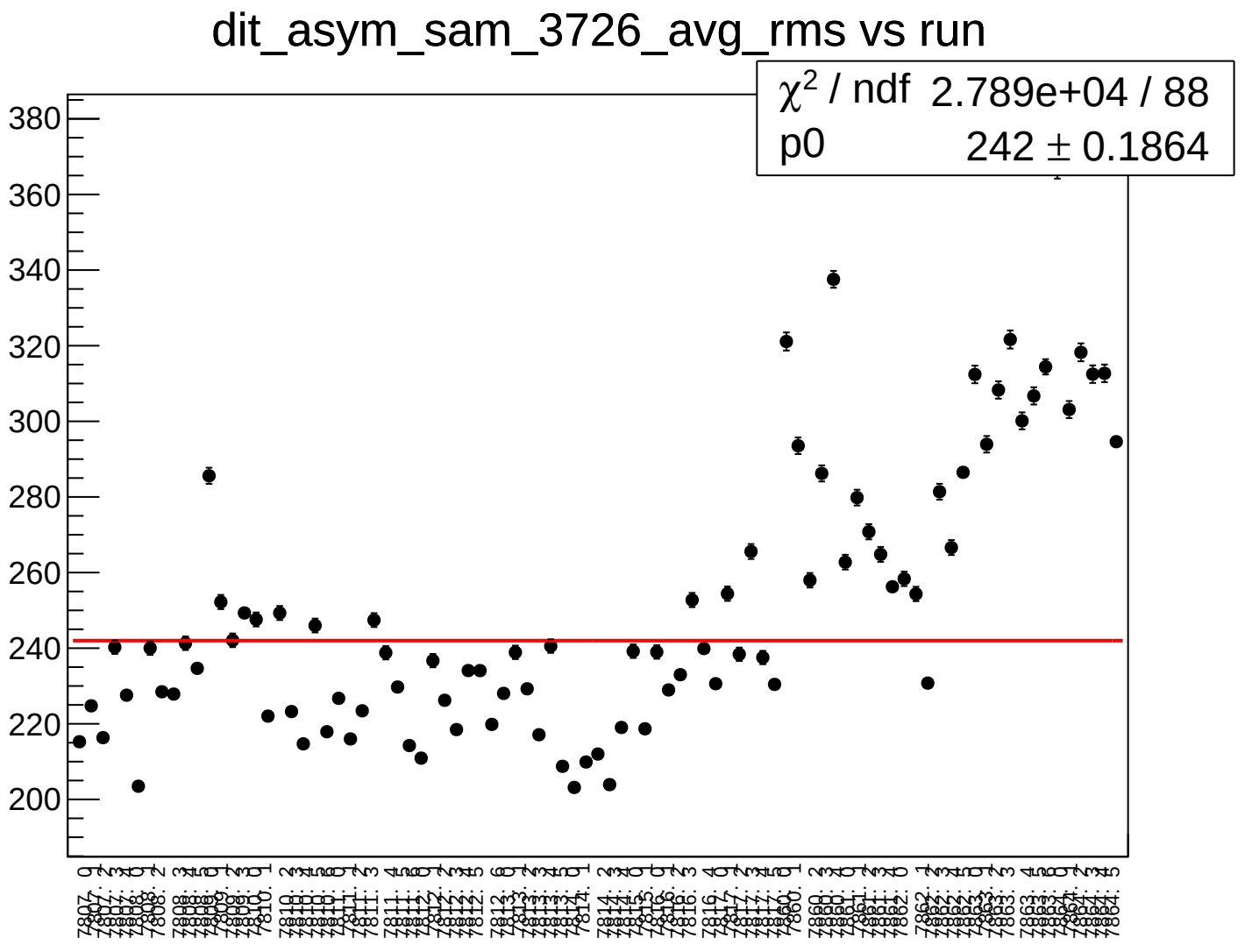

asym_sam_1526_avg_mean vs run
χ² / ndf 92.28 / 88
p0 359.3 ± 1086
pull
Entries 89
Mean 76.79
Std Dev 42.78

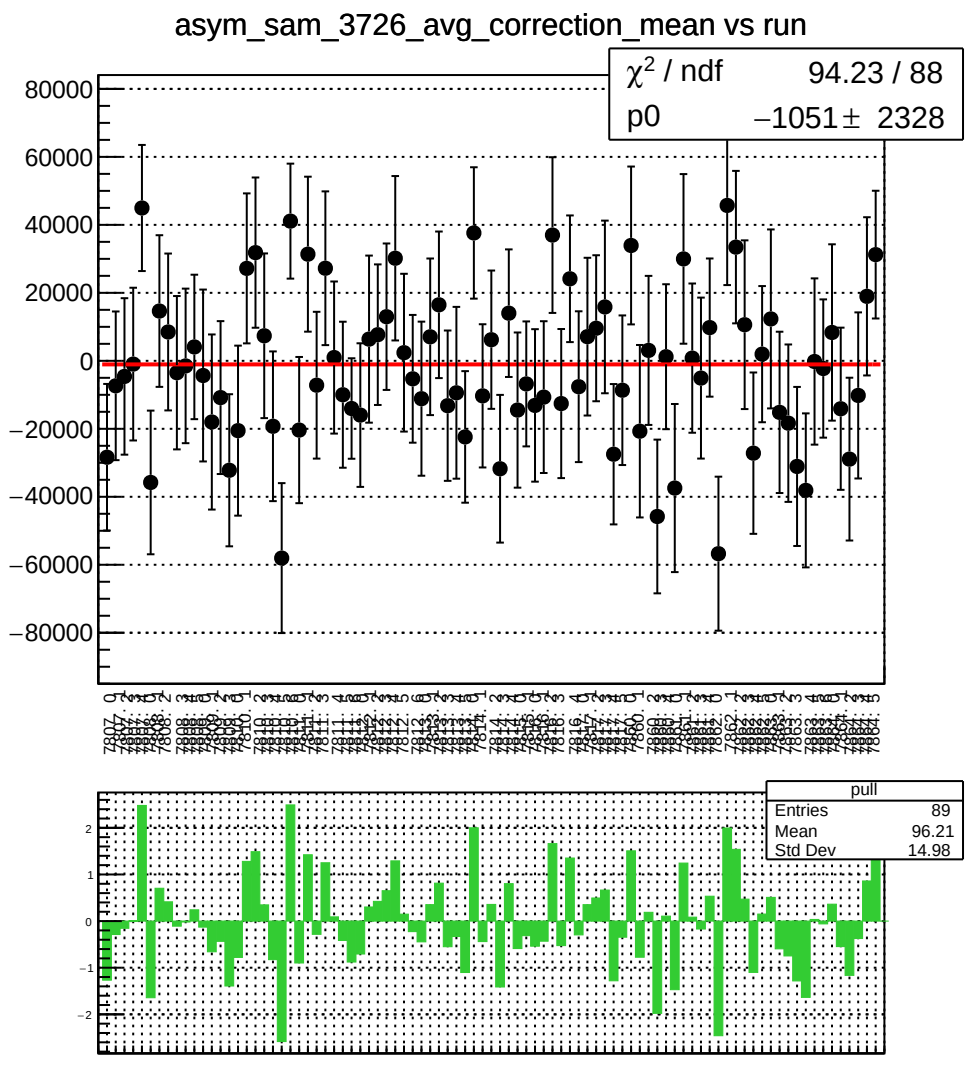

pull1D
Entries 89
Mean 0.01718
Std Dev 1.018

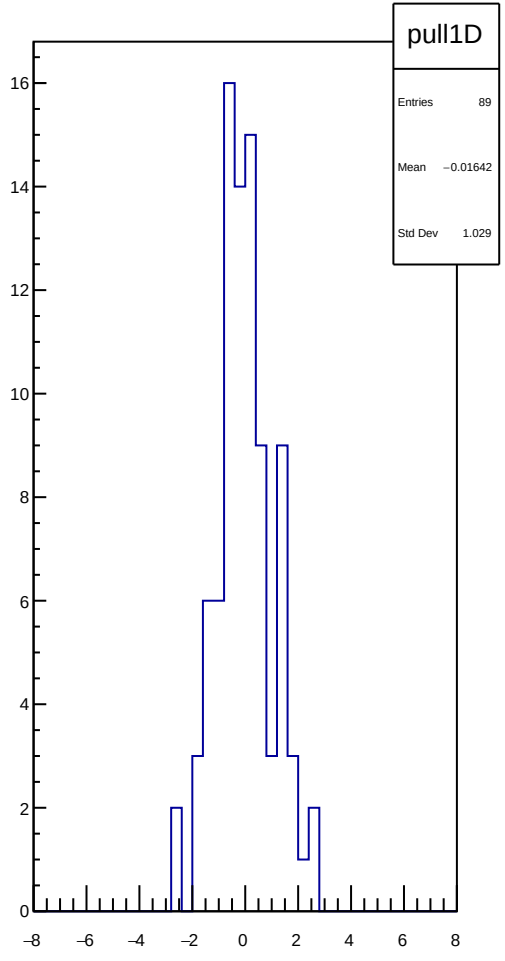

asym_sam_1526_avg_rms vs run
χ² / ndf 7570 / 88
p0 1003 ± 0.7678
1200
1150
1100
1050
1000
950
900
850

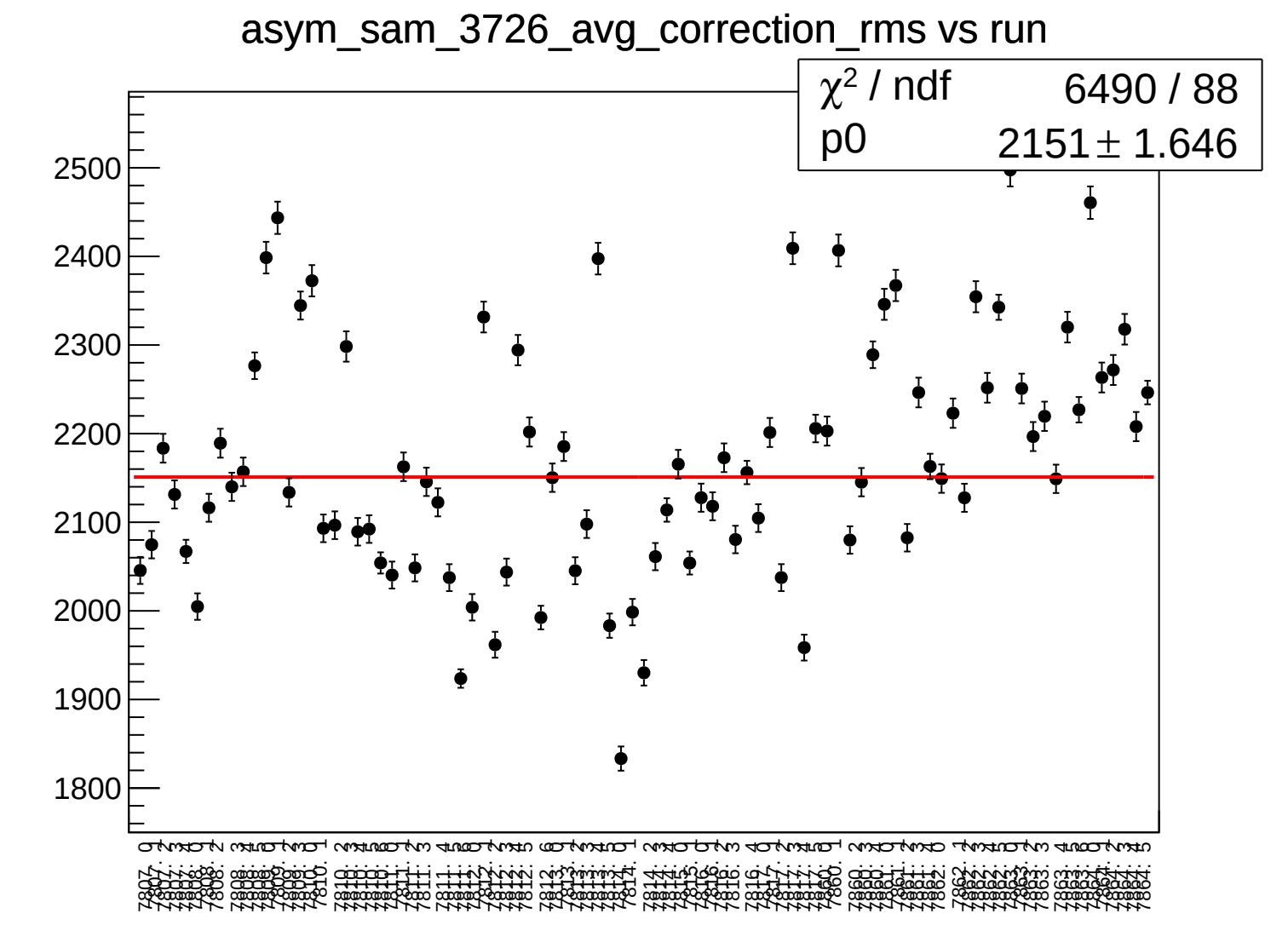

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 99.58 / 88
p0 −211.3 ± 263.6
pull
Entries 89
Mean −1357
Std Dev 1389

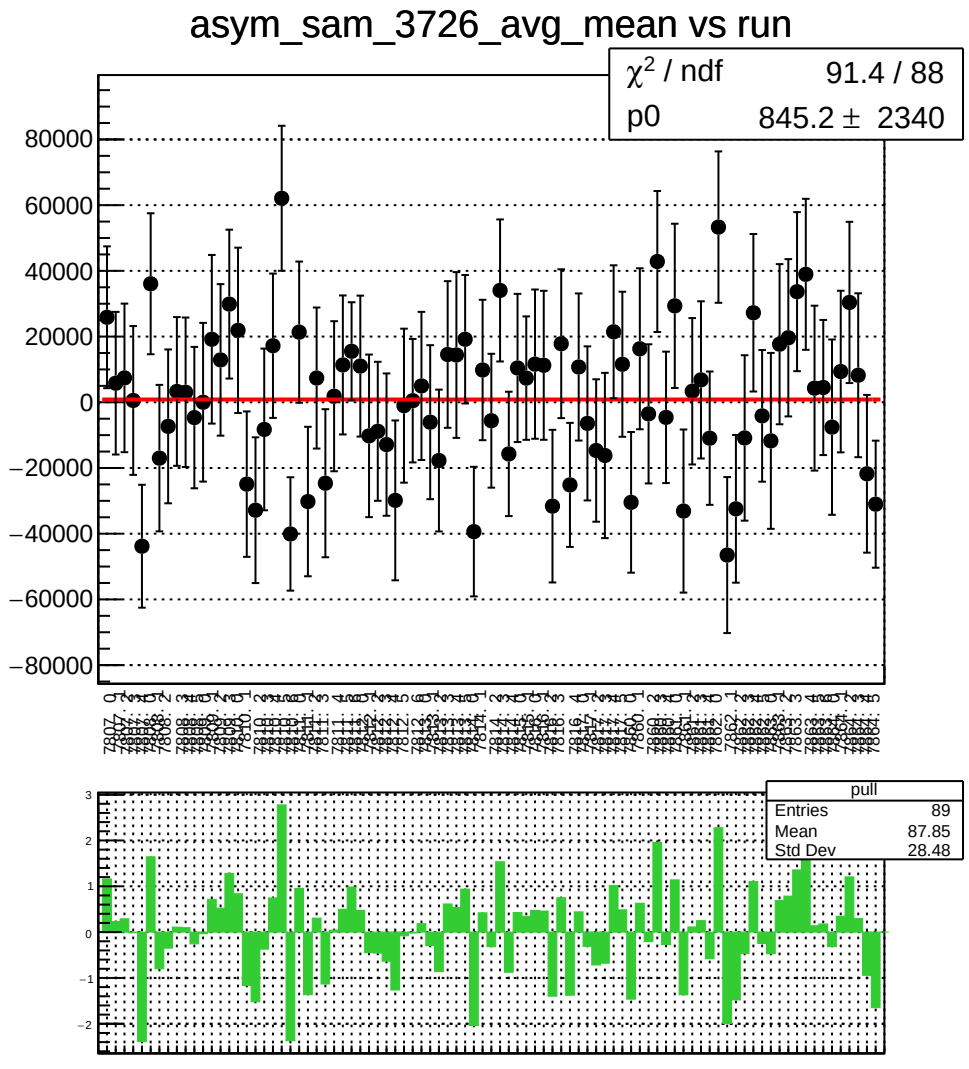

pull1D
Entries 89
Mean 0.0008417
Std Dev 1.058

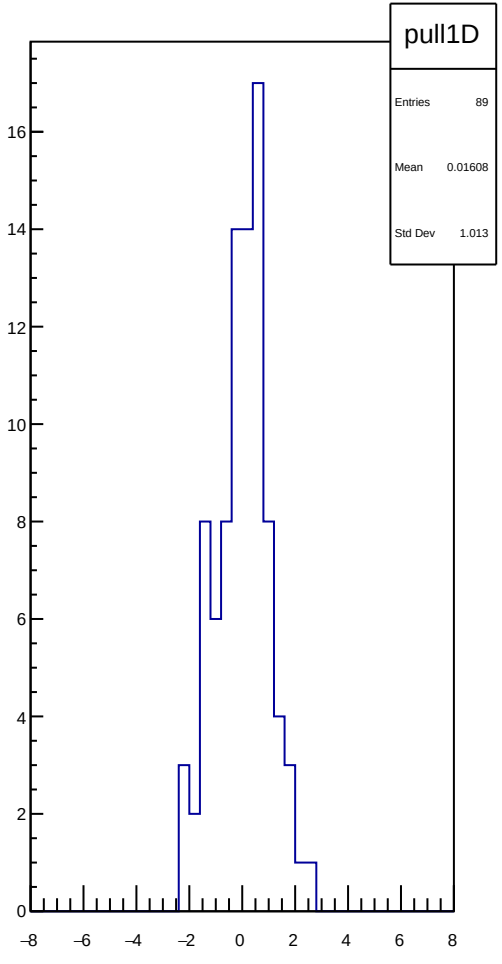

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.789e+04 / 88
p0 242 ± 0.1864
380
360
340
320
300
280
260
240
220
200

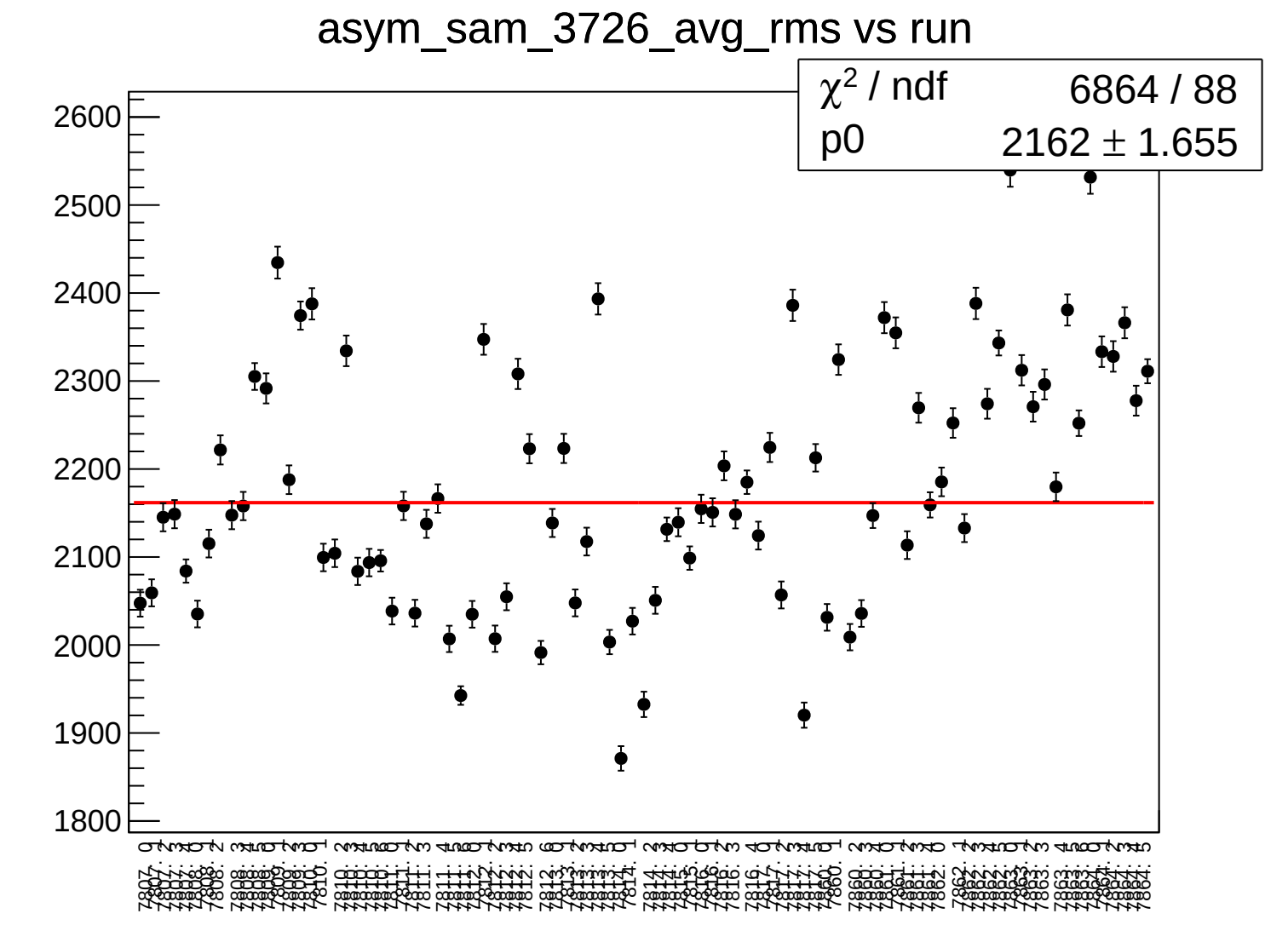

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 94.23 / 88
p0 −1051 ± 2328
pull
Entries 89
Mean 96.21
Std Dev 14.98

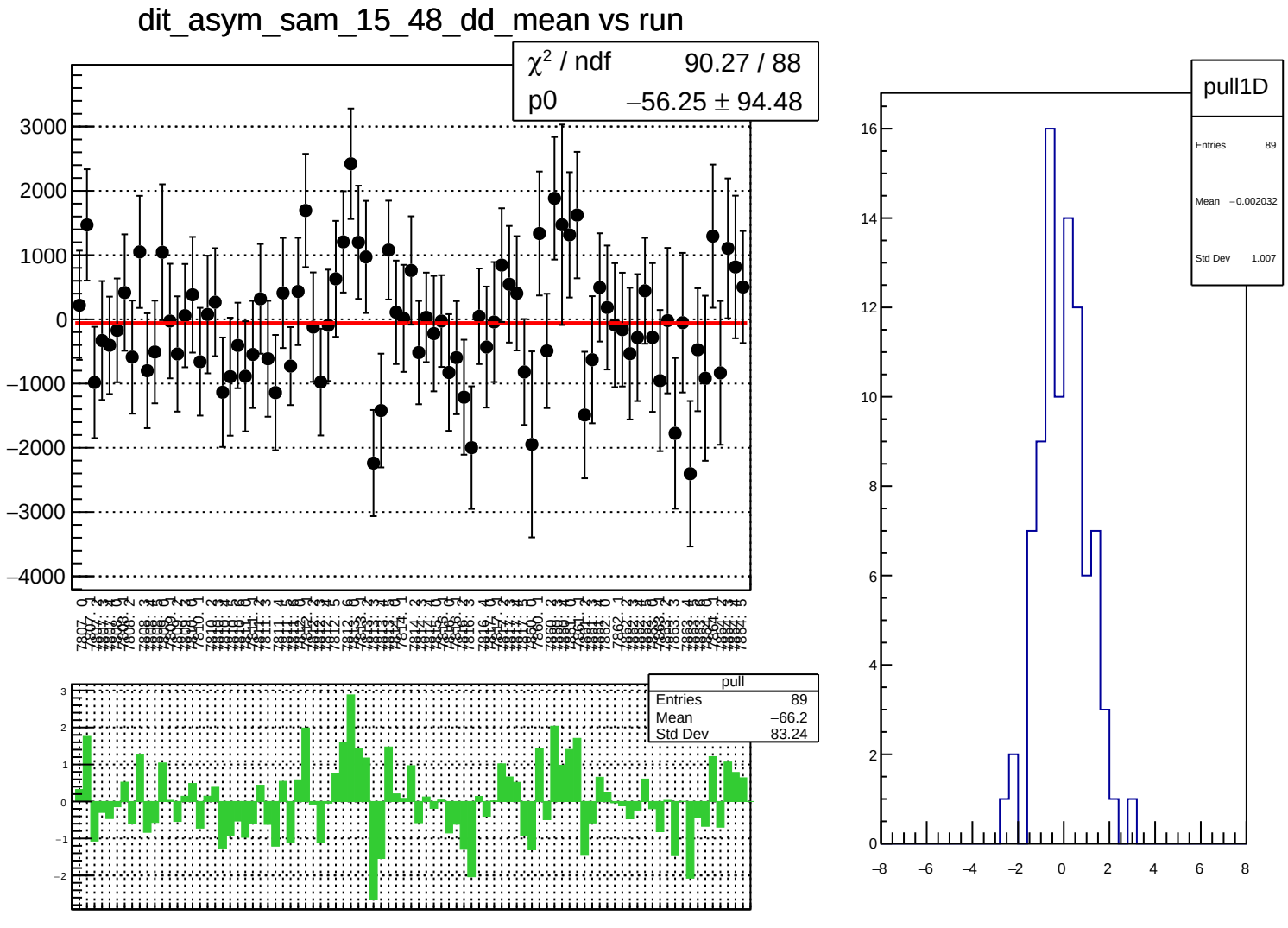

pull1D
Entries 89
Mean −0.01642
Std Dev 1.029

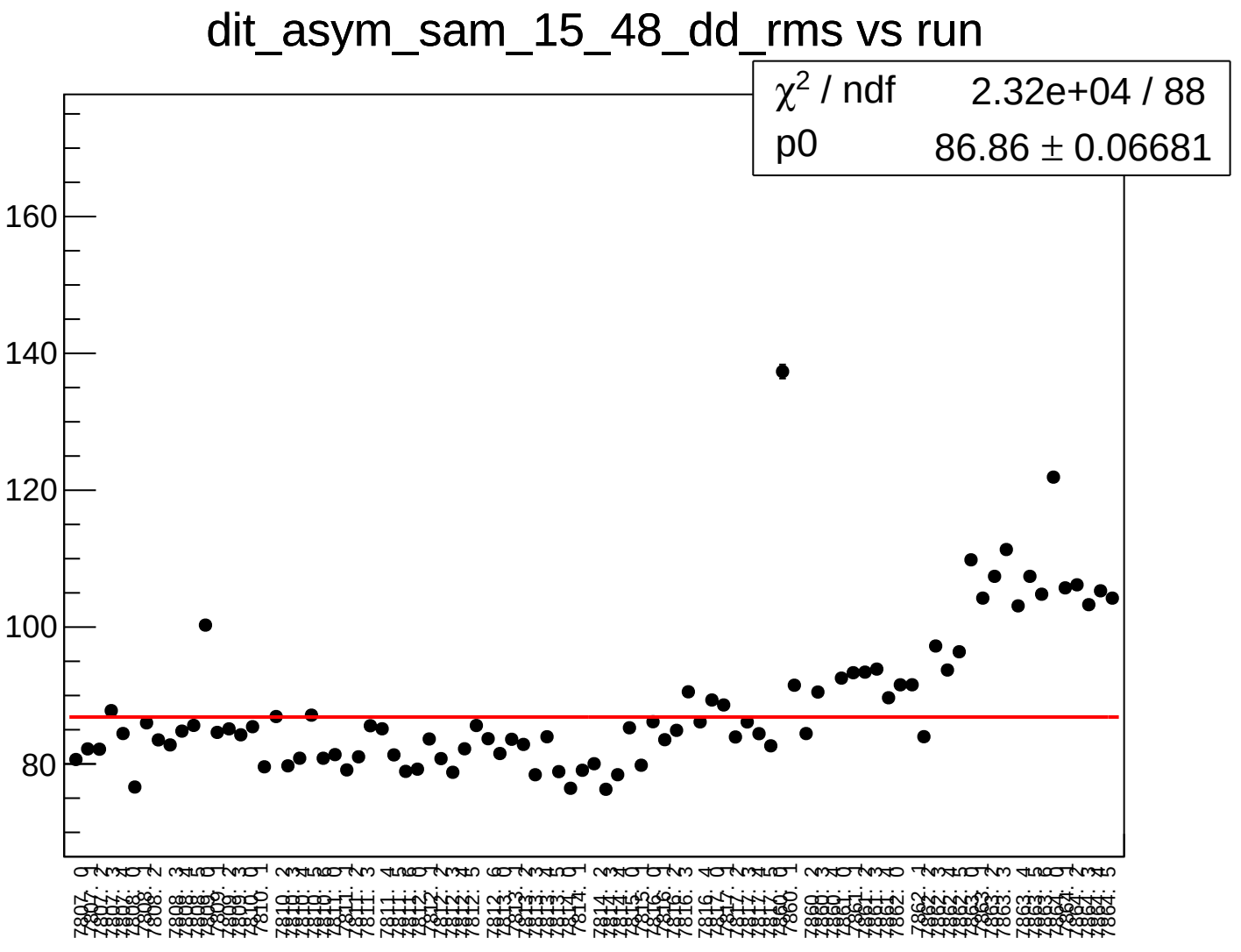

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 6490 / 88
p0 2151 ± 1.646
2500
2400
2300
2200
2100
2000
1900
1800

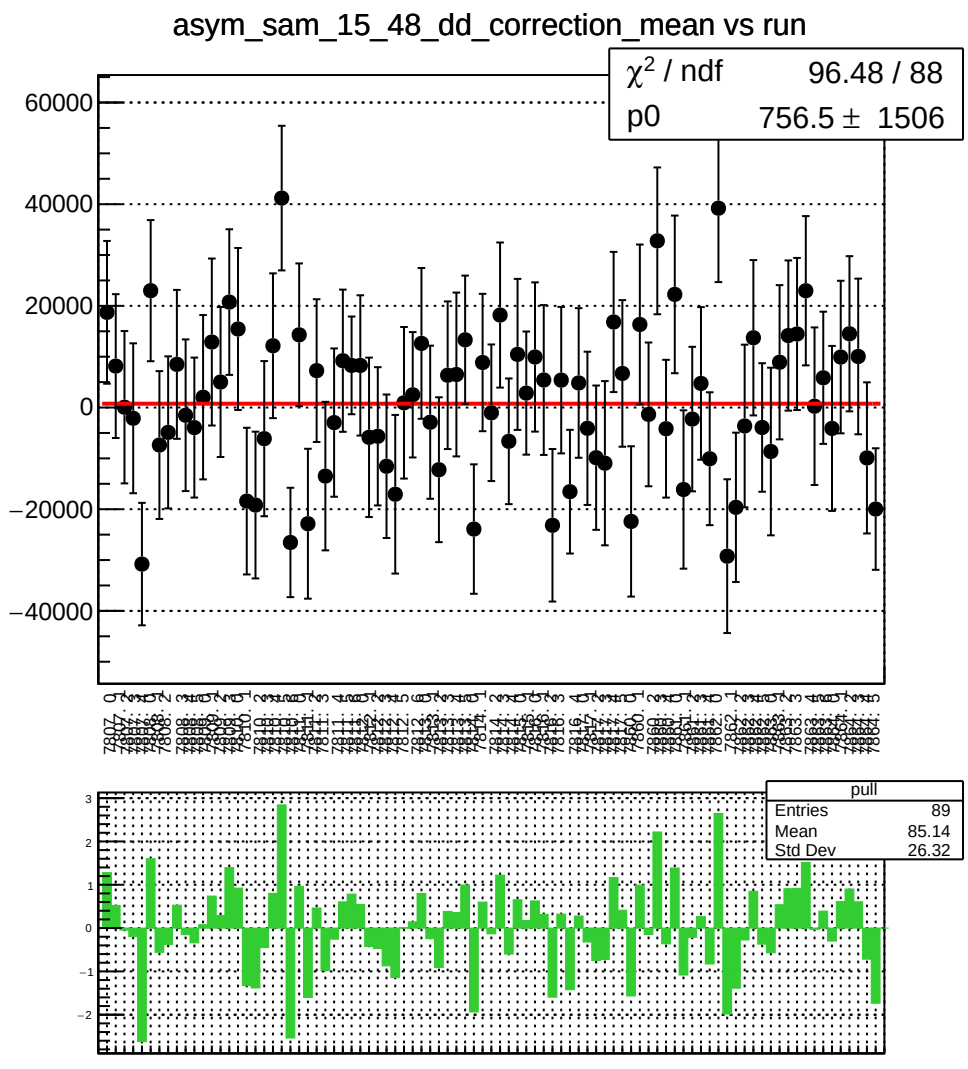

asym_sam_3726_avg_mean vs run
χ² / ndf 91.4 / 88
p0 845.2 ± 2340
pull
Entries 89
Mean 87.85
Std Dev 28.48

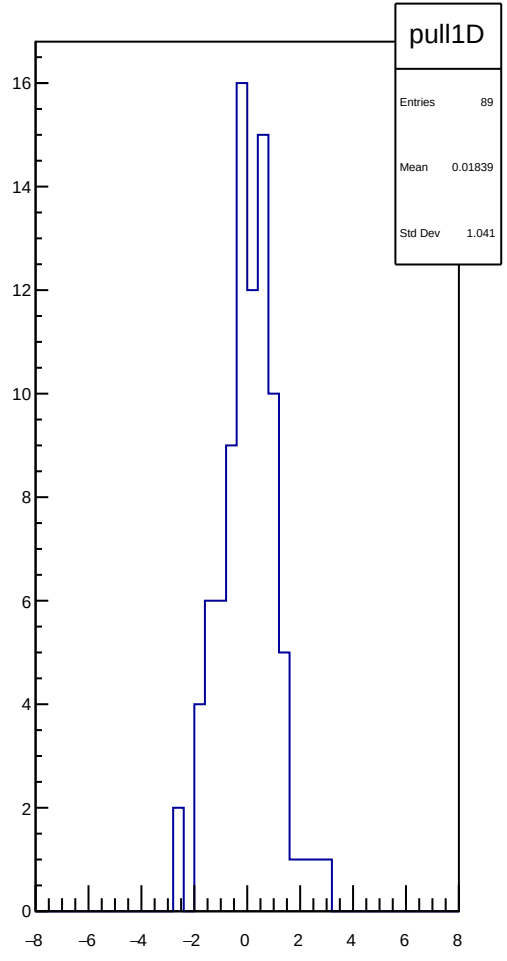

pull1D
Entries 89
Mean 0.01608
Std Dev 1.013

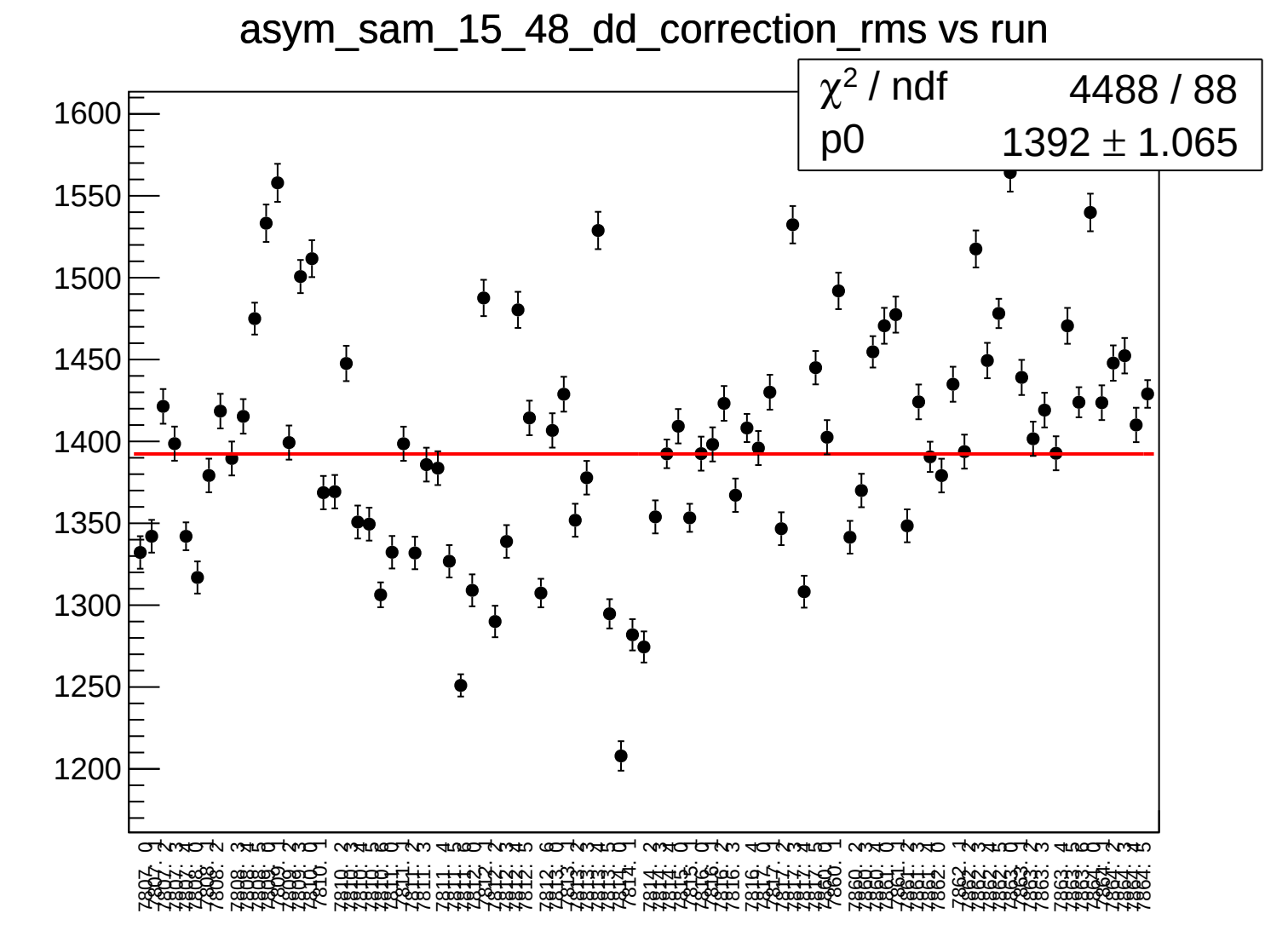

asym_sam_3726_avg_rms vs run
χ² / ndf 6864 / 88
p0 2162 ± 1.655
2600
2500
2400
2300
2200
2100
2000
1900
1800

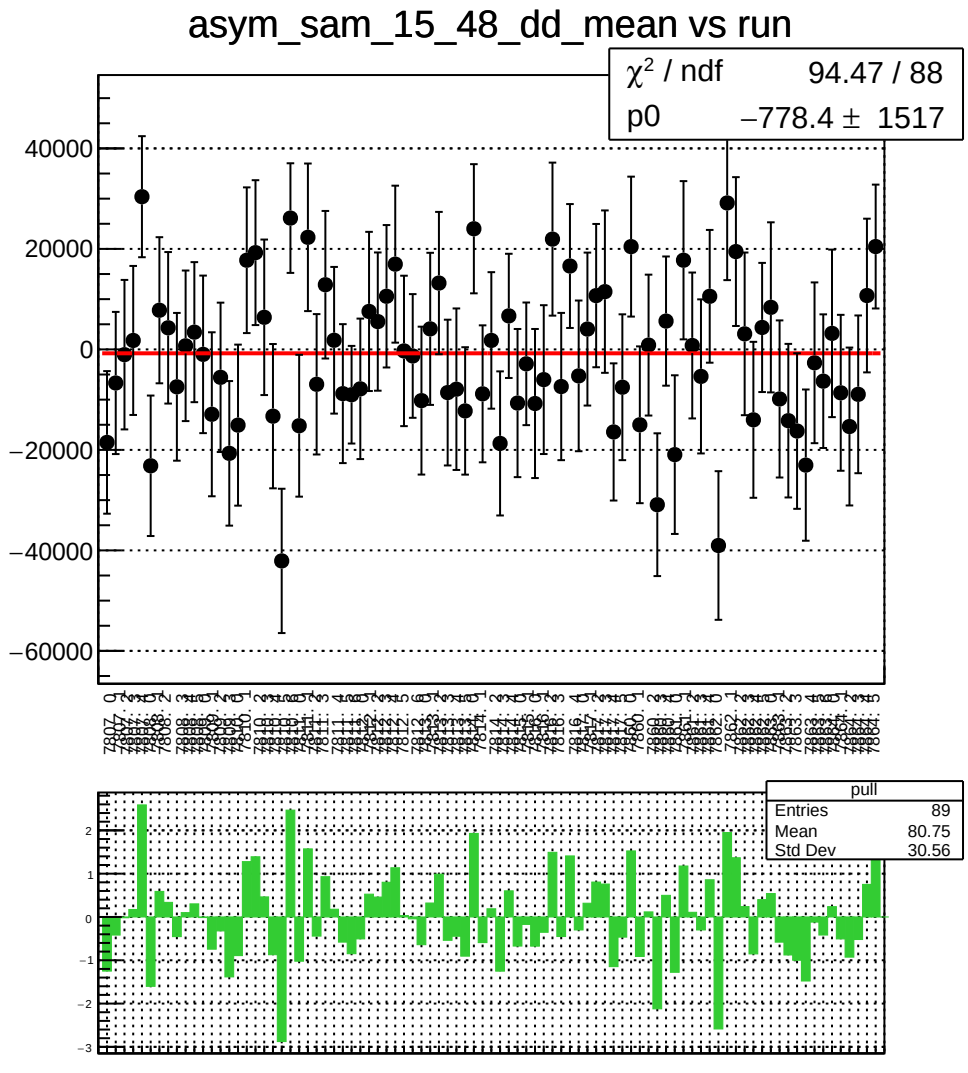

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 90.27 / 88
p0 −56.25 ± 94.48
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 89
Mean −66.2
Std Dev 83.24
pull1D
Entries 89
Mean −0.002032
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

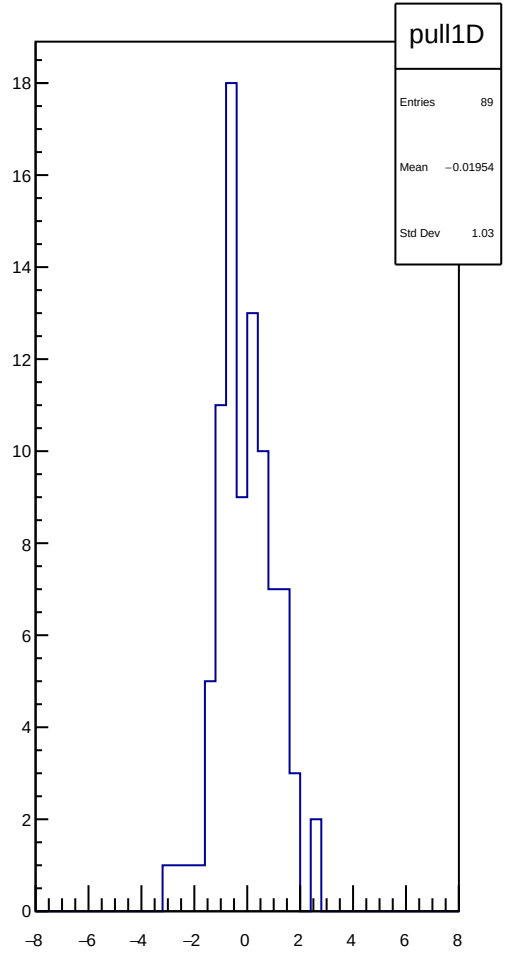

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.32e+04 / 88
p0 86.86 ± 0.06681
160
140
120
100
80

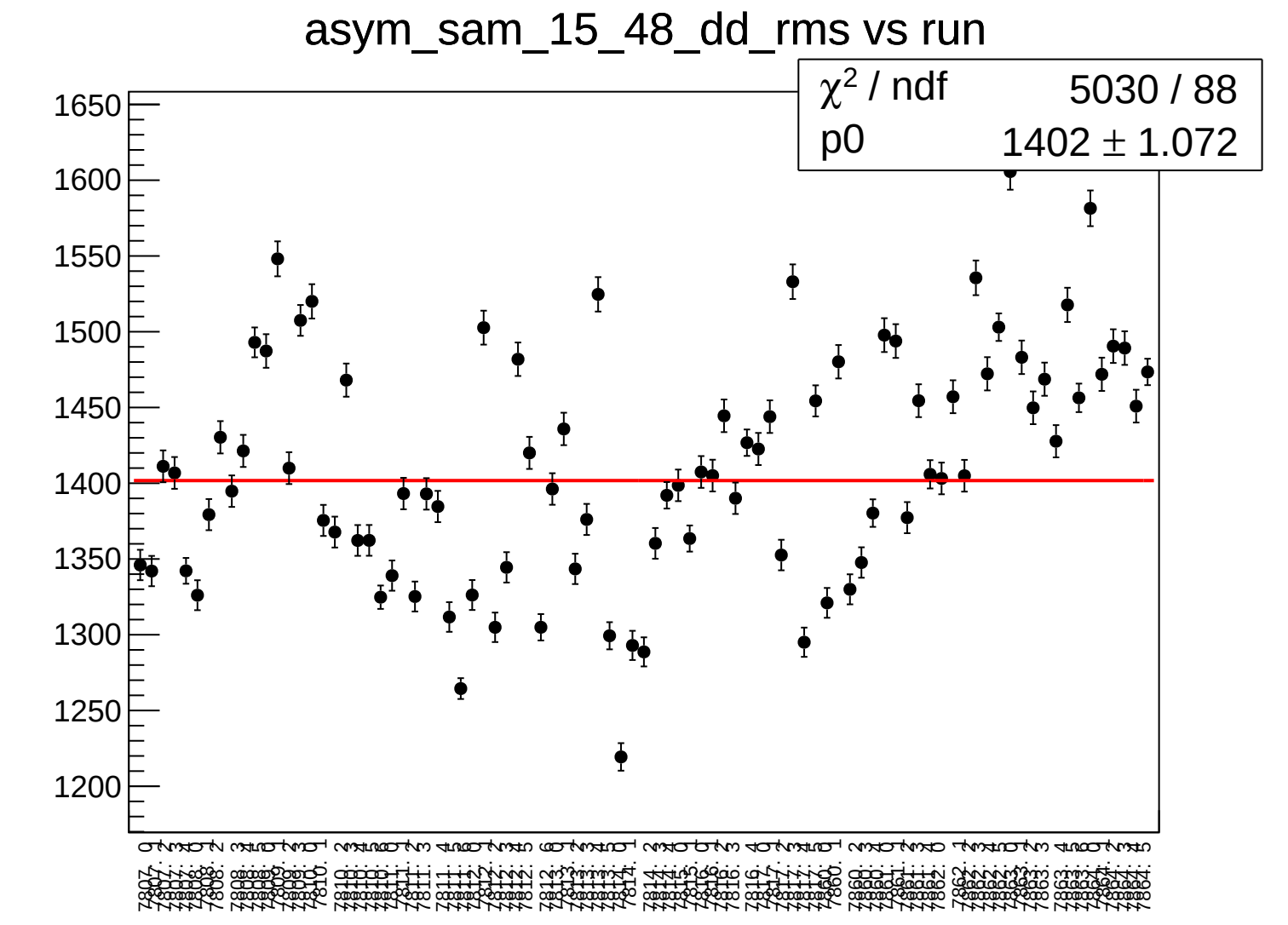

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 96.48 / 88
p0 756.5 ± 1506
60000
40000
20000
0
−20000
−40000
pull
Entries 89
Mean 85.14
Std Dev 26.32
3
2
1
0
−1
−2

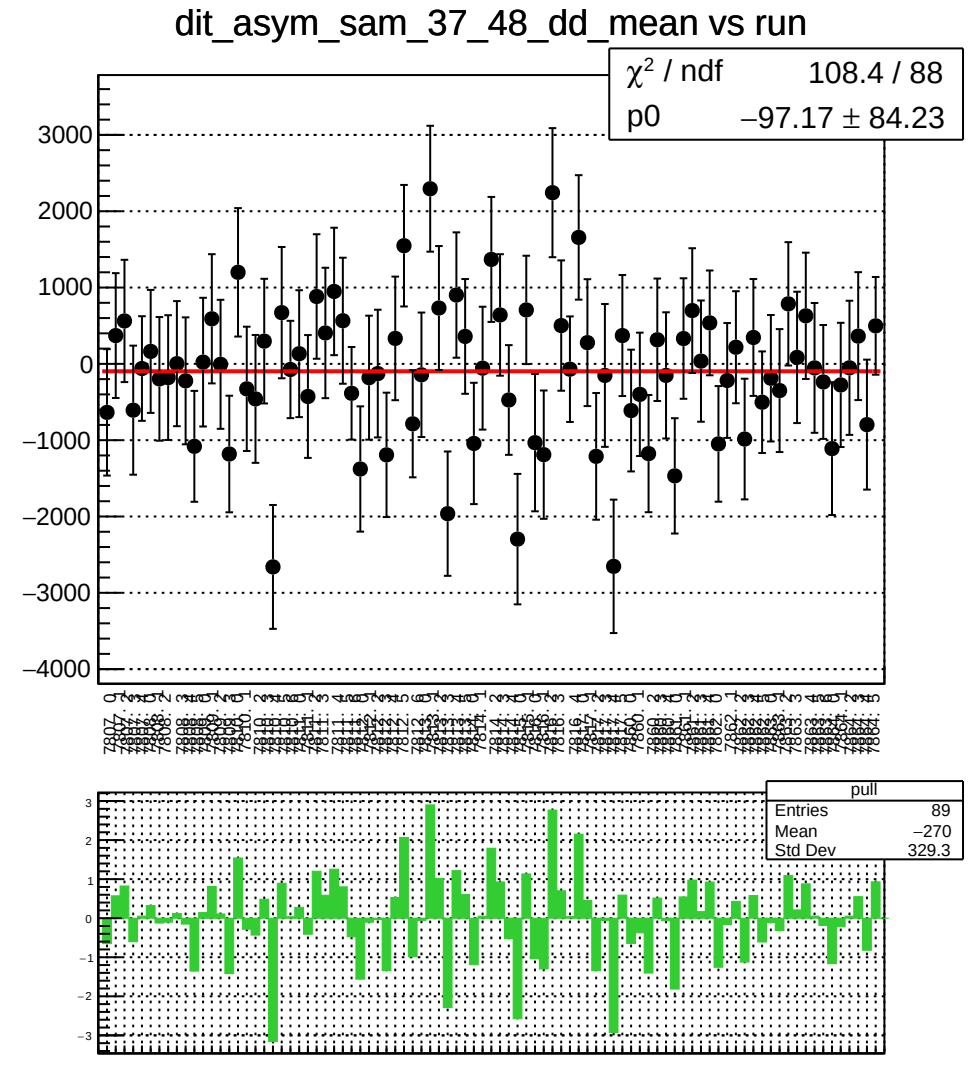

pull1D
Entries 89
Mean 0.01839
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

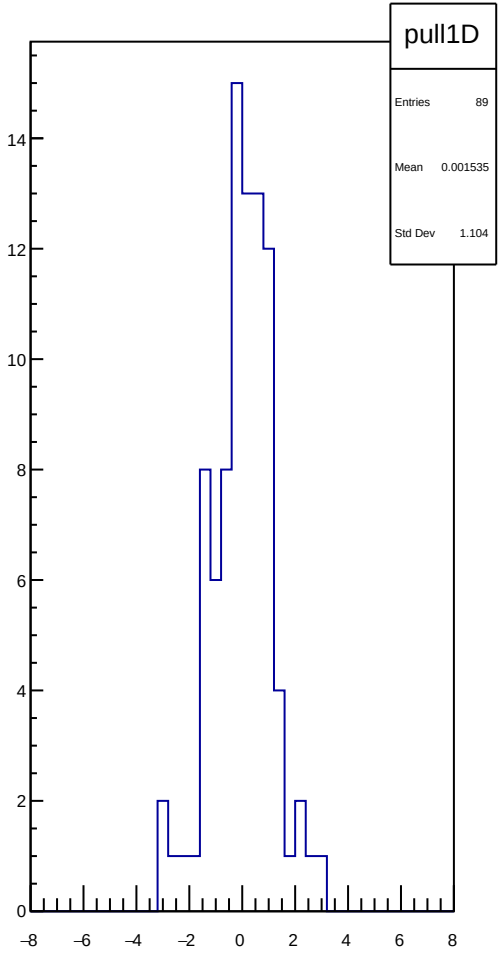

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 4488 / 88
p0 1392 ± 1.065
1600
1550
1500
1450
1400
1350
1300
1250
1200

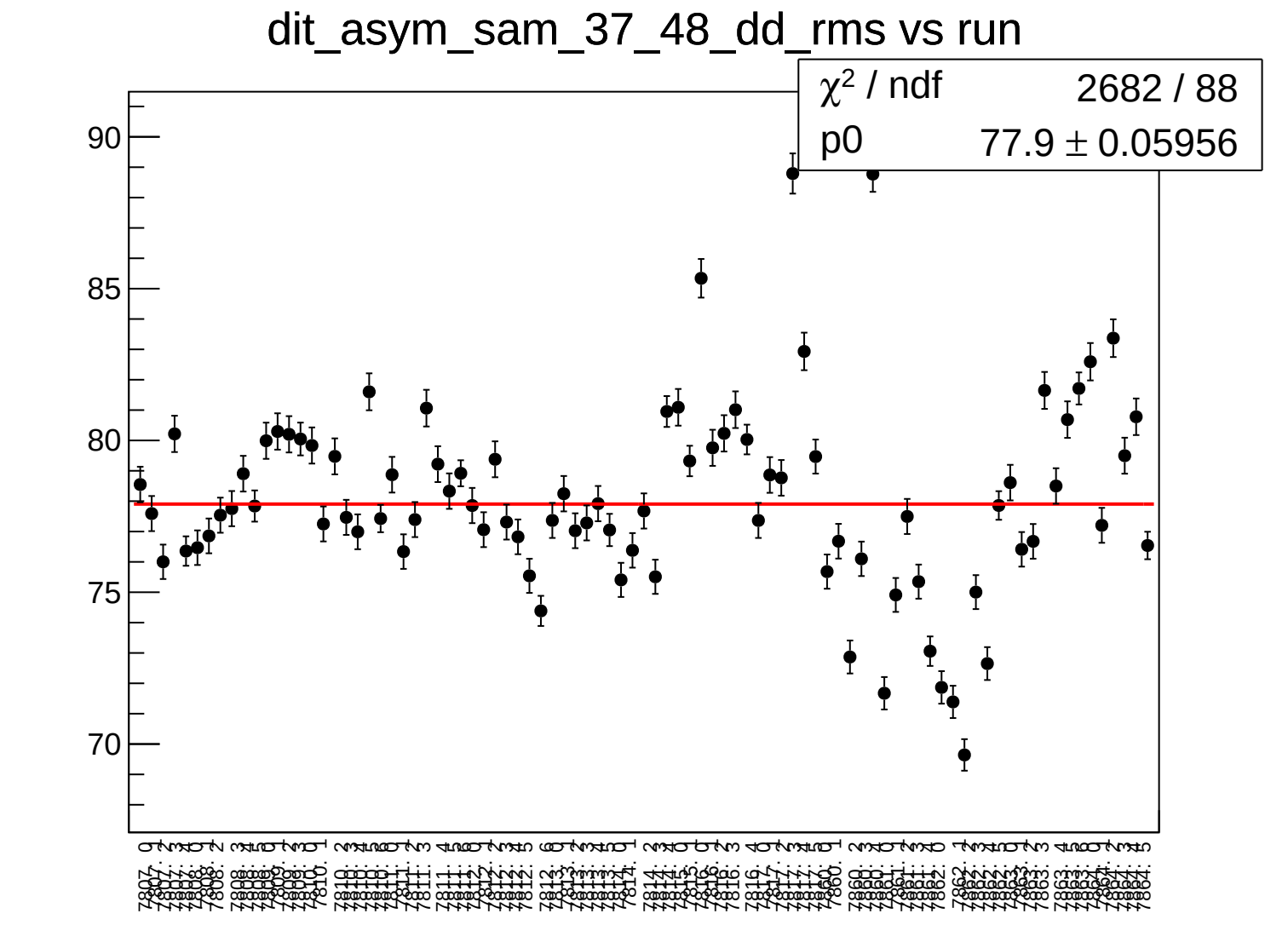

asym_sam_15_48_dd_mean vs run
χ² / ndf 94.47 / 88
p0 −778.4 ± 1517
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 80.75
Std Dev 30.56
2
1
0
−1
−2
−3

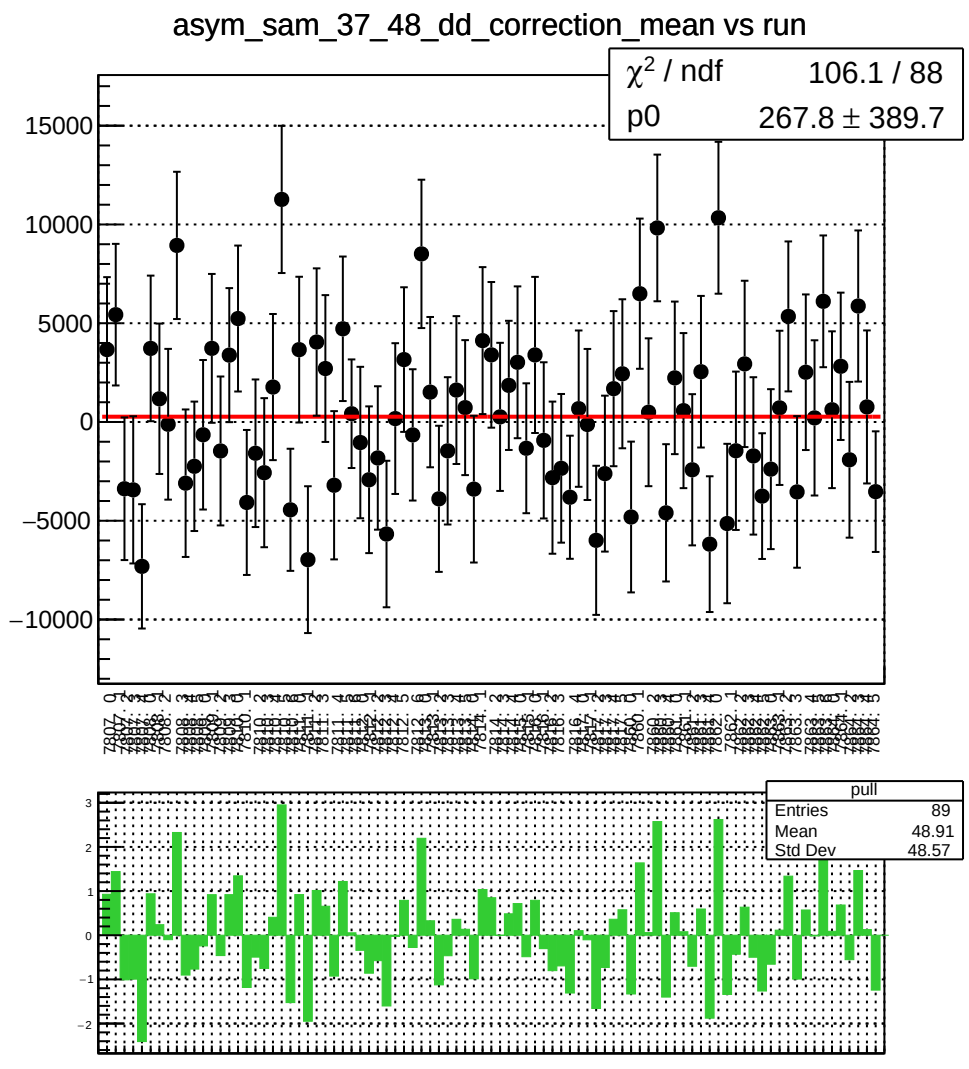

pull1D
Entries 89
Mean −0.01954
Std Dev 1.03
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

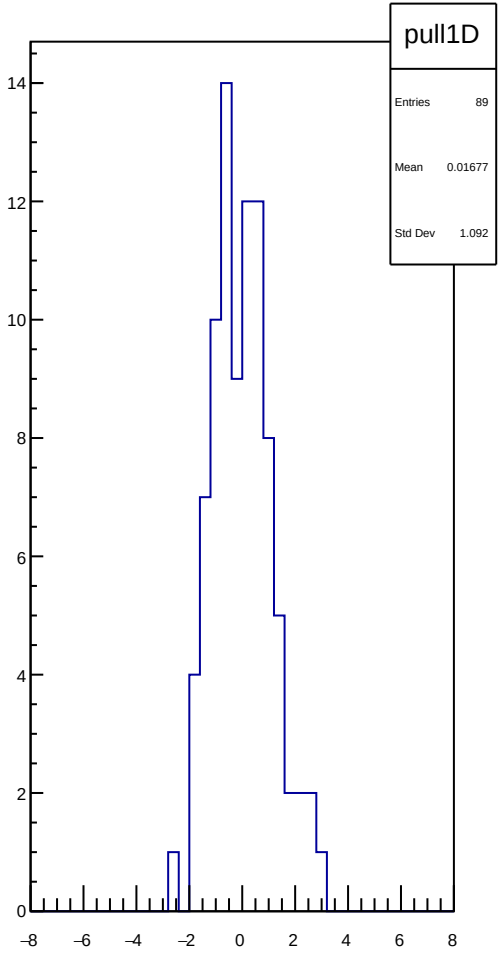

asym_sam_15_48_dd_rms vs run
χ² / ndf 5030 / 88
p0 1402 ± 1.072
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200

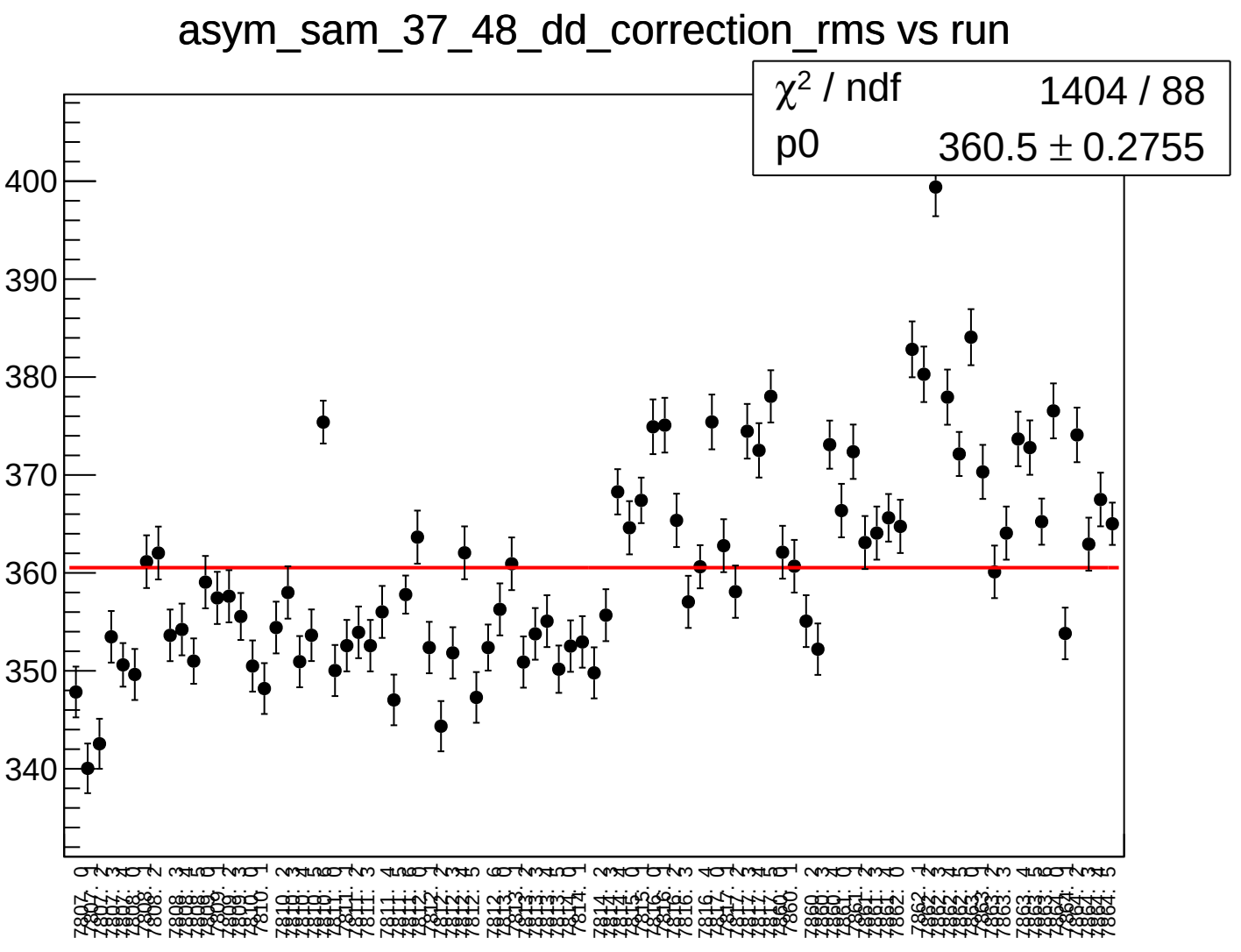

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 108.4 / 88
p0 −97.17 ± 84.23
pull
Entries 89
Mean −270
Std Dev 329.3

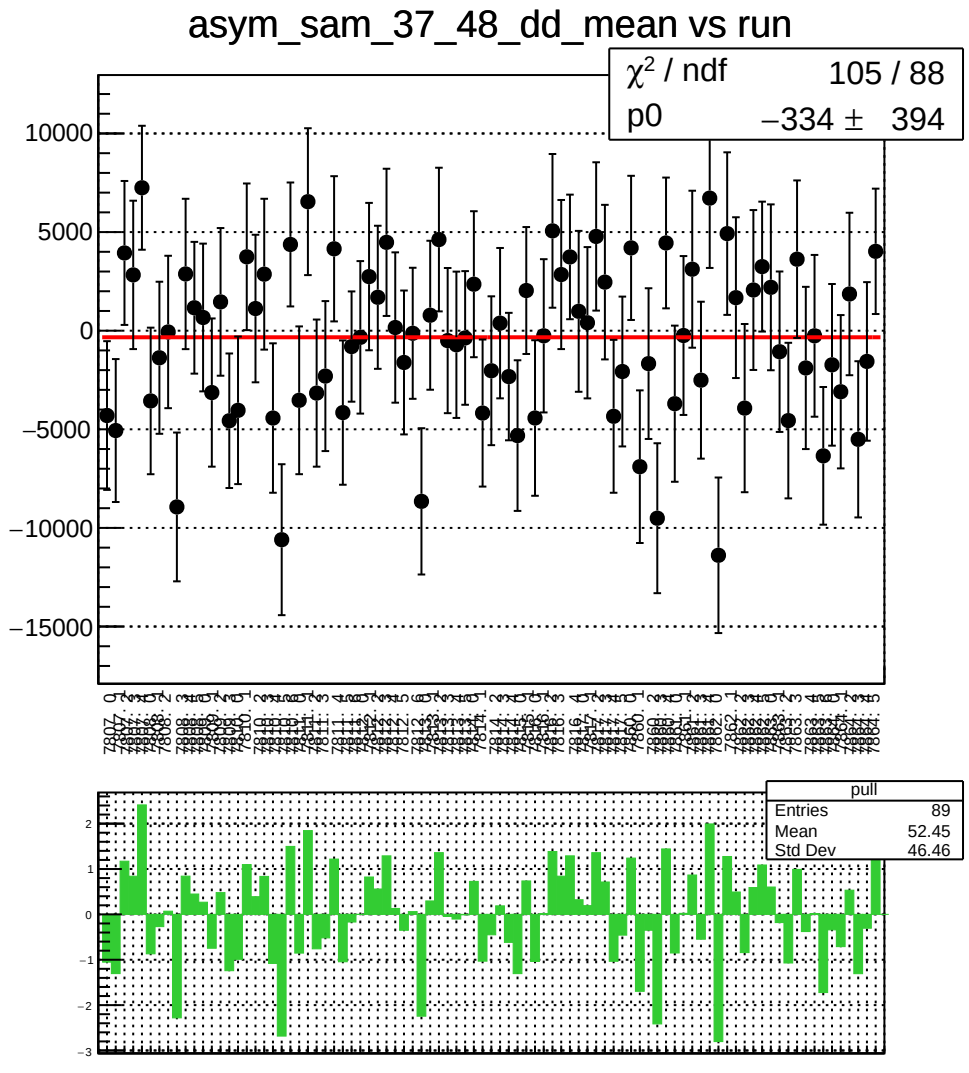

pull1D
Entries 89
Mean 0.001535
Std Dev 1.104

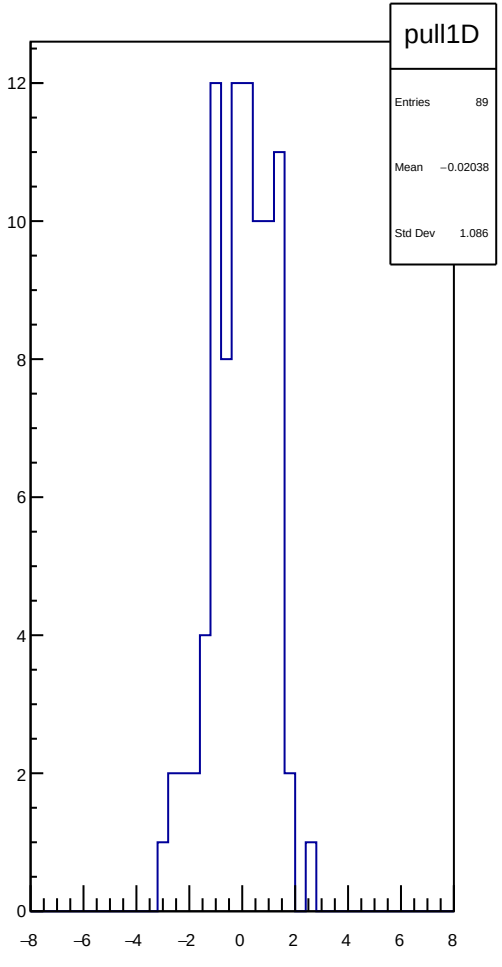

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2682 / 88
p0 77.9 ± 0.05956
90
85
80
75
70

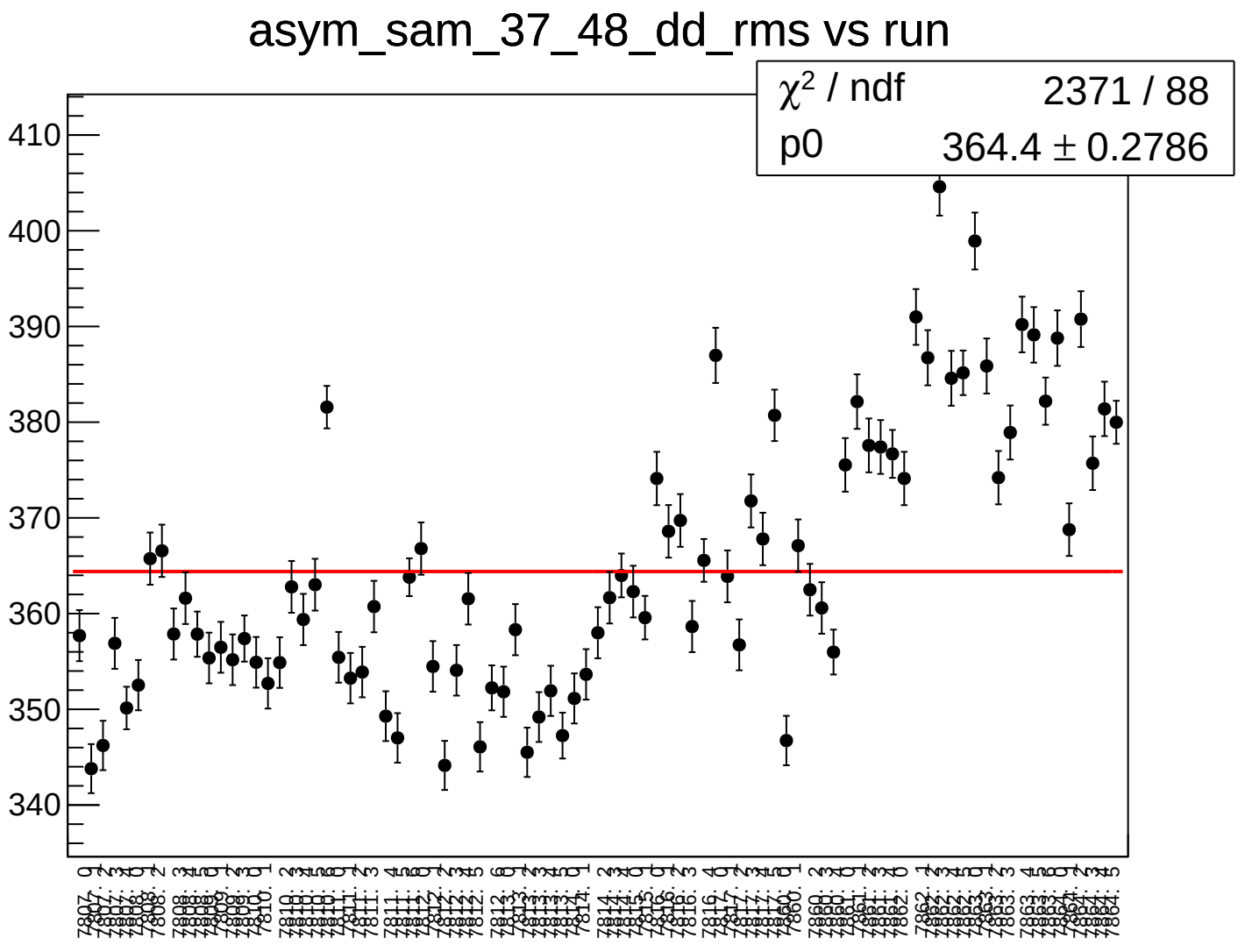

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 106.1 / 88
p0 267.8 ± 389.7
15000
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 48.91
Std Dev 48.57
3
2
1
0
−1
−2

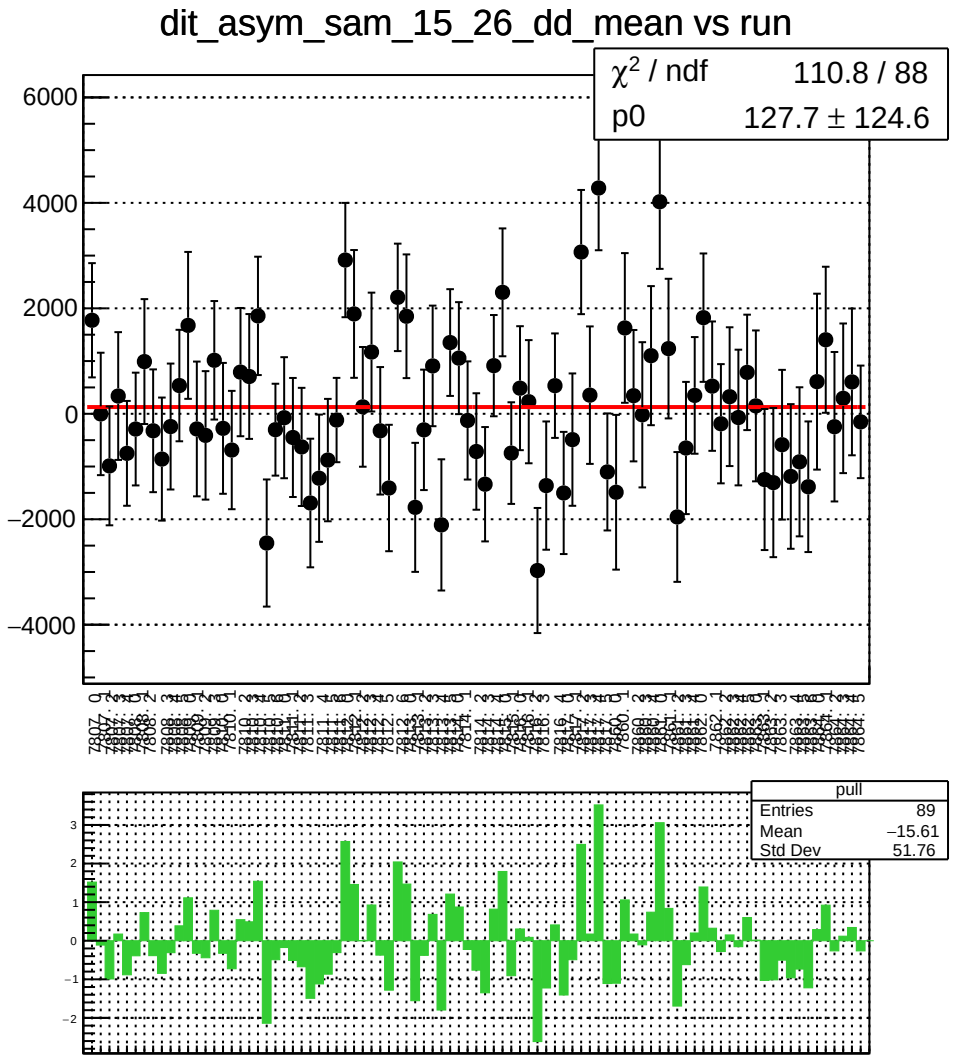

pull1D
Entries 89
Mean 0.01677
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

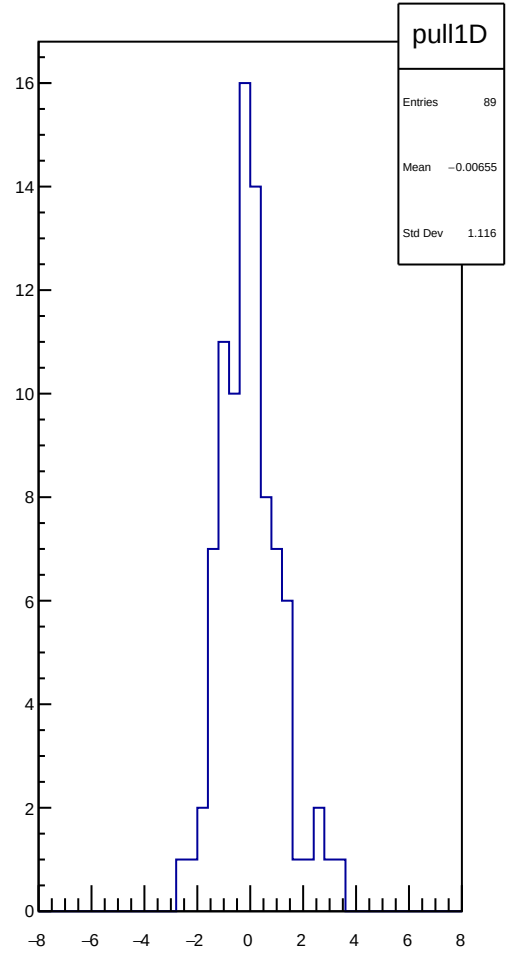

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1404 / 88
p0 360.5 ± 0.2755
400
390
380
370
360
350
340

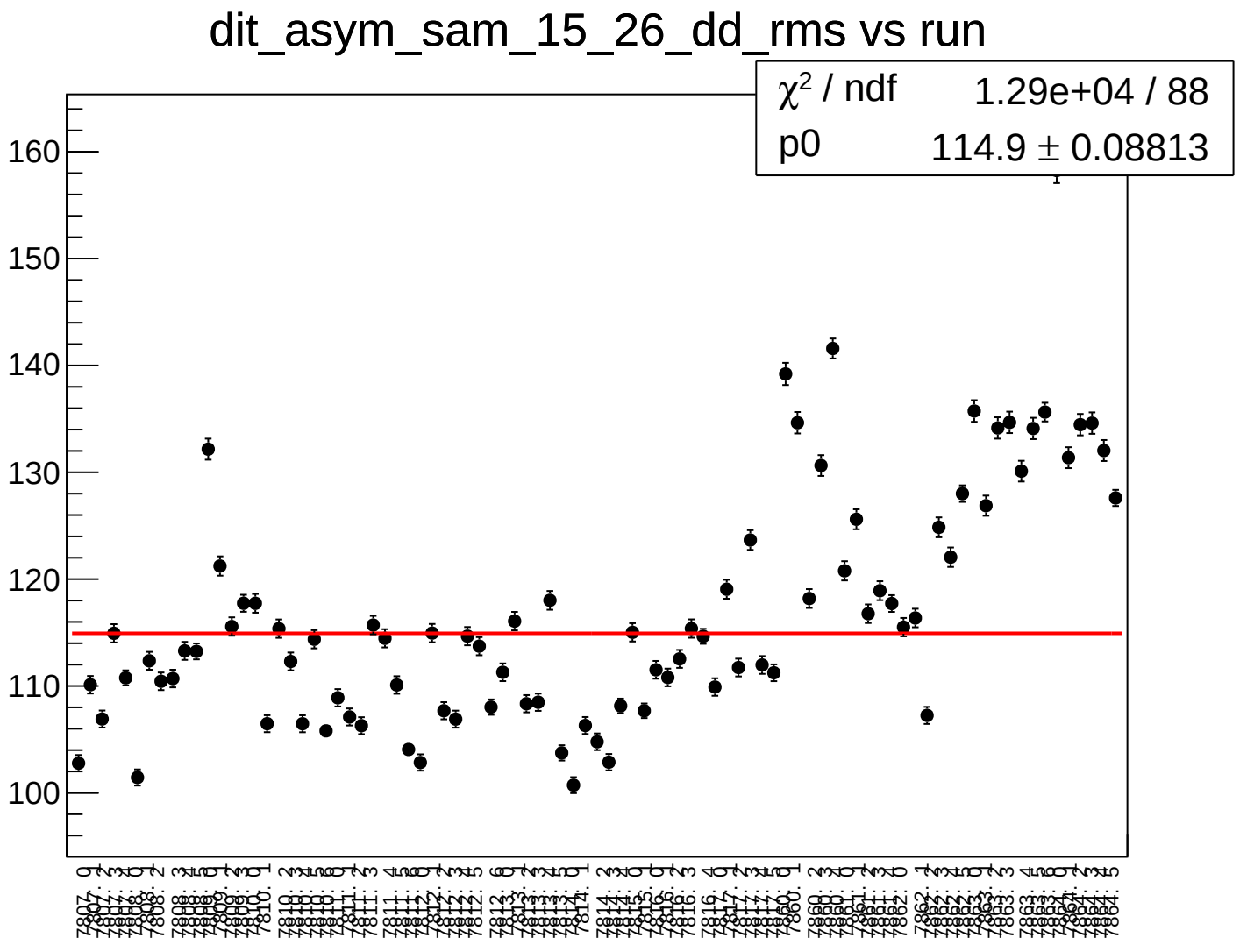

asym_sam_37_48_dd_mean vs run
χ² / ndf 105 / 88
p0 −334 ± 394
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 52.45
Std Dev 46.46
2
1
0
−1
−2
−3

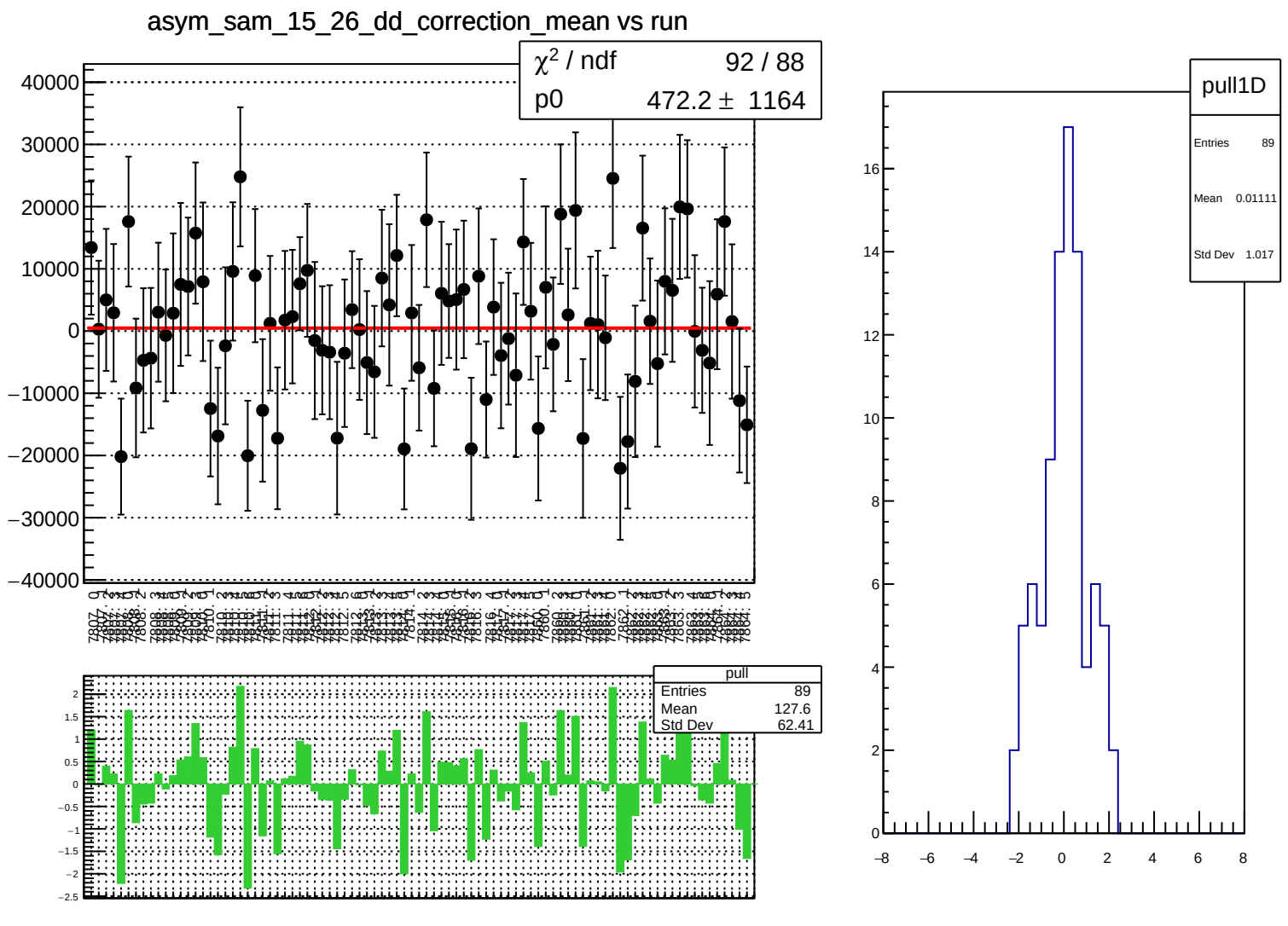

pull1D
Entries 89
Mean −0.02038
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

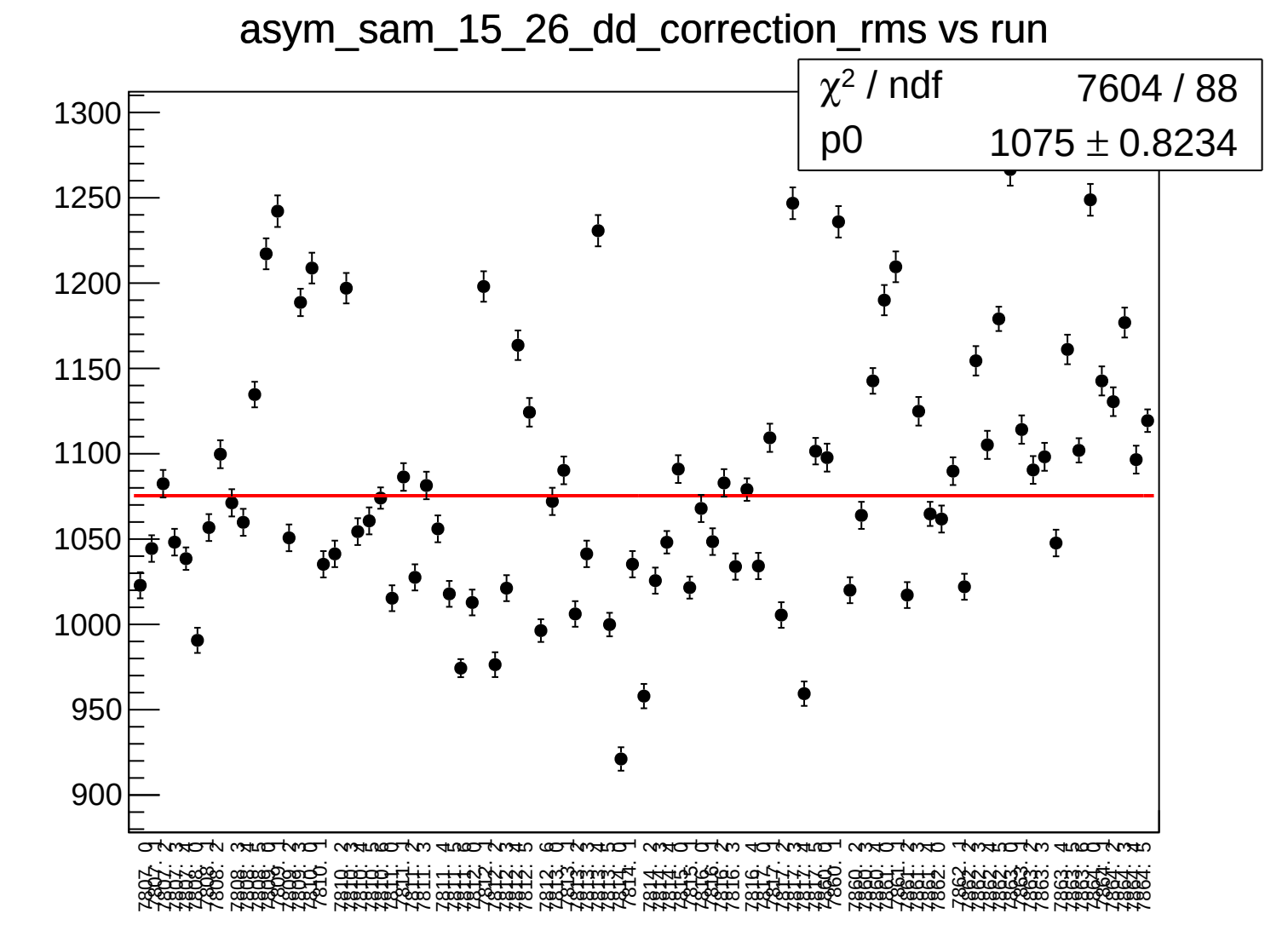

asym_sam_37_48_dd_rms vs run
χ² / ndf 2371 / 88
p0 364.4 ± 0.2786
410
400
390
380
370
360
350
340

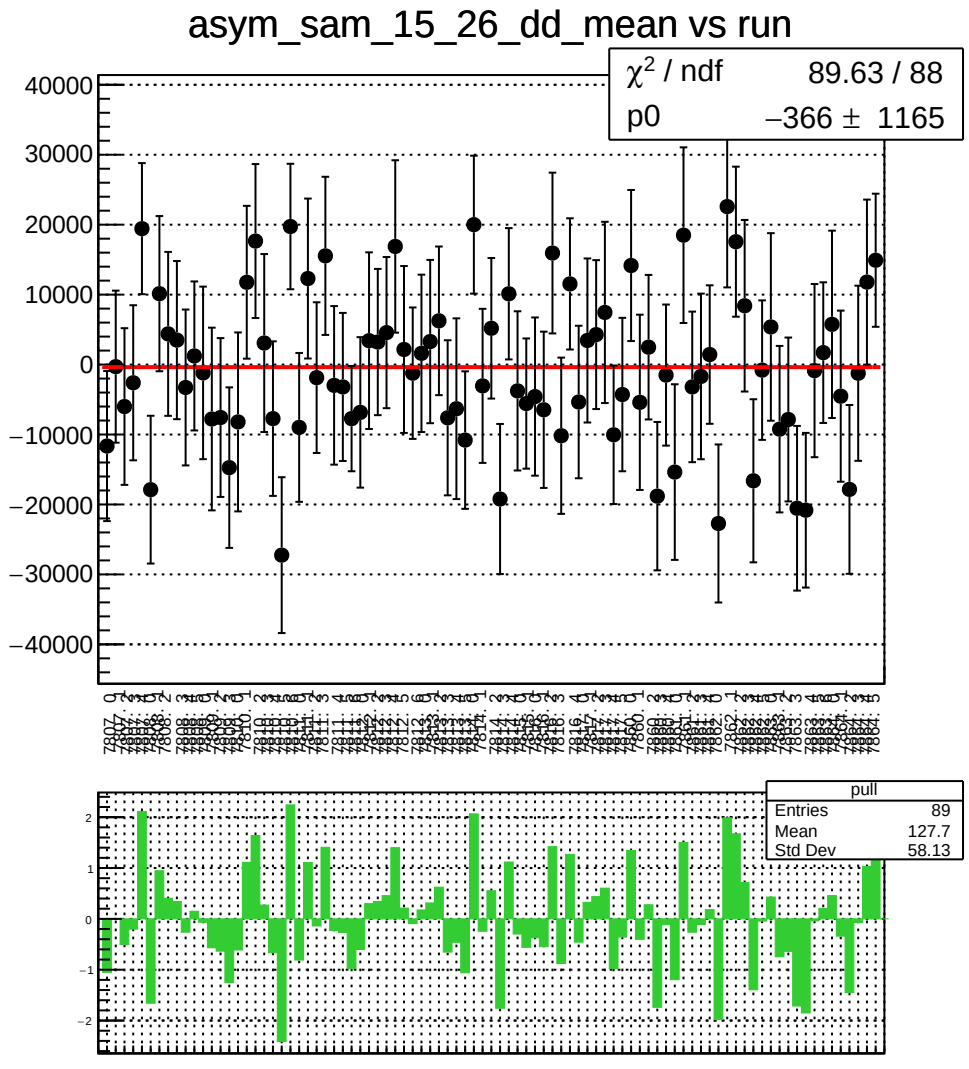

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 110.8 / 88
p0 127.7 ± 124.6
6000
4000
2000
0
−2000
−4000
pull
Entries 89
Mean −15.61
Std Dev 51.76
3
2
1
0
−1
−2

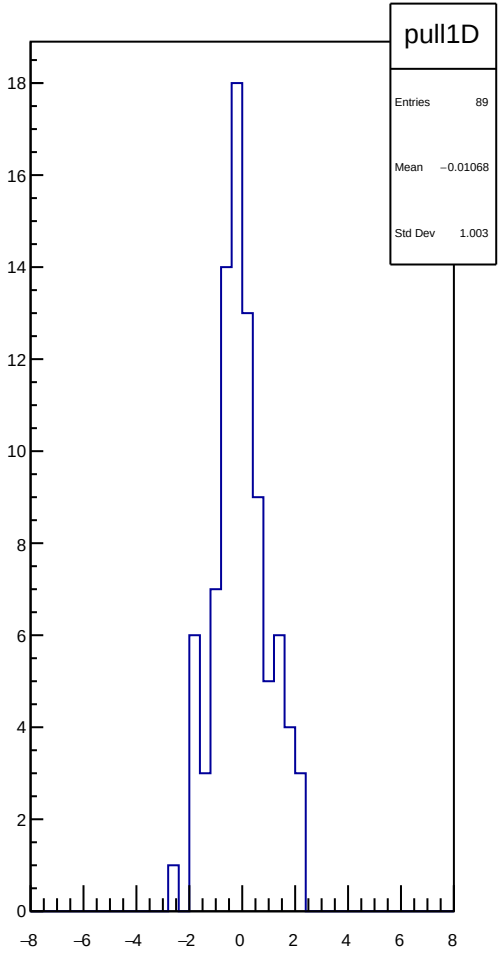

pull1D
Entries 89
Mean −0.00655
Std Dev 1.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

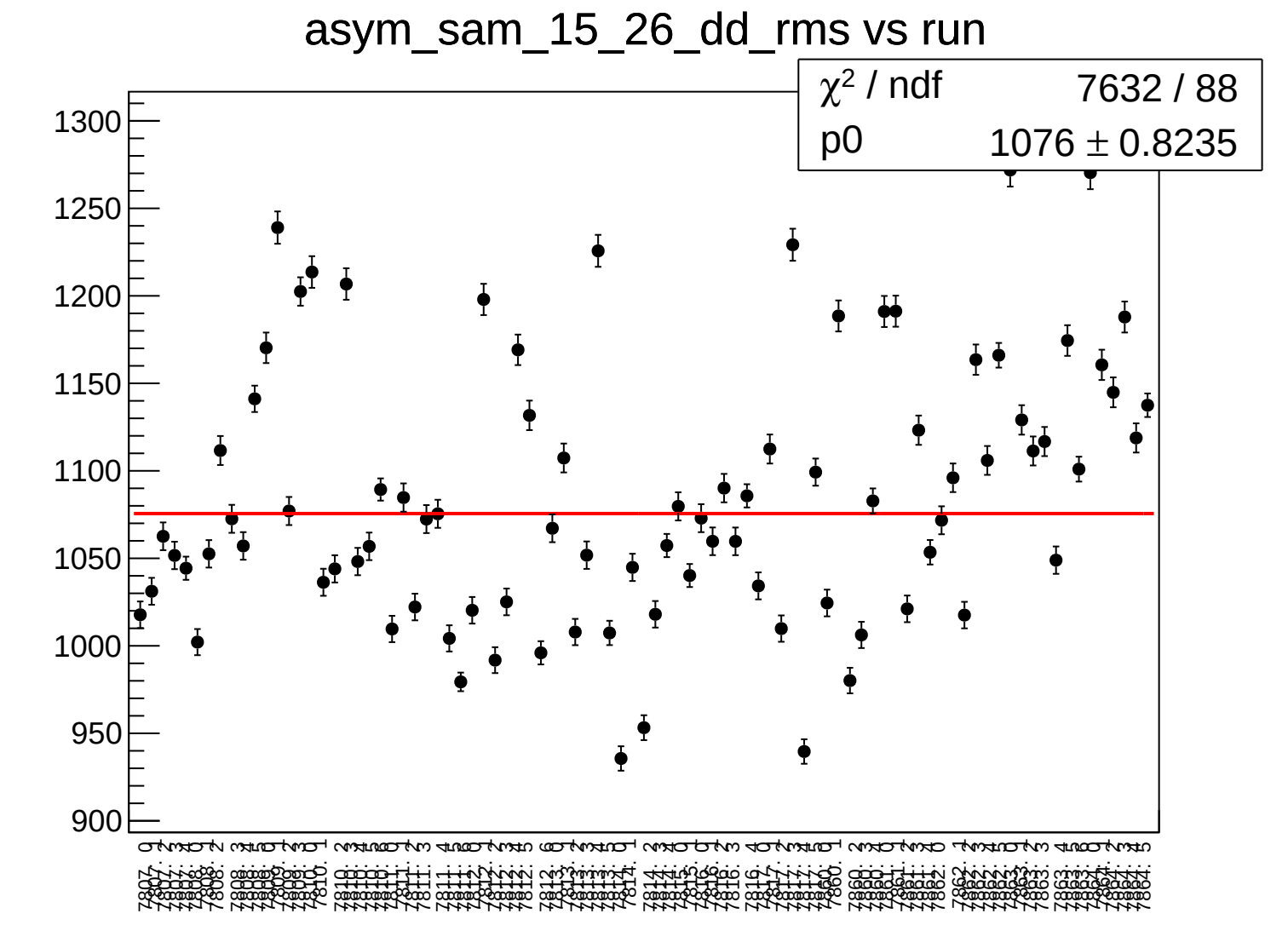

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.29e+04 / 88
p0 114.9 ± 0.08813
160
150
140
130
120
110
100

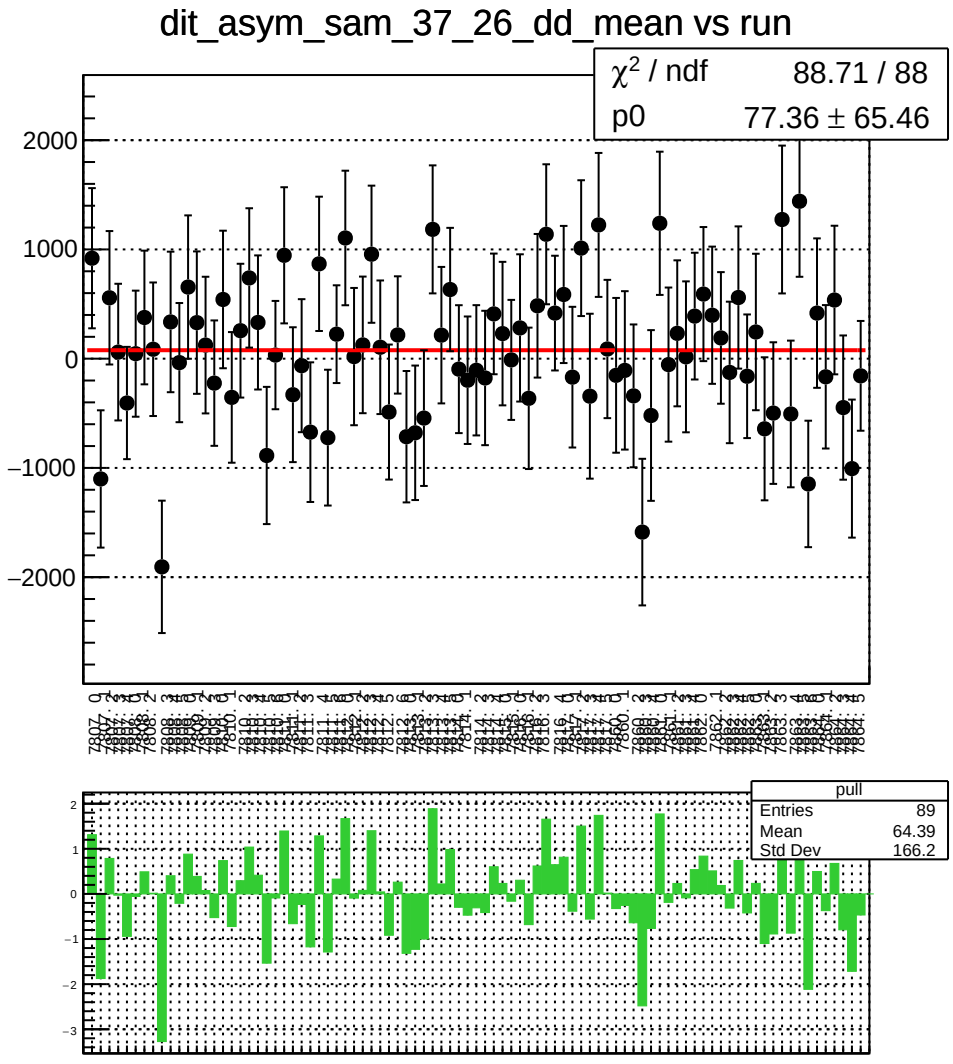

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 92 / 88
p0 472.2 ± 1164
pull
Entries 89
Mean 127.6
Std Dev 62.41
pull1D
Entries 89
Mean 0.01111
Std Dev 1.017

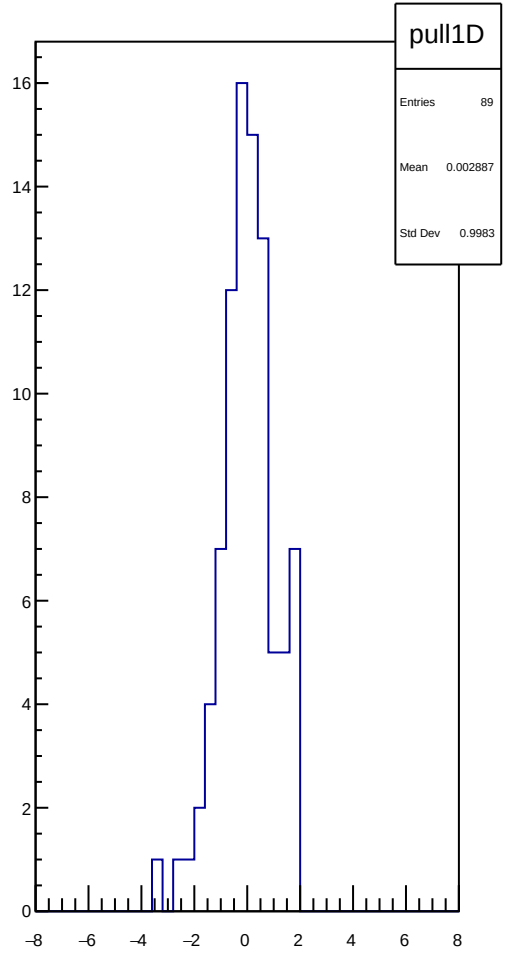

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 7604 / 88
p0 1075 ± 0.8234
1300
1250
1200
1150
1100
1050
1000
950
900

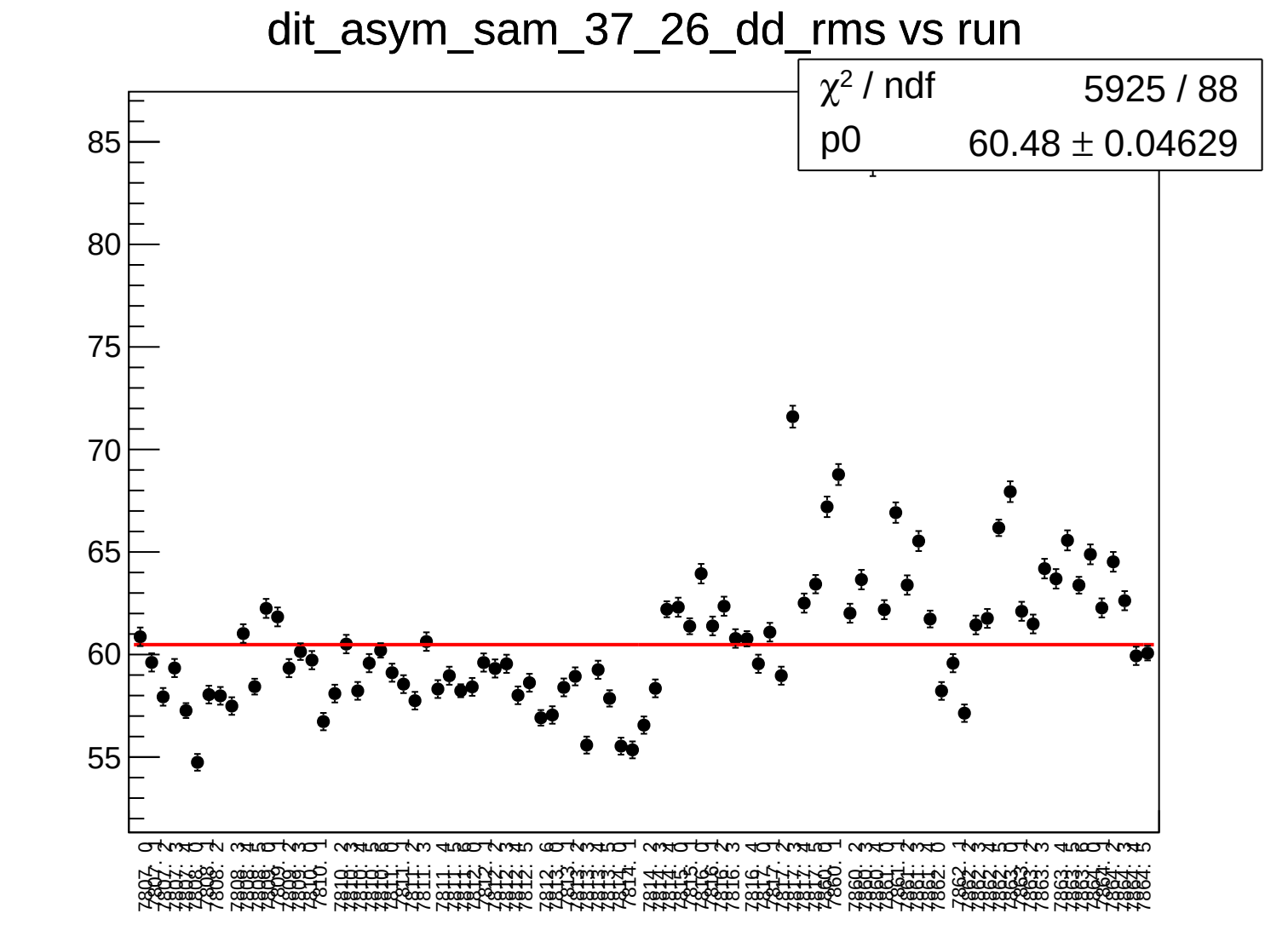

asym_sam_15_26_dd_mean vs run
χ² / ndf 89.63 / 88
p0 −366 ± 1165
pull
Entries 89
Mean 127.7
Std Dev 58.13

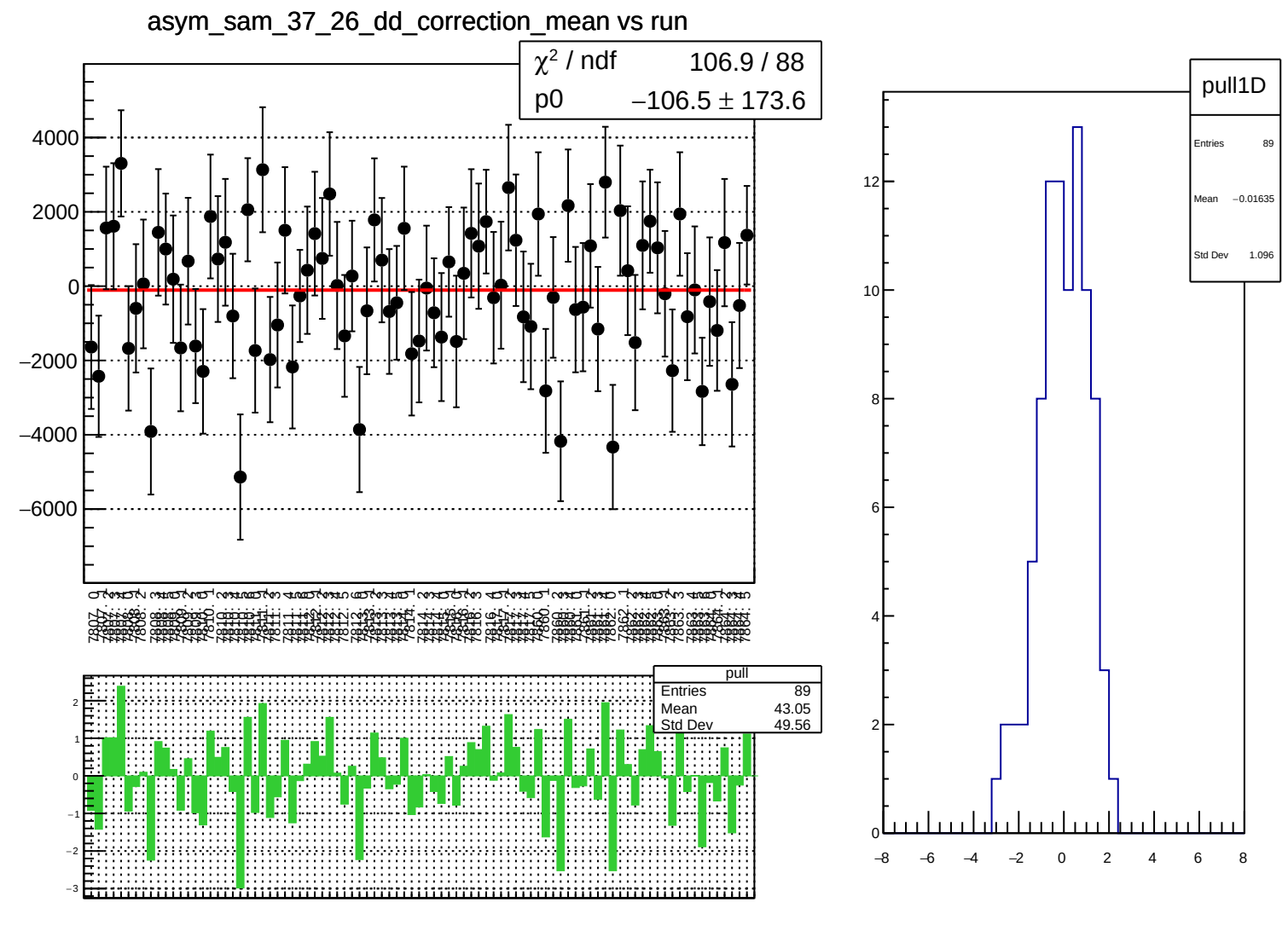

pull1D
Entries 89
Mean −0.01068
Std Dev 1.003

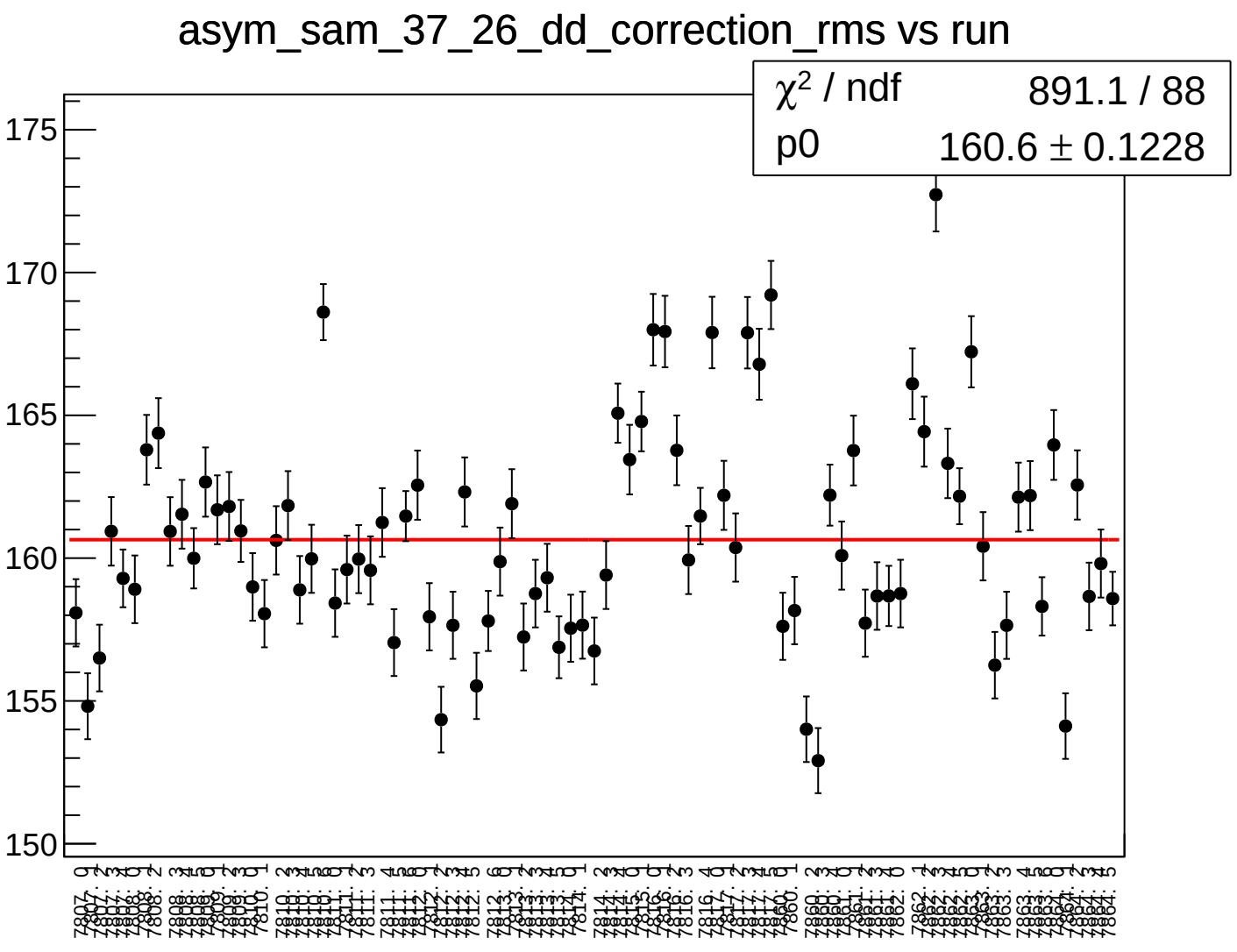

asym_sam_15_26_dd_rms vs run
χ² / ndf 7632 / 88
p0 1076 ± 0.8235
1300
1250
1200
1150
1100
1050
1000
950
900

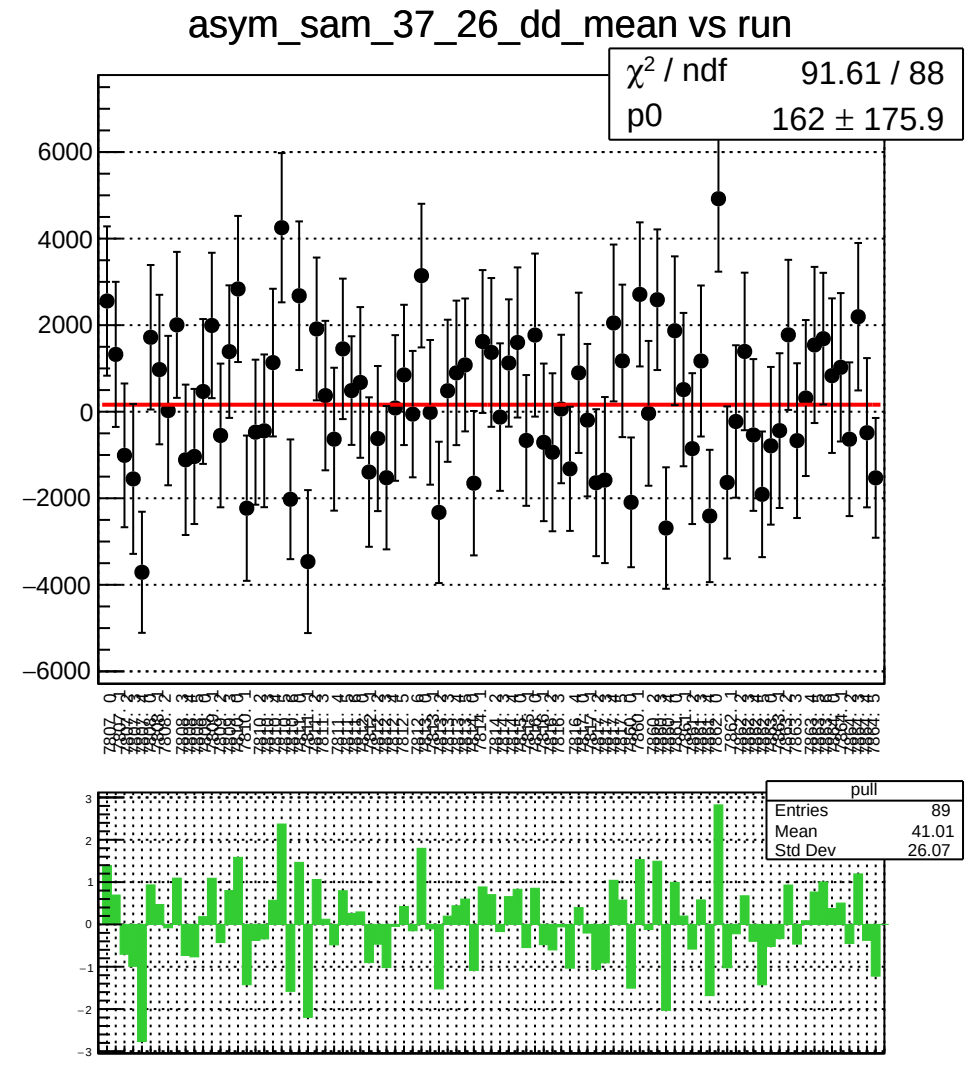

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 88.71 / 88
p0 77.36 ± 65.46
2000
1000
0
−1000
−2000
pull
Entries 89
Mean 64.39
Std Dev 166.2
2
1
0
−1
−2
−3

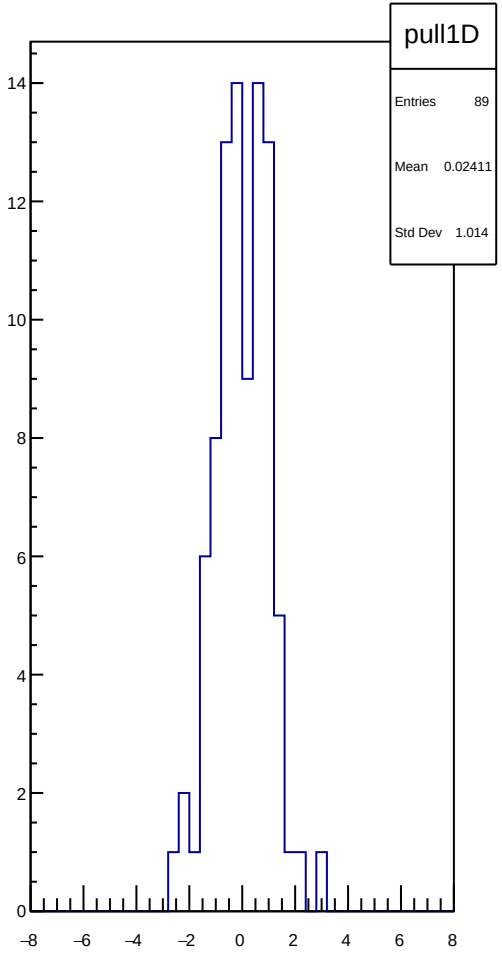

pull1D
Entries 89
Mean 0.002887
Std Dev 0.9983
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

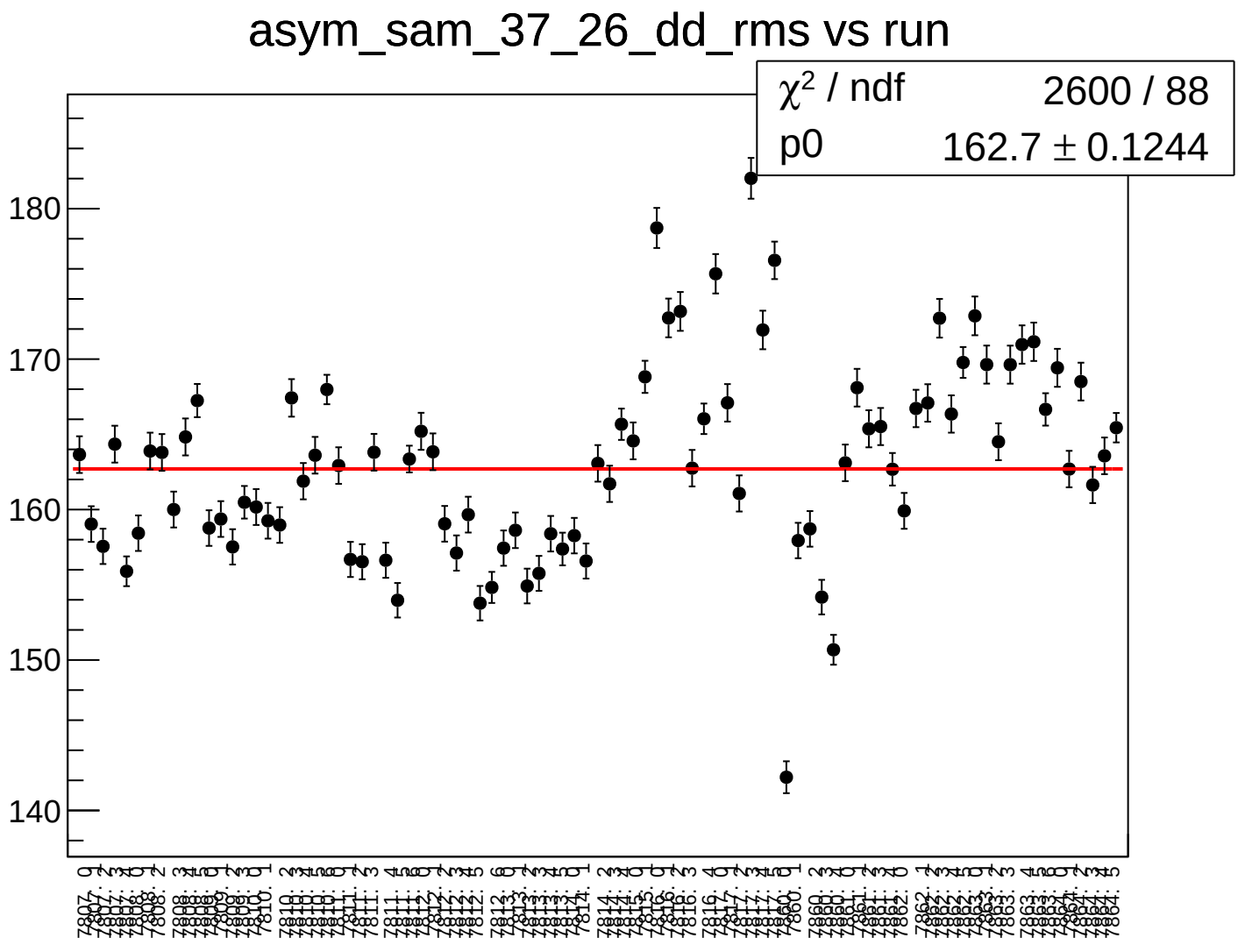

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 5925 / 88
p0 60.48 ± 0.04629
85
80
75
70
65
60
55

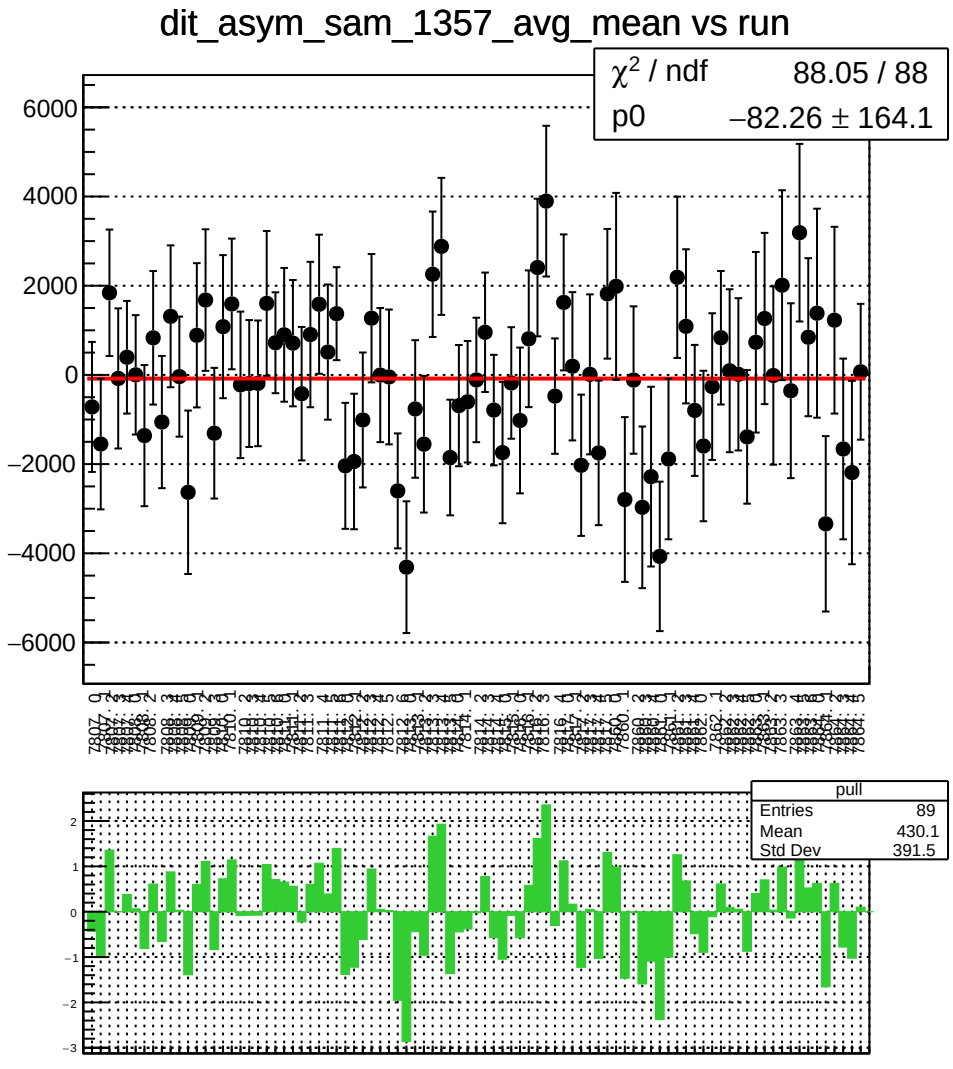

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 106.9 / 88
p0 −106.5 ± 173.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 43.05
Std Dev 49.56
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.01635
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

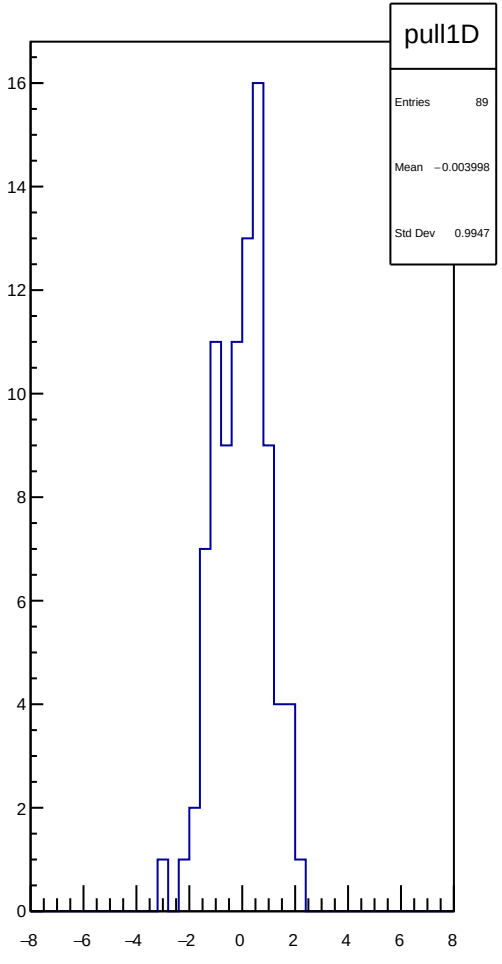

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 891.1 / 88
p0 160.6 ± 0.1228
175
170
165
160
155
150

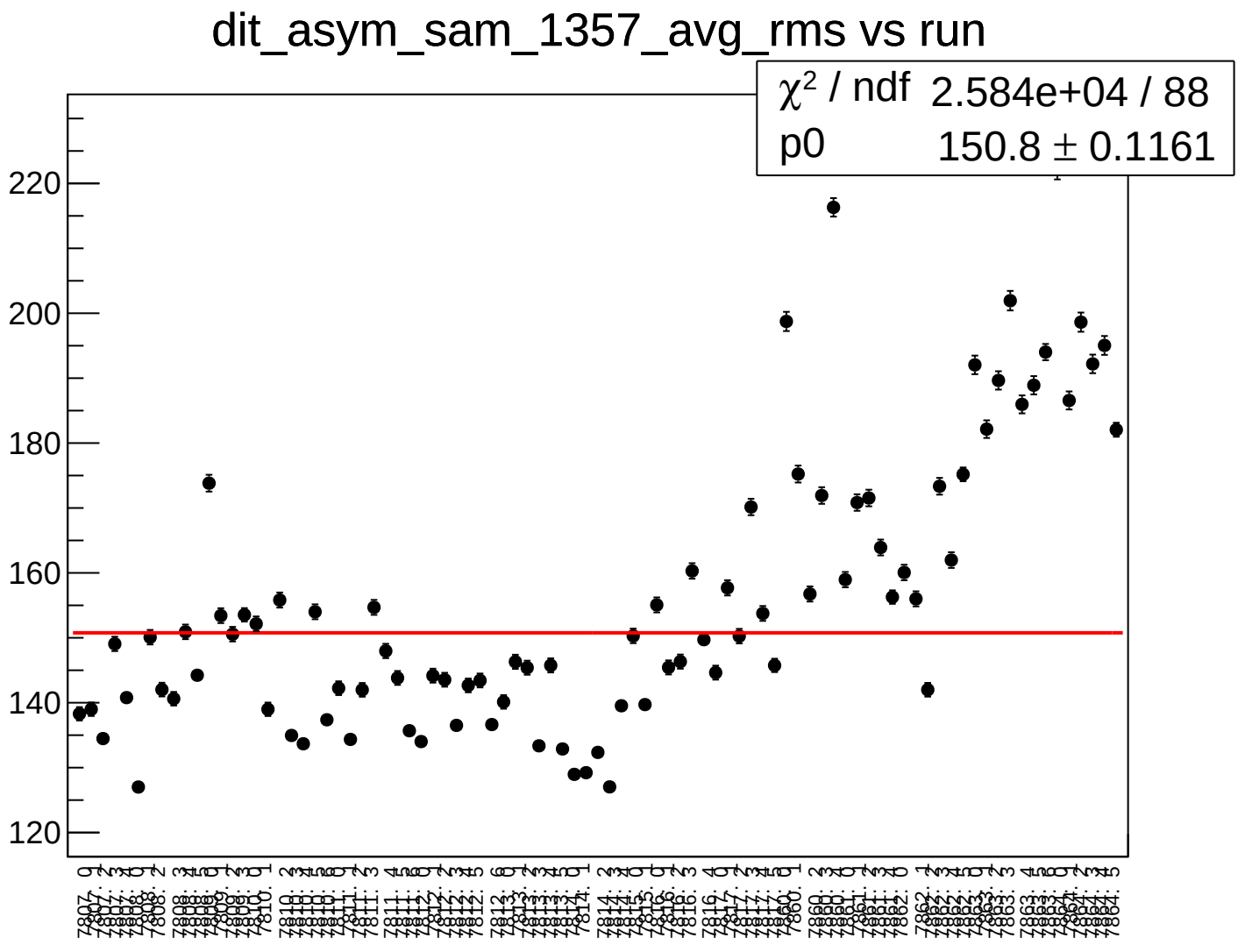

asym_sam_37_26_dd_mean vs run
χ² / ndf 91.61 / 88
p0 162 ± 175.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 41.01
Std Dev 26.07
3
2
1
0
−1
−2
−3

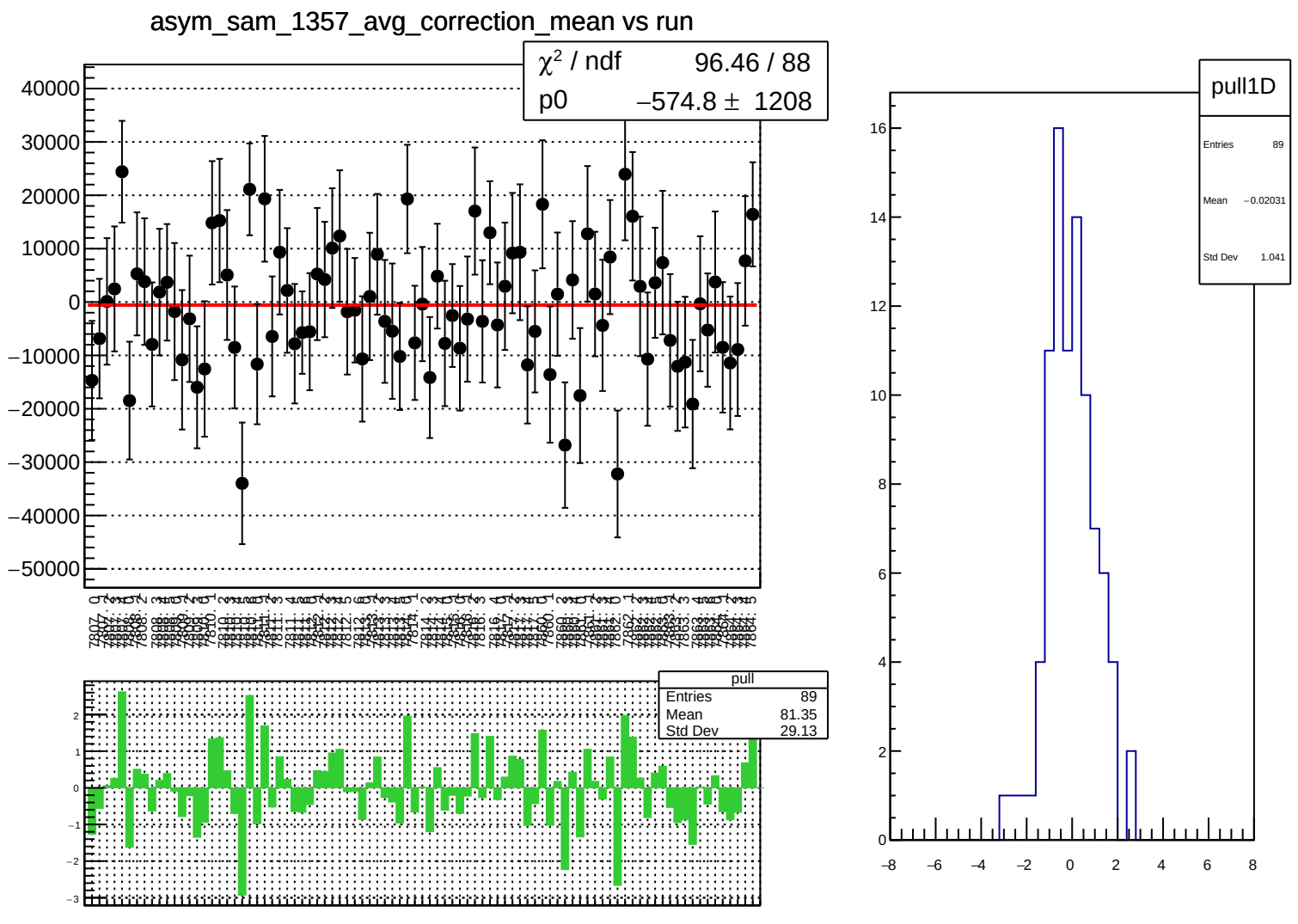

pull1D
Entries 89
Mean 0.02411
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

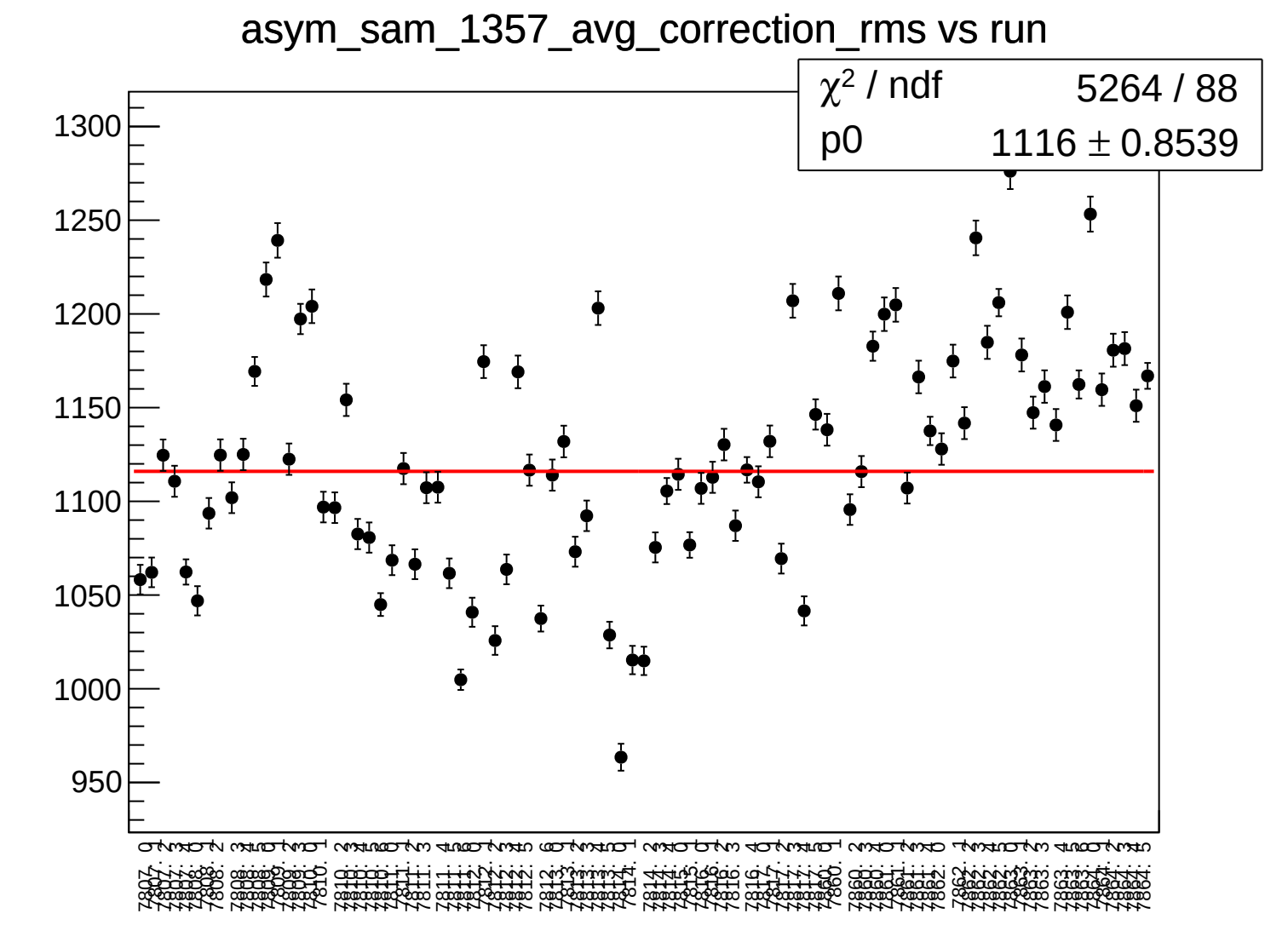

asym_sam_37_26_dd_rms vs run
χ² / ndf 2600 / 88
p0 162.7 ± 0.1244
180
170
160
150
140

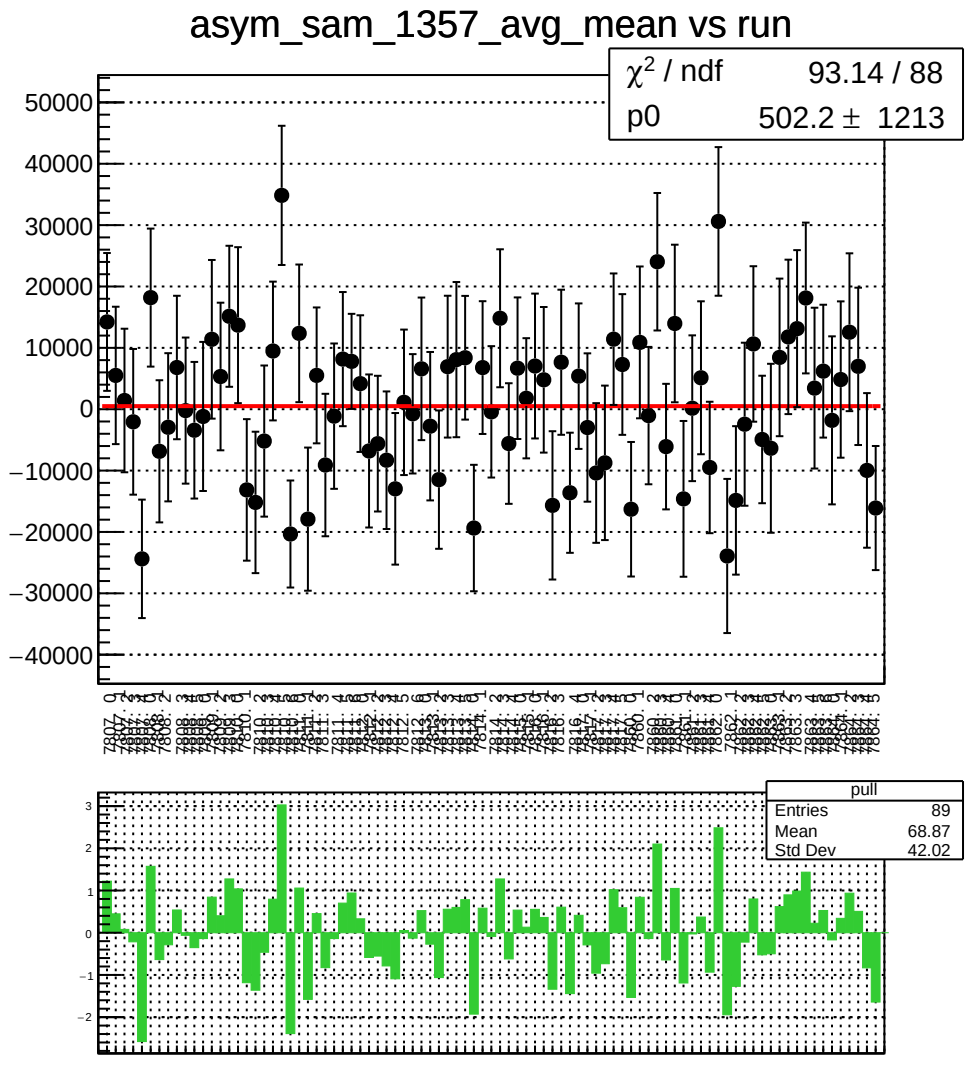

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 88.05 / 88
p0 −82.26 ± 164.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean 430.1
Std Dev 391.5
2
1
0
−1
−2
−3

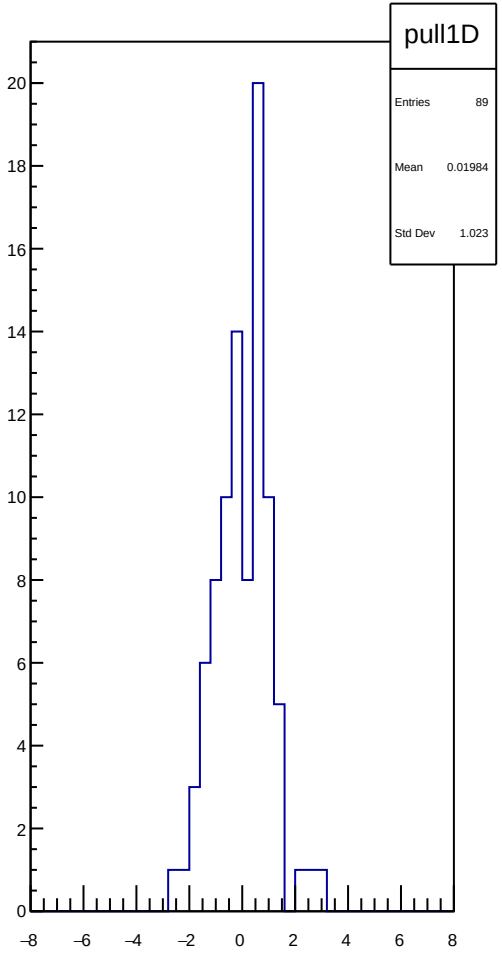

pull1D
Entries 89
Mean −0.003998
Std Dev 0.9947
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

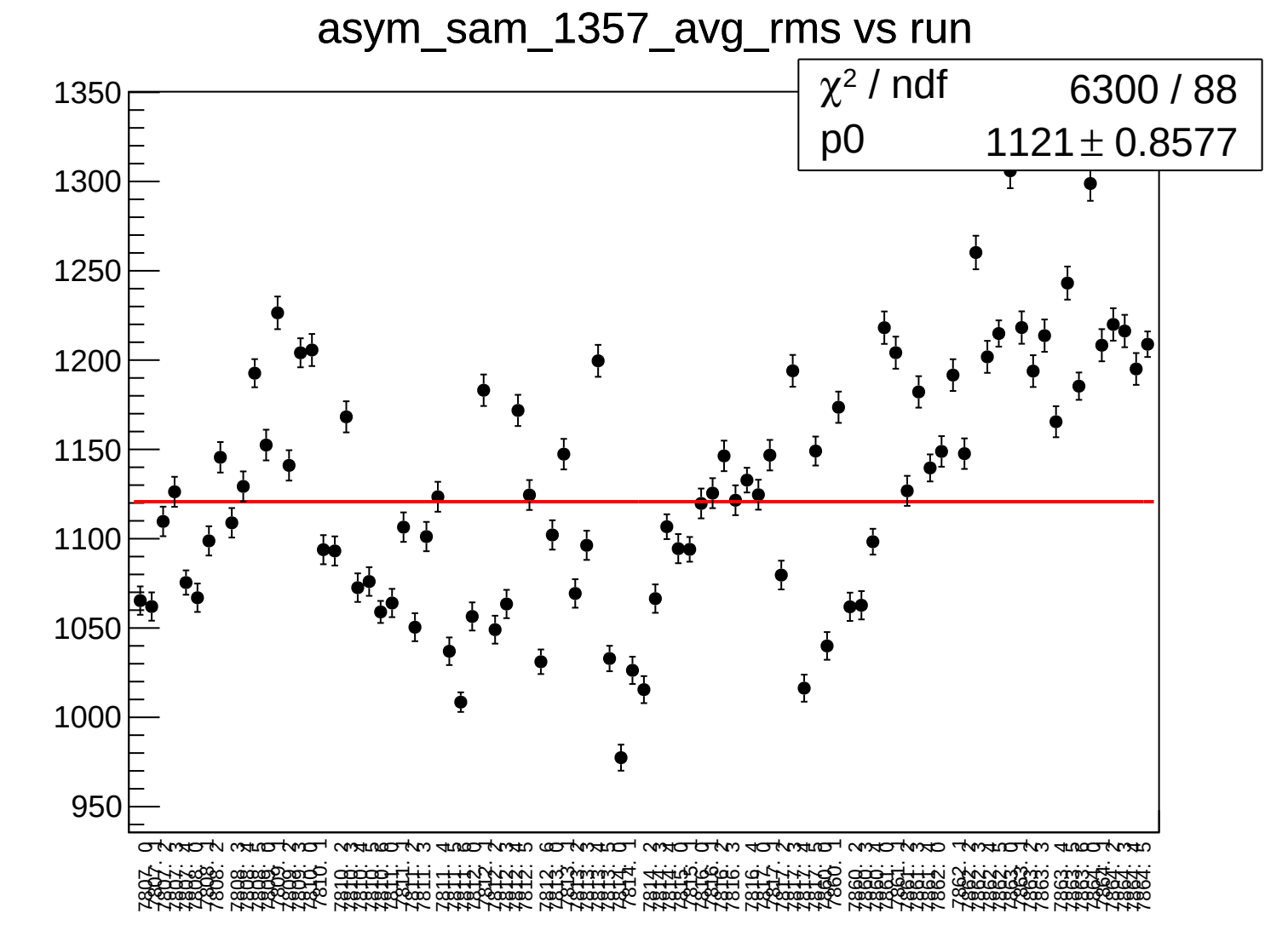

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.584e+04 / 88
p0 150.8 ± 0.1161
220
200
180
160
140
120

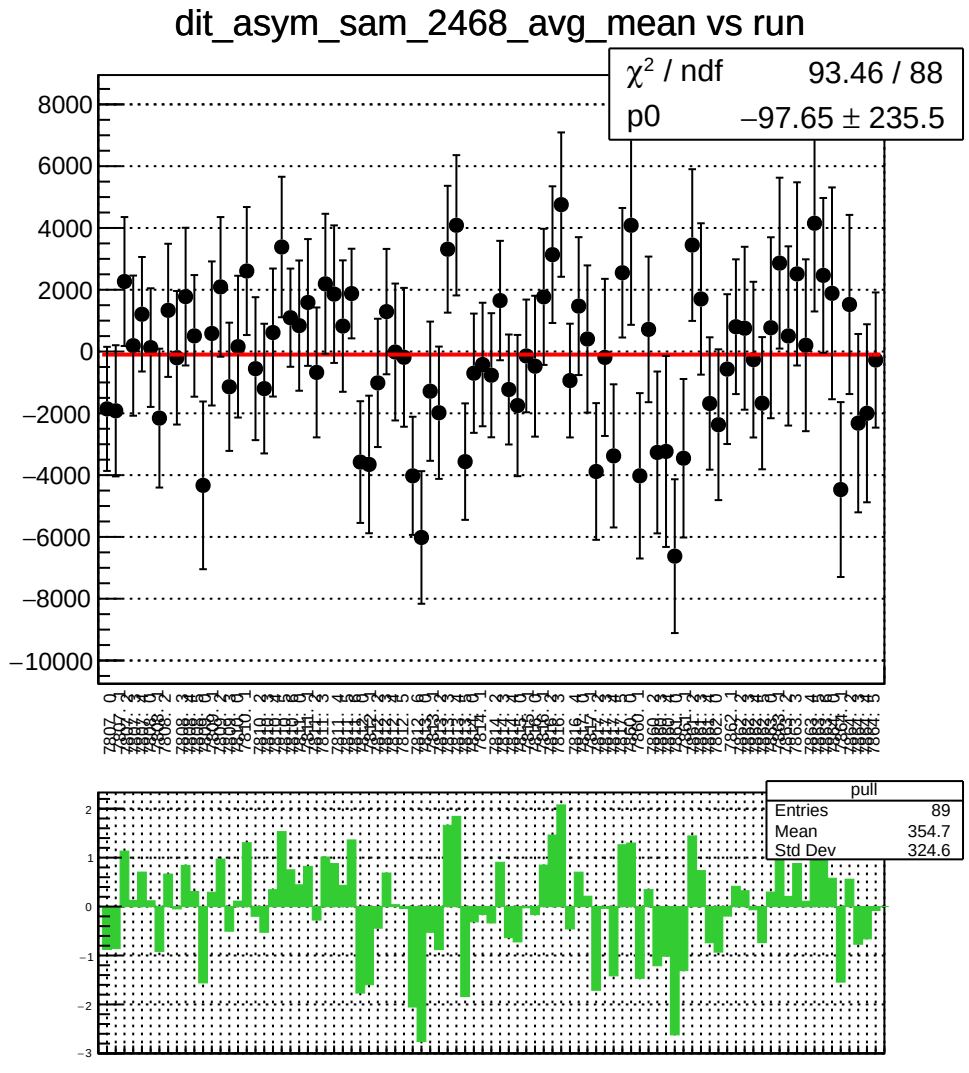

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 96.46 / 88
p0 −574.8 ± 1208
pull
Entries 89
Mean 81.35
Std Dev 29.13
pull1D
Entries 89
Mean −0.02031
Std Dev 1.041

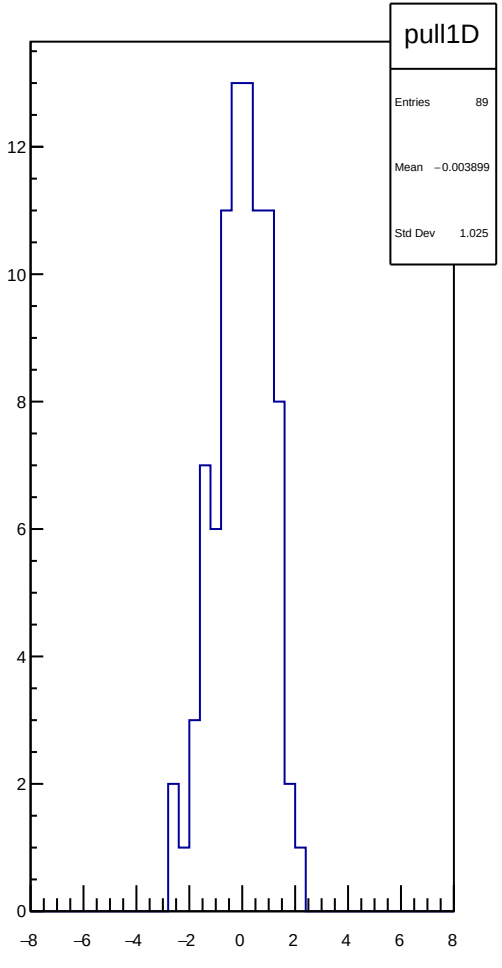

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 5264 / 88
p0 1116 ± 0.8539
1300
1250
1200
1150
1100
1050
1000
950

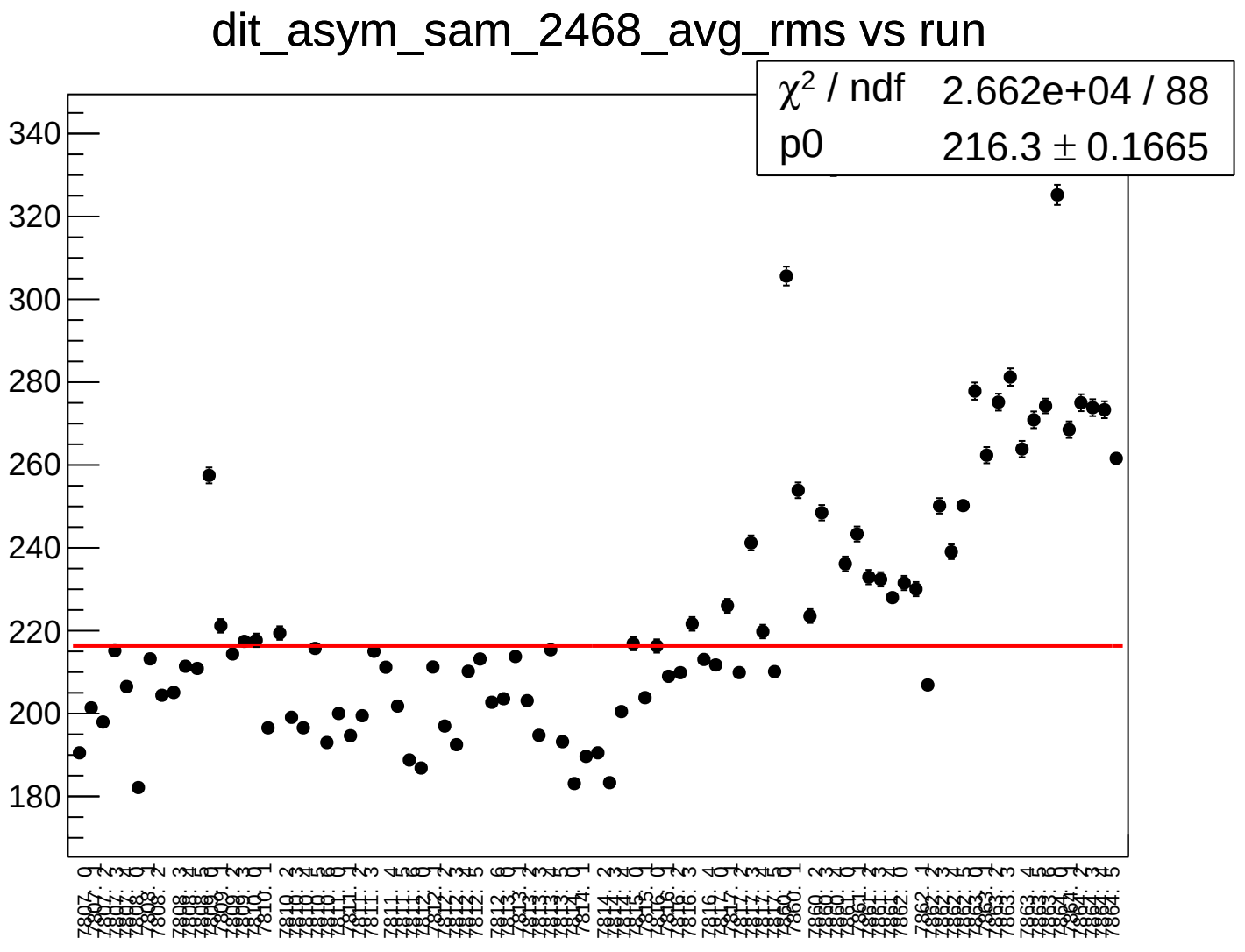

asym_sam_1357_avg_mean vs run
χ² / ndf 93.14 / 88
p0 502.2 ± 1213
pull
Entries 89
Mean 68.87
Std Dev 42.02

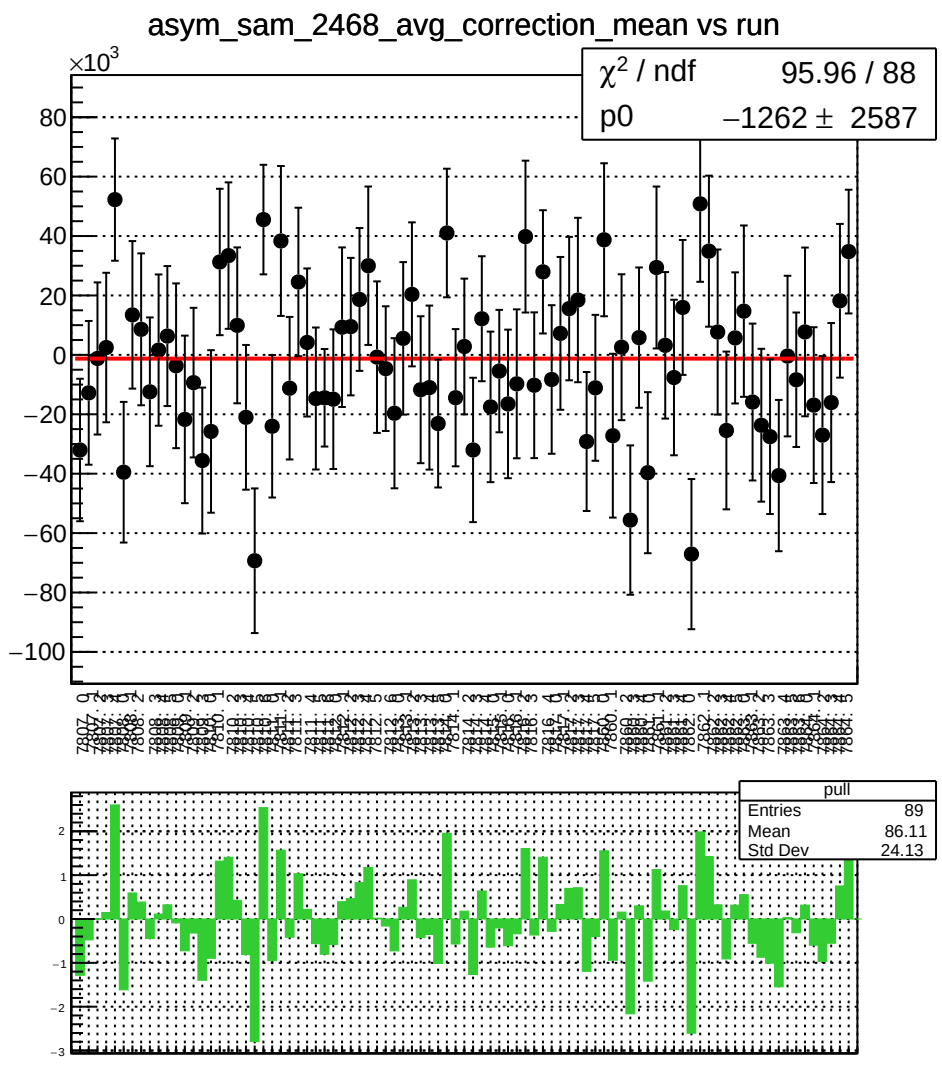

pull1D
Entries 89
Mean 0.01984
Std Dev 1.023

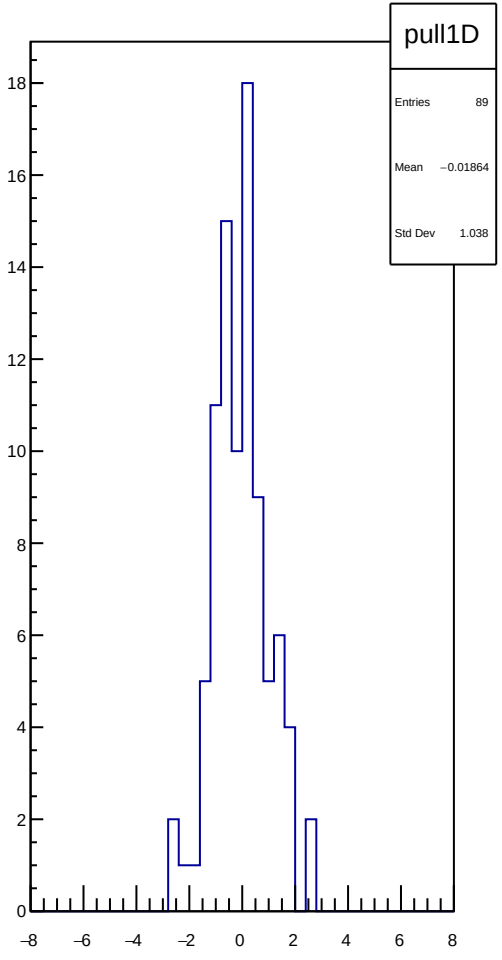

asym_sam_1357_avg_rms vs run
χ² / ndf 6300 / 88
p0 1121 ± 0.8577
1350
1300
1250
1200
1150
1100
1050
1000
950

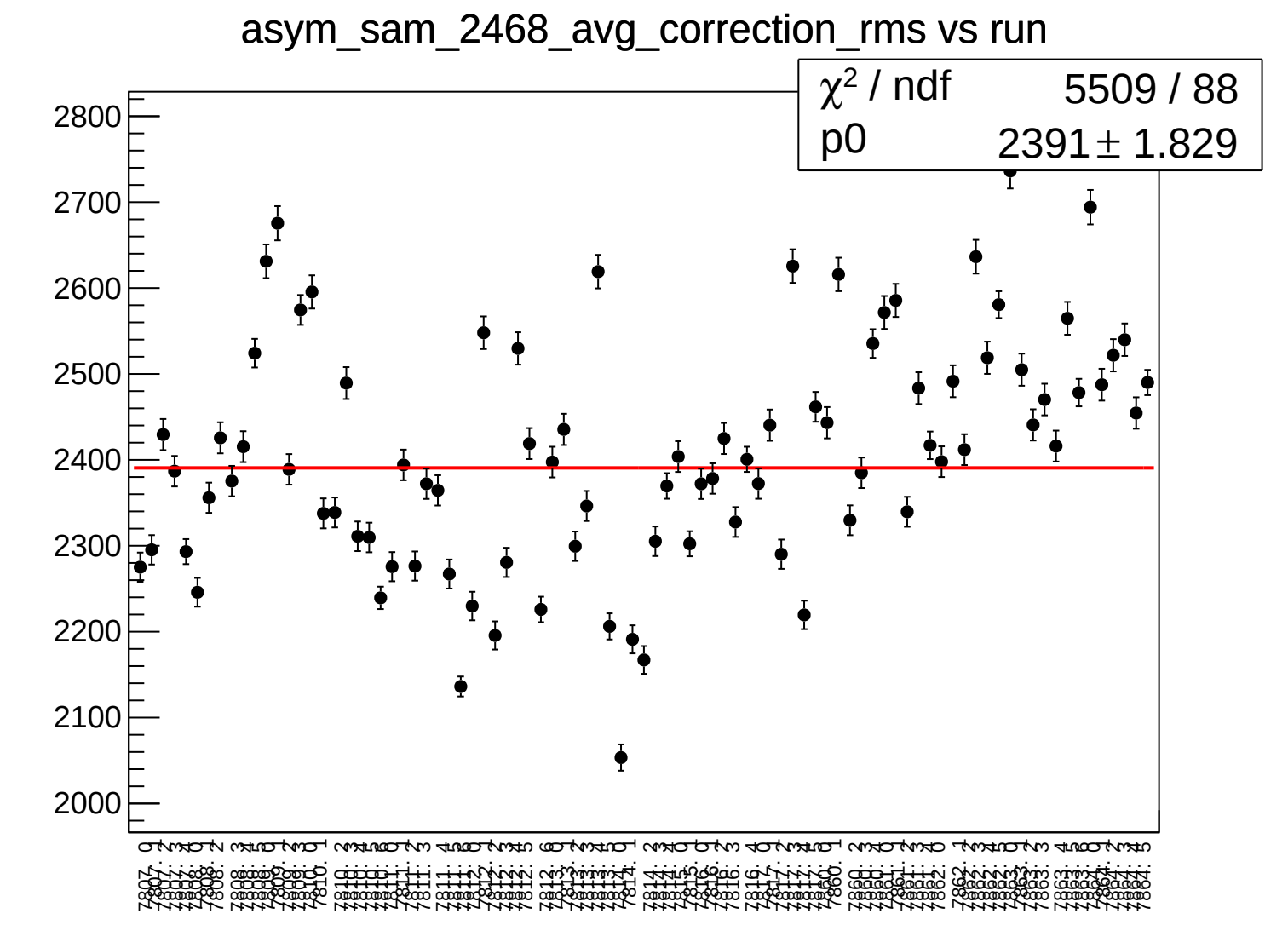

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 93.46 / 88
p0 −97.65 ± 235.5
pull
Entries 89
Mean 354.7
Std Dev 324.6

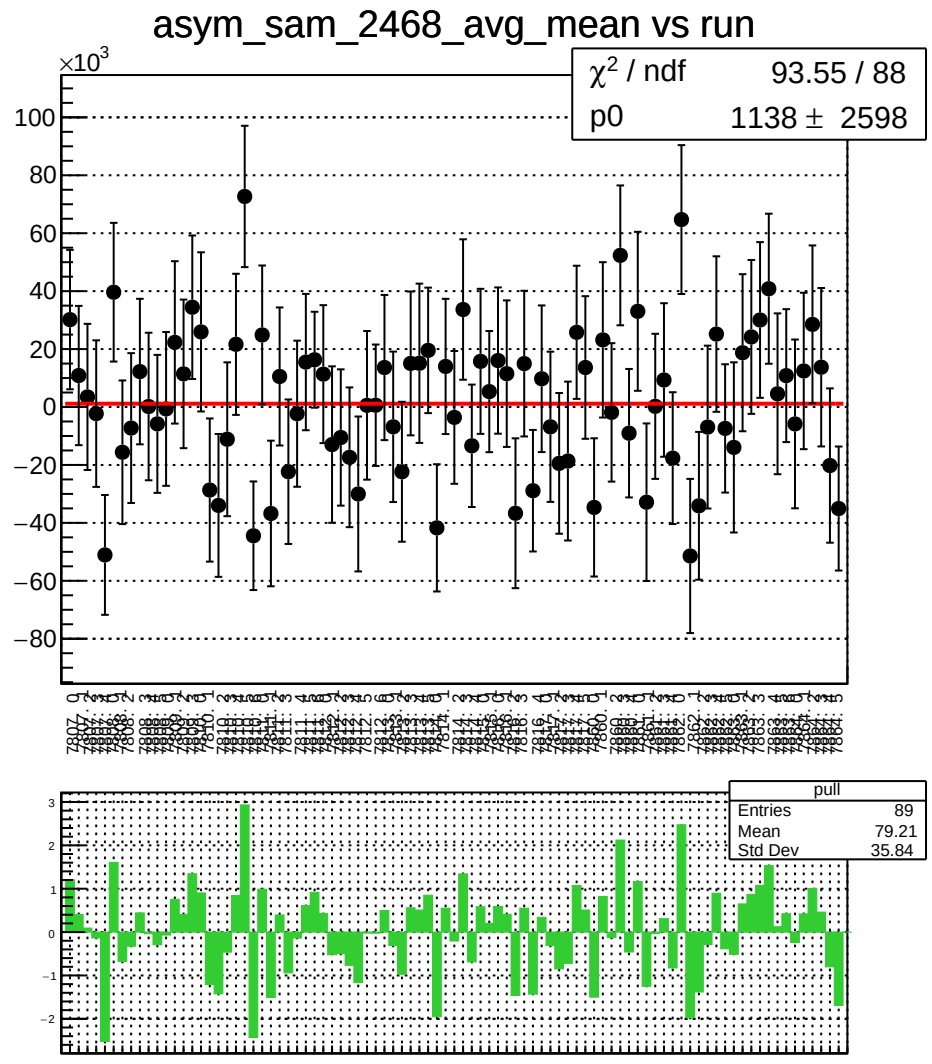

pull1D
Entries 89
Mean −0.003899
Std Dev 1.025

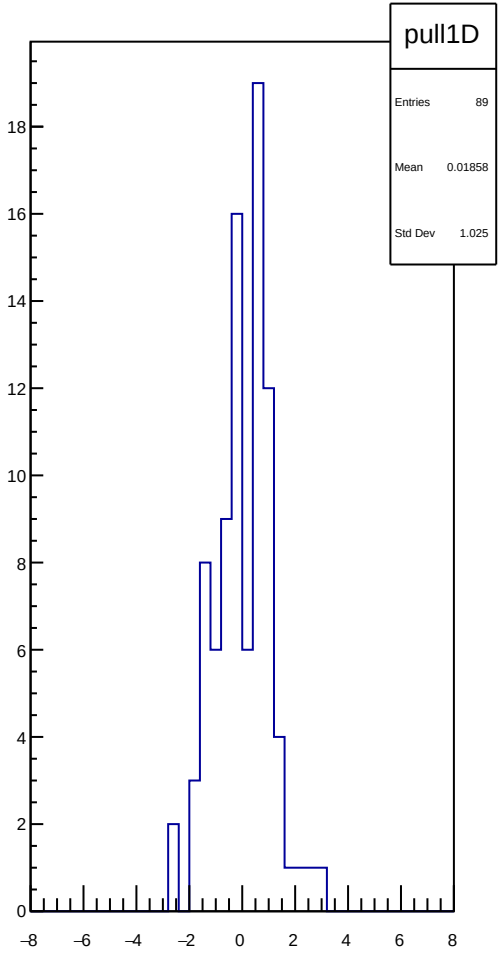

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.662e+04 / 88
p0 216.3 ± 0.1665
340
320
300
280
260
240
220
200
180

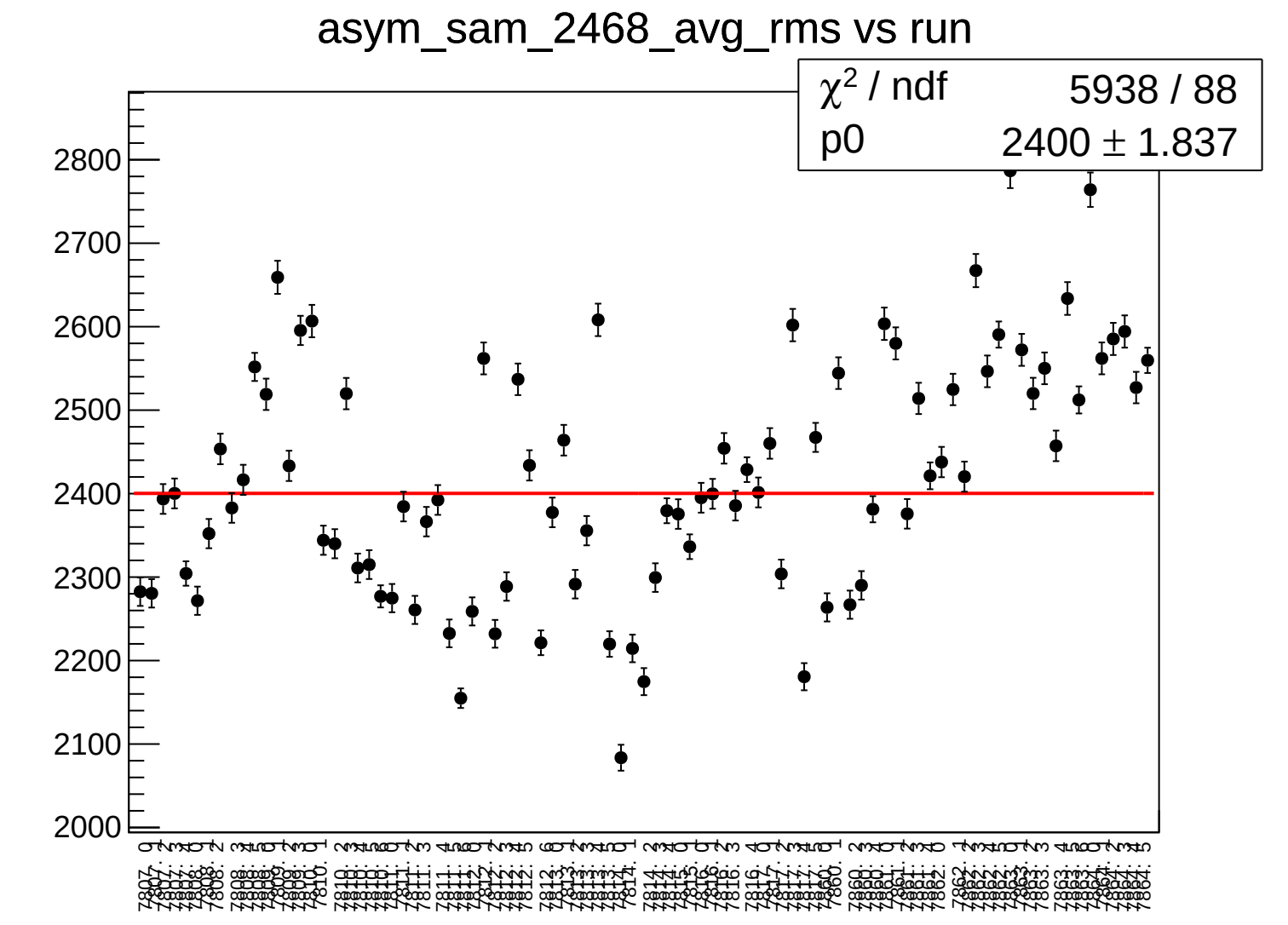

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 95.96 / 88
p0 −1262 ± 2587
pull
Entries 89
Mean 86.11
Std Dev 24.13

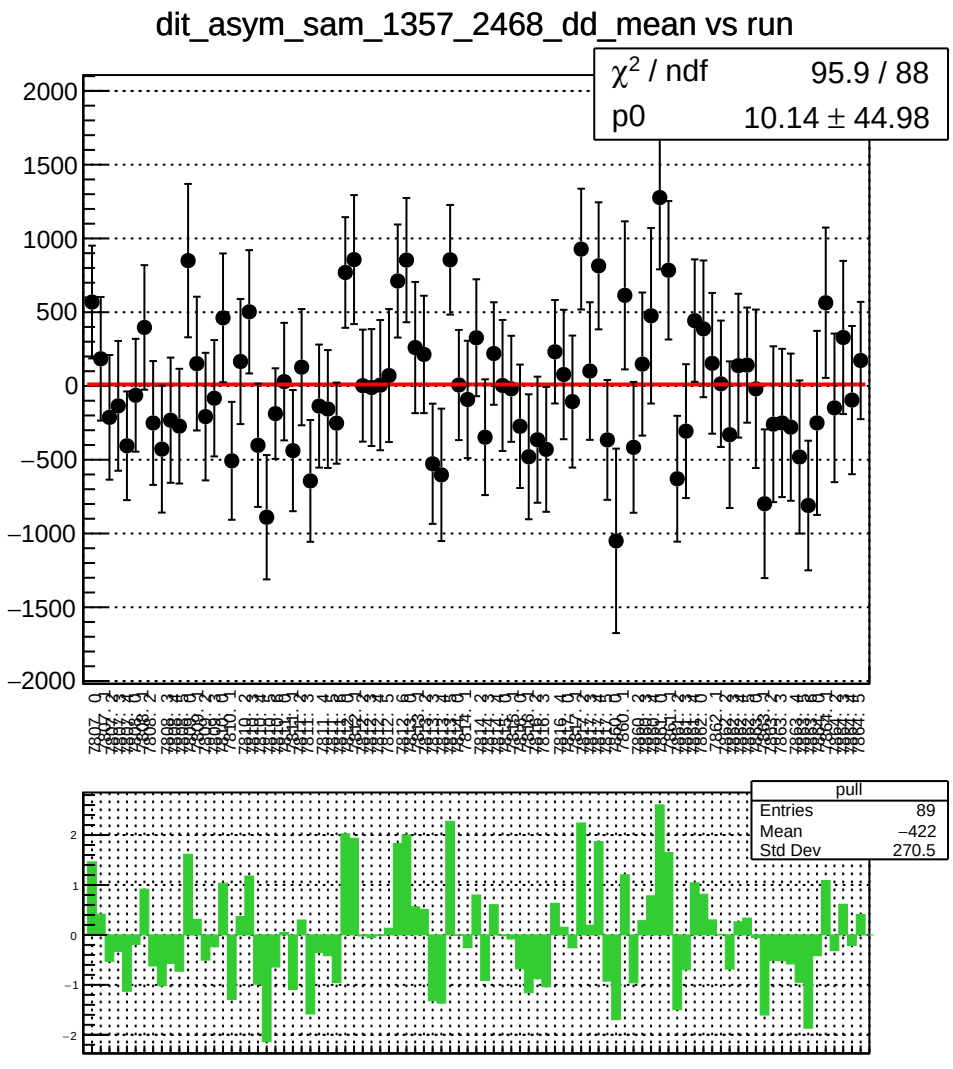

pull1D
Entries 89
Mean −0.01864
Std Dev 1.038

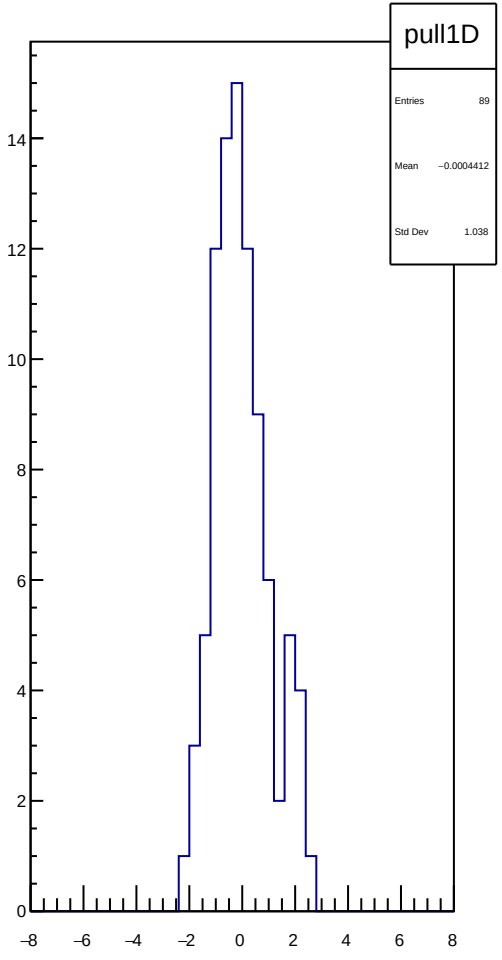

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 5509 / 88
p0 2391 ± 1.829
2800
2700
2600
2500
2400
2300
2200
2100
2000

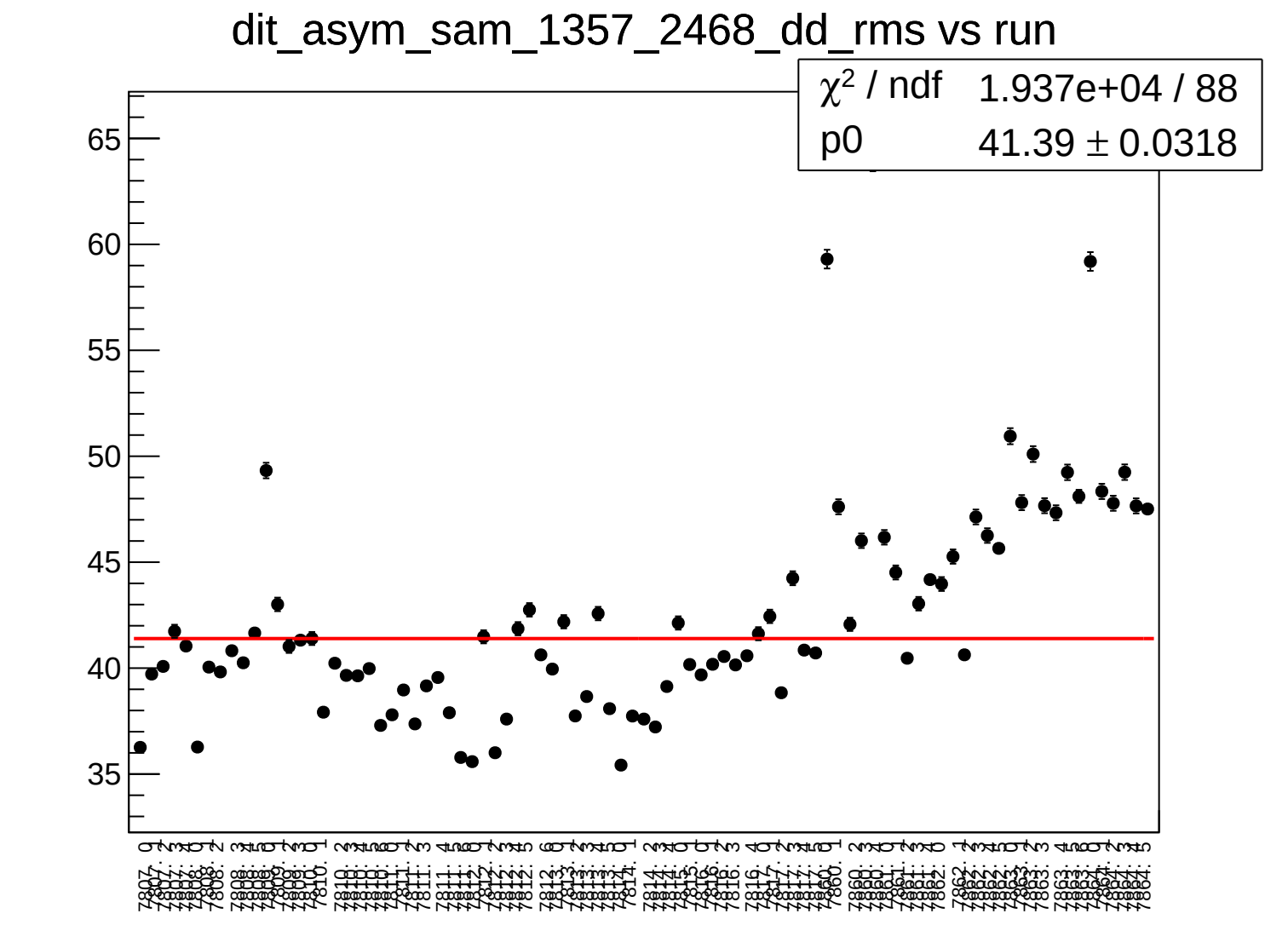

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 93.55 / 88
p0 1138 ± 2598
pull
Entries 89
Mean 79.21
Std Dev 35.84

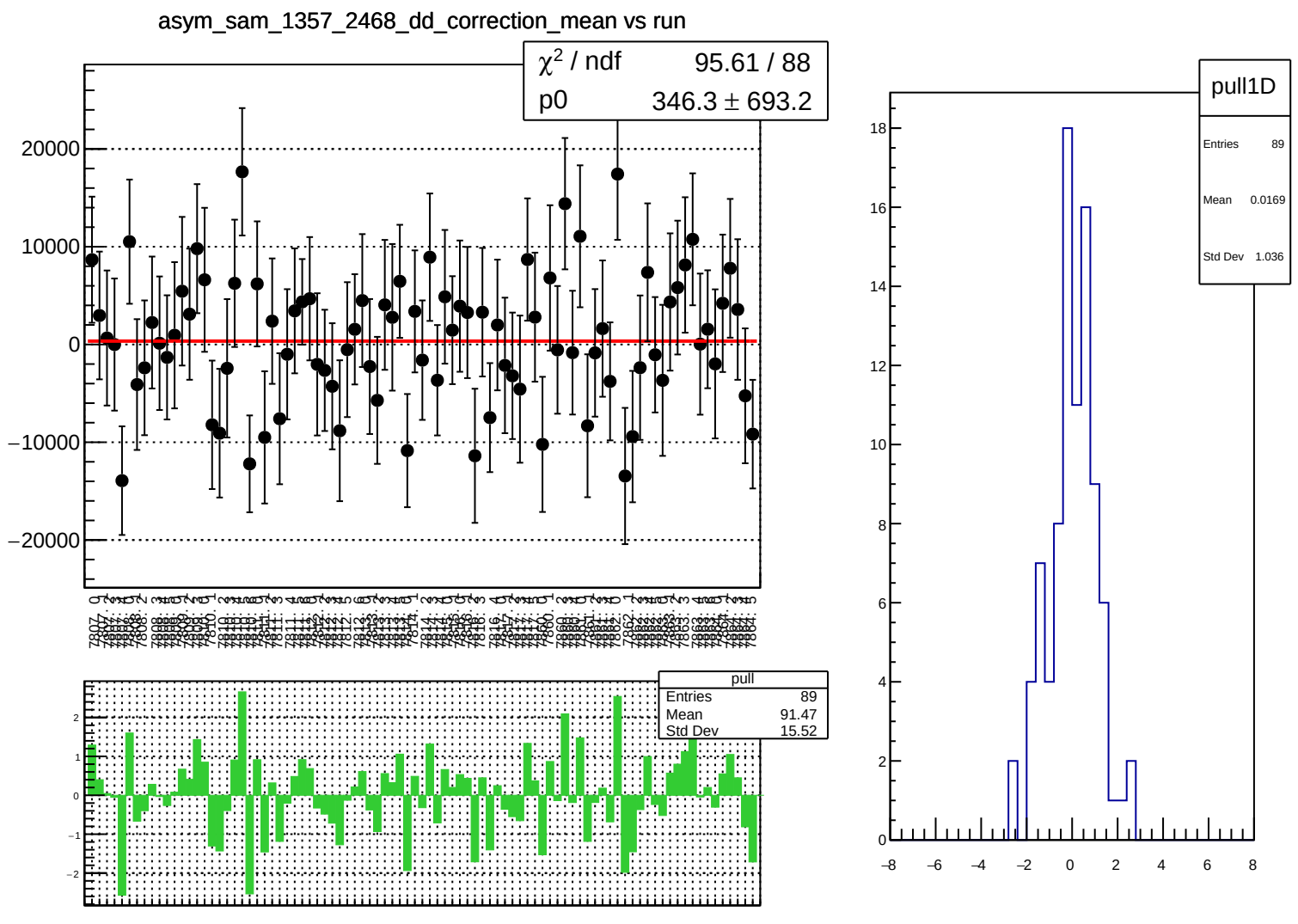

pull1D
Entries 89
Mean 0.01858
Std Dev 1.025

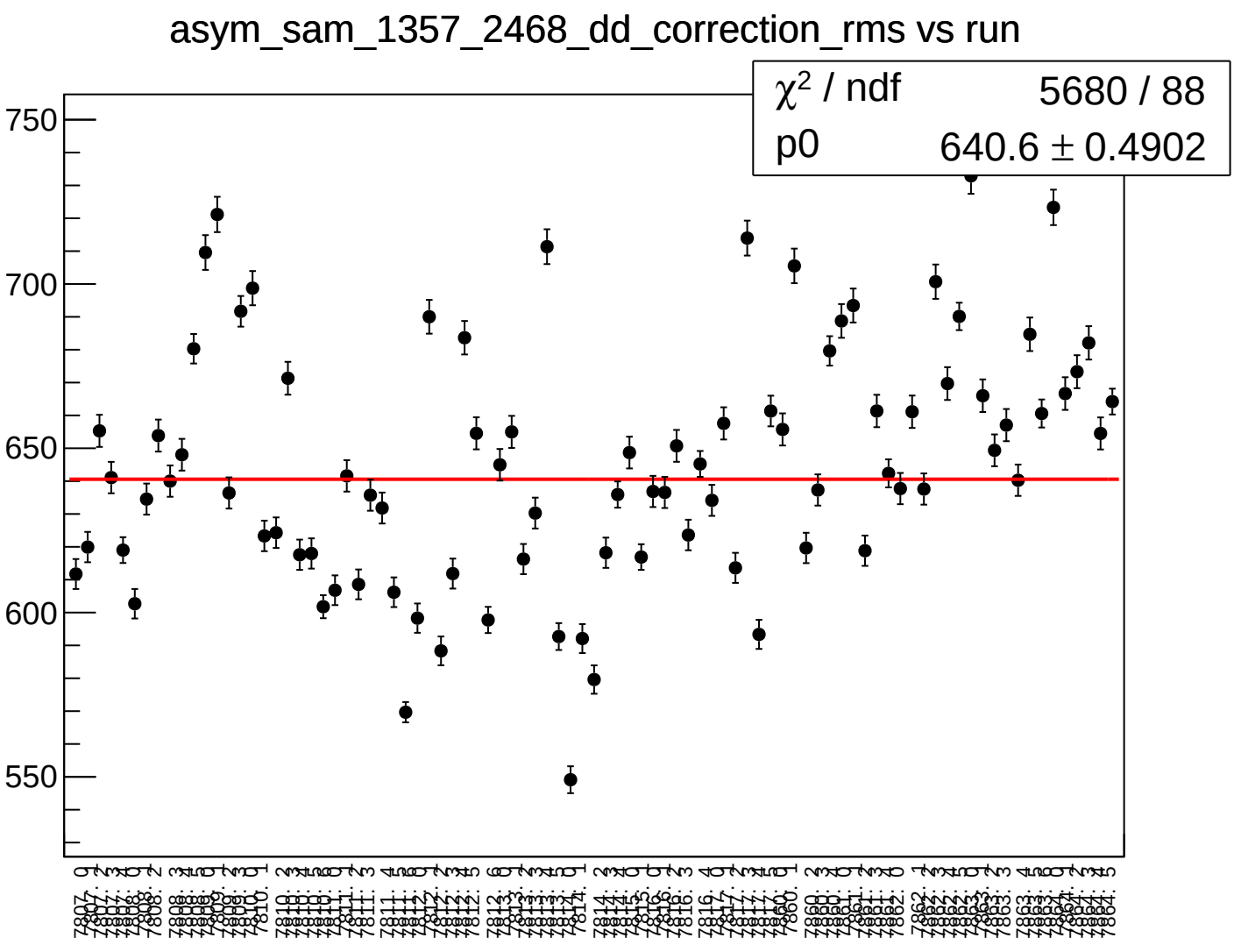

asym_sam_2468_avg_rms vs run
χ² / ndf 5938 / 88
p0 2400 ± 1.837
2800
2700
2600
2500
2400
2300
2200
2100
2000

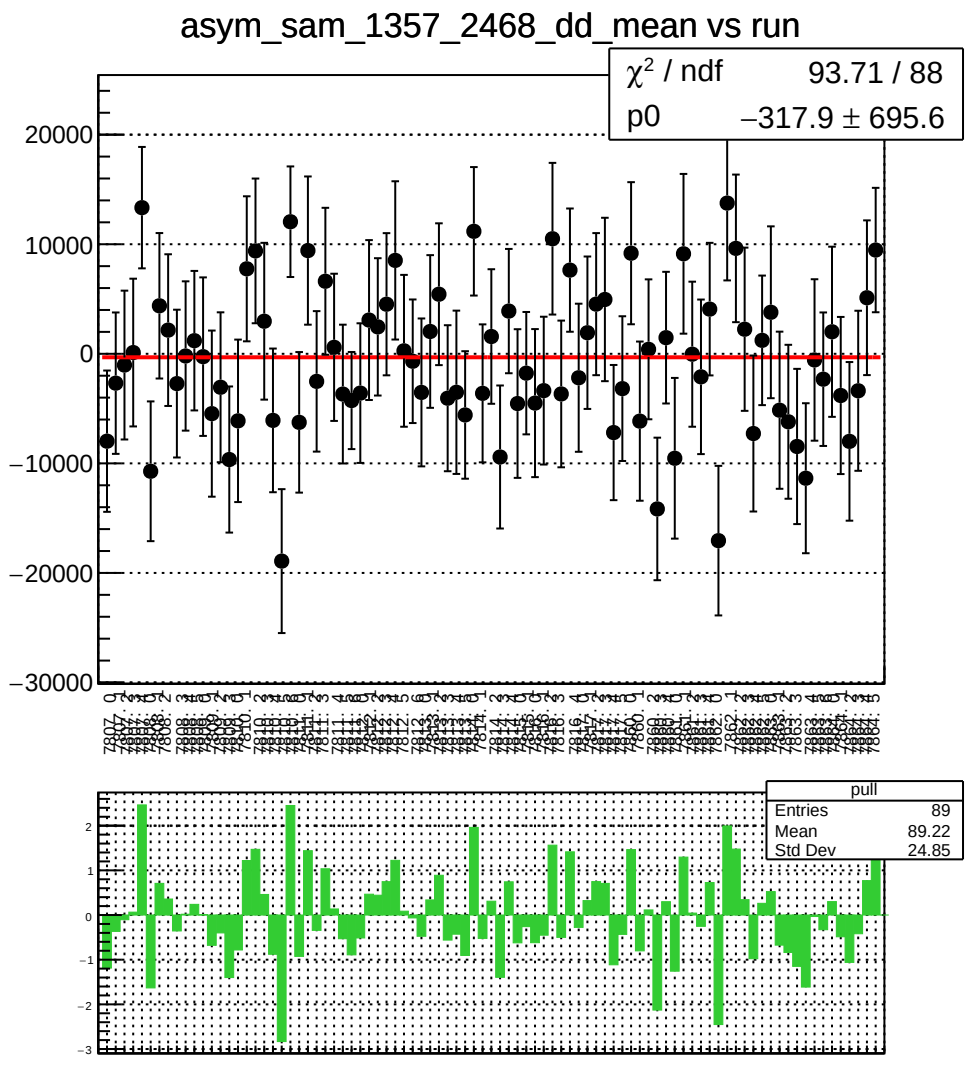

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 95.9 / 88
p0 10.14 ± 44.98
pull
Entries 89
Mean −422
Std Dev 270.5

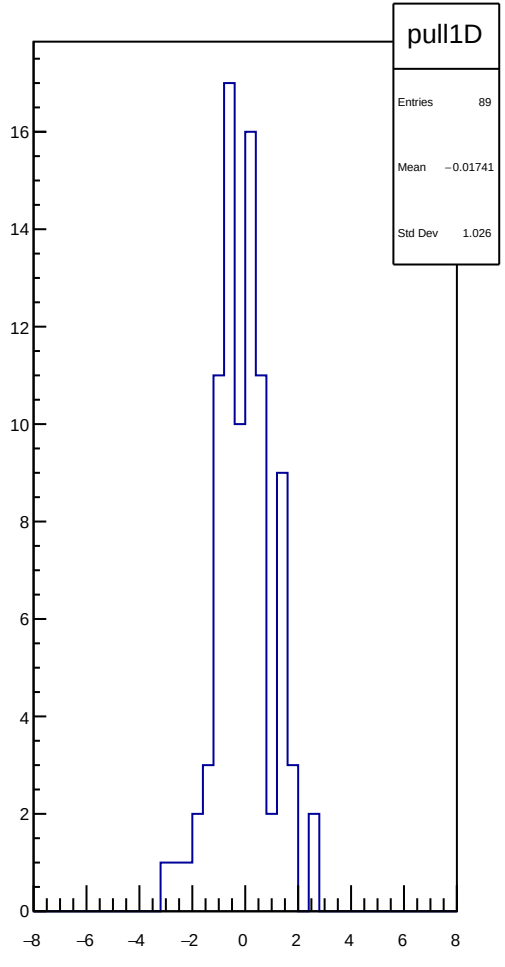

pull1D
Entries 89
Mean −0.0004412
Std Dev 1.038

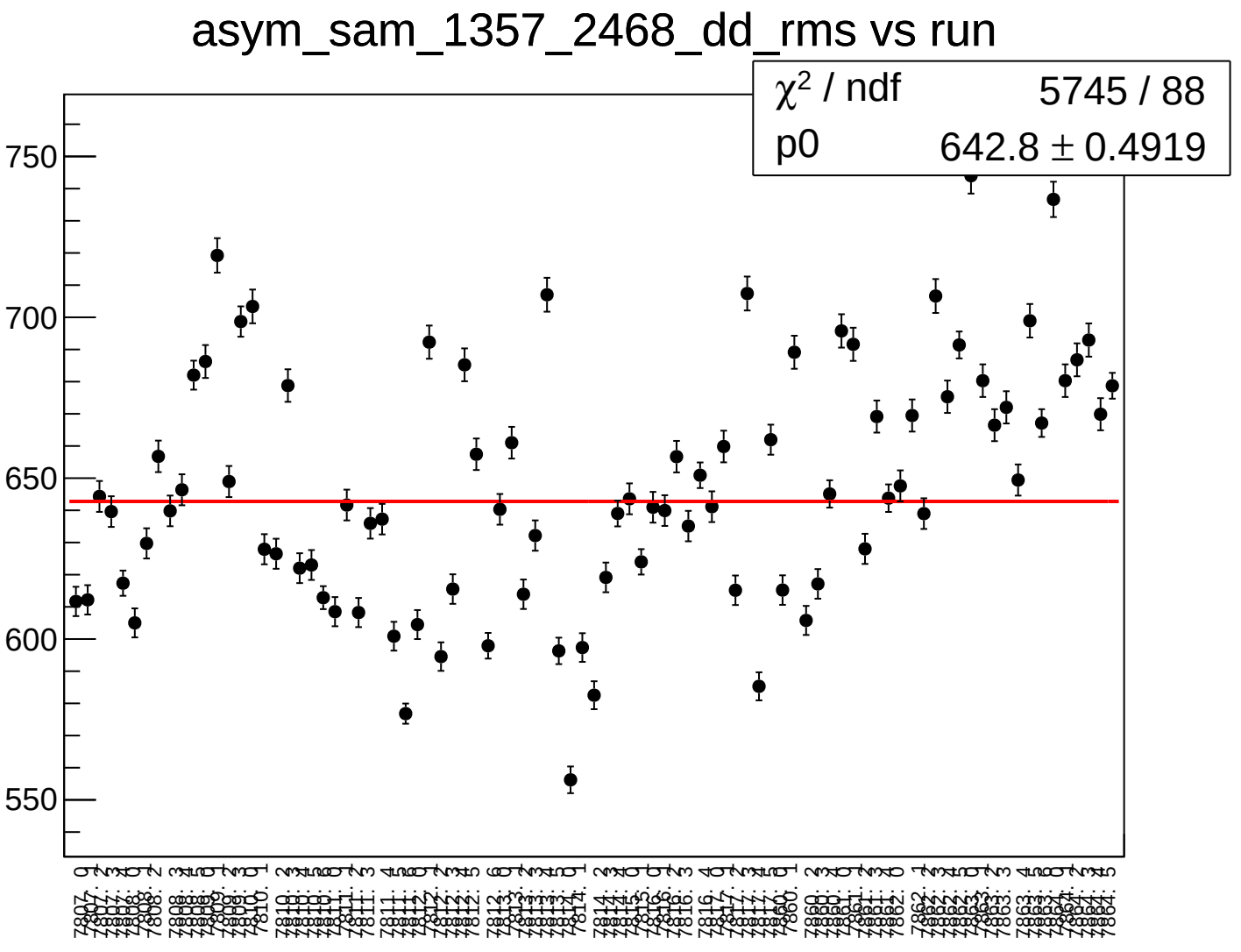

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.937e+04 / 88
p0 41.39 ± 0.0318
65
60
55
50
45
40
35

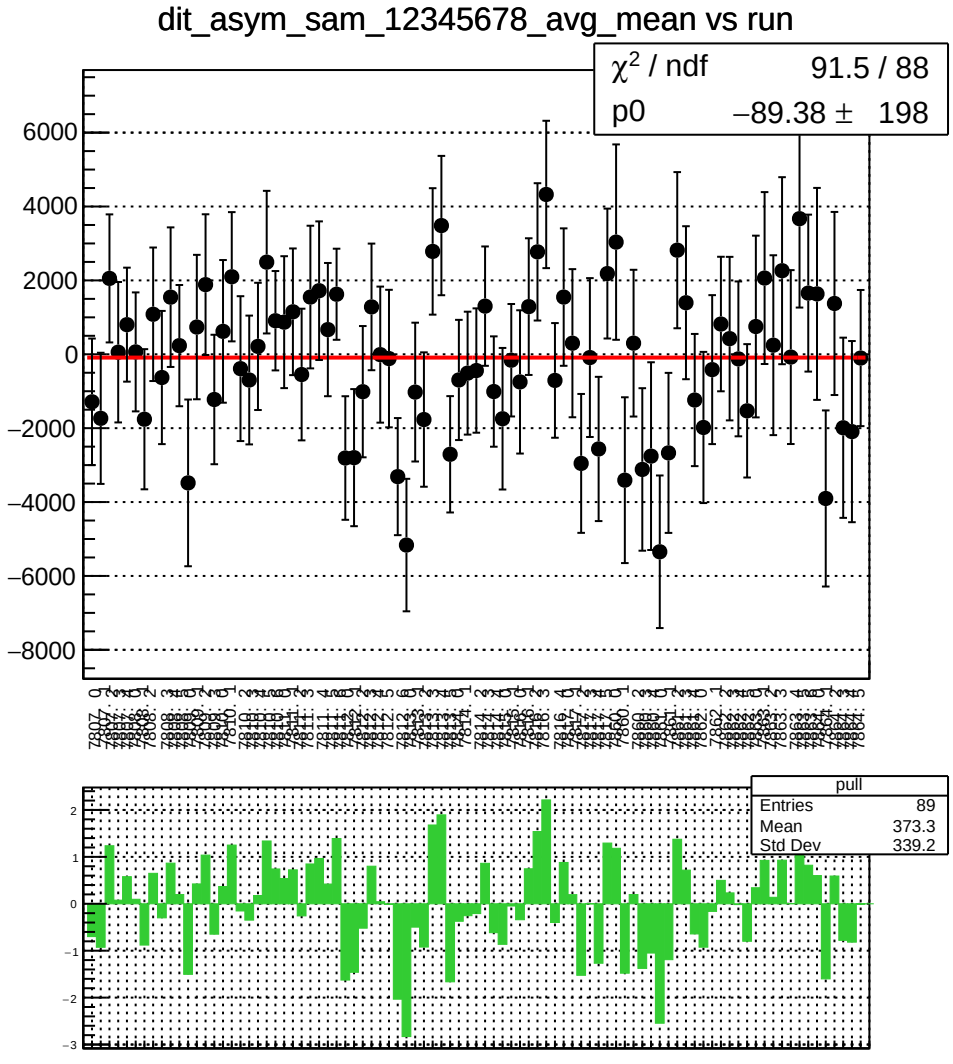

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 95.61 / 88
p0 346.3 ± 693.2
20000
10000
0
−10000
−20000
pull
Entries 89
Mean 91.47
Std Dev 15.52
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.0169
Std Dev 1.036
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

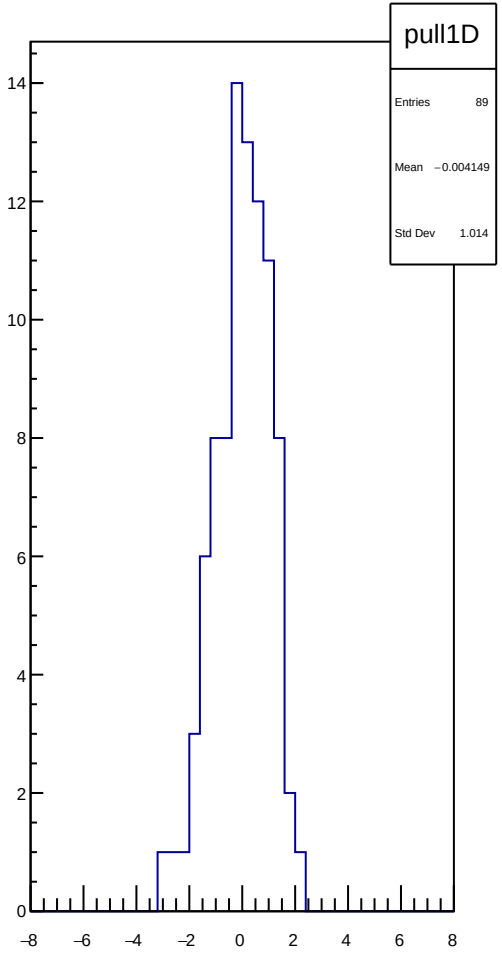

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 5680 / 88
p0 640.6 ± 0.4902
750
700
650
600
550

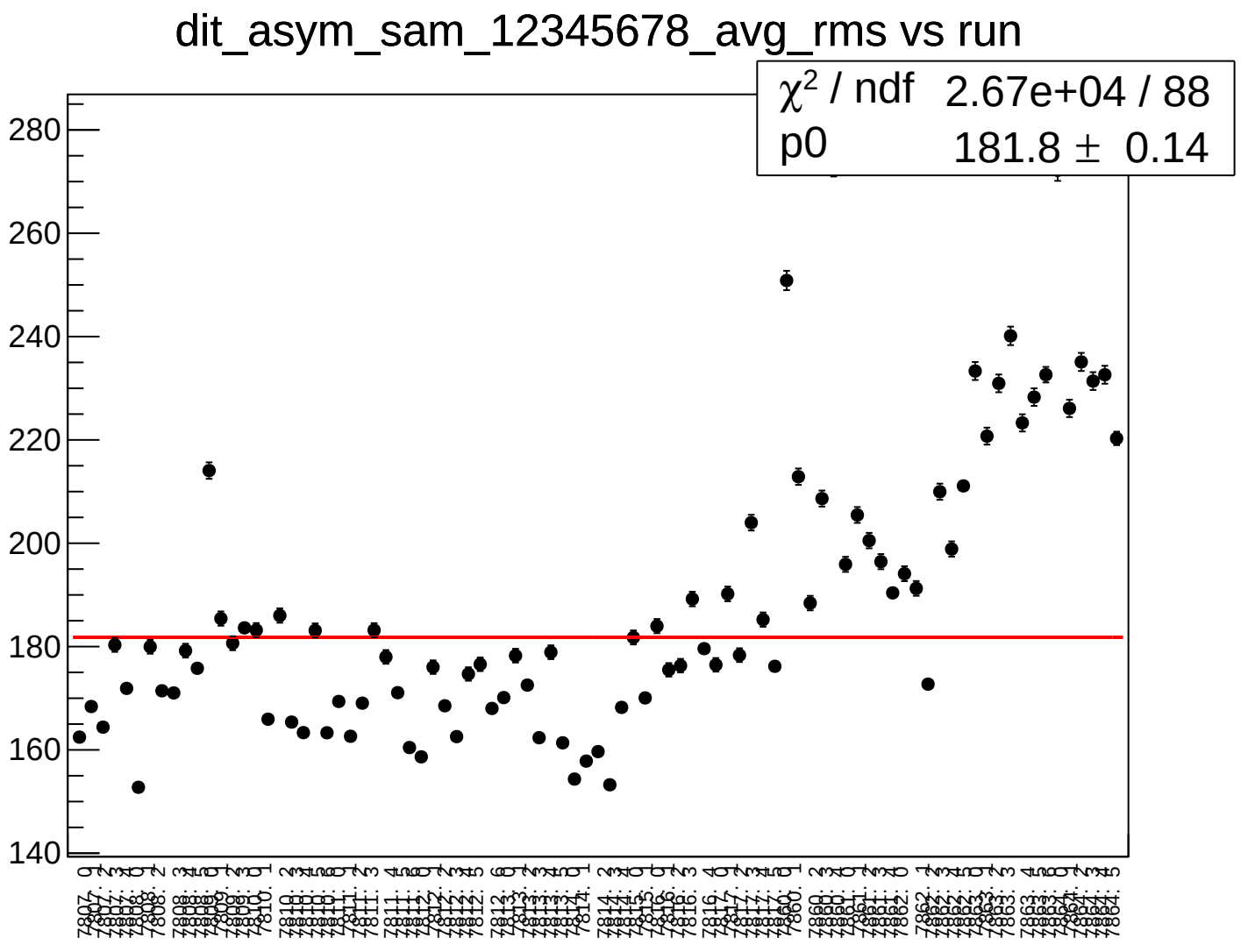

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 93.71 / 88
p0 −317.9 ± 695.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean 89.22
Std Dev 24.85
2
1
0
−1
−2
−3

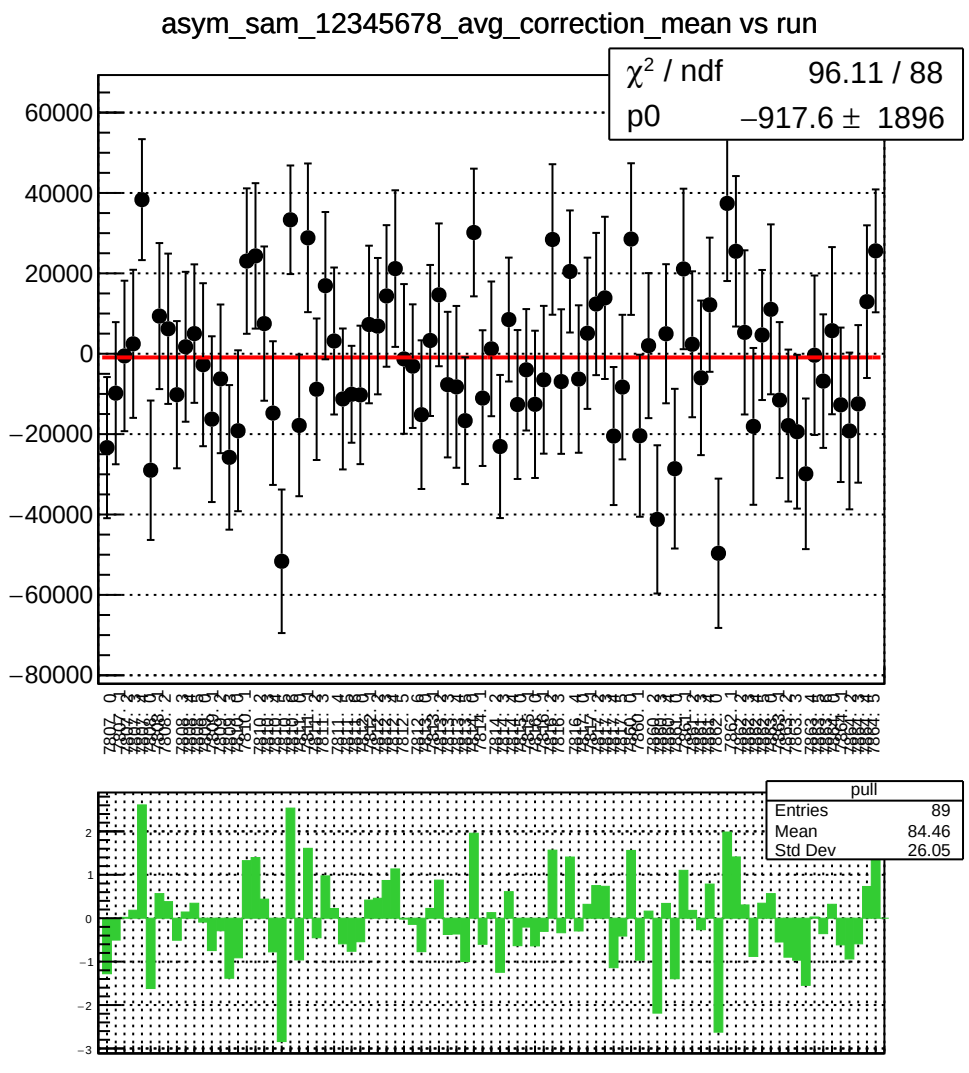

pull1D
Entries 89
Mean −0.01741
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

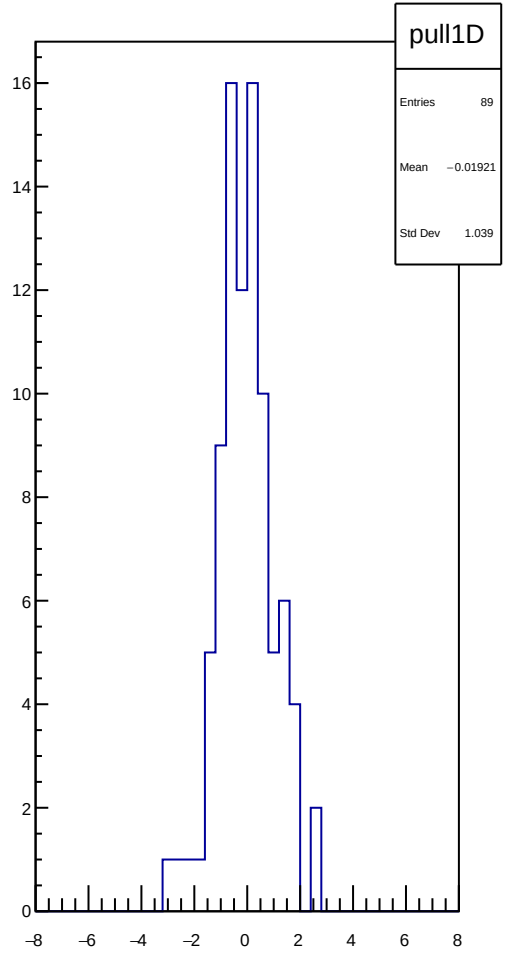

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5745 / 88
p0 642.8 ± 0.4919
750
700
650
600
550

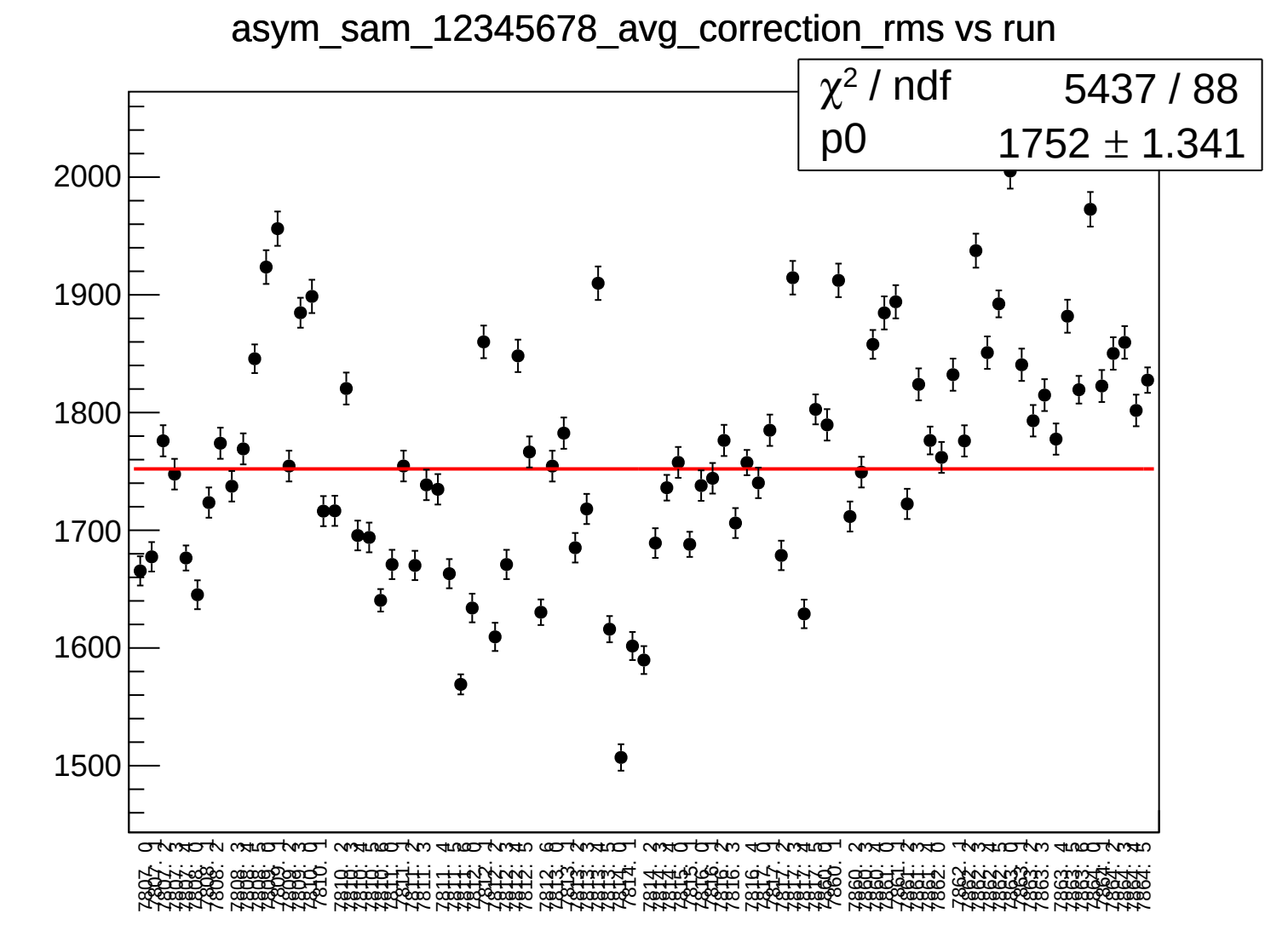

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 91.5 / 88
p0 −89.38 ± 198
pull
Entries 89
Mean 373.3
Std Dev 339.2

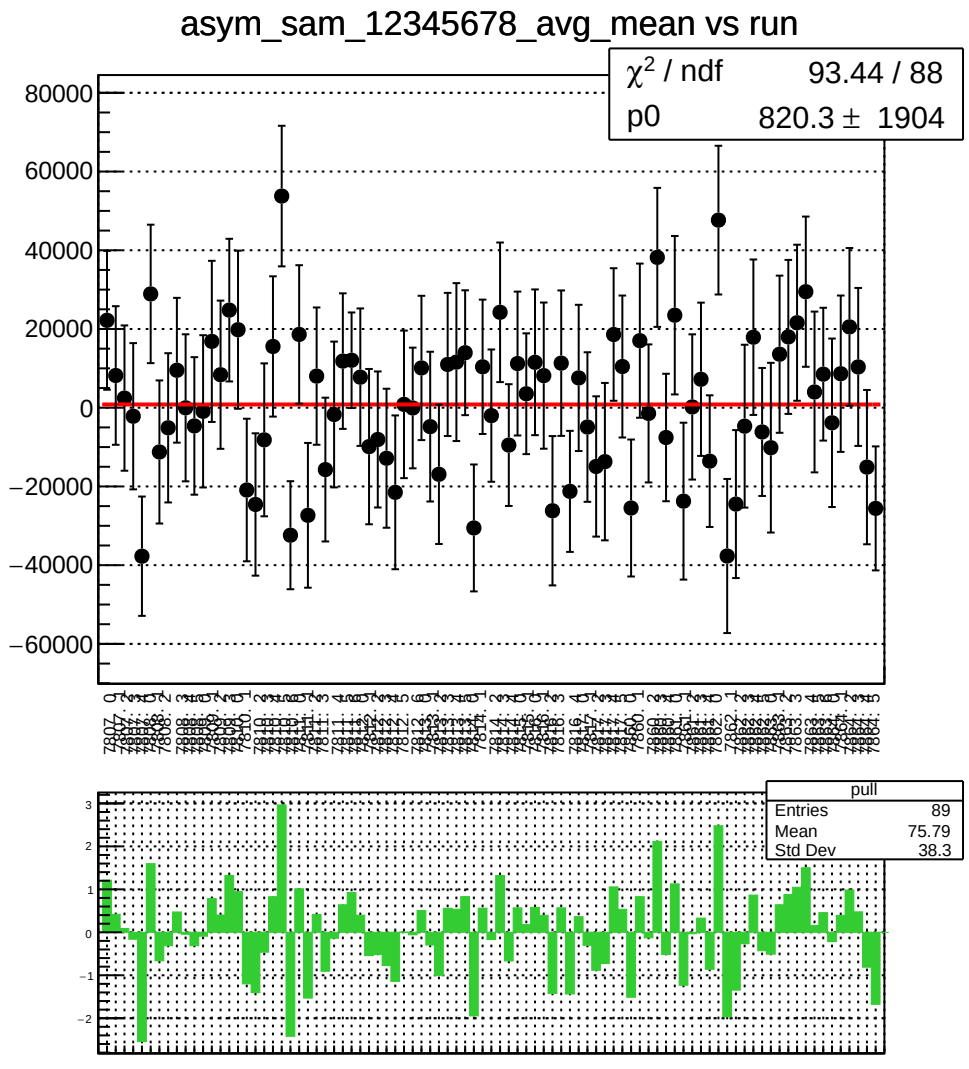

pull1D
Entries 89
Mean −0.004149
Std Dev 1.014

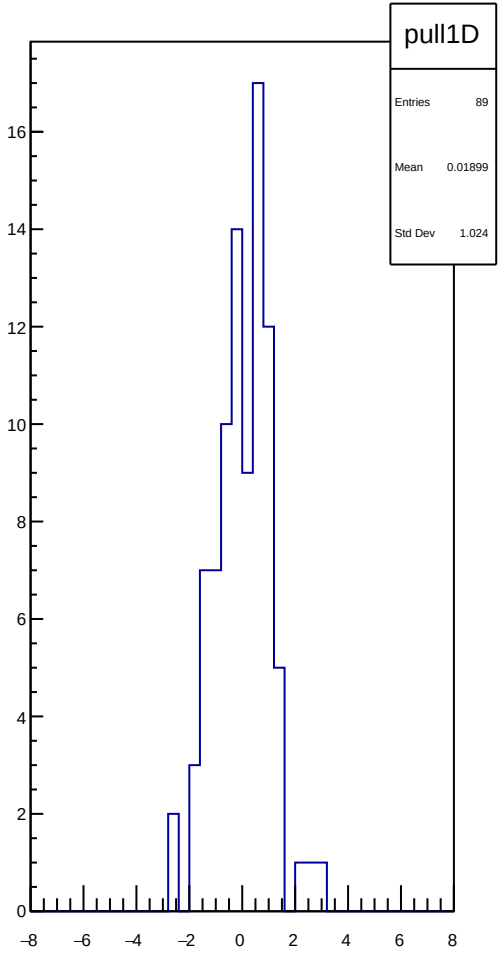

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.67e+04 / 88
p0 181.8 ± 0.14
280
260
240
220
200
180
160
140

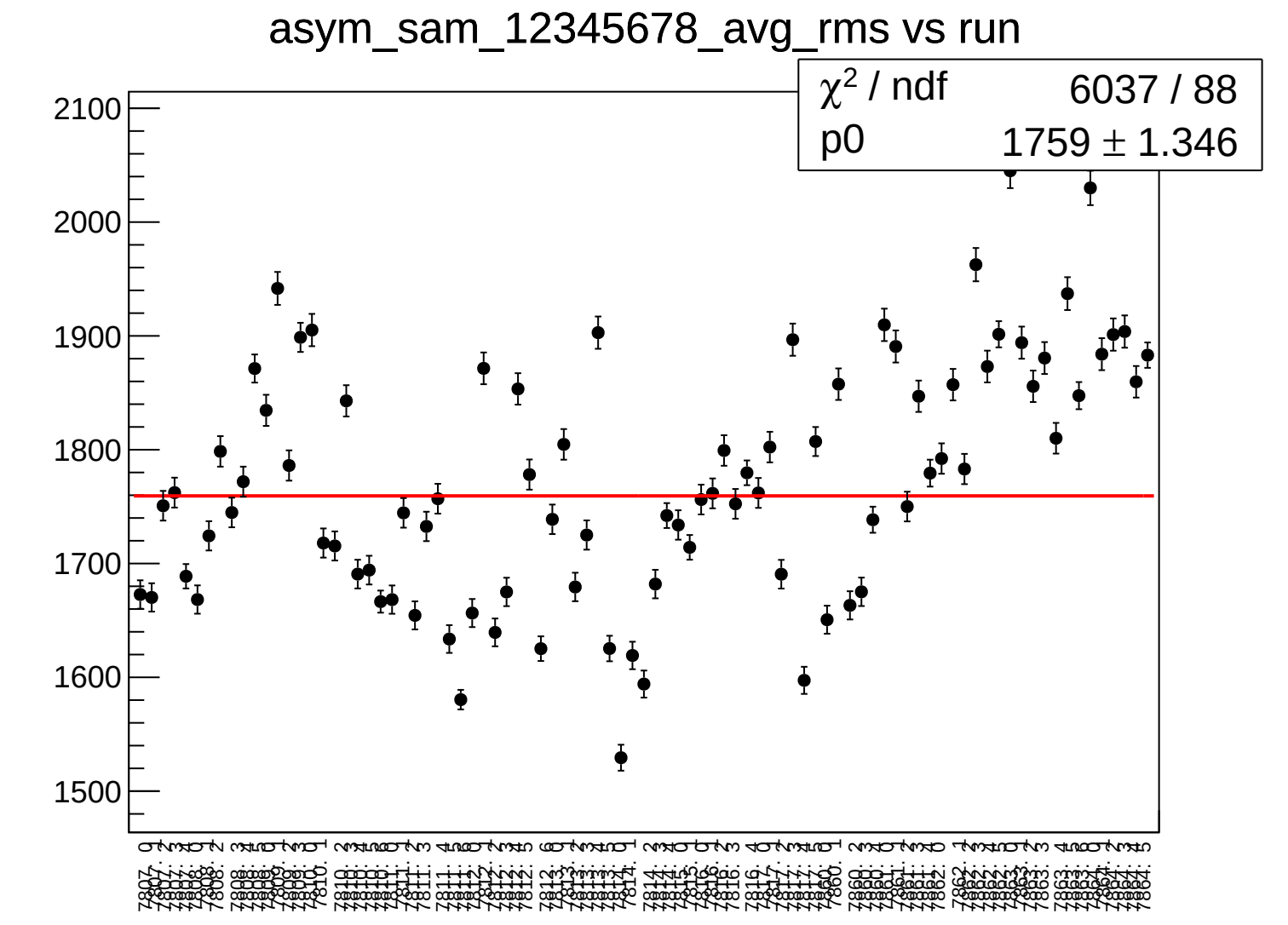

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 96.11 / 88
p0 −917.6 ± 1896
pull
Entries 89
Mean 84.46
Std Dev 26.05

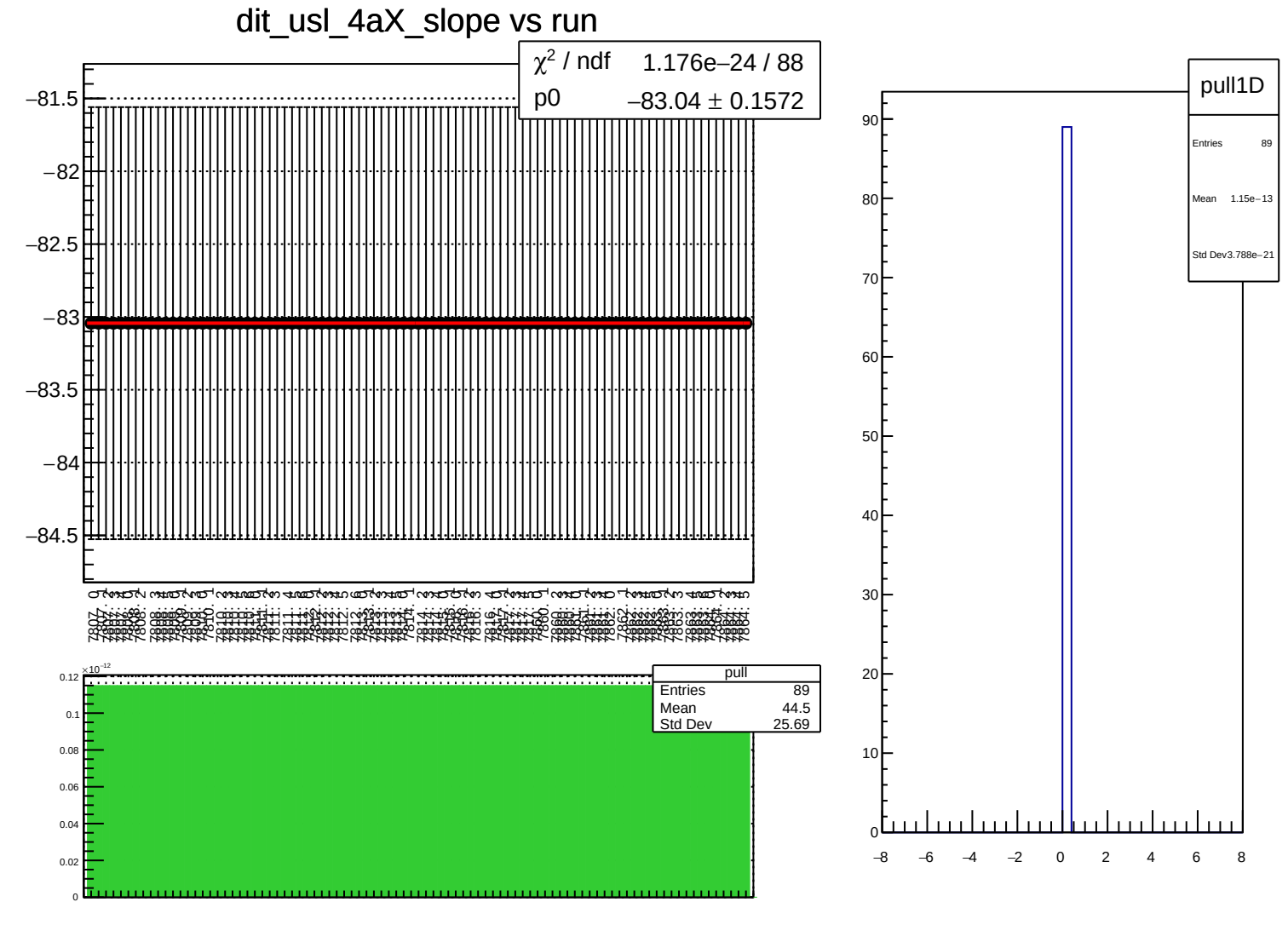

pull1D
Entries 89
Mean −0.01921
Std Dev 1.039

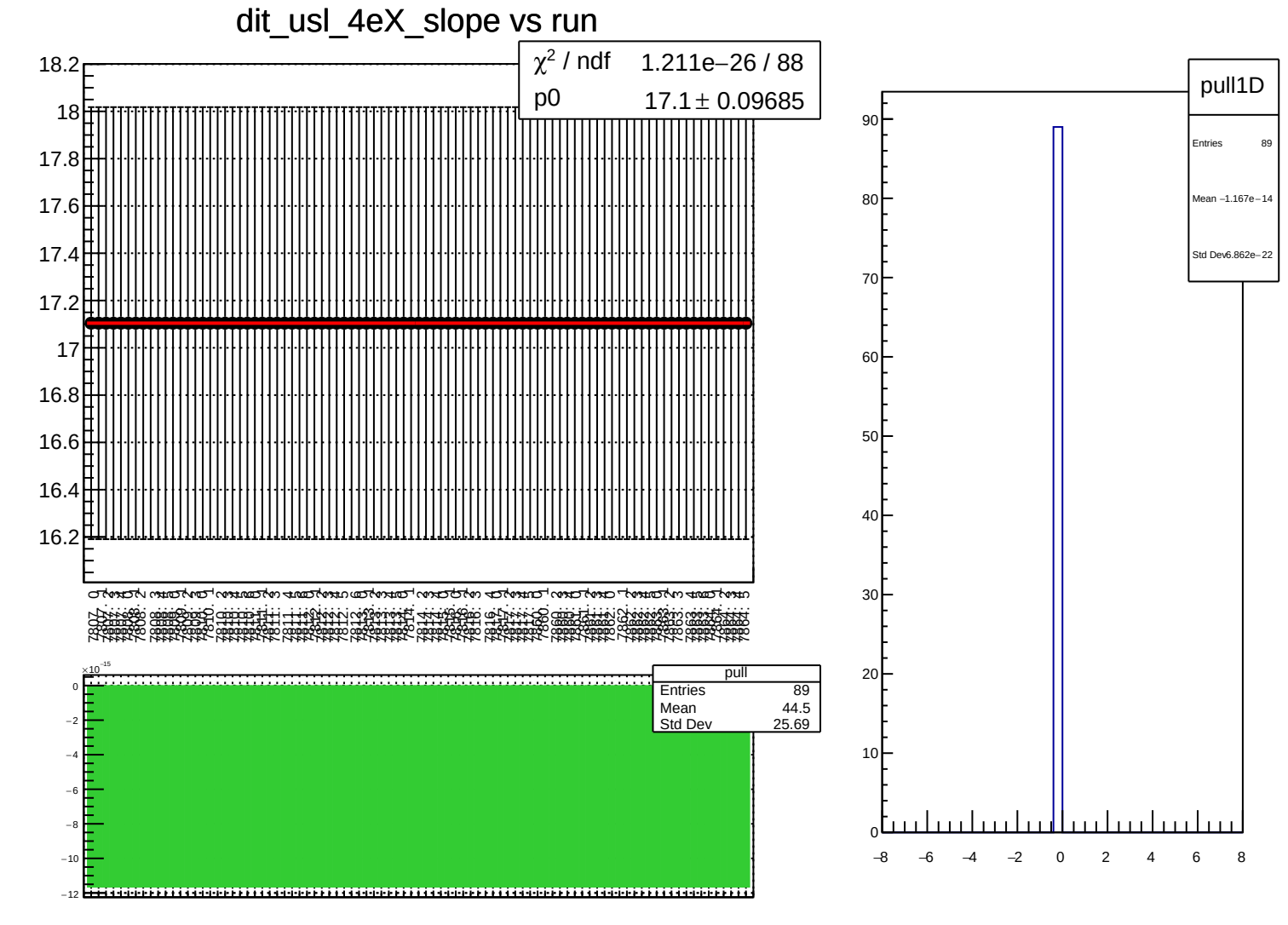

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 5437 / 88
p0 1752 ± 1.341
2000
1900
1800
1700
1600
1500

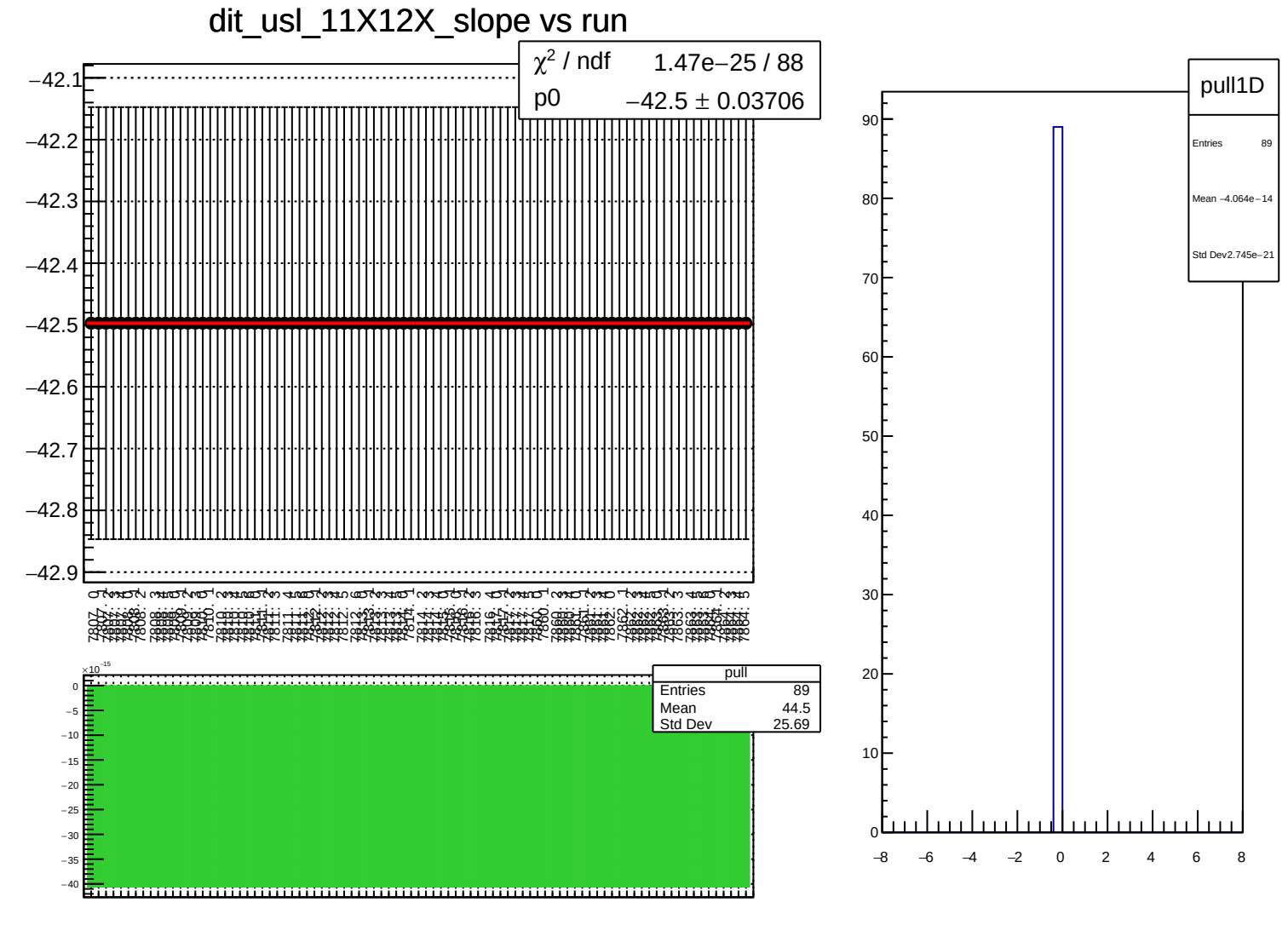

asym_sam_12345678_avg_mean vs run
χ² / ndf 93.44 / 88
p0 820.3 ± 1904
pull
Entries 89
Mean 75.79
Std Dev 38.3

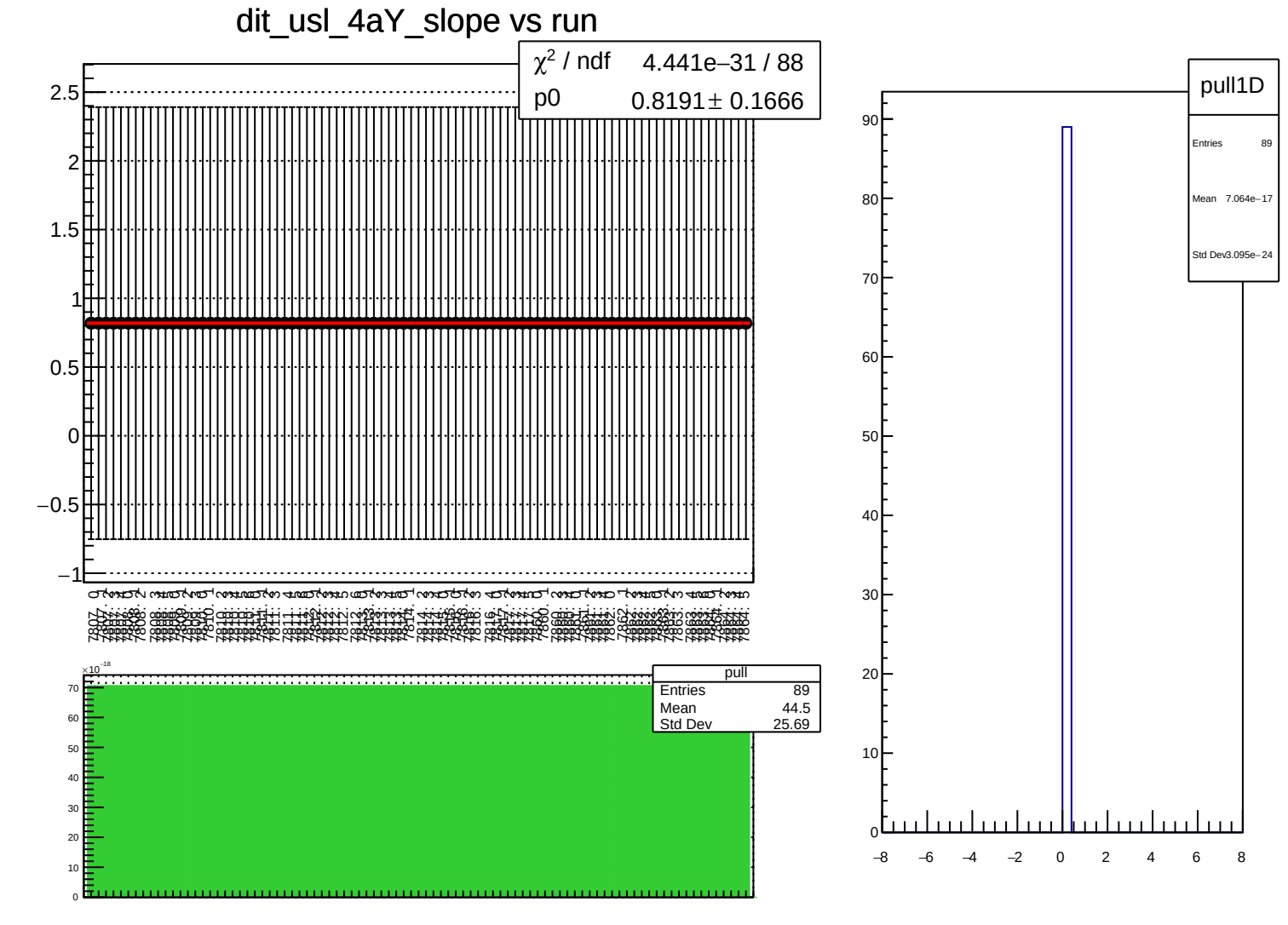

pull1D
Entries 89
Mean 0.01899
Std Dev 1.024

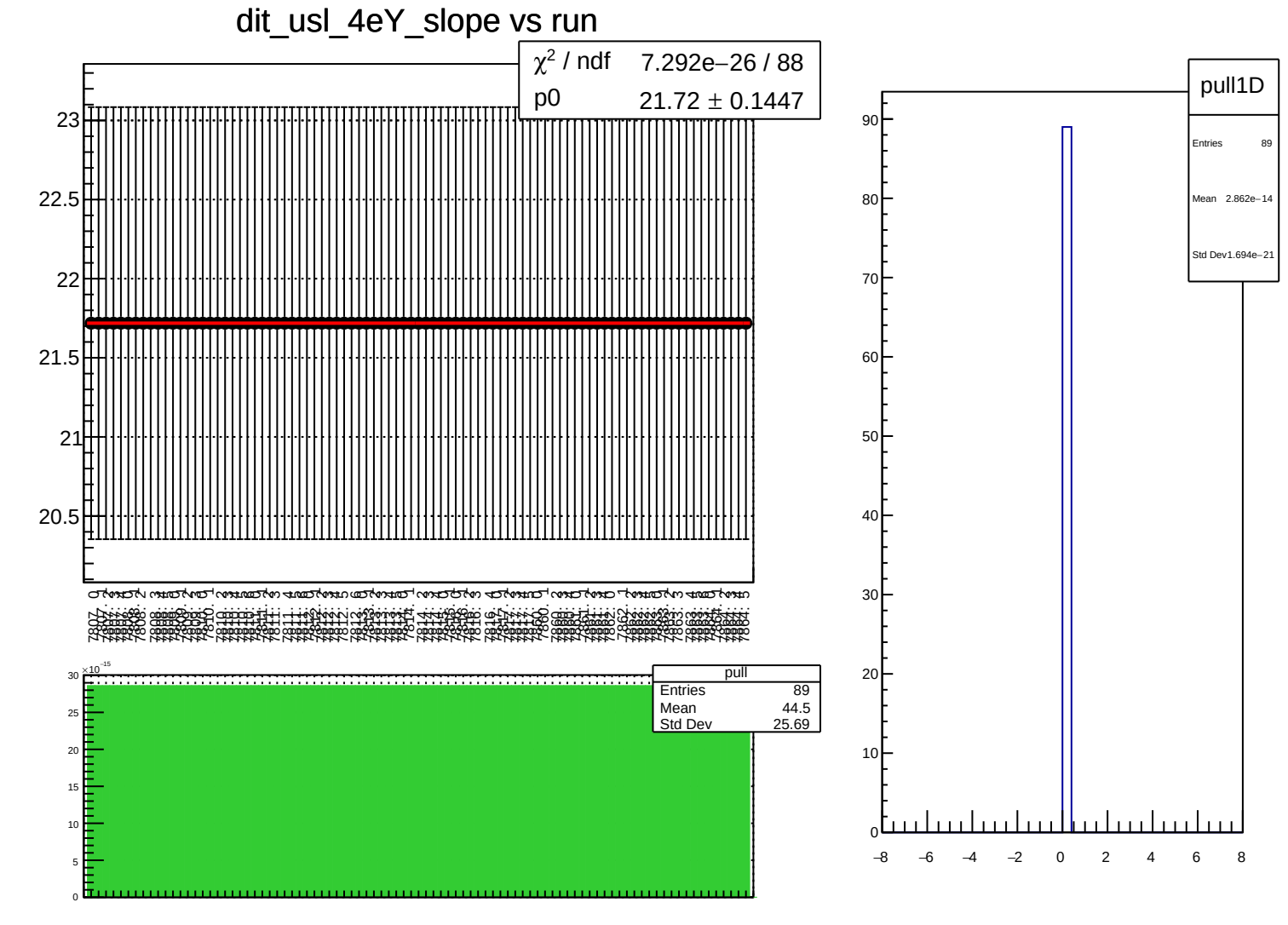

asym_sam_12345678_avg_rms vs run
χ² / ndf 6037 / 88
p0 1759 ± 1.346
2100
2000
1900
1800
1700
1600
1500

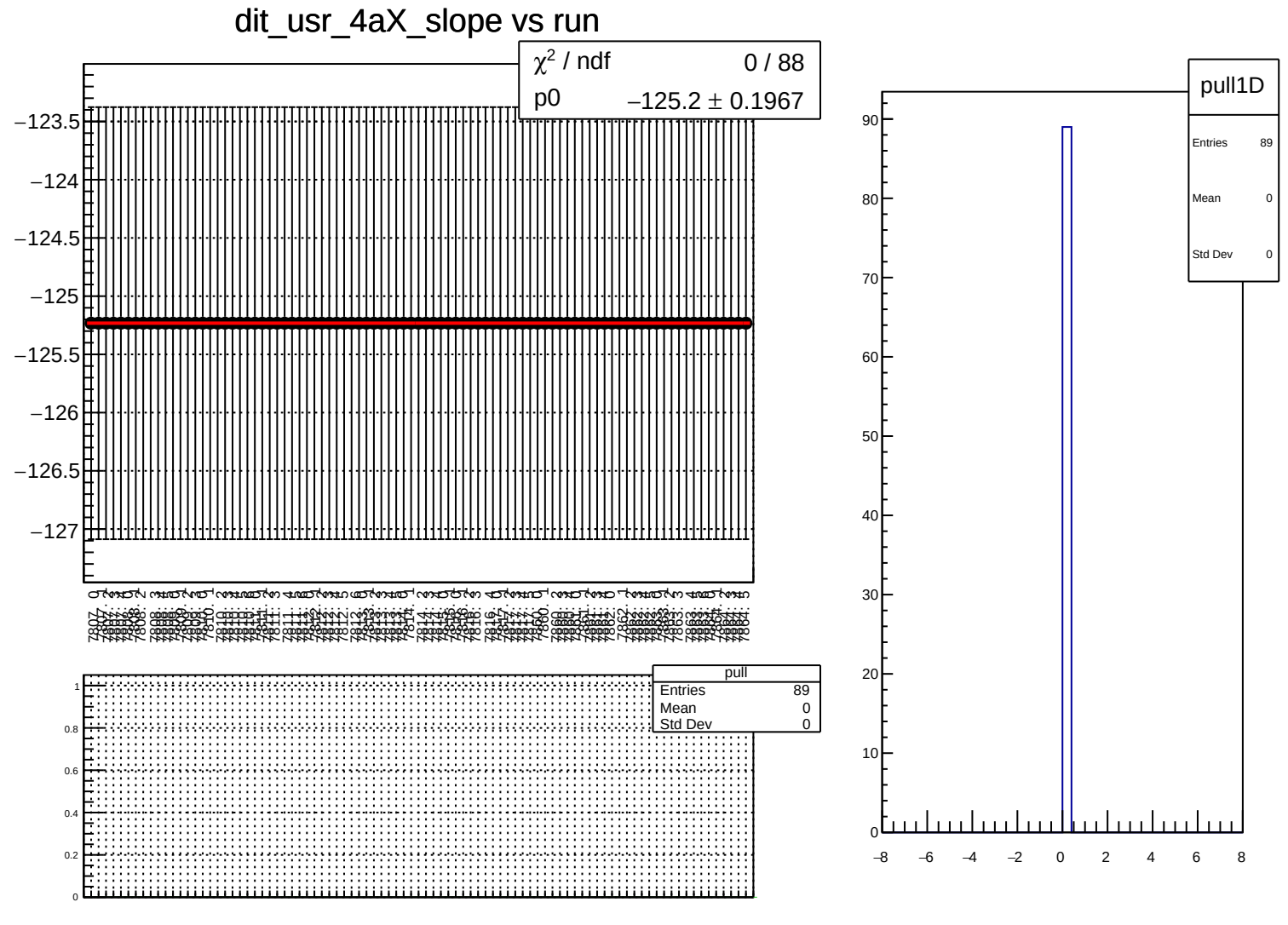

dit_usl_4aX_slope vs run
χ² / ndf 1.176e−24 / 88
p0 −83.04 ± 0.1572
−81.5
−82
−82.5
−83
−83.5
−84
−84.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.15e−13
Std Dev3.788e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

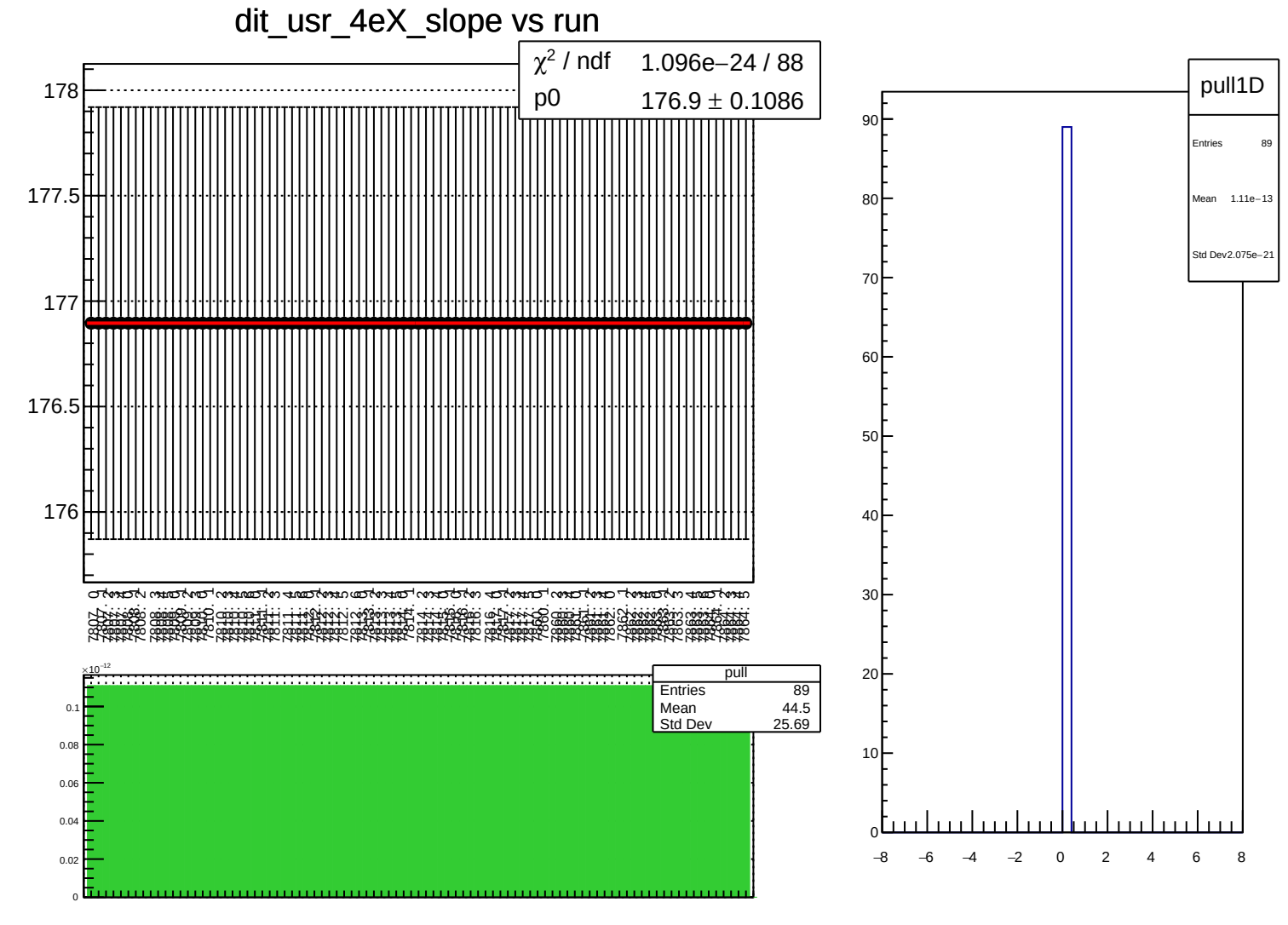

dit_usl_4eX_slope vs run
χ² / ndf 1.211e−26 / 88
p0 17.1 ± 0.09685
18.2
18
17.8
17.6
17.4
17.2
17
16.8
16.6
16.4
16.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 89
Mean −1.167e−14
Std Dev 6.862e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

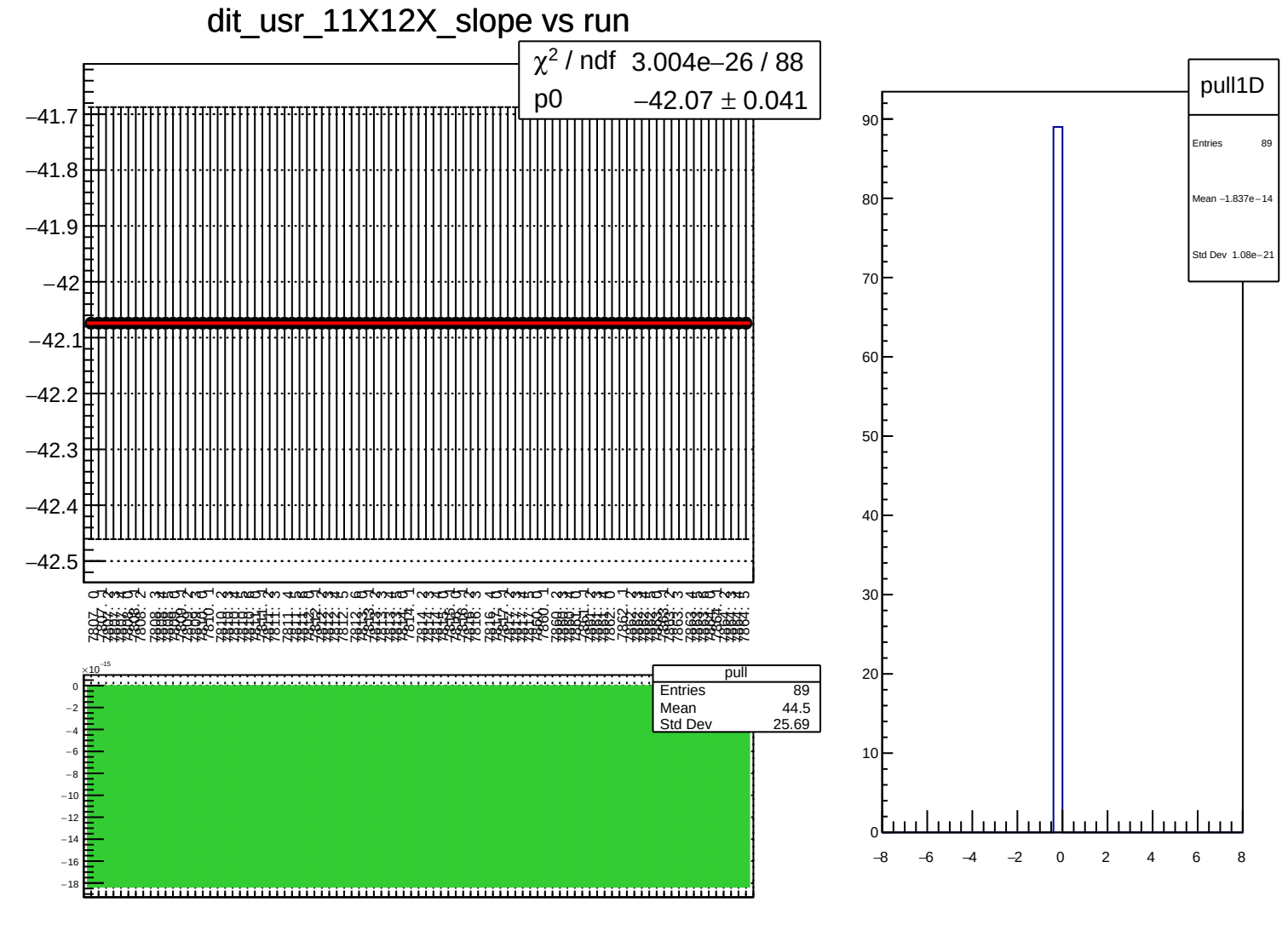

dit_usl_11X12X_slope vs run
χ² / ndf 1.47e−25 / 88
p0 −42.5 ± 0.03706
−42.1
−42.2
−42.3
−42.4
−42.5
−42.6
−42.7
−42.8
−42.9
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 89
Mean −4.064e−14
Std Dev2.745e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

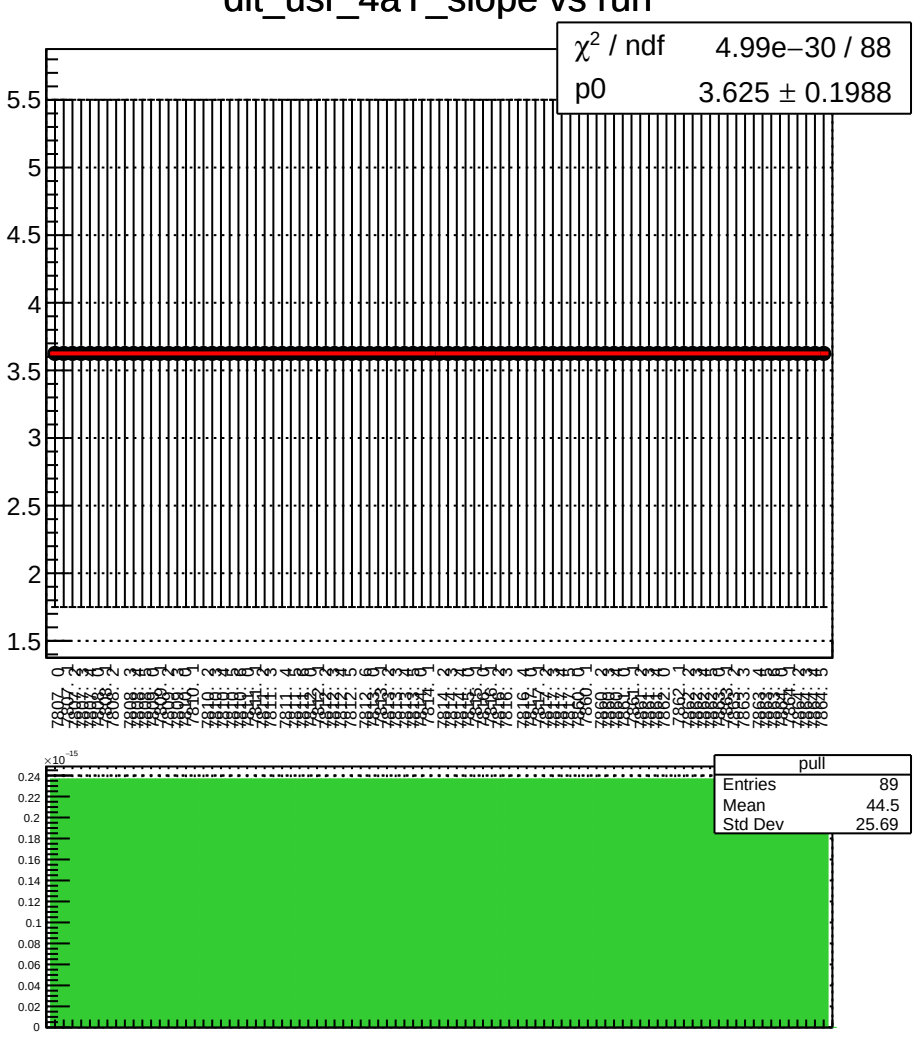

dit_usl_4aY_slope vs run
χ² / ndf 4.441e−31 / 88
p0 0.8191 ± 0.1666
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 7.064e−17
Std Dev 3.095e−24

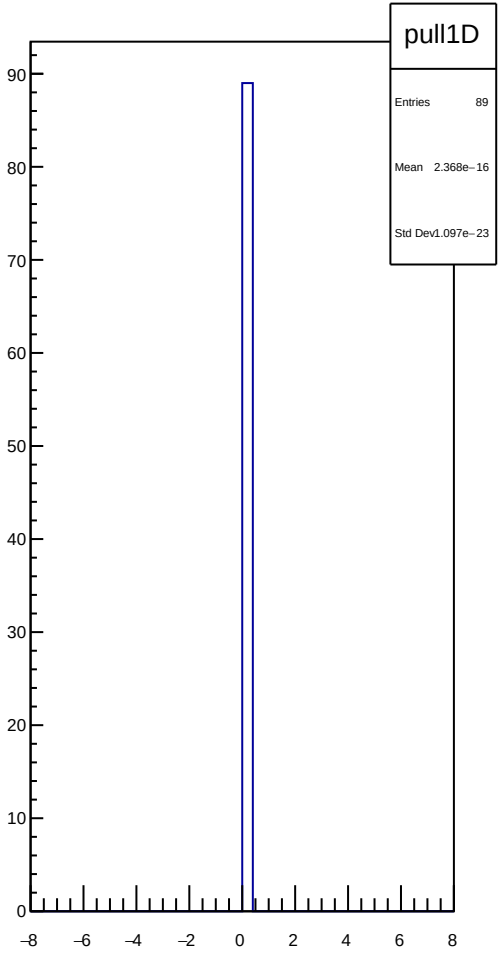

dit_usl_4eY_slope vs run
χ² / ndf 7.292e−26 / 88
p0 21.72 ± 0.1447
23
22.5
22
21.5
21
20.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 89
Mean 2.862e−14
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

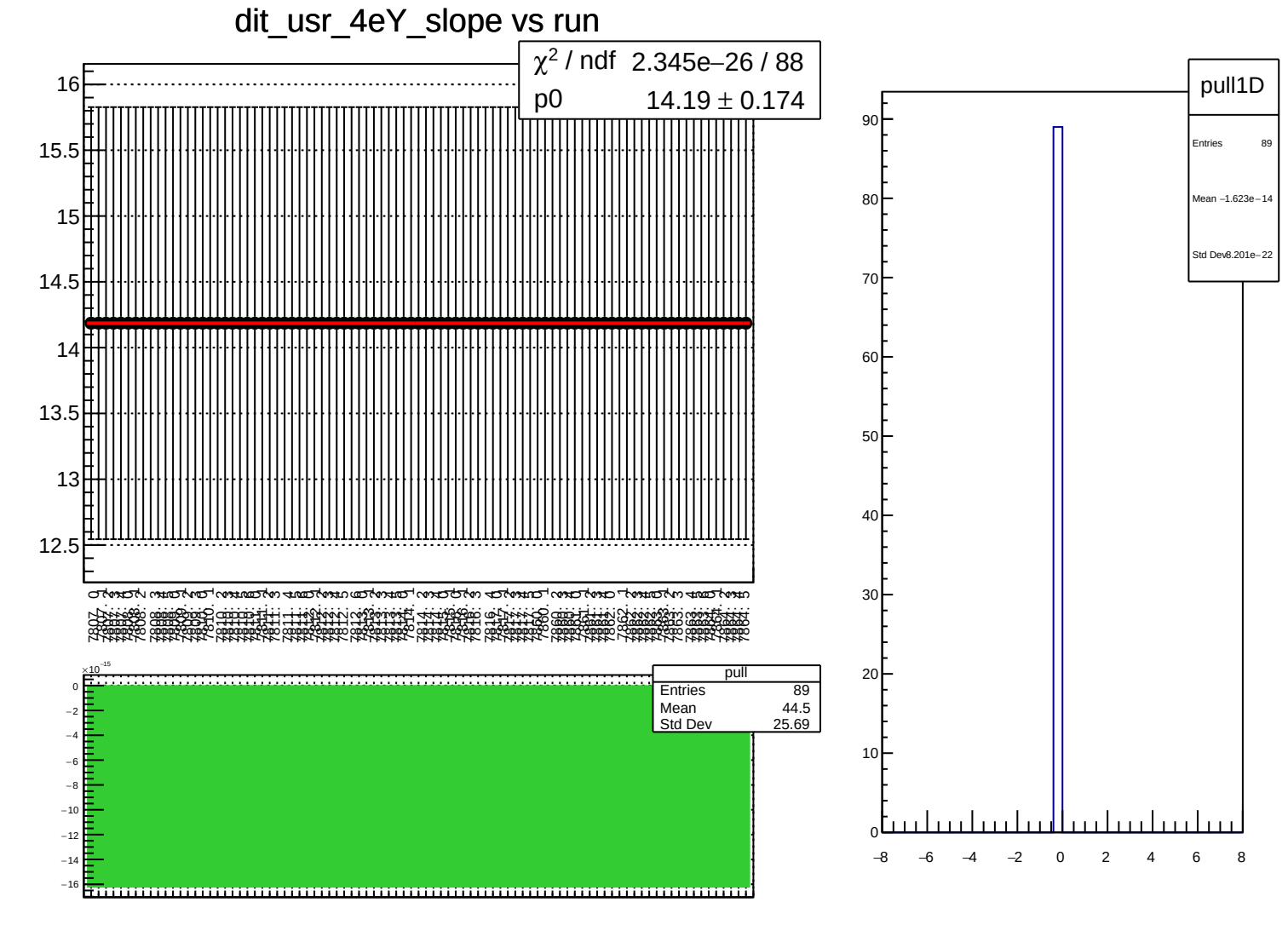

dit_usr_4aX_slope vs run
χ² / ndf 0 / 88
p0 −125.2 ± 0.1967
−123.5
−124
−124.5
−125
−125.5
−126
−126.5
−127
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

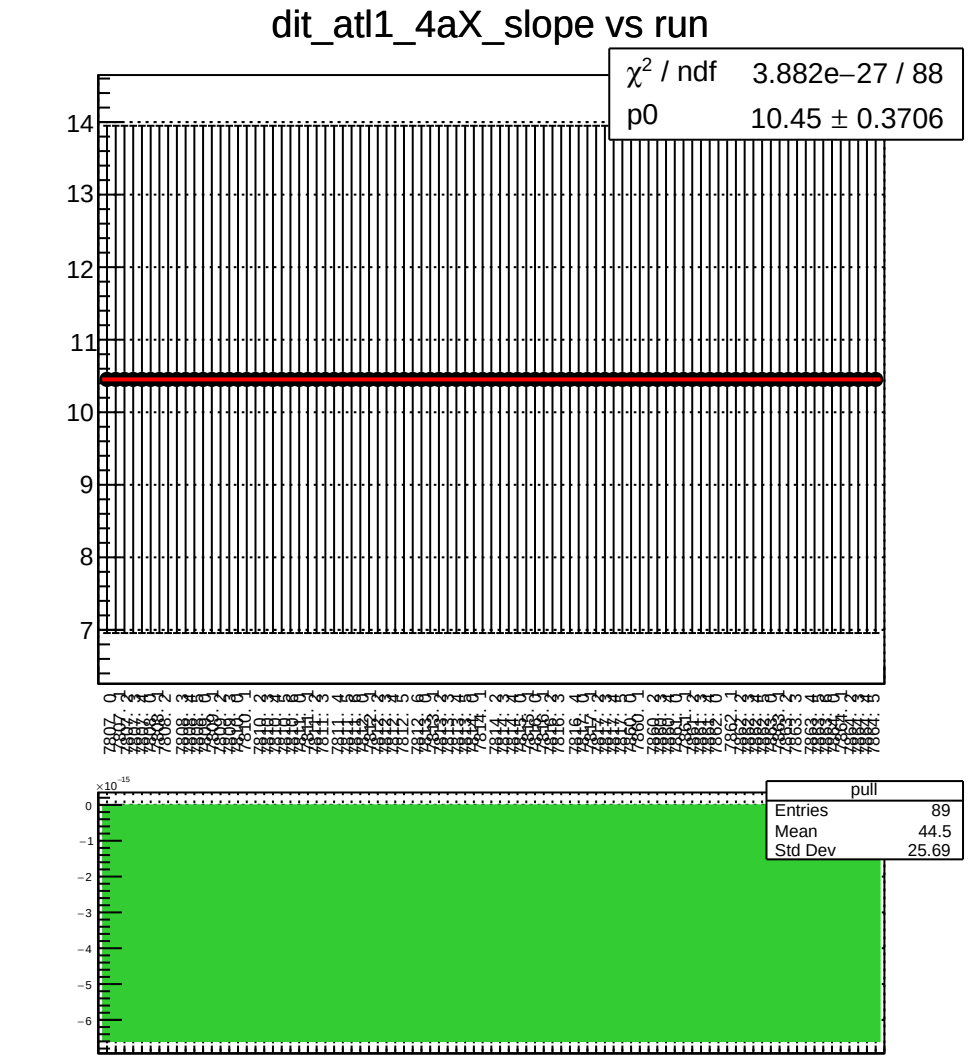

dit_usr_4eX_slope vs run
χ² / ndf 1.096e−24 / 88
p0 176.9 ± 0.1086
178
177.5
177
176.5
176
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.11e−13
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

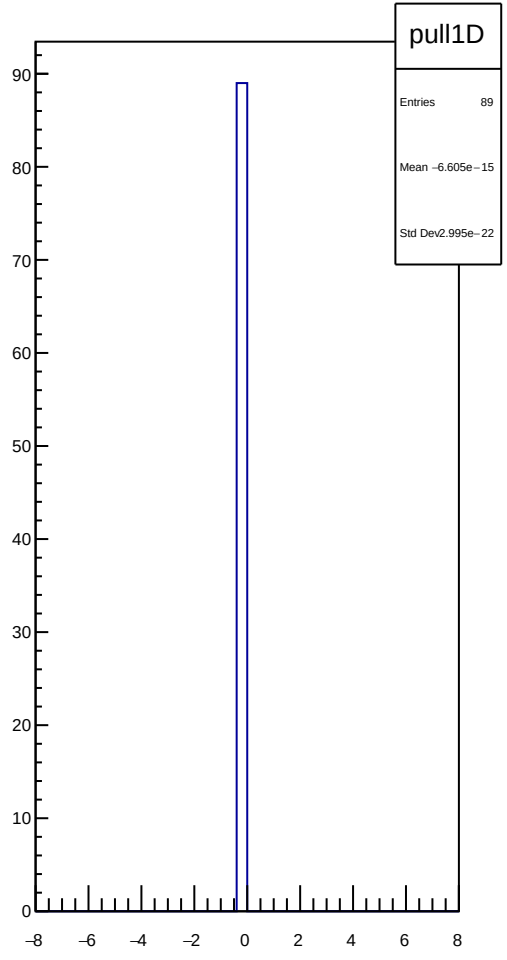

dit_usr_11X12X_slope vs run
χ² / ndf 3.004e−26 / 88
p0 −42.07 ± 0.041
−41.7
−41.8
−41.9
−42
−42.1
−42.2
−42.3
−42.4
−42.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 89
Mean −1.837e−14
Std Dev 1.08e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

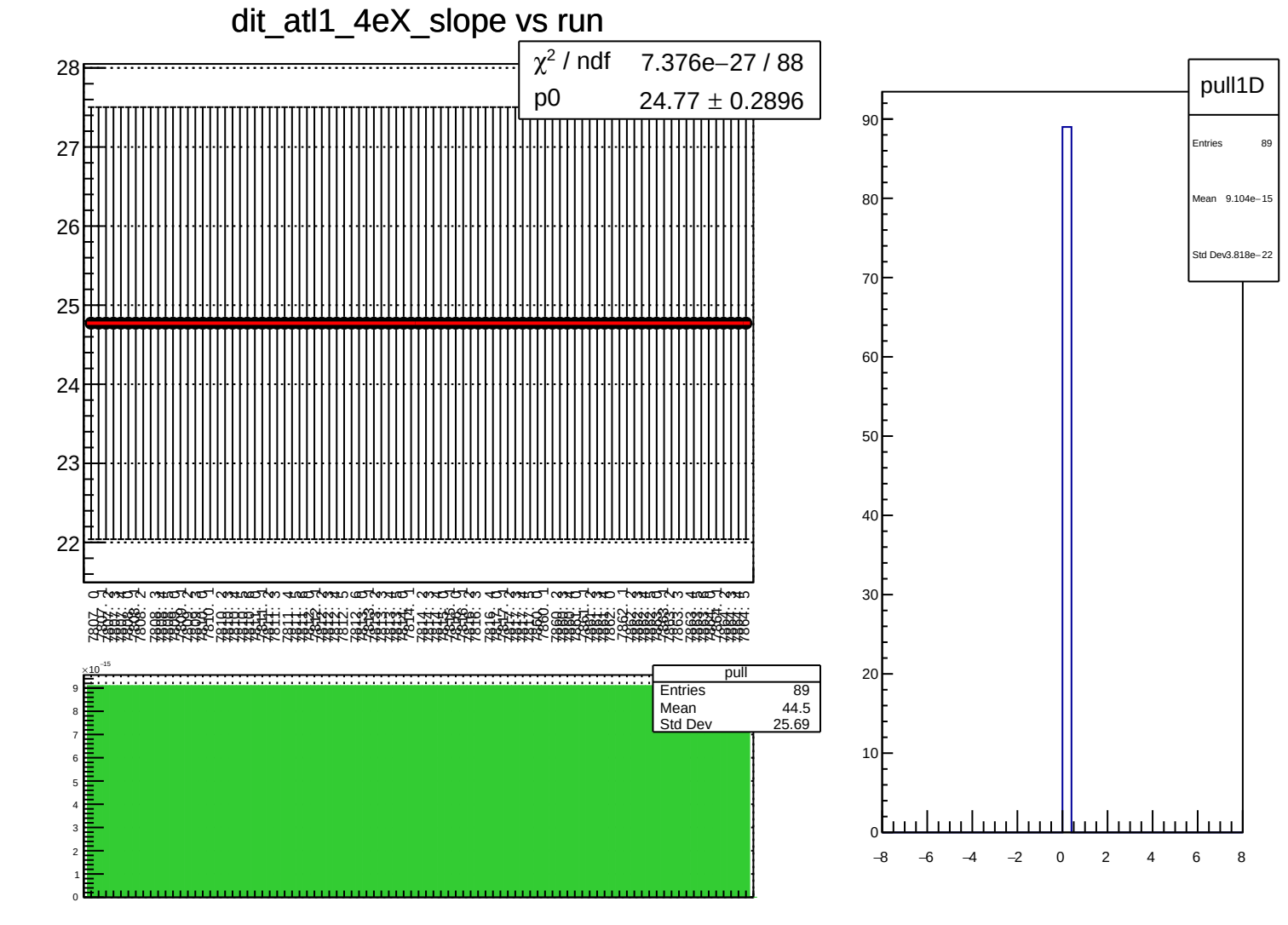

dit_usr_4aY_slope vs run
χ² / ndf 4.99e−30 / 88
p0 3.625 ± 0.1988
pull
Entries 89
Mean 44.5
Std Dev 25.69

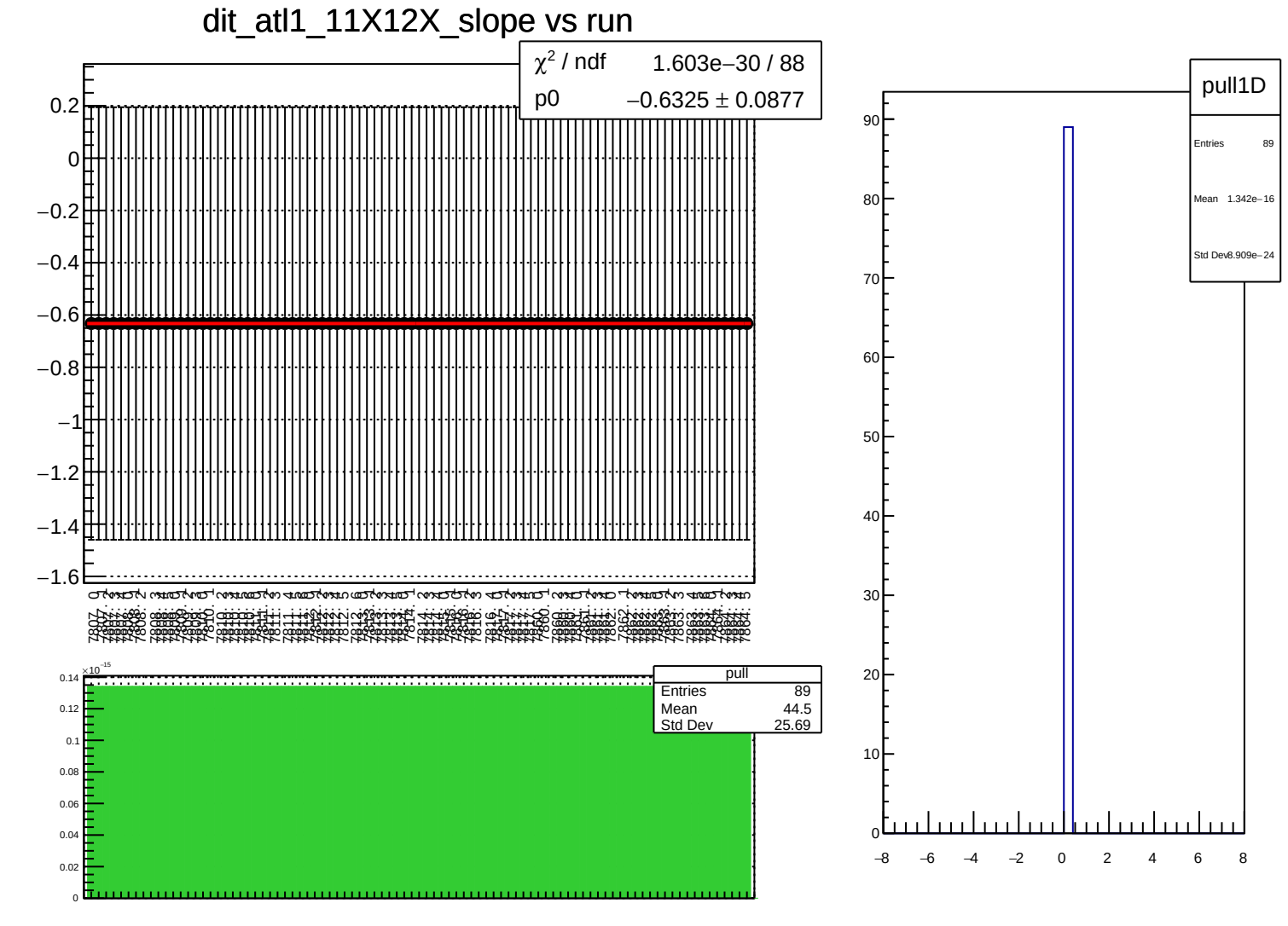

pull1D
Entries 89
Mean 2.368e−16
Std Dev1.097e−23

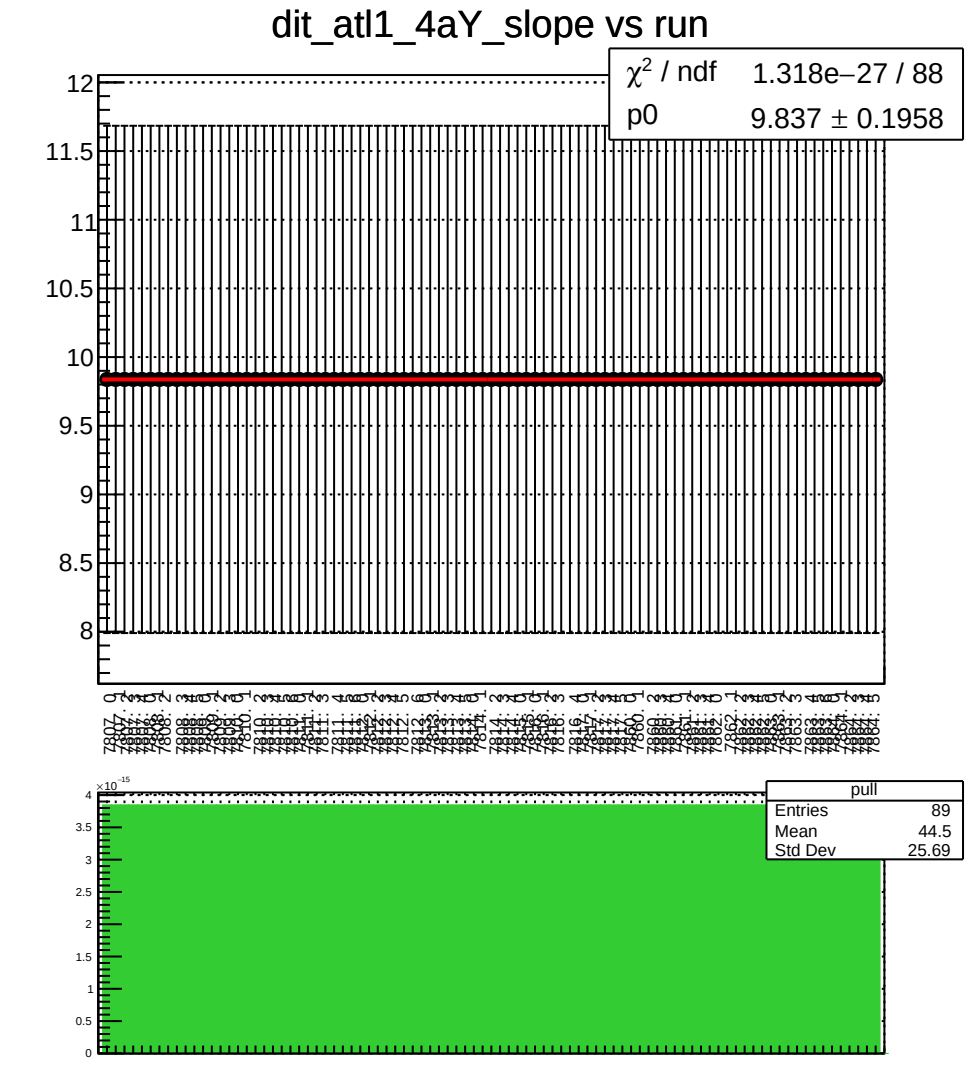

dit_usr_4eY_slope vs run
χ² / ndf 2.345e−26 / 88
p0 14.19 ± 0.174
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.623e−14
Std Dev 8.201e−22

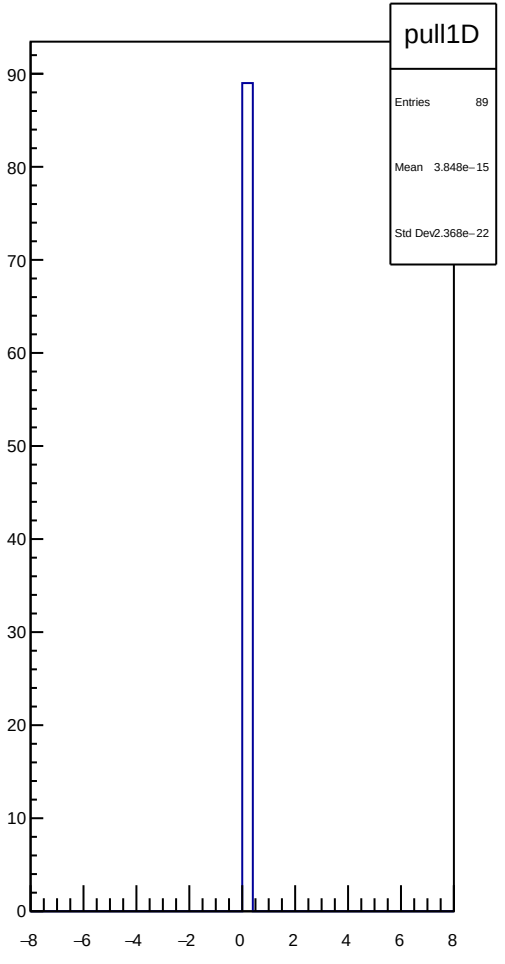

dit_atl1_4aX_slope vs run
χ² / ndf 3.882e−27 / 88
p0 10.45 ± 0.3706
pull
Entries 89
Mean 44.5
Std Dev 25.69

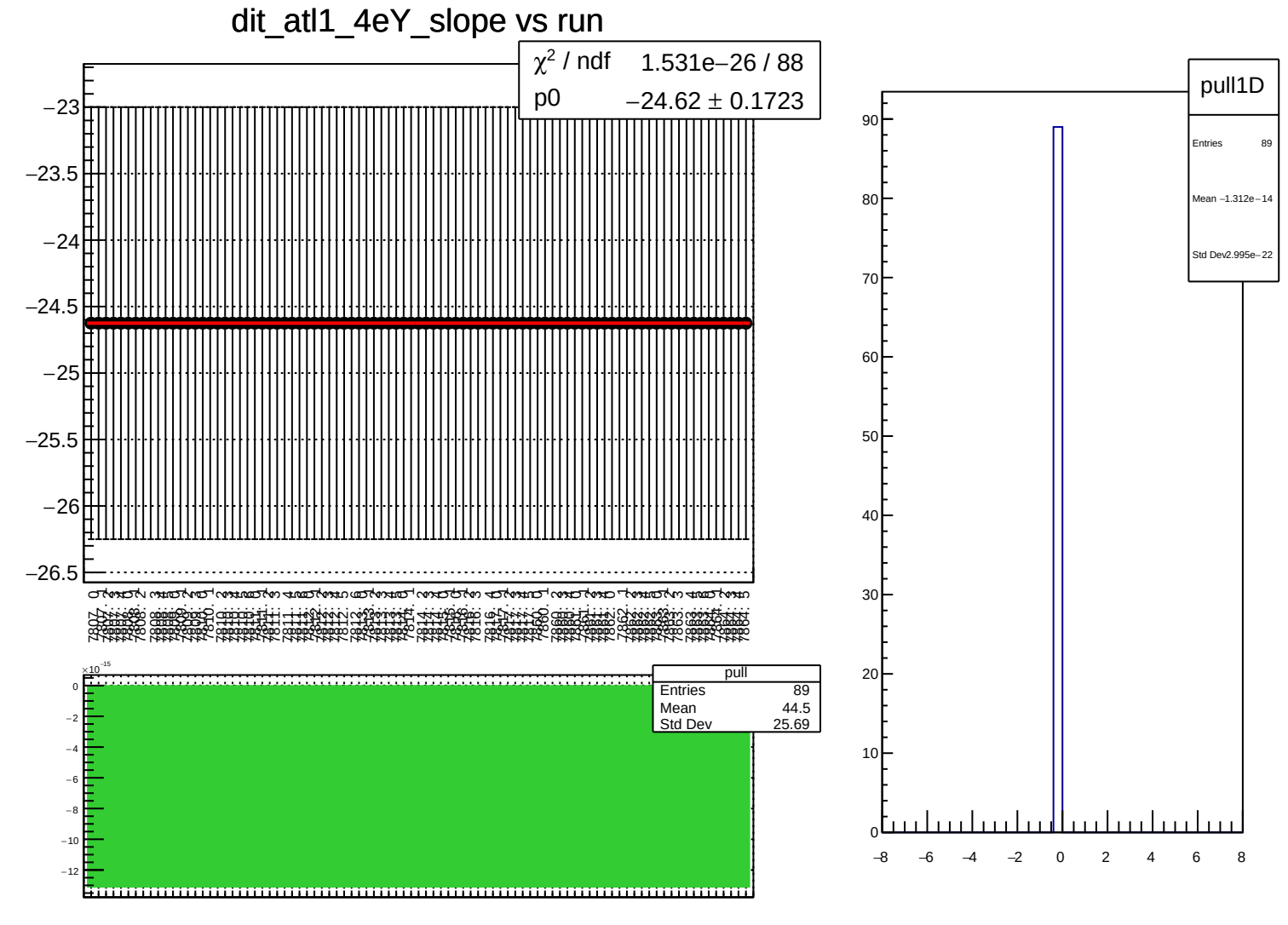

pull1D
Entries 89
Mean −6.605e−15
Std Dev 2.995e−22

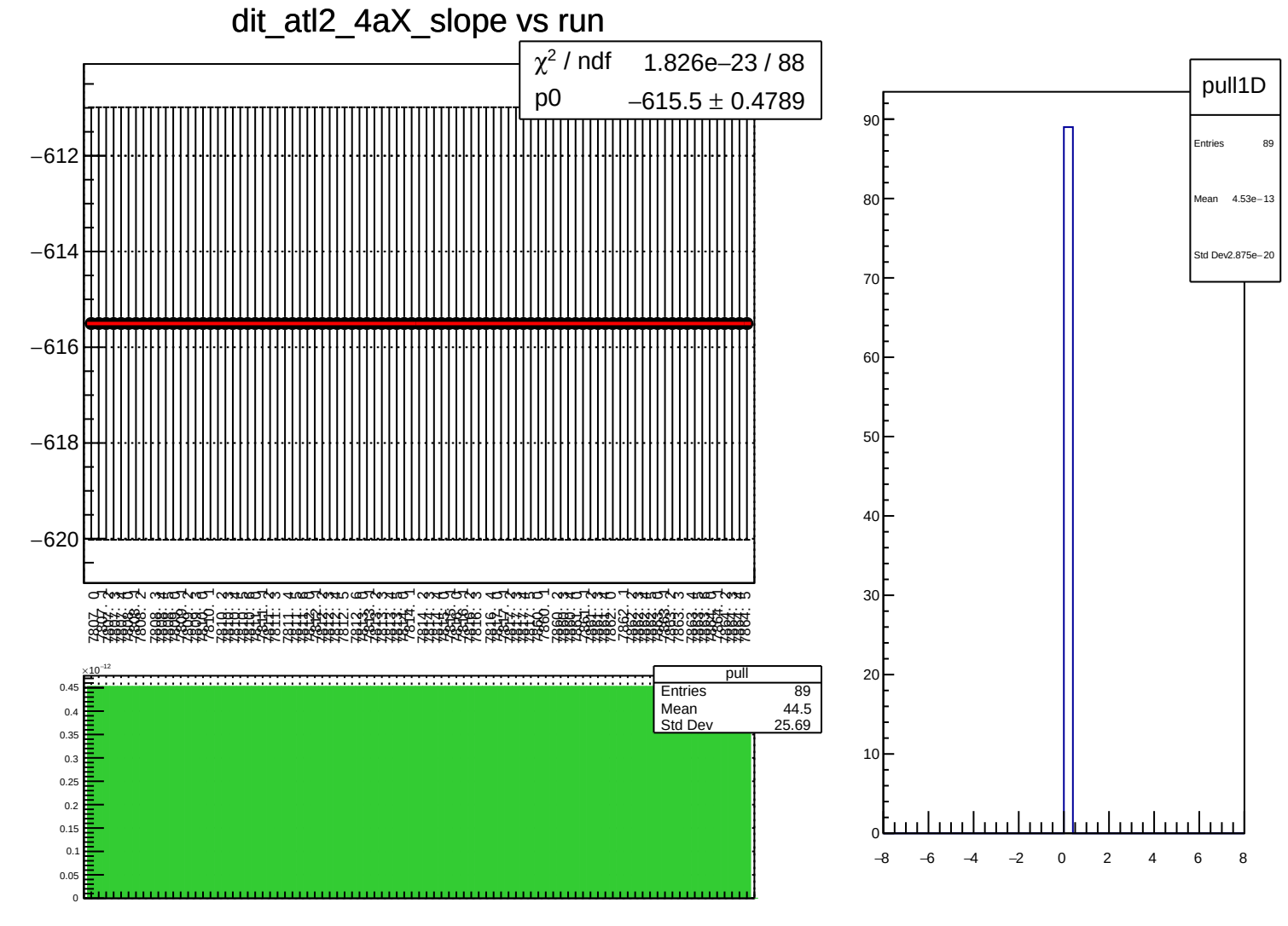

dit_atl1_4eX_slope vs run
χ² / ndf 7.376e−27 / 88
p0 24.77 ± 0.2896
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 9.104e−15
Std Dev 3.818e−22

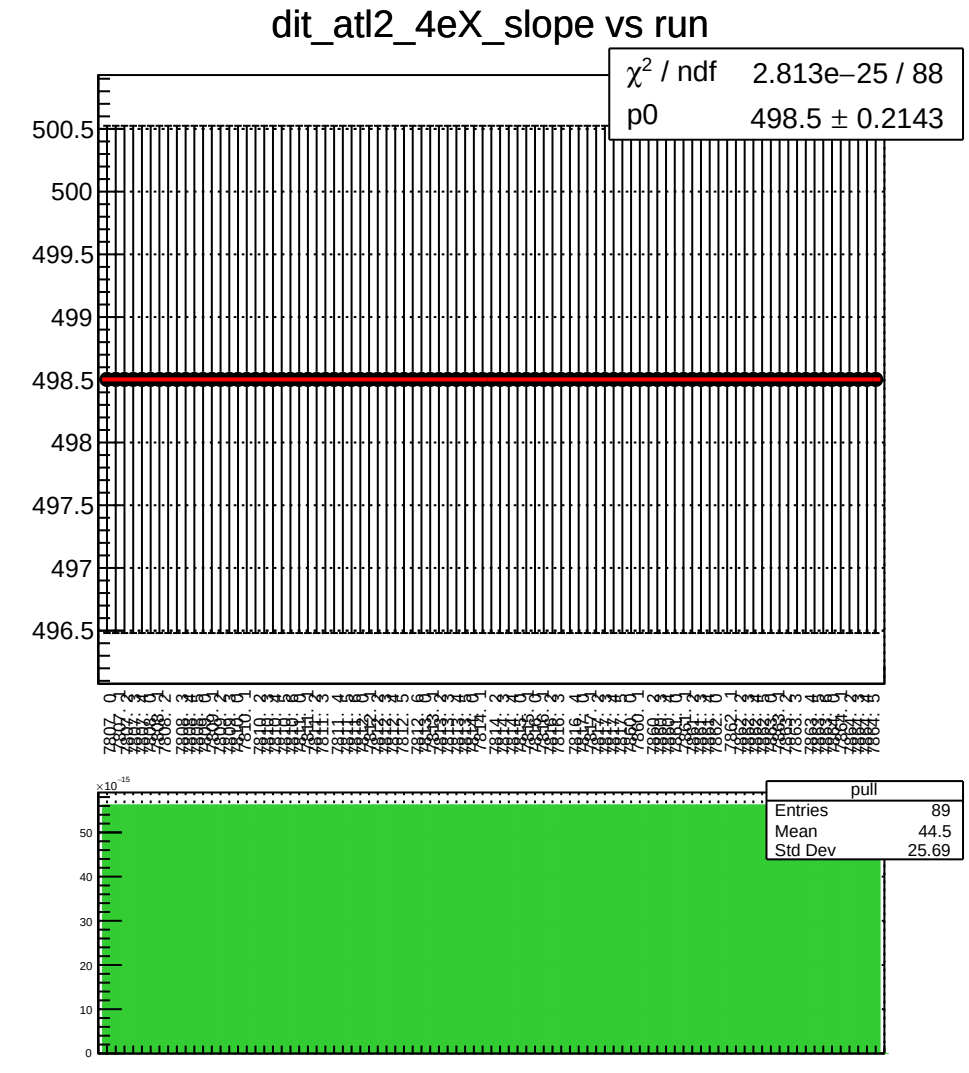

dit_atl1_11X12X_slope vs run
χ² / ndf 1.603e−30 / 88
p0 −0.6325 ± 0.0877
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.342e−16
Std Dev 8.909e−24

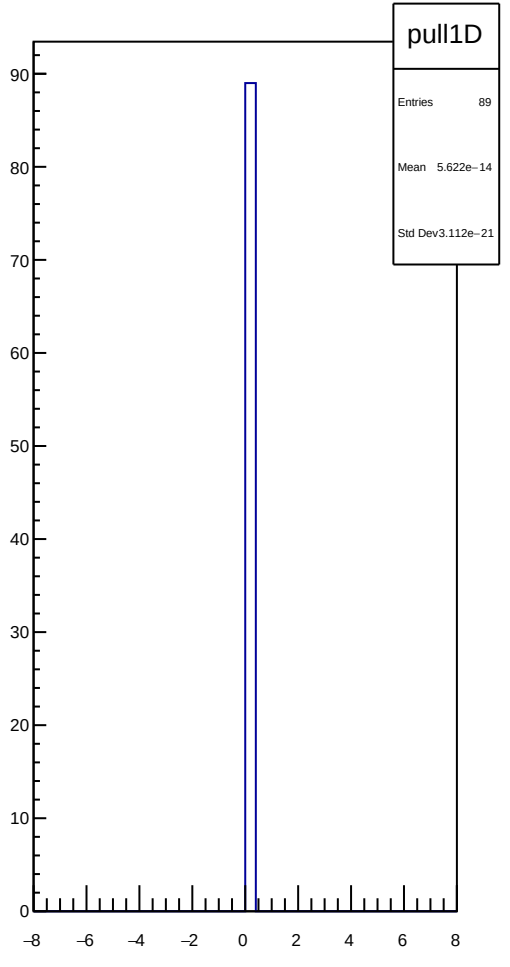

dit_atl1_4aY_slope vs run
χ² / ndf 1.318e−27 / 88
p0 9.837 ± 0.1958
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵

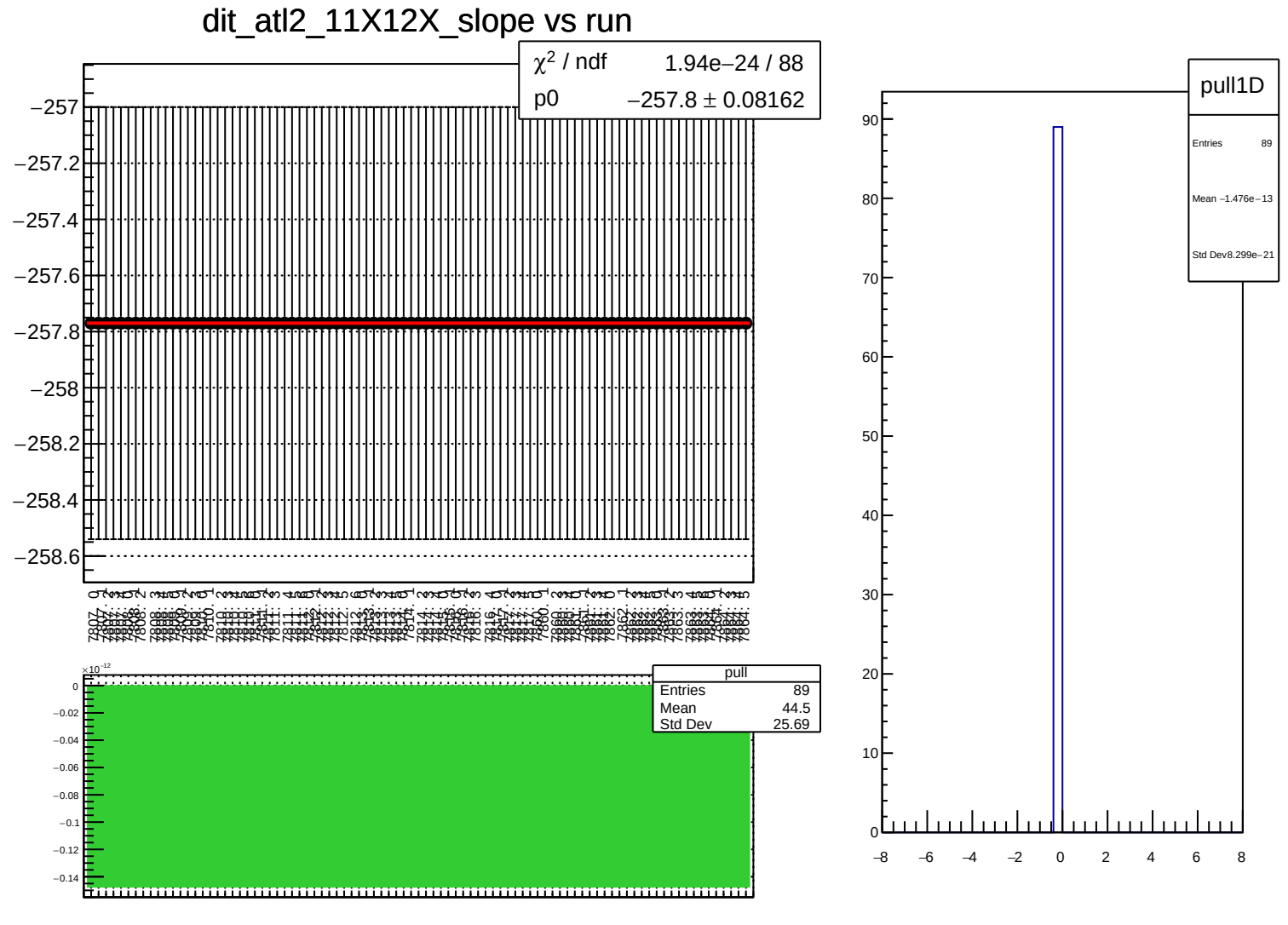

pull1D
Entries 89
Mean 3.848e−15
Std Dev 2.368e−22

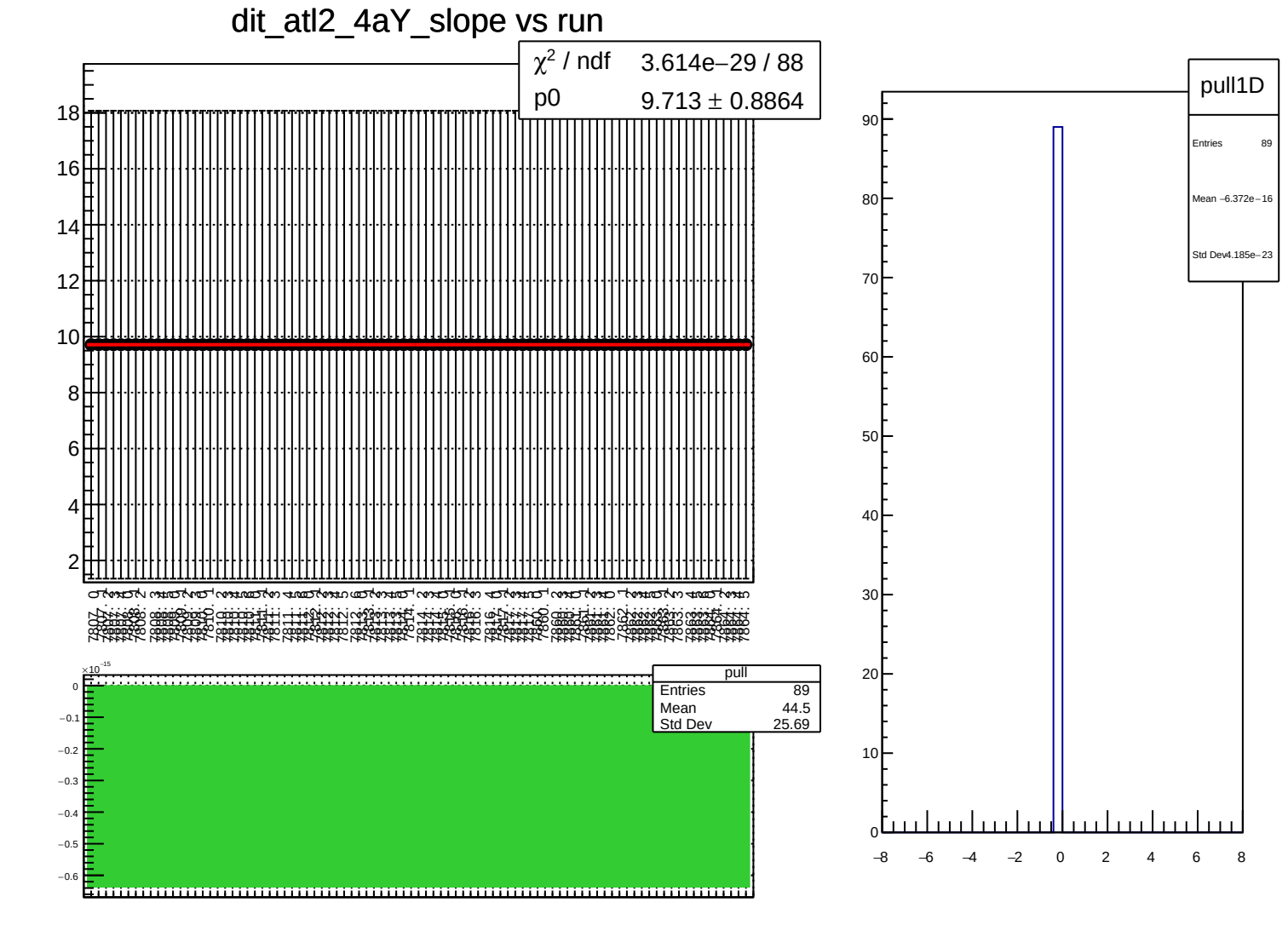

dit_atl1_4eY_slope vs run
χ² / ndf 1.531e−26 / 88
p0 −24.62 ± 0.1723
−23
−23.5
−24
−24.5
−25
−25.5
−26
−26.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 89
Mean −1.312e−14
Std Dev 2.995e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

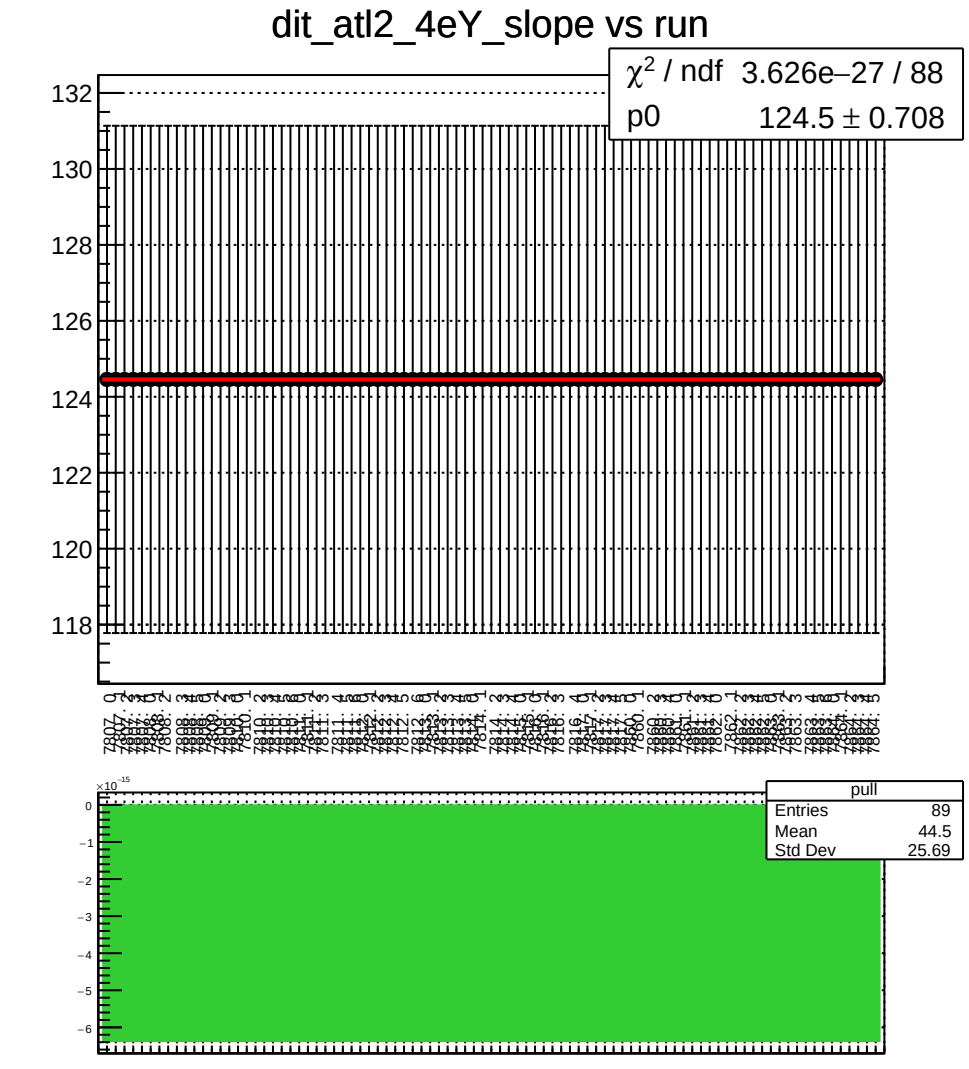

dit_atl2_4aX_slope vs run
χ² / ndf 1.826e−23 / 88
p0 −615.5 ± 0.4789
−612
−614
−616
−618
−620
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 89
Mean 4.53e−13
Std Dev 2.875e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

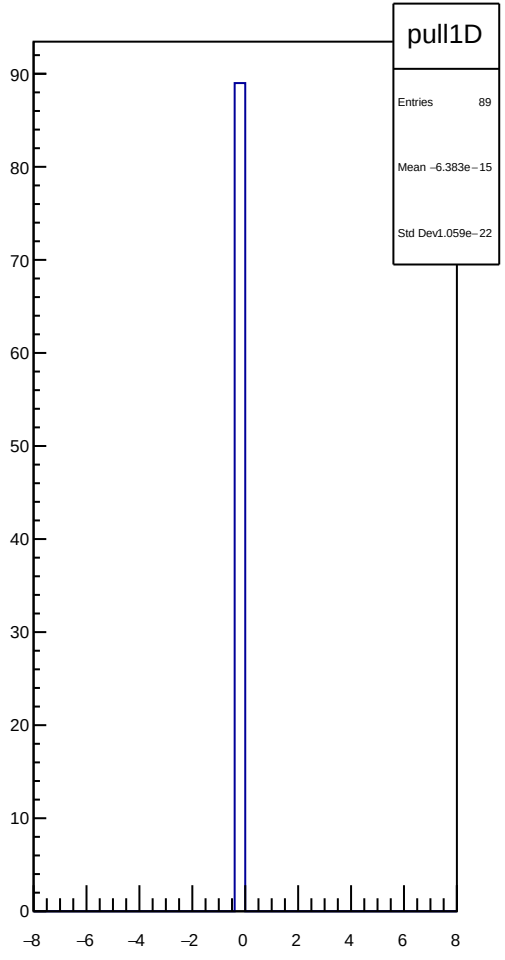

dit_atl2_4eX_slope vs run
χ² / ndf 2.813e−25 / 88
p0 498.5 ± 0.2143
500.5
500
499.5
499
498.5
498
497.5
497
496.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
50
40
30
20
10
0

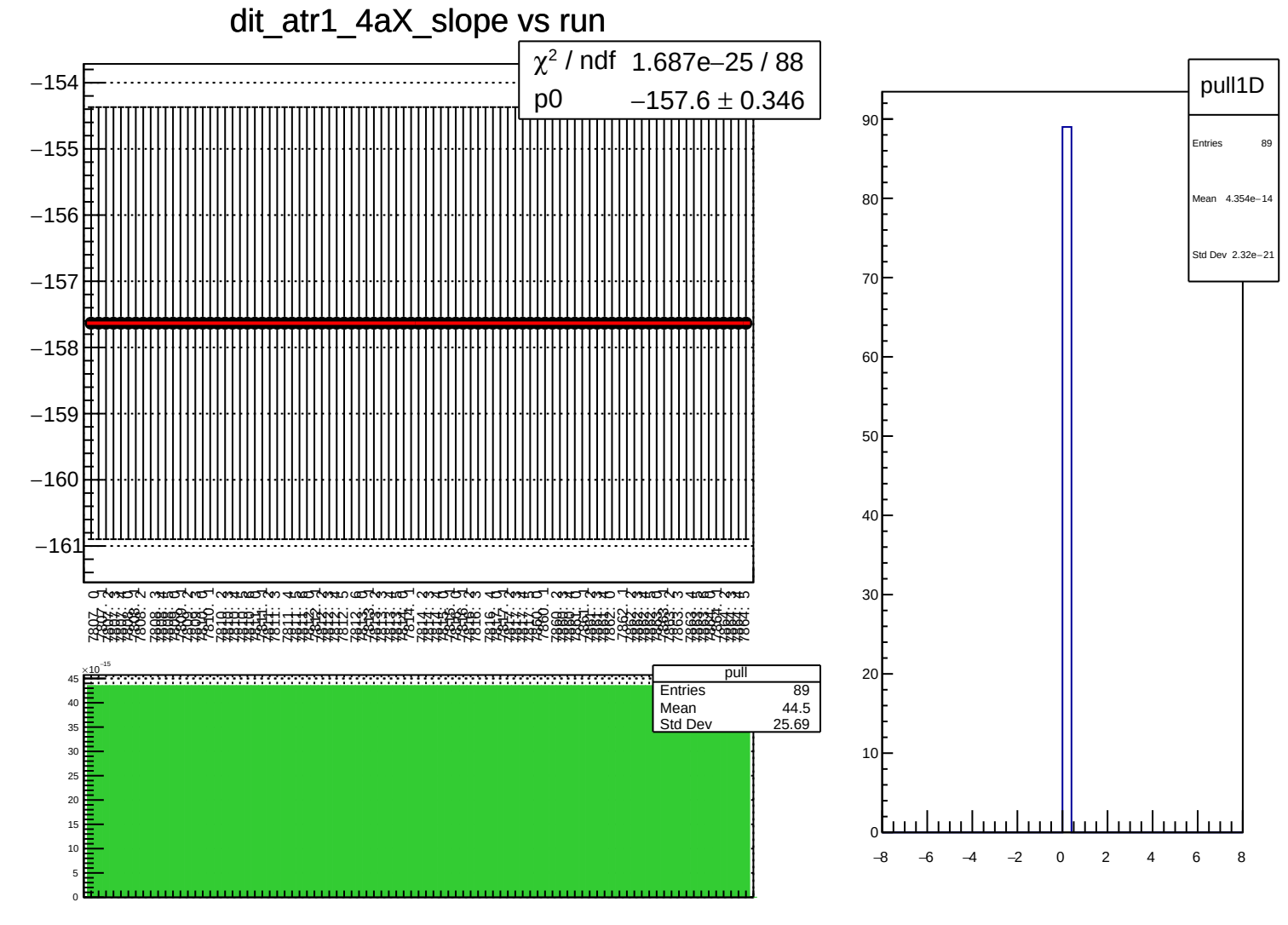

pull1D
Entries 89
Mean 5.622e−14
Std Dev3.112e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

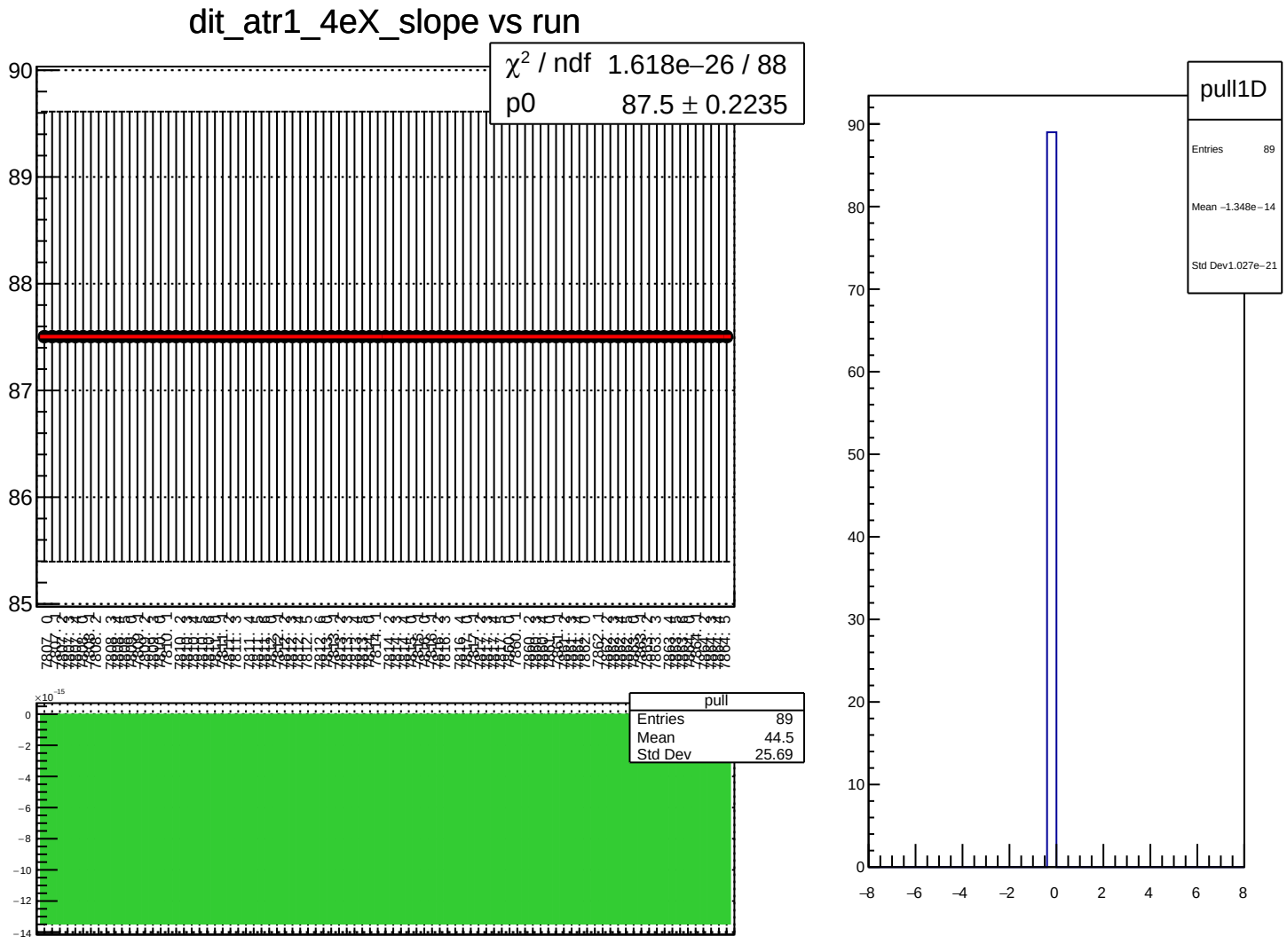

dit_atl2_11X12X_slope vs run
χ² / ndf 1.94e−24 / 88
p0 −257.8 ± 0.08162
−257
−257.2
−257.4
−257.6
−257.8
−258
−258.2
−258.4
−258.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 89
Mean −1.476e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

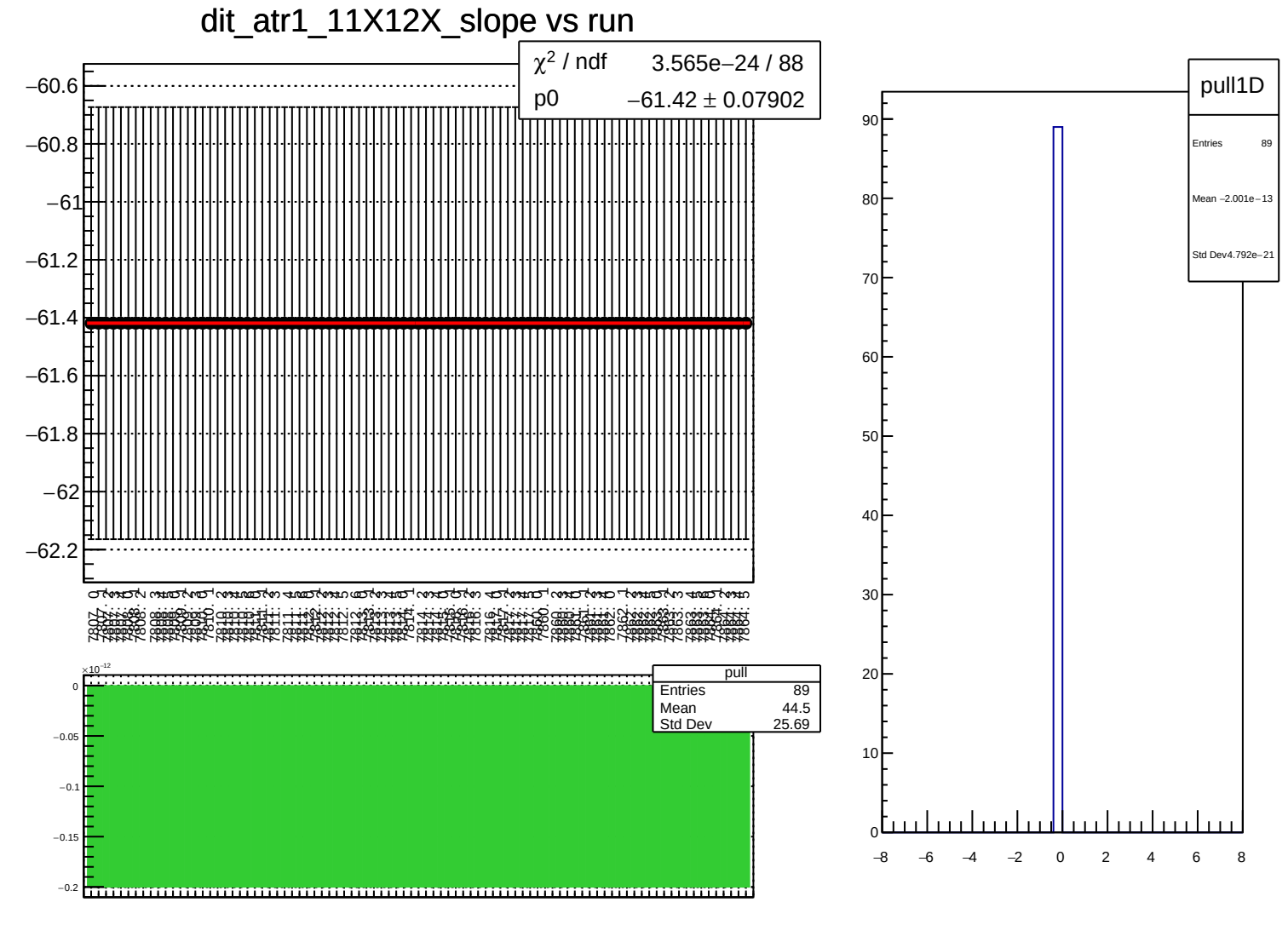

dit_atl2_4aY_slope vs run
χ^2 / ndf 3.614e−29 / 88
p0 9.713 ± 0.8864
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −6.372e−16
Std Dev4.185e−23

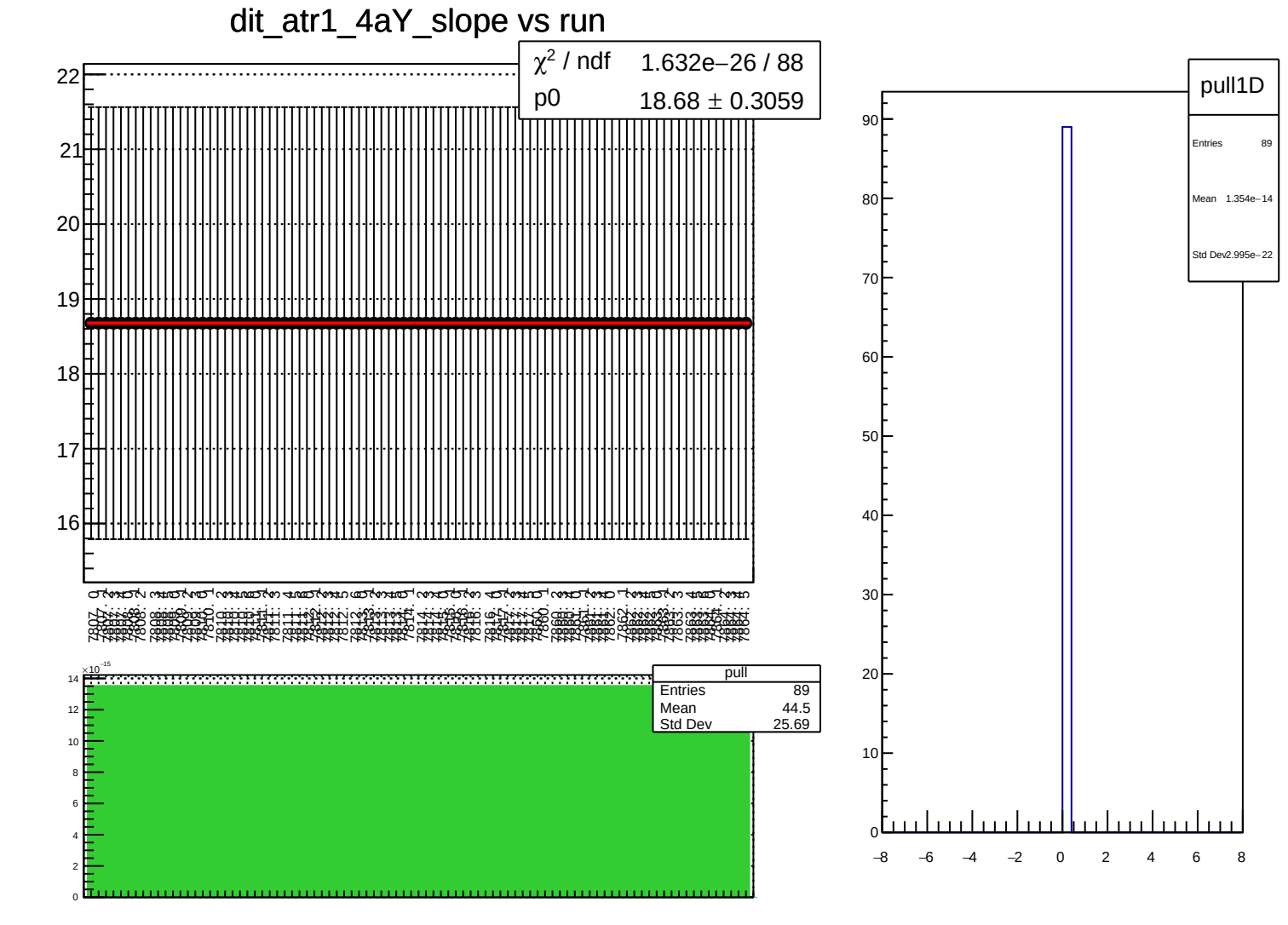

dit_atl2_4eY_slope vs run
χ² / ndf 3.626e−27 / 88
p0 124.5 ± 0.708
pull
Entries 89
Mean 44.5
Std Dev 25.69

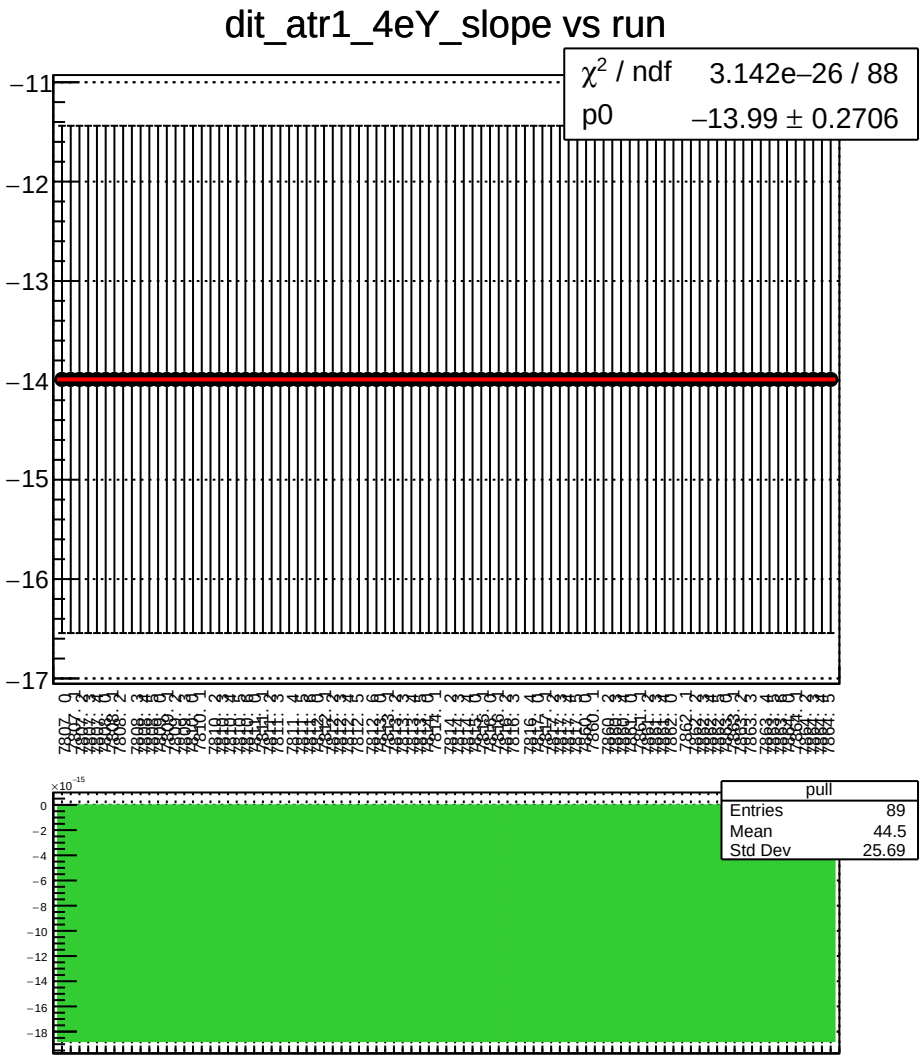

pull1D
Entries 89
Mean −6.383e−15
Std Dev1.059e−22

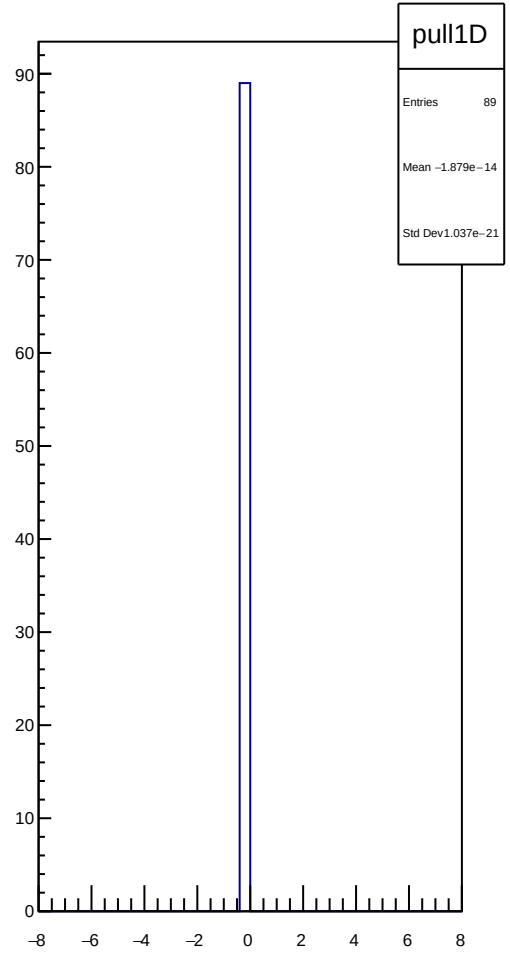

dit_atr1_4aX_slope vs run
χ² / ndf 1.687e−25 / 88
p0 −157.6 ± 0.346
−154
−155
−156
−157
−158
−159
−160
−161
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull1D
Entries 89
Mean 4.354e−14
Std Dev 2.32e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

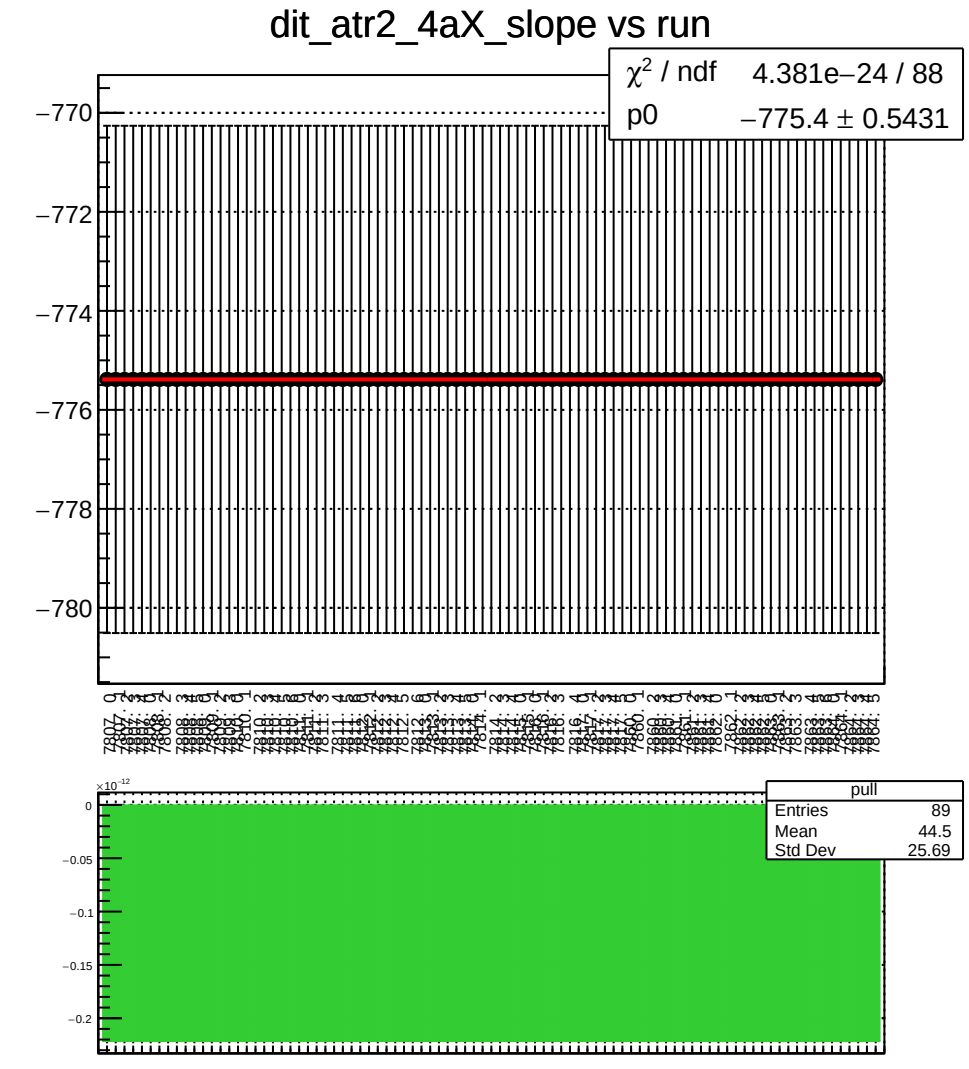

dit_atr1_4eX_slope vs run
χ² / ndf 1.618e−26 / 88
p0 87.5 ± 0.2235
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.348e−14
Std Dev1.027e−21

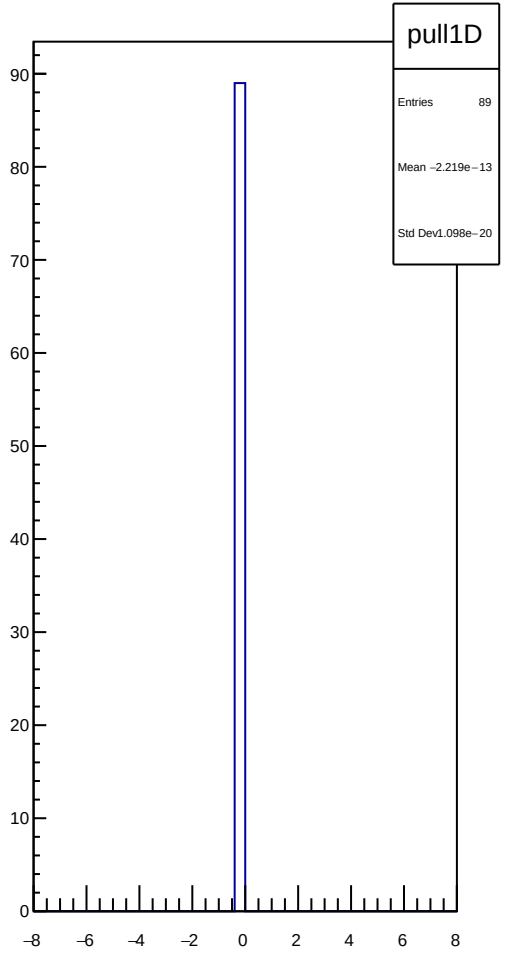

dit_atr1_11X12X_slope vs run
χ² / ndf 3.565e−24 / 88
p0 −61.42 ± 0.07902
−60.6
−60.8
−61
−61.2
−61.4
−61.6
−61.8
−62
−62.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 89
Mean −2.001e−13
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

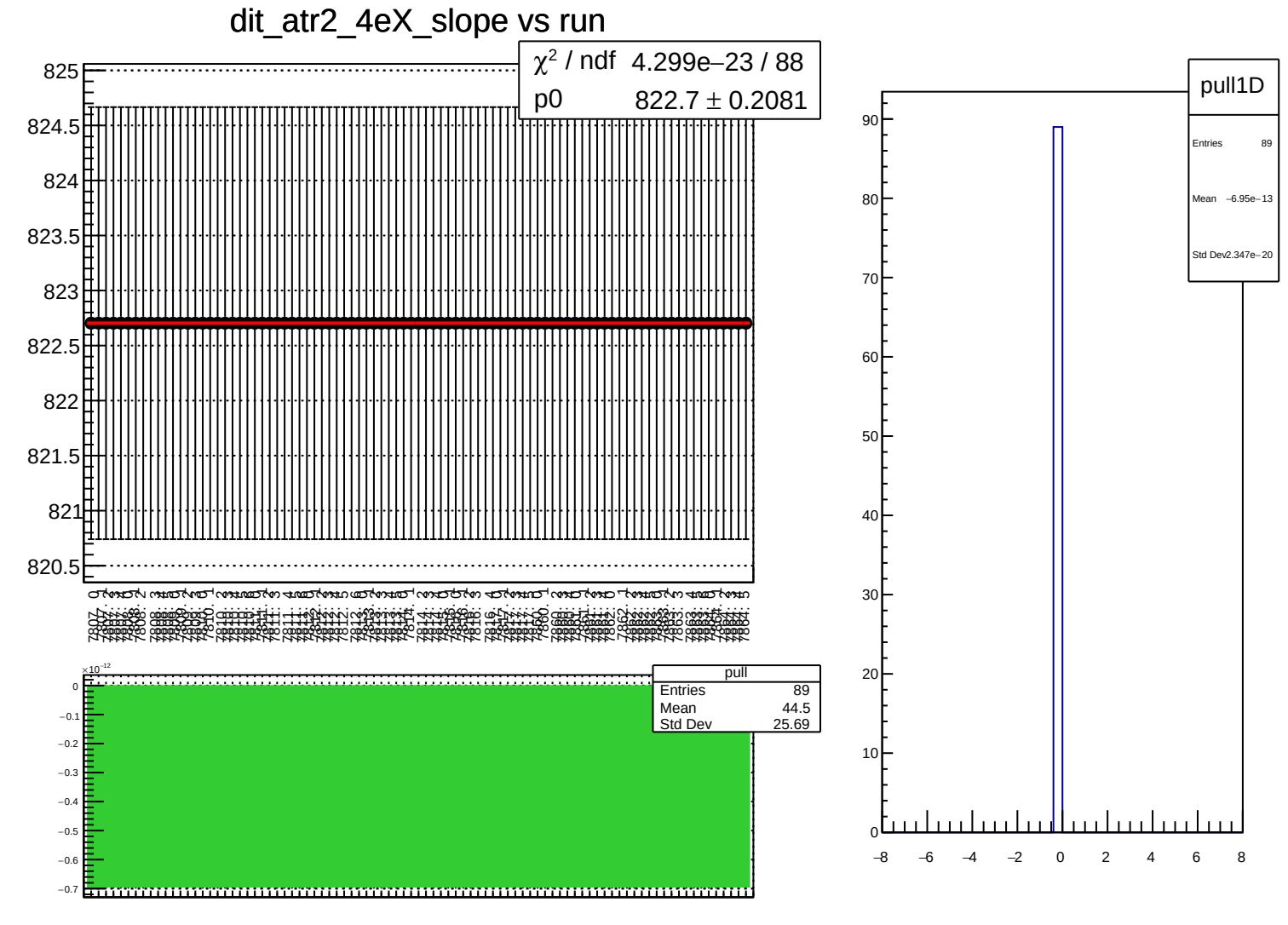

dit_atr1_4aY_slope vs run
χ² / ndf 1.632e−26 / 88
p0 18.68 ± 0.3059
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.354e−14
Std Dev2.995e−22

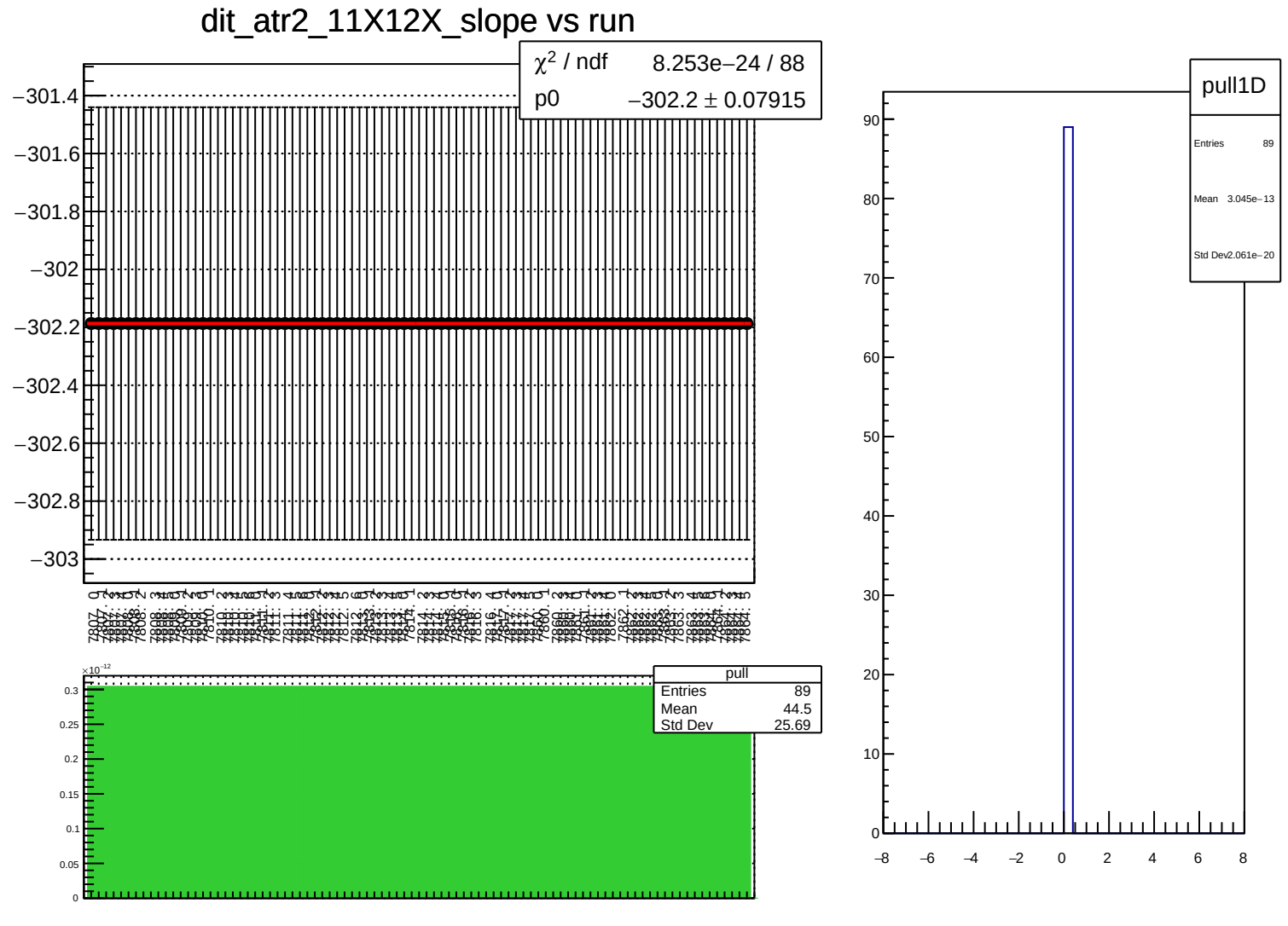

dit_atr1_4eY_slope vs run
χ² / ndf 3.142e−26 / 88
p0 −13.99 ± 0.2706
pull
Entries 89
Mean 44.5
Std Dev 25.69

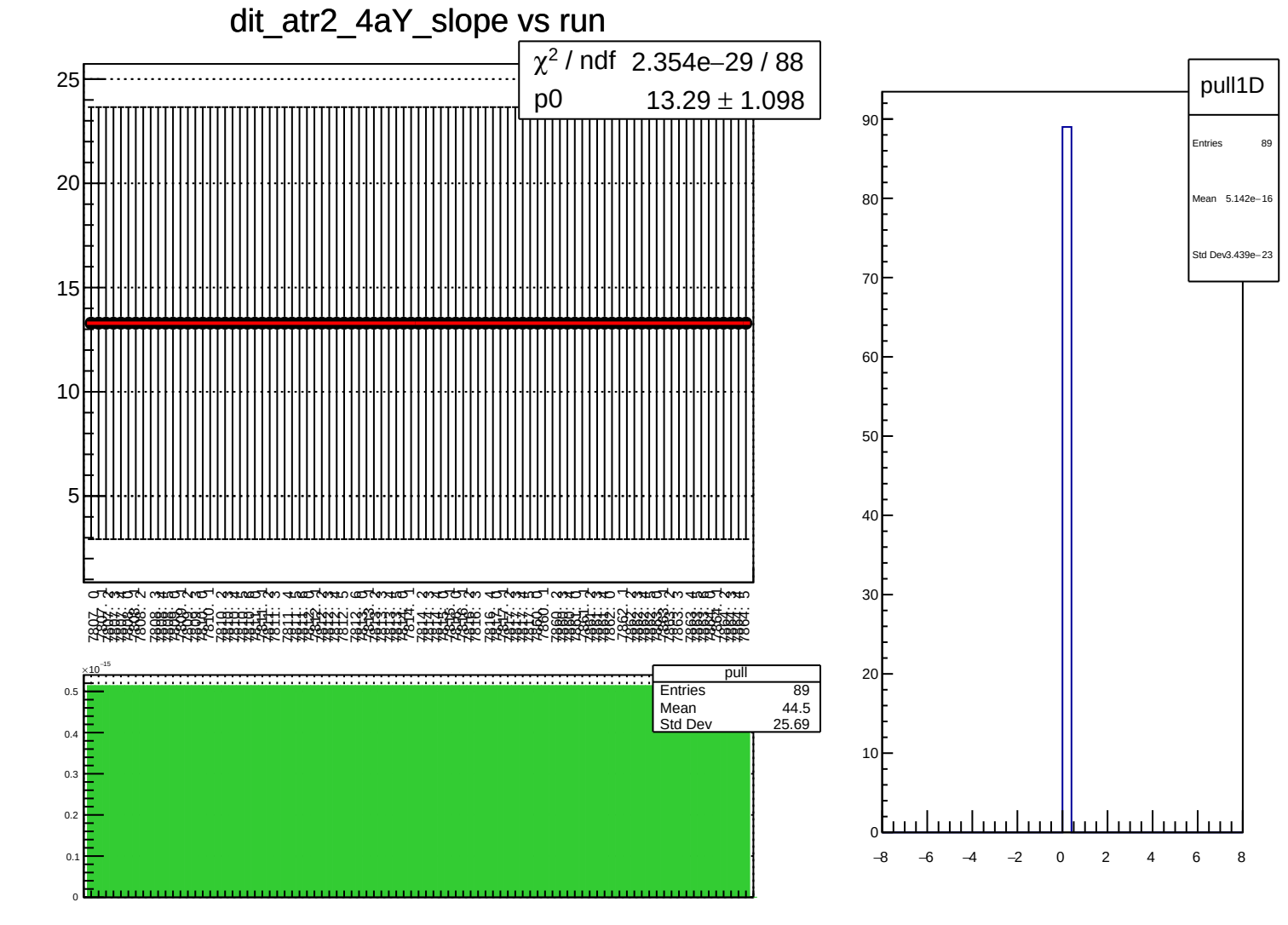

pull1D
Entries 89
Mean −1.879e−14
Std Dev1.037e−21

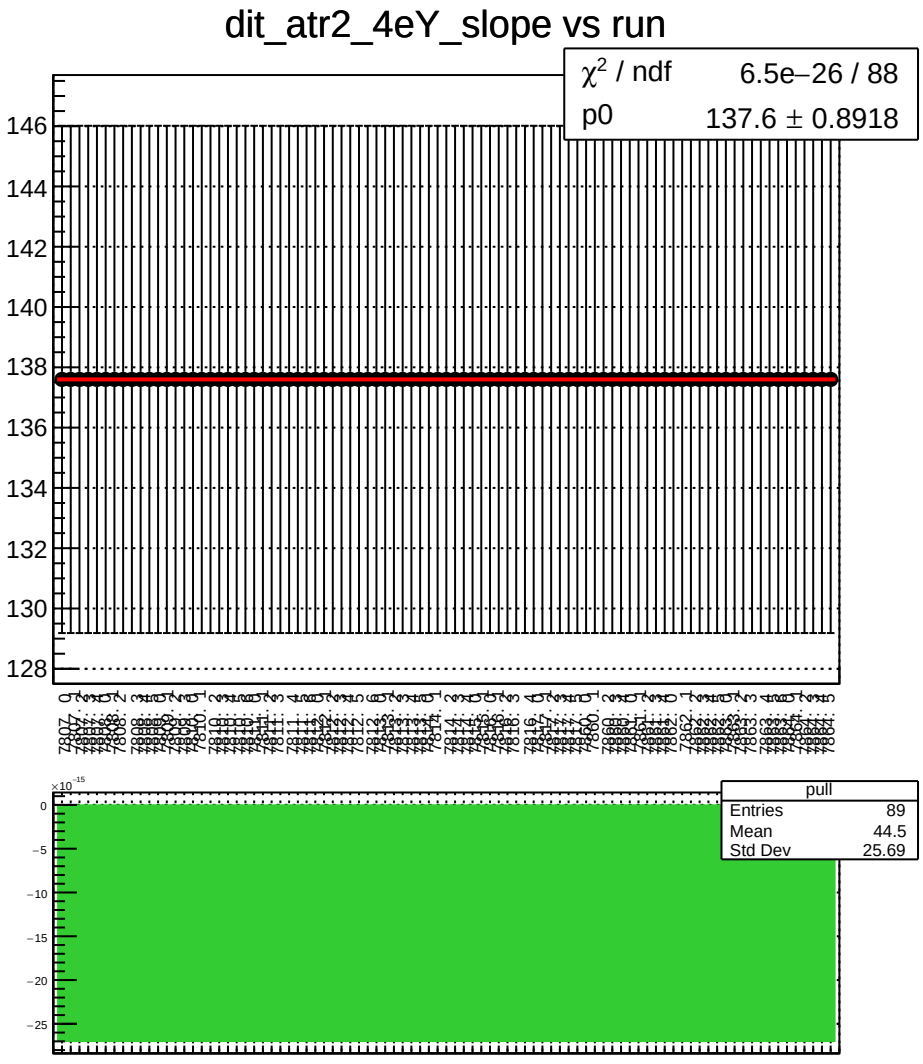

dit_atr2_4aX_slope vs run
χ² / ndf 4.381e−24 / 88
p0 −775.4 ± 0.5431
−770
−772
−774
−776
−778
−780
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

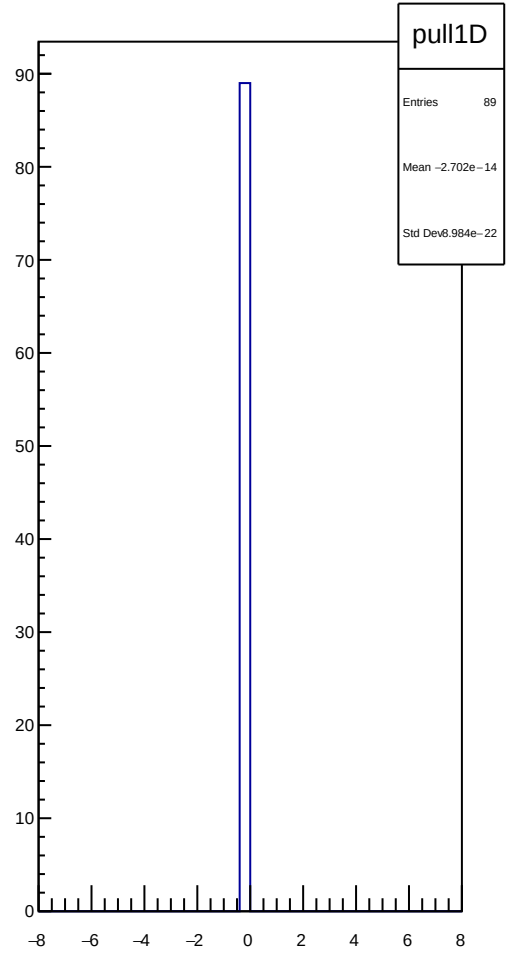

pull1D
Entries 89
Mean −2.219e−13
Std Dev1.098e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

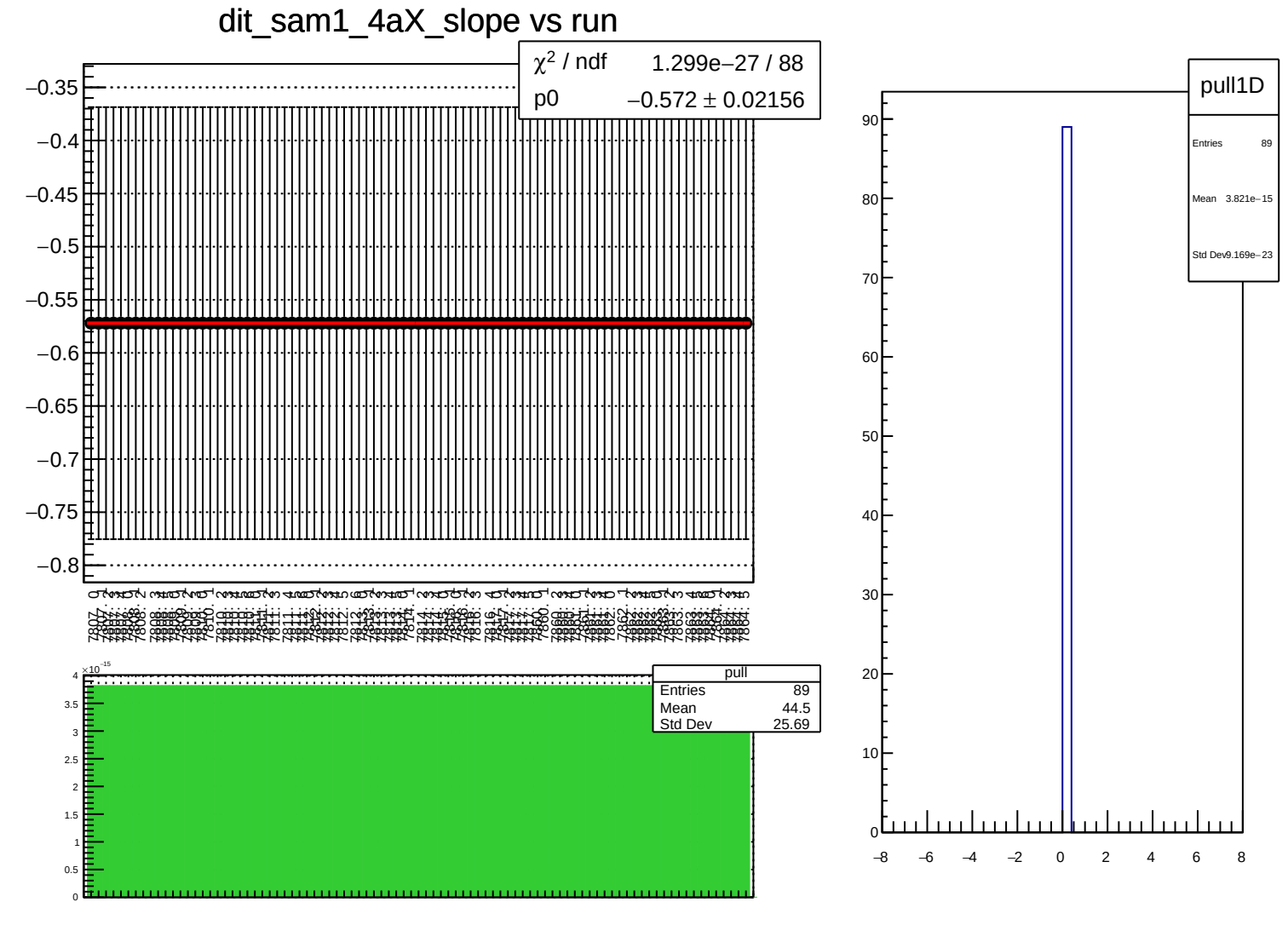

dit_atr2_4eX_slope vs run
χ² / ndf 4.299e−23 / 88
p0 822.7 ± 0.2081
825
824.5
824
823.5
823
822.5
822
821.5
821
820.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull1D
Entries 89
Mean −6.95e−13
Std Dev 2.347e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

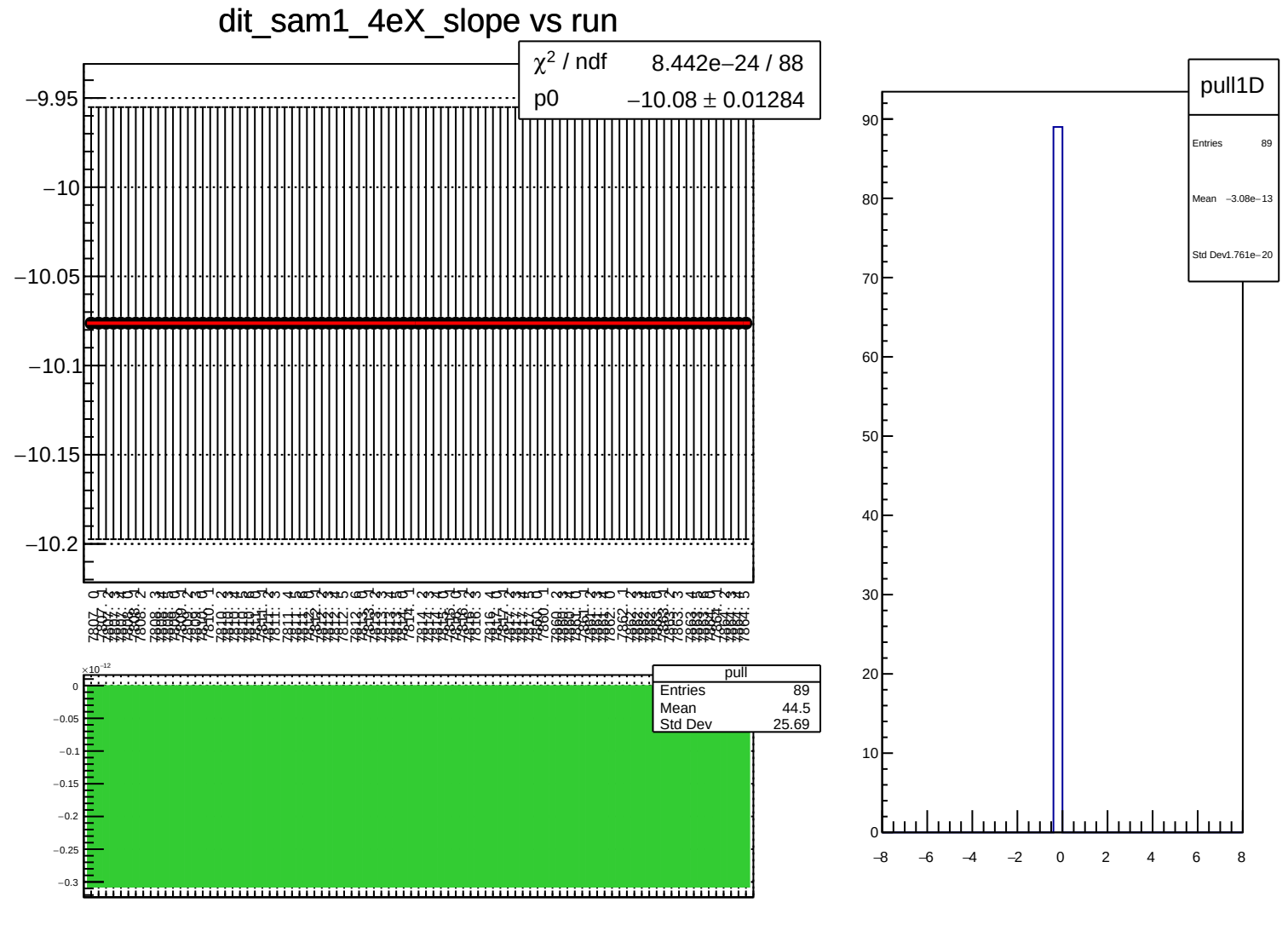

dit_atr2_11X12X_slope vs run
χ² / ndf 8.253e−24 / 88
p0 −302.2 ± 0.07915
−301.4
−301.6
−301.8
−302
−302.2
−302.4
−302.6
−302.8
−303
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 89
Mean 3.045e−13
Std Dev 2.061e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

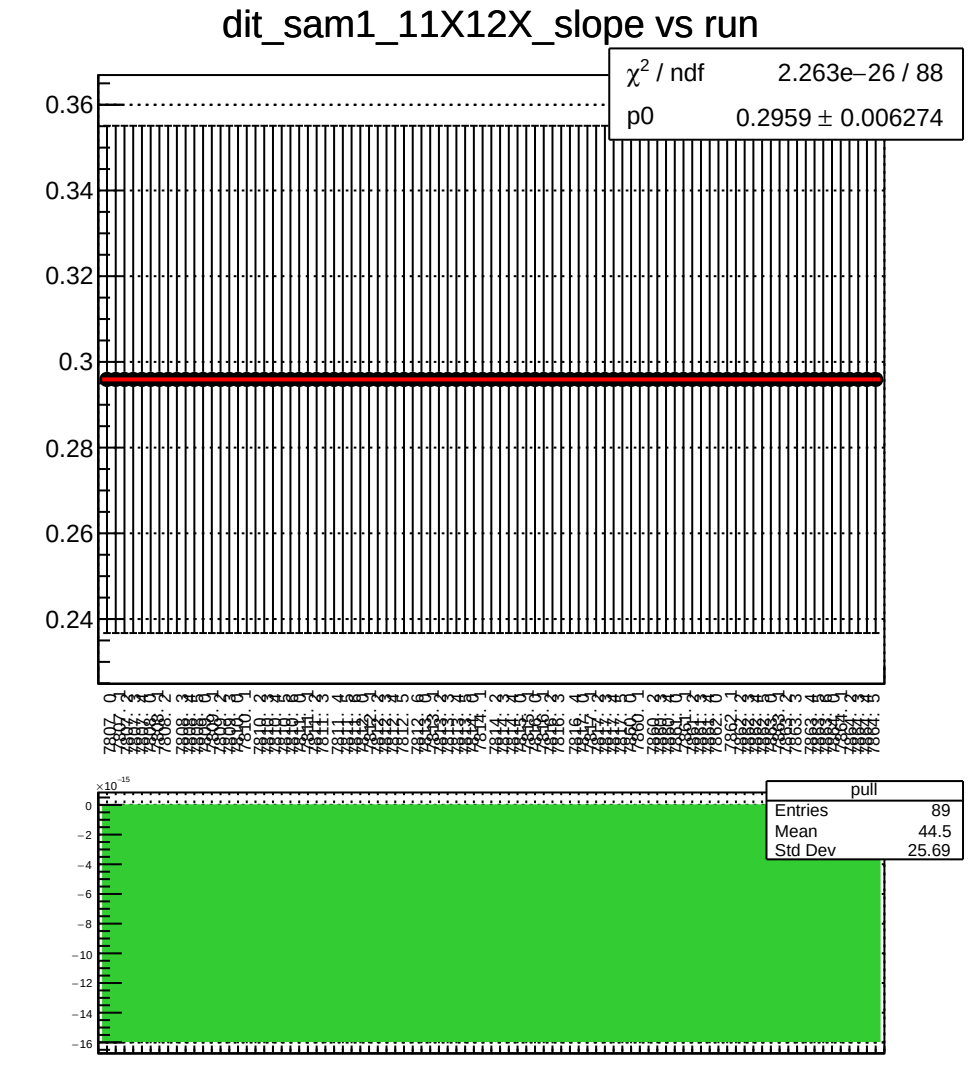

dit_atr2_4aY_slope vs run
χ² / ndf 2.354e−29 / 88
p0 13.29 ± 1.098
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 5.142e−16
Std Dev 3.439e−23

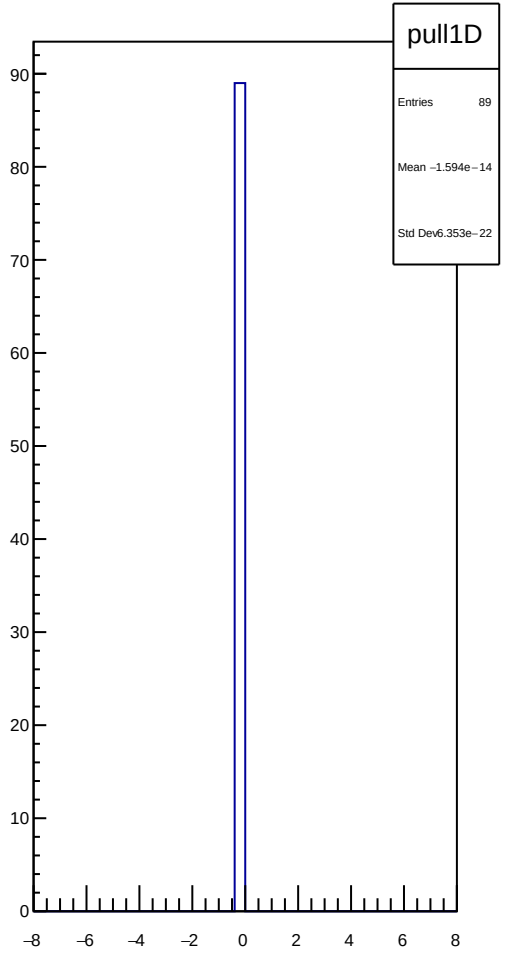

dit_atr2_4eY_slope vs run
χ² / ndf 6.5e−26 / 88
p0 137.6 ± 0.8918
pull
Entries 89
Mean 44.5
Std Dev 25.69

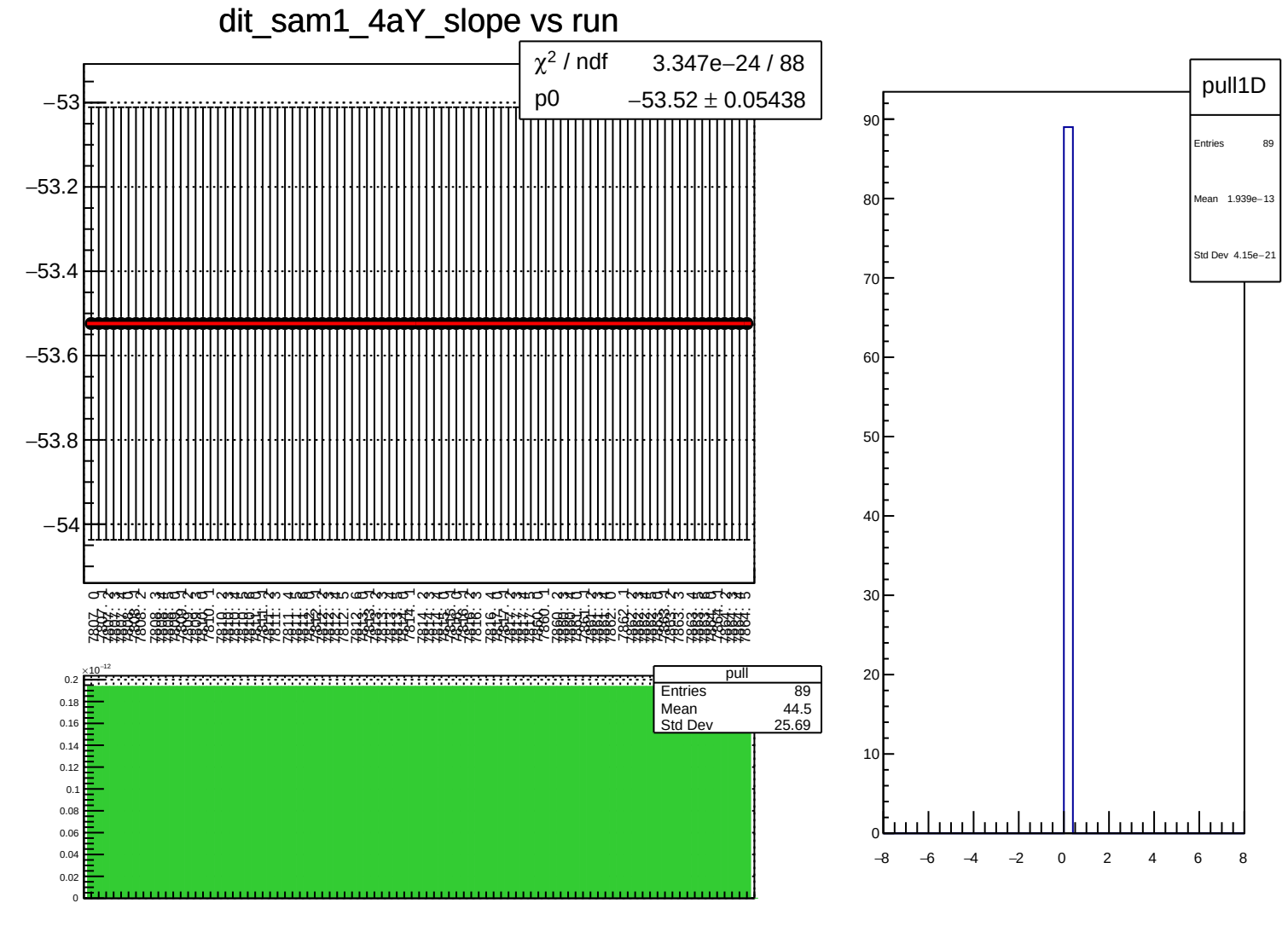

pull1D
Entries 89
Mean −2.702e−14
Std Dev 8.984e−22

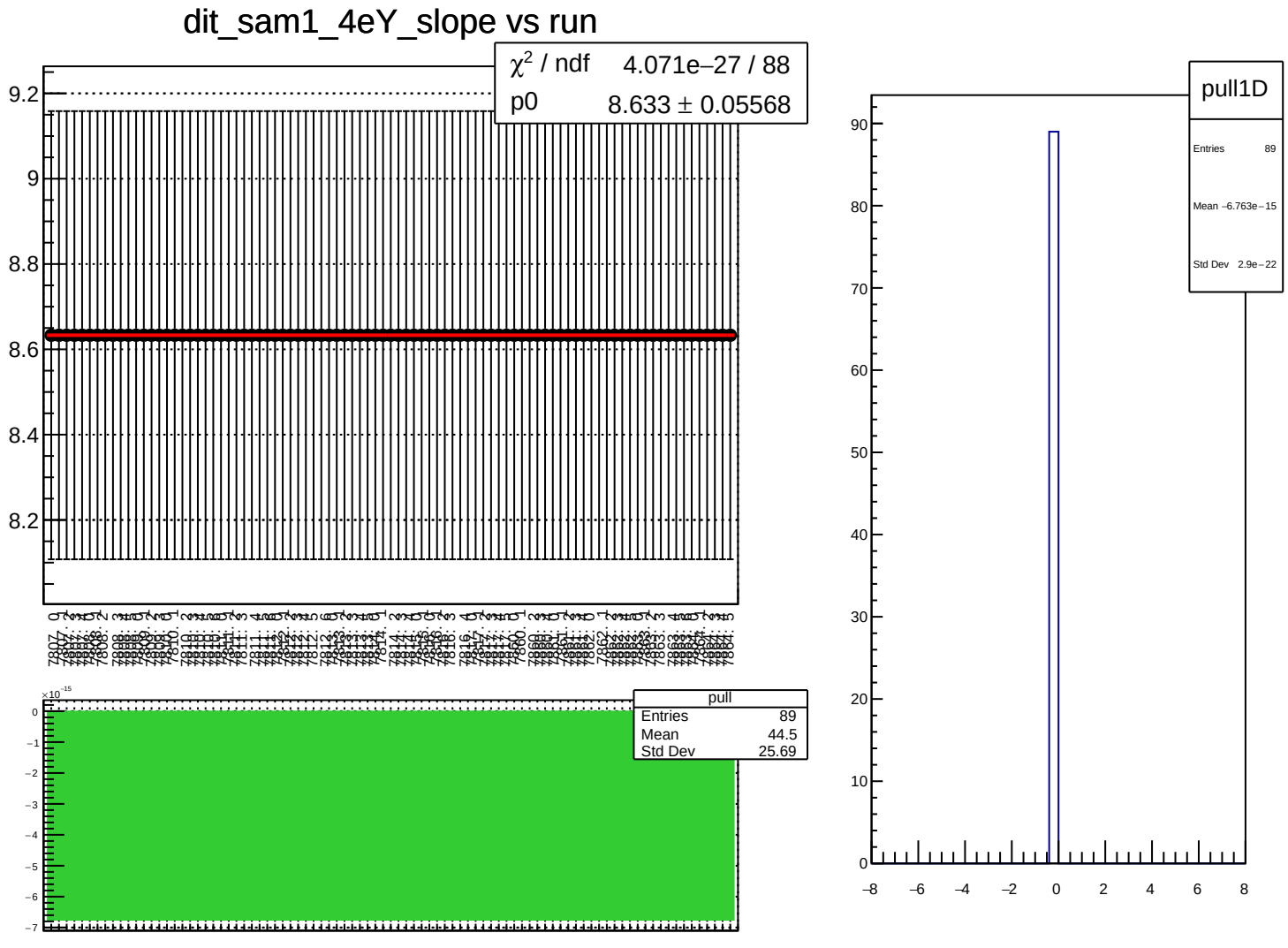

dit_sam1_4aX_slope vs run
χ² / ndf 1.299e−27 / 88
p0 −0.572 ± 0.02156
−0.35
−0.4
−0.45
−0.5
−0.55
−0.6
−0.65
−0.7
−0.75
−0.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 89
Mean 3.821e−15
Std Dev9.169e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

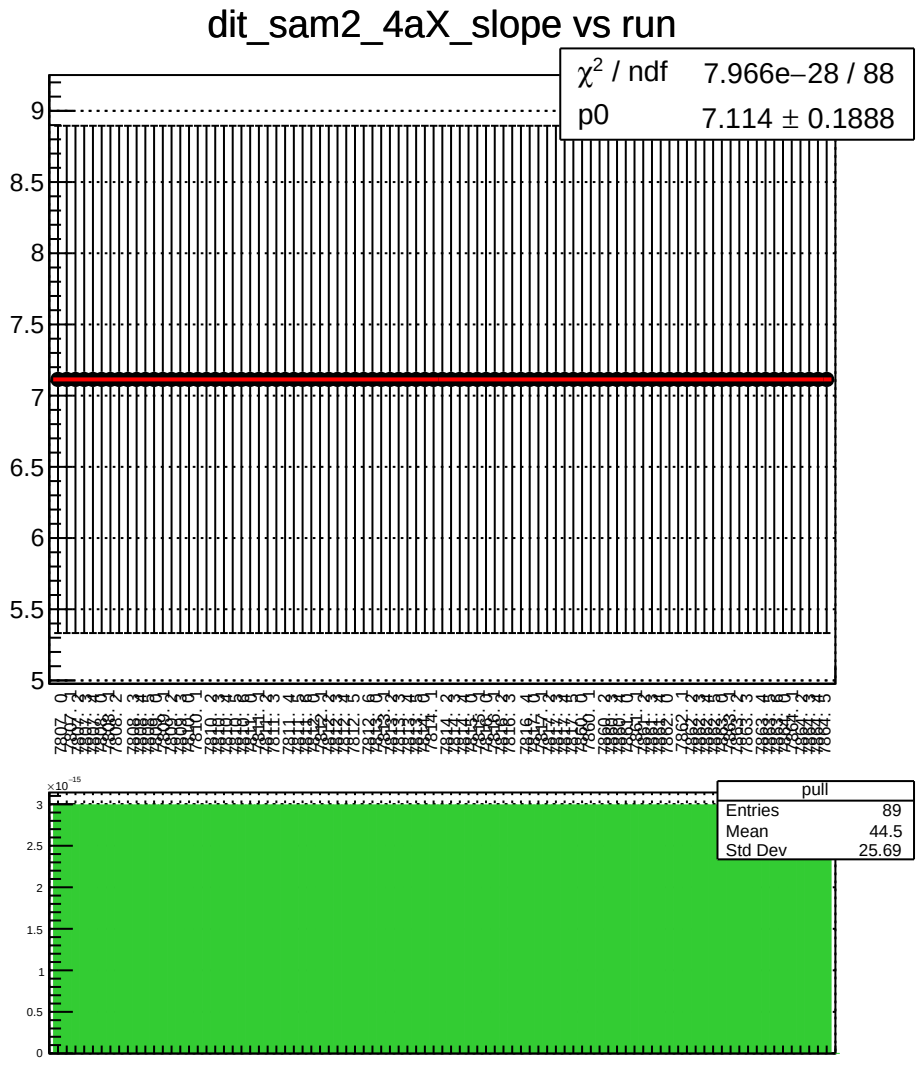

dit_sam1_4eX_slope vs run
χ² / ndf 8.442e−24 / 88
p0 −10.08 ± 0.01284
−9.95
−10
−10.05
−10.1
−10.15
−10.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 89
Mean −3.08e−13
Std Dev1.761e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

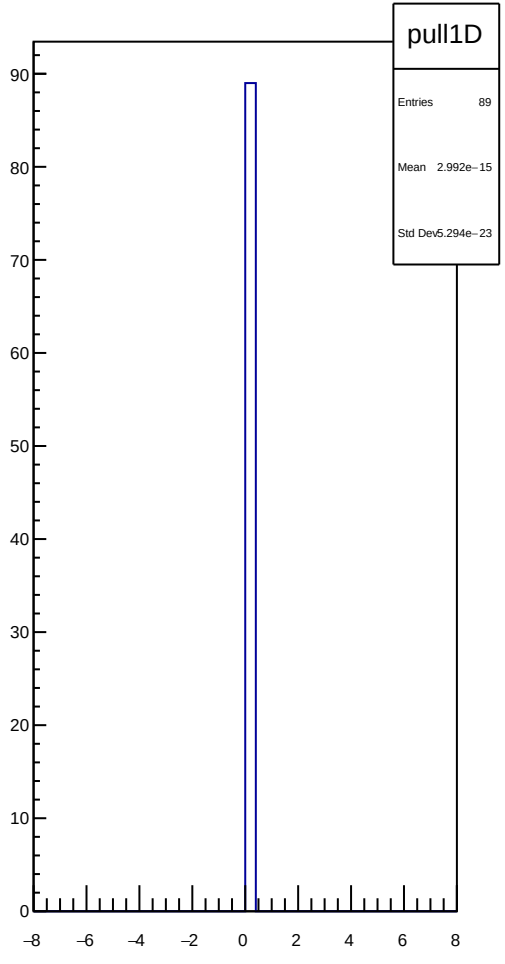

dit_sam1_11X12X_slope vs run
χ² / ndf 2.263e−26 / 88
p0 0.2959 ± 0.006274
0.36
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

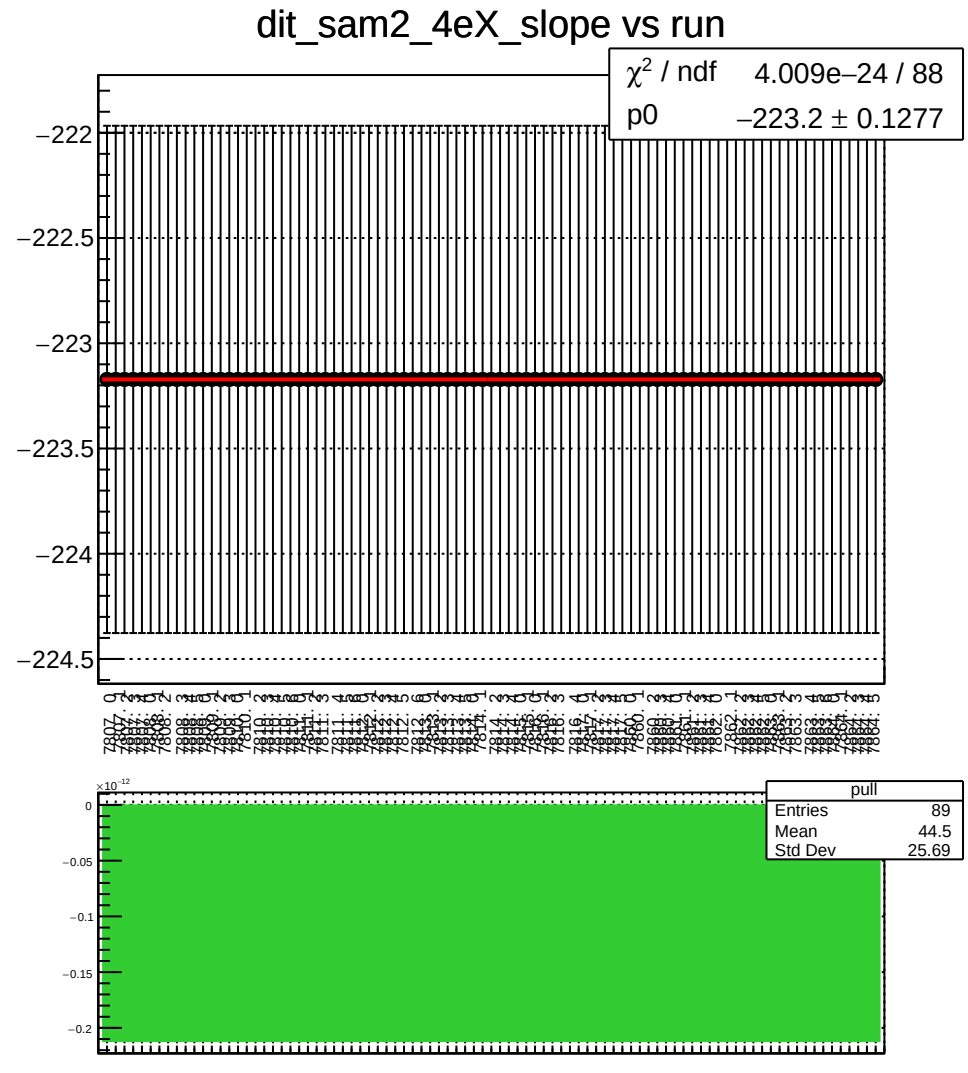

pull1D
Entries 89
Mean −1.594e−14
Std Dev 6.353e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

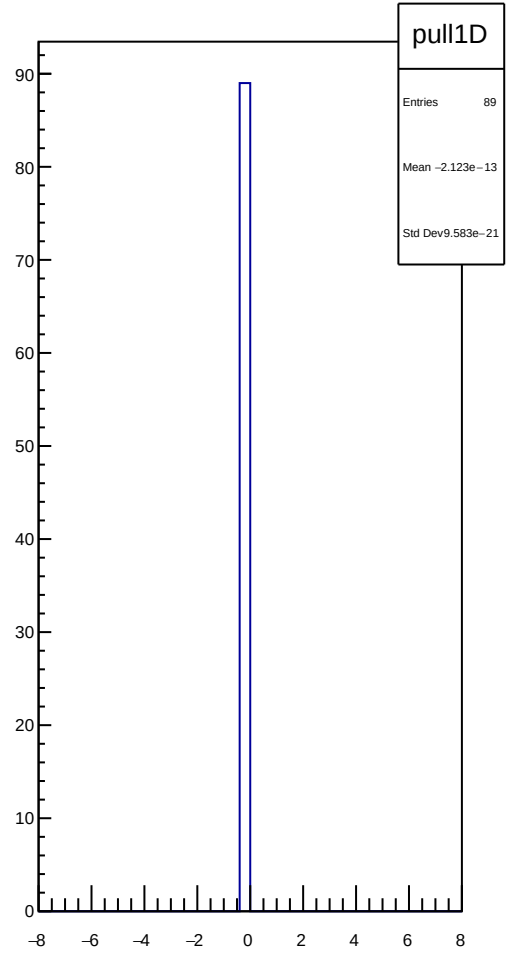

dit_sam1_4aY_slope vs run
χ² / ndf 3.347e−24 / 88
p0 −53.52 ± 0.05438
−53
−53.2
−53.4
−53.6
−53.8
−54
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.939e−13
Std Dev 4.15e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

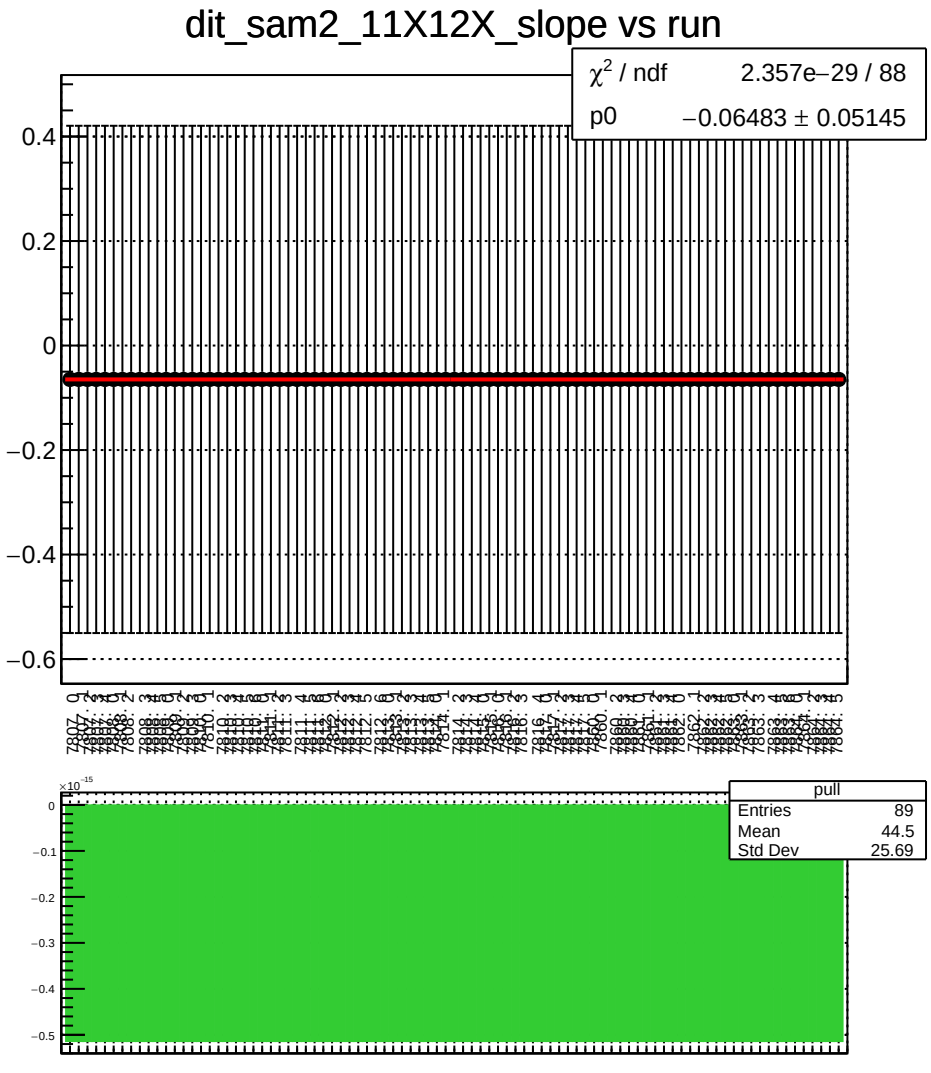

dit_sam1_4eY_slope vs run
χ² / ndf 4.071e−27 / 88
p0 8.633 ± 0.05568
9.2
9
8.8
8.6
8.4
8.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 89
Mean −6.763e−15
Std Dev 2.9e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

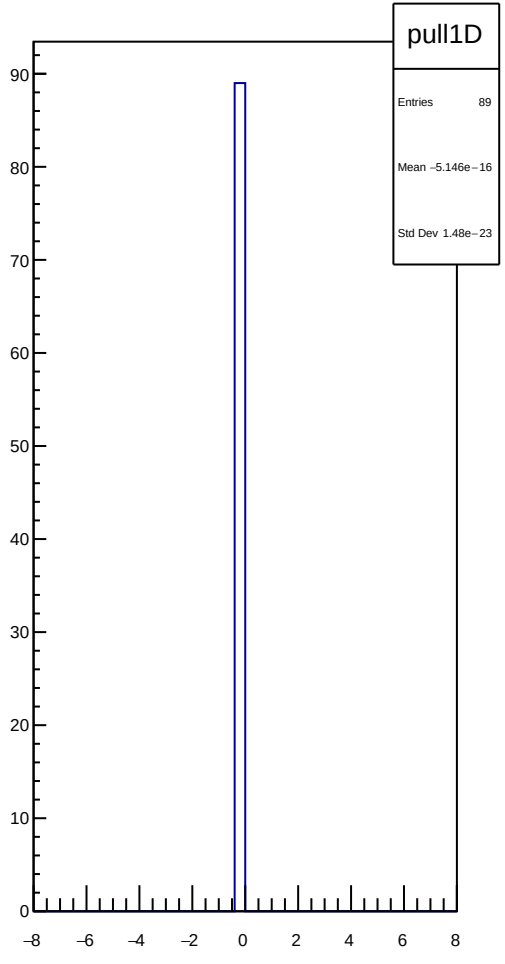

dit_sam2_4aX_slope vs run
χ² / ndf 7.966e−28 / 88
p0 7.114 ± 0.1888
pull
Entries 89
Mean 44.5
Std Dev 25.69

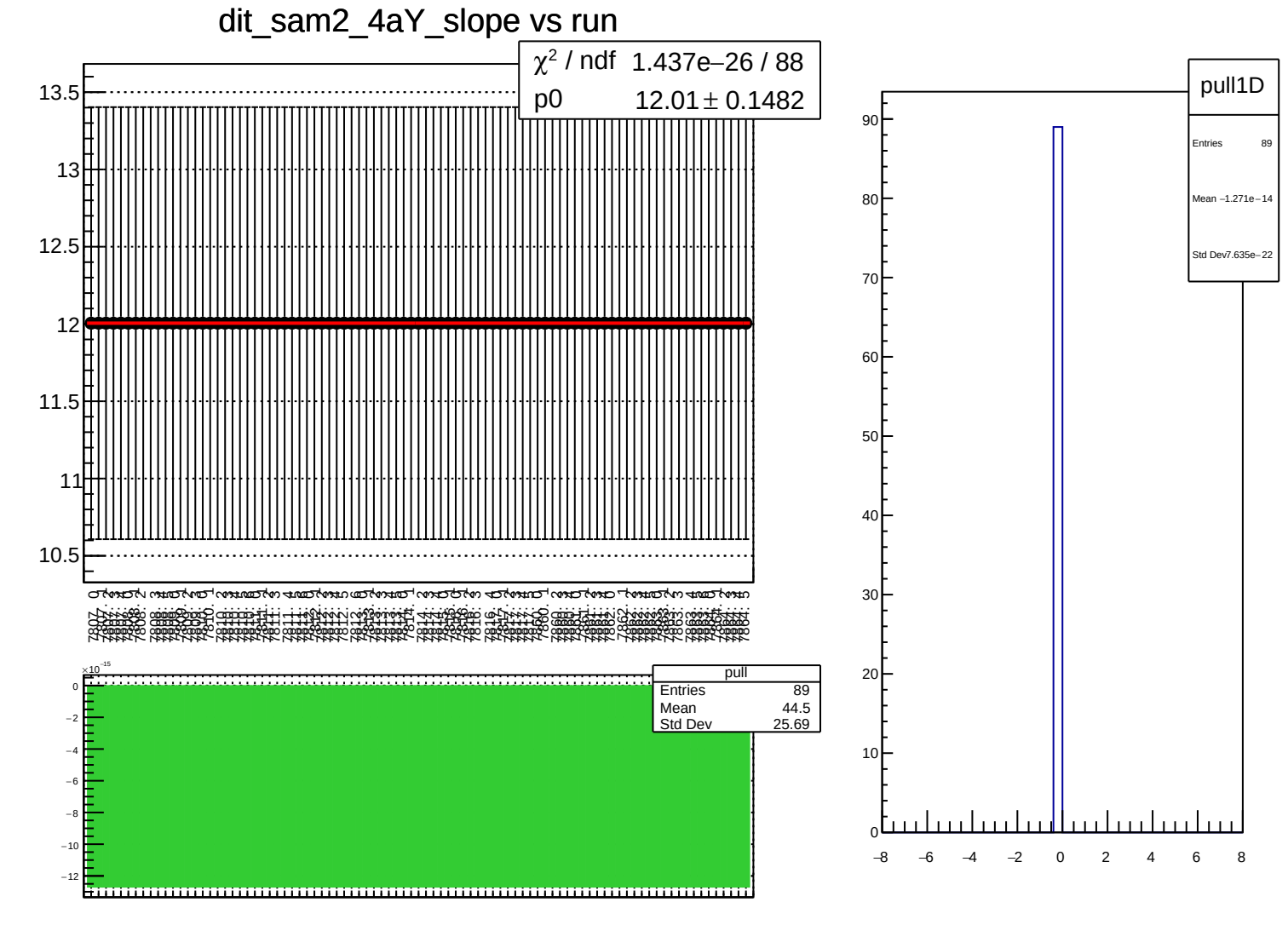

pull1D
Entries 89
Mean 2.992e−15
Std Dev 5.294e−23

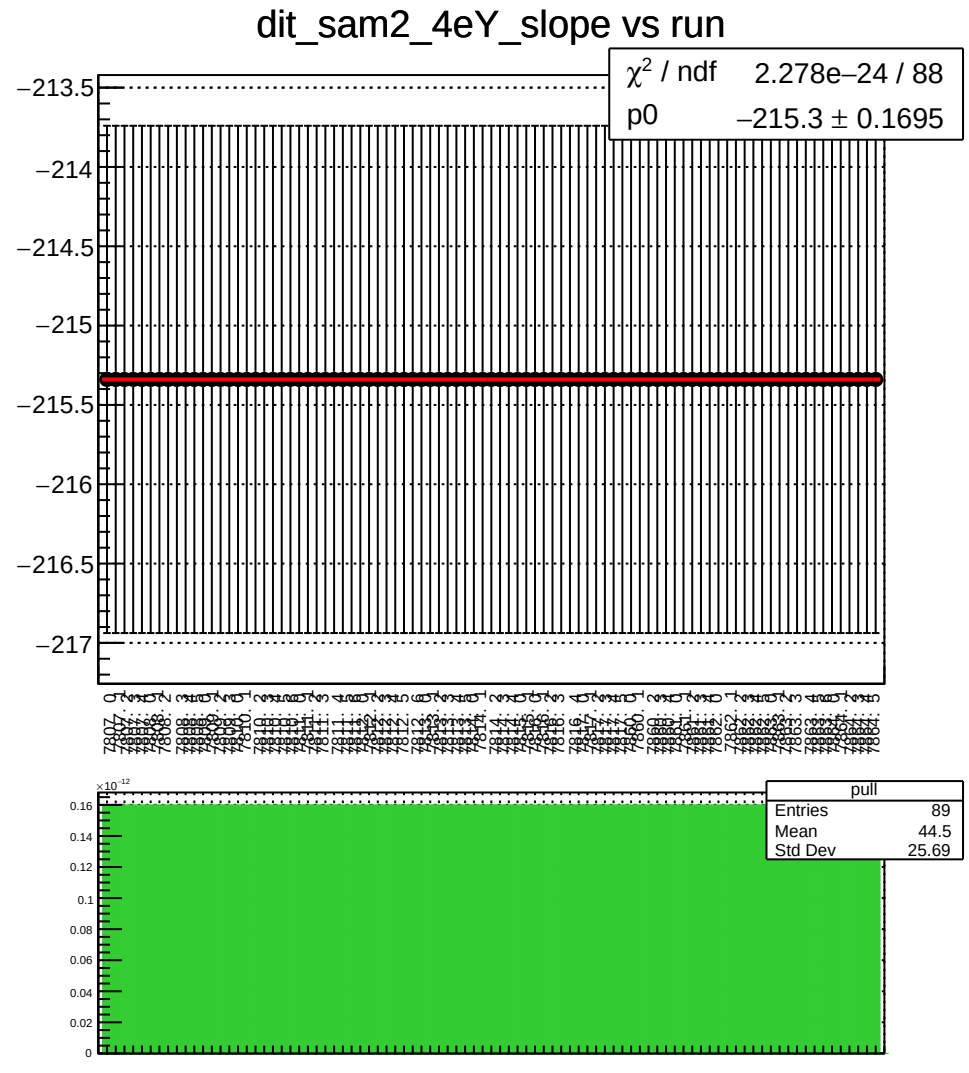

dit_sam2_4eX_slope vs run
χ² / ndf 4.009e−24 / 88
p0 −223.2 ± 0.1277
−222
−222.5
−223
−223.5
−224
−224.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

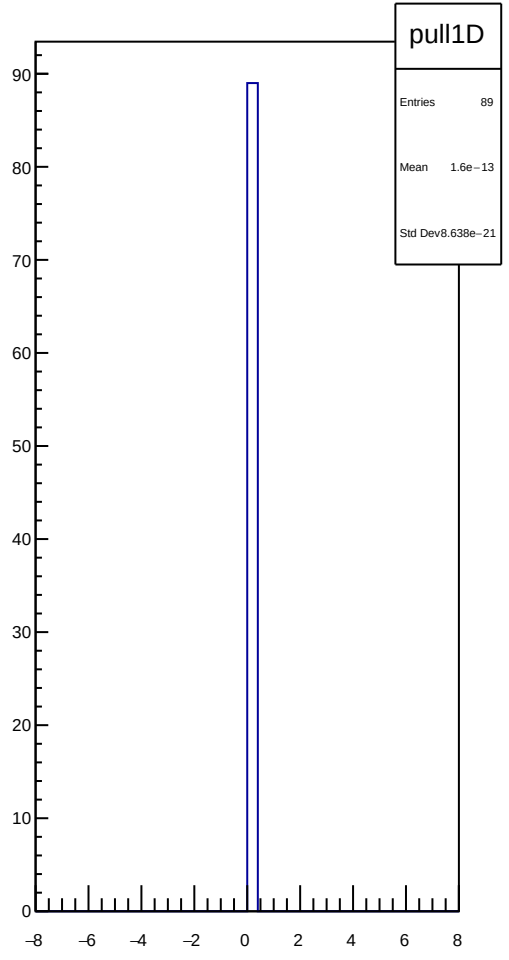

pull1D
Entries 89
Mean −2.123e−13
Std Dev9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

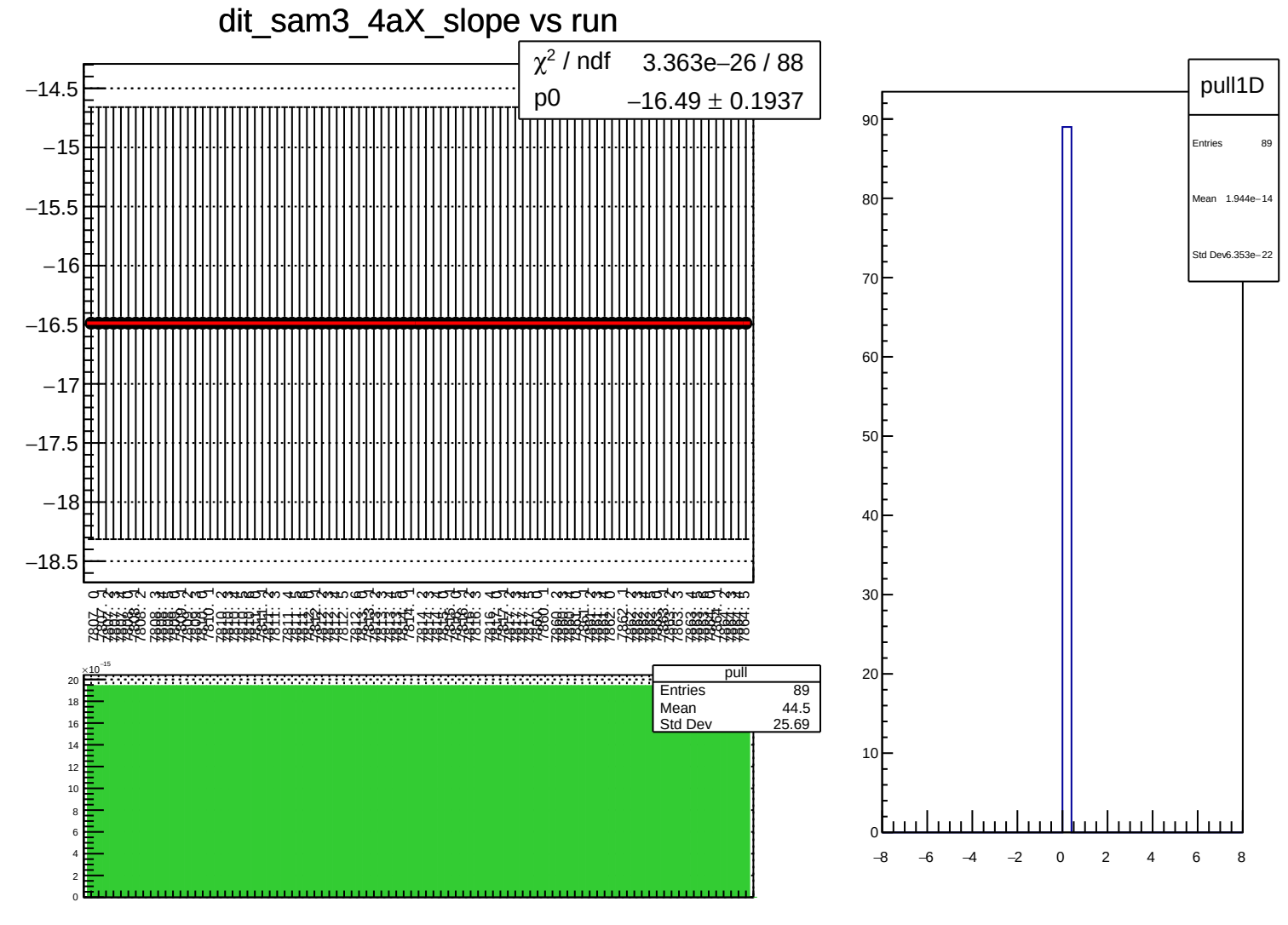

dit_sam2_11X12X_slope vs run
χ² / ndf 2.357e−29 / 88
p0 −0.06483 ± 0.05145
pull
Entries 89
Mean 44.5
Std Dev 25.69

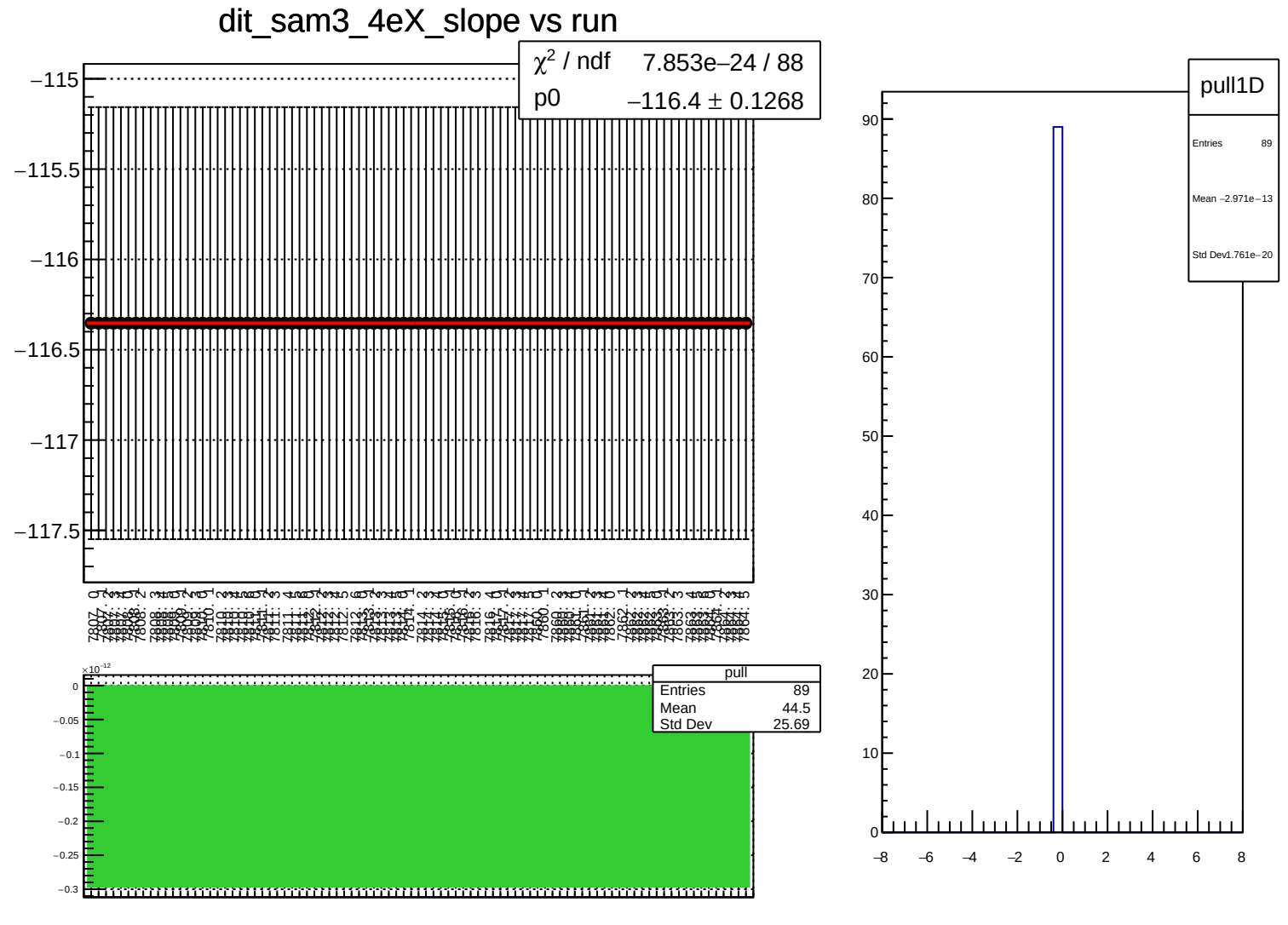

pull1D
Entries 89
Mean −5.146e−16
Std Dev 1.48e−23

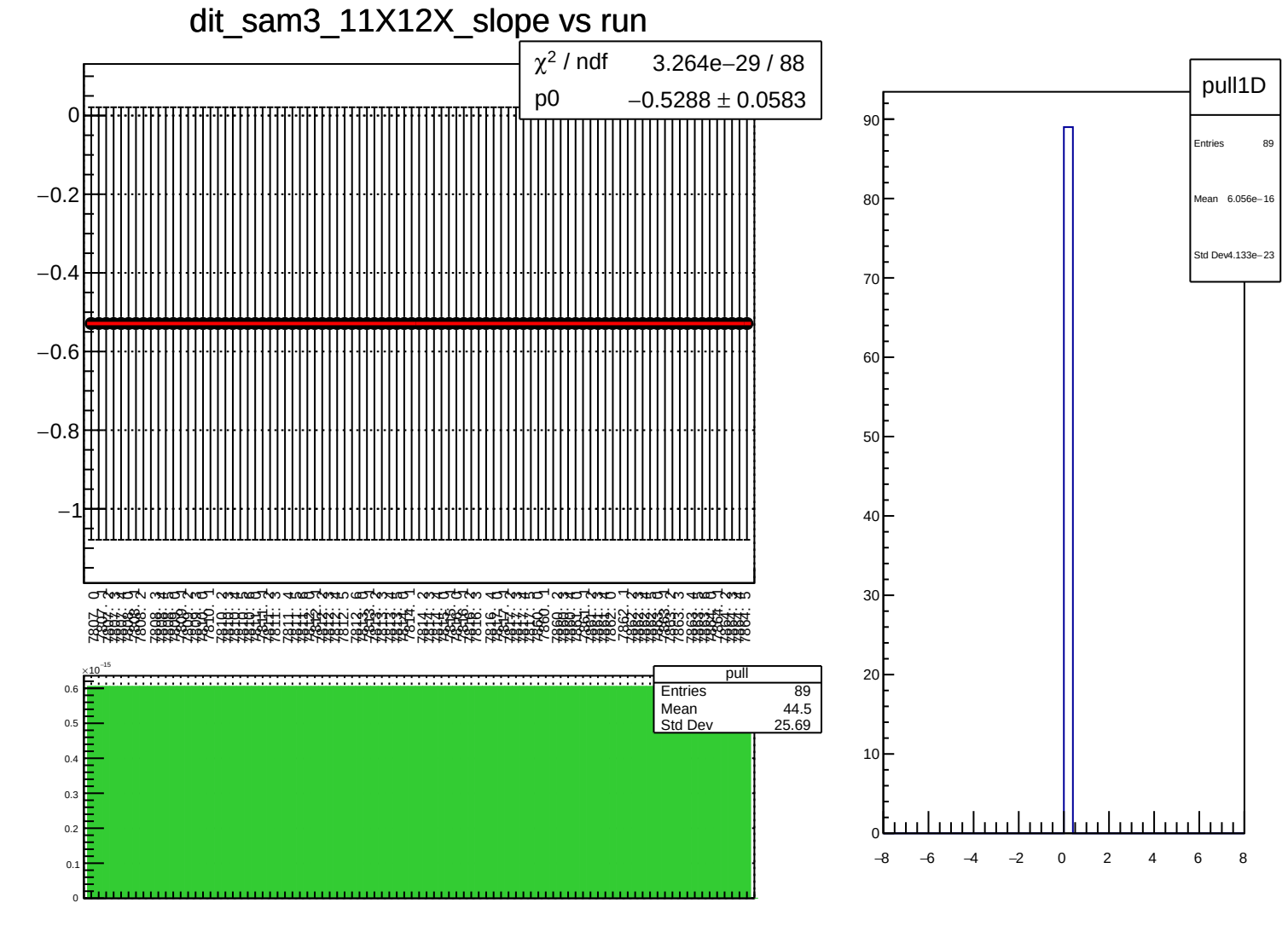

dit_sam2_4aY_slope vs run
χ² / ndf 1.437e−26 / 88
p0 12.01 ± 0.1482
13.5
13
12.5
12
11.5
11
10.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 89
Mean −1.271e−14
Std Dev7.635e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

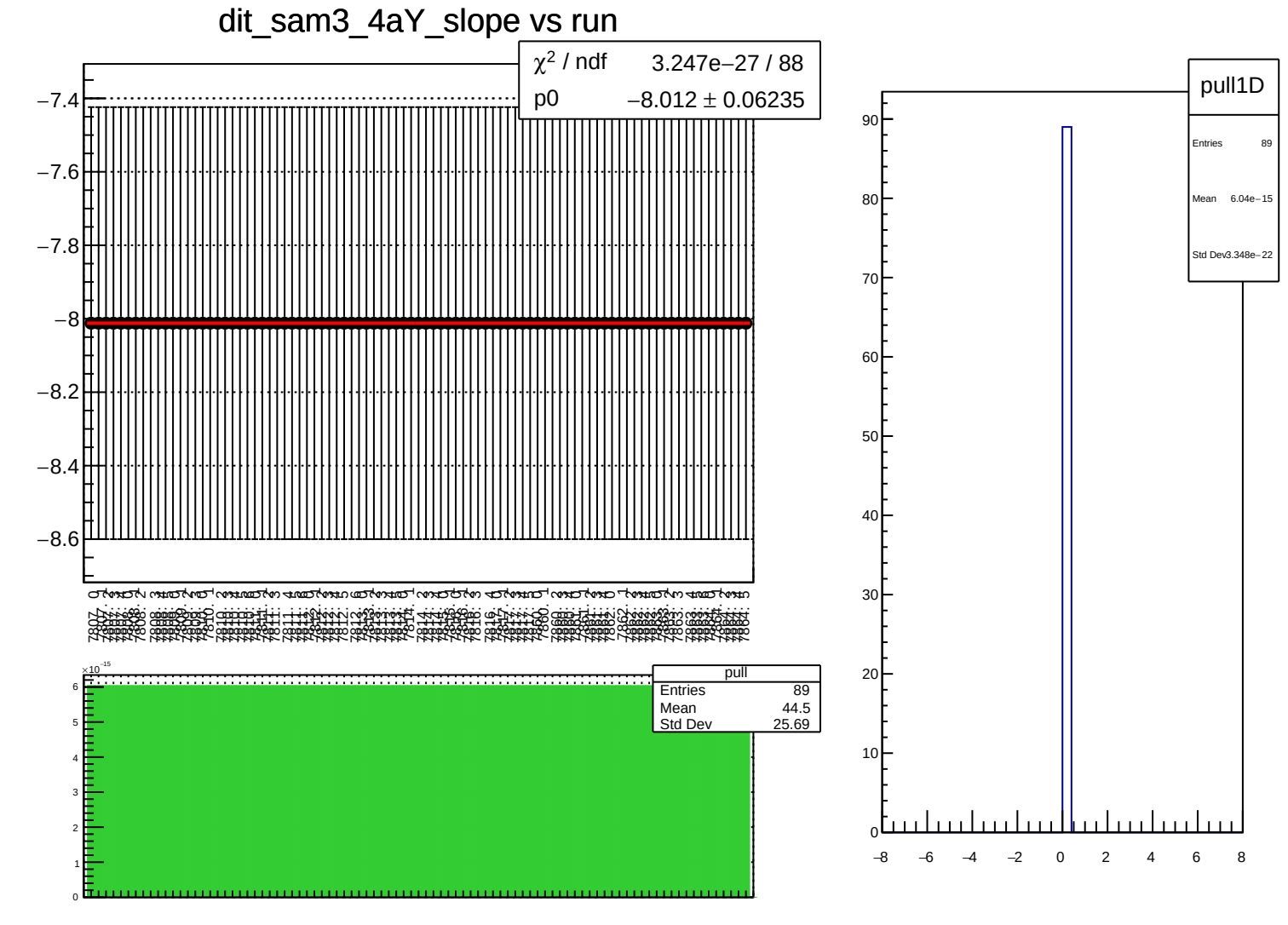

dit_sam2_4eY_slope vs run
χ² / ndf 2.278e−24 / 88
p0 −215.3 ± 0.1695
−213.5
−214
−214.5
−215
−215.5
−216
−216.5
−217
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

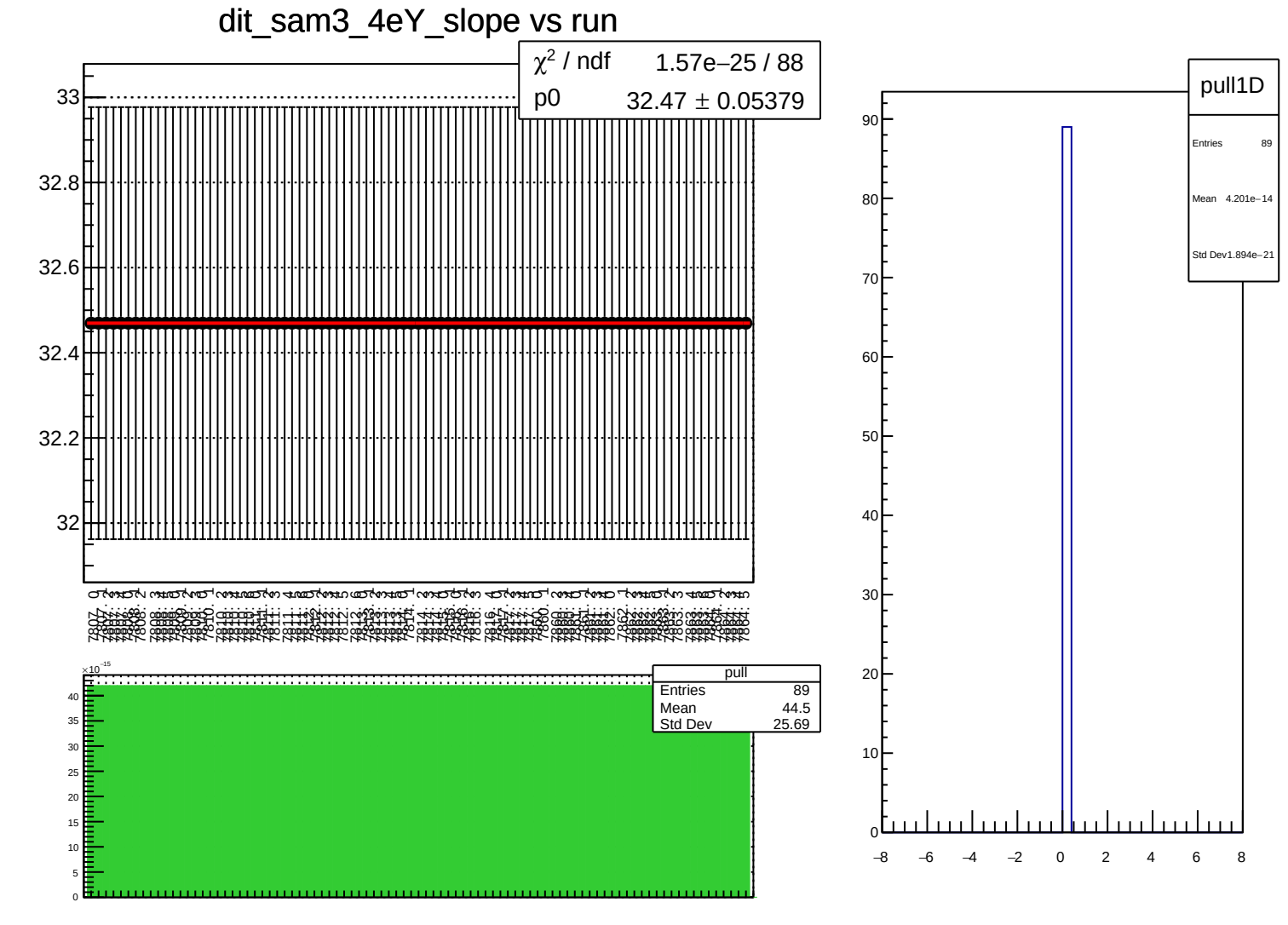

pull1D
Entries 89
Mean 1.6e−13
Std Dev 8.638e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

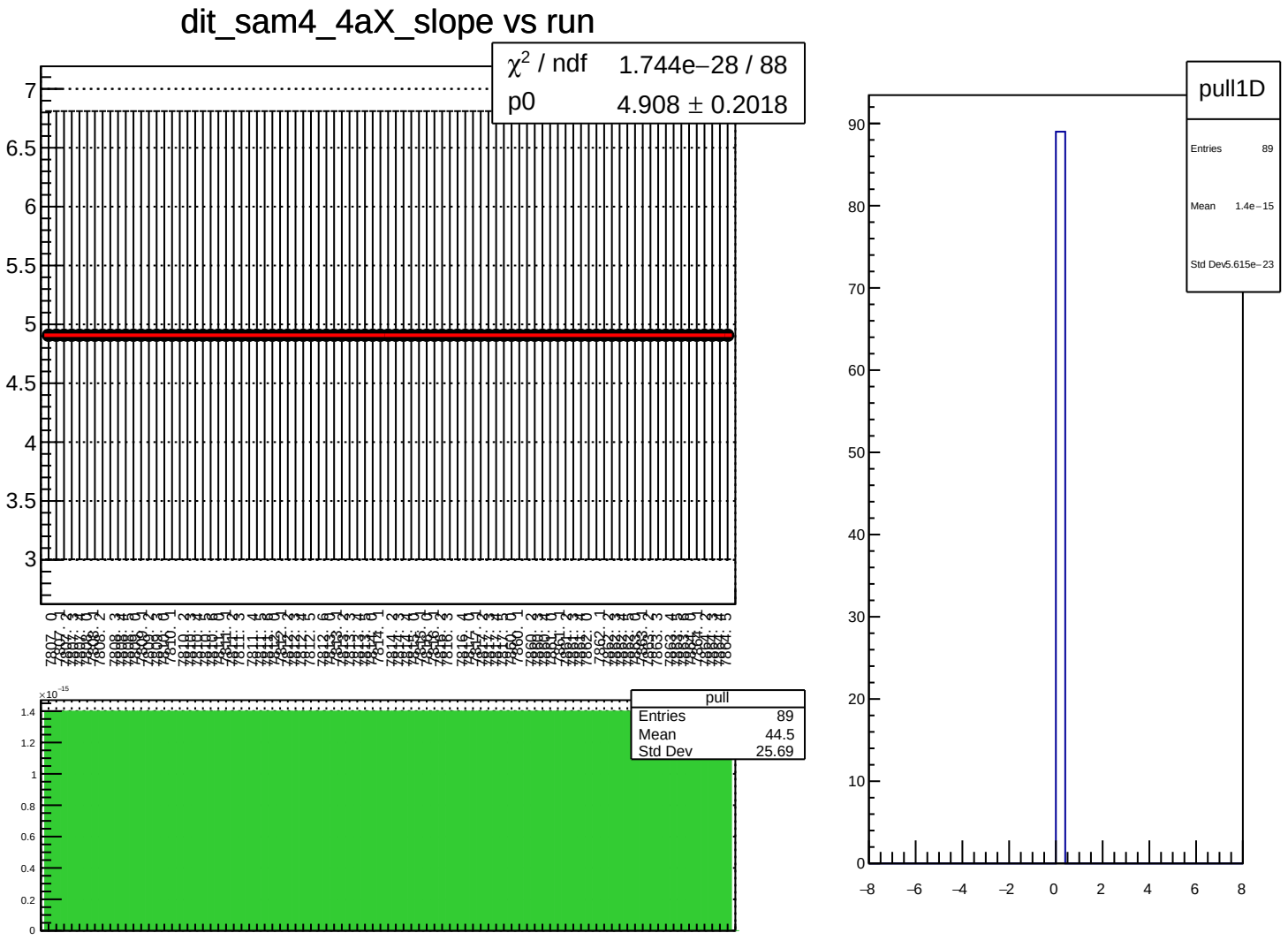

dit_sam3_4aX_slope vs run
χ² / ndf 3.363e−26 / 88
p0 −16.49 ± 0.1937
−14.5
−15
−15.5
−16
−16.5
−17
−17.5
−18
−18.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 89
Mean 1.944e−14
Std Dev 6.353e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

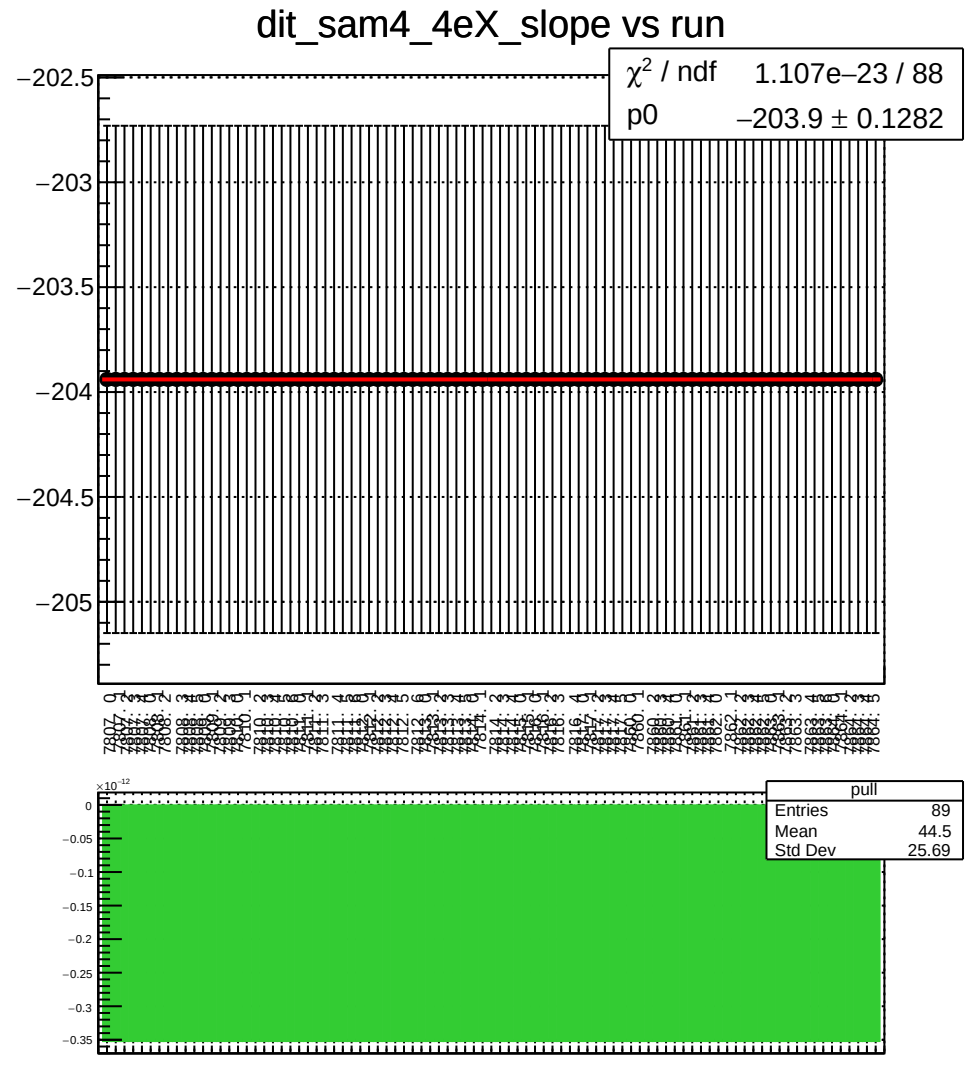

dit_sam3_4eX_slope vs run
χ² / ndf 7.853e−24 / 88
p0 −116.4 ± 0.1268
−115
−115.5
−116
−116.5
−117
−117.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 89
Mean −2.971e−13
Std Dev1.761e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

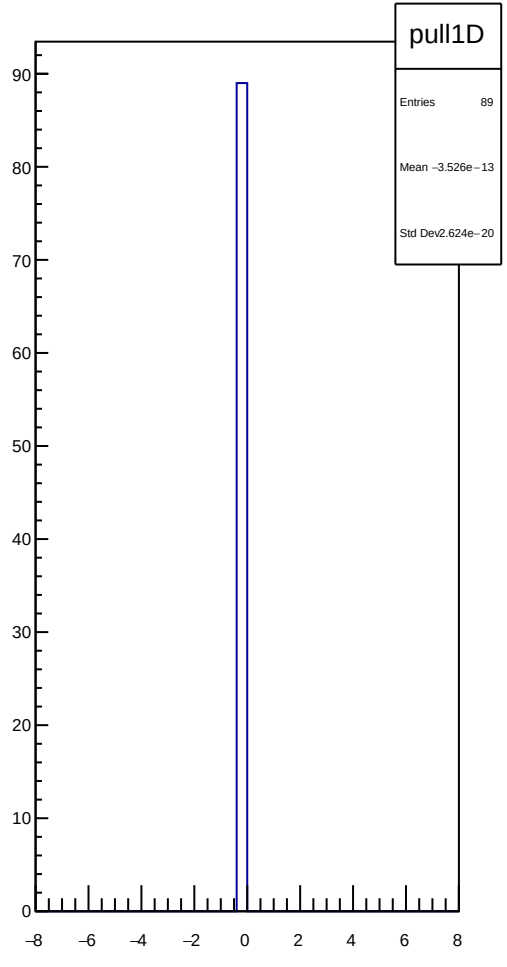

dit_sam3_11X12X_slope vs run
χ² / ndf 3.264e−29 / 88
p0 −0.5288 ± 0.0583
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 6.056e−16
Std Dev4.133e−23

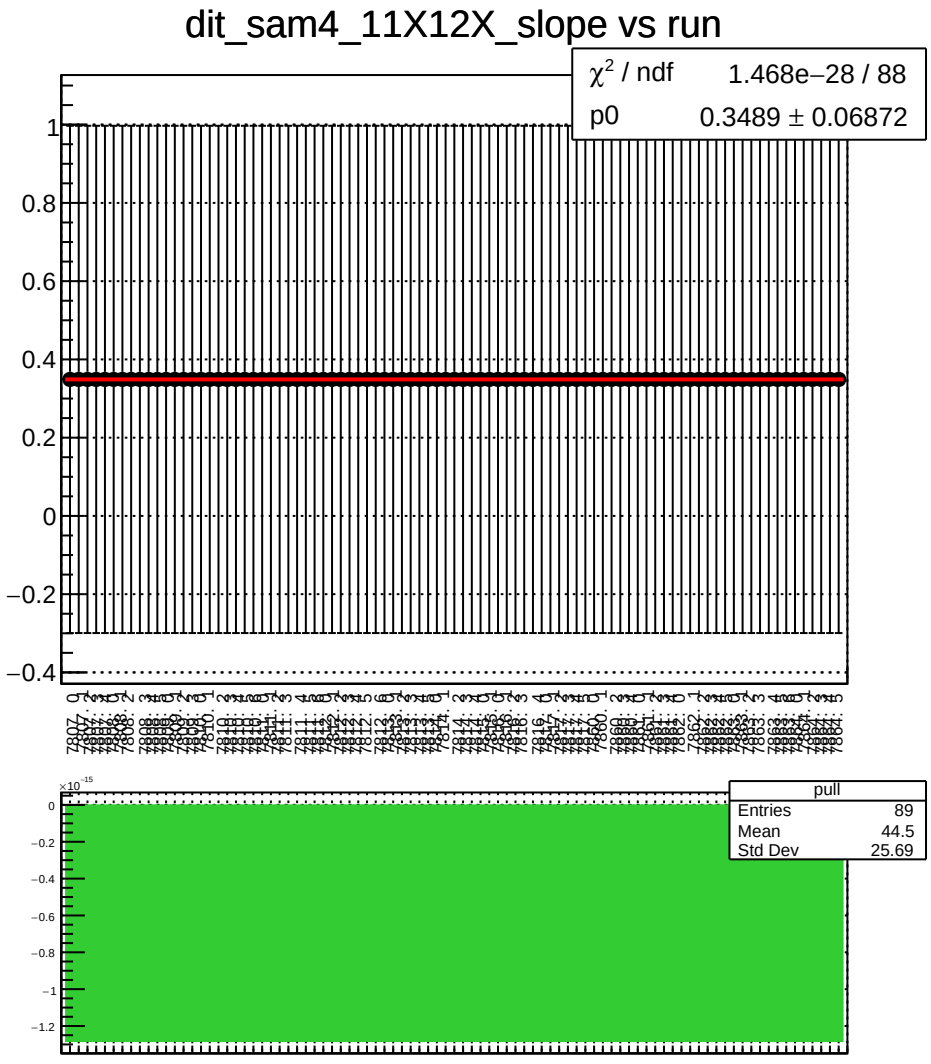

dit_sam3_4aY_slope vs run
χ² / ndf 3.247e−27 / 88
p0 −8.012 ± 0.06235
−7.4
−7.6
−7.8
−8
−8.2
−8.4
−8.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
pull1D
Entries 89
Mean 6.04e−15
Std Dev 3.348e−22

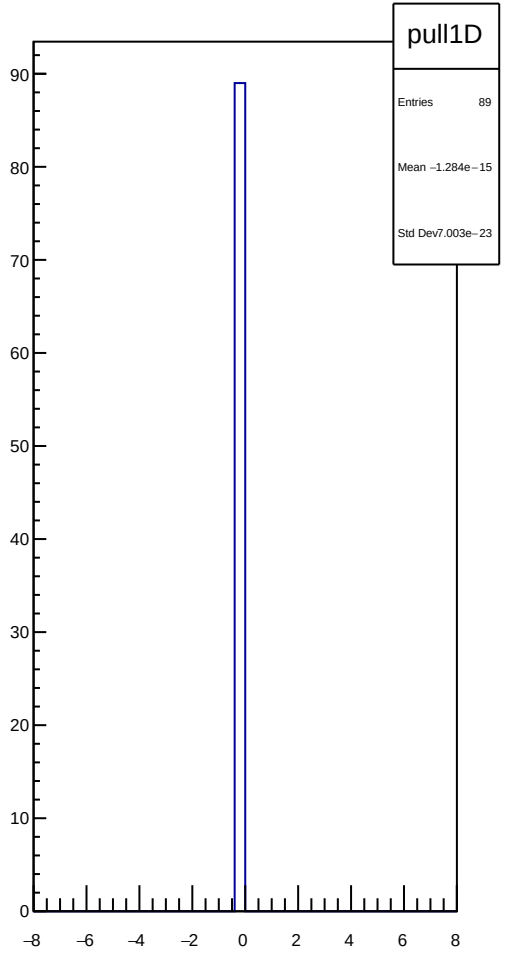

dit_sam3_4eY_slope vs run
χ² / ndf 1.57e−25 / 88
p0 32.47 ± 0.05379
33
32.8
32.6
32.4
32.2
32
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 89
Mean 4.201e−14
Std Dev 1.894e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

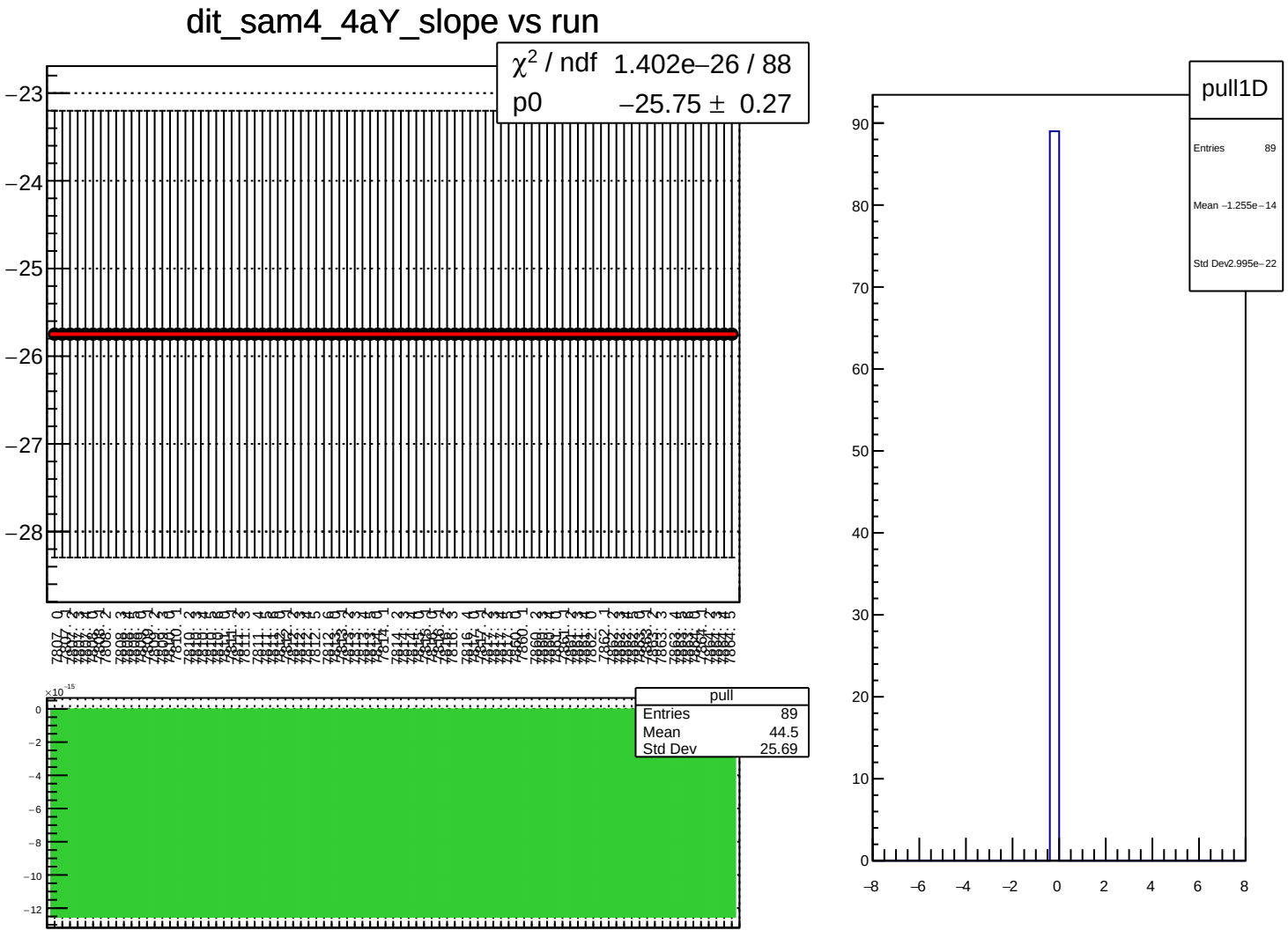

dit_sam4_4aX_slope vs run
χ² / ndf 1.744e−28 / 88
p0 4.908 ± 0.2018
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.4e−15
Std Dev 5.615e−23

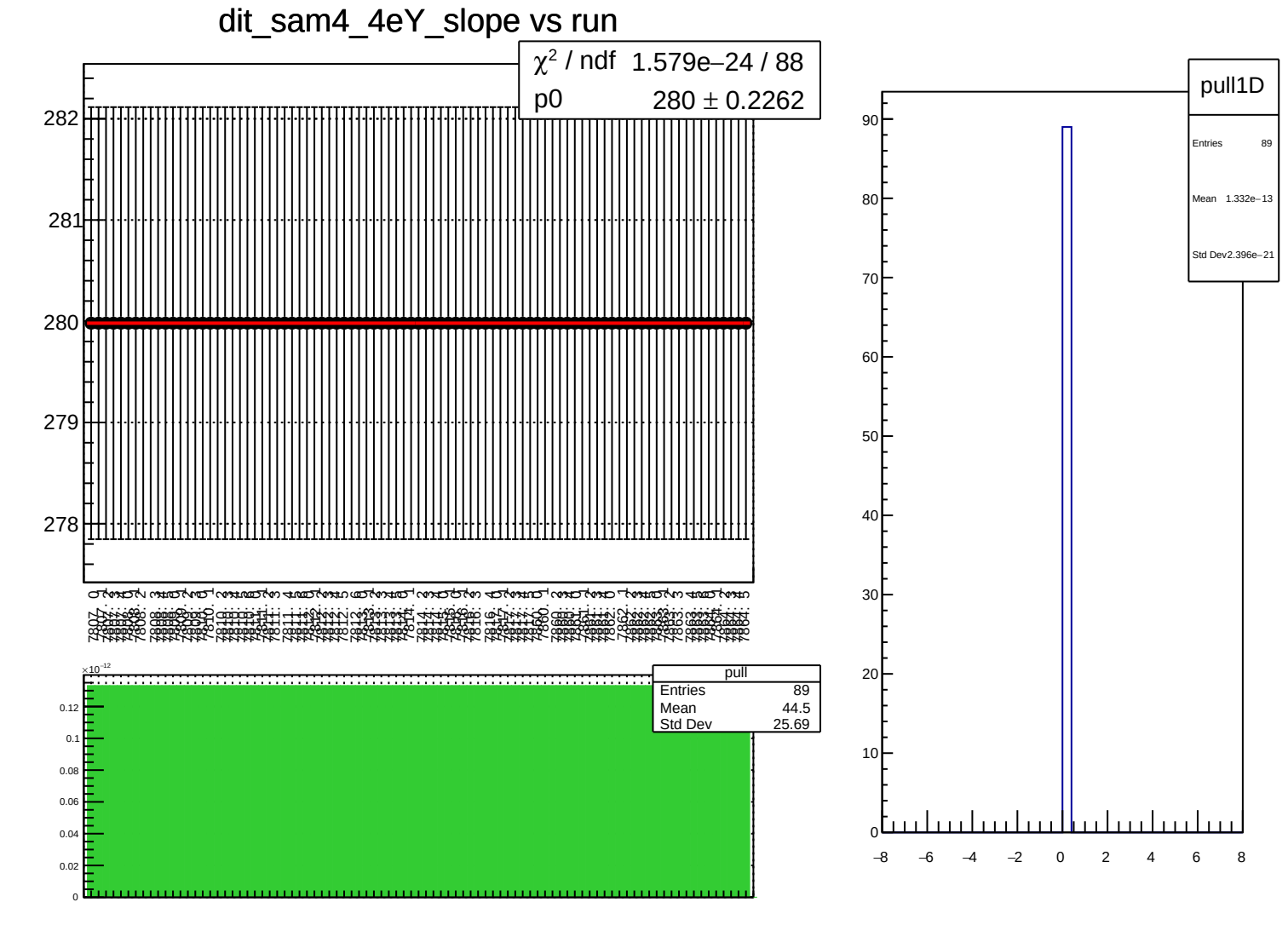

dit_sam4_4eX_slope vs run
χ² / ndf 1.107e−23 / 88
p0 −203.9 ± 0.1282
−202.5
−203
−203.5
−204
−204.5
−205
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

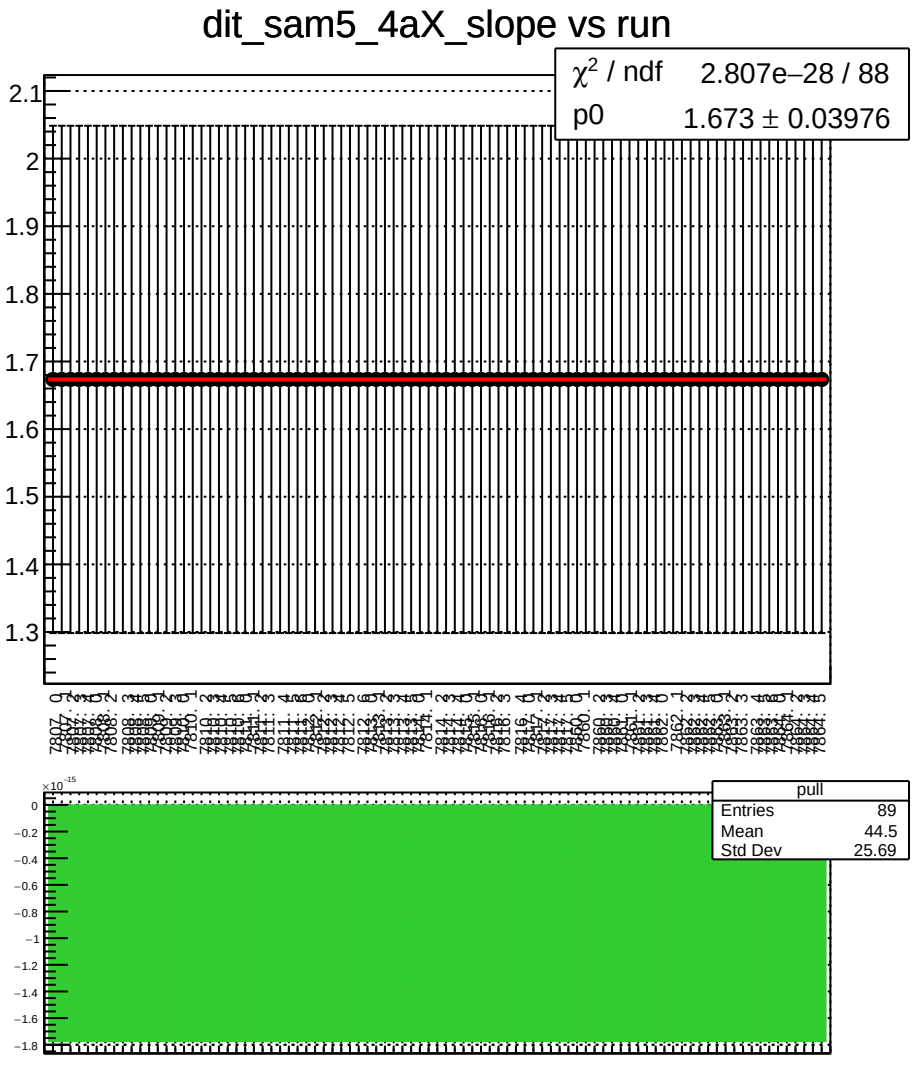

pull1D
Entries 89
Mean −3.526e−13
Std Dev 2.624e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

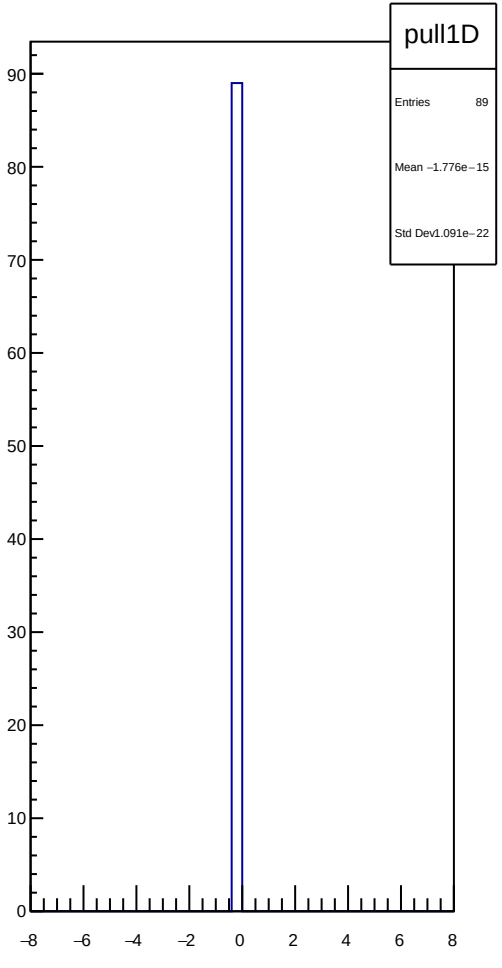

dit_sam4_11X12X_slope vs run
χ² / ndf 1.468e−28 / 88
p0 0.3489 ± 0.06872
pull
Entries 89
Mean 44.5
Std Dev 25.69

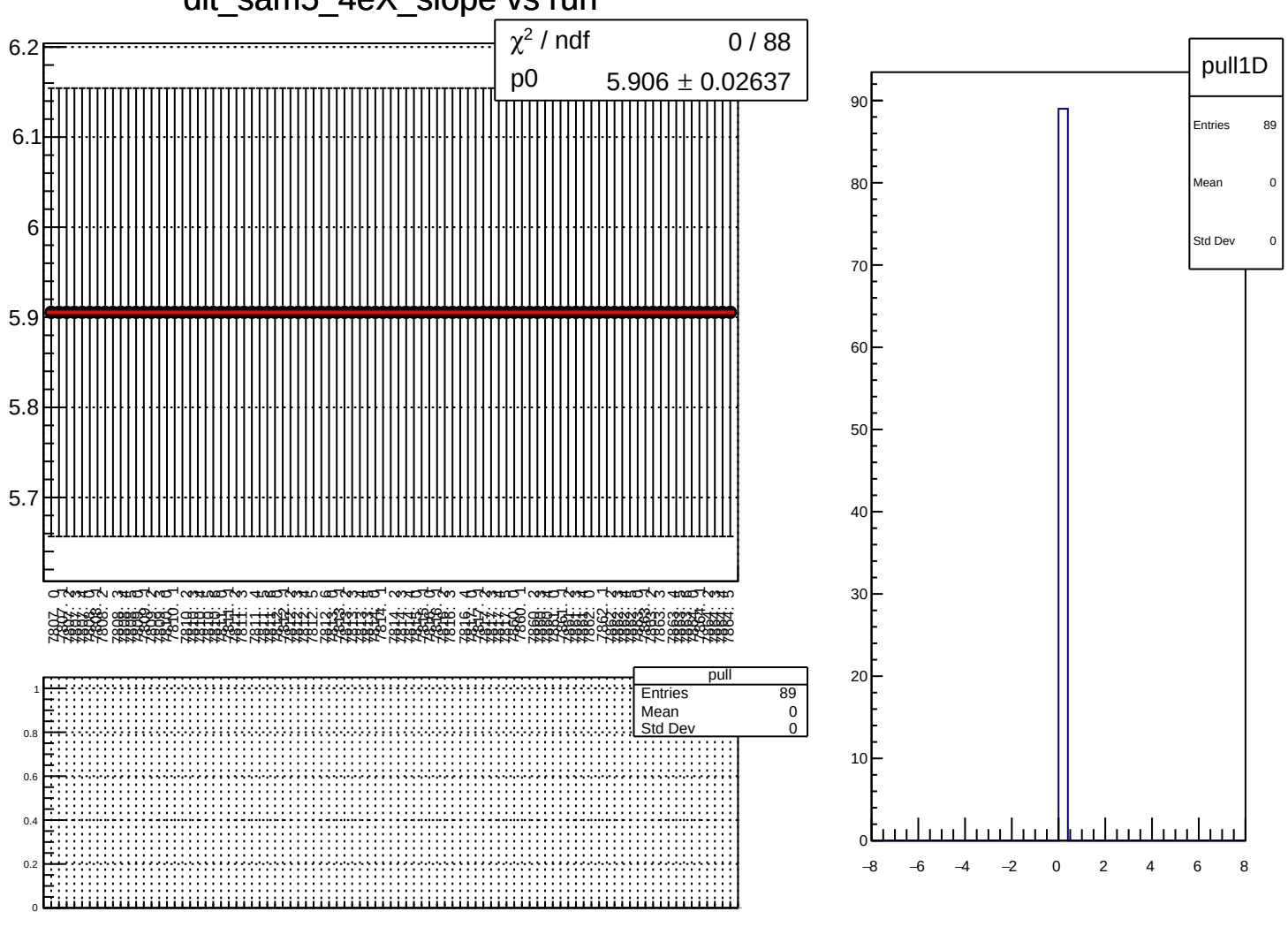

pull1D
Entries 89
Mean −1.284e−15
Std Dev7.003e−23

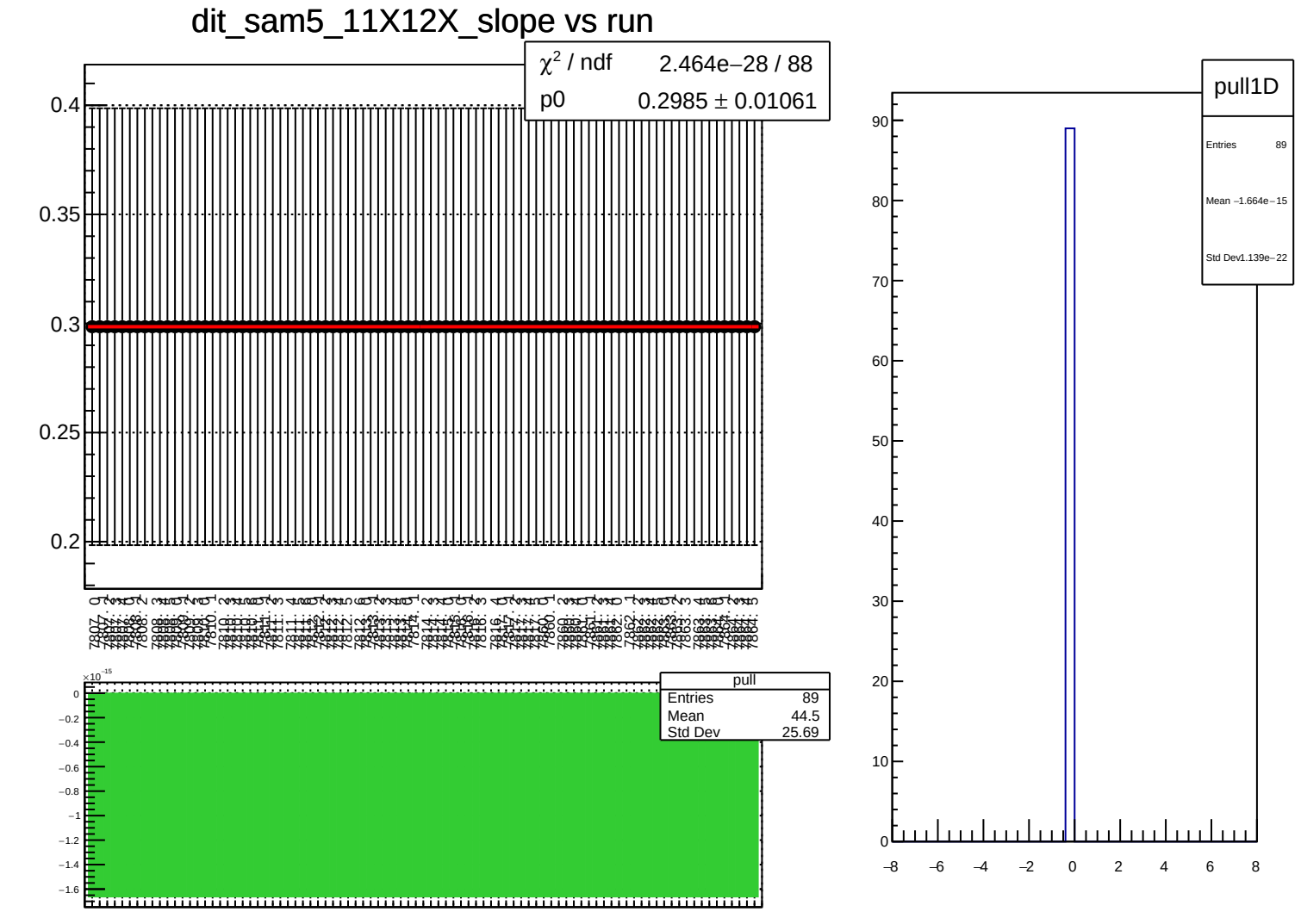

dit_sam4_4aY_slope vs run
χ² / ndf 1.402e−26 / 88
p0 −25.75 ± 0.27
−23
−24
−25
−26
−27
−28
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 89
Mean −1.255e−14
Std Dev 2.995e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

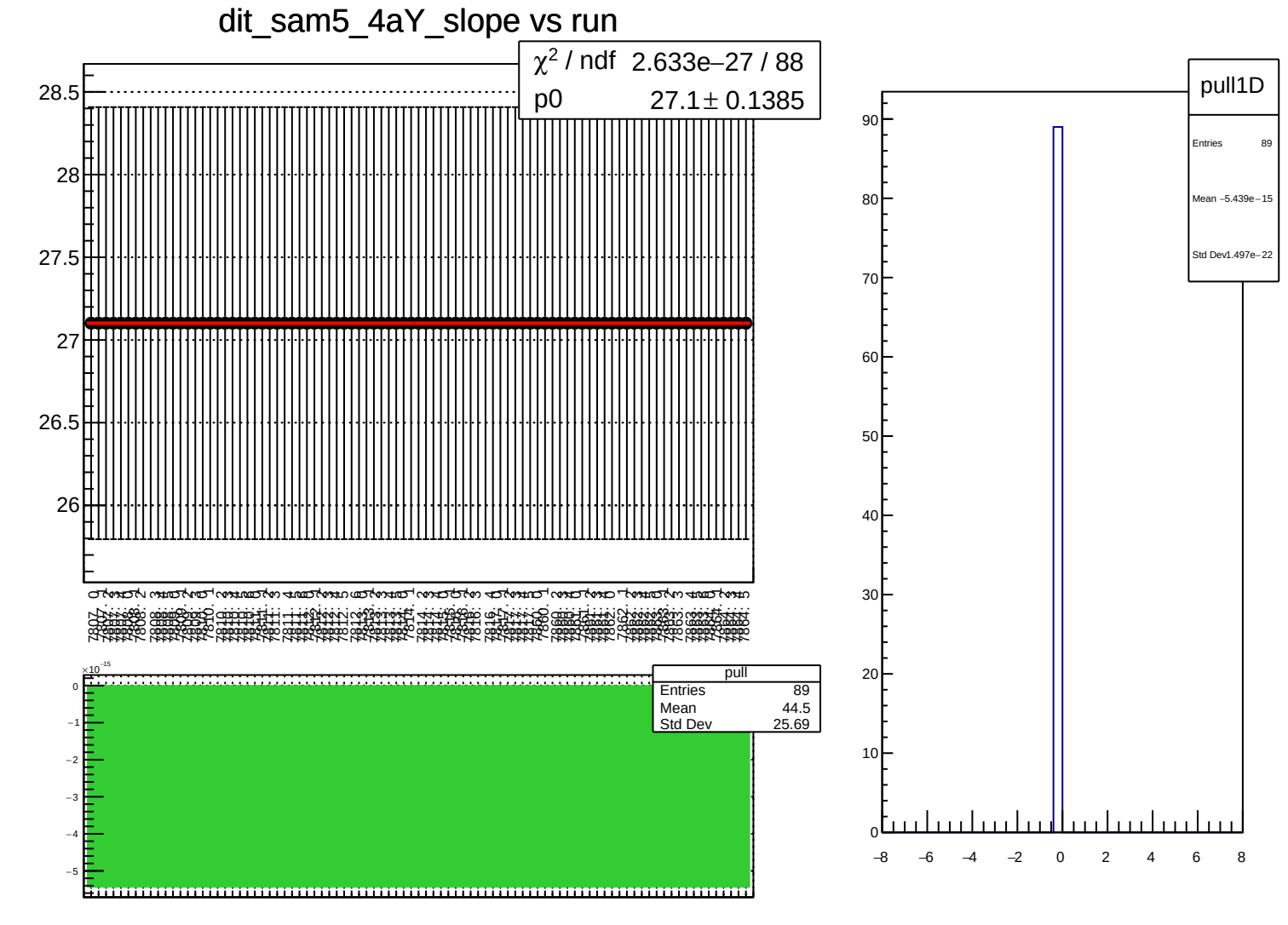

dit_sam4_4eY_slope vs run
χ² / ndf 1.579e−24 / 88
p0 280 ± 0.2262
282
281
280
279
278
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.332e−13
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_4aX_slope vs run
χ² / ndf 2.807e−28 / 88
p0 1.673 ± 0.03976
pull
Entries 89
Mean 44.5
Std Dev 25.69


pull1D
Entries 89
Mean −1.776e−15
Std Dev1.091e−22


dit_sam5_4eX_slope vs run
χ² / ndf 0 / 88
p0 5.906 ± 0.02637
6.2
6.1
6
5.9
5.8
5.7
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8


dit_sam5_11X12X_slope vs run
χ² / ndf 2.464e−28 / 88
p0 0.2985 ± 0.01061
0.4
0.35
0.3
0.25
0.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 89
Mean −1.664e−15
Std Dev1.139e−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 2.633e−27 / 88
p0 27.1 ± 0.1385
28.5
28
27.5
27
26.5
26
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull1D
Entries 89
Mean −5.439e−15
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
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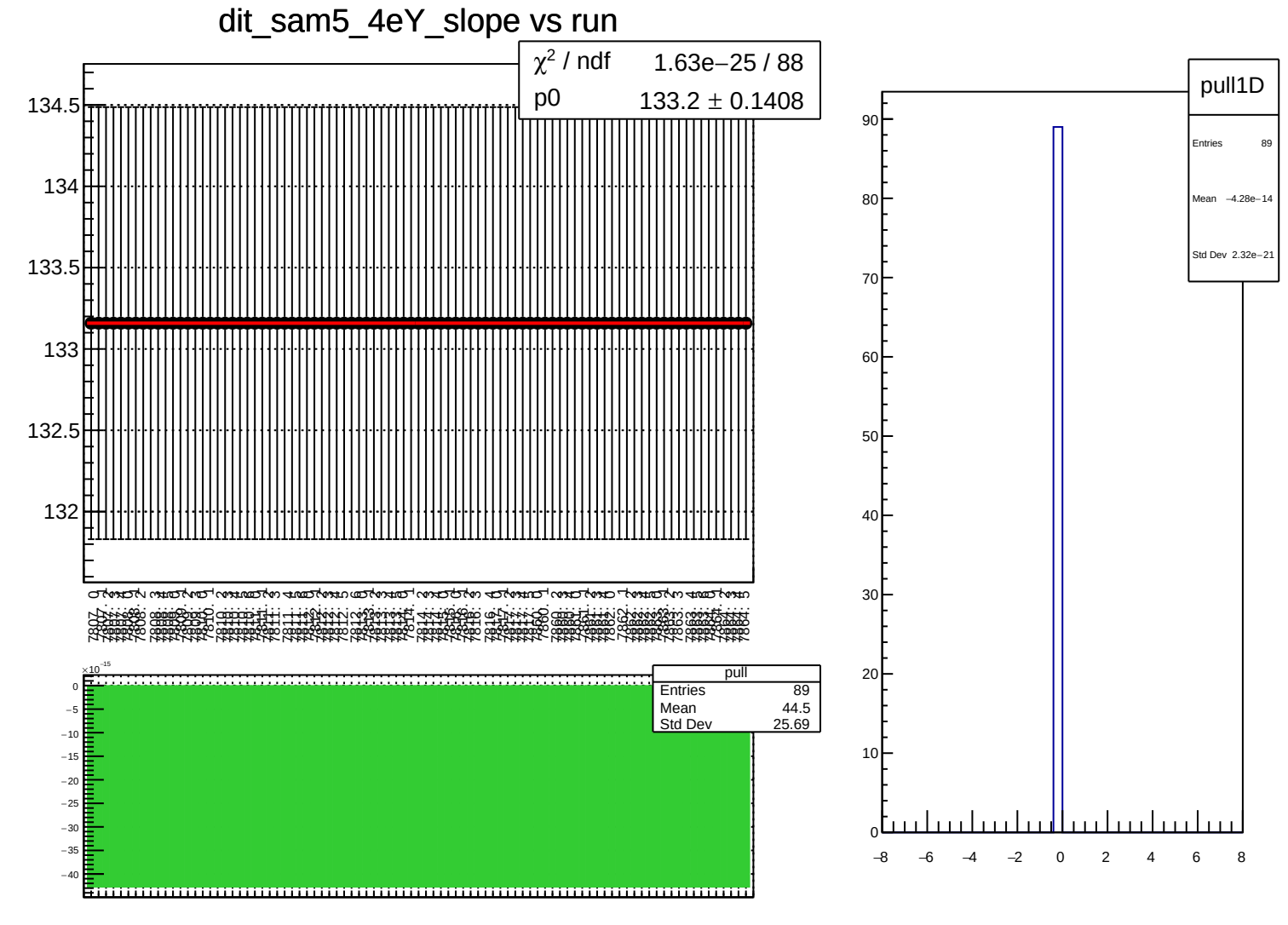
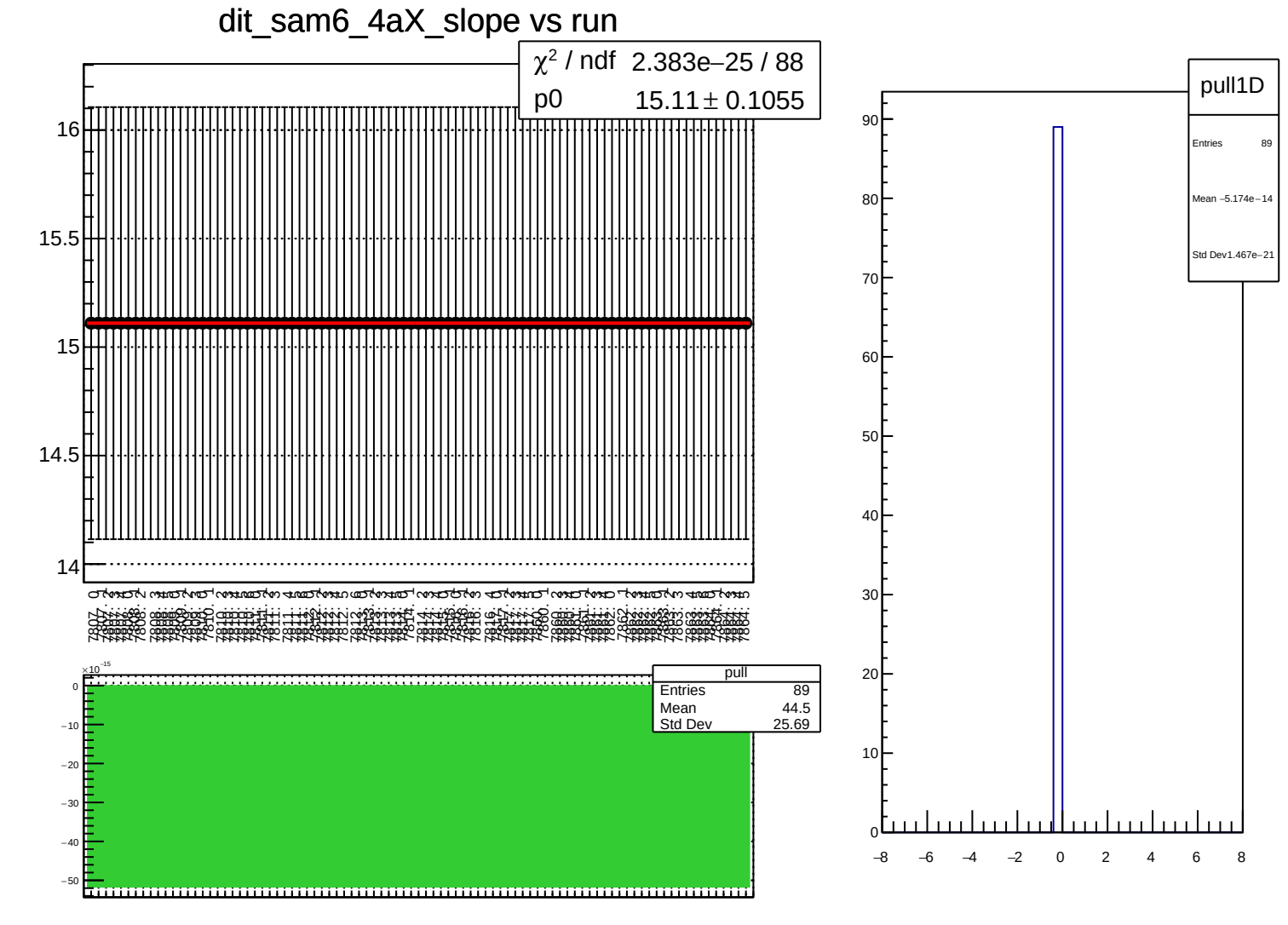
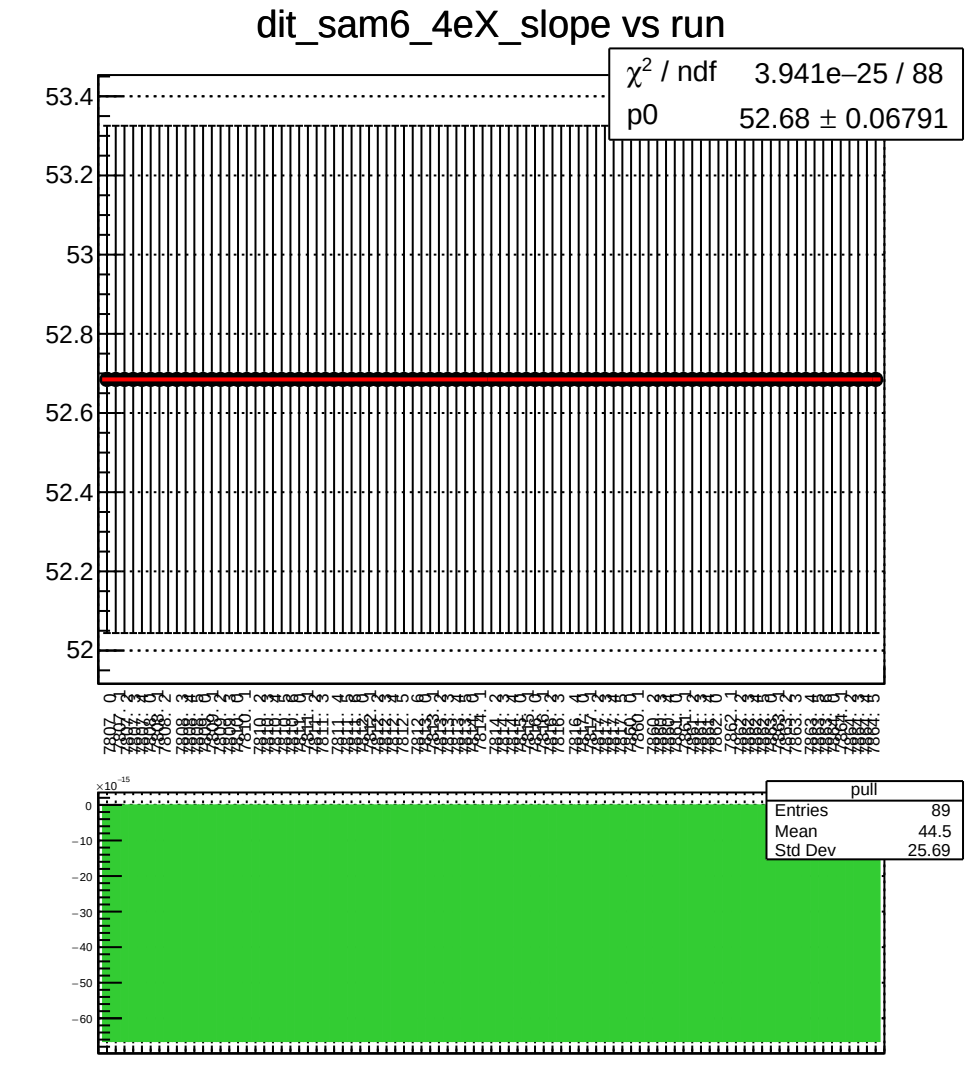
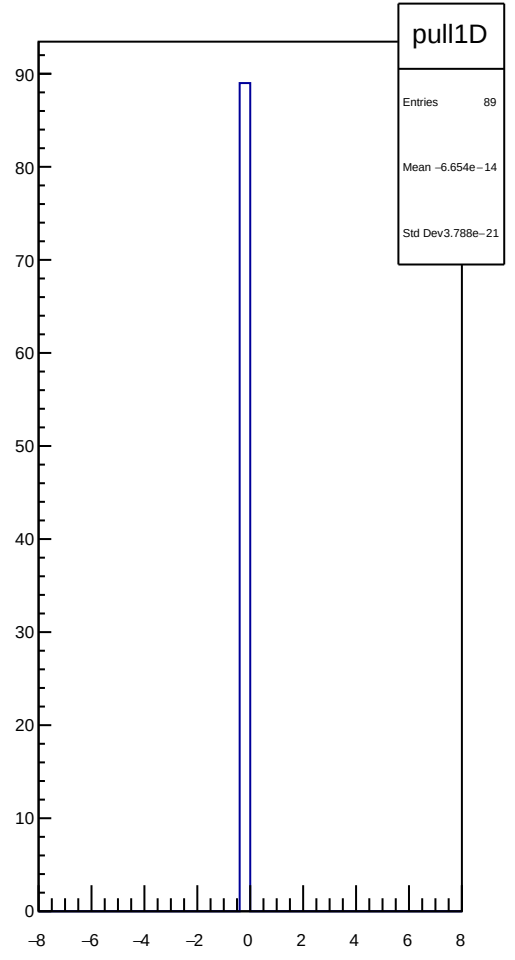
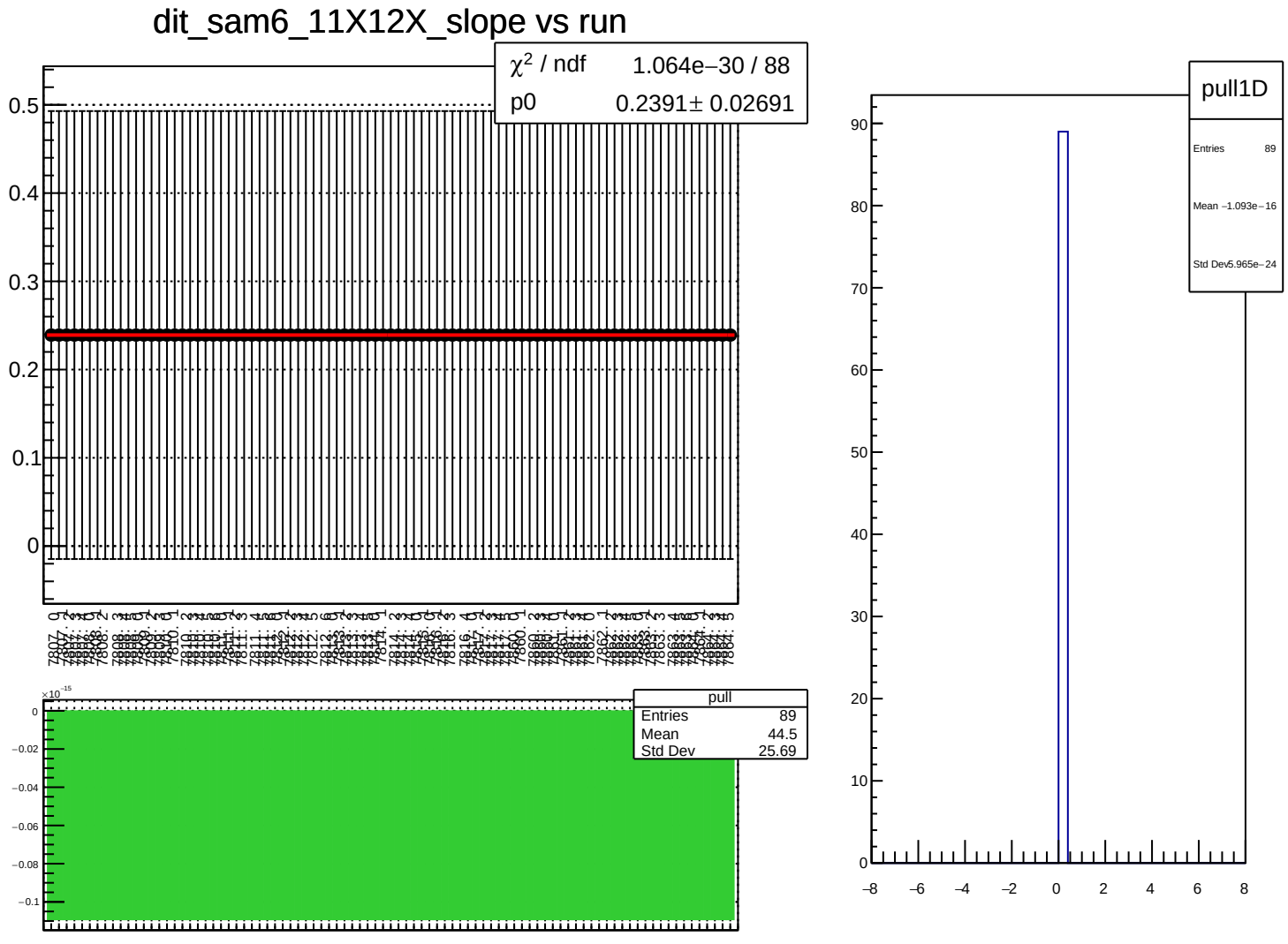
2
4
6
8

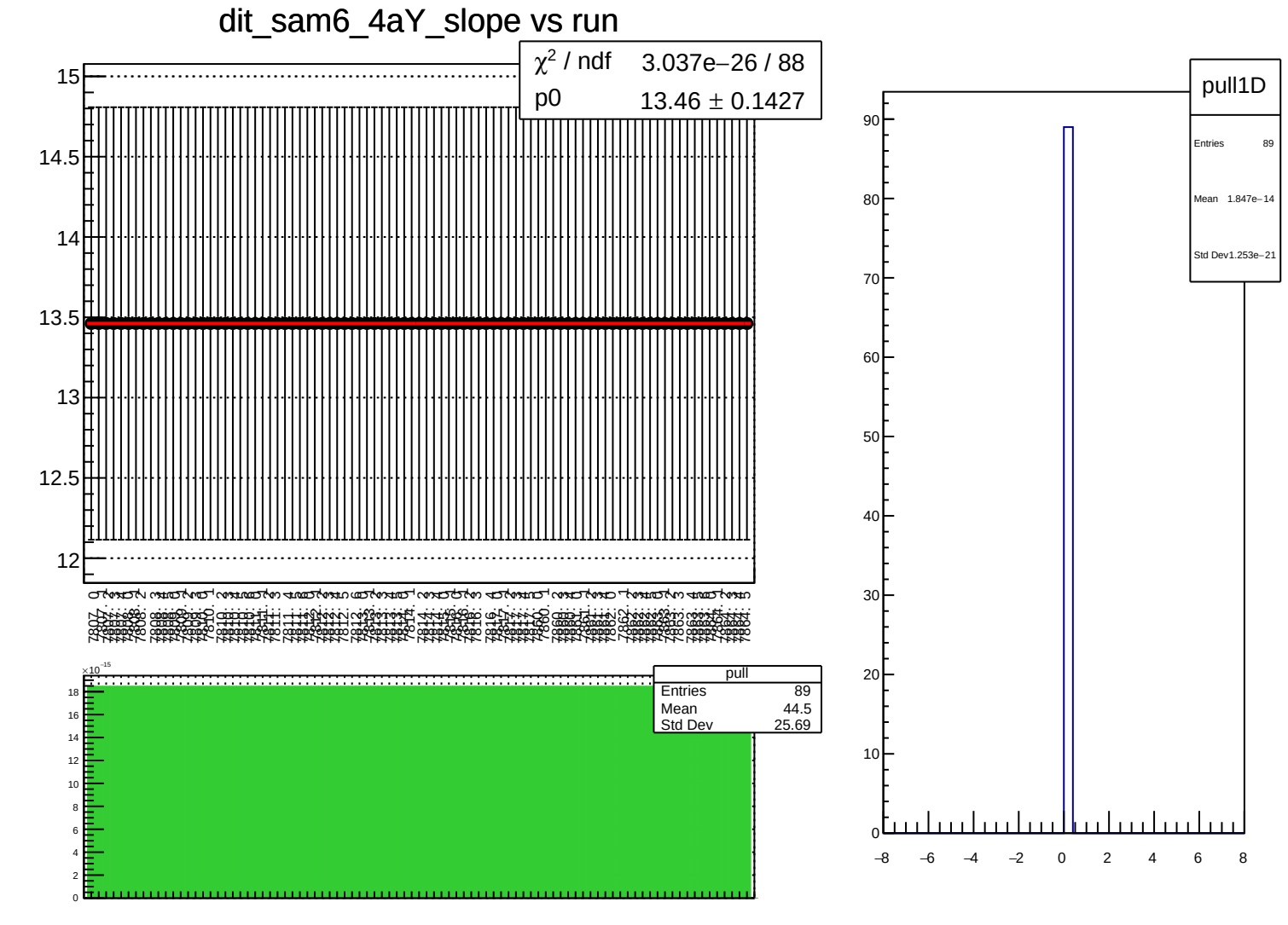

dit_sam5_4eY_slope vs run
χ² / ndf 1.63e−25 / 88
p0 133.2 ± 0.1408
134.5
134
133.5
133
132.5
132
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 89
Mean −4.28e−14
Std Dev 2.32e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

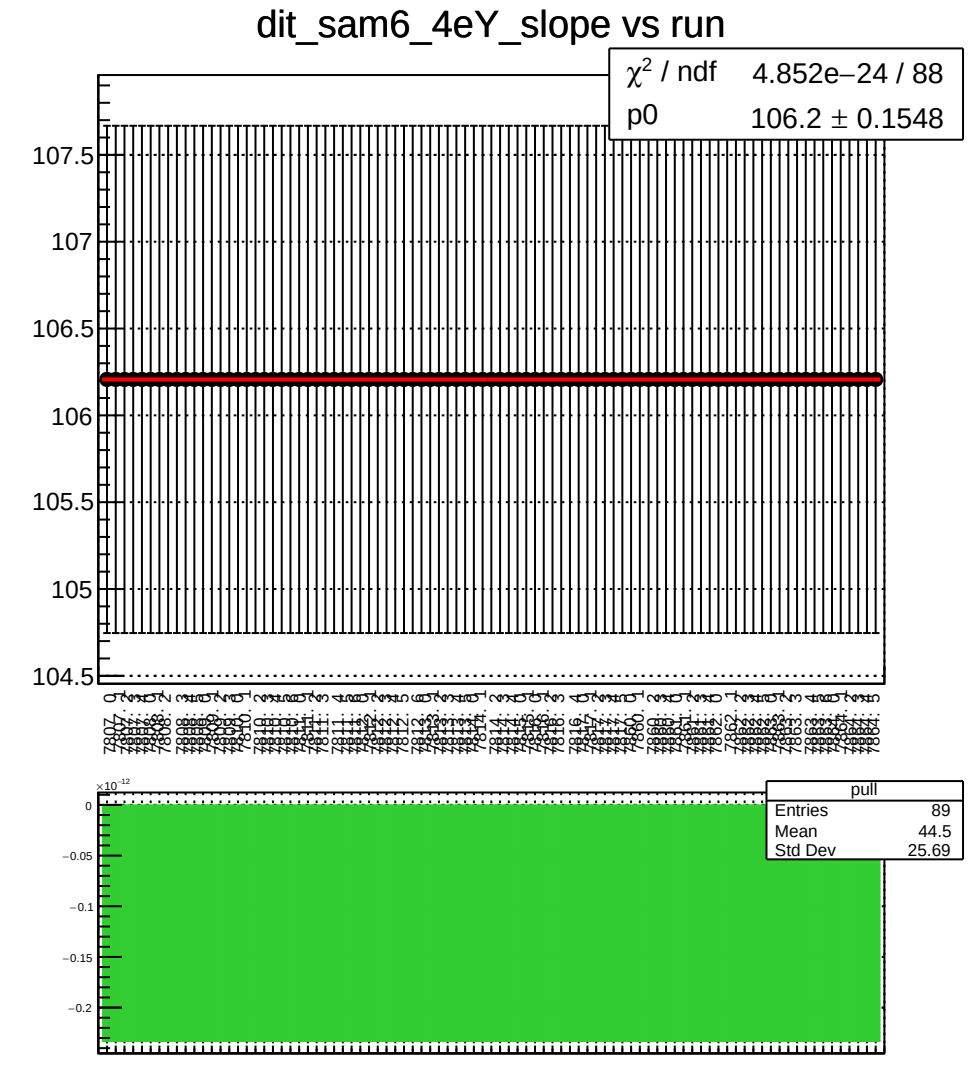

dit_sam6_4aX_slope vs run
χ² / ndf 2.383e−25 / 88
p0 15.11 ± 0.1055
16
15.5
15
14.5
14
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 89
Mean −5.174e−14
Std Dev1.467e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

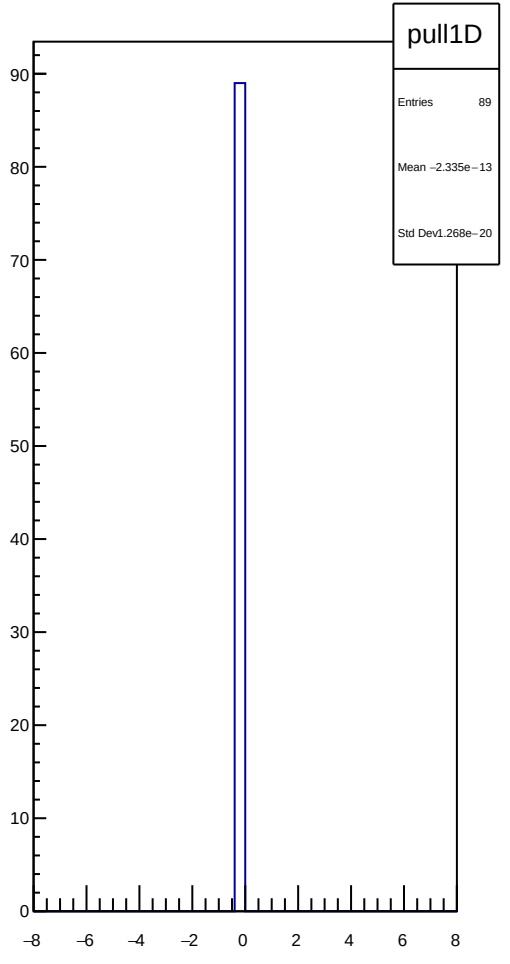

dit_sam6_4eX_slope vs run
χ² / ndf 3.941e−25 / 88
p0 52.68 ± 0.06791
53.4
53.2
53
52.8
52.6
52.4
52.2
52
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

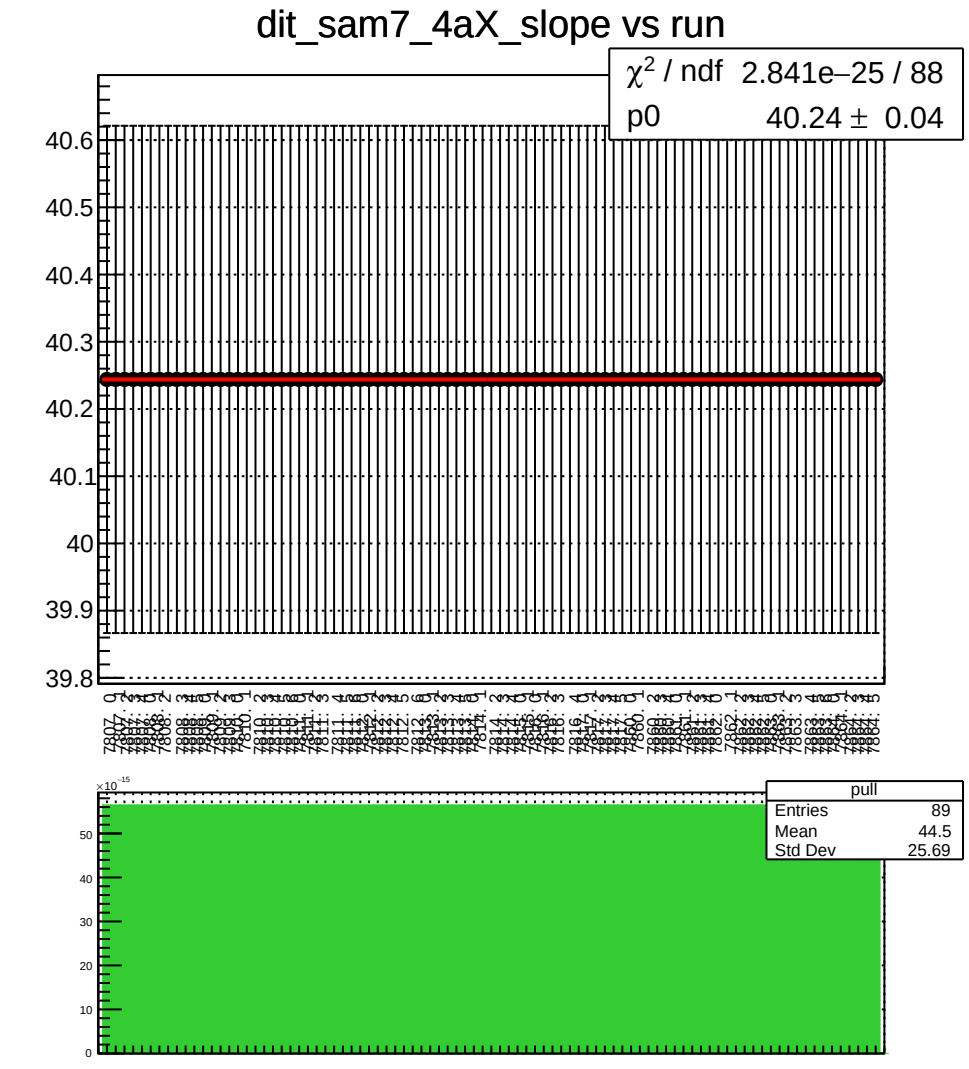

pull1D
Entries 89
Mean −6.654e−14
Std Dev3.788e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

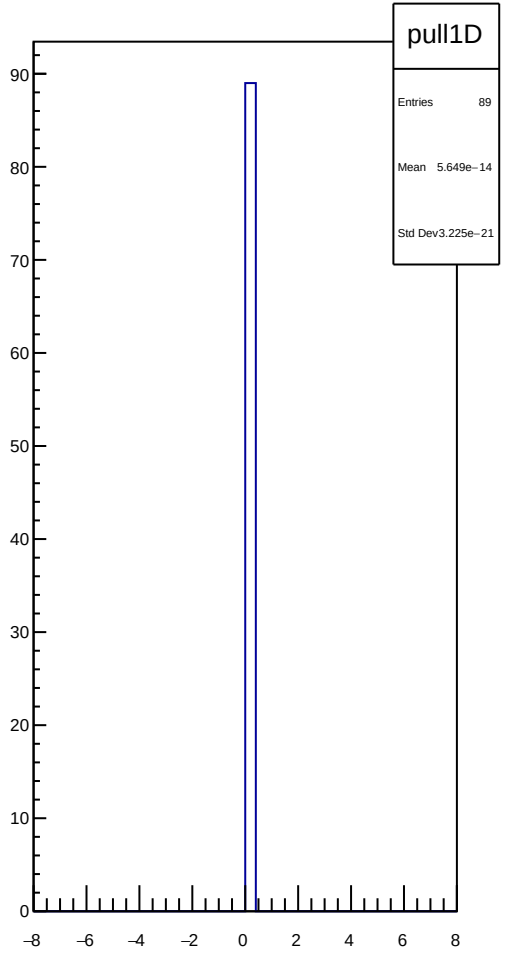

dit_sam6_11X12X_slope vs run
χ² / ndf 1.064e−30 / 88
p0 0.2391± 0.02691
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.093e−16
Std Dev 5.965e−24

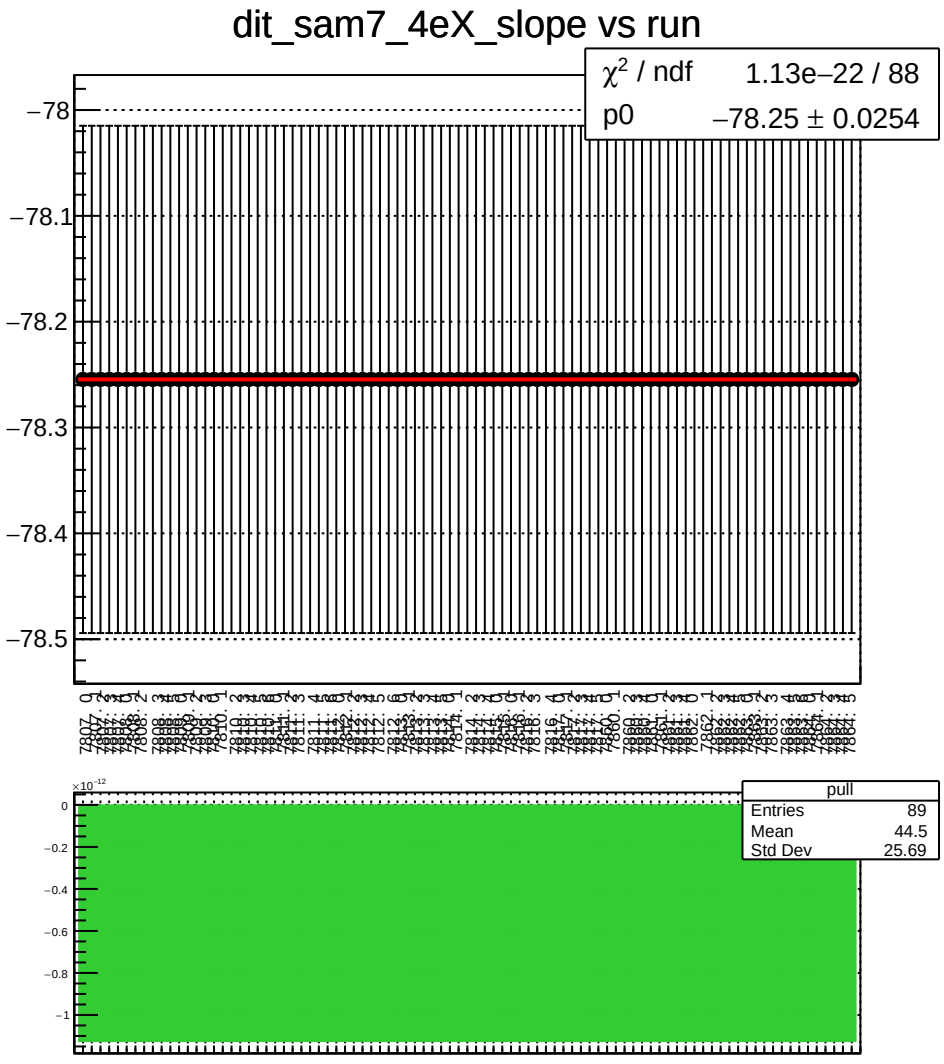

dit_sam6_4aY_slope vs run
χ² / ndf 3.037e−26 / 88
p0 13.46 ± 0.1427
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.847e−14
Std Dev 1.253e−21

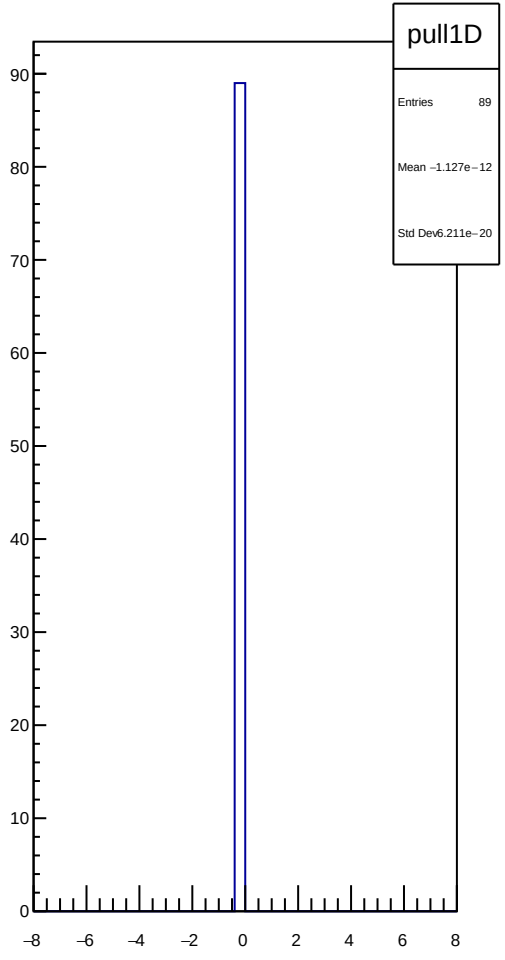

dit_sam6_4eY_slope vs run
χ² / ndf 4.852e−24 / 88
p0 106.2 ± 0.1548
107.5
107
106.5
106
105.5
105
104.5
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 89
Mean 44.5
Std Dev 25.69

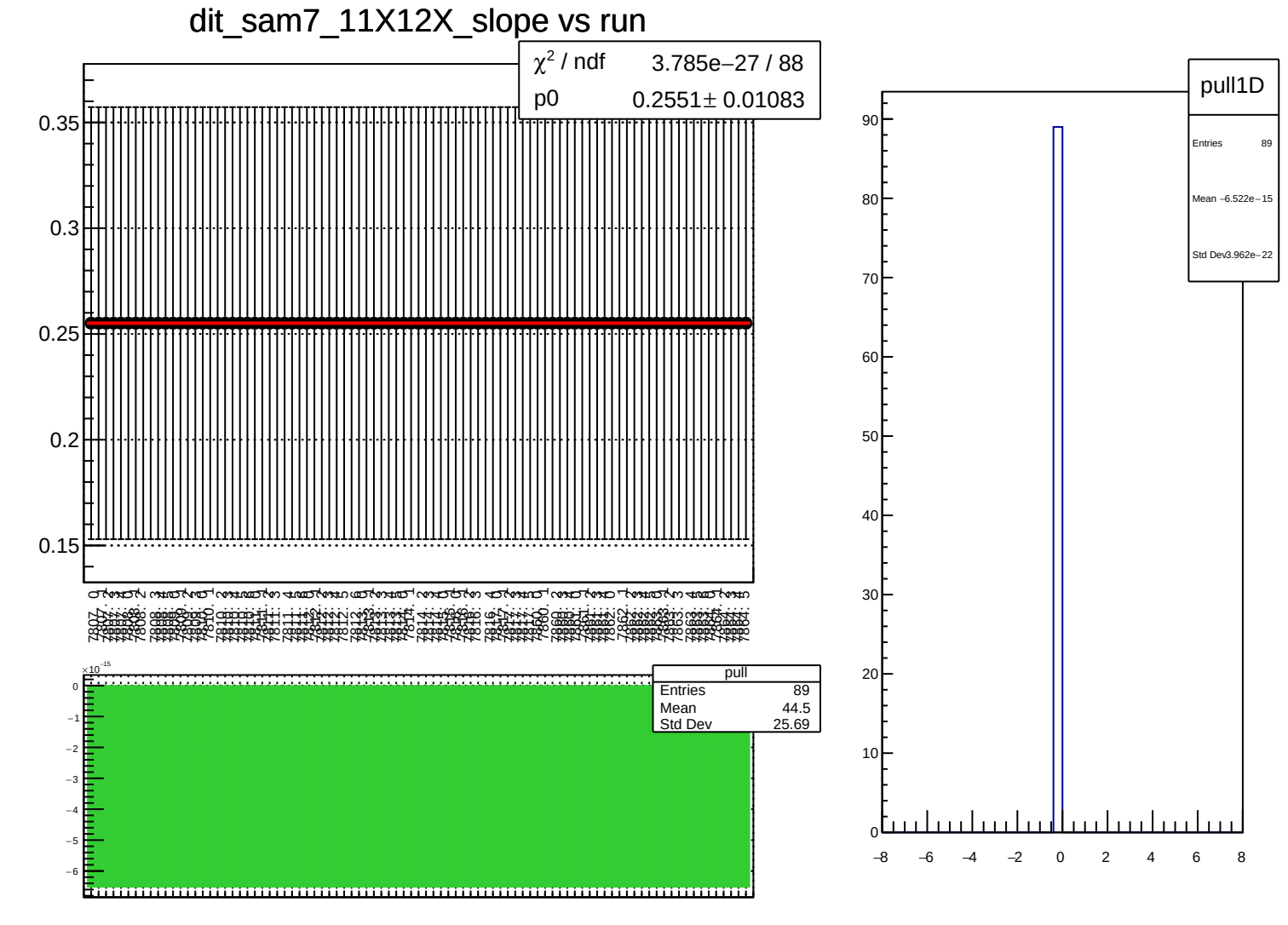

pull1D
Entries 89
Mean −2.335e−13
Std Dev1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

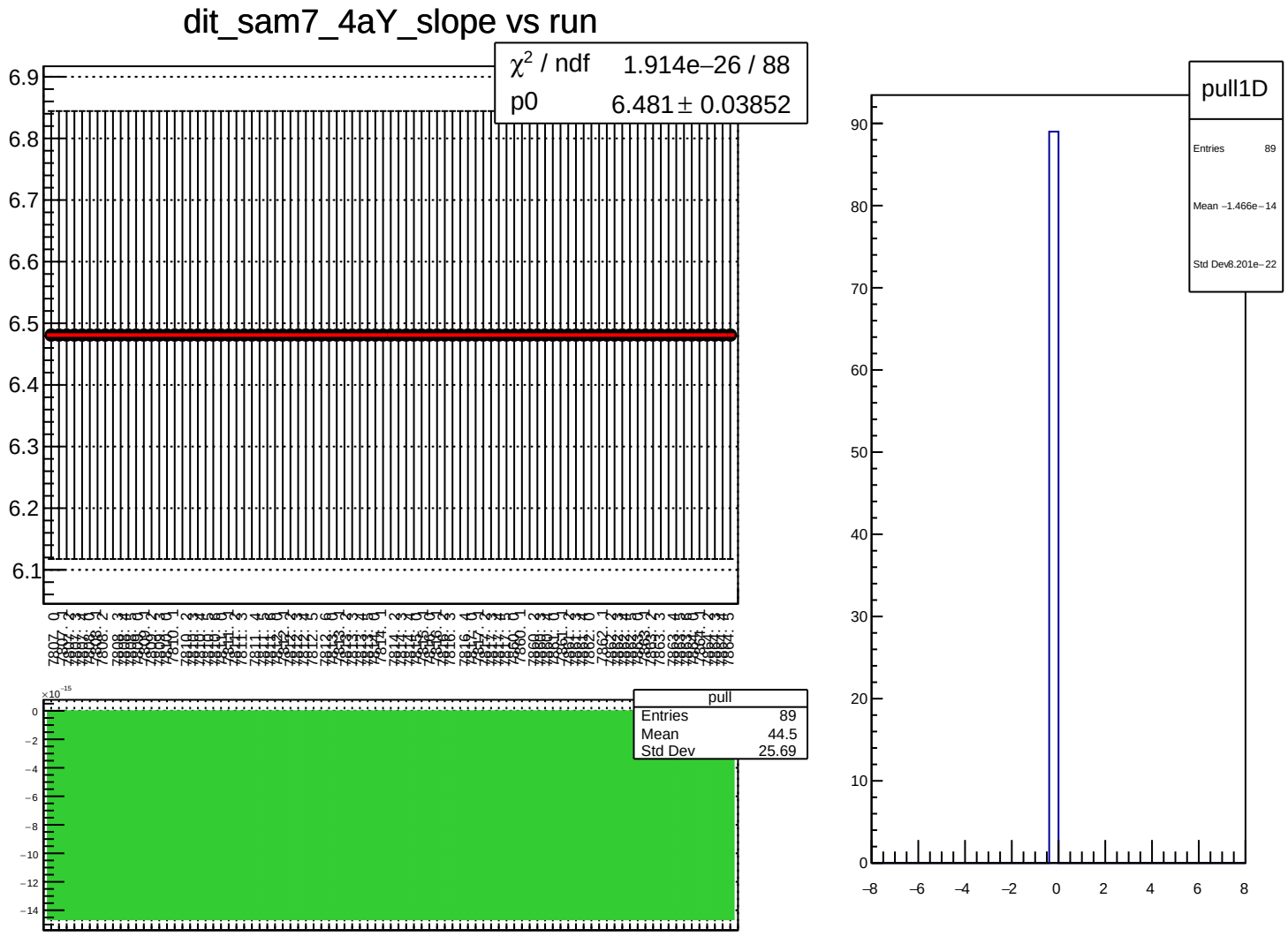

dit_sam7_4aX_slope vs run
χ^2 / ndf 2.841e−25 / 88
p0 40.24 ± 0.04
40.6
40.5
40.4
40.3
40.2
40.1
40
39.9
39.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
50
40
30
20
10
0

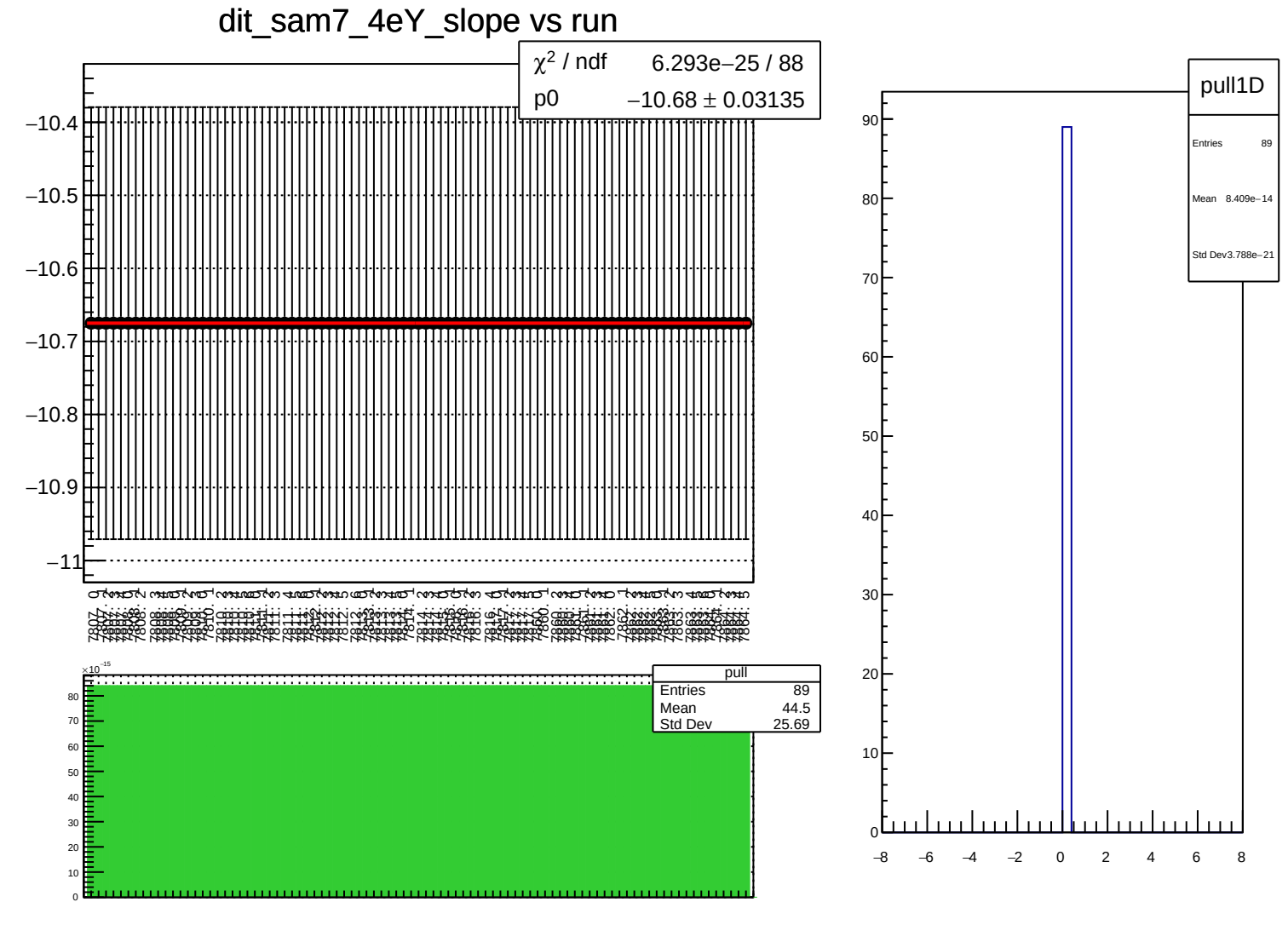

pull1D
Entries 89
Mean 5.649e−14
Std Dev3.225e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

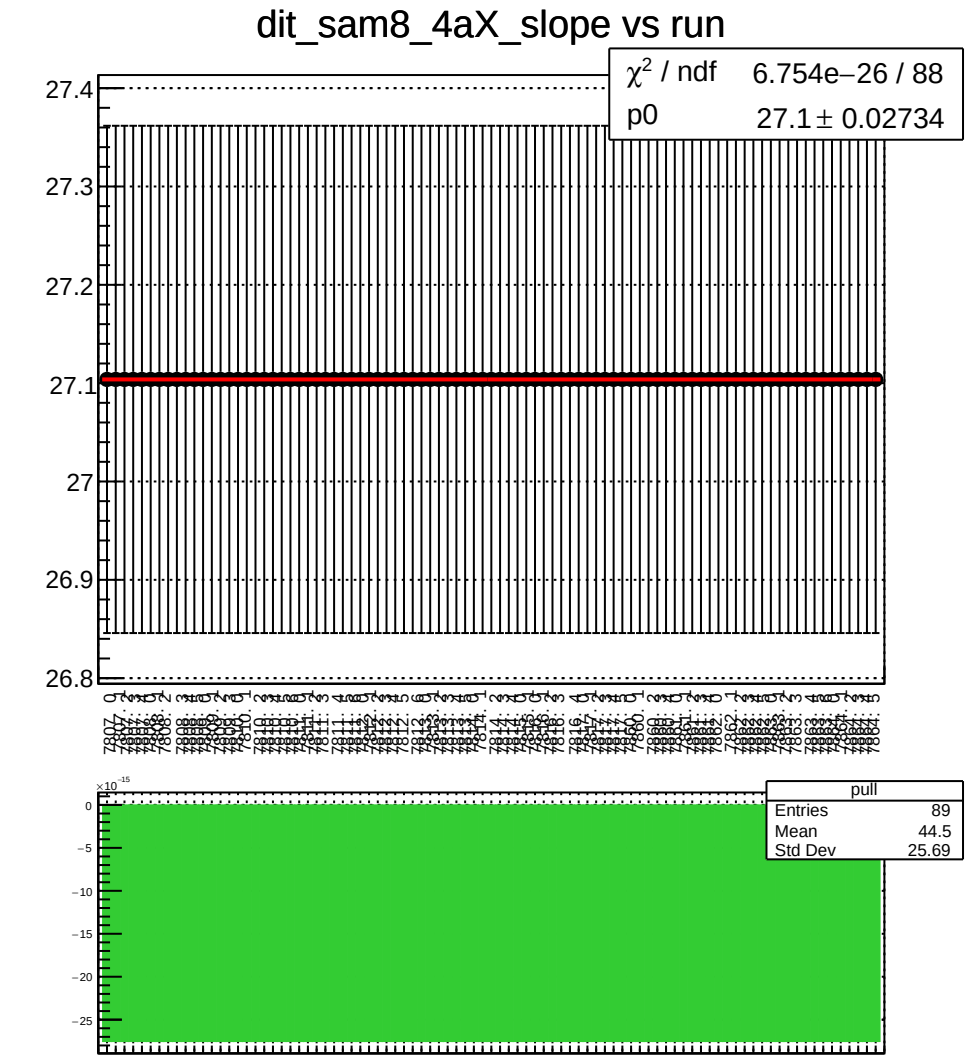

dit_sam7_4eX_slope vs run
χ² / ndf 1.13e−22 / 88
p0 −78.25 ± 0.0254
−78
−78.1
−78.2
−78.3
−78.4
−78.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1

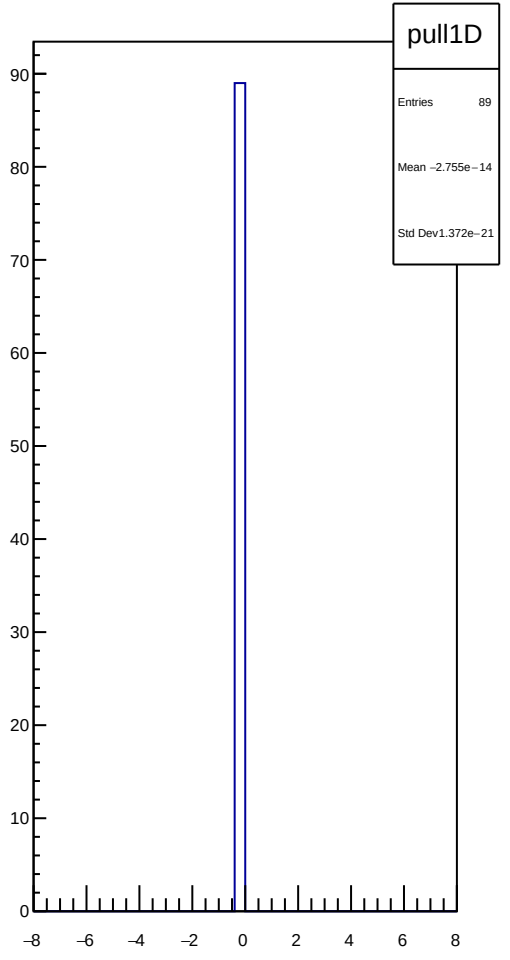

pull1D
Entries 89
Mean −1.127e−12
Std Dev 6.211e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

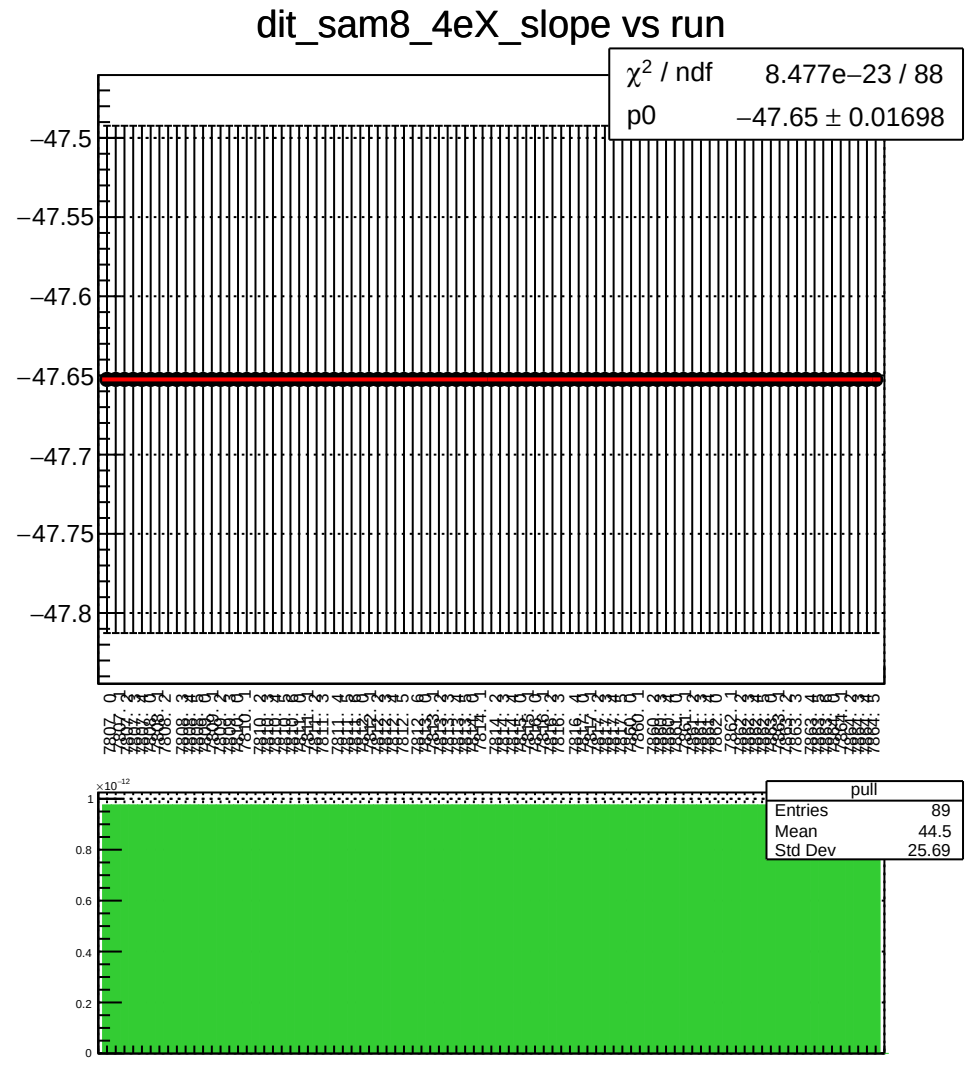

dit_sam7_11X12X_slope vs run
χ² / ndf 3.785e−27 / 88
p0 0.2551± 0.01083
0.35
0.3
0.25
0.2
0.15
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 89
Mean −6.522e−15
Std Dev3.962e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

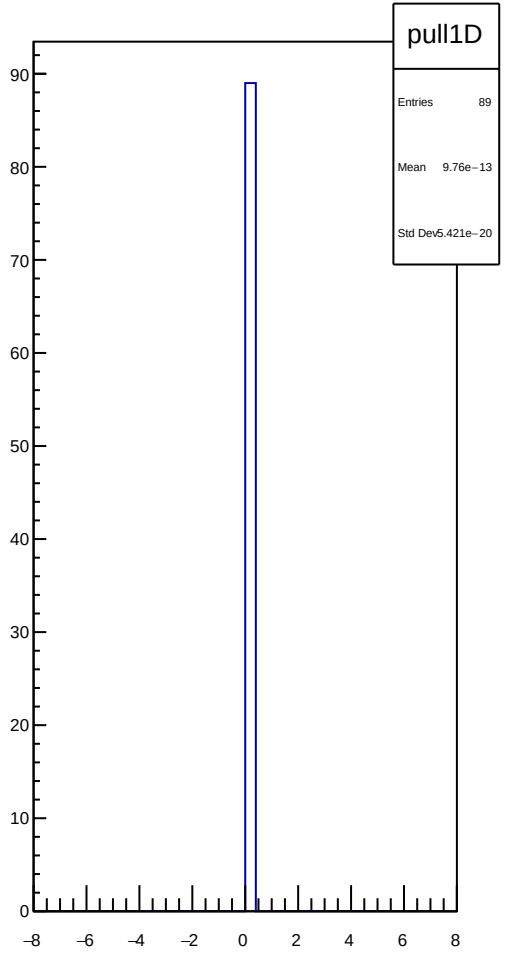

dit_sam7_4aY_slope vs run
χ² / ndf 1.914e−26 / 88
p0 6.481 ± 0.03852
6.9
6.8
6.7
6.6
6.5
6.4
6.3
6.2
6.1
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 89
Mean −1.466e−14
Std Dev 8.201e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

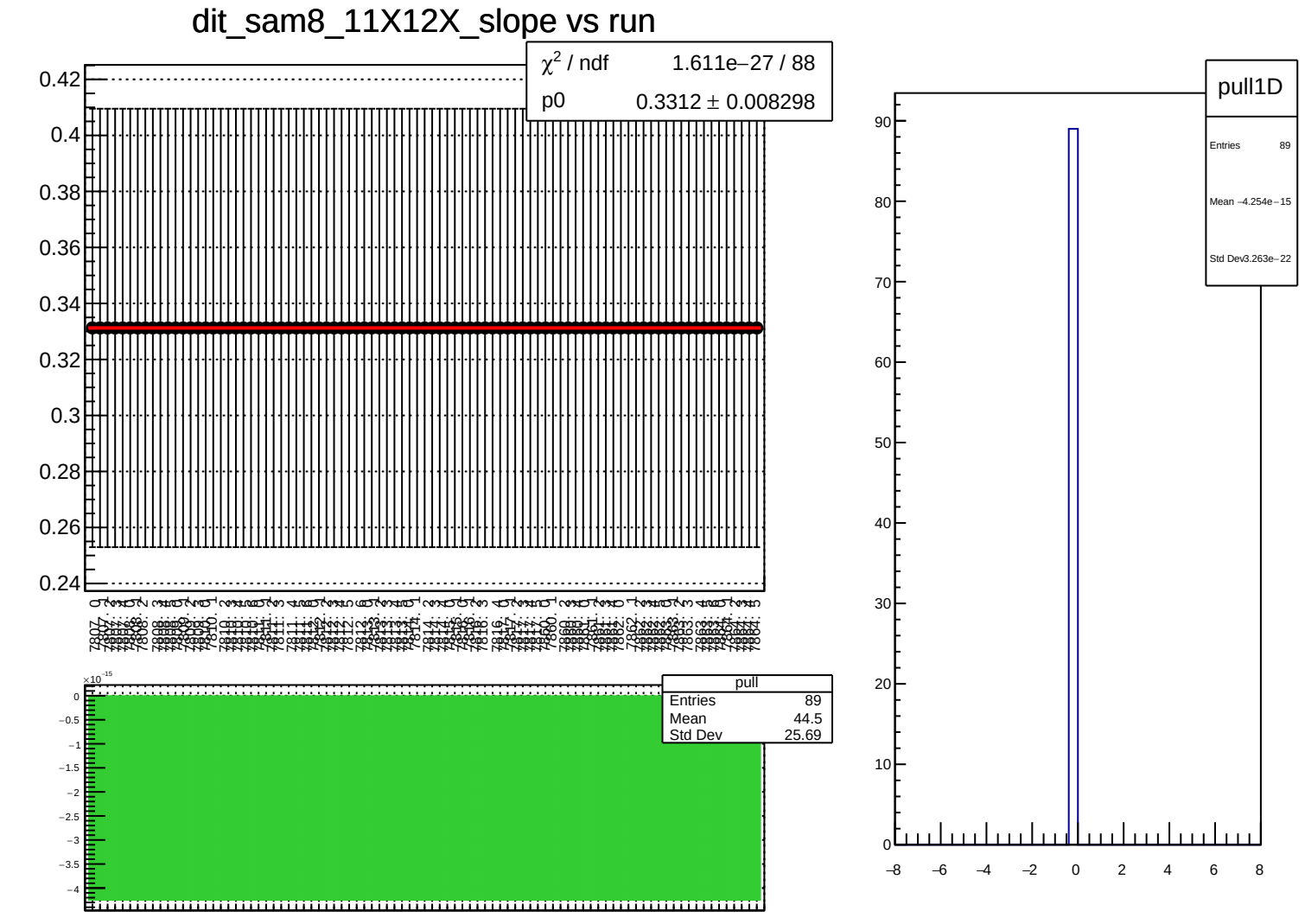

dit_sam7_4eY_slope vs run
χ² / ndf 6.293e−25 / 88
p0 −10.68 ± 0.03135
−10.4
−10.5
−10.6
−10.7
−10.8
−10.9
−11
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 8.409e−14
Std Dev3.788e−21

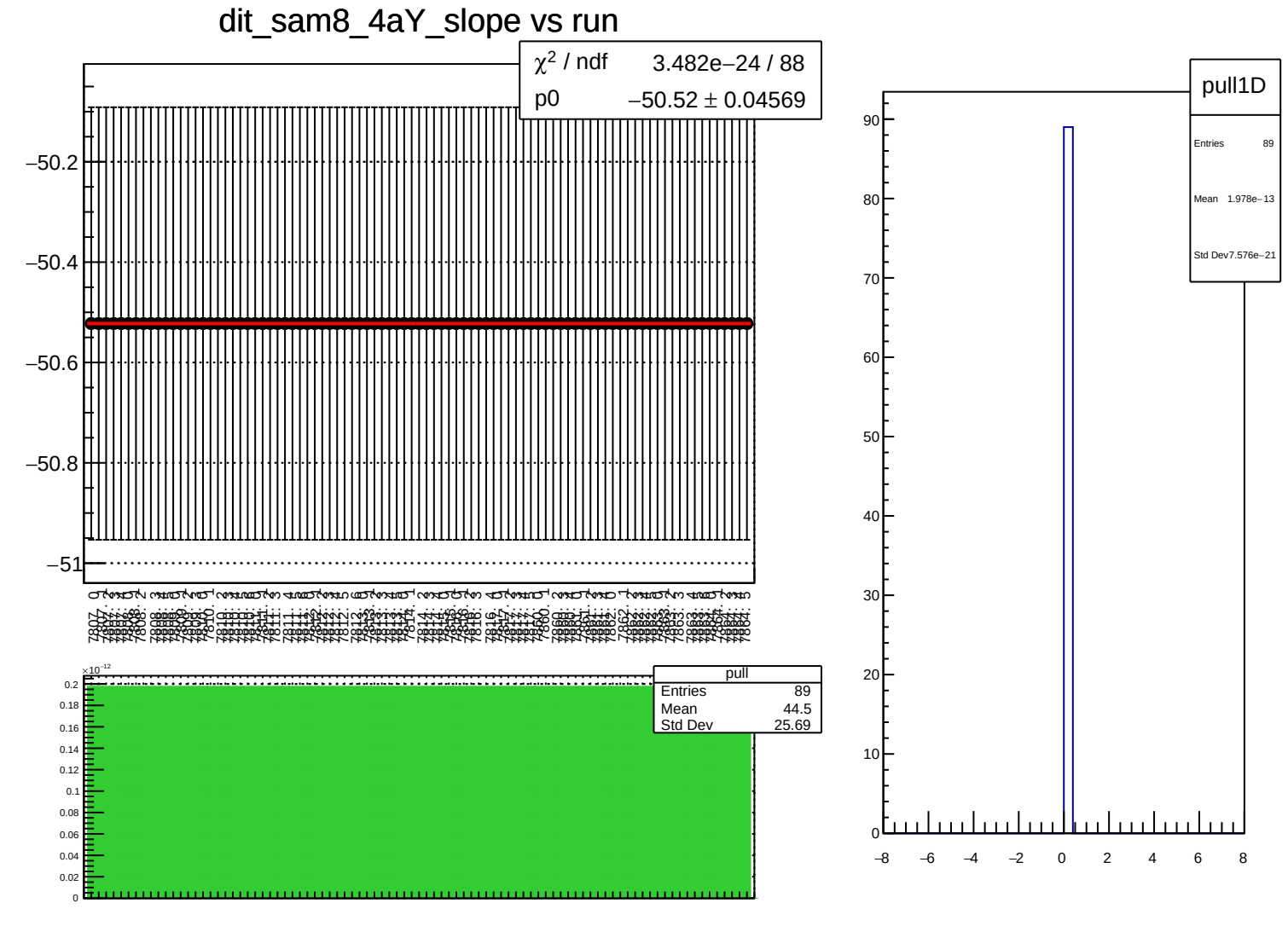

dit_sam8_4aX_slope vs run
χ² / ndf 6.754e−26 / 88
p0 27.1 ± 0.02734
27.4
27.3
27.2
27.1
27
26.9
26.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25

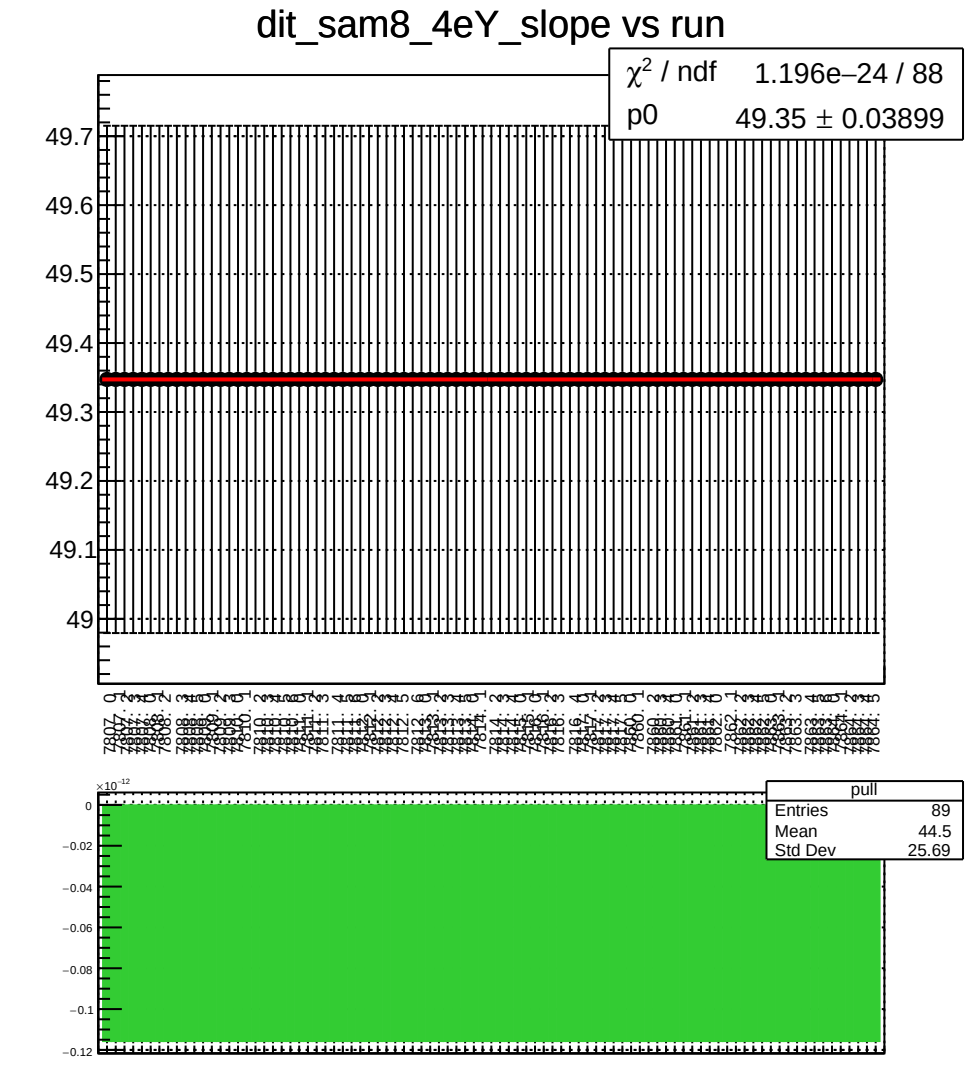

pull1D
Entries 89
Mean −2.755e−14
Std Dev1.372e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

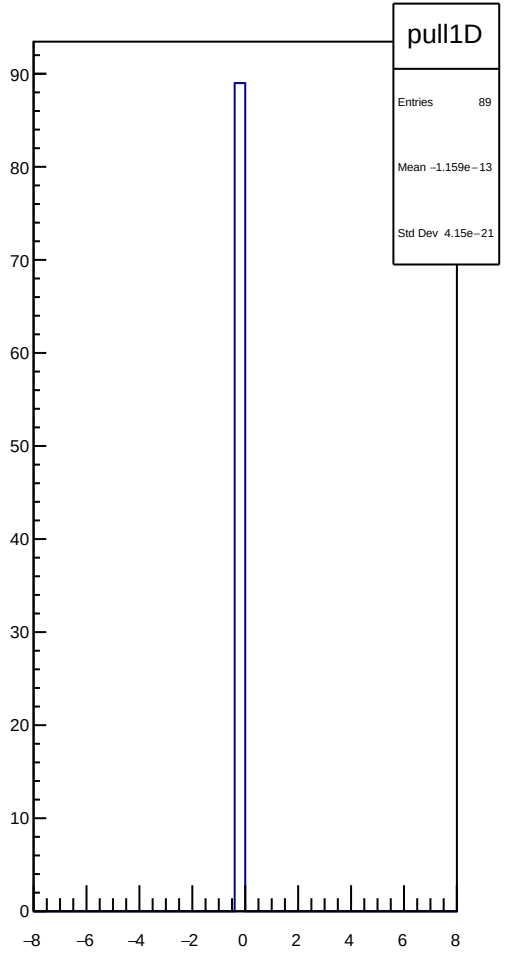

dit_sam8_4eX_slope vs run
χ² / ndf 8.477e−23 / 88
p0 −47.65 ± 0.01698
−47.5
−47.55
−47.6
−47.65
−47.7
−47.75
−47.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
1
0.8
0.6
0.4
0.2
0

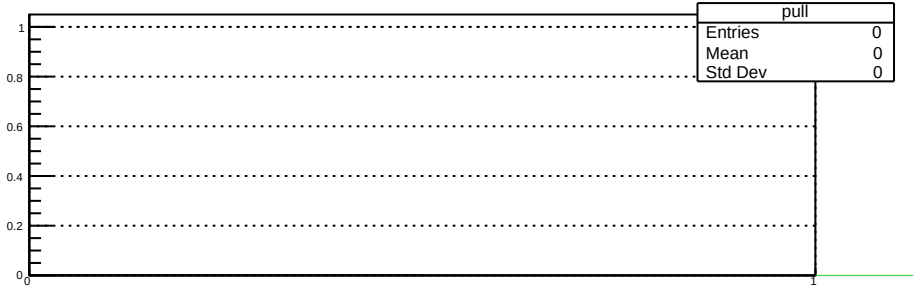

pull1D
Entries 89
Mean 9.76e−13
Std Dev 5.421e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

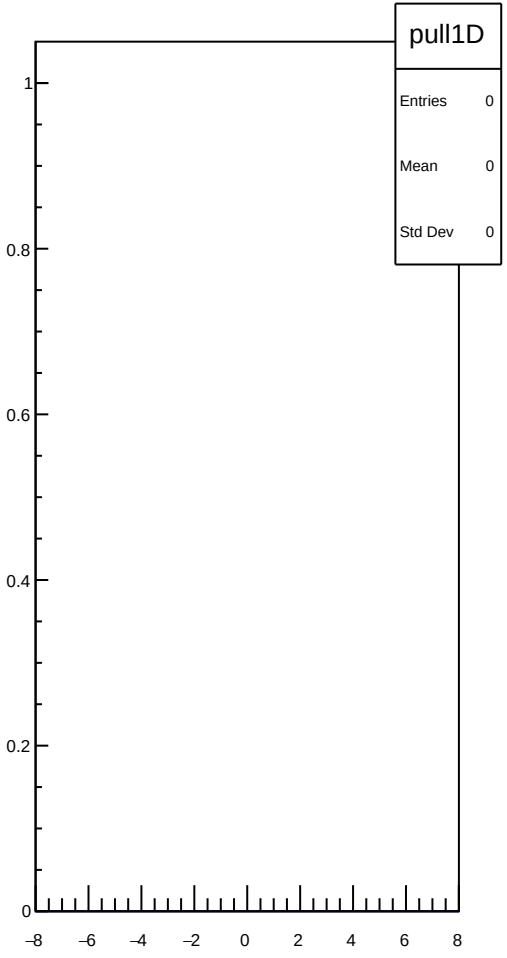

dit_sam8_11X12X_slope vs run
χ² / ndf 1.611e−27 / 88
p0 0.3312 ± 0.008298
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 89
Mean −4.254e−15
Std Dev 3.263e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

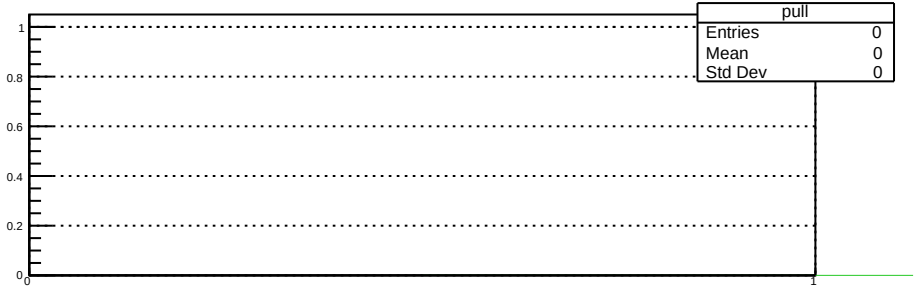

dit_sam8_4aY_slope vs run
χ² / ndf 3.482e−24 / 88
p0 −50.52 ± 0.04569
−50.2
−50.4
−50.6
−50.8
−51
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.978e−13
Std Dev7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

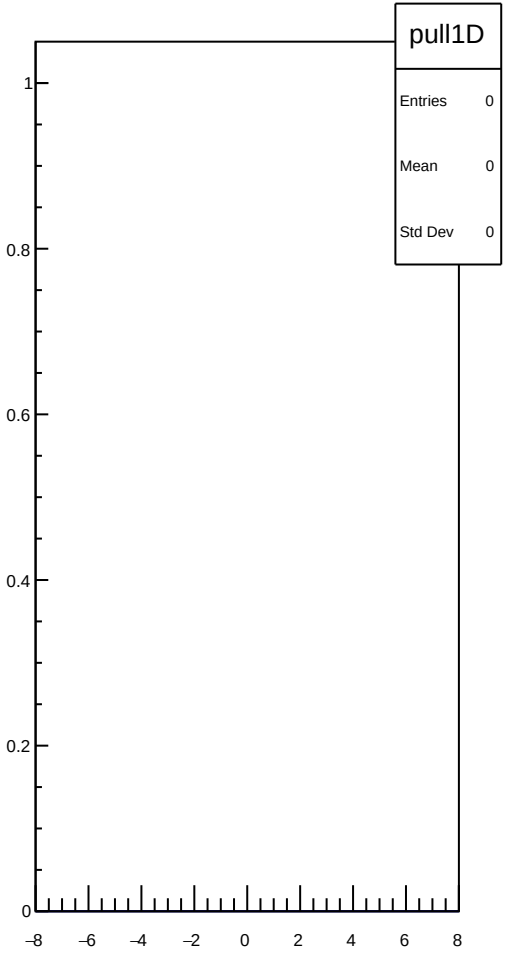

dit_sam8_4eY_slope vs run
χ² / ndf 1.196e−24 / 88
p0 49.35 ± 0.03899
49.7
49.6
49.5
49.4
49.3
49.2
49.1
49
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 89
Mean 44.5
Std Dev 25.69


pull1D
Entries 89
Mean −1.159e−13
Std Dev 4.15e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


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


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


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


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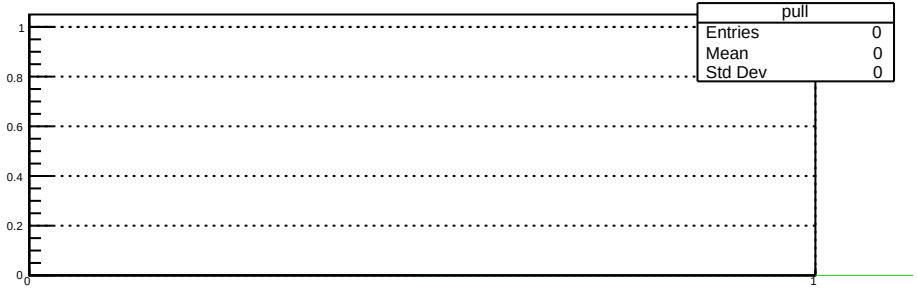
2
4
6
8


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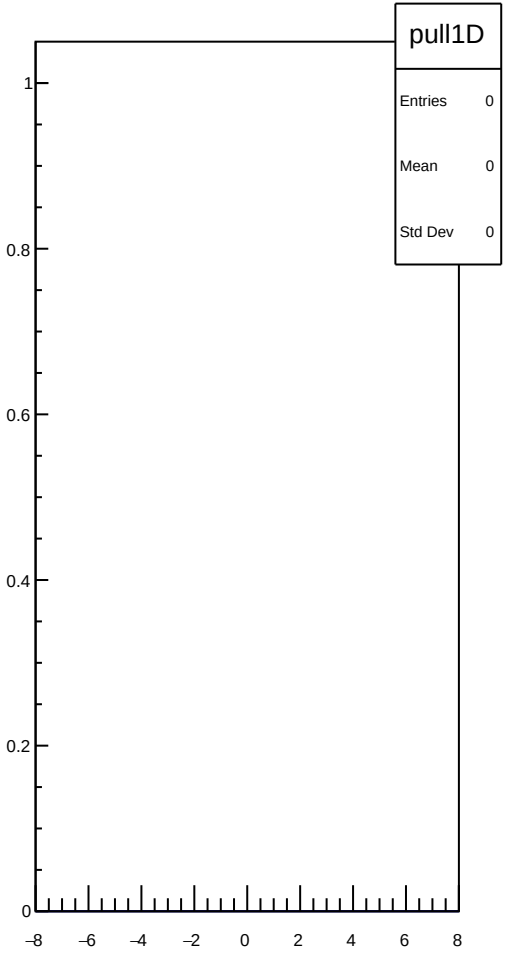
0.8
0.6
0.4
0.2
0
0
1


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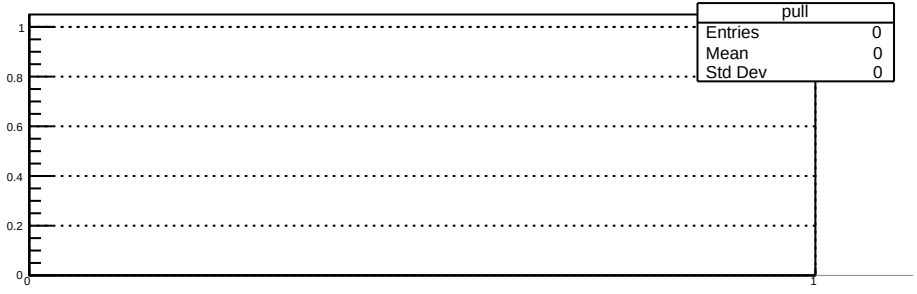
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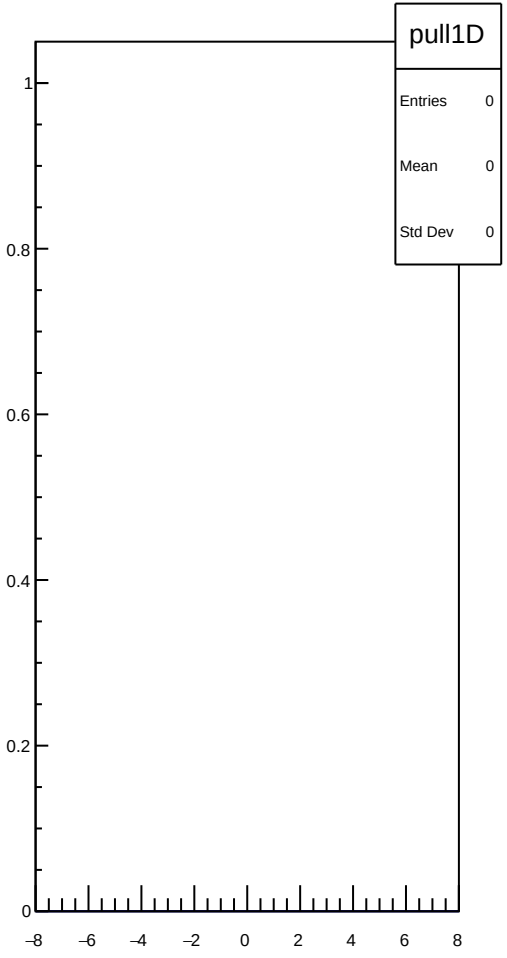
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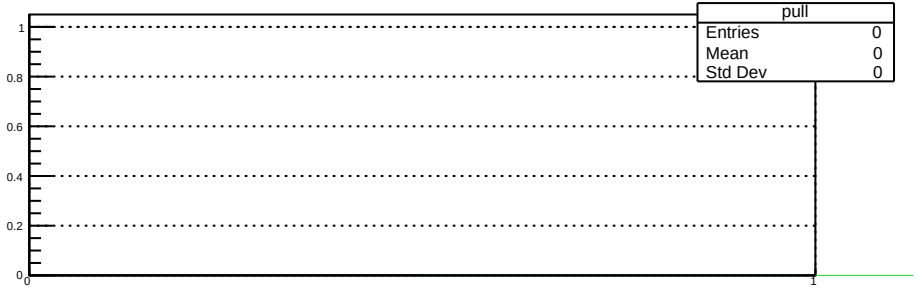
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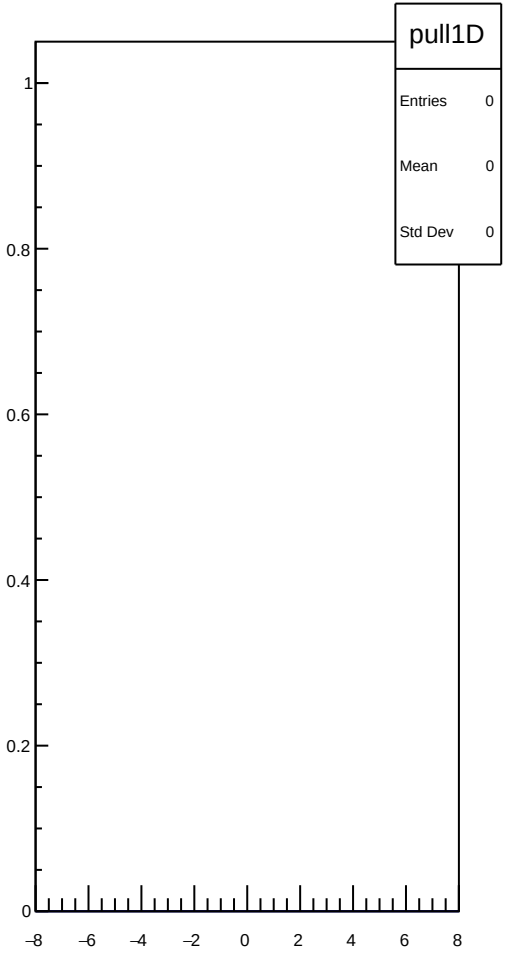
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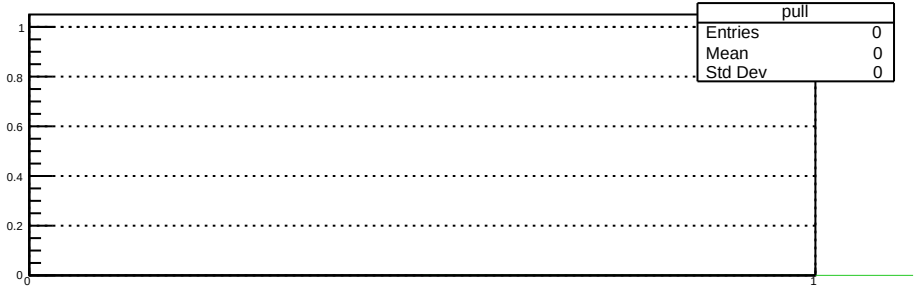
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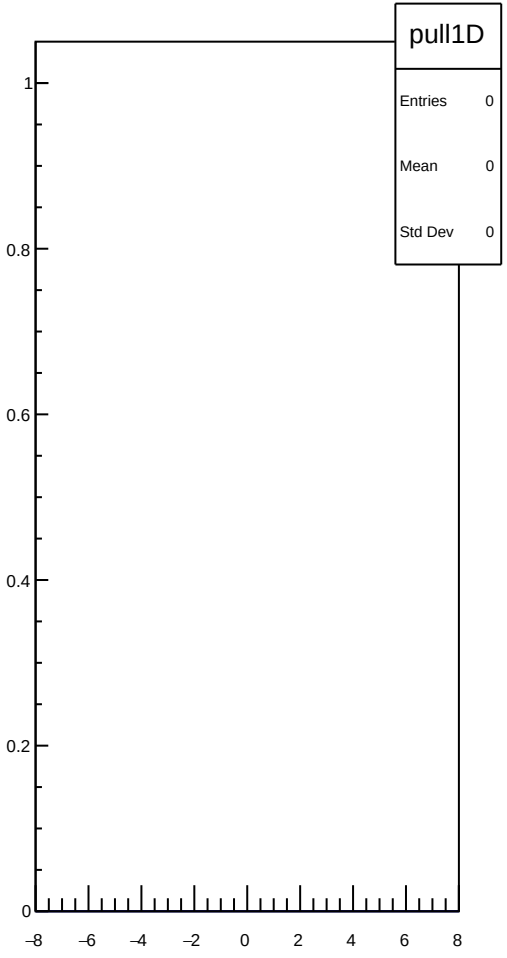
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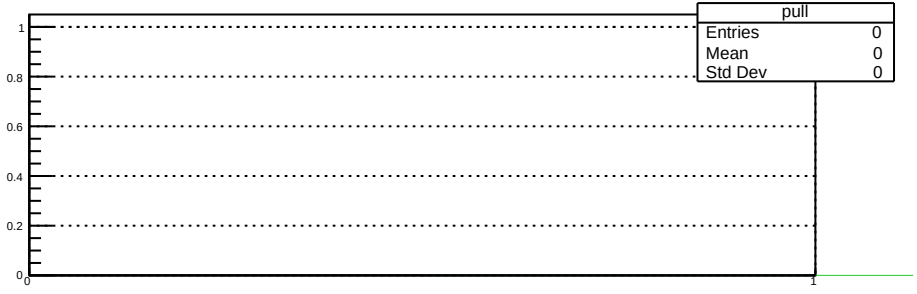
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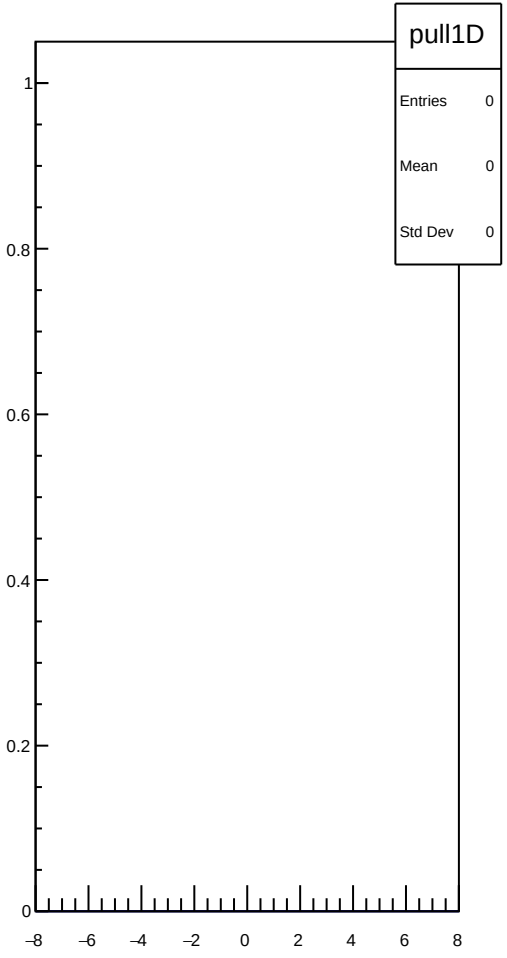
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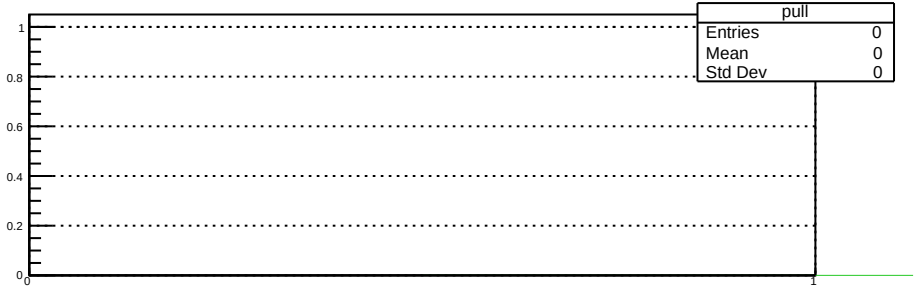
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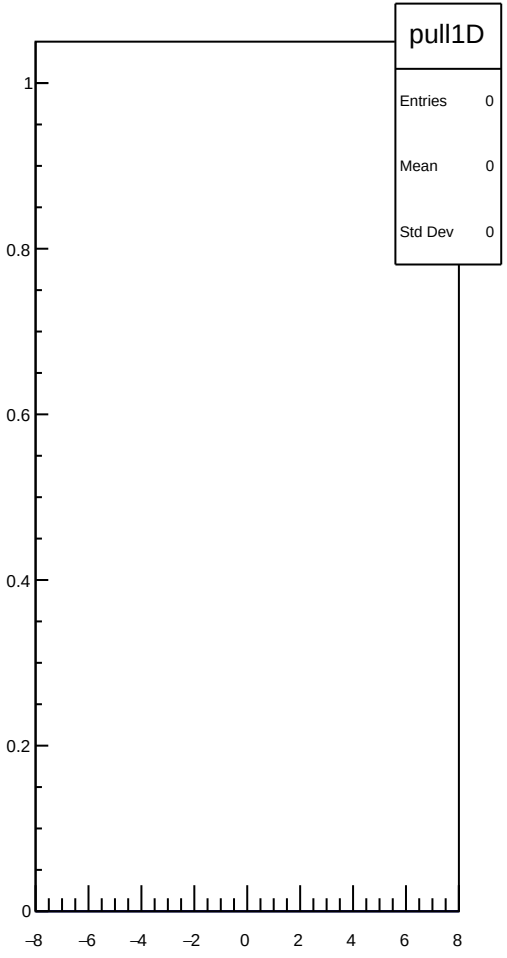
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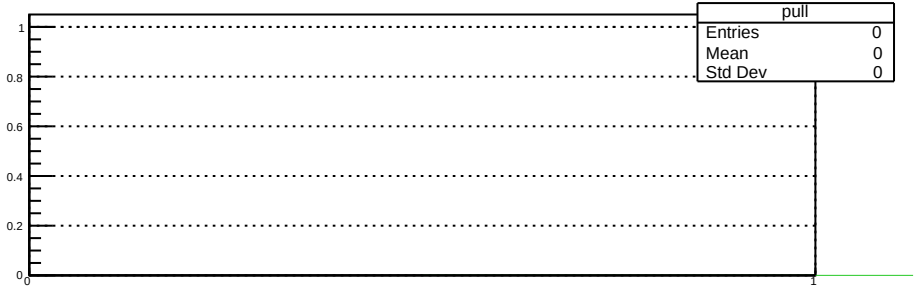
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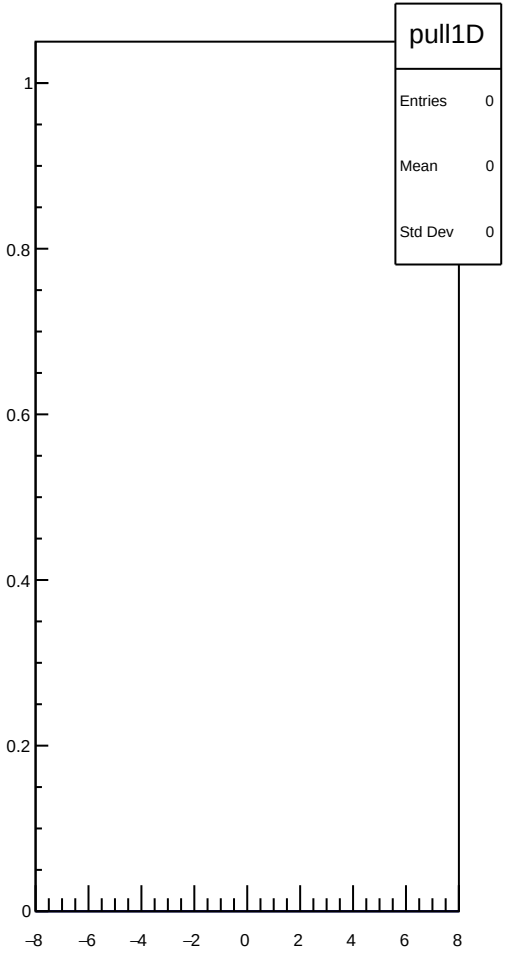
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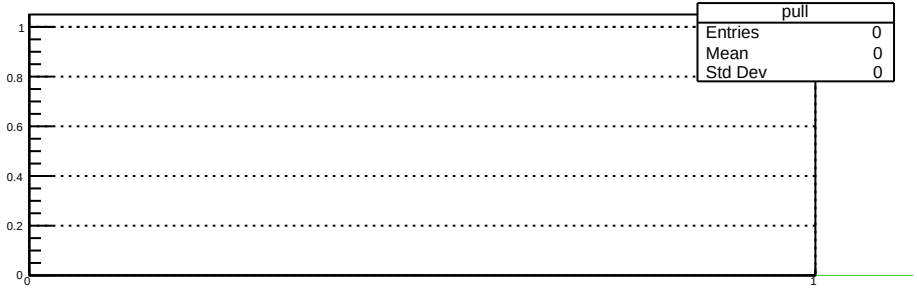
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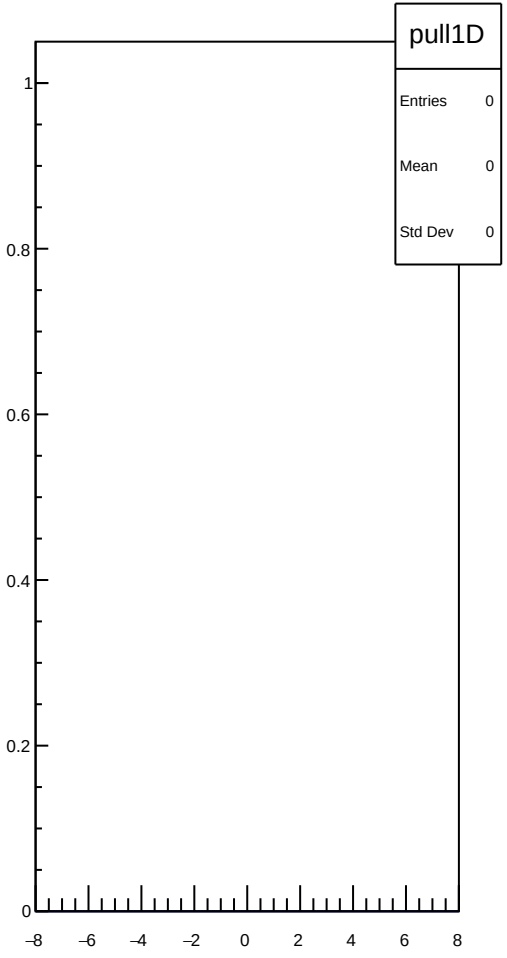
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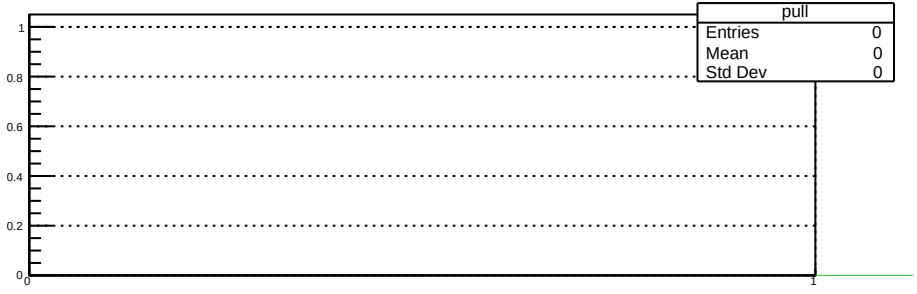
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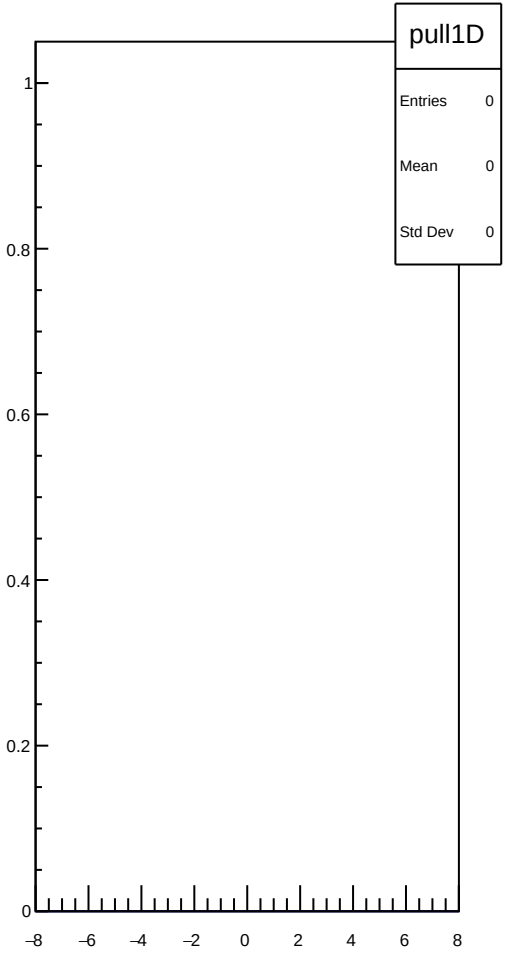
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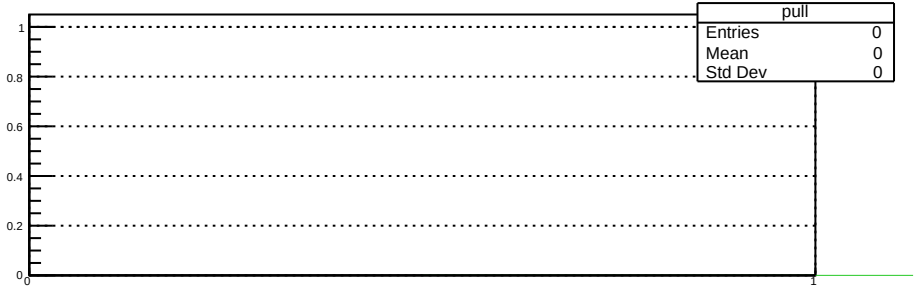
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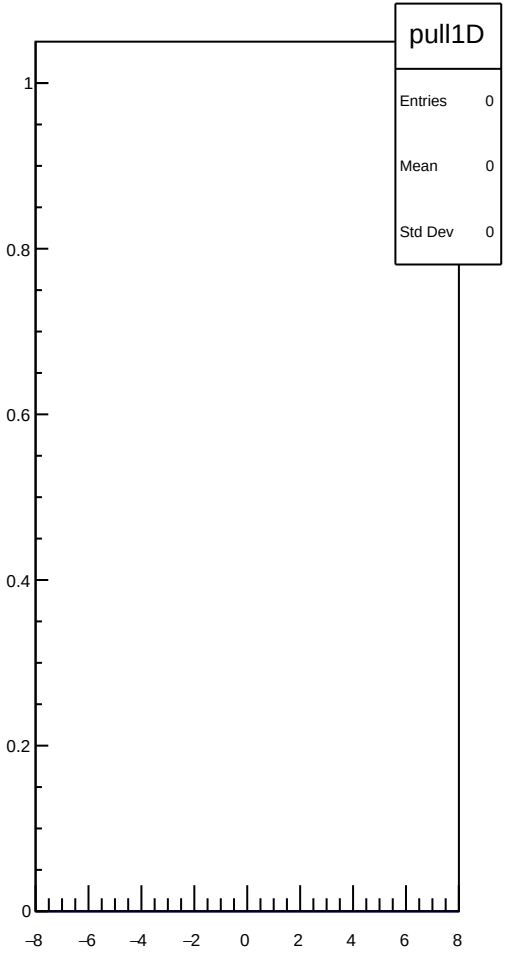
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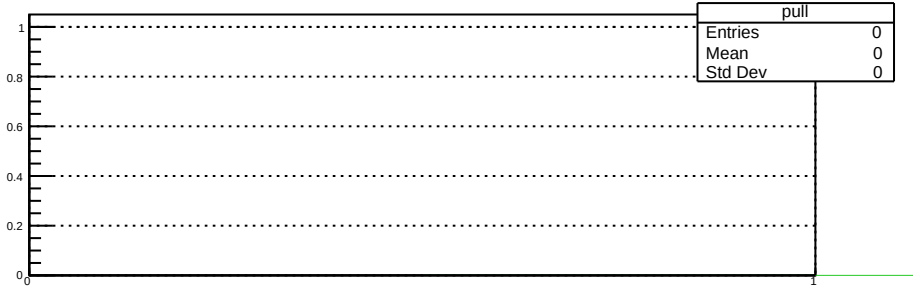
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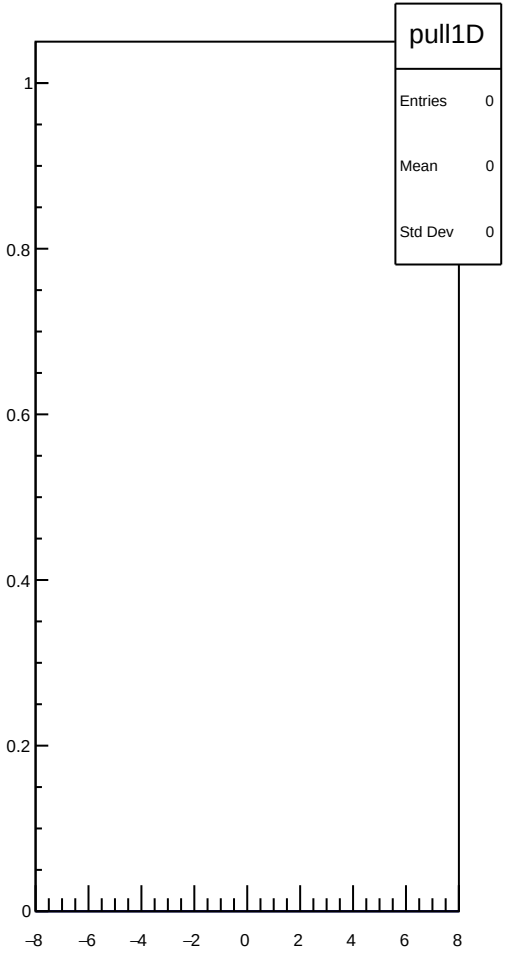
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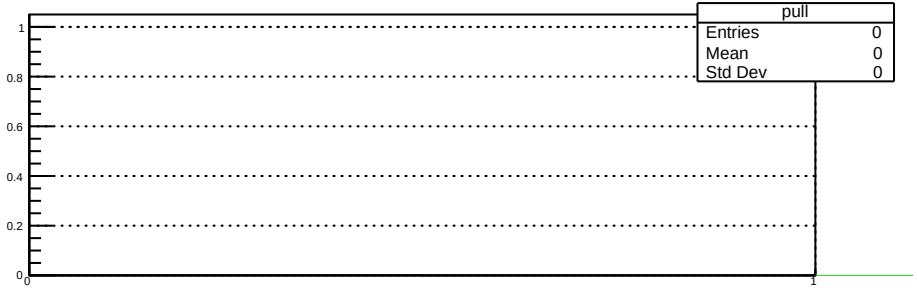
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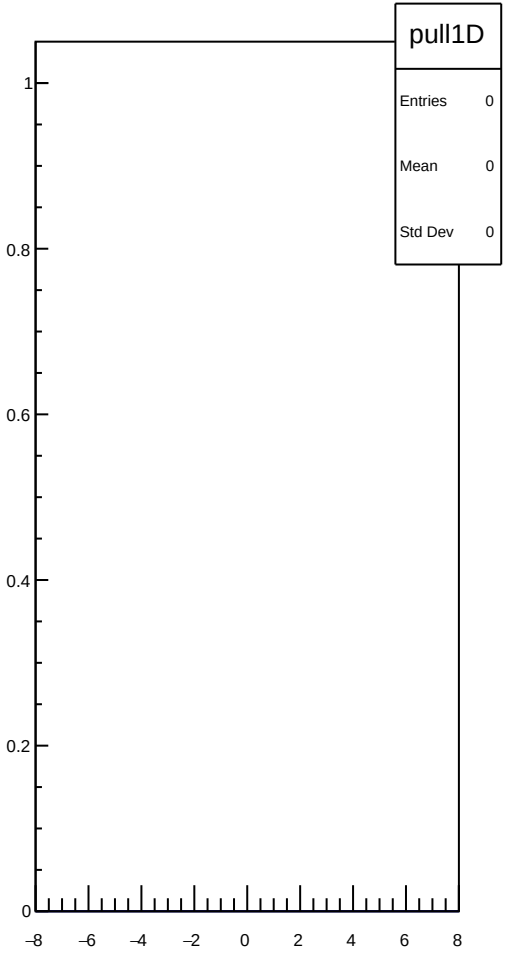
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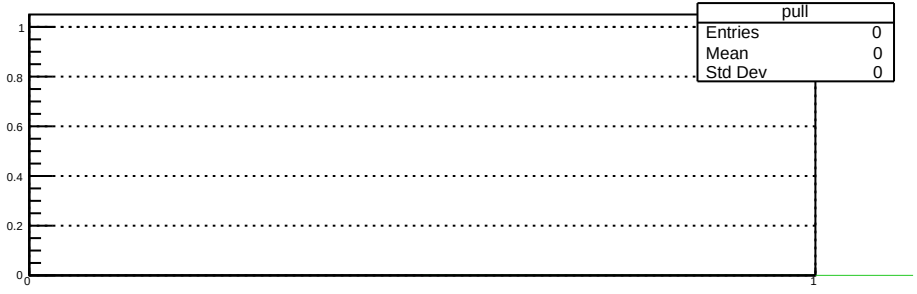
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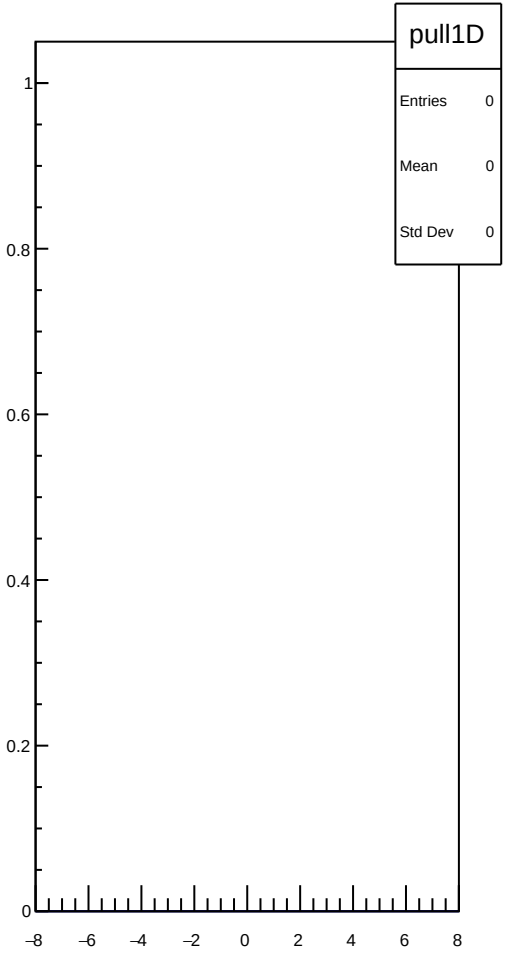
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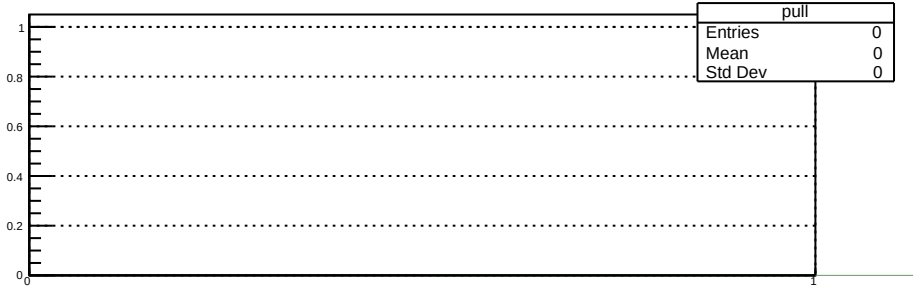
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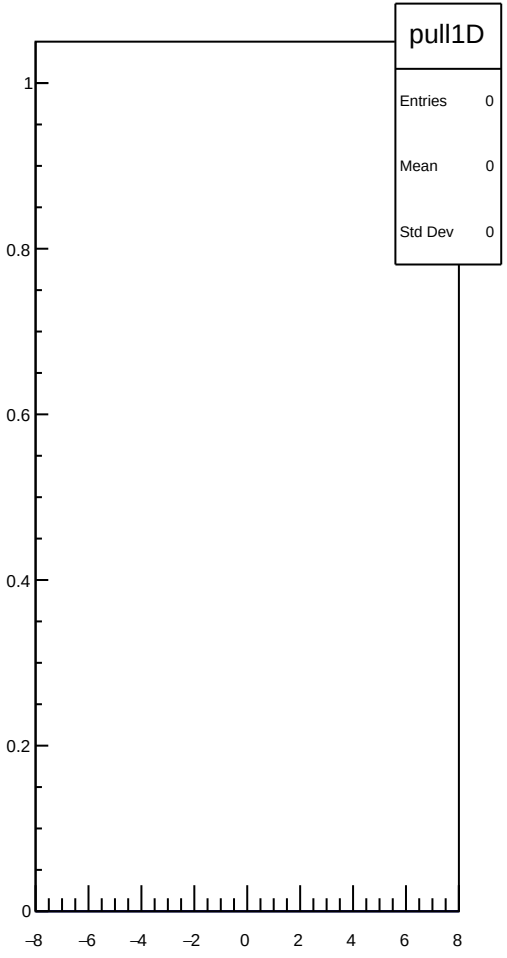
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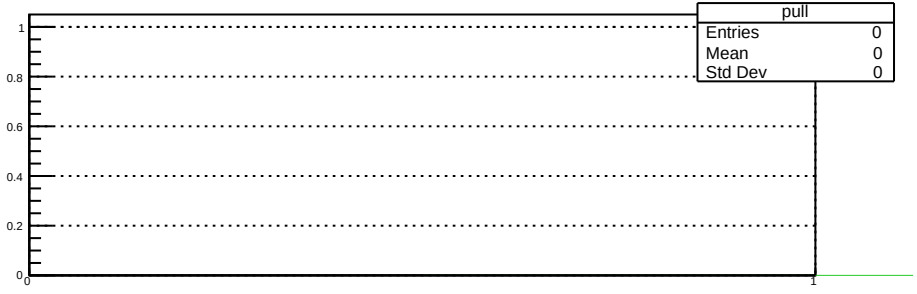
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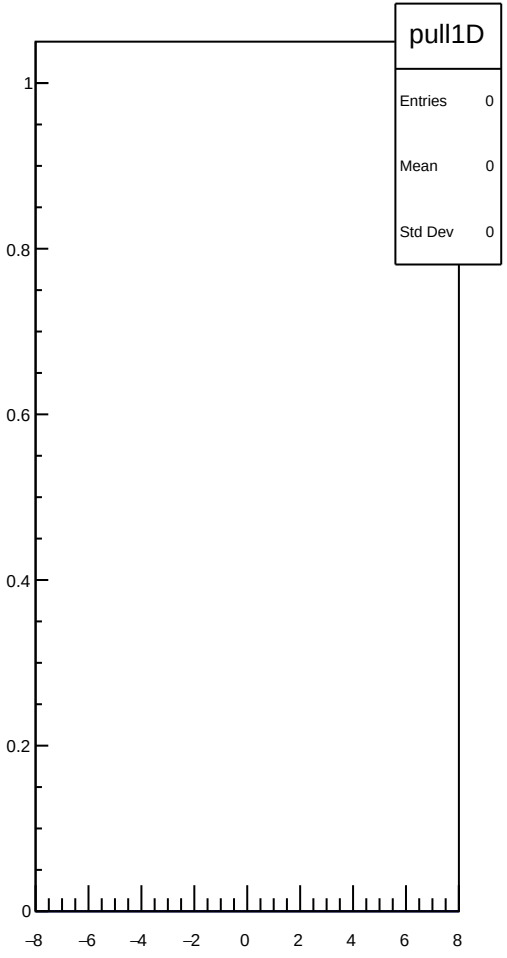
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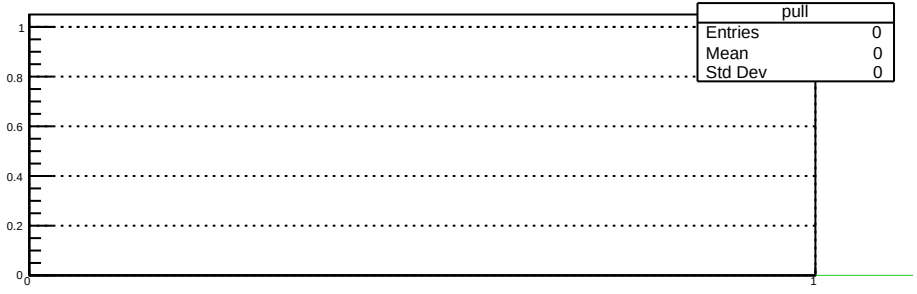
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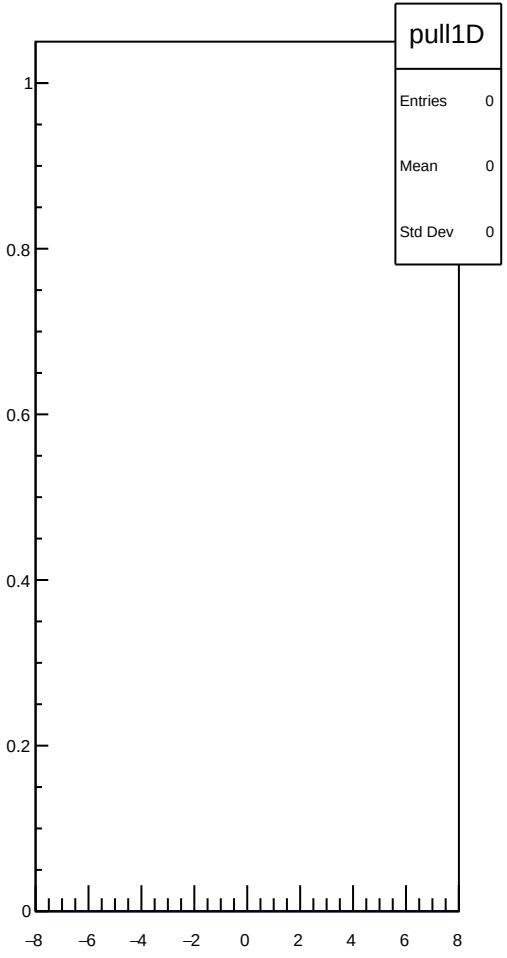
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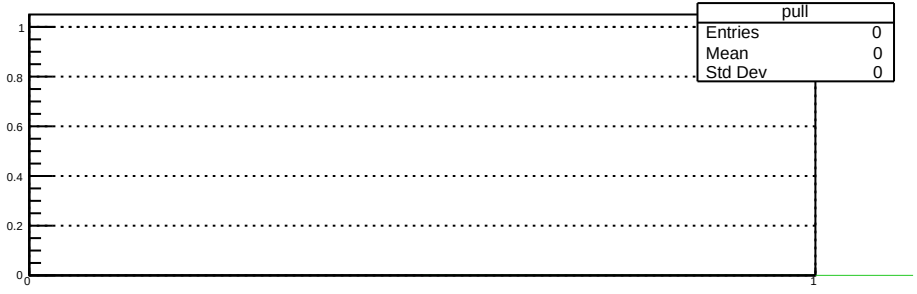
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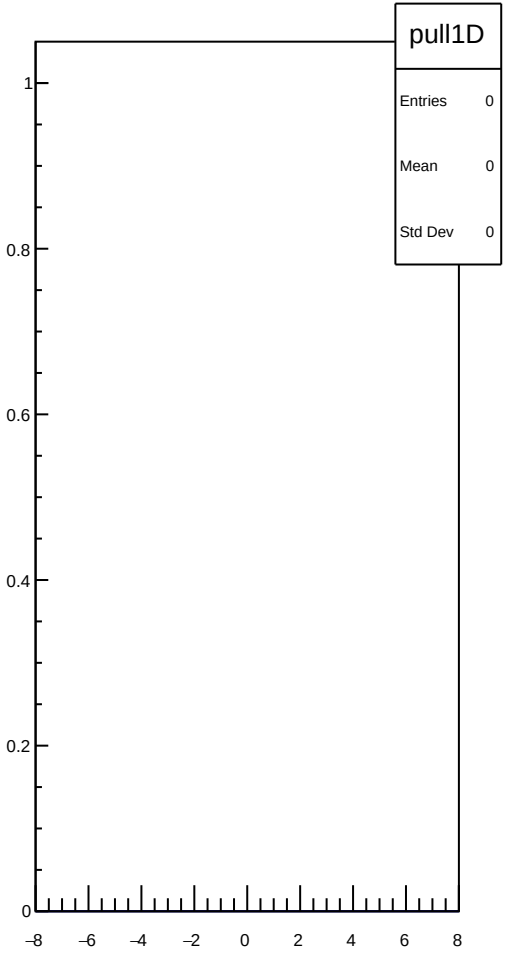
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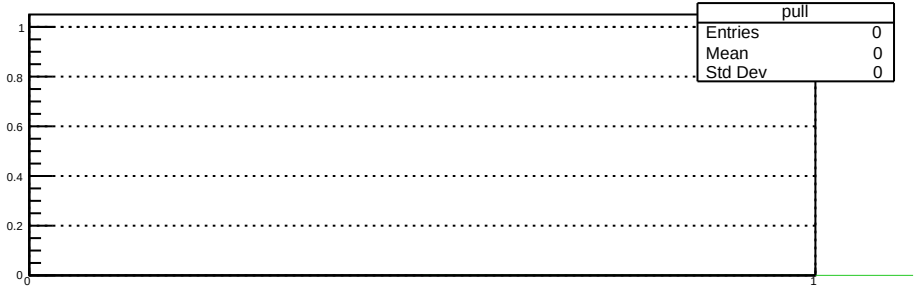
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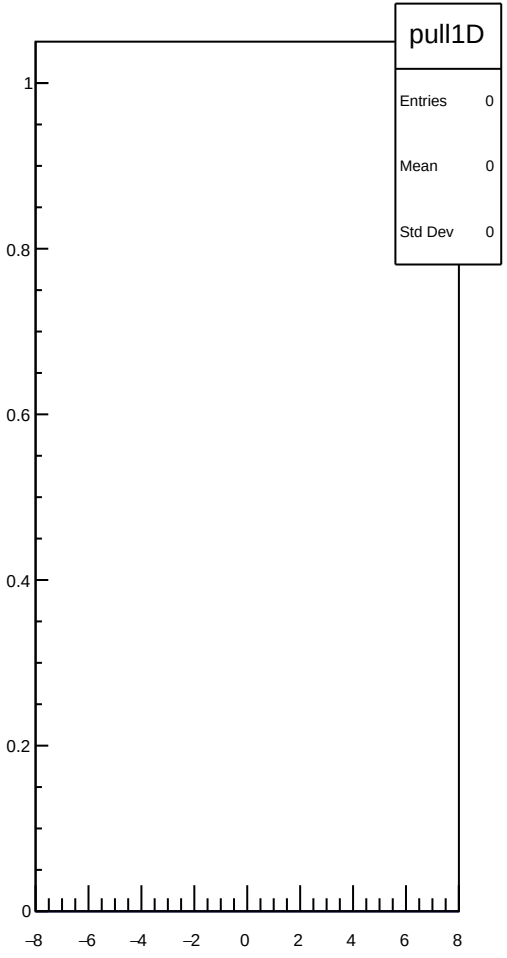
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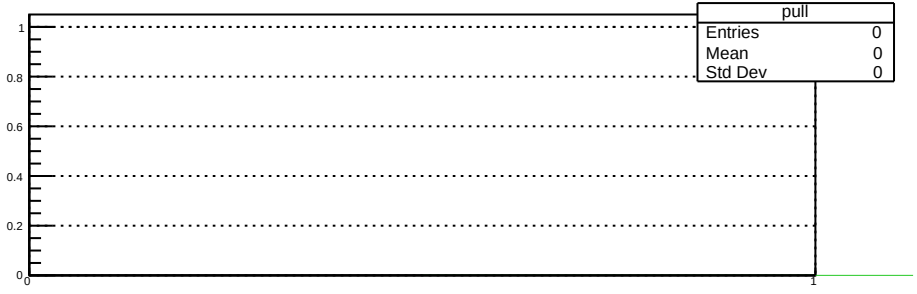
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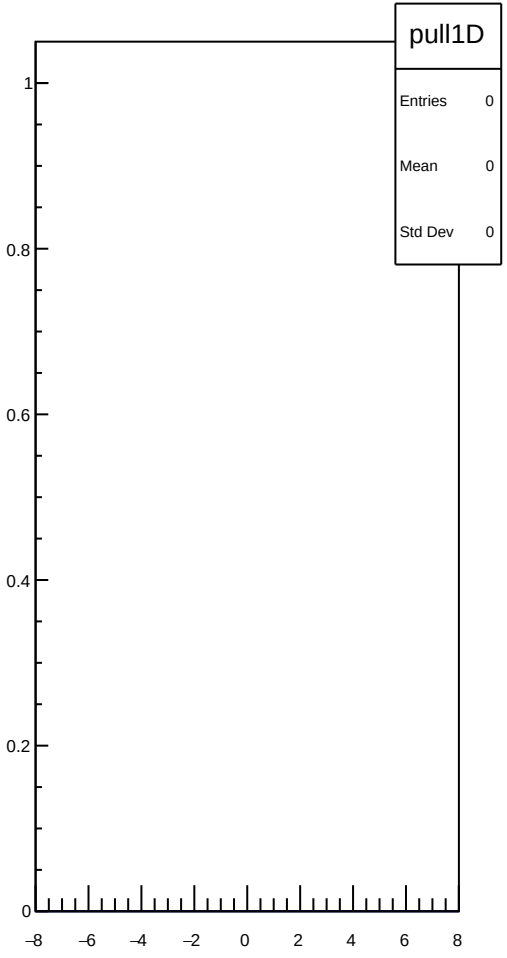
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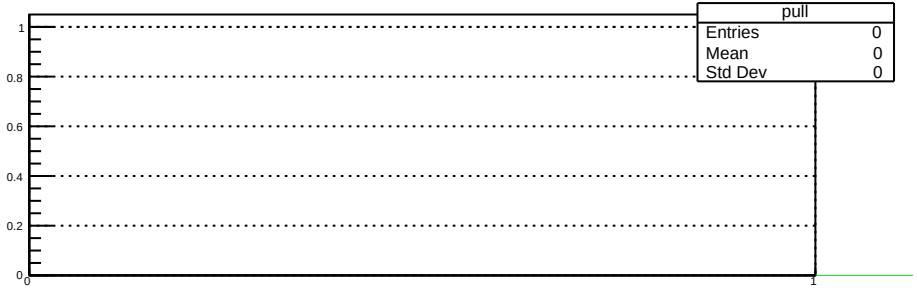
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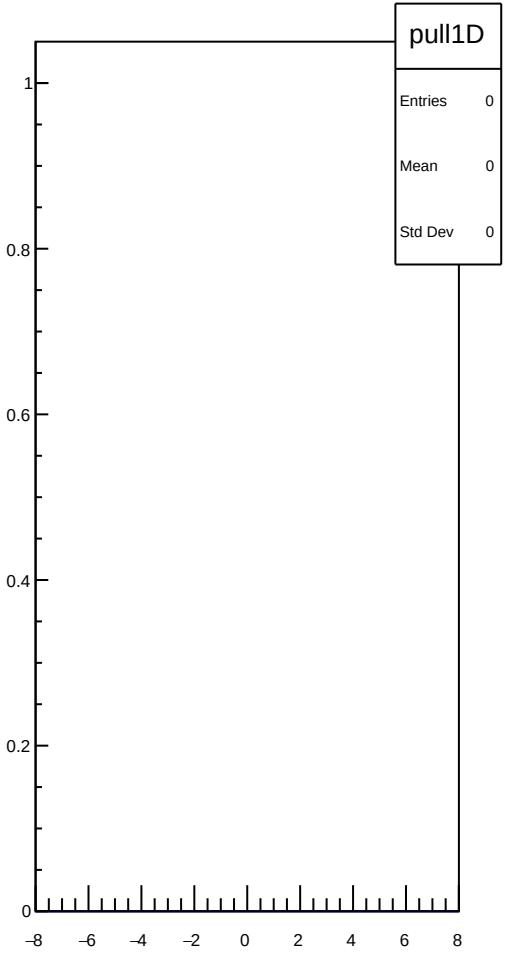
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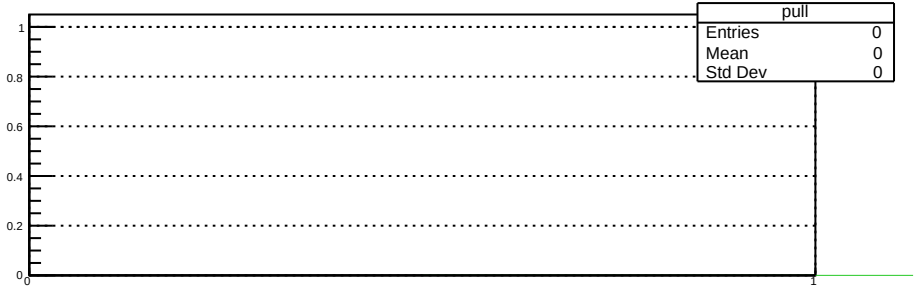
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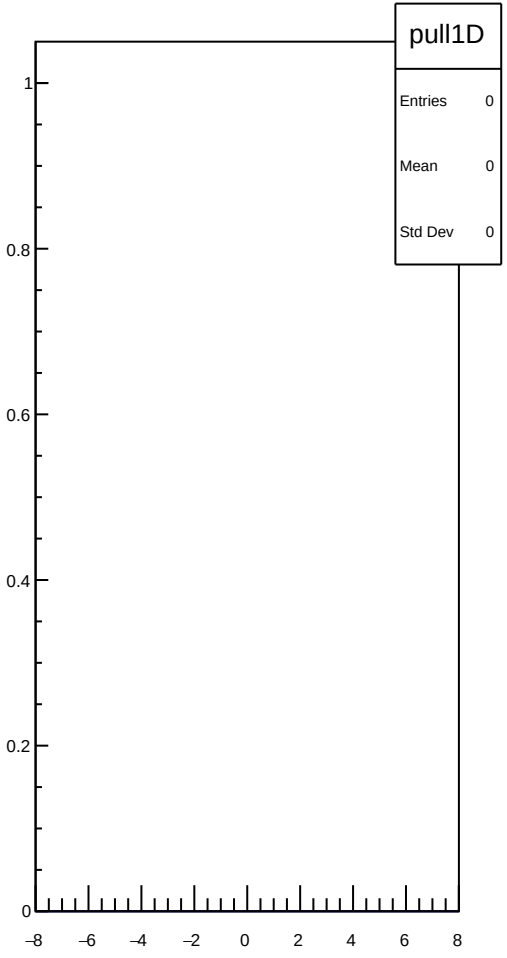
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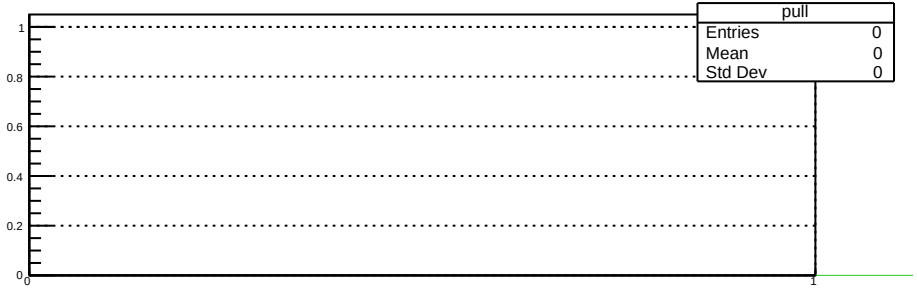
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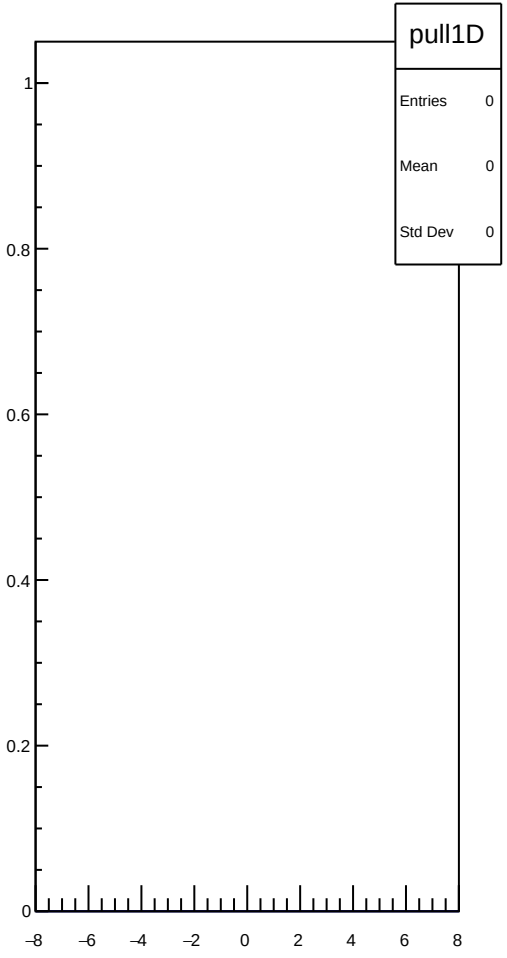
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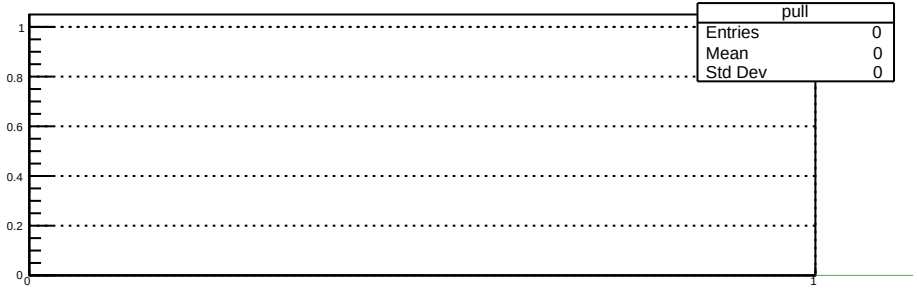
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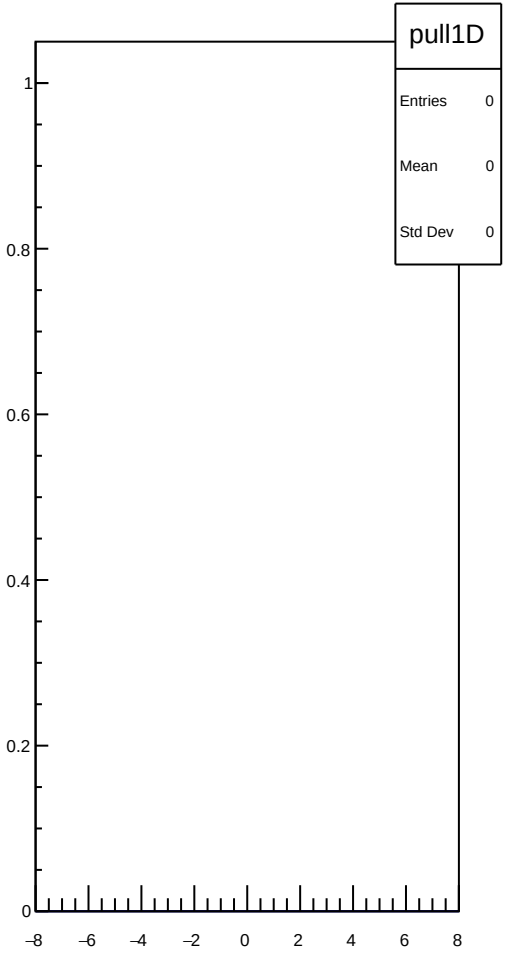
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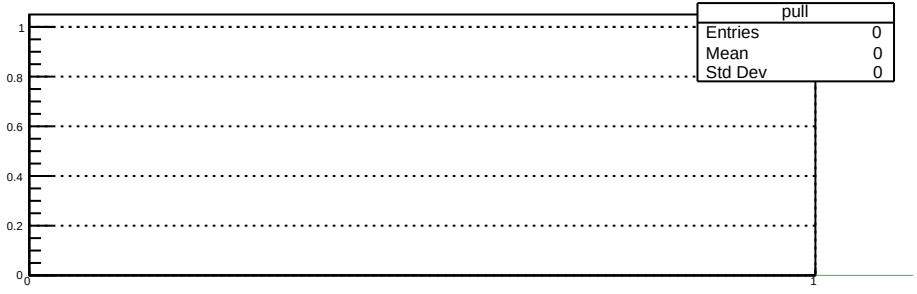
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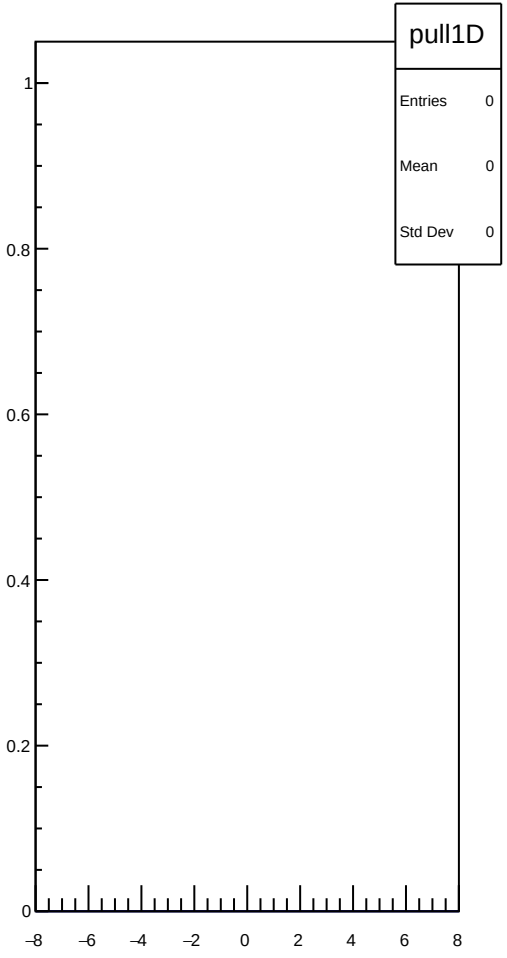
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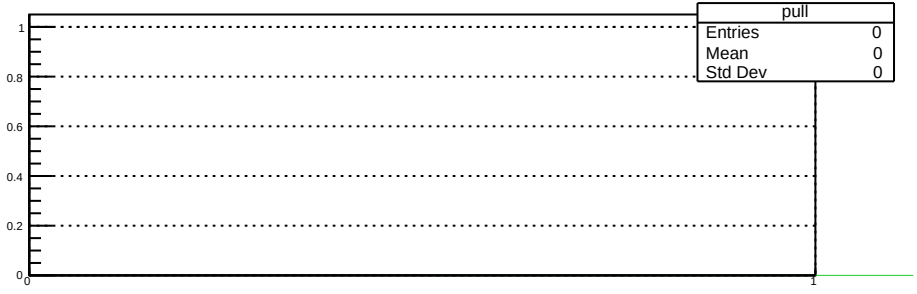
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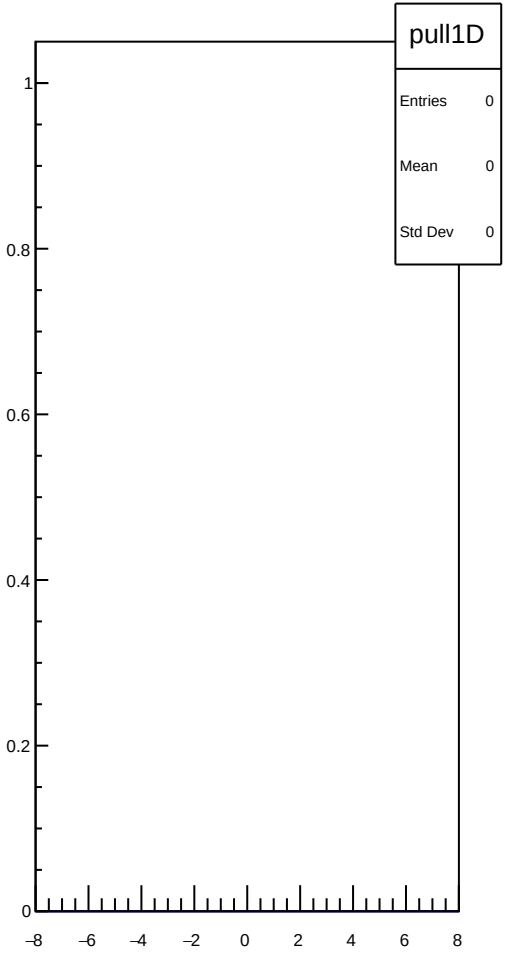
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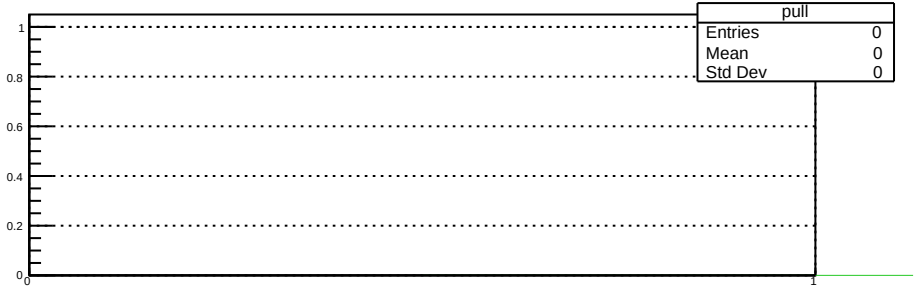
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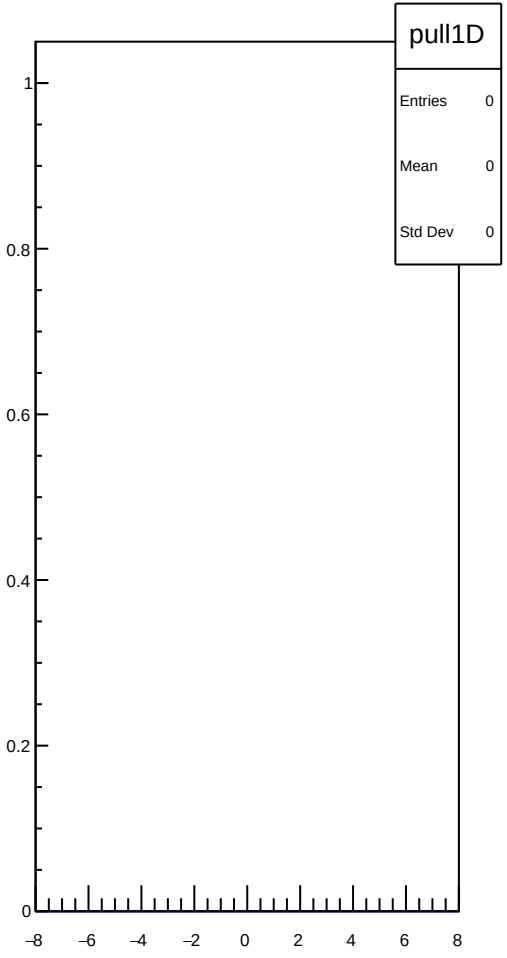
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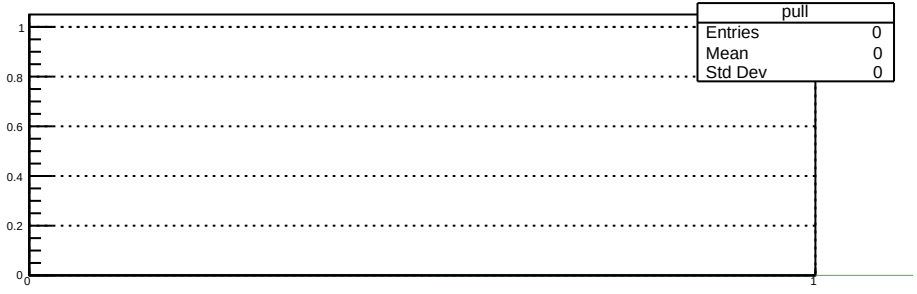
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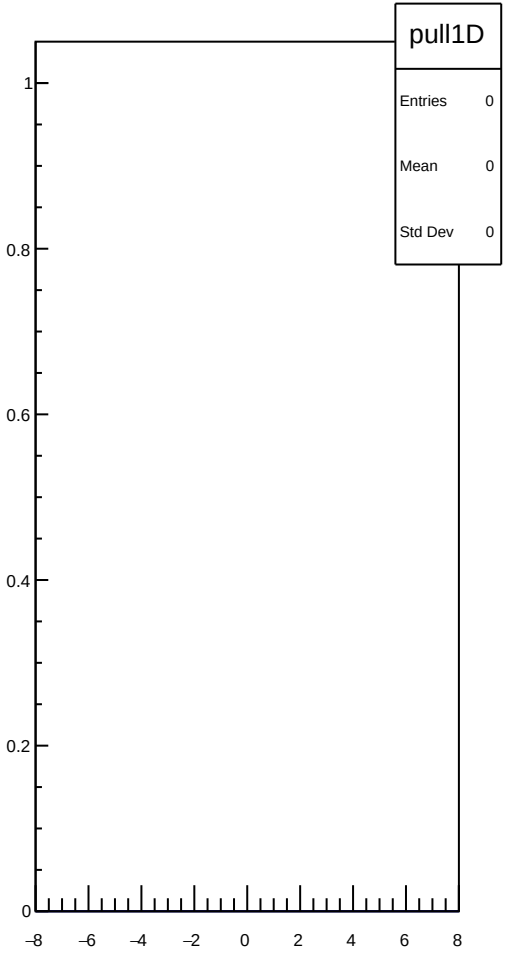
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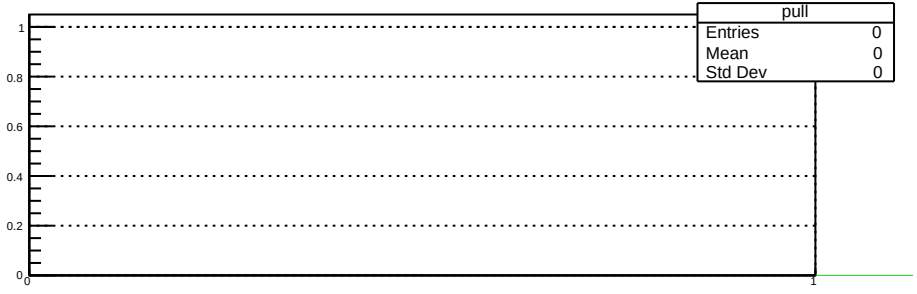
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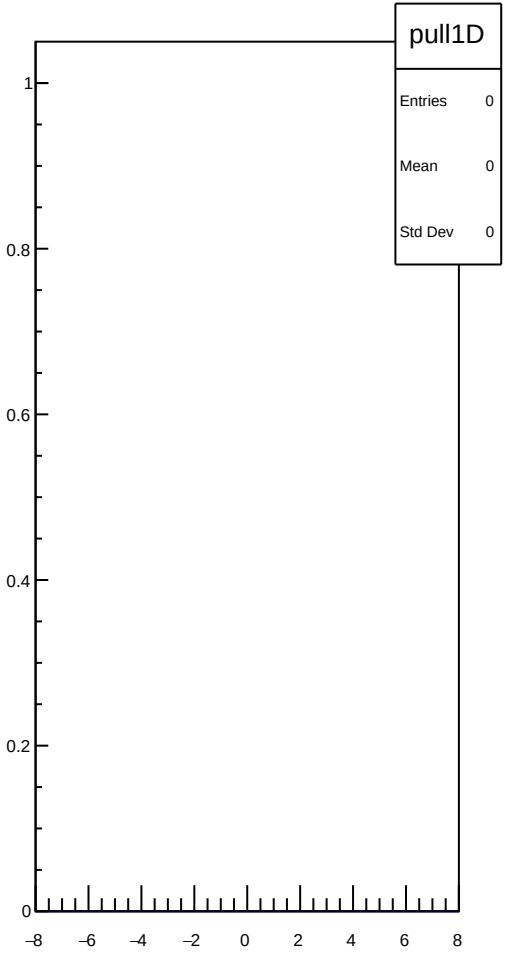
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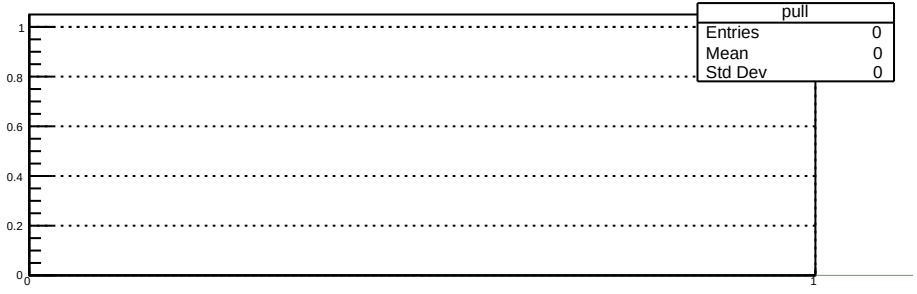
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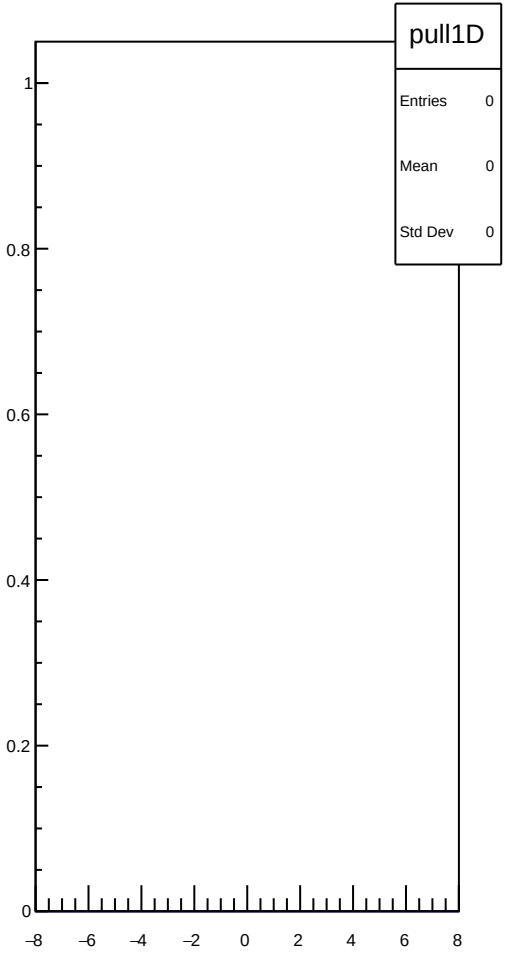
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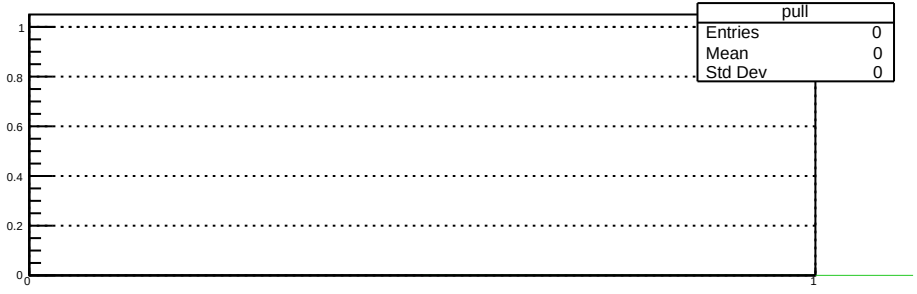
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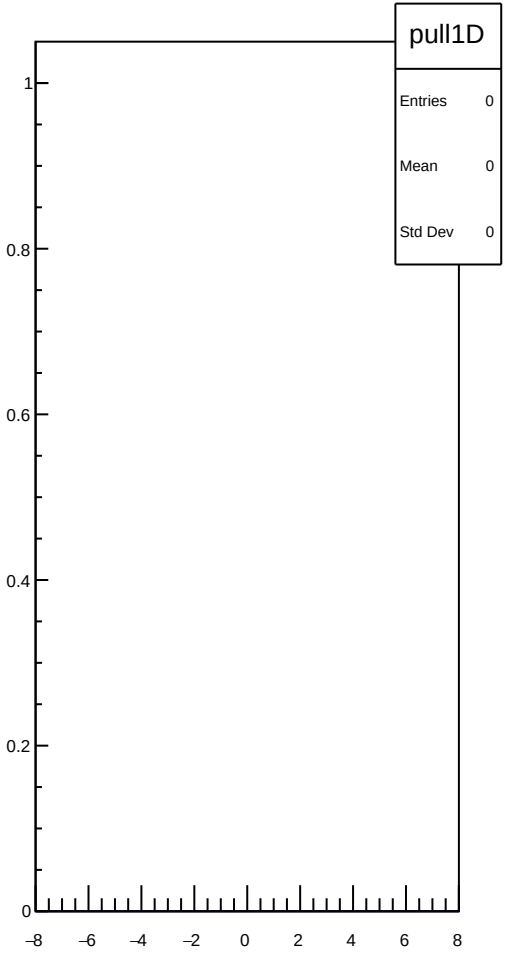
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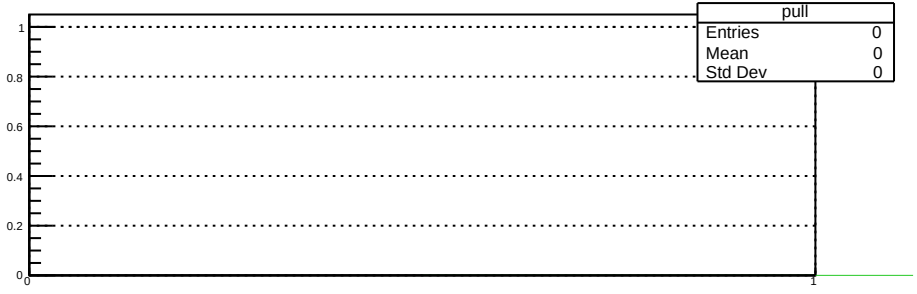
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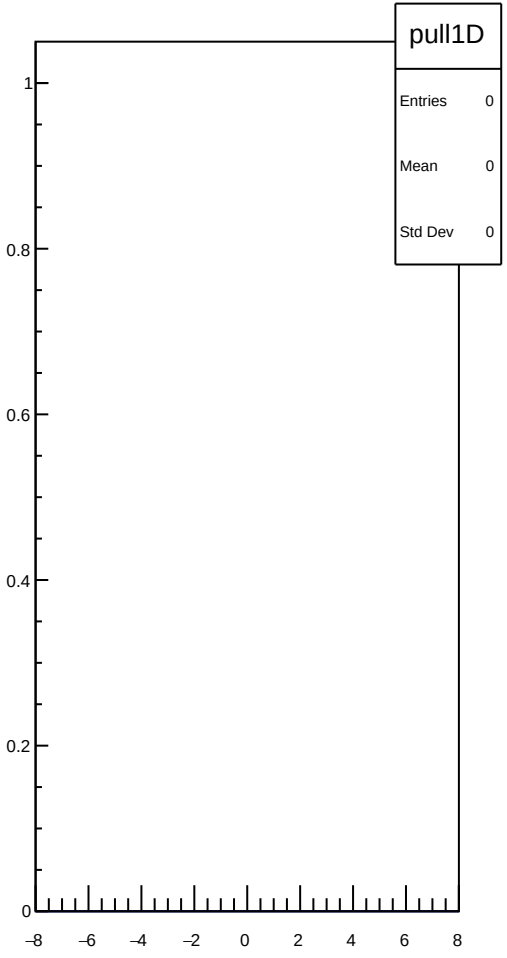
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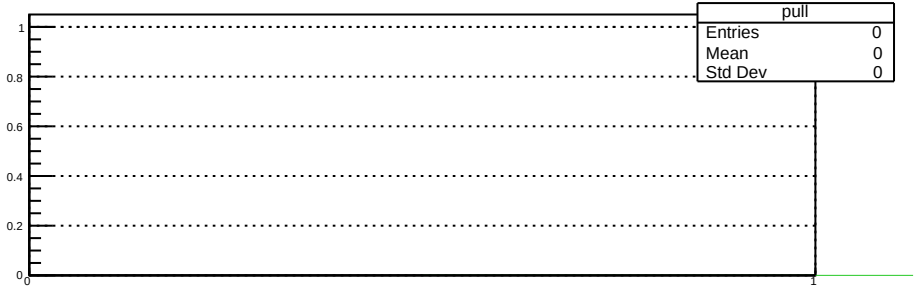
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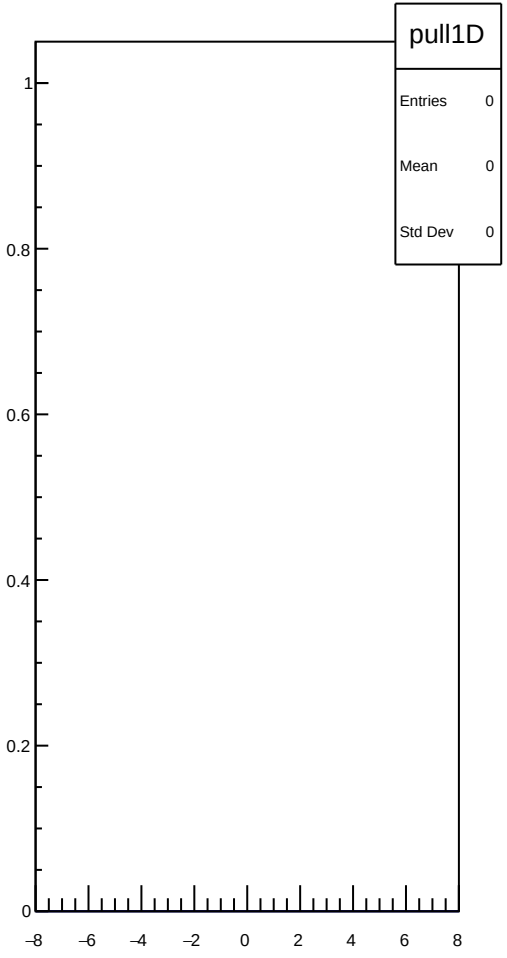
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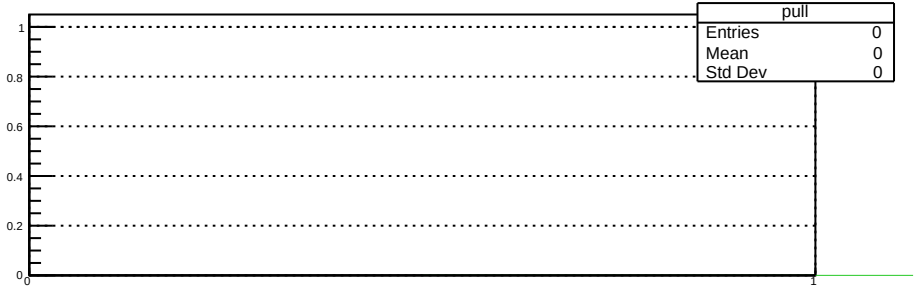
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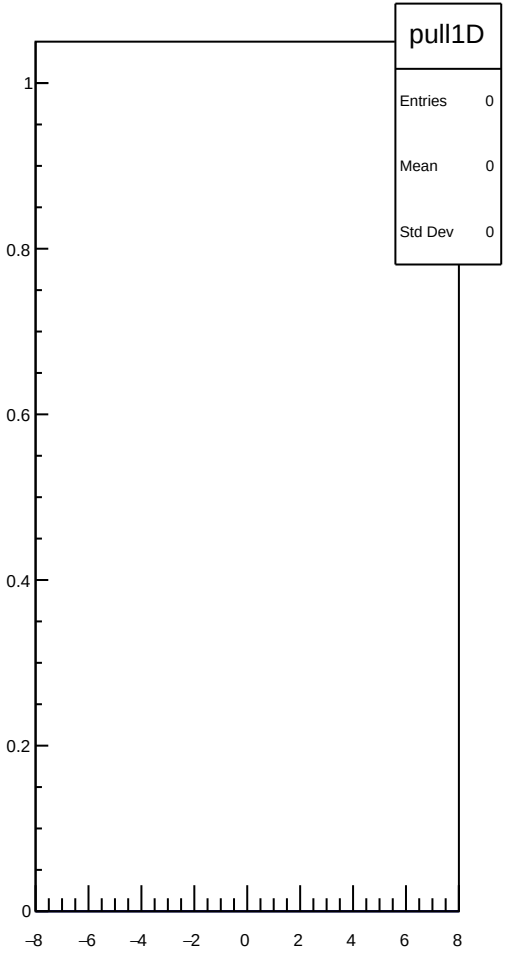
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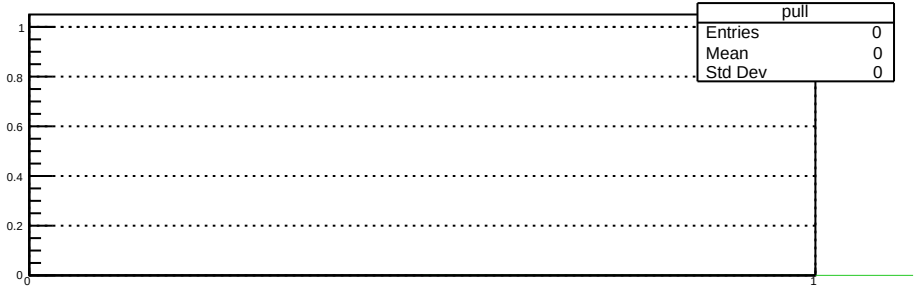
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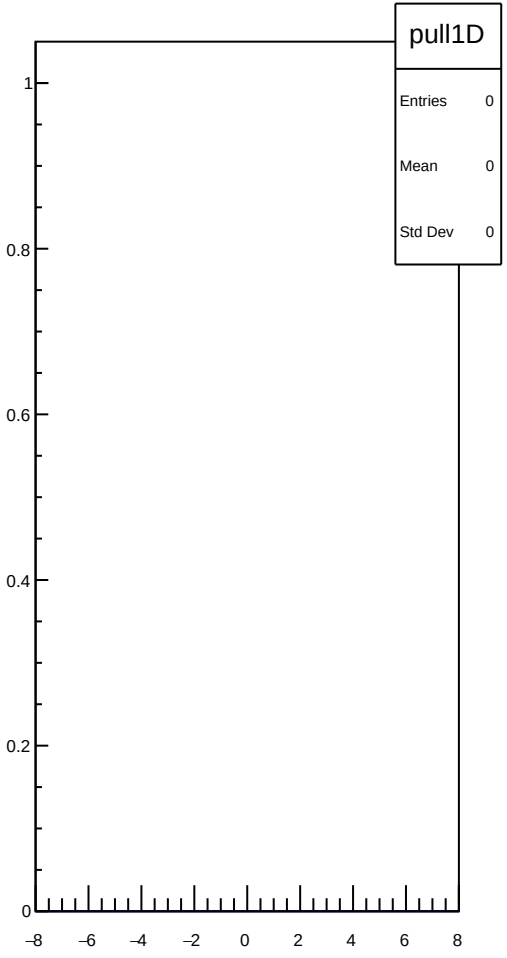
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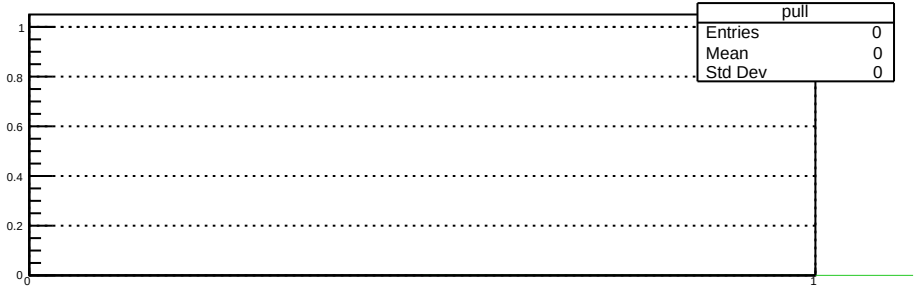
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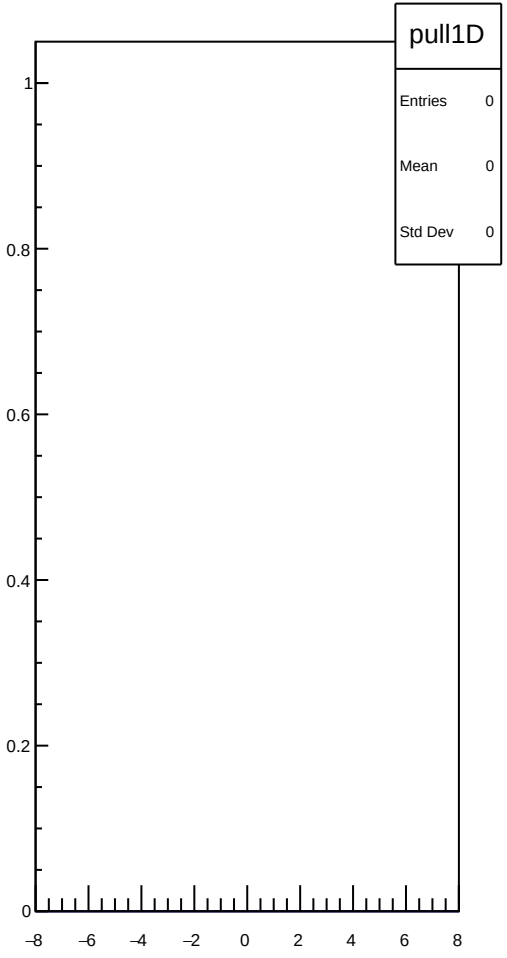
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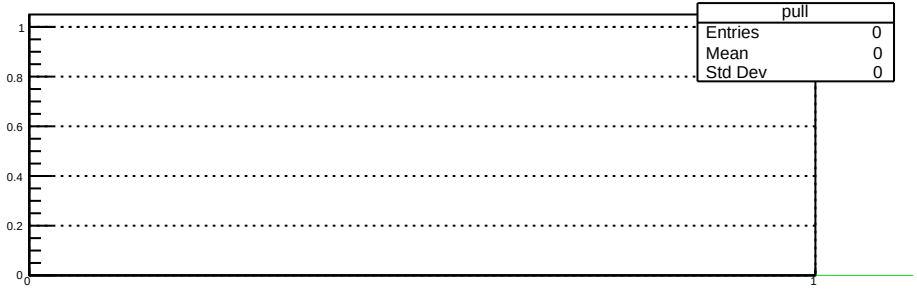
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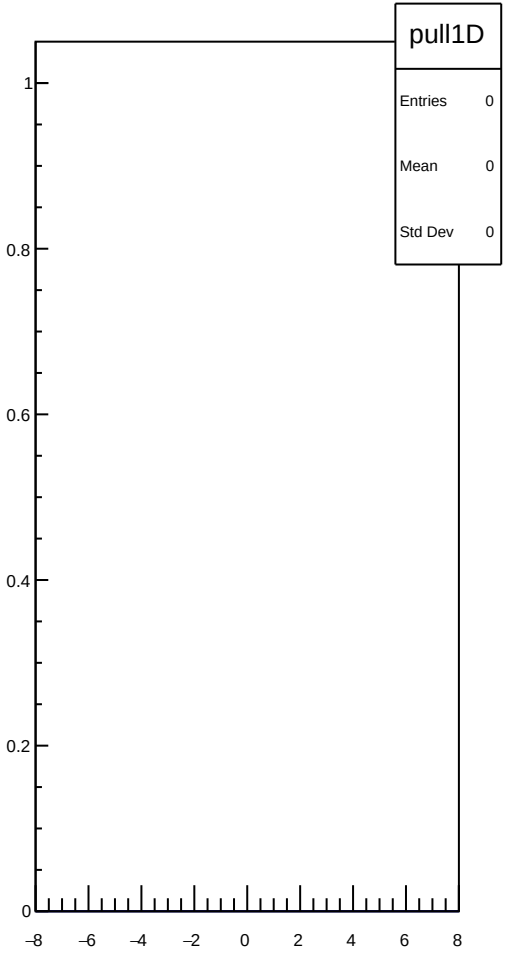
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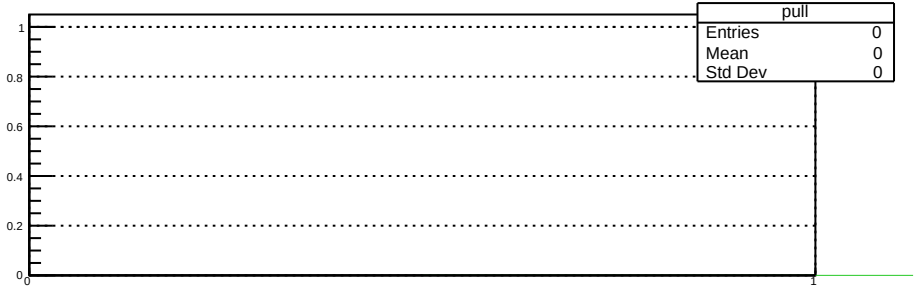
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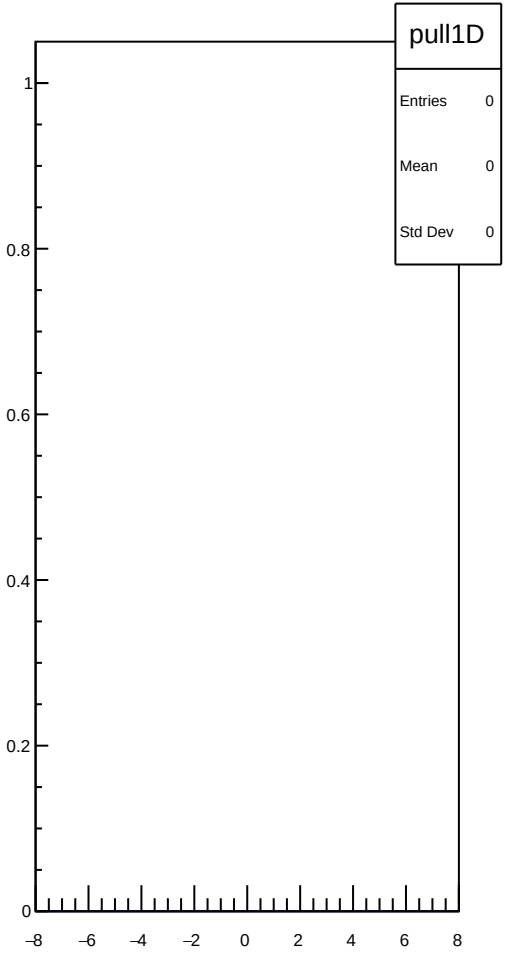
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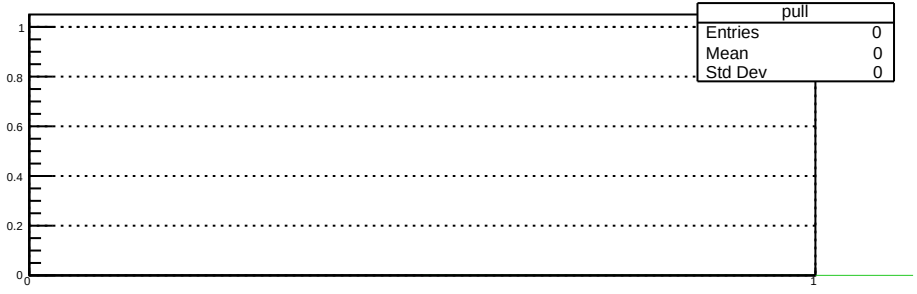
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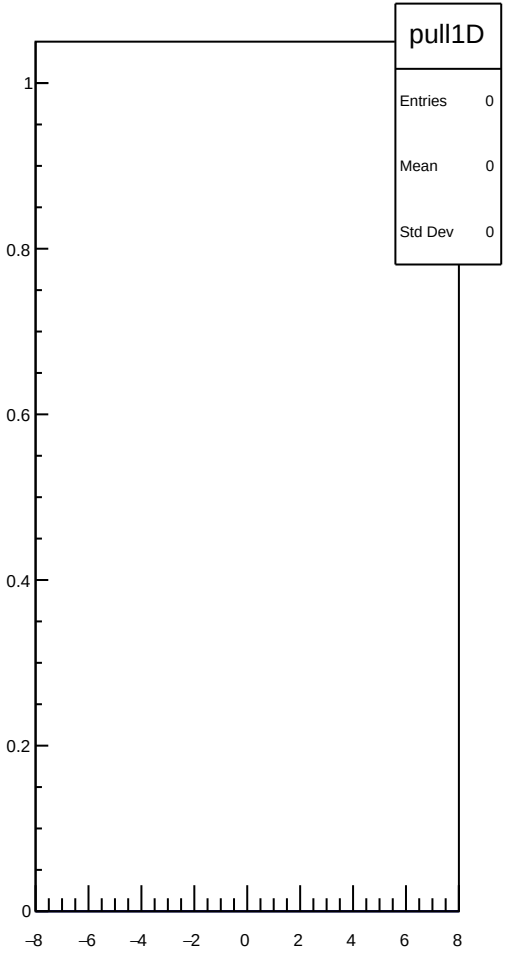
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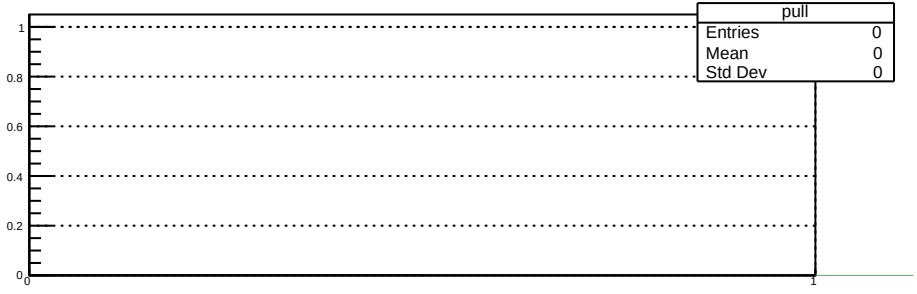
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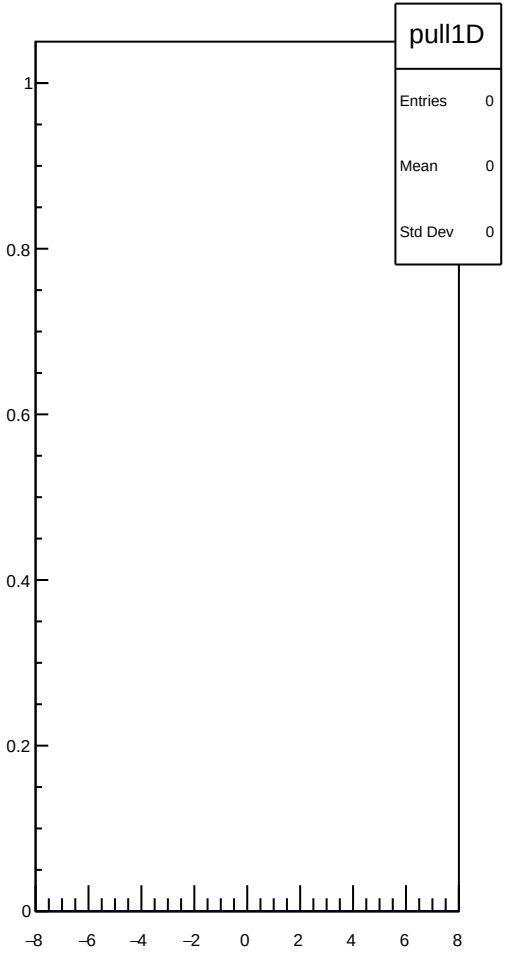
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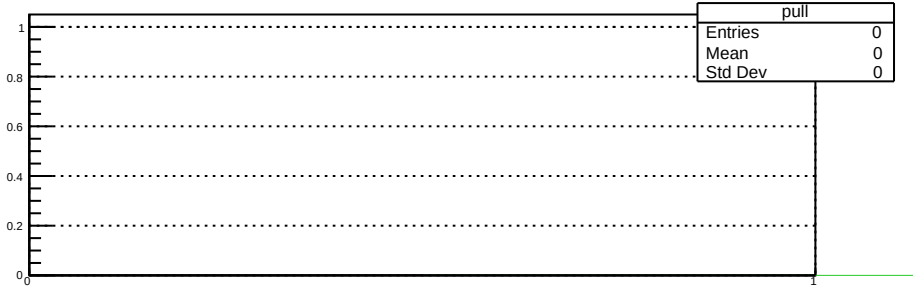
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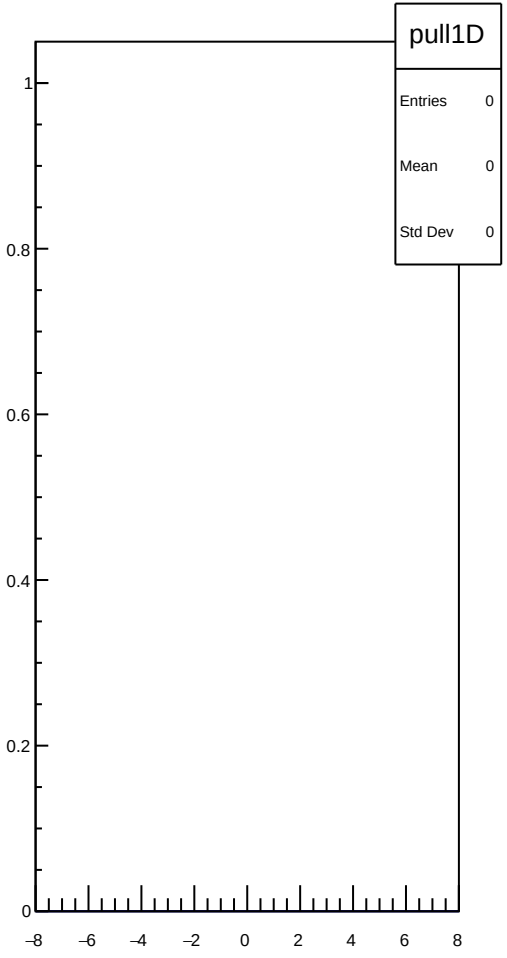
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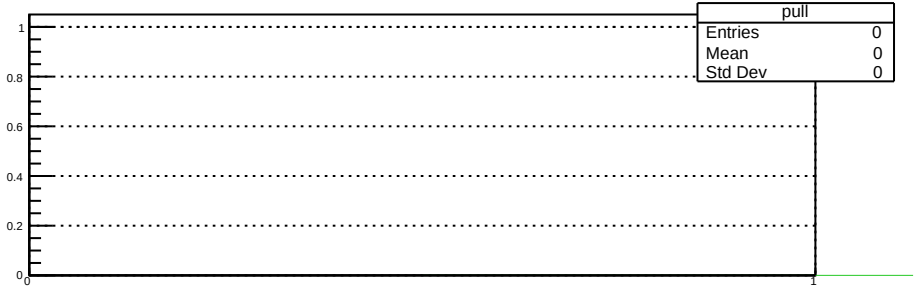
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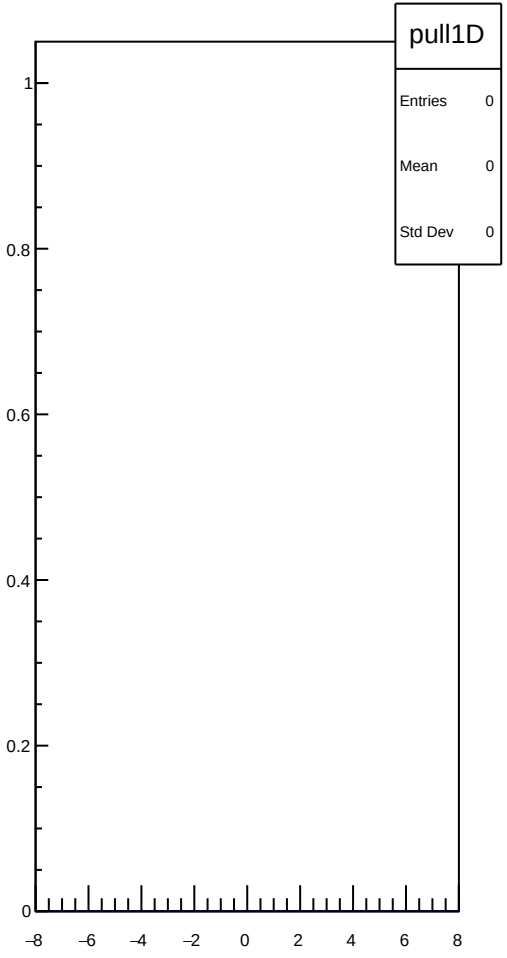
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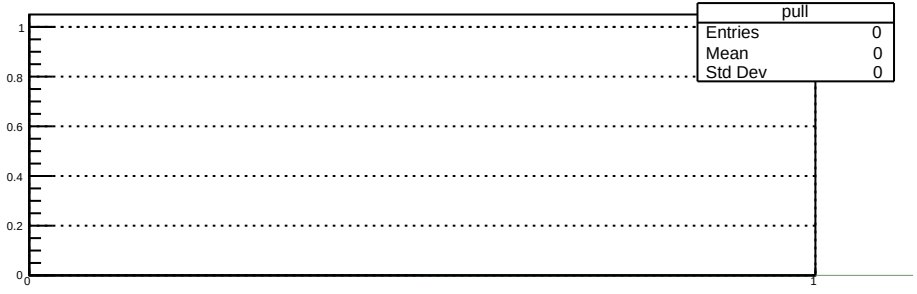
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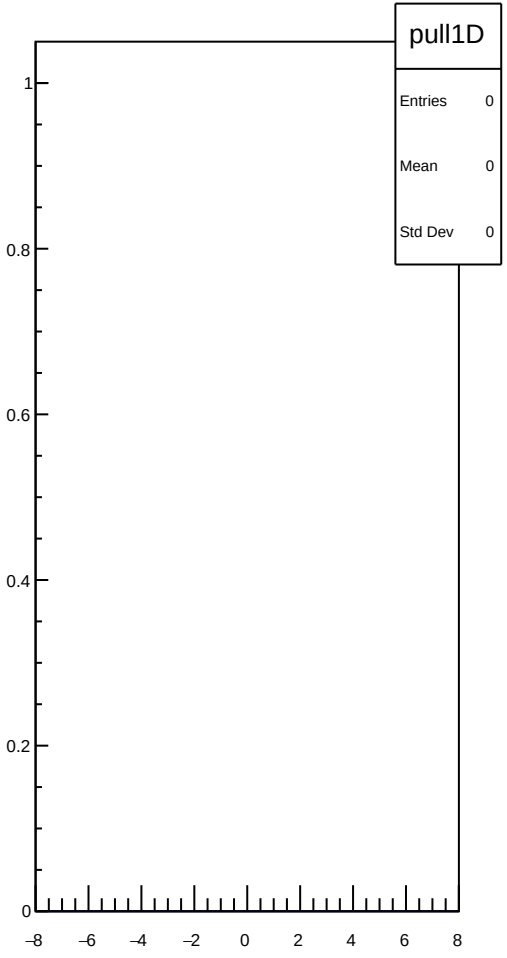
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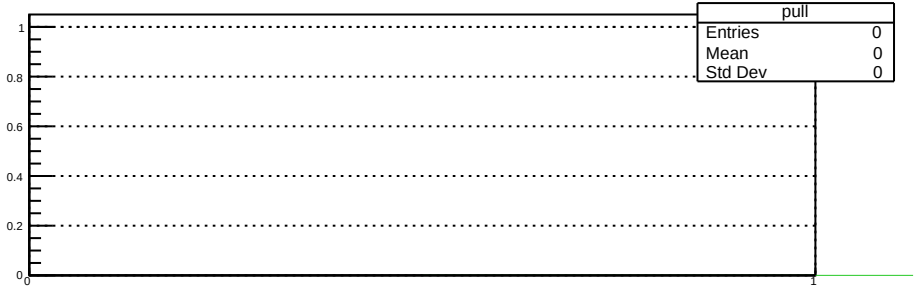
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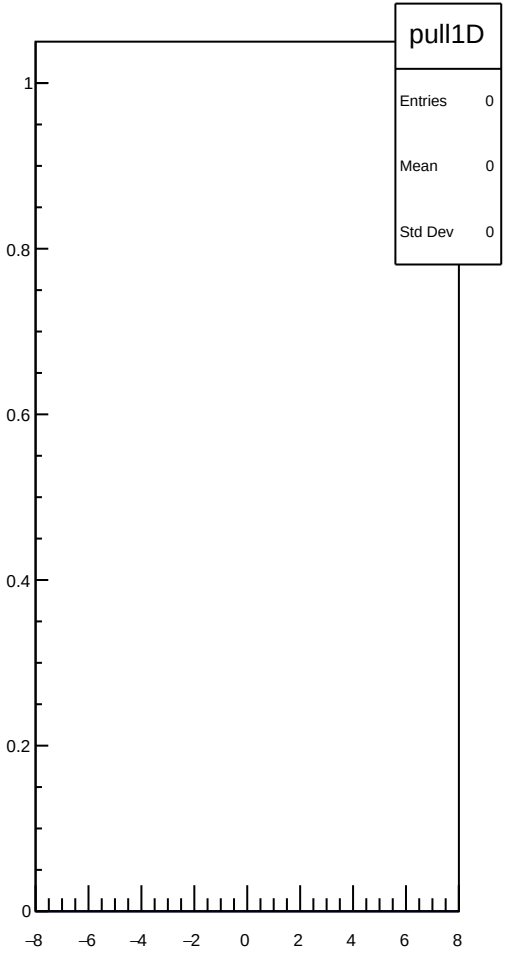
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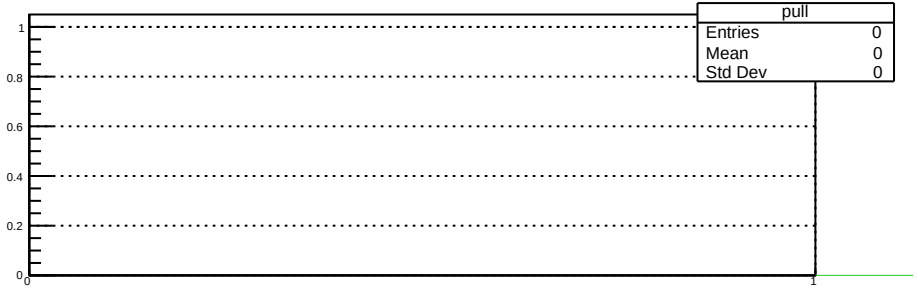
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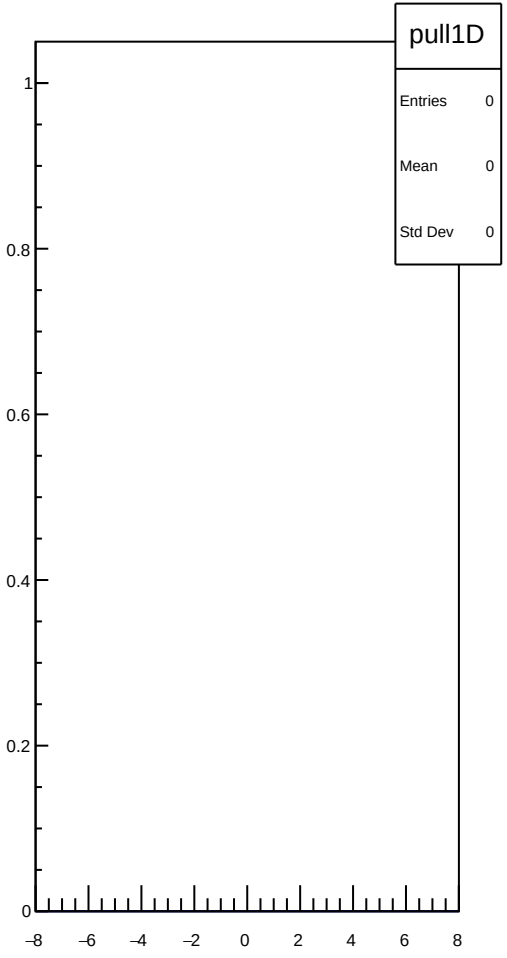
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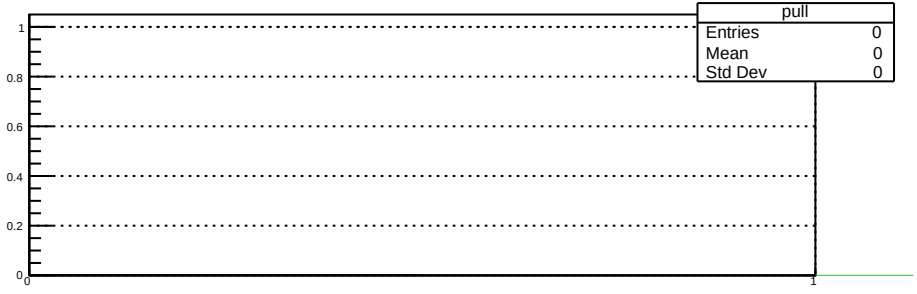
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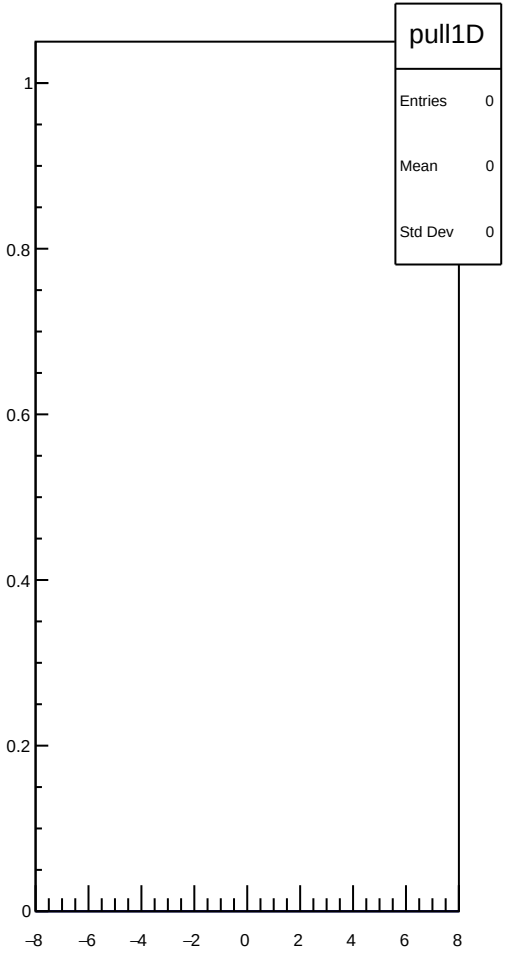
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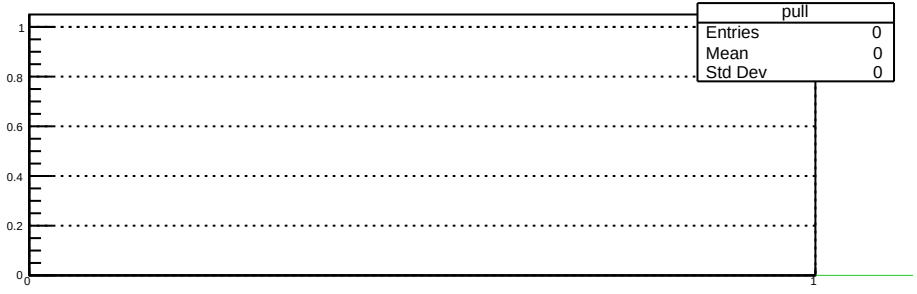
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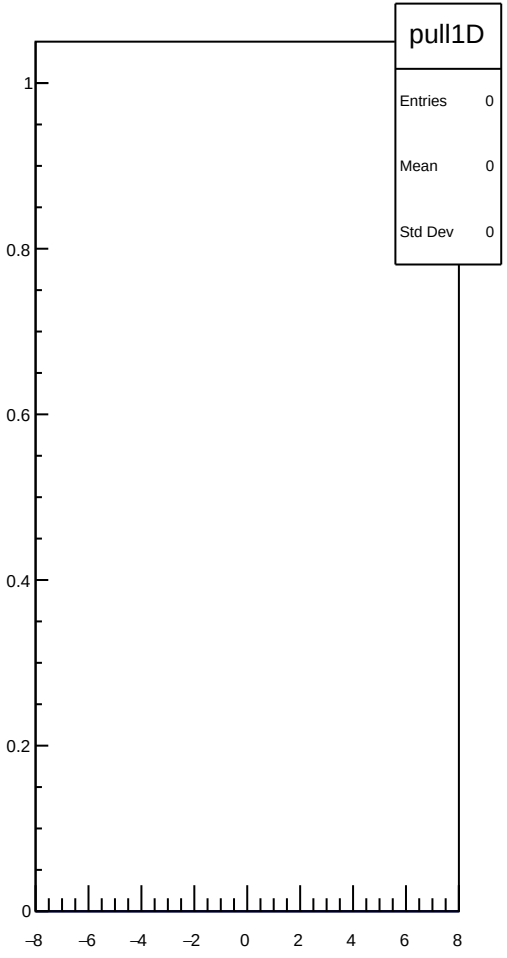
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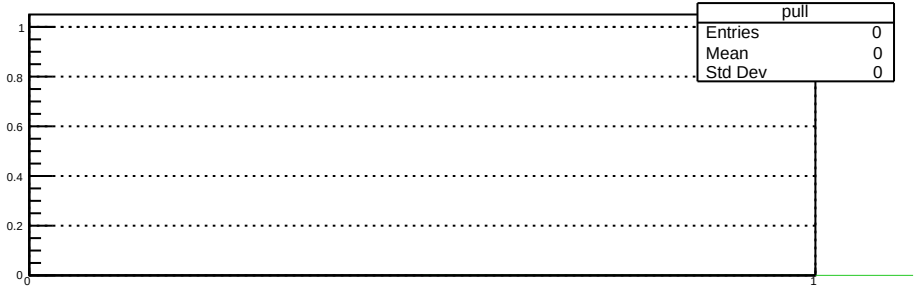
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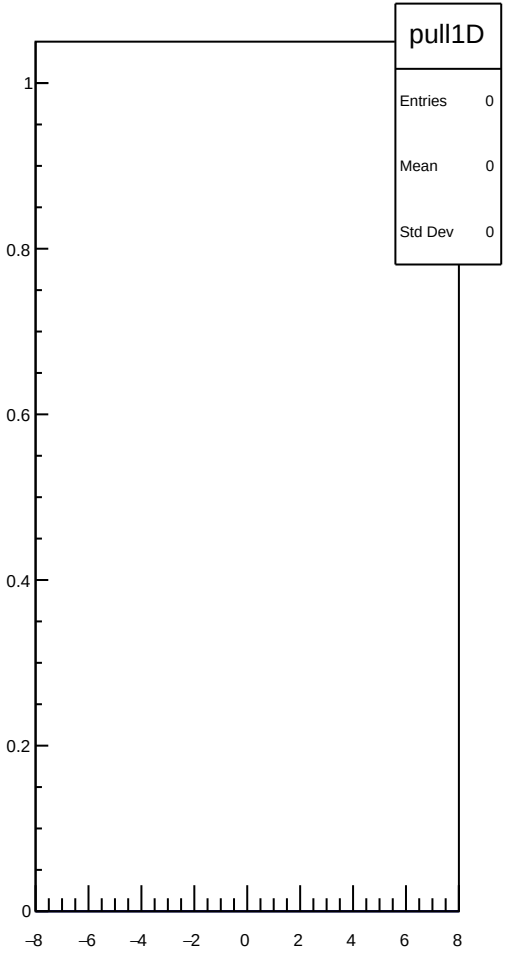
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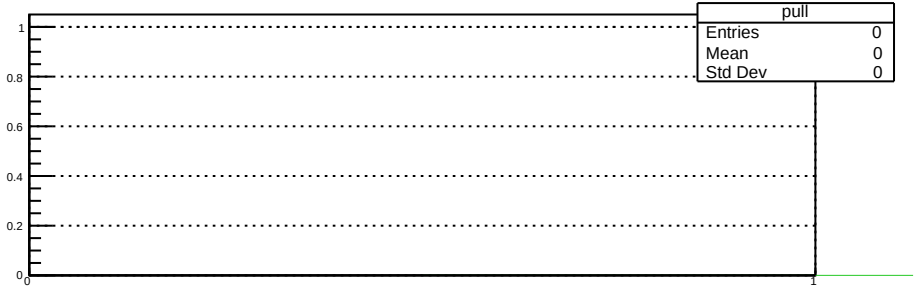
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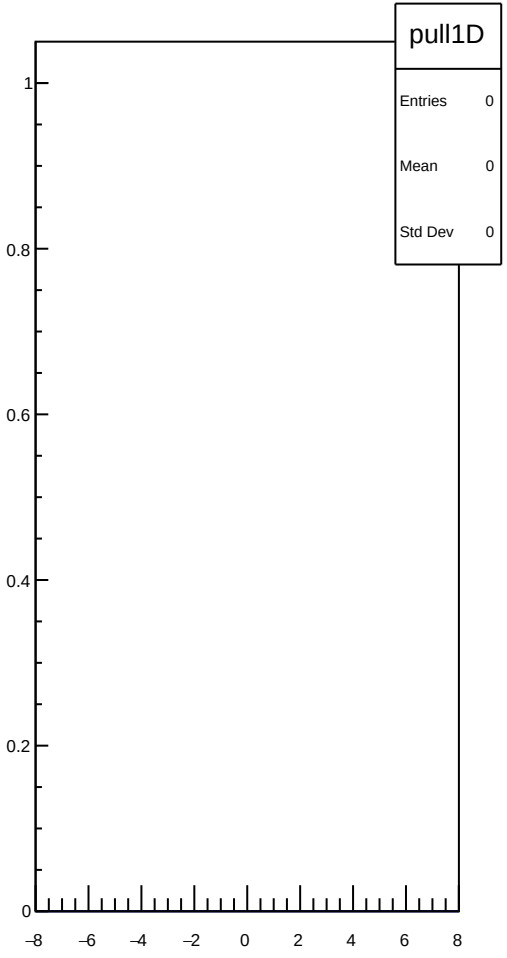
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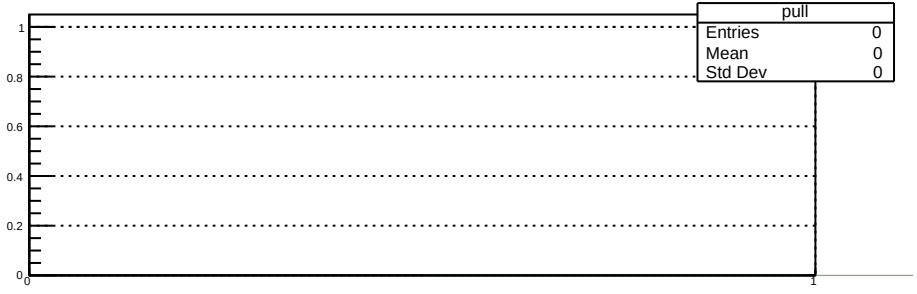
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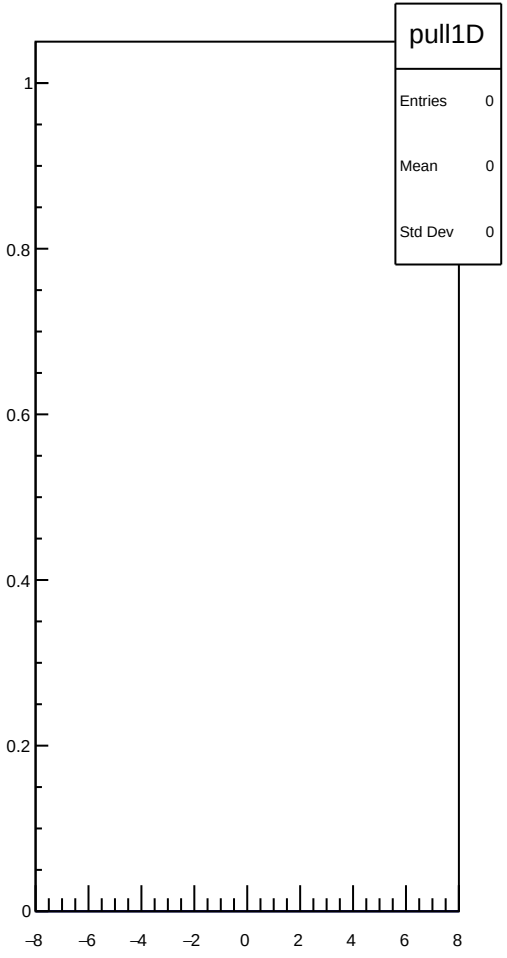
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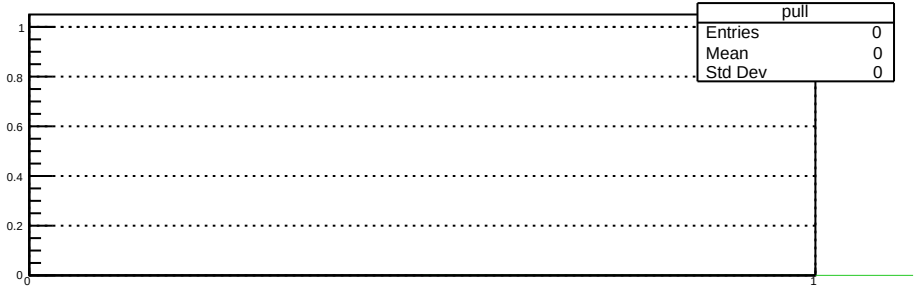
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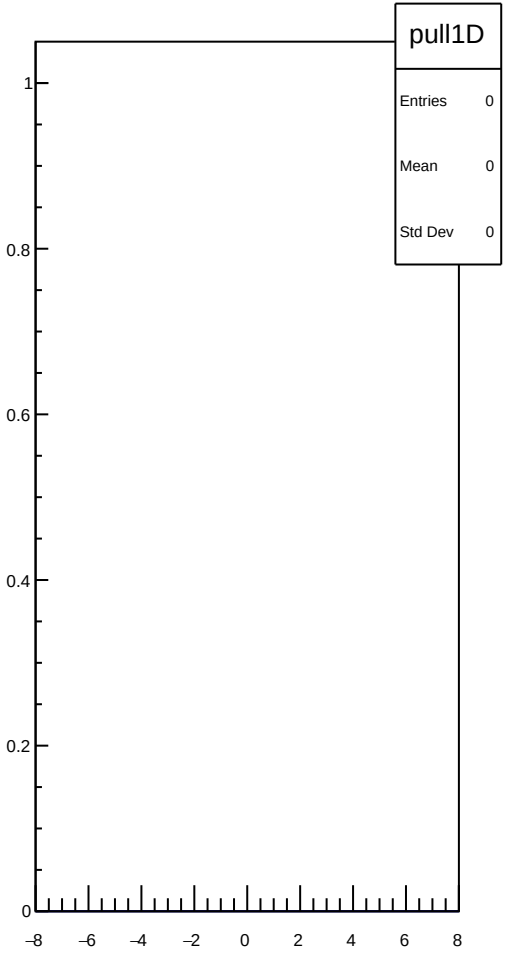
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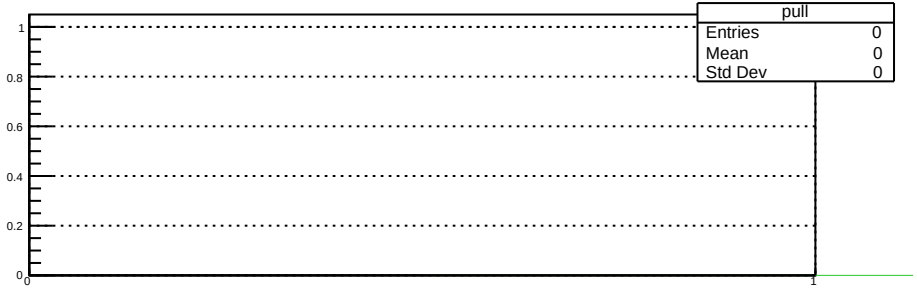
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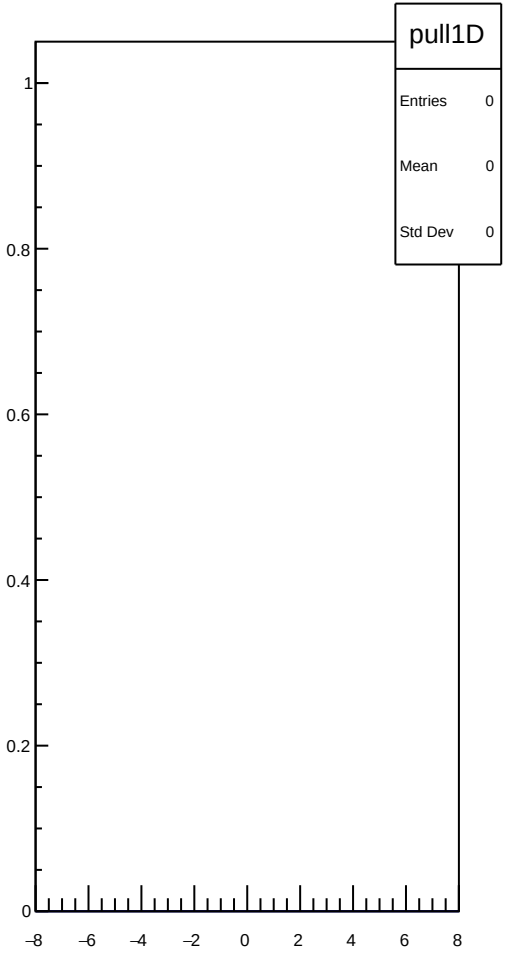
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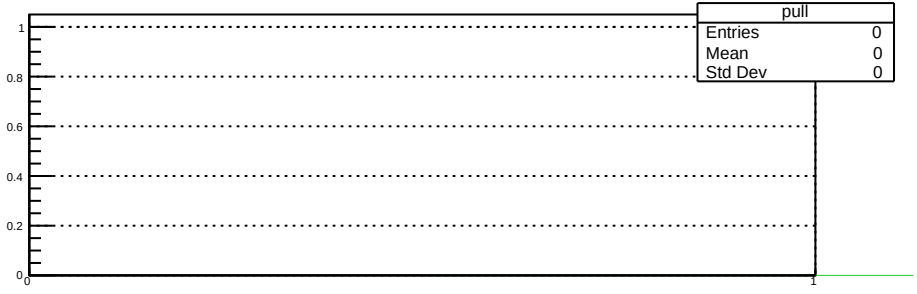
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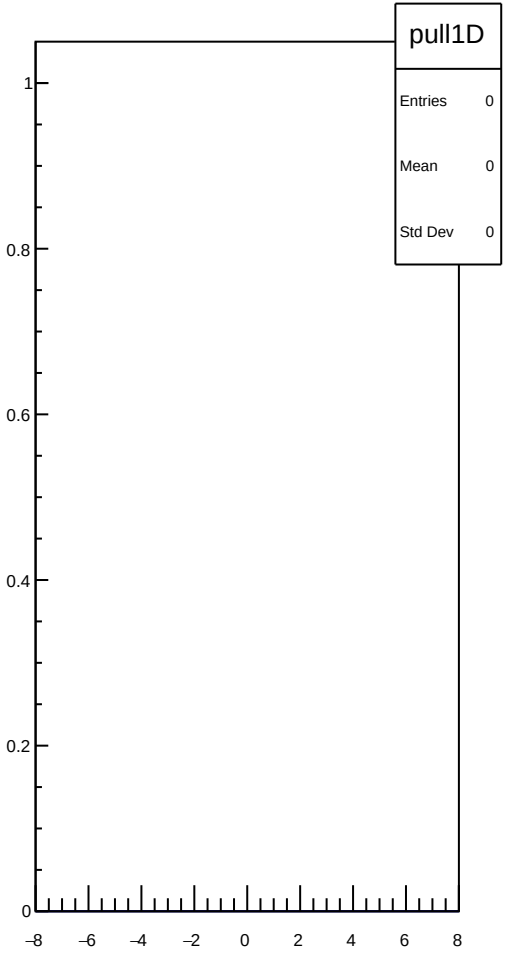
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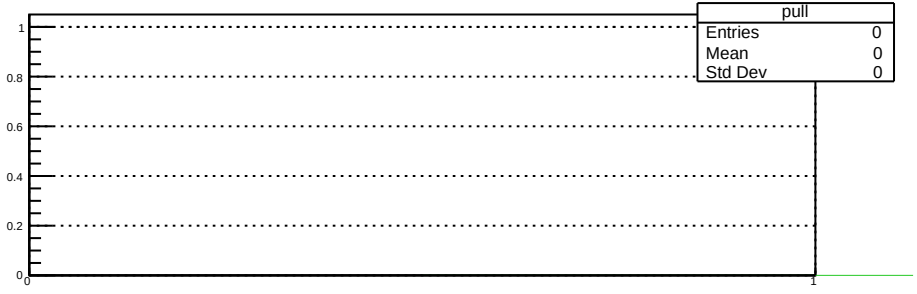
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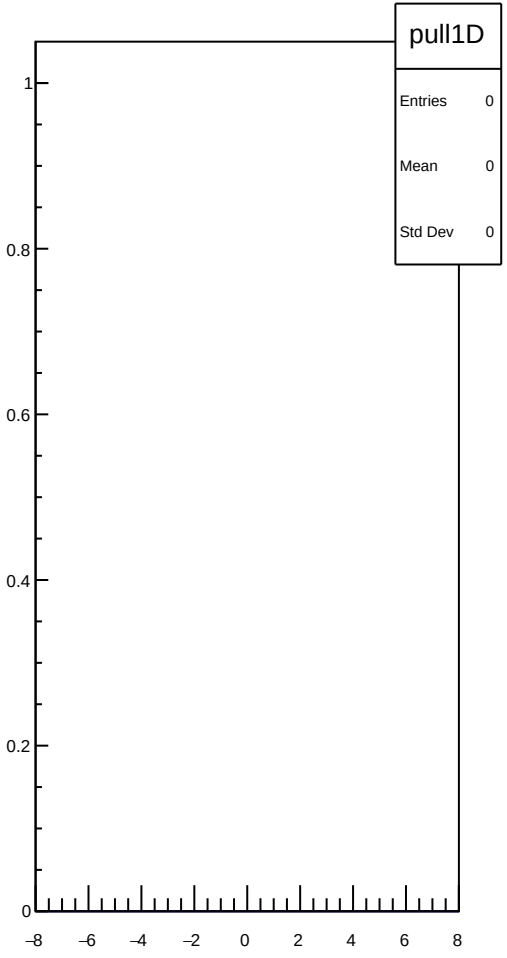
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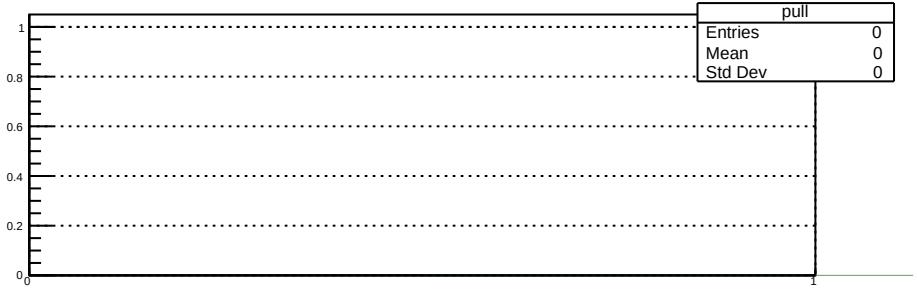
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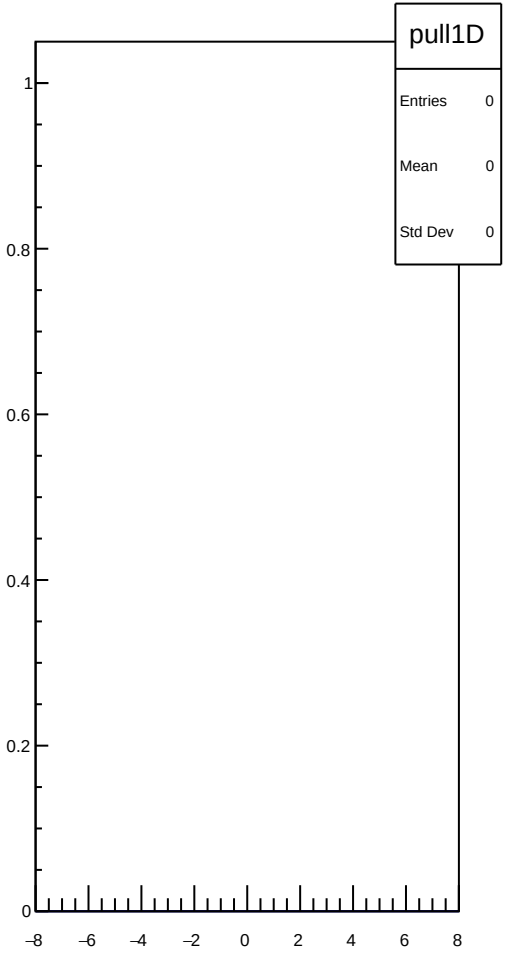
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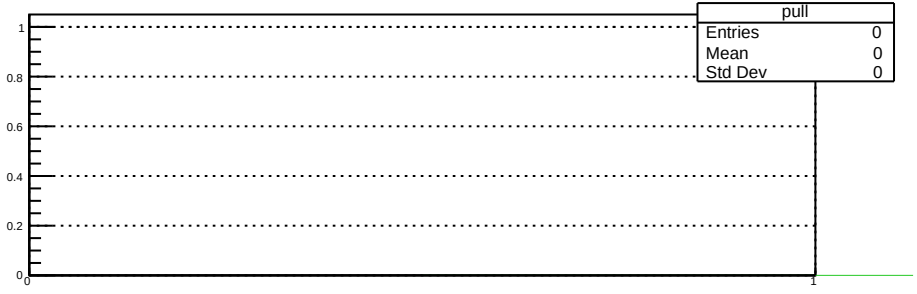
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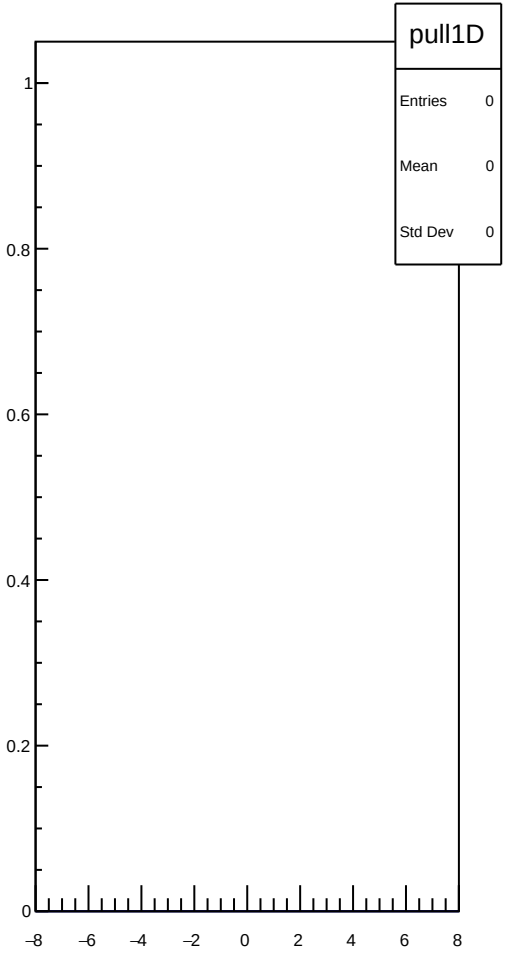
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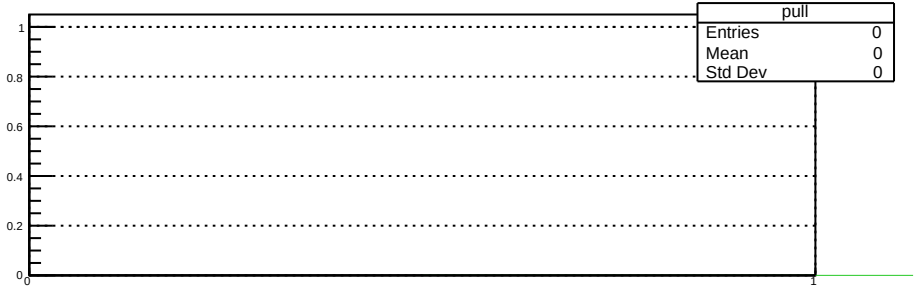
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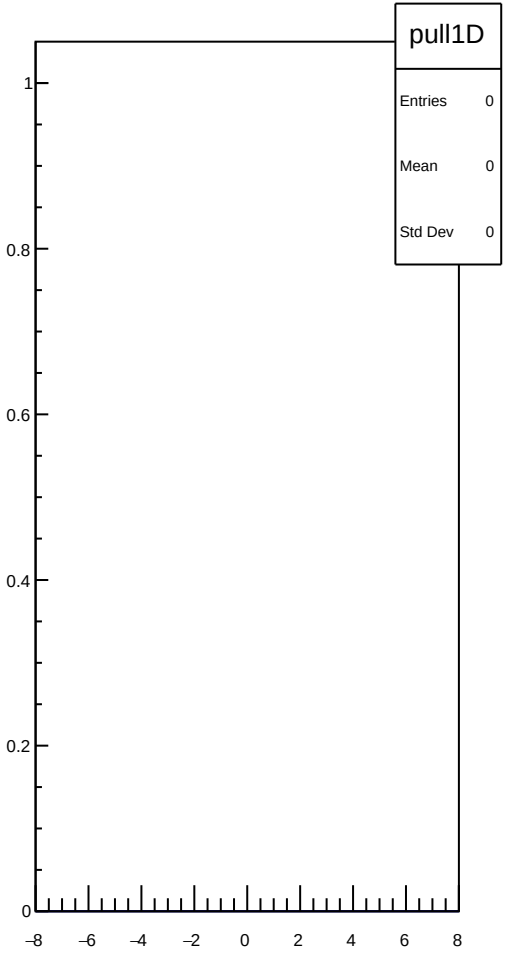
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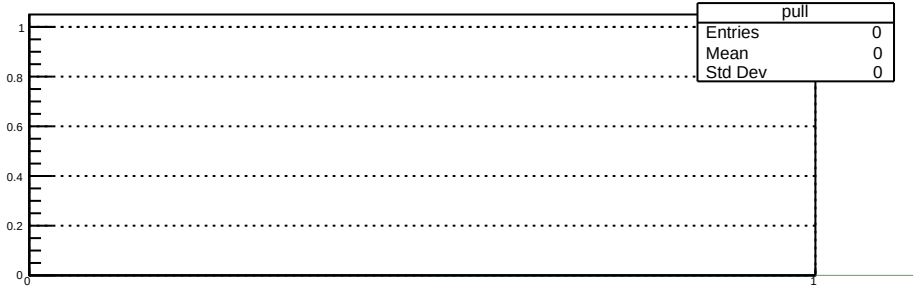
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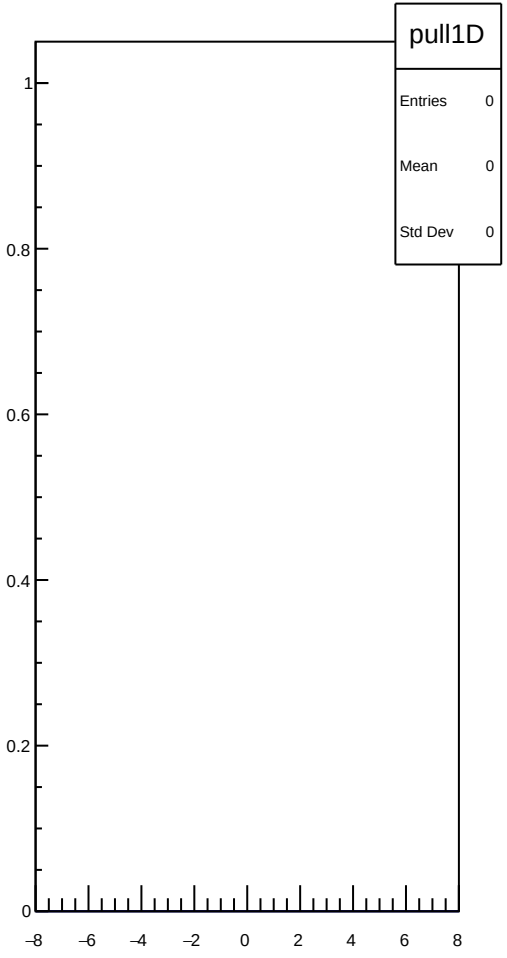
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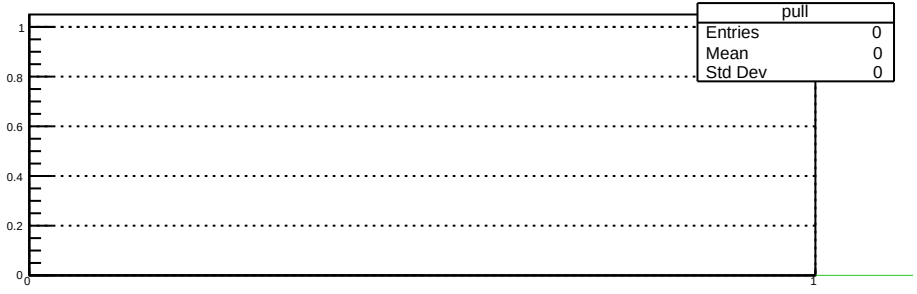
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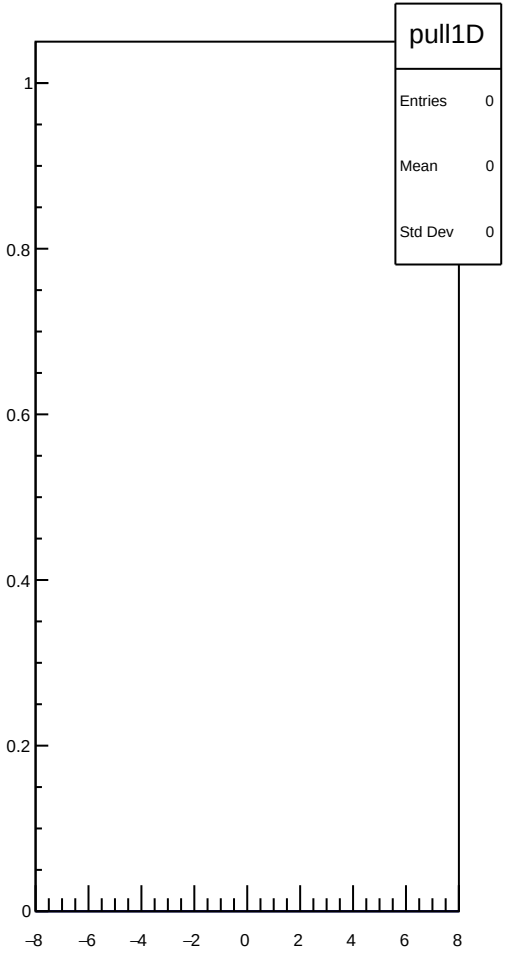
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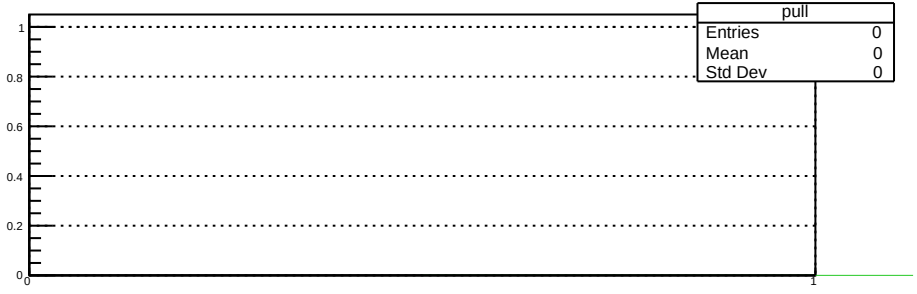
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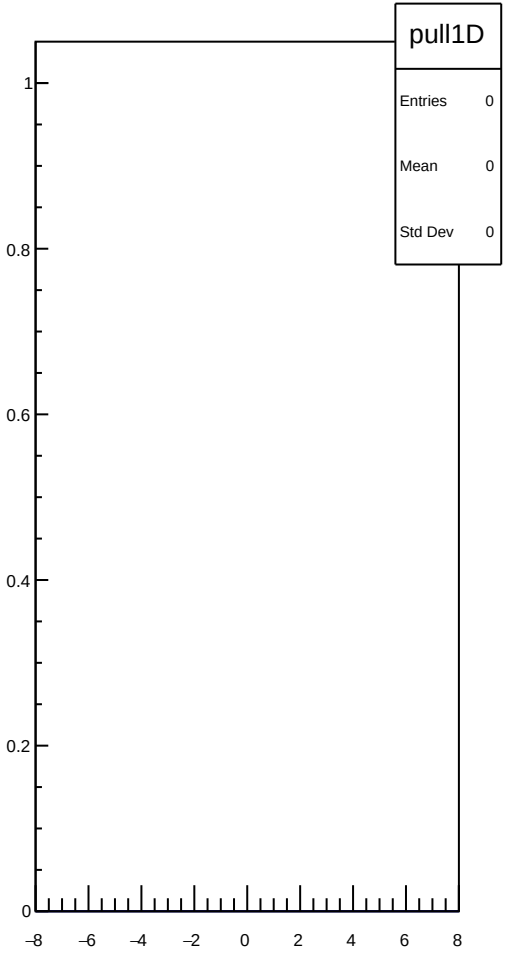
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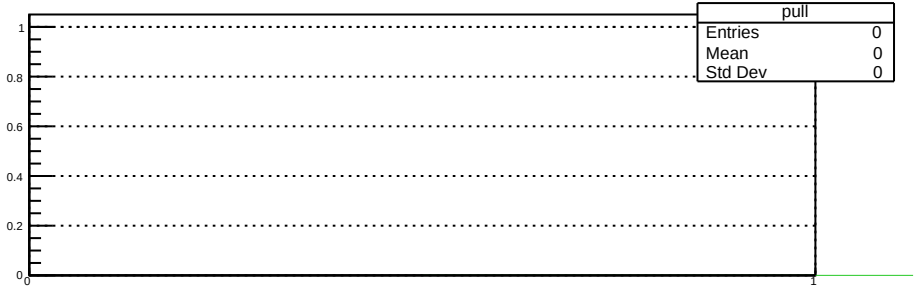
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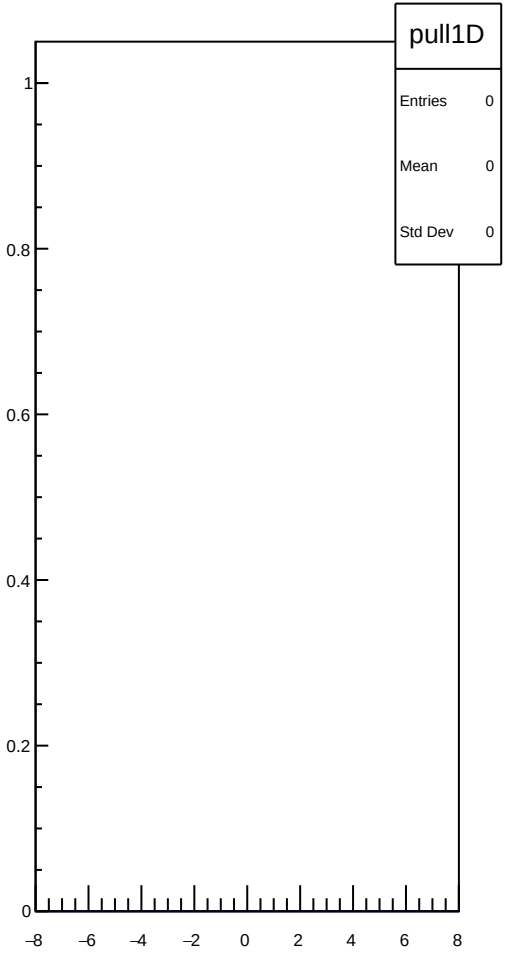
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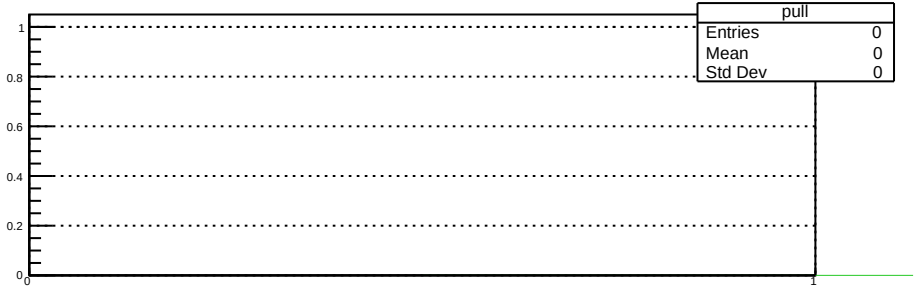
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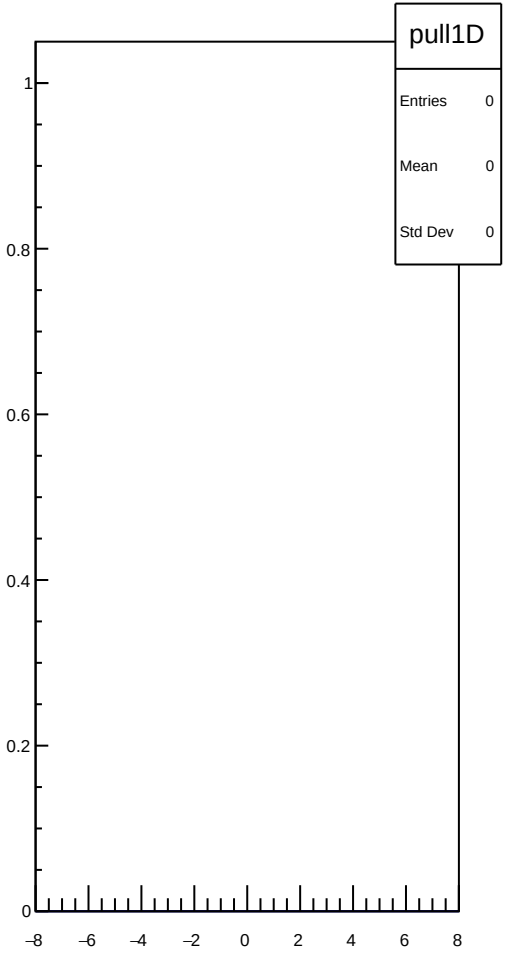
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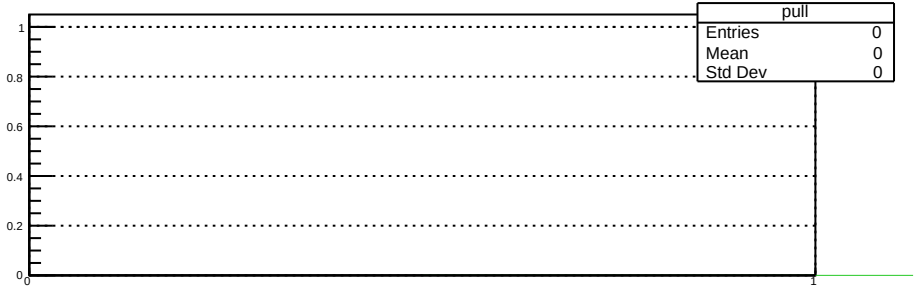
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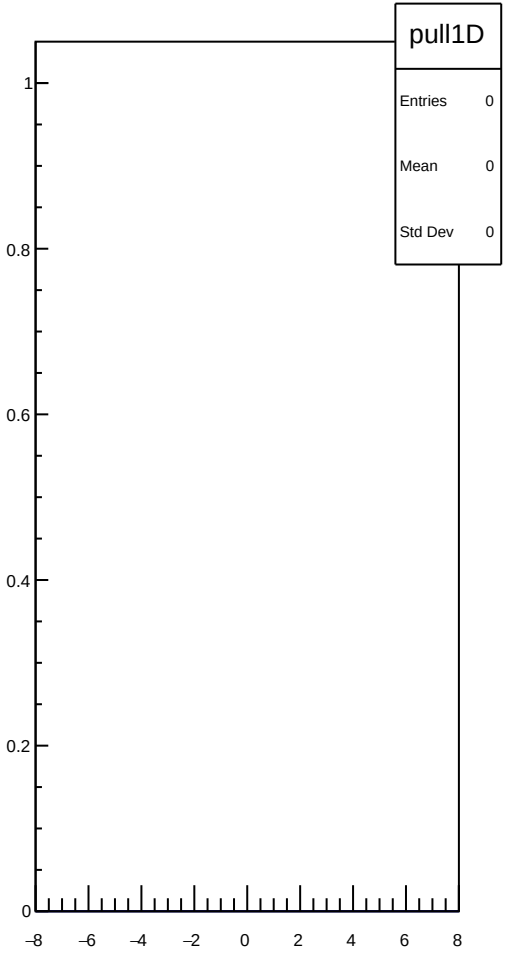
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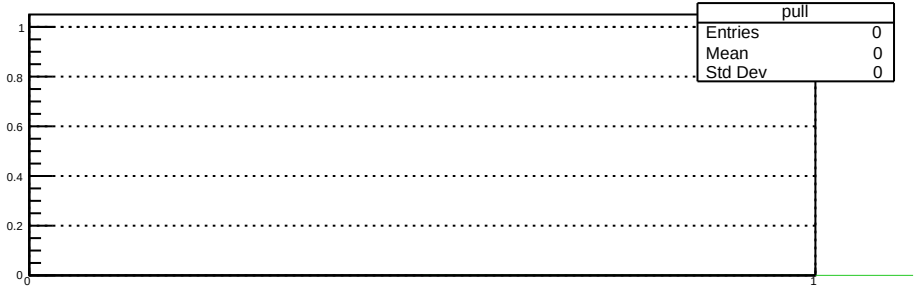
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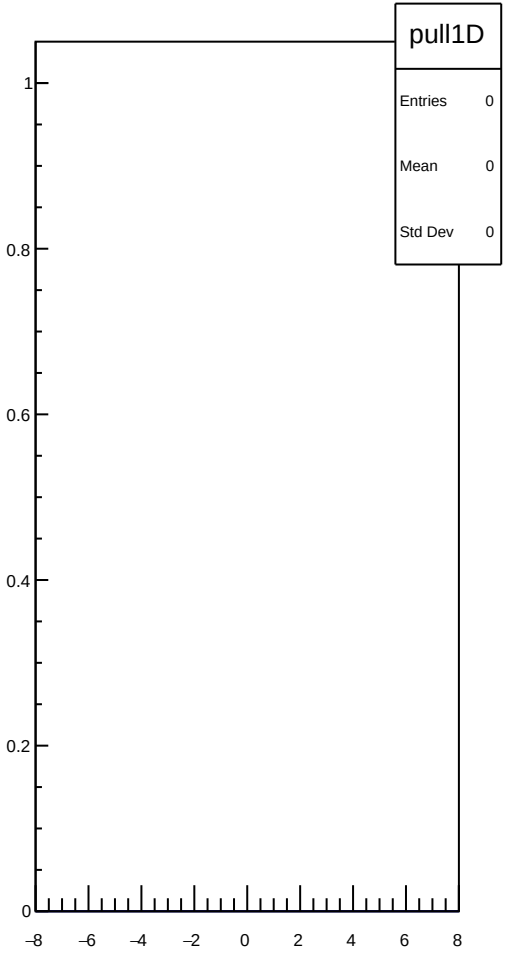
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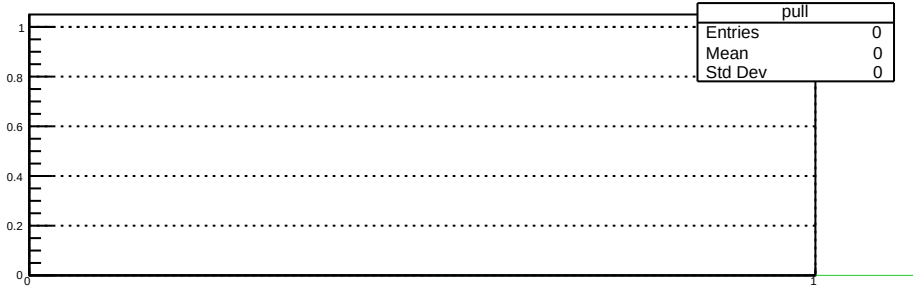
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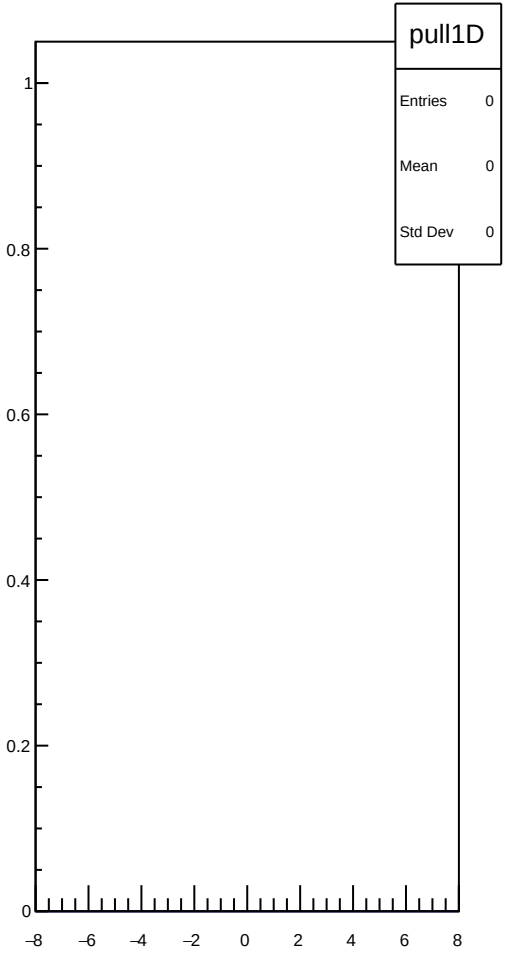
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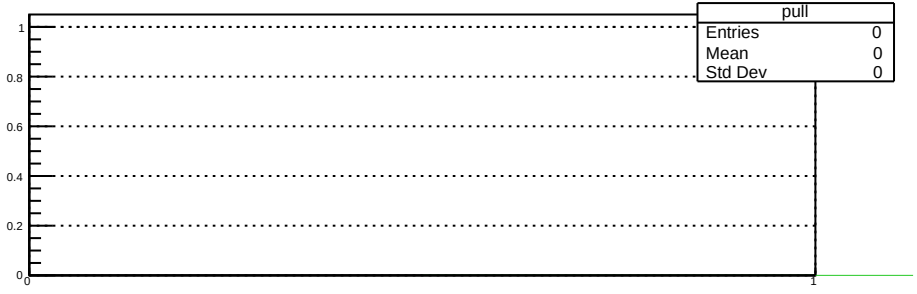
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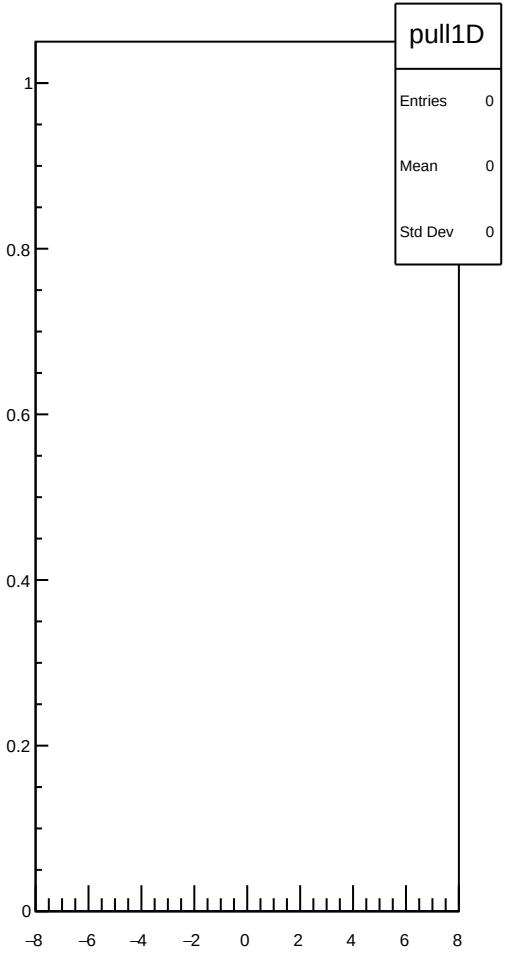
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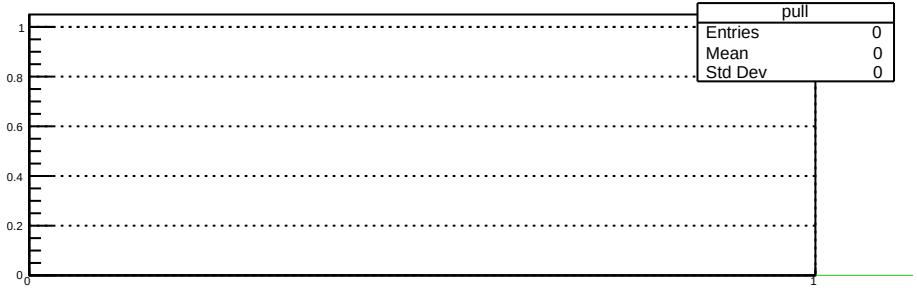
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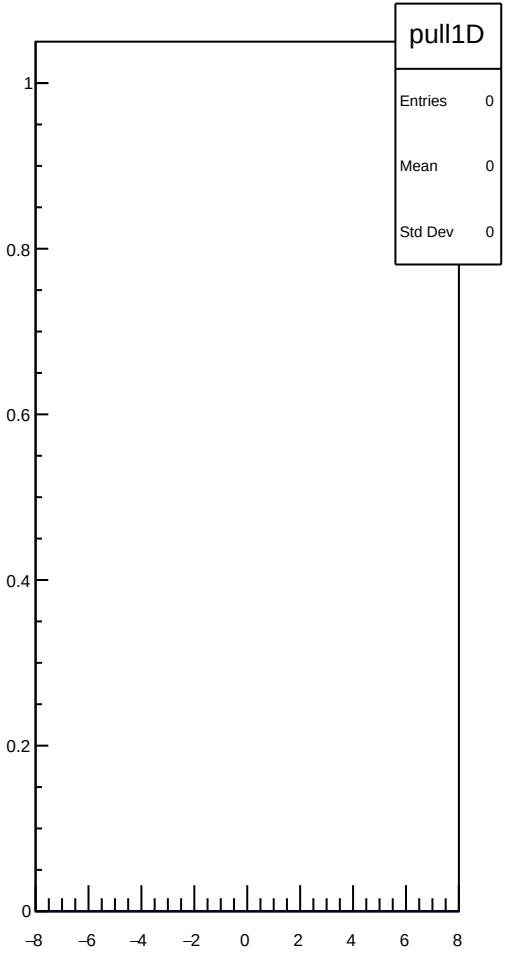
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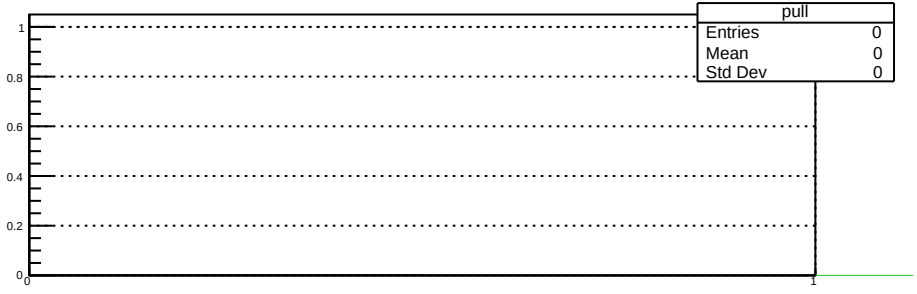
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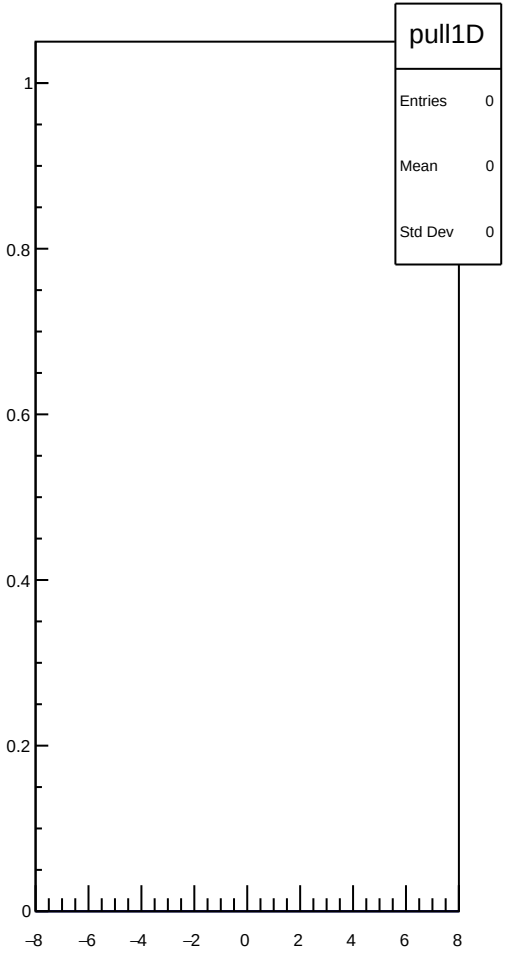
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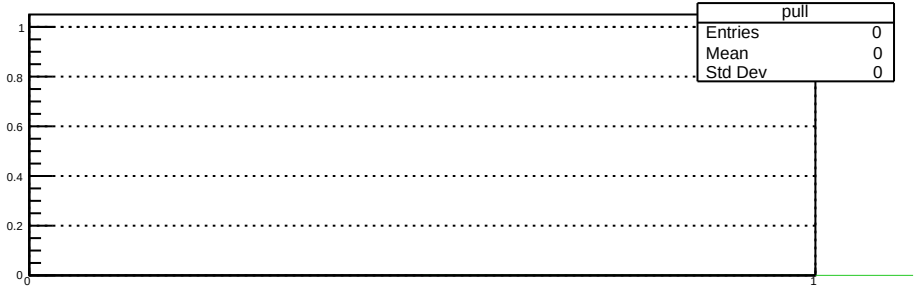
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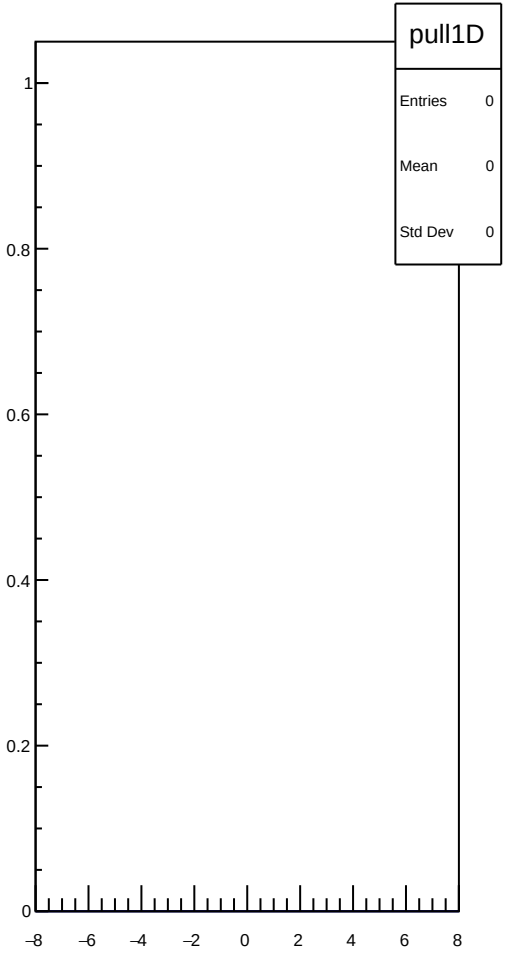
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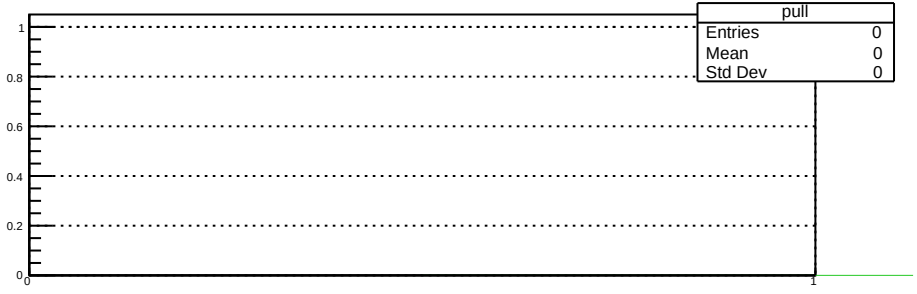
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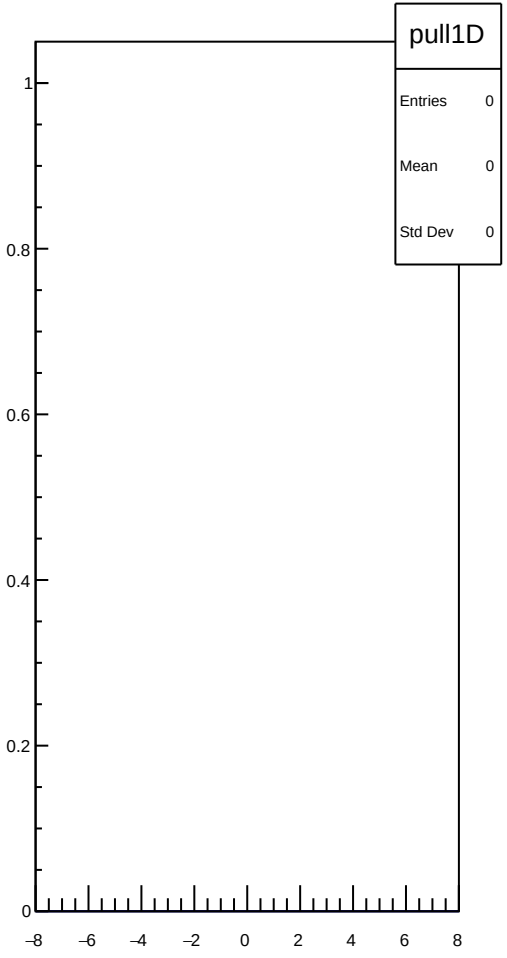
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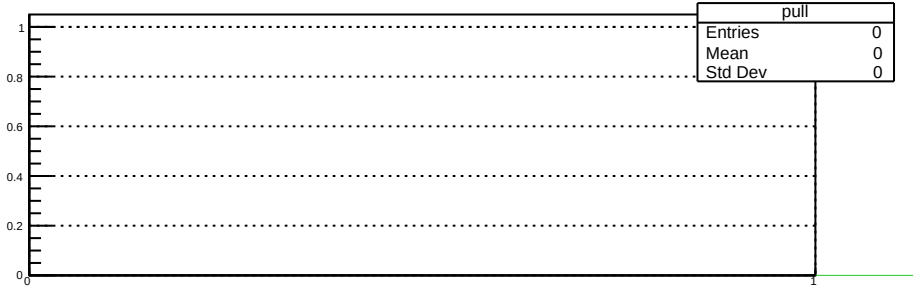
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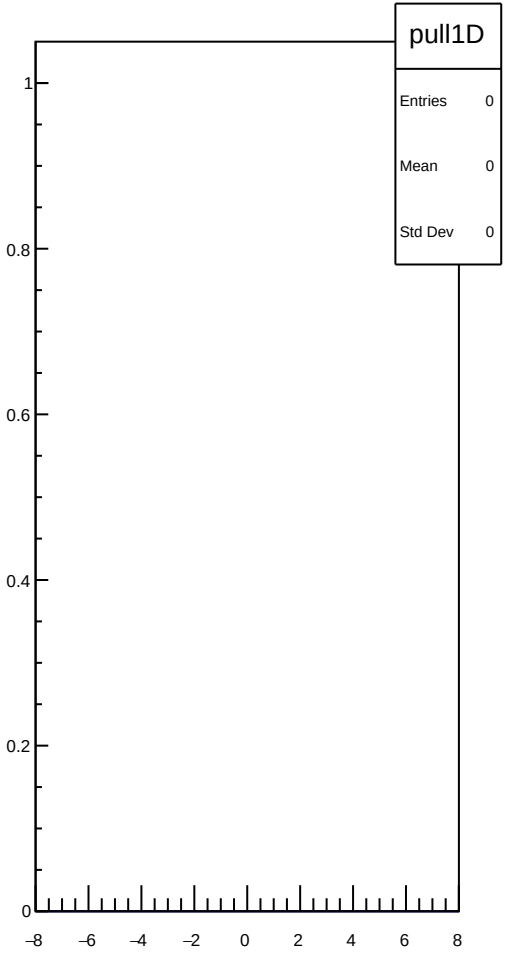
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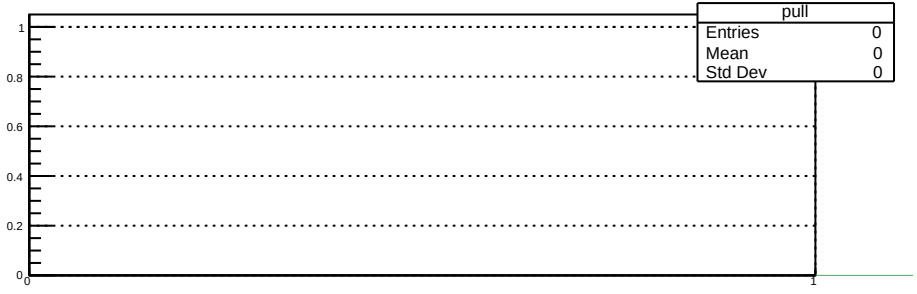
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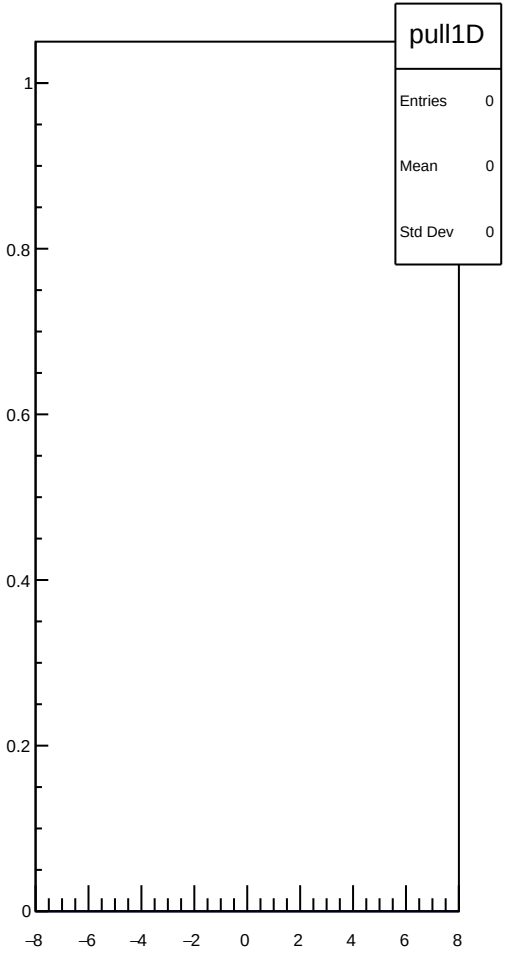
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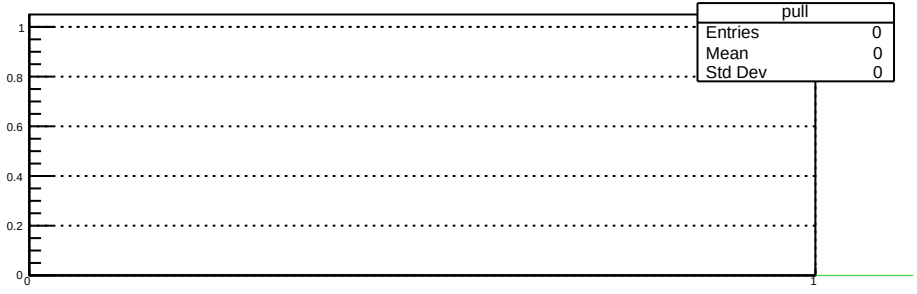
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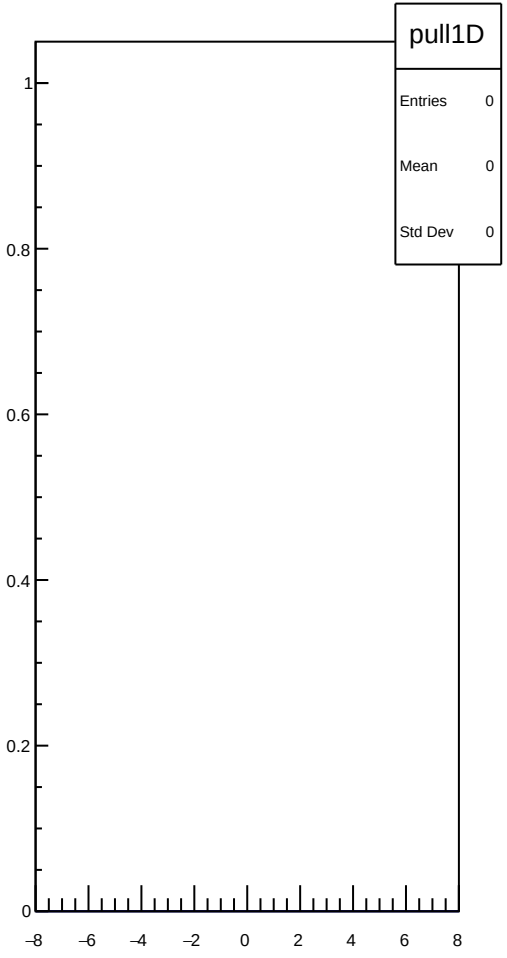
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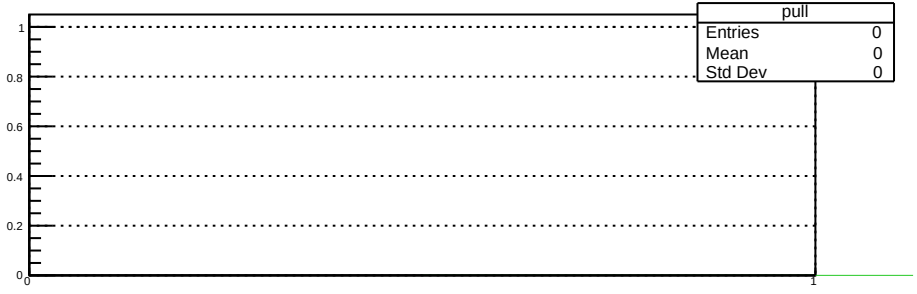
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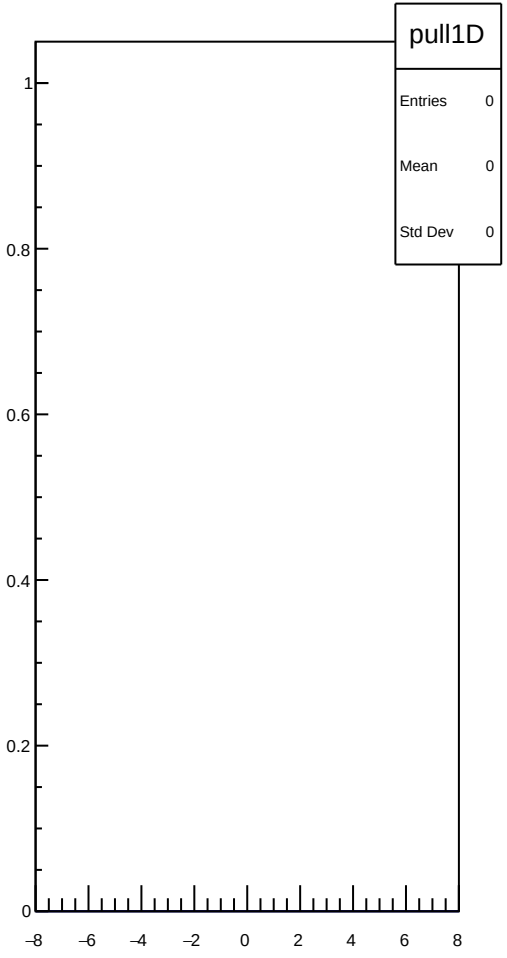
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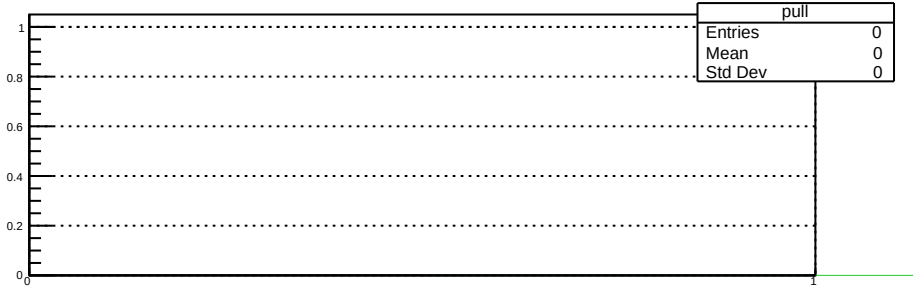
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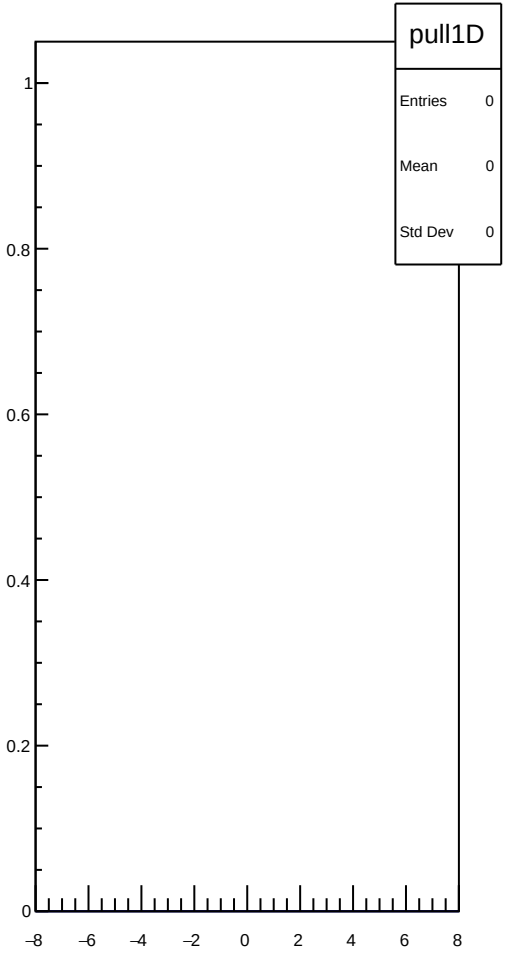
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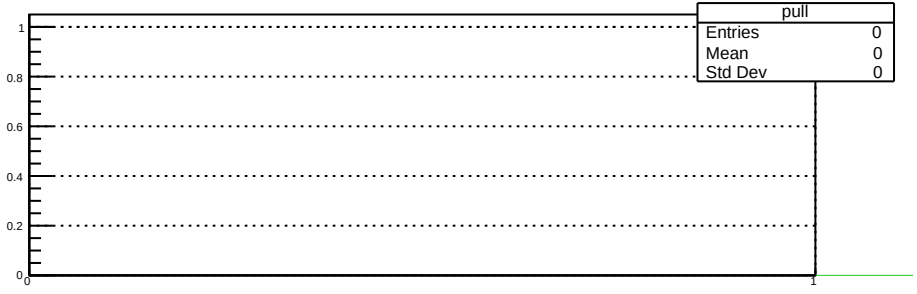
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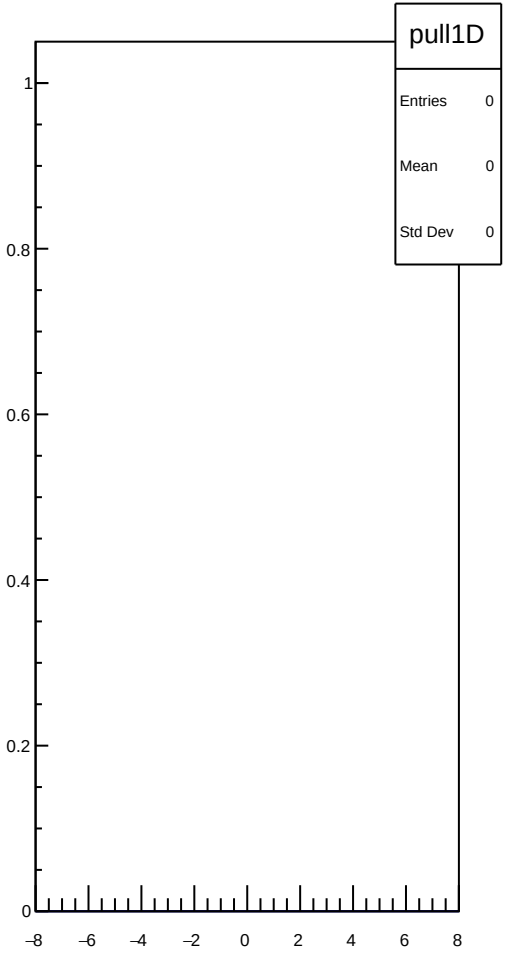
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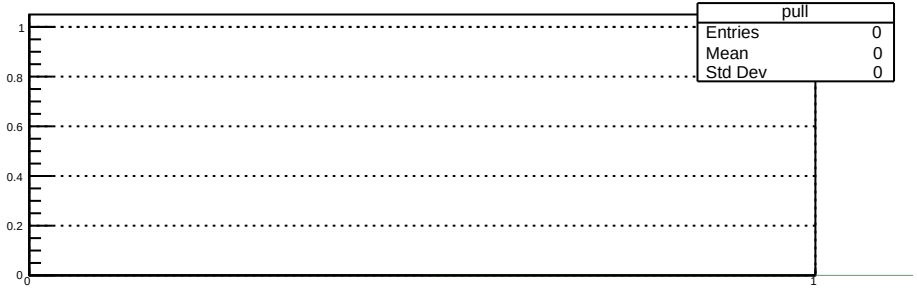
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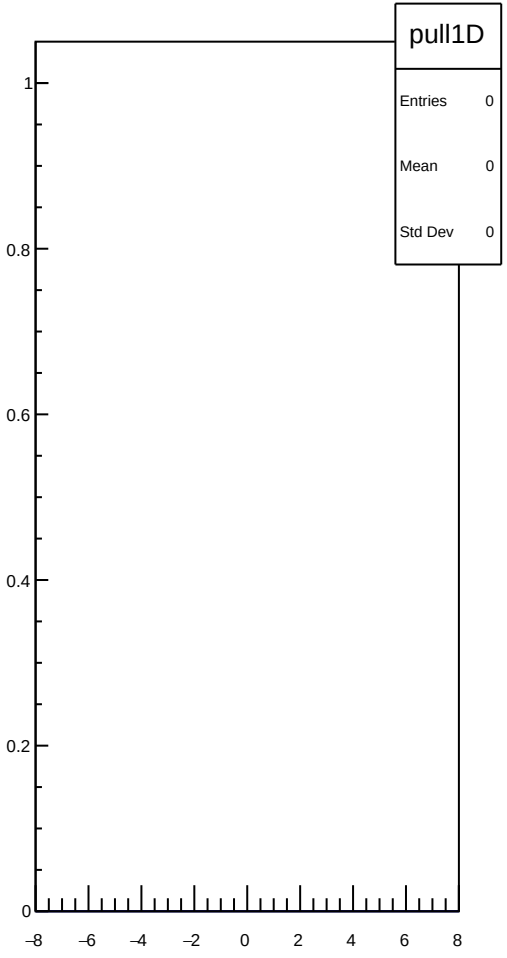
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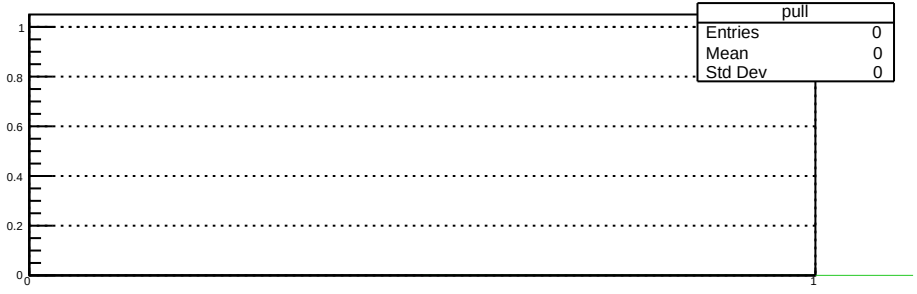
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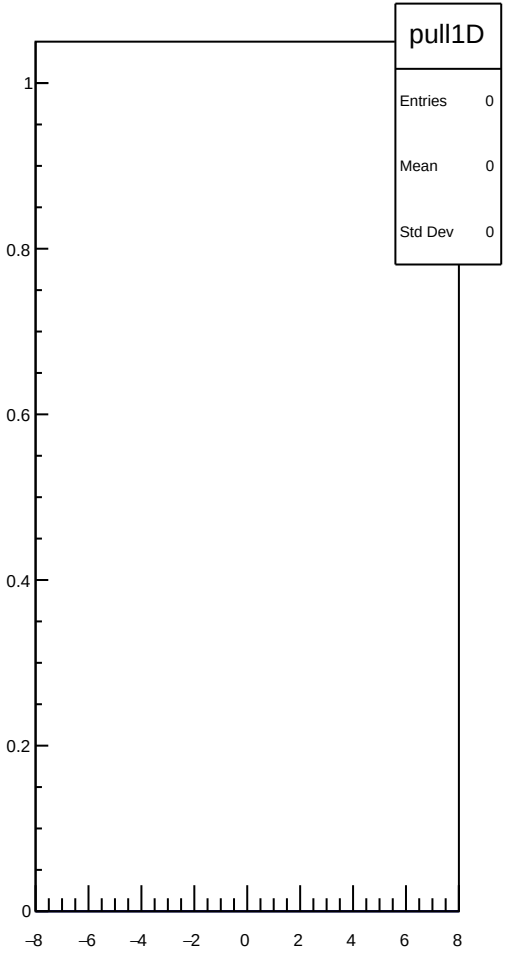
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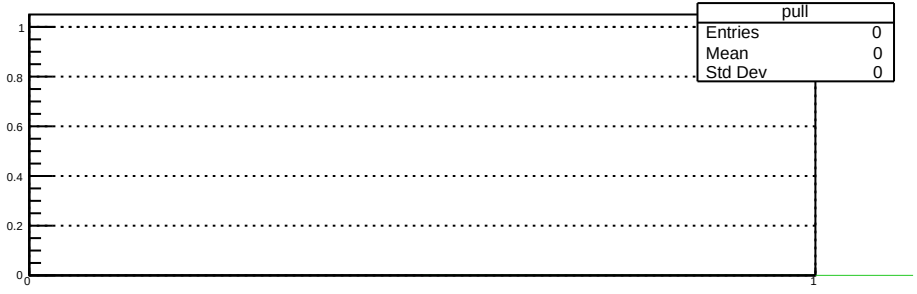
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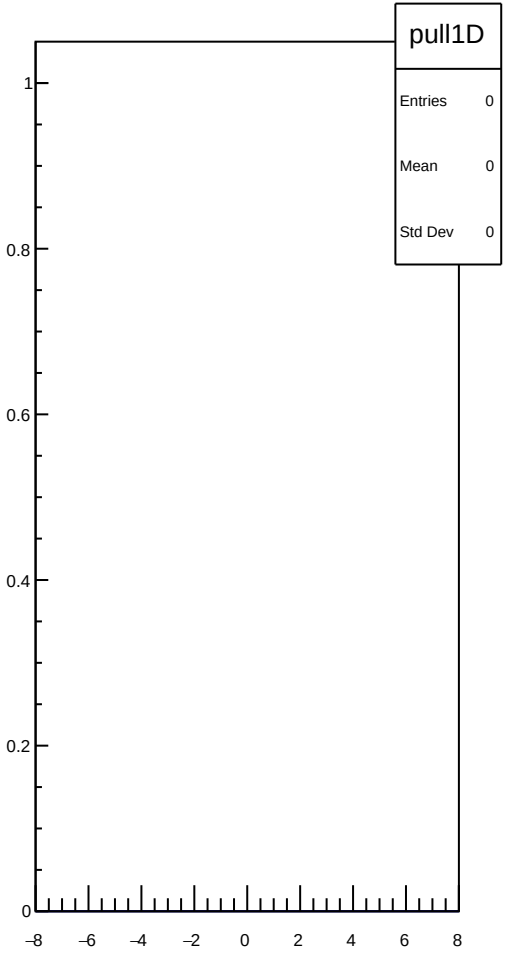
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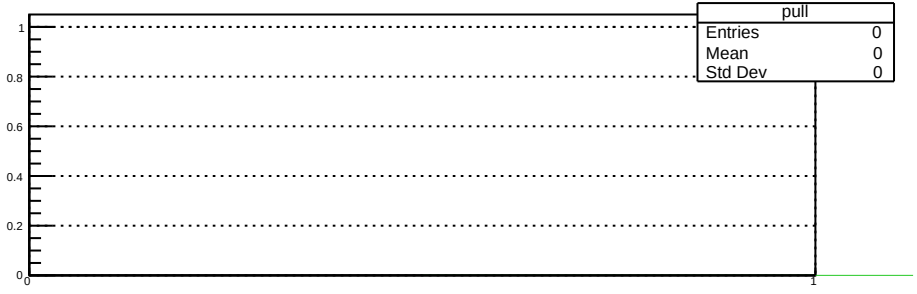
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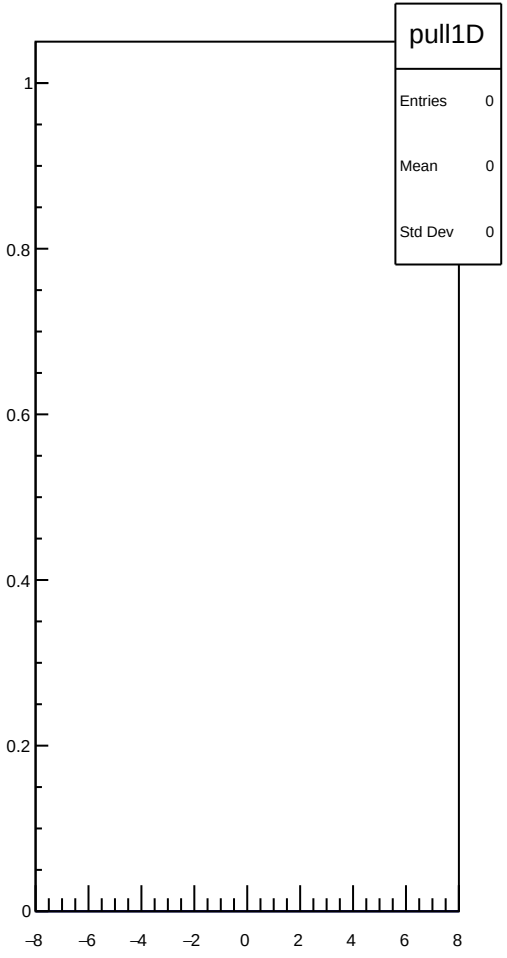
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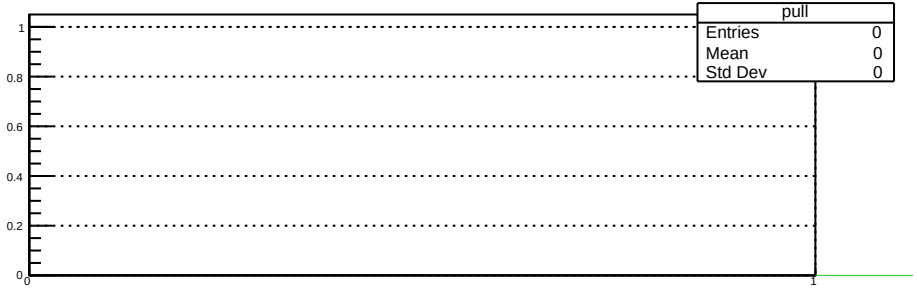
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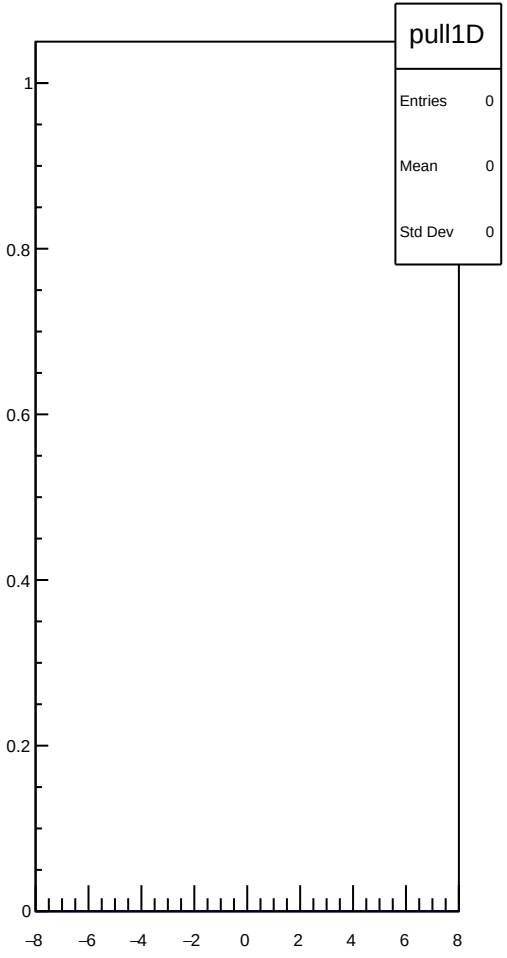
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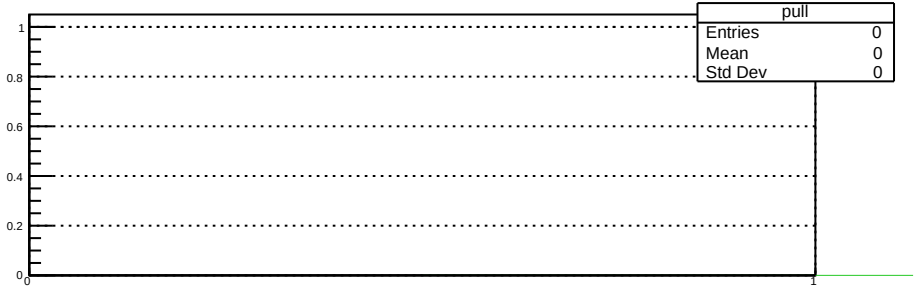
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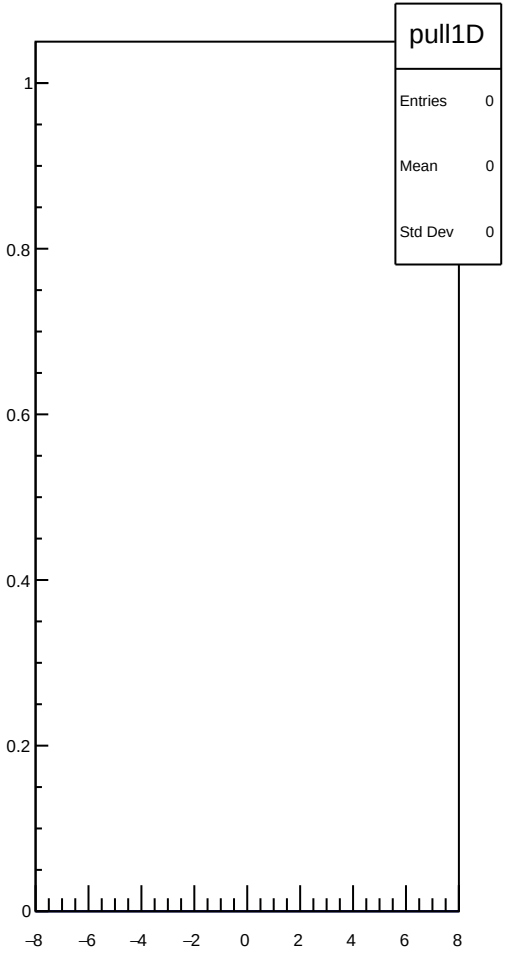
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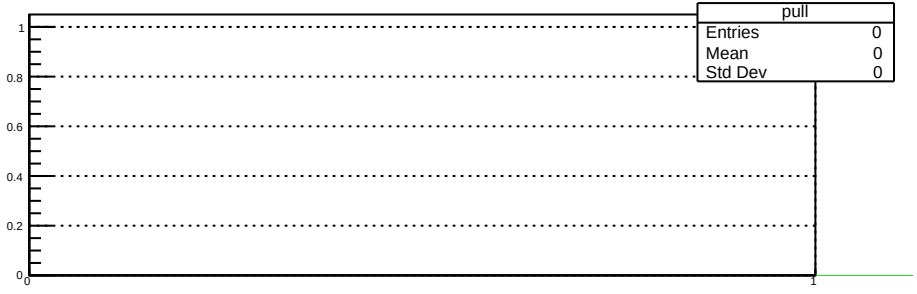
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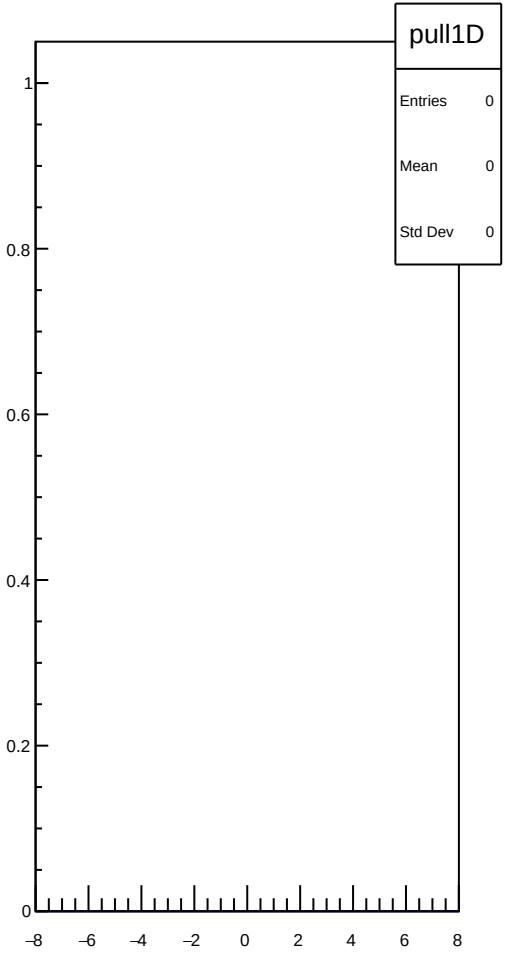
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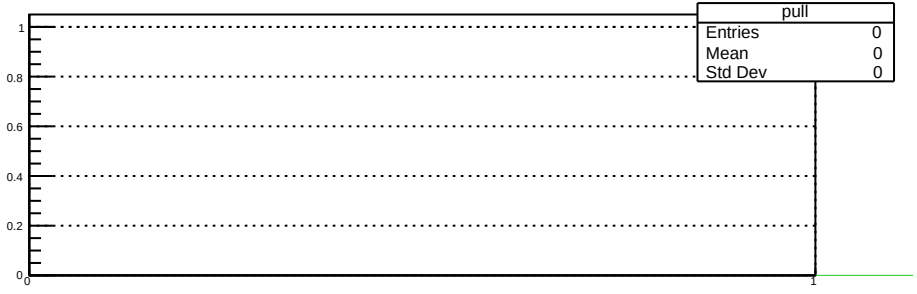
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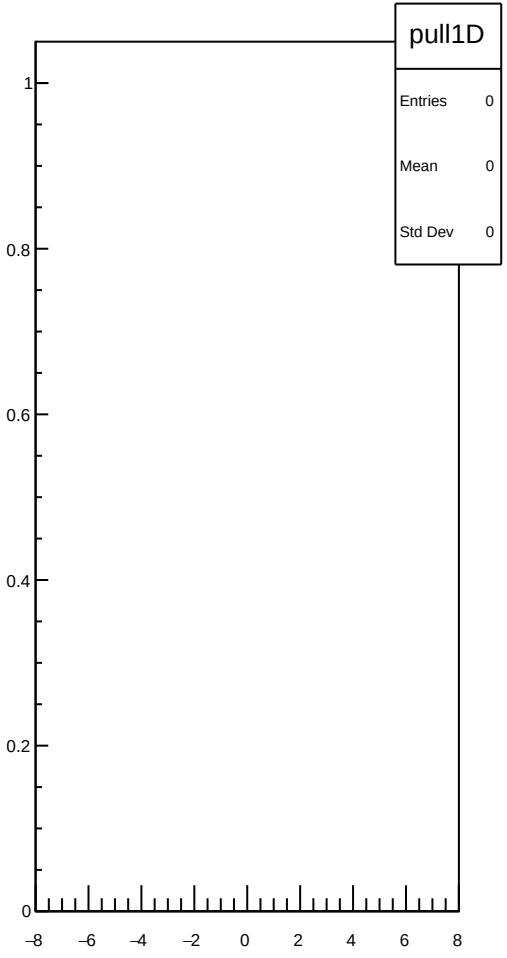
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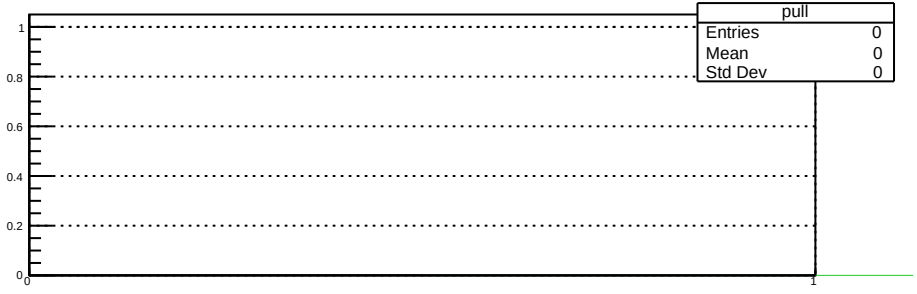
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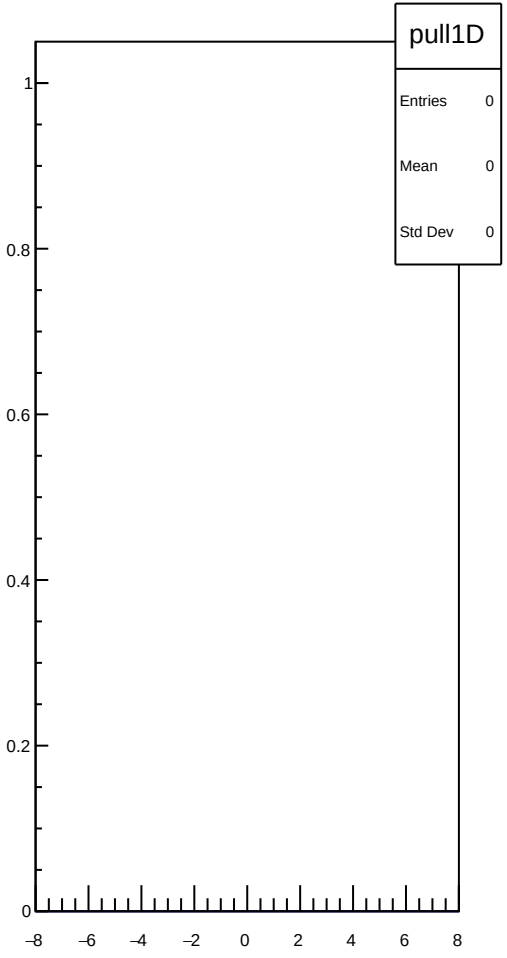
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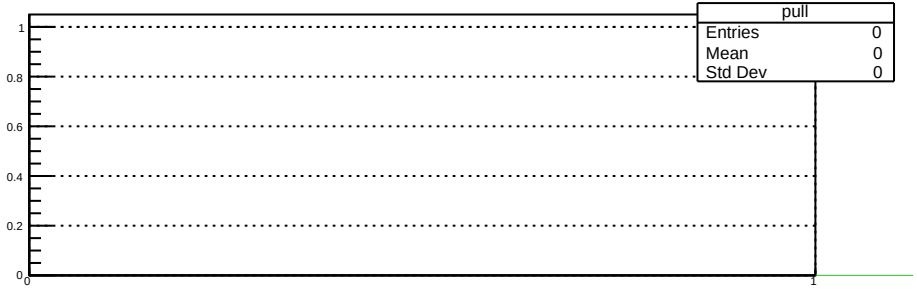
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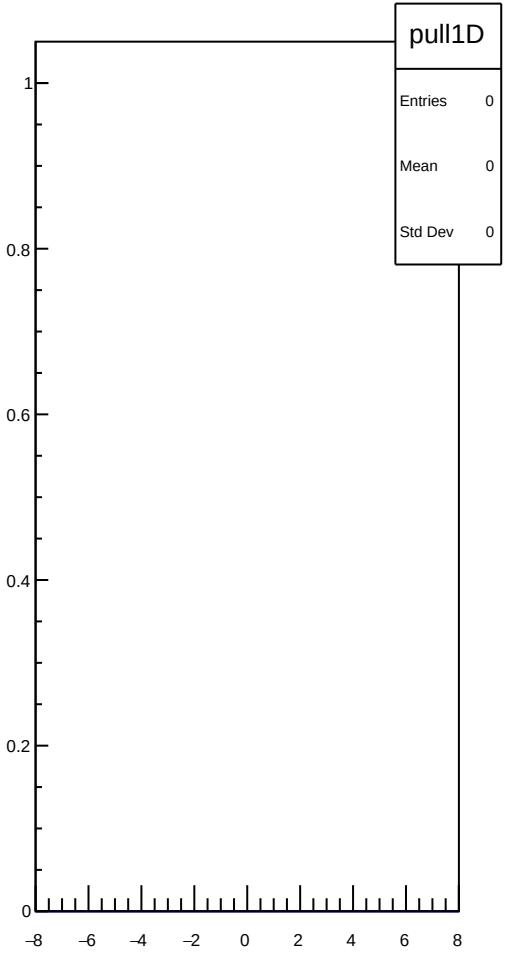
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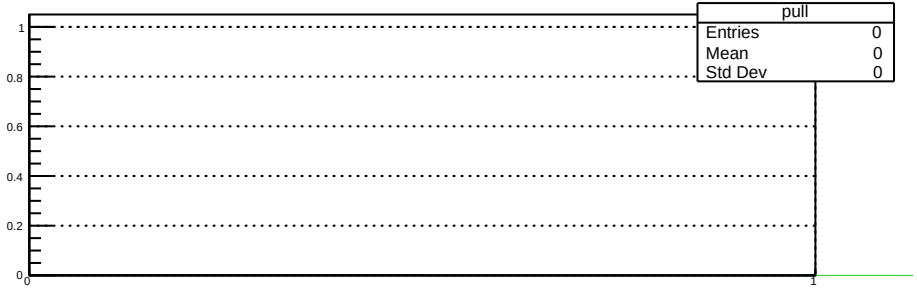
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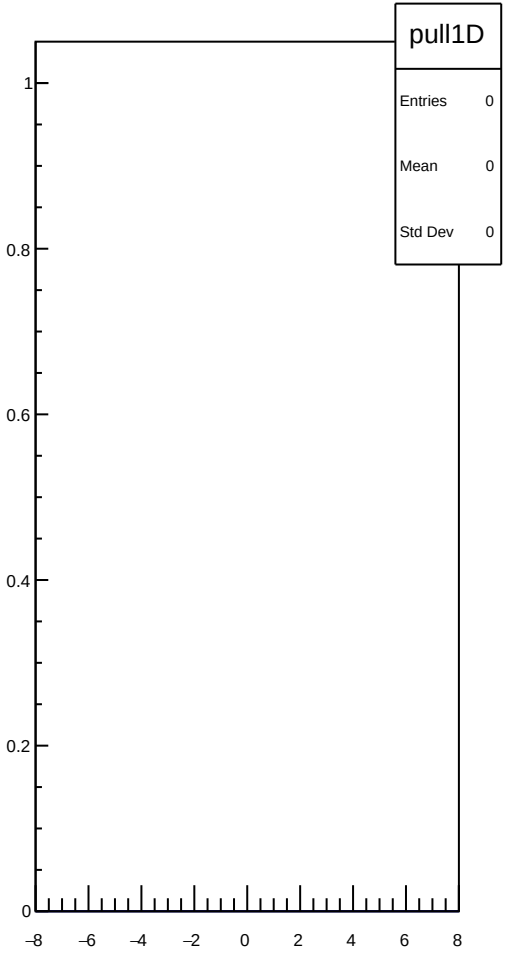
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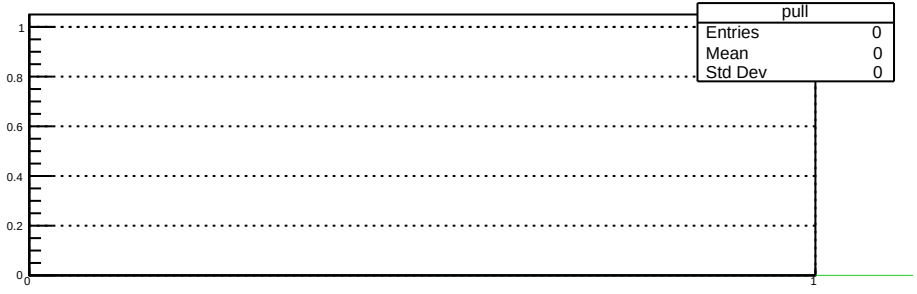
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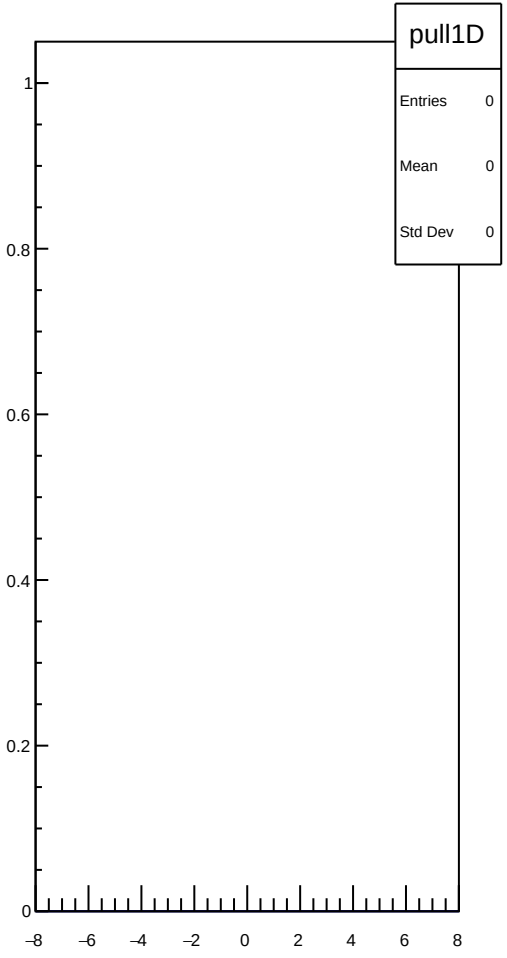
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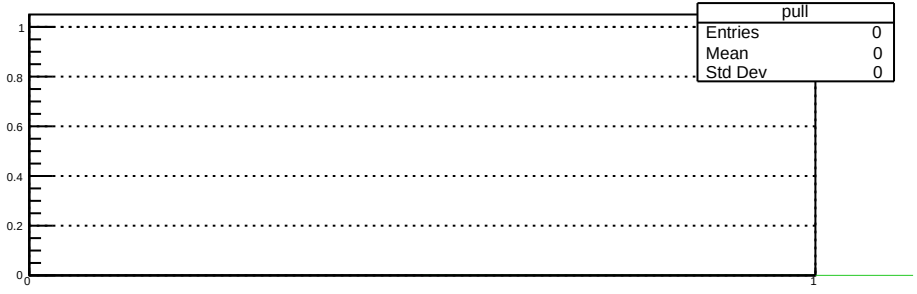
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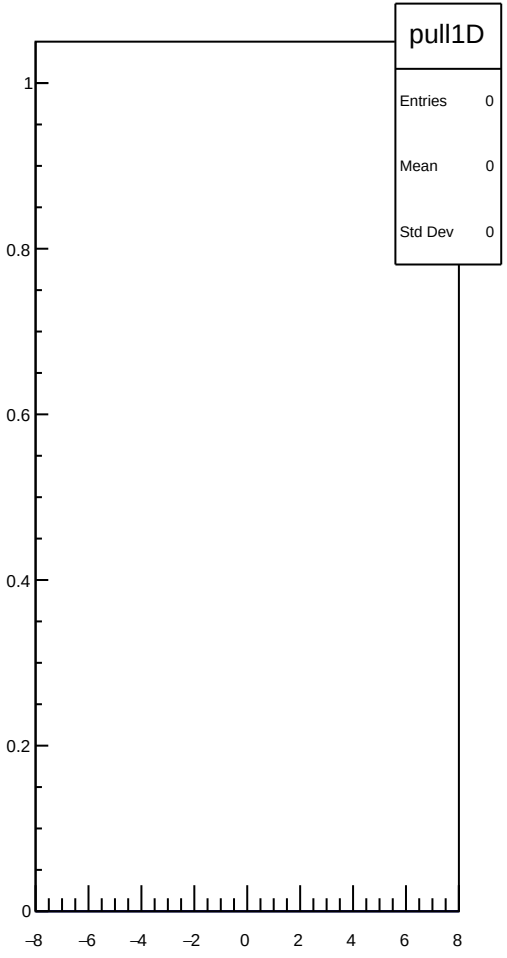
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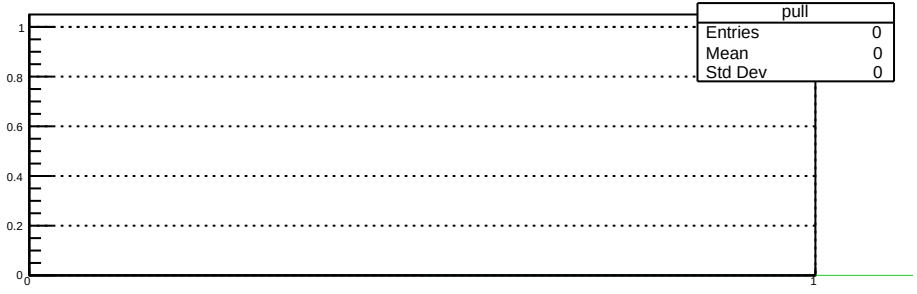
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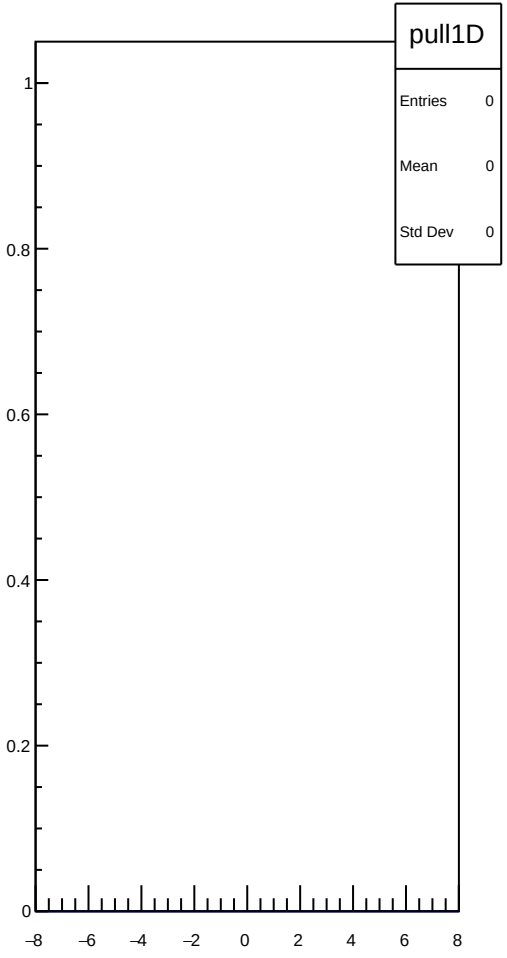
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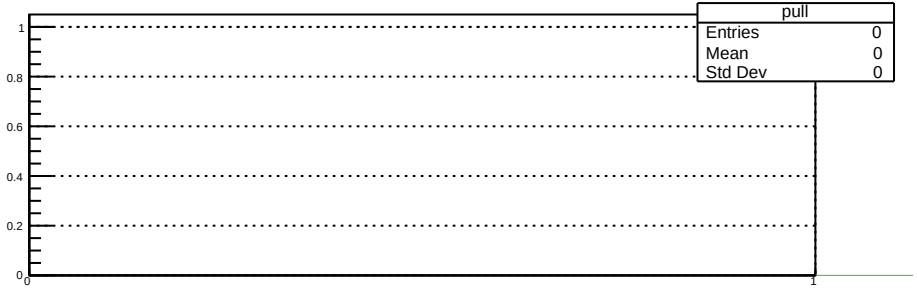
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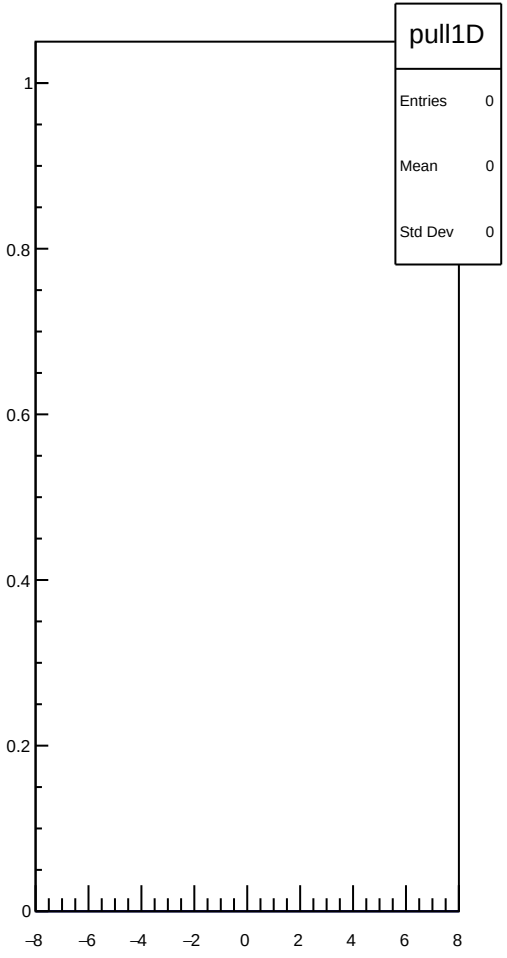
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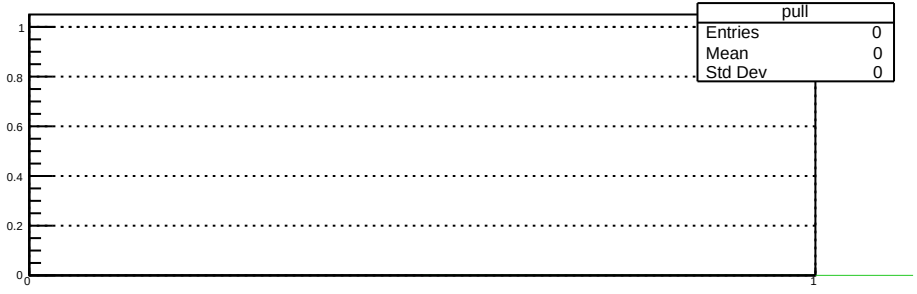
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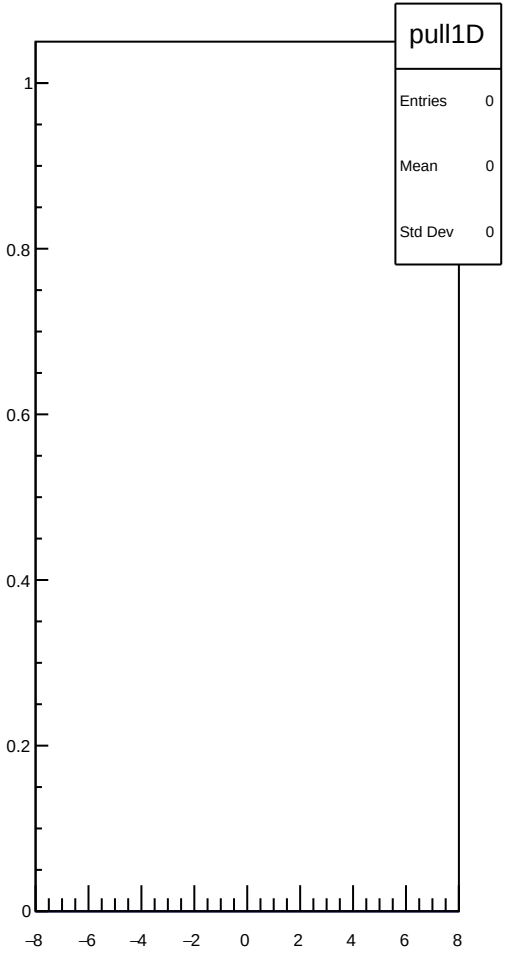
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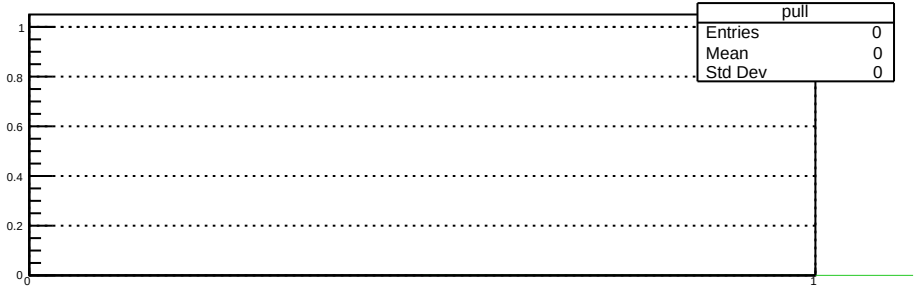
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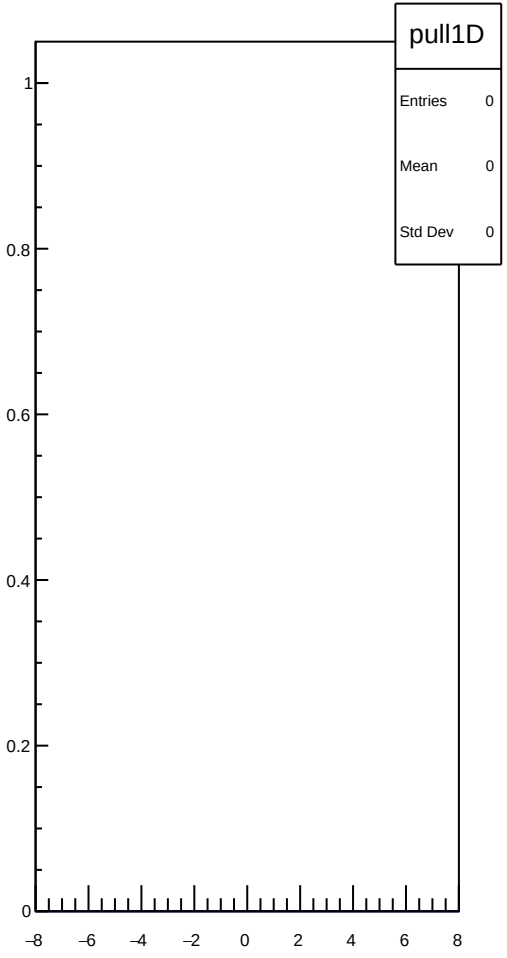
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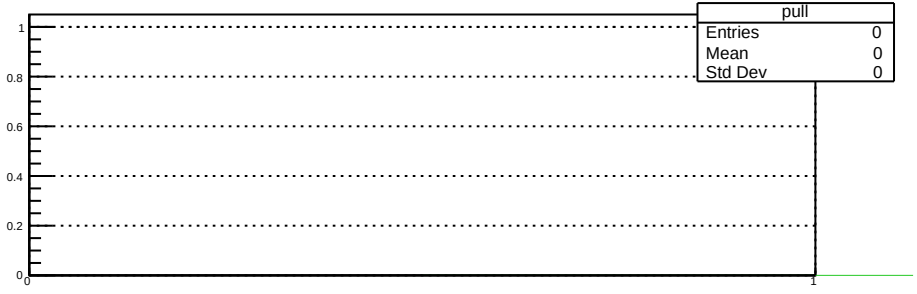
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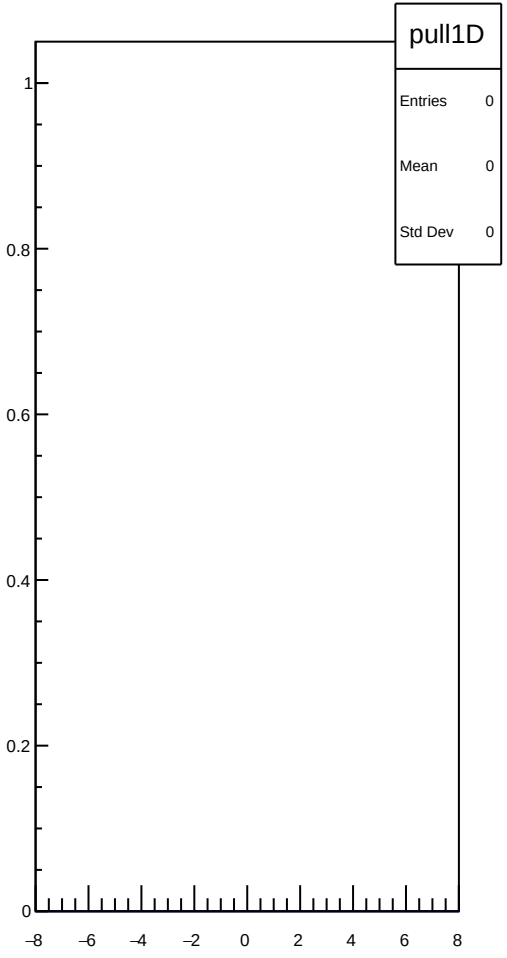
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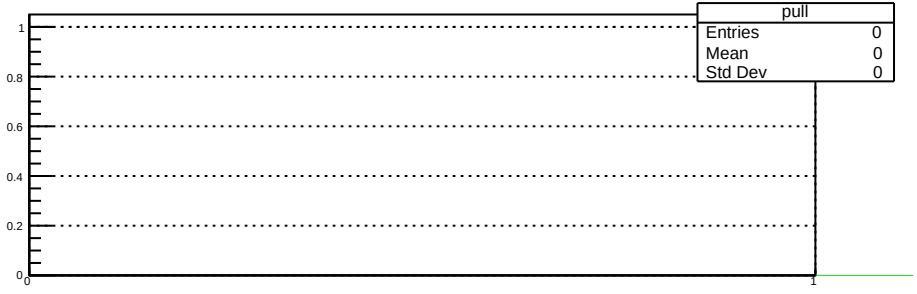
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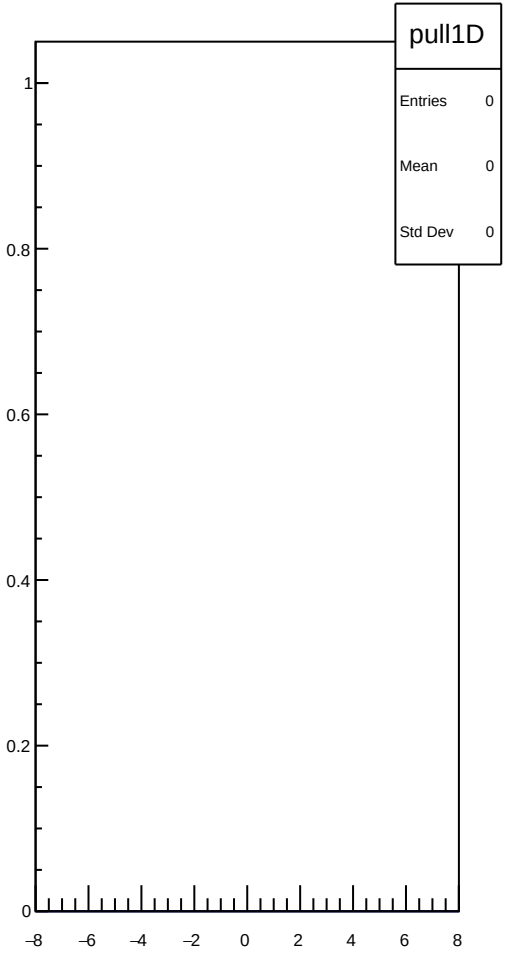
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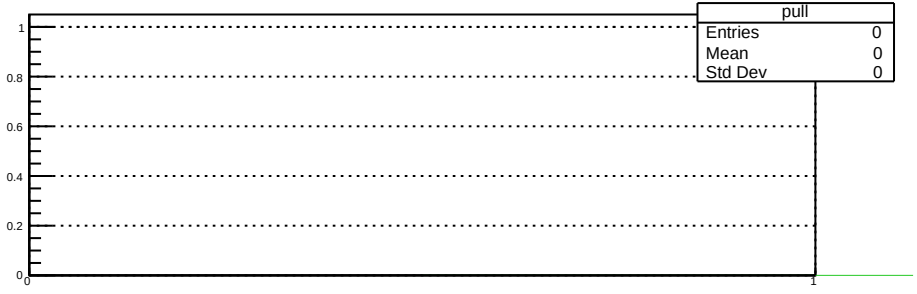
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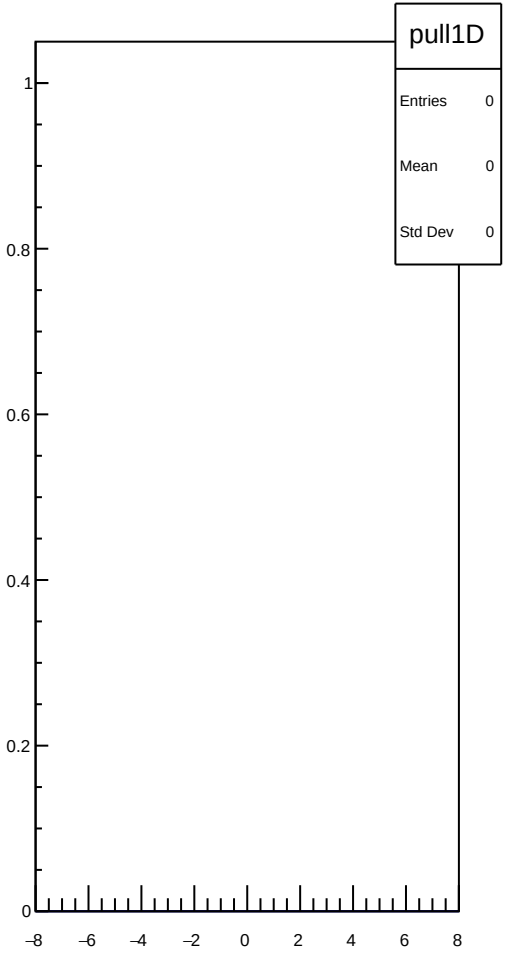
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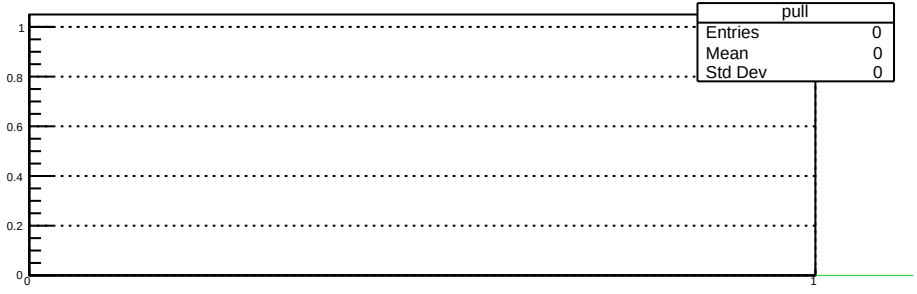
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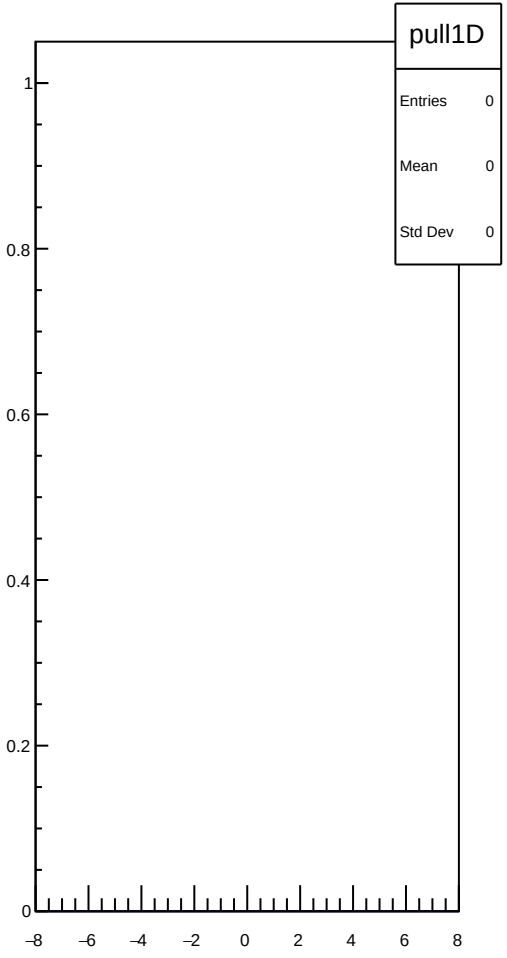
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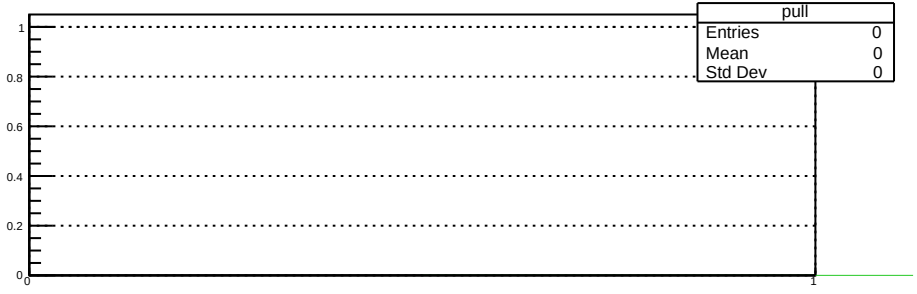
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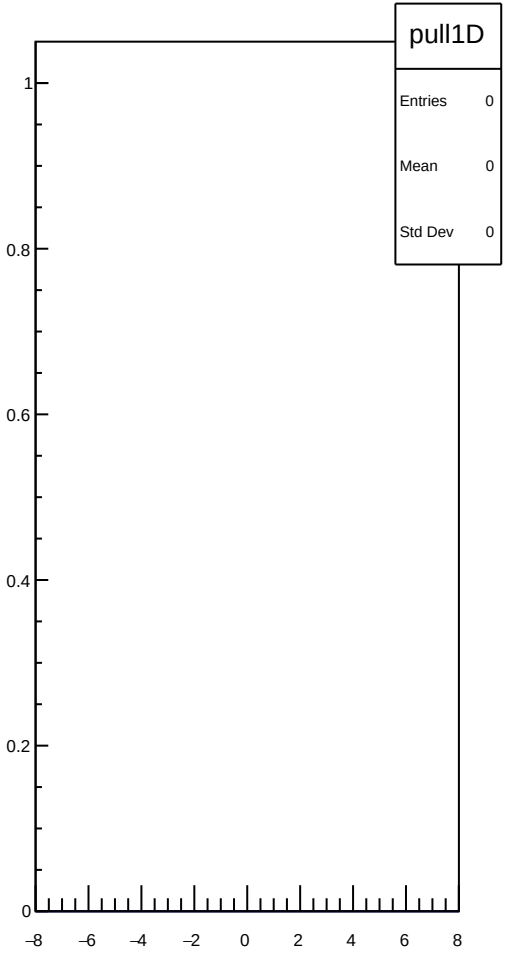
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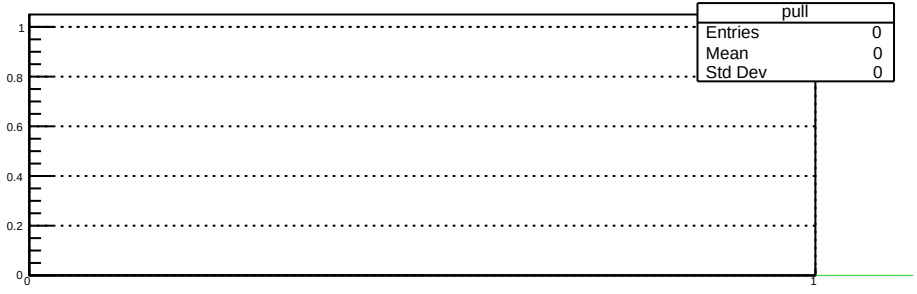
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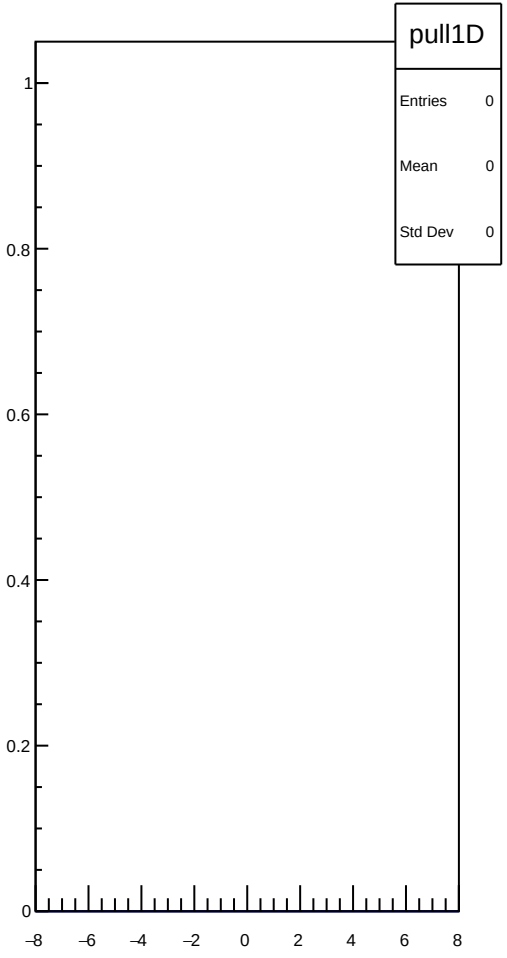
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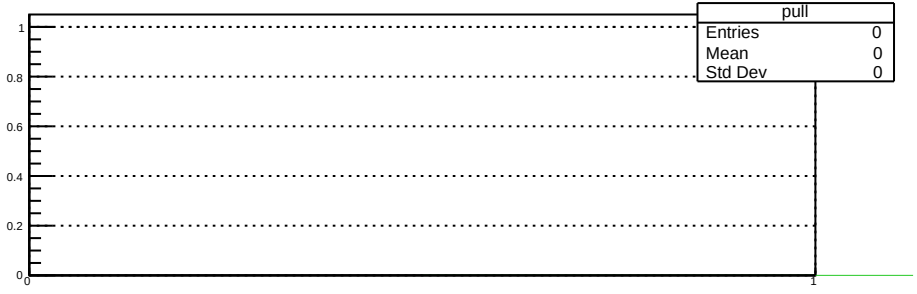
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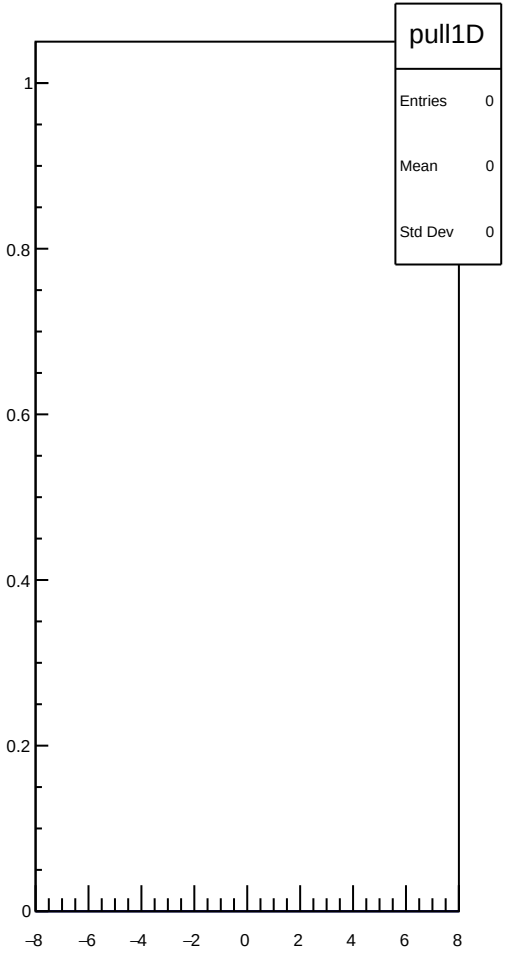
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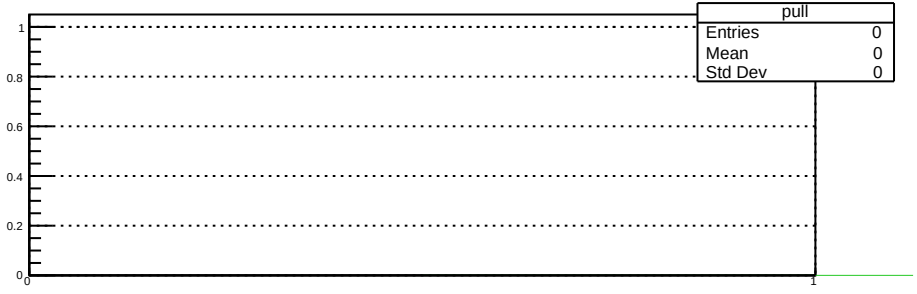
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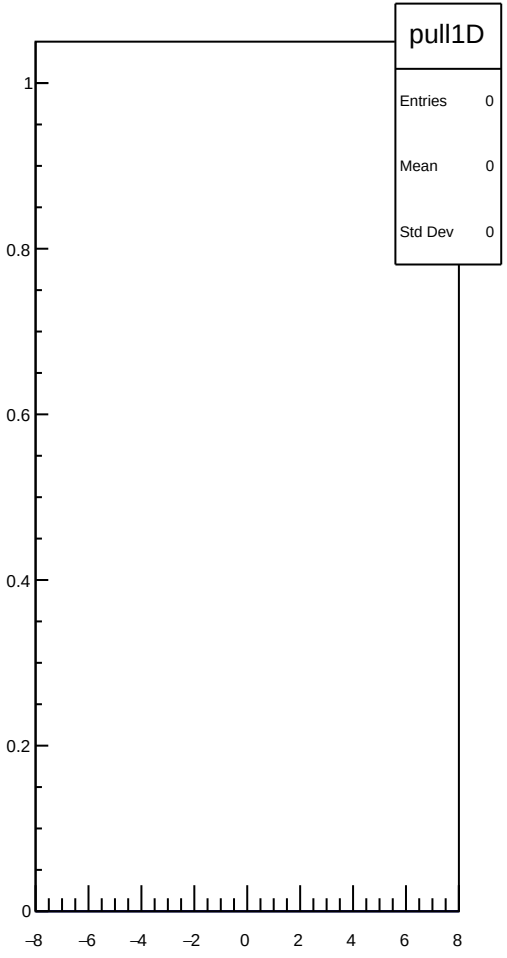
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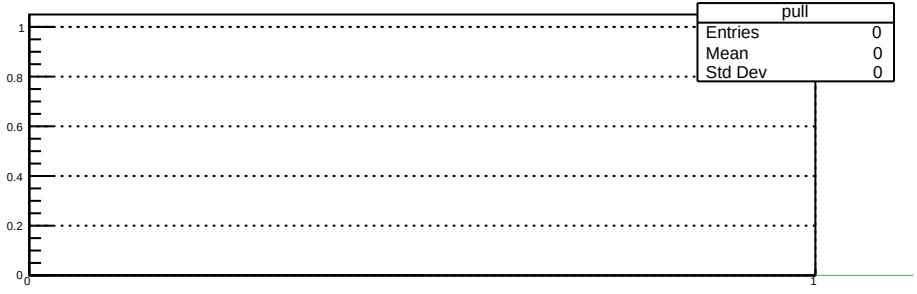
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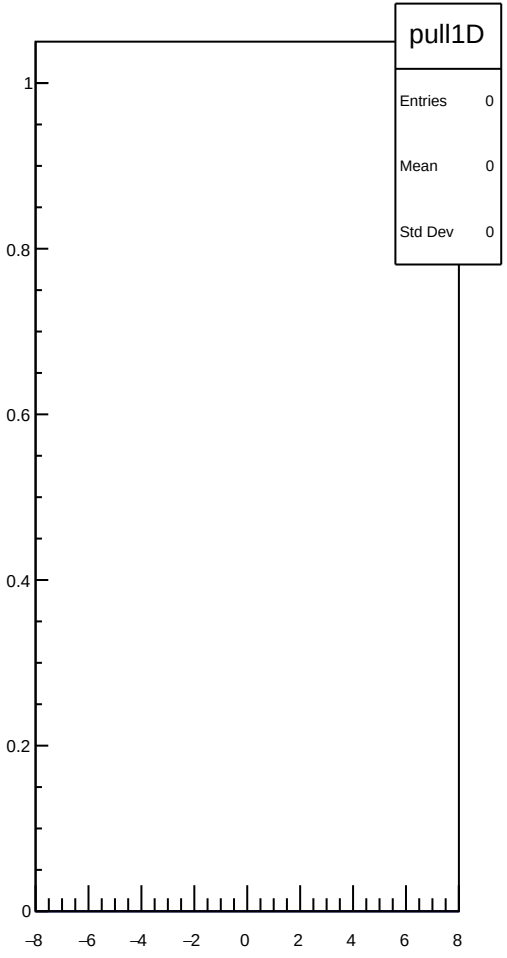
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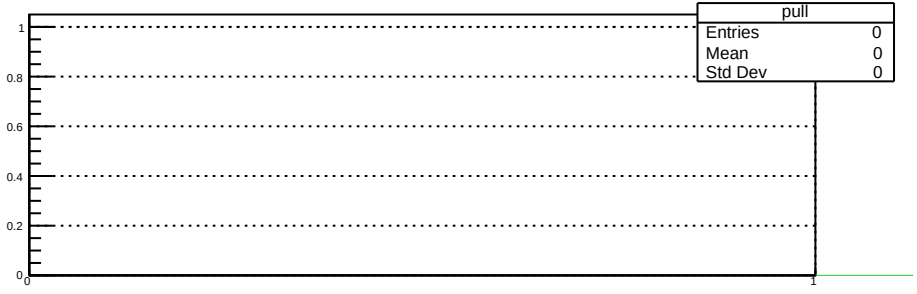
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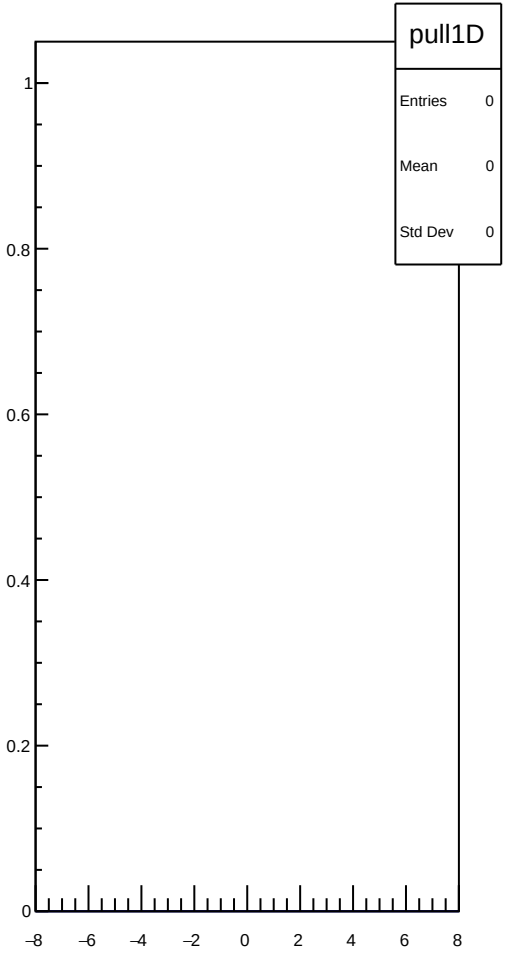
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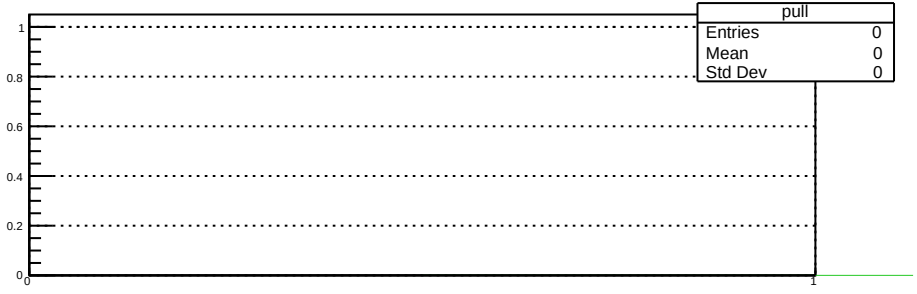
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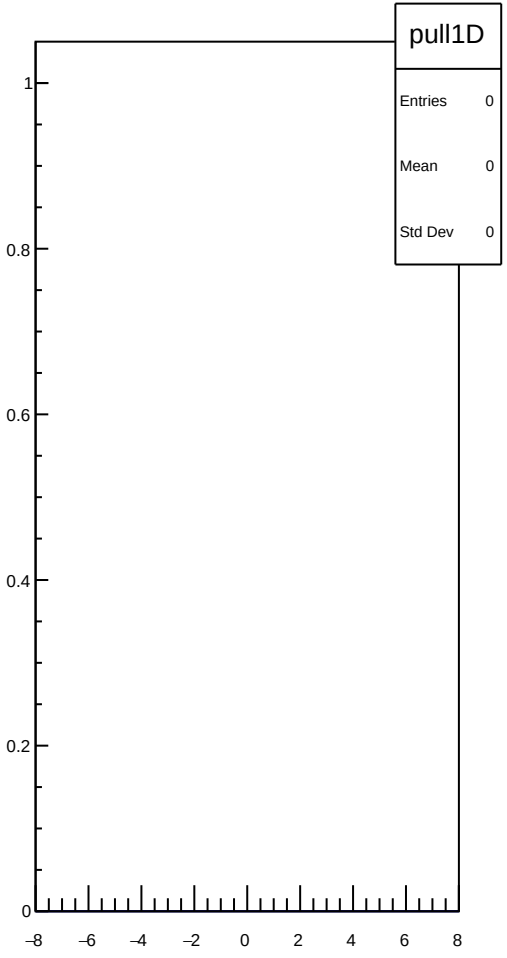
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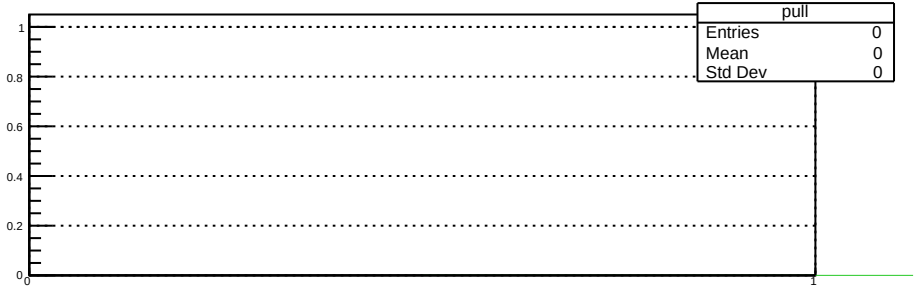
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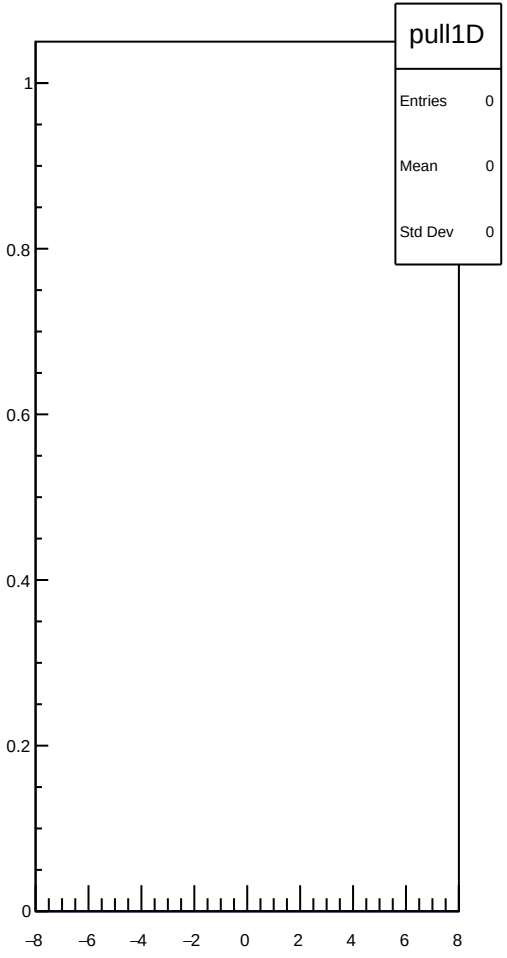
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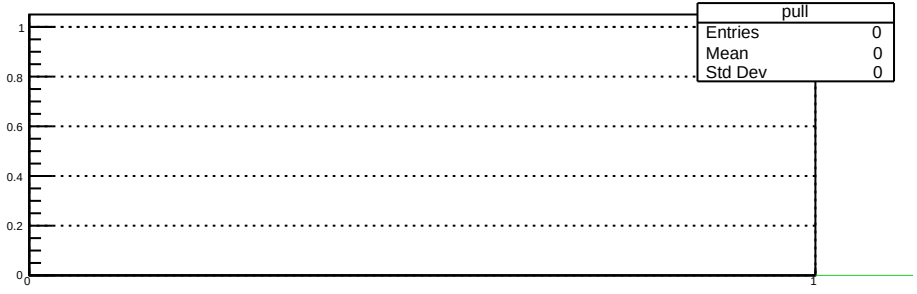
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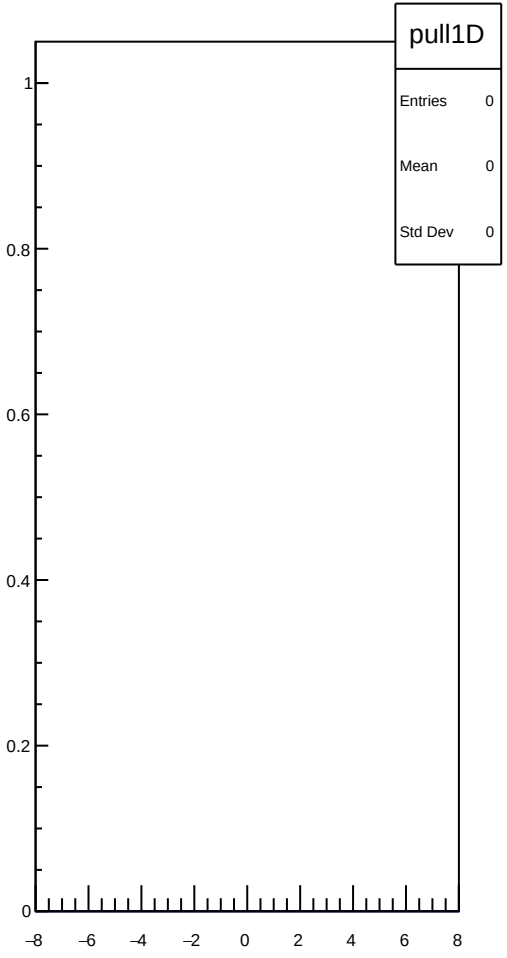
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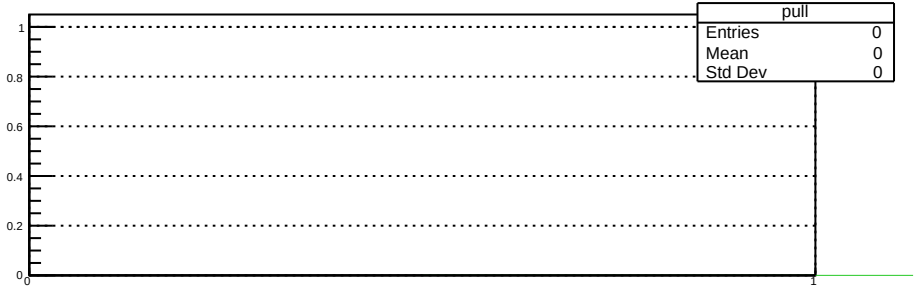
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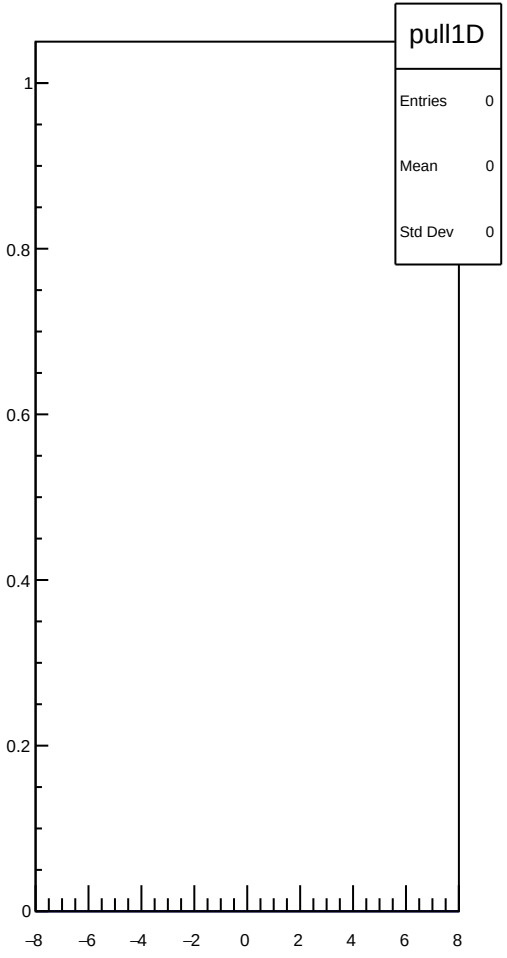
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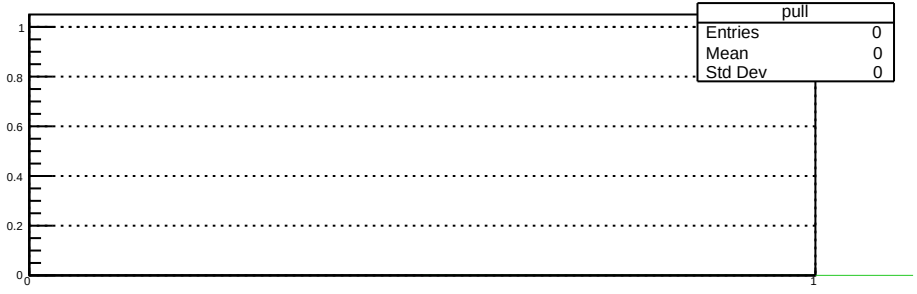
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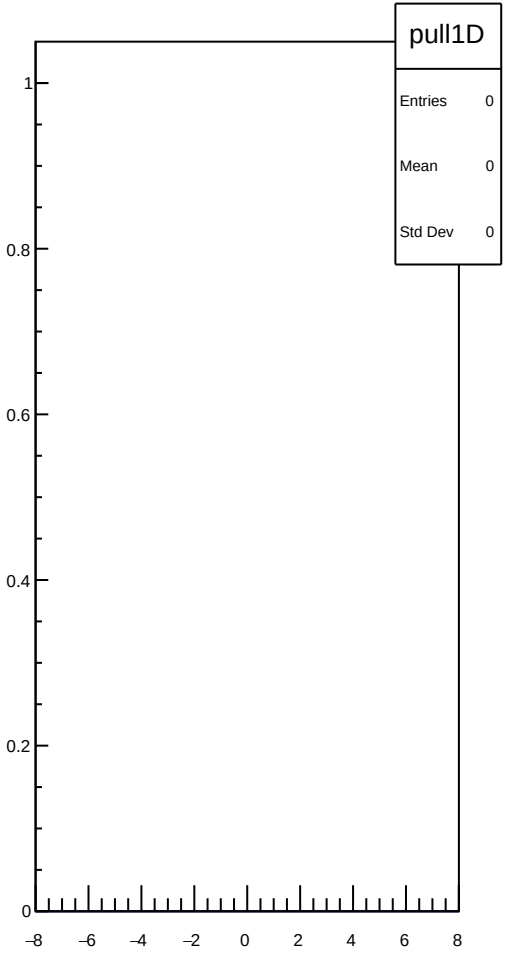
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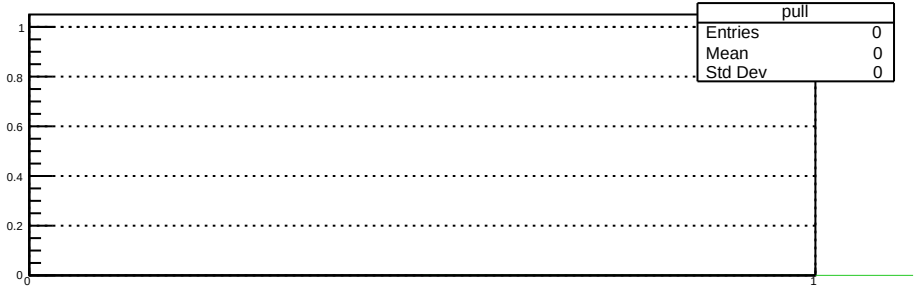
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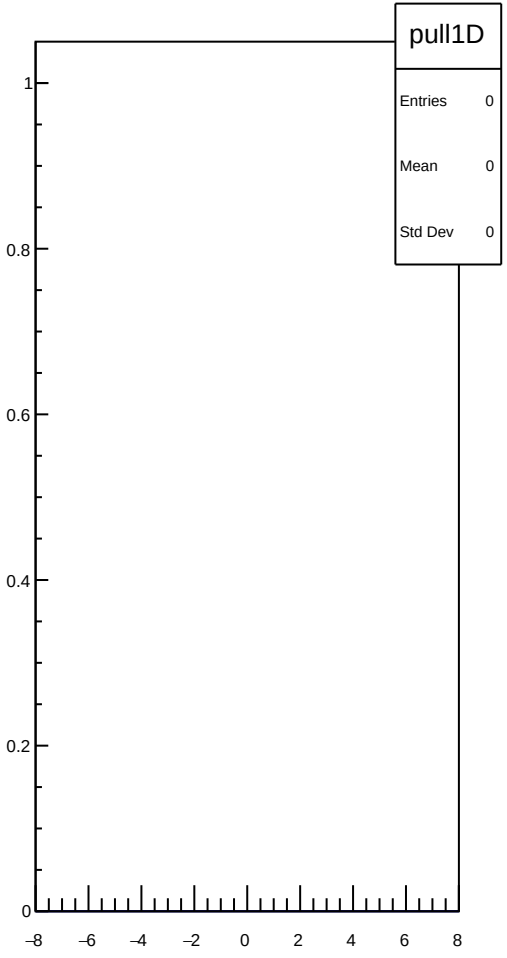
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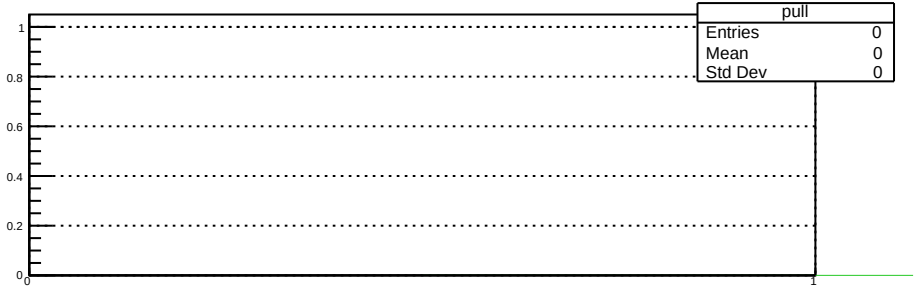
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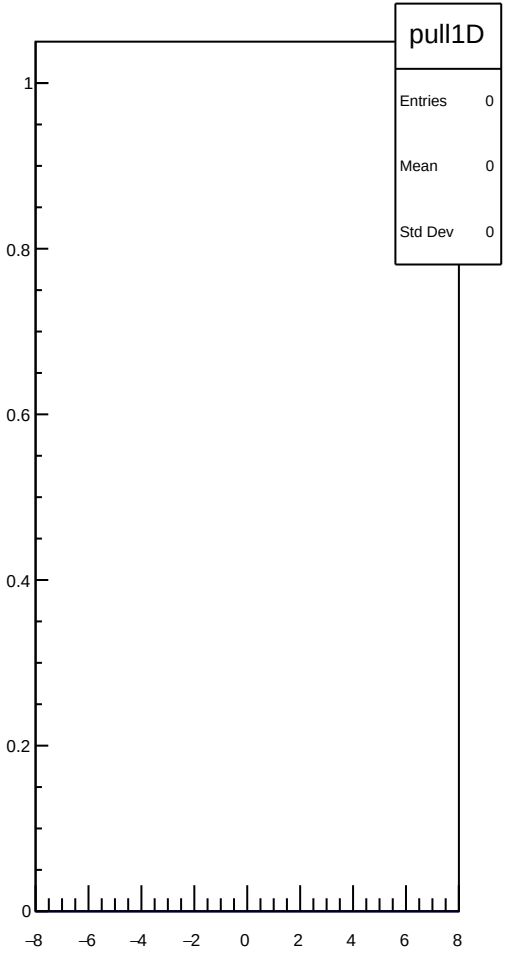
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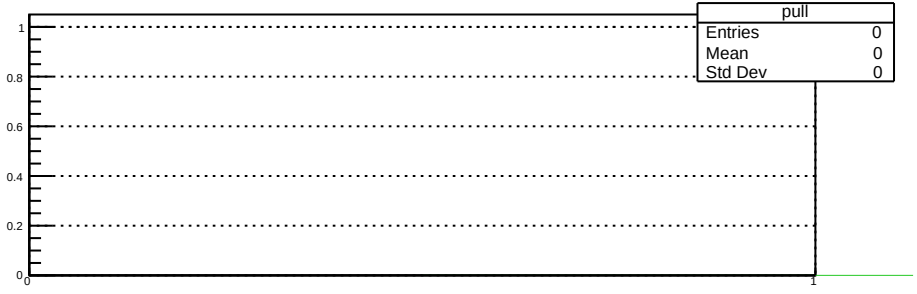
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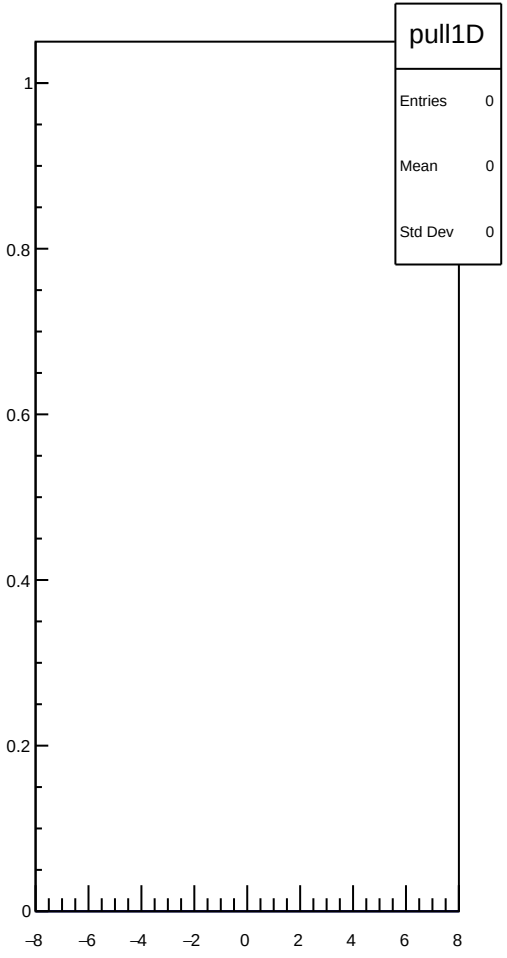
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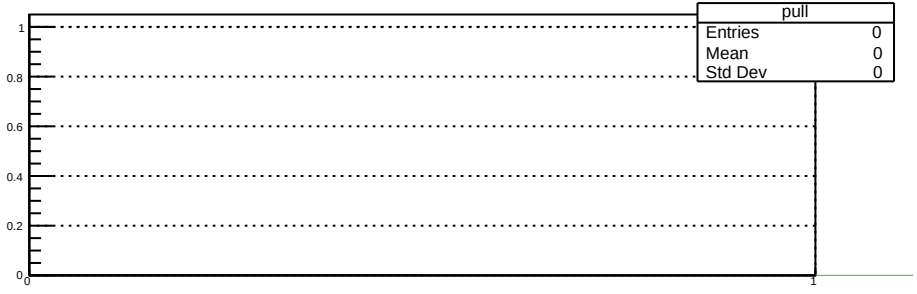
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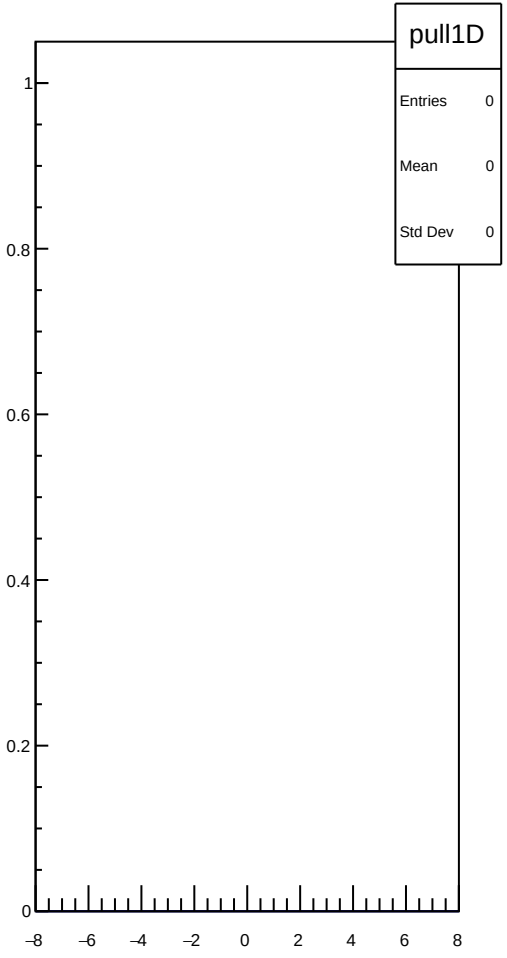
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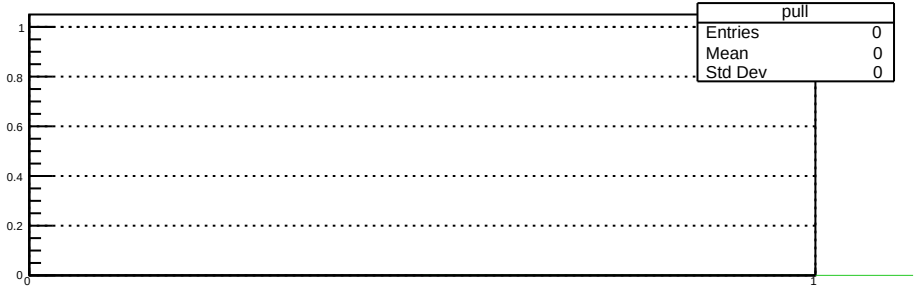
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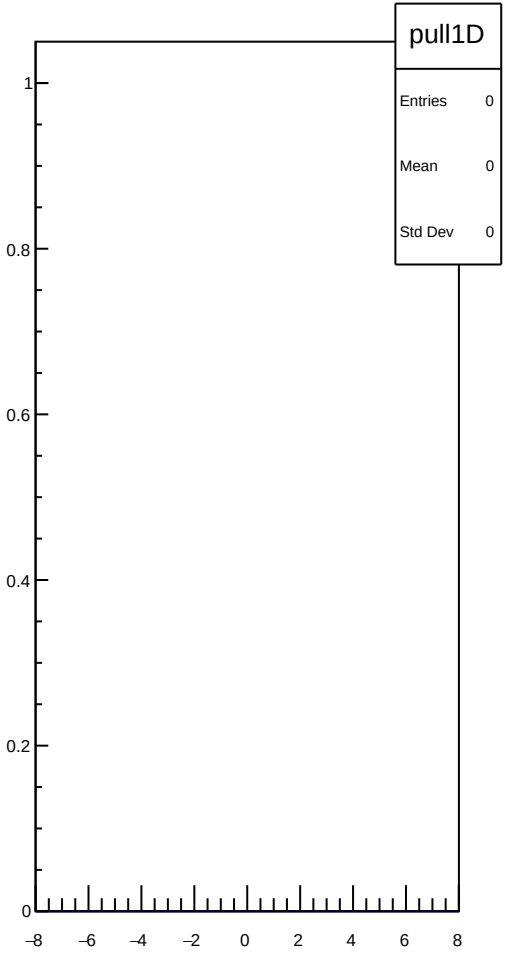
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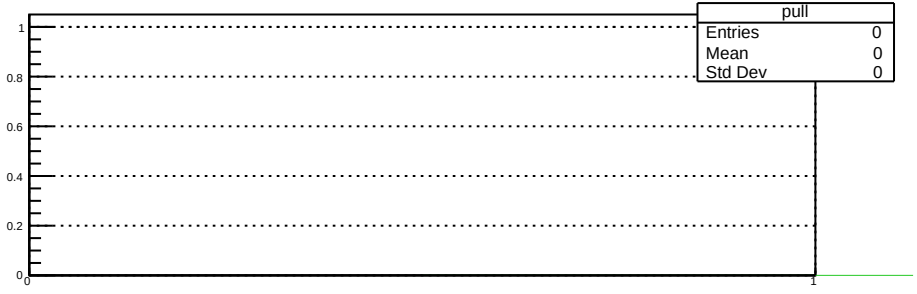
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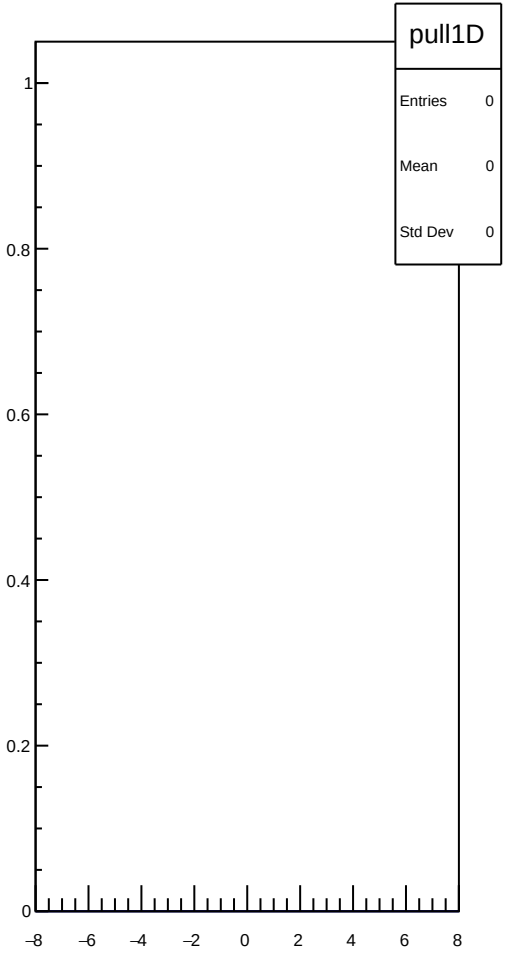
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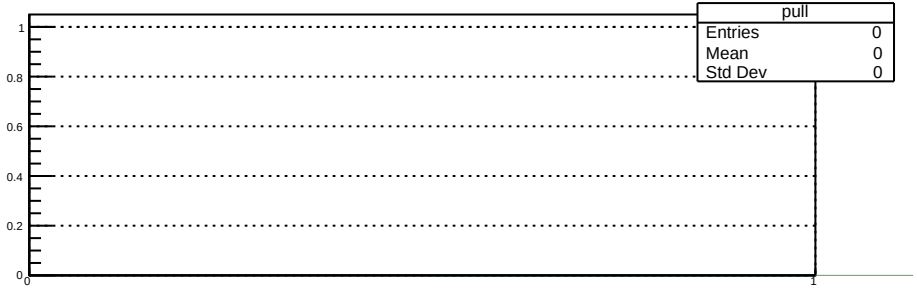
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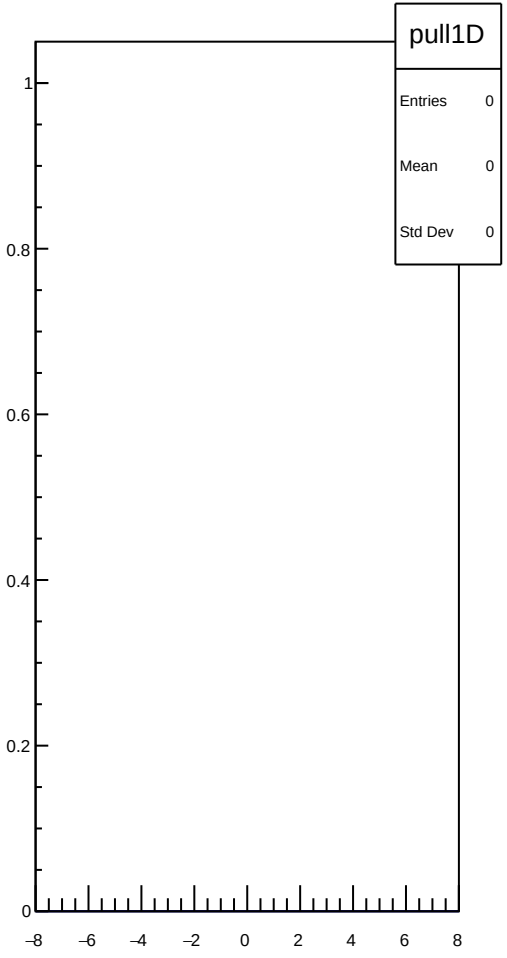
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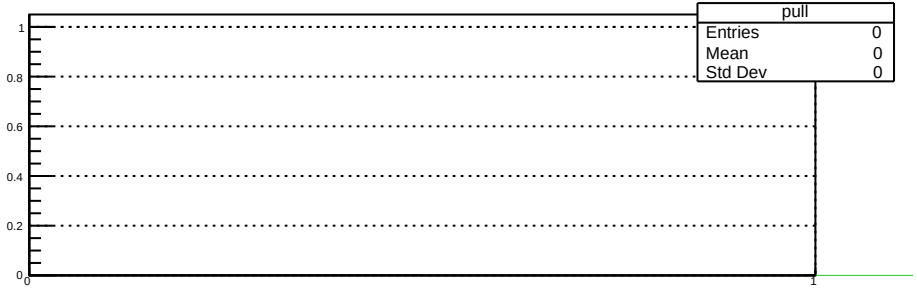
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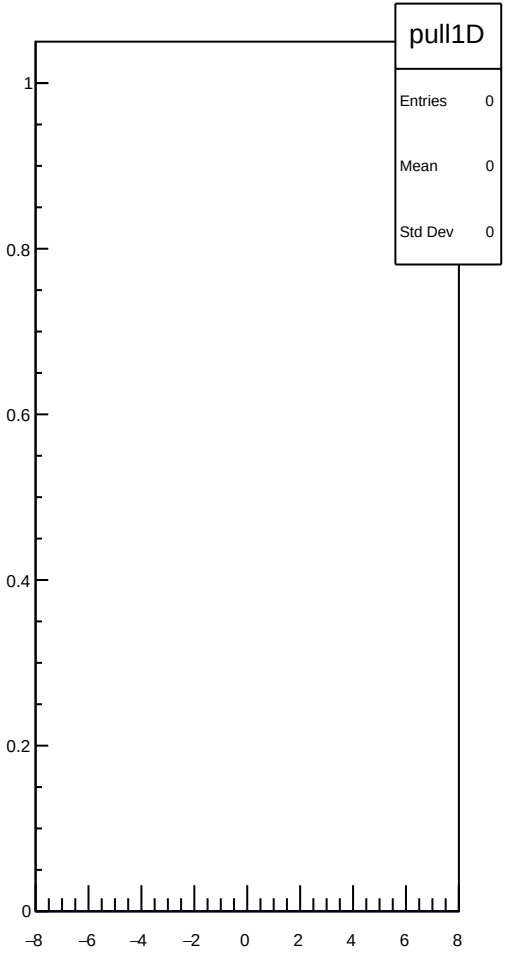
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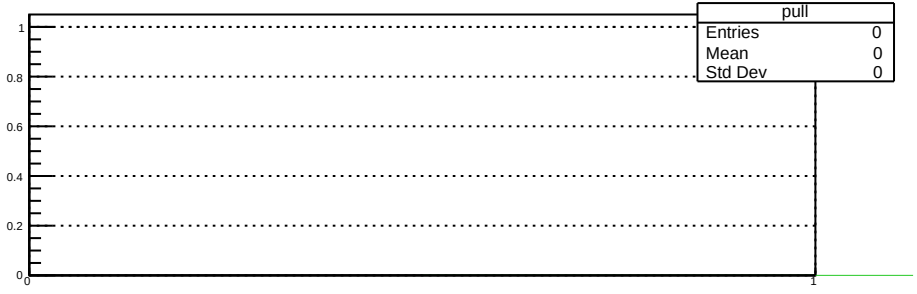
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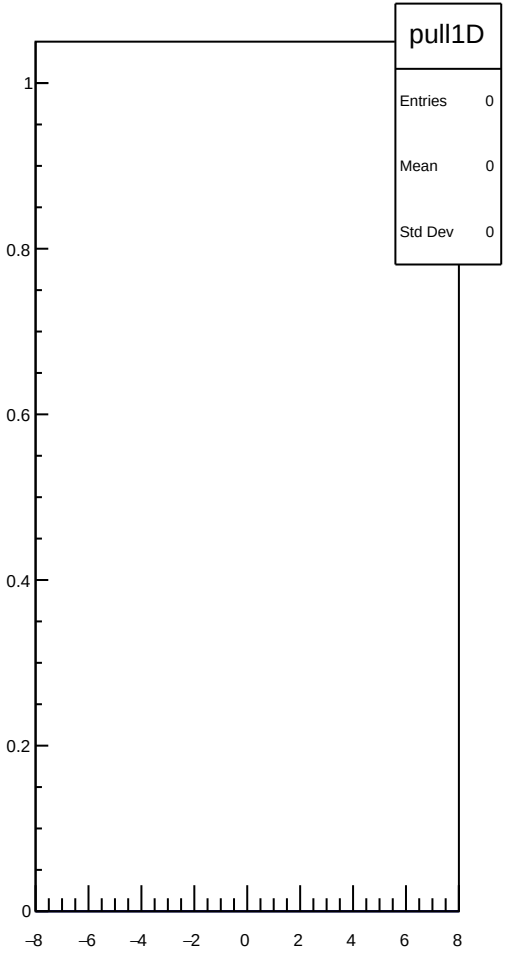
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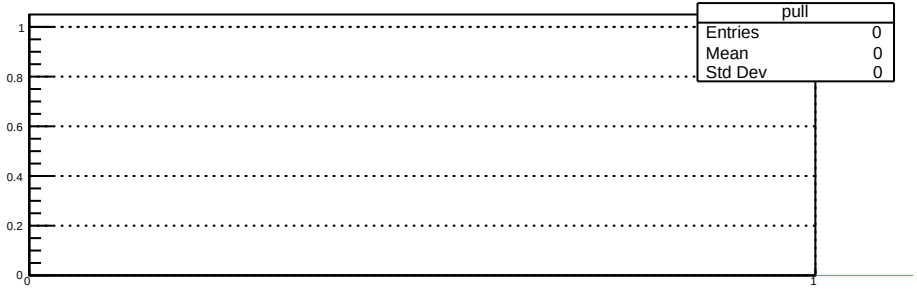
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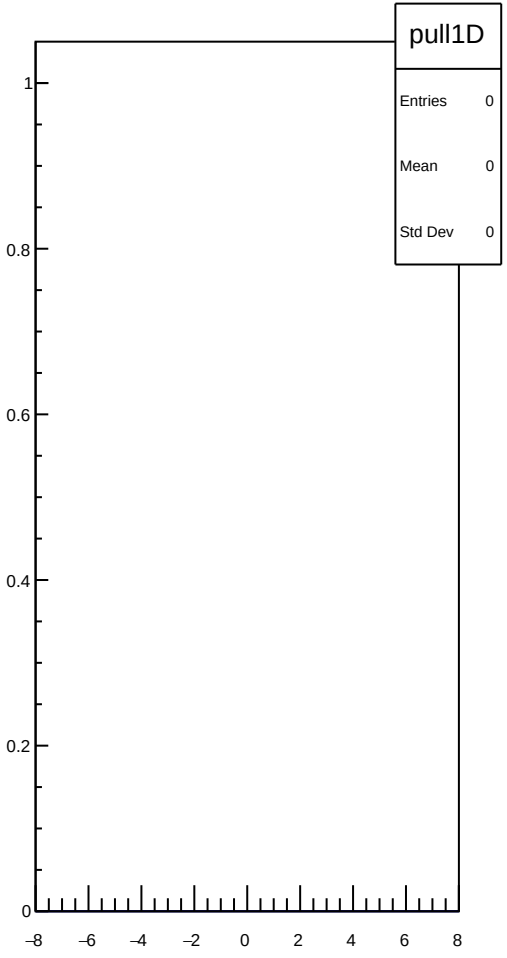
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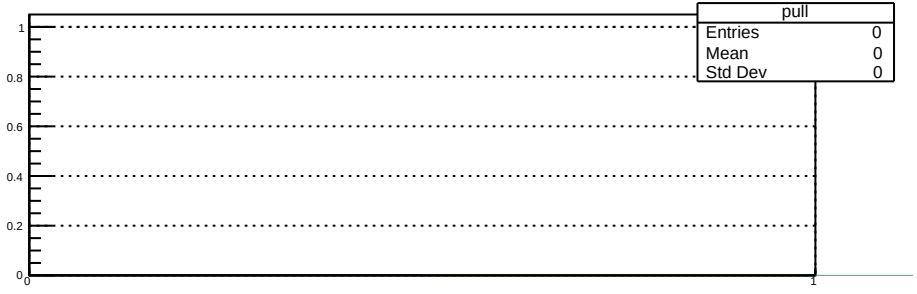
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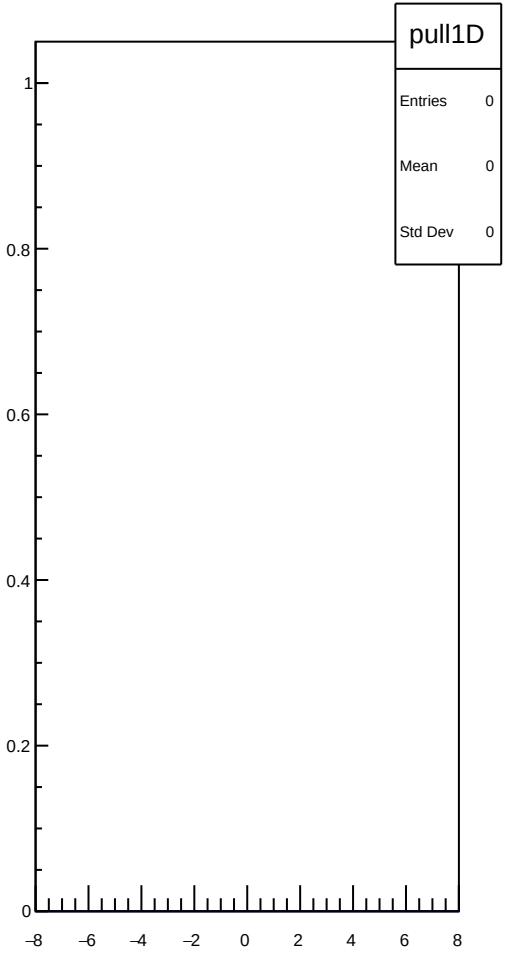
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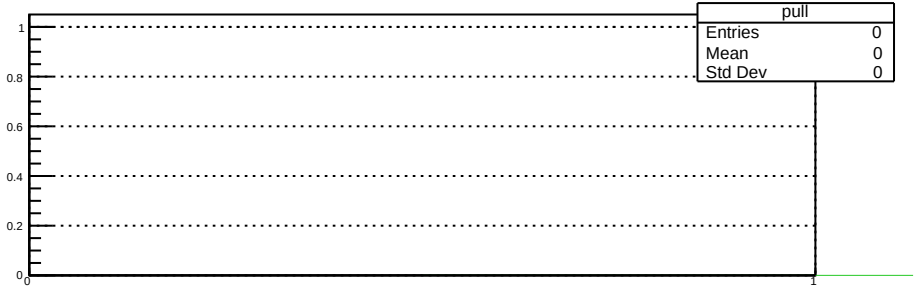
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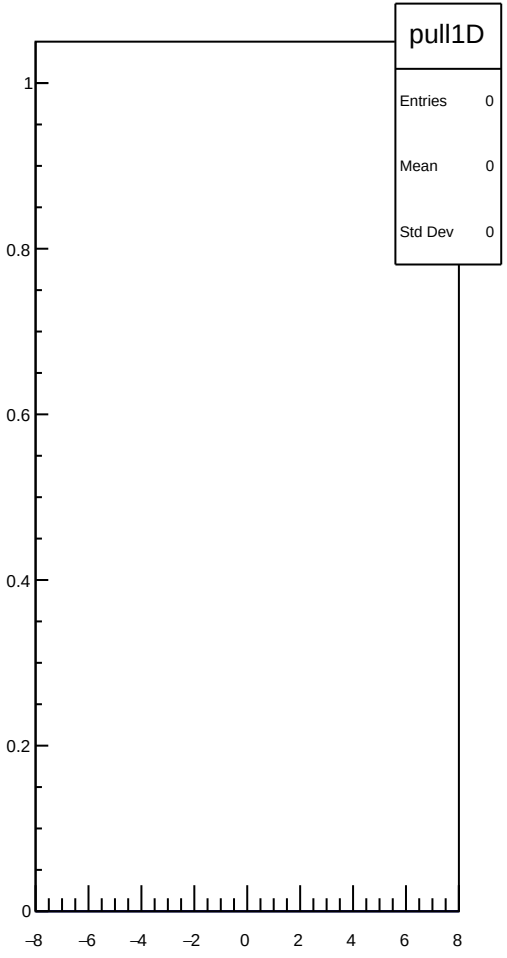
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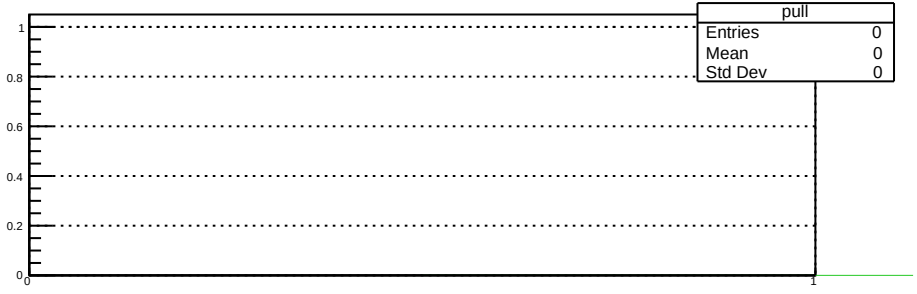
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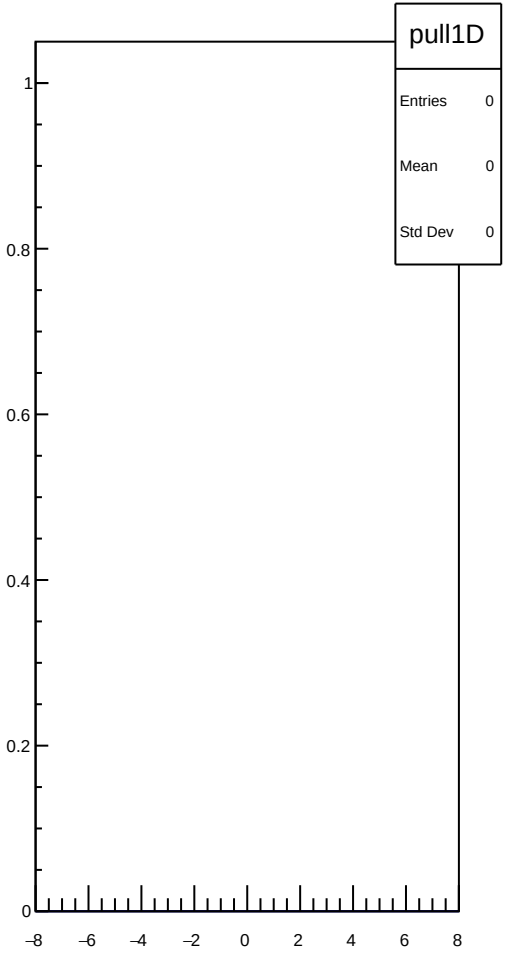
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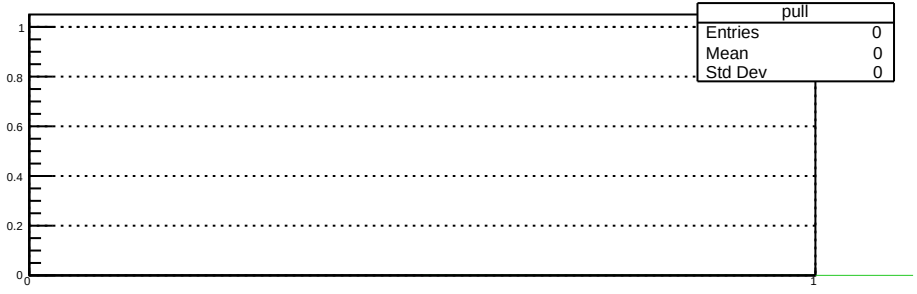
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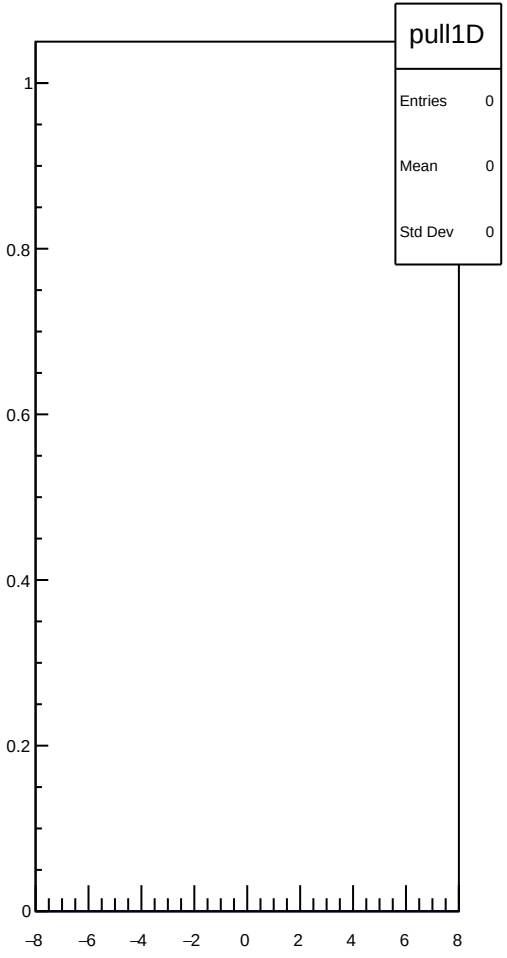
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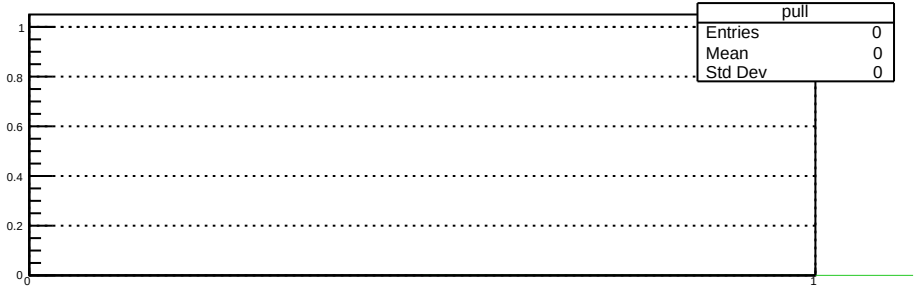
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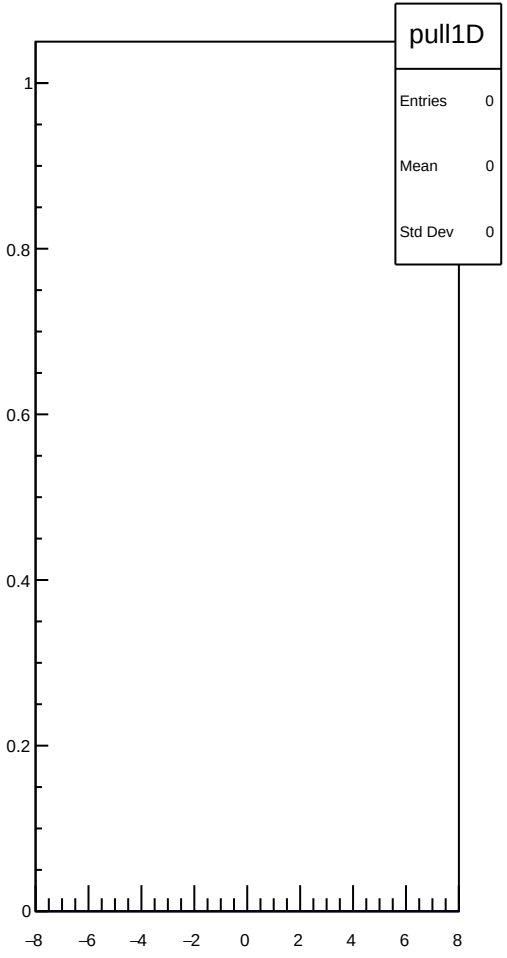
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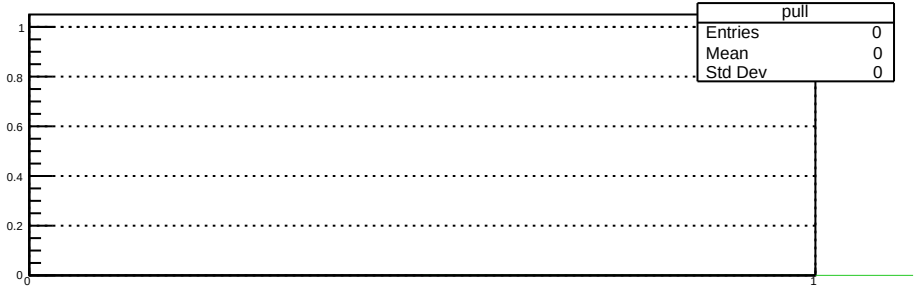
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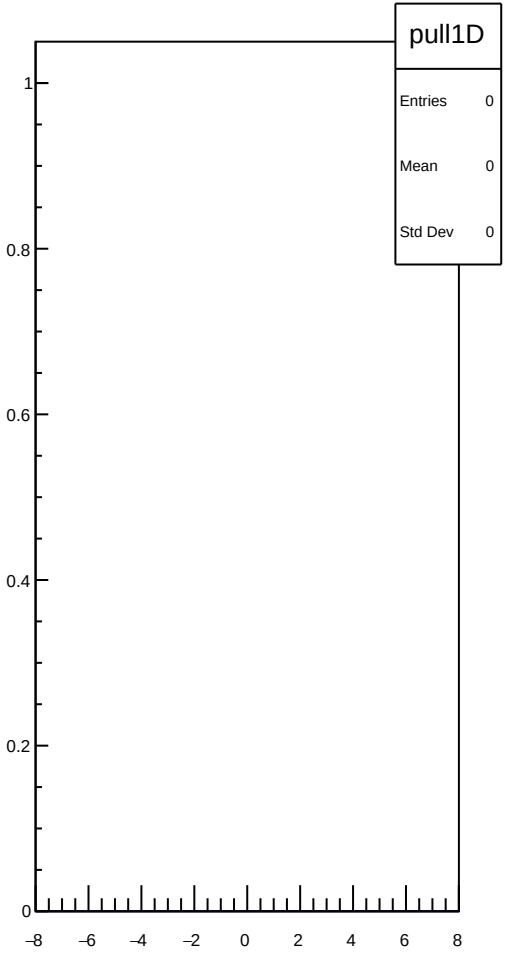
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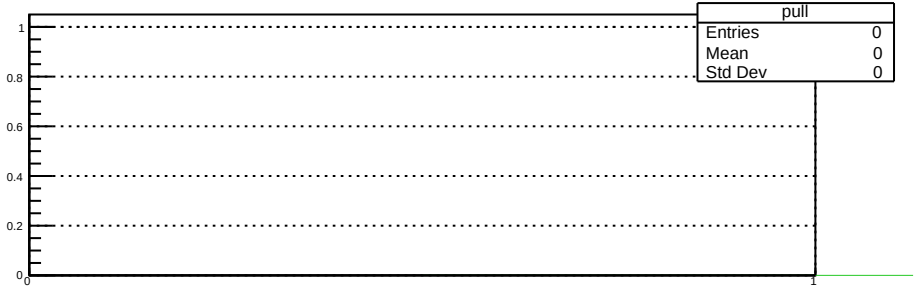
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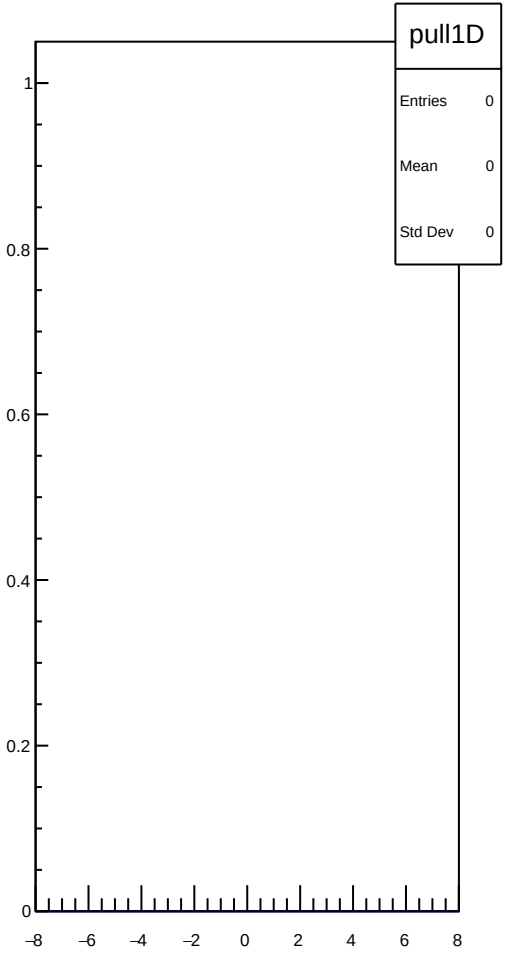
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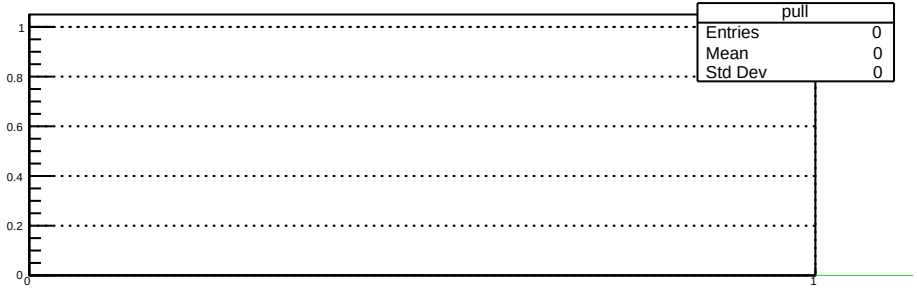
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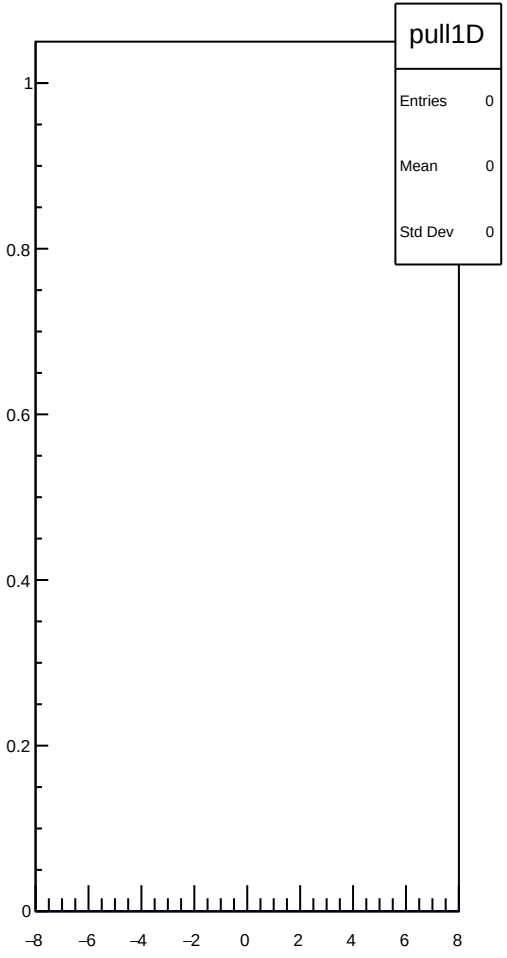
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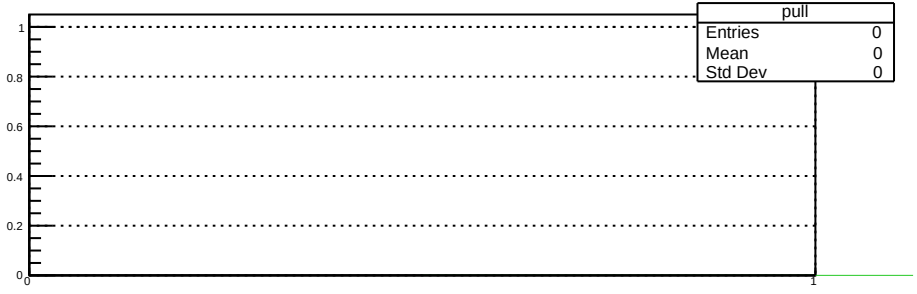
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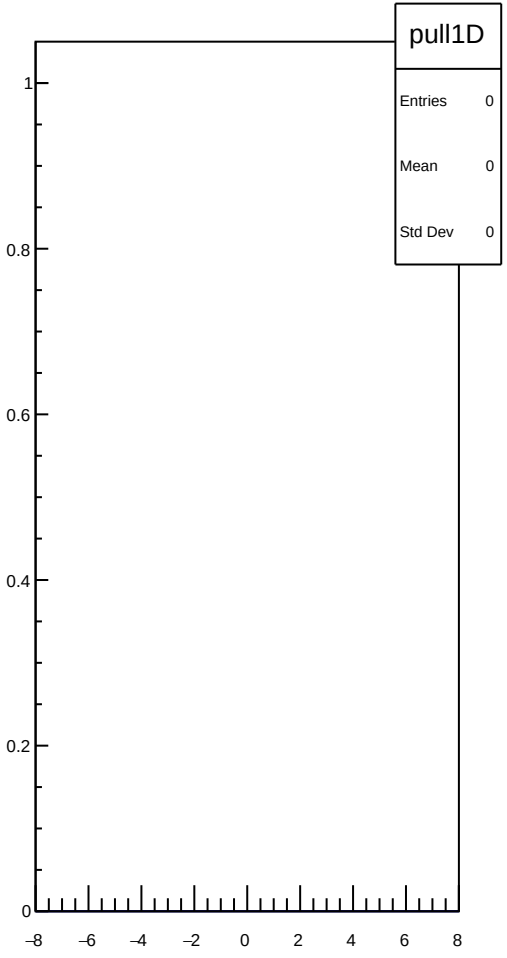
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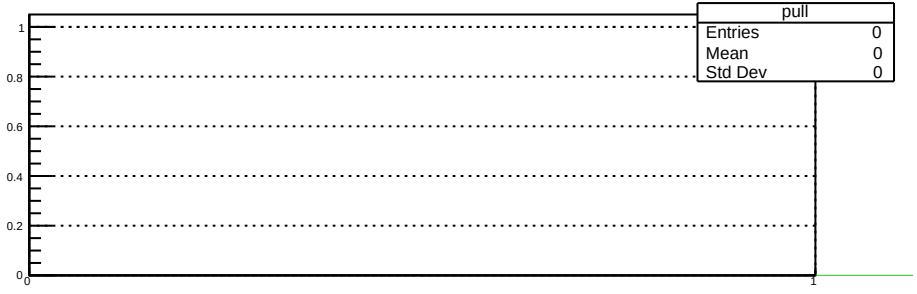
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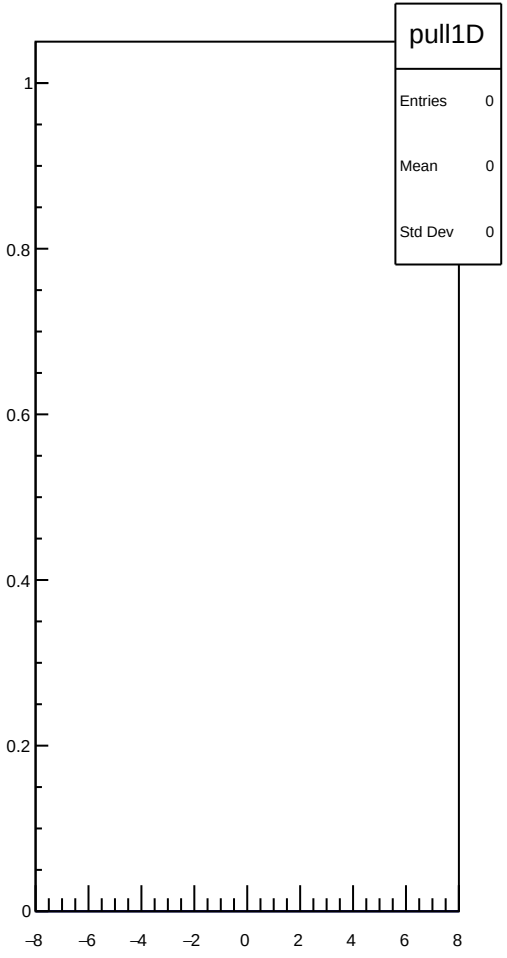
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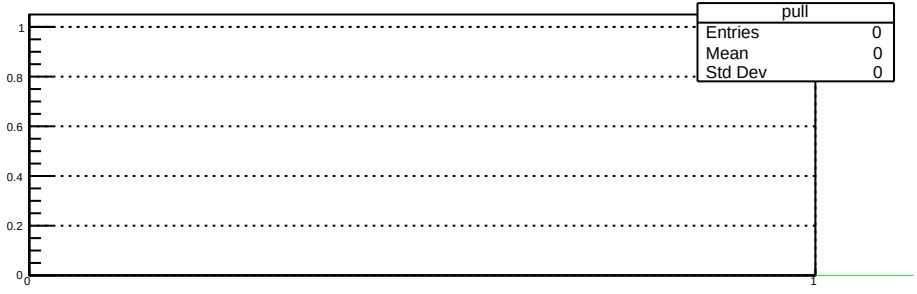
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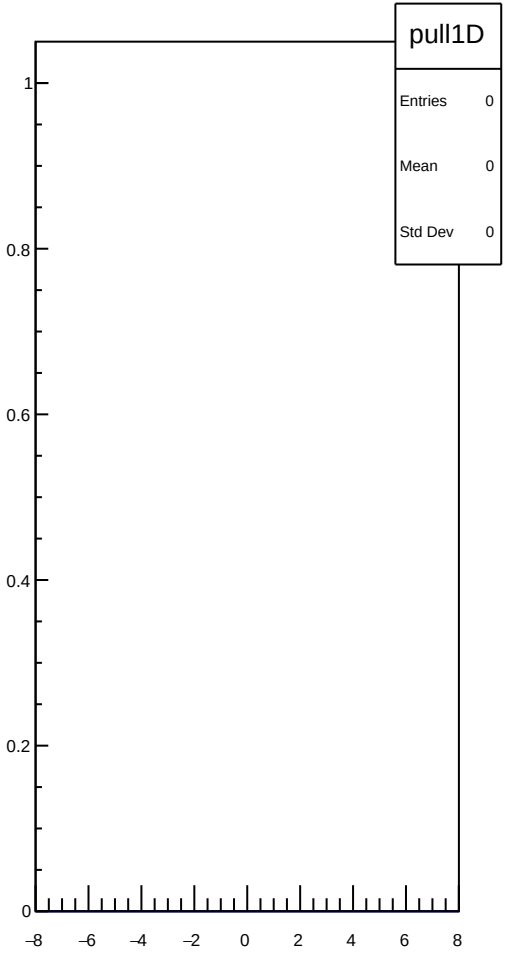
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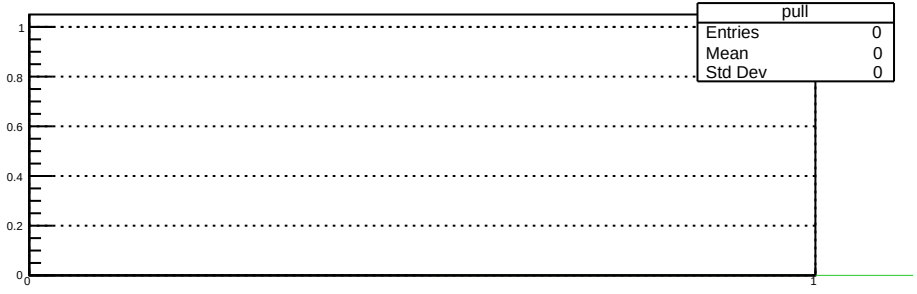
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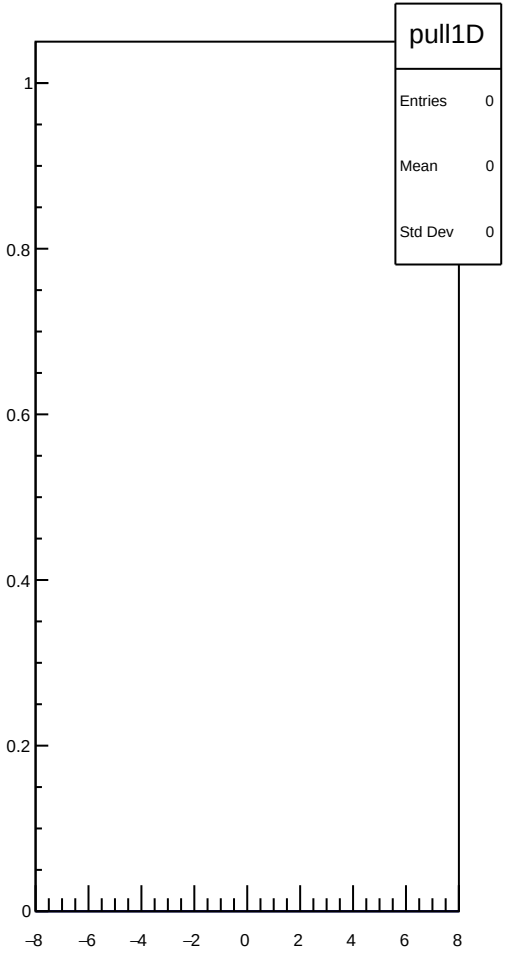
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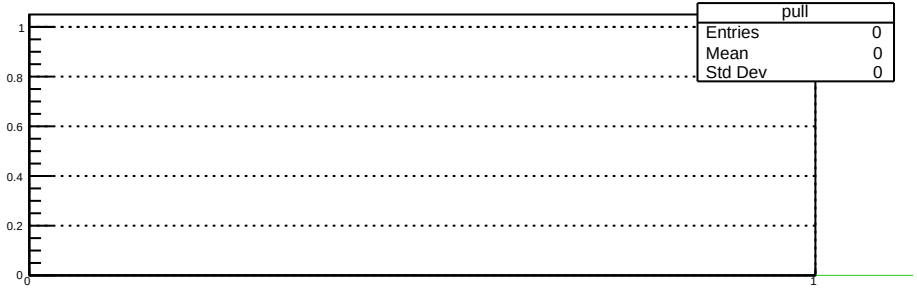
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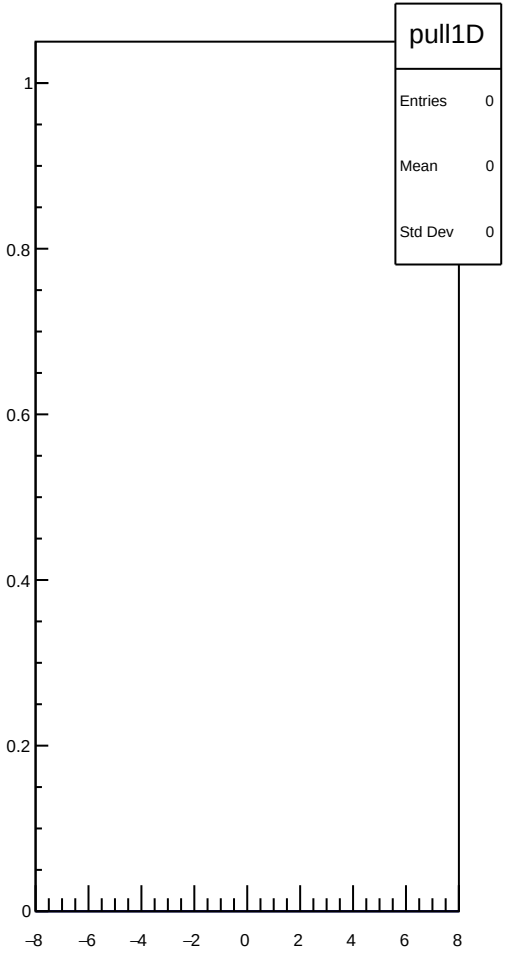
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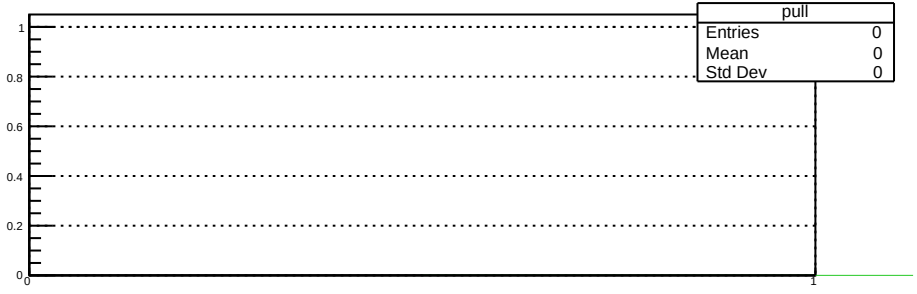
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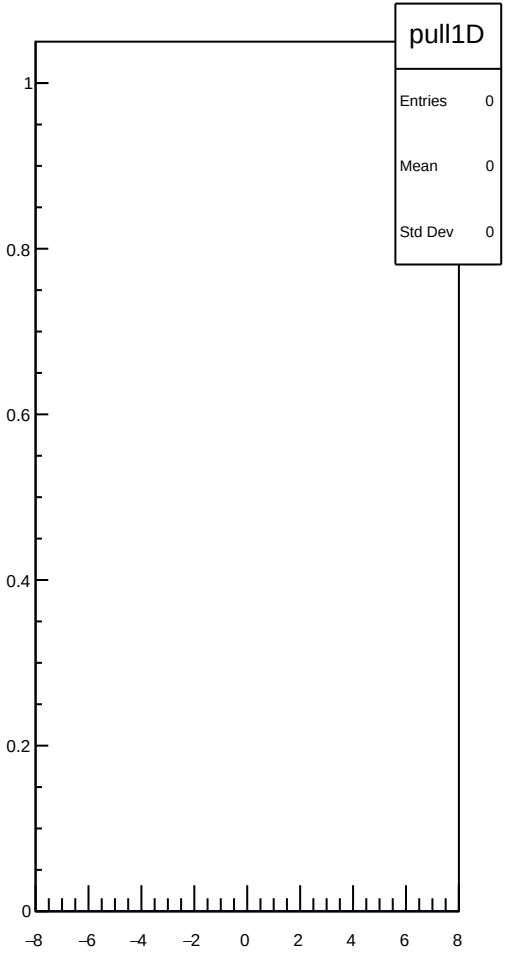
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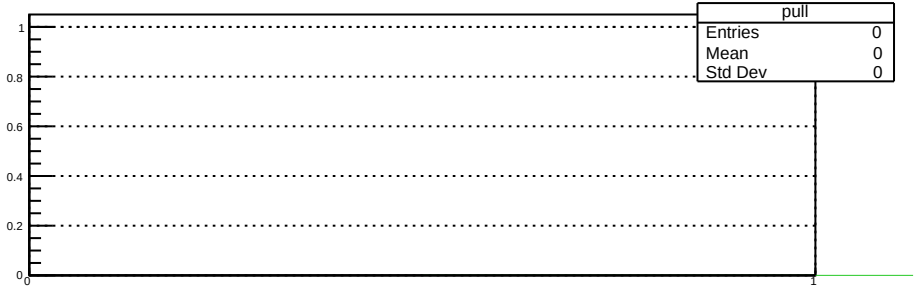
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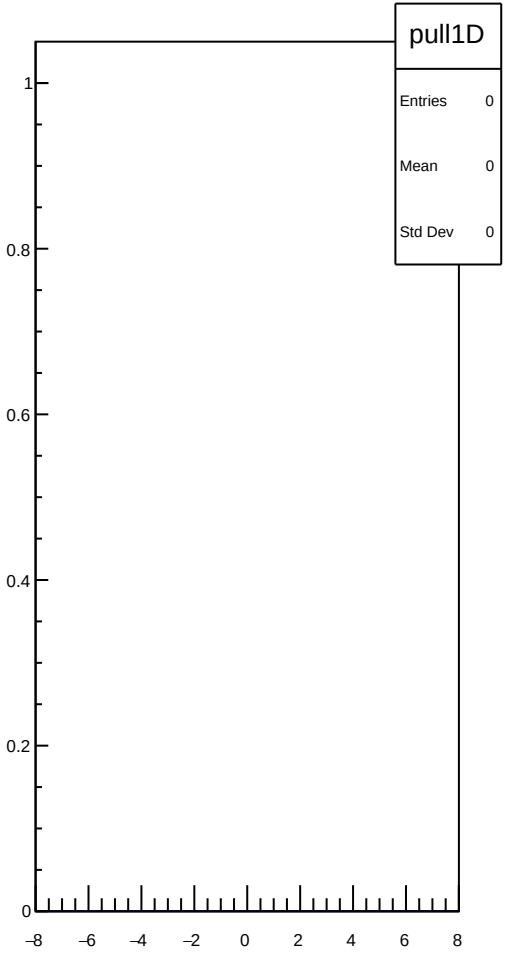
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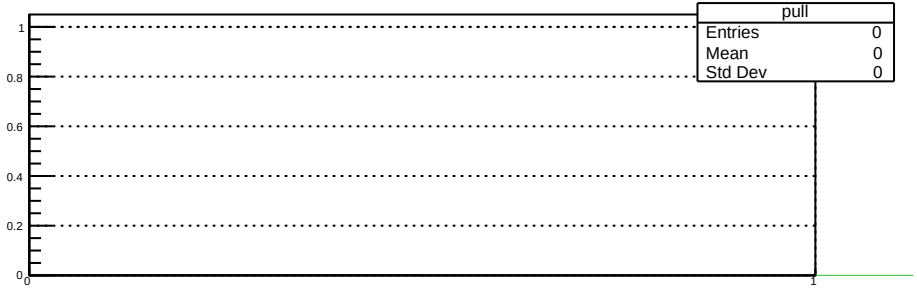
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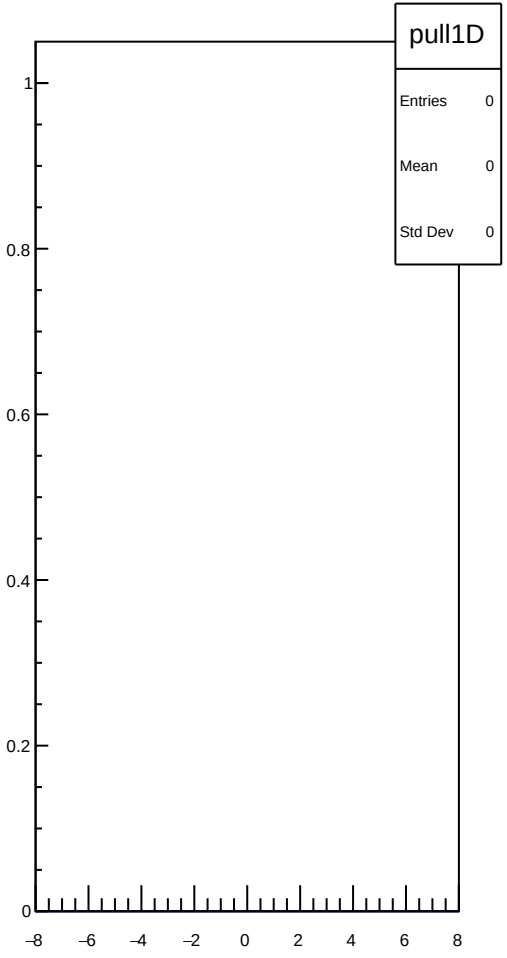
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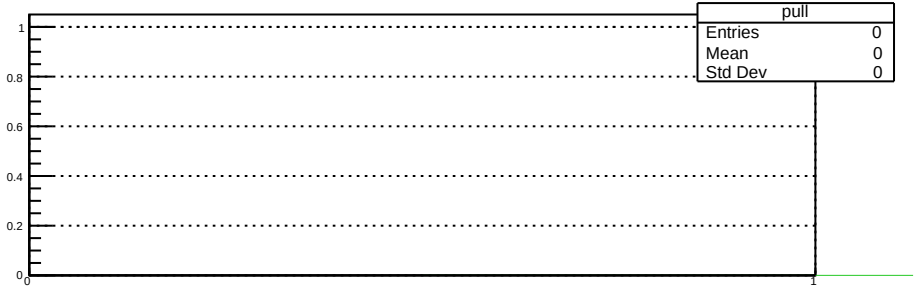
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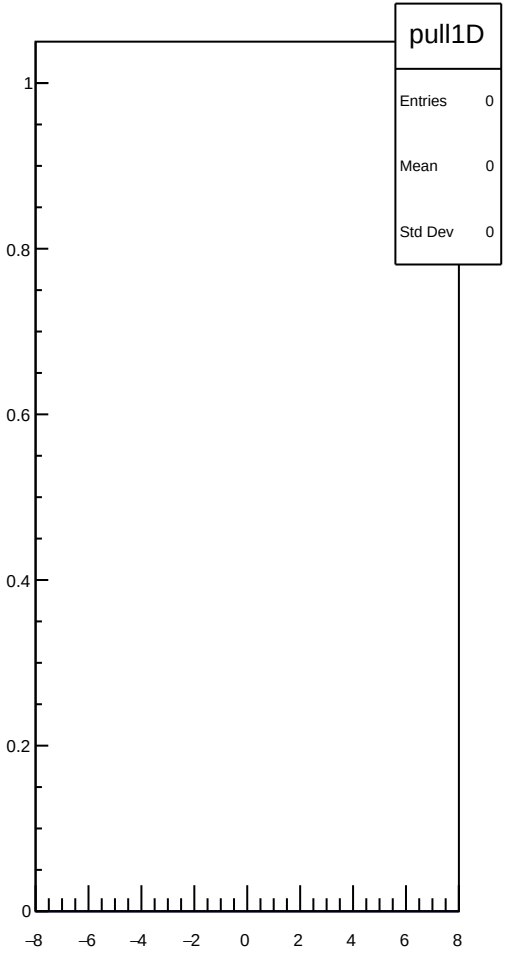
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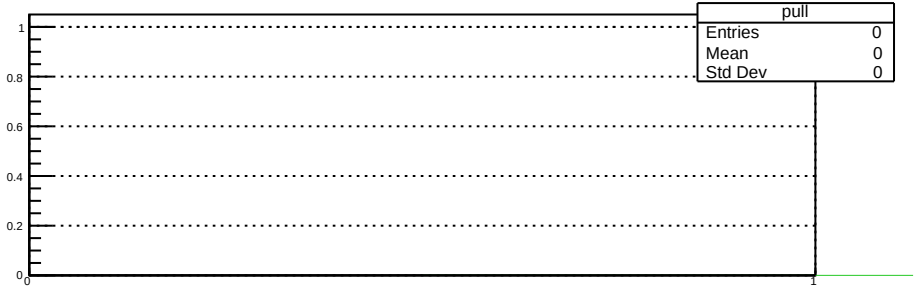
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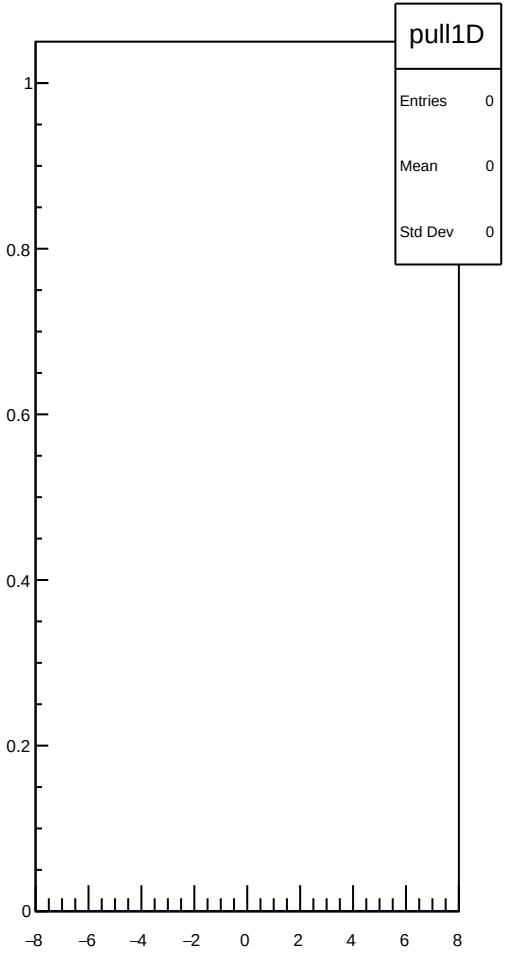
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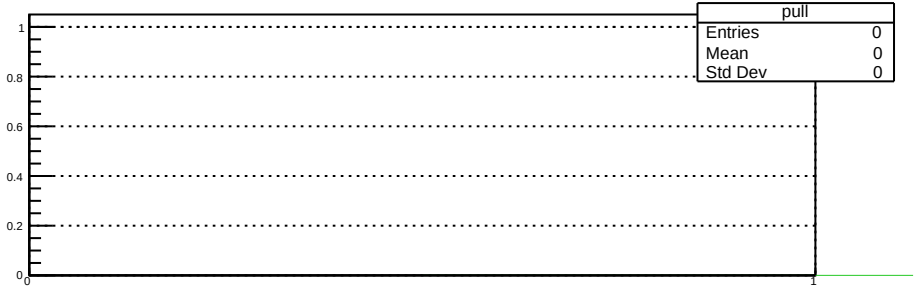
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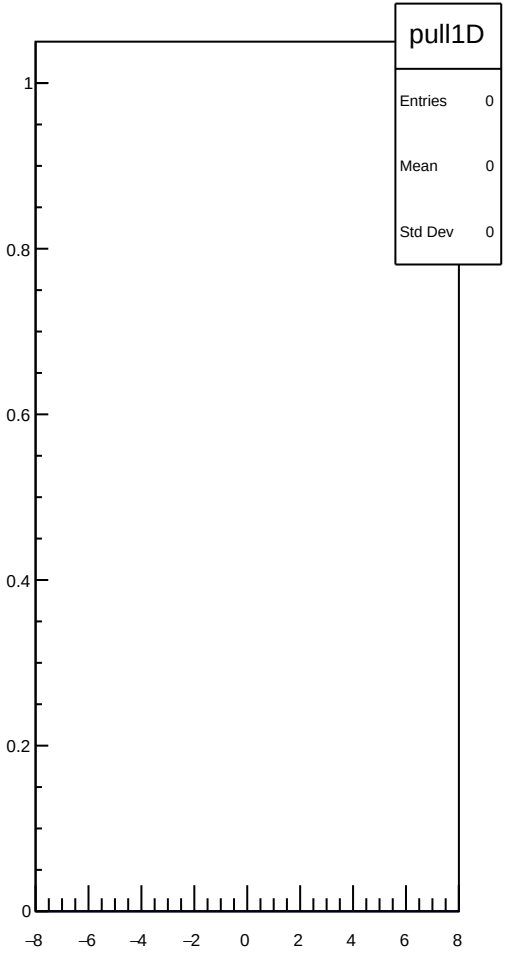
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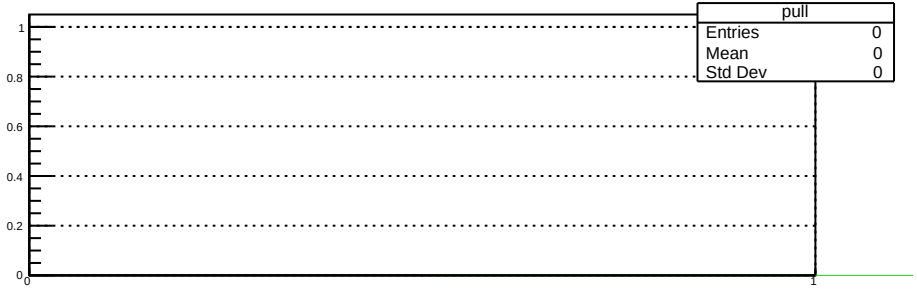
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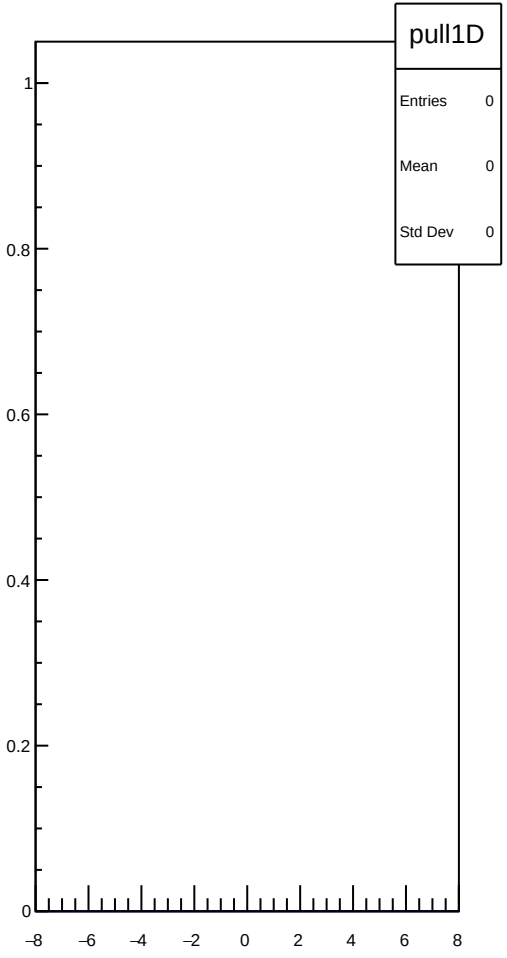
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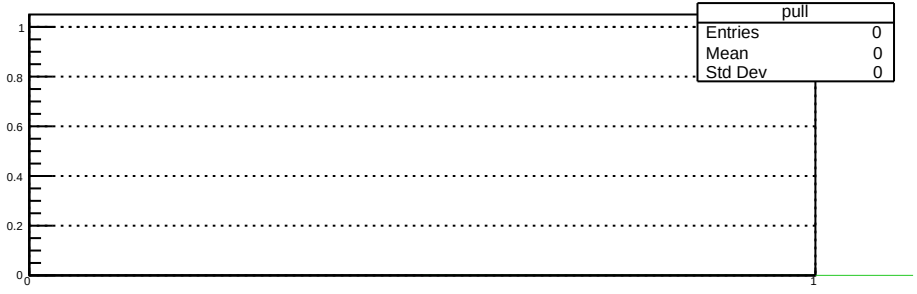
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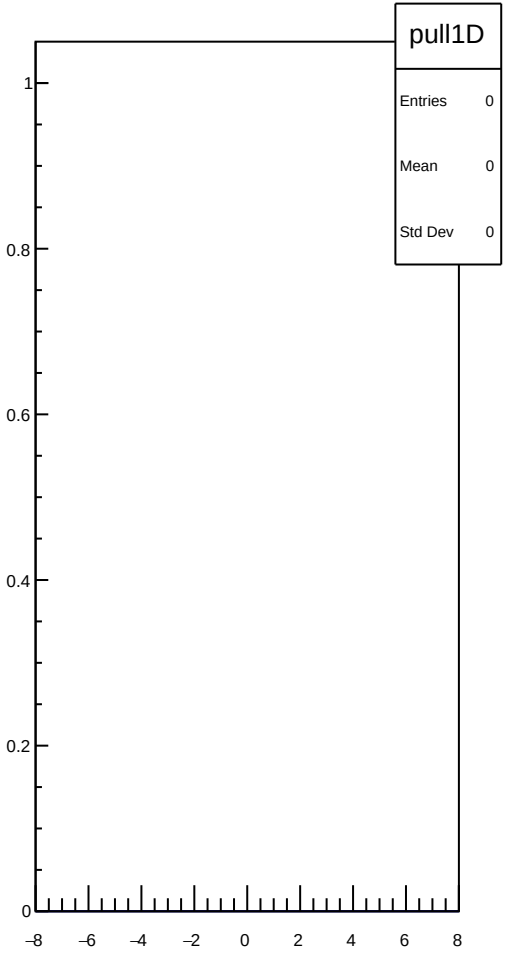
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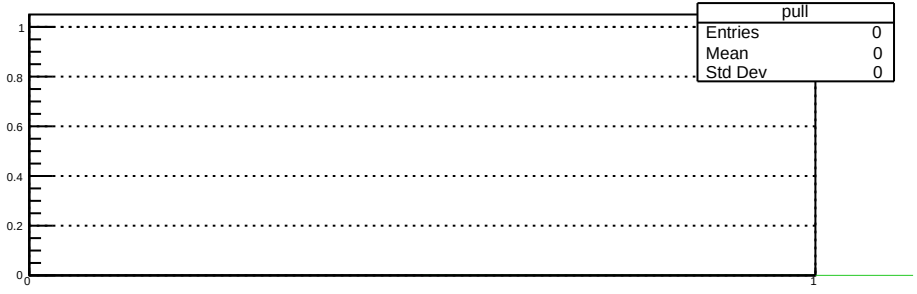
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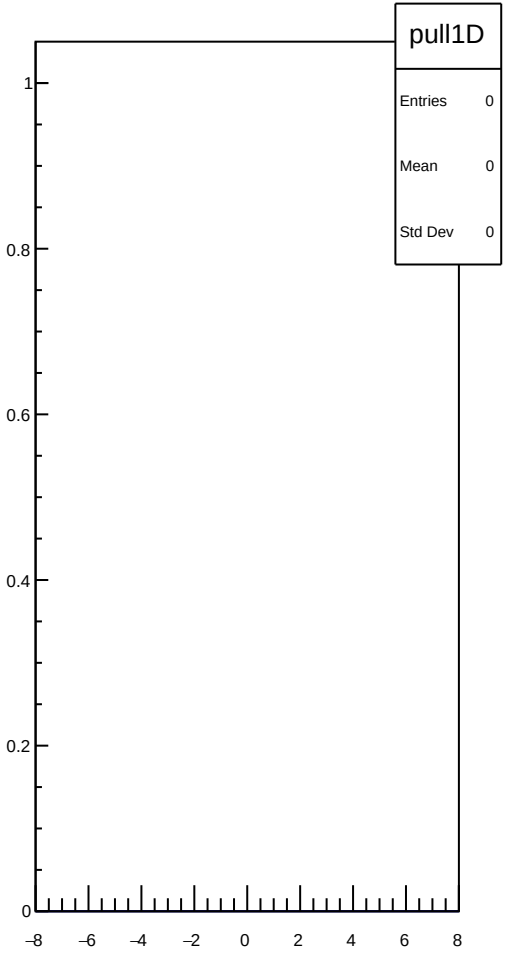
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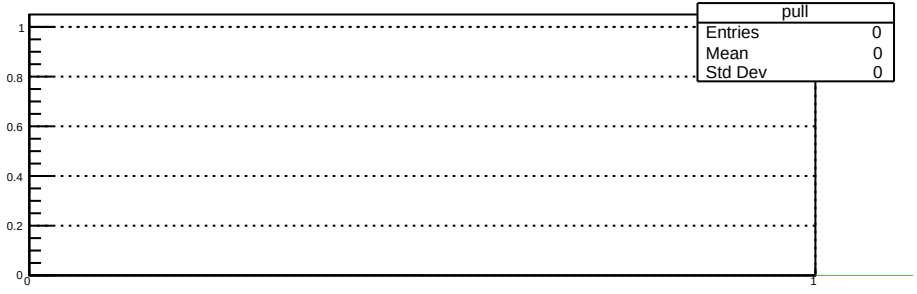
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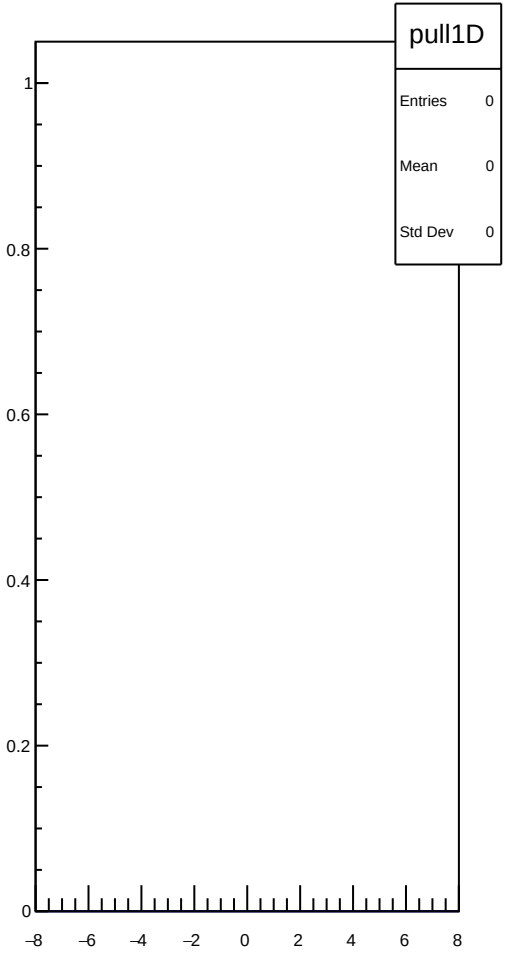
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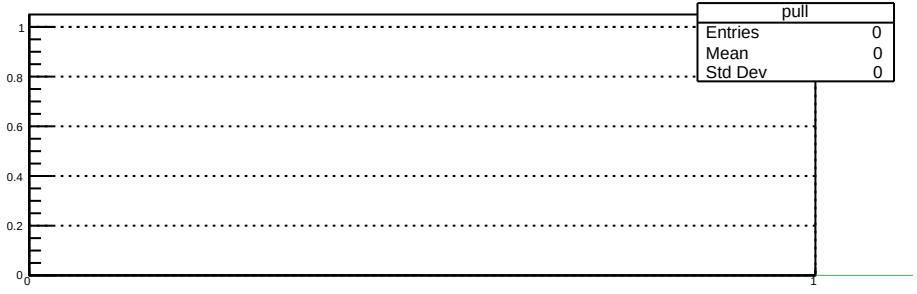
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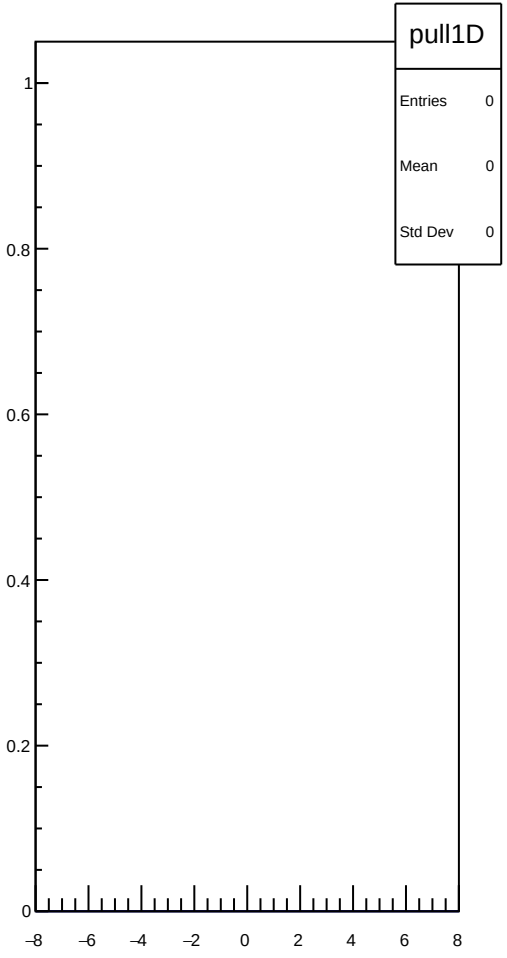
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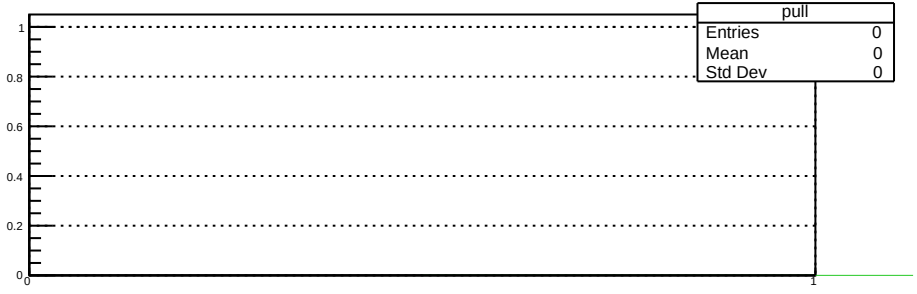
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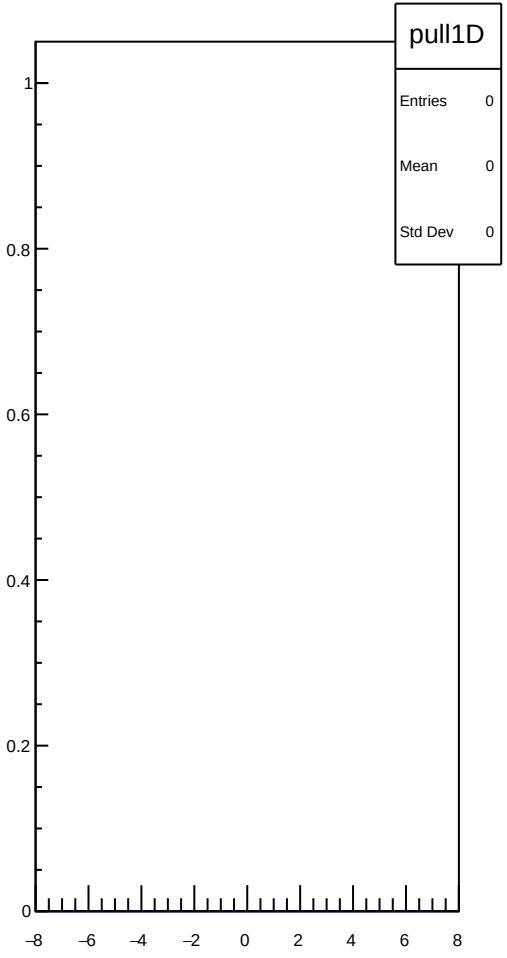
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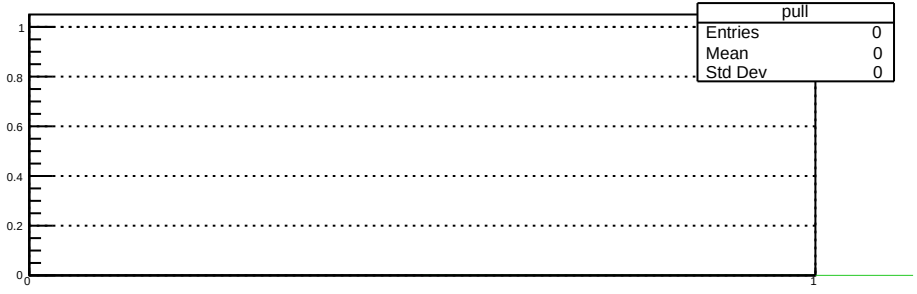
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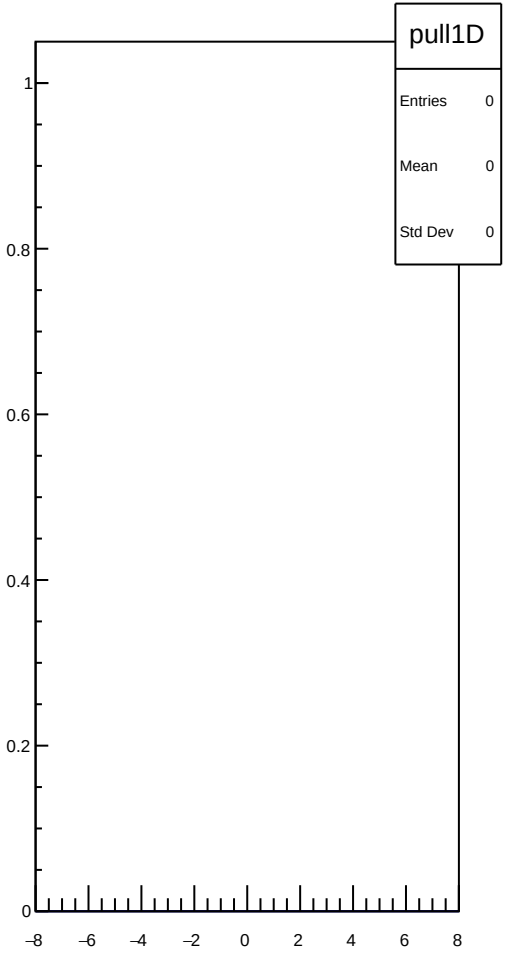
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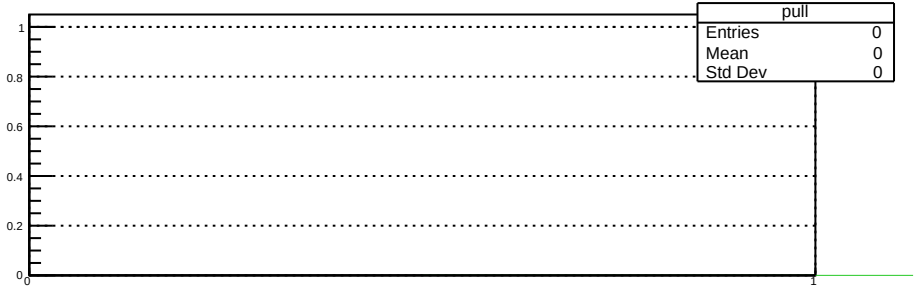
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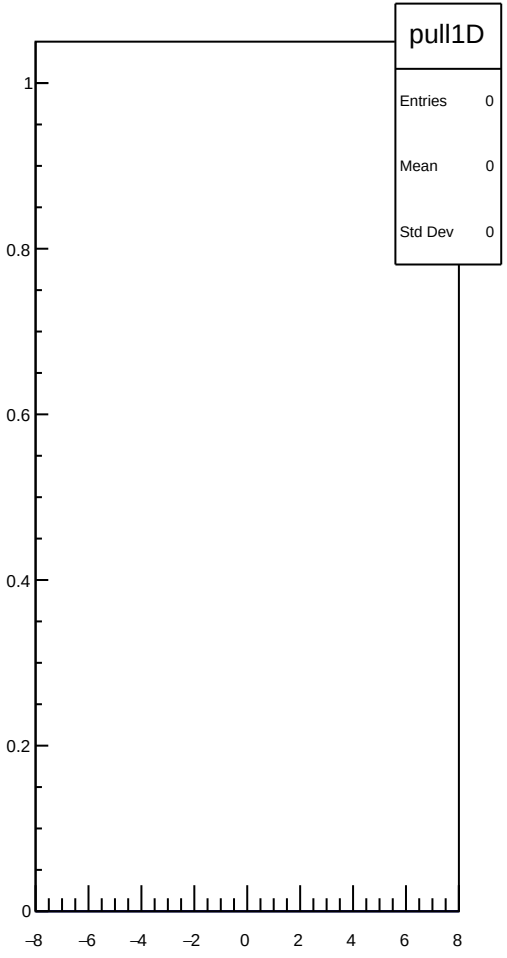
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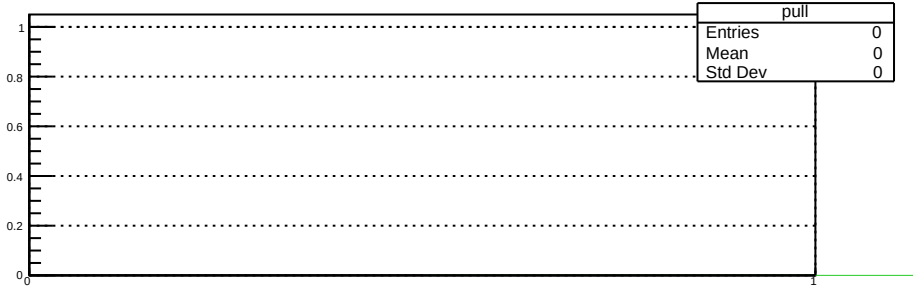
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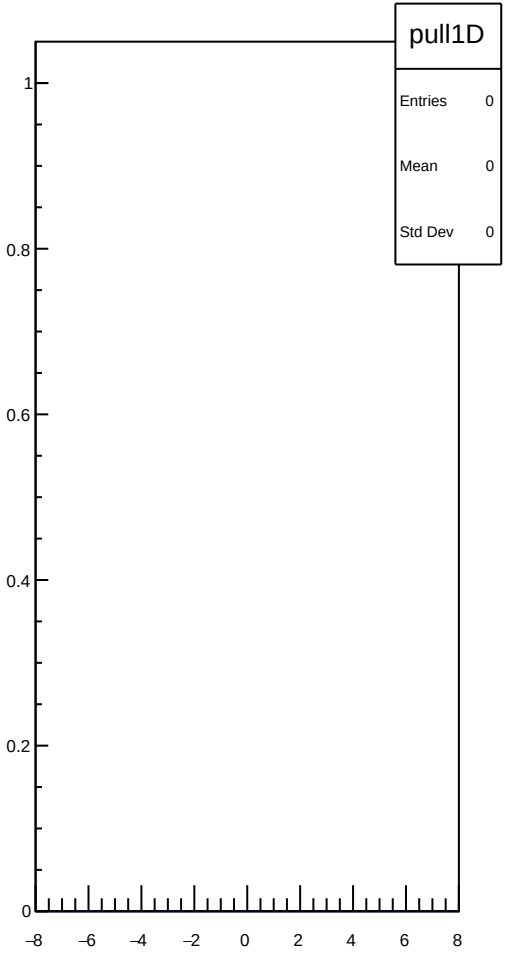
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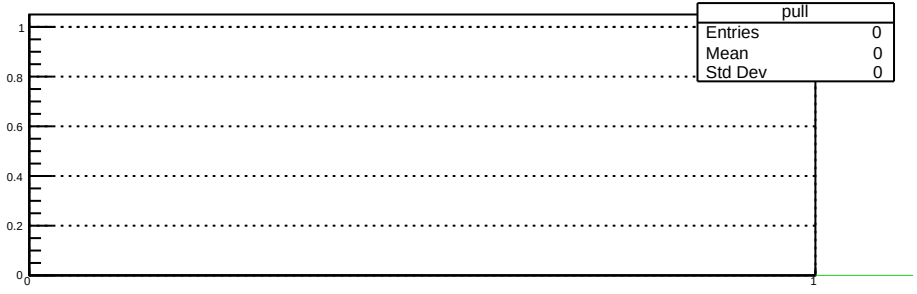
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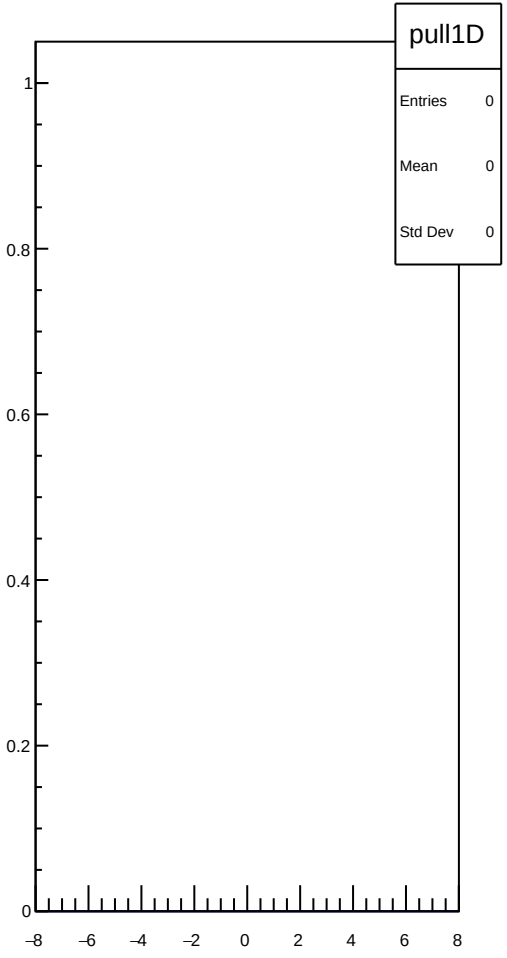
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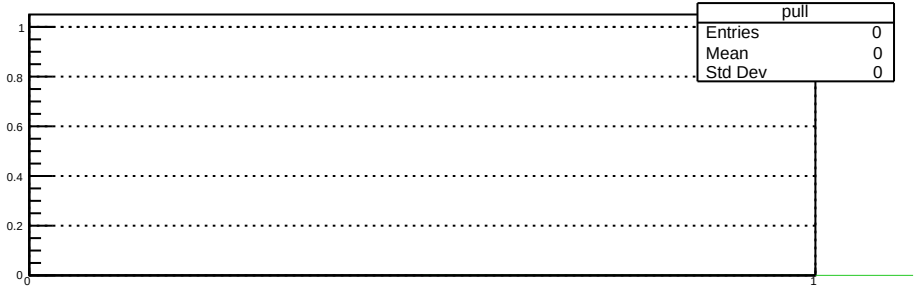
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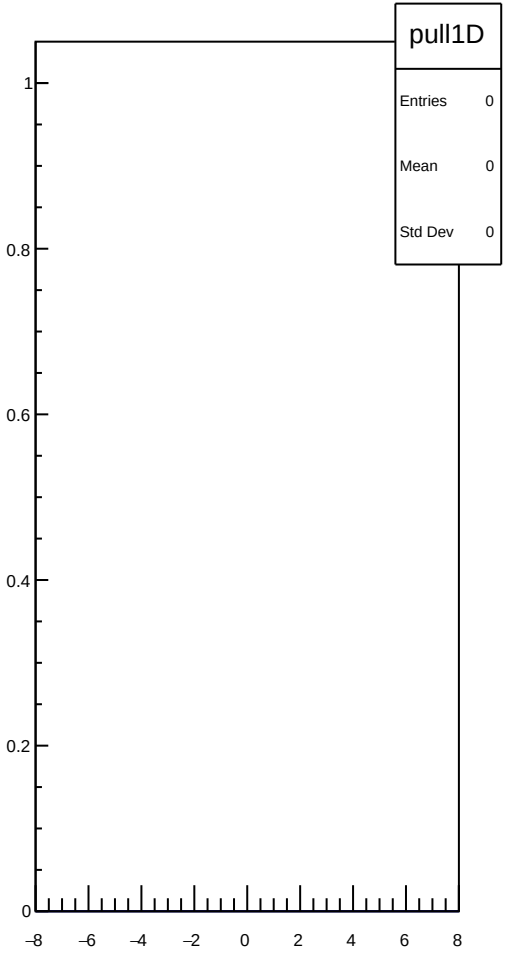
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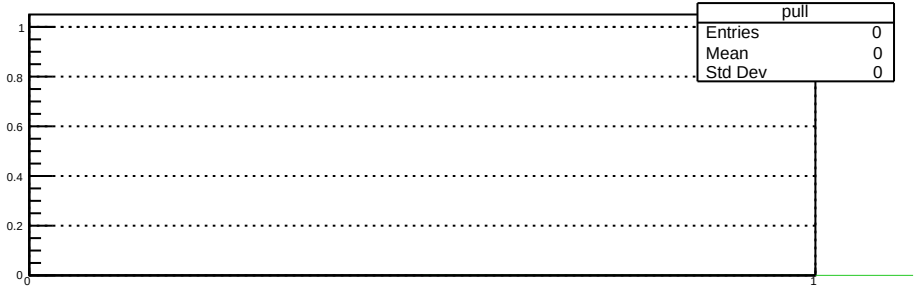
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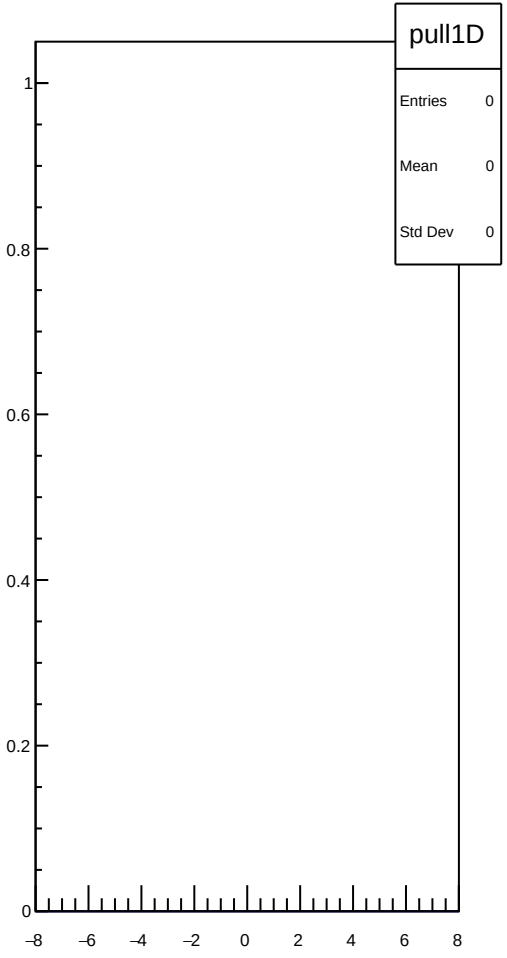
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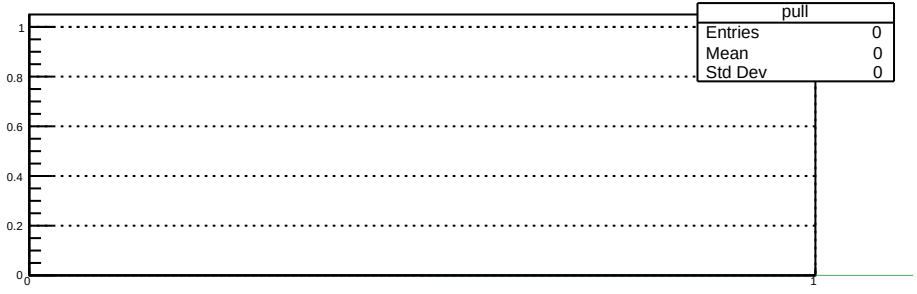
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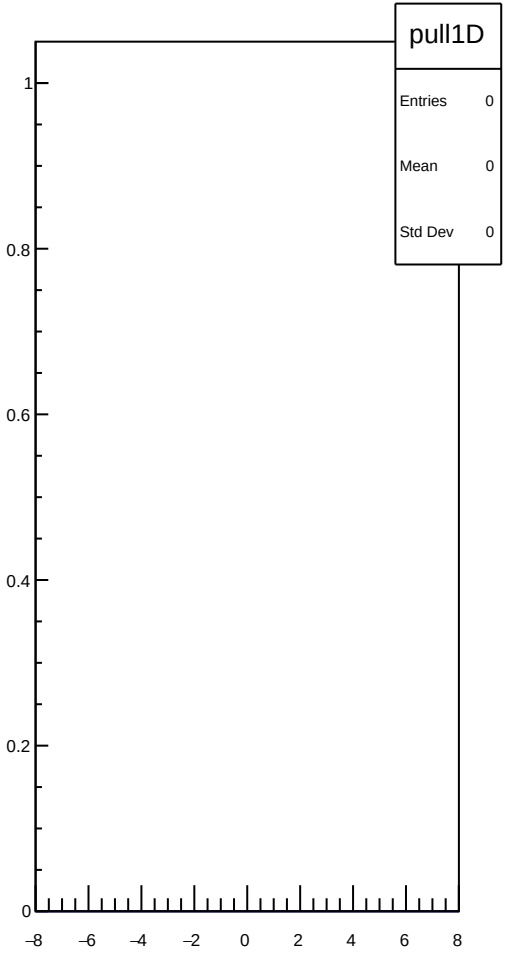
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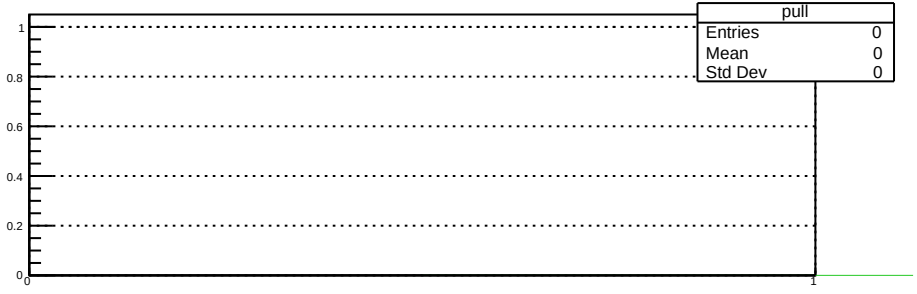
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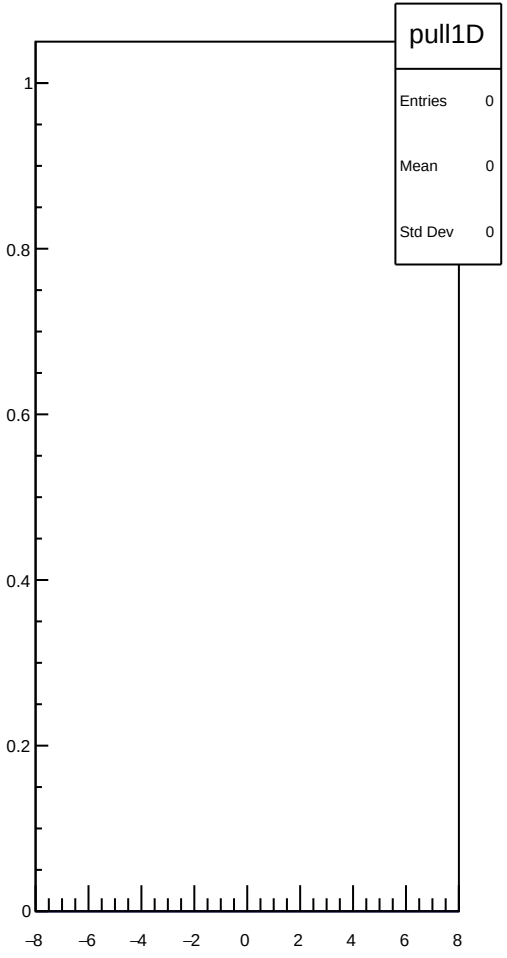
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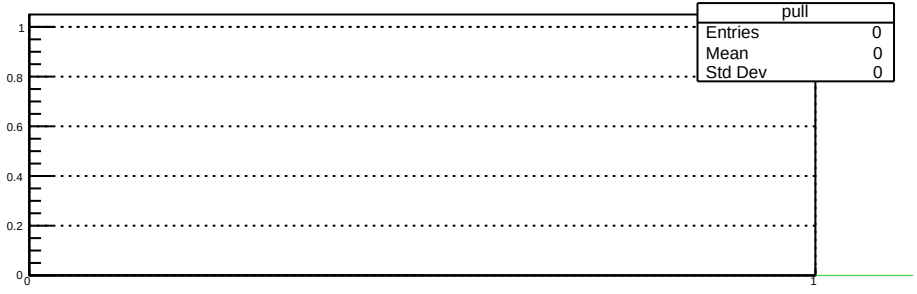
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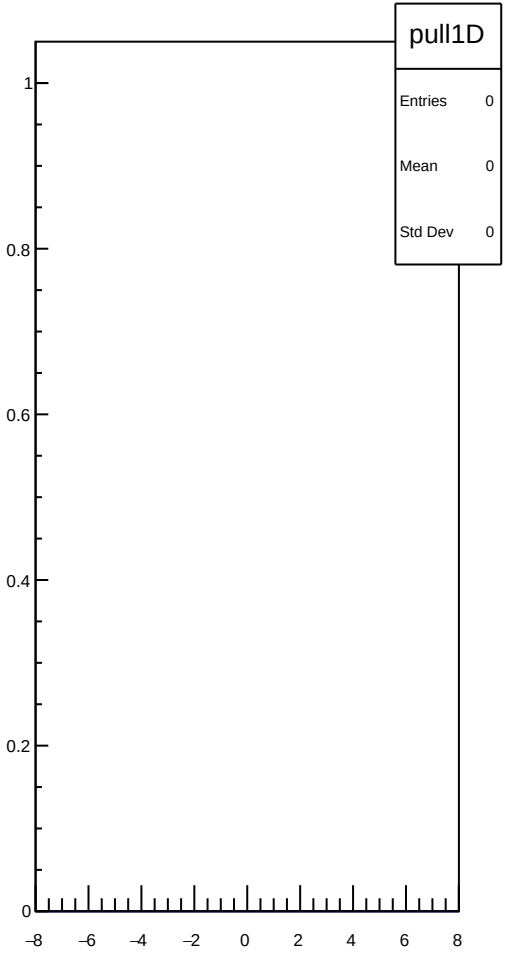
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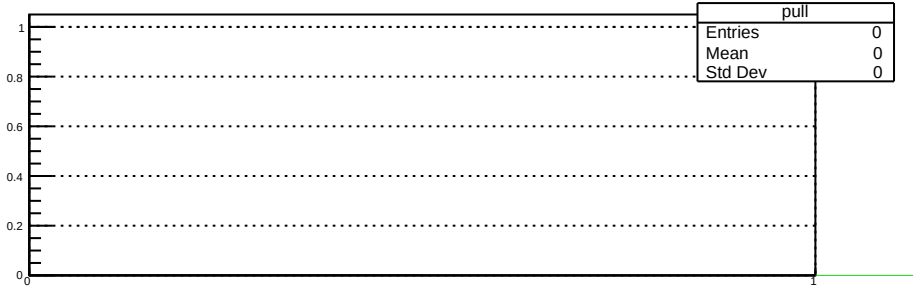
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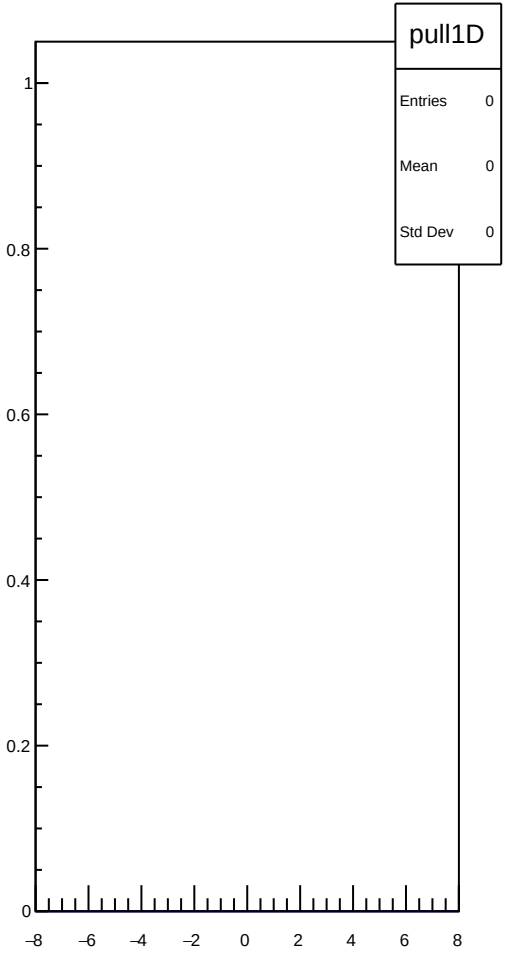
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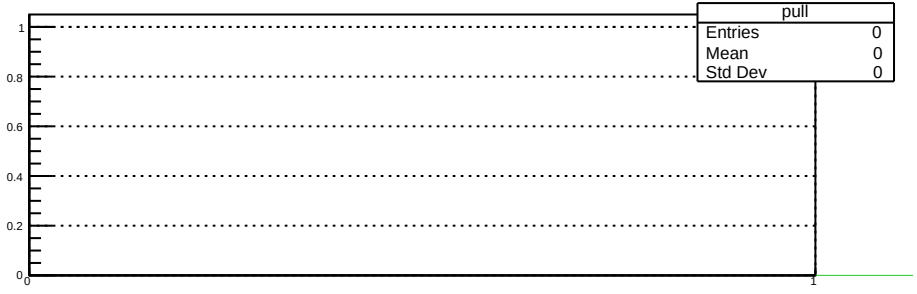
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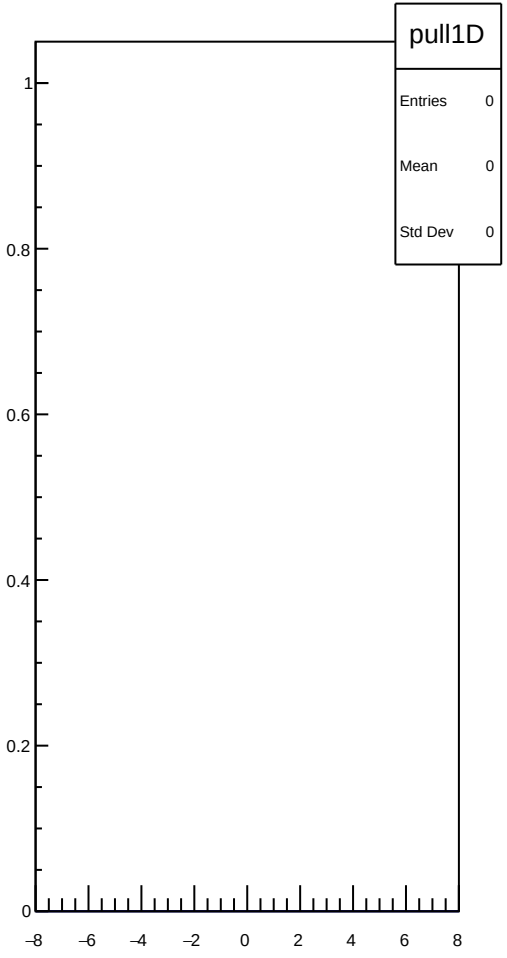
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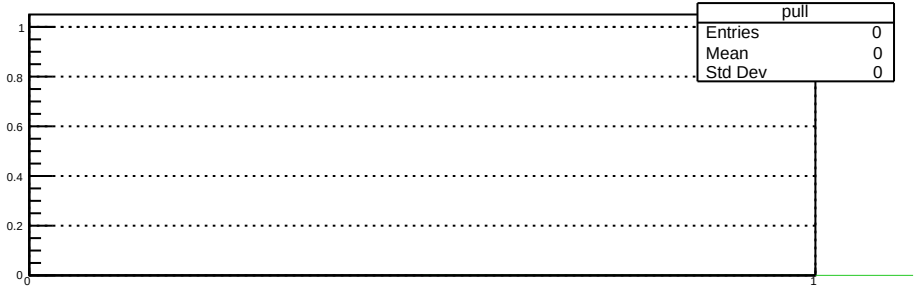
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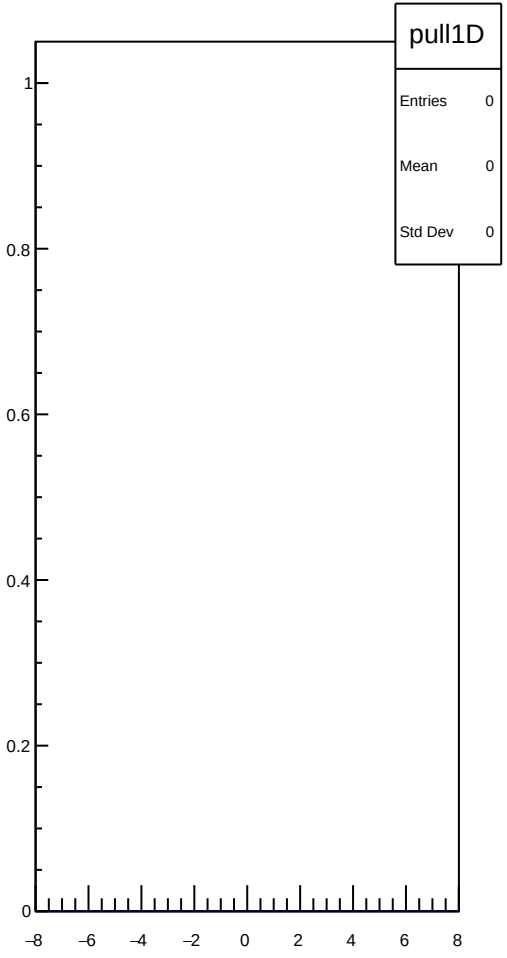
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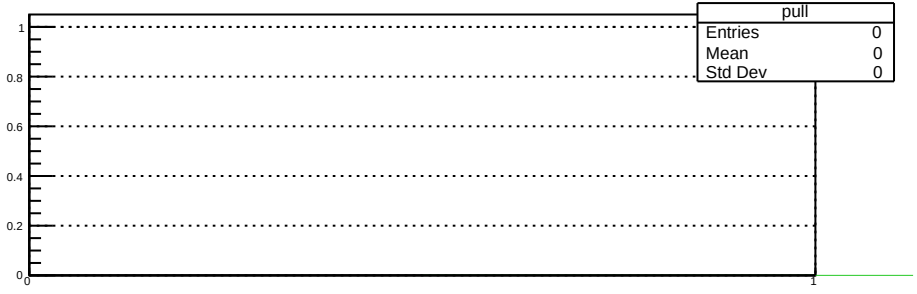
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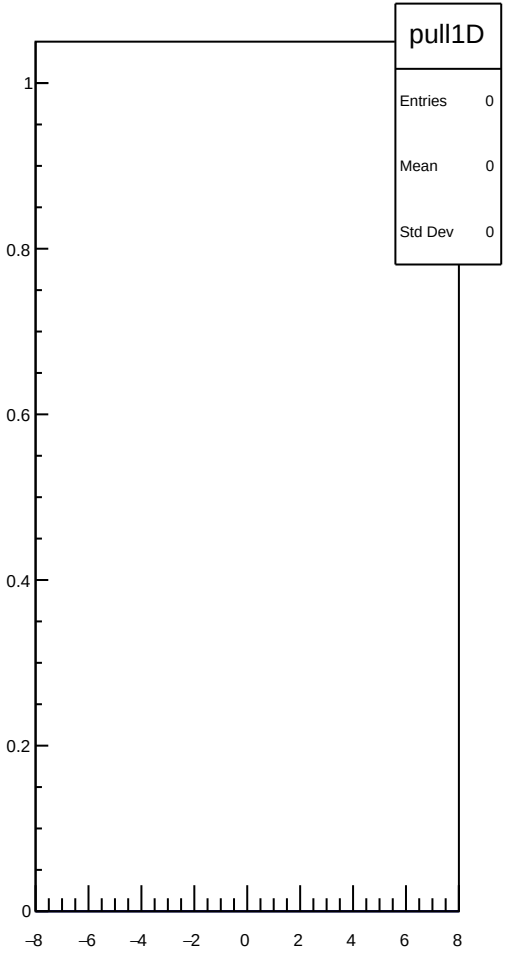
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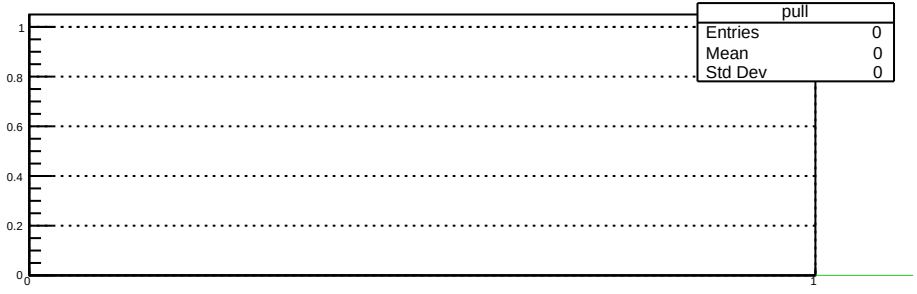
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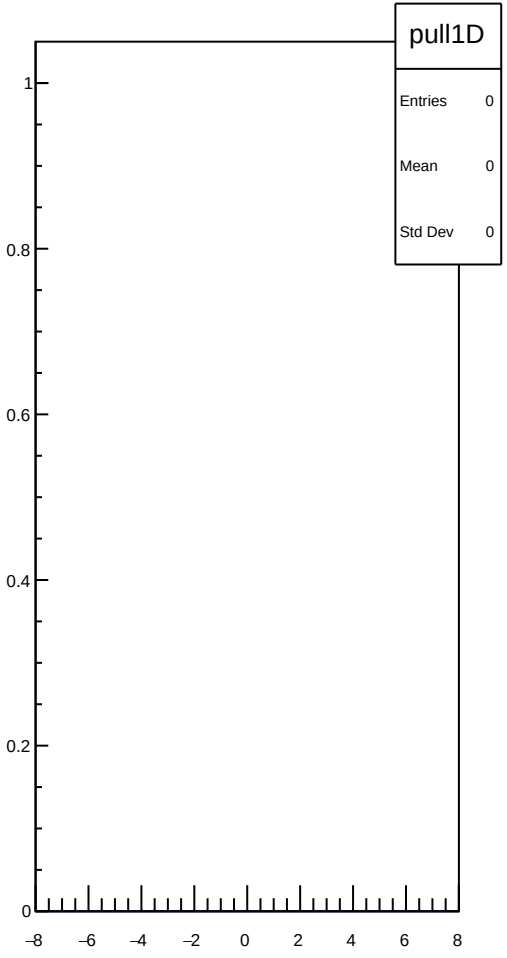
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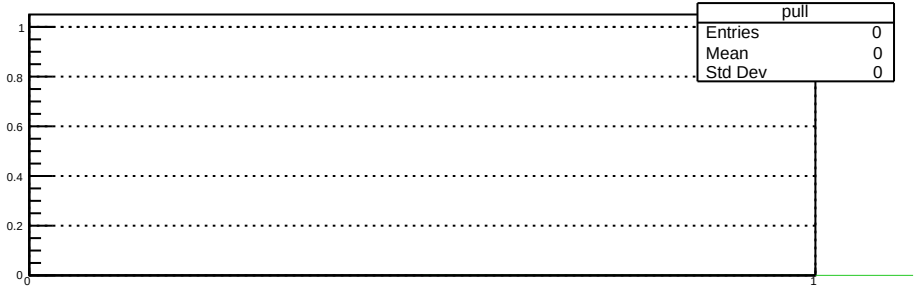
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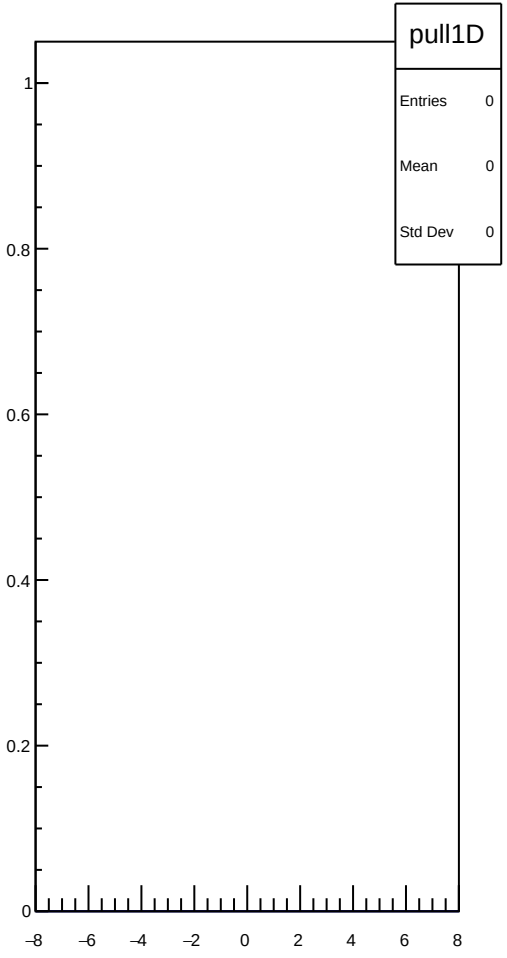
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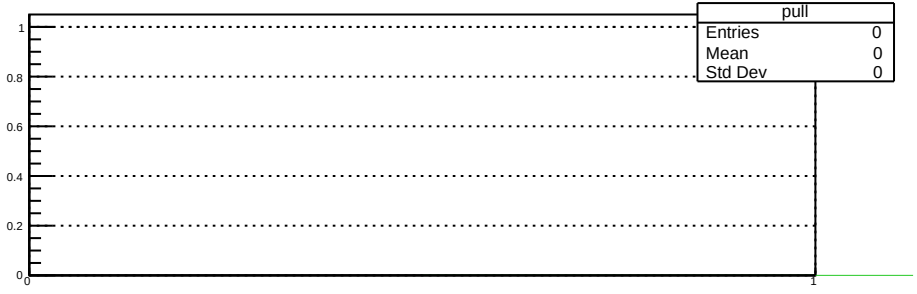
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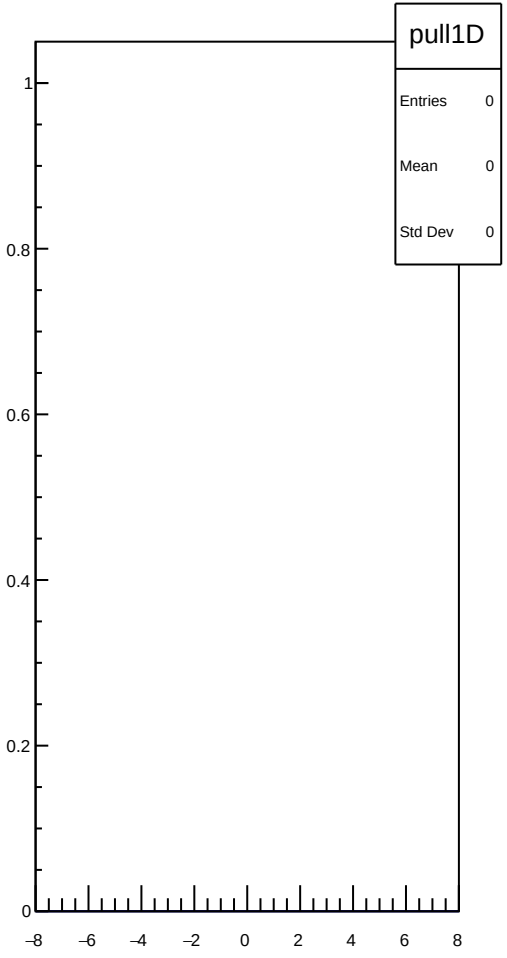
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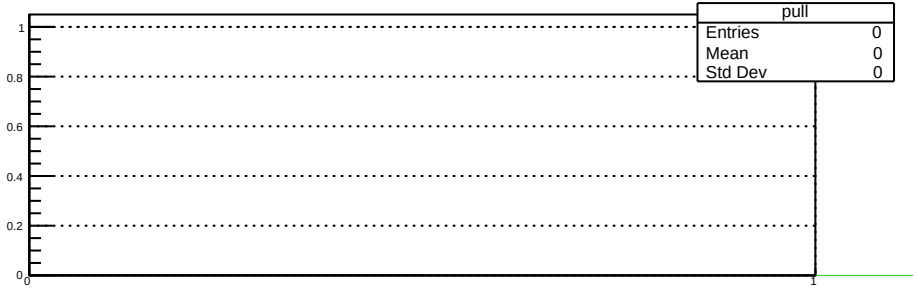
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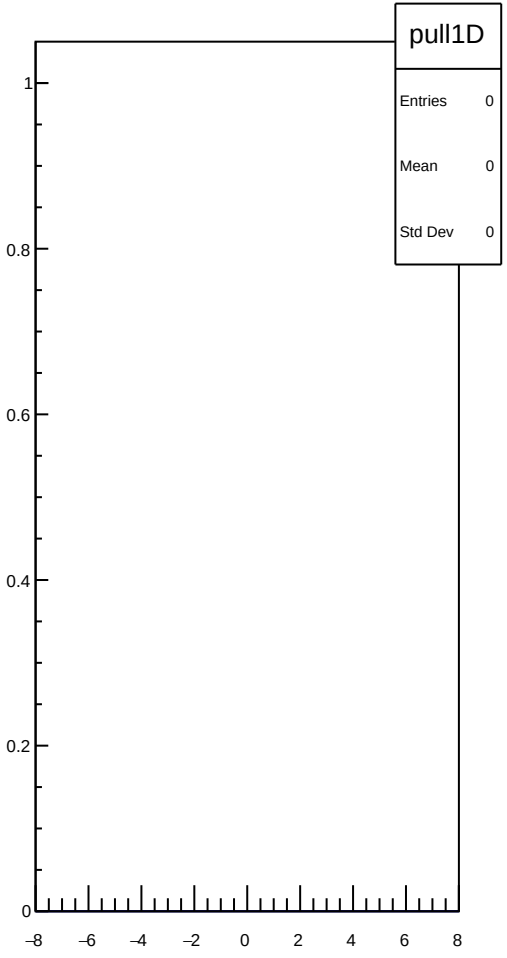
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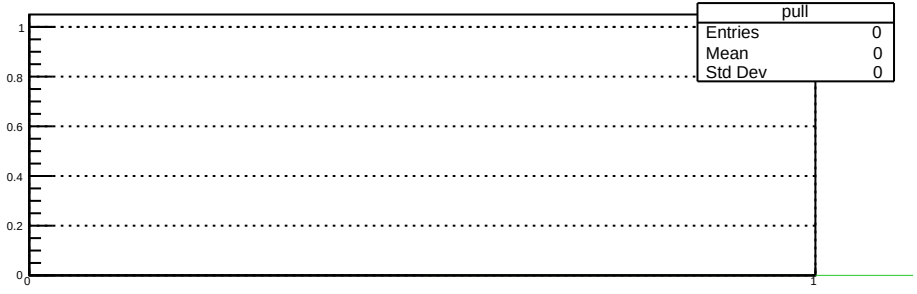
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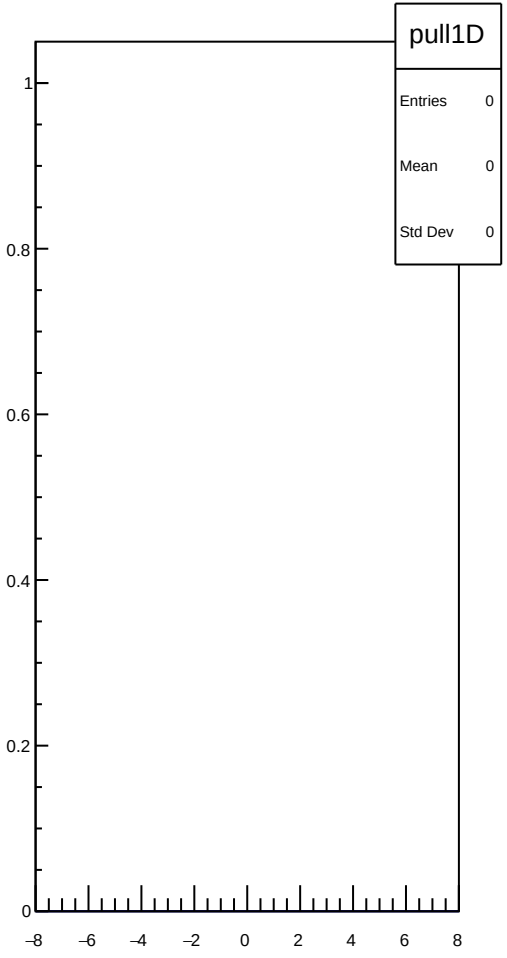
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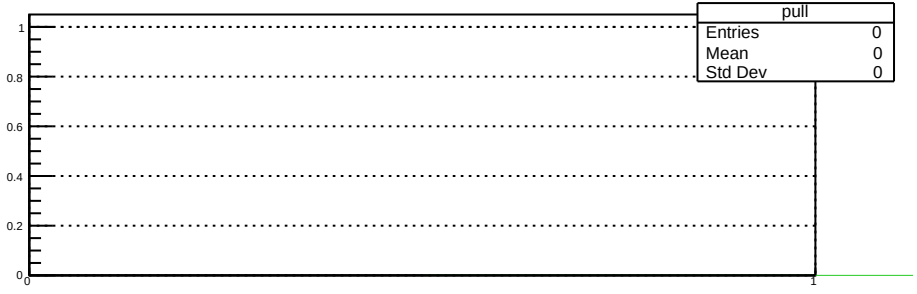
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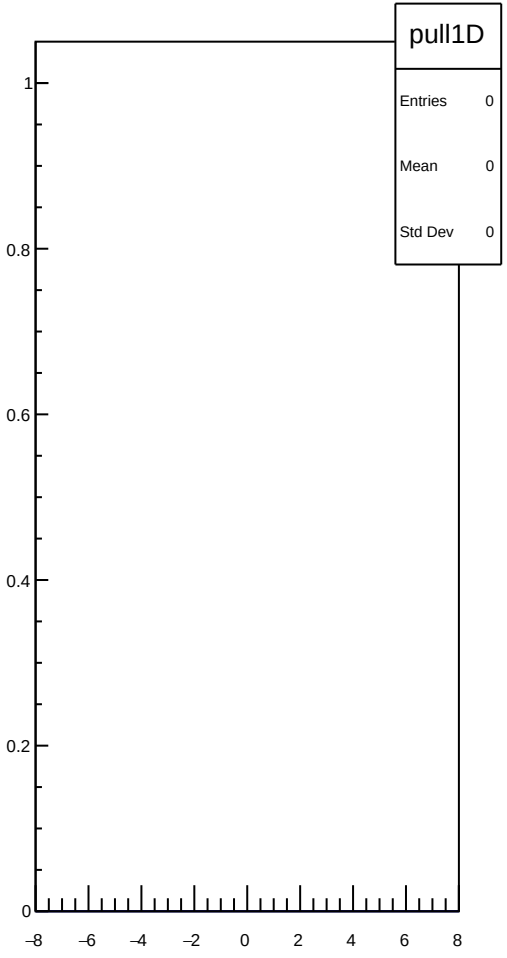
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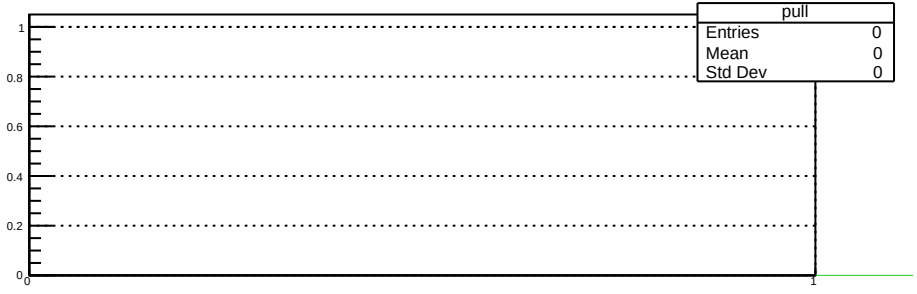
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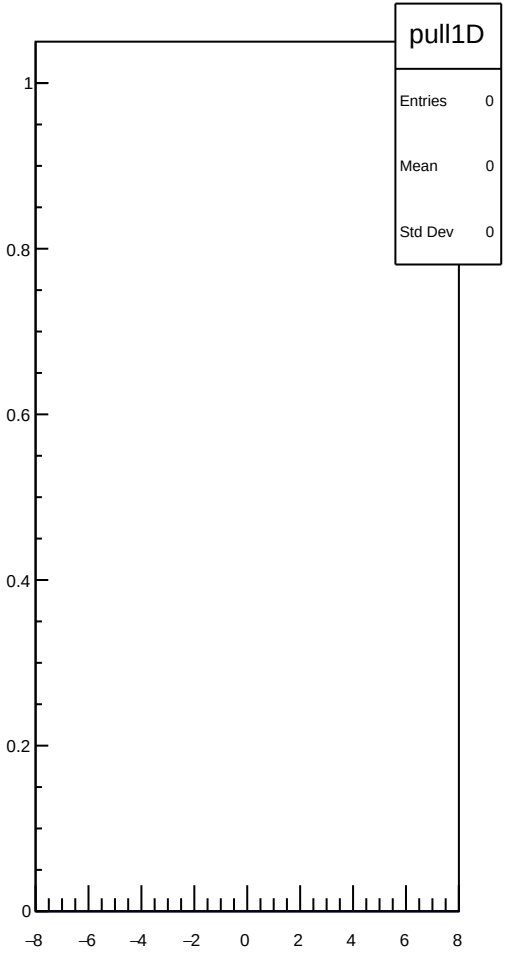
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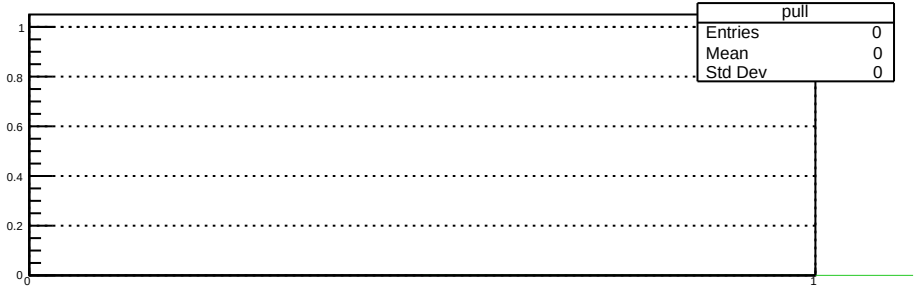
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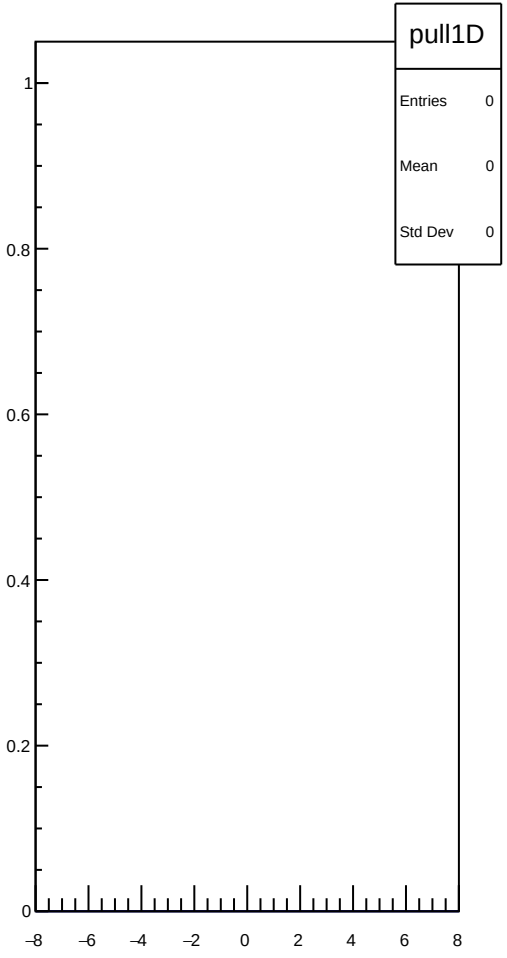
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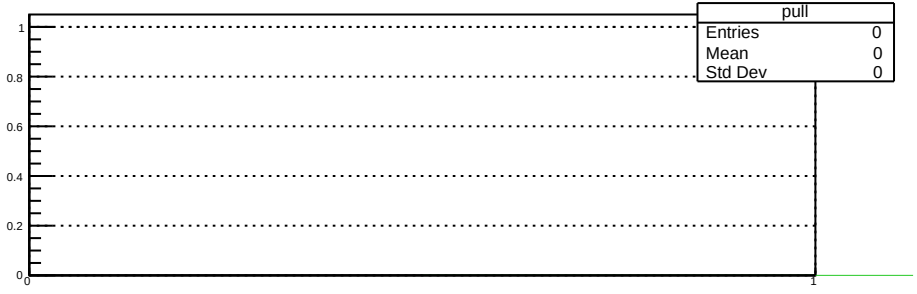
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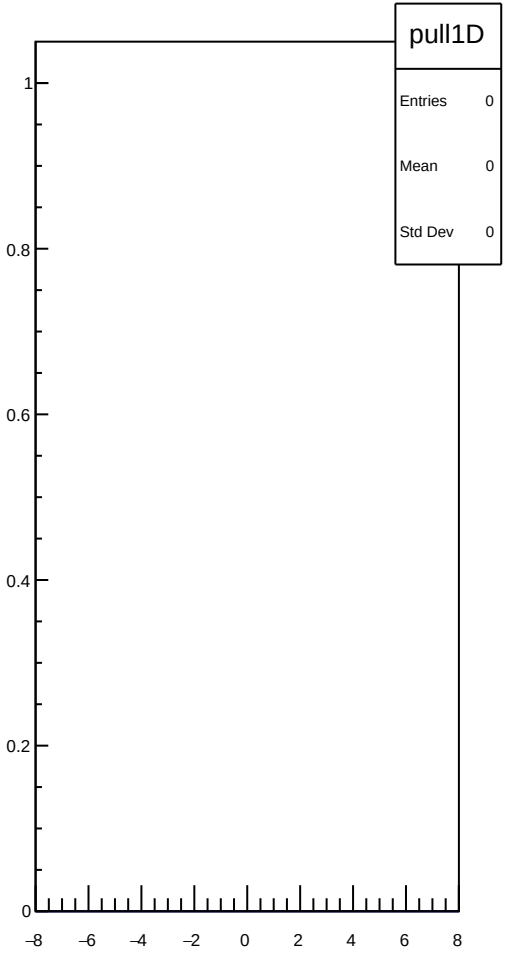
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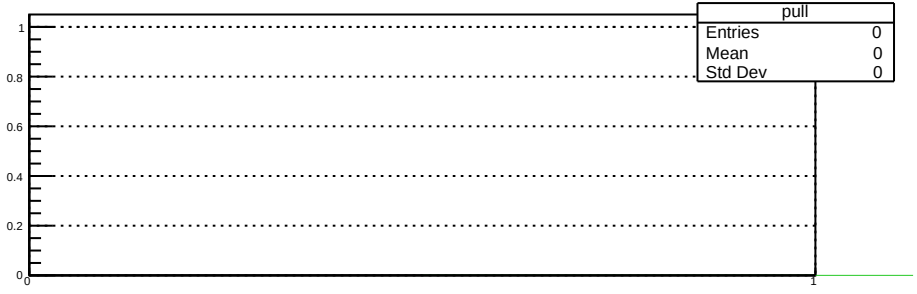
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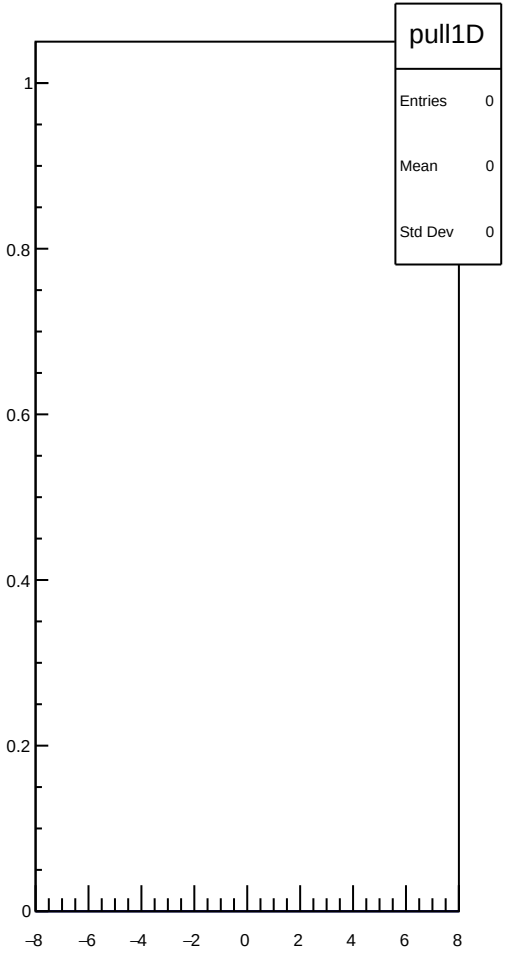
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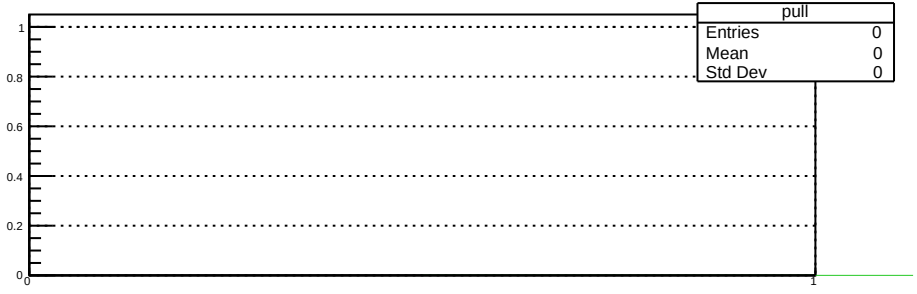
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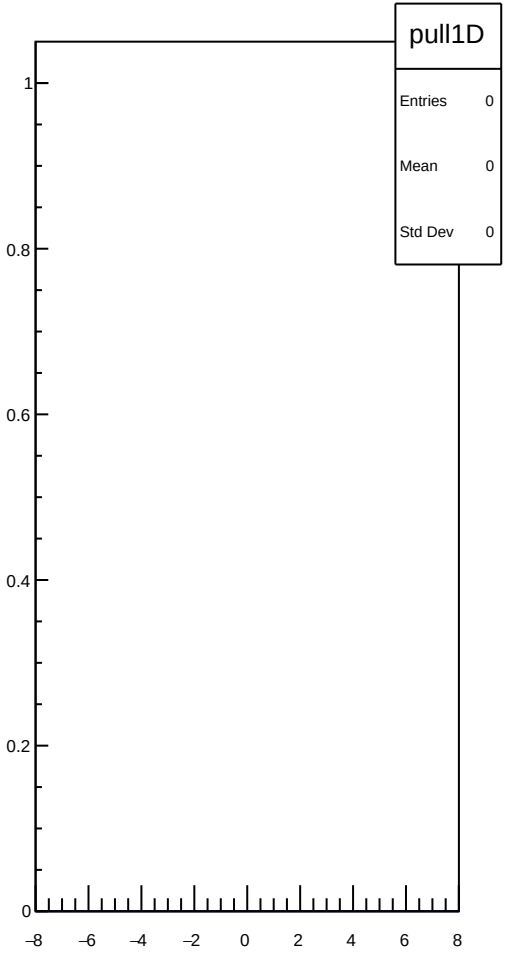
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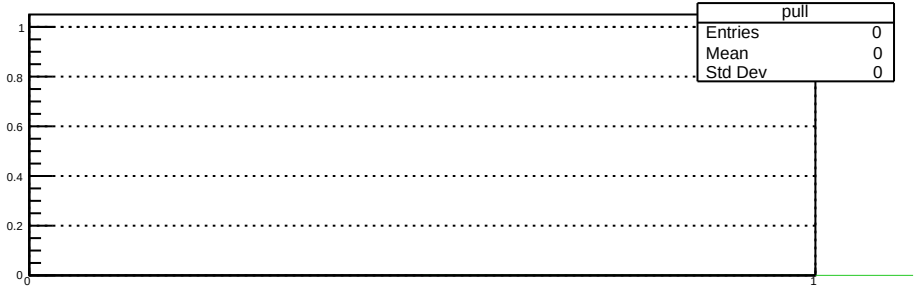
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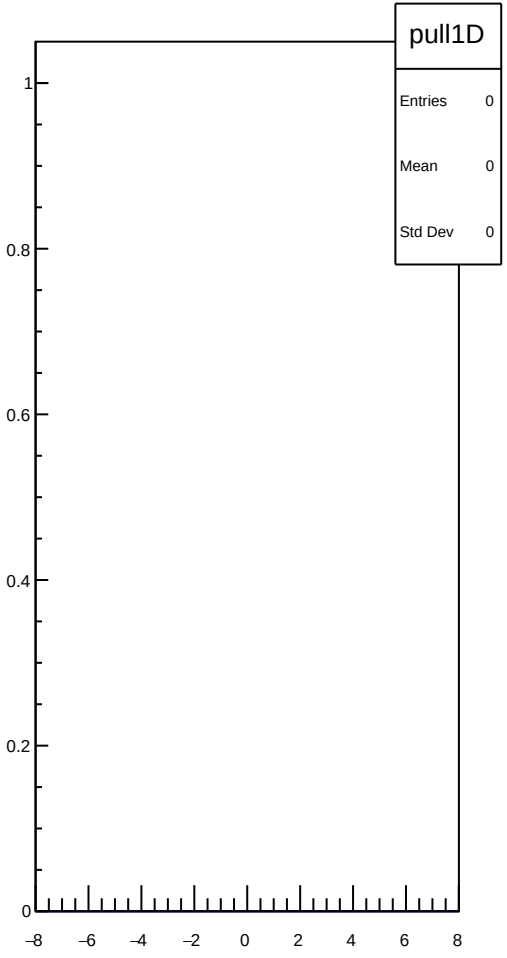
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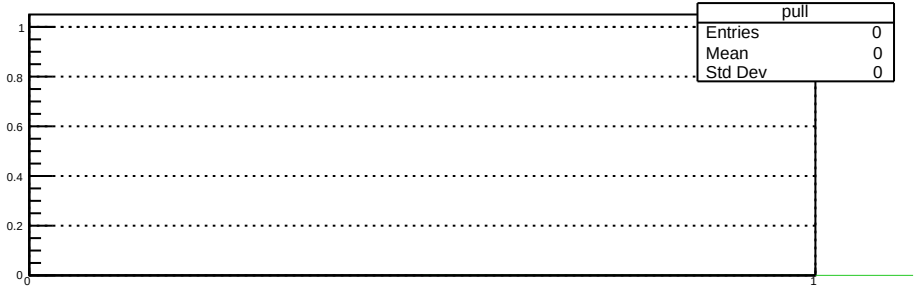
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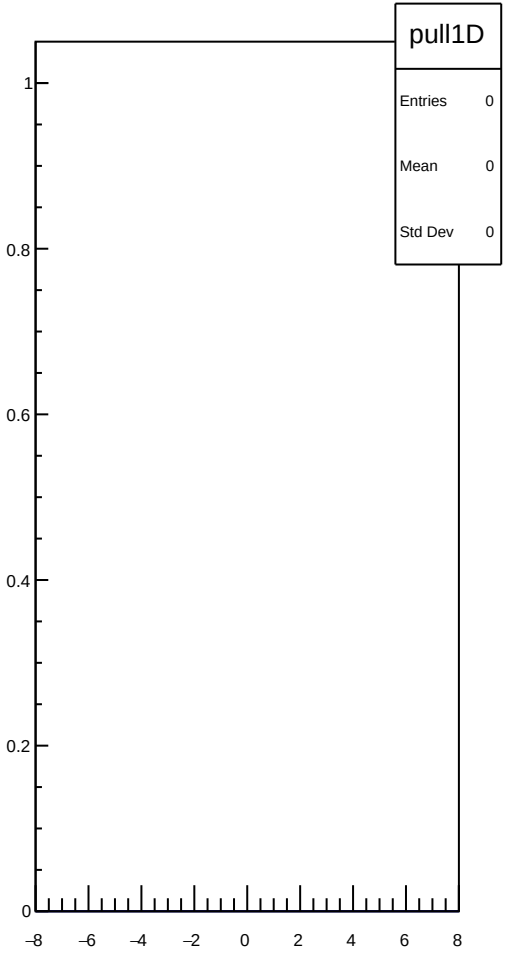
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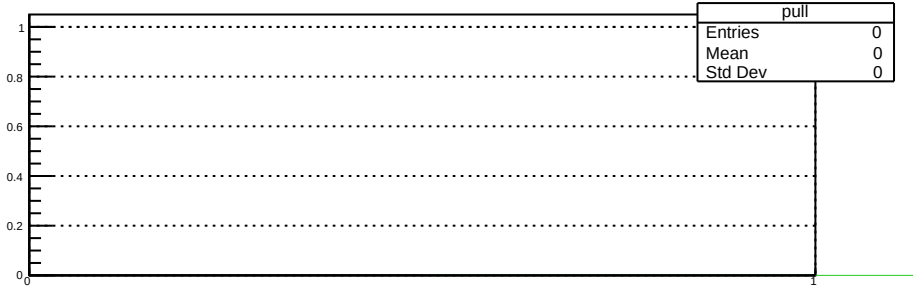
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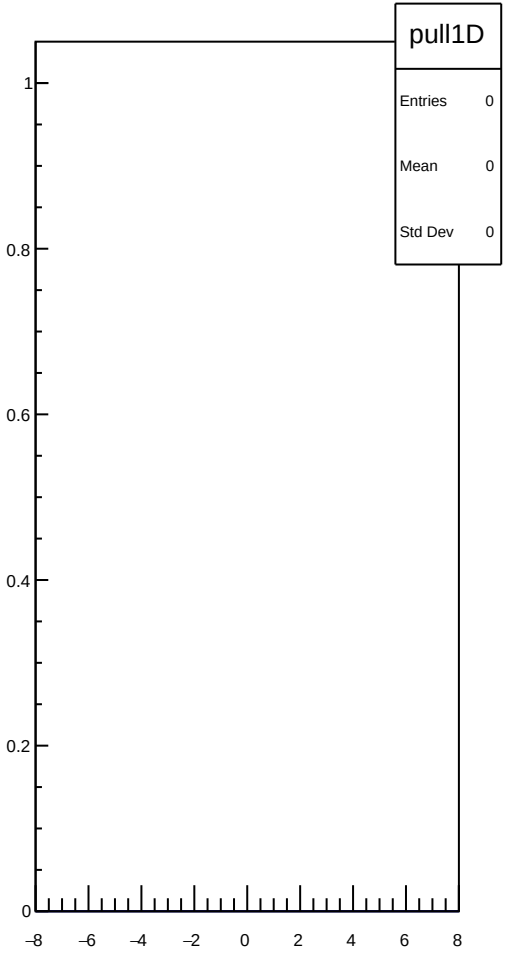
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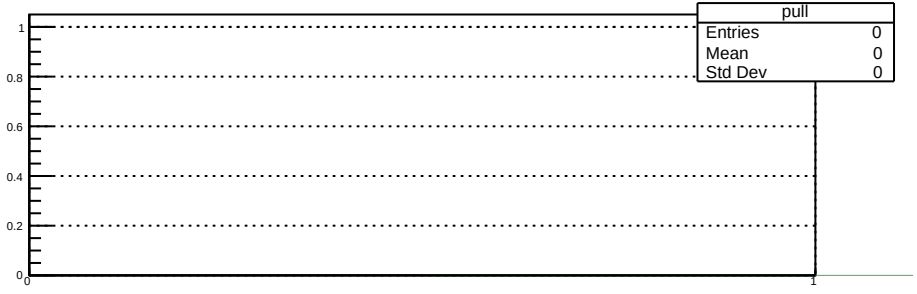
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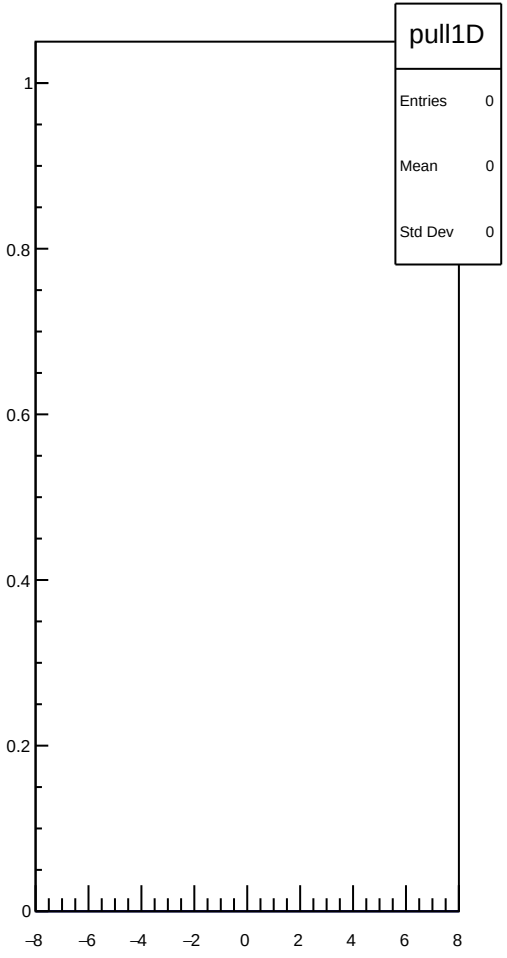
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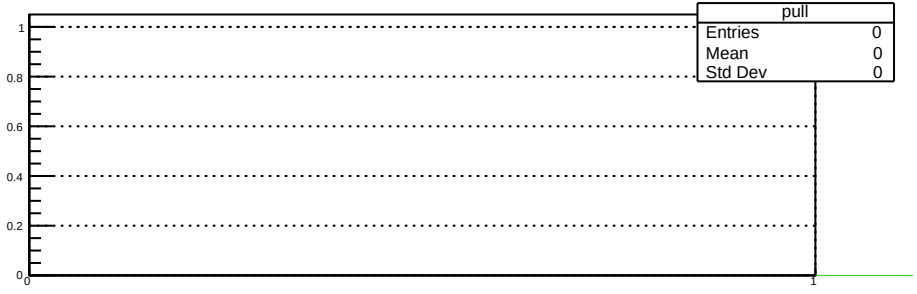
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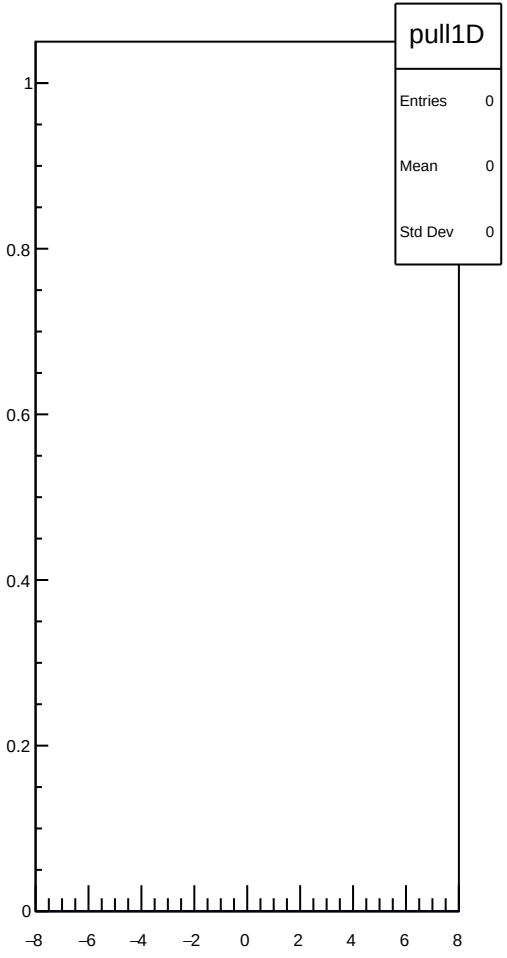
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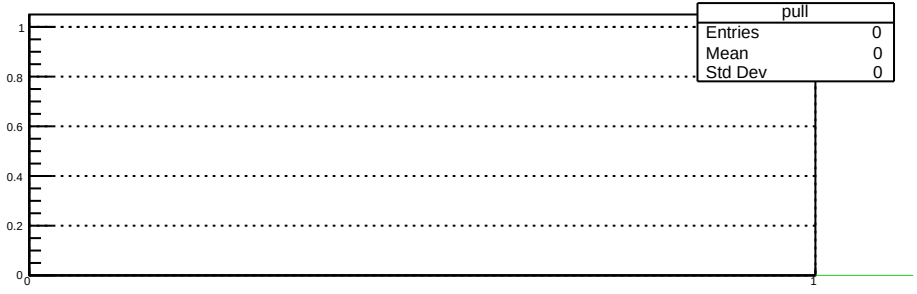
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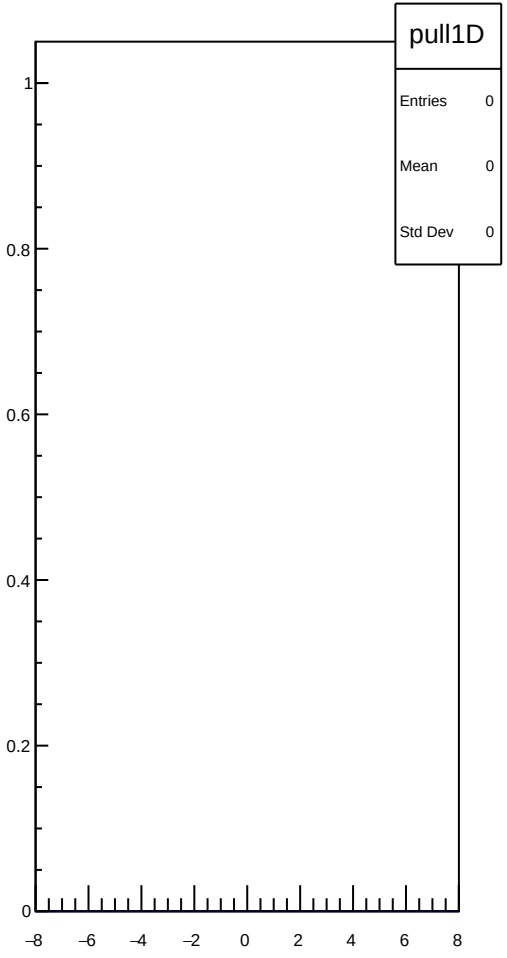
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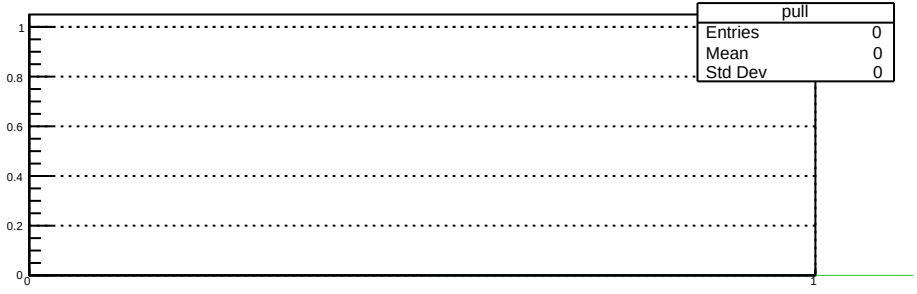
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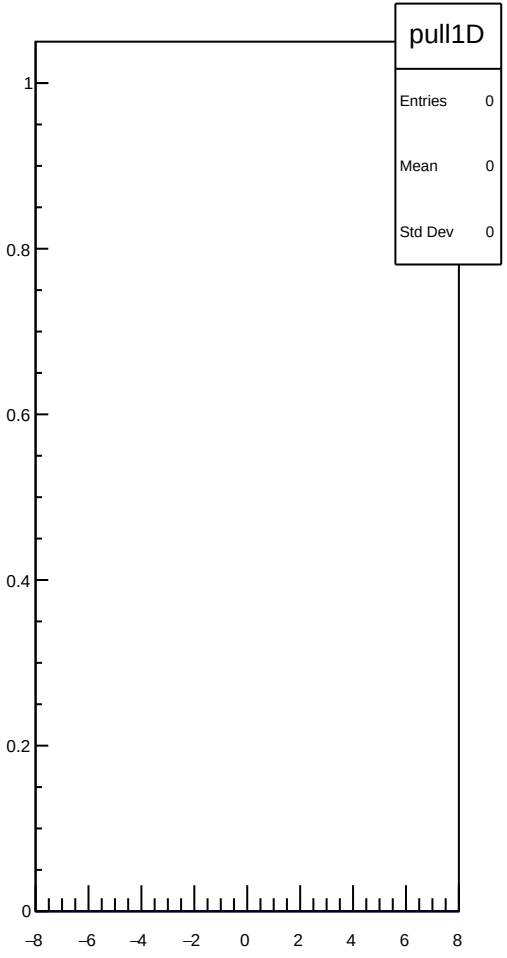
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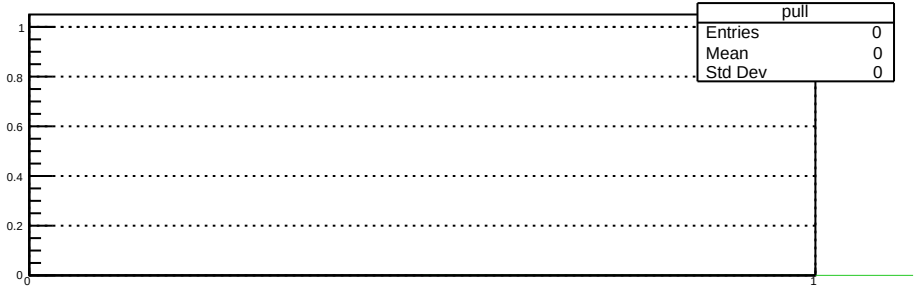
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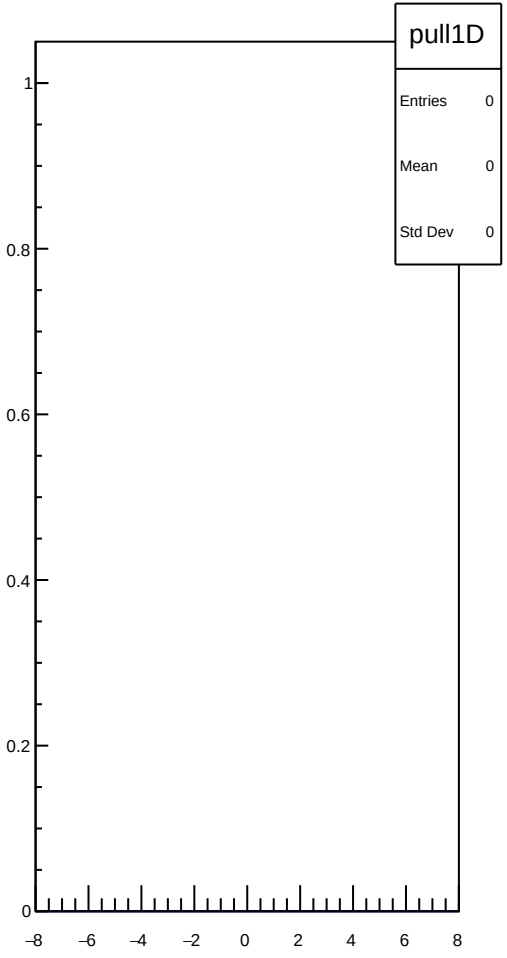
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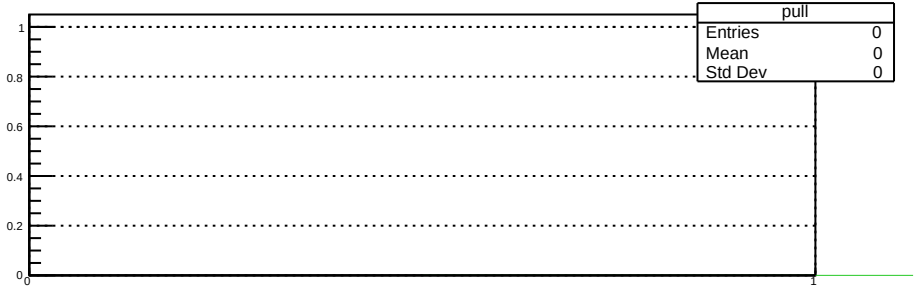
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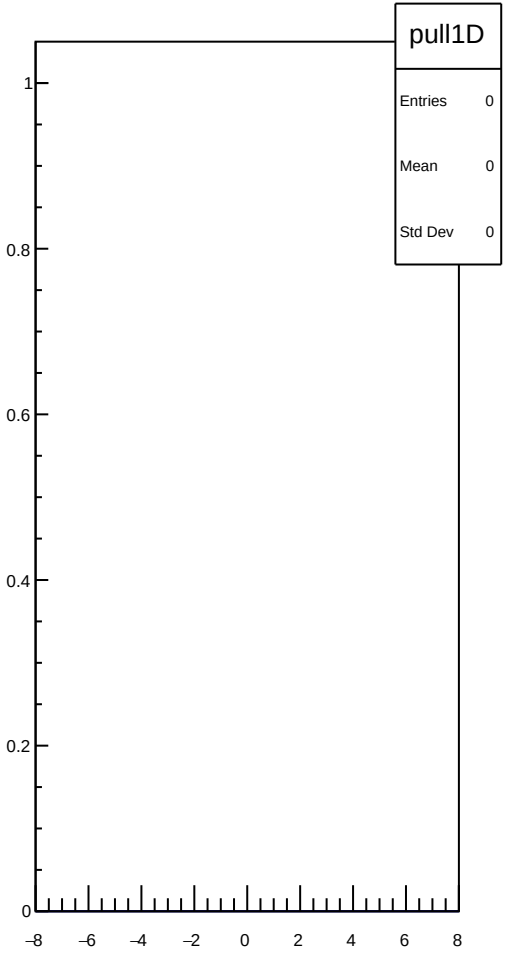
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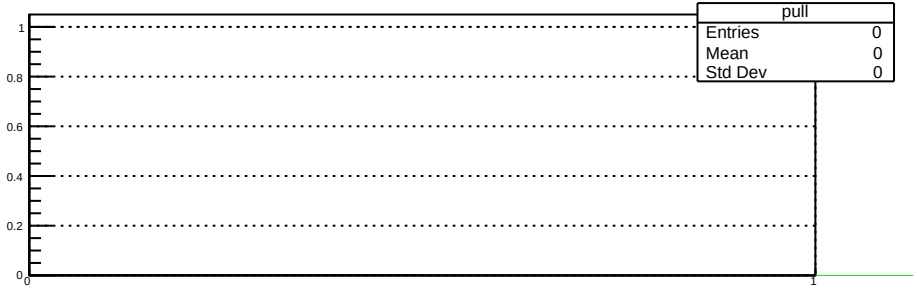
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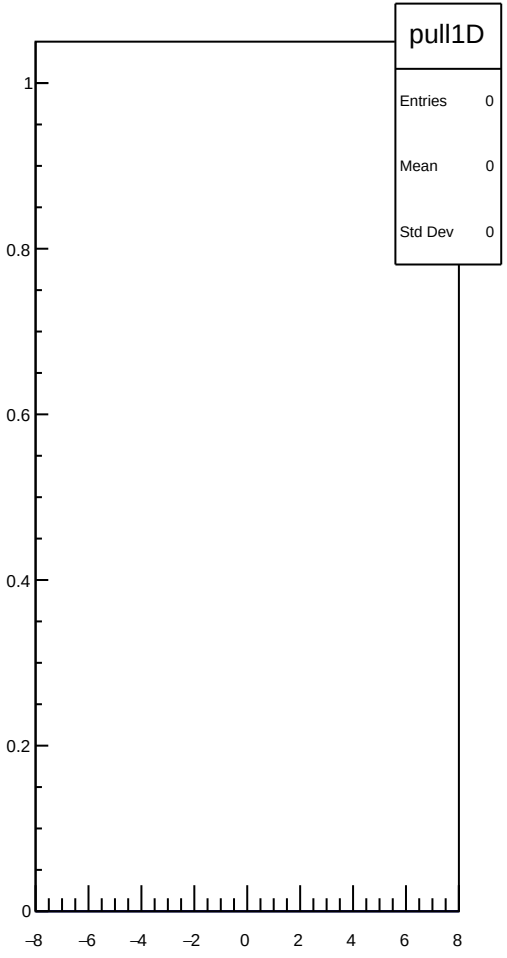
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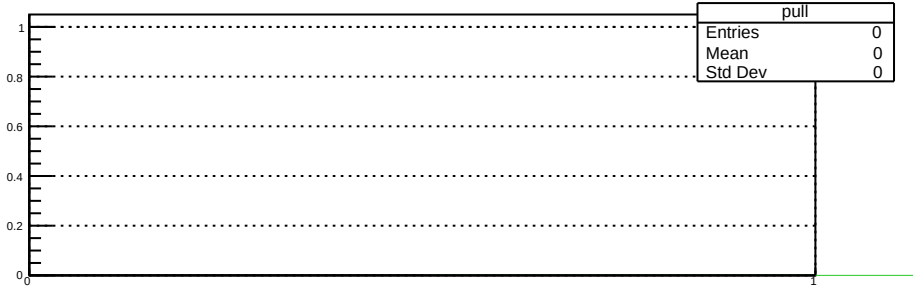
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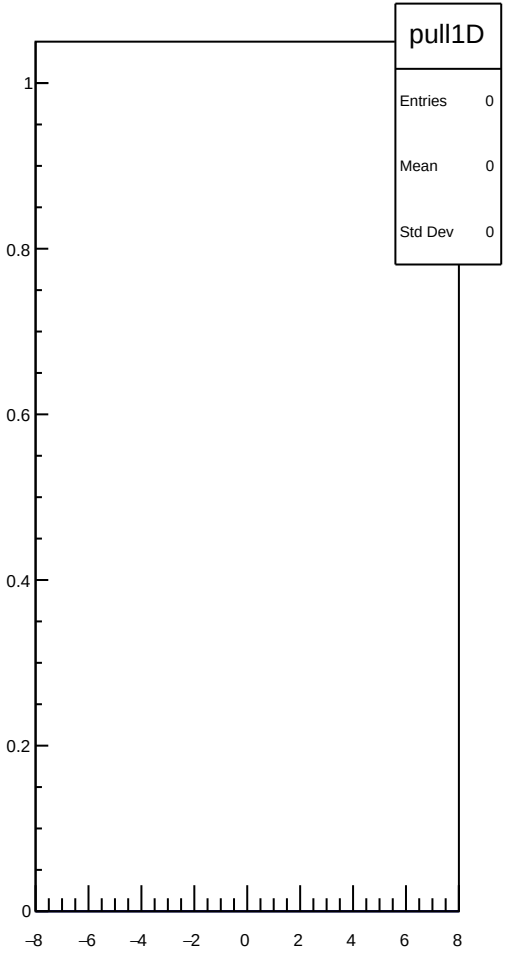
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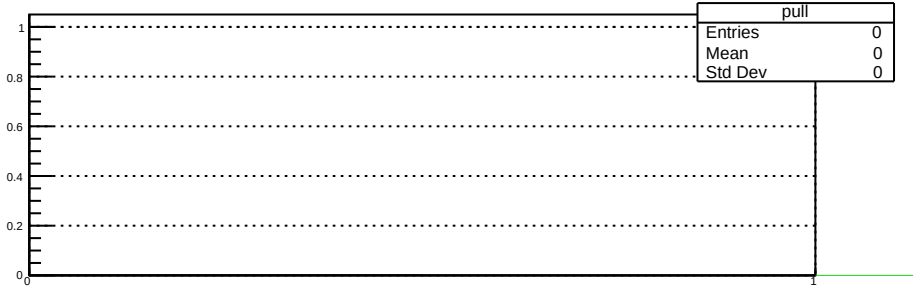
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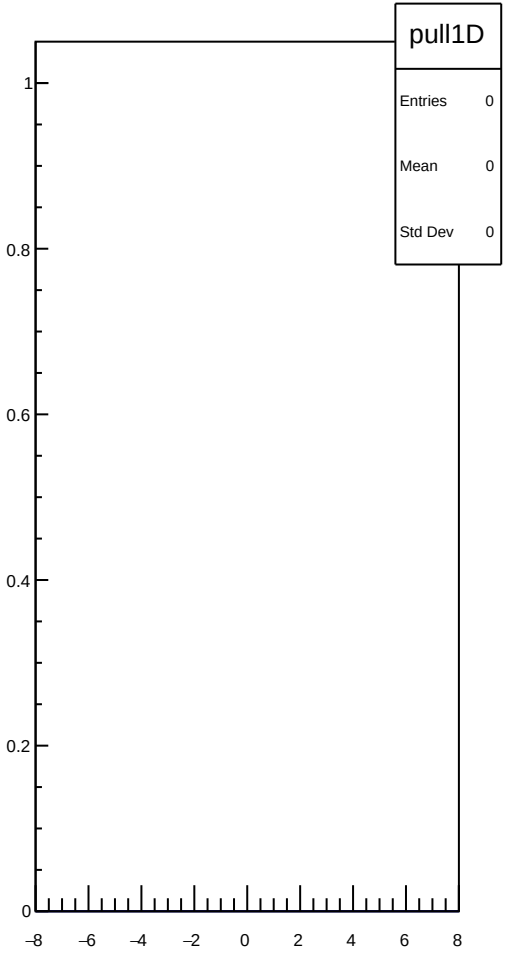
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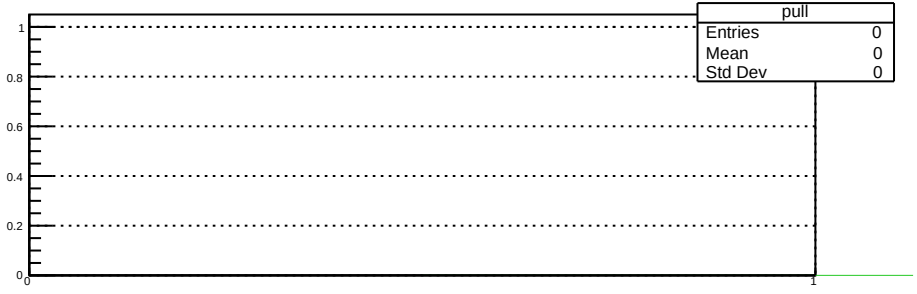
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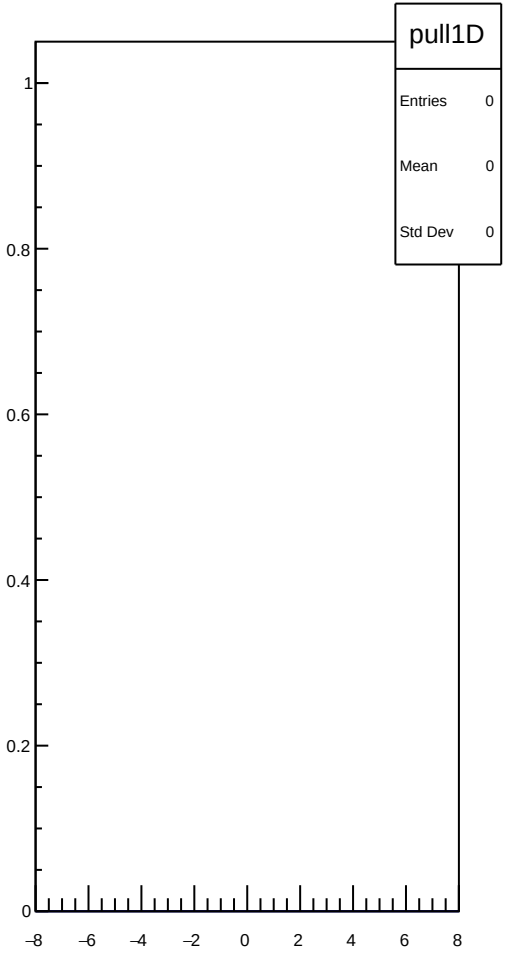
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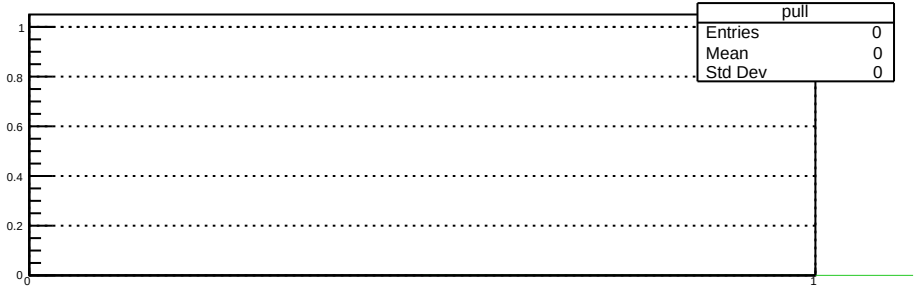
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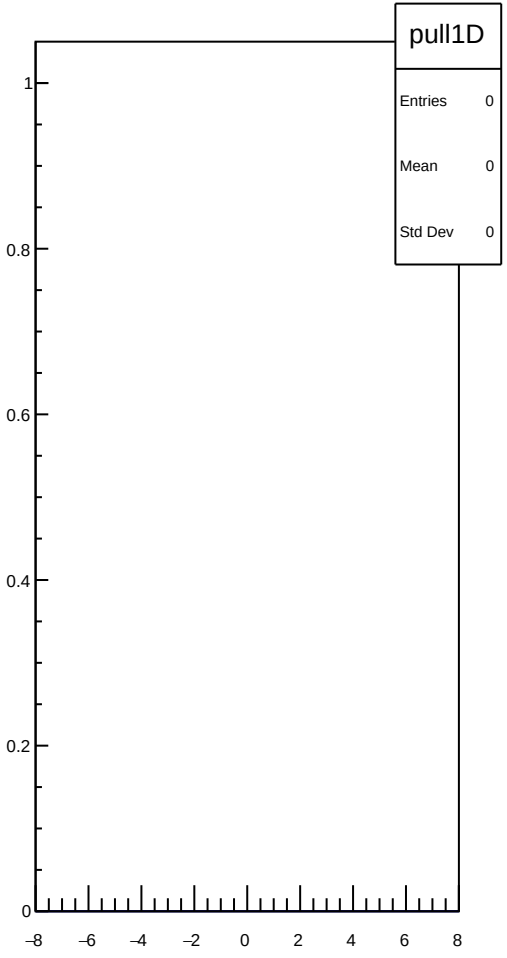
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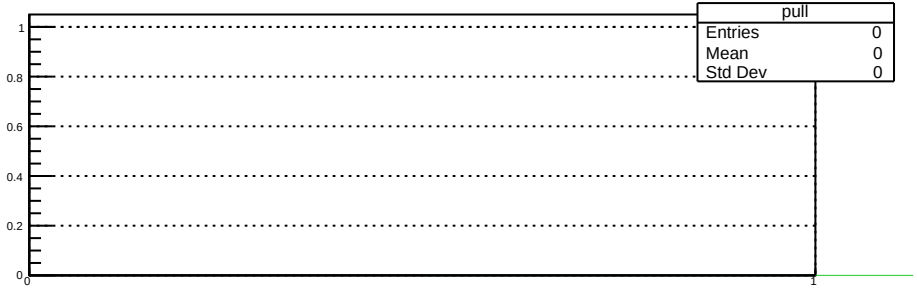
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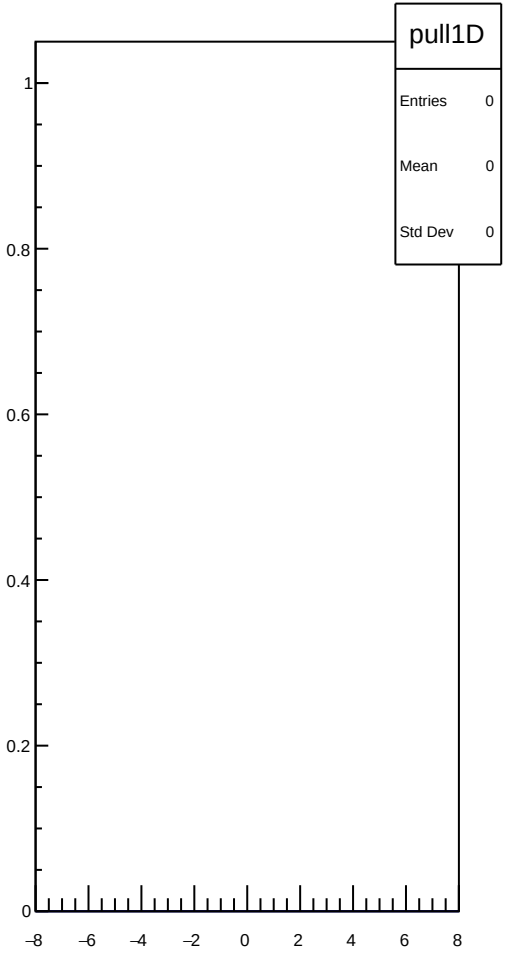
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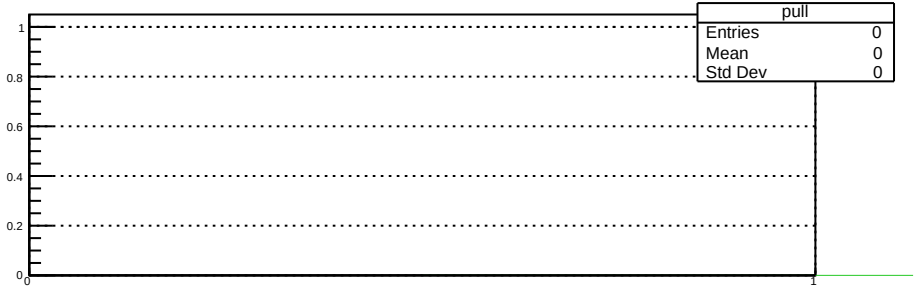
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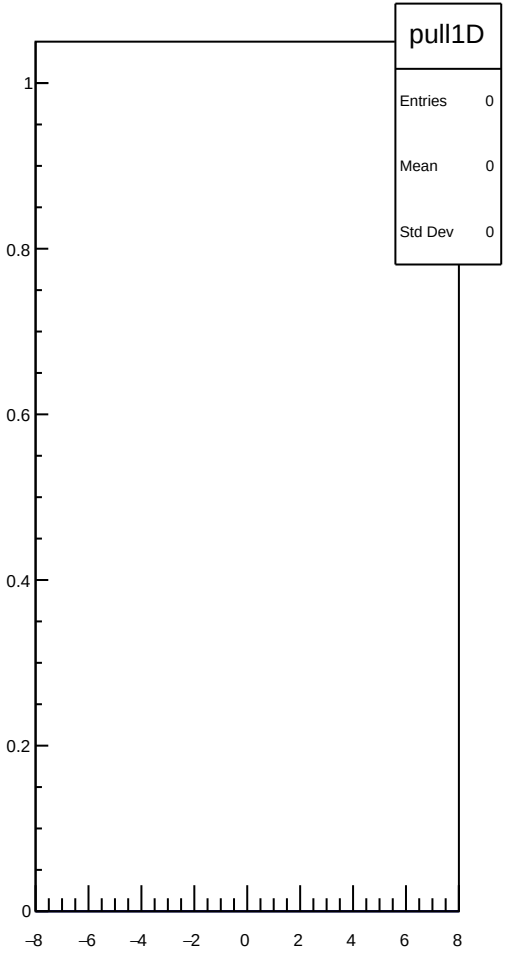
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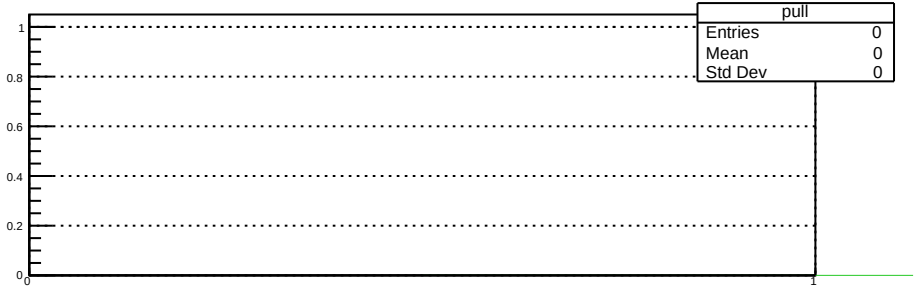
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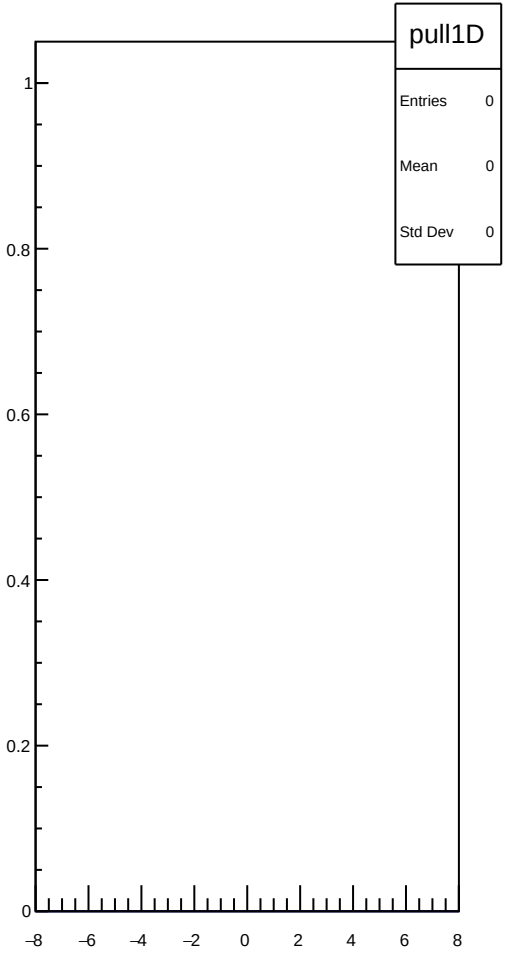
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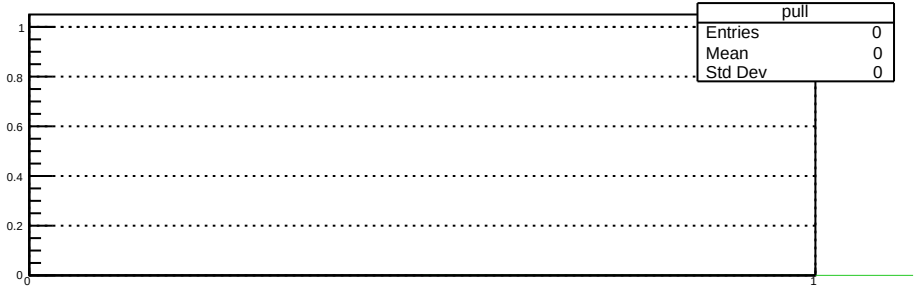
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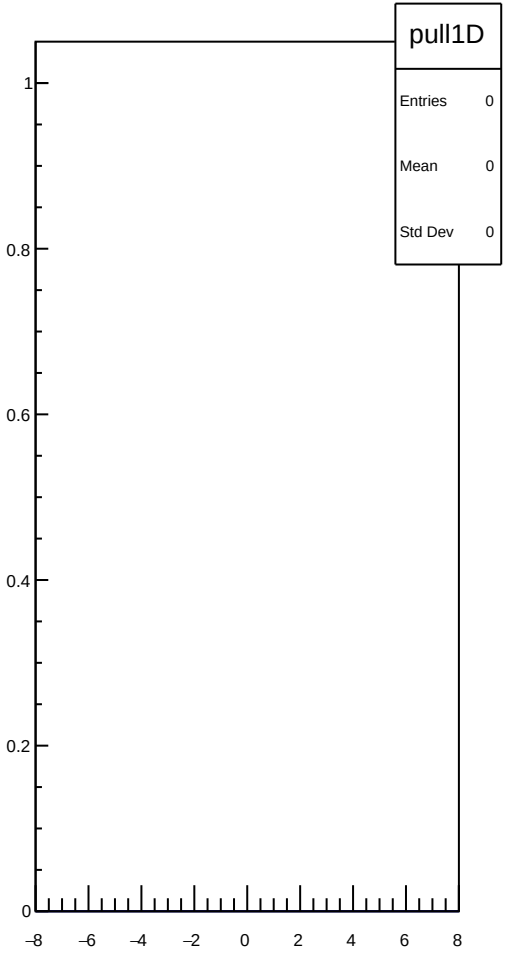
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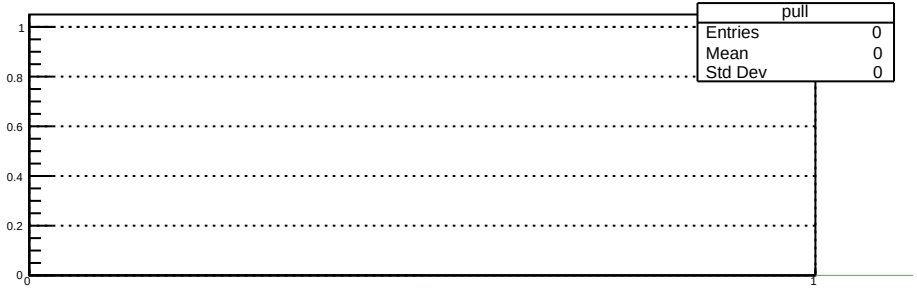
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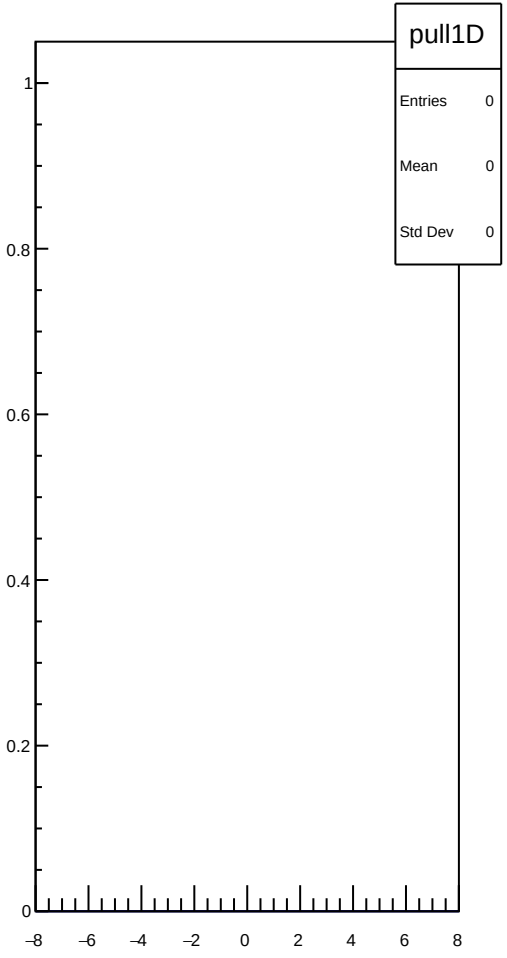
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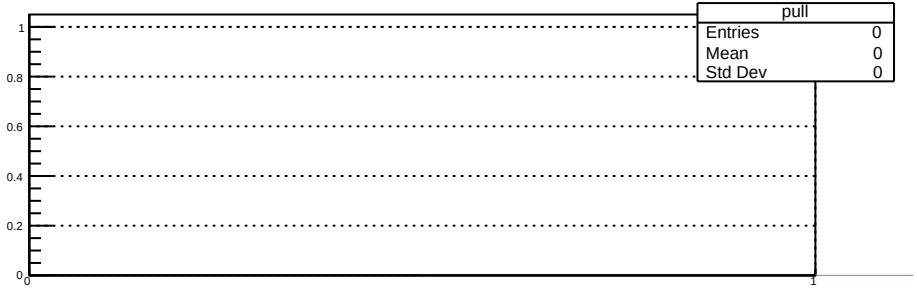
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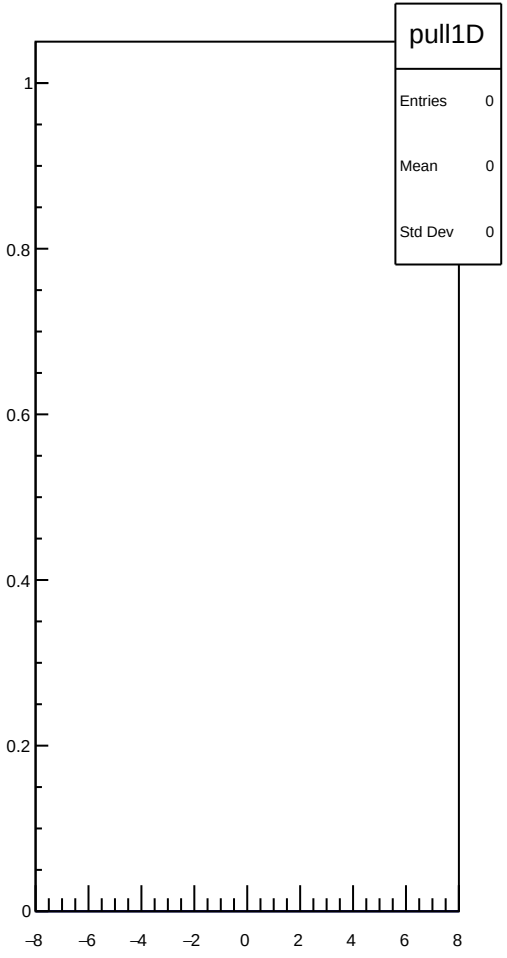
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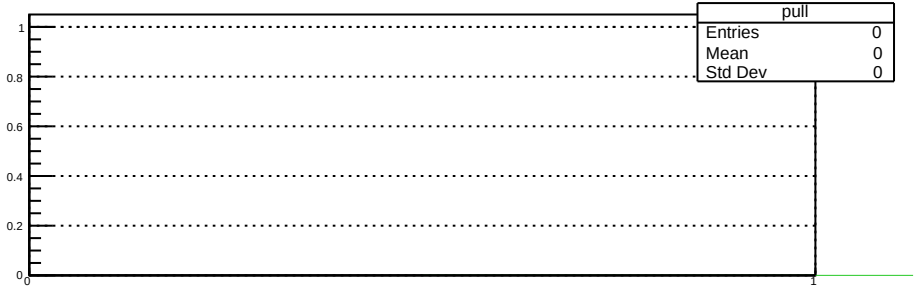
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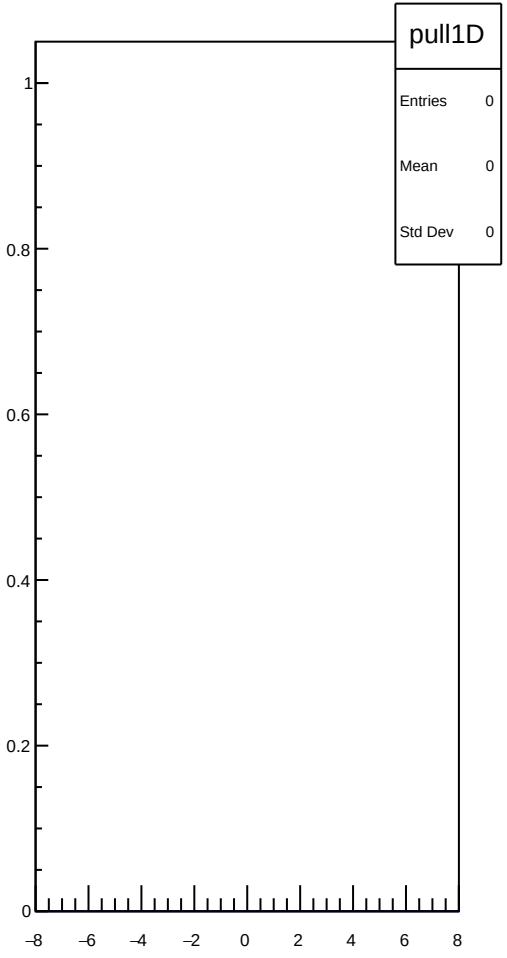
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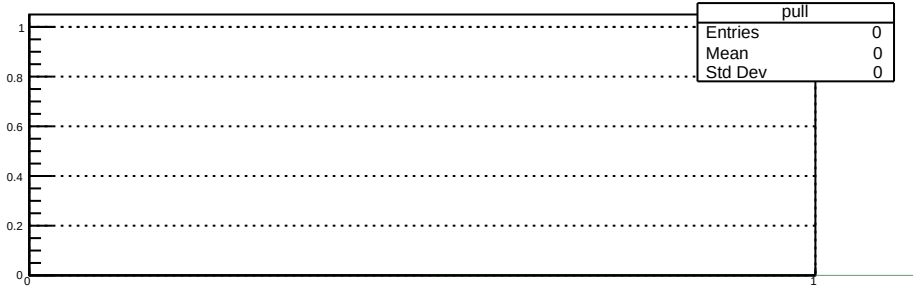
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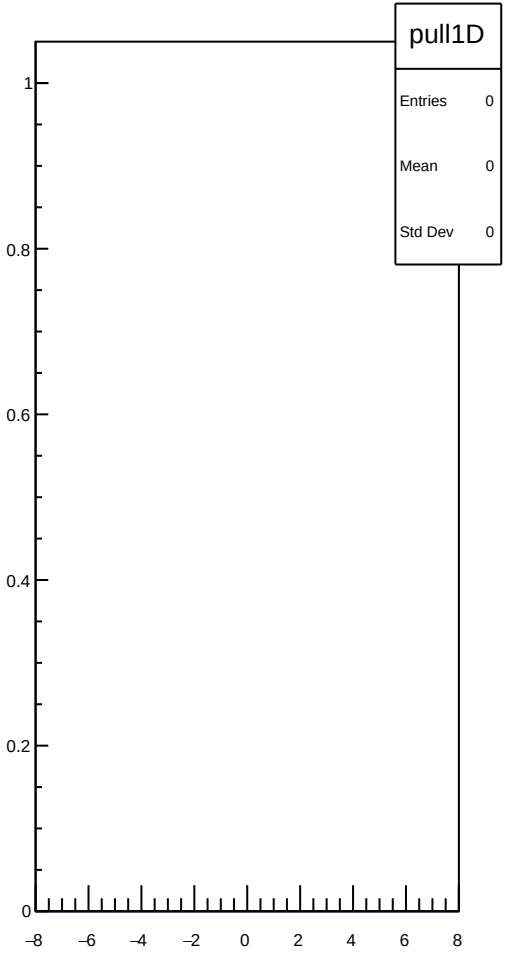
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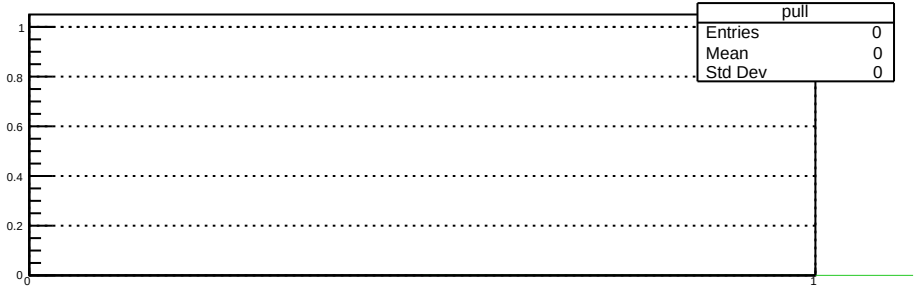
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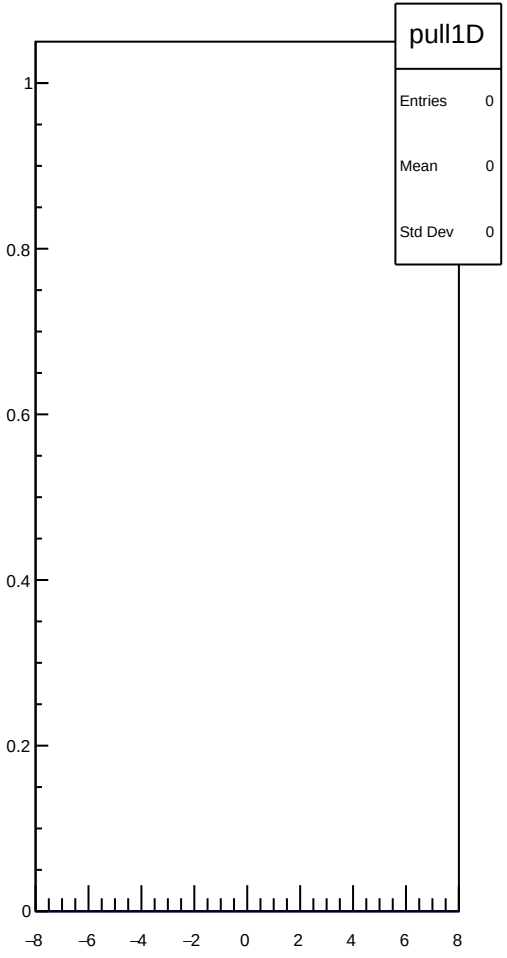
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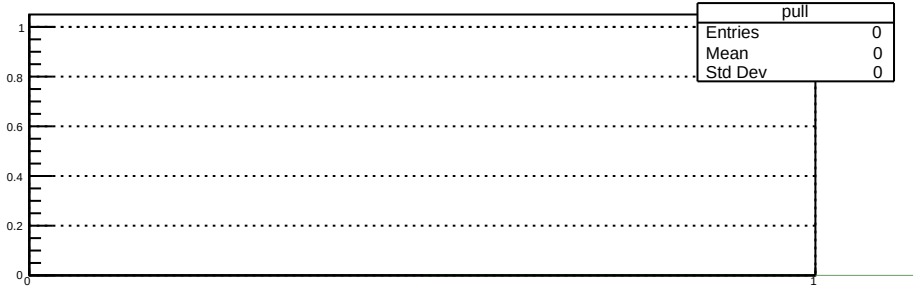
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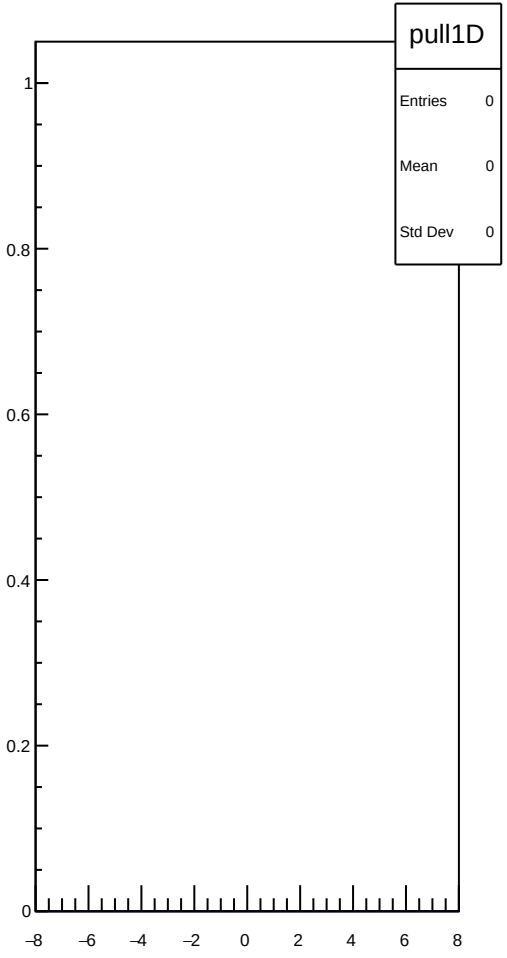
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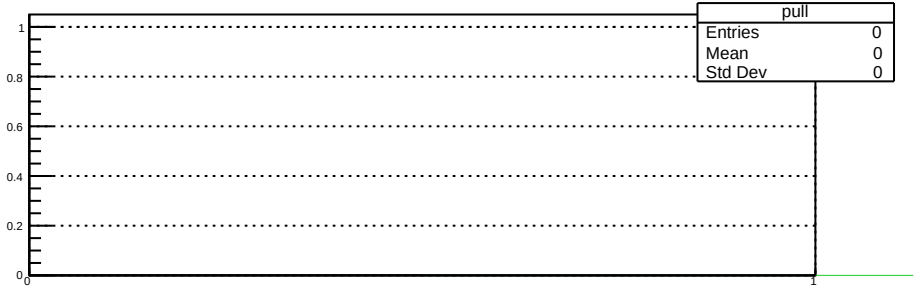
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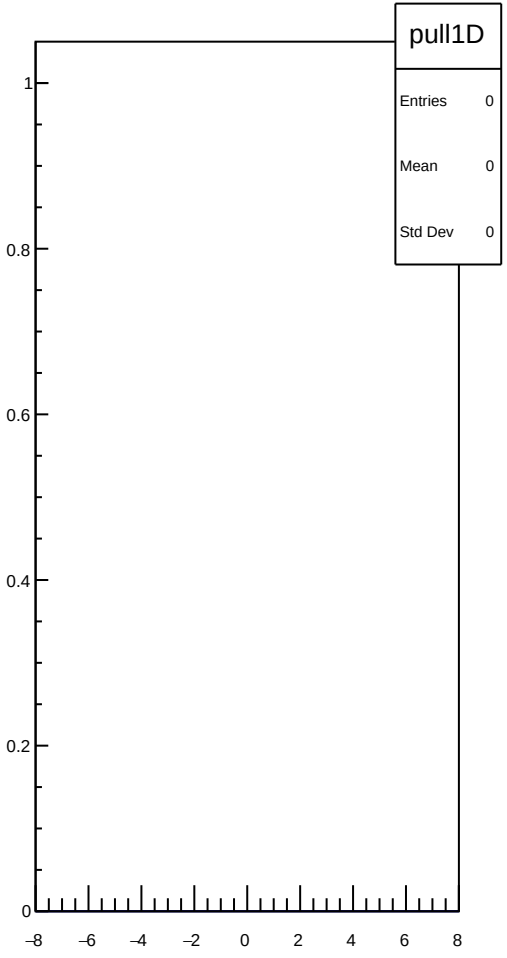
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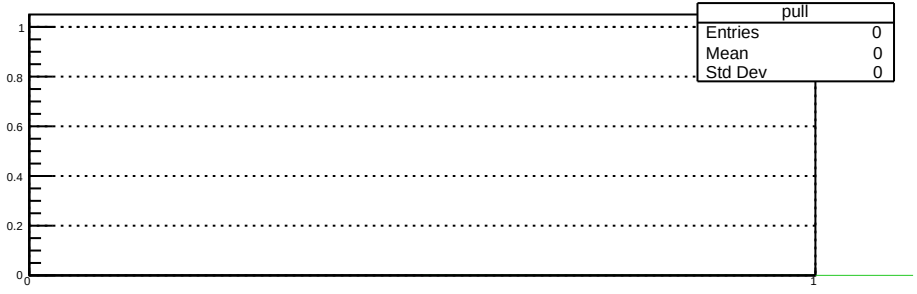
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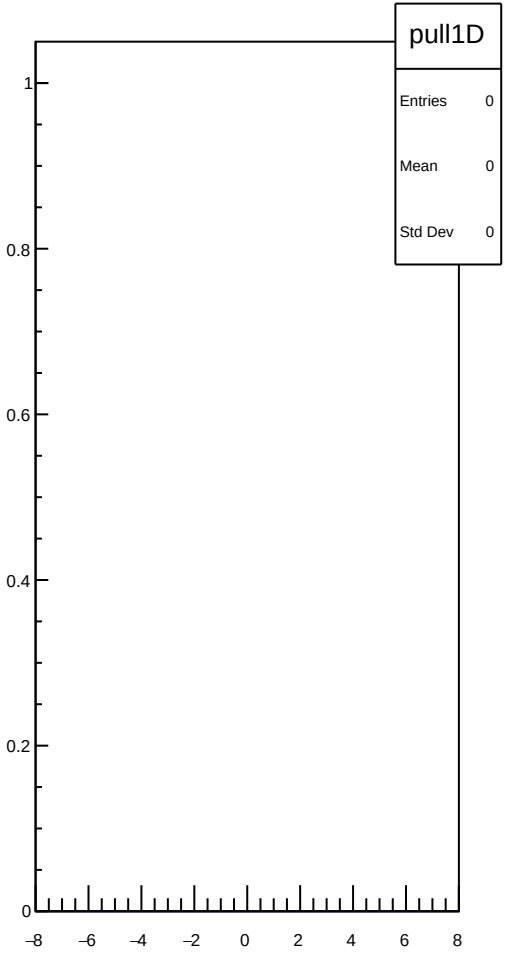
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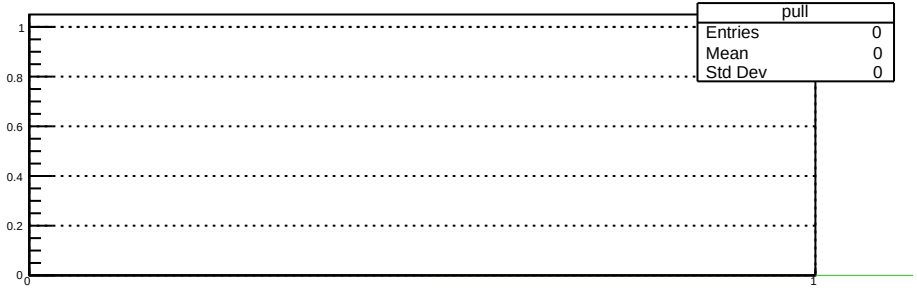
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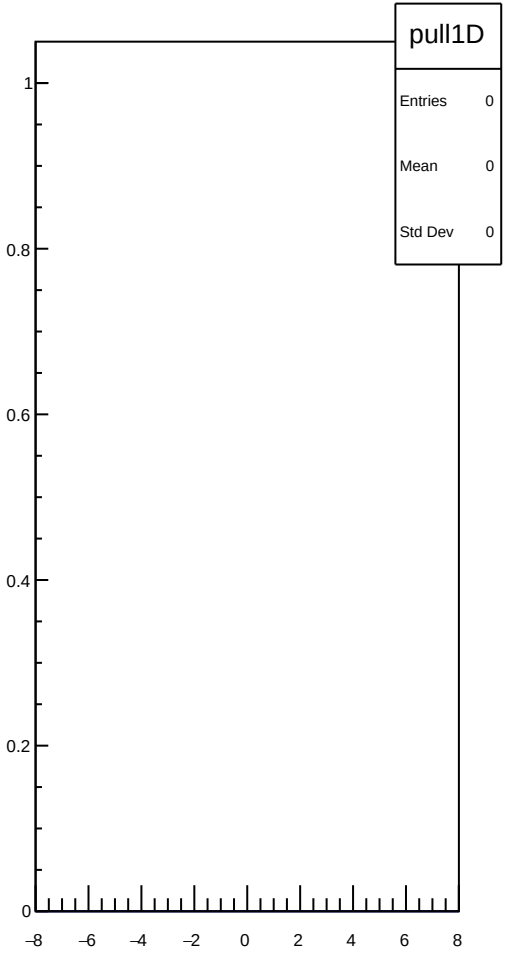
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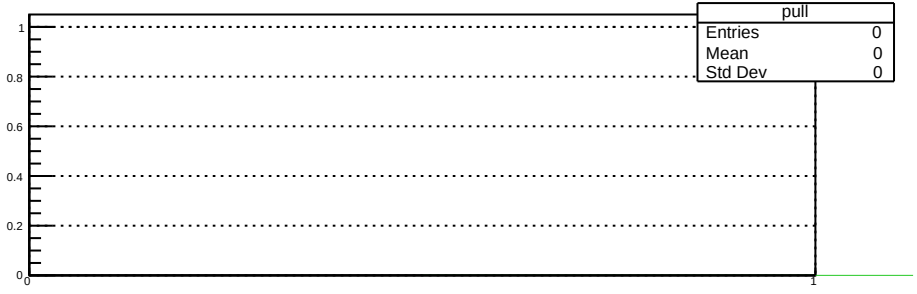
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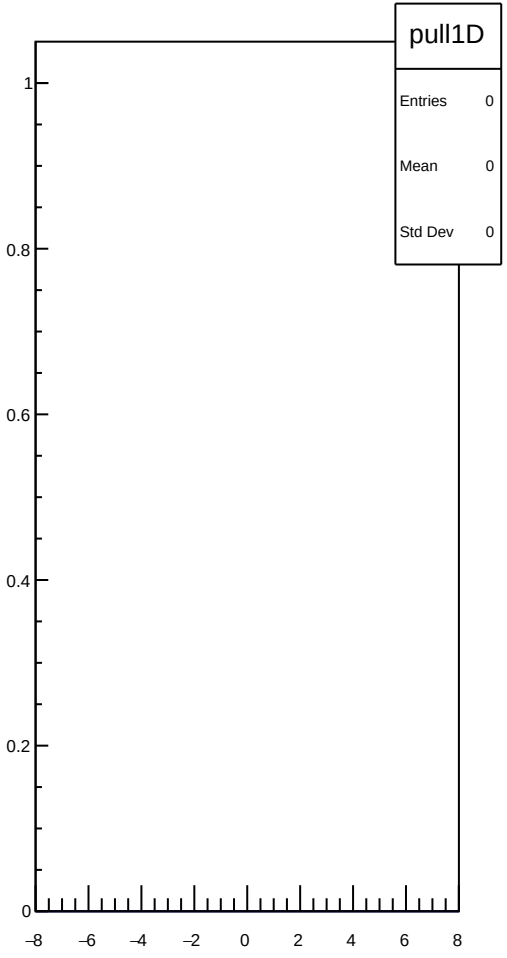
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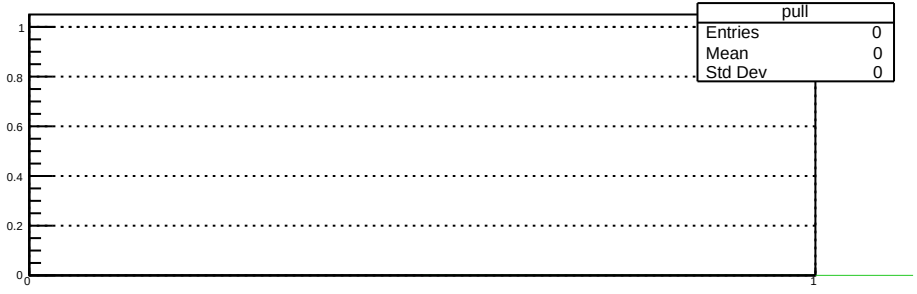
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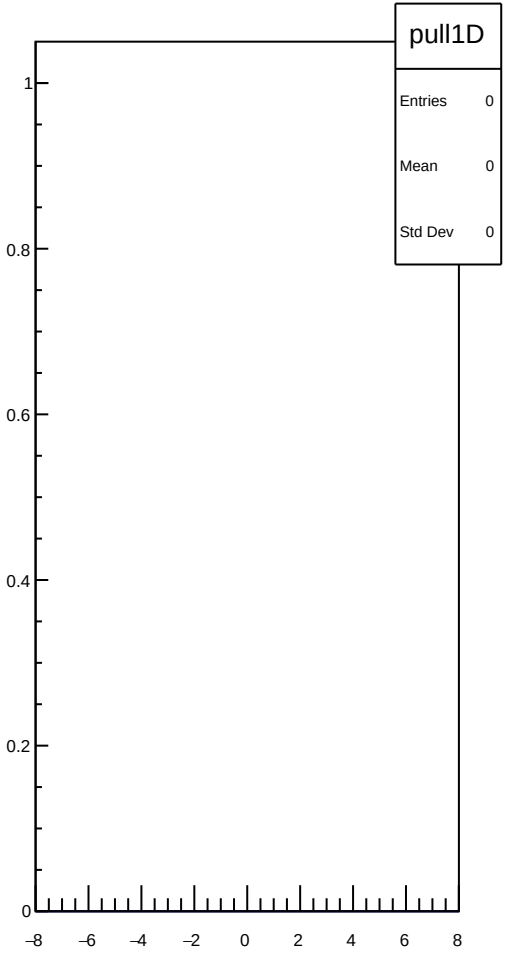
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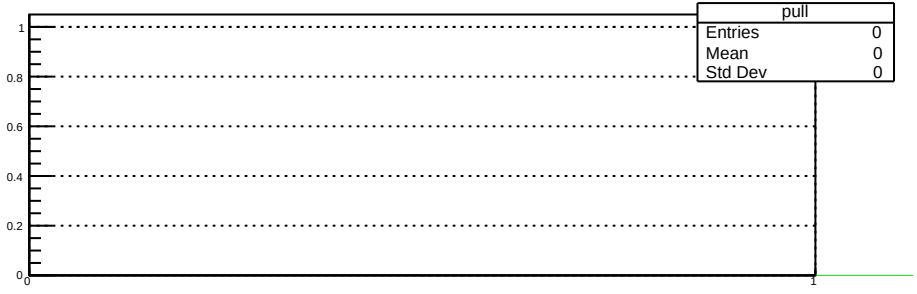
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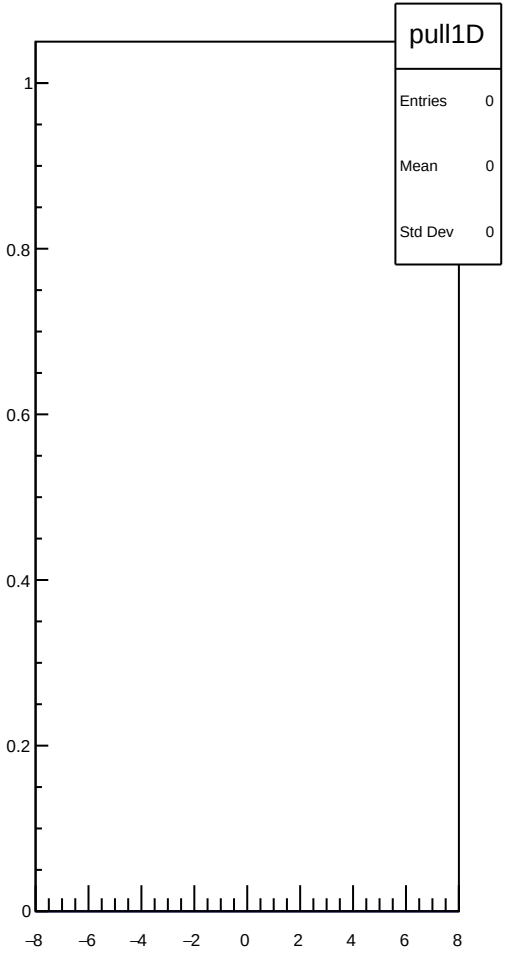
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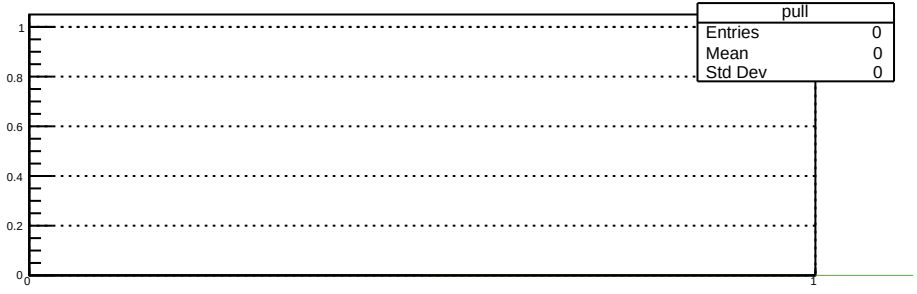
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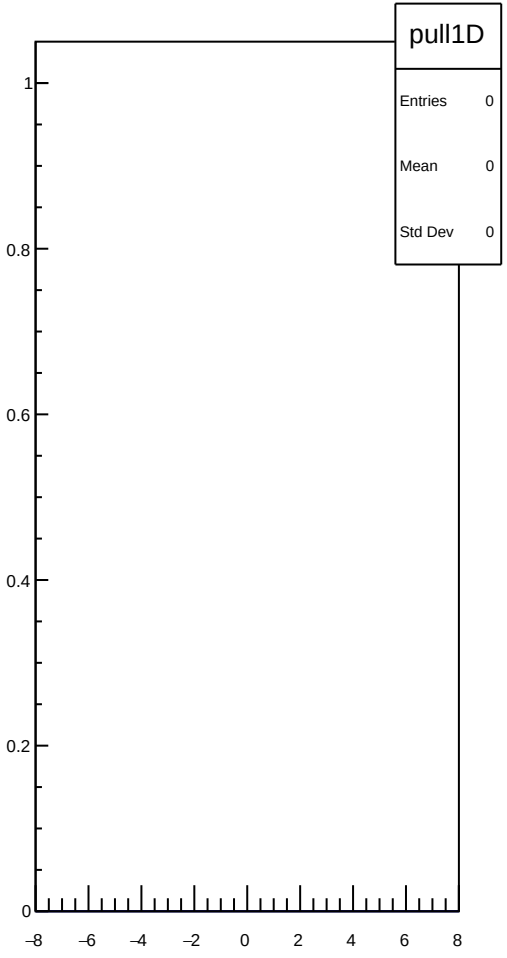
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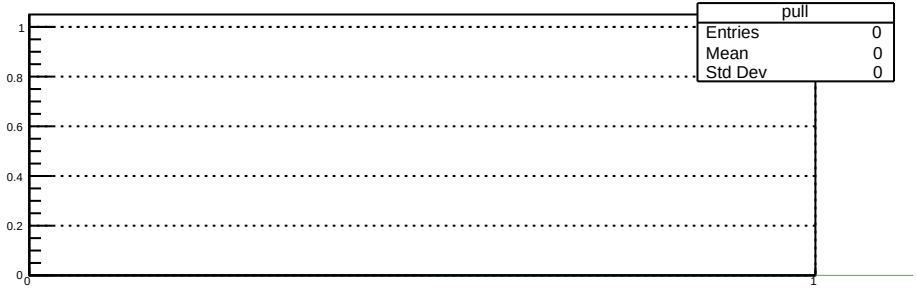
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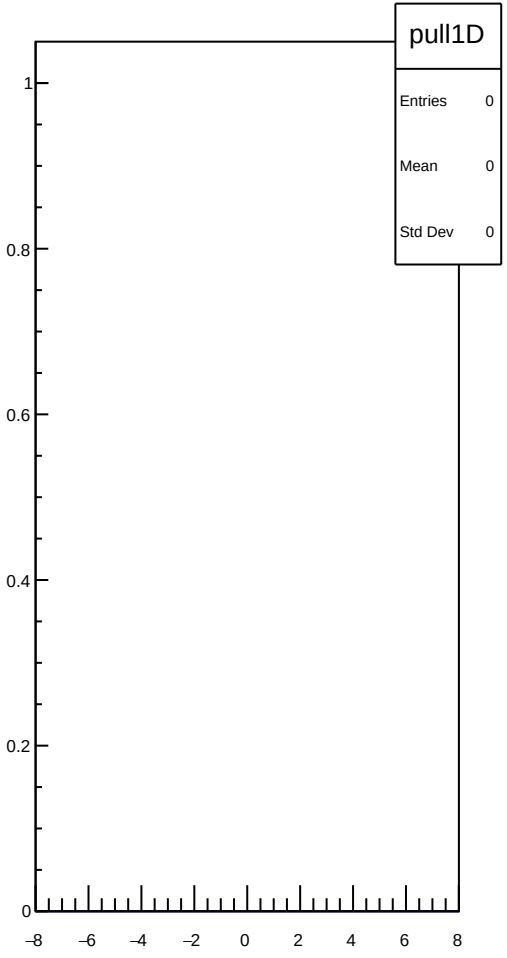
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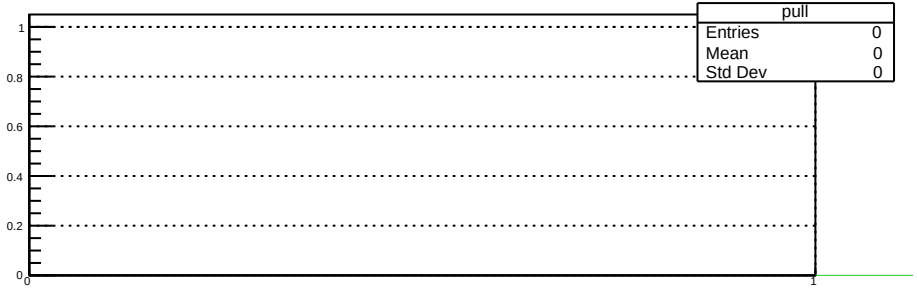
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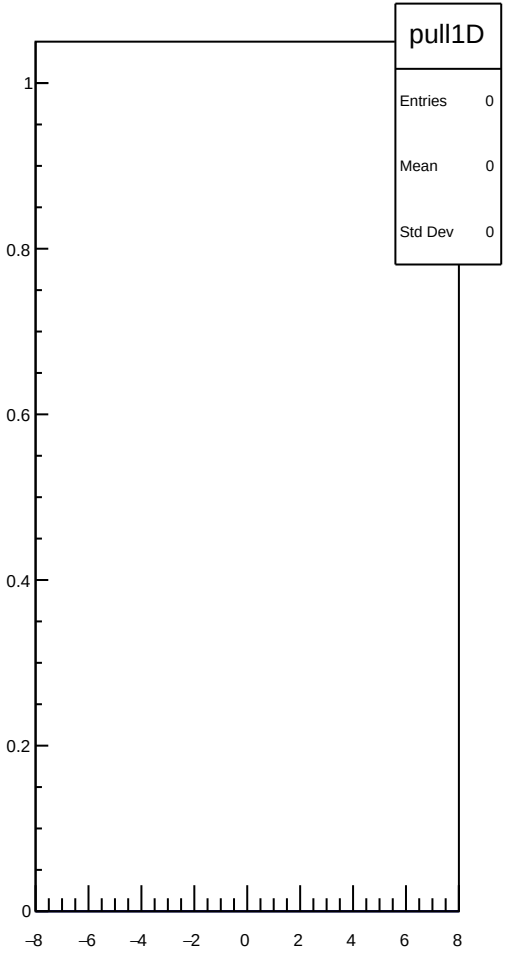
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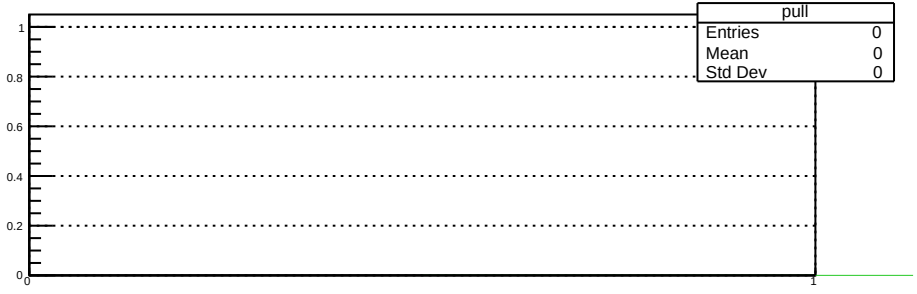
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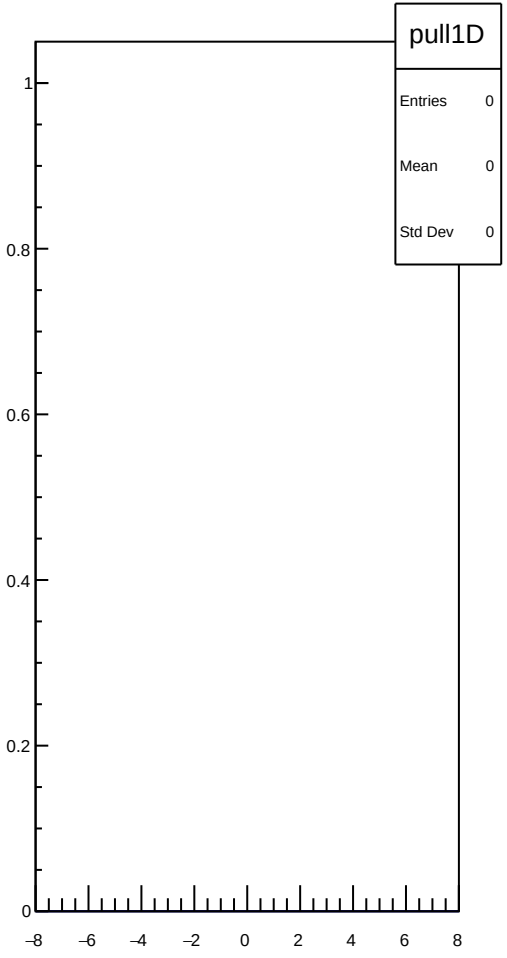
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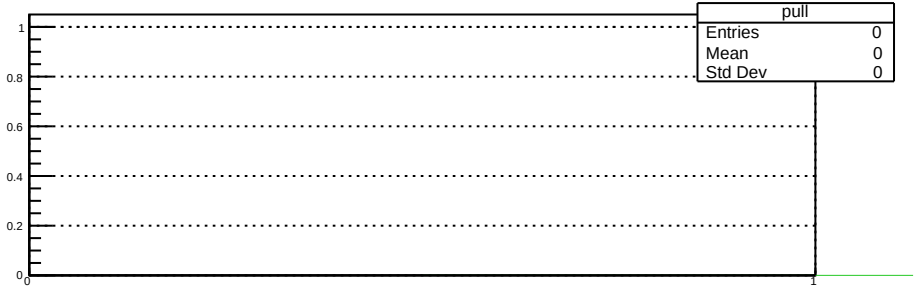
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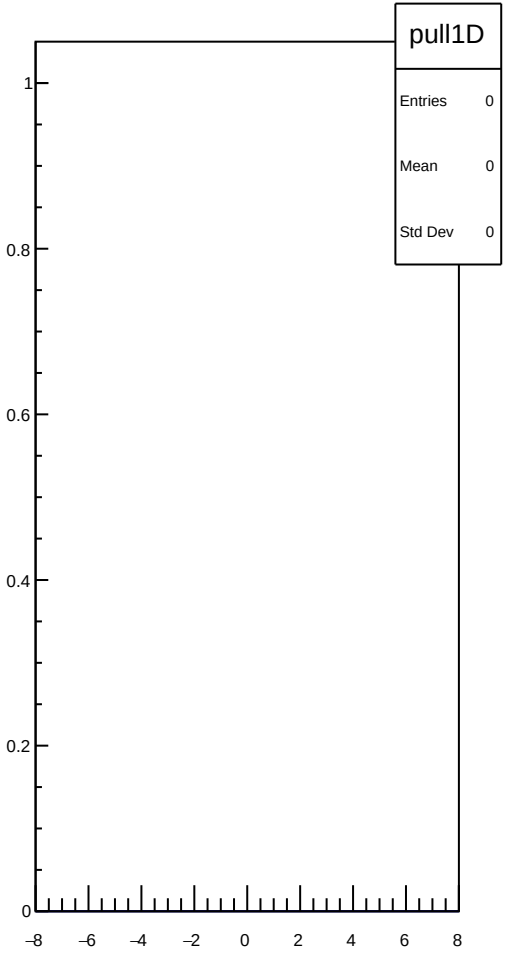
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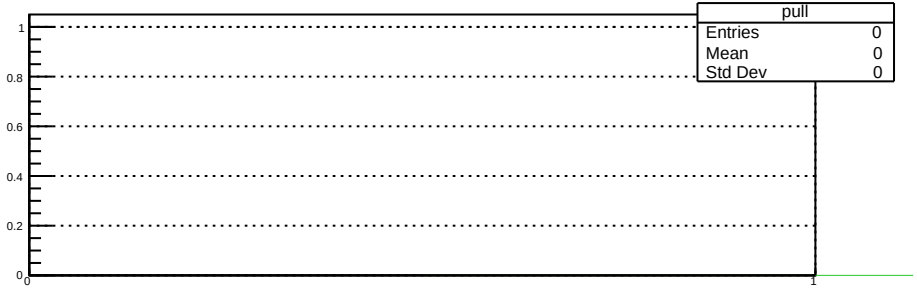
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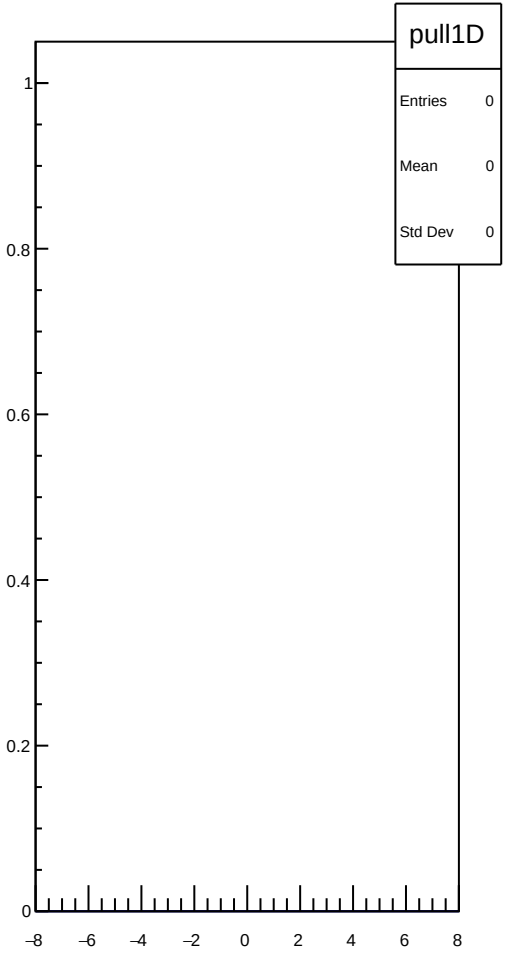
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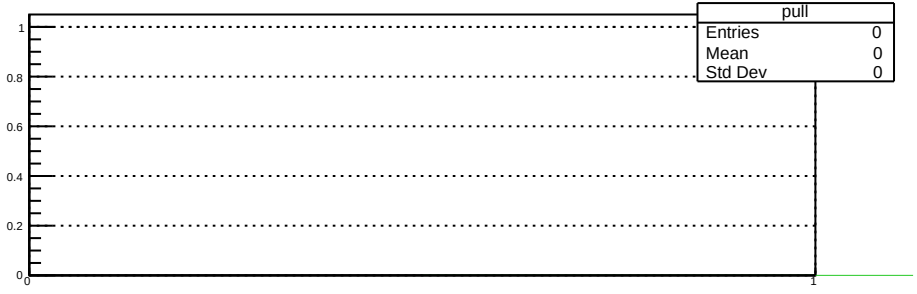
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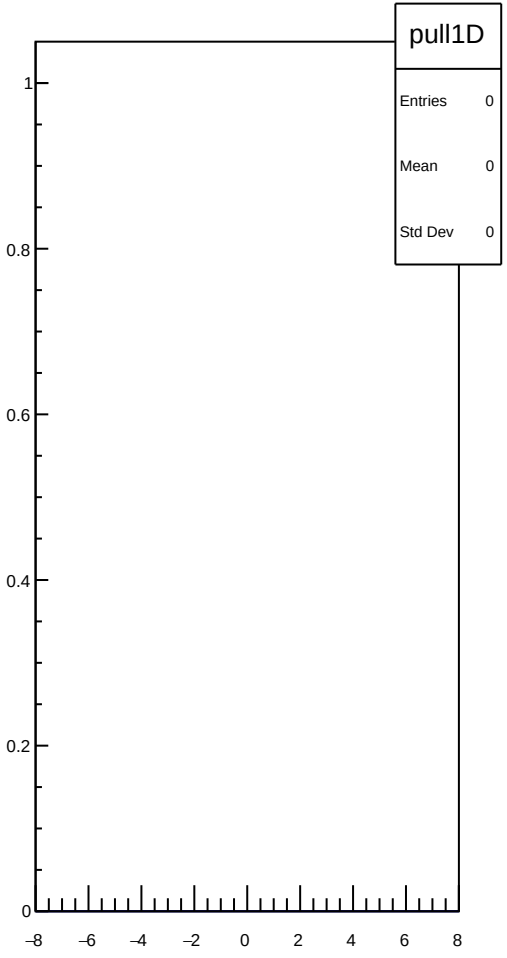
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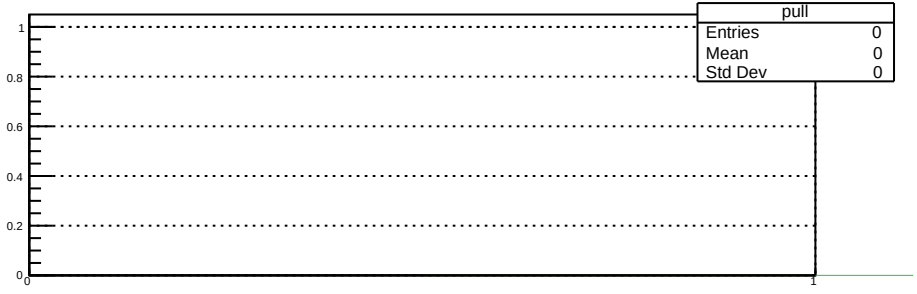
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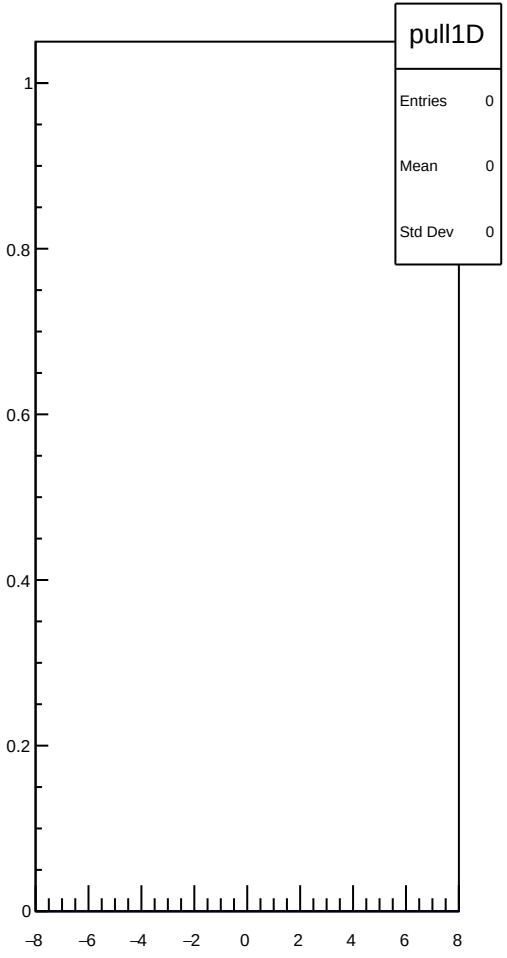
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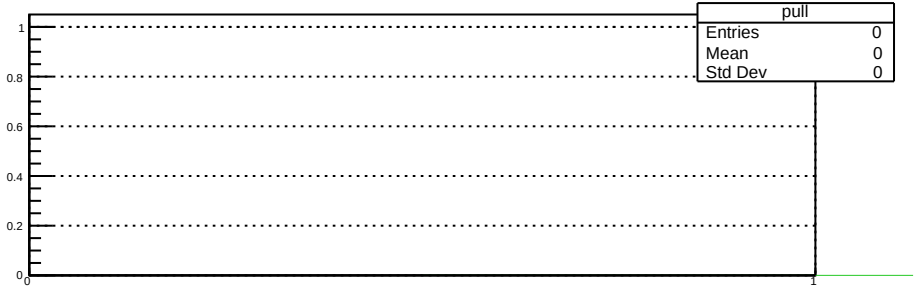
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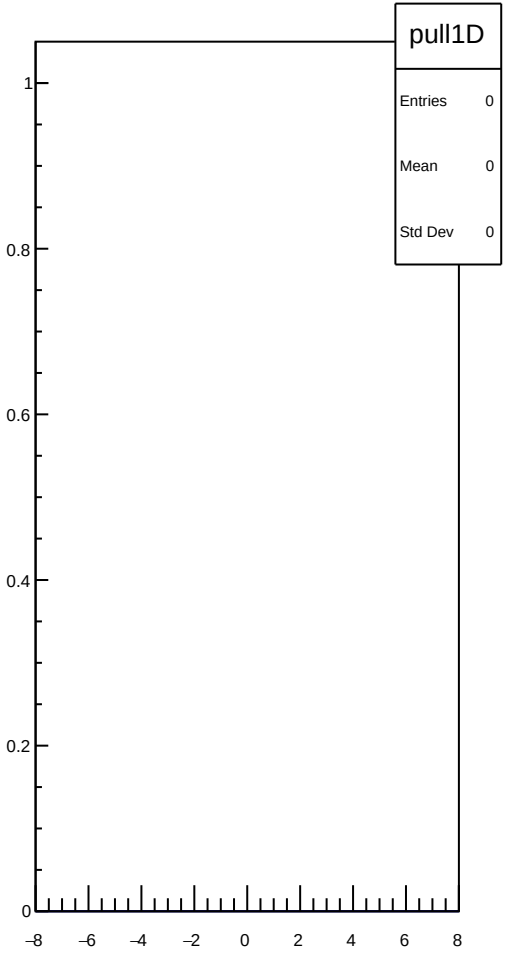
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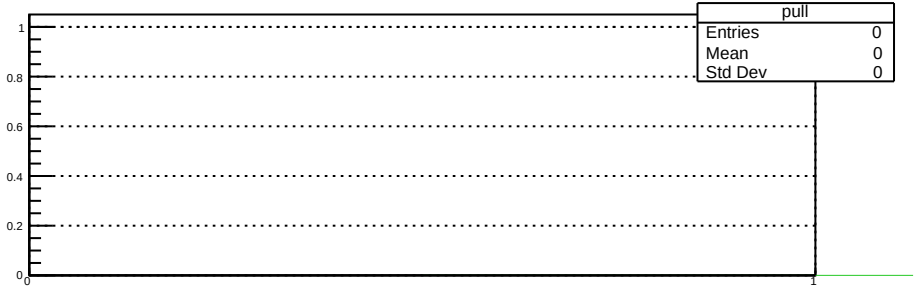
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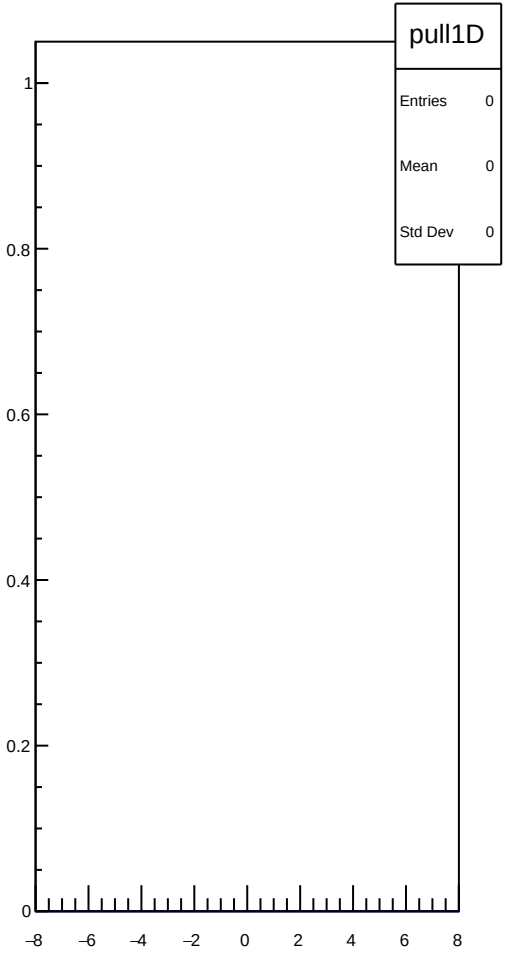
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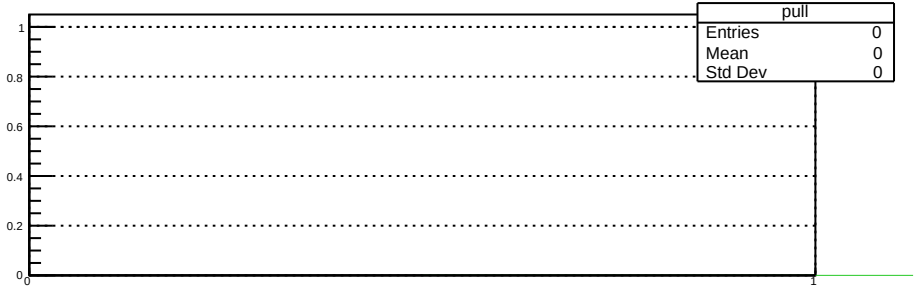
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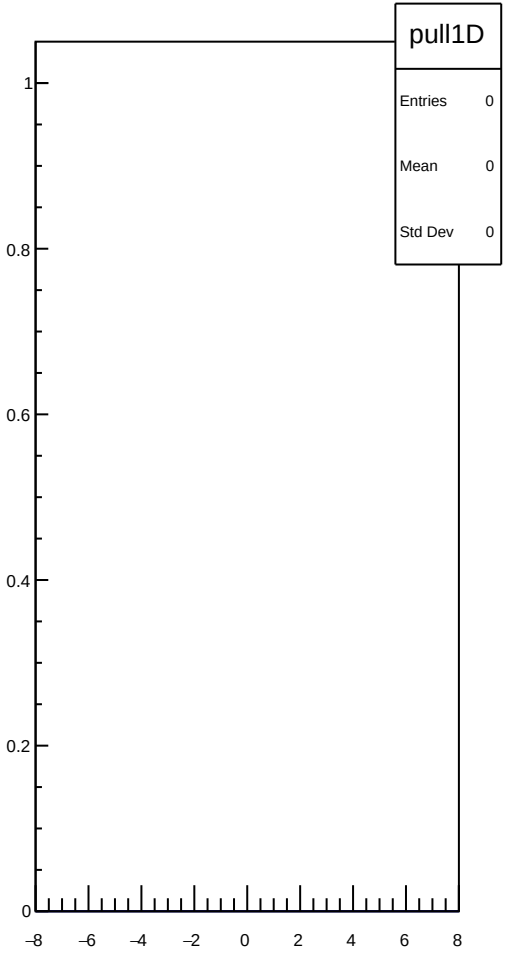
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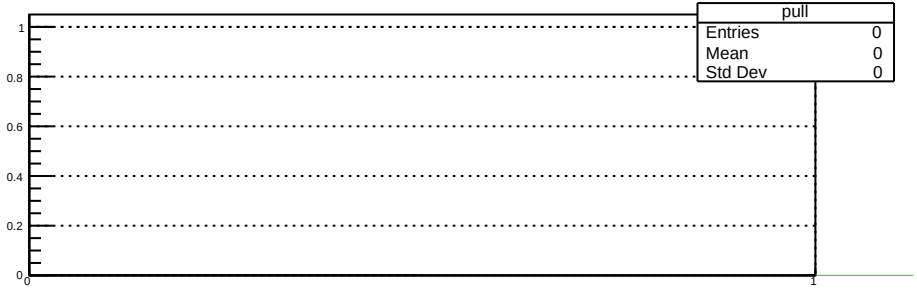
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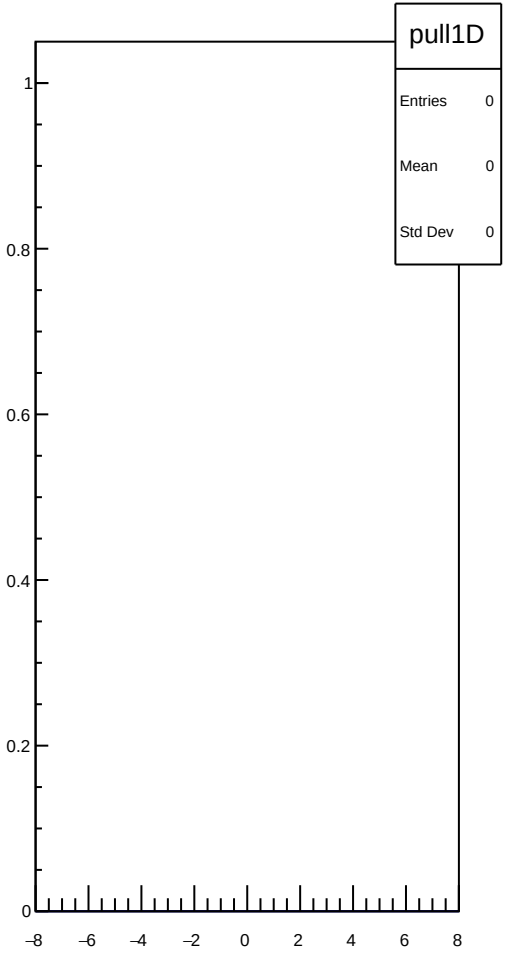
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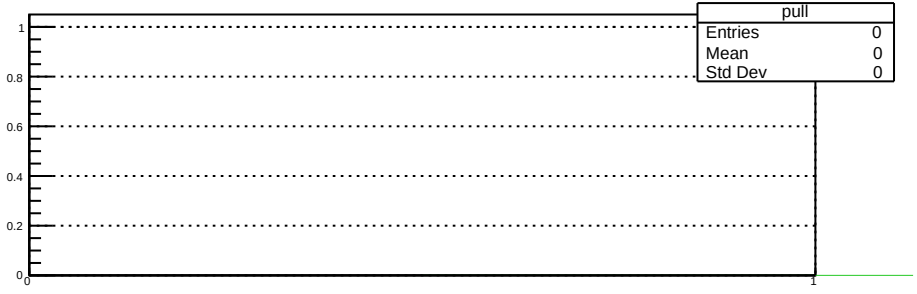
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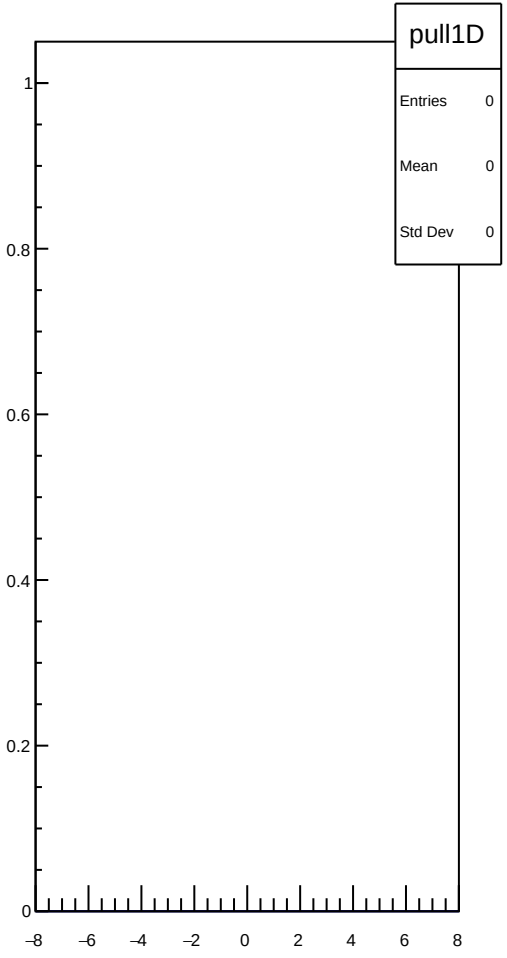
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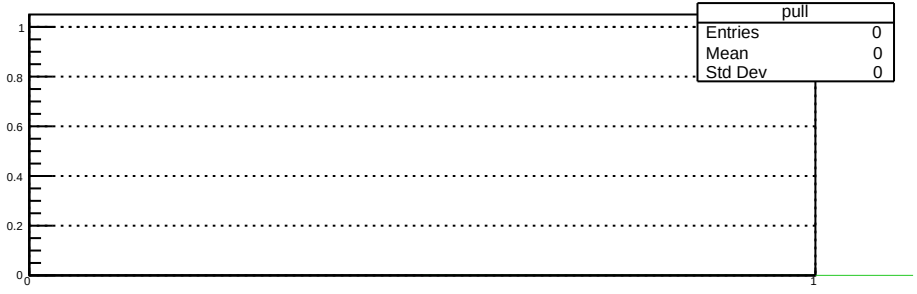
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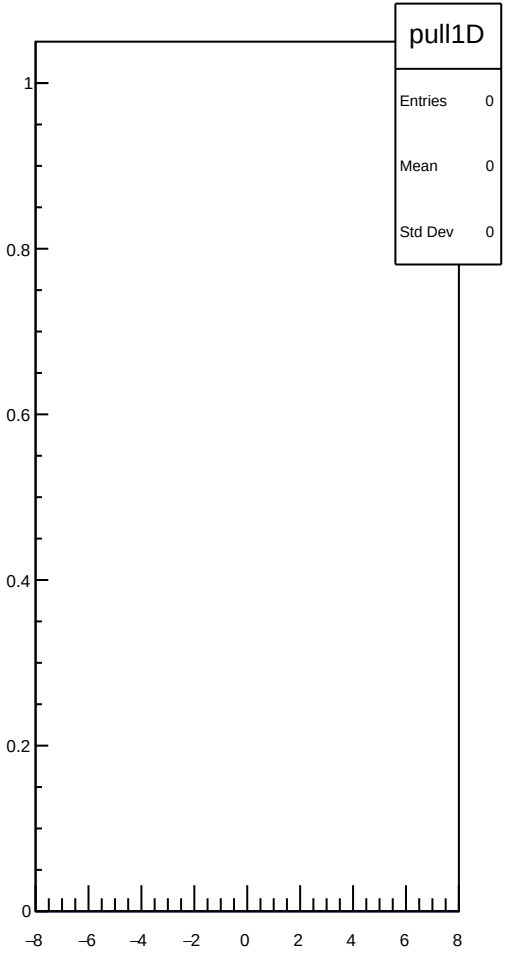
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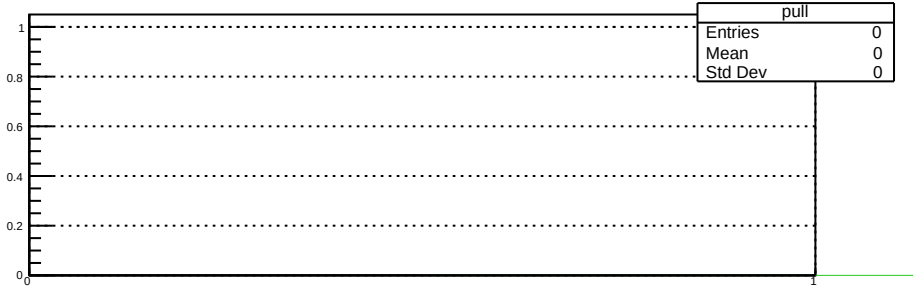
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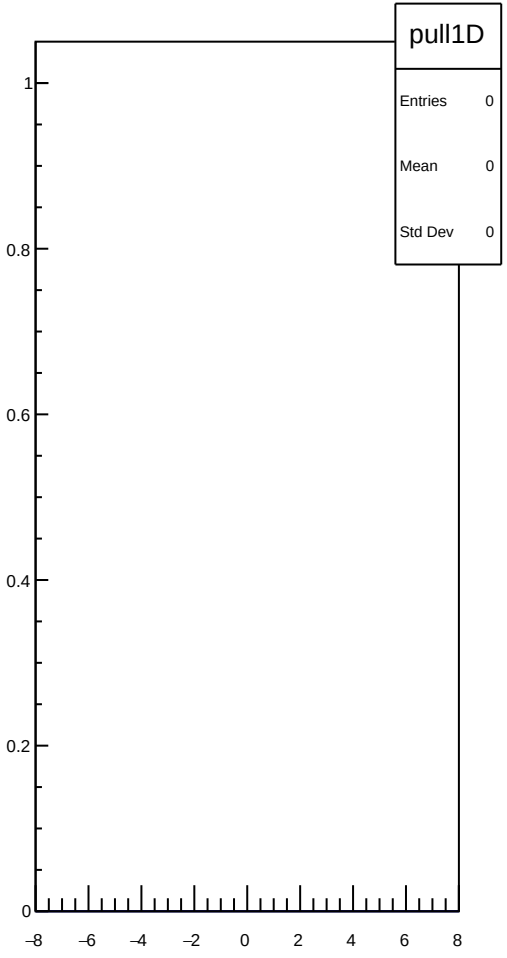
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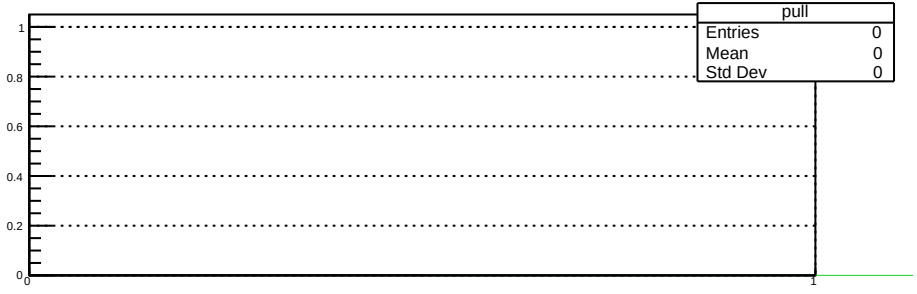
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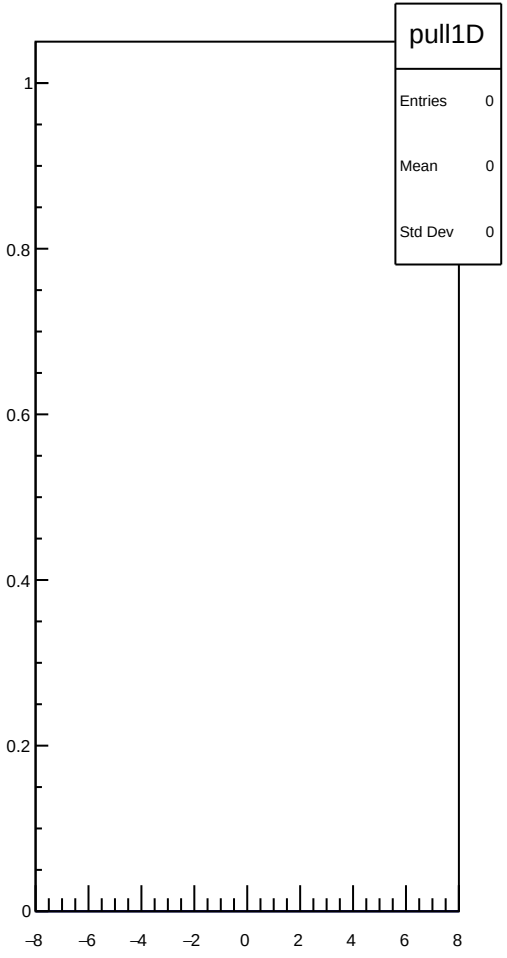
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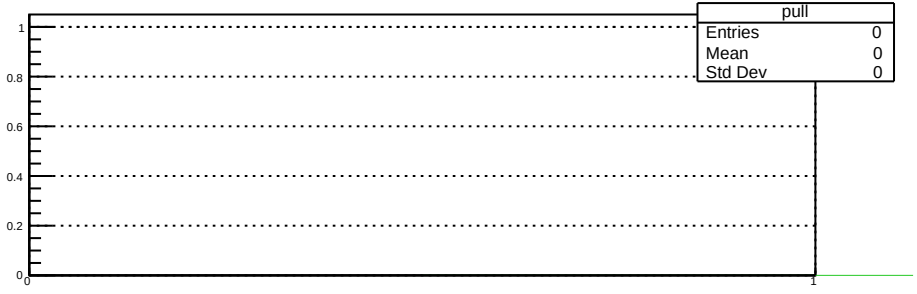
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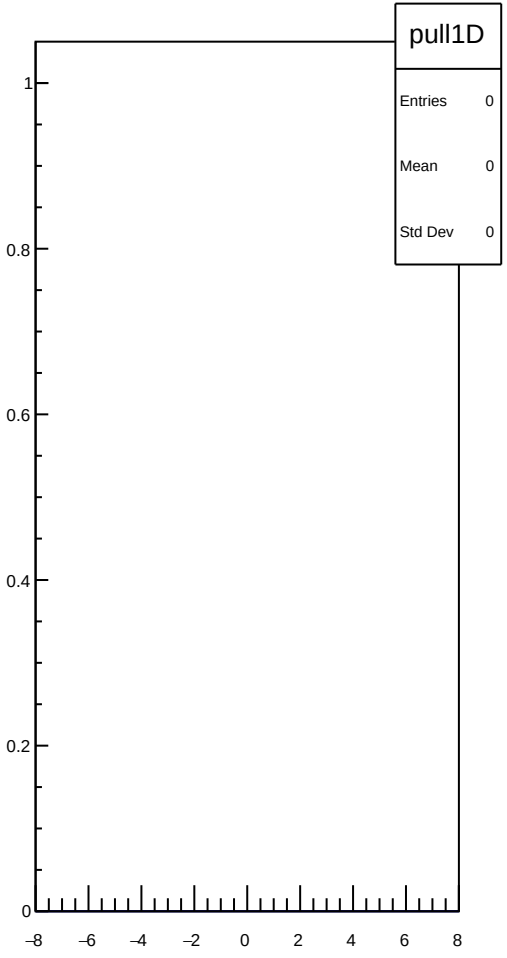
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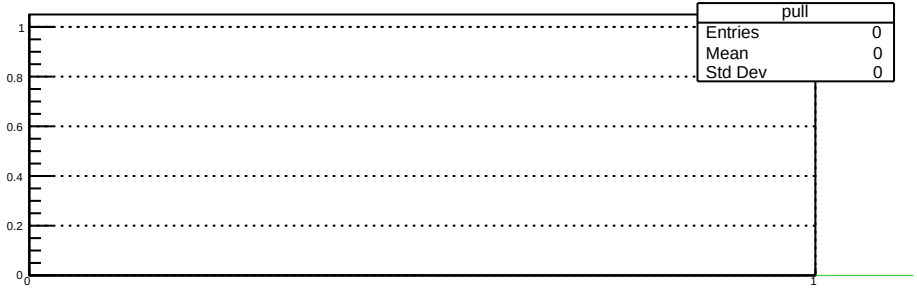
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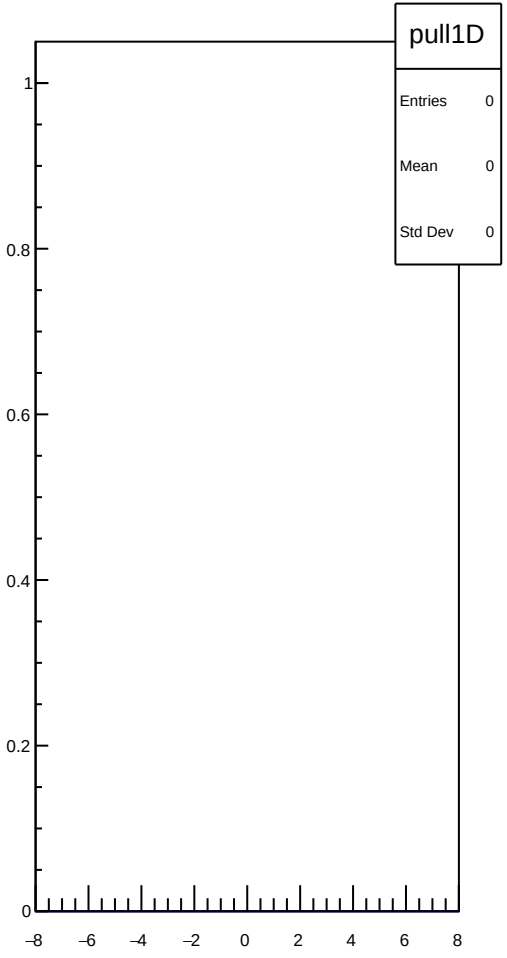
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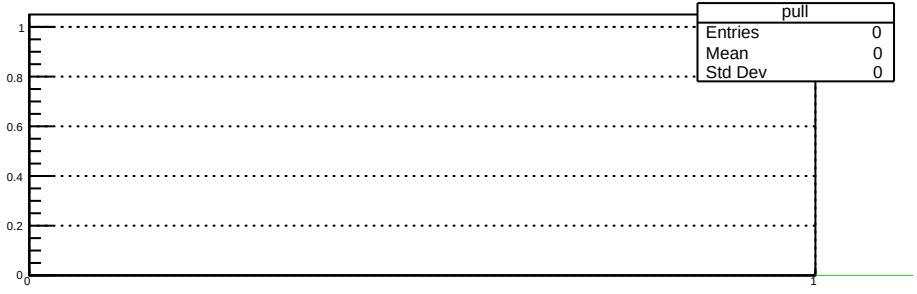
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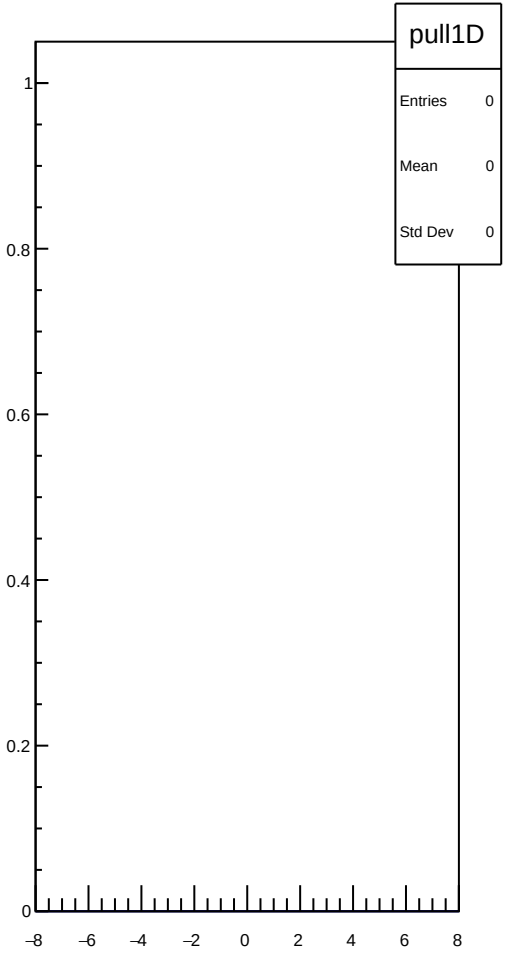
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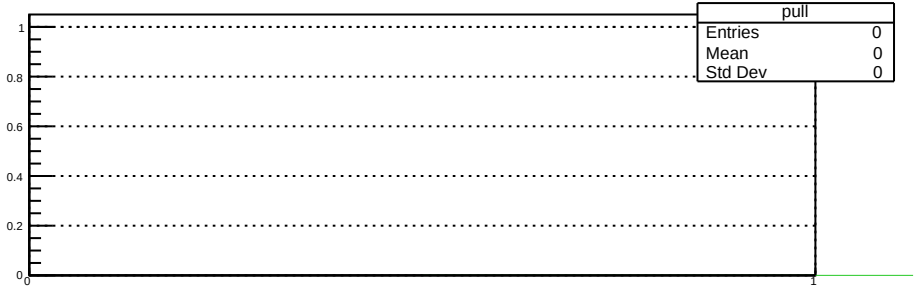
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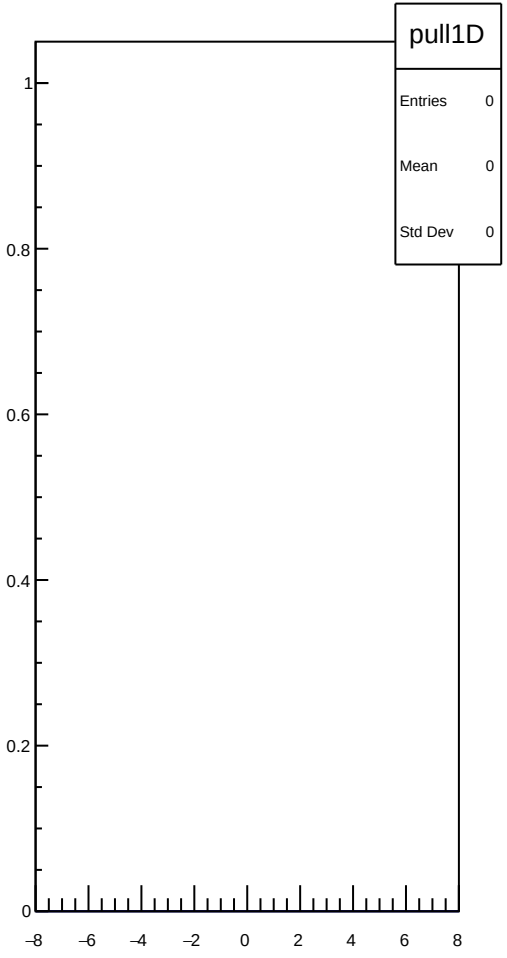
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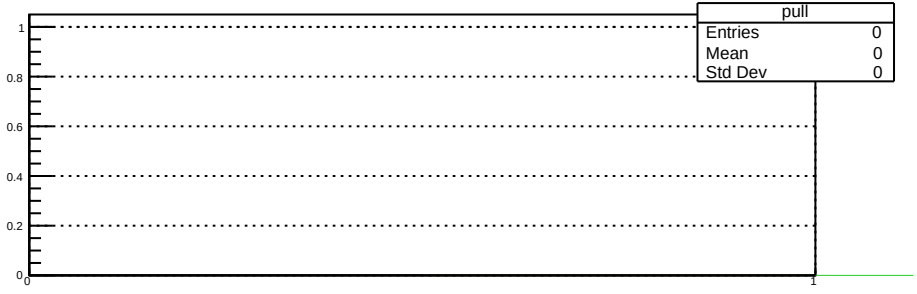
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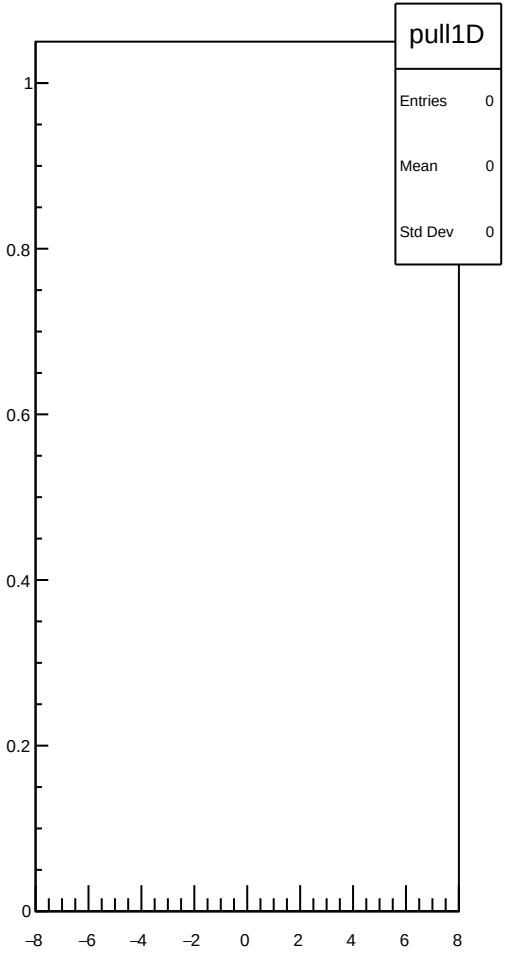
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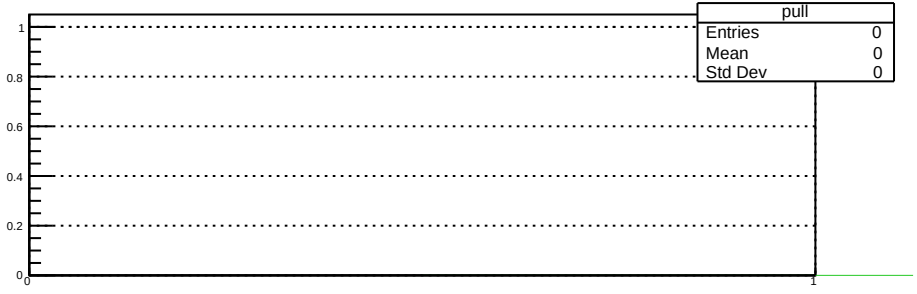
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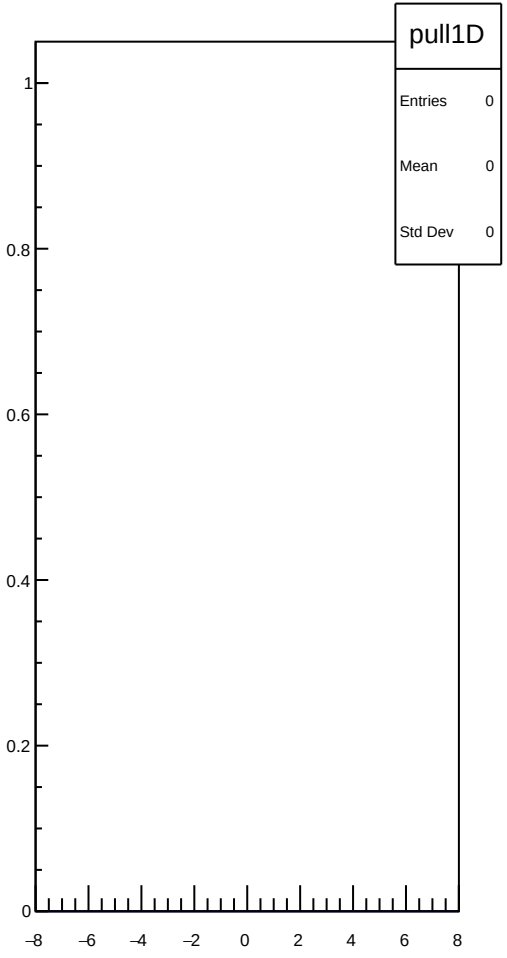
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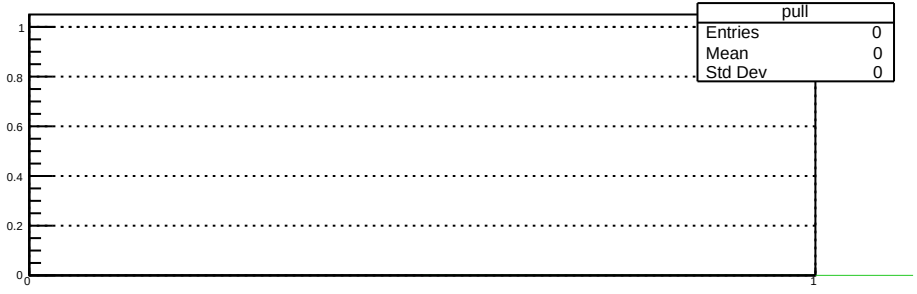
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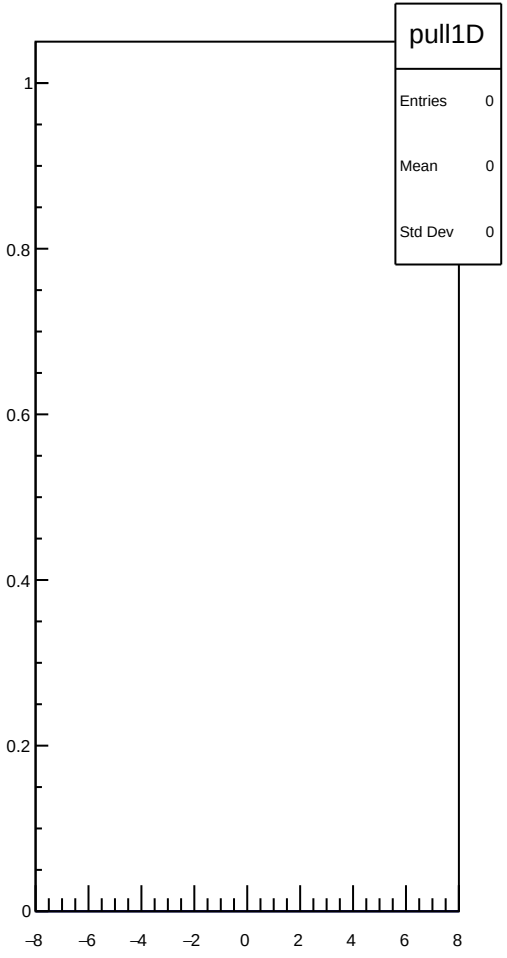
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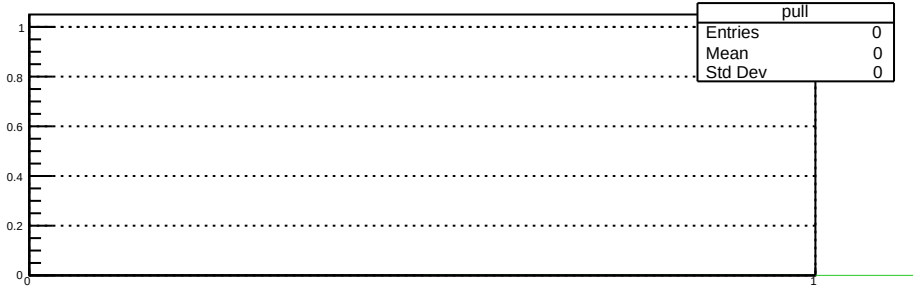
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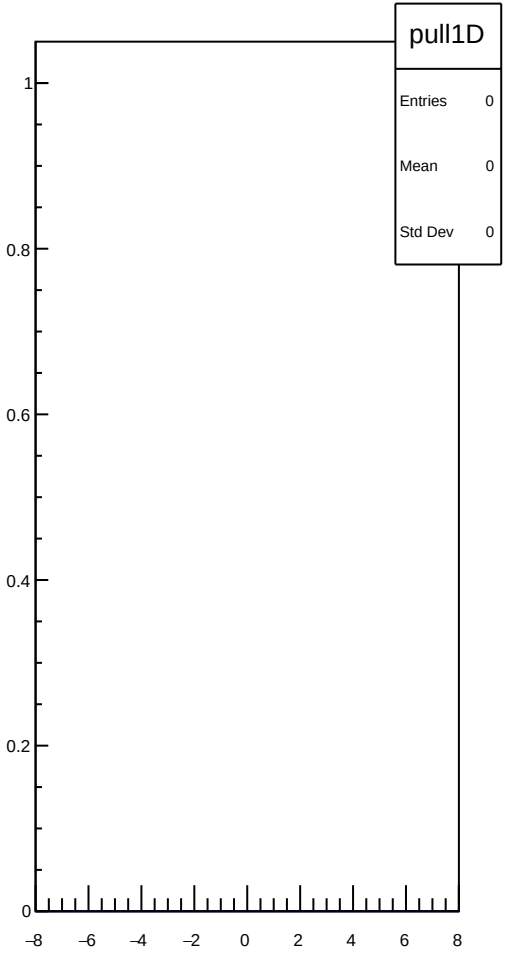
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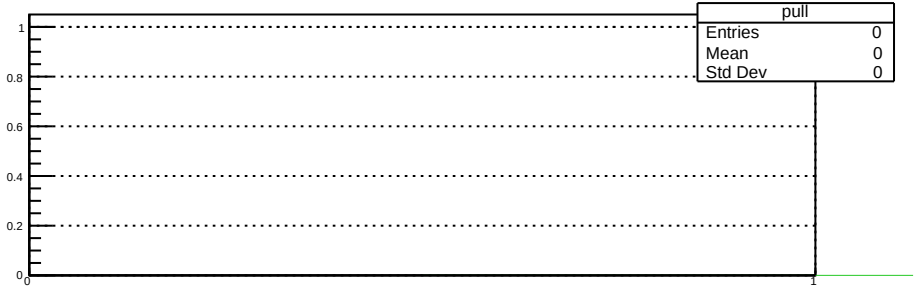
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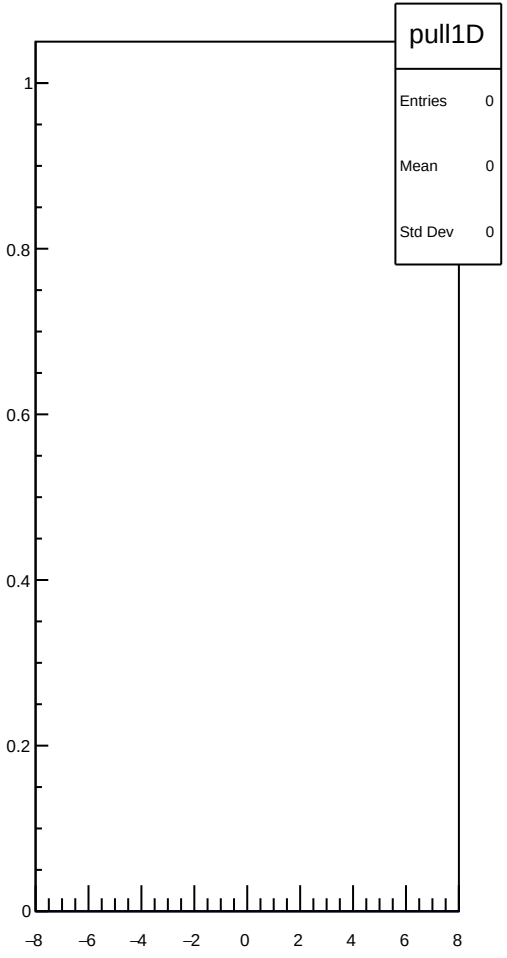
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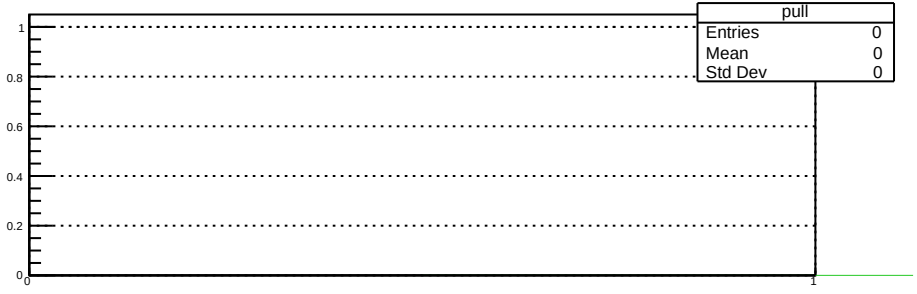
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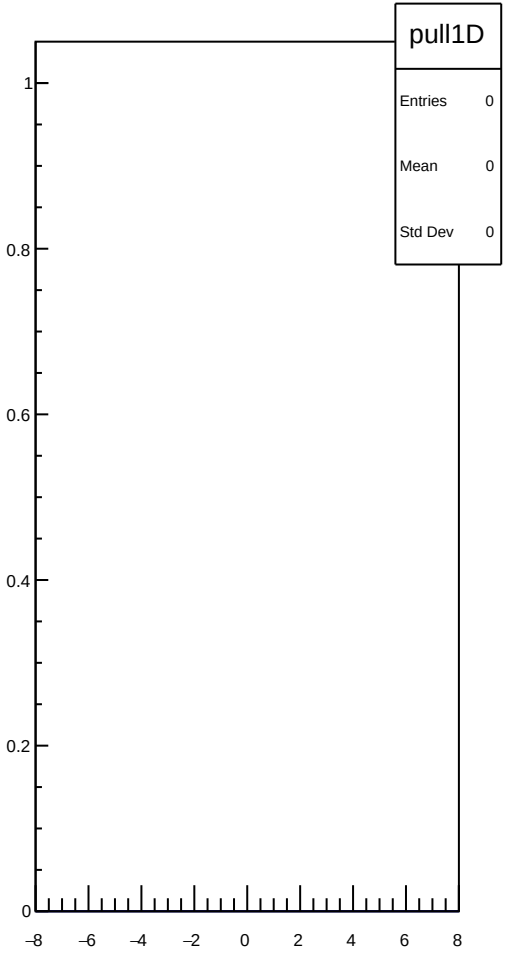
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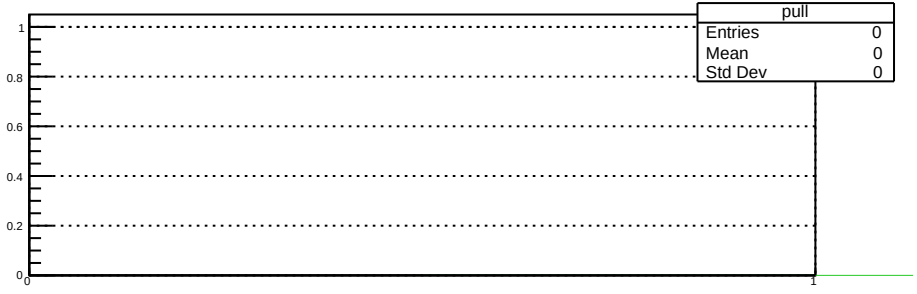
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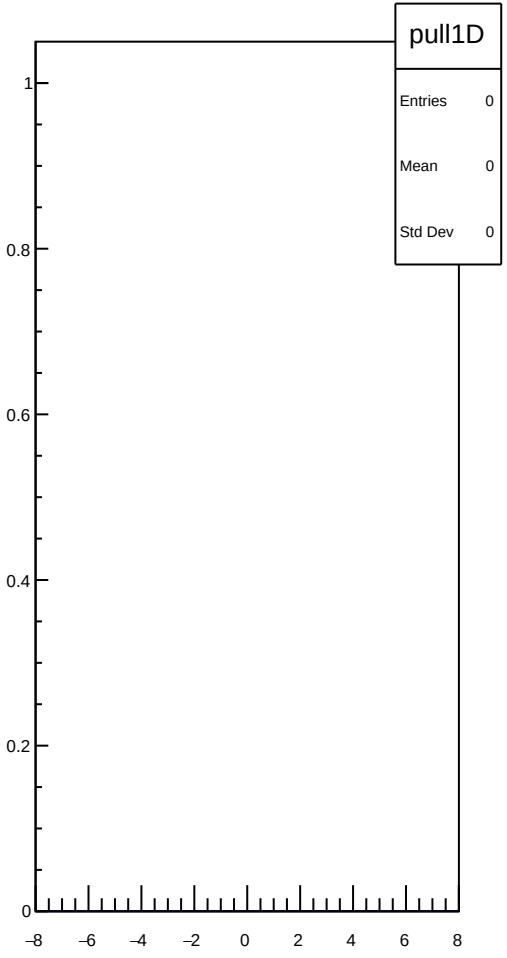
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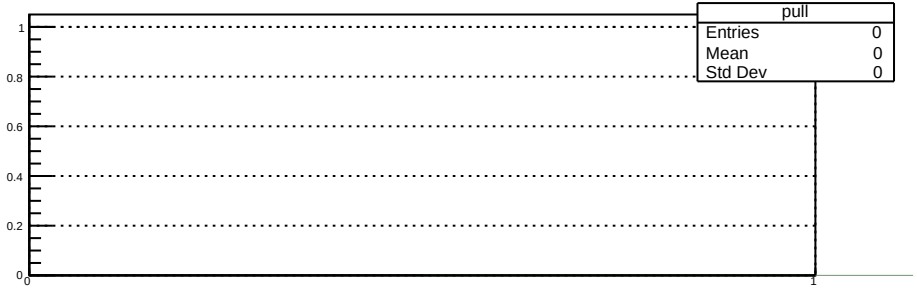
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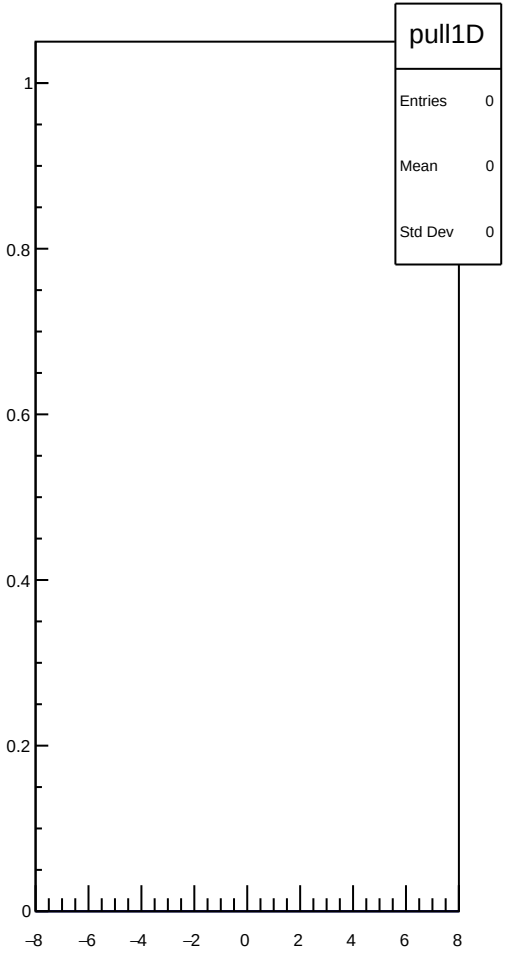
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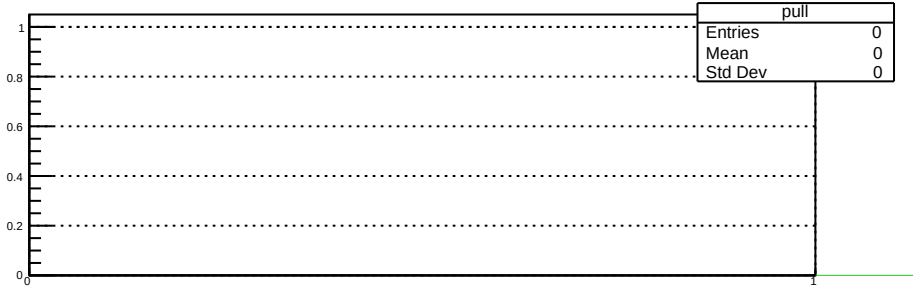
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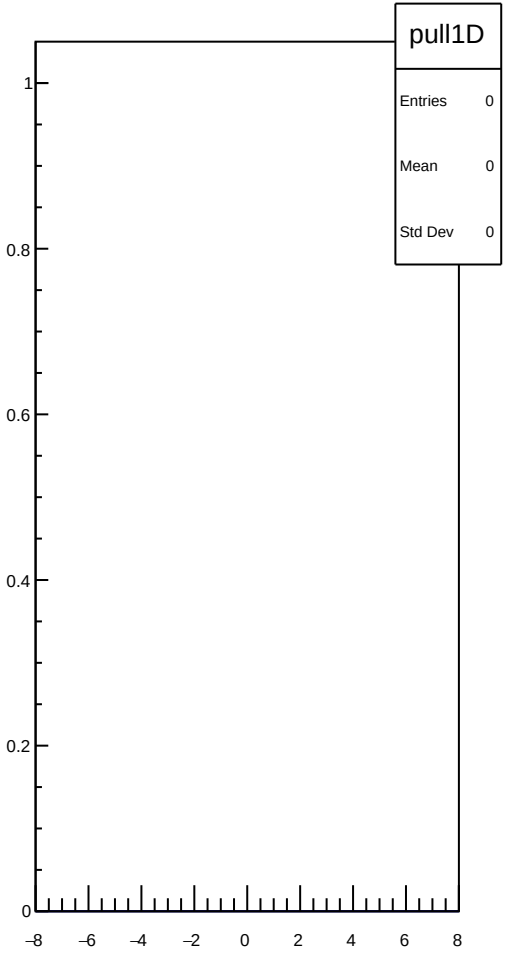
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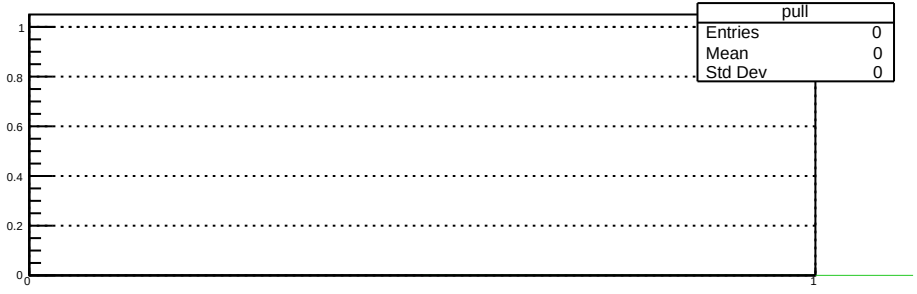
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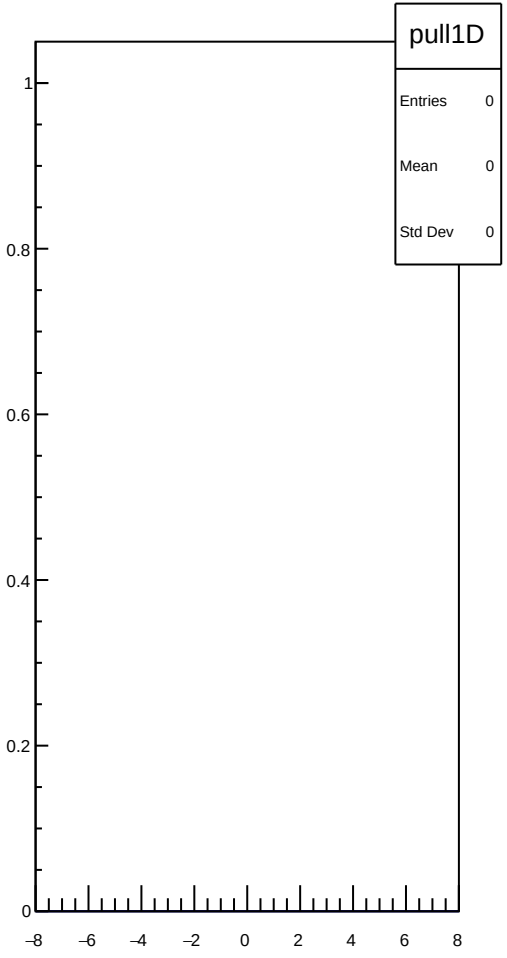
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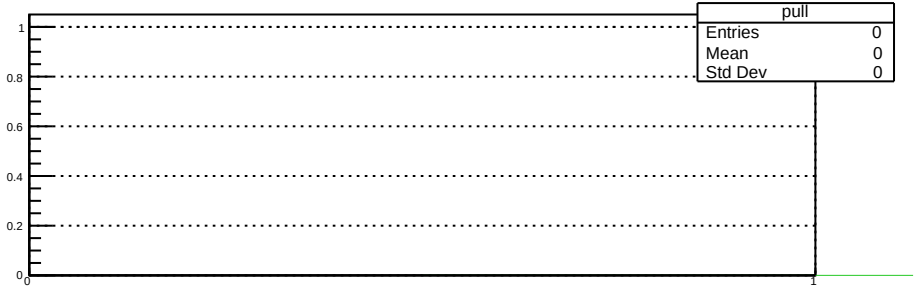
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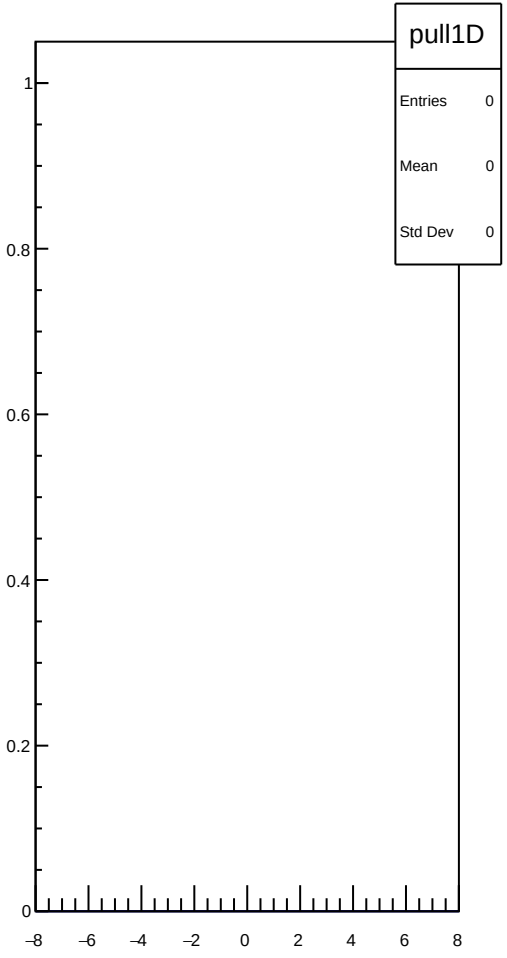
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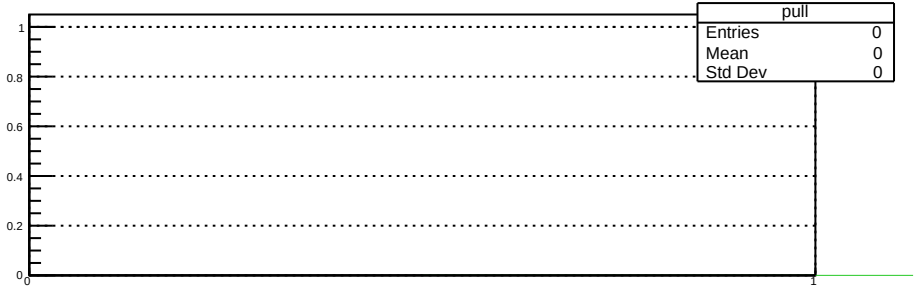
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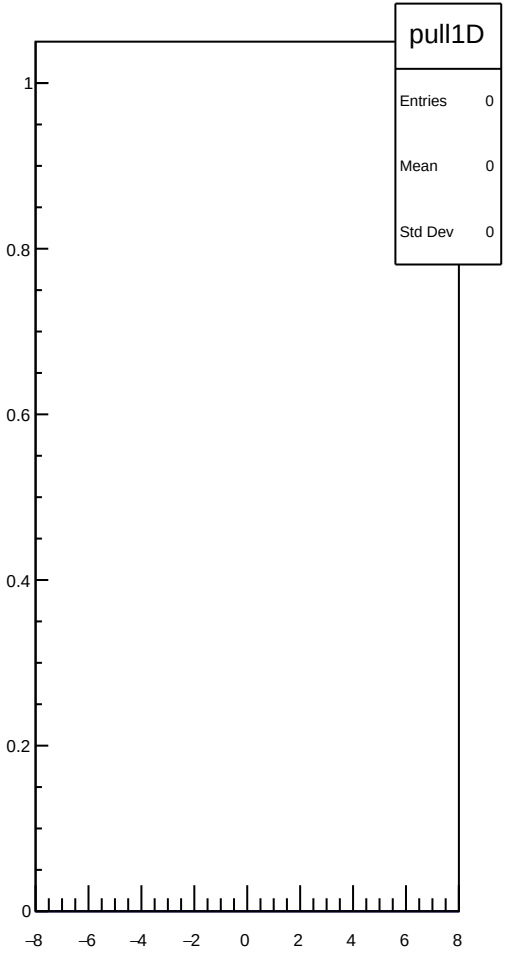
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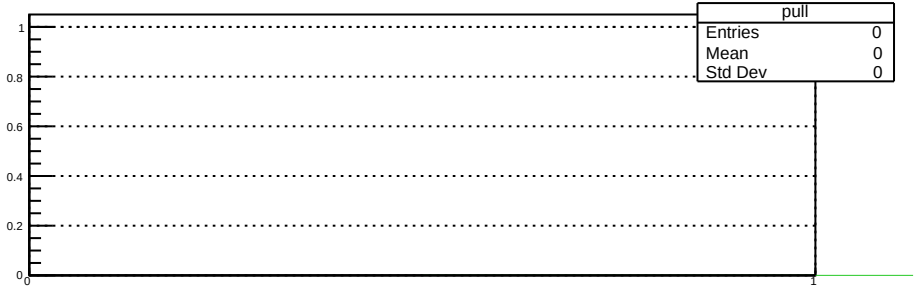
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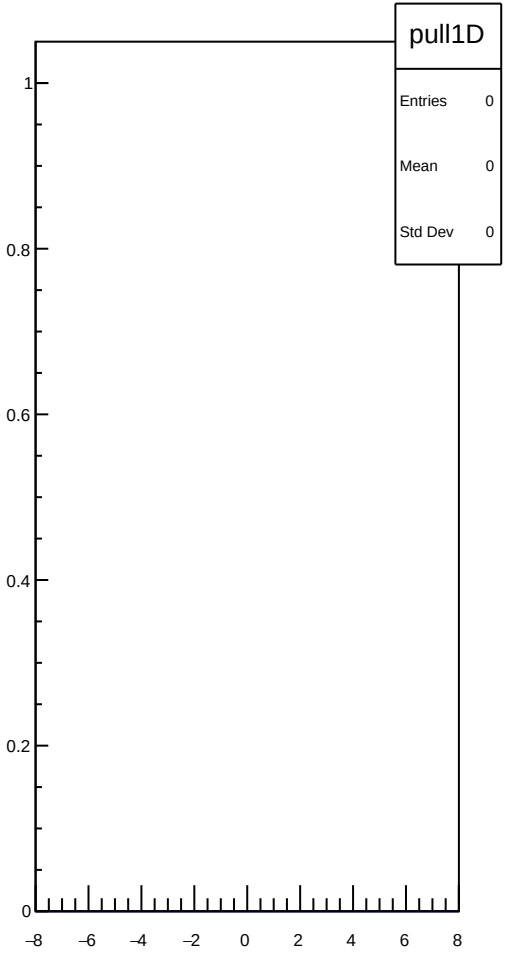
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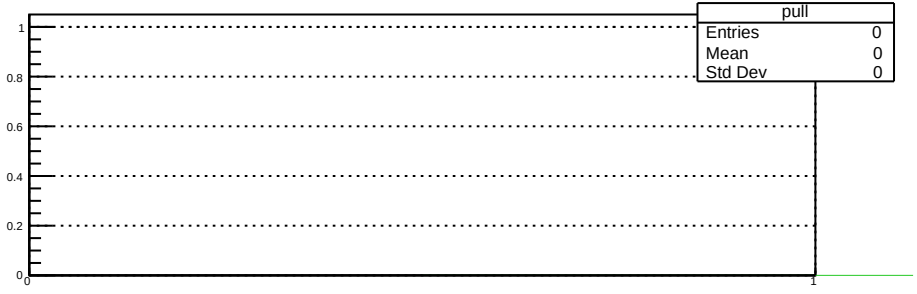
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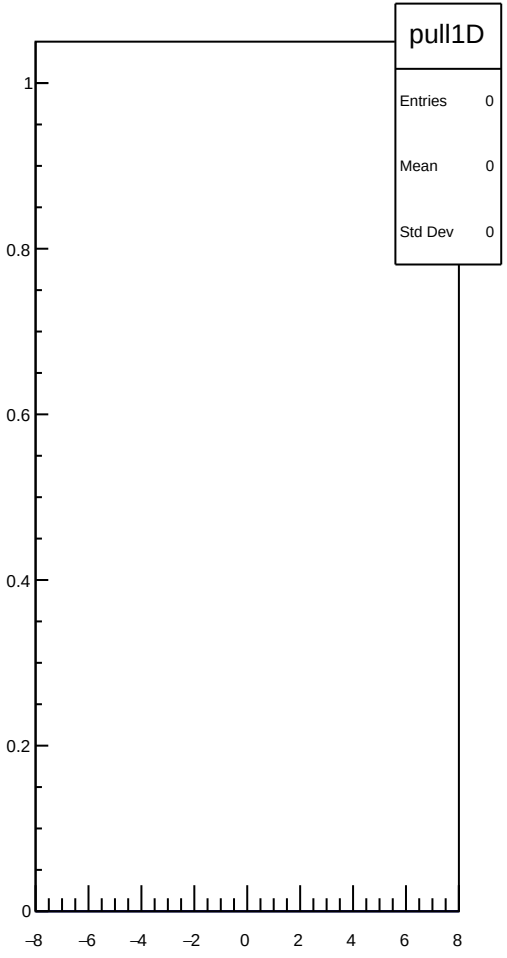
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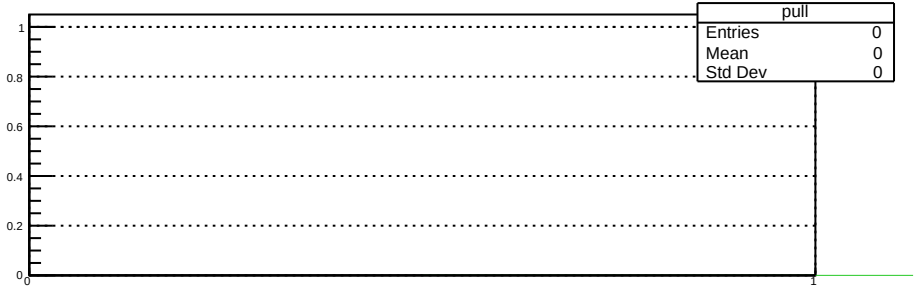
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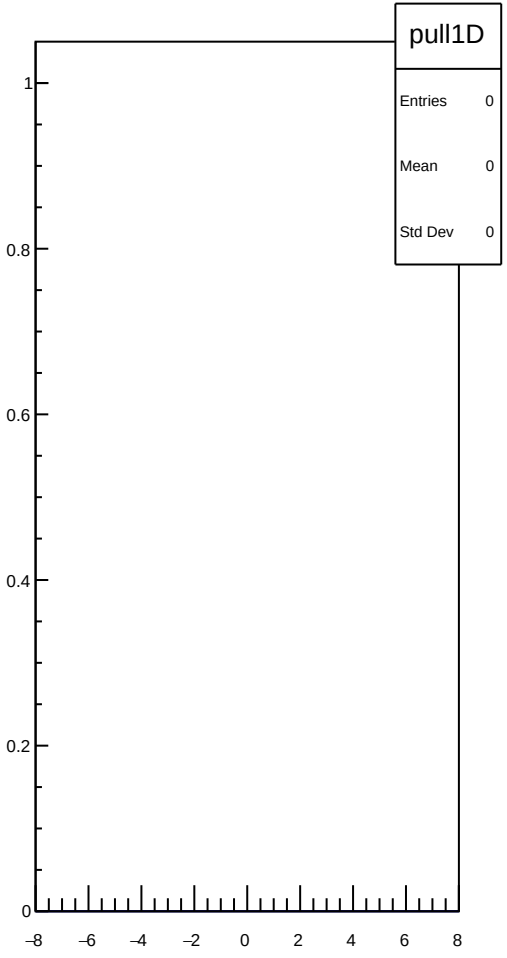
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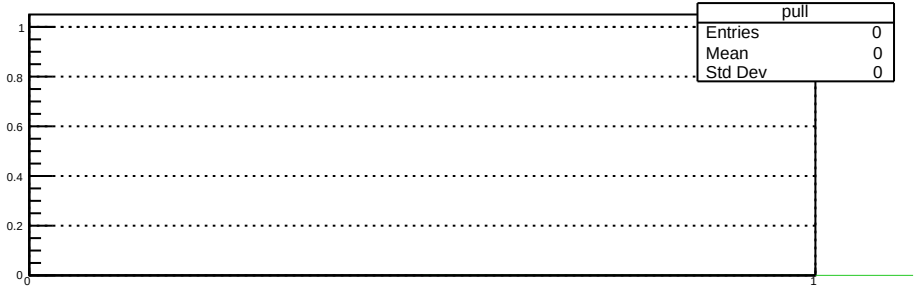
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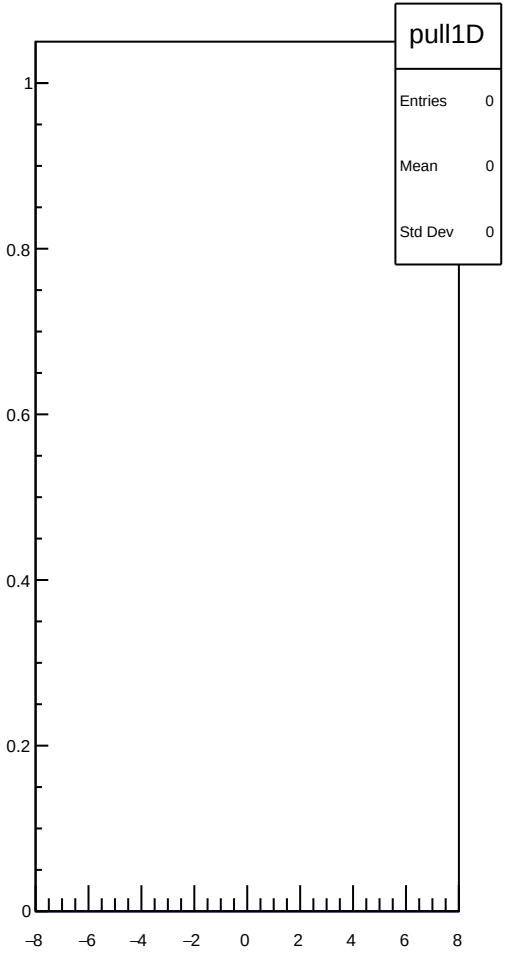
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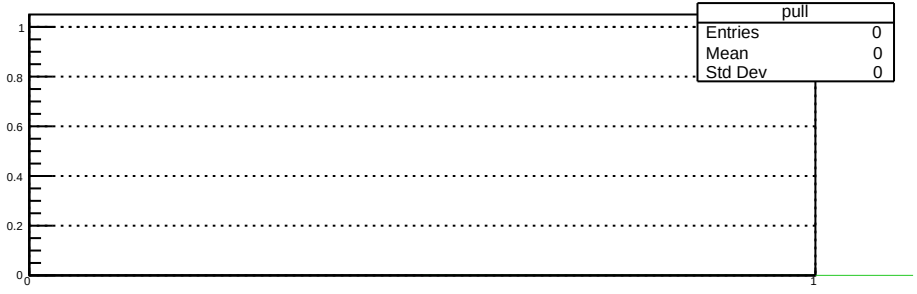
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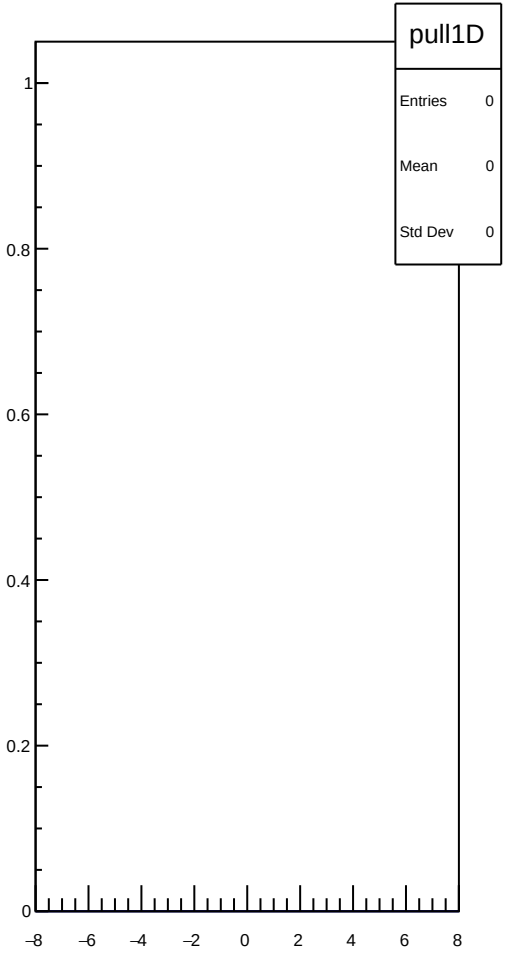
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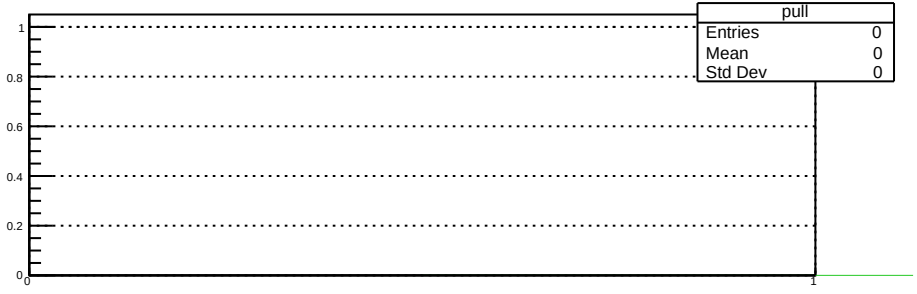
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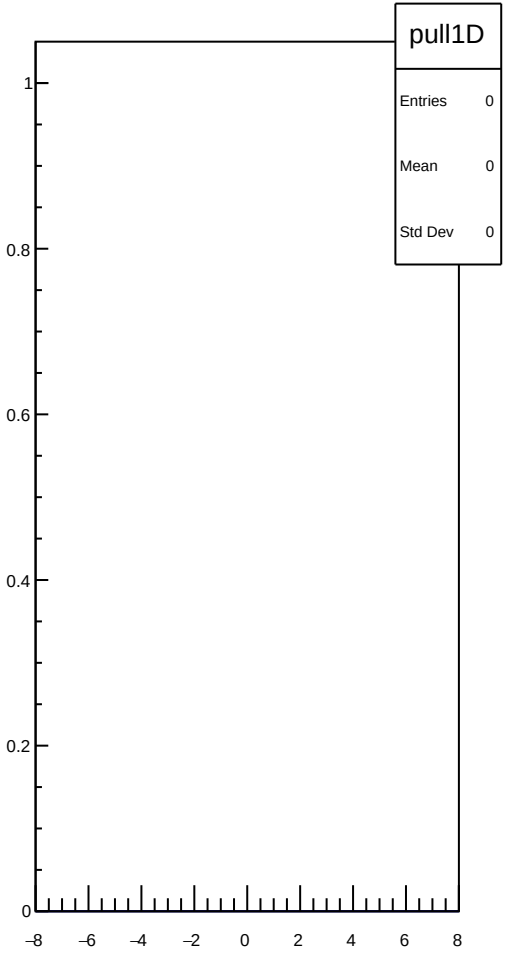
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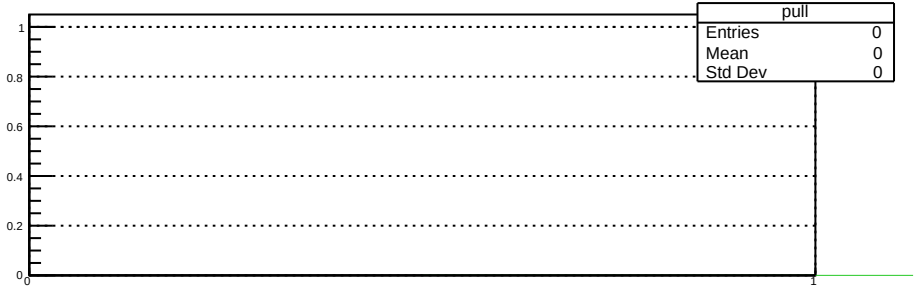
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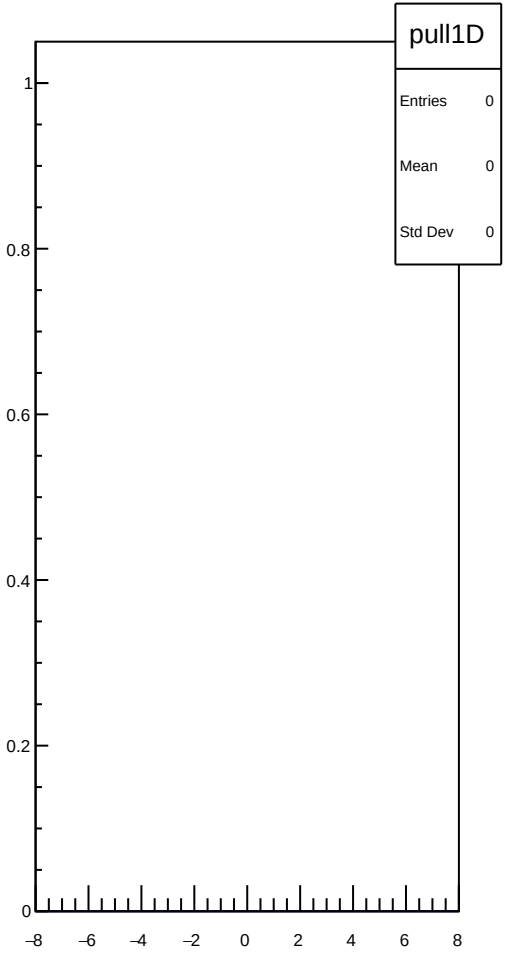
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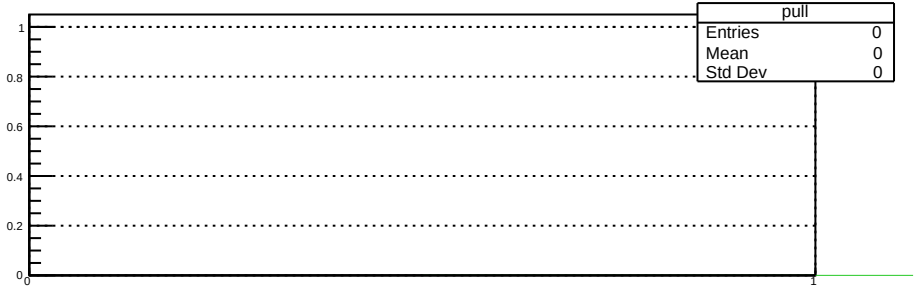
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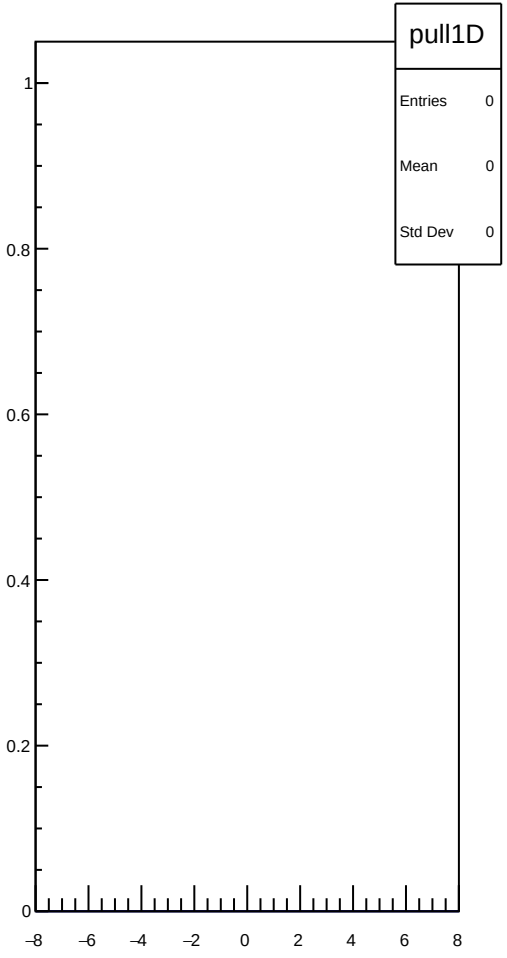
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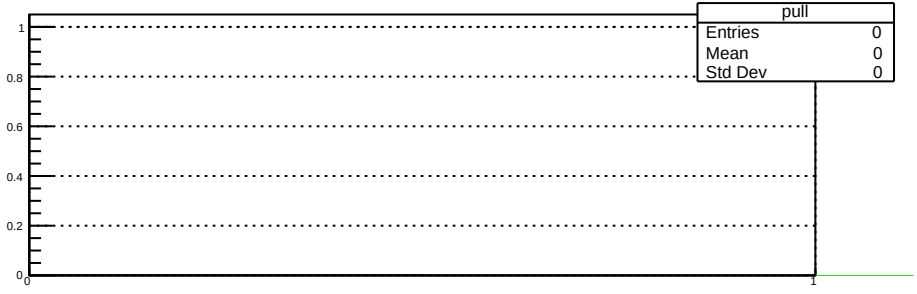
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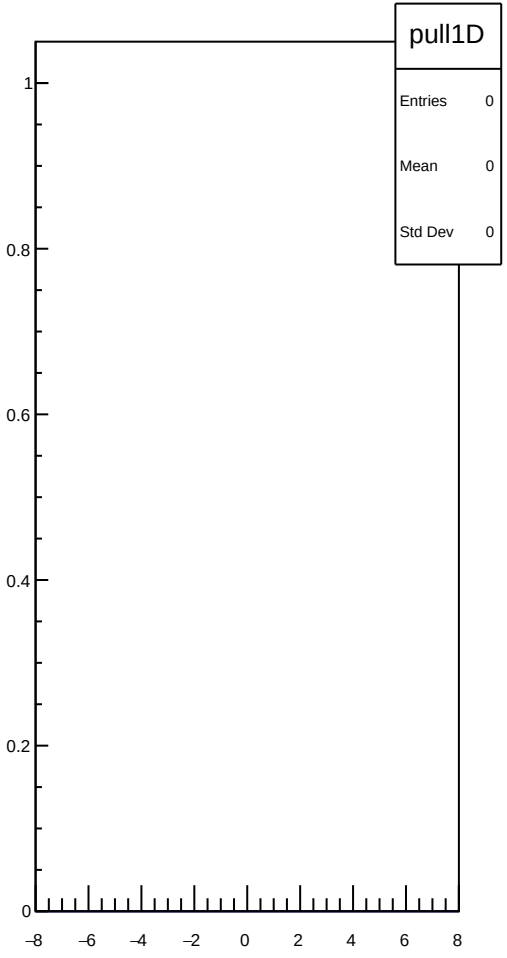
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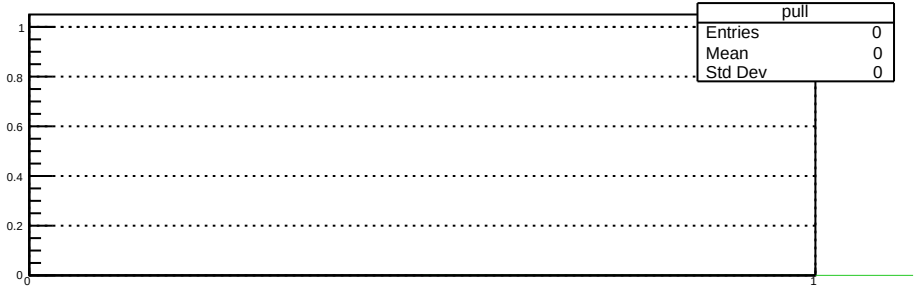
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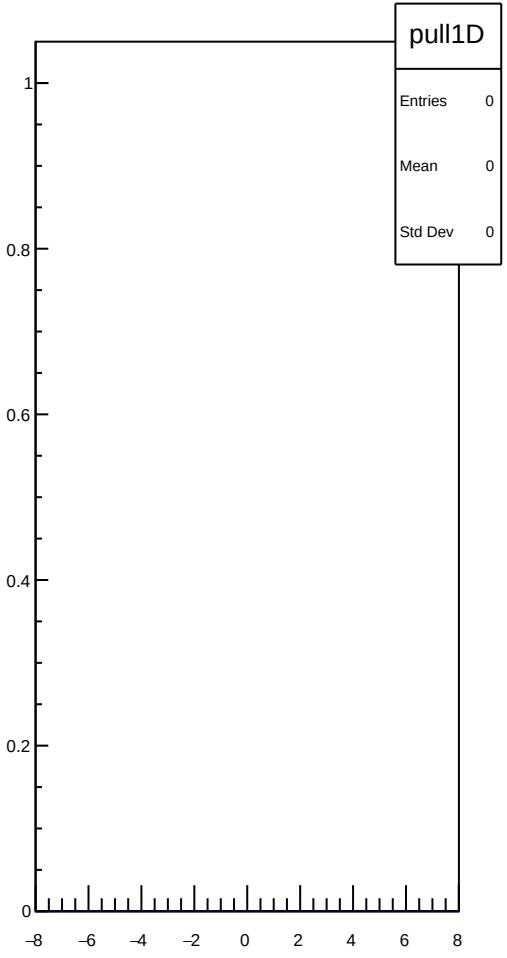
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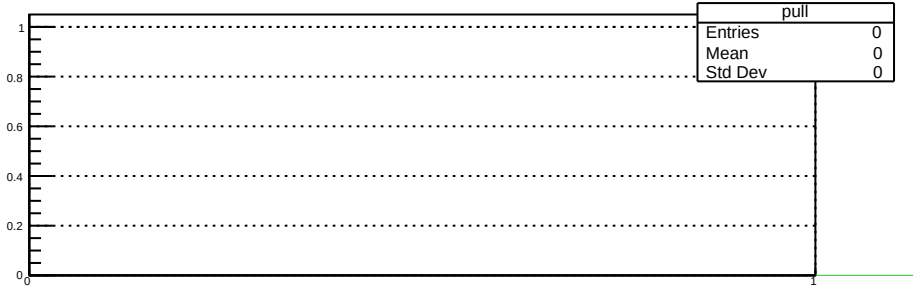
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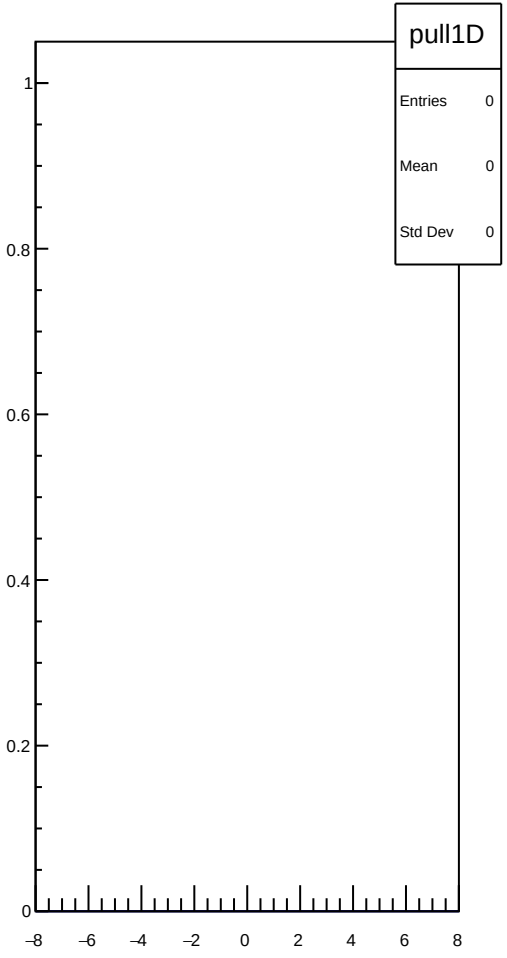
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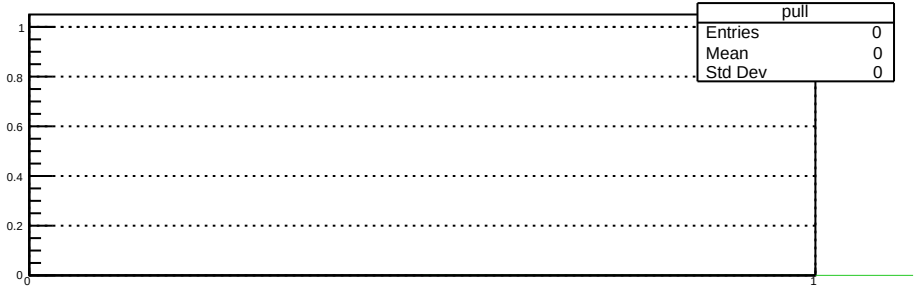
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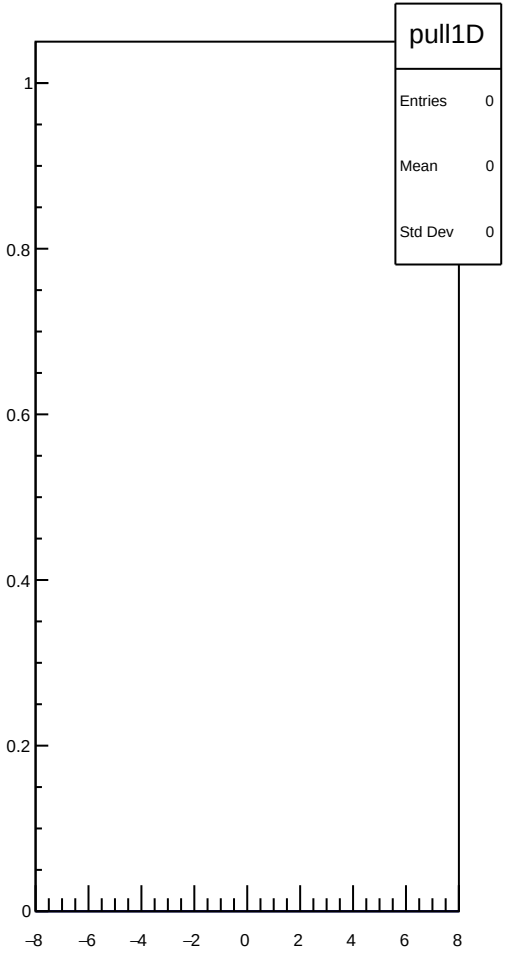
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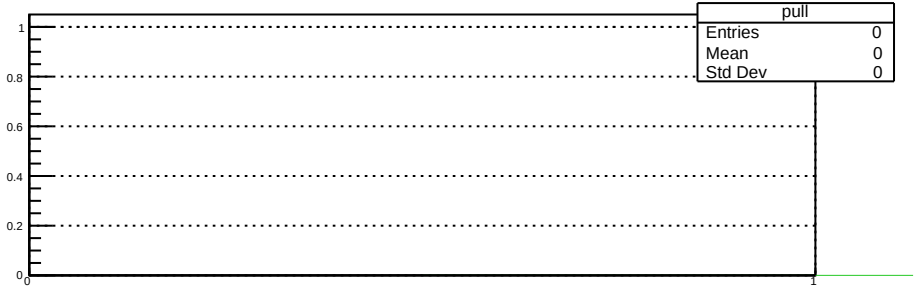
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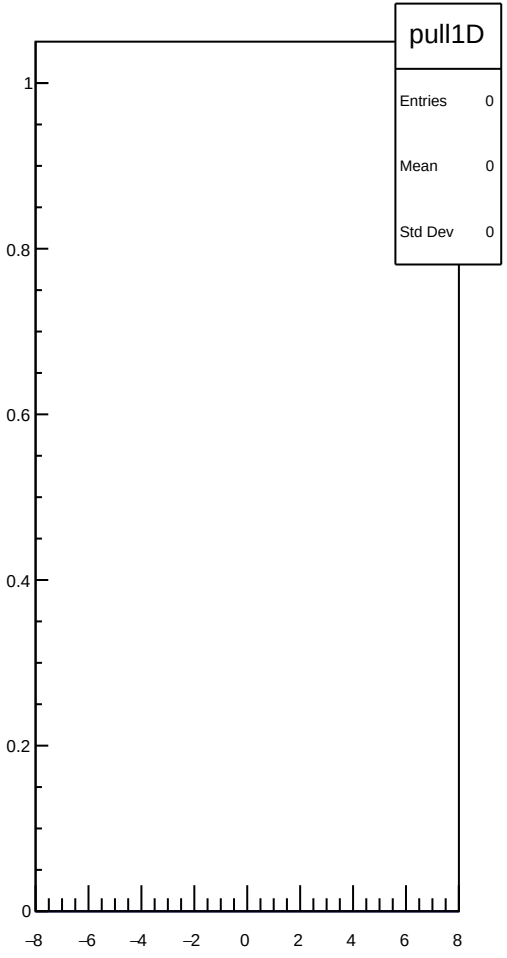
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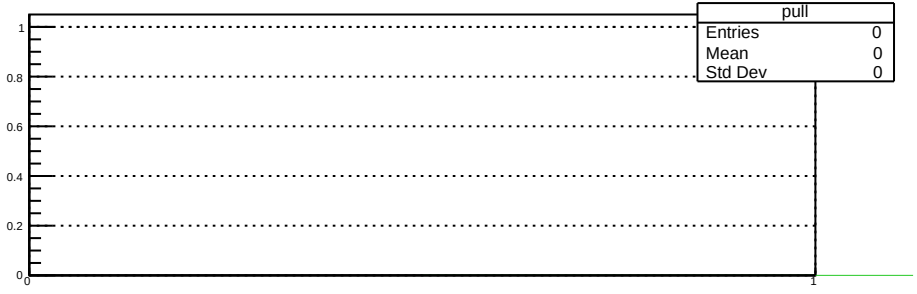
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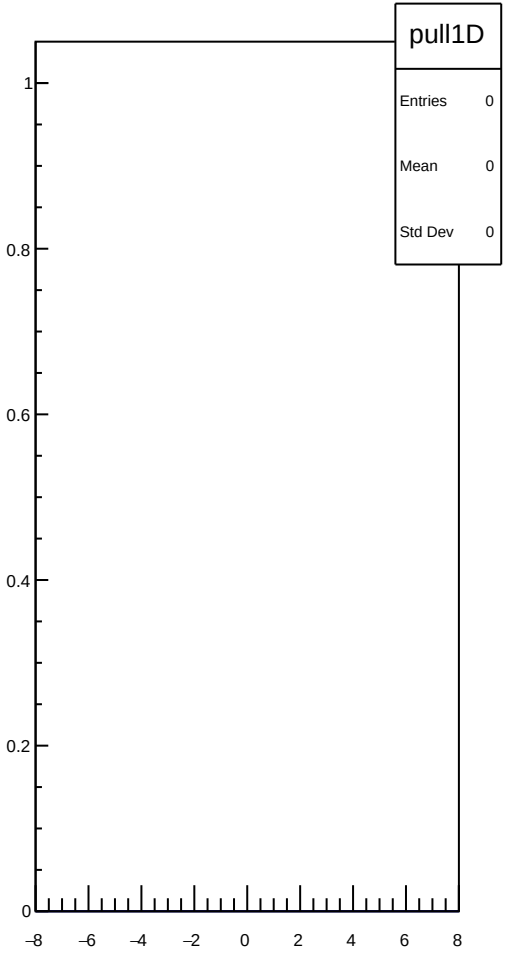
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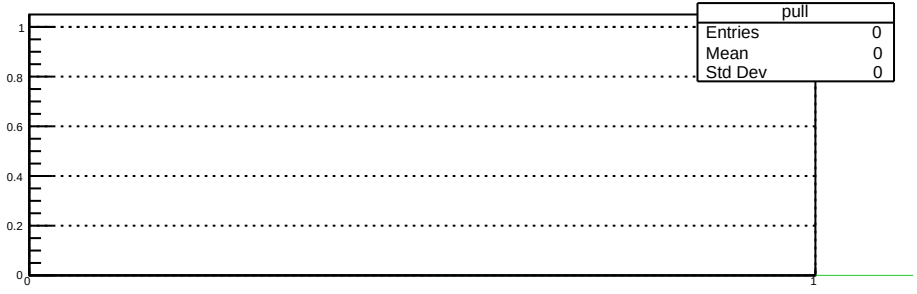
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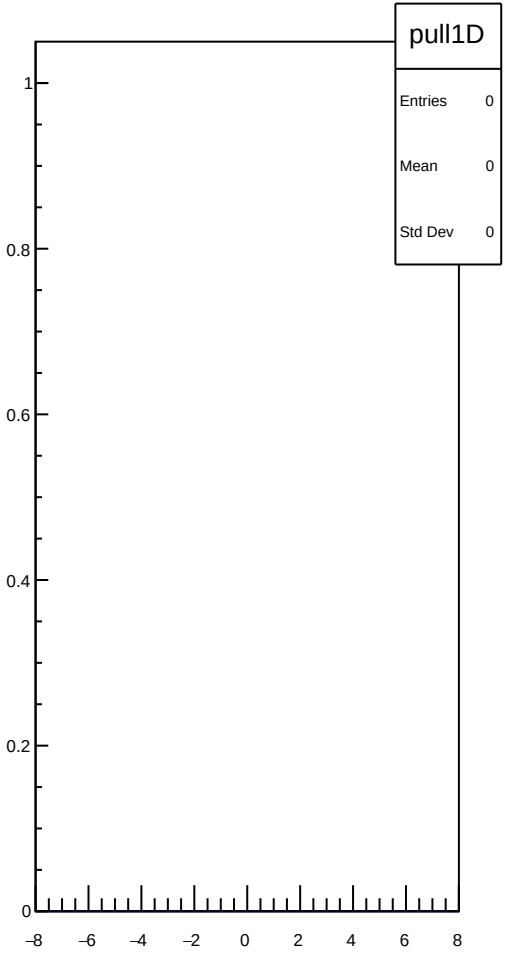
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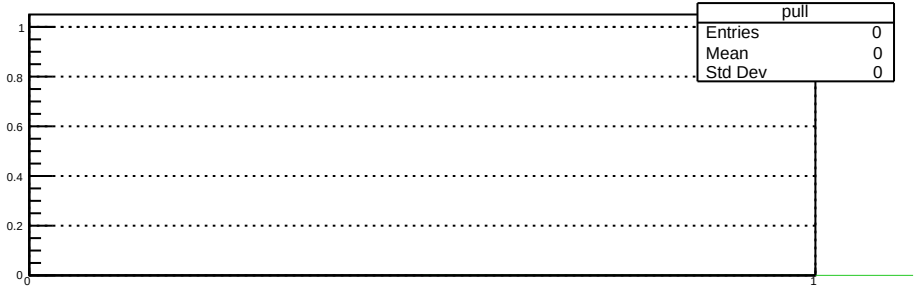
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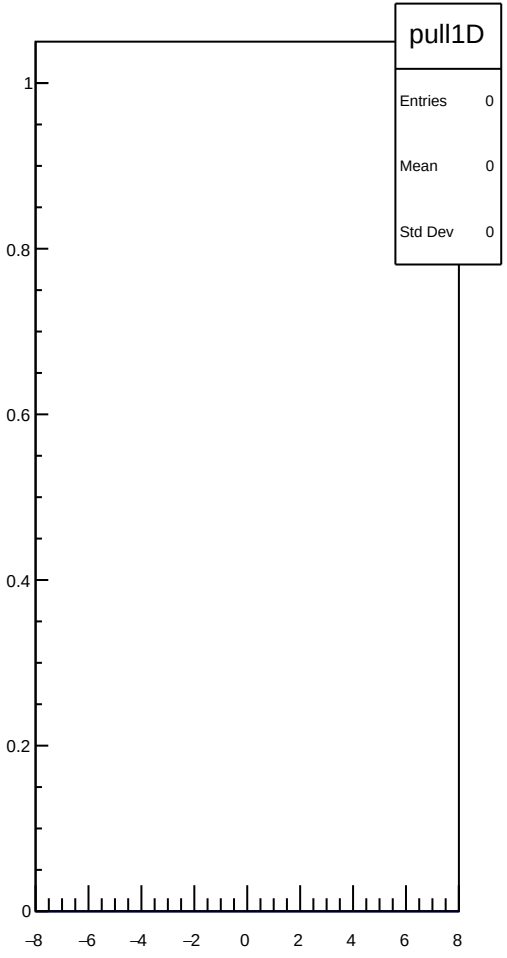
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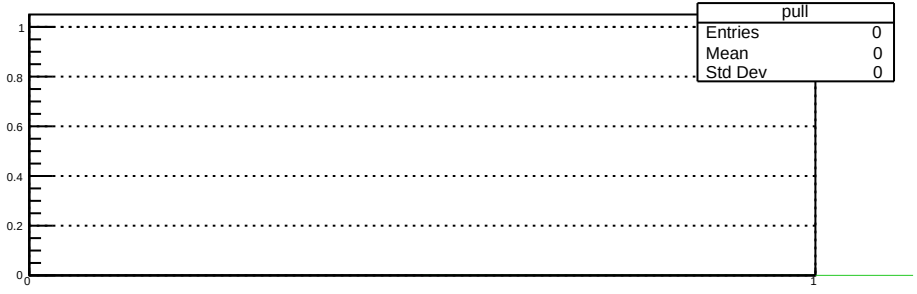
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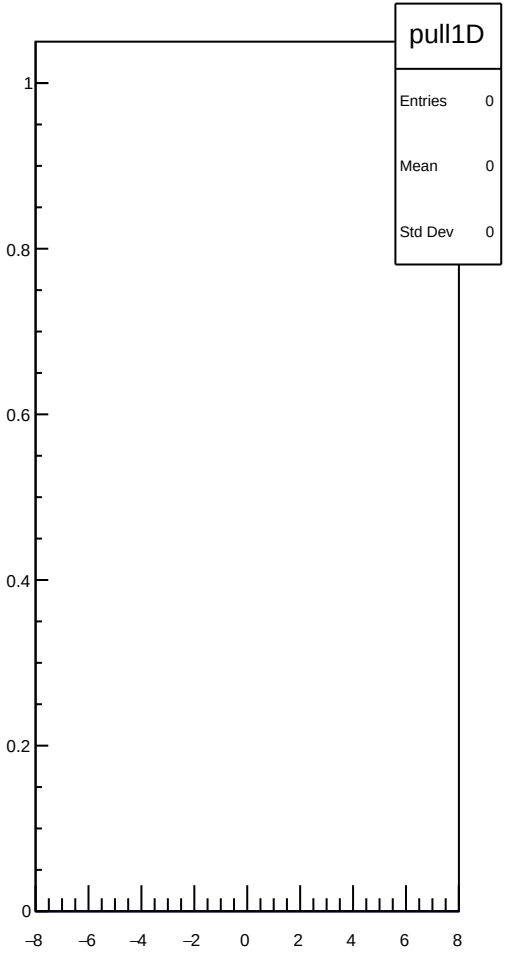
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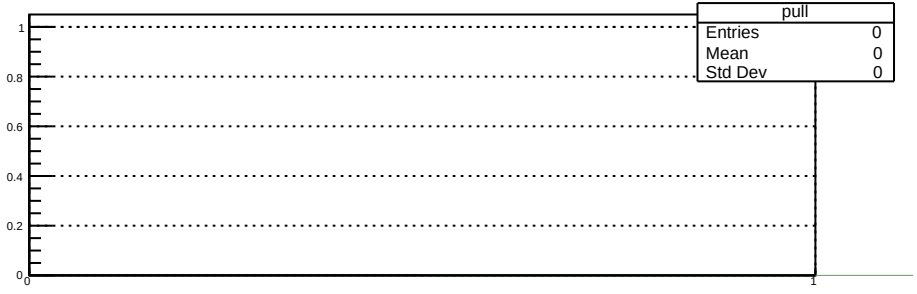
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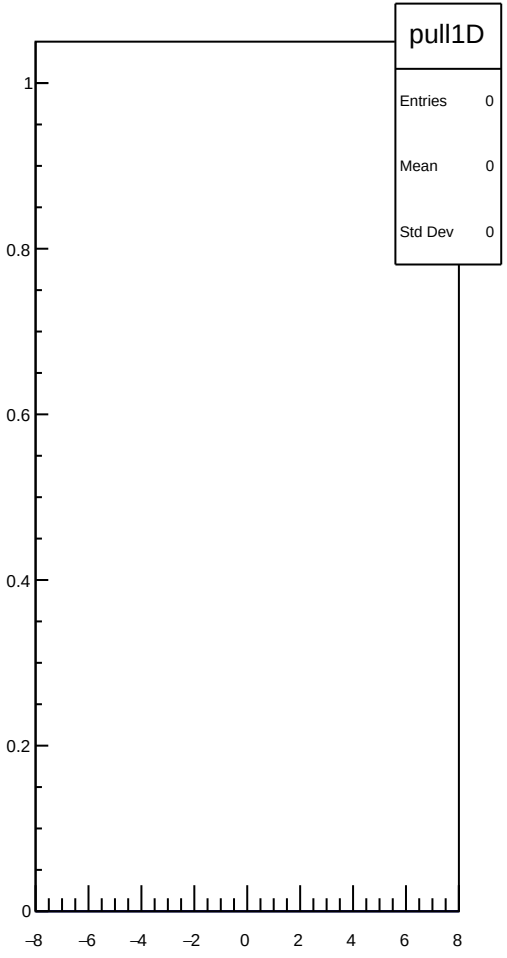
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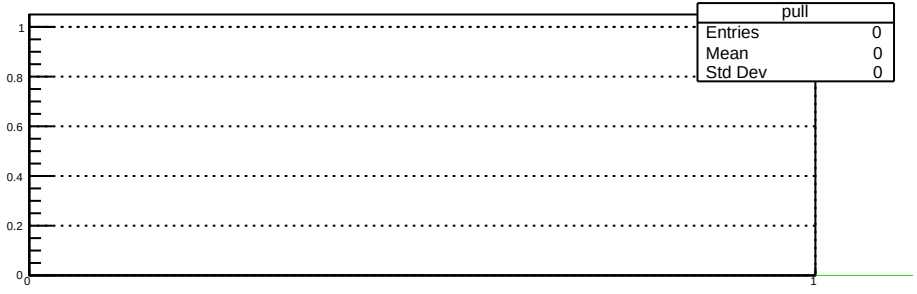
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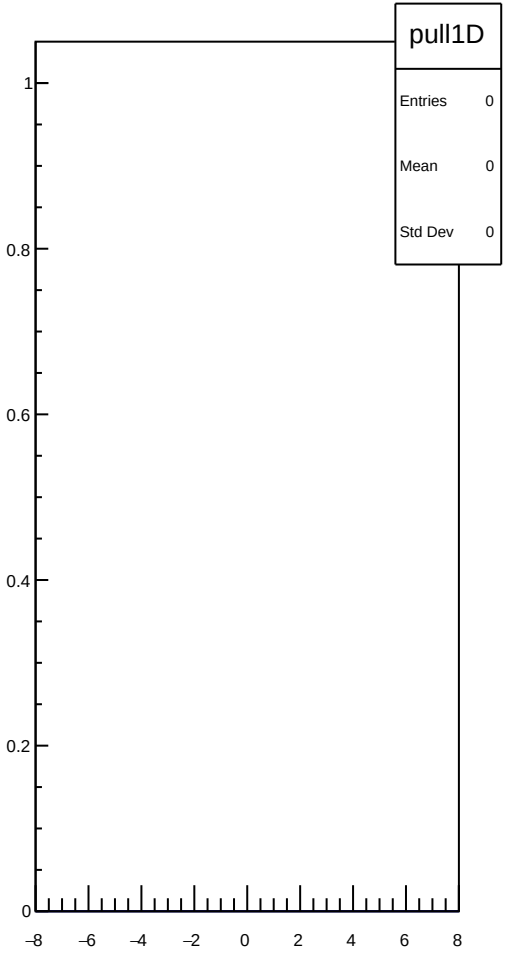
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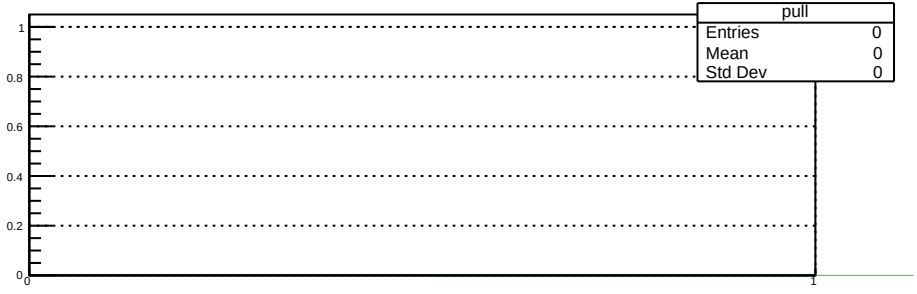
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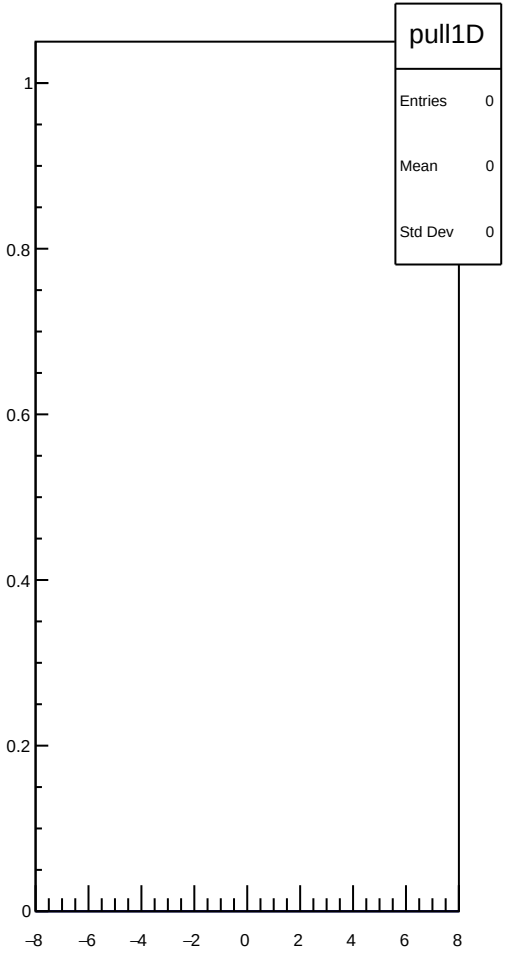
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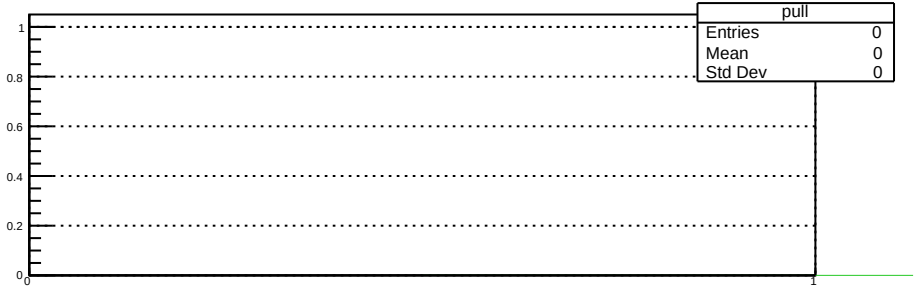
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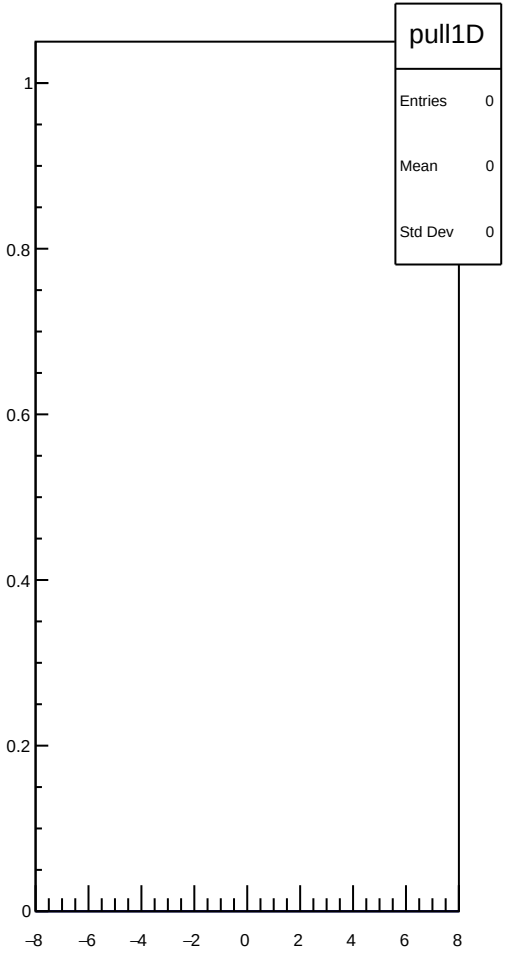
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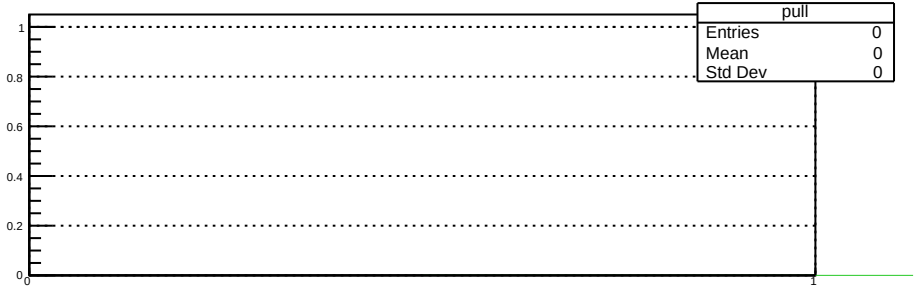
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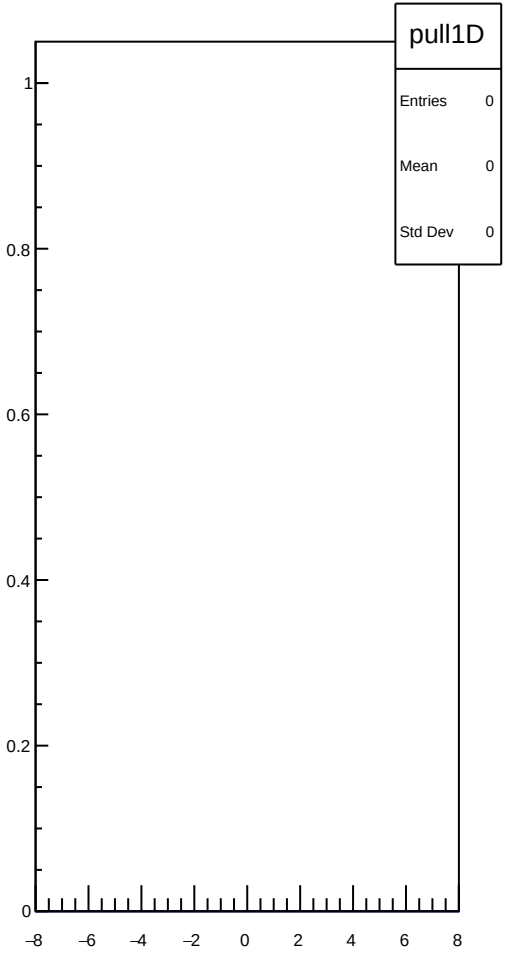
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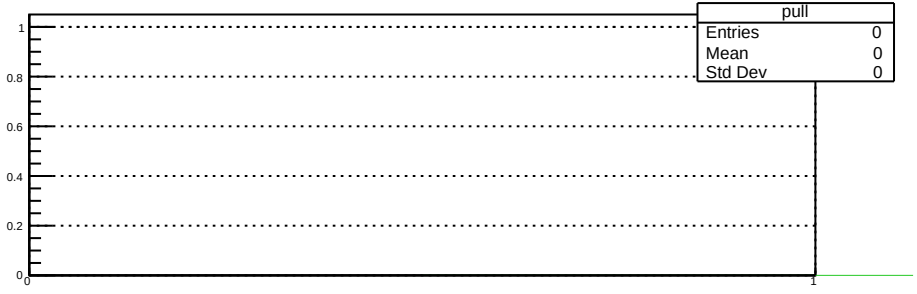
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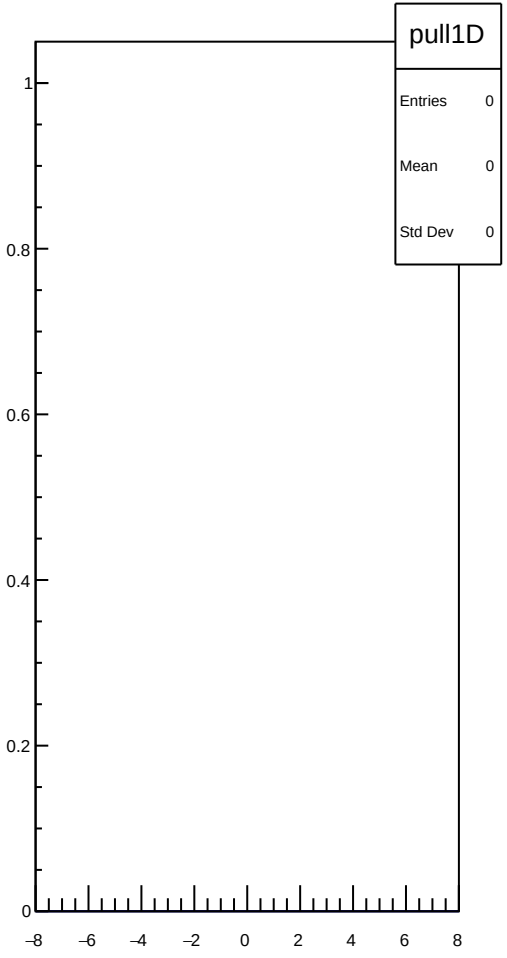
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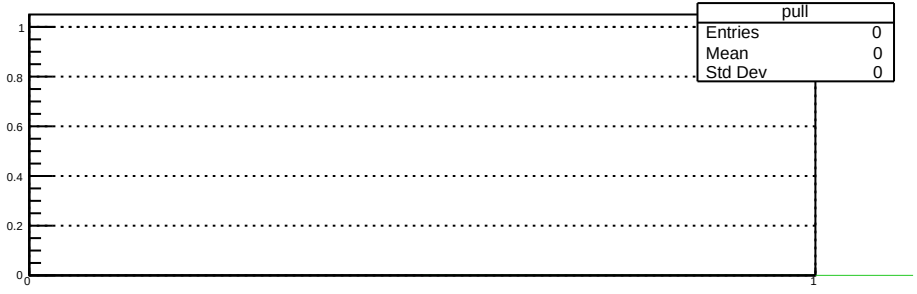
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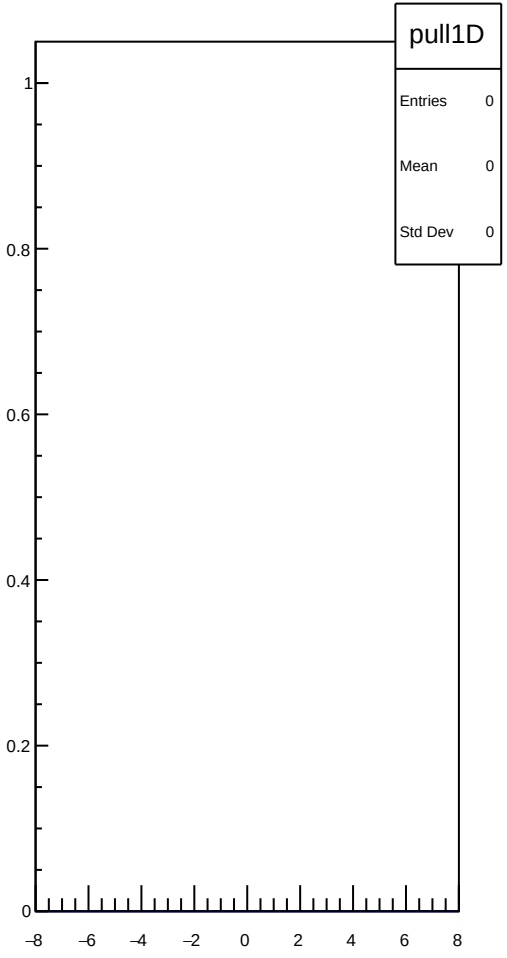
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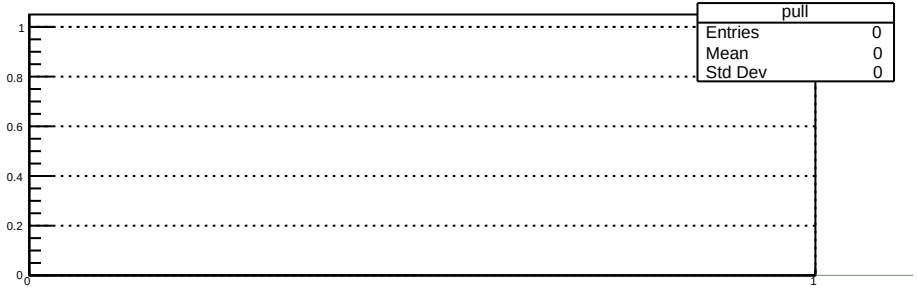
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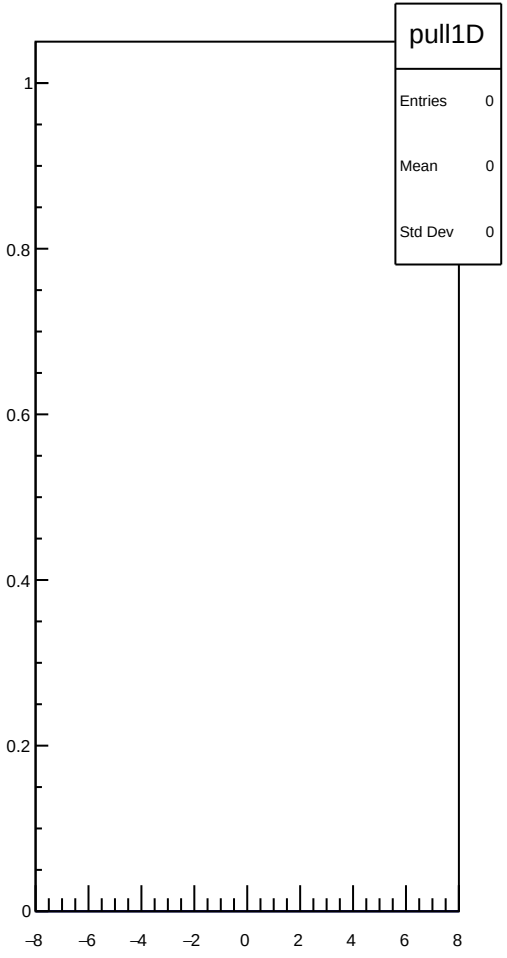
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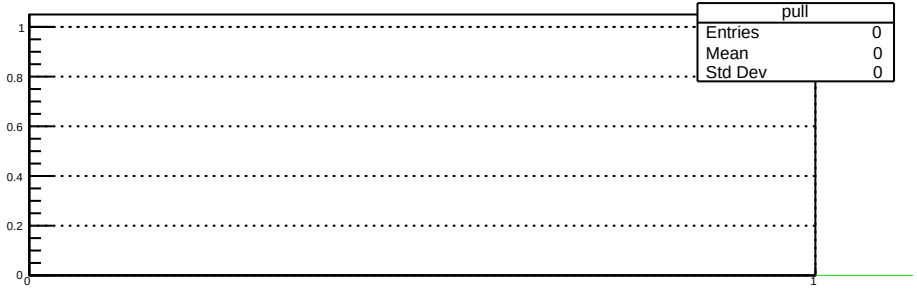
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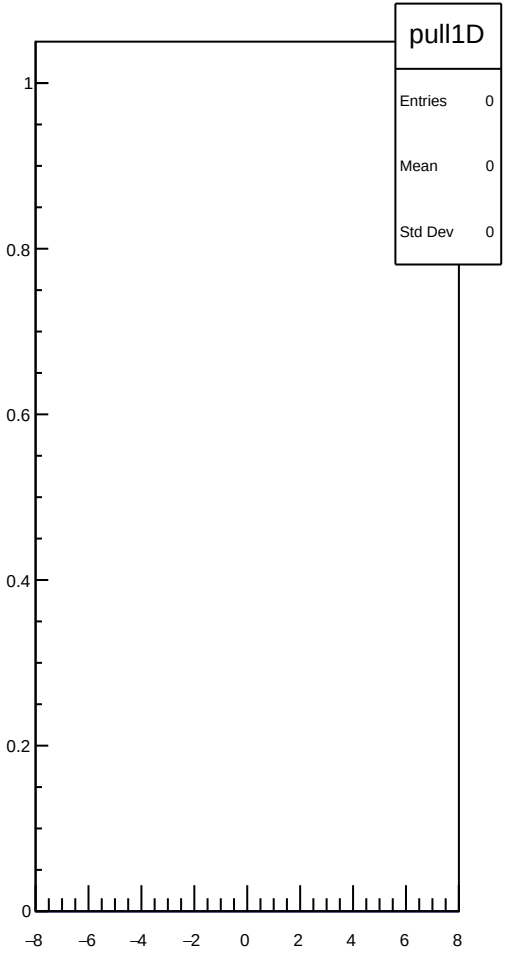
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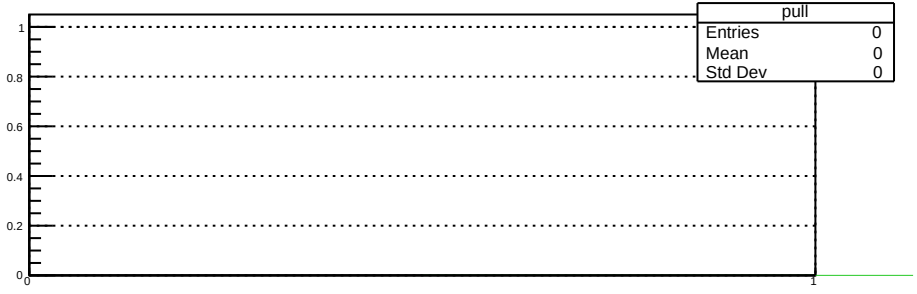
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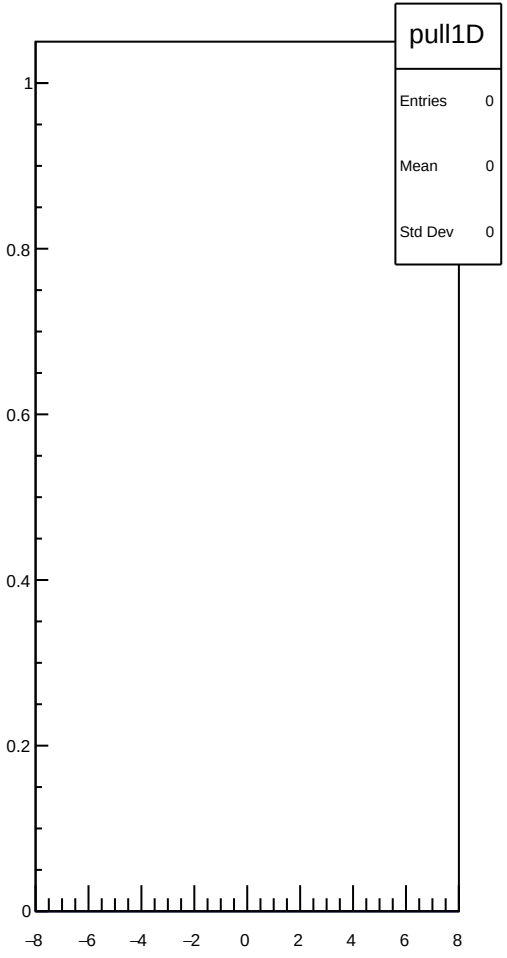
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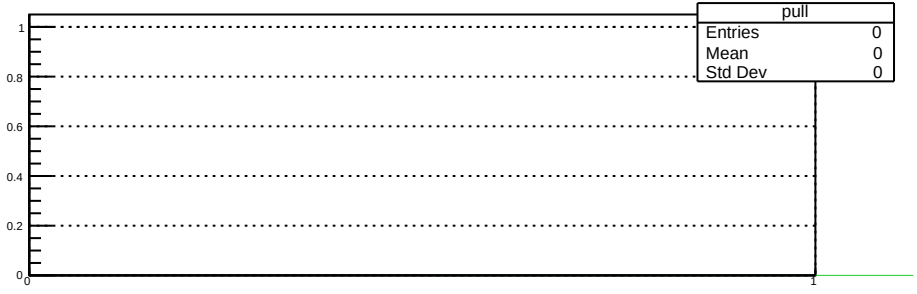
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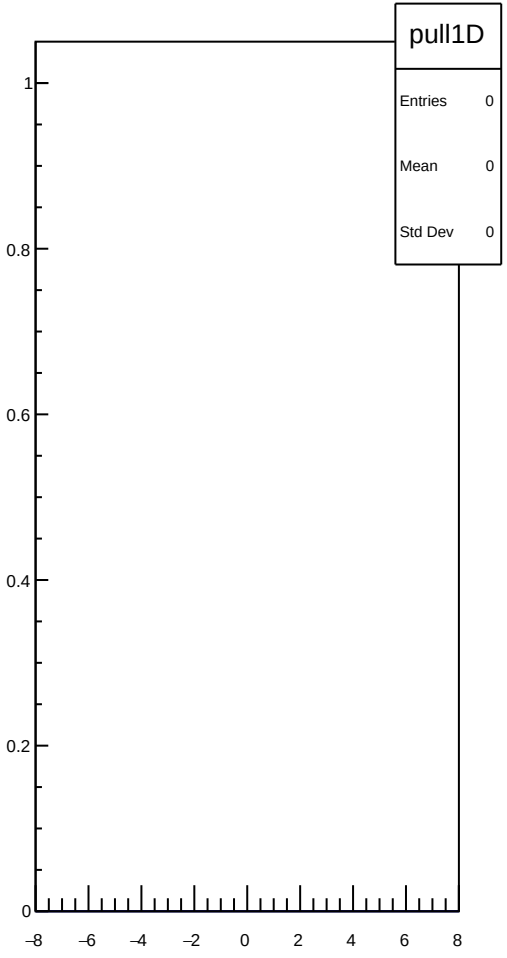
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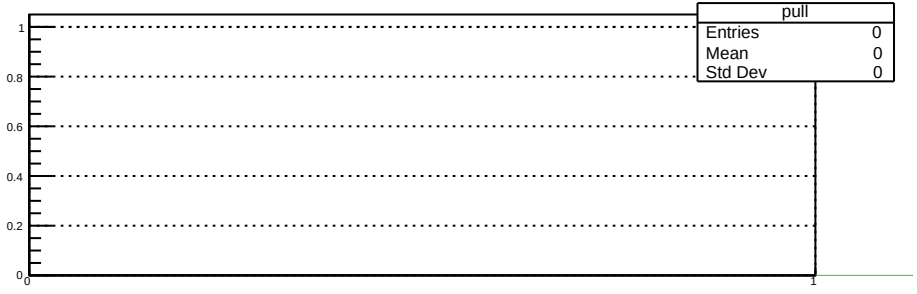
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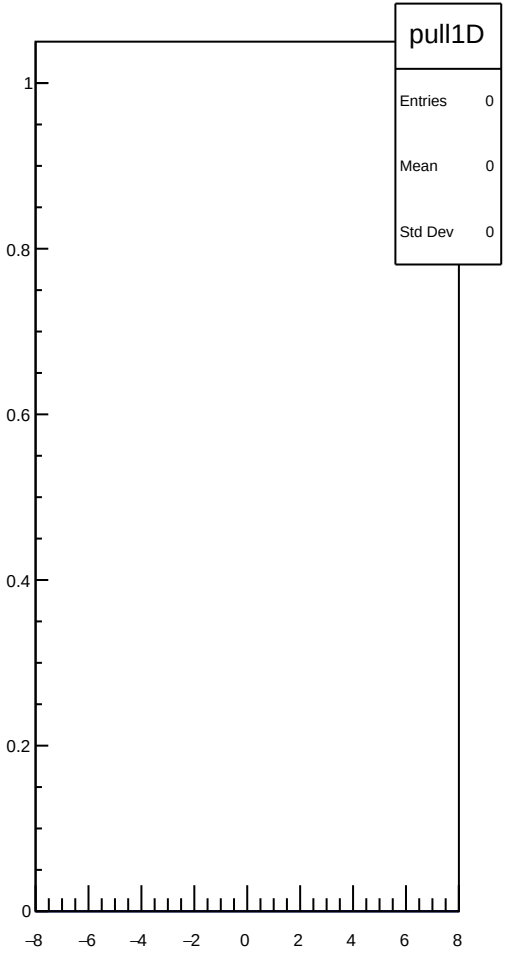
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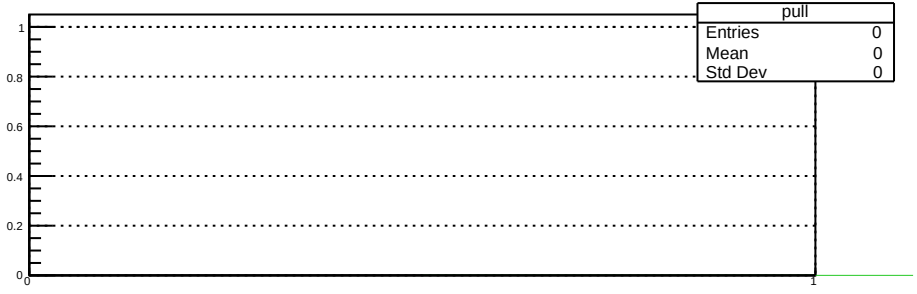
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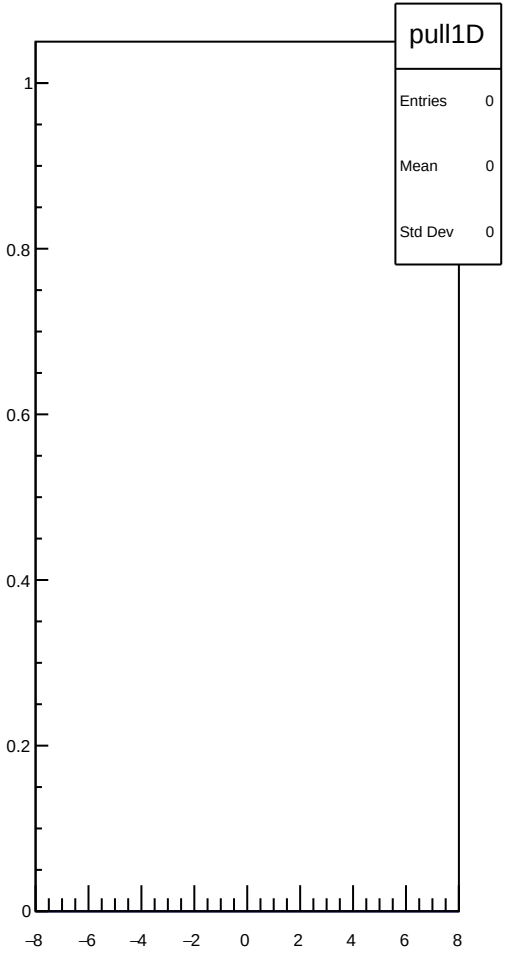
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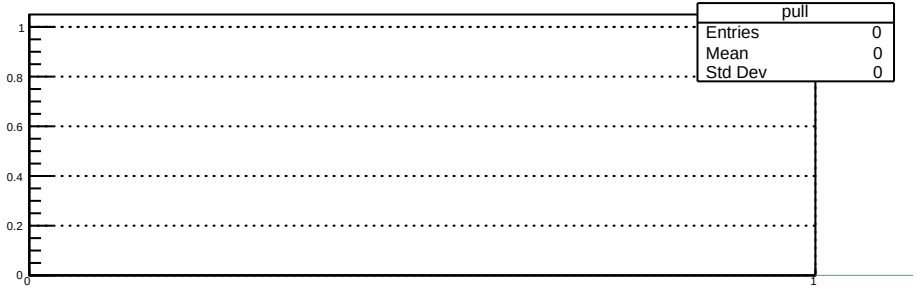
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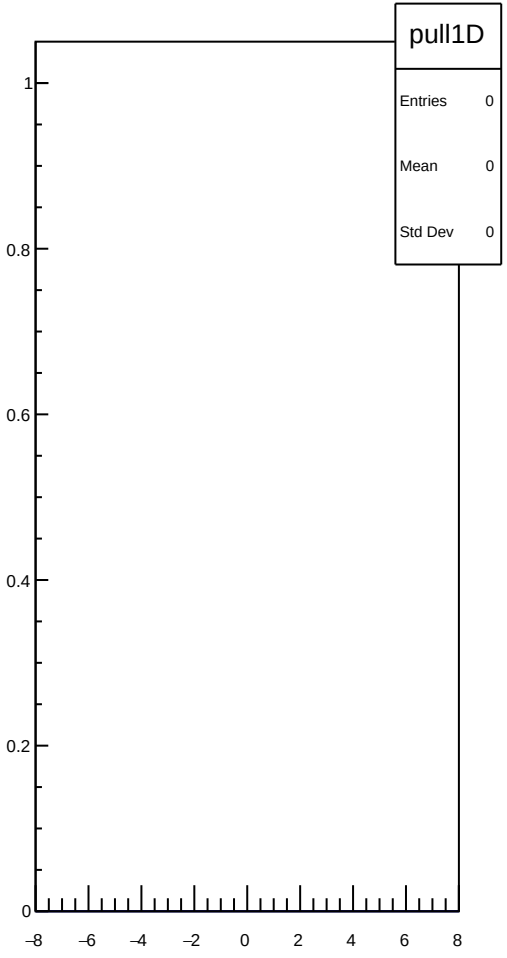
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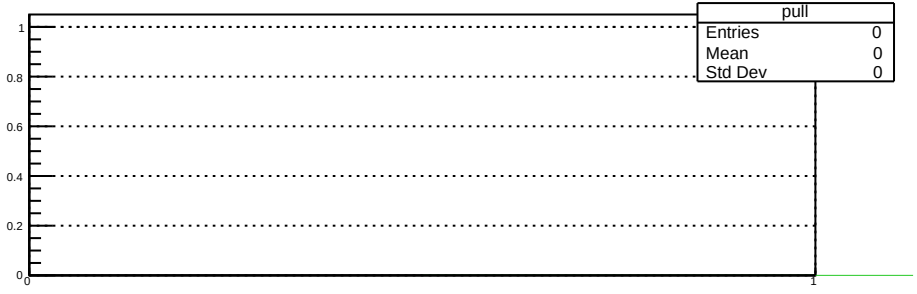
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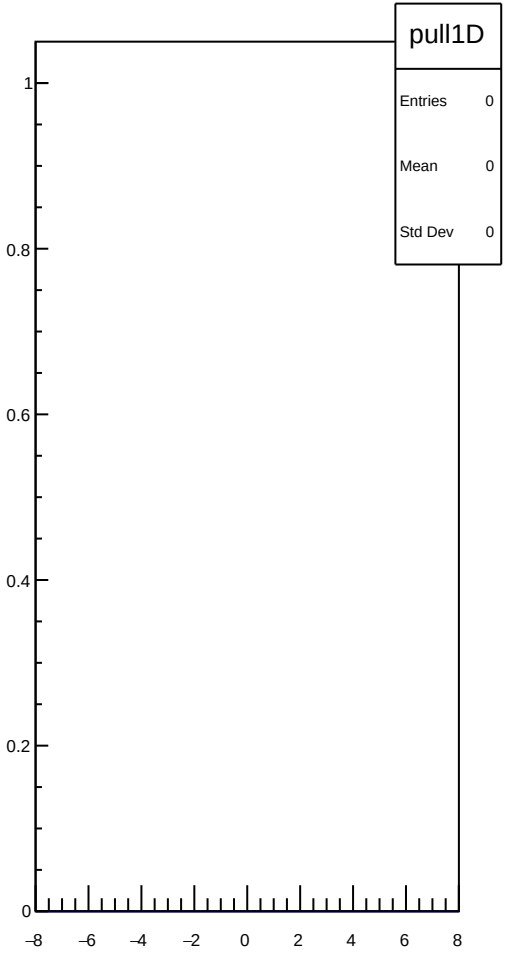
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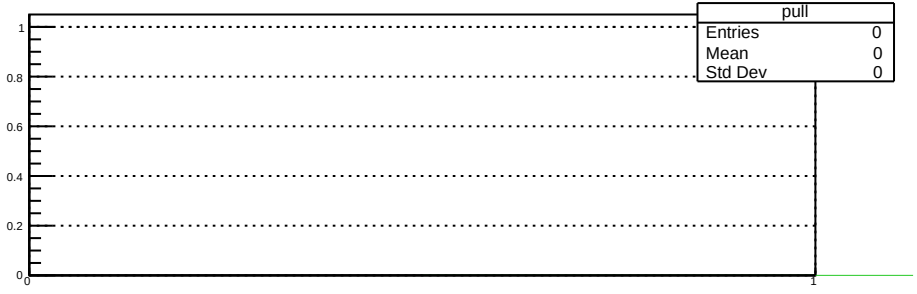
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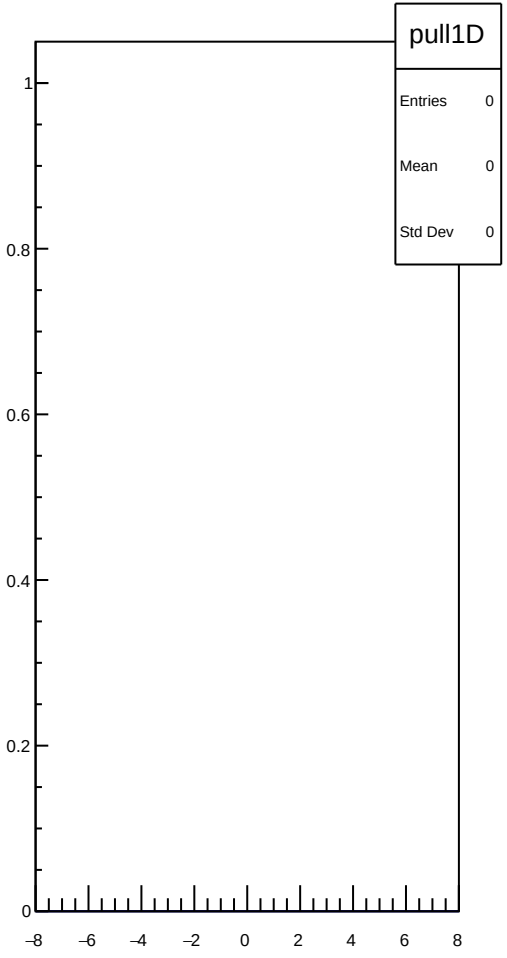
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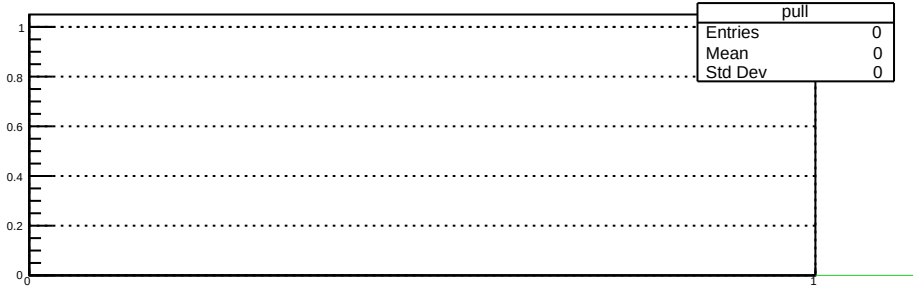
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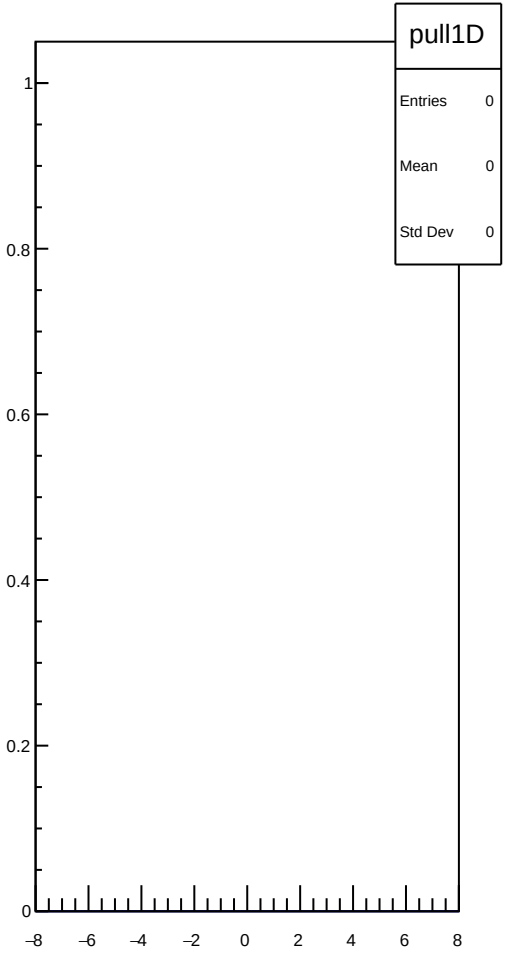
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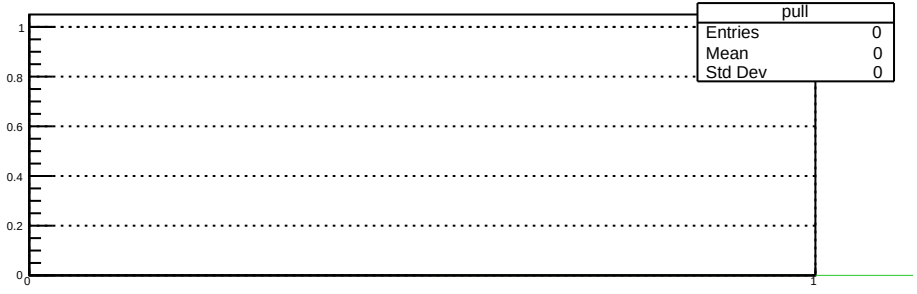
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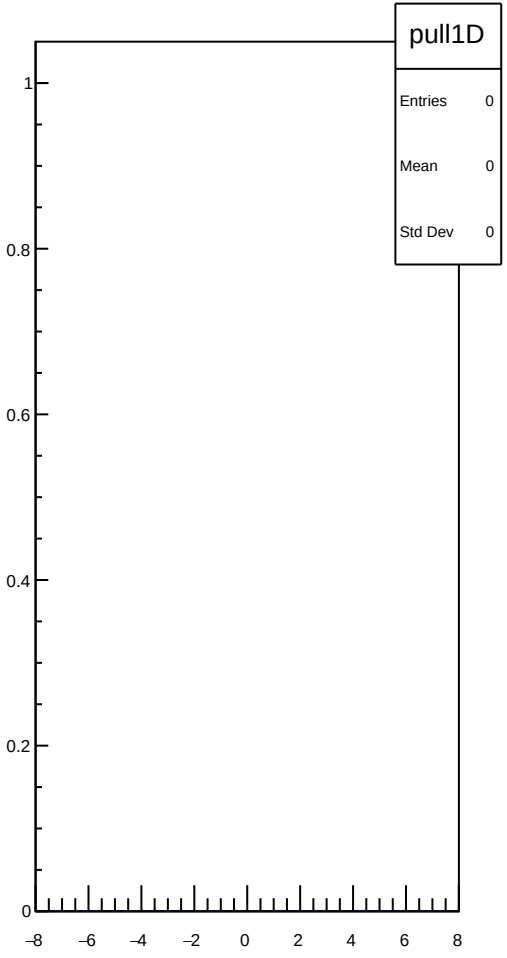
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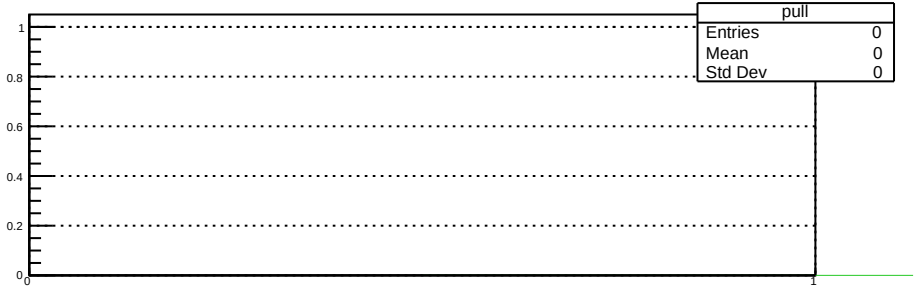
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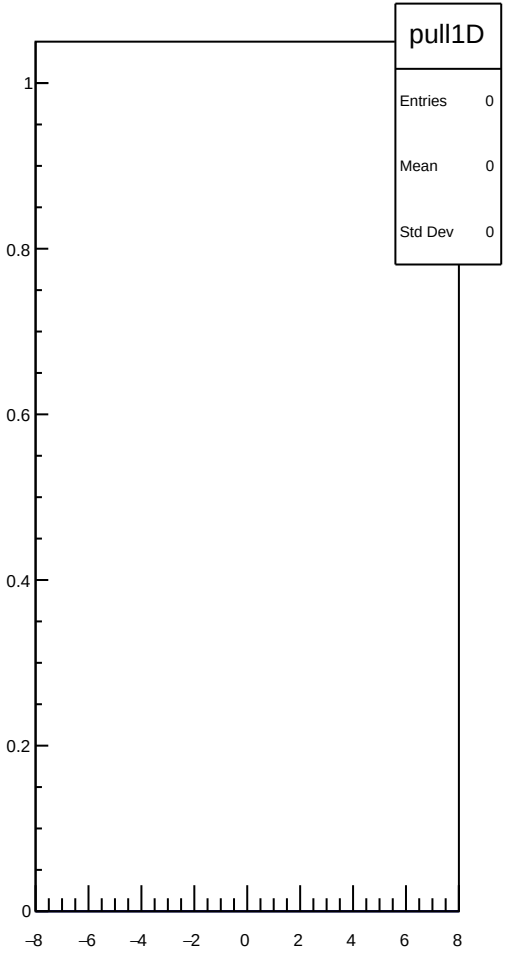
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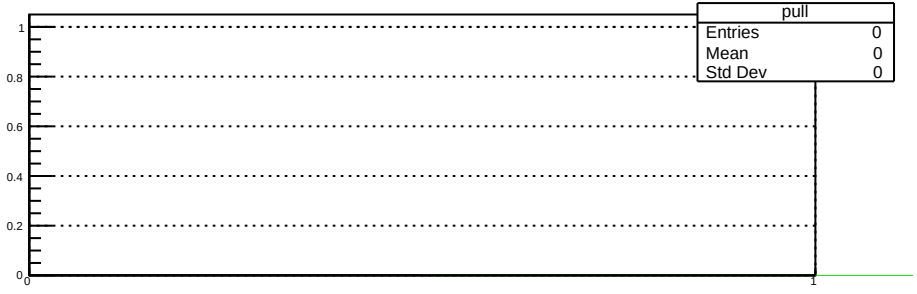
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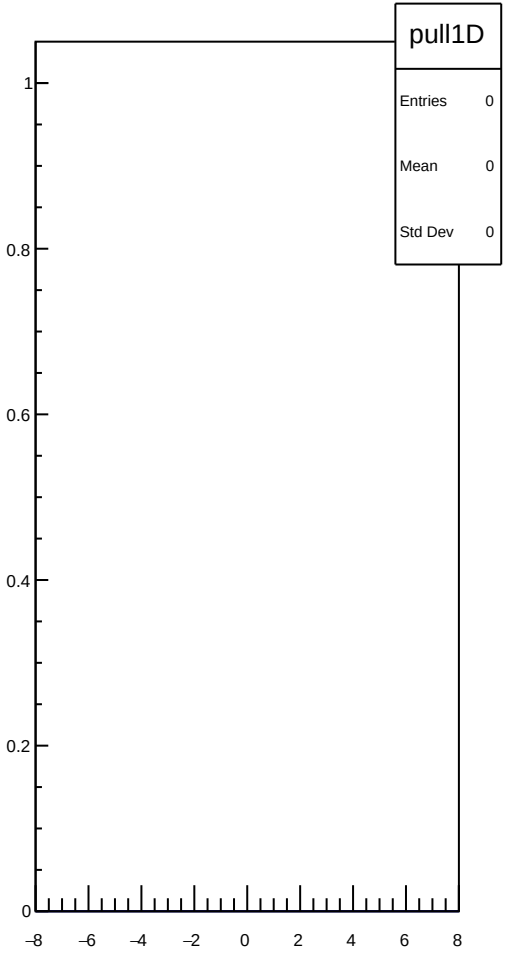
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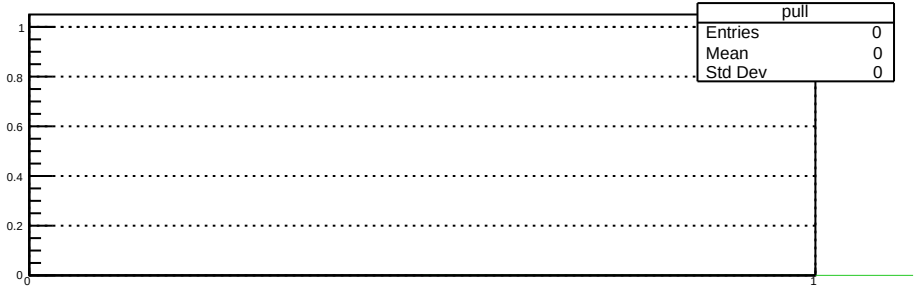
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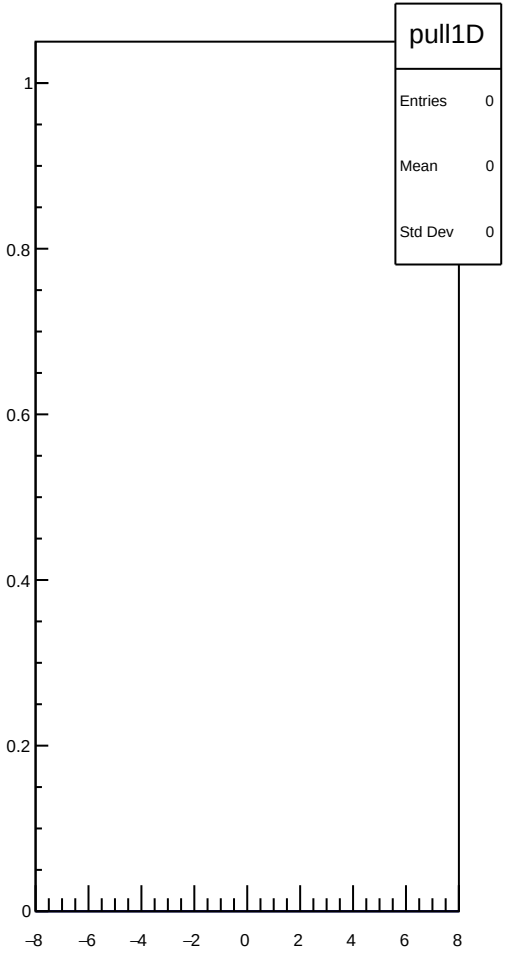
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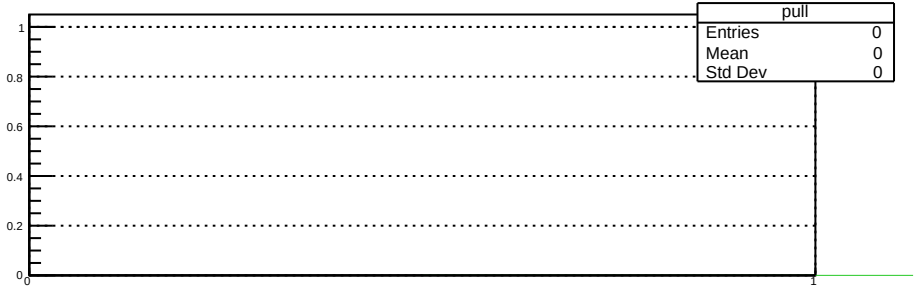
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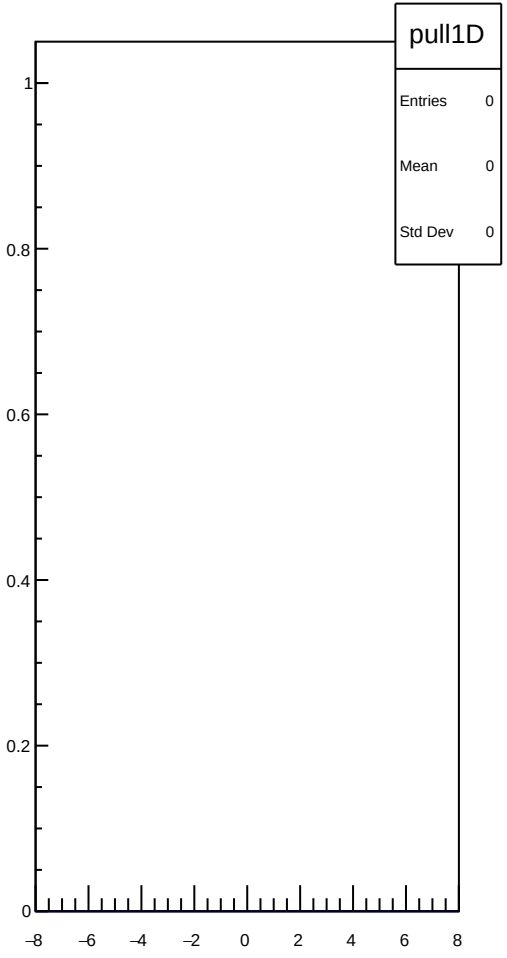
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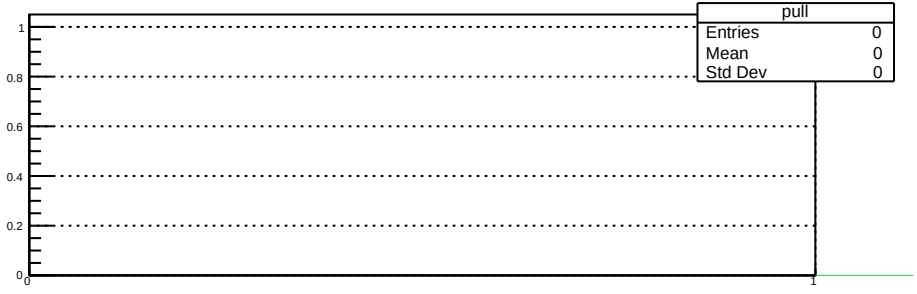
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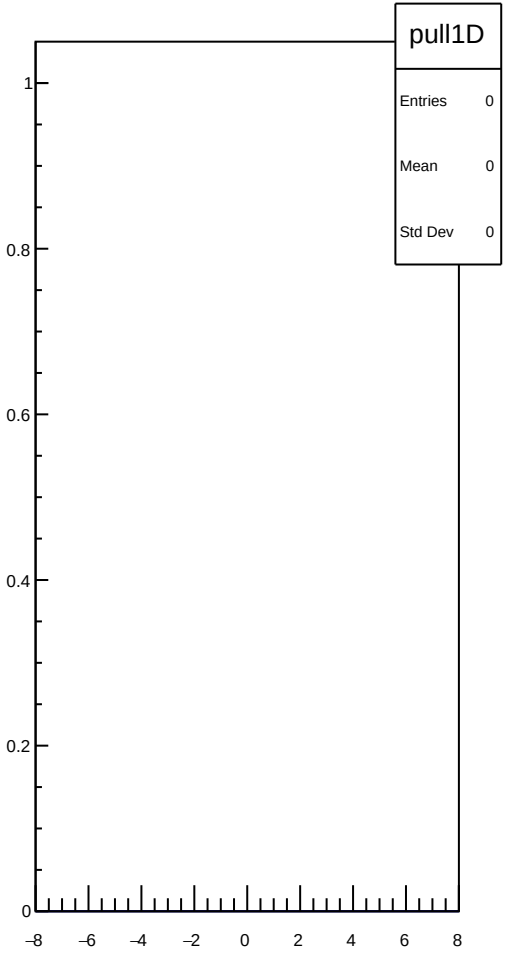
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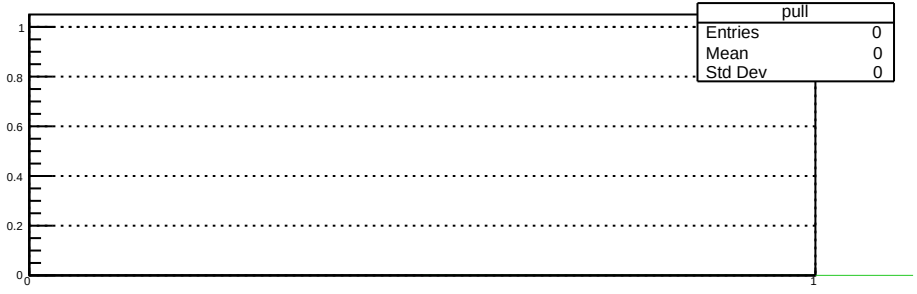
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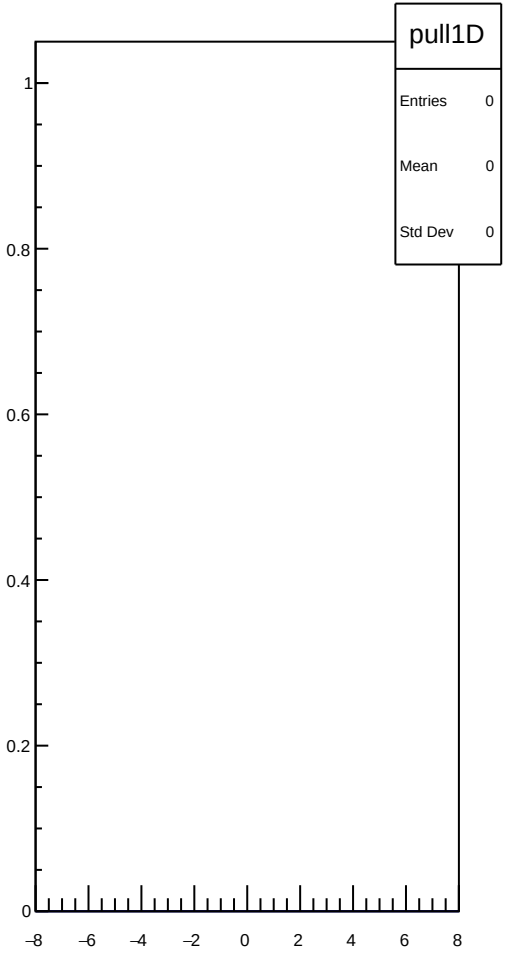
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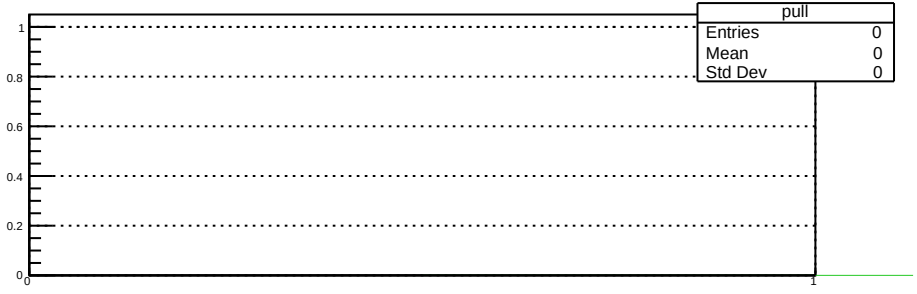
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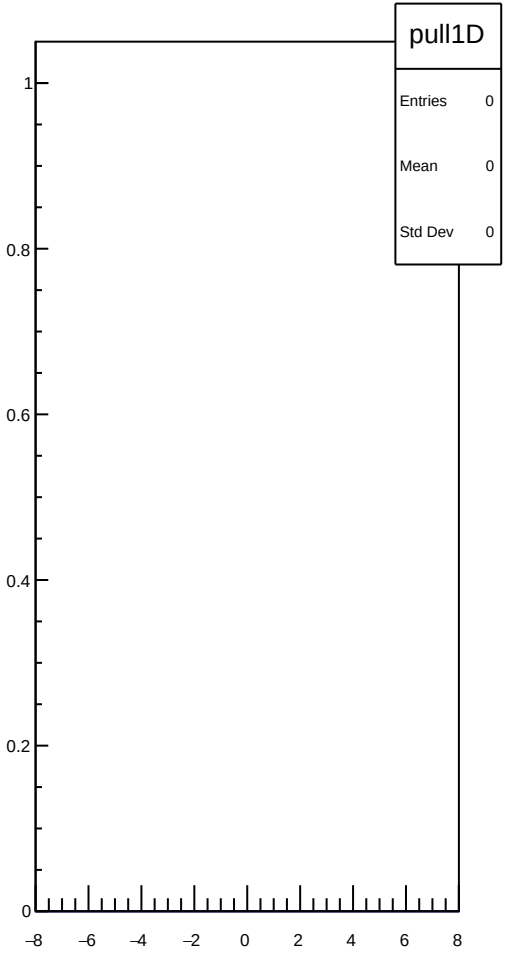
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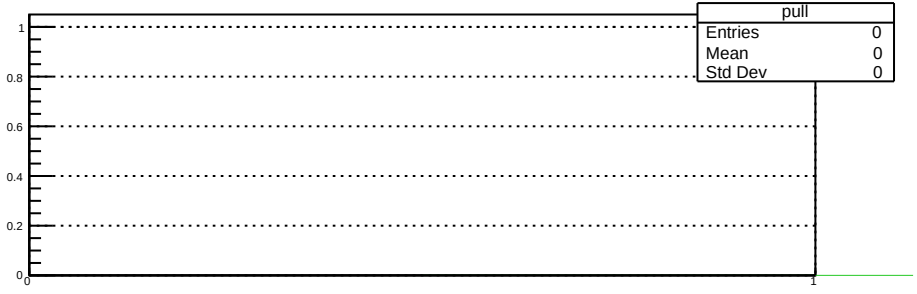
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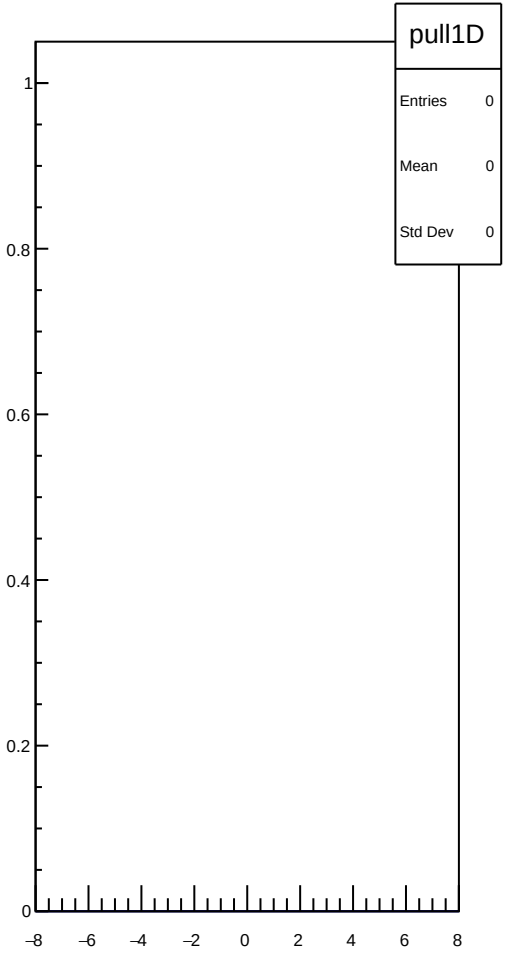
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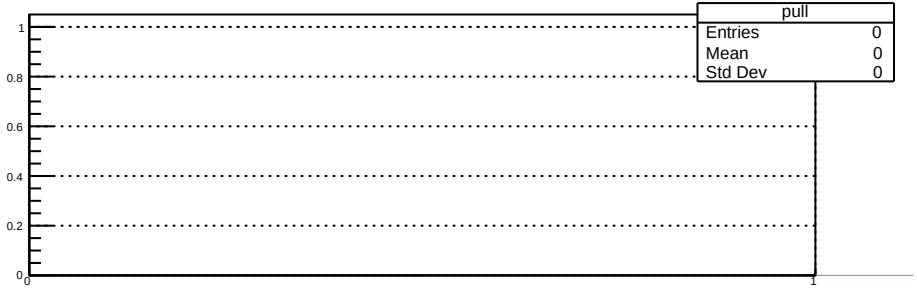
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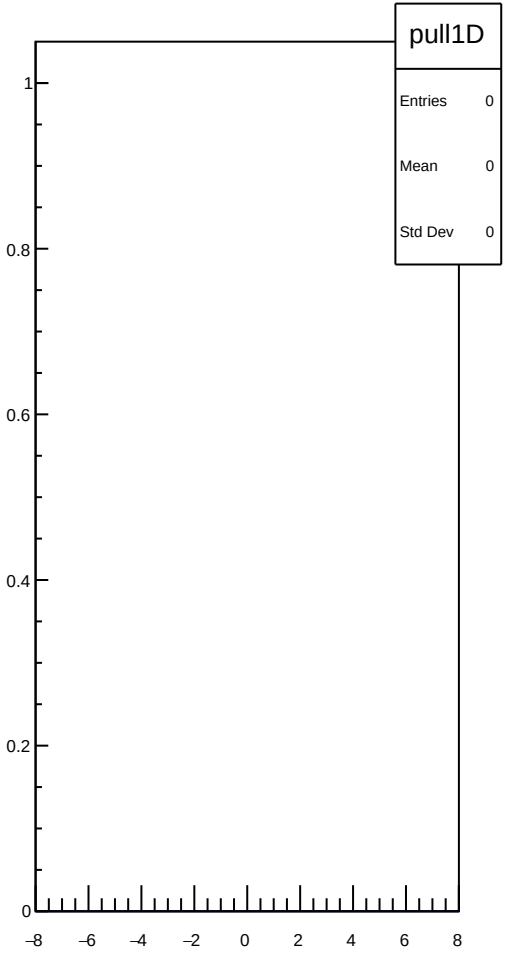
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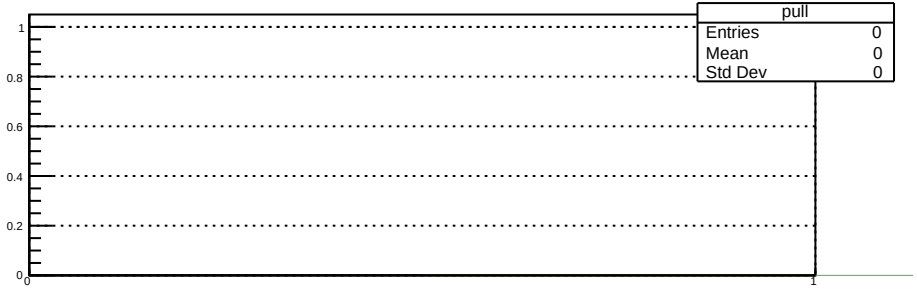
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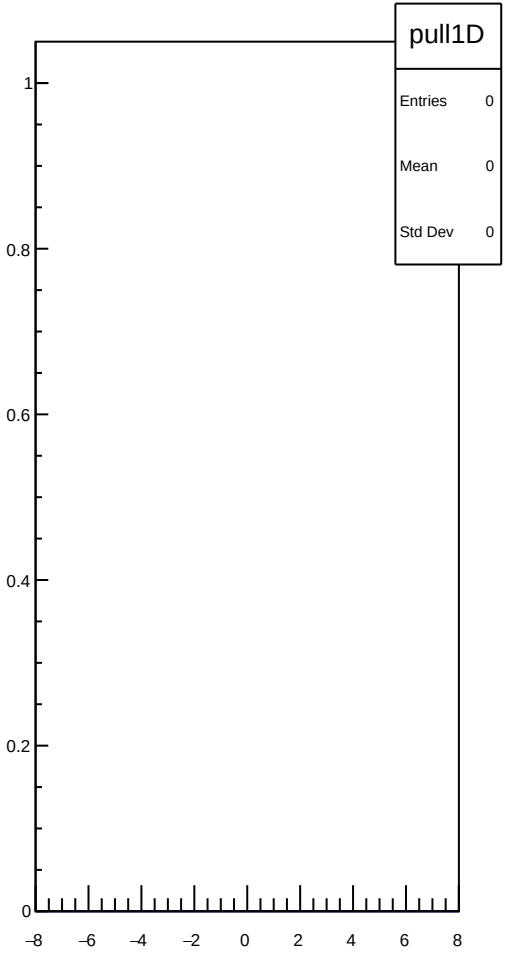
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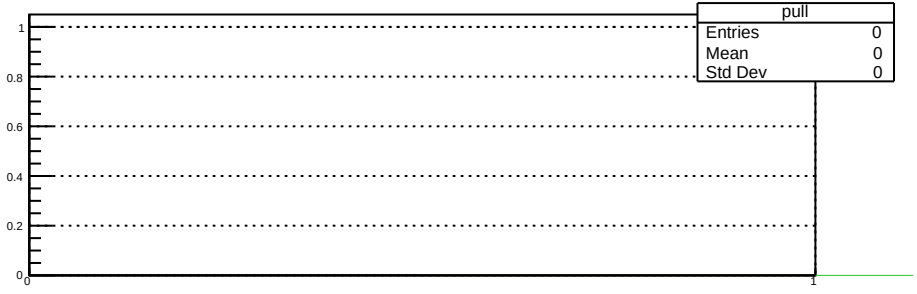
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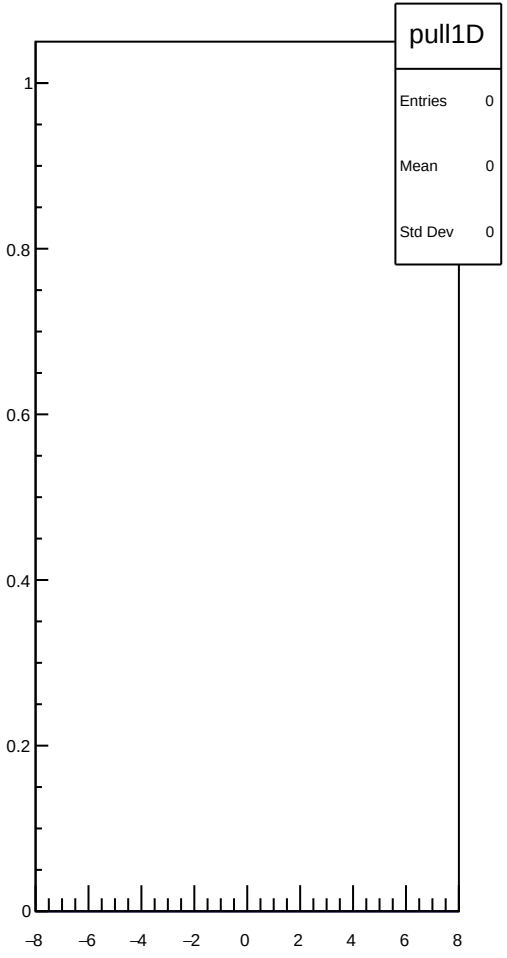
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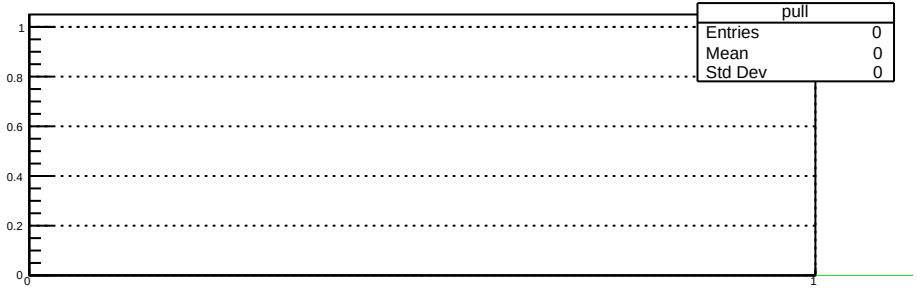
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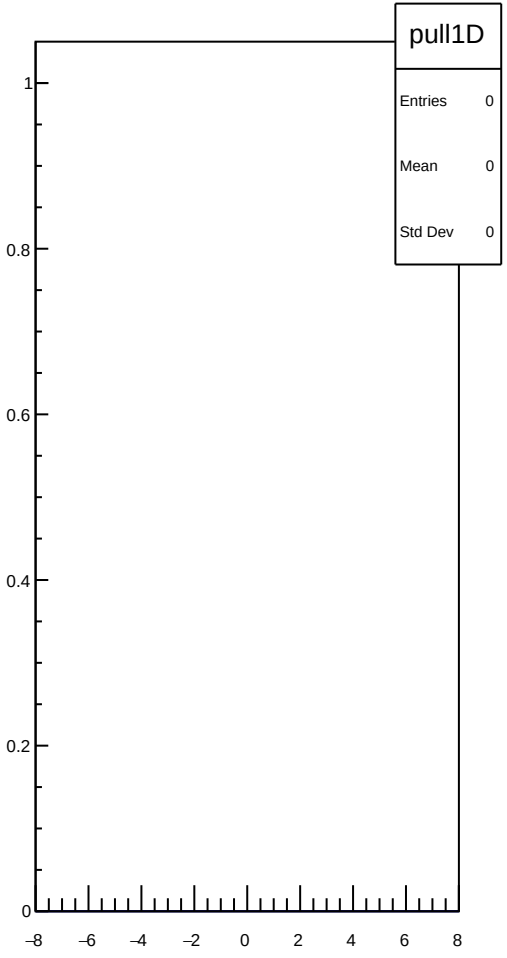
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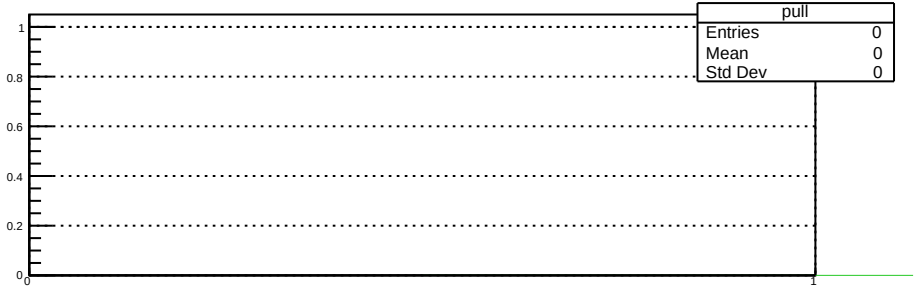
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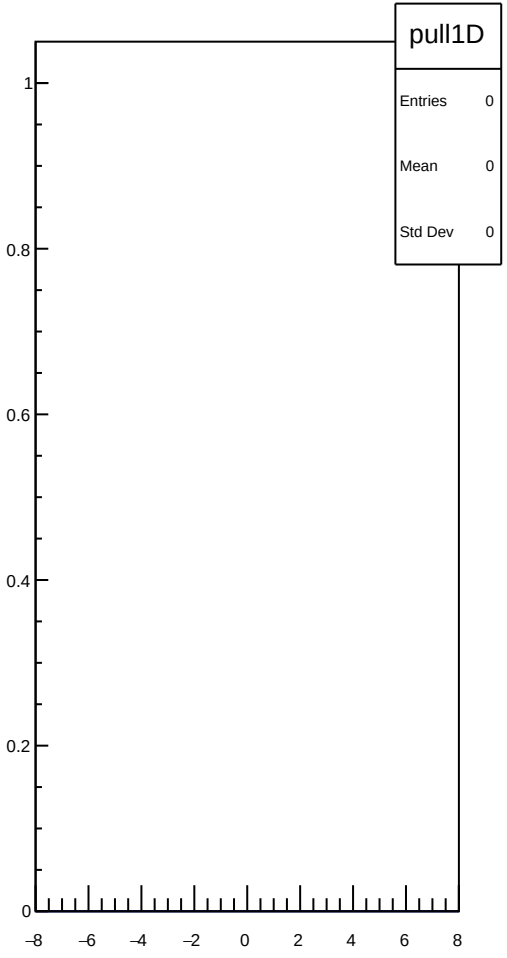
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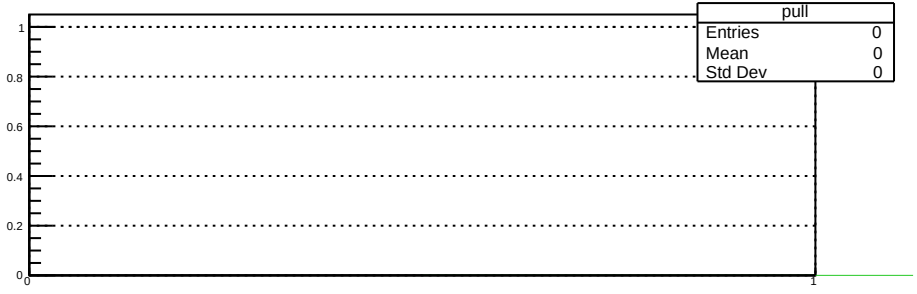
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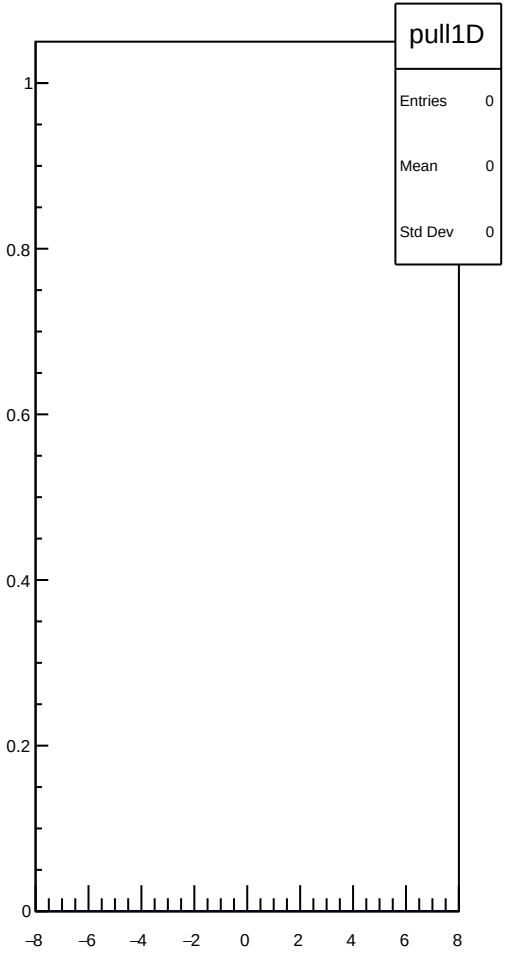
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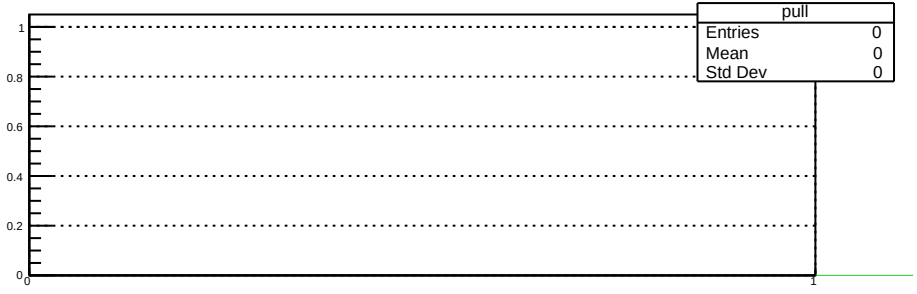
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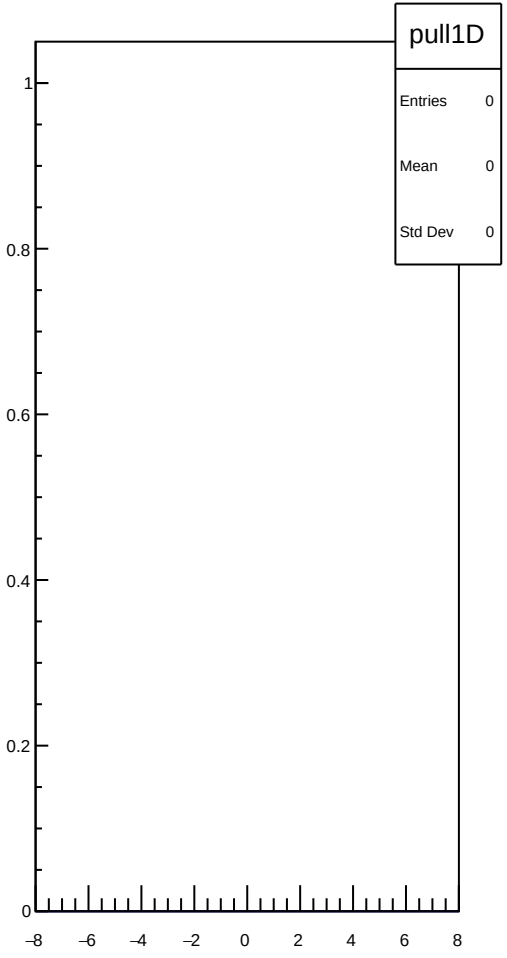
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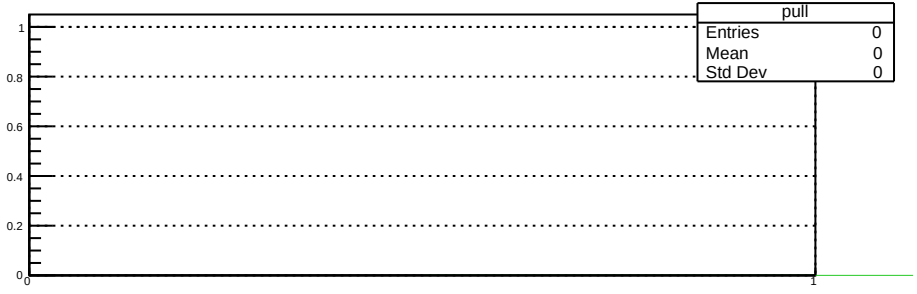
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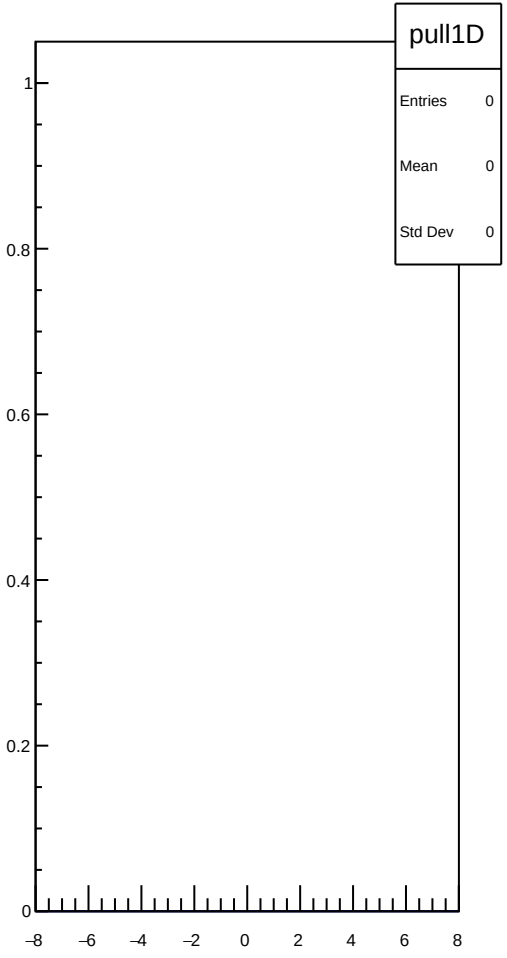
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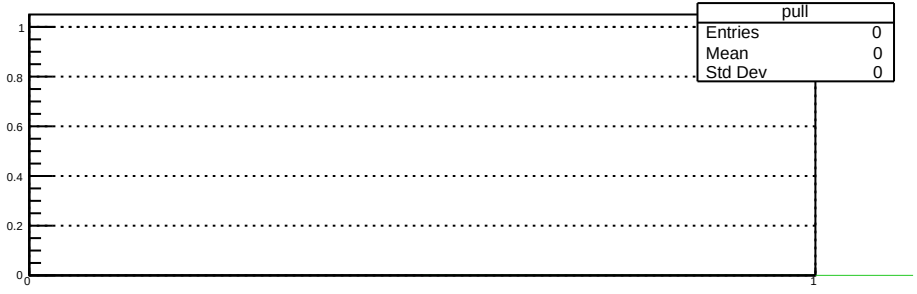
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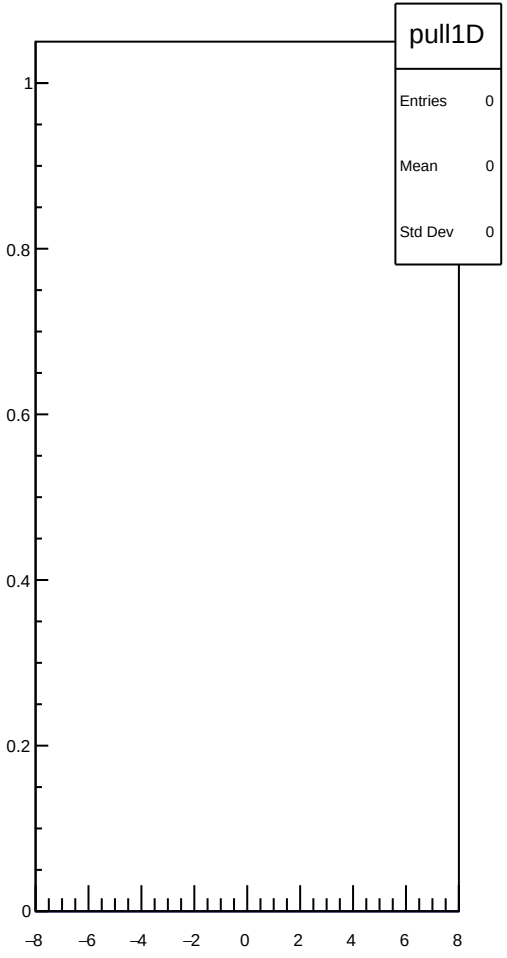
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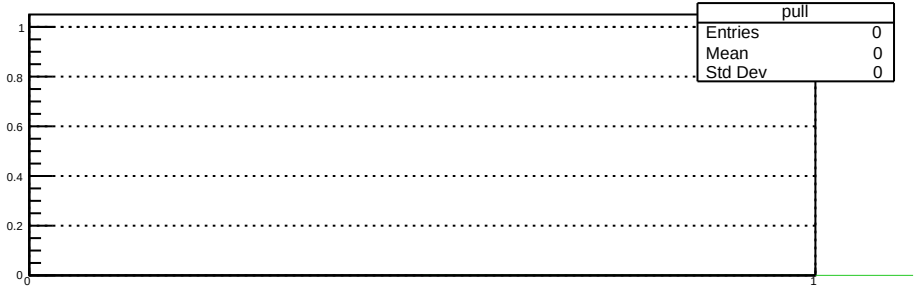
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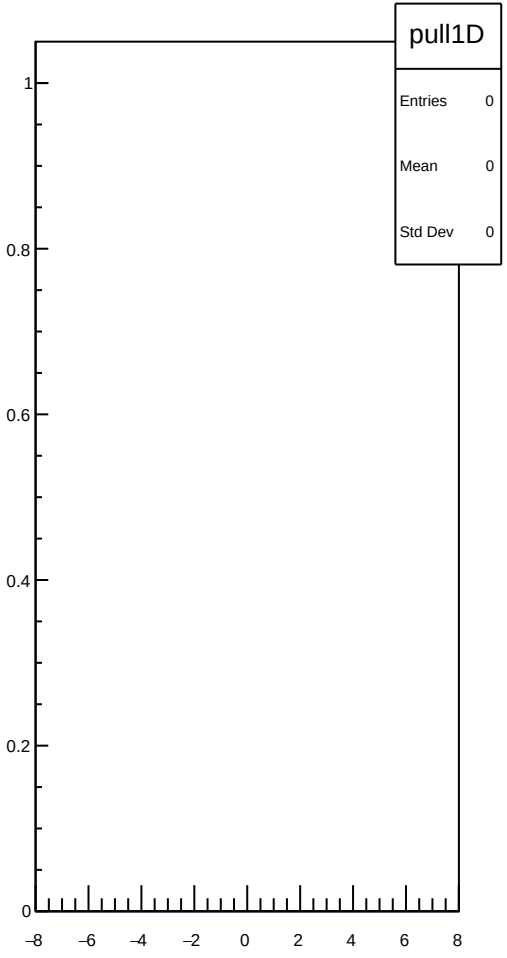
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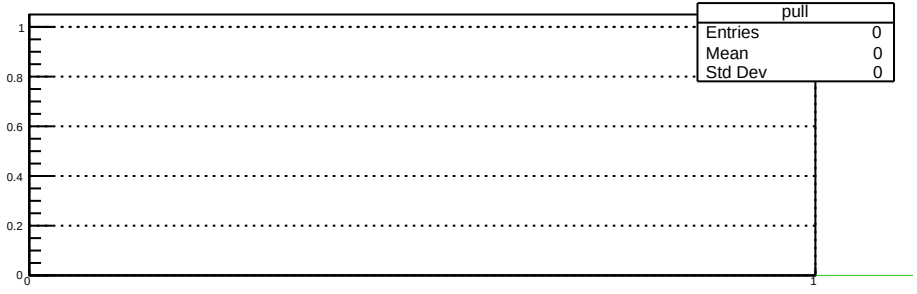
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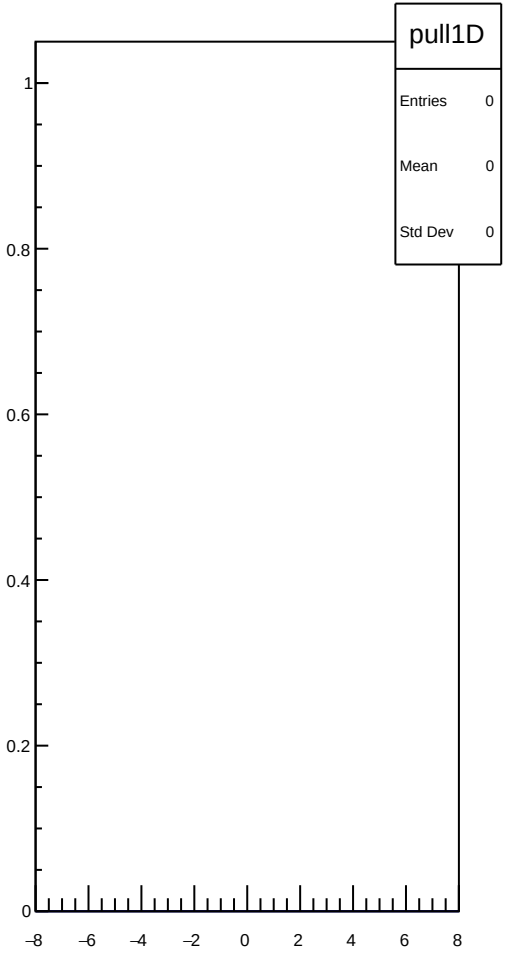
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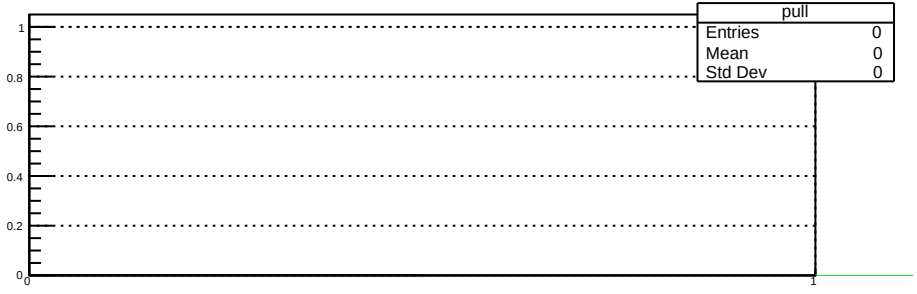
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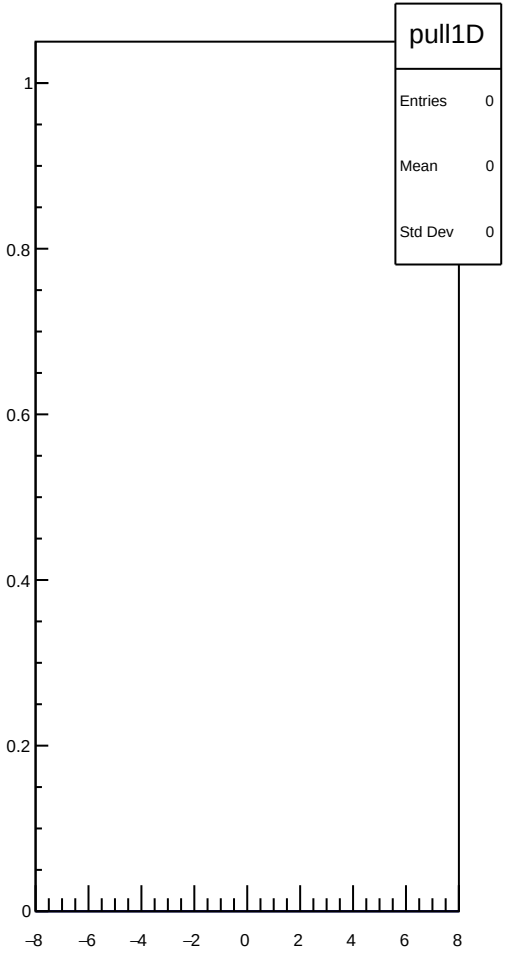
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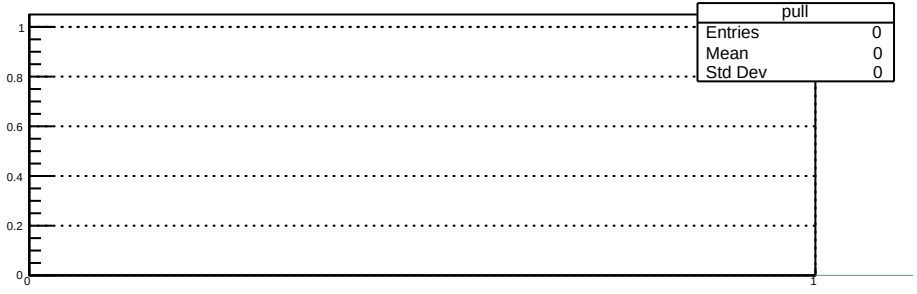
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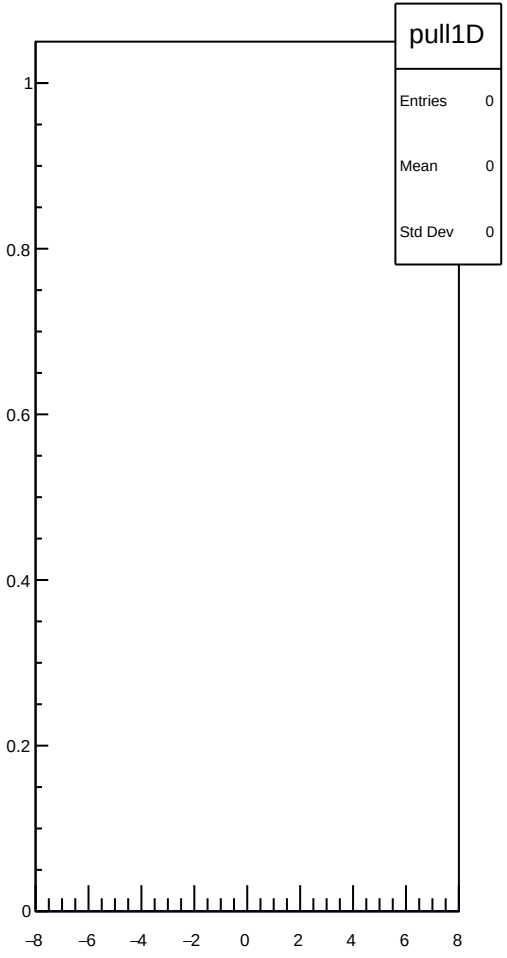
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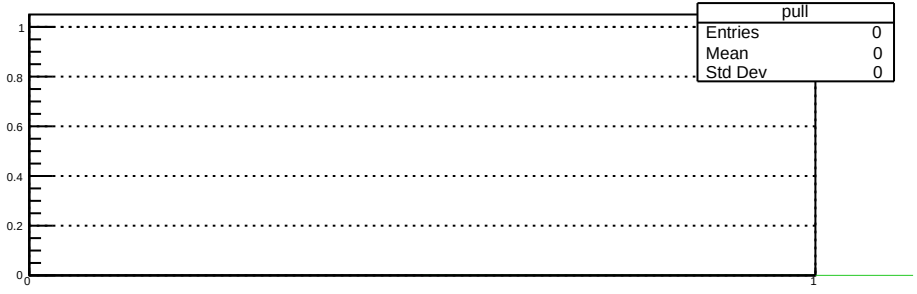
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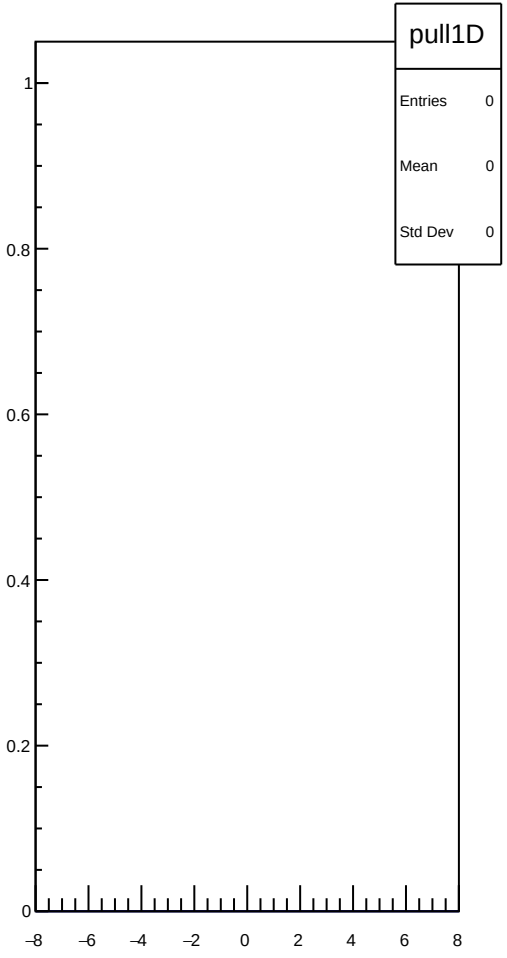
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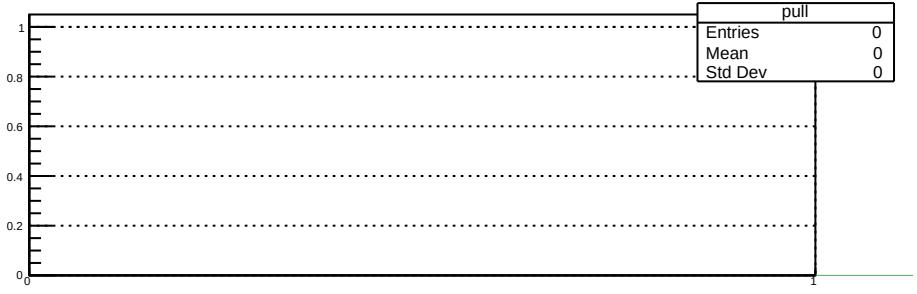
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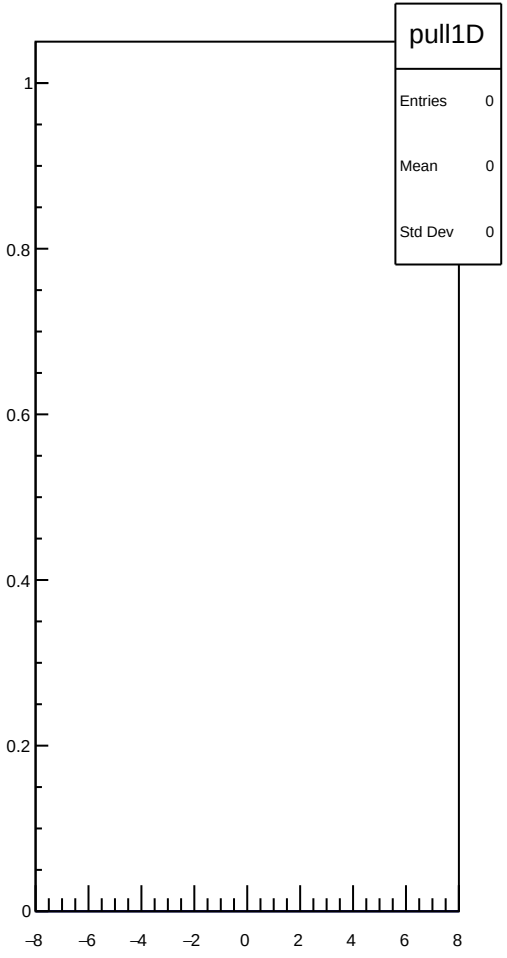
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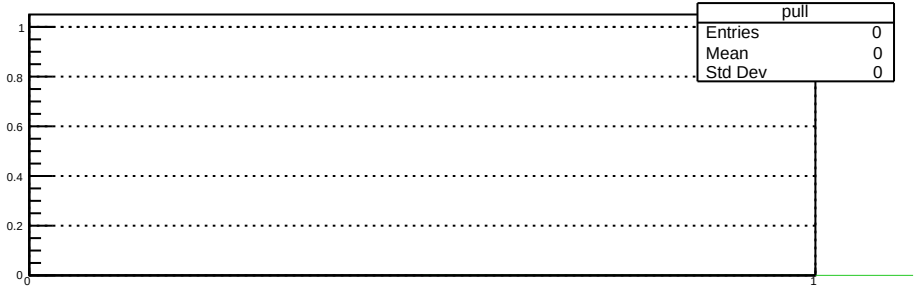
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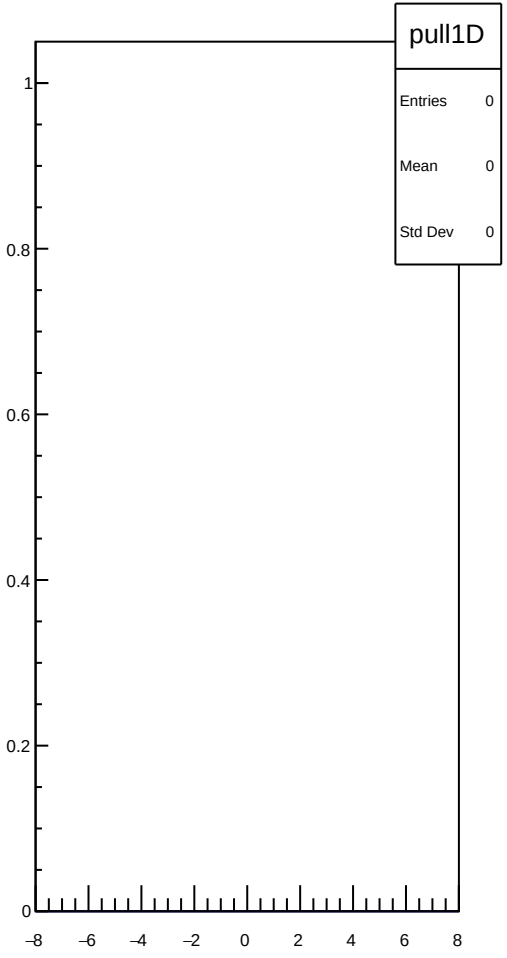
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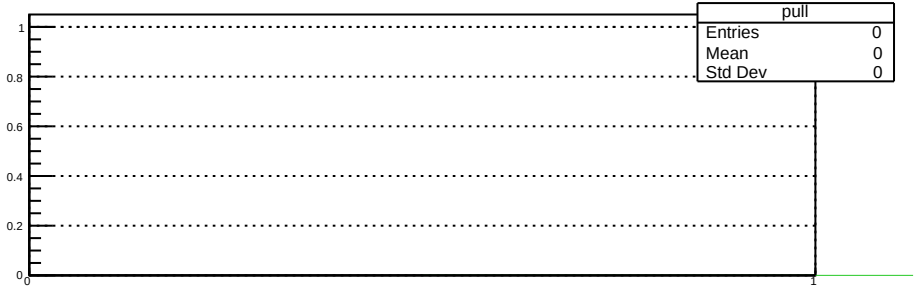
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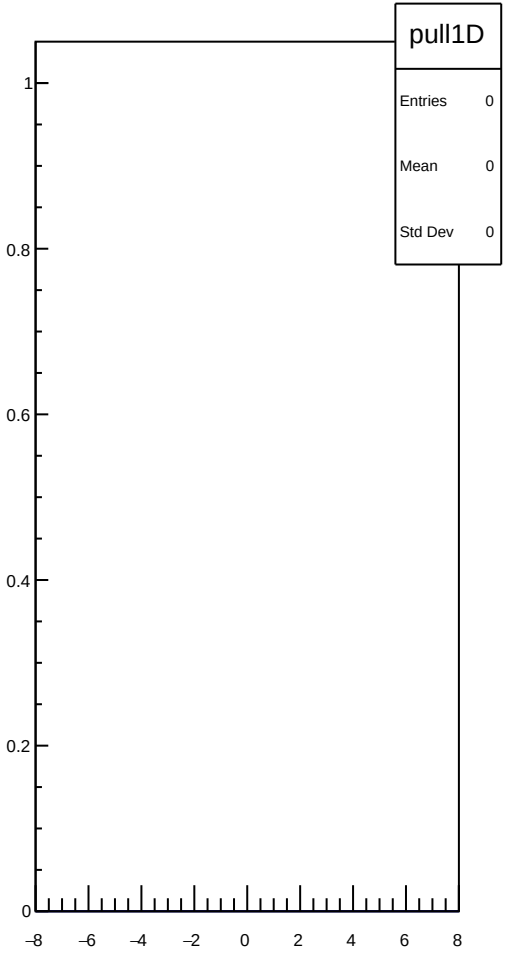
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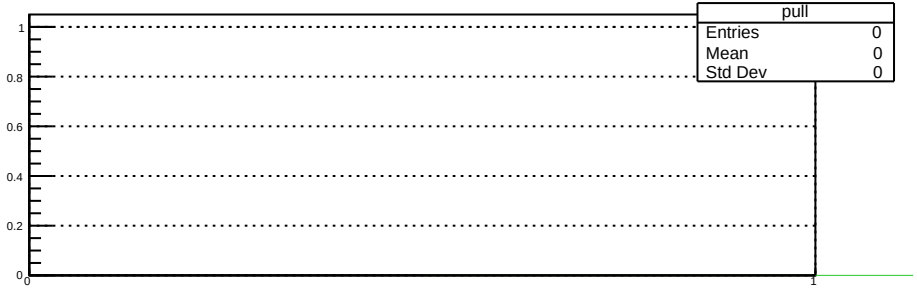
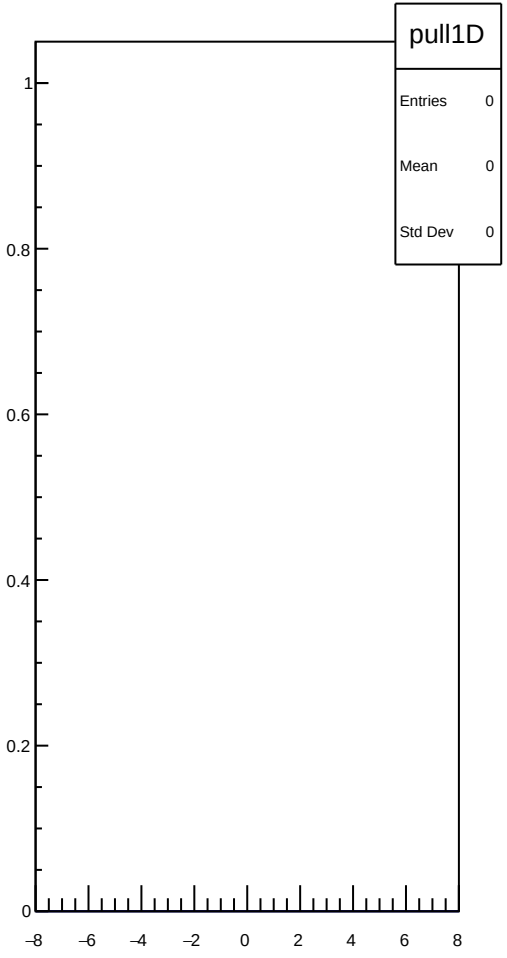
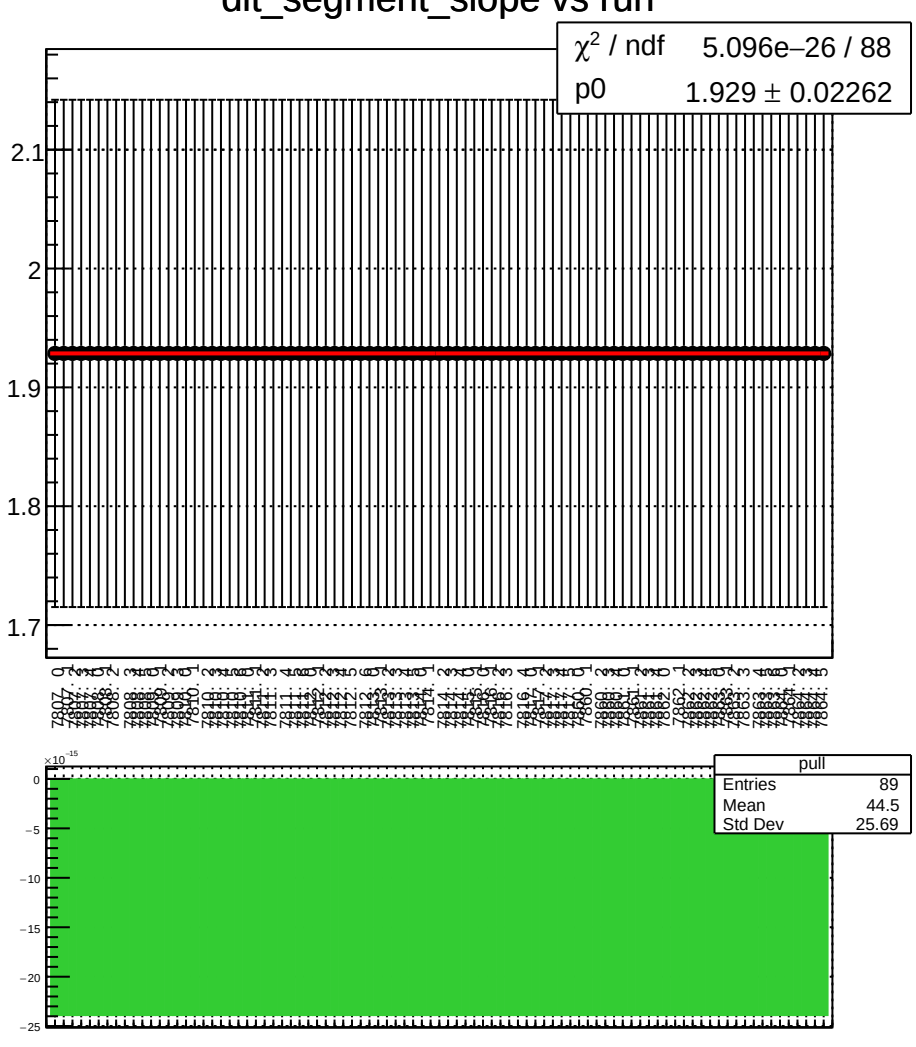
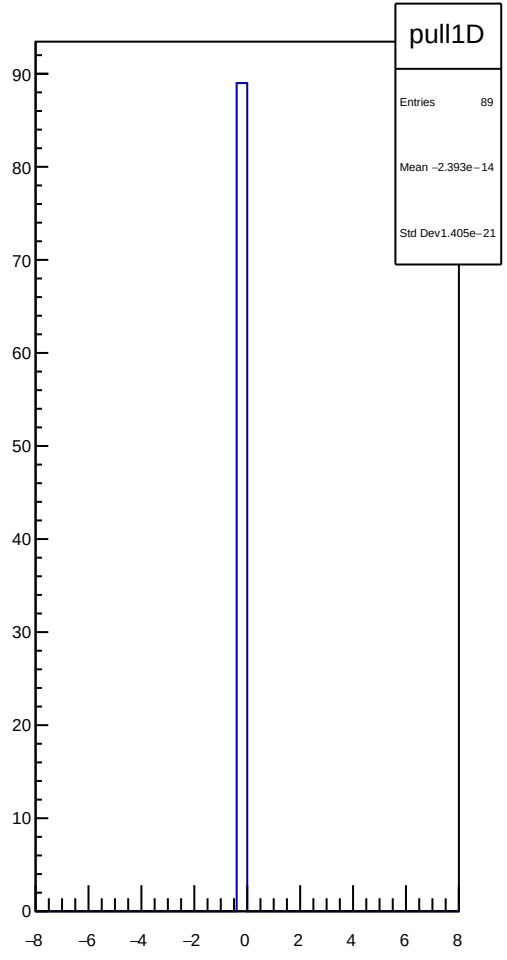
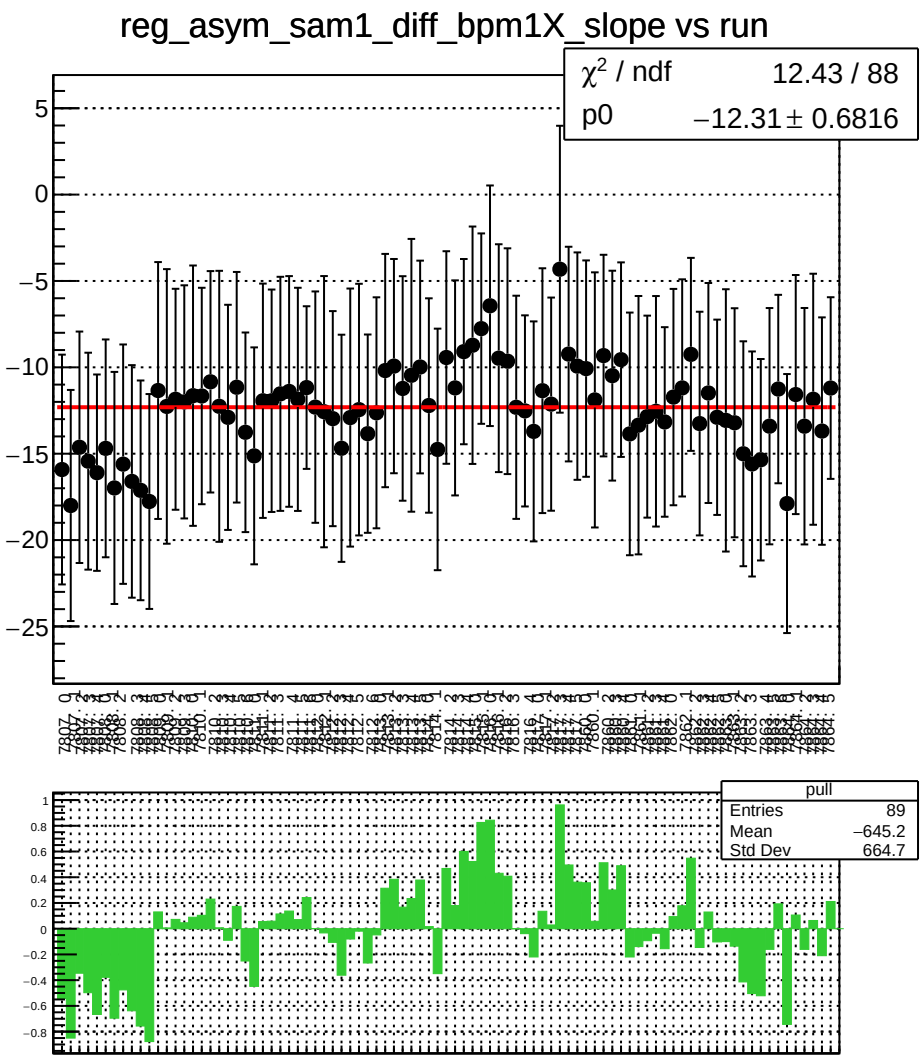
–4
–2
0
2
4
6
8

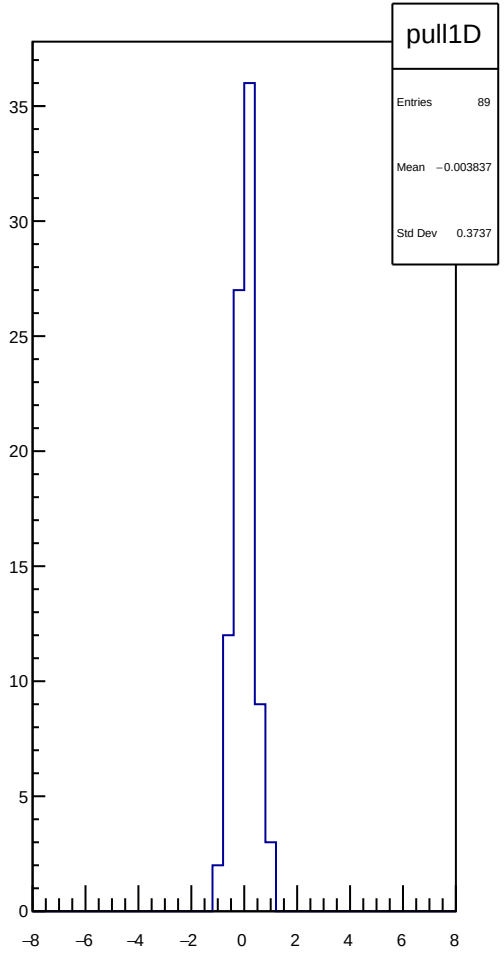

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

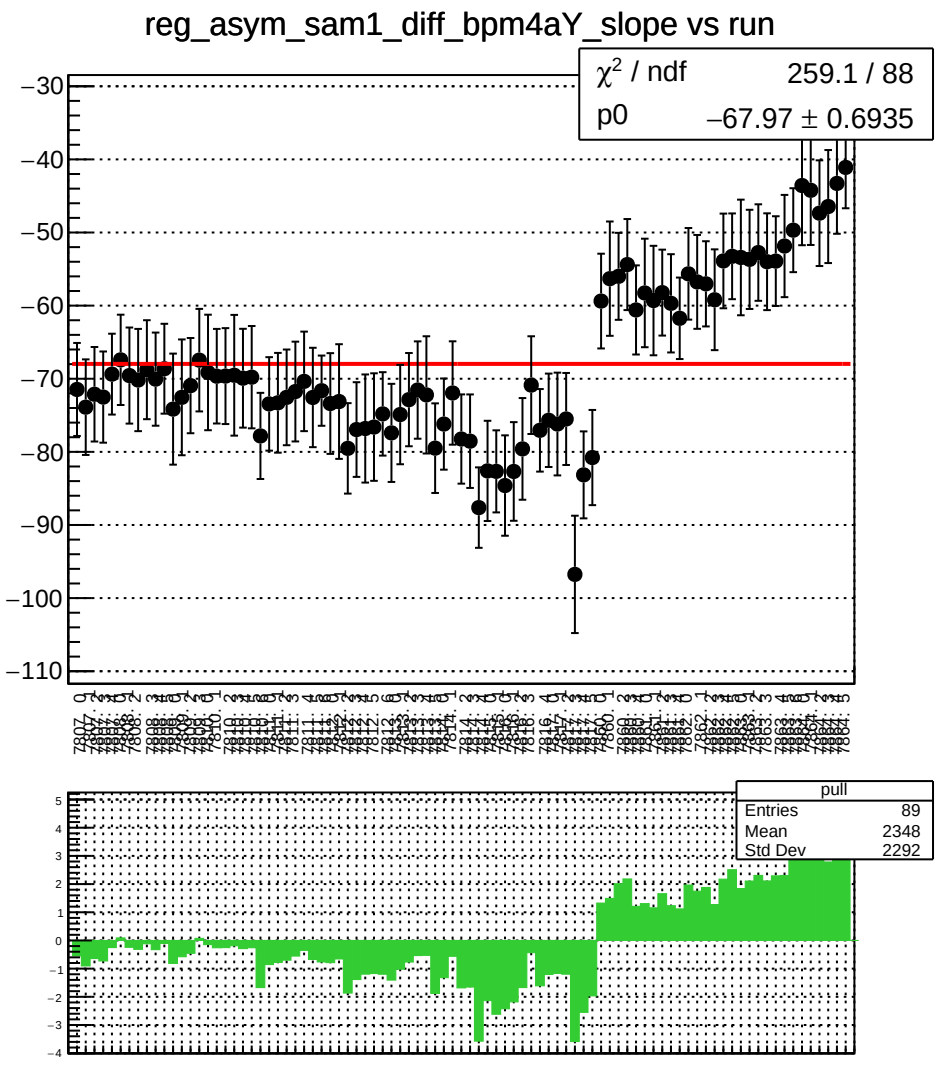

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

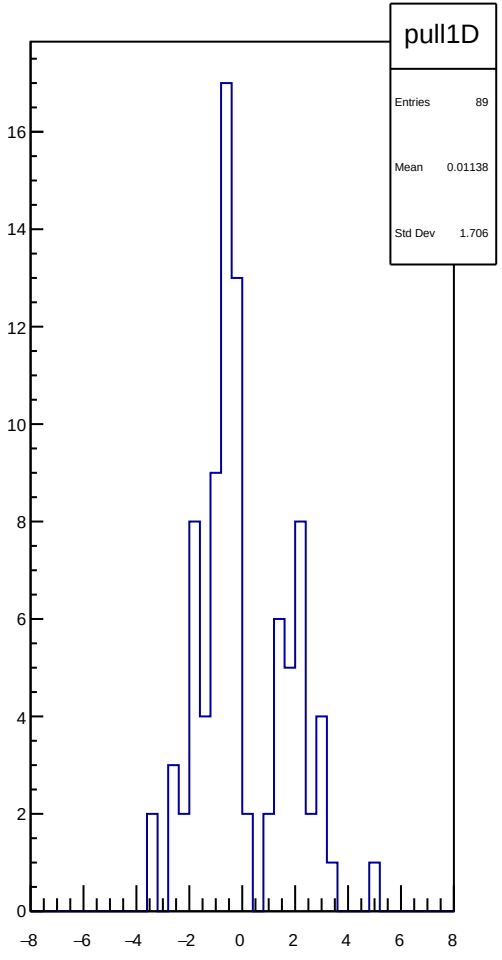

dit_segment_slope vs run
χ² / ndf 5.096e−26 / 88
p0 1.929 ± 0.02262
2.1
2
1.9
1.8
1.7
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25

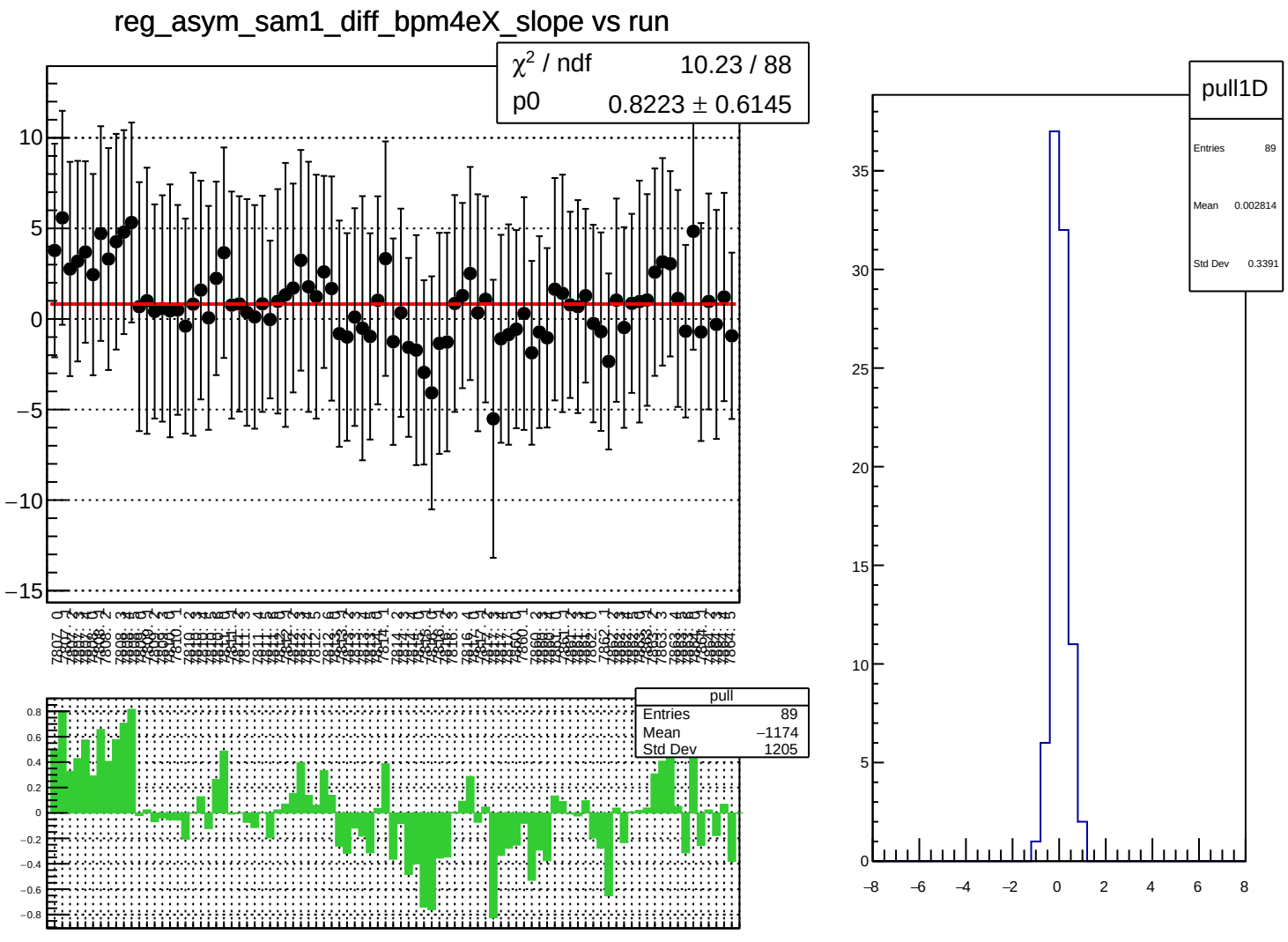

pull1D
Entries 89
Mean −2.393e−14
Std Dev1.405e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

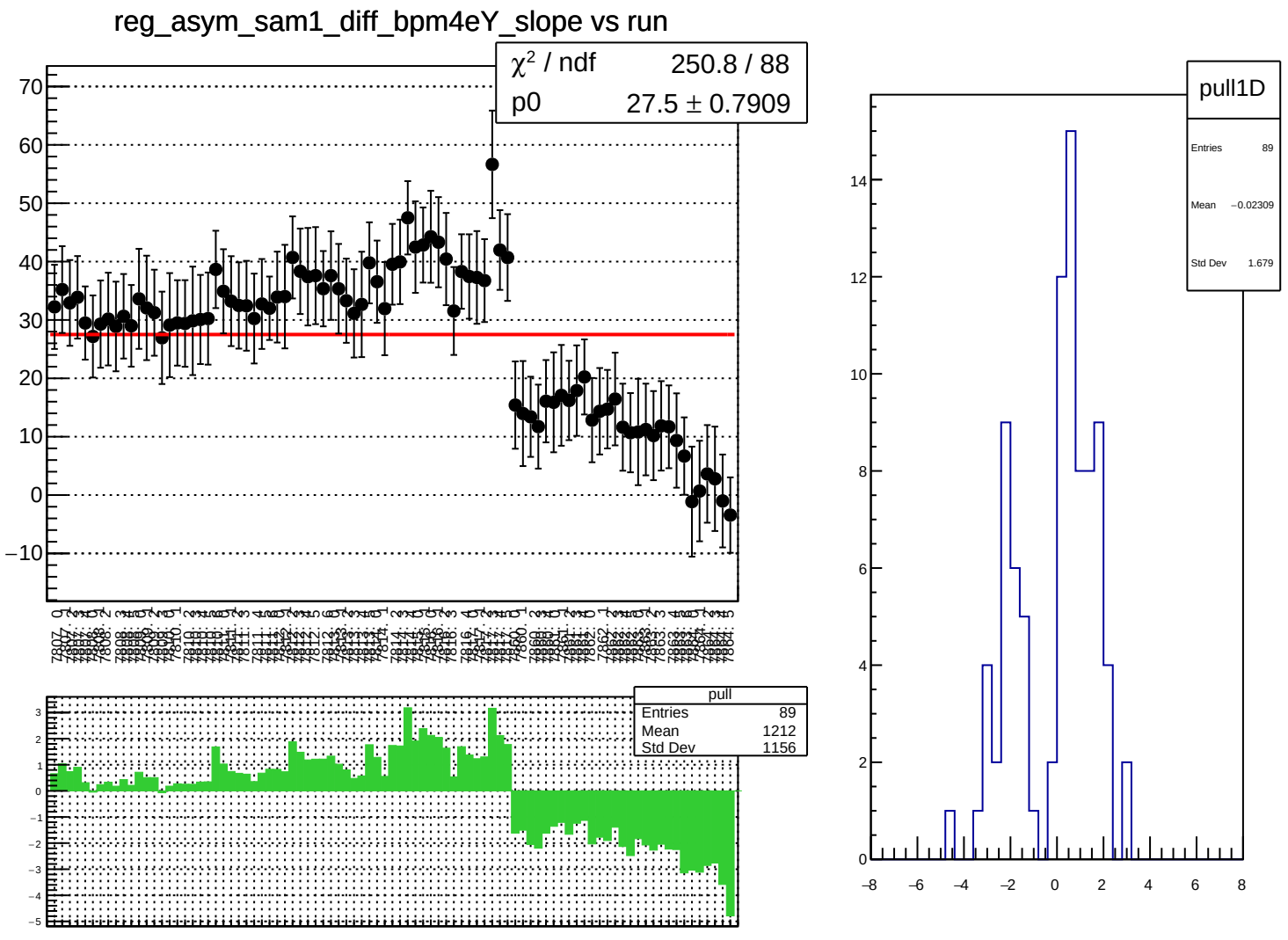

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 12.43 / 88
p0 −12.31 ± 0.6816
pull
Entries 89
Mean −645.2
Std Dev 664.7

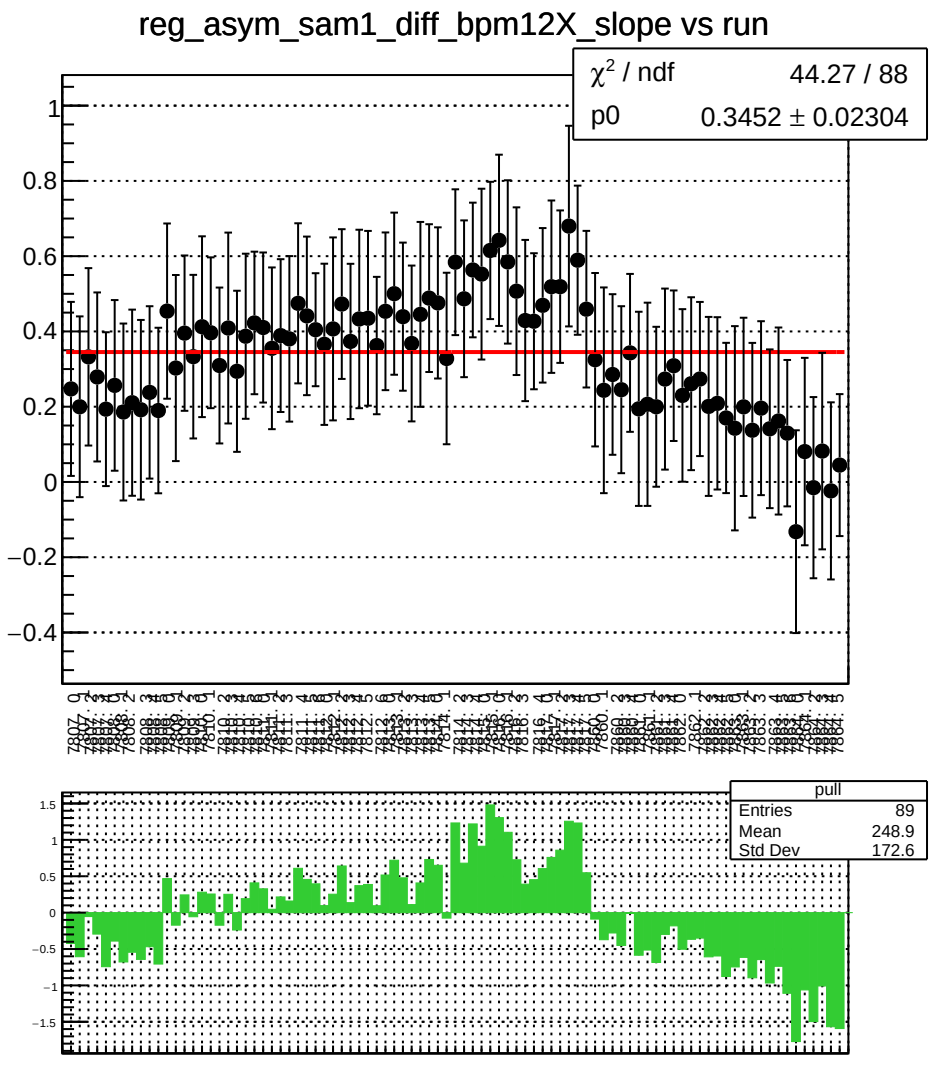

pull1D
Entries 89
Mean −0.003837
Std Dev 0.3737

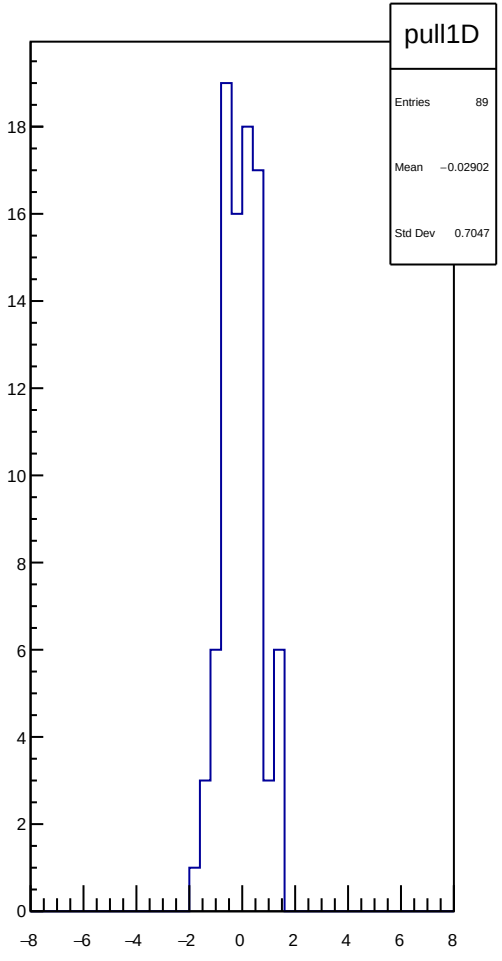

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 259.1 / 88
p0 −67.97 ± 0.6935
pull
Entries 89
Mean 2348
Std Dev 2292

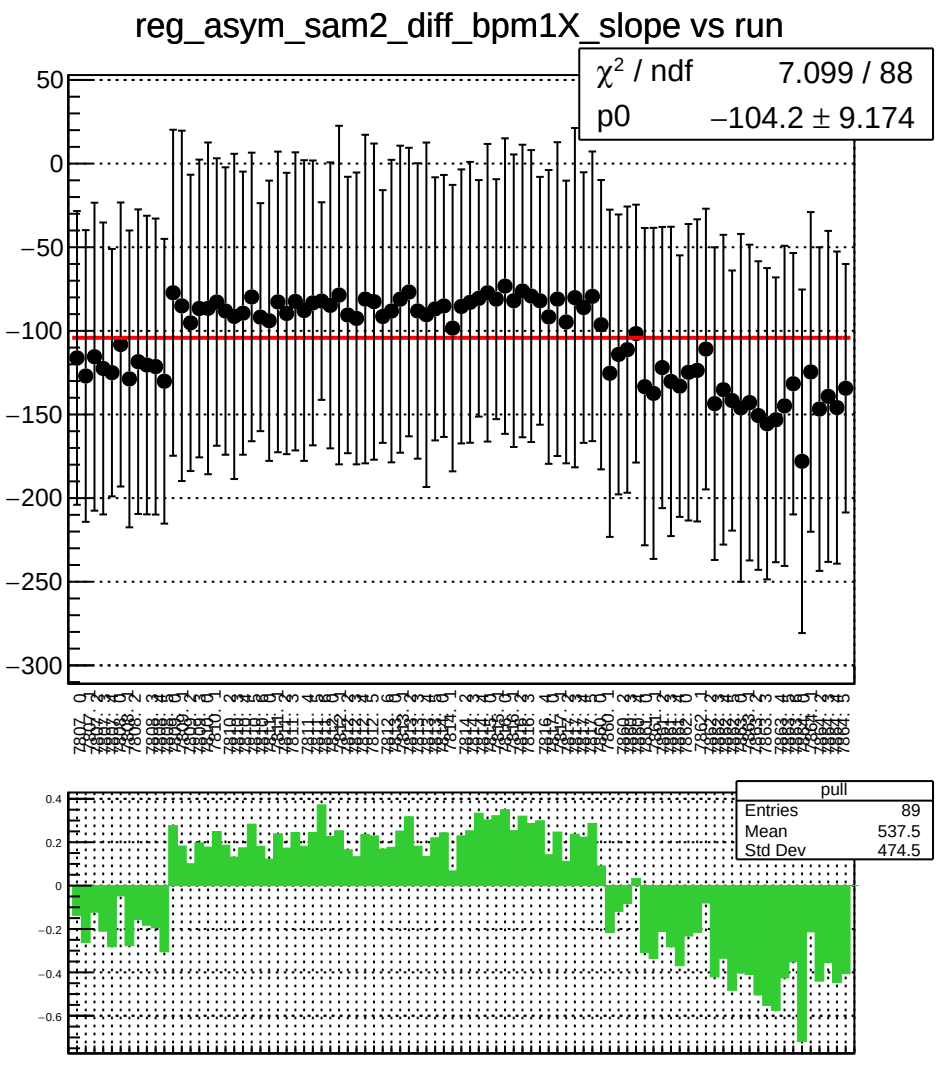

pull1D
Entries 89
Mean 0.01138
Std Dev 1.706

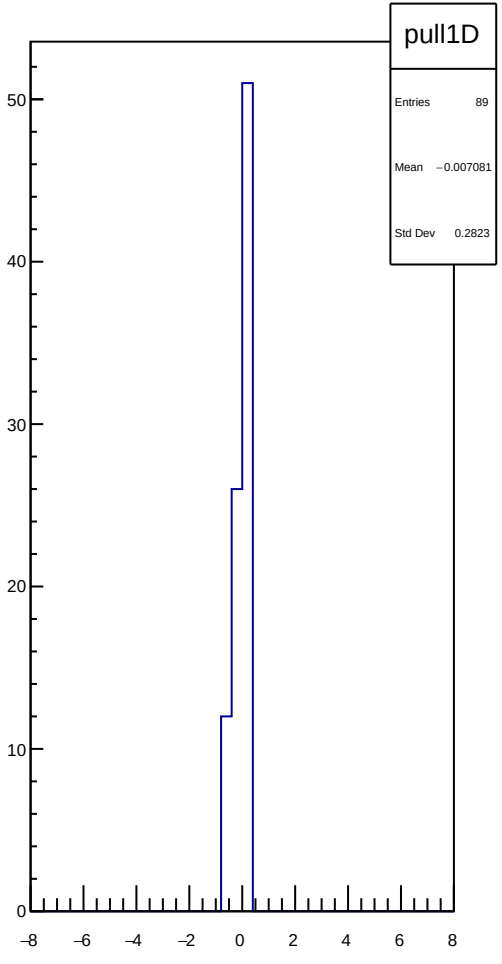

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 10.23 / 88
p0 0.8223 ± 0.6145
pull
Entries 89
Mean −1174
Std Dev 1205
pull1D
Entries 89
Mean 0.002814
Std Dev 0.3391

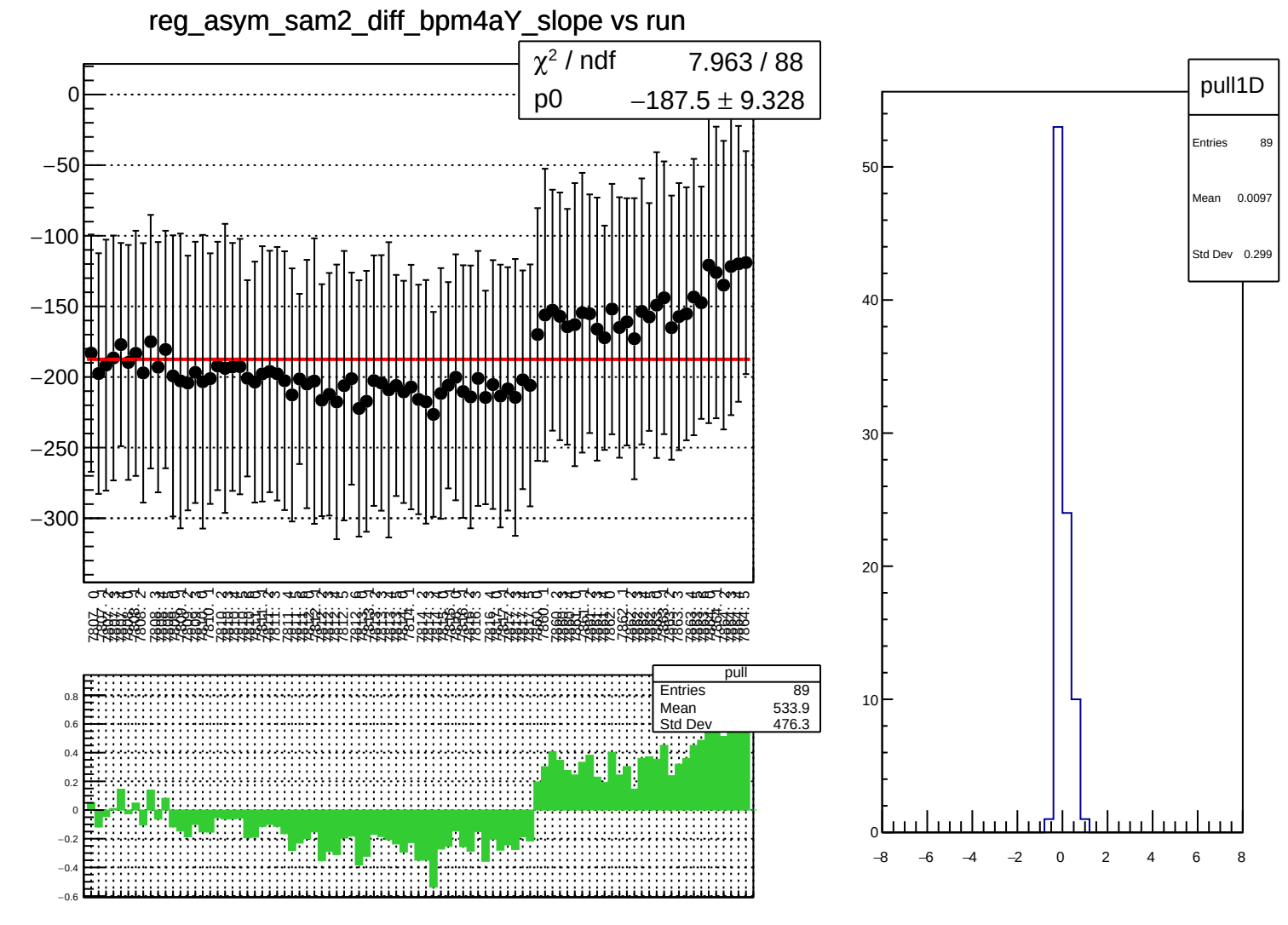

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 250.8 / 88
p0 27.5 ± 0.7909
pull
Entries 89
Mean 1212
Std Dev 1156
pull1D
Entries 89
Mean −0.02309
Std Dev 1.679

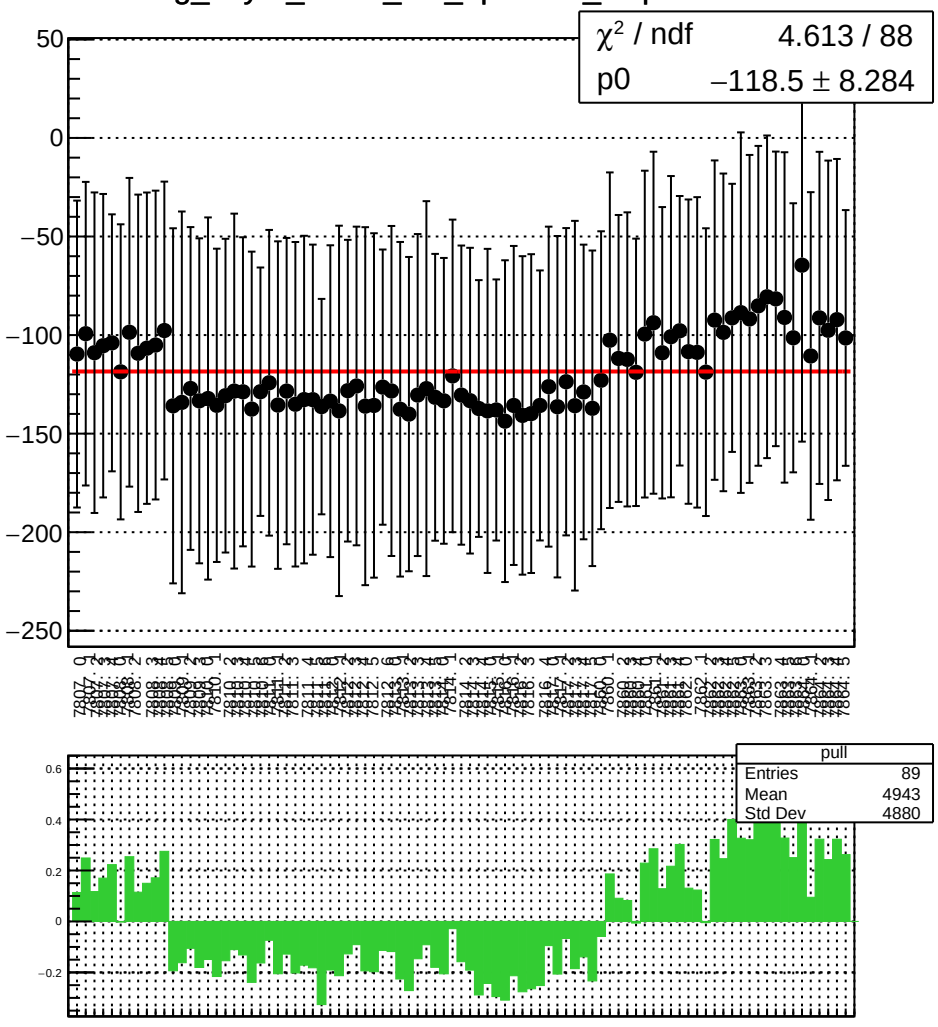

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 44.27 / 88
p0 0.3452 ± 0.02304
pull
Entries 89
Mean 248.9
Std Dev 172.6

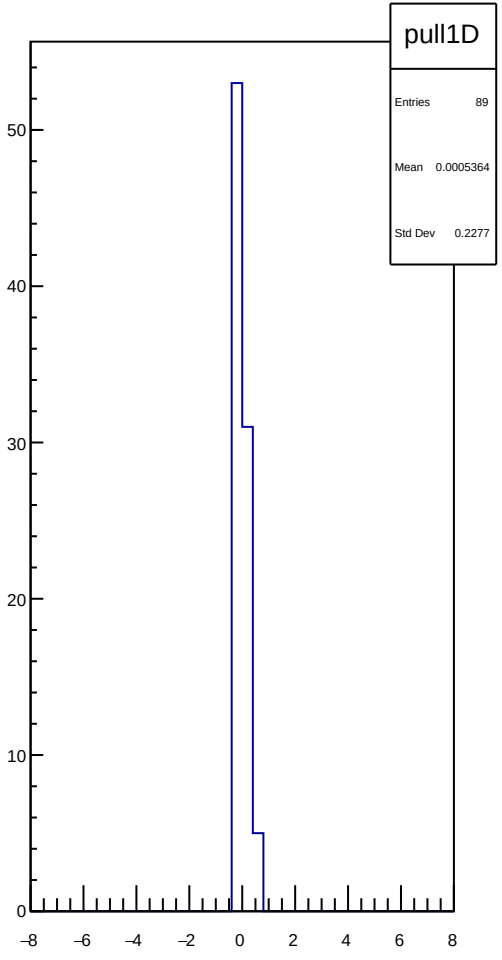

pull1D
Entries 89
Mean −0.02902
Std Dev 0.7047

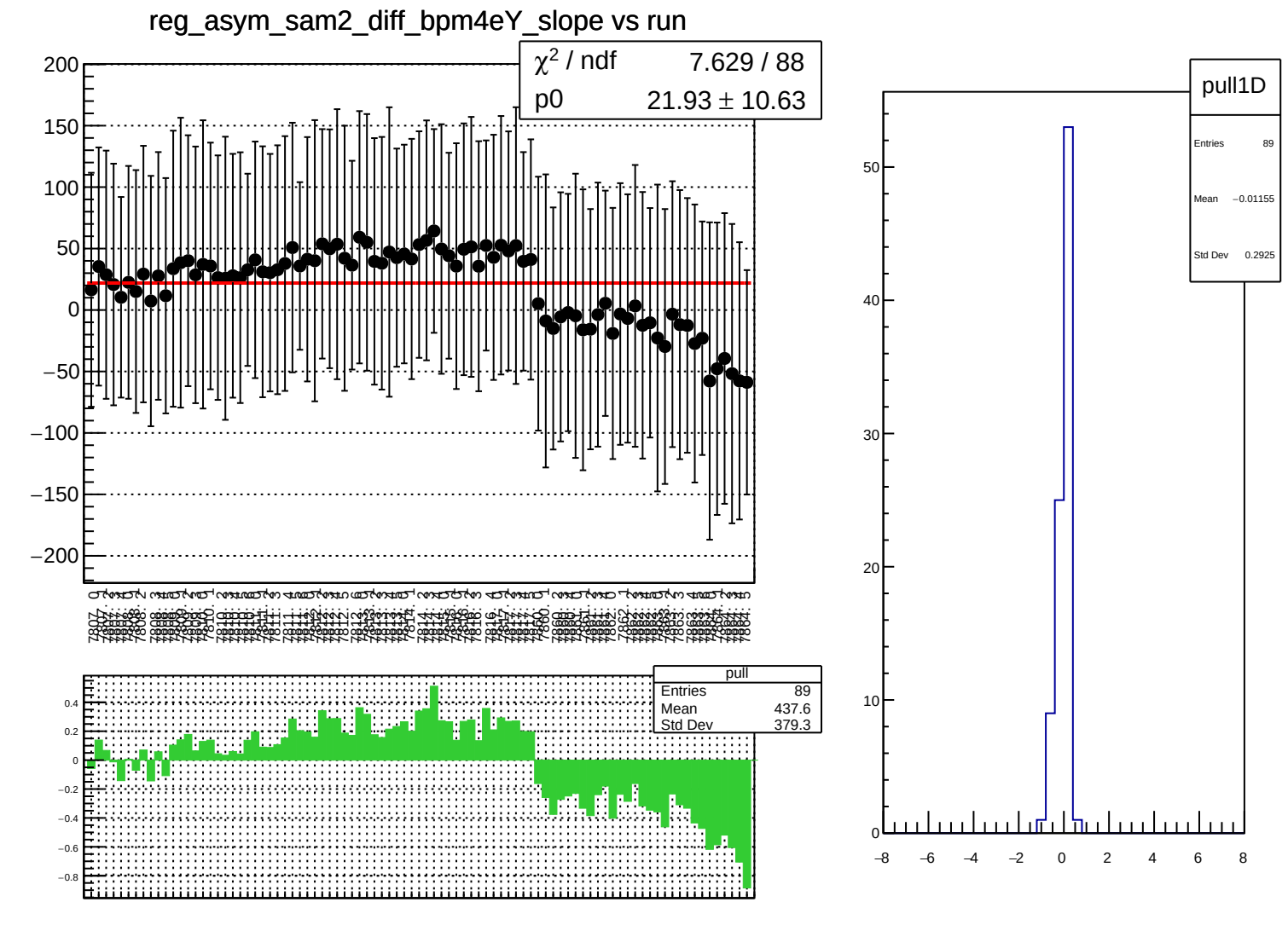

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 7.099 / 88
p0 −104.2 ± 9.174
pull
Entries 89
Mean 537.5
Std Dev 474.5

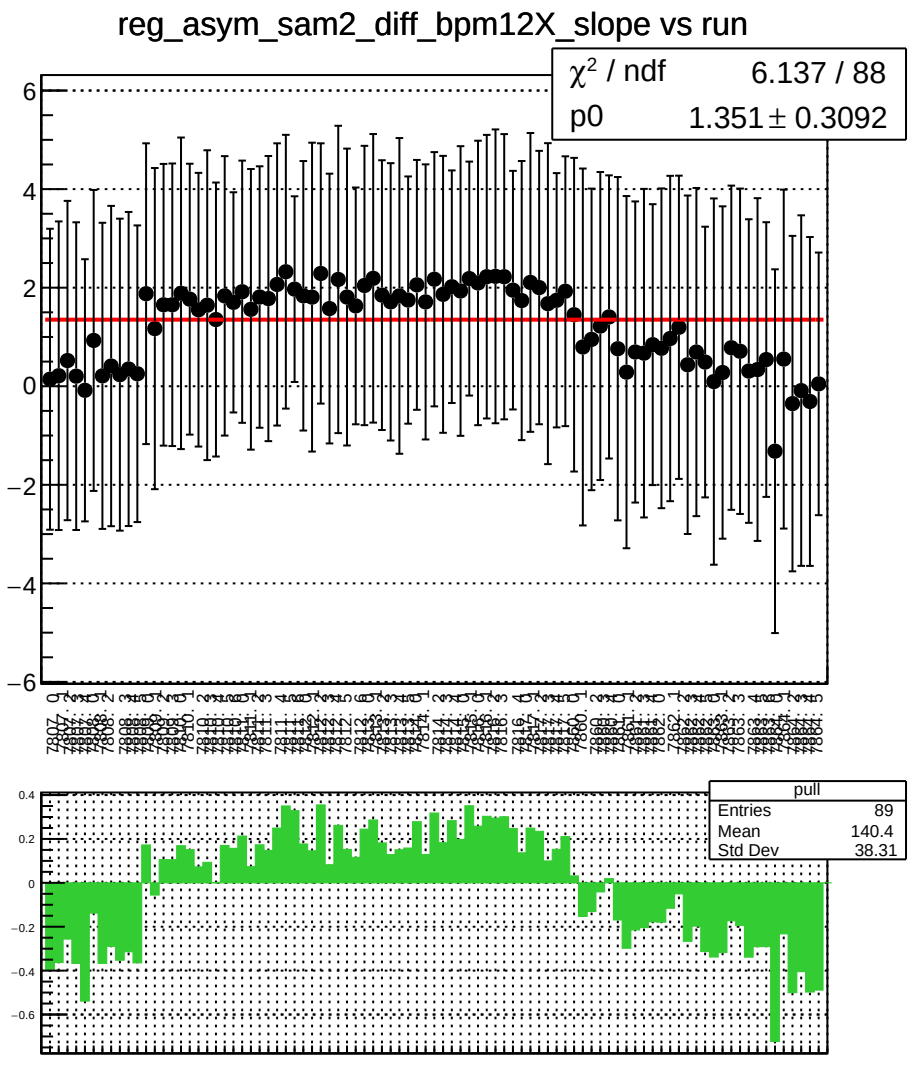

pull1D
Entries 89
Mean −0.007081
Std Dev 0.2823

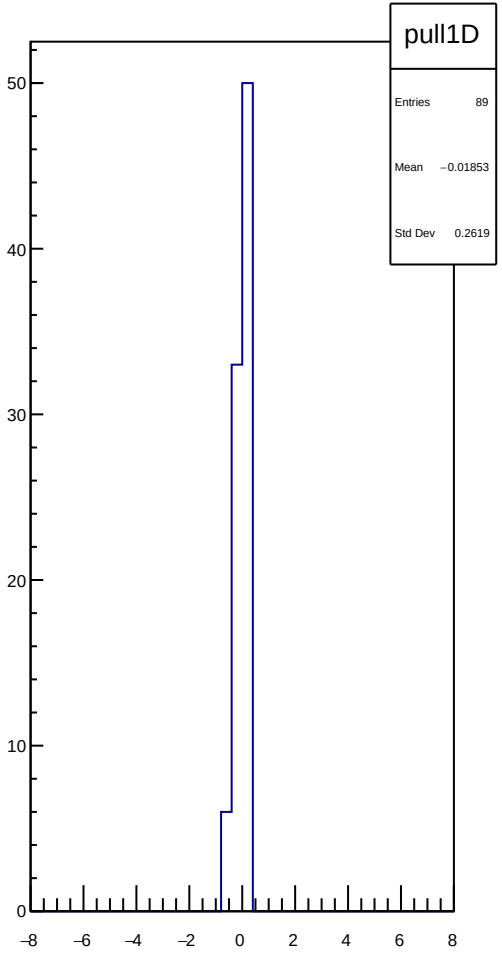

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.963 / 88
p0 −187.5 ± 9.328
pull
Entries 89
Mean 533.9
Std Dev 476.3
pull1D
Entries 89
Mean 0.0097
Std Dev 0.299

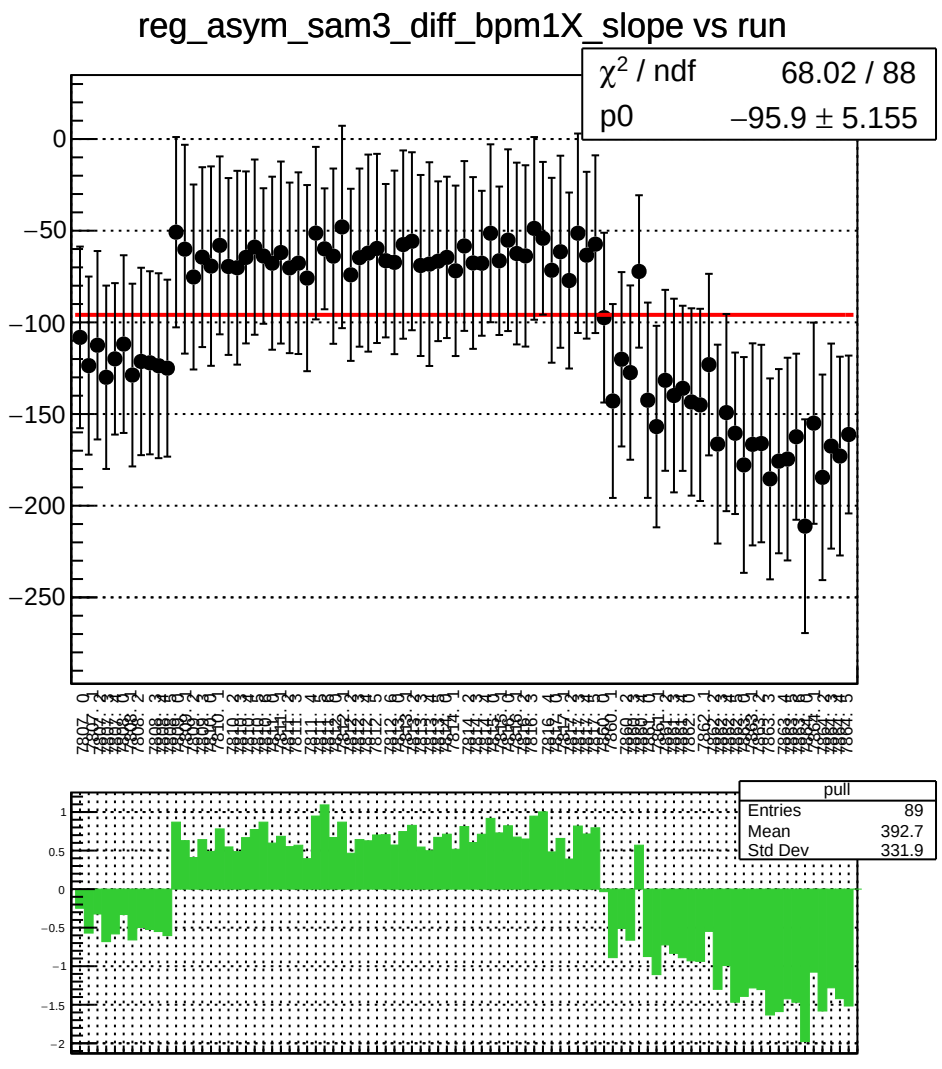

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 4.613 / 88
p0 −118.5 ± 8.284
pull
Entries 89
Mean 4943
Std Dev 4880

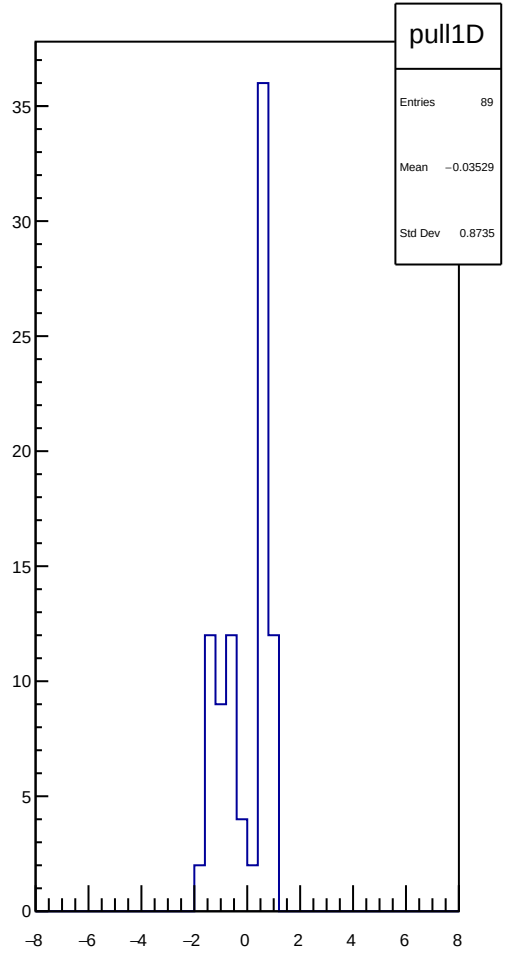

pull1D
Entries 89
Mean 0.0005364
Std Dev 0.2277

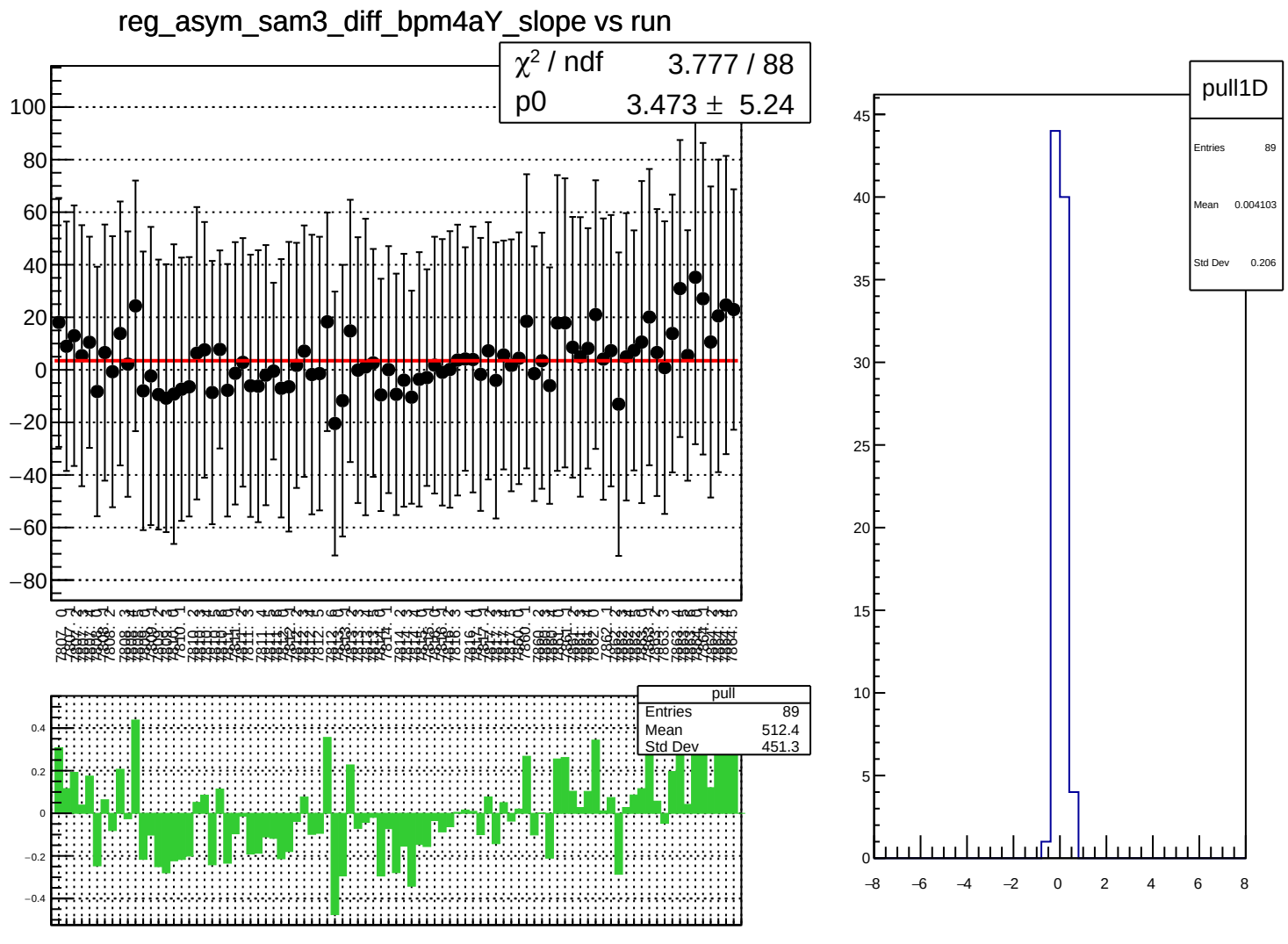

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.629 / 88
p0 21.93 ± 10.63
pull
Entries 89
Mean 437.6
Std Dev 379.3
pull1D
Entries 89
Mean −0.01155
Std Dev 0.2925

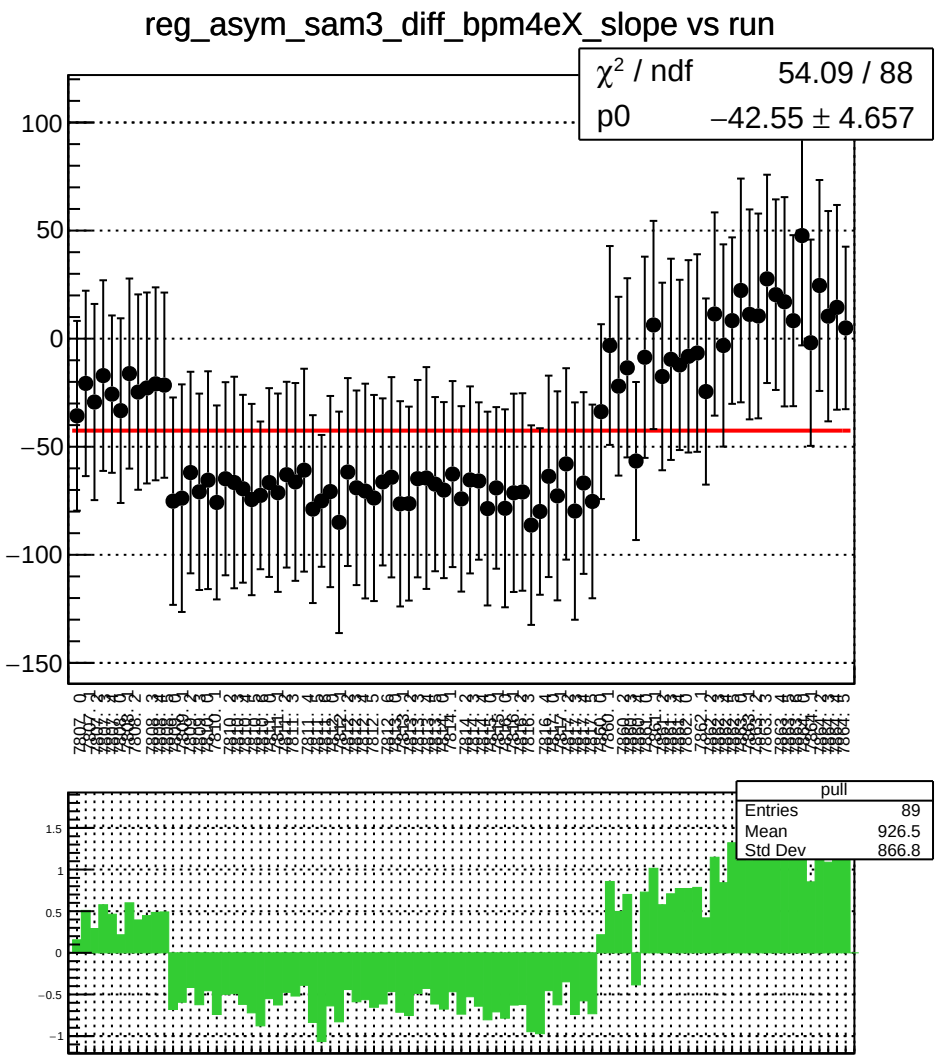

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 6.137 / 88
p0 1.351 ± 0.3092
pull
Entries 89
Mean 140.4
Std Dev 38.31

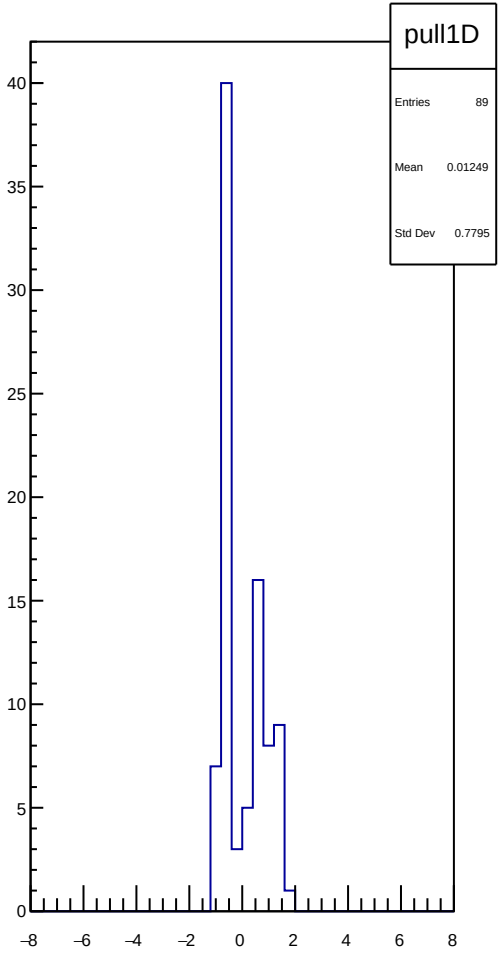

pull1D
Entries 89
Mean −0.01853
Std Dev 0.2619

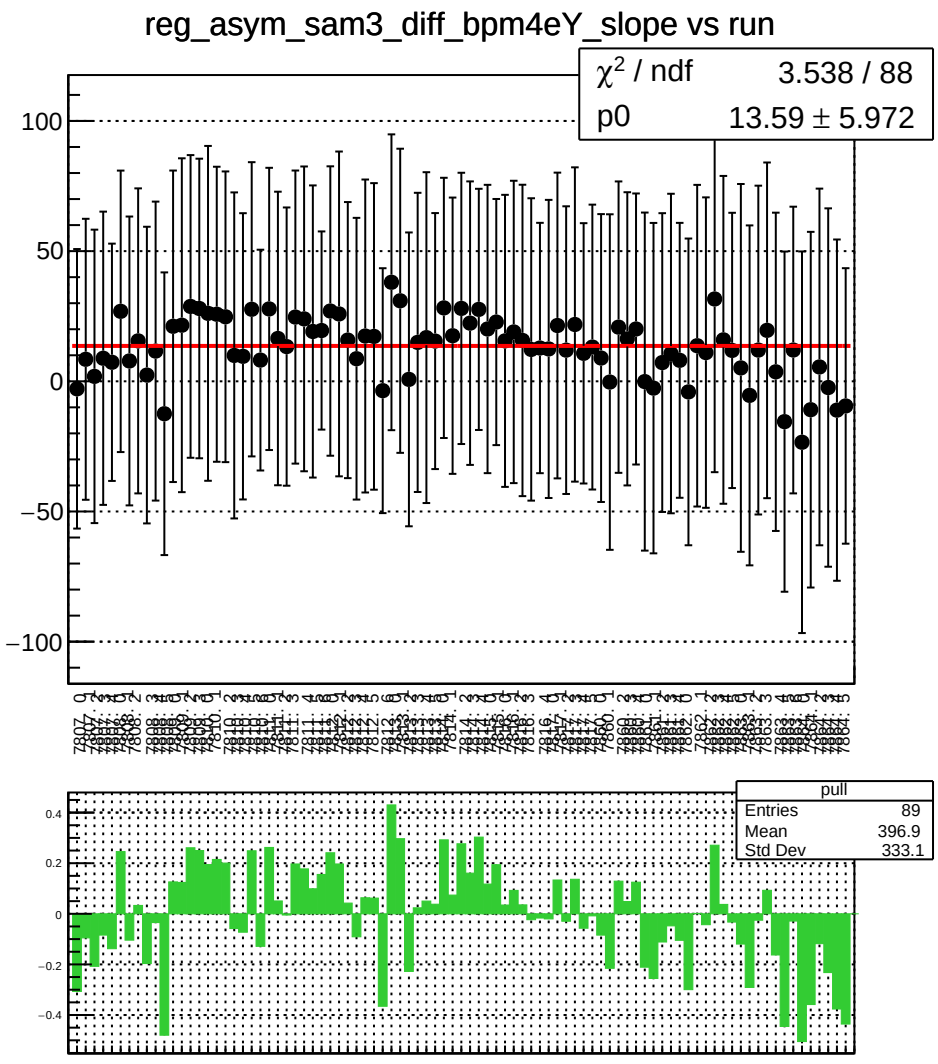

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 68.02 / 88
p0 −95.9 ± 5.155
pull
Entries 89
Mean 392.7
Std Dev 331.9

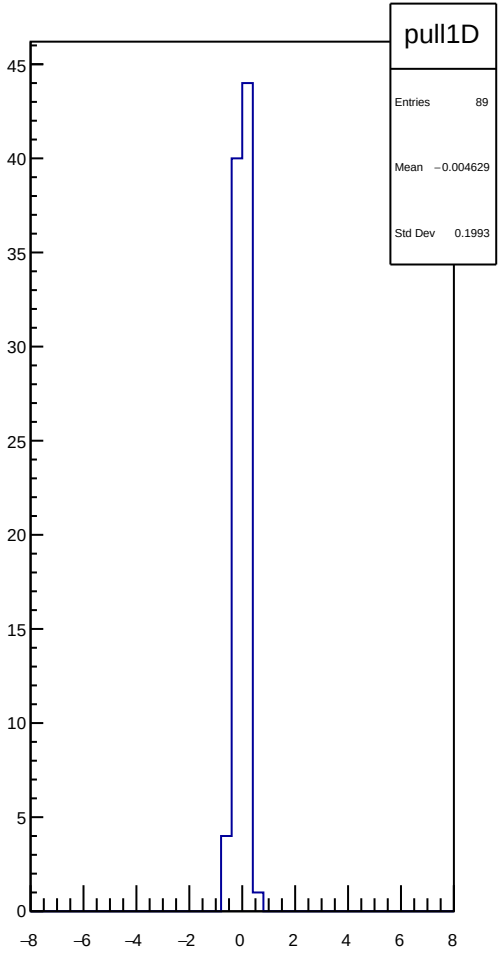

pull1D
Entries 89
Mean −0.03529
Std Dev 0.8735

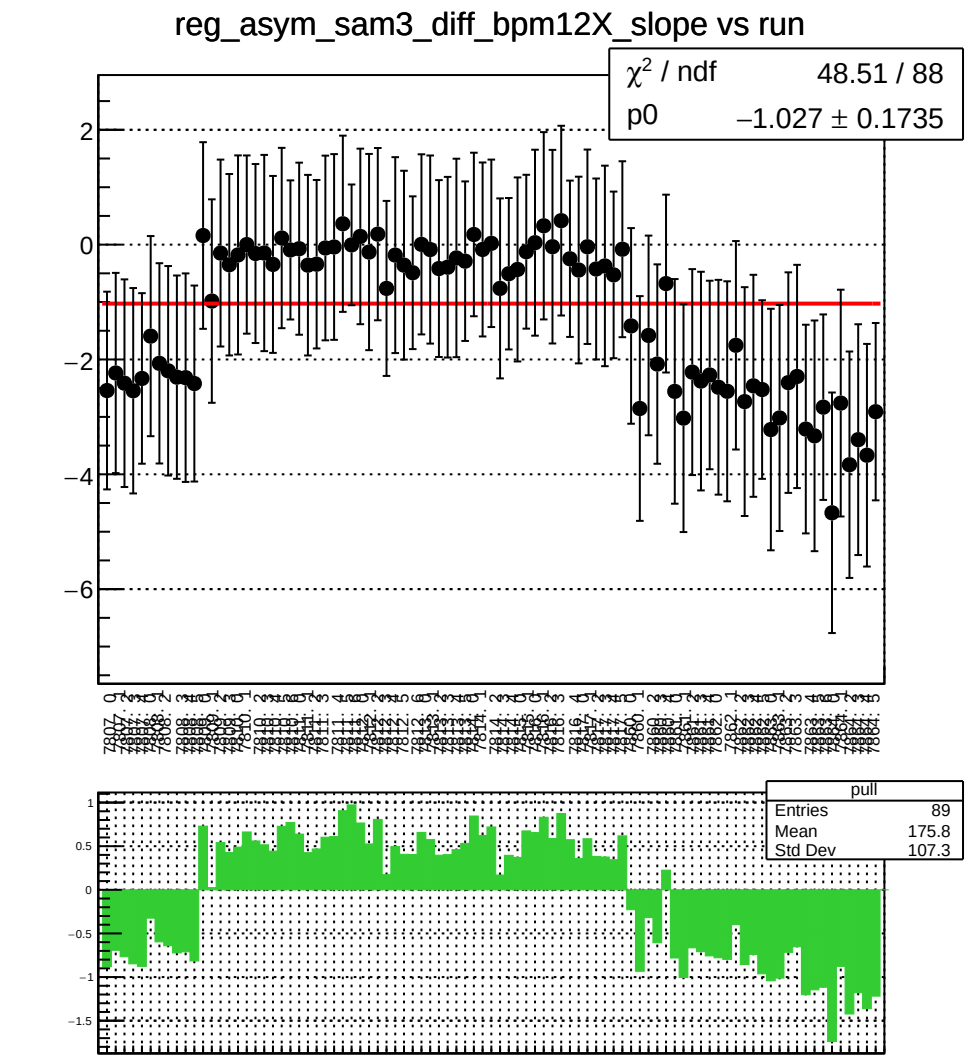

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.777 / 88
p0 3.473 ± 5.24
pull
Entries 89
Mean 512.4
Std Dev 451.3
pull1D
Entries 89
Mean 0.004103
Std Dev 0.206

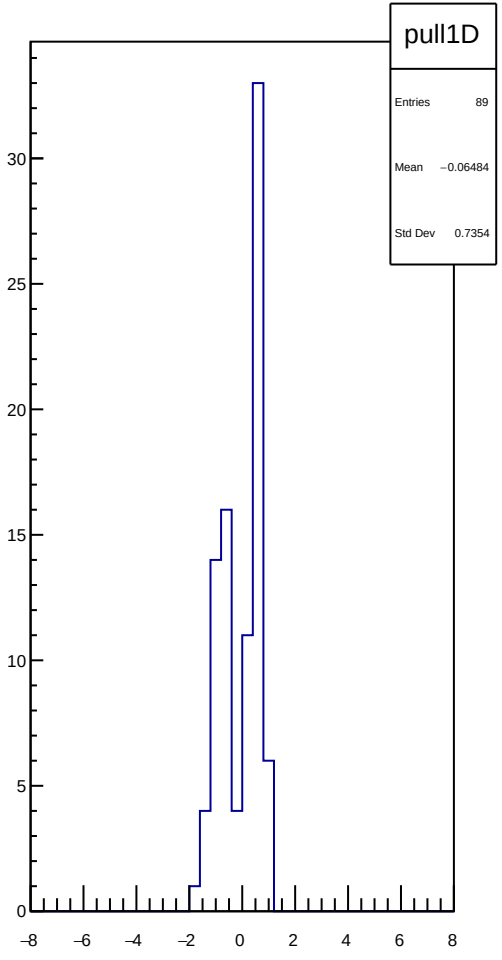

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 54.09 / 88
p0 −42.55 ± 4.657
pull
Entries 89
Mean 926.5
Std Dev 866.8

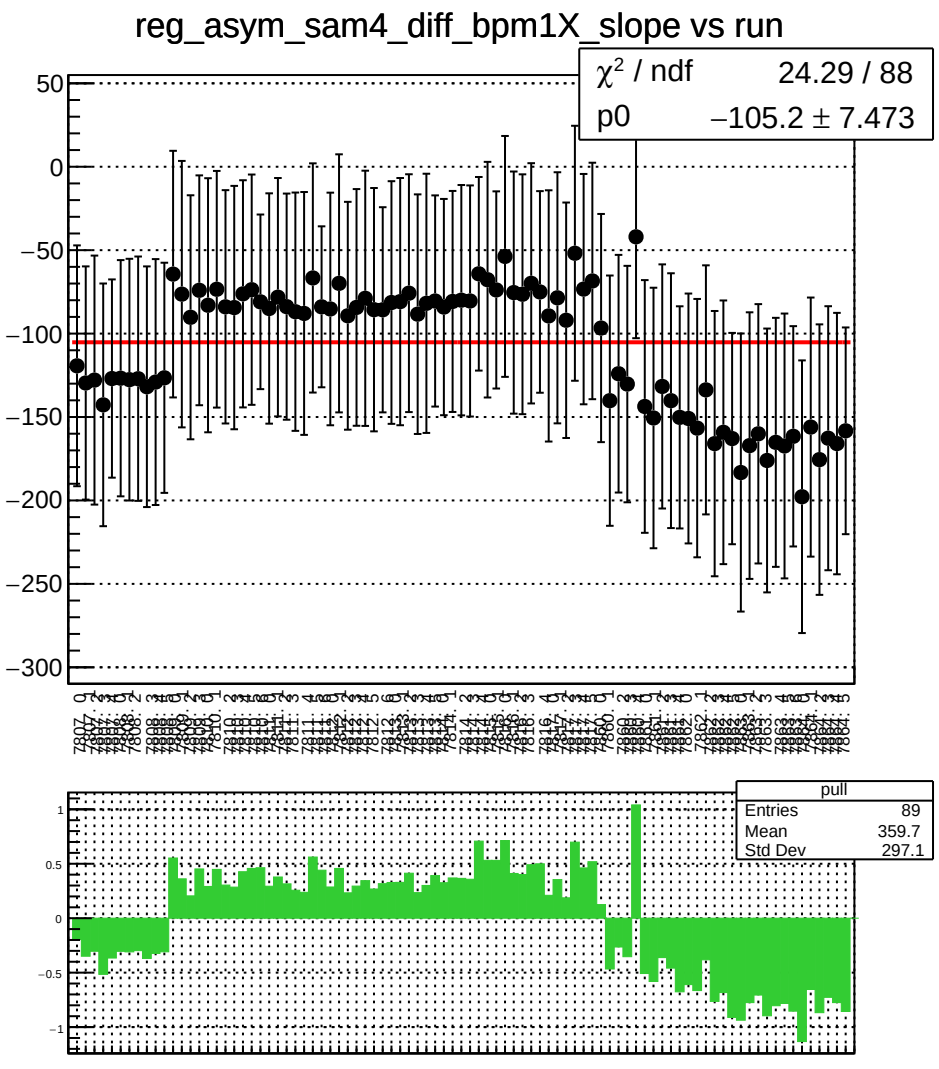

pull1D
Entries 89
Mean 0.01249
Std Dev 0.7795

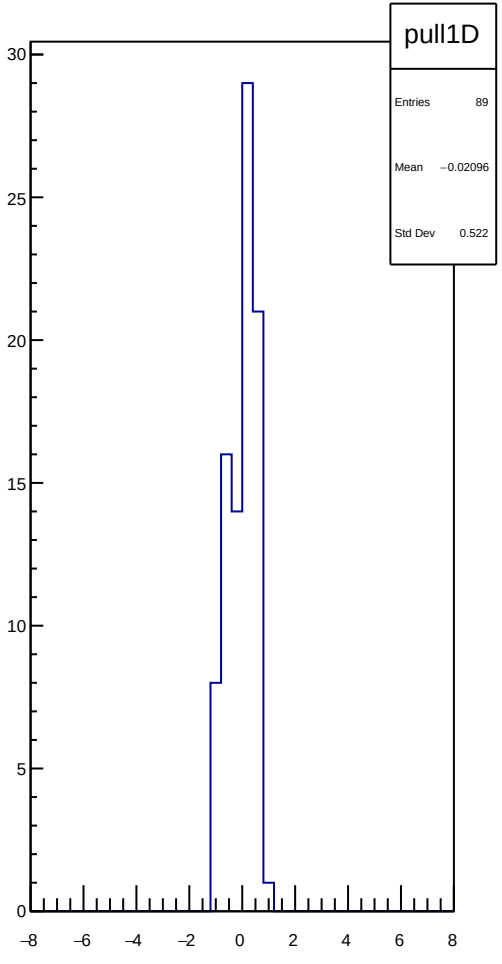

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.538 / 88
p0 13.59 ± 5.972
100
50
0
−50
−100
pull
Entries 89
Mean 396.9
Std Dev 333.1
0.4
0.2
0
−0.2
−0.4

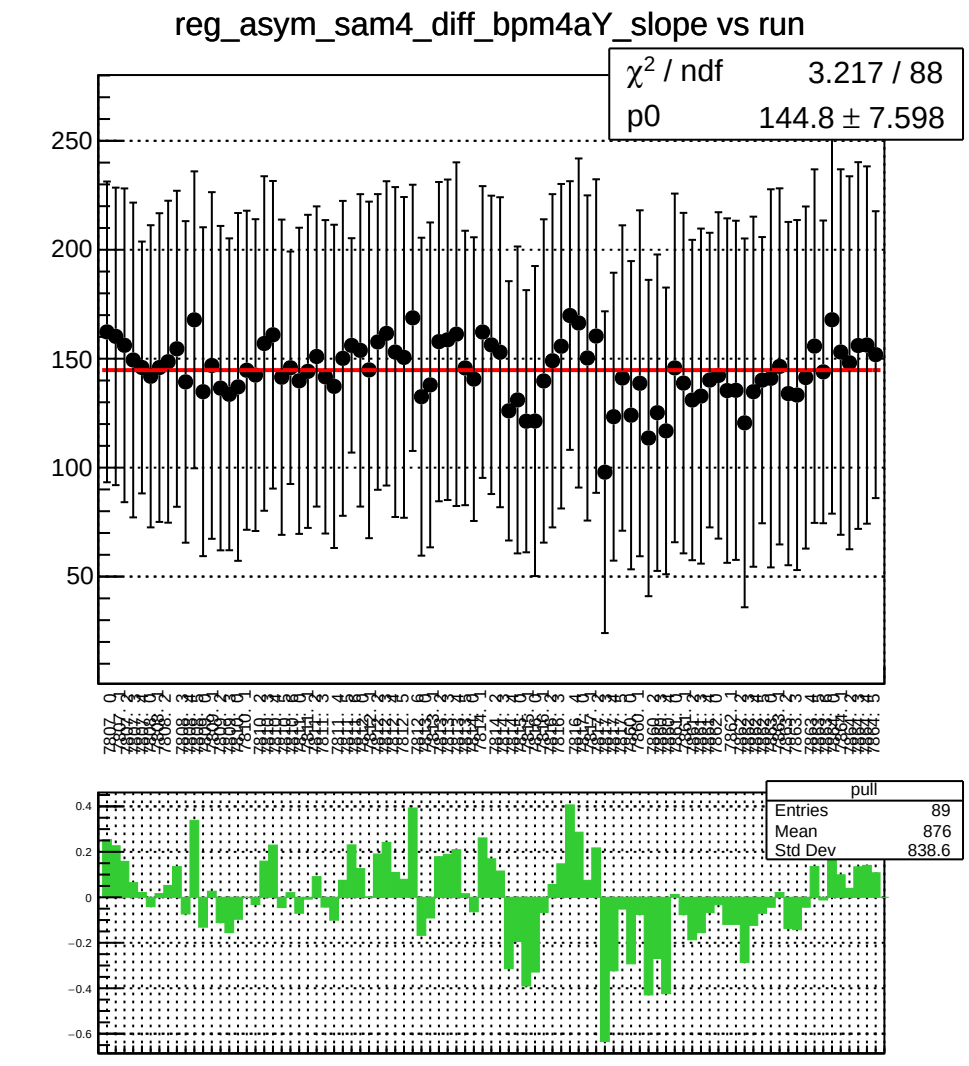

pull1D
Entries 89
Mean −0.004629
Std Dev 0.1993
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

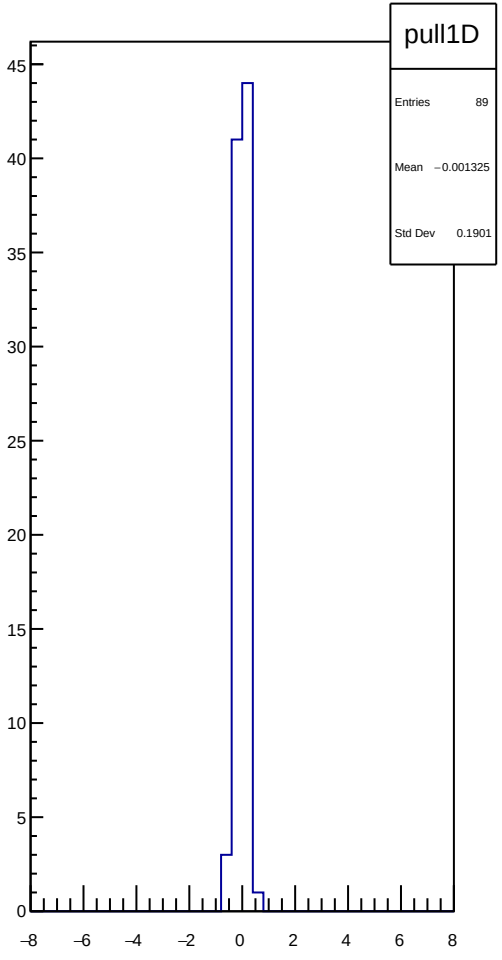

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 48.51 / 88
p0 −1.027 ± 0.1735
pull
Entries 89
Mean 175.8
Std Dev 107.3

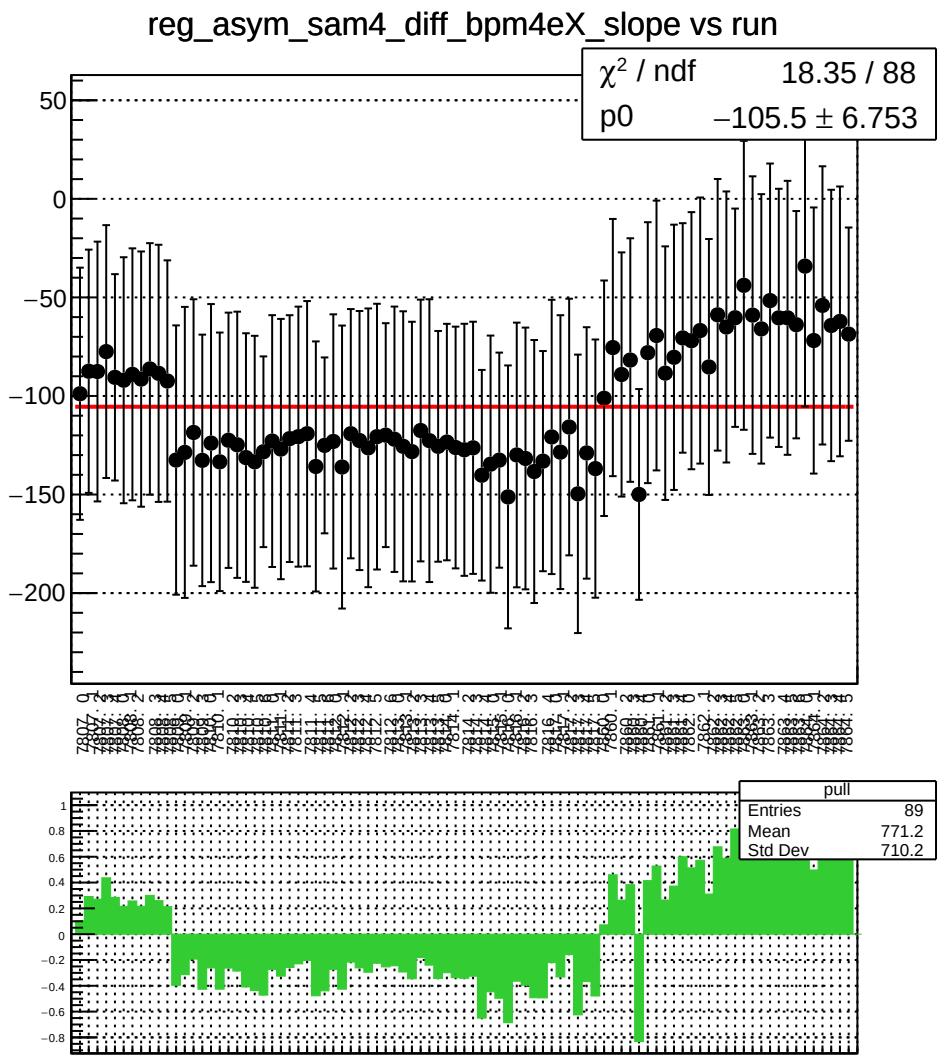

pull1D
Entries 89
Mean −0.06484
Std Dev 0.7354

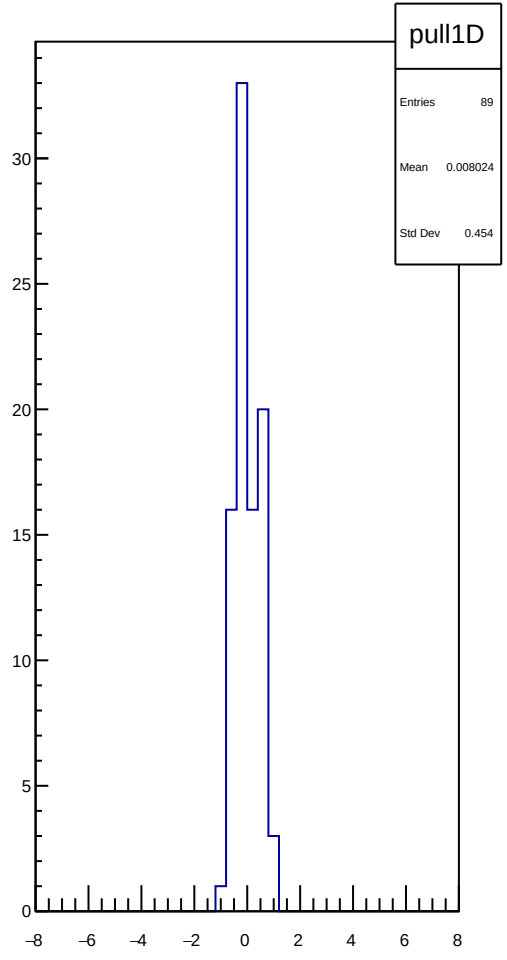

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 24.29 / 88
p0 −105.2 ± 7.473
pull
Entries 89
Mean 359.7
Std Dev 297.1

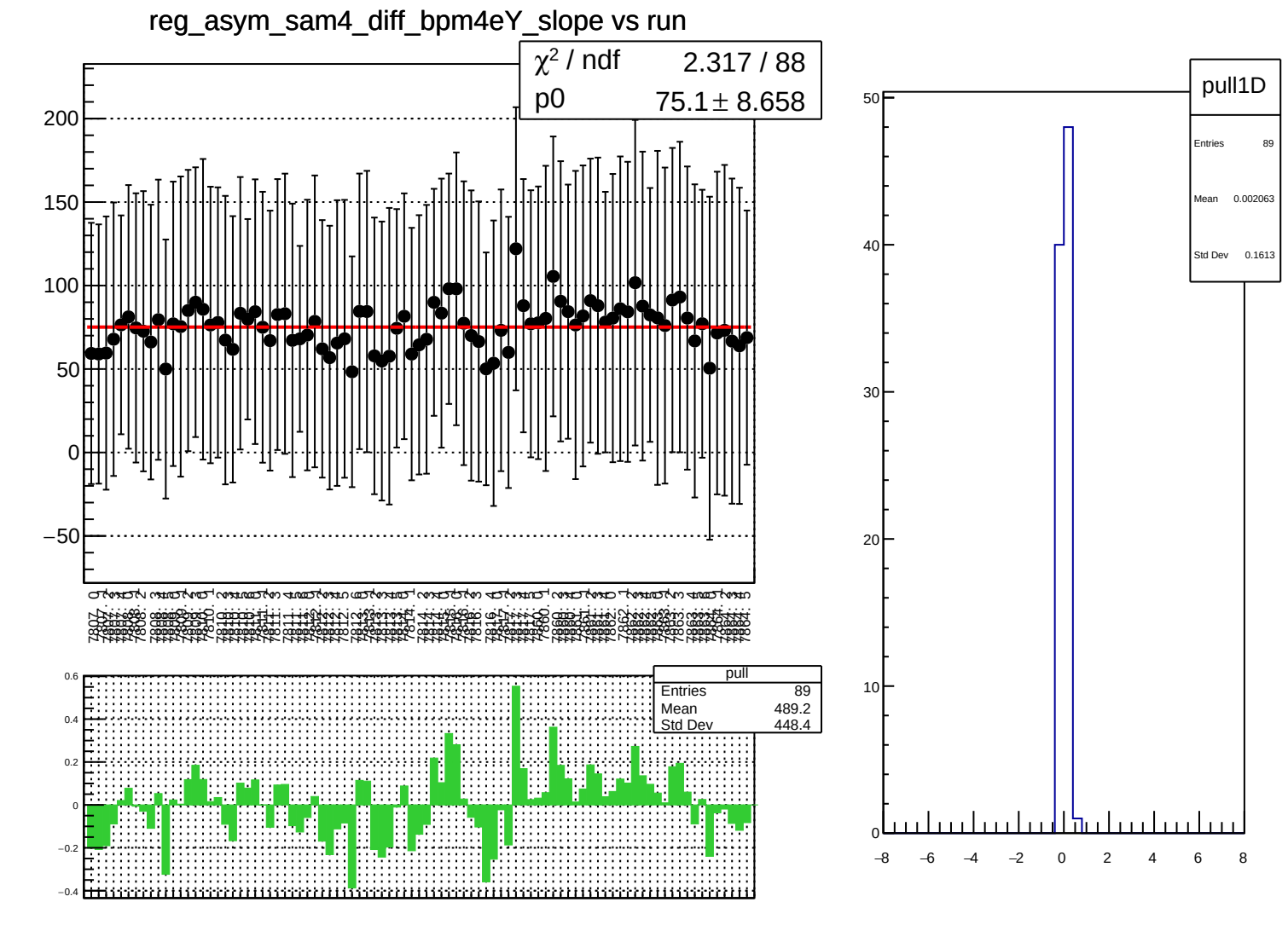

pull1D
Entries 89
Mean −0.02096
Std Dev 0.522

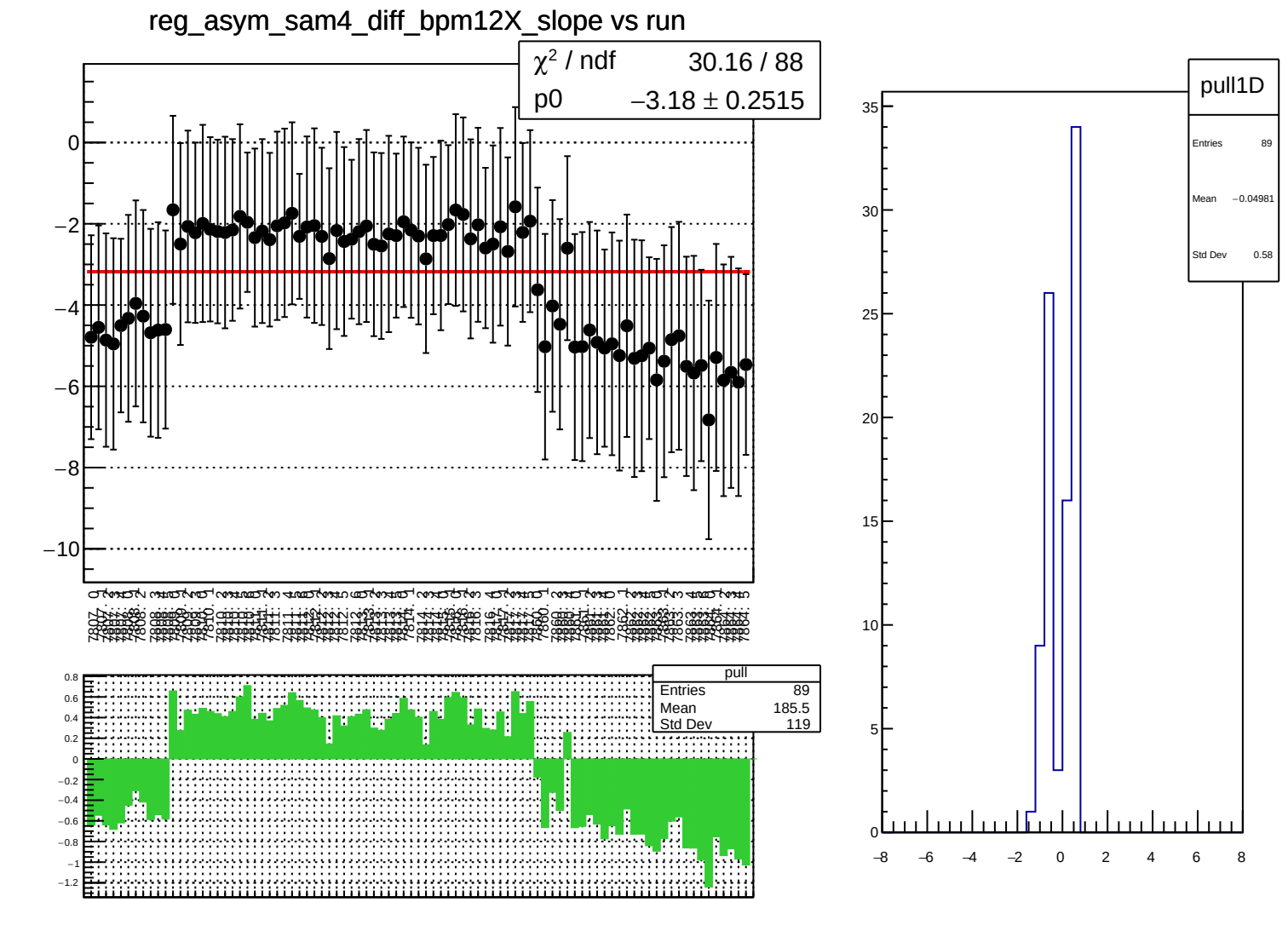

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.217 / 88
p0 144.8 ± 7.598
250
200
150
100
50
pull
Entries 89
Mean 876
Std Dev 838.6
0.4
0.2
0
−0.2
−0.4
−0.6

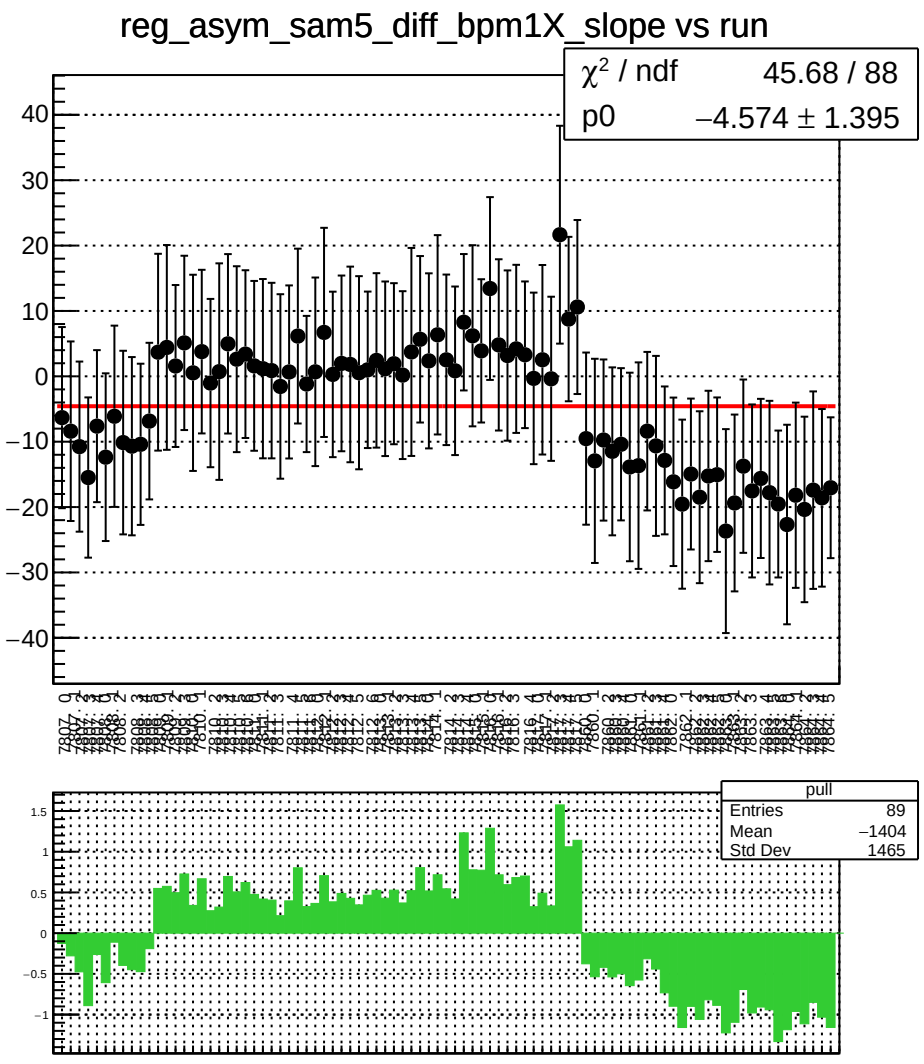

pull1D
Entries 89
Mean −0.001325
Std Dev 0.1901
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

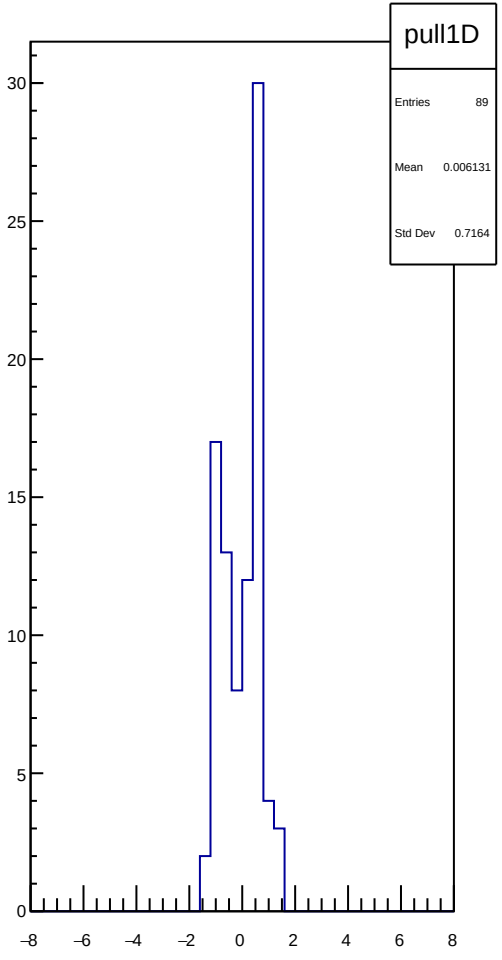

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 18.35 / 88
p0 −105.5 ± 6.753
pull
Entries 89
Mean 771.2
Std Dev 710.2

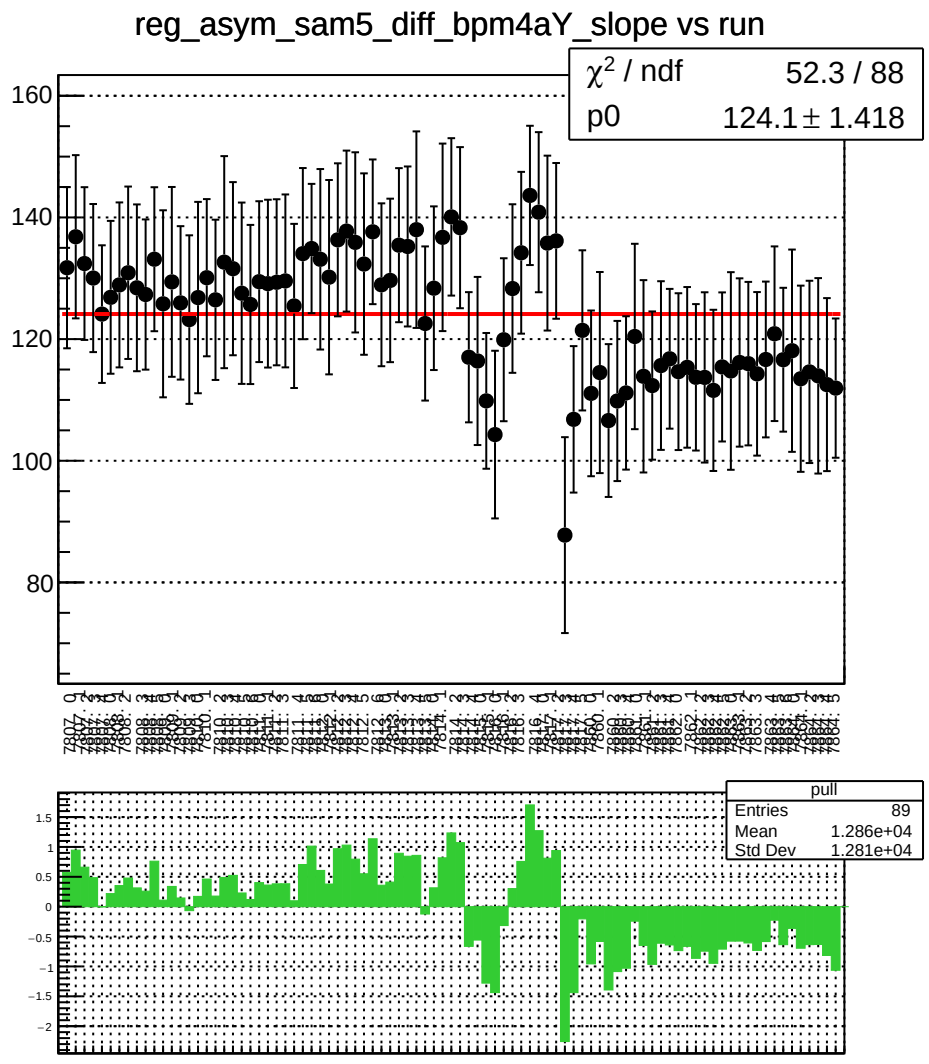

pull1D
Entries 89
Mean 0.008024
Std Dev 0.454

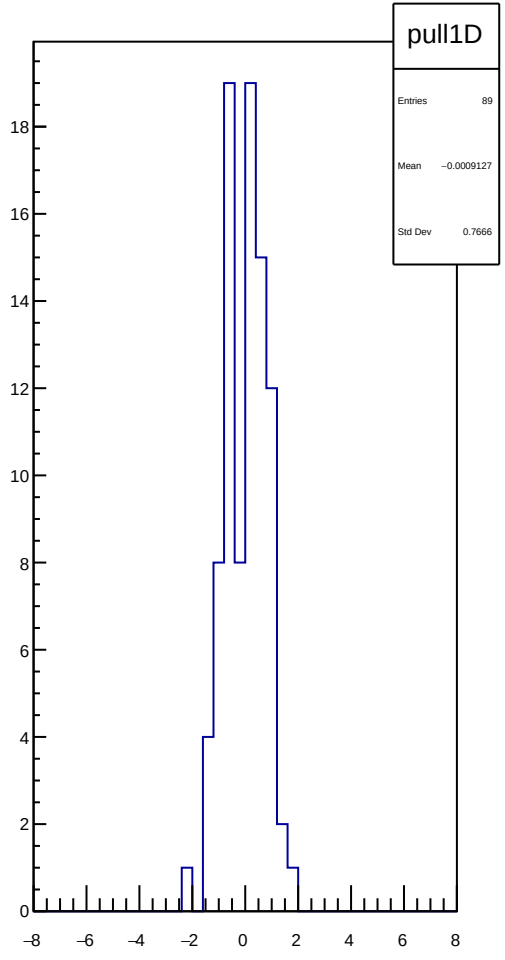

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 2.317 / 88
p0 75.1 ± 8.658
pull
Entries 89
Mean 489.2
Std Dev 448.4
pull1D
Entries 89
Mean 0.002063
Std Dev 0.1613

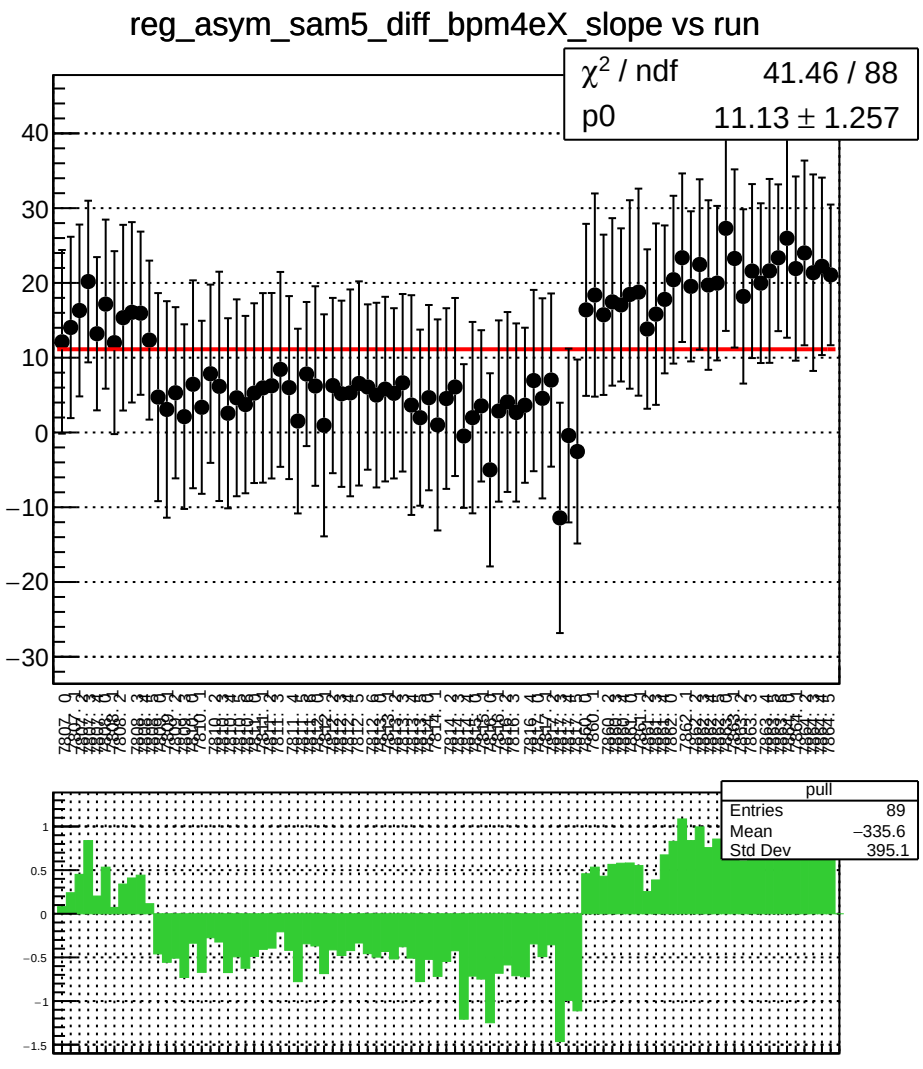

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 30.16 / 88
p0 −3.18 ± 0.2515
pull
Entries 89
Mean 185.5
Std Dev 119
pull1D
Entries 89
Mean −0.04981
Std Dev 0.58

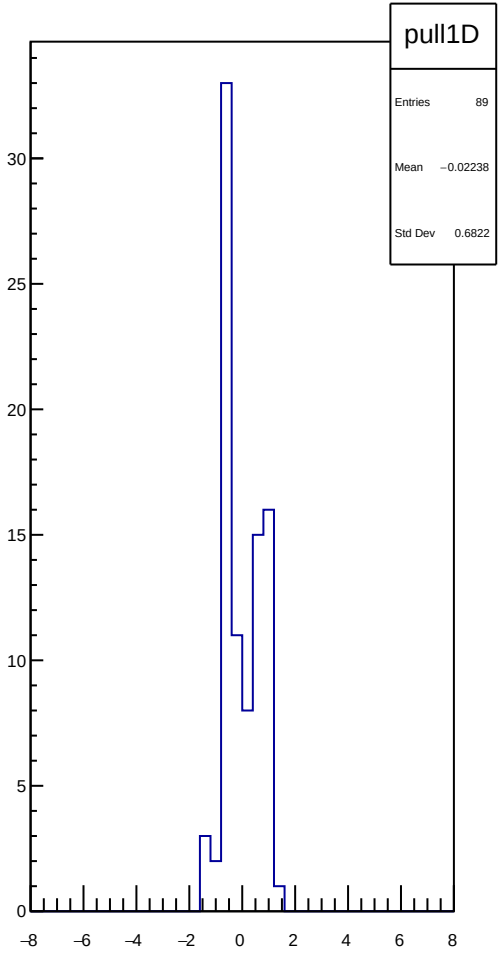

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 45.68 / 88
p0 −4.574 ± 1.395
pull
Entries 89
Mean −1404
Std Dev 1465

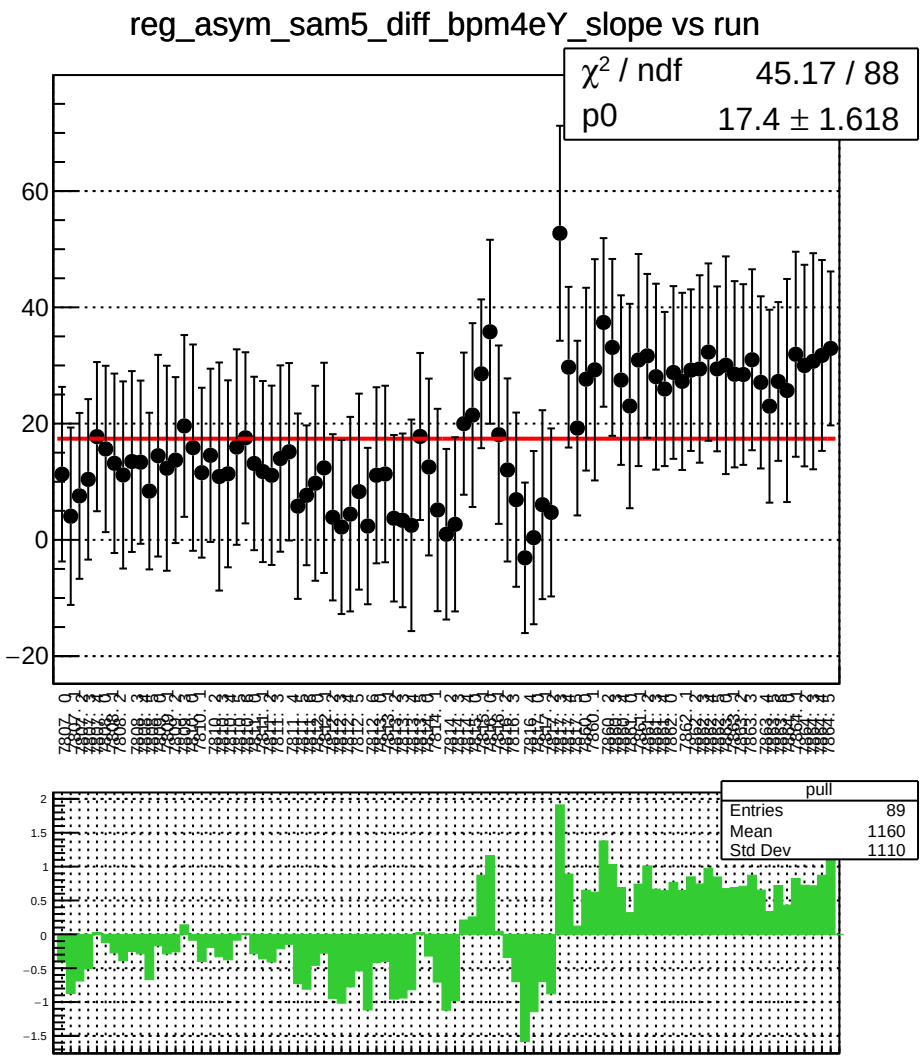

pull1D
Entries 89
Mean 0.006131
Std Dev 0.7164

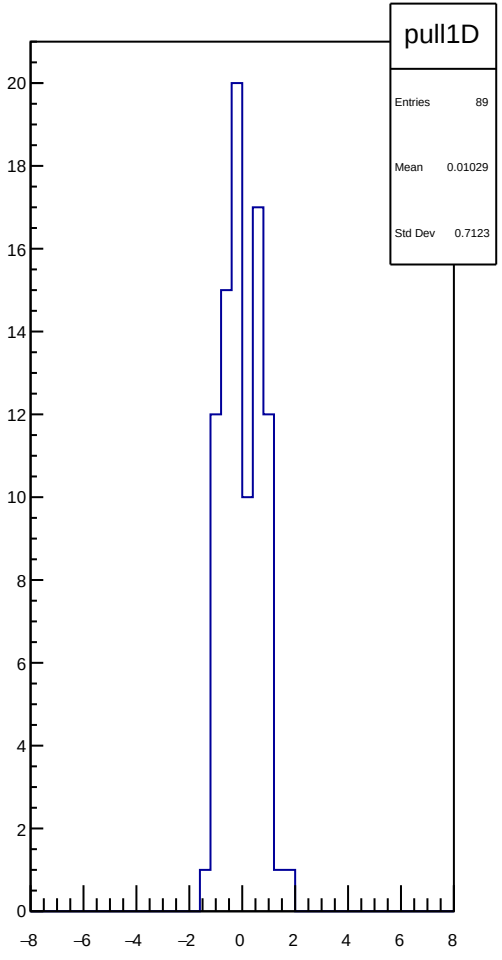

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 52.3 / 88
p0 124.1 ± 1.418
160
140
120
100
80
pull
Entries 89
Mean 1.286e+04
Std Dev 1.281e+04
1.5
1
0.5
0
−0.5
−1
−1.5
−2

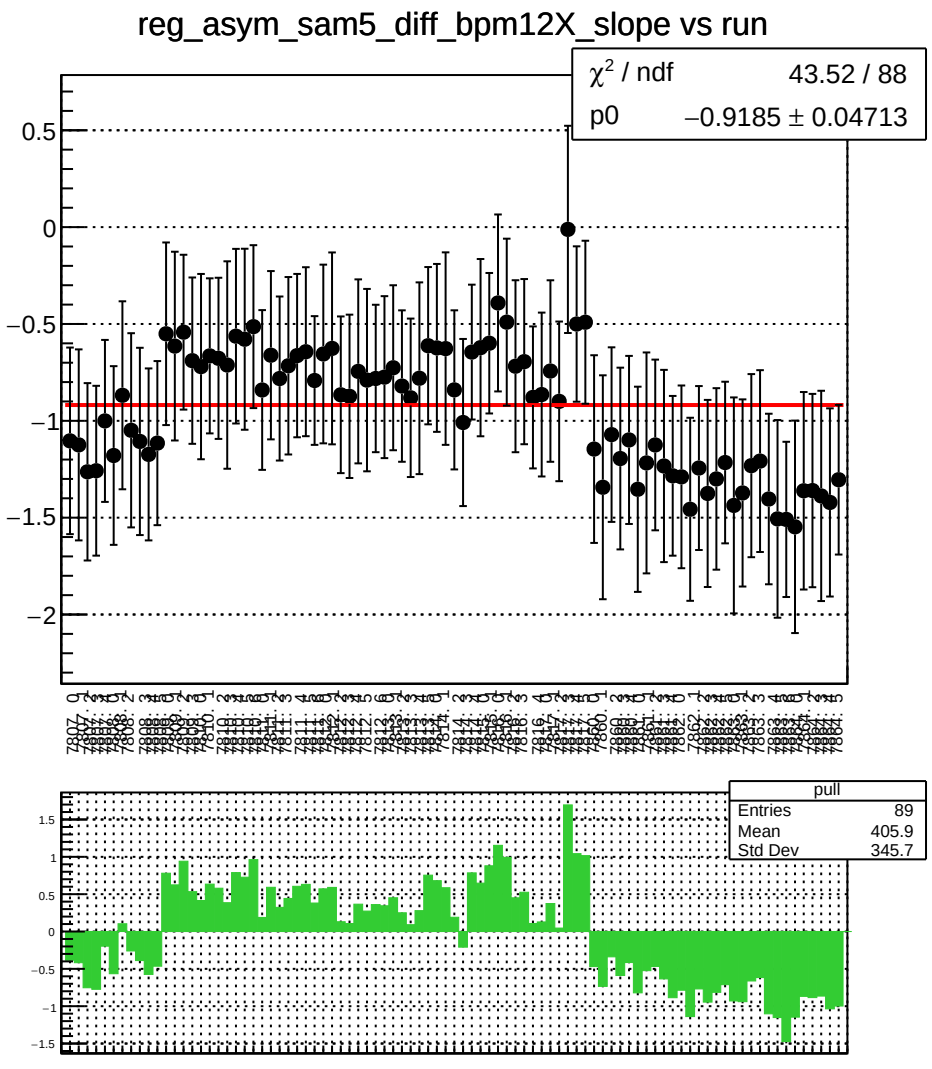

pull1D
Entries 89
Mean −0.0009127
Std Dev 0.7666
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

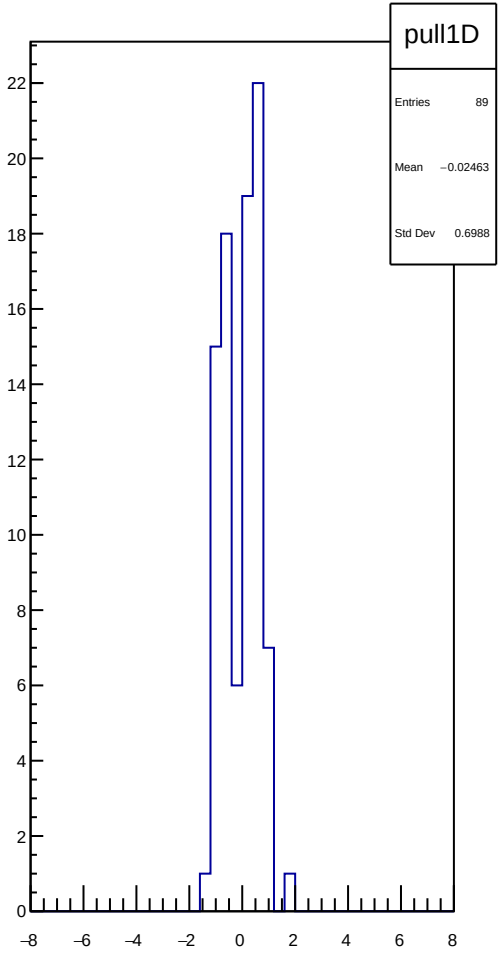

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 41.46 / 88
p0 11.13 ± 1.257
pull
Entries 89
Mean −335.6
Std Dev 395.1

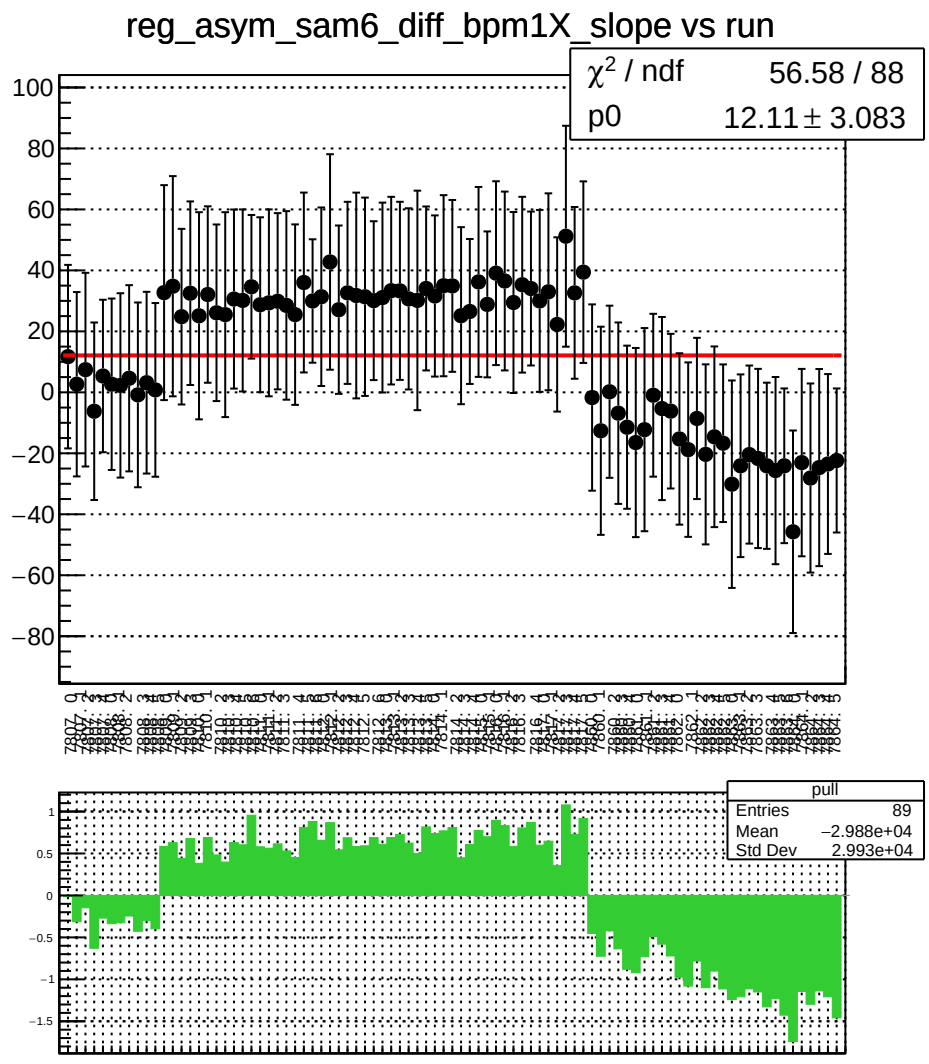

pull1D
Entries 89
Mean −0.02238
Std Dev 0.6822

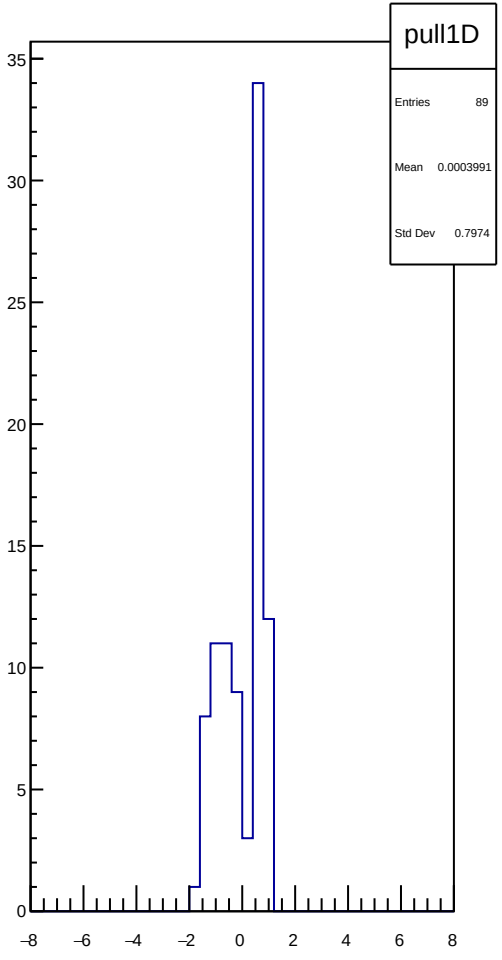

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 45.17 / 88
p0 17.4 ± 1.618
pull
Entries 89
Mean 1160
Std Dev 1110

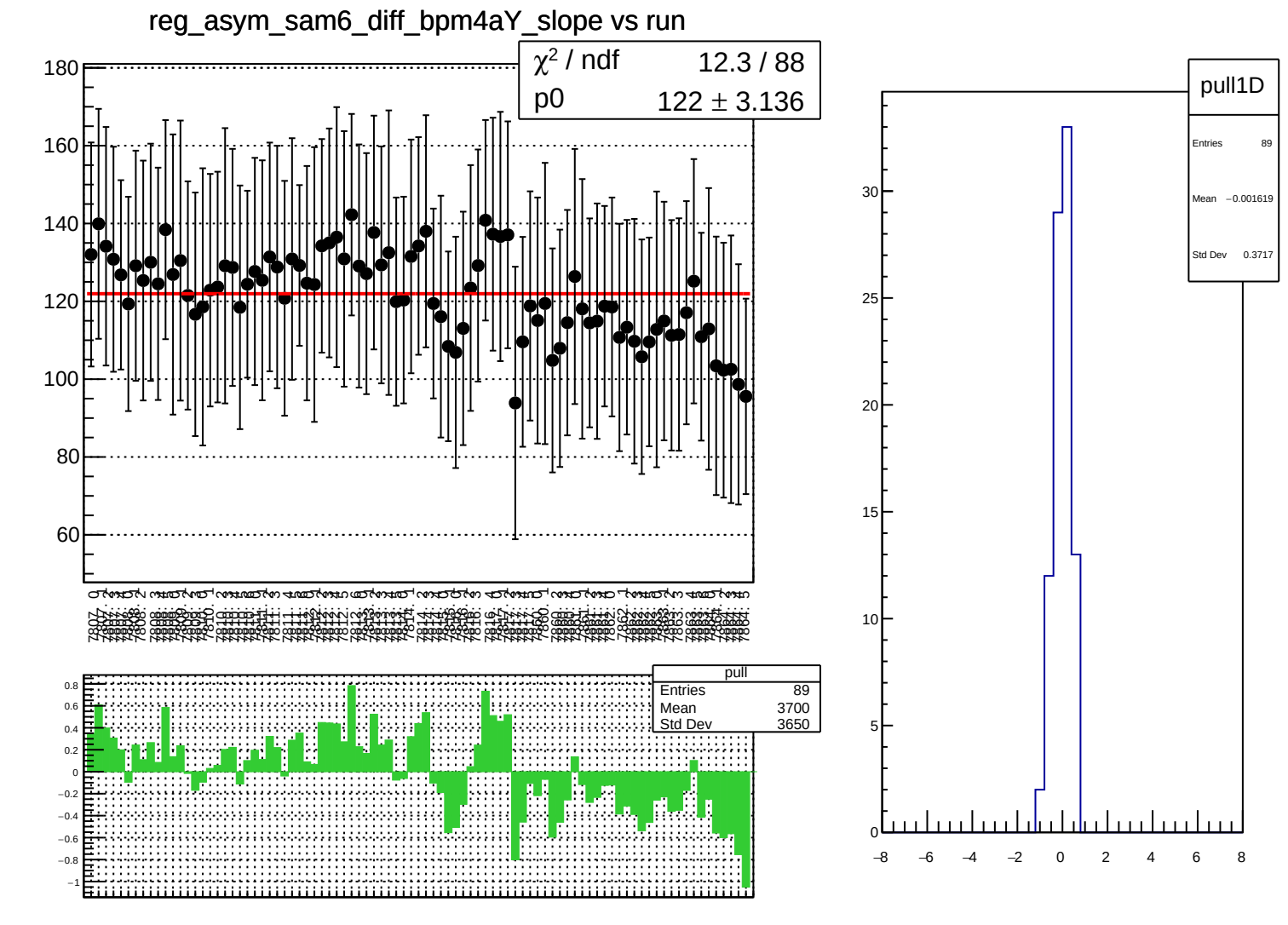

pull1D
Entries 89
Mean 0.01029
Std Dev 0.7123

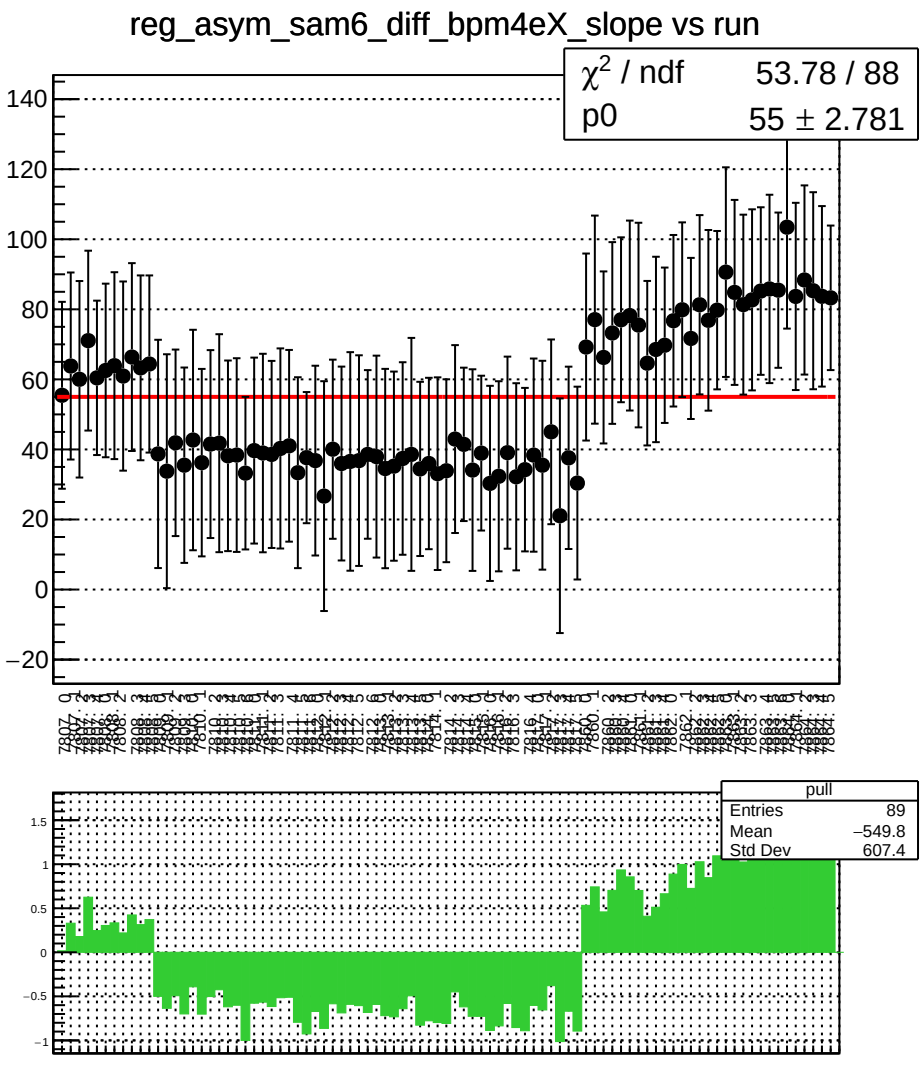

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 43.52 / 88
p0 −0.9185 ± 0.04713
pull
Entries 89
Mean 405.9
Std Dev 345.7

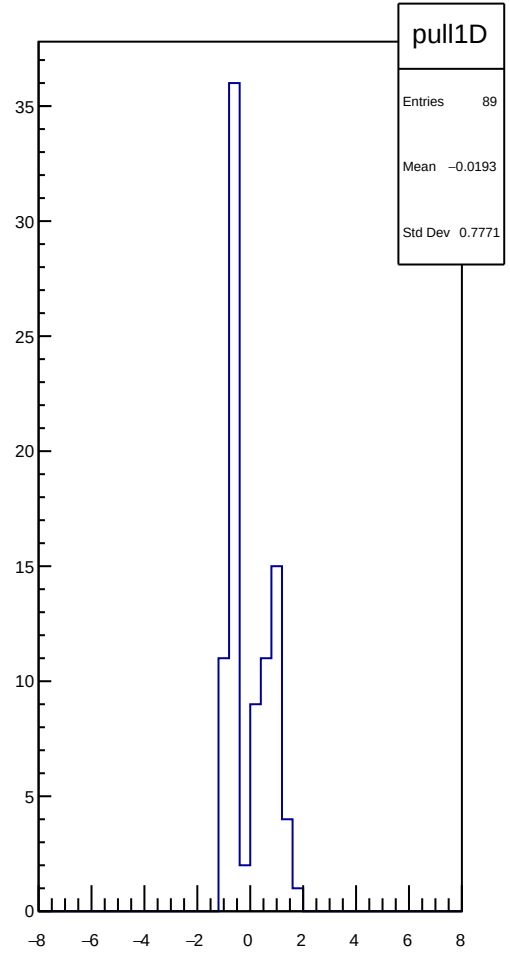

pull1D
Entries 89
Mean −0.02463
Std Dev 0.6988

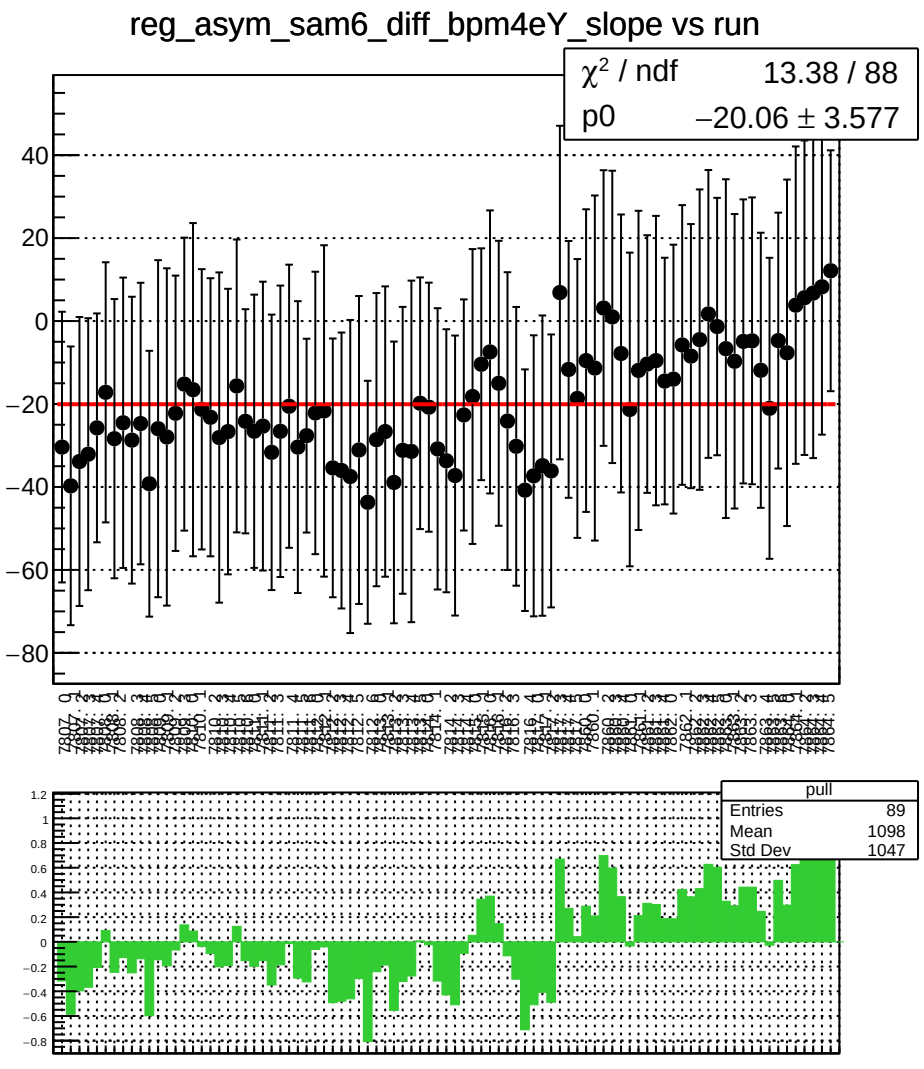

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 56.58 / 88
p0 12.11 ± 3.083
pull
Entries 89
Mean −2.988e+04
Std Dev 2.993e+04

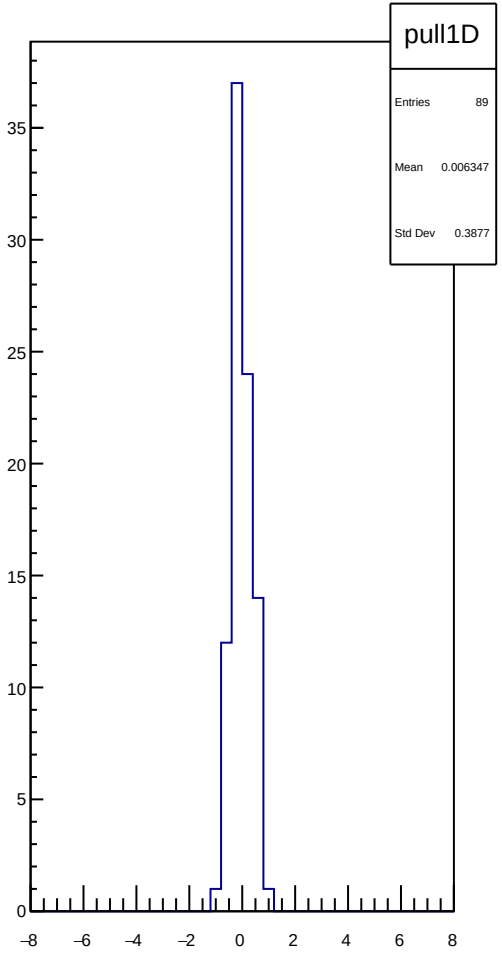

pull1D
Entries 89
Mean 0.0003991
Std Dev 0.7974

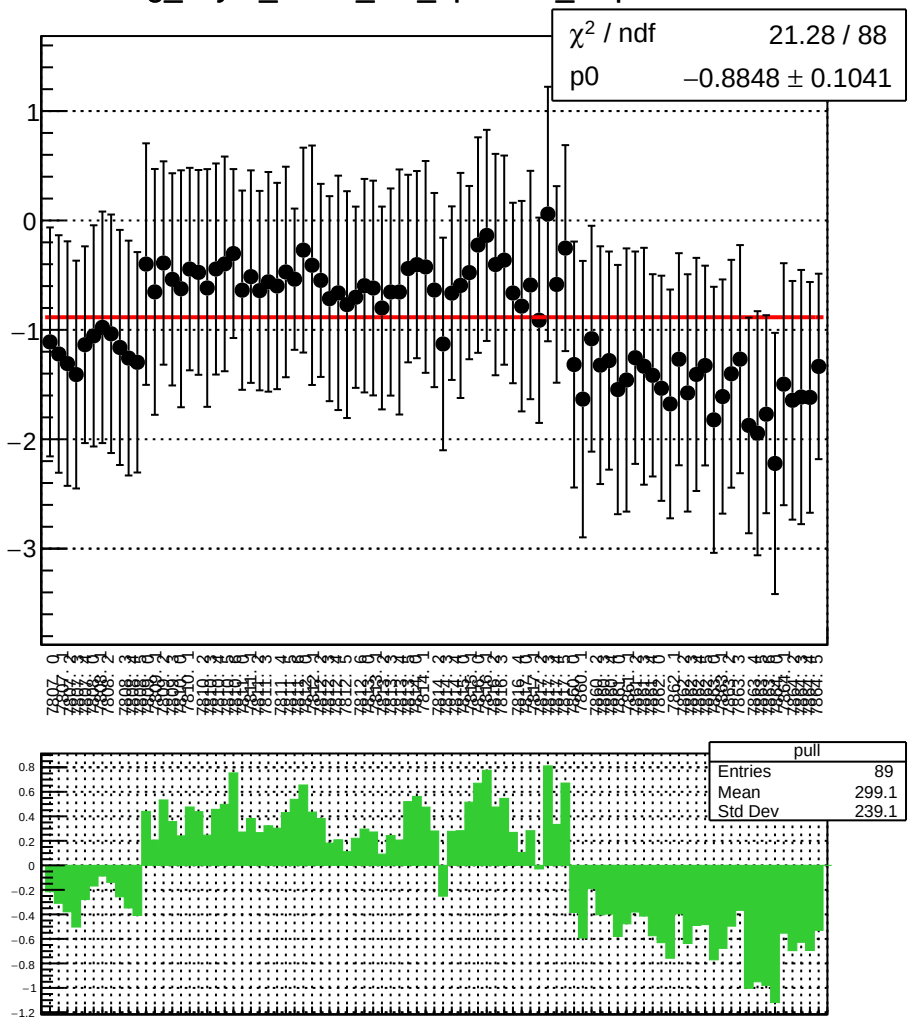

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 12.3 / 88
p0 122 ± 3.136
pull
Entries 89
Mean 3700
Std Dev 3650
pull1D
Entries 89
Mean −0.001619
Std Dev 0.3717

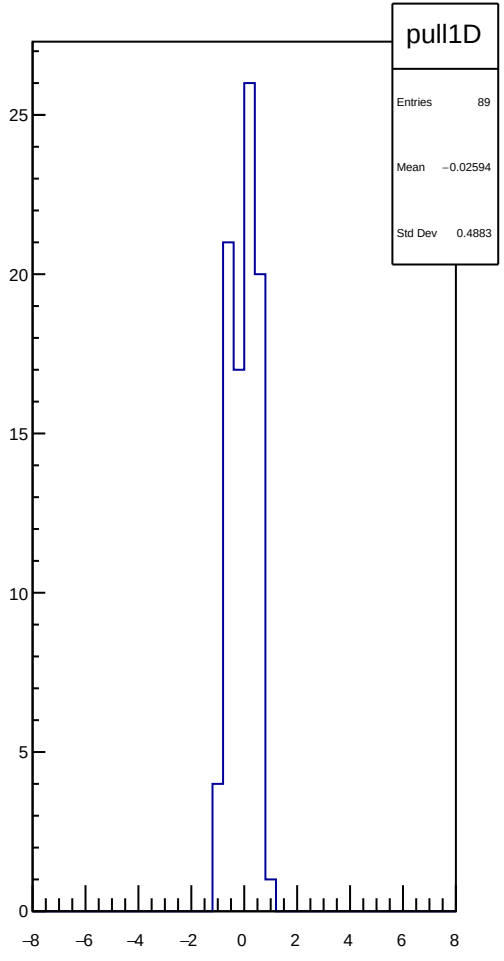

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 53.78 / 88
p0 55 ± 2.781
pull
Entries 89
Mean −549.8
Std Dev 607.4

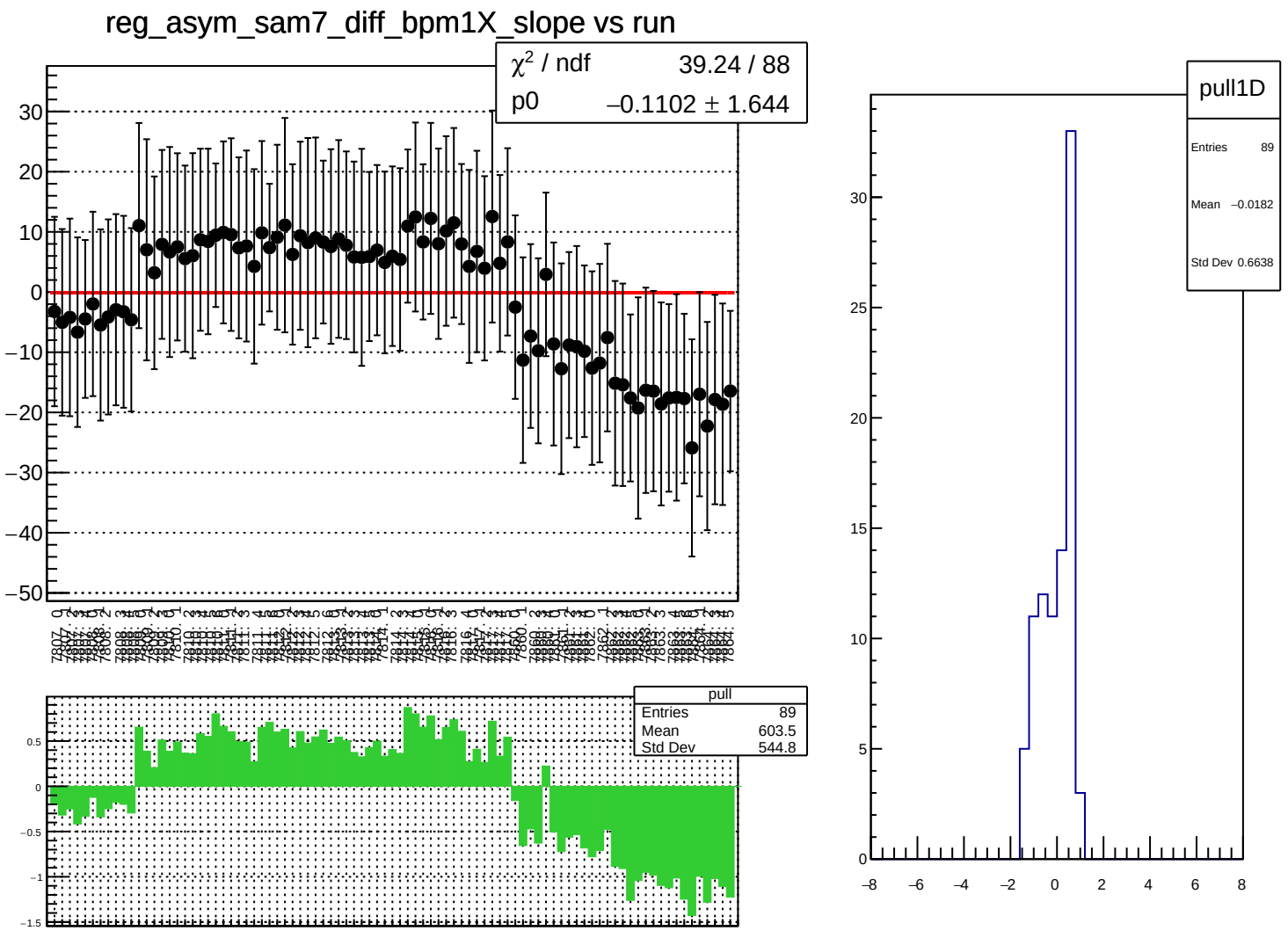

pull1D
Entries 89
Mean −0.0193
Std Dev 0.7771

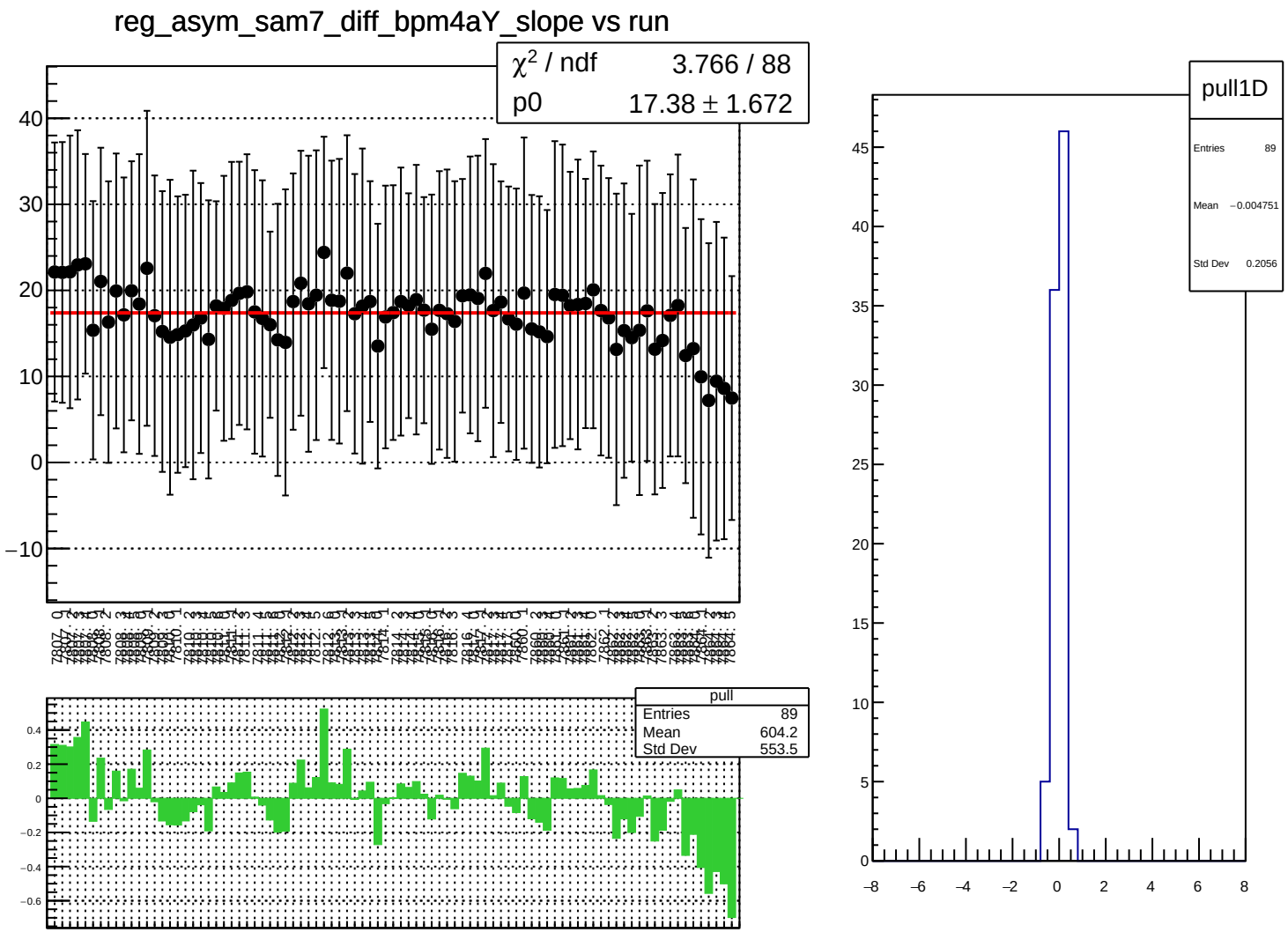

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.38 / 88
p0 −20.06 ± 3.577
pull
Entries 89
Mean 1098
Std Dev 1047

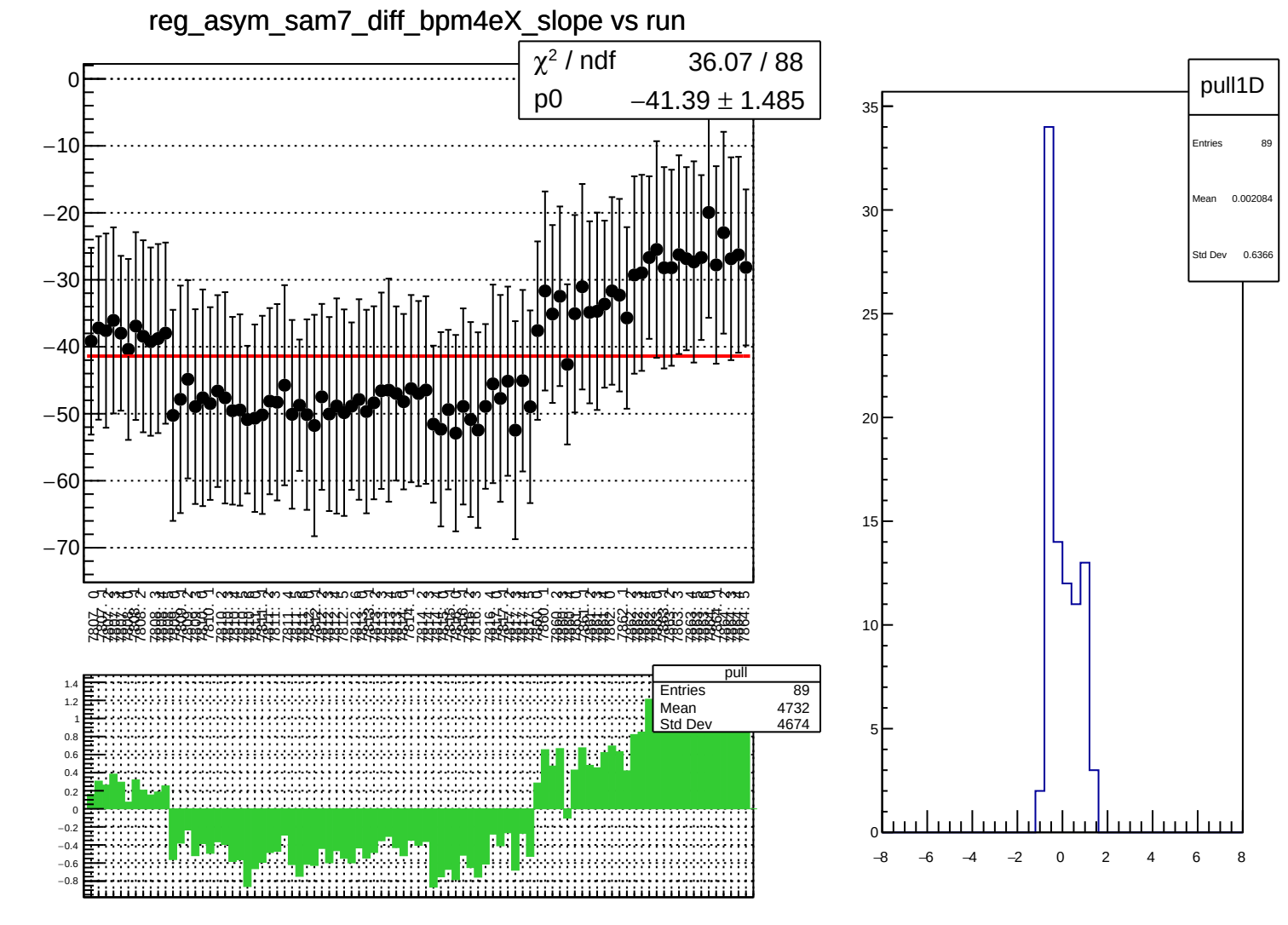

pull1D
Entries 89
Mean 0.006347
Std Dev 0.3877

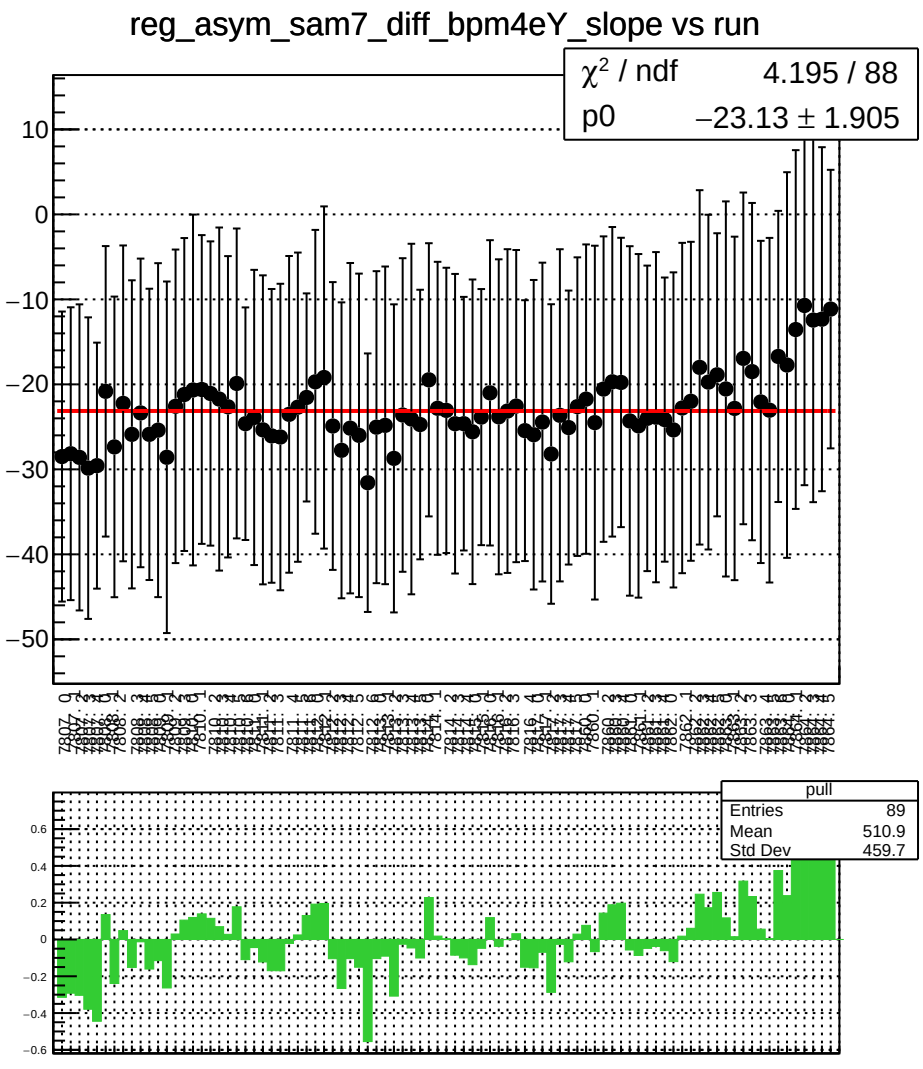

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 21.28 / 88
p0 −0.8848 ± 0.1041
pull
Entries 89
Mean 299.1
Std Dev 239.1

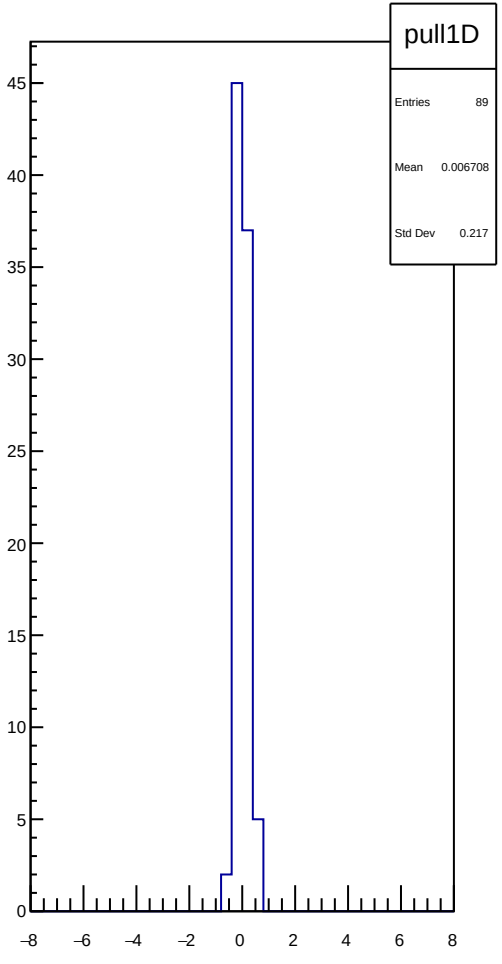

pull1D
Entries 89
Mean −0.02594
Std Dev 0.4883

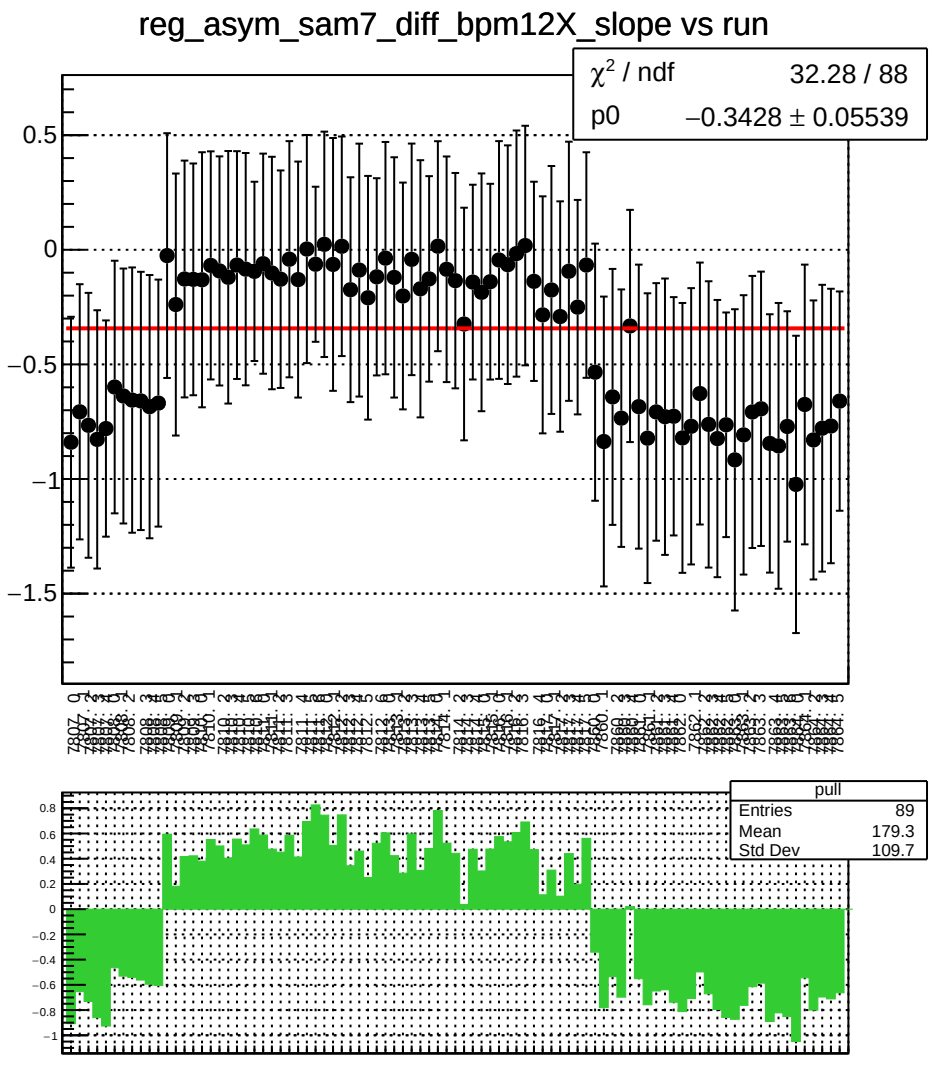

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 39.24 / 88
p0 −0.1102 ± 1.644
pull
Entries 89
Mean 603.5
Std Dev 544.8
pull1D
Entries 89
Mean −0.0182
Std Dev 0.6638

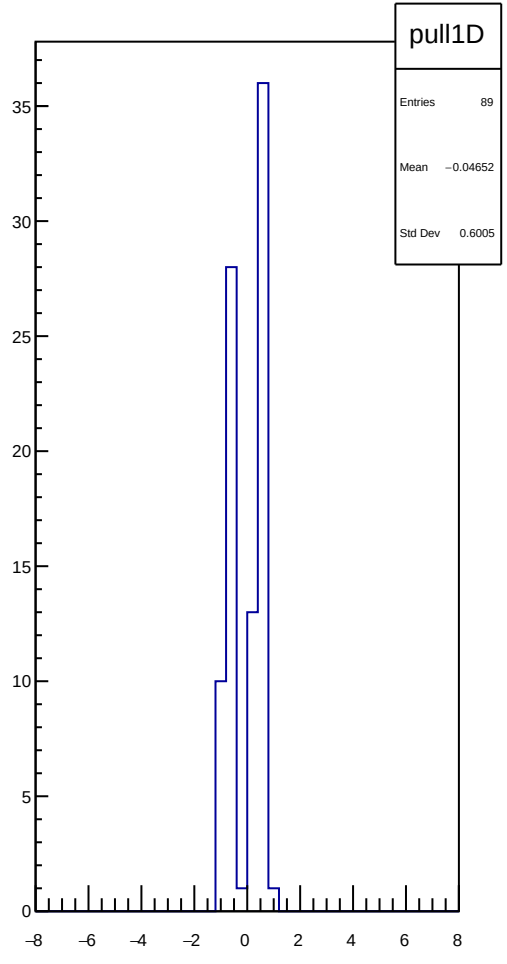

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.766 / 88
p0 17.38 ± 1.672
pull
Entries 89
Mean 604.2
Std Dev 553.5
pull1D
Entries 89
Mean −0.004751
Std Dev 0.2056

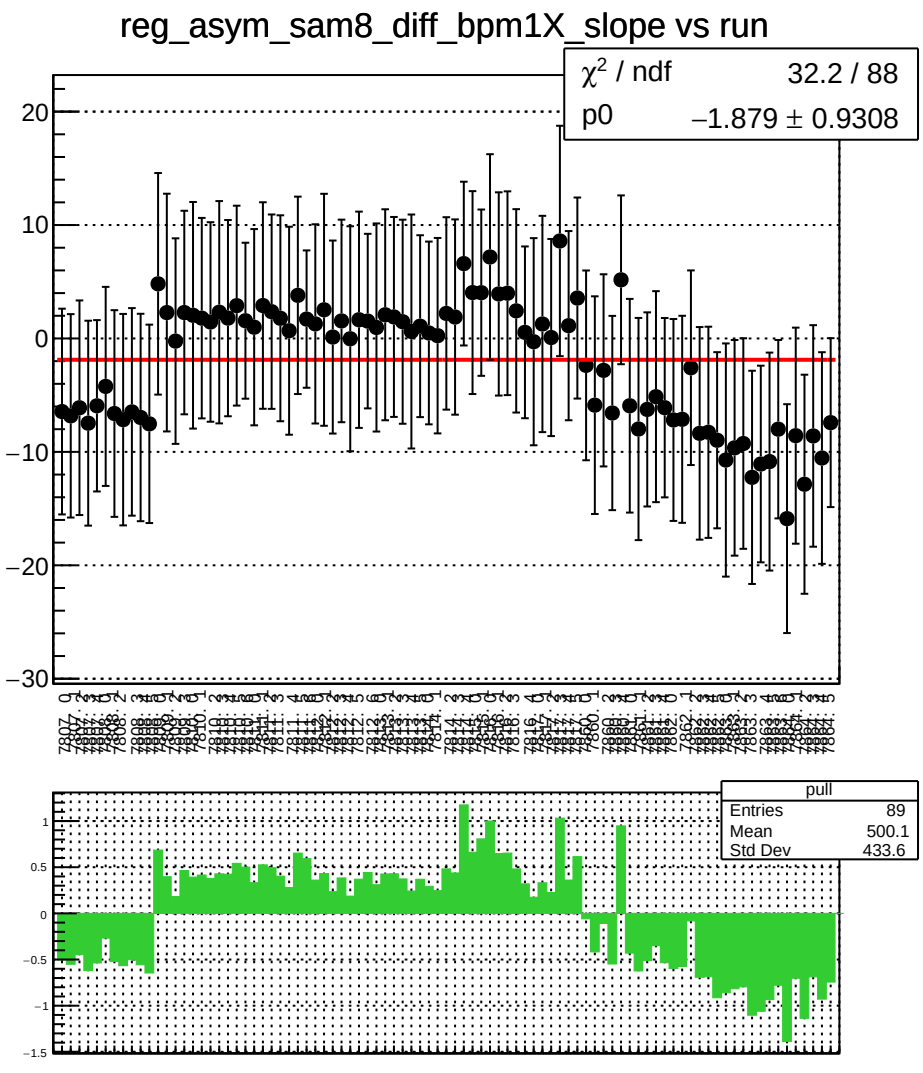

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 36.07 / 88
p0 −41.39 ± 1.485
pull
Entries 89
Mean 4732
Std Dev 4674
pull1D
Entries 89
Mean 0.002084
Std Dev 0.6366

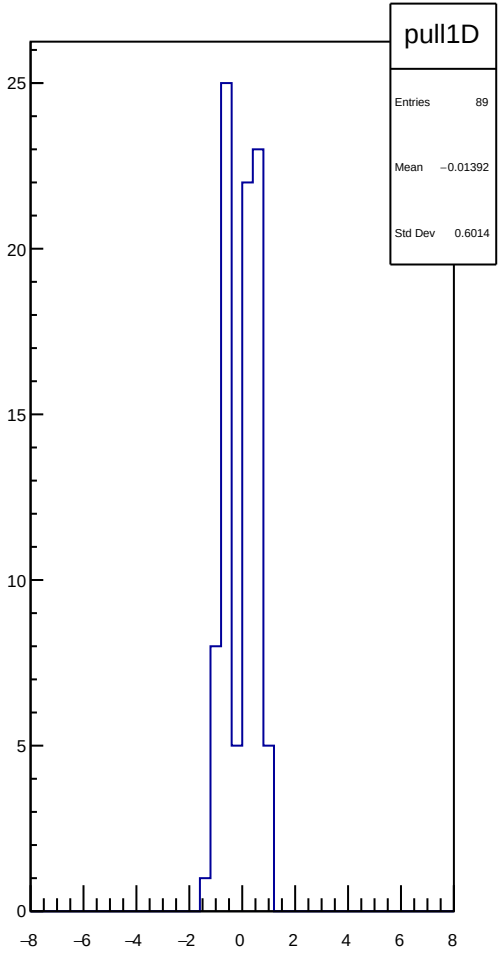

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 4.195 / 88
p0 −23.13 ± 1.905
pull
Entries 89
Mean 510.9
Std Dev 459.7

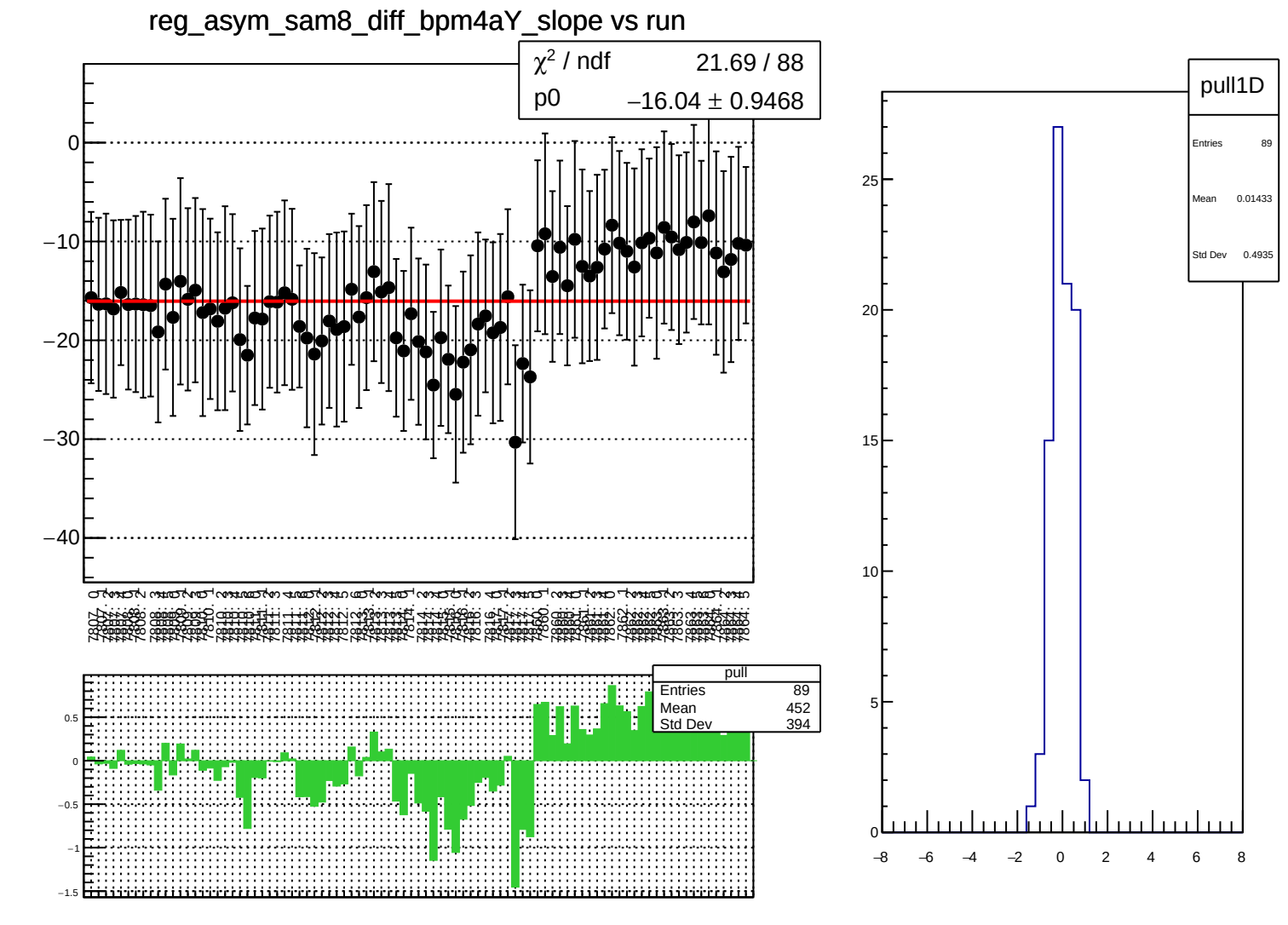

pull1D
Entries 89
Mean 0.006708
Std Dev 0.217

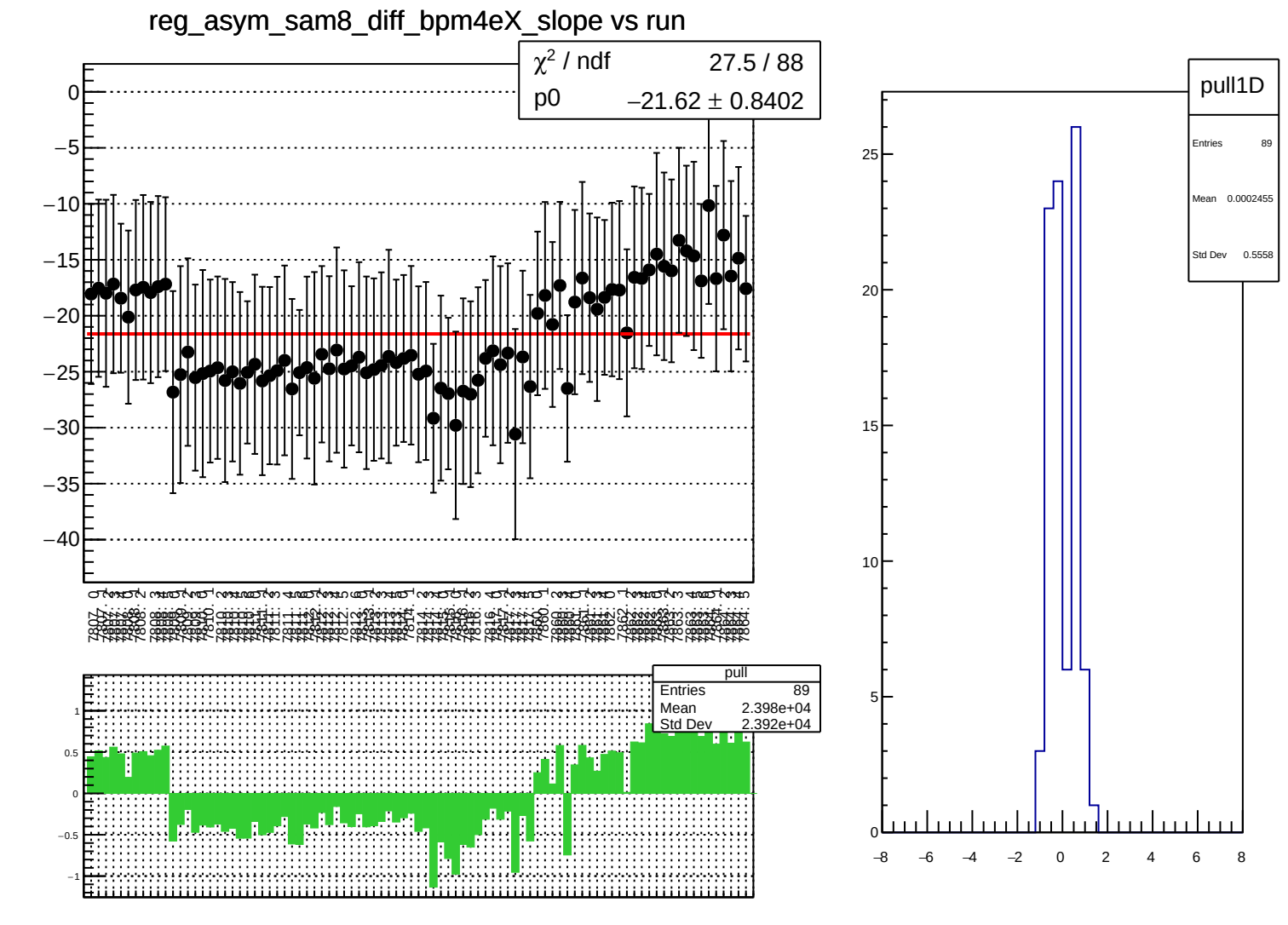

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 32.28 / 88
p0 −0.3428 ± 0.05539
0.5
0
−0.5
−1
−1.5
pull
Entries 89
Mean 179.3
Std Dev 109.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

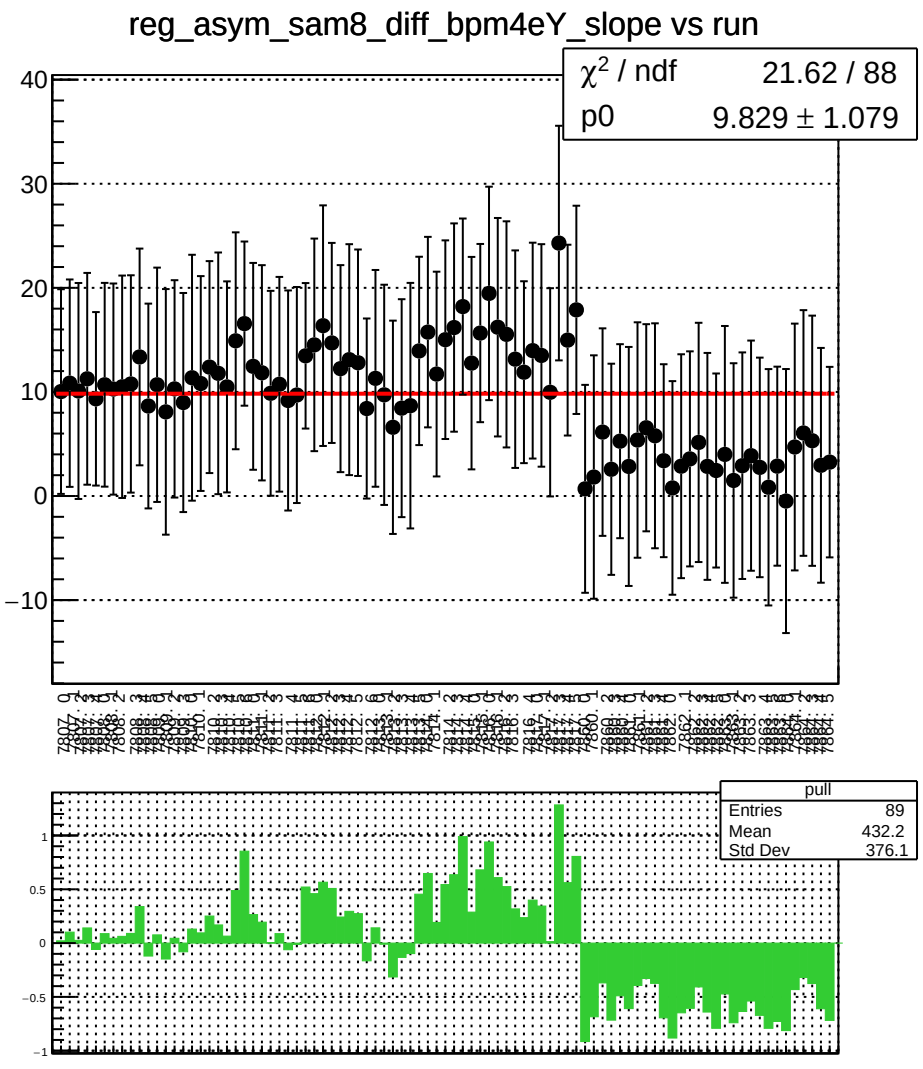

pull1D
Entries 89
Mean −0.04652
Std Dev 0.6005
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

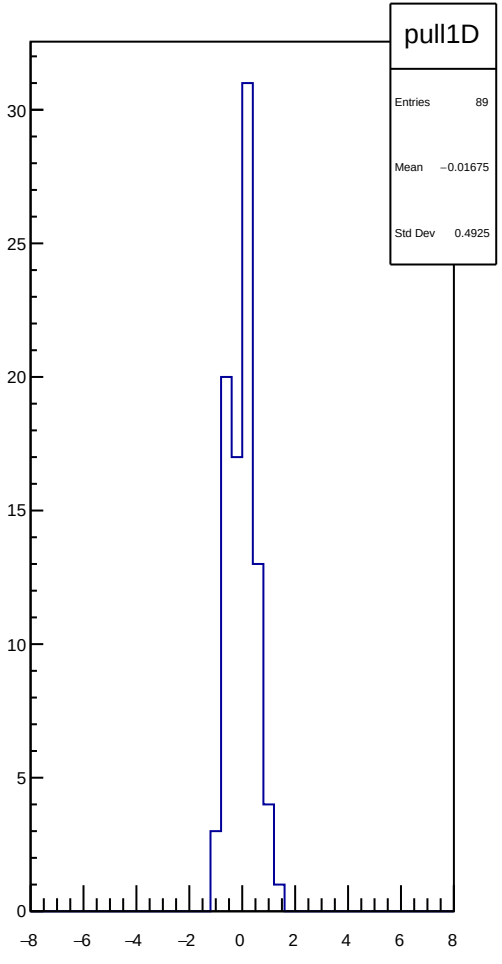

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 32.2 / 88
p0 −1.879 ± 0.9308
pull
Entries 89
Mean 500.1
Std Dev 433.6

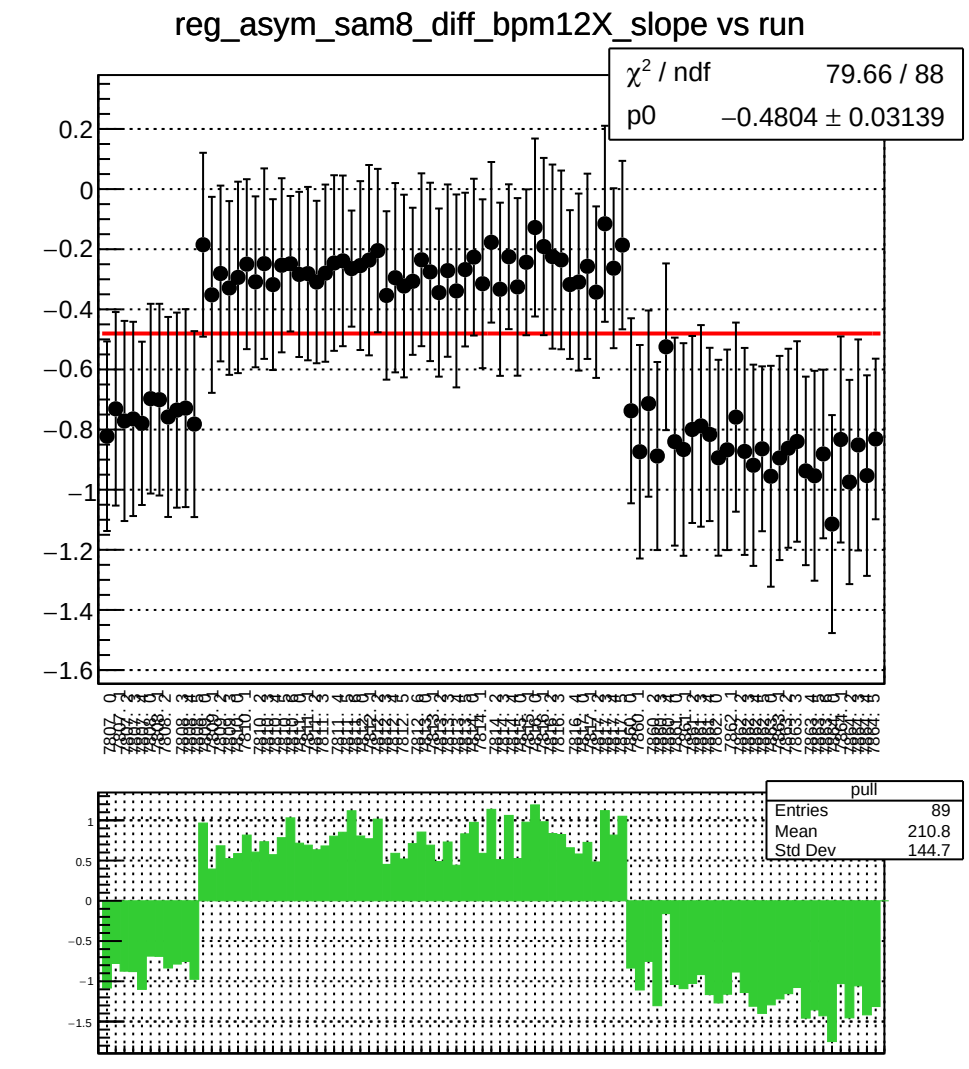

pull1D
Entries 89
Mean −0.01392
Std Dev 0.6014

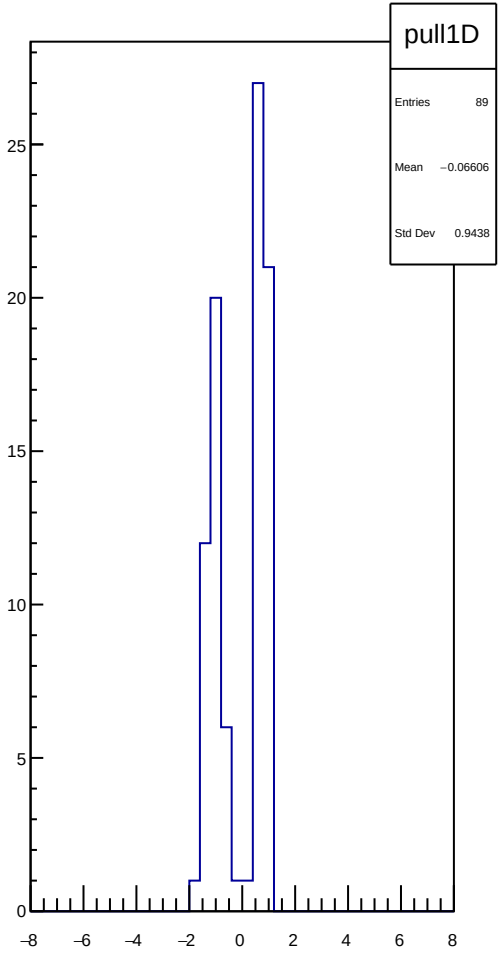

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 21.69 / 88
p0 −16.04 ± 0.9468
pull
Entries 89
Mean 452
Std Dev 394
pull1D
Entries 89
Mean 0.01433
Std Dev 0.4935

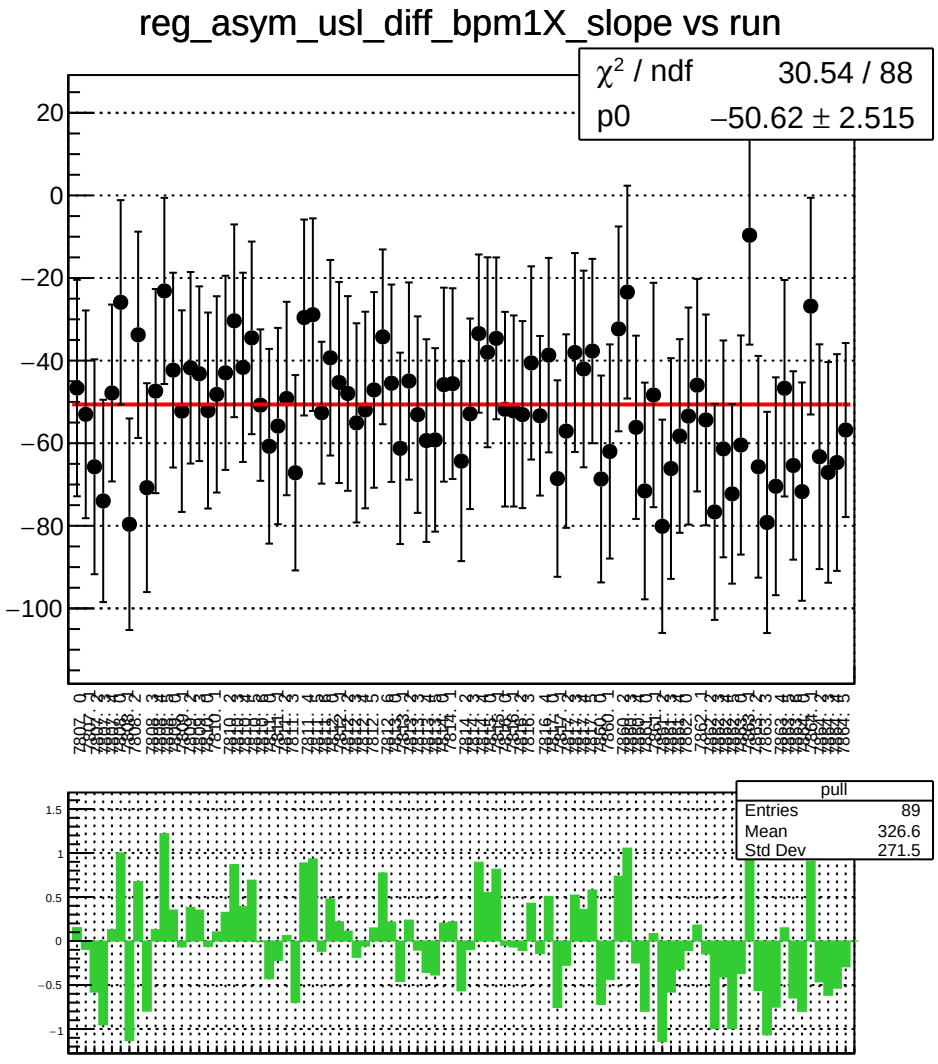

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 27.5 / 88
p0 −21.62 ± 0.8402
pull
Entries 89
Mean 2.398e+04
Std Dev 2.392e+04
pull1D
Entries 89
Mean 0.0002455
Std Dev 0.5558

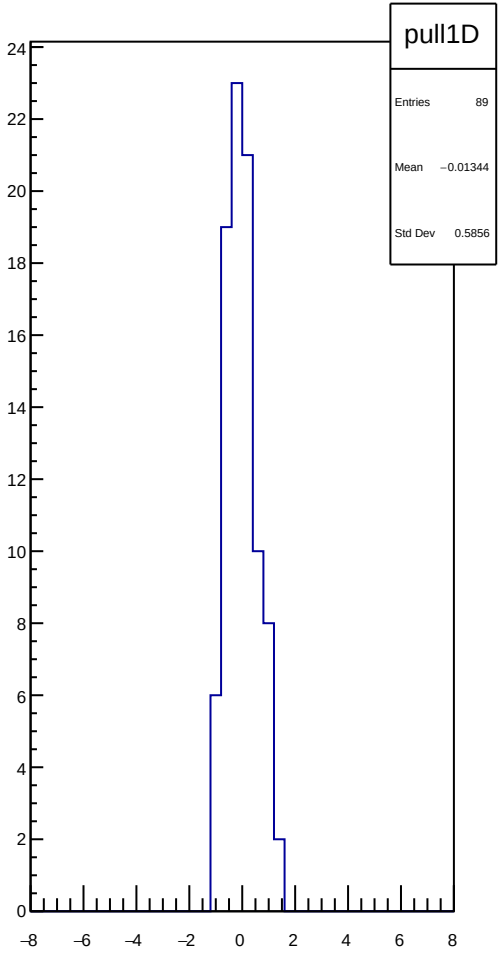

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 21.62 / 88
p0 9.829 ± 1.079
pull
Entries 89
Mean 432.2
Std Dev 376.1

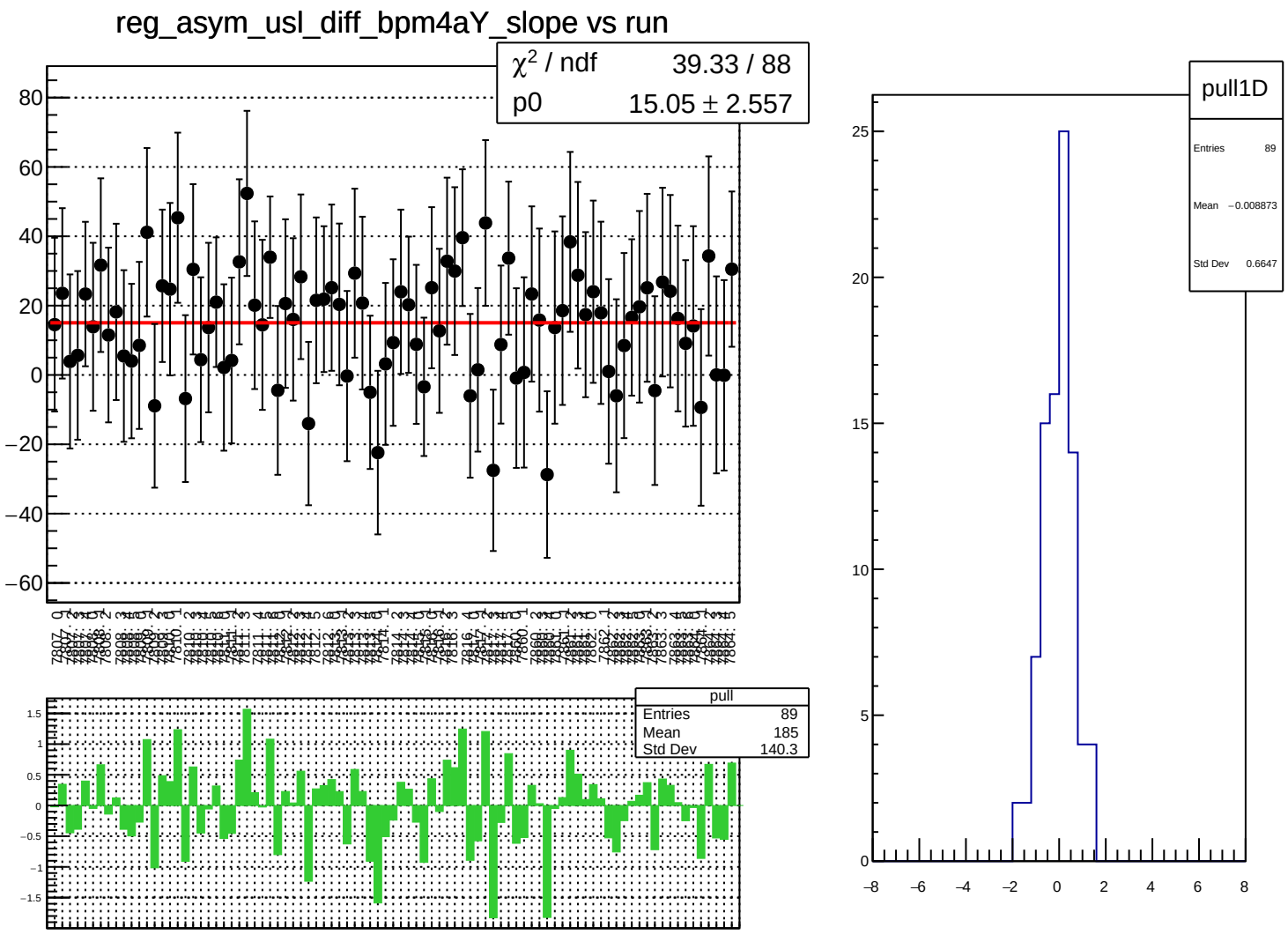

pull1D
Entries 89
Mean −0.01675
Std Dev 0.4925

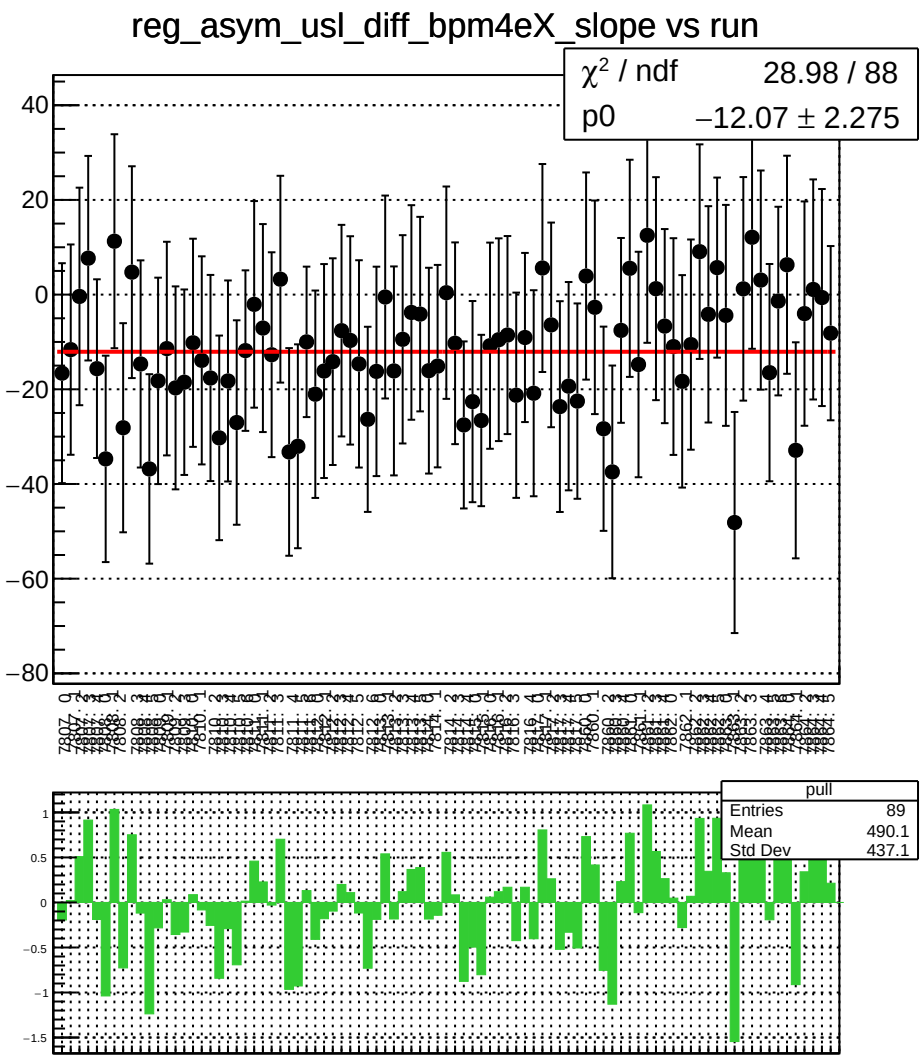

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 79.66 / 88
p0 −0.4804 ± 0.03139
pull
Entries 89
Mean 210.8
Std Dev 144.7

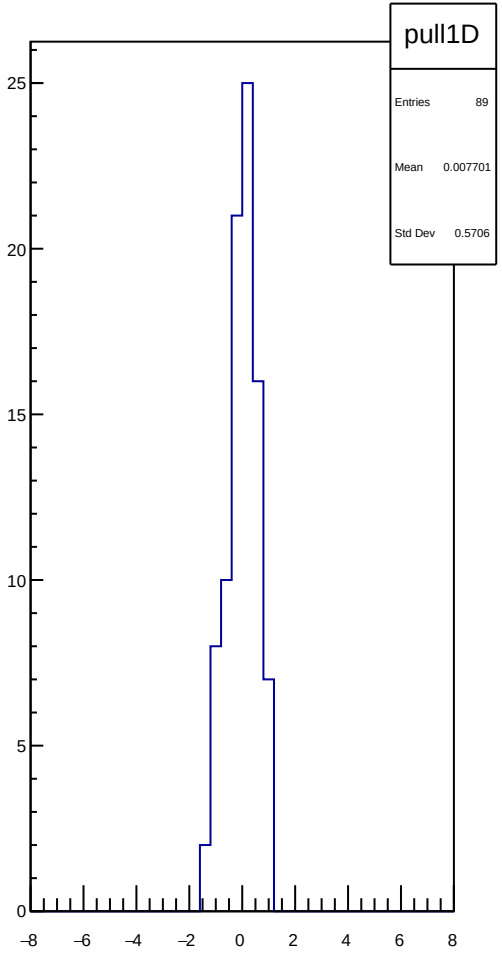

pull1D
Entries 89
Mean −0.06606
Std Dev 0.9438

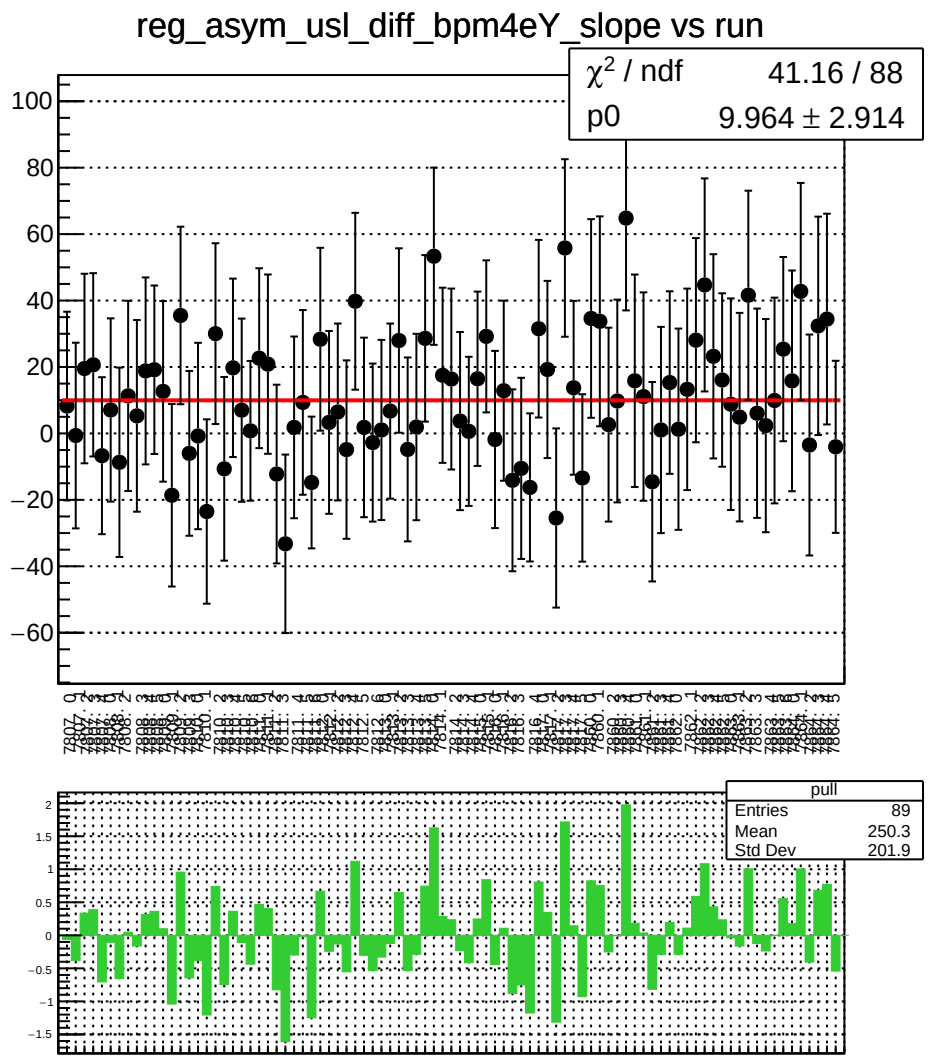

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 30.54 / 88
p0 −50.62 ± 2.515
pull
Entries 89
Mean 326.6
Std Dev 271.5

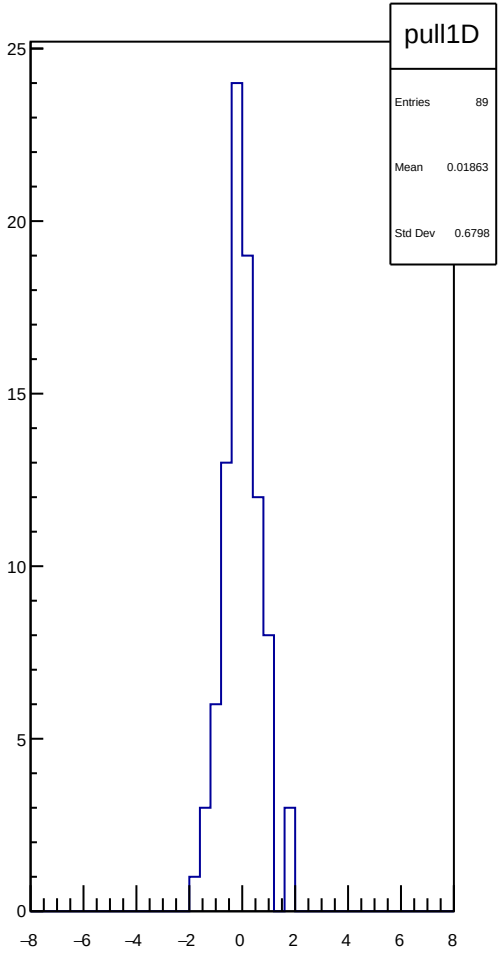

pull1D
Entries 89
Mean −0.01344
Std Dev 0.5856

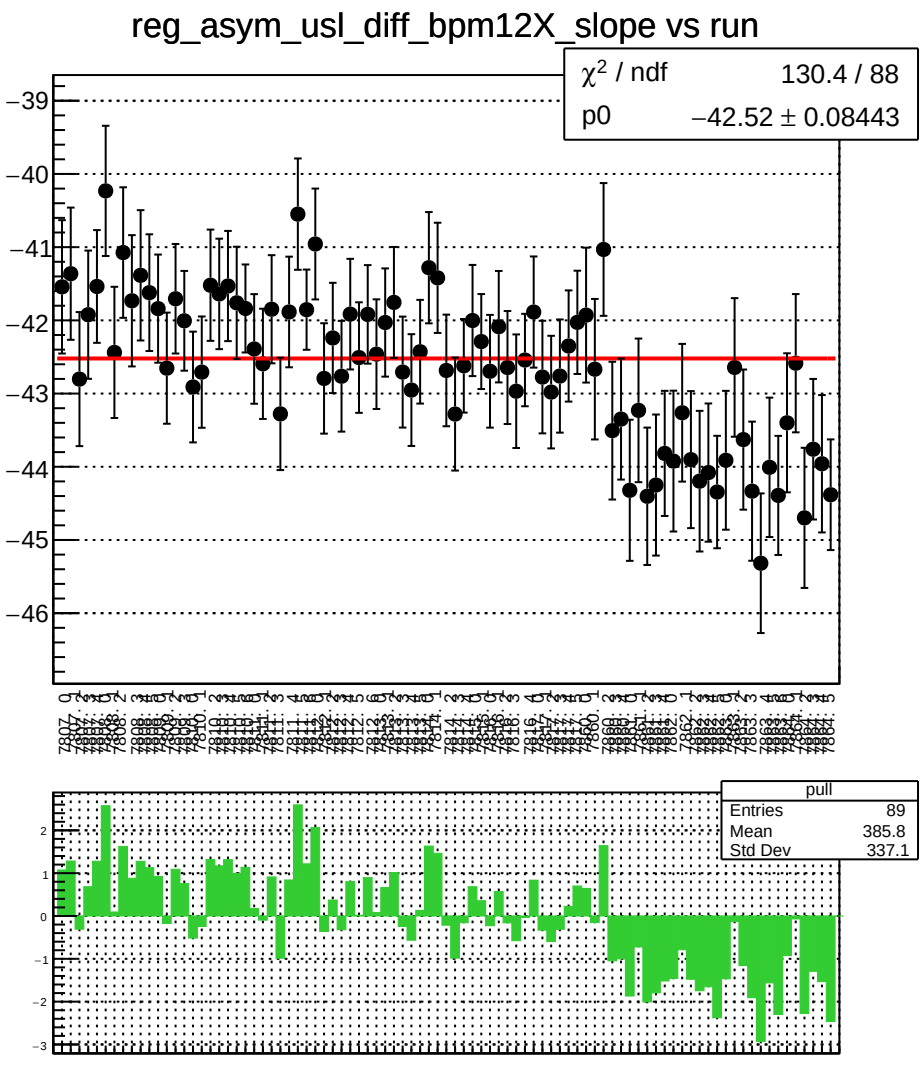

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 39.33 / 88
p0 15.05 ± 2.557
pull
Entries 89
Mean 185
Std Dev 140.3
pull1D
Entries 89
Mean −0.008873
Std Dev 0.6647

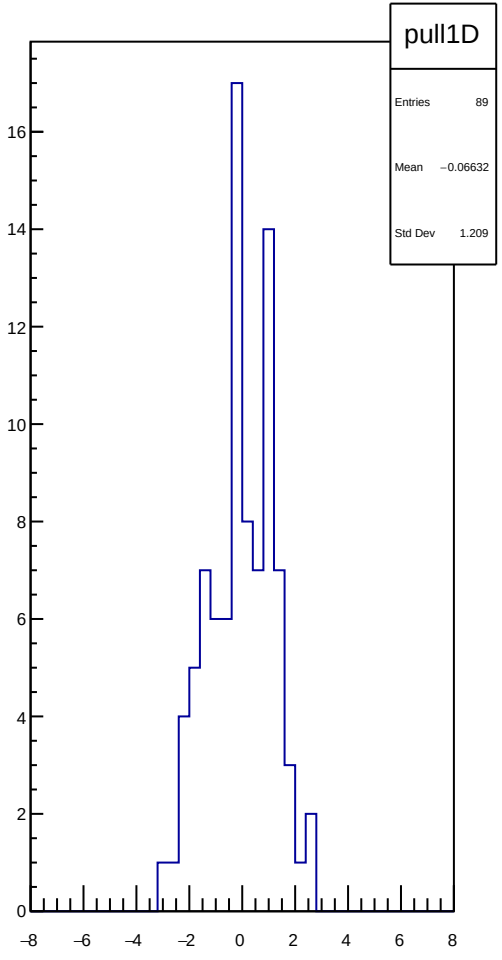

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 28.98 / 88
p0 −12.07 ± 2.275
pull
Entries 89
Mean 490.1
Std Dev 437.1

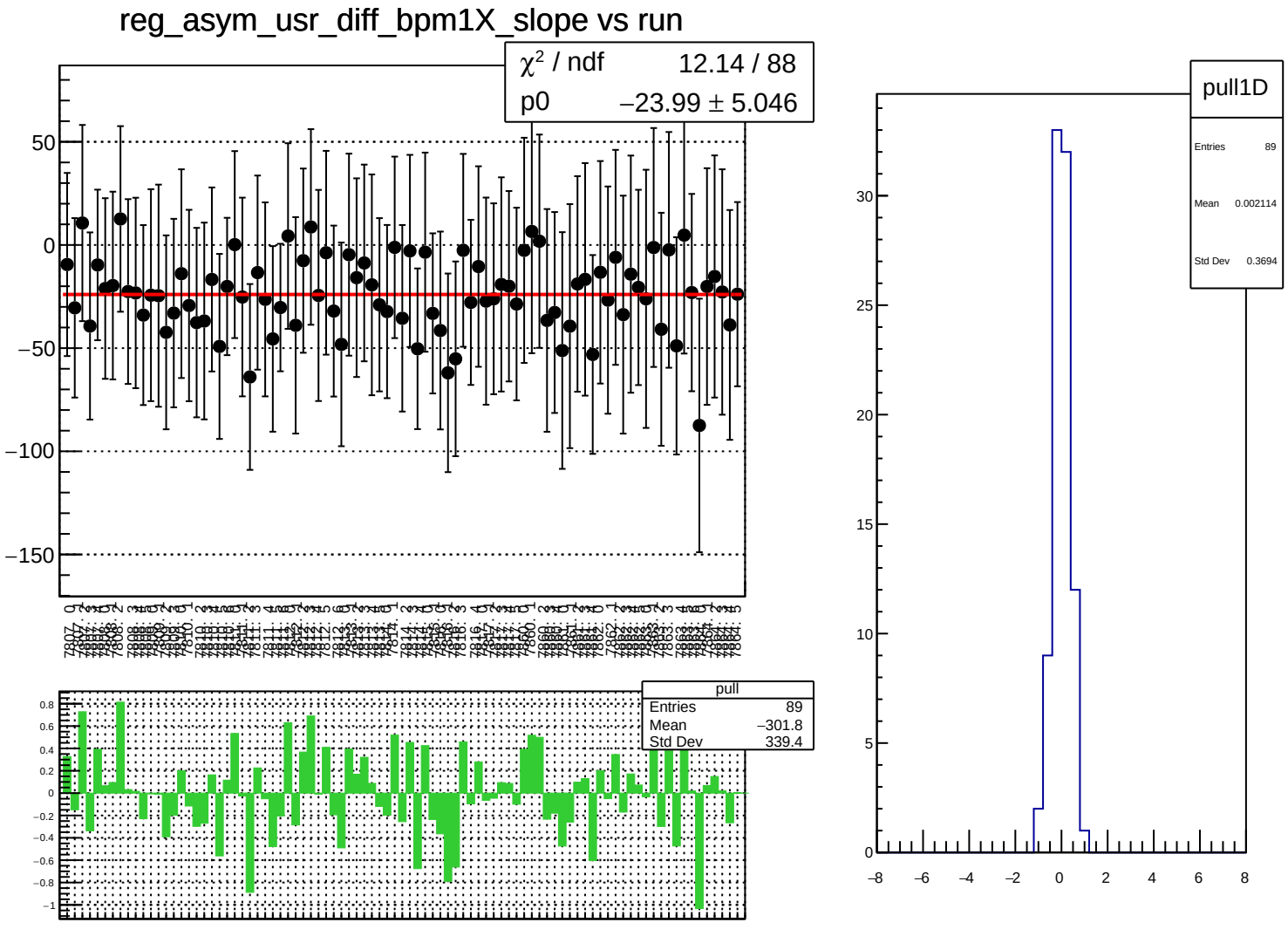

pull1D
Entries 89
Mean 0.007701
Std Dev 0.5706

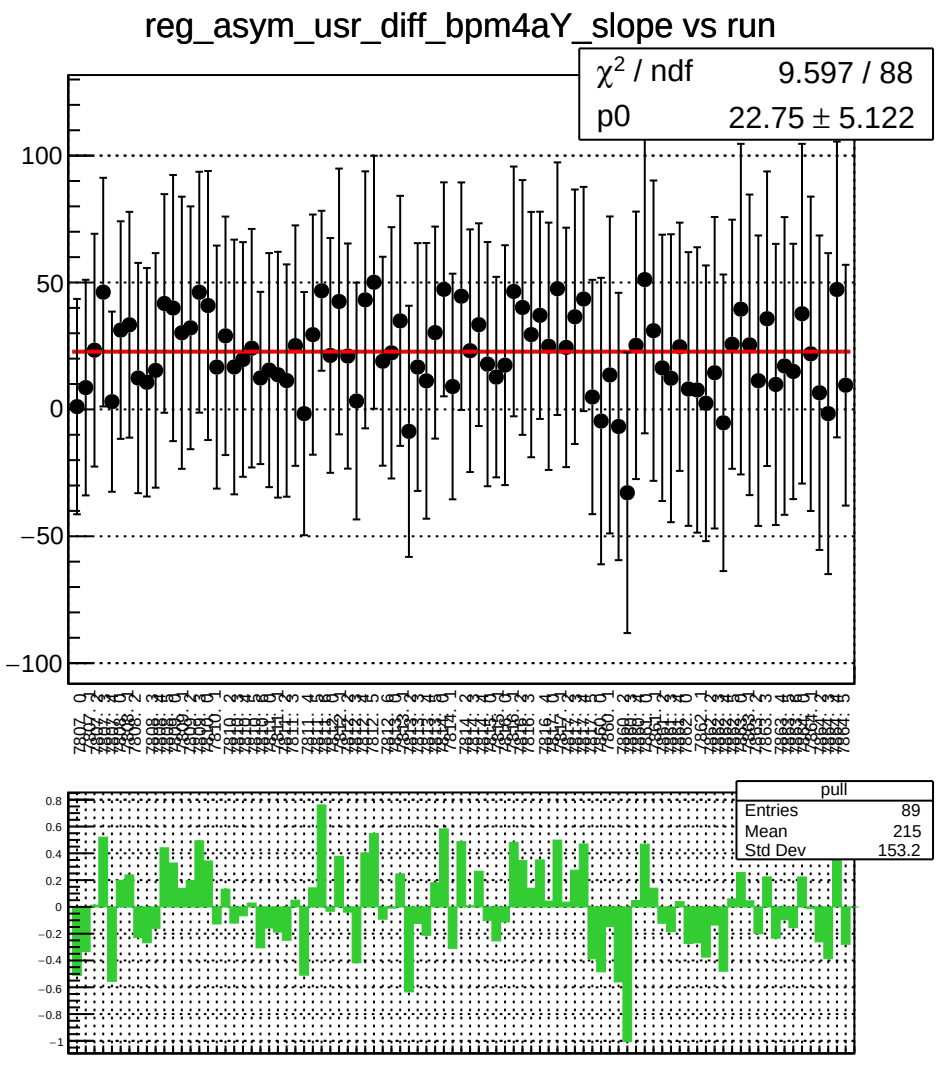

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 41.16 / 88
p0 9.964 ± 2.914
pull
Entries 89
Mean 250.3
Std Dev 201.9

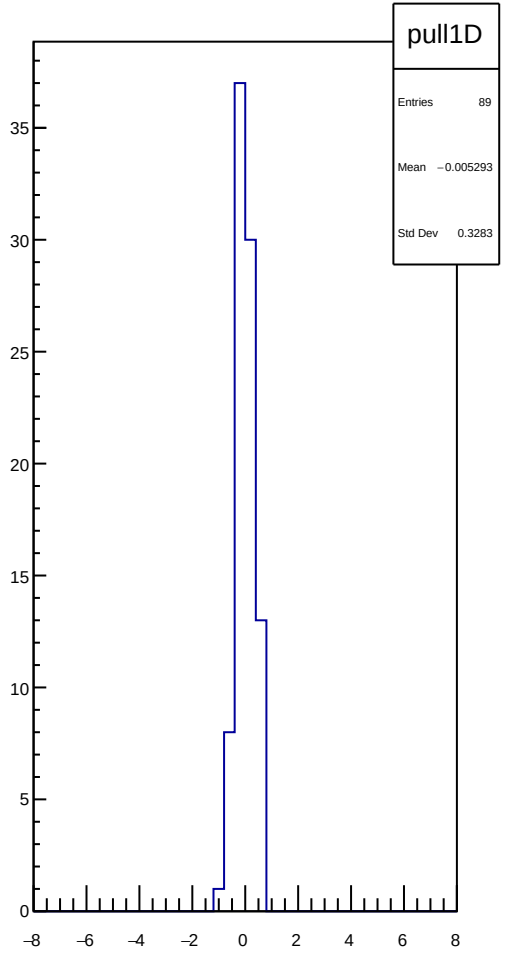

pull1D
Entries 89
Mean 0.01863
Std Dev 0.6798

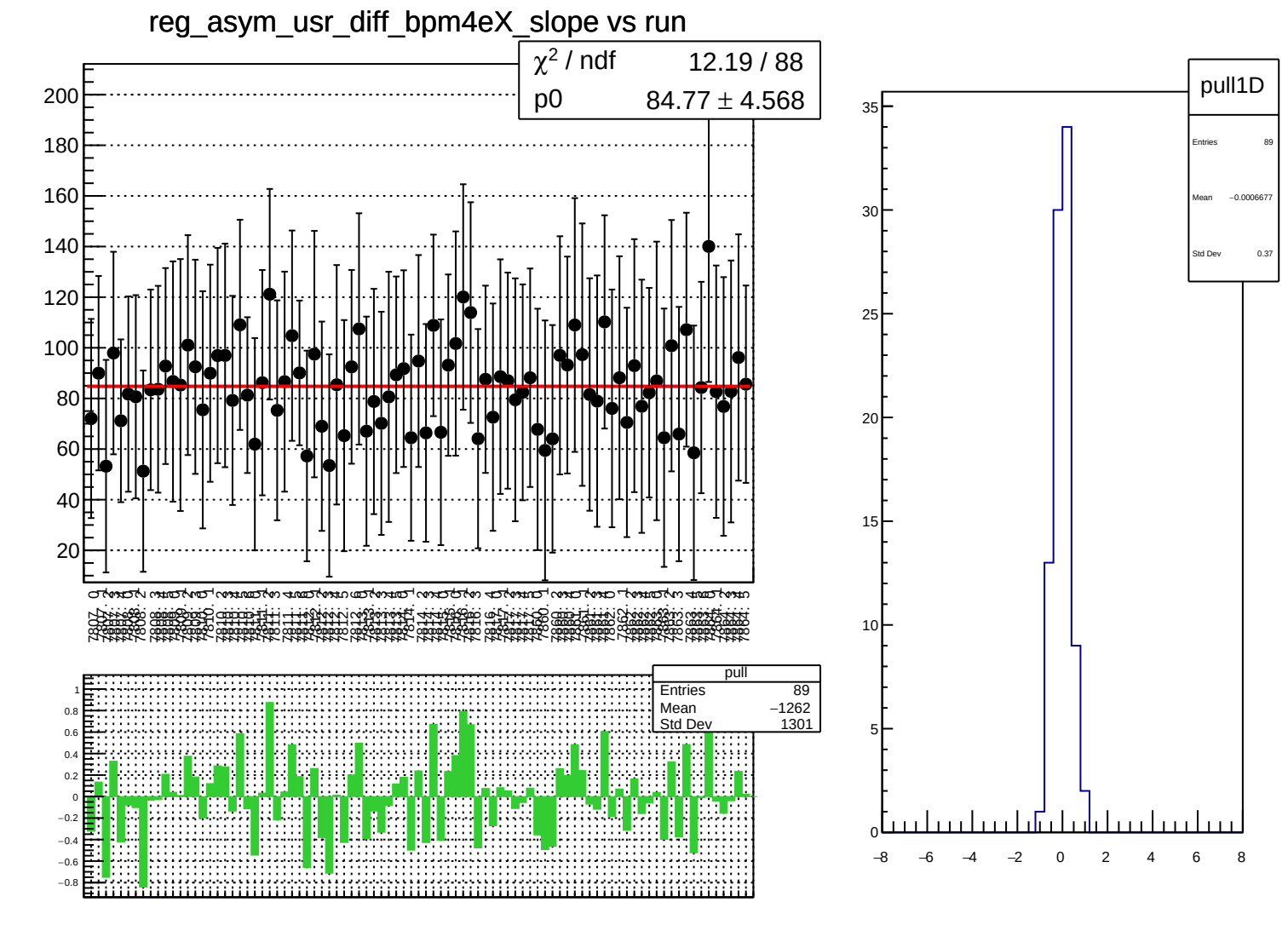

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 130.4 / 88
p0 −42.52 ± 0.08443
pull
Entries 89
Mean 385.8
Std Dev 337.1

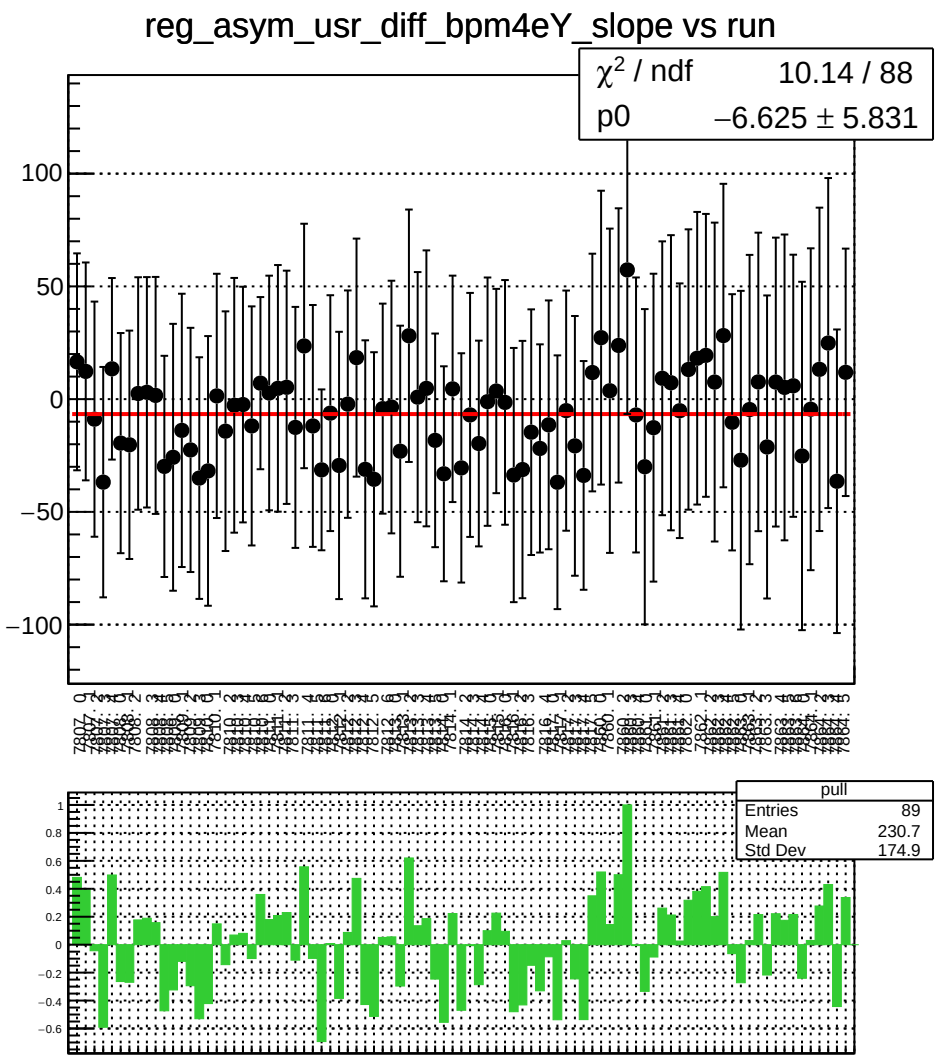

pull1D
Entries 89
Mean −0.06632
Std Dev 1.209

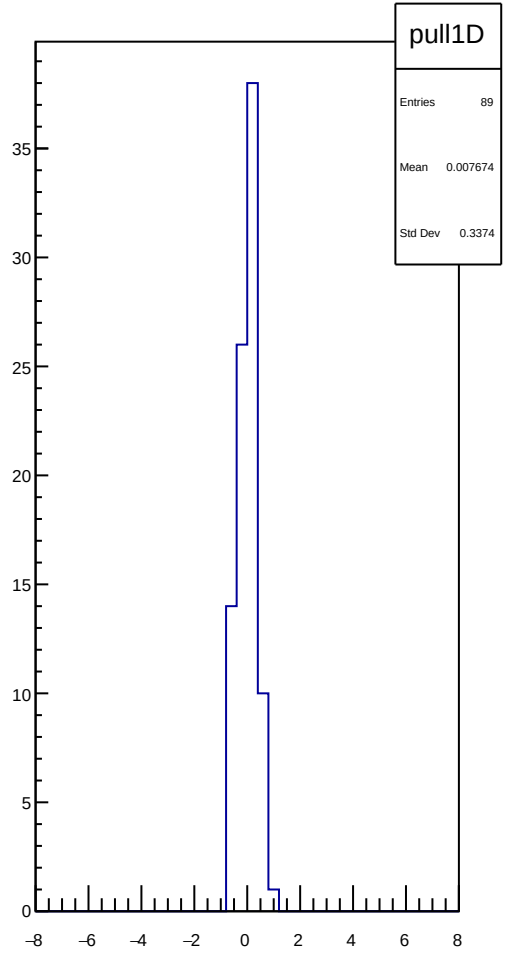

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 12.14 / 88
p0 −23.99 ± 5.046
50
0
−50
−100
−150
pull
Entries 89
Mean −301.8
Std Dev 339.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 89
Mean 0.002114
Std Dev 0.3694
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

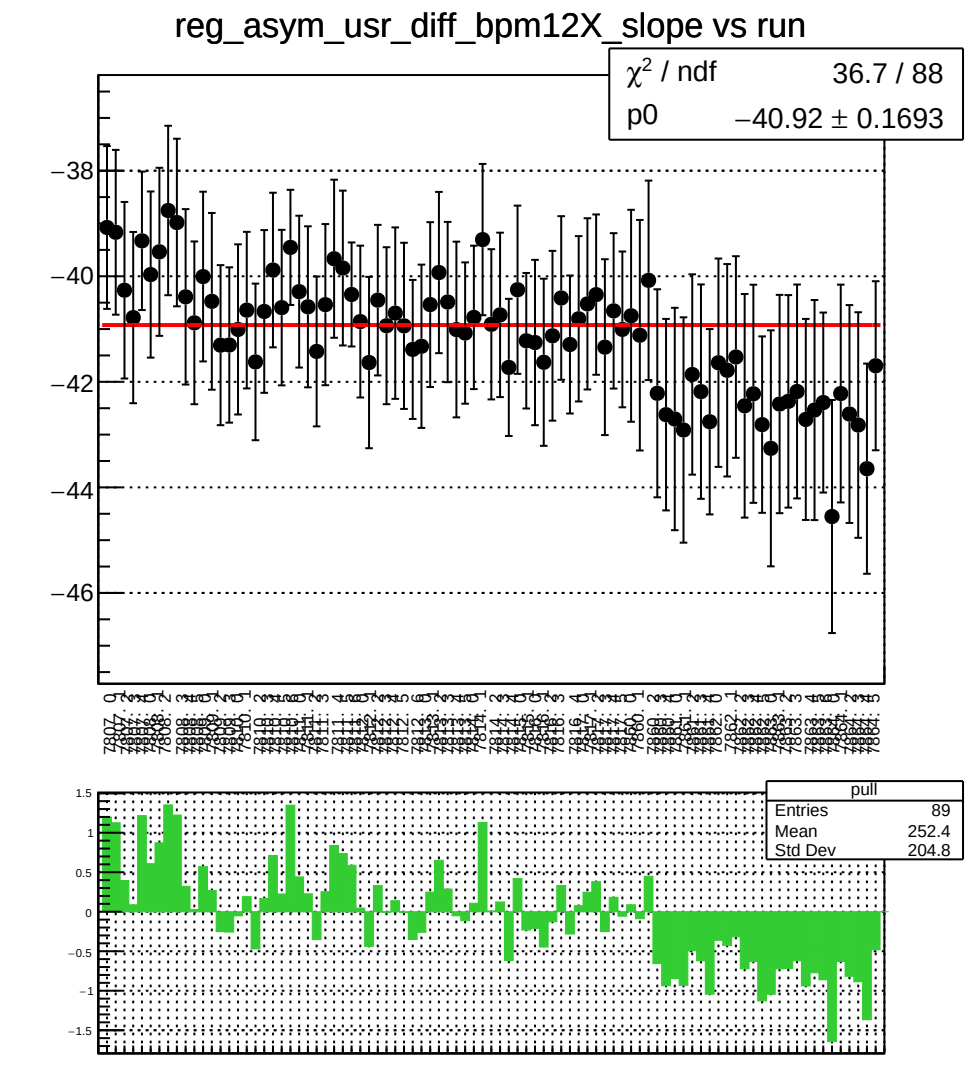

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 9.597 / 88
p0 22.75 ± 5.122
100
50
0
−50
−100
pull
Entries 89
Mean 215
Std Dev 153.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

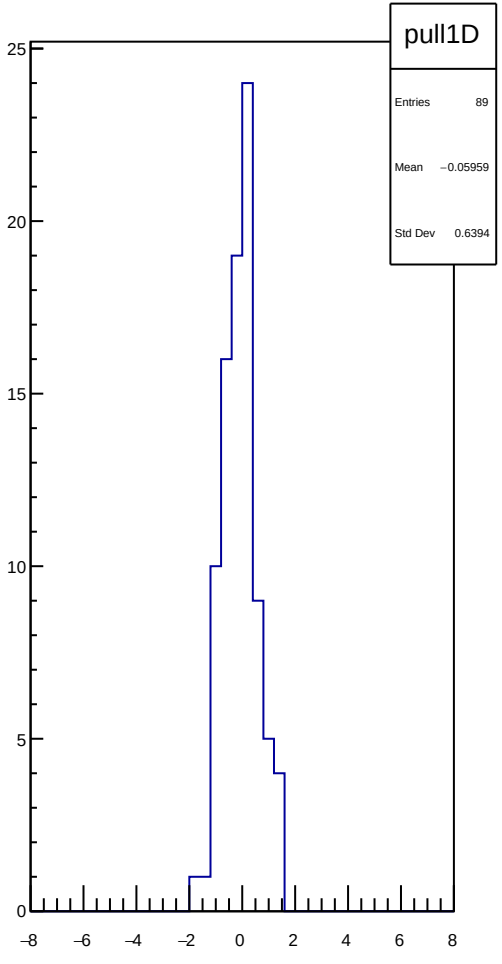

pull1D
Entries 89
Mean −0.005293
Std Dev 0.3283
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

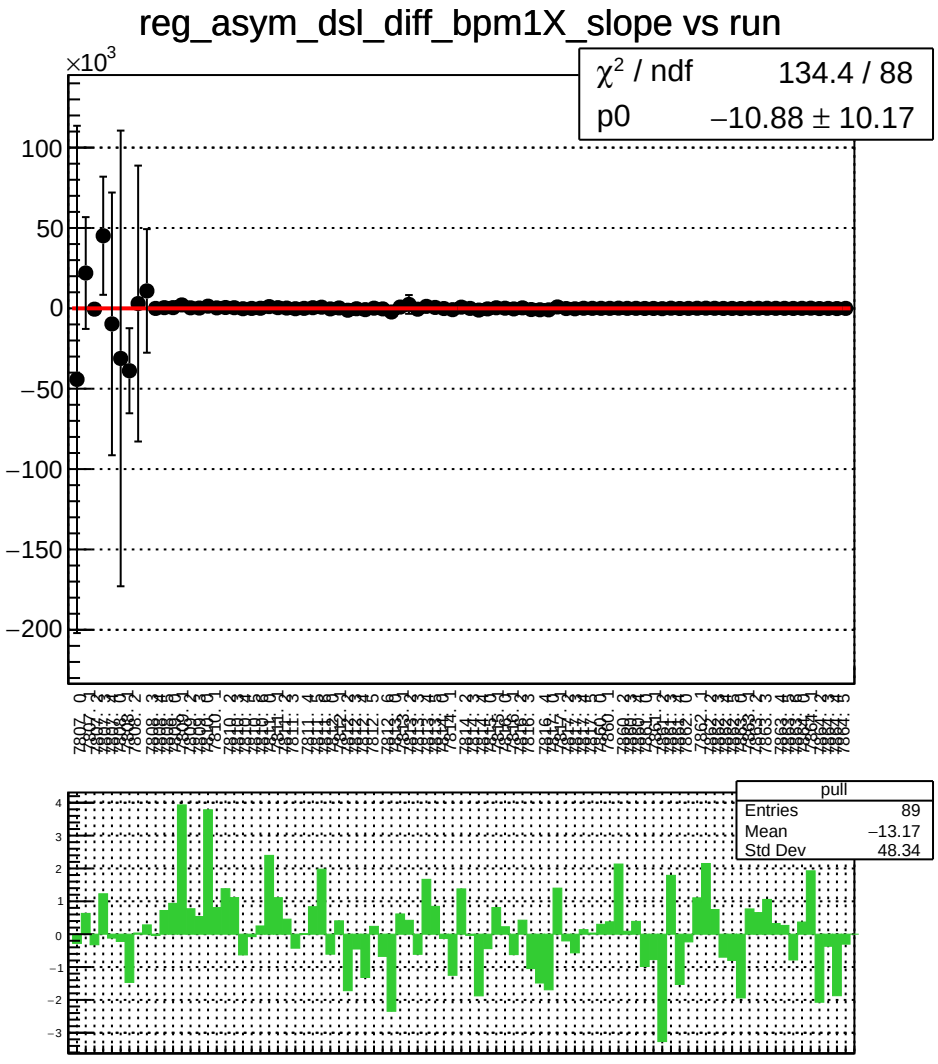

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 12.19 / 88
p0 84.77 ± 4.568
pull
Entries 89
Mean −1262
Std Dev 1301
pull1D
Entries 89
Mean −0.0006677
Std Dev 0.37

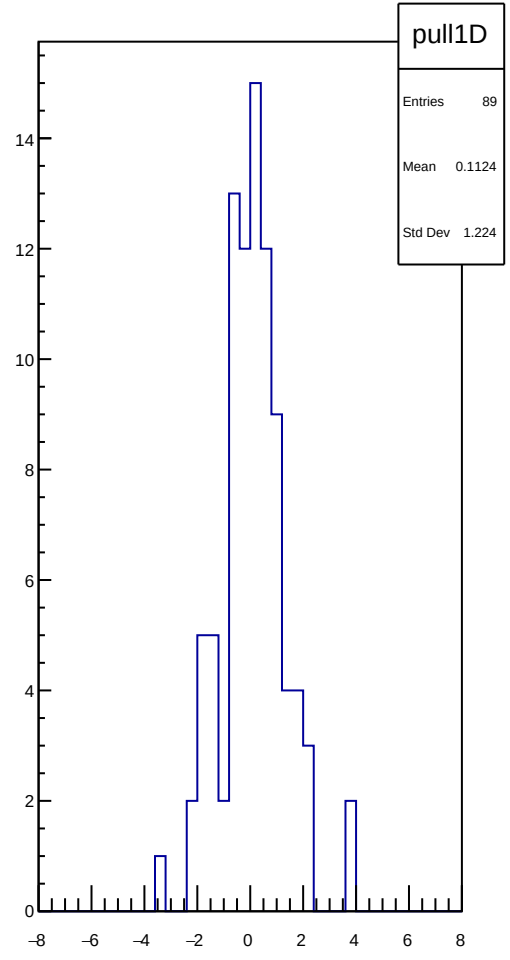

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 10.14 / 88
p0 −6.625 ± 5.831
100
50
0
−50
−100
pull
Entries 89
Mean 230.7
Std Dev 174.9
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

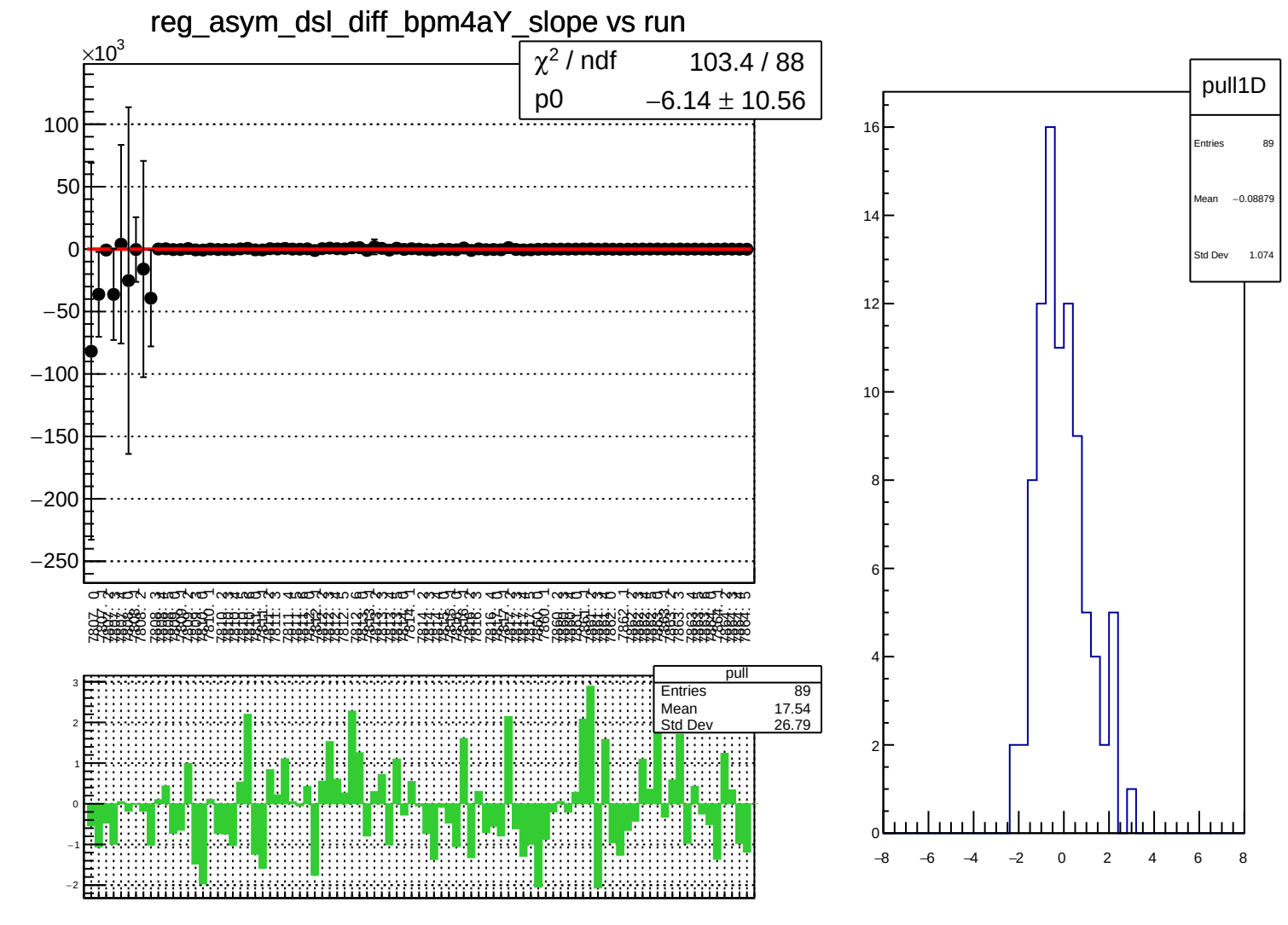

pull1D
Entries 89
Mean 0.007674
Std Dev 0.3374
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

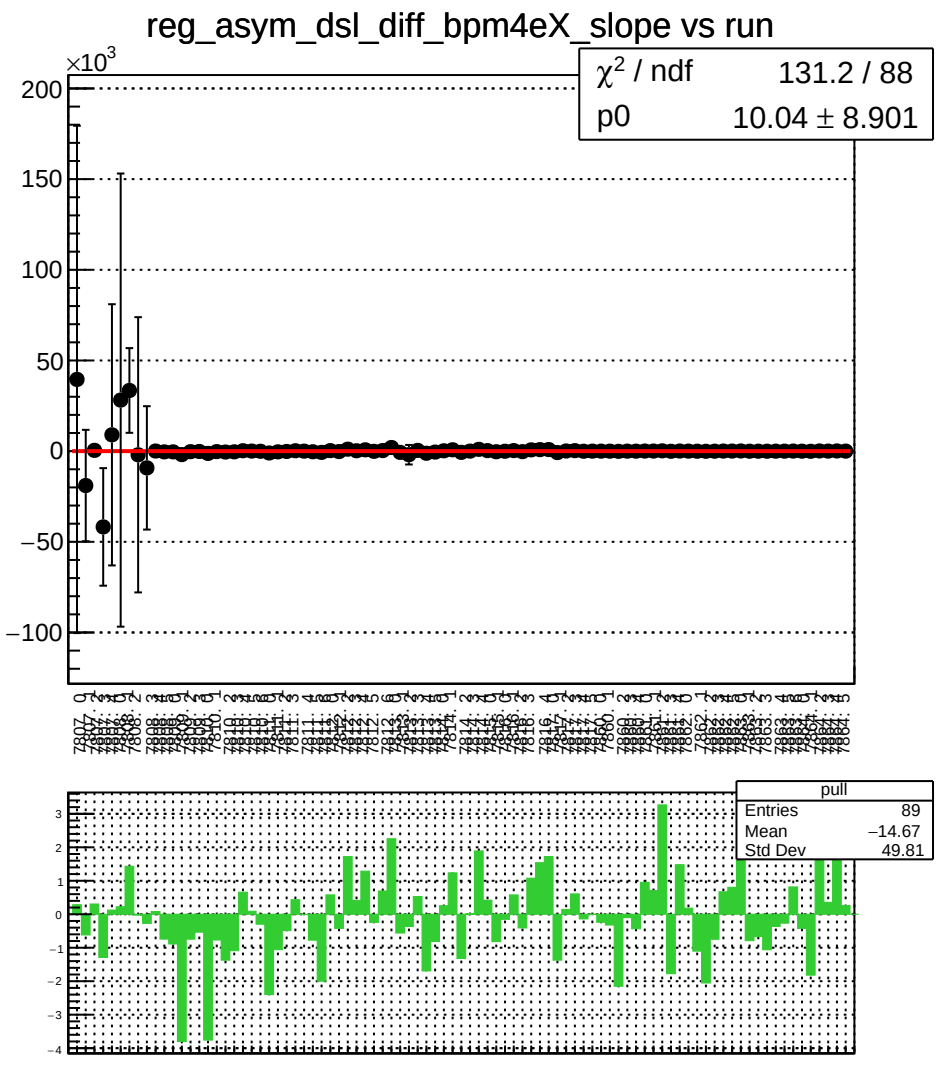

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 36.7 / 88
p0 −40.92 ± 0.1693
−38
−40
−42
−44
−46
pull
Entries 89
Mean 252.4
Std Dev 204.8
1.5
1
0.5
0
−0.5
−1
−1.5

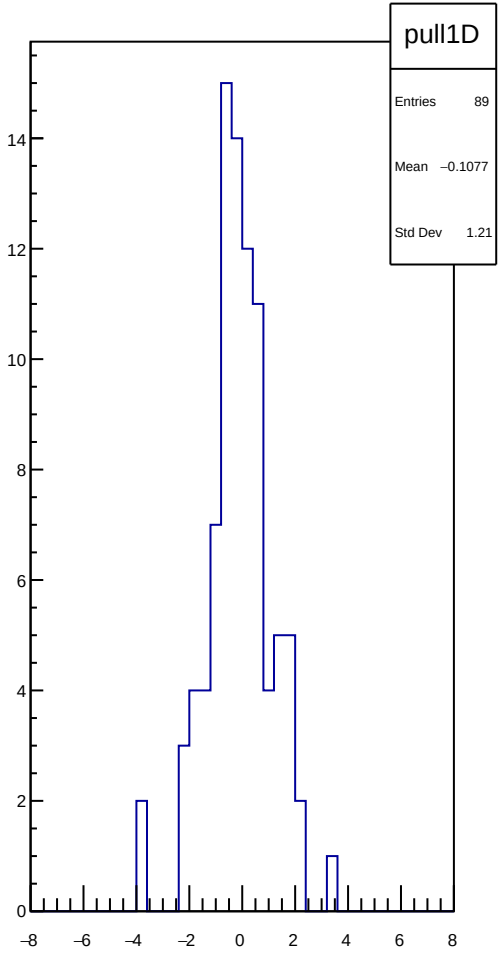

pull1D
Entries 89
Mean −0.05959
Std Dev 0.6394
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

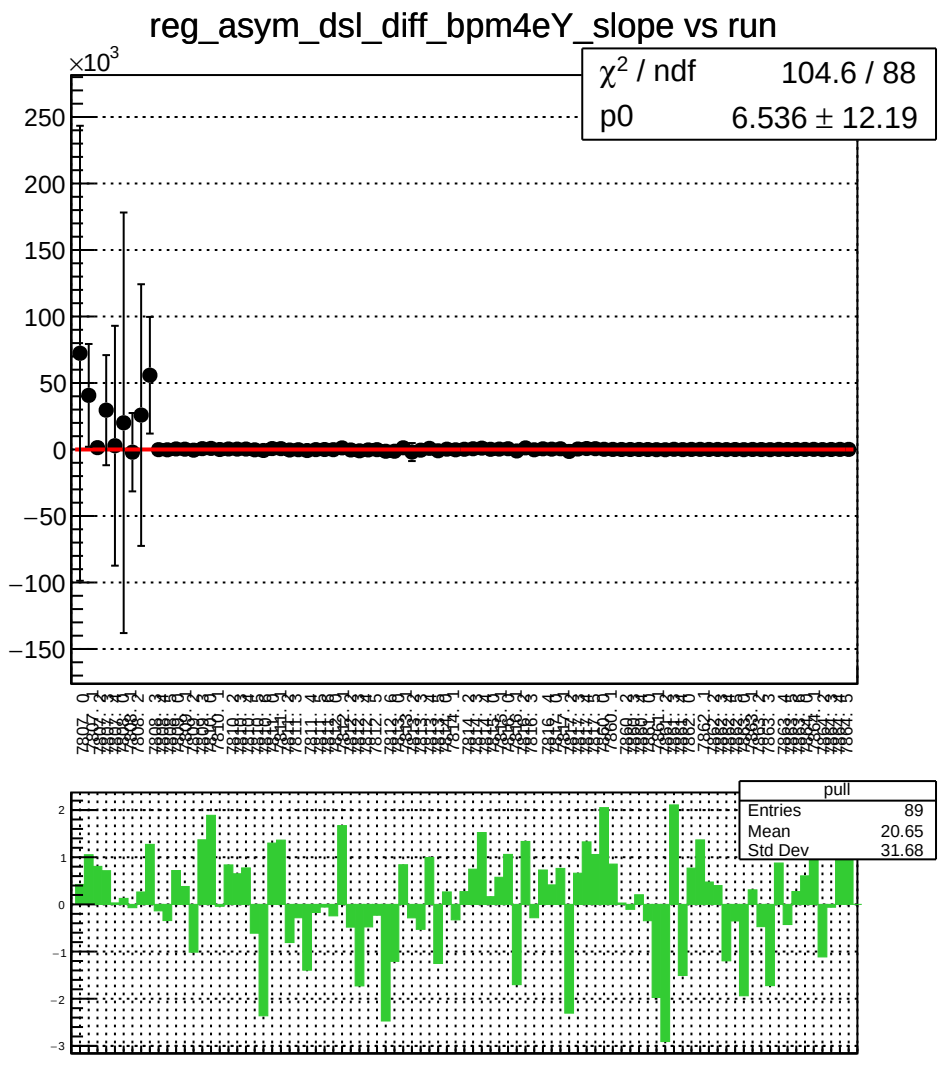

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 134.4 / 88
p0 −10.88 ± 10.17
×10³
pull
Entries 89
Mean −13.17
Std Dev 48.34

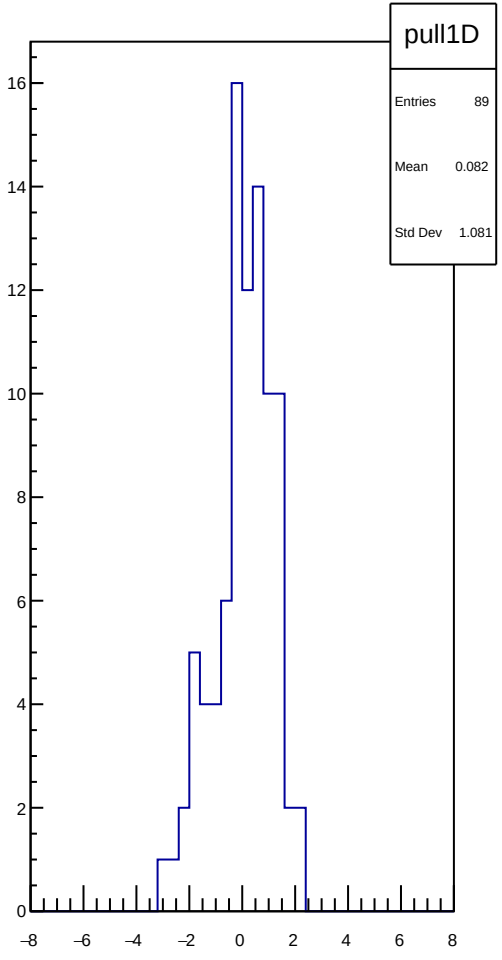

pull1D
Entries 89
Mean 0.1124
Std Dev 1.224

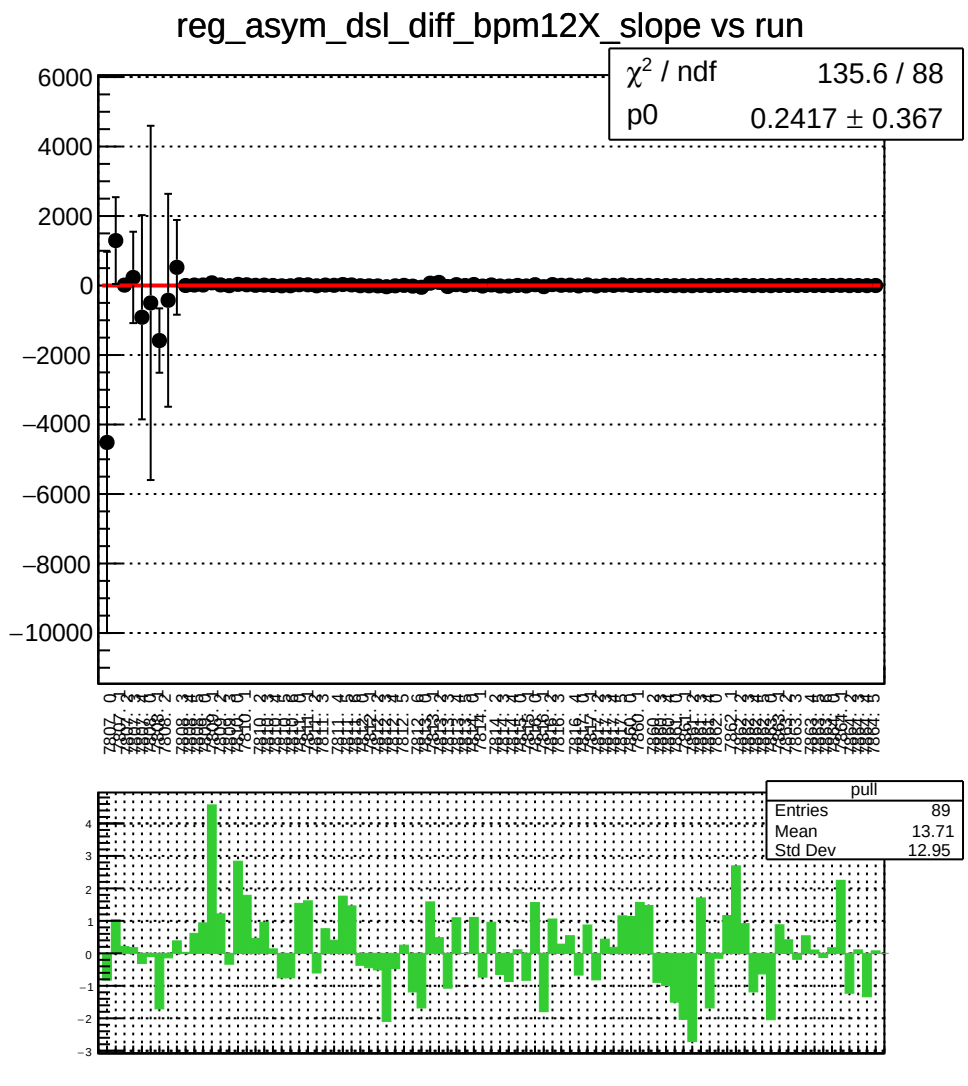

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 103.4 / 88
p0 −6.14 ± 10.56
×10^3
100
50
0
−50
−100
−150
−200
−250
pull
Entries 89
Mean 17.54
Std Dev 26.79
3
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.08879
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

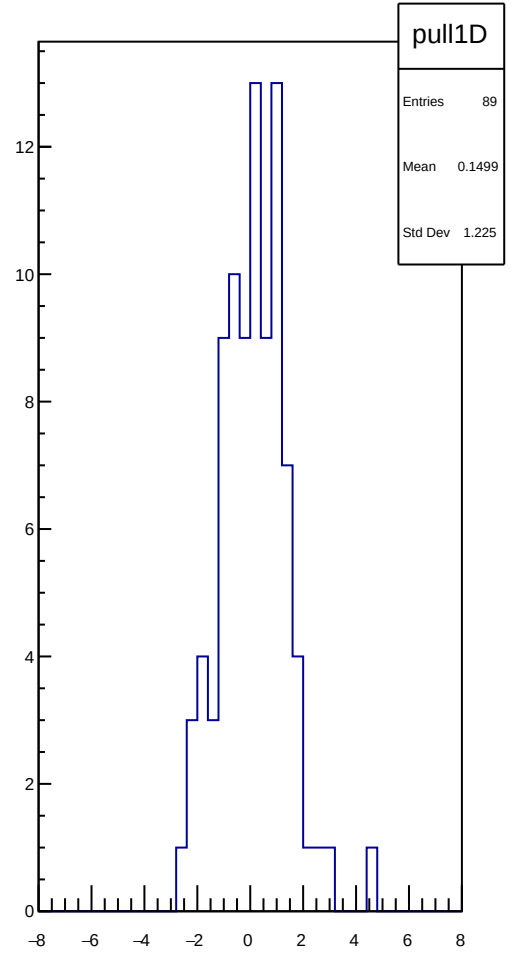

reg_asym_dsl_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 131.2 / 88
p0 10.04 ± 8.901
pull
Entries 89
Mean −14.67
Std Dev 49.81

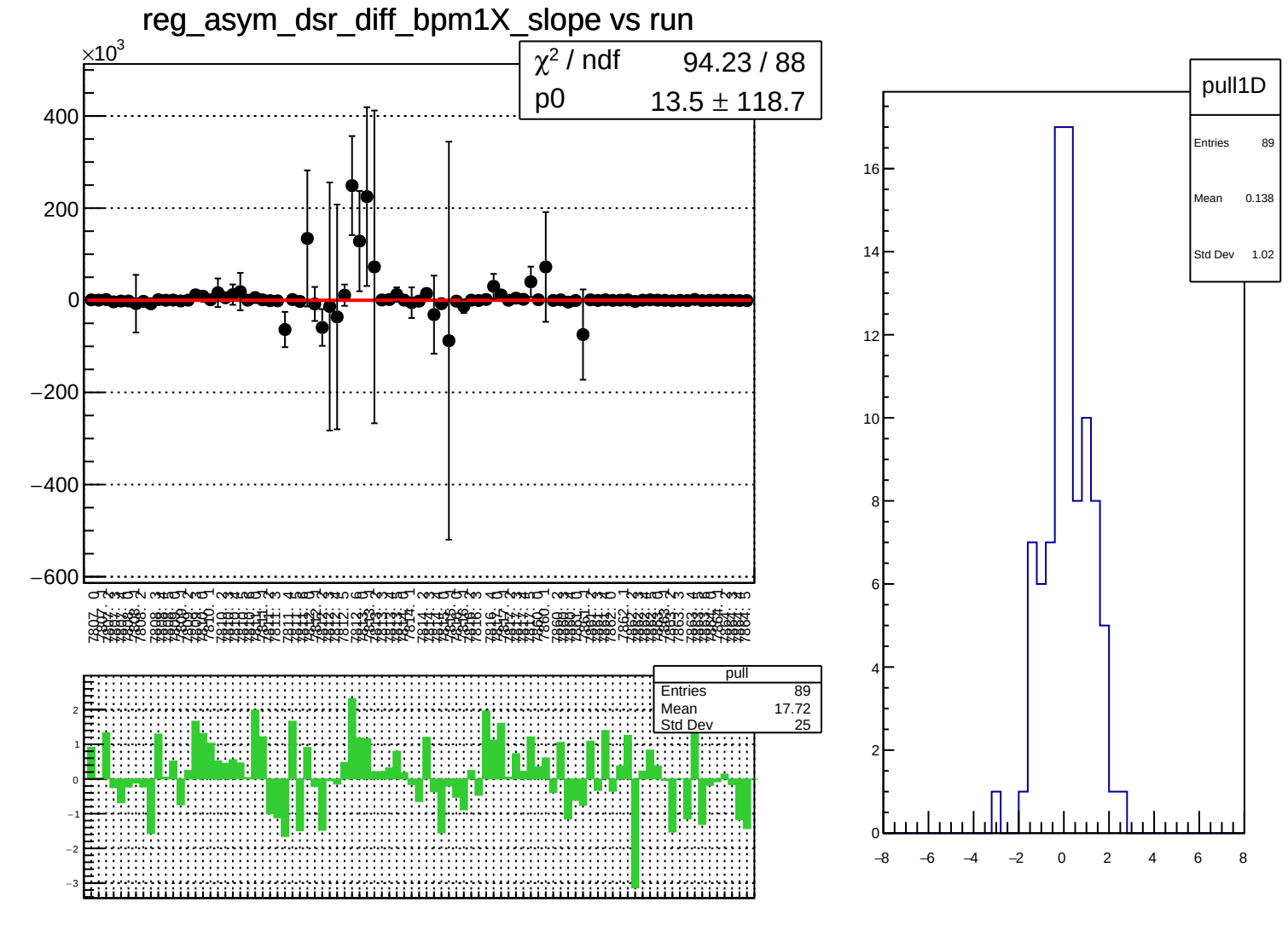

pull1D
Entries 89
Mean −0.1077
Std Dev 1.21

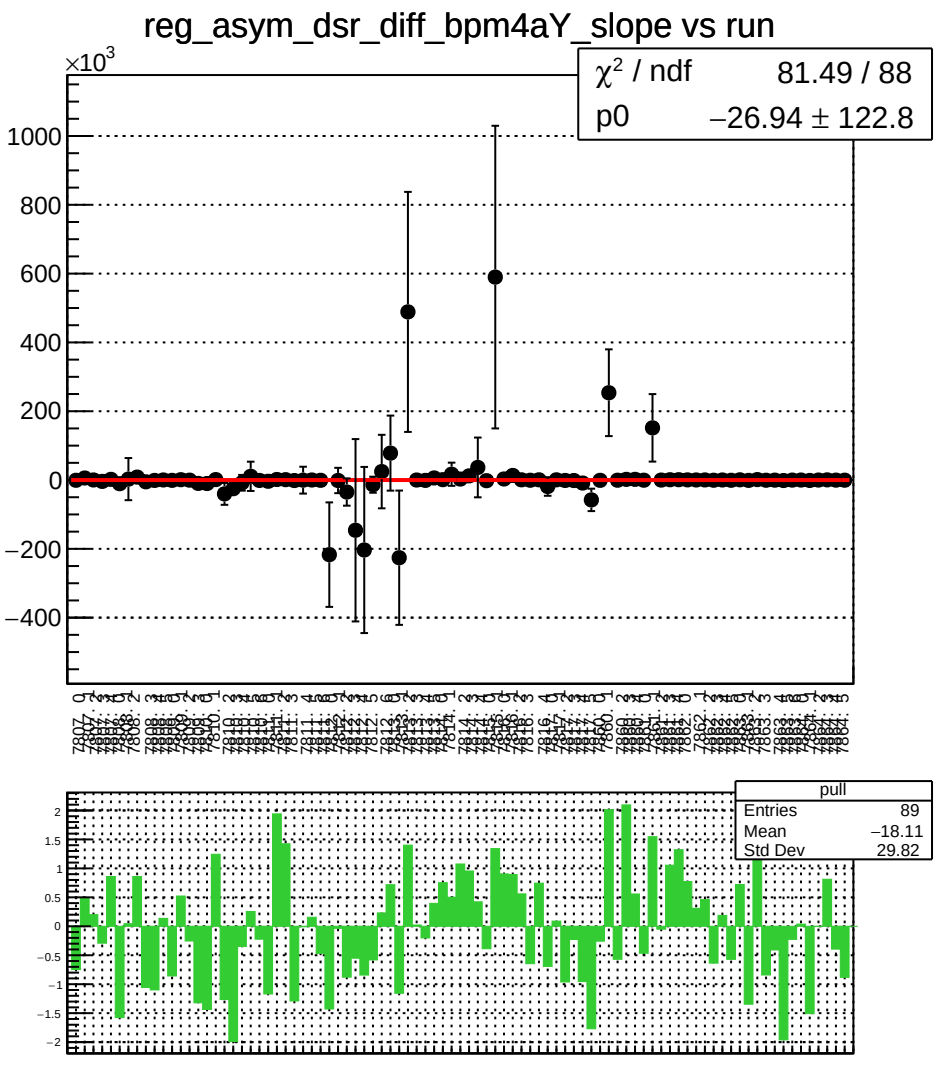

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 104.6 / 88
p0 6.536 ± 12.19
×10³
pull
Entries 89
Mean 20.65
Std Dev 31.68

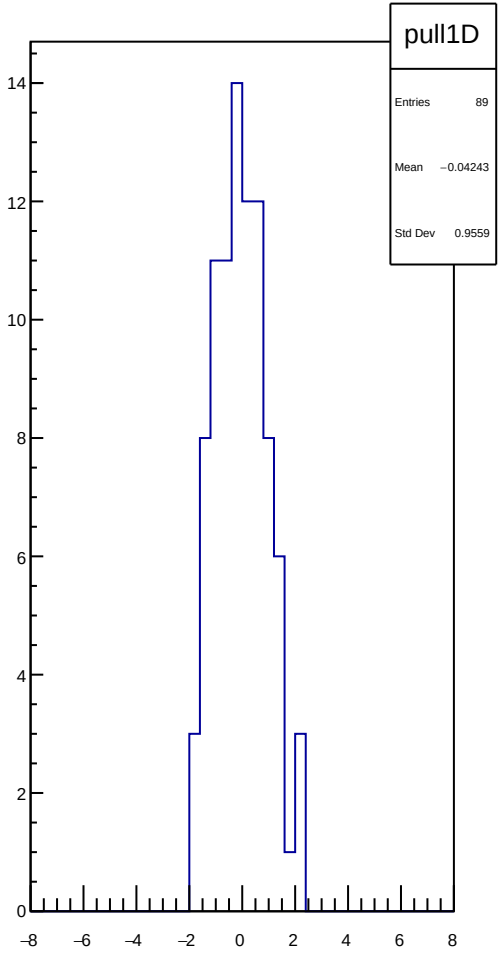

pull1D
Entries 89
Mean 0.082
Std Dev 1.081

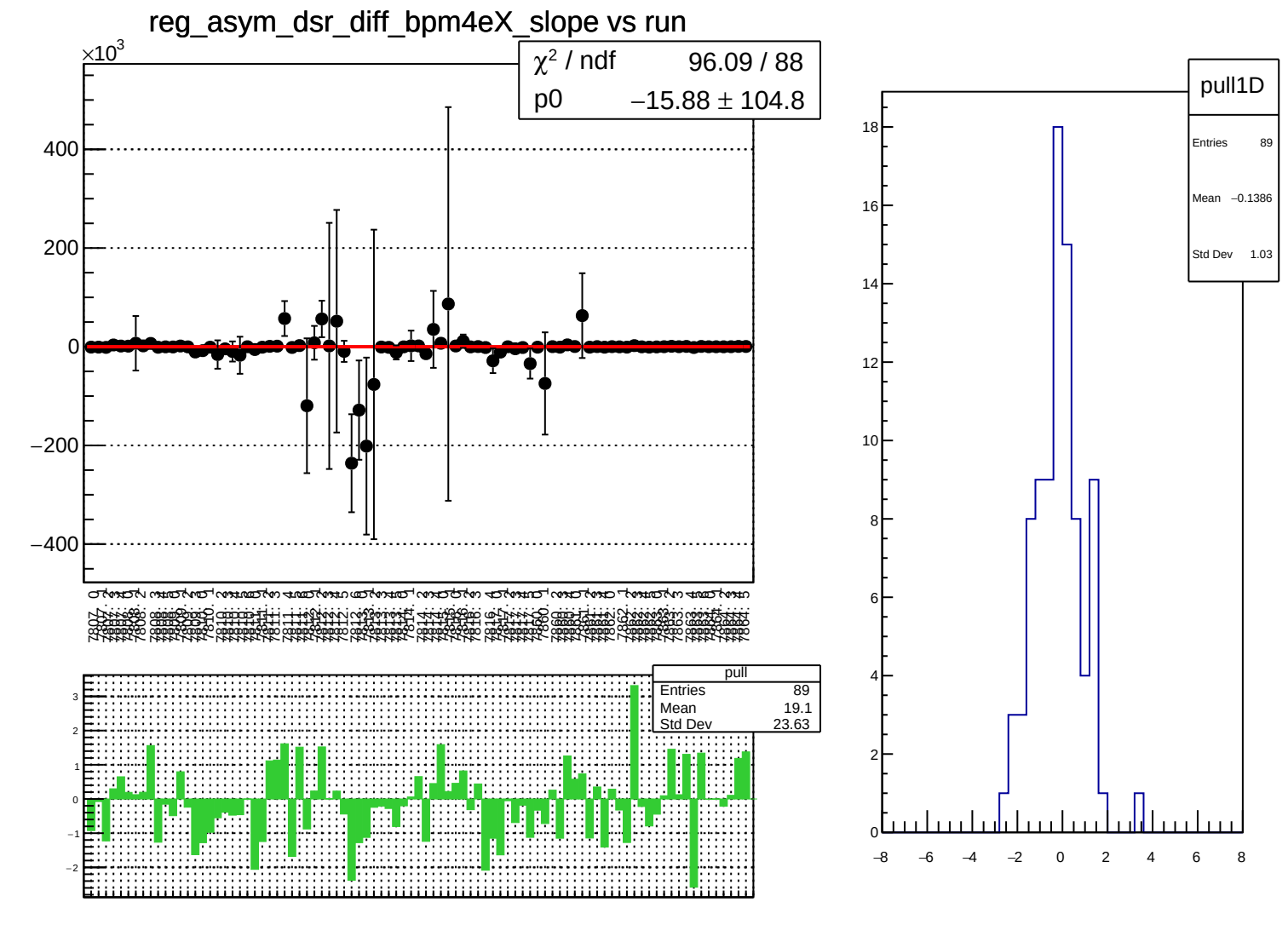

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 135.6 / 88
p0 0.2417 ± 0.367
pull
Entries 89
Mean 13.71
Std Dev 12.95

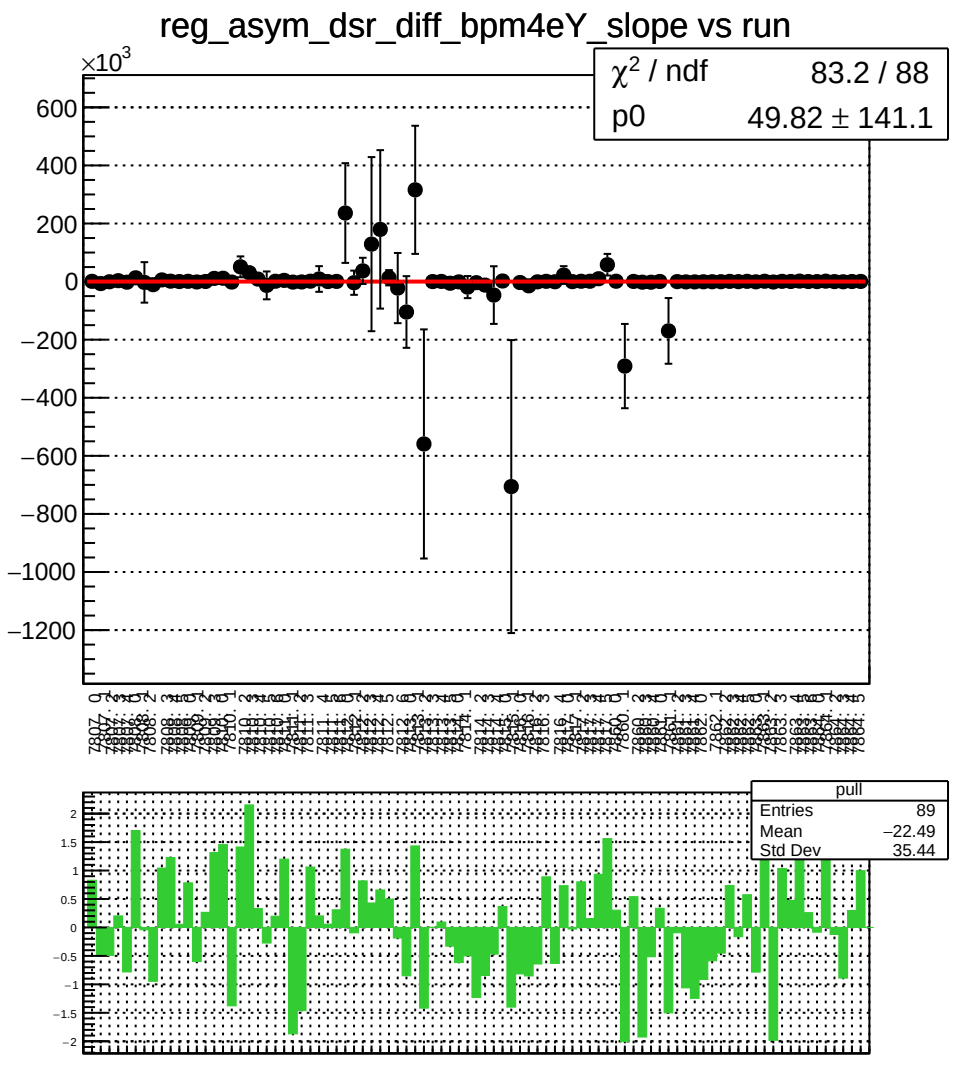

pull1D
Entries 89
Mean 0.1499
Std Dev 1.225

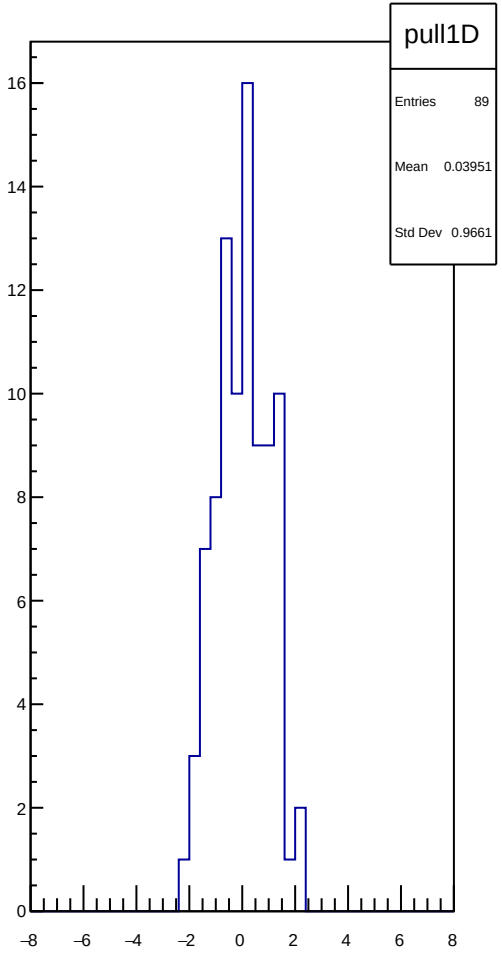

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ² / ndf 94.23 / 88
p0 13.5 ± 118.7
400
200
0
−200
−400
−600
pull
Entries 89
Mean 17.72
Std Dev 25
pull1D
Entries 89
Mean 0.138
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

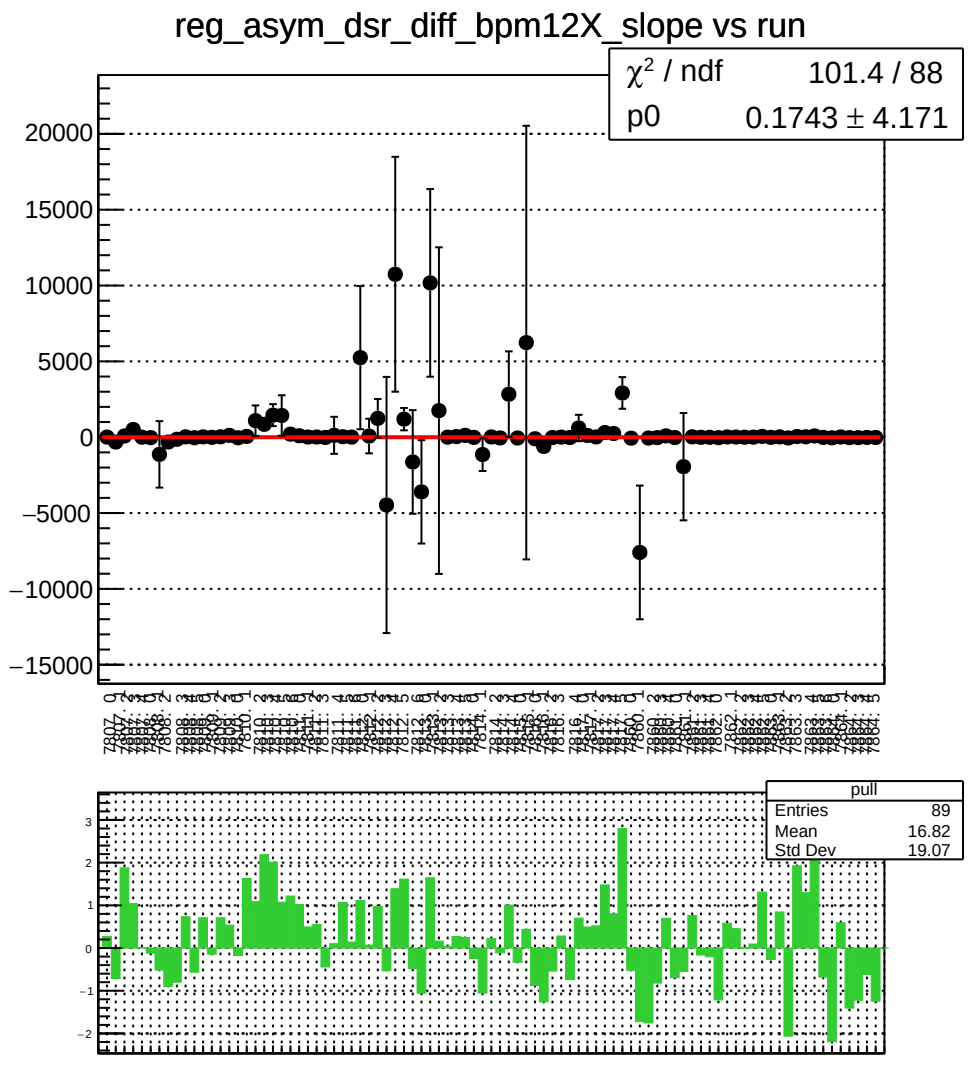

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 81.49 / 88
p0 −26.94 ± 122.8
1000
800
600
400
200
0
−200
−400
pull
Entries 89
Mean −18.11
Std Dev 29.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

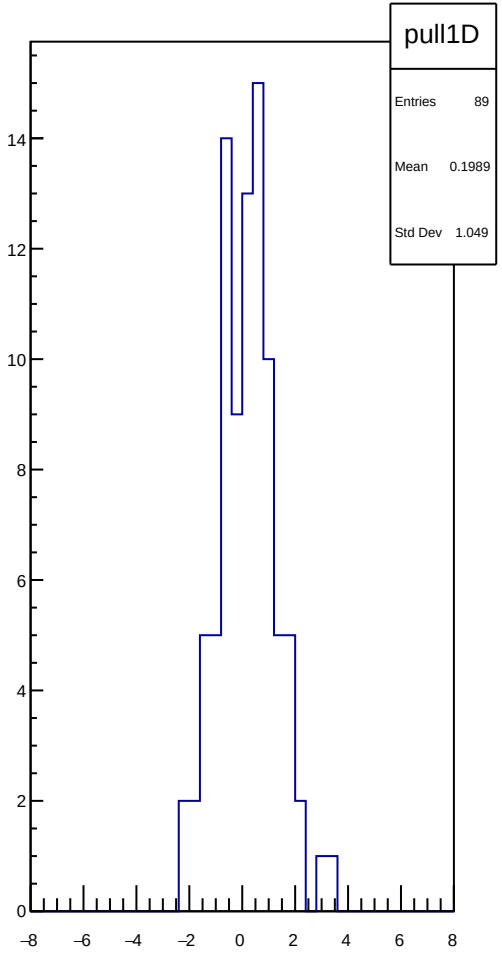

pull1D
Entries 89
Mean −0.04243
Std Dev 0.9559
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

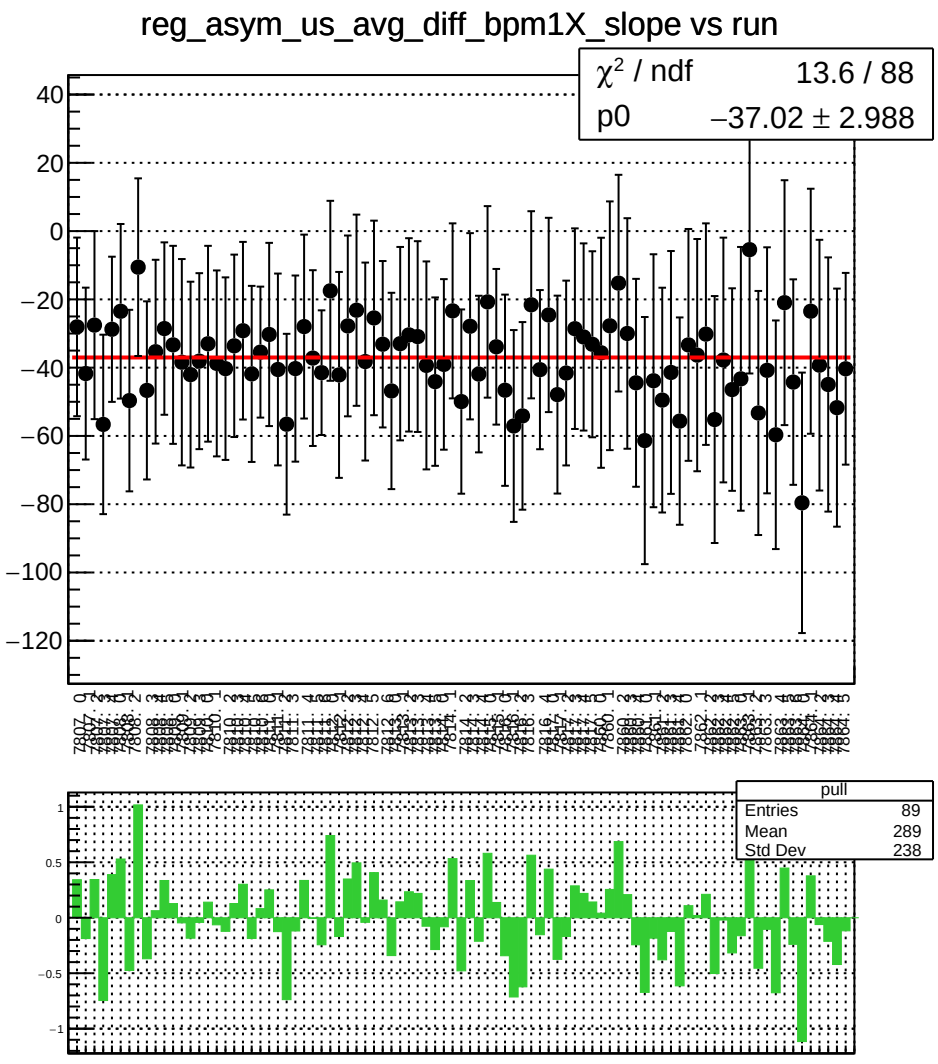

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 96.09 / 88
p0 −15.88 ± 104.8
400
200
0
−200
−400
pull
Entries 89
Mean 19.1
Std Dev 23.63
pull1D
Entries 89
Mean −0.1386
Std Dev 1.03

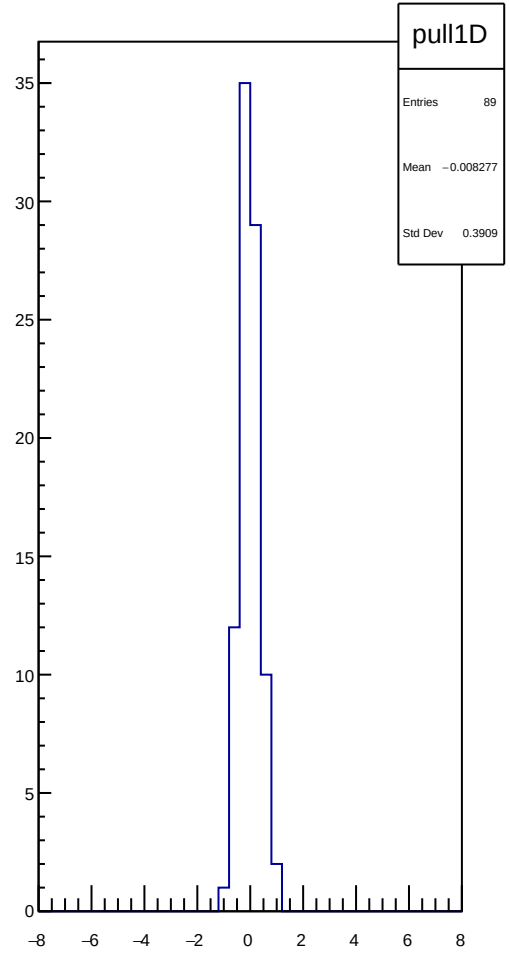

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 83.2 / 88
p0 49.82 ± 141.1
pull
Entries 89
Mean −22.49
Std Dev 35.44

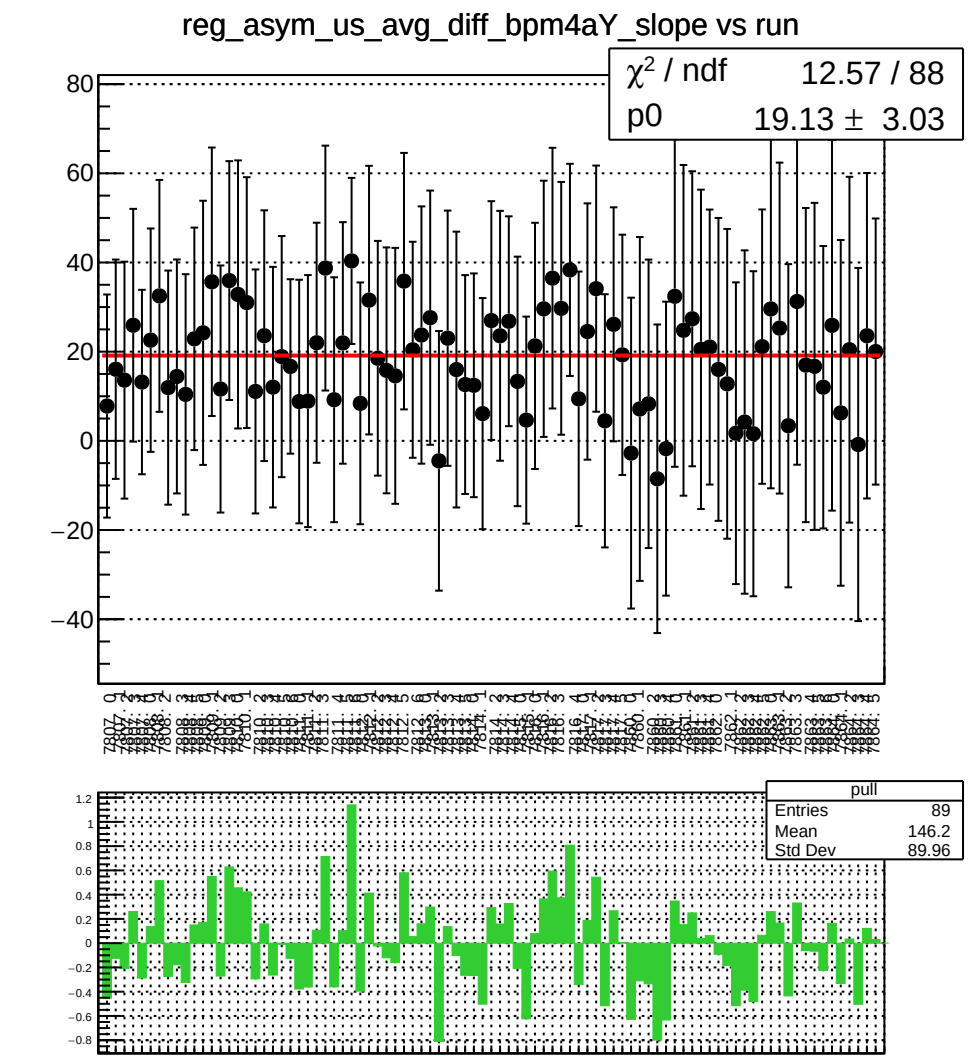

pull1D
Entries 89
Mean 0.03951
Std Dev 0.9661

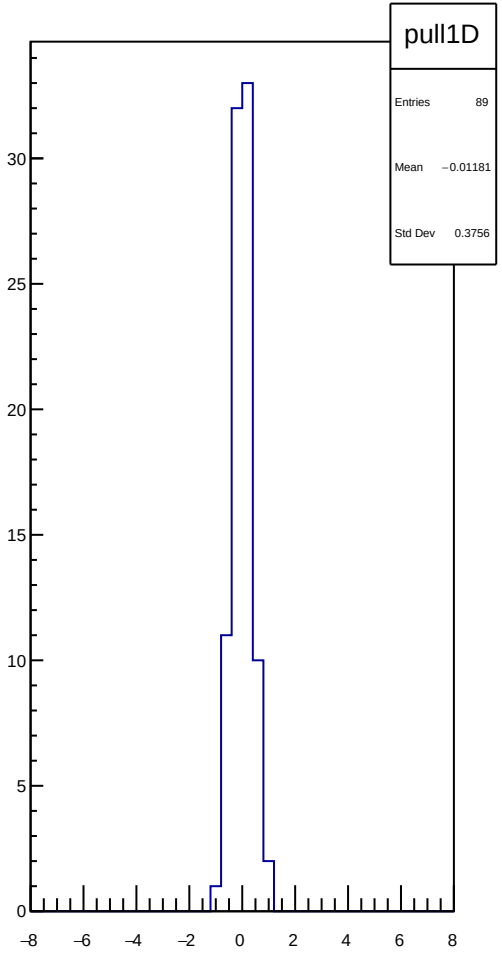

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 101.4 / 88
p0 0.1743 ± 4.171
pull
Entries 89
Mean 16.82
Std Dev 19.07

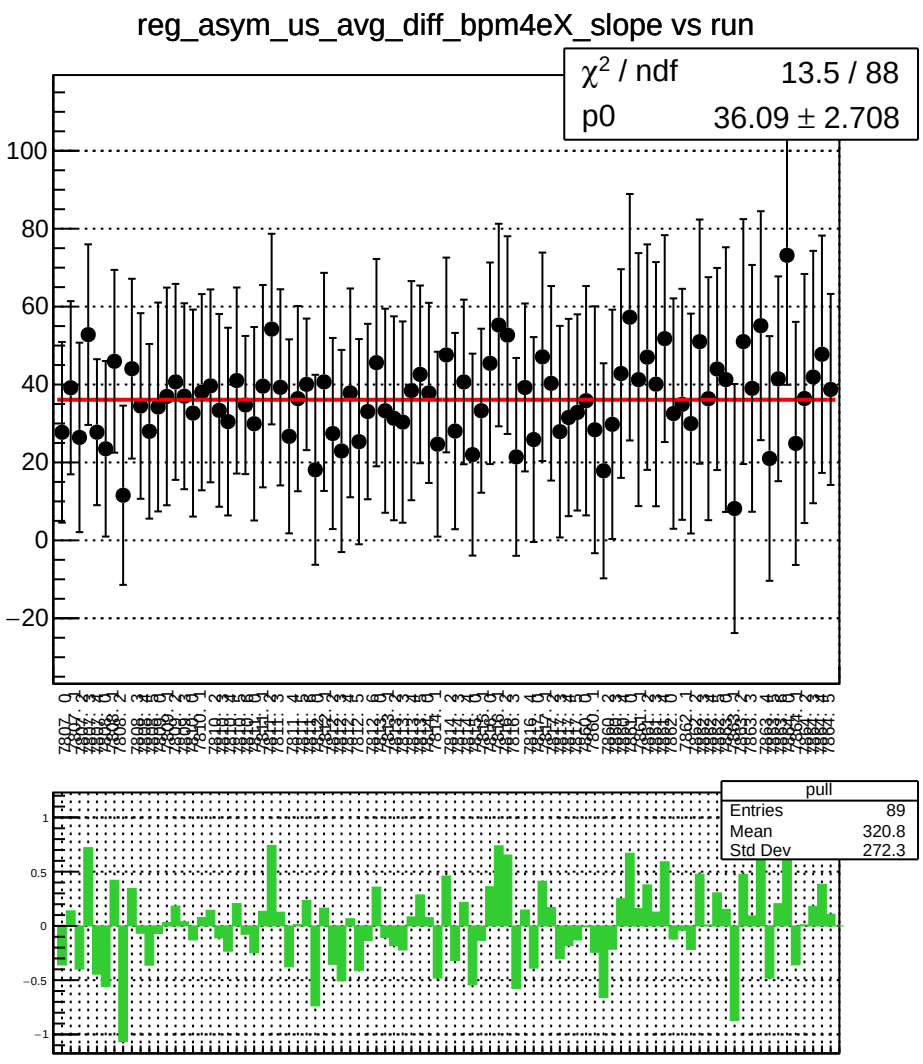

pull1D
Entries 89
Mean 0.1989
Std Dev 1.049

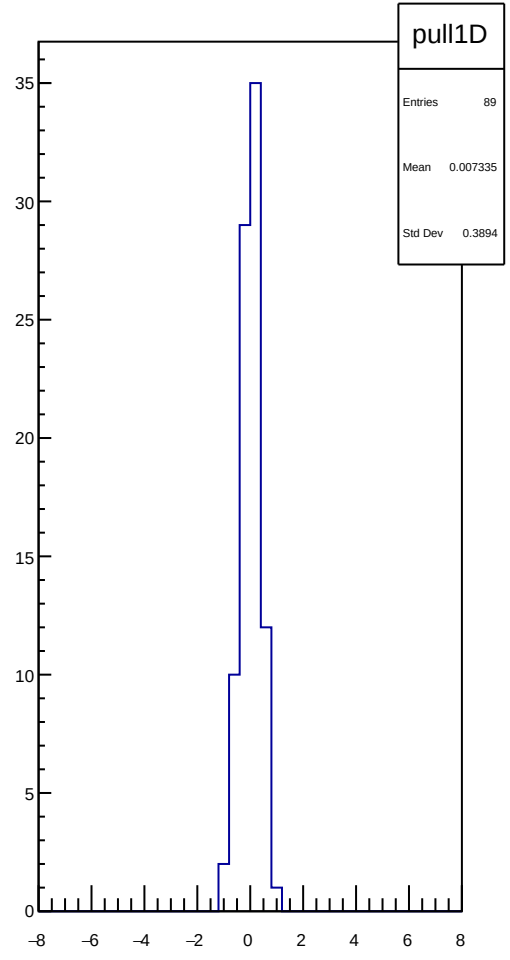

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 13.6 / 88
p0 −37.02 ± 2.988
pull
Entries 89
Mean 289
Std Dev 238

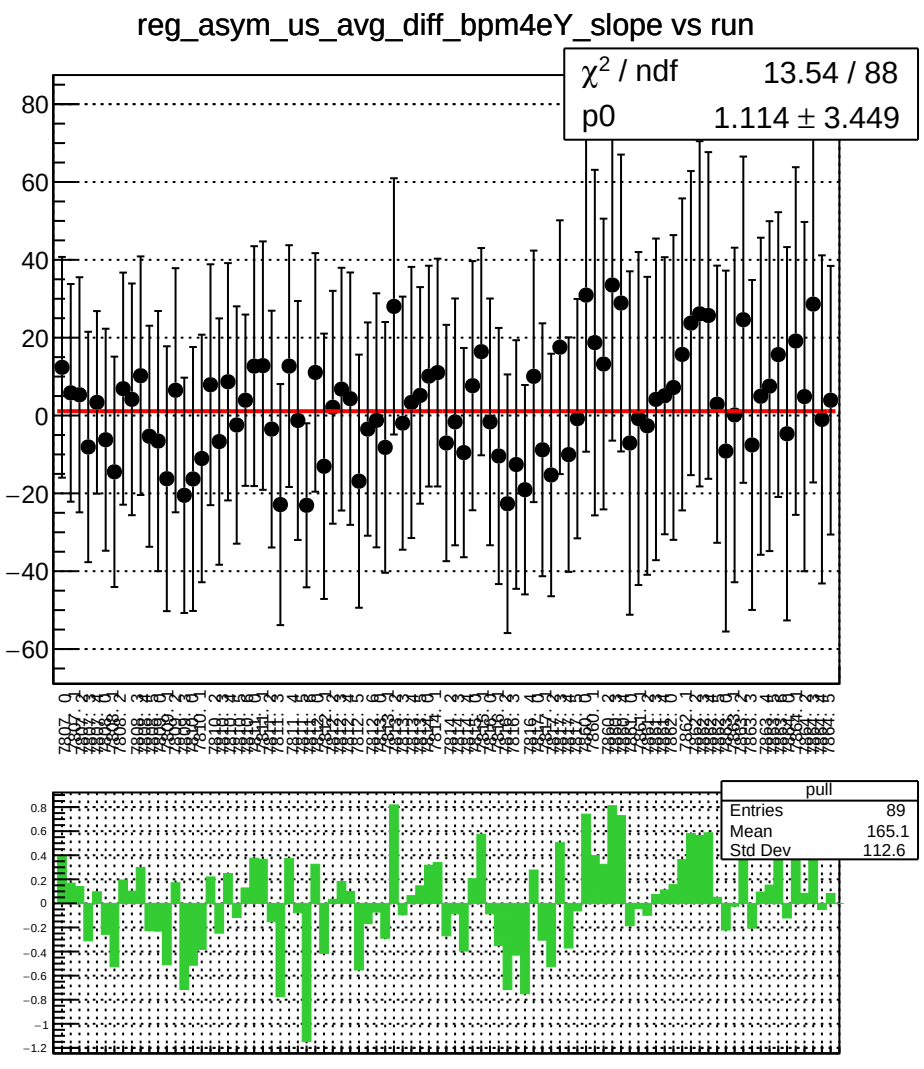

pull1D
Entries 89
Mean −0.008277
Std Dev 0.3909

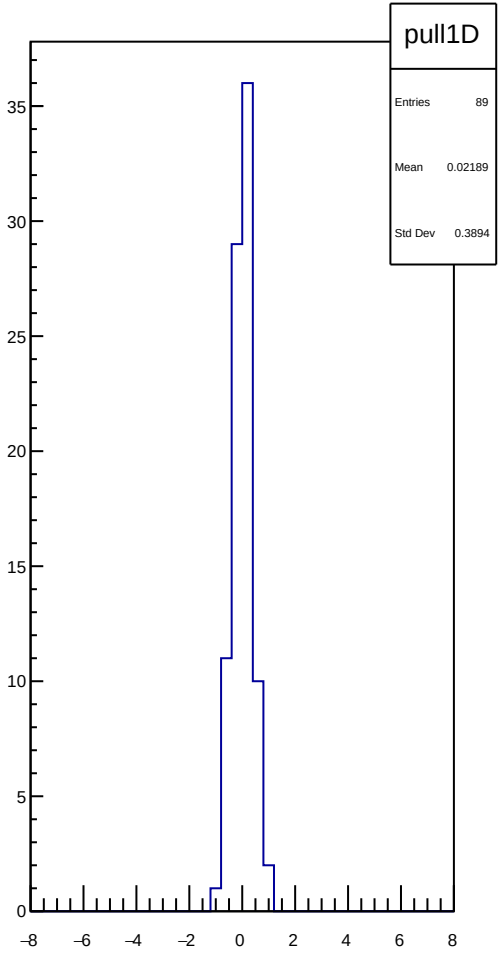

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.57 / 88
p0 19.13 ± 3.03
pull
Entries 89
Mean 146.2
Std Dev 89.96

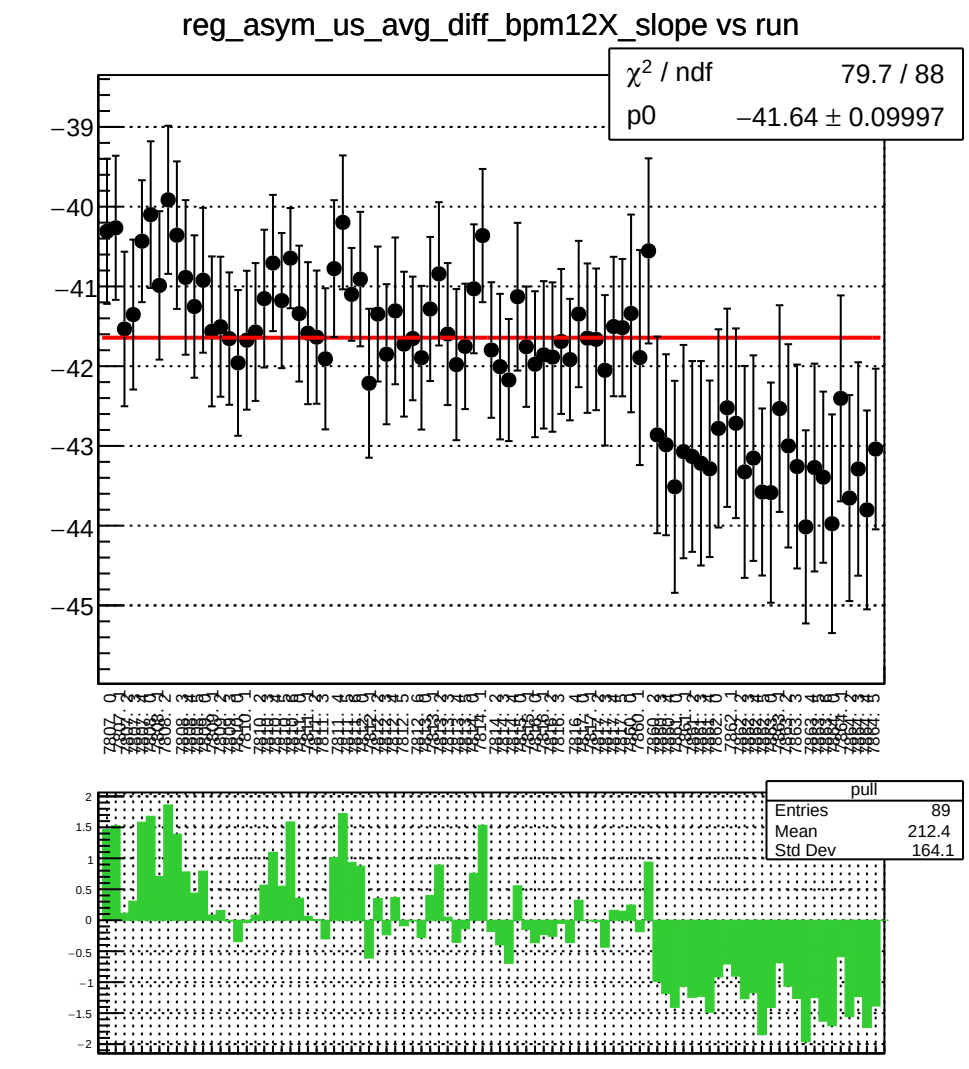

pull1D
Entries 89
Mean −0.01181
Std Dev 0.3756

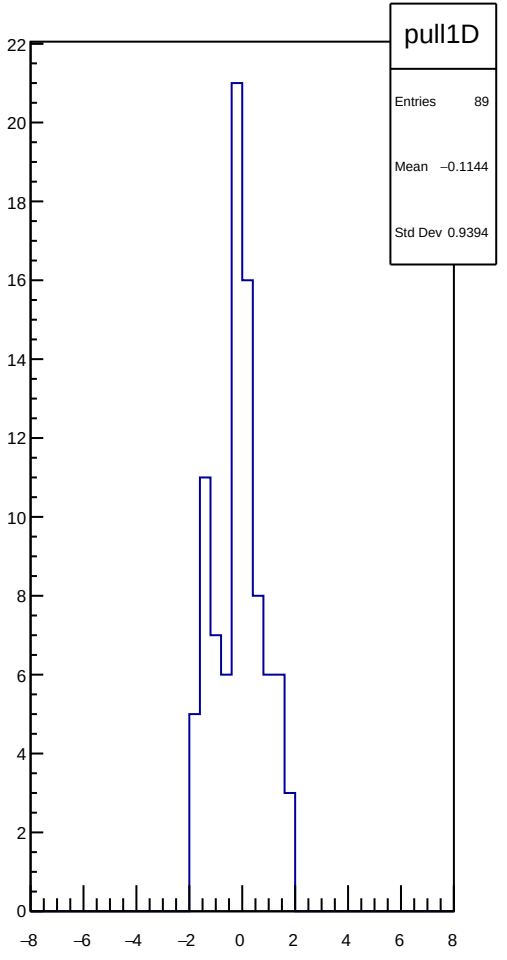

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.5 / 88
p0 36.09 ± 2.708
pull
Entries 89
Mean 320.8
Std Dev 272.3

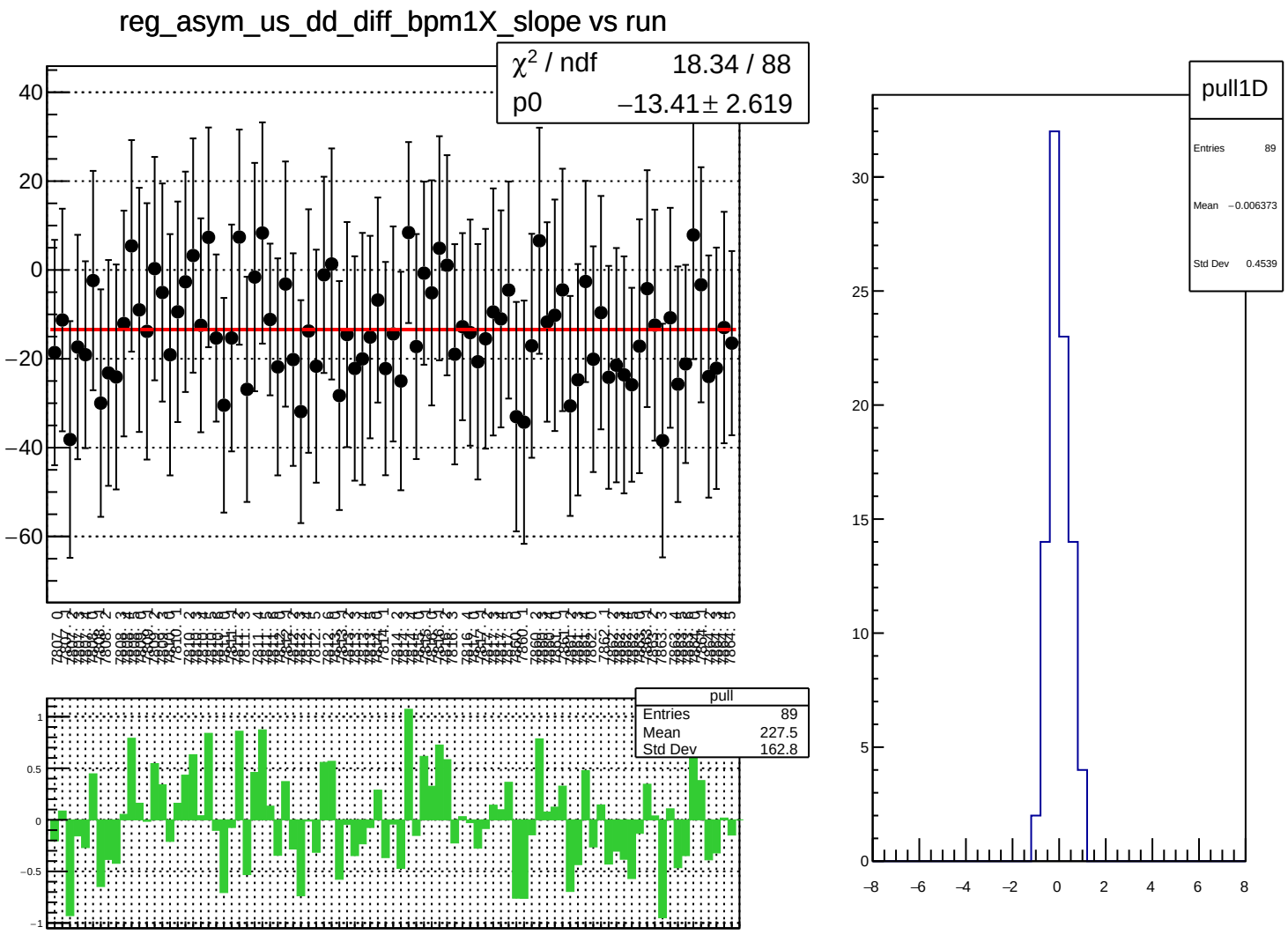

pull1D
Entries 89
Mean 0.007335
Std Dev 0.3894

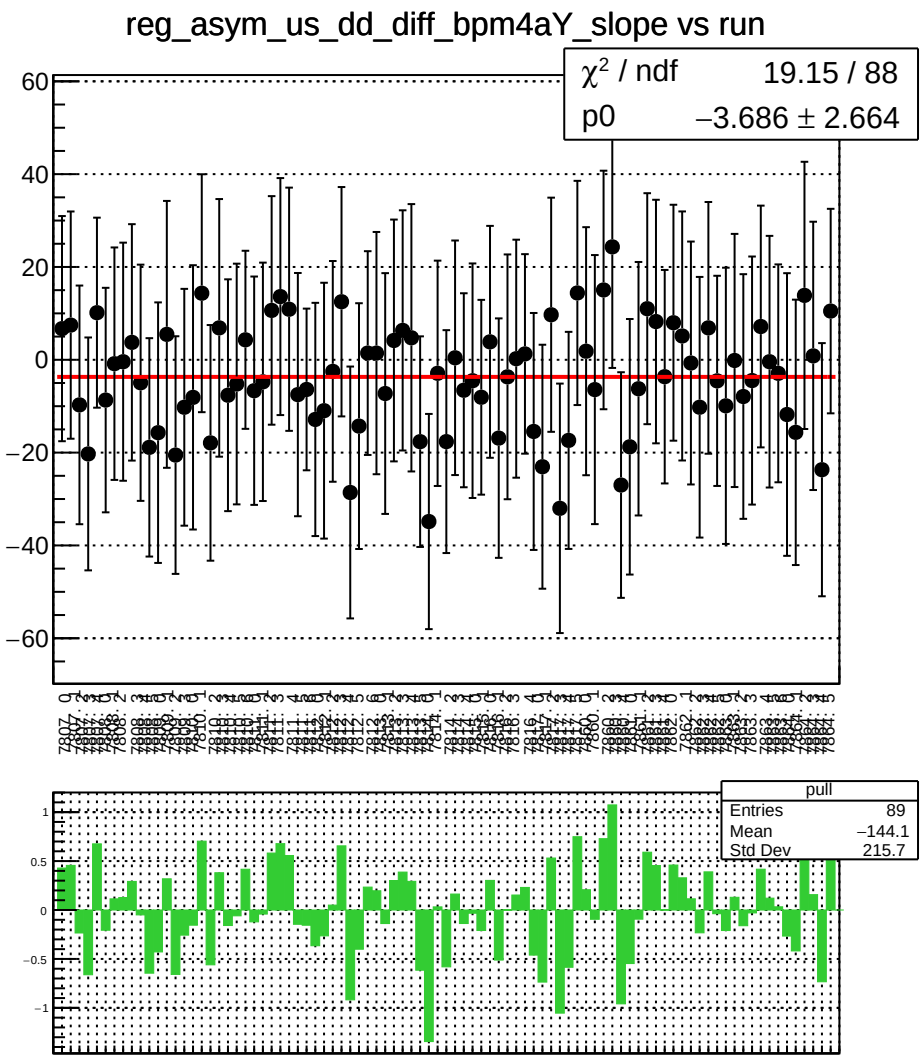

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.54 / 88
p0 1.114 ± 3.449
pull
Entries 89
Mean 165.1
Std Dev 112.6

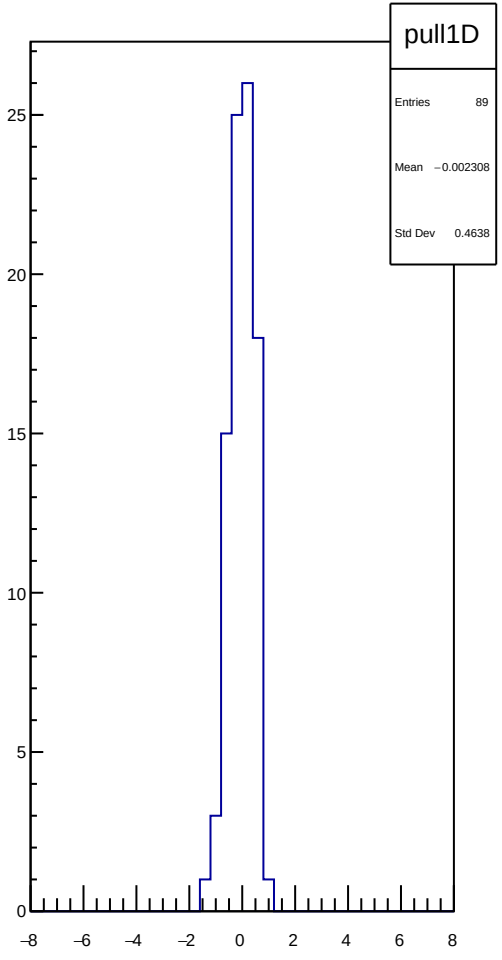

pull1D
Entries 89
Mean 0.02189
Std Dev 0.3894

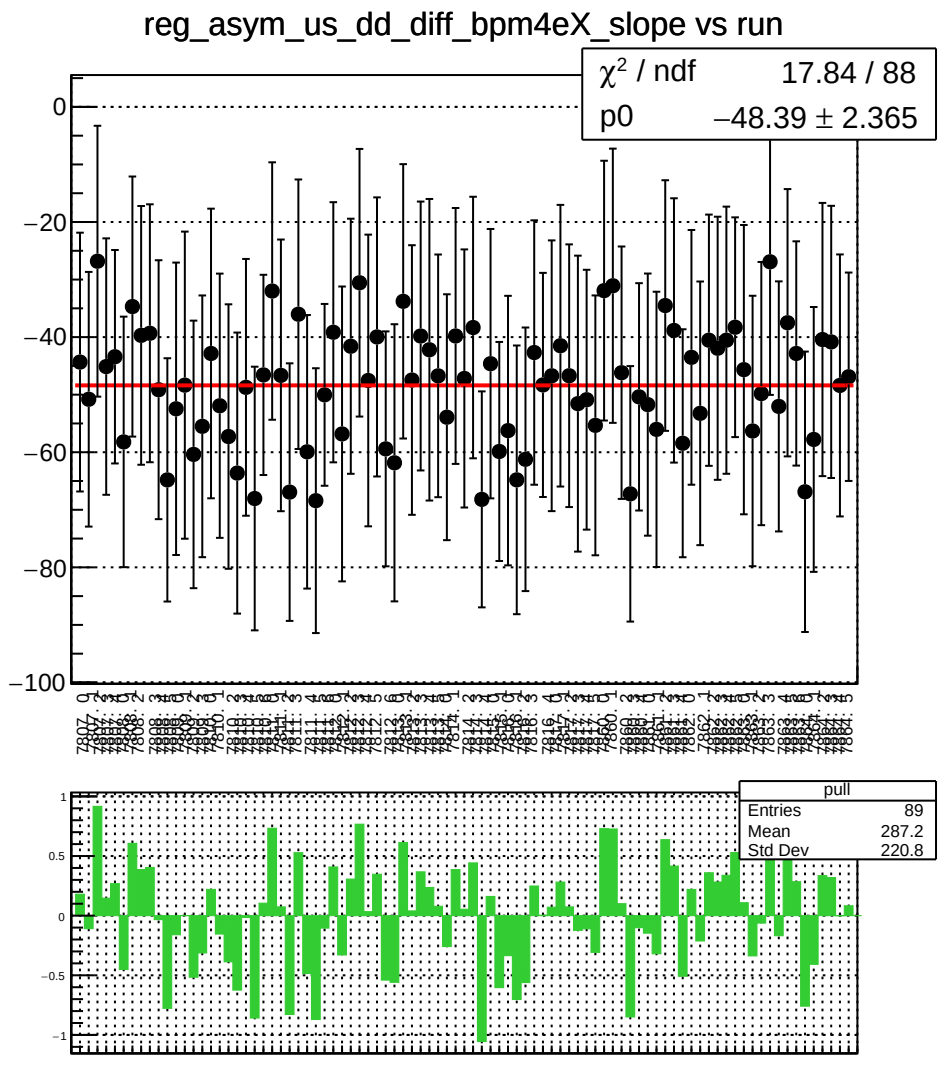

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 79.7 / 88
p0 −41.64 ± 0.09997
pull
Entries 89
Mean 212.4
Std Dev 164.1

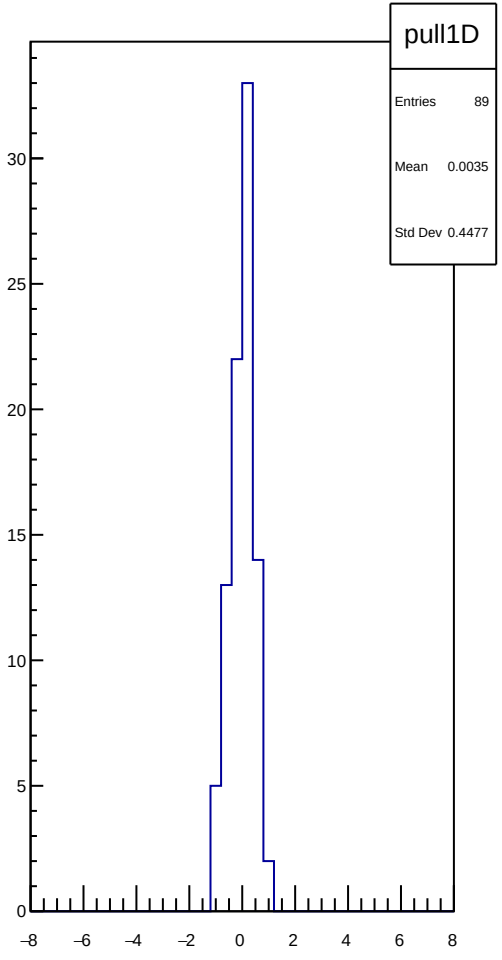

pull1D
Entries 89
Mean −0.1144
Std Dev 0.9394

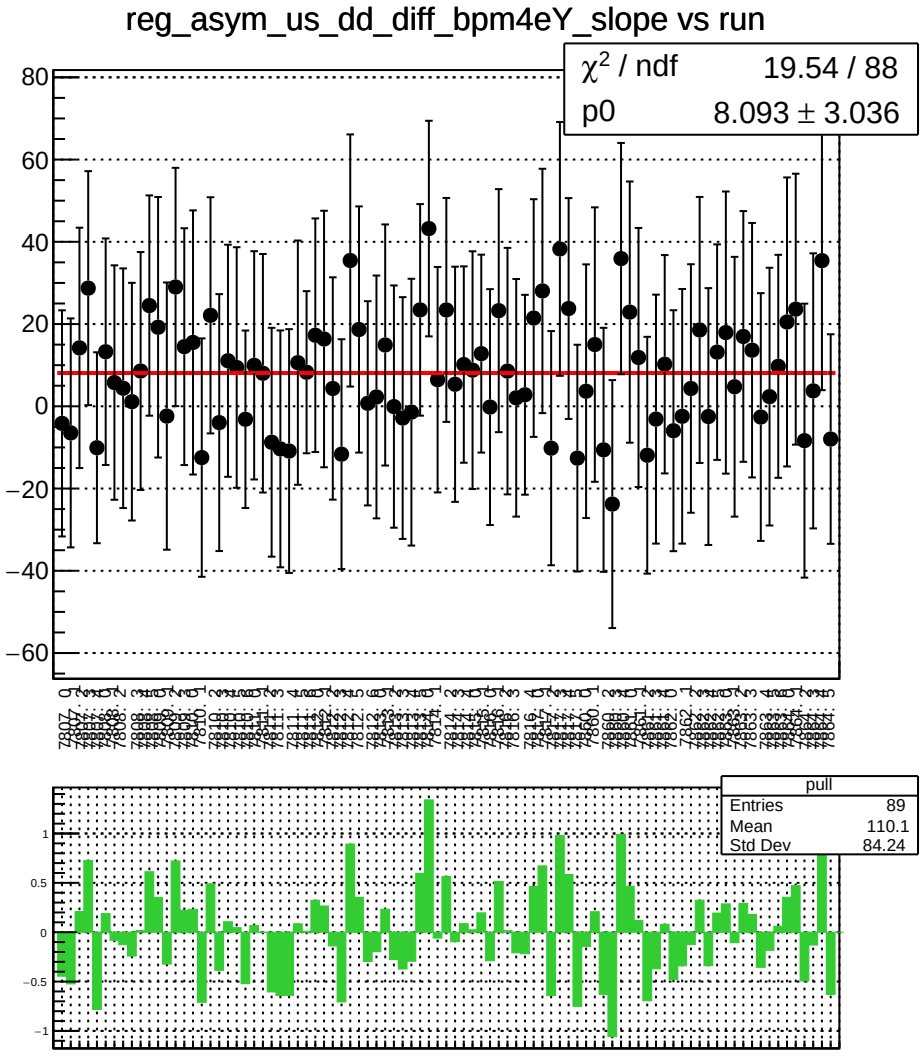

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 18.34 / 88
p0 −13.41± 2.619
pull
Entries 89
Mean 227.5
Std Dev 162.8
pull1D
Entries 89
Mean −0.006373
Std Dev 0.4539

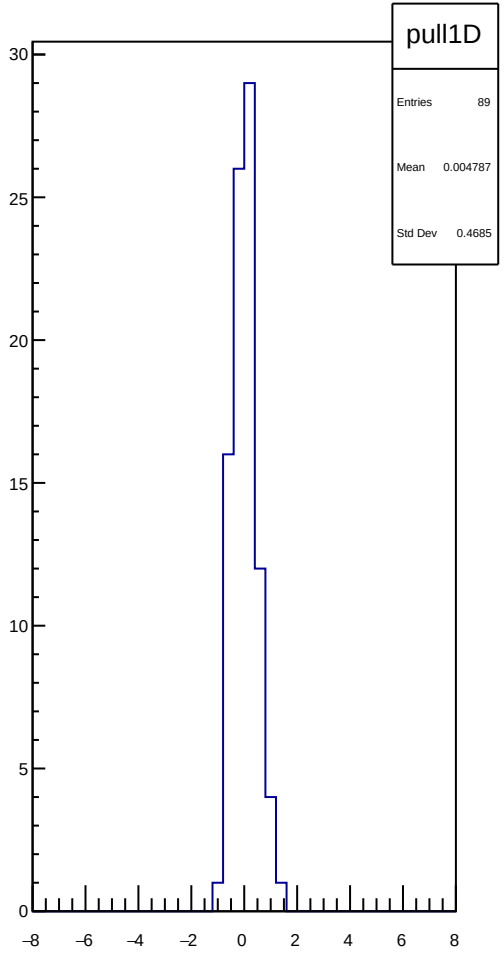

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.15 / 88
p0 −3.686 ± 2.664
pull
Entries 89
Mean −144.1
Std Dev 215.7

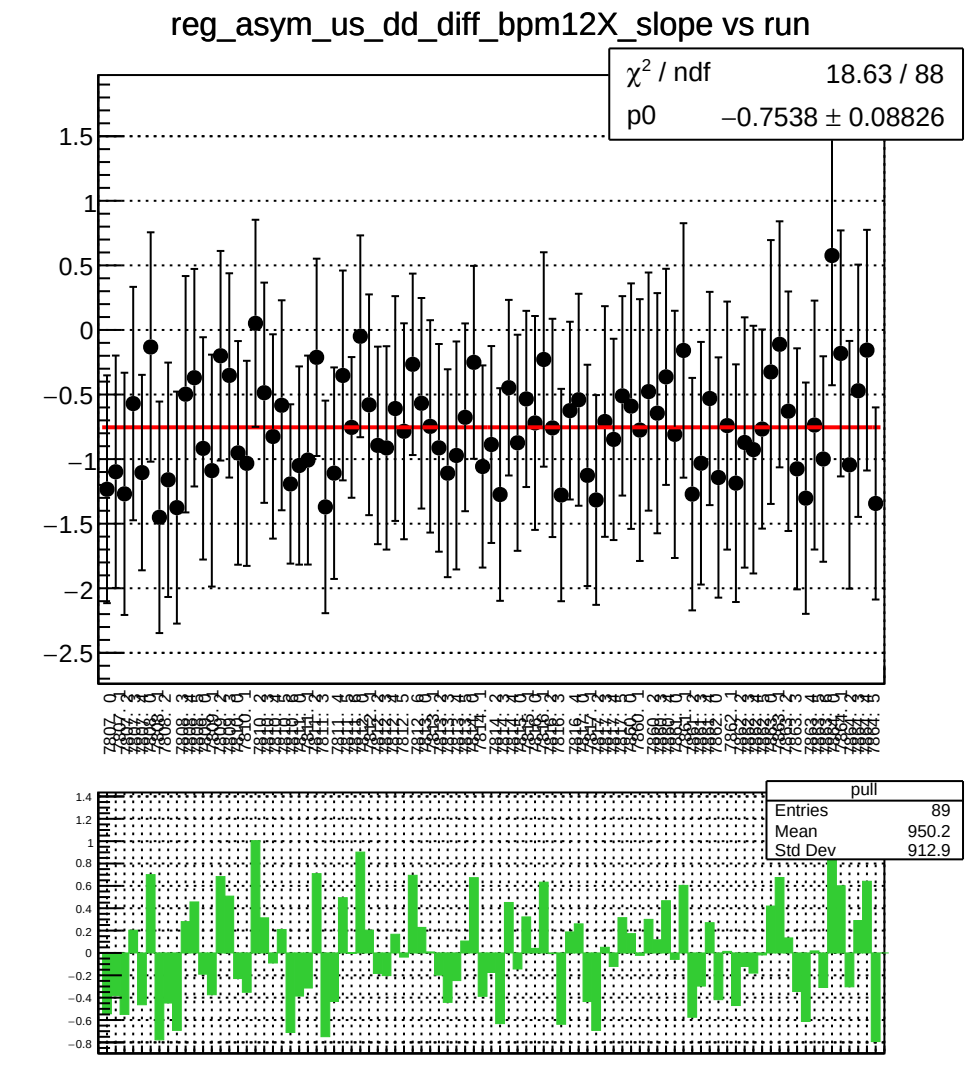

pull1D
Entries 89
Mean −0.002308
Std Dev 0.4638

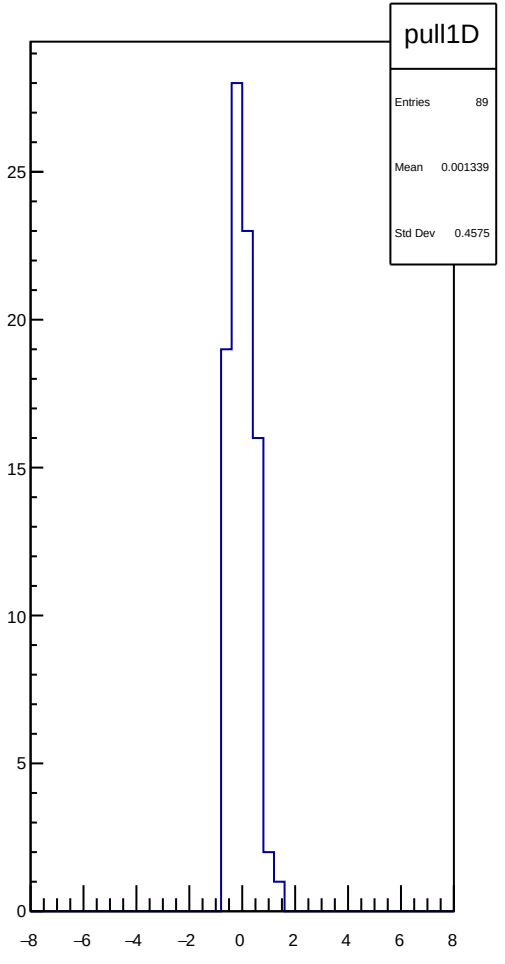

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.84 / 88
p0 −48.39 ± 2.365
pull
Entries 89
Mean 287.2
Std Dev 220.8

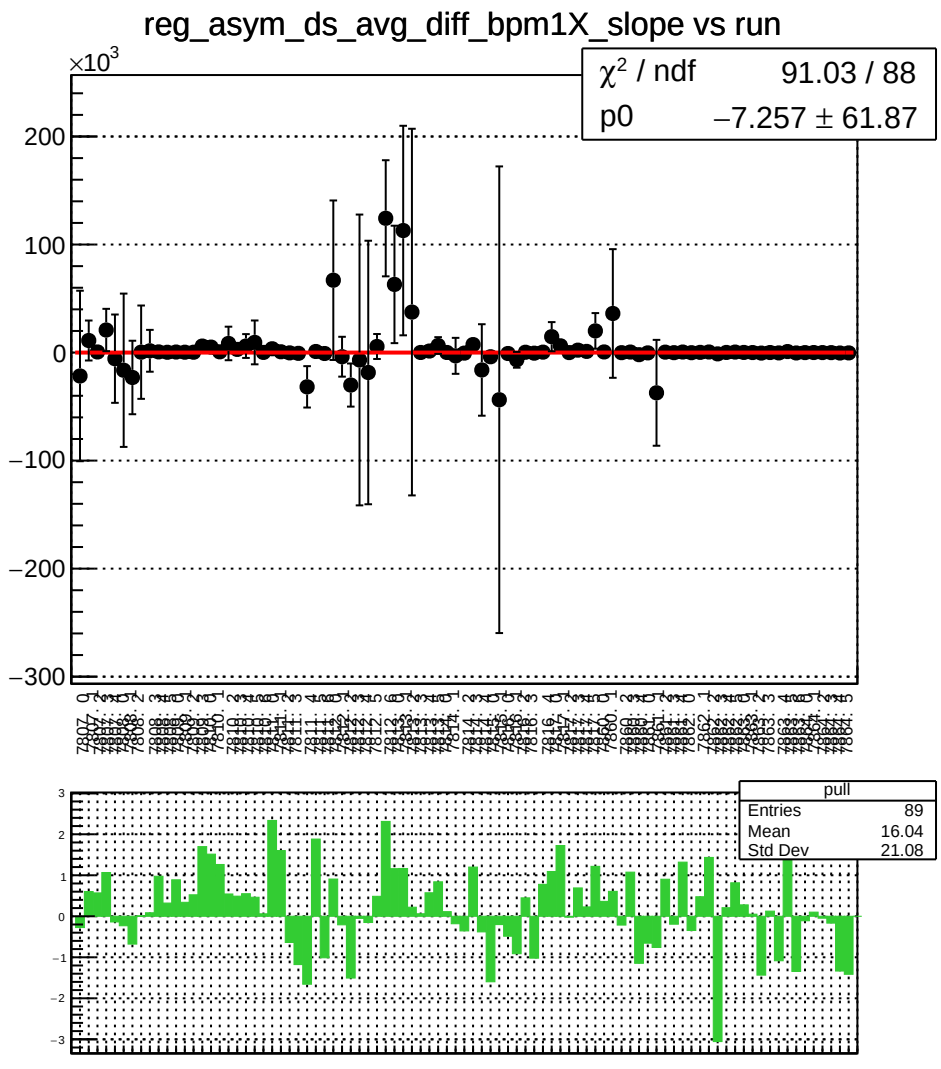

pull1D
Entries 89
Mean 0.0035
Std Dev 0.4477

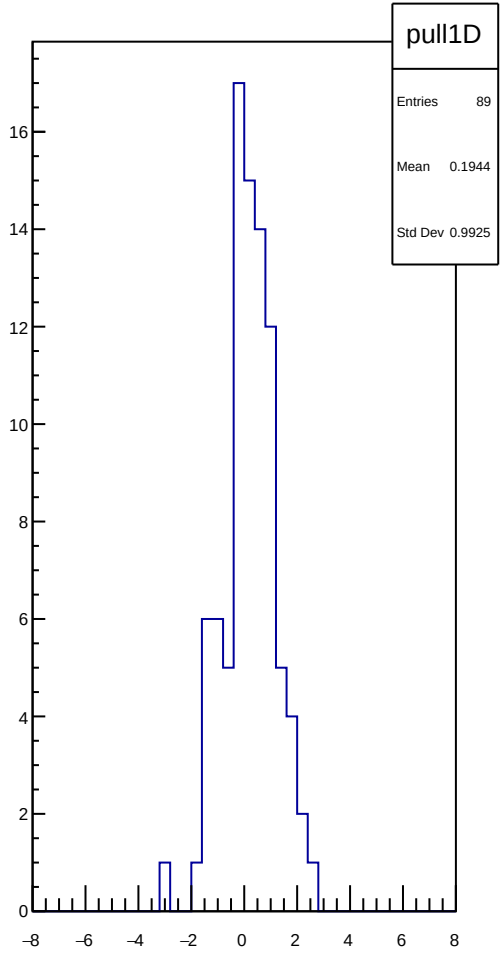

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.54 / 88
p0 8.093 ± 3.036
pull
Entries 89
Mean 110.1
Std Dev 84.24

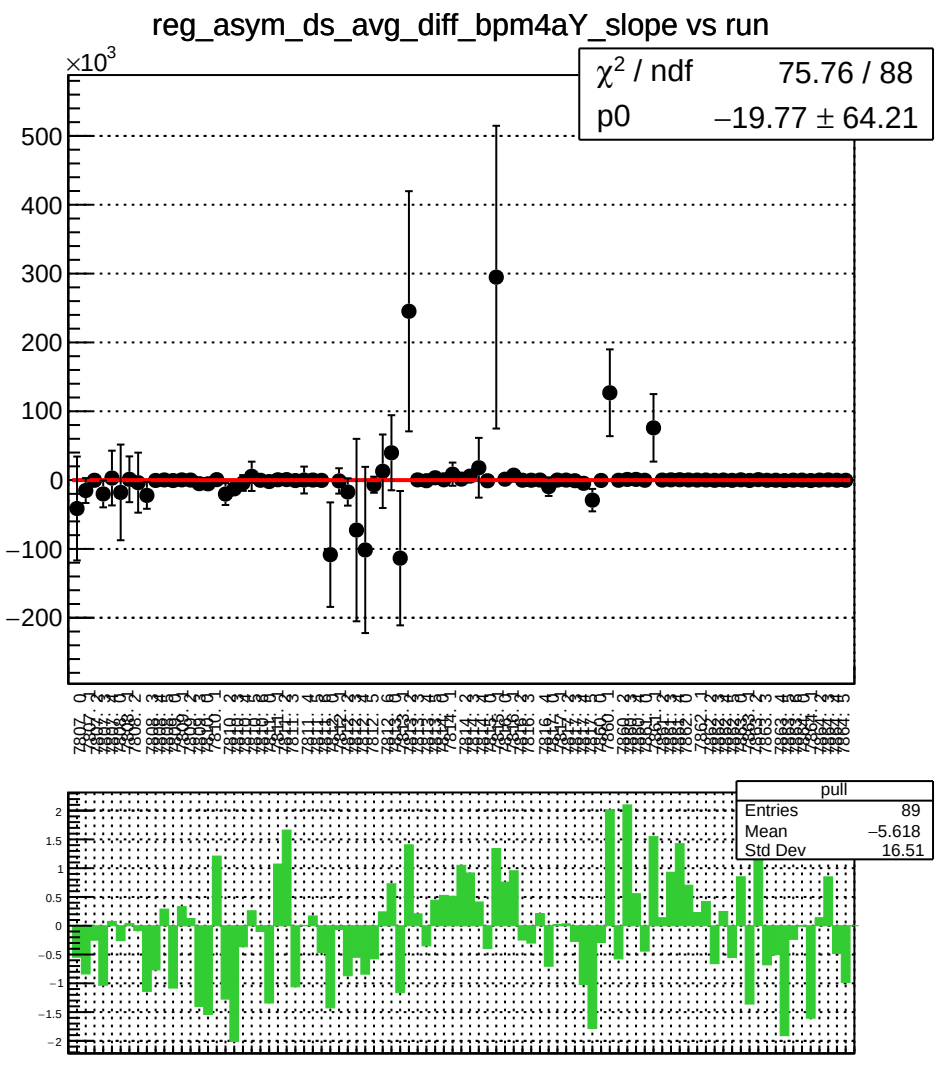

pull1D
Entries 89
Mean 0.004787
Std Dev 0.4685

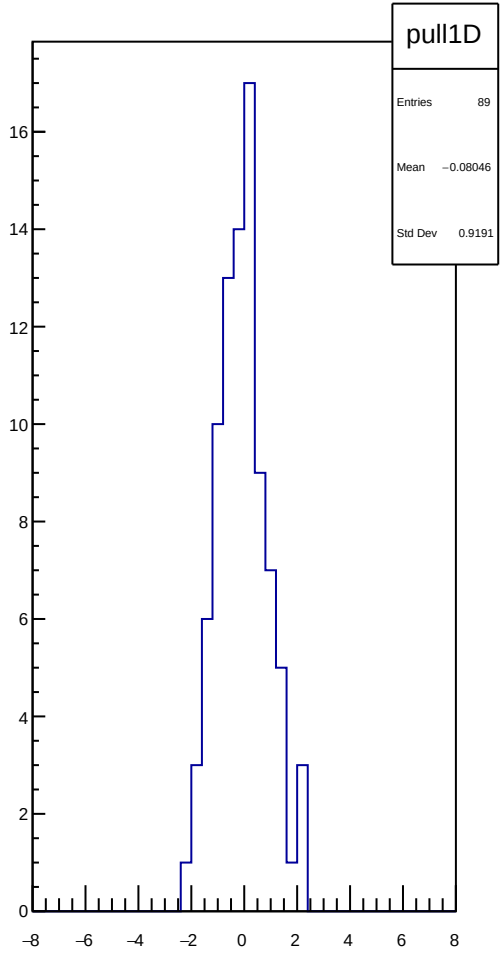

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 18.63 / 88
p0 −0.7538 ± 0.08826
pull
Entries 89
Mean 950.2
Std Dev 912.9

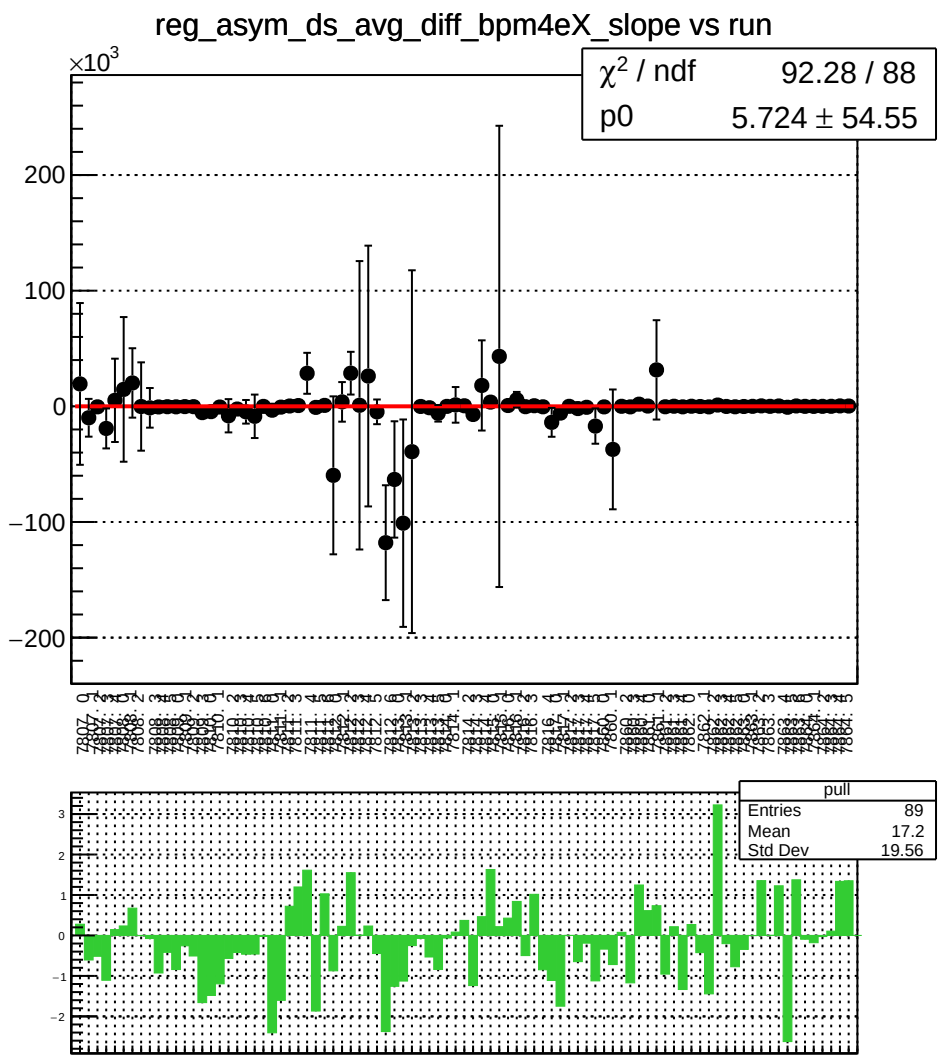

pull1D
Entries 89
Mean 0.001339
Std Dev 0.4575

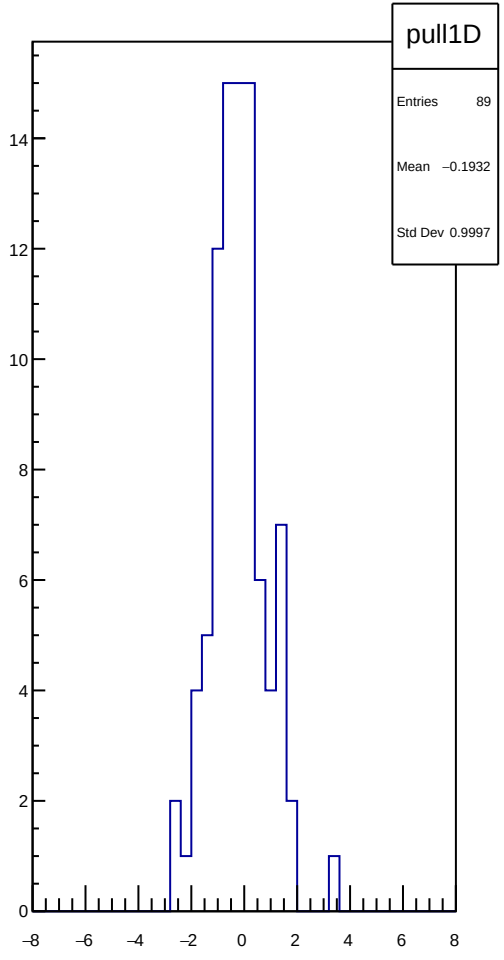

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 91.03 / 88
p0 −7.257 ± 61.87
200
100
0
−100
−200
−300
pull
Entries 89
Mean 16.04
Std Dev 21.08
3
2
1
0
−1
−2
−3

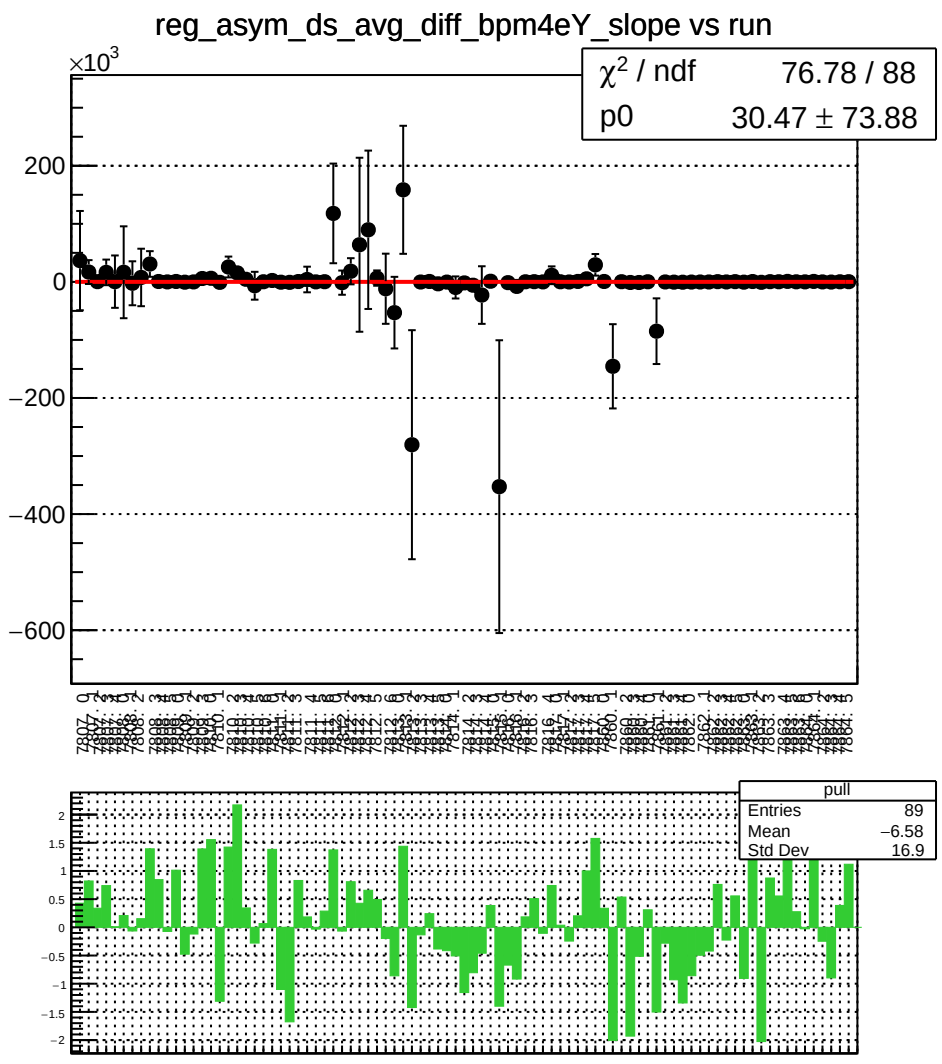

pull1D
Entries 89
Mean 0.1944
Std Dev 0.9925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

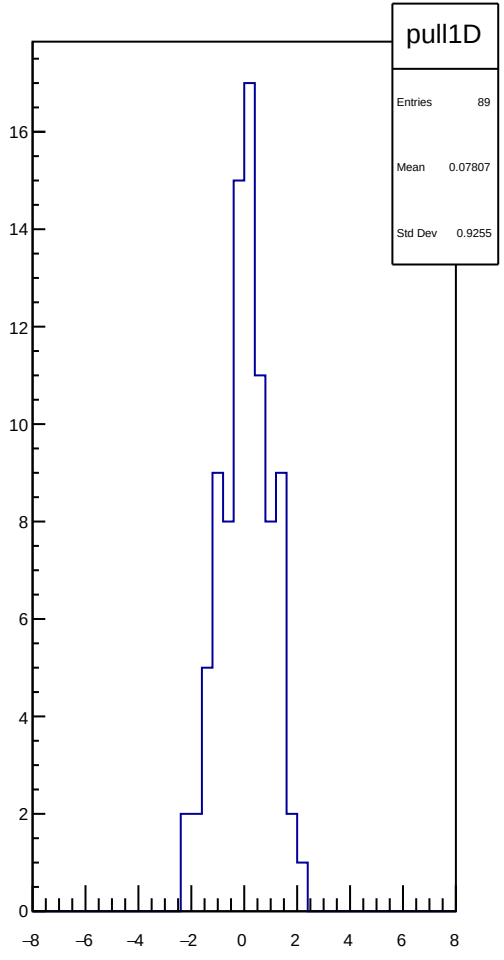

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 75.76 / 88
p0 −19.77 ± 64.21
500
400
300
200
100
0
−100
−200
pull
Entries 89
Mean −5.618
Std Dev 16.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

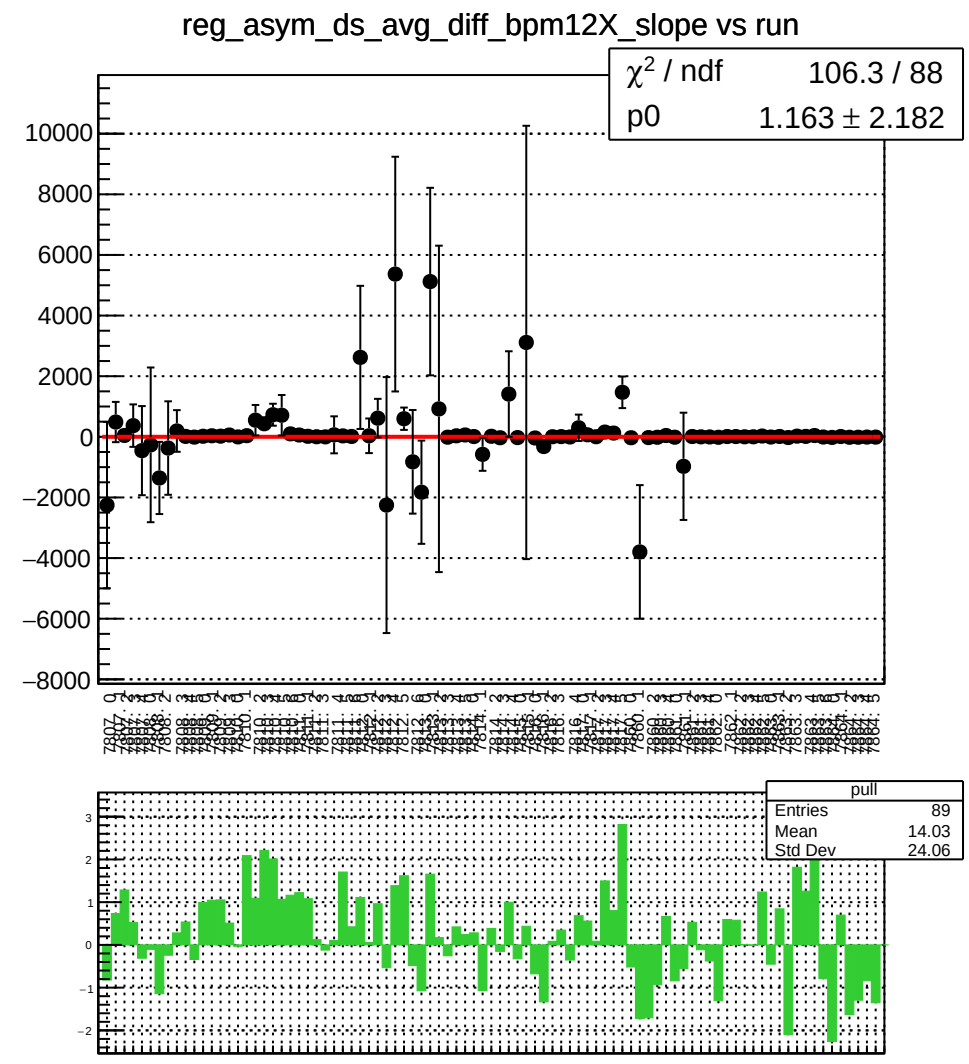

pull1D
Entries 89
Mean −0.08046
Std Dev 0.9191
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

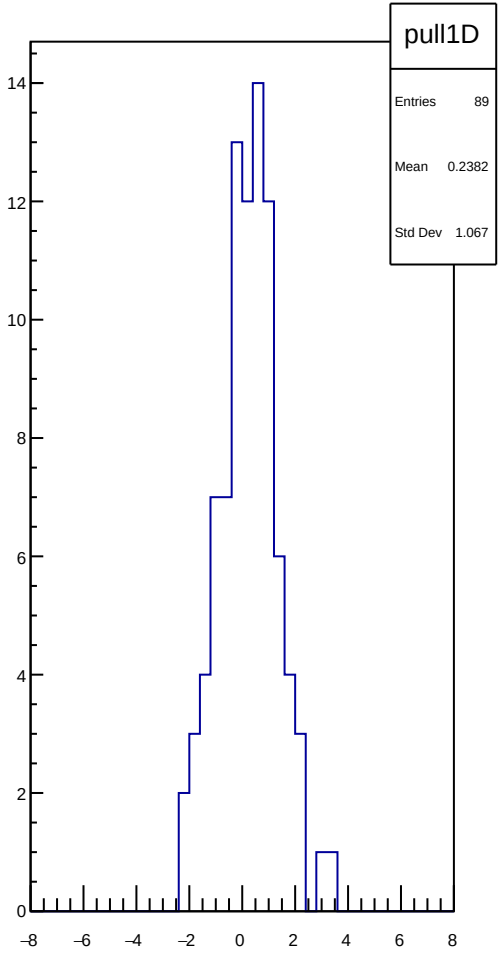

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.28 / 88
p0 5.724 ± 54.55
×10³
200
100
0
−100
−200
pull
Entries 89
Mean 17.2
Std Dev 19.56
3
2
1
0
−1
−2

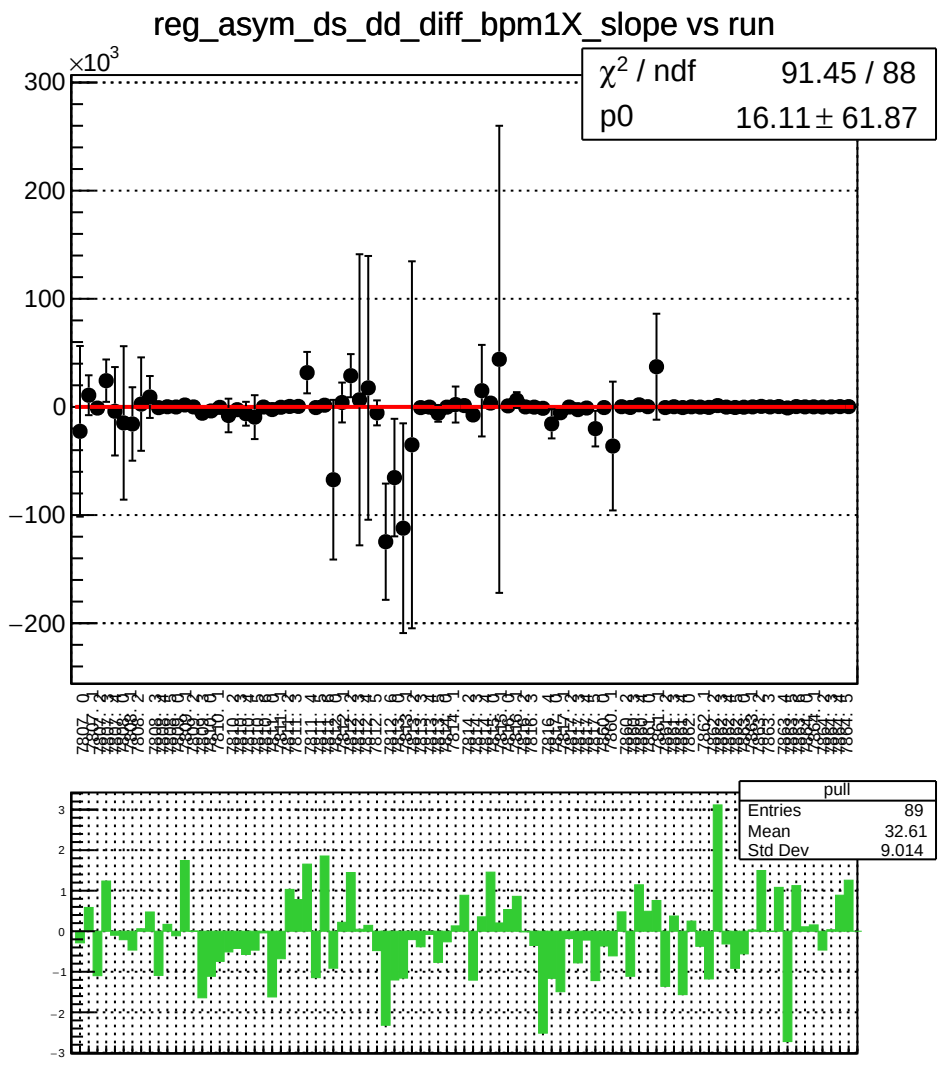

pull1D
Entries 89
Mean −0.1932
Std Dev 0.9997
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

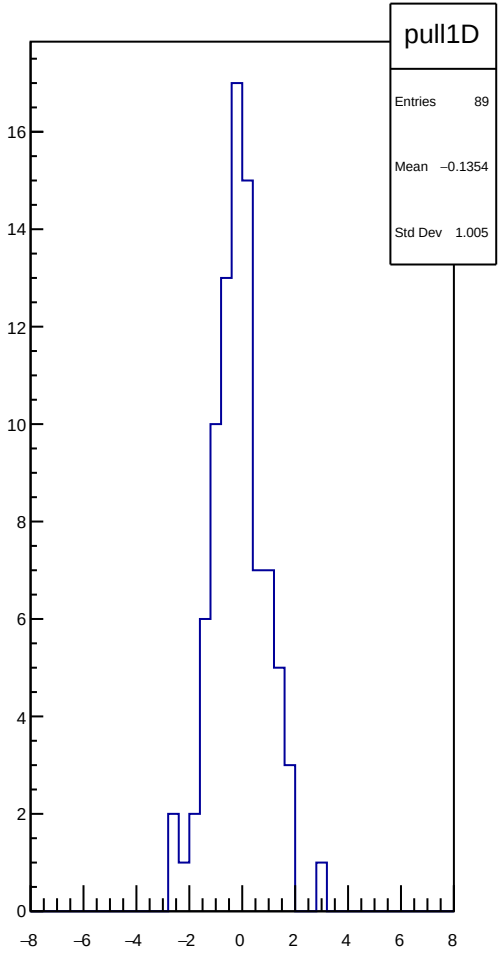

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.78 / 88
p0 30.47 ± 73.88
×10³
200
0
−200
−400
−600
pull
Entries 89
Mean −6.58
Std Dev 16.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

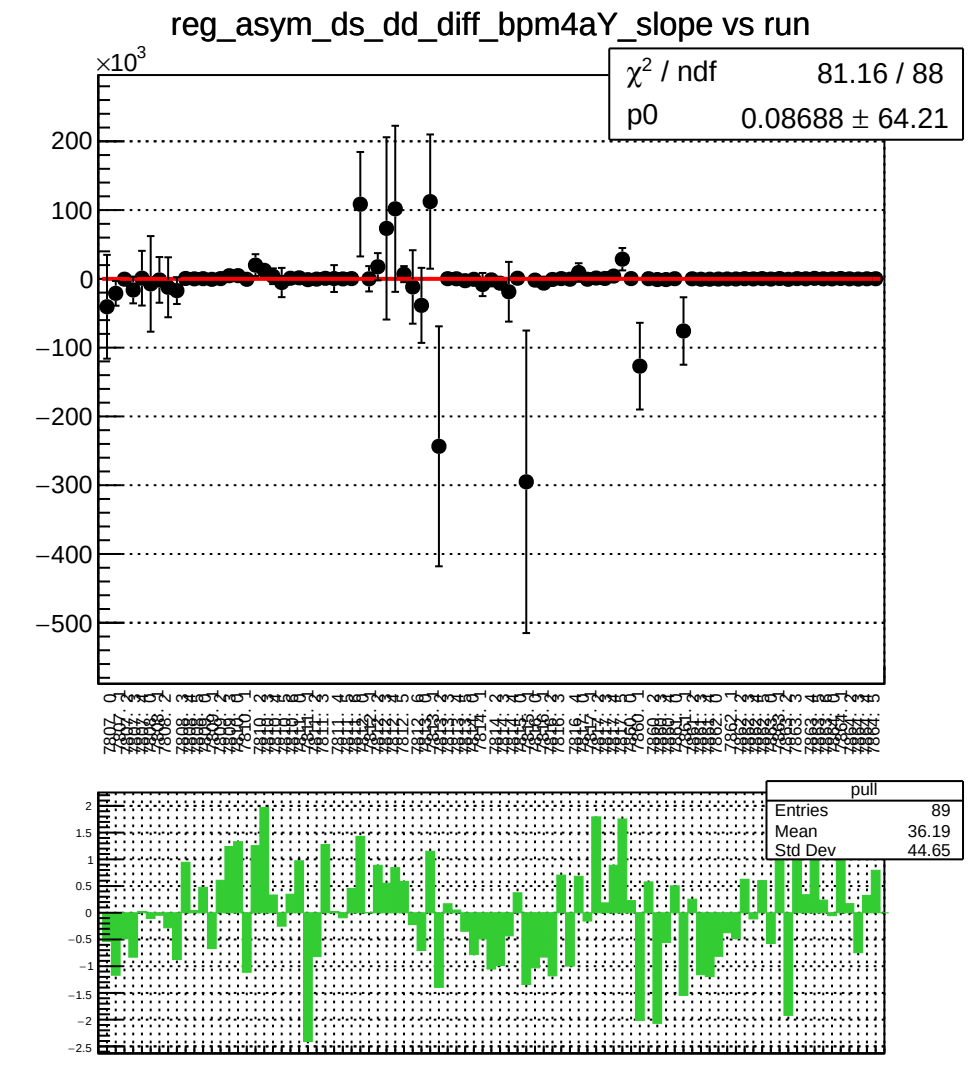

pull1D
Entries 89
Mean 0.07807
Std Dev 0.9255
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

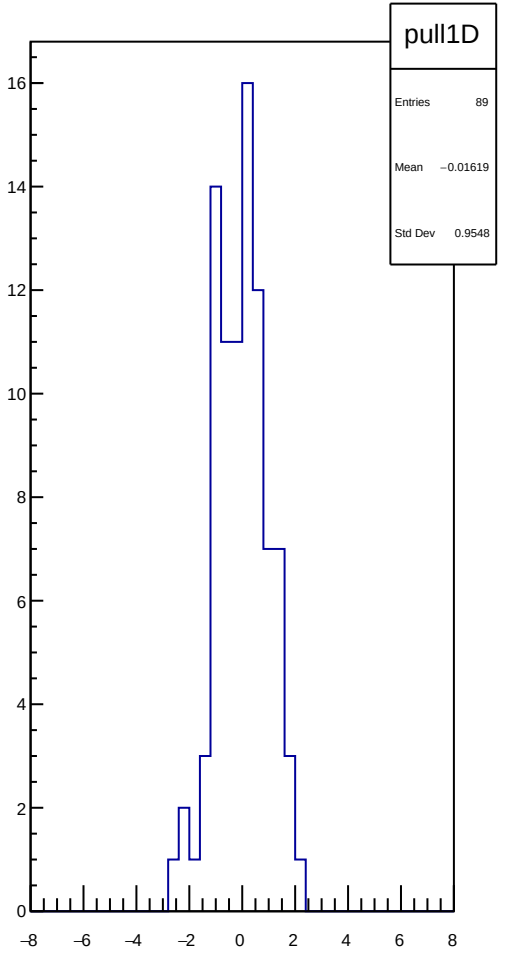

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 106.3 / 88
p0 1.163 ± 2.182
pull
Entries 89
Mean 14.03
Std Dev 24.06

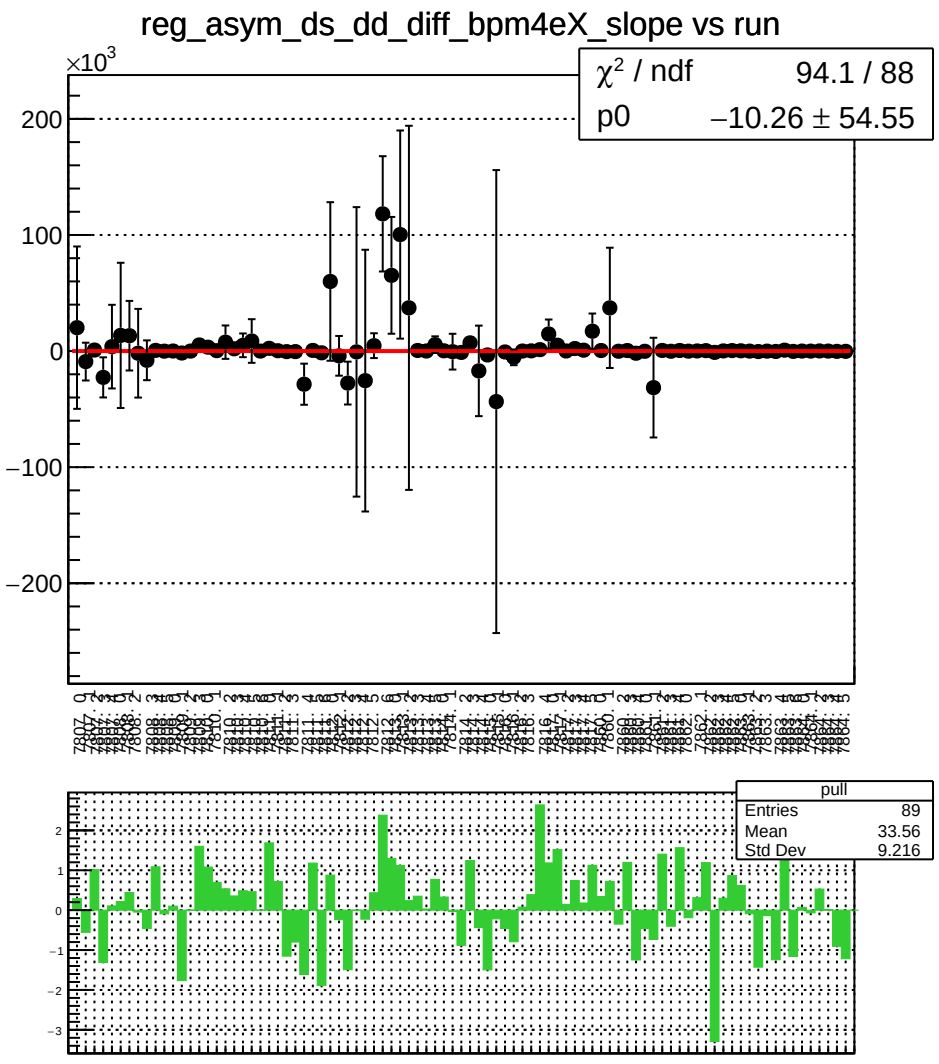

pull1D
Entries 89
Mean 0.2382
Std Dev 1.067

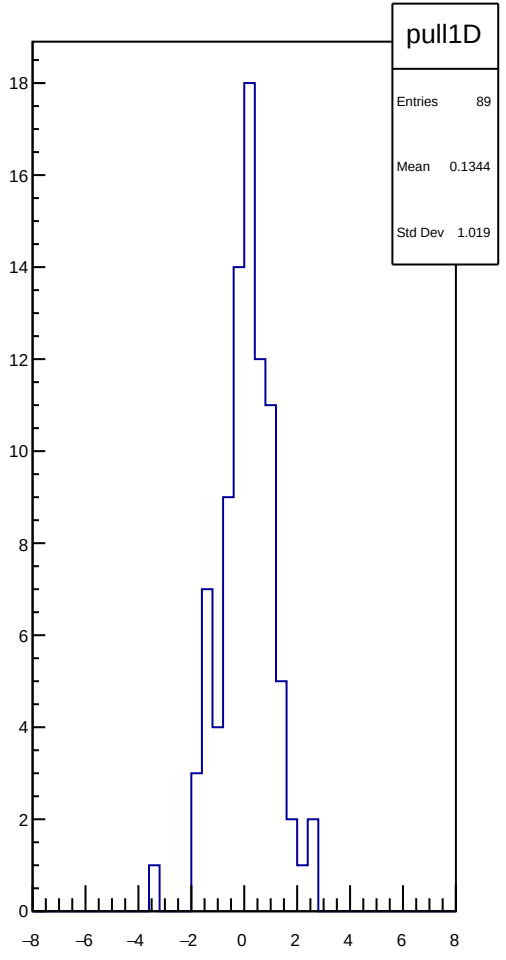

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 91.45 / 88
p0 16.11 ± 61.87
×10³
pull
Entries 89
Mean 32.61
Std Dev 9.014

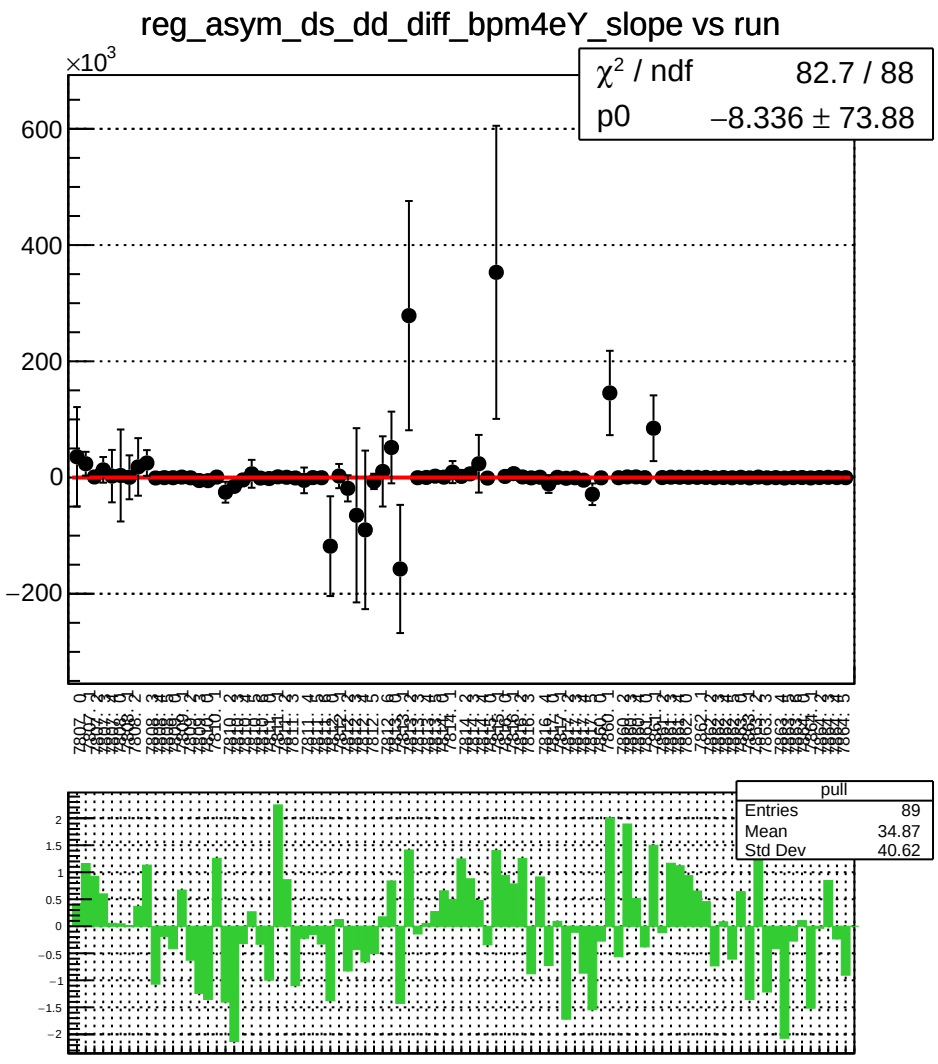

pull1D
Entries 89
Mean −0.1354
Std Dev 1.005

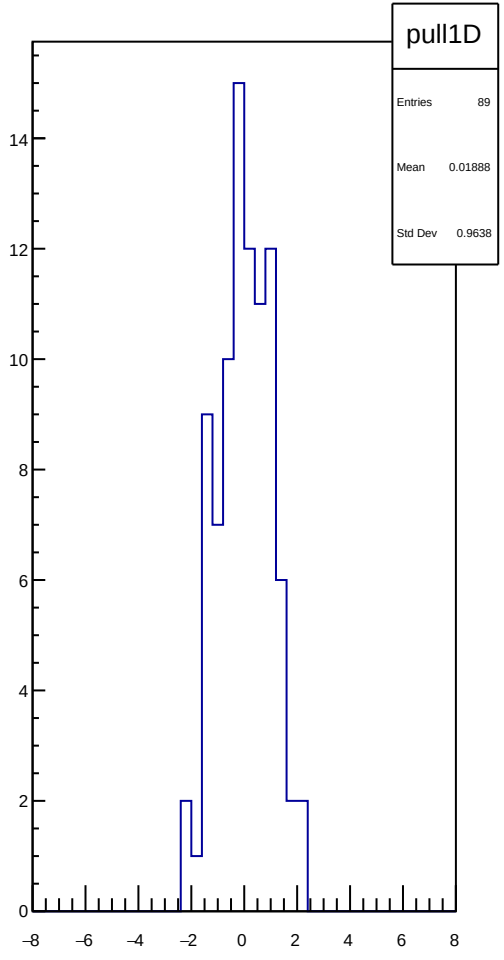

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 81.16 / 88
p0 0.08688 ± 64.21
pull
Entries 89
Mean 36.19
Std Dev 44.65

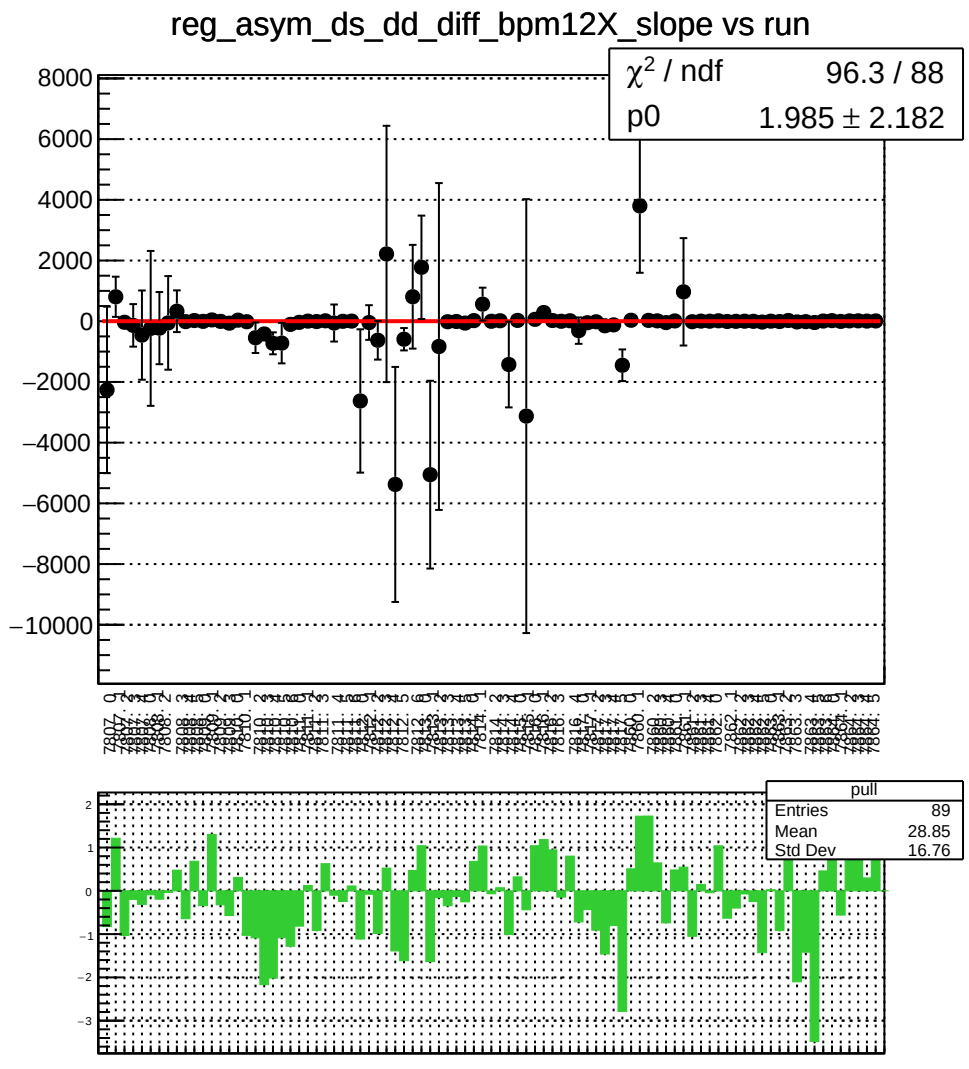

pull1D
Entries 89
Mean −0.01619
Std Dev 0.9548

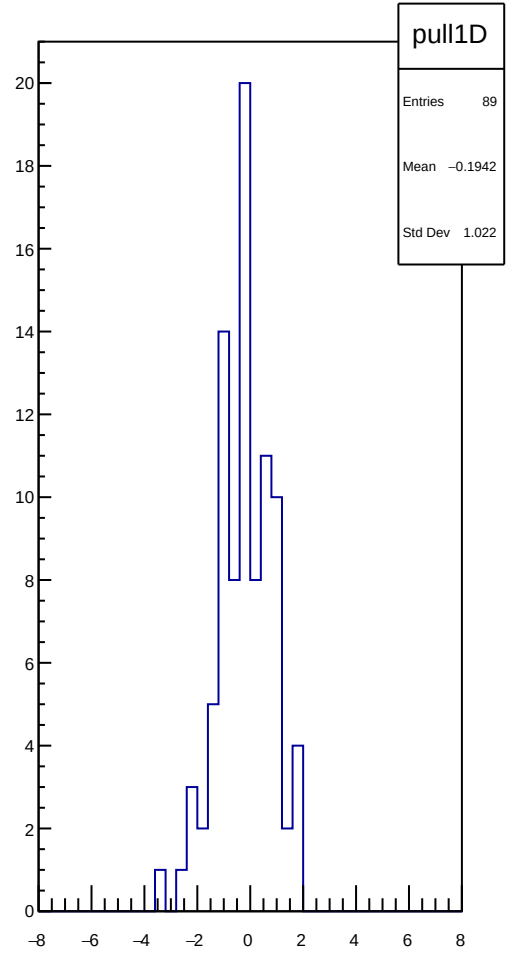

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 94.1 / 88
p0 −10.26 ± 54.55
200
100
0
−100
−200
pull
Entries 89
Mean 33.56
Std Dev 9.216
2
1
0
−1
−2
−3

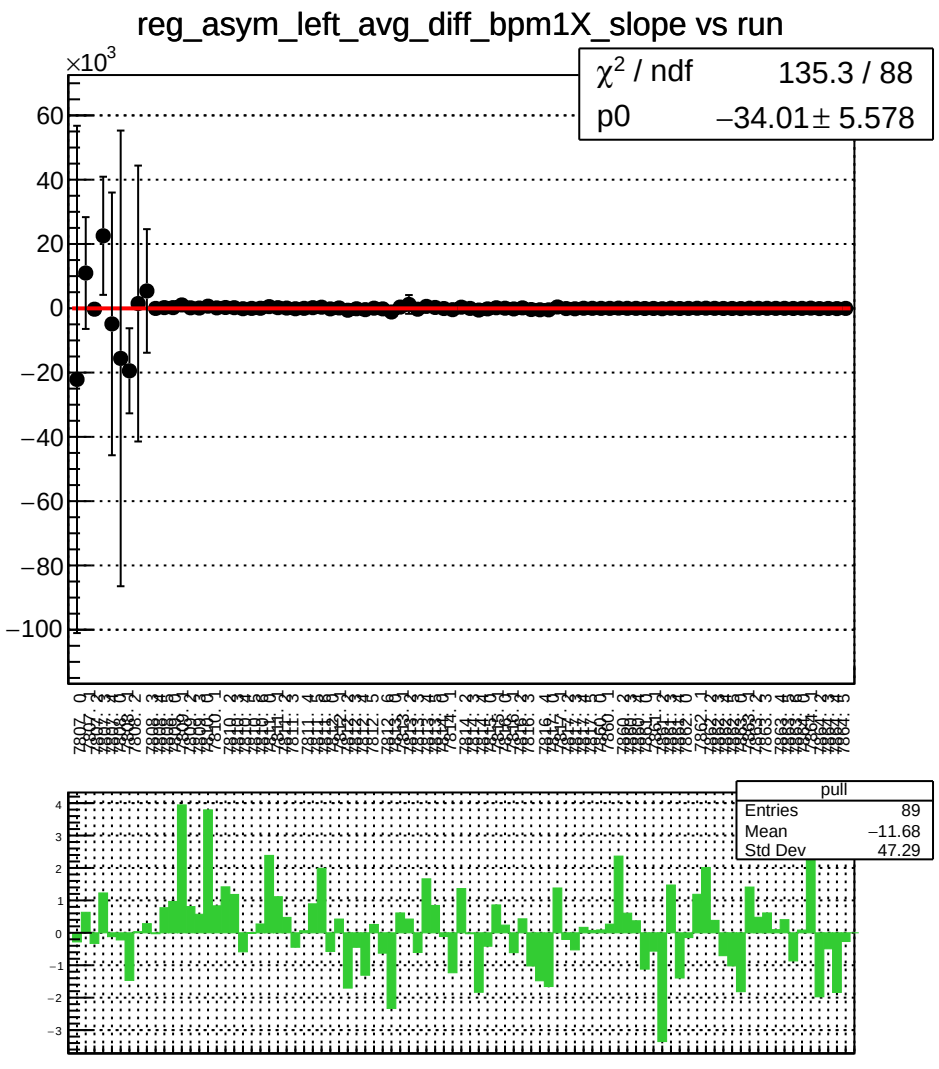

pull1D
Entries 89
Mean 0.1344
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

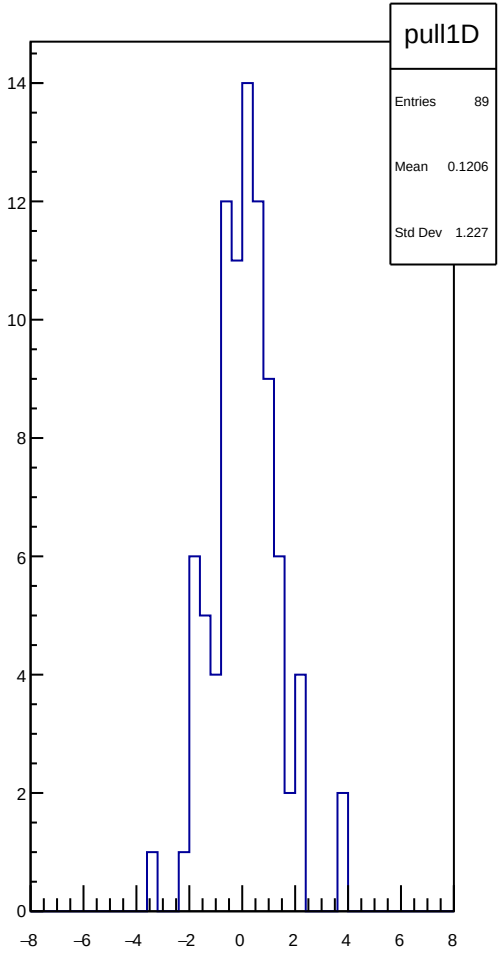

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 82.7 / 88
p0 −8.336 ± 73.88
600
400
200
0
−200
pull
Entries 89
Mean 34.87
Std Dev 40.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

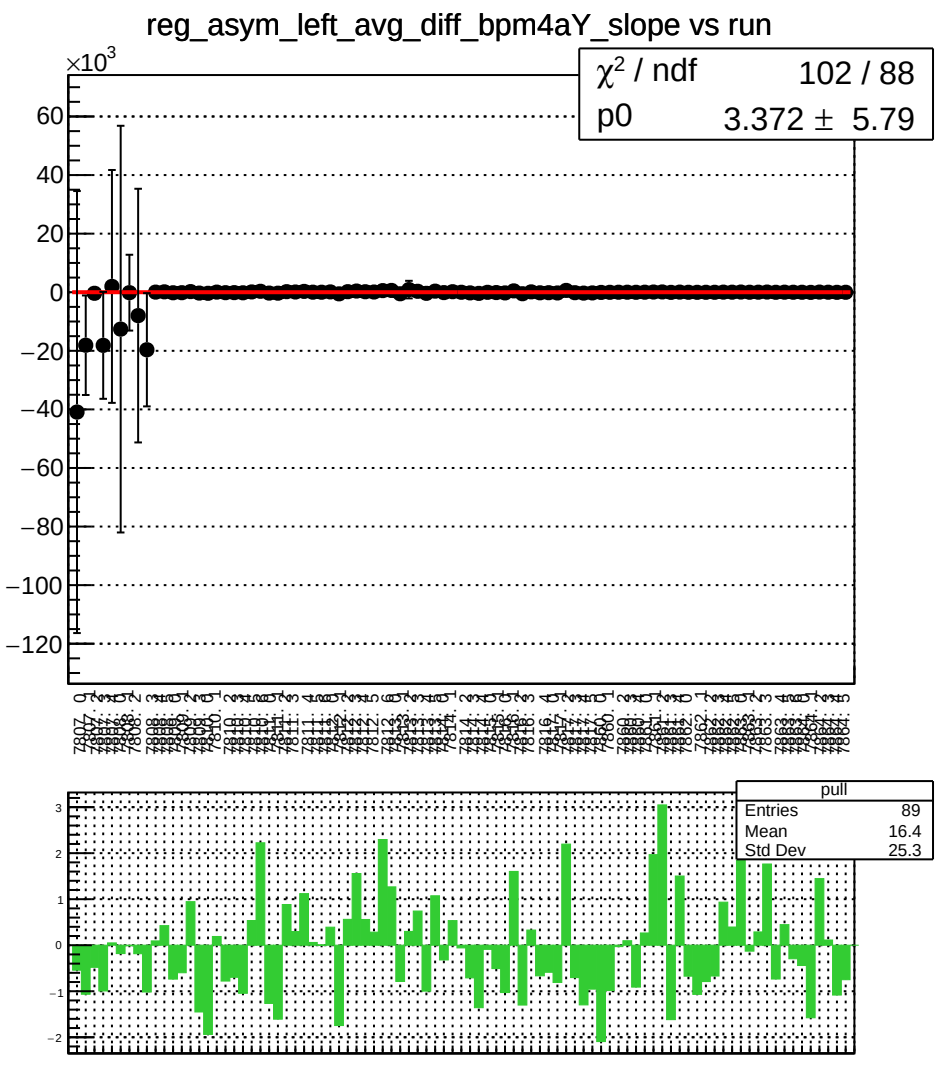

pull1D
Entries 89
Mean 0.01888
Std Dev 0.9638
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

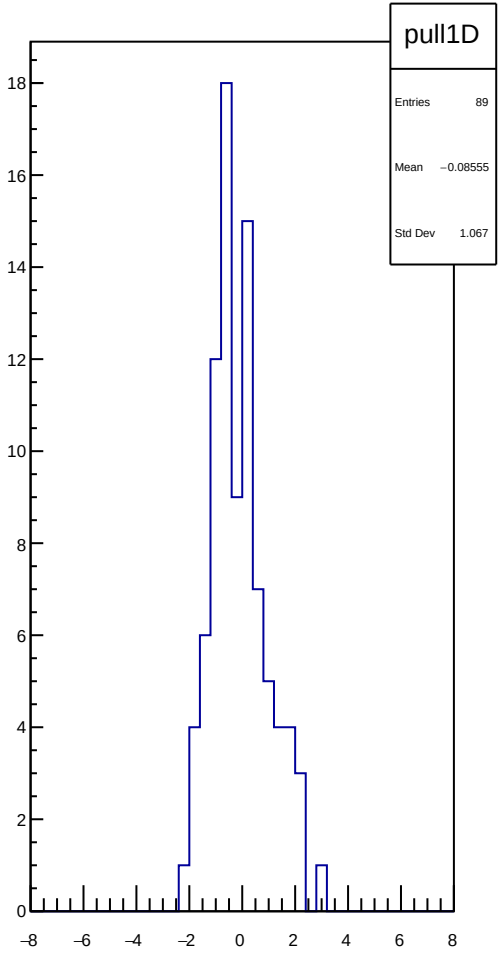

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 96.3 / 88
p0 1.985 ± 2.182
pull
Entries 89
Mean 28.85
Std Dev 16.76

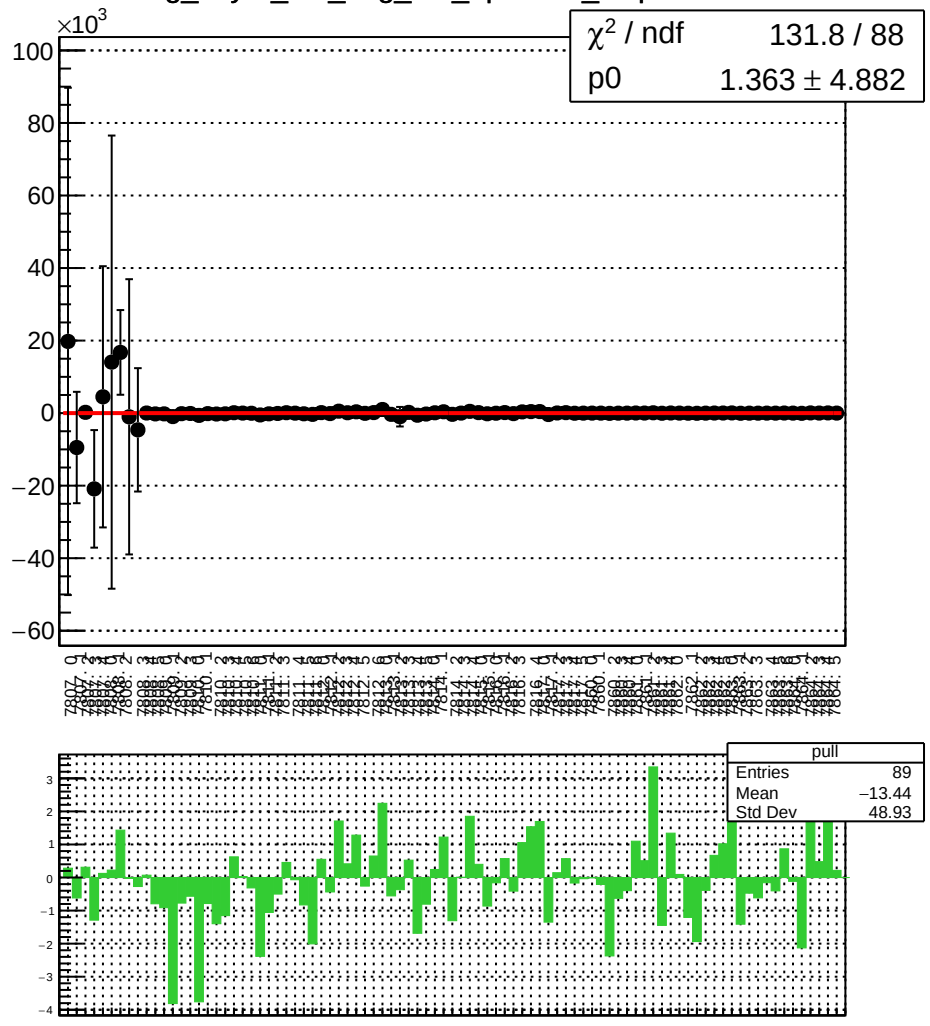

pull1D
Entries 89
Mean −0.1942
Std Dev 1.022

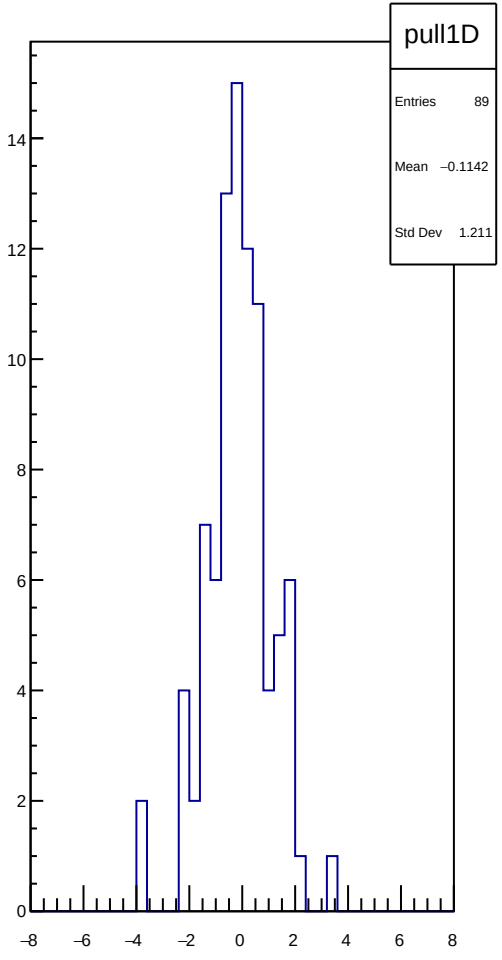

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 135.3 / 88
p0 −34.01 ± 5.578
pull
Entries 89
Mean −11.68
Std Dev 47.29

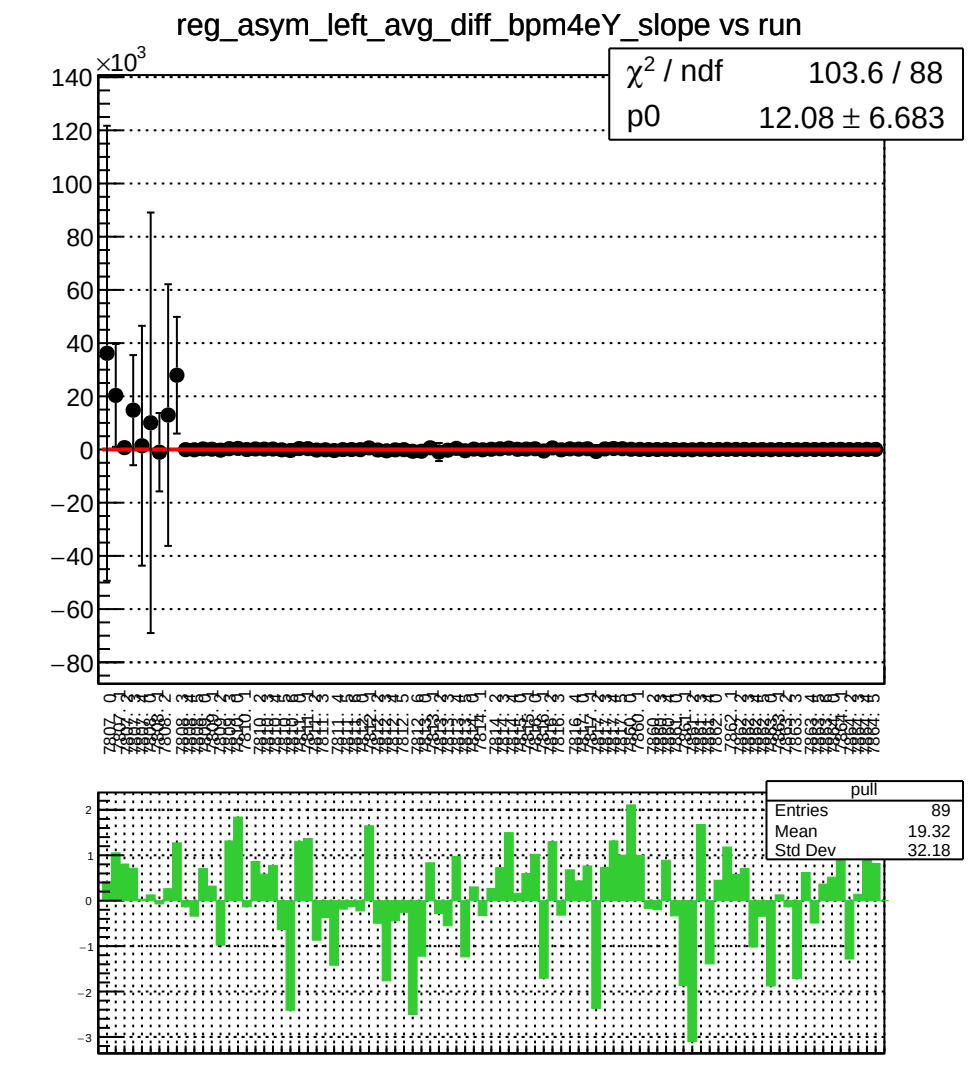

pull1D
Entries 89
Mean 0.1206
Std Dev 1.227

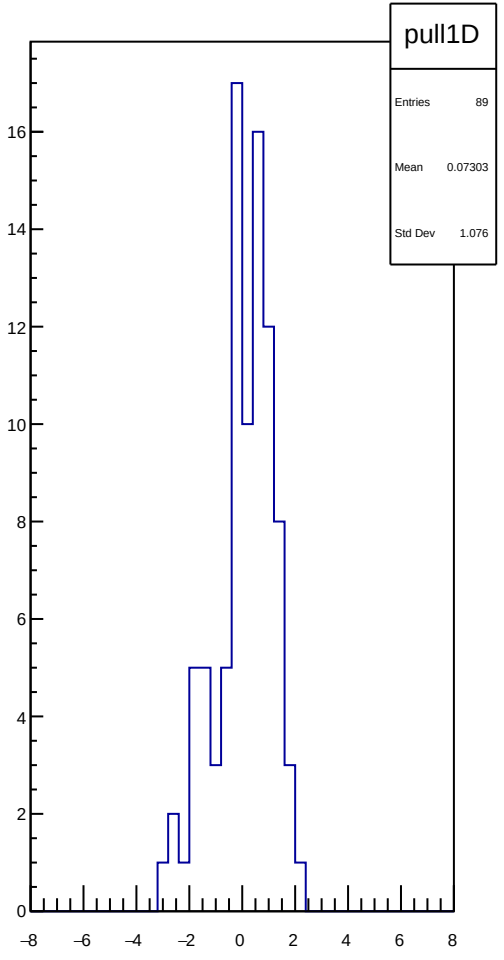

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 102 / 88
p0 3.372 ± 5.79
×10³
pull
Entries 89
Mean 16.4
Std Dev 25.3

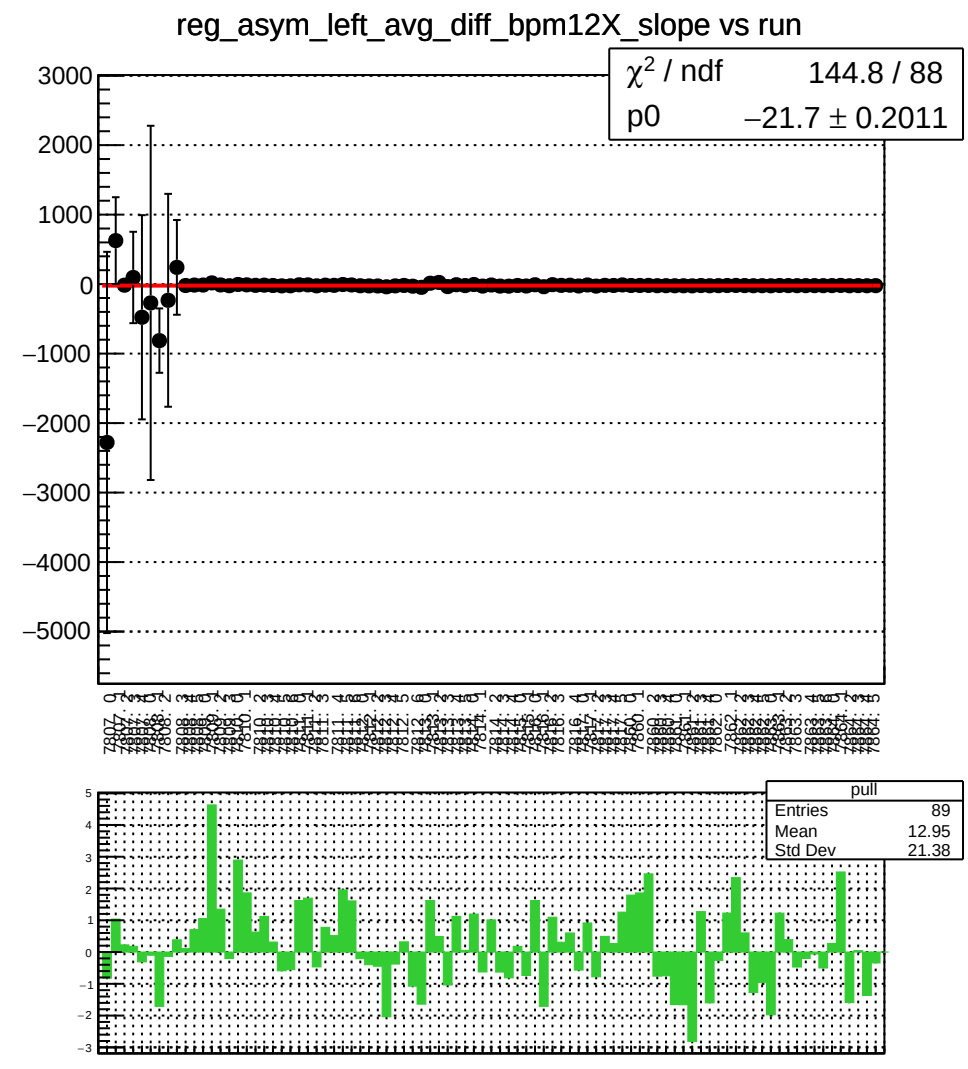

pull1D
Entries 89
Mean −0.08555
Std Dev 1.067

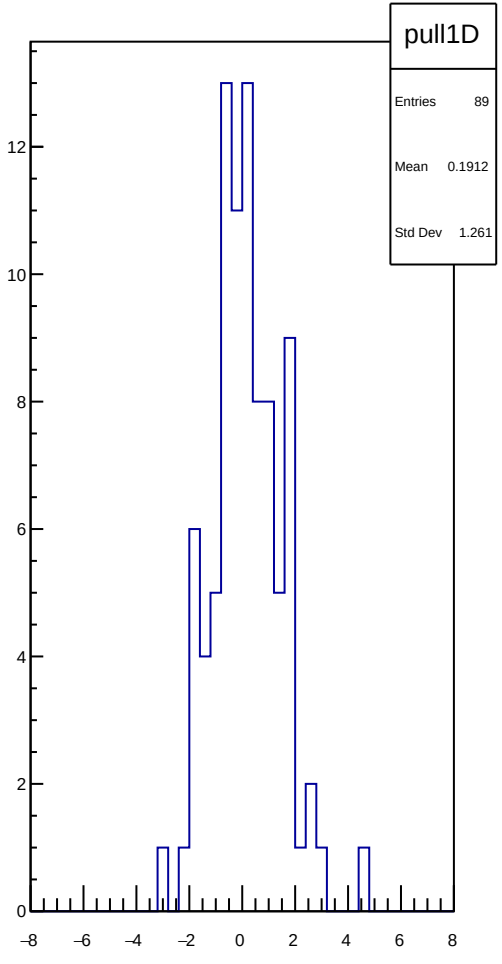

reg_asym_left_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 131.8 / 88
p0 1.363 ± 4.882
pull
Entries 89
Mean −13.44
Std Dev 48.93

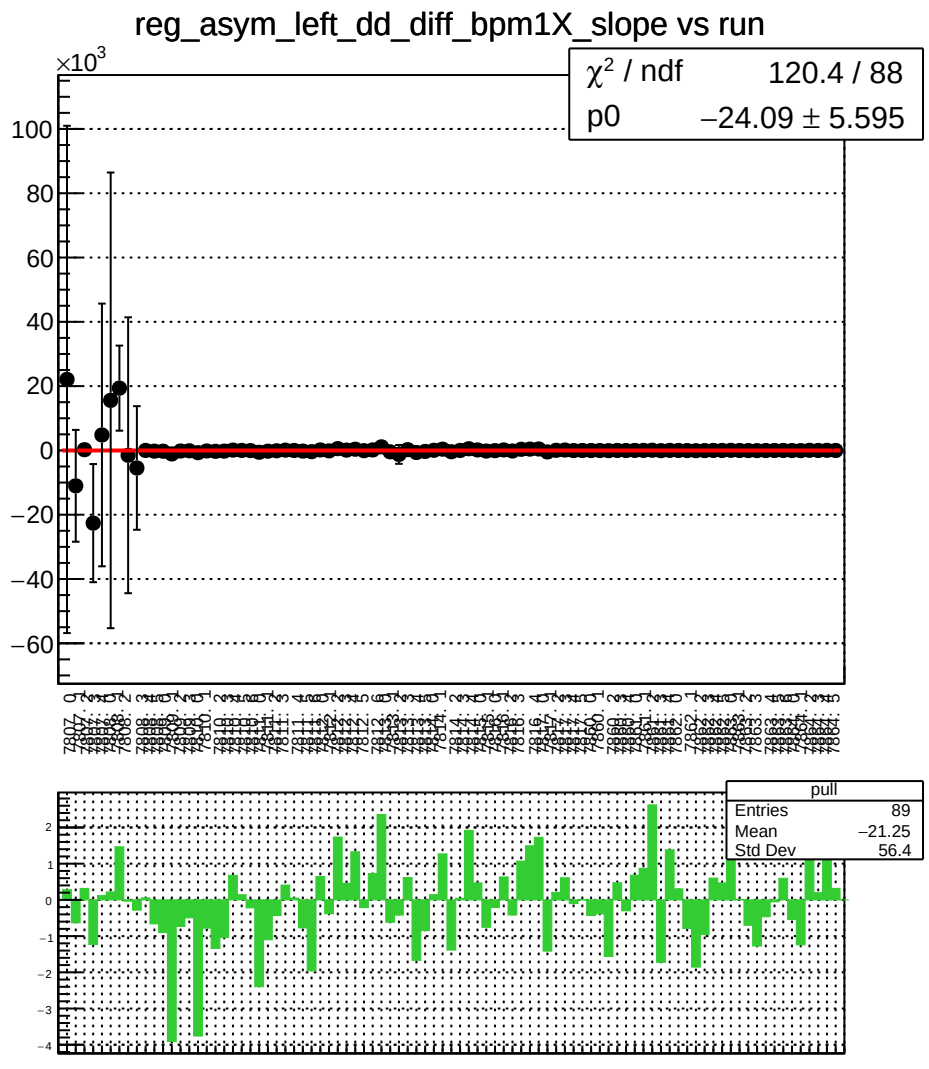

pull1D
Entries 89
Mean −0.1142
Std Dev 1.211

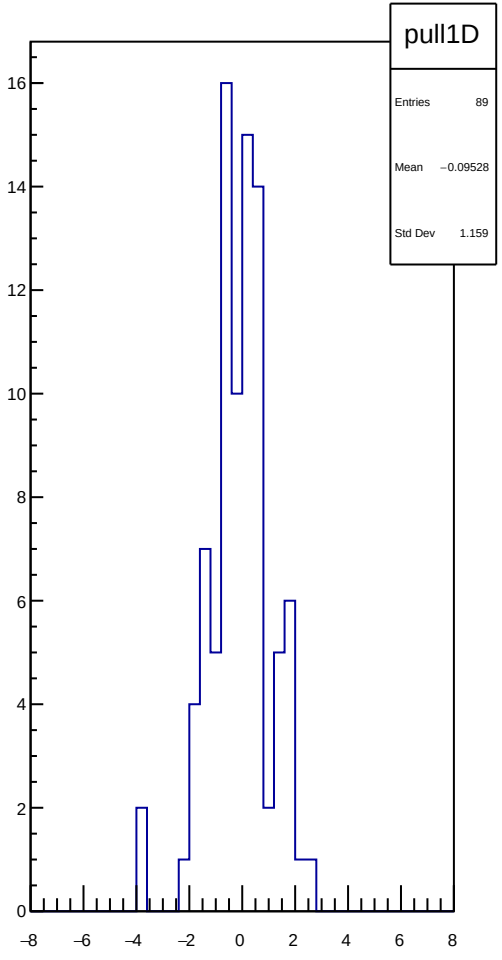

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 103.6 / 88
p0 12.08 ± 6.683
×10³
pull
Entries 89
Mean 19.32
Std Dev 32.18

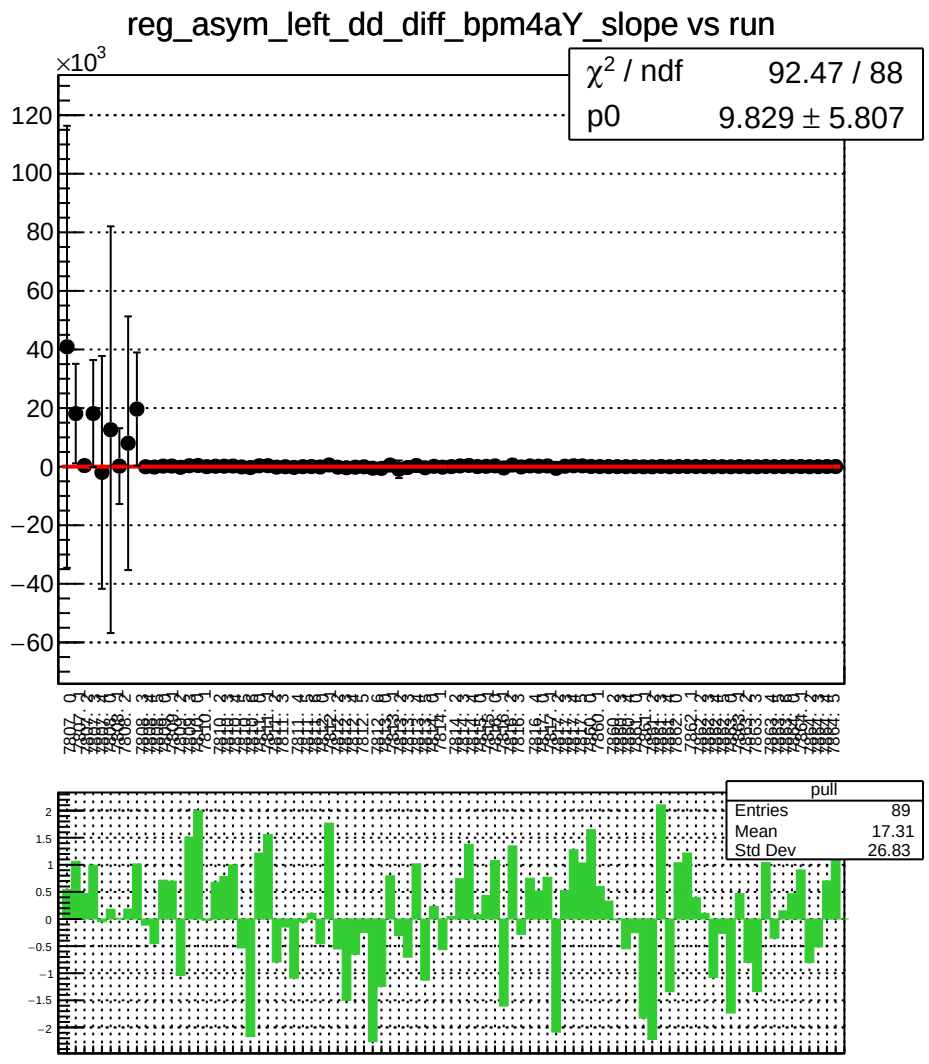

pull1D
Entries 89
Mean 0.07303
Std Dev 1.076

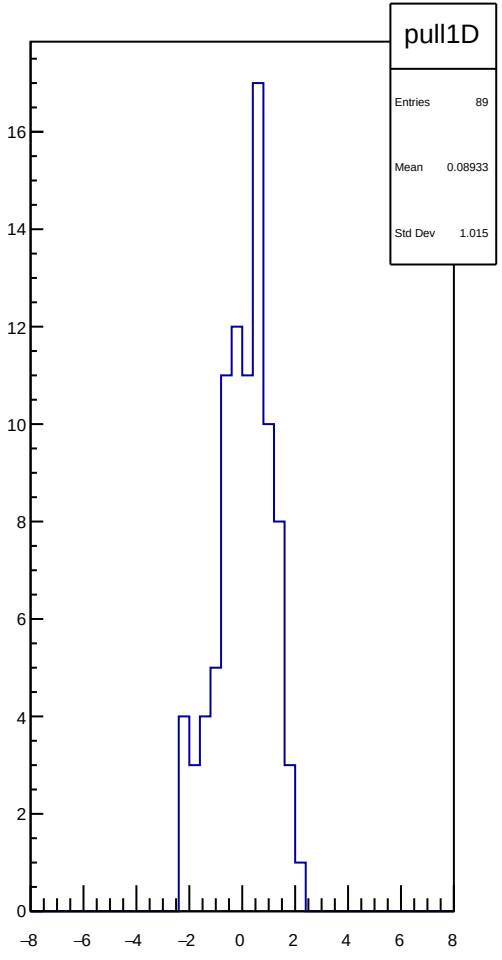

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 144.8 / 88
p0 −21.7 ± 0.2011
pull
Entries 89
Mean 12.95
Std Dev 21.38

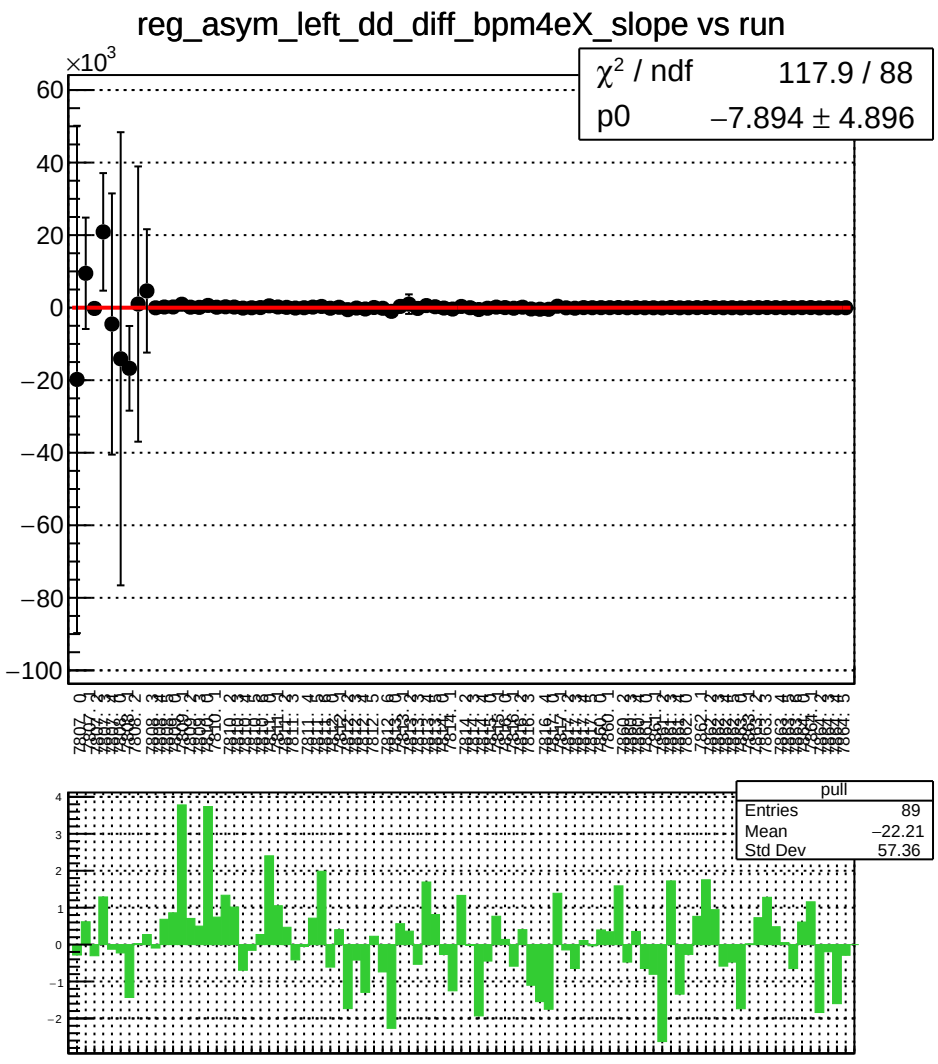

pull1D
Entries 89
Mean 0.1912
Std Dev 1.261

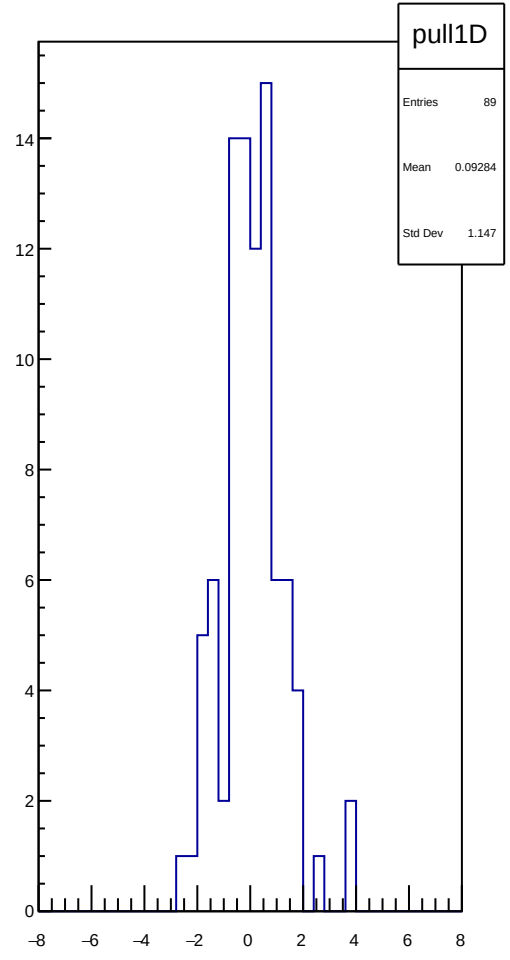

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 120.4 / 88
p0 −24.09 ± 5.595
×10³
pull
Entries 89
Mean −21.25
Std Dev 56.4

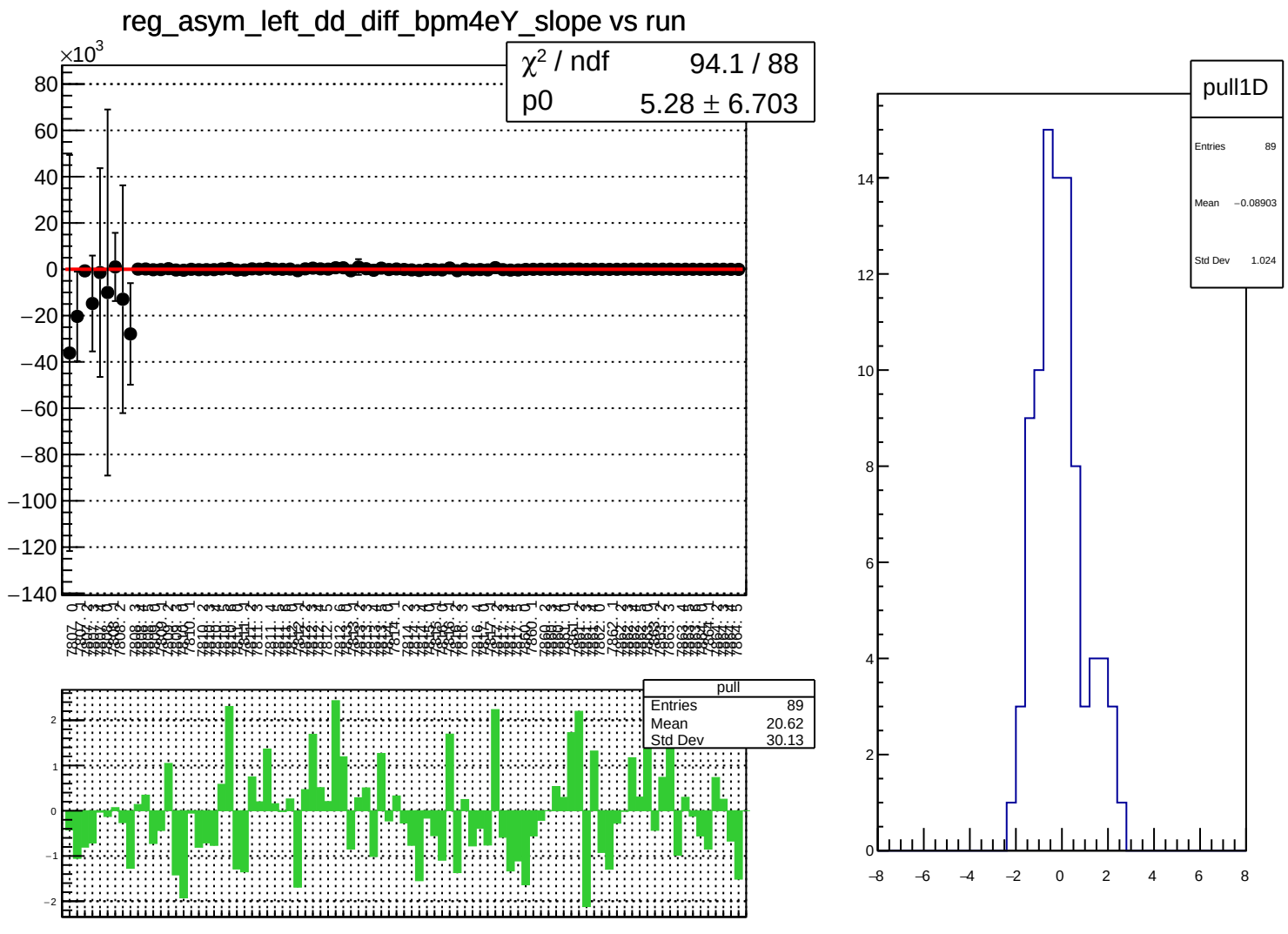

pull1D
Entries 89
Mean −0.09528
Std Dev 1.159

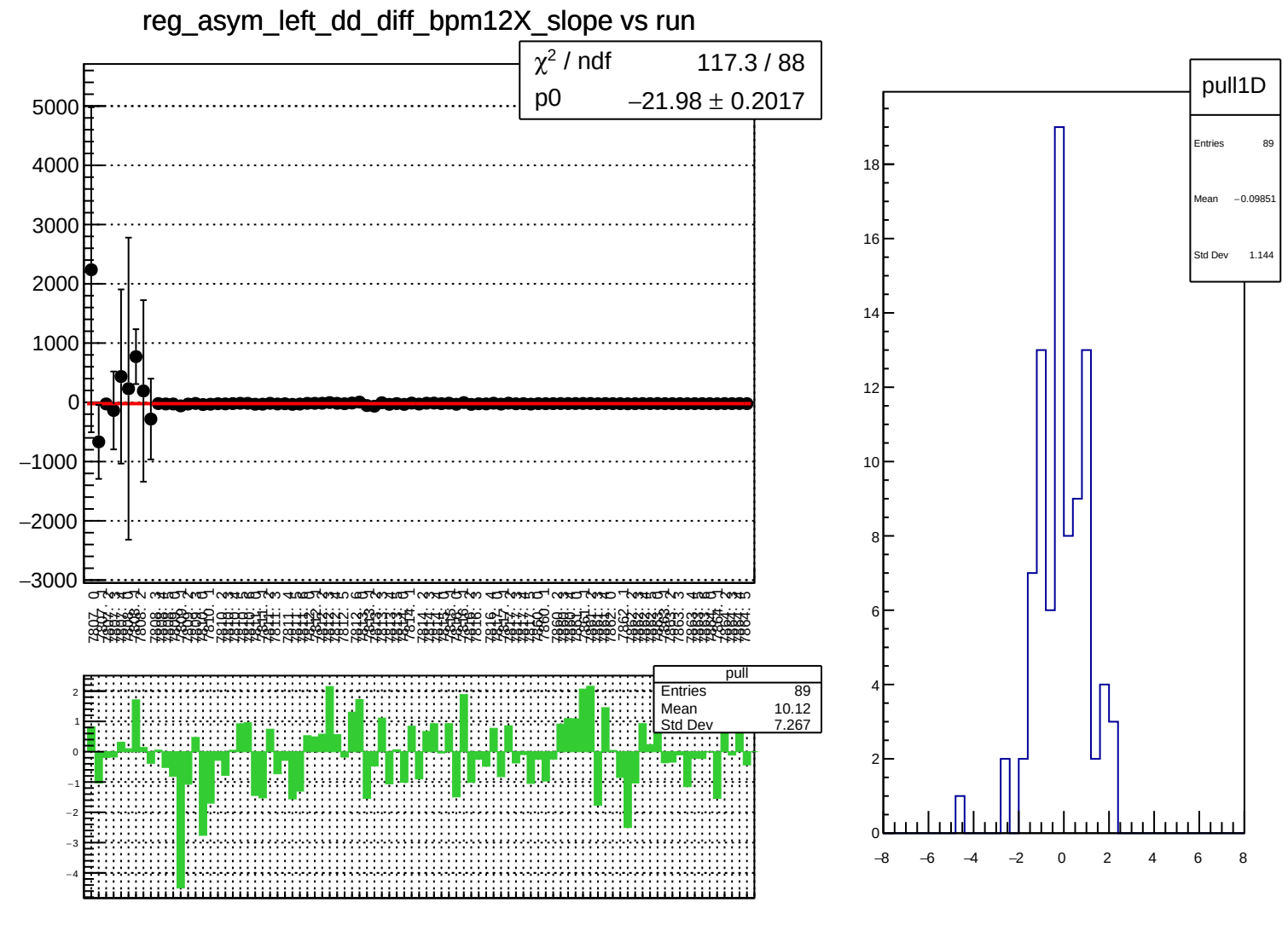

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 92.47 / 88
p0 9.829 ± 5.807
pull
Entries 89
Mean 17.31
Std Dev 26.83

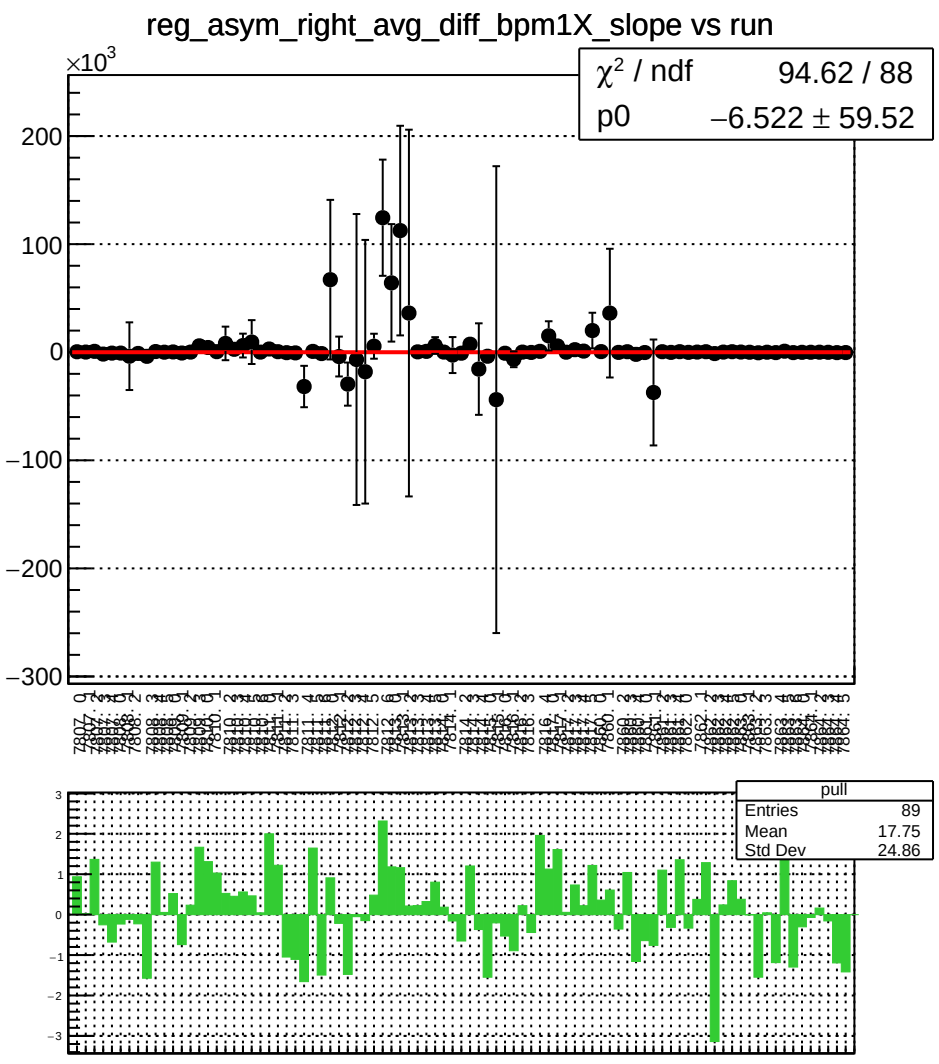

pull1D
Entries 89
Mean 0.08933
Std Dev 1.015

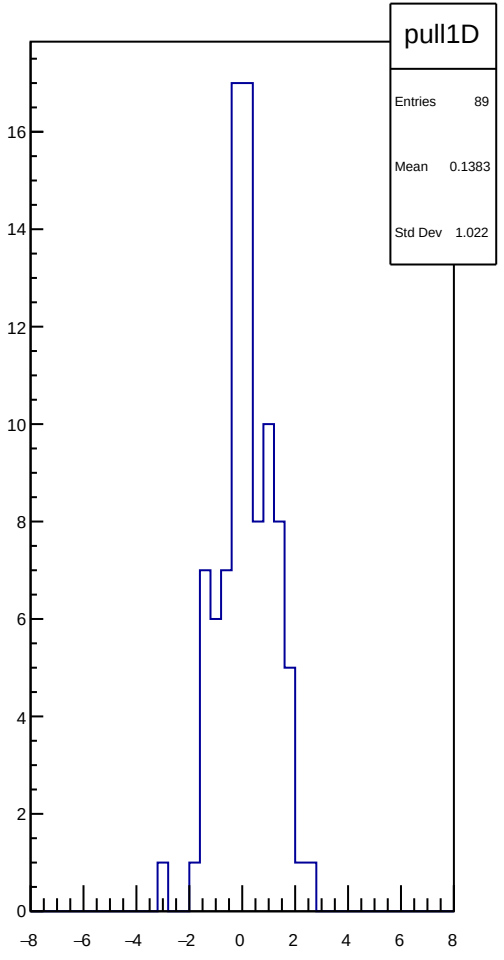

reg_asym_left_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 117.9 / 88
p0 −7.894 ± 4.896
pull
Entries 89
Mean −22.21
Std Dev 57.36

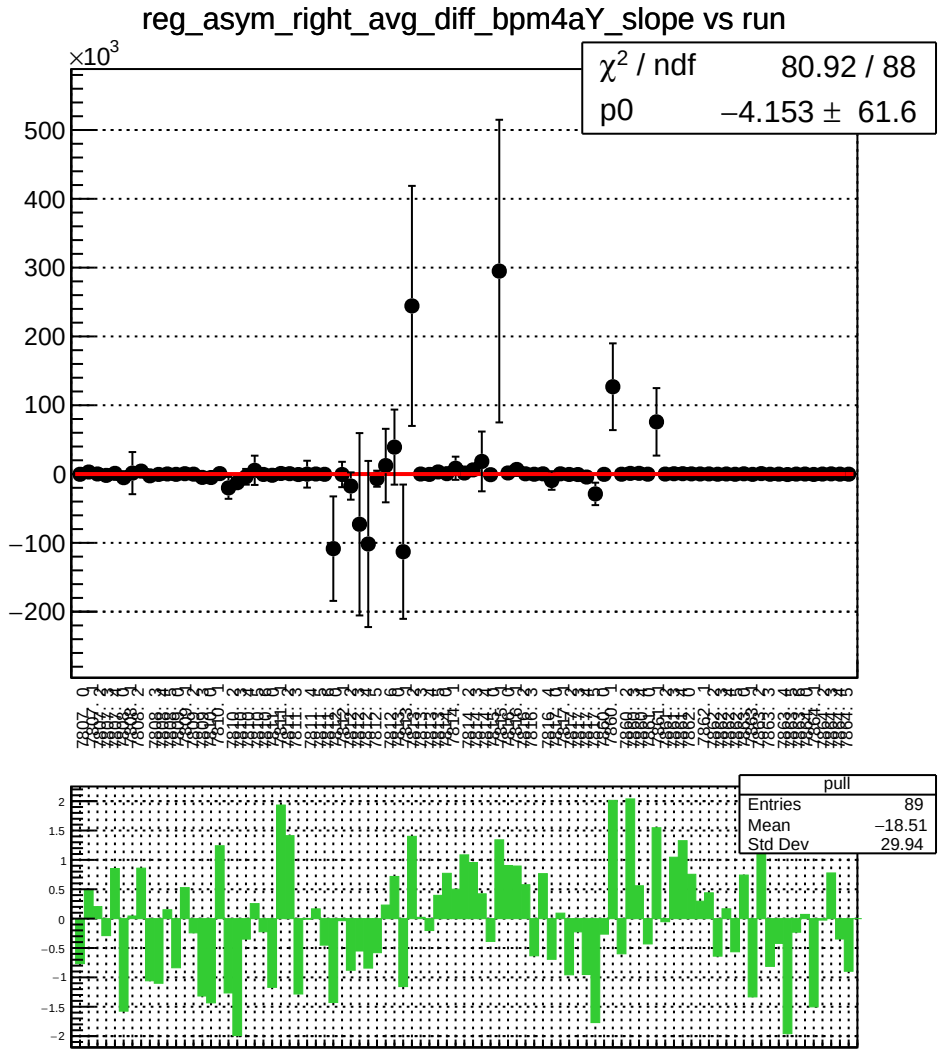

pull1D
Entries 89
Mean 0.09284
Std Dev 1.147

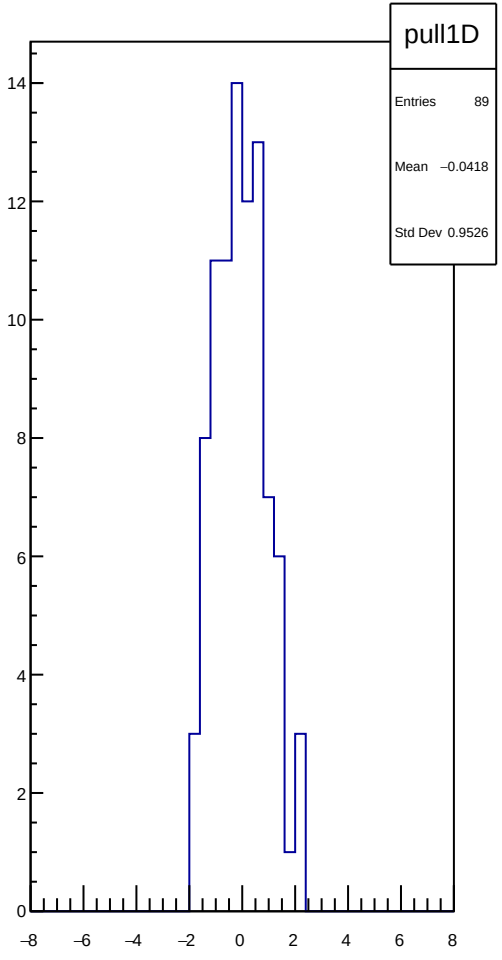

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 94.1 / 88
p0 5.28 ± 6.703
pull
Entries 89
Mean 20.62
Std Dev 30.13
pull1D
Entries 89
Mean −0.08903
Std Dev 1.024

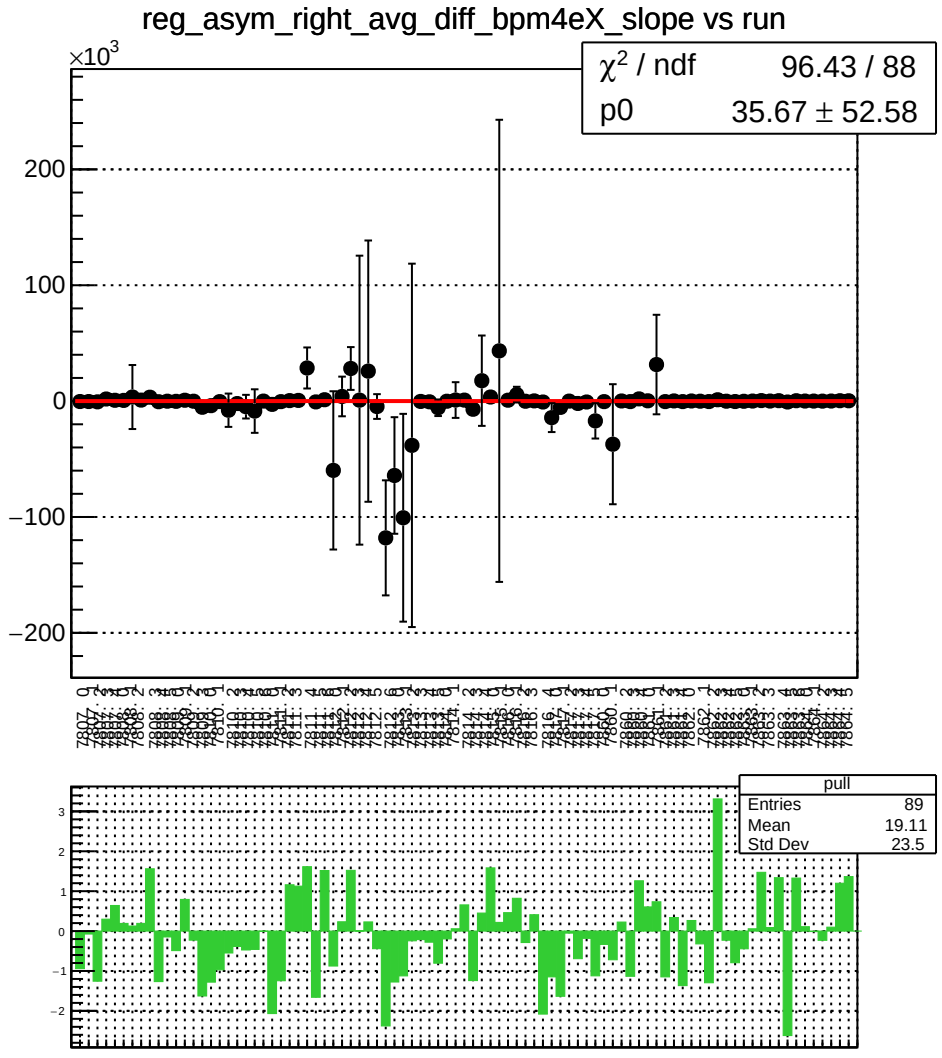

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 117.3 / 88
p0 −21.98 ± 0.2017
pull
Entries 89
Mean 10.12
Std Dev 7.267
pull1D
Entries 89
Mean −0.09851
Std Dev 1.144

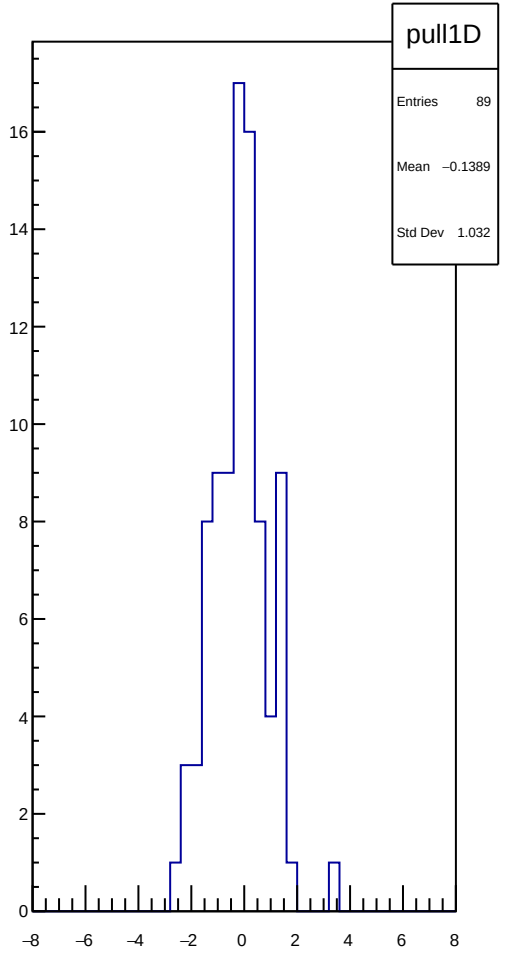

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 94.62 / 88
p0 −6.522 ± 59.52
200
100
0
−100
−200
−300
pull
Entries 89
Mean 17.75
Std Dev 24.86
3
2
1
0
−1
−2
−3

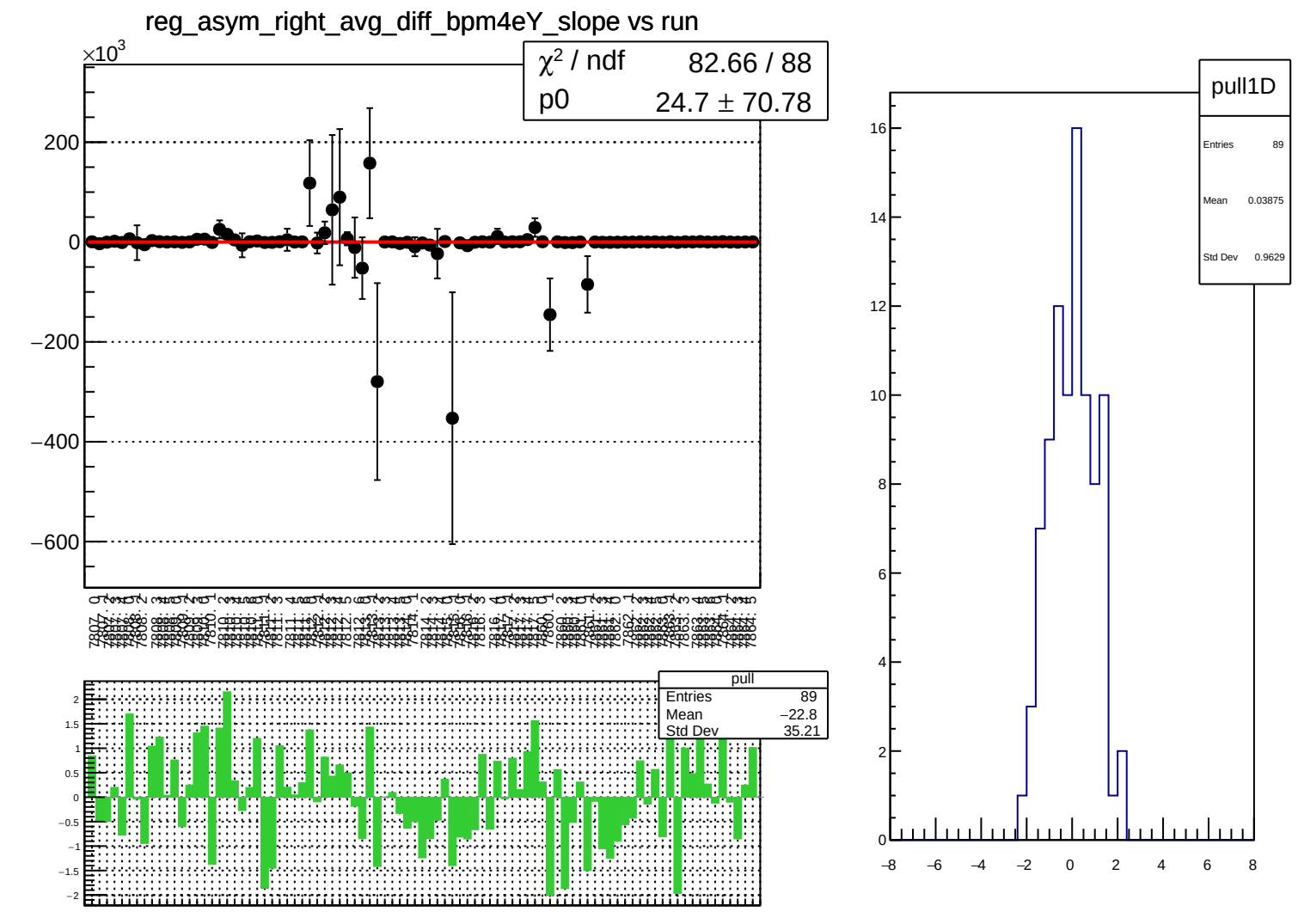

pull1D
Entries 89
Mean 0.1383
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

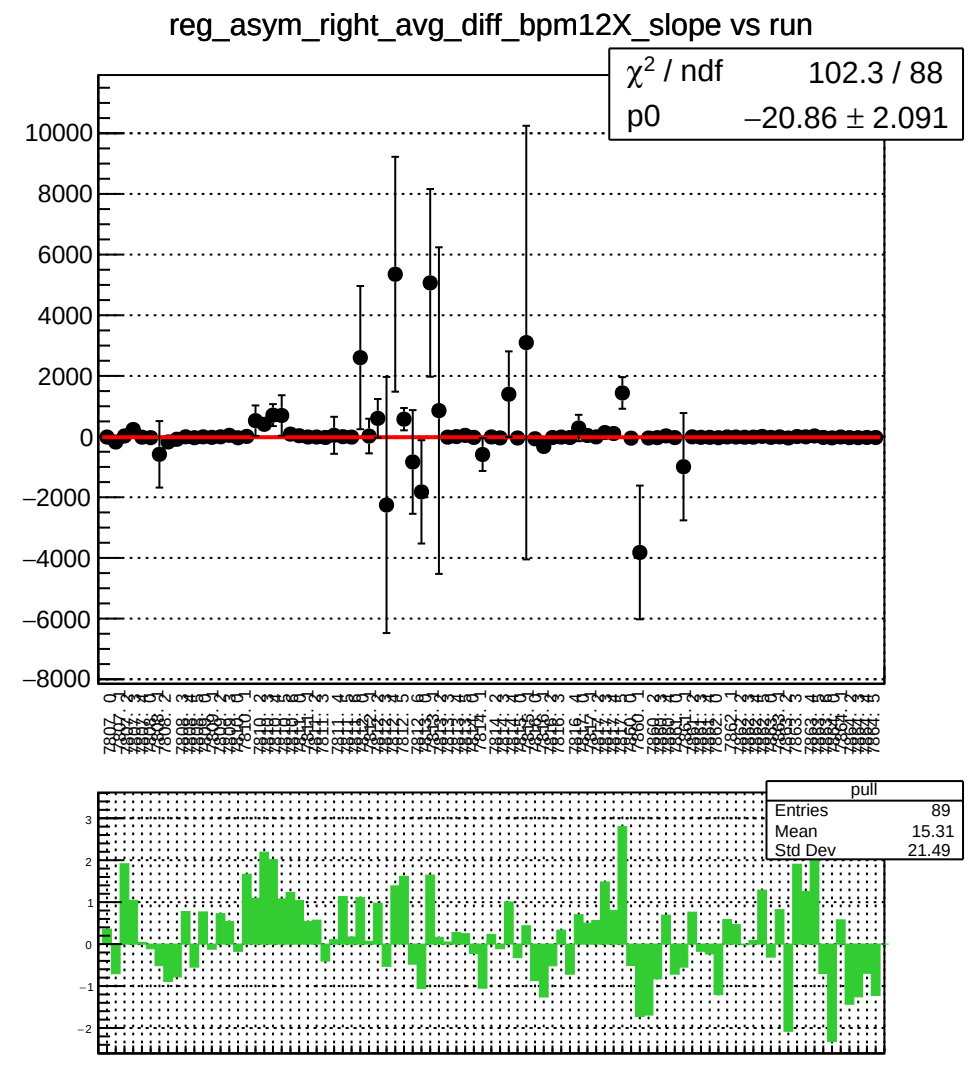

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 80.92 / 88
p0 −4.153 ± 61.6
500
400
300
200
100
0
−100
−200
pull
Entries 89
Mean −18.51
Std Dev 29.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

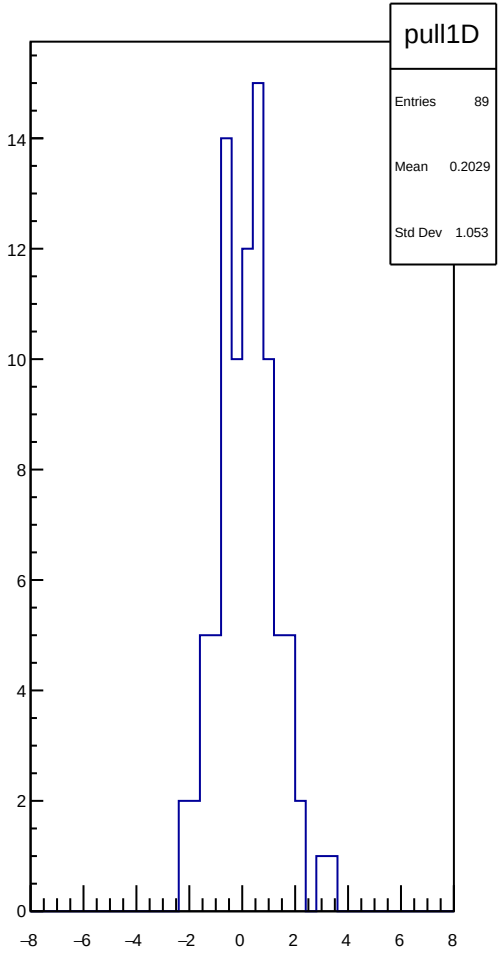

pull1D
Entries 89
Mean −0.0418
Std Dev 0.9526
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

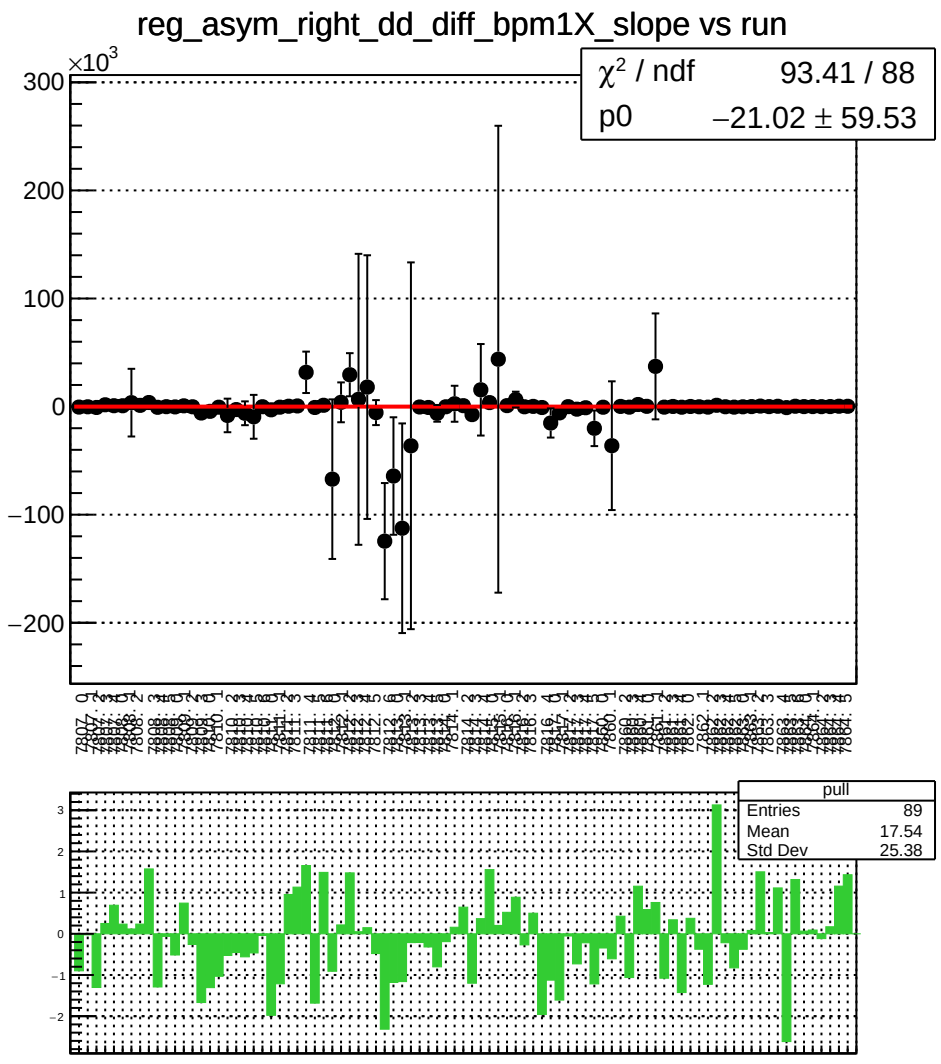

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 96.43 / 88
p0 35.67 ± 52.58
×10³
pull
Entries 89
Mean 19.11
Std Dev 23.5

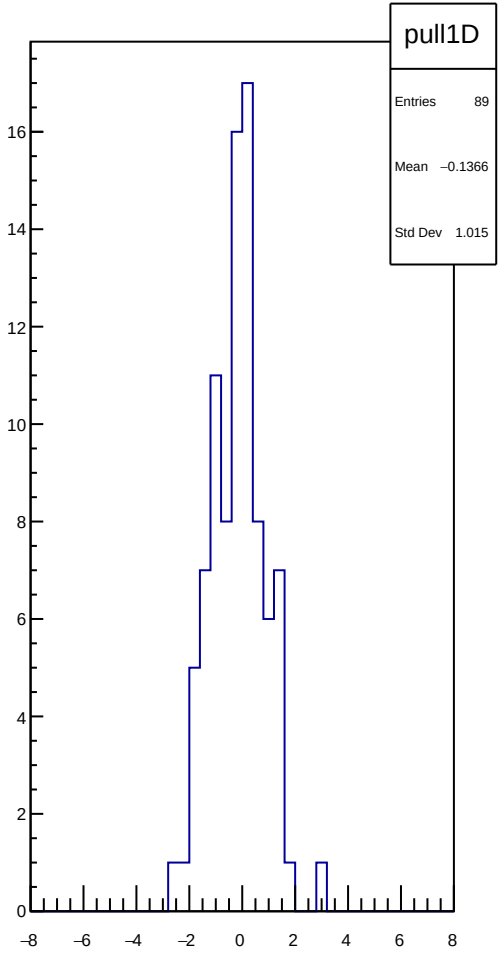

pull1D
Entries 89
Mean −0.1389
Std Dev 1.032

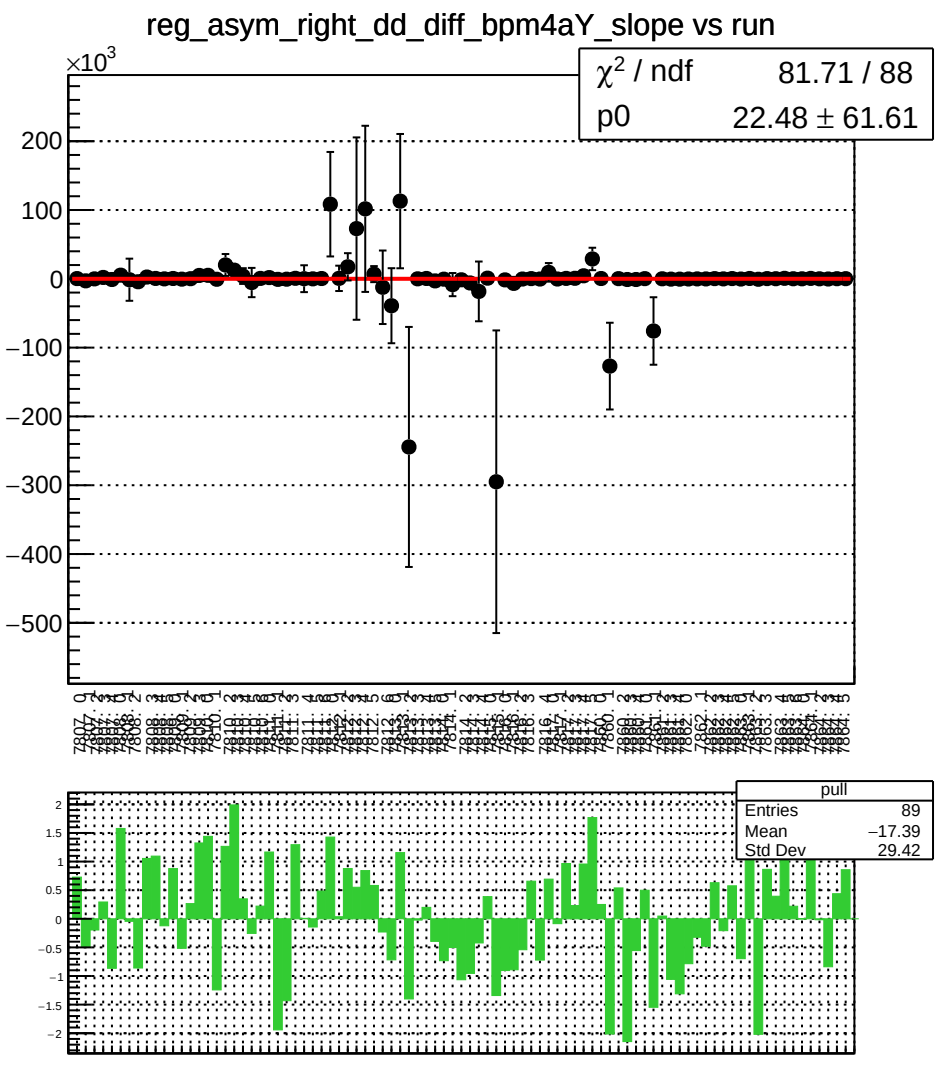

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.66 / 88
p0 24.7 ± 70.78
×10³
200
0
−200
−400
−600
pull
Entries 89
Mean −22.8
Std Dev 35.21
pull1D
Entries 89
Mean 0.03875
Std Dev 0.9629

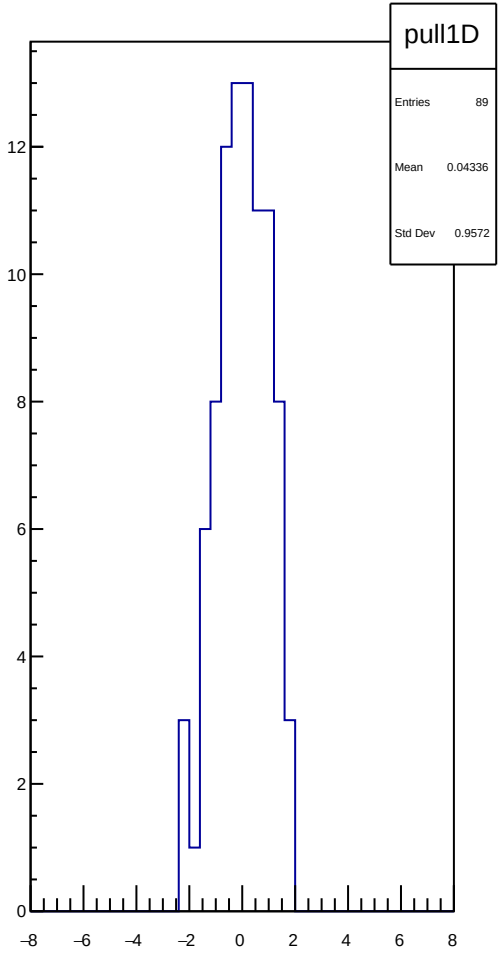

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 102.3 / 88
p0 −20.86 ± 2.091
pull
Entries 89
Mean 15.31
Std Dev 21.49

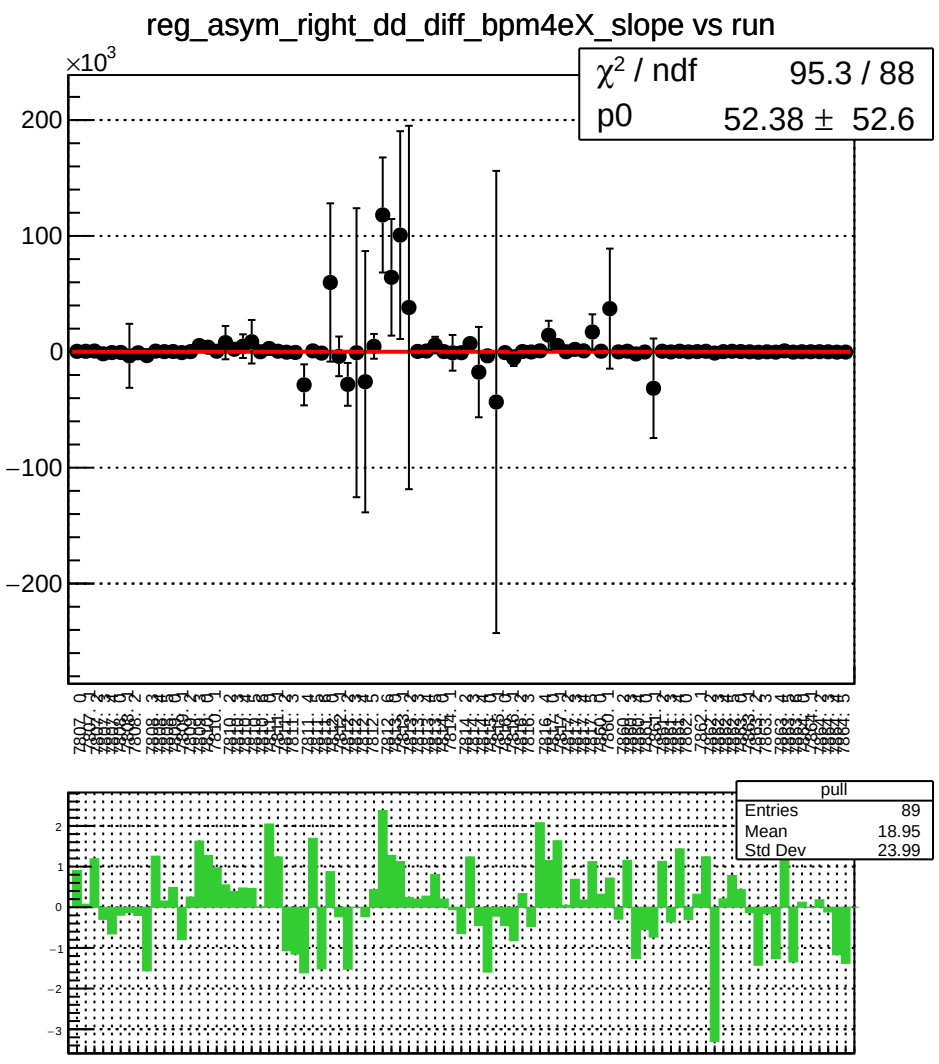

pull1D
Entries 89
Mean 0.2029
Std Dev 1.053

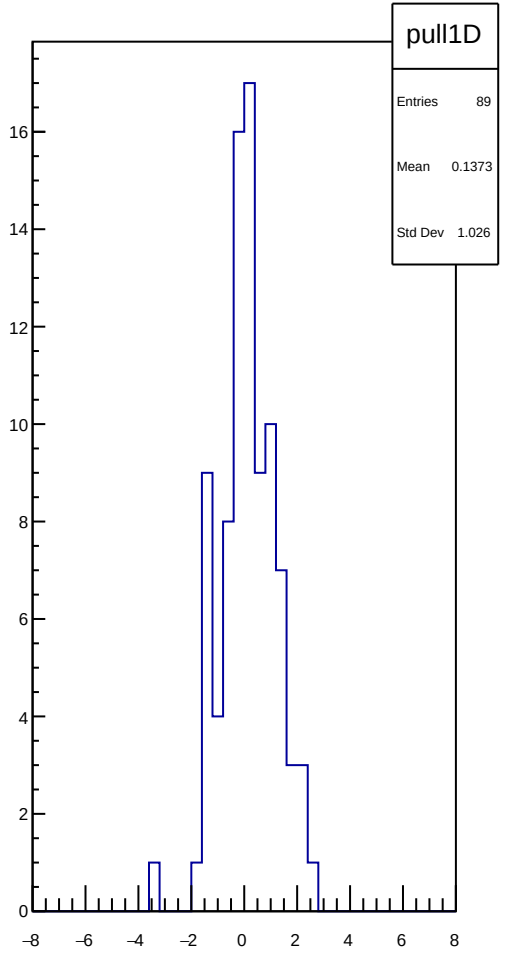

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 93.41 / 88
p0 −21.02 ± 59.53
pull
Entries 89
Mean 17.54
Std Dev 25.38

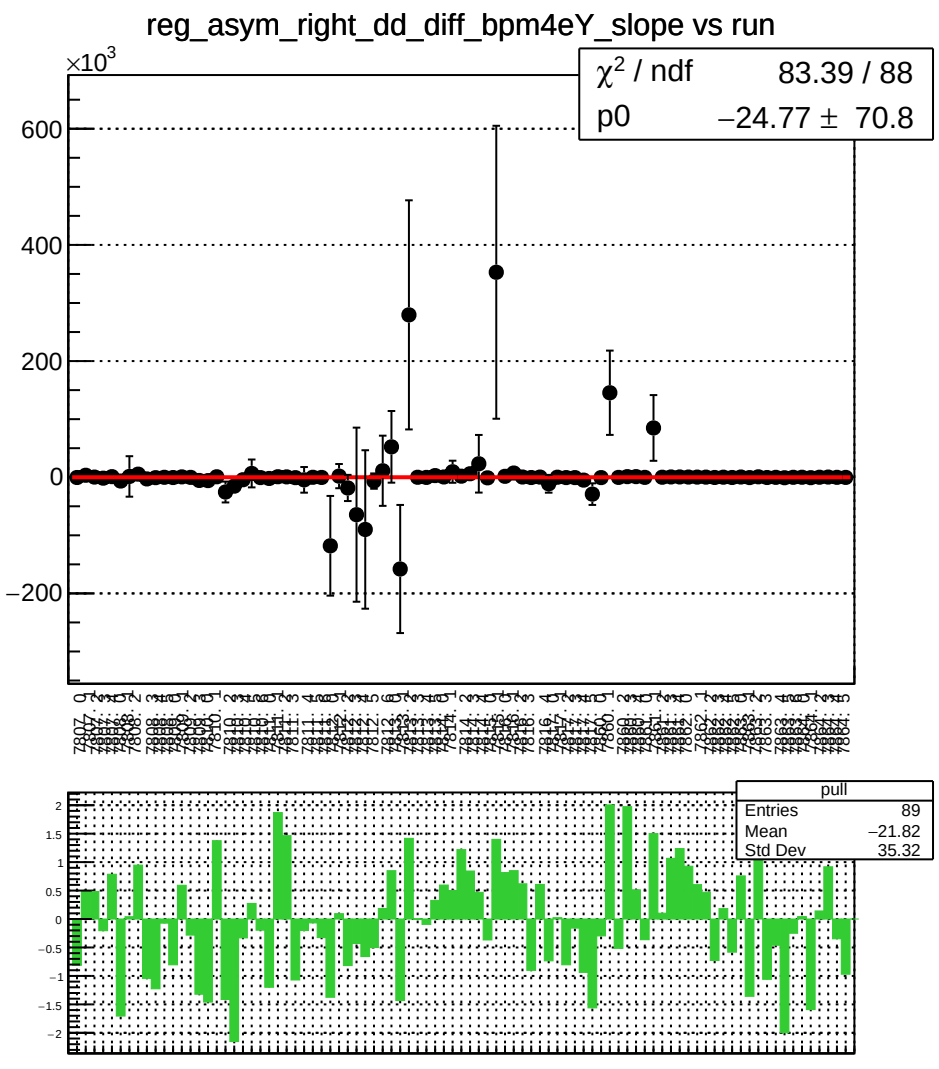

pull1D
Entries 89
Mean −0.1366
Std Dev 1.015

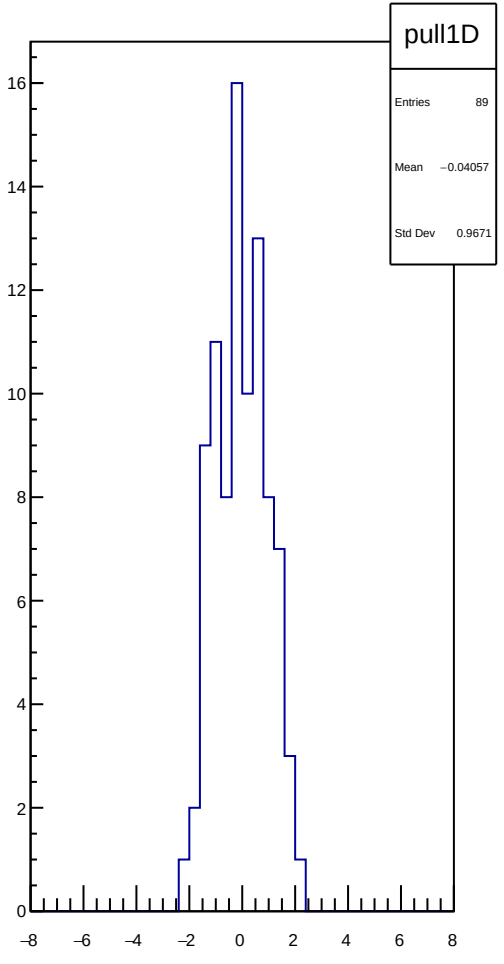

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 81.71 / 88
p0 22.48 ± 61.61
200
100
0
−100
−200
−300
−400
−500
pull
Entries 89
Mean −17.39
Std Dev 29.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

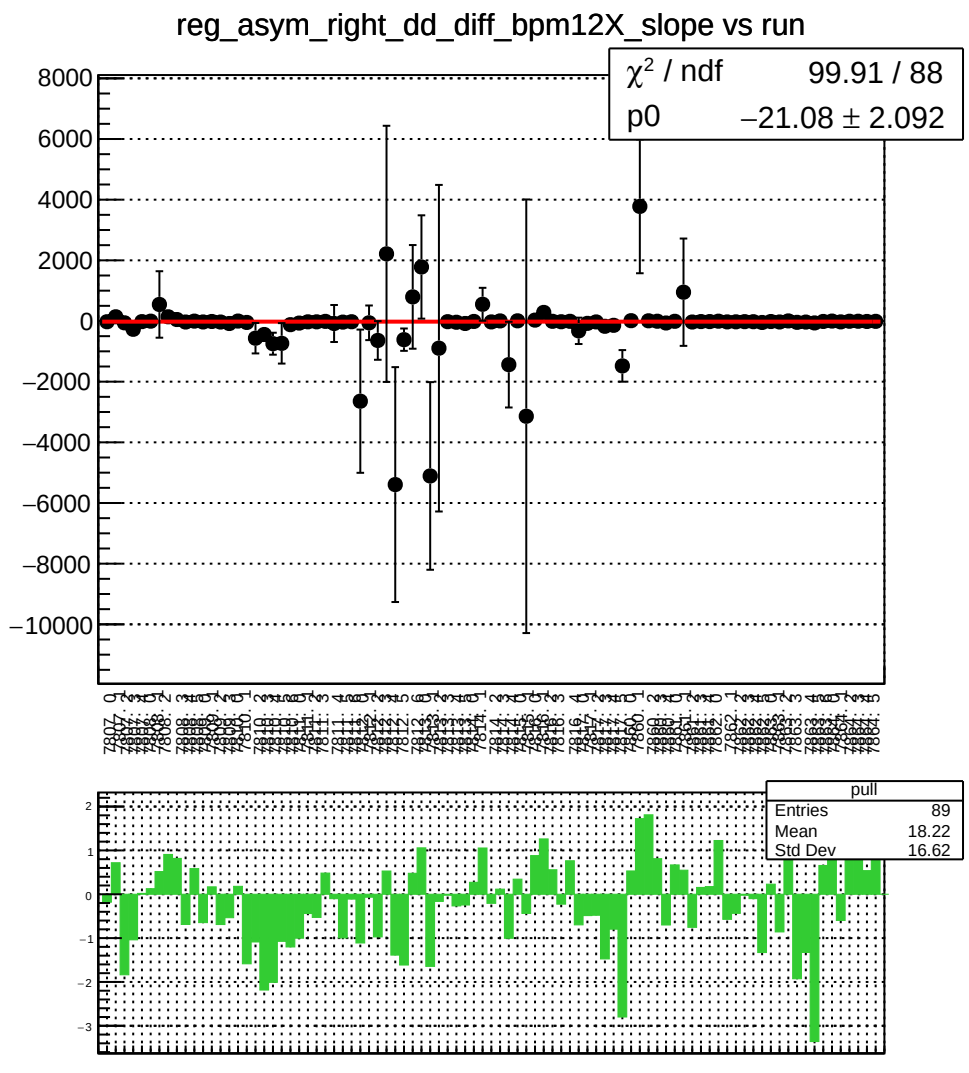

pull1D
Entries 89
Mean 0.04336
Std Dev 0.9572
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

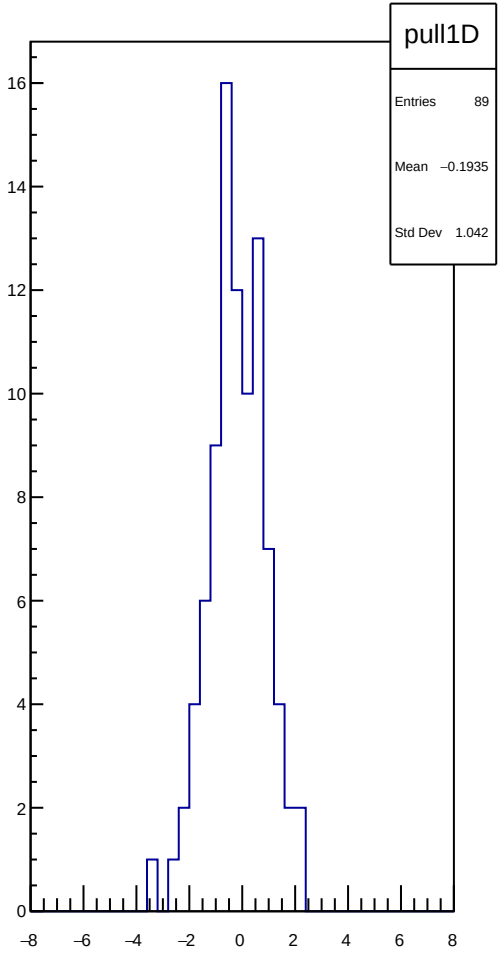

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 95.3 / 88
p0 52.38 ± 52.6
×10³
200
100
0
−100
−200
pull
Entries 89
Mean 18.95
Std Dev 23.99
2
1
0
−1
−2
−3

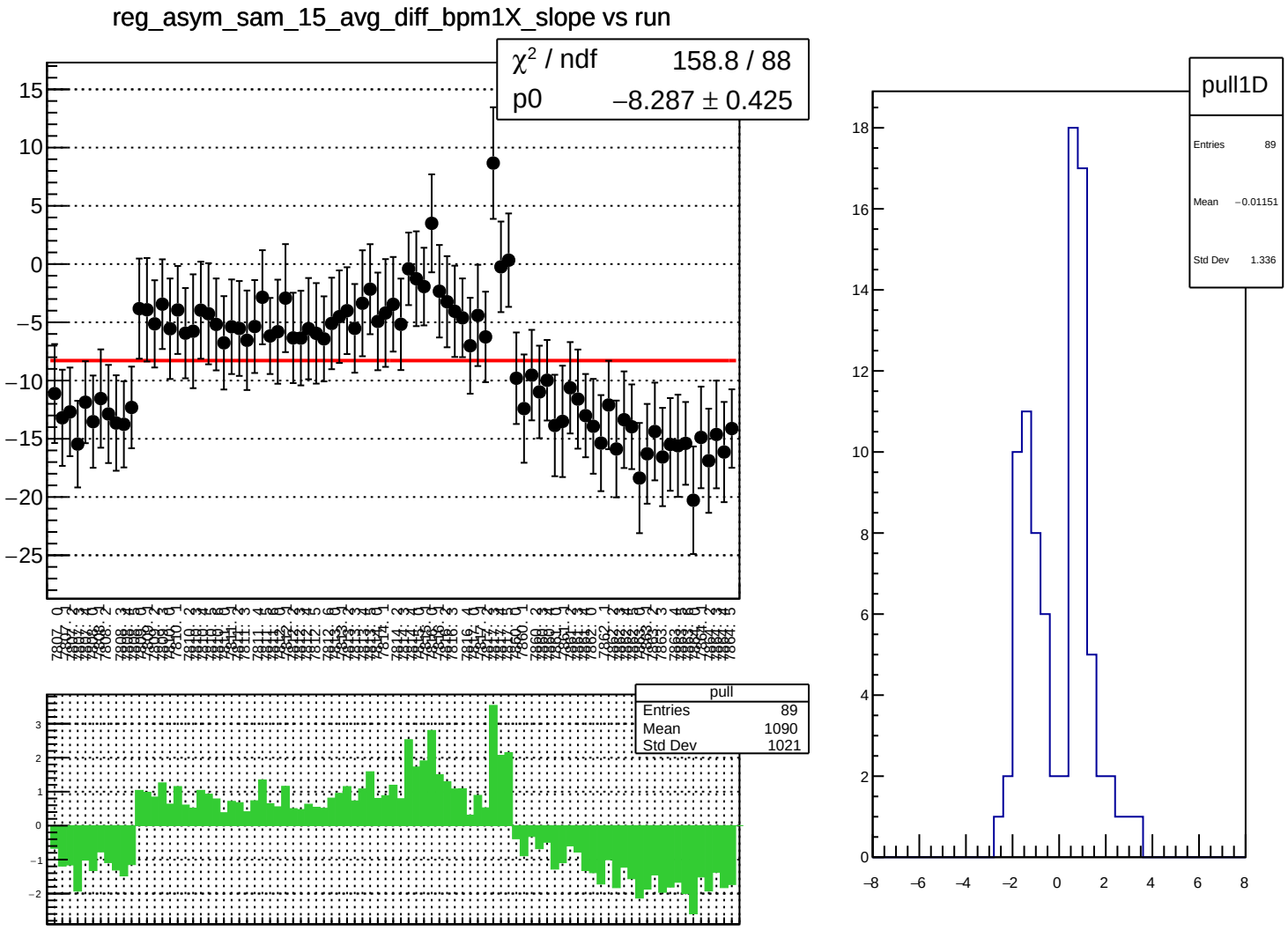

pull1D
Entries 89
Mean 0.1373
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

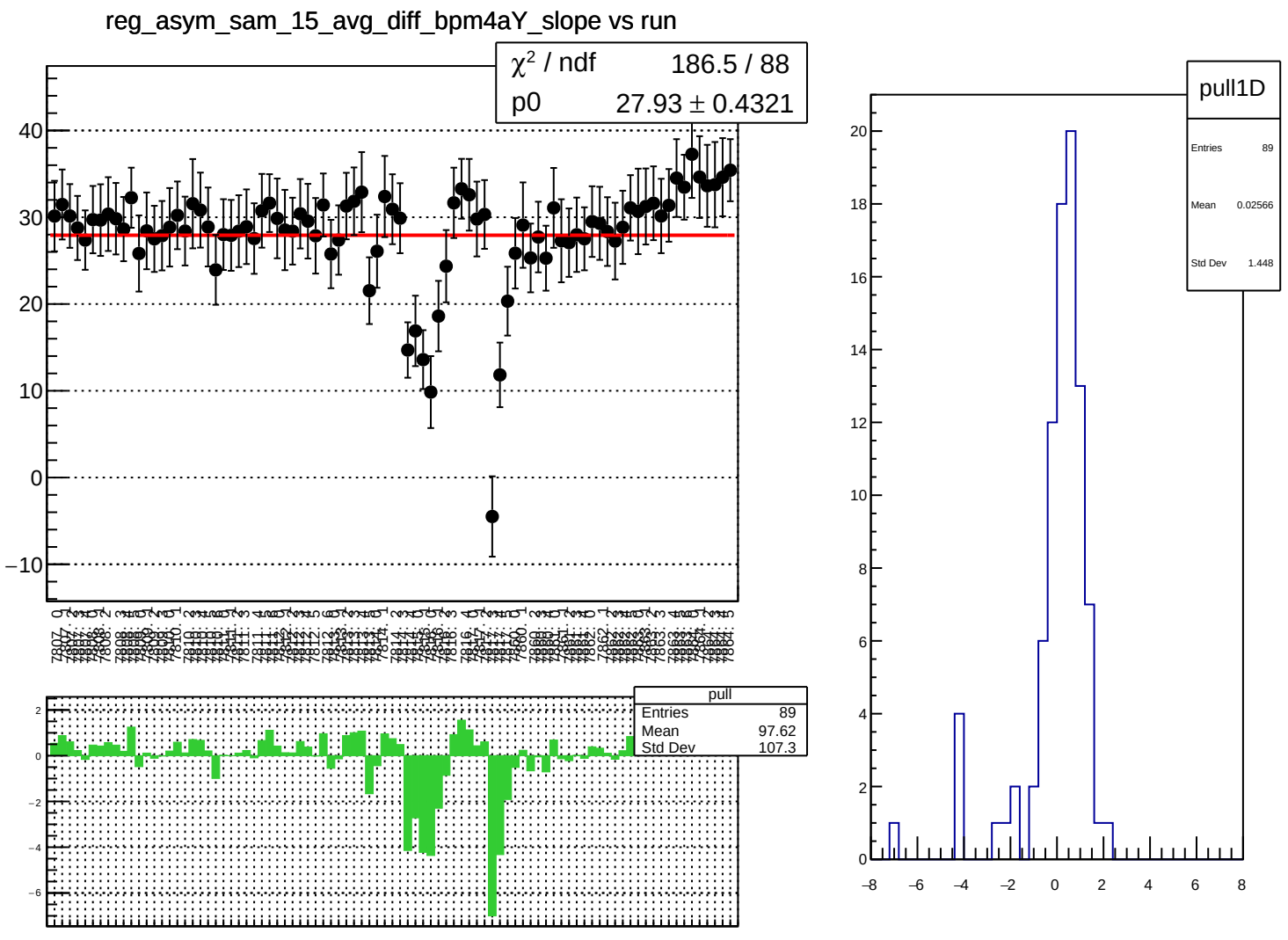

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 83.39 / 88
p0 −24.77 ± 70.8
600
400
200
0
−200
pull
Entries 89
Mean −21.82
Std Dev 35.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

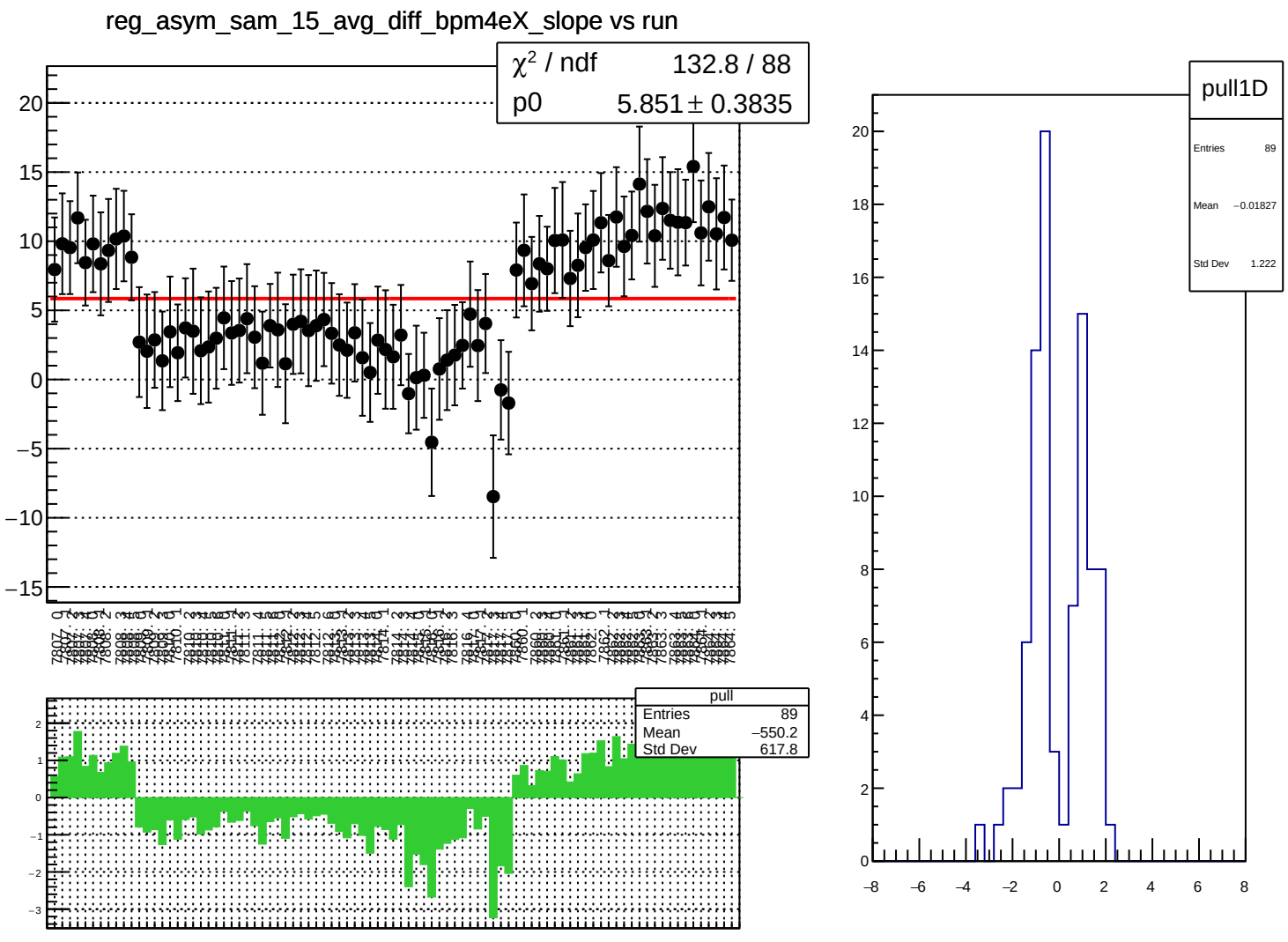

pull1D
Entries 89
Mean −0.04057
Std Dev 0.9671
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

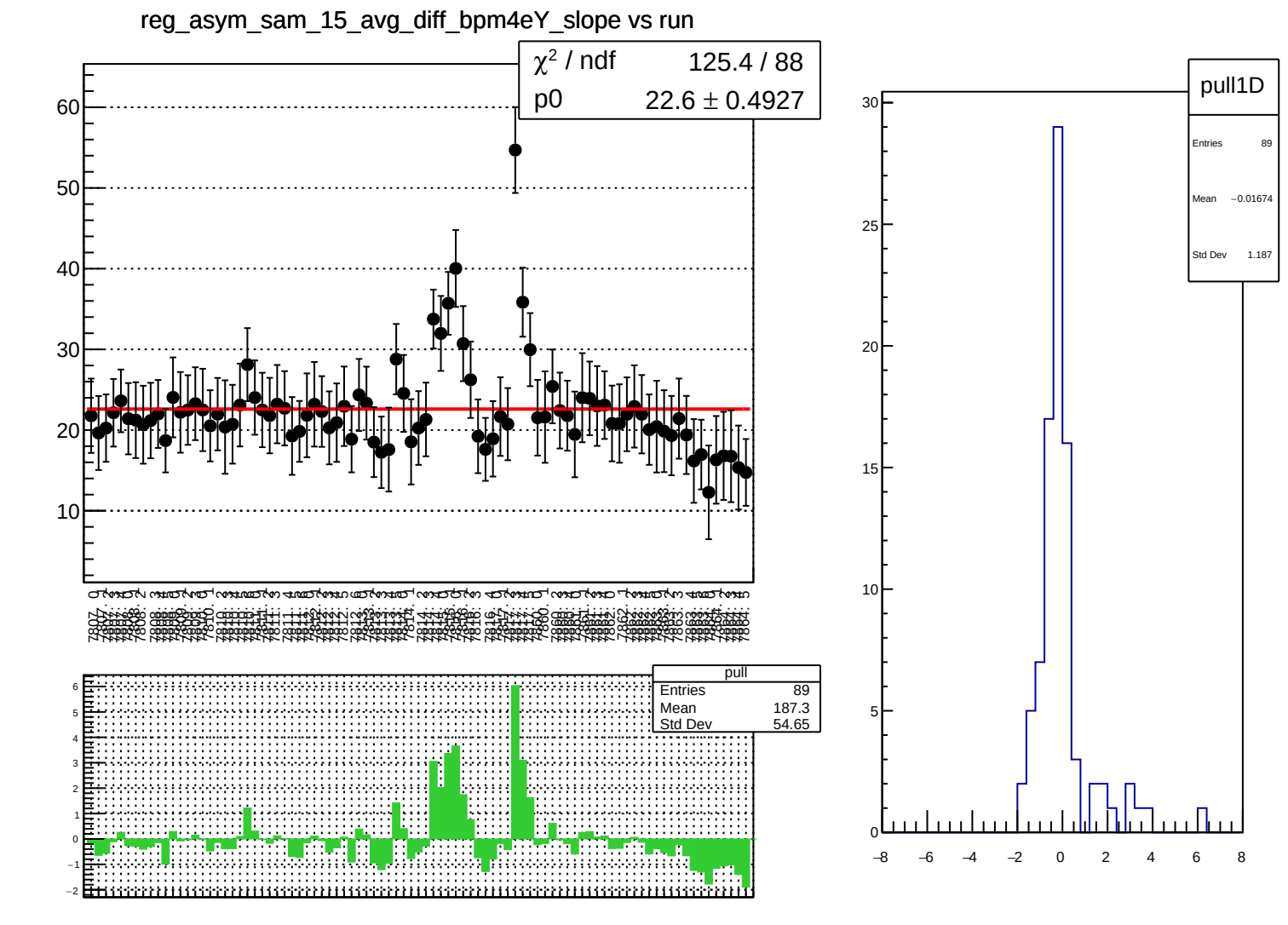

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 99.91 / 88
p0 −21.08 ± 2.092
pull
Entries 89
Mean 18.22
Std Dev 16.62

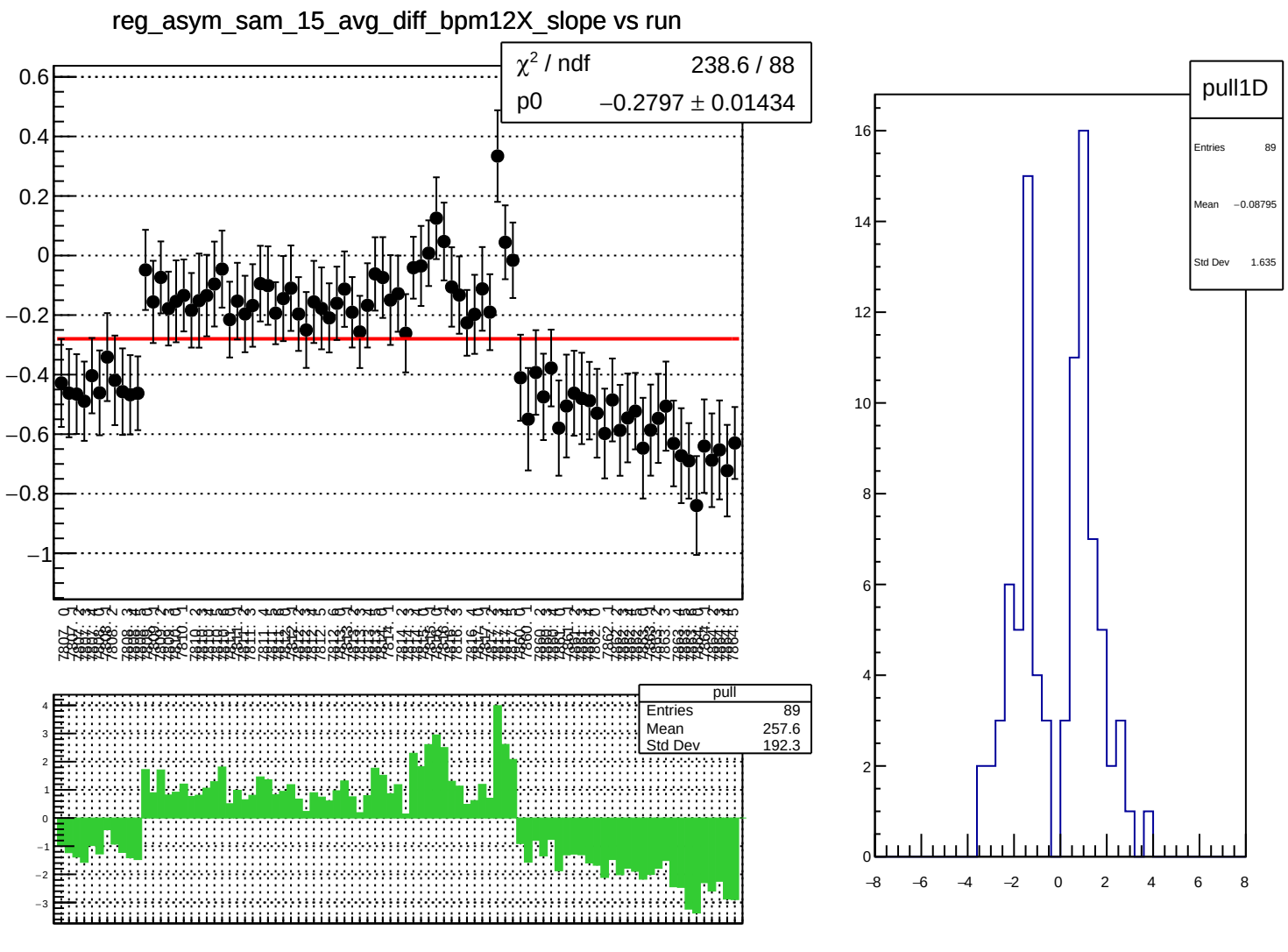

pull1D
Entries 89
Mean −0.1935
Std Dev 1.042

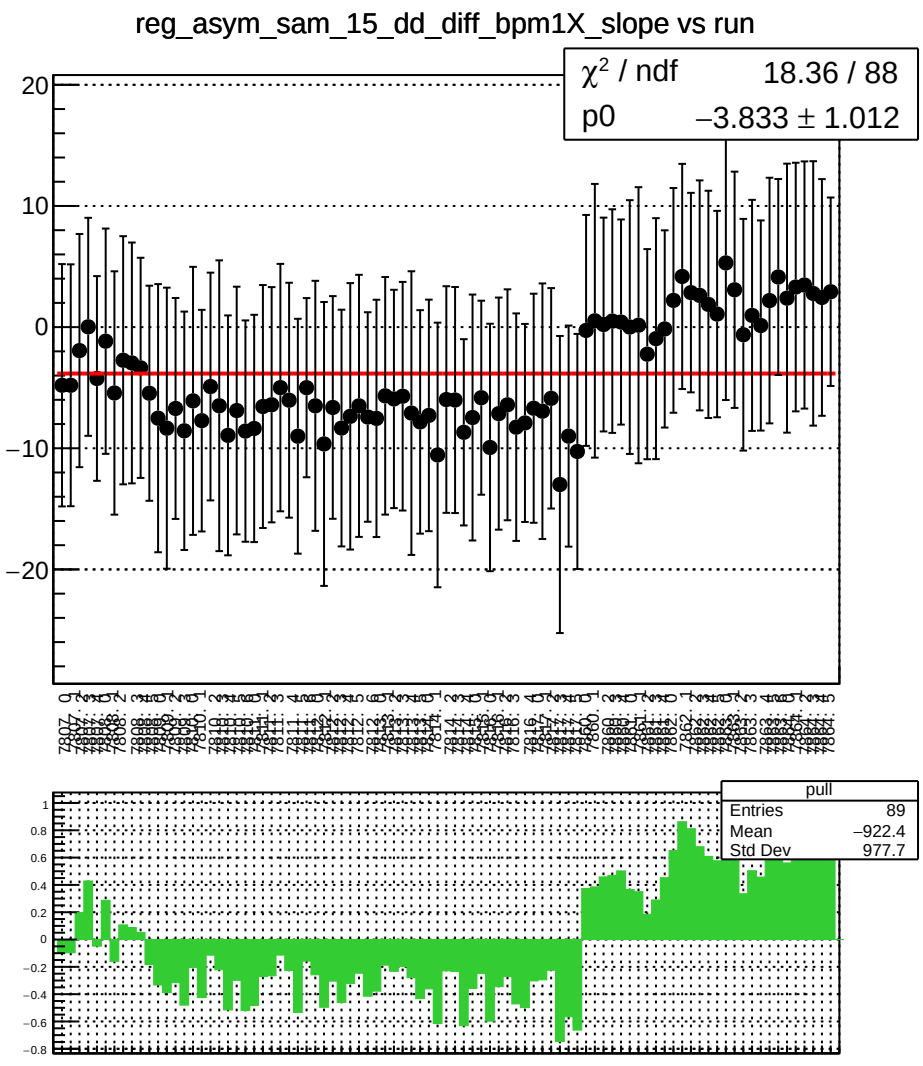

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 158.8 / 88
p0 −8.287 ± 0.425
pull
Entries 89
Mean 1090
Std Dev 1021
pull1D
Entries 89
Mean −0.01151
Std Dev 1.336

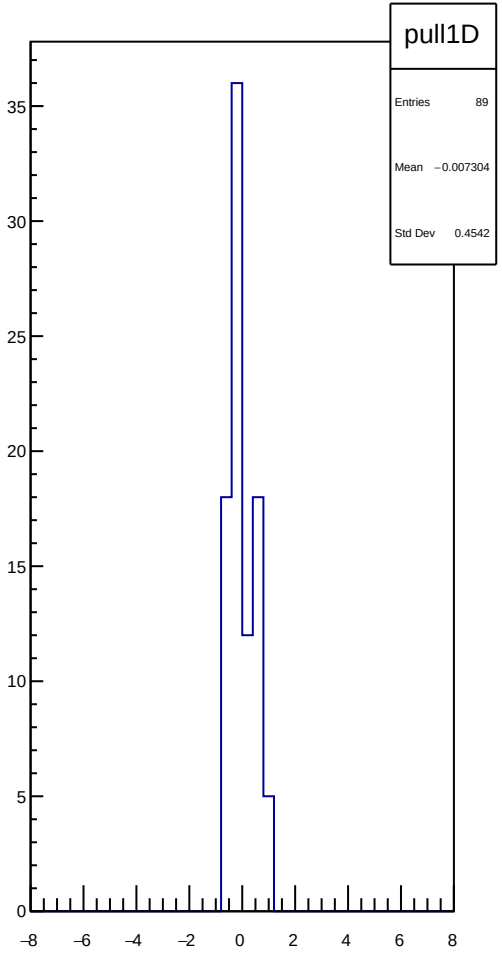

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 186.5 / 88
p0 27.93 ± 0.4321
pull
Entries 89
Mean 97.62
Std Dev 107.3
pull1D
Entries 89
Mean 0.02566
Std Dev 1.448

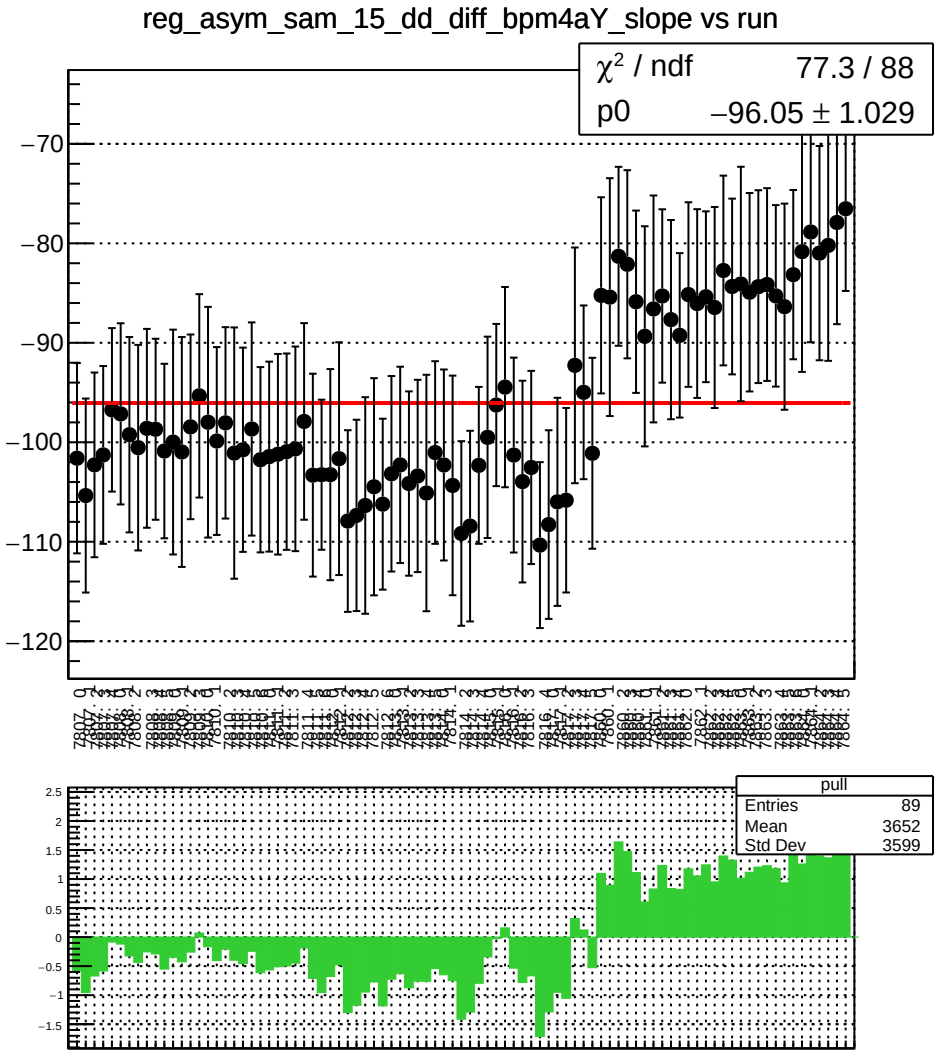

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 132.8 / 88
p0 5.851 ± 0.3835
pull
Entries 89
Mean −550.2
Std Dev 617.8
pull1D
Entries 89
Mean −0.01827
Std Dev 1.222

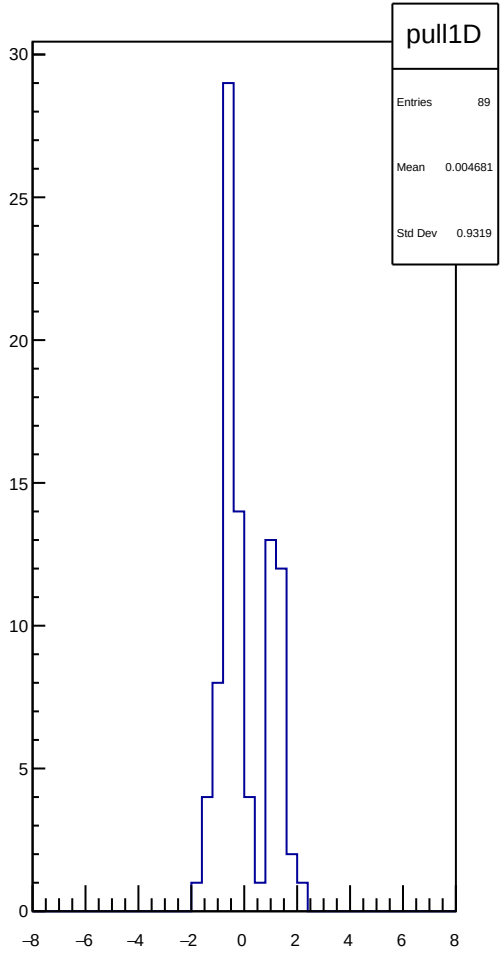

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 125.4 / 88
p0 22.6 ± 0.4927
pull
Entries 89
Mean 187.3
Std Dev 54.65
pull1D
Entries 89
Mean −0.01674
Std Dev 1.187

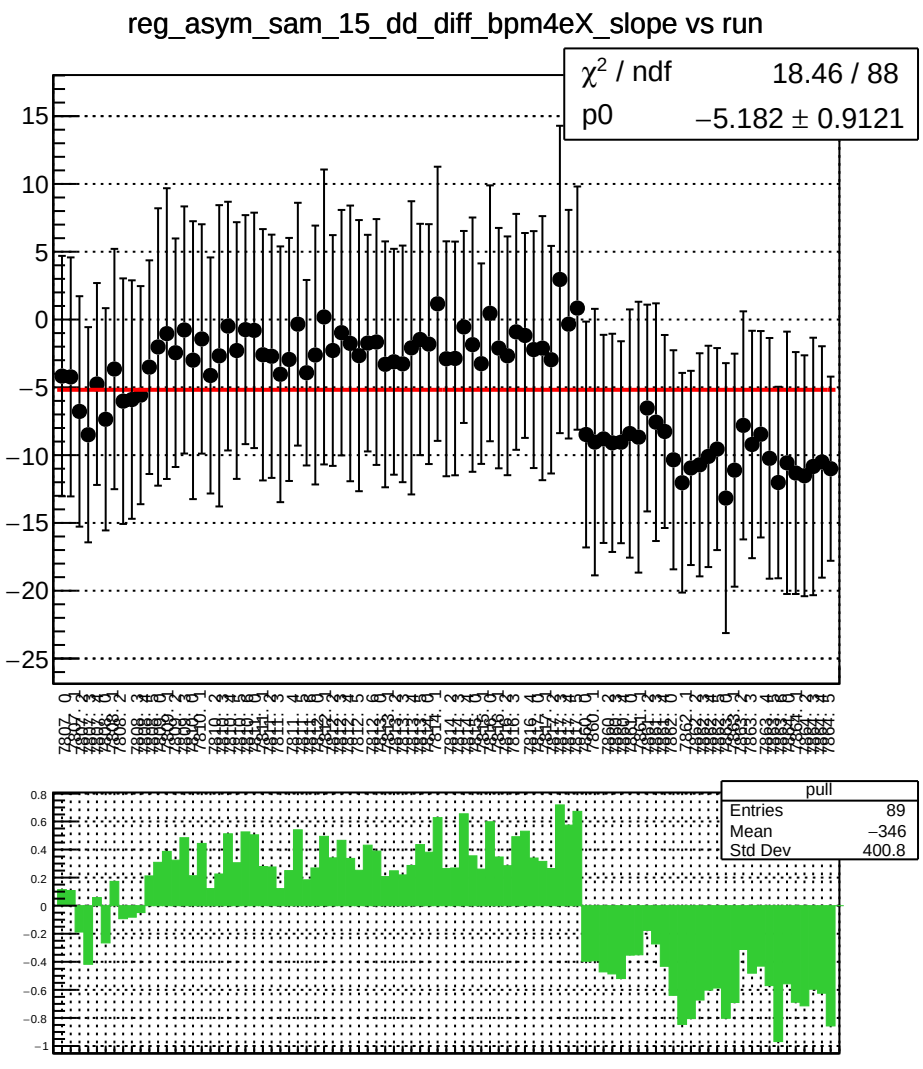

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 238.6 / 88
p0 −0.2797 ± 0.01434
pull
Entries 89
Mean 257.6
Std Dev 192.3
pull1D
Entries 89
Mean −0.08795
Std Dev 1.635

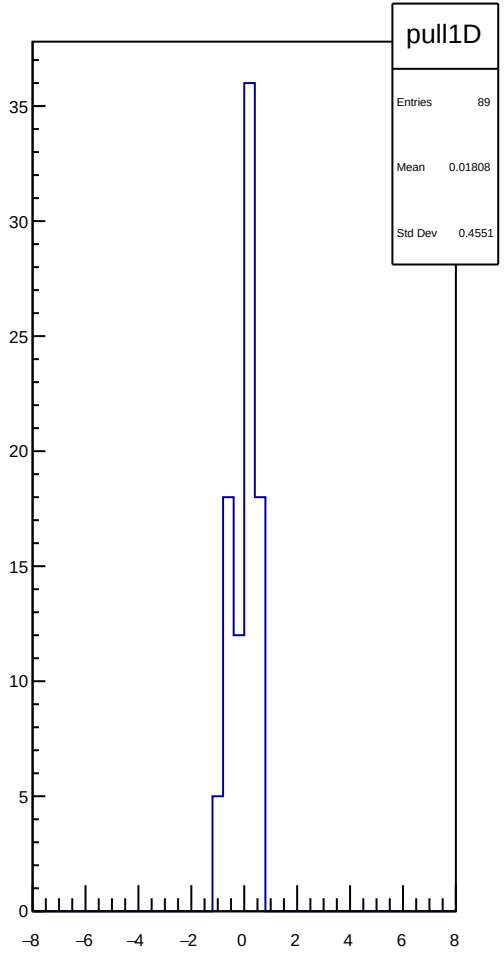

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 18.36 / 88
p0 −3.833 ± 1.012
pull
Entries 89
Mean −922.4
Std Dev 977.7

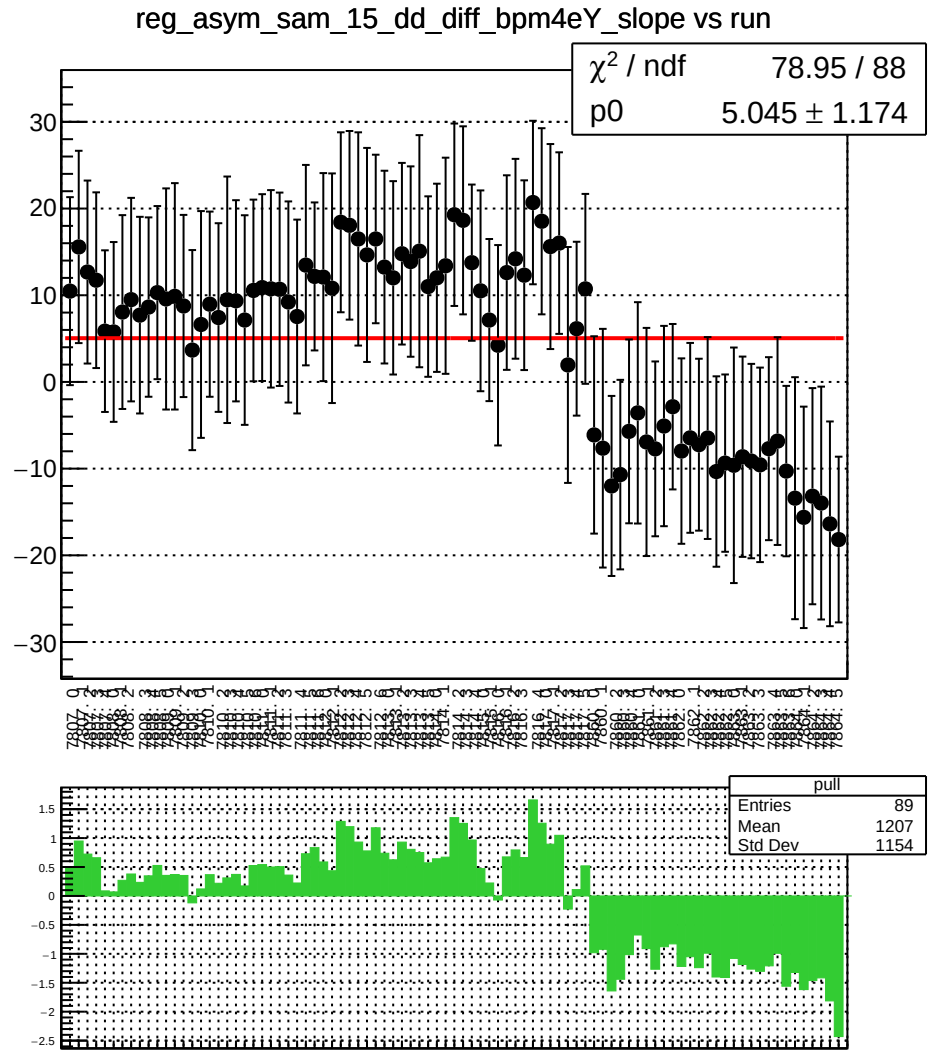

pull1D
Entries 89
Mean −0.007304
Std Dev 0.4542

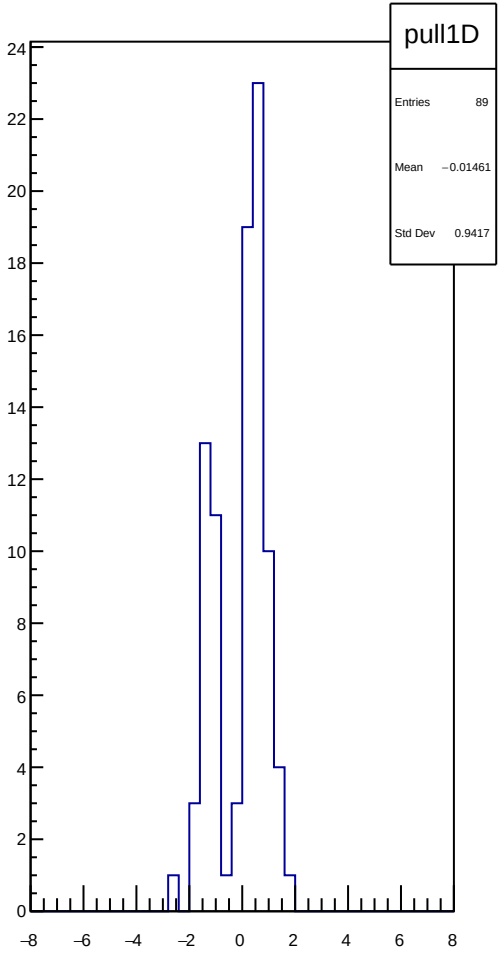

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.3 / 88
p0 −96.05 ± 1.029
−70
−80
−90
−100
−110
−120
pull
Entries 89
Mean 3652
Std Dev 3599
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

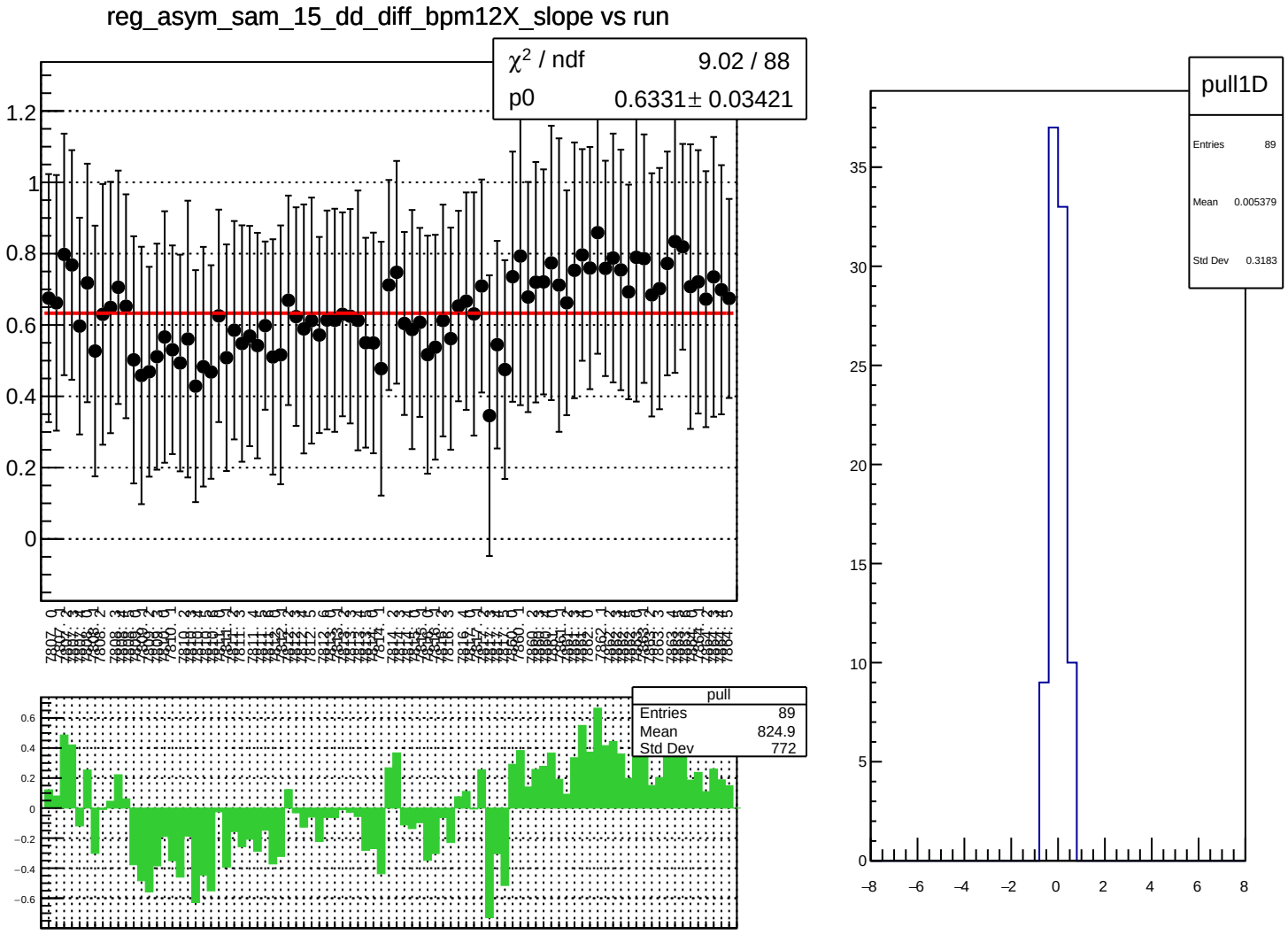

pull1D
Entries 89
Mean 0.004681
Std Dev 0.9319
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

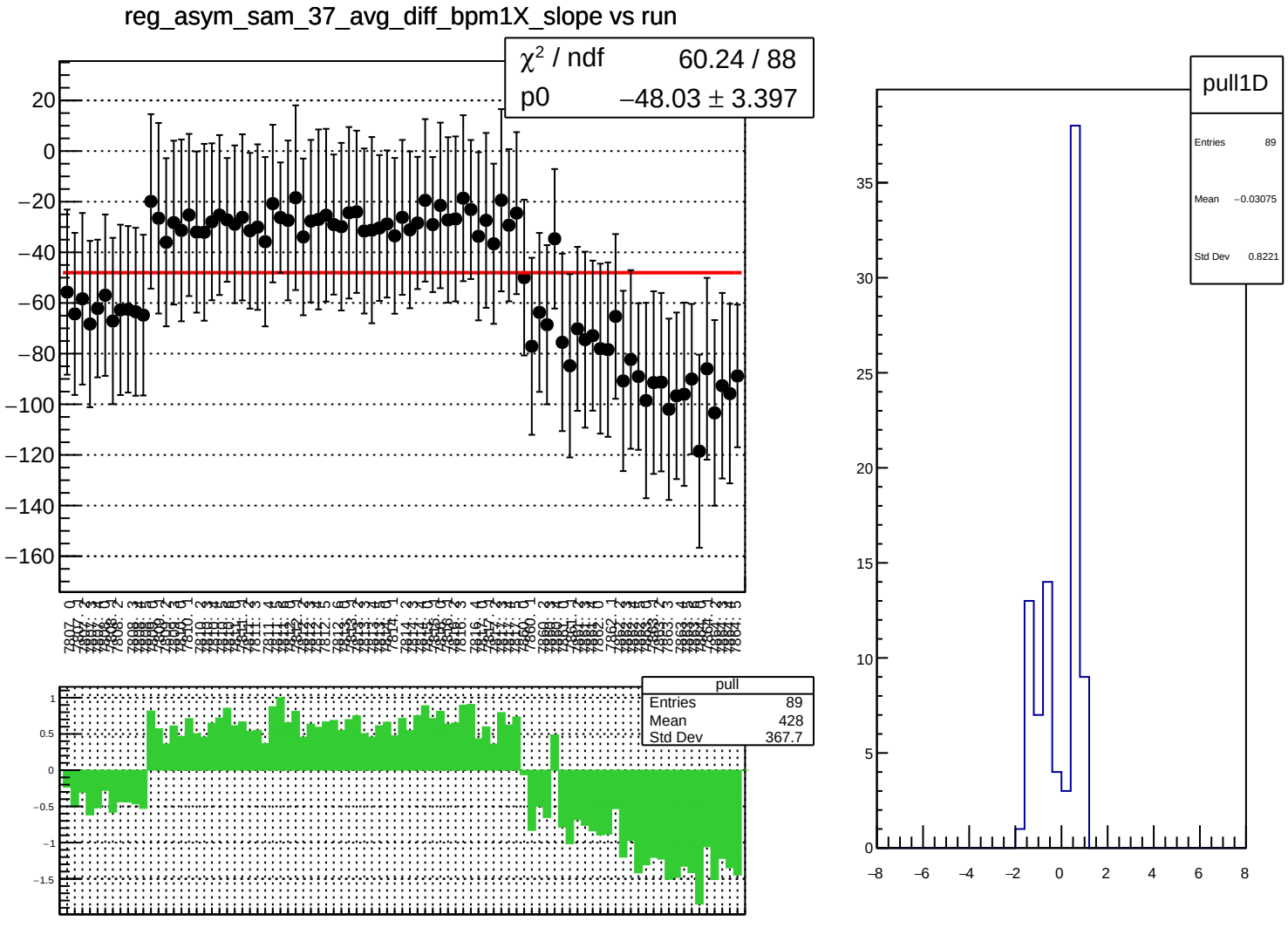

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.46 / 88
p0 −5.182 ± 0.9121
pull
Entries 89
Mean −346
Std Dev 400.8

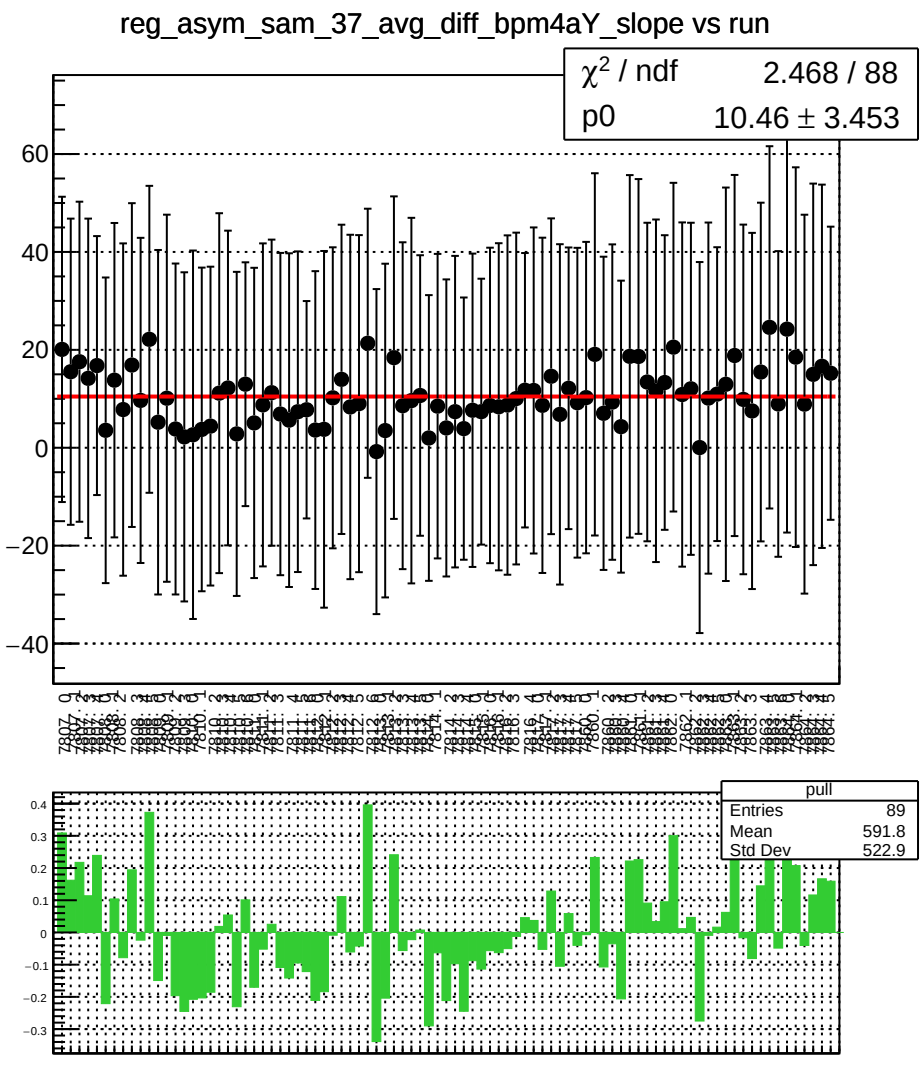

pull1D
Entries 89
Mean 0.01808
Std Dev 0.4551

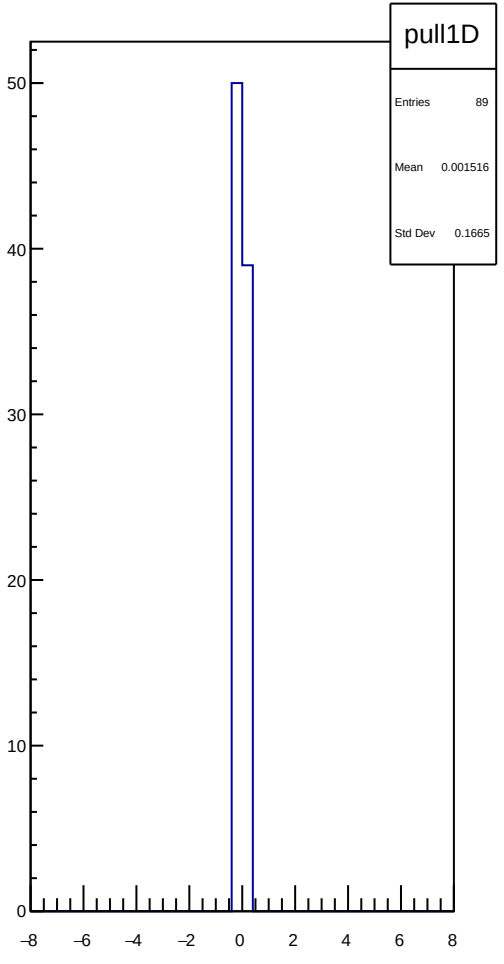

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.95 / 88
p0 5.045 ± 1.174
pull
Entries 89
Mean 1207
Std Dev 1154

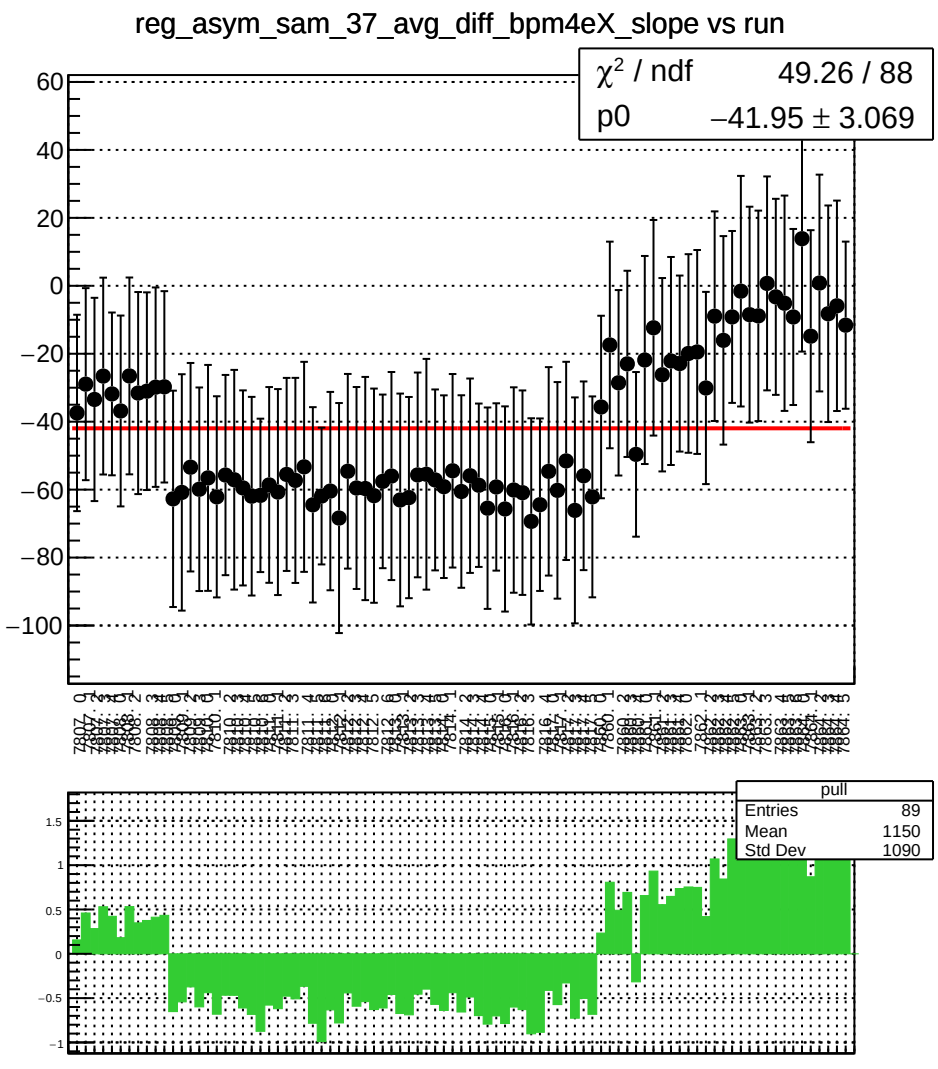

pull1D
Entries 89
Mean −0.01461
Std Dev 0.9417

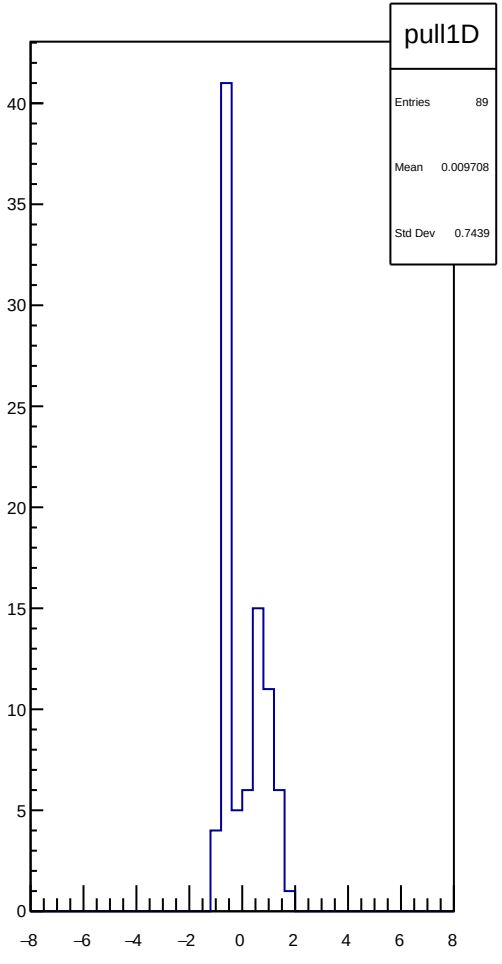

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 9.02 / 88
p0 0.6331± 0.03421
pull
Entries 89
Mean 824.9
Std Dev 772
pull1D
Entries 89
Mean 0.005379
Std Dev 0.3183

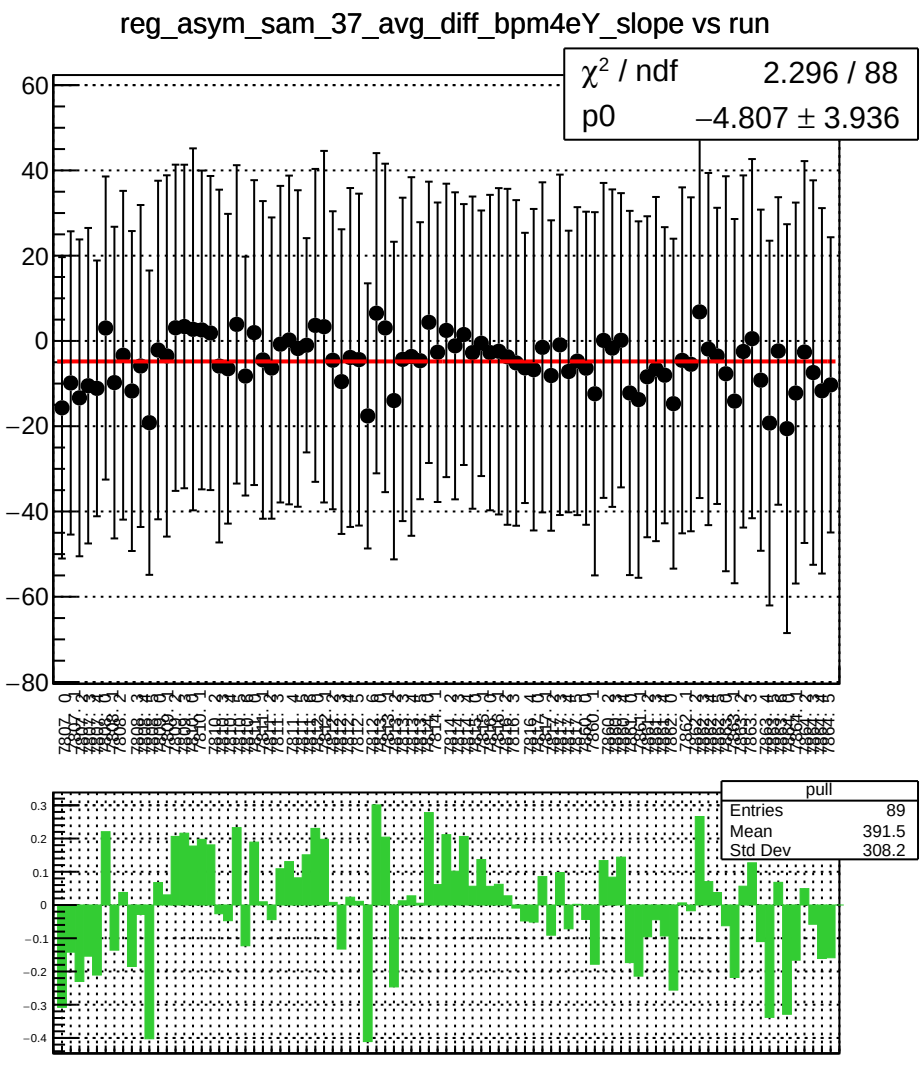

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 60.24 / 88
p0 −48.03 ± 3.397
pull
Entries 89
Mean 428
Std Dev 367.7
pull1D
Entries 89
Mean −0.03075
Std Dev 0.8221

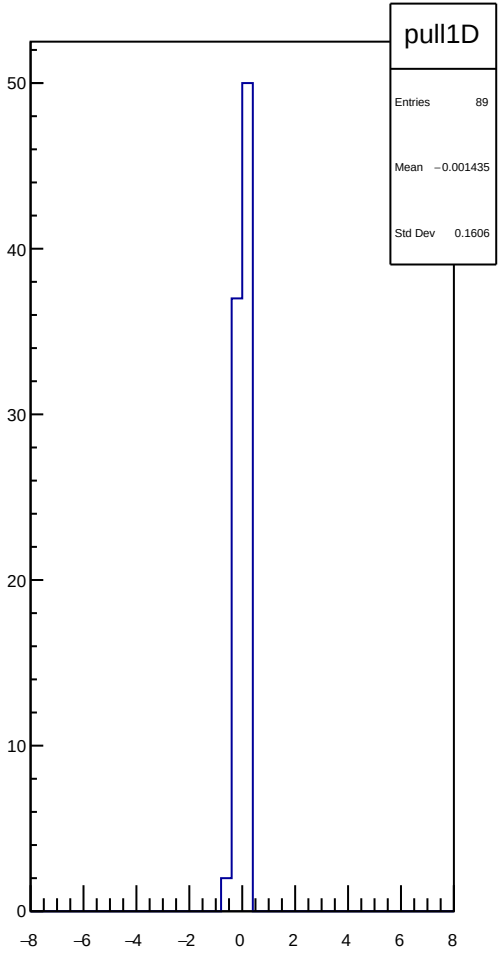

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.468 / 88
p0 10.46 ± 3.453
pull
Entries 89
Mean 591.8
Std Dev 522.9

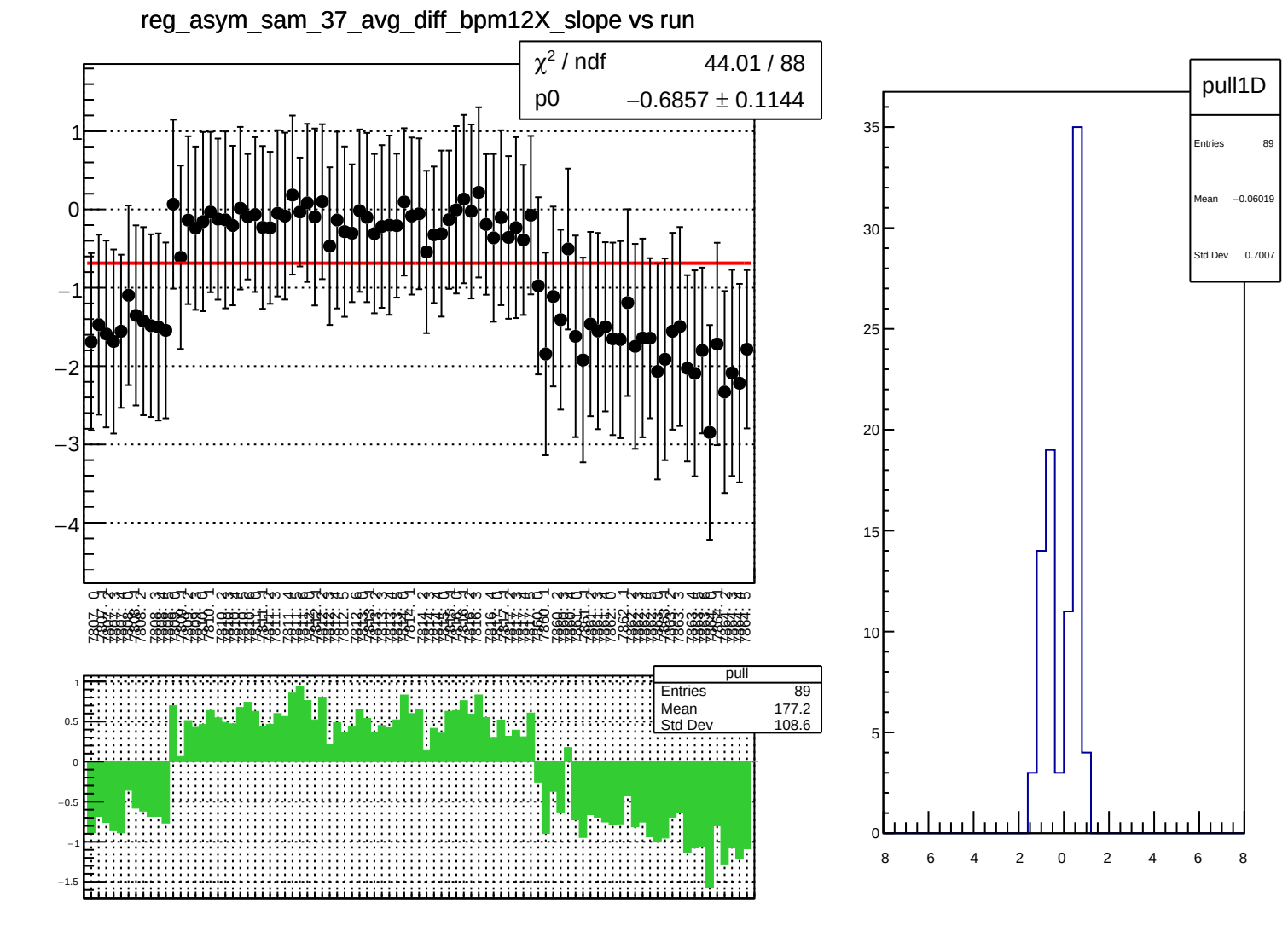

pull1D
Entries 89
Mean 0.001516
Std Dev 0.1665

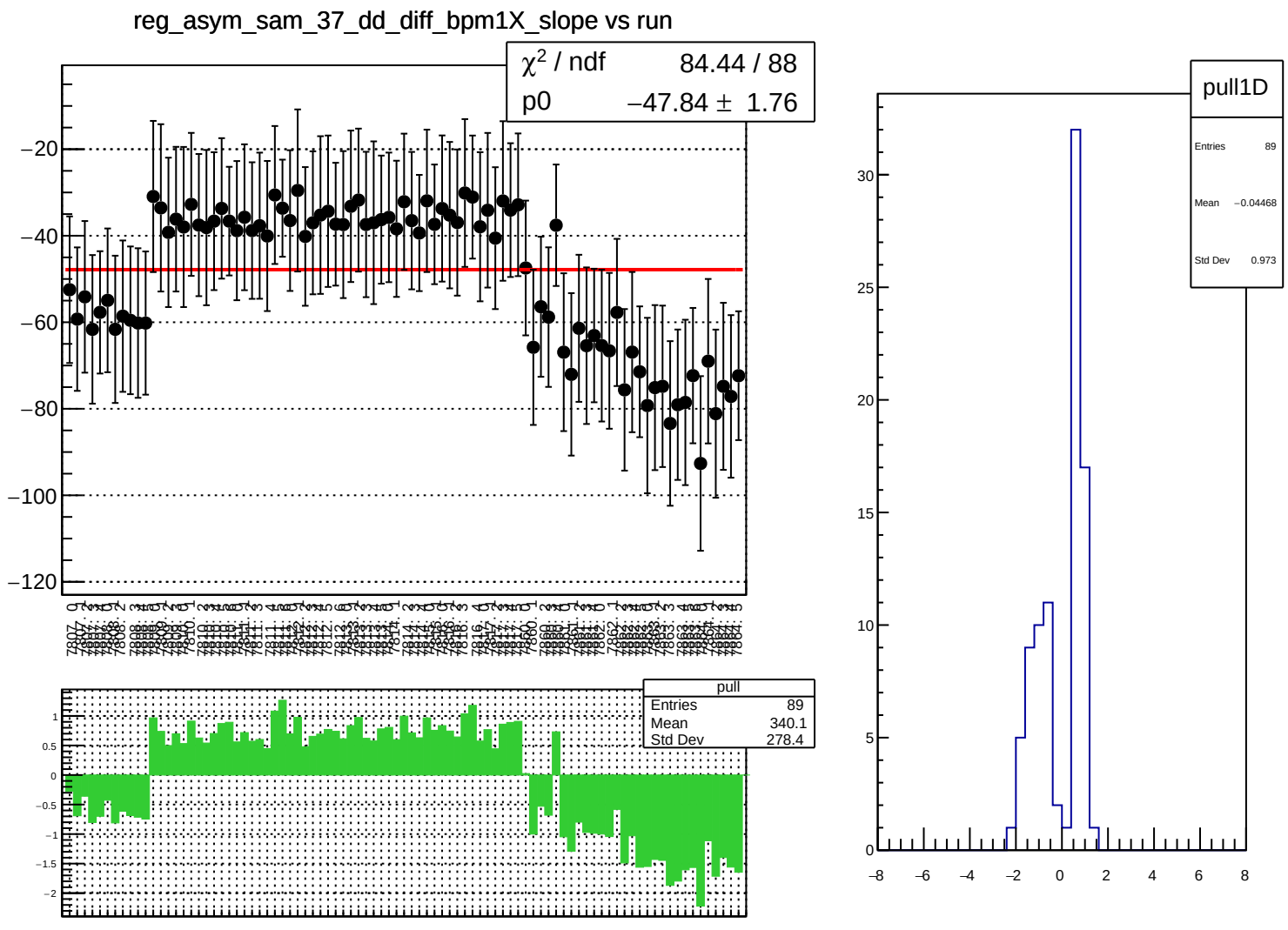

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.26 / 88
p0 −41.95 ± 3.069
pull
Entries 89
Mean 1150
Std Dev 1090

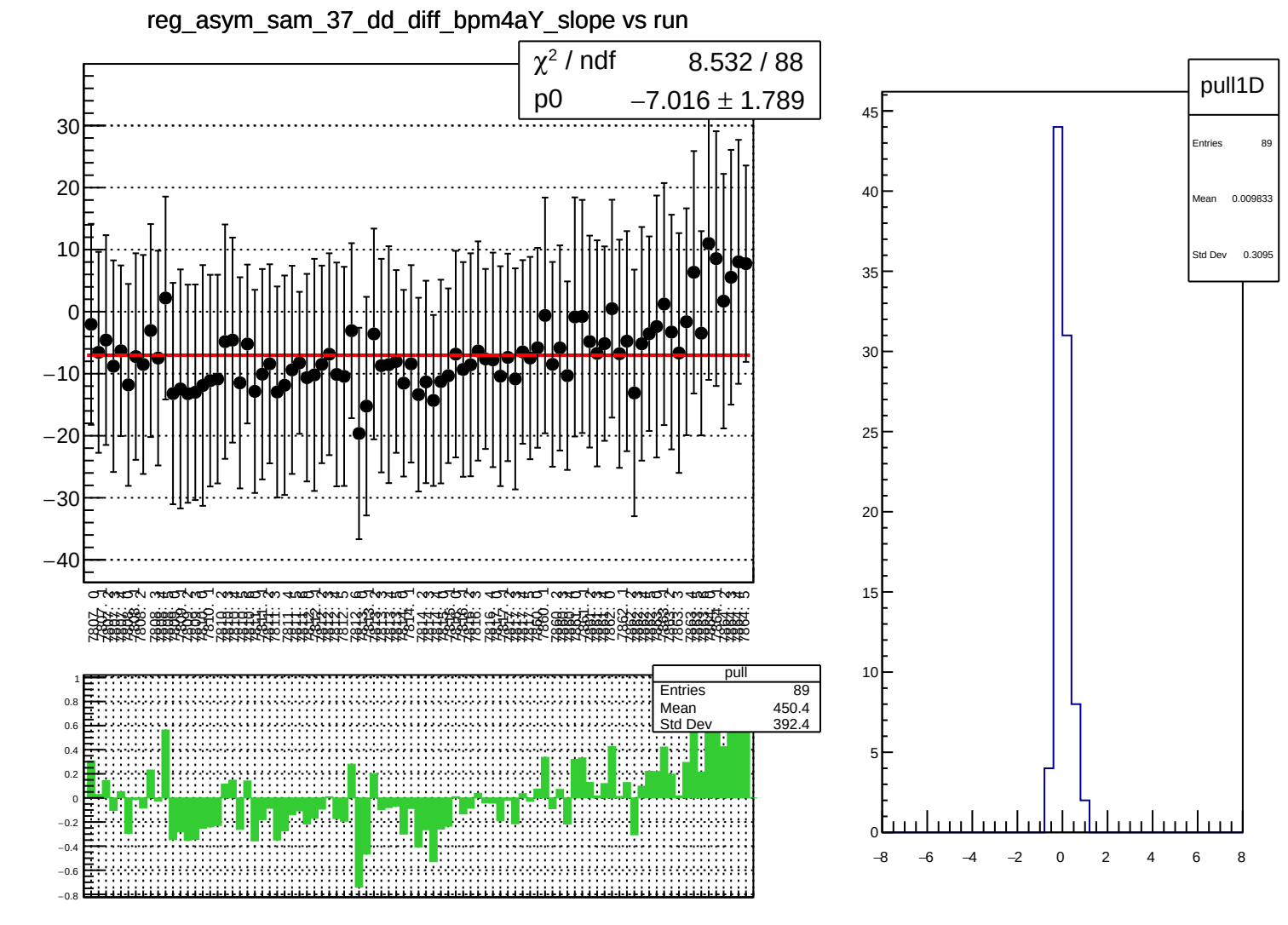

pull1D
Entries 89
Mean 0.009708
Std Dev 0.7439

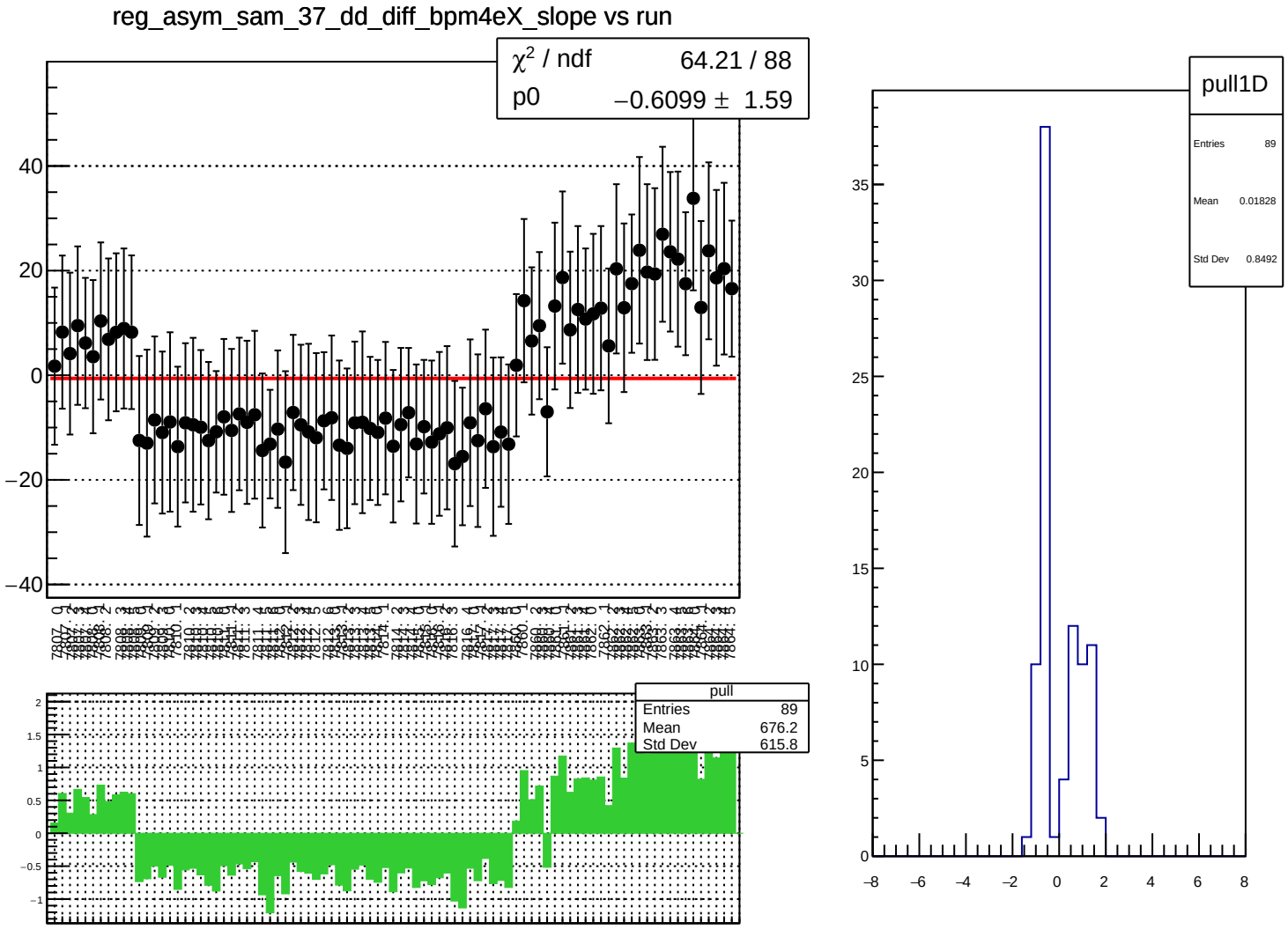

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.296 / 88
p0 −4.807 ± 3.936
pull
Entries 89
Mean 391.5
Std Dev 308.2

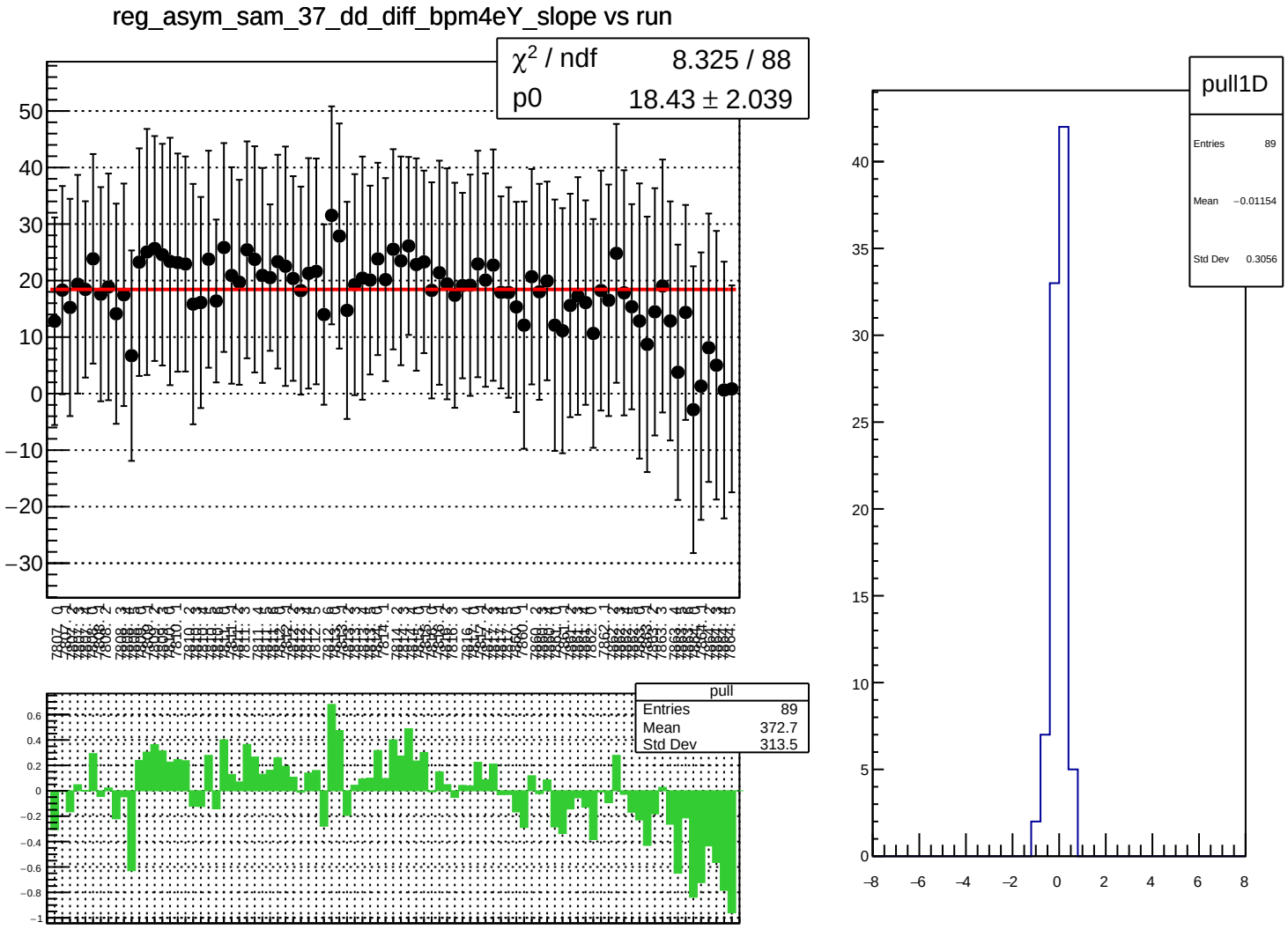

pull1D
Entries 89
Mean −0.001435
Std Dev 0.1606

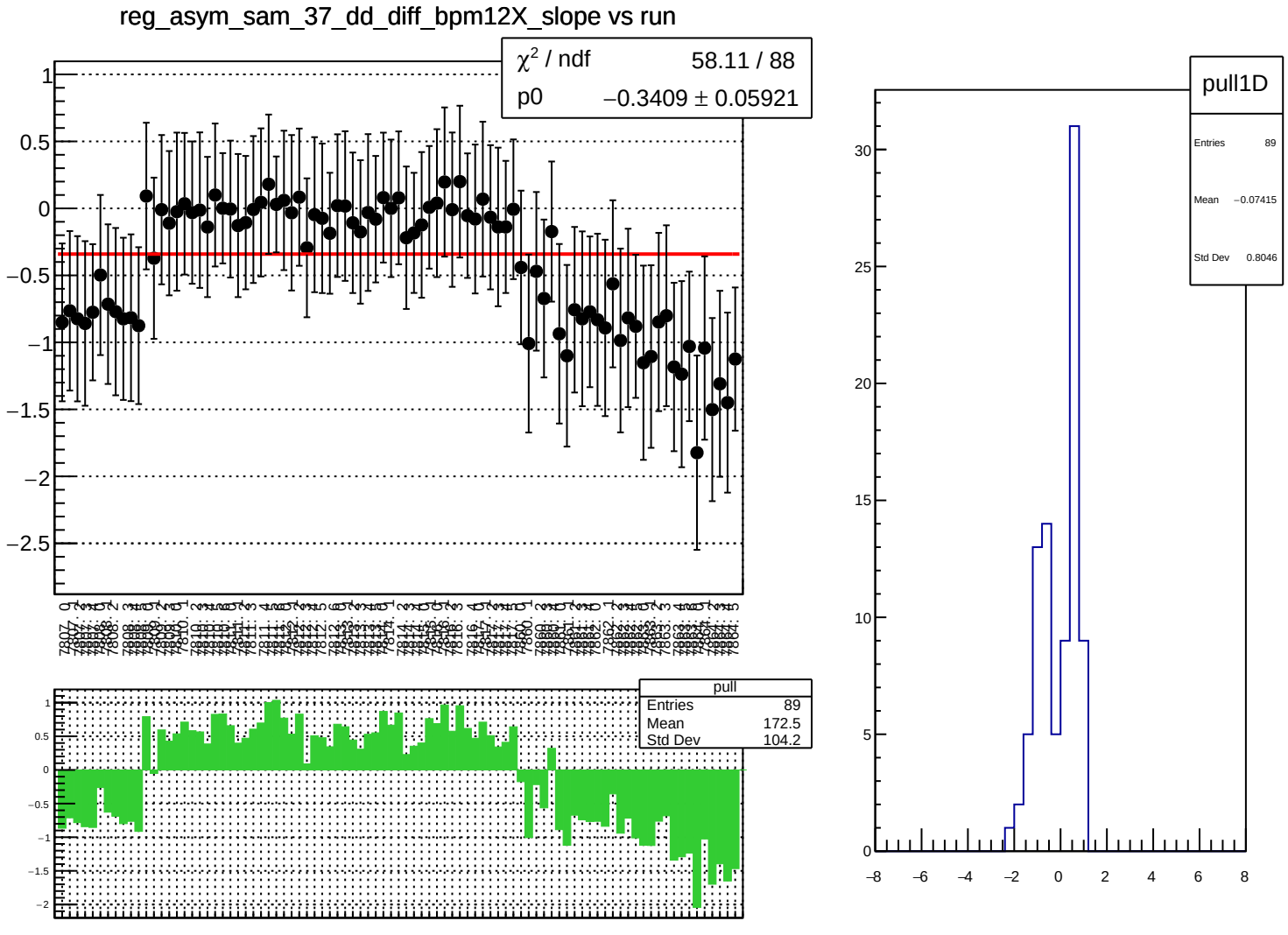

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 44.01 / 88
p0 −0.6857 ± 0.1144
pull
Entries 89
Mean 177.2
Std Dev 108.6
pull1D
Entries 89
Mean −0.06019
Std Dev 0.7007

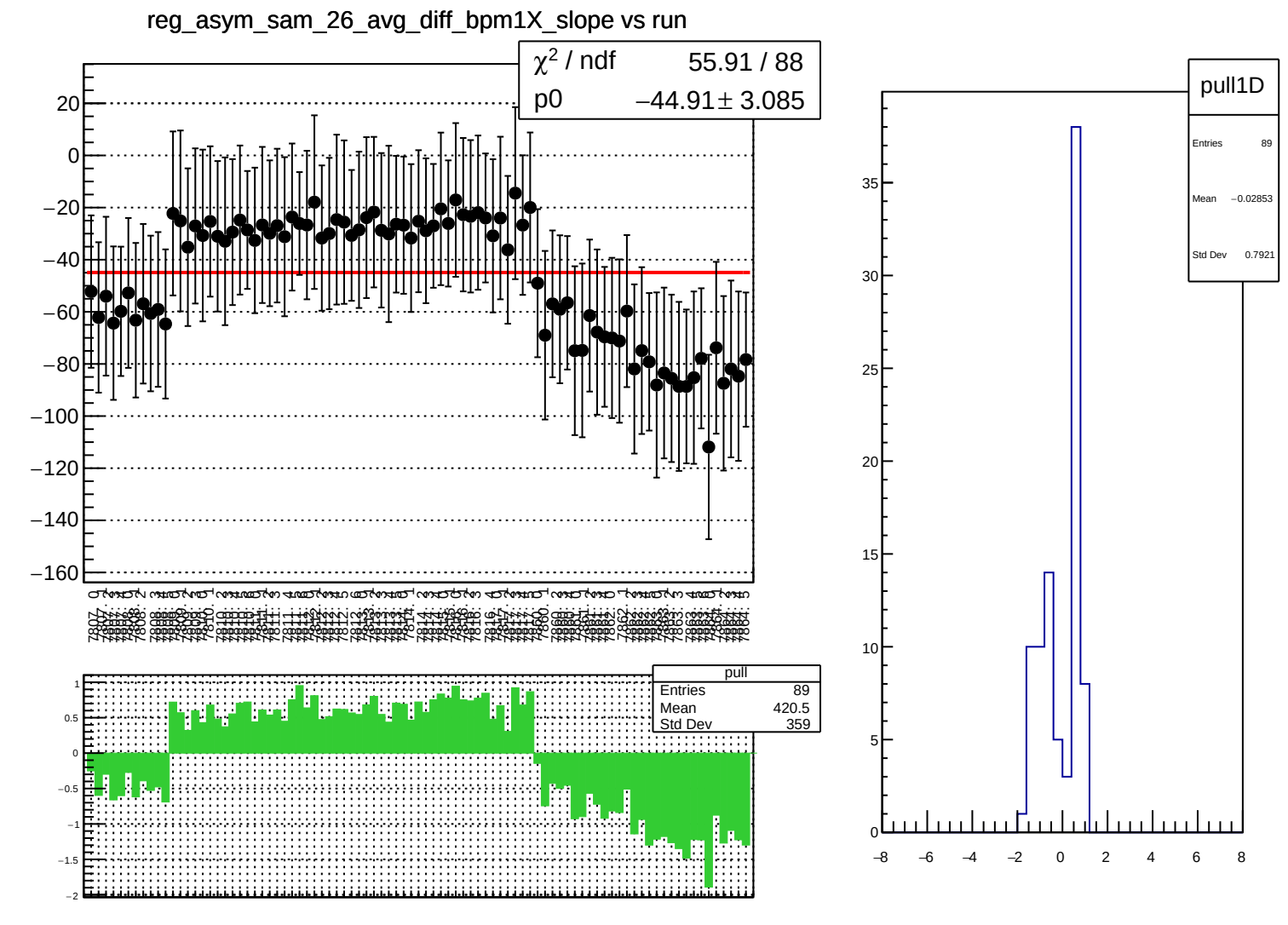

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 84.44 / 88
p0 −47.84 ± 1.76
−20
−40
−60
−80
−100
−120
pull
Entries 89
Mean 340.1
Std Dev 278.4
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.04468
Std Dev 0.973
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

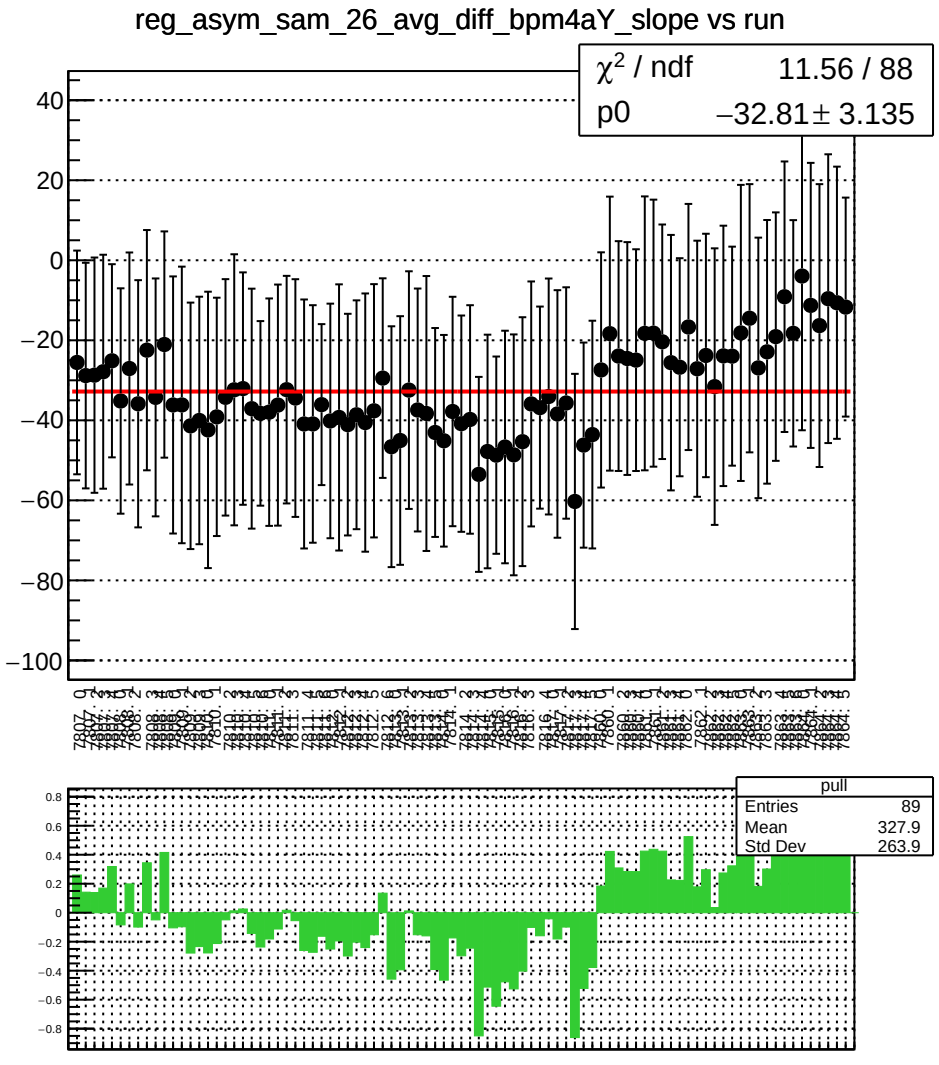

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.532 / 88
p0 −7.016 ± 1.789
pull
Entries 89
Mean 450.4
Std Dev 392.4
pull1D
Entries 89
Mean 0.009833
Std Dev 0.3095

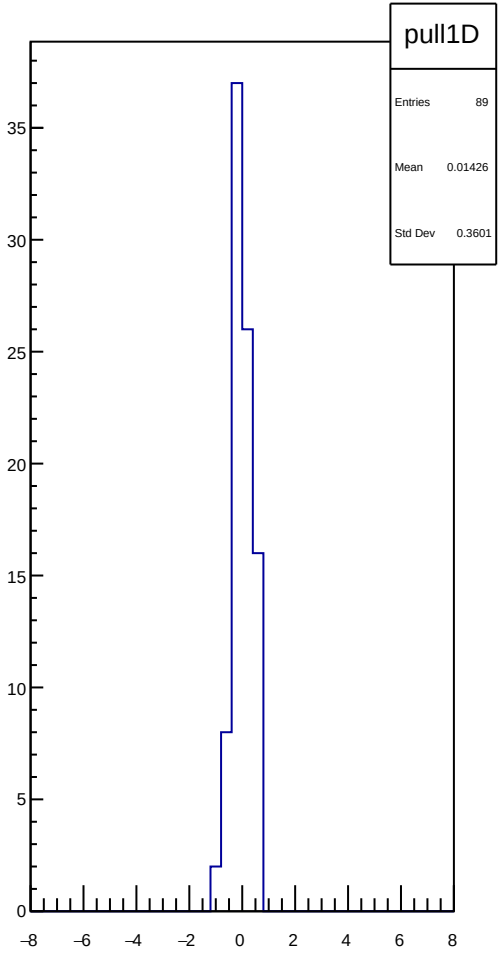

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.21 / 88
p0 −0.6099 ± 1.59
pull
Entries 89
Mean 676.2
Std Dev 615.8
pull1D
Entries 89
Mean 0.01828
Std Dev 0.8492

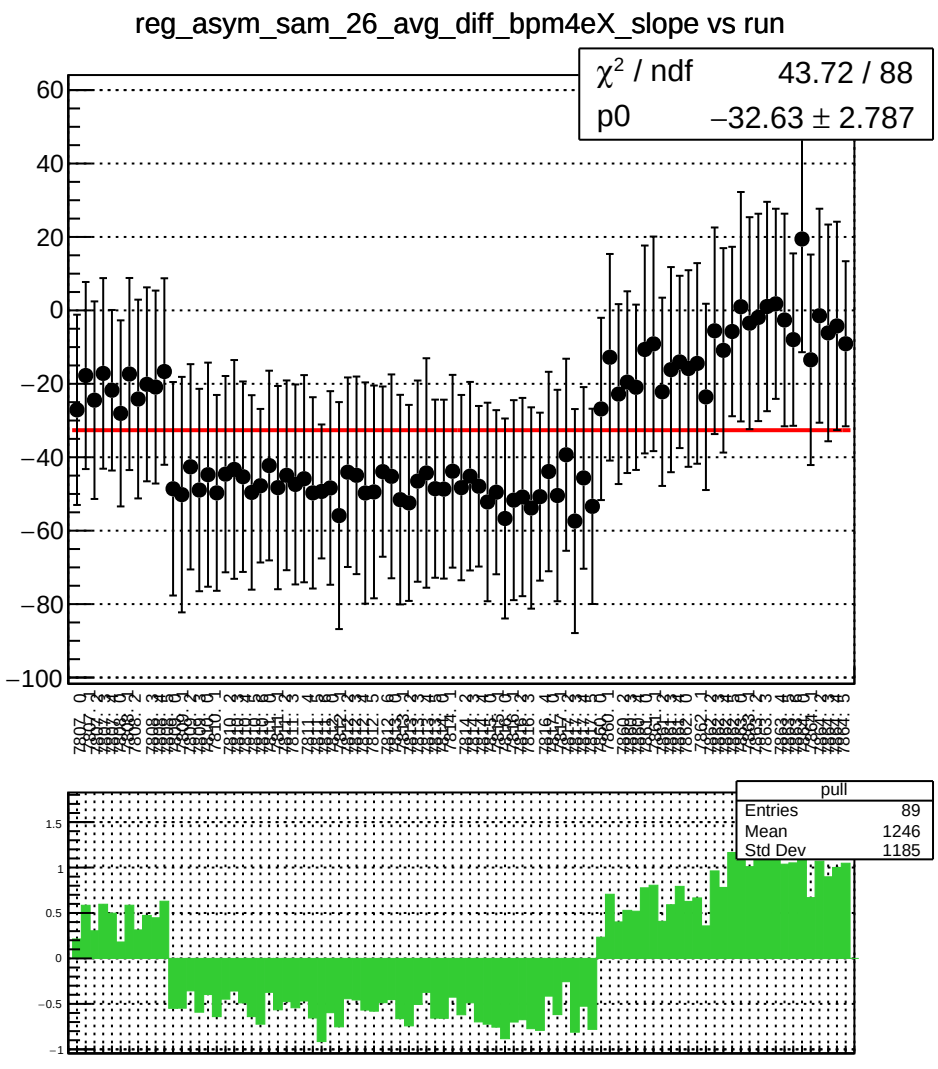

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.325 / 88
p0 18.43 ± 2.039
pull
Entries 89
Mean 372.7
Std Dev 313.5
pull1D
Entries 89
Mean −0.01154
Std Dev 0.3056

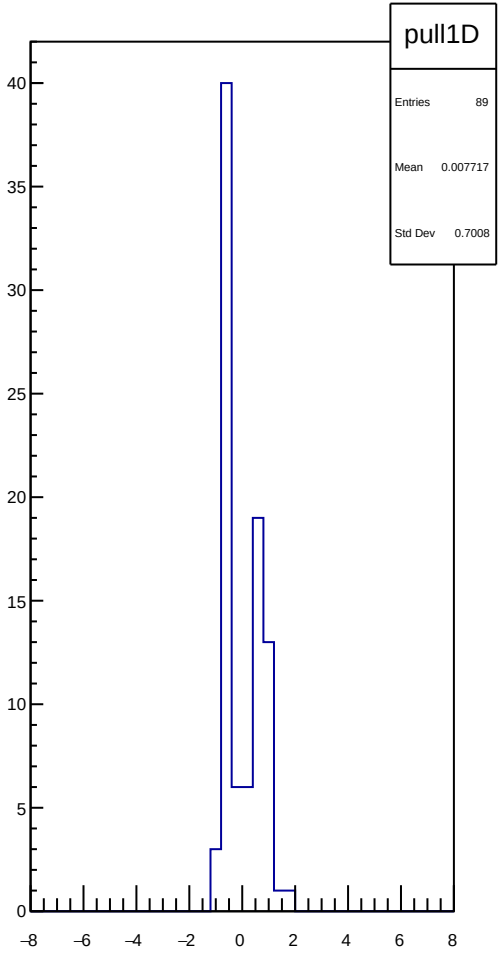

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 58.11 / 88
p0 −0.3409 ± 0.05921
pull
Entries 89
Mean 172.5
Std Dev 104.2
pull1D
Entries 89
Mean −0.07415
Std Dev 0.8046

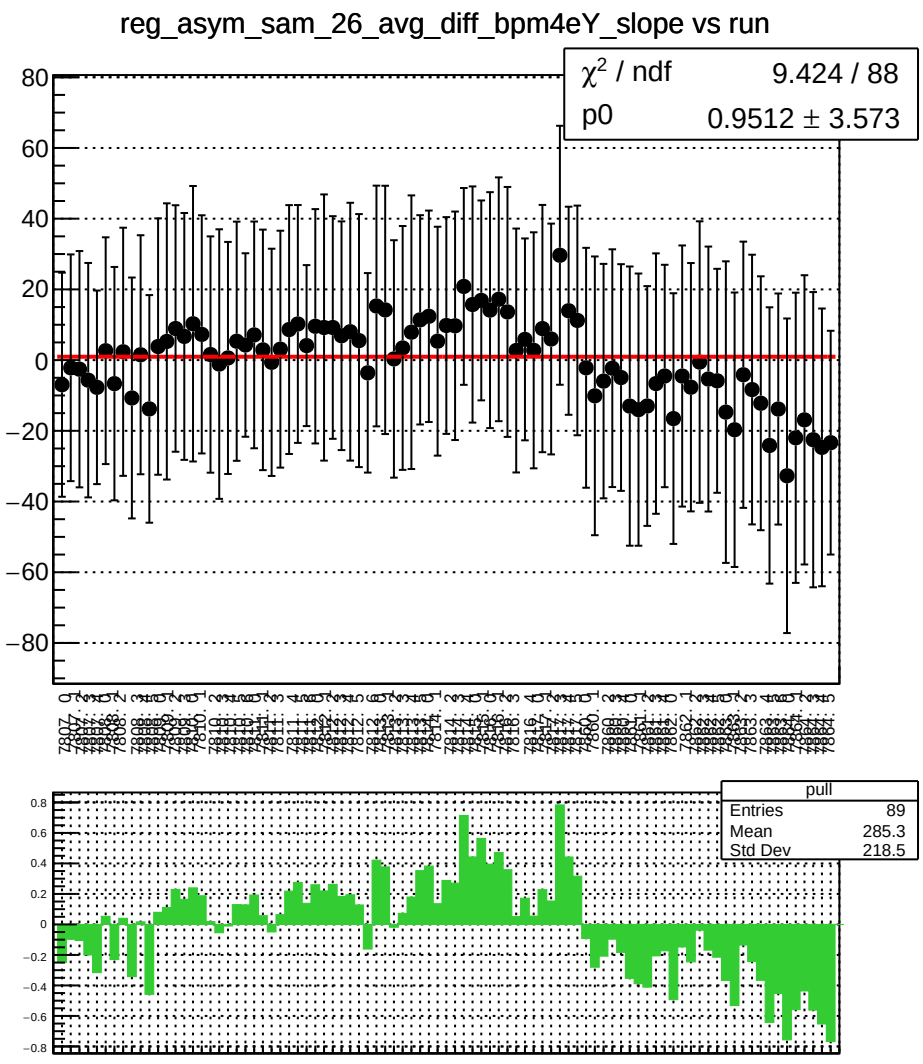

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 55.91 / 88
p0 −44.91 ± 3.085
pull
Entries 89
Mean 420.5
Std Dev 359
pull1D
Entries 89
Mean −0.02853
Std Dev 0.7921

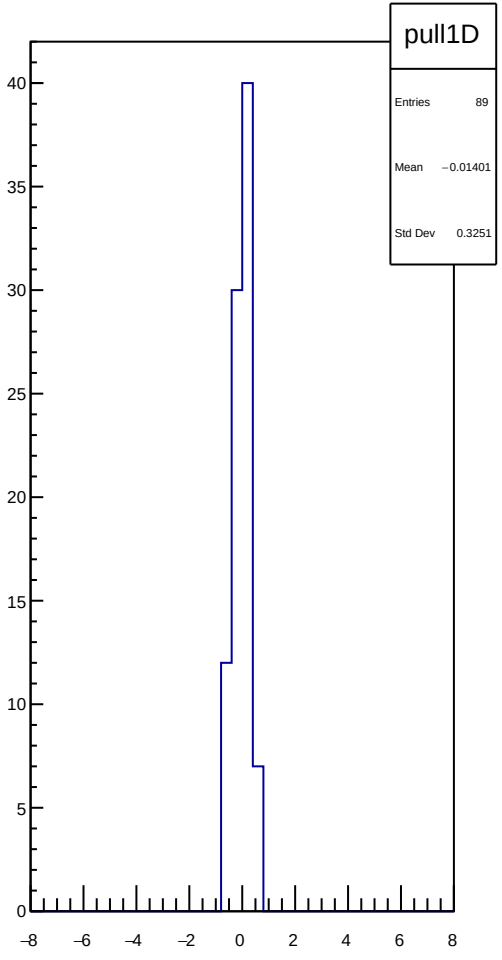

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.56 / 88
p0 −32.81 ± 3.135
pull
Entries 89
Mean 327.9
Std Dev 263.9

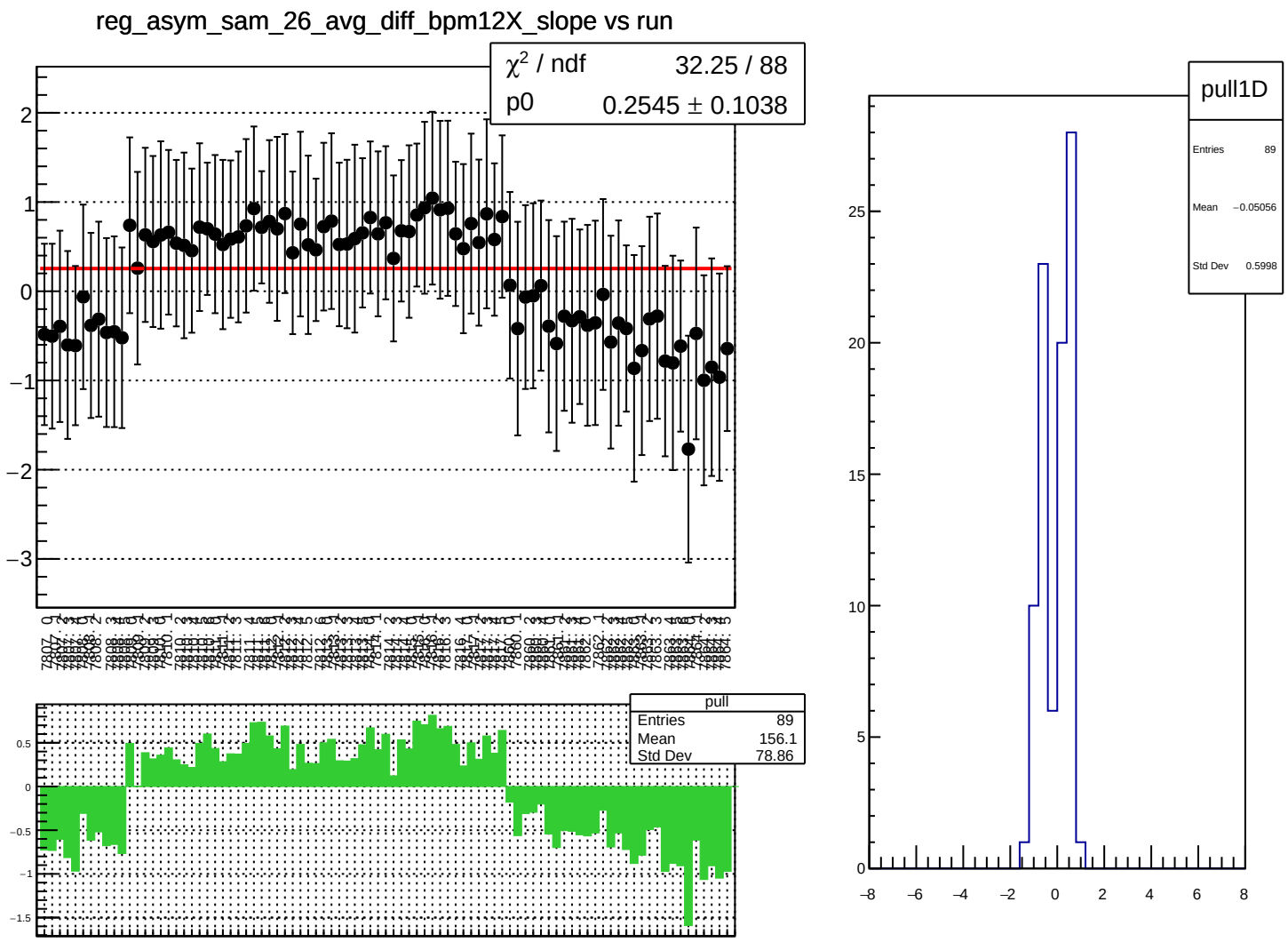

pull1D
Entries 89
Mean 0.01426
Std Dev 0.3601

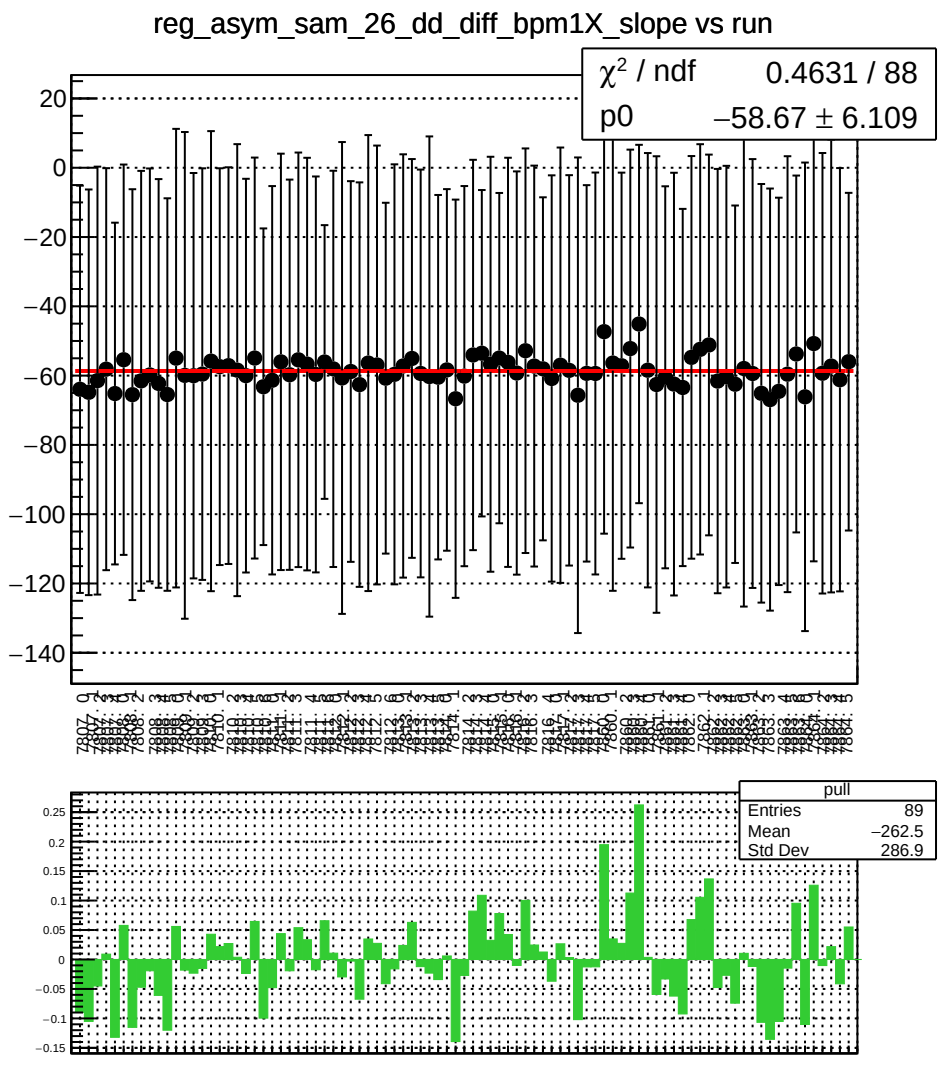

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.72 / 88
p0 −32.63 ± 2.787
pull
Entries 89
Mean 1246
Std Dev 1185

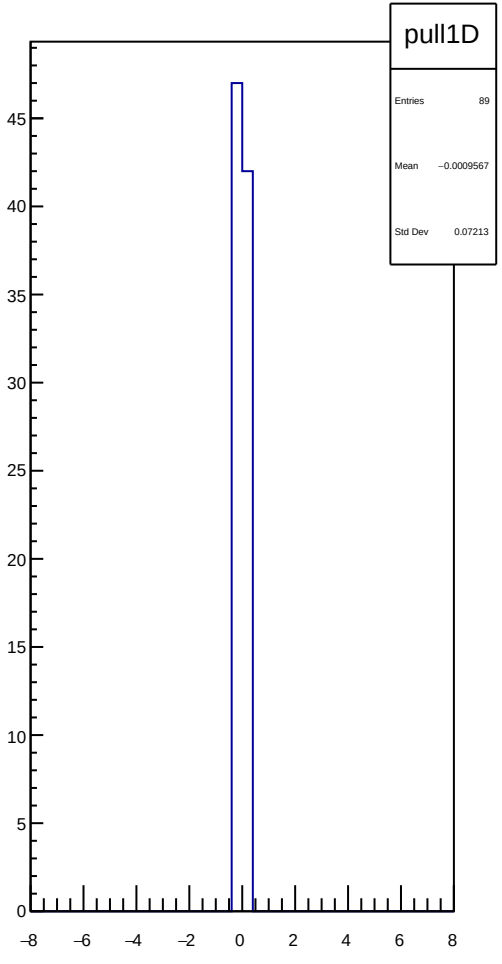

pull1D
Entries 89
Mean 0.007717
Std Dev 0.7008

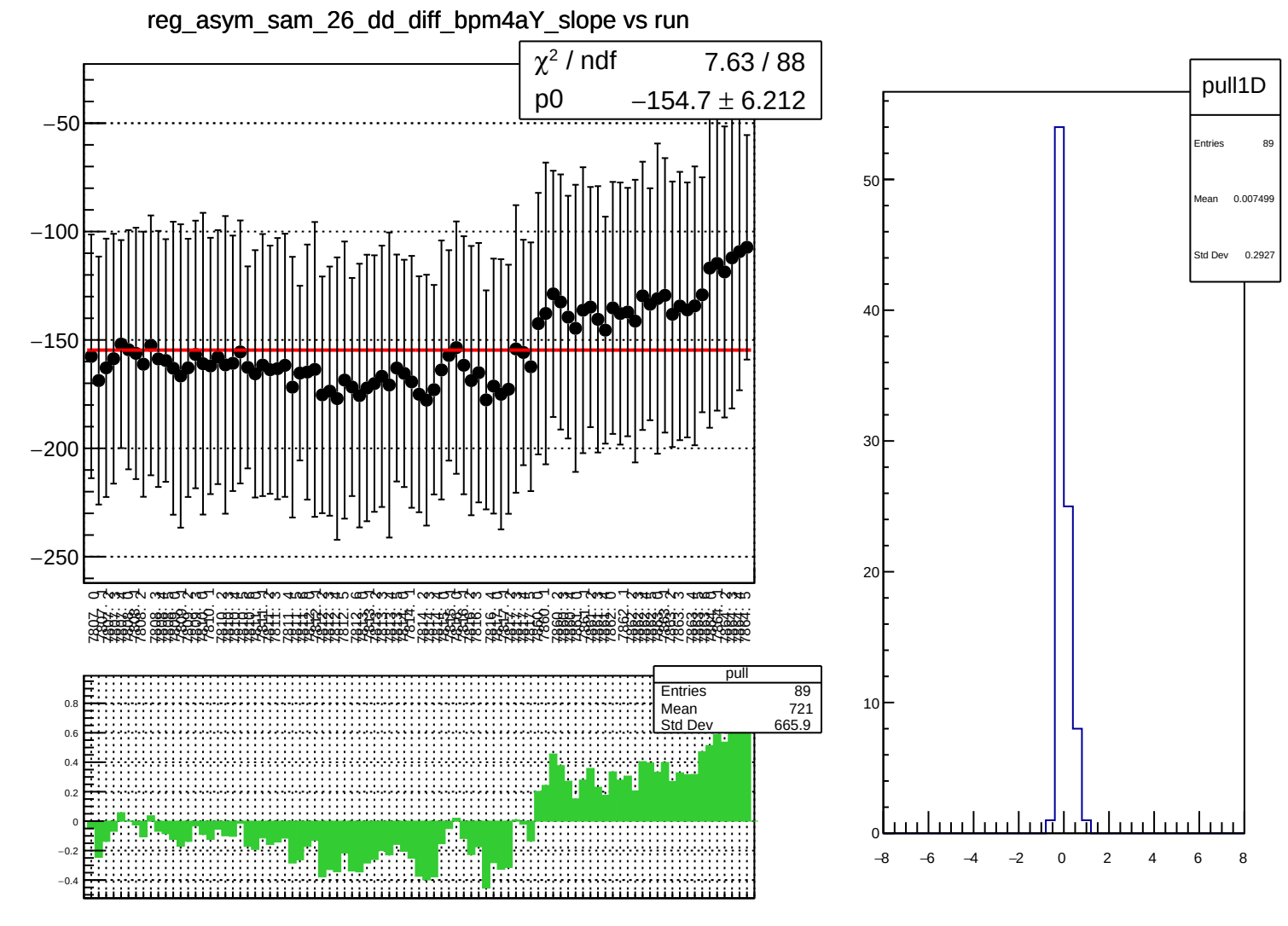

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.424 / 88
p0 0.9512 ± 3.573
pull
Entries 89
Mean 285.3
Std Dev 218.5

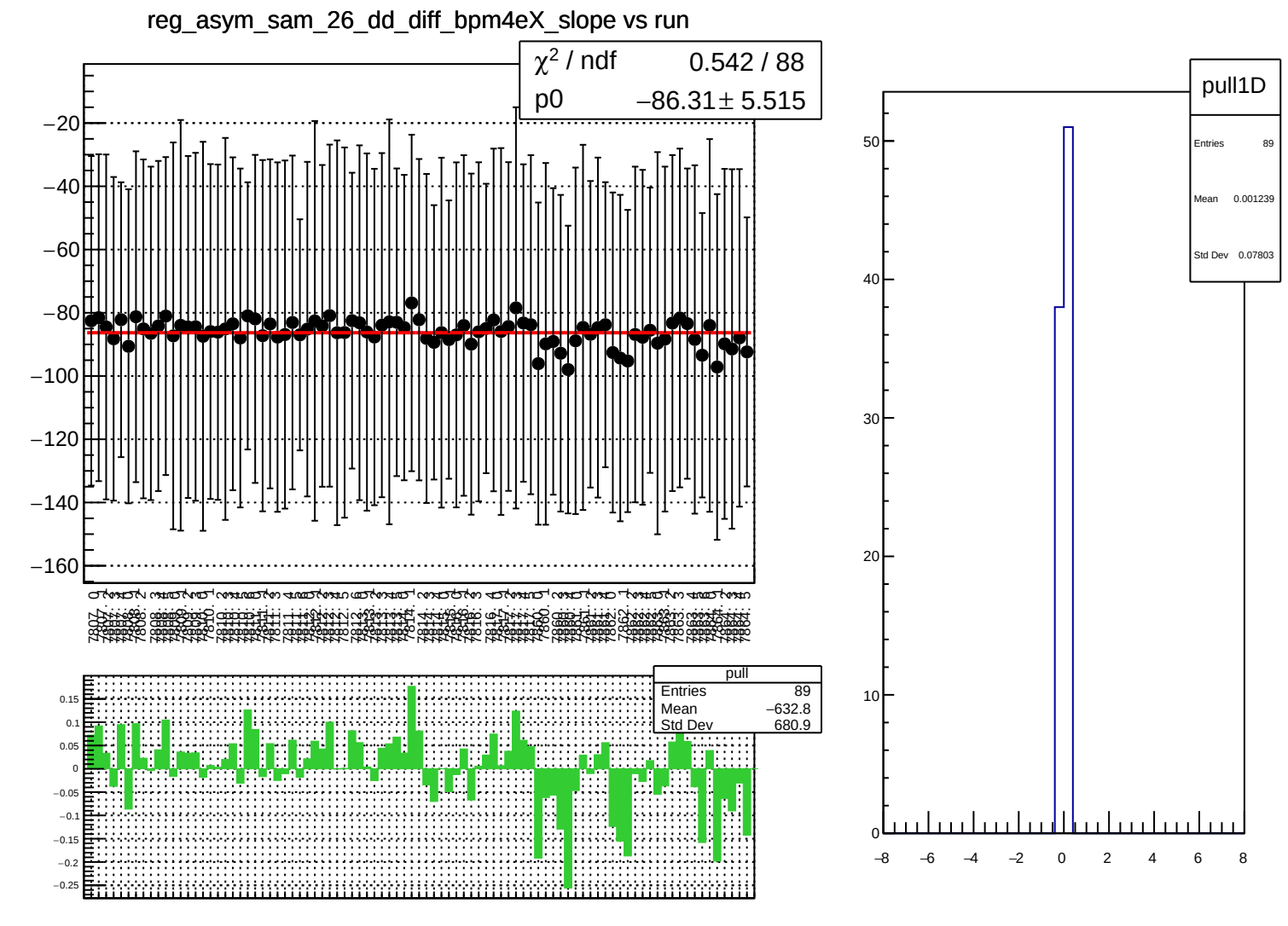

pull1D
Entries 89
Mean −0.01401
Std Dev 0.3251

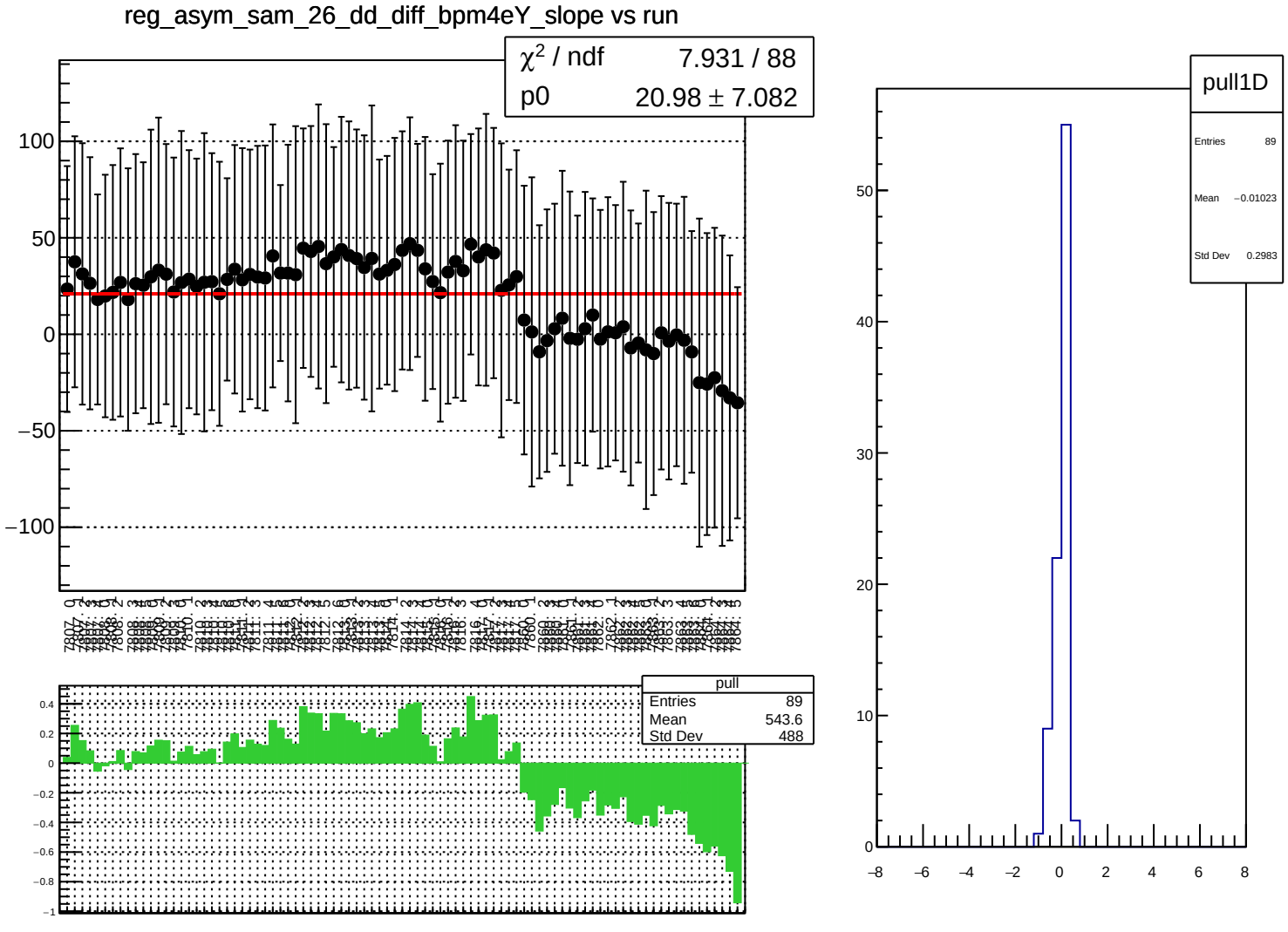

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 32.25 / 88
p0 0.2545 ± 0.1038
pull
Entries 89
Mean 156.1
Std Dev 78.86
pull1D
Entries 89
Mean −0.05056
Std Dev 0.5998

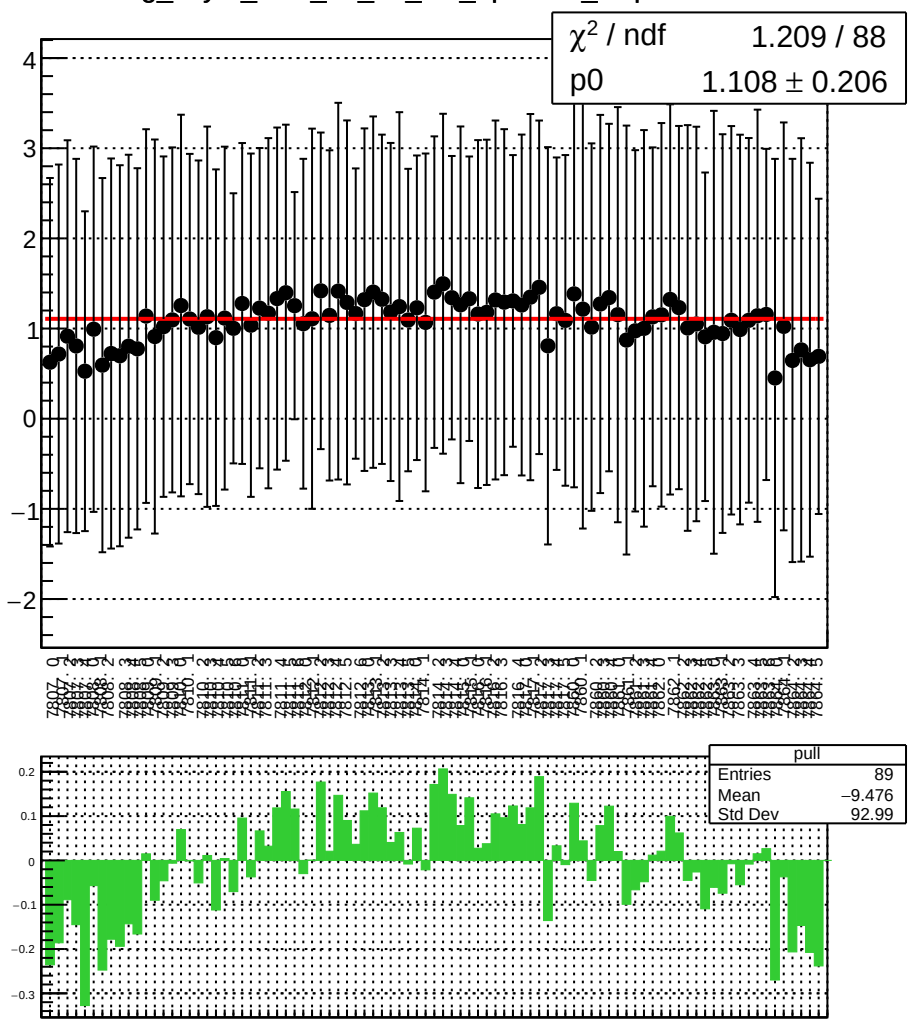

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.4631 / 88
p0 −58.67 ± 6.109
pull
Entries 89
Mean −262.5
Std Dev 286.9

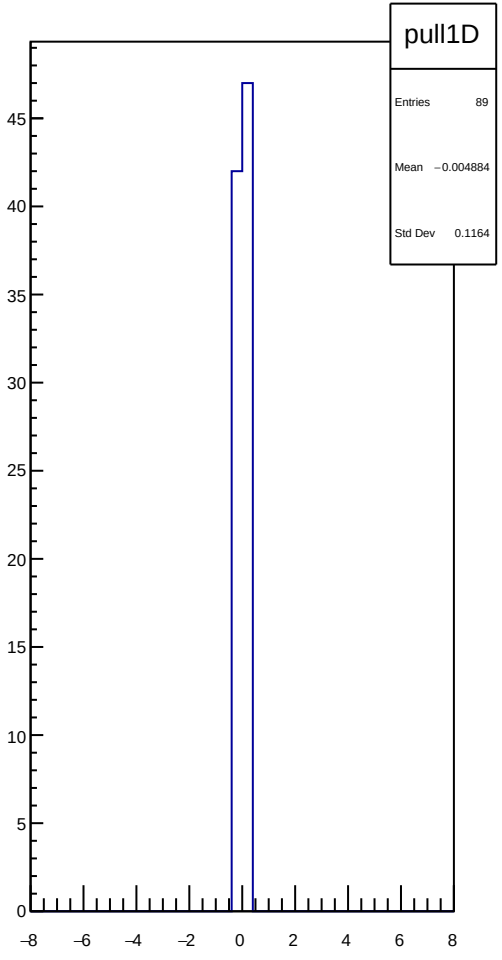

pull1D
Entries 89
Mean −0.0009567
Std Dev 0.07213

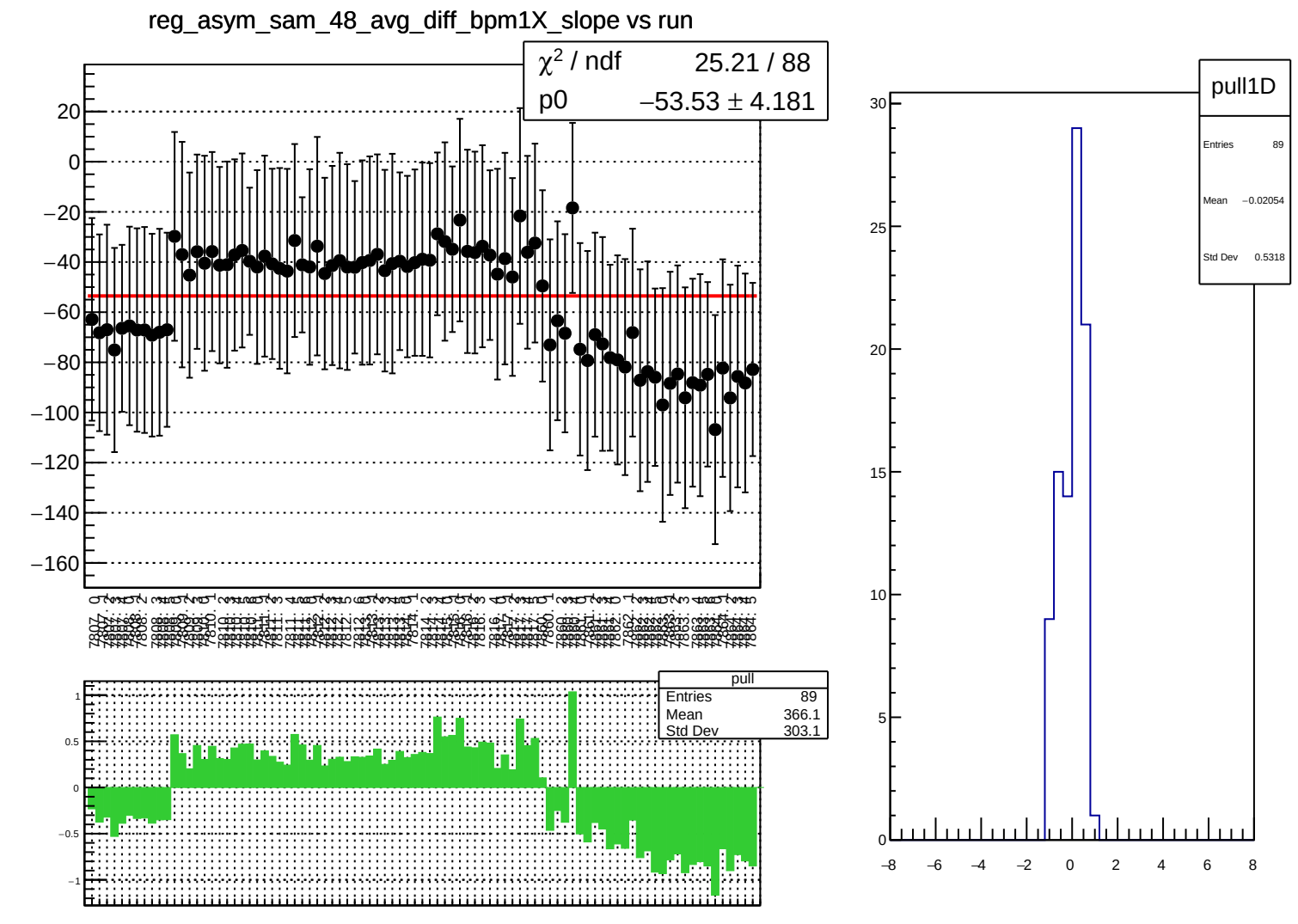

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.63 / 88
p0 −154.7 ± 6.212
−50
−100
−150
−200
−250
pull
Entries 89
Mean 721
Std Dev 665.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 89
Mean 0.007499
Std Dev 0.2927
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

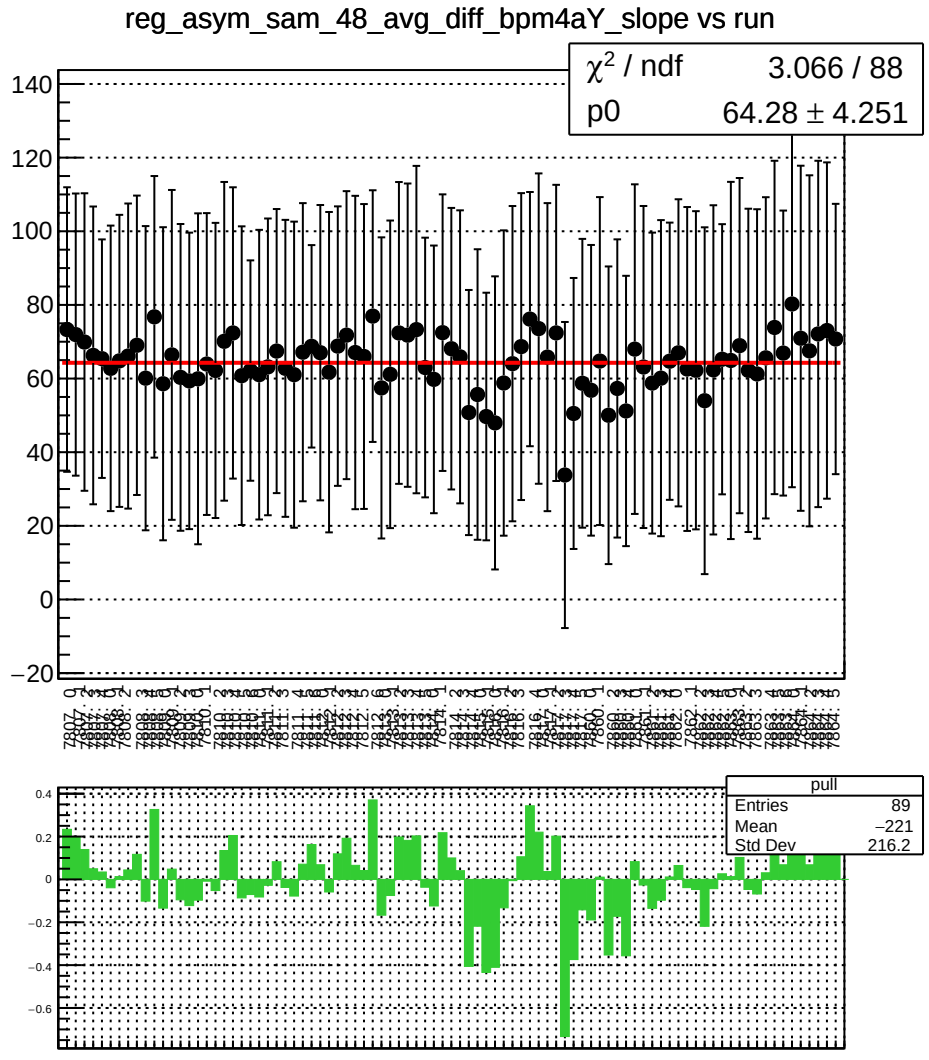

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.542 / 88
p0 −86.31 ± 5.515
pull
Entries 89
Mean −632.8
Std Dev 680.9
pull1D
Entries 89
Mean 0.001239
Std Dev 0.07803

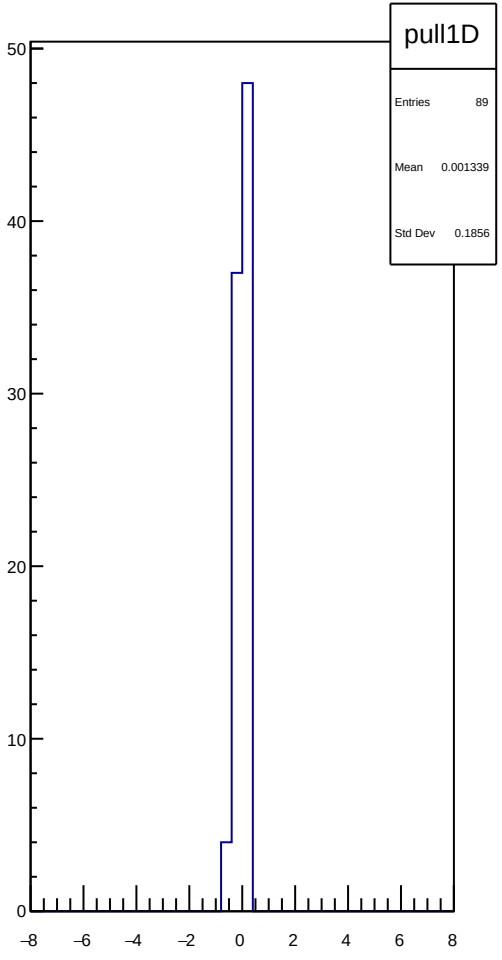

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.931 / 88
p0 20.98 ± 7.082
pull
Entries 89
Mean 543.6
Std Dev 488
pull1D
Entries 89
Mean −0.01023
Std Dev 0.2983

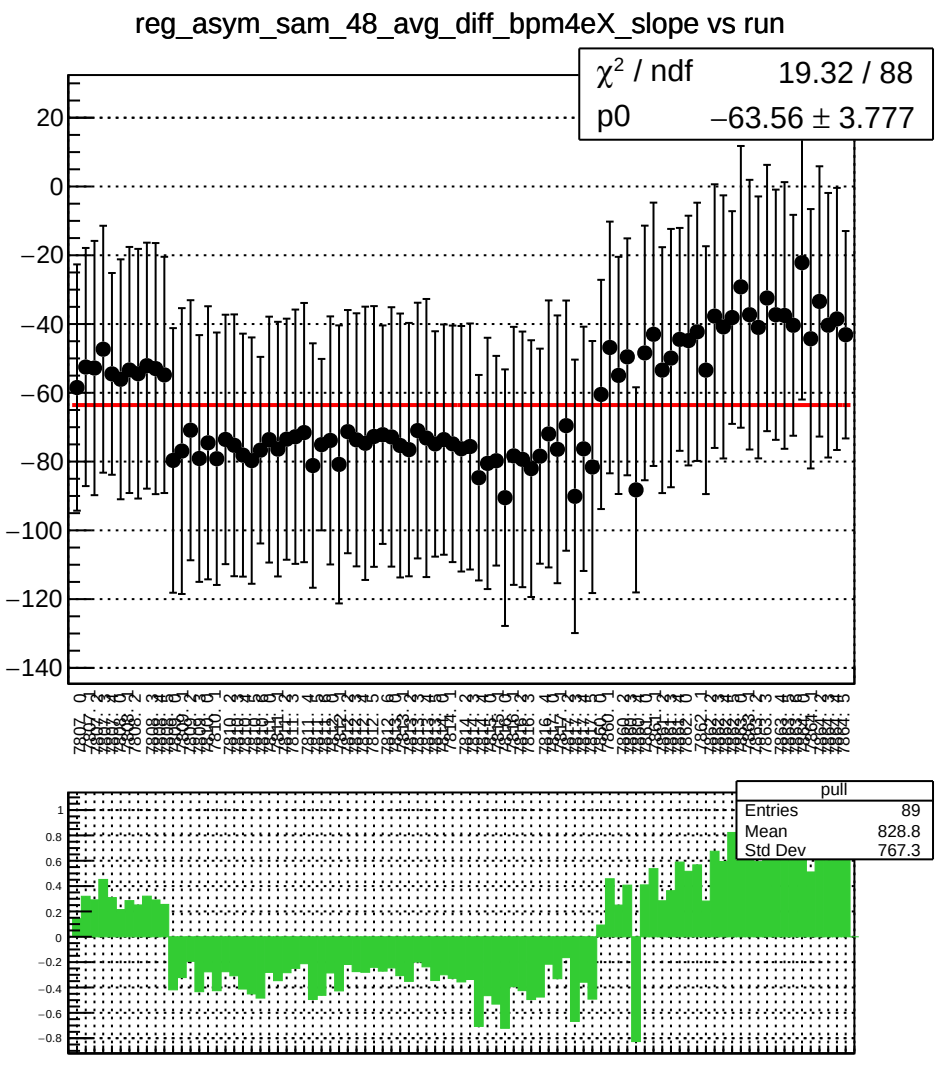

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.209 / 88
p0 1.108 ± 0.206
pull
Entries 89
Mean −9.476
Std Dev 92.99

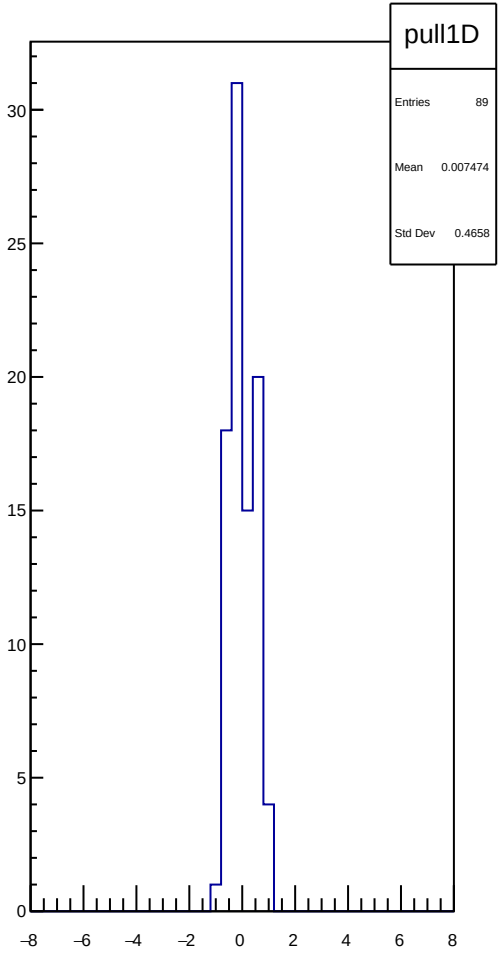

pull1D
Entries 89
Mean −0.004884
Std Dev 0.1164

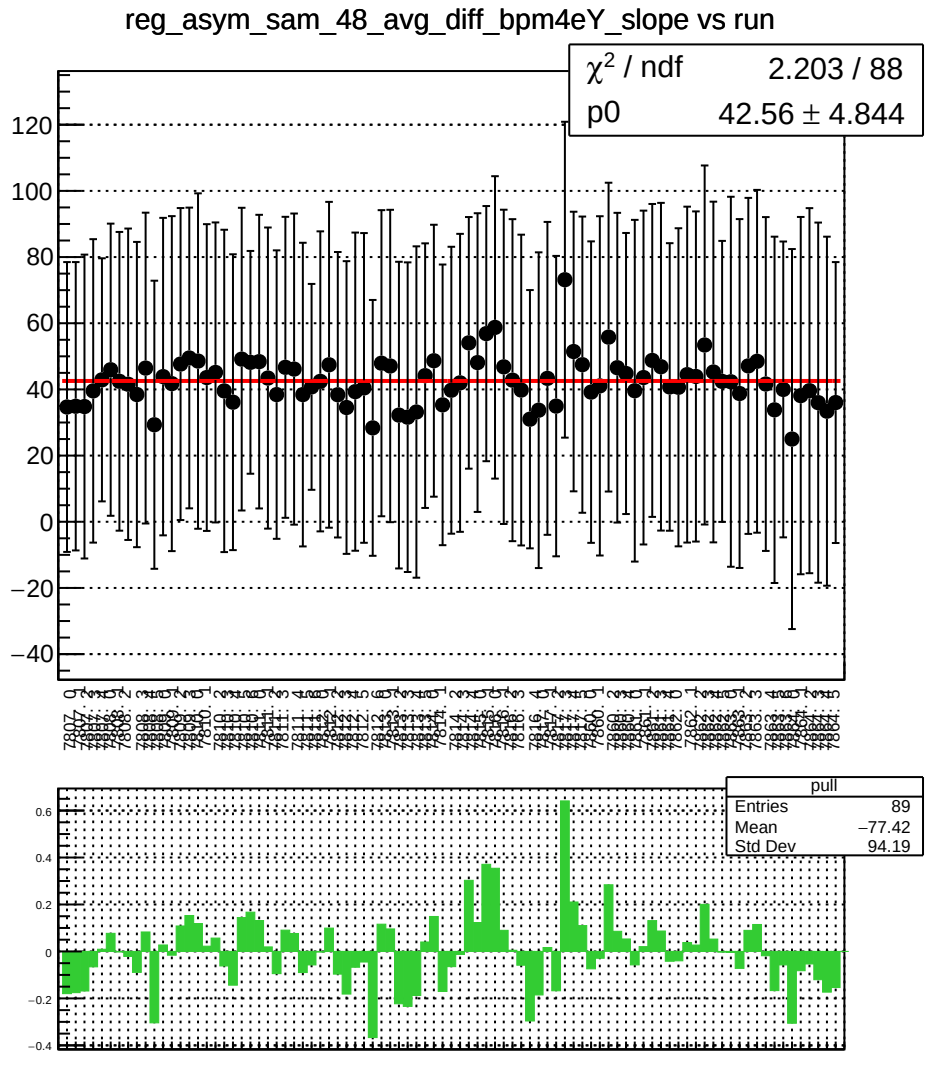

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 25.21 / 88
p0 −53.53 ± 4.181
pull
Entries 89
Mean 366.1
Std Dev 303.1
pull1D
Entries 89
Mean −0.02054
Std Dev 0.5318

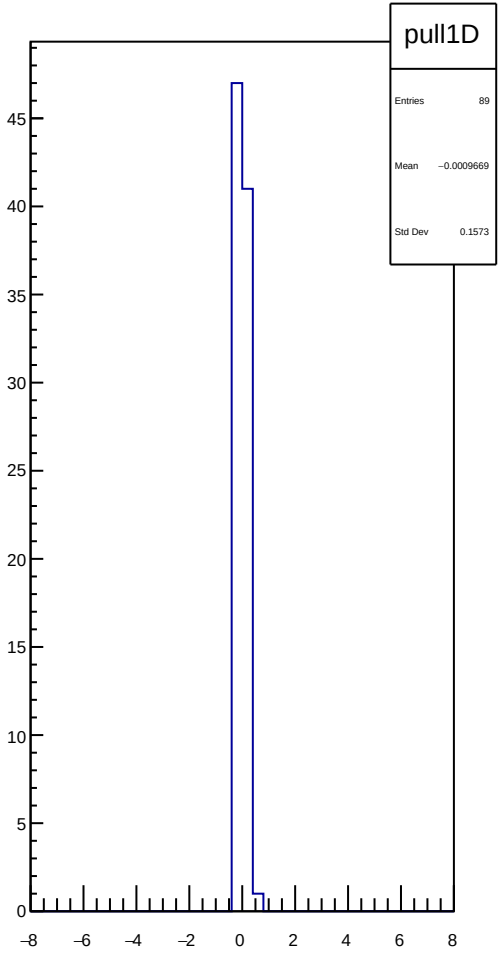

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.066 / 88
p0 64.28 ± 4.251
pull
Entries 89
Mean −221
Std Dev 216.2

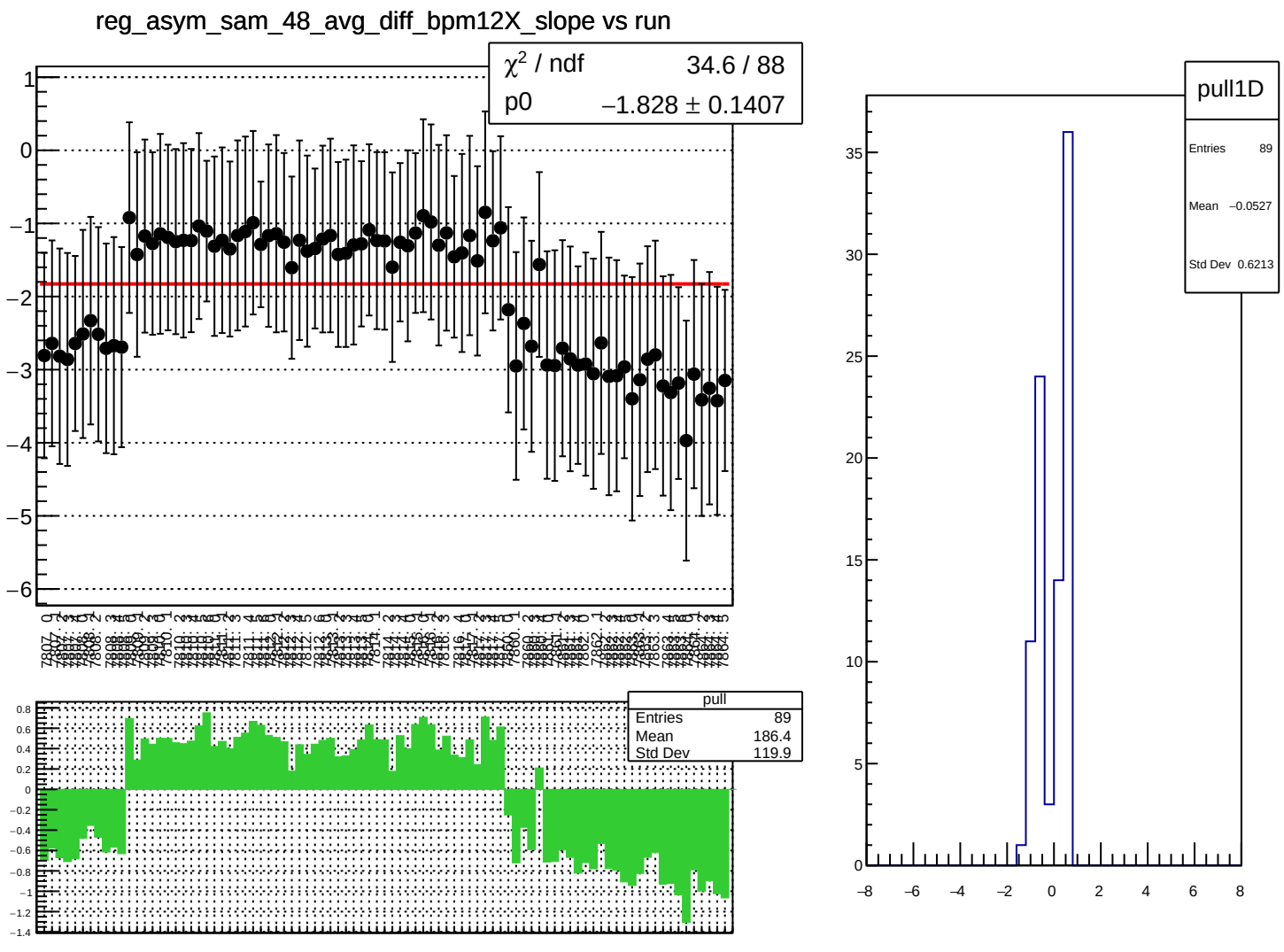

pull1D
Entries 89
Mean 0.001339
Std Dev 0.1856

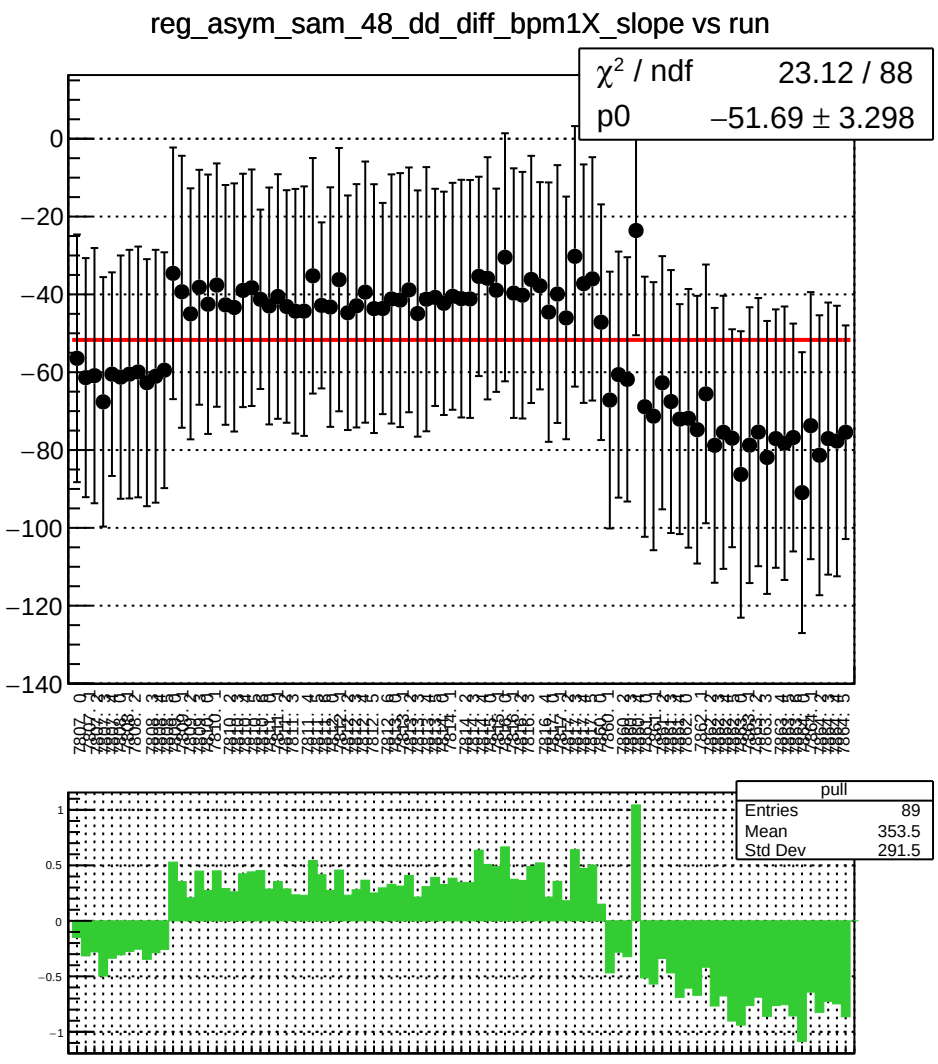

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.32 / 88
p0 −63.56 ± 3.777
pull
Entries 89
Mean 828.8
Std Dev 767.3

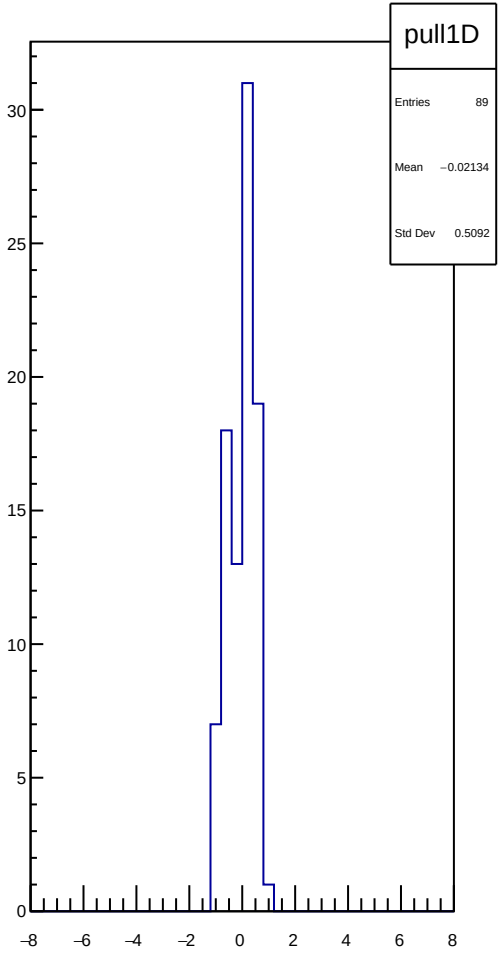

pull1D
Entries 89
Mean 0.007474
Std Dev 0.4658

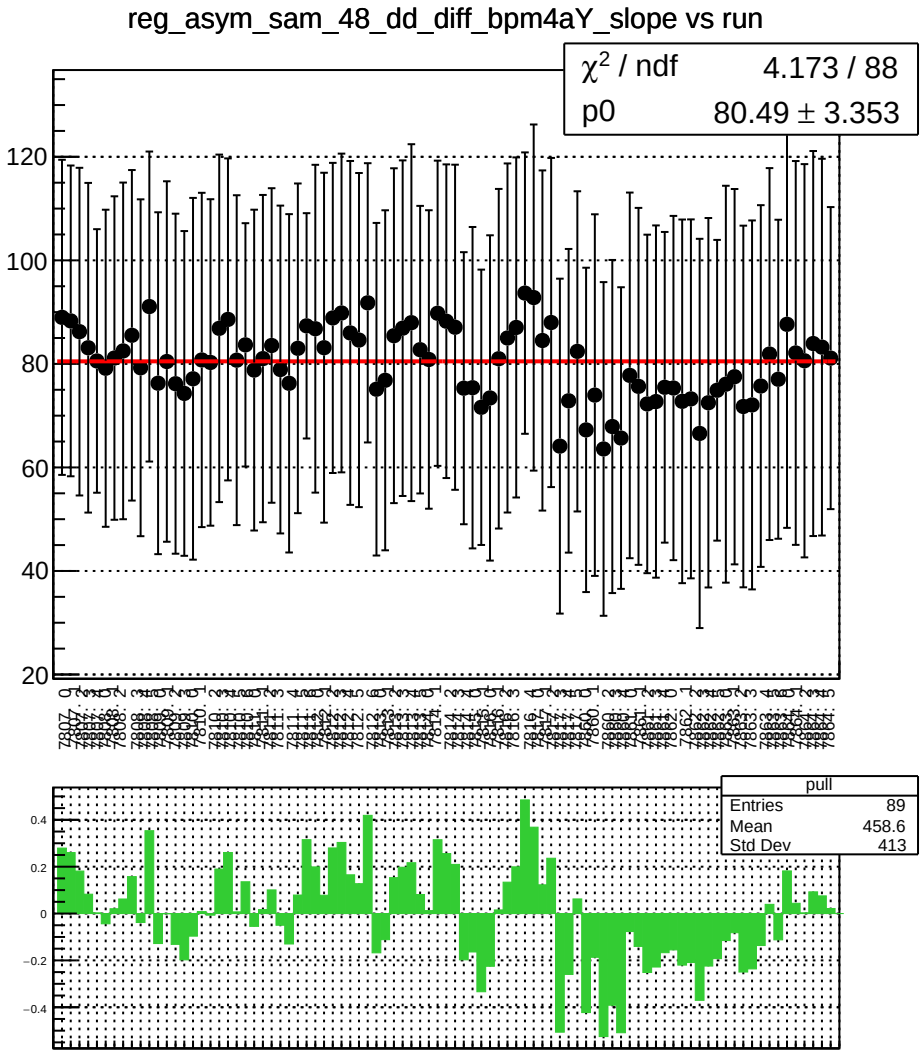

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.203 / 88
p0 42.56 ± 4.844
pull
Entries 89
Mean −77.42
Std Dev 94.19

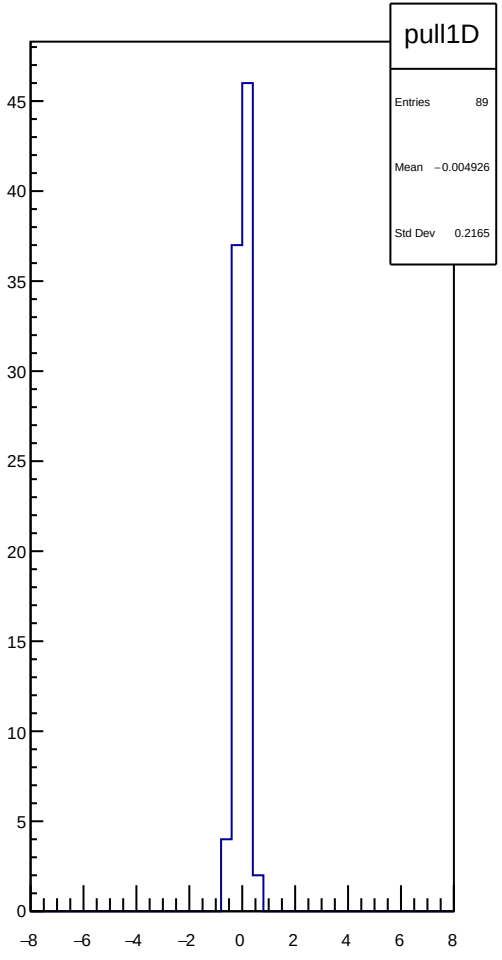

pull1D
Entries 89
Mean −0.0009669
Std Dev 0.1573

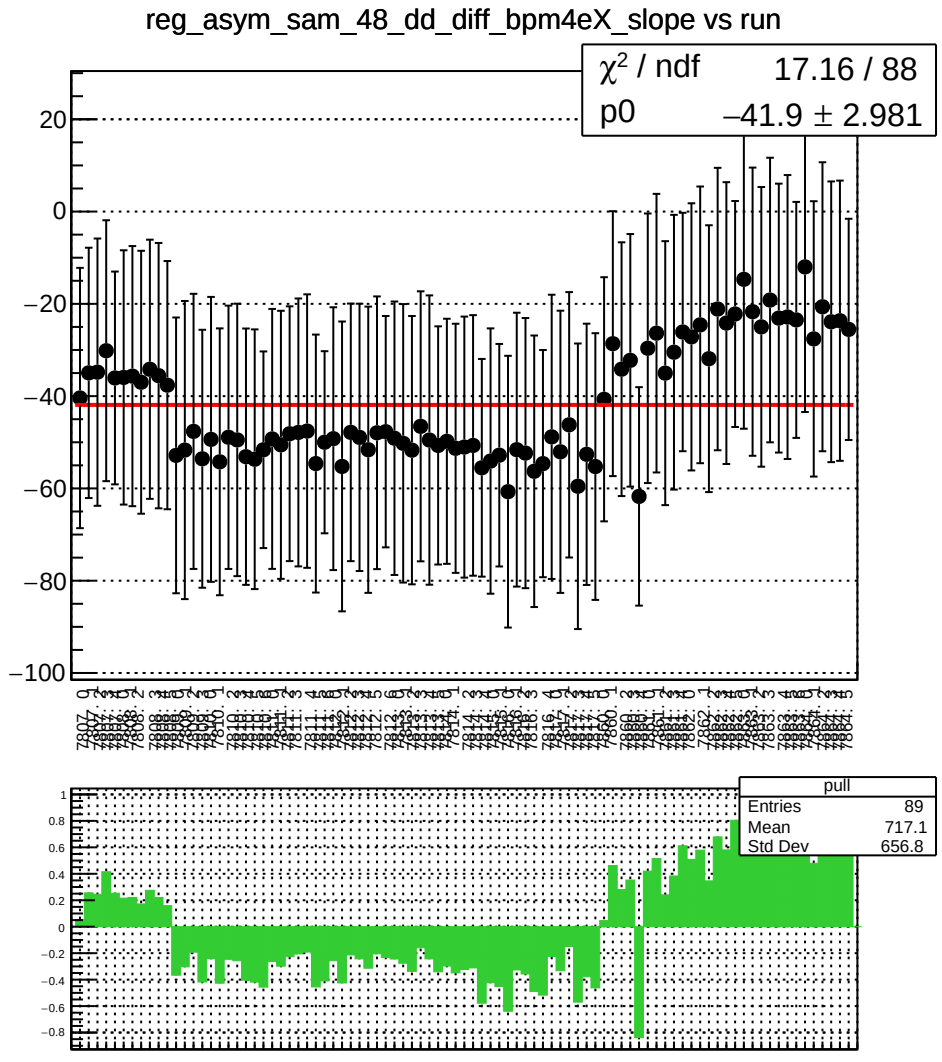

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 34.6 / 88
p0 −1.828 ± 0.1407
pull
Entries 89
Mean 186.4
Std Dev 119.9
pull1D
Entries 89
Mean −0.0527
Std Dev 0.6213

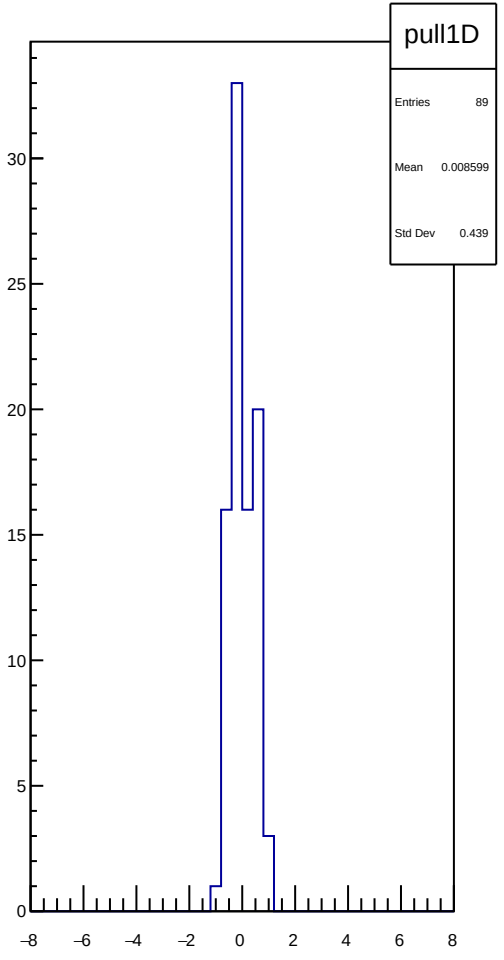

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 23.12 / 88
p0 −51.69 ± 3.298
pull
Entries 89
Mean 353.5
Std Dev 291.5

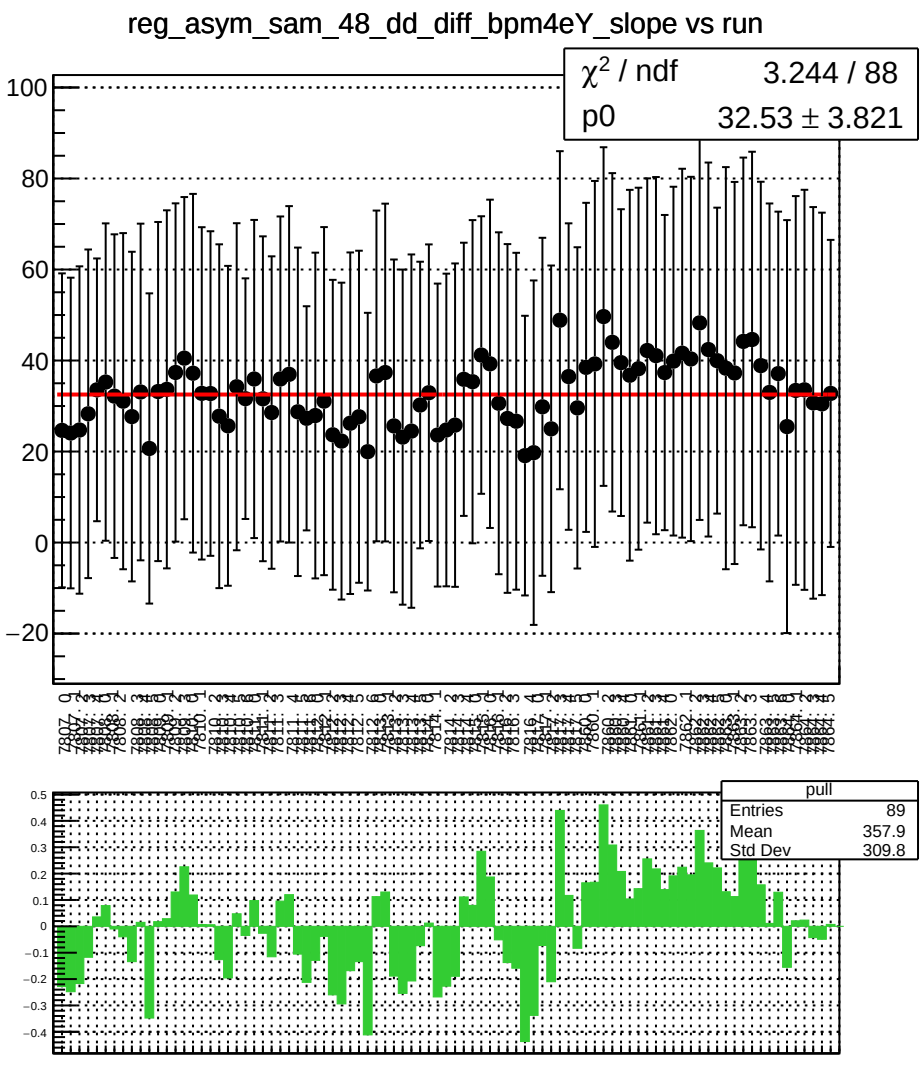

pull1D
Entries 89
Mean −0.02134
Std Dev 0.5092

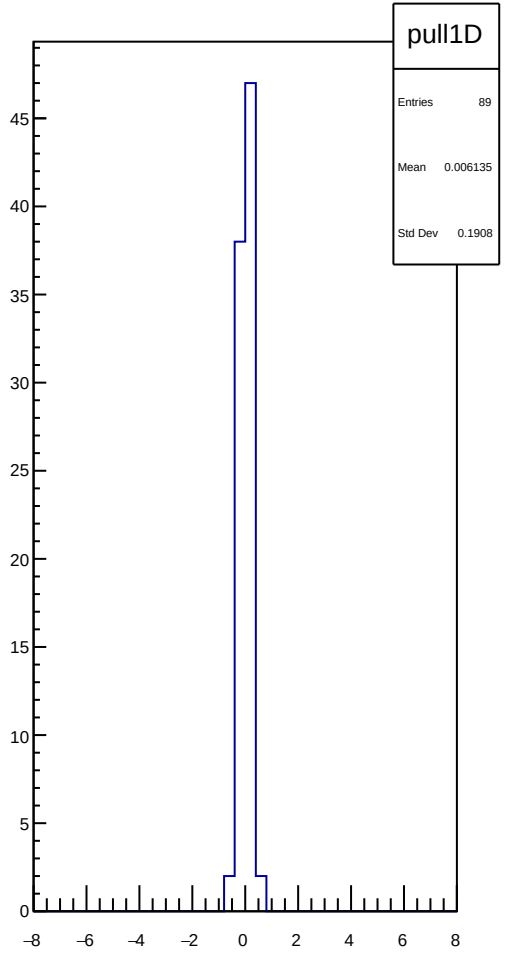

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.173 / 88
p0 80.49 ± 3.353
120
100
80
60
40
20
pull
Entries 89
Mean 458.6
Std Dev 413
0.4
0.2
0
−0.2
−0.4

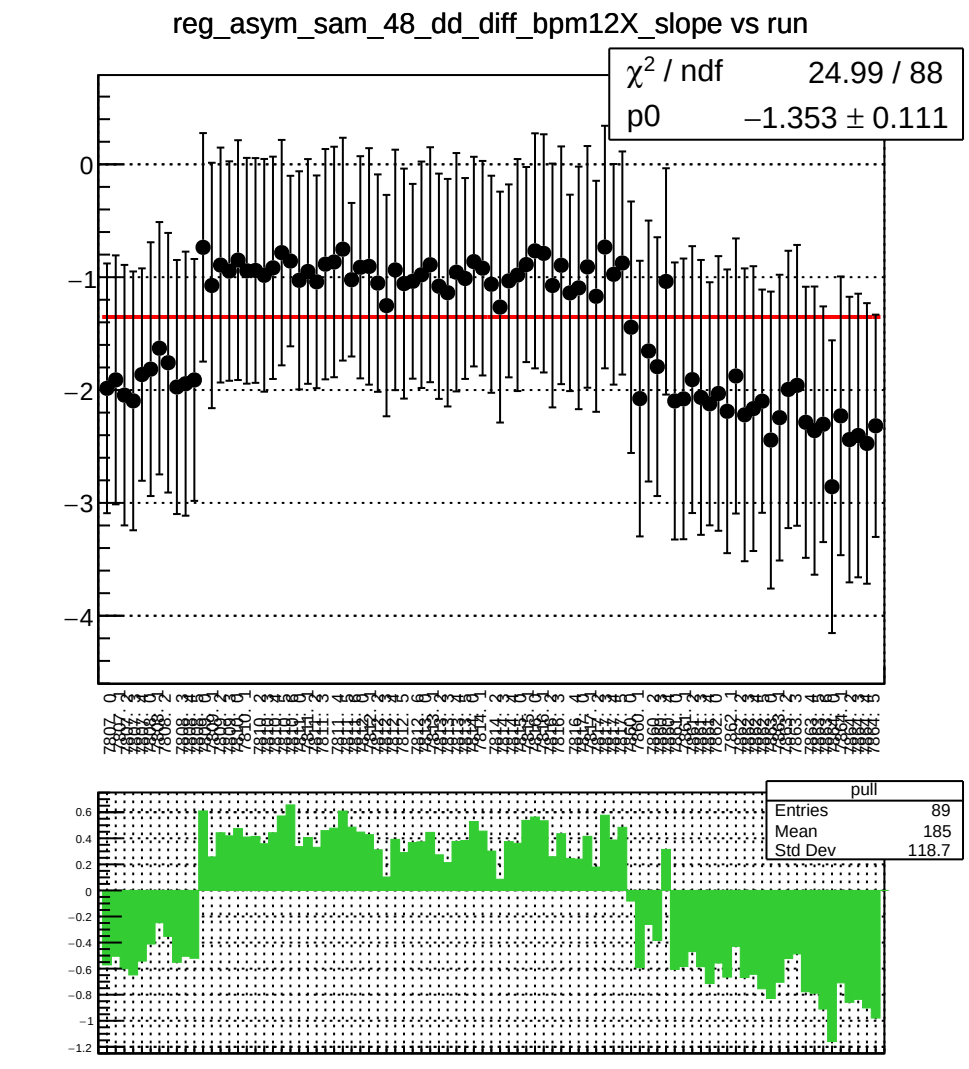

pull1D
Entries 89
Mean −0.004926
Std Dev 0.2165
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

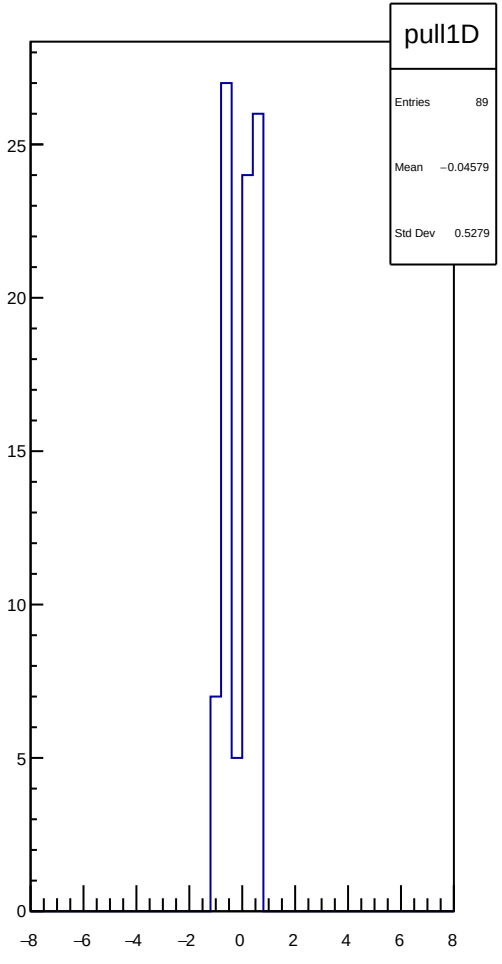

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.16 / 88
p0 −41.9 ± 2.981
pull
Entries 89
Mean 717.1
Std Dev 656.8

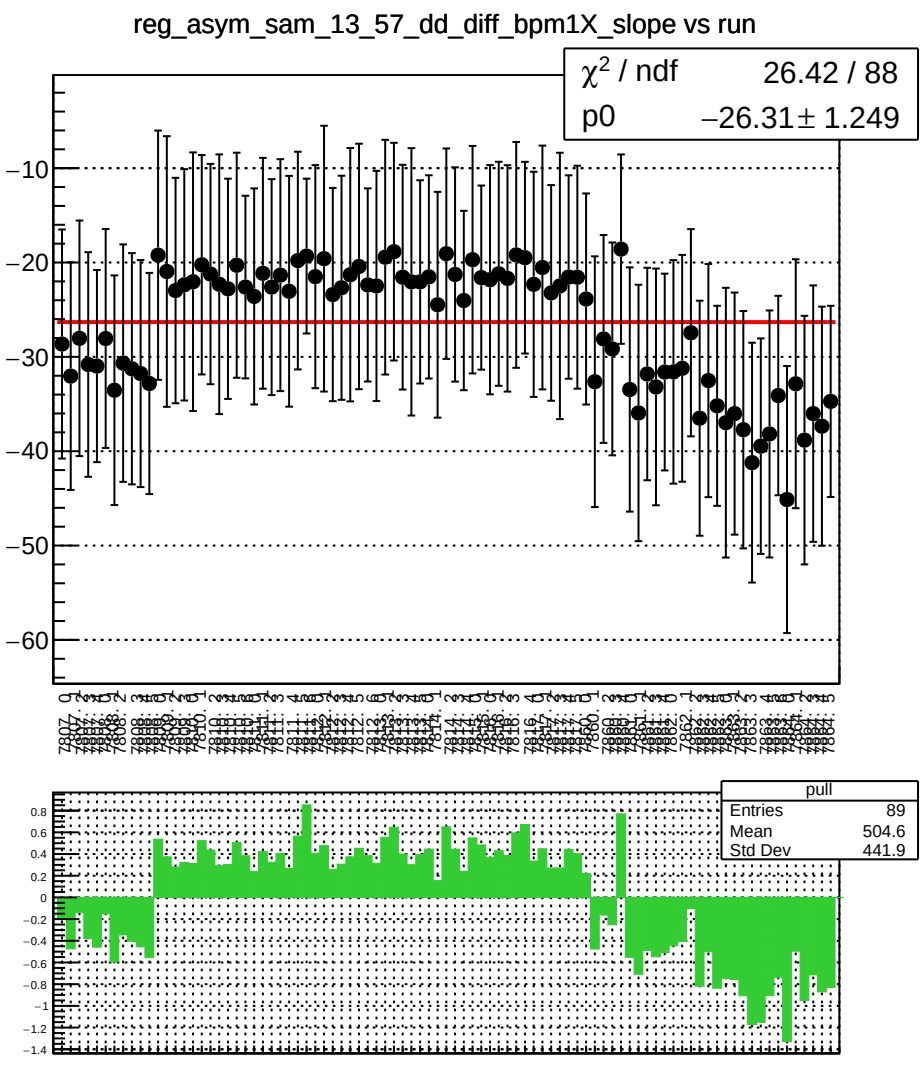

pull1D
Entries 89
Mean 0.008599
Std Dev 0.439

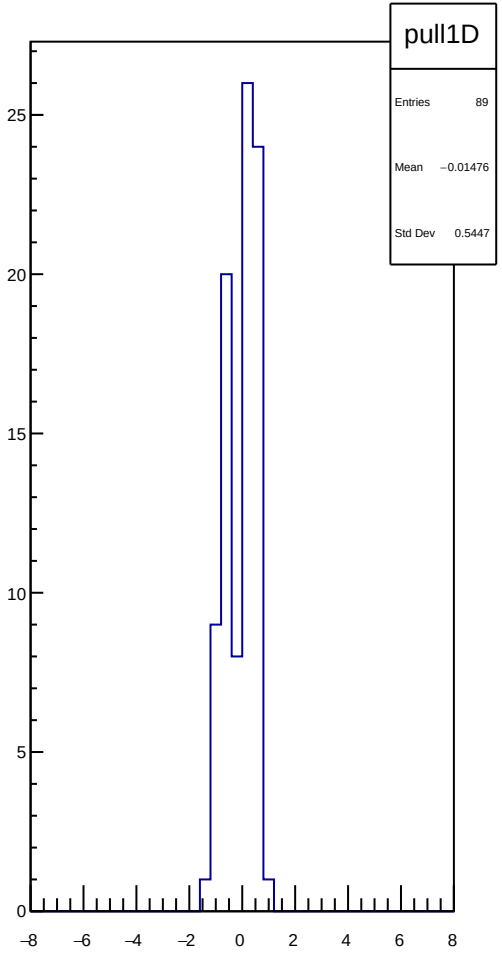

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.244 / 88
p0 32.53 ± 3.821
pull
Entries 89
Mean 357.9
Std Dev 309.8

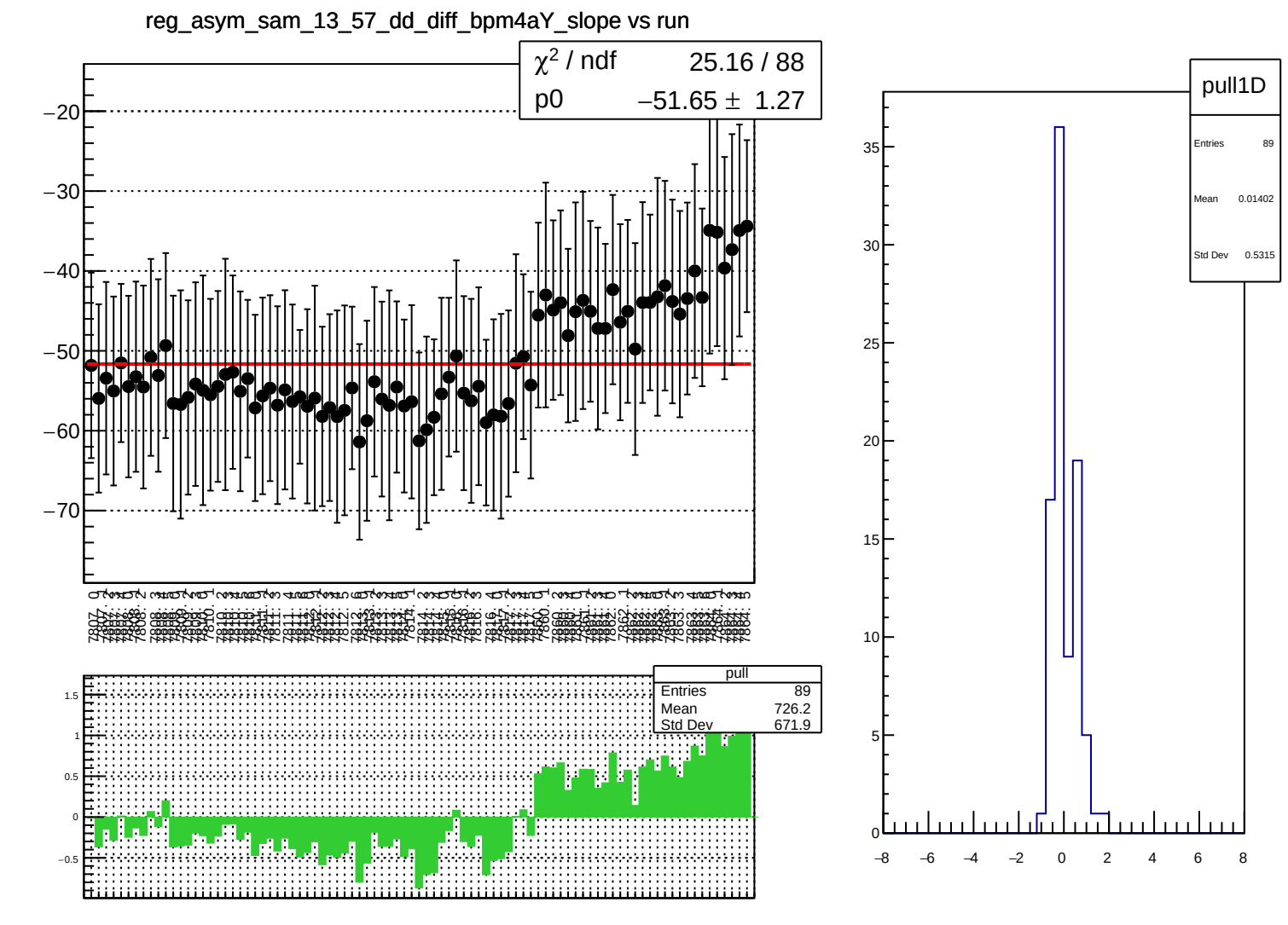

pull1D
Entries 89
Mean 0.006135
Std Dev 0.1908

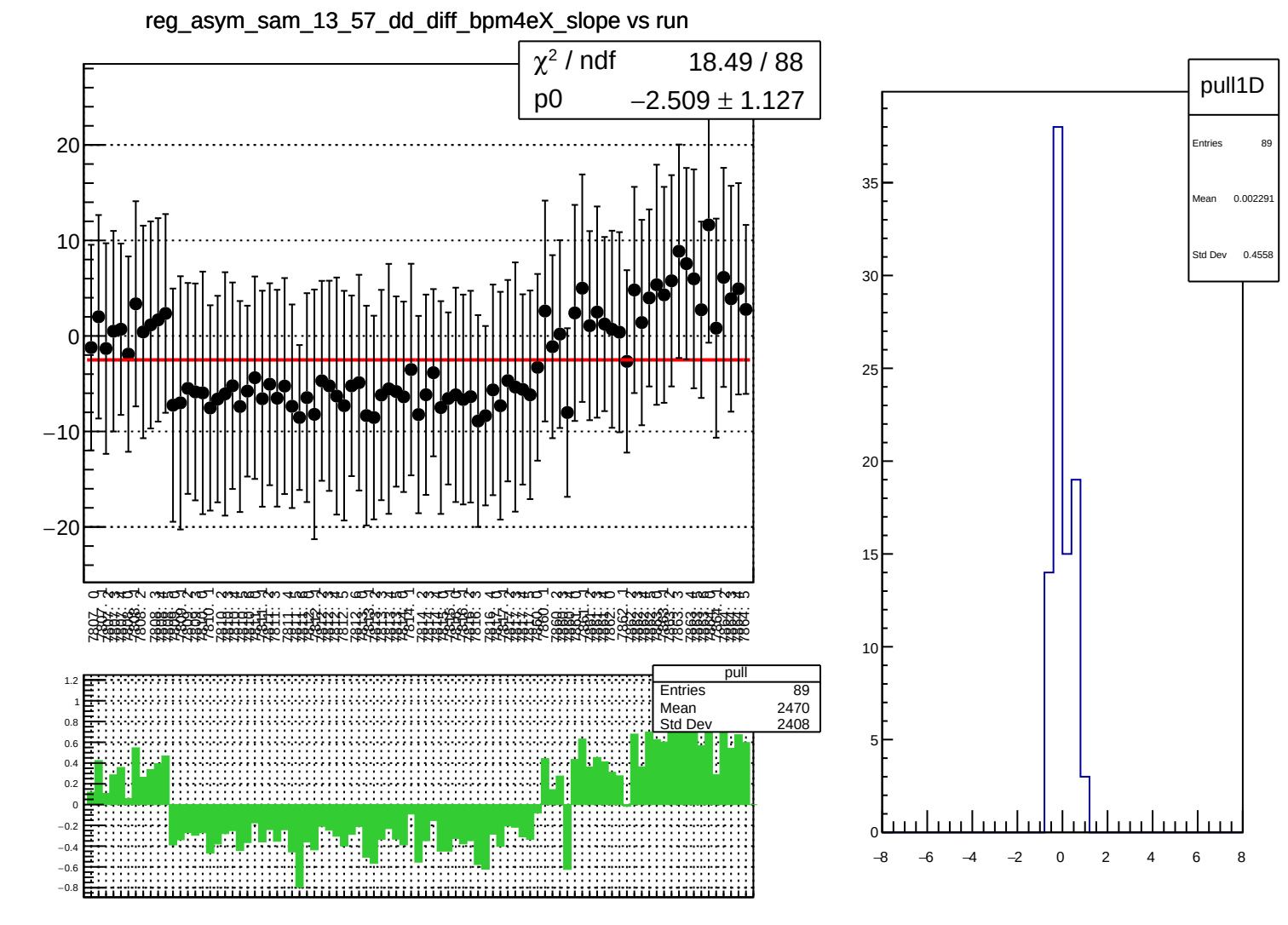

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 24.99 / 88
p0 −1.353 ± 0.111
pull
Entries 89
Mean 185
Std Dev 118.7

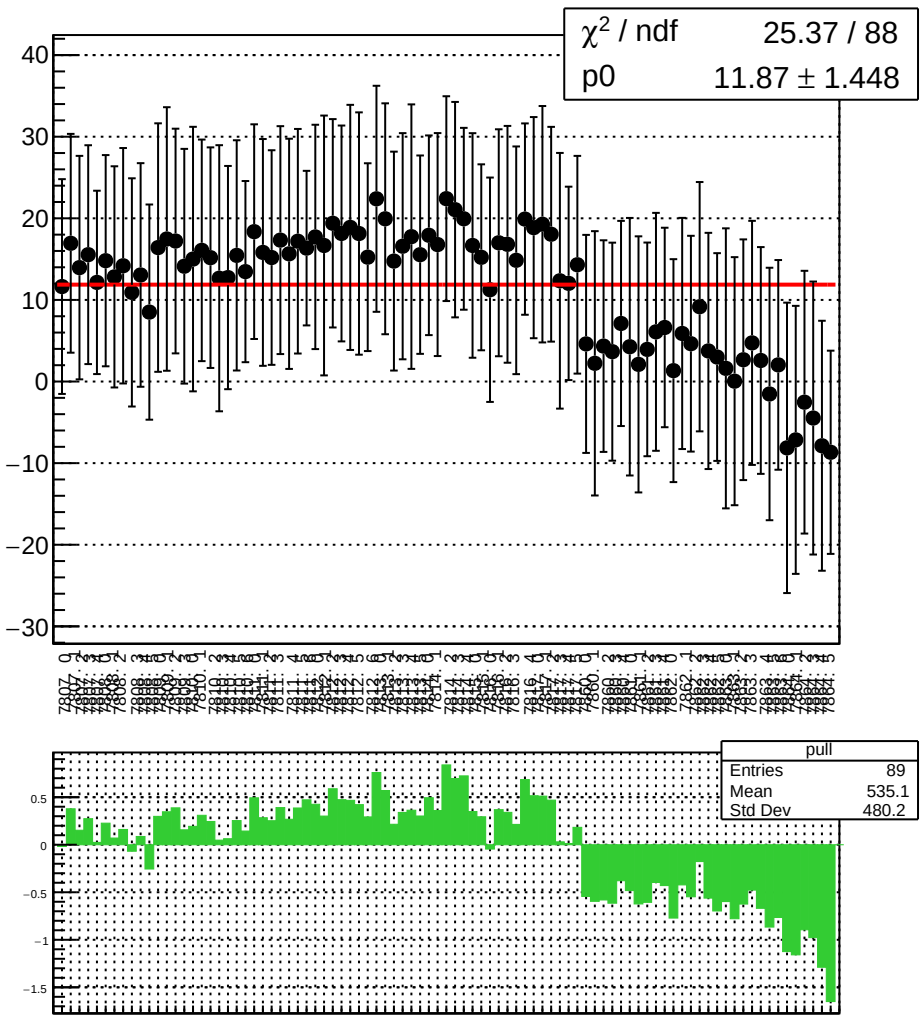

pull1D
Entries 89
Mean −0.04579
Std Dev 0.5279

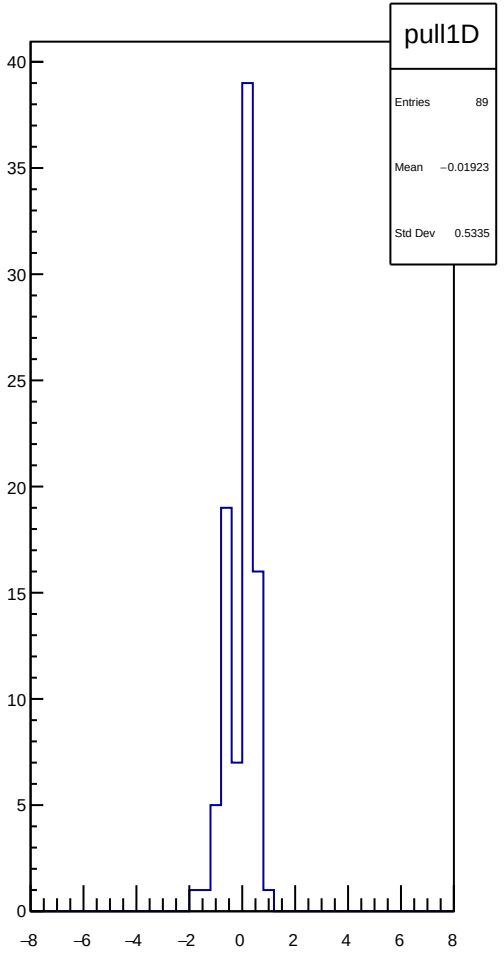

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 26.42 / 88
p0 −26.31 ± 1.249
pull
Entries 89
Mean 504.6
Std Dev 441.9

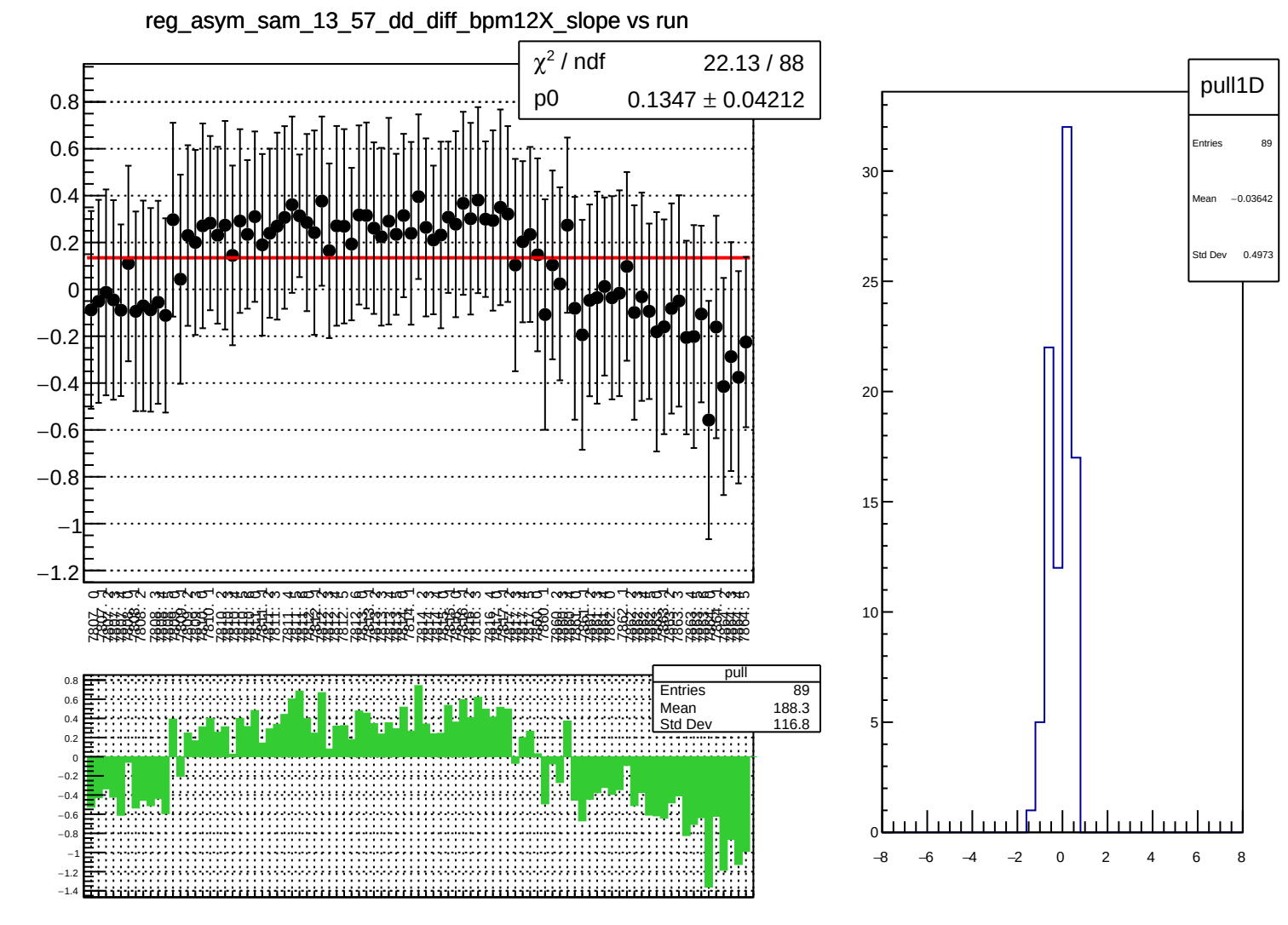

pull1D
Entries 89
Mean −0.01476
Std Dev 0.5447

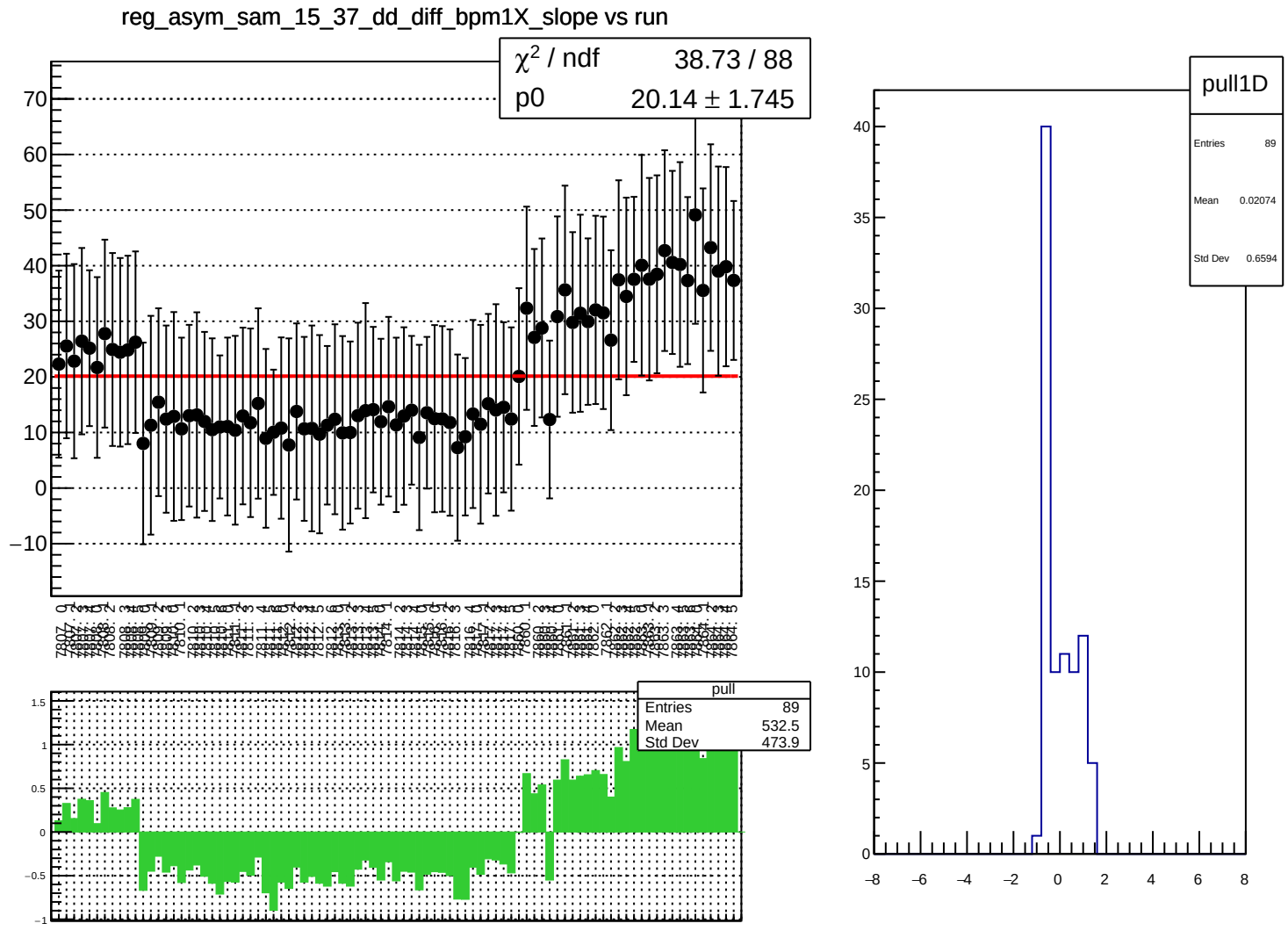

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.16 / 88
p0 −51.65 ± 1.27
−20
−30
−40
−50
−60
−70
pull
Entries 89
Mean 726.2
Std Dev 671.9
1.5
1
0.5
0
−0.5
pull1D
Entries 89
Mean 0.01402
Std Dev 0.5315
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

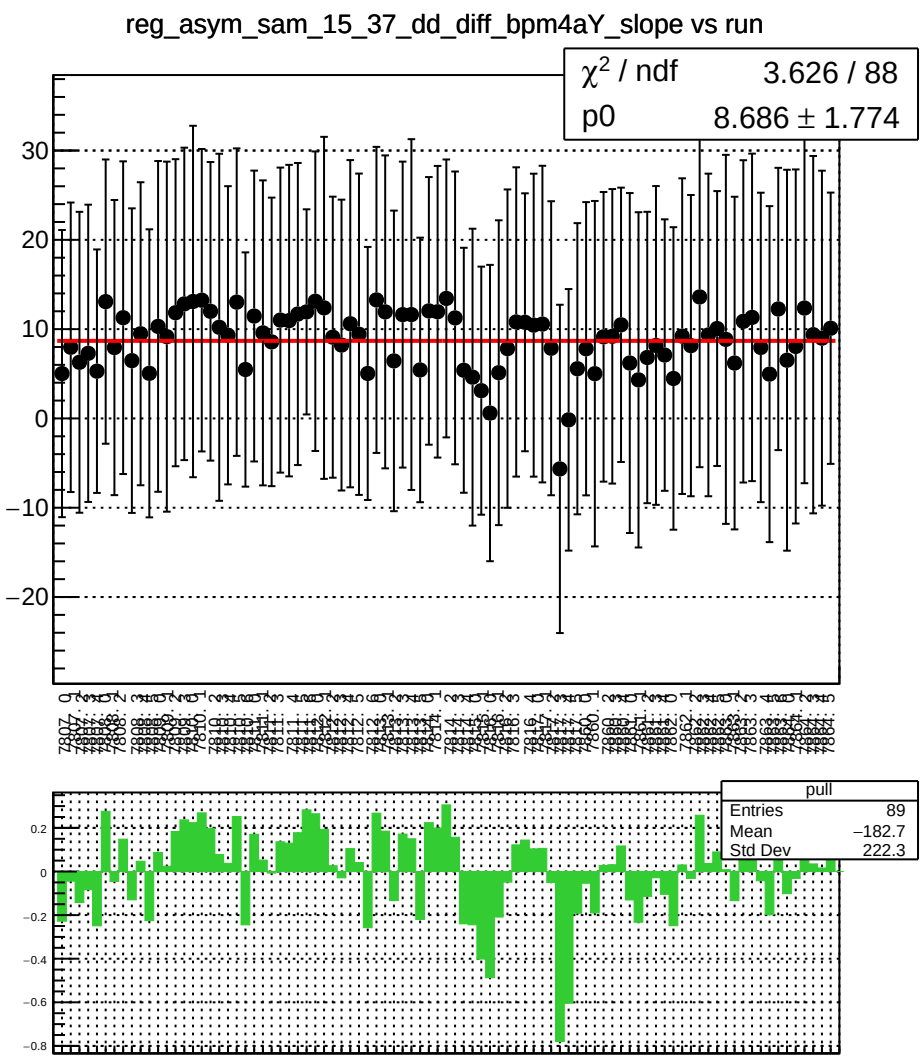

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.49 / 88
p0 −2.509 ± 1.127
pull
Entries 89
Mean 2470
Std Dev 2408
pull1D
Entries 89
Mean 0.002291
Std Dev 0.4558

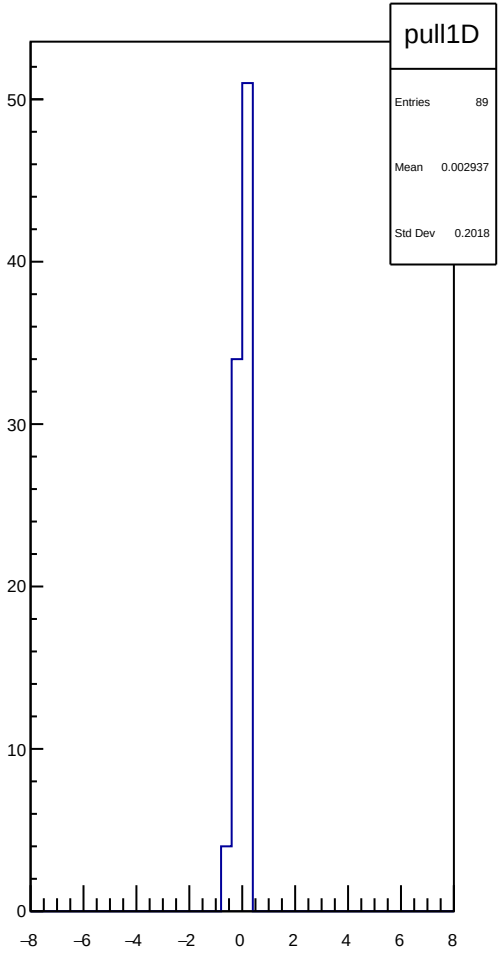

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.37 / 88
p0 11.87 ± 1.448
pull
Entries 89
Mean 535.1
Std Dev 480.2

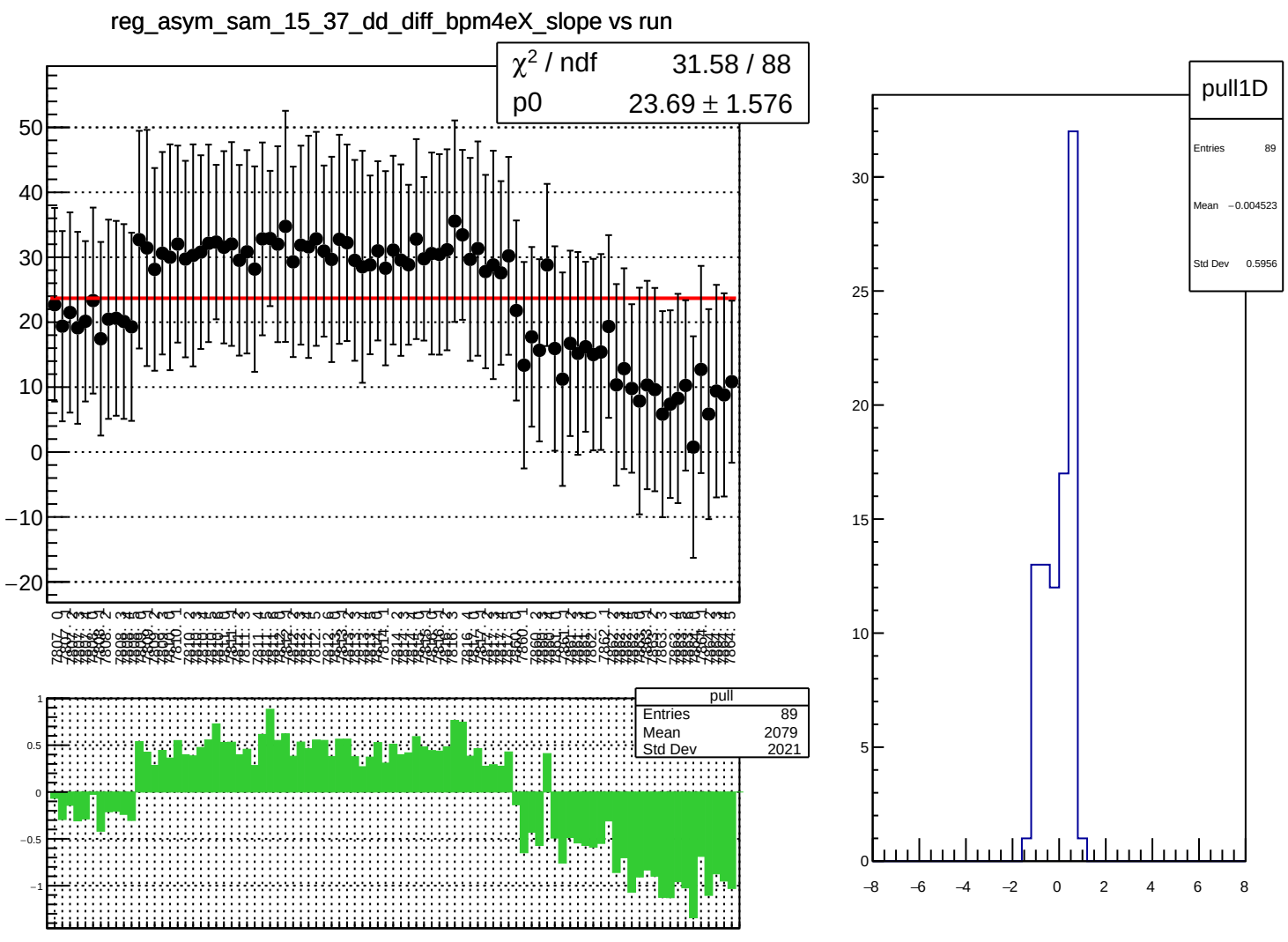

pull1D
Entries 89
Mean −0.01923
Std Dev 0.5335

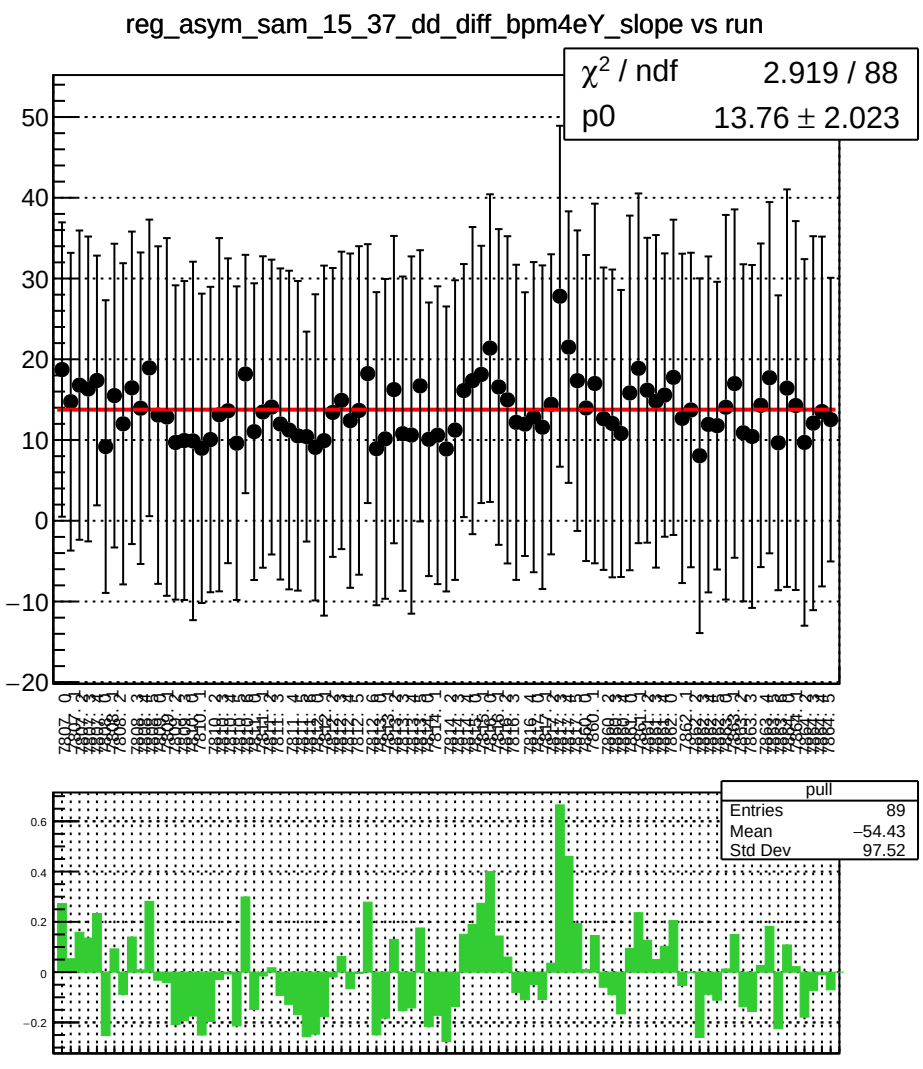

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 22.13 / 88
p0 0.1347 ± 0.04212
pull
Entries 89
Mean 188.3
Std Dev 116.8
pull1D
Entries 89
Mean −0.03642
Std Dev 0.4973

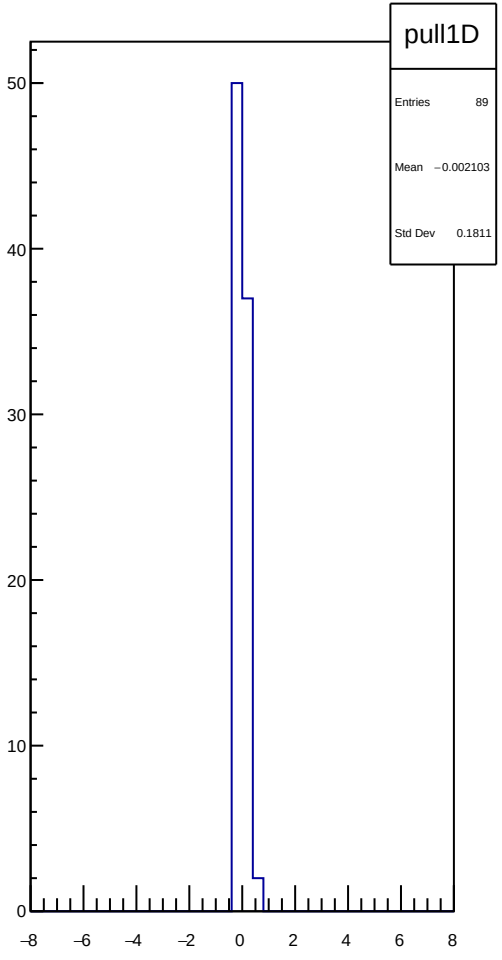

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 38.73 / 88
p0 20.14 ± 1.745
pull
Entries 89
Mean 532.5
Std Dev 473.9
pull1D
Entries 89
Mean 0.02074
Std Dev 0.6594

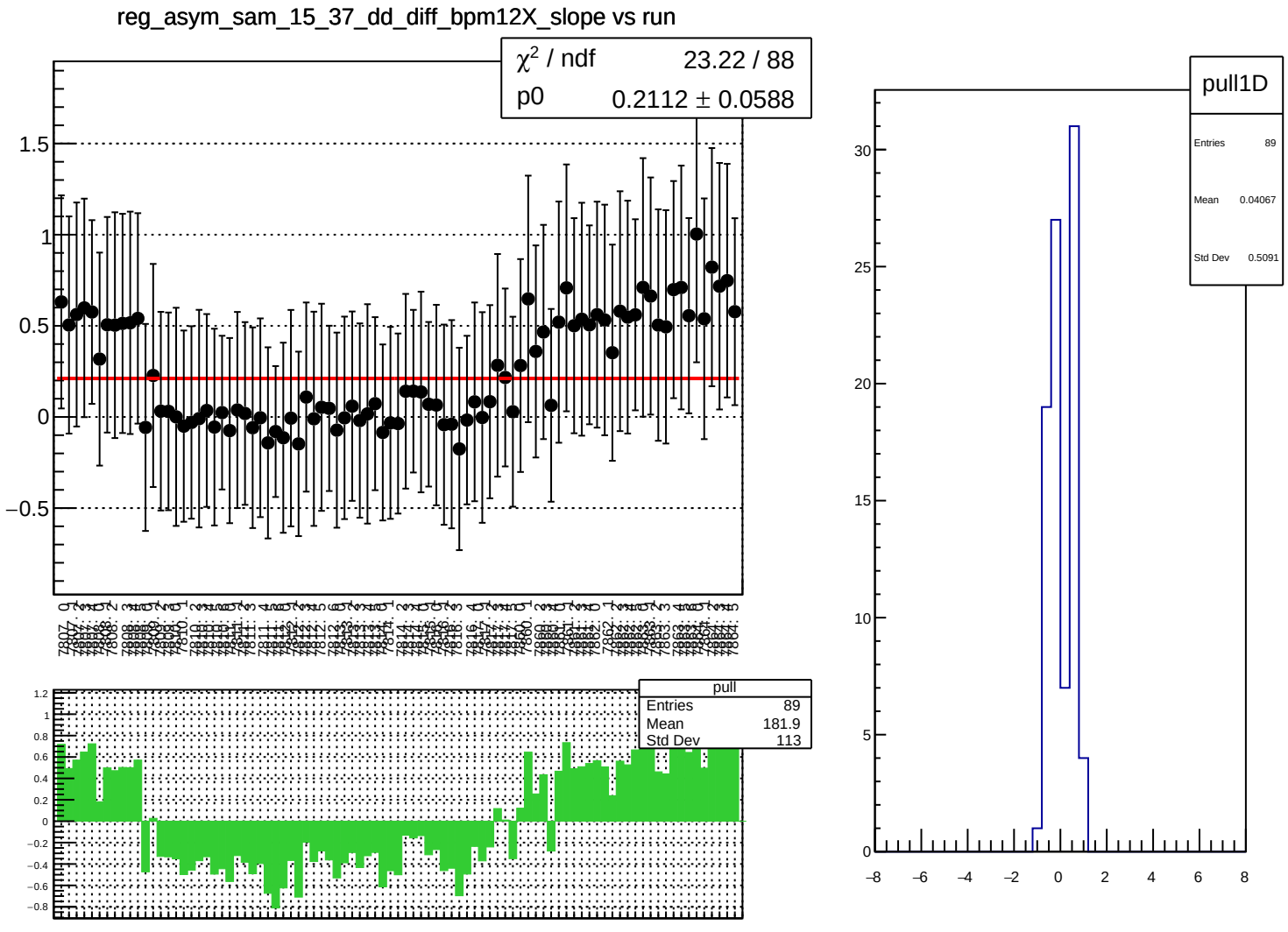

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.626 / 88
p0 8.686 ± 1.774
pull
Entries 89
Mean −182.7
Std Dev 222.3

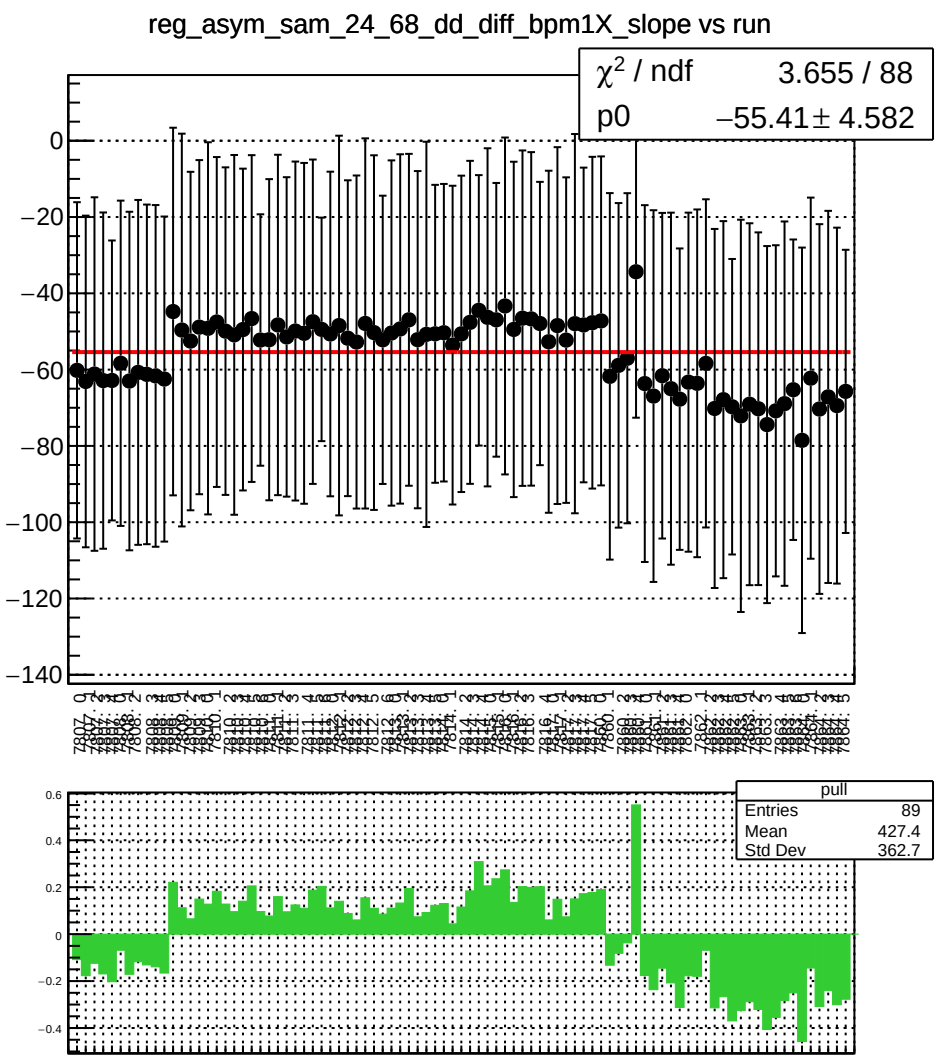

pull1D
Entries 89
Mean 0.002937
Std Dev 0.2018

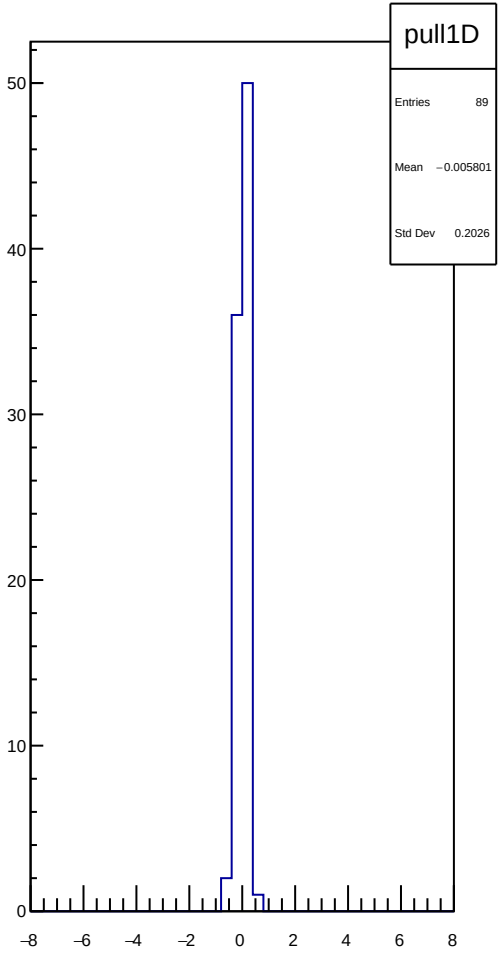

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.58 / 88
p0 23.69 ± 1.576
pull
Entries 89
Mean 2079
Std Dev 2021
pull1D
Entries 89
Mean −0.004523
Std Dev 0.5956

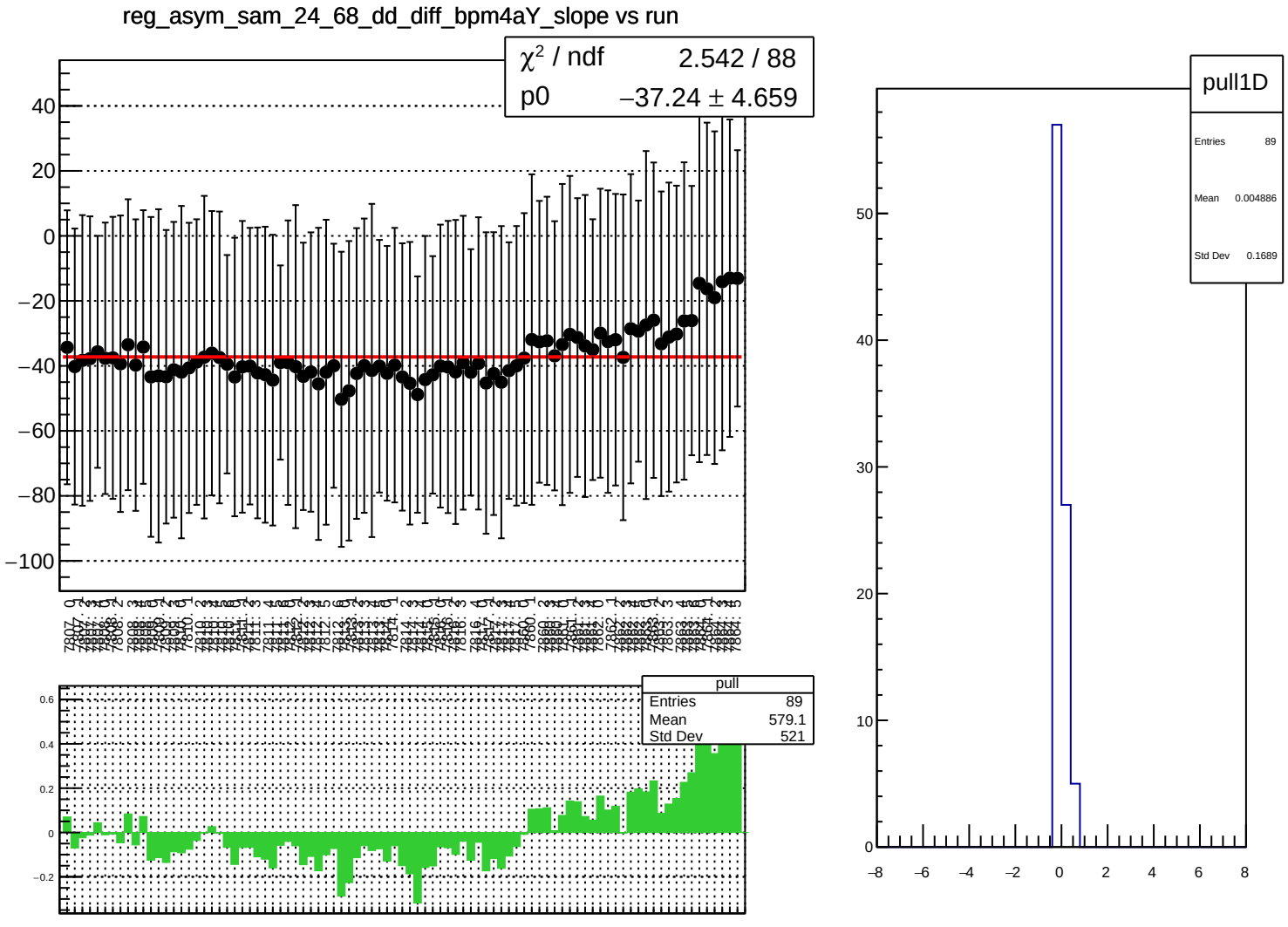

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.919 / 88
p0 13.76 ± 2.023
pull
Entries 89
Mean −54.43
Std Dev 97.52

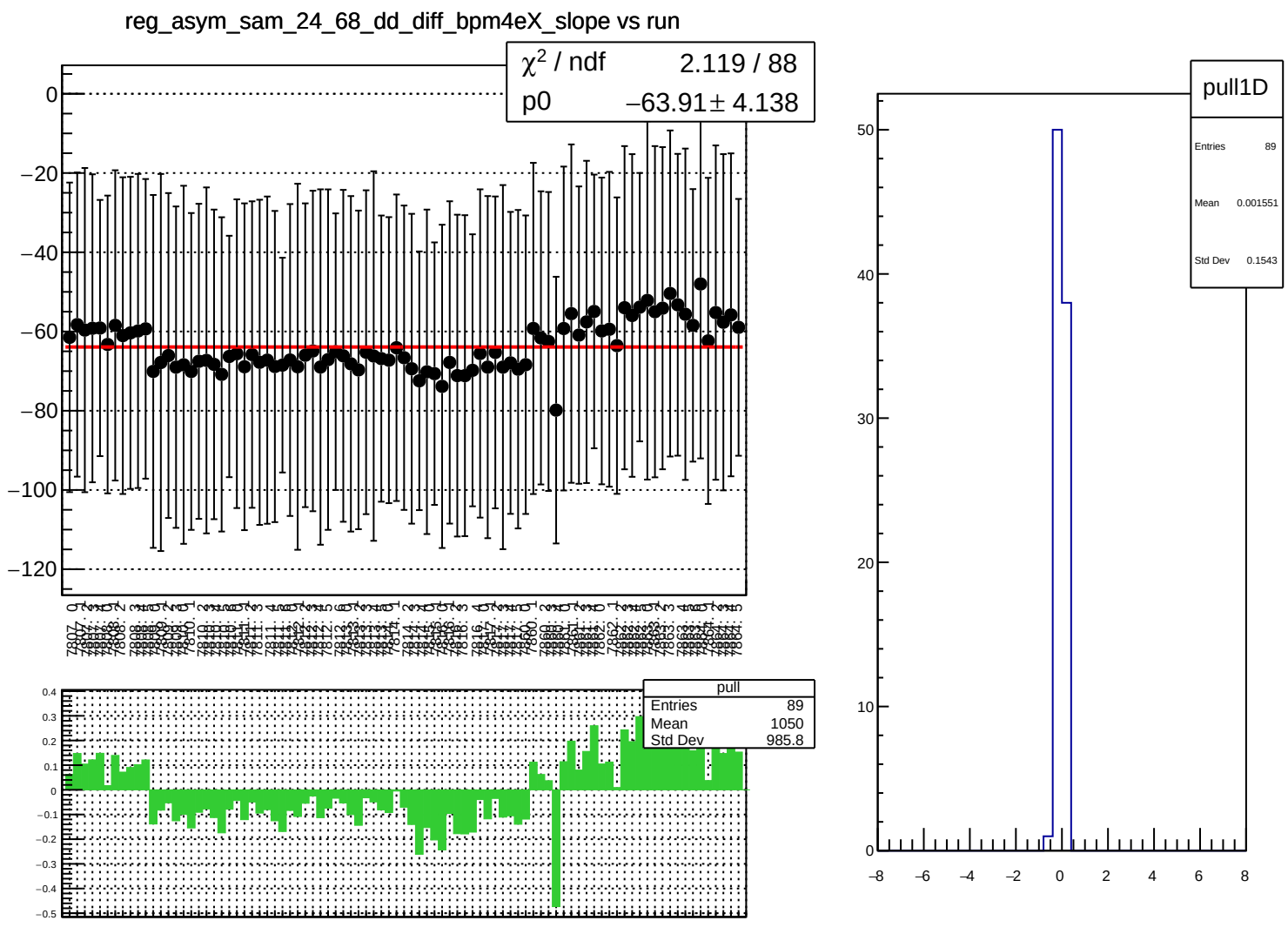

pull1D
Entries 89
Mean −0.002103
Std Dev 0.1811

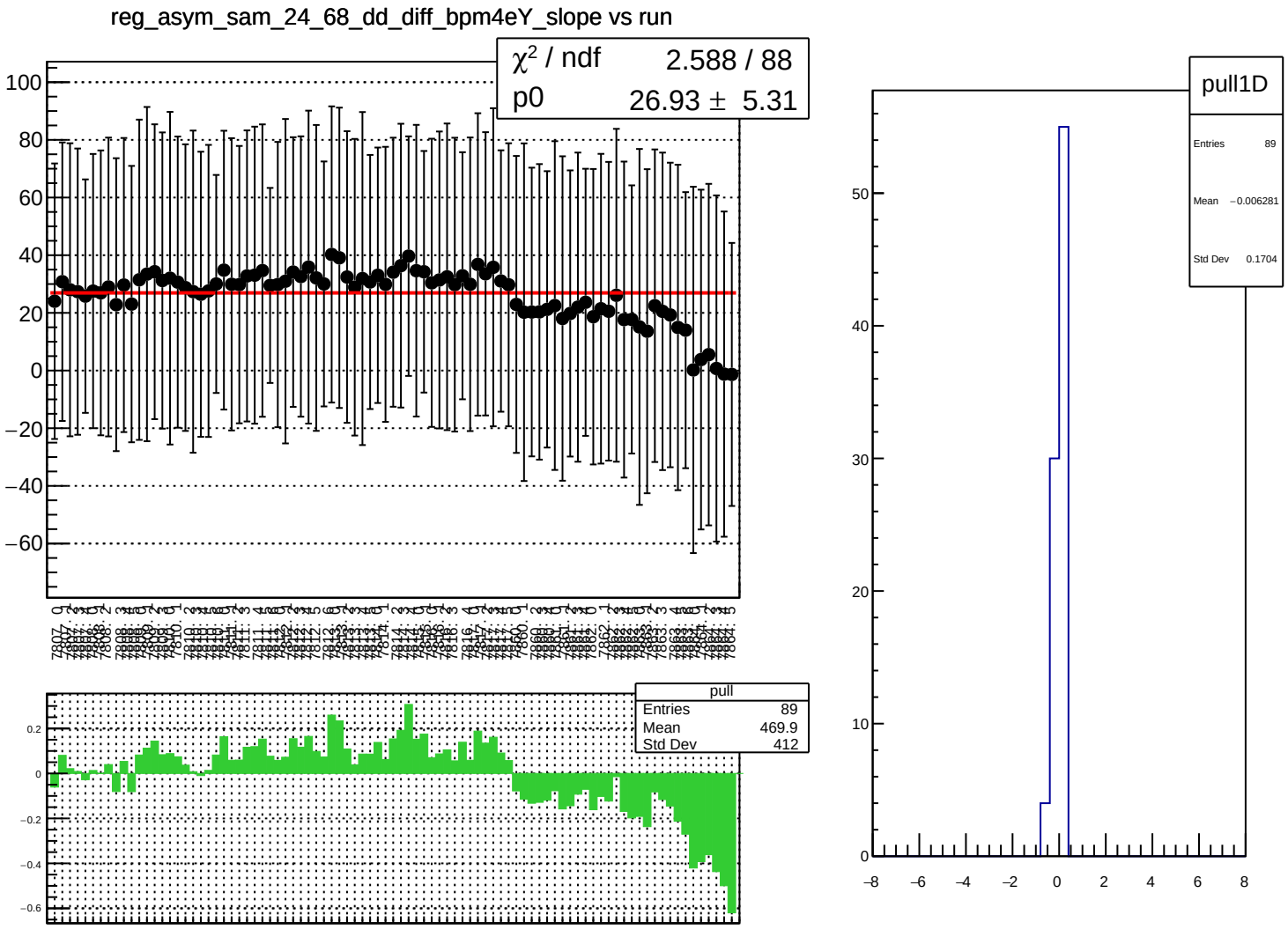

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 23.22 / 88
p0 0.2112 ± 0.0588
pull
Entries 89
Mean 181.9
Std Dev 113
pull1D
Entries 89
Mean 0.04067
Std Dev 0.5091

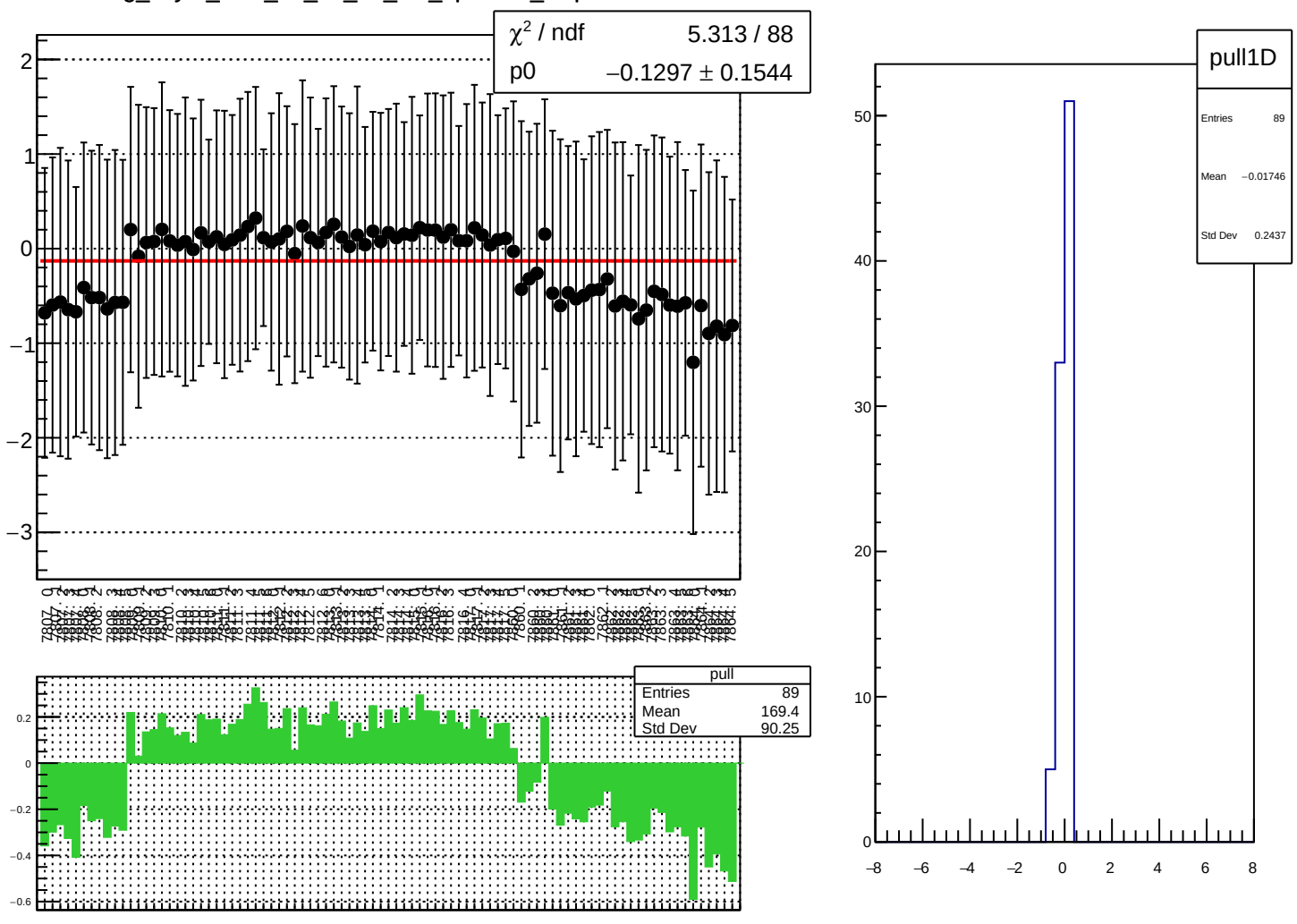

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 3.655 / 88
p0 −55.41 ± 4.582
pull
Entries 89
Mean 427.4
Std Dev 362.7

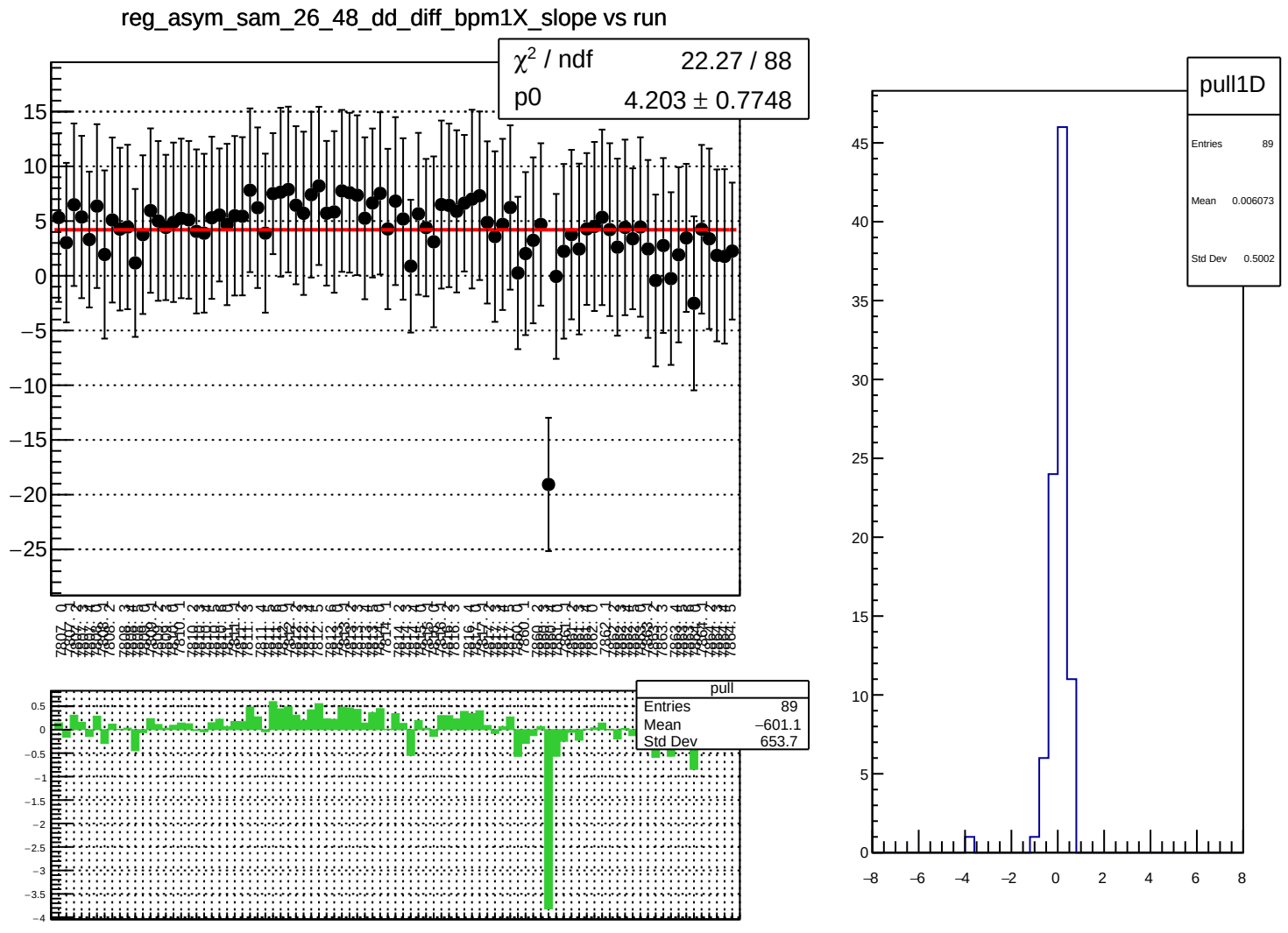

pull1D
Entries 89
Mean −0.005801
Std Dev 0.2026

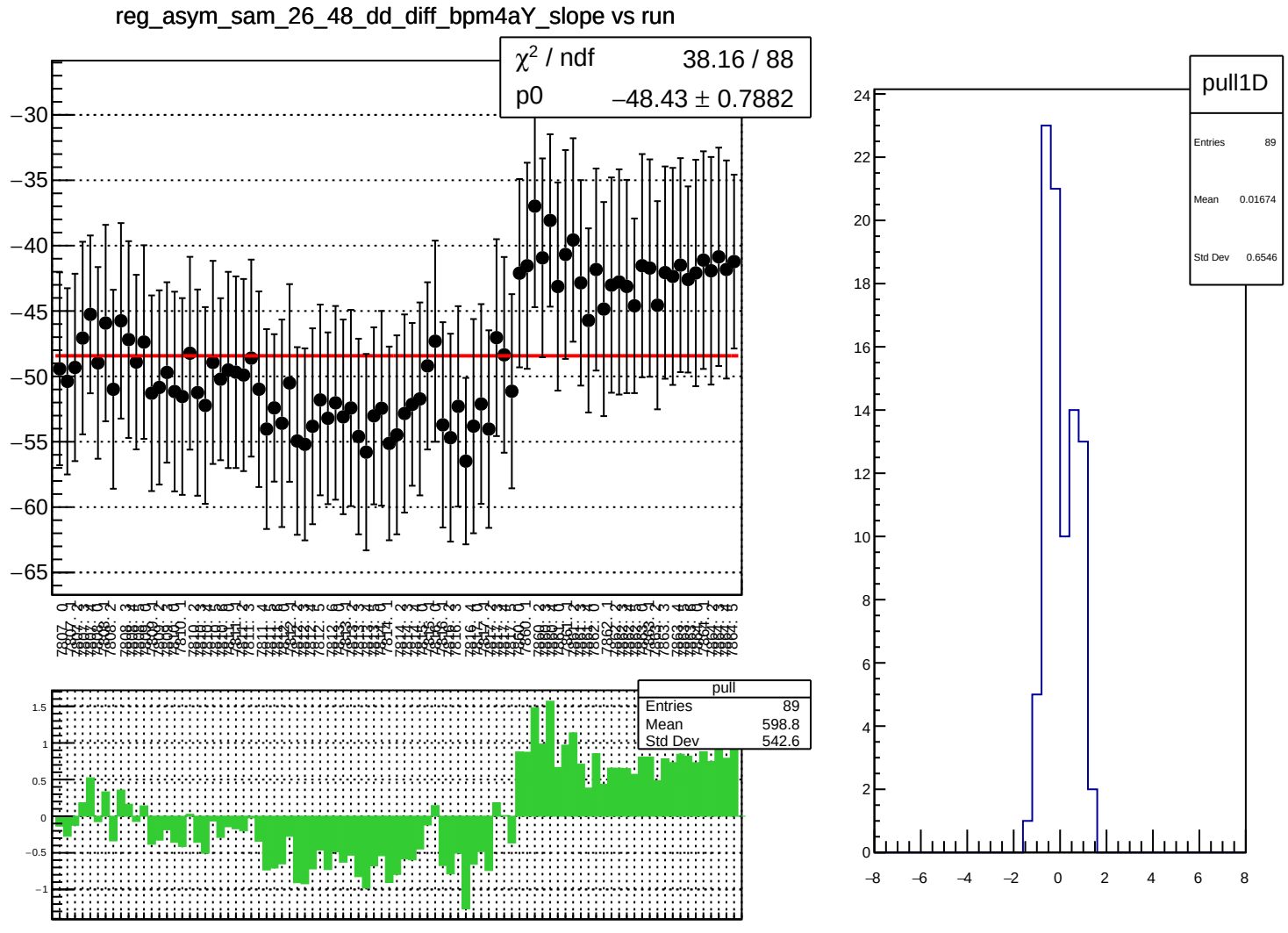

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.542 / 88
p0 −37.24 ± 4.659
pull
Entries 89
Mean 579.1
Std Dev 521
pull1D
Entries 89
Mean 0.004886
Std Dev 0.1689

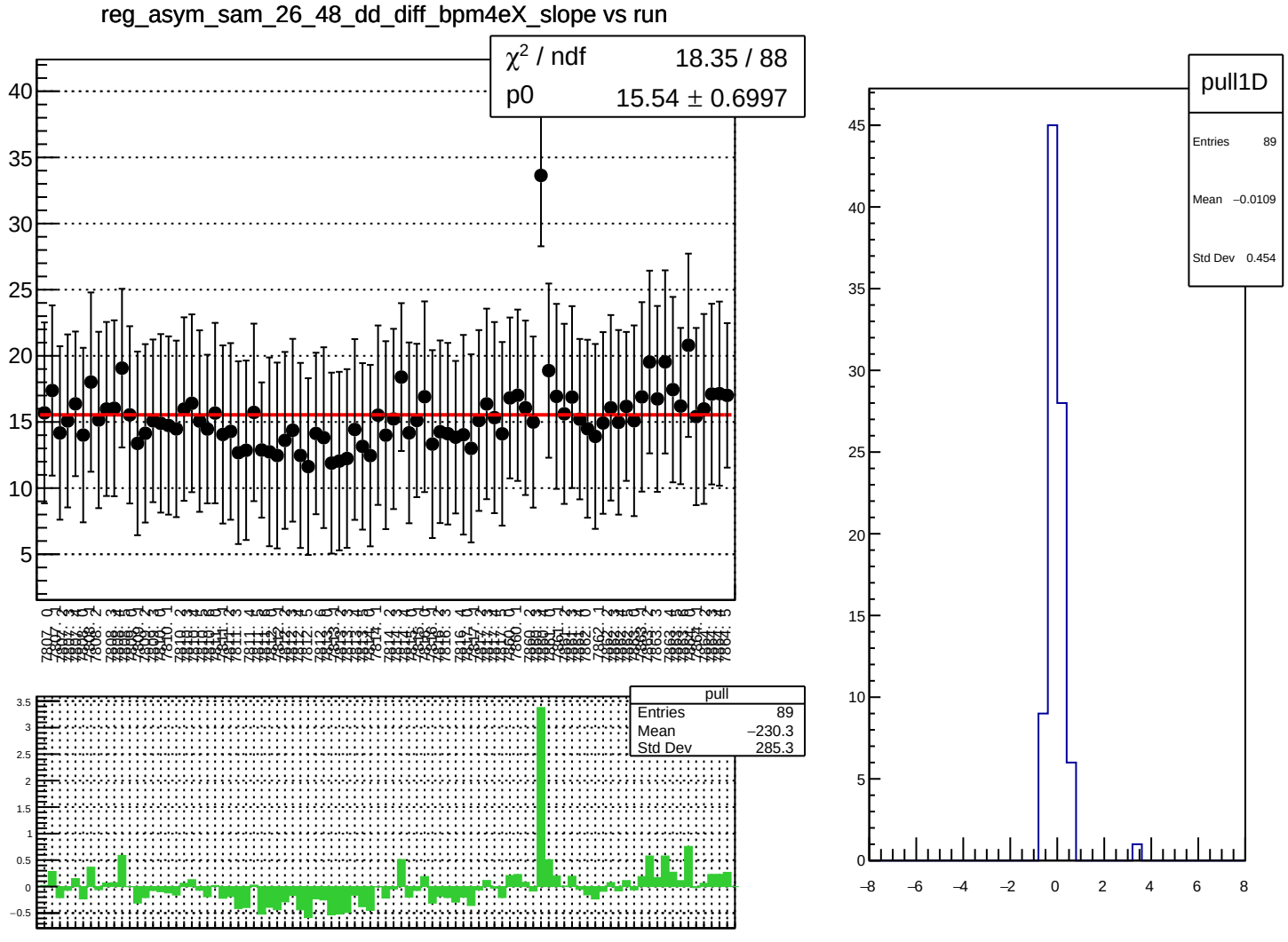

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.119 / 88
p0 −63.91 ± 4.138
pull
Entries 89
Mean 1050
Std Dev 985.8
pull1D
Entries 89
Mean 0.001551
Std Dev 0.1543

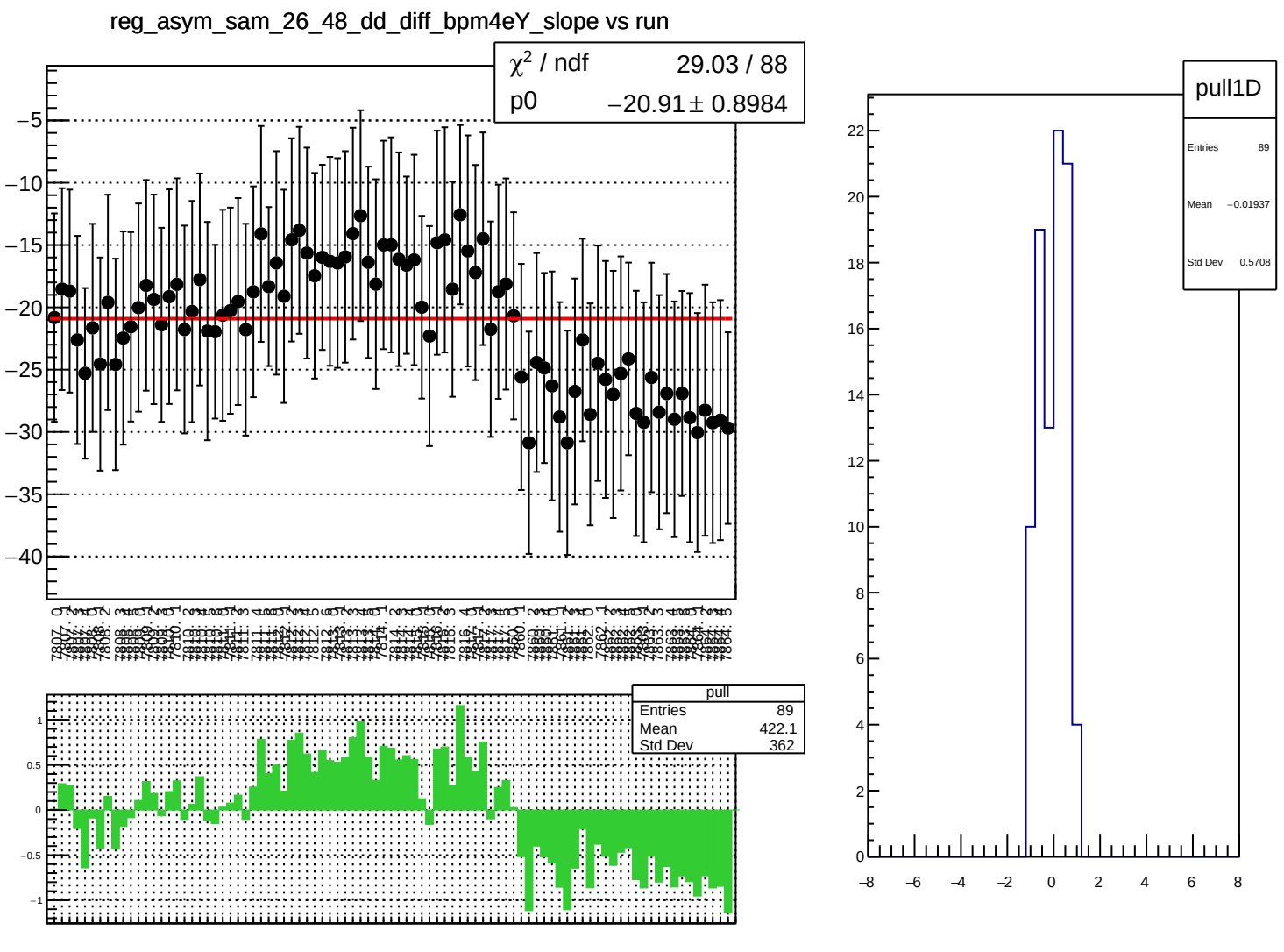

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.588 / 88
p0 26.93 ± 5.31
pull
Entries 89
Mean 469.9
Std Dev 412
pull1D
Entries 89
Mean −0.006281
Std Dev 0.1704

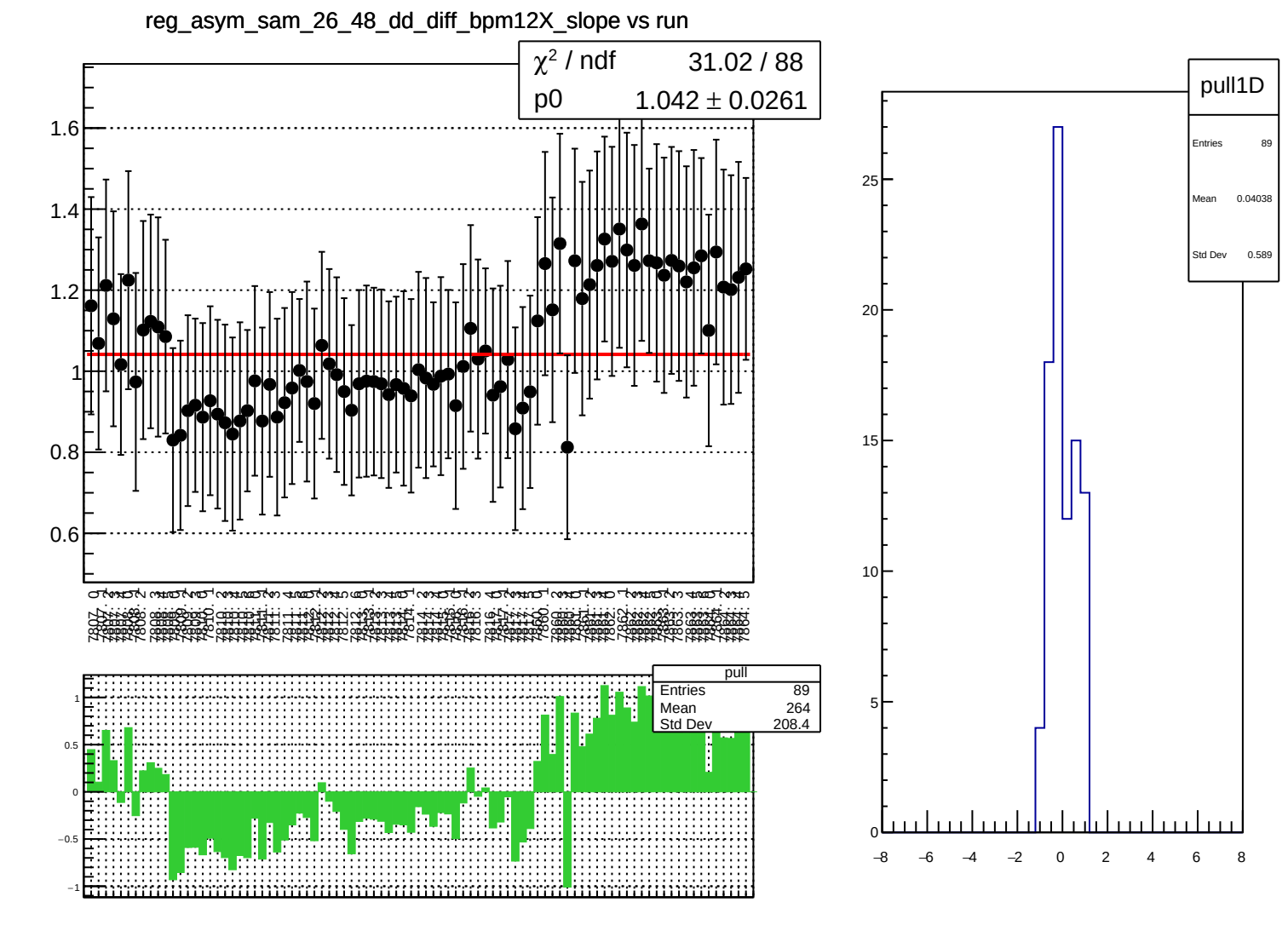

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 5.313 / 88
p0 −0.1297 ± 0.1544
pull
Entries 89
Mean 169.4
Std Dev 90.25
pull1D
Entries 89
Mean −0.01746
Std Dev 0.2437

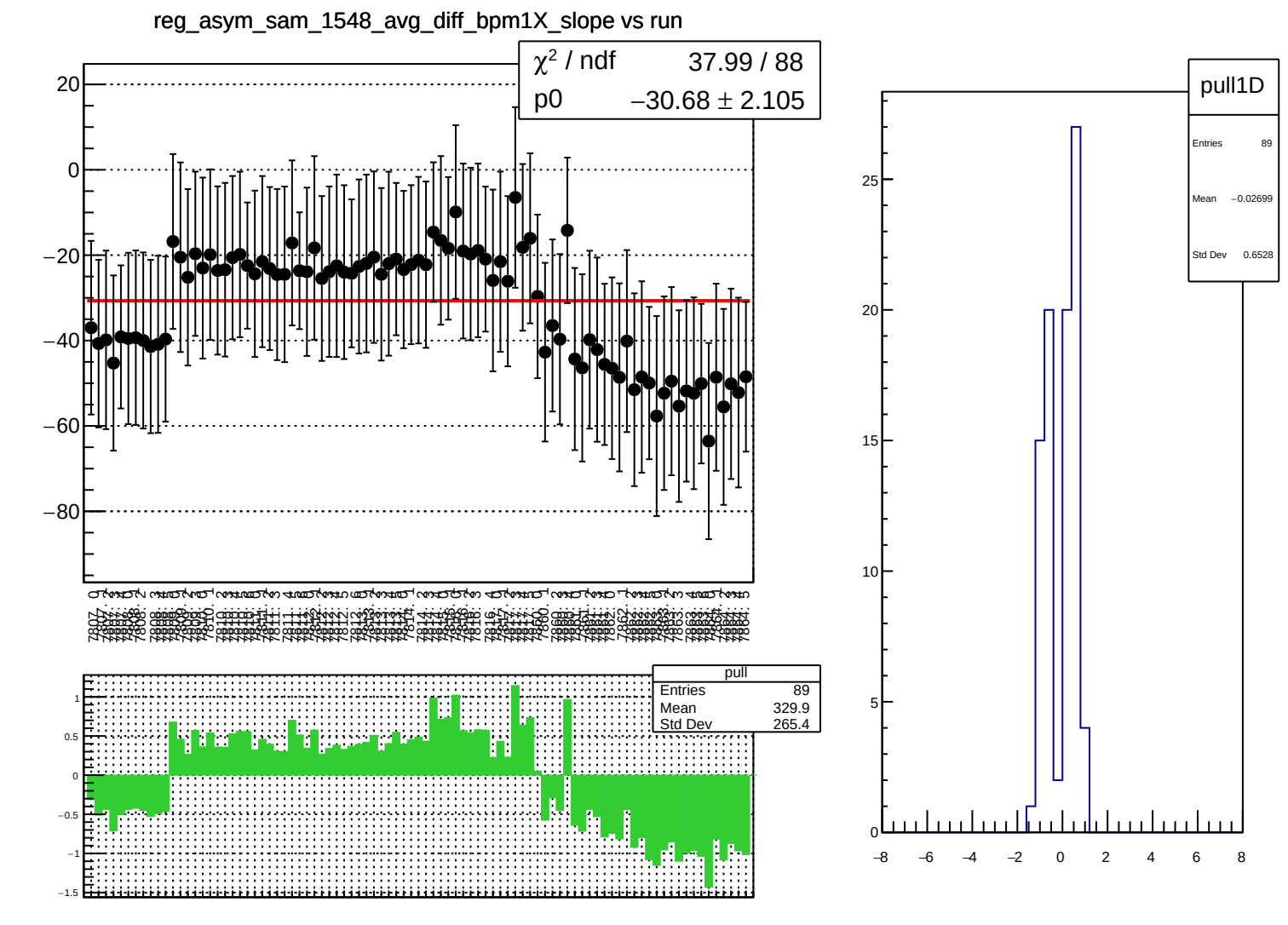

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 22.27 / 88
p0 4.203 ± 0.7748
pull
Entries 89
Mean −601.1
Std Dev 653.7
pull1D
Entries 89
Mean 0.006073
Std Dev 0.5002

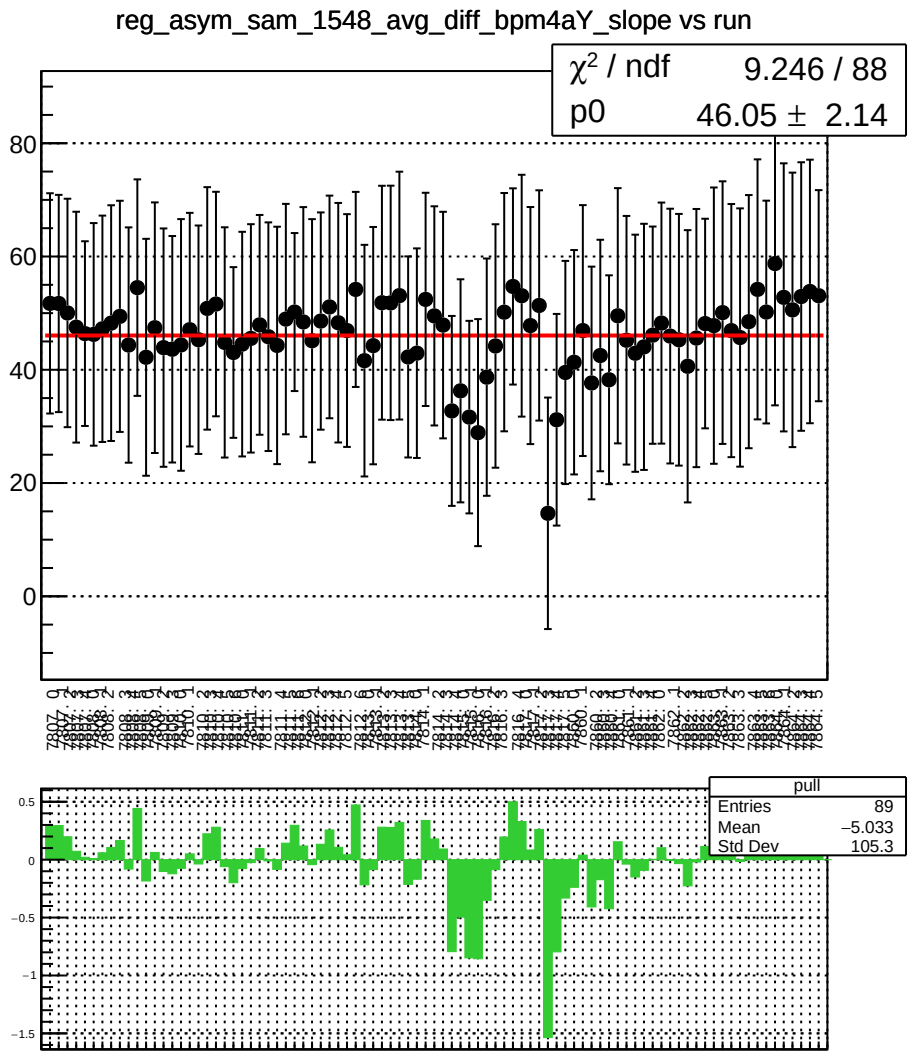

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.16 / 88
p0 −48.43 ± 0.7882
pull
Entries 89
Mean 598.8
Std Dev 542.6
pull1D
Entries 89
Mean 0.01674
Std Dev 0.6546

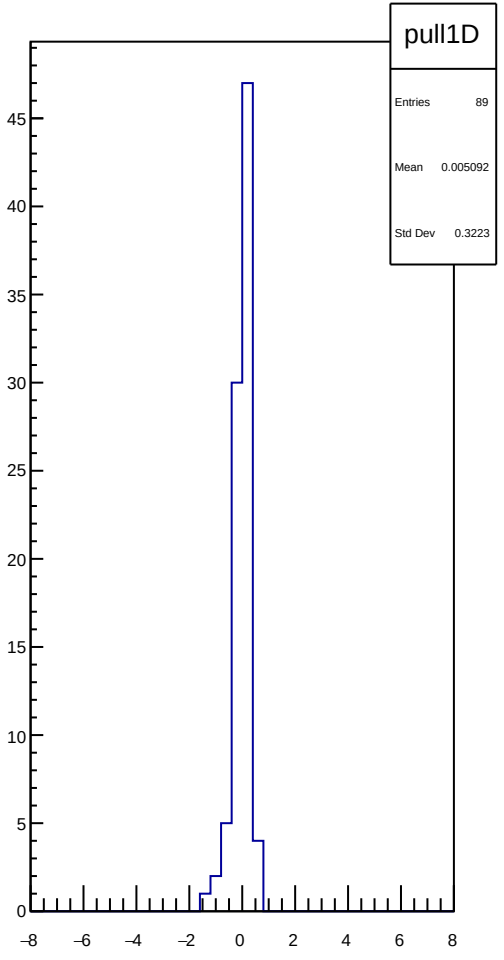

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.35 / 88
p0 15.54 ± 0.6997
pull
Entries 89
Mean −230.3
Std Dev 285.3
pull1D
Entries 89
Mean −0.0109
Std Dev 0.454

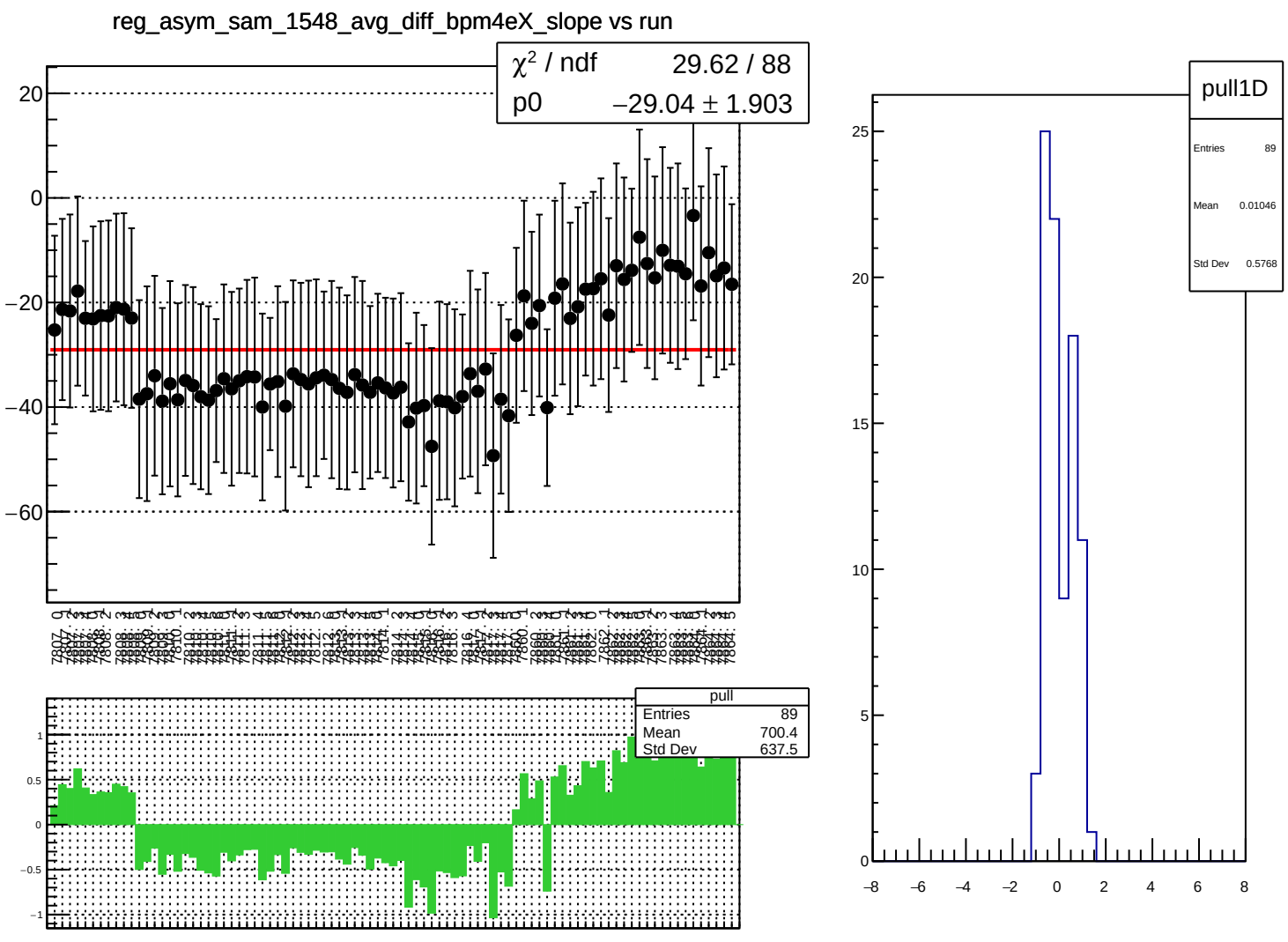

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.03 / 88
p0 −20.91 ± 0.8984
pull
Entries 89
Mean 422.1
Std Dev 362
pull1D
Entries 89
Mean −0.01937
Std Dev 0.5708

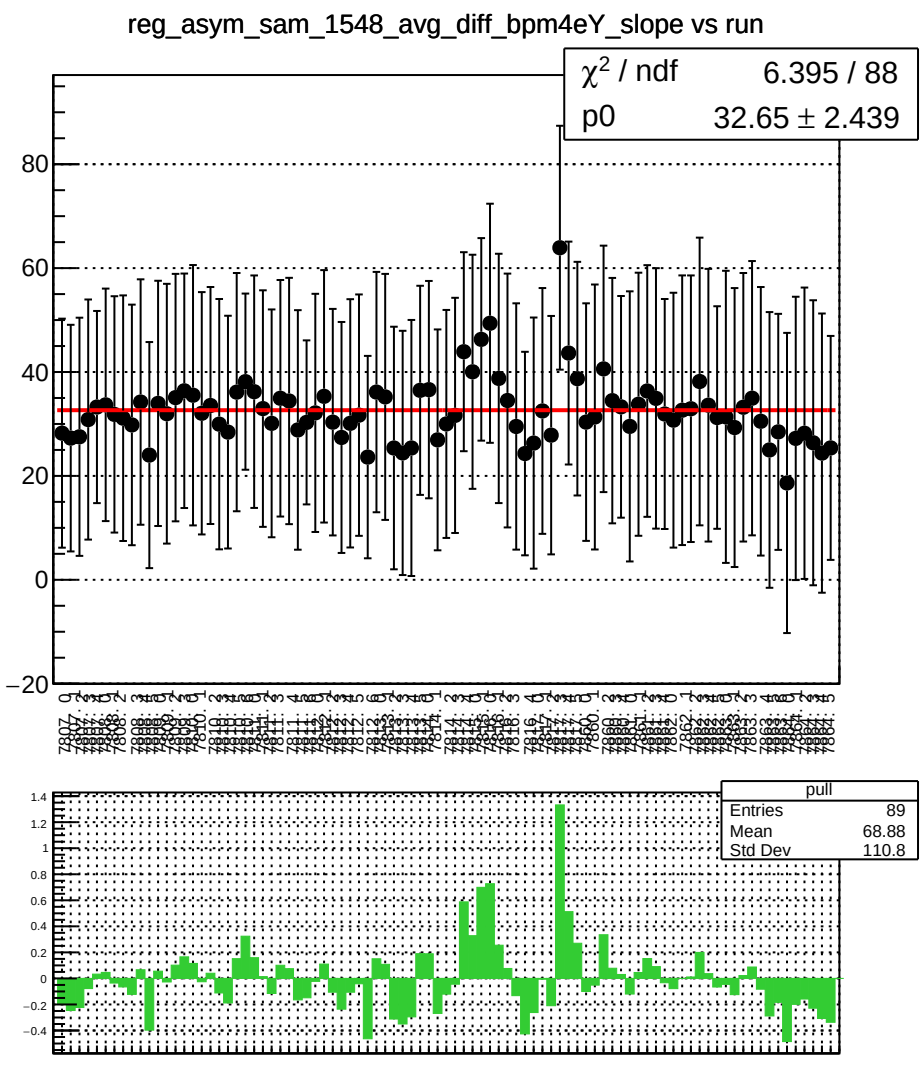

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 31.02 / 88
p0 1.042 ± 0.0261
pull
Entries 89
Mean 264
Std Dev 208.4
pull1D
Entries 89
Mean 0.04038
Std Dev 0.589

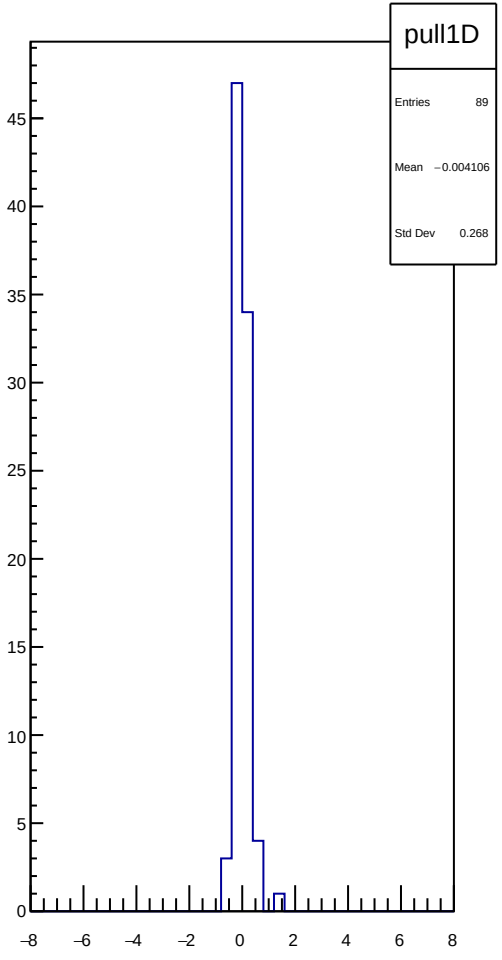

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 37.99 / 88
p0 −30.68 ± 2.105
pull
Entries 89
Mean 329.9
Std Dev 265.4
pull1D
Entries 89
Mean −0.02699
Std Dev 0.6528

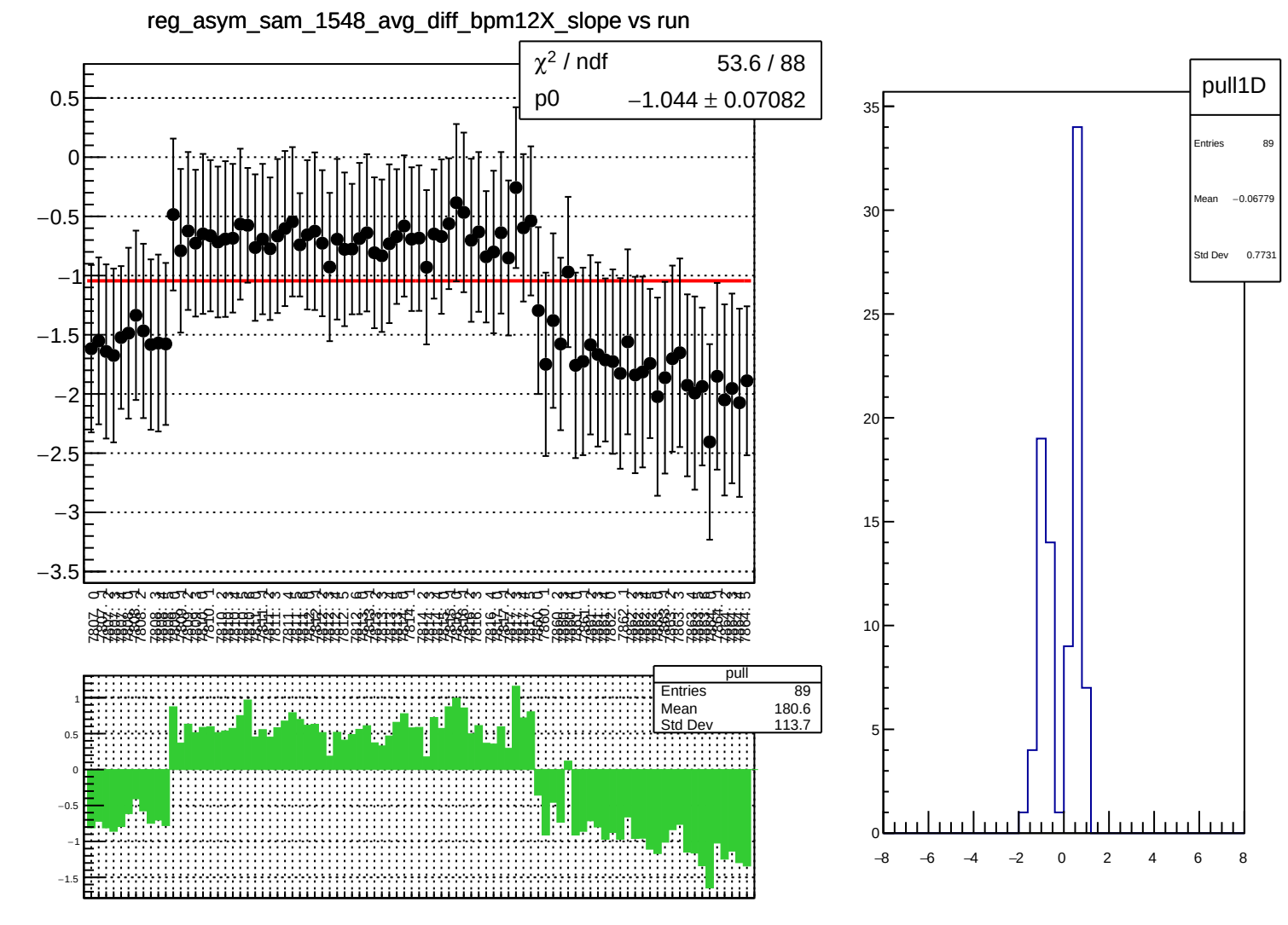

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.246 / 88
p0 46.05 ± 2.14
pull
Entries 89
Mean −5.033
Std Dev 105.3

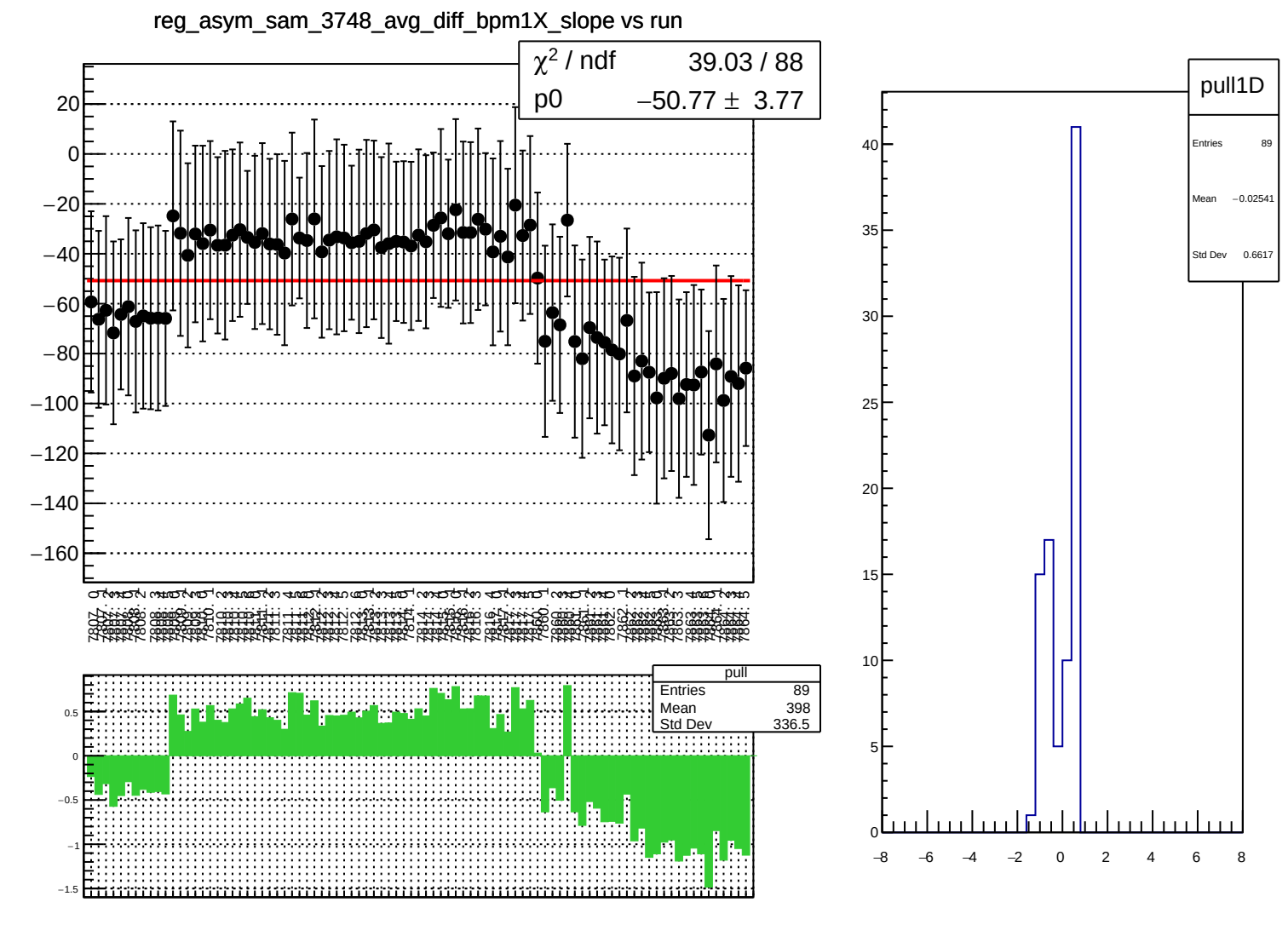

pull1D
Entries 89
Mean 0.005092
Std Dev 0.3223

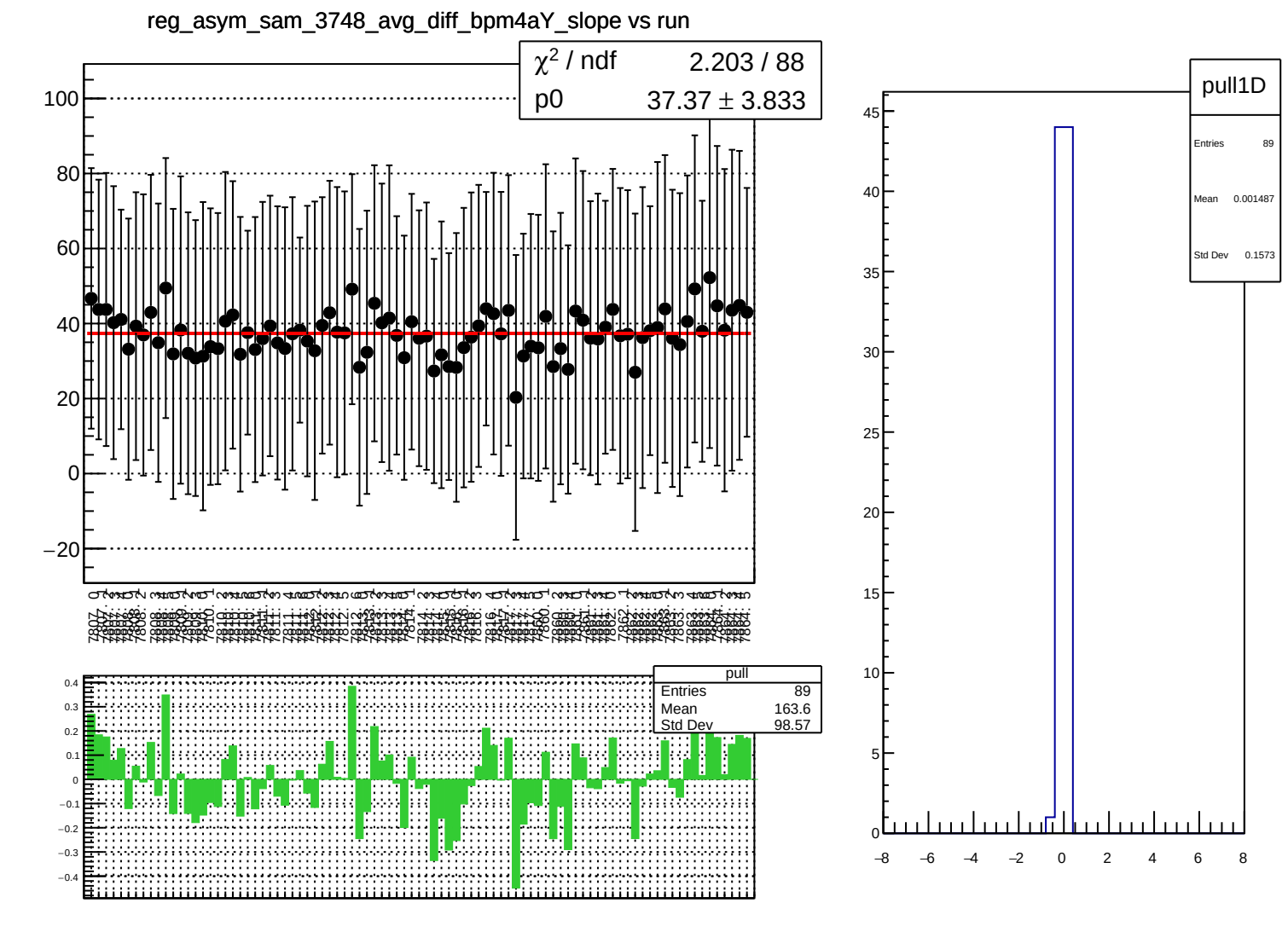

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.62 / 88
p0 −29.04 ± 1.903
20
0
−20
−40
−60
pull
Entries 89
Mean 700.4
Std Dev 637.5
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean 0.01046
Std Dev 0.5768
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

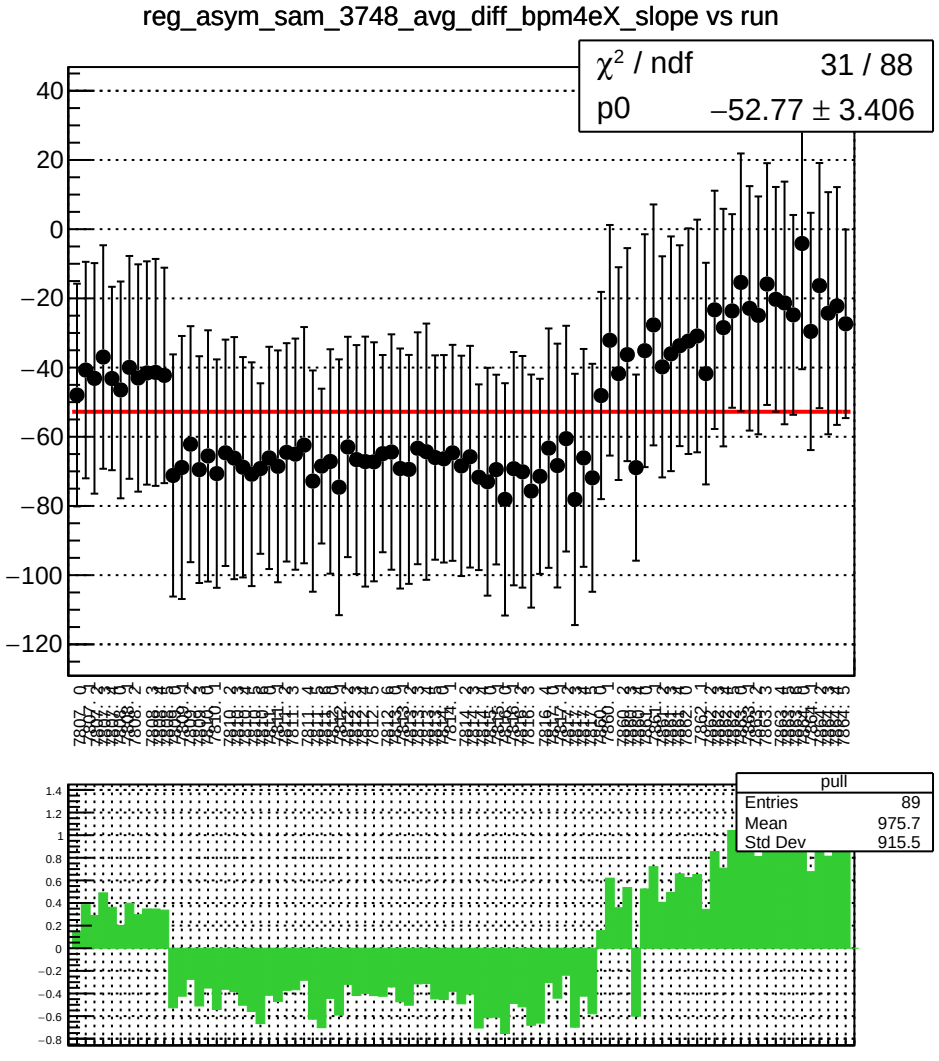

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.395 / 88
p0 32.65 ± 2.439
pull
Entries 89
Mean 68.88
Std Dev 110.8

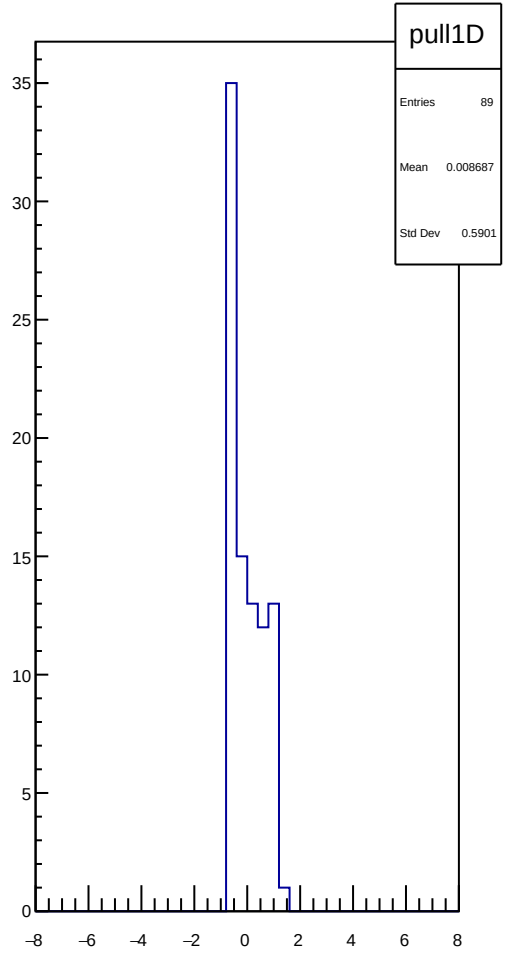

pull1D
Entries 89
Mean −0.004106
Std Dev 0.268

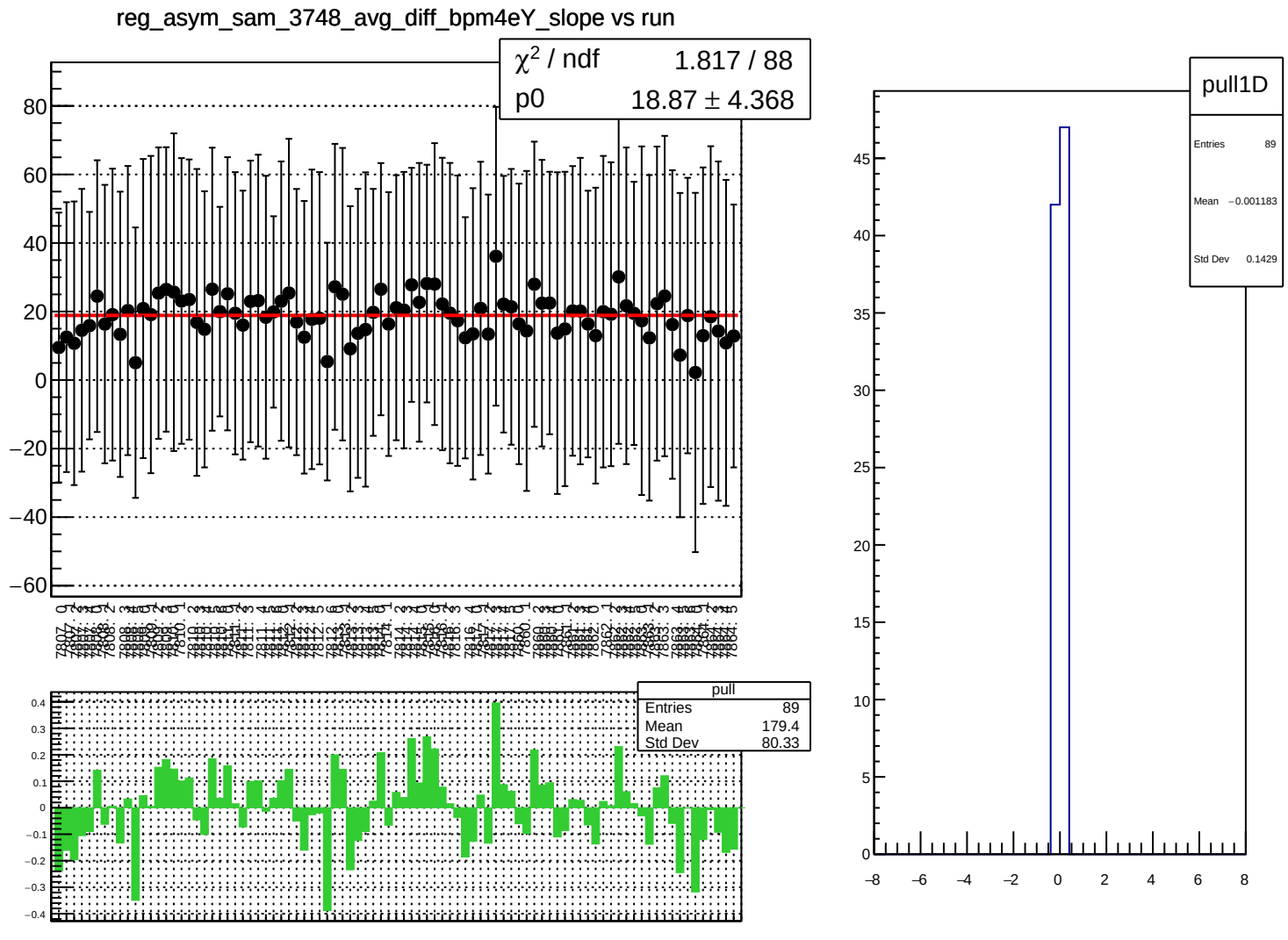

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 53.6 / 88
p0 −1.044 ± 0.07082
pull
Entries 89
Mean 180.6
Std Dev 113.7
pull1D
Entries 89
Mean −0.06779
Std Dev 0.7731

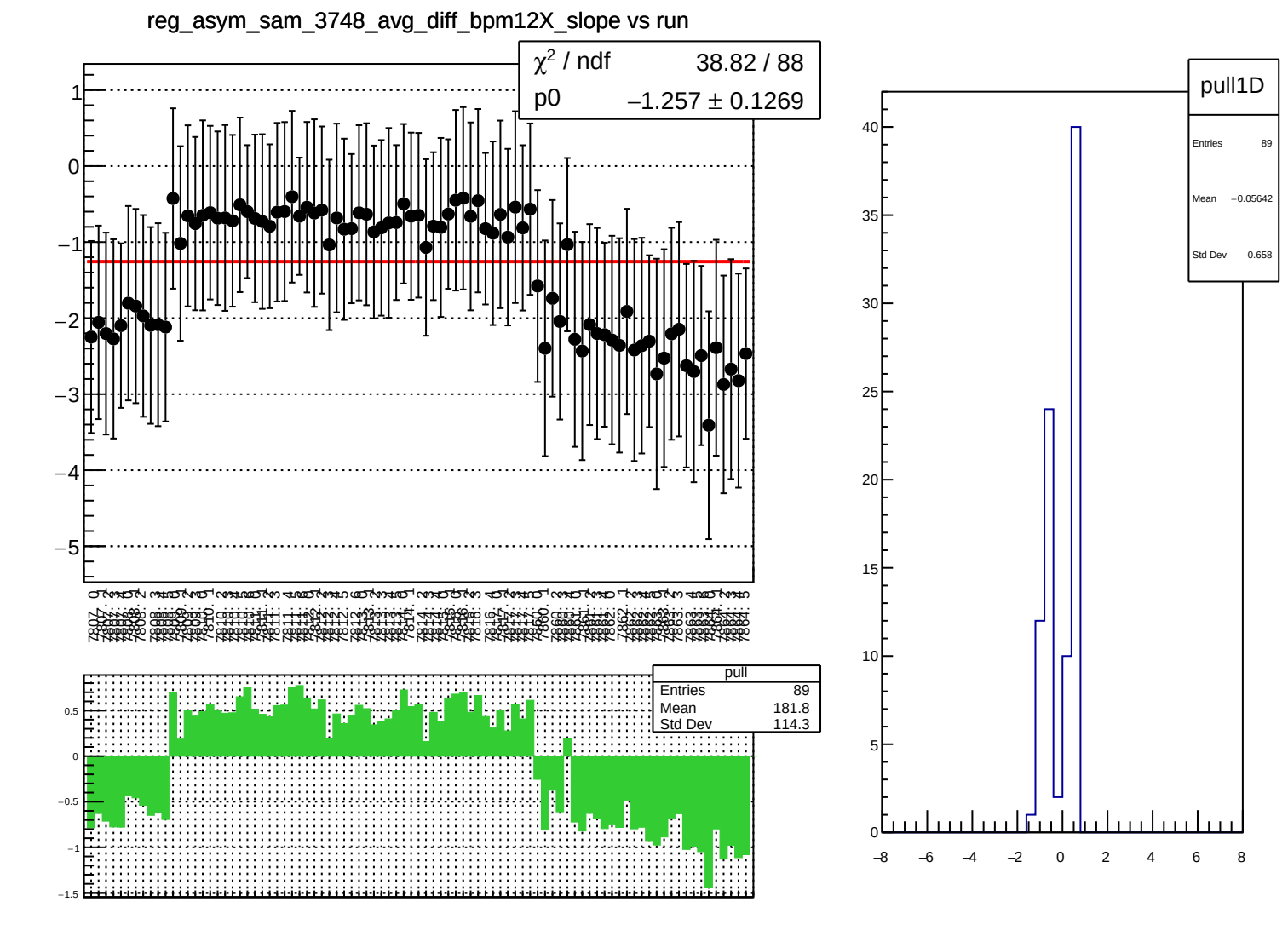

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 39.03 / 88
p0 −50.77 ± 3.77
pull
Entries 89
Mean 398
Std Dev 336.5
pull1D
Entries 89
Mean −0.02541
Std Dev 0.6617

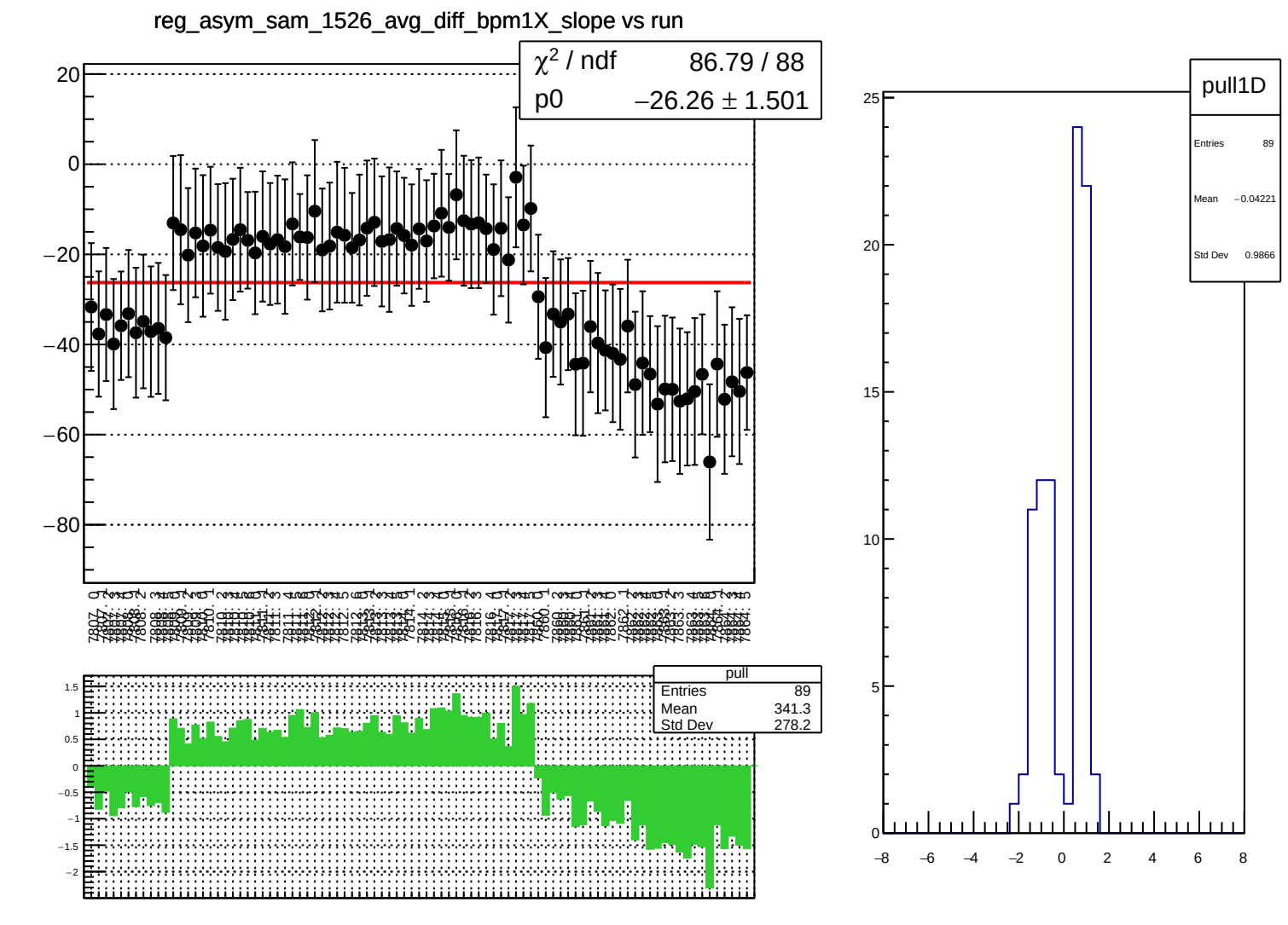

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.203 / 88
p0 37.37 ± 3.833
pull
Entries 89
Mean 163.6
Std Dev 98.57
pull1D
Entries 89
Mean 0.001487
Std Dev 0.1573

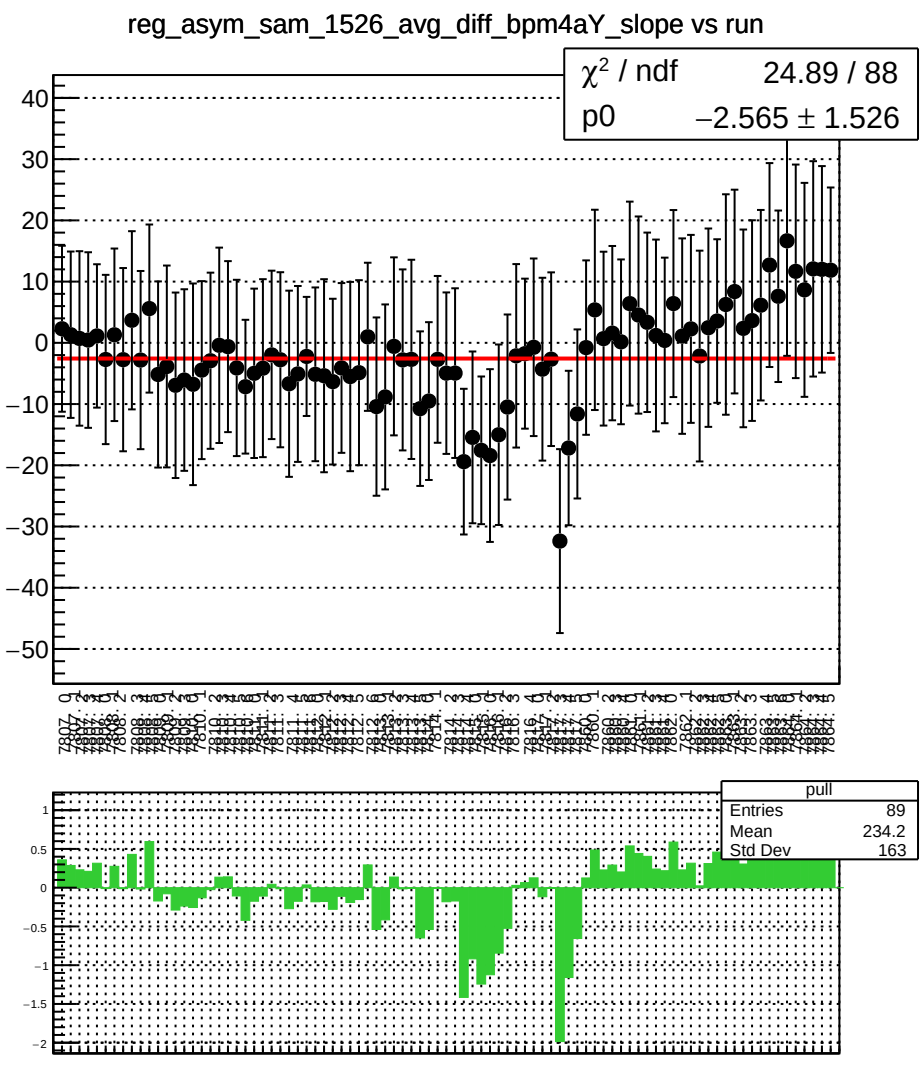

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 31 / 88
p0 −52.77 ± 3.406
pull
Entries 89
Mean 975.7
Std Dev 915.5

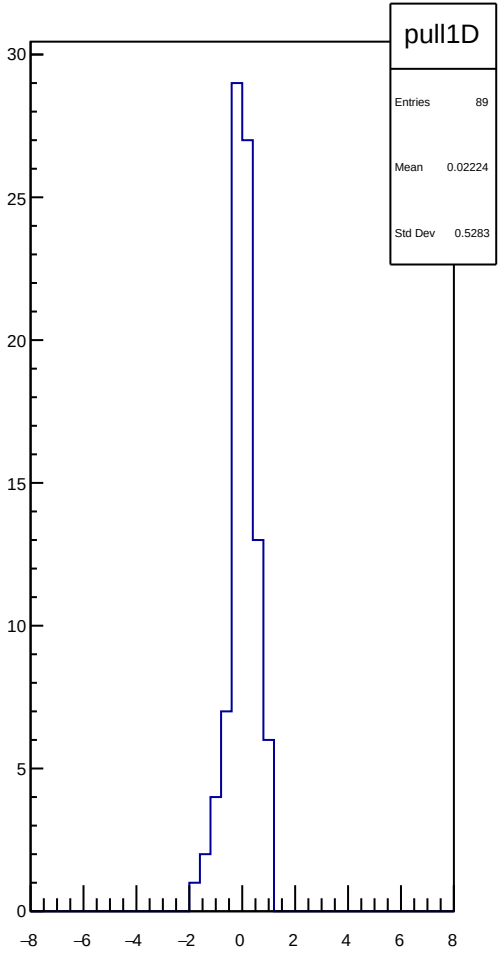

pull1D
Entries 89
Mean 0.008687
Std Dev 0.5901

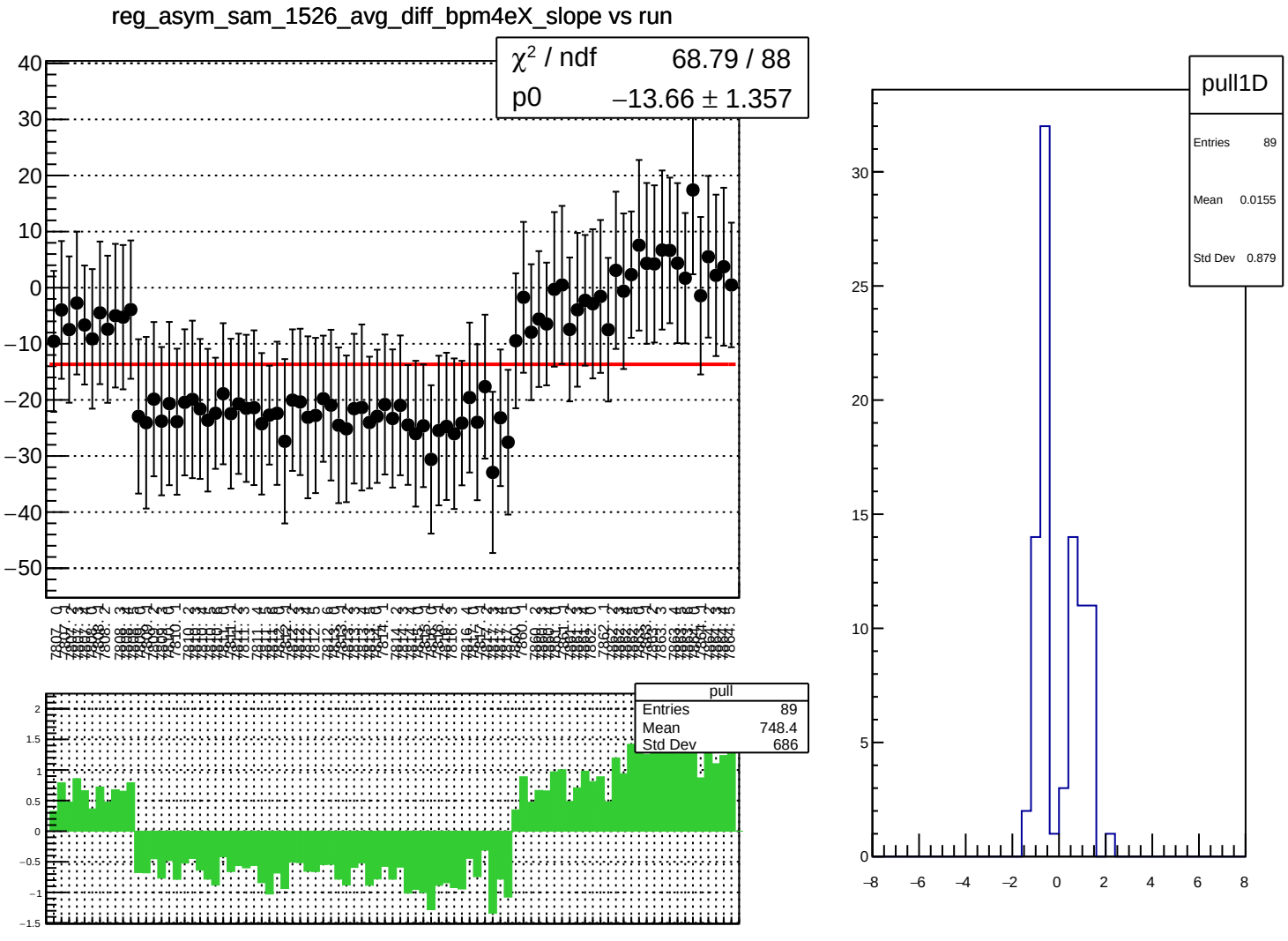

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.817 / 88
p0 18.87 ± 4.368
pull
Entries 89
Mean 179.4
Std Dev 80.33
pull1D
Entries 89
Mean −0.001183
Std Dev 0.1429

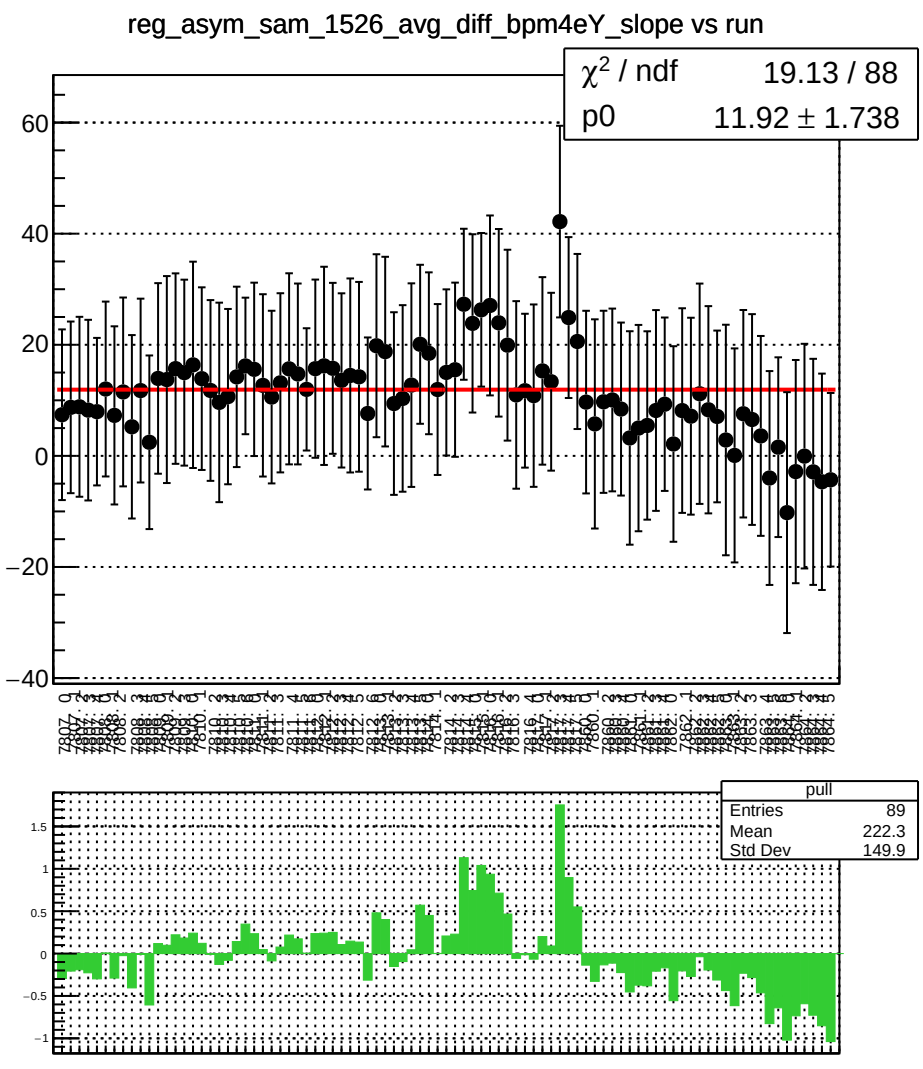

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 38.82 / 88
p0 −1.257 ± 0.1269
pull
Entries 89
Mean 181.8
Std Dev 114.3
pull1D
Entries 89
Mean −0.05642
Std Dev 0.658

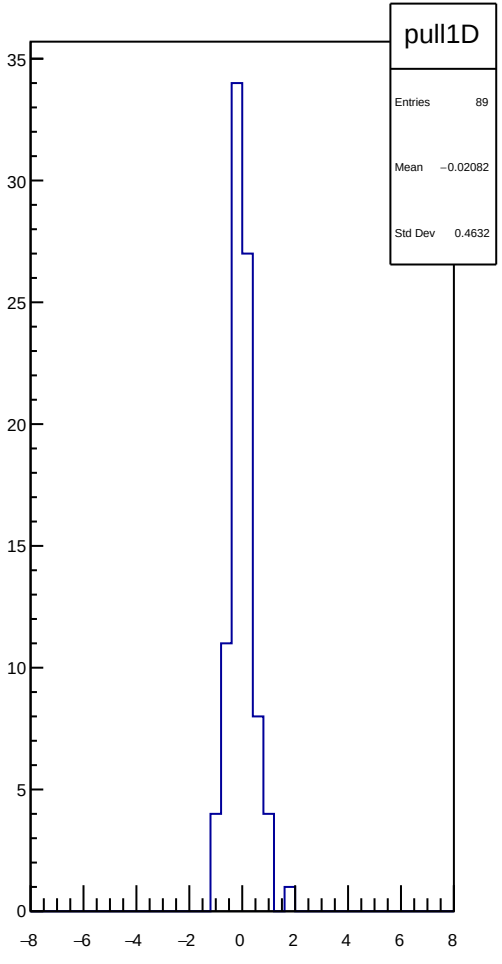

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 86.79 / 88
p0 −26.26 ± 1.501
pull
Entries 89
Mean 341.3
Std Dev 278.2
pull1D
Entries 89
Mean −0.04221
Std Dev 0.9866

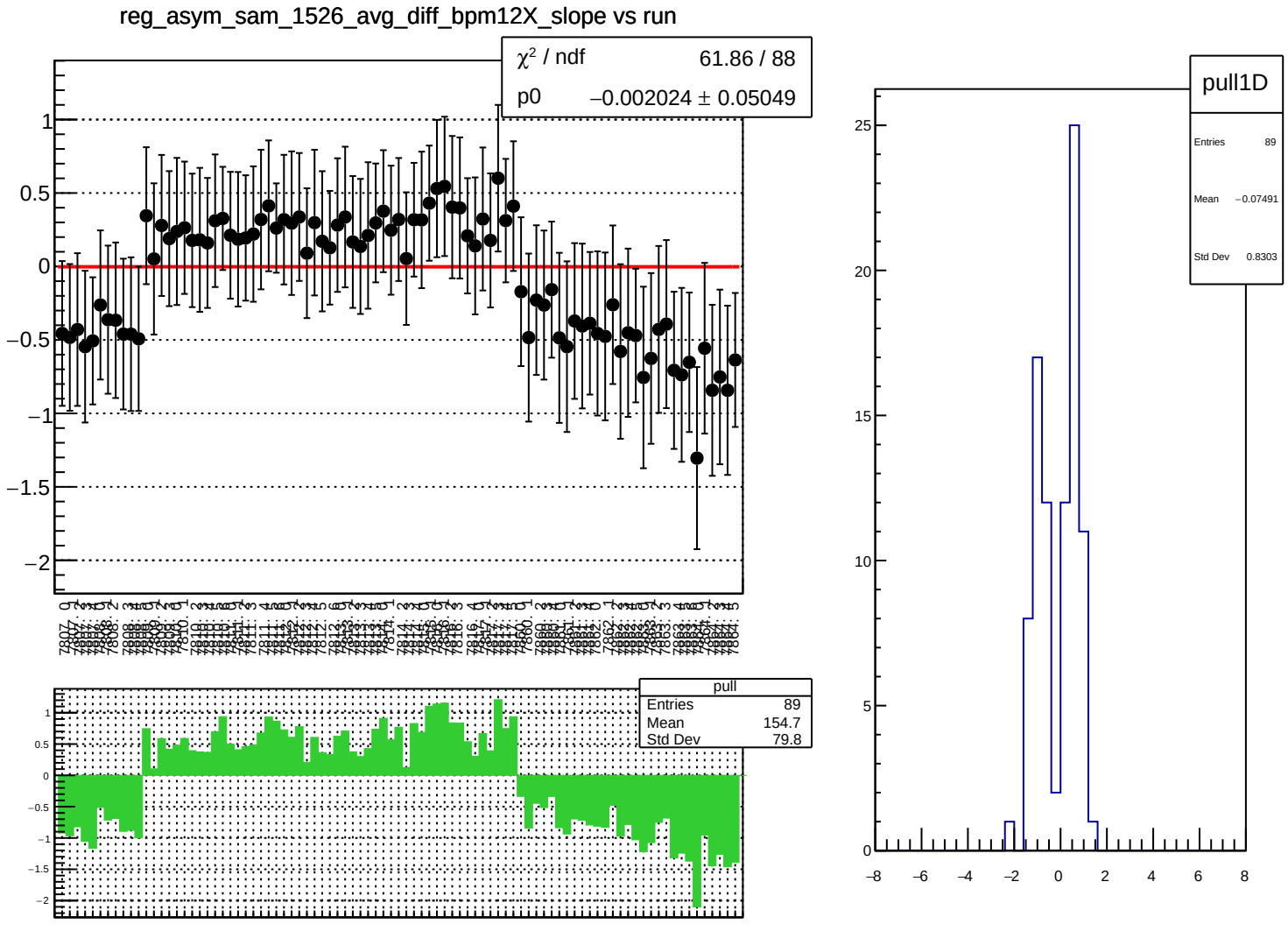

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.89 / 88
p0 −2.565 ± 1.526
pull
Entries 89
Mean 234.2
Std Dev 163

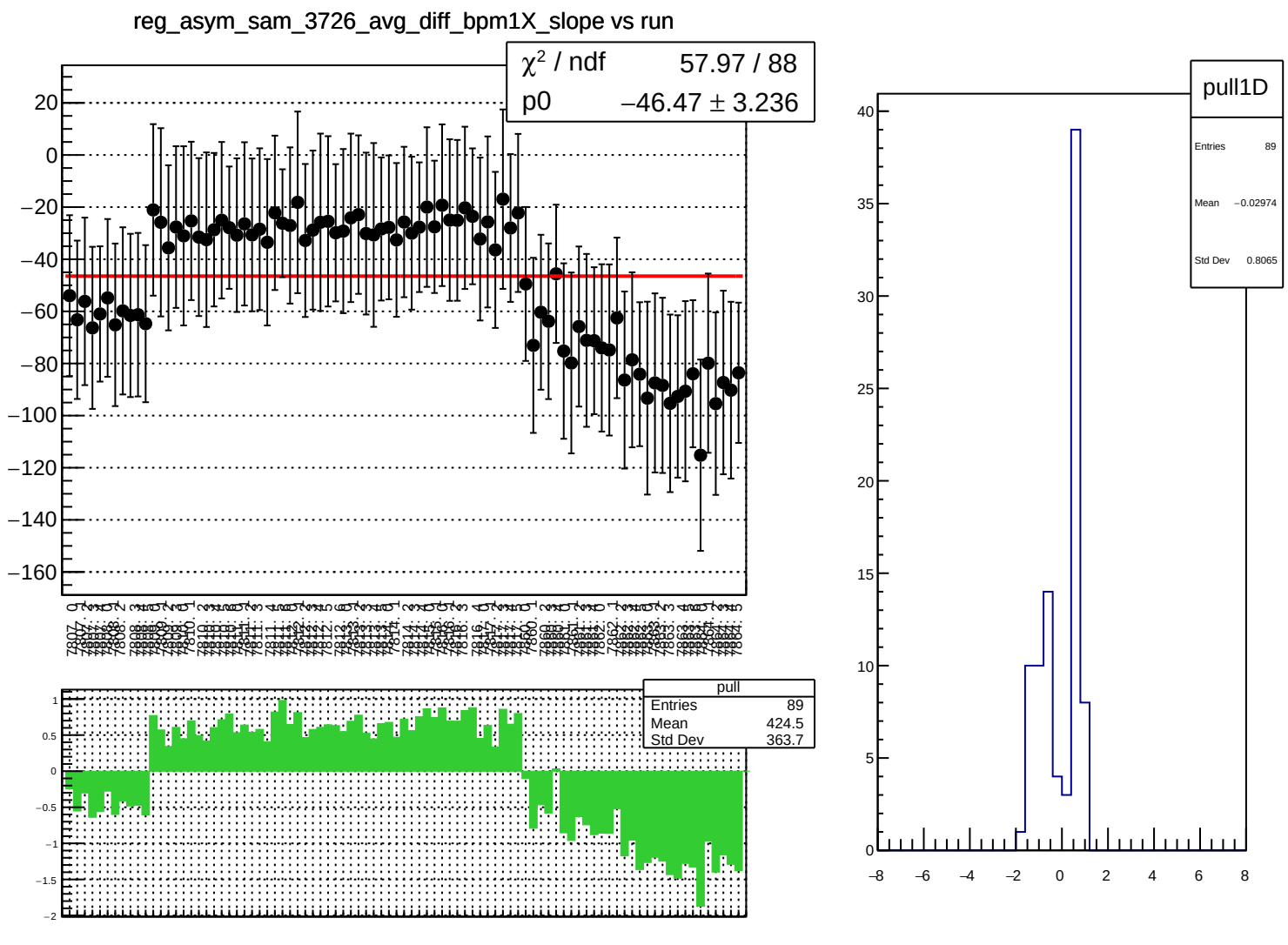

pull1D
Entries 89
Mean 0.02224
Std Dev 0.5283

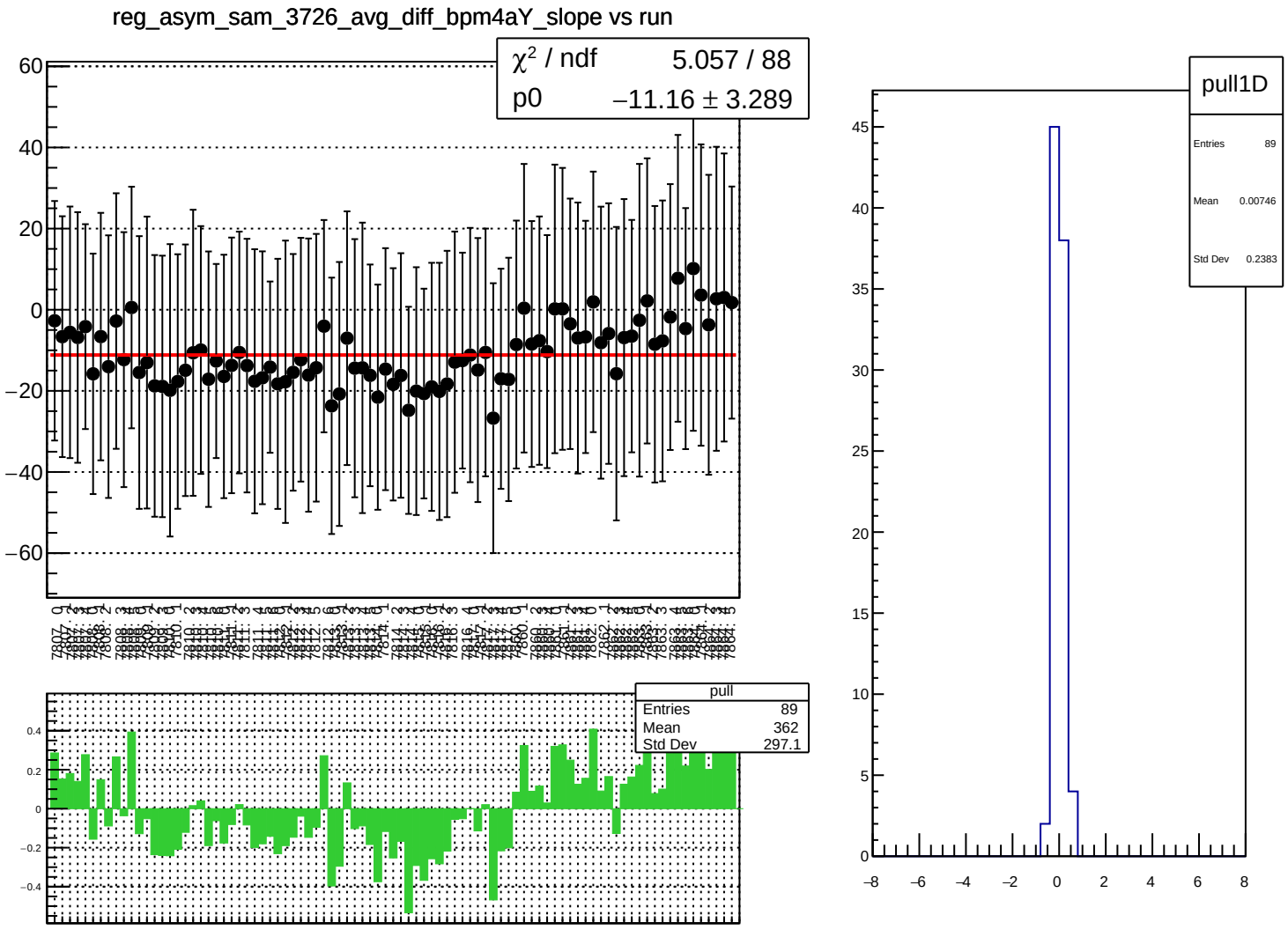

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.79 / 88
p0 −13.66 ± 1.357
pull
Entries 89
Mean 748.4
Std Dev 686
pull1D
Entries 89
Mean 0.0155
Std Dev 0.879

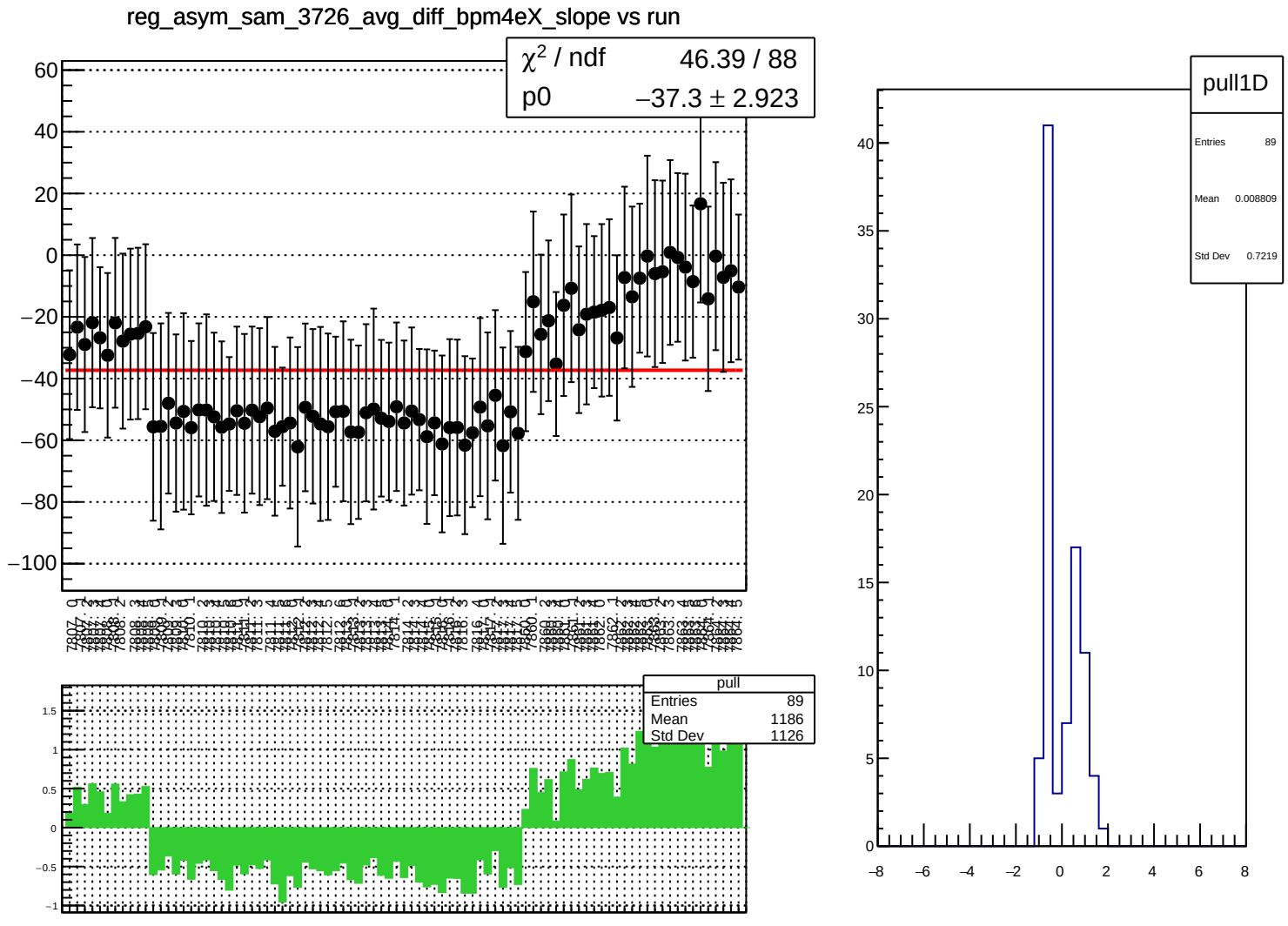

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.13 / 88
p0 11.92 ± 1.738
pull
Entries 89
Mean 222.3
Std Dev 149.9

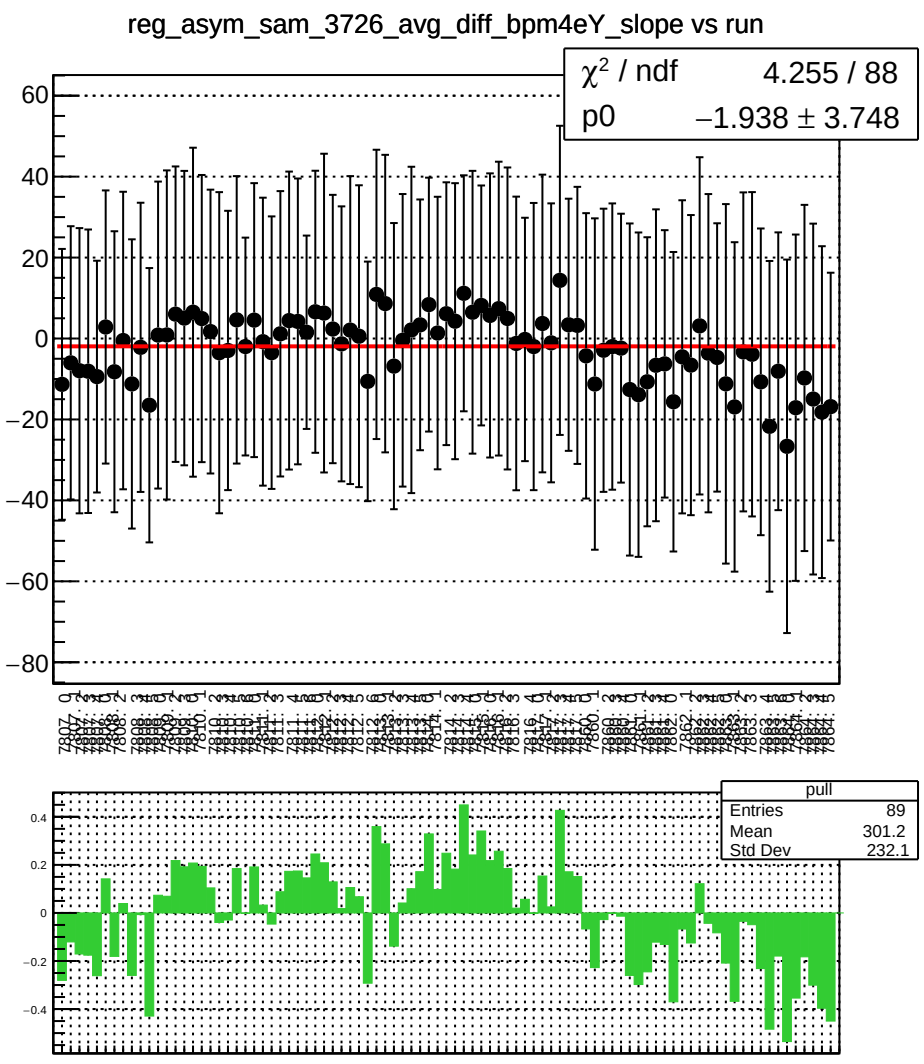

pull1D
Entries 89
Mean −0.02082
Std Dev 0.4632

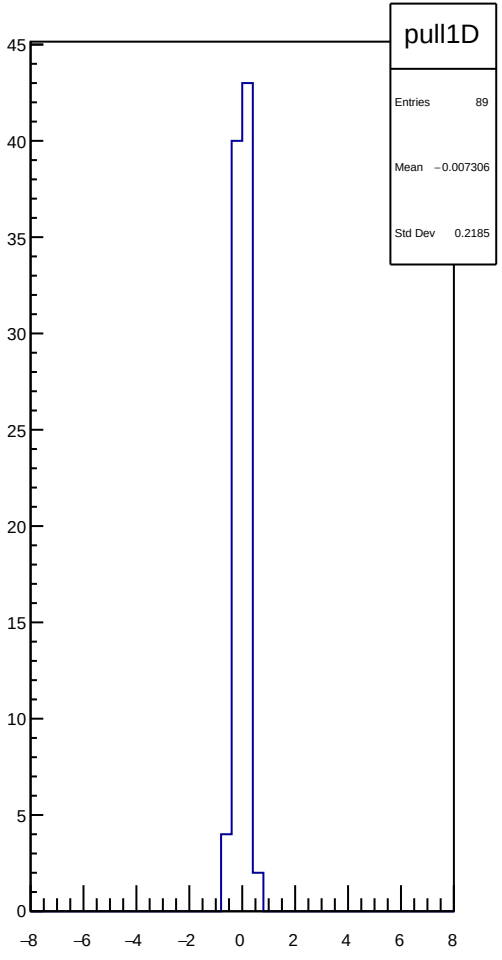

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 61.86 / 88
p0 −0.002024 ± 0.05049
pull
Entries 89
Mean 154.7
Std Dev 79.8
pull1D
Entries 89
Mean −0.07491
Std Dev 0.8303

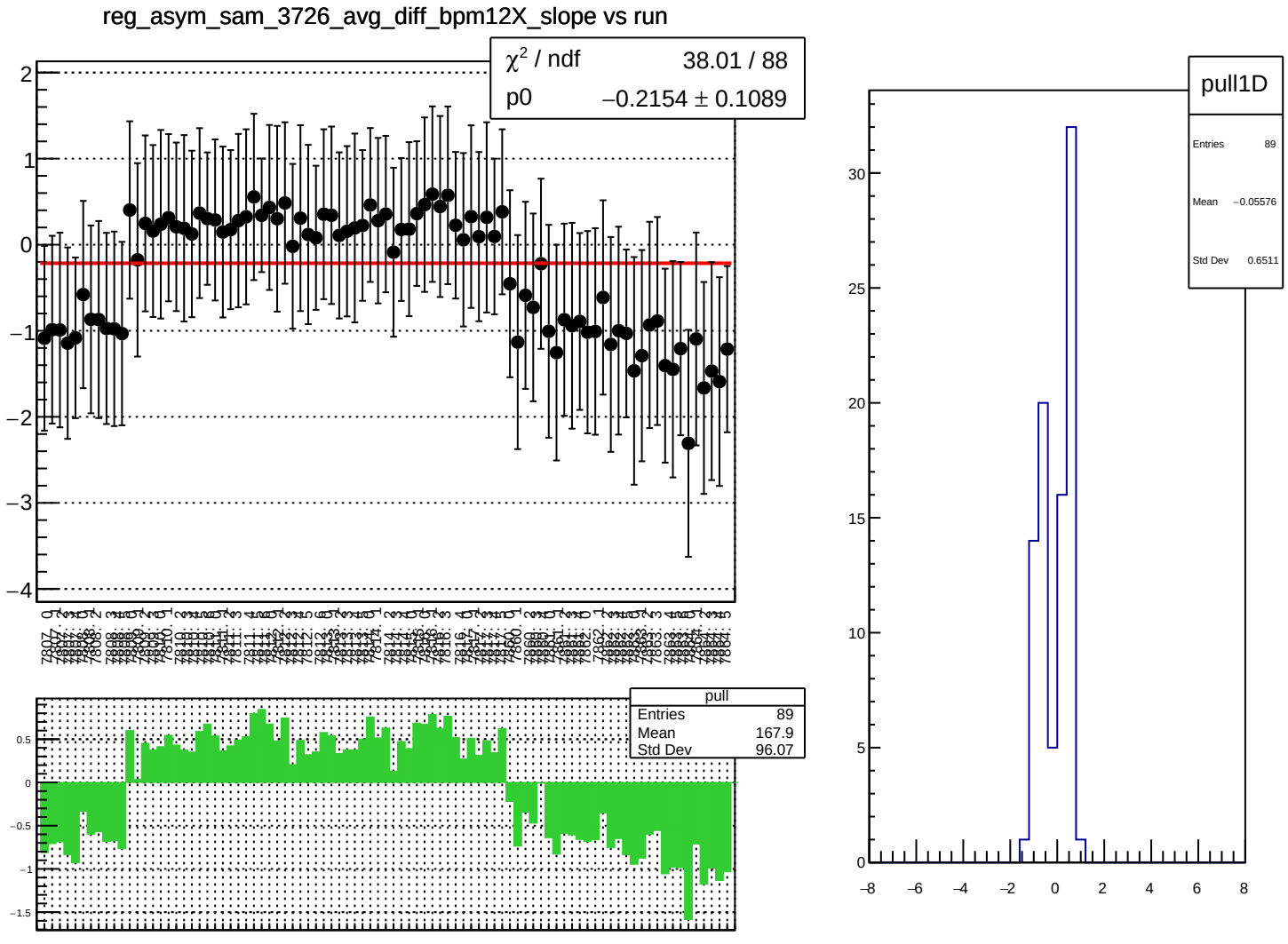

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 57.97 / 88
p0 −46.47 ± 3.236
pull
Entries 89
Mean 424.5
Std Dev 363.7
pull1D
Entries 89
Mean −0.02974
Std Dev 0.8065

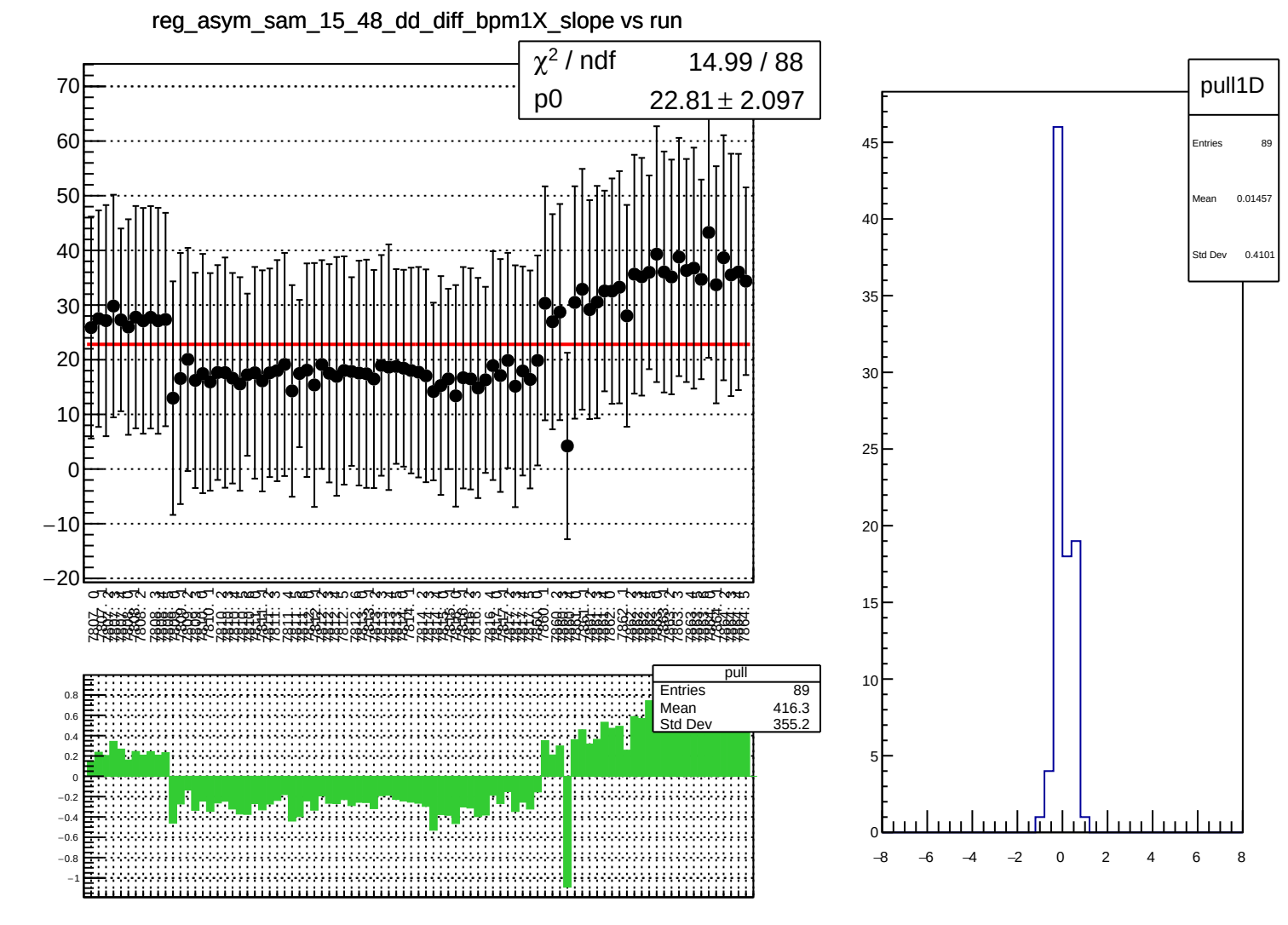

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.057 / 88
p0 −11.16 ± 3.289
pull
Entries 89
Mean 362
Std Dev 297.1
pull1D
Entries 89
Mean 0.00746
Std Dev 0.2383

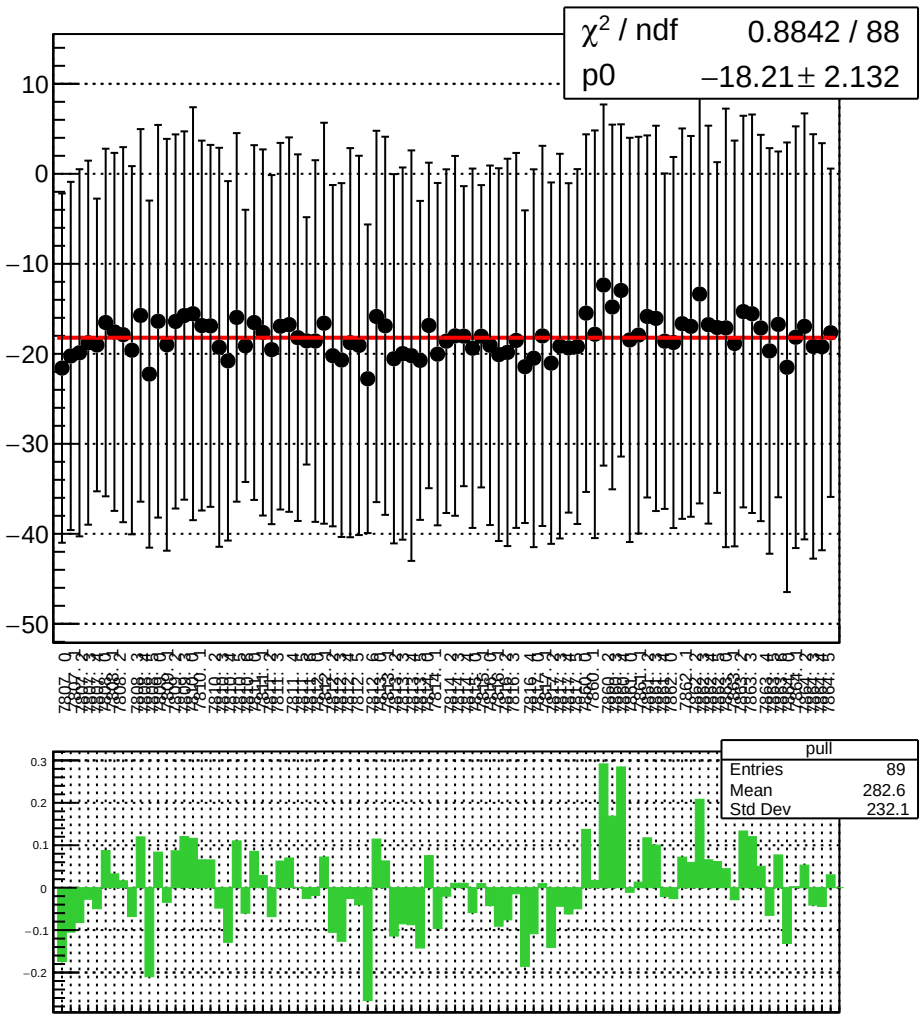

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.39 / 88
p0 −37.3 ± 2.923
pull
Entries 89
Mean 1186
Std Dev 1126
pull1D
Entries 89
Mean 0.008809
Std Dev 0.7219

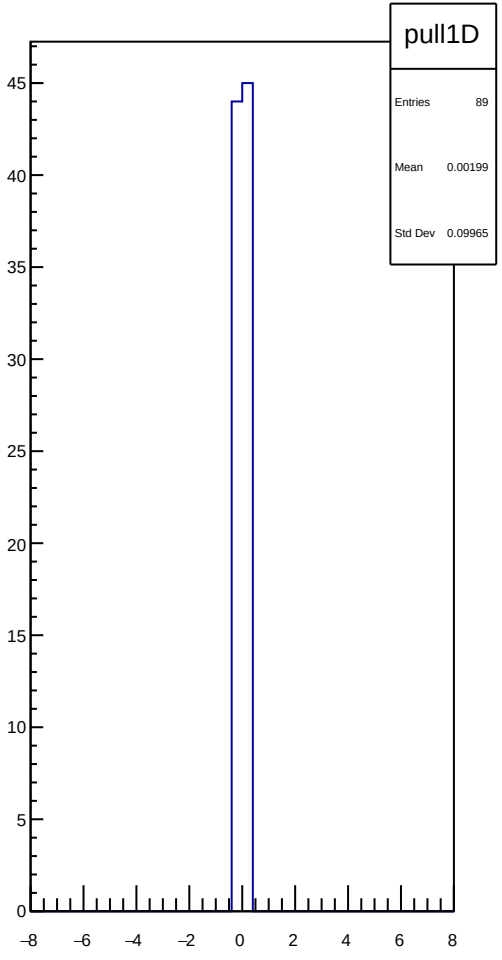

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.255 / 88
p0 −1.938 ± 3.748
pull
Entries 89
Mean 301.2
Std Dev 232.1

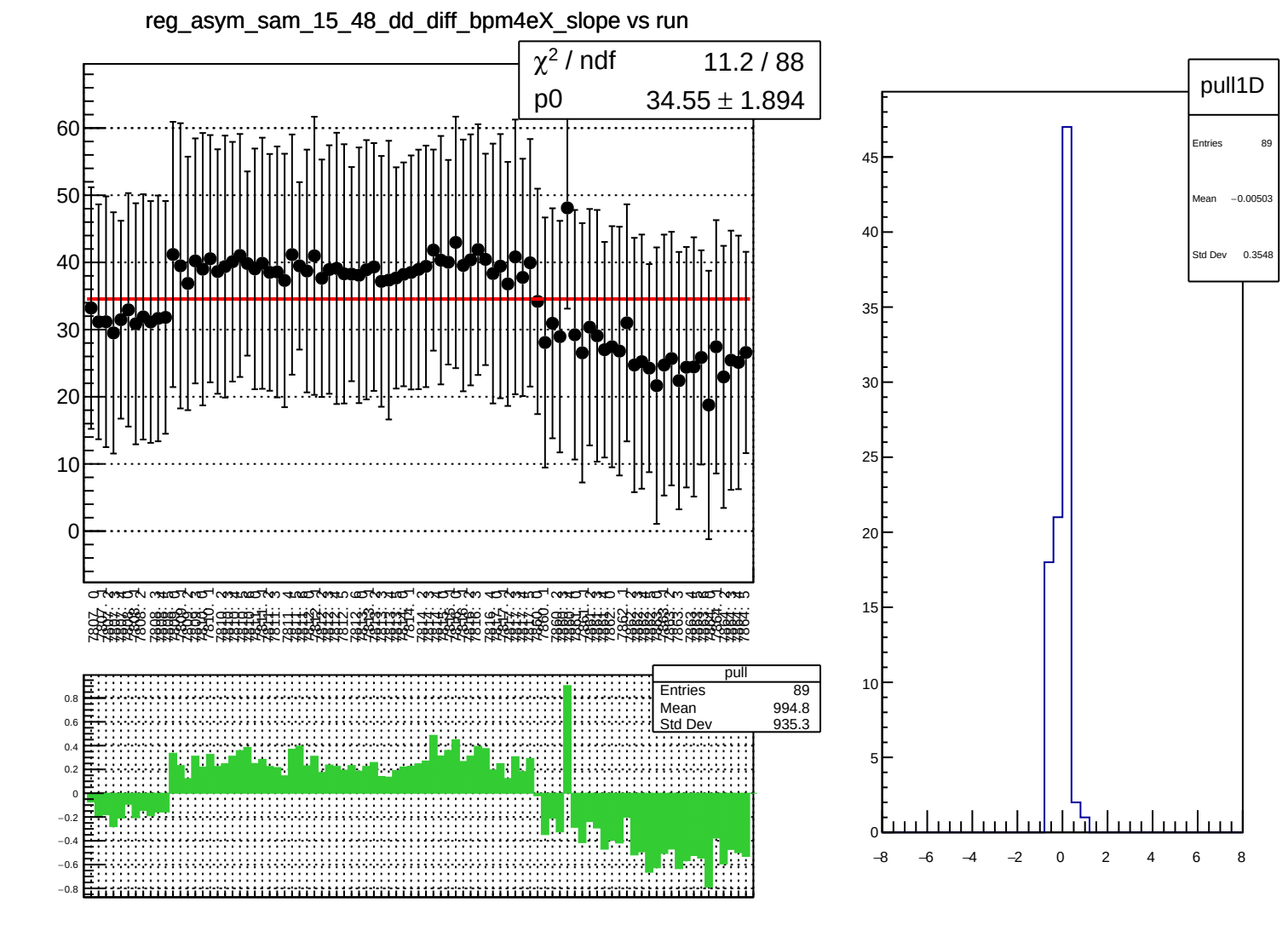

pull1D
Entries 89
Mean −0.007306
Std Dev 0.2185

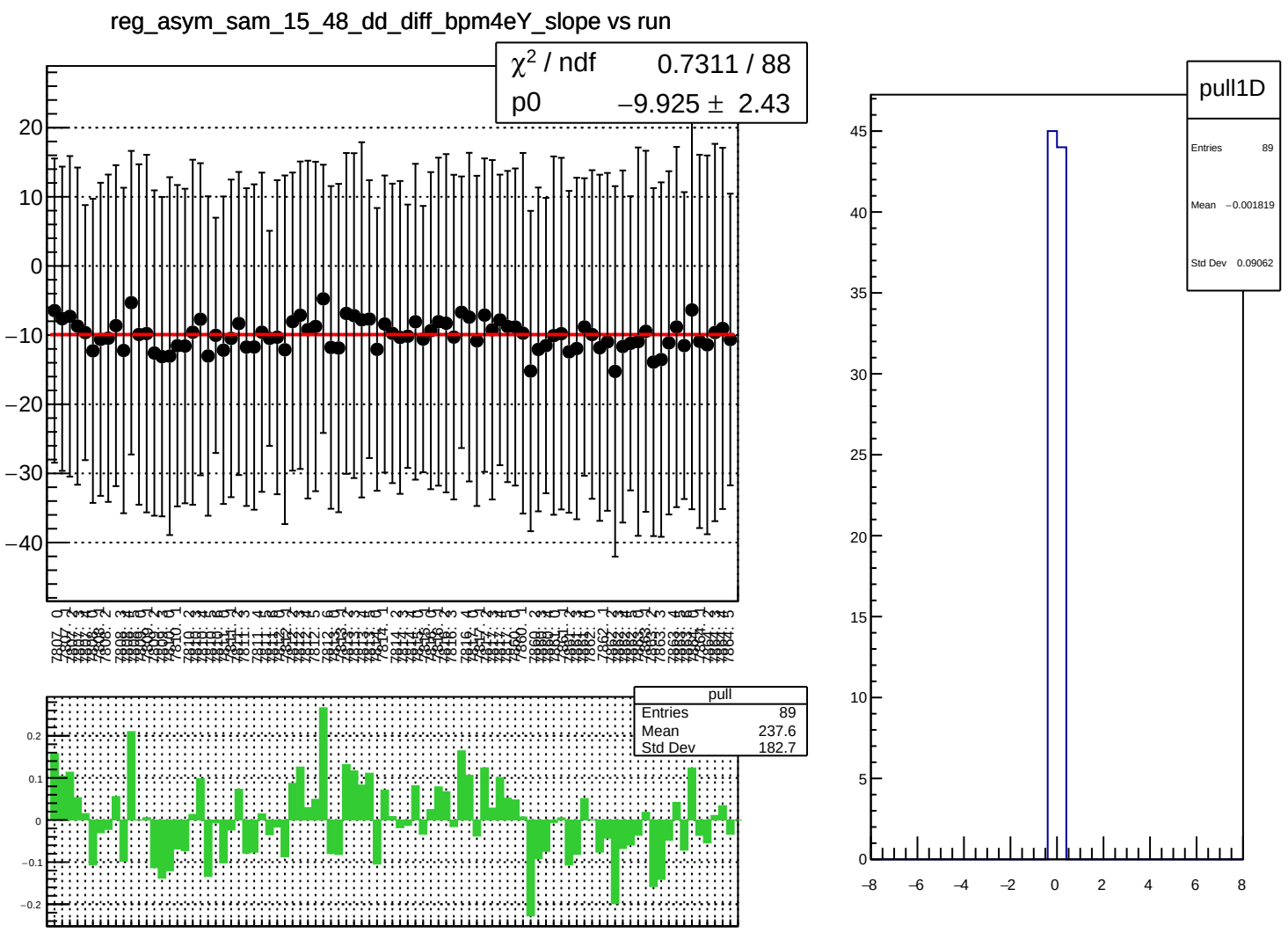

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 38.01 / 88
p0 −0.2154 ± 0.1089
pull
Entries 89
Mean 167.9
Std Dev 96.07
pull1D
Entries 89
Mean −0.05576
Std Dev 0.6511

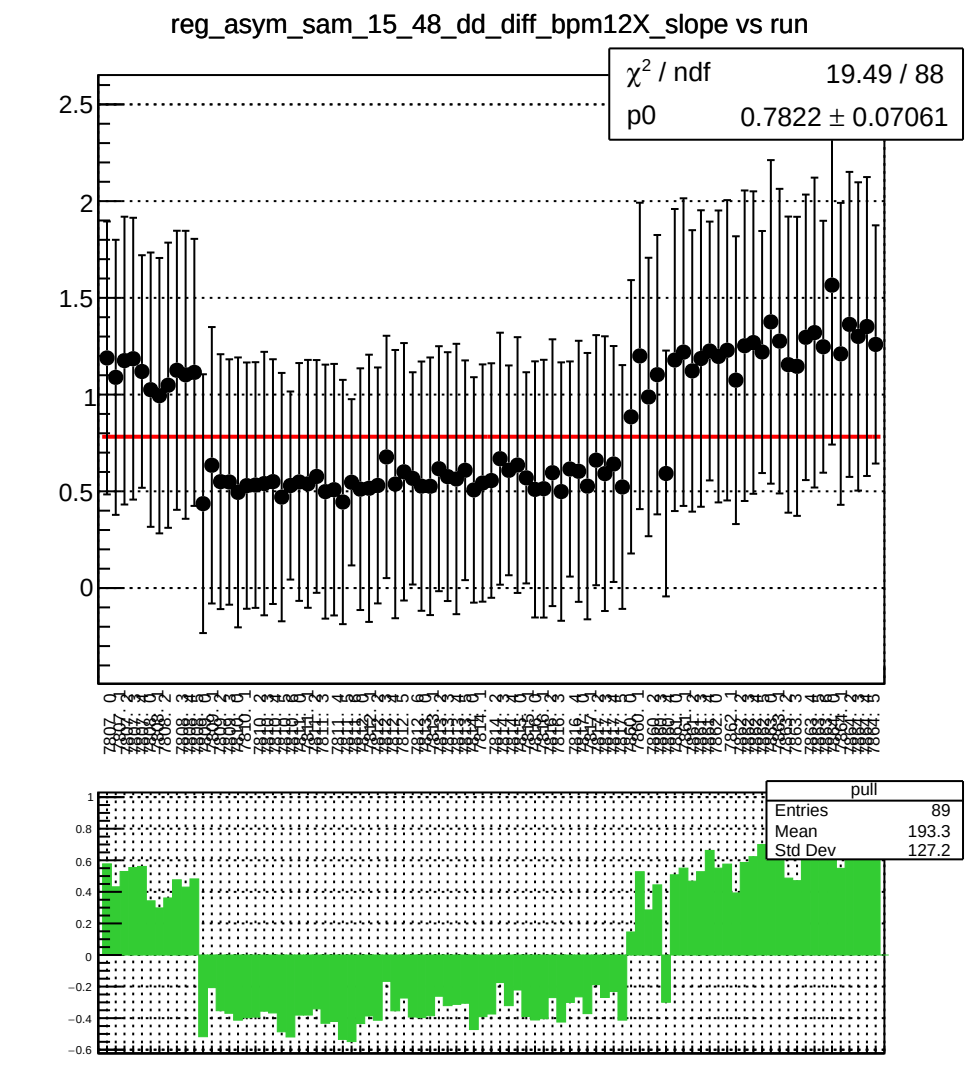

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 14.99 / 88
p0 22.81 ± 2.097
pull
Entries 89
Mean 416.3
Std Dev 355.2
pull1D
Entries 89
Mean 0.01457
Std Dev 0.4101

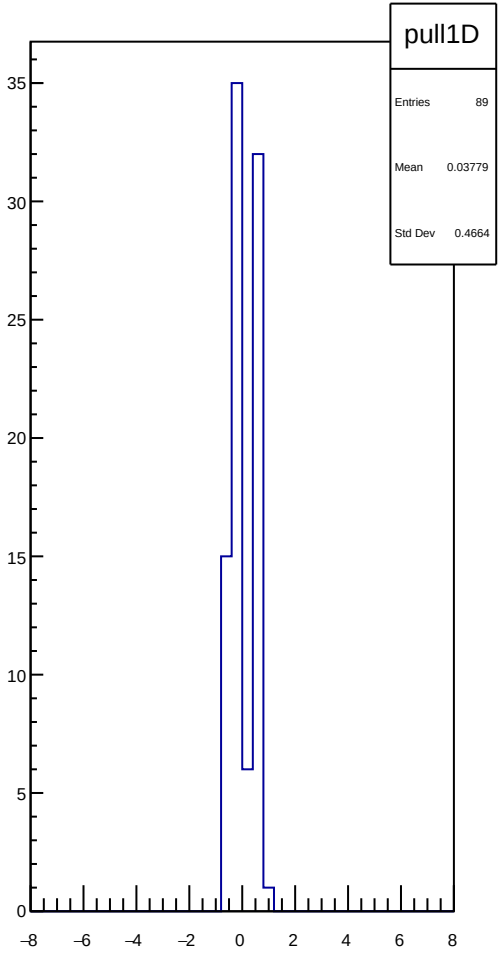

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.8842 / 88
p0 −18.21± 2.132
pull
Entries 89
Mean 282.6
Std Dev 232.1

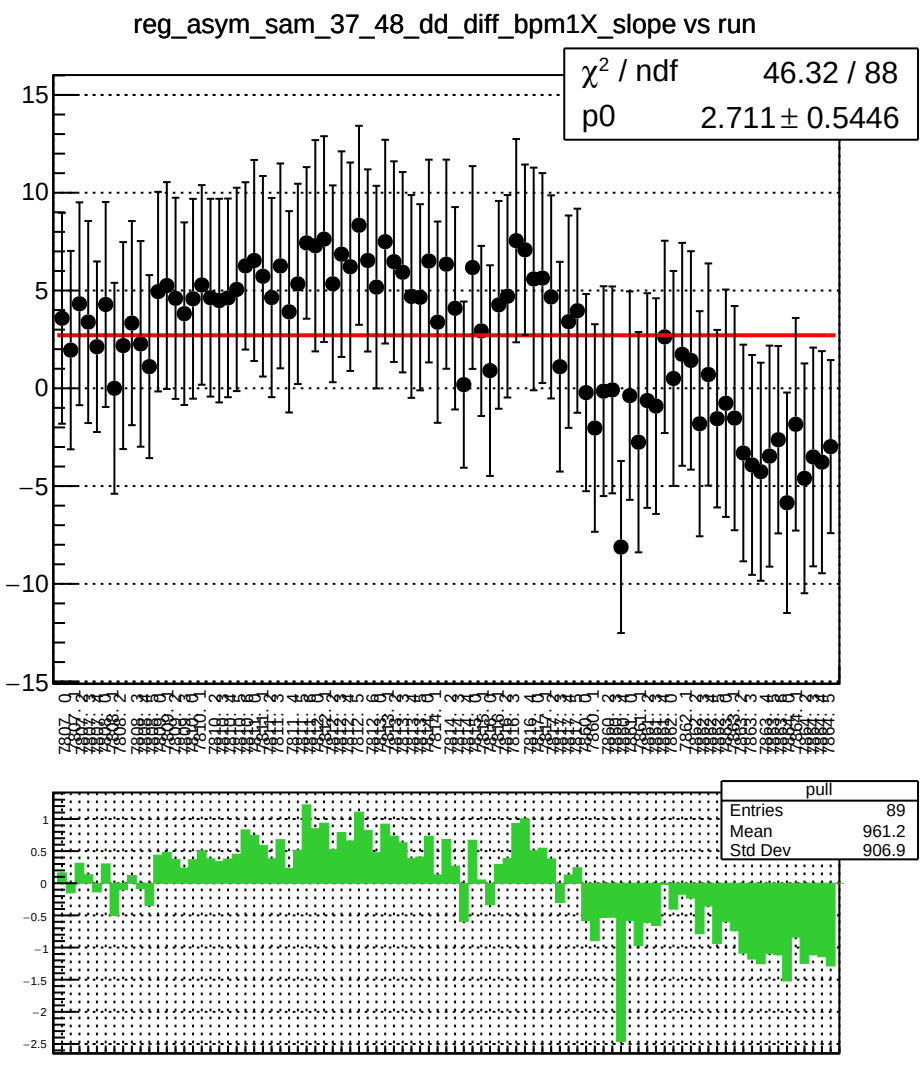

pull1D
Entries 89
Mean 0.00199
Std Dev 0.09965

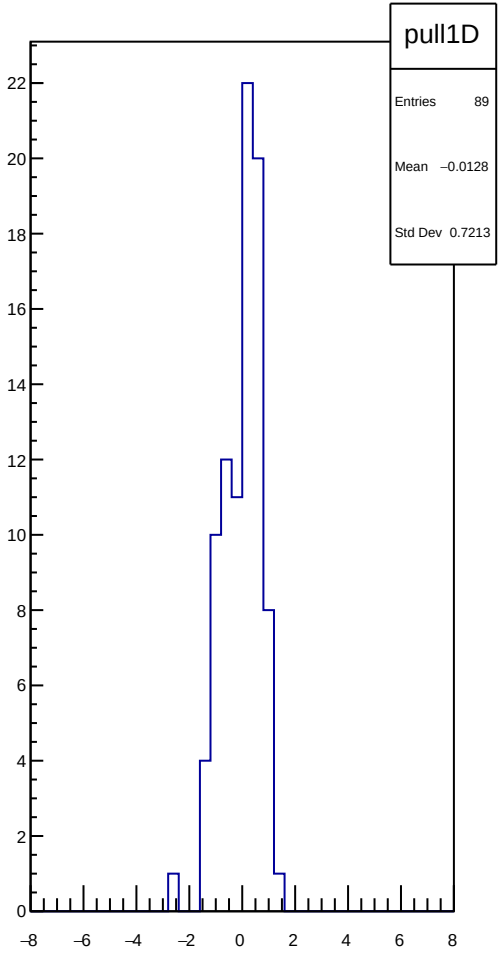

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.2 / 88
p0 34.55 ± 1.894
pull
Entries 89
Mean 994.8
Std Dev 935.3
pull1D
Entries 89
Mean −0.00503
Std Dev 0.3548

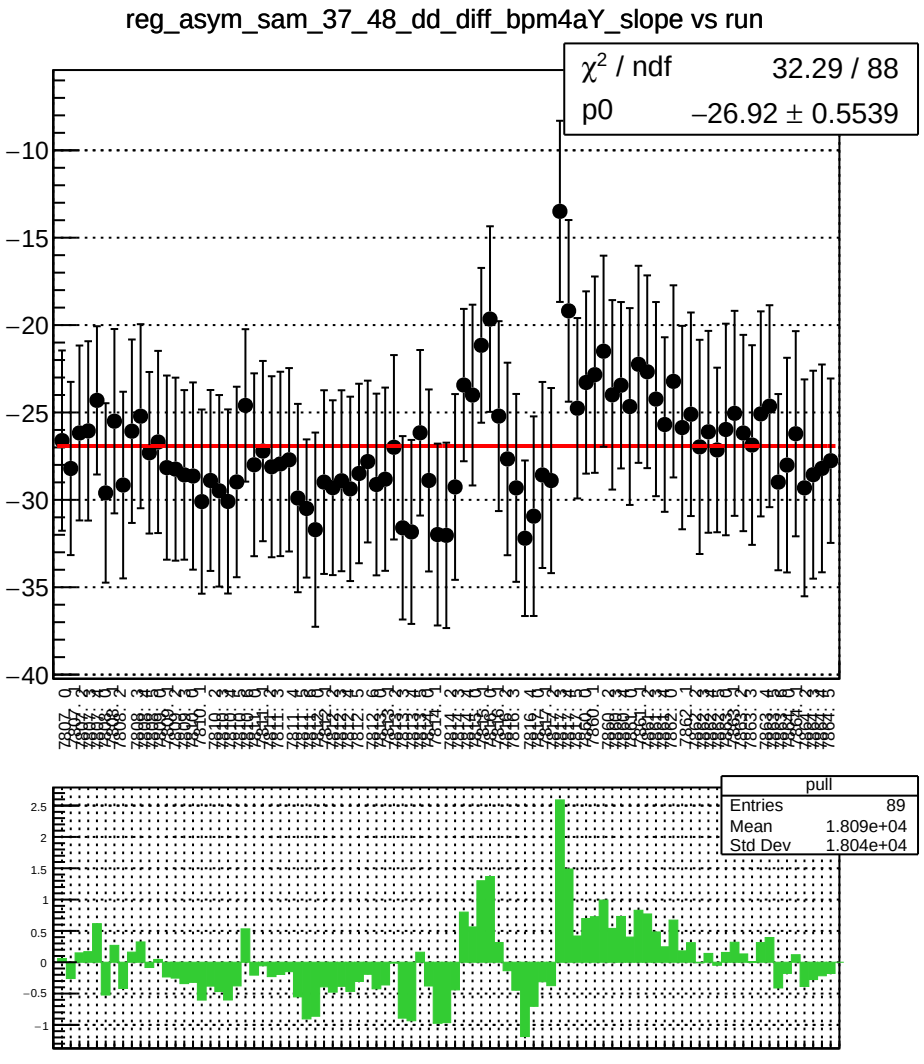

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7311 / 88
p0 −9.925 ± 2.43
pull
Entries 89
Mean 237.6
Std Dev 182.7
pull1D
Entries 89
Mean −0.001819
Std Dev 0.09062

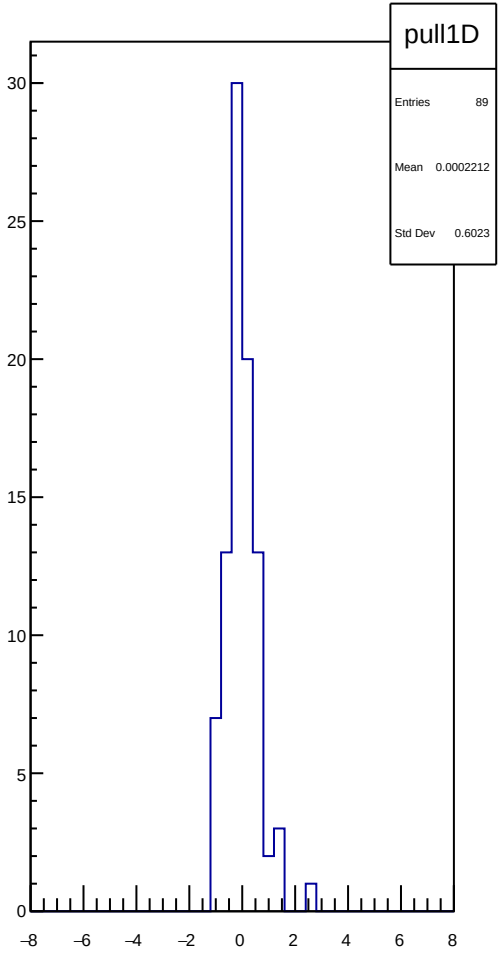

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.49 / 88
p0 0.7822 ± 0.07061
pull
Entries 89
Mean 193.3
Std Dev 127.2

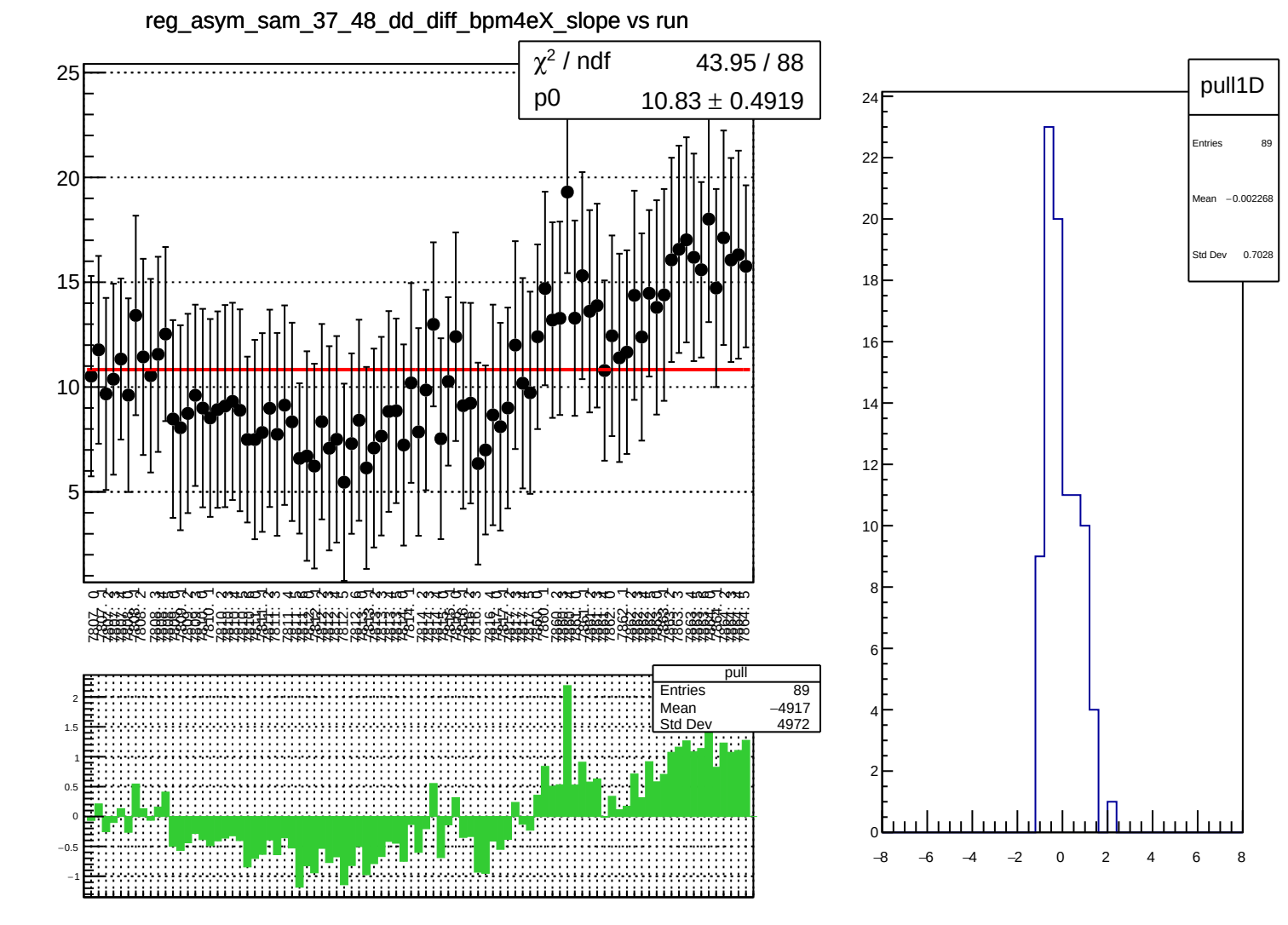

pull1D
Entries 89
Mean 0.03779
Std Dev 0.4664

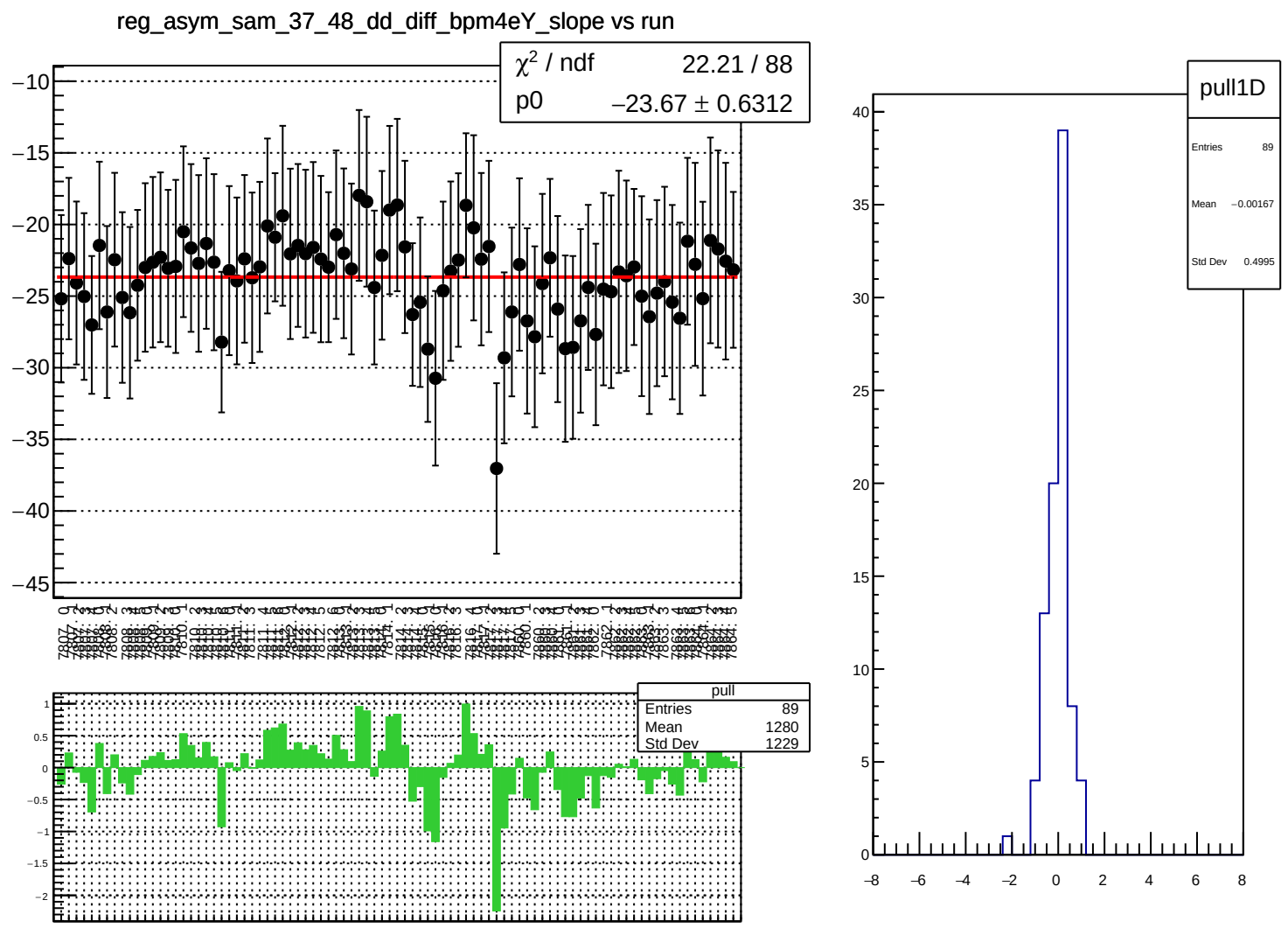

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 46.32 / 88
p0 2.711 ± 0.5446
pull
Entries 89
Mean 961.2
Std Dev 906.9

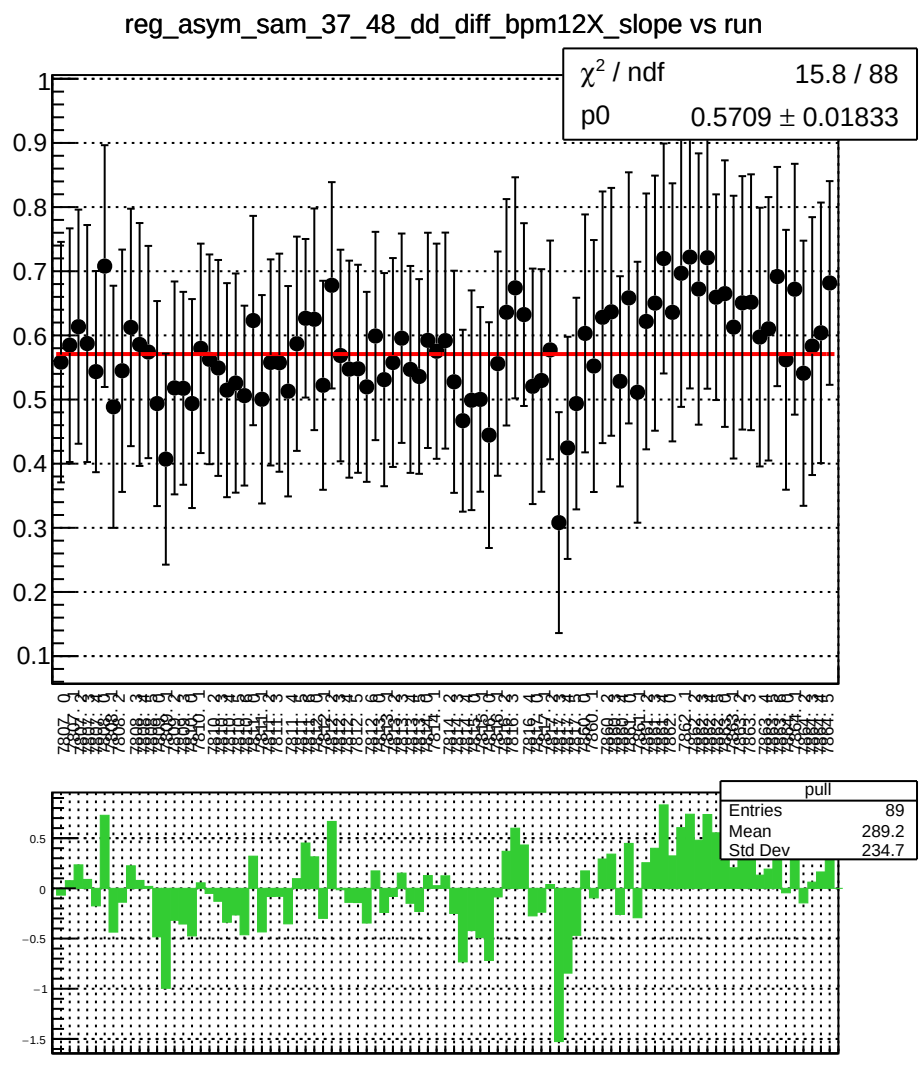

pull1D
Entries 89
Mean −0.0128
Std Dev 0.7213

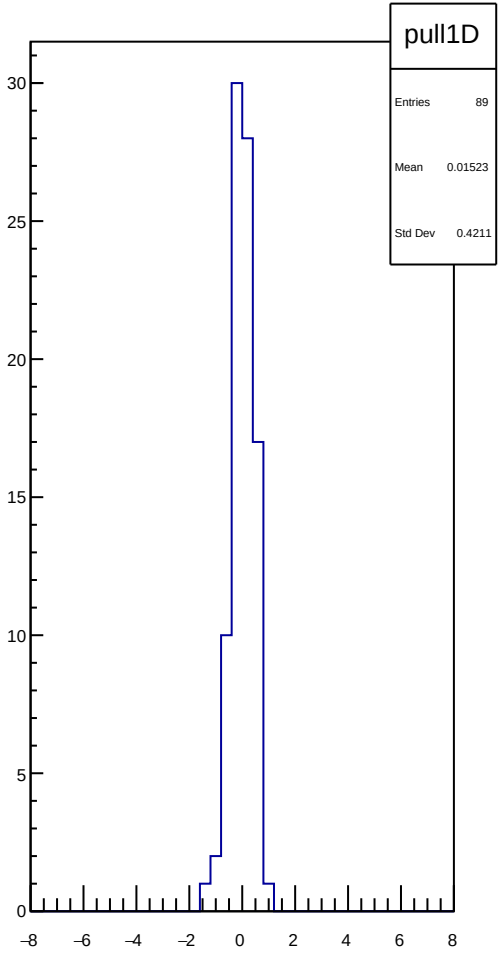

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.29 / 88
p0 −26.92 ± 0.5539
pull
Entries 89
Mean 1.809e+04
Std Dev 1.804e+04

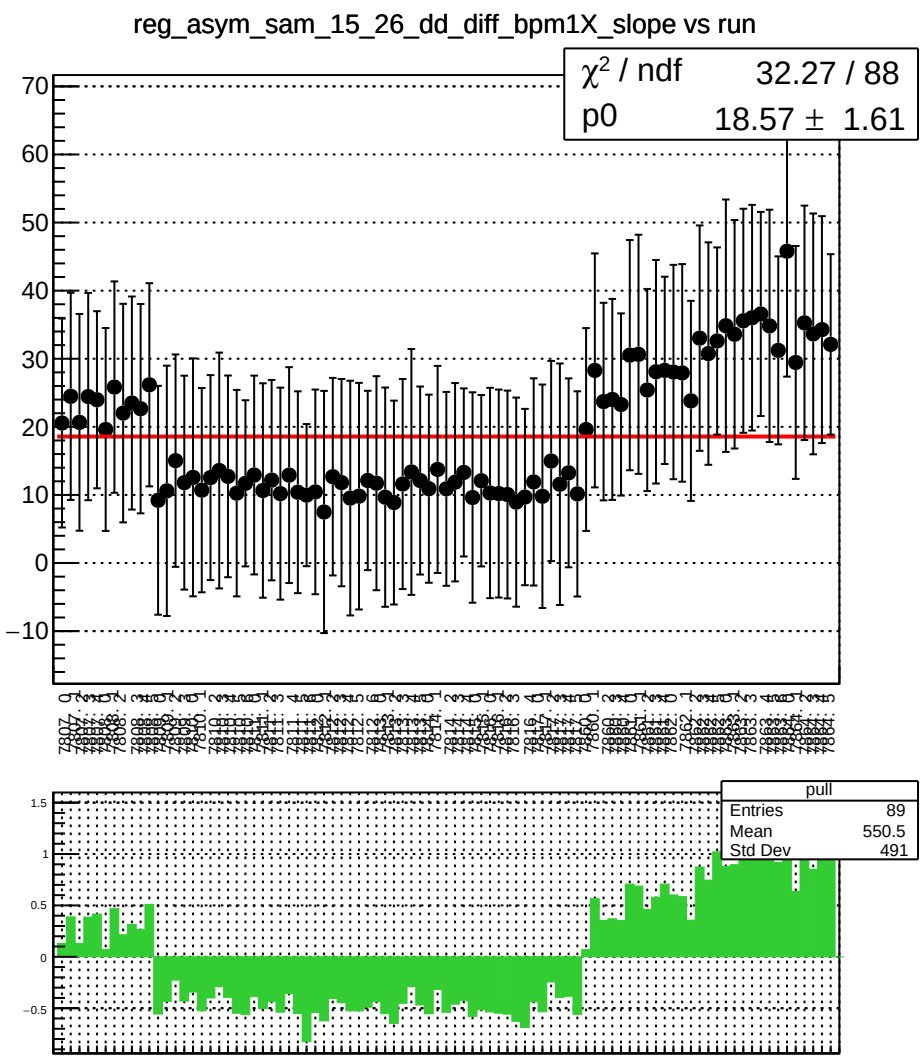

pull1D
Entries 89
Mean 0.0002212
Std Dev 0.6023

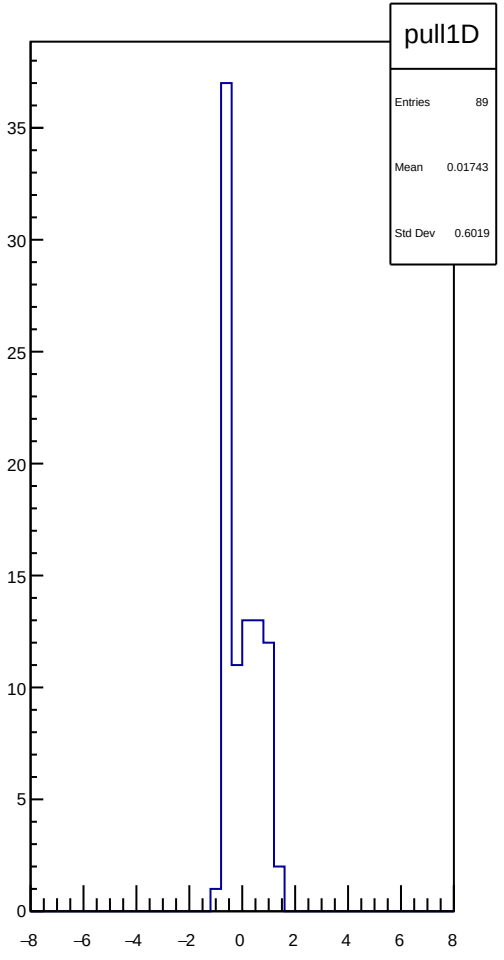

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.95 / 88
p0 10.83 ± 0.4919
pull
Entries 89
Mean −4917
Std Dev 4972
pull1D
Entries 89
Mean −0.002268
Std Dev 0.7028

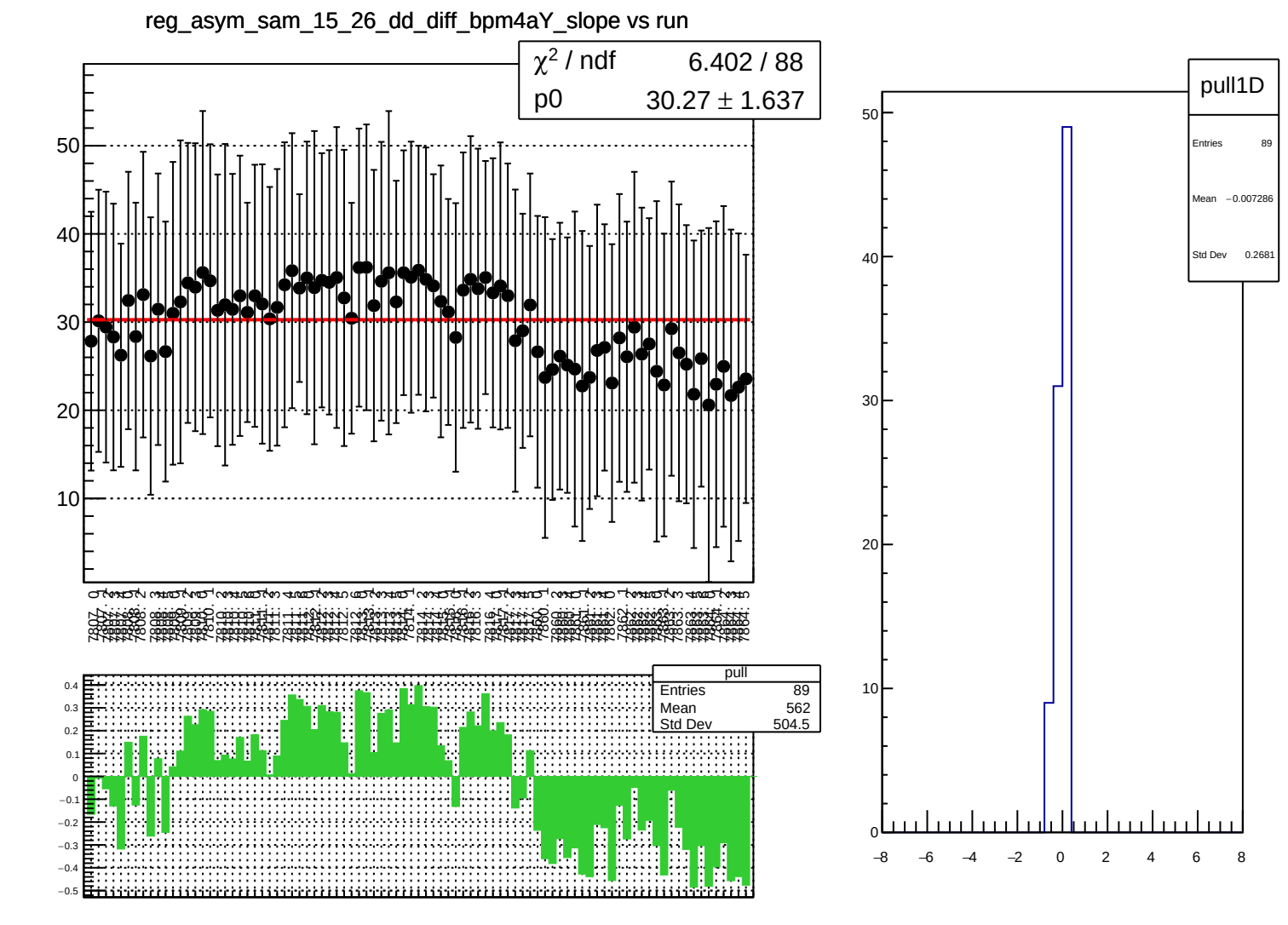

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.21 / 88
p0 −23.67 ± 0.6312
pull
Entries 89
Mean 1280
Std Dev 1229
pull1D
Entries 89
Mean −0.00167
Std Dev 0.4995

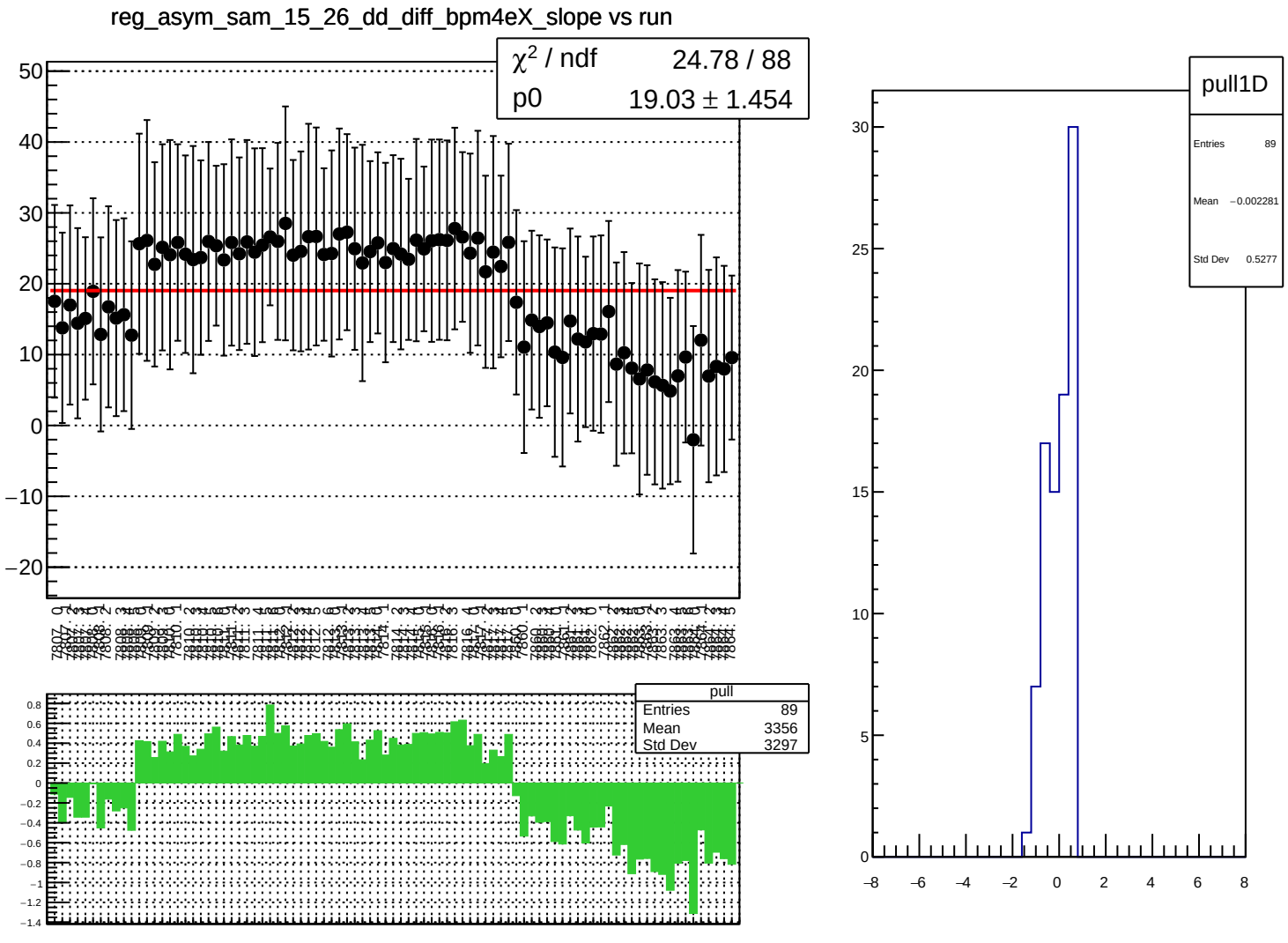

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.8 / 88
p0 0.5709 ± 0.01833
pull
Entries 89
Mean 289.2
Std Dev 234.7

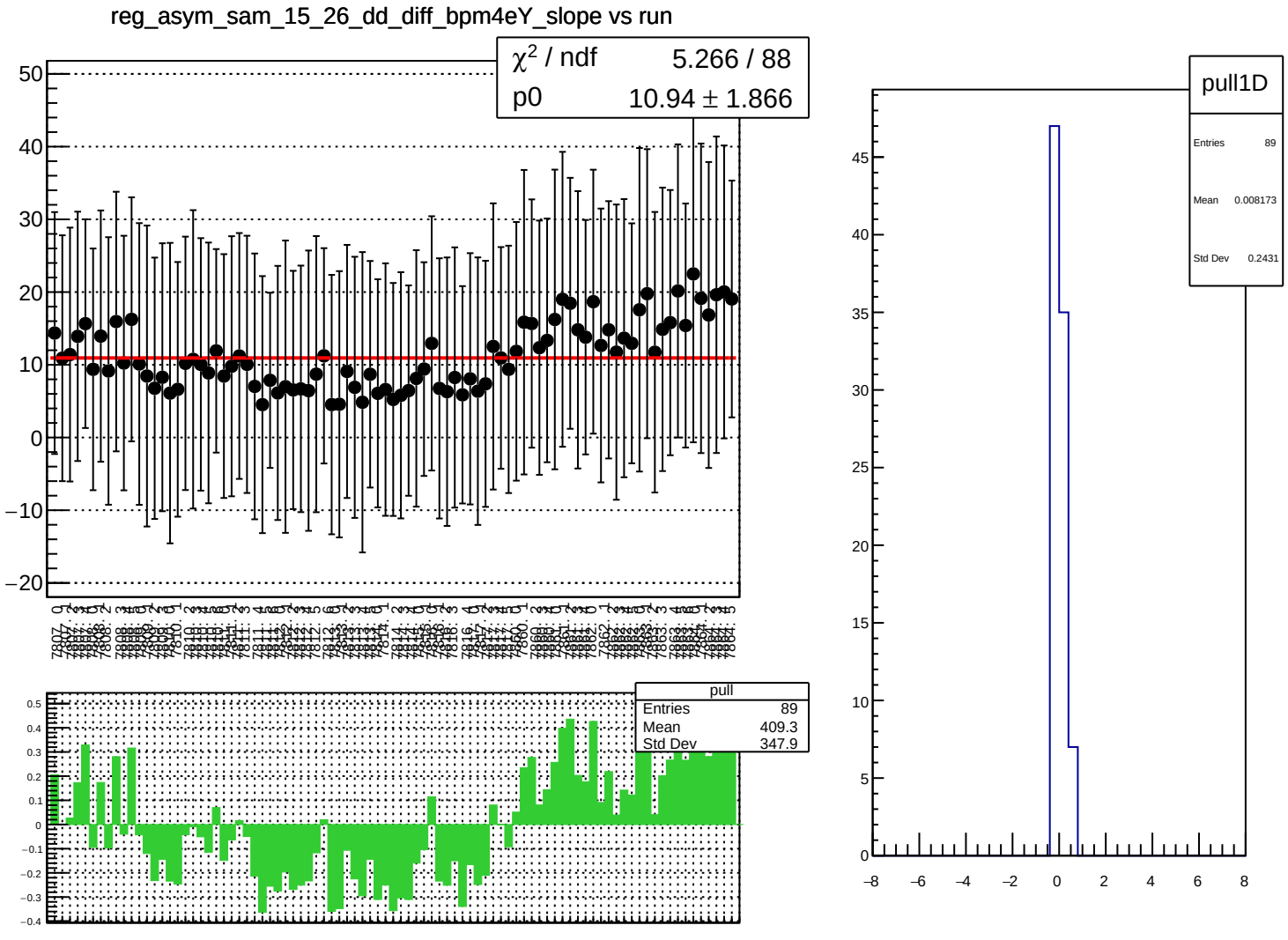

pull1D
Entries 89
Mean 0.01523
Std Dev 0.4211

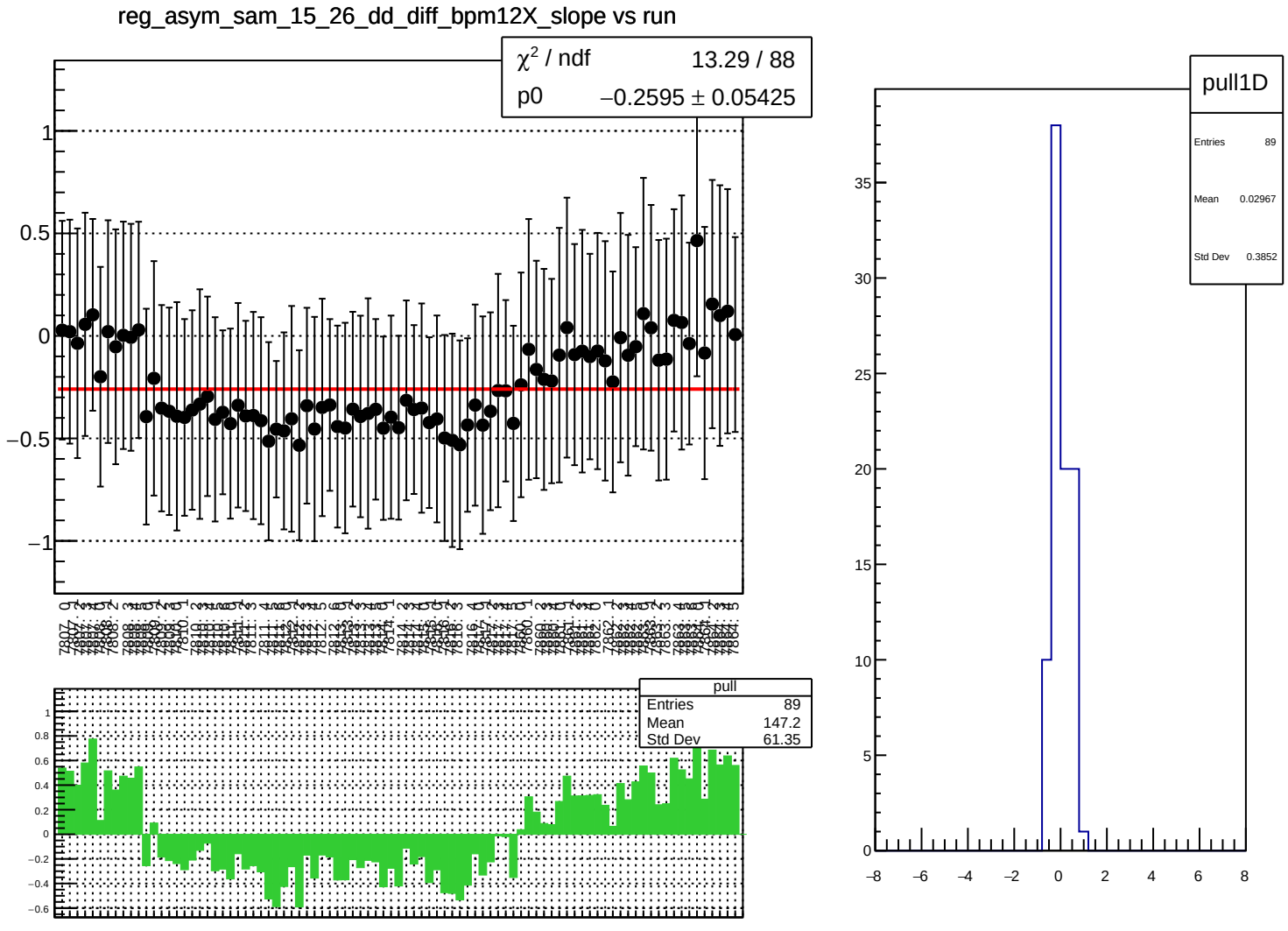

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 32.27 / 88
p0 18.57 ± 1.61
pull
Entries 89
Mean 550.5
Std Dev 491

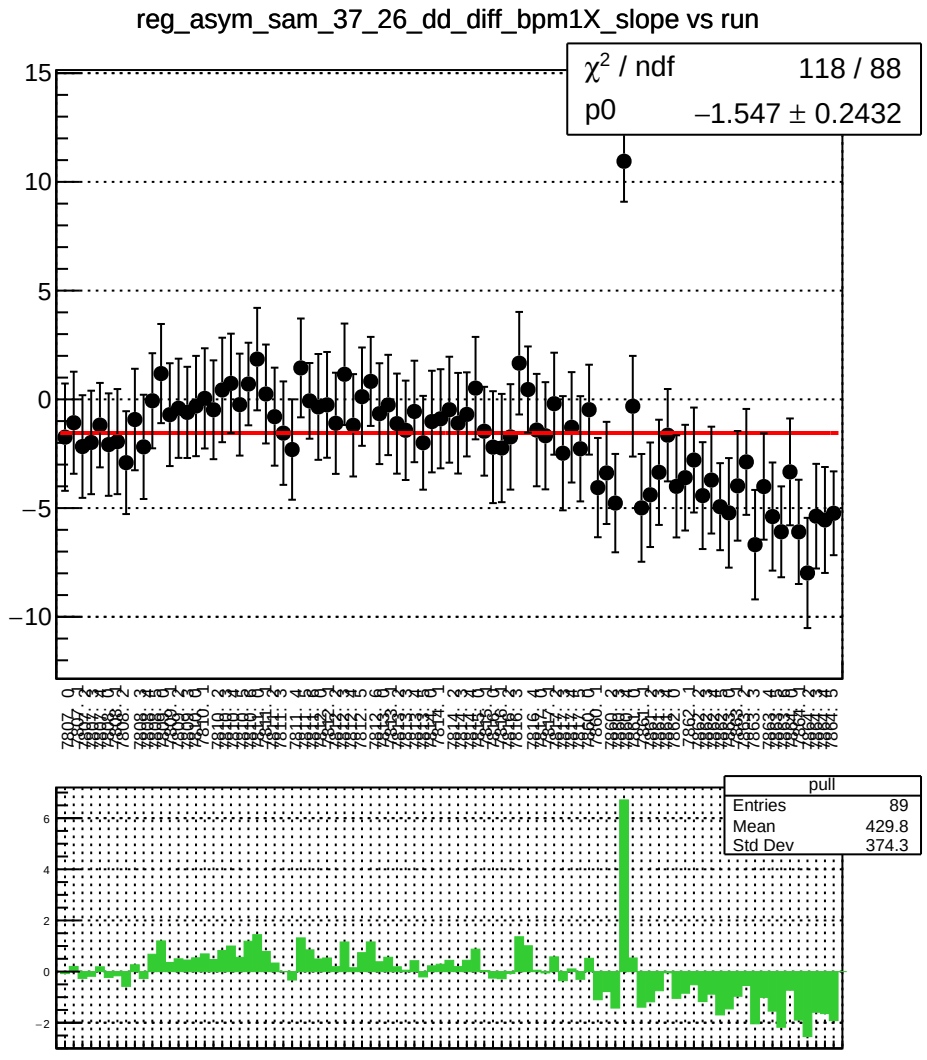

pull1D
Entries 89
Mean 0.01743
Std Dev 0.6019

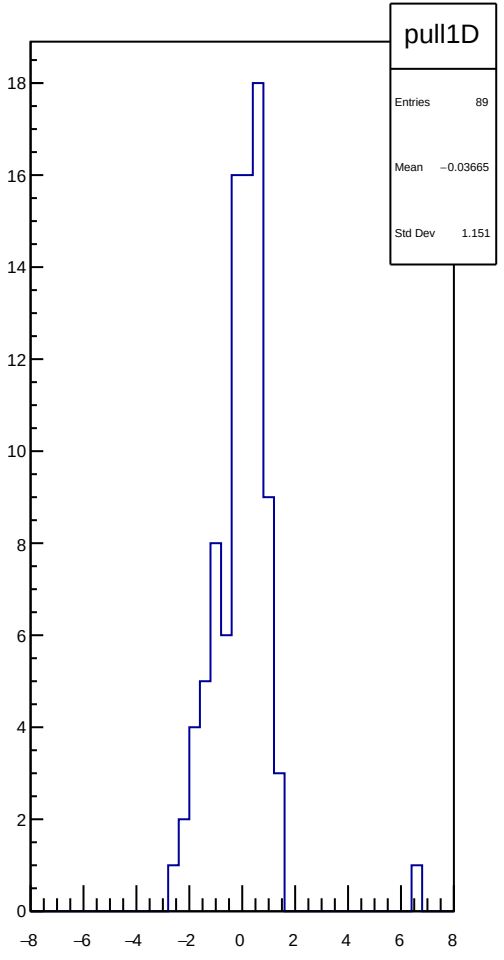

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.402 / 88
p0 30.27 ± 1.637
pull
Entries 89
Mean 562
Std Dev 504.5
pull1D
Entries 89
Mean −0.007286
Std Dev 0.2681

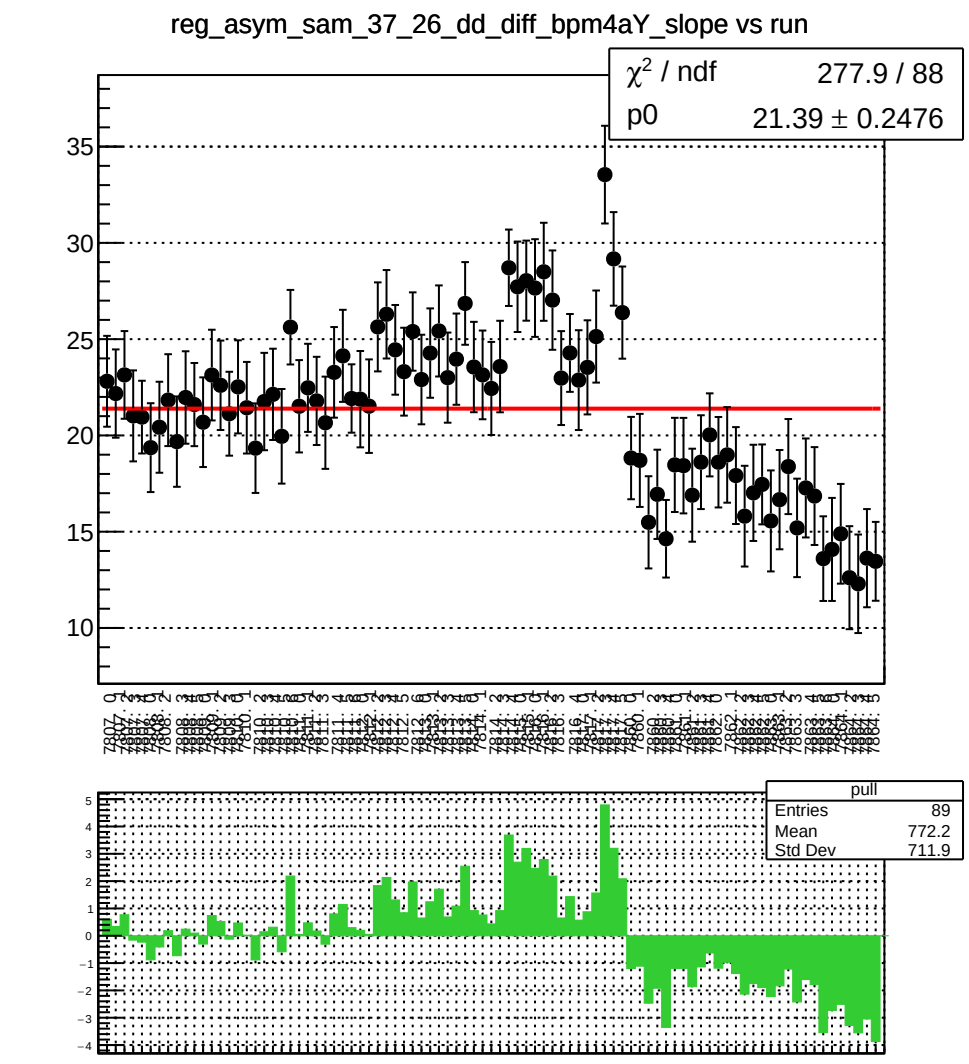

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.78 / 88
p0 19.03 ± 1.454
pull
Entries 89
Mean 3356
Std Dev 3297
pull1D
Entries 89
Mean −0.002281
Std Dev 0.5277

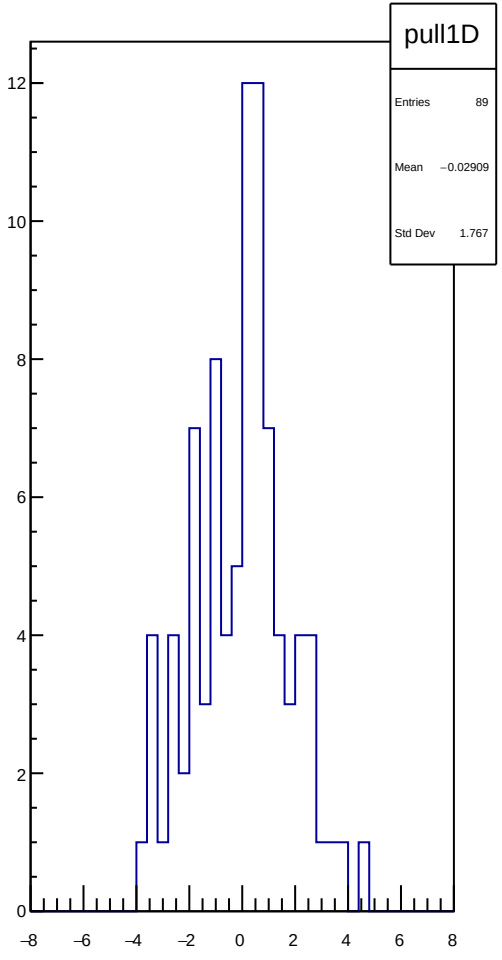

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.266 / 88
p0 10.94 ± 1.866
pull
Entries 89
Mean 409.3
Std Dev 347.9
pull1D
Entries 89
Mean 0.008173
Std Dev 0.2431

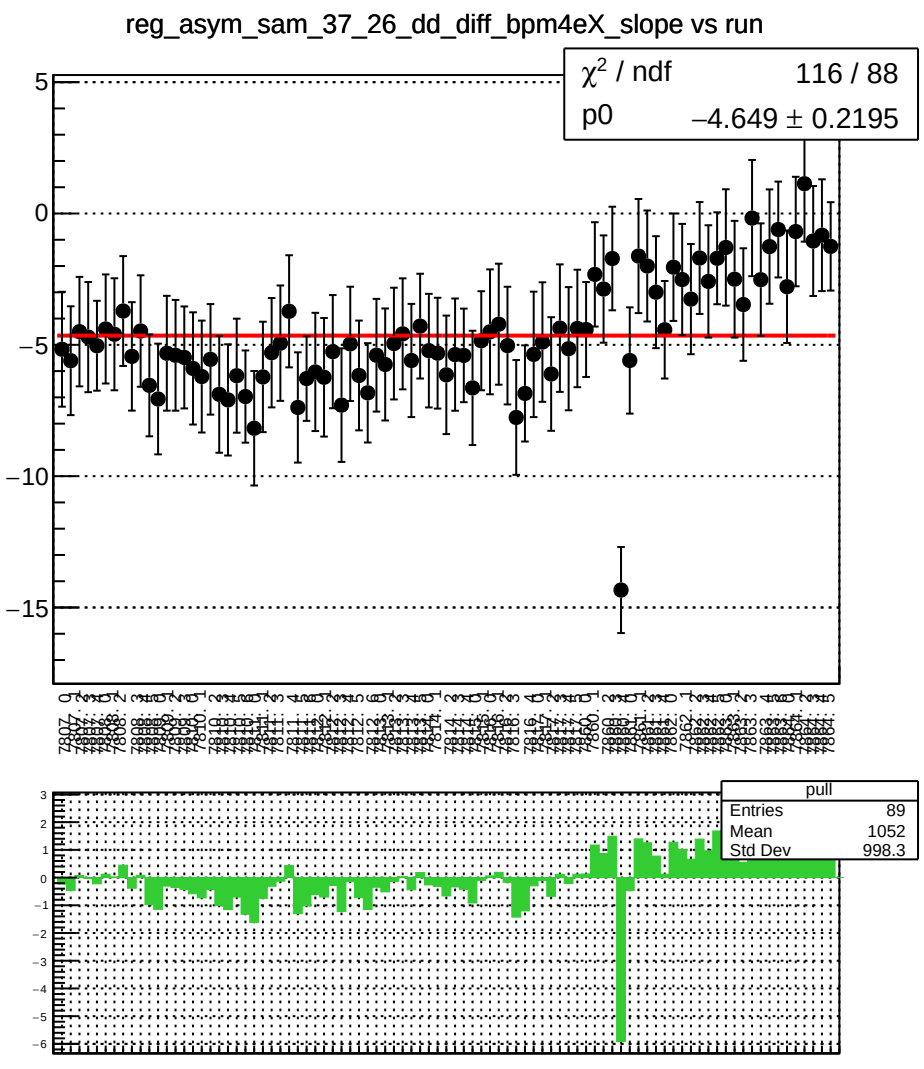

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 13.29 / 88
p0 −0.2595 ± 0.05425
pull
Entries 89
Mean 147.2
Std Dev 61.35
pull1D
Entries 89
Mean 0.02967
Std Dev 0.3852

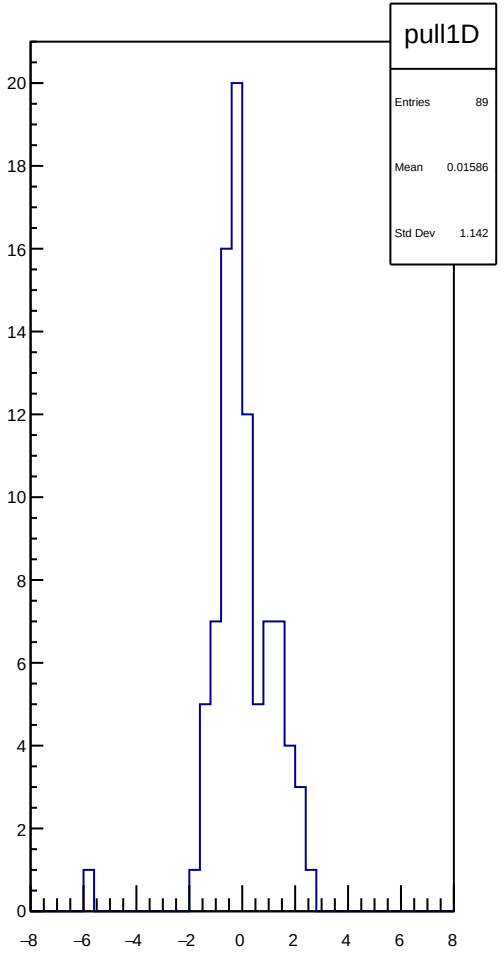

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 118 / 88
p0 −1.547 ± 0.2432
pull
Entries 89
Mean 429.8
Std Dev 374.3

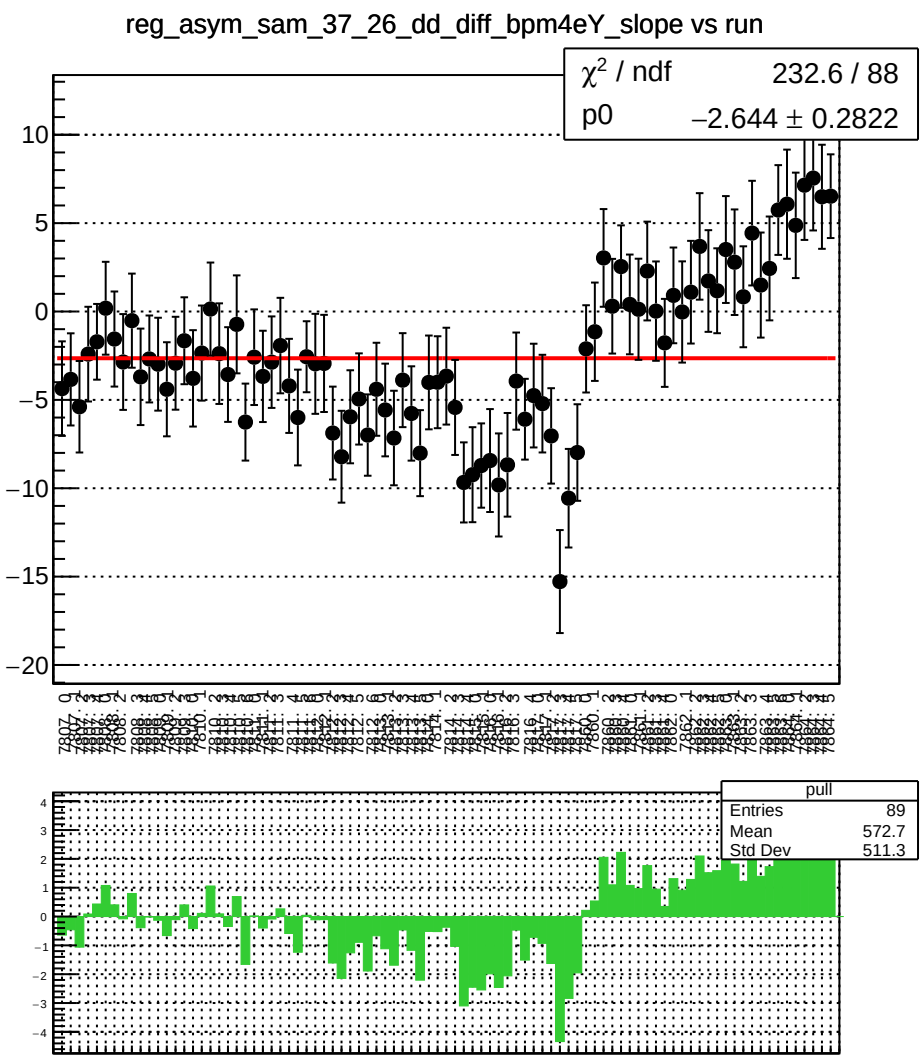

pull1D
Entries 89
Mean −0.03665
Std Dev 1.151

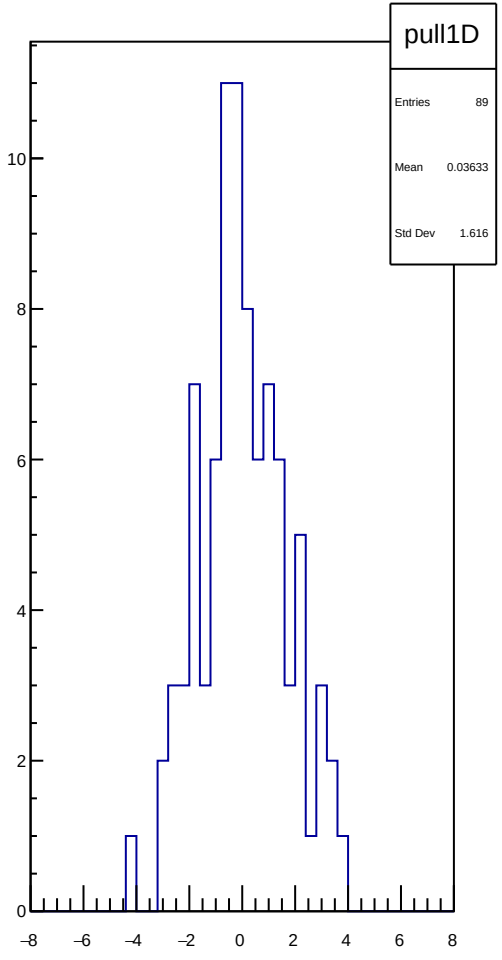

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 277.9 / 88
p0 21.39 ± 0.2476
pull
Entries 89
Mean 772.2
Std Dev 711.9

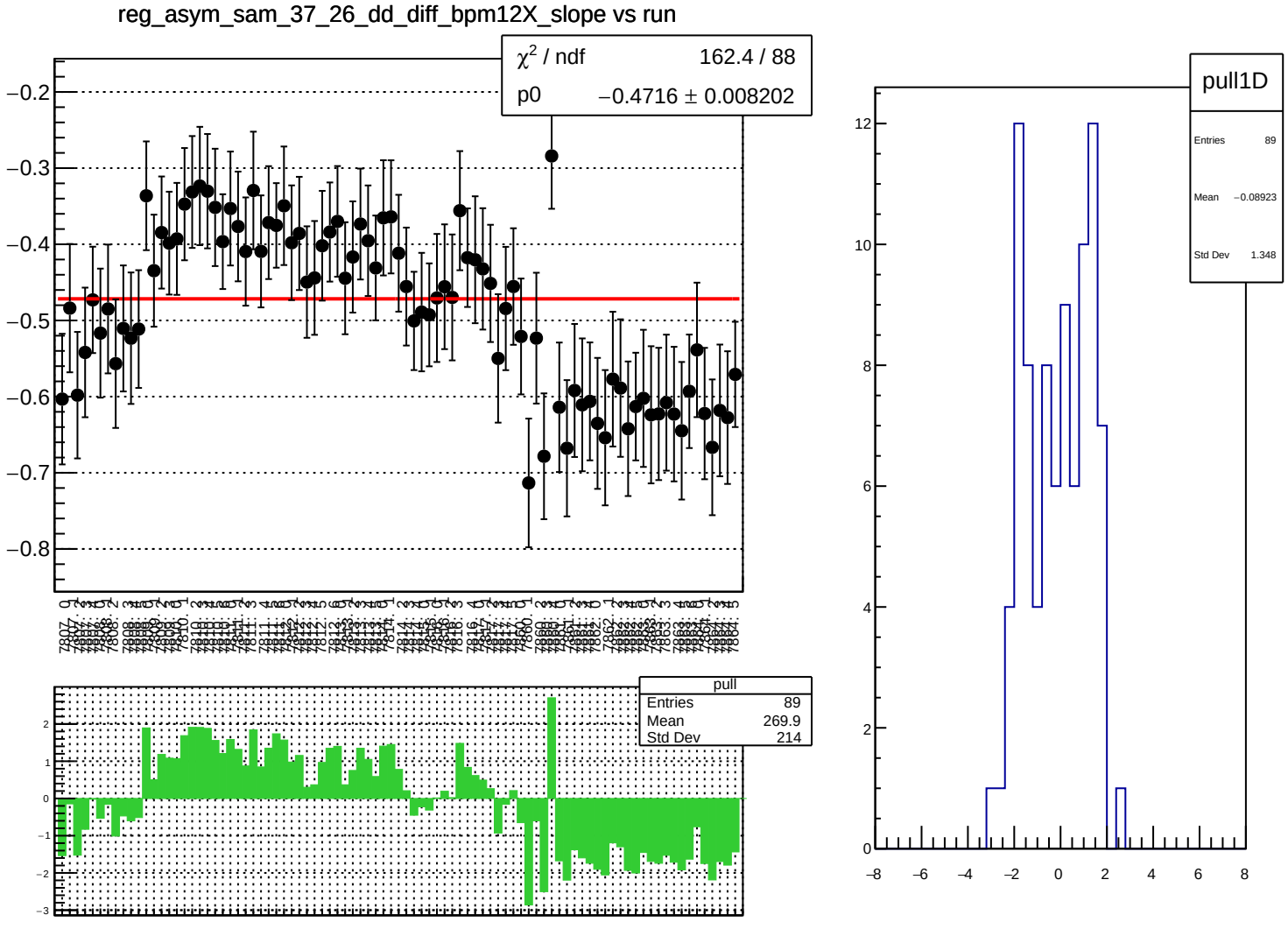

pull1D
Entries 89
Mean −0.02909
Std Dev 1.767

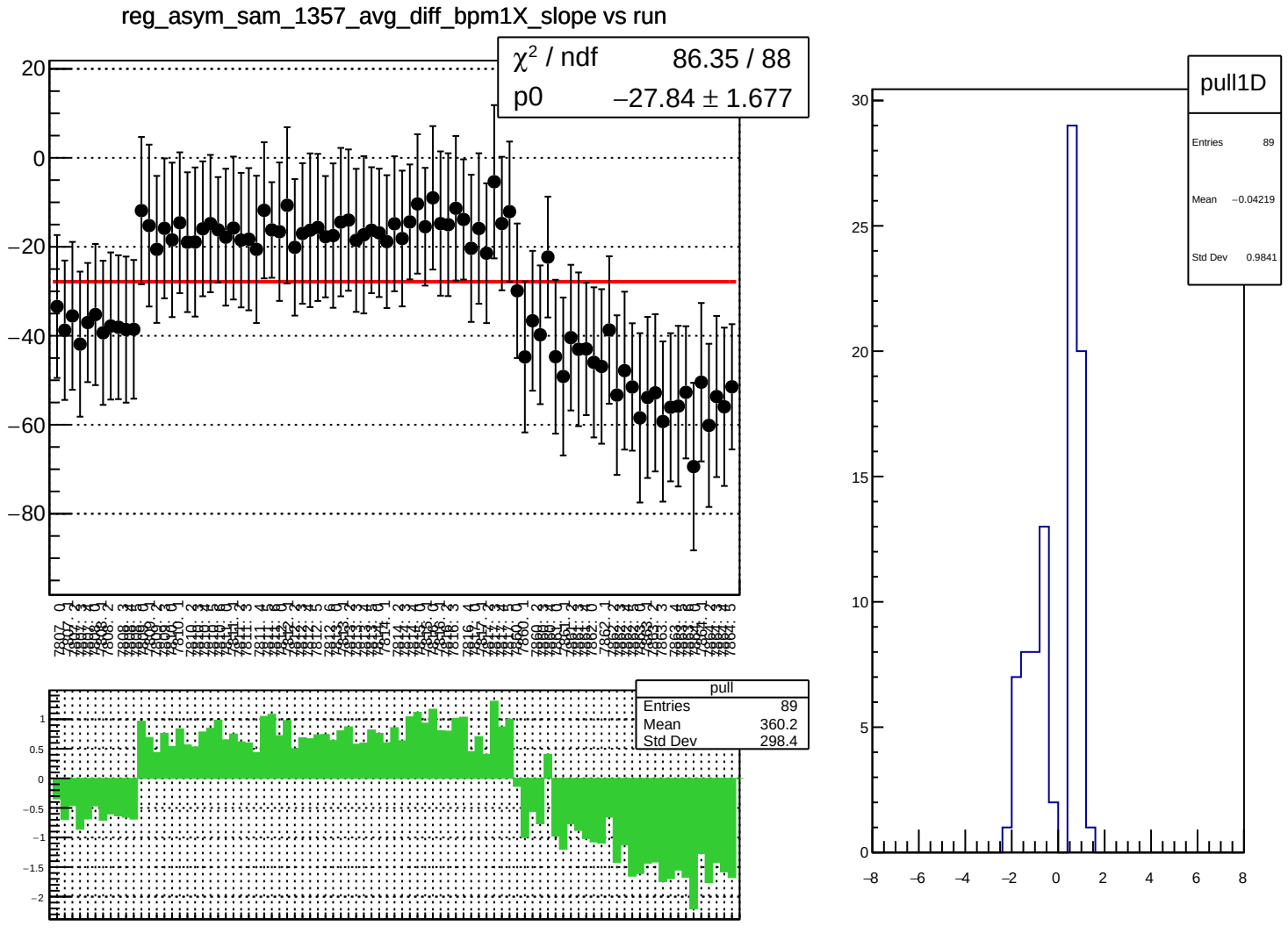

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 116 / 88
p0 −4.649 ± 0.2195
pull
Entries 89
Mean 1052
Std Dev 998.3

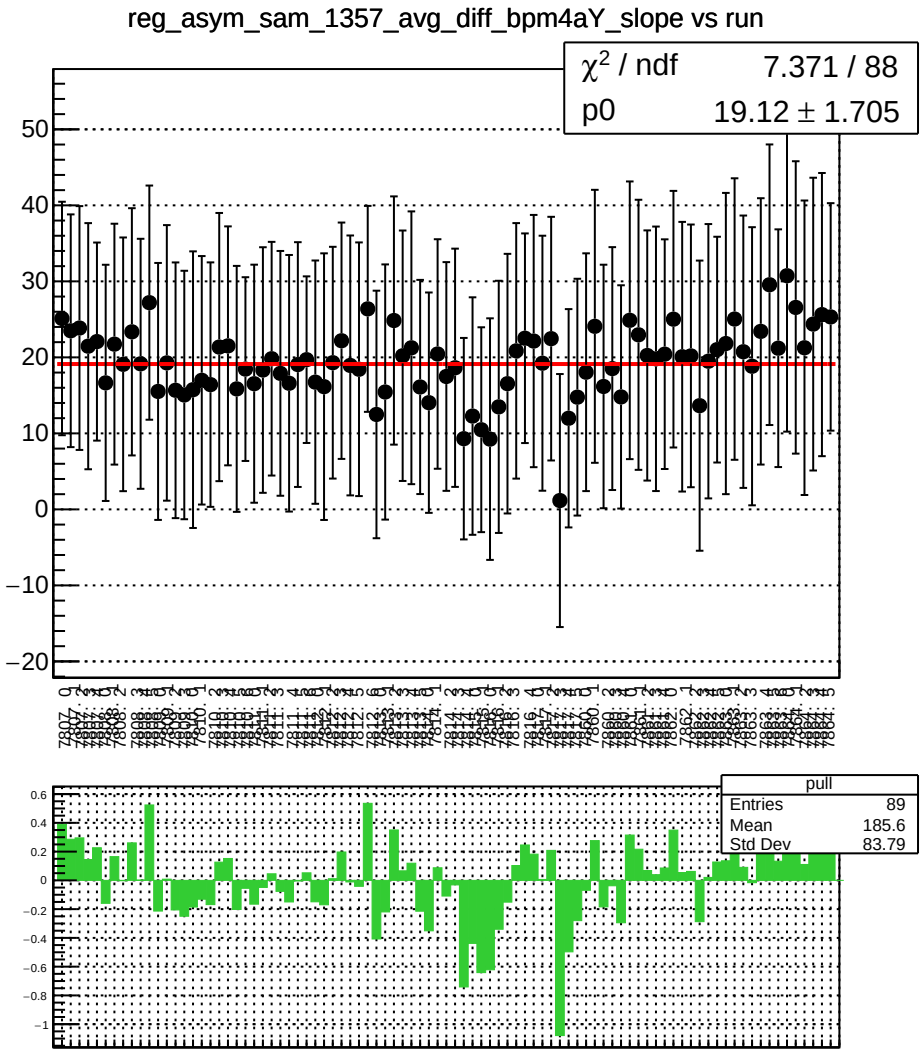

pull1D
Entries 89
Mean 0.01586
Std Dev 1.142

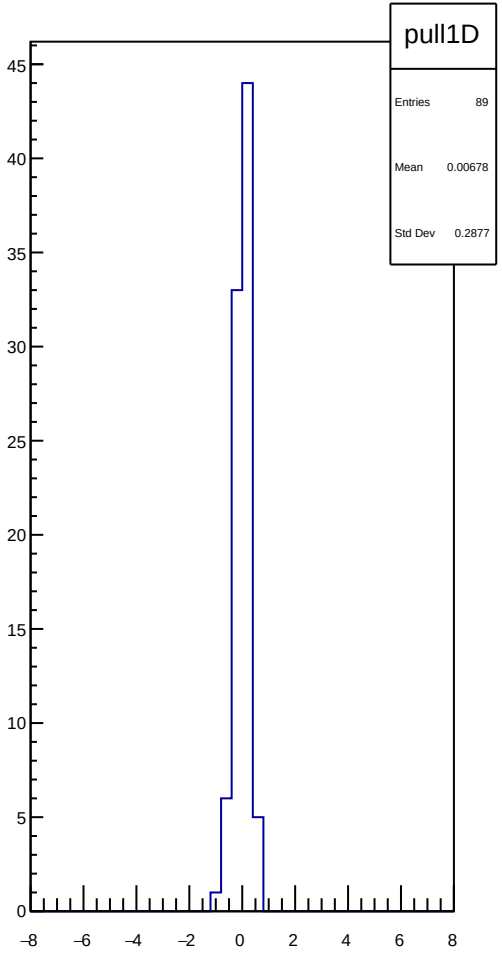

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 232.6 / 88
p0 −2.644 ± 0.2822
pull
Entries 89
Mean 572.7
Std Dev 511.3

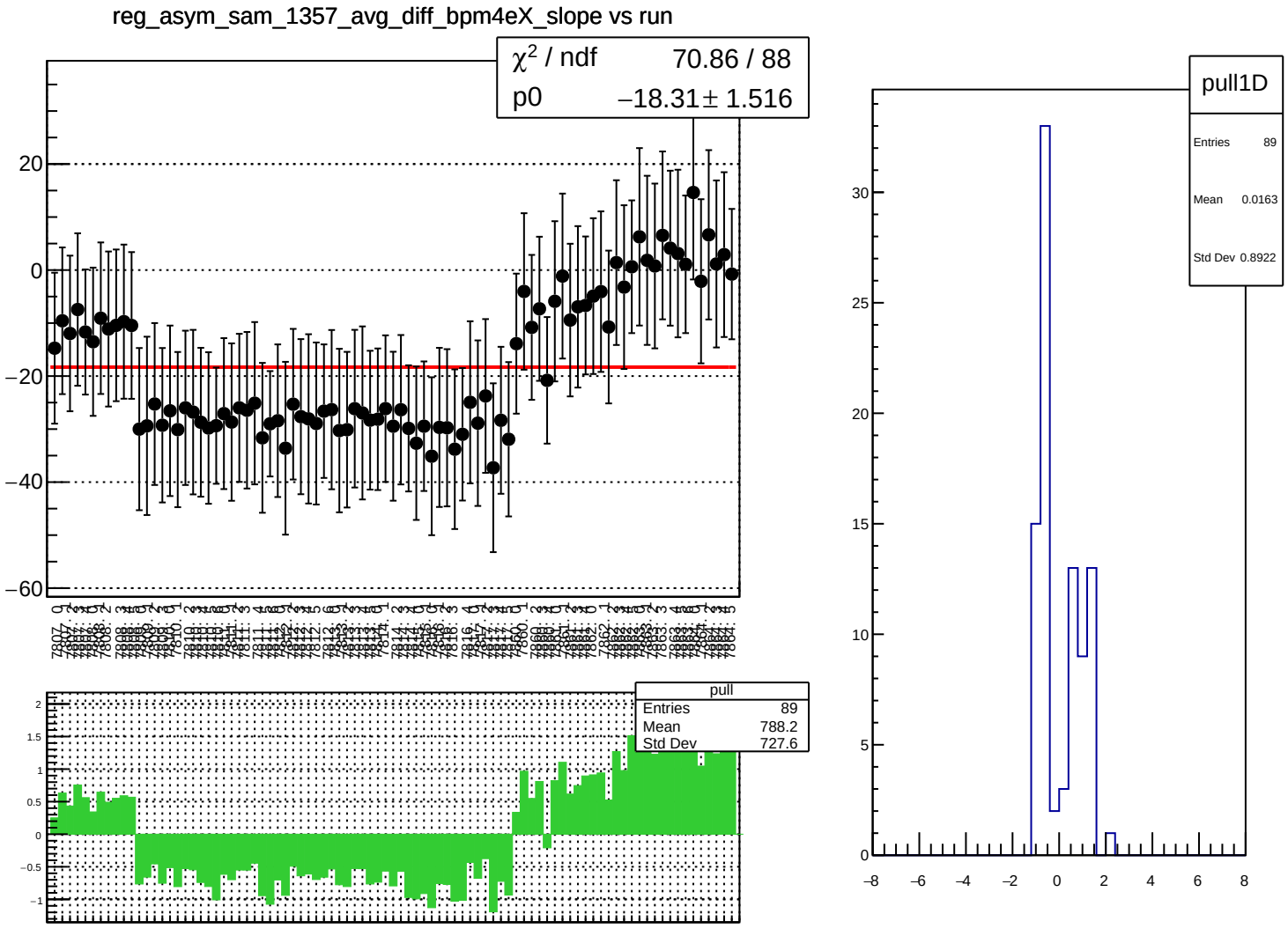

pull1D
Entries 89
Mean 0.03633
Std Dev 1.616

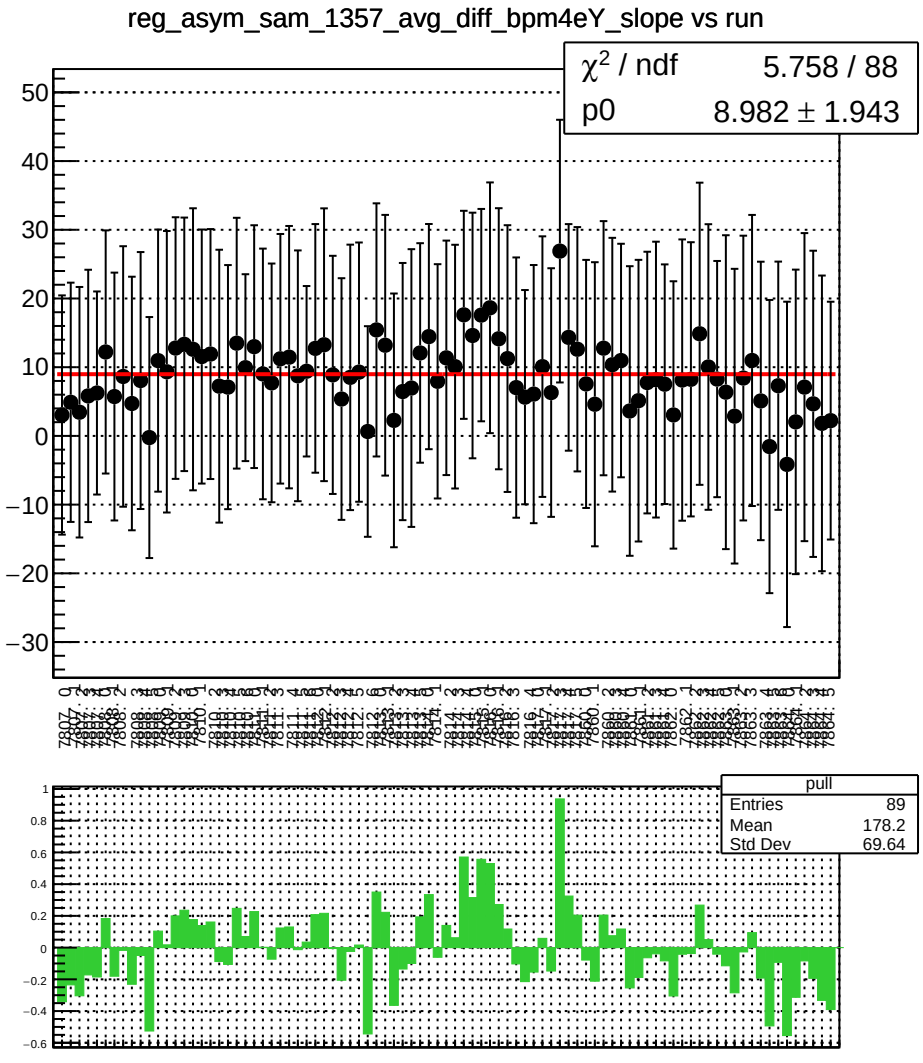

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 162.4 / 88
p0 −0.4716 ± 0.008202
pull
Entries 89
Mean 269.9
Std Dev 214
pull1D
Entries 89
Mean −0.08923
Std Dev 1.348

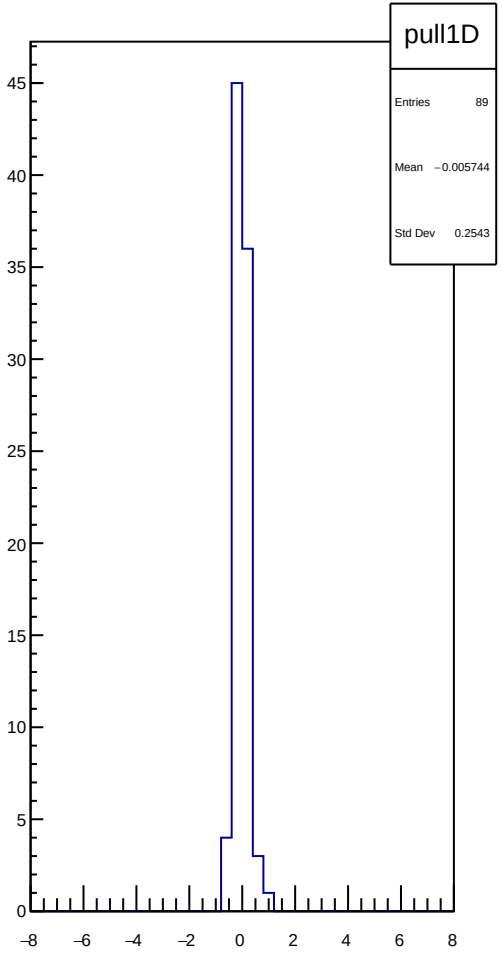

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 86.35 / 88
p0 −27.84 ± 1.677
pull
Entries 89
Mean 360.2
Std Dev 298.4
pull1D
Entries 89
Mean −0.04219
Std Dev 0.9841

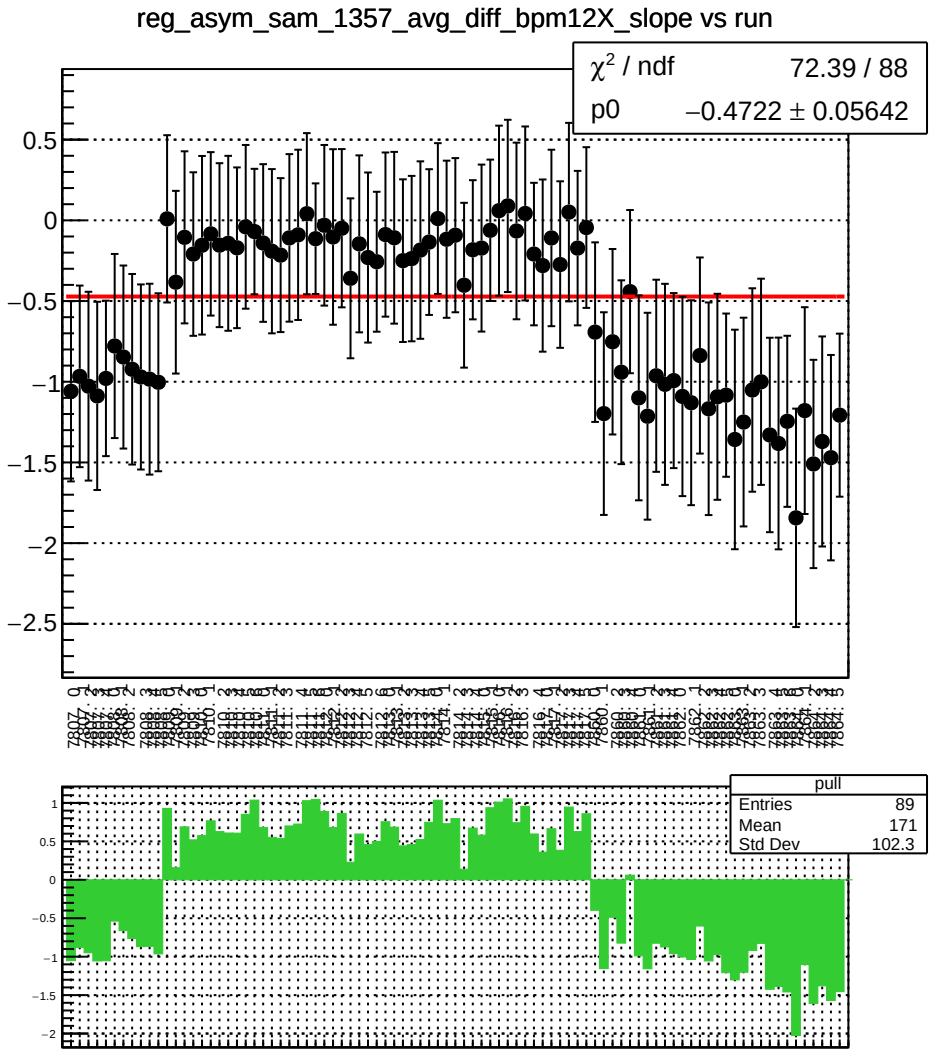

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.371 / 88
p0 19.12 ± 1.705
pull
Entries 89
Mean 185.6
Std Dev 83.79

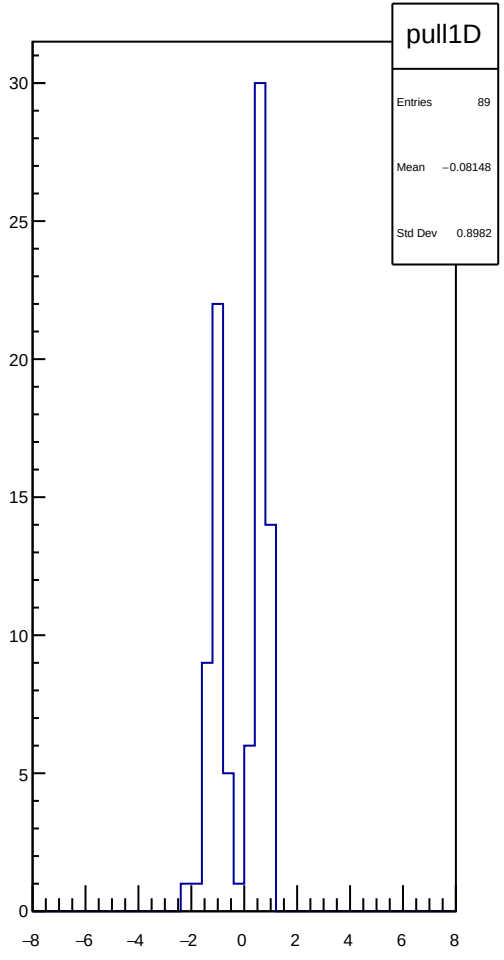

pull1D
Entries 89
Mean 0.00678
Std Dev 0.2877

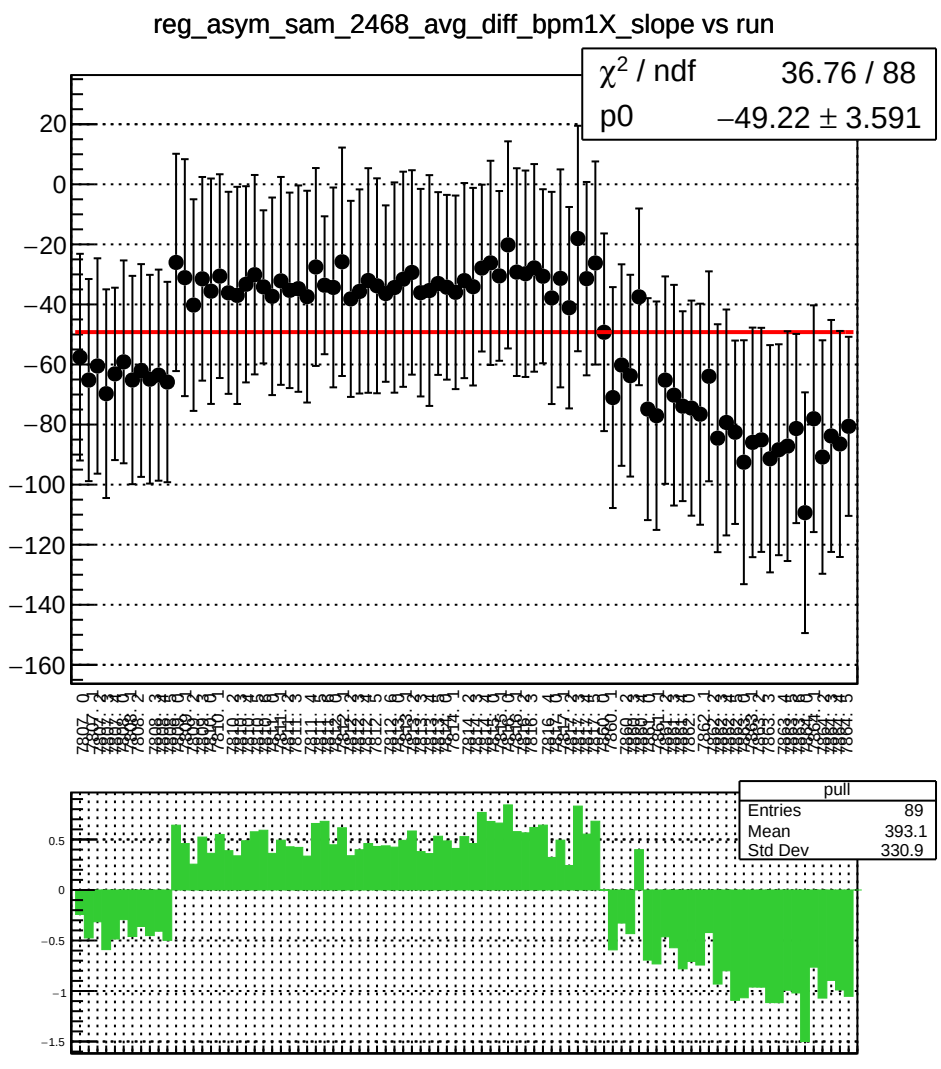

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.86 / 88
p0 −18.31 ± 1.516
pull
Entries 89
Mean 788.2
Std Dev 727.6
pull1D
Entries 89
Mean 0.0163
Std Dev 0.8922

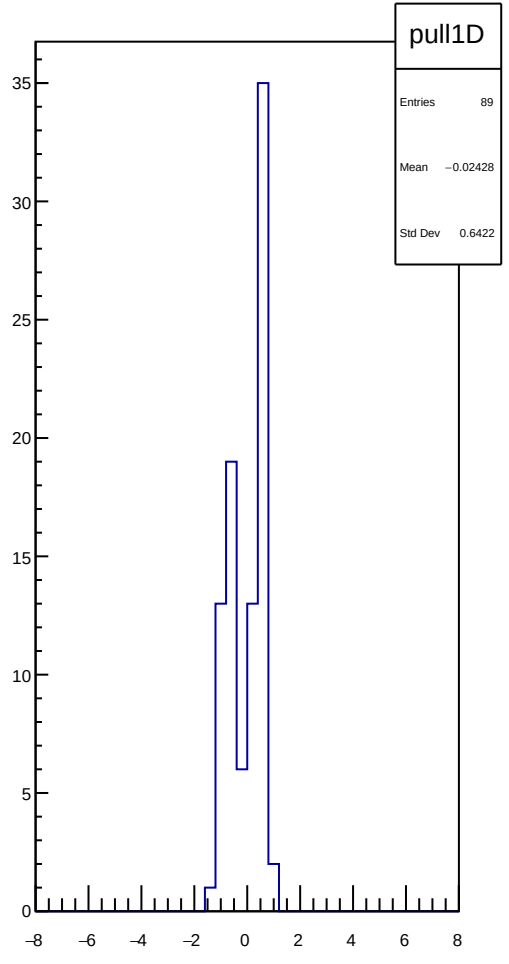

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.758 / 88
p0 8.982 ± 1.943
pull
Entries 89
Mean 178.2
Std Dev 69.64

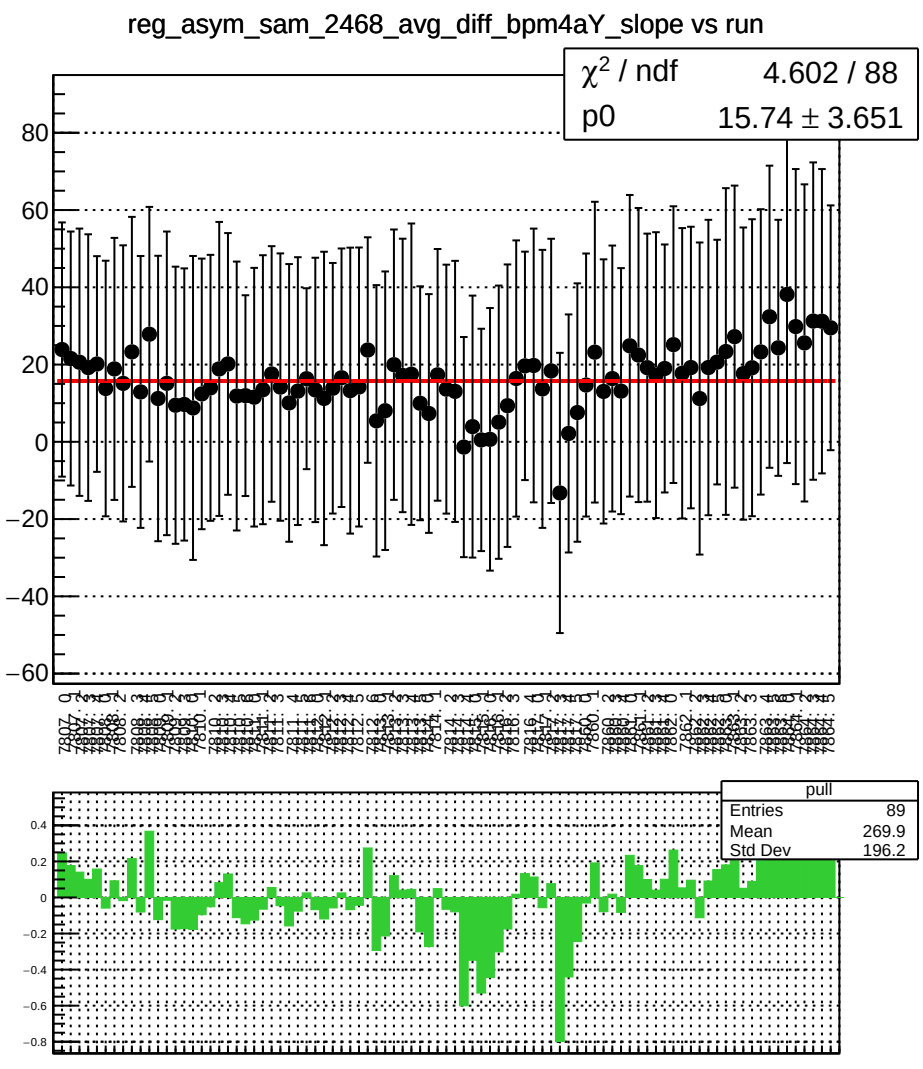

pull1D
Entries 89
Mean −0.005744
Std Dev 0.2543

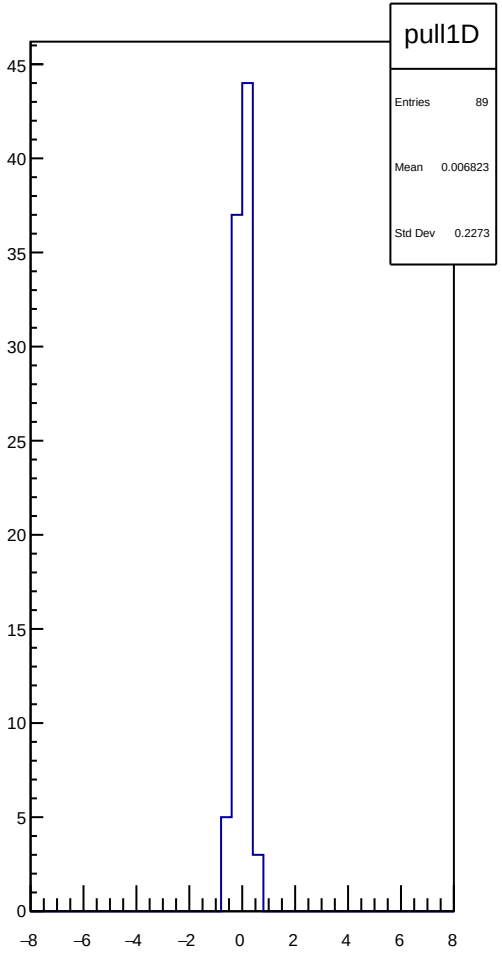

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 72.39 / 88
p0 −0.4722 ± 0.05642
pull
Entries 89
Mean 171
Std Dev 102.3

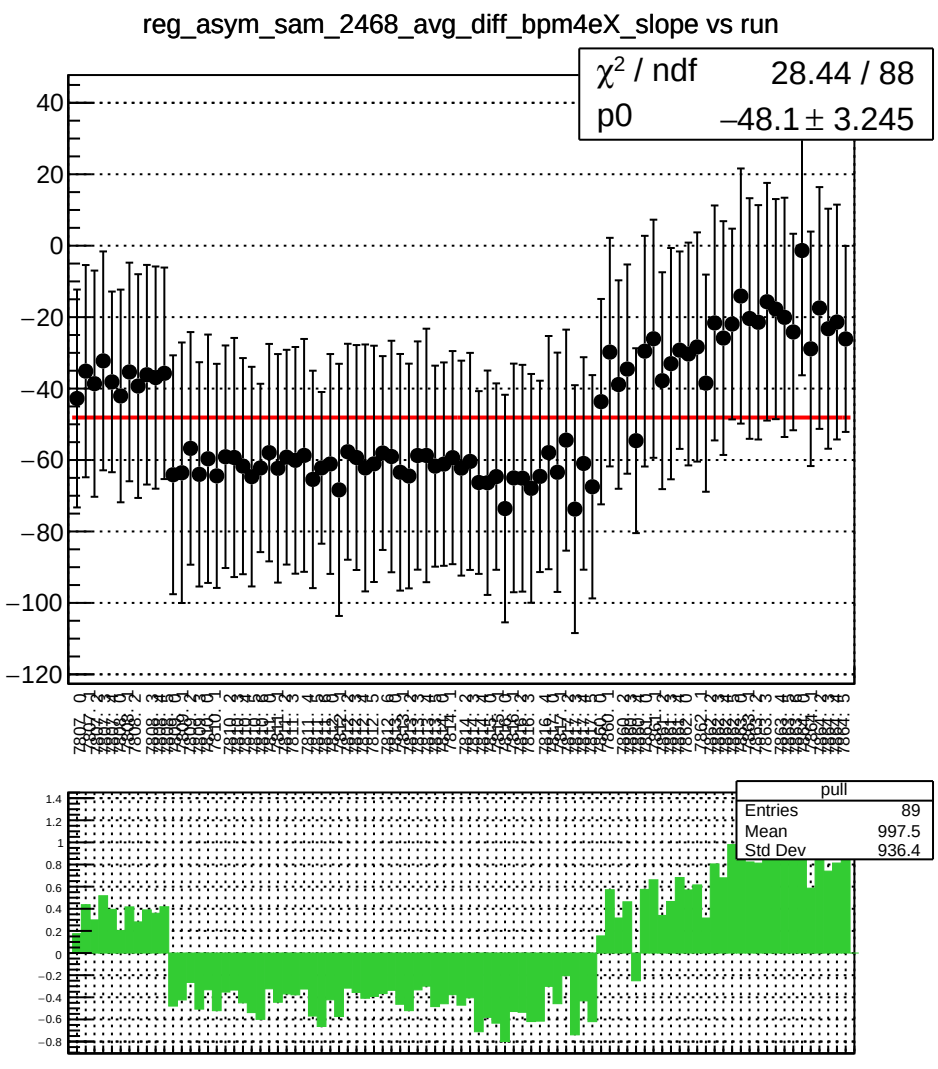

pull1D
Entries 89
Mean −0.08148
Std Dev 0.8982

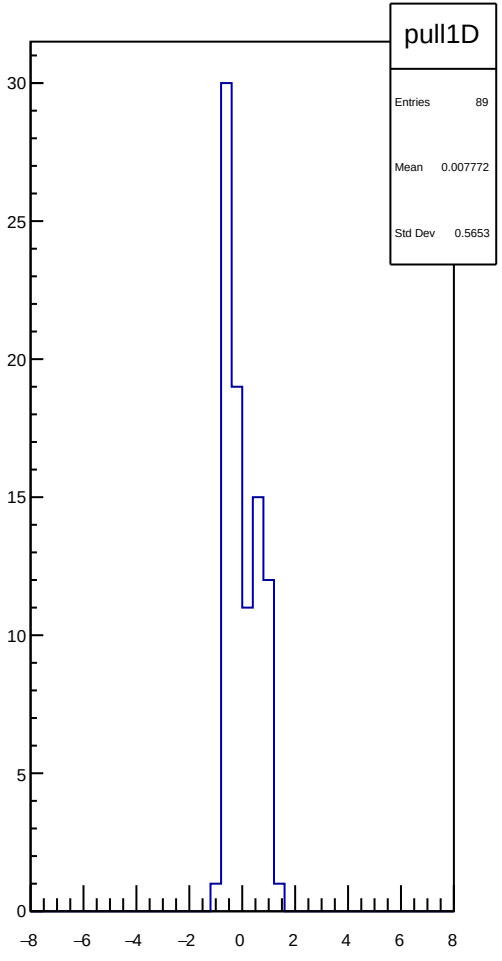

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 36.76 / 88
p0 −49.22 ± 3.591
pull
Entries 89
Mean 393.1
Std Dev 330.9

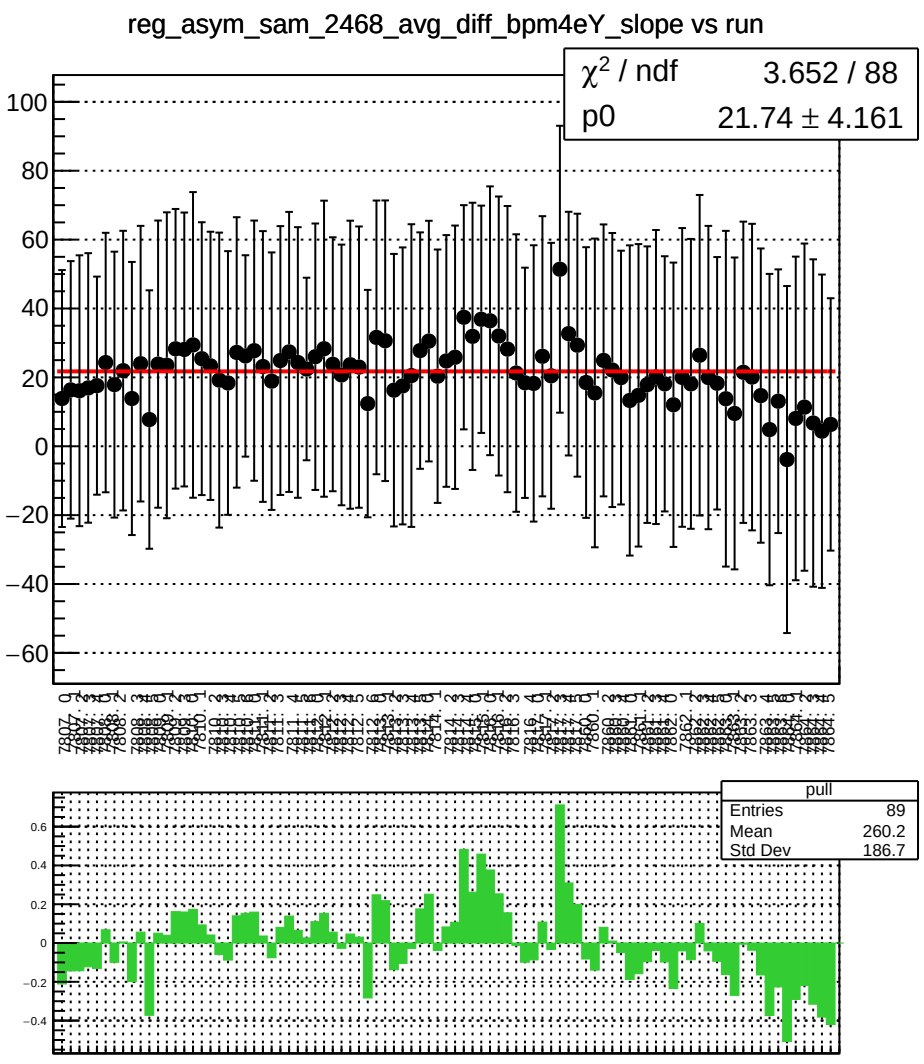

pull1D
Entries 89
Mean −0.02428
Std Dev 0.6422

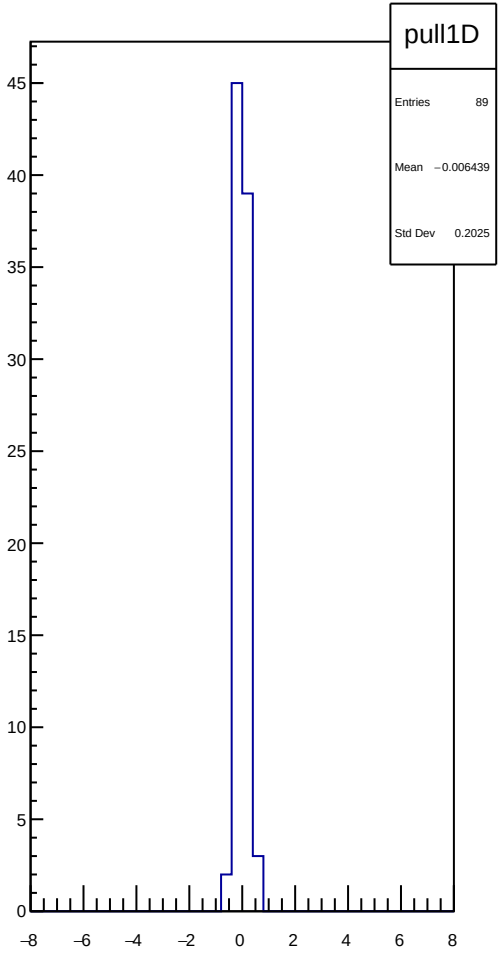

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.602 / 88
p0 15.74 ± 3.651
pull
Entries 89
Mean 269.9
Std Dev 196.2

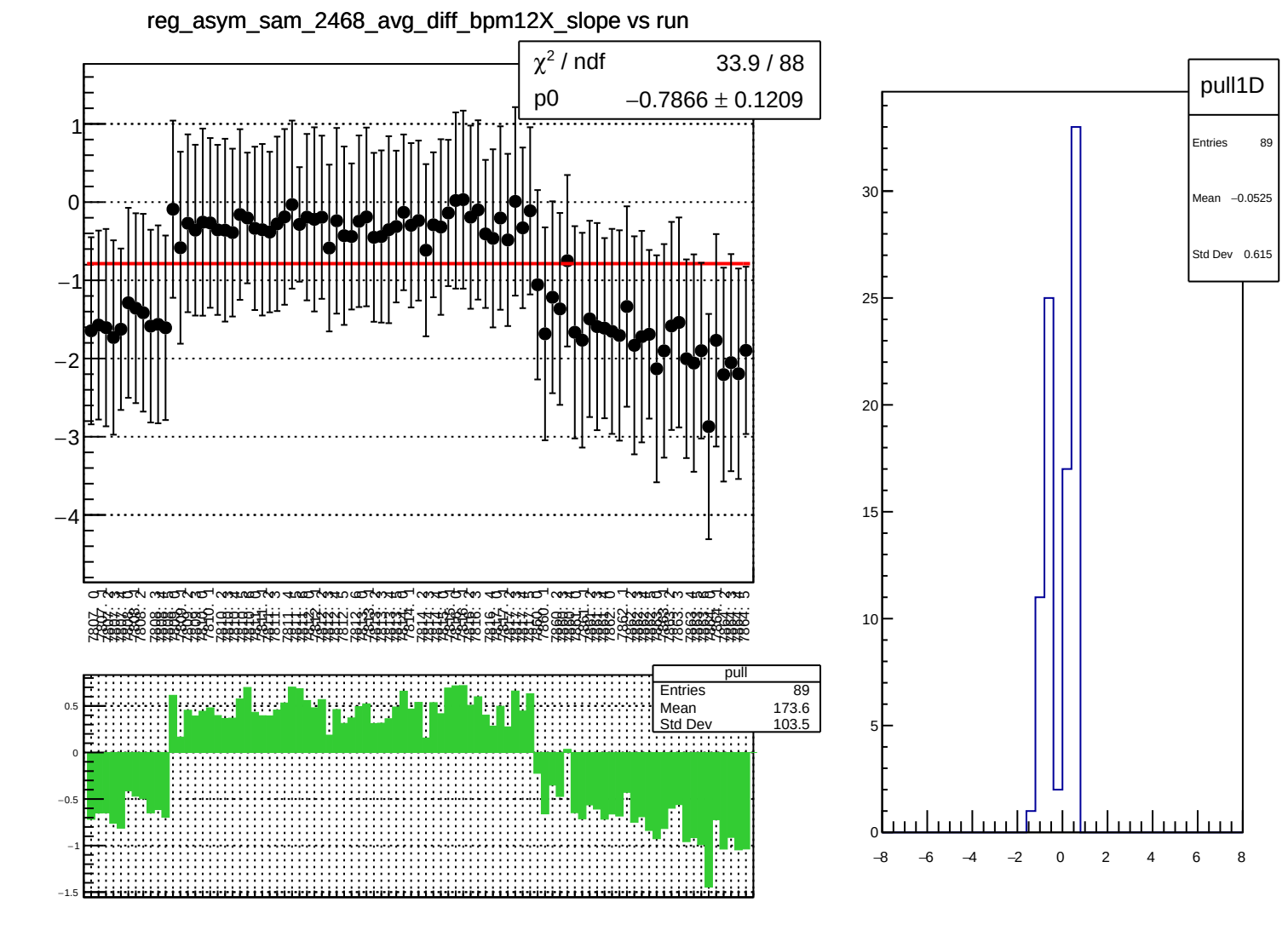

pull1D
Entries 89
Mean 0.006823
Std Dev 0.2273

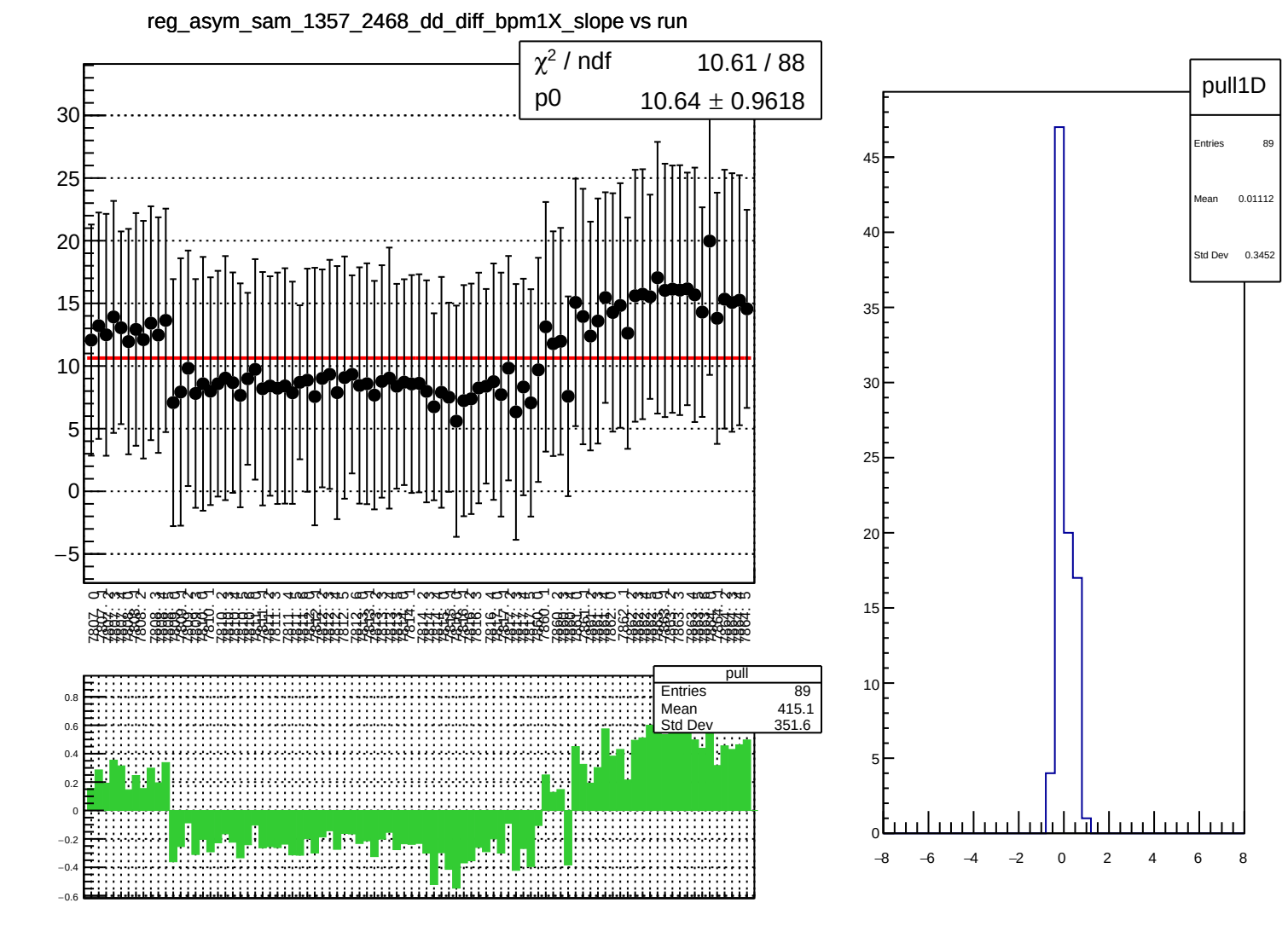

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.44 / 88
p0 −48.1 ± 3.245
pull
Entries 89
Mean 997.5
Std Dev 936.4

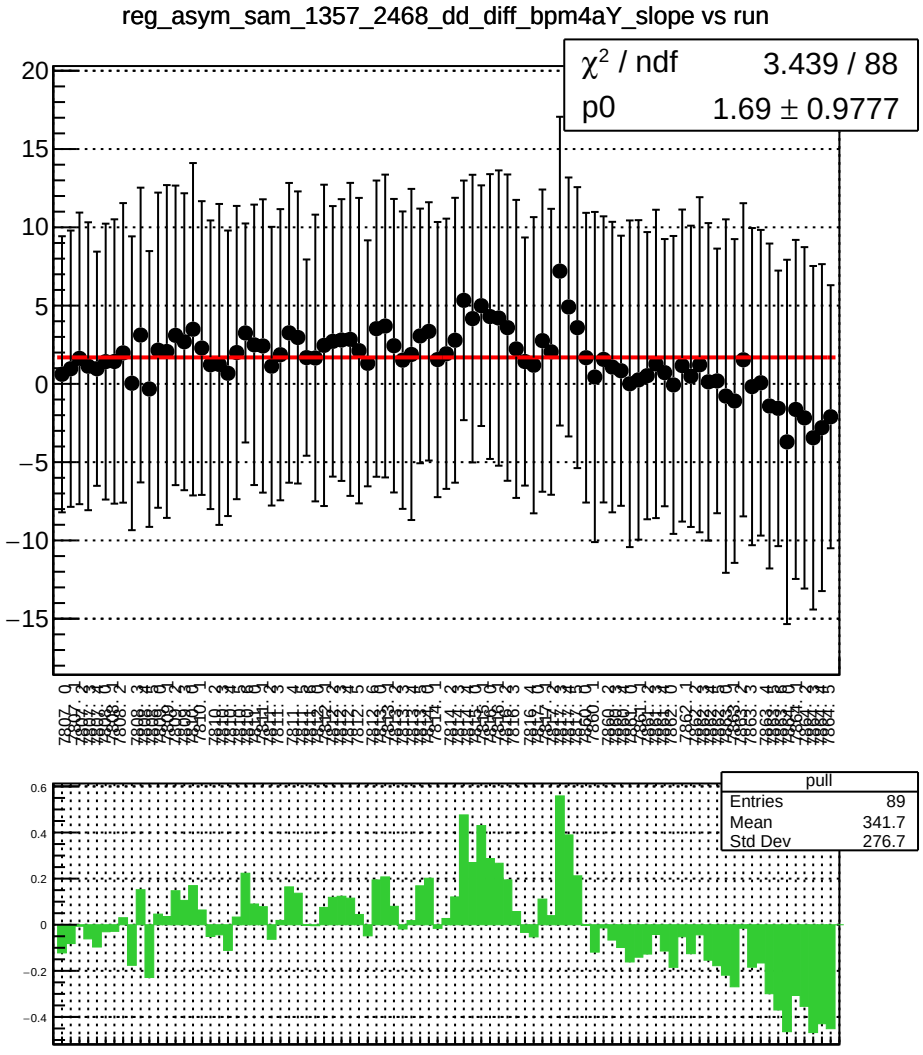

pull1D
Entries 89
Mean 0.007772
Std Dev 0.5653

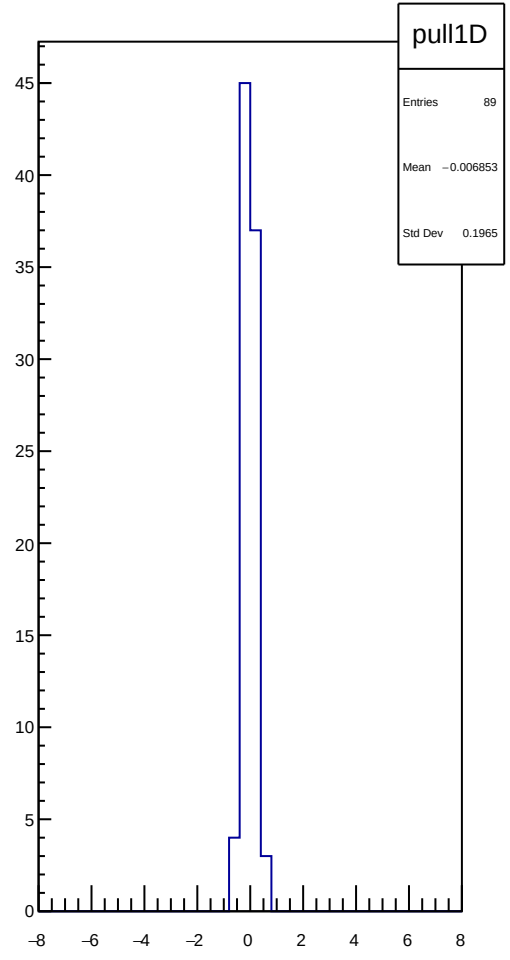

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.652 / 88
p0 21.74 ± 4.161
pull
Entries 89
Mean 260.2
Std Dev 186.7

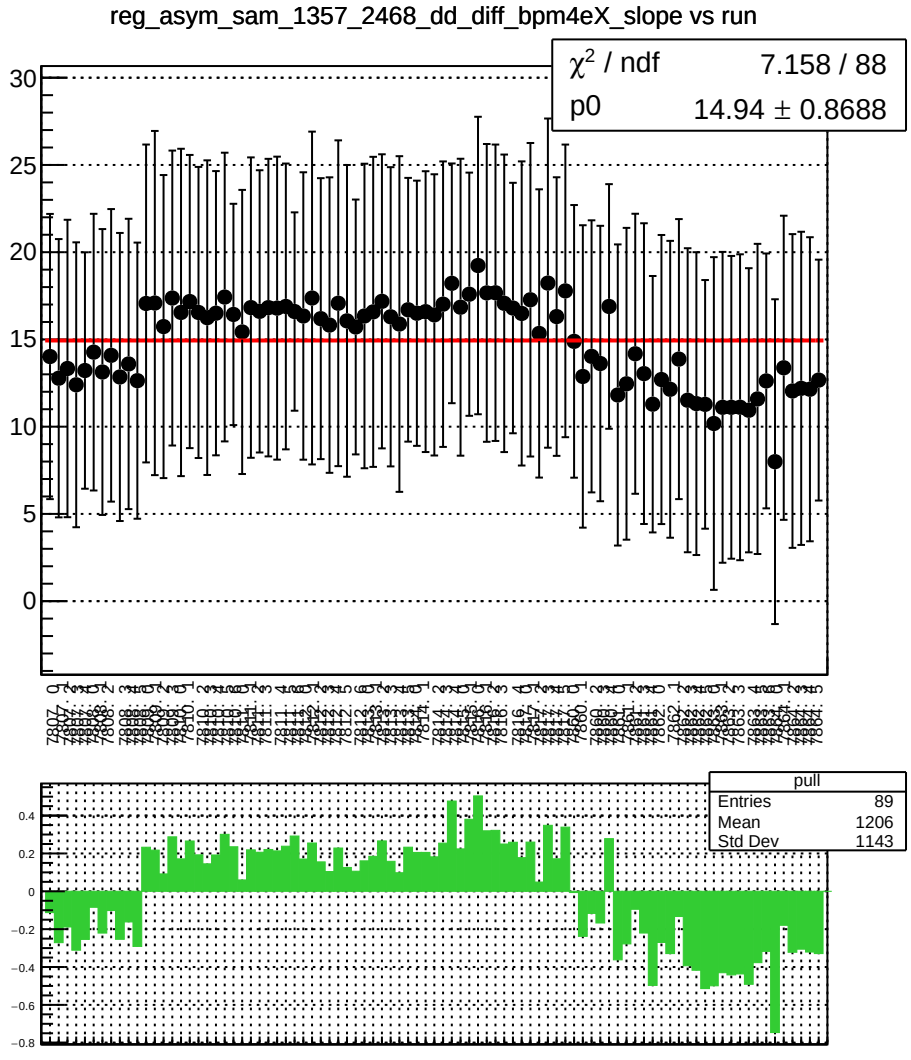

pull1D
Entries 89
Mean −0.006439
Std Dev 0.2025

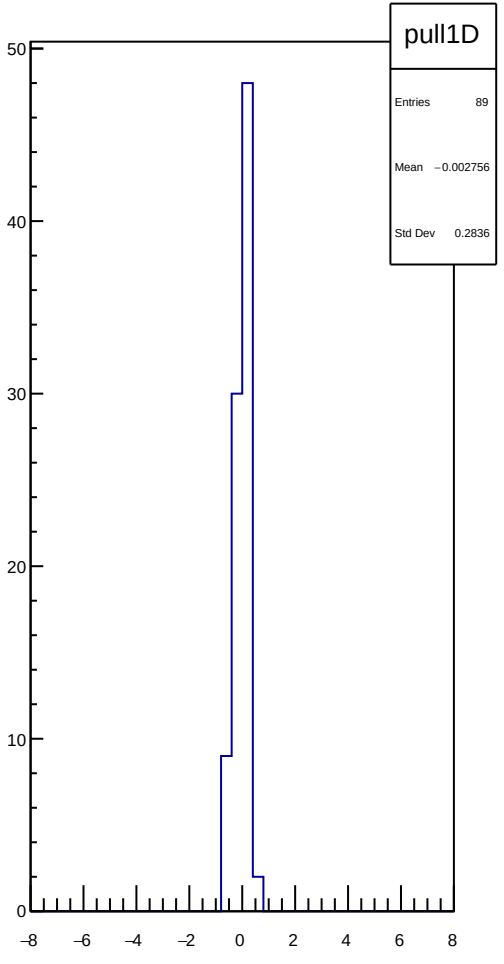

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 33.9 / 88
p0 −0.7866 ± 0.1209
pull
Entries 89
Mean 173.6
Std Dev 103.5
pull1D
Entries 89
Mean −0.0525
Std Dev 0.615

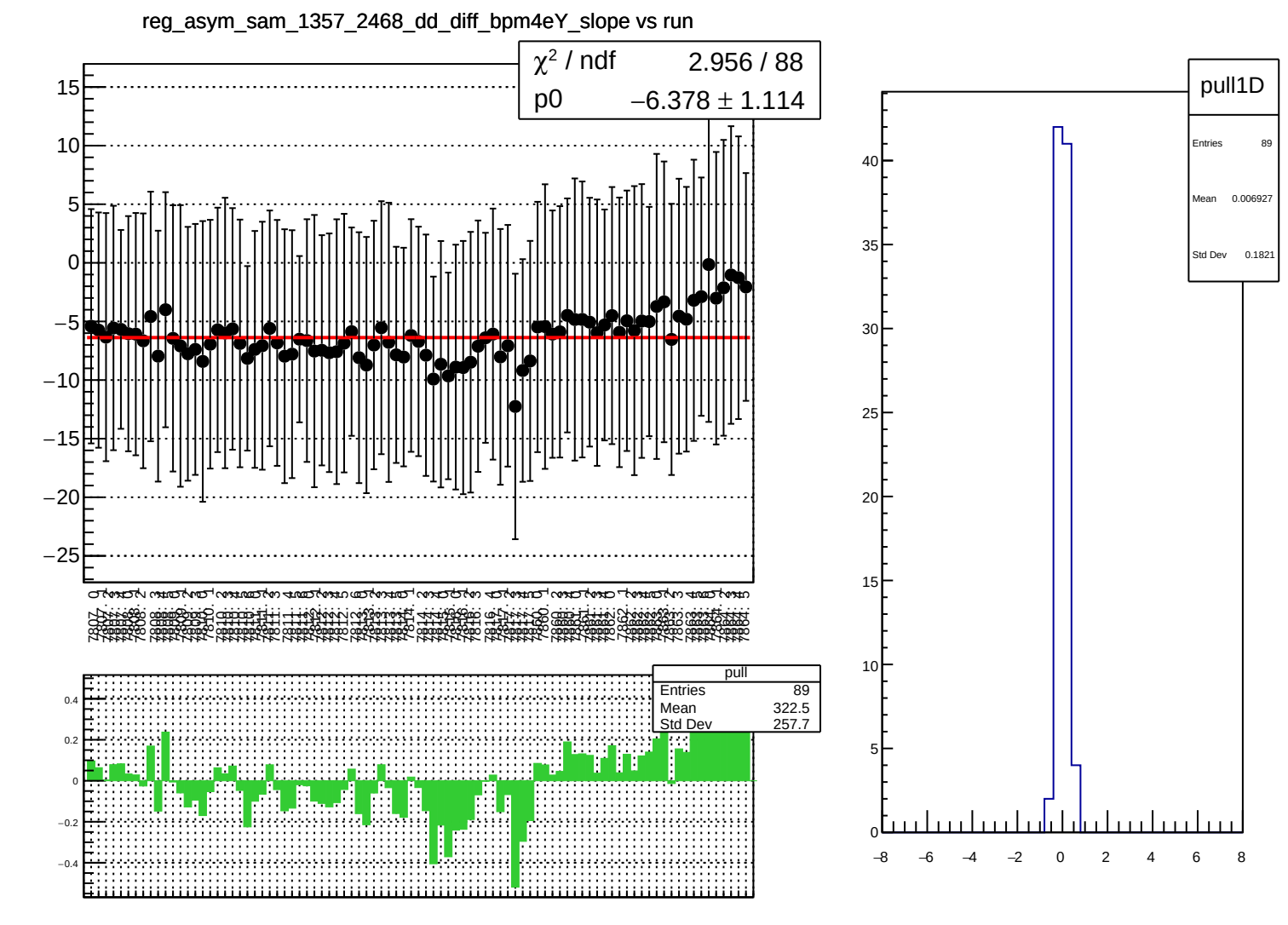

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 10.61 / 88
p0 10.64 ± 0.9618
pull
Entries 89
Mean 415.1
Std Dev 351.6
pull1D
Entries 89
Mean 0.01112
Std Dev 0.3452

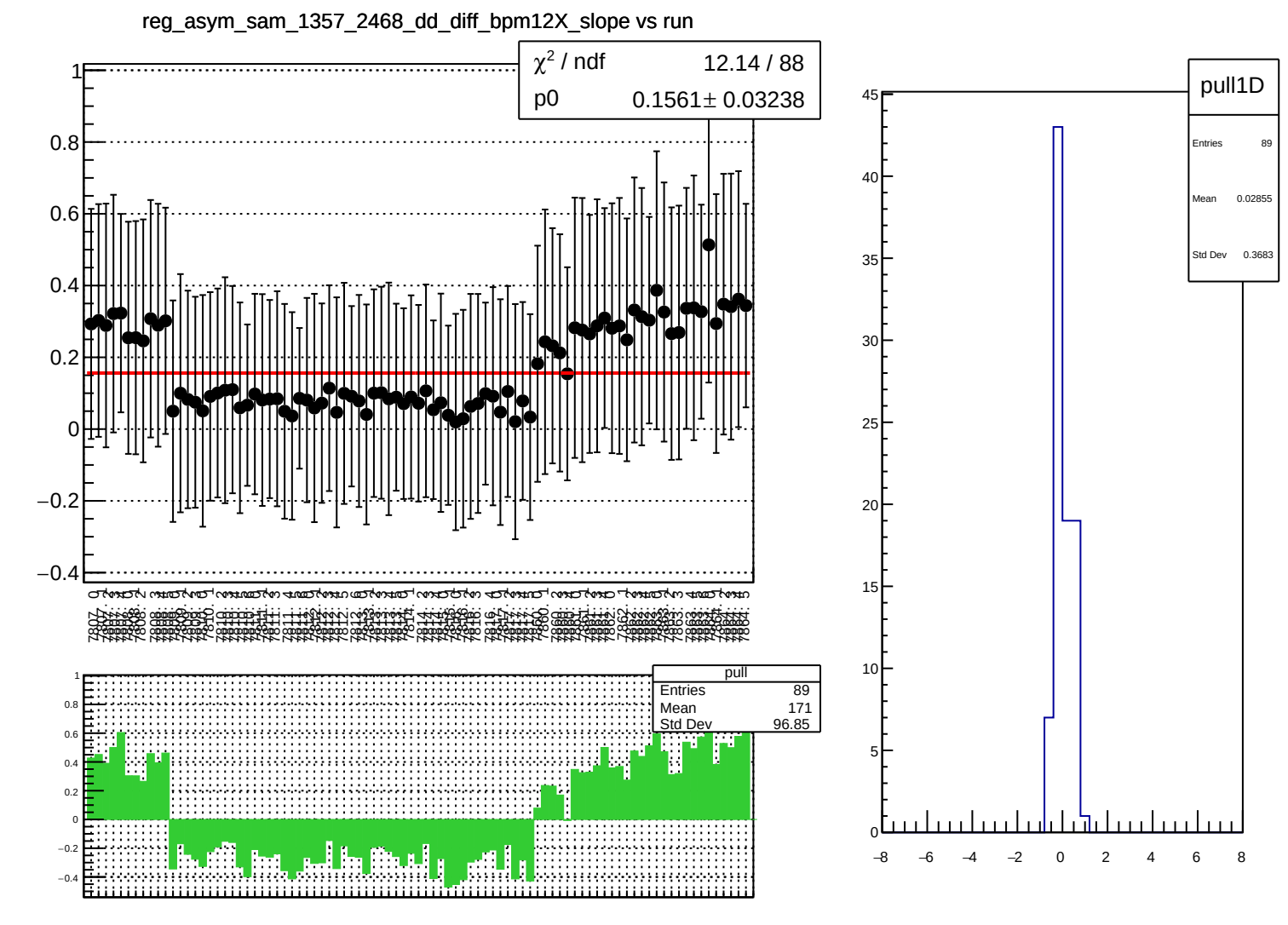

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.439 / 88
p0 1.69 ± 0.9777
pull
Entries 89
Mean 341.7
Std Dev 276.7

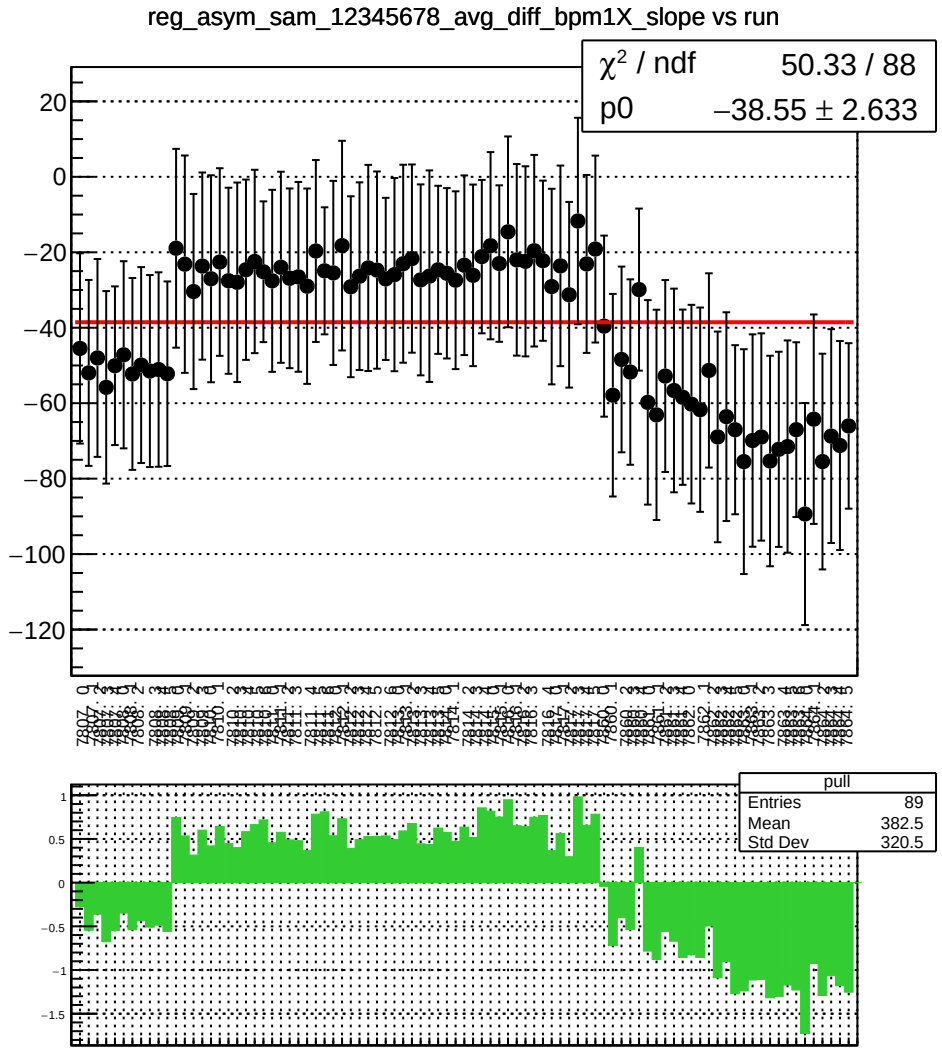

pull1D
Entries 89
Mean −0.006853
Std Dev 0.1965

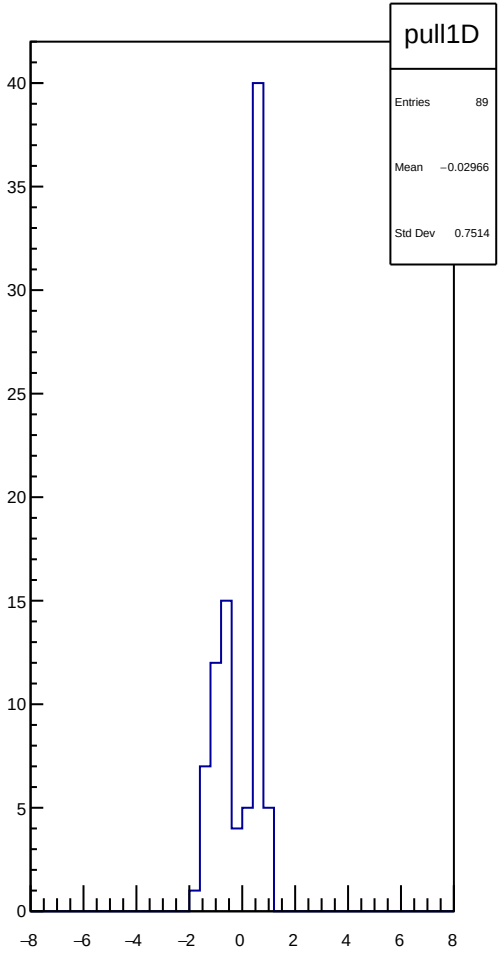

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.158 / 88
p0 14.94 ± 0.8688
pull
Entries 89
Mean 1206
Std Dev 1143

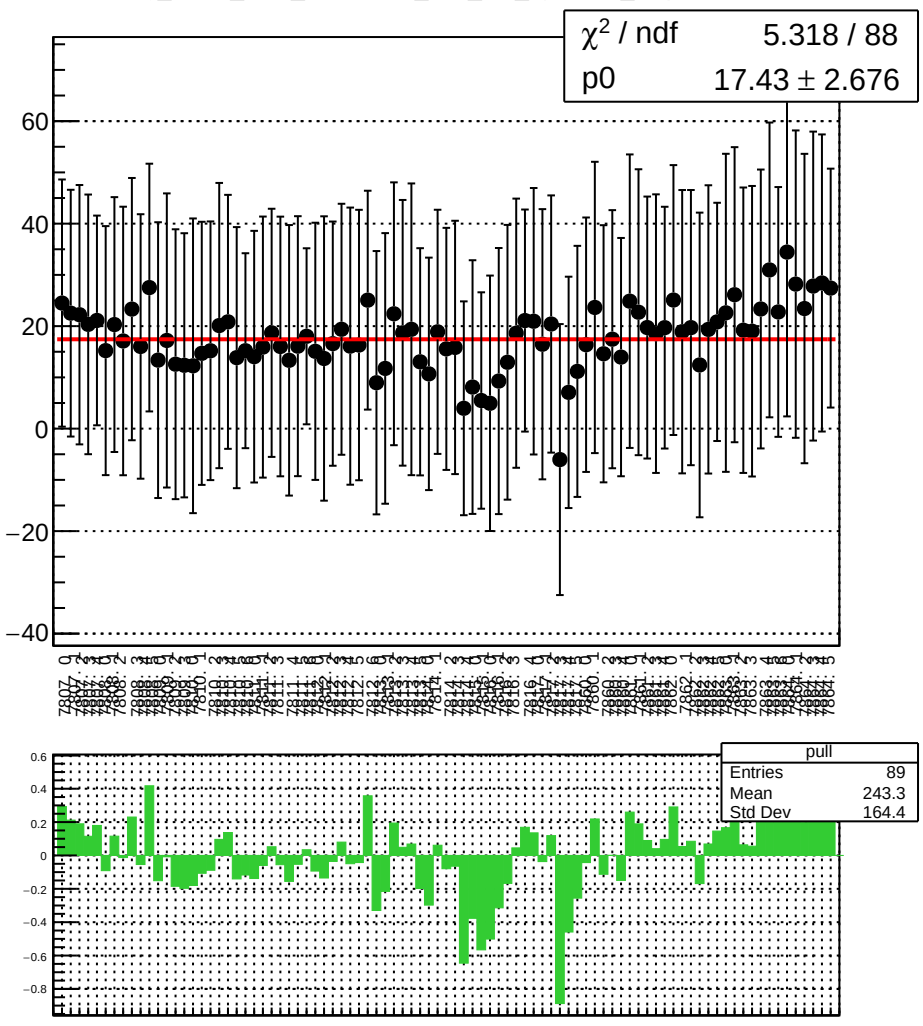

pull1D
Entries 89
Mean −0.002756
Std Dev 0.2836

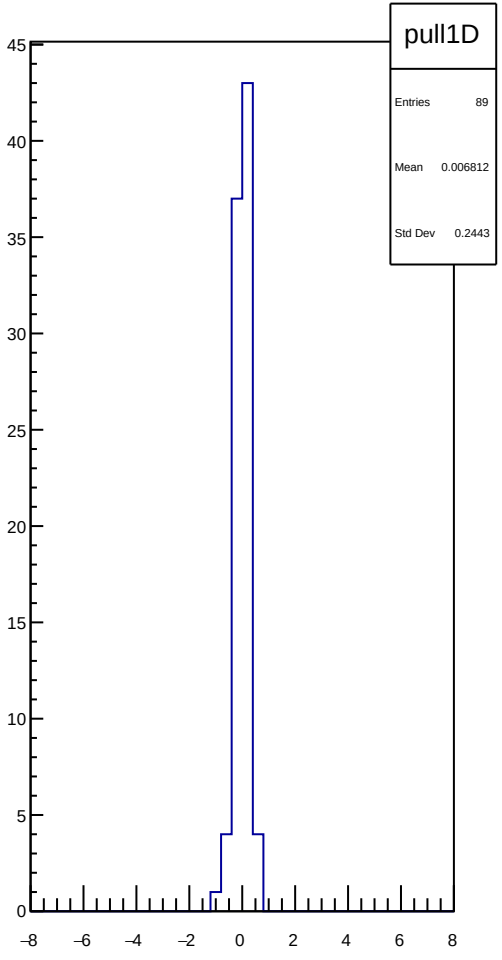

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.956 / 88
p0 −6.378 ± 1.114
pull
Entries 89
Mean 322.5
Std Dev 257.7
pull1D
Entries 89
Mean 0.006927
Std Dev 0.1821

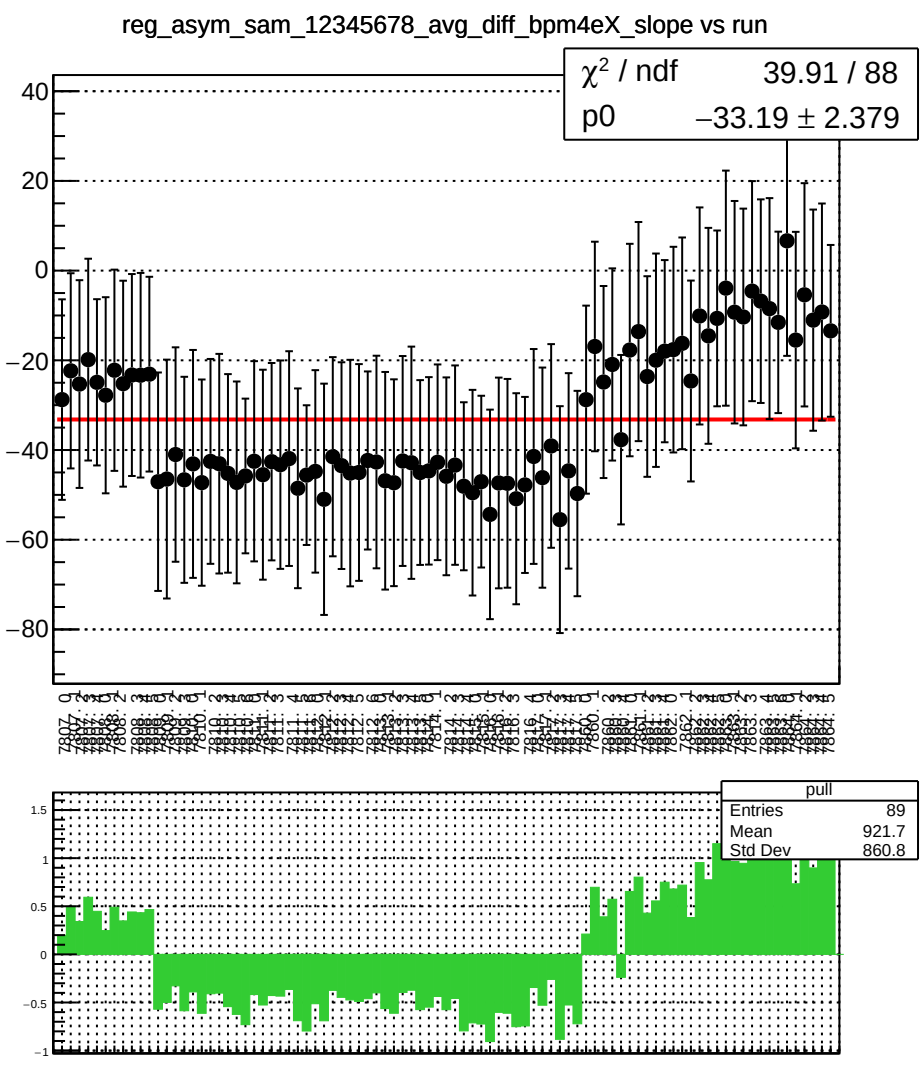

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 12.14 / 88
p0 0.1561± 0.03238
pull
Entries 89
Mean 171
Std Dev 96.85
pull1D
Entries 89
Mean 0.02855
Std Dev 0.3683

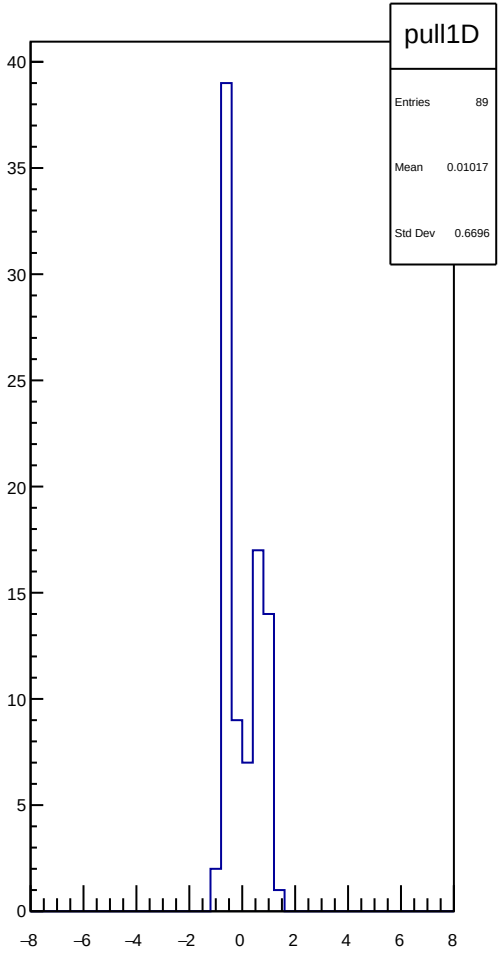

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 50.33 / 88
p0 −38.55 ± 2.633
pull
Entries 89
Mean 382.5
Std Dev 320.5

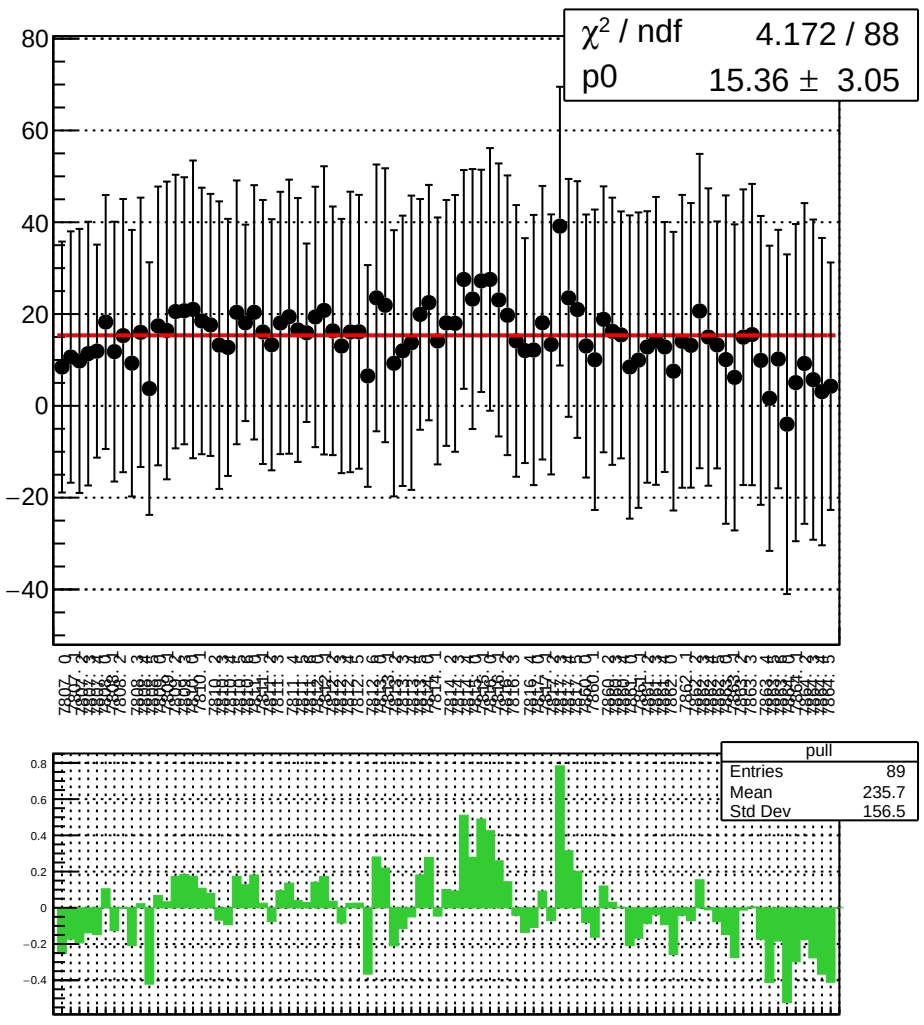

pull1D
Entries 89
Mean −0.02966
Std Dev 0.7514

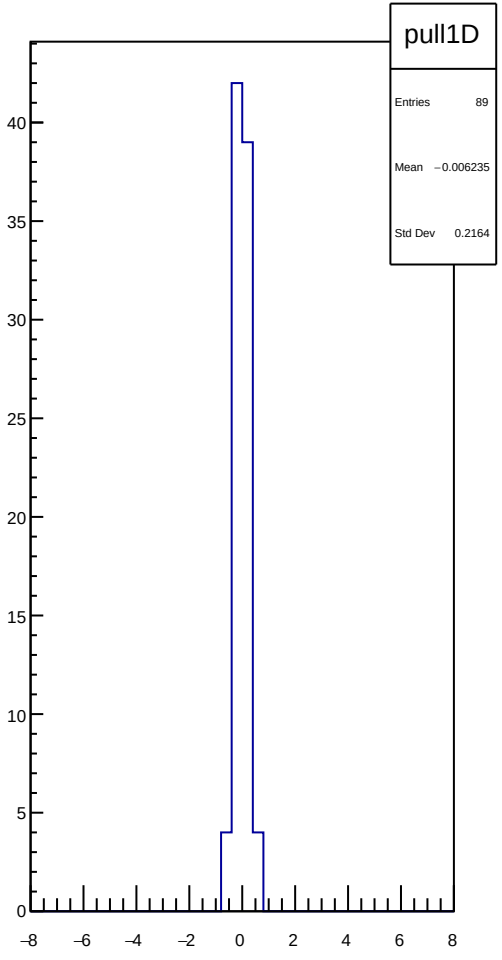

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.318 / 88
p0 17.43 ± 2.676
pull
Entries 89
Mean 243.3
Std Dev 164.4

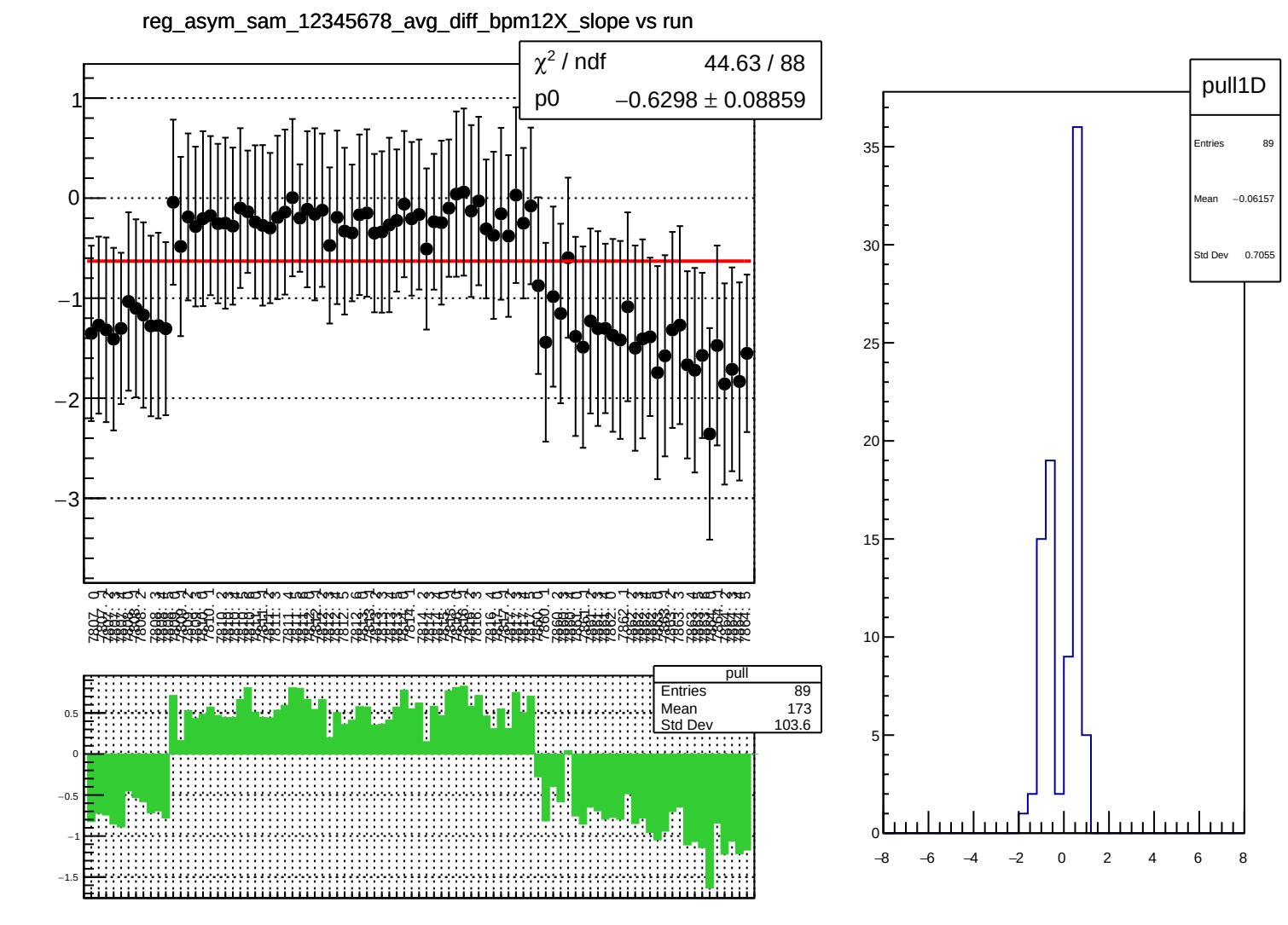

pull1D
Entries 89
Mean 0.006812
Std Dev 0.2443

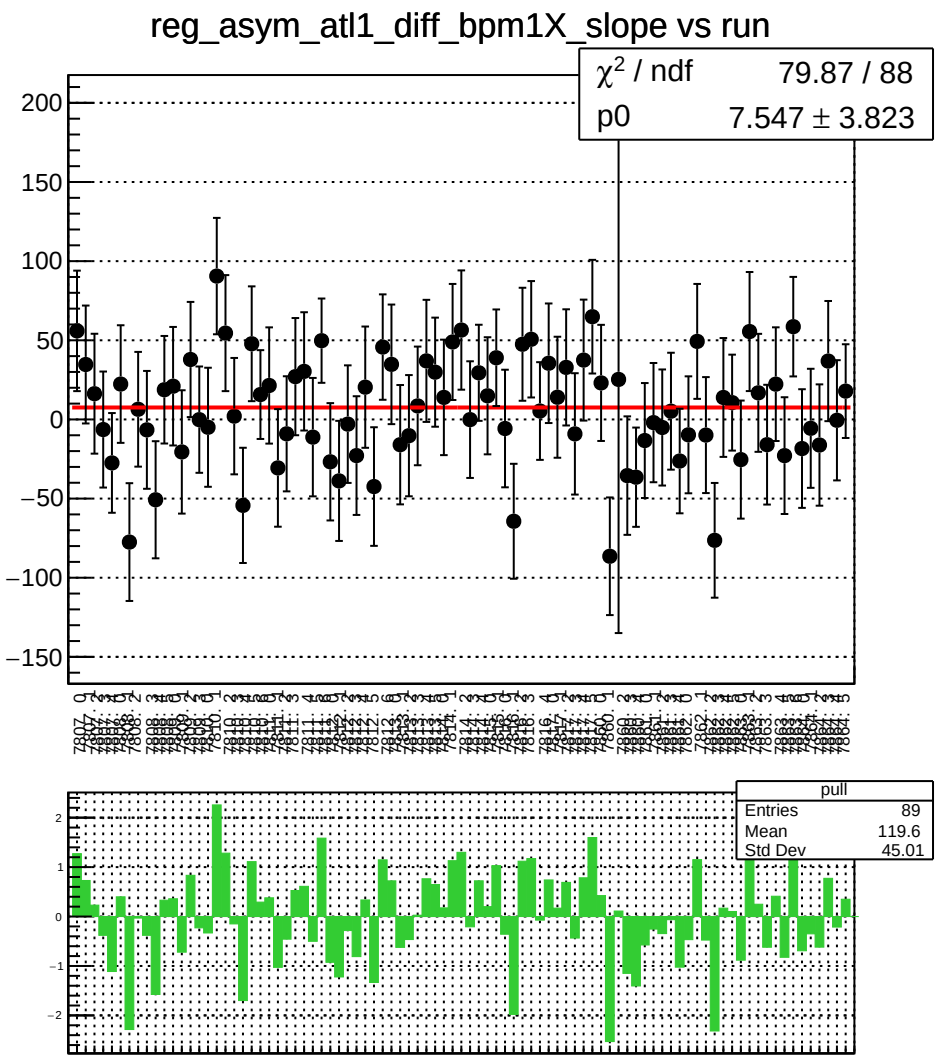

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.91 / 88
p0 −33.19 ± 2.379
pull
Entries 89
Mean 921.7
Std Dev 860.8

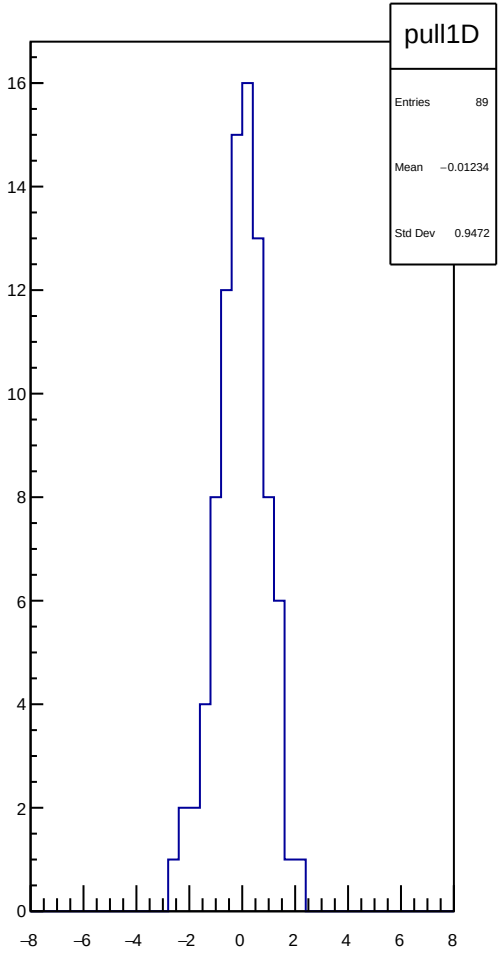

pull1D
Entries 89
Mean 0.01017
Std Dev 0.6696

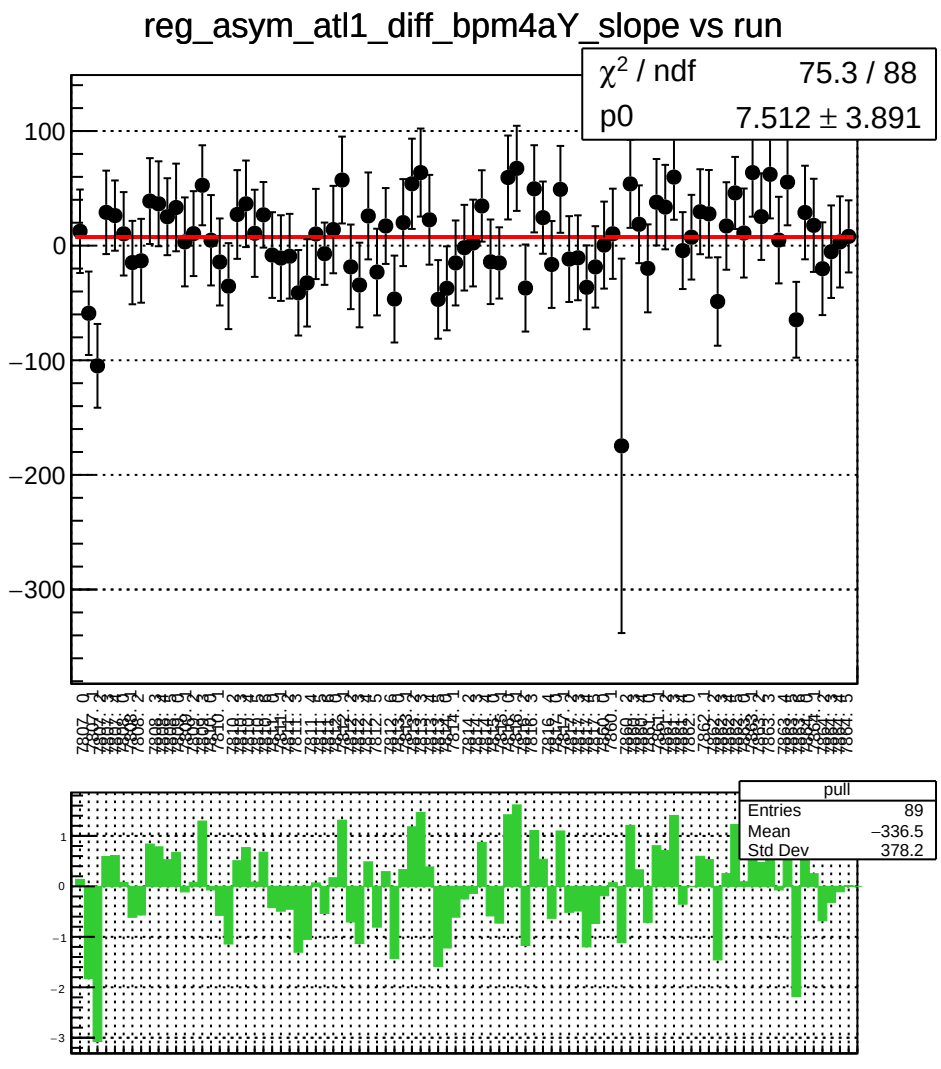

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.172 / 88
p0 15.36 ± 3.05
pull
Entries 89
Mean 235.7
Std Dev 156.5

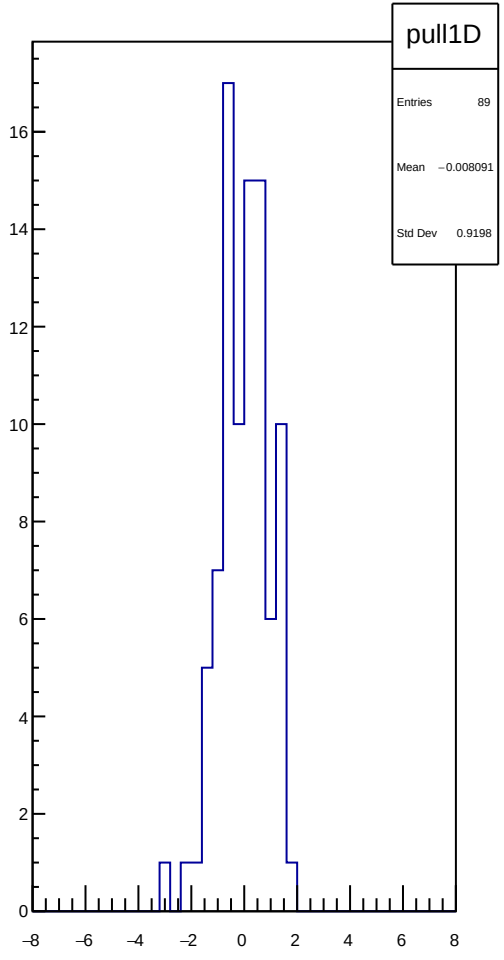

pull1D
Entries 89
Mean −0.006235
Std Dev 0.2164

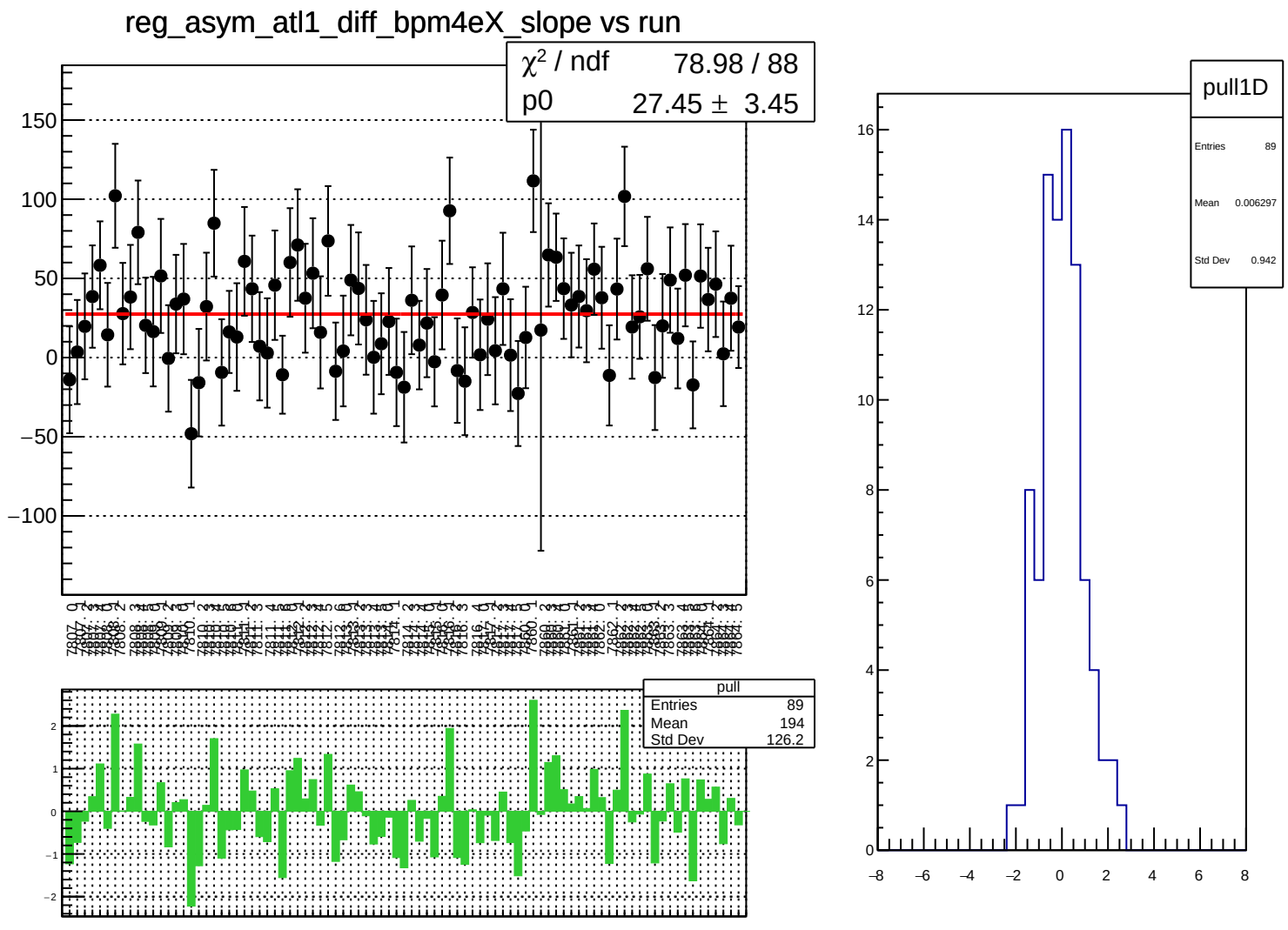

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 44.63 / 88
p0 −0.6298 ± 0.08859
pull
Entries 89
Mean 173
Std Dev 103.6
pull1D
Entries 89
Mean −0.06157
Std Dev 0.7055

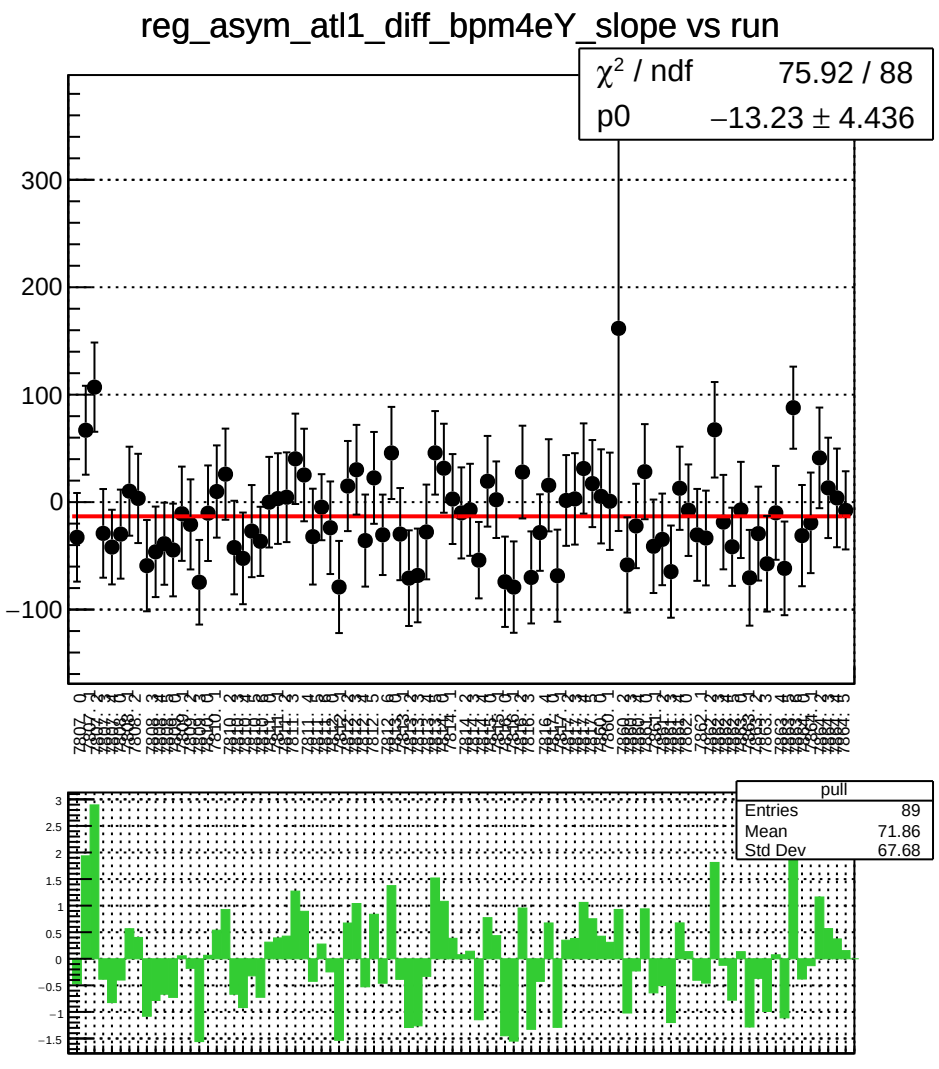

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 79.87 / 88
p0 7.547 ± 3.823
pull
Entries 89
Mean 119.6
Std Dev 45.01

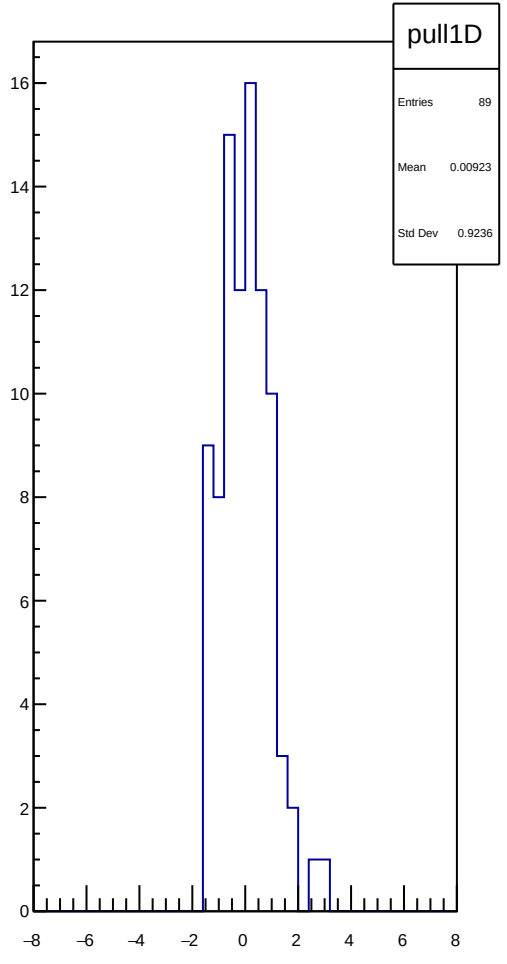

pull1D
Entries 89
Mean −0.01234
Std Dev 0.9472

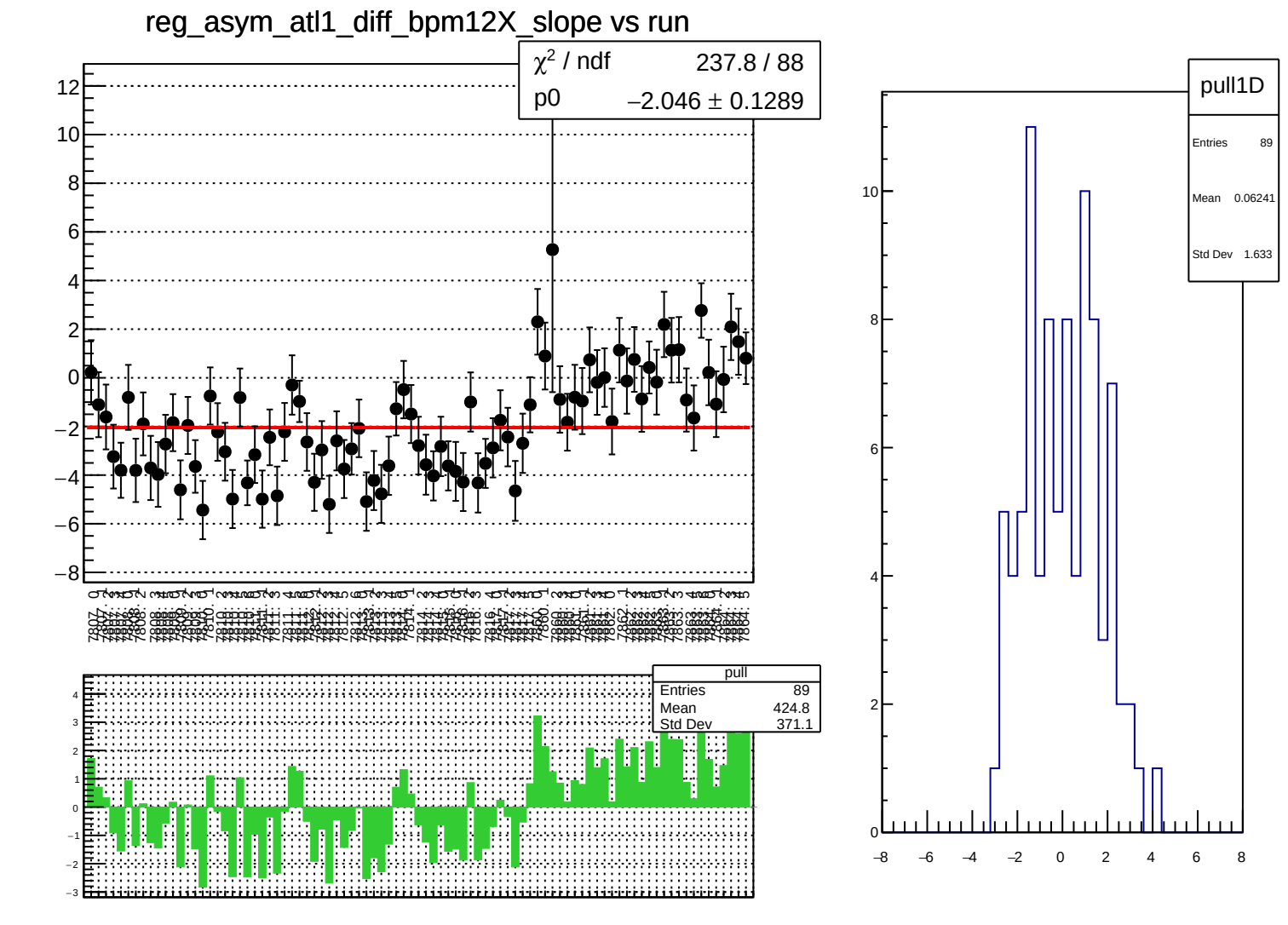

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 75.3 / 88
p0 7.512 ± 3.891
100
0
−100
−200
−300
pull
Entries 89
Mean −336.5
Std Dev 378.2
1
0
−1
−2
−3

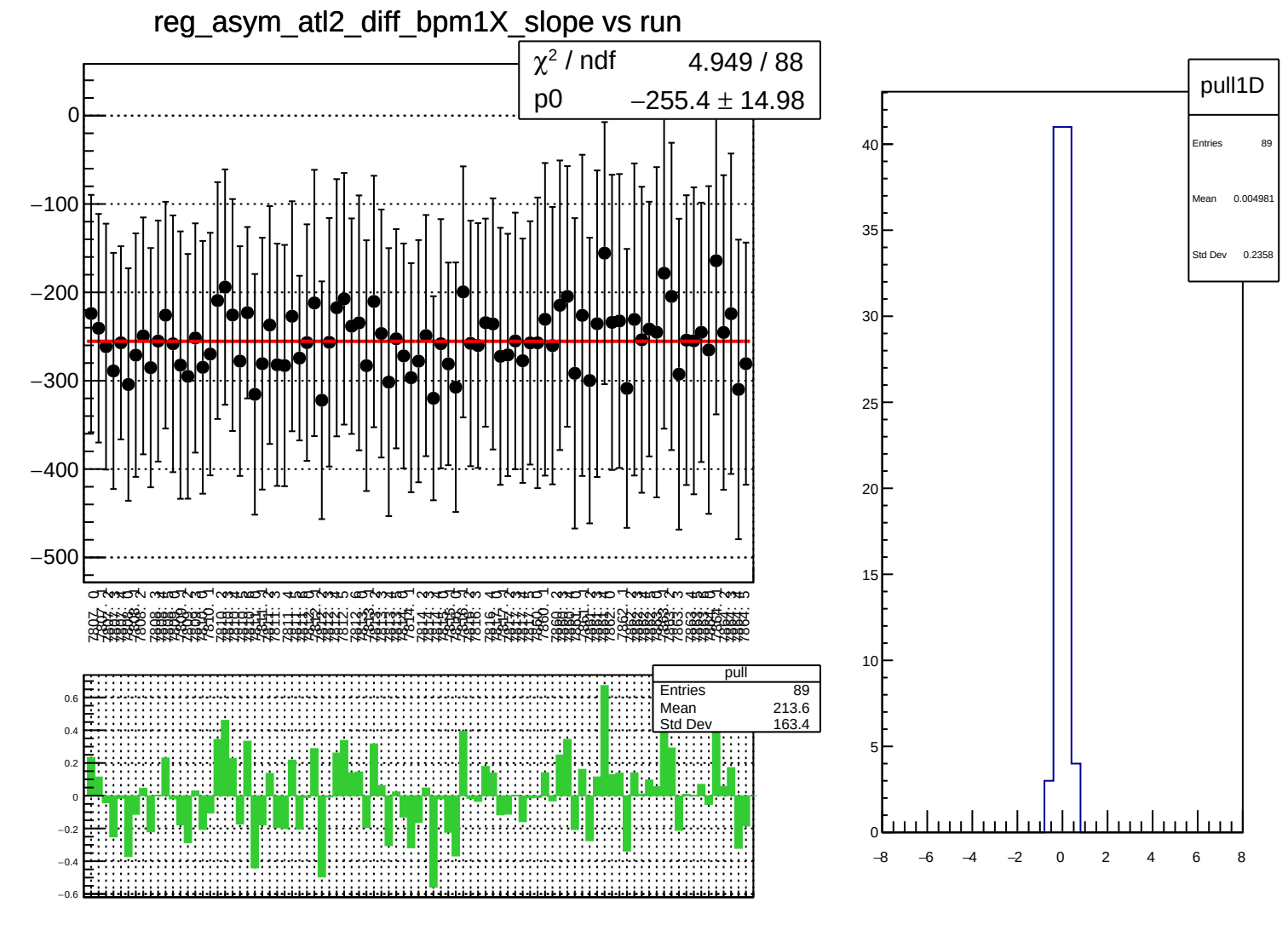

pull1D
Entries 89
Mean −0.008091
Std Dev 0.9198
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

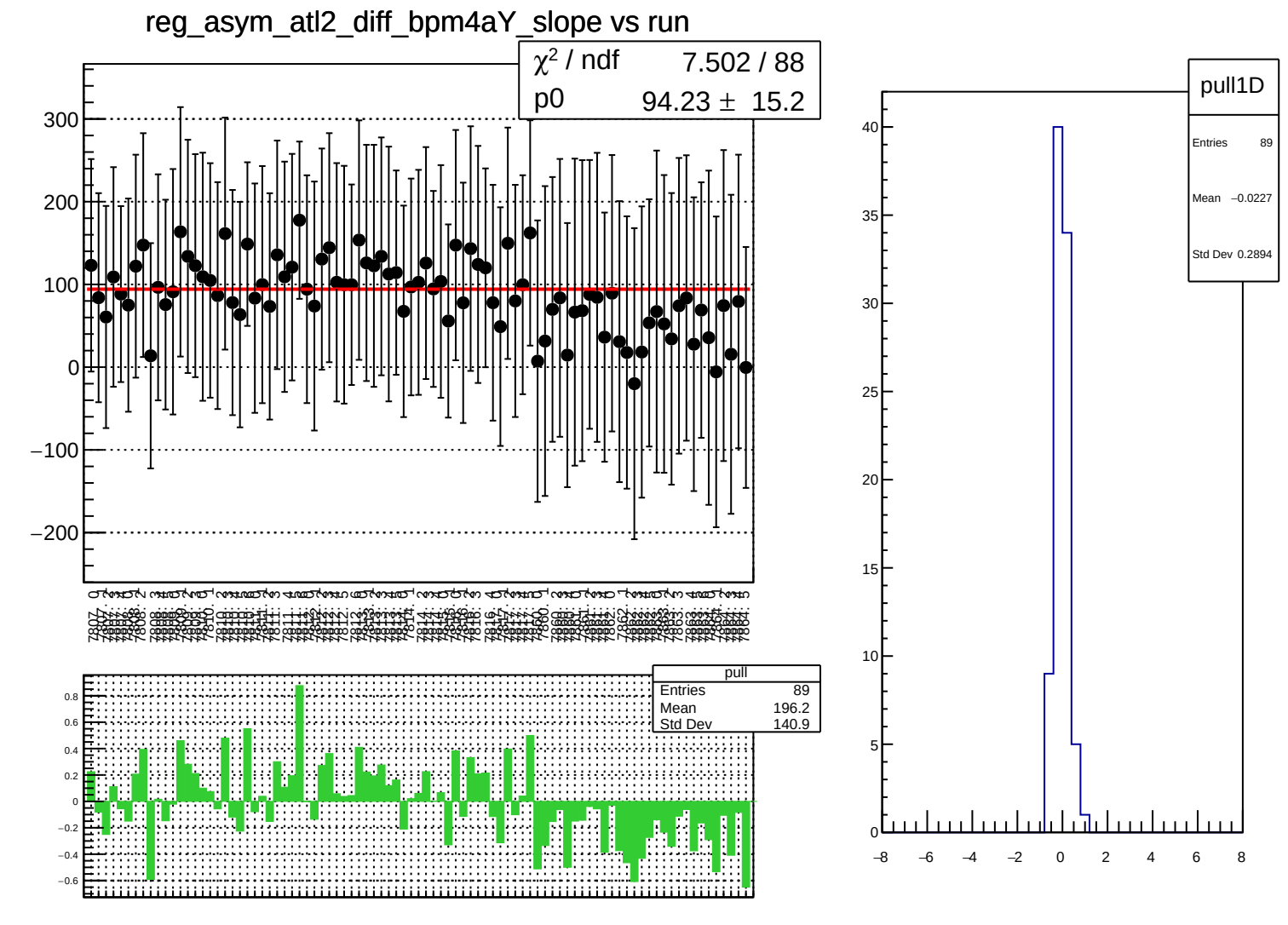

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 78.98 / 88
p0 27.45 ± 3.45
150
100
50
0
−50
−100
pull
Entries 89
Mean 194
Std Dev 126.2
2
1
0
−1
−2
pull1D
Entries 89
Mean 0.006297
Std Dev 0.942
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

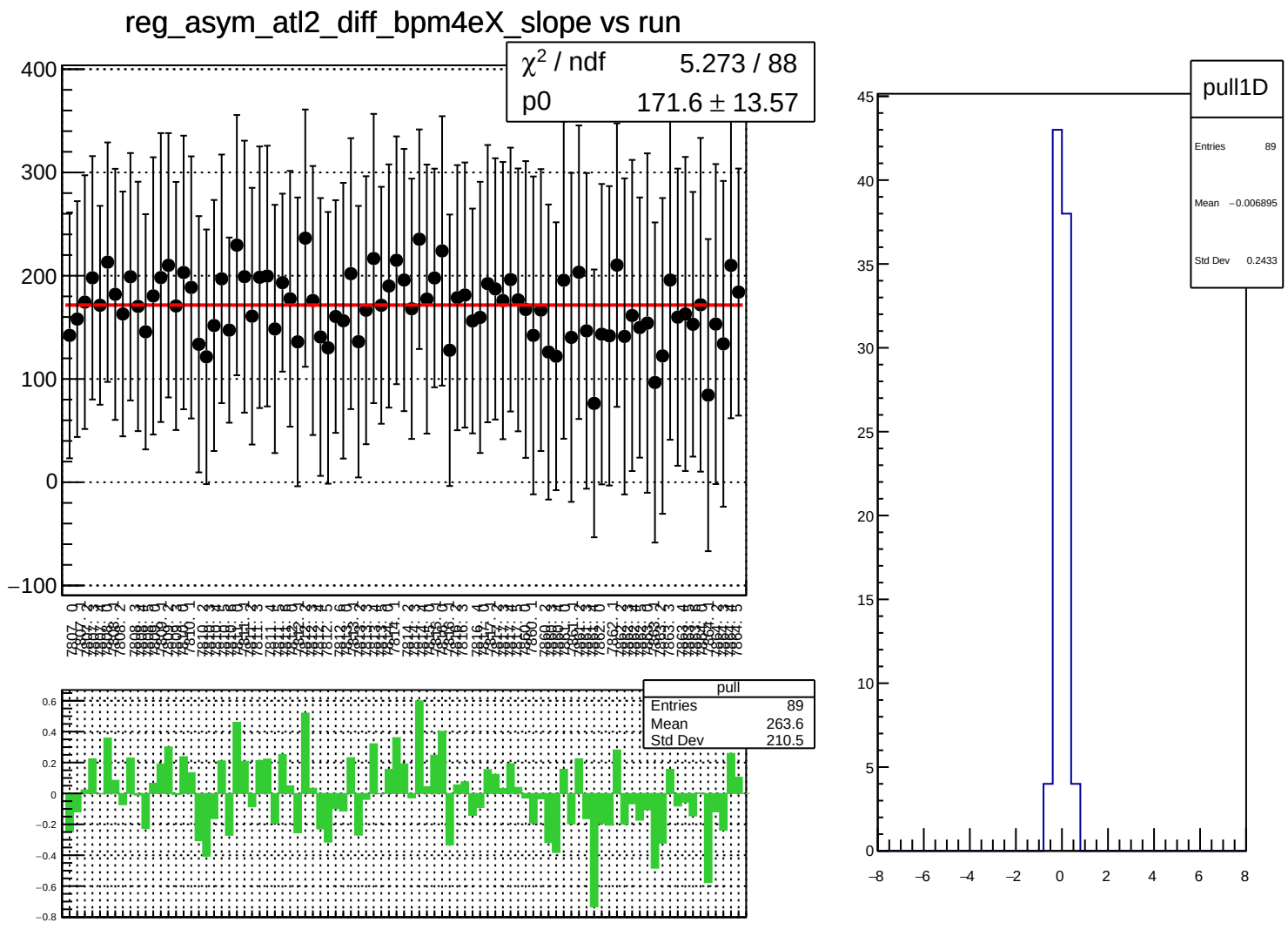

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 75.92 / 88
p0 −13.23 ± 4.436
300
200
100
0
−100
pull
Entries 89
Mean 71.86
Std Dev 67.68
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

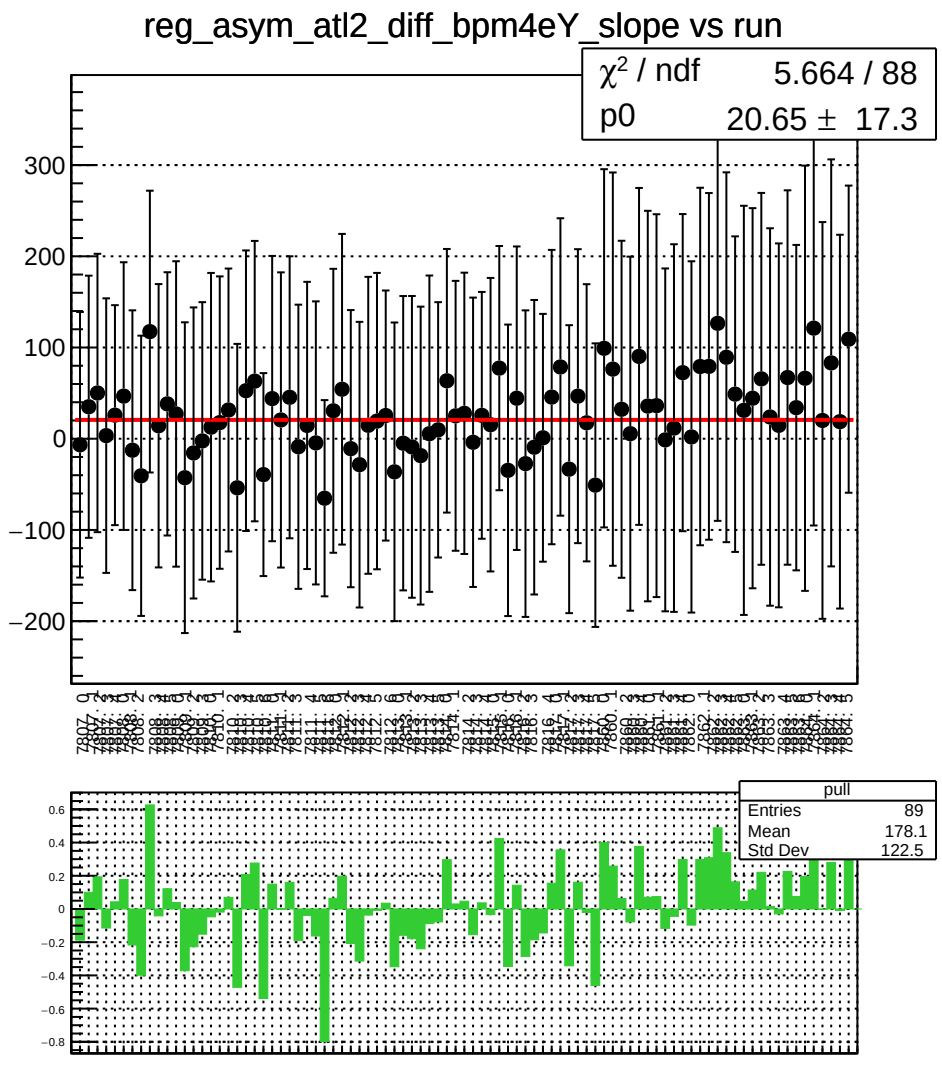

pull1D
Entries 89
Mean 0.00923
Std Dev 0.9236
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

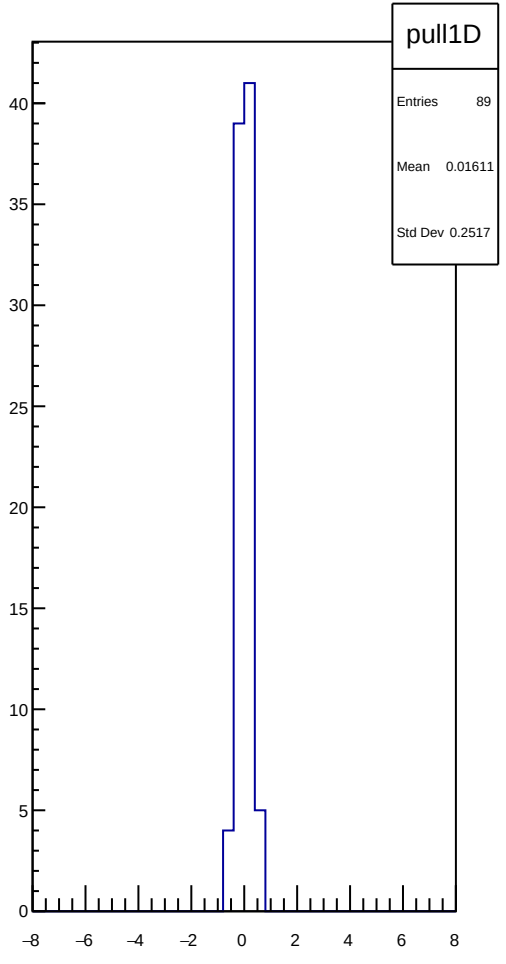

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 237.8 / 88
p0 −2.046 ± 0.1289
pull
Entries 89
Mean 424.8
Std Dev 371.1
pull1D
Entries 89
Mean 0.06241
Std Dev 1.633

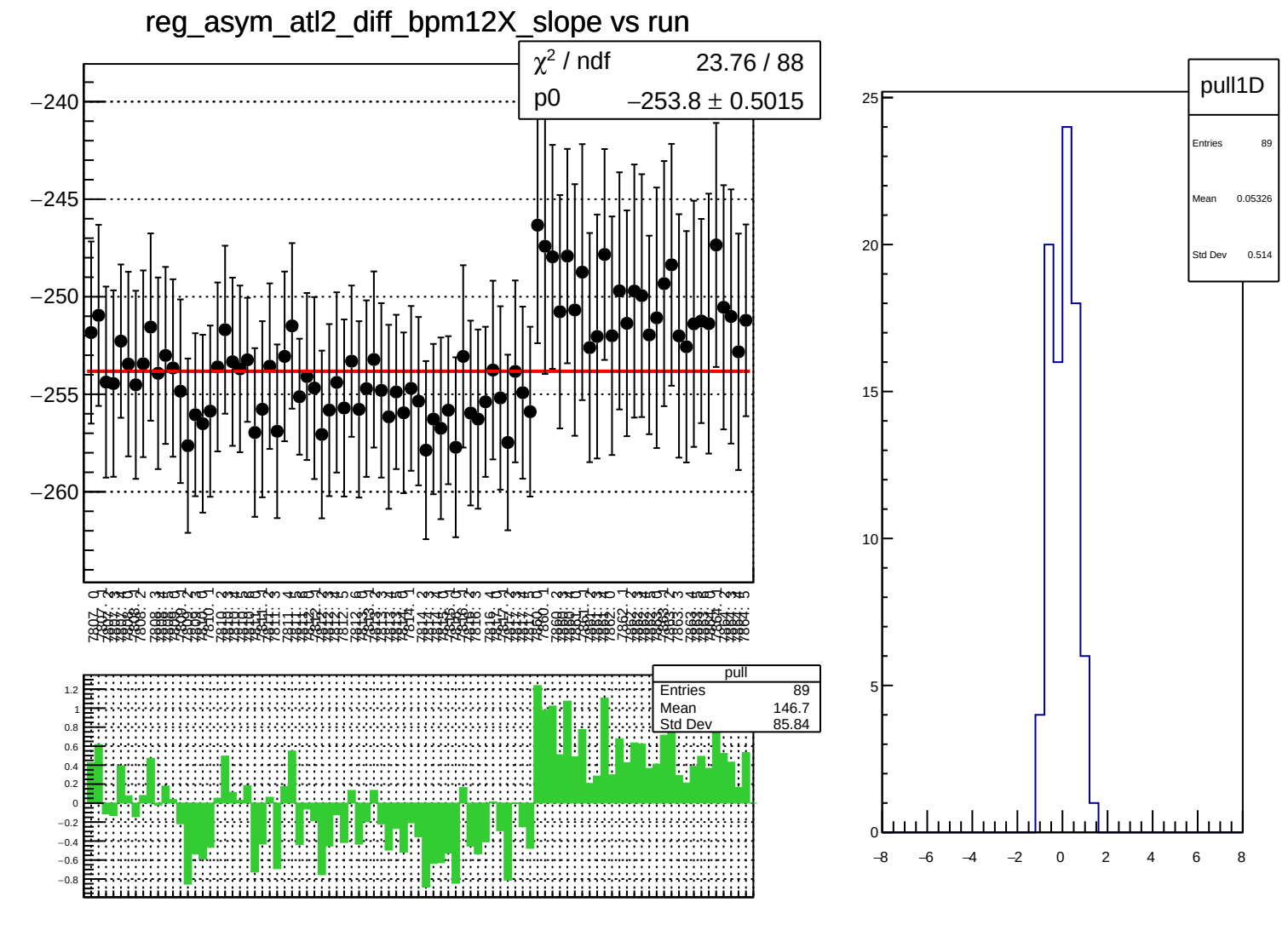

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 4.949 / 88
p0 −255.4 ± 14.98
pull
Entries 89
Mean 213.6
Std Dev 163.4
pull1D
Entries 89
Mean 0.004981
Std Dev 0.2358

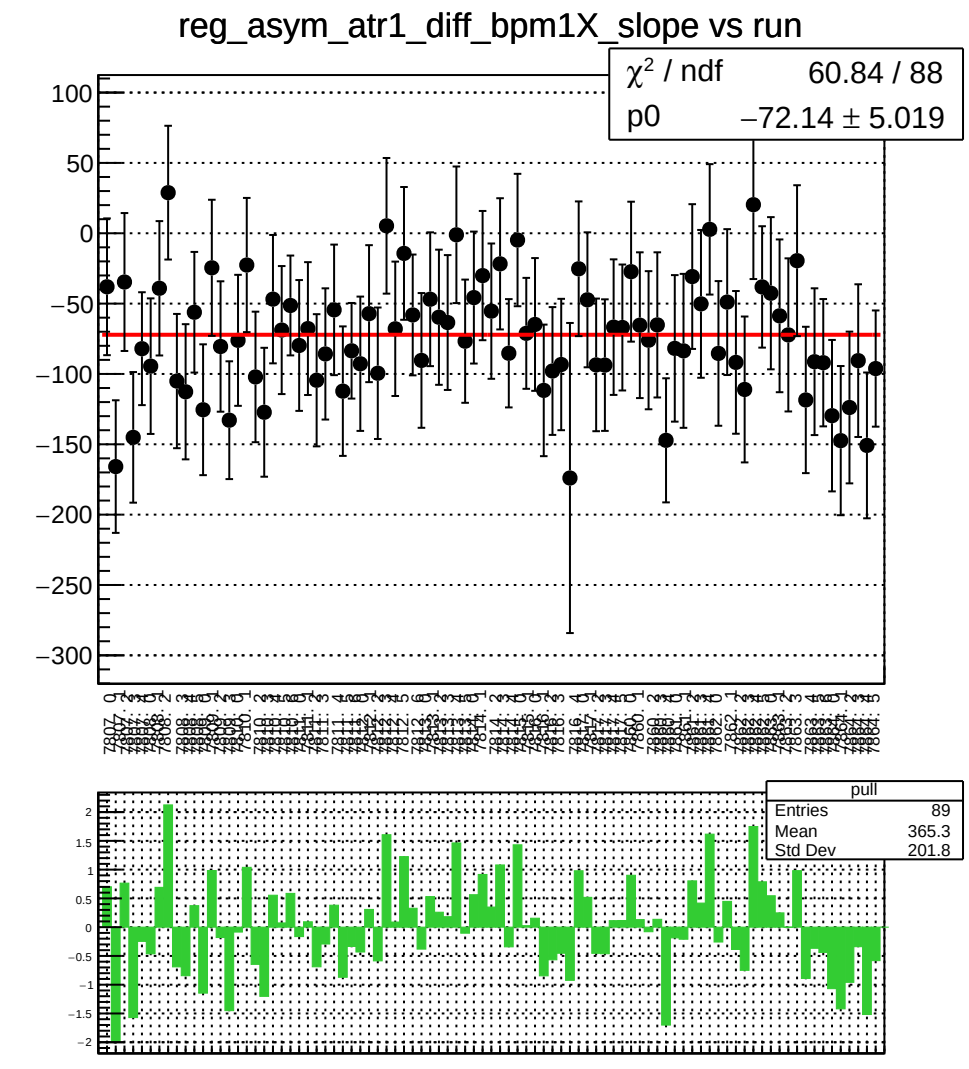

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 7.502 / 88
p0 94.23 ± 15.2
300
200
100
0
−100
−200
pull
Entries 89
Mean 196.2
Std Dev 140.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 89
Mean −0.0227
Std Dev 0.2894
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

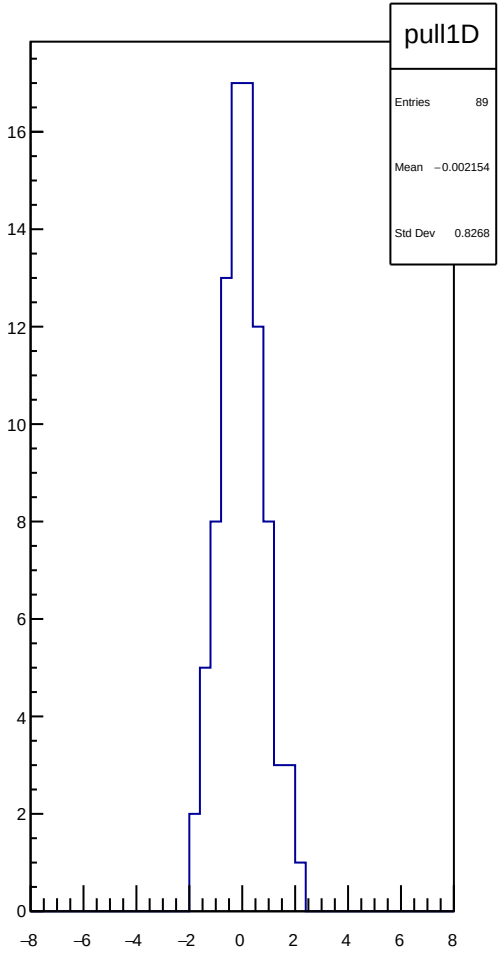

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 5.273 / 88
p0 171.6 ± 13.57
pull
Entries 89
Mean 263.6
Std Dev 210.5
pull1D
Entries 89
Mean −0.006895
Std Dev 0.2433

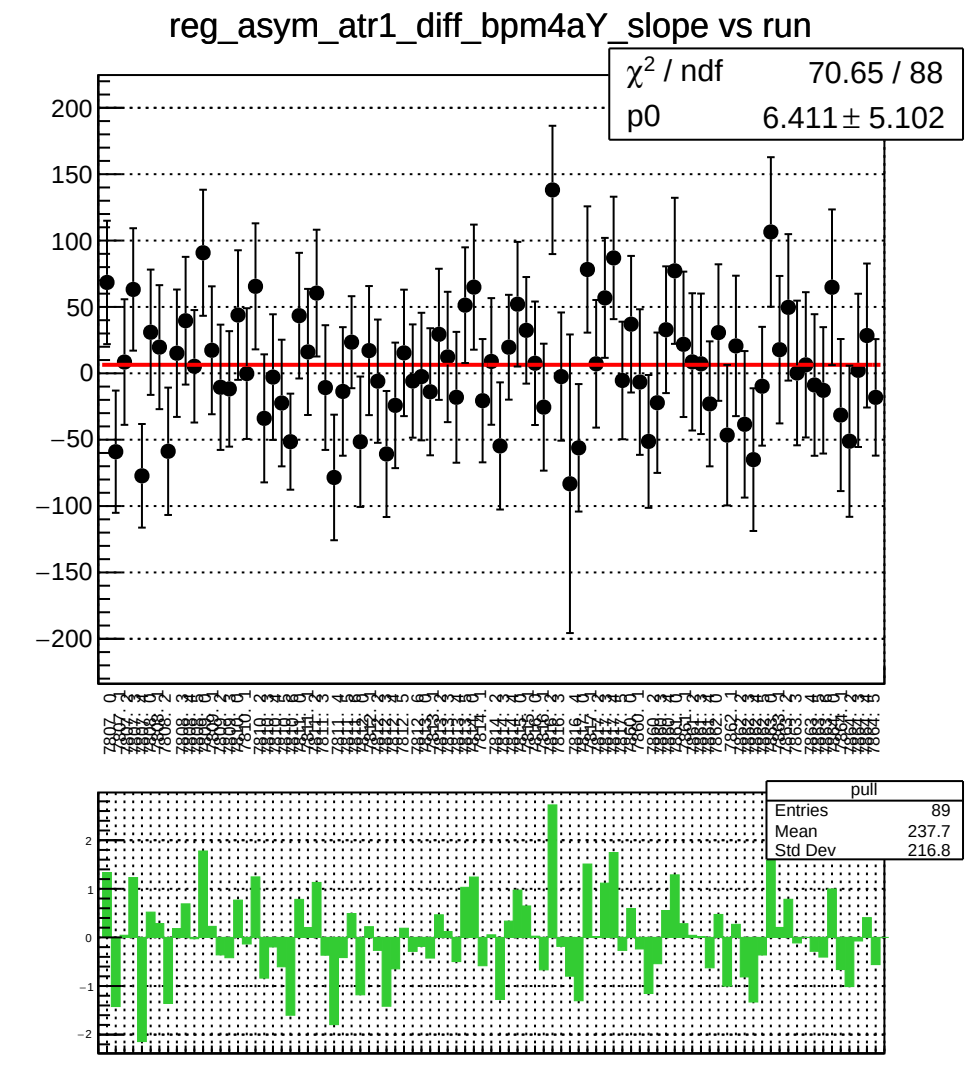

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.664 / 88
p0 20.65 ± 17.3
300
200
100
0
−100
−200
pull
Entries 89
Mean 178.1
Std Dev 122.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

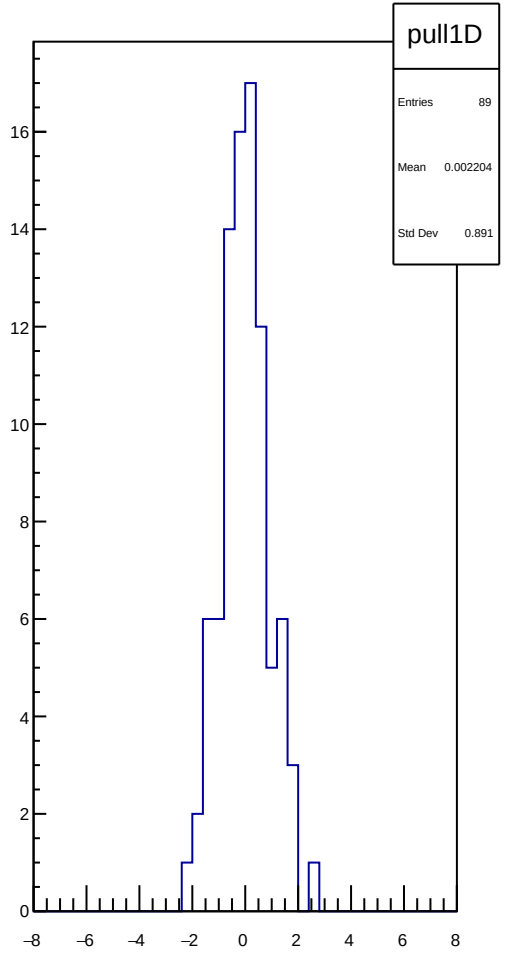

pull1D
Entries 89
Mean 0.01611
Std Dev 0.2517
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

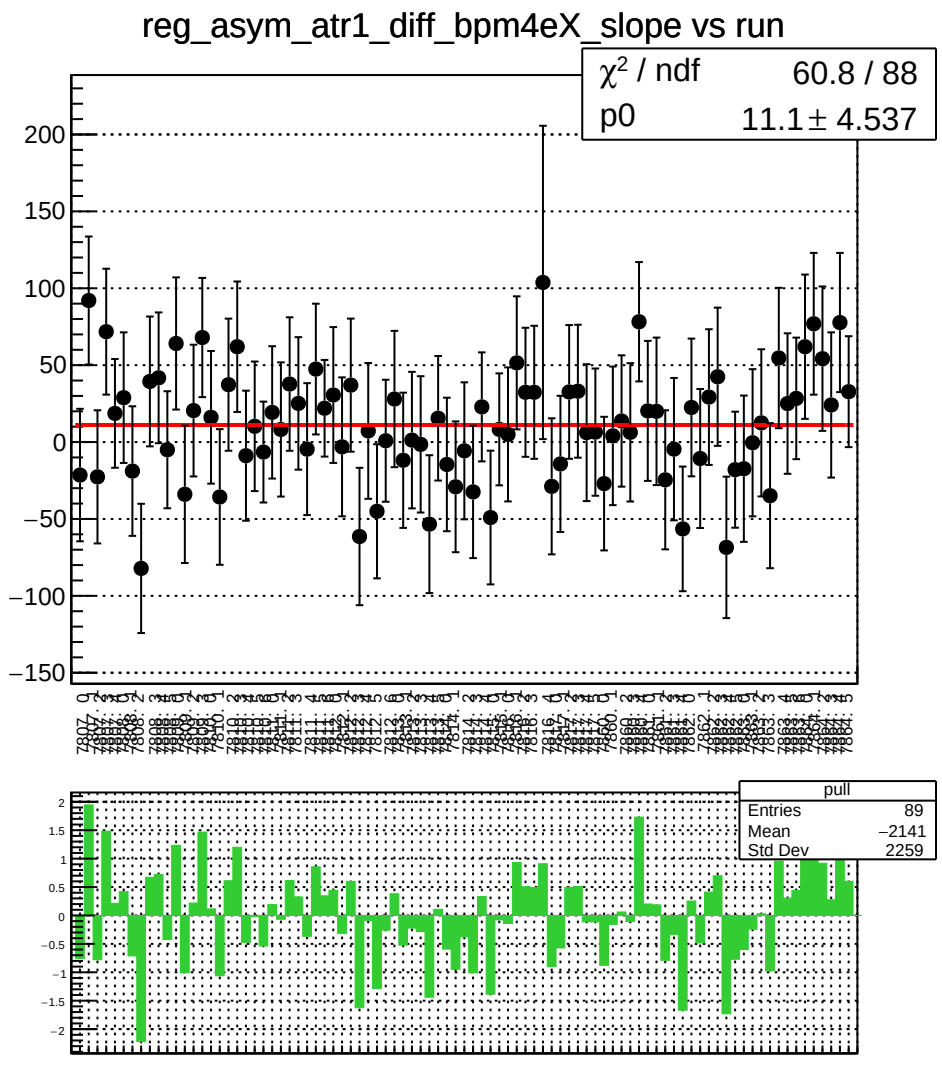

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 23.76 / 88
p0 −253.8 ± 0.5015
−240
−245
−250
−255
−260
pull
Entries 89
Mean 146.7
Std Dev 85.84
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 89
Mean 0.05326
Std Dev 0.514
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

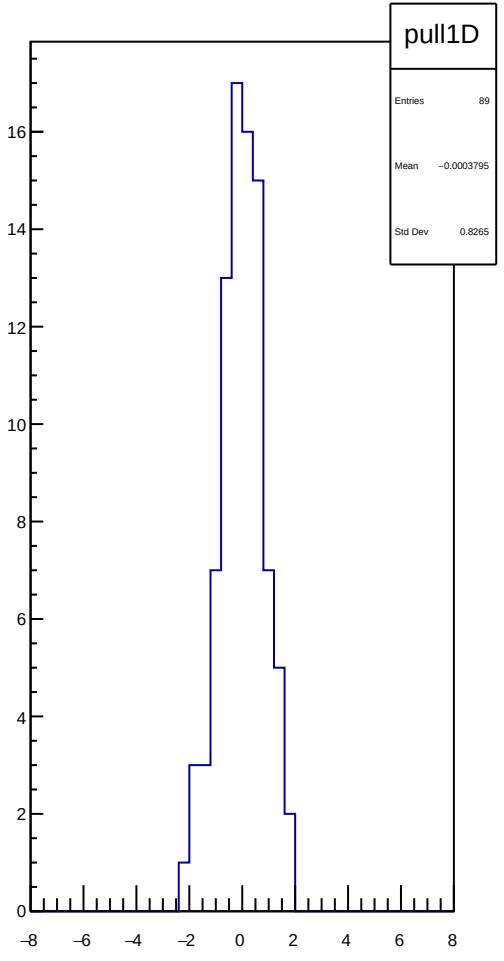

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 60.84 / 88
p0 −72.14 ± 5.019
pull
Entries 89
Mean 365.3
Std Dev 201.8

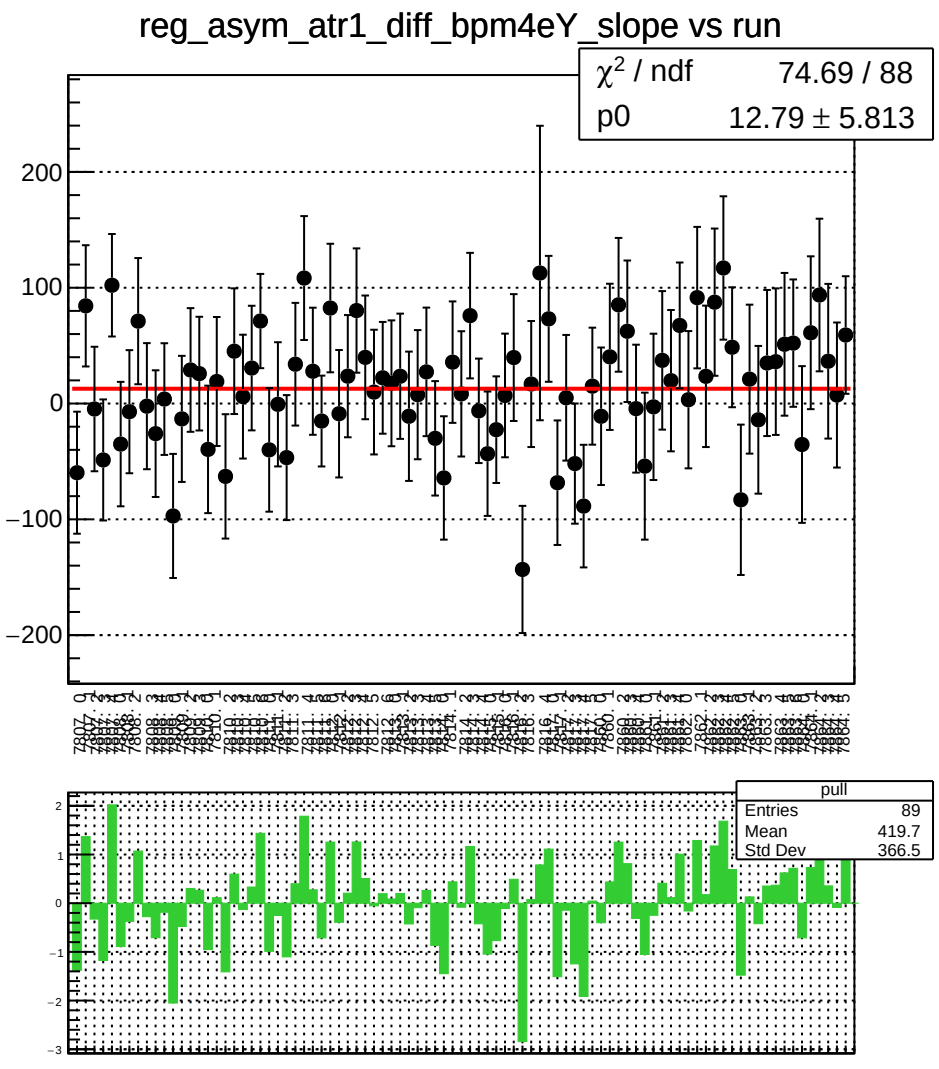

pull1D
Entries 89
Mean −0.002154
Std Dev 0.8268

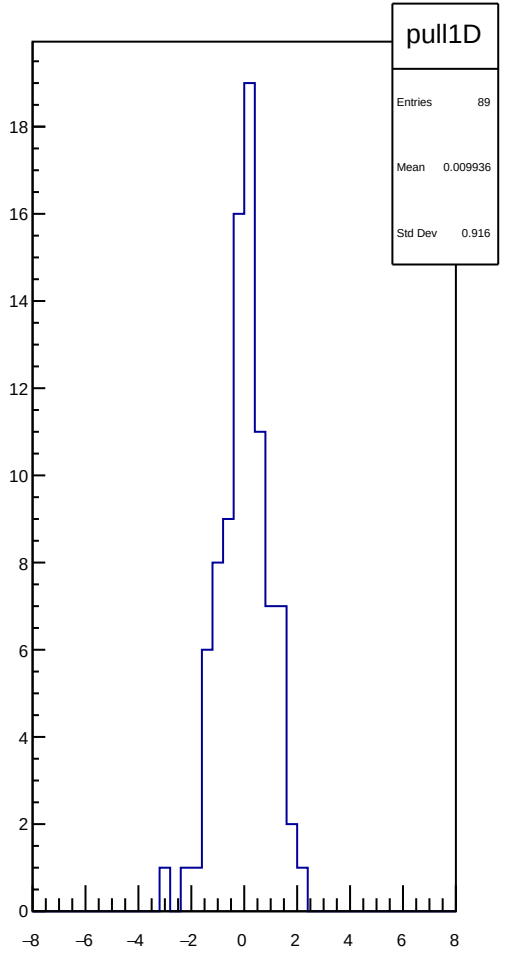

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 70.65 / 88
p0 6.411 ± 5.102
pull
Entries 89
Mean 237.7
Std Dev 216.8

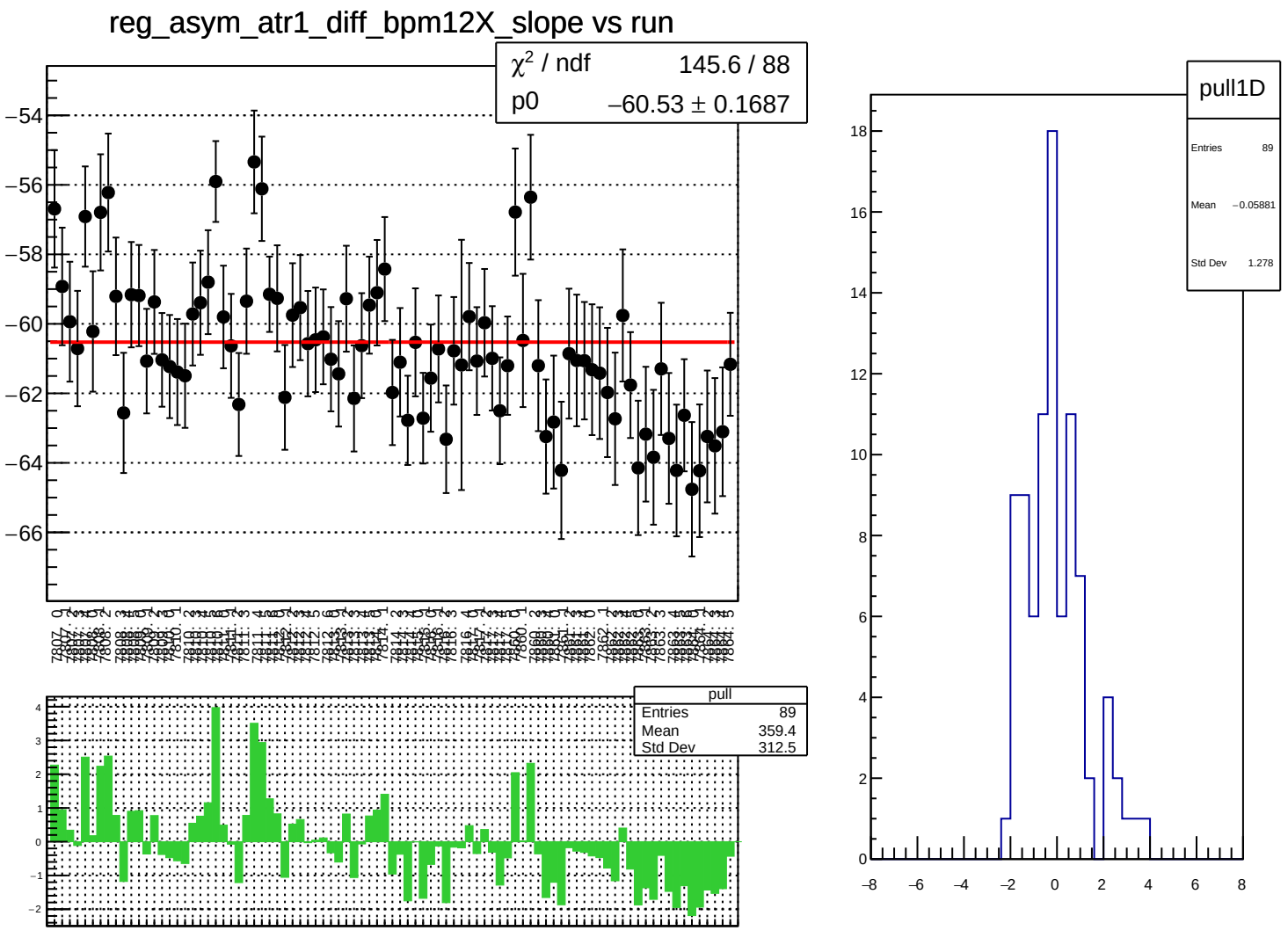

pull1D
Entries 89
Mean 0.002204
Std Dev 0.891

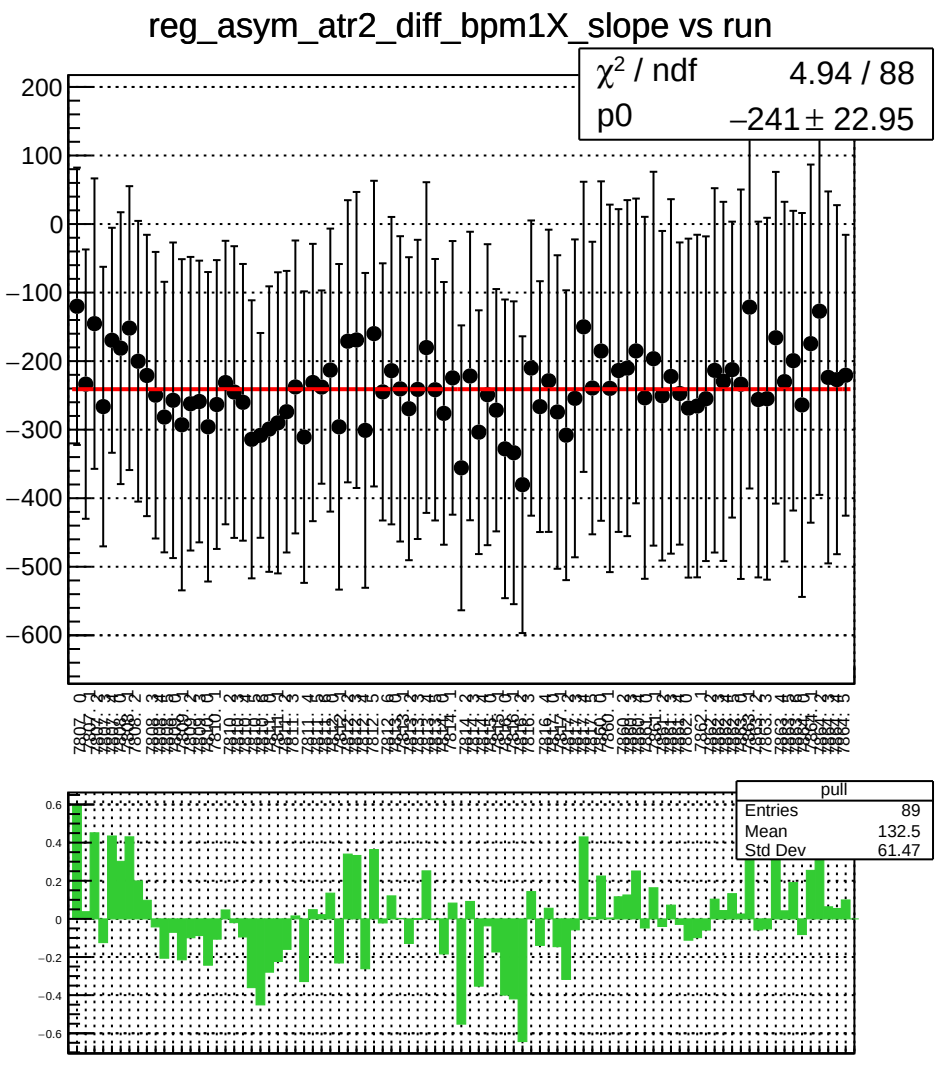

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 60.8 / 88
p0 11.1 ± 4.537
pull
Entries 89
Mean −2141
Std Dev 2259

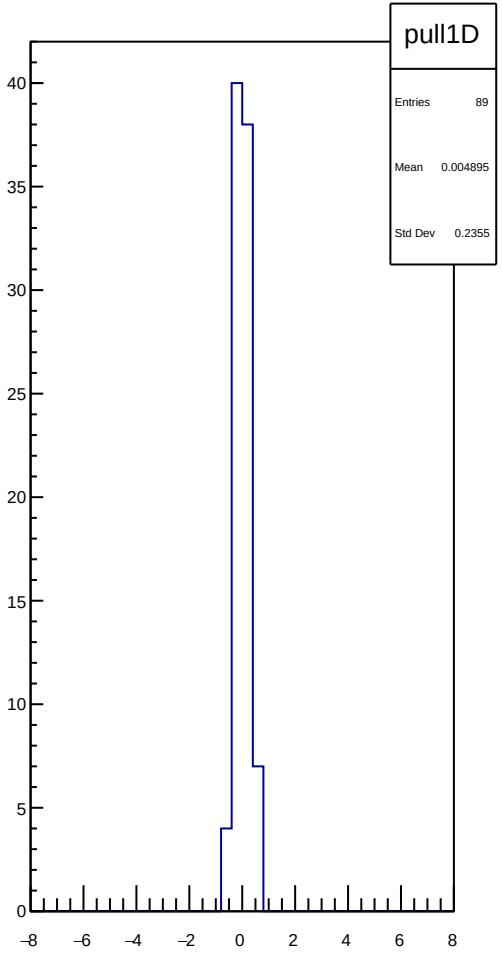

pull1D
Entries 89
Mean −0.0003795
Std Dev 0.8265

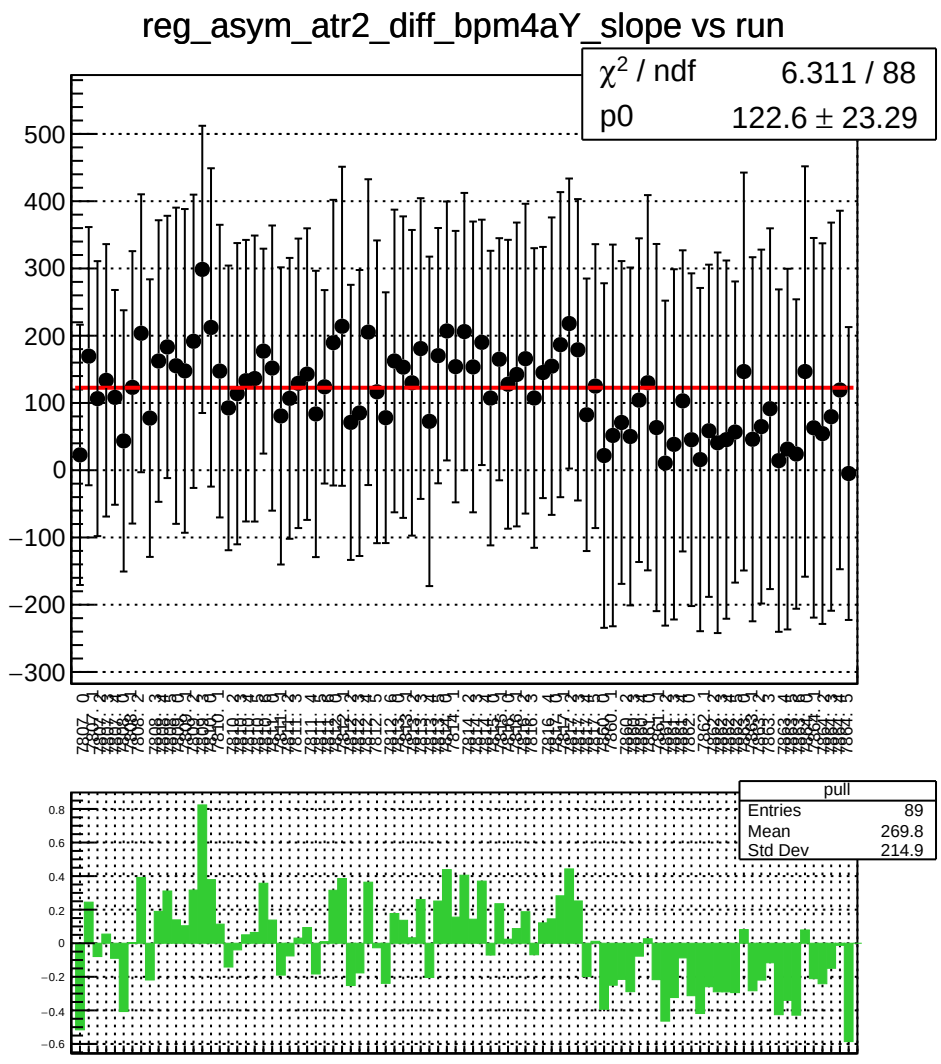

reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 74.69 / 88
p0 12.79 ± 5.813
200
100
0
−100
−200
pull
Entries 89
Mean 419.7
Std Dev 366.5
2
1
0
−1
−2
−3

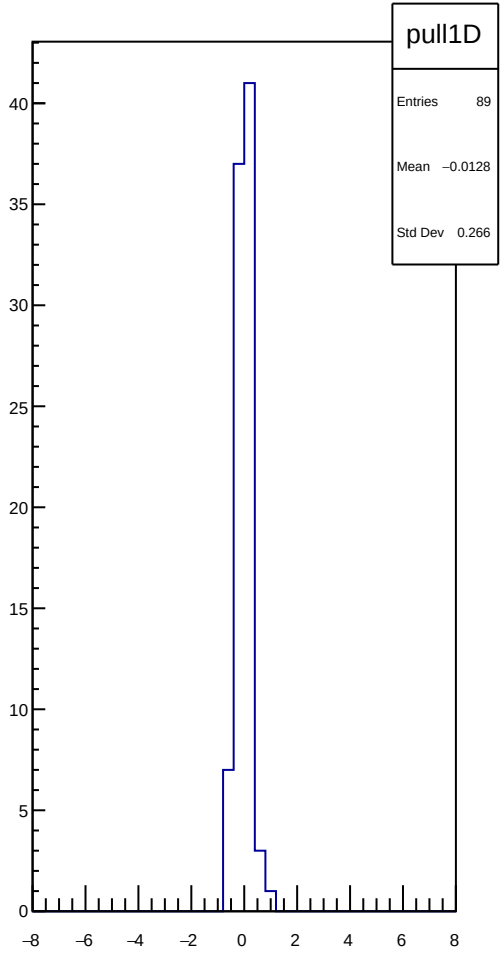

pull1D
Entries 89
Mean 0.009936
Std Dev 0.916
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

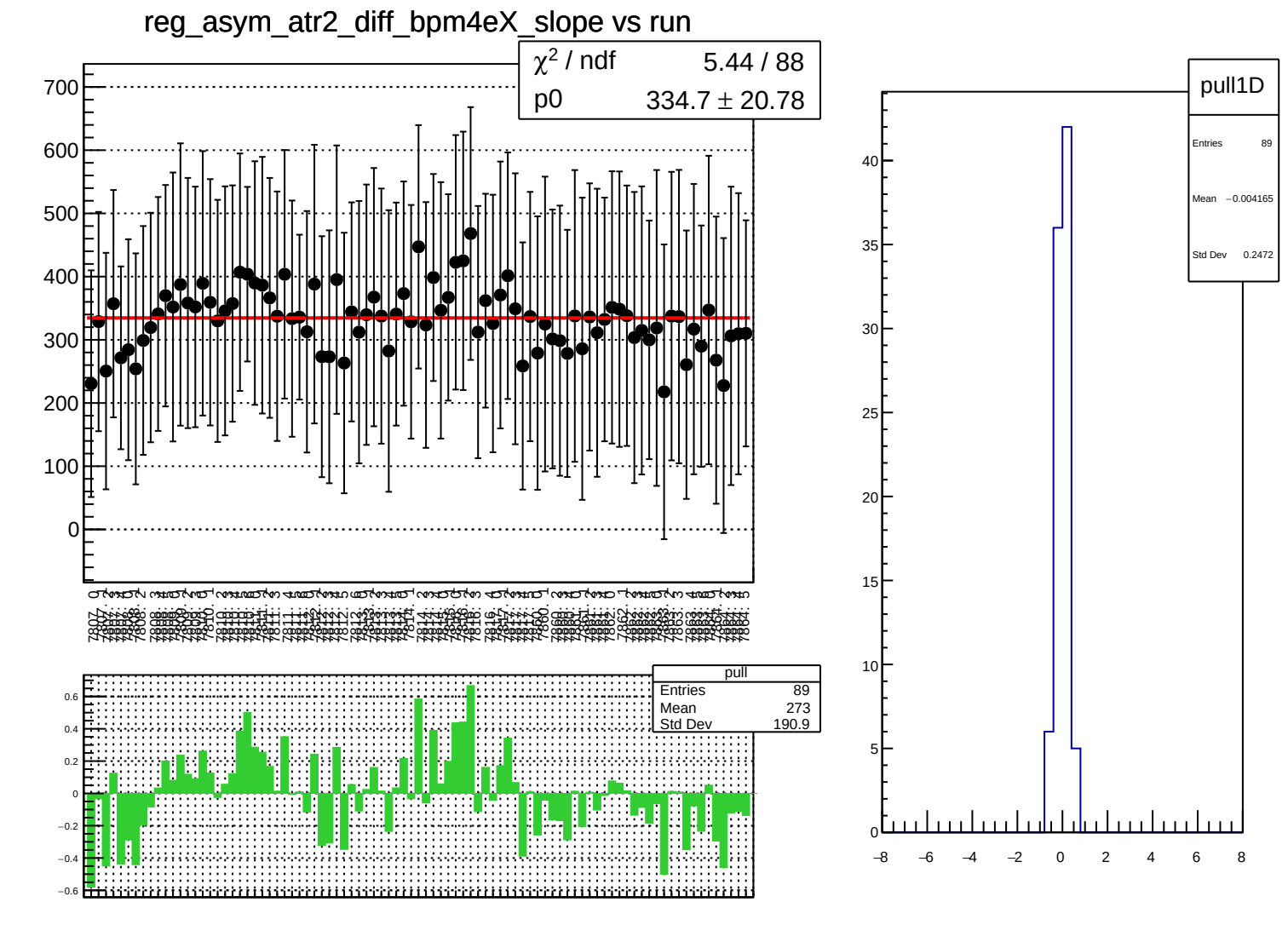

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 145.6 / 88
p0 −60.53 ± 0.1687
pull
Entries 89
Mean 359.4
Std Dev 312.5
pull1D
Entries 89
Mean −0.05881
Std Dev 1.278

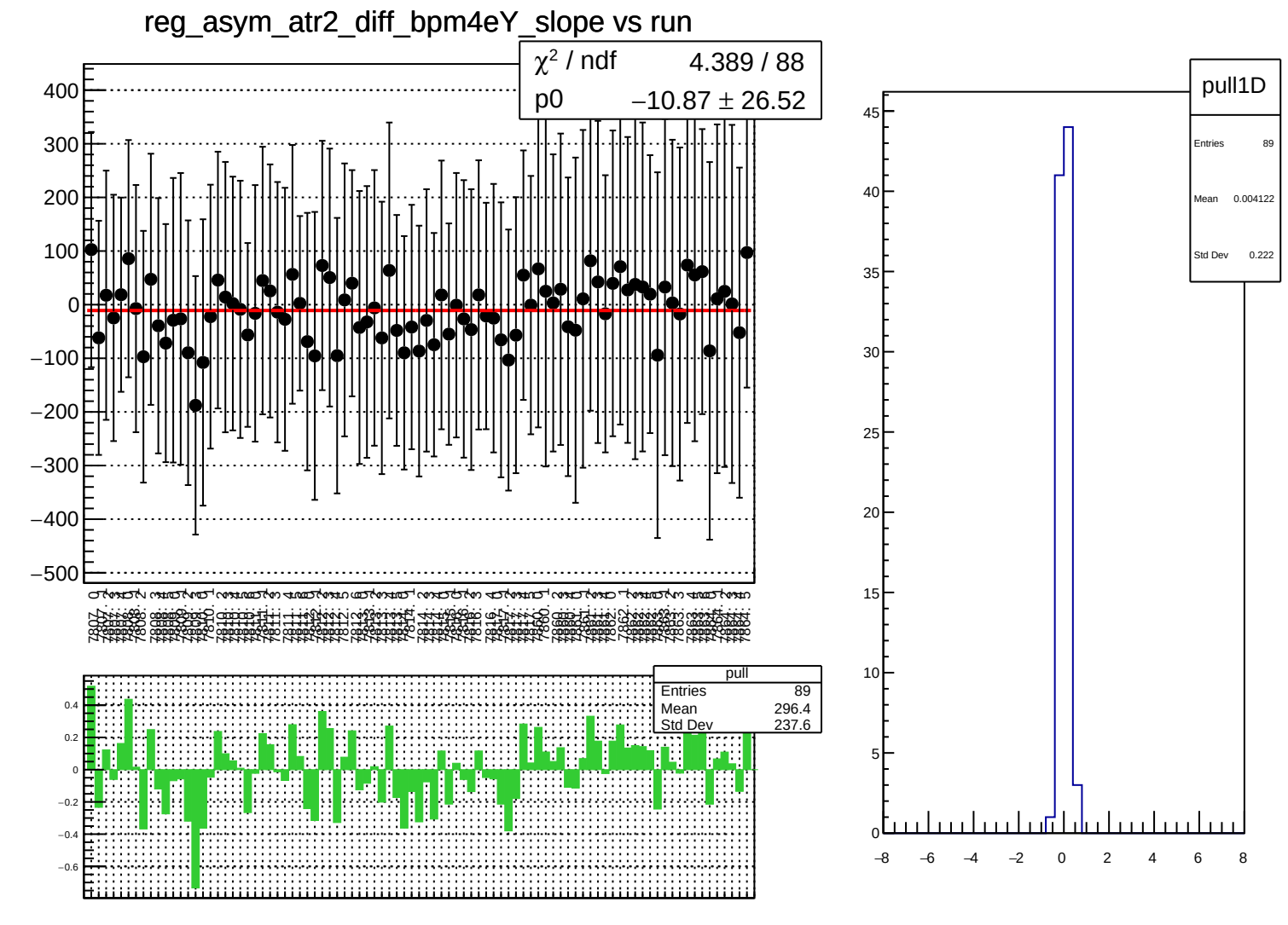

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 4.94 / 88
p0 −241 ± 22.95
pull
Entries 89
Mean 132.5
Std Dev 61.47

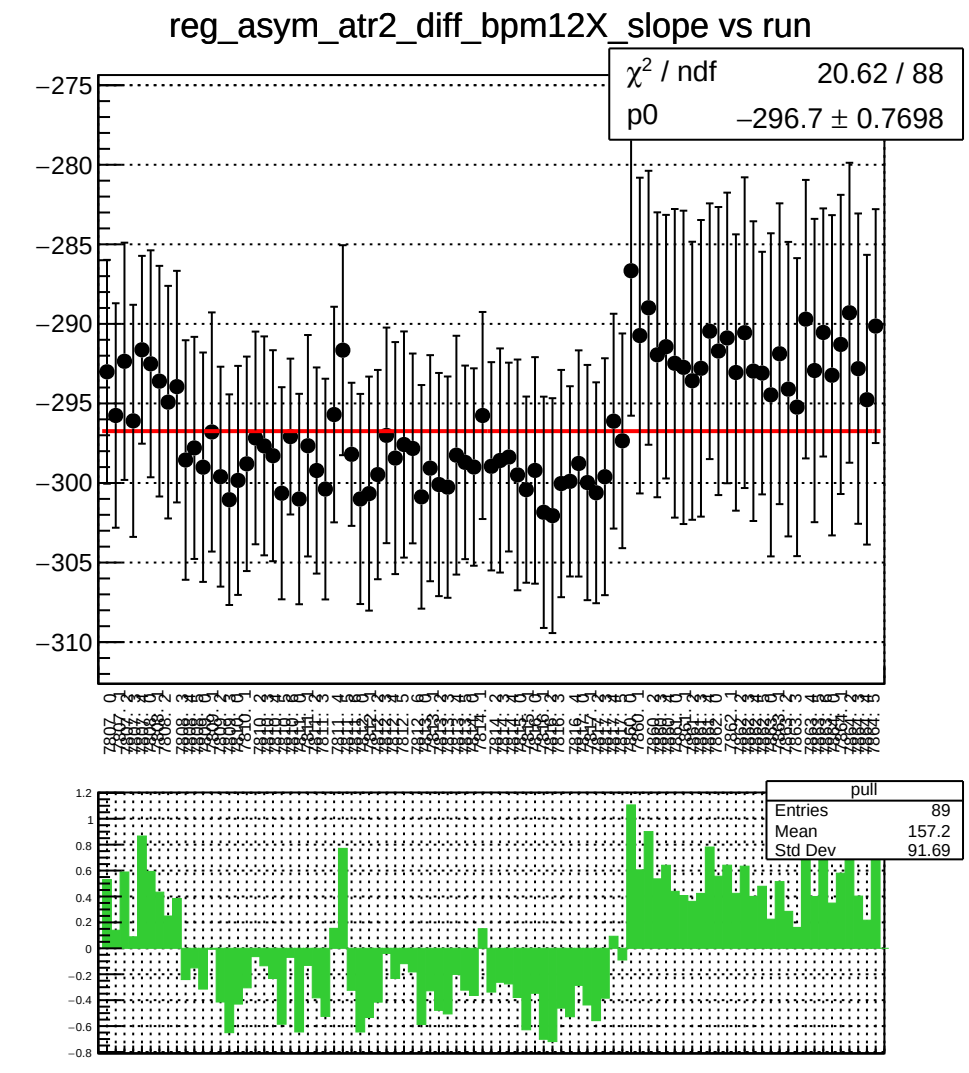

pull1D
Entries 89
Mean 0.004895
Std Dev 0.2355

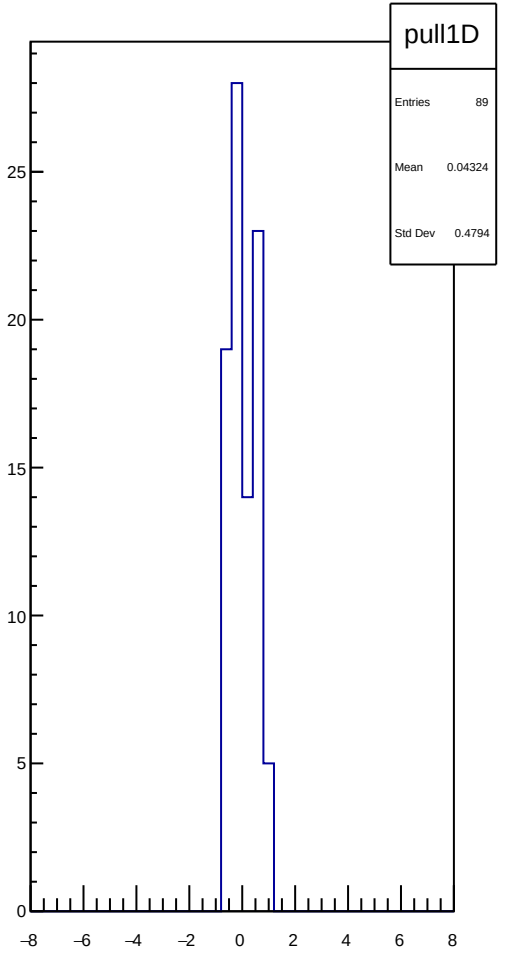

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.311 / 88
p0 122.6 ± 23.29
pull
Entries 89
Mean 269.8
Std Dev 214.9

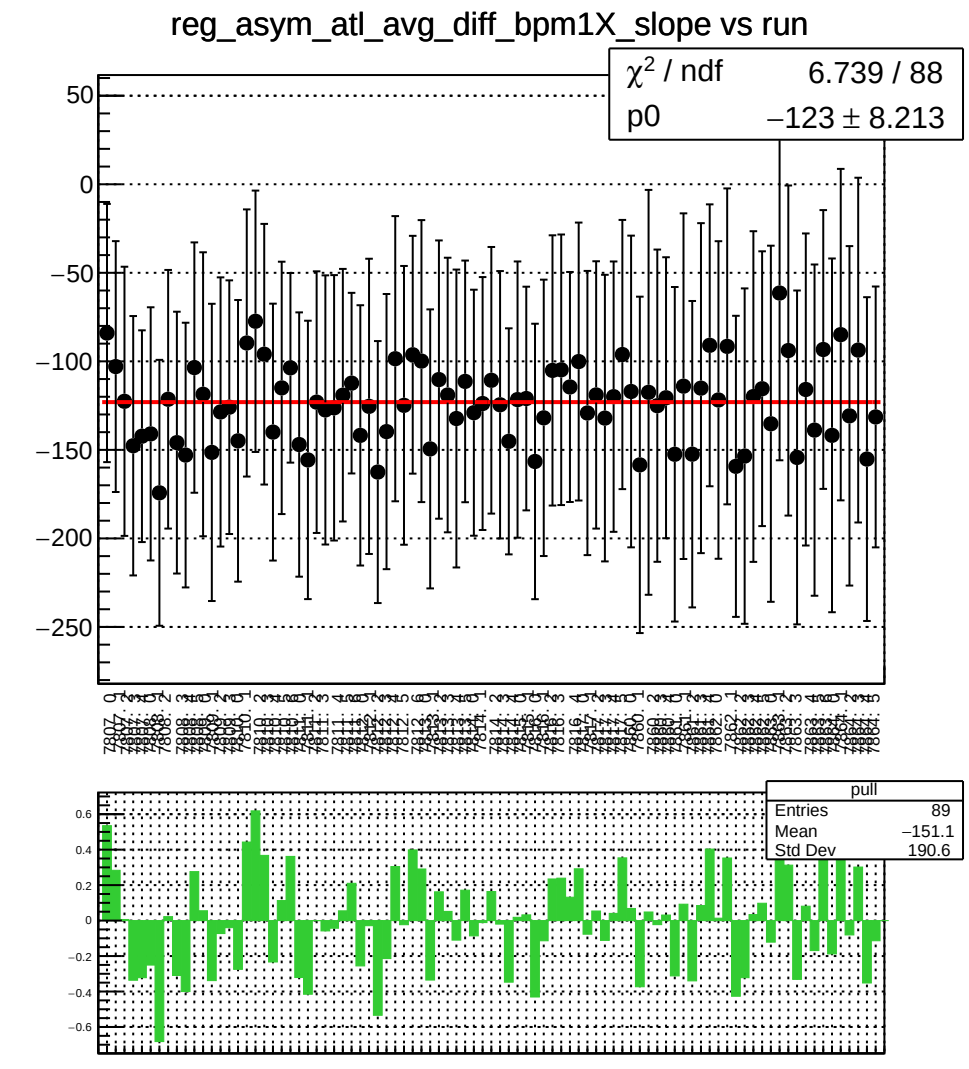

pull1D
Entries 89
Mean −0.0128
Std Dev 0.266

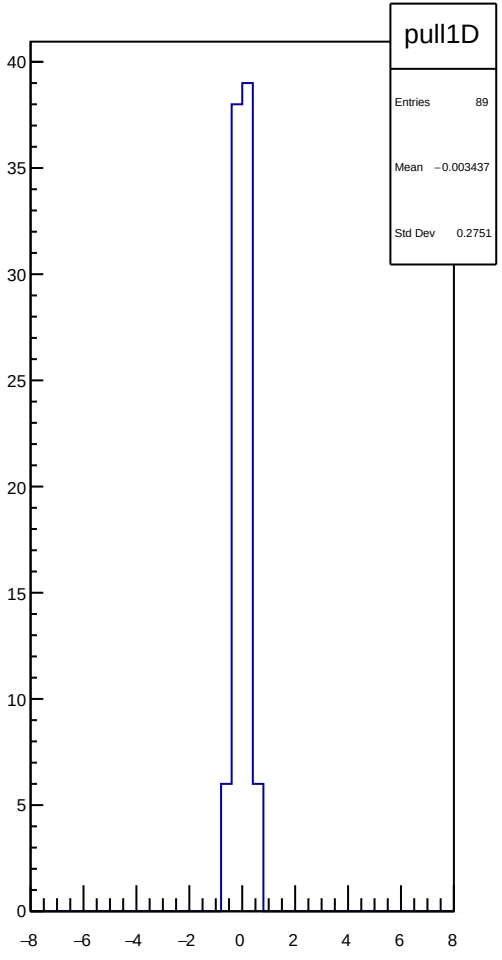

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 5.44 / 88
p0 334.7 ± 20.78
pull
Entries 89
Mean 273
Std Dev 190.9
pull1D
Entries 89
Mean −0.004165
Std Dev 0.2472

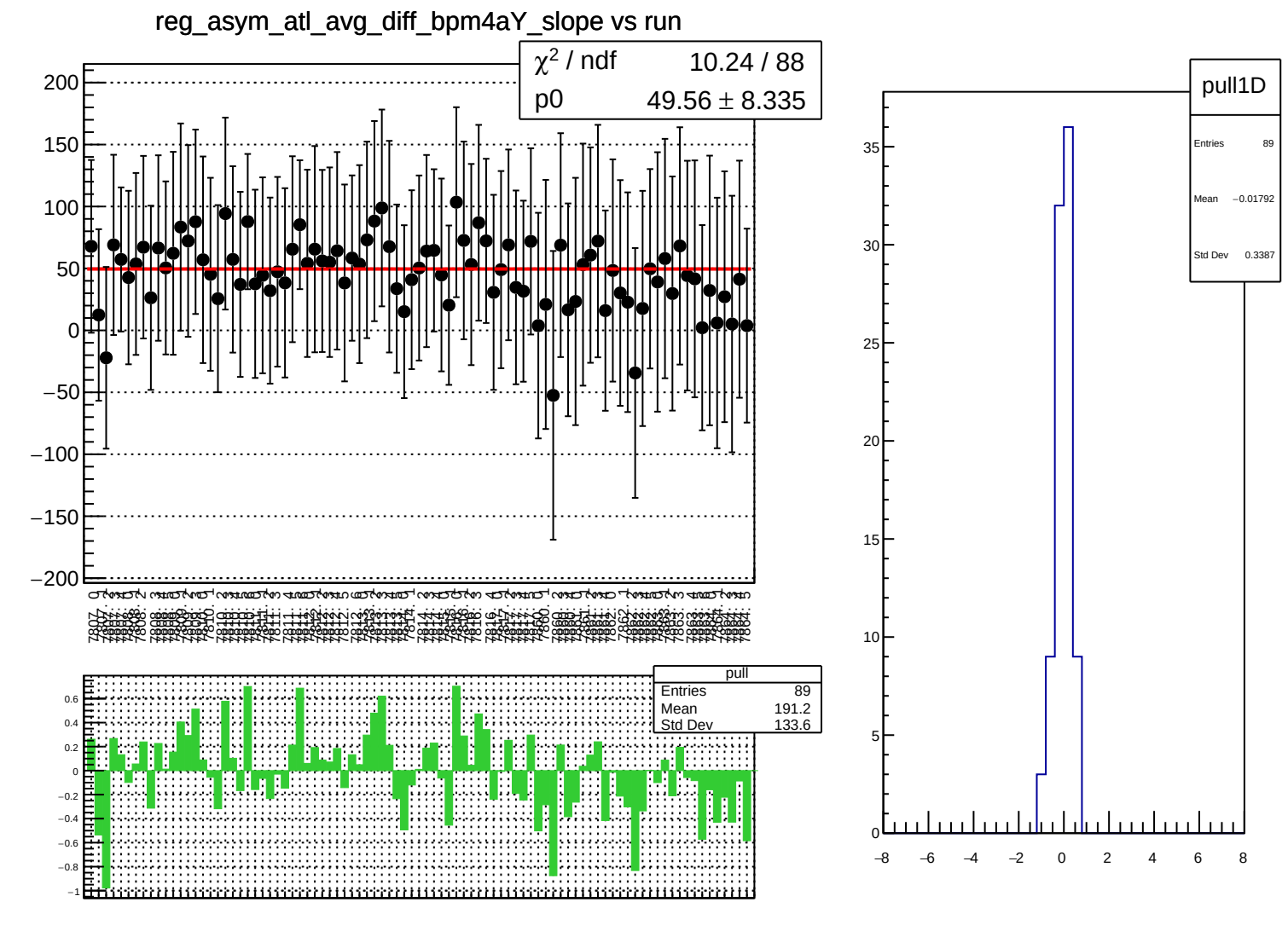

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.389 / 88
p0 −10.87 ± 26.52
pull
Entries 89
Mean 296.4
Std Dev 237.6
pull1D
Entries 89
Mean 0.004122
Std Dev 0.222

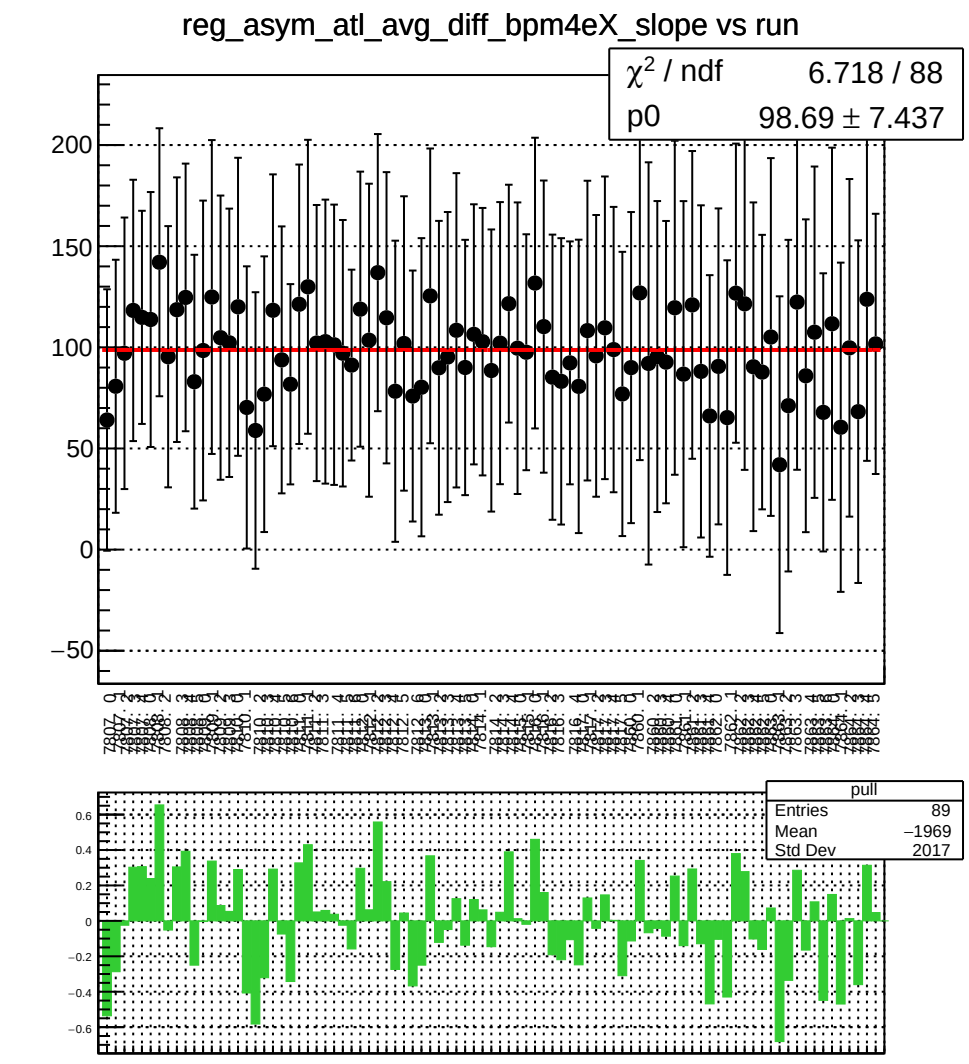

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 20.62 / 88
p0 −296.7 ± 0.7698
pull
Entries 89
Mean 157.2
Std Dev 91.69

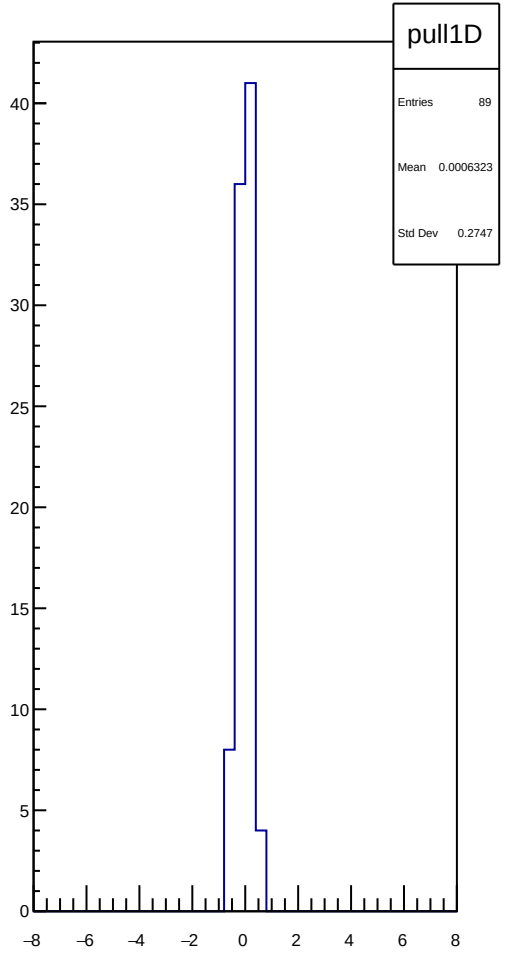

pull1D
Entries 89
Mean 0.04324
Std Dev 0.4794

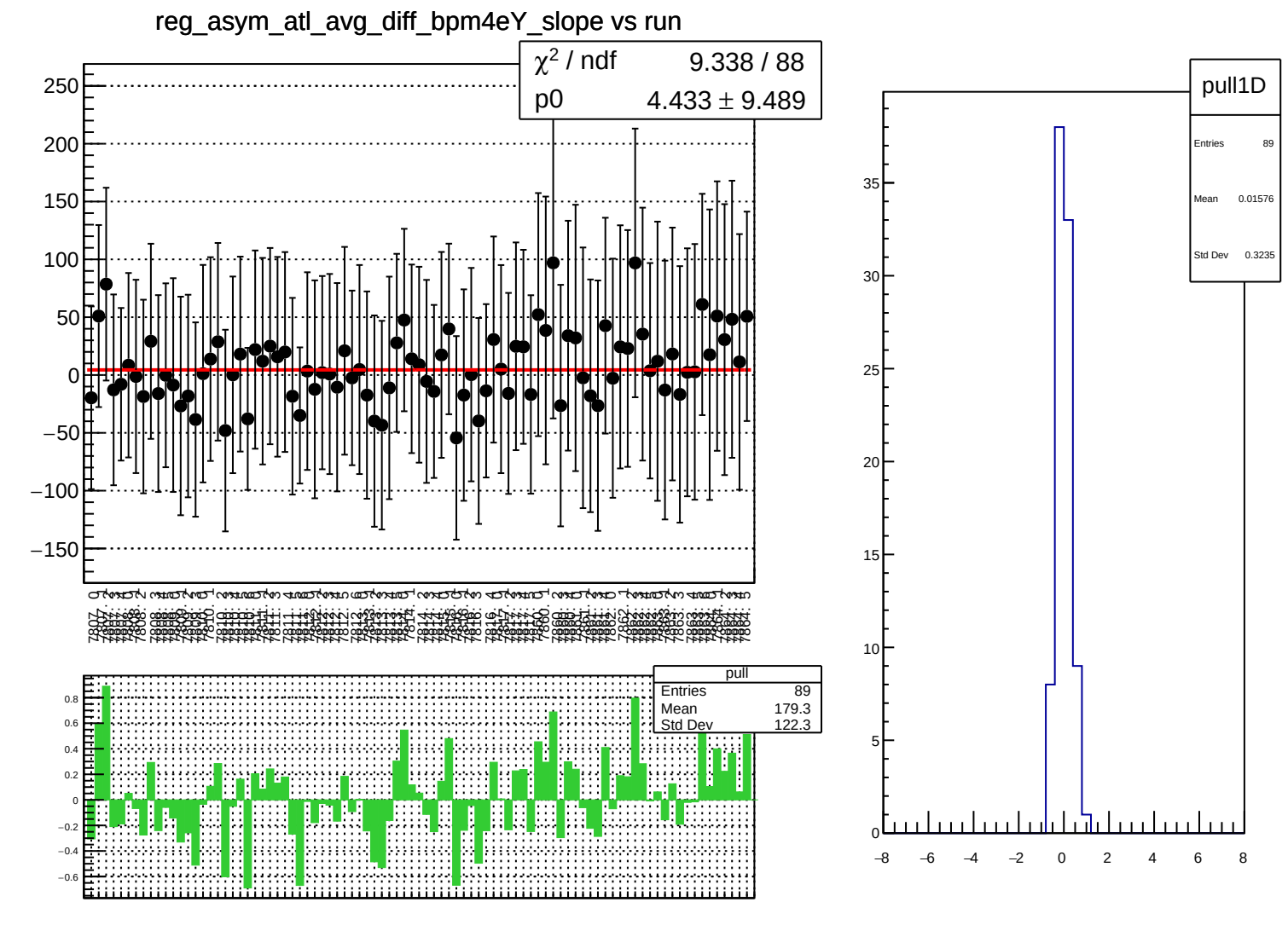

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 6.739 / 88
p0 −123 ± 8.213
pull
Entries 89
Mean −151.1
Std Dev 190.6

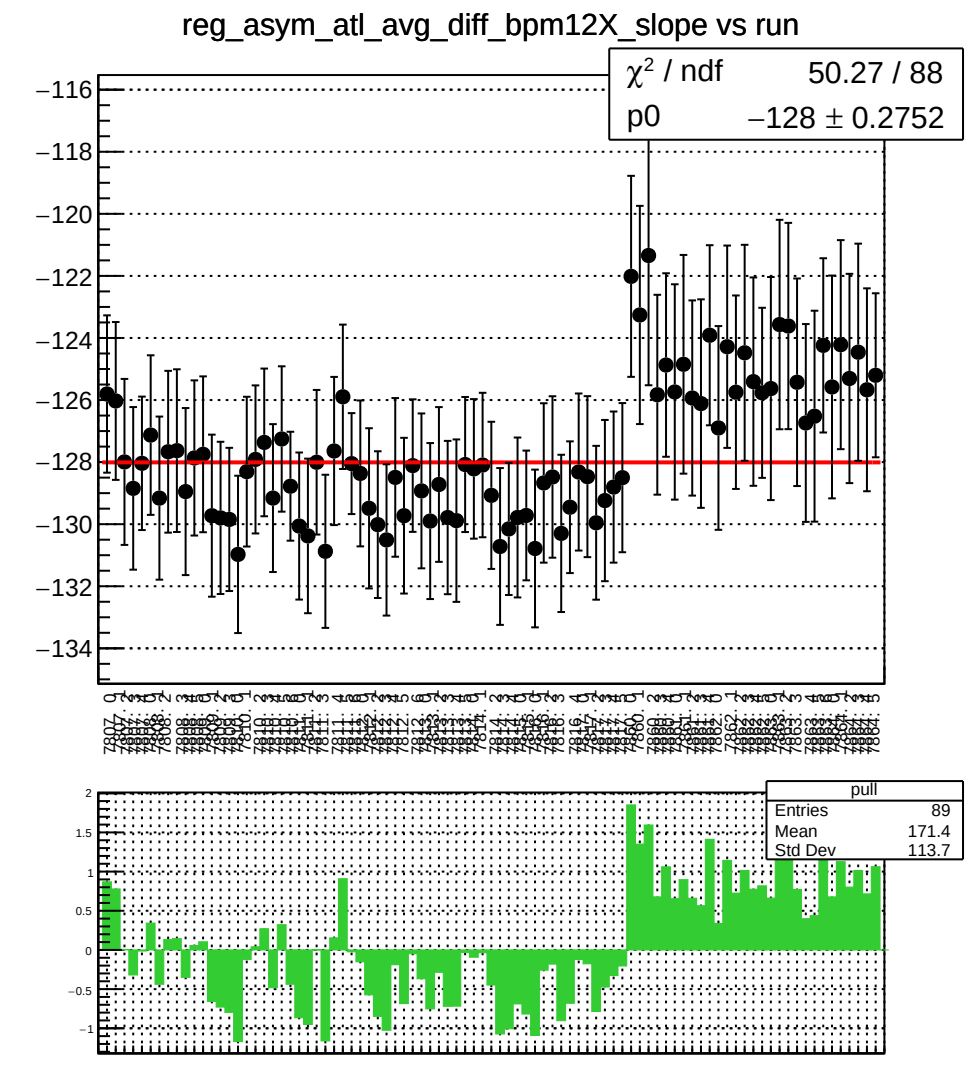

pull1D
Entries 89
Mean −0.003437
Std Dev 0.2751

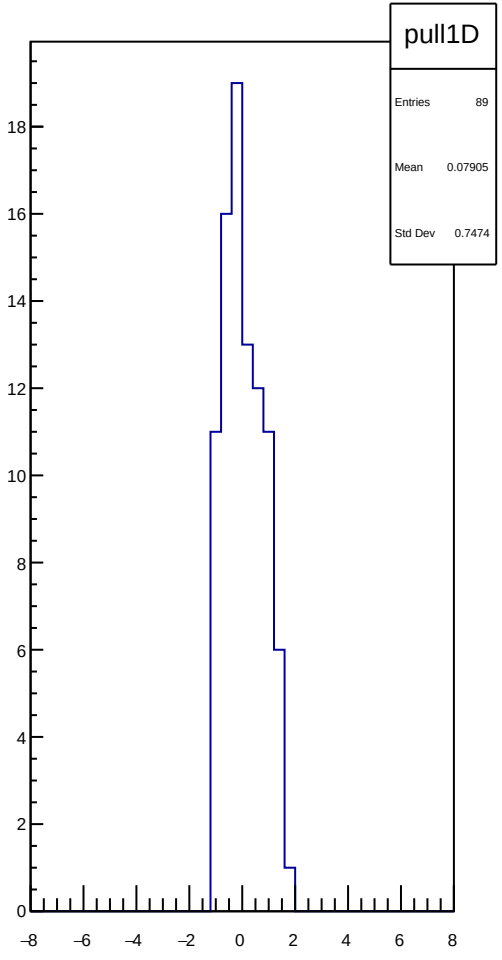

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.24 / 88
p0 49.56 ± 8.335
pull
Entries 89
Mean 191.2
Std Dev 133.6
pull1D
Entries 89
Mean −0.01792
Std Dev 0.3387

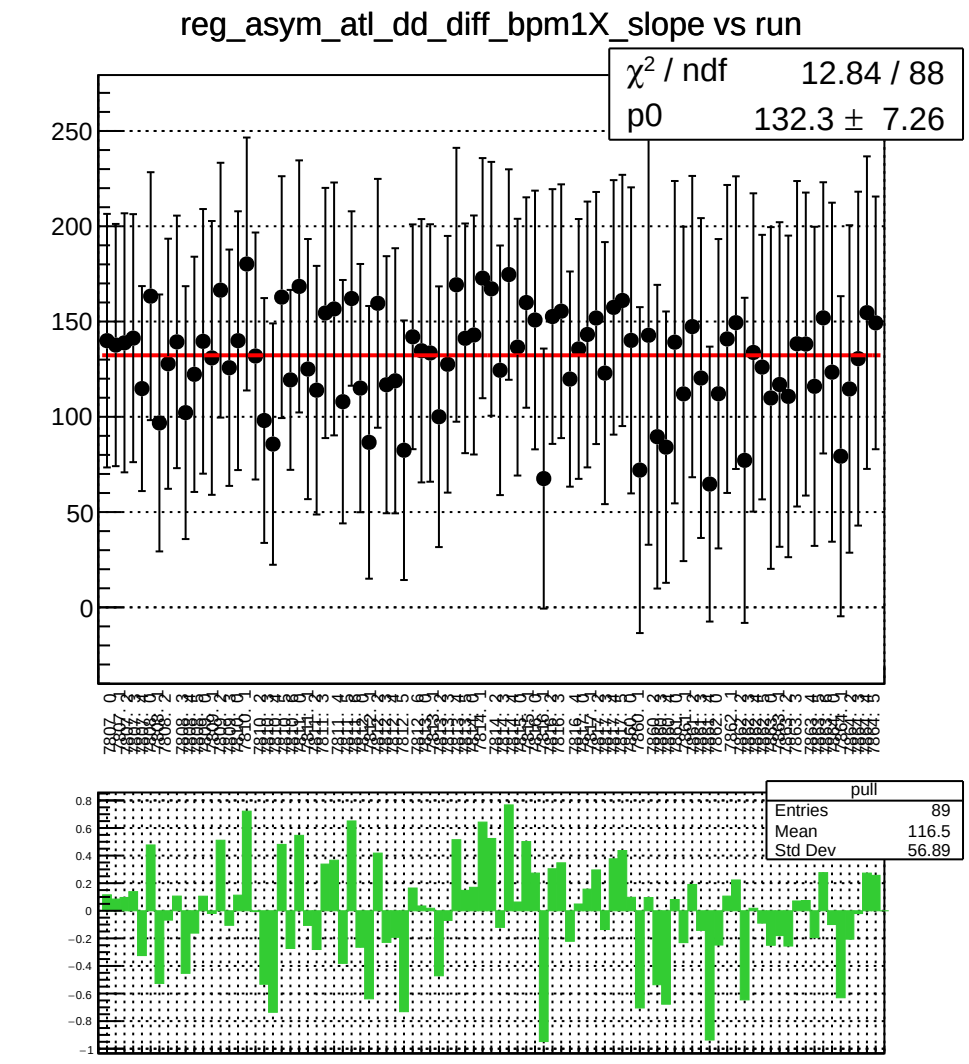

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.718 / 88
p0 98.69 ± 7.437
200
150
100
50
0
−50
pull
Entries 89
Mean −1969
Std Dev 2017
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

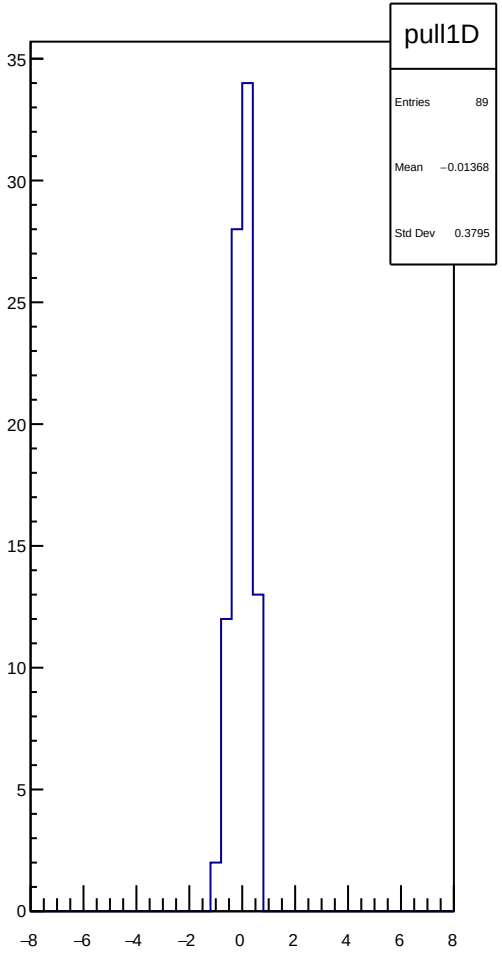

pull1D
Entries 89
Mean 0.0006323
Std Dev 0.2747
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

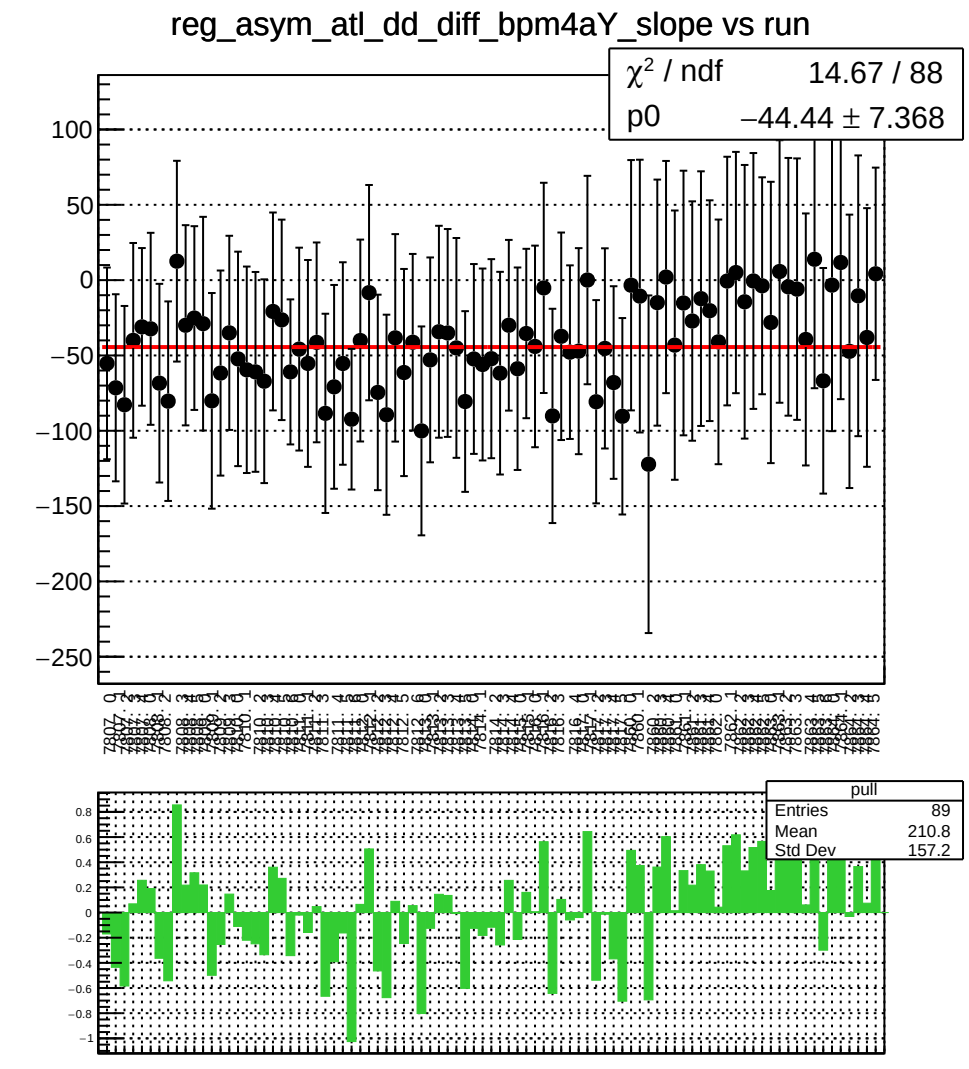

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.338 / 88
p0 4.433 ± 9.489
pull
Entries 89
Mean 179.3
Std Dev 122.3
pull1D
Entries 89
Mean 0.01576
Std Dev 0.3235

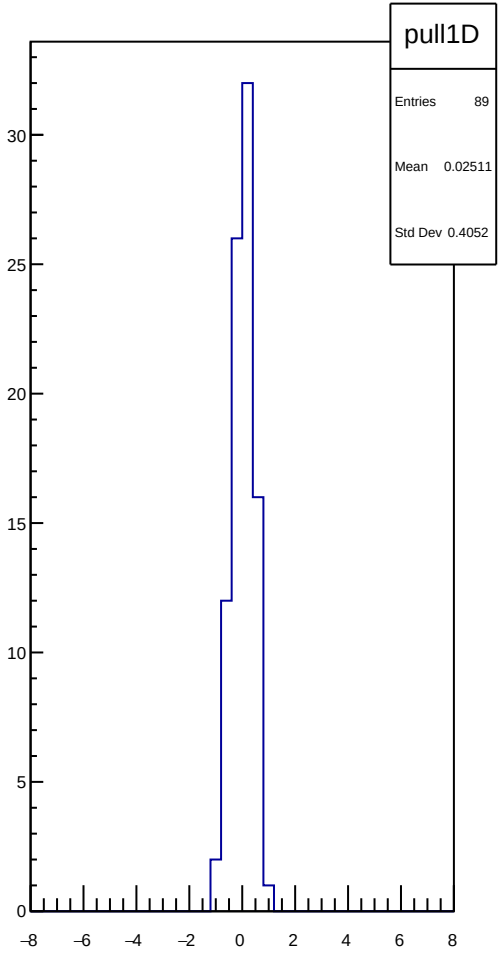

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 50.27 / 88
p0 −128 ± 0.2752
pull
Entries 89
Mean 171.4
Std Dev 113.7

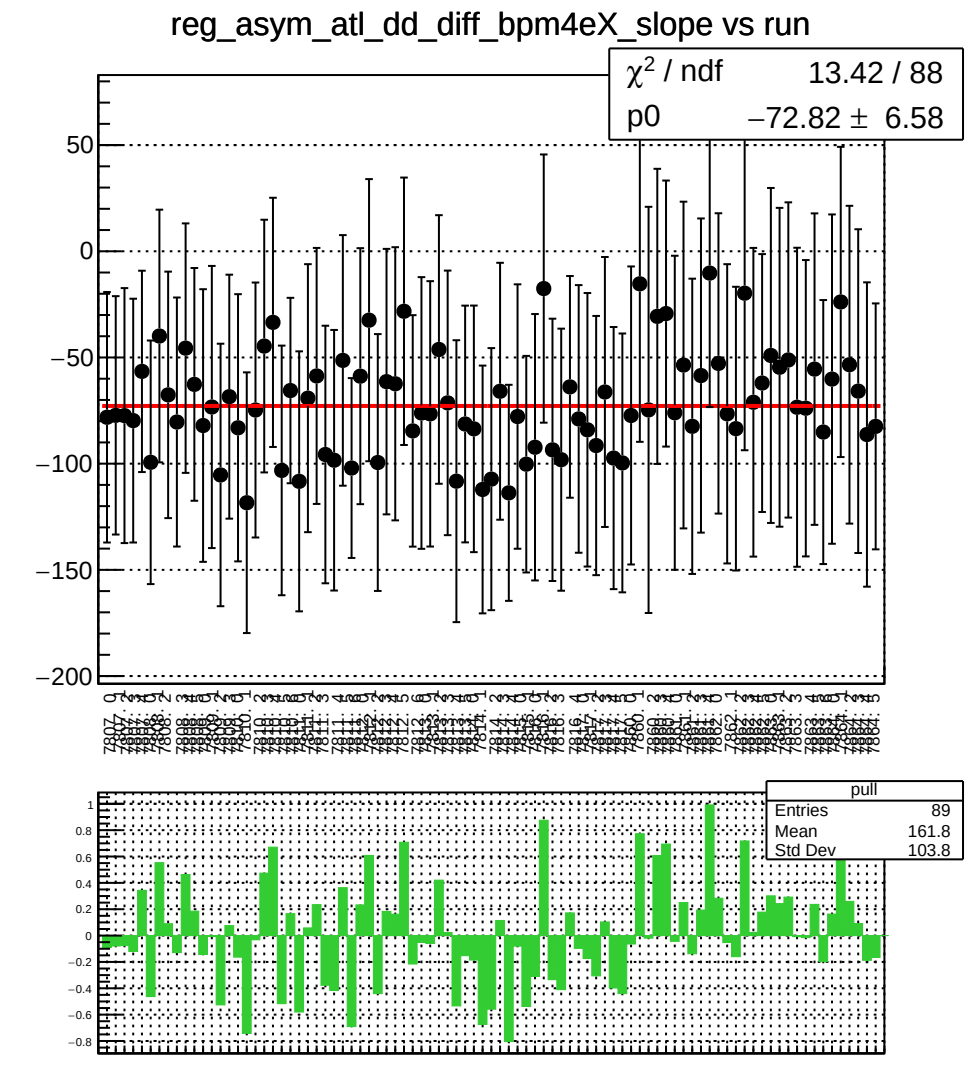

pull1D
Entries 89
Mean 0.07905
Std Dev 0.7474

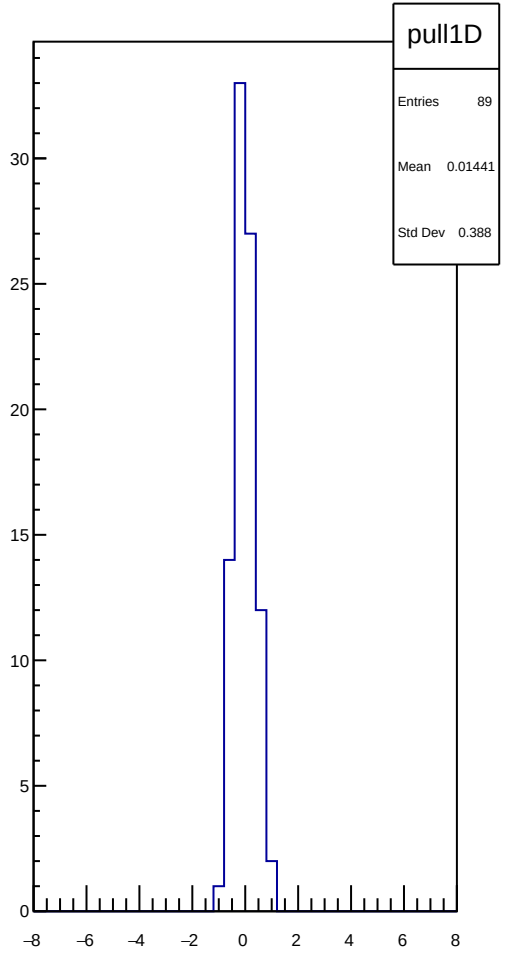

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 12.84 / 88
p0 132.3 ± 7.26
pull
Entries 89
Mean 116.5
Std Dev 56.89

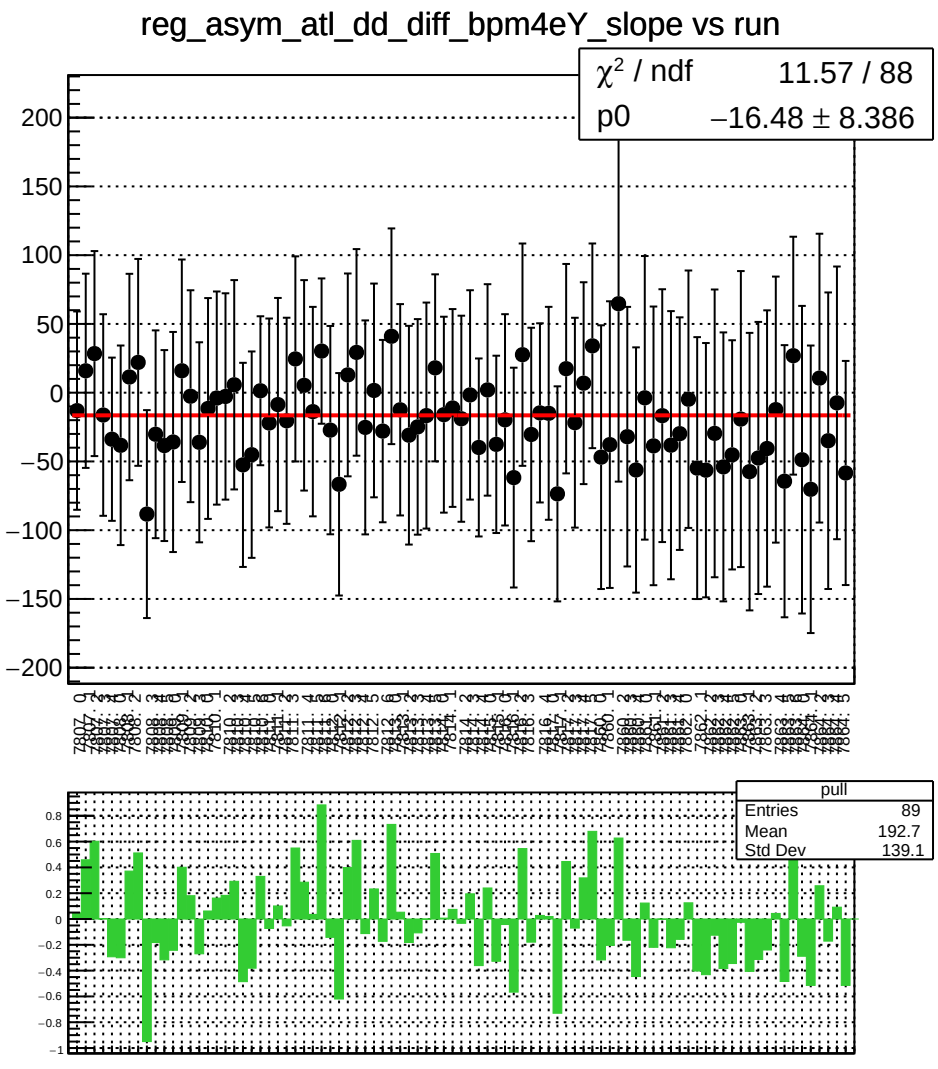

pull1D
Entries 89
Mean −0.01368
Std Dev 0.3795

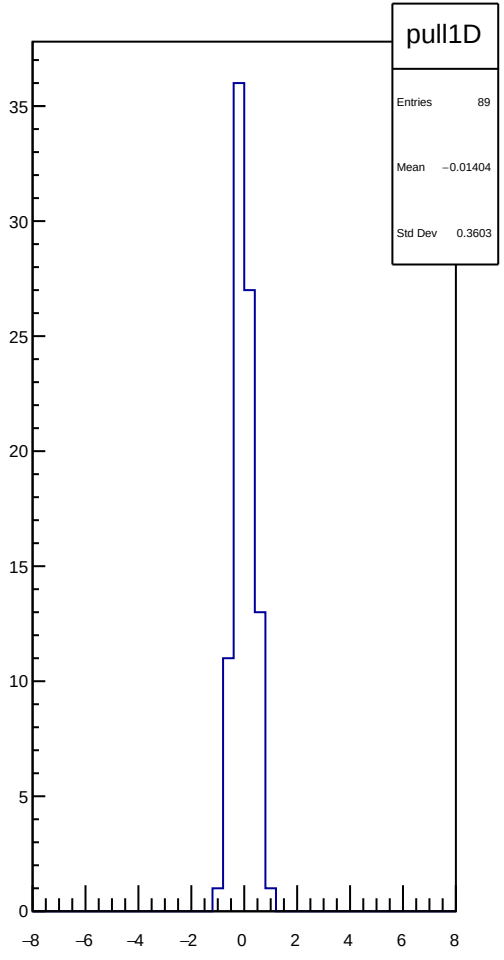

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.67 / 88
p0 −44.44 ± 7.368
pull
Entries 89
Mean 210.8
Std Dev 157.2

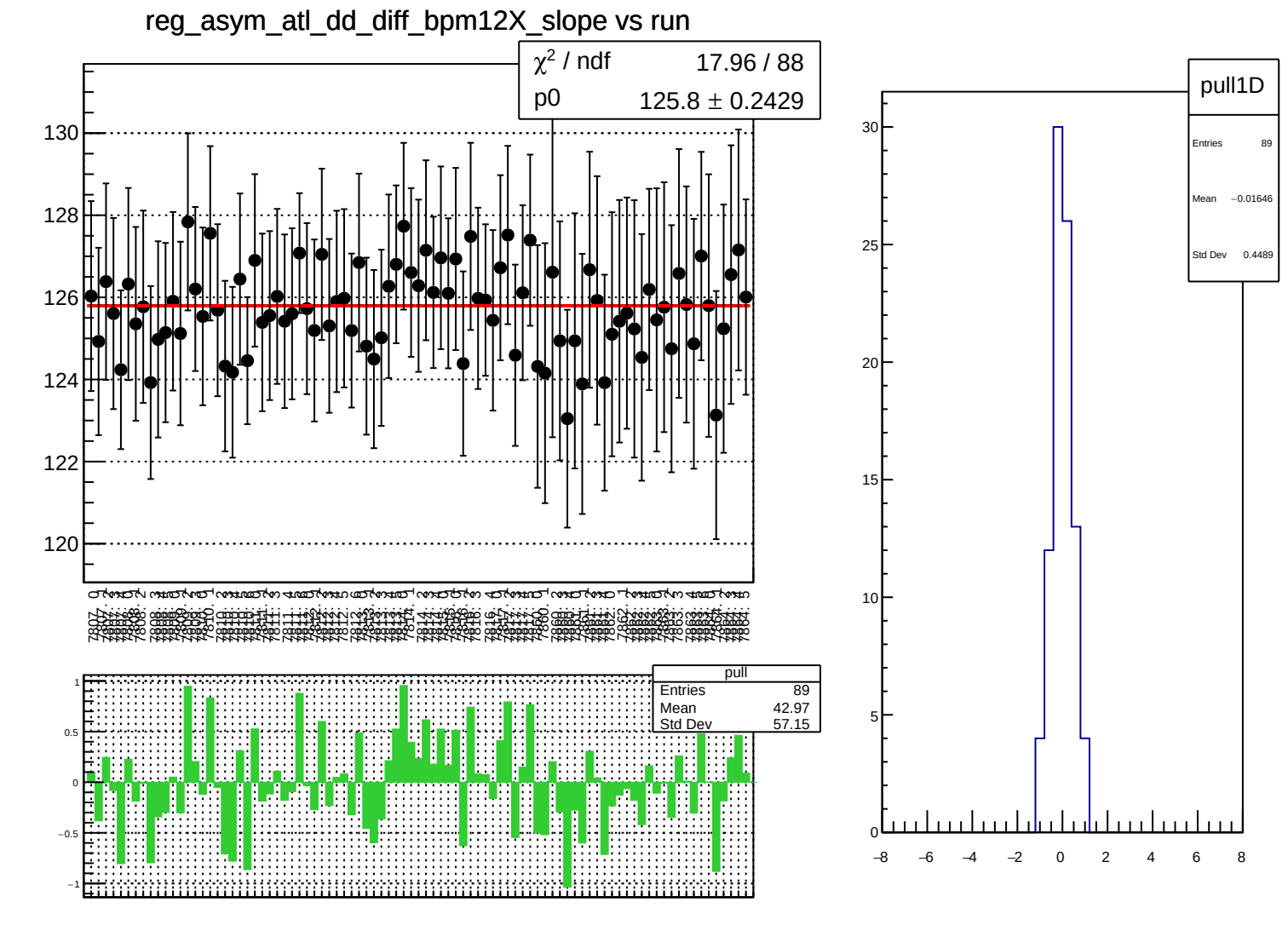

pull1D
Entries 89
Mean 0.02511
Std Dev 0.4052

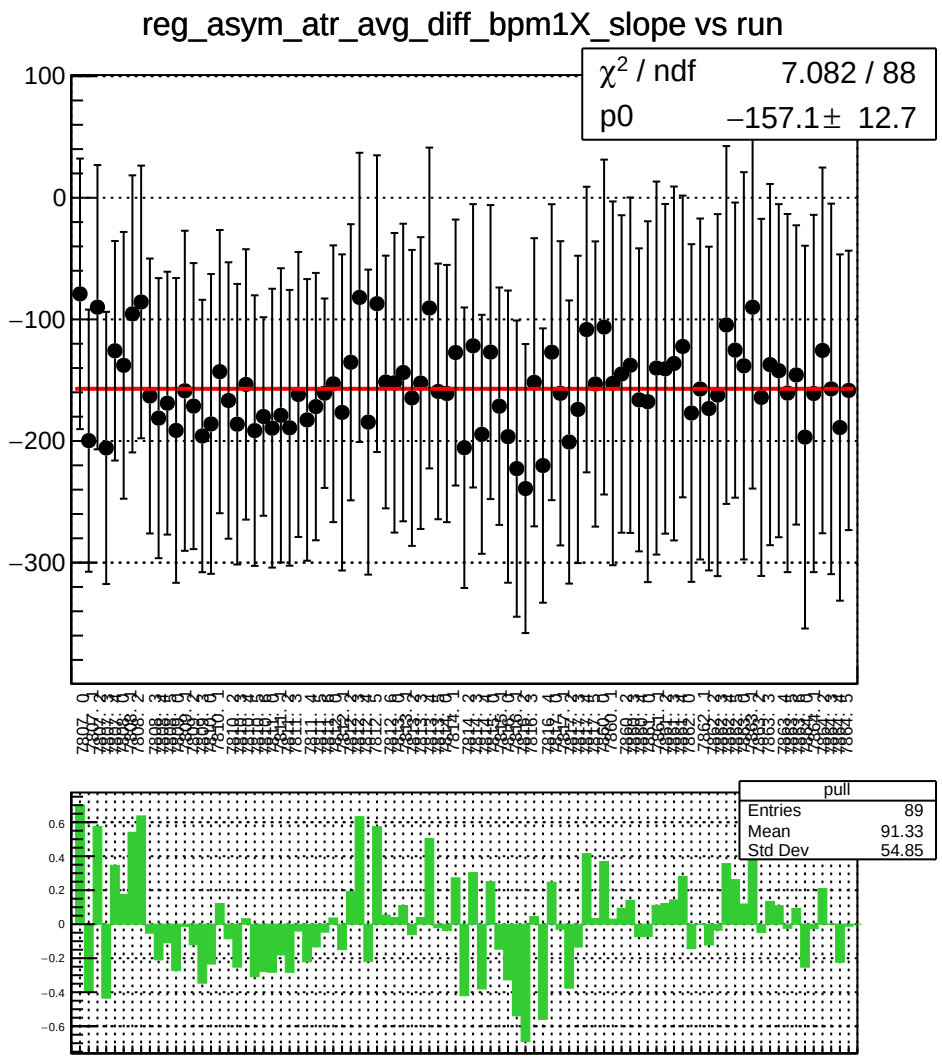

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.42 / 88
p0 −72.82 ± 6.58
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 161.8
Std Dev 103.8
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

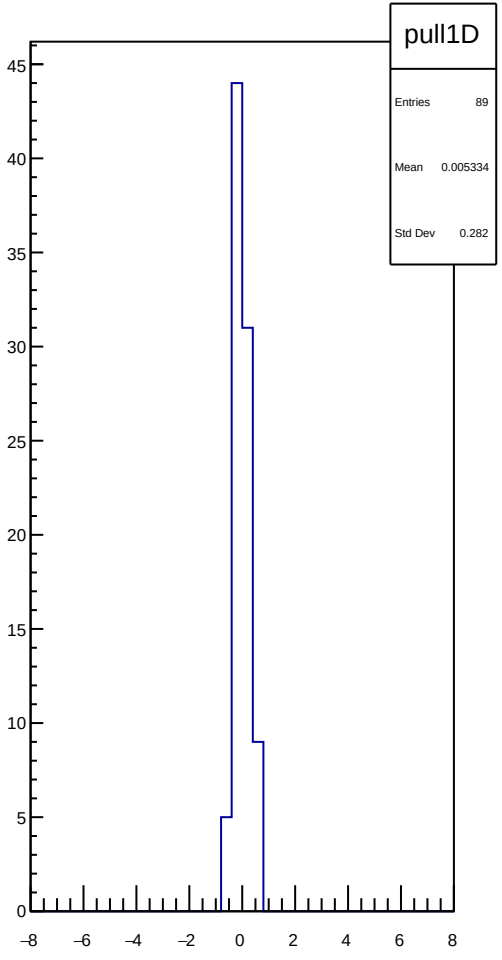

pull1D
Entries 89
Mean 0.01441
Std Dev 0.388
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

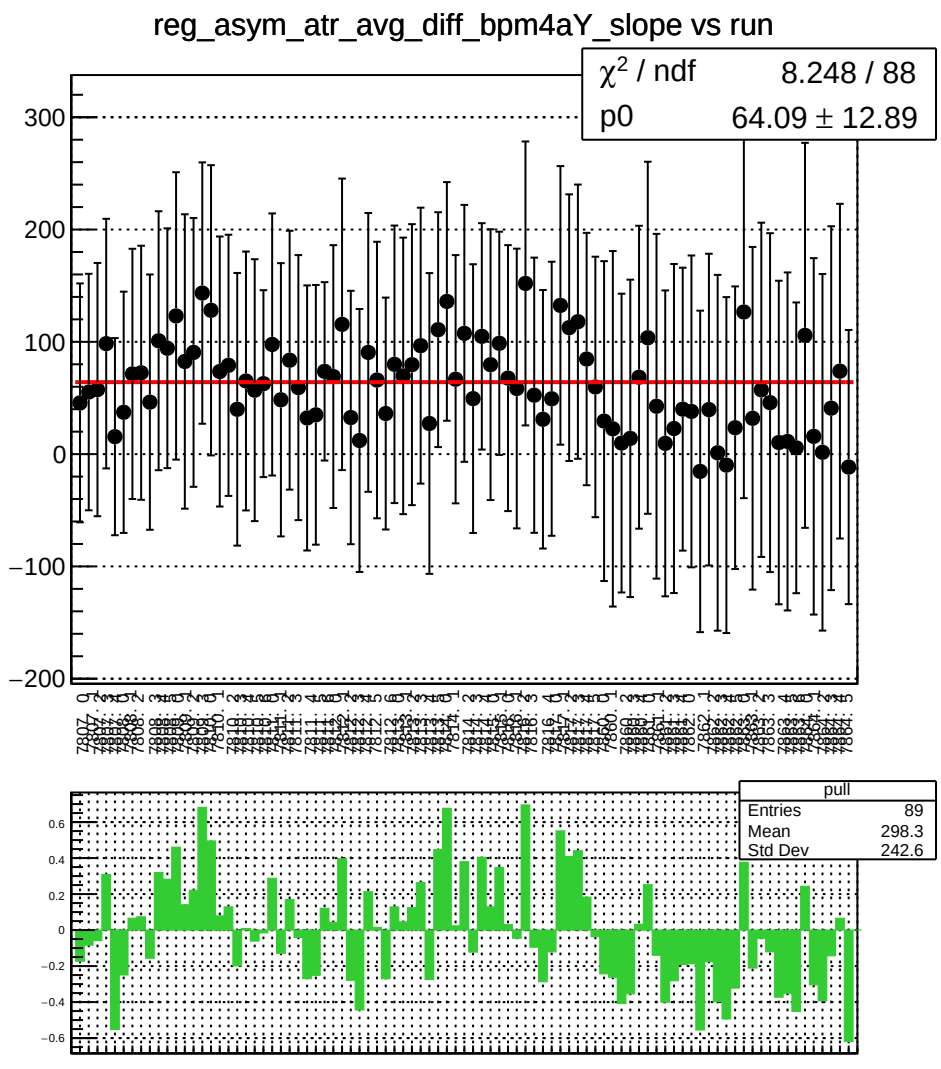

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.57 / 88
p0 −16.48 ± 8.386
pull
Entries 89
Mean 192.7
Std Dev 139.1

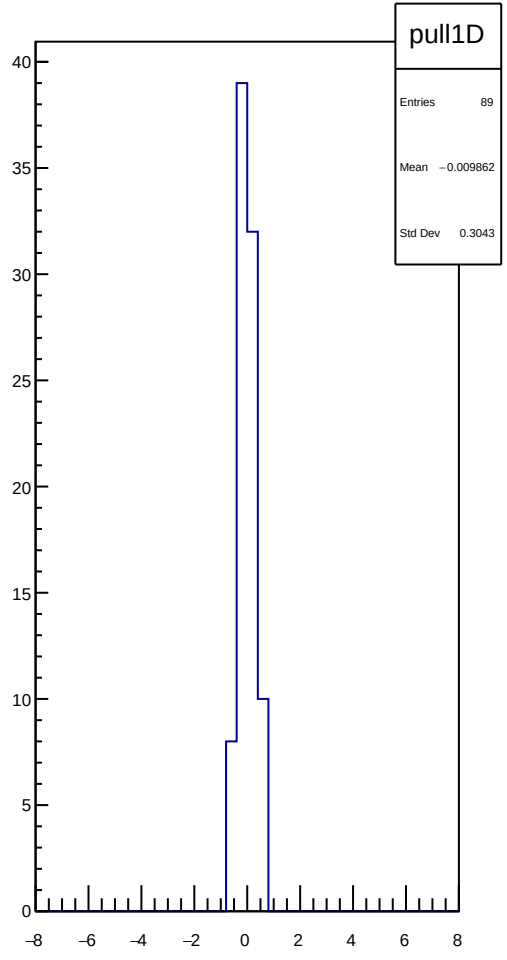

pull1D
Entries 89
Mean −0.01404
Std Dev 0.3603

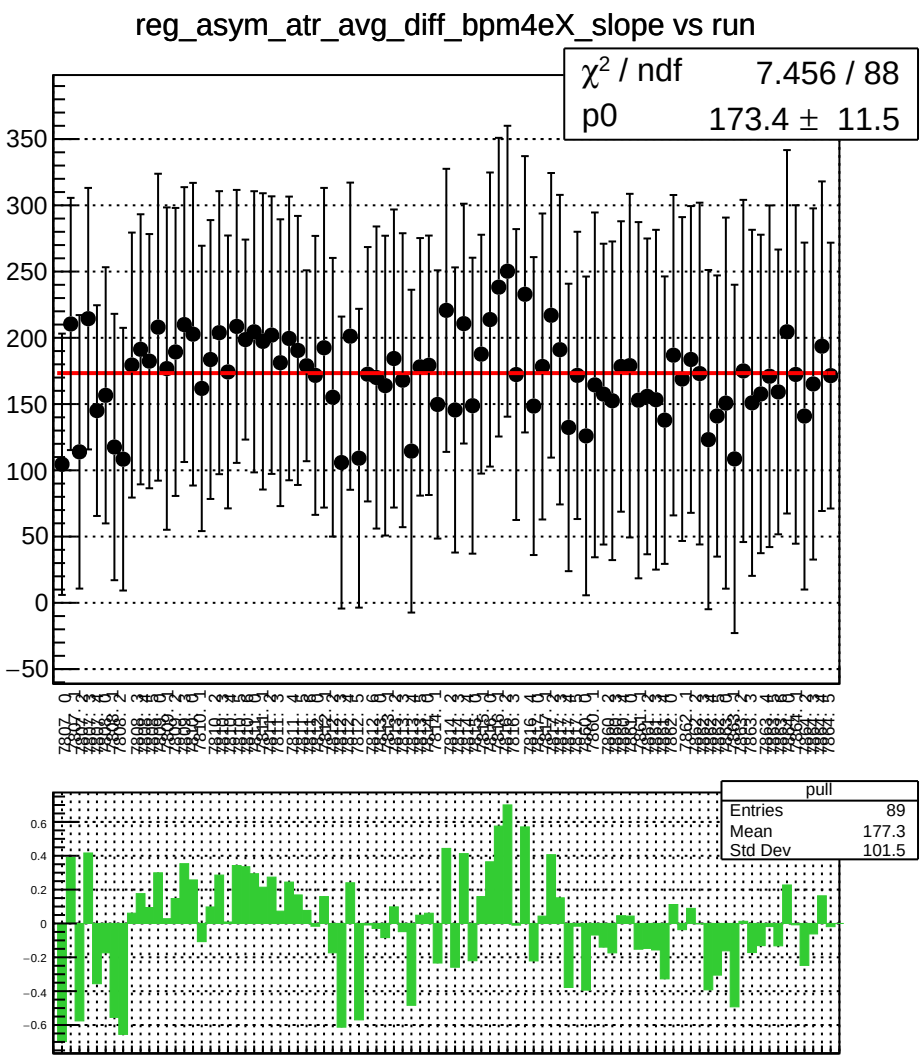

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 17.96 / 88
p0 125.8 ± 0.2429
130
128
126
124
122
120
pull
Entries 89
Mean 42.97
Std Dev 57.15
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean −0.01646
Std Dev 0.4489
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

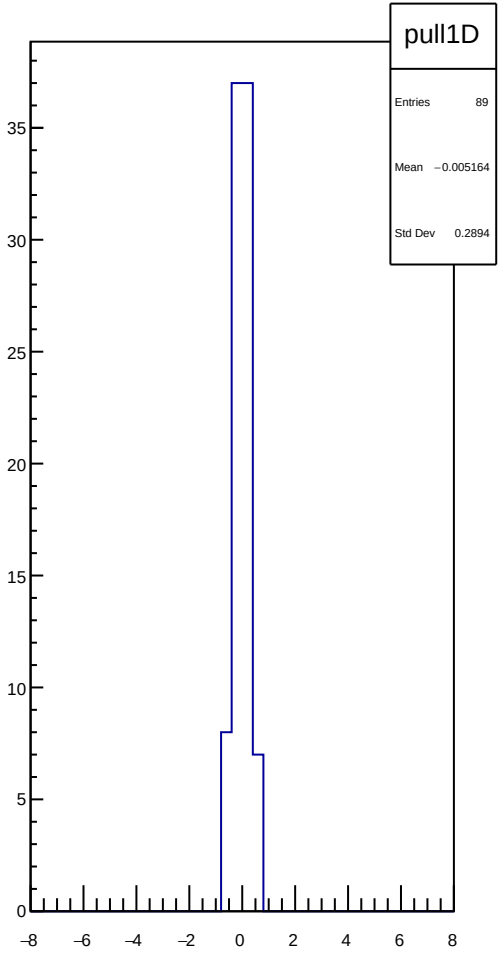

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 7.082 / 88
p0 −157.1± 12.7
pull
Entries 89
Mean 91.33
Std Dev 54.85

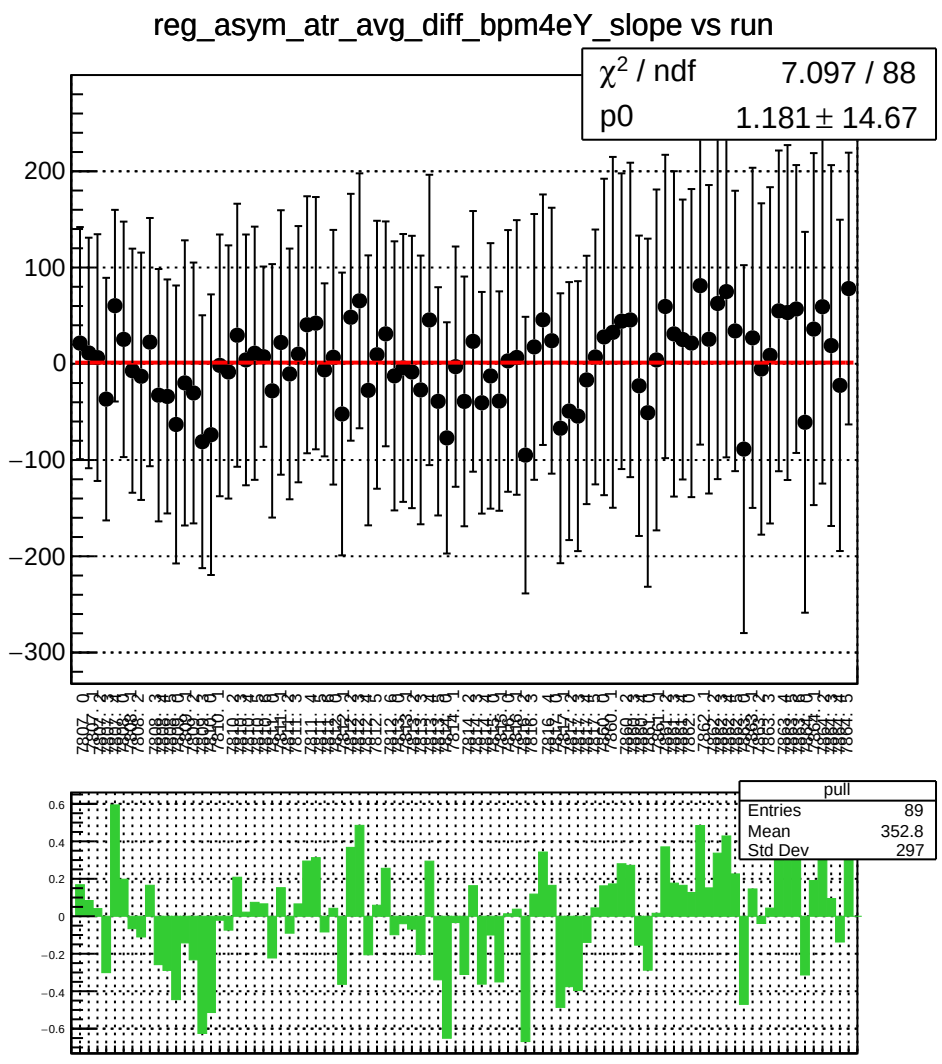

pull1D
Entries 89
Mean 0.005334
Std Dev 0.282

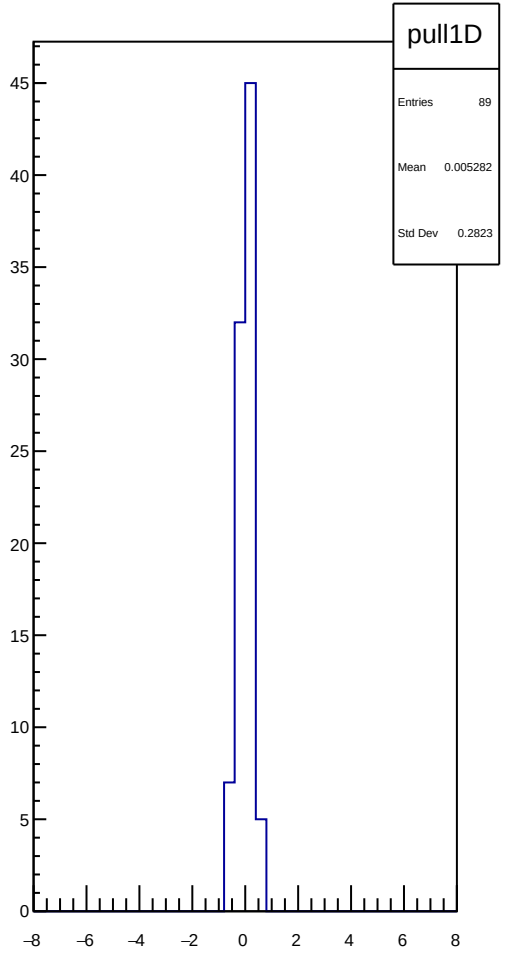

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.248 / 88
p0 64.09 ± 12.89
pull
Entries 89
Mean 298.3
Std Dev 242.6

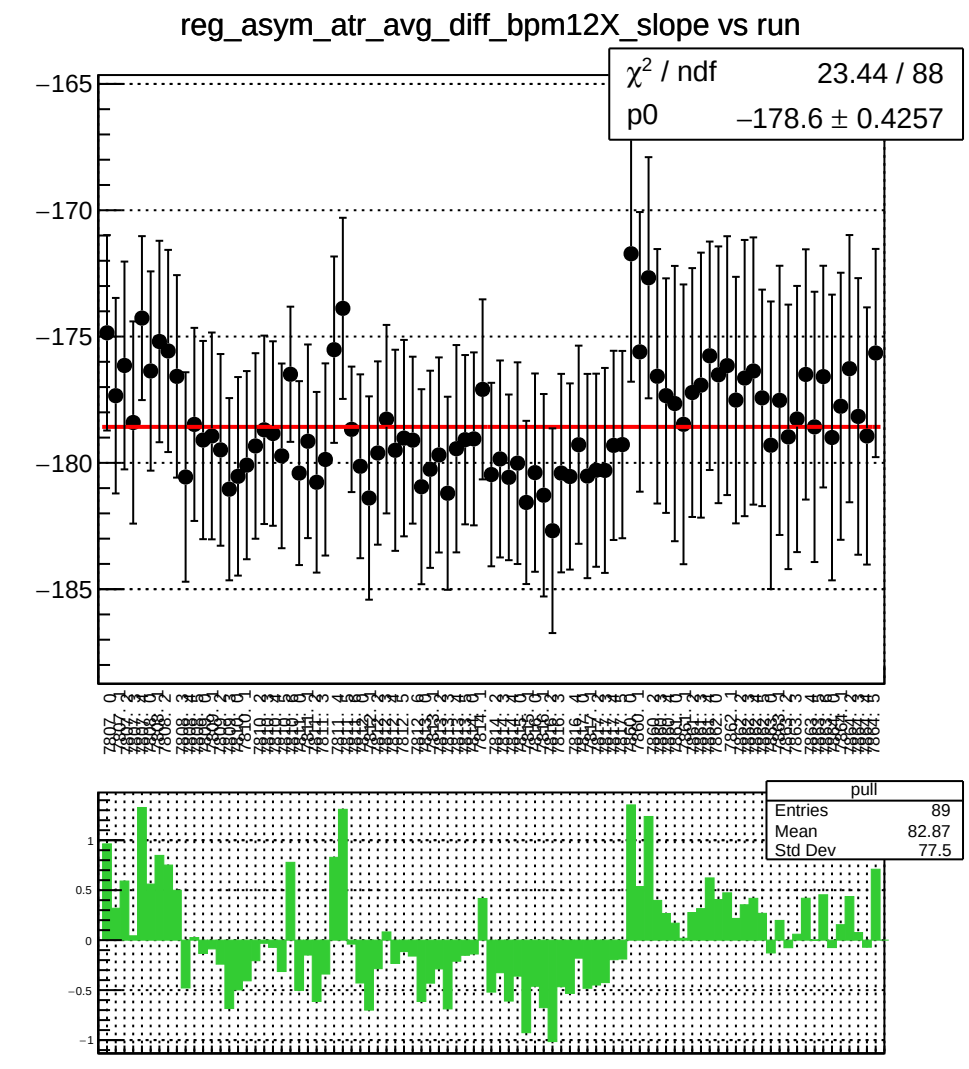

pull1D
Entries 89
Mean −0.009862
Std Dev 0.3043

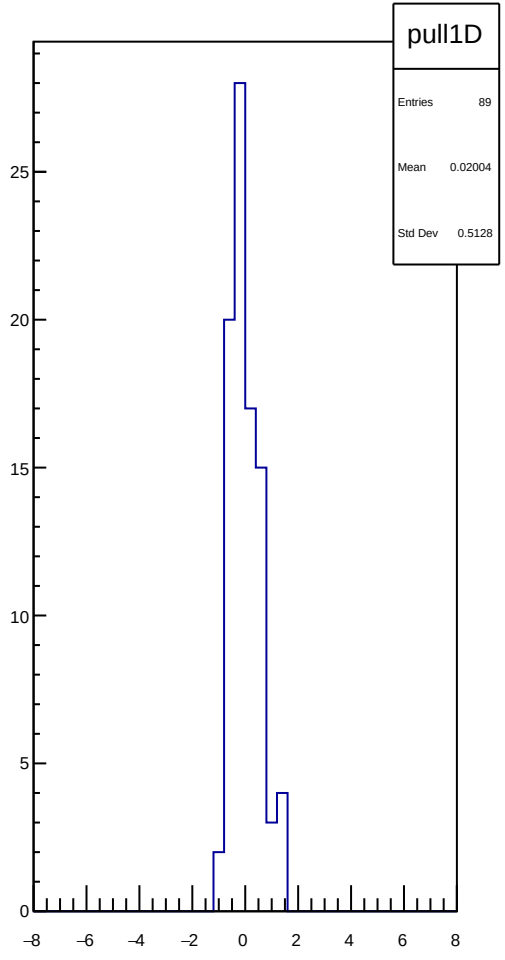

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.456 / 88
p0 173.4 ± 11.5
pull
Entries 89
Mean 177.3
Std Dev 101.5

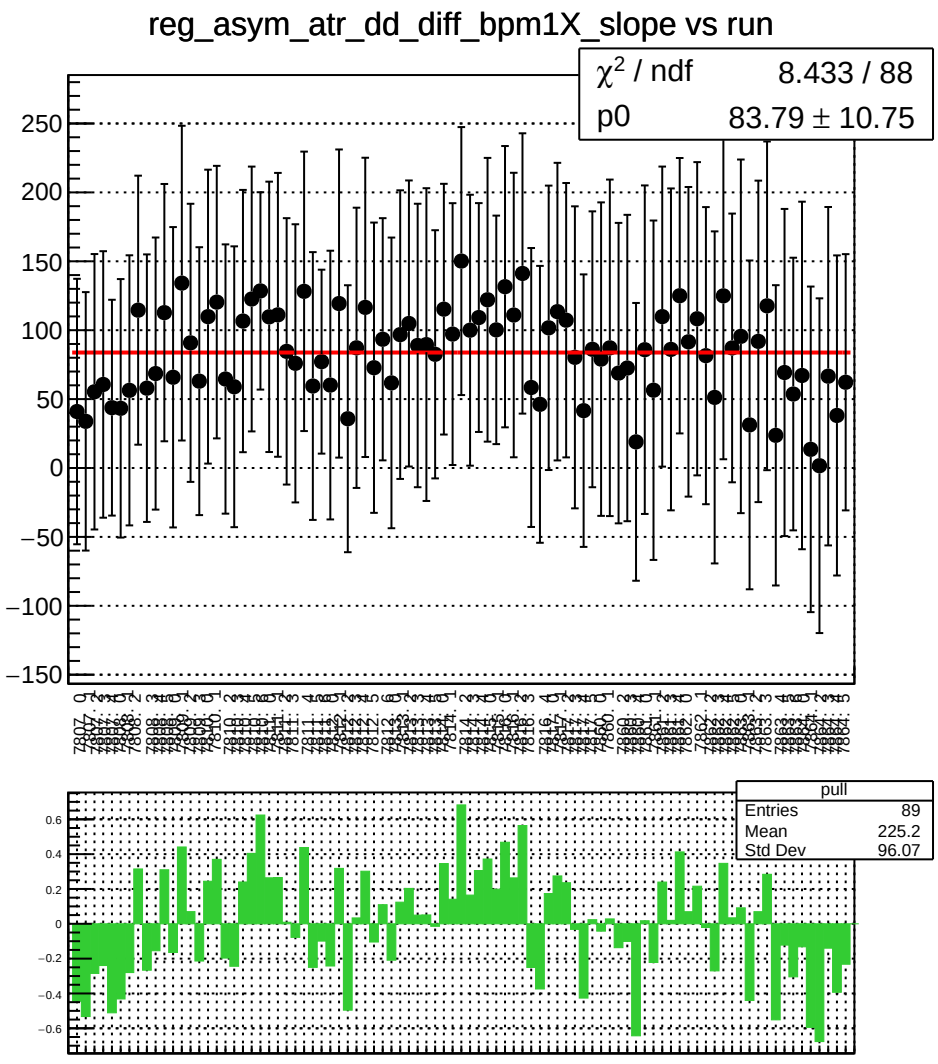

pull1D
Entries 89
Mean −0.005164
Std Dev 0.2894

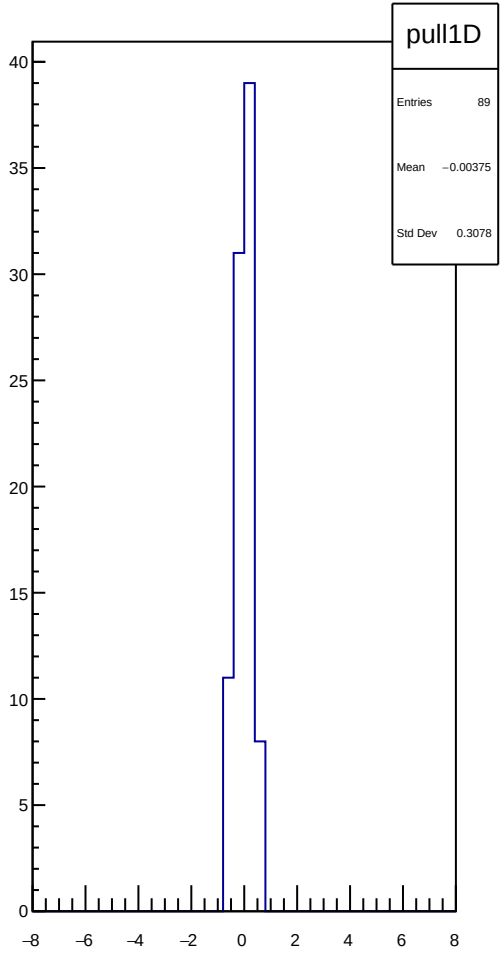

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.097 / 88
p0 1.181 ± 14.67
200
100
0
−100
−200
−300
pull
Entries 89
Mean 352.8
Std Dev 297
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

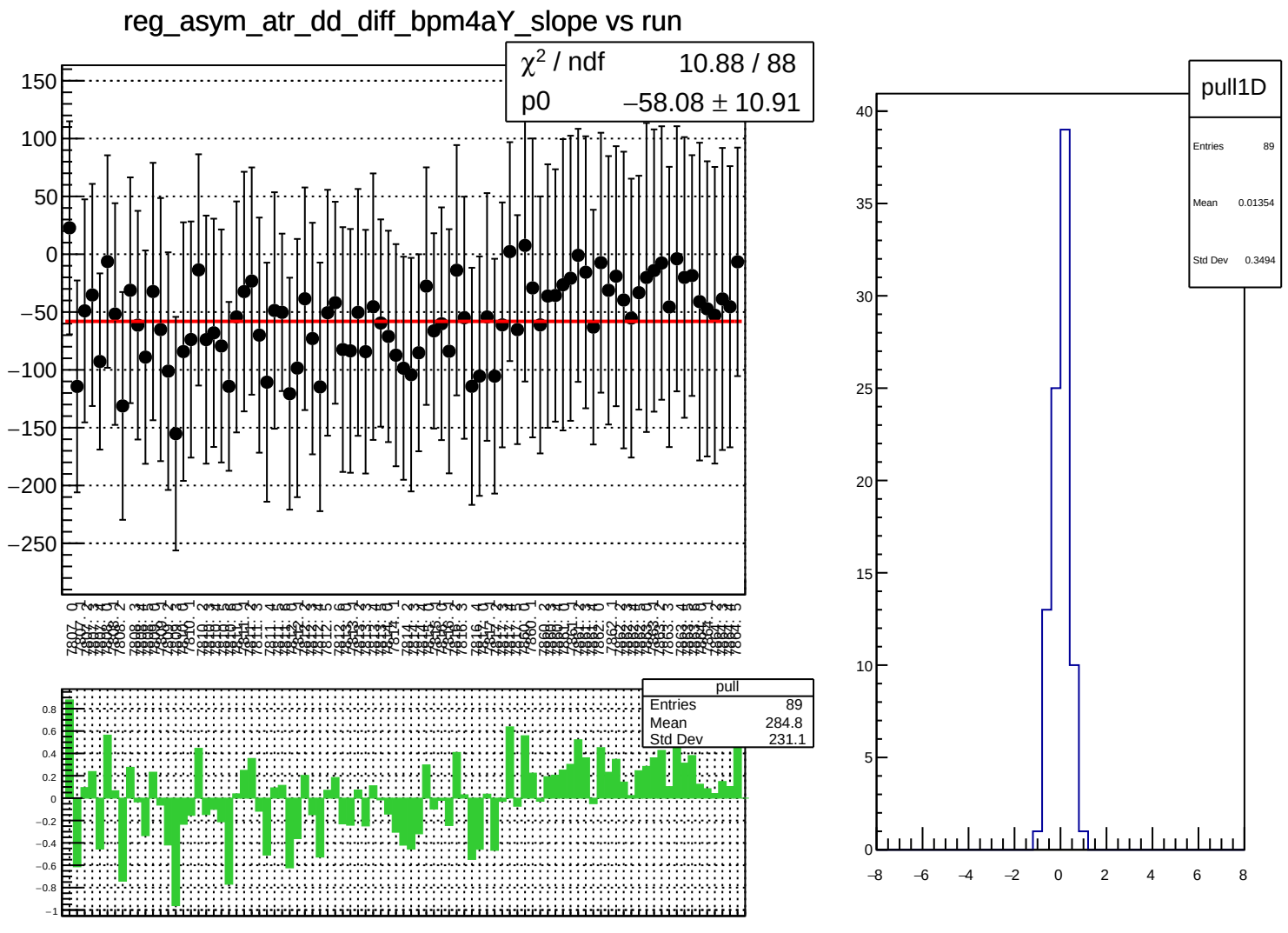

pull1D
Entries 89
Mean 0.005282
Std Dev 0.2823
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

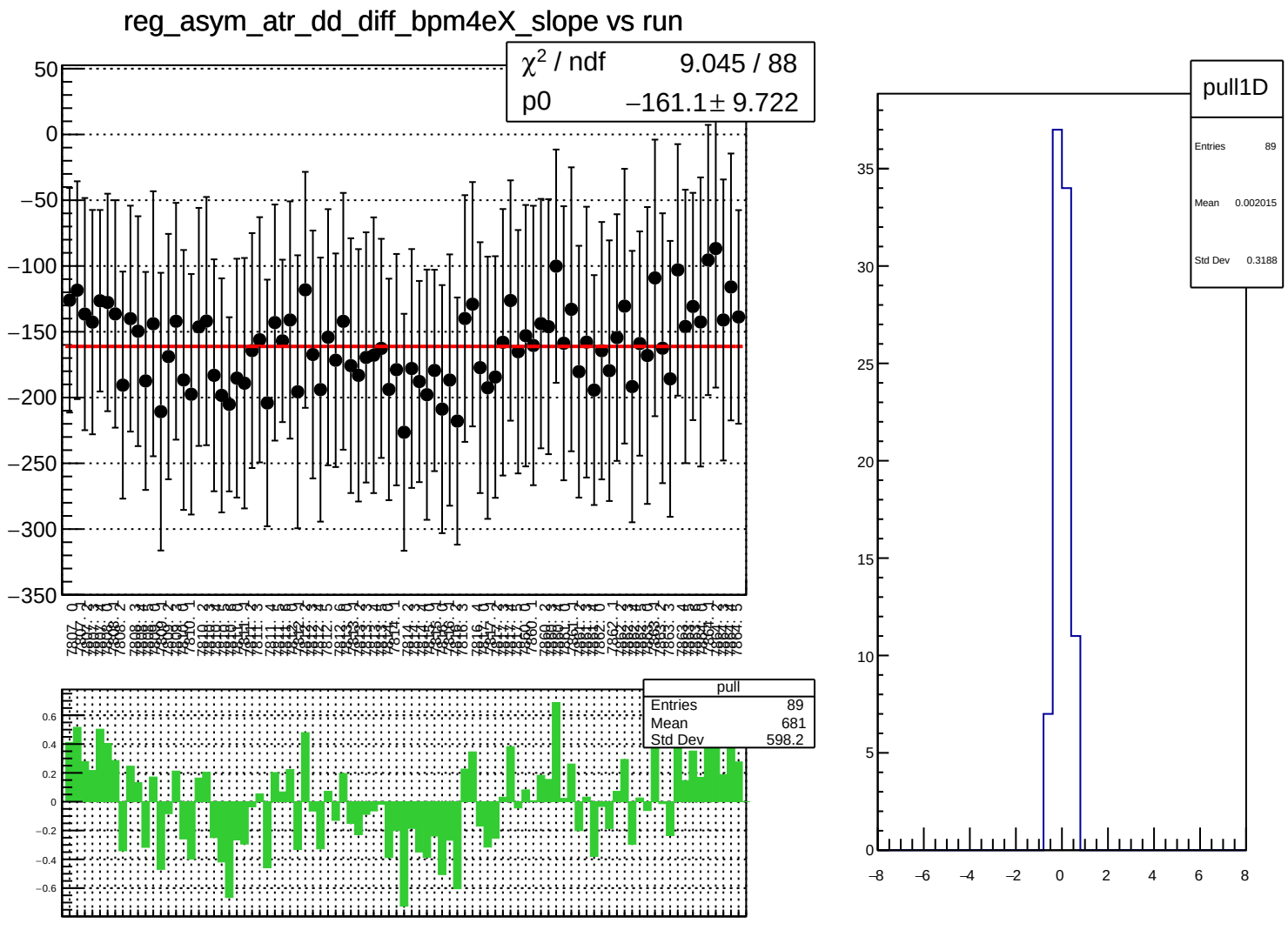

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 23.44 / 88
p0 −178.6 ± 0.4257
−165
−170
−175
−180
−185
pull
Entries 89
Mean 82.87
Std Dev 77.5
1
0.5
0
−0.5
−1

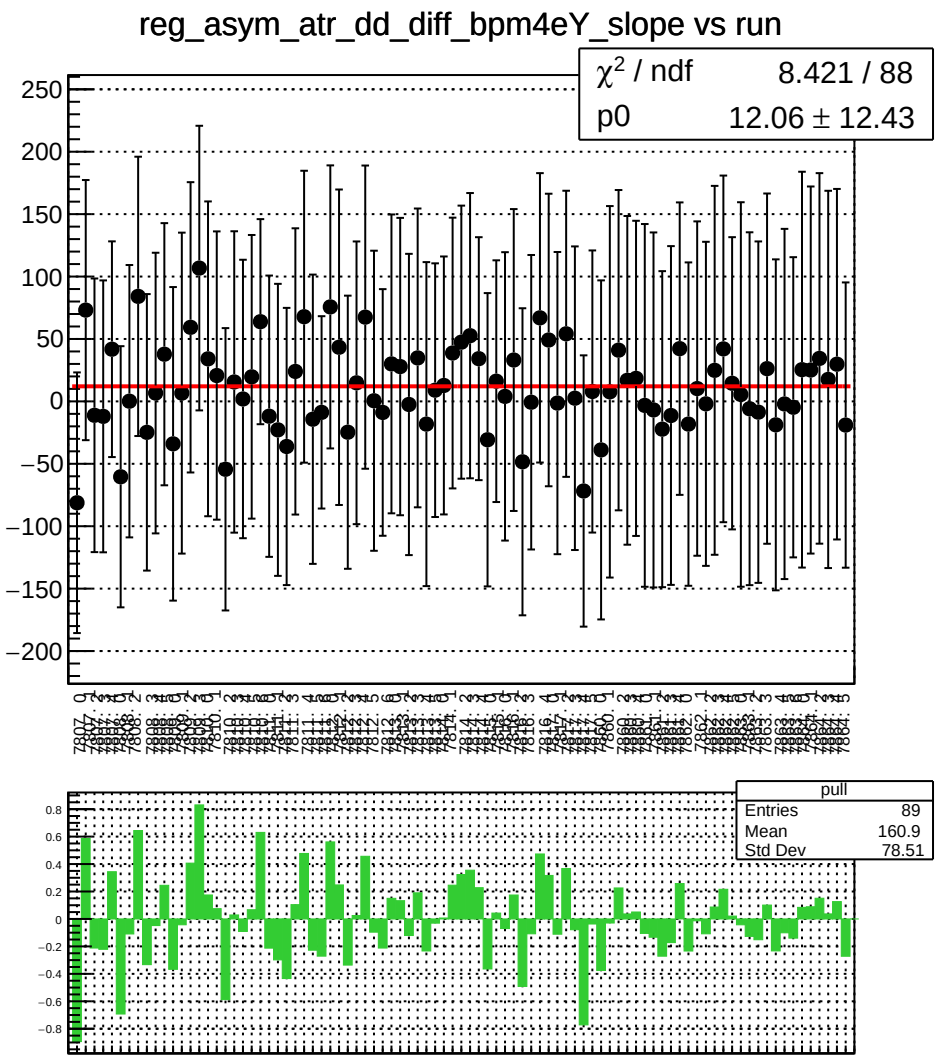

pull1D
Entries 89
Mean 0.02004
Std Dev 0.5128
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

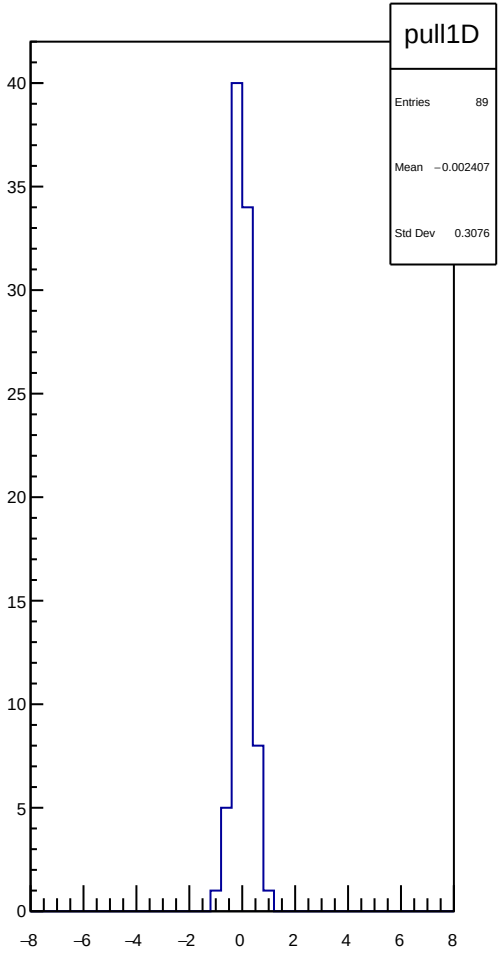

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 8.433 / 88
p0 83.79 ± 10.75
pull
Entries 89
Mean 225.2
Std Dev 96.07

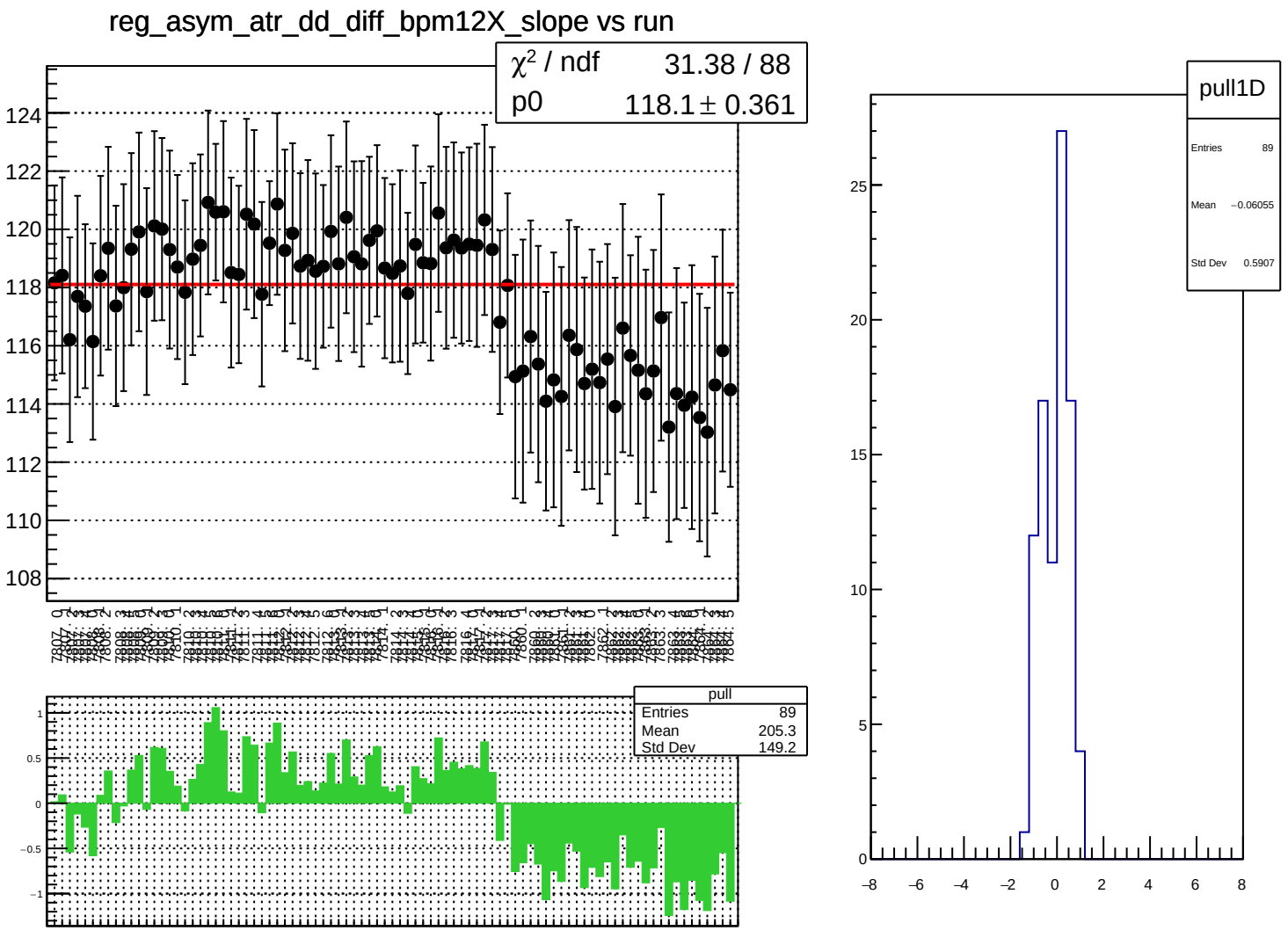

pull1D
Entries 89
Mean −0.00375
Std Dev 0.3078

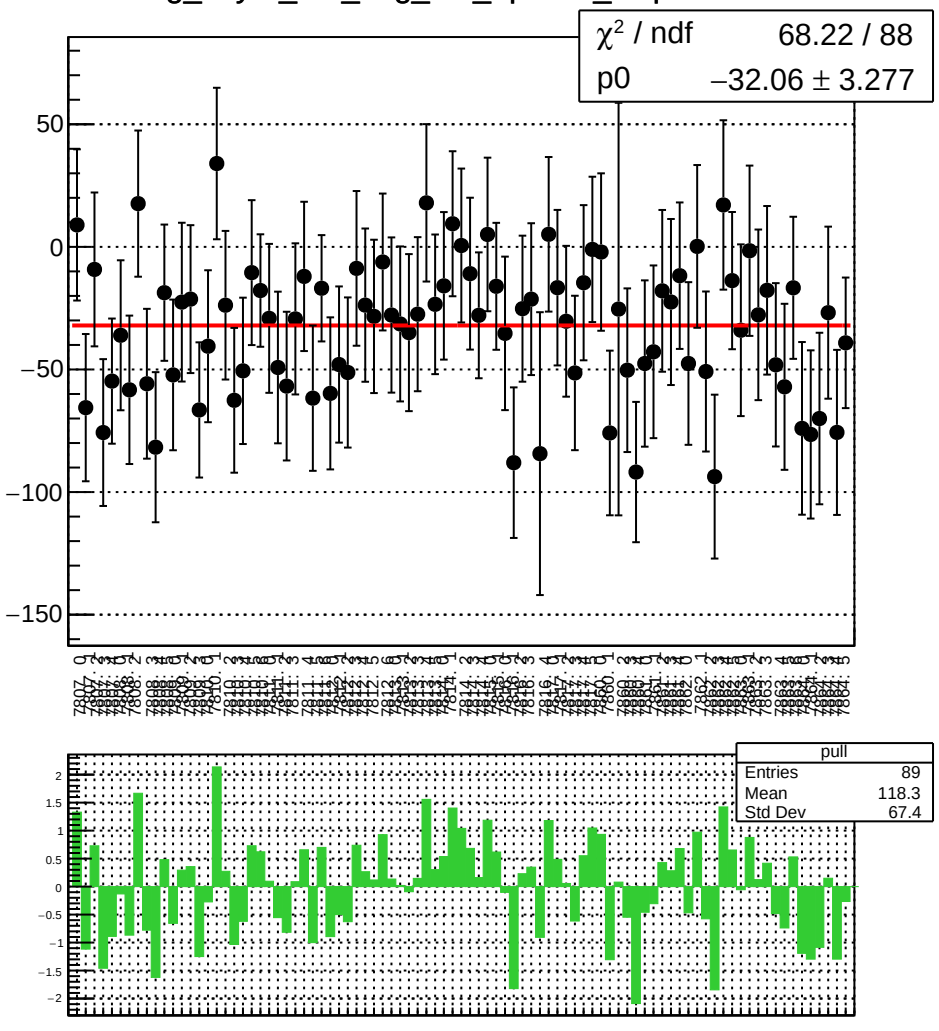

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.88 / 88
p0 −58.08 ± 10.91
pull
Entries 89
Mean 284.8
Std Dev 231.1
pull1D
Entries 89
Mean 0.01354
Std Dev 0.3494

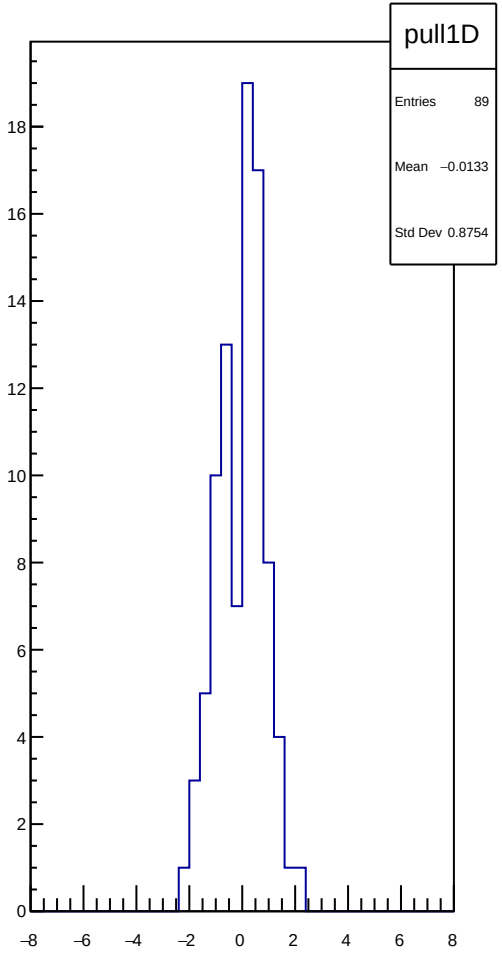

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.045 / 88
p0 −161.1± 9.722
pull
Entries 89
Mean 681
Std Dev 598.2
pull1D
Entries 89
Mean 0.002015
Std Dev 0.3188

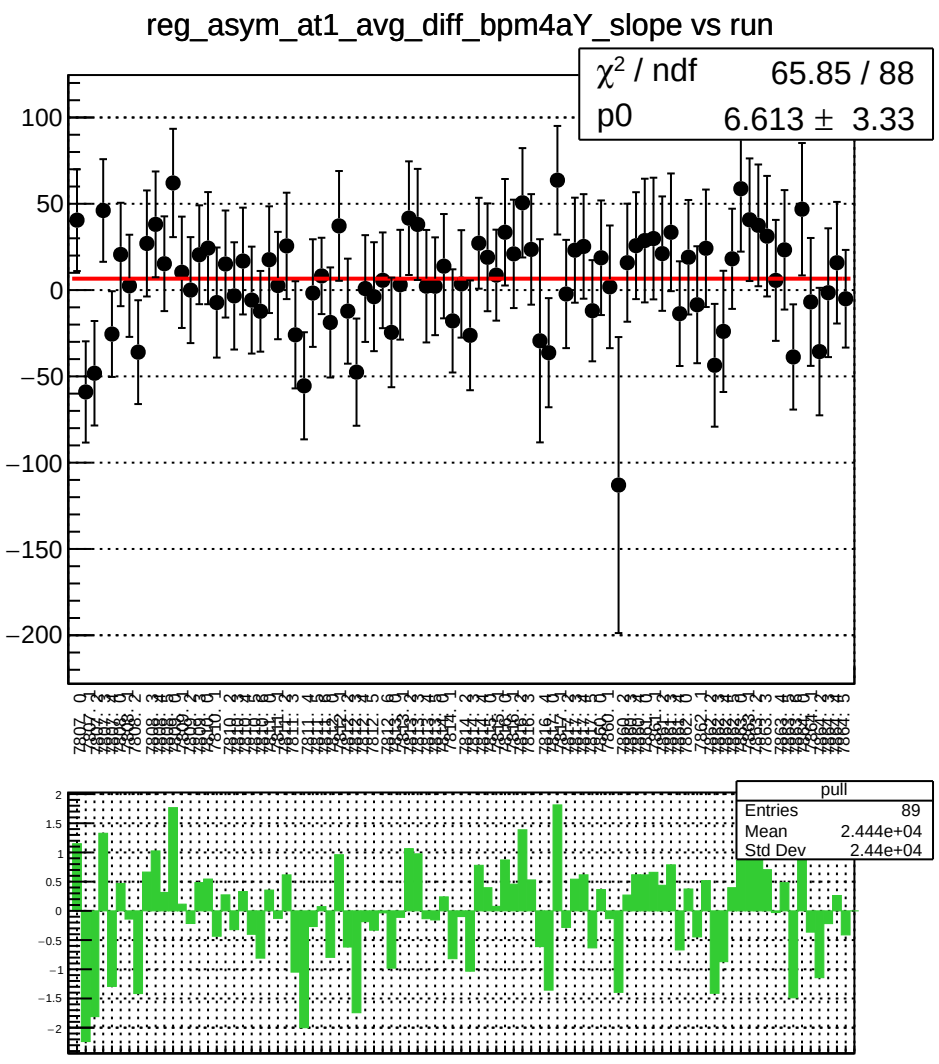

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.421 / 88
p0 12.06 ± 12.43
pull
Entries 89
Mean 160.9
Std Dev 78.51

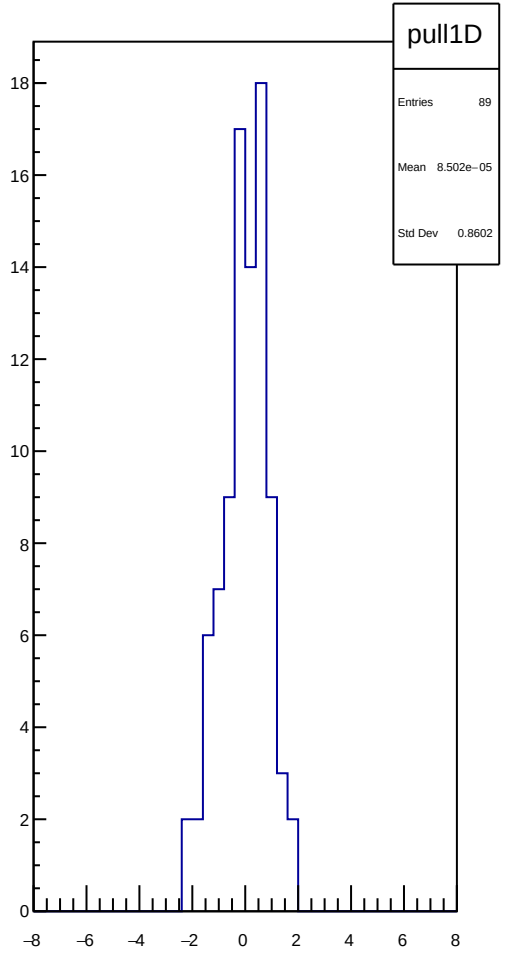

pull1D
Entries 89
Mean −0.002407
Std Dev 0.3076

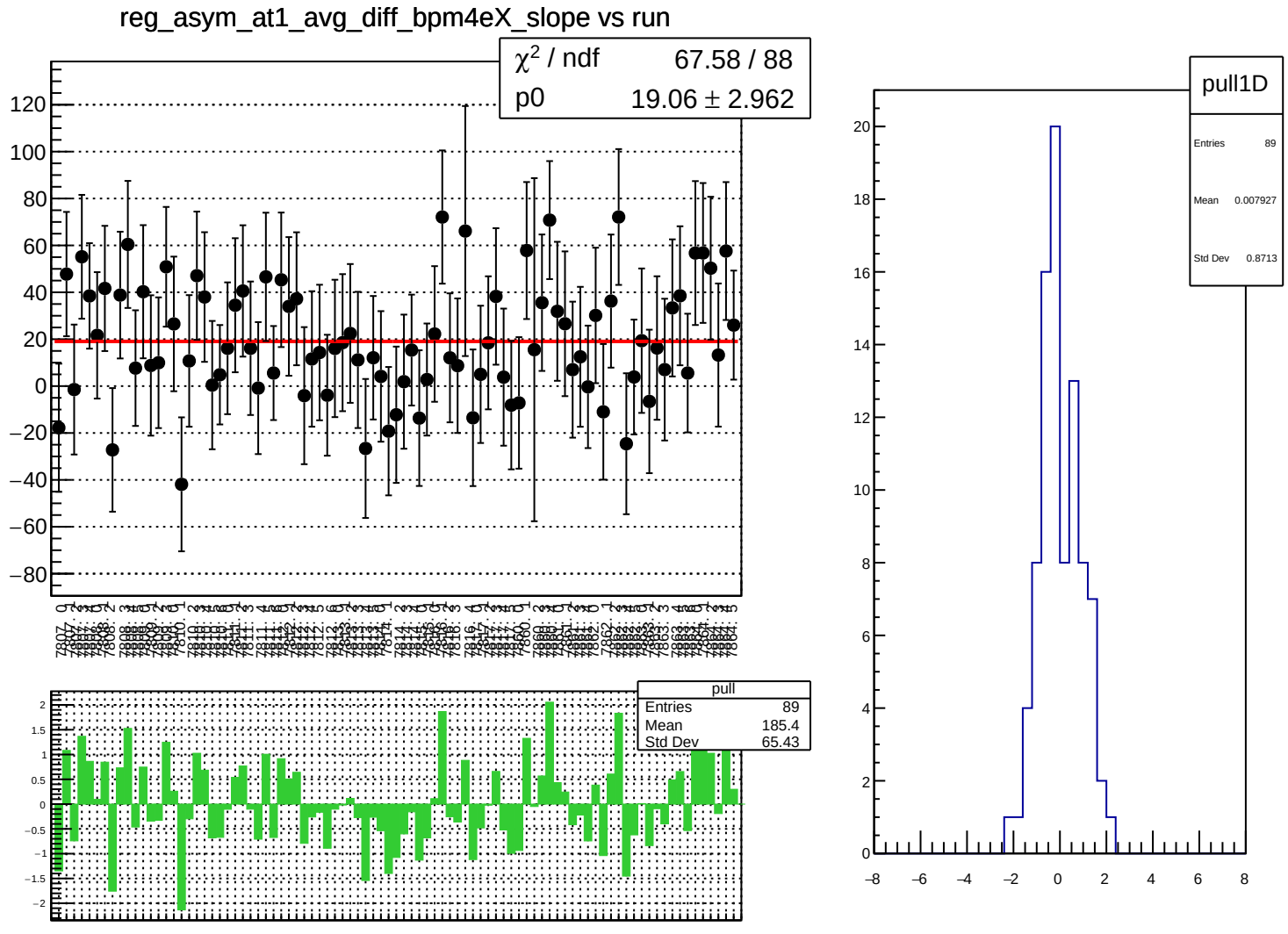

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 31.38 / 88
p0 118.1 ± 0.361
124
122
120
118
116
114
112
110
108
pull
Entries 89
Mean 205.3
Std Dev 149.2
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean −0.06055
Std Dev 0.5907
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

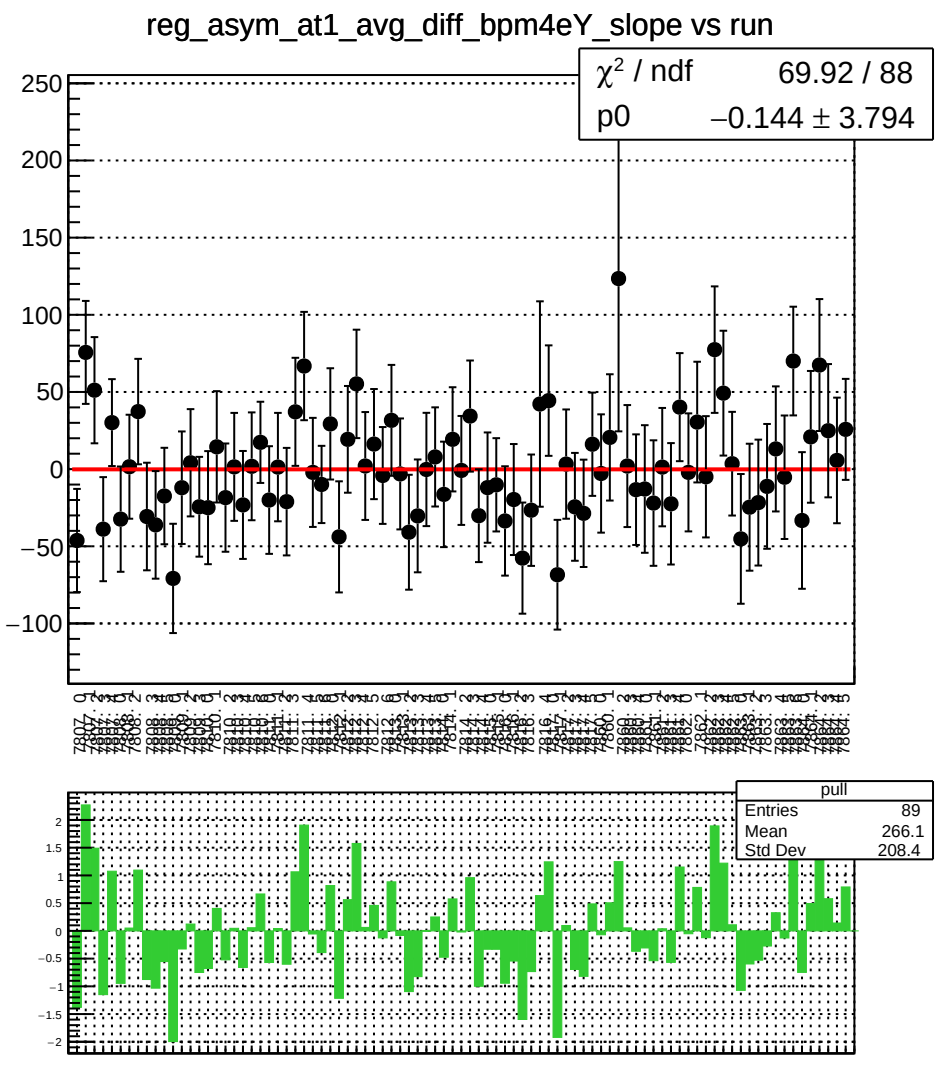

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 68.22 / 88
p0 −32.06 ± 3.277
pull
Entries 89
Mean 118.3
Std Dev 67.4

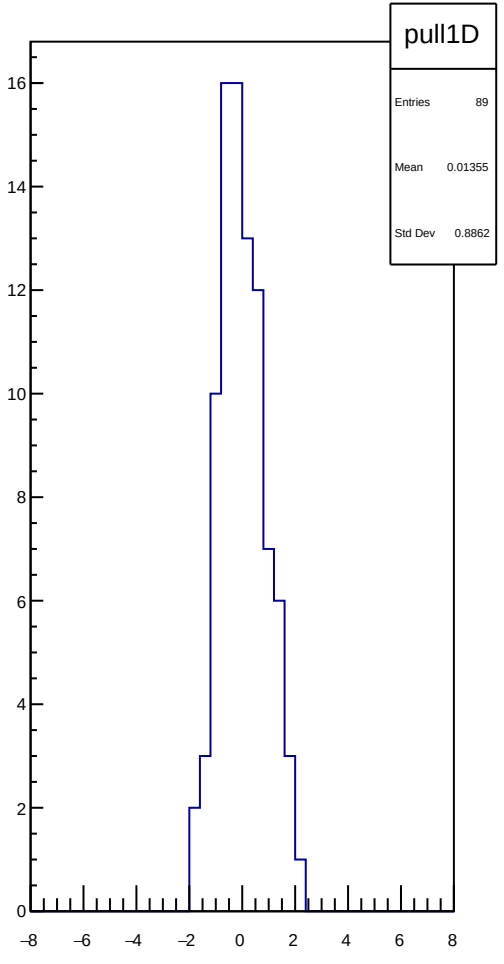

pull1D
Entries 89
Mean −0.0133
Std Dev 0.8754

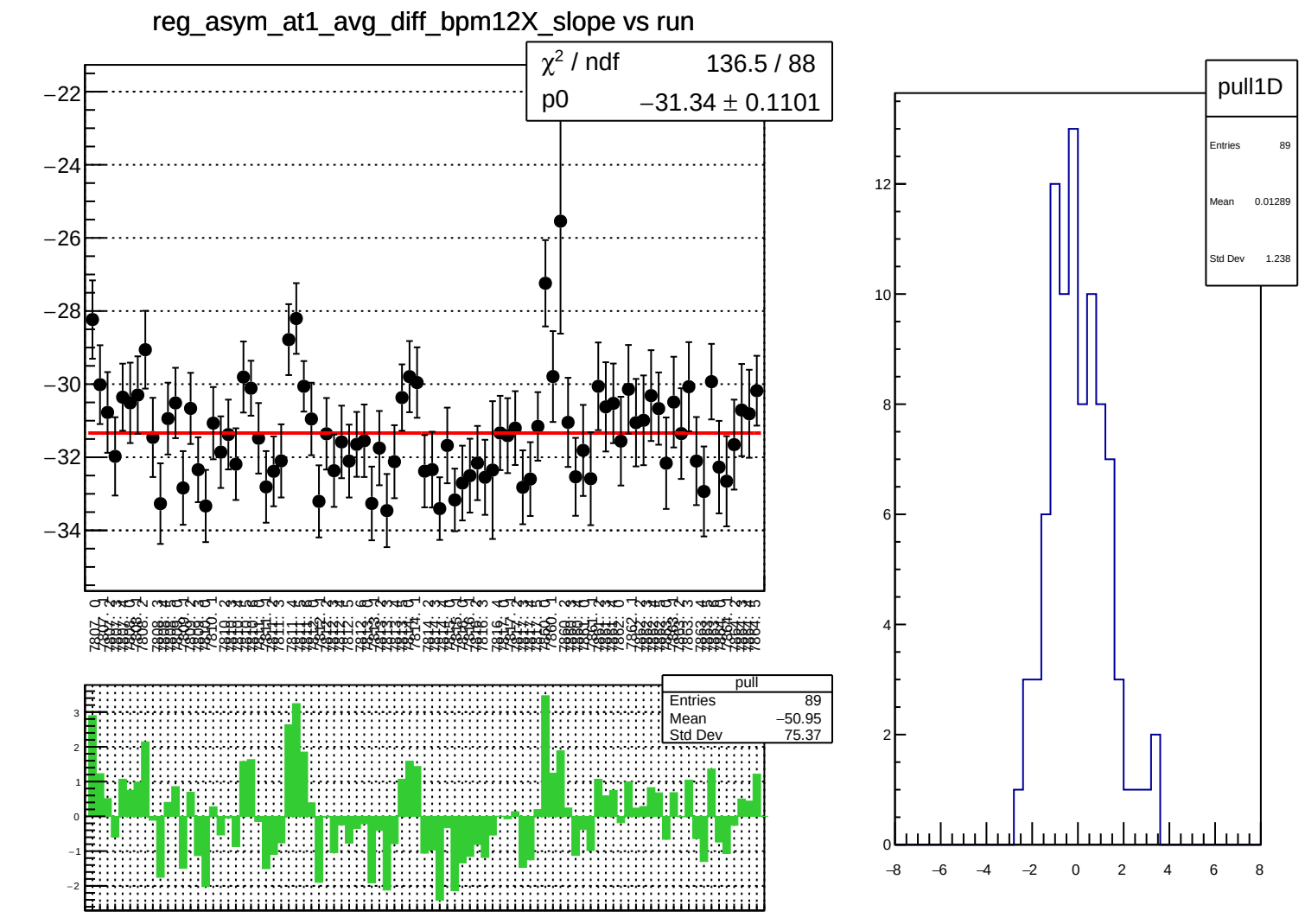

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 65.85 / 88
p0 6.613 ± 3.33
pull
Entries 89
Mean 2.444e+04
Std Dev 2.44e+04

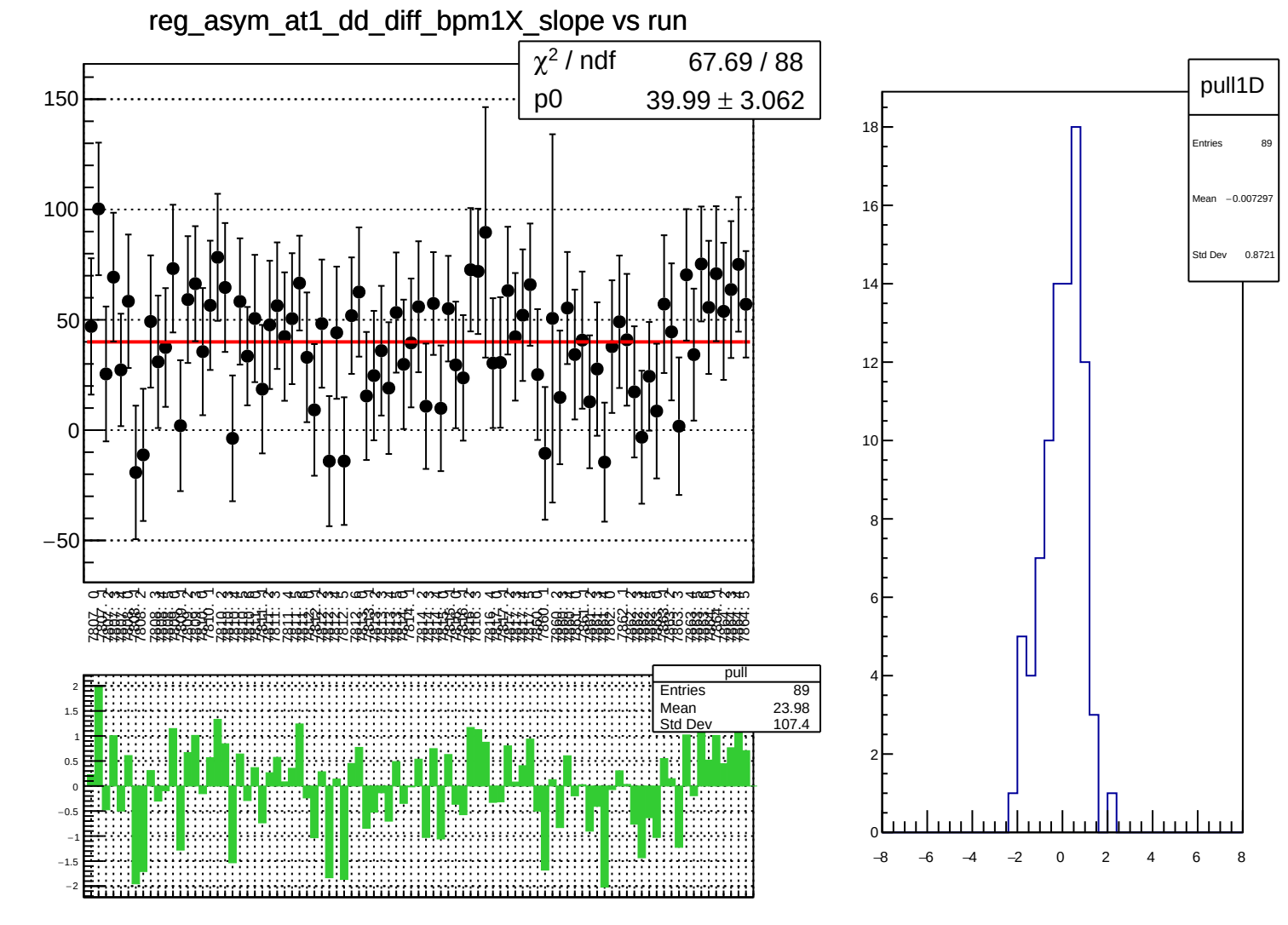

pull1D
Entries 89
Mean 8.502e−05
Std Dev 0.8602

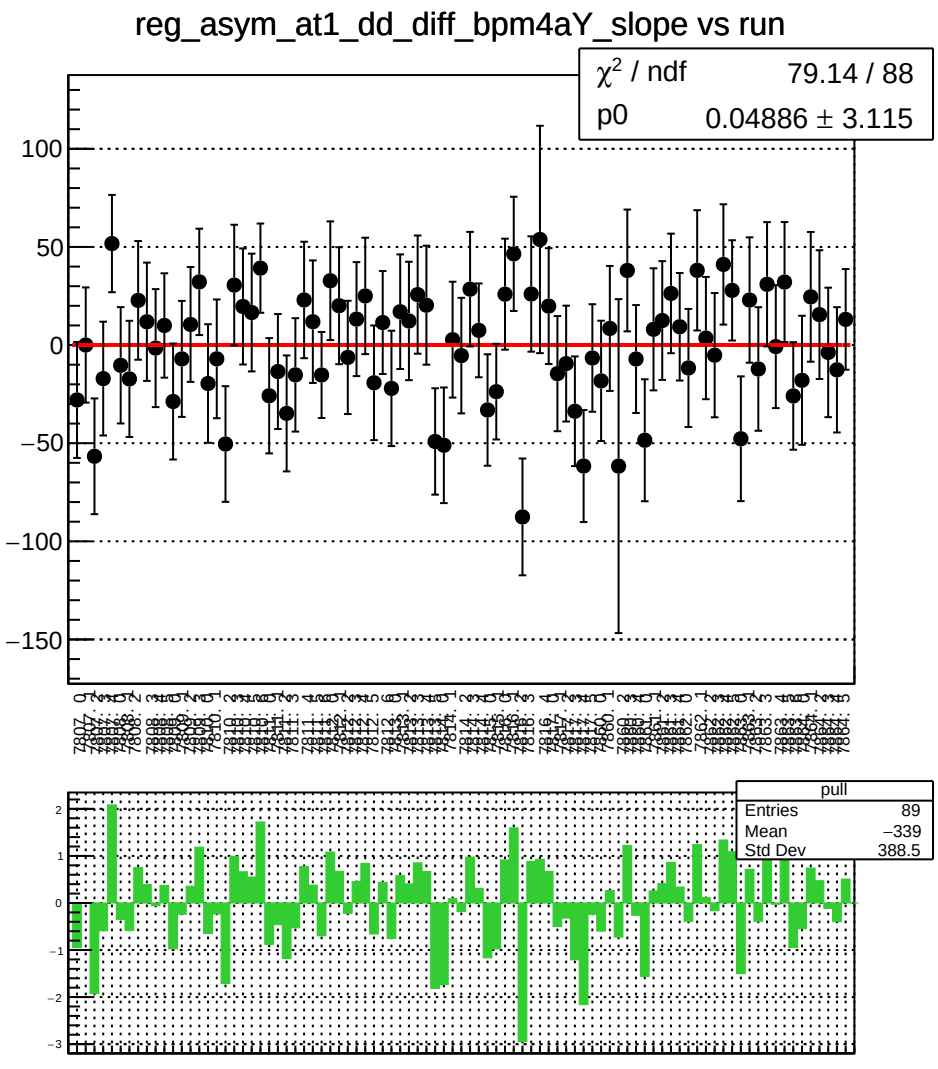

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.58 / 88
p0 19.06 ± 2.962
pull
Entries 89
Mean 185.4
Std Dev 65.43
pull1D
Entries 89
Mean 0.007927
Std Dev 0.8713

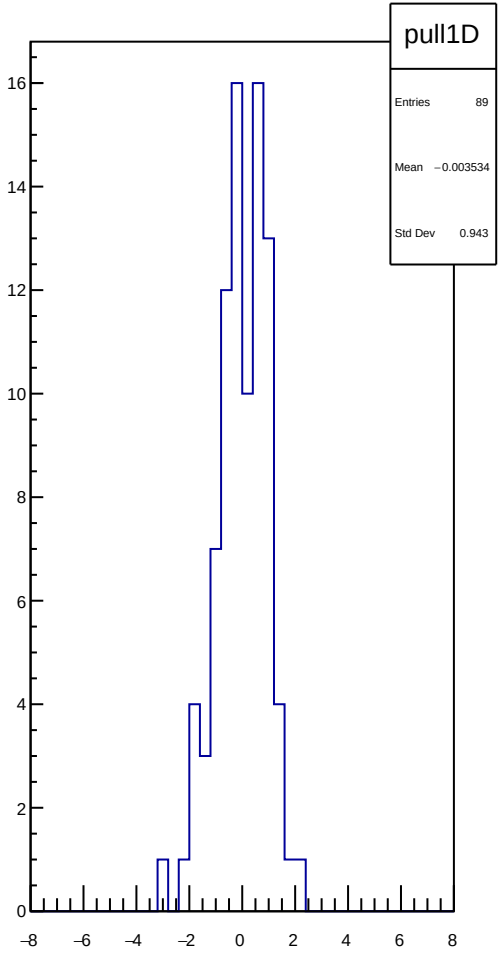

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.92 / 88
p0 −0.144 ± 3.794
250
200
150
100
50
0
−50
−100
pull
Entries 89
Mean 266.1
Std Dev 208.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

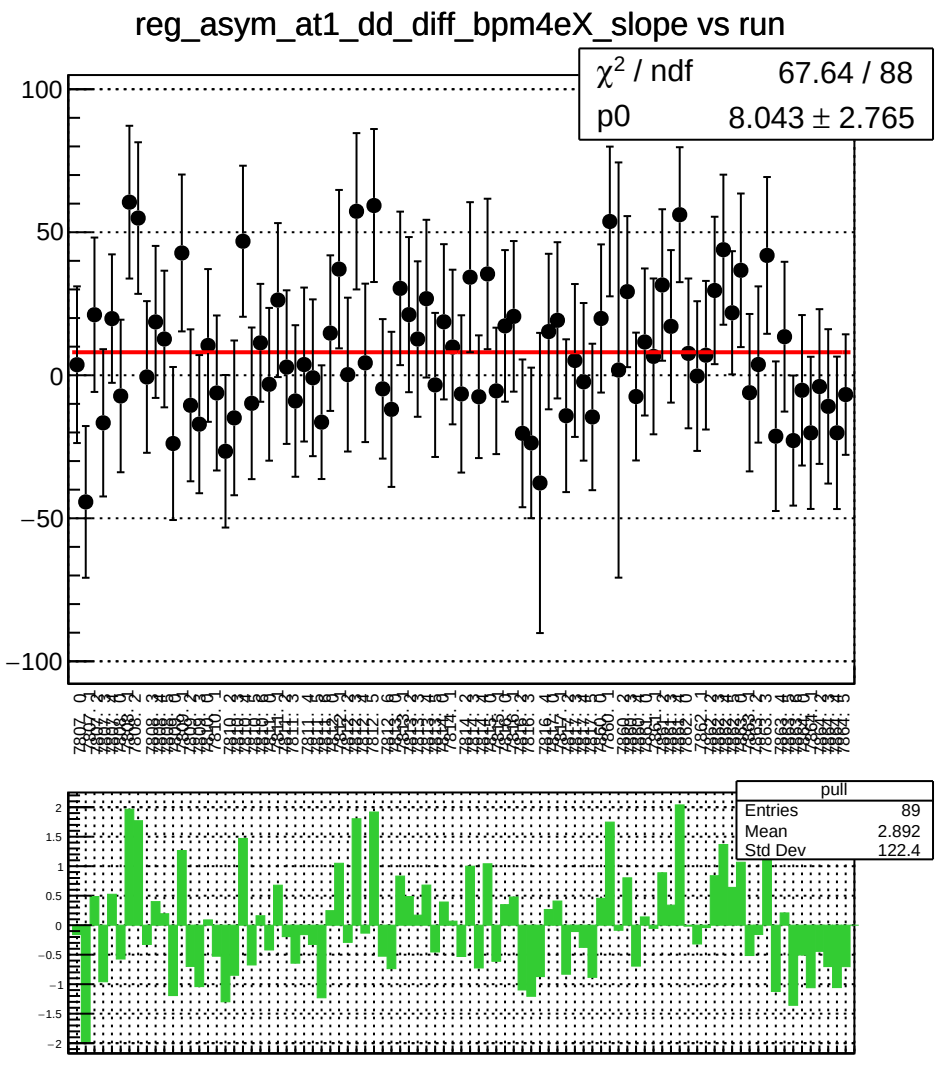

pull1D
Entries 89
Mean 0.01355
Std Dev 0.8862
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

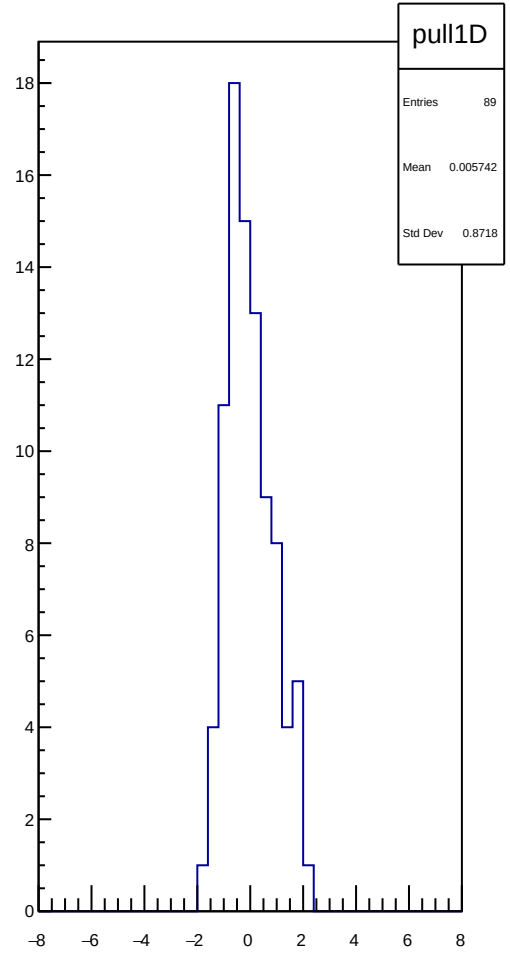

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 136.5 / 88
p0 −31.34 ± 0.1101
pull
Entries 89
Mean −50.95
Std Dev 75.37
pull1D
Entries 89
Mean 0.01289
Std Dev 1.238

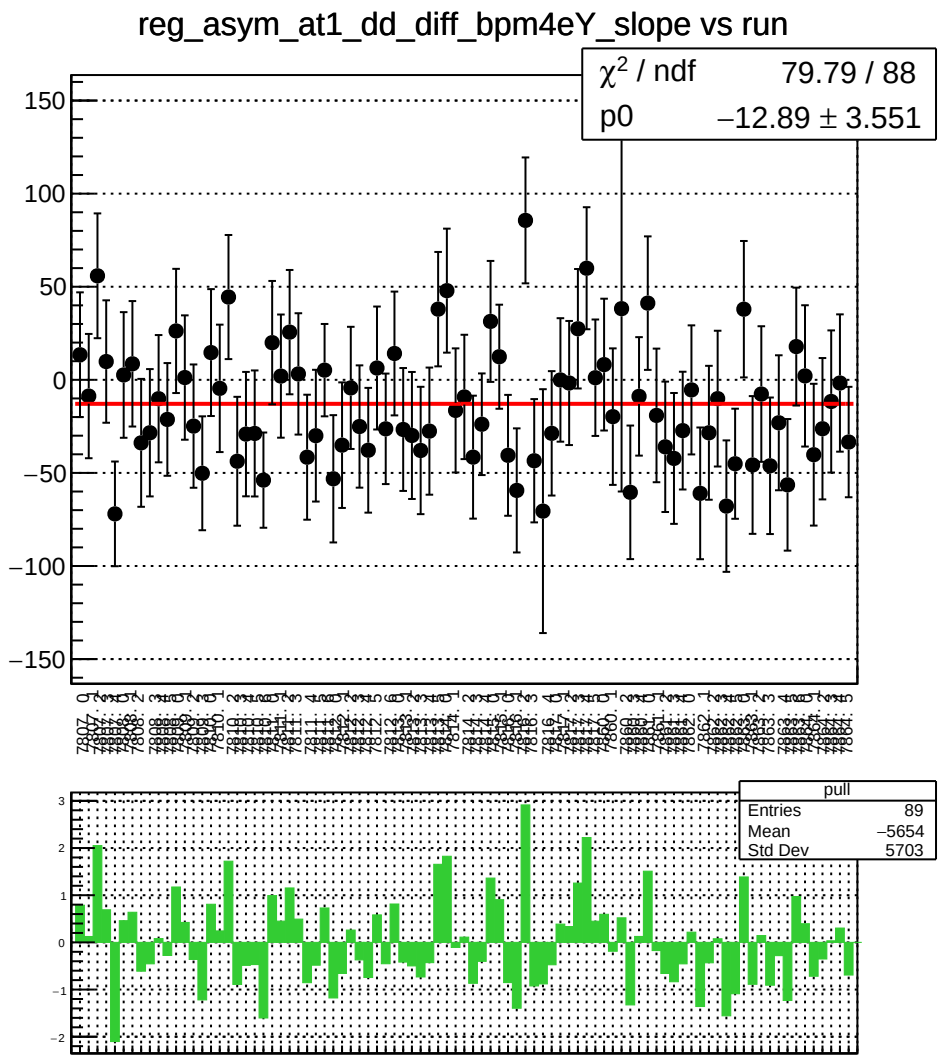

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 67.69 / 88
p0 39.99 ± 3.062
150
100
50
0
−50
pull
Entries 89
Mean 23.98
Std Dev 107.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean −0.007297
Std Dev 0.8721
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

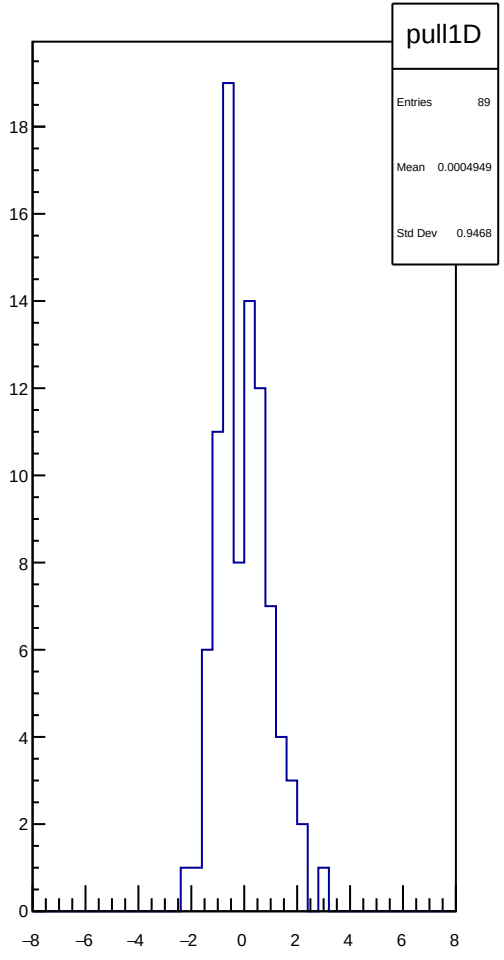

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.14 / 88
p0 0.04886 ± 3.115
pull
Entries 89
Mean −339
Std Dev 388.5

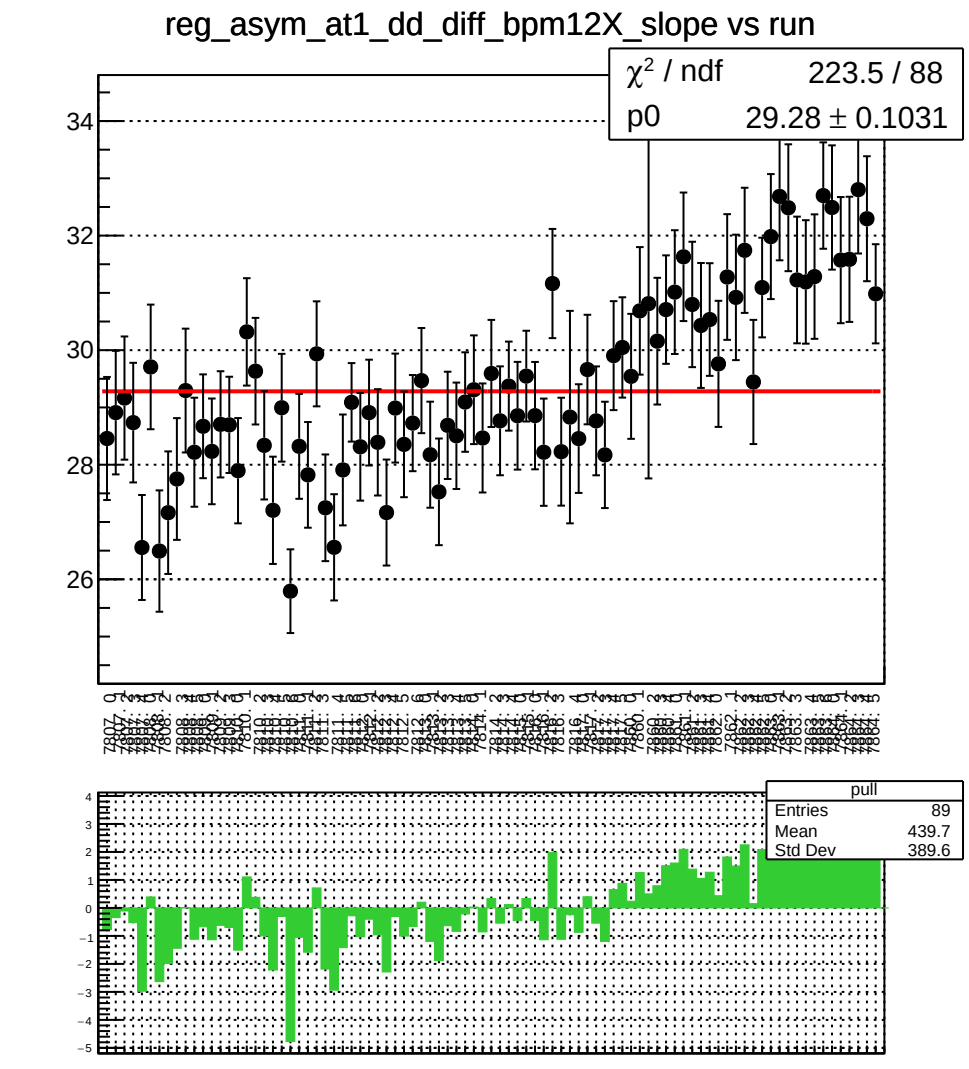

pull1D
Entries 89
Mean −0.003534
Std Dev 0.943

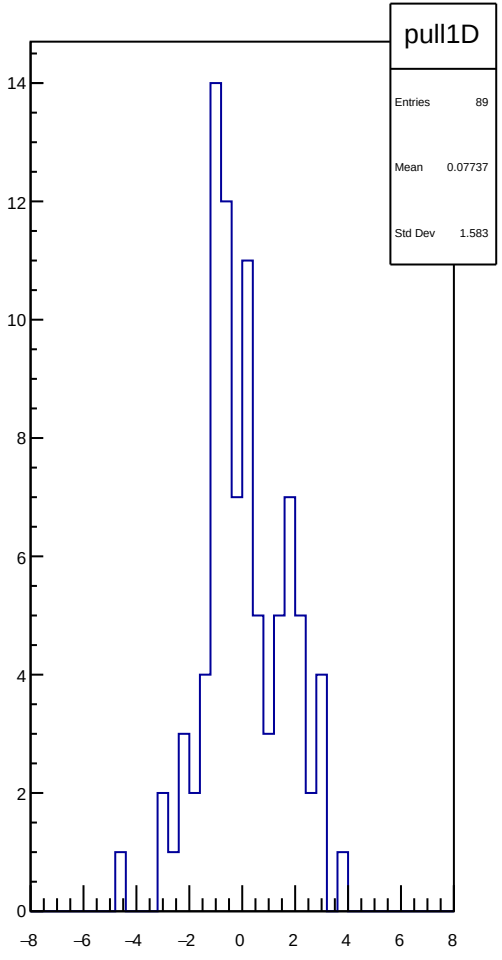

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.64 / 88
p0 8.043 ± 2.765
pull
Entries 89
Mean 2.892
Std Dev 122.4

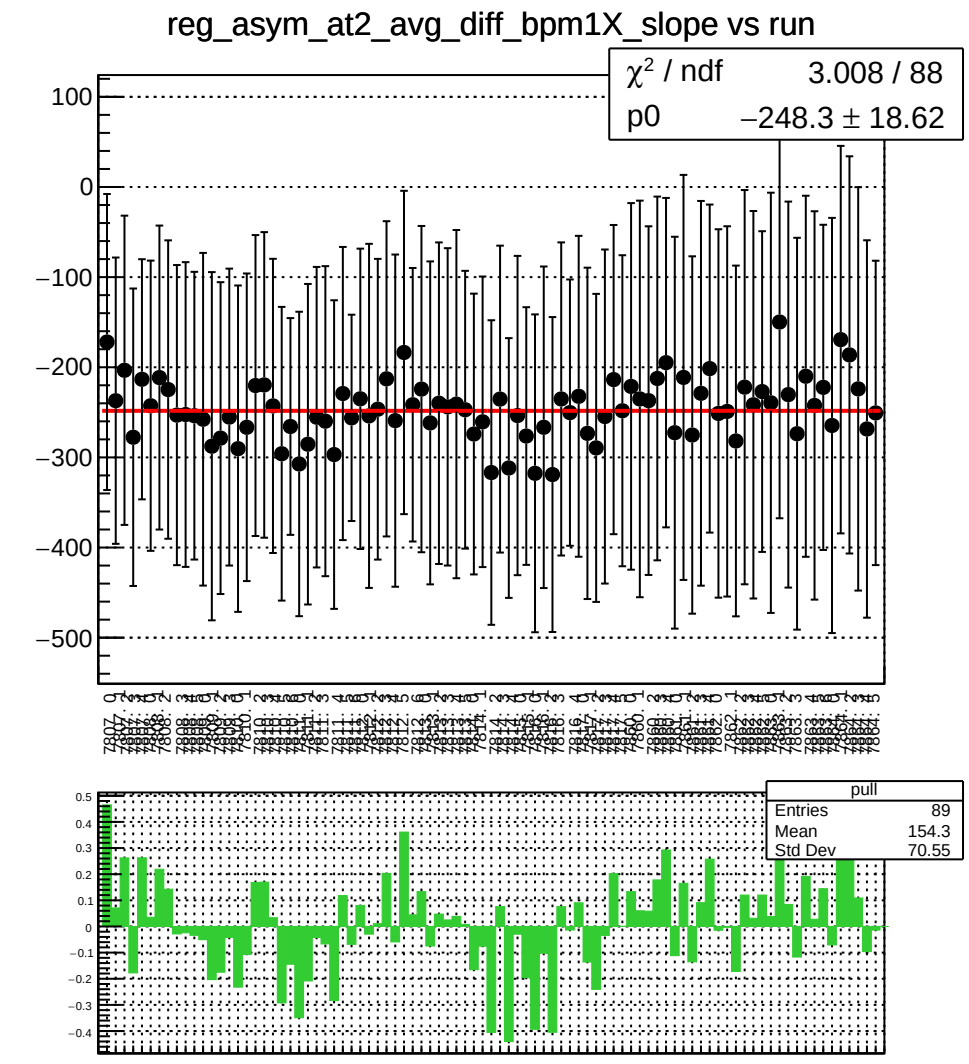

pull1D
Entries 89
Mean 0.005742
Std Dev 0.8718

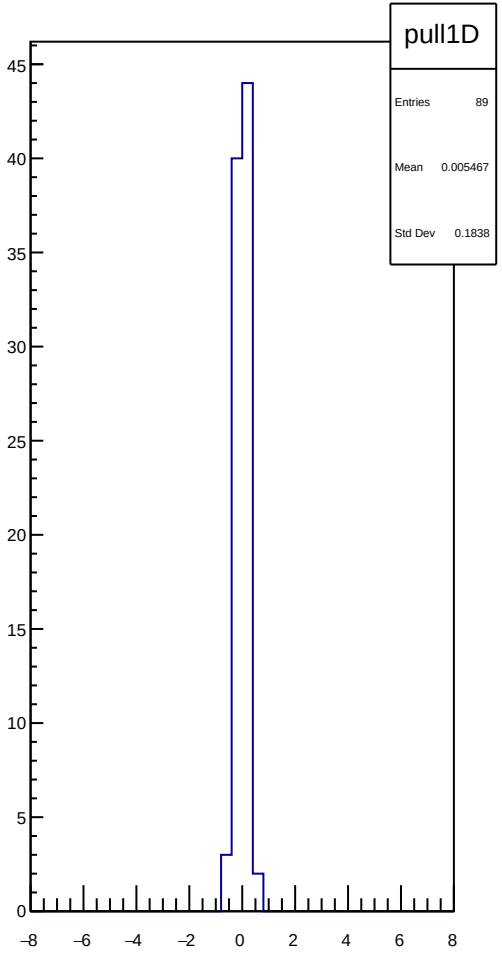

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.79 / 88
p0 −12.89 ± 3.551
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −5654
Std Dev 5703
3
2
1
0
−1
−2

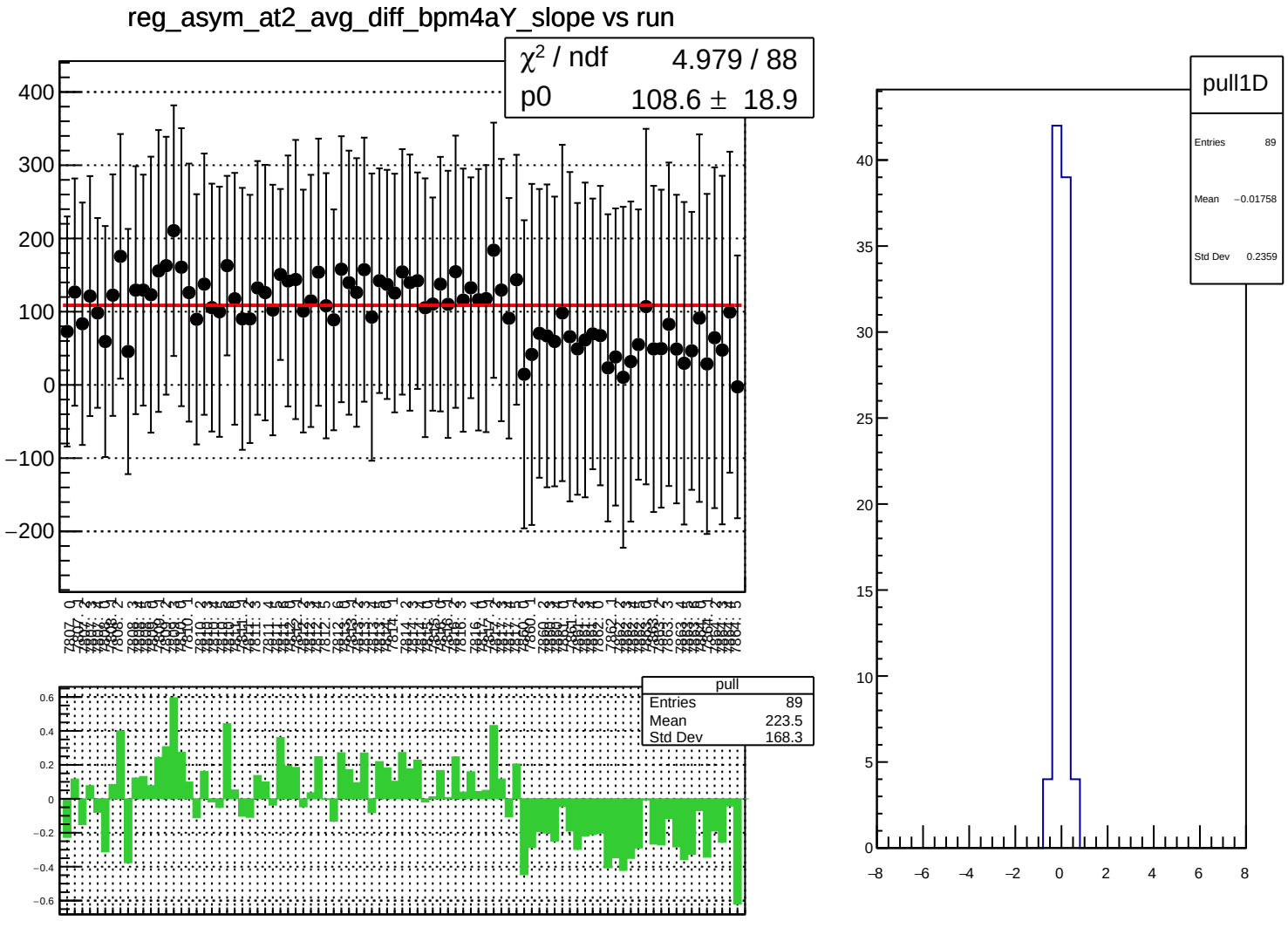

pull1D
Entries 89
Mean 0.0004949
Std Dev 0.9468
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

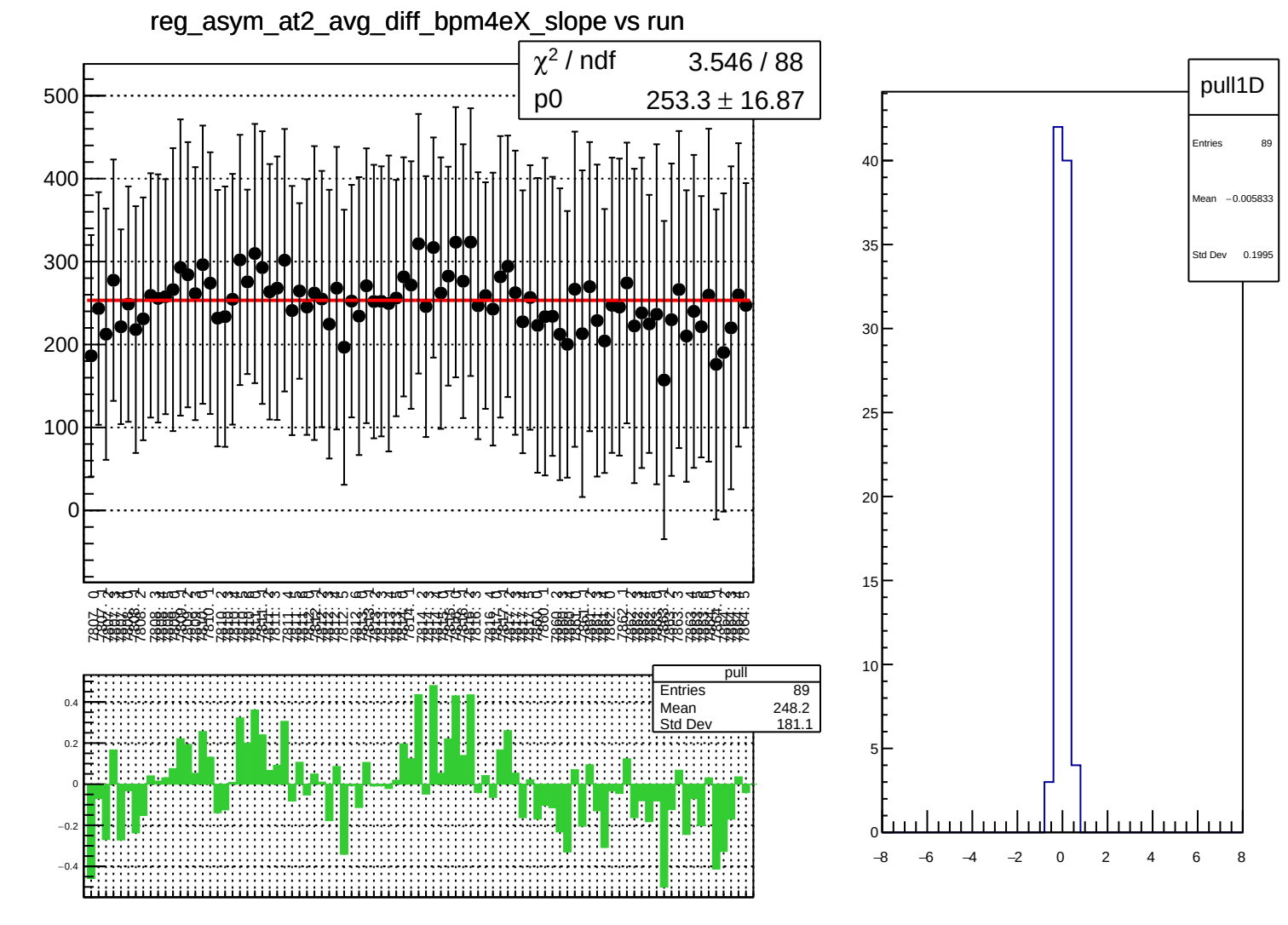

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 223.5 / 88
p0 29.28 ± 0.1031
pull
Entries 89
Mean 439.7
Std Dev 389.6

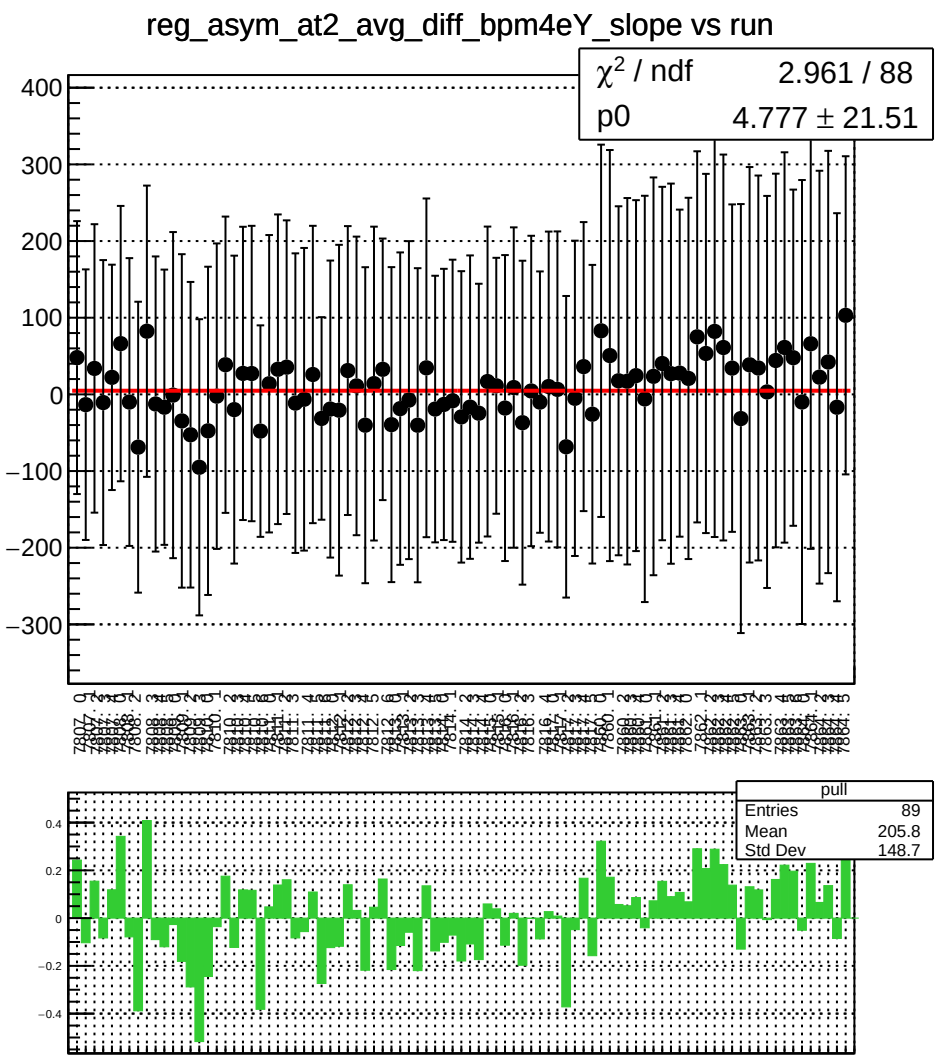

pull1D
Entries 89
Mean 0.07737
Std Dev 1.583

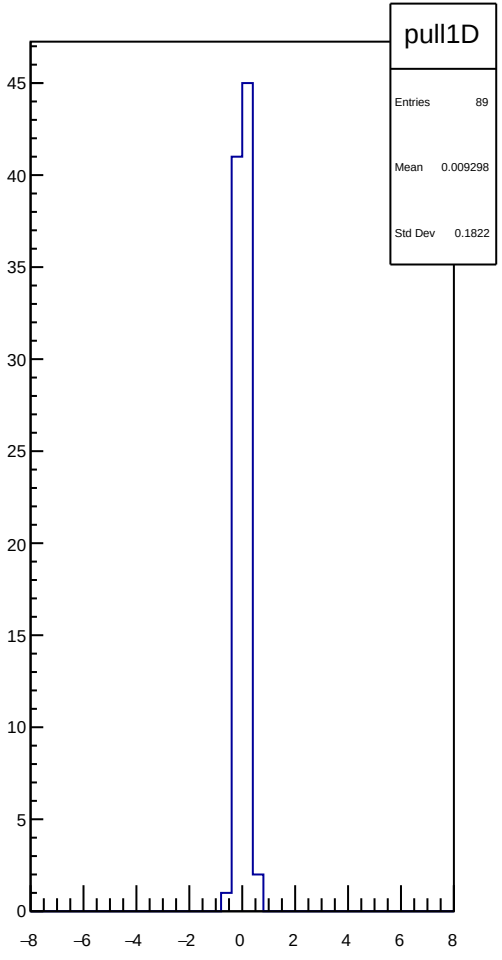

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 3.008 / 88
p0 −248.3 ± 18.62
pull
Entries 89
Mean 154.3
Std Dev 70.55

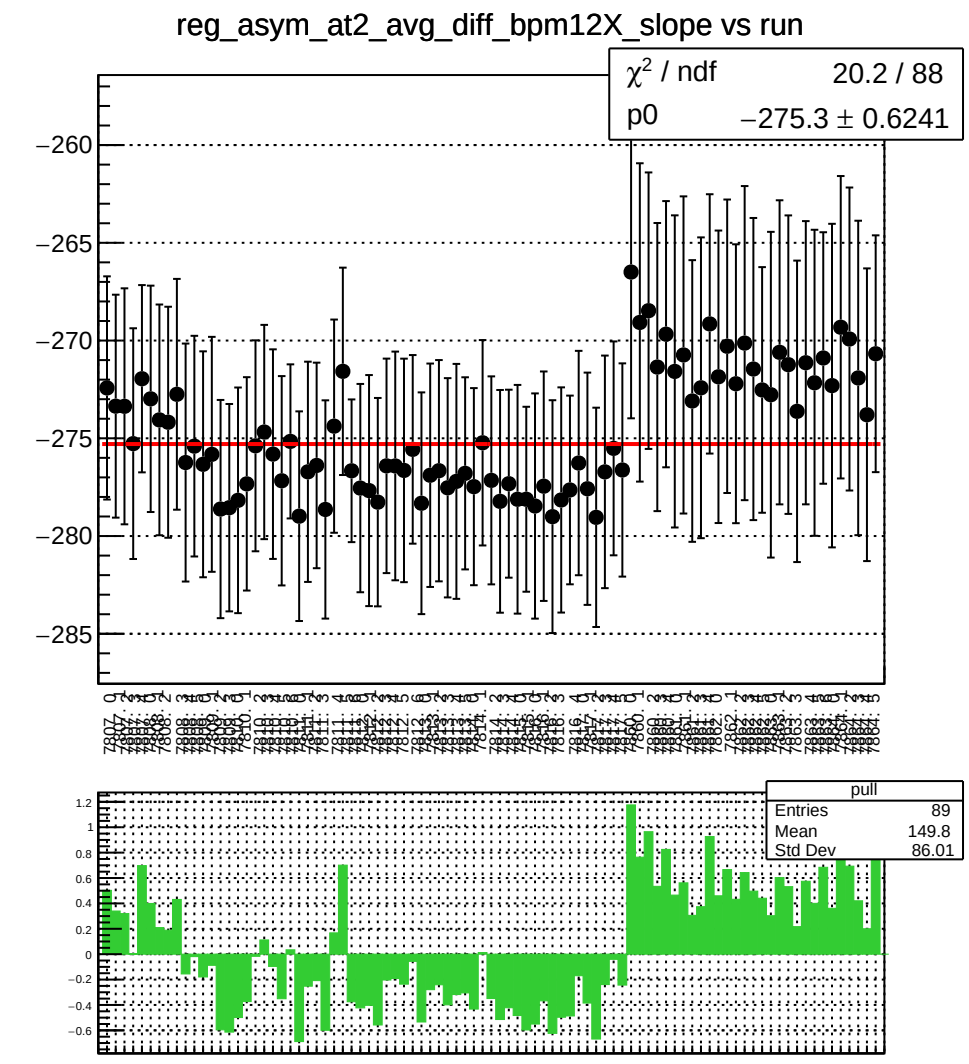

pull1D
Entries 89
Mean 0.005467
Std Dev 0.1838

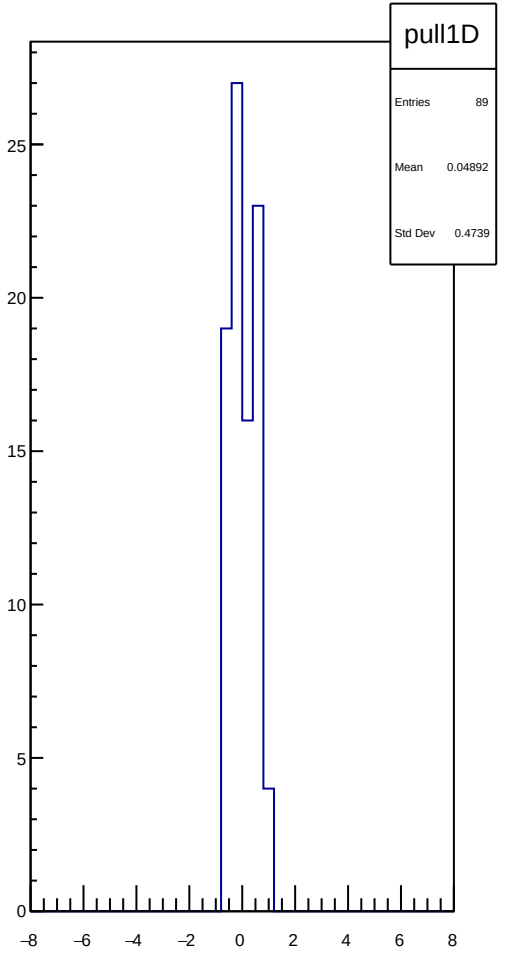

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.979 / 88
p0 108.6 ± 18.9
pull
Entries 89
Mean 223.5
Std Dev 168.3
pull1D
Entries 89
Mean −0.01758
Std Dev 0.2359

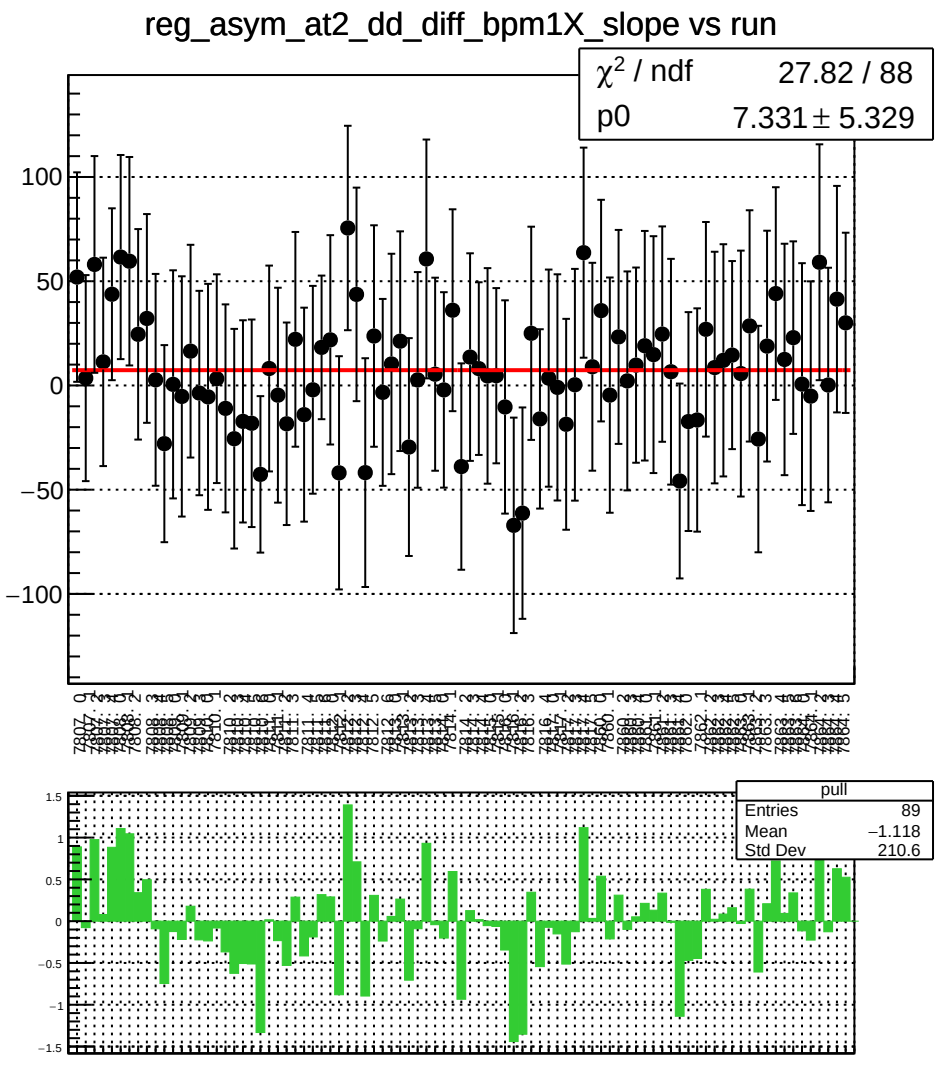

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.546 / 88
p0 253.3 ± 16.87
500
400
300
200
100
0
pull
Entries 89
Mean 248.2
Std Dev 181.1
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 89
Mean −0.005833
Std Dev 0.1995
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

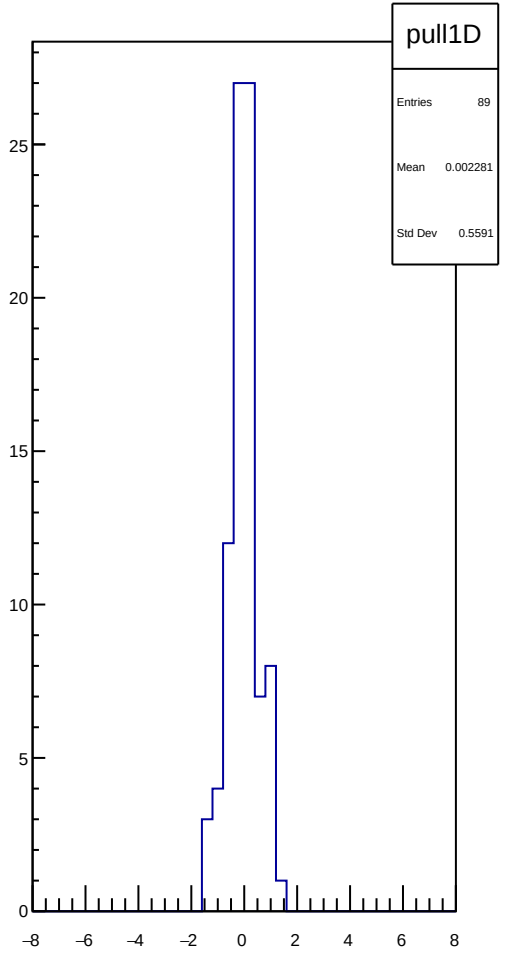

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.961 / 88
p0 4.777 ± 21.51
pull
Entries 89
Mean 205.8
Std Dev 148.7

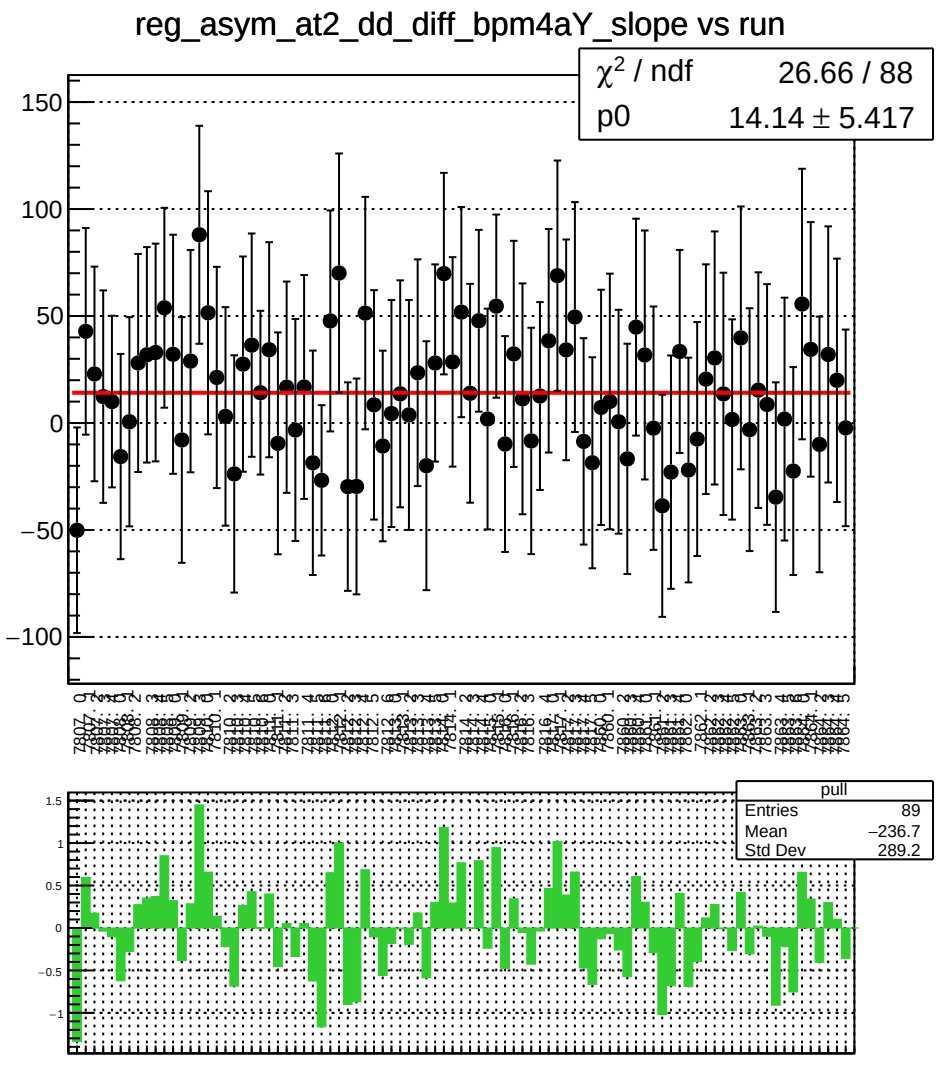

pull1D
Entries 89
Mean 0.009298
Std Dev 0.1822

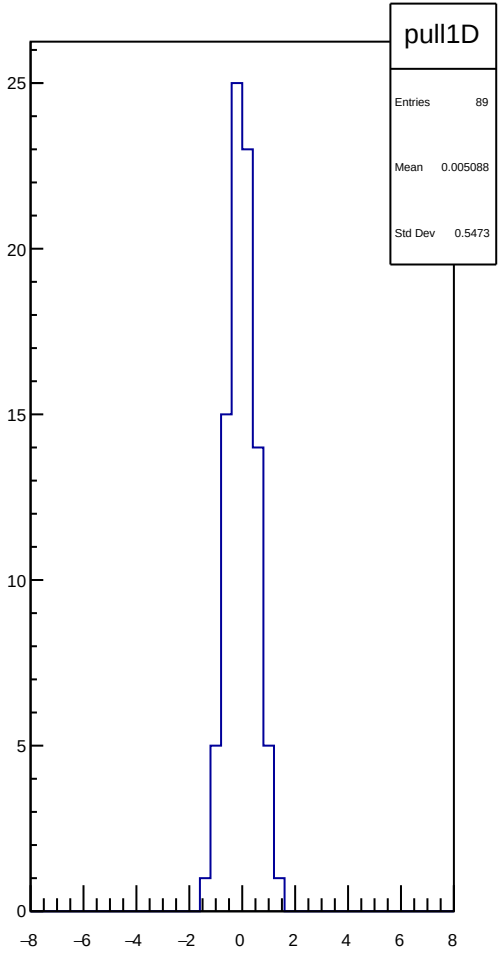

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 20.2 / 88
p0 −275.3 ± 0.6241
−260
−265
−270
−275
−280
−285
pull
Entries 89
Mean 149.8
Std Dev 86.01
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

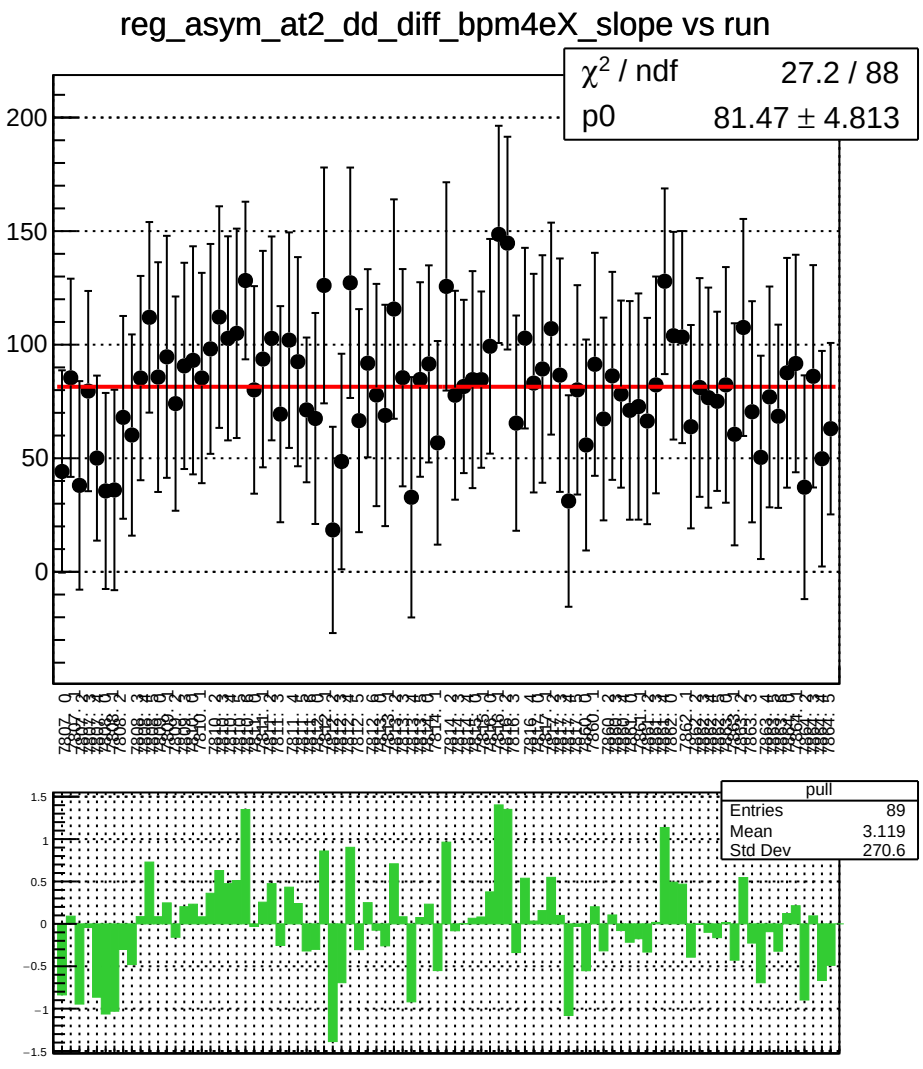

pull1D
Entries 89
Mean 0.04892
Std Dev 0.4739
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

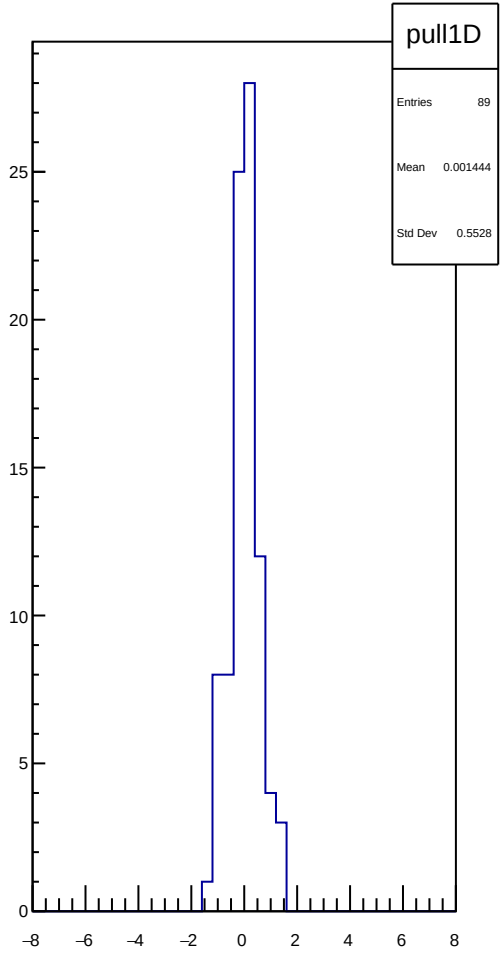

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 27.82 / 88
p0 7.331 ± 5.329
100
50
0
−50
−100
pull
Entries 89
Mean −1.118
Std Dev 210.6
1.5
1
0.5
0
−0.5
−1
−1.5

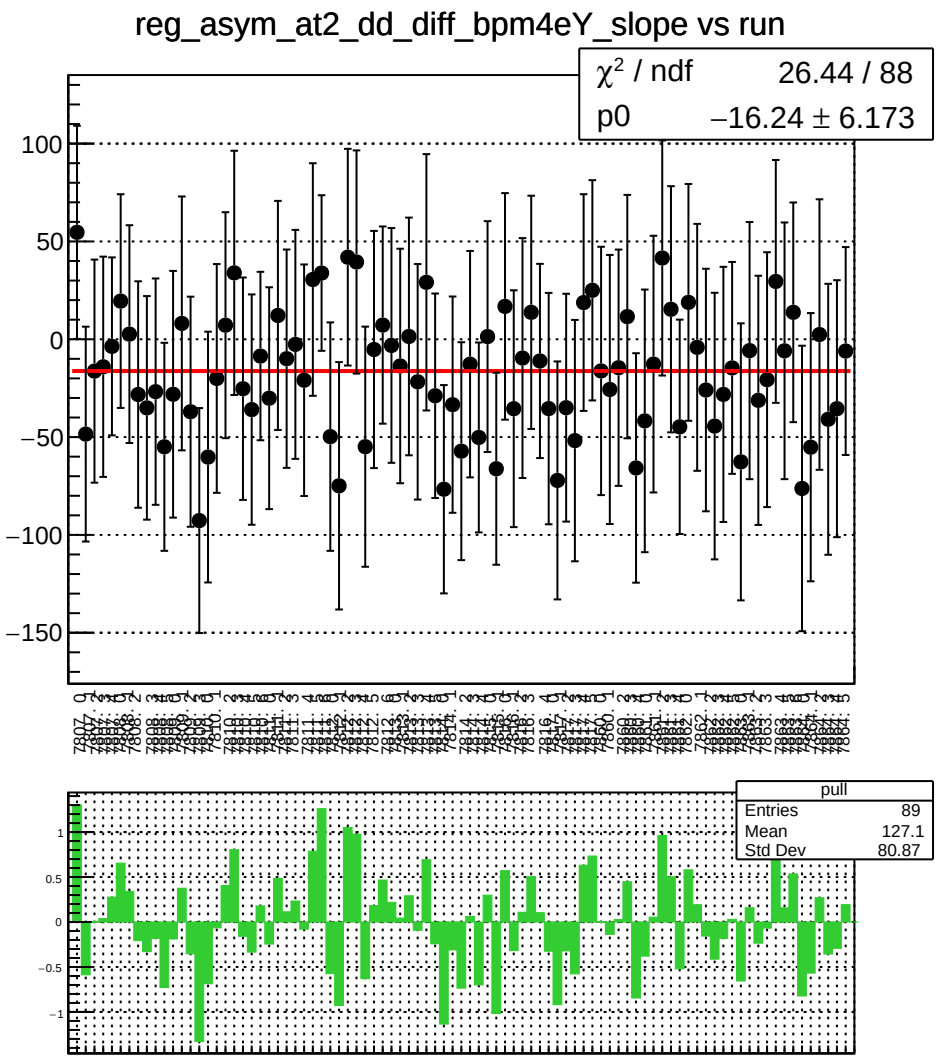

pull1D
Entries 89
Mean 0.002281
Std Dev 0.5591
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

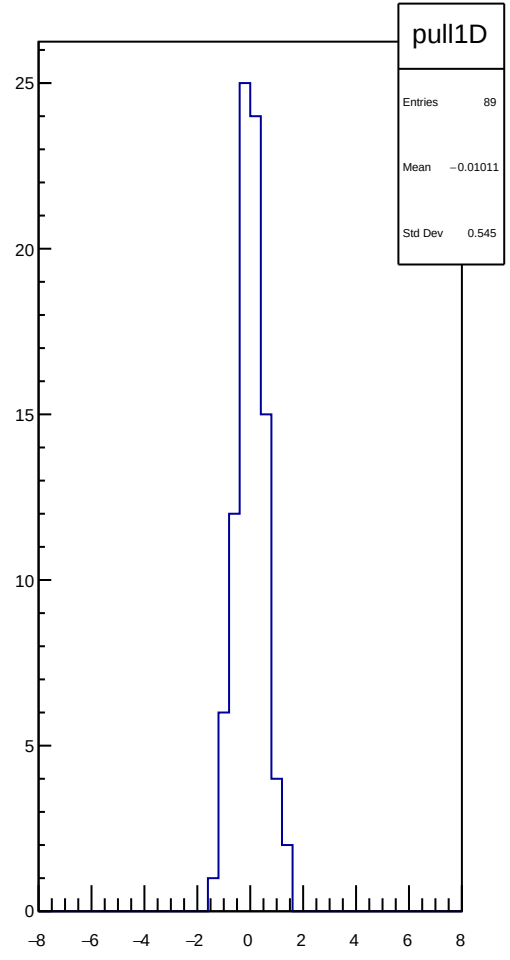

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.66 / 88
p0 14.14 ± 5.417
150
100
50
0
−50
−100
pull
Entries 89
Mean −236.7
Std Dev 289.2
1.5
1
0.5
0
−0.5
−1

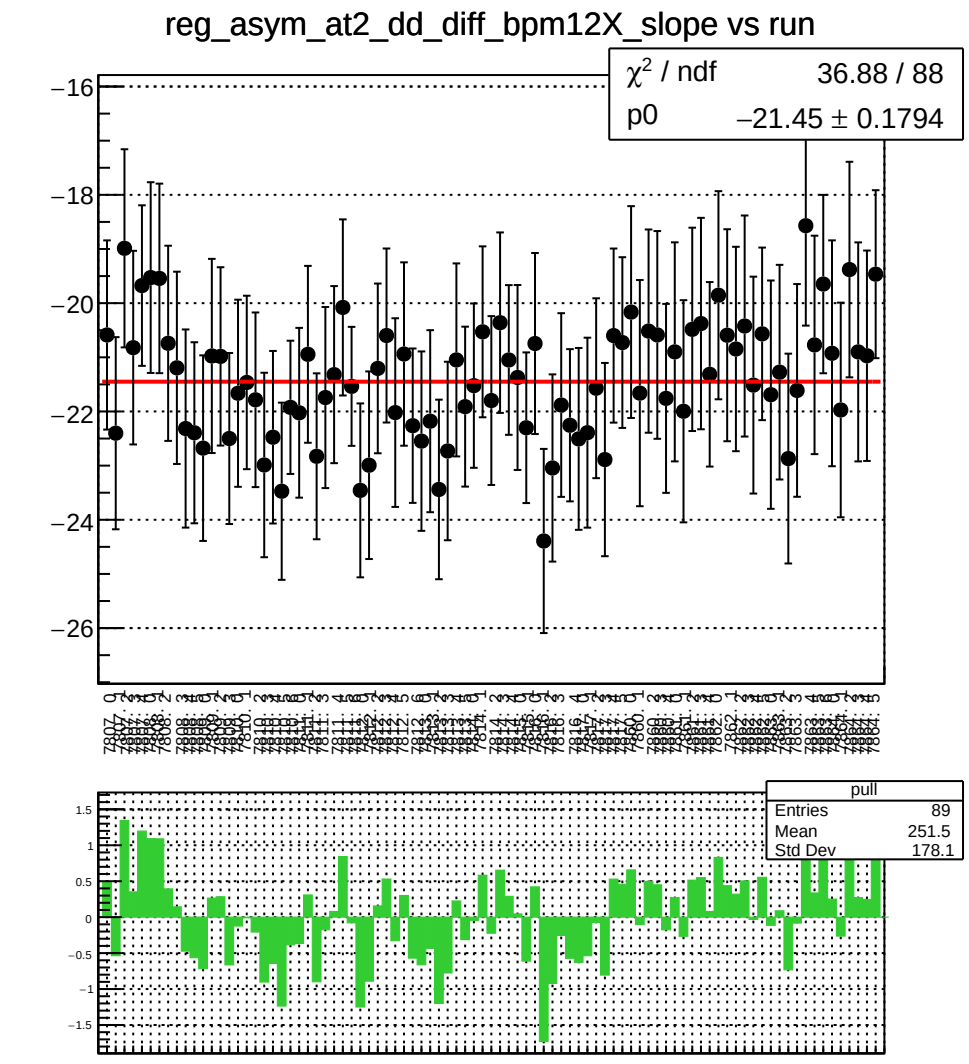

pull1D
Entries 89
Mean 0.005088
Std Dev 0.5473
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

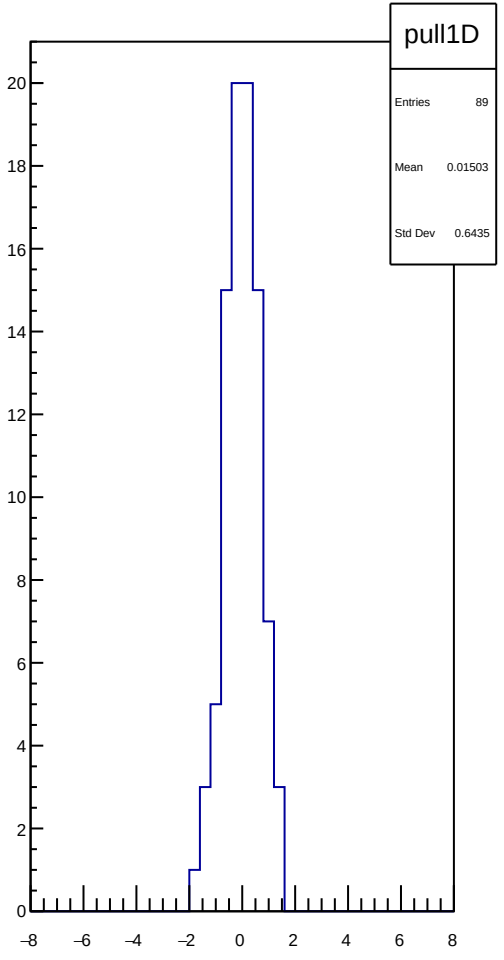

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.2 / 88
p0 81.47 ± 4.813
200
150
100
50
0
pull
Entries 89
Mean 3.119
Std Dev 270.6
1.5
1
0.5
0
−0.5
−1
−1.5

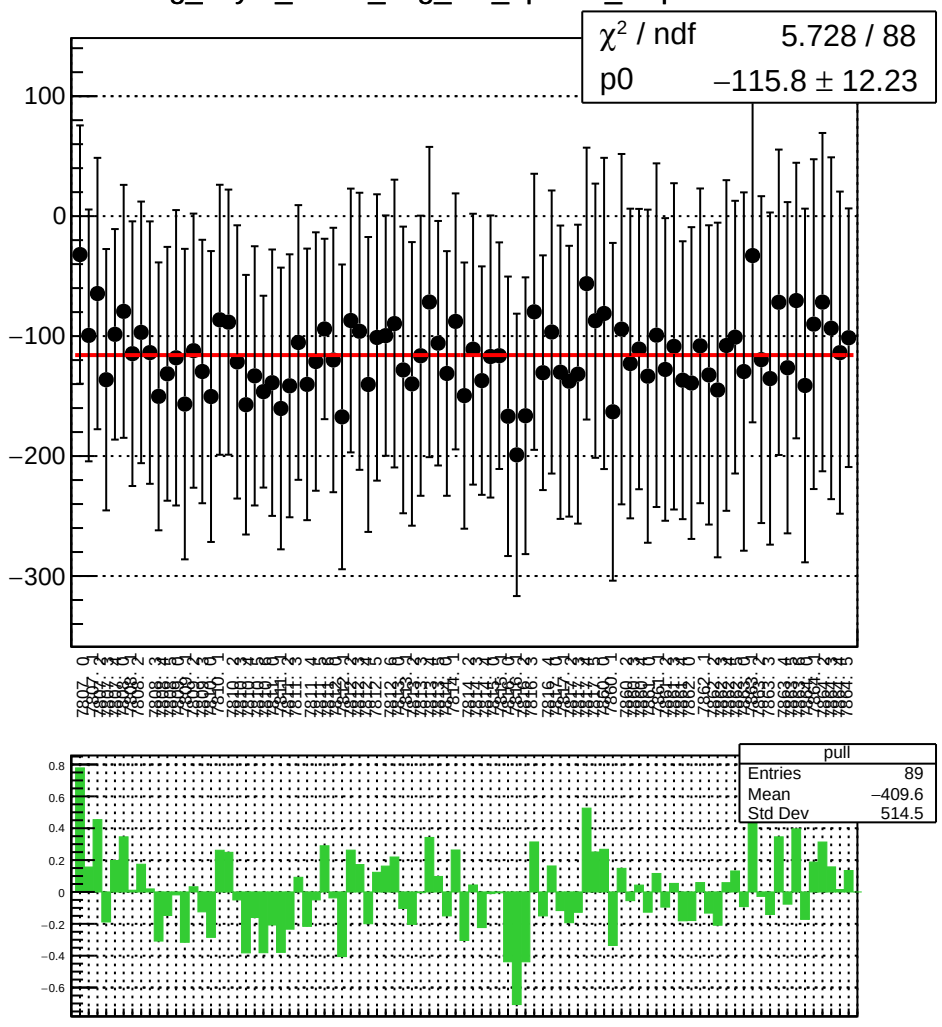

pull1D
Entries 89
Mean 0.001444
Std Dev 0.5528
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

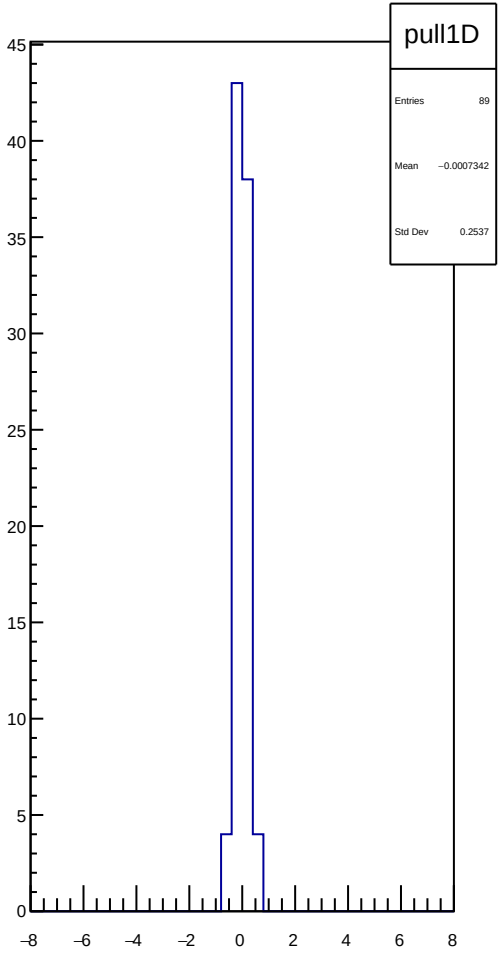

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.44 / 88
p0 −16.24 ± 6.173
100
50
0
−50
−100
−150
pull
Entries 89
Mean 127.1
Std Dev 80.87
1
0.5
0
−0.5
−1

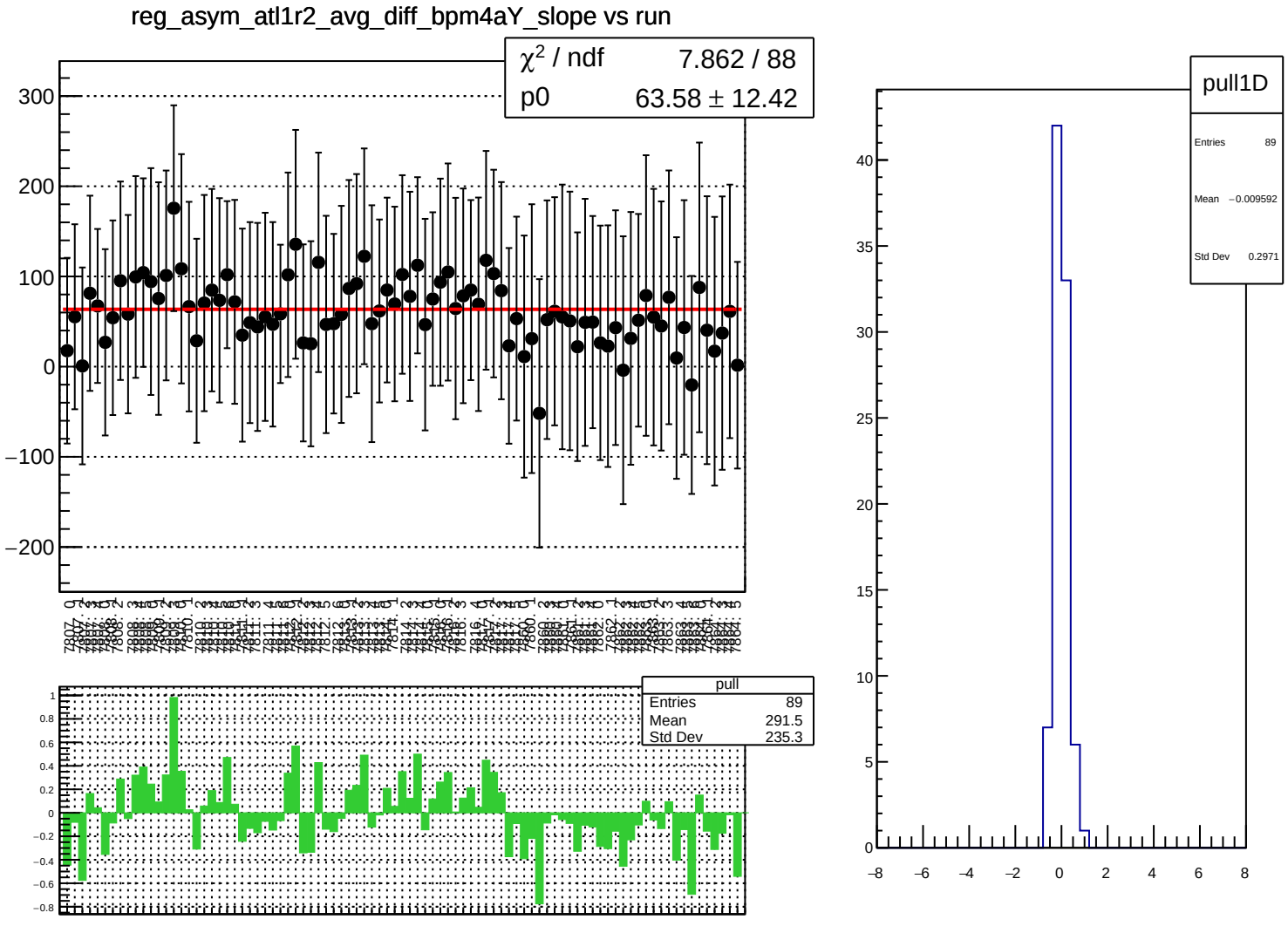

pull1D
Entries 89
Mean −0.01011
Std Dev 0.545
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

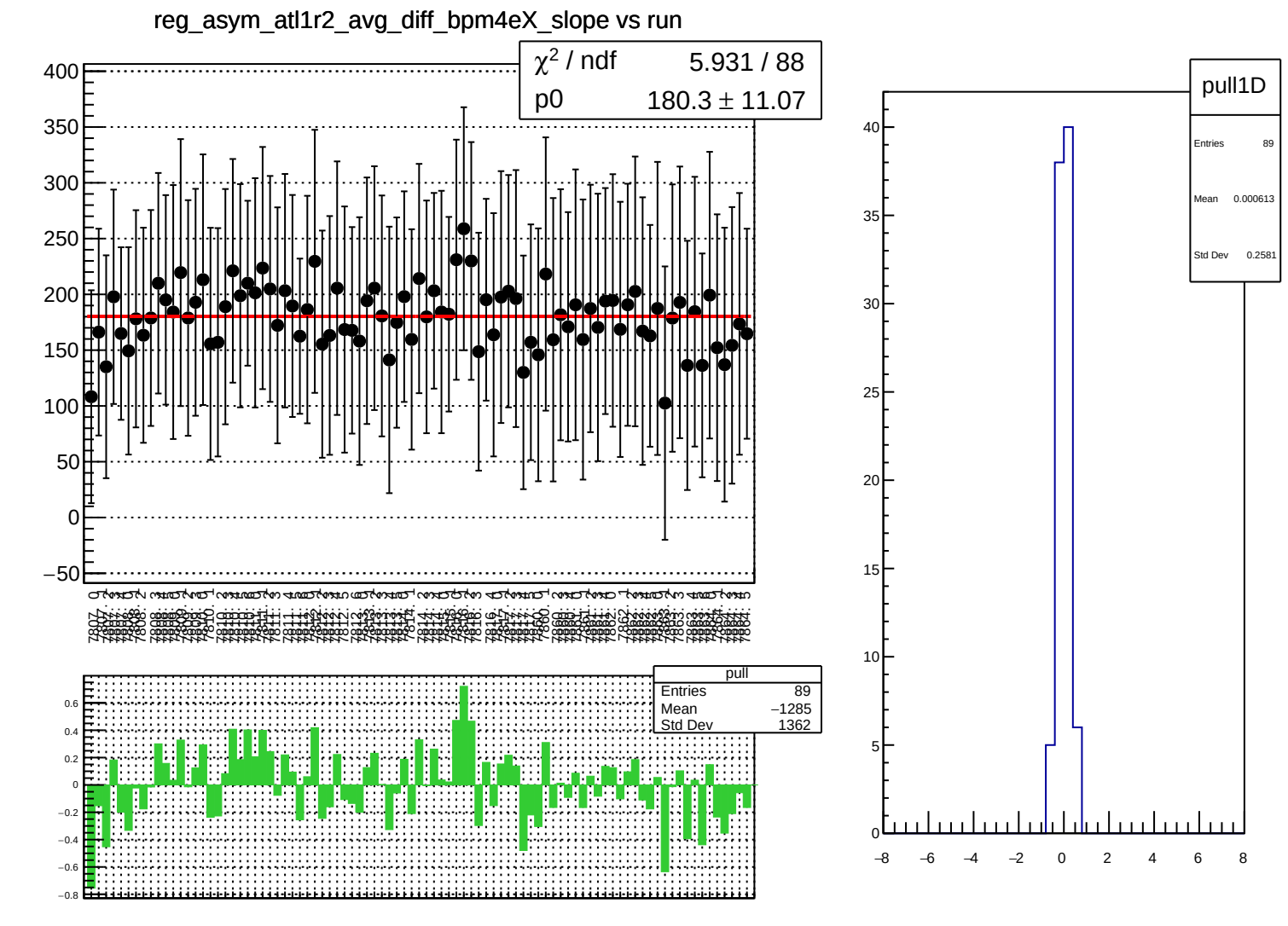

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 36.88 / 88
p0 −21.45 ± 0.1794
pull
Entries 89
Mean 251.5
Std Dev 178.1

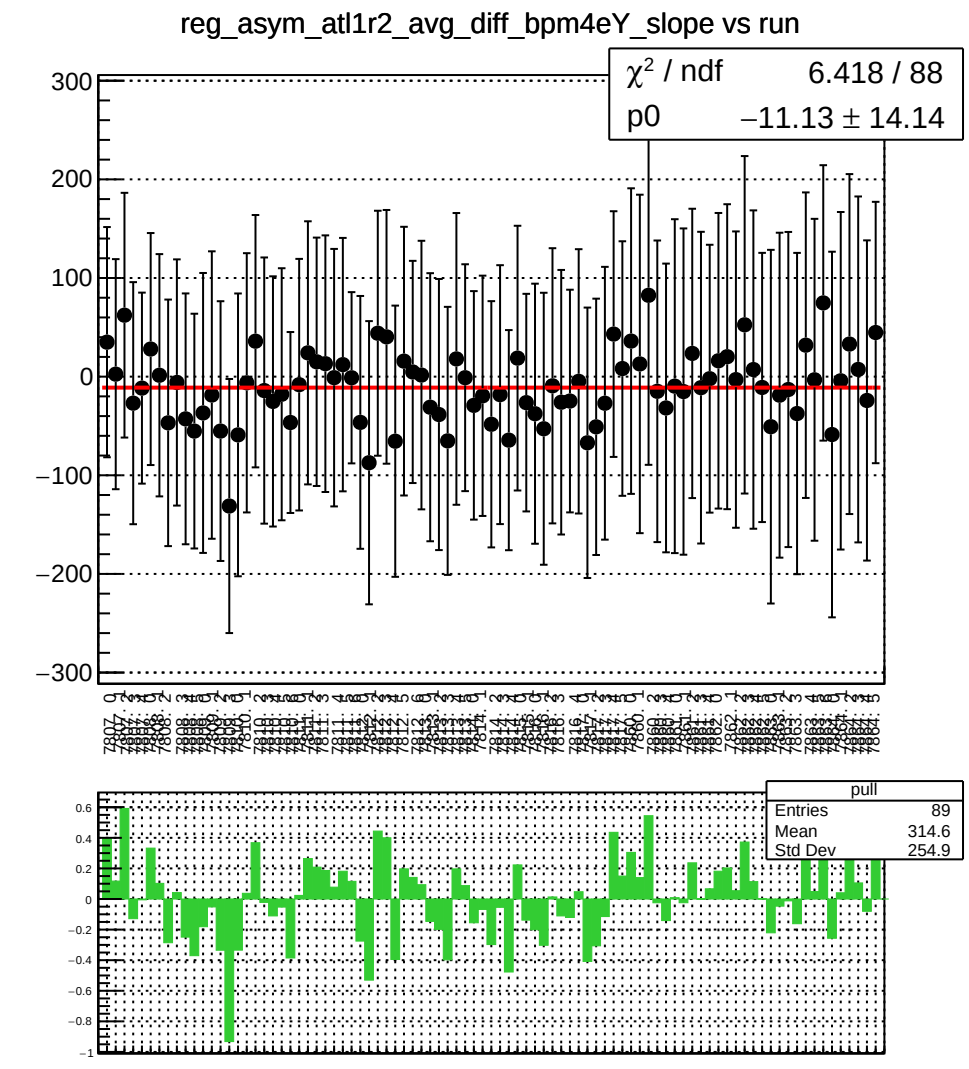

pull1D
Entries 89
Mean 0.01503
Std Dev 0.6435

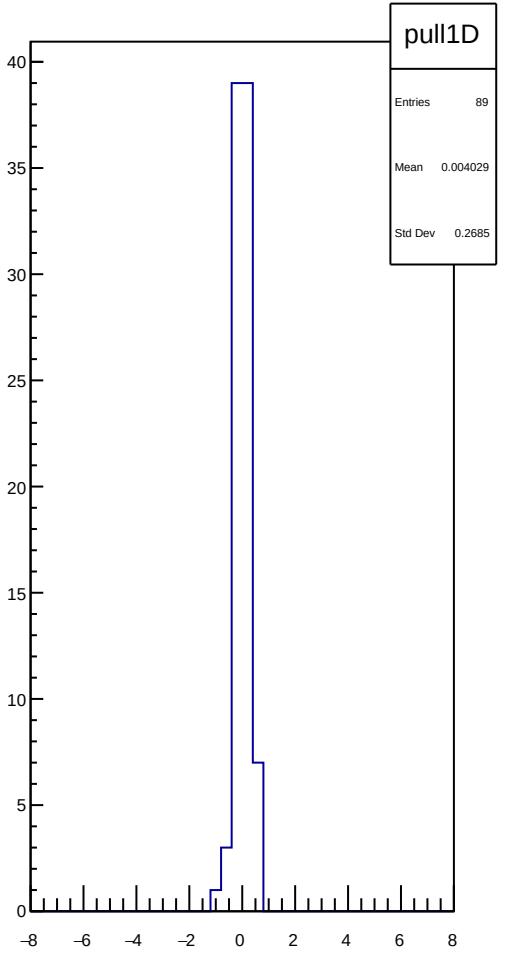

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.728 / 88
p0 −115.8 ± 12.23
pull
Entries 89
Mean −409.6
Std Dev 514.5

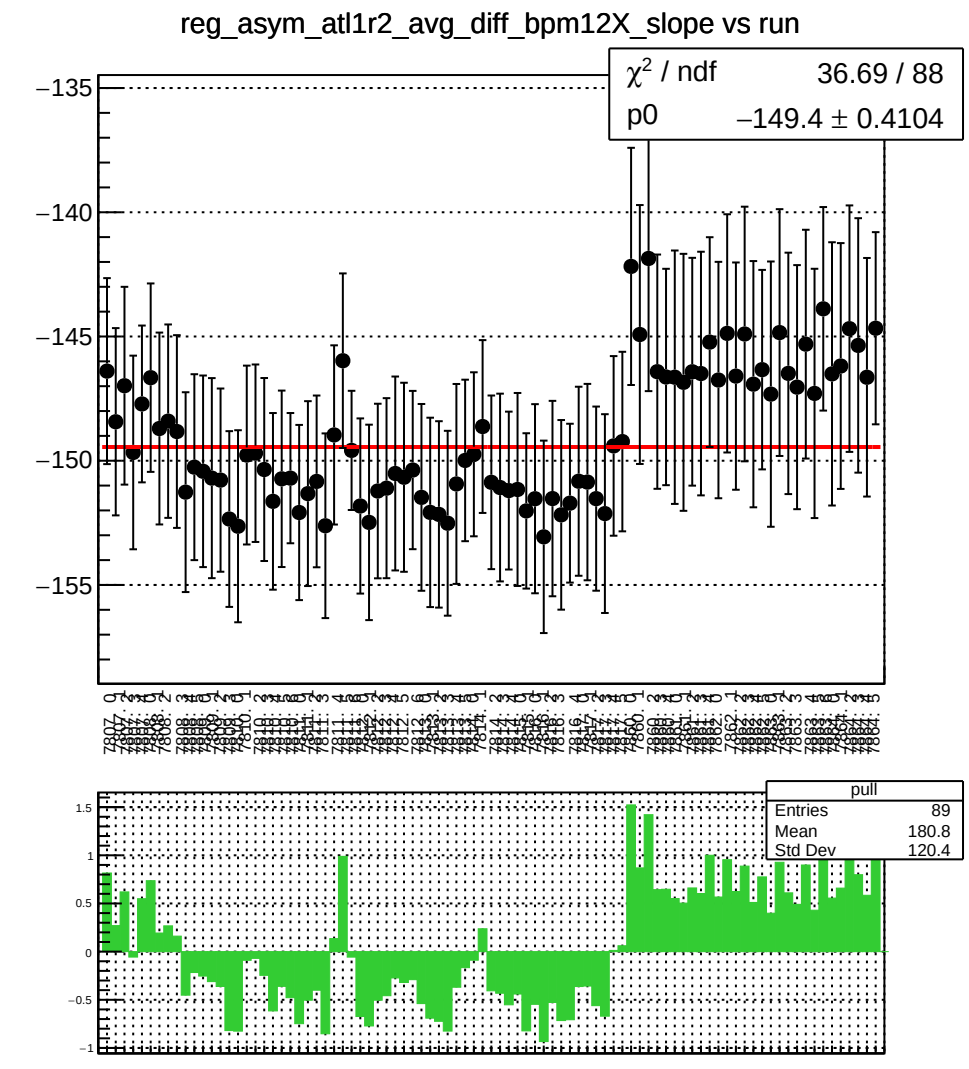

pull1D
Entries 89
Mean −0.0007342
Std Dev 0.2537

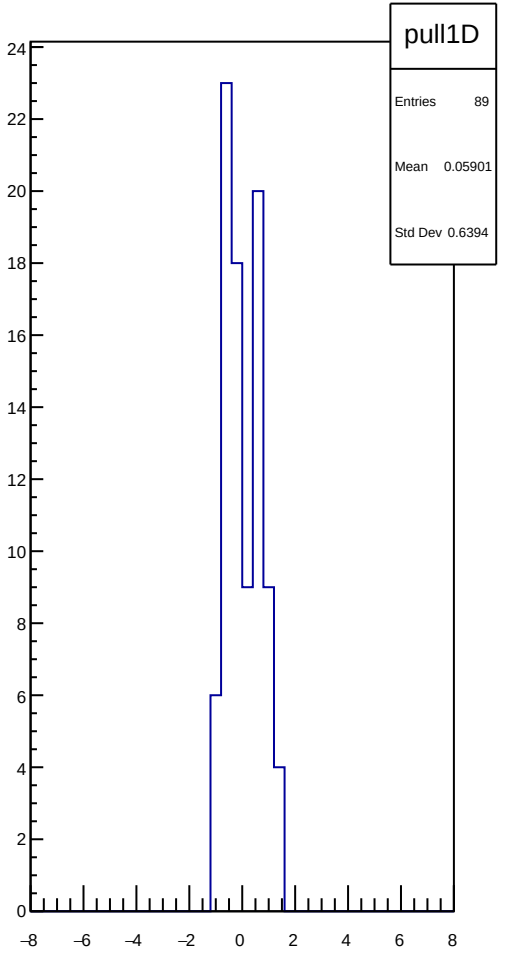

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.862 / 88
p0 63.58 ± 12.42
pull
Entries 89
Mean 291.5
Std Dev 235.3
pull1D
Entries 89
Mean −0.009592
Std Dev 0.2971

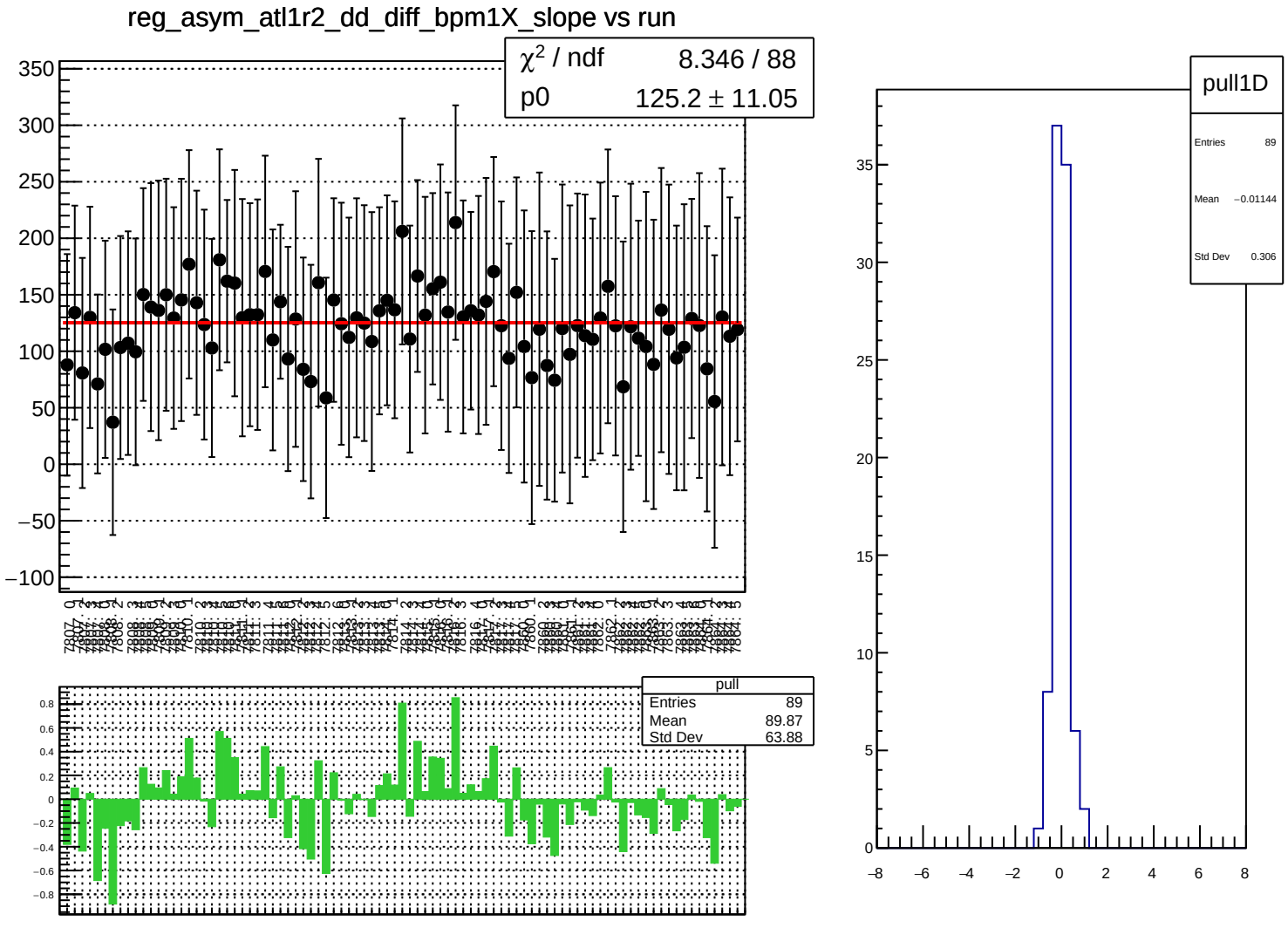

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.931 / 88
p0 180.3 ± 11.07
pull
Entries 89
Mean −1285
Std Dev 1362
pull1D
Entries 89
Mean 0.000613
Std Dev 0.2581

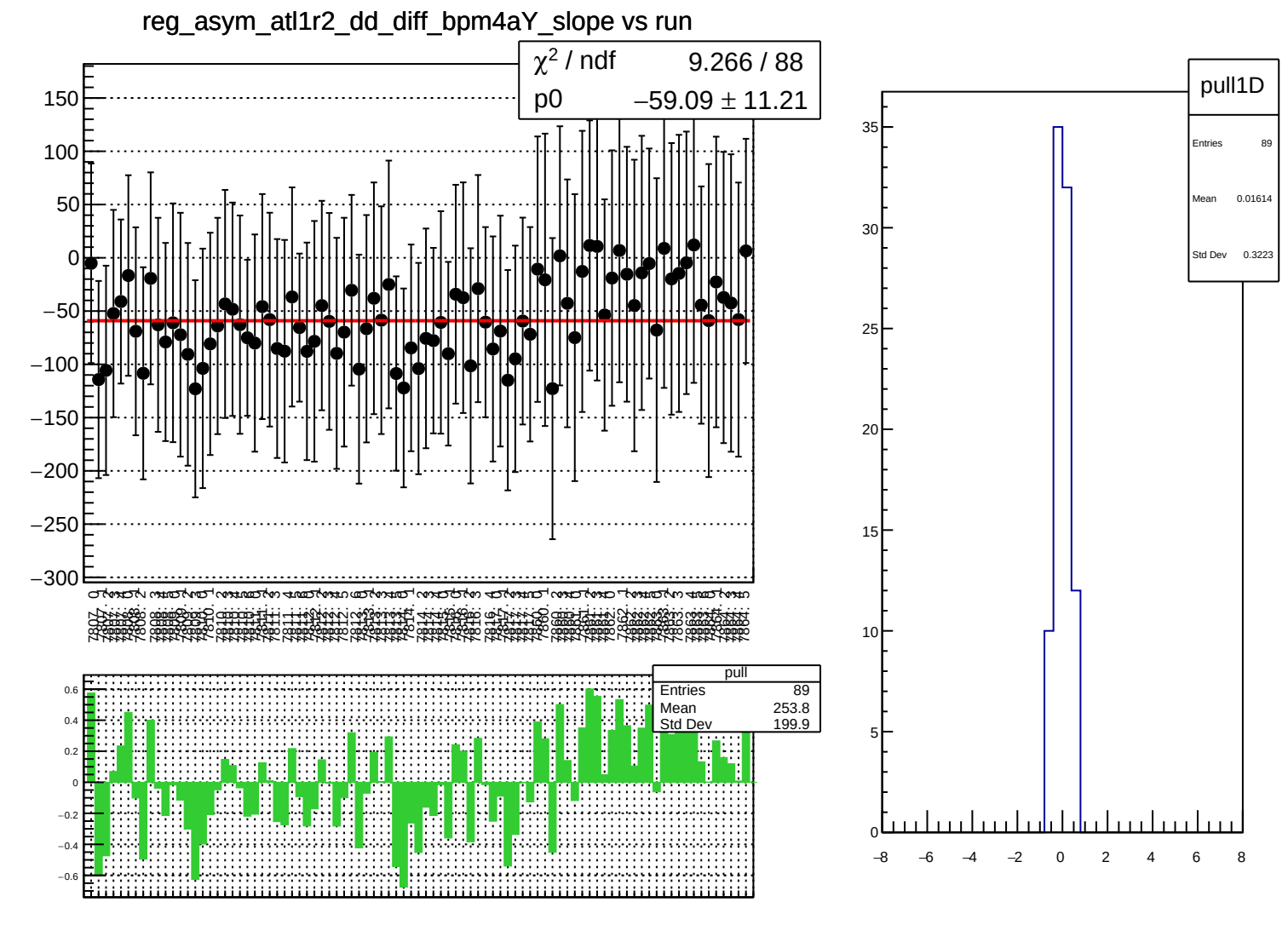

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.418 / 88
p0 −11.13 ± 14.14
pull
Entries 89
Mean 314.6
Std Dev 254.9

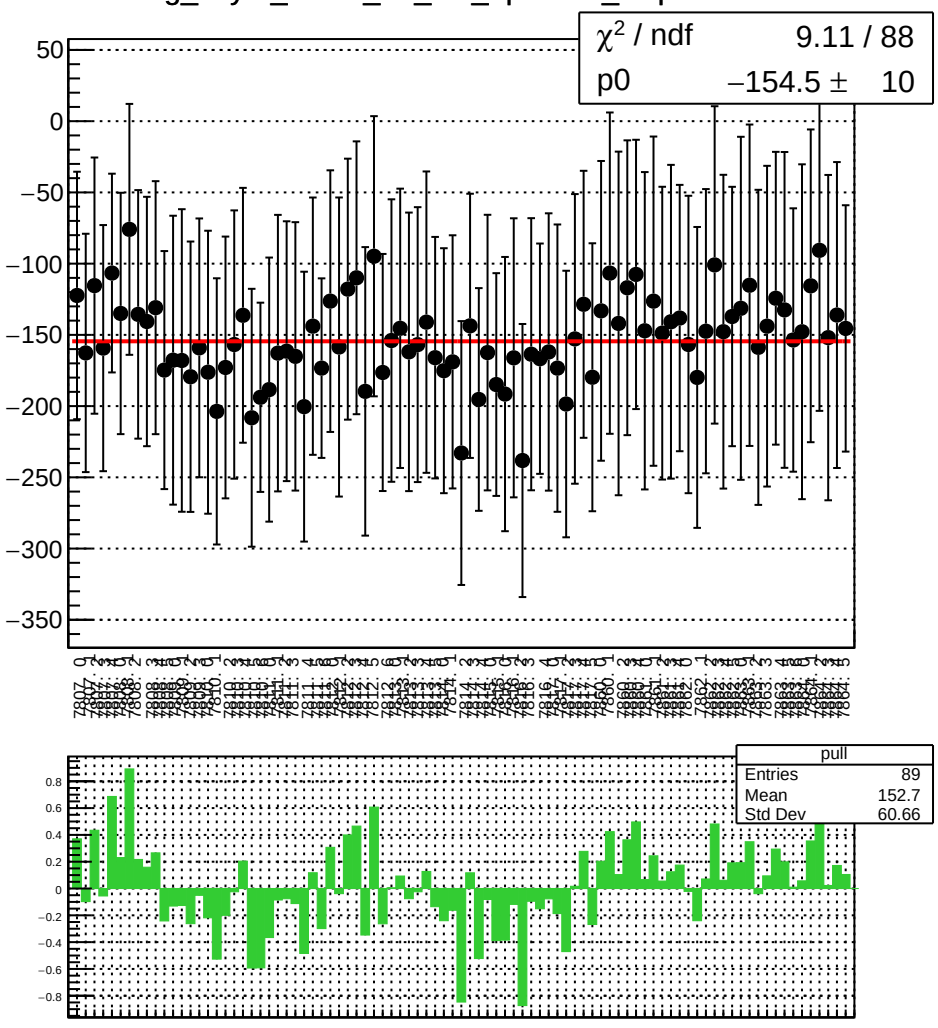

pull1D
Entries 89
Mean 0.004029
Std Dev 0.2685

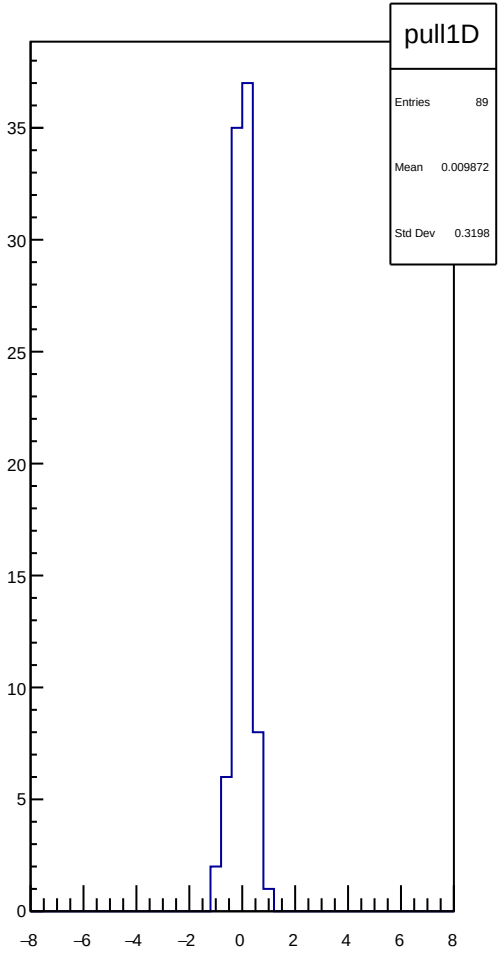

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 36.69 / 88
p0 −149.4 ± 0.4104
−135
−140
−145
−150
−155
pull
Entries 89
Mean 180.8
Std Dev 120.4
1.5
1
0.5
0
−0.5
−1

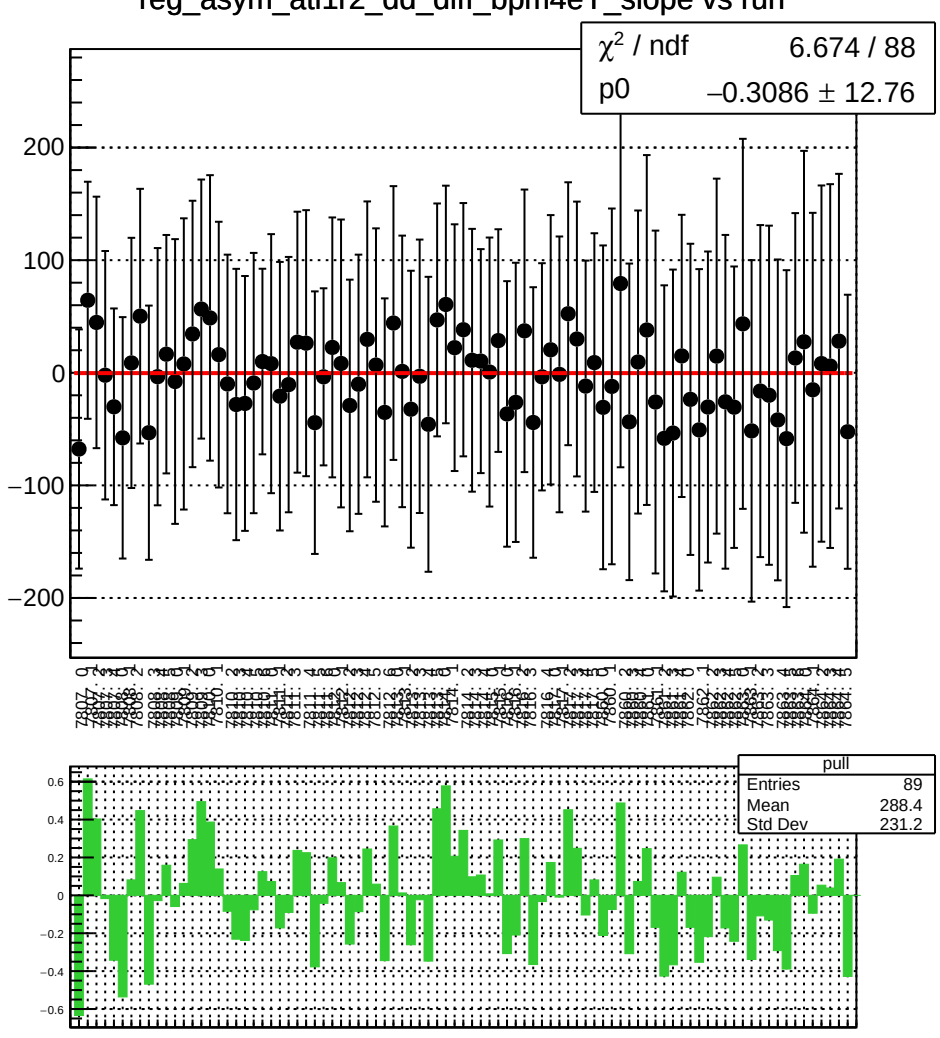

pull1D
Entries 89
Mean 0.05901
Std Dev 0.6394
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

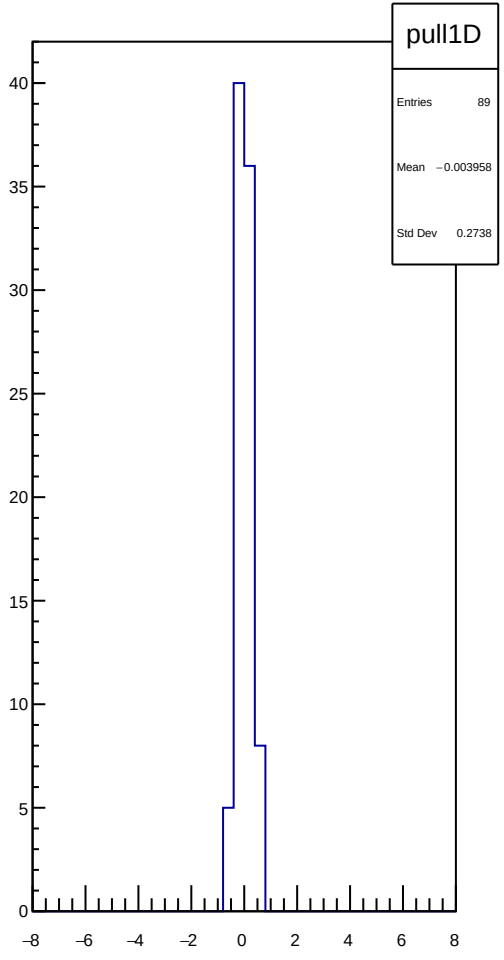

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 8.346 / 88
p0 125.2 ± 11.05
pull
Entries 89
Mean 89.87
Std Dev 63.88
pull1D
Entries 89
Mean −0.01144
Std Dev 0.306

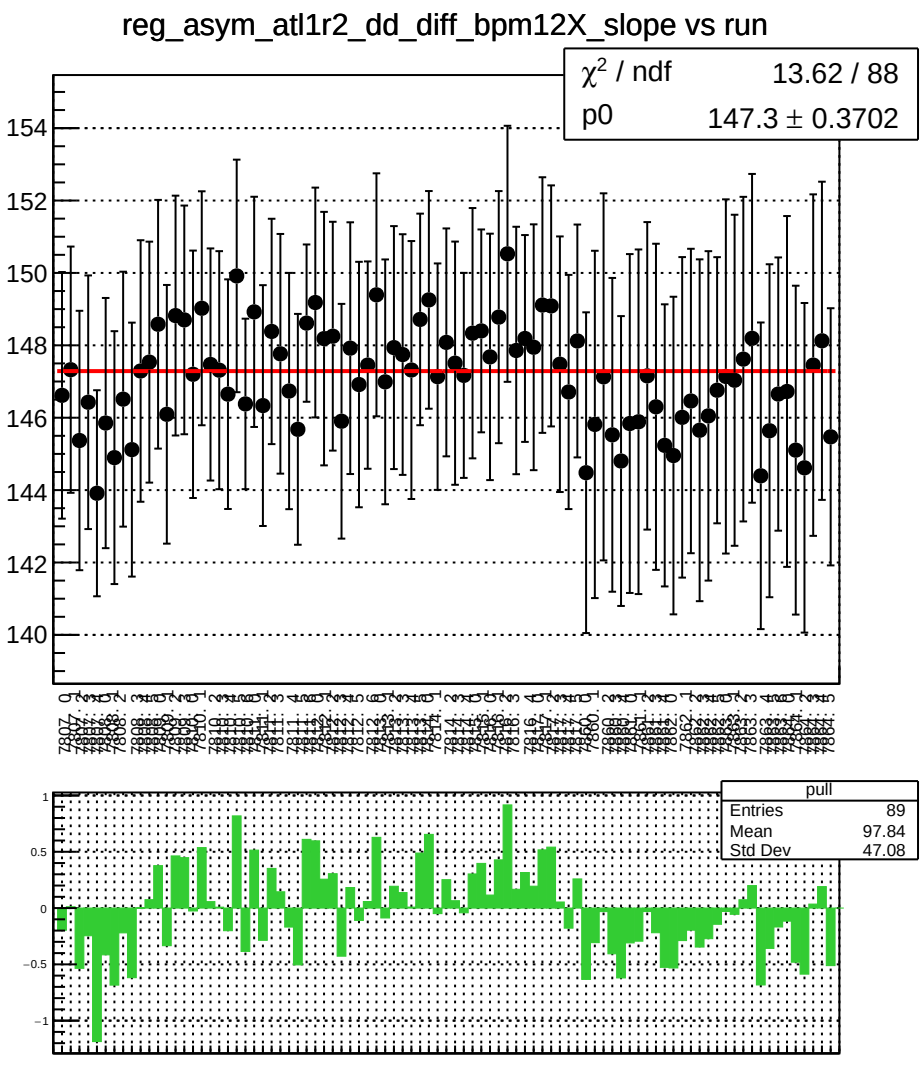

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.266 / 88
p0 −59.09 ± 11.21
pull
Entries 89
Mean 253.8
Std Dev 199.9
pull1D
Entries 89
Mean 0.01614
Std Dev 0.3223

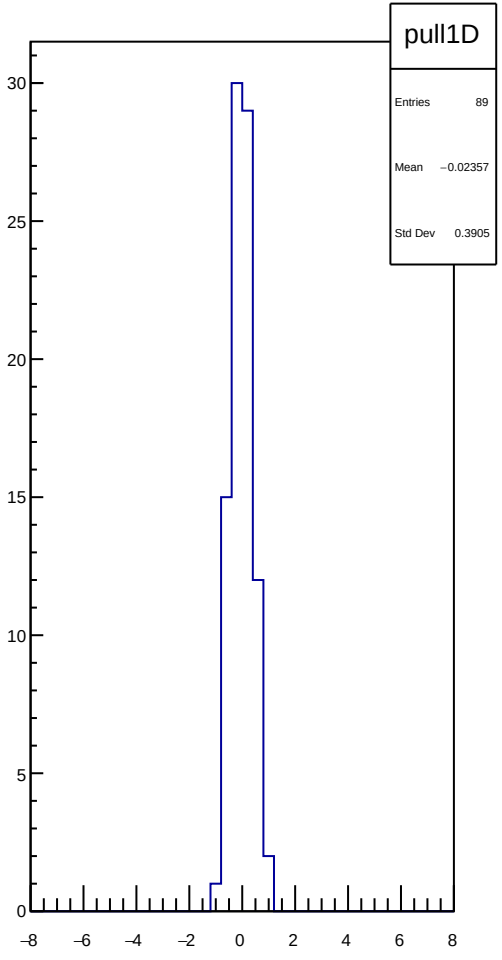

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.11 / 88
p0 −154.5 ± 10
pull
Entries 89
Mean 152.7
Std Dev 60.66

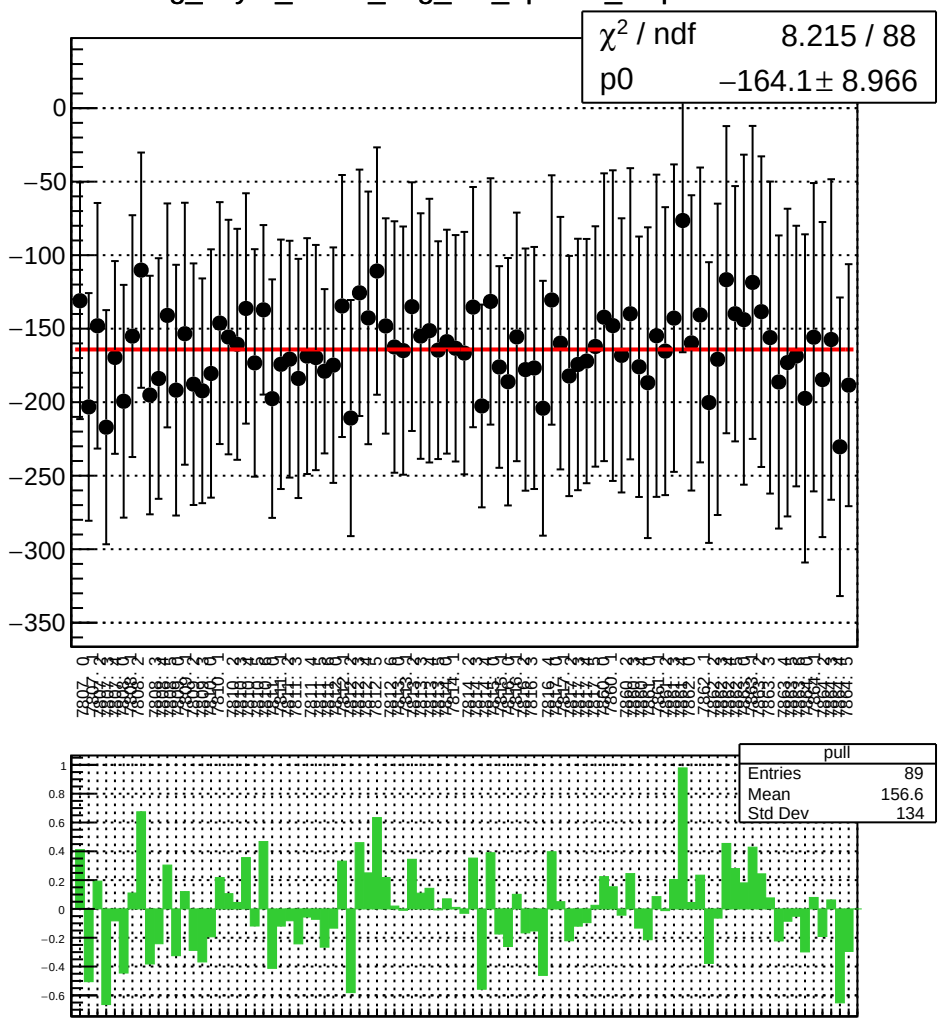

pull1D
Entries 89
Mean 0.009872
Std Dev 0.3198

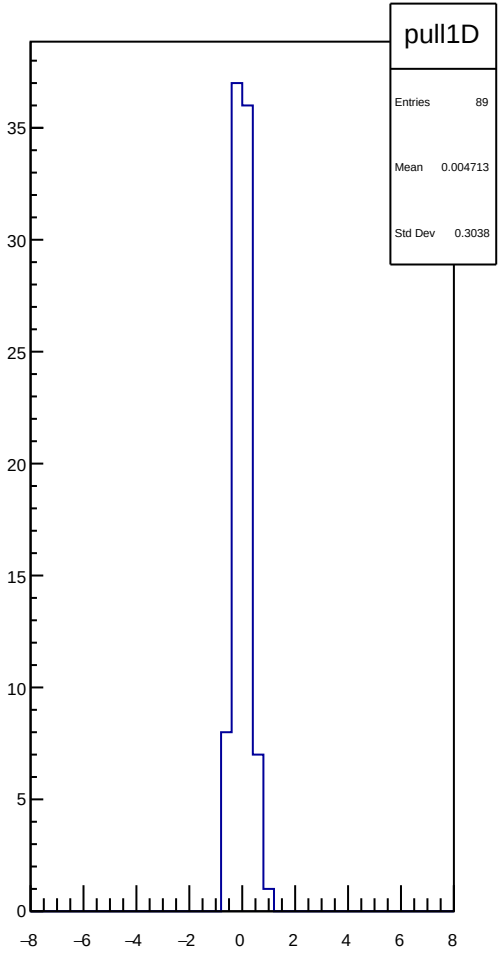

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.674 / 88
p0 −0.3086 ± 12.76
200
100
0
−100
−200
pull
Entries 89
Mean 288.4
Std Dev 231.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

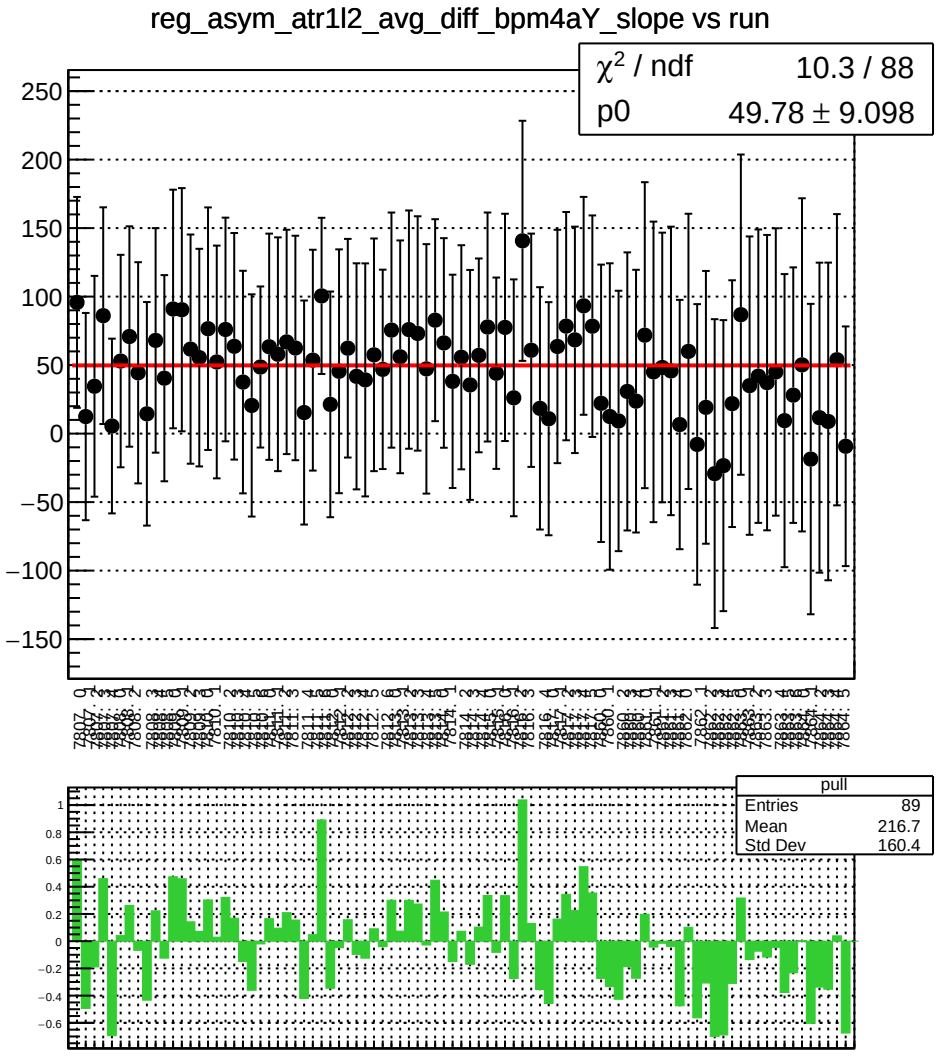

pull1D
Entries 89
Mean −0.003958
Std Dev 0.2738
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

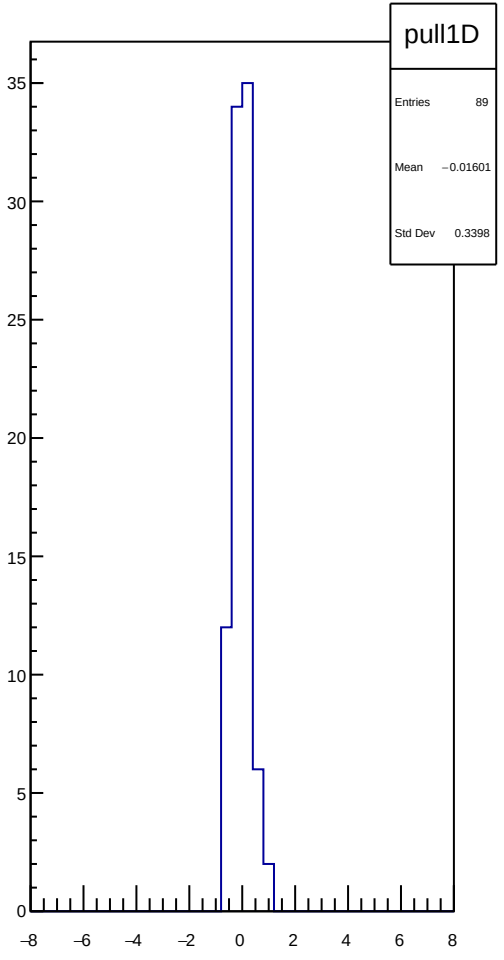

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.62 / 88
p0 147.3 ± 0.3702
154
152
150
148
146
144
142
140
pull
Entries 89
Mean 97.84
Std Dev 47.08
1
0.5
0
−0.5
−1

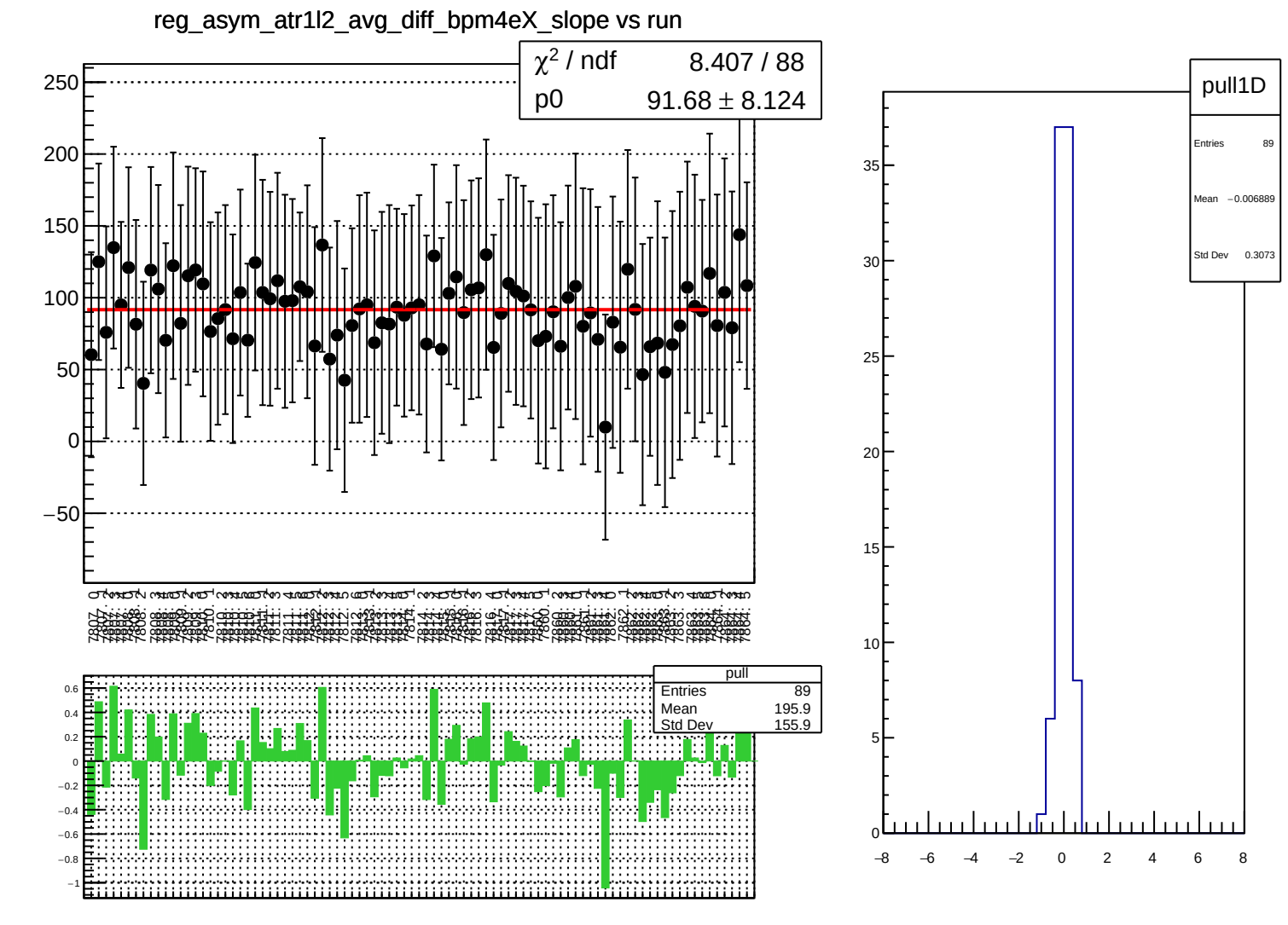

pull1D
Entries 89
Mean −0.02357
Std Dev 0.3905
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

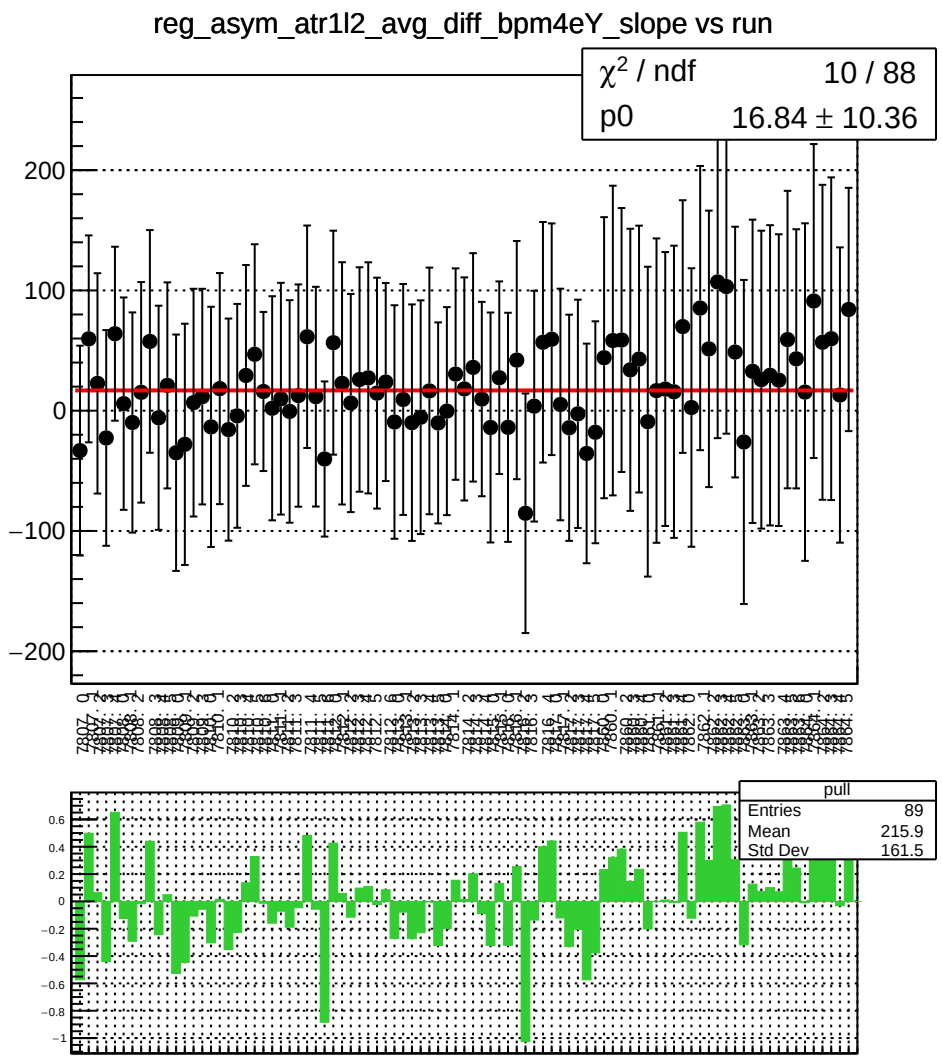

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.215 / 88
p0 −164.1 ± 8.966
pull
Entries 89
Mean 156.6
Std Dev 134

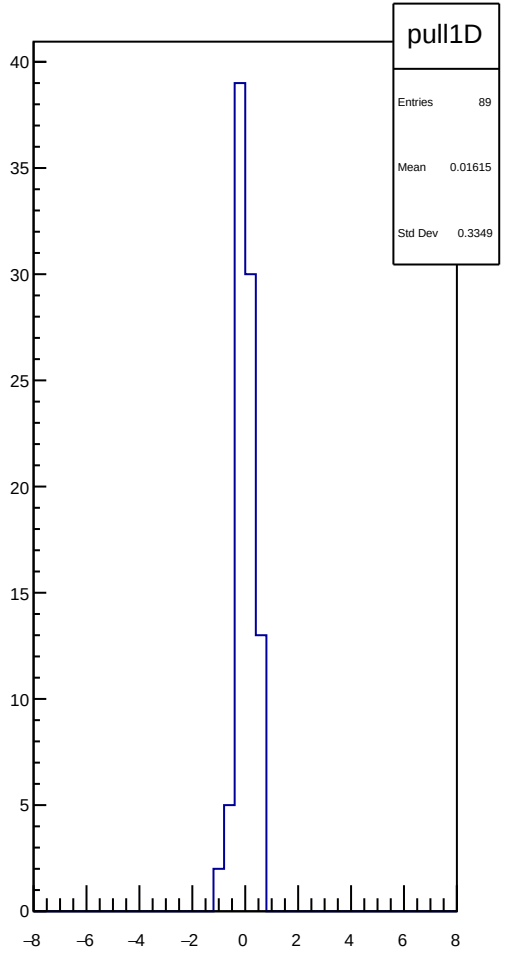

pull1D
Entries 89
Mean 0.004713
Std Dev 0.3038

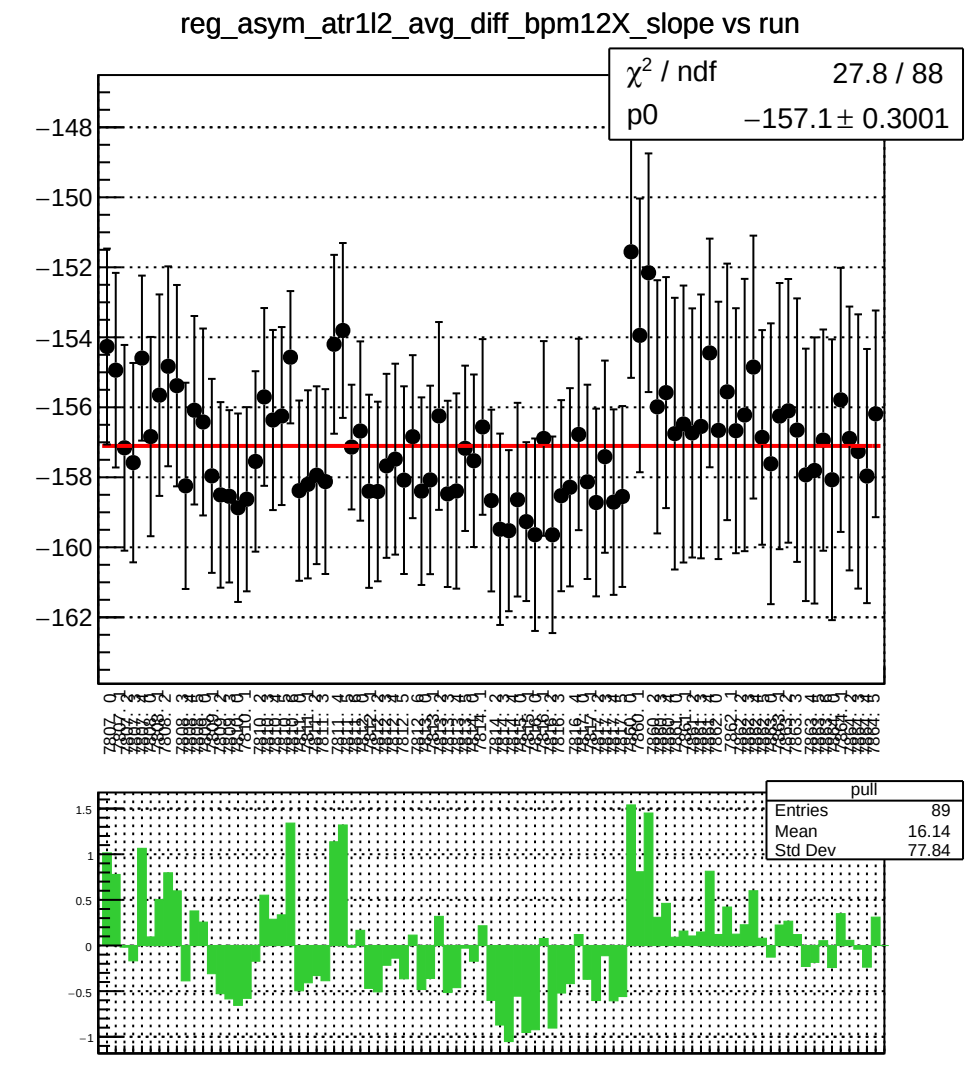

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.3 / 88
p0 49.78 ± 9.098
pull
Entries 89
Mean 216.7
Std Dev 160.4

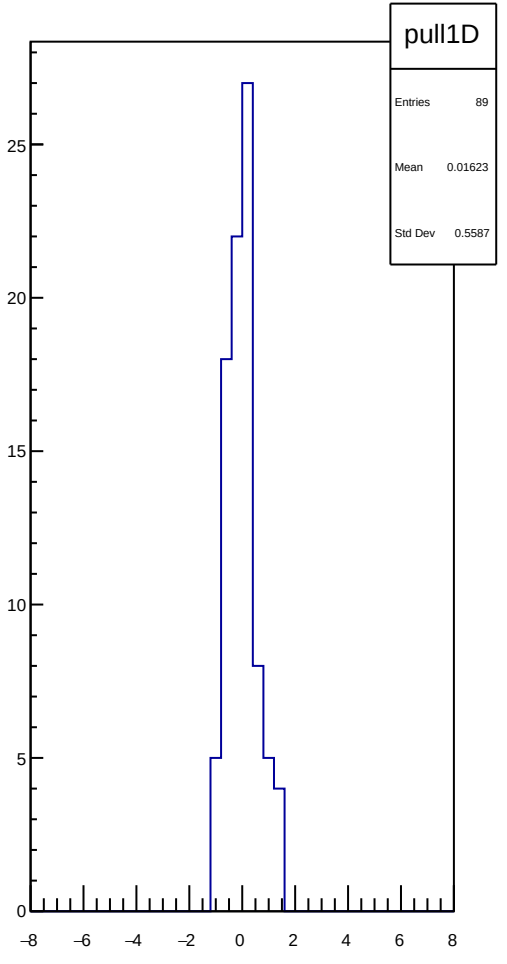

pull1D
Entries 89
Mean −0.01601
Std Dev 0.3398

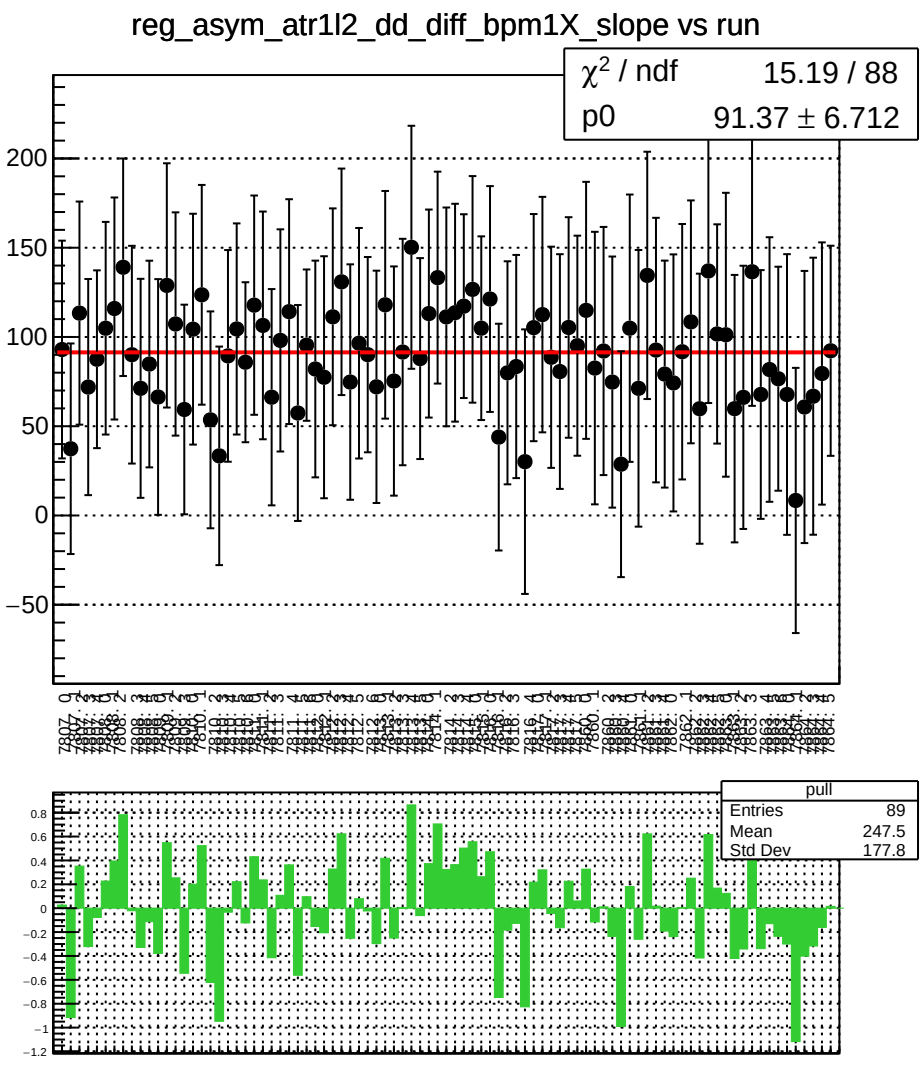

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.407 / 88
p0 91.68 ± 8.124
pull
Entries 89
Mean 195.9
Std Dev 155.9
pull1D
Entries 89
Mean −0.006889
Std Dev 0.3073

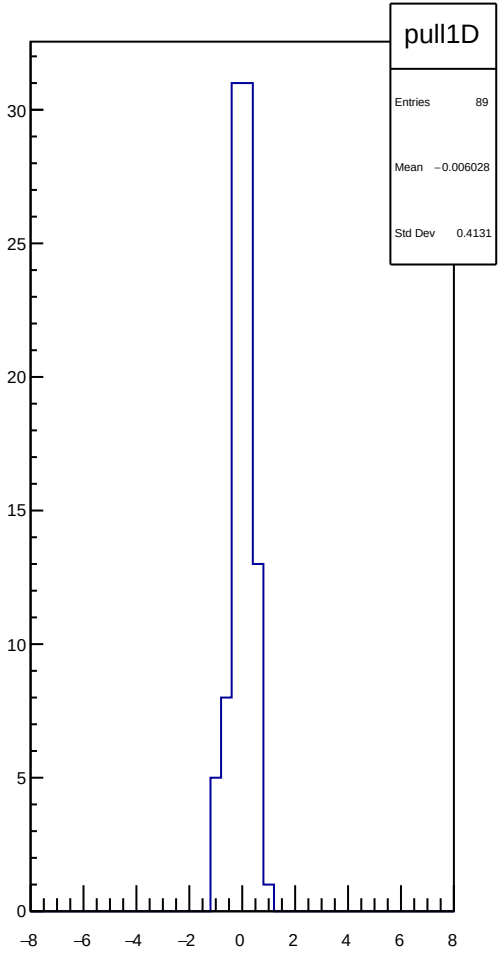

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10 / 88
p0 16.84 ± 10.36
200
100
0
−100
−200
pull
Entries 89
Mean 215.9
Std Dev 161.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

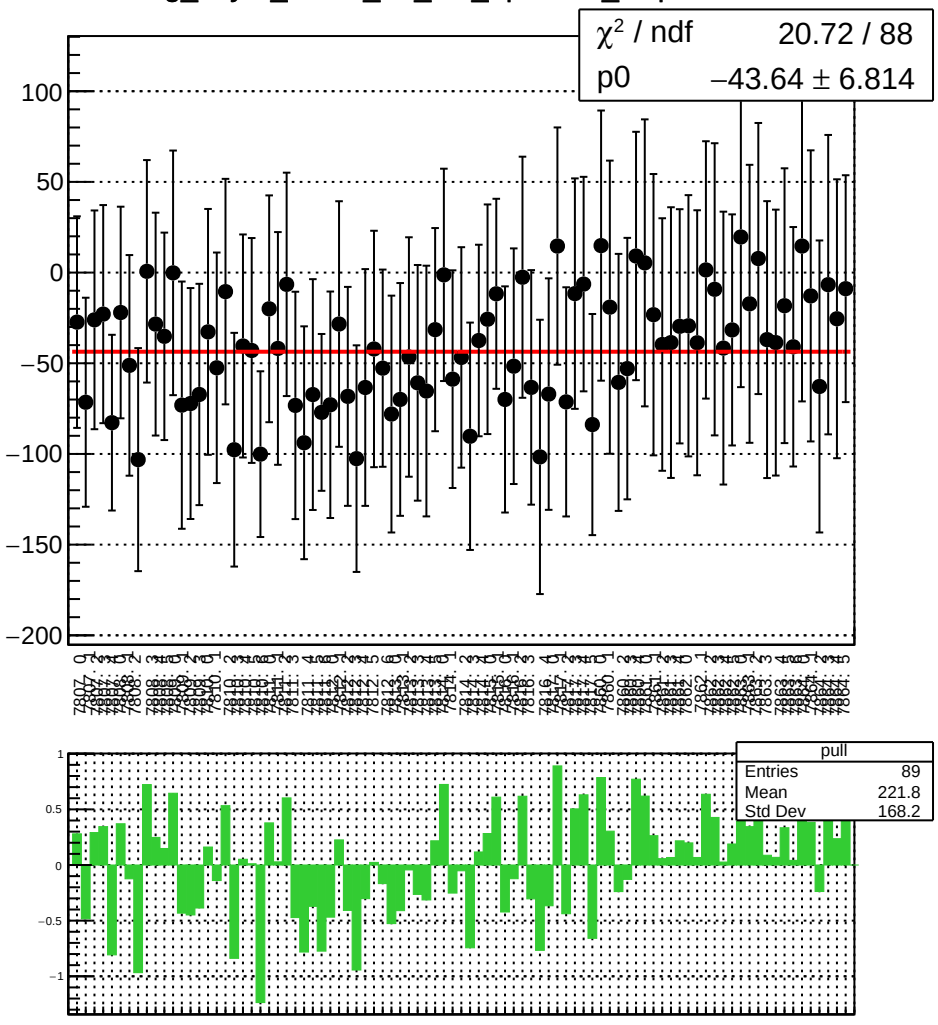

pull1D
Entries 89
Mean 0.01615
Std Dev 0.3349
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

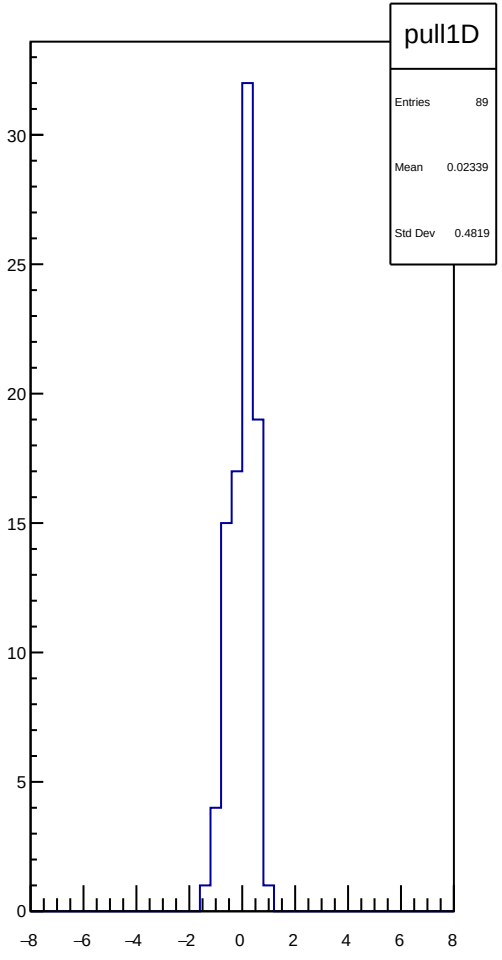

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 27.8 / 88
p0 −157.1 ± 0.3001
−148
−150
−152
−154
−156
−158
−160
−162
pull
Entries 89
Mean 16.14
Std Dev 77.84
1.5
1
0.5
0
−0.5
−1

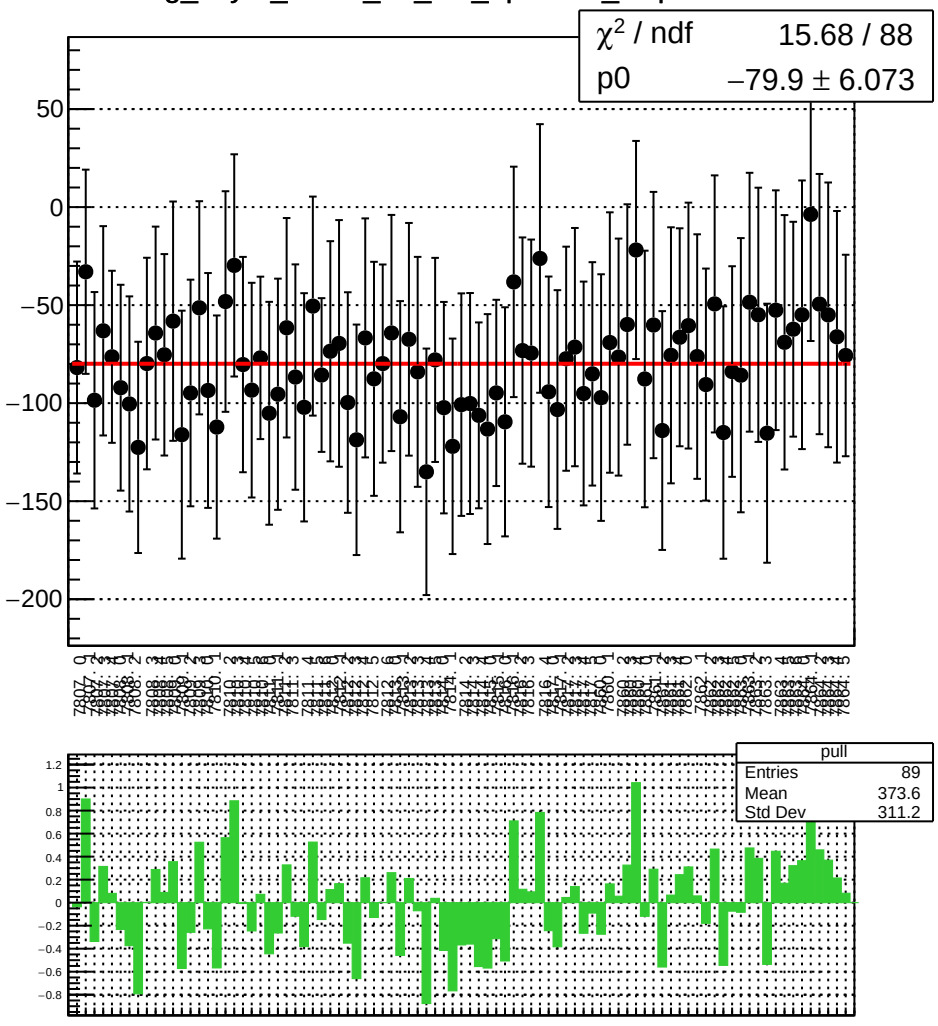

pull1D
Entries 89
Mean 0.01623
Std Dev 0.5587
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

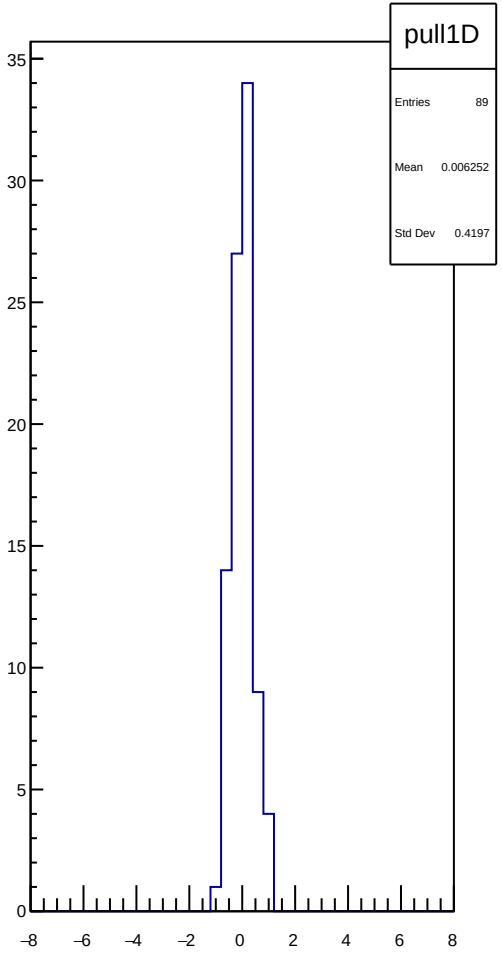

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 15.19 / 88
p0 91.37 ± 6.712
pull
Entries 89
Mean 247.5
Std Dev 177.8

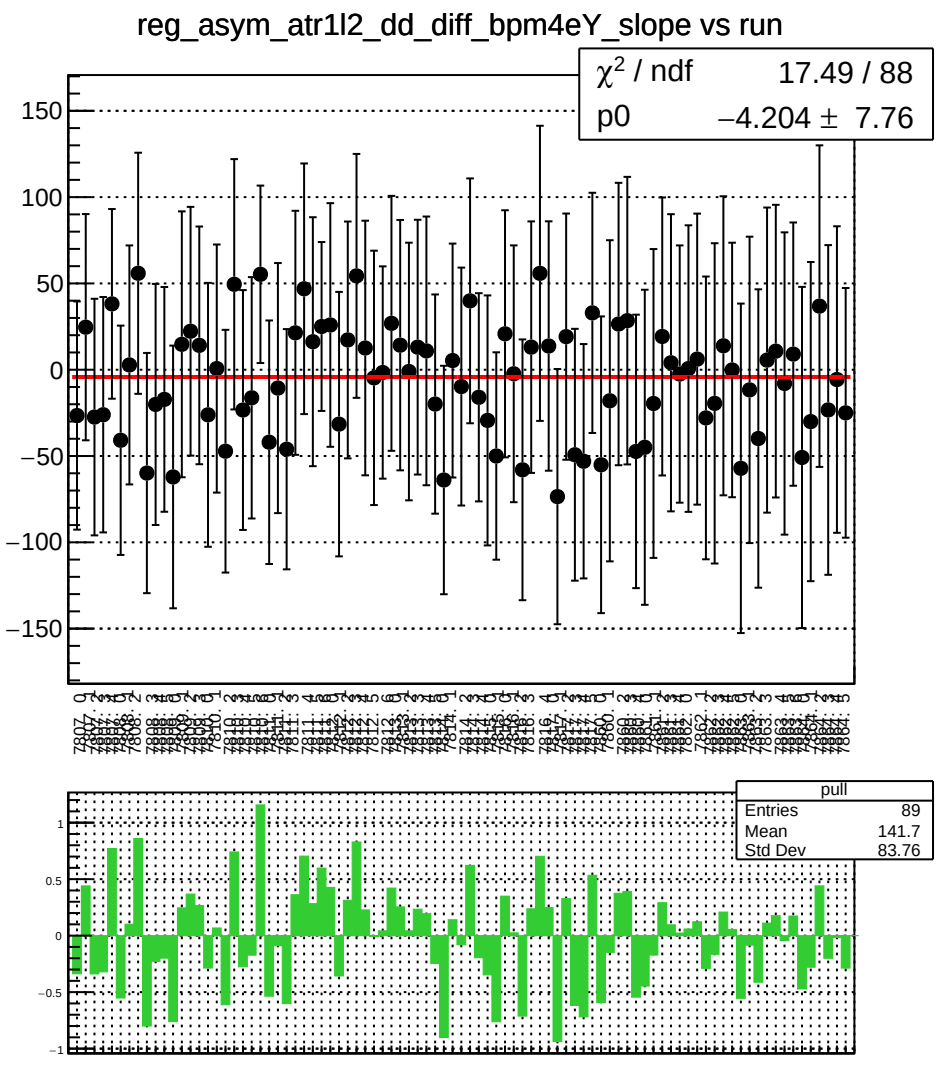

pull1D
Entries 89
Mean −0.006028
Std Dev 0.4131

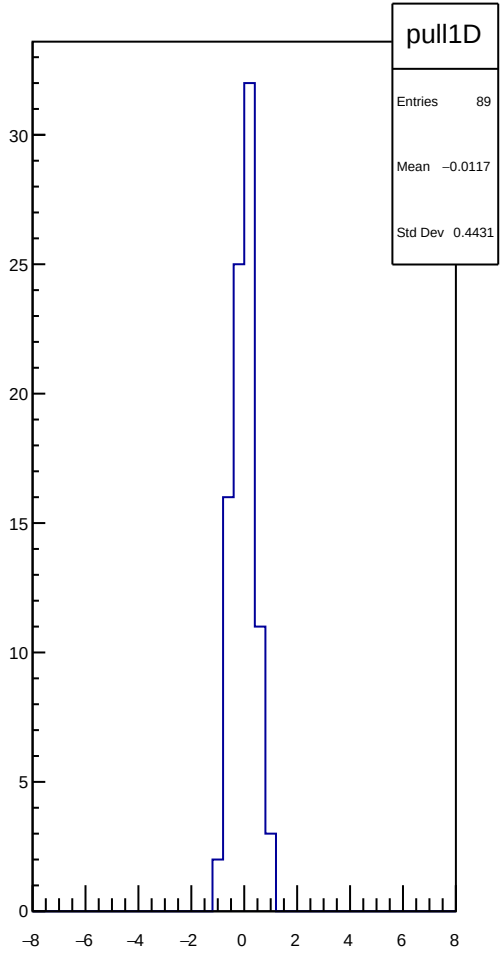

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.72 / 88
p0 −43.64 ± 6.814
pull
Entries 89
Mean 221.8
Std Dev 168.2

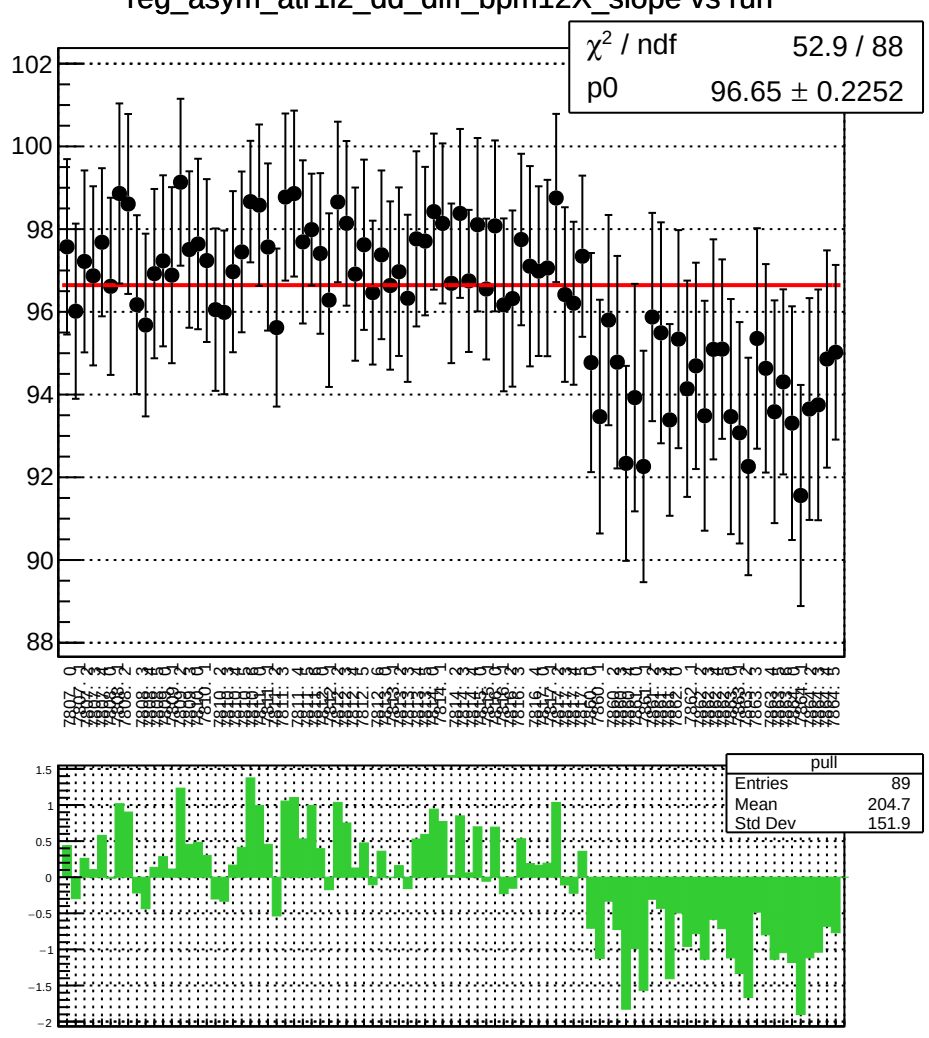

pull1D
Entries 89
Mean 0.02339
Std Dev 0.4819

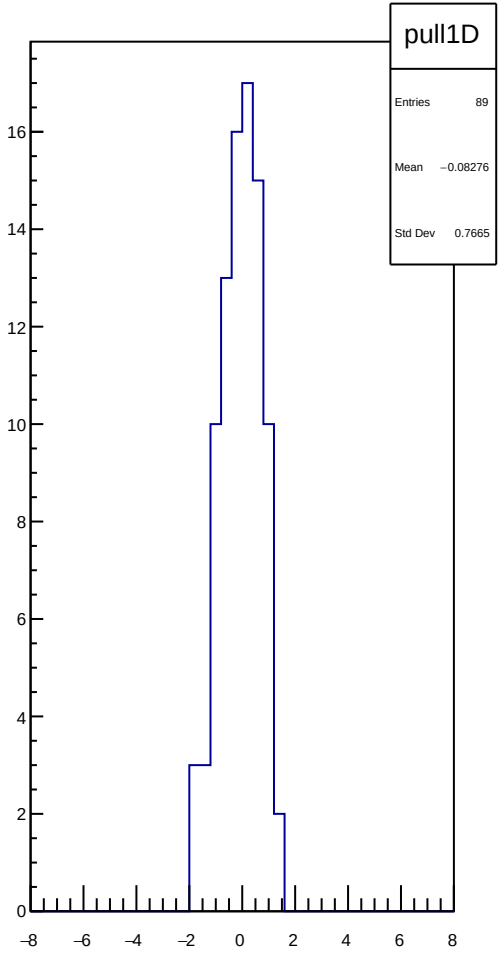

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 15.68 / 88
p0 −79.9 ± 6.073
pull
Entries 89
Mean 373.6
Std Dev 311.2

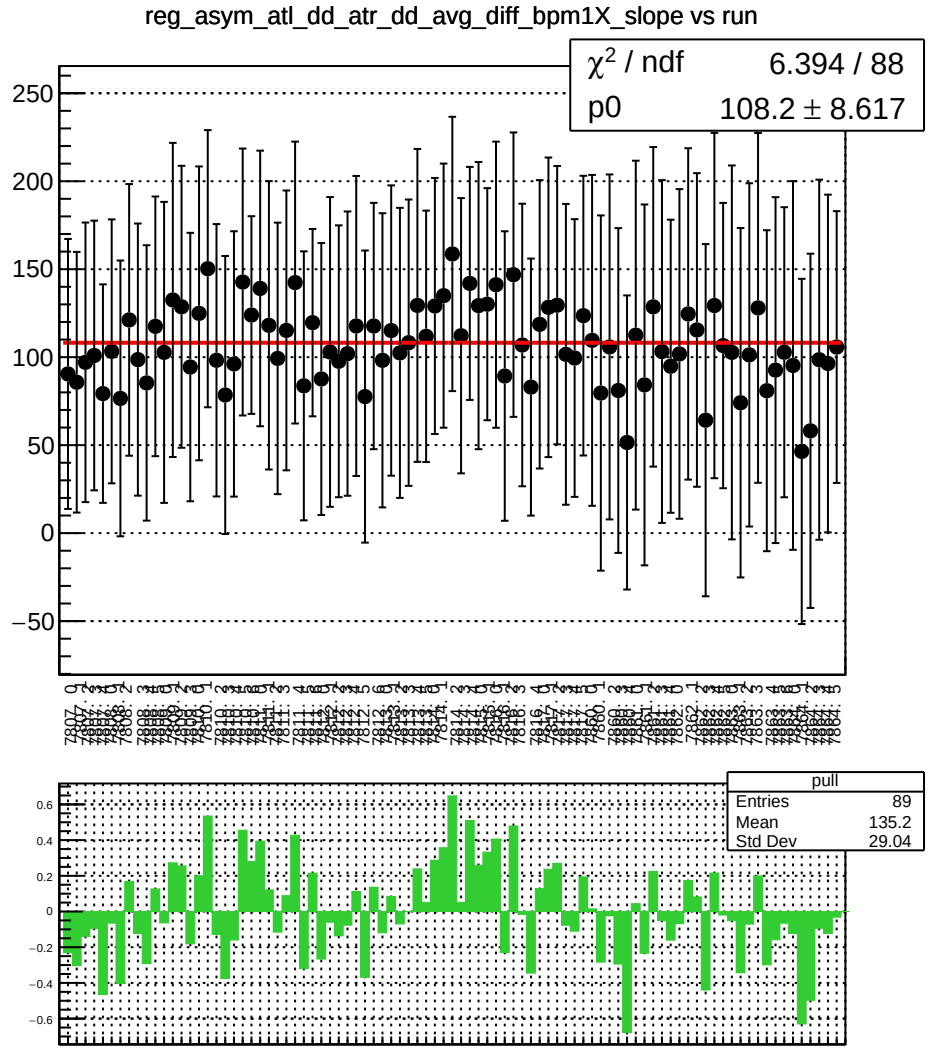

pull1D
Entries 89
Mean 0.006252
Std Dev 0.4197

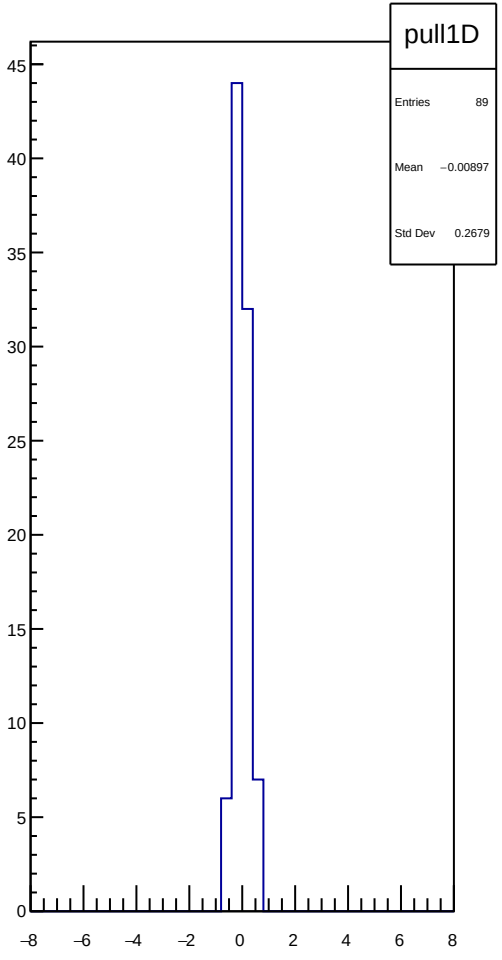

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.49 / 88
p0 −4.204 ± 7.76
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 141.7
Std Dev 83.76
1
0.5
0
−0.5
−1

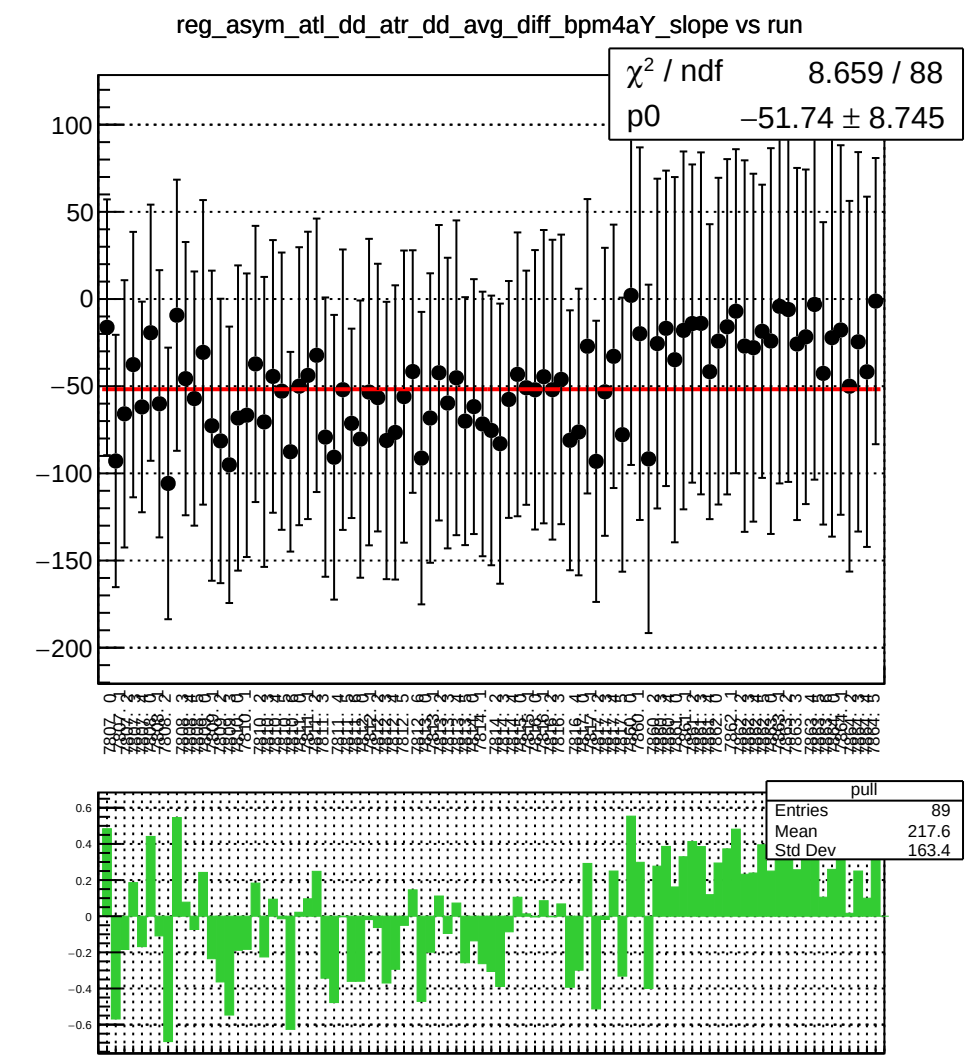

pull1D
Entries 89
Mean −0.0117
Std Dev 0.4431
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

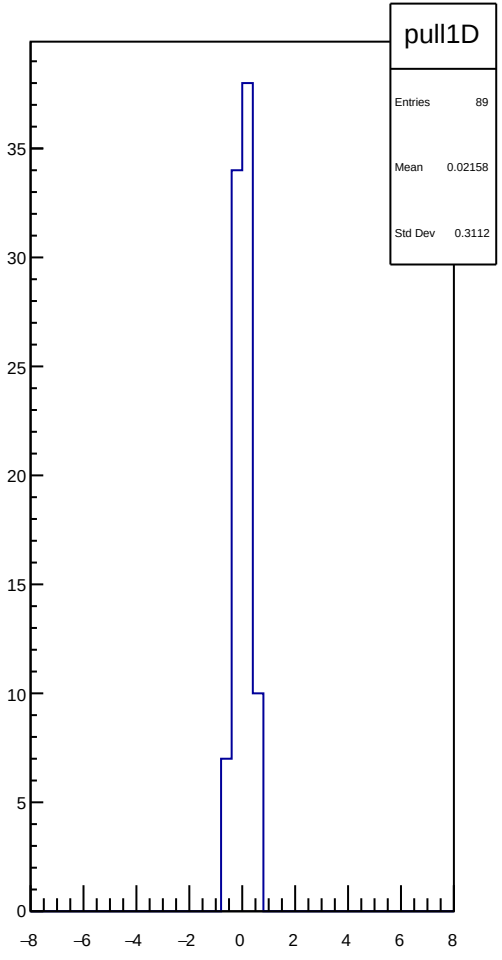

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 52.9 / 88
p0 96.65 ± 0.2252
pull
Entries 89
Mean 204.7
Std Dev 151.9

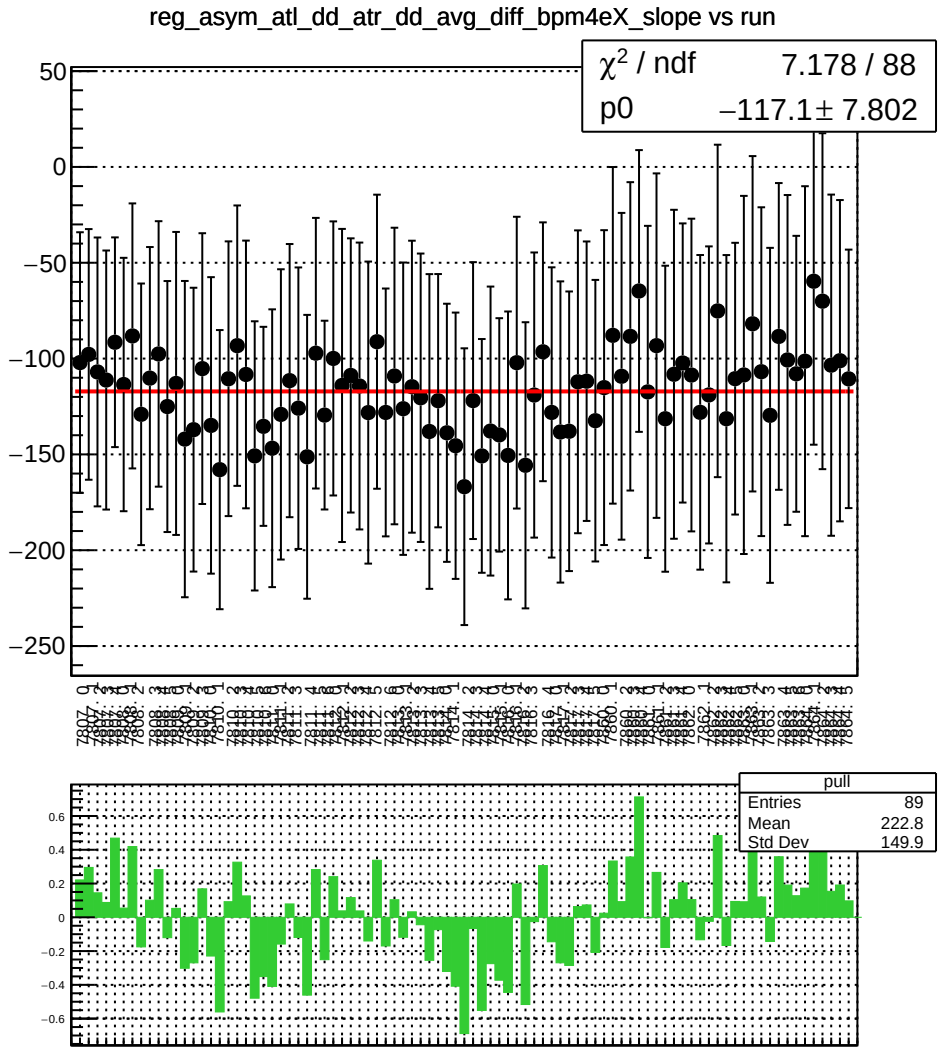

pull1D
Entries 89
Mean −0.08276
Std Dev 0.7665

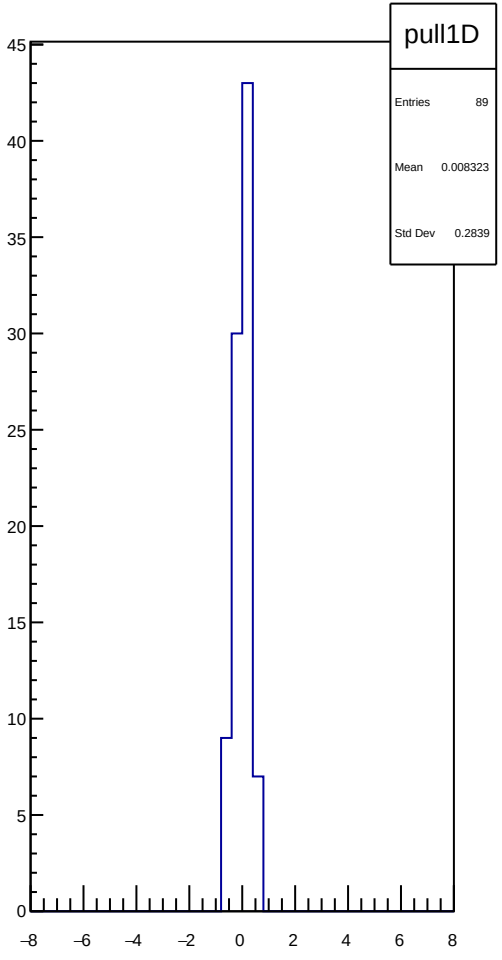

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 6.394 / 88
p0 108.2 ± 8.617
pull
Entries 89
Mean 135.2
Std Dev 29.04

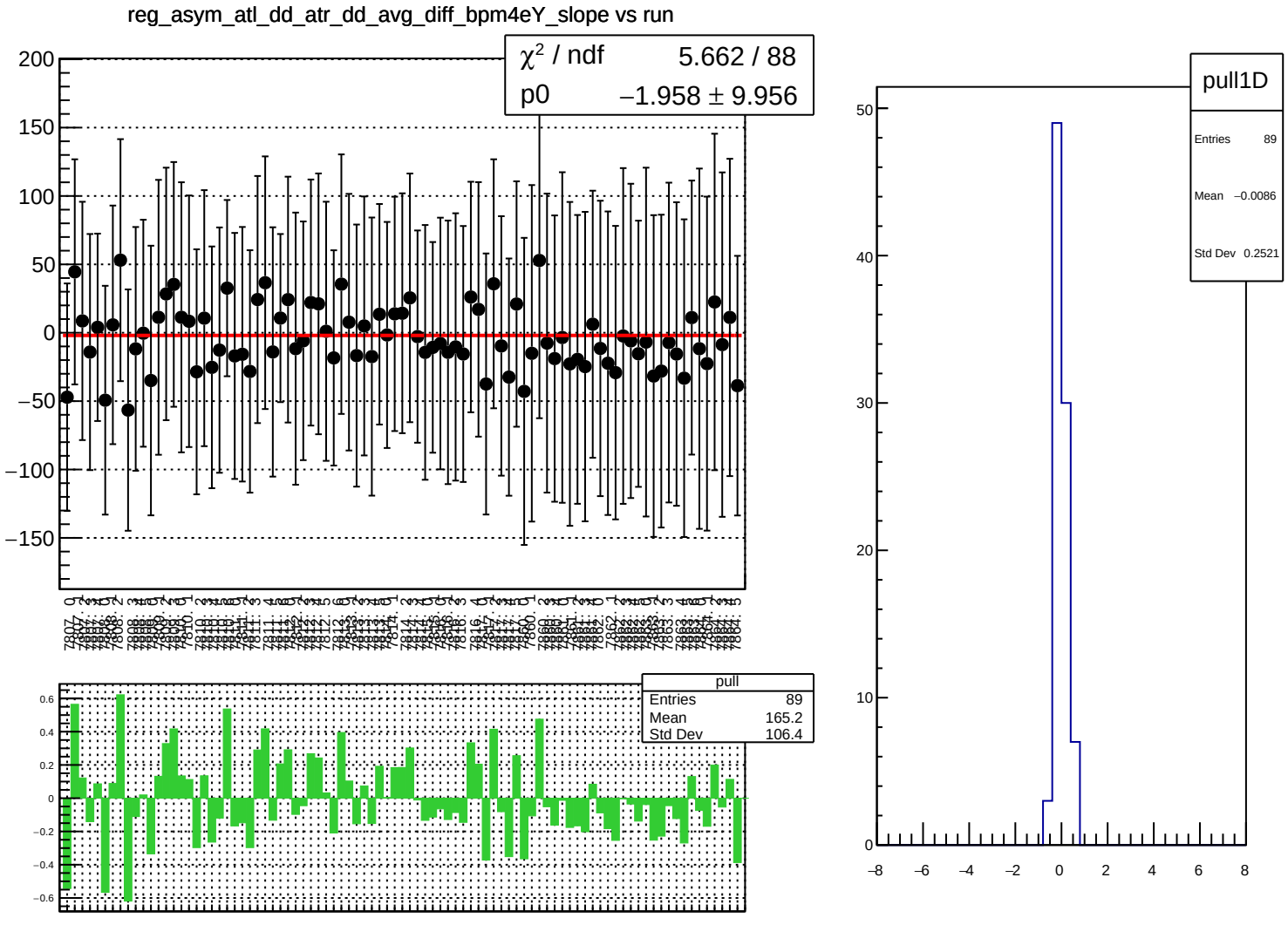

pull1D
Entries 89
Mean −0.00897
Std Dev 0.2679

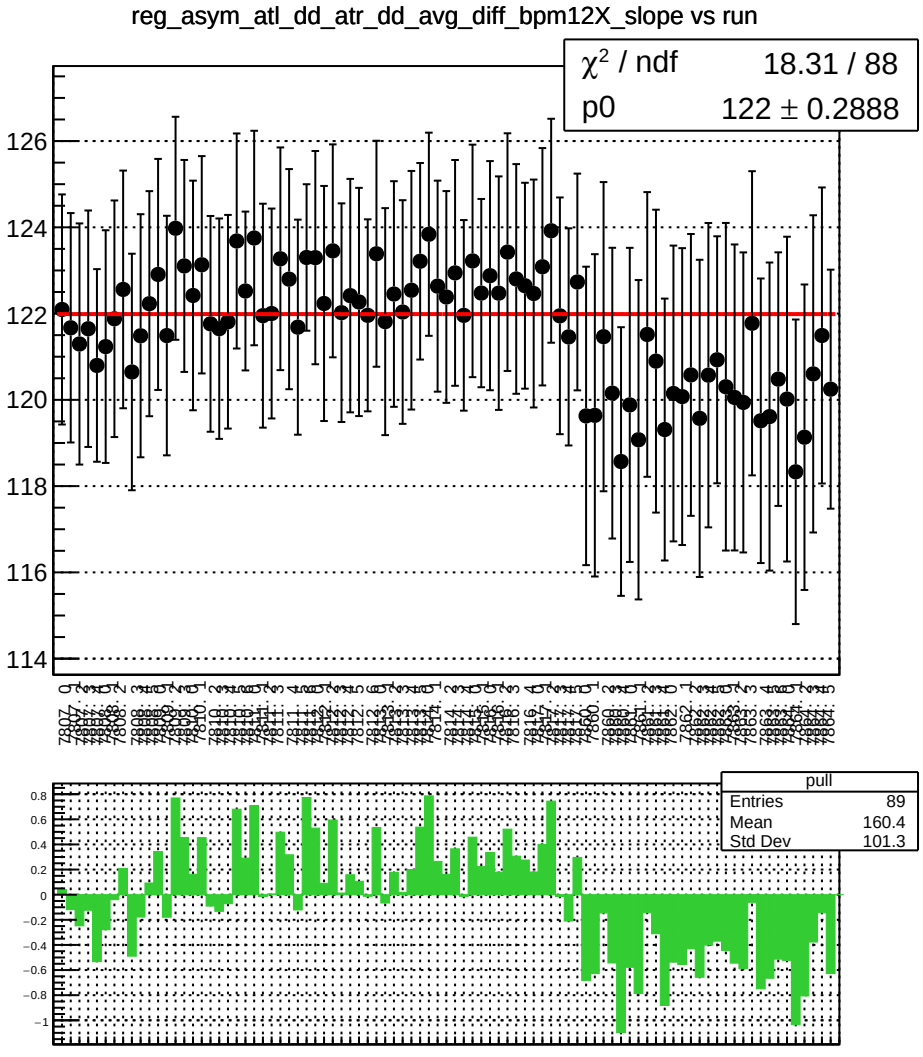

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.659 / 88
p0 −51.74 ± 8.745
pull
Entries 89
Mean 217.6
Std Dev 163.4

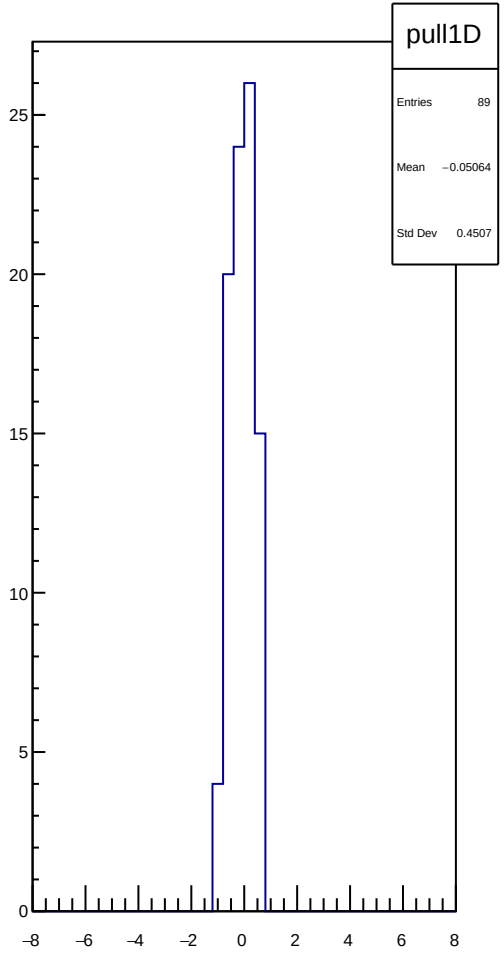

pull1D
Entries 89
Mean 0.02158
Std Dev 0.3112

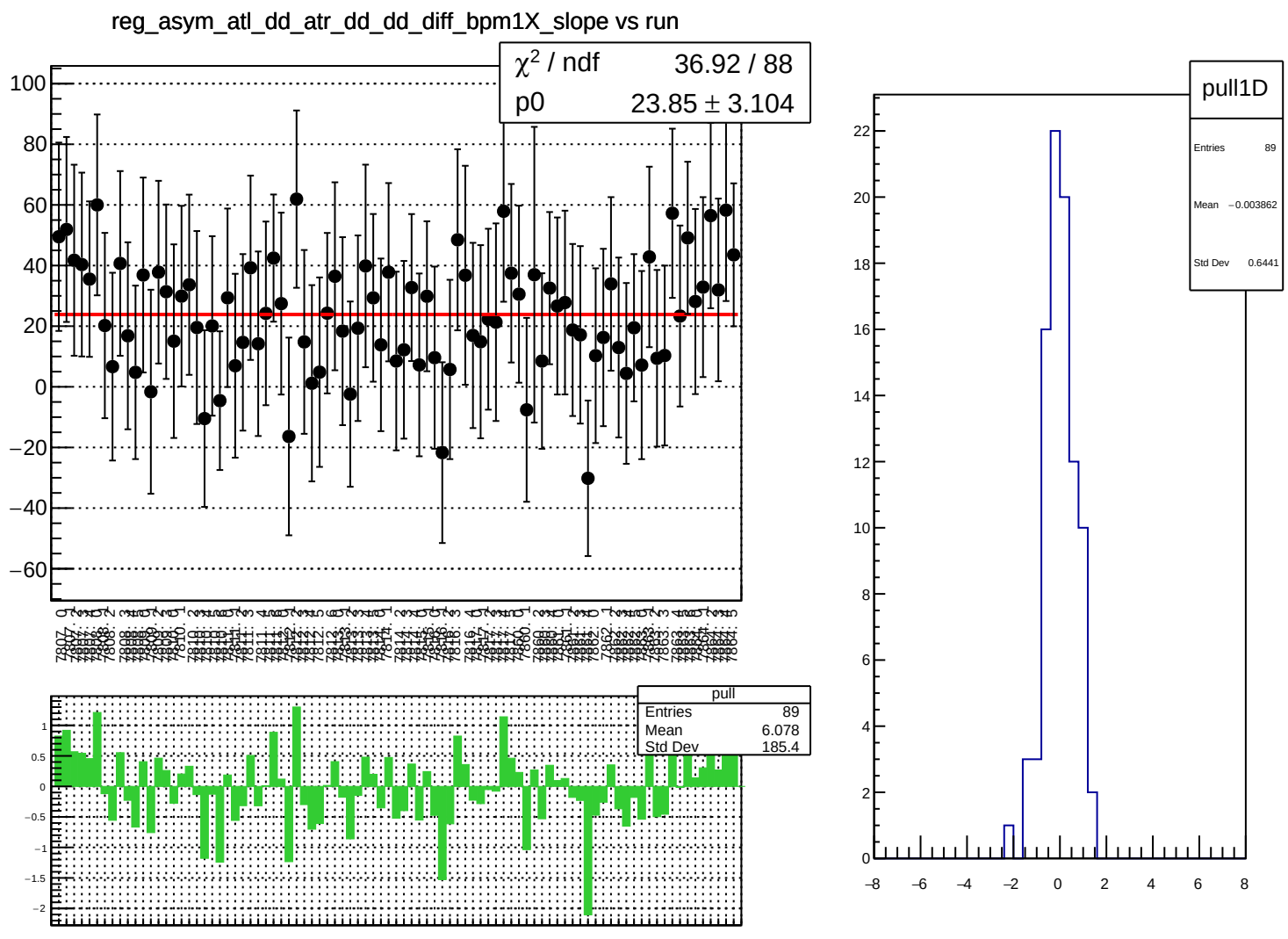

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.178 / 88
p0 −117.1± 7.802
pull
Entries 89
Mean 222.8
Std Dev 149.9

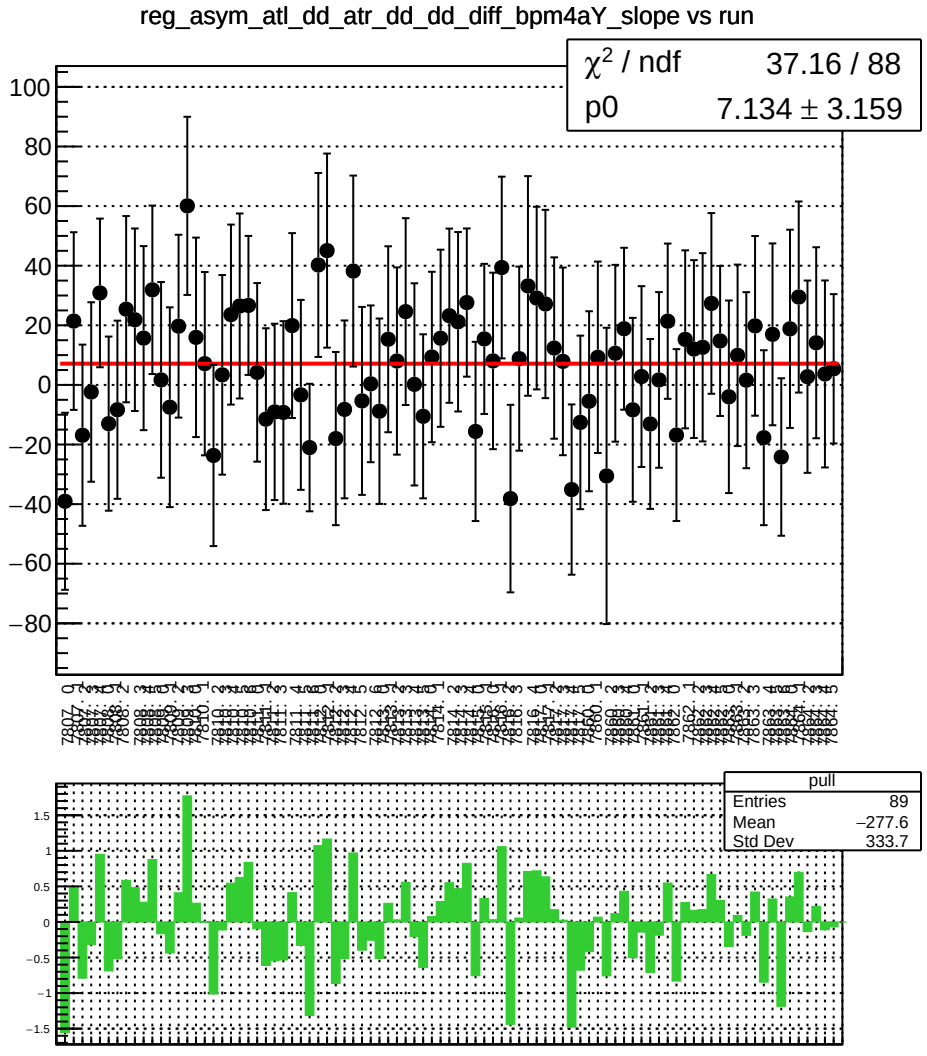

pull1D
Entries 89
Mean 0.008323
Std Dev 0.2839

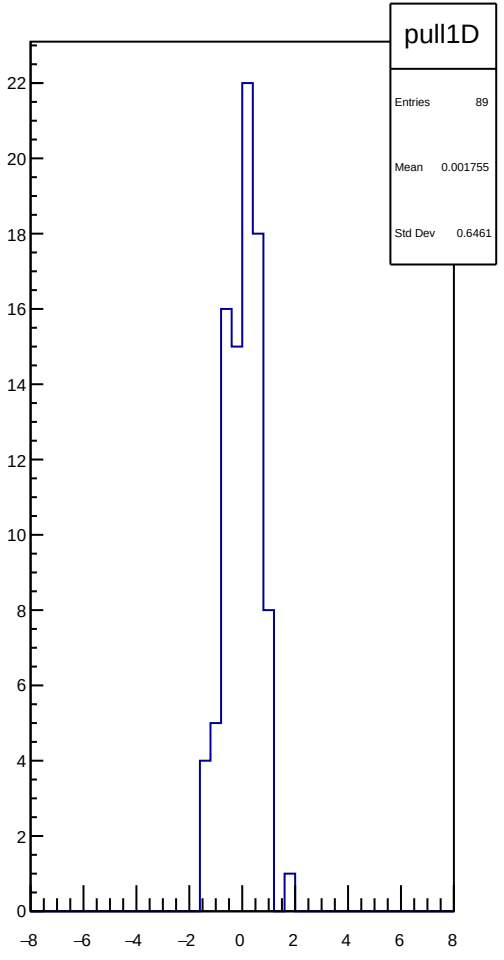

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.662 / 88
p0 −1.958 ± 9.956
pull
Entries 89
Mean 165.2
Std Dev 106.4
pull1D
Entries 89
Mean −0.0086
Std Dev 0.2521

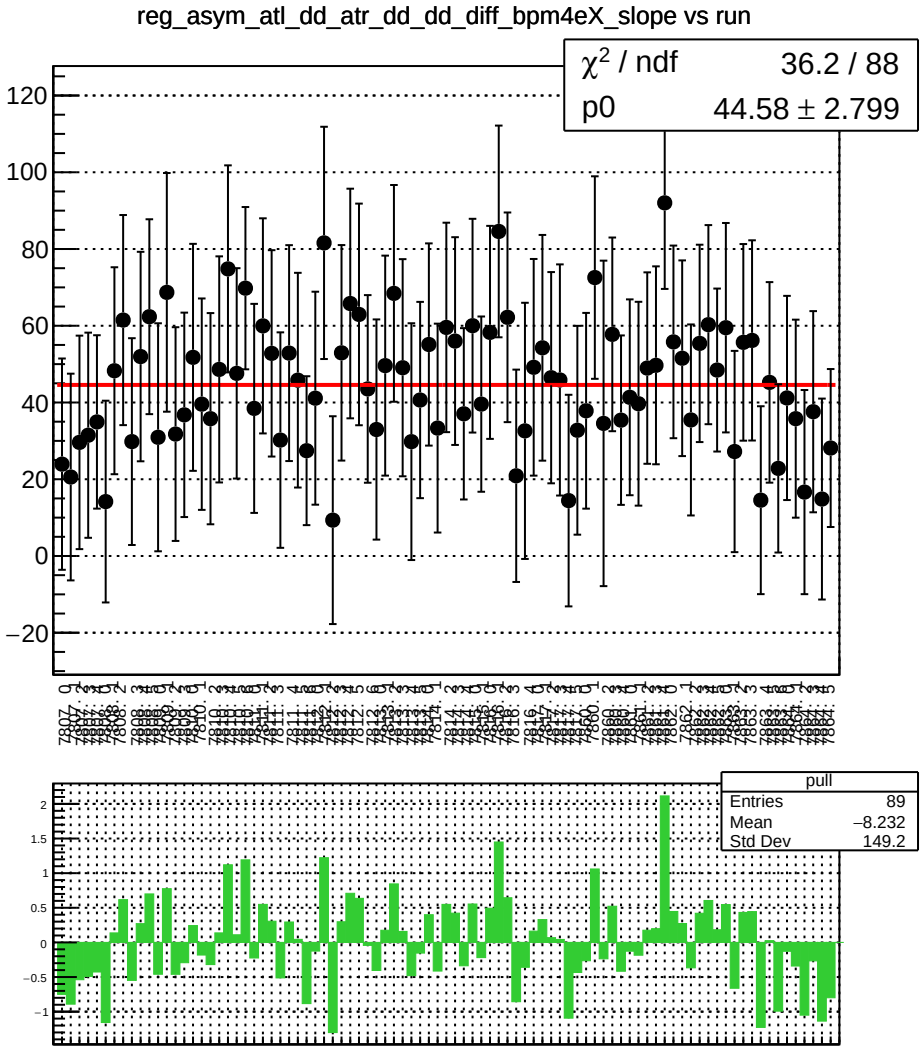

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 18.31 / 88
p0 122 ± 0.2888
126
124
122
120
118
116
114
pull
Entries 89
Mean 160.4
Std Dev 101.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

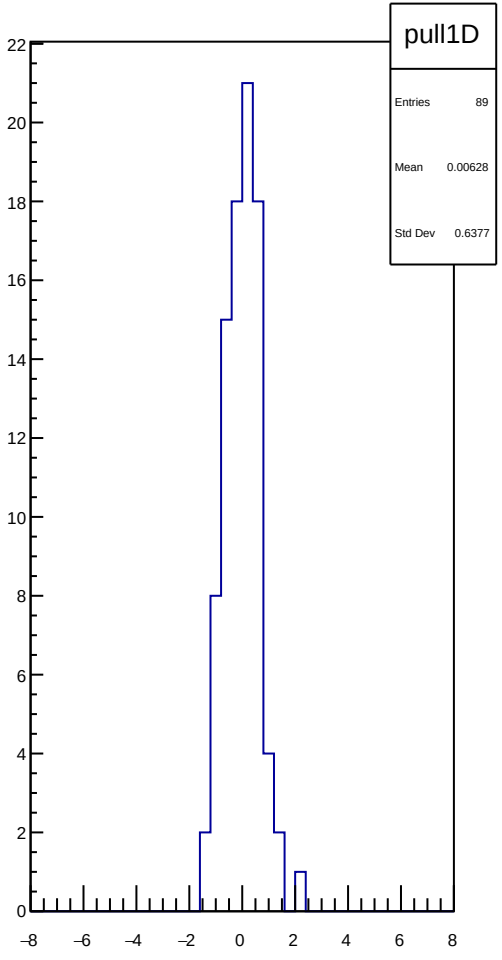

pull1D
Entries 89
Mean −0.05064
Std Dev 0.4507
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

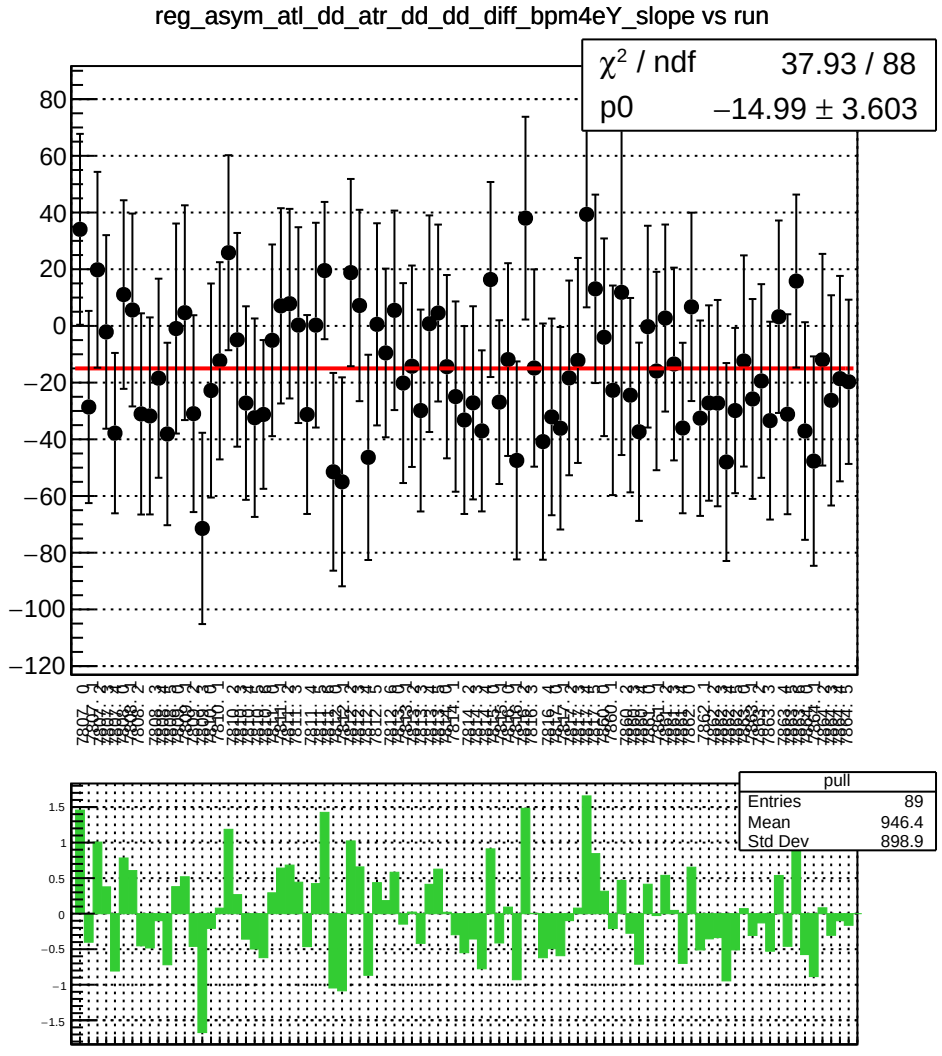

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 36.92 / 88
p0 23.85 ± 3.104
pull
Entries 89
Mean 6.078
Std Dev 185.4
pull1D
Entries 89
Mean −0.003862
Std Dev 0.6441

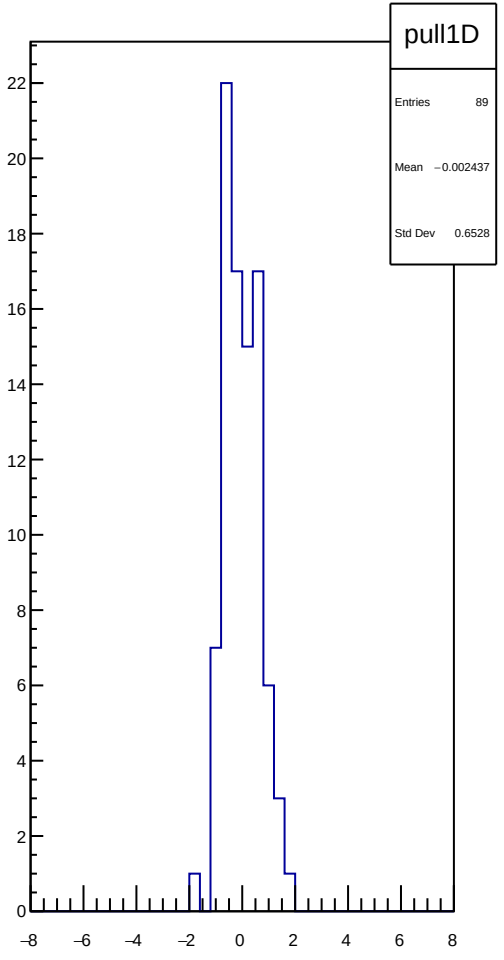

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.16 / 88
p0 7.134 ± 3.159
pull
Entries 89
Mean −277.6
Std Dev 333.7

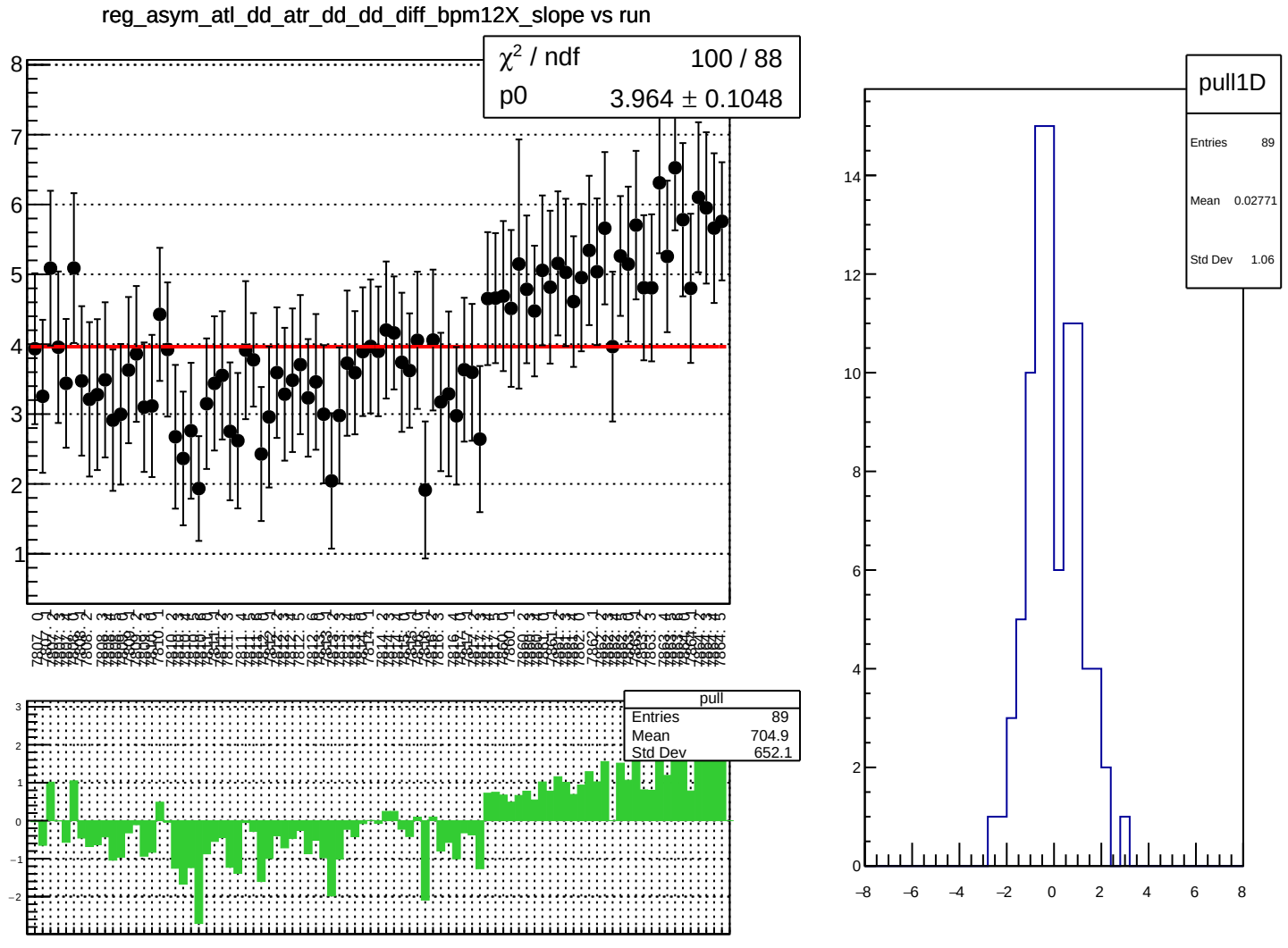

pull1D
Entries 89
Mean 0.001755
Std Dev 0.6461

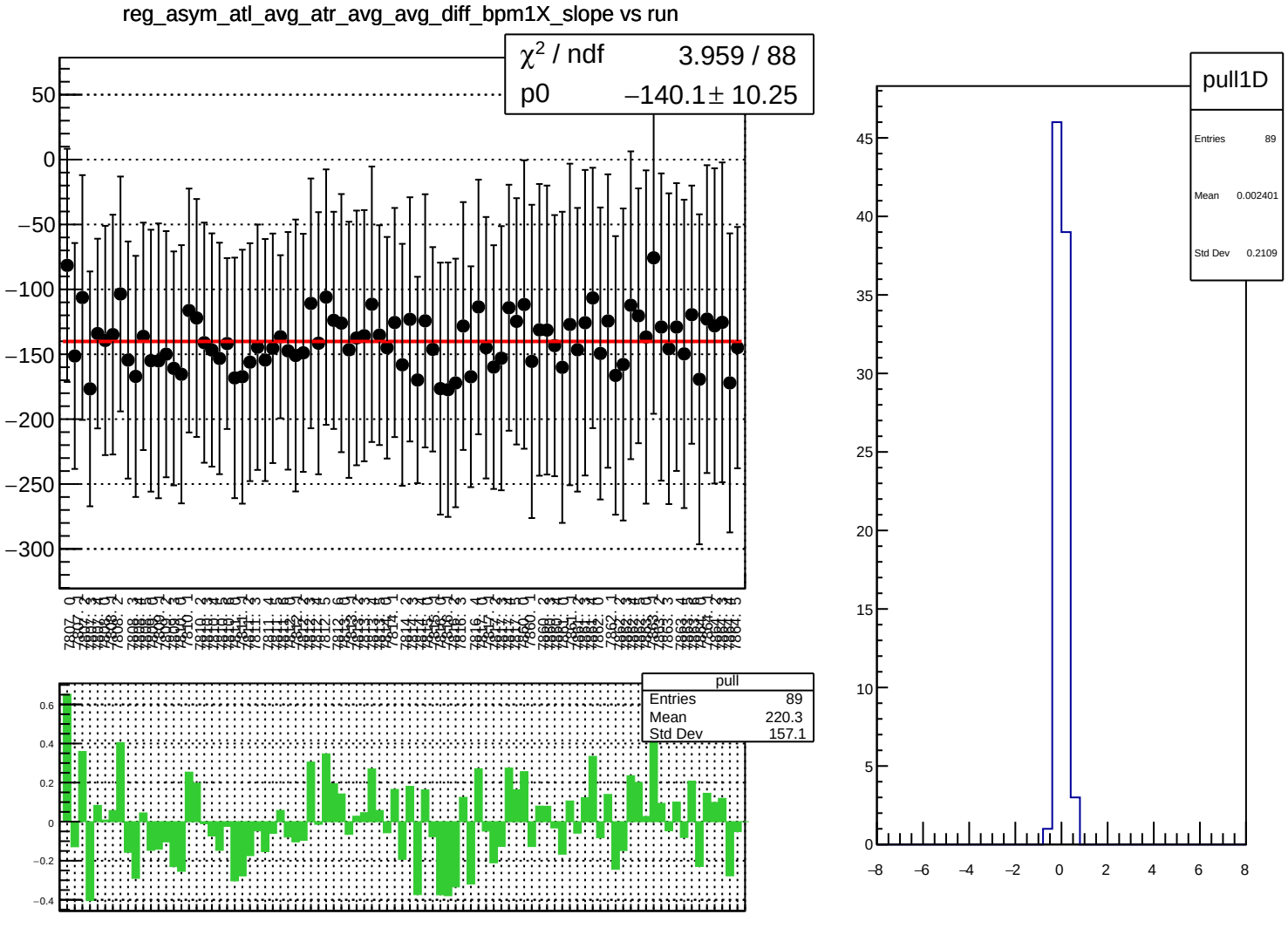

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.2 / 88
p0 44.58 ± 2.799
pull
Entries 89
Mean −8.232
Std Dev 149.2

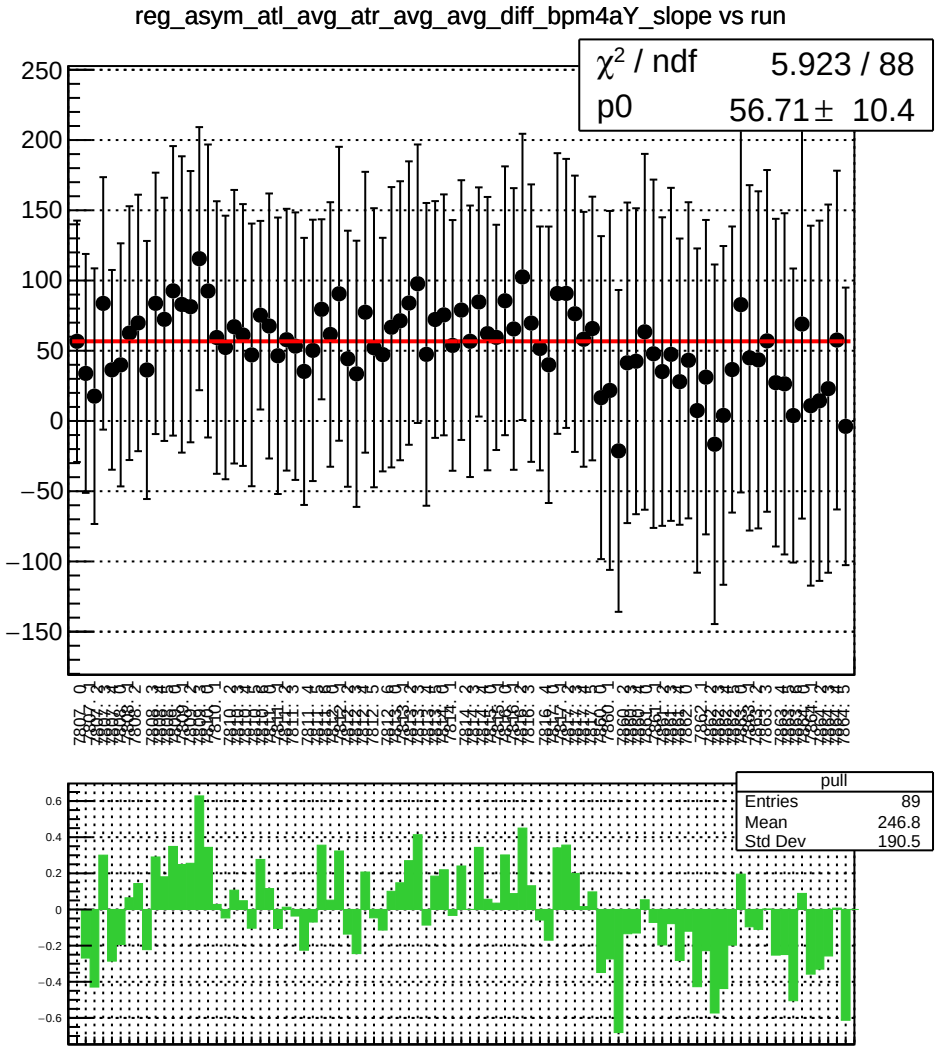

pull1D
Entries 89
Mean 0.00628
Std Dev 0.6377

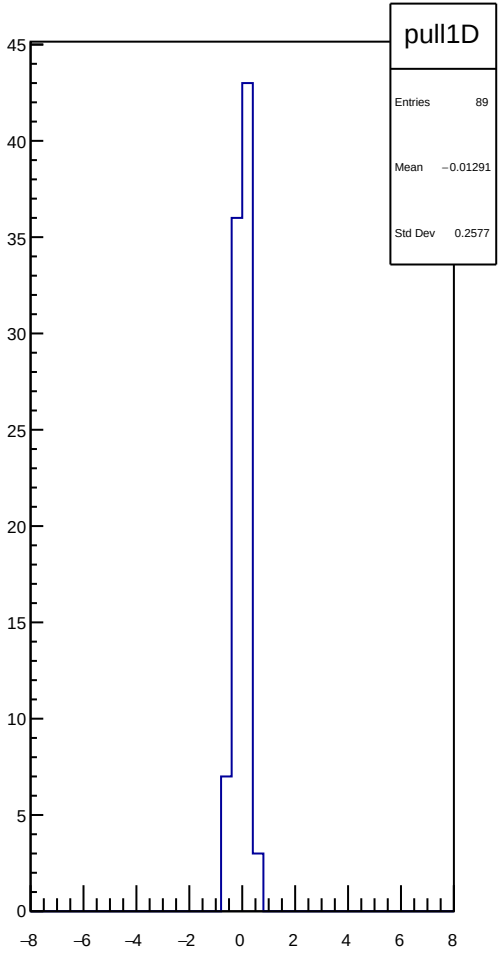

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.93 / 88
p0 −14.99 ± 3.603
pull
Entries 89
Mean 946.4
Std Dev 898.9

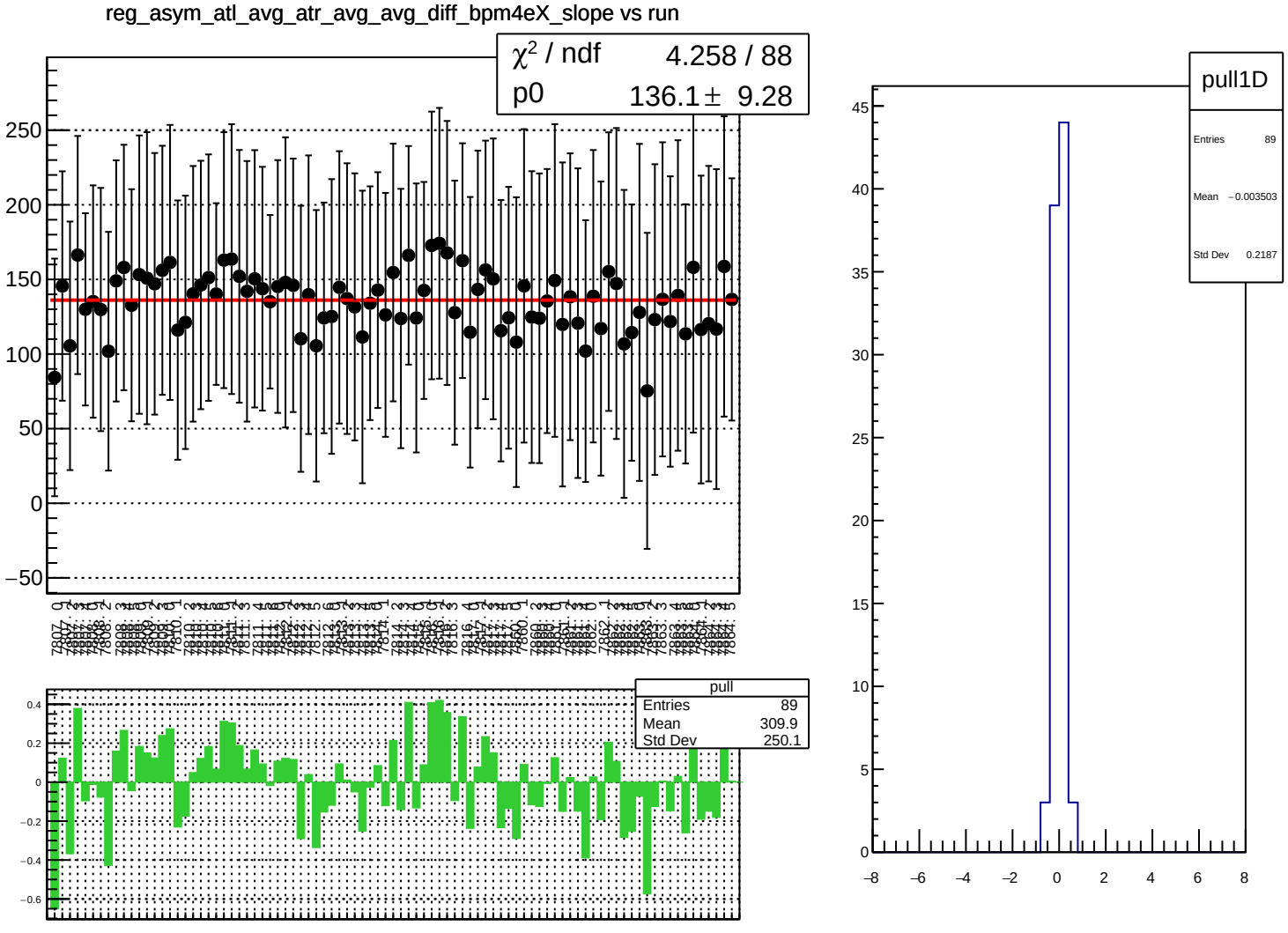

pull1D
Entries 89
Mean −0.002437
Std Dev 0.6528

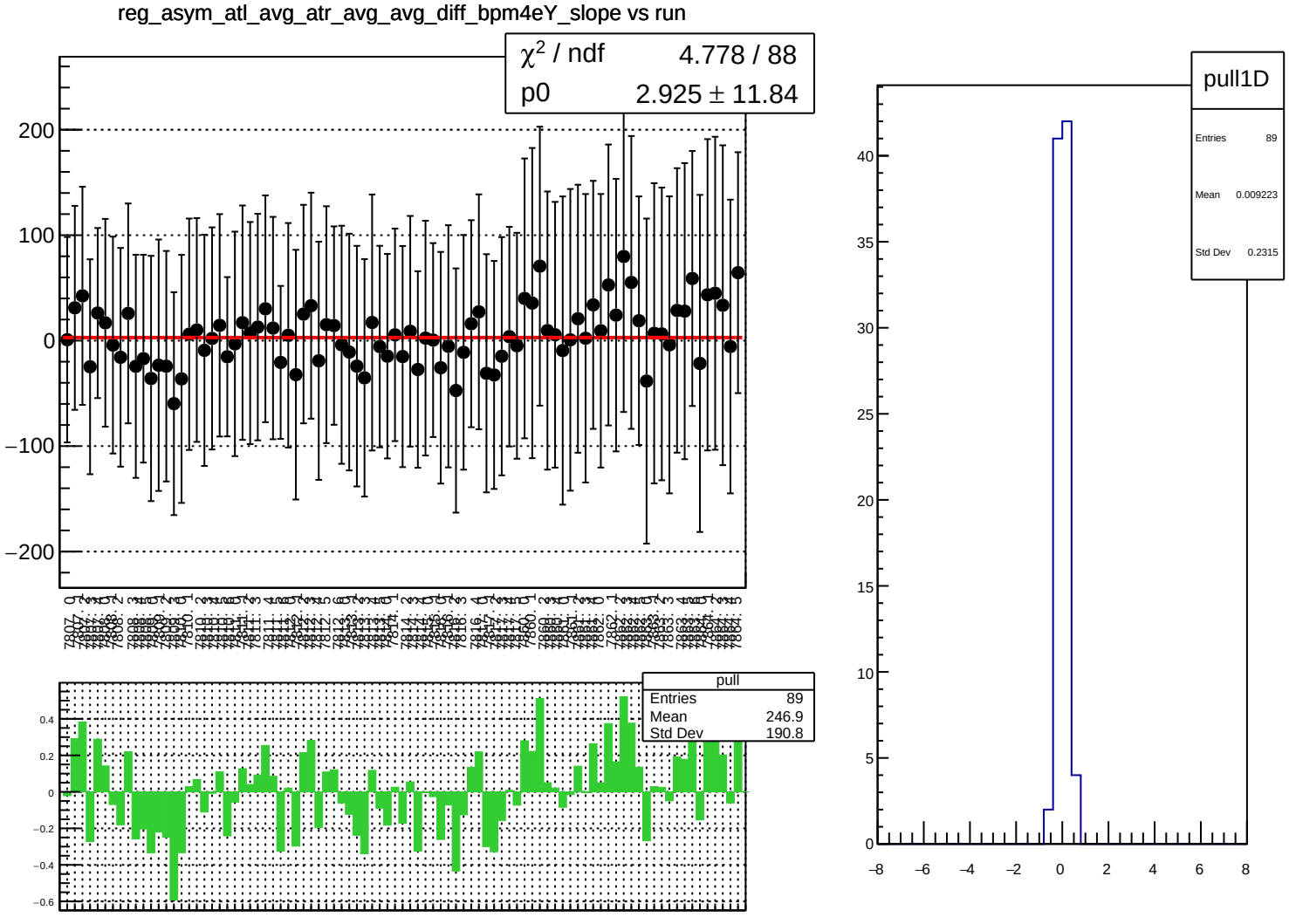

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 100 / 88
p0 3.964 ± 0.1048
pull
Entries 89
Mean 704.9
Std Dev 652.1
pull1D
Entries 89
Mean 0.02771
Std Dev 1.06

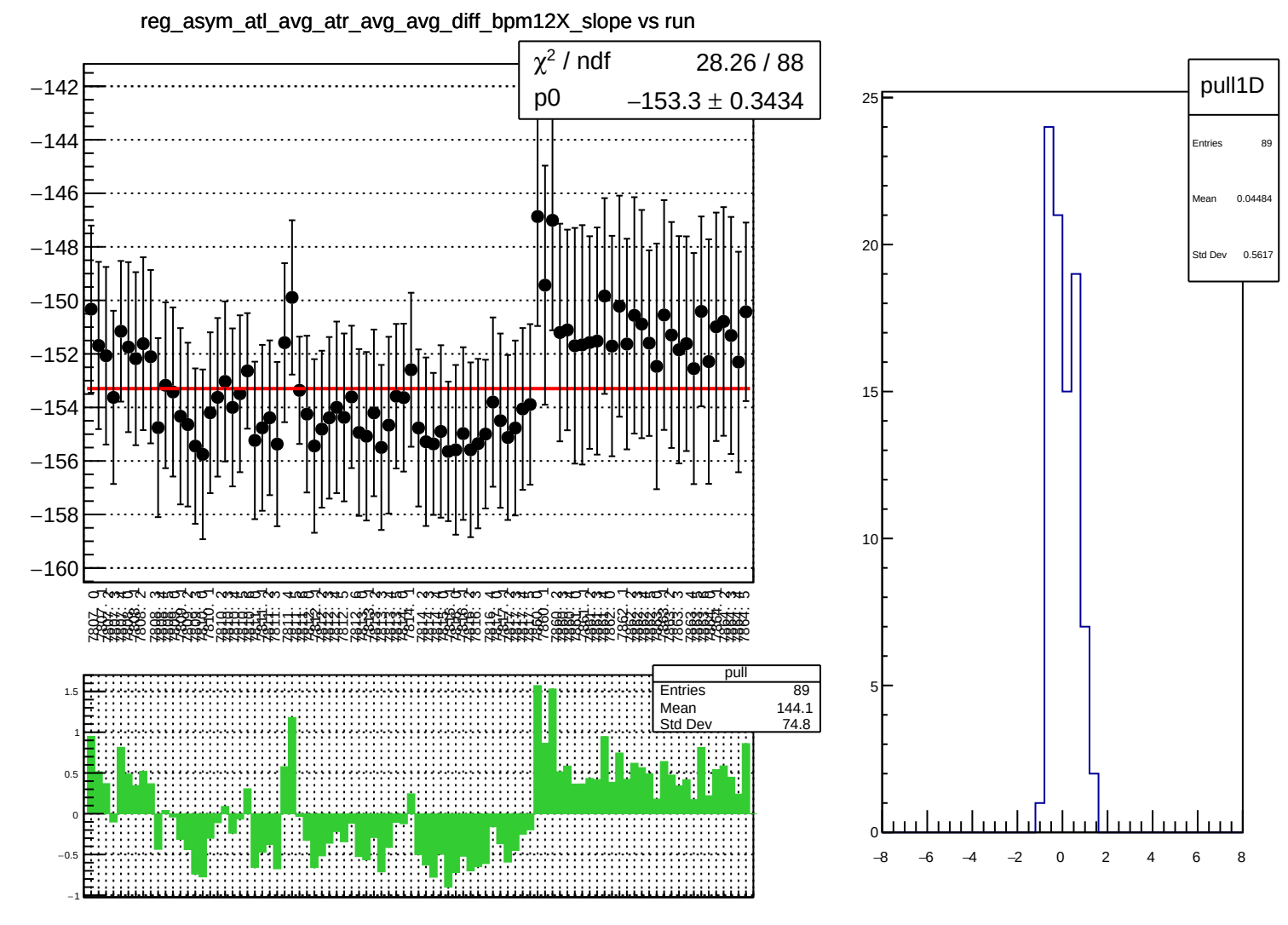

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 3.959 / 88
p0 −140.1± 10.25
pull
Entries 89
Mean 220.3
Std Dev 157.1
pull1D
Entries 89
Mean 0.002401
Std Dev 0.2109

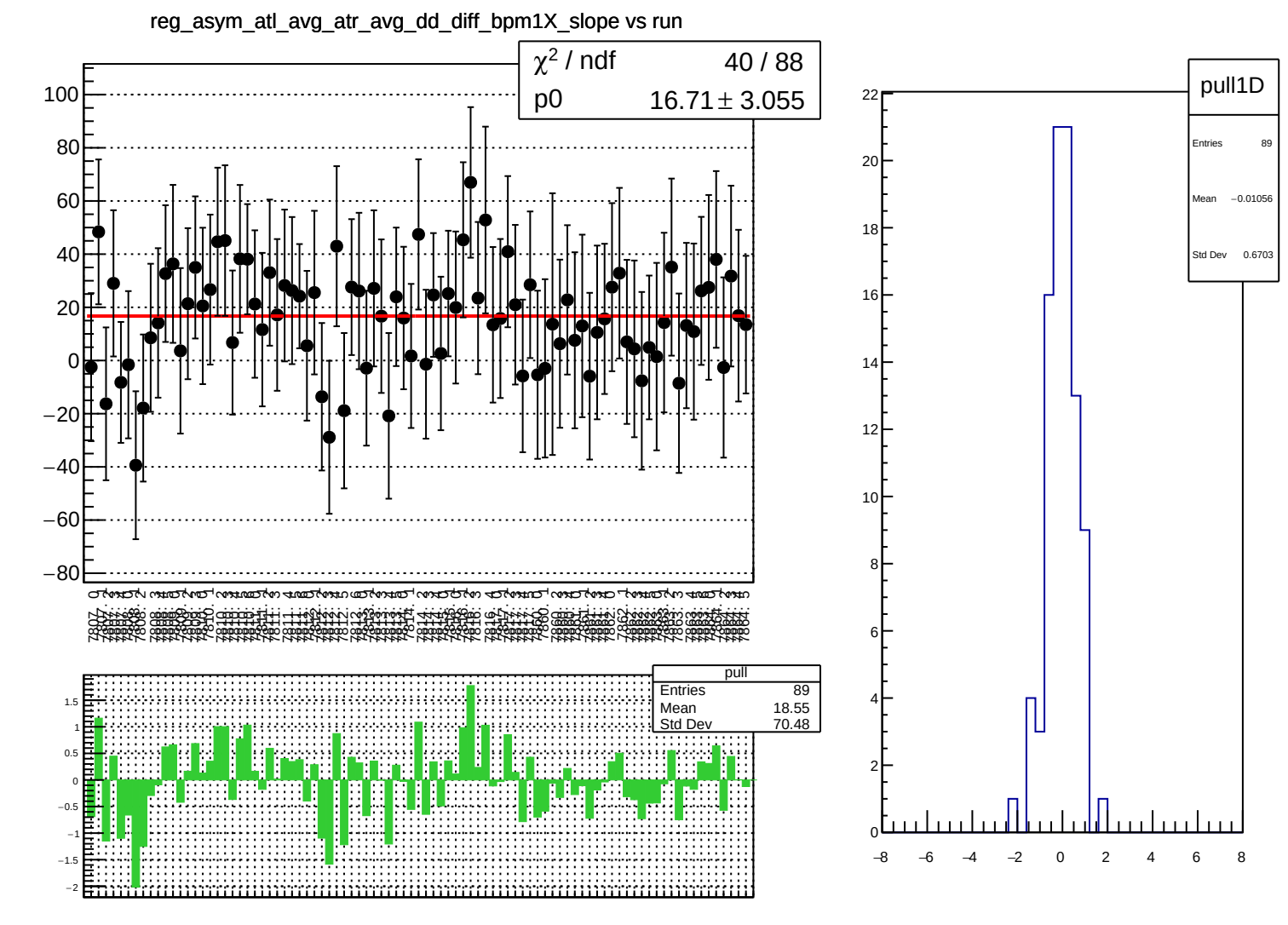

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.923 / 88
p0 56.71 ± 10.4
pull
Entries 89
Mean 246.8
Std Dev 190.5

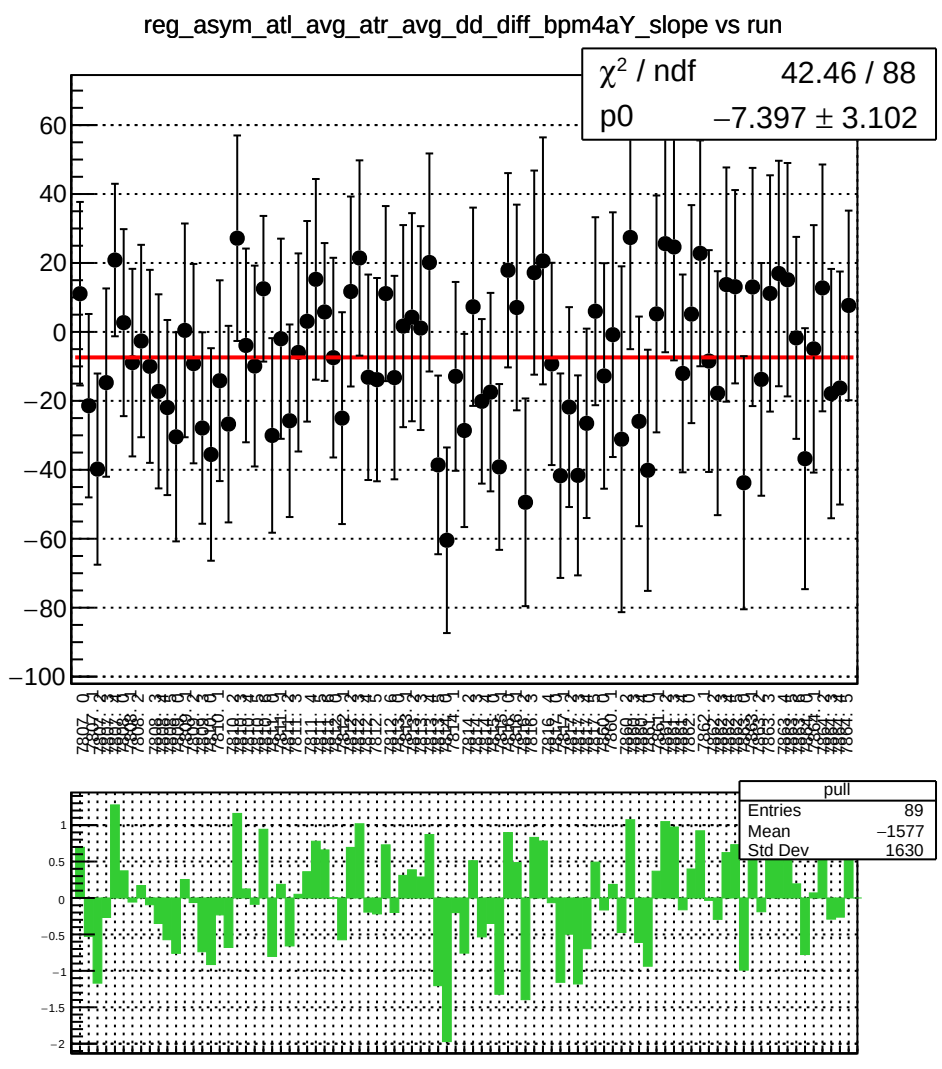

pull1D
Entries 89
Mean −0.01291
Std Dev 0.2577

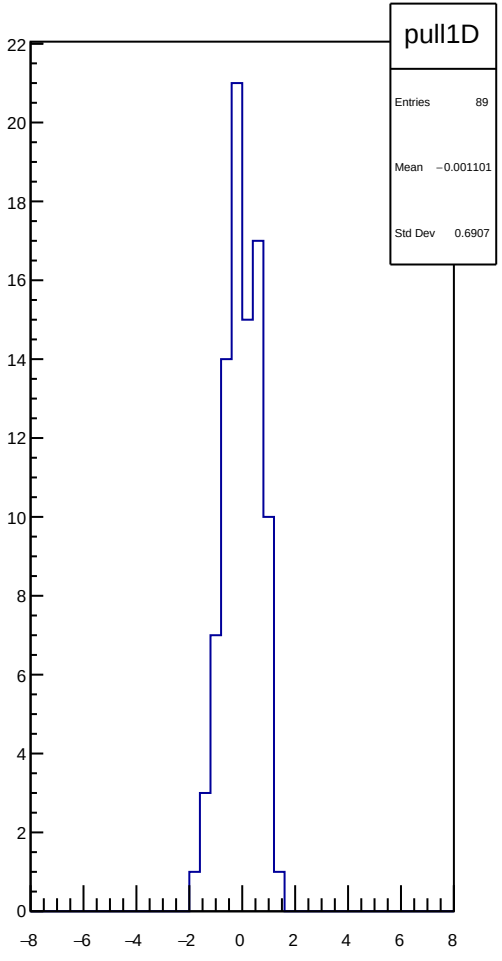

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.258 / 88
p0 136.1 ± 9.28
pull
Entries 89
Mean 309.9
Std Dev 250.1
pull1D
Entries 89
Mean −0.003503
Std Dev 0.2187

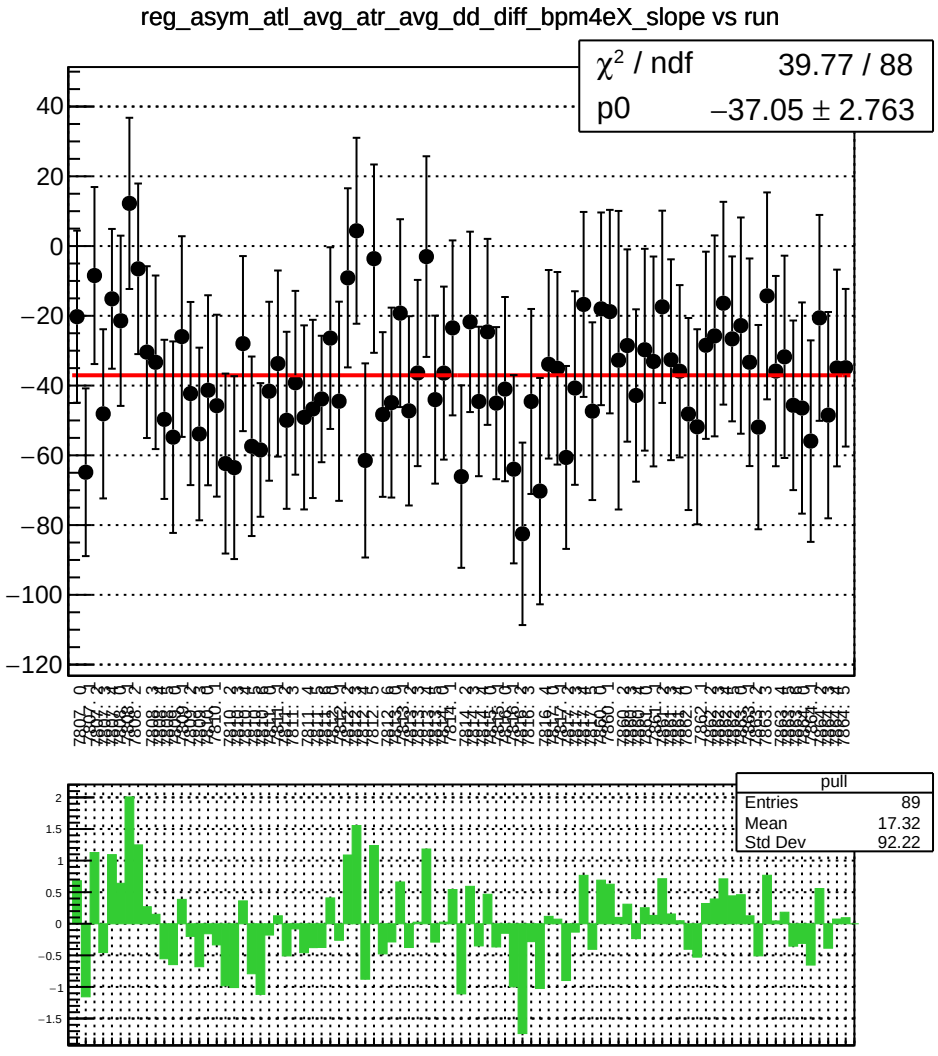

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.778 / 88
p0 2.925 ± 11.84
200
100
0
−100
−200
pull
Entries 89
Mean 246.9
Std Dev 190.8
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 89
Mean 0.009223
Std Dev 0.2315
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

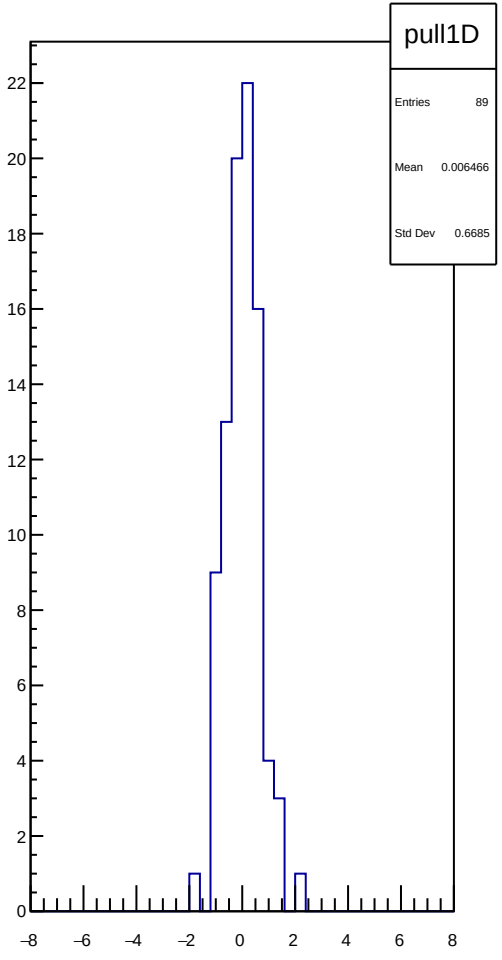

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 28.26 / 88
p0 −153.3 ± 0.3434
pull
Entries 89
Mean 144.1
Std Dev 74.8
pull1D
Entries 89
Mean 0.04484
Std Dev 0.5617

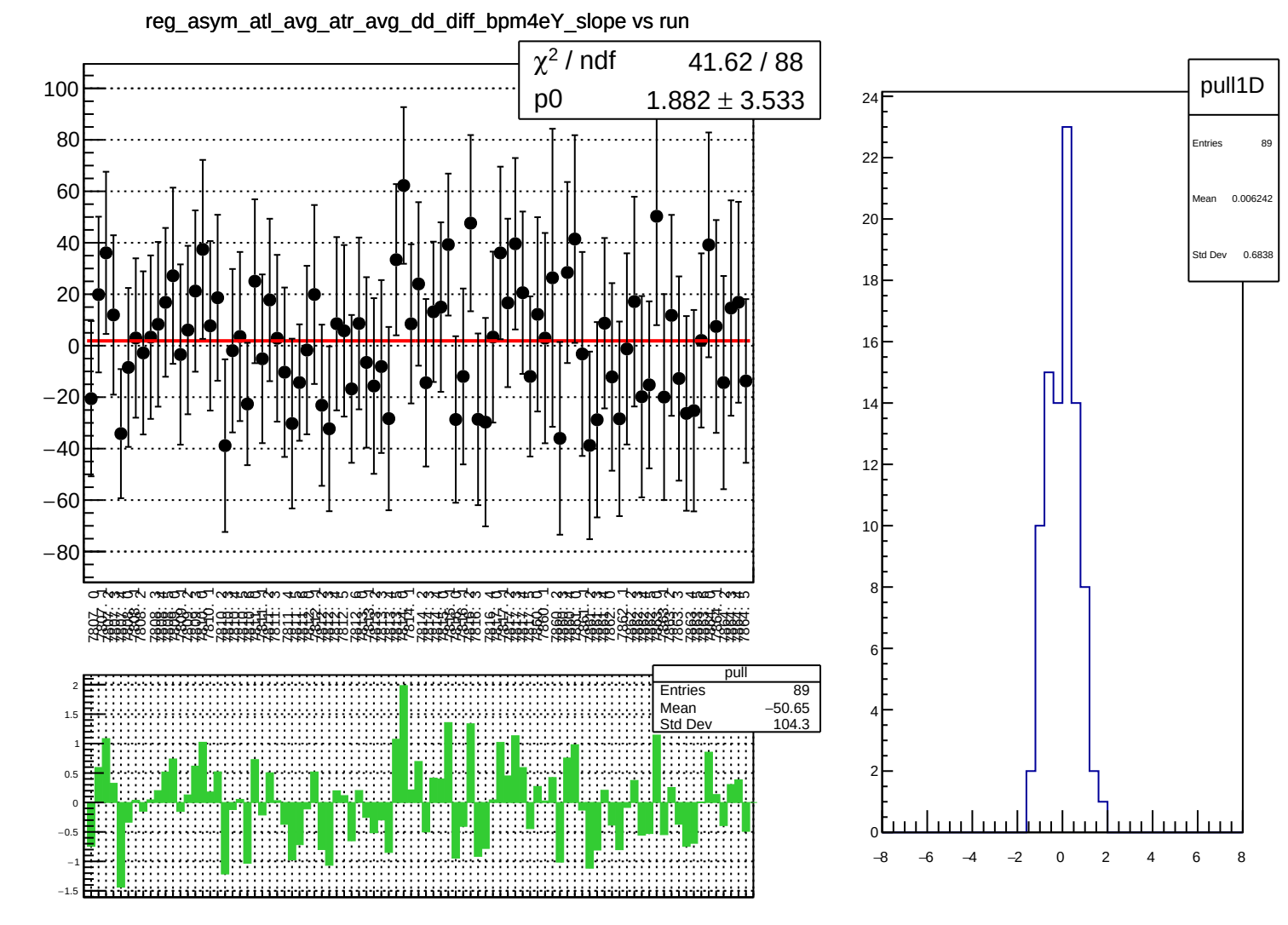

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 40 / 88
p0 16.71 ± 3.055
pull
Entries 89
Mean 18.55
Std Dev 70.48
pull1D
Entries 89
Mean −0.01056
Std Dev 0.6703

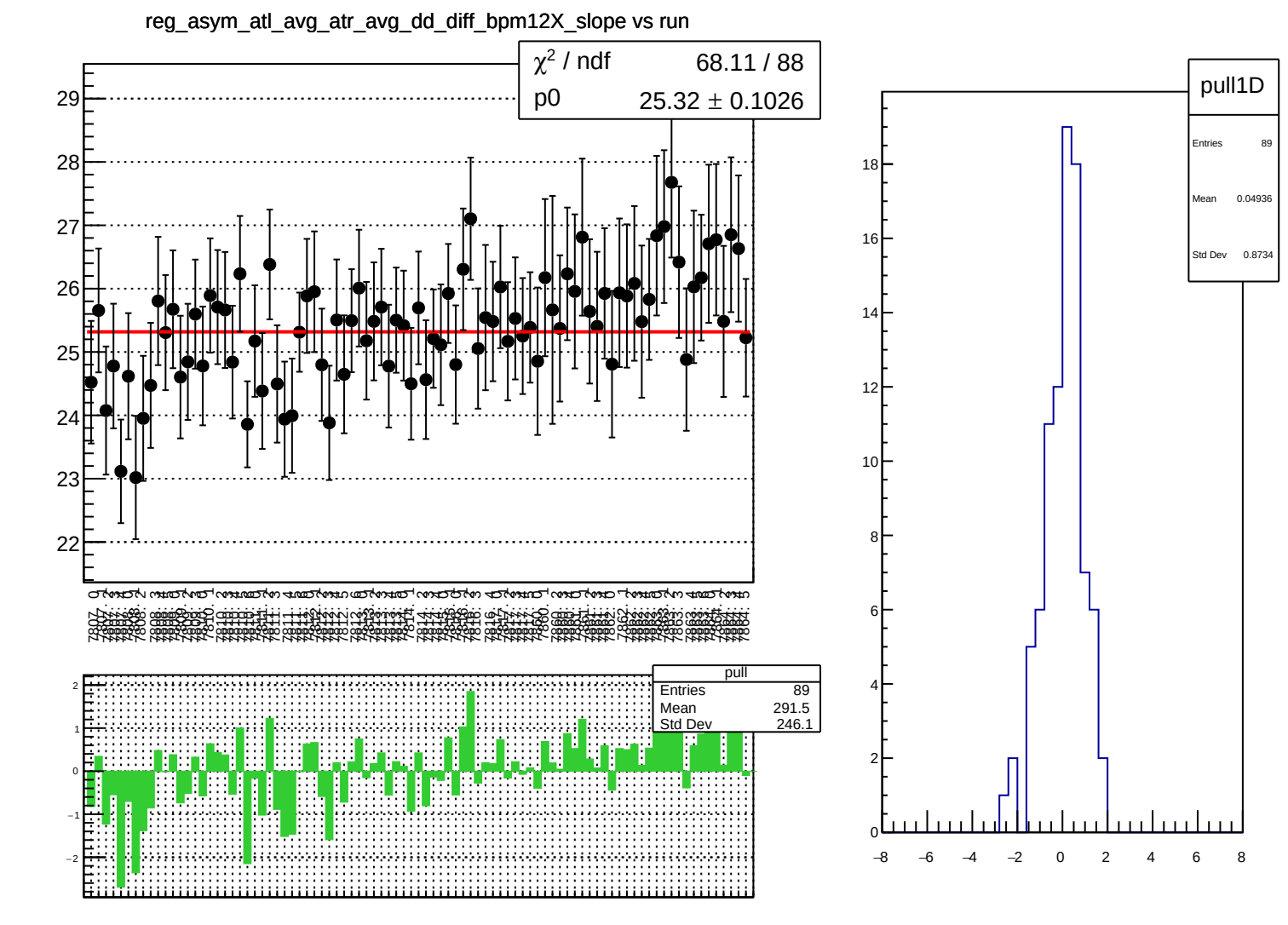

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.46 / 88
p0 −7.397 ± 3.102
pull
Entries 89
Mean −1577
Std Dev 1630

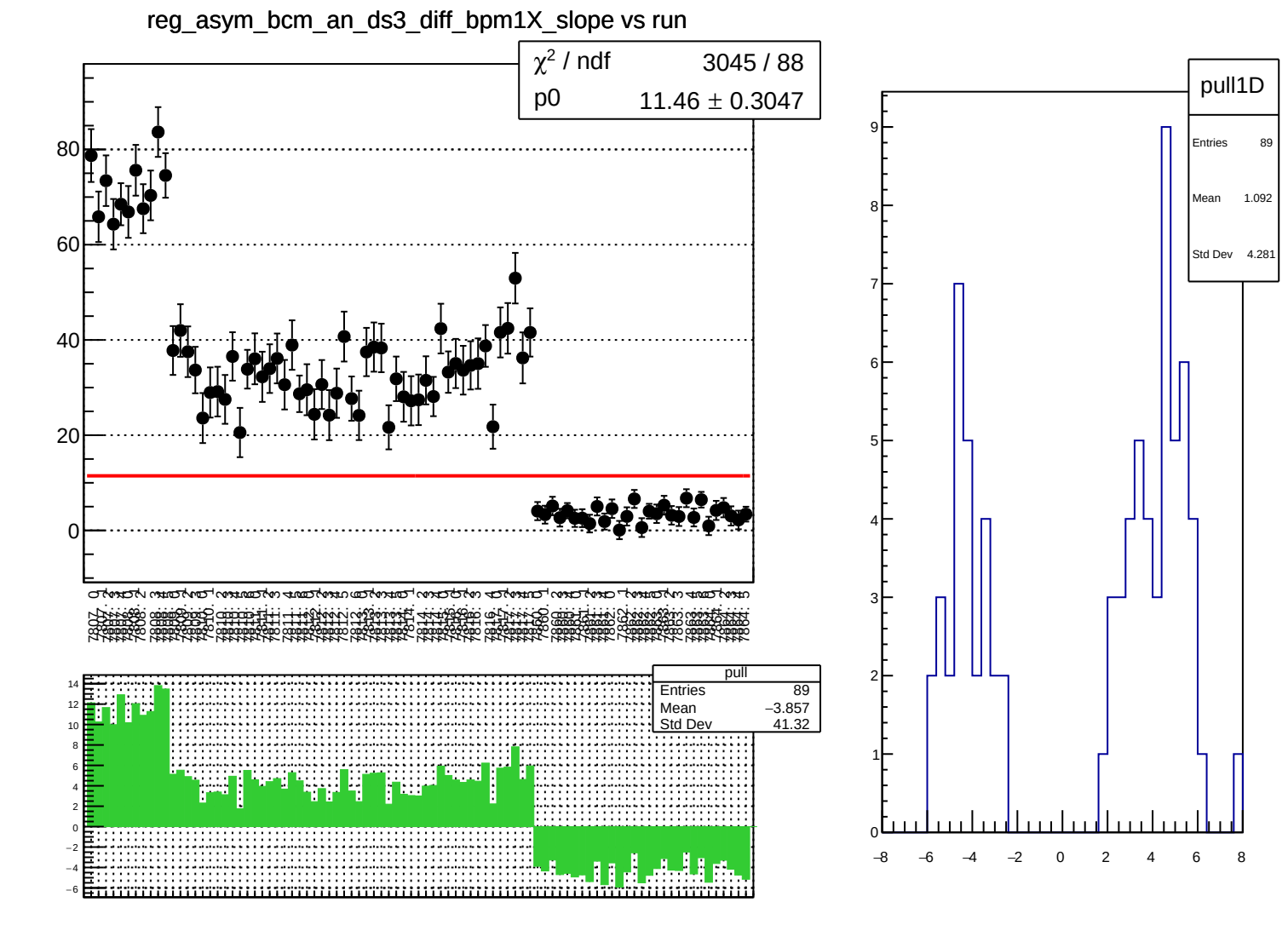

pull1D
Entries 89
Mean −0.001101
Std Dev 0.6907

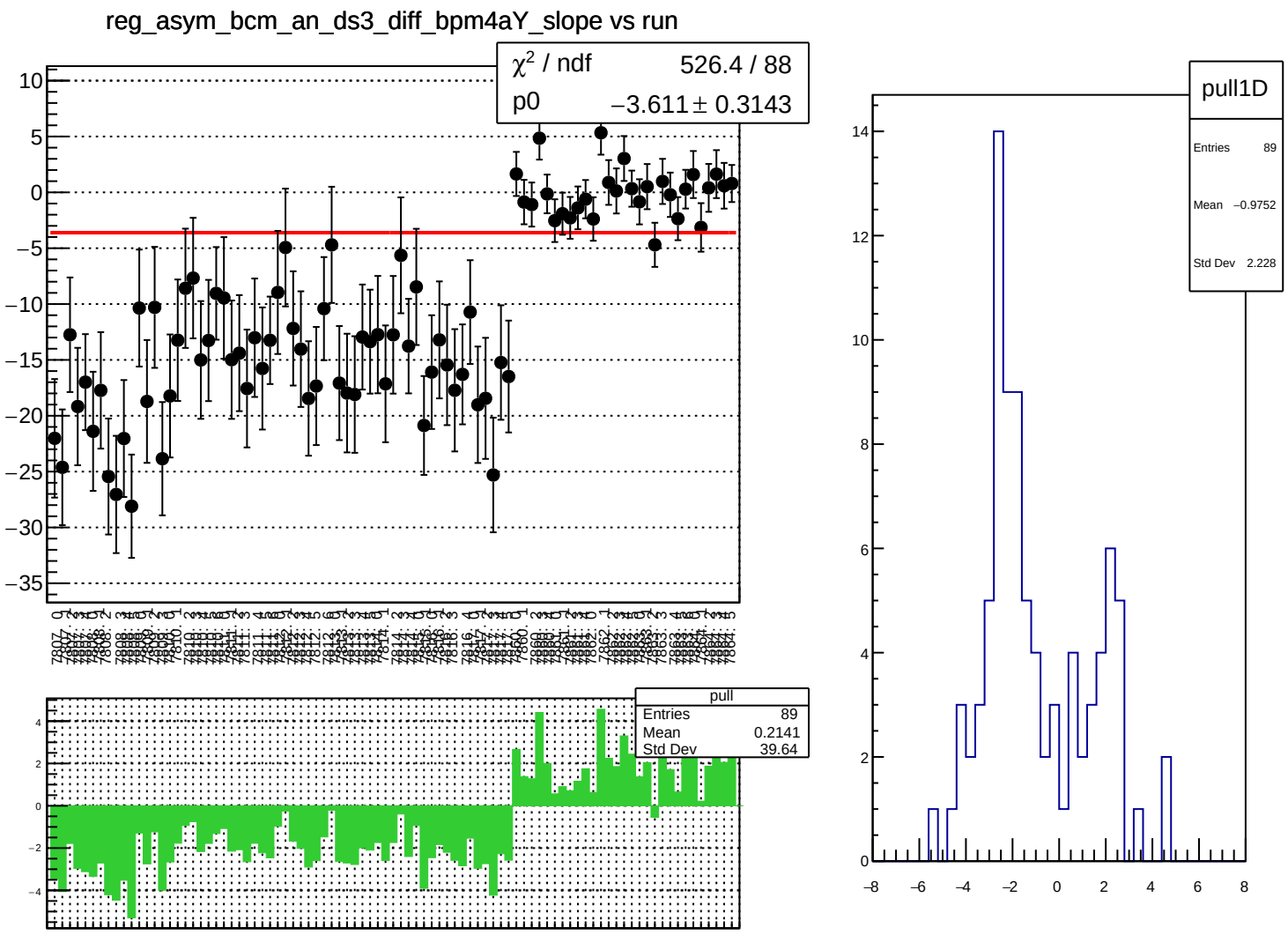

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.77 / 88
p0 −37.05 ± 2.763
pull
Entries 89
Mean 17.32
Std Dev 92.22

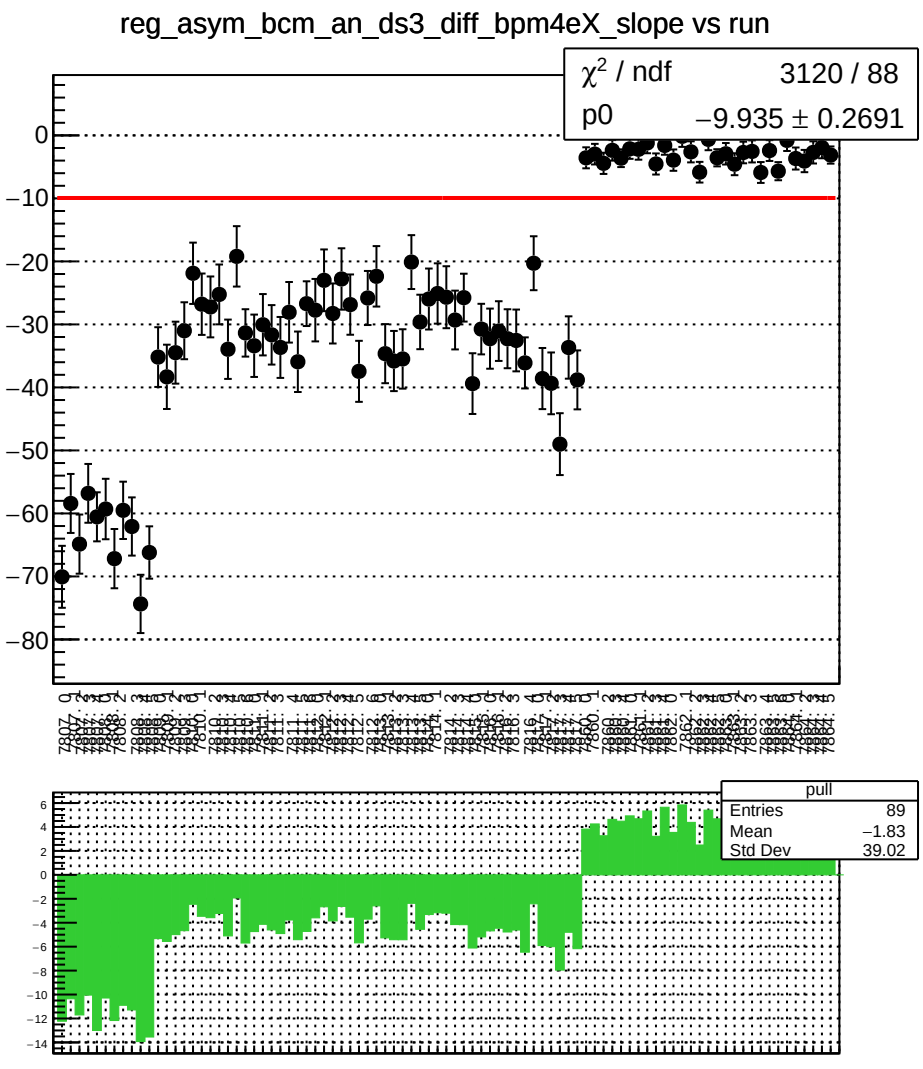

pull1D
Entries 89
Mean 0.006466
Std Dev 0.6685

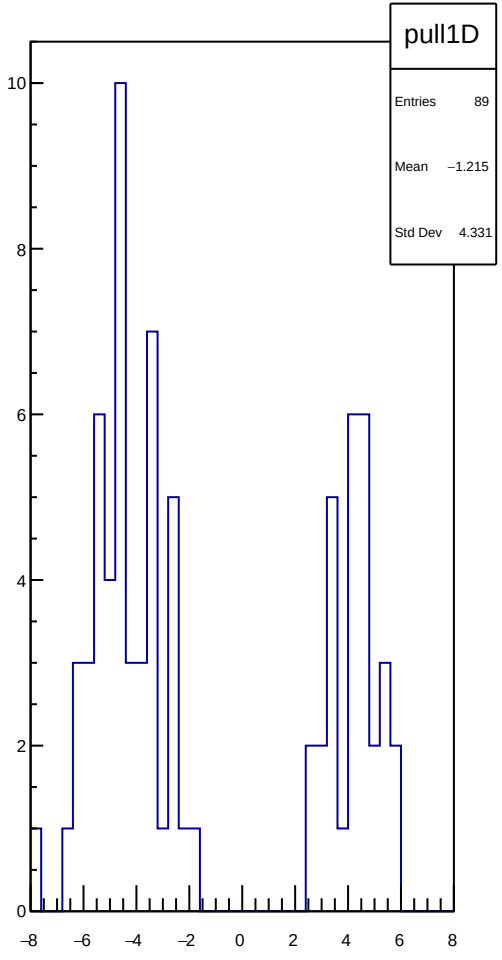

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.62 / 88
p0 1.882 ± 3.533
pull
Entries 89
Mean −50.65
Std Dev 104.3
pull1D
Entries 89
Mean 0.006242
Std Dev 0.6838

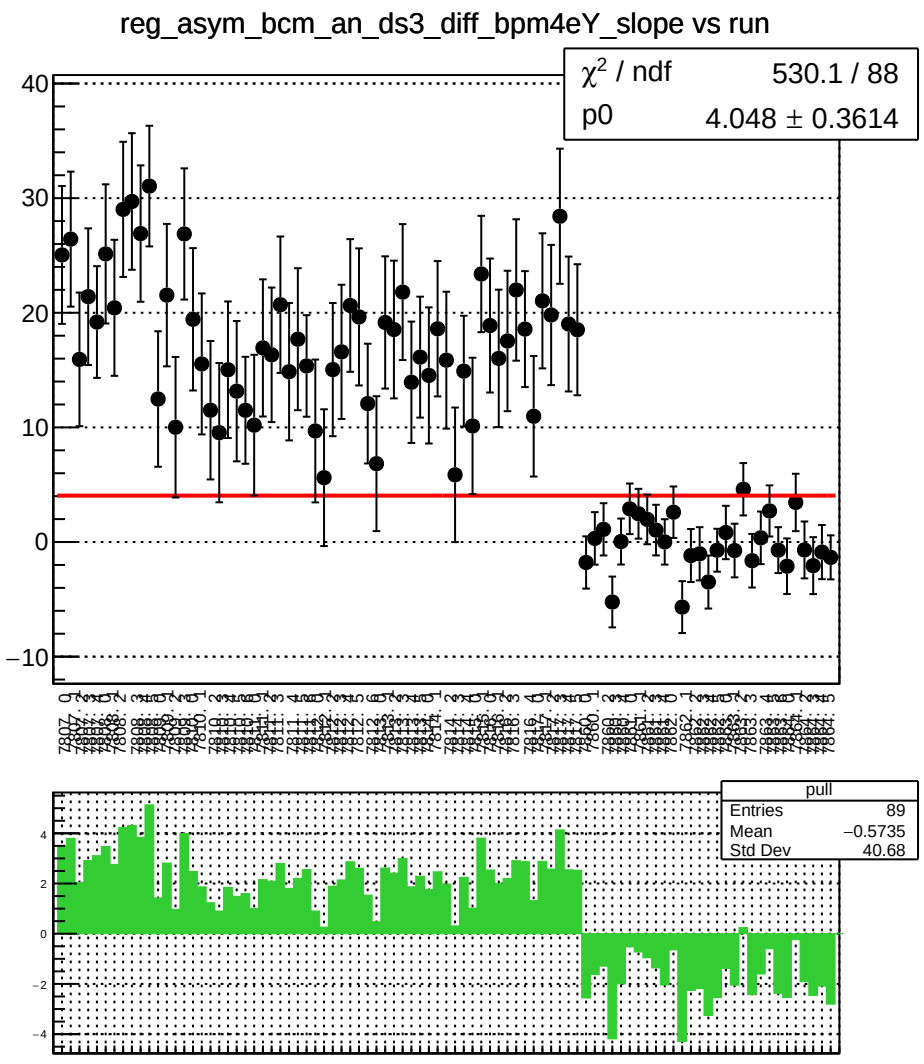

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 68.11 / 88
p0 25.32 ± 0.1026
pull
Entries 89
Mean 291.5
Std Dev 246.1
pull1D
Entries 89
Mean 0.04936
Std Dev 0.8734

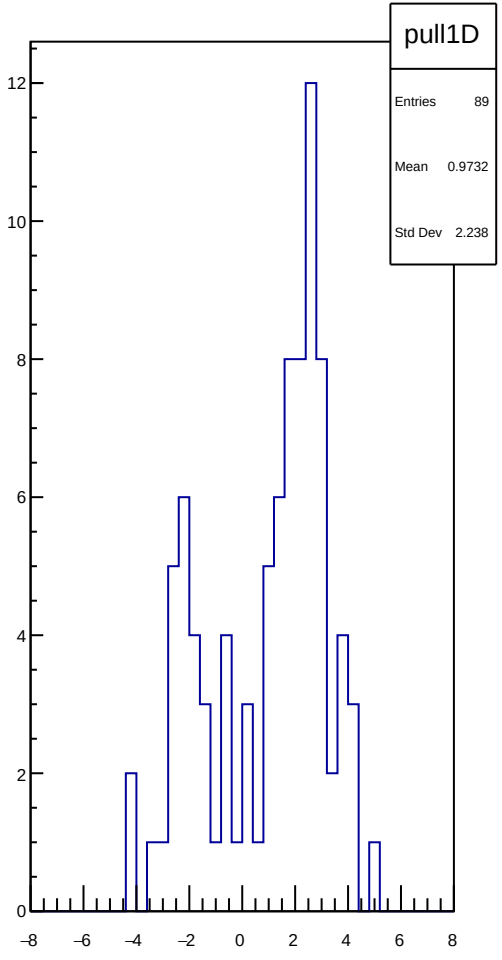

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 3045 / 88
p0 11.46 ± 0.3047
pull
Entries 89
Mean −3.857
Std Dev 41.32
pull1D
Entries 89
Mean 1.092
Std Dev 4.281

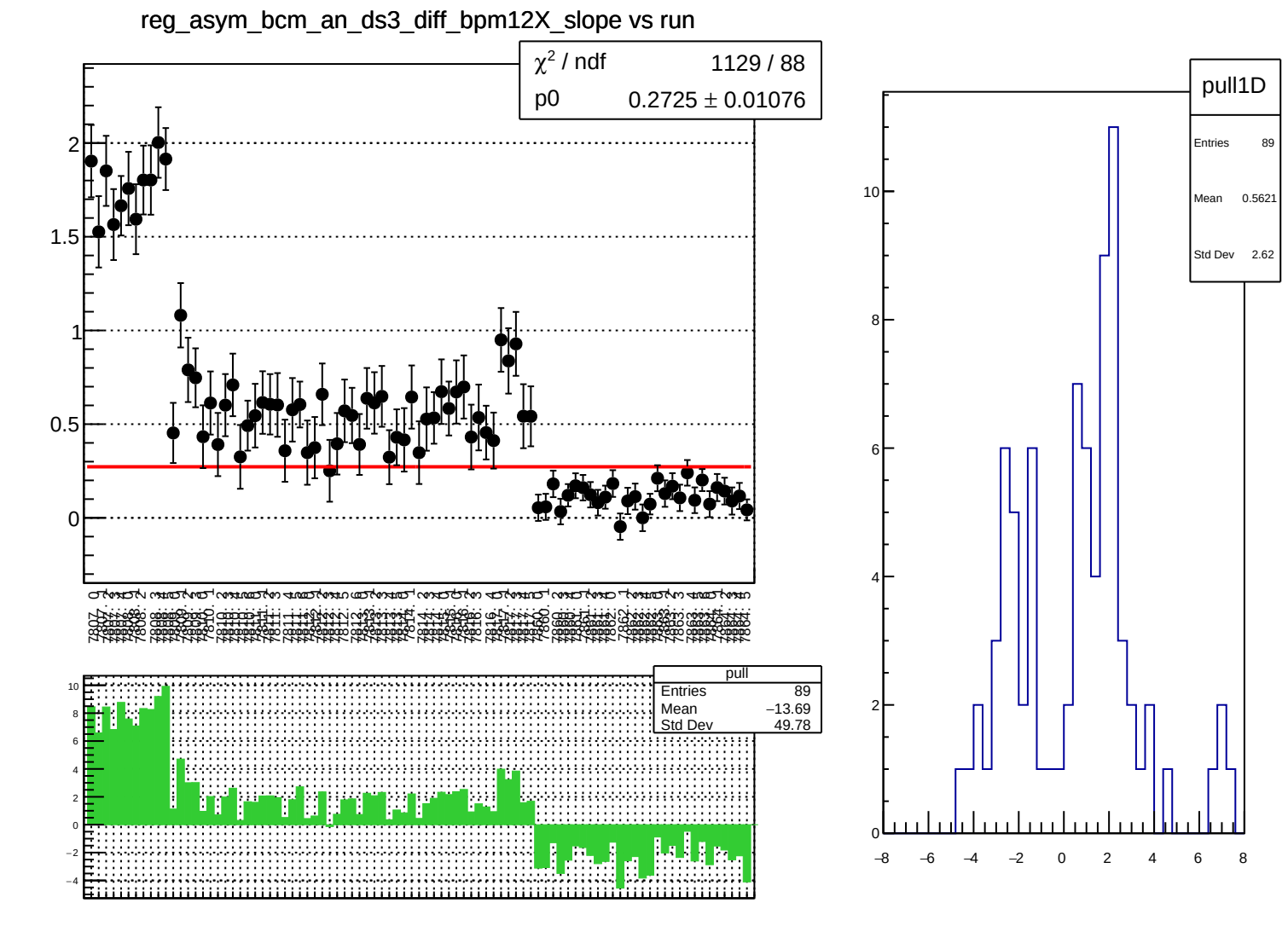

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 526.4 / 88
p0 −3.611 ± 0.3143
pull
Entries 89
Mean 0.2141
Std Dev 39.64
pull1D
Entries 89
Mean −0.9752
Std Dev 2.228

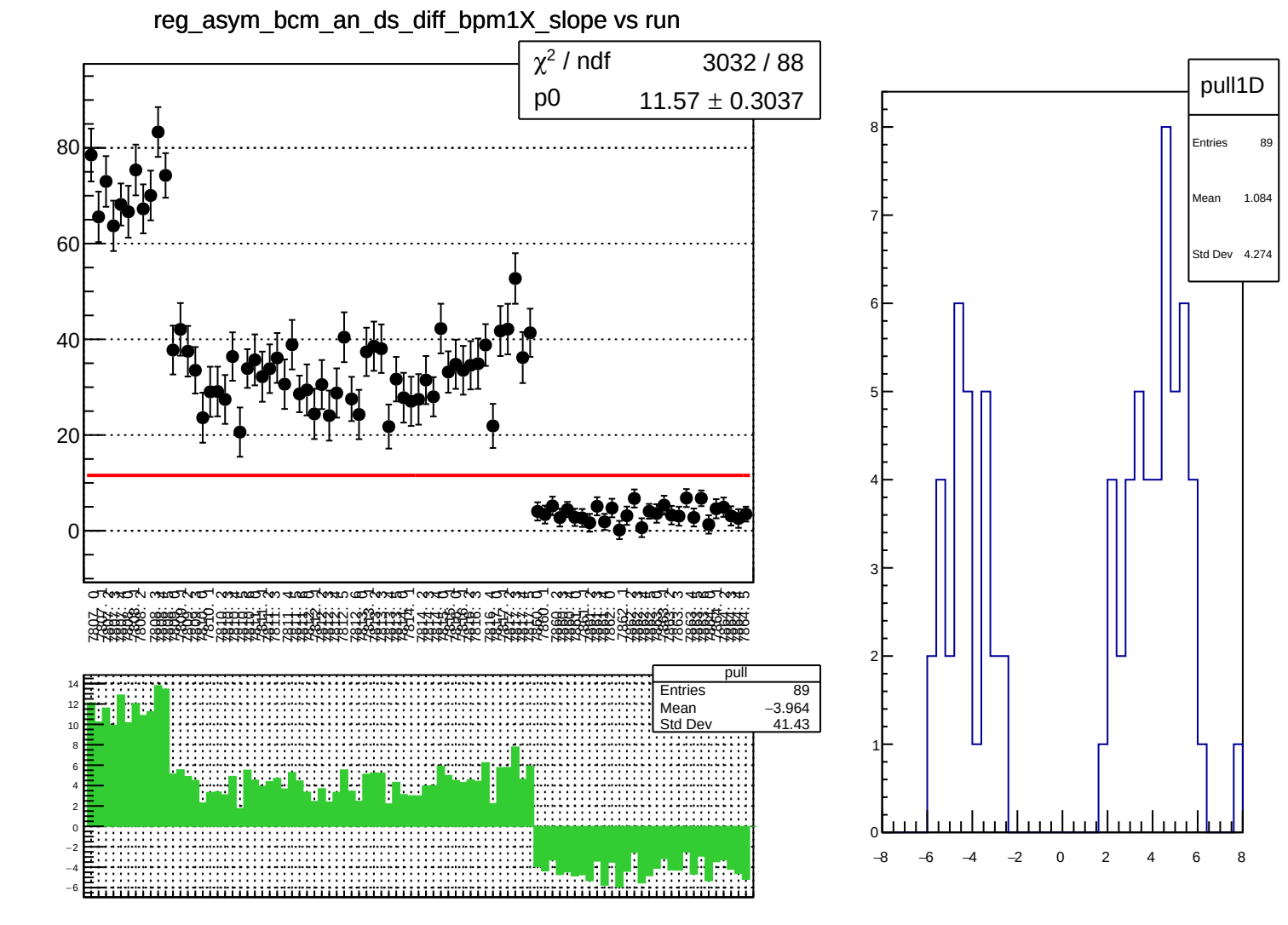

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 3120 / 88
p0 −9.935 ± 0.2691
pull
Entries 89
Mean −1.83
Std Dev 39.02

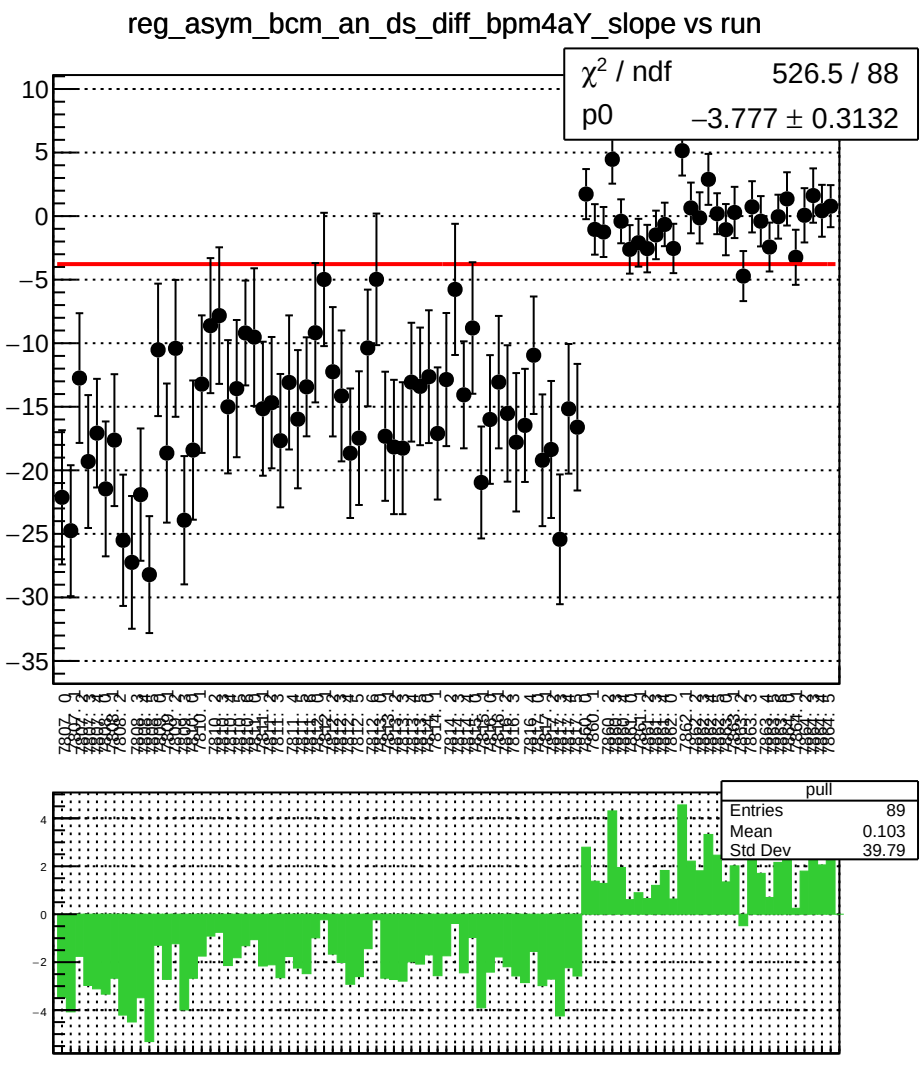

pull1D
Entries 89
Mean −1.215
Std Dev 4.331

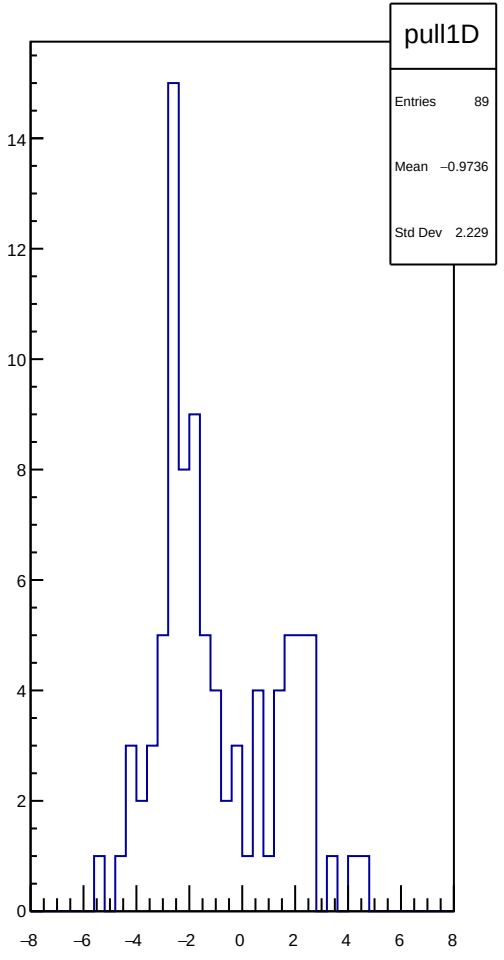

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 530.1 / 88
p0 4.048 ± 0.3614
pull
Entries 89
Mean −0.5735
Std Dev 40.68

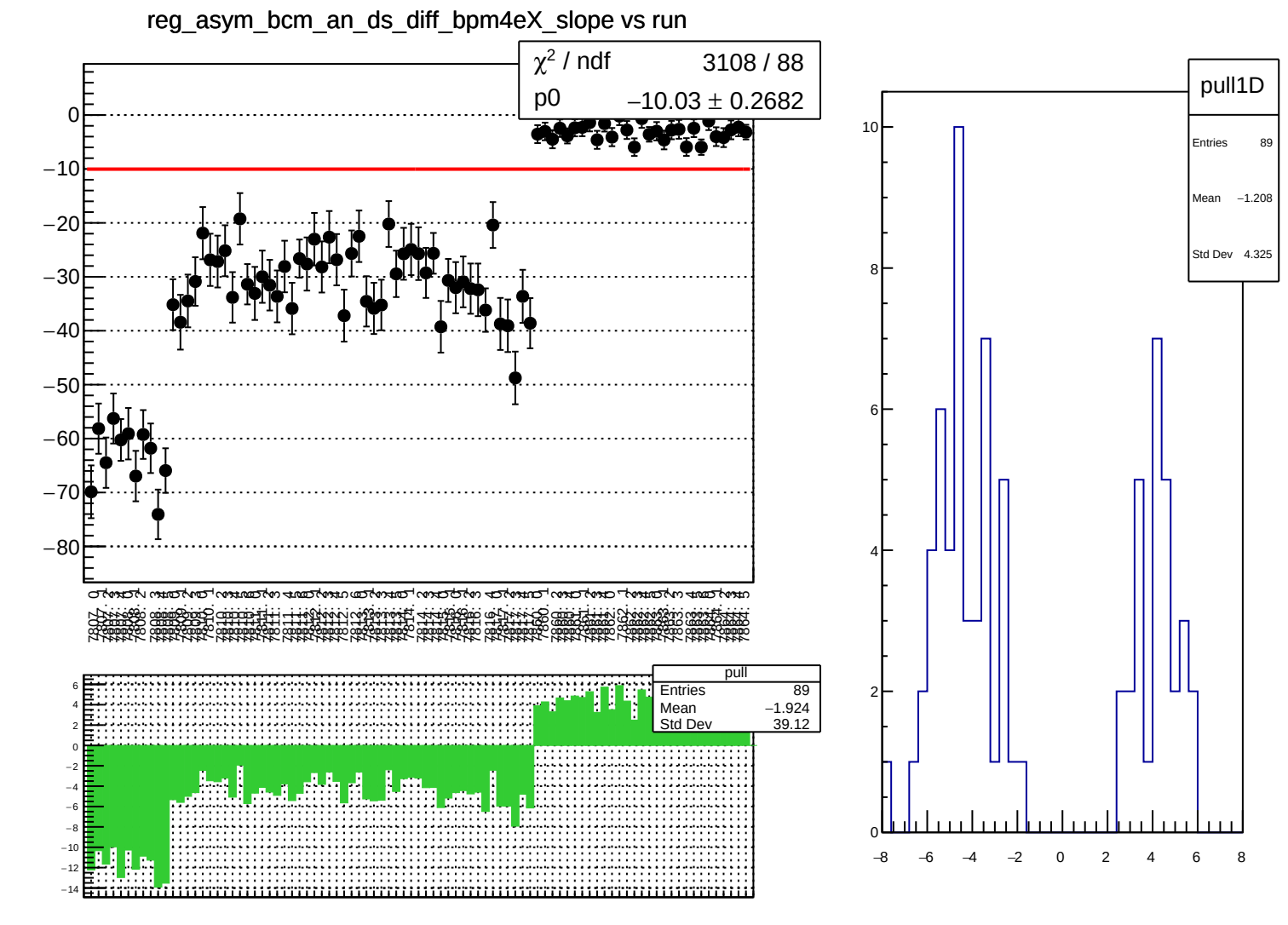

pull1D
Entries 89
Mean 0.9732
Std Dev 2.238

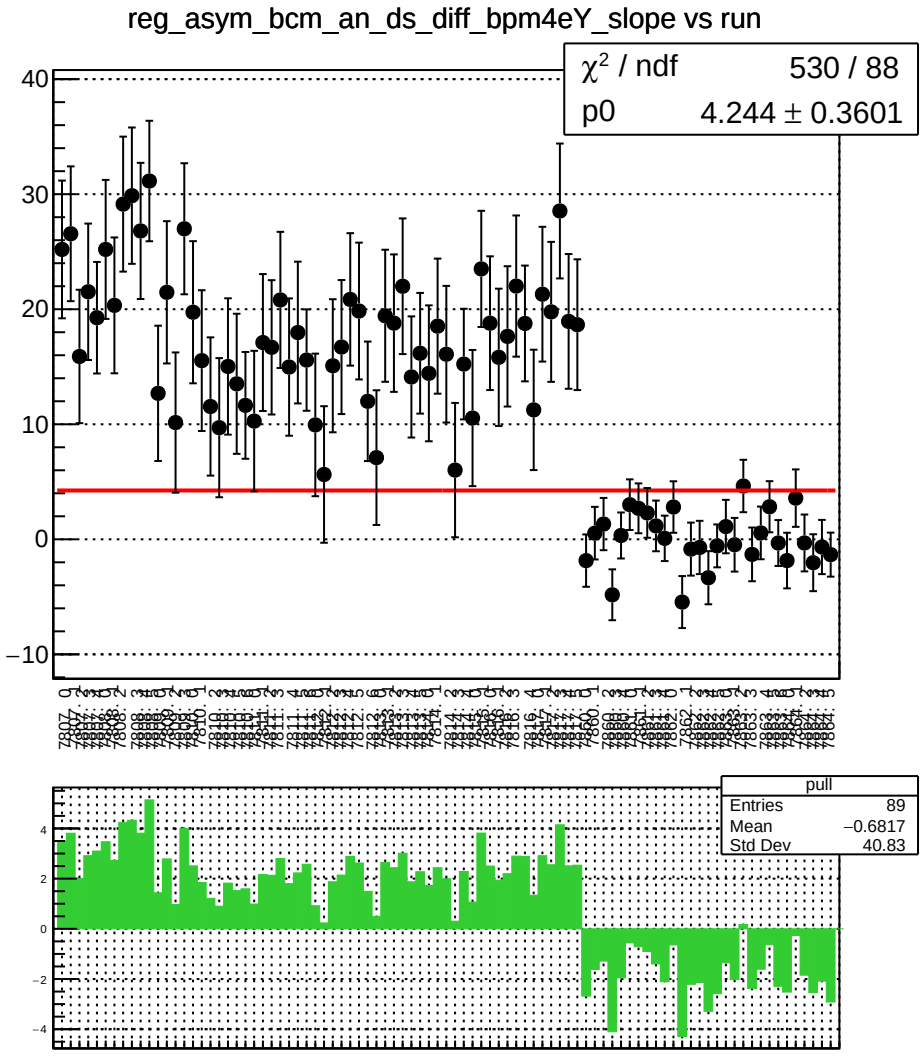

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 1129 / 88
p0 0.2725 ± 0.01076
pull
Entries 89
Mean −13.69
Std Dev 49.78
pull1D
Entries 89
Mean 0.5621
Std Dev 2.62

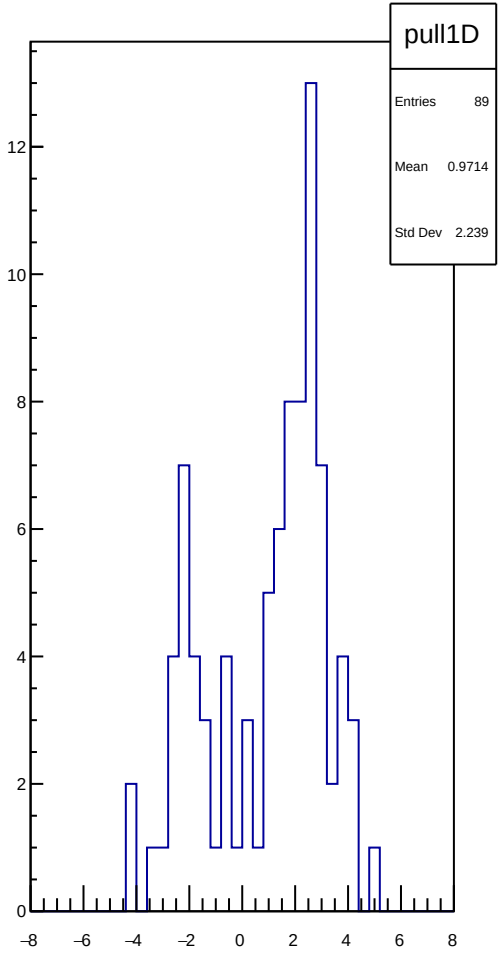

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 3032 / 88
p0 11.57 ± 0.3037
pull
Entries 89
Mean −3.964
Std Dev 41.43
pull1D
Entries 89
Mean 1.084
Std Dev 4.274

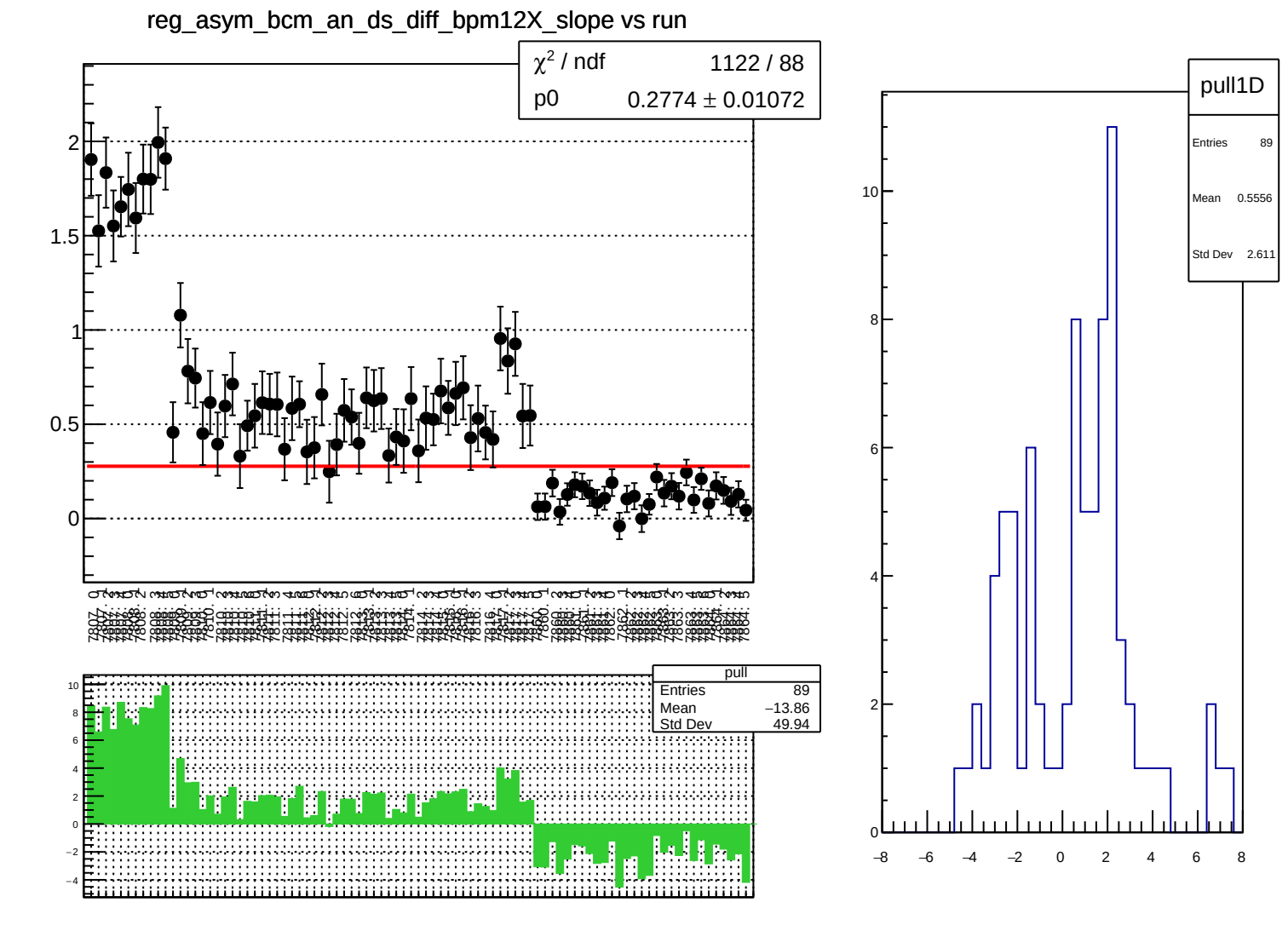

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 526.5 / 88
p0 −3.777 ± 0.3132
pull
Entries 89
Mean 0.103
Std Dev 39.79

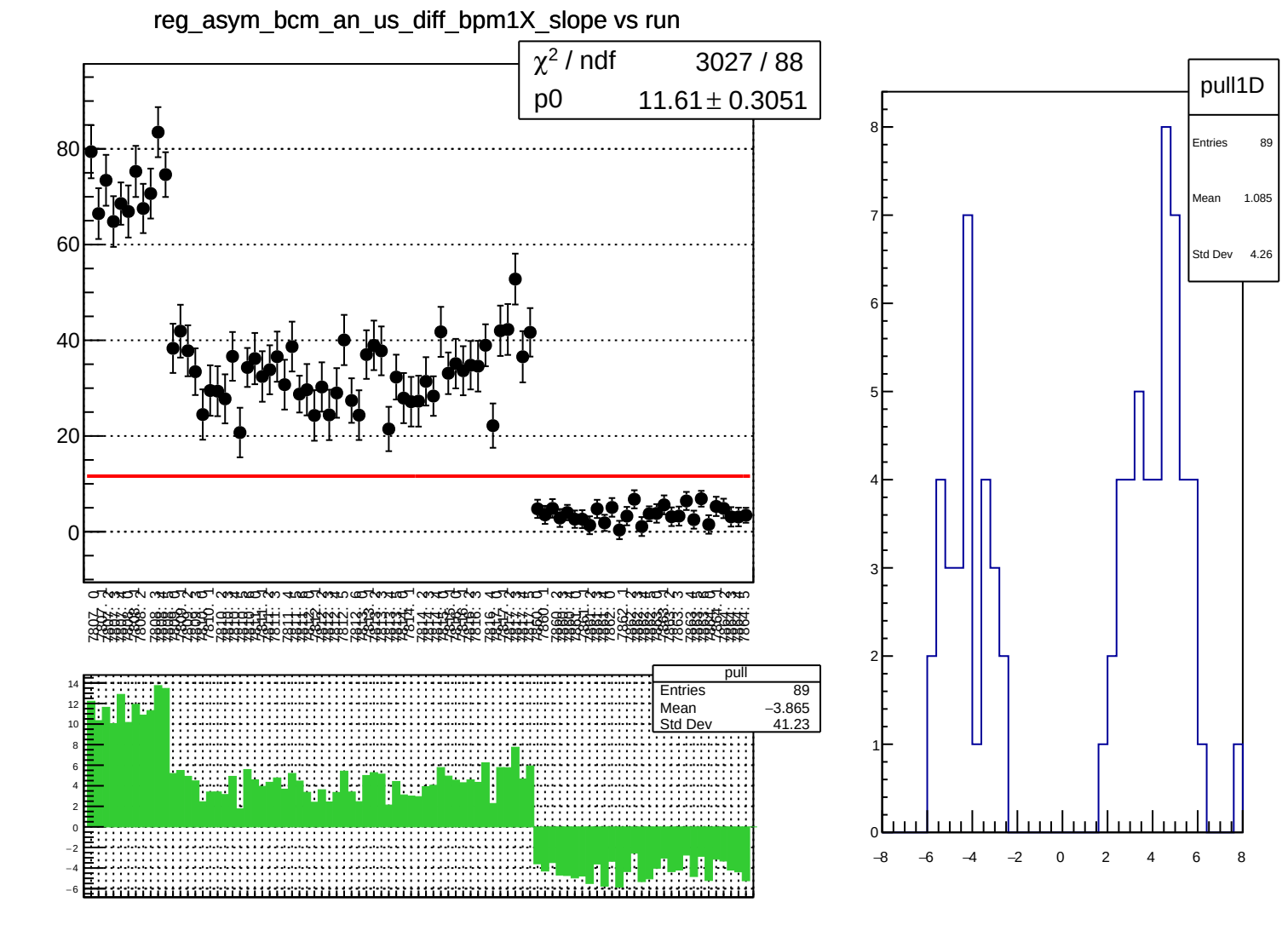

pull1D
Entries 89
Mean −0.9736
Std Dev 2.229

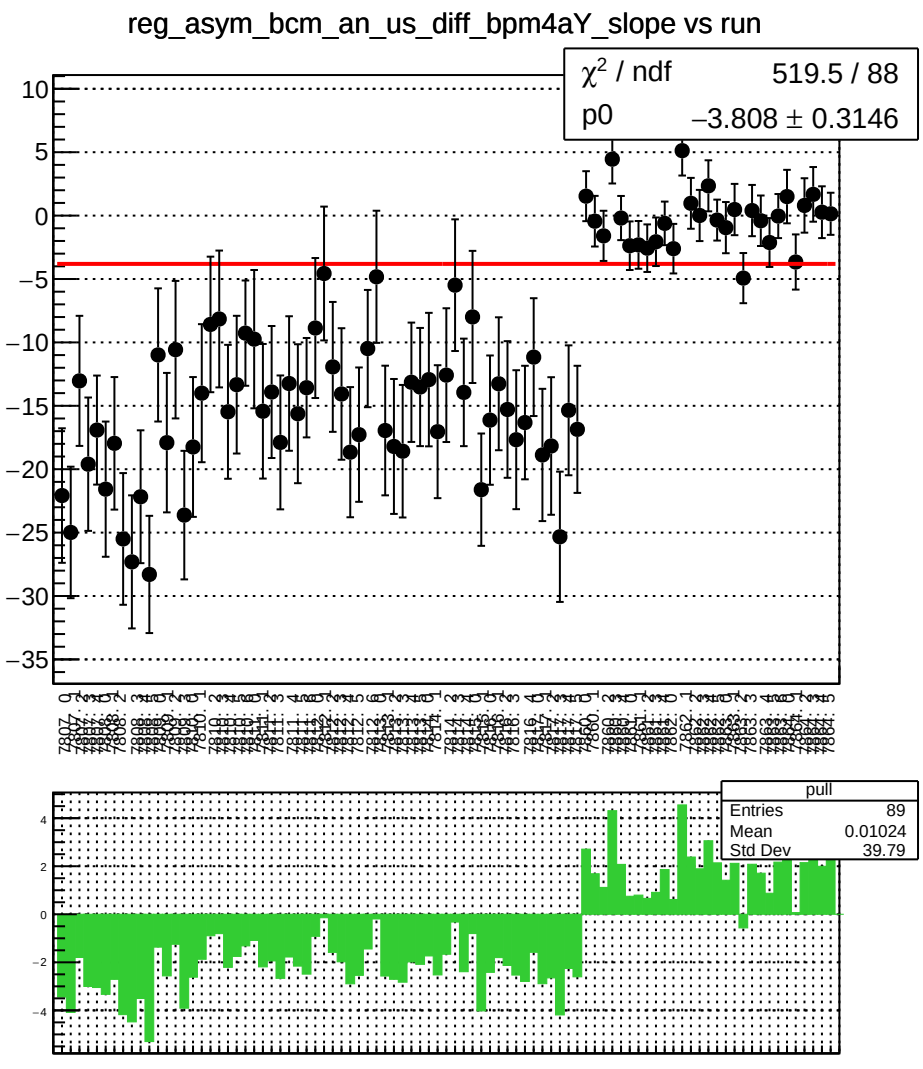

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 3108 / 88
p0 −10.03 ± 0.2682
pull
Entries 89
Mean −1.924
Std Dev 39.12
pull1D
Entries 89
Mean −1.208
Std Dev 4.325

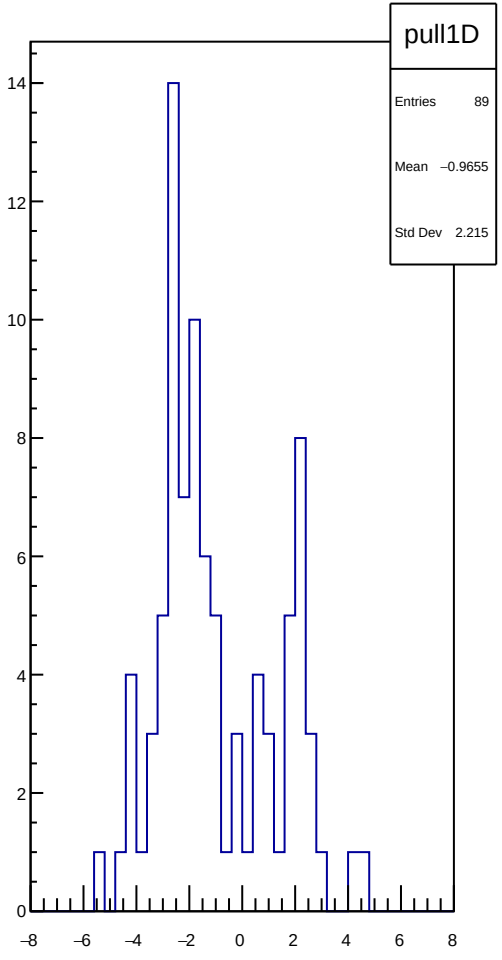

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 530 / 88
p0 4.244 ± 0.3601
pull
Entries 89
Mean −0.6817
Std Dev 40.83

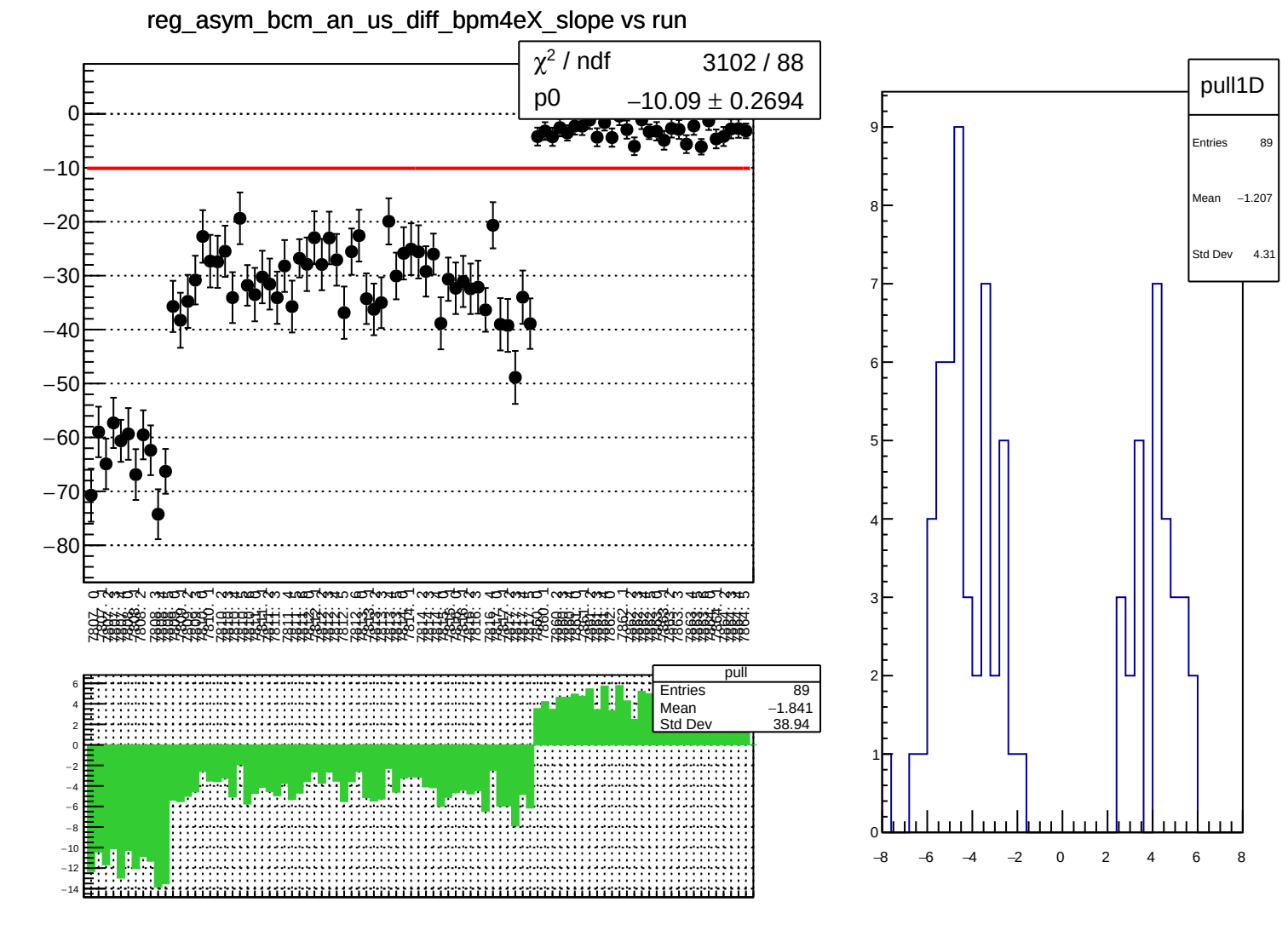

pull1D
Entries 89
Mean 0.9714
Std Dev 2.239

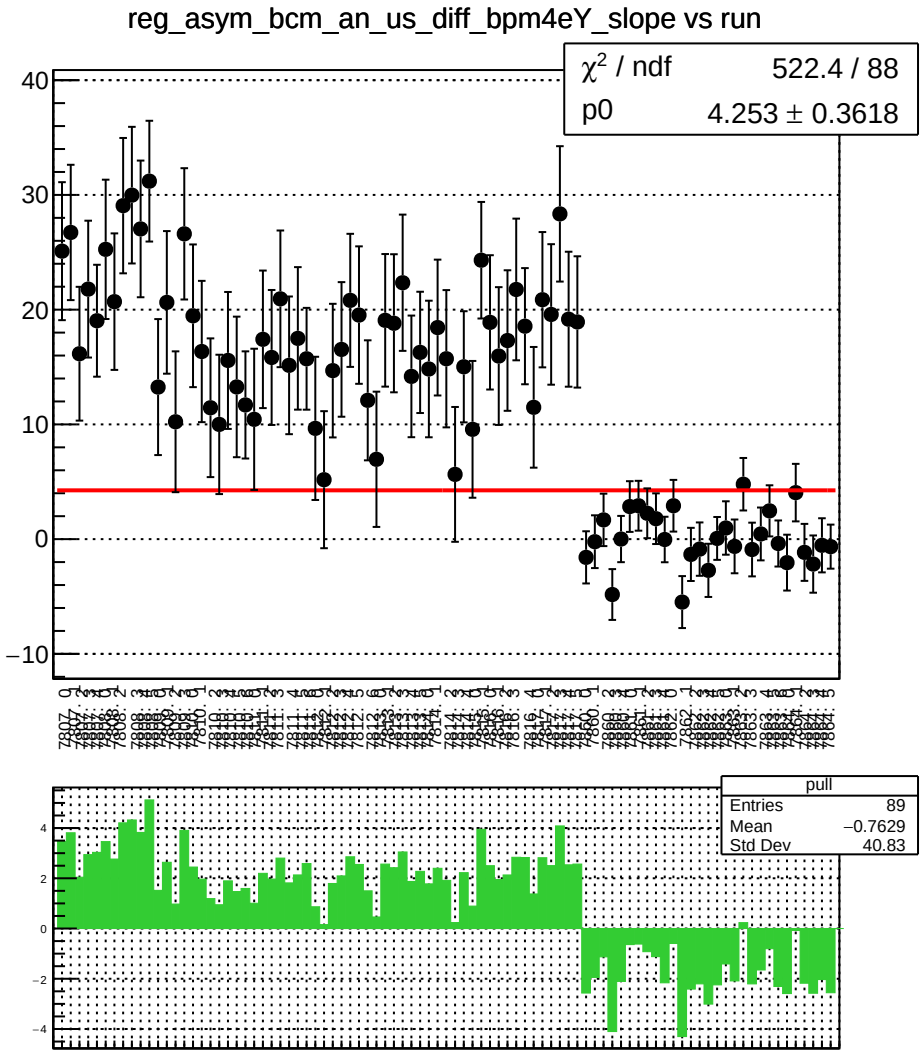

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 1122 / 88
p0 0.2774 ± 0.01072
pull
Entries 89
Mean −13.86
Std Dev 49.94
pull1D
Entries 89
Mean 0.5556
Std Dev 2.611

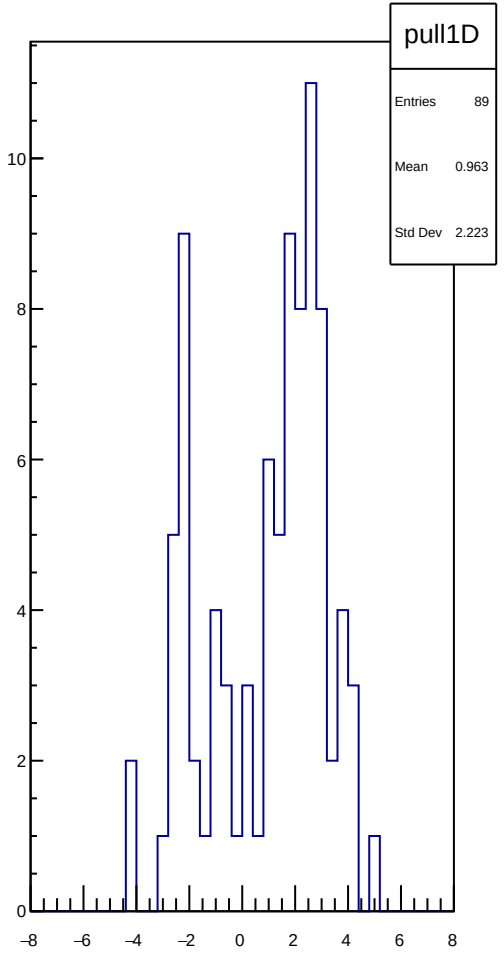

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 3027 / 88
p0 11.61 ± 0.3051
pull
Entries 89
Mean −3.865
Std Dev 41.23
pull1D
Entries 89
Mean 1.085
Std Dev 4.26

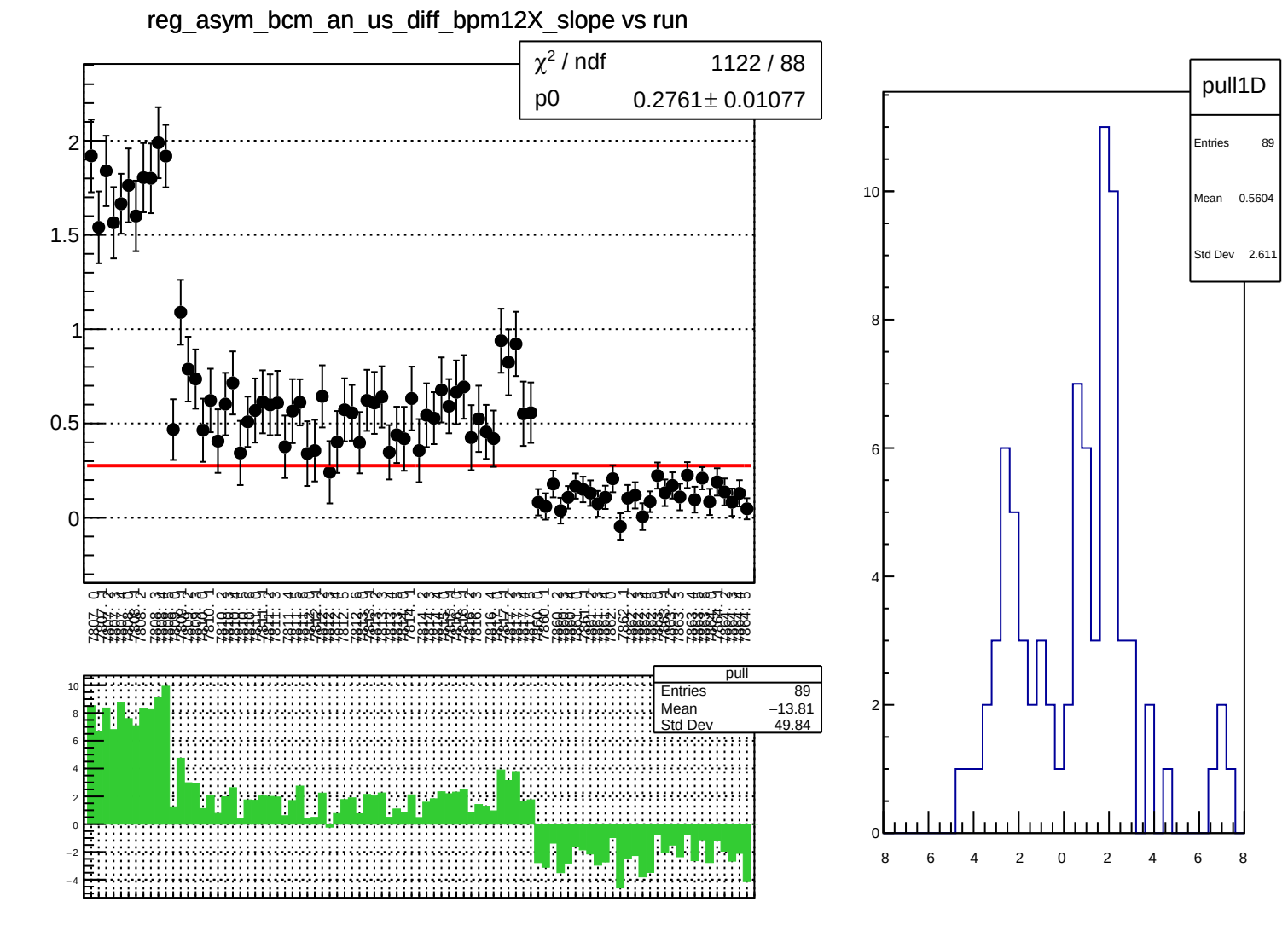

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 519.5 / 88
p0 −3.808 ± 0.3146
pull
Entries 89
Mean 0.01024
Std Dev 39.79

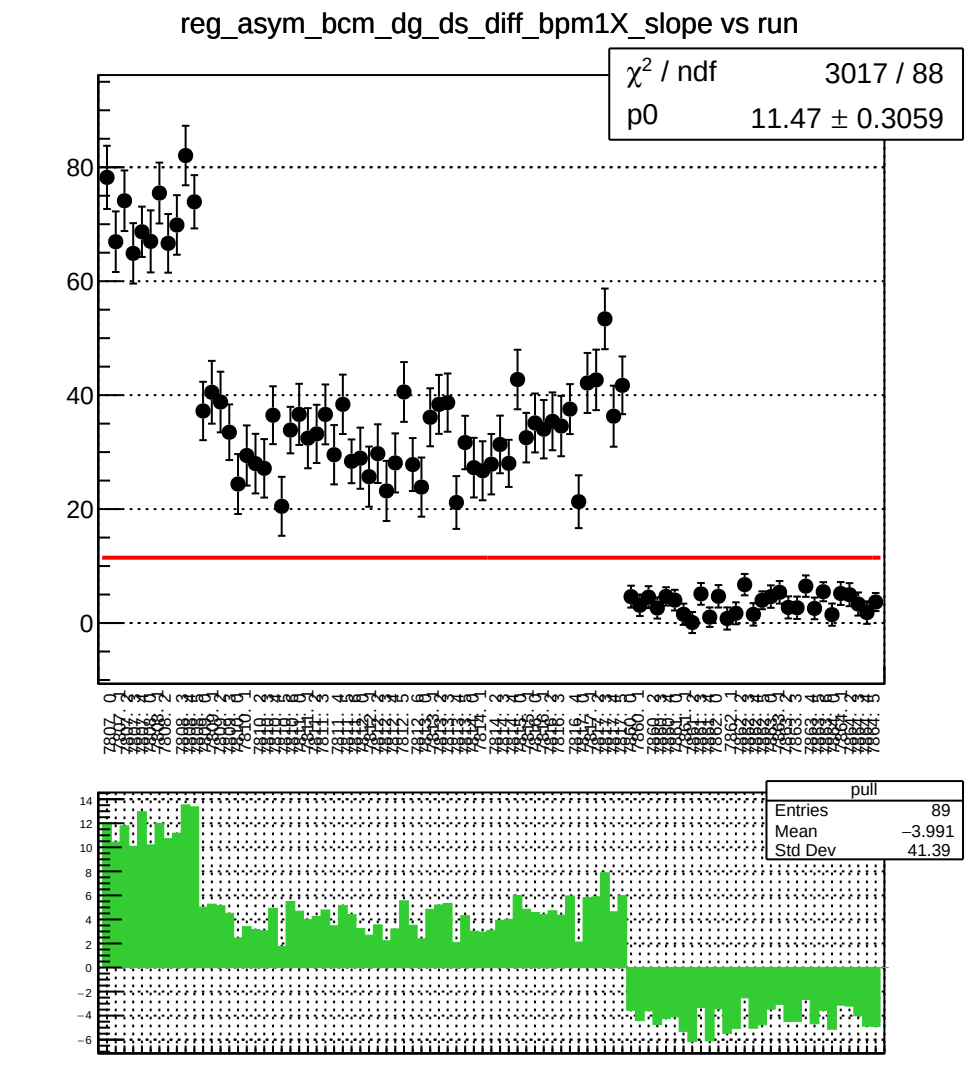

pull1D
Entries 89
Mean −0.9655
Std Dev 2.215

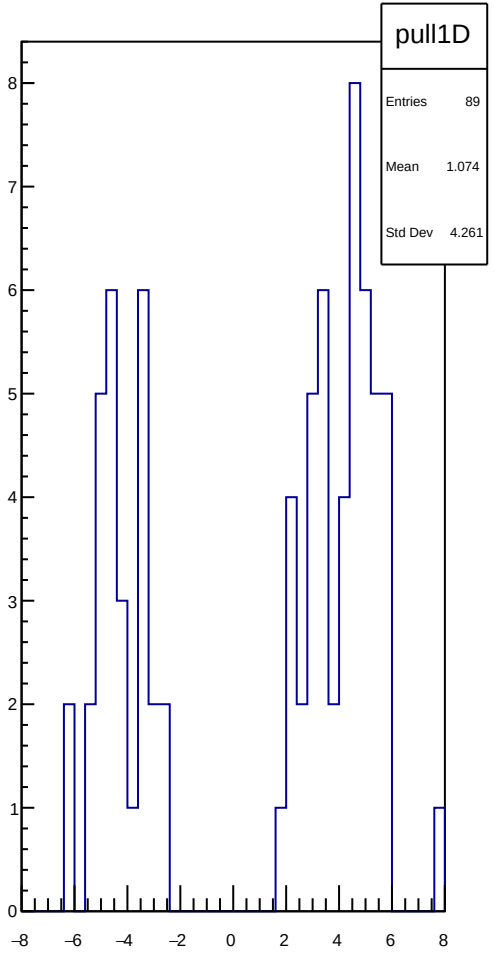

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 3102 / 88
p0 −10.09 ± 0.2694
pull
Entries 89
Mean −1.841
Std Dev 38.94
pull1D
Entries 89
Mean −1.207
Std Dev 4.31

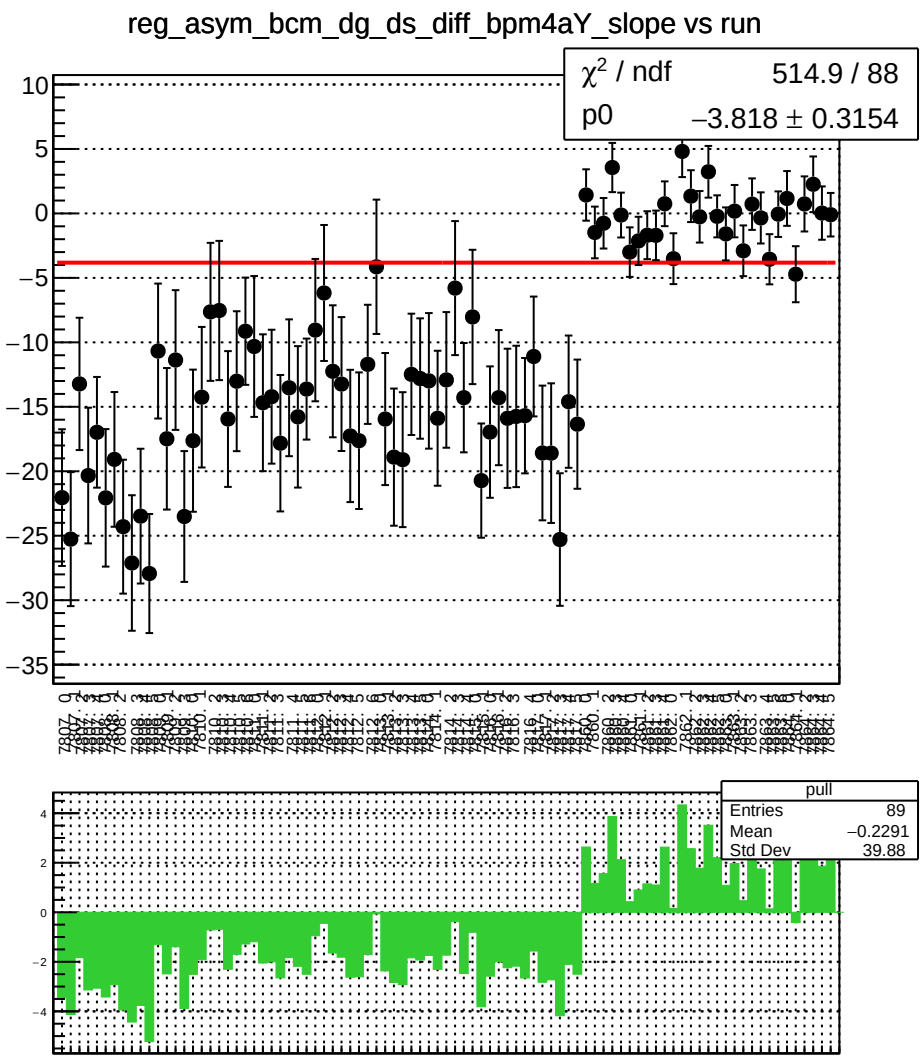

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 522.4 / 88
p0 4.253 ± 0.3618
pull
Entries 89
Mean −0.7629
Std Dev 40.83

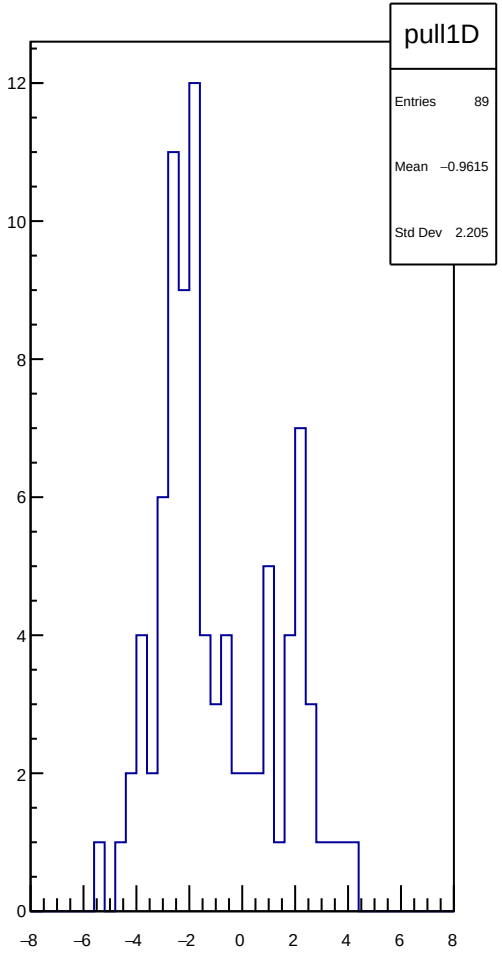

pull1D
Entries 89
Mean 0.963
Std Dev 2.223

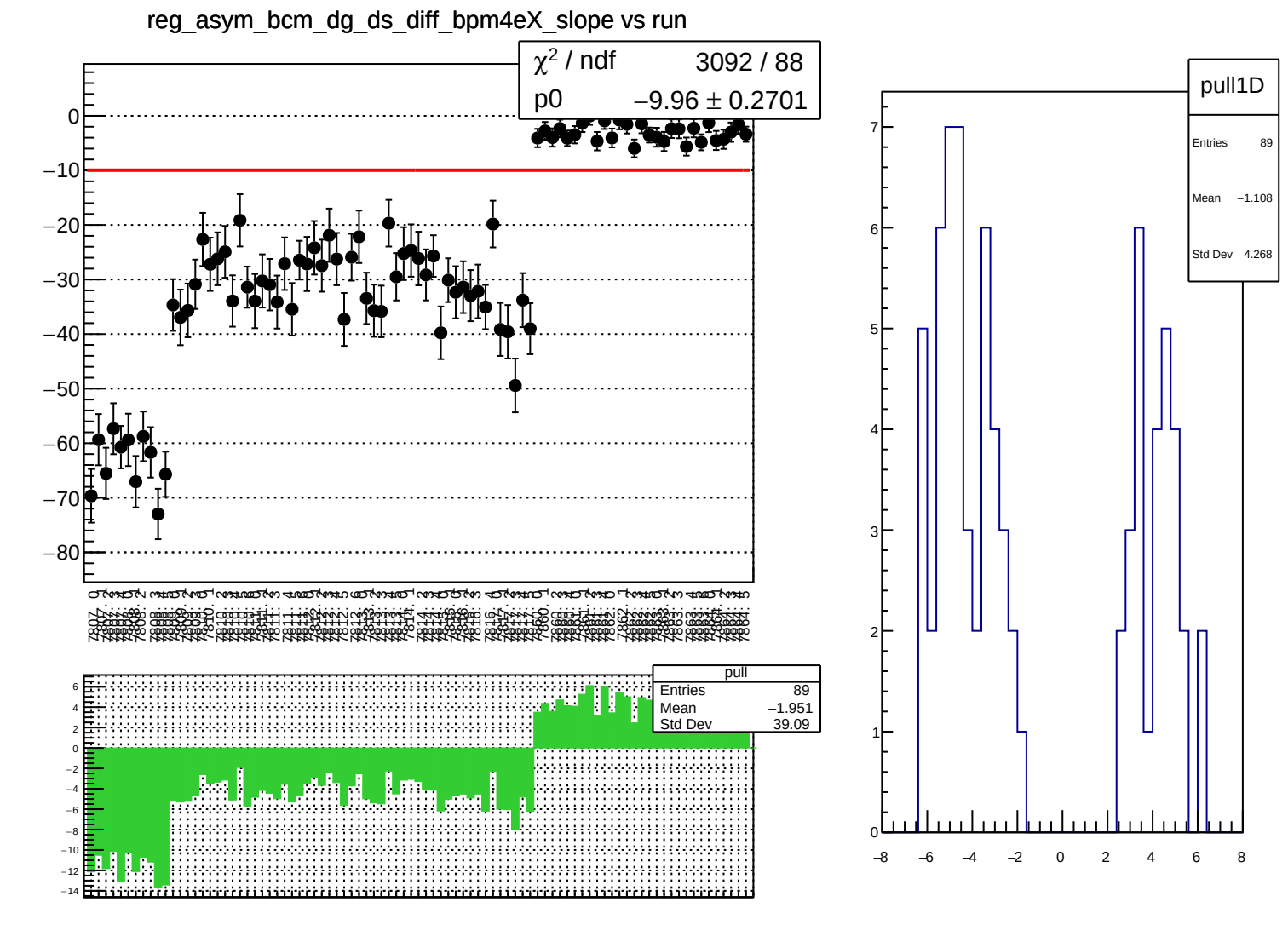

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 1122 / 88
p0 0.2761± 0.01077
pull
Entries 89
Mean −13.81
Std Dev 49.84
pull1D
Entries 89
Mean 0.5604
Std Dev 2.611

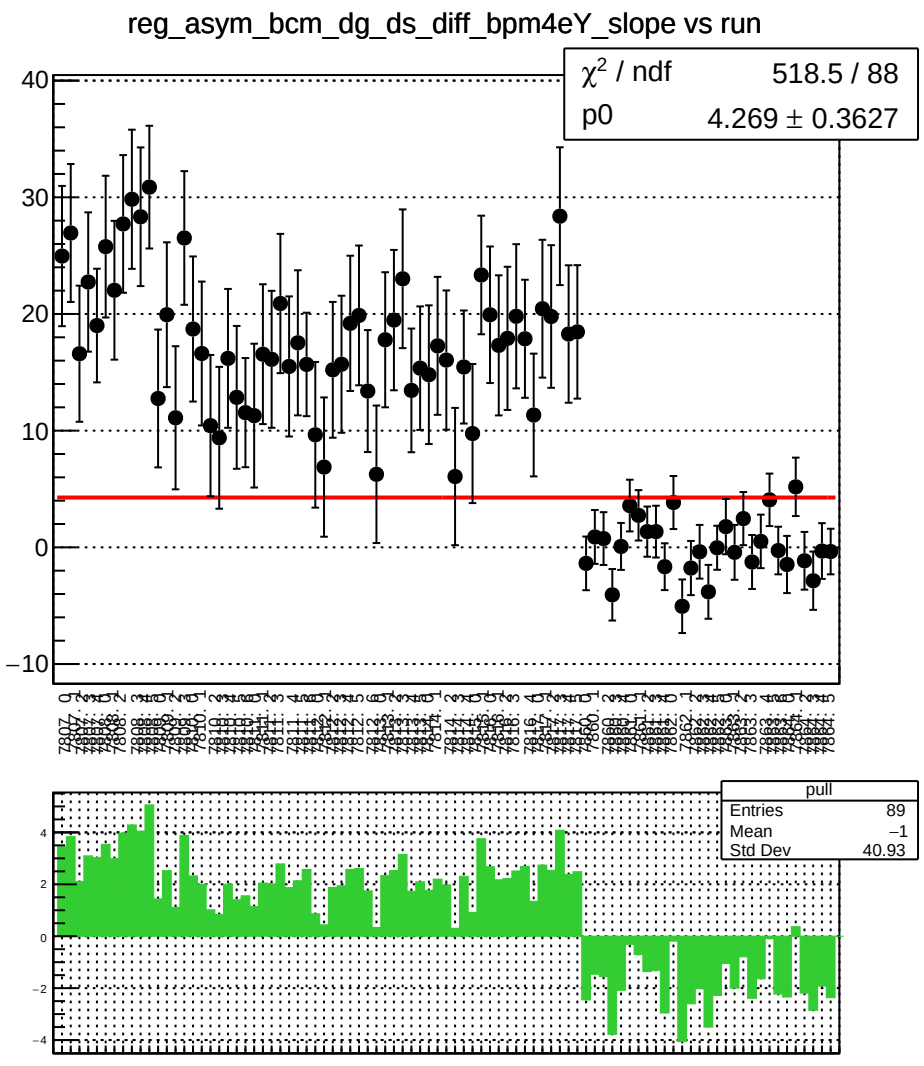

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 3017 / 88
p0 11.47 ± 0.3059
pull
Entries 89
Mean −3.991
Std Dev 41.39

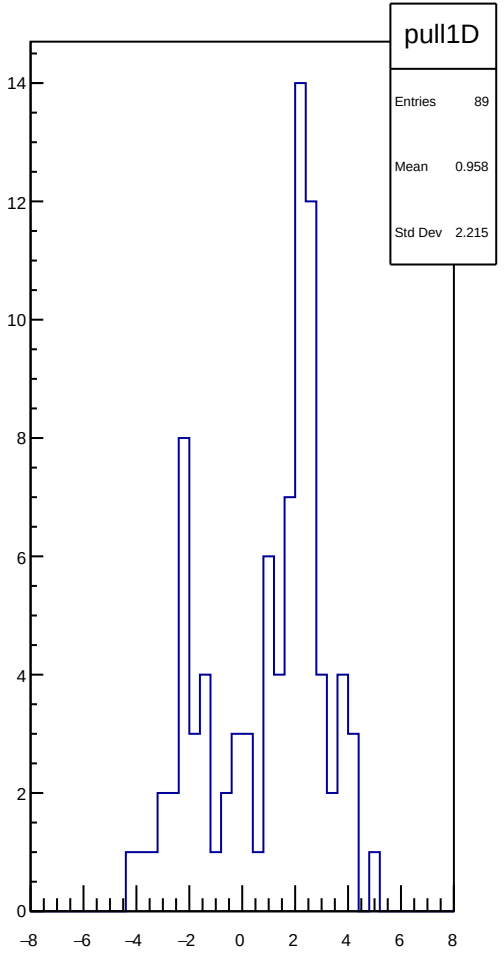

pull1D
Entries 89
Mean 1.074
Std Dev 4.261

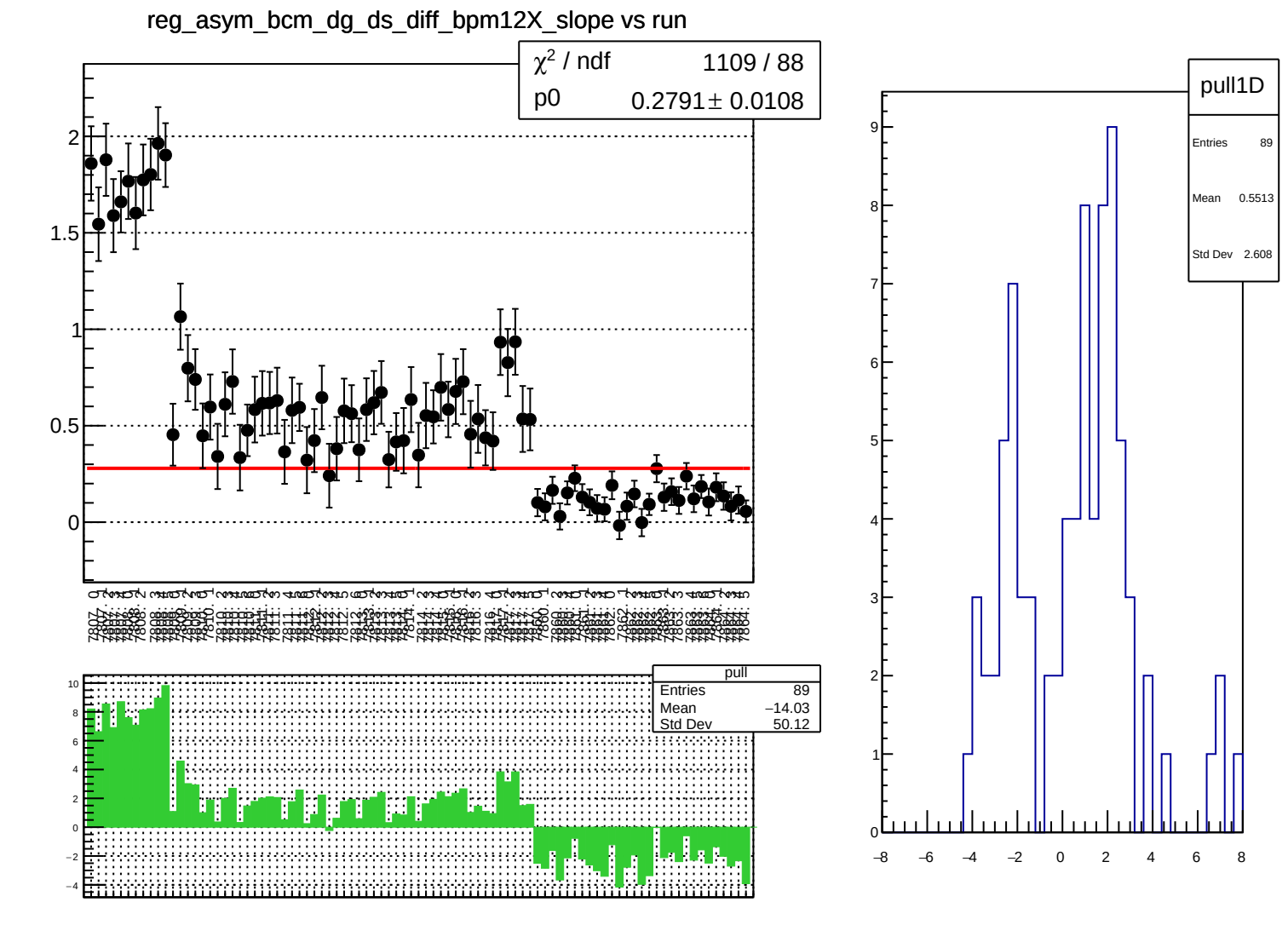

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 514.9 / 88
p0 −3.818 ± 0.3154
pull
Entries 89
Mean −0.2291
Std Dev 39.88

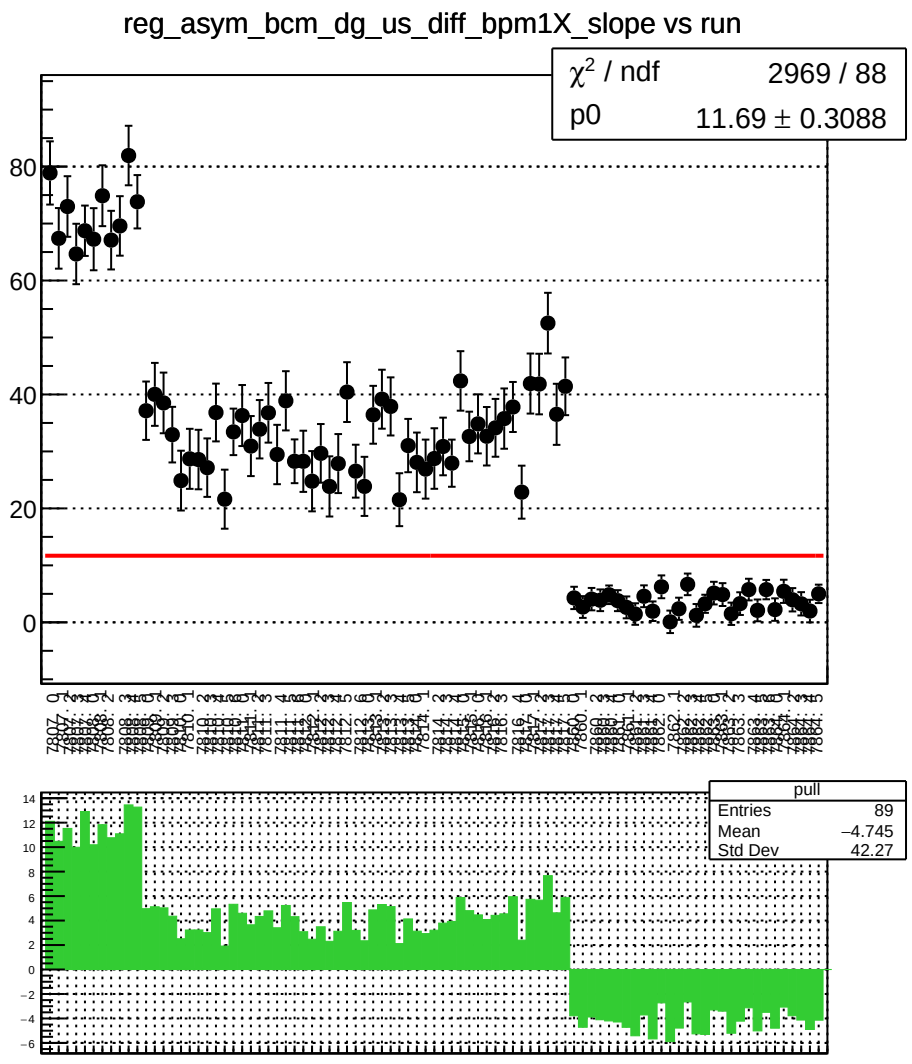

pull1D
Entries 89
Mean −0.9615
Std Dev 2.205

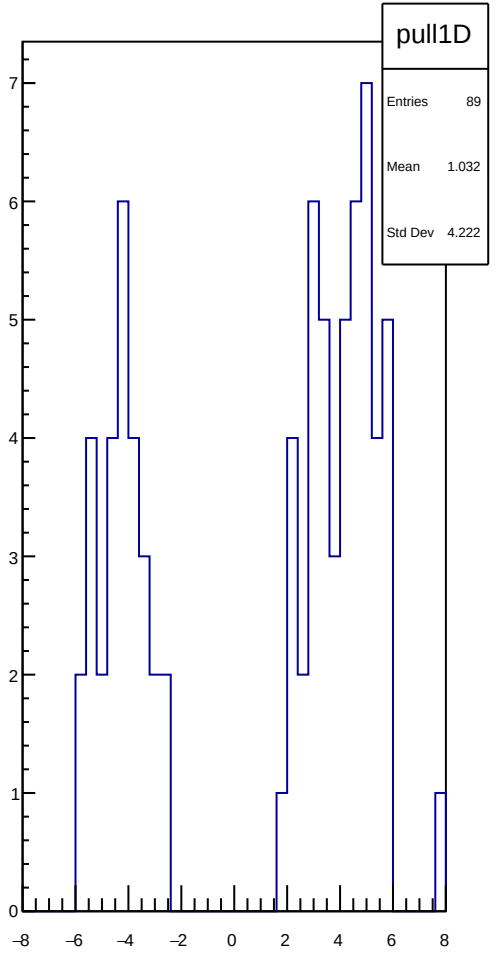

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 3092 / 88
p0 −9.96 ± 0.2701
pull
Entries 89
Mean −1.951
Std Dev 39.09
pull1D
Entries 89
Mean −1.108
Std Dev 4.268

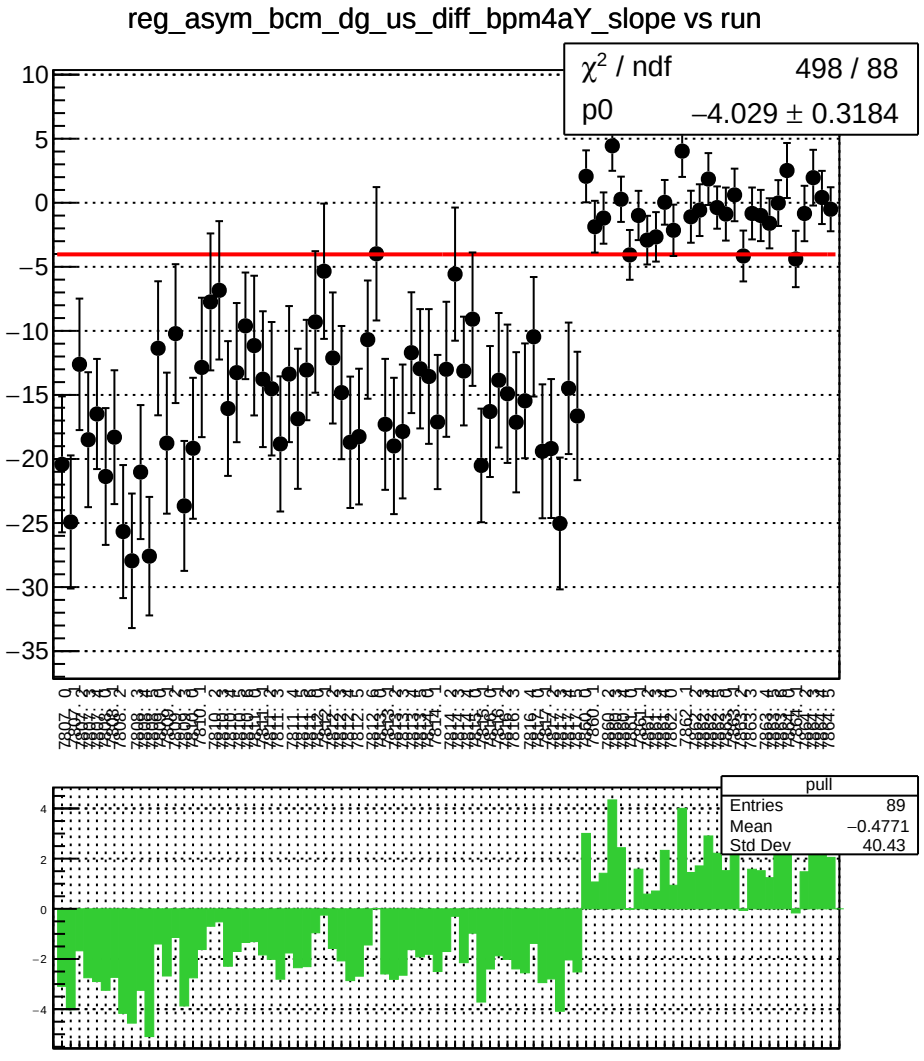

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 518.5 / 88
p0 4.269 ± 0.3627
pull
Entries 89
Mean −1
Std Dev 40.93

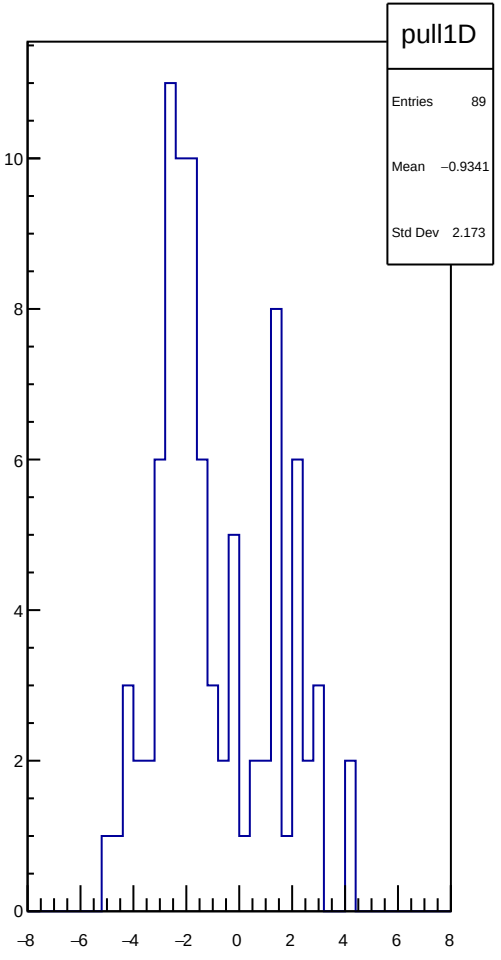

pull1D
Entries 89
Mean 0.958
Std Dev 2.215

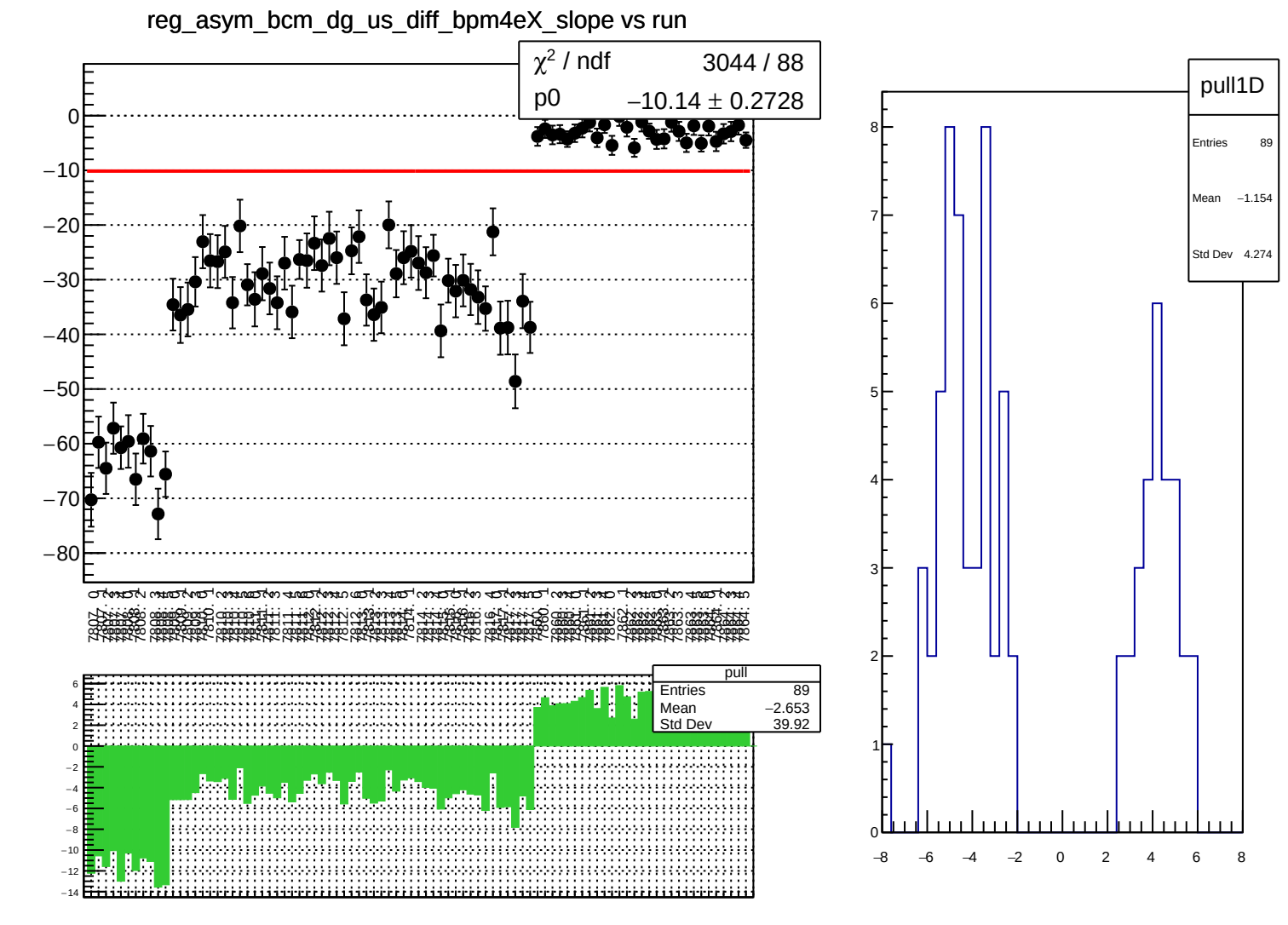

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 1109 / 88
p0 0.2791 ± 0.0108
pull
Entries 89
Mean −14.03
Std Dev 50.12
pull1D
Entries 89
Mean 0.5513
Std Dev 2.608

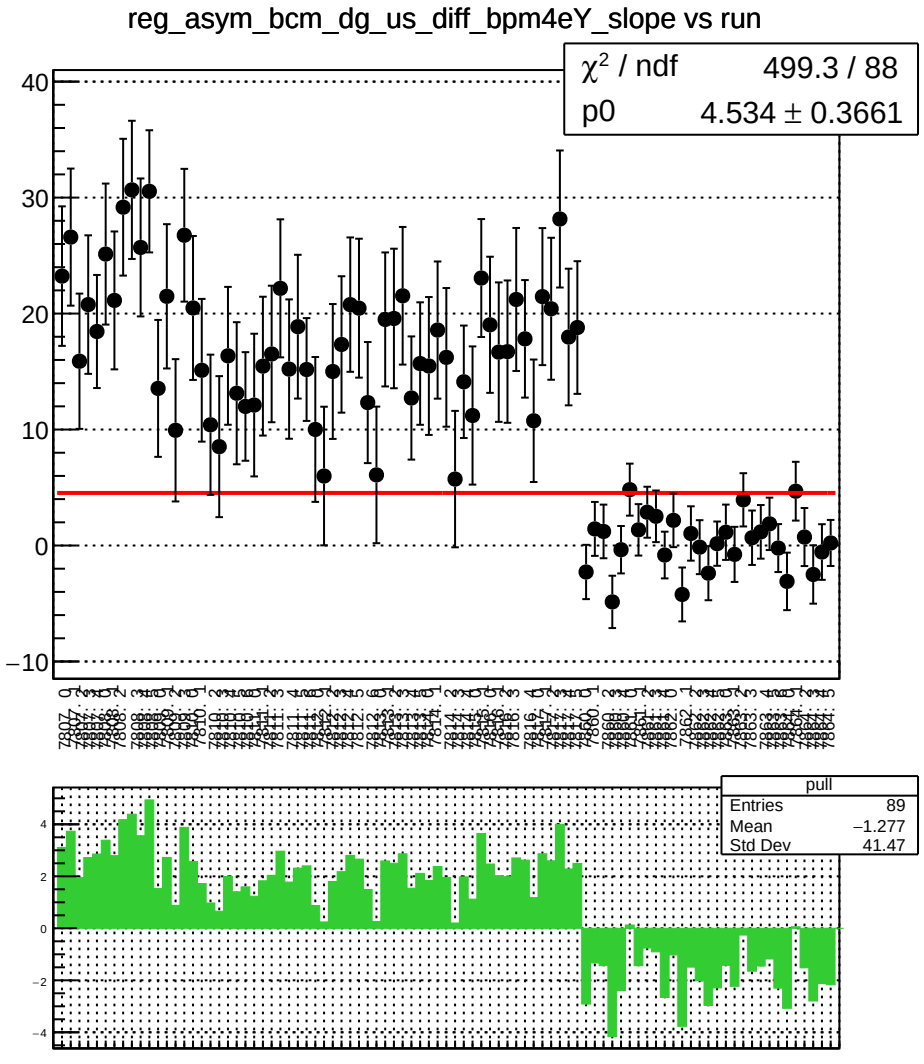

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2969 / 88
p0 11.69 ± 0.3088
pull
Entries 89
Mean −4.745
Std Dev 42.27

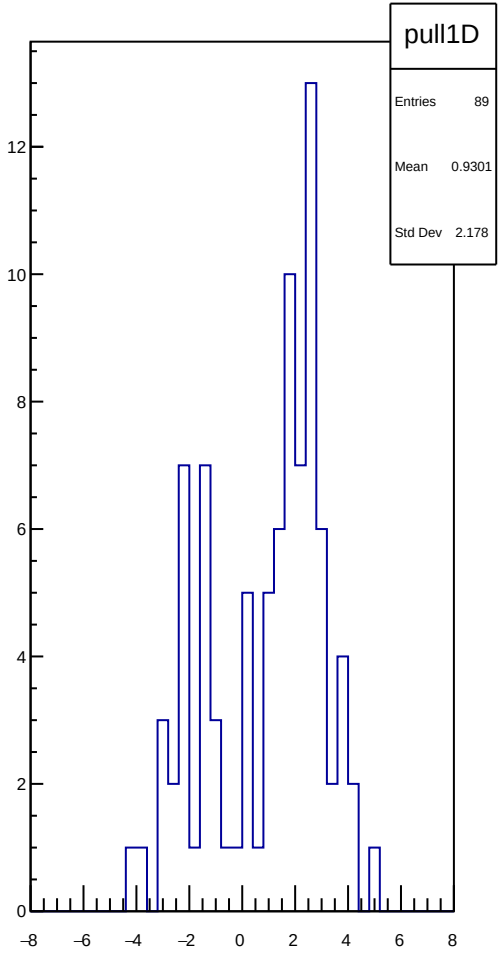

pull1D
Entries 89
Mean 1.032
Std Dev 4.222

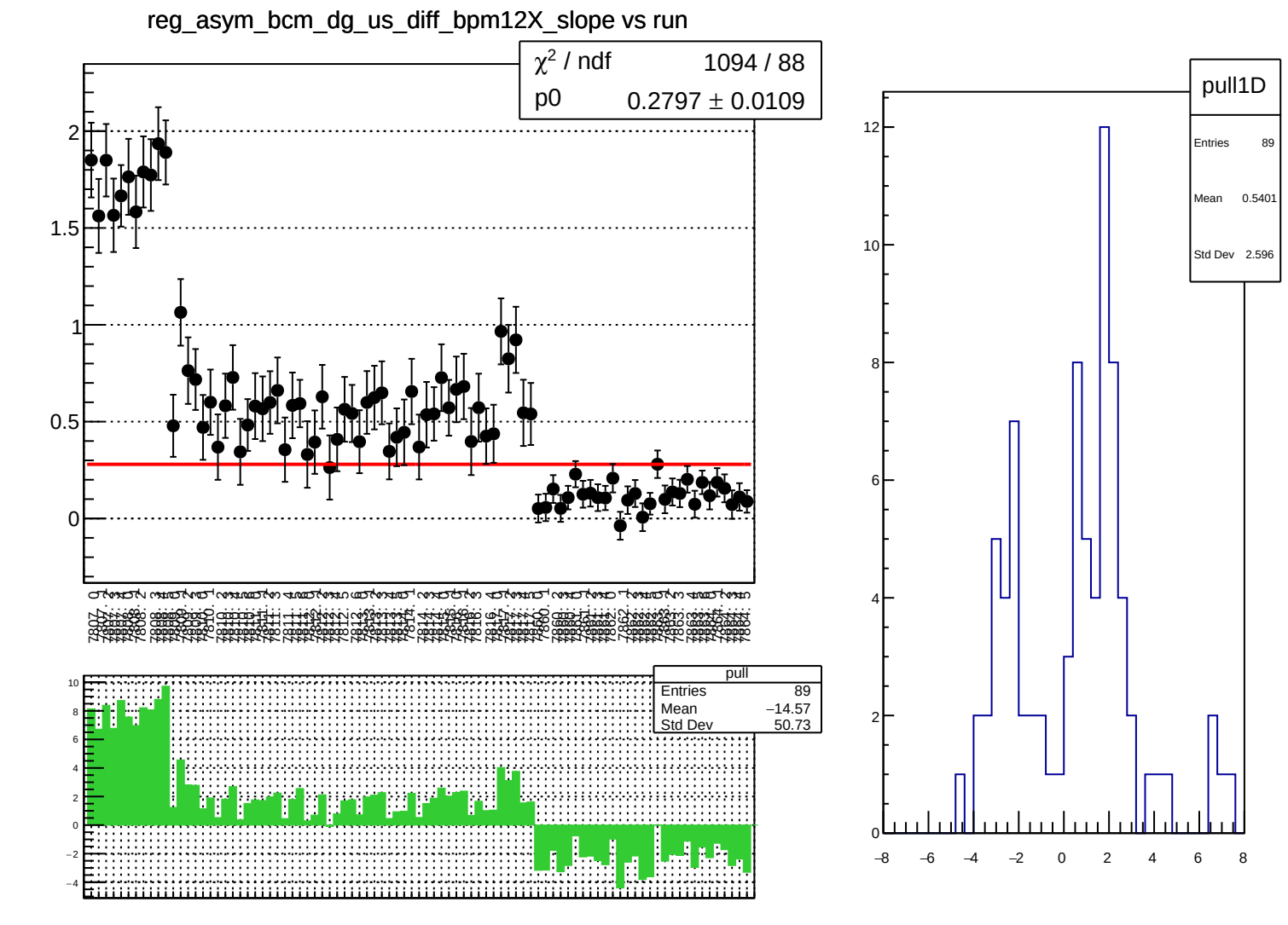

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 498 / 88
p0 −4.029 ± 0.3184
pull
Entries 89
Mean −0.4771
Std Dev 40.43


pull1D
Entries 89
Mean −0.9341
Std Dev 2.173


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 3044 / 88
p0 −10.14 ± 0.2728
pull
Entries 89
Mean −2.653
Std Dev 39.92
pull1D
Entries 89
Mean −1.154
Std Dev 4.274


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 499.3 / 88
p0 4.534 ± 0.3661
pull
Entries 89
Mean −1.277
Std Dev 41.47


pull1D
Entries 89
Mean 0.9301
Std Dev 2.178


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 1094 / 88
p0 0.2797 ± 0.0109
pull
Entries 89
Mean −14.57
Std Dev 50.73
pull1D
Entries 89
Mean 0.5401
Std Dev 2.596