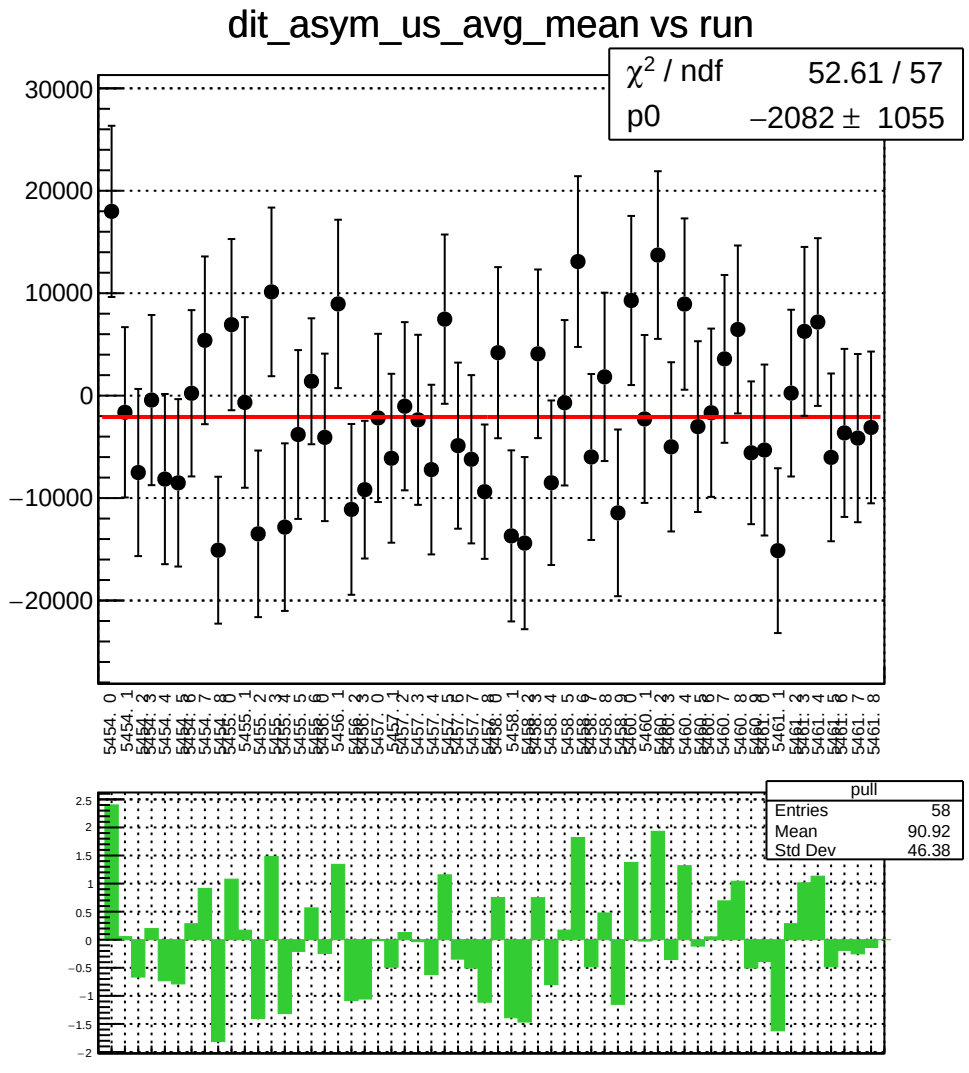
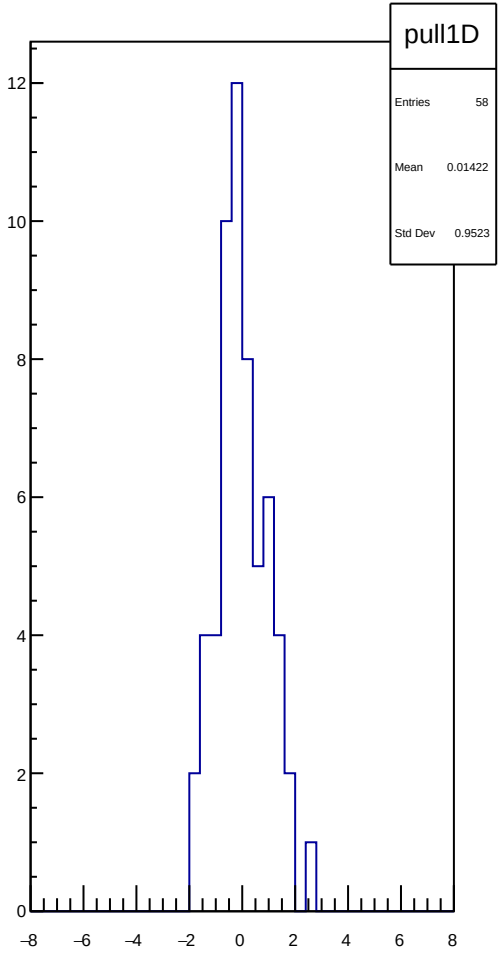
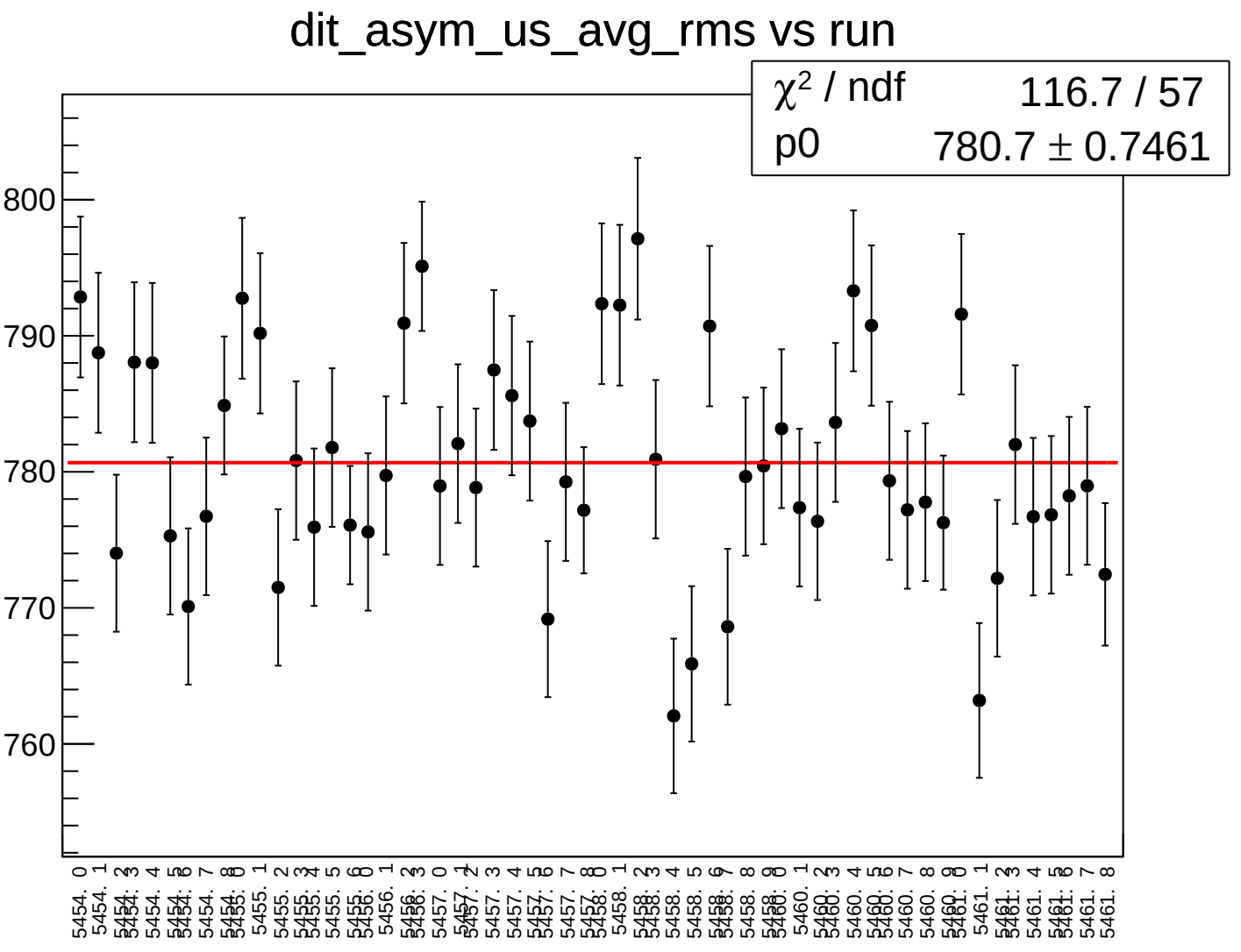
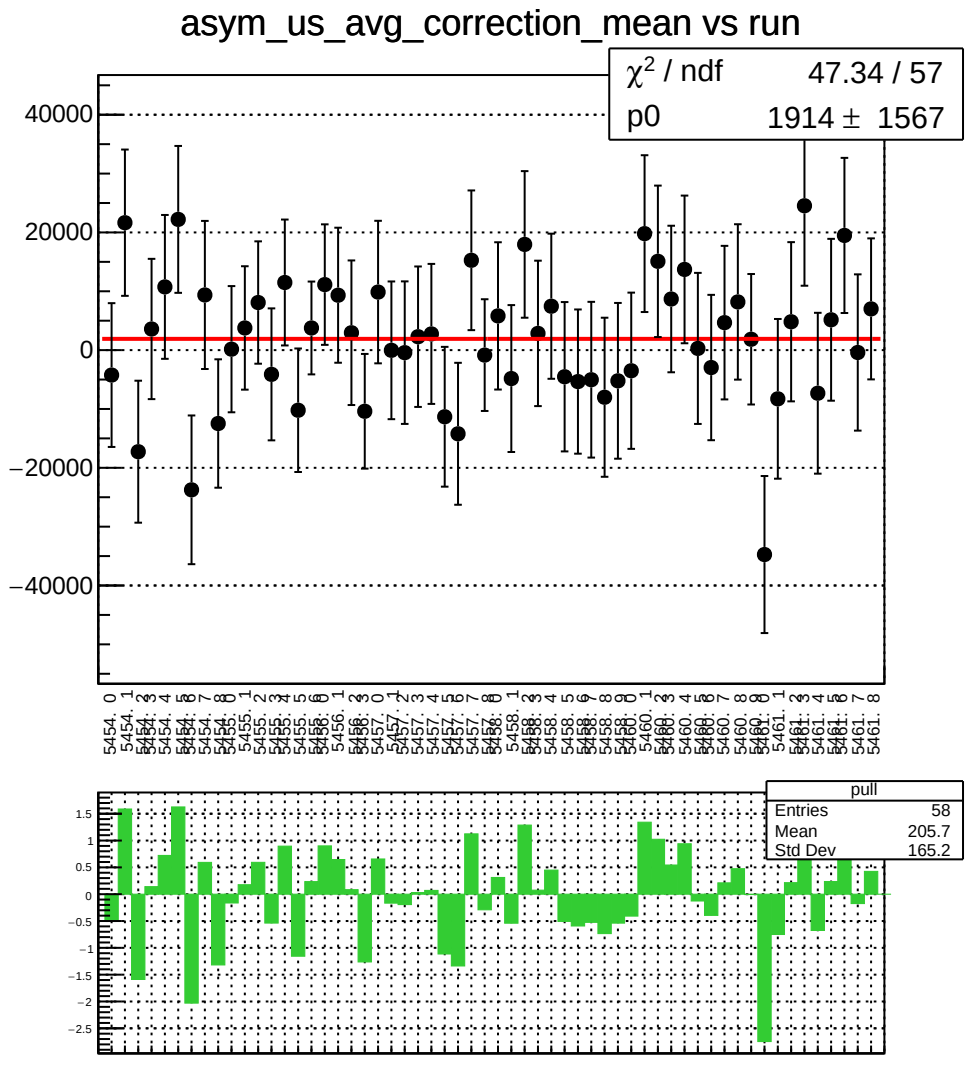
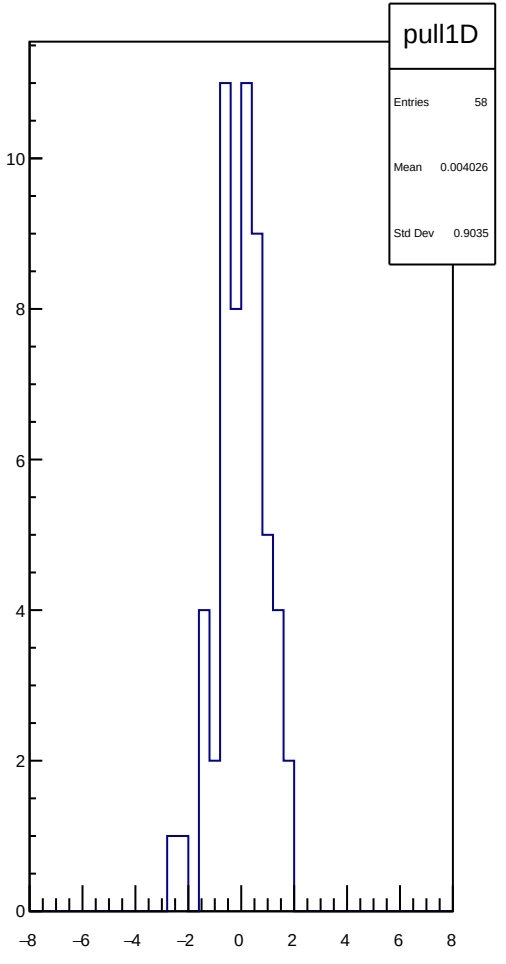
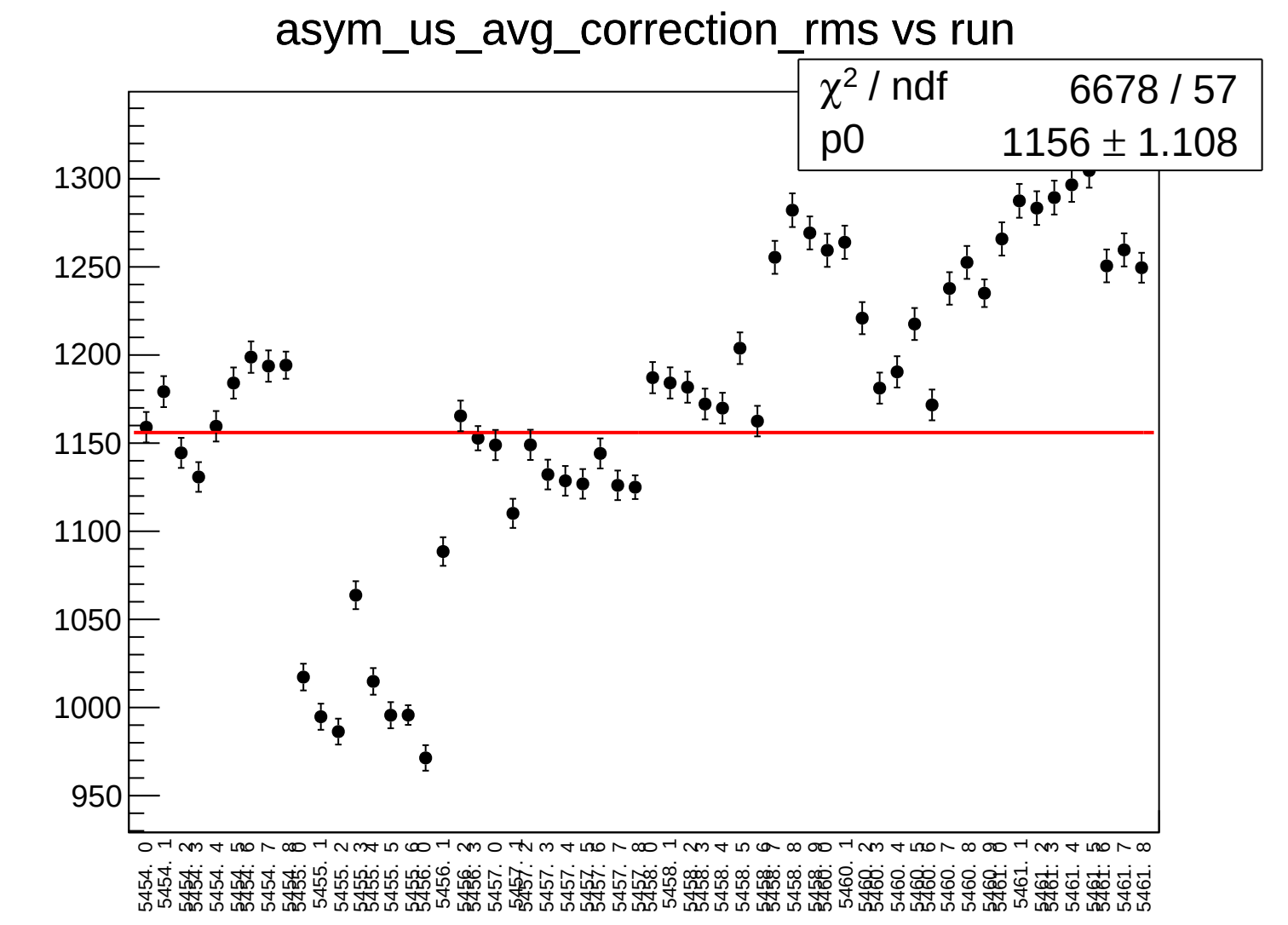

dit_asym_us_avg_mean vs run
χ² / ndf 52.61 / 57
p0 −2082 ± 1055
pull
Entries 58
Mean 90.92
Std Dev 46.38

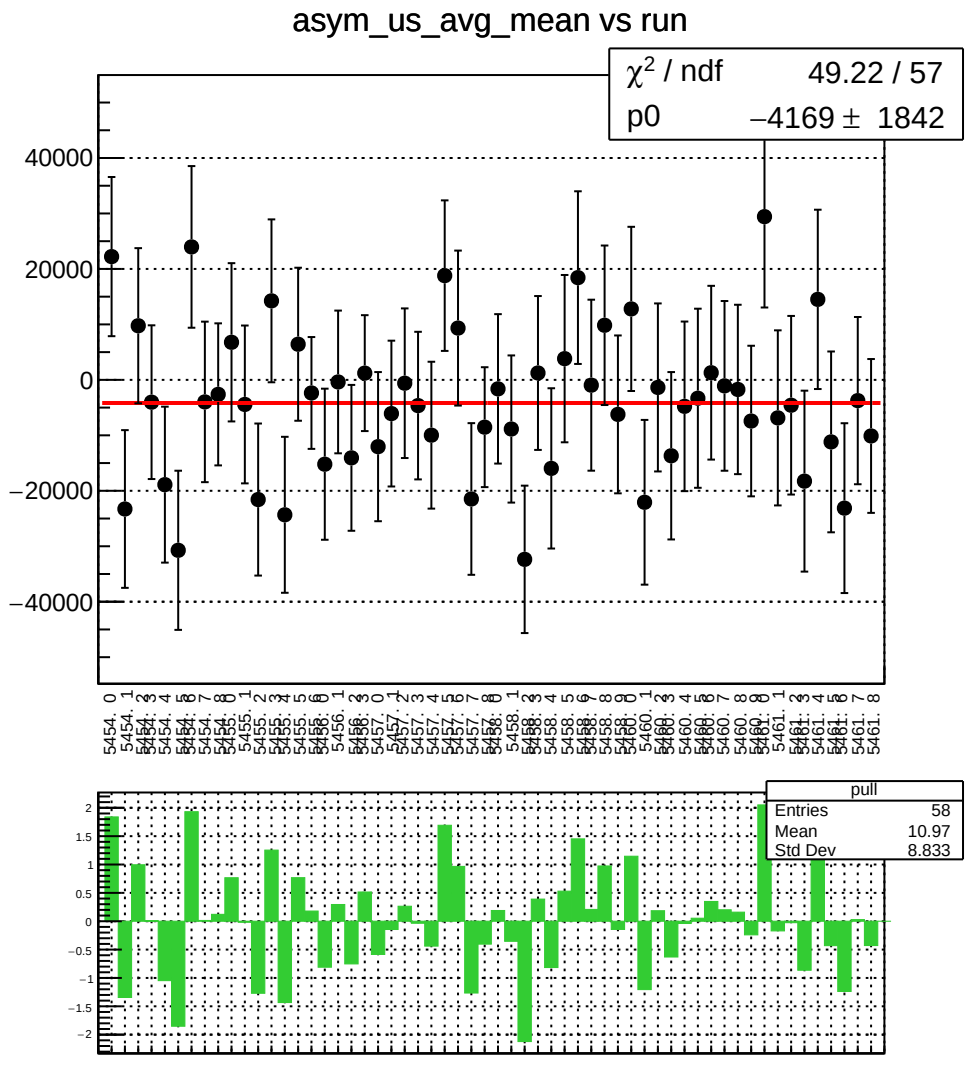

pull1D
Entries 58
Mean 0.01422
Std Dev 0.9523

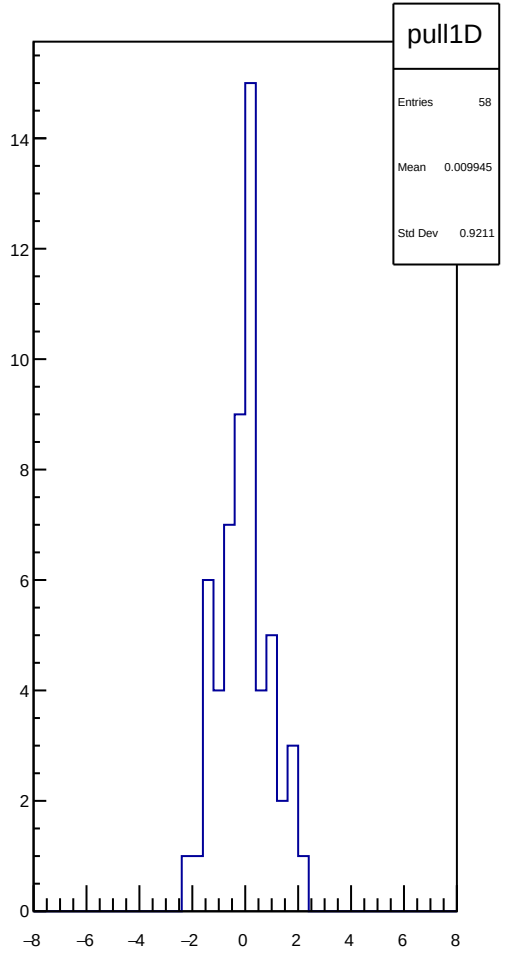

dit_asym_us_avg_rms vs run
χ² / ndf 116.7 / 57
p0 780.7 ± 0.7461
800
790
780
770
760

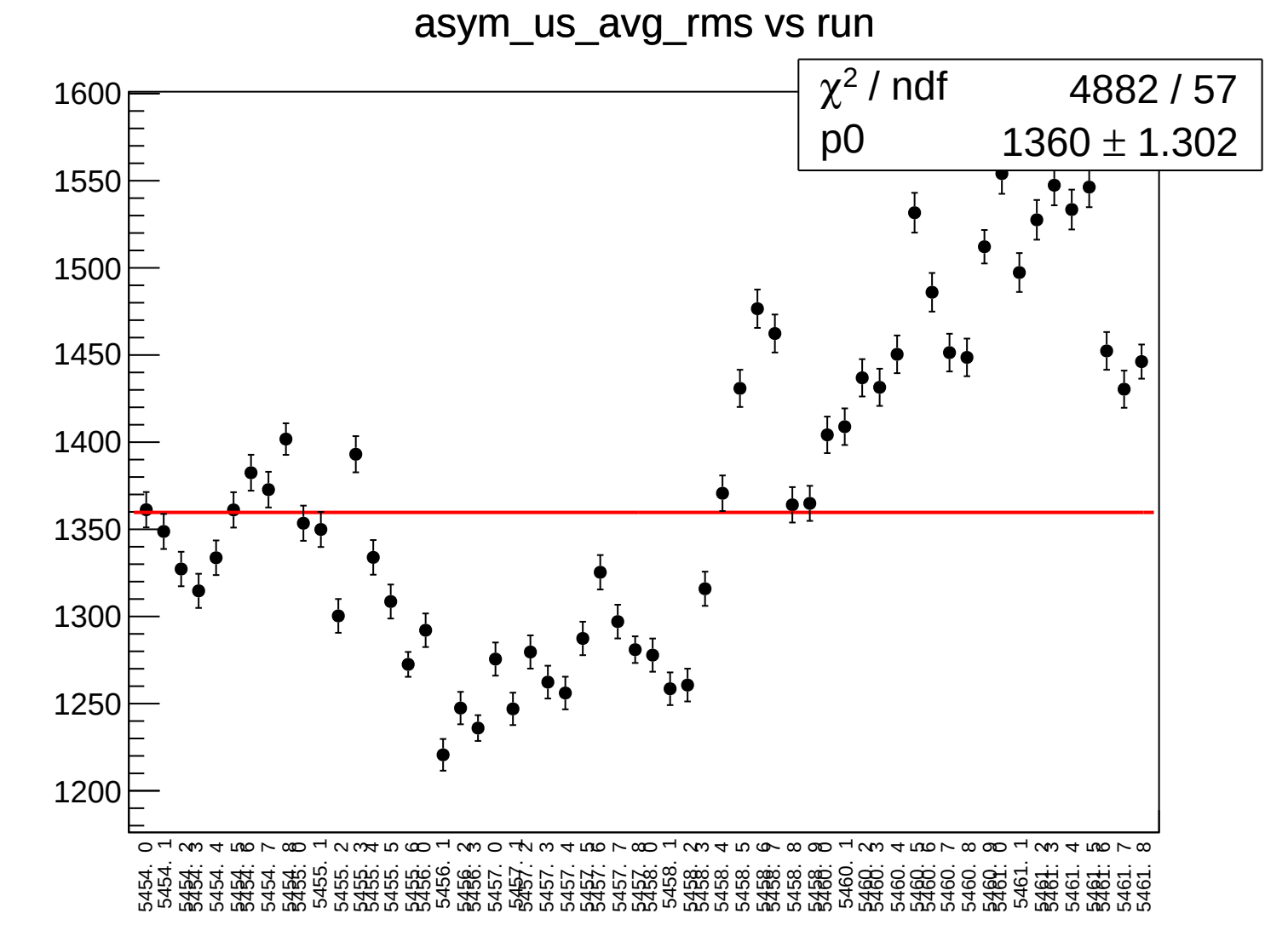

asym_us_avg_correction_mean vs run
χ² / ndf 47.34 / 57
p0 1914 ± 1567
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 205.7
Std Dev 165.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

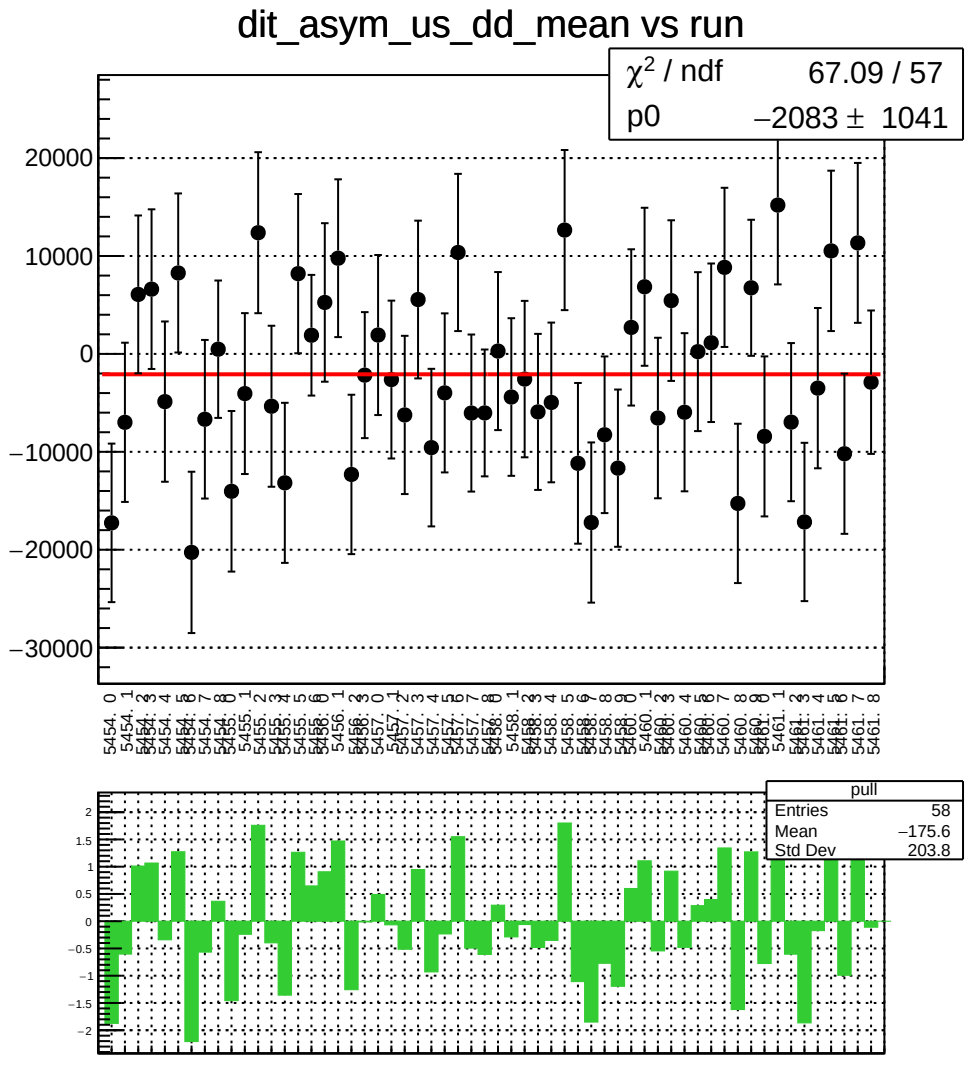

pull1D
Entries 58
Mean 0.004026
Std Dev 0.9035
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

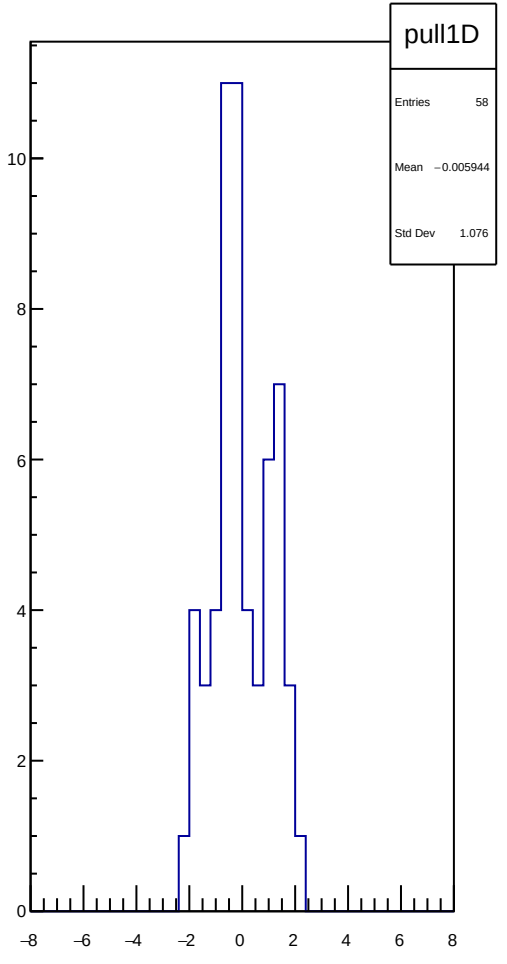

asym_us_avg_correction_rms vs run
χ² / ndf 6678 / 57
p0 1156 ± 1.108
1300
1250
1200
1150
1100
1050
1000
950

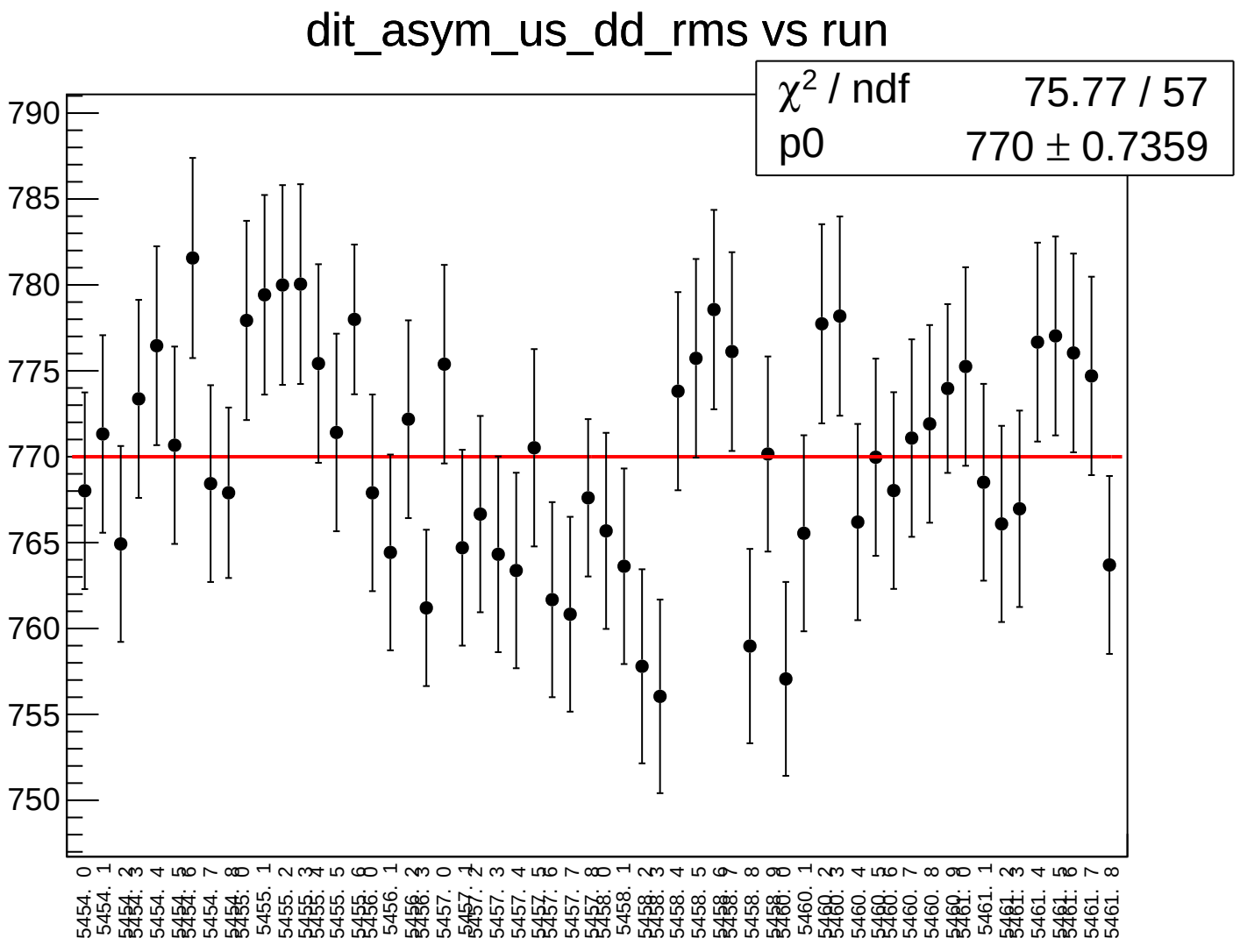

asym_us_avg_mean vs run
χ² / ndf 49.22 / 57
p0 −4169 ± 1842
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 10.97
Std Dev 8.833
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

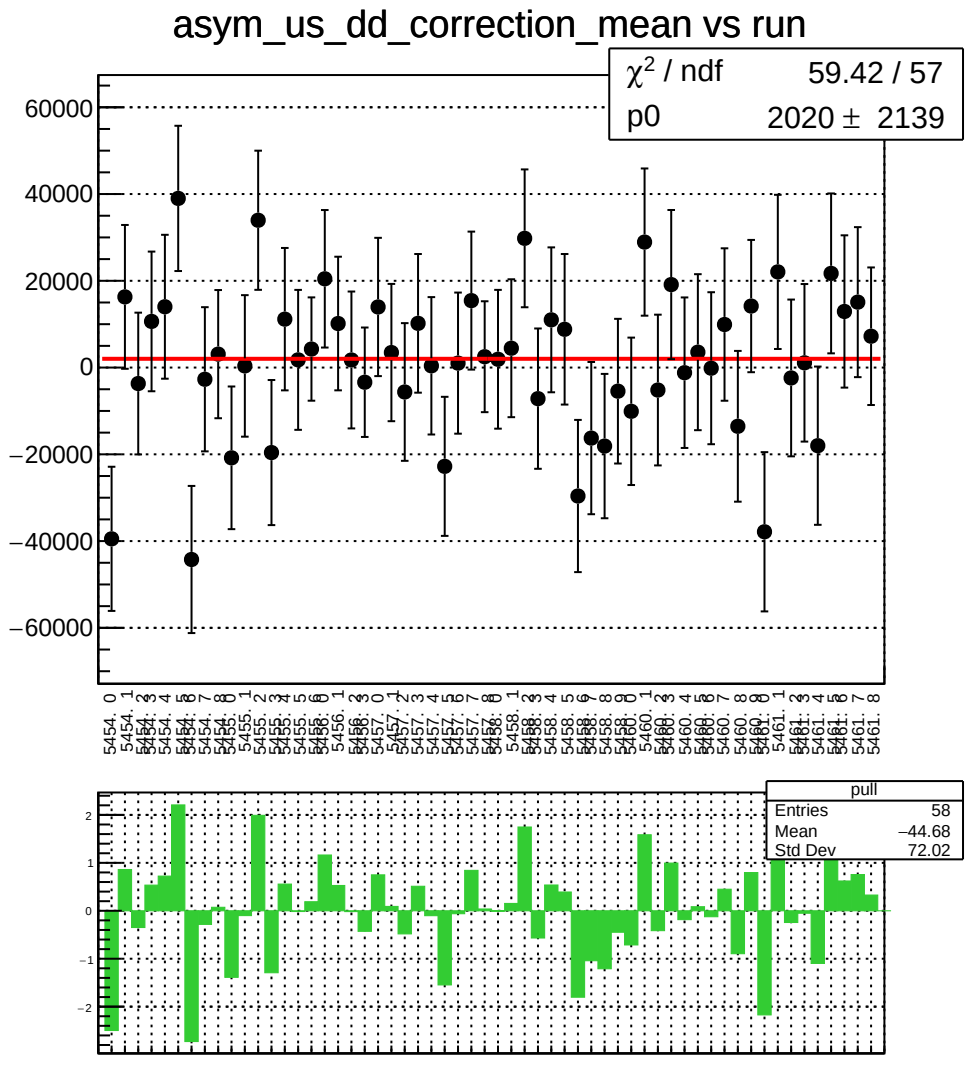

pull1D
Entries 58
Mean 0.009945
Std Dev 0.9211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

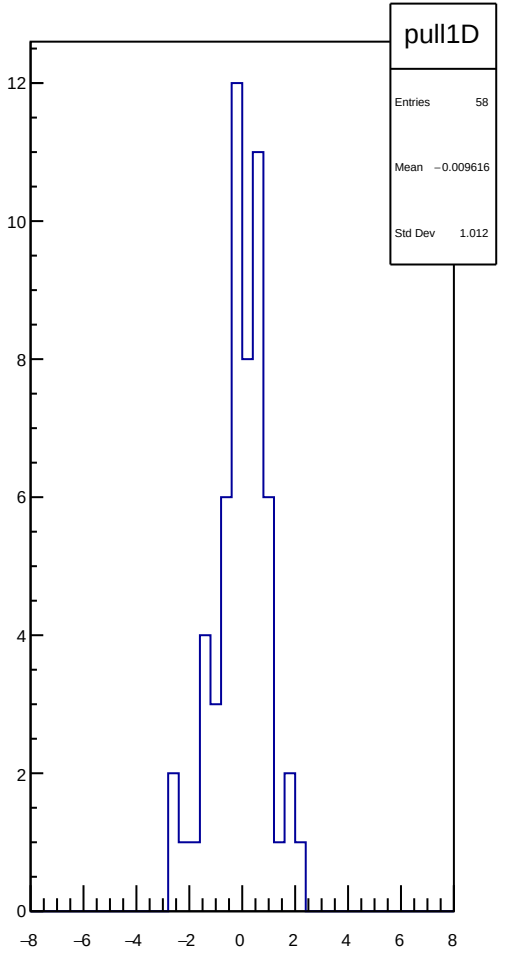

asym_us_avg_rms vs run
χ² / ndf 4882 / 57
p0 1360 ± 1.302
1600
1550
1500
1450
1400
1350
1300
1250
1200

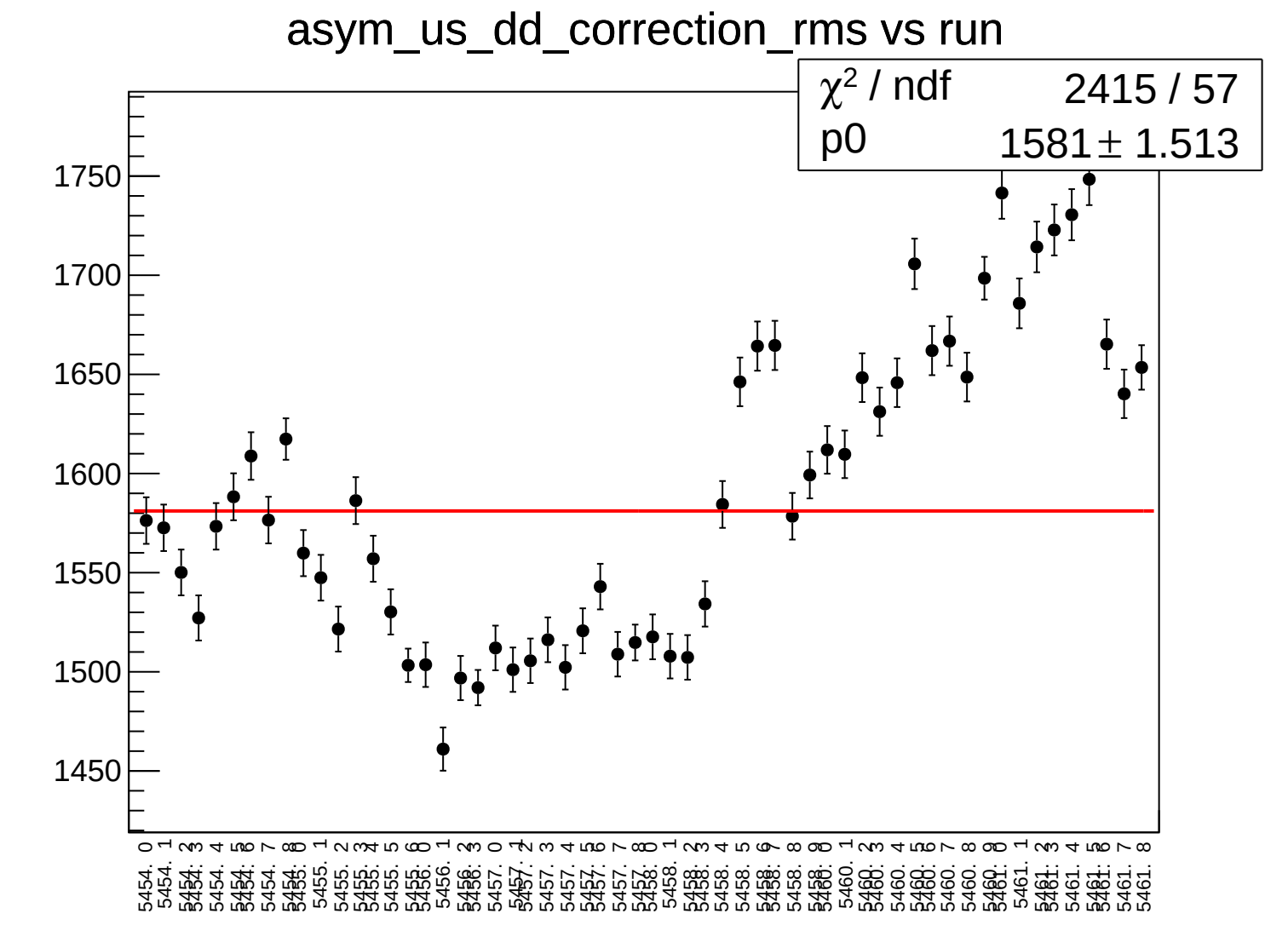

dit_asym_us_dd_mean vs run
χ² / ndf 67.09 / 57
p0 −2083 ± 1041
20000
10000
0
−10000
−20000
−30000
pull
Entries 58
Mean −175.6
Std Dev 203.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

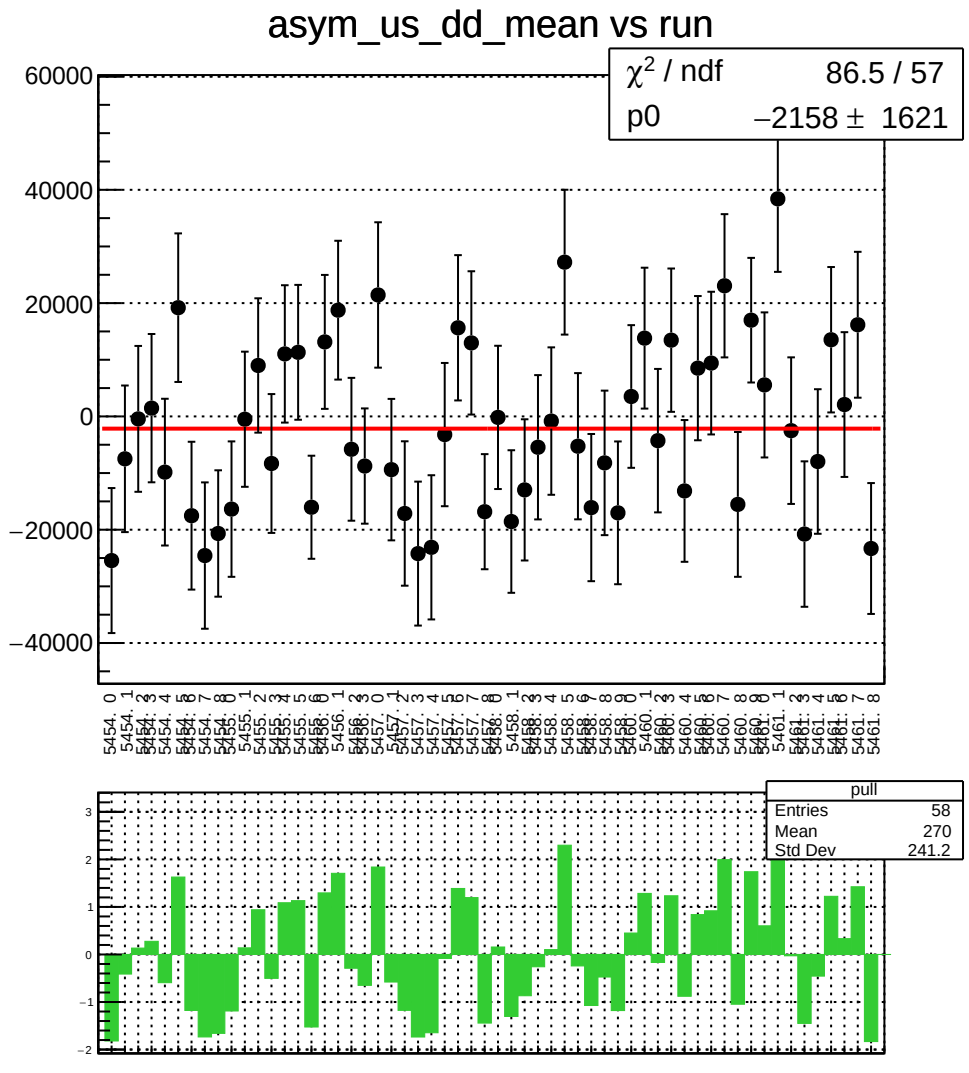

pull1D
Entries 58
Mean −0.005944
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

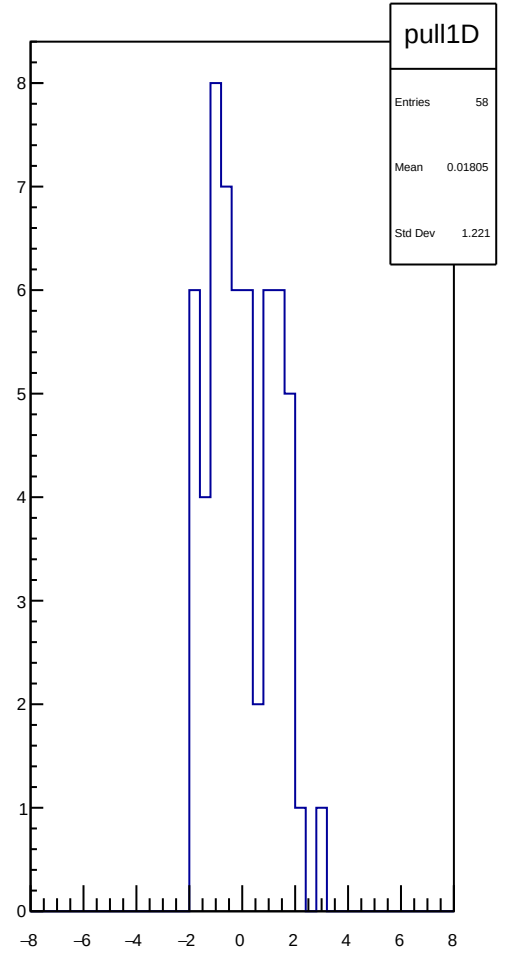

dit_asym_us_dd_rms vs run
χ² / ndf 75.77 / 57
p0 770 ± 0.7359
790
785
780
775
770
765
760
755
750

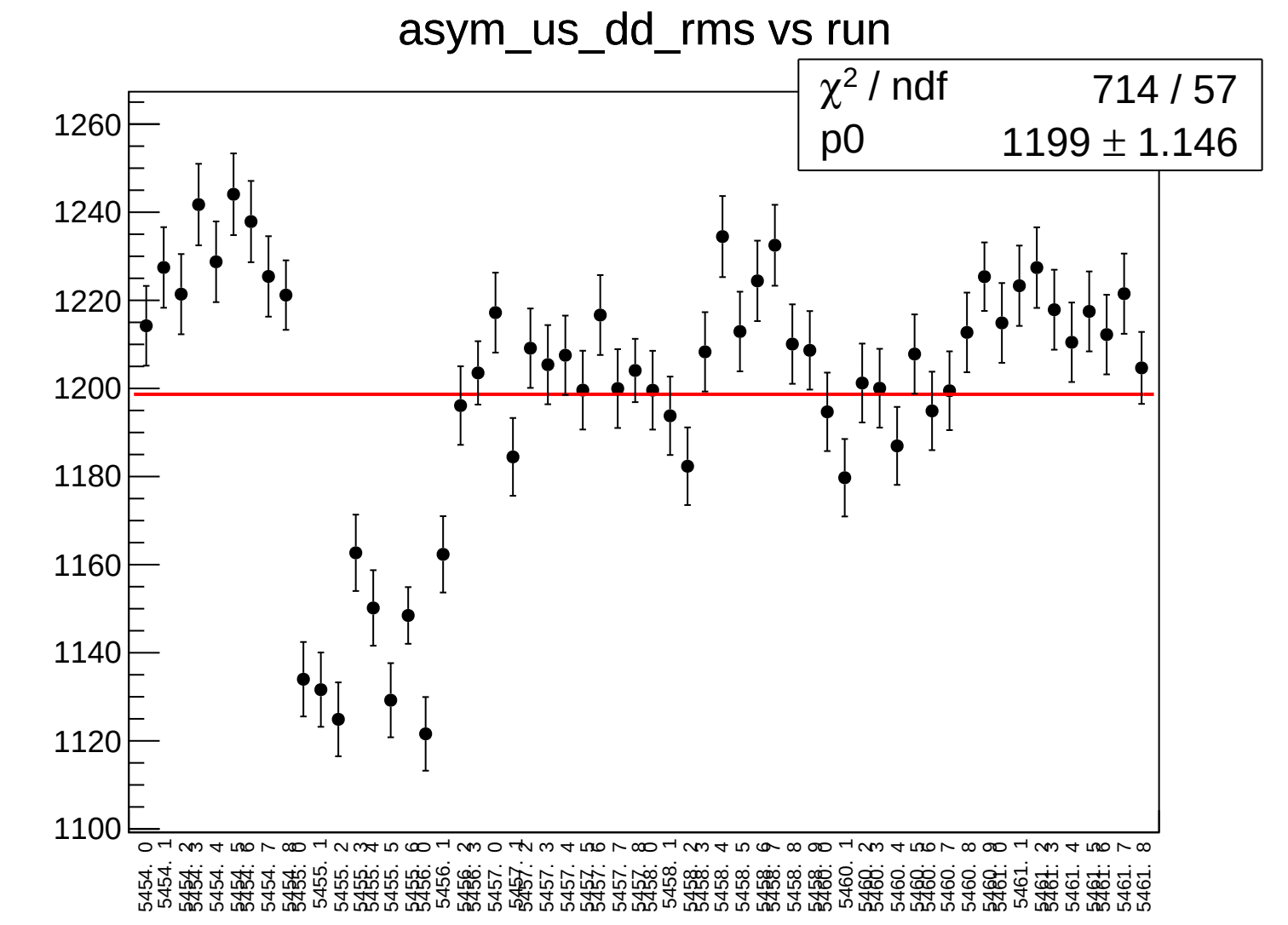

asym_us_dd_correction_mean vs run
χ² / ndf 59.42 / 57
p0 2020 ± 2139
pull
Entries 58
Mean −44.68
Std Dev 72.02

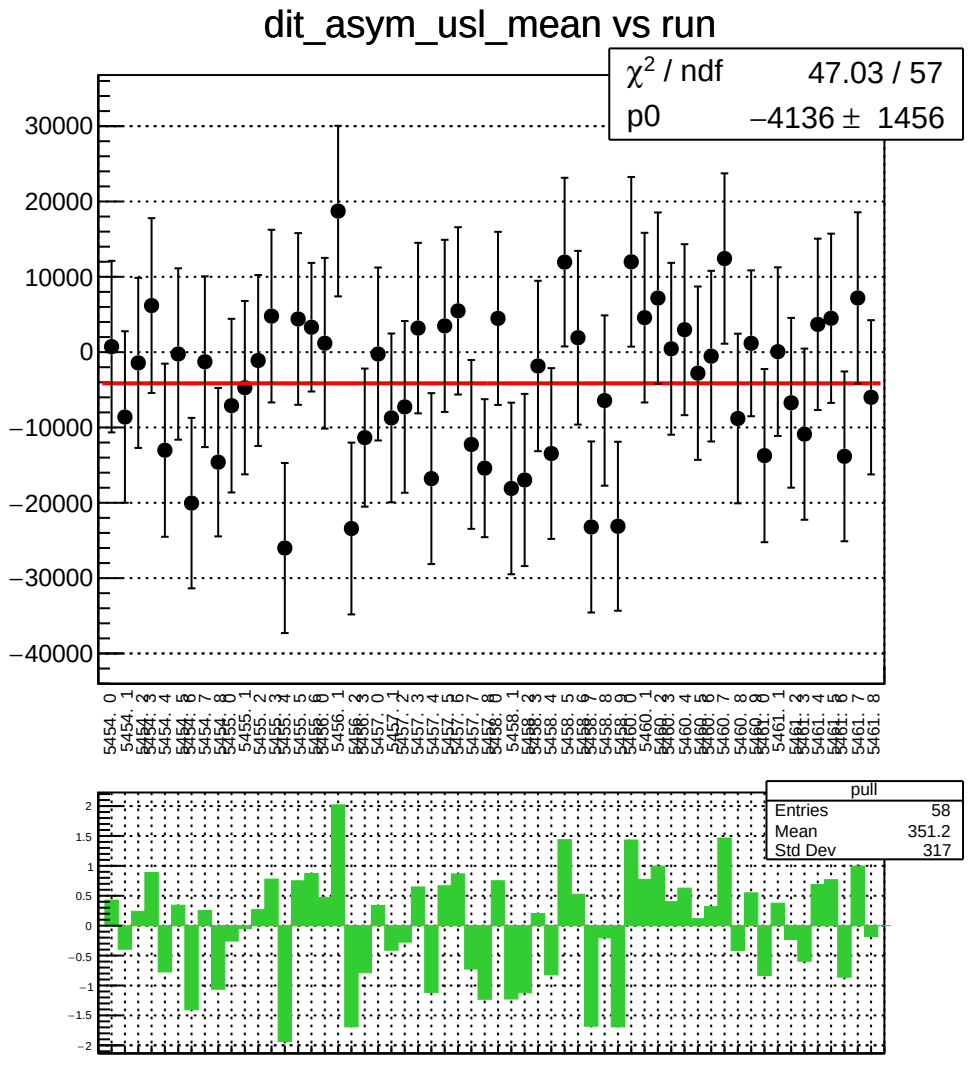

pull1D
Entries 58
Mean −0.009616
Std Dev 1.012

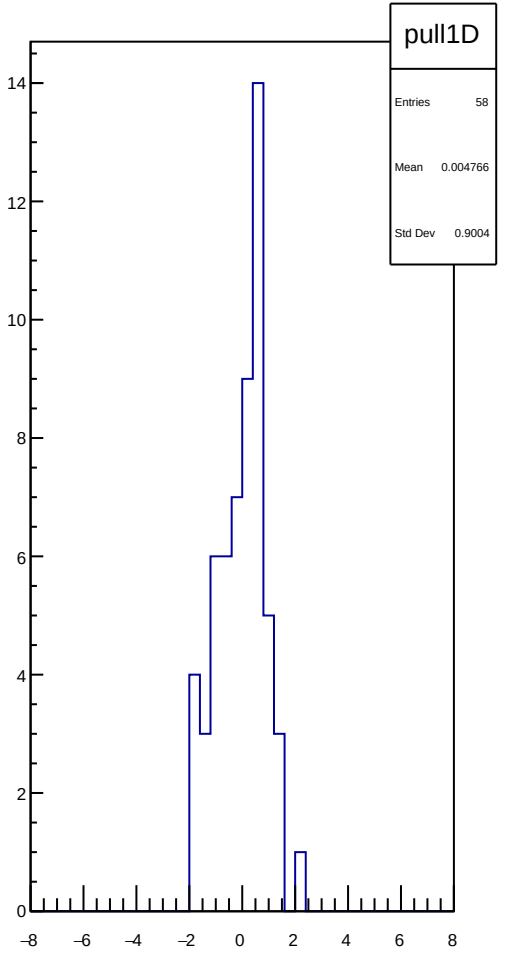

asym_us_dd_correction_rms vs run
χ² / ndf 2415 / 57
p0 1581 ± 1.513
1750
1700
1650
1600
1550
1500
1450

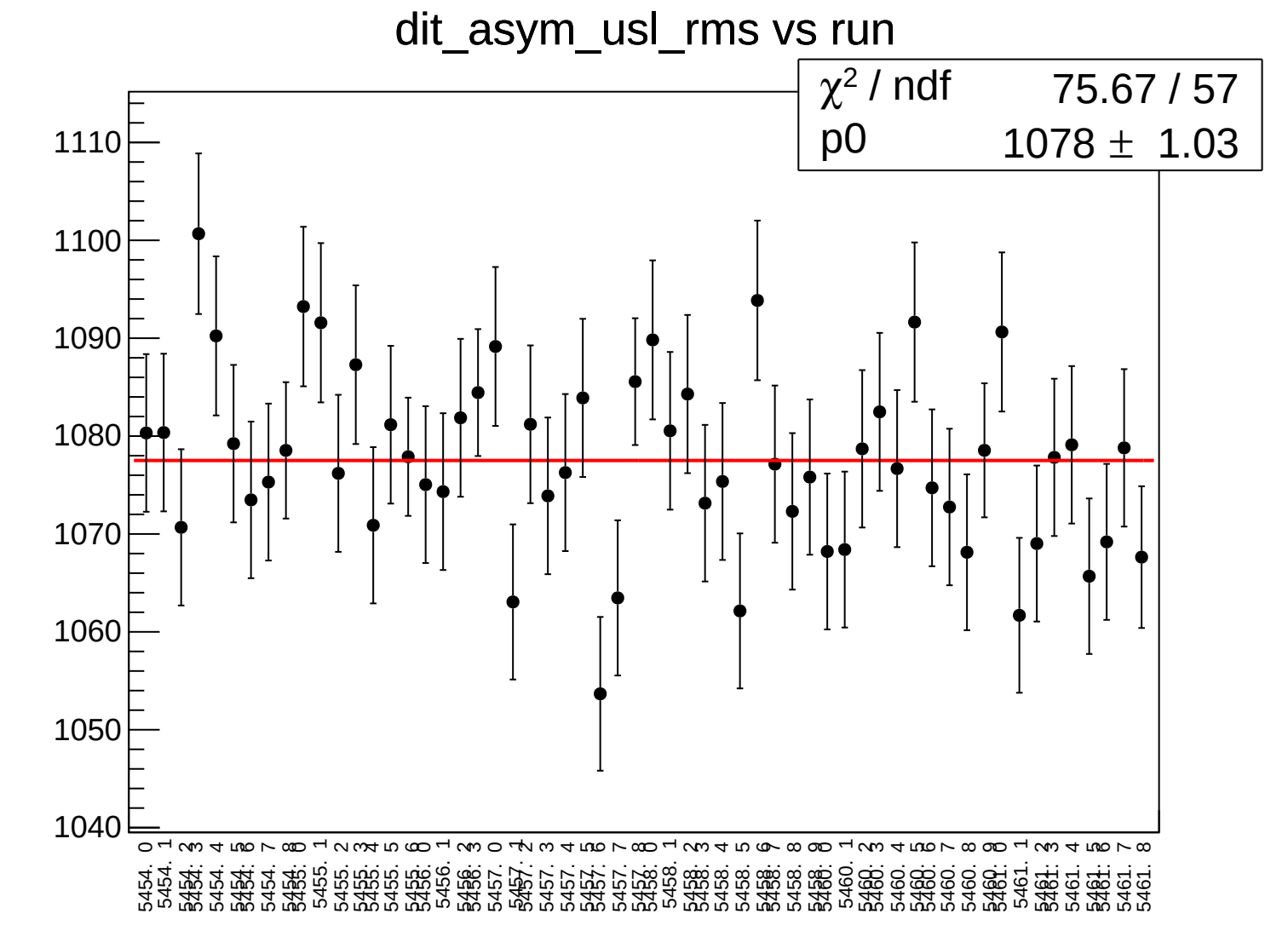

asym_us_dd_mean vs run
χ² / ndf 86.5 / 57
p0 −2158 ± 1621
pull
Entries 58
Mean 270
Std Dev 241.2

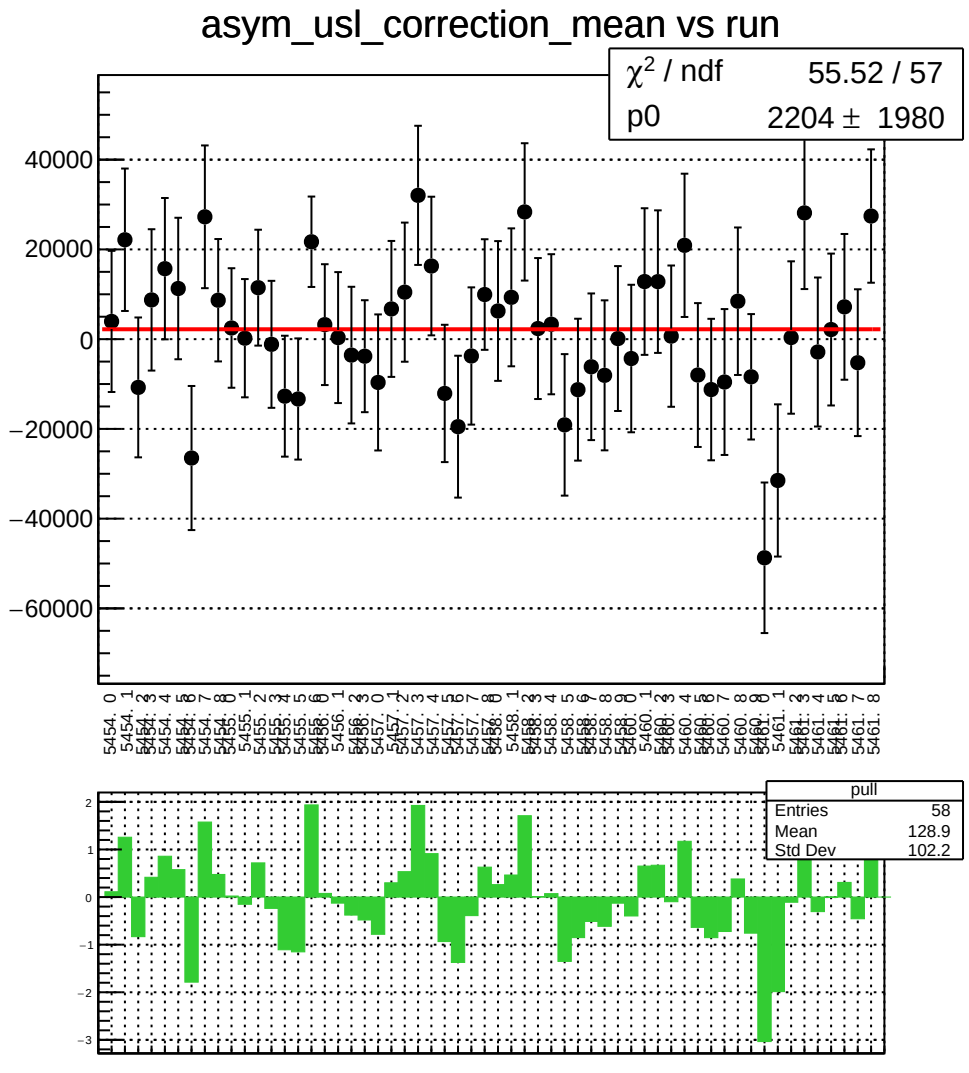

pull1D
Entries 58
Mean 0.01805
Std Dev 1.221

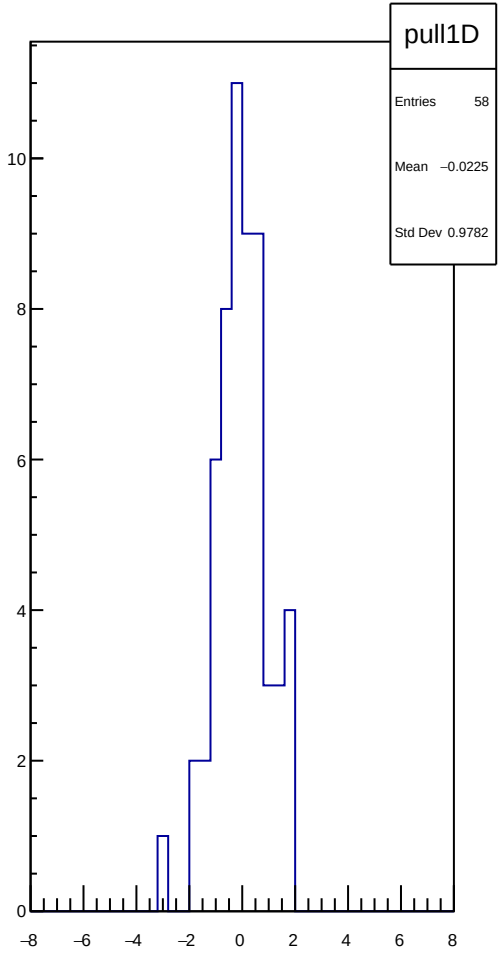

asym_us_dd_rms vs run
χ² / ndf 714 / 57
p0 1199 ± 1.146
1260
1240
1220
1200
1180
1160
1140
1120
1100

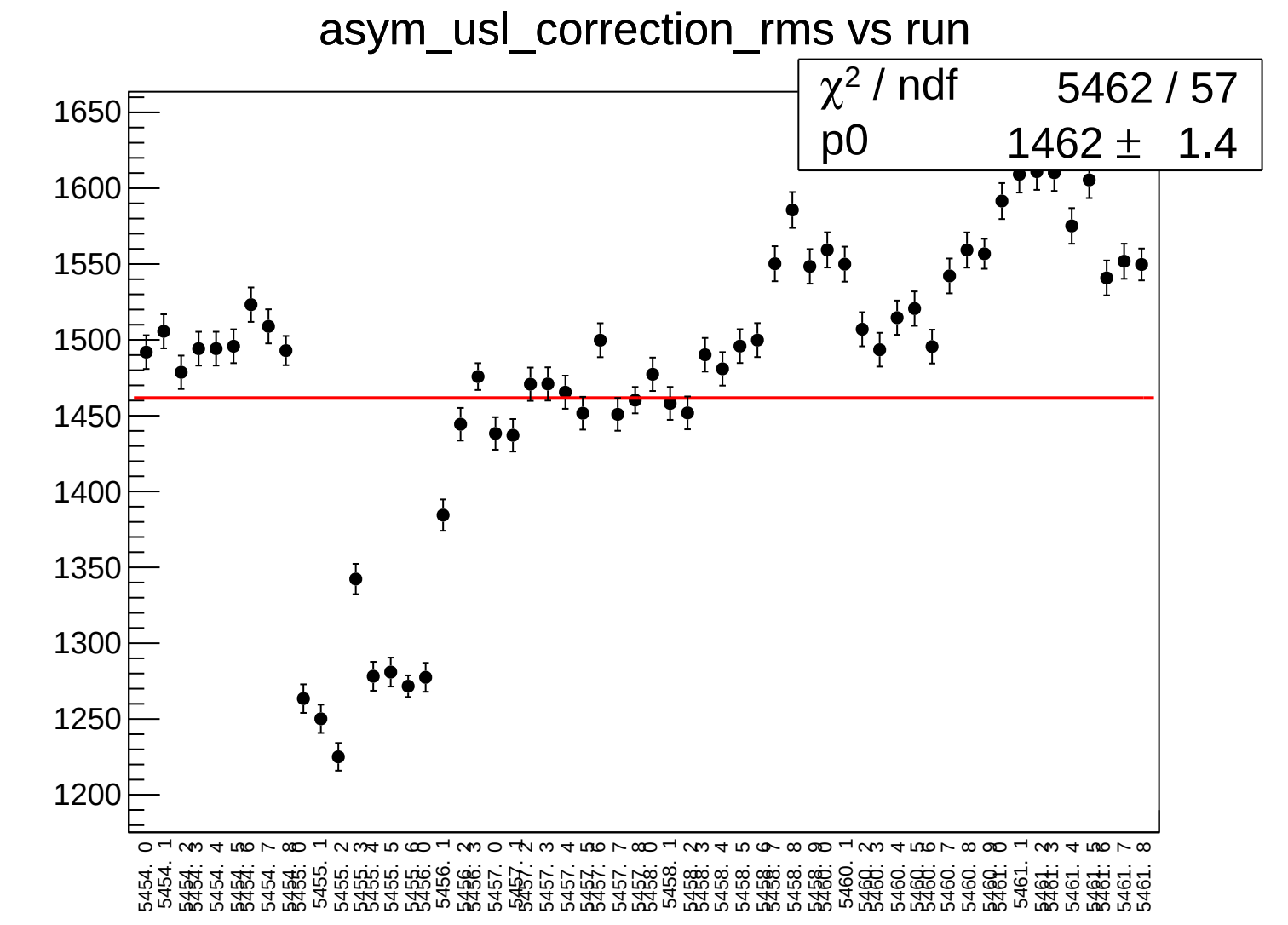

dit_asym_usl_mean vs run
χ² / ndf 47.03 / 57
p0 −4136 ± 1456
pull
Entries 58
Mean 351.2
Std Dev 317

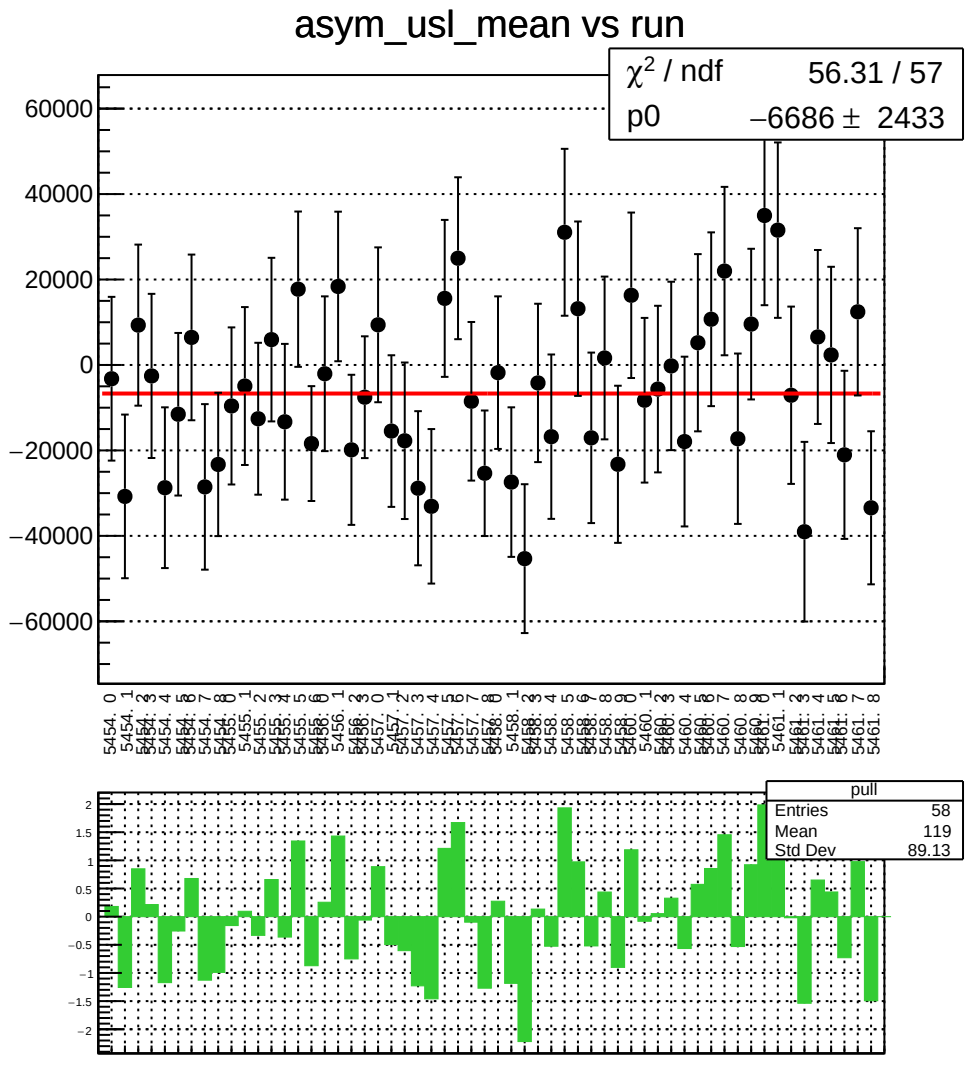

pull1D
Entries 58
Mean 0.004766
Std Dev 0.9004

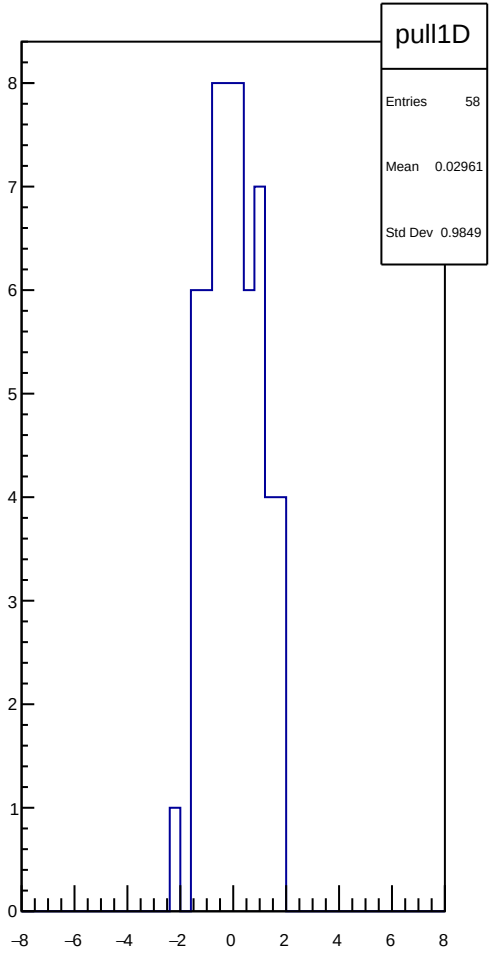

dit_asym_usl_rms vs run
χ² / ndf 75.67 / 57
p0 1078 ± 1.03
1110
1100
1090
1080
1070
1060
1050
1040
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

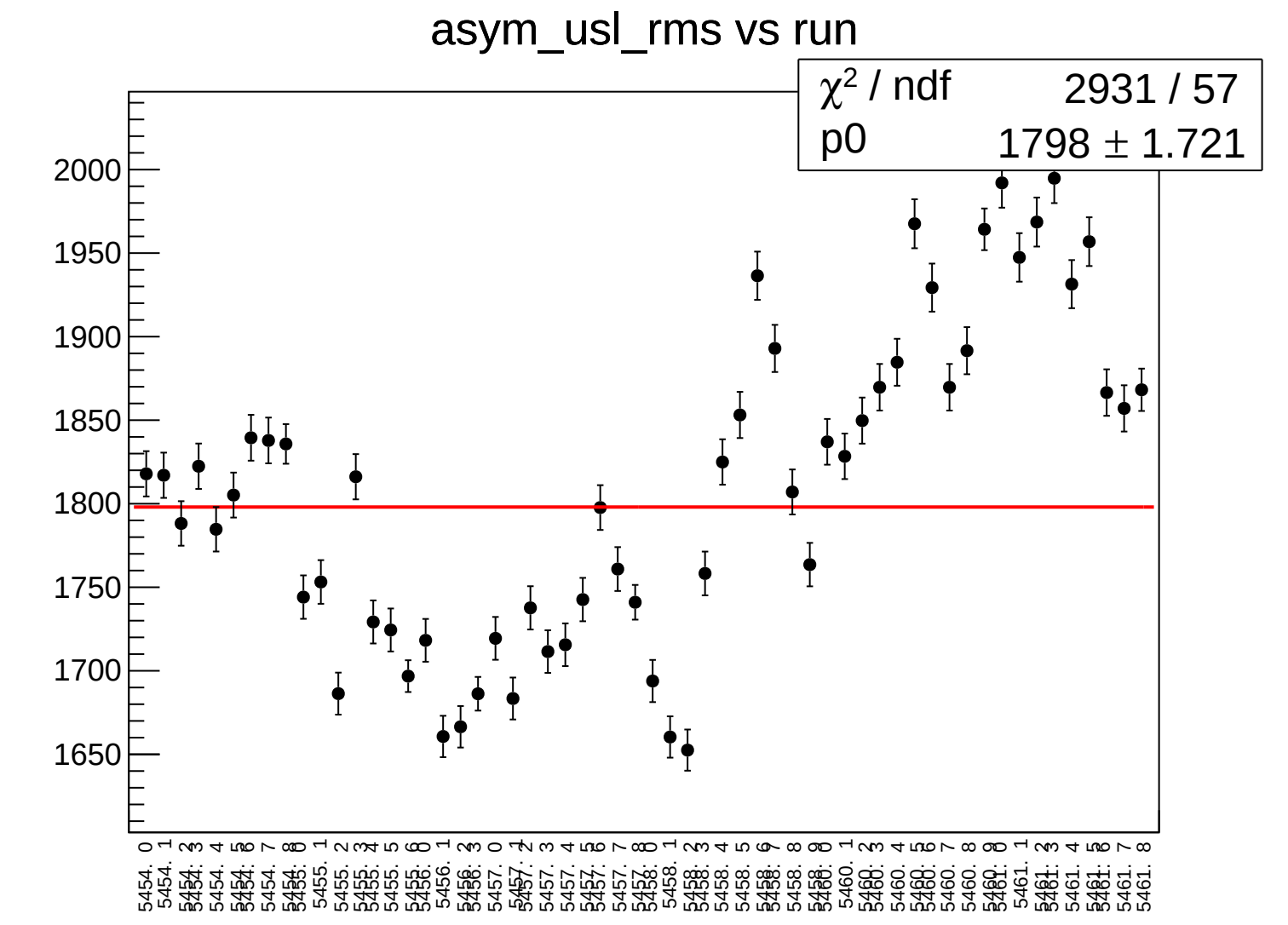

asym_usl_correction_mean vs run
χ² / ndf 55.52 / 57
p0 2204 ± 1980
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 128.9
Std Dev 102.2
2
1
0
−1
−2
−3

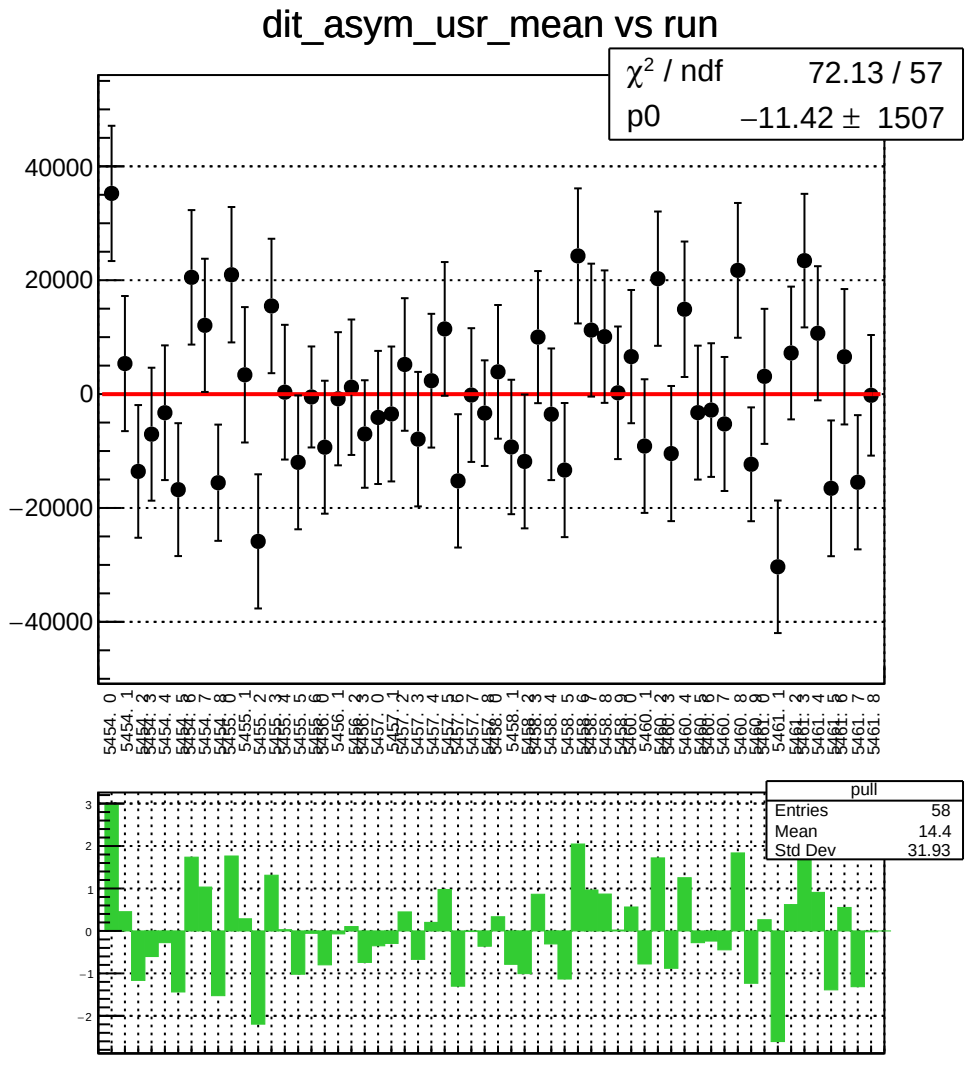

pull1D
Entries 58
Mean −0.0225
Std Dev 0.9782
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

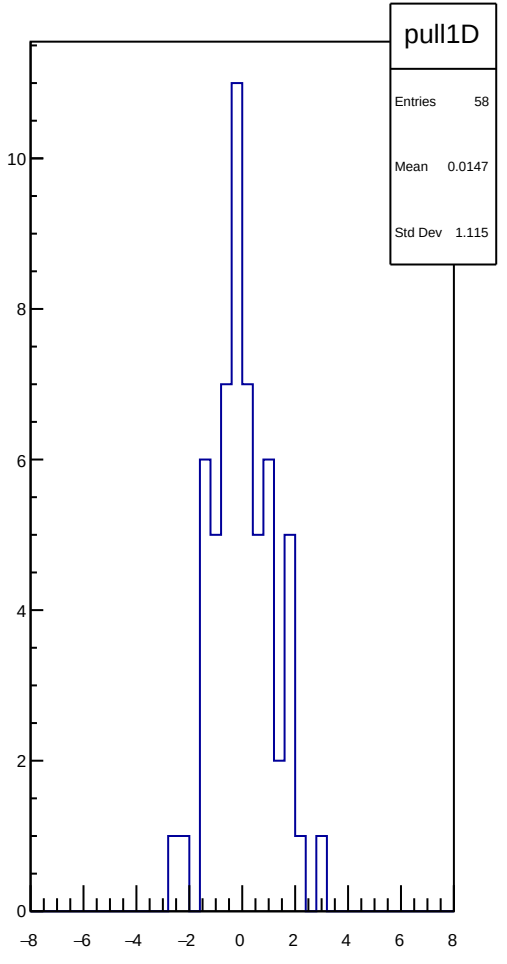

asym_usl_correction_rms vs run
χ² / ndf 5462 / 57
p0 1462 ± 1.4
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

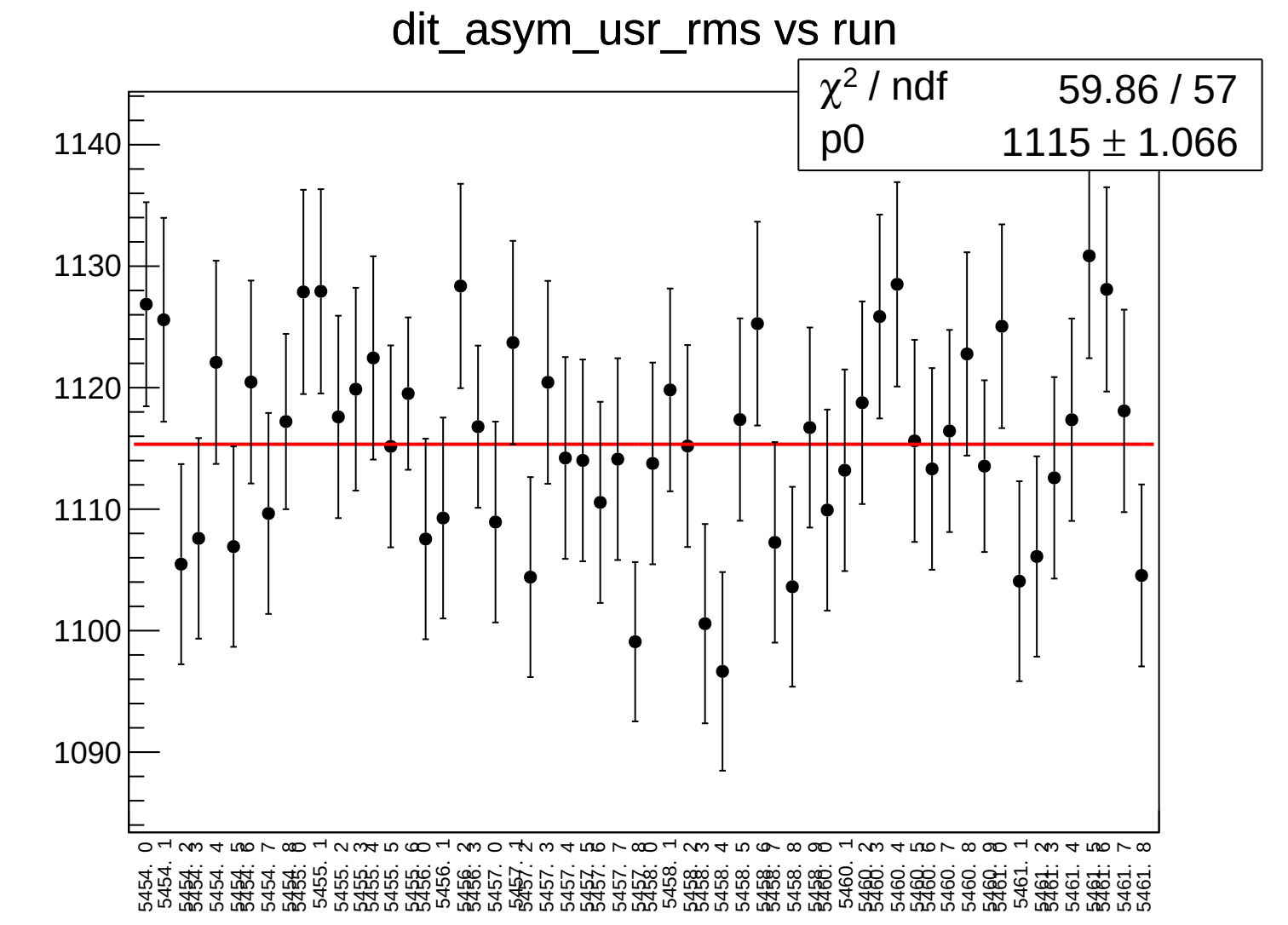

asym_usl_mean vs run
χ² / ndf 56.31 / 57
p0 −6686 ± 2433
pull
Entries 58
Mean 119
Std Dev 89.13

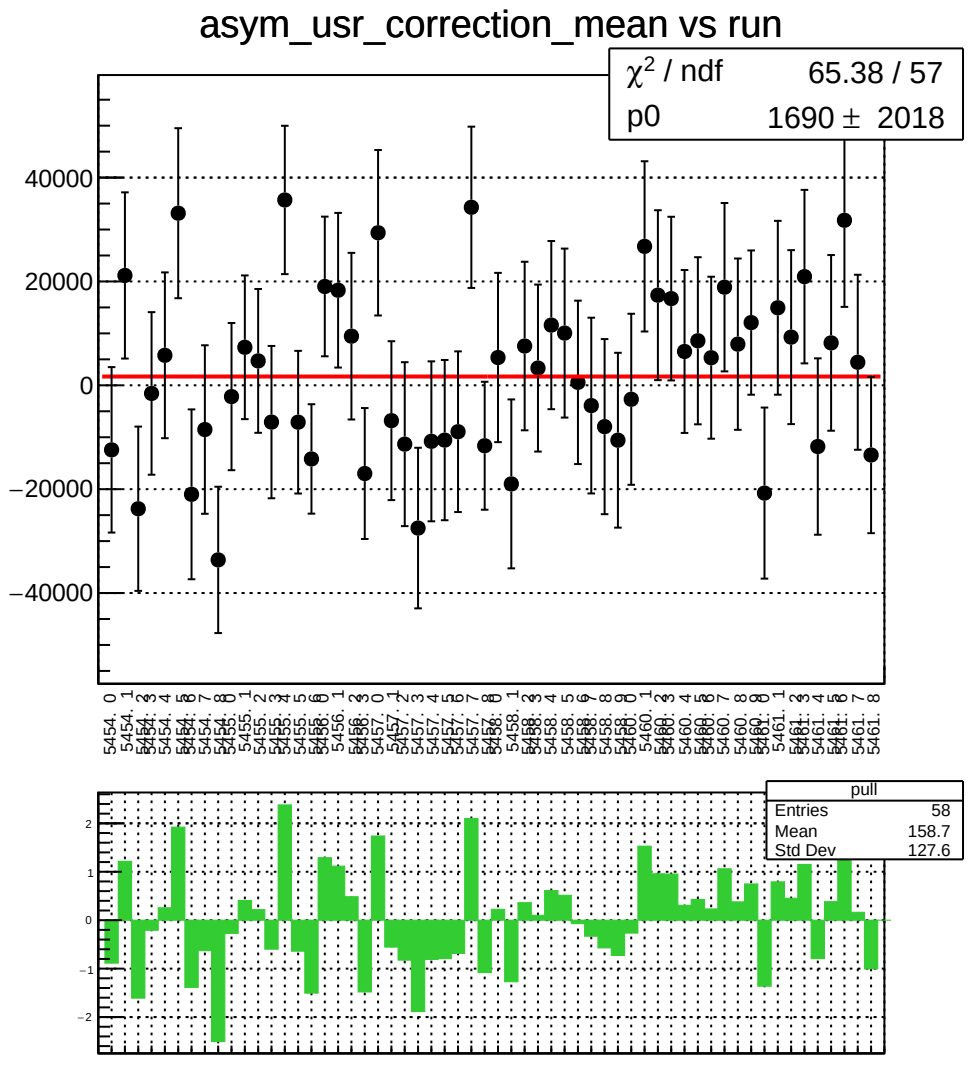

pull1D
Entries 58
Mean 0.02961
Std Dev 0.9849

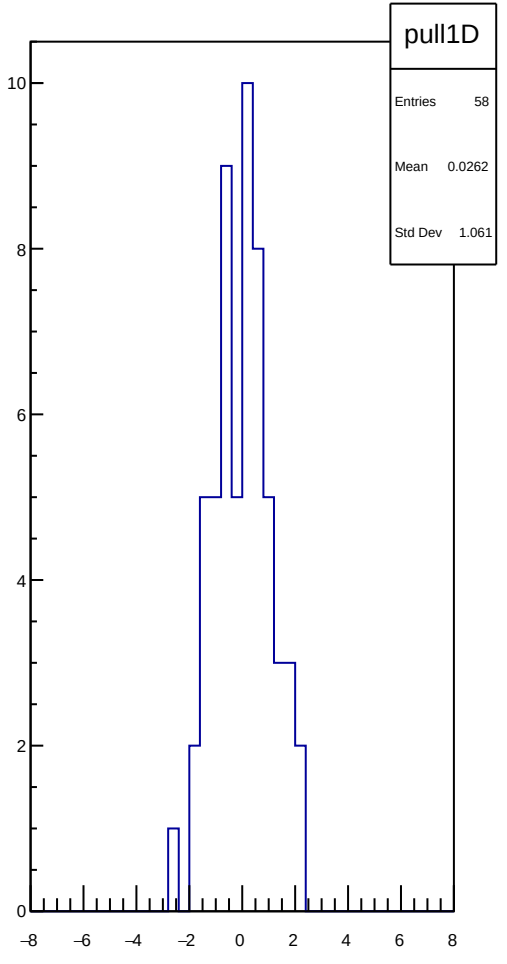

asym_usl_rms vs run
χ² / ndf 2931 / 57
p0 1798 ± 1.721
2000
1950
1900
1850
1800
1750
1700
1650

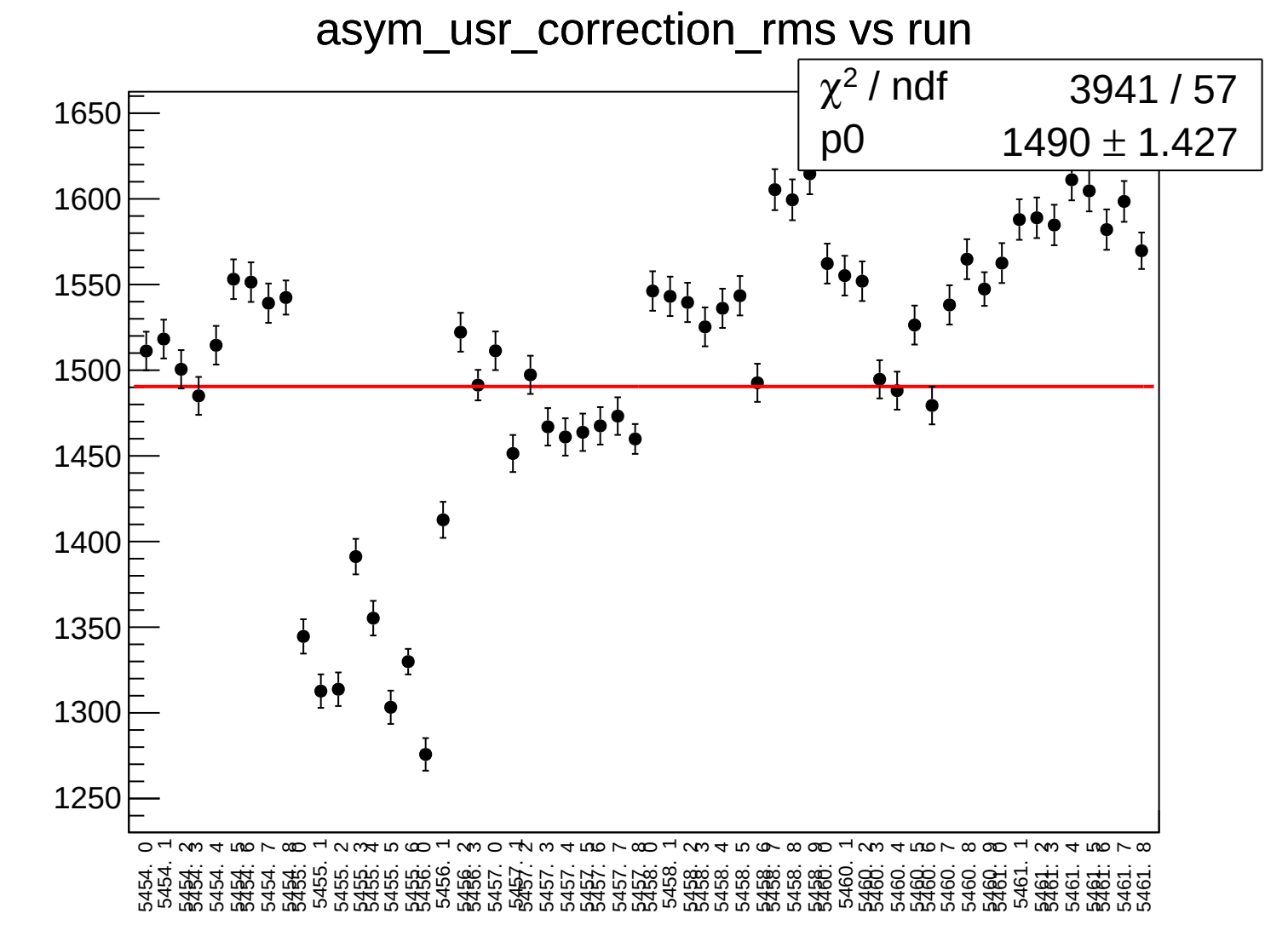

dit_asym_usr_mean vs run
χ² / ndf 72.13 / 57
p0 −11.42 ± 1507
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 14.4
Std Dev 31.93
3
2
1
0
−1
−2

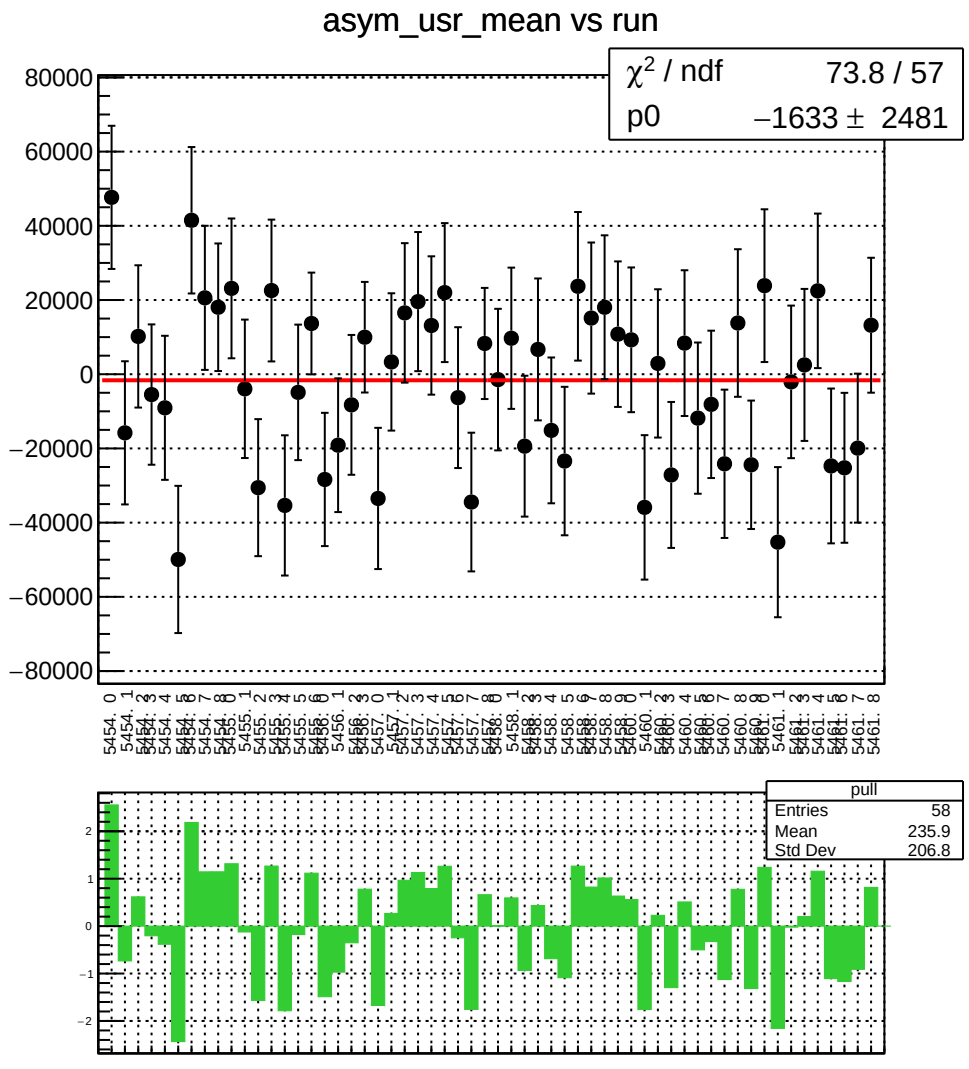

pull1D
Entries 58
Mean 0.0147
Std Dev 1.115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

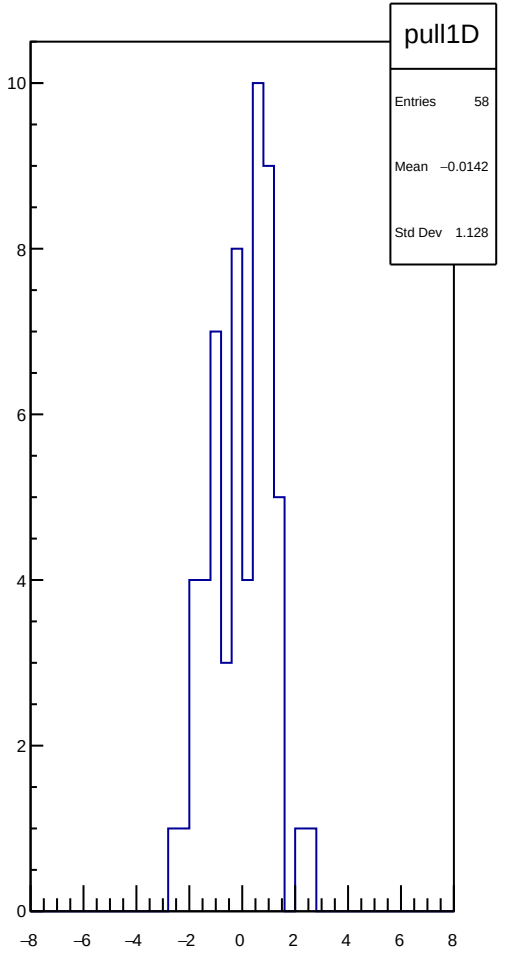

dit_asym_usr_rms vs run
χ² / ndf 59.86 / 57
p0 1115 ± 1.066
1140
1130
1120
1110
1100
1090

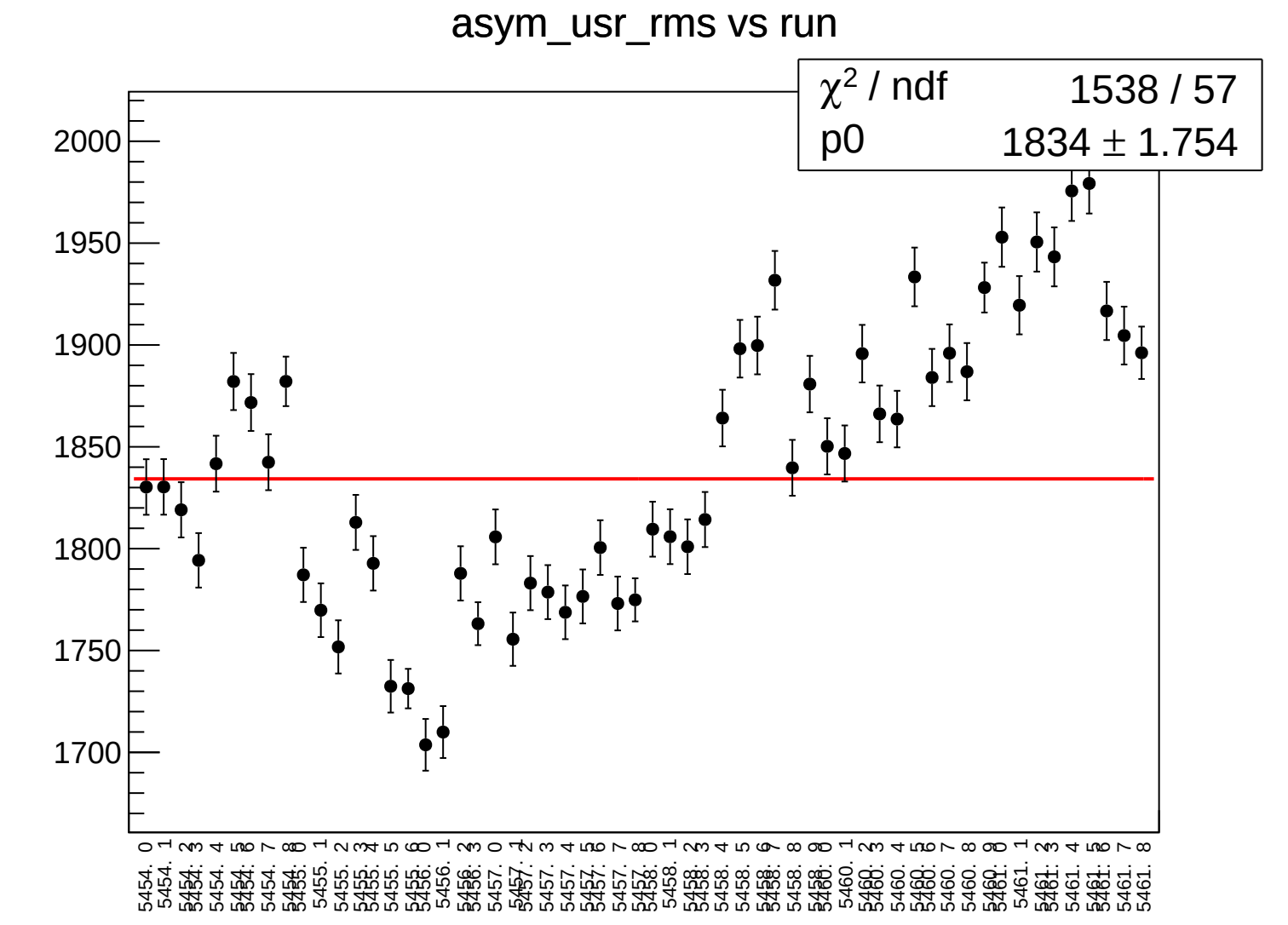

asym_usr_correction_mean vs run
χ² / ndf 65.38 / 57
p0 1690 ± 2018
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 158.7
Std Dev 127.6
2
1
0
−1
−2

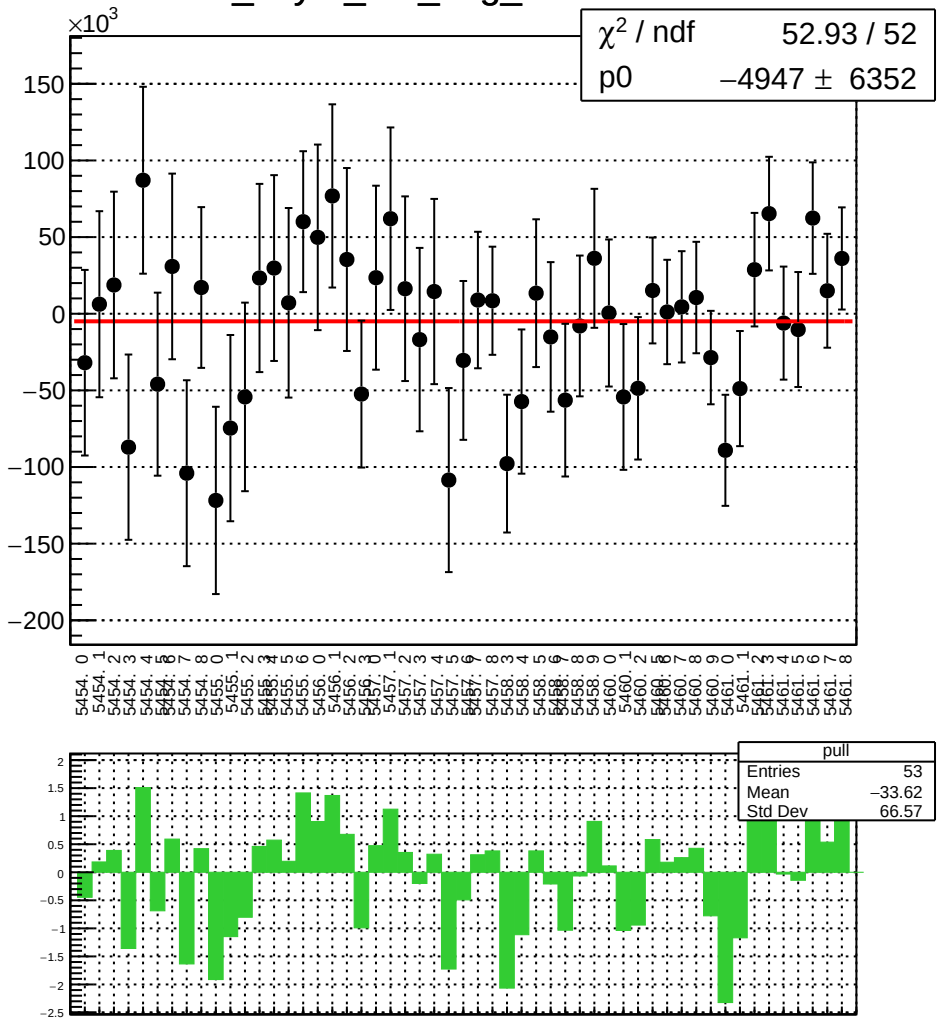

pull1D
Entries 58
Mean 0.0262
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

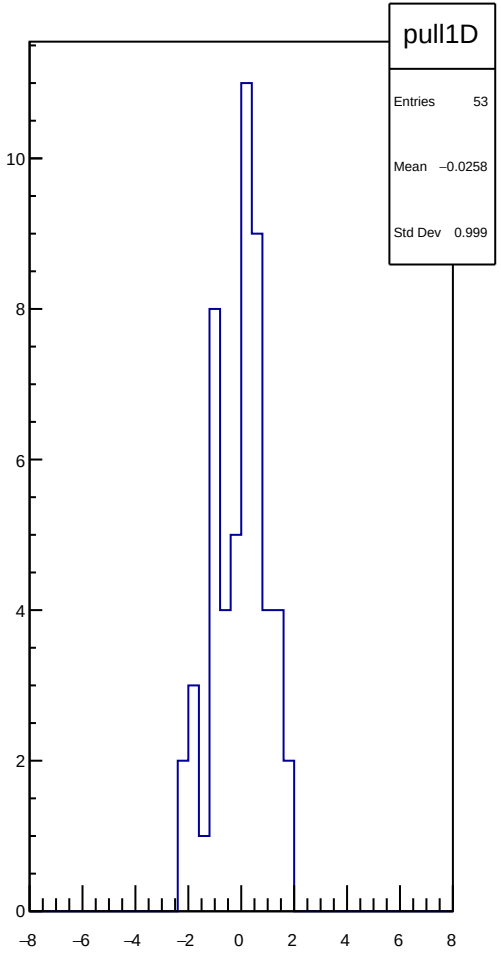

asym_usr_correction_rms vs run
χ² / ndf 3941 / 57
p0 1490 ± 1.427
1650
1600
1550
1500
1450
1400
1350
1300
1250

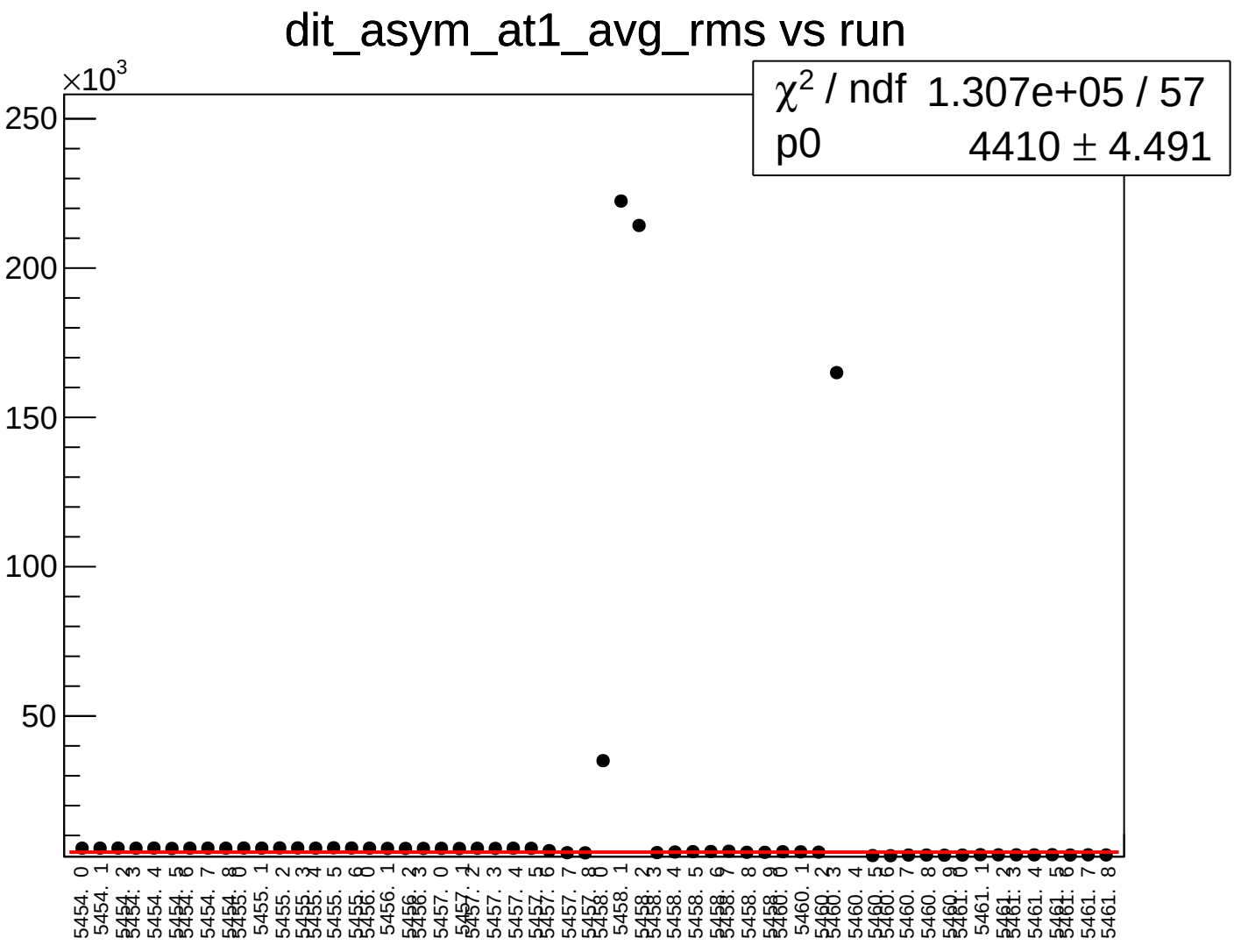

asym_usr_mean vs run
χ² / ndf 73.8 / 57
p0 −1633 ± 2481
pull
Entries 58
Mean 235.9
Std Dev 206.8

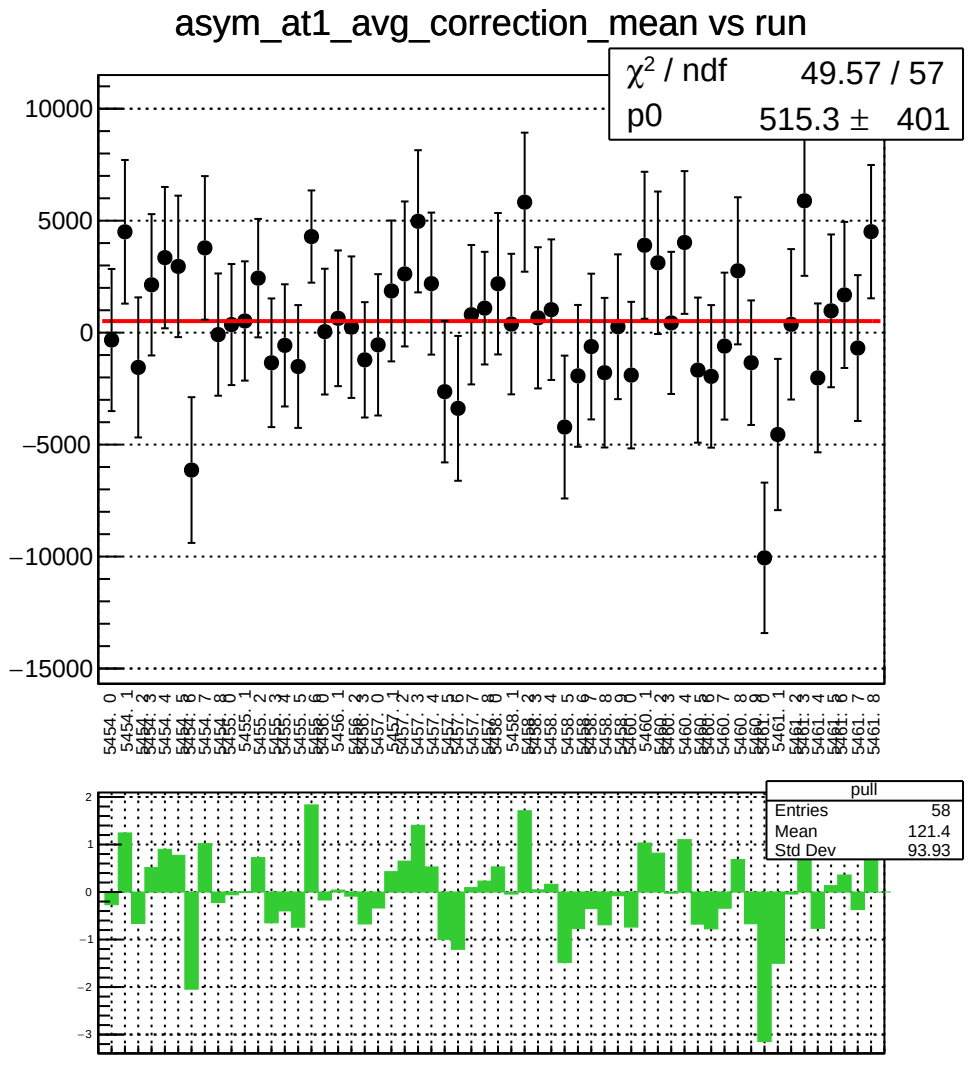

pull1D
Entries 58
Mean −0.0142
Std Dev 1.128

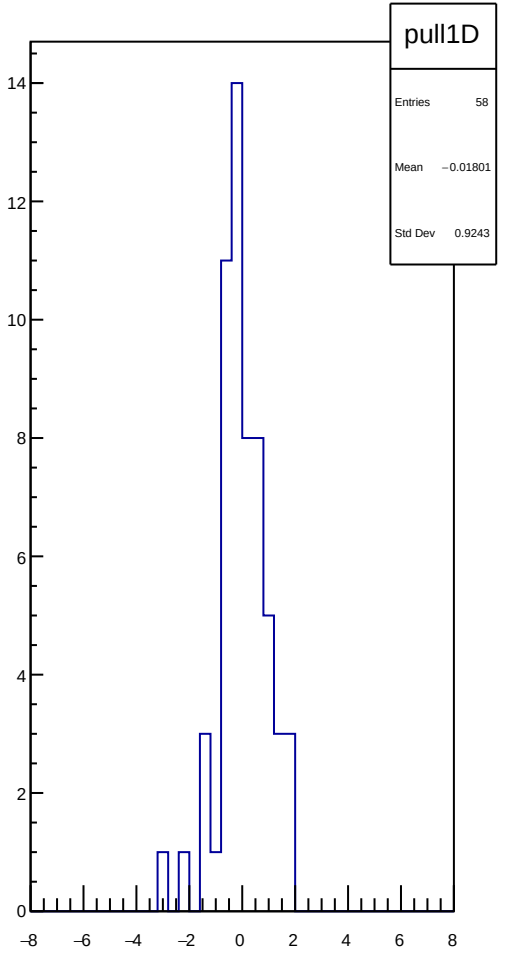

asym_usr_rms vs run
χ² / ndf 1538 / 57
p0 1834 ± 1.754
2000
1950
1900
1850
1800
1750
1700

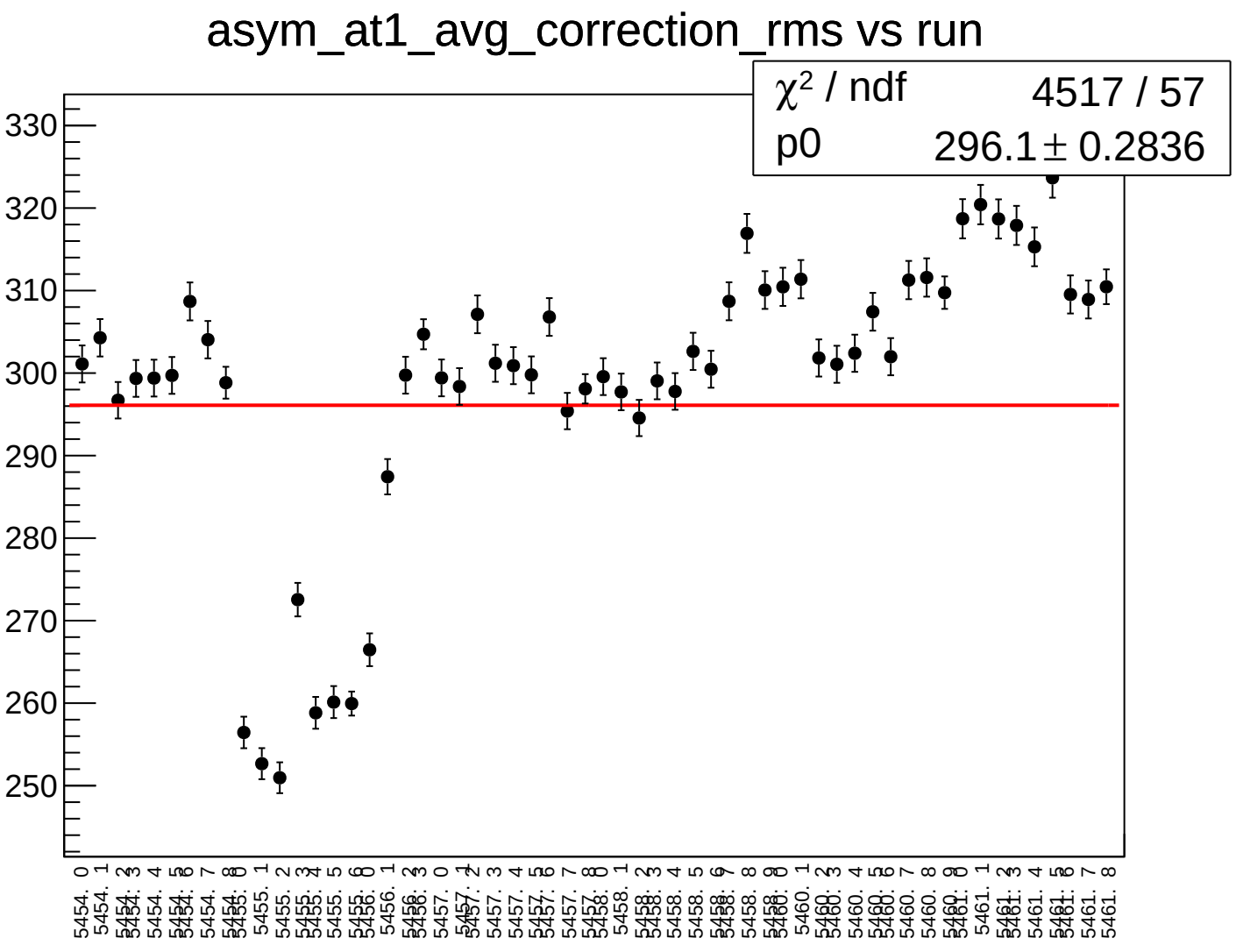

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 52.93 / 52
p0 −4947 ± 6352
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −33.62
Std Dev 66.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

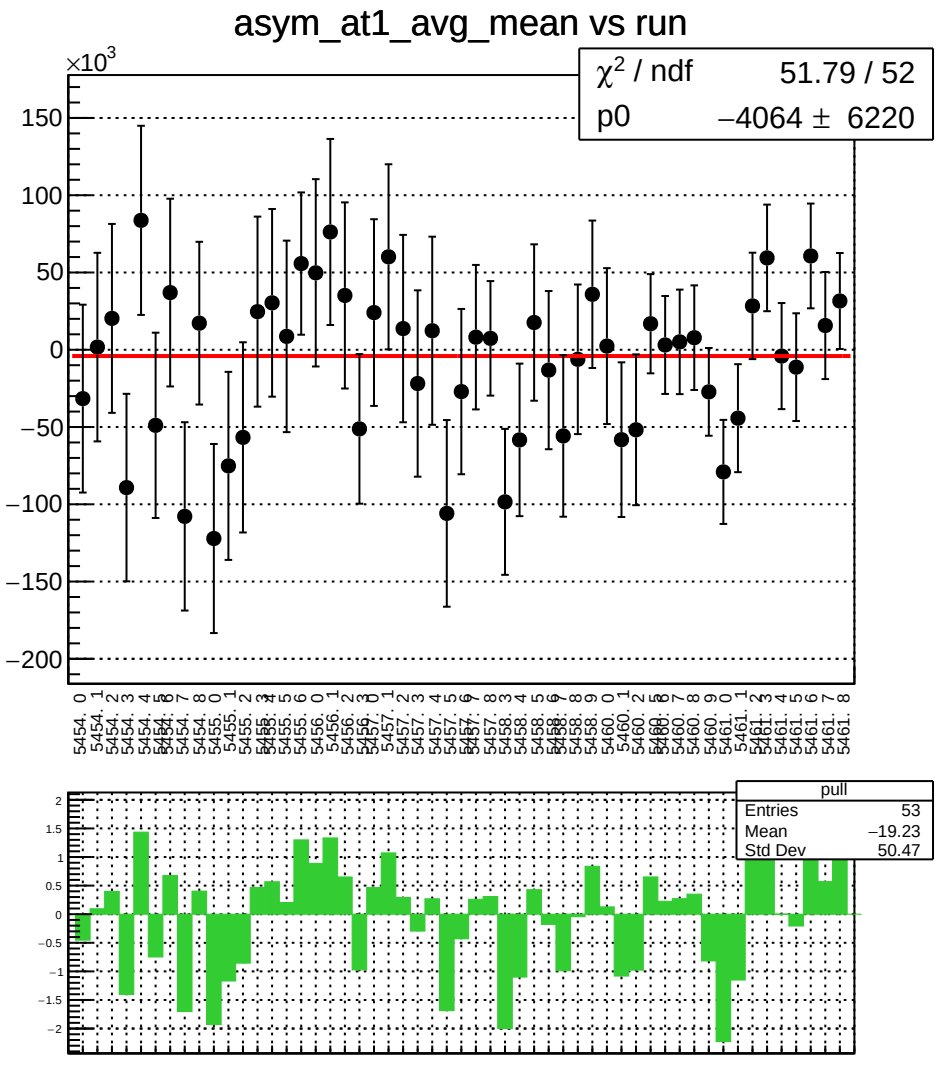

pull1D
Entries 53
Mean −0.0258
Std Dev 0.999
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

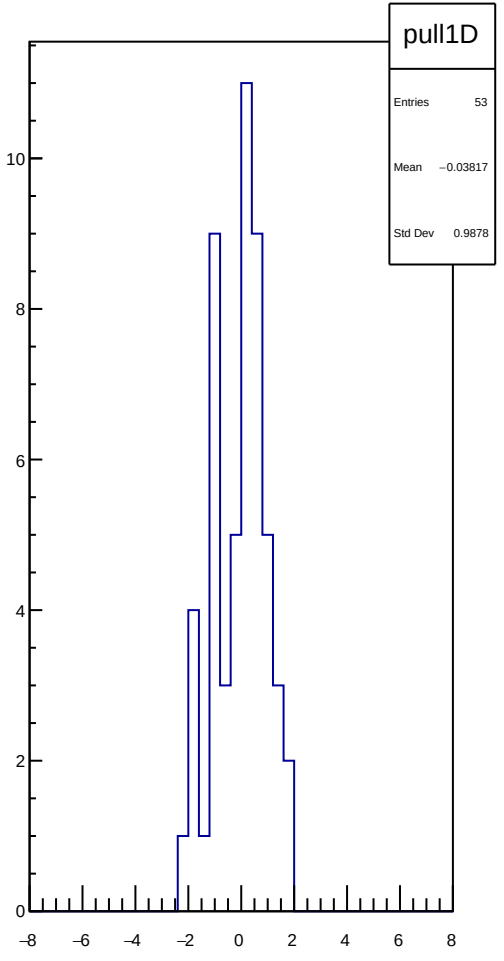

dit_asym_at1_avg_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 1.307e+05 / 57
p0 4410 ± 4.491
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

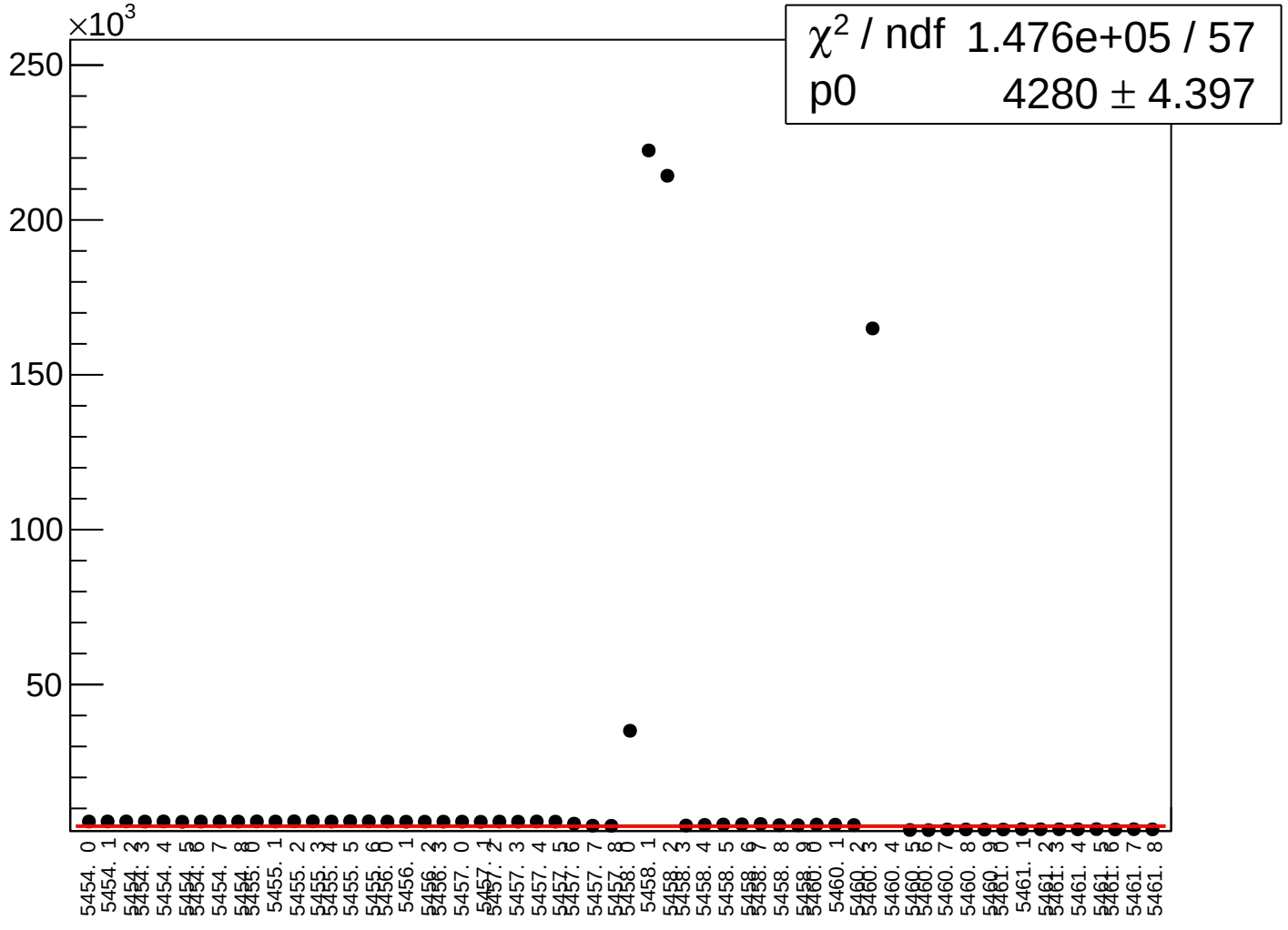

asym_at1_avg_correction_mean vs run
χ² / ndf 49.57 / 57
p0 515.3 ± 401
pull
Entries 58
Mean 121.4
Std Dev 93.93

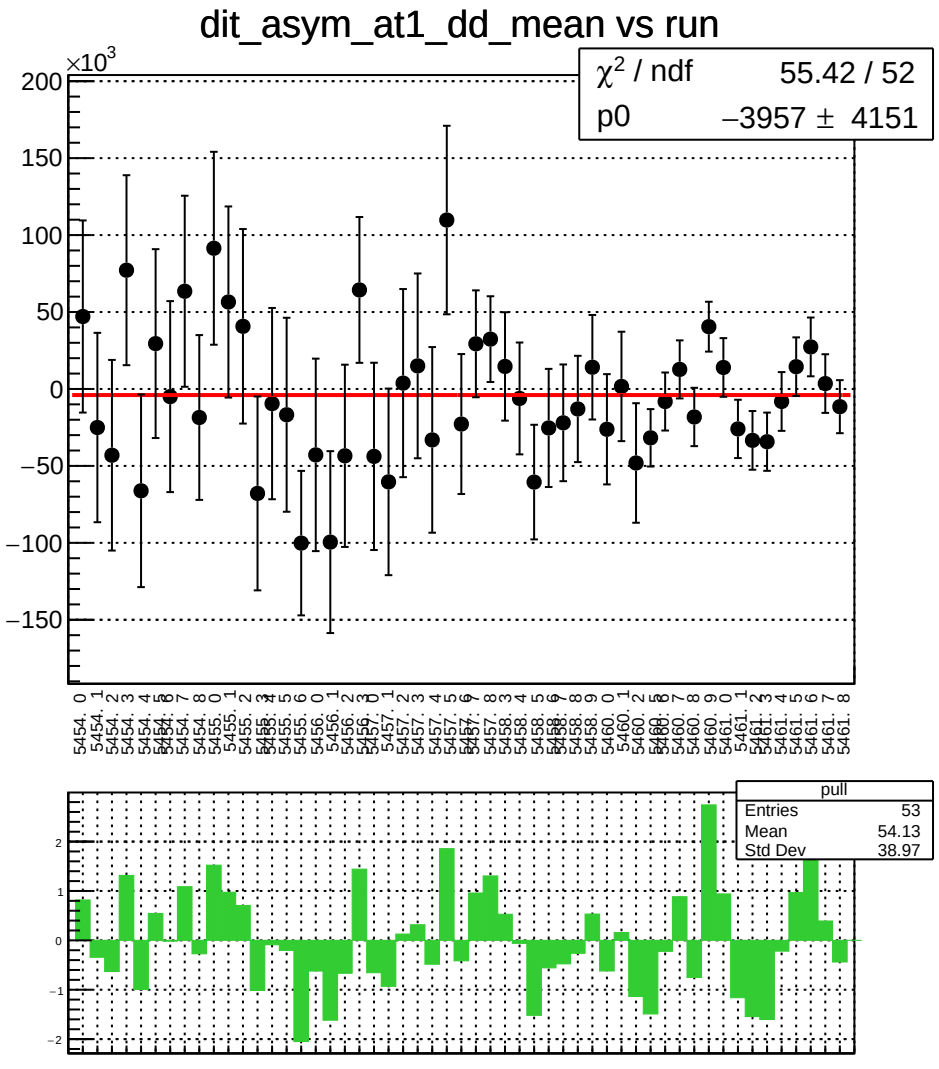

pull1D
Entries 58
Mean −0.01801
Std Dev 0.9243

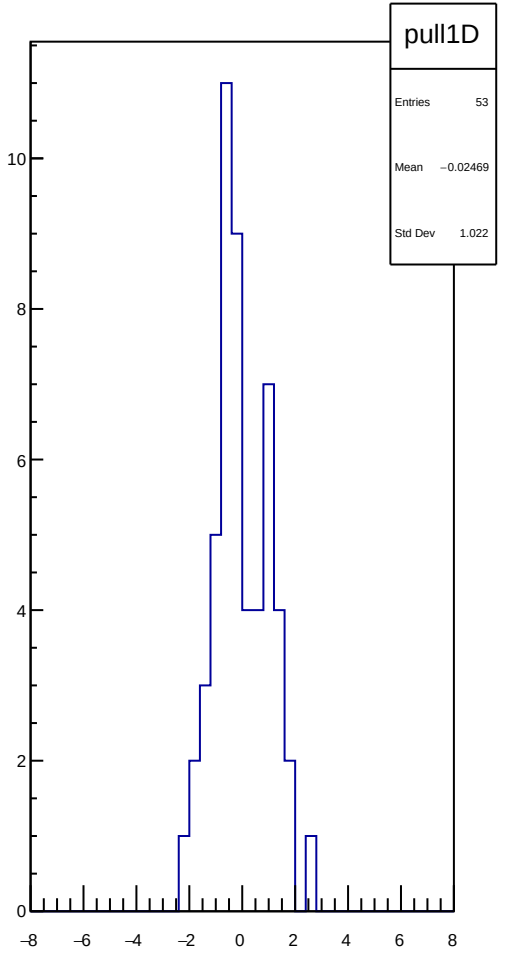

asym_at1_avg_correction_rms vs run
χ² / ndf 4517 / 57
p0 296.1 ± 0.2836
330
320
310
300
290
280
270
260
250
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

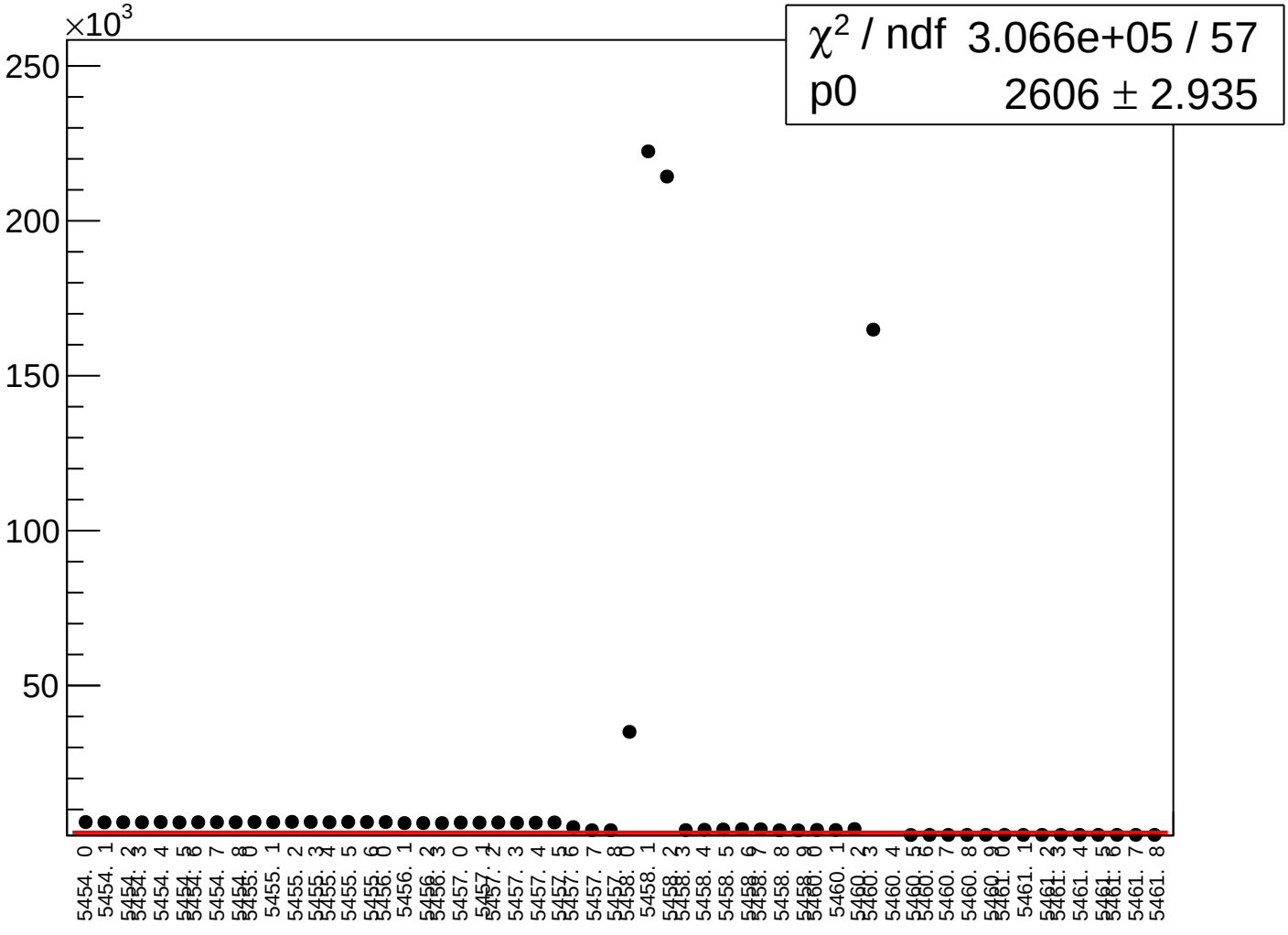

asym_at1_avg_mean vs run
×10^3
χ² / ndf 51.79 / 52
p0 −4064 ± 6220
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −19.23
Std Dev 50.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

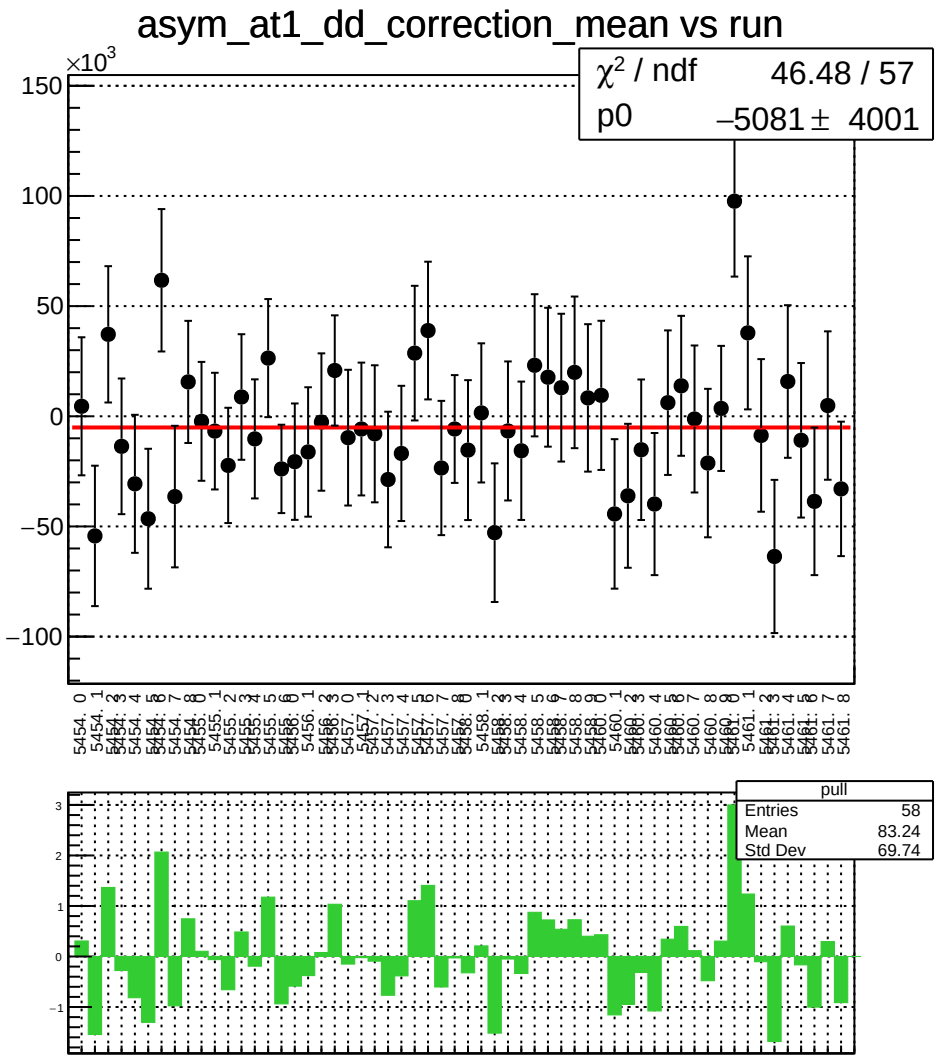

pull1D
Entries 53
Mean −0.03817
Std Dev 0.9878
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

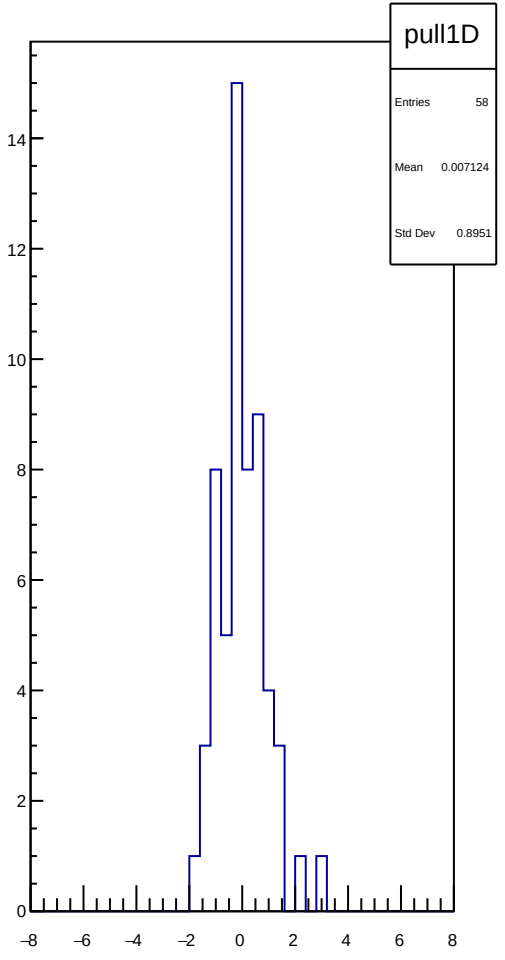

asym_at1_avg_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 1.476e+05 / 57
p0 4280 ± 4.397
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

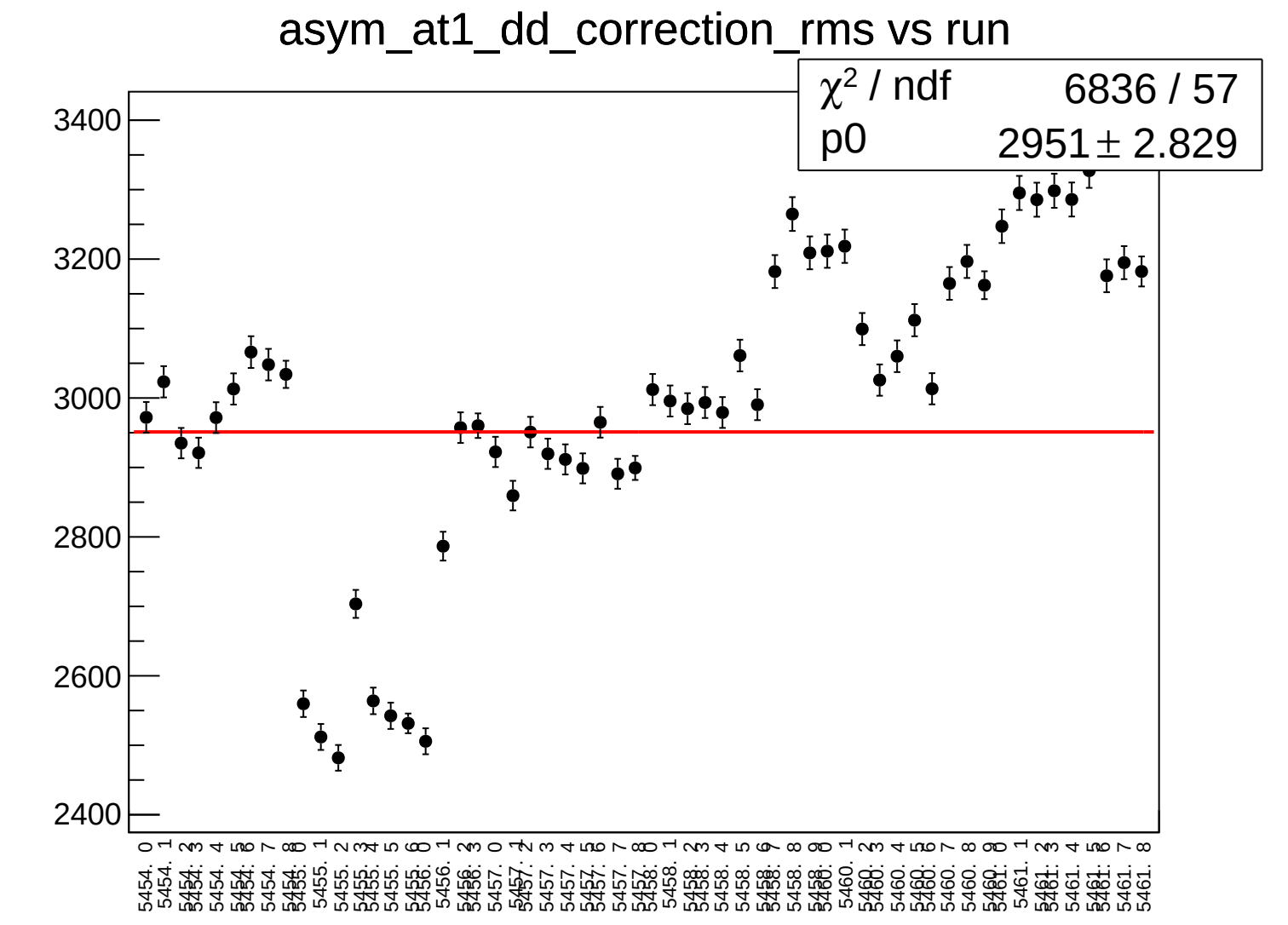

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 55.42 / 52
p0 −3957 ± 4151
pull
Entries 53
Mean 54.13
Std Dev 38.97

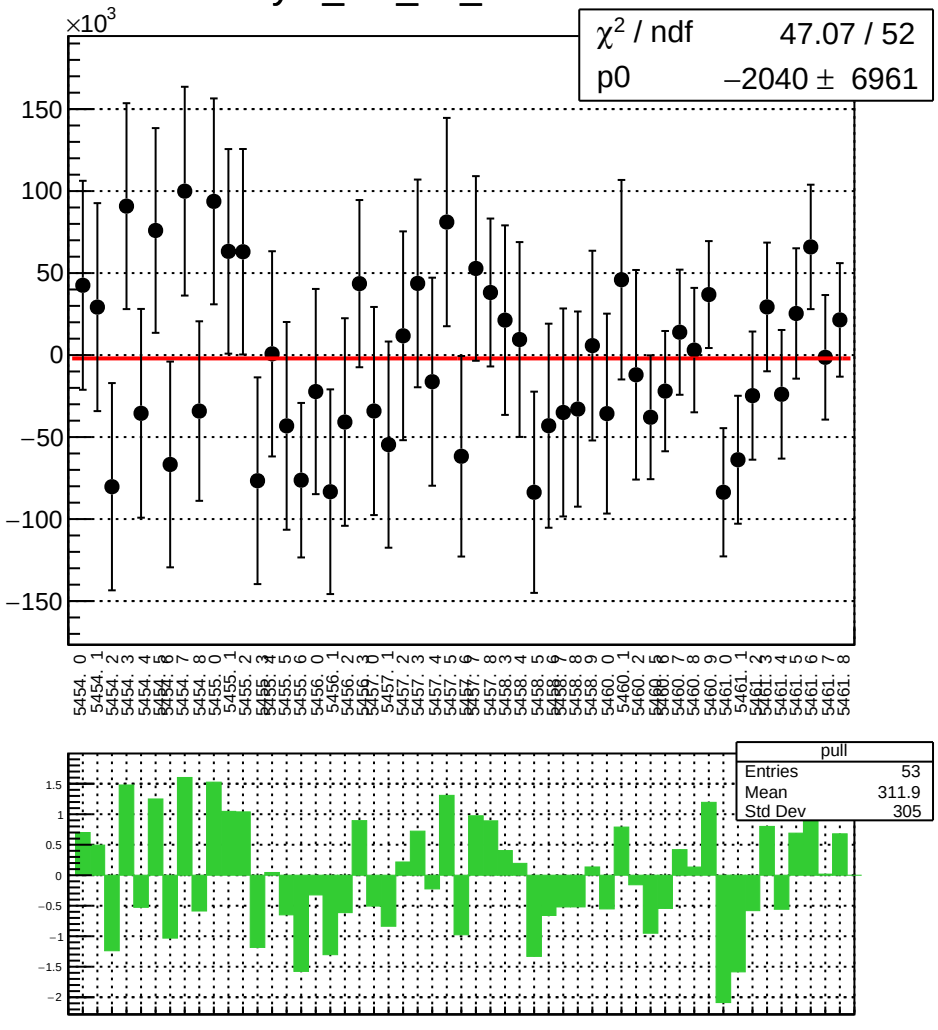

pull1D
Entries 53
Mean −0.02469
Std Dev 1.022

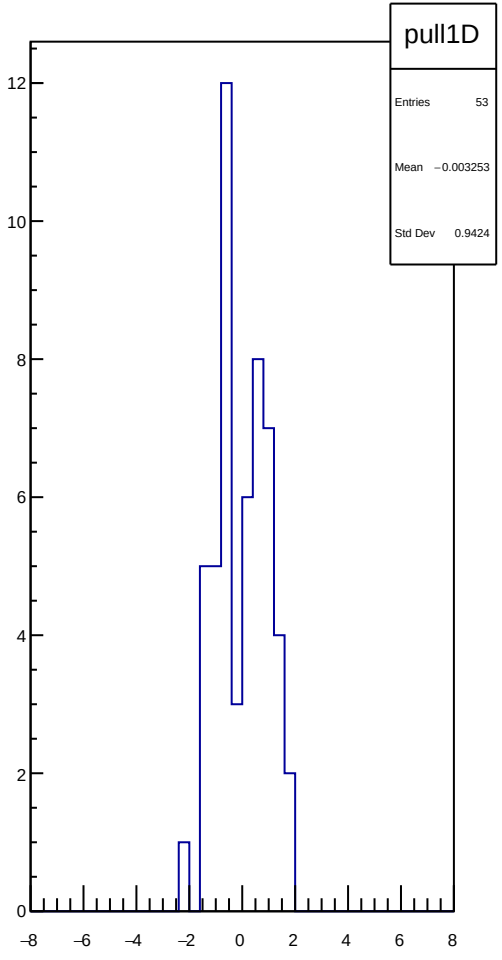

dit_asym_at1_dd_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 3.066e+05 / 57
p0 2606 ± 2.935
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

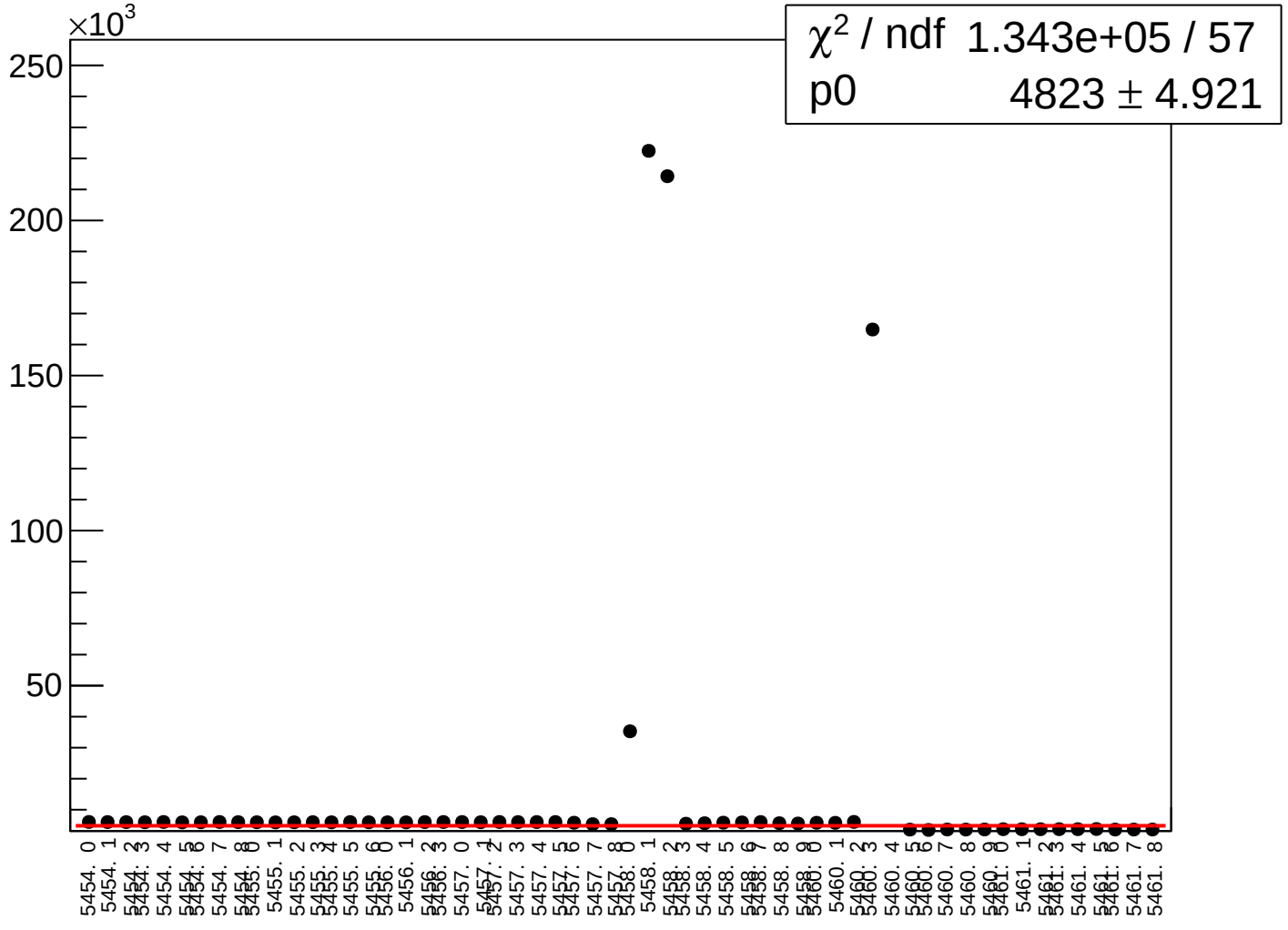

asym_at1_dd_correction_mean vs run
×10^3
χ² / ndf 46.48 / 57
p0 −5081 ± 4001
150
100
50
0
−50
−100
pull
Entries 58
Mean 83.24
Std Dev 69.74
3
2
1
0
−1

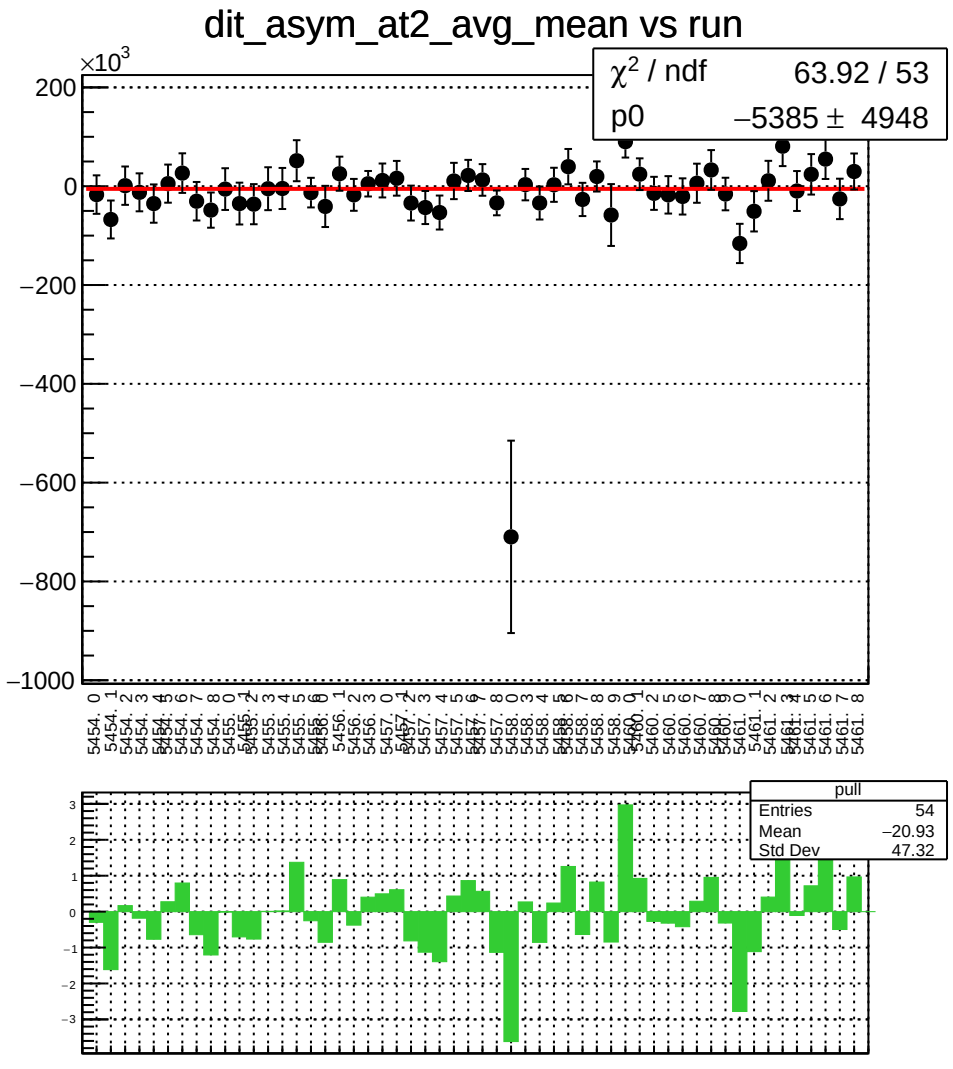

pull1D
Entries 58
Mean 0.007124
Std Dev 0.8951
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

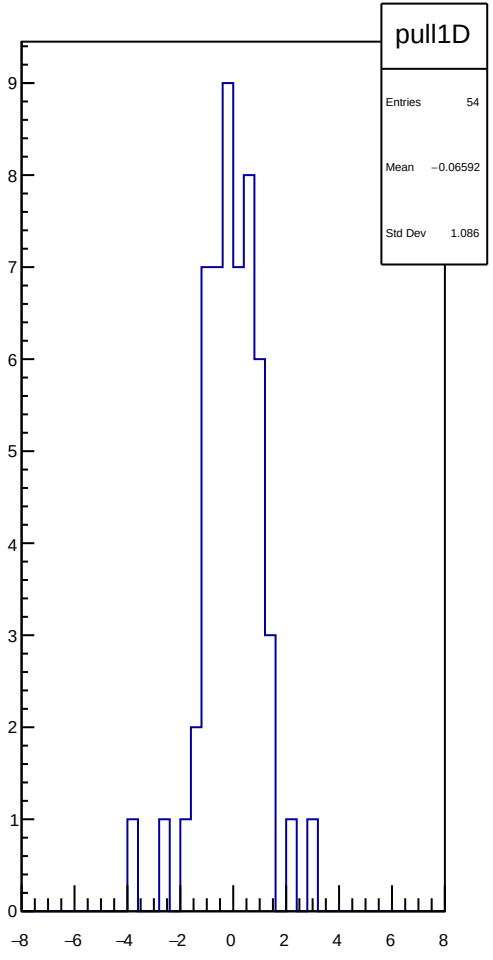

asym_at1_dd_correction_rms vs run
χ² / ndf 6836 / 57
p0 2951 ± 2.829
3400
3200
3000
2800
2600
2400

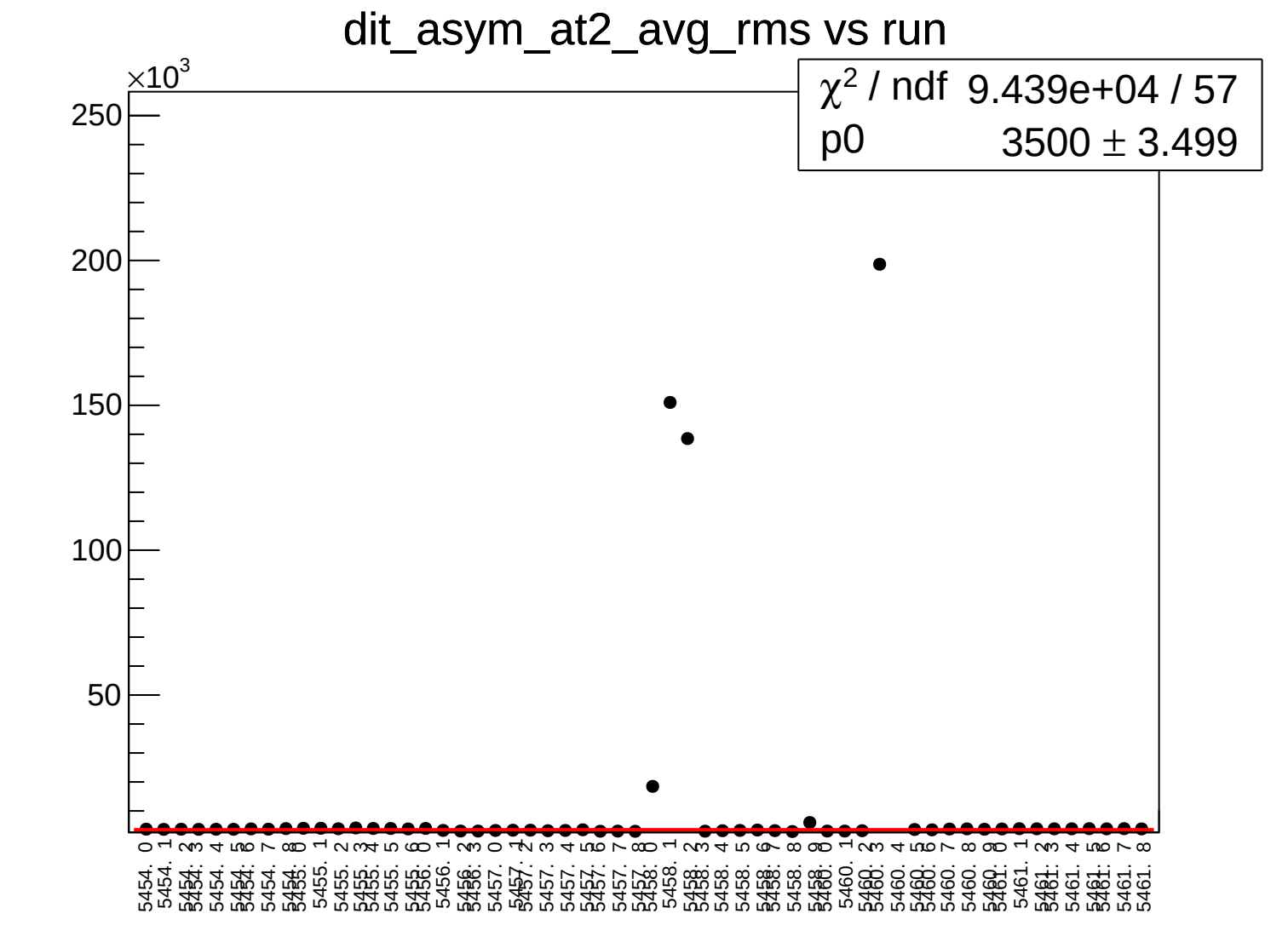

asym_at1_dd_mean vs run
×10^3
χ² / ndf 47.07 / 52
p0 −2040 ± 6961
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 311.9
Std Dev 305
1.5
1
0.5
0
−0.5
−1
−1.5
−2

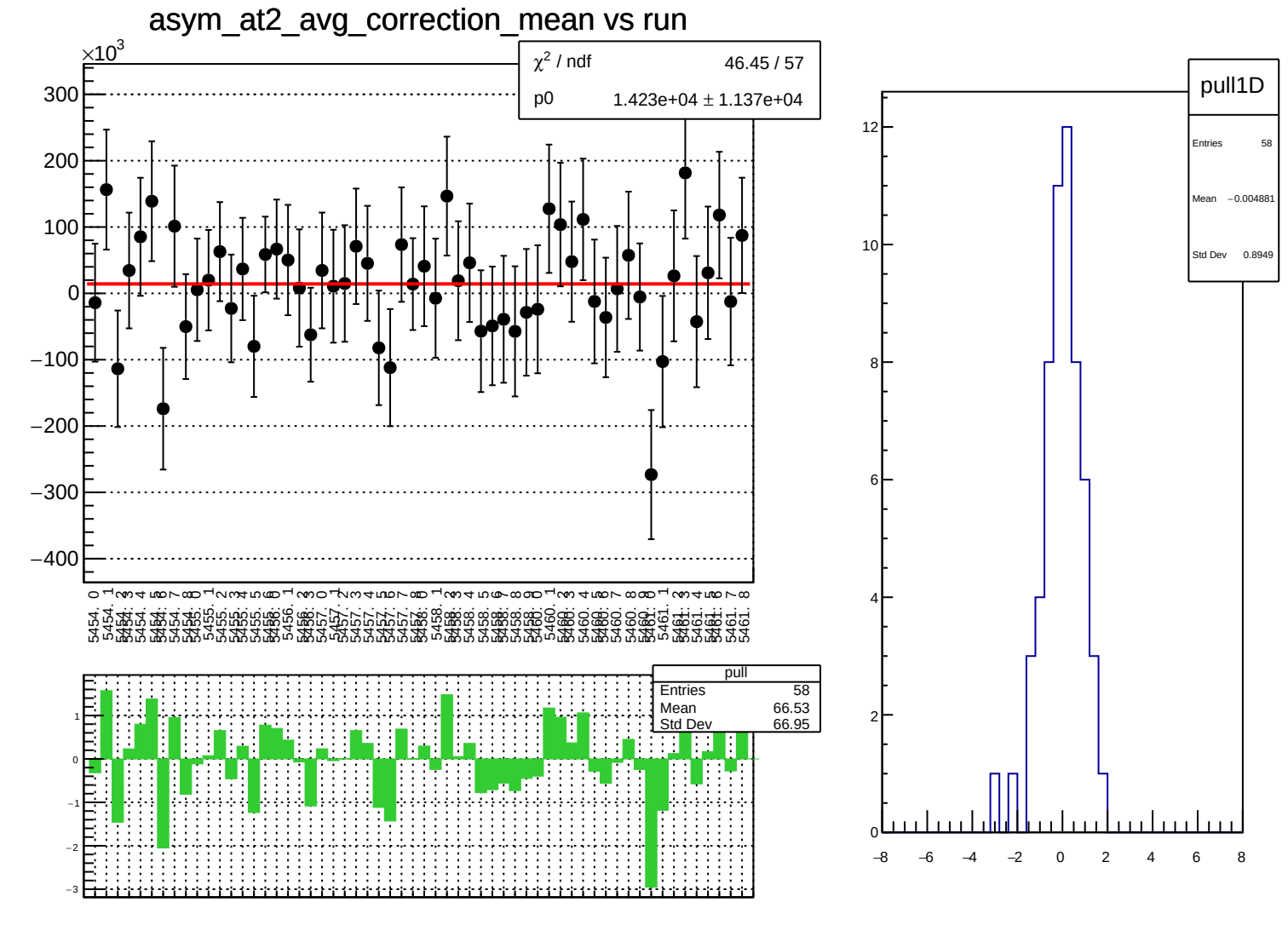

pull1D
Entries 53
Mean −0.003253
Std Dev 0.9424
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

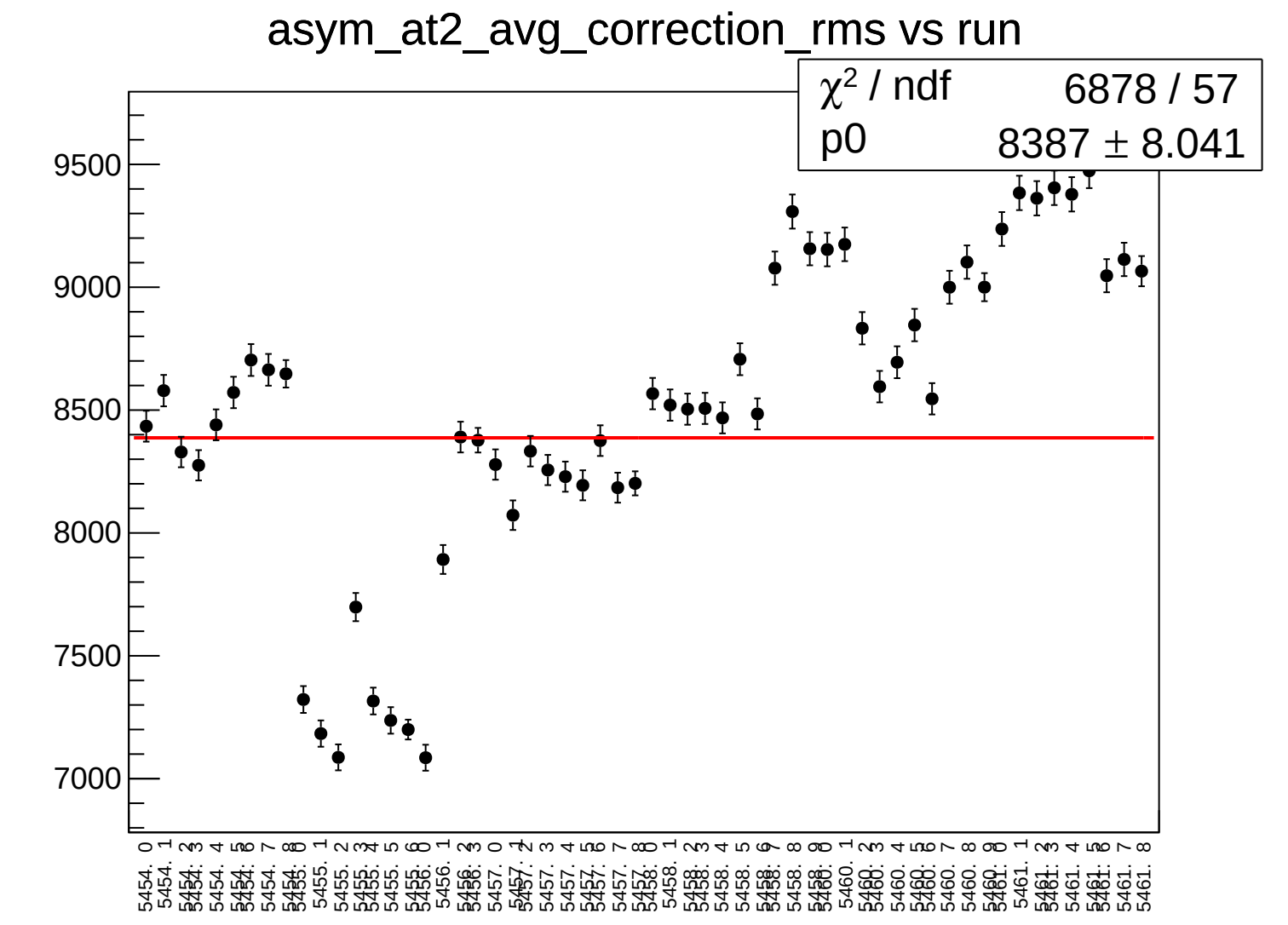

asym_at1_dd_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 1.343e+05 / 57
p0 4823 ± 4.921

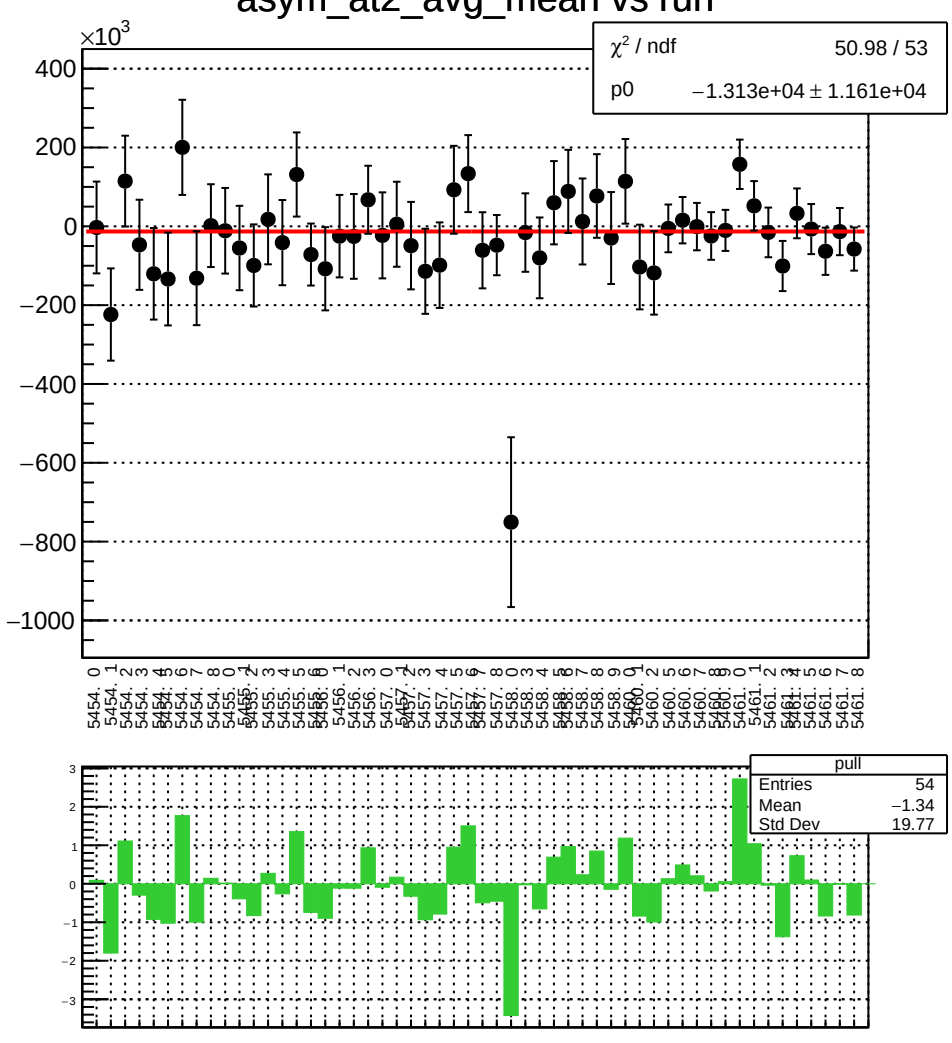

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 63.92 / 53
p0 −5385 ± 4948
pull
Entries 54
Mean −20.93
Std Dev 47.32

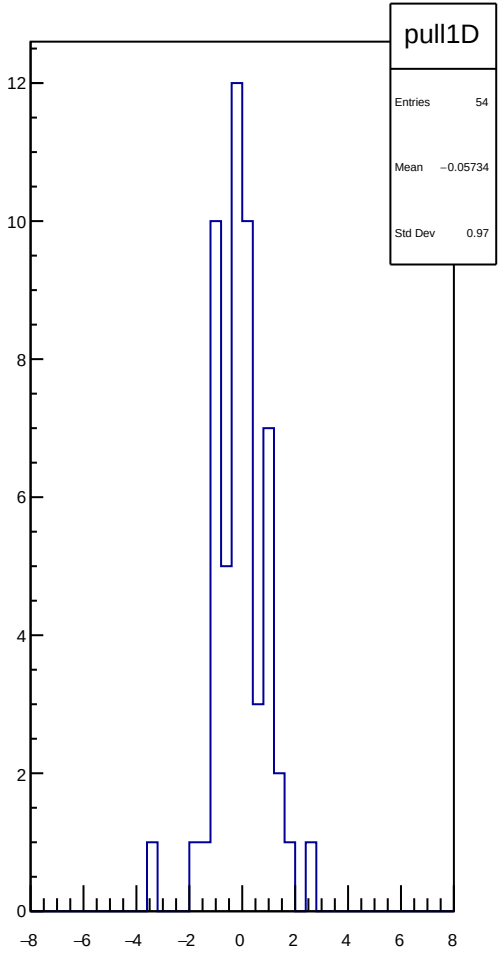

pull1D
Entries 54
Mean −0.06592
Std Dev 1.086

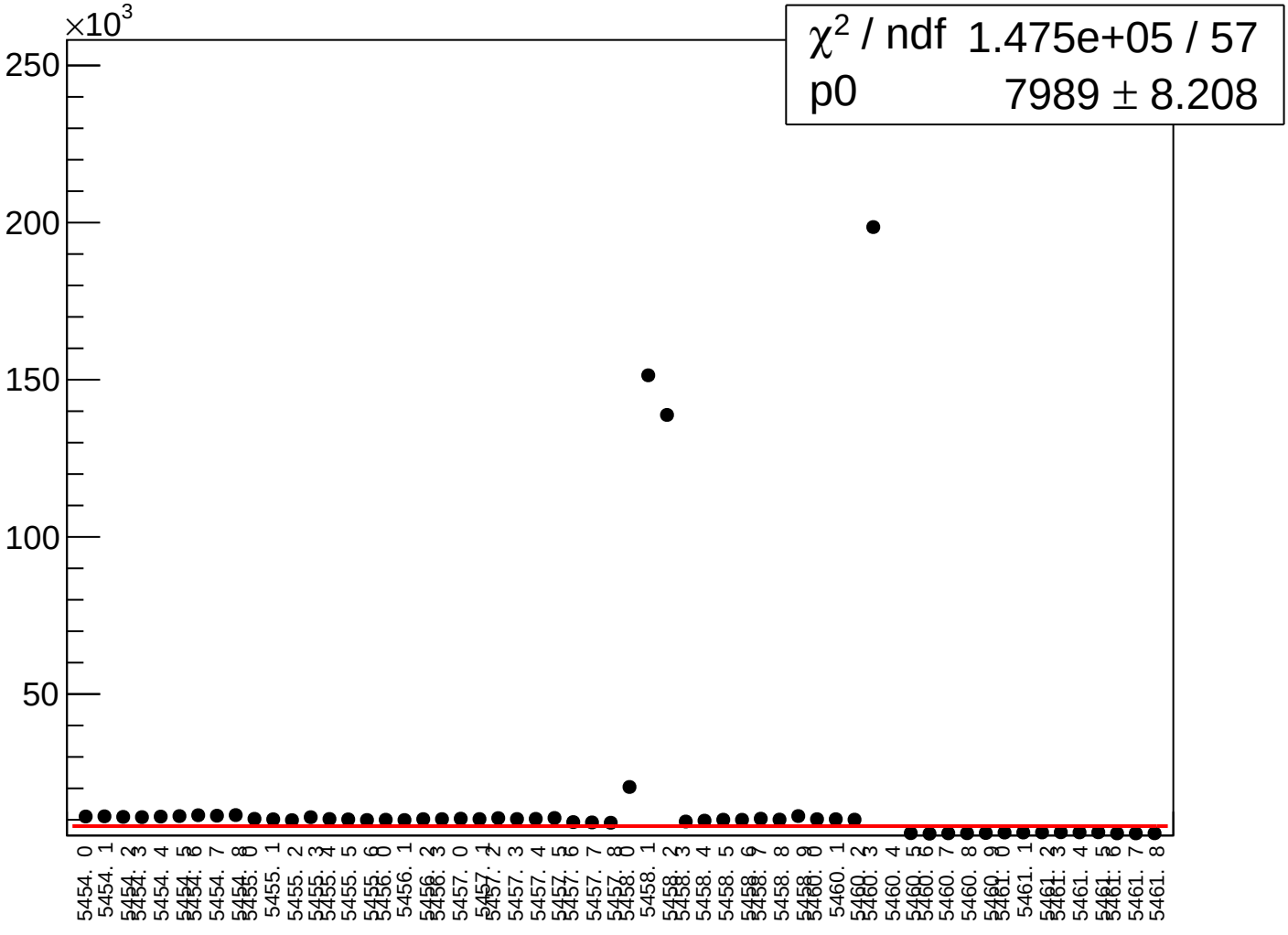

dit_asym_at2_avg_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 9.439e+04 / 57
p0 3500 ± 3.499
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

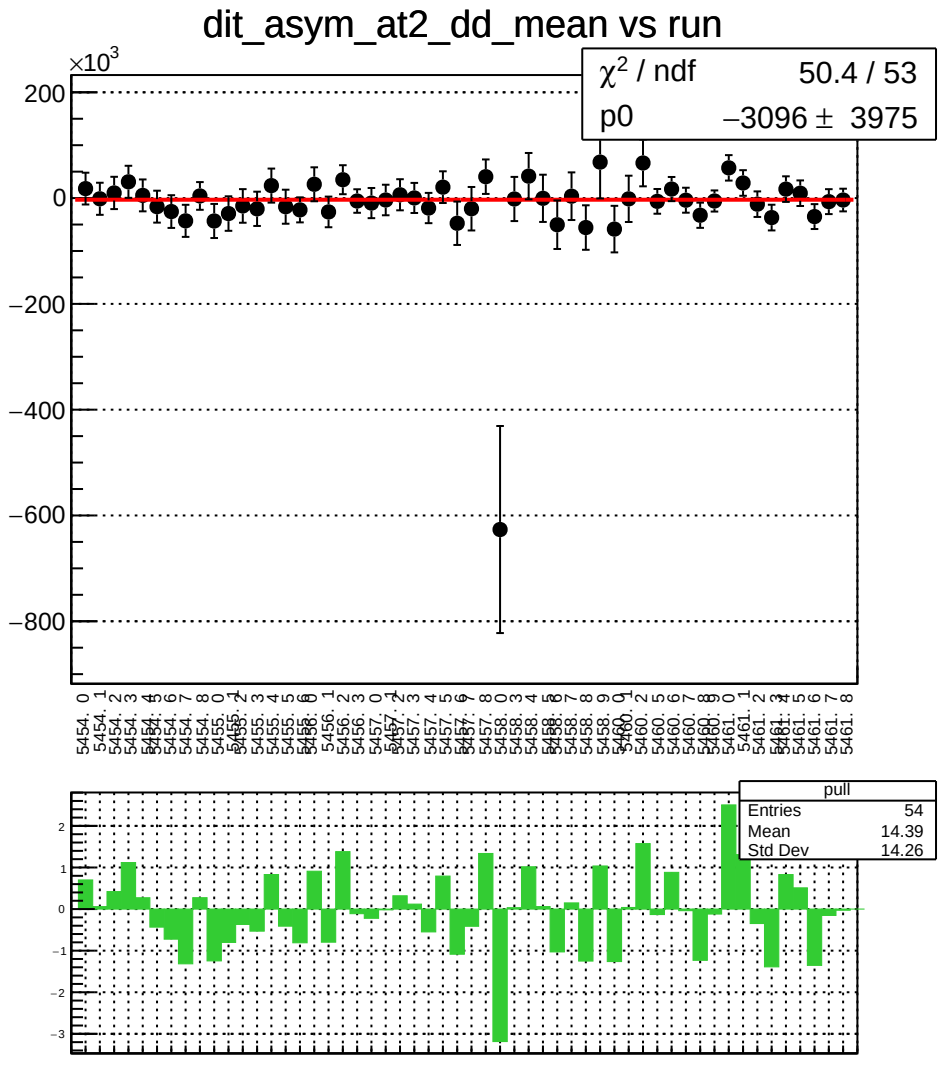

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 46.45 / 57
p0 1.423e+04 ± 1.137e+04
pull
Entries 58
Mean 66.53
Std Dev 66.95
pull1D
Entries 58
Mean −0.004881
Std Dev 0.8949

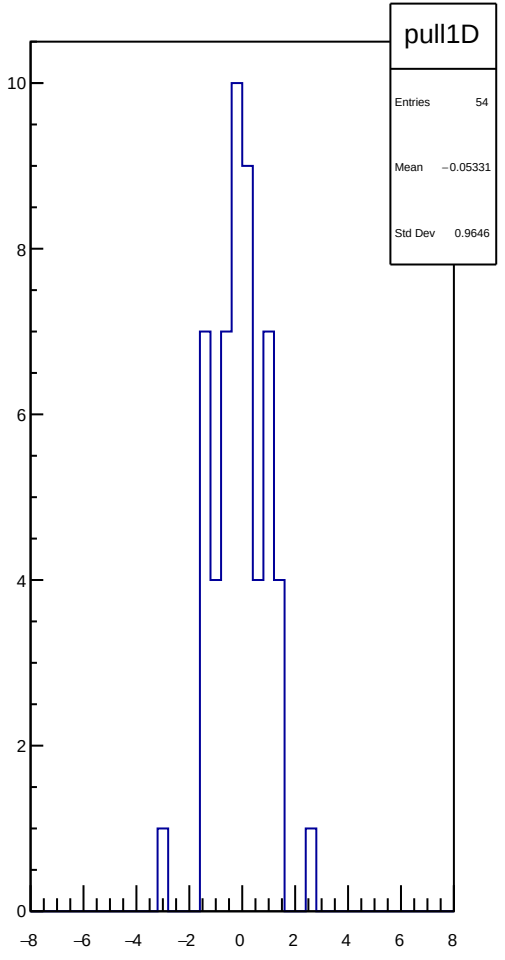

asym_at2_avg_correction_rms vs run
χ² / ndf 6878 / 57
p0 8387 ± 8.041
9500
9000
8500
8000
7500
7000
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

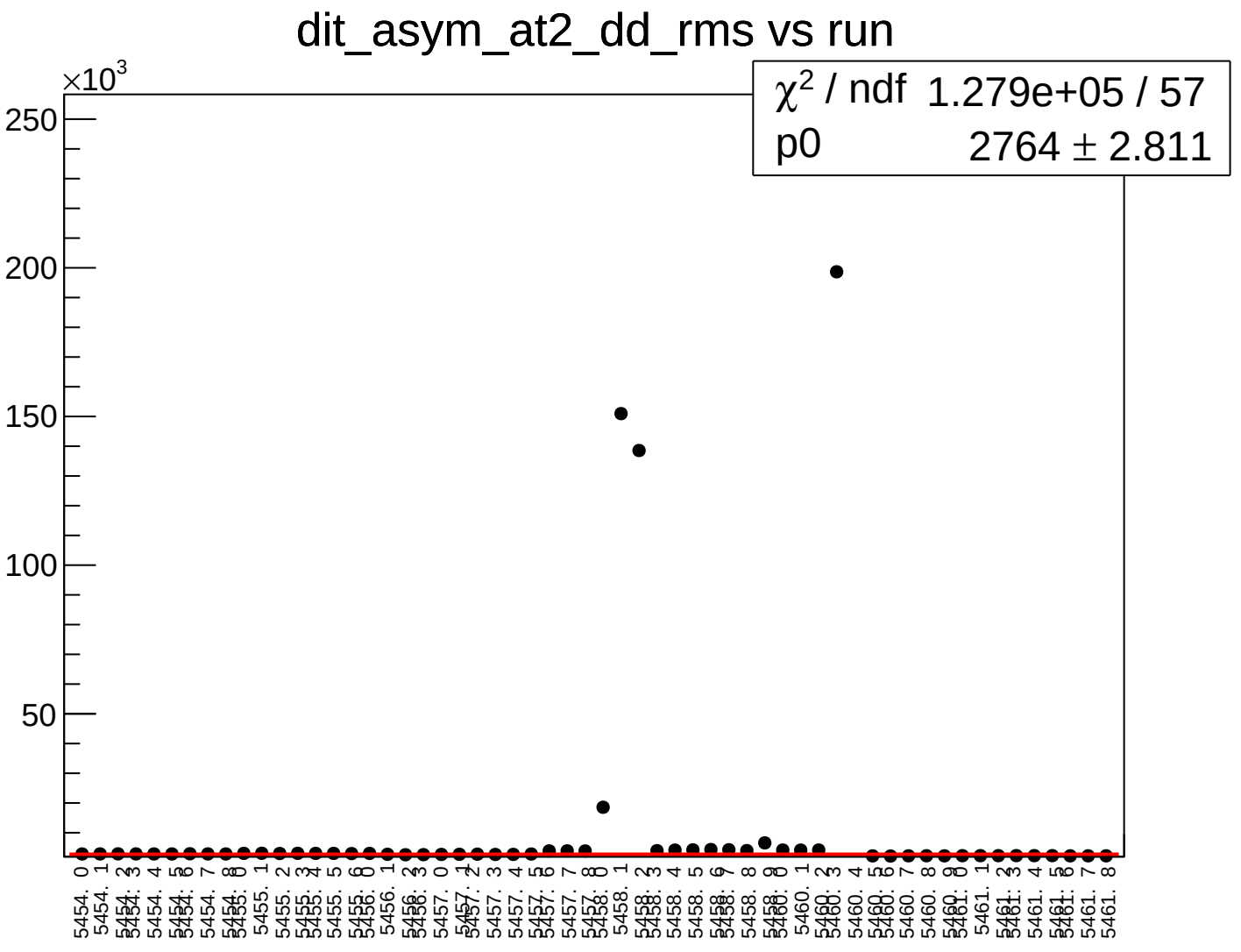

asym_at2_avg_mean vs run
×10^3
χ² / ndf 50.98 / 53
p0 −1.313e+04 ± 1.161e+04
pull
Entries 54
Mean −1.34
Std Dev 19.77

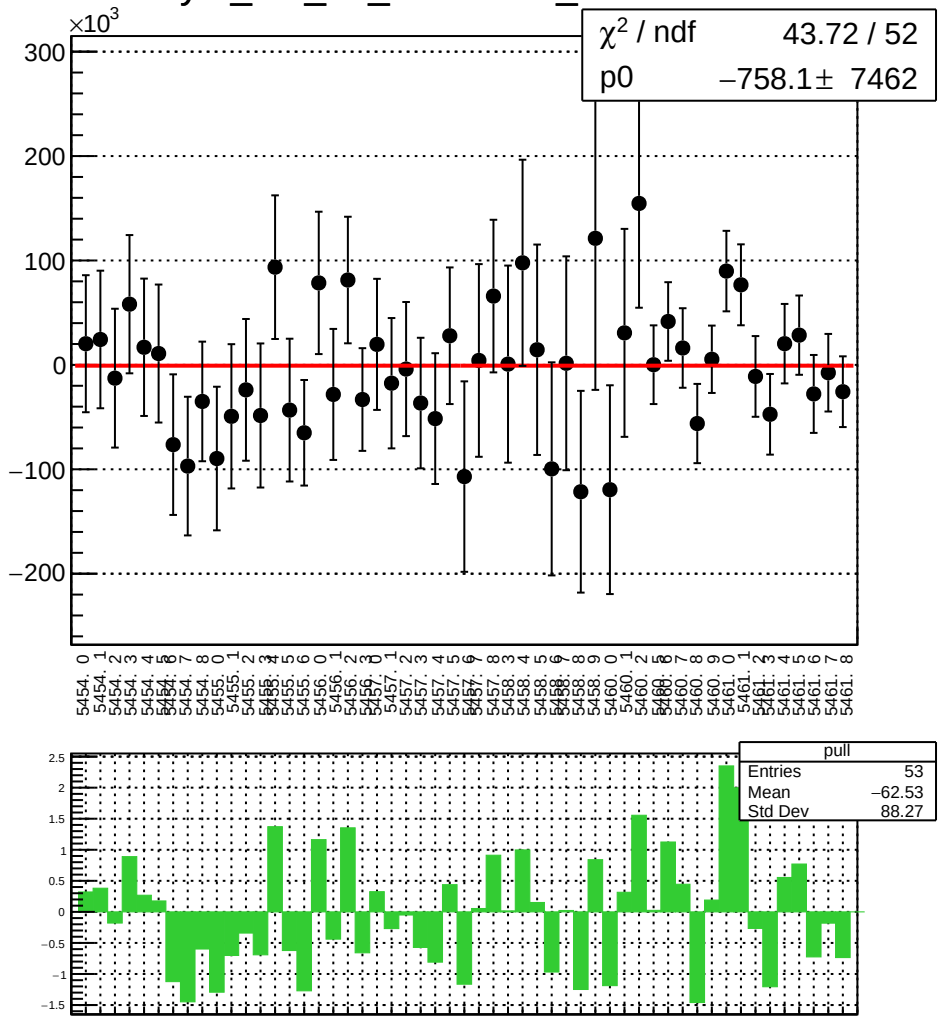

pull1D
Entries 54
Mean −0.05734
Std Dev 0.97

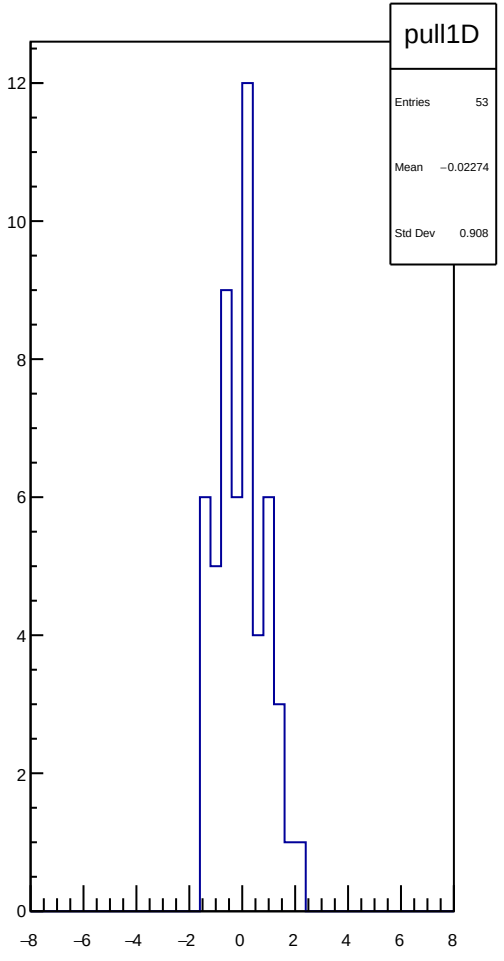

asym_at2_avg_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 1.475e+05 / 57
p0 7989 ± 8.208

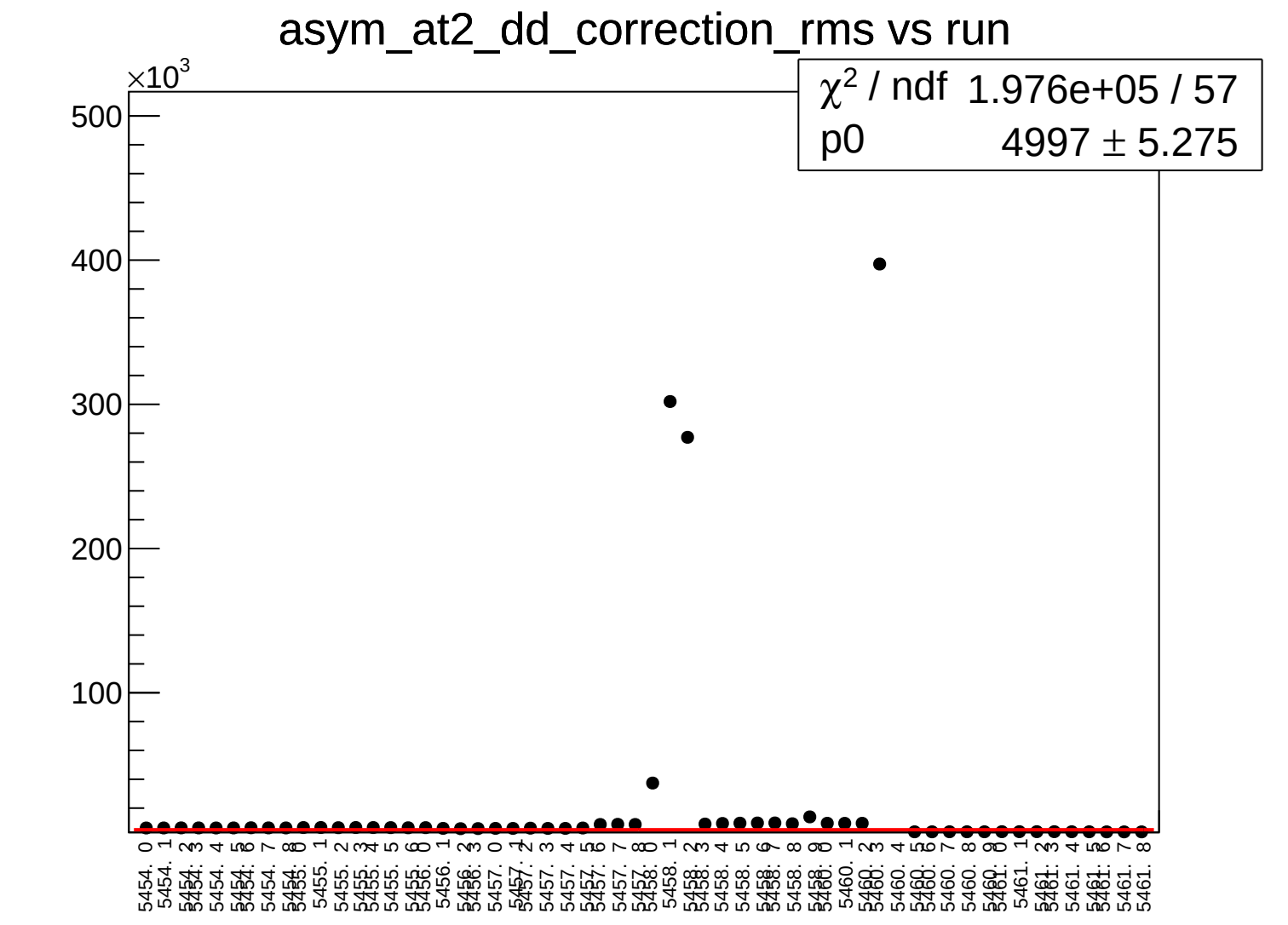

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 50.4 / 53
p0 −3096 ± 3975
pull
Entries 54
Mean 14.39
Std Dev 14.26

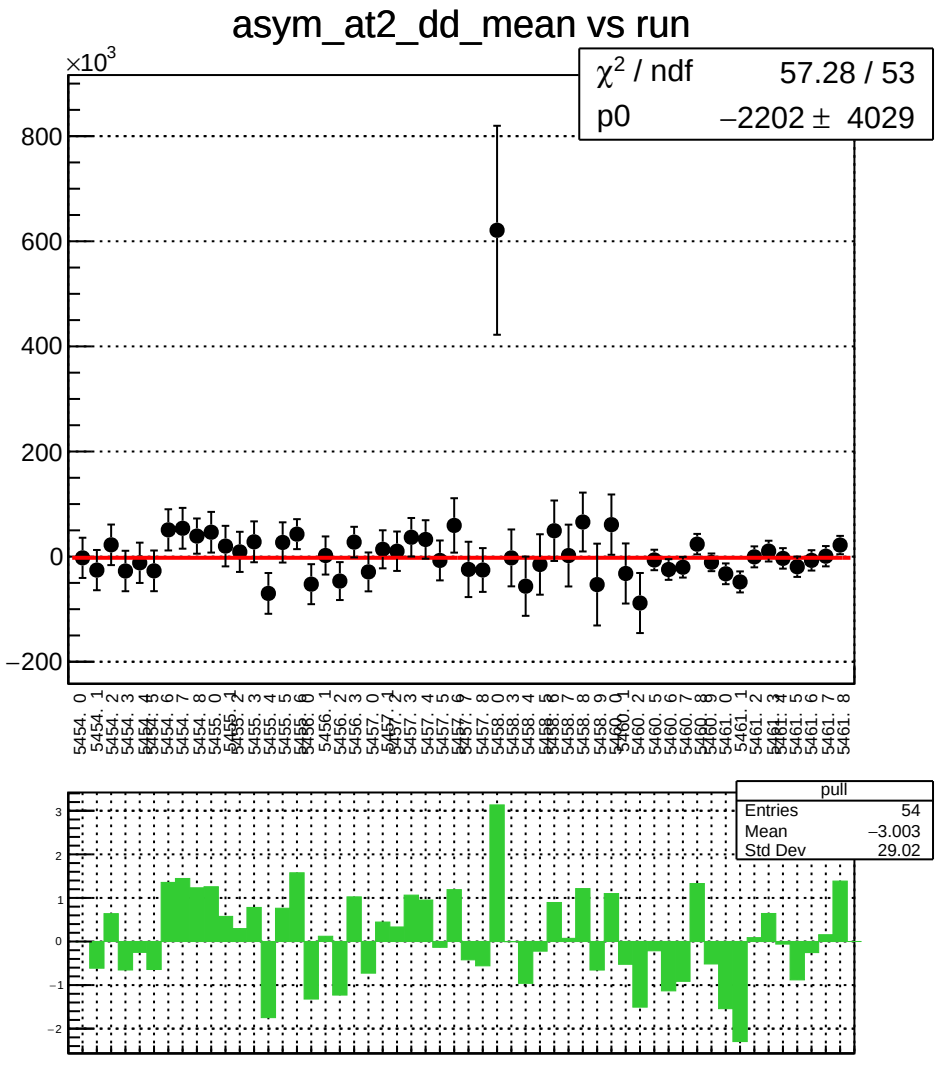

pull1D
Entries 54
Mean −0.05331
Std Dev 0.9646

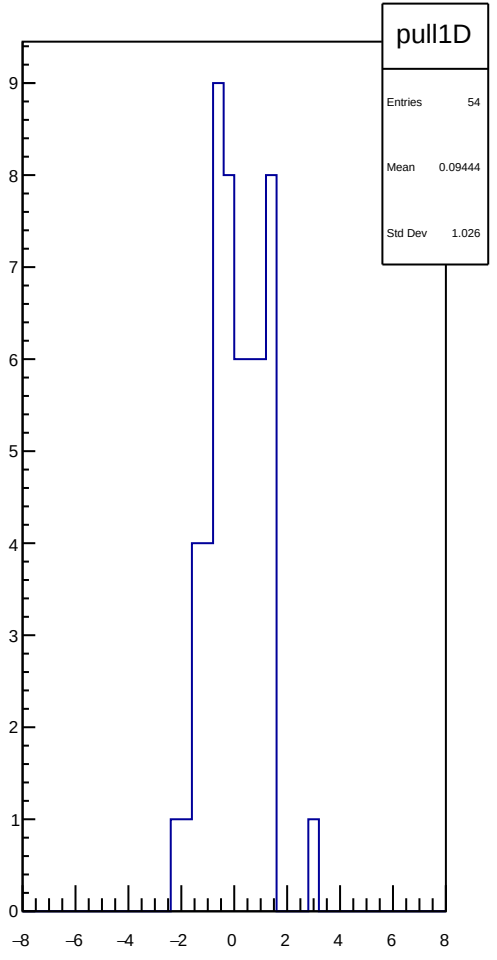

dit_asym_at2_dd_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 1.279e+05 / 57
p0 2764 ± 2.811
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

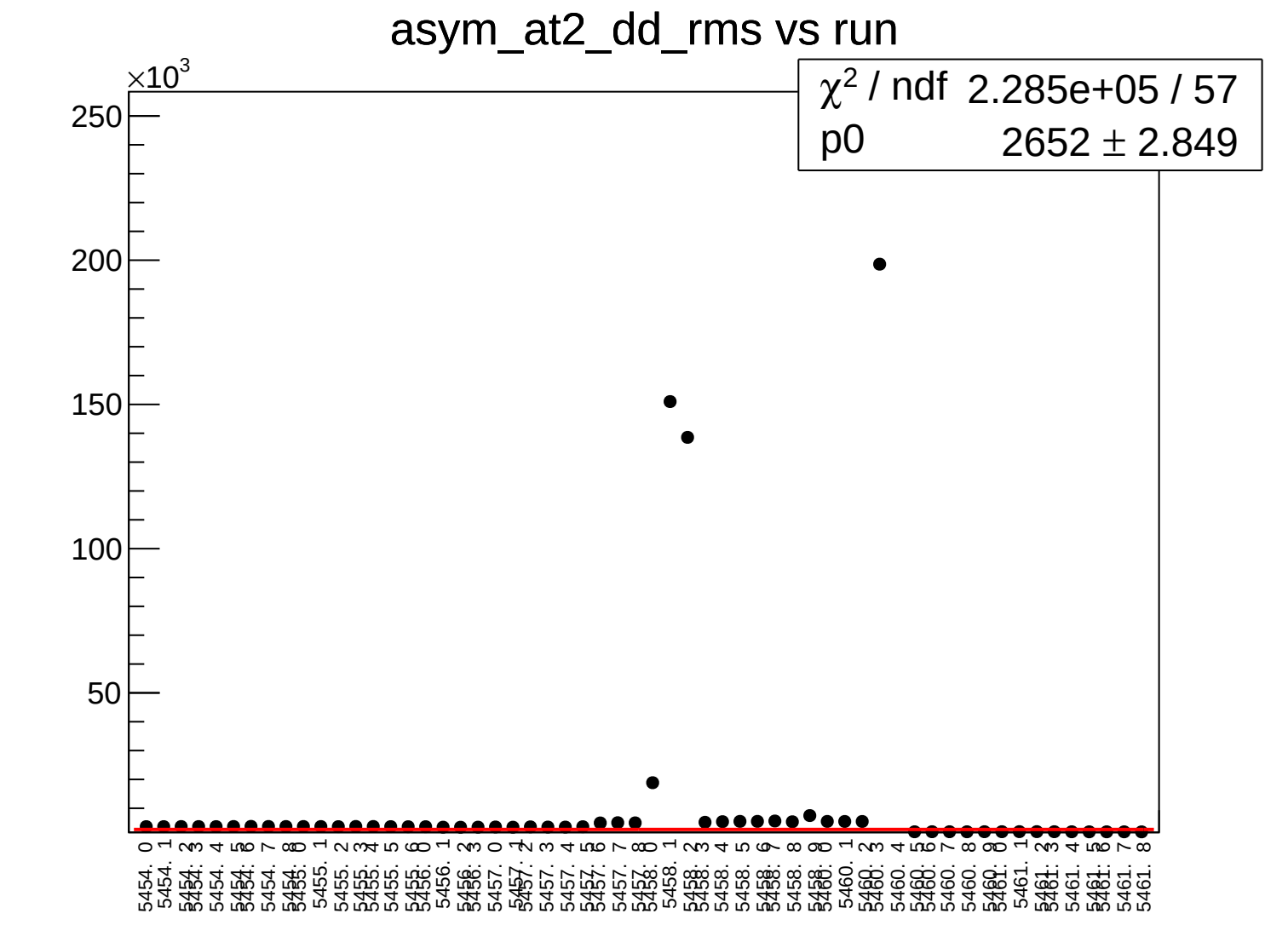

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 43.72 / 52
p0 −758.1± 7462
pull
Entries 53
Mean −62.53
Std Dev 88.27

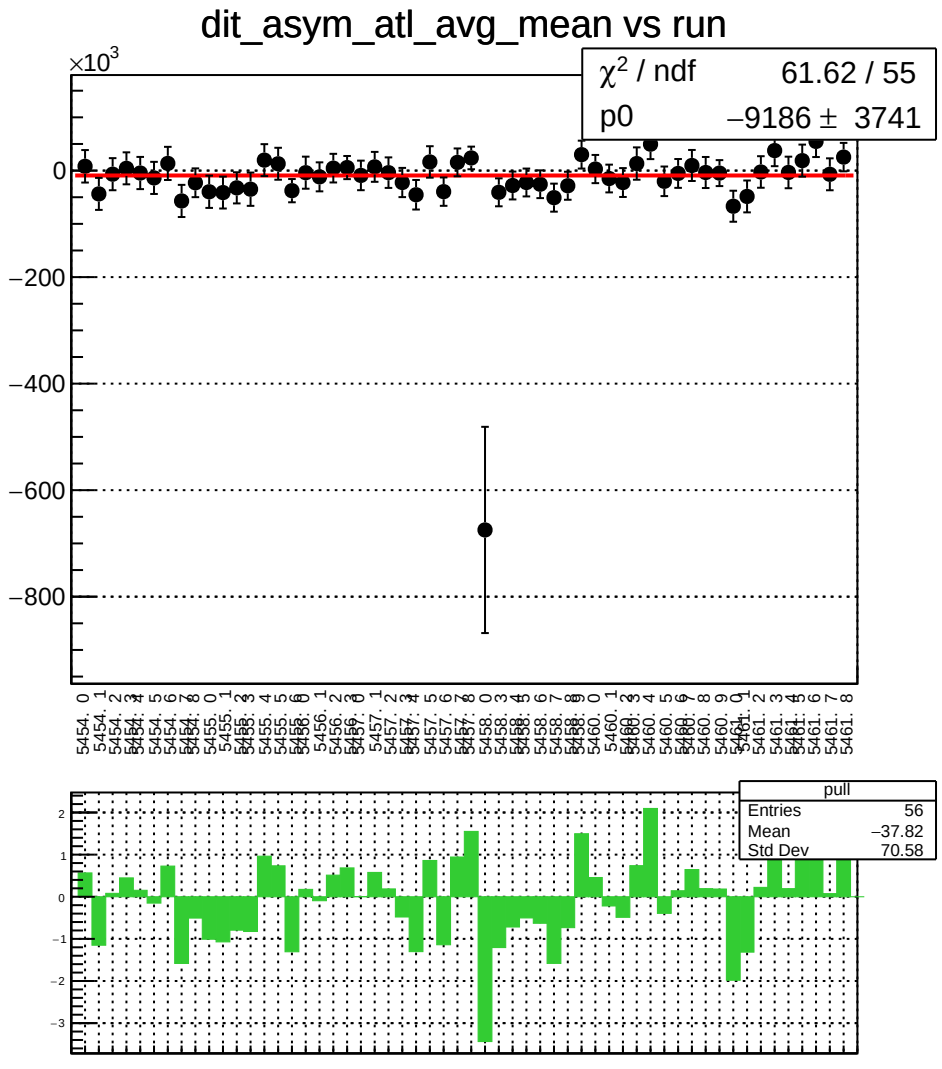

pull1D
Entries 53
Mean −0.02274
Std Dev 0.908

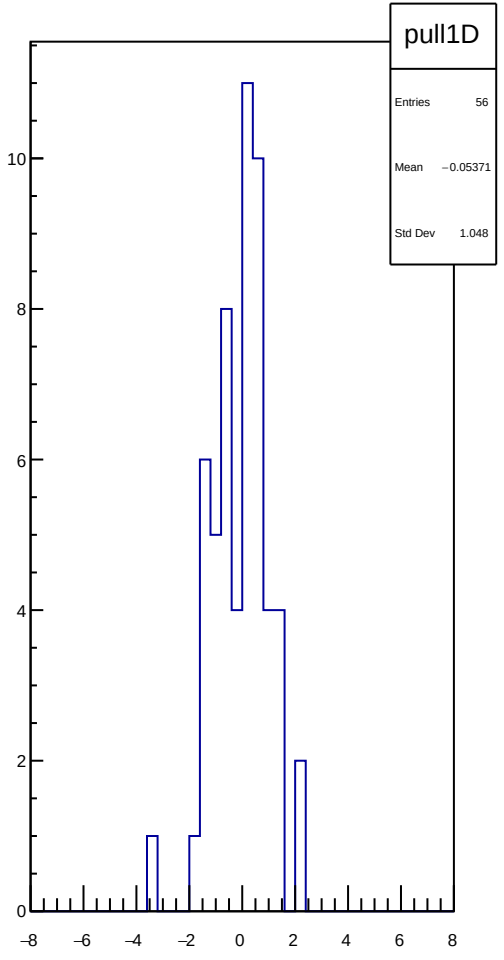

asym_at2_dd_correction_rms vs run
×10^3
500
400
300
200
100
χ² / ndf 1.976e+05 / 57
p0 4997 ± 5.275

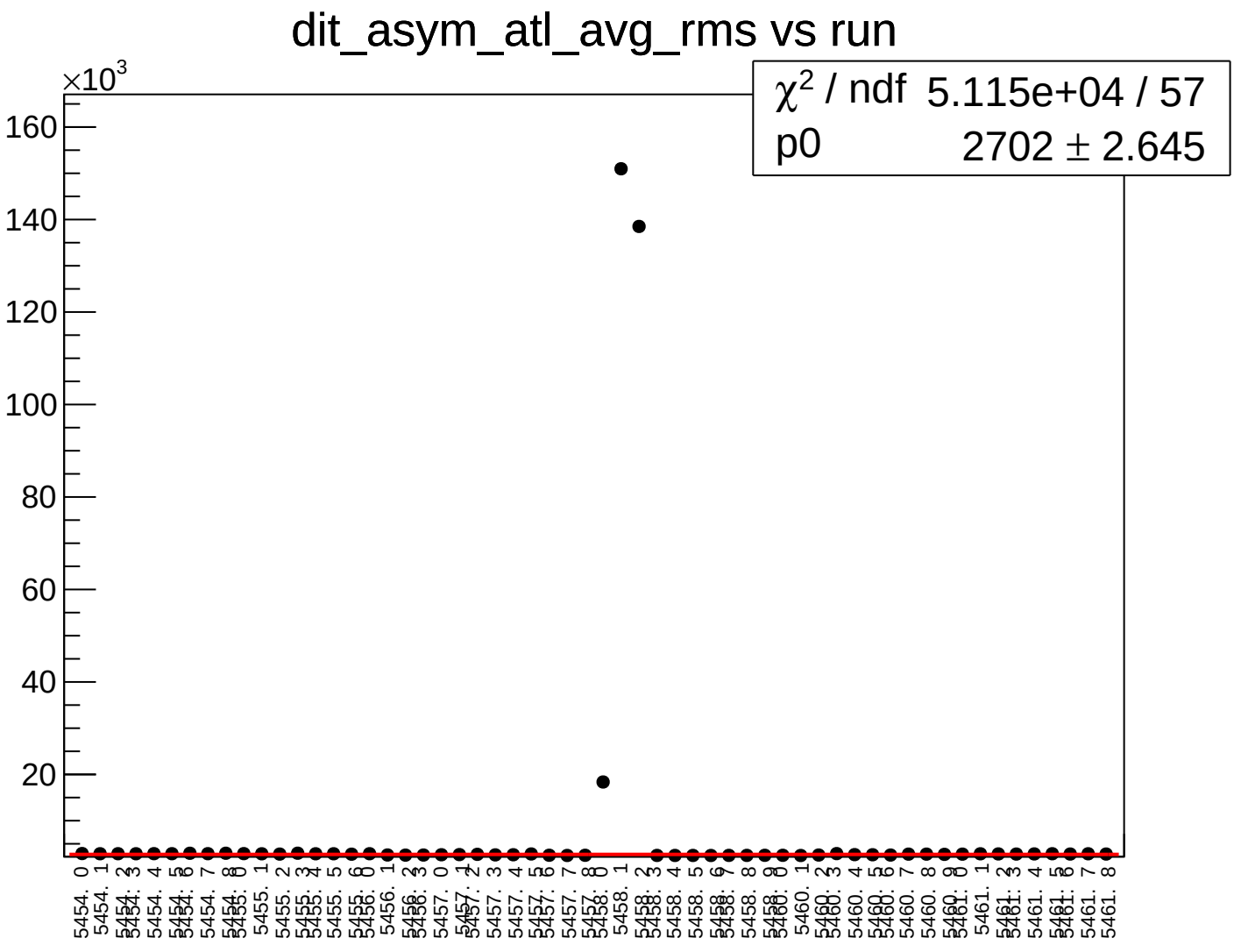

asym_at2_dd_mean vs run
×10^3
χ² / ndf 57.28 / 53
p0 −2202 ± 4029
800
600
400
200
0
−200
pull
Entries 54
Mean −3.003
Std Dev 29.02
3
2
1
0
−1
−2

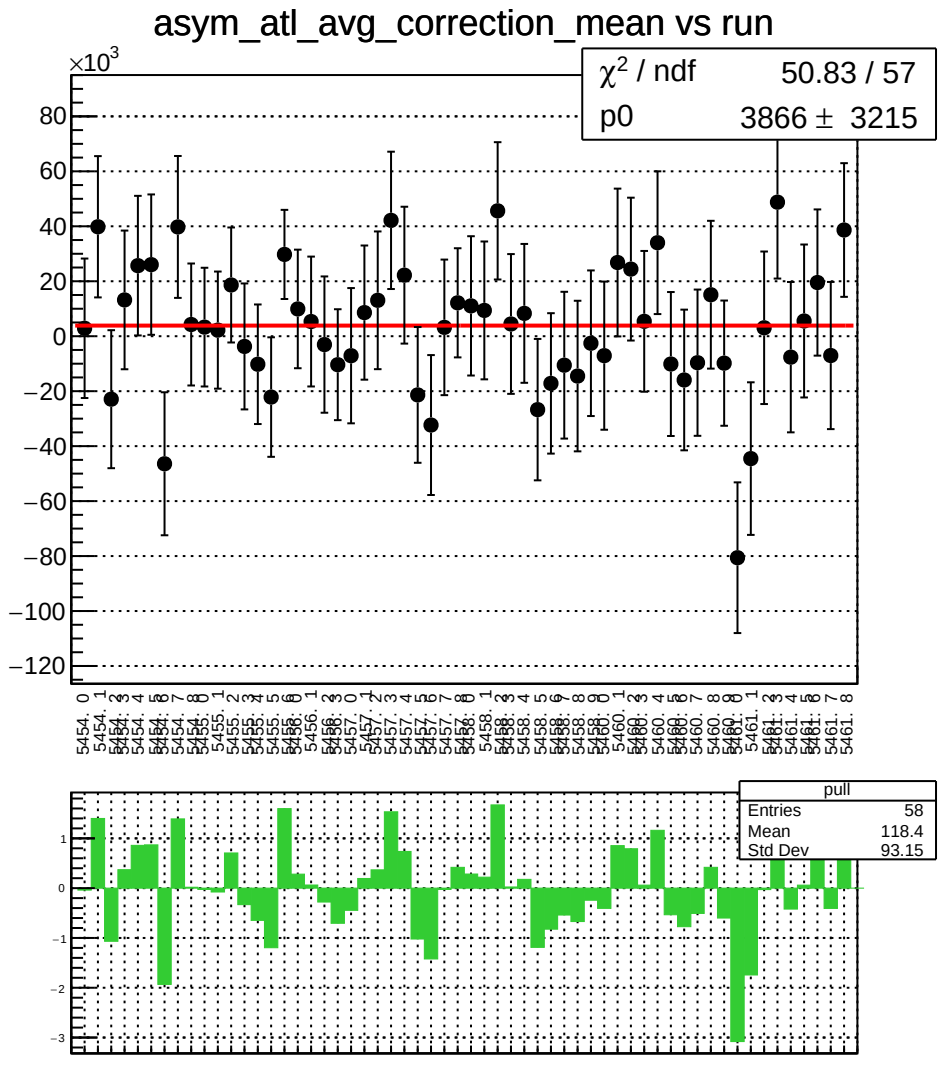

pull1D
Entries 54
Mean 0.09444
Std Dev 1.026
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

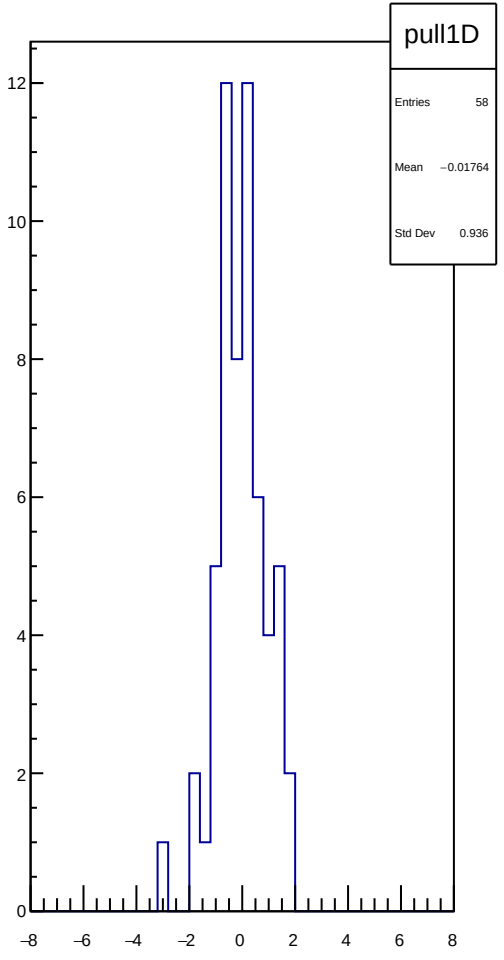

asym_at2_dd_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 2.285e+05 / 57
p0 2652 ± 2.849
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

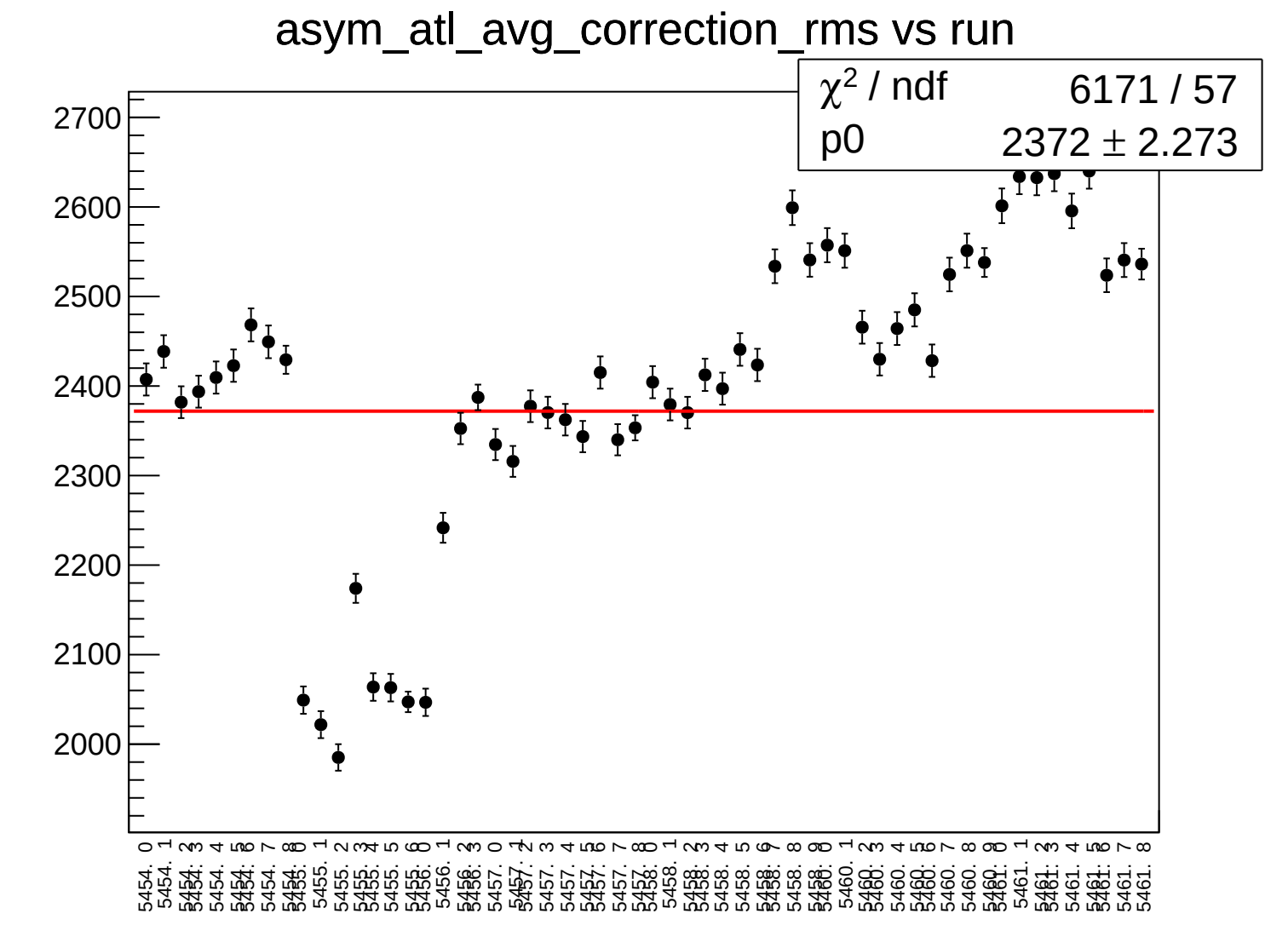

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 61.62 / 55
p0 −9186 ± 3741
0
−200
−400
−600
−800
pull
Entries 56
Mean −37.82
Std Dev 70.58
2
1
0
−1
−2
−3

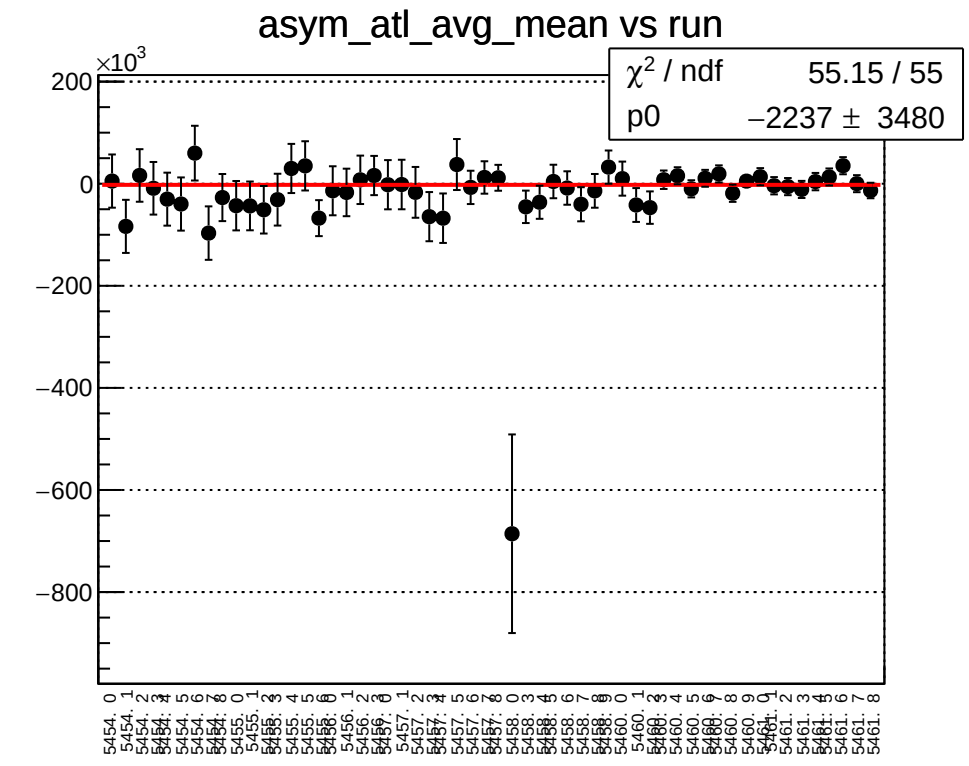

pull1D
Entries 56
Mean −0.05371
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

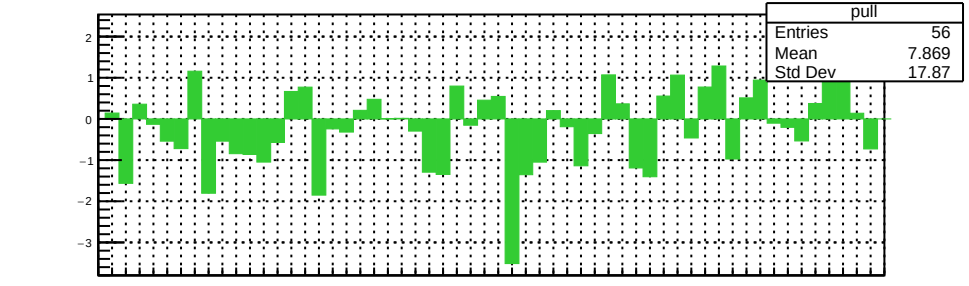

dit_asym_atl_avg_rms vs run
×10^3
χ^2 / ndf 5.115e+04 / 57
p0 2702 ± 2.645
160
140
120
100
80
60
40
20

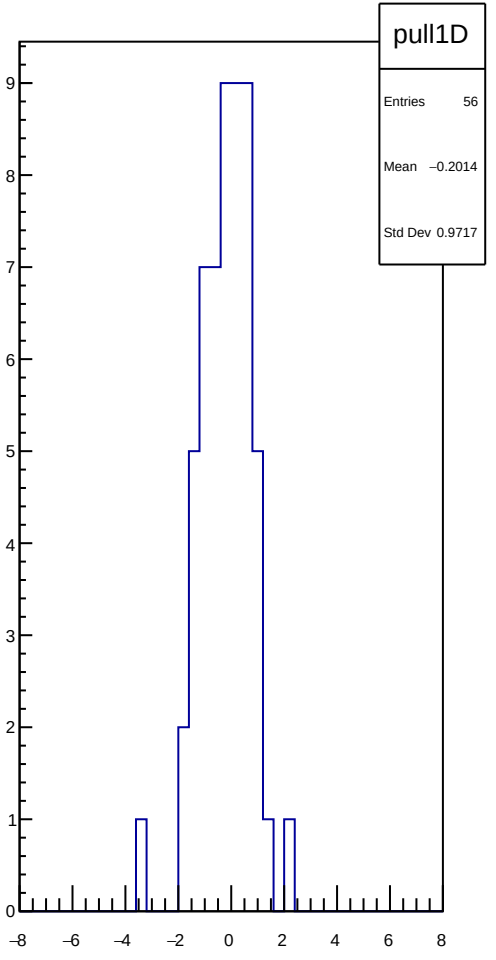

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 50.83 / 57
p0 3866 ± 3215
pull
Entries 58
Mean 118.4
Std Dev 93.15

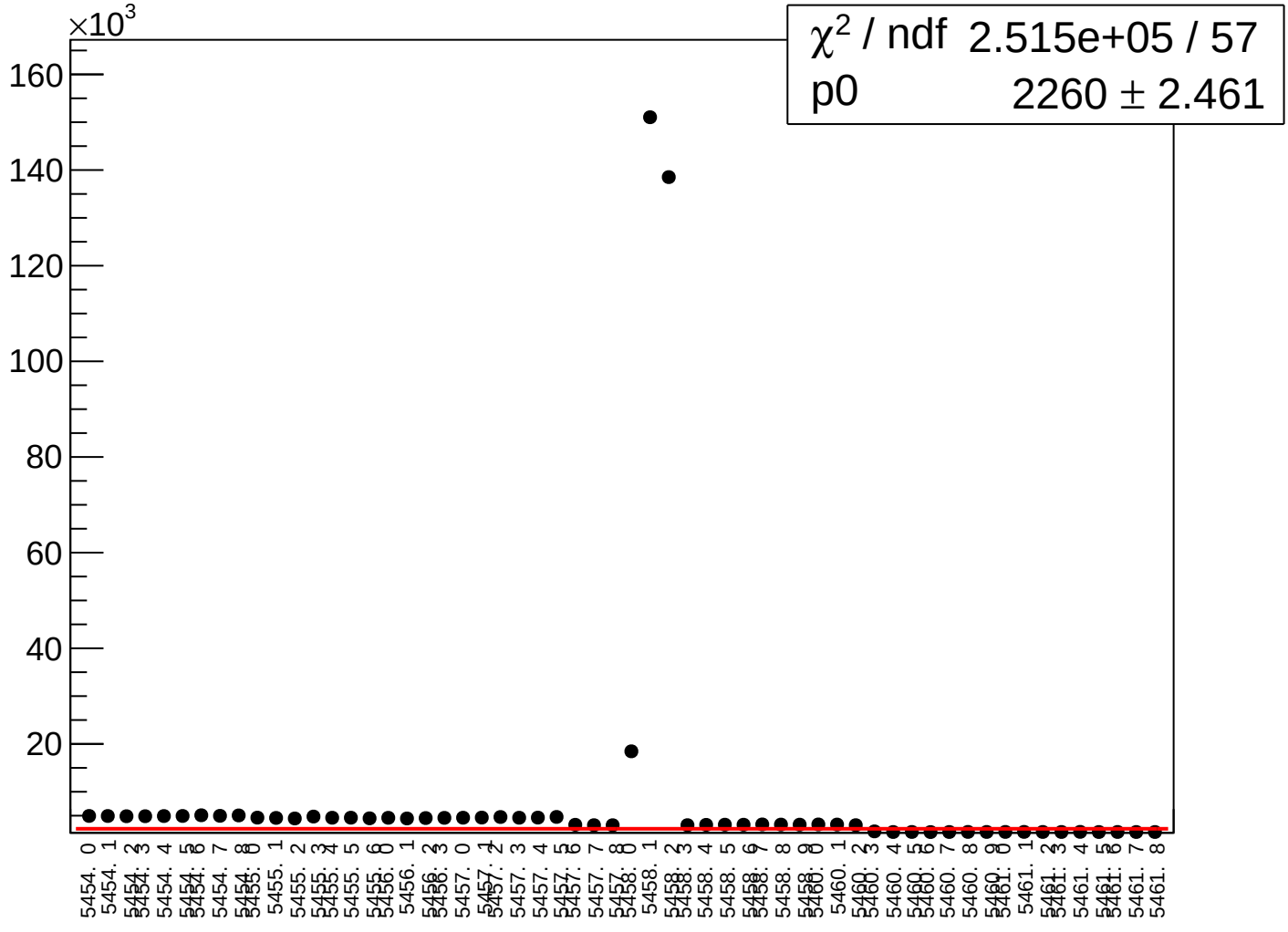

pull1D
Entries 58
Mean −0.01764
Std Dev 0.936

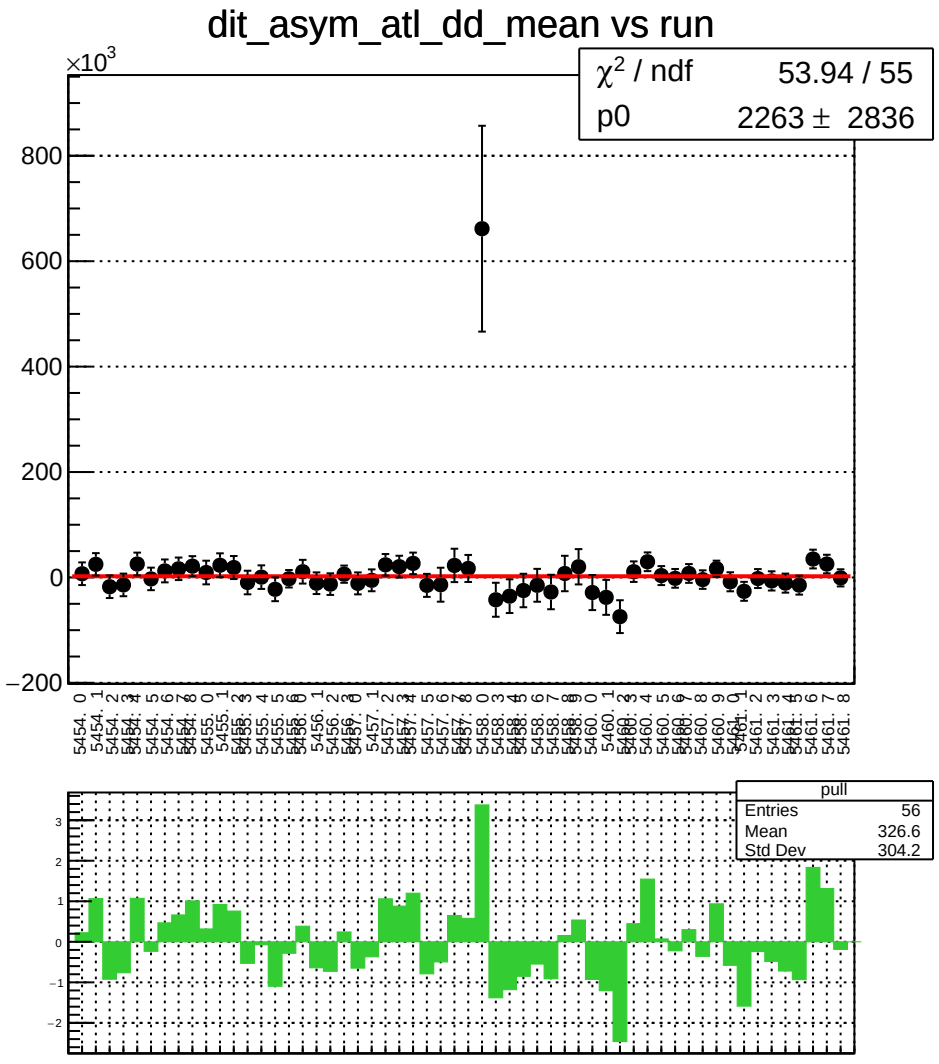

asym_atl_avg_correction_rms vs run
χ² / ndf 6171 / 57
p0 2372 ± 2.273
2700
2600
2500
2400
2300
2200
2100
2000
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

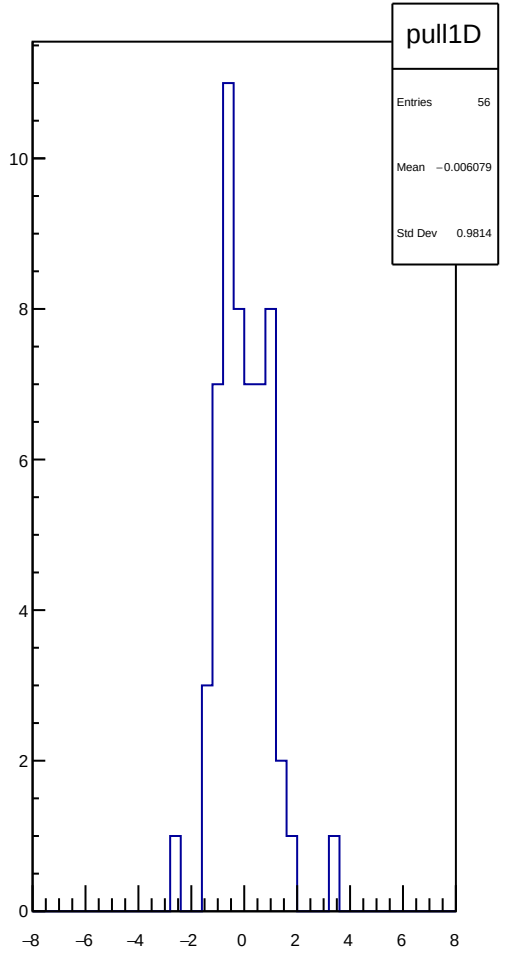

asym_atl_avg_mean vs run
×10^3
χ² / ndf 55.15 / 55
p0 −2237 ± 3480
200
0
−200
−400
−600
−800

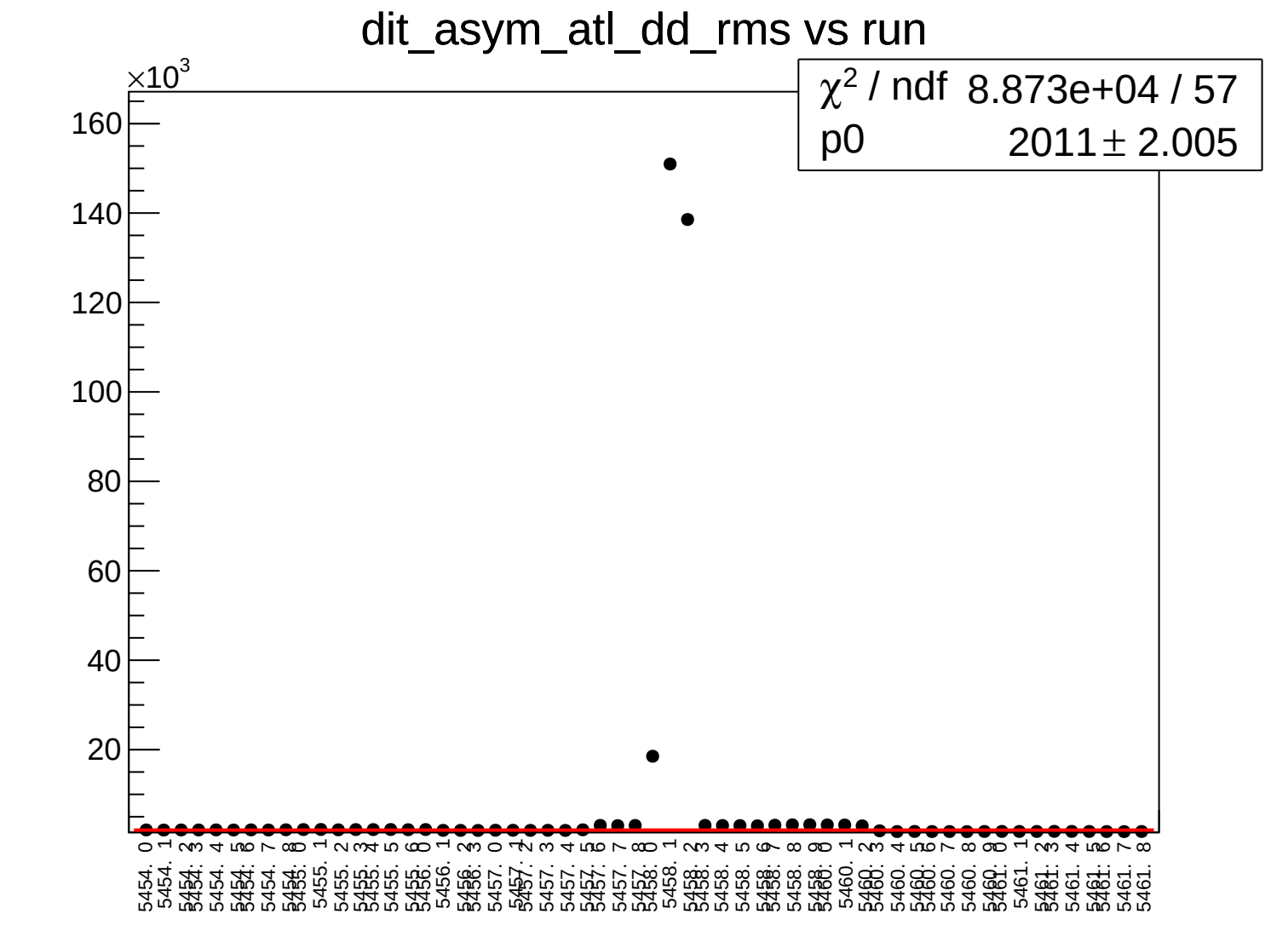

pull
Entries 56
Mean 7.869
Std Dev 17.87

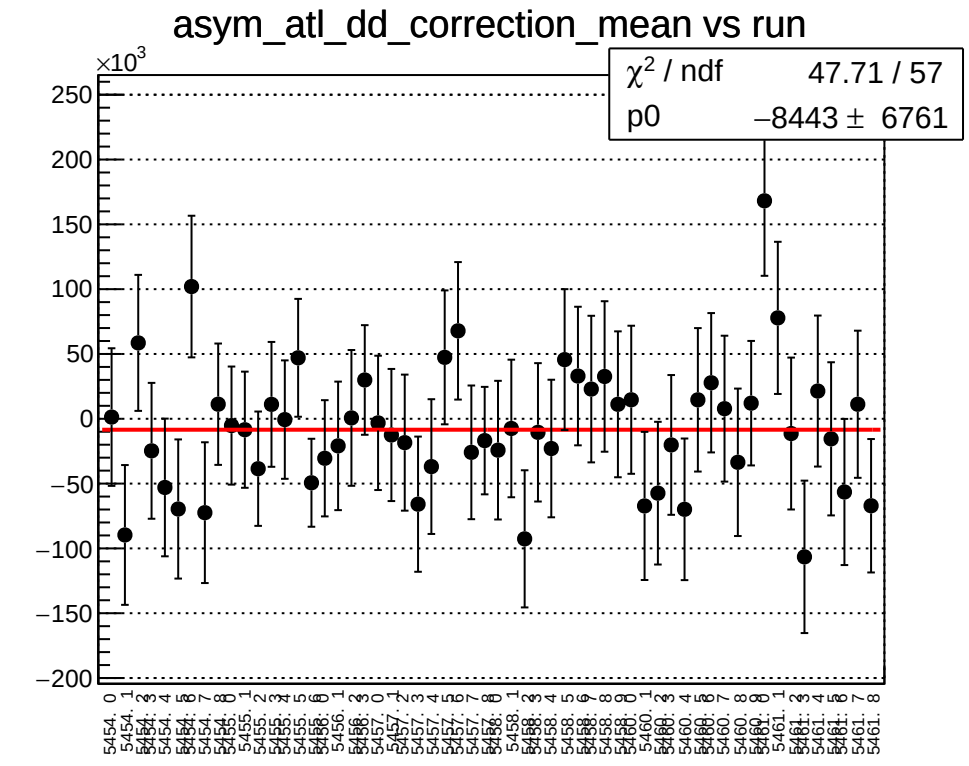

pull1D
Entries 56
Mean −0.2014
Std Dev 0.9717

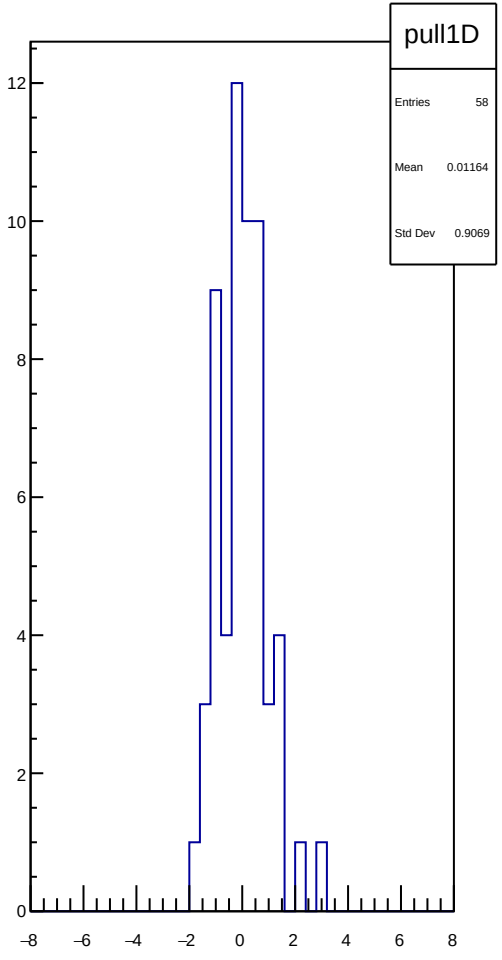

asym_atl_avg_rms vs run
×10^3
χ² / ndf 2.515e+05 / 57
p0 2260 ± 2.461
160
140
120
100
80
60
40
20
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

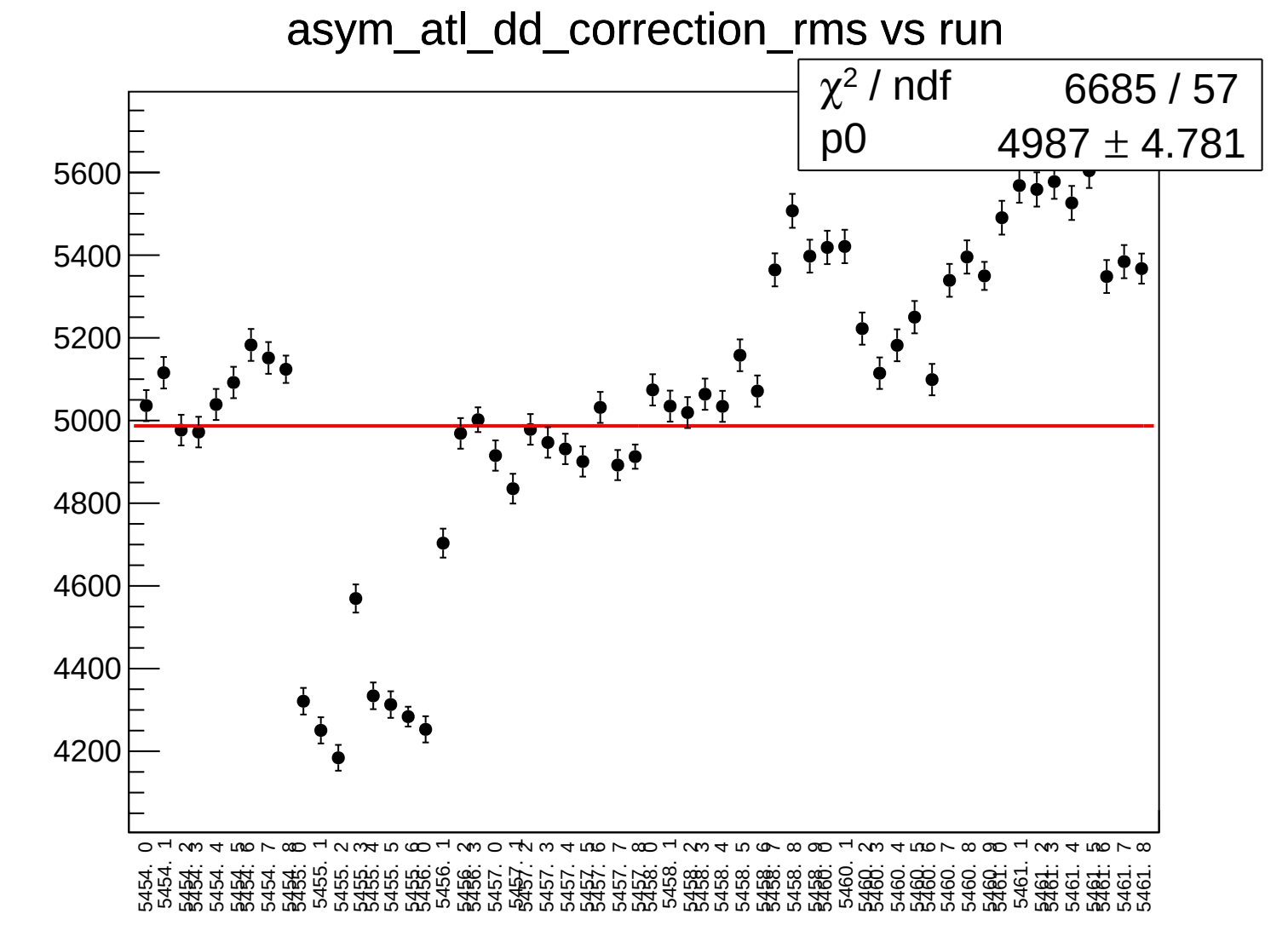

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 53.94 / 55
p0 2263 ± 2836
800
600
400
200
0
−200
pull
Entries 56
Mean 326.6
Std Dev 304.2
3
2
1
0
−1
−2

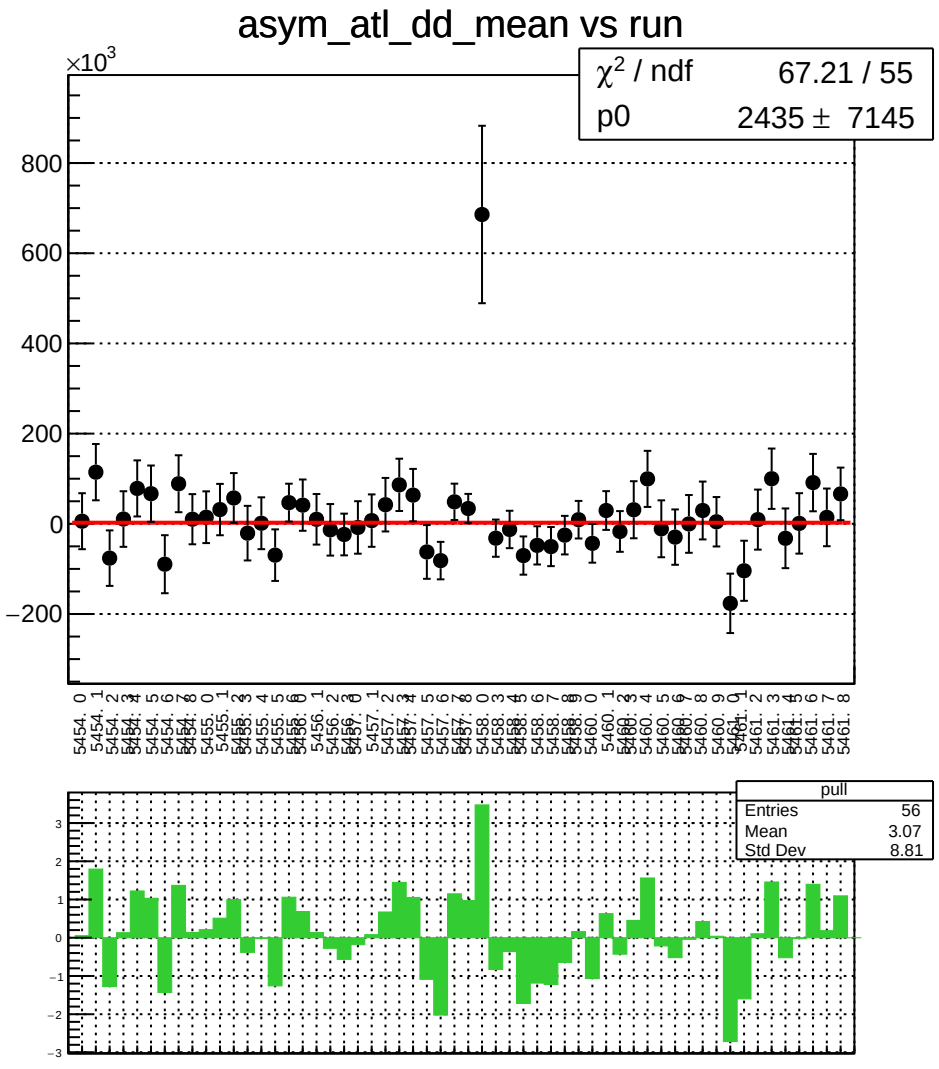

pull1D
Entries 56
Mean −0.006079
Std Dev 0.9814
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

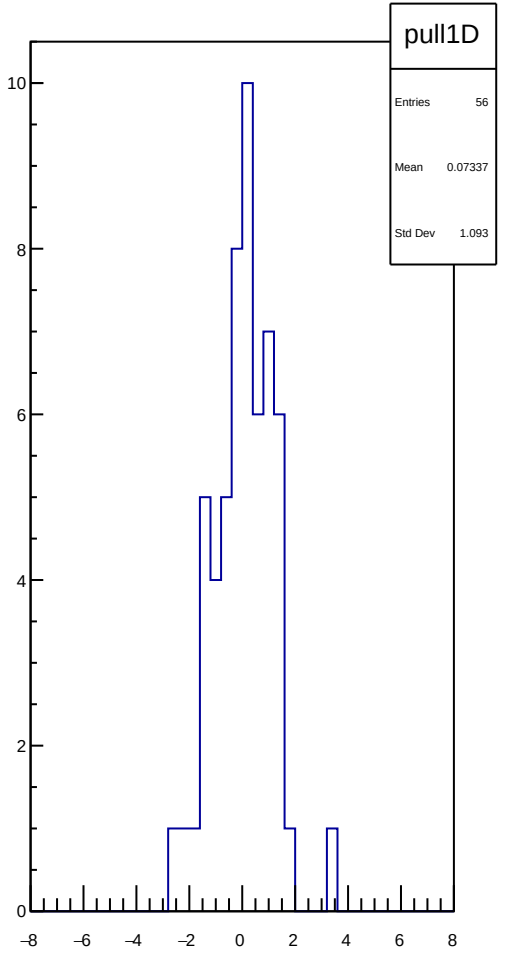

dit_asym_atl_dd_rms vs run
×10^3
χ^2 / ndf 8.873e+04 / 57
p0 2011 ± 2.005
160
140
120
100
80
60
40
20

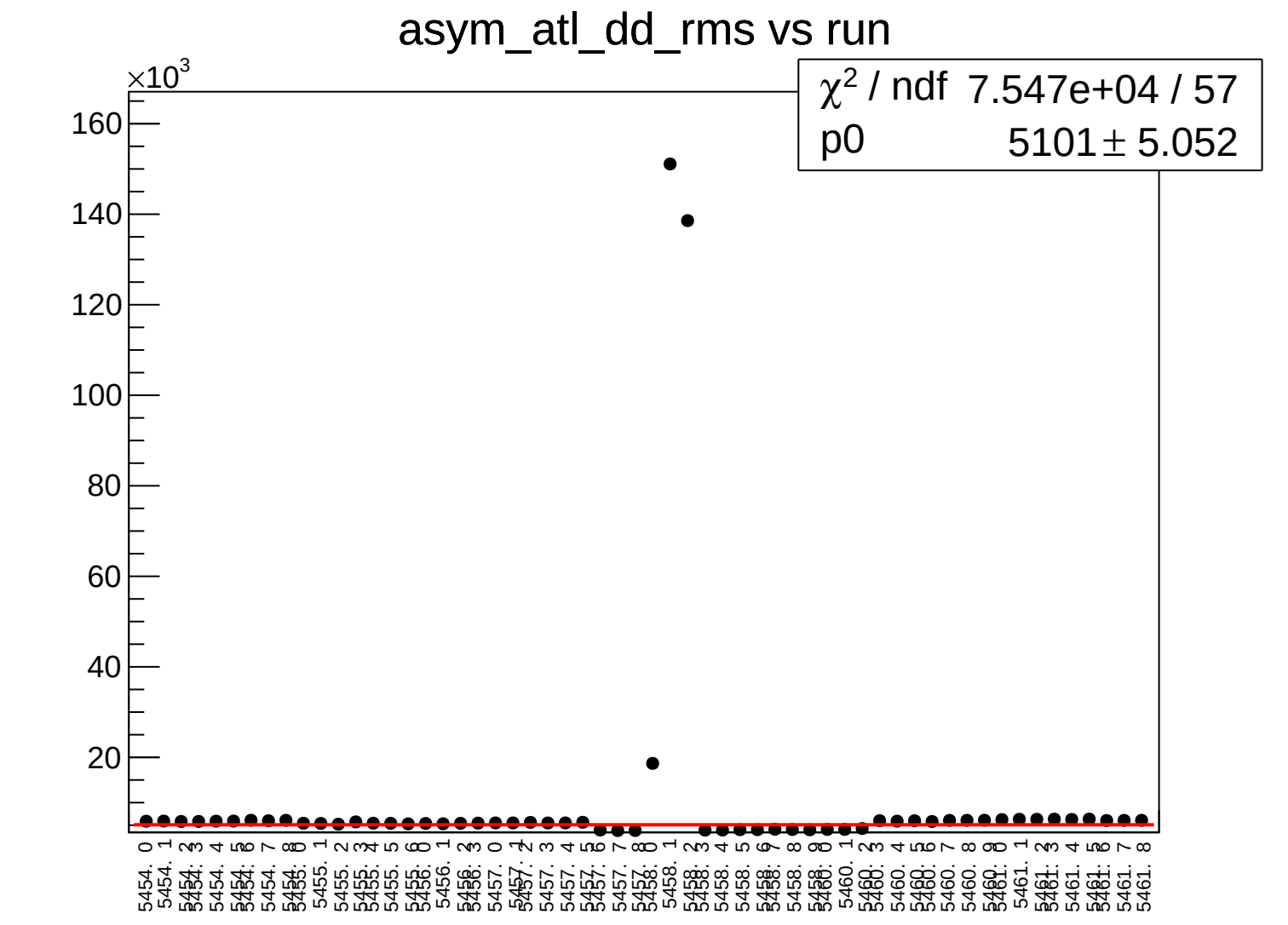

asym_atl_dd_correction_mean vs run
χ² / ndf 47.71 / 57
p0 −8443 ± 6761
×10³
pull
Entries 58
Mean 104.6
Std Dev 82.91

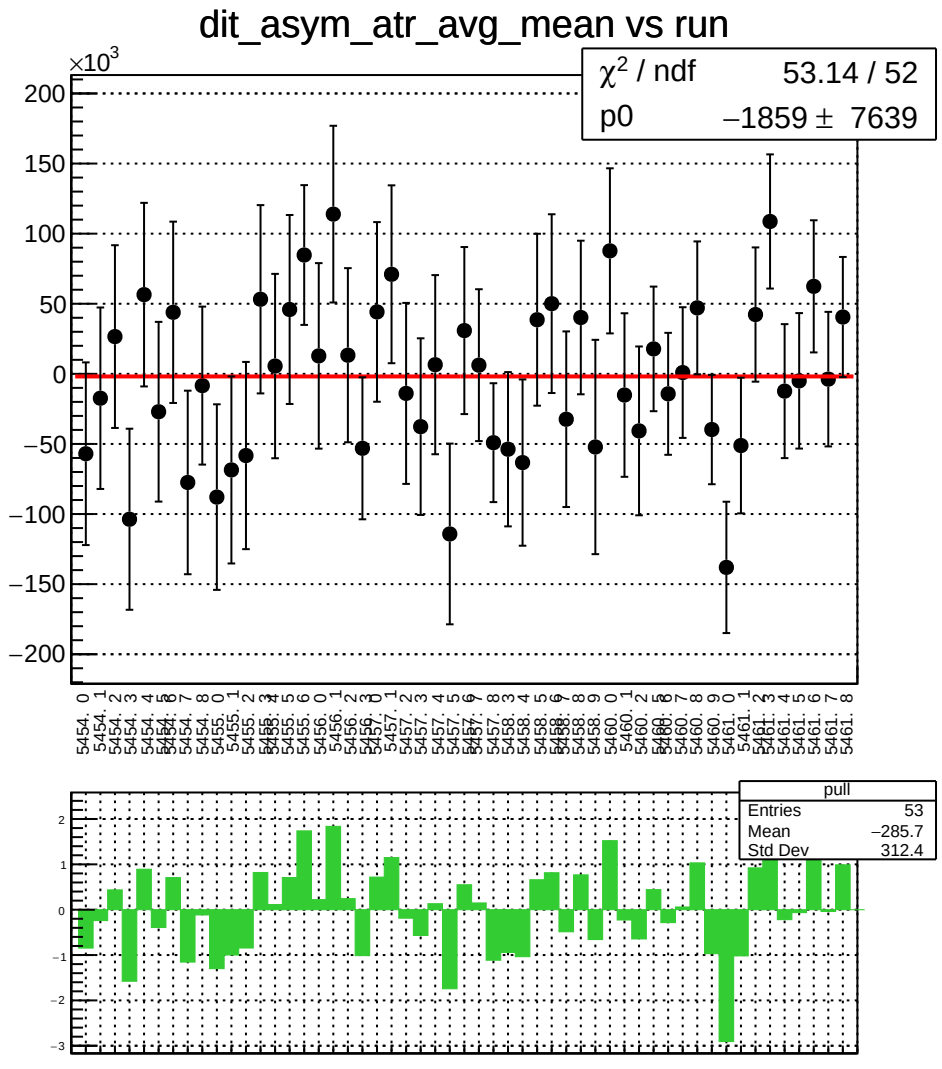

pull1D
Entries 58
Mean 0.01164
Std Dev 0.9069

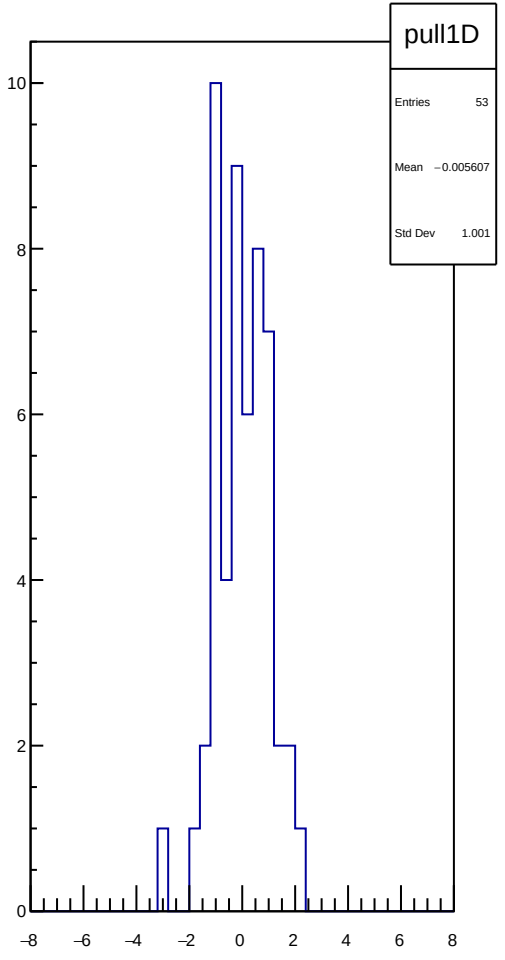

asym_atl_dd_correction_rms vs run
χ² / ndf 6685 / 57
p0 4987 ± 4.781
5600
5400
5200
5000
4800
4600
4400
4200

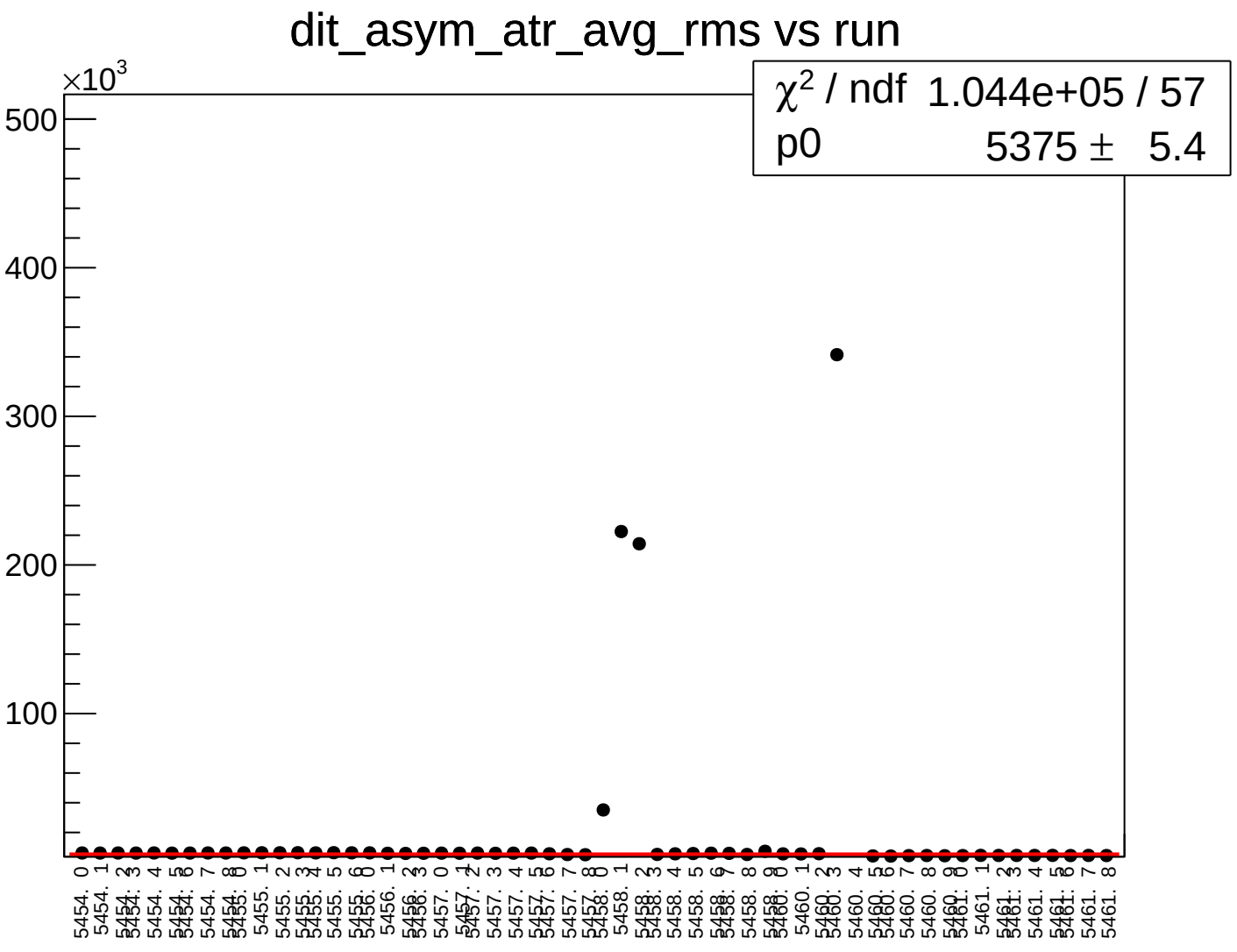

asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.21 / 55
p0 2435 ± 7145
800
600
400
200
0
−200
pull
Entries 56
Mean 3.07
Std Dev 8.81
3
2
1
0
−1
−2
−3

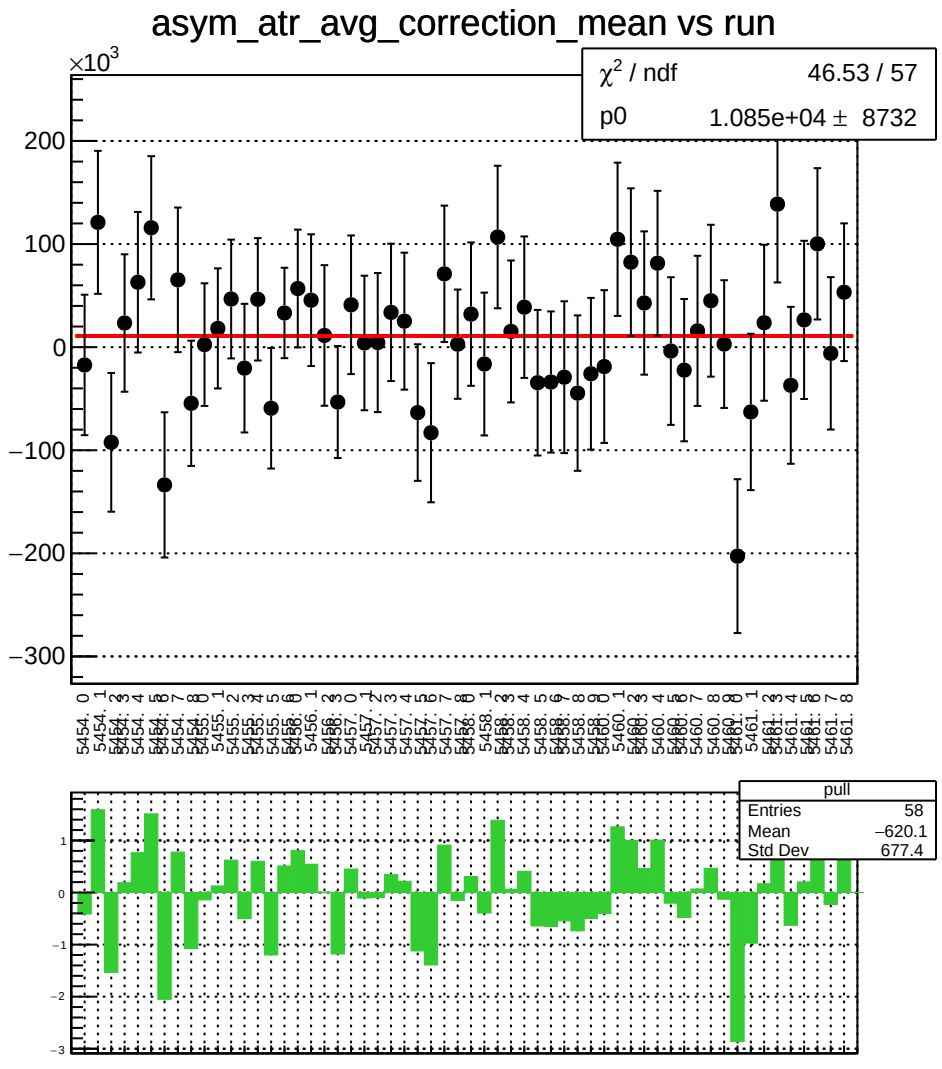

pull1D
Entries 56
Mean 0.07337
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

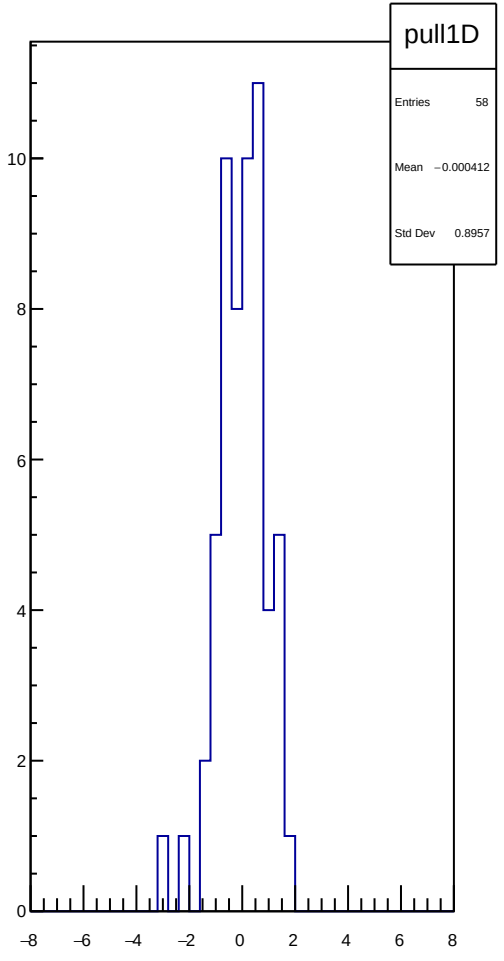

asym_atl_dd_rms vs run
×10^3
χ^2 / ndf 7.547e+04 / 57
p0 5101 ± 5.052
160
140
120
100
80
60
40
20

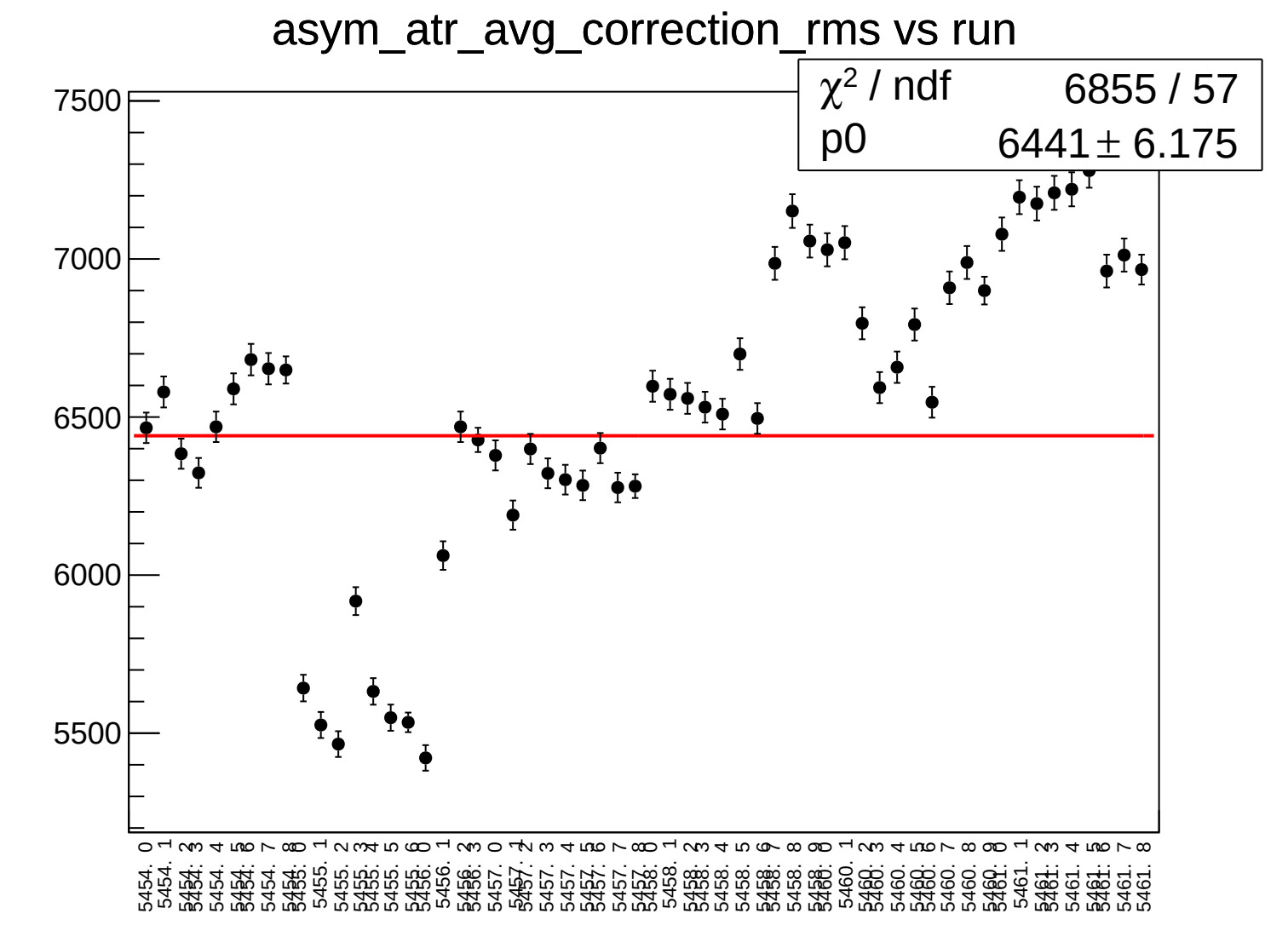

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 53.14 / 52
p0 −1859 ± 7639
pull
Entries 53
Mean −285.7
Std Dev 312.4

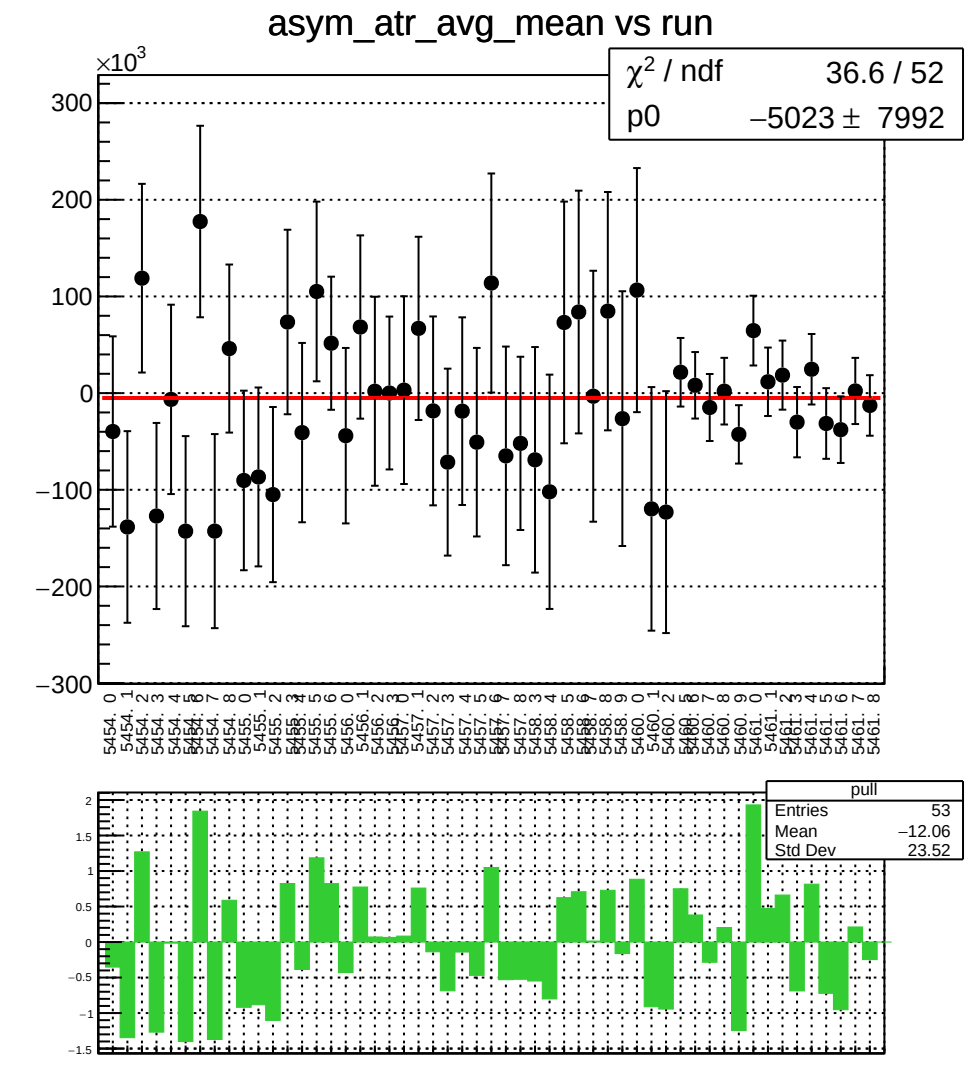

pull1D
Entries 53
Mean −0.005607
Std Dev 1.001

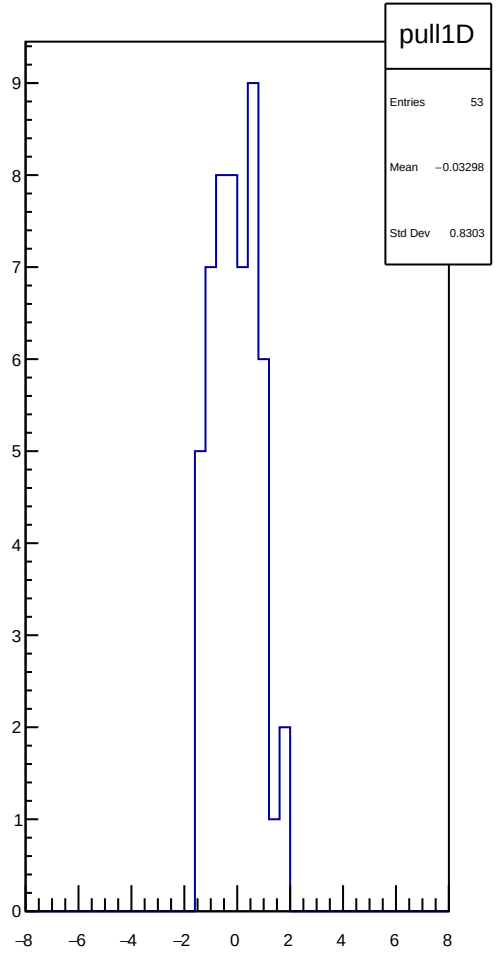

dit_asym_atr_avg_rms vs run
×10^3
500
400
300
200
100
χ² / ndf 1.044e+05 / 57
p0 5375 ± 5.4

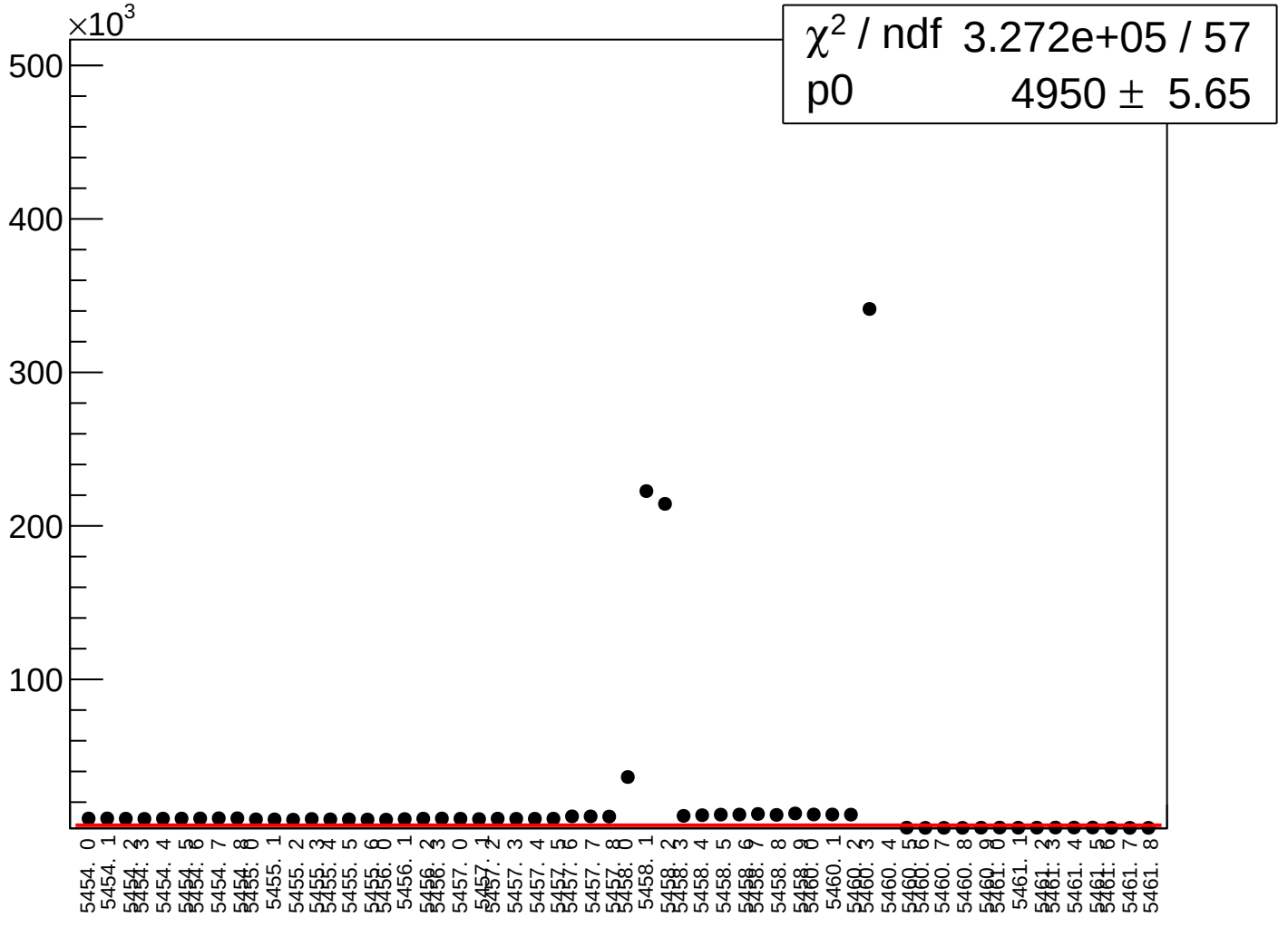

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 46.53 / 57
p0 1.085e+04 ± 8732
200
100
0
−100
−200
−300
pull
Entries 58
Mean −620.1
Std Dev 677.4
1
0
−1
−2
−3

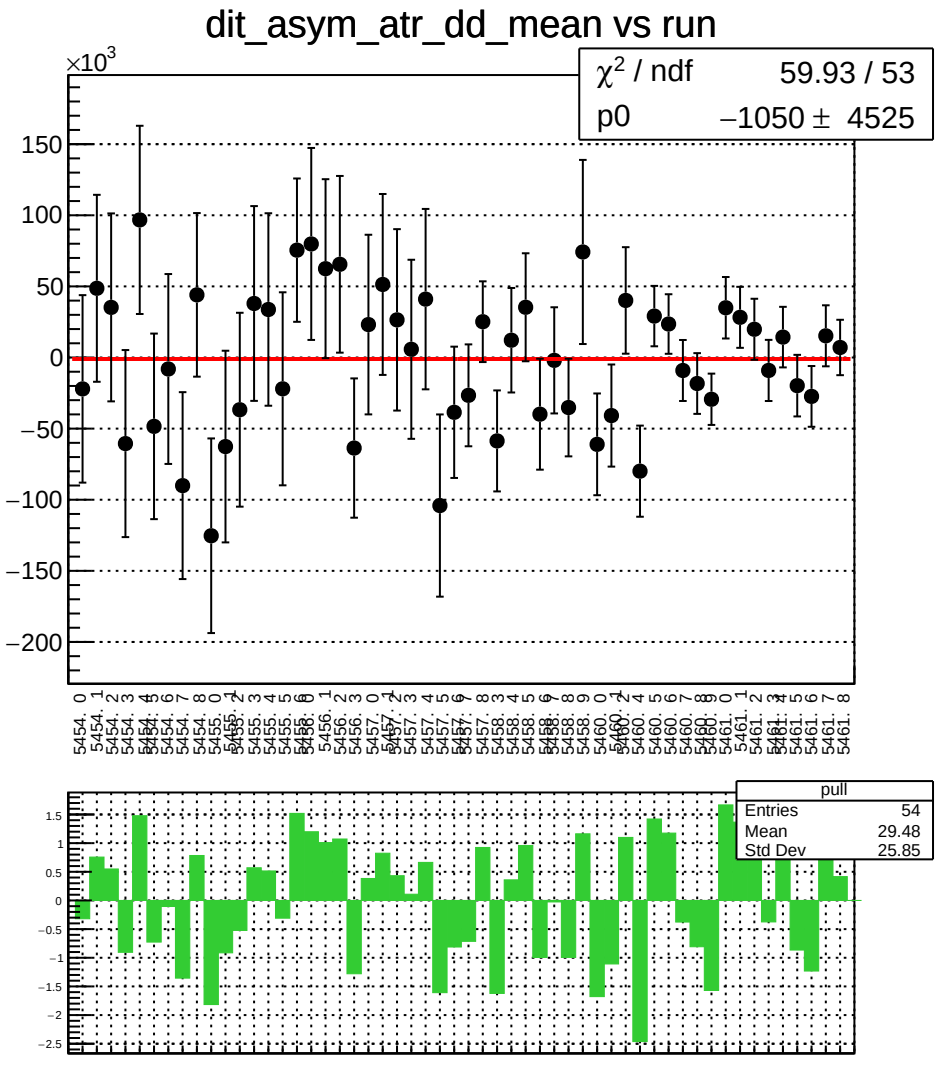

pull1D
Entries 58
Mean −0.000412
Std Dev 0.8957
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

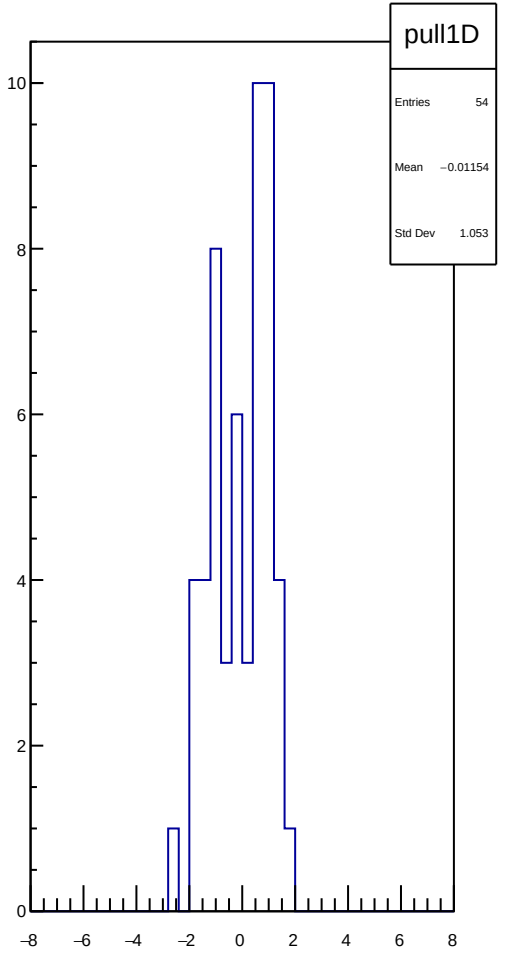

asym_atr_avg_correction_rms vs run
χ² / ndf 6855 / 57
p0 6441 ± 6.175
7500
7000
6500
6000
5500

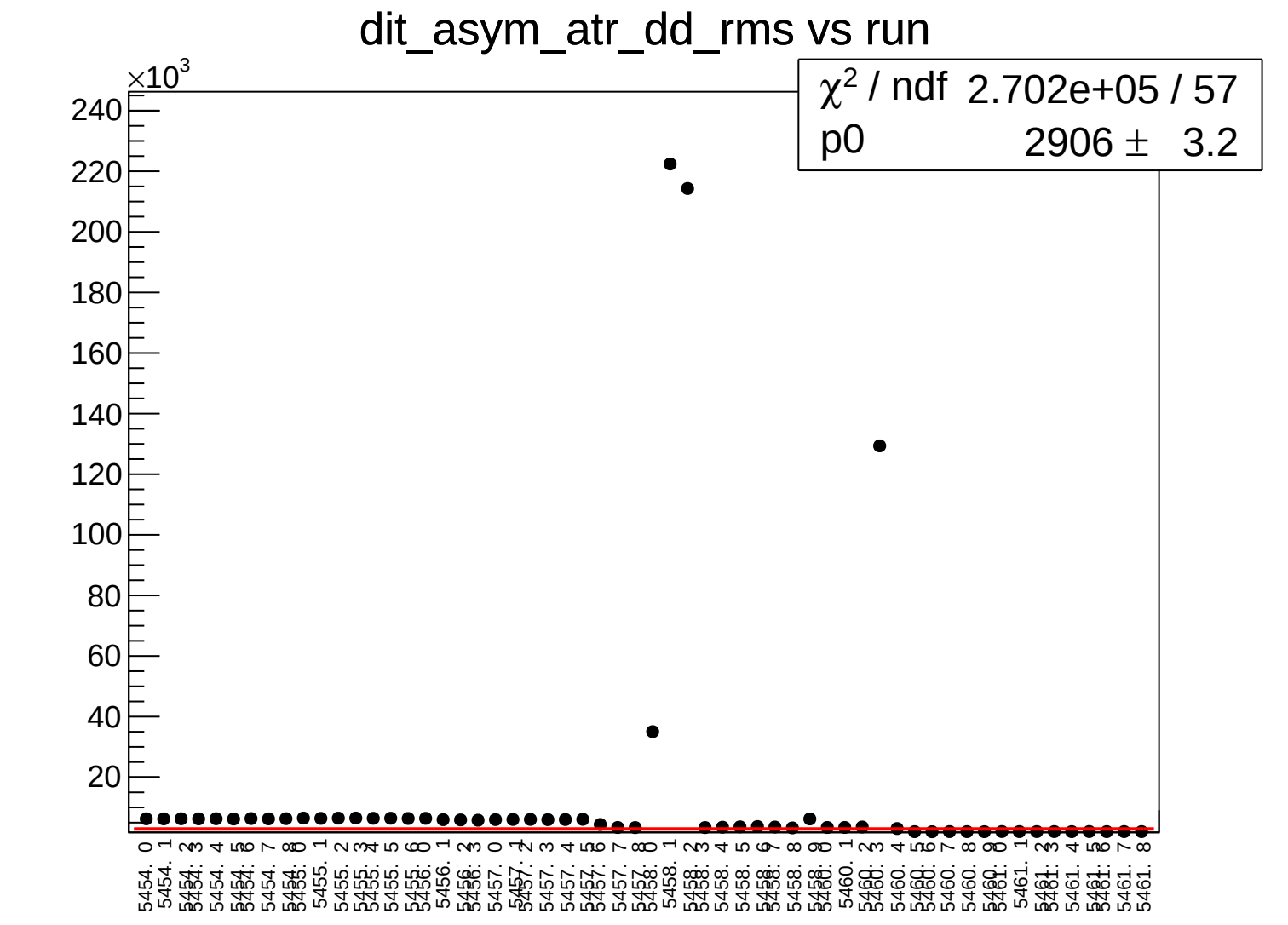

asym_atr_avg_mean vs run
×10^3
χ² / ndf 36.6 / 52
p0 −5023 ± 7992
pull
Entries 53
Mean −12.06
Std Dev 23.52

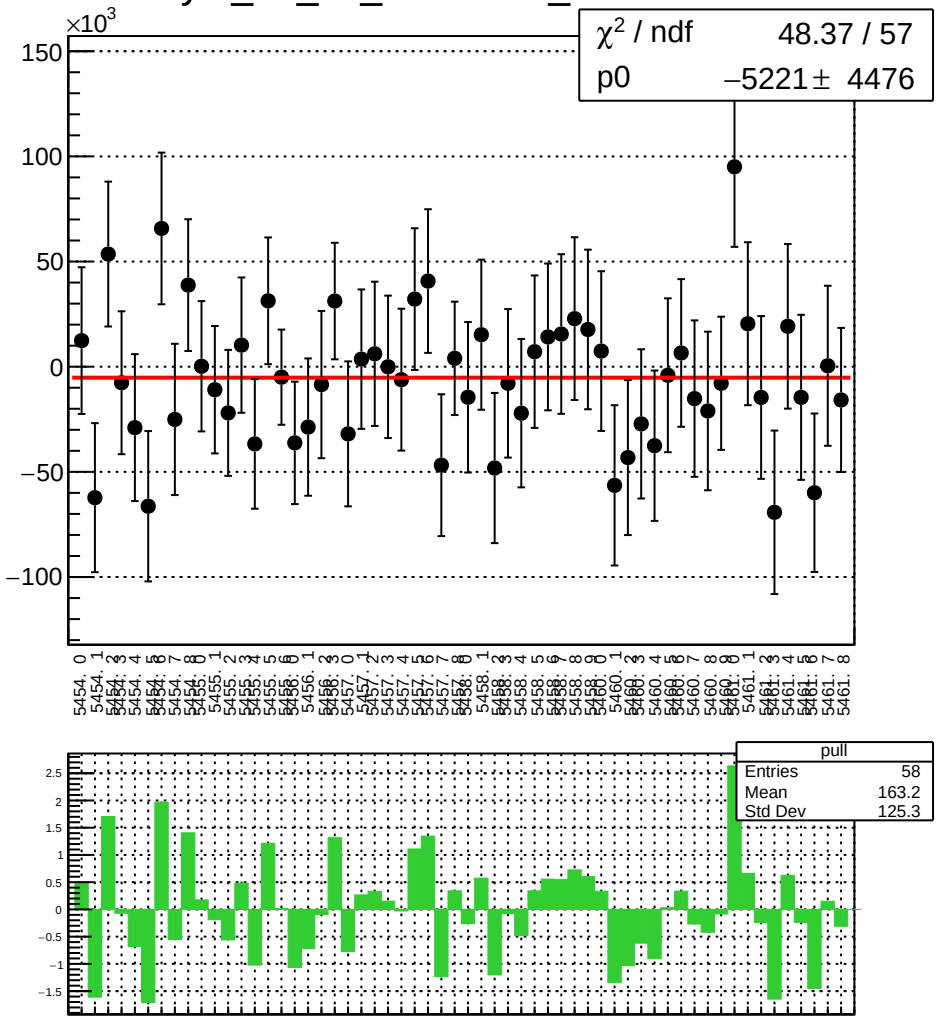

pull1D
Entries 53
Mean −0.03298
Std Dev 0.8303

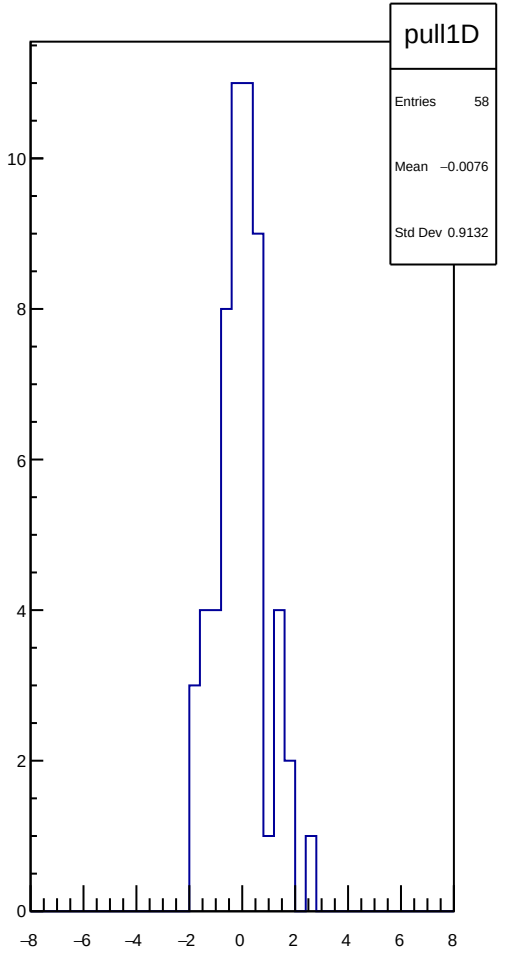

asym_atr_avg_rms vs run
×10^3
500
400
300
200
100
χ² / ndf 3.272e+05 / 57
p0 4950 ± 5.65
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5456. 4
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

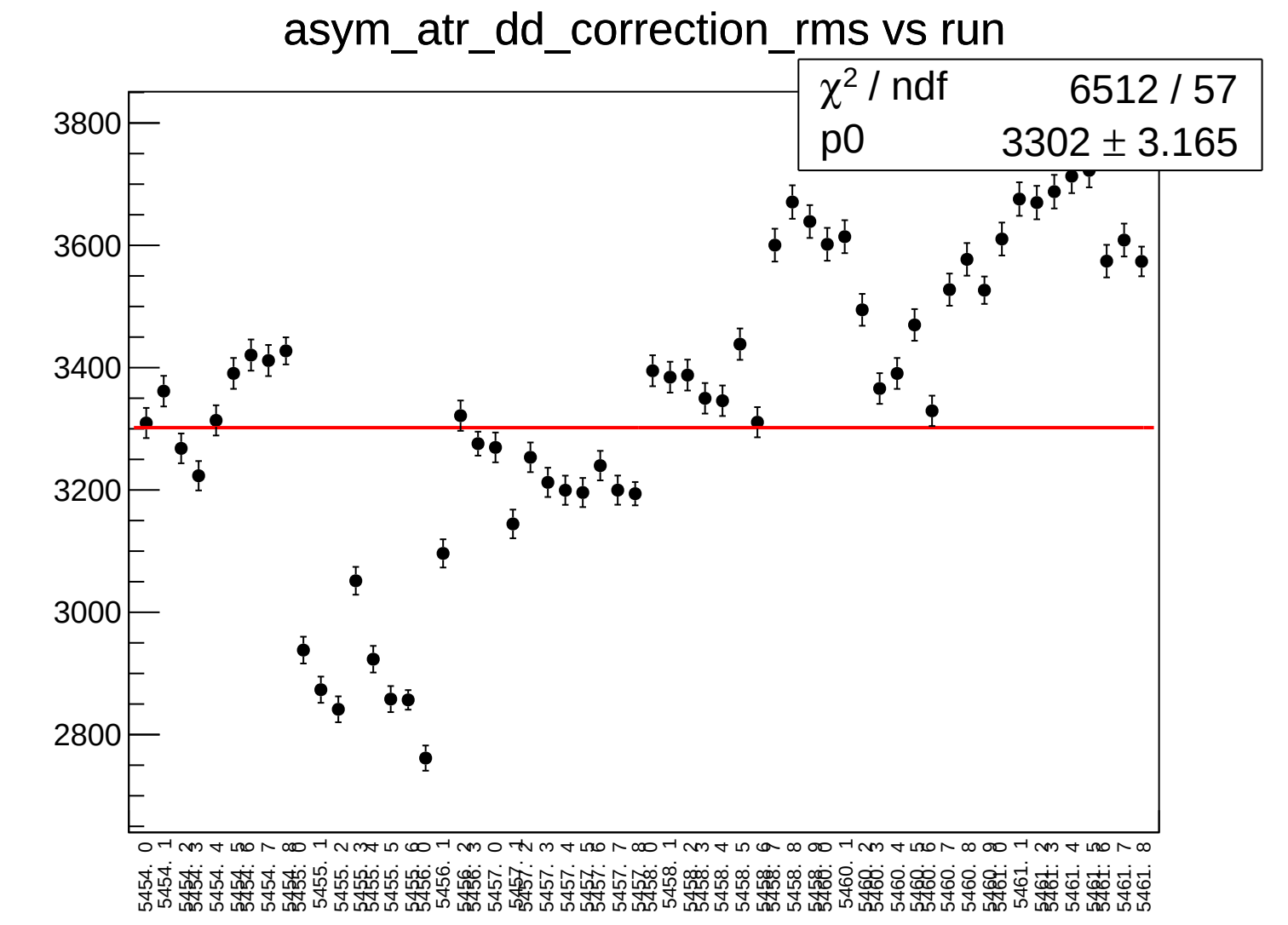

dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 59.93 / 53
p0 −1050 ± 4525
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 29.48
Std Dev 25.85
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

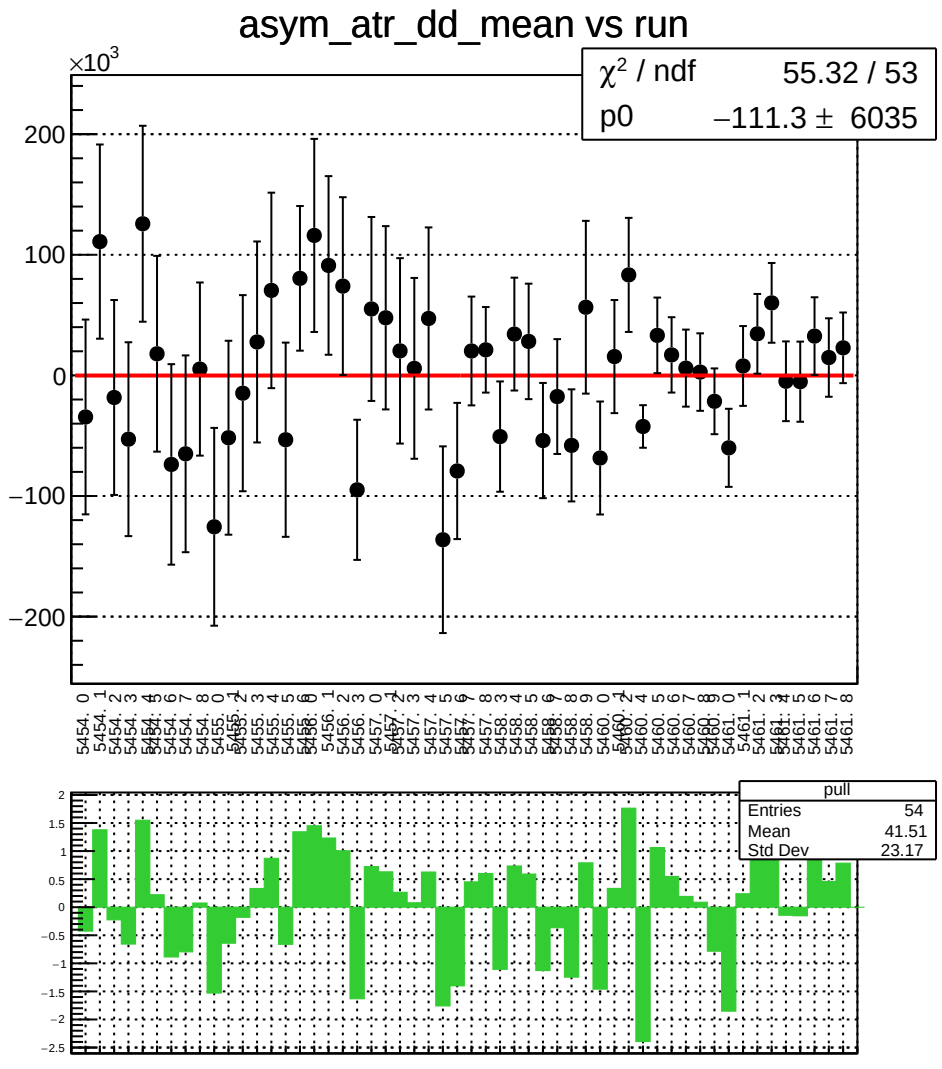

pull1D
Entries 54
Mean −0.01154
Std Dev 1.053
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

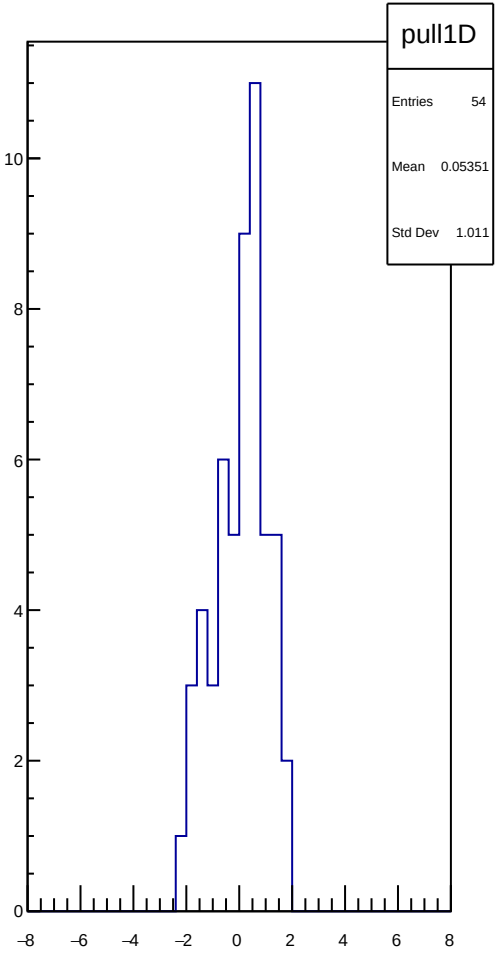

dit_asym_atr_dd_rms vs run
×10^3
χ^2 / ndf 2.702e+05 / 57
p0 2906 ± 3.2
240
220
200
180
160
140
120
100
80
60
40
20
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5455. 7
5456. 0
5456. 1
5456. 2
5456. 3
5456. 4
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

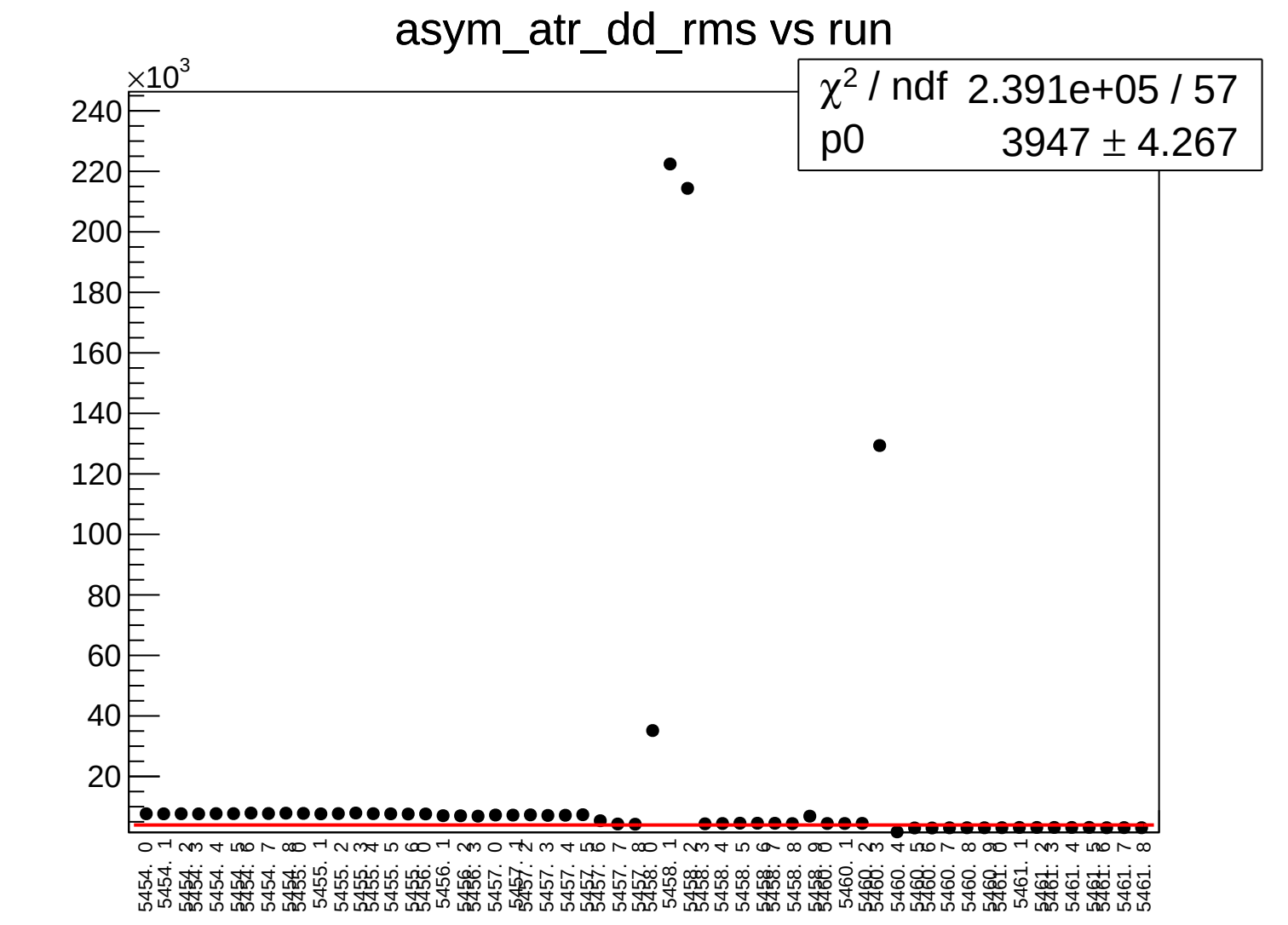

asym_atr_dd_correction_mean vs run
χ² / ndf 48.37 / 57
p0 −5221 ± 4476
pull
Entries 58
Mean 163.2
Std Dev 125.3

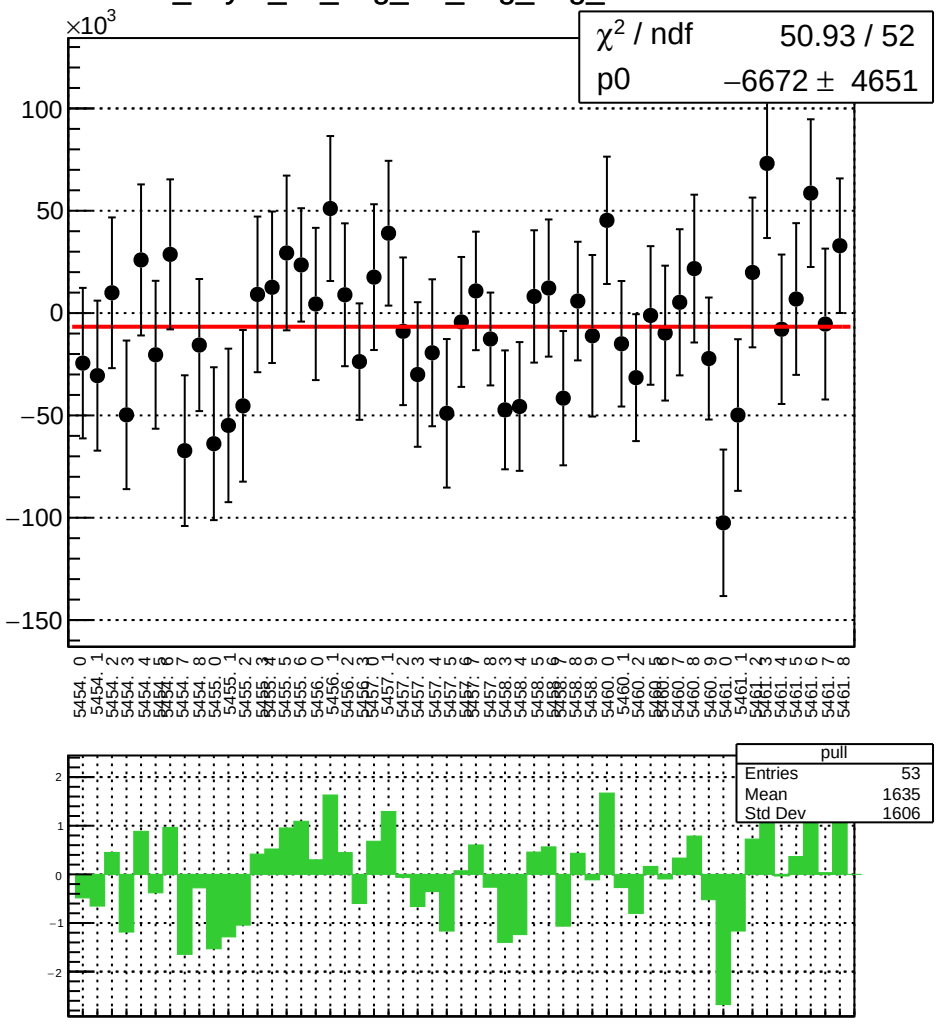

pull1D
Entries 58
Mean −0.0076
Std Dev 0.9132

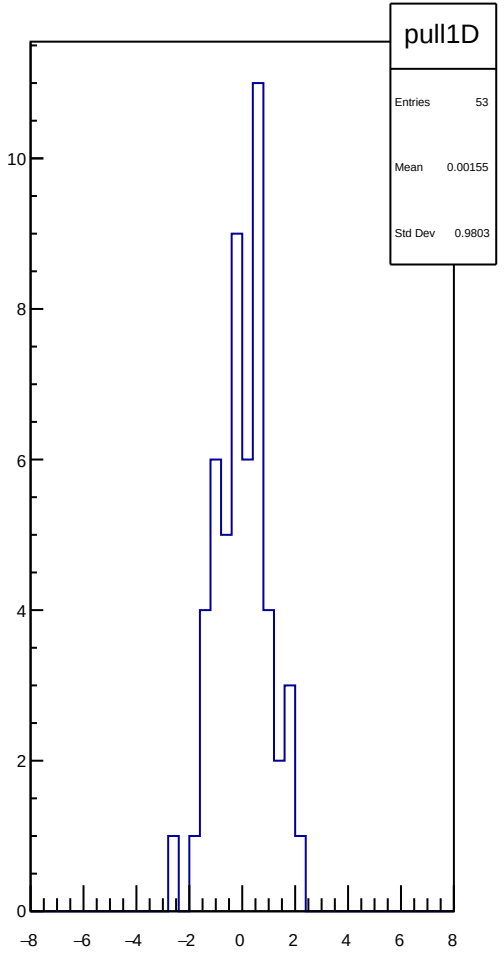

asym_atr_dd_correction_rms vs run
χ² / ndf 6512 / 57
p0 3302 ± 3.165
3800
3600
3400
3200
3000
2800
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

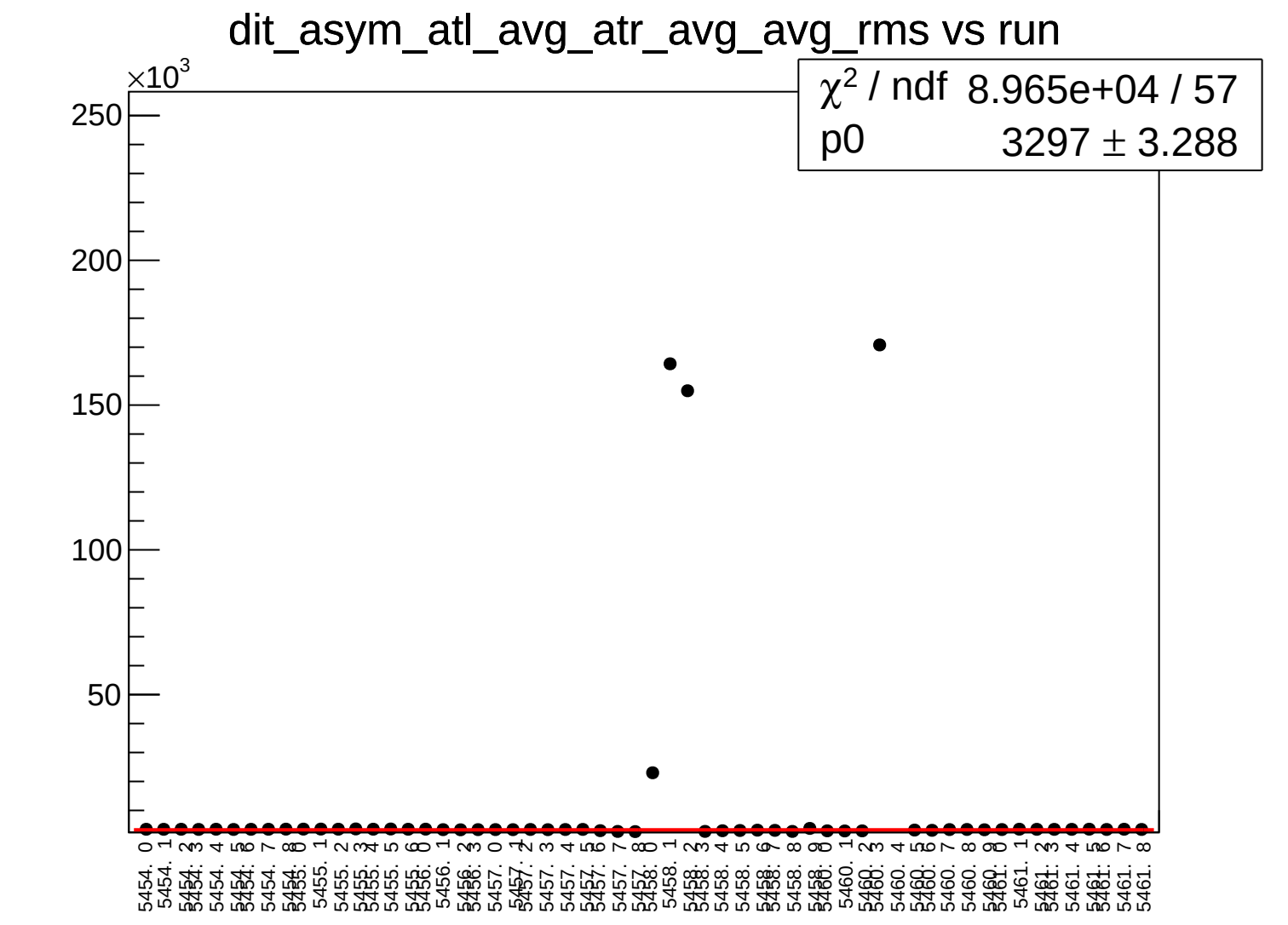

asym_atr_dd_mean vs run
×10^3
χ² / ndf 55.32 / 53
p0 −111.3 ± 6035
200
100
0
−100
−200
pull
Entries 54
Mean 41.51
Std Dev 23.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

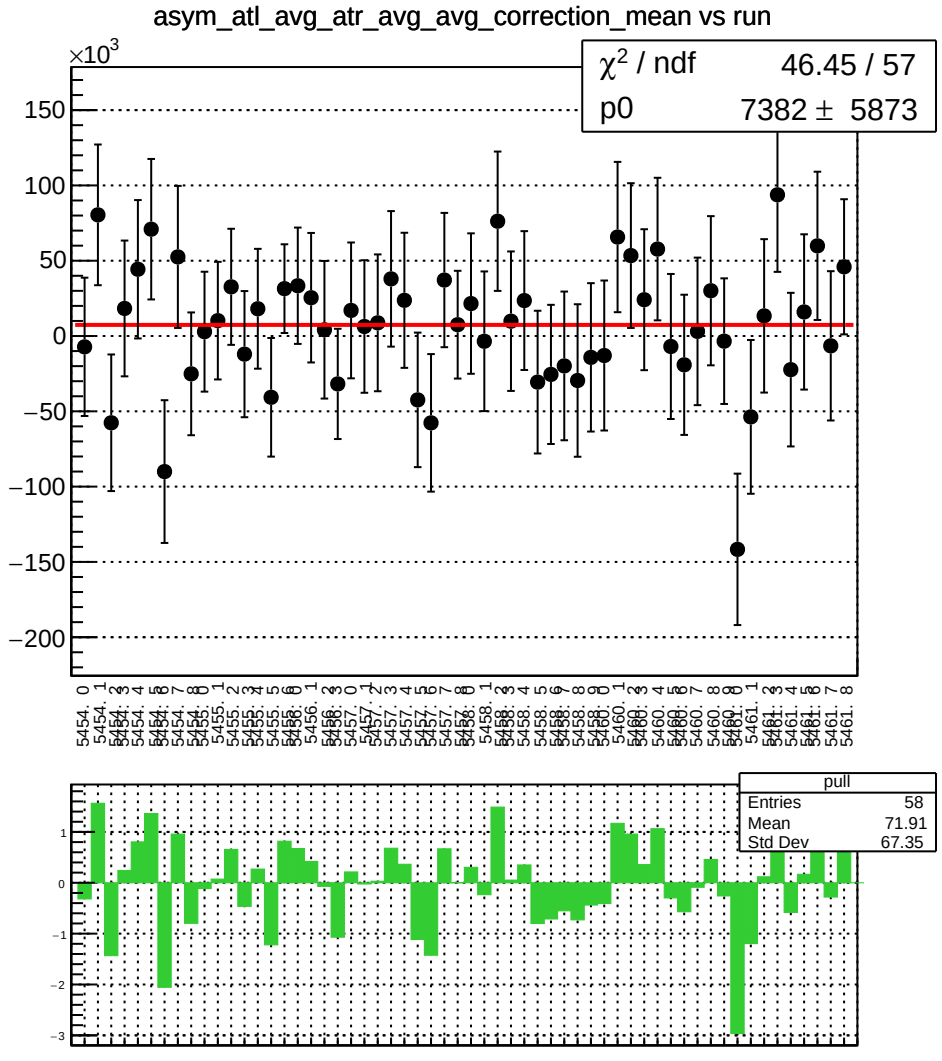

pull1D
Entries 54
Mean 0.05351
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

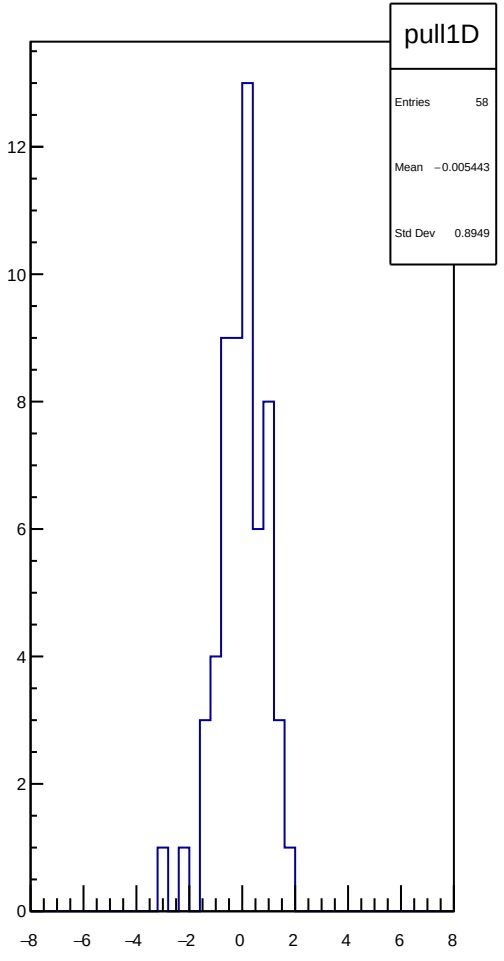

asym_atr_dd_rms vs run
×10^3
240
220
200
180
160
140
120
100
80
60
40
20
χ² / ndf 2.391e+05 / 57
p0 3947 ± 4.267
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5455. 7
5456. 0
5456. 1
5456. 2
5456. 3
5456. 4
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

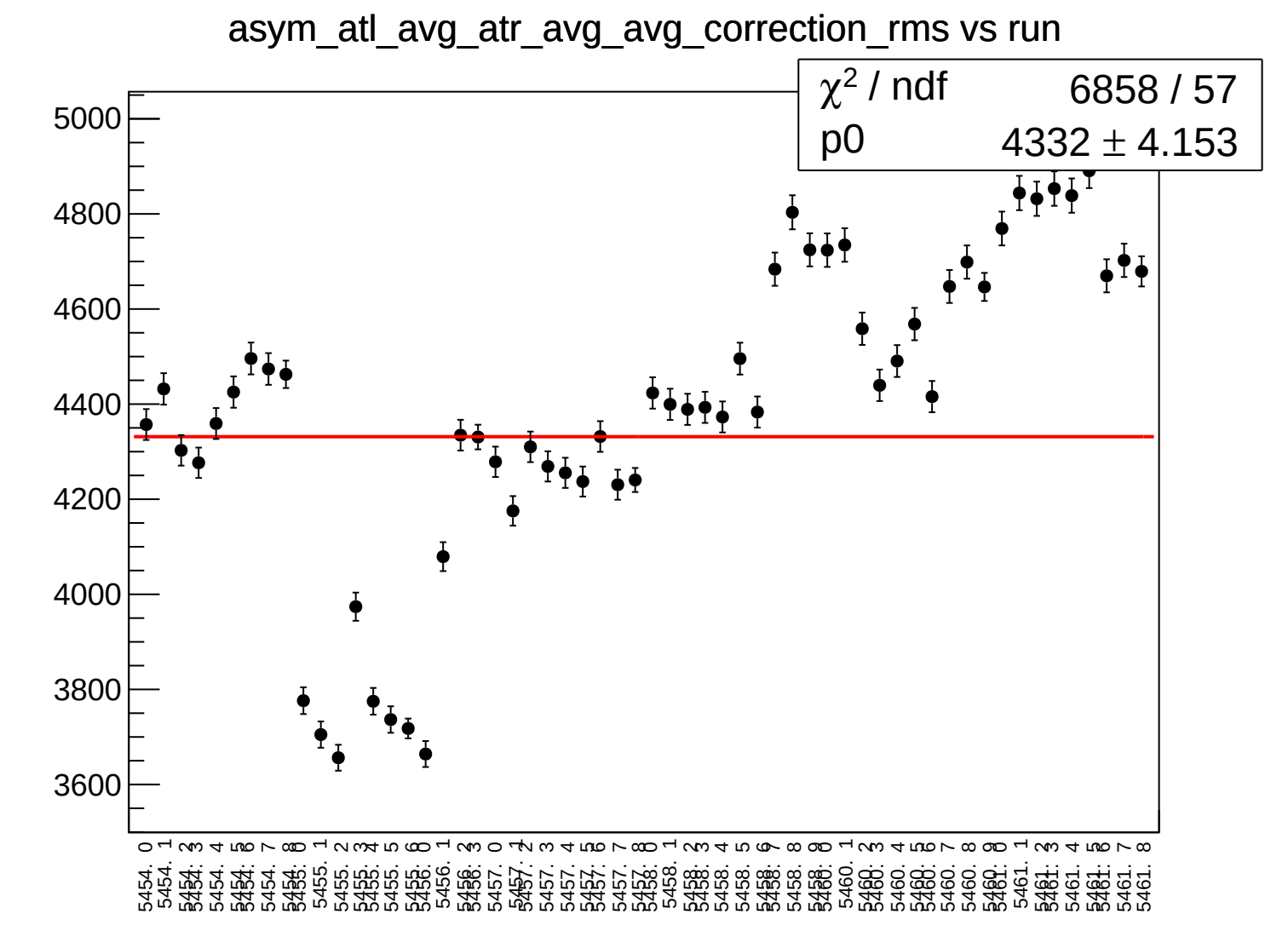

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 50.93 / 52
p0 −6672 ± 4651
100
50
0
−50
−100
−150
pull
Entries 53
Mean 1635
Std Dev 1606
2
1
0
−1
−2

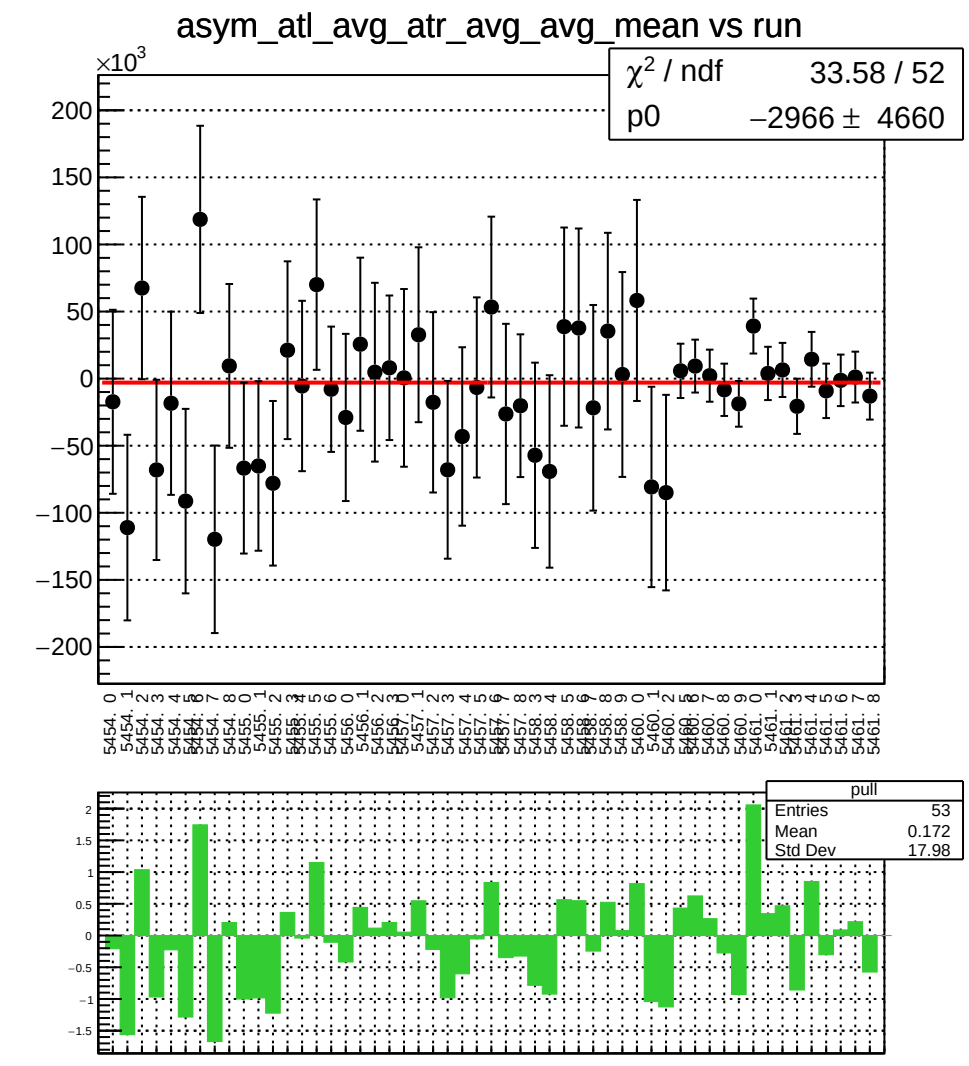

pull1D
Entries 53
Mean 0.00155
Std Dev 0.9803
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

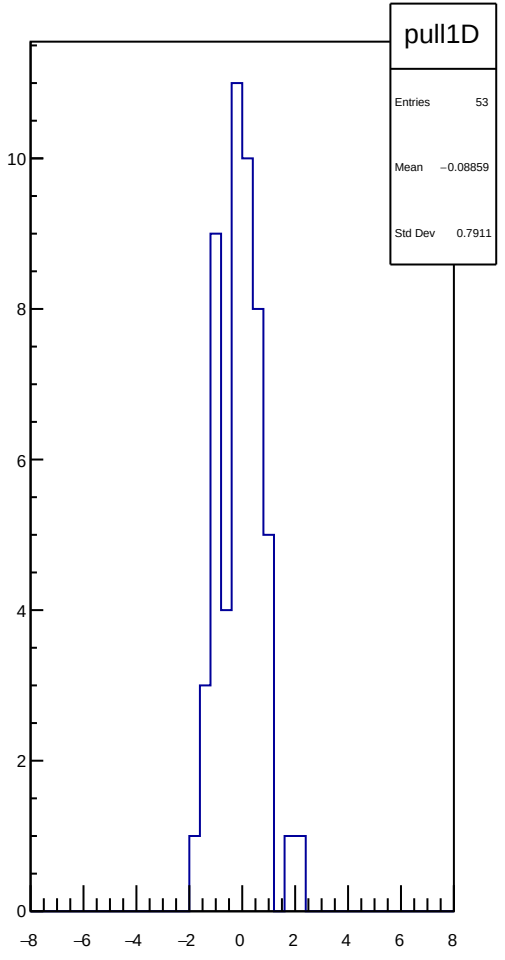

dit_asym_atl_avg_atr_avg_avg_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 8.965e+04 / 57
p0 3297 ± 3.288

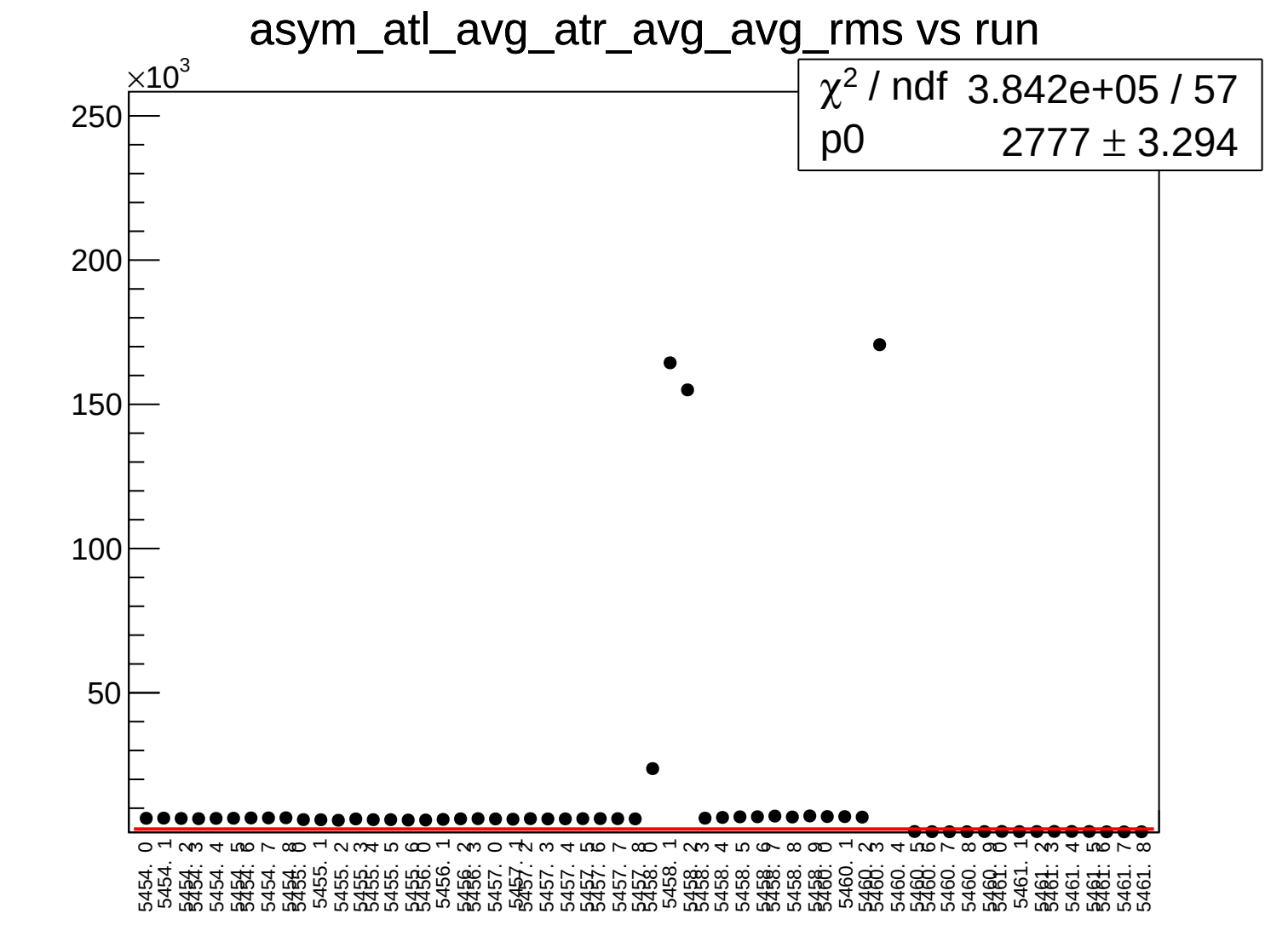

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 46.45 / 57
p0 7382 ± 5873
150
100
50
0
−50
−100
−150
−200
pull
Entries 58
Mean 71.91
Std Dev 67.35
1
0
−1
−2
−3

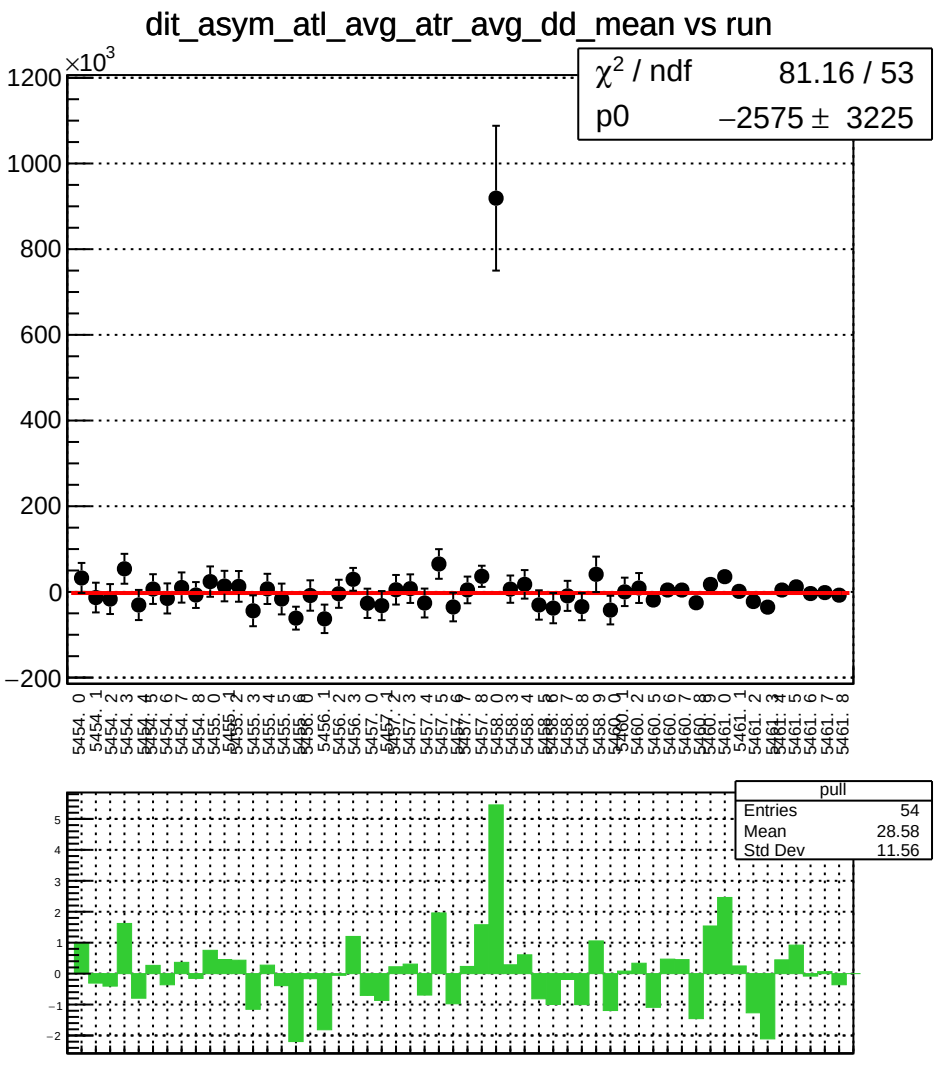

pull1D
Entries 58
Mean −0.005443
Std Dev 0.8949
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

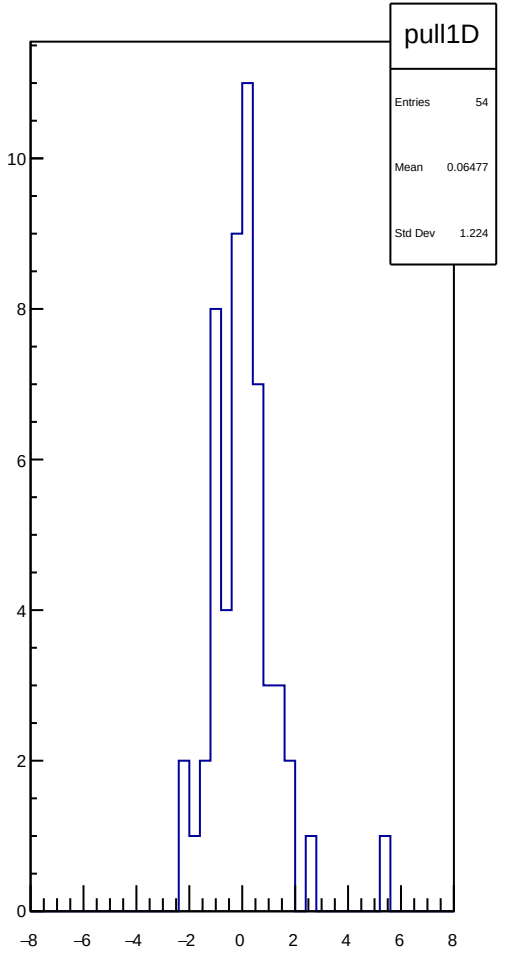

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 6858 / 57
p0 4332 ± 4.153
5000
4800
4600
4400
4200
4000
3800
3600

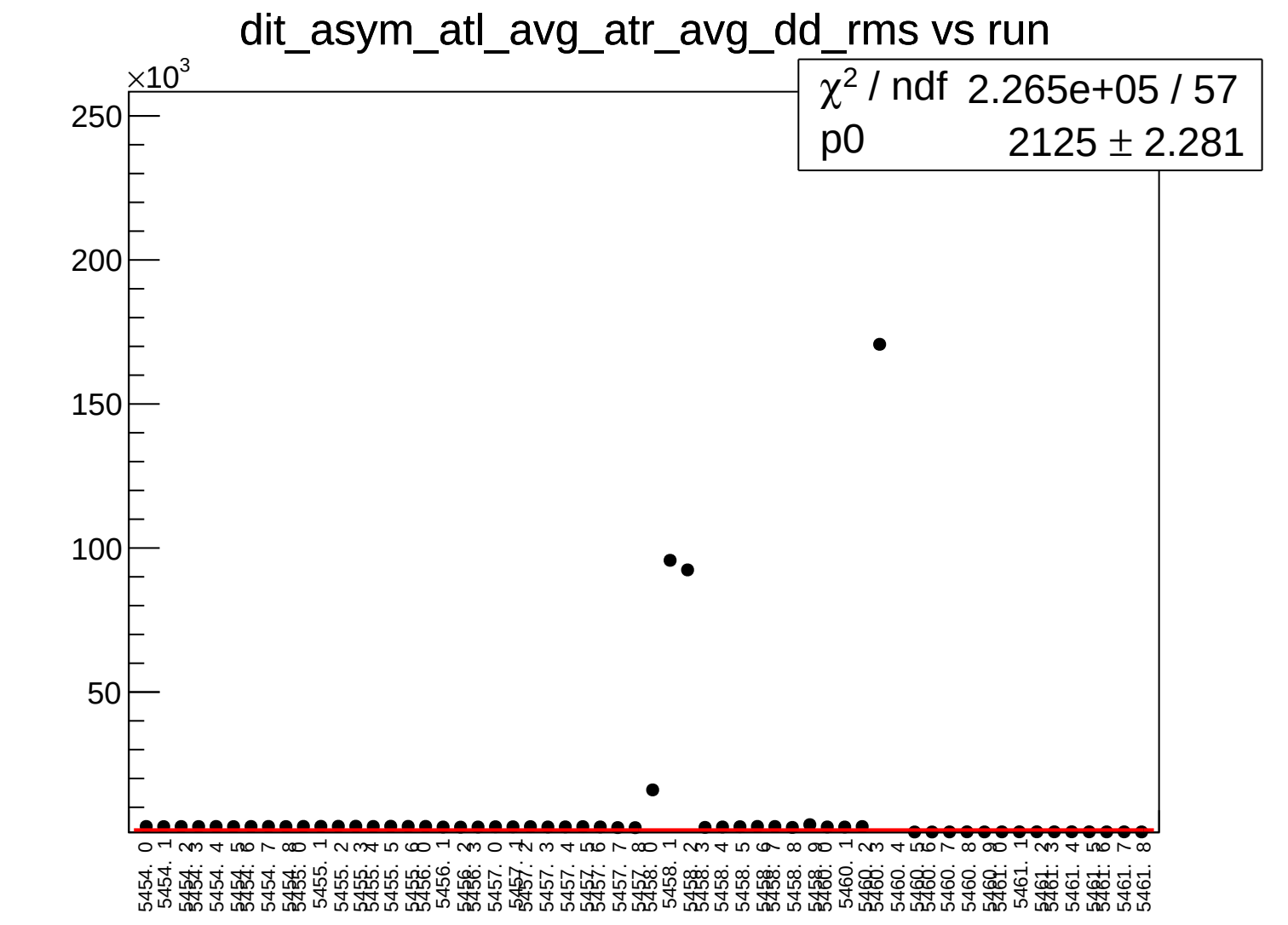

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 33.58 / 52
p0 −2966 ± 4660
×10³
pull
Entries 53
Mean 0.172
Std Dev 17.98

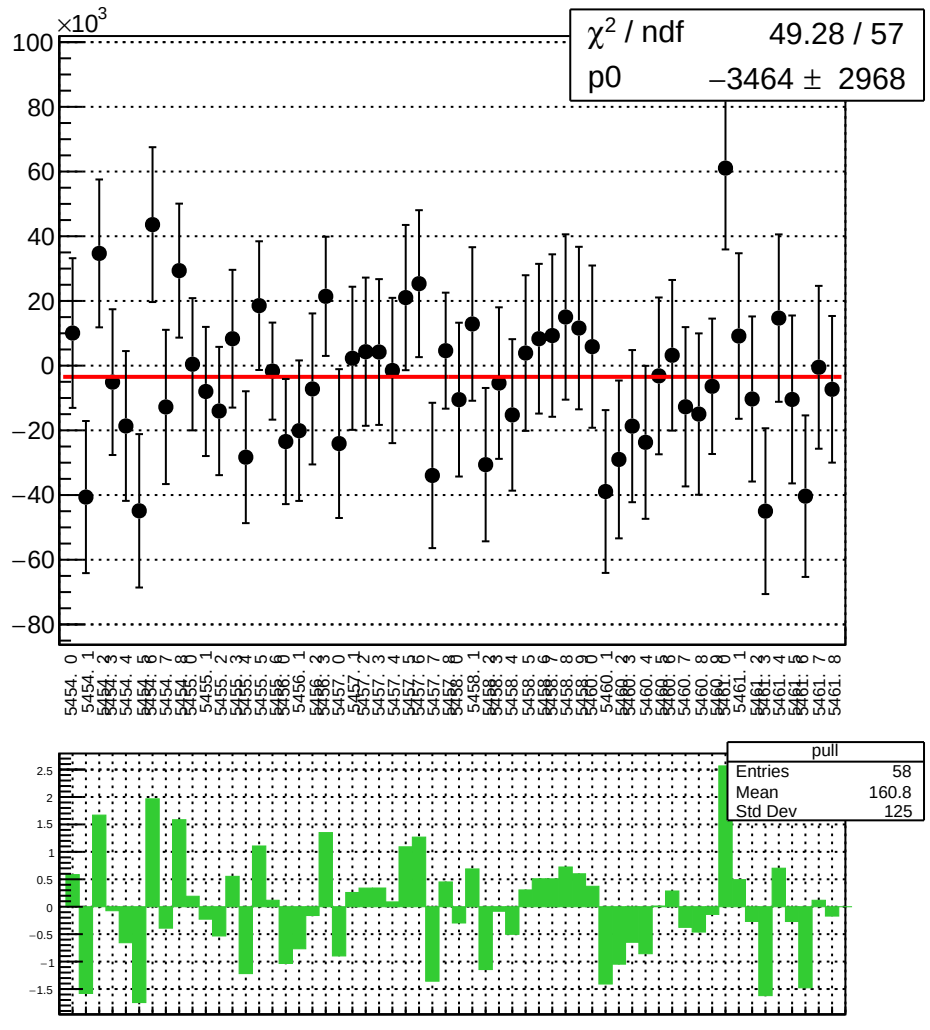

pull1D
Entries 53
Mean −0.08859
Std Dev 0.7911

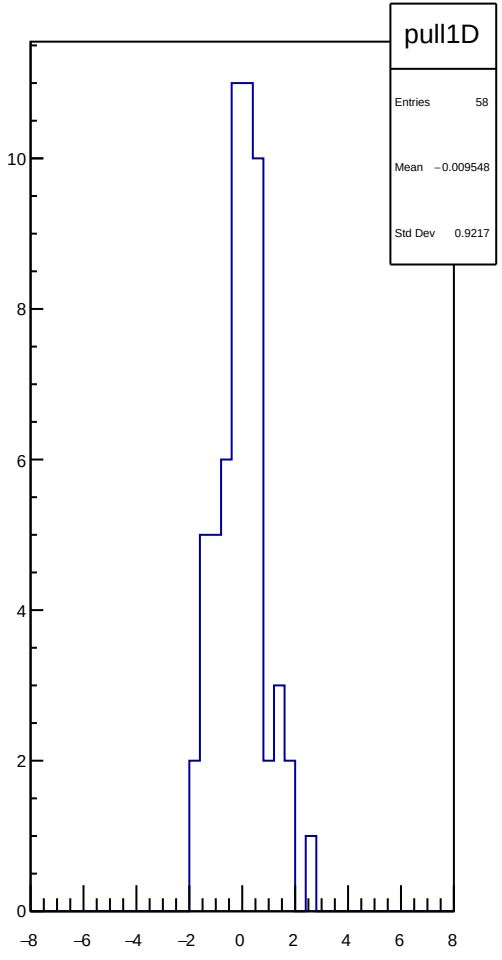

asym_atl_avg_atr_avg_avg_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 3.842e+05 / 57
p0 2777 ± 3.294

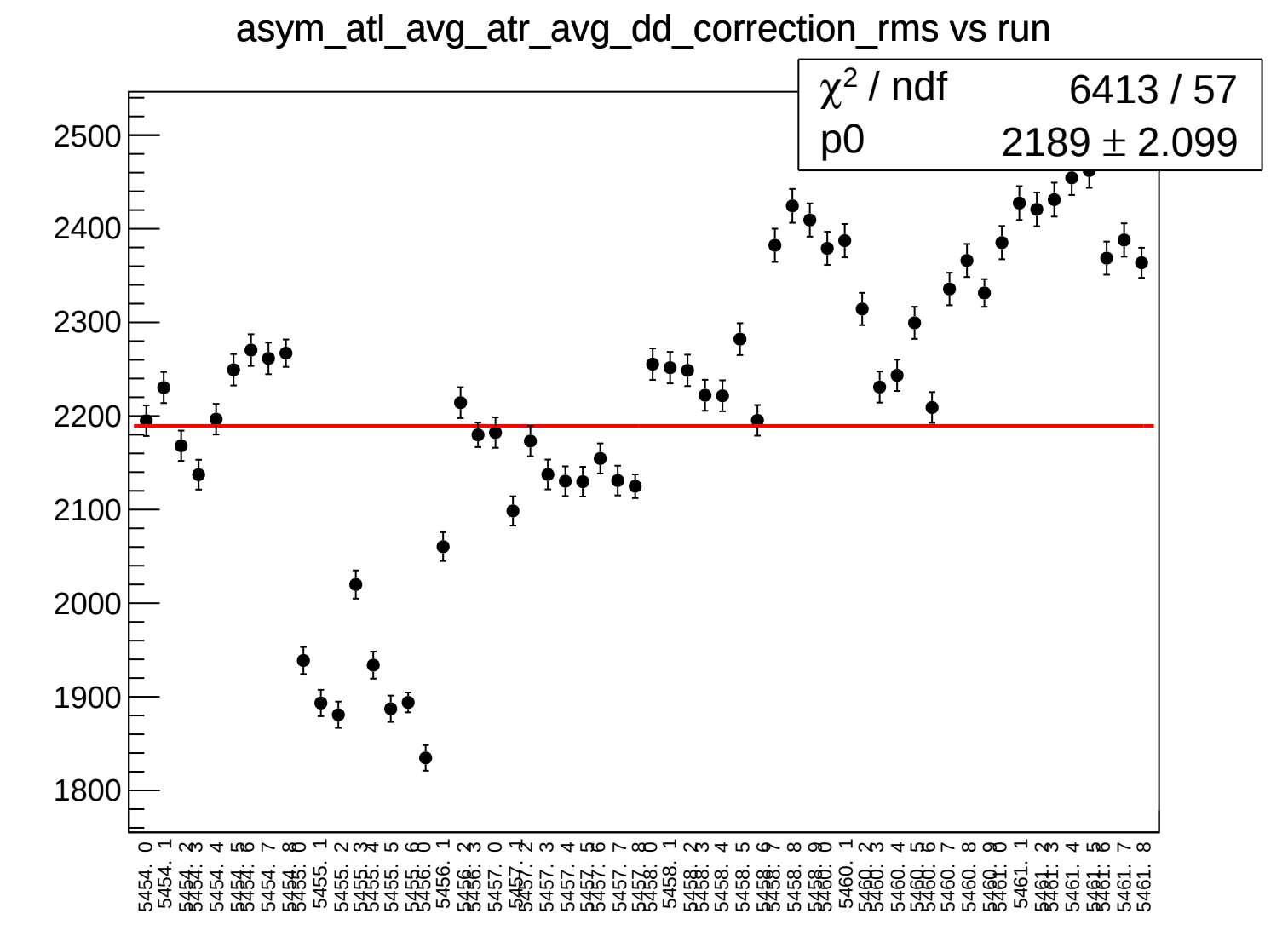

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ^2 / ndf 81.16 / 53
p0 −2575 ± 3225
pull
Entries 54
Mean 28.58
Std Dev 11.56

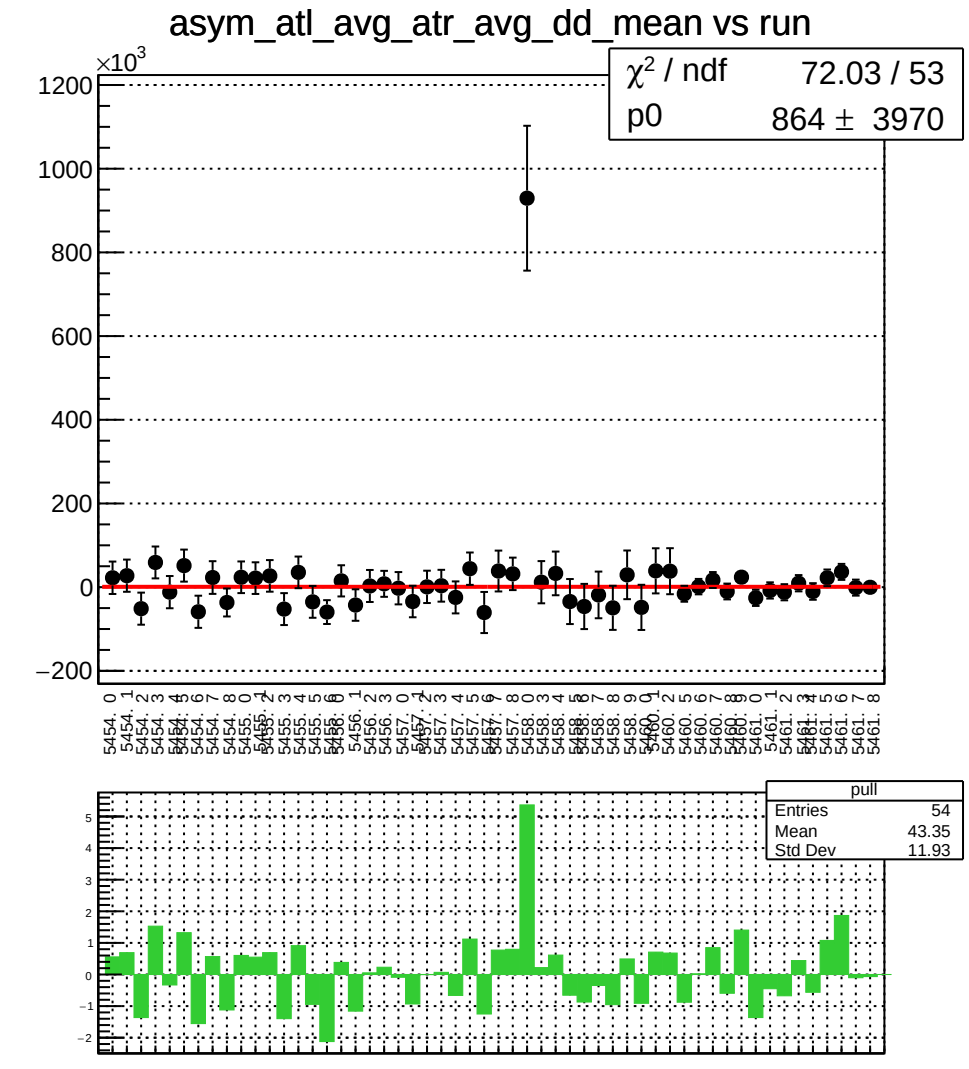

pull1D
Entries 54
Mean 0.06477
Std Dev 1.224

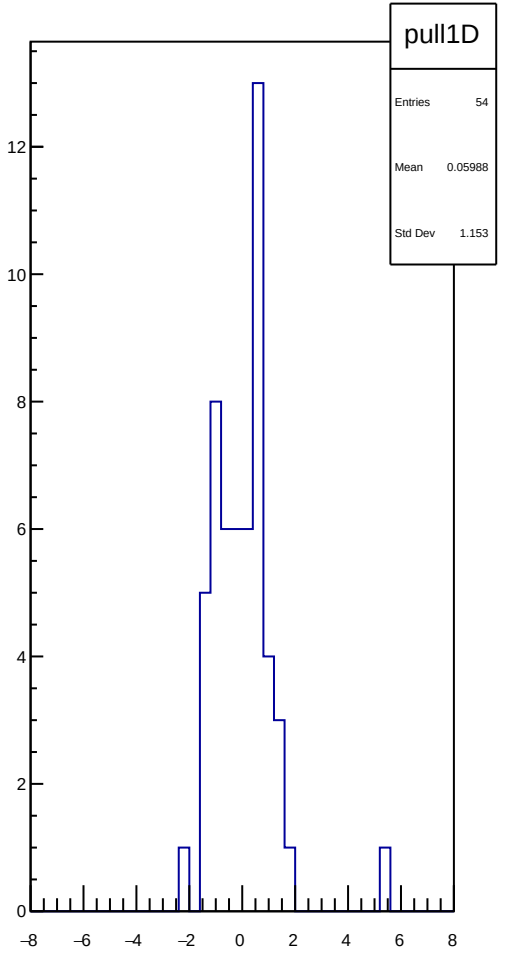

dit_asym_atl_avg_atr_avg_dd_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 2.265e+05 / 57
p0 2125 ± 2.281

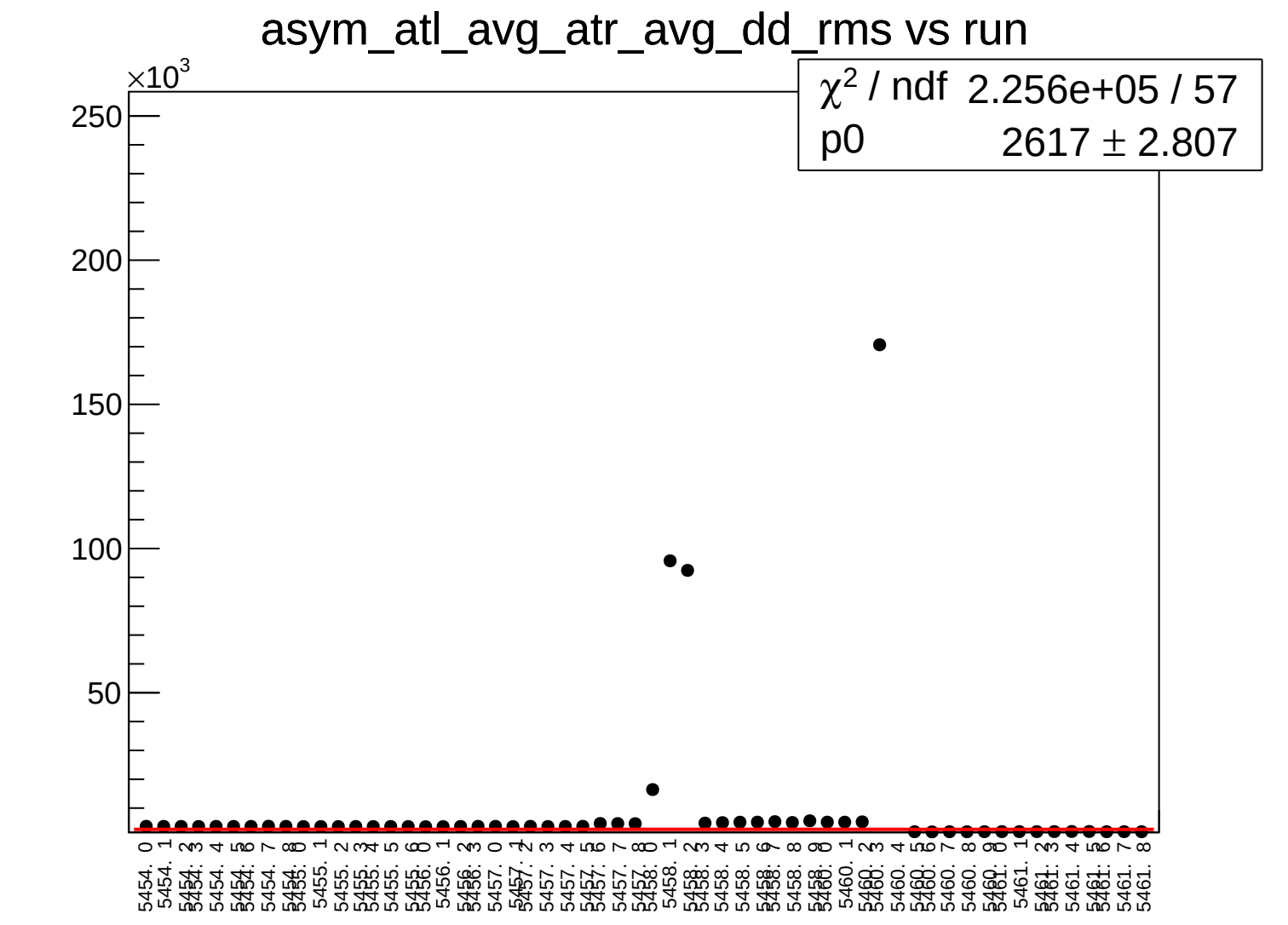

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 49.28 / 57
p0 −3464 ± 2968
pull
Entries 58
Mean 160.8
Std Dev 125

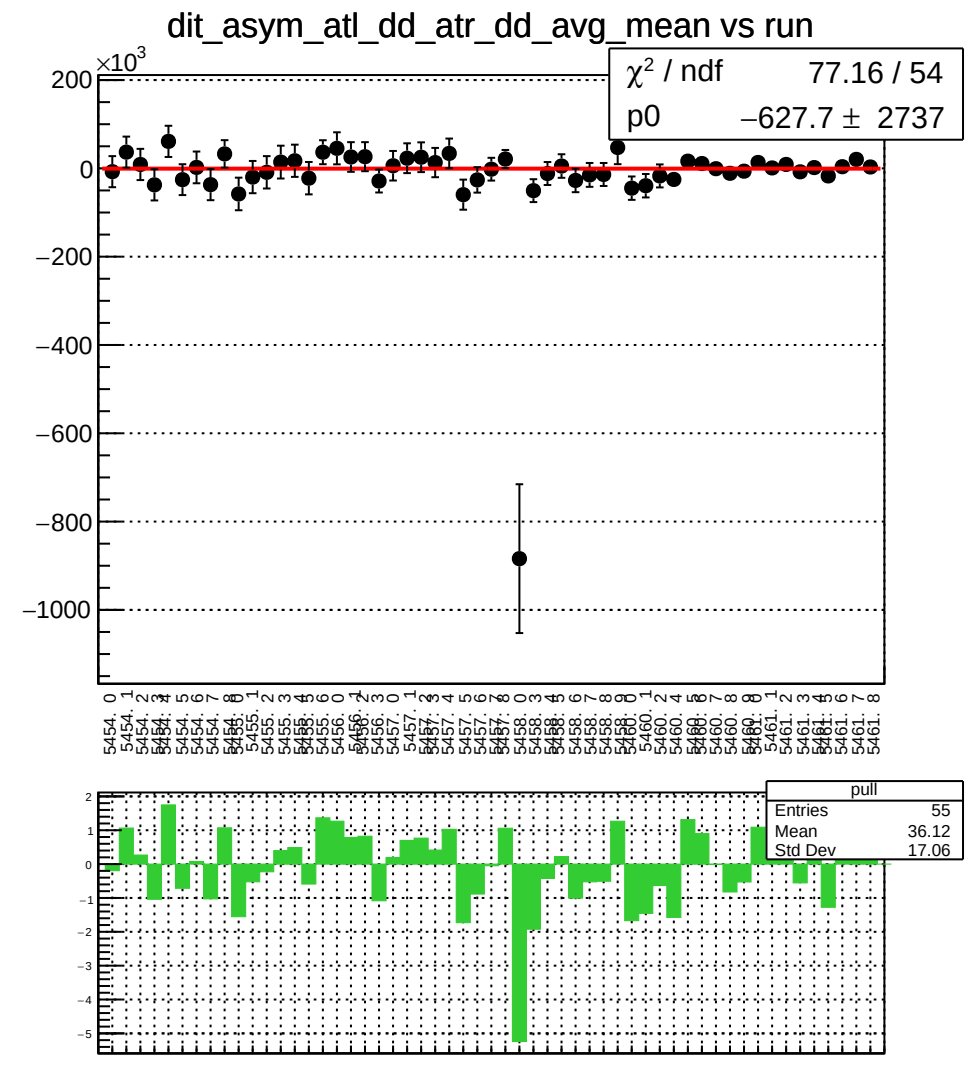

pull1D
Entries 58
Mean −0.009548
Std Dev 0.9217

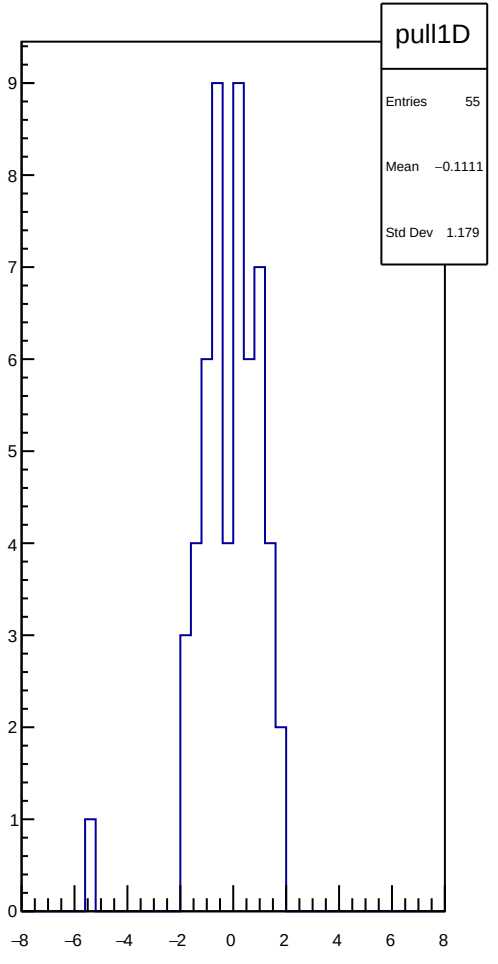

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 6413 / 57
p0 2189 ± 2.099
2500
2400
2300
2200
2100
2000
1900
1800

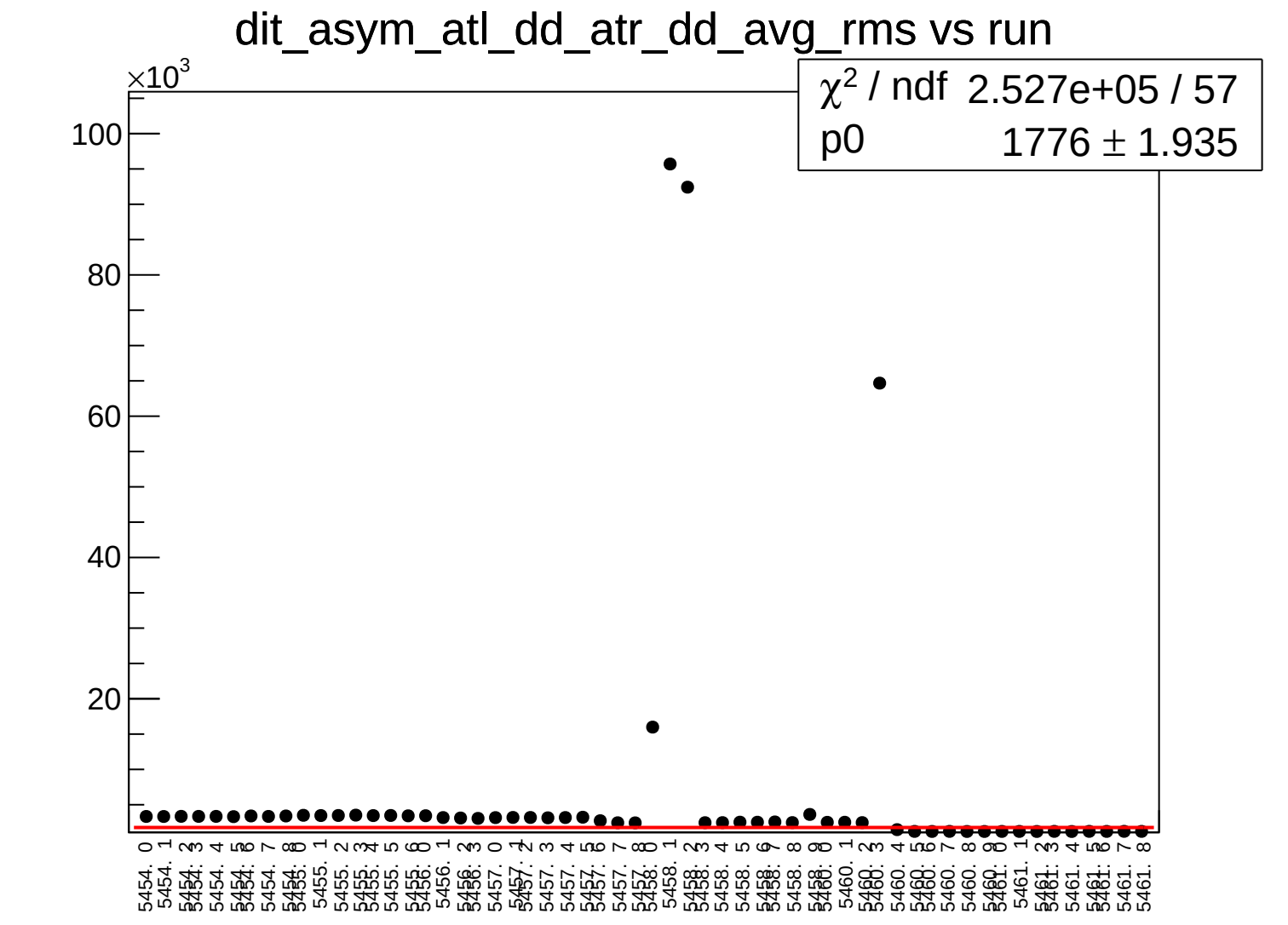

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 72.03 / 53
p0 864 ± 3970
1200
1000
800
600
400
200
0
−200
pull
Entries 54
Mean 43.35
Std Dev 11.93
5
4
3
2
1
0
−1
−2

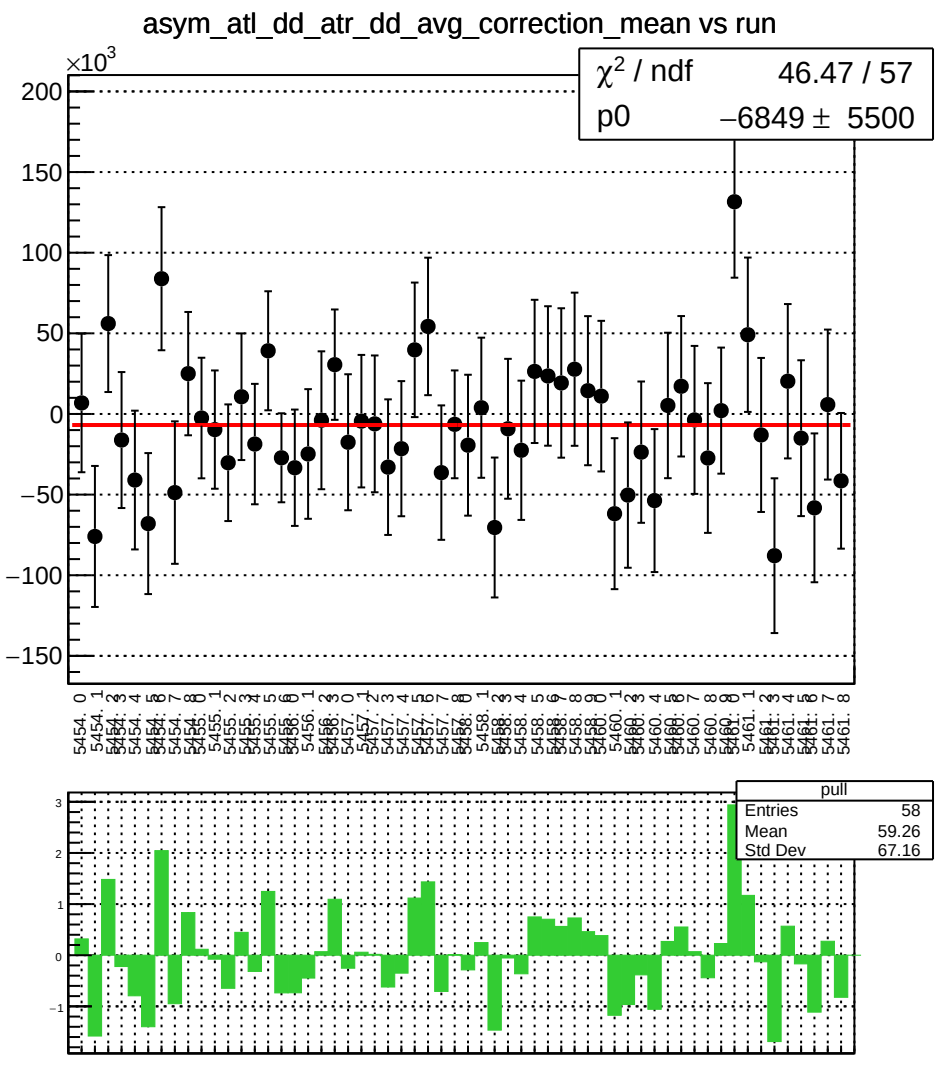

pull1D
Entries 54
Mean 0.05988
Std Dev 1.153
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

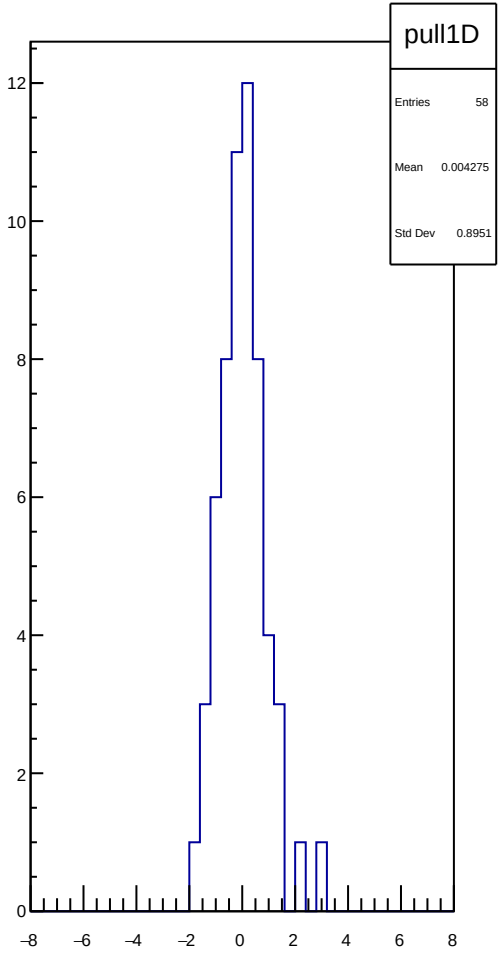

asym_atl_avg_atr_avg_dd_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 2.256e+05 / 57
p0 2617 ± 2.807
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

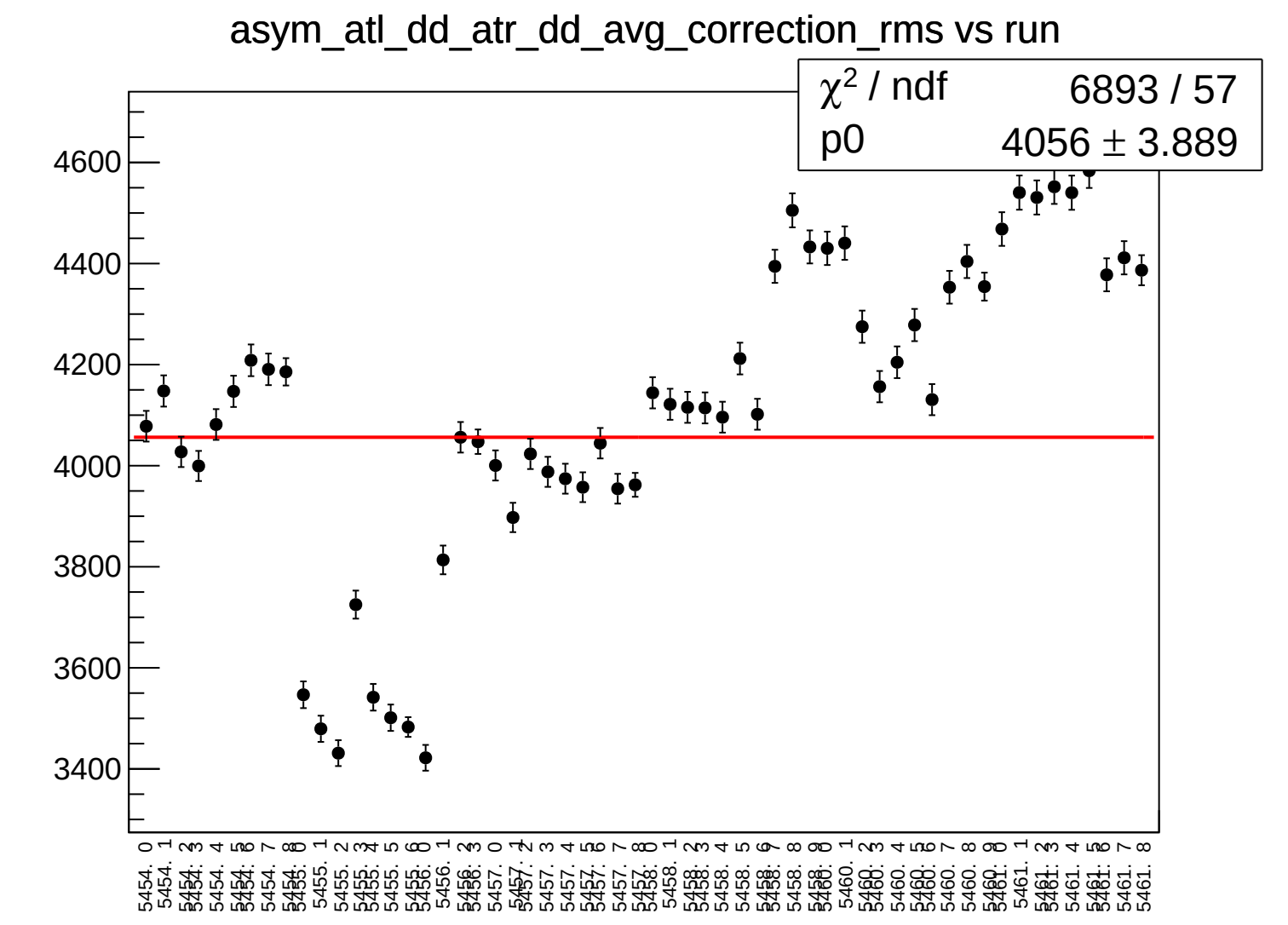

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 77.16 / 54
p0 −627.7 ± 2737
pull
Entries 55
Mean 36.12
Std Dev 17.06

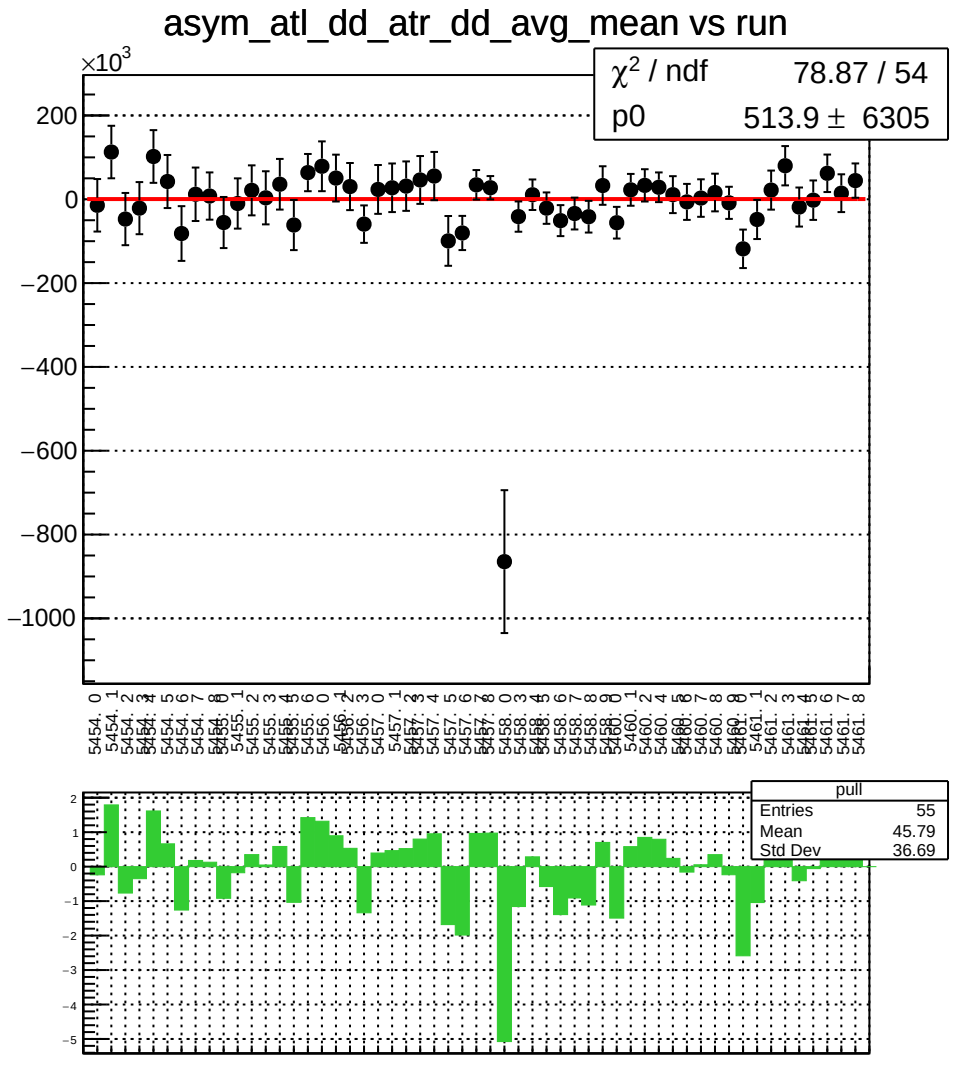

pull1D
Entries 55
Mean −0.1111
Std Dev 1.179

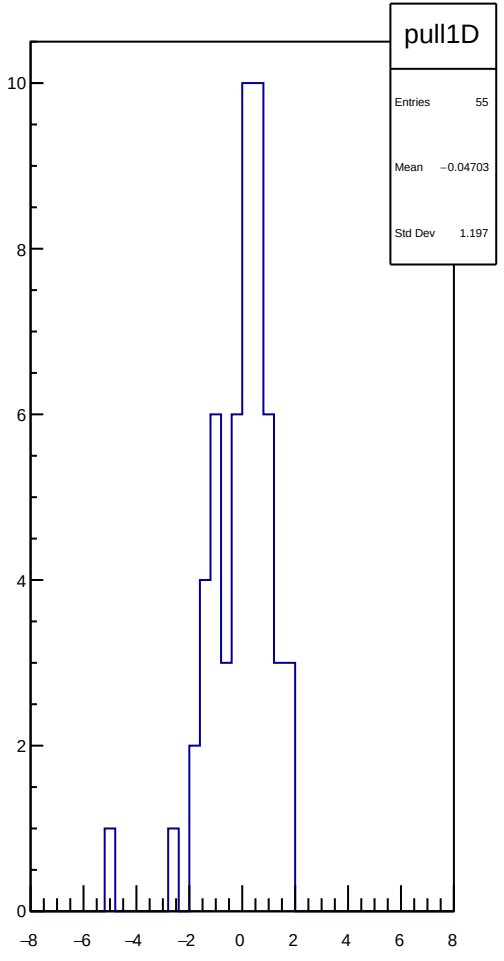

dit_asym_atl_dd_atr_dd_avg_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 2.527e+05 / 57
p0 1776 ± 1.935

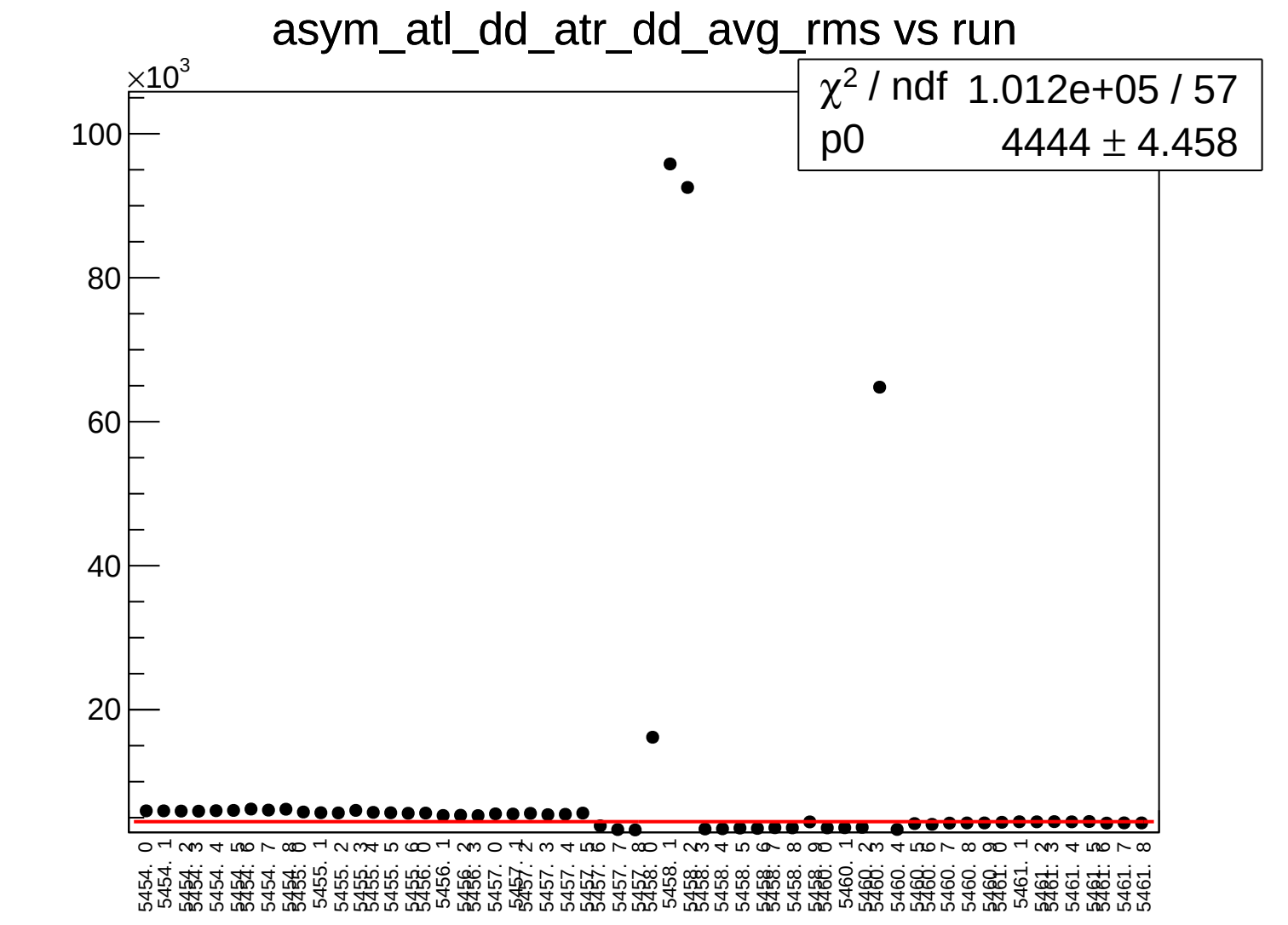

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 46.47 / 57
p0 −6849 ± 5500
pull
Entries 58
Mean 59.26
Std Dev 67.16

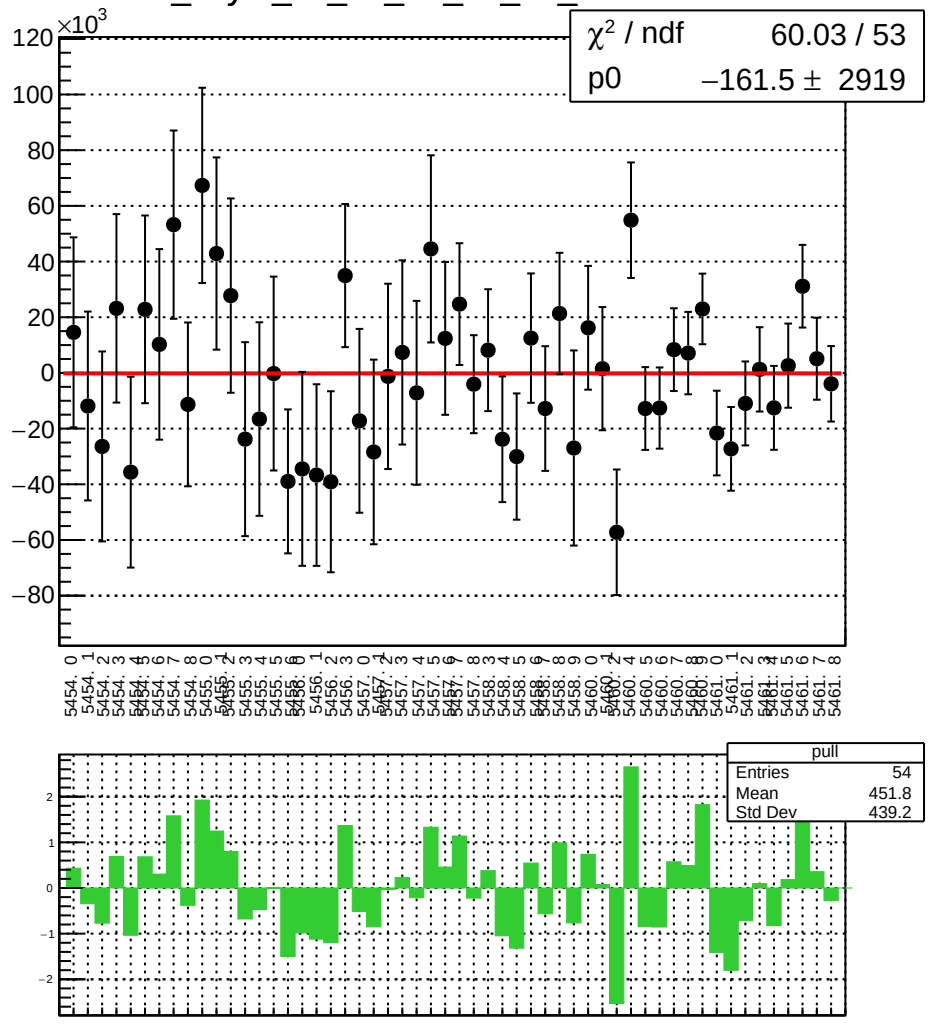

pull1D
Entries 58
Mean 0.004275
Std Dev 0.8951

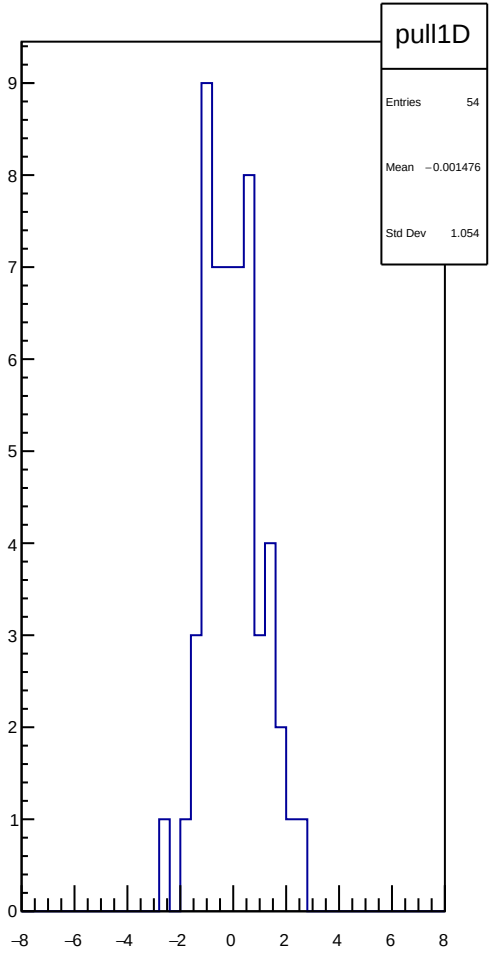

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 6893 / 57
p0 4056 ± 3.889
4600
4400
4200
4000
3800
3600
3400

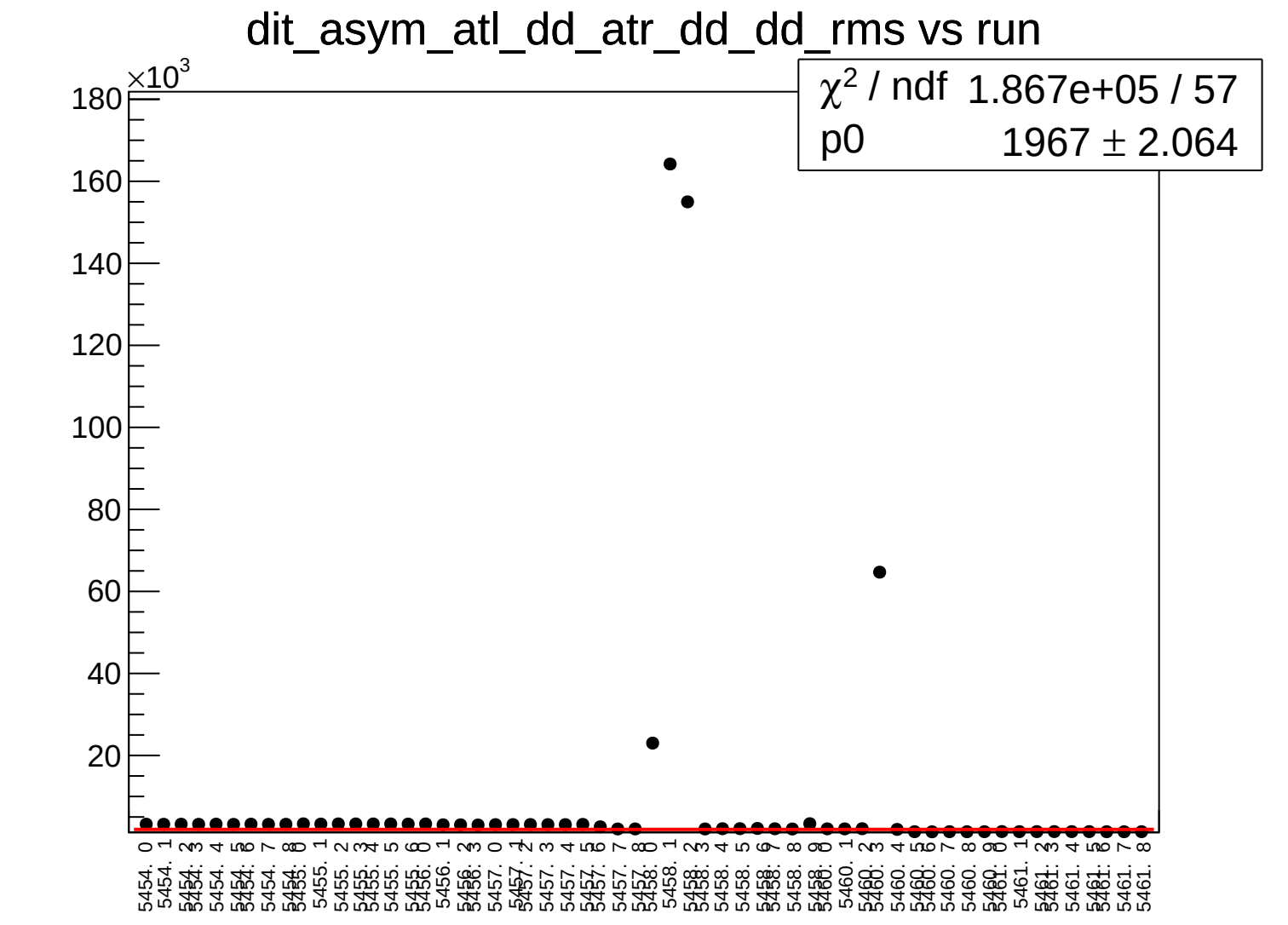

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 78.87 / 54
p0 513.9 ± 6305
200
0
−200
−400
−600
−800
−1000
pull
Entries 55
Mean 45.79
Std Dev 36.69
2
1
0
−1
−2
−3
−4
−5

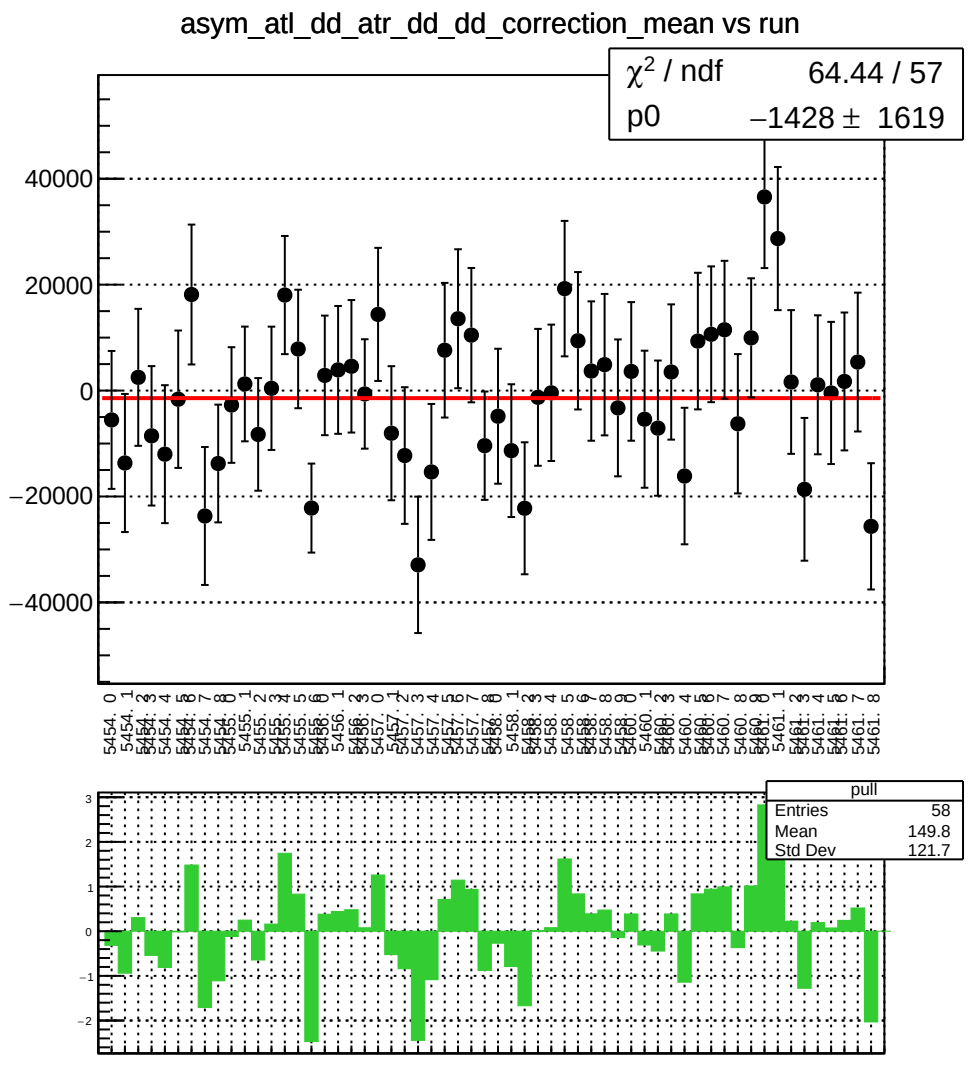

pull1D
Entries 55
Mean −0.04703
Std Dev 1.197
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

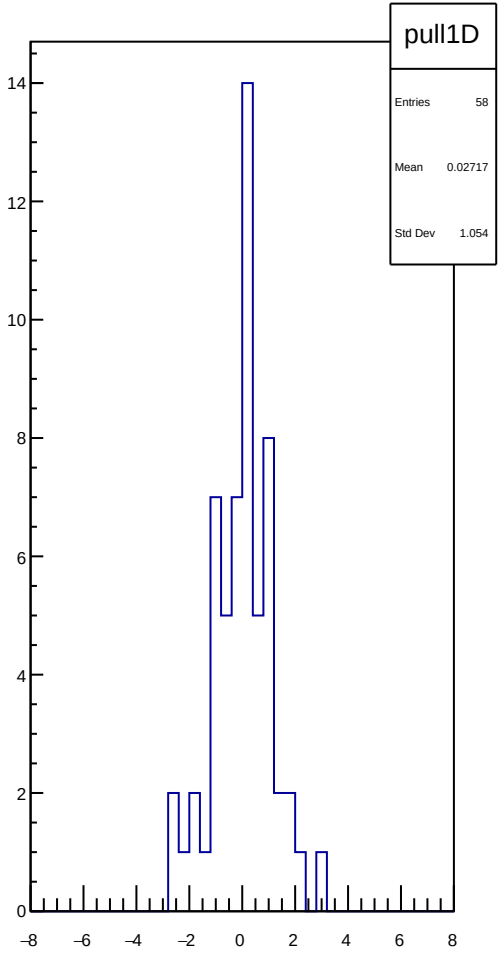

asym_atl_dd_atr_dd_avg_rms vs run
×10^3
100
80
60
40
20
χ² / ndf 1.012e+05 / 57
p0 4444 ± 4.458

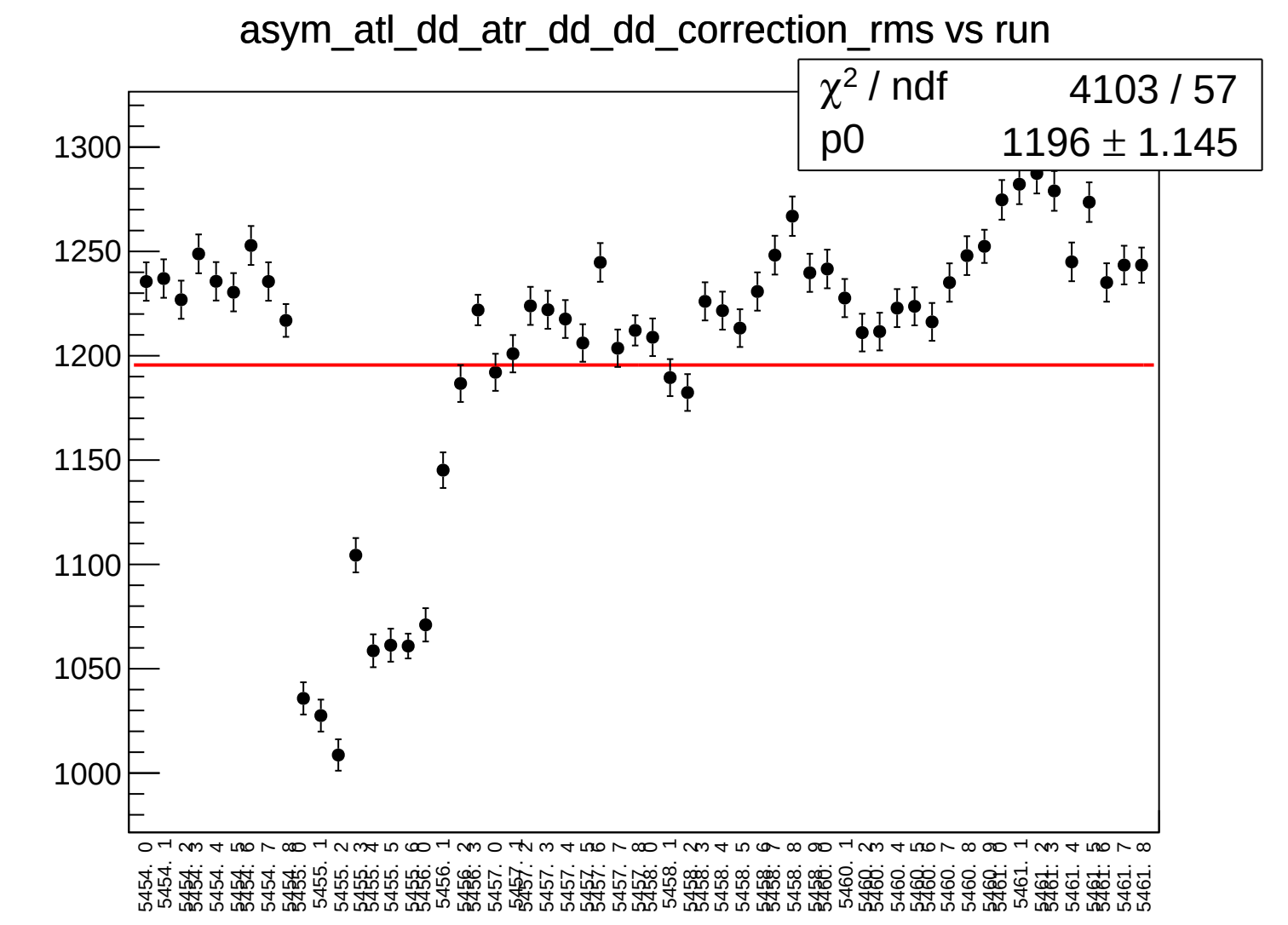

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 60.03 / 53
p0 −161.5 ± 2919
×10³
pull
Entries 54
Mean 451.8
Std Dev 439.2

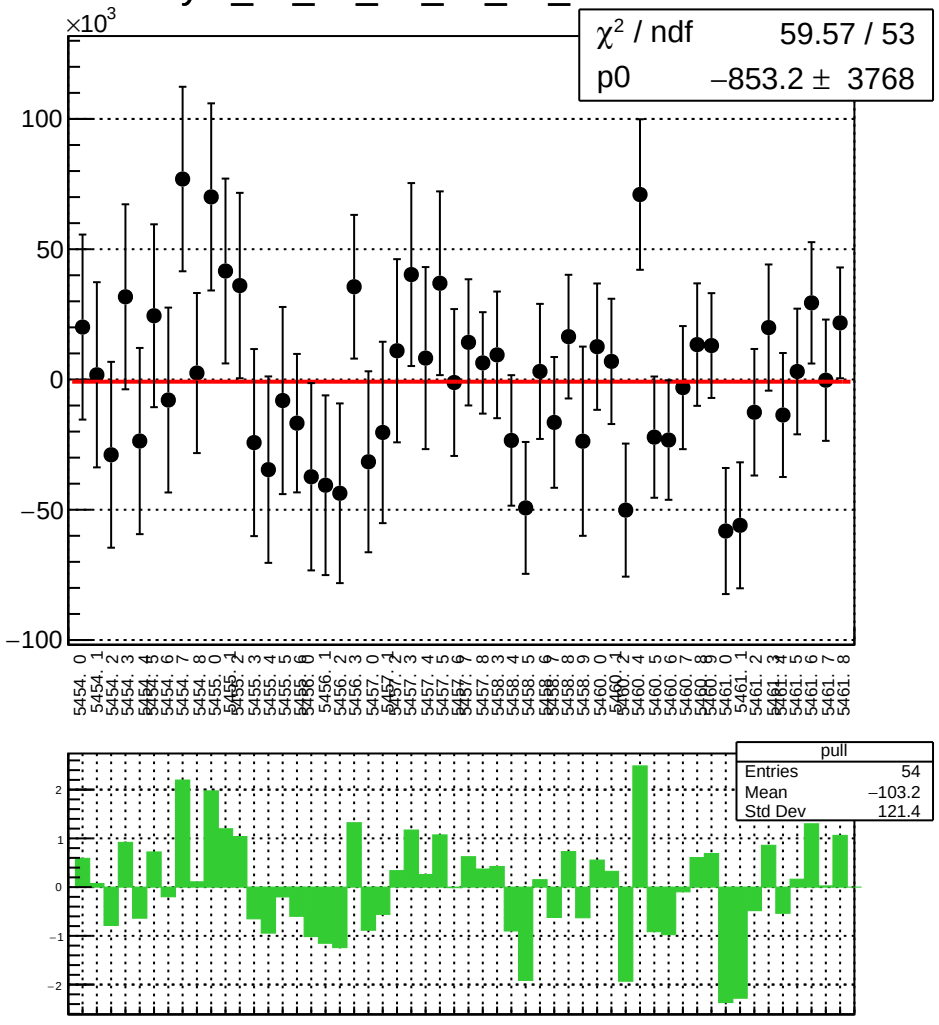

pull1D
Entries 54
Mean −0.001476
Std Dev 1.054

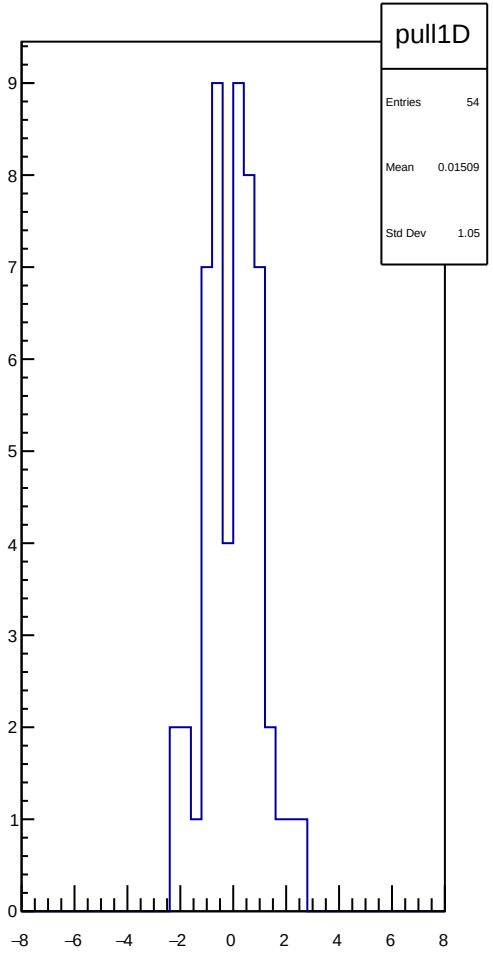

dit_asym_atl_dd_atr_dd_dd_rms vs run
×10^3
180
160
140
120
100
80
60
40
20
χ² / ndf 1.867e+05 / 57
p0 1967 ± 2.064
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

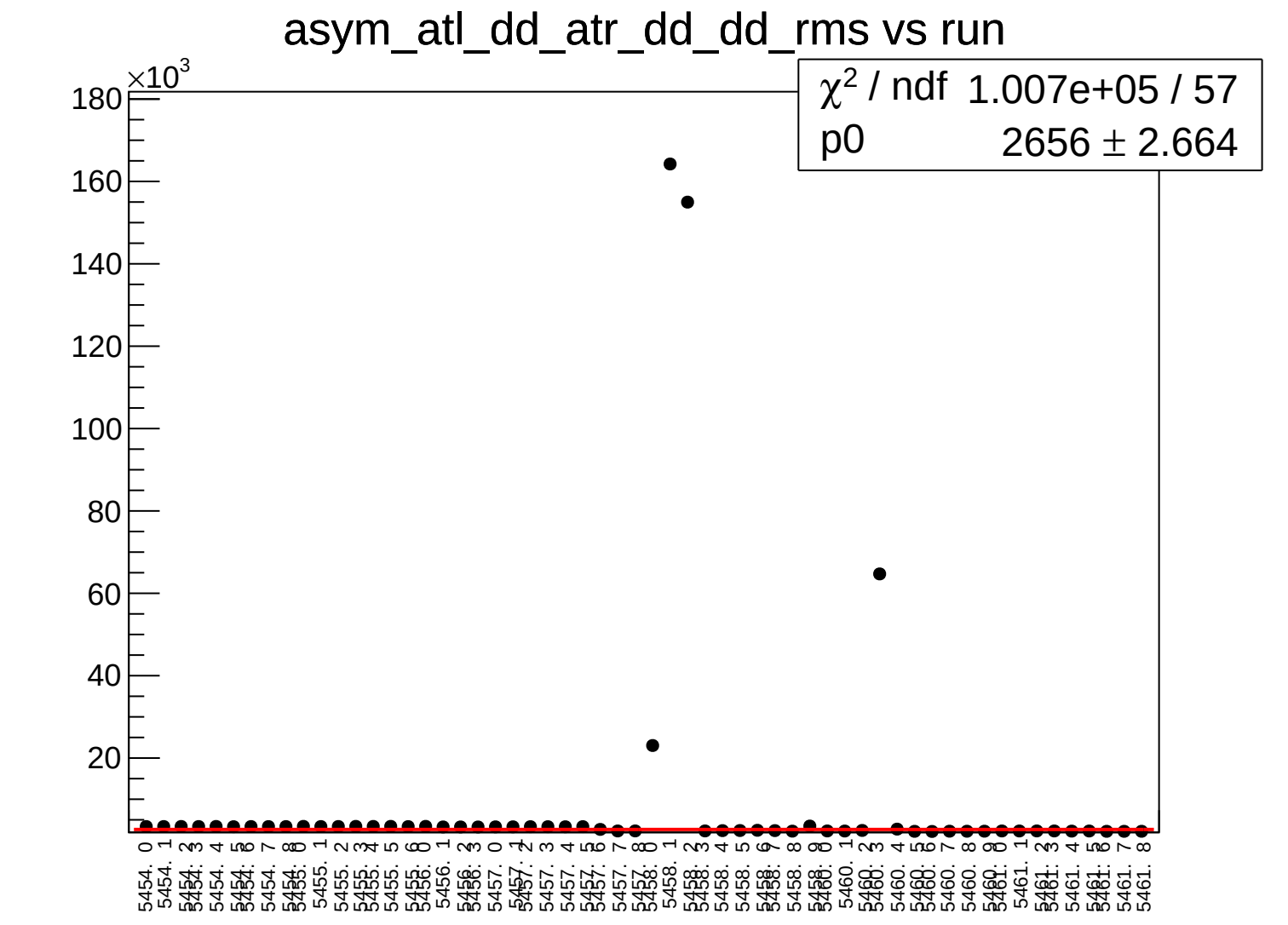

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 64.44 / 57
p0 −1428 ± 1619
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 149.8
Std Dev 121.7
3
2
1
0
−1
−2

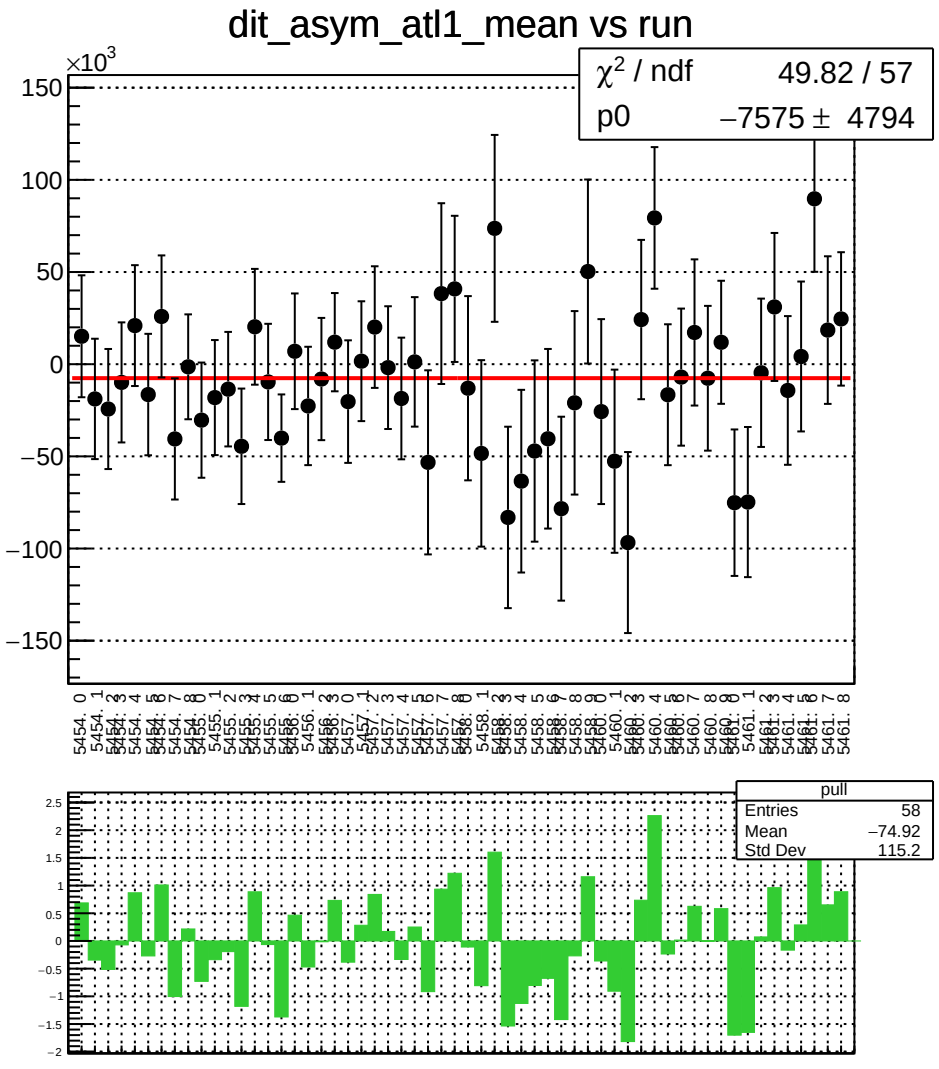

pull1D
Entries 58
Mean 0.02717
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

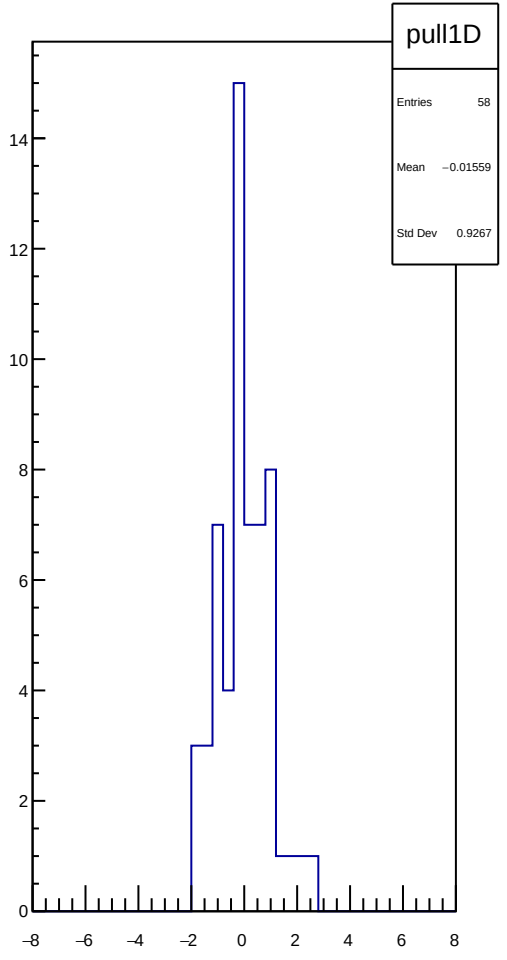

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4103 / 57
p0 1196 ± 1.145
1300
1250
1200
1150
1100
1050
1000

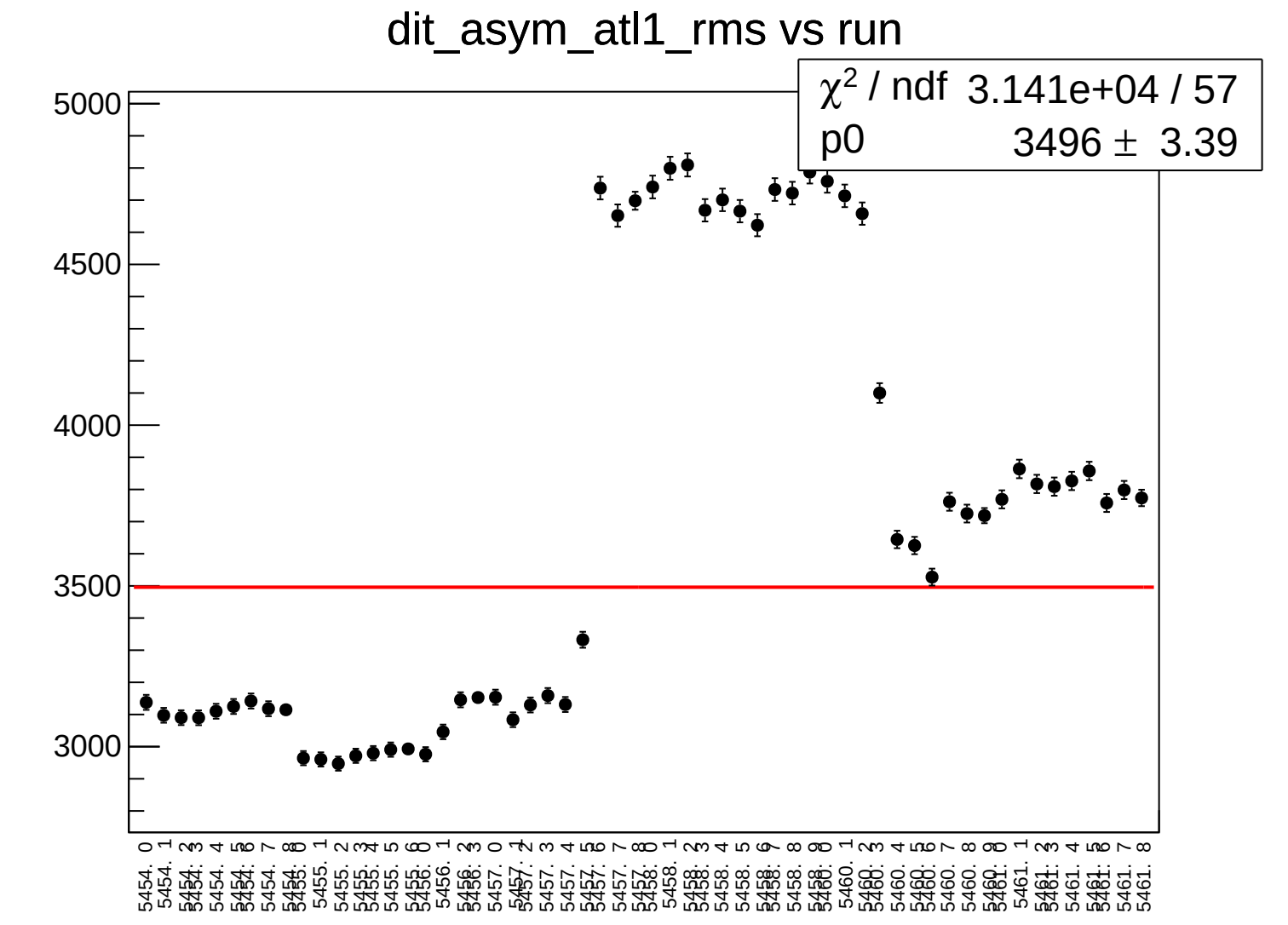

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 59.57 / 53
p0 −853.2 ± 3768
pull
Entries 54
Mean −103.2
Std Dev 121.4

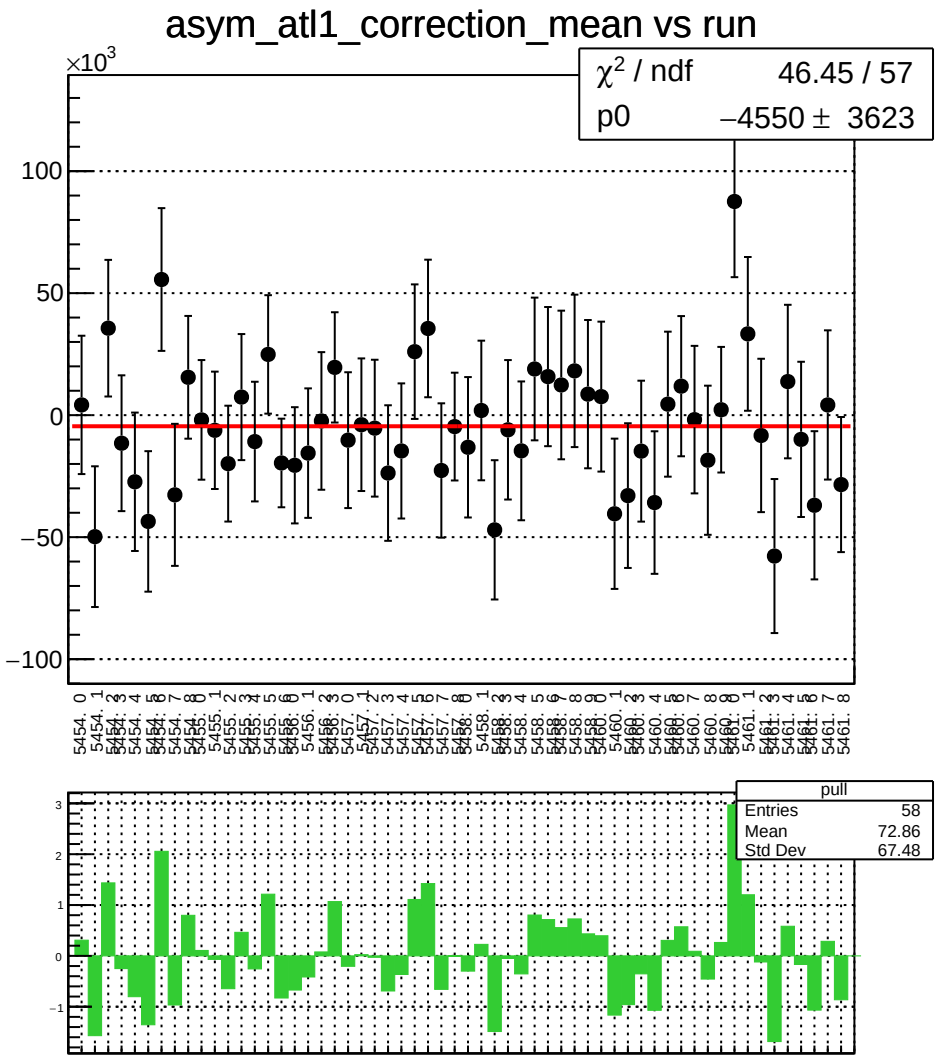

pull1D
Entries 54
Mean 0.01509
Std Dev 1.05

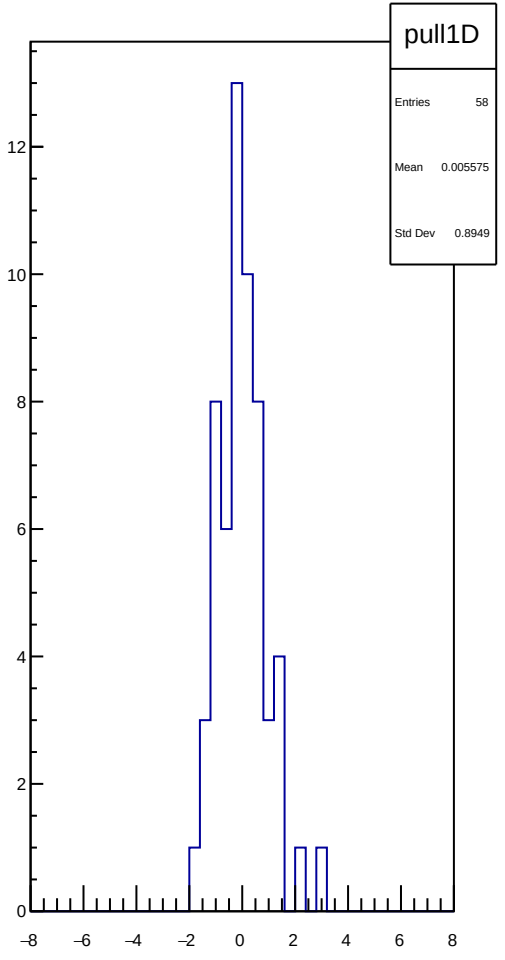

asym_atl_dd_atr_dd_dd_rms vs run
×10^3
180
160
140
120
100
80
60
40
20
χ² / ndf 1.007e+05 / 57
p0 2656 ± 2.664

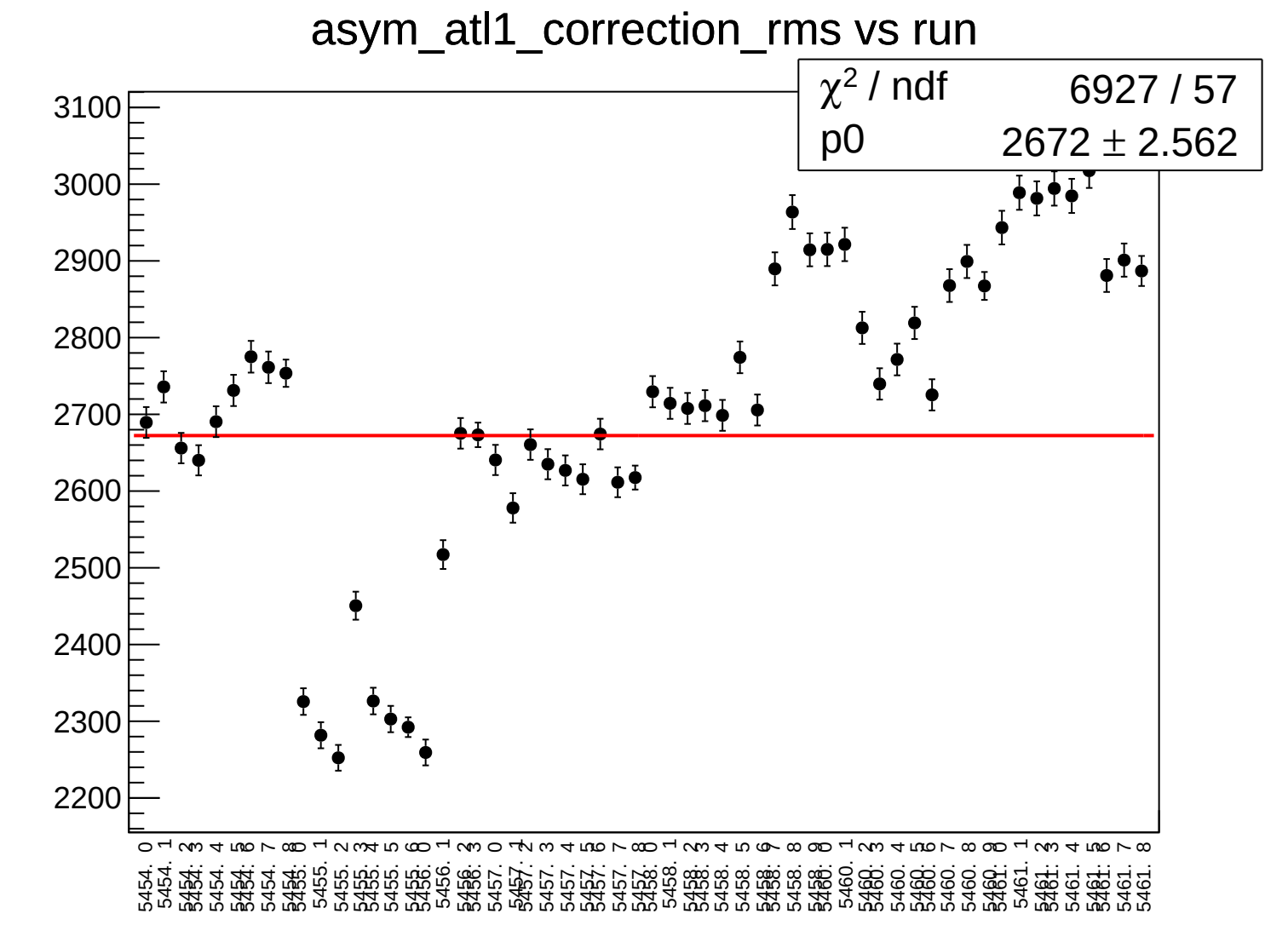

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 49.82 / 57
p0 −7575 ± 4794
150
100
50
0
−50
−100
−150
pull
Entries 58
Mean −74.92
Std Dev 115.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

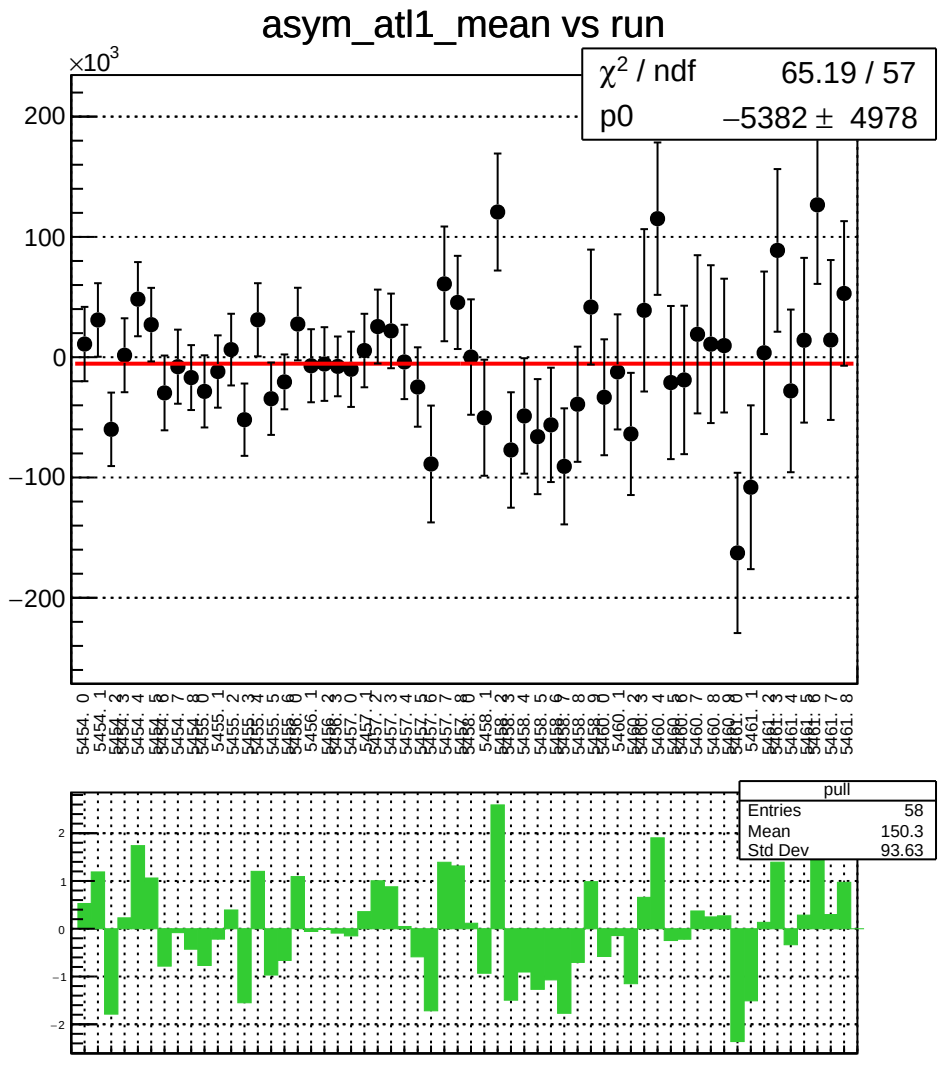

pull1D
Entries 58
Mean −0.01559
Std Dev 0.9267
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

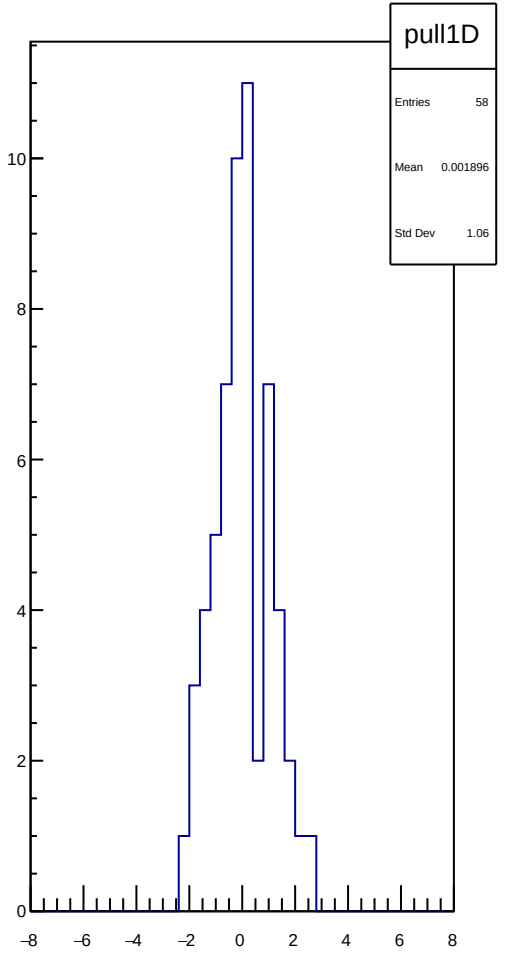

dit_asym_atl1_rms vs run
χ² / ndf 3.141e+04 / 57
p0 3496 ± 3.39
5000
4500
4000
3500
3000

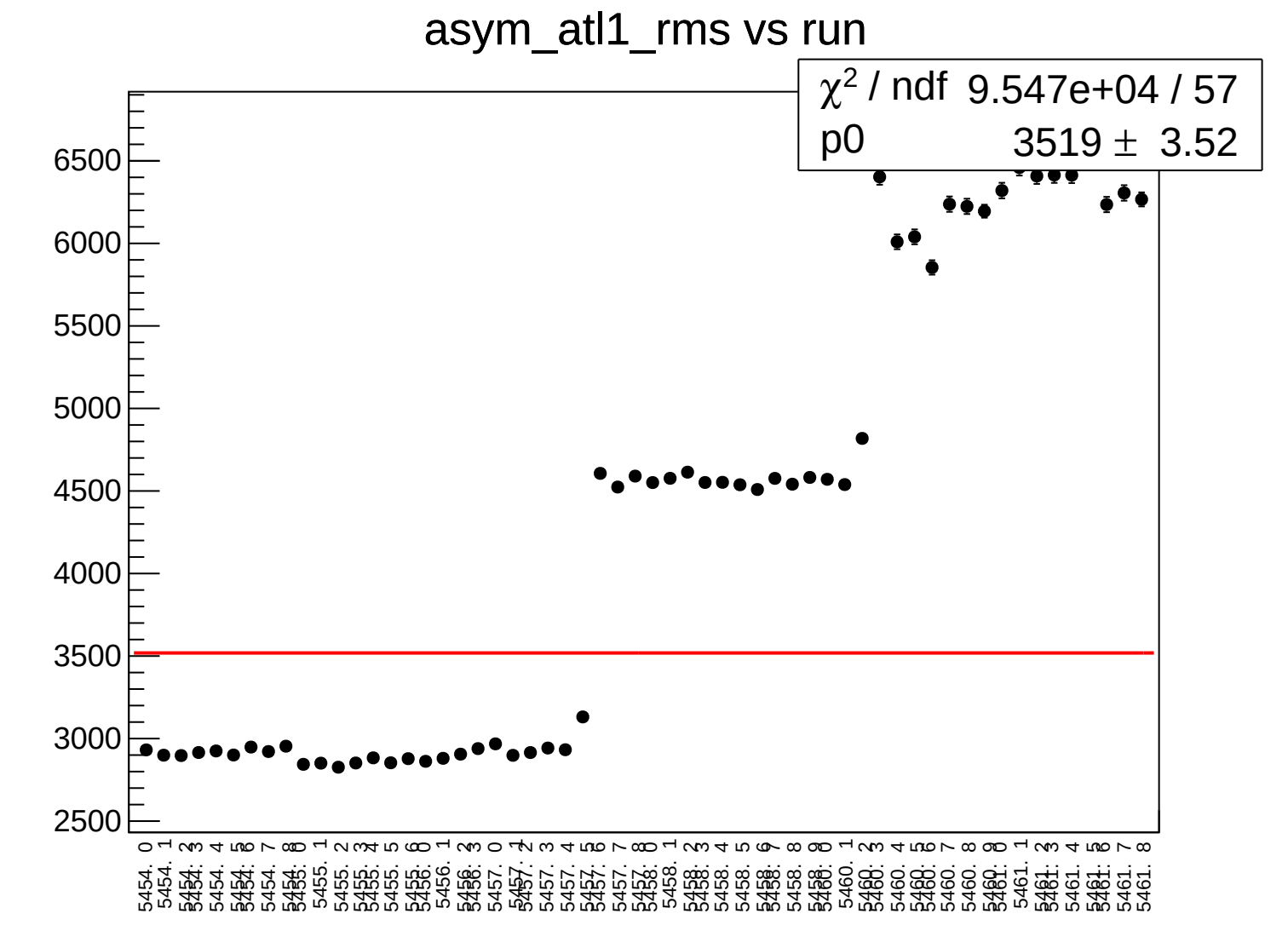

asym_atl1_correction_mean vs run
×10^3
χ² / ndf 46.45 / 57
p0 −4550 ± 3623
100
50
0
−50
−100
pull
Entries 58
Mean 72.86
Std Dev 67.48
3
2
1
0
−1

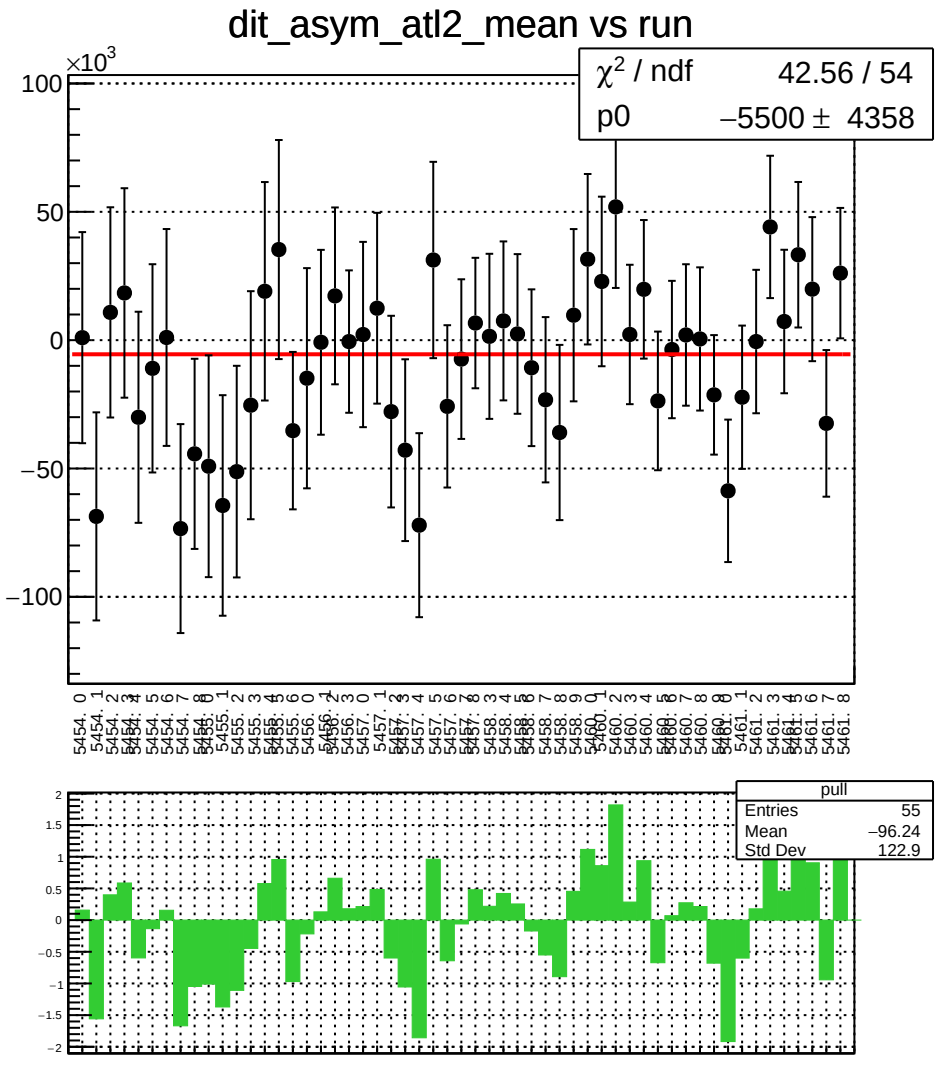

pull1D
Entries 58
Mean 0.005575
Std Dev 0.8949
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

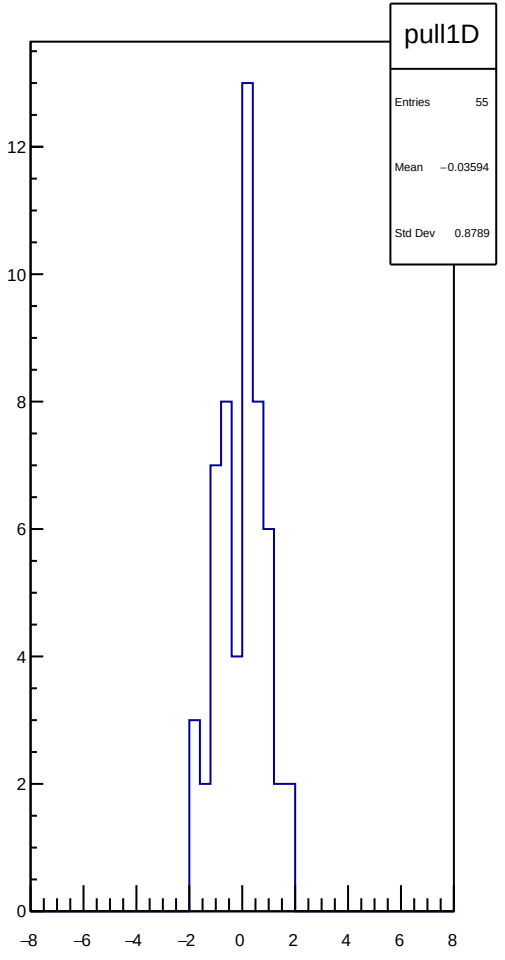

asym_atl1_correction_rms vs run
χ² / ndf 6927 / 57
p0 2672 ± 2.562
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

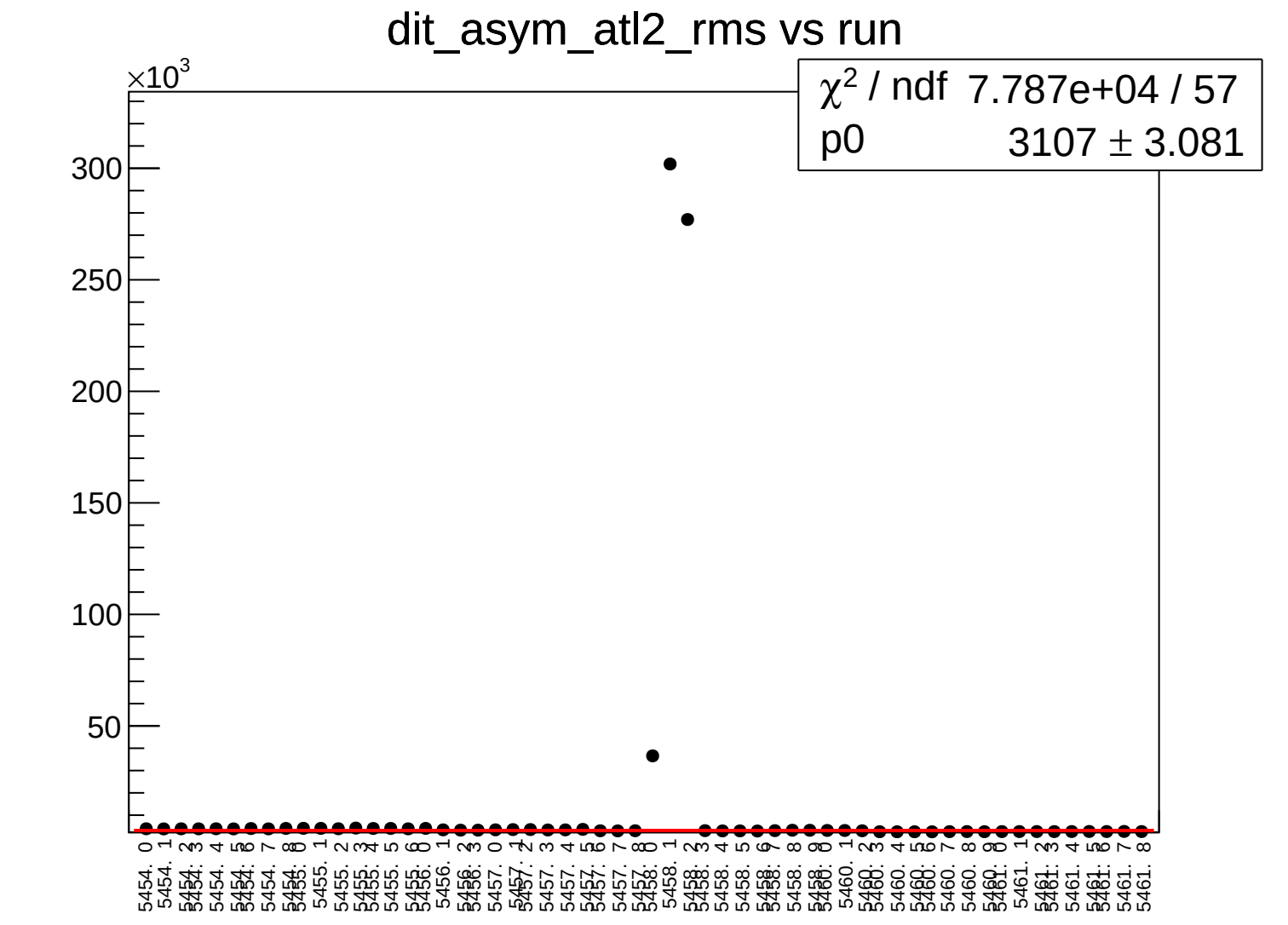

asym_atl1_mean vs run
×10^3
χ² / ndf 65.19 / 57
p0 −5382 ± 4978
200
100
0
−100
−200
pull
Entries 58
Mean 150.3
Std Dev 93.63
2
1
0
−1
−2

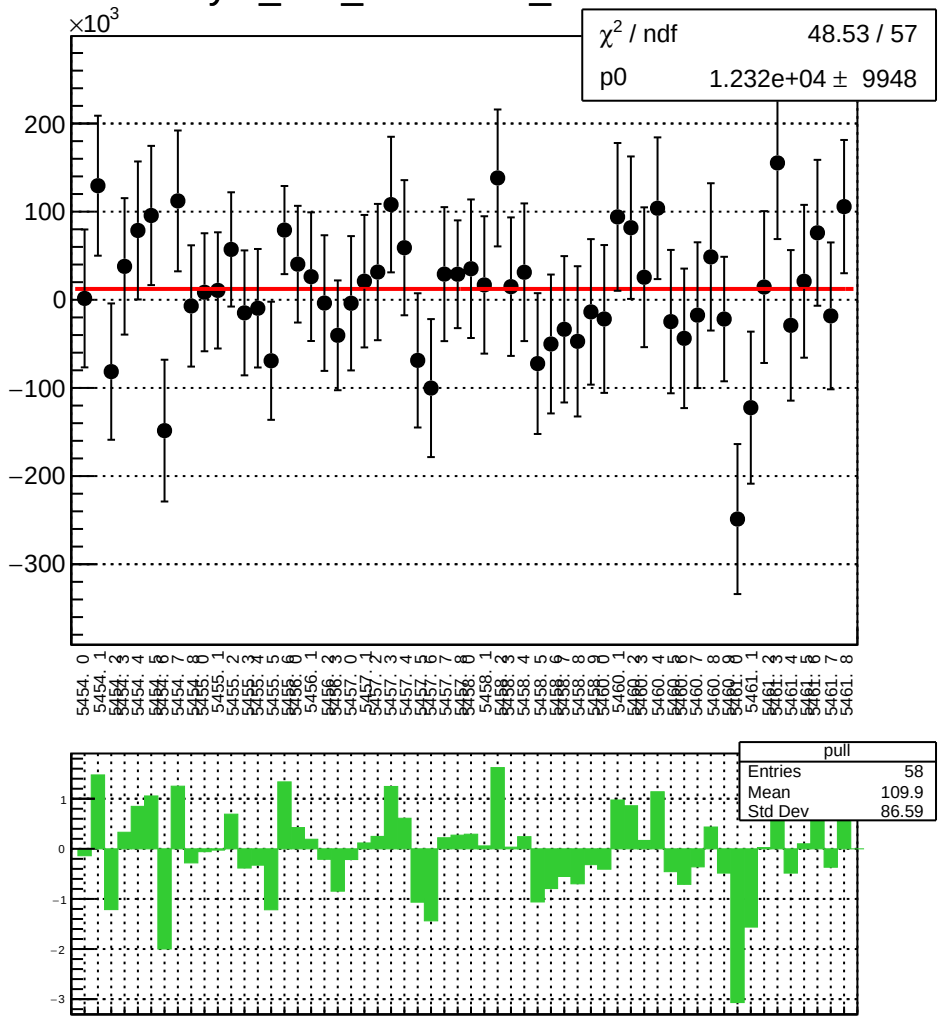

pull1D
Entries 58
Mean 0.001896
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

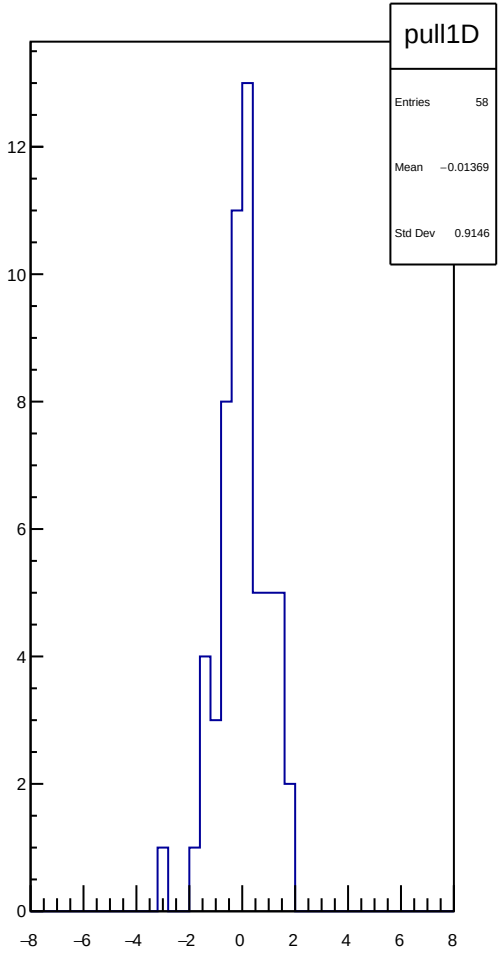

asym_atl1_rms vs run
χ² / ndf 9.547e+04 / 57
p0 3519 ± 3.52
6500
6000
5500
5000
4500
4000
3500
3000
2500

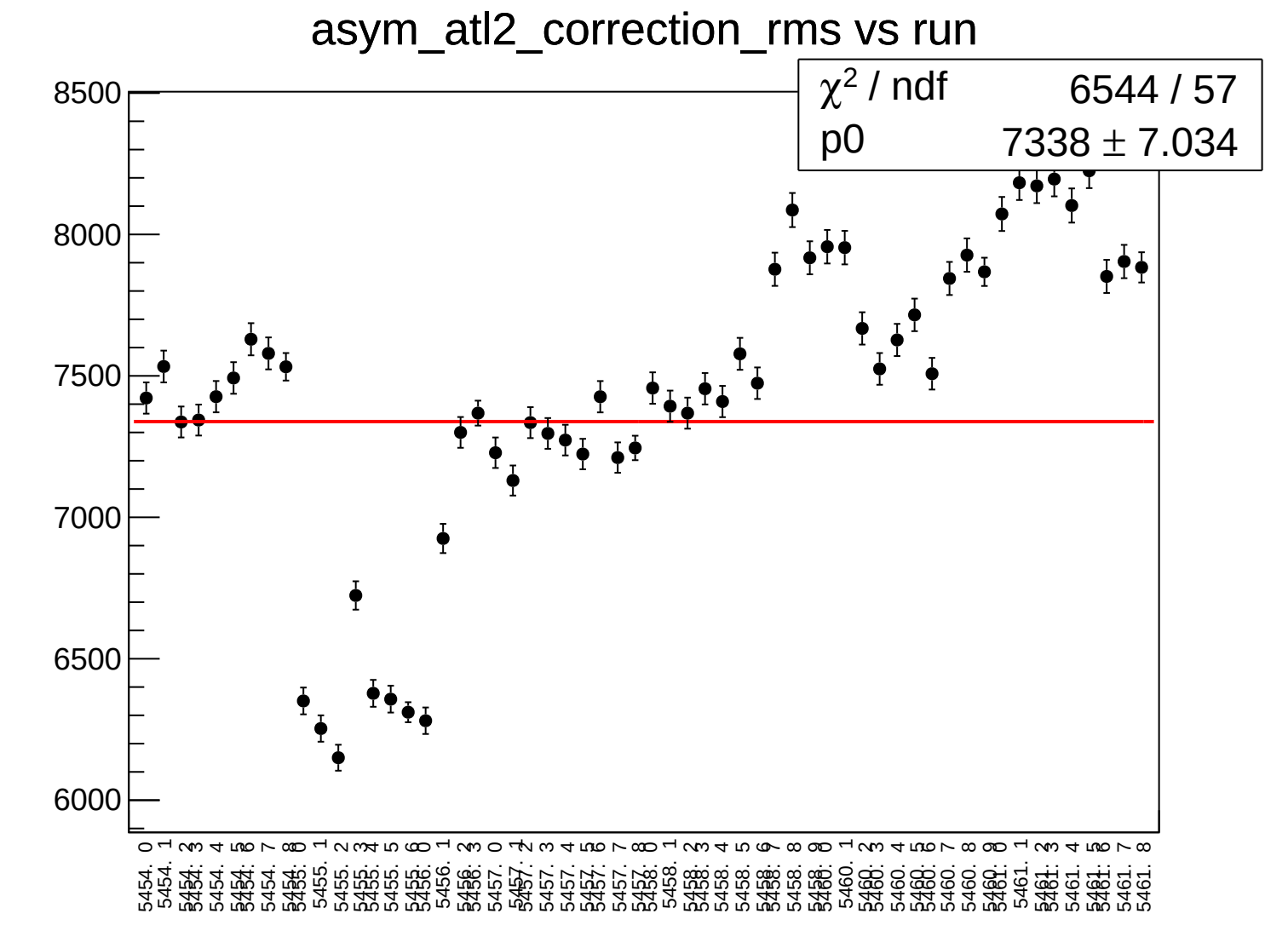

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 42.56 / 54
p0 −5500 ± 4358
pull
Entries 55
Mean −96.24
Std Dev 122.9

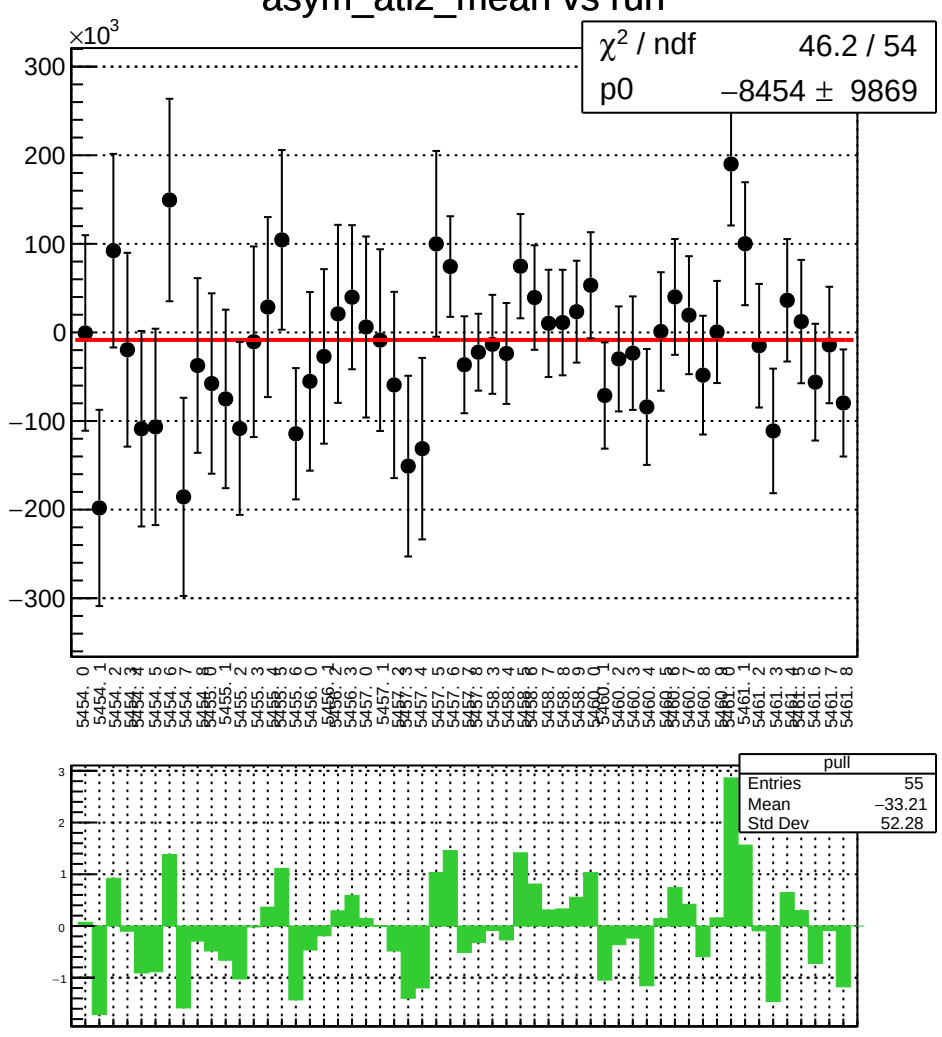

pull1D
Entries 55
Mean −0.03594
Std Dev 0.8789

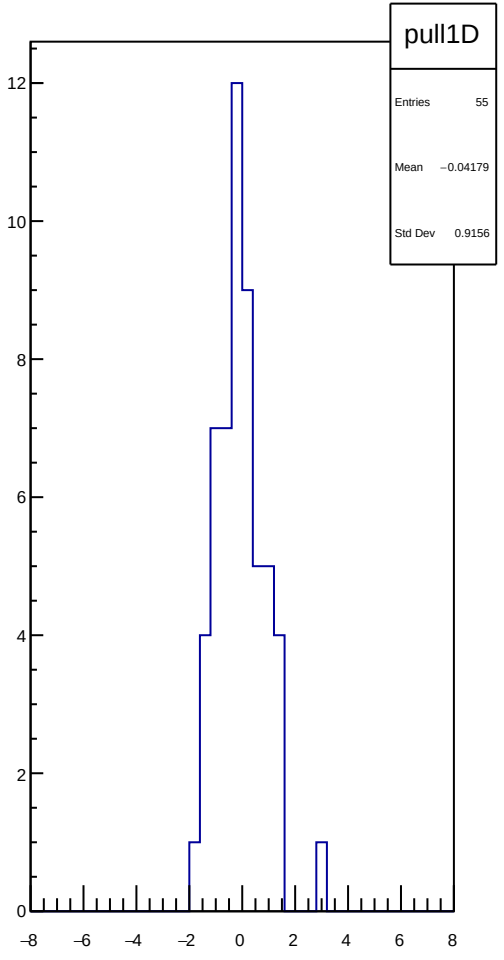

dit_asym_atl2_rms vs run
×10^3
χ^2 / ndf 7.787e+04 / 57
p0 3107 ± 3.081
300
250
200
150
100
50

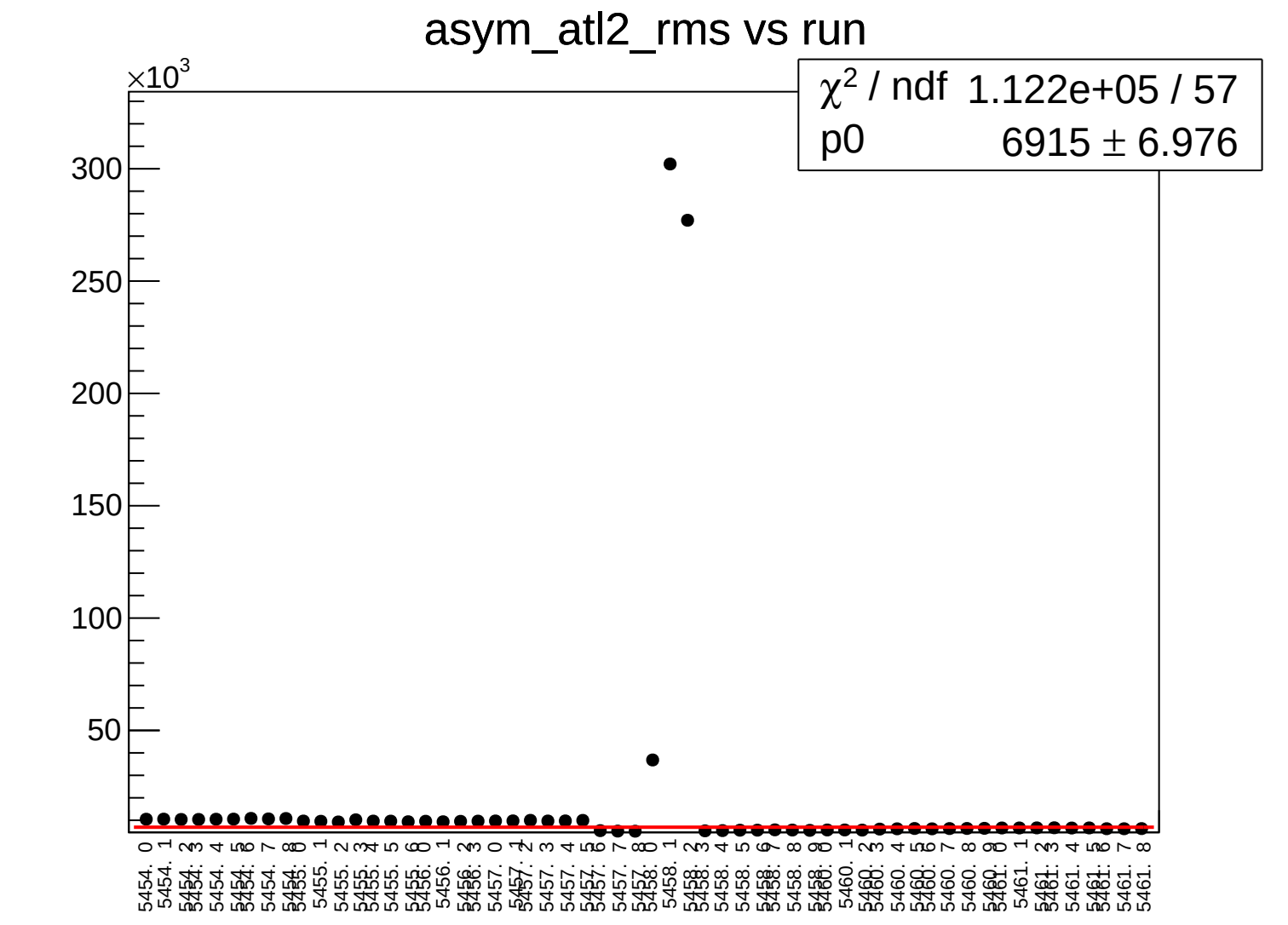

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 48.53 / 57
p0 1.232e+04 ± 9948
200
100
0
−100
−200
−300
pull
Entries 58
Mean 109.9
Std Dev 86.59
1
0
−1
−2
−3

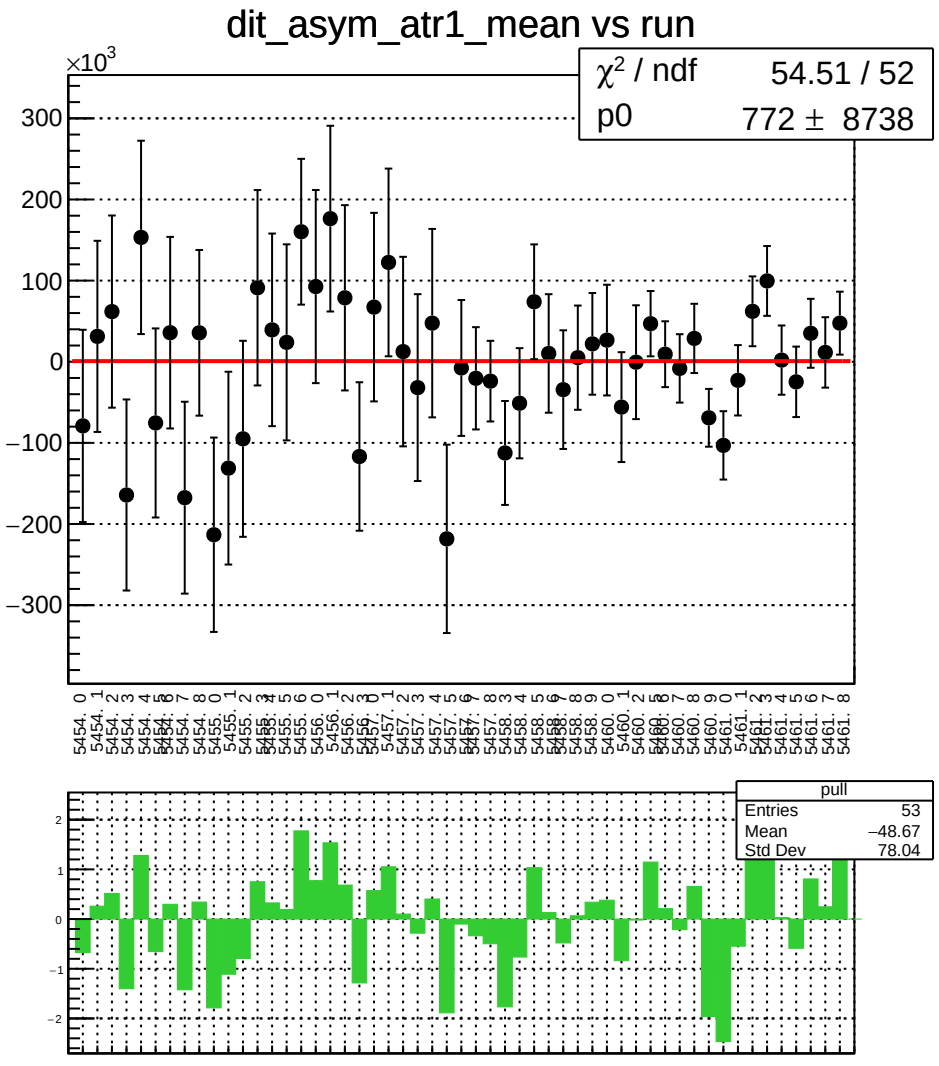

pull1D
Entries 58
Mean −0.01369
Std Dev 0.9146
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

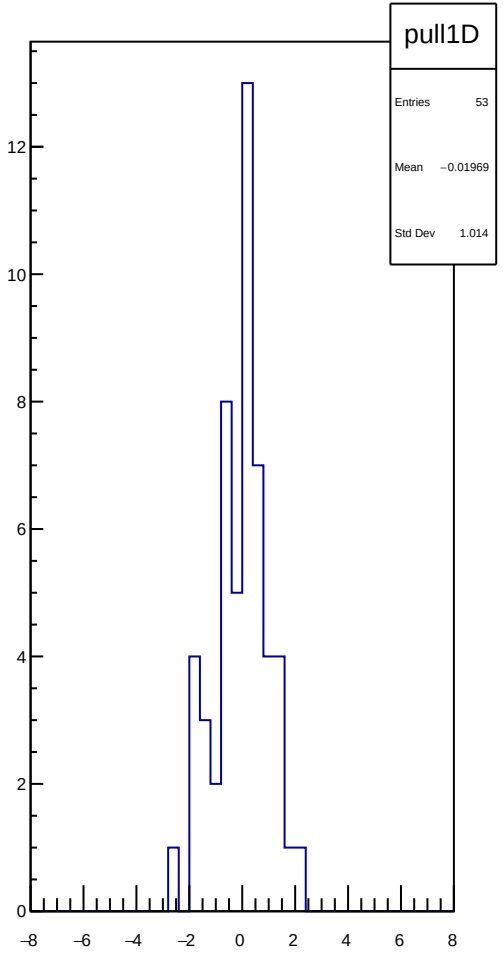

asym_atl2_correction_rms vs run
χ² / ndf 6544 / 57
p0 7338 ± 7.034
8500
8000
7500
7000
6500
6000

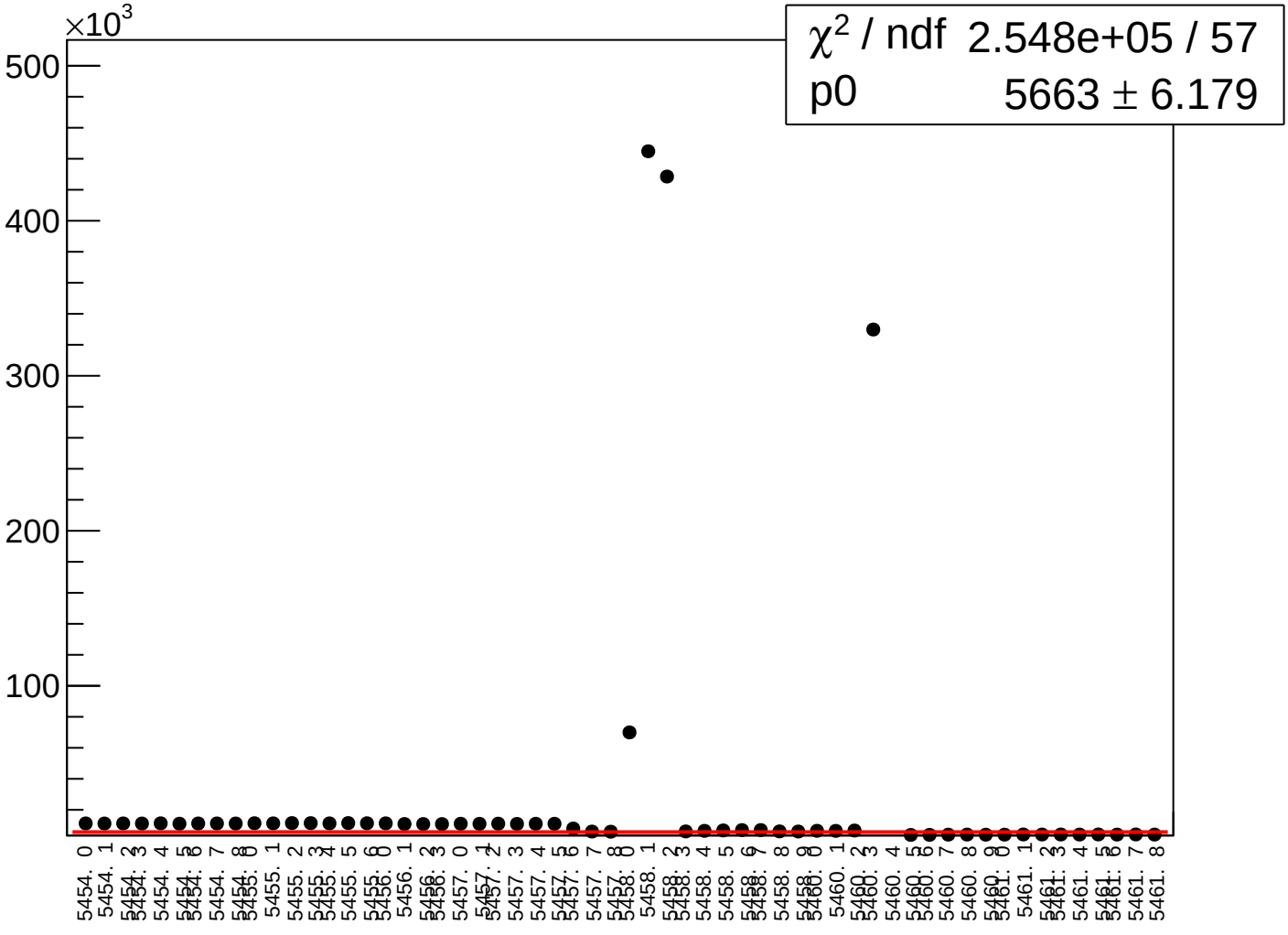

asym_atl2_mean vs run
×10^3
χ² / ndf 46.2 / 54
p0 −8454 ± 9869
pull
Entries 55
Mean −33.21
Std Dev 52.28

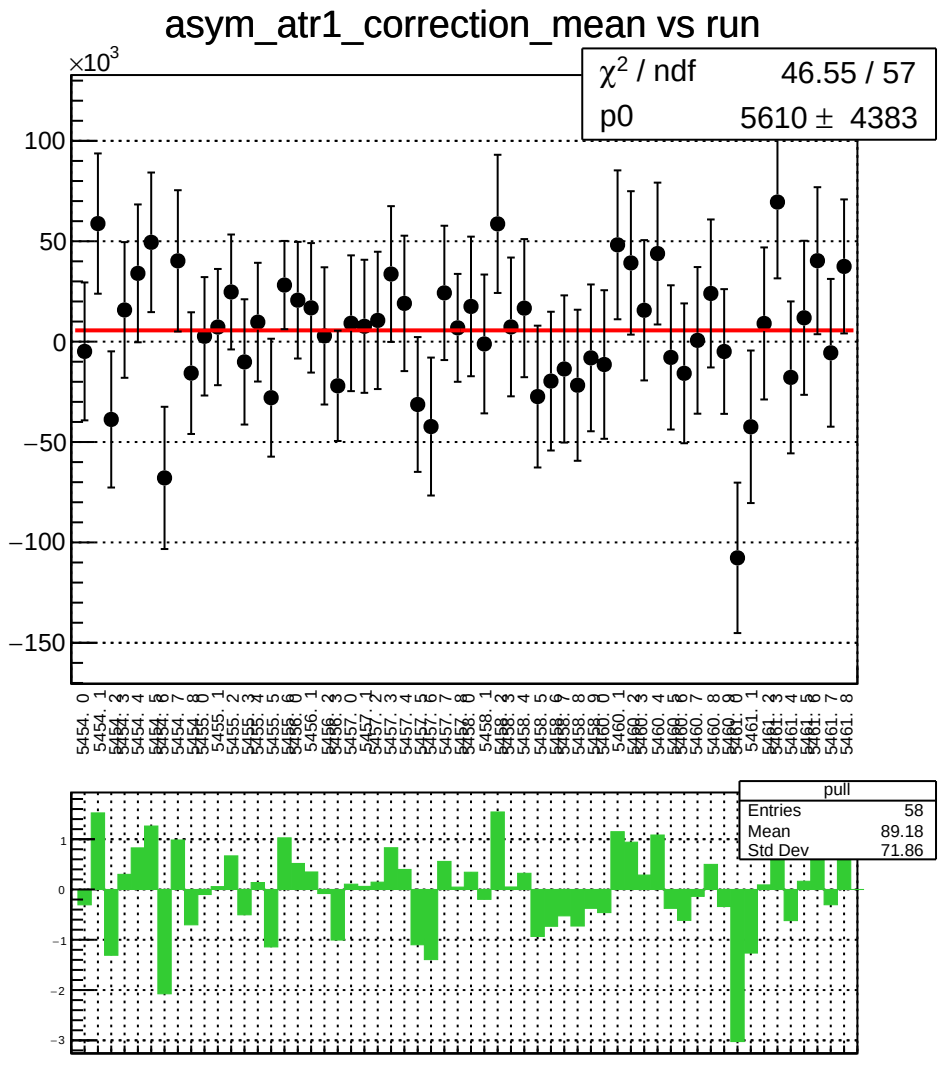

pull1D
Entries 55
Mean −0.04179
Std Dev 0.9156

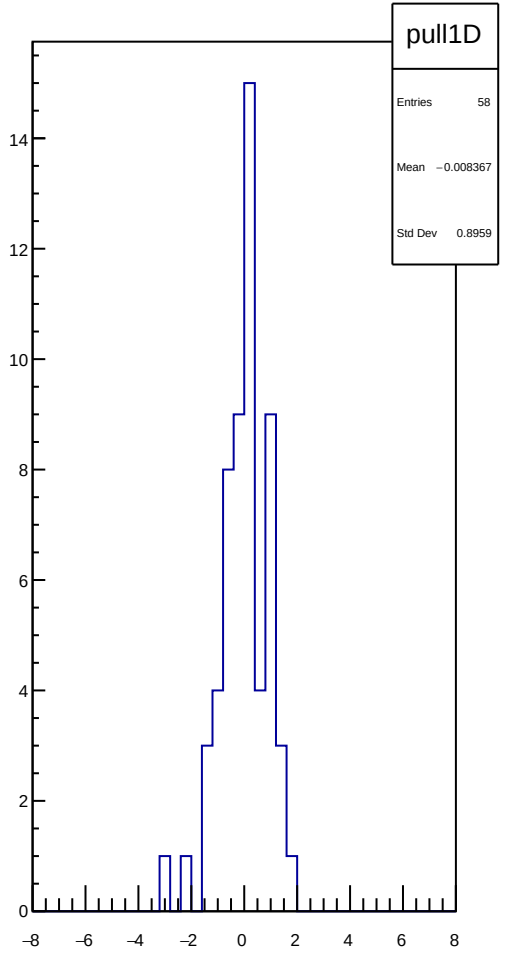

asym_atl2_rms vs run
×10^3
χ^2 / ndf 1.122e+05 / 57
p0 6915 ± 6.976
300
250
200
150
100
50

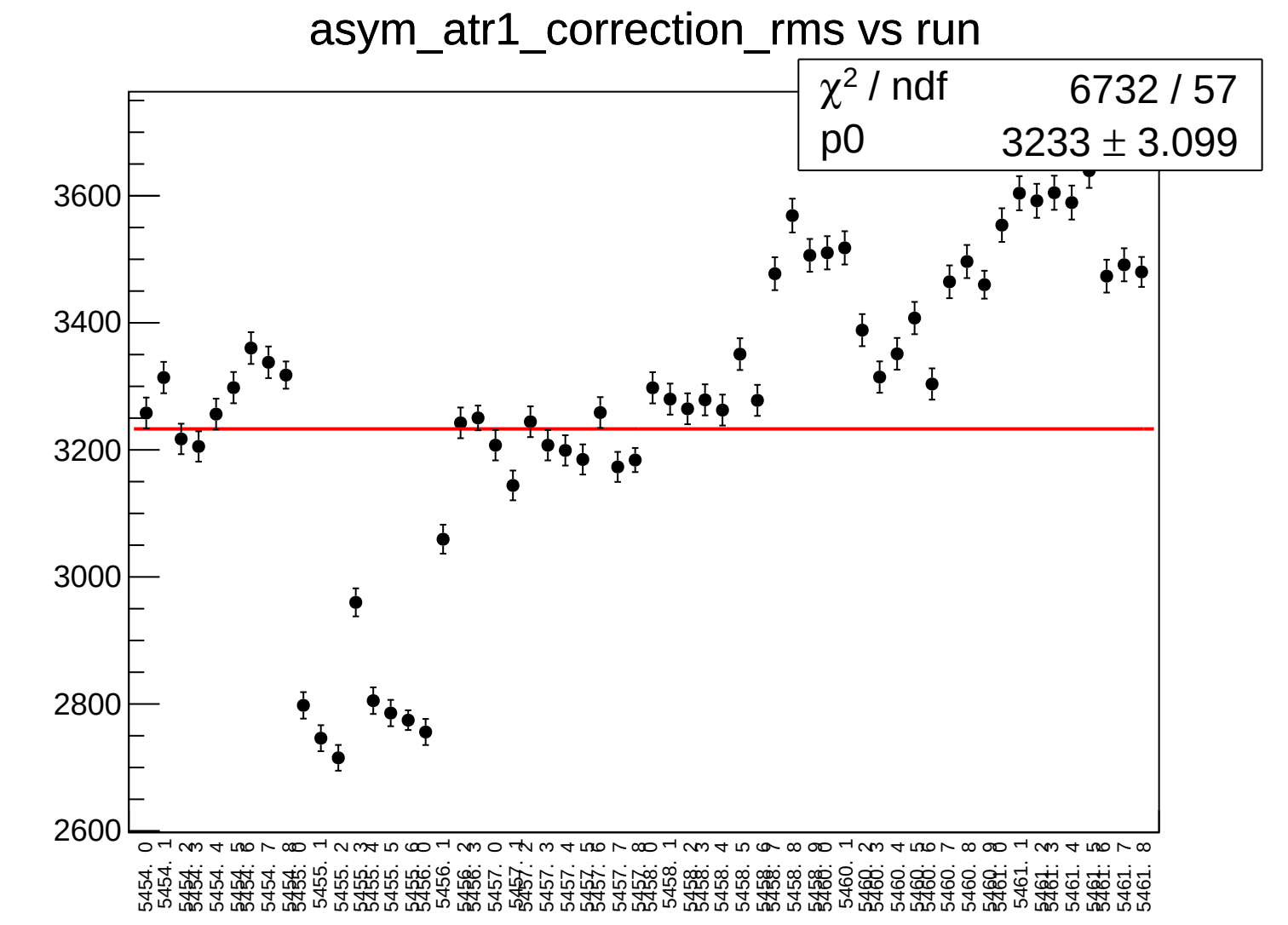

dit_asym_atr1_mean vs run
χ² / ndf 54.51 / 52
p0 772 ± 8738
×10³
pull
Entries 53
Mean −48.67
Std Dev 78.04

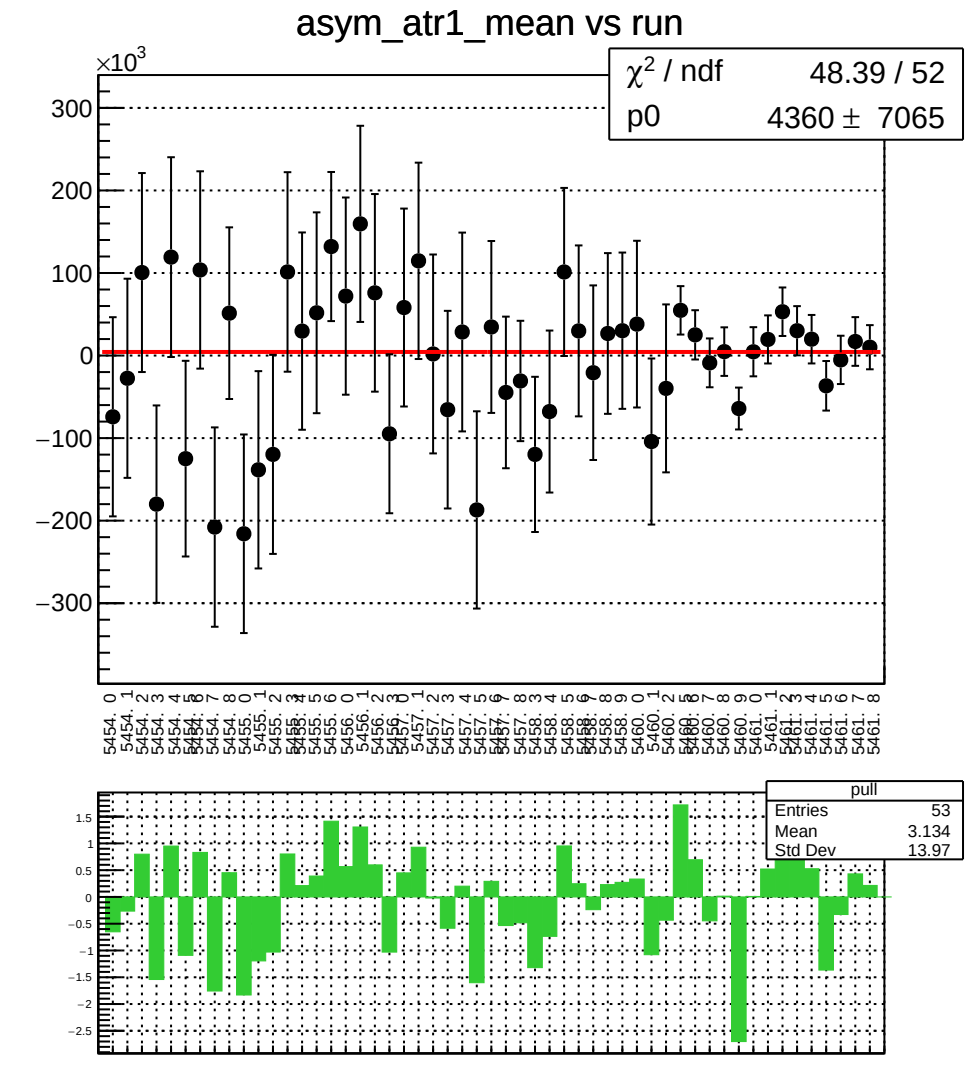

pull1D
Entries 53
Mean −0.01969
Std Dev 1.014

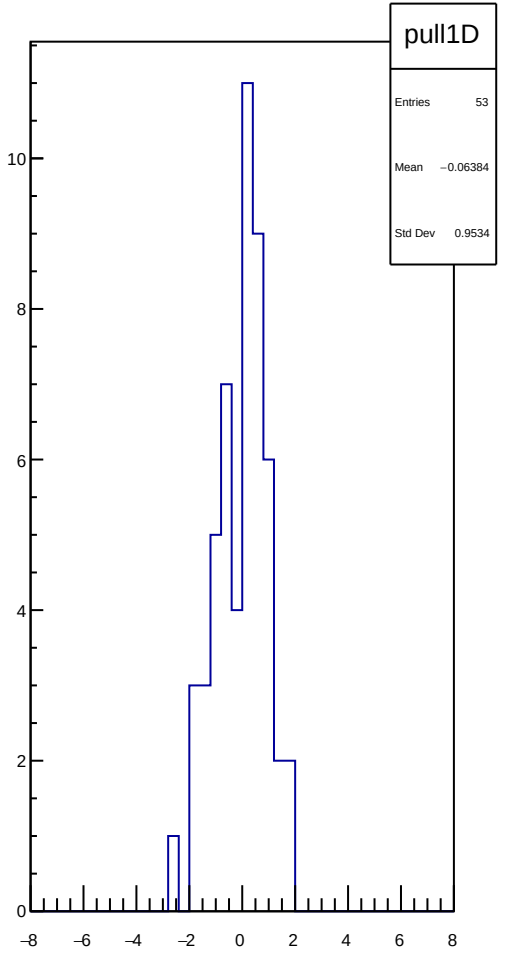

dit_asym_atr1_rms vs run
×10^3
500
400
300
200
100
χ² / ndf 2.548e+05 / 57
p0 5663 ± 6.179

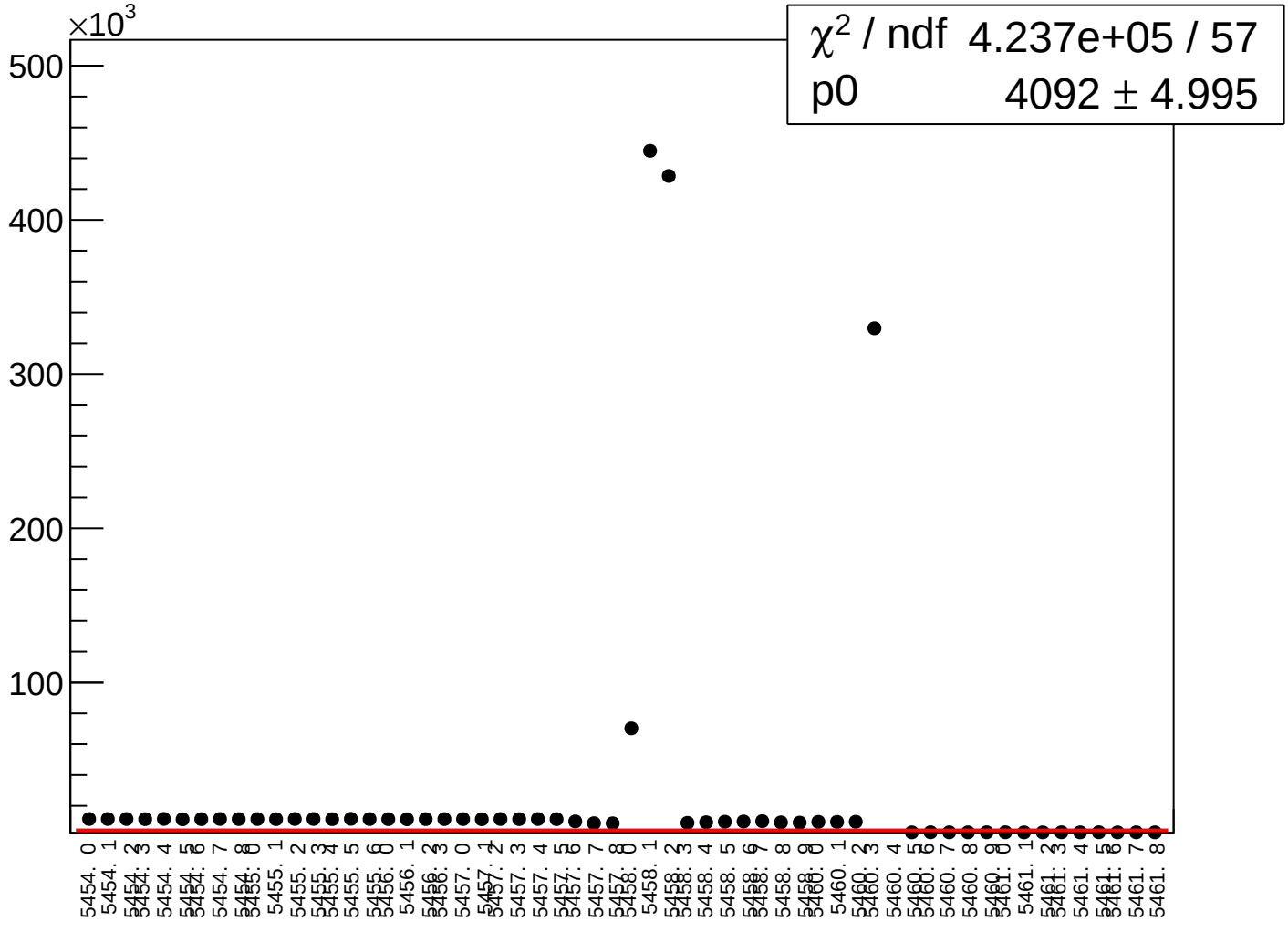

asym_atr1_correction_mean vs run
×10^3
χ² / ndf 46.55 / 57
p0 5610 ± 4383
100
50
0
−50
−100
−150
pull
Entries 58
Mean 89.18
Std Dev 71.86
1
0
−1
−2
−3

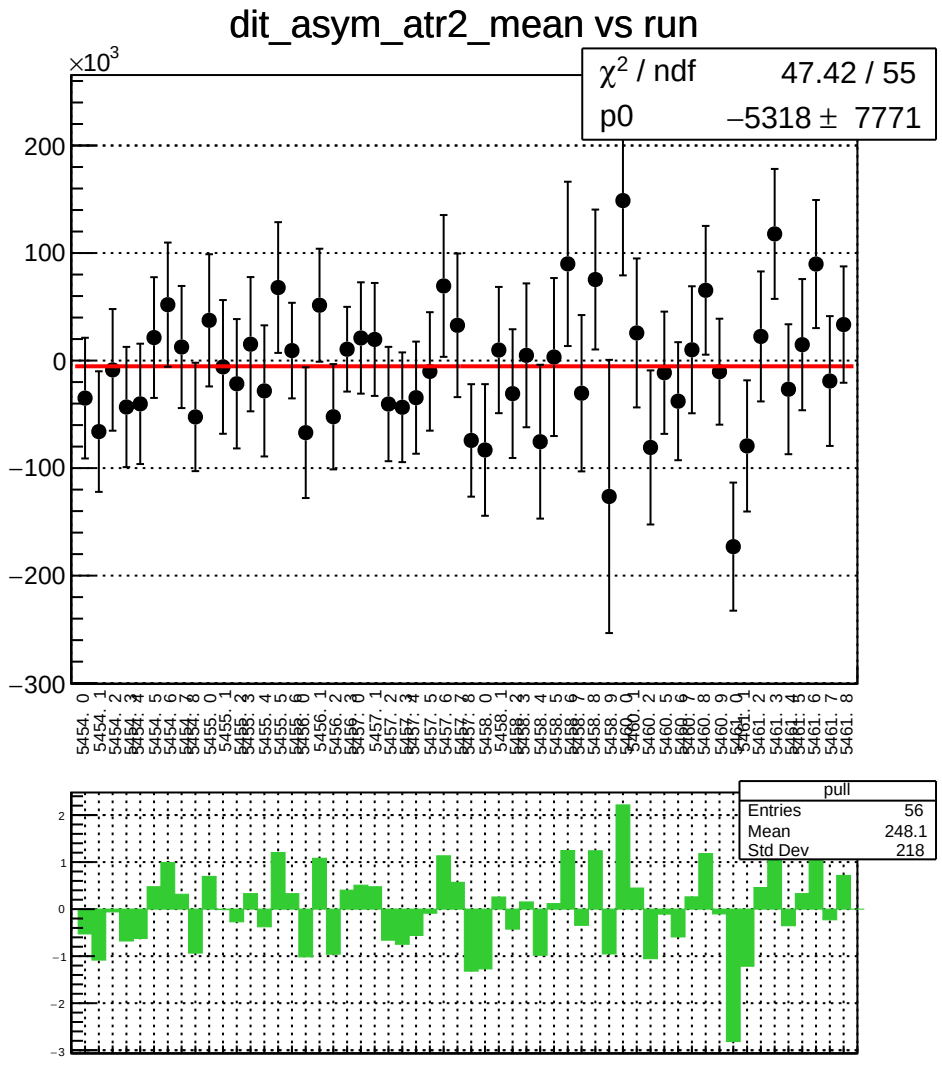

pull1D
Entries 58
Mean −0.008367
Std Dev 0.8959
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

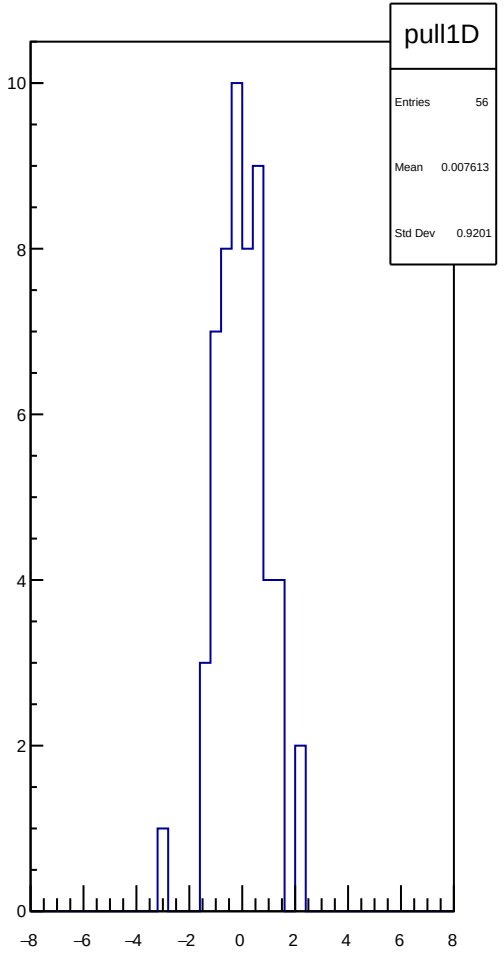

asym_atr1_correction_rms vs run
χ² / ndf 6732 / 57
p0 3233 ± 3.099
3600
3400
3200
3000
2800
2600
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

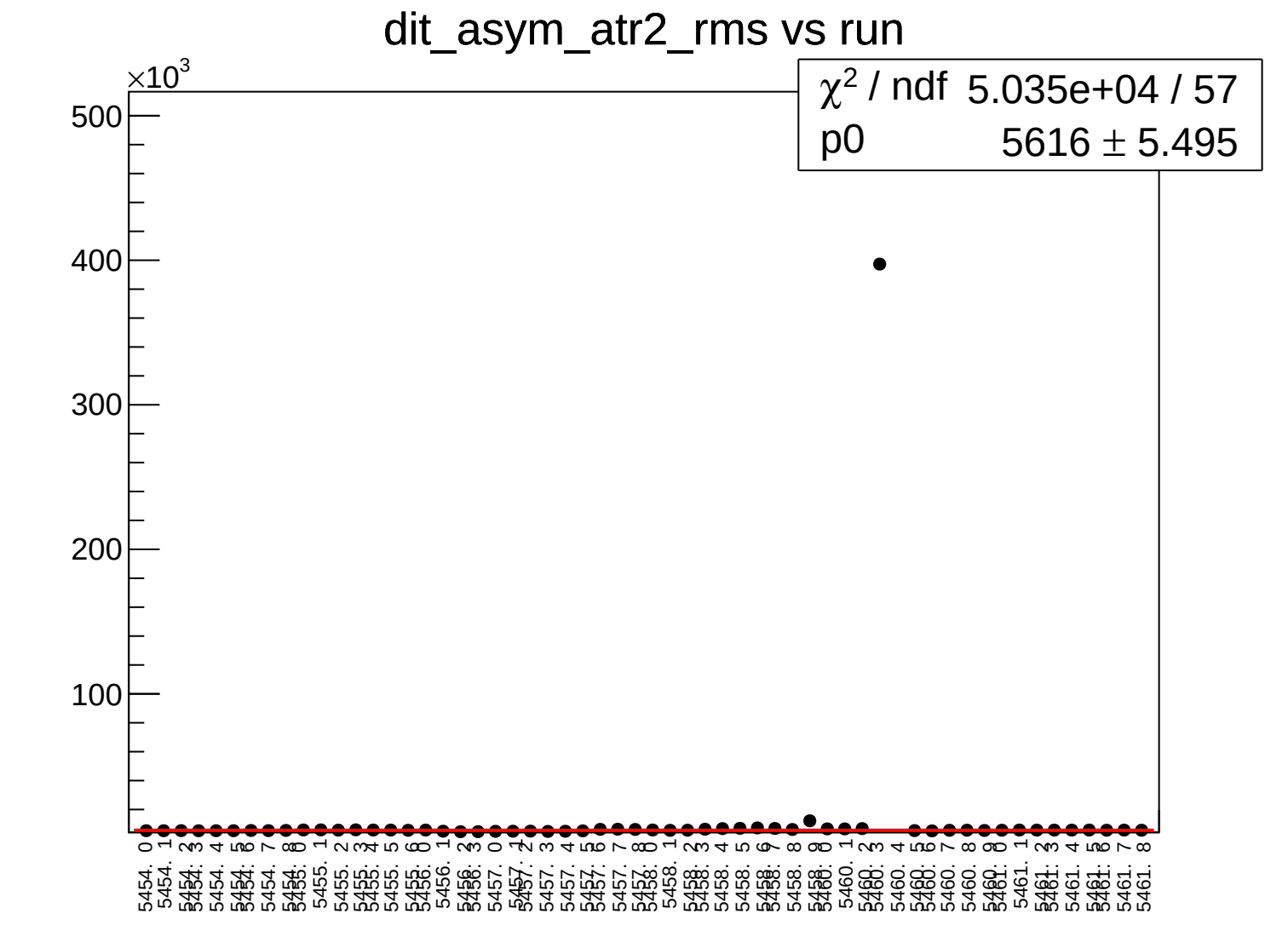

asym_atr1_mean vs run
×10^3
χ² / ndf 48.39 / 52
p0 4360 ± 7065
300
200
100
0
−100
−200
−300
pull
Entries 53
Mean 3.134
Std Dev 13.97
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

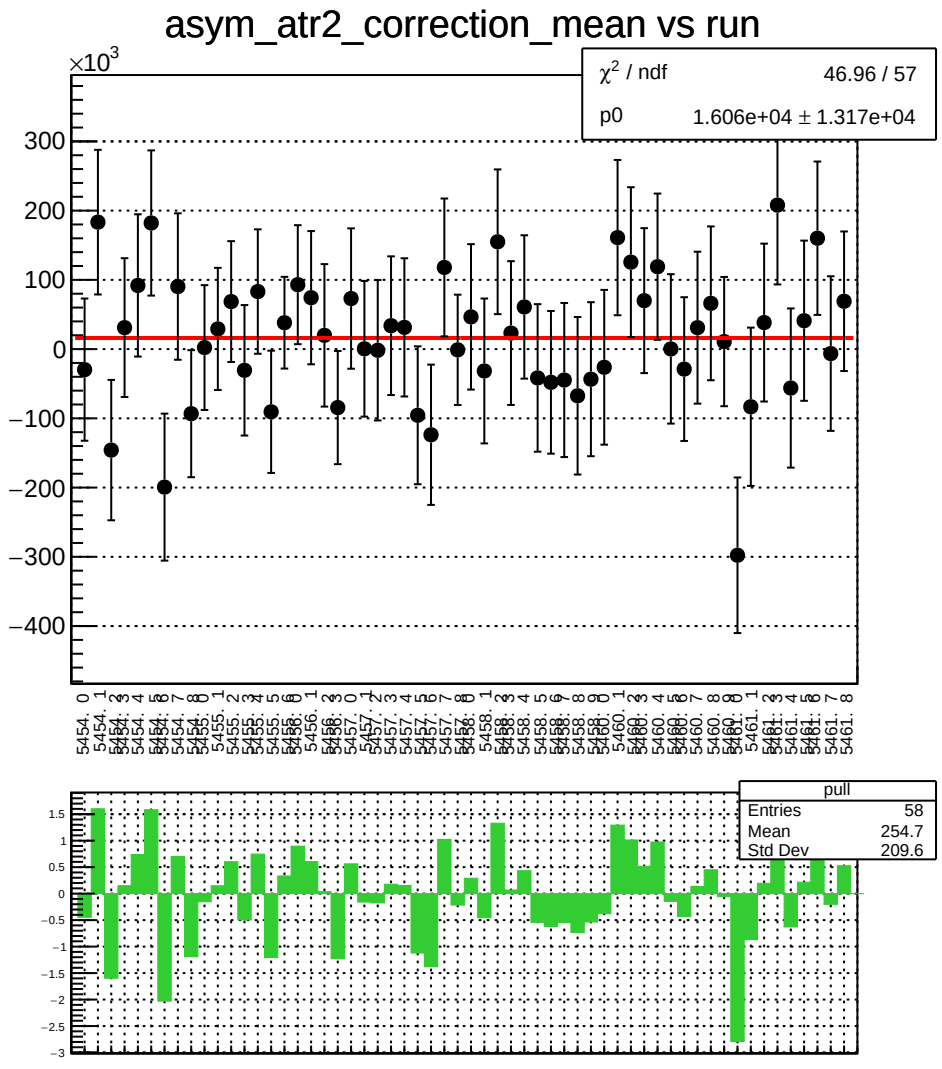

pull1D
Entries 53
Mean −0.06384
Std Dev 0.9534
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

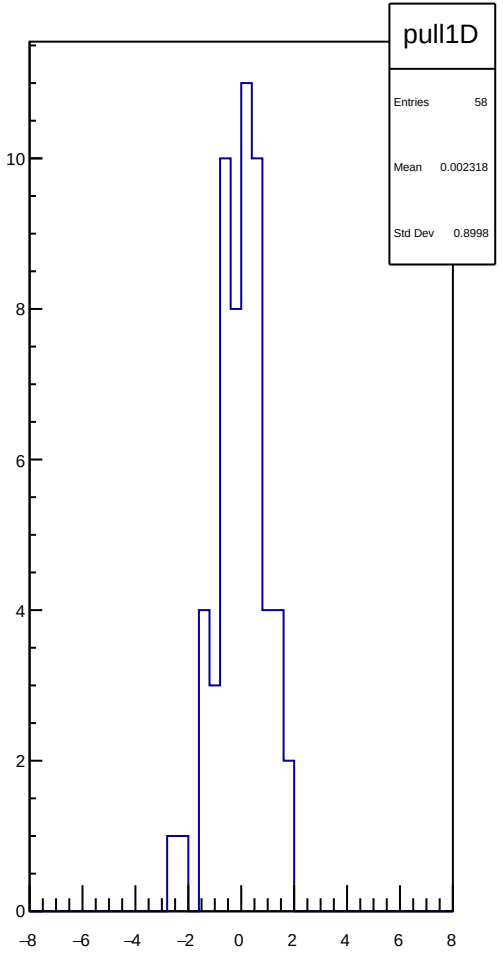

asym_atr1_rms vs run
×10^3
500
400
300
200
100
χ² / ndf 4.237e+05 / 57
p0 4092 ± 4.995

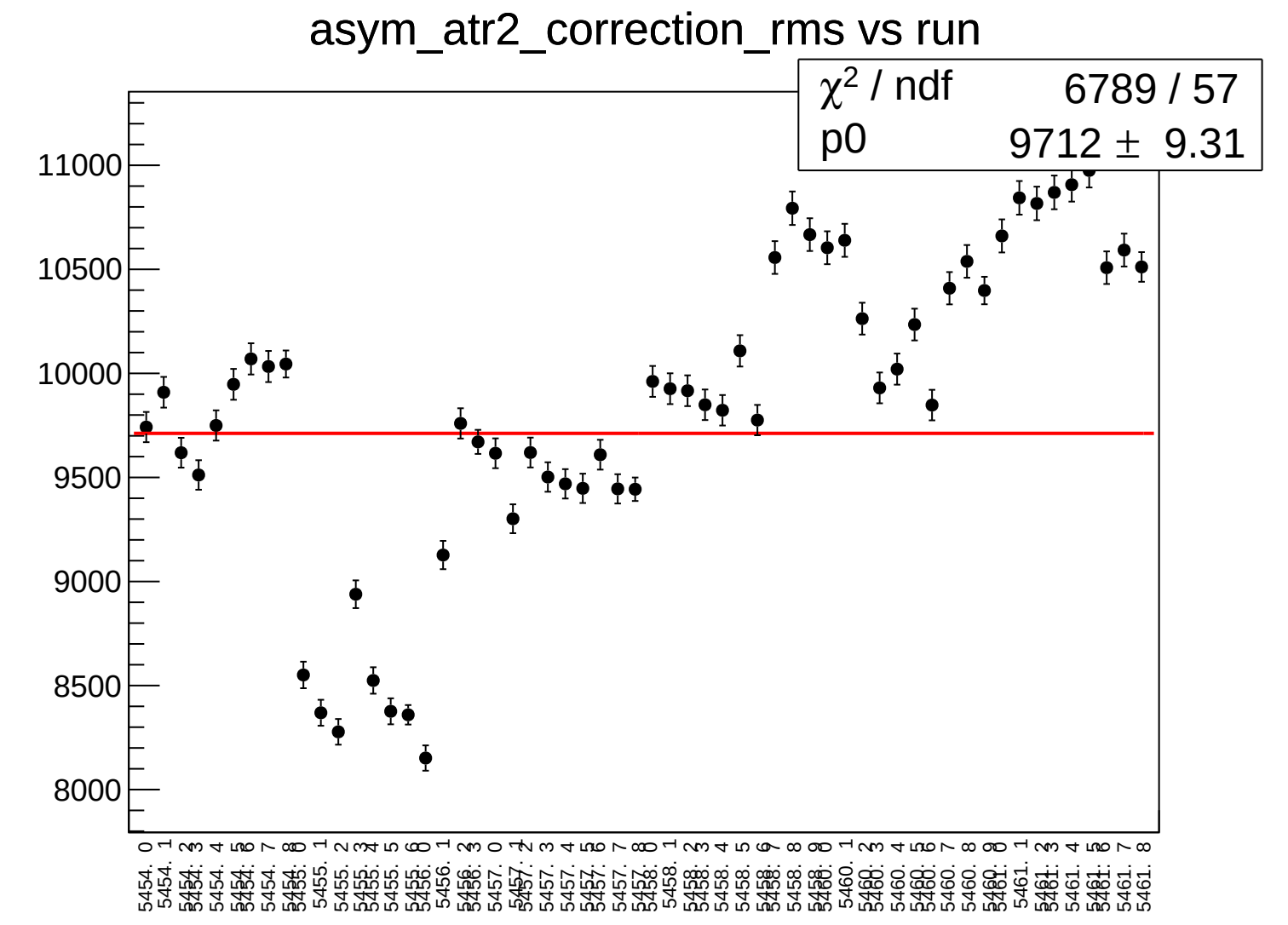

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 47.42 / 55
p0 −5318 ± 7771
200
100
0
−100
−200
−300
pull
Entries 56
Mean 248.1
Std Dev 218
2
1
0
−1
−2
−3

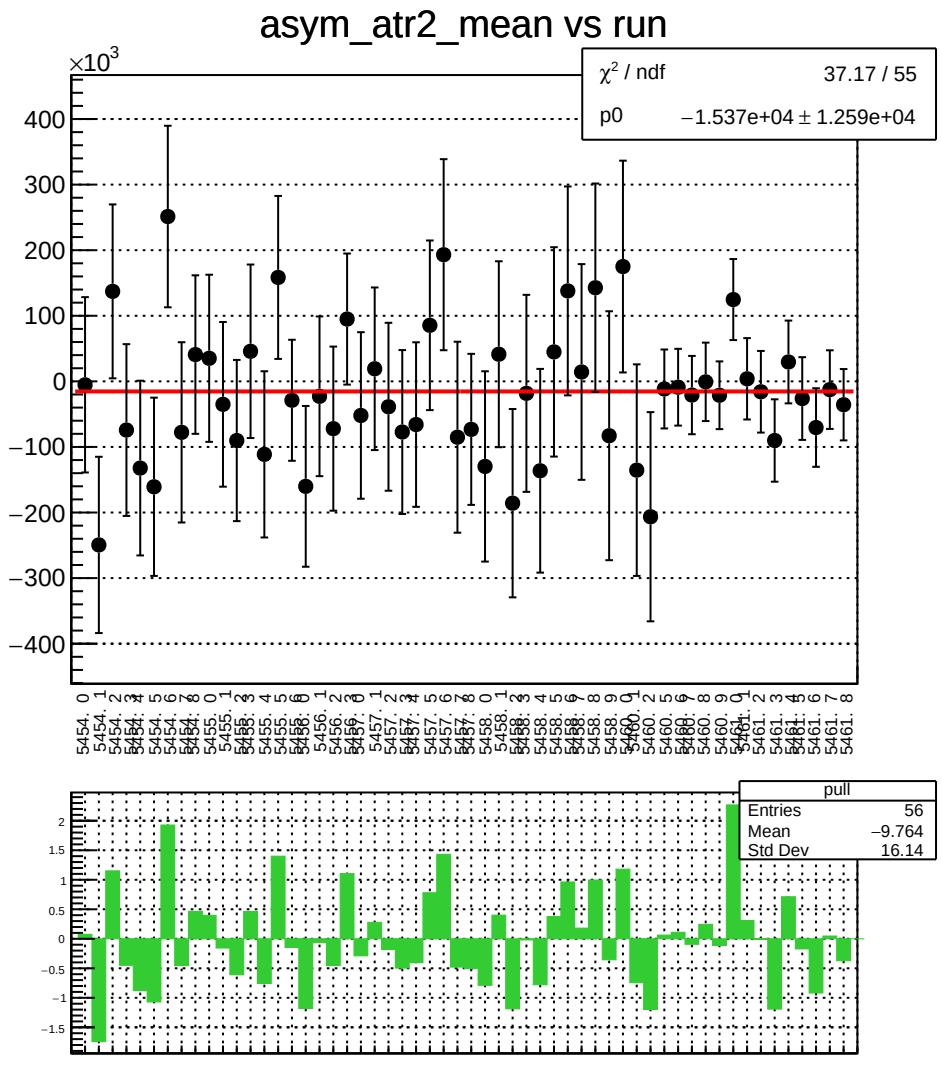

pull1D
Entries 56
Mean 0.007613
Std Dev 0.9201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

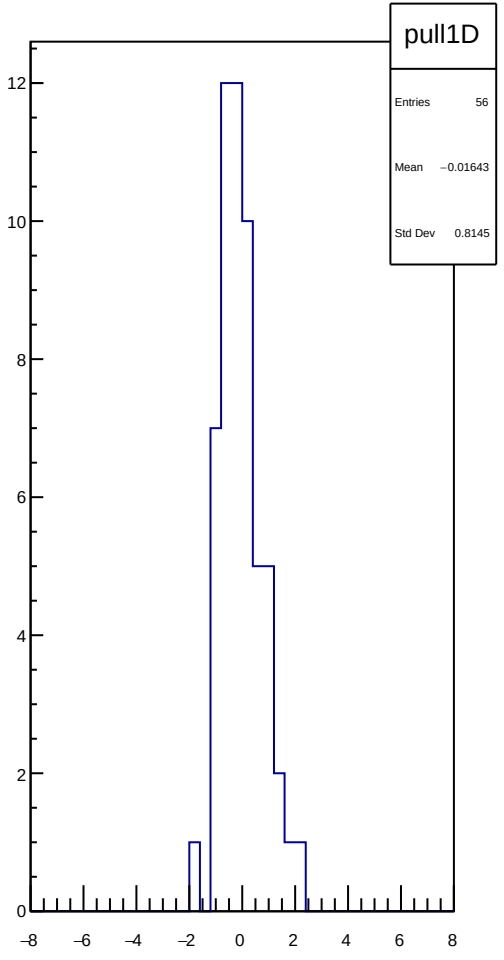

dit_asym_atr2_rms vs run
×10^3
500
400
300
200
100
χ² / ndf 5.035e+04 / 57
p0 5616 ± 5.495
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

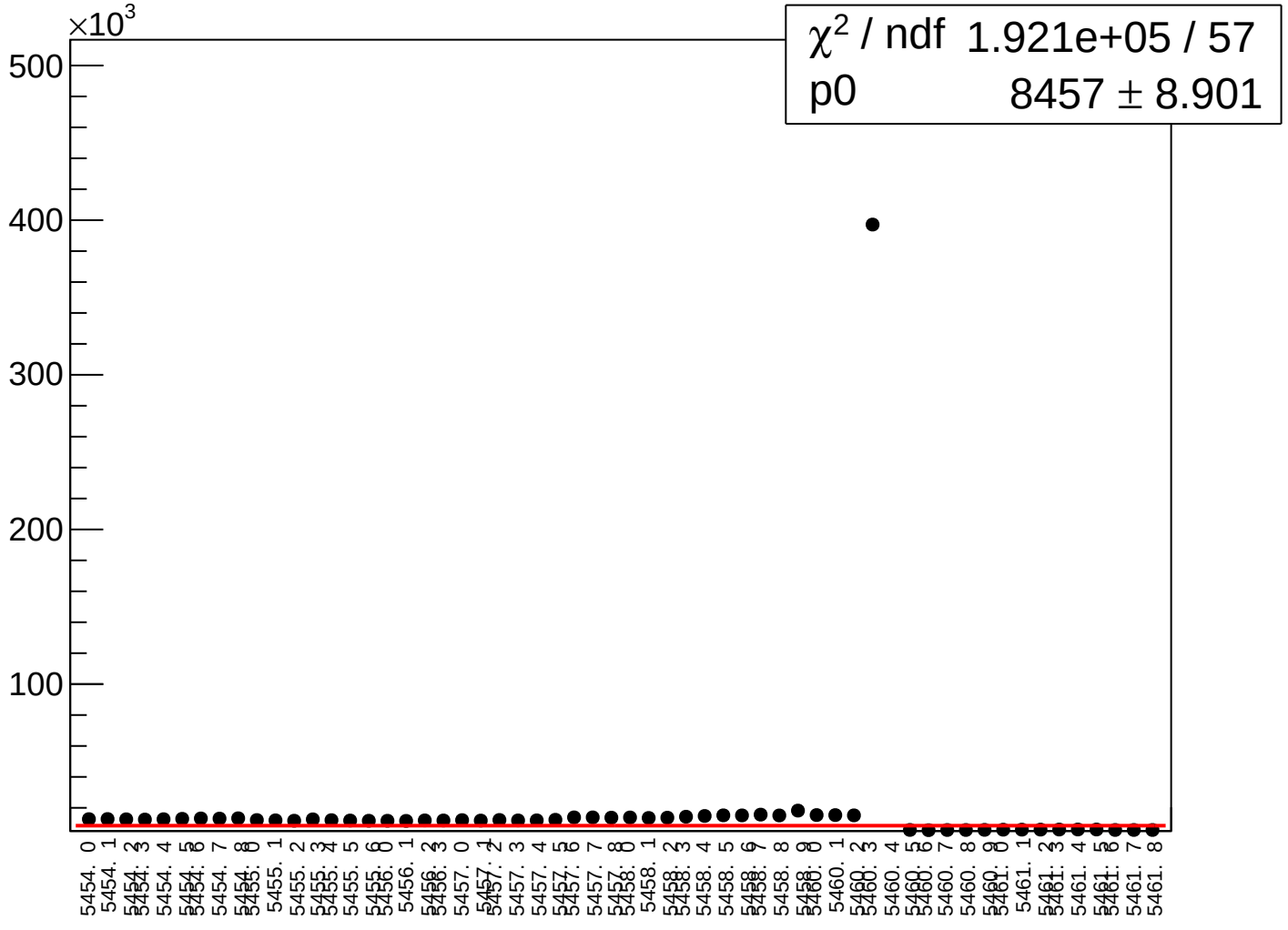

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 46.96 / 57
p0 1.606e+04 ± 1.317e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 58
Mean 254.7
Std Dev 209.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

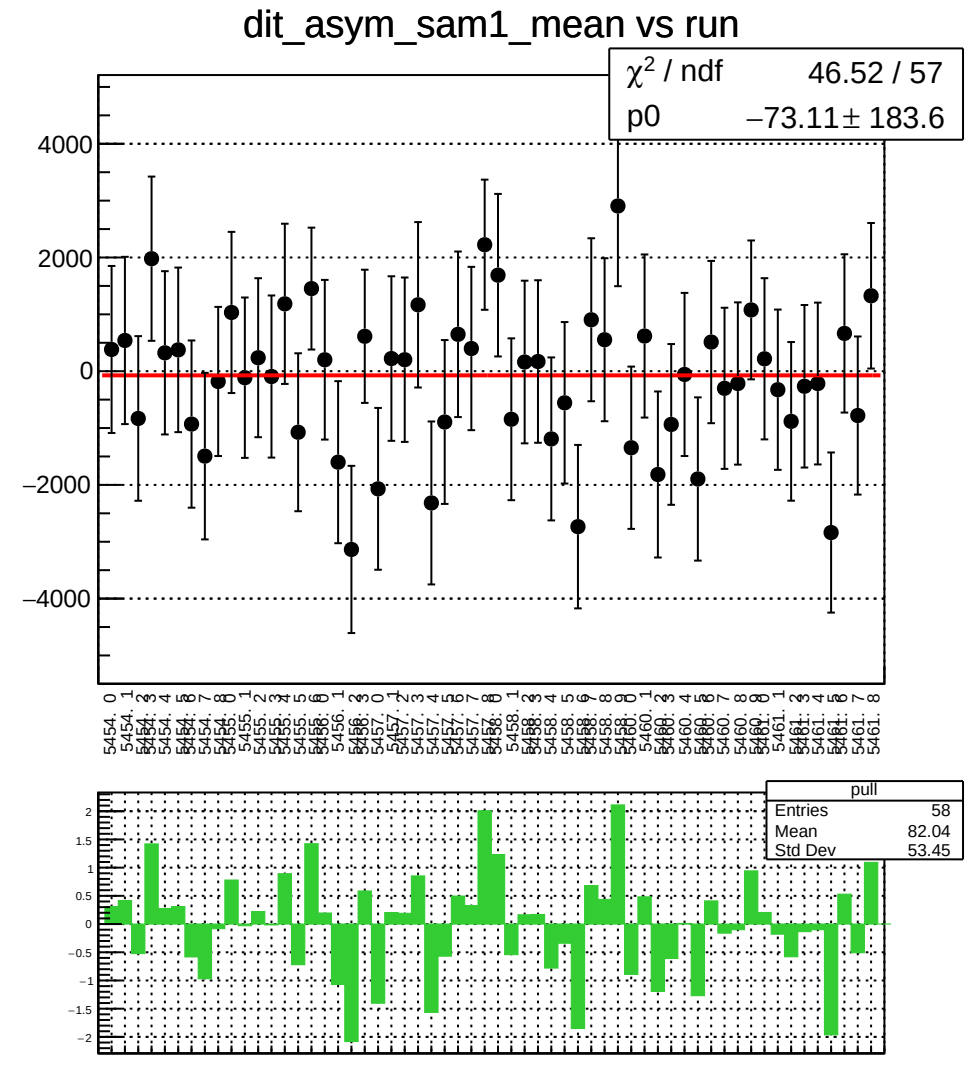

pull1D
Entries 58
Mean 0.002318
Std Dev 0.8998
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

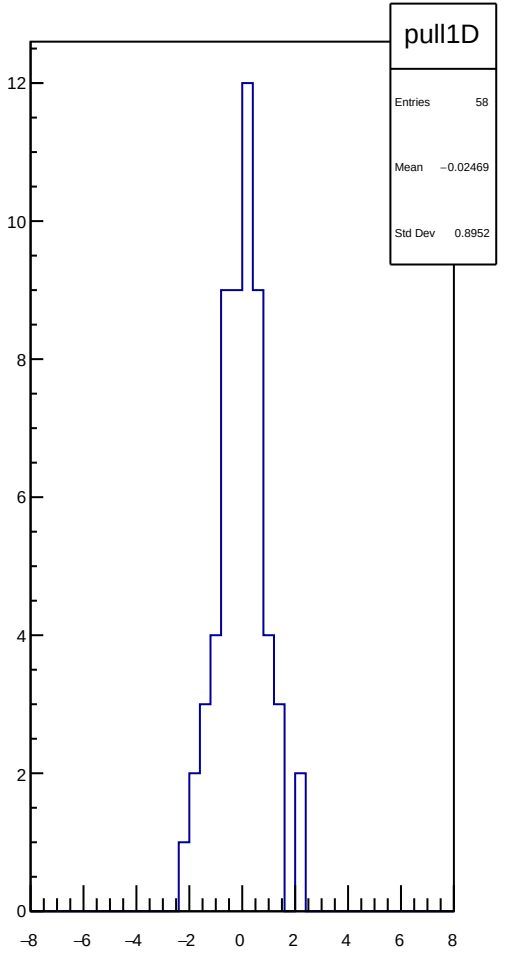

asym_atr2_correction_rms vs run
χ² / ndf 6789 / 57
p0 9712 ± 9.31
11000
10500
10000
9500
9000
8500
8000
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

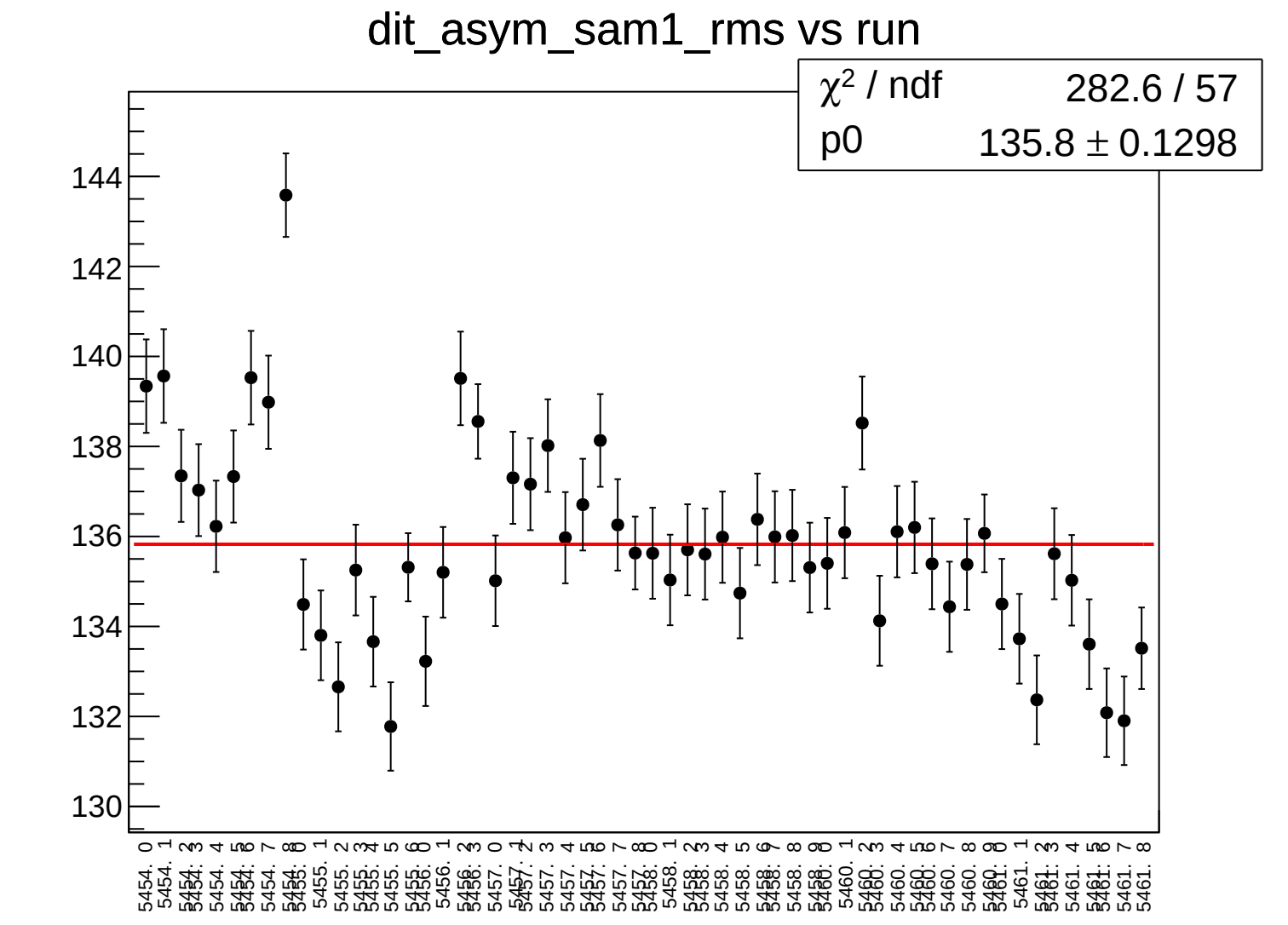

asym_atr2_mean vs run
×10^3
χ² / ndf 37.17 / 55
p0 −1.537e+04 ± 1.259e+04
pull
Entries 56
Mean −9.764
Std Dev 16.14

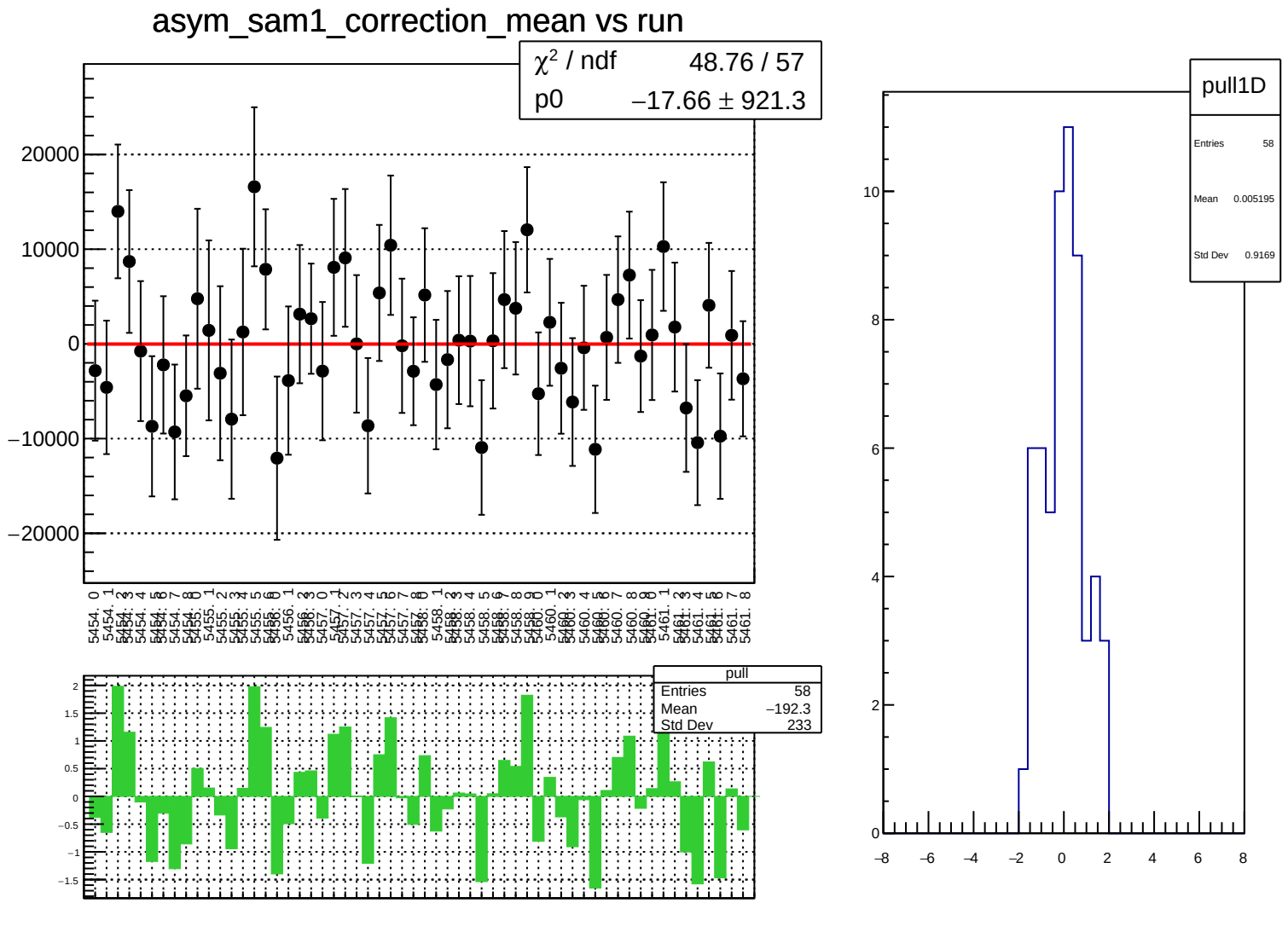

pull1D
Entries 56
Mean −0.01643
Std Dev 0.8145

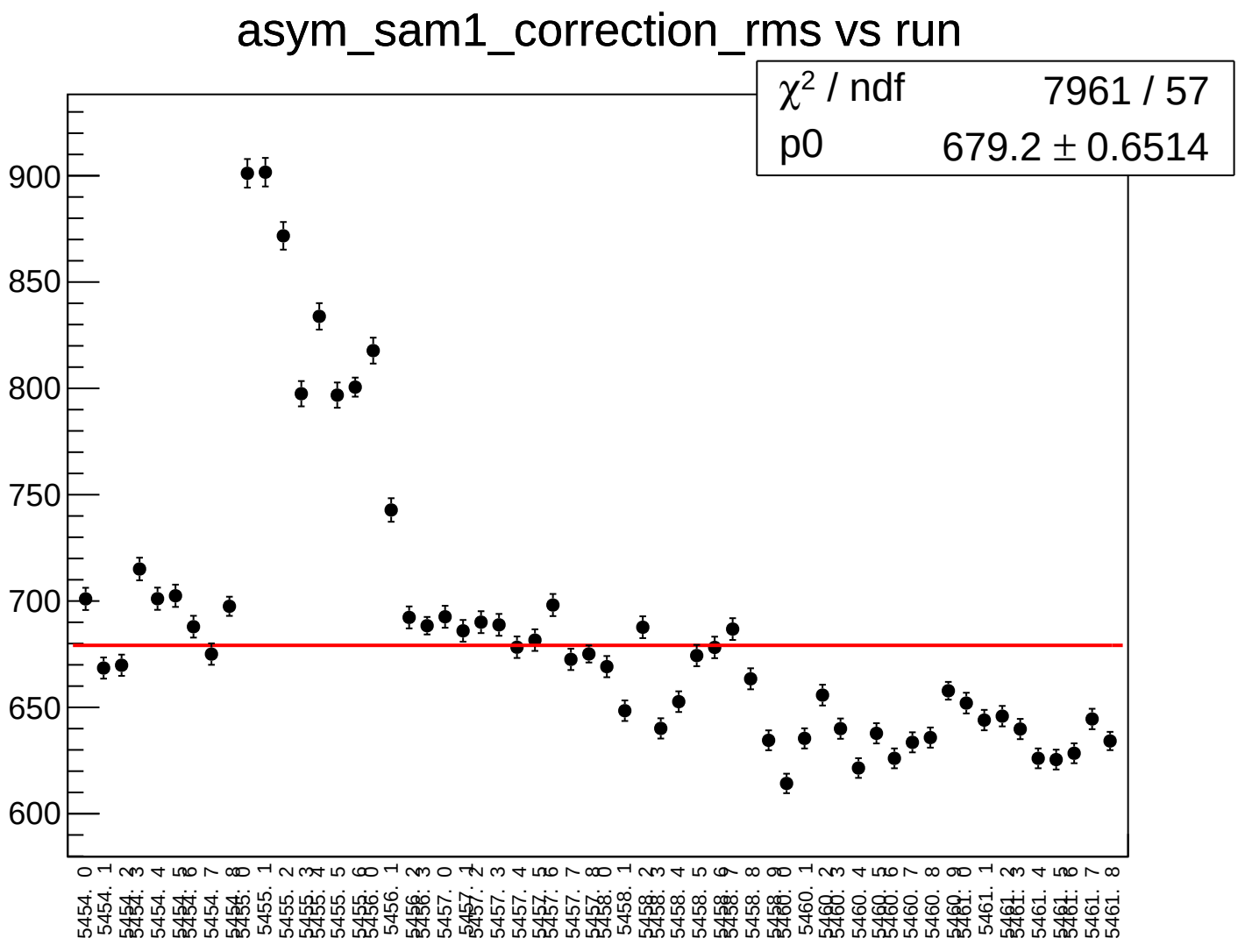

asym_atr2_rms vs run
×10^3
500
400
300
200
100
χ² / ndf 1.921e+05 / 57
p0 8457 ± 8.901

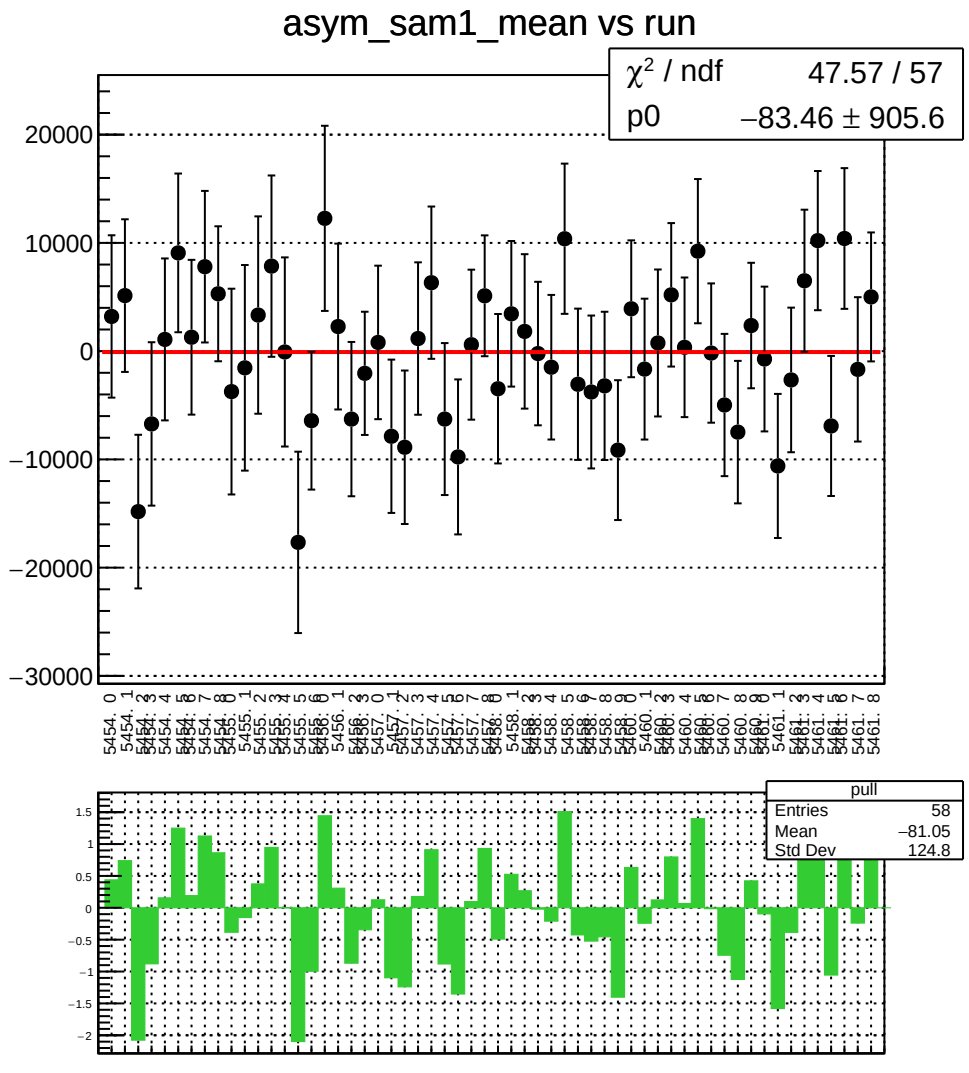

dit_asym_sam1_mean vs run
χ² / ndf 46.52 / 57
p0 −73.11± 183.6
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 82.04
Std Dev 53.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

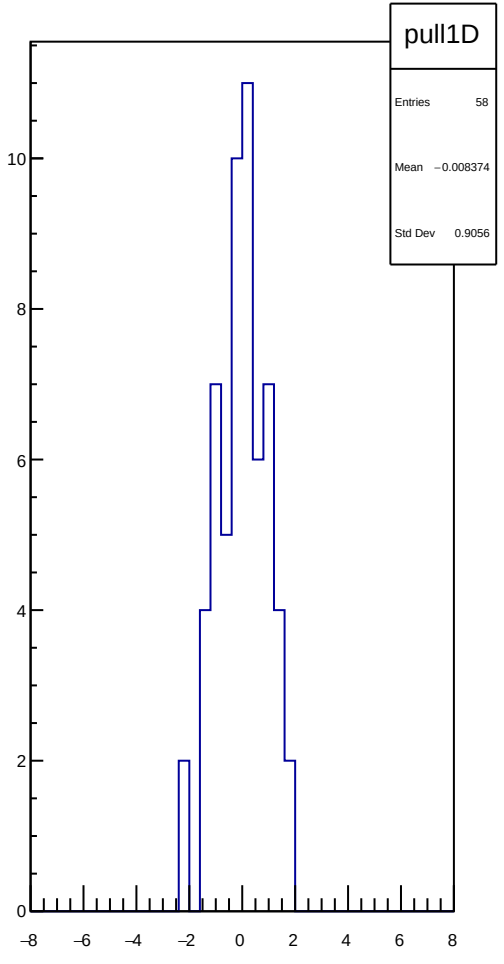

pull1D
Entries 58
Mean −0.02469
Std Dev 0.8952
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

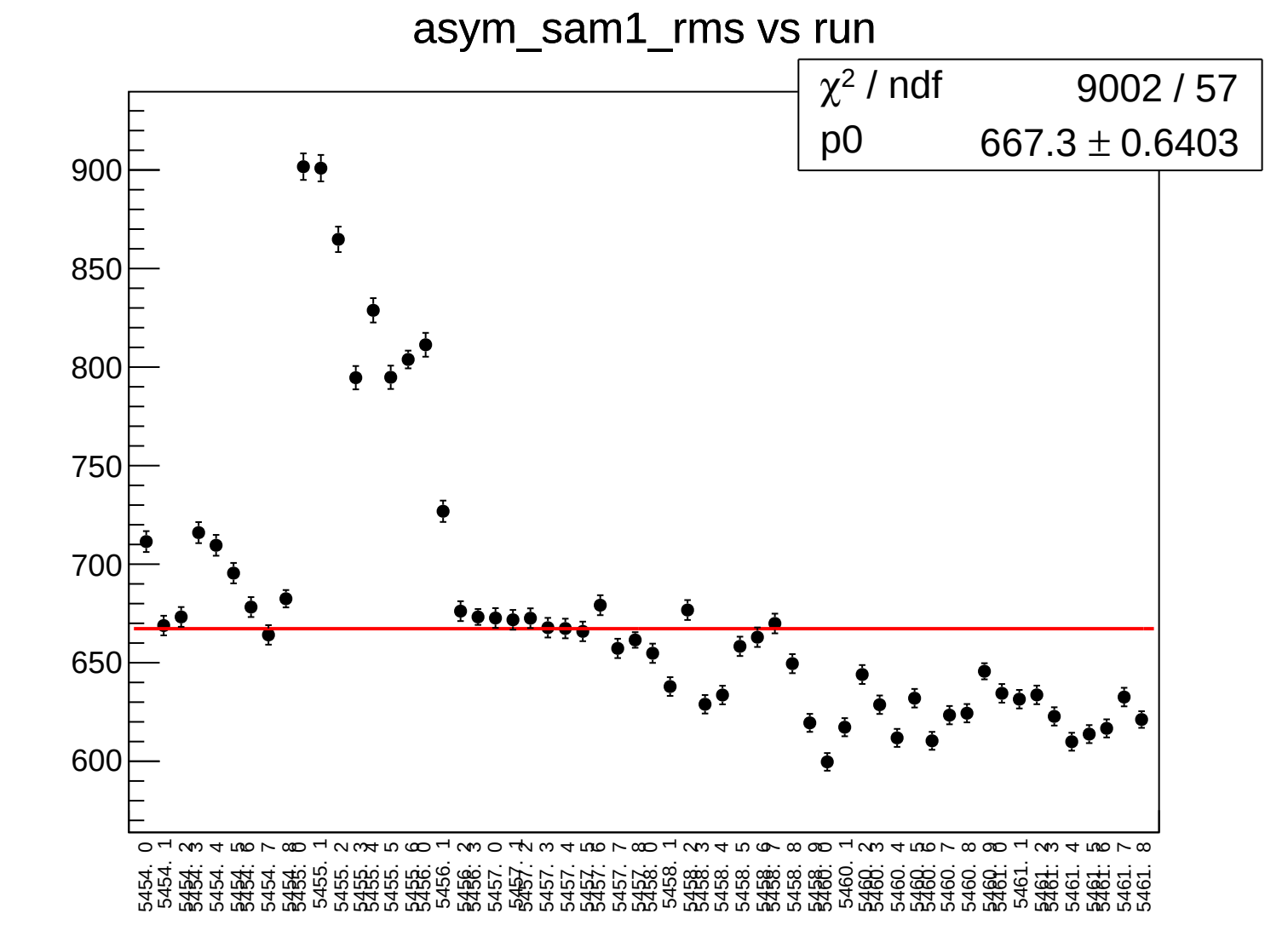

dit_asym_sam1_rms vs run
χ² / ndf 282.6 / 57
p0 135.8 ± 0.1298
144
142
140
138
136
134
132
130

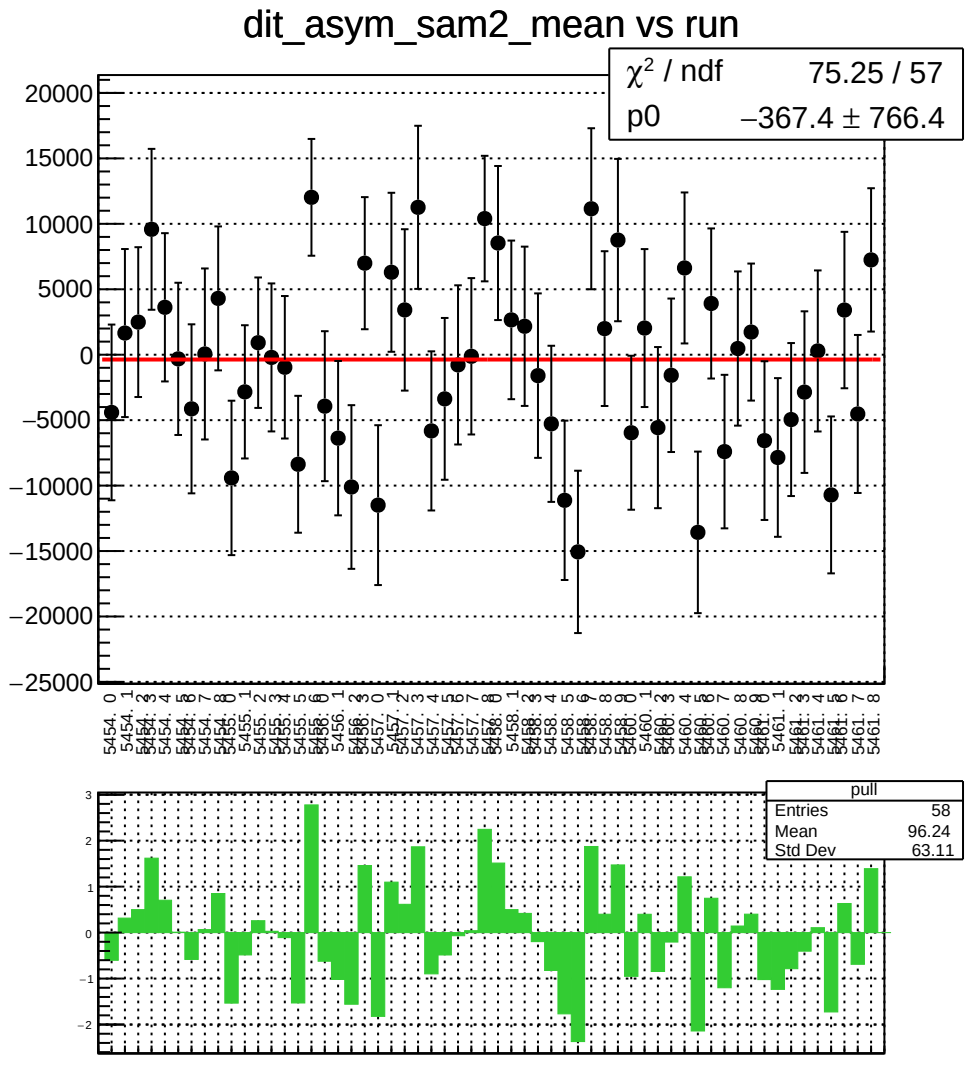

asym_sam1_correction_mean vs run
χ² / ndf 48.76 / 57
p0 −17.66 ± 921.3
20000
10000
0
−10000
−20000
pull
Entries 58
Mean −192.3
Std Dev 233
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 58
Mean 0.005195
Std Dev 0.9169
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

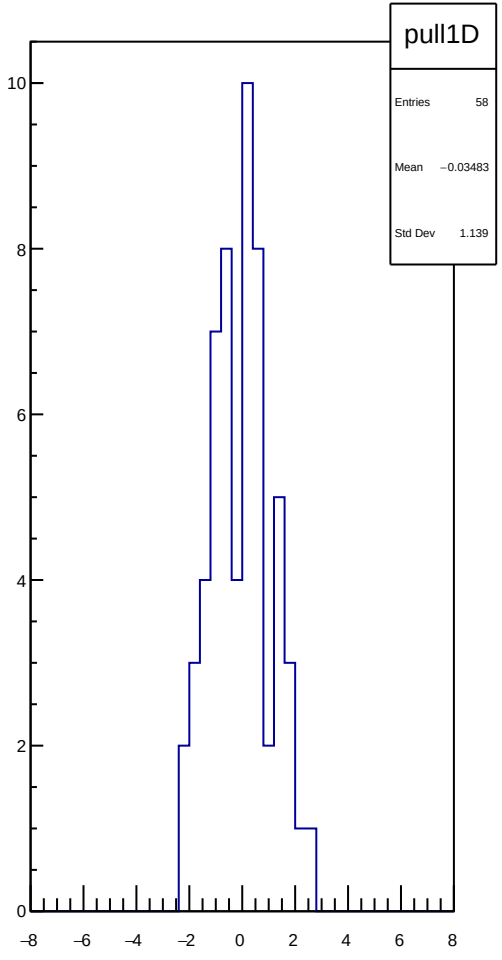

asym_sam1_correction_rms vs run
χ² / ndf 7961 / 57
p0 679.2 ± 0.6514
900
850
800
750
700
650
600

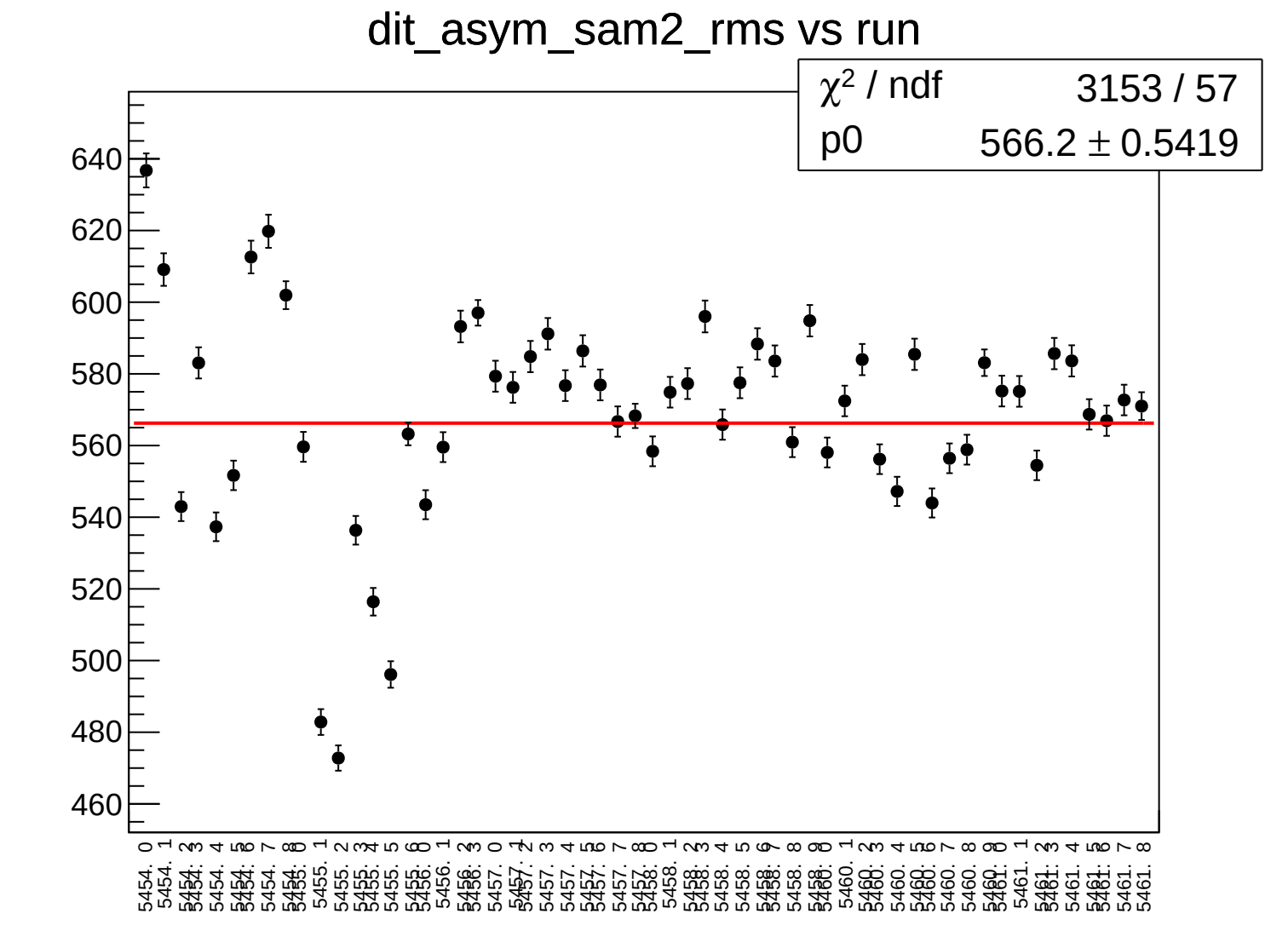

asym_sam1_mean vs run
χ² / ndf 47.57 / 57
p0 −83.46 ± 905.6
pull
Entries 58
Mean −81.05
Std Dev 124.8

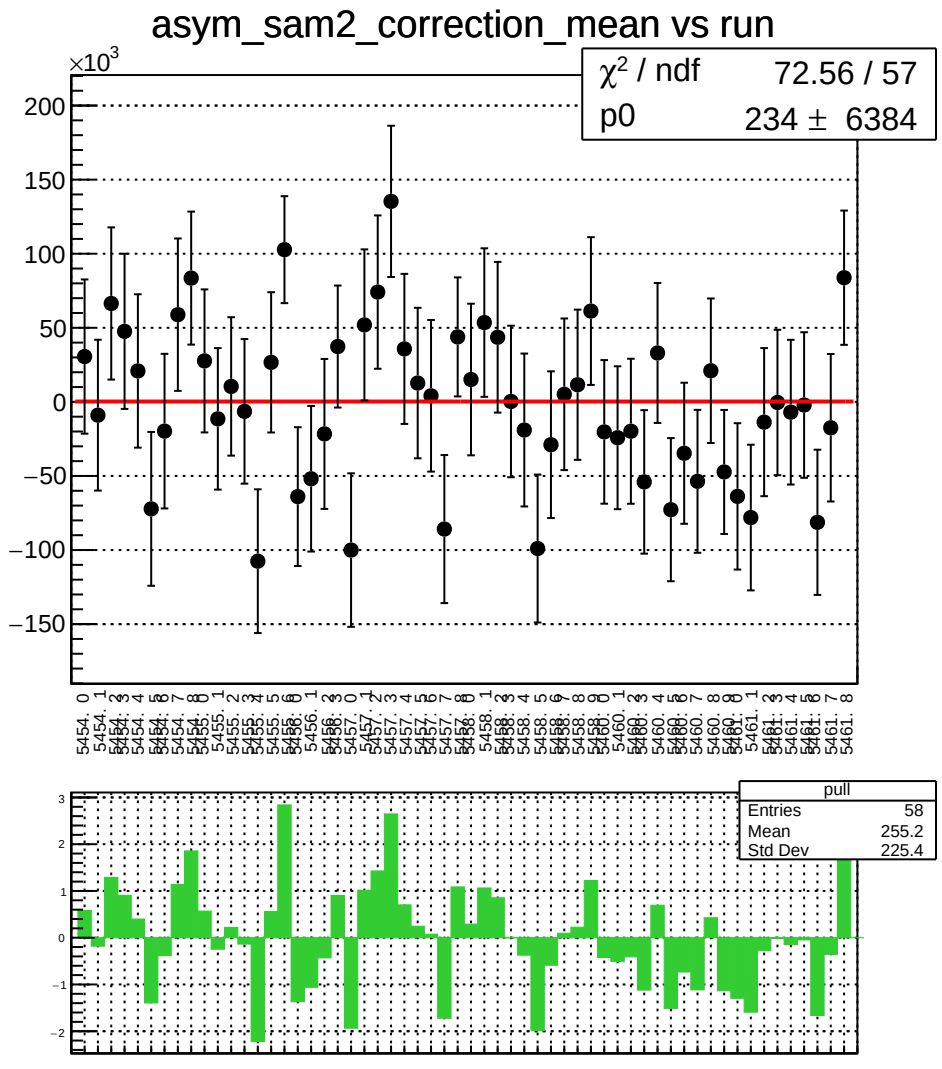

pull1D
Entries 58
Mean −0.008374
Std Dev 0.9056

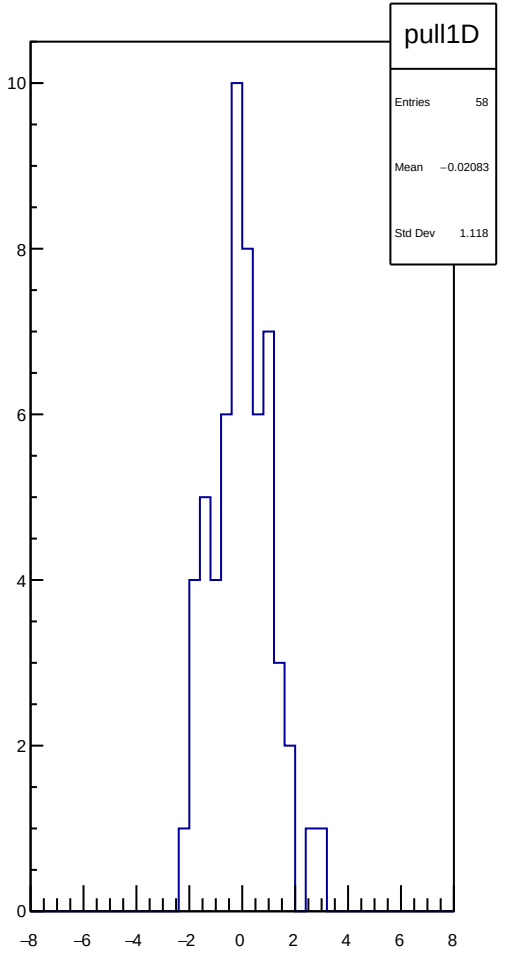

asym_sam1_rms vs run
χ^2 / ndf 9002 / 57
p0 667.3 ± 0.6403
900
850
800
750
700
650
600

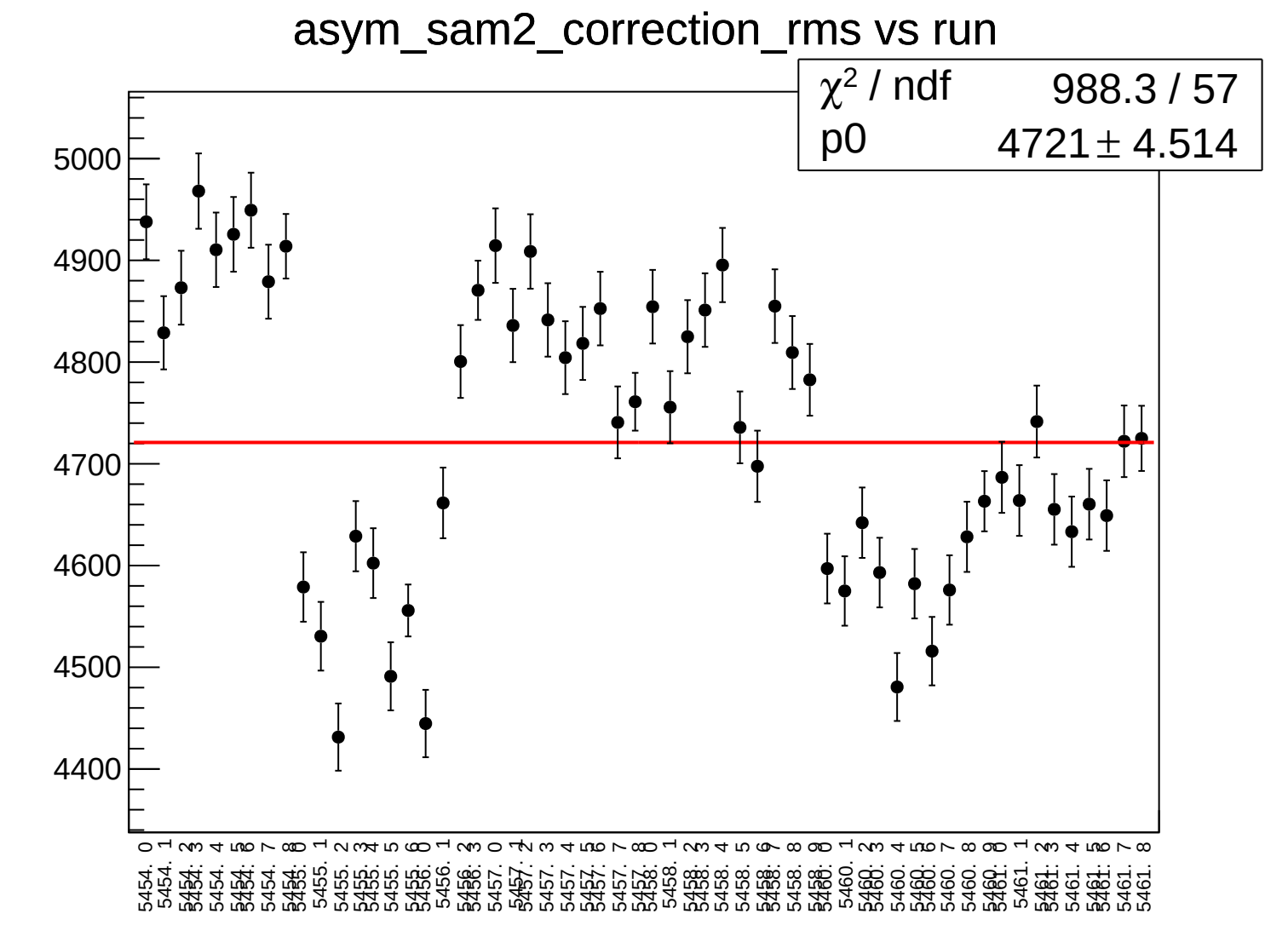

dit_asym_sam2_mean vs run
χ² / ndf 75.25 / 57
p0 −367.4 ± 766.4
pull
Entries 58
Mean 96.24
Std Dev 63.11

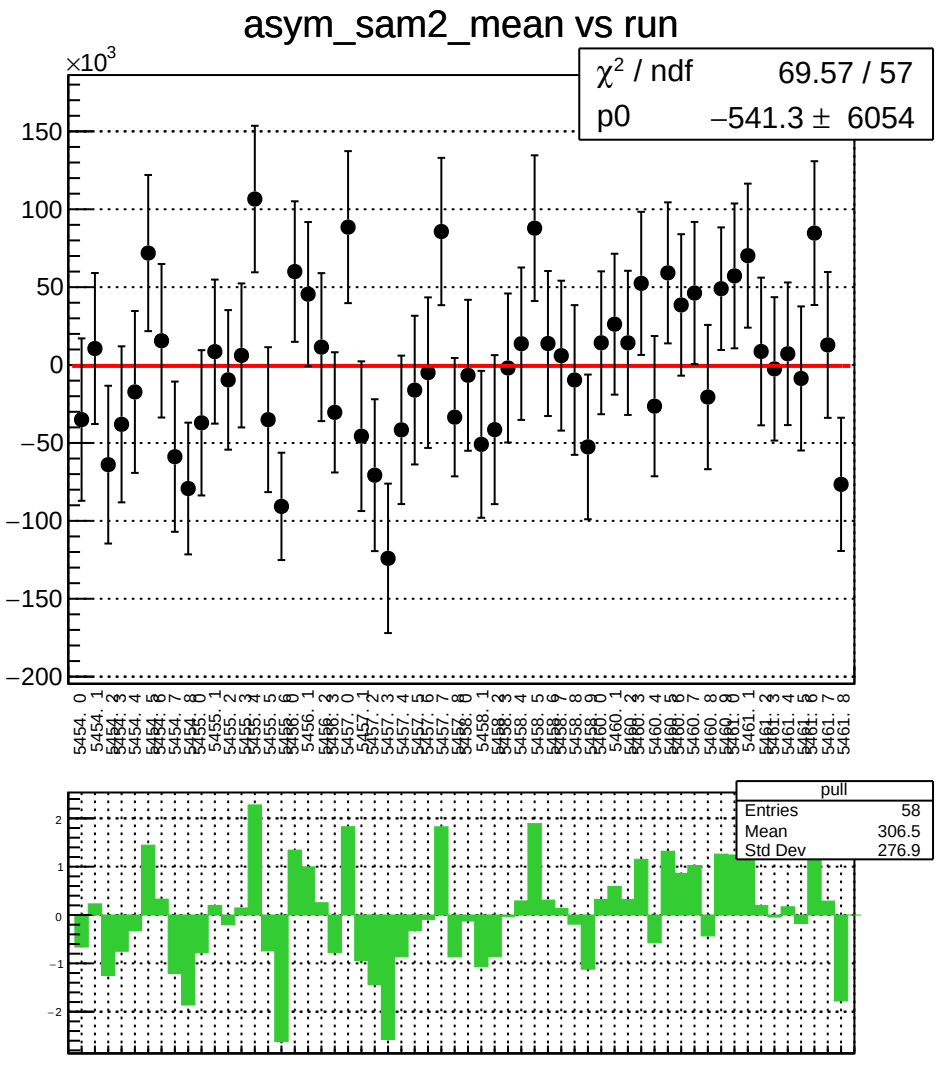

pull1D
Entries 58
Mean −0.03483
Std Dev 1.139

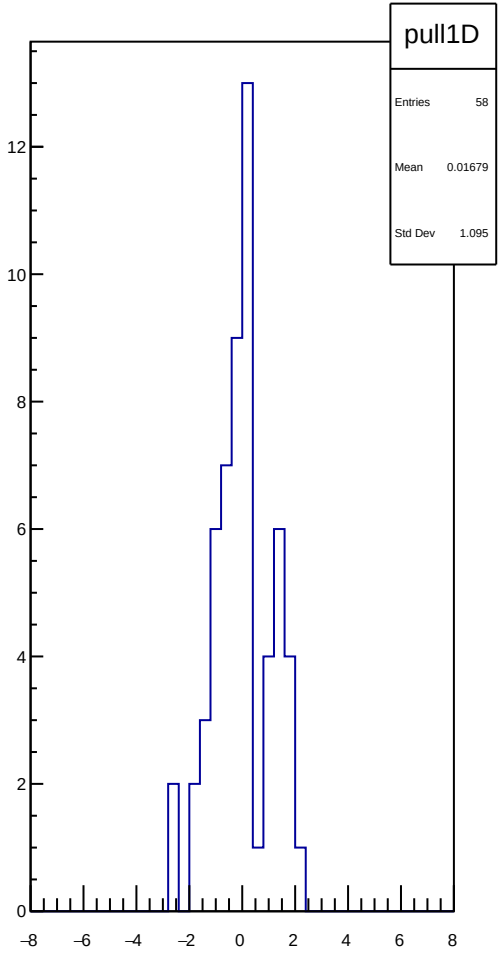

dit_asym_sam2_rms vs run
χ² / ndf 3153 / 57
p0 566.2 ± 0.5419
640
620
600
580
560
540
520
500
480
460

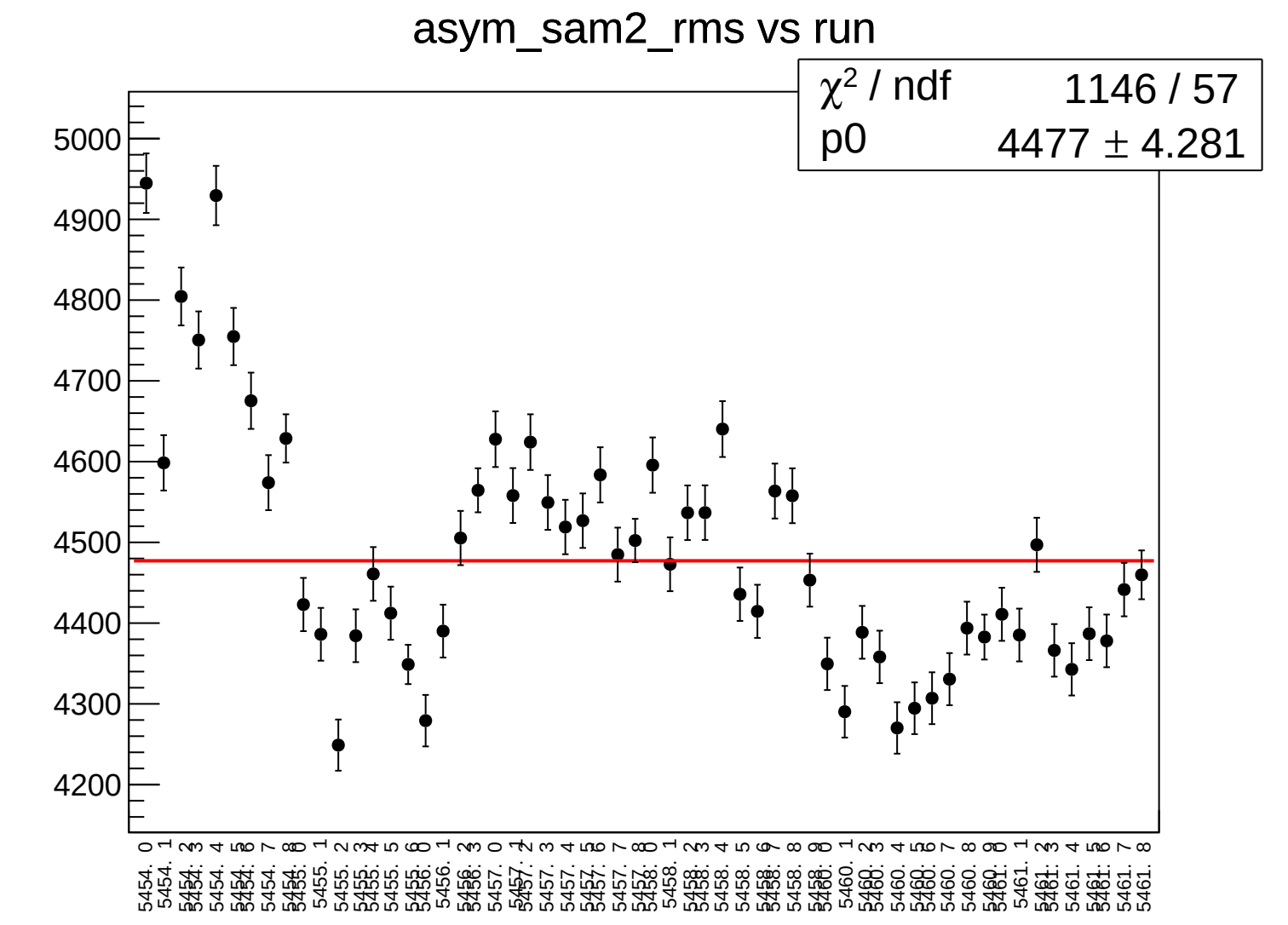

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 72.56 / 57
p0 234 ± 6384
200
150
100
50
0
−50
−100
−150
pull
Entries 58
Mean 255.2
Std Dev 225.4
3
2
1
0
−1
−2

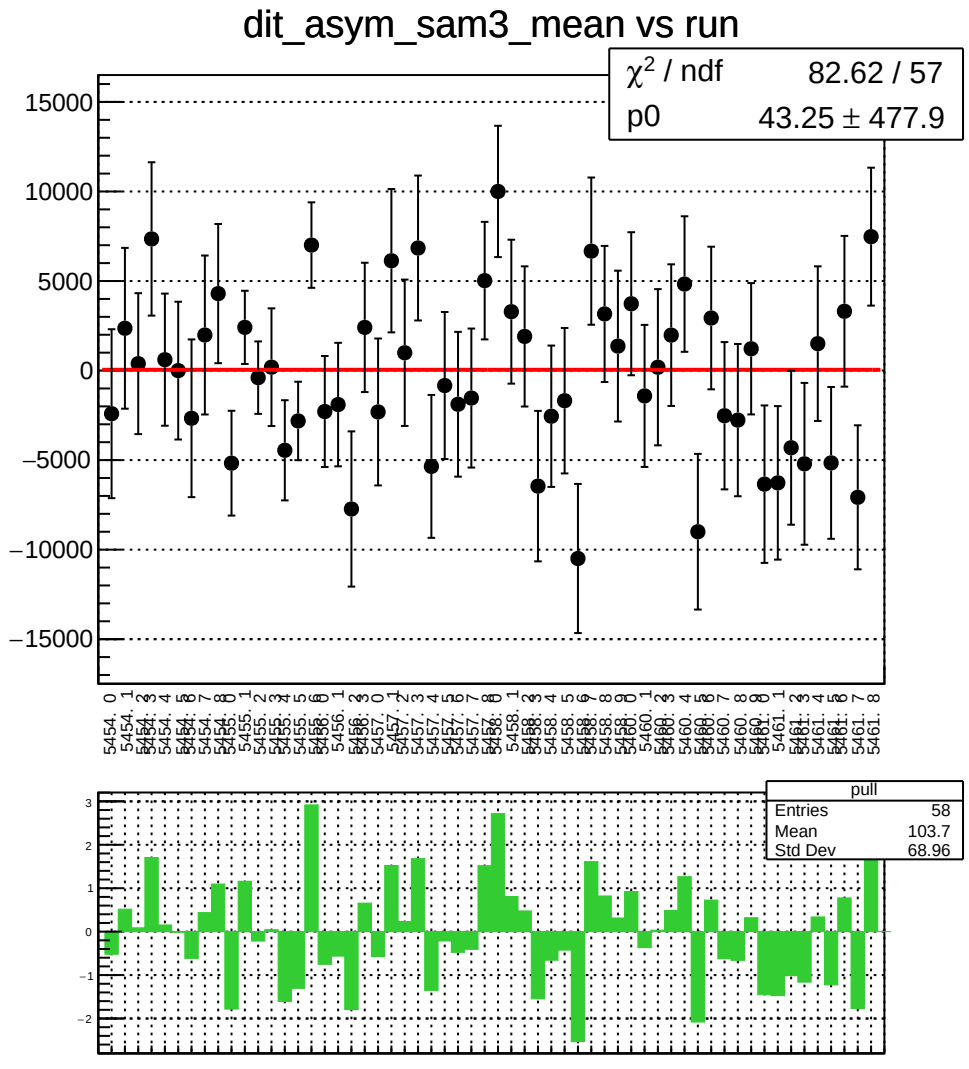

pull1D
Entries 58
Mean −0.02083
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

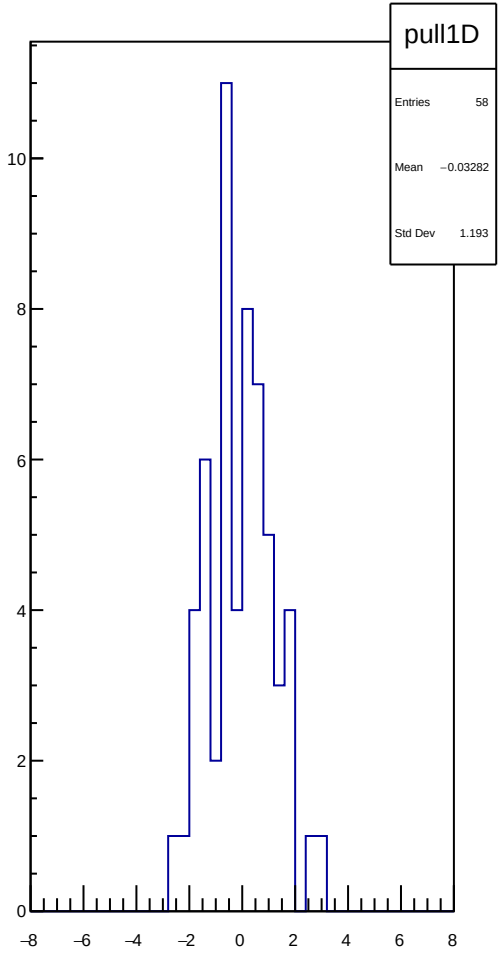

asym_sam2_correction_rms vs run
χ² / ndf 988.3 / 57
p0 4721 ± 4.514
5000
4900
4800
4700
4600
4500
4400

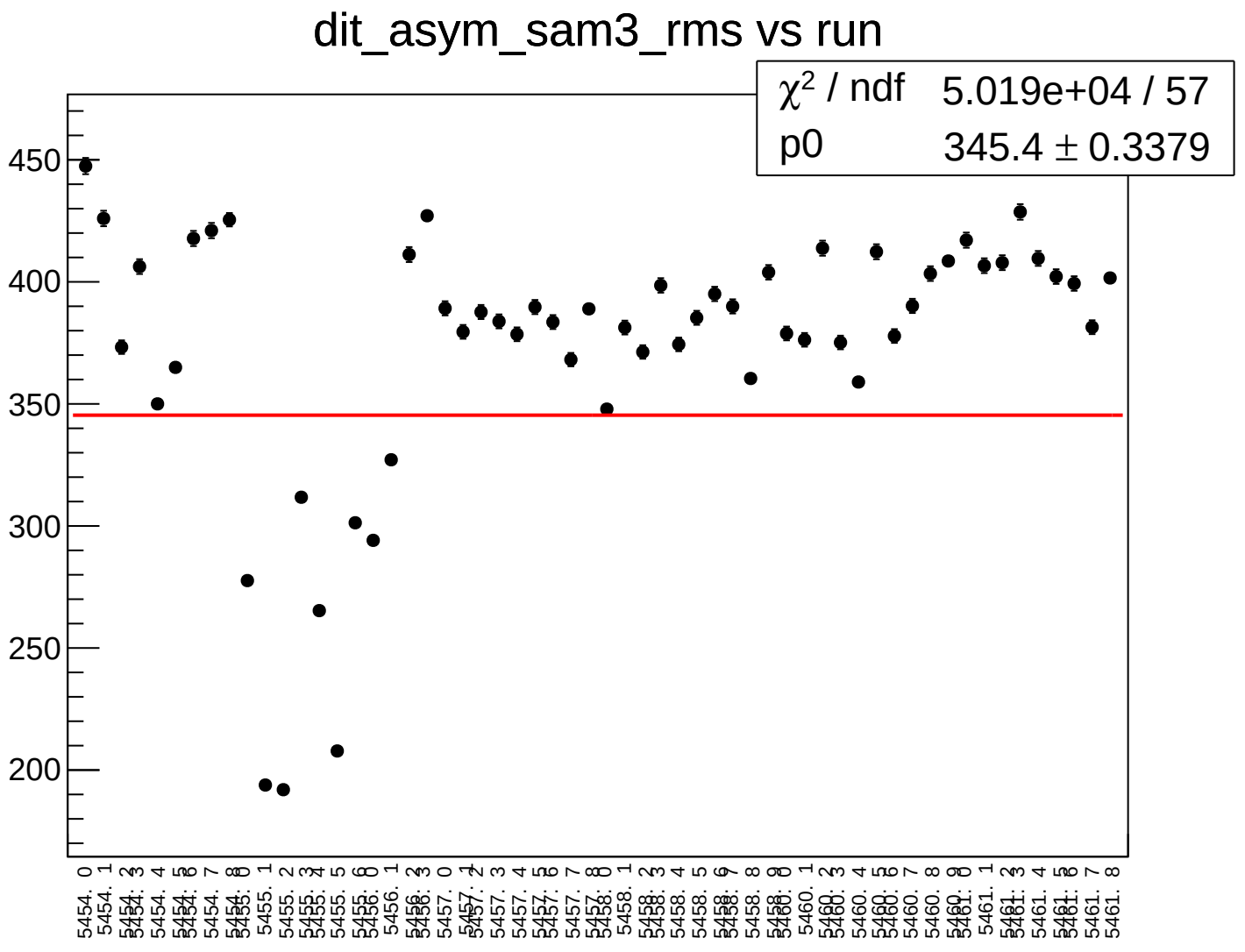

asym_sam2_mean vs run
×10^3
χ² / ndf 69.57 / 57
p0 −541.3 ± 6054
150
100
50
0
−50
−100
−150
−200
pull
Entries 58
Mean 306.5
Std Dev 276.9
2
1
0
−1
−2

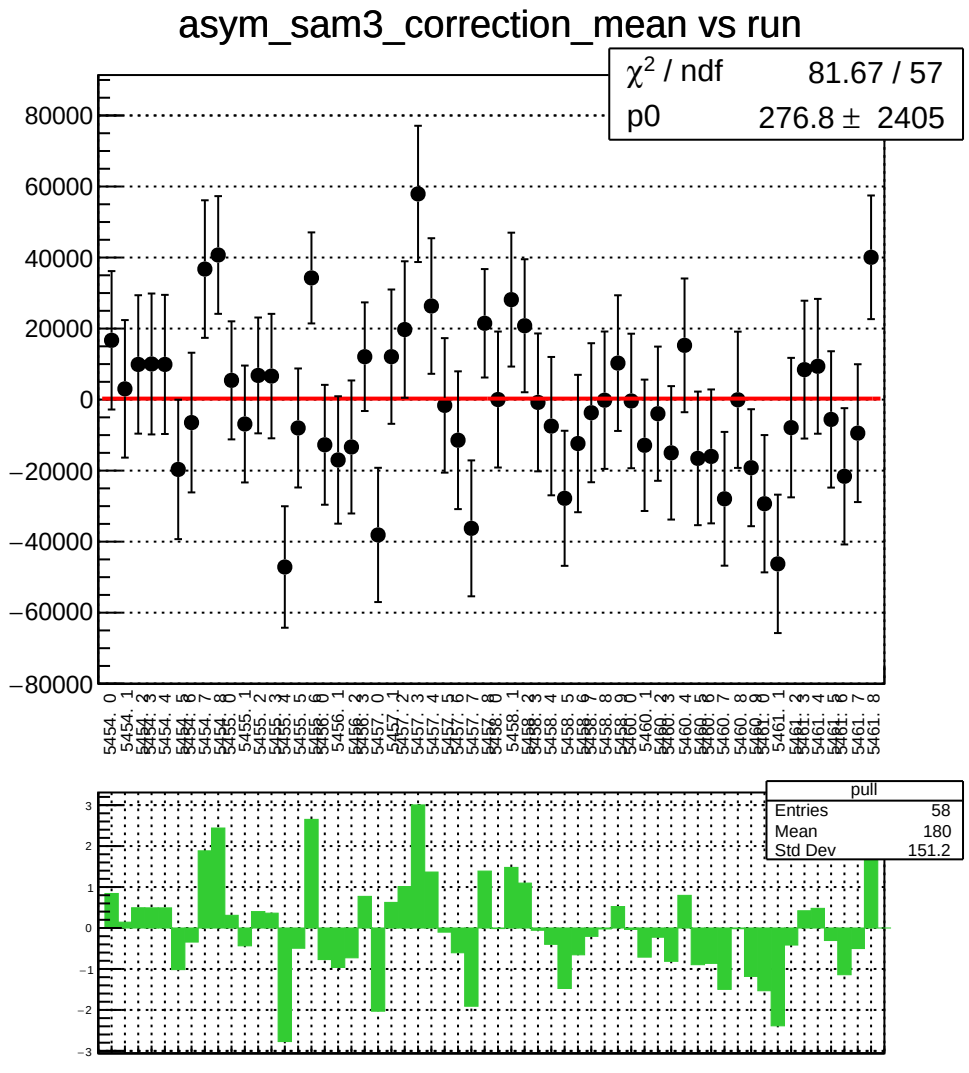

pull1D
Entries 58
Mean 0.01679
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

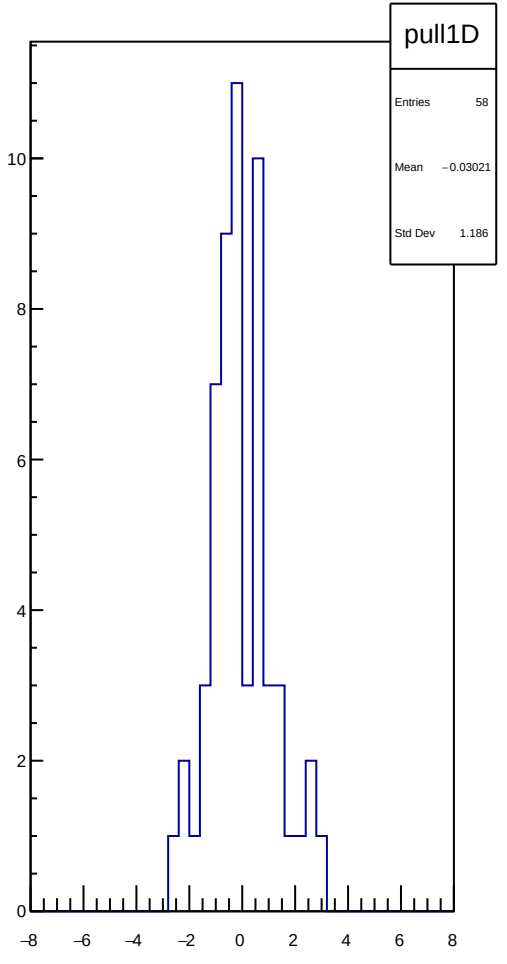

asym_sam2_rms vs run
χ² / ndf 1146 / 57
p0 4477 ± 4.281
5000
4900
4800
4700
4600
4500
4400
4300
4200

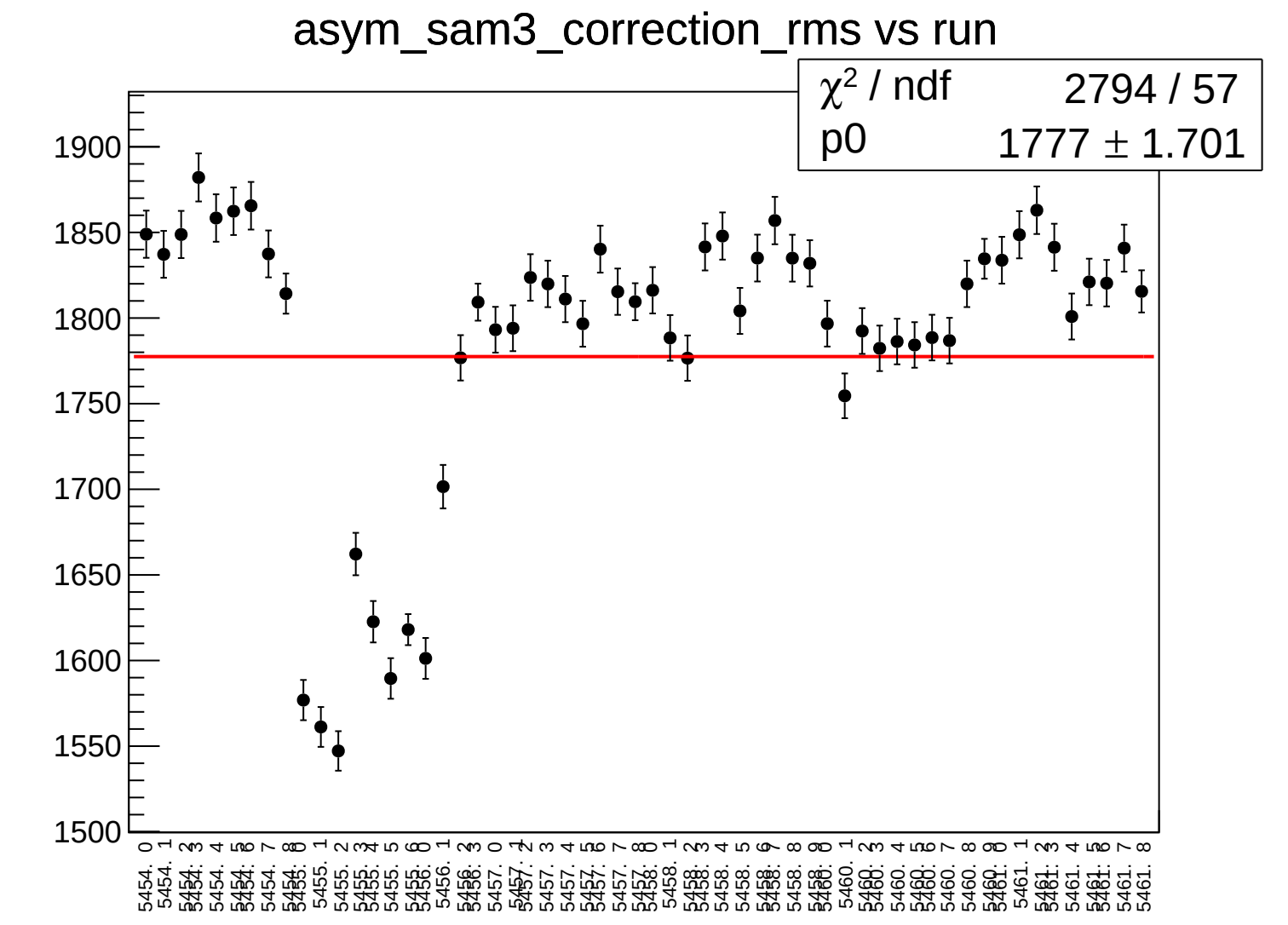

dit_asym_sam3_mean vs run
χ^2 / ndf 82.62 / 57
p0 43.25 ± 477.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 103.7
Std Dev 68.96

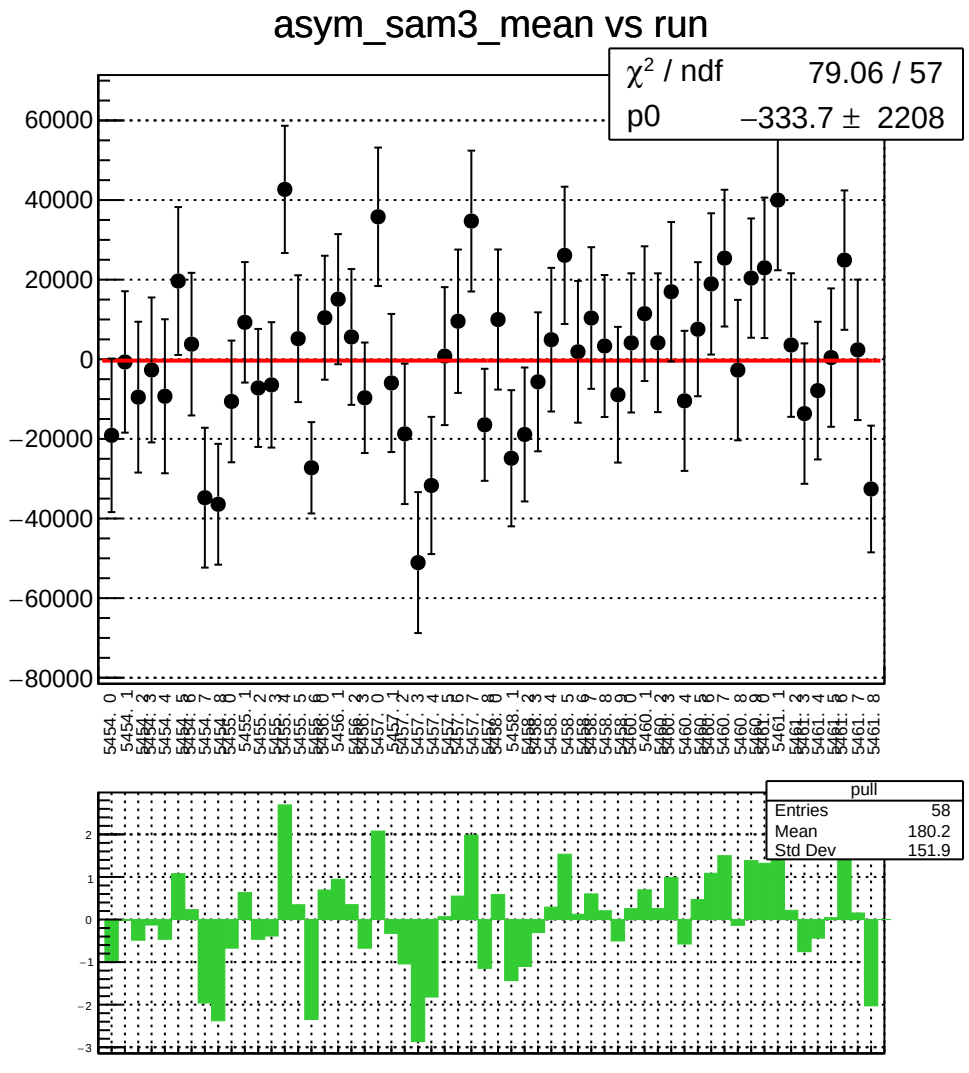

pull1D
Entries 58
Mean −0.03282
Std Dev 1.193
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

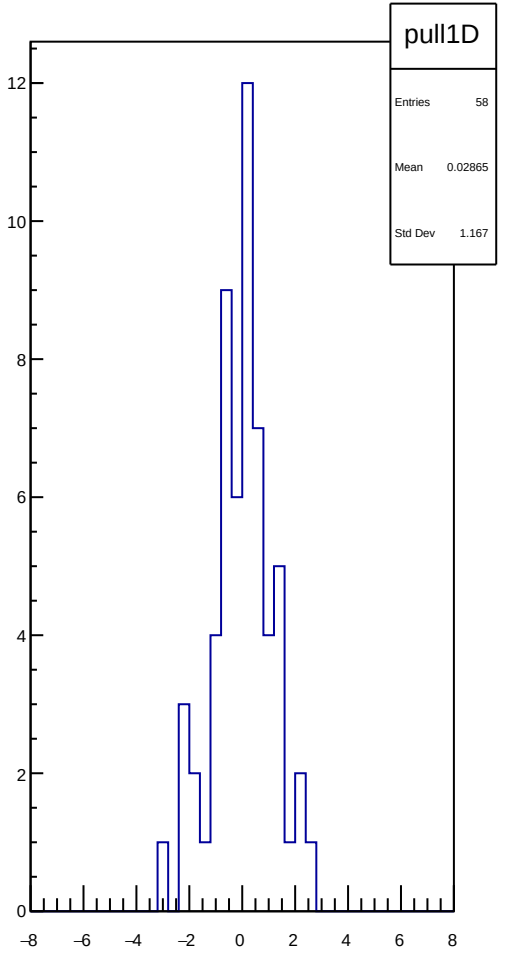

dit_asym_sam3_rms vs run
χ² / ndf 5.019e+04 / 57
p0 345.4 ± 0.3379
450
400
350
300
250
200

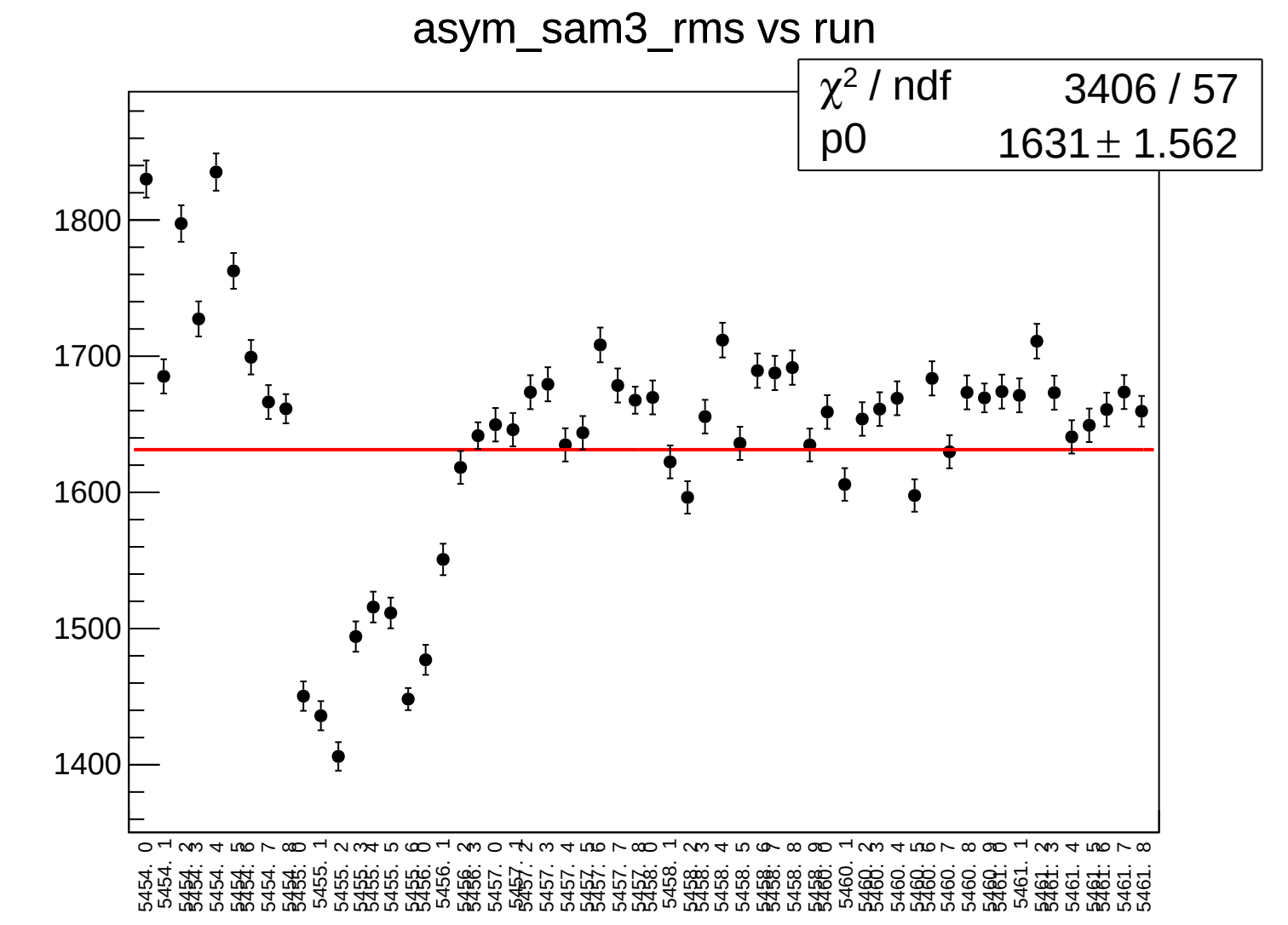

asym_sam3_correction_mean vs run
χ² / ndf 81.67 / 57
p0 276.8 ± 2405
pull
Entries 58
Mean 180
Std Dev 151.2

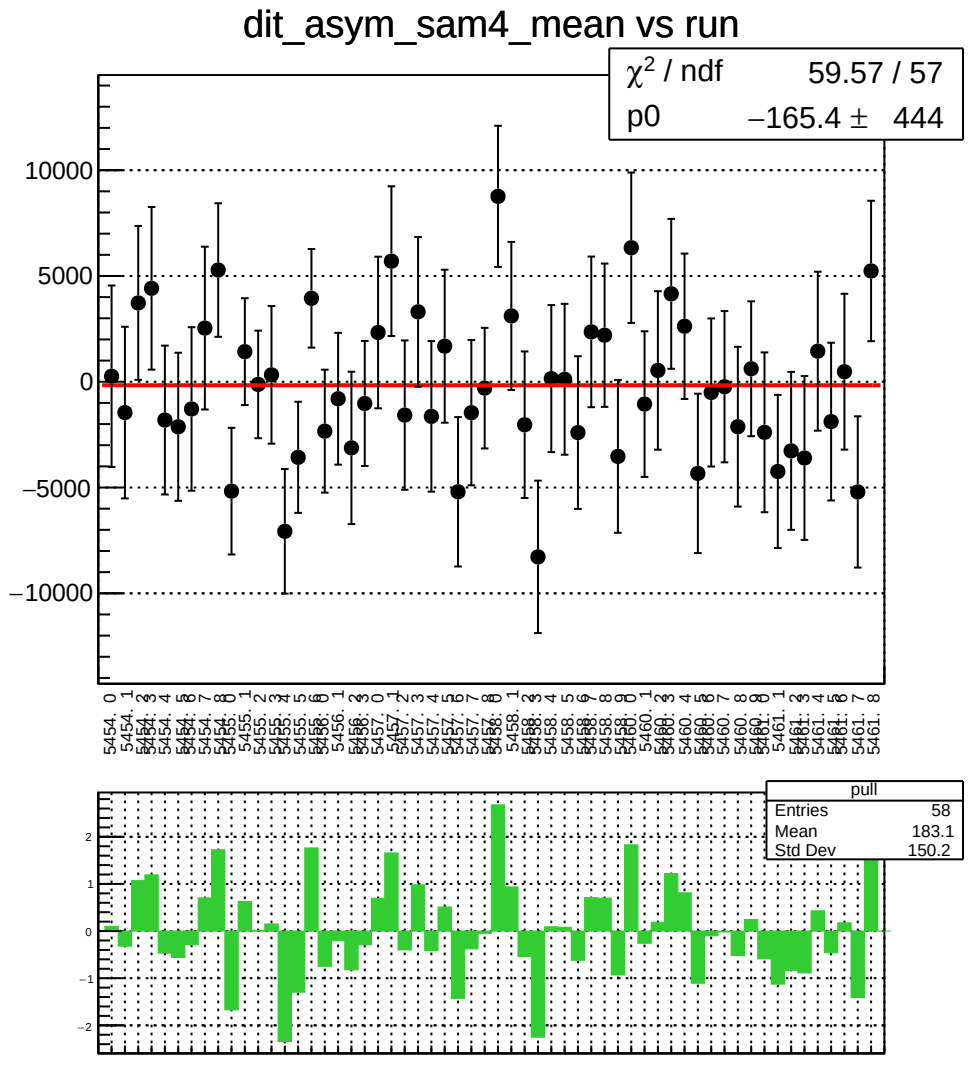

pull1D
Entries 58
Mean −0.03021
Std Dev 1.186

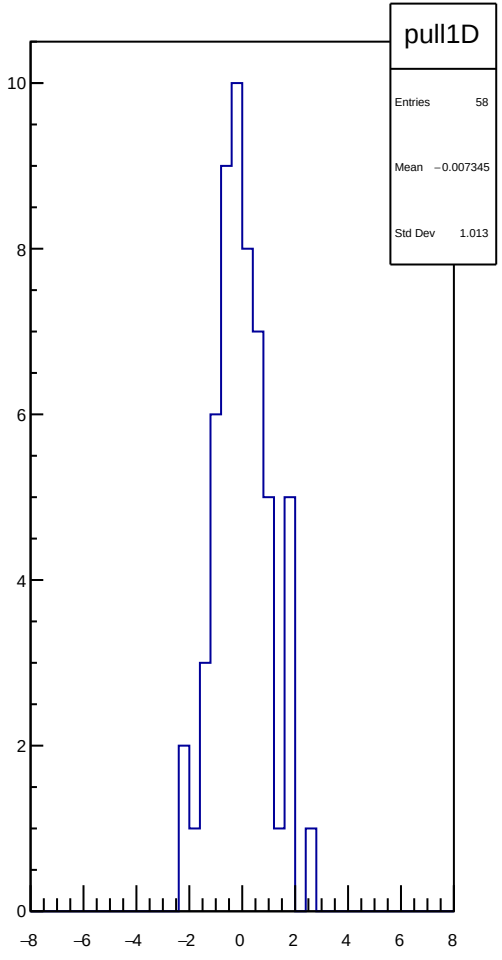

asym_sam3_correction_rms vs run
χ² / ndf 2794 / 57
p0 1777 ± 1.701
1900
1850
1800
1750
1700
1650
1600
1550
1500

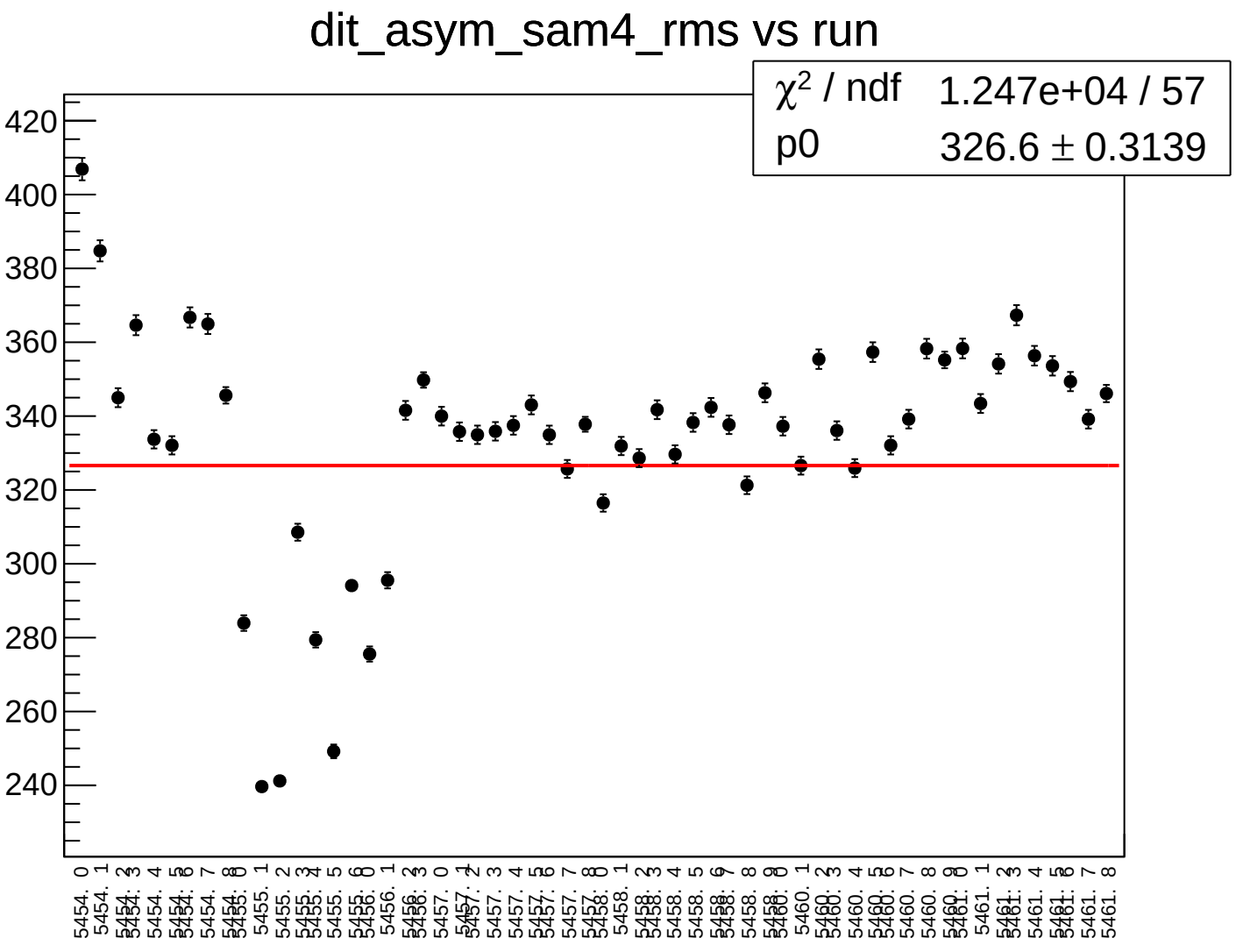

asym_sam3_mean vs run
χ² / ndf 79.06 / 57
p0 −333.7 ± 2208
pull
Entries 58
Mean 180.2
Std Dev 151.9

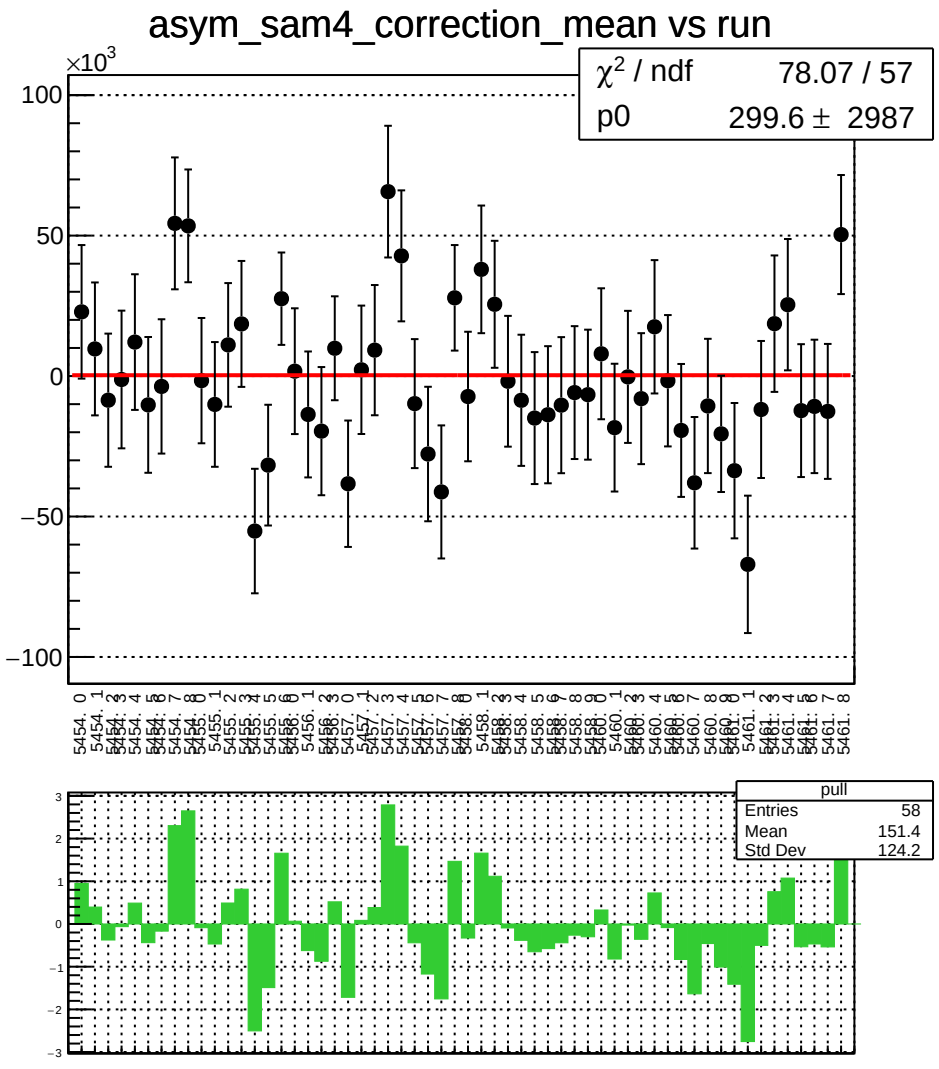

pull1D
Entries 58
Mean 0.02865
Std Dev 1.167

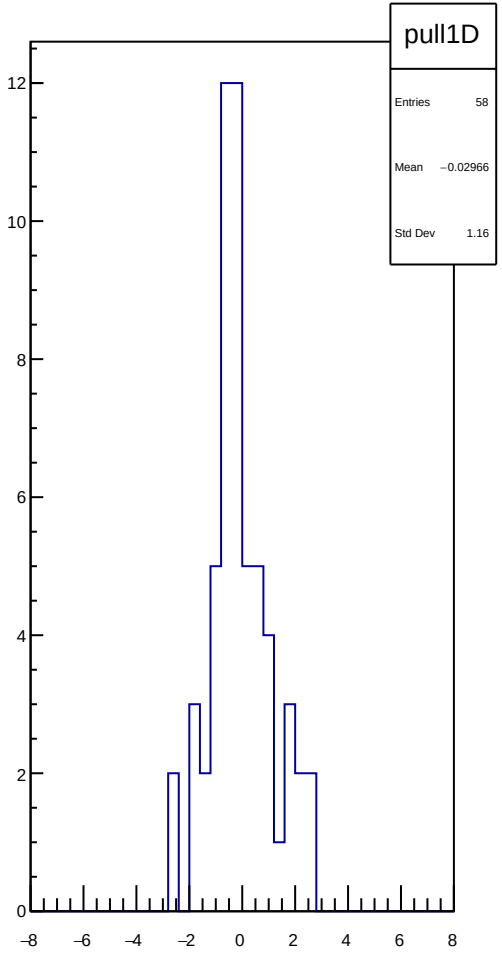

asym_sam3_rms vs run
χ² / ndf 3406 / 57
p0 1631 ± 1.562
1800
1700
1600
1500
1400

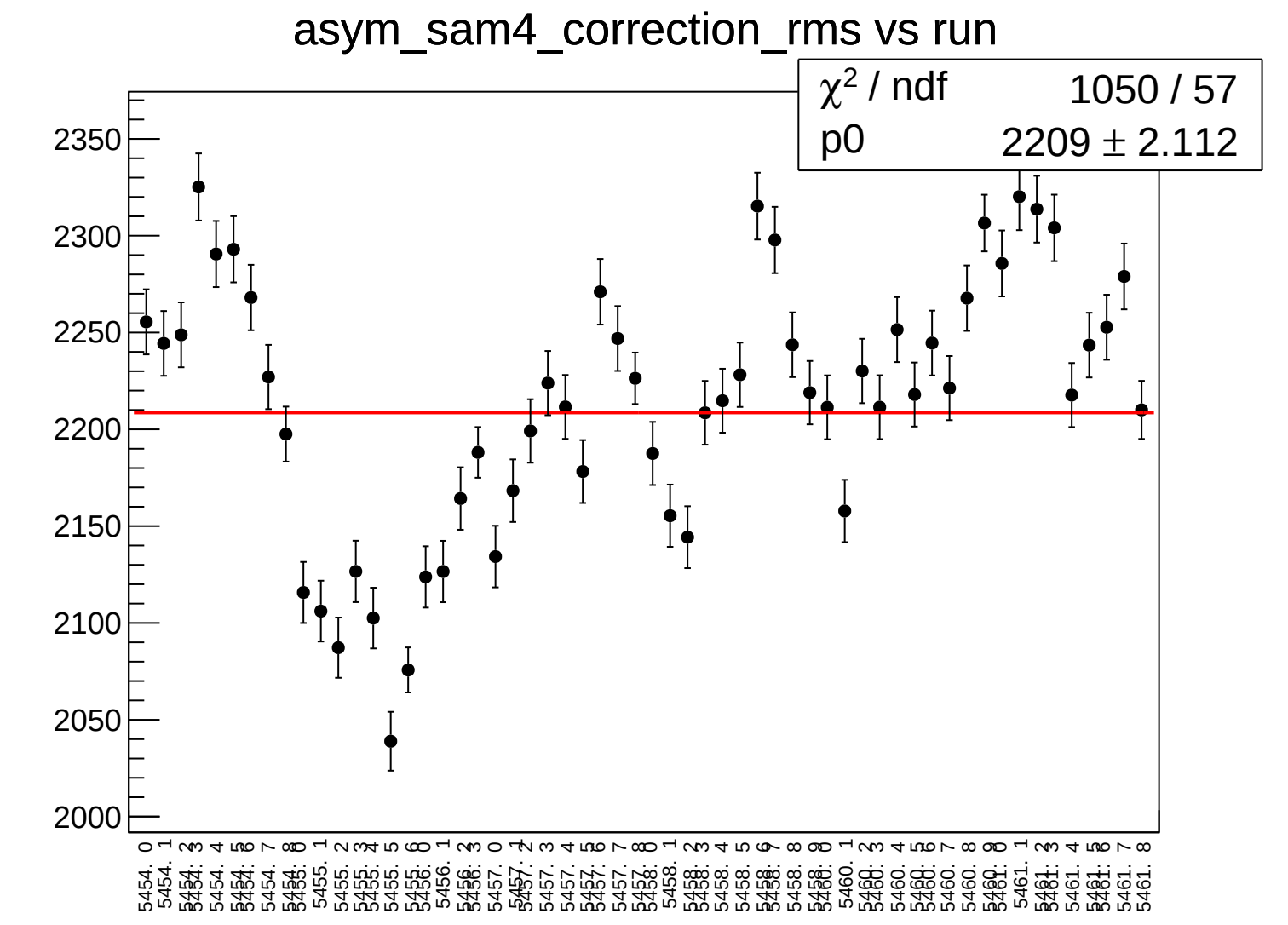

dit_asym_sam4_mean vs run
χ² / ndf 59.57 / 57
p0 −165.4 ± 444
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 183.1
Std Dev 150.2
2
1
0
−1
−2

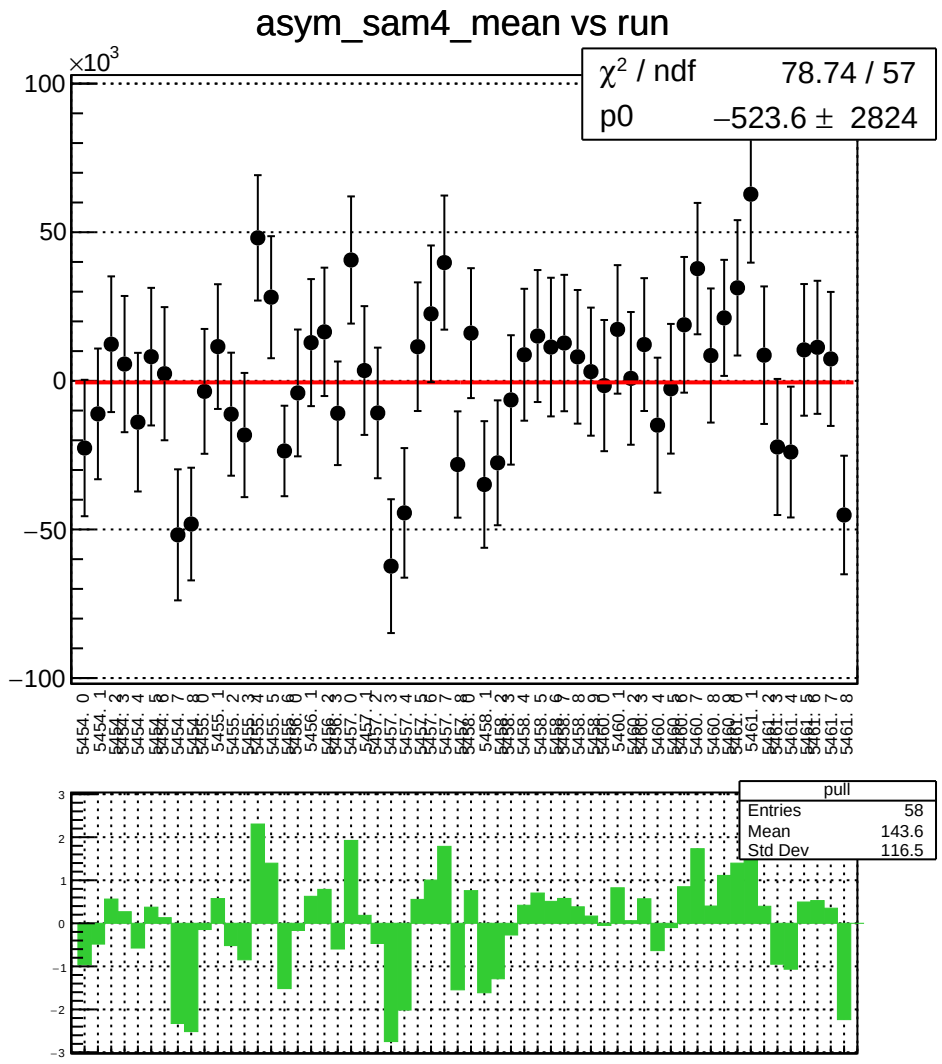

pull1D
Entries 58
Mean −0.007345
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

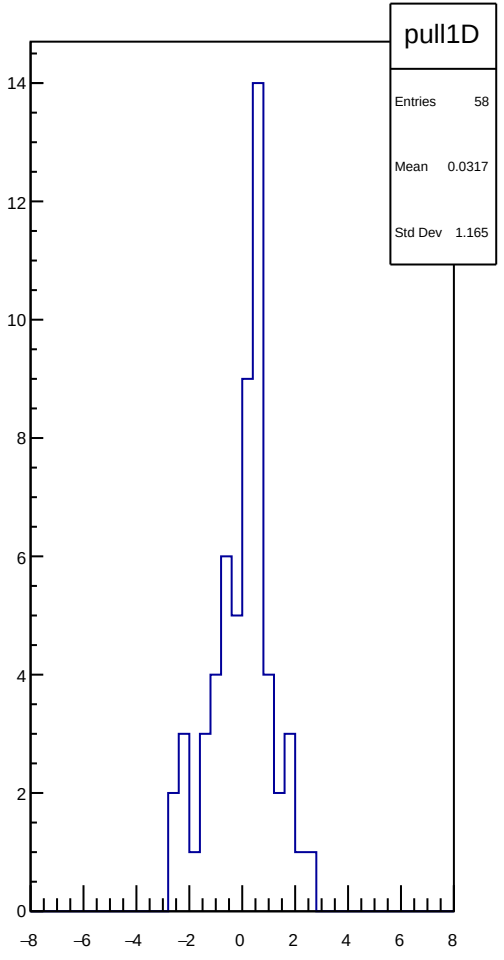

dit_asym_sam4_rms vs run
χ² / ndf 1.247e+04 / 57
p0 326.6 ± 0.3139
420
400
380
360
340
320
300
280
260
240

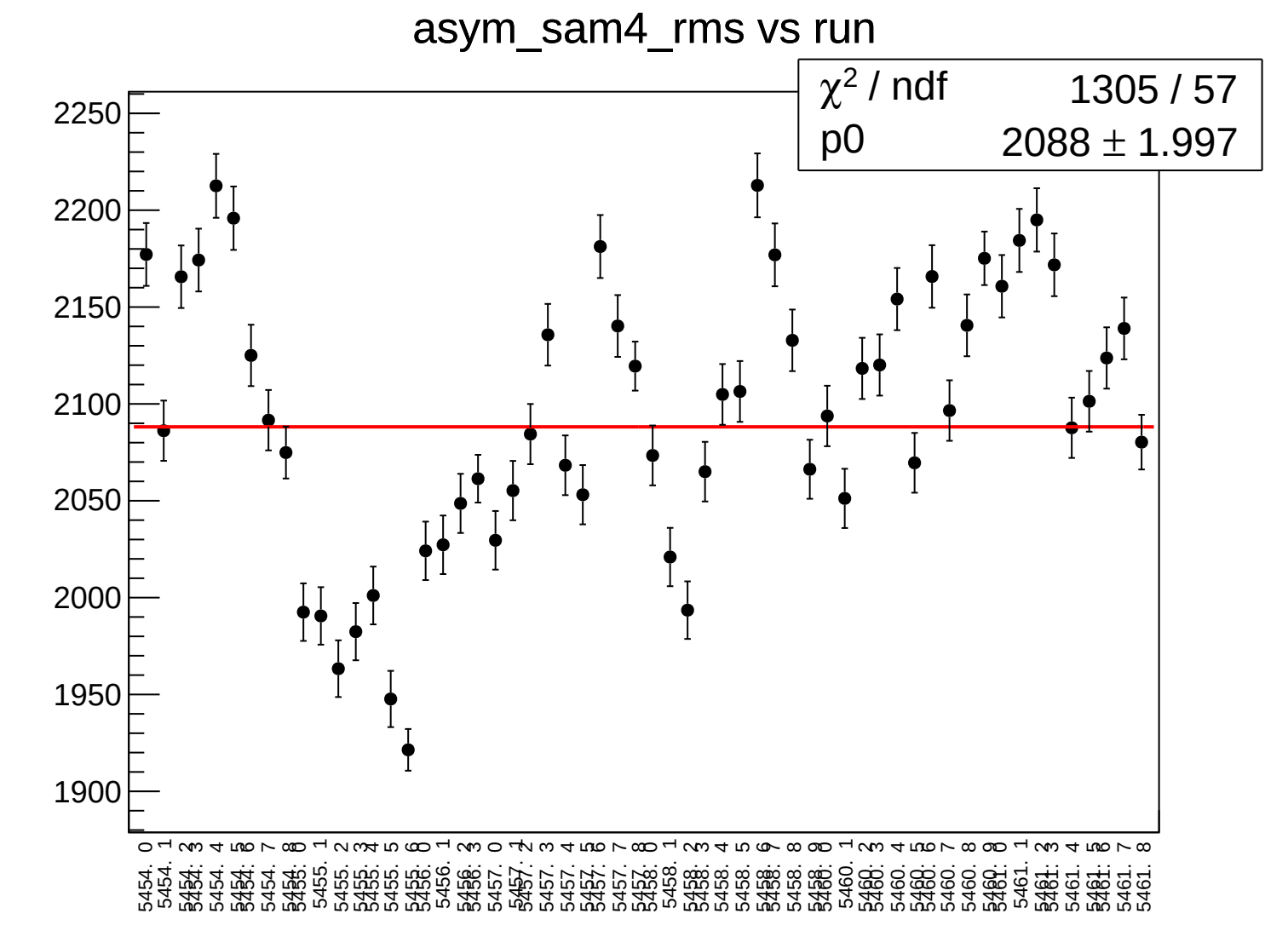

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 78.07 / 57
p0 299.6 ± 2987
pull
Entries 58
Mean 151.4
Std Dev 124.2

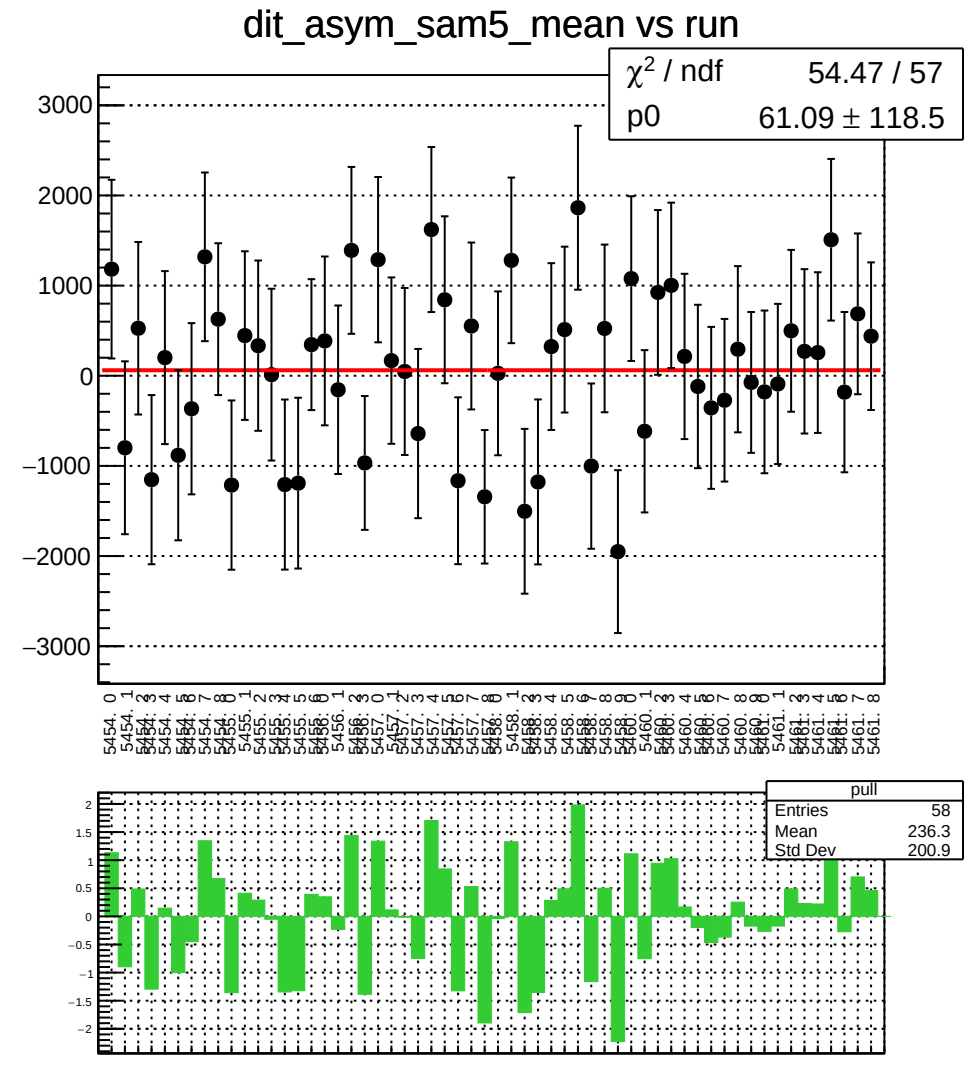

pull1D
Entries 58
Mean −0.02966
Std Dev 1.16

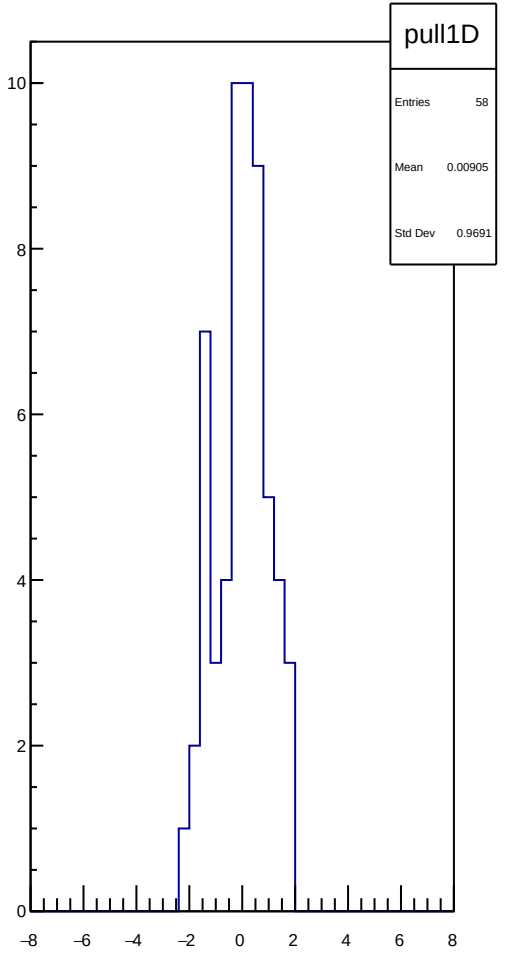

asym_sam4_correction_rms vs run
χ² / ndf 1050 / 57
p0 2209 ± 2.112
2350
2300
2250
2200
2150
2100
2050
2000

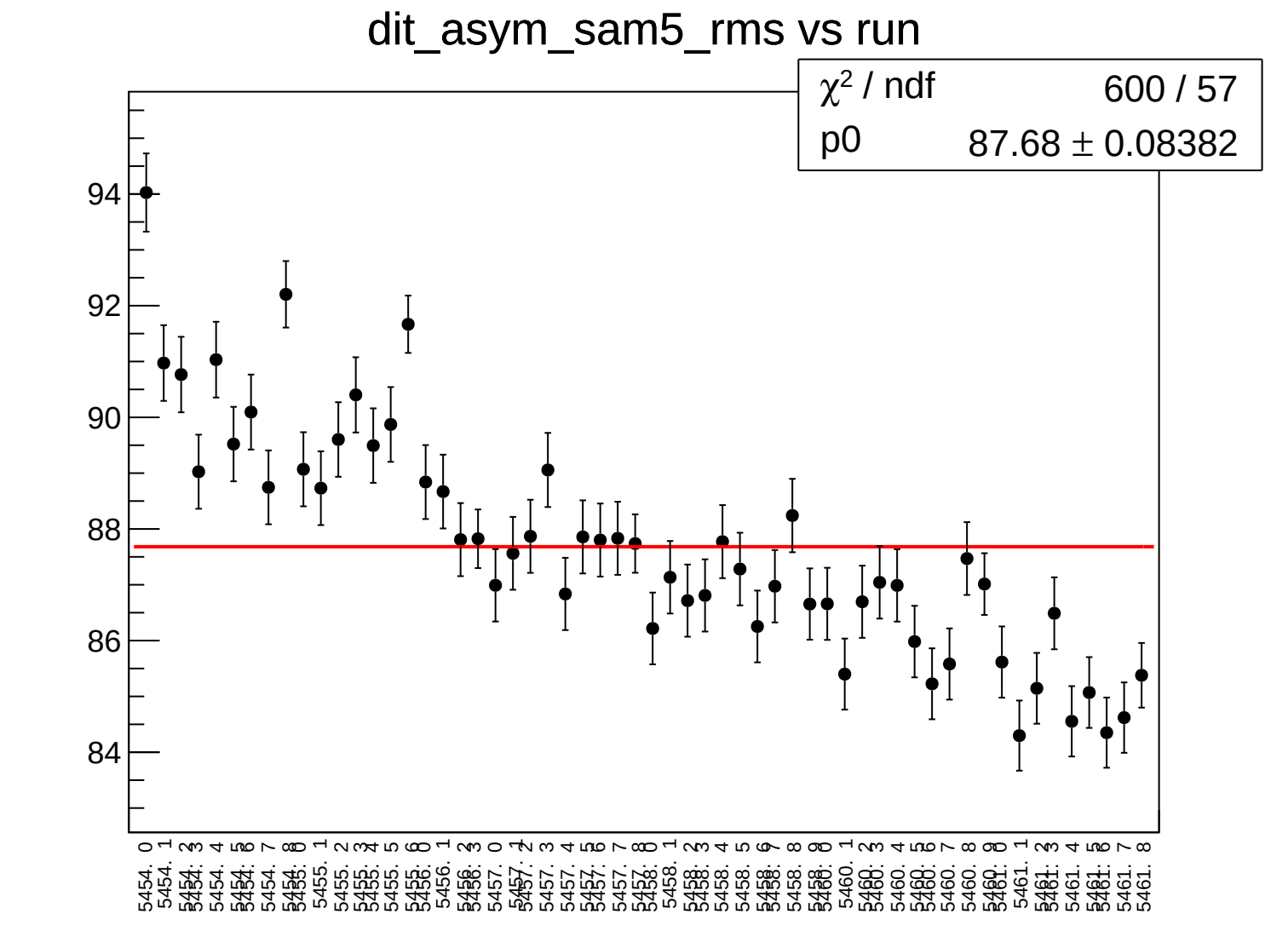

asym_sam4_mean vs run
×10^3
χ² / ndf 78.74 / 57
p0 −523.6 ± 2824
pull
Entries 58
Mean 143.6
Std Dev 116.5

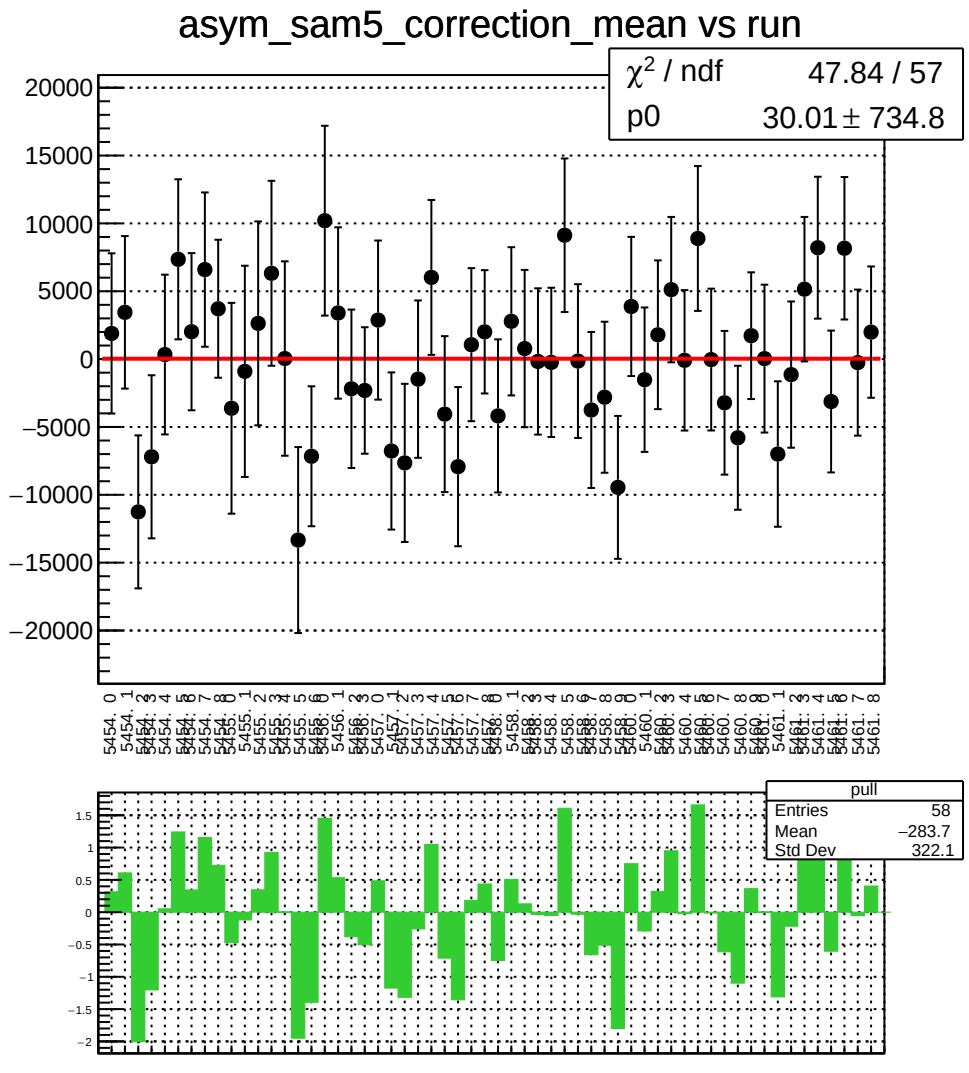

pull1D
Entries 58
Mean 0.0317
Std Dev 1.165

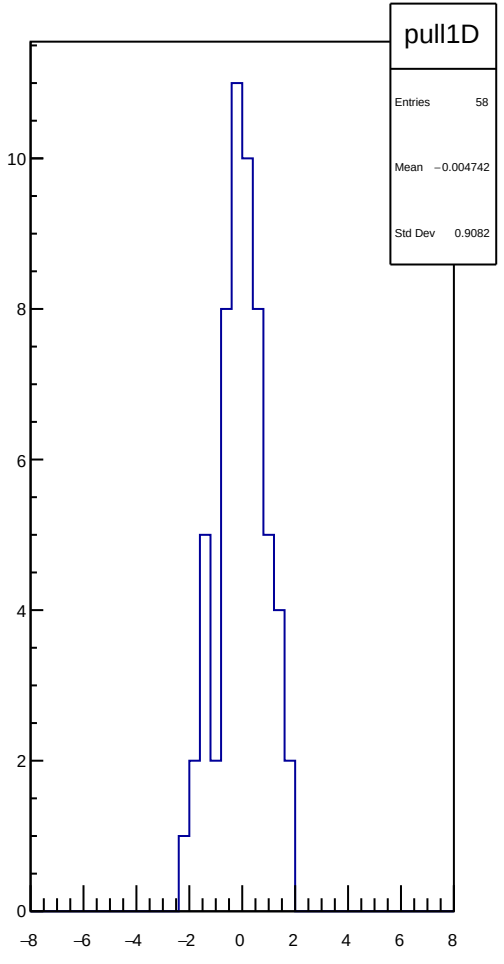

asym_sam4_rms vs run
χ² / ndf 1305 / 57
p0 2088 ± 1.997
2250
2200
2150
2100
2050
2000
1950
1900
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

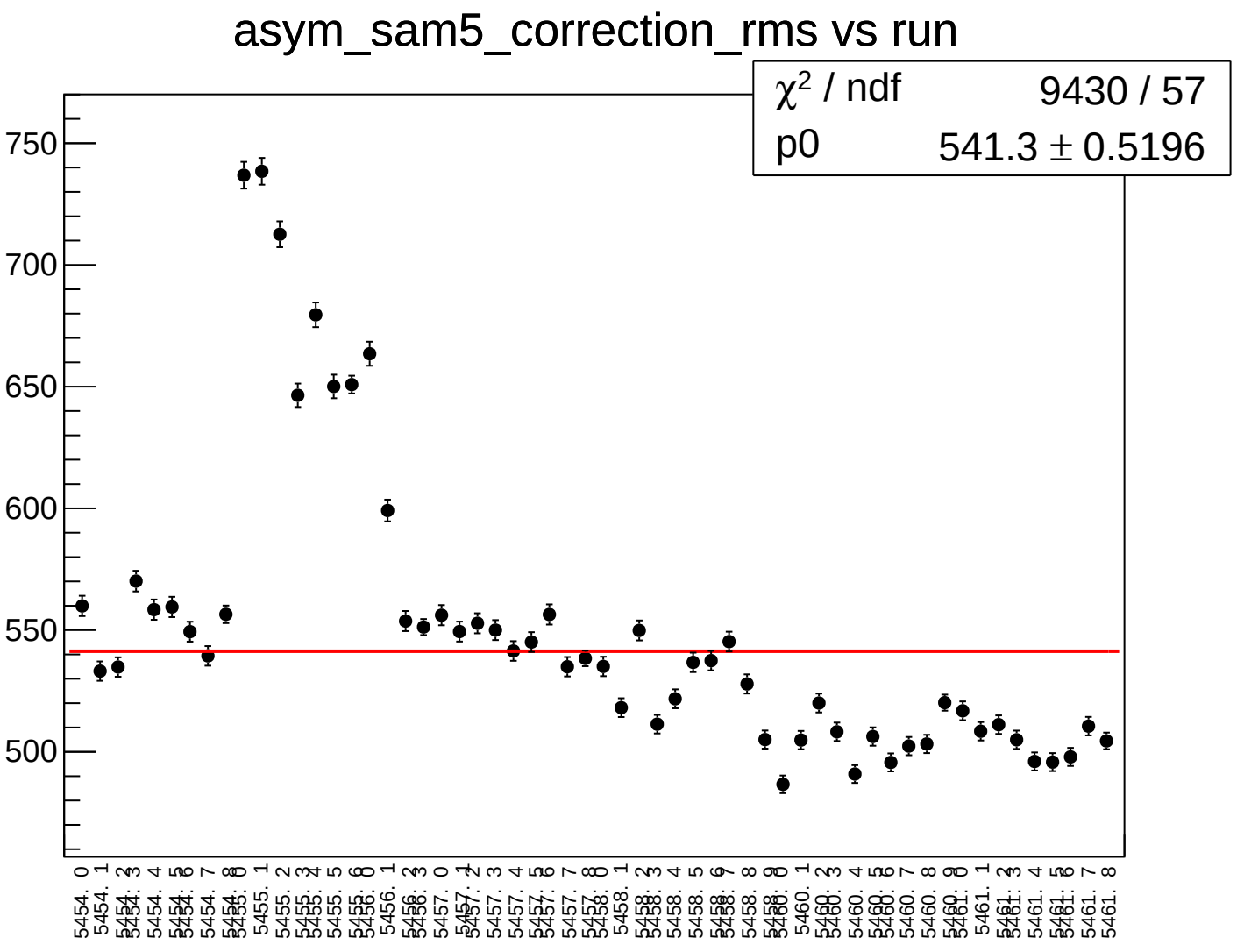

dit_asym_sam5_mean vs run
χ² / ndf 54.47 / 57
p0 61.09 ± 118.5
pull
Entries 58
Mean 236.3
Std Dev 200.9

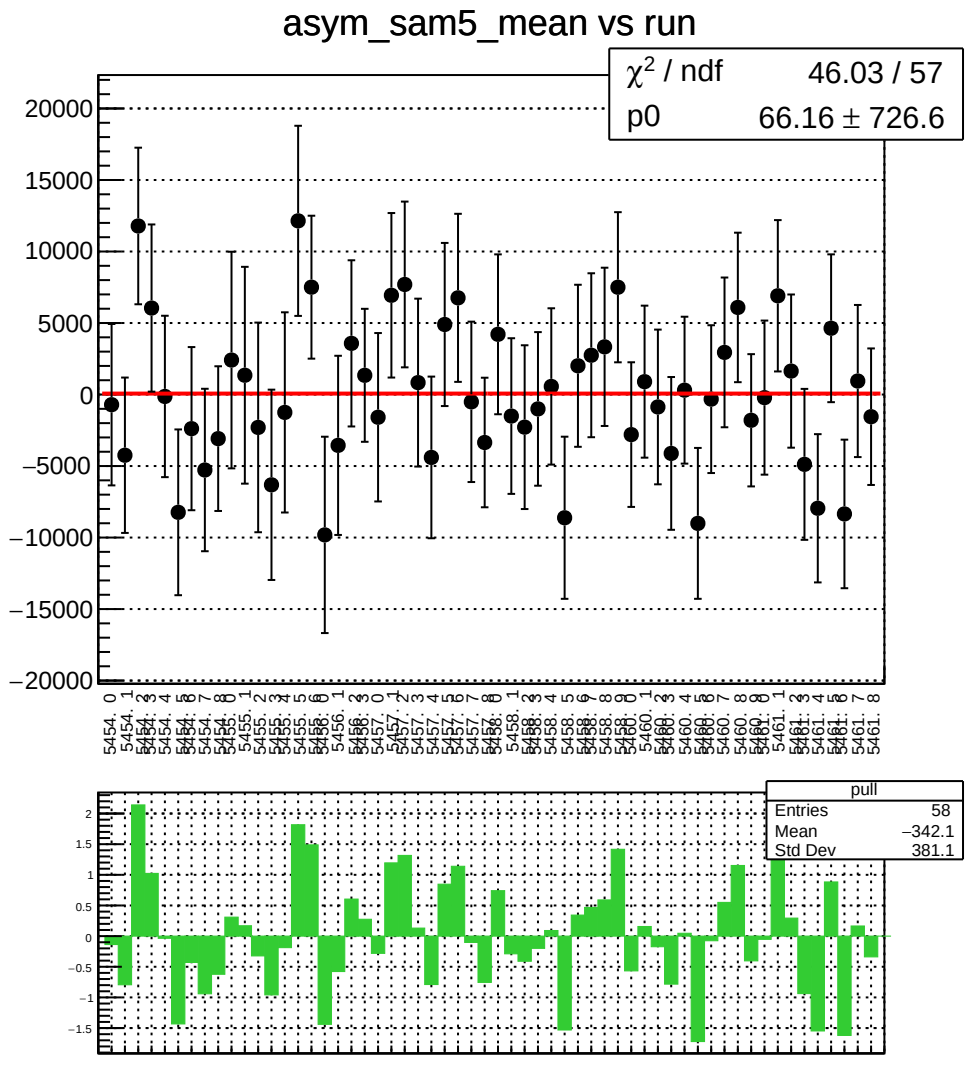

pull1D
Entries 58
Mean 0.00905
Std Dev 0.9691

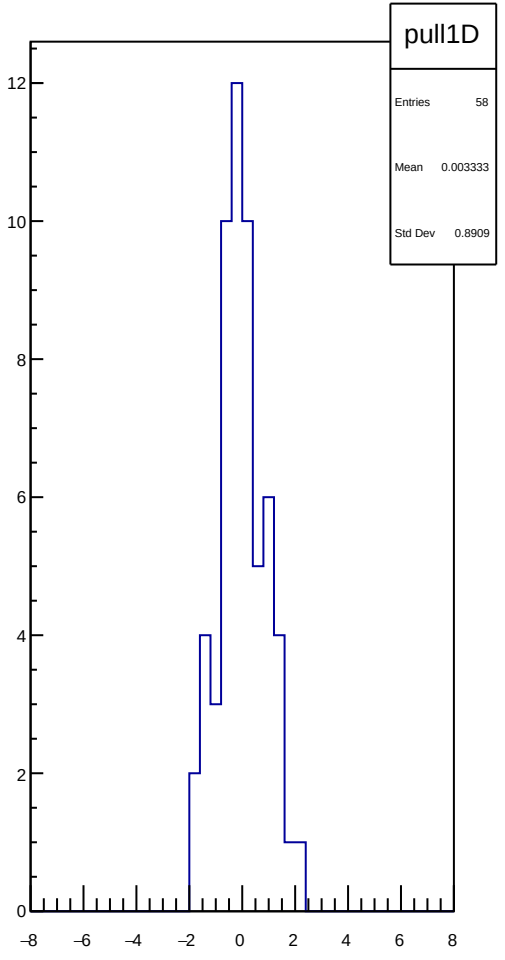

dit_asym_sam5_rms vs run
χ^2 / ndf 600 / 57
p0 87.68 ± 0.08382
94
92
90
88
86
84

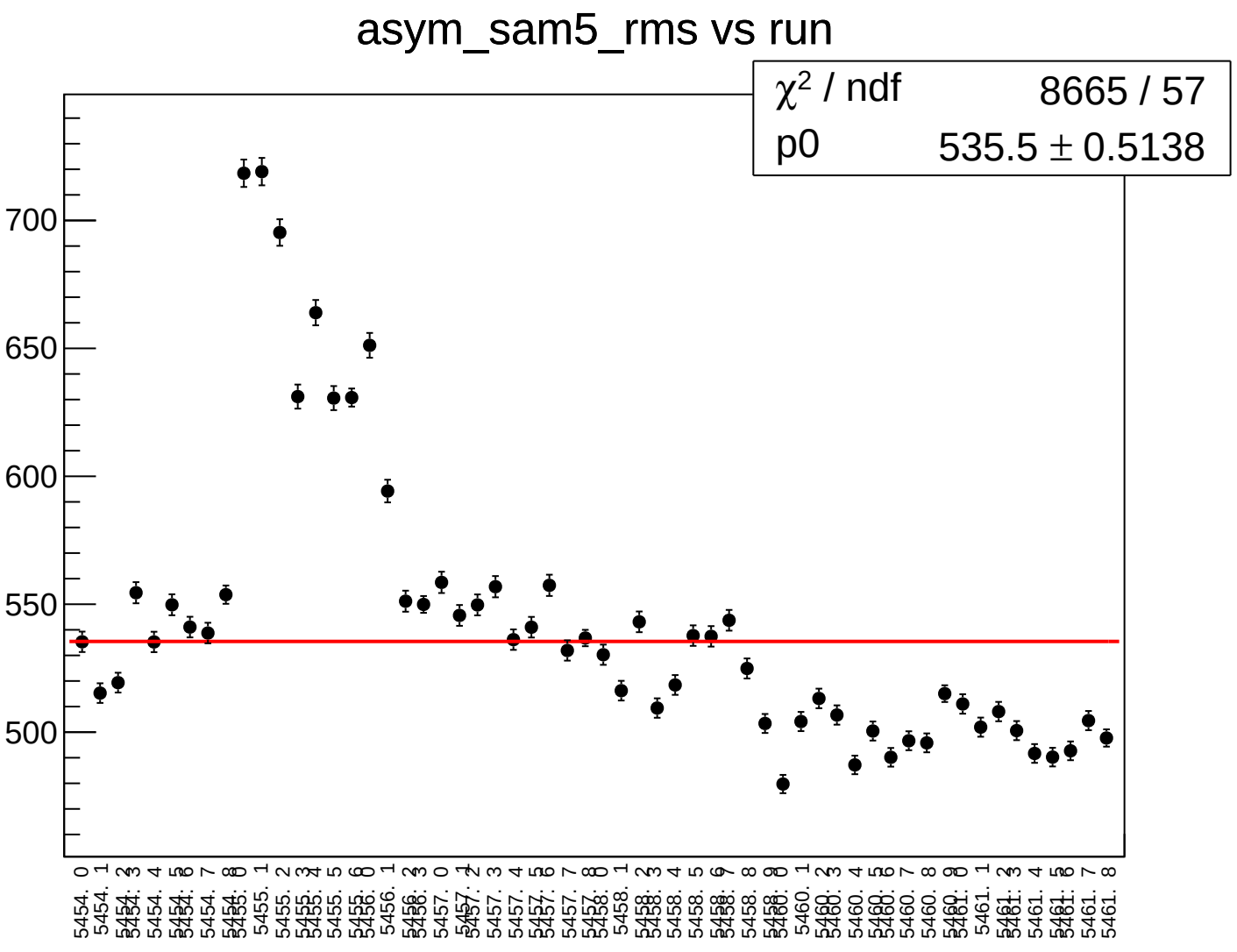

asym_sam5_correction_mean vs run
χ² / ndf 47.84 / 57
p0 30.01 ± 734.8
pull
Entries 58
Mean −283.7
Std Dev 322.1

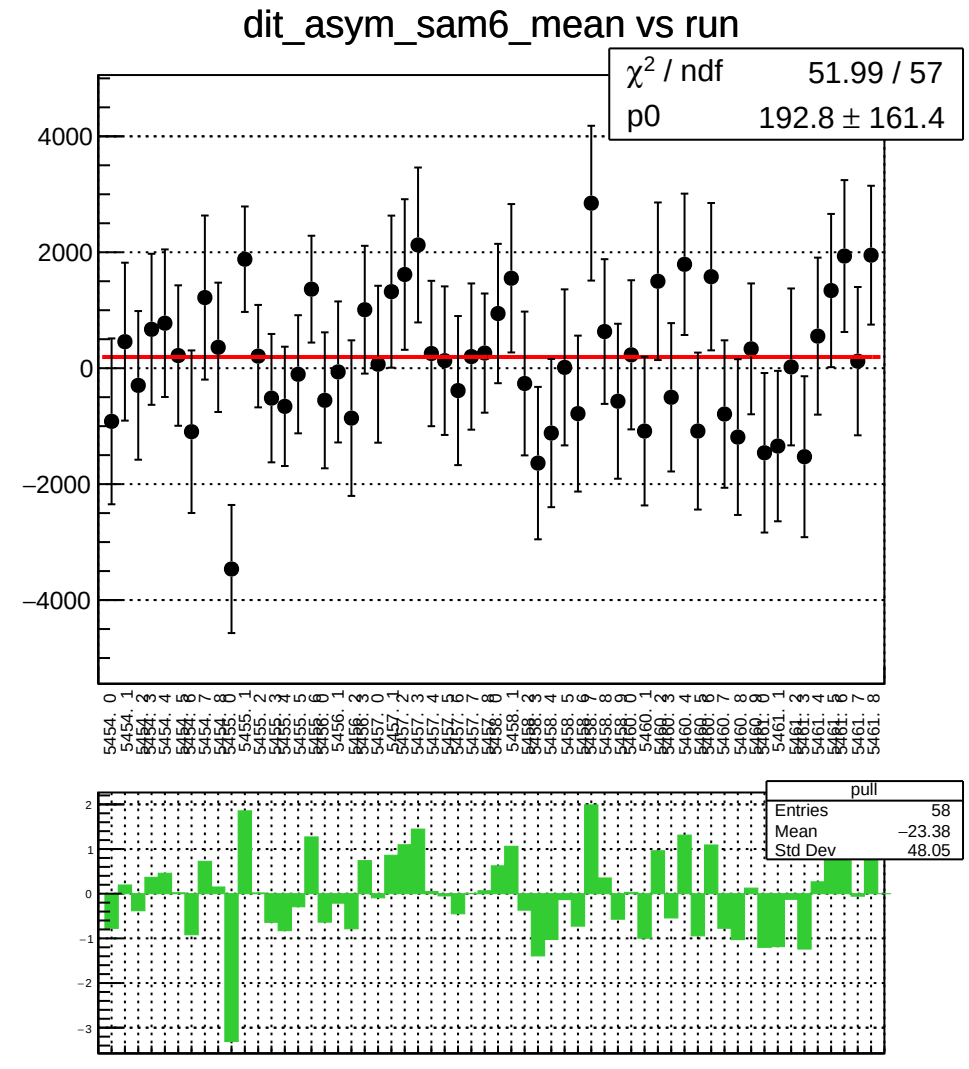

pull1D
Entries 58
Mean −0.004742
Std Dev 0.9082

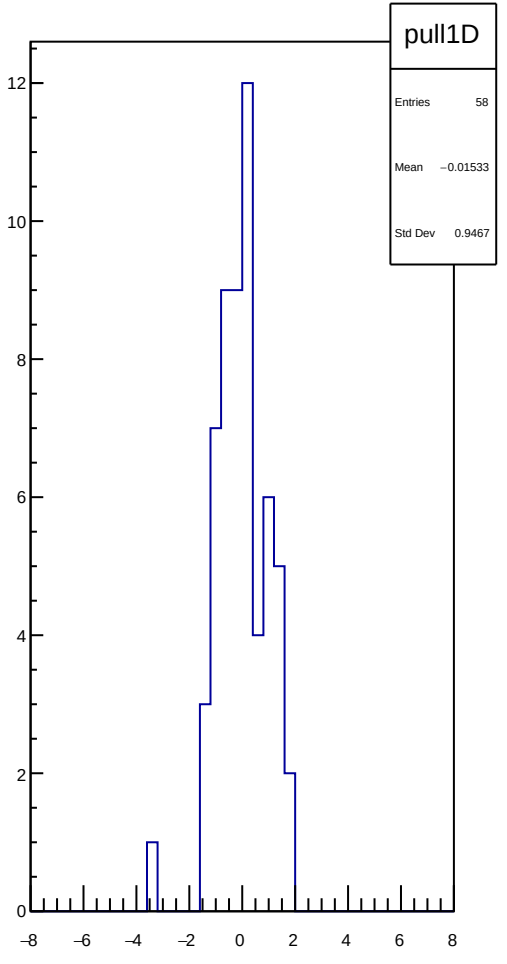

asym_sam5_correction_rms vs run
χ² / ndf 9430 / 57
p0 541.3 ± 0.5196
750
700
650
600
550
500

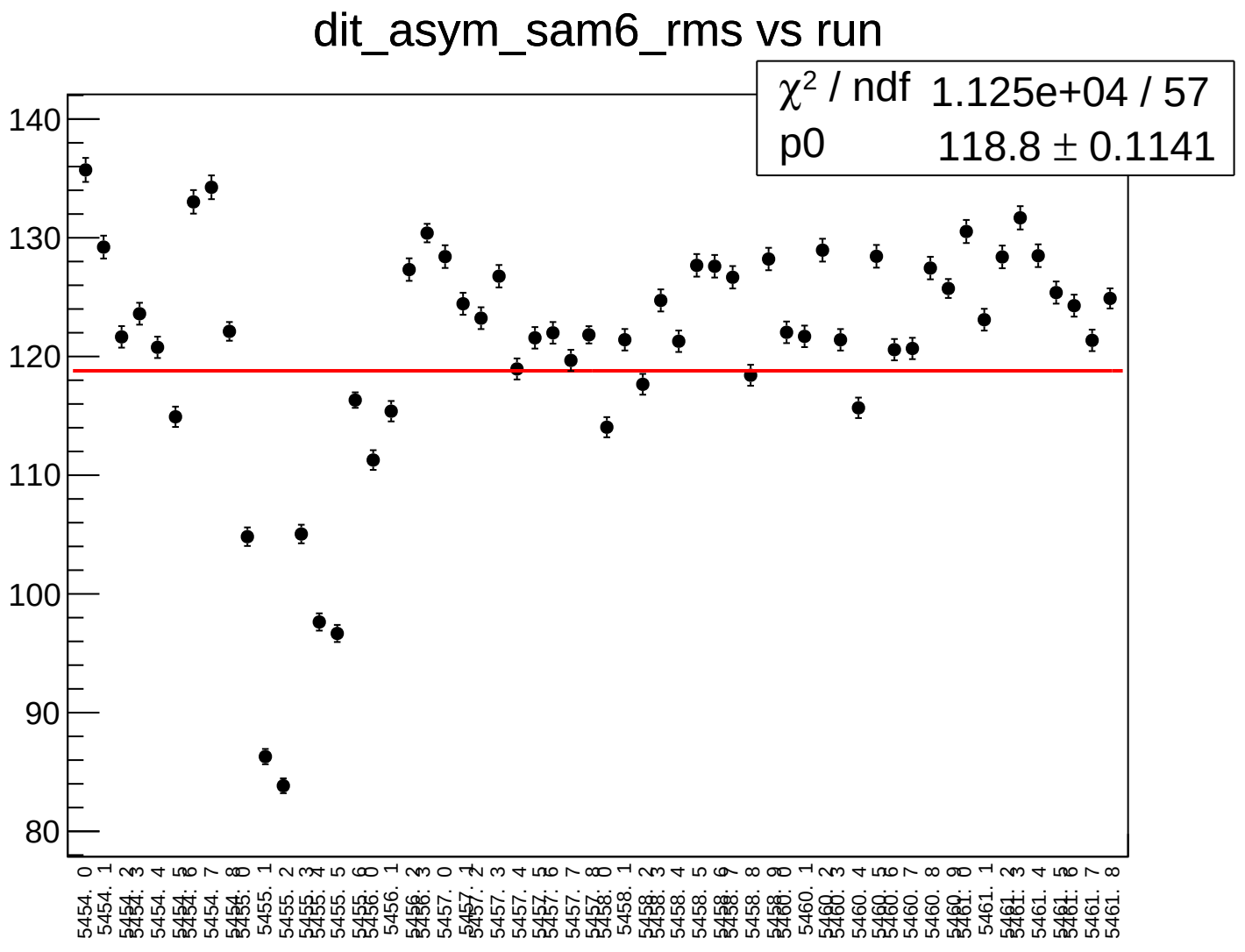

asym_sam5_mean vs run
χ² / ndf 46.03 / 57
p0 66.16 ± 726.6
pull
Entries 58
Mean −342.1
Std Dev 381.1

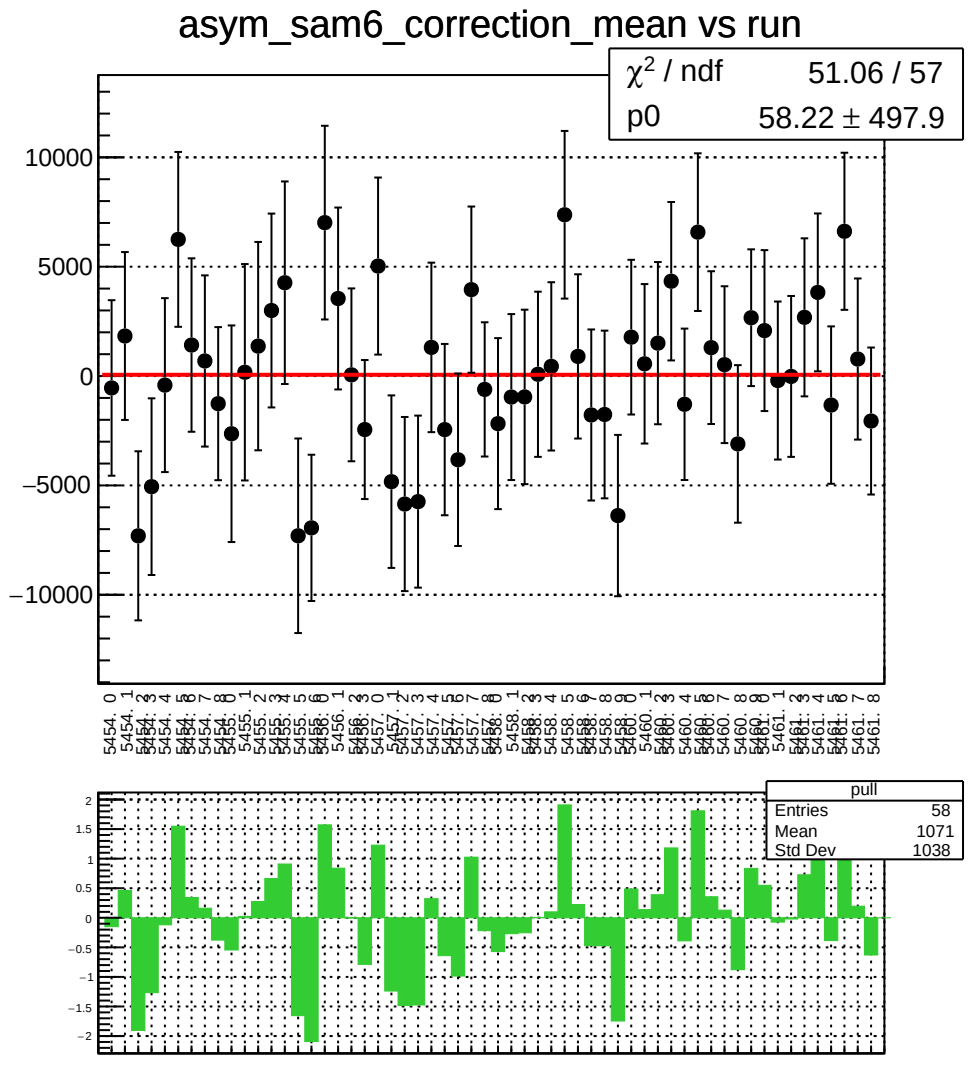

pull1D
Entries 58
Mean 0.003333
Std Dev 0.8909

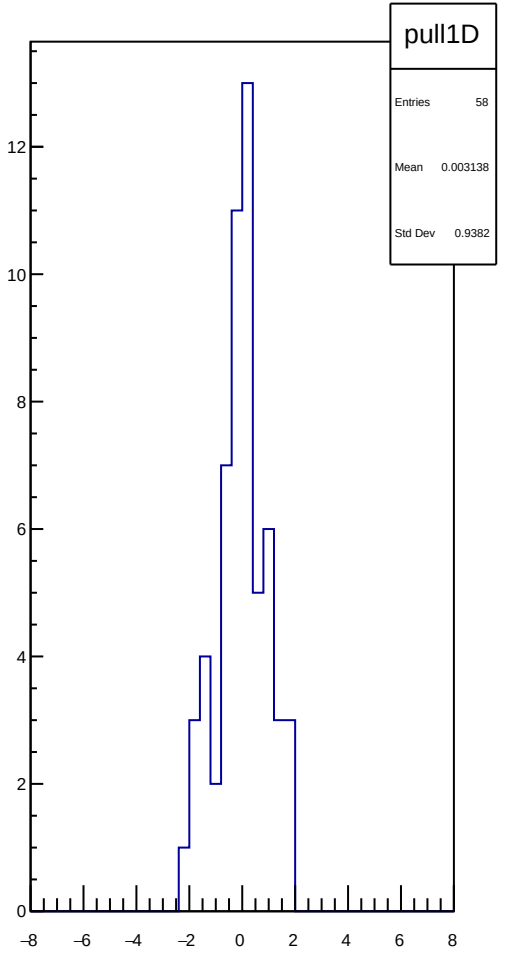

asym_sam5_rms vs run
χ² / ndf 8665 / 57
p0 535.5 ± 0.5138
700
650
600
550
500

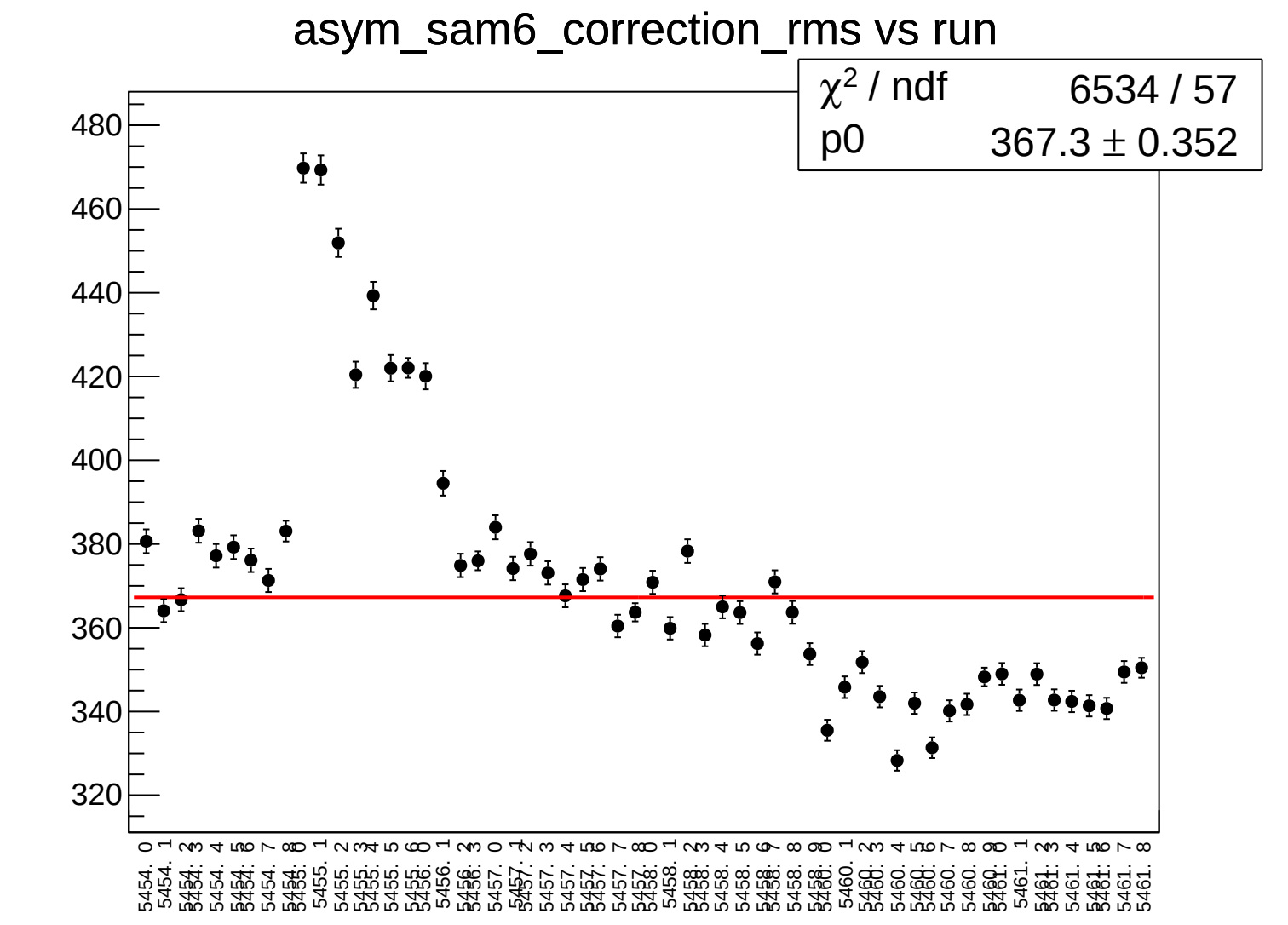

dit_asym_sam6_mean vs run
χ² / ndf 51.99 / 57
p0 192.8 ± 161.4
4000
2000
0
−2000
−4000
pull
Entries 58
Mean −23.38
Std Dev 48.05
2
1
0
−1
−2
−3

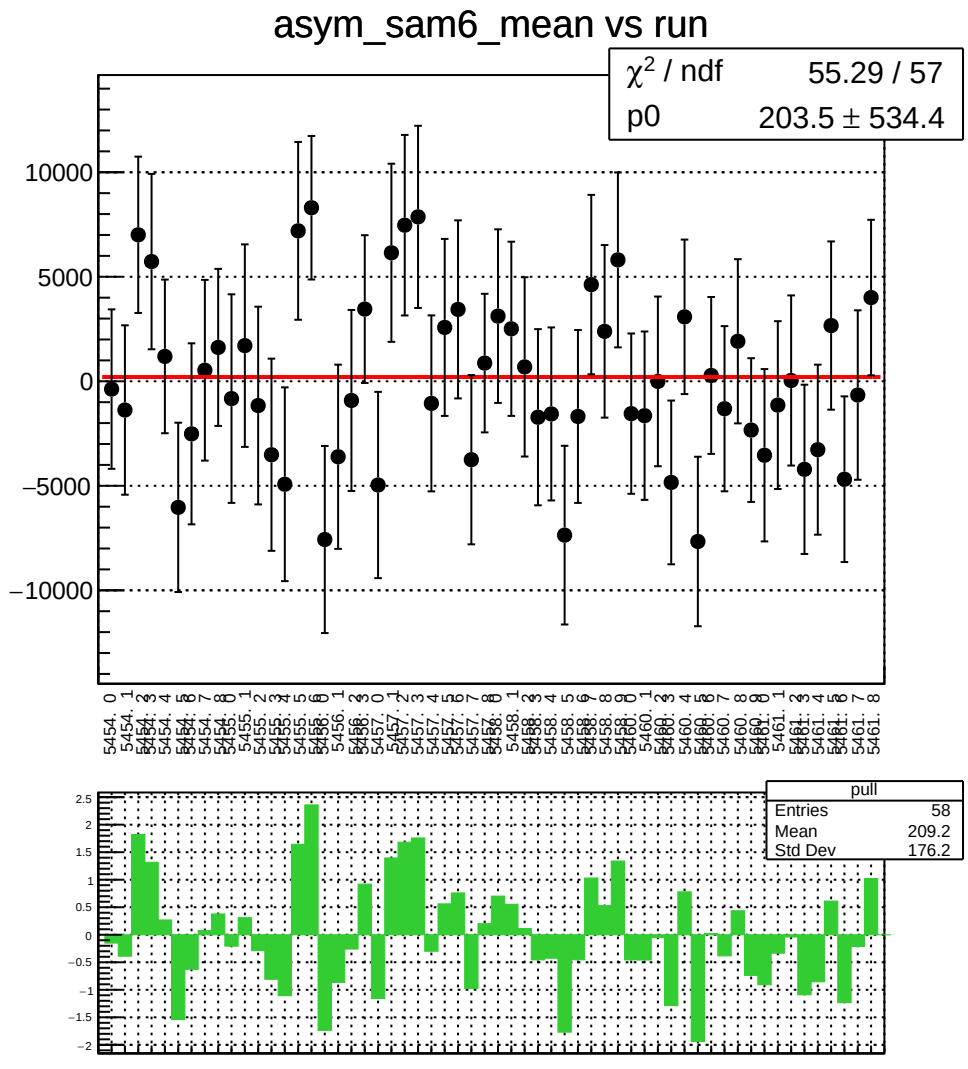

pull1D
Entries 58
Mean −0.01533
Std Dev 0.9467
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

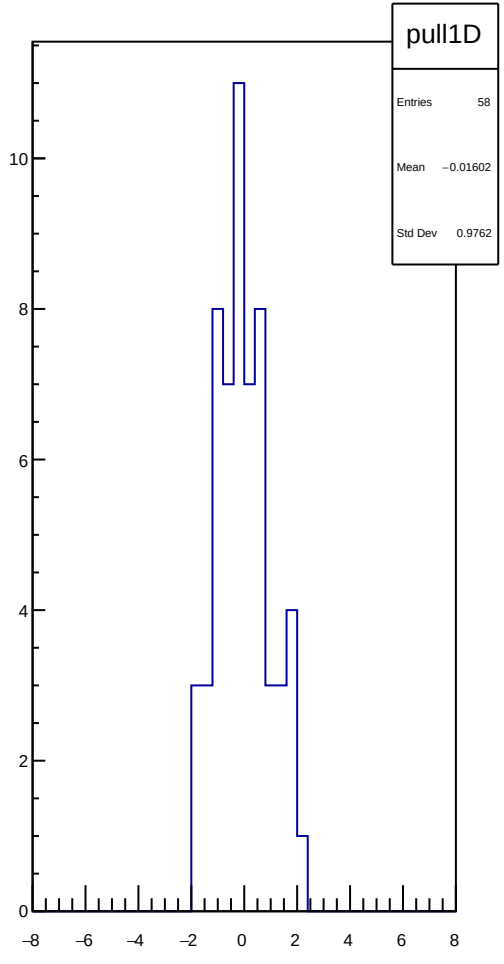

dit_asym_sam6_rms vs run
χ² / ndf 1.125e+04 / 57
p0 118.8 ± 0.1141
140
130
120
110
100
90
80

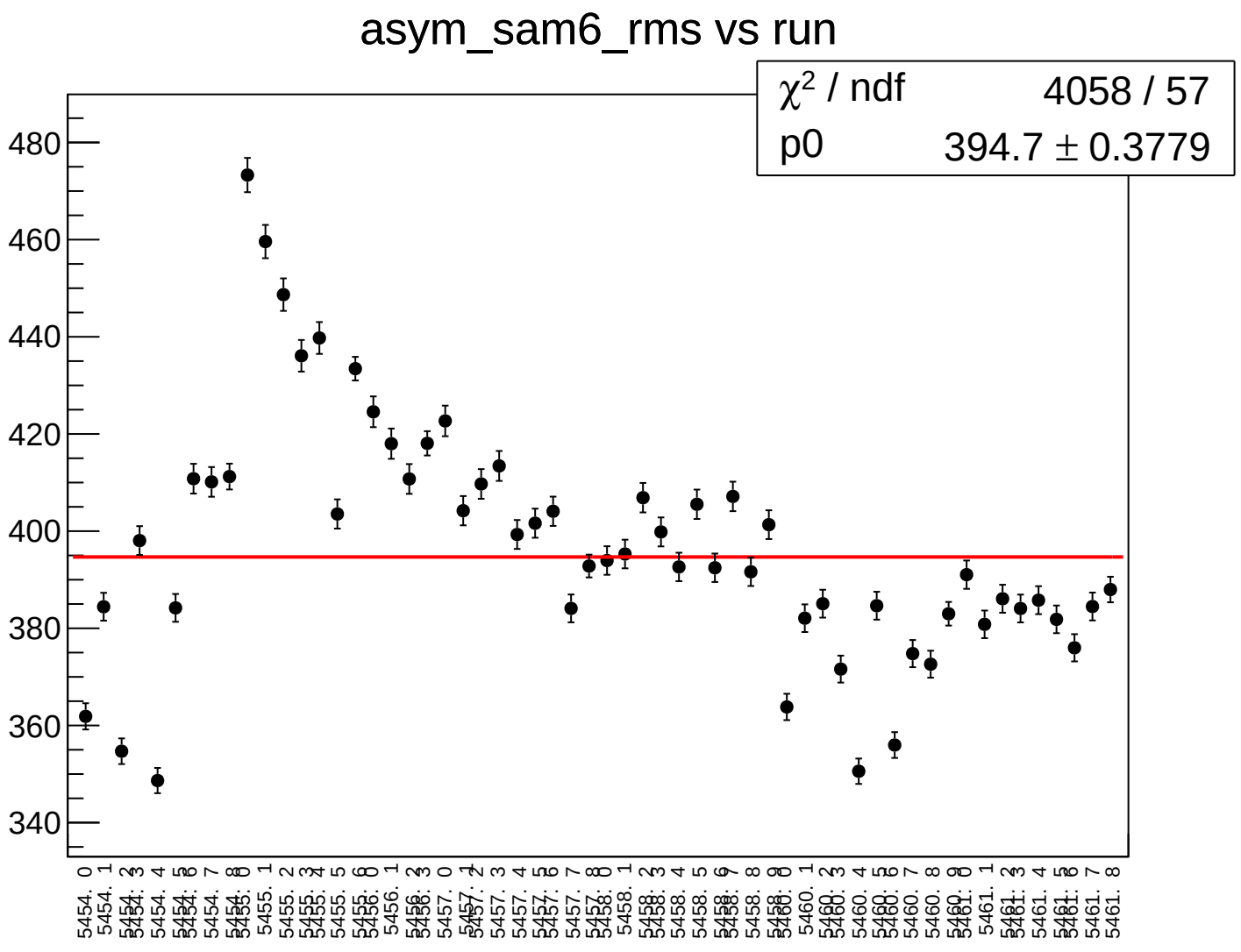

asym_sam6_correction_mean vs run
χ² / ndf 51.06 / 57
p0 58.22 ± 497.9
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 1071
Std Dev 1038
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

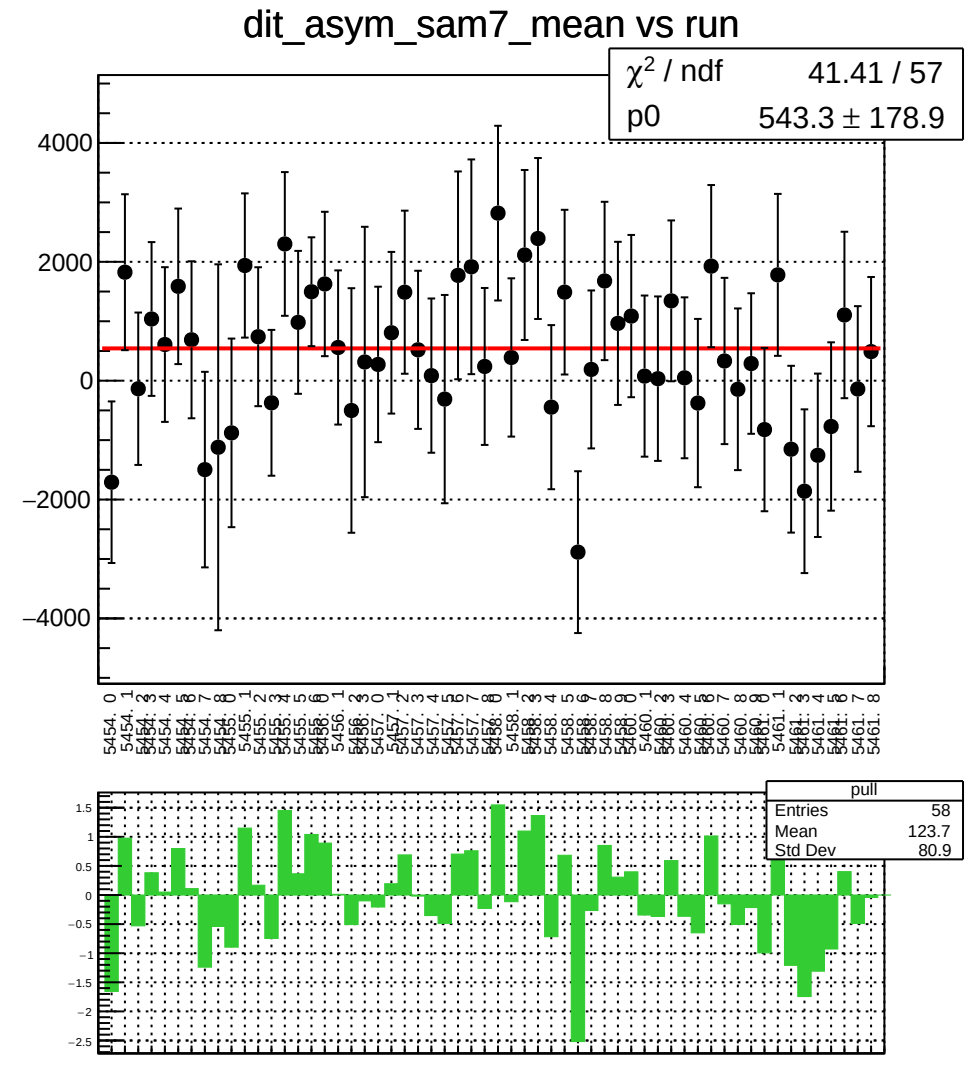

pull1D
Entries 58
Mean 0.003138
Std Dev 0.9382
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

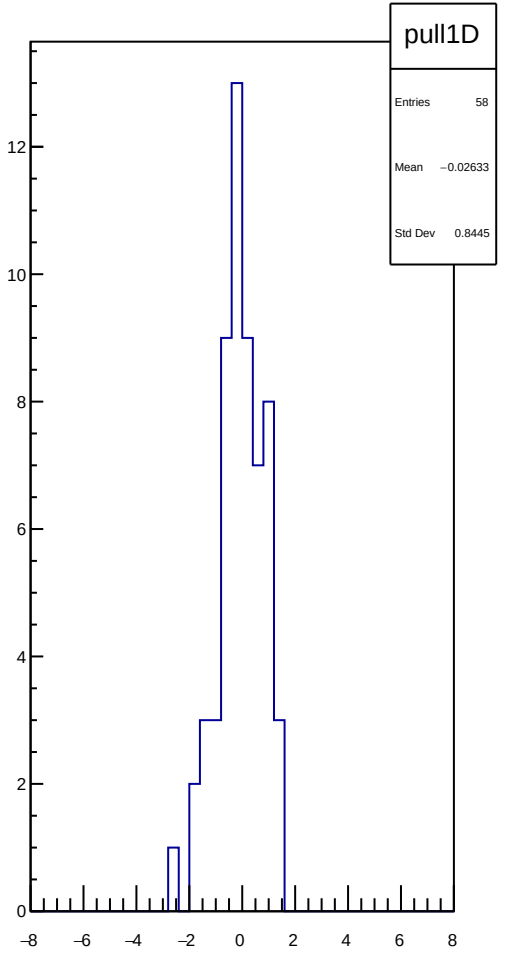

asym_sam6_correction_rms vs run
χ² / ndf 6534 / 57
p0 367.3 ± 0.352
480
460
440
420
400
380
360
340
320

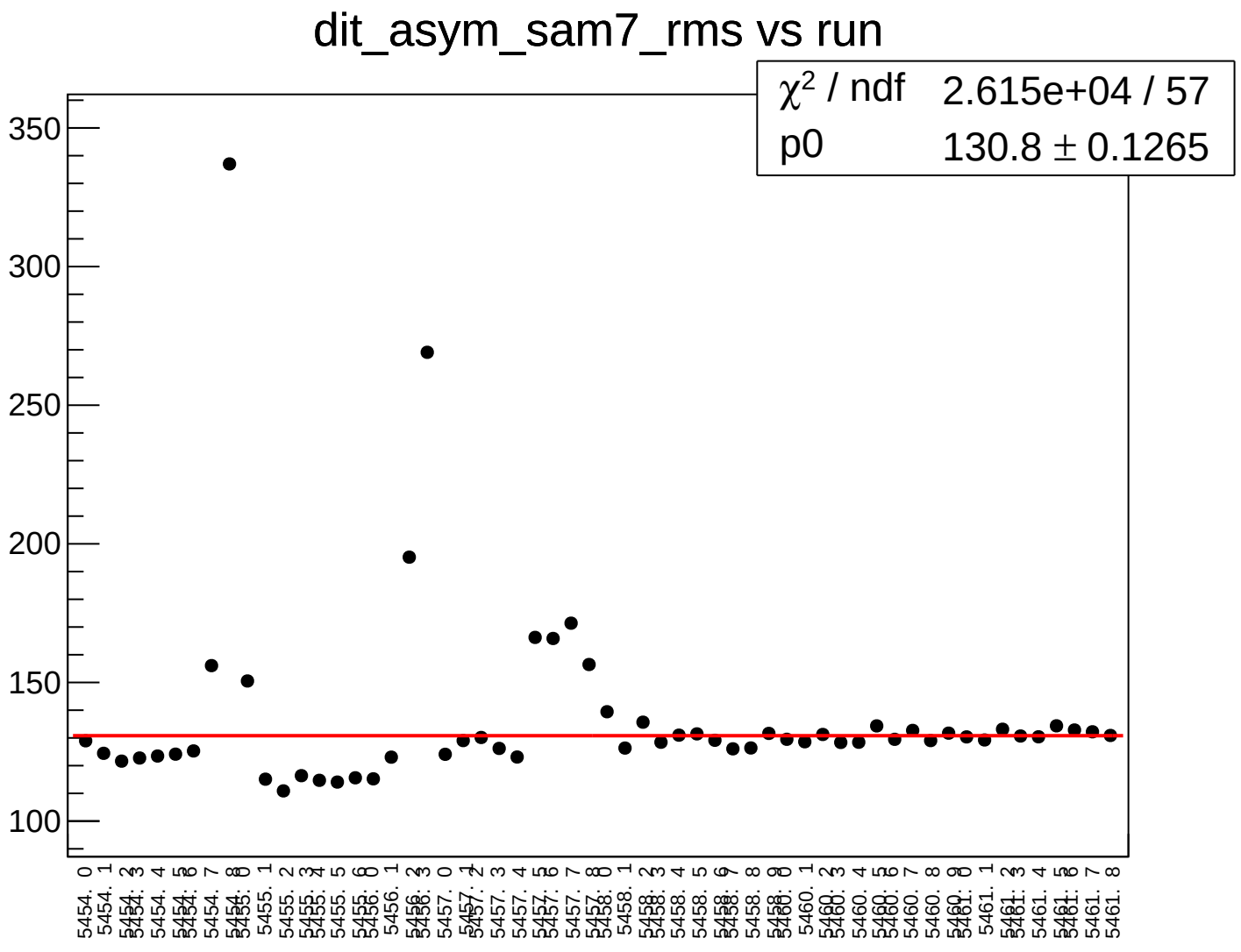

asym_sam6_mean vs run
χ² / ndf 55.29 / 57
p0 203.5 ± 534.4
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 209.2
Std Dev 176.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

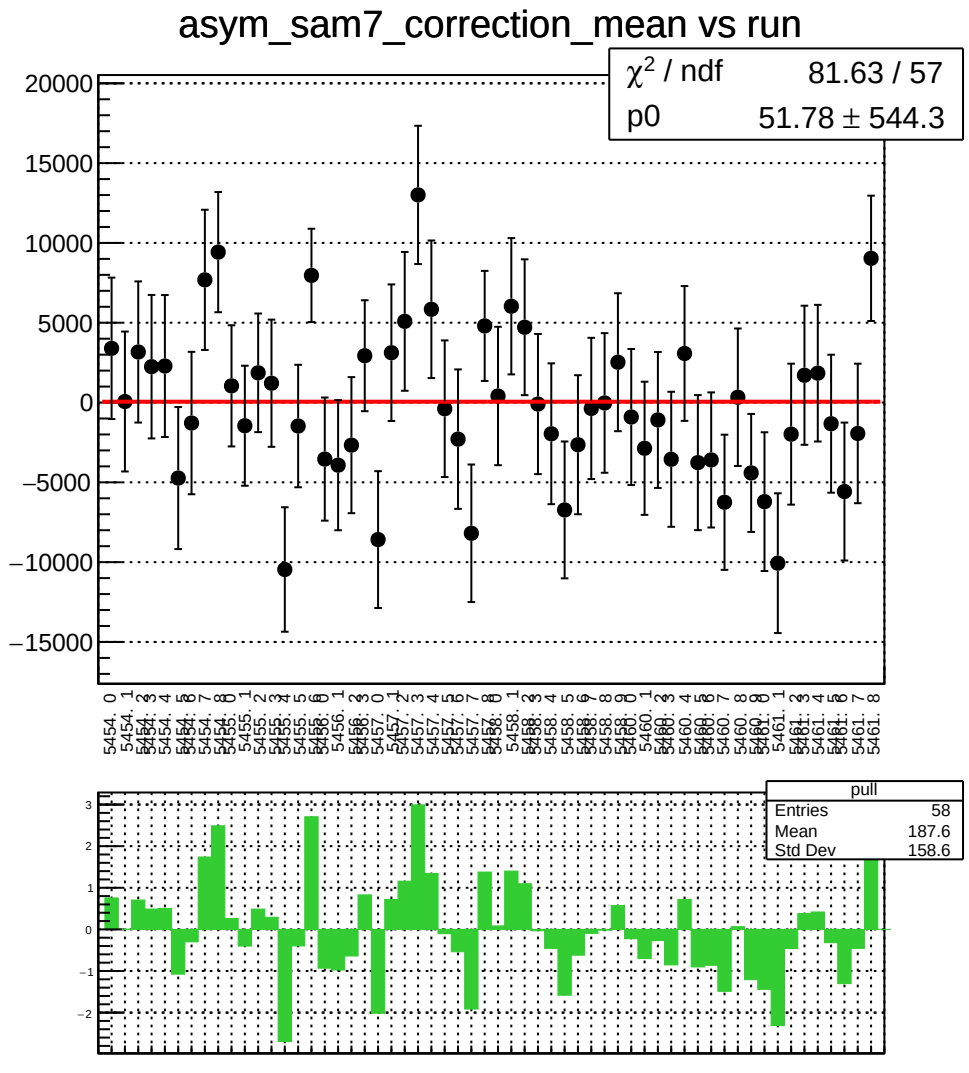

pull1D
Entries 58
Mean −0.01602
Std Dev 0.9762
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

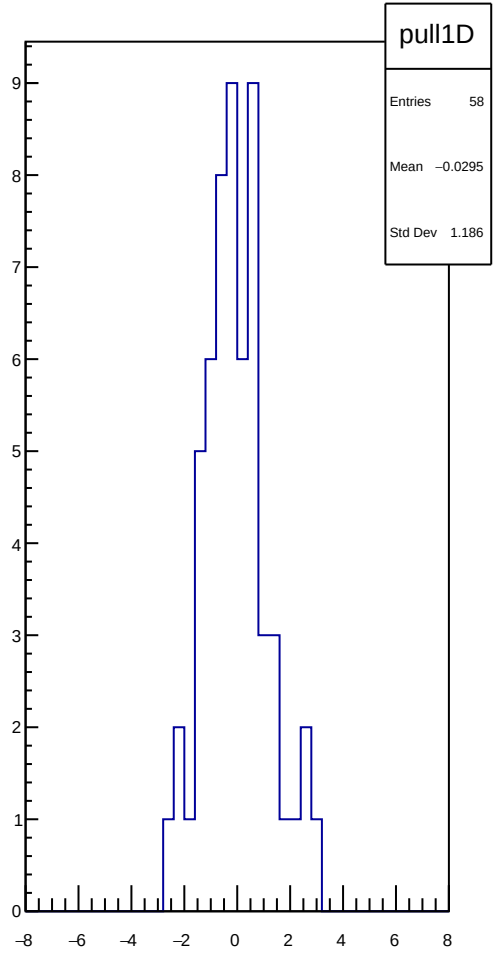

asym_sam6_rms vs run
χ² / ndf 4058 / 57
p0 394.7 ± 0.3779
480
460
440
420
400
380
360
340

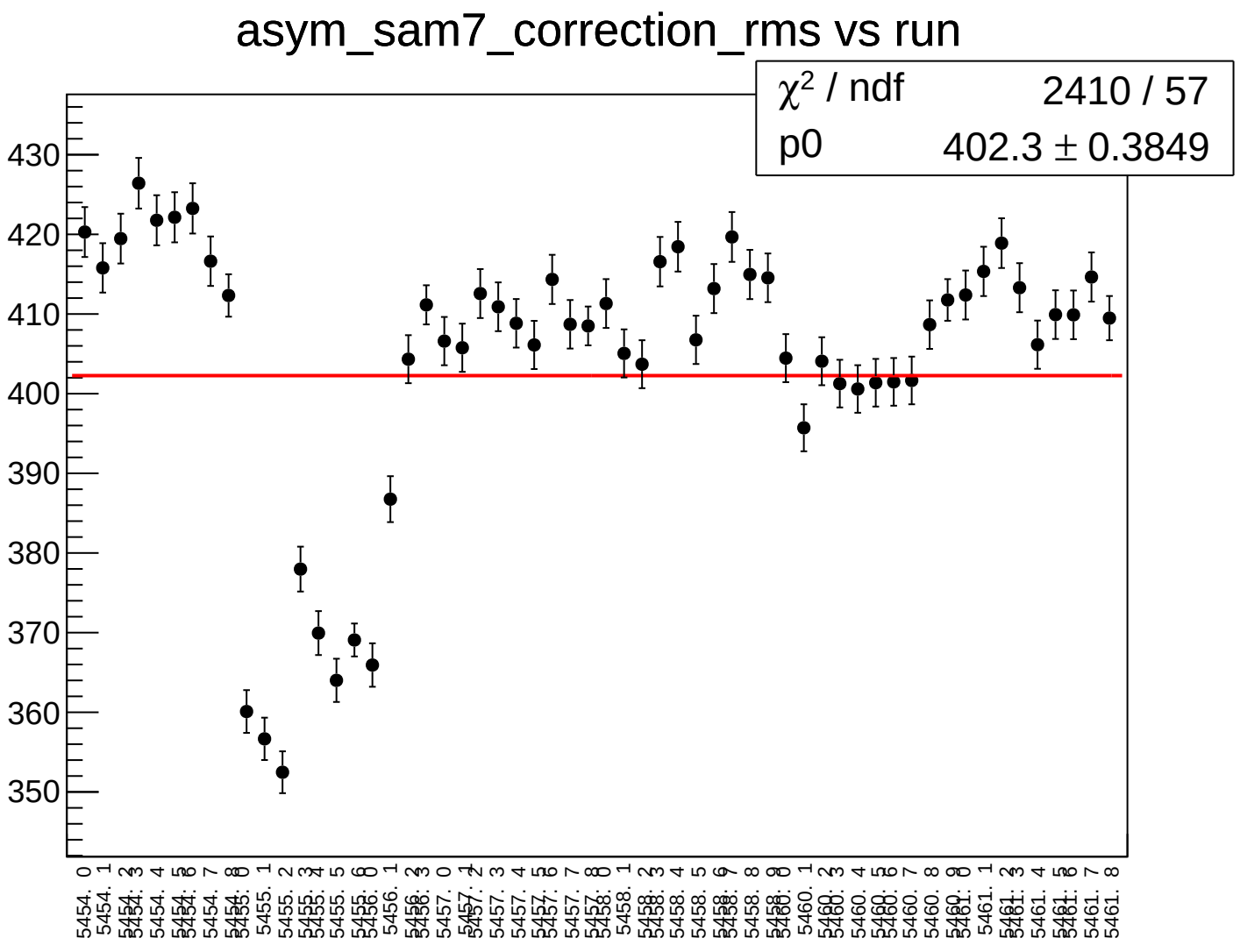

dit_asym_sam7_mean vs run
χ² / ndf 41.41 / 57
p0 543.3 ± 178.9
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 123.7
Std Dev 80.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

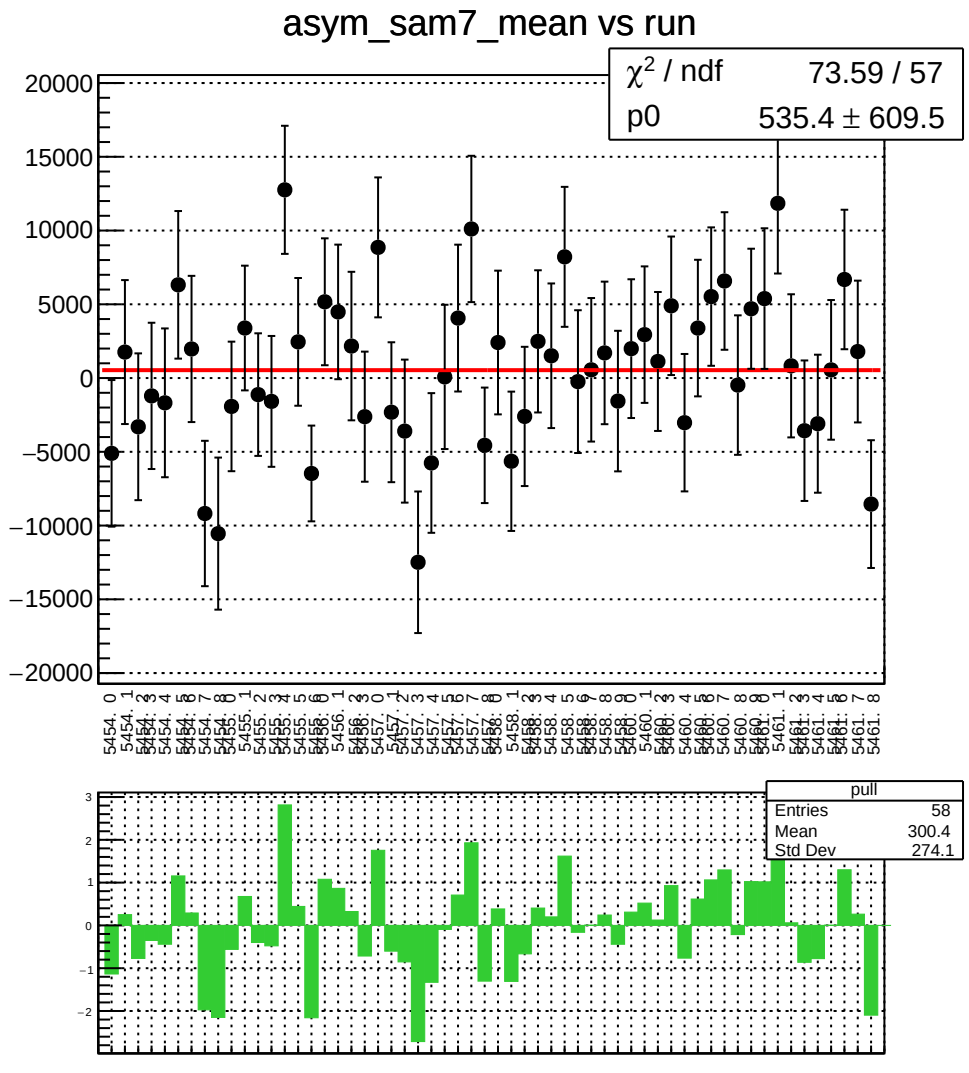

pull1D
Entries 58
Mean −0.02633
Std Dev 0.8445
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

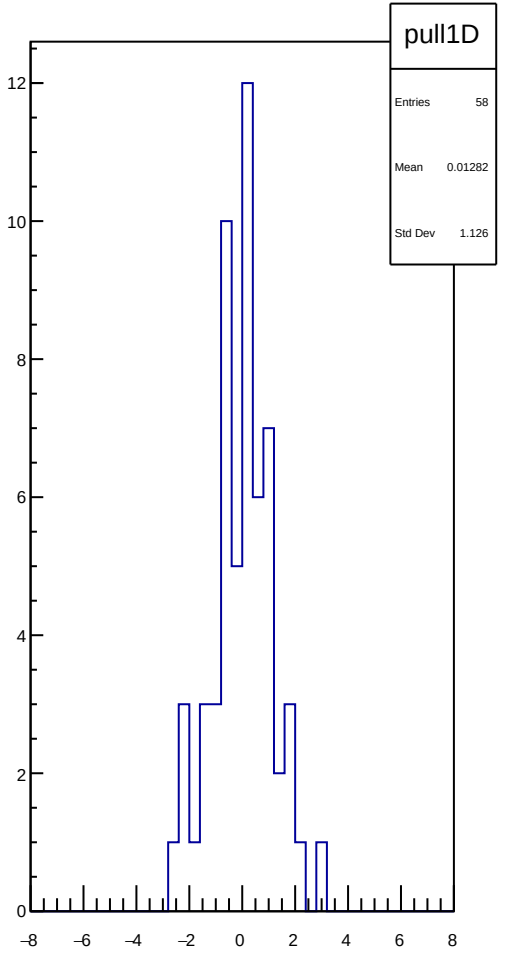

dit_asym_sam7_rms vs run
χ² / ndf 2.615e+04 / 57
p0 130.8 ± 0.1265
350
300
250
200
150
100

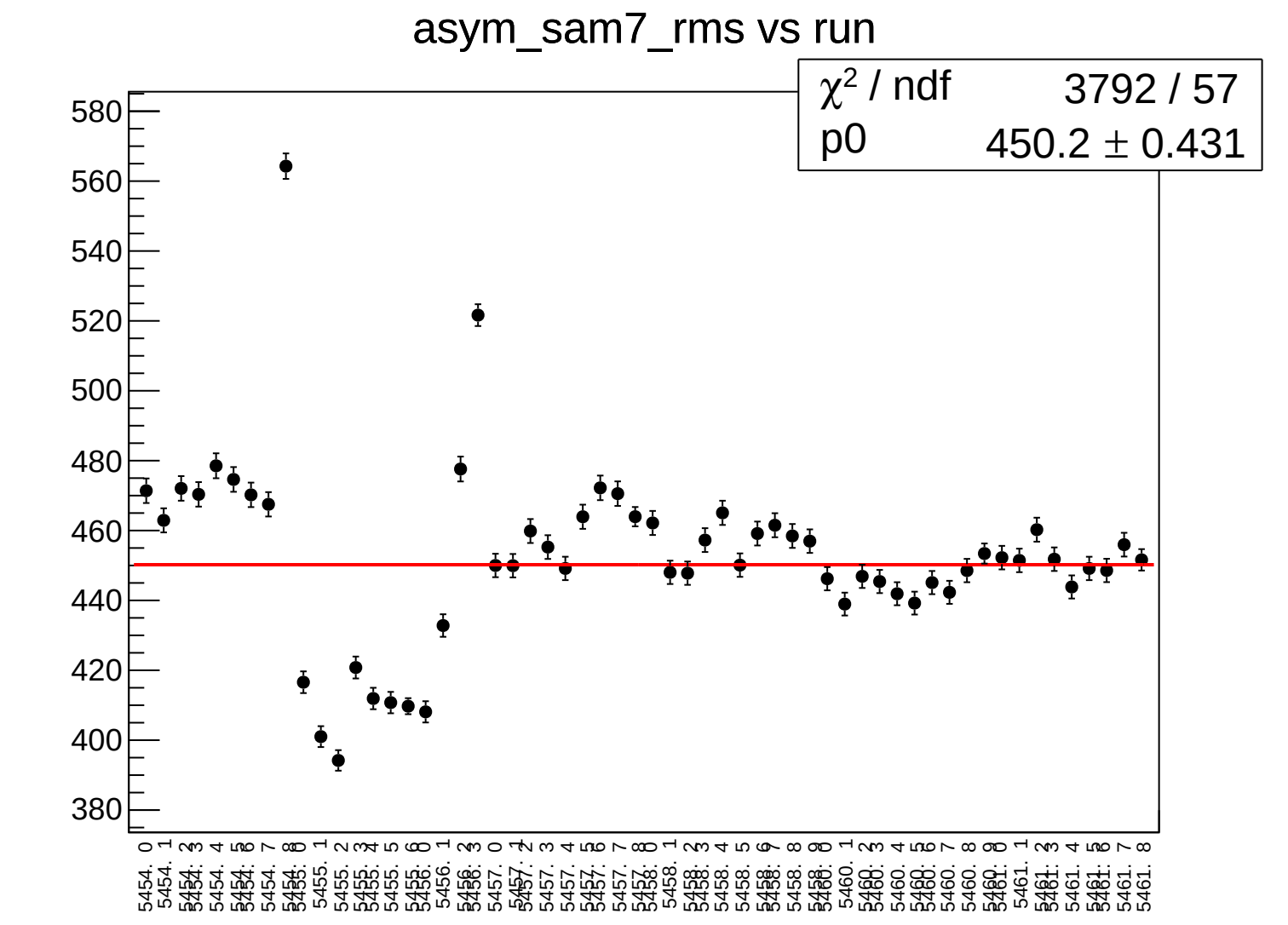

asym_sam7_correction_mean vs run
χ² / ndf 81.63 / 57
p0 51.78 ± 544.3
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 187.6
Std Dev 158.6
3
2
1
0
−1
−2

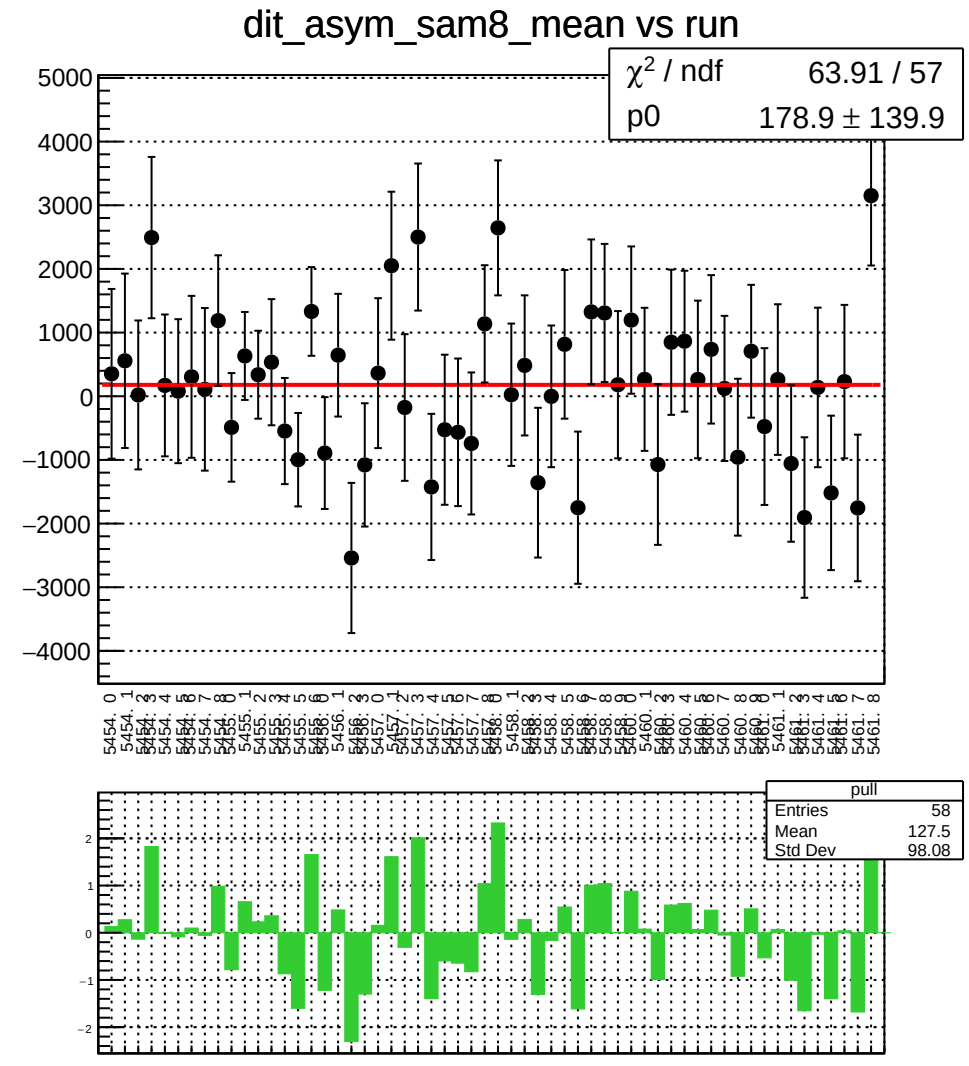

pull1D
Entries 58
Mean −0.0295
Std Dev 1.186
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

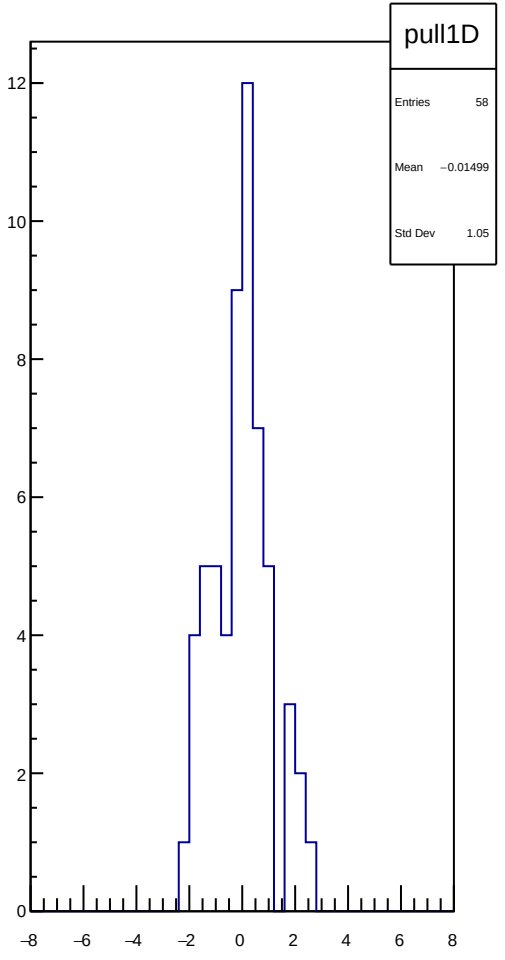

asym_sam7_correction_rms vs run
χ² / ndf 2410 / 57
p0 402.3 ± 0.3849
430
420
410
400
390
380
370
360
350

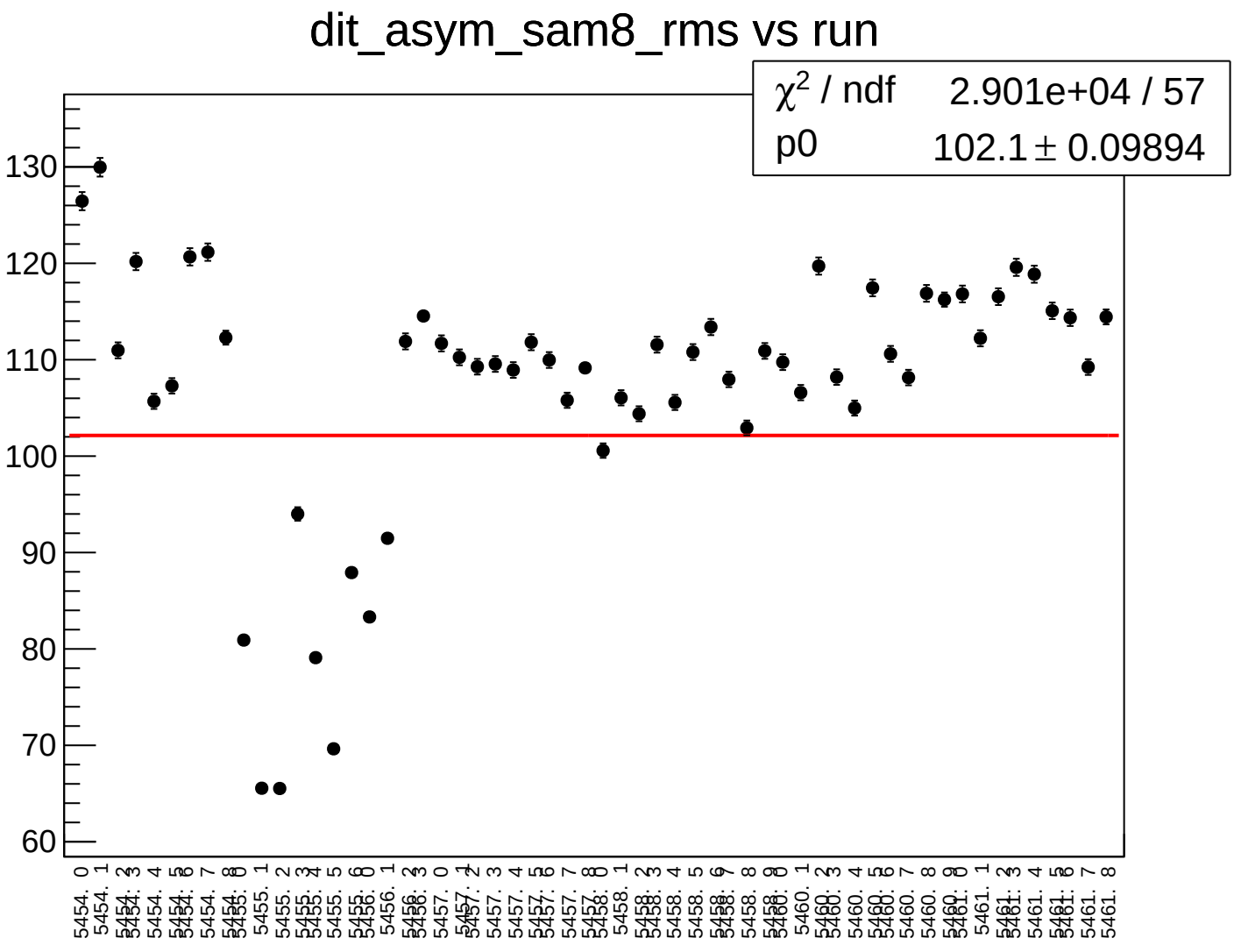

asym_sam7_mean vs run
χ² / ndf 73.59 / 57
p0 535.4 ± 609.5
pull
Entries 58
Mean 300.4
Std Dev 274.1

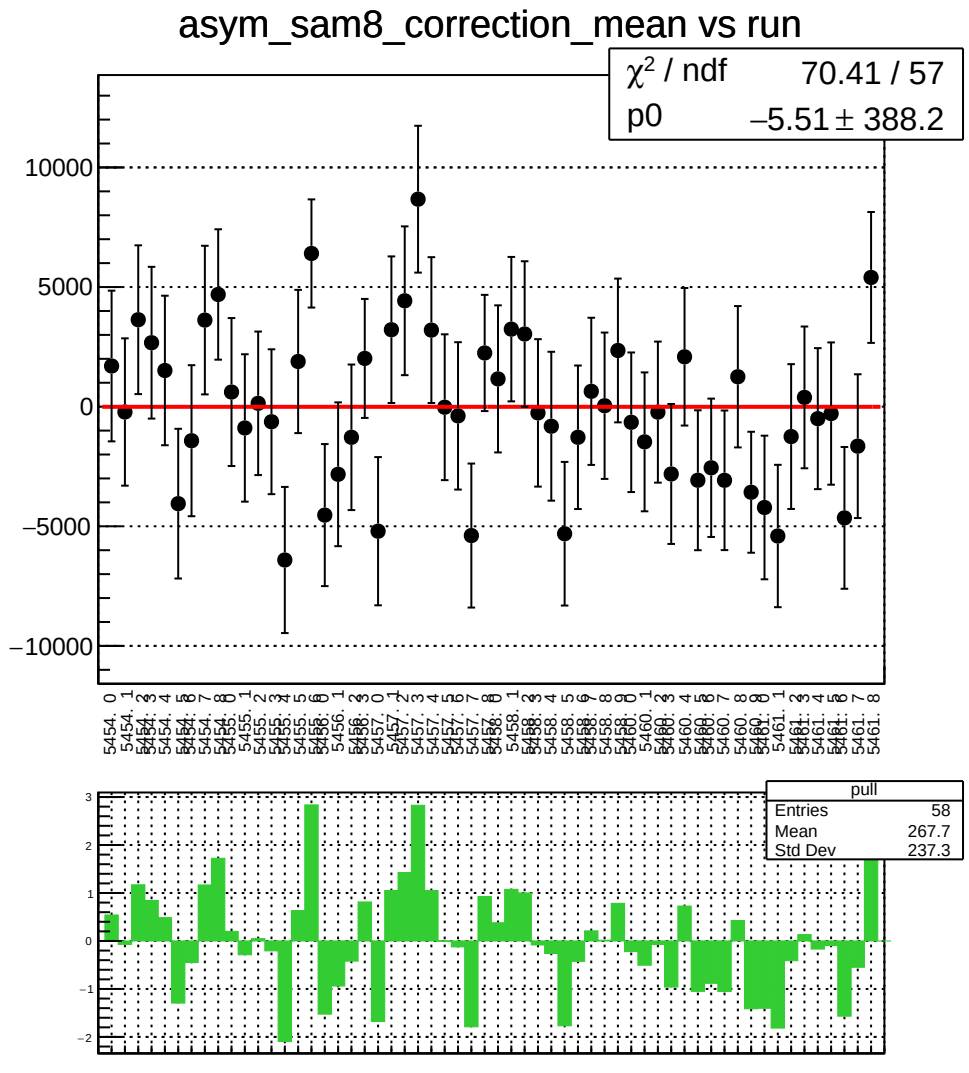

pull1D
Entries 58
Mean 0.01282
Std Dev 1.126

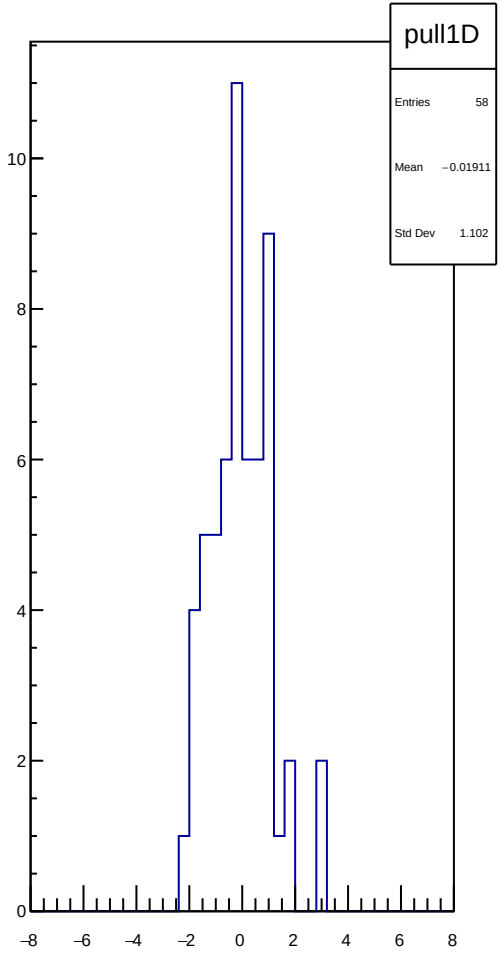

asym_sam7_rms vs run
χ² / ndf 3792 / 57
p0 450.2 ± 0.431
580
560
540
520
500
480
460
440
420
400
380

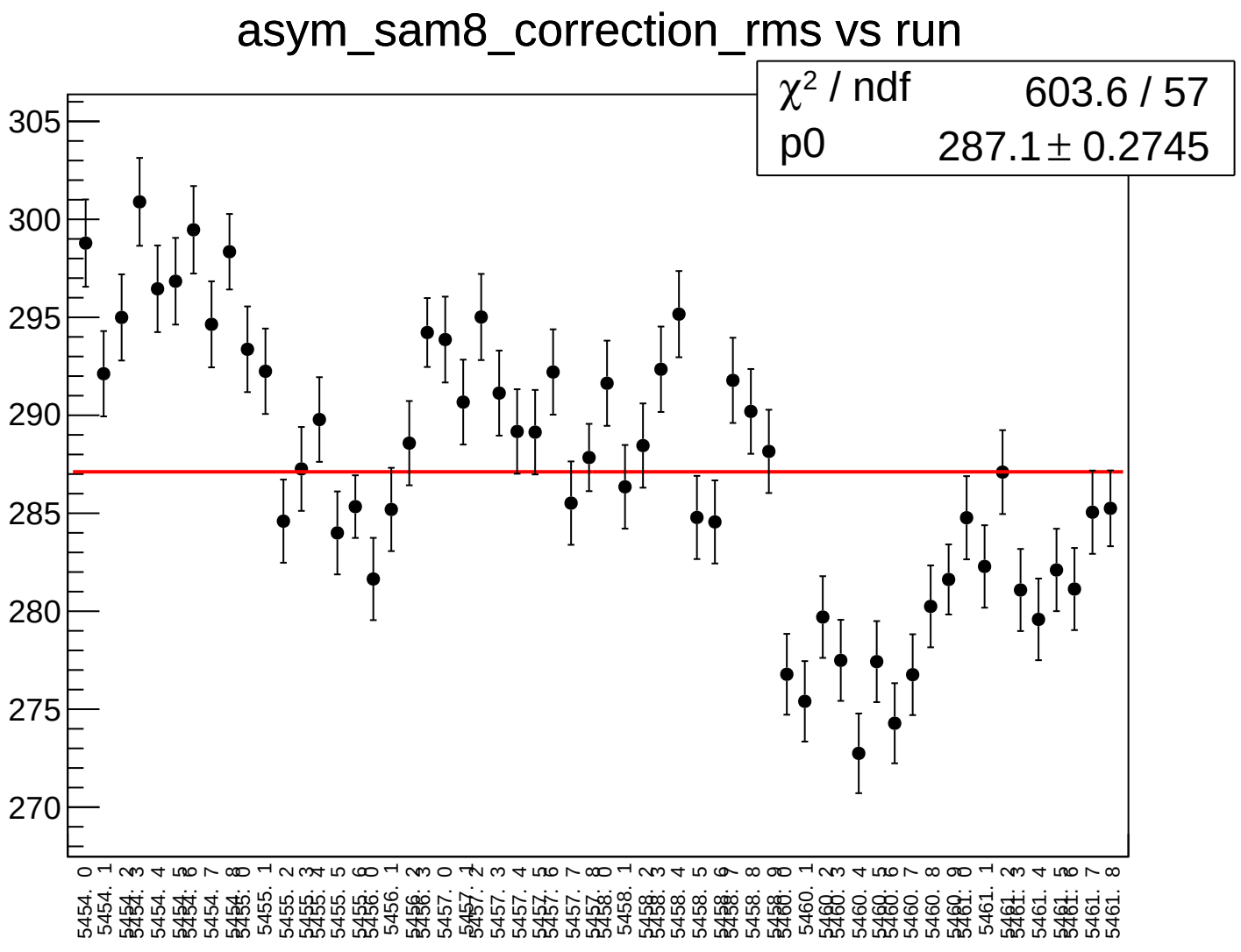

dit_asym_sam8_mean vs run
χ^2 / ndf 63.91 / 57
p0 178.9 ± 139.9
pull
Entries 58
Mean 127.5
Std Dev 98.08

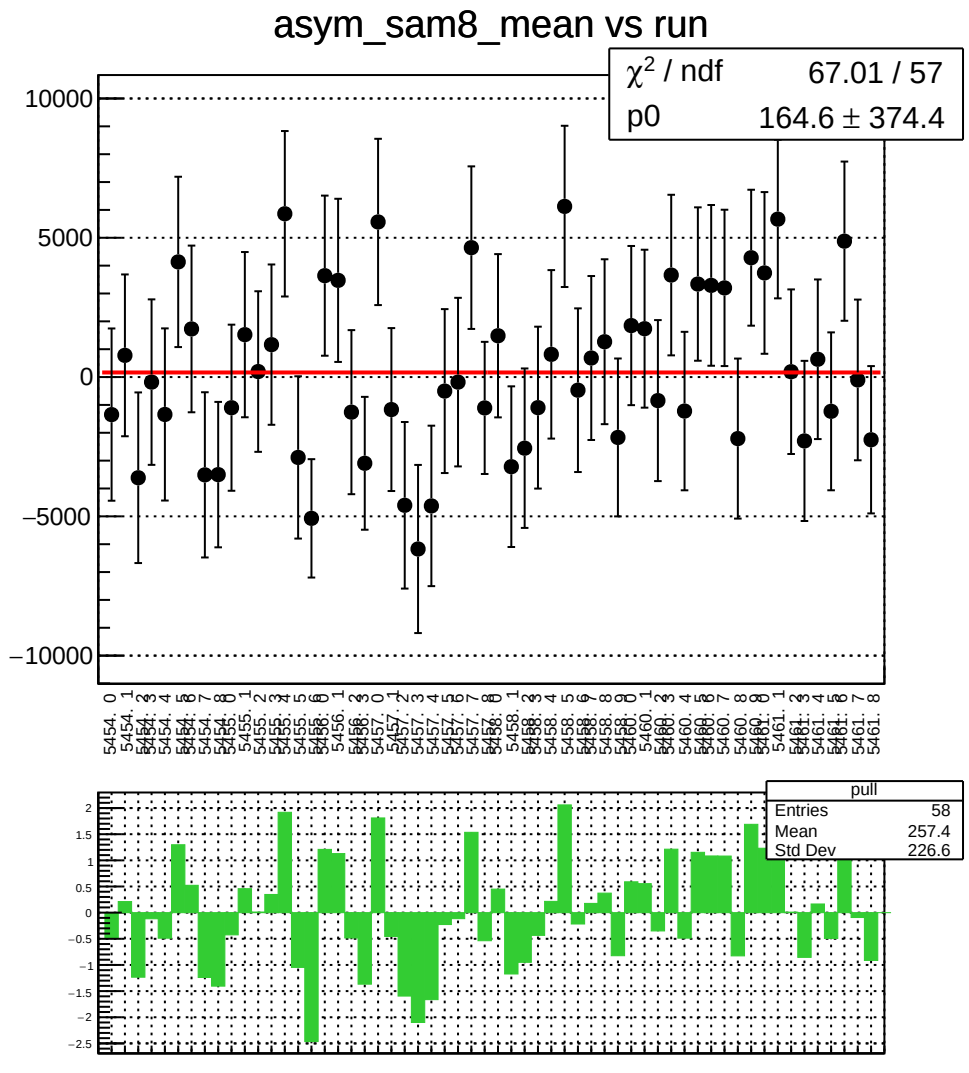

pull1D
Entries 58
Mean −0.01499
Std Dev 1.05

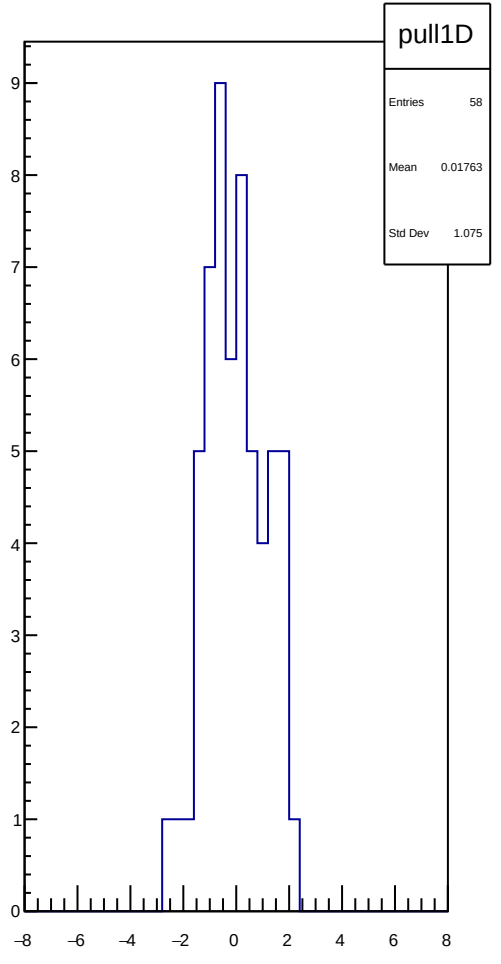

dit_asym_sam8_rms vs run
χ^2 / ndf 2.901e+04 / 57
p0 102.1 ± 0.09894
130
120
110
100
90
80
70
60

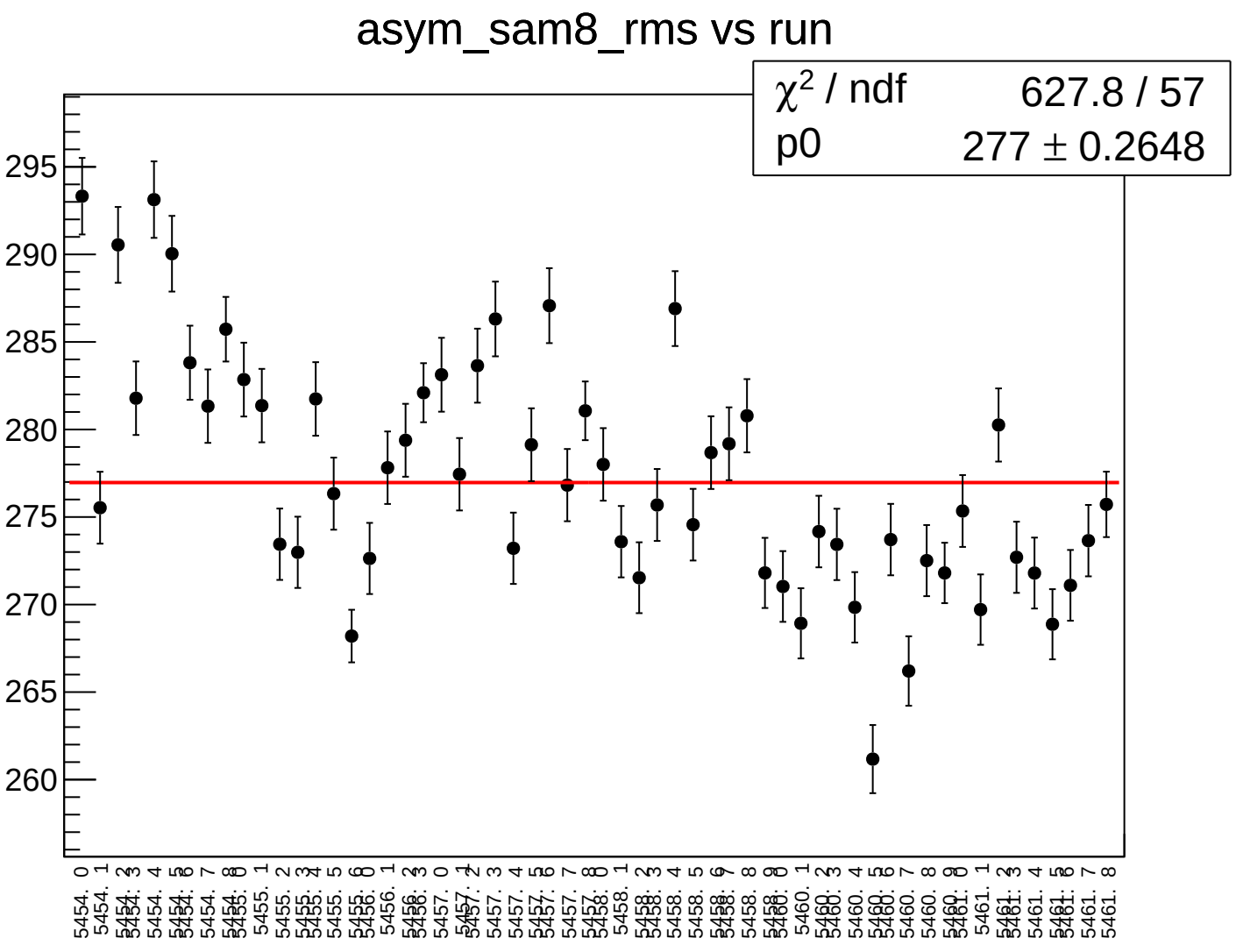

asym_sam8_correction_mean vs run
χ² / ndf 70.41 / 57
p0 −5.51 ± 388.2
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 267.7
Std Dev 237.3
3
2
1
0
−1
−2

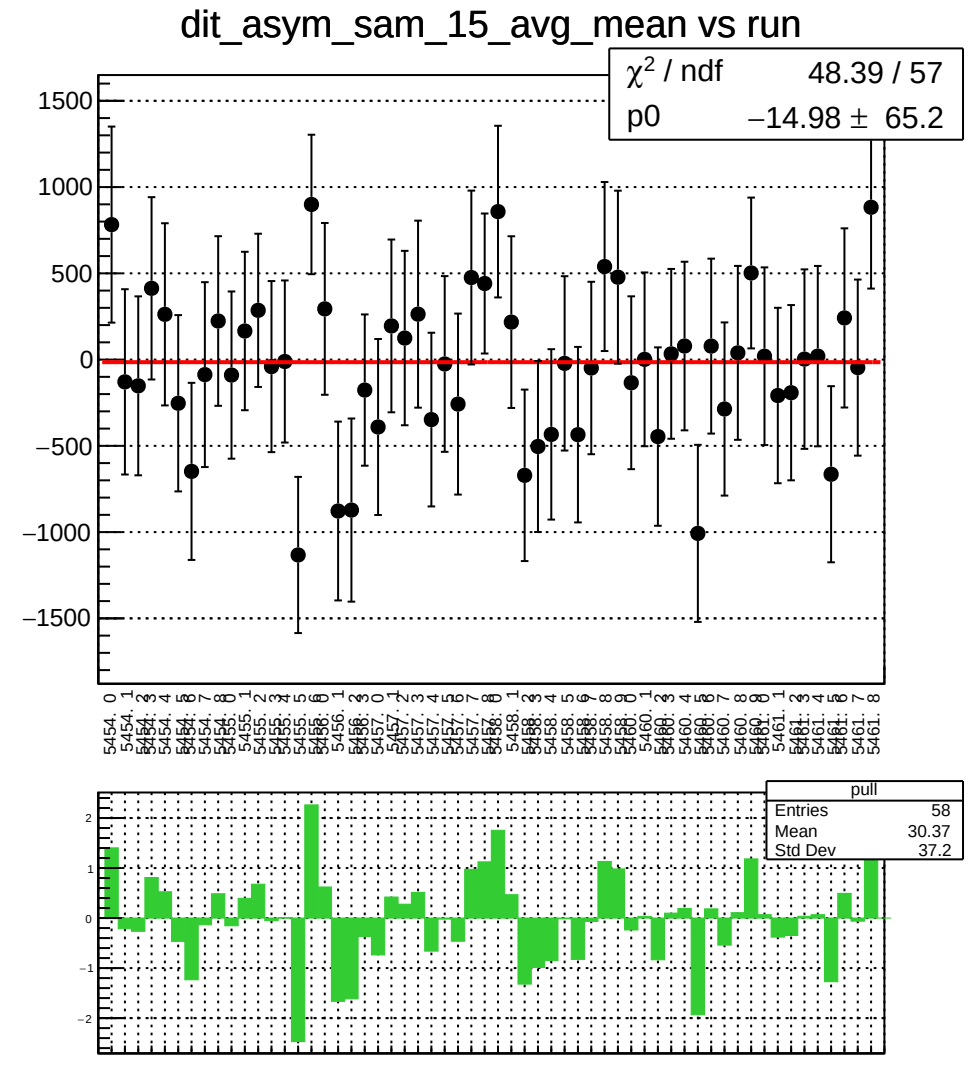

pull1D
Entries 58
Mean −0.01911
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

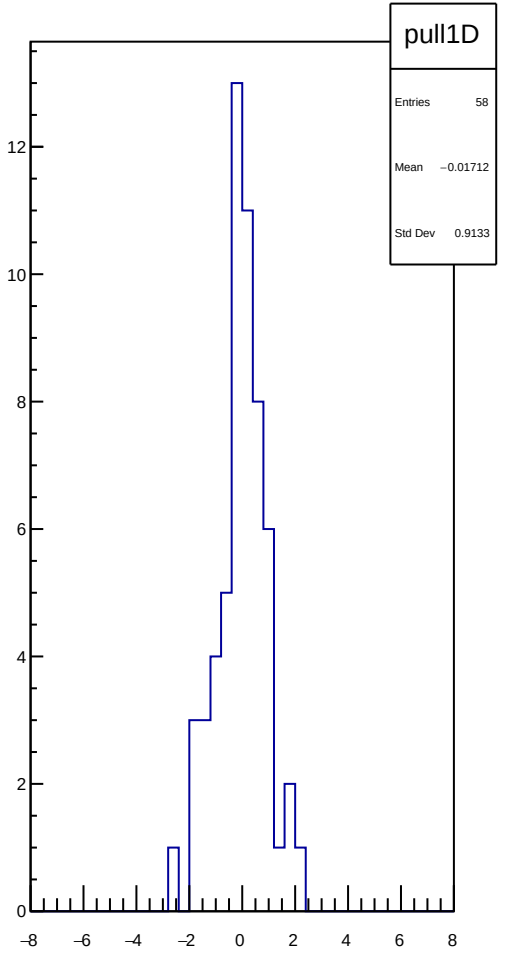

asym_sam8_correction_rms vs run
χ² / ndf 603.6 / 57
p0 287.1 ± 0.2745
305
300
295
290
285
280
275
270

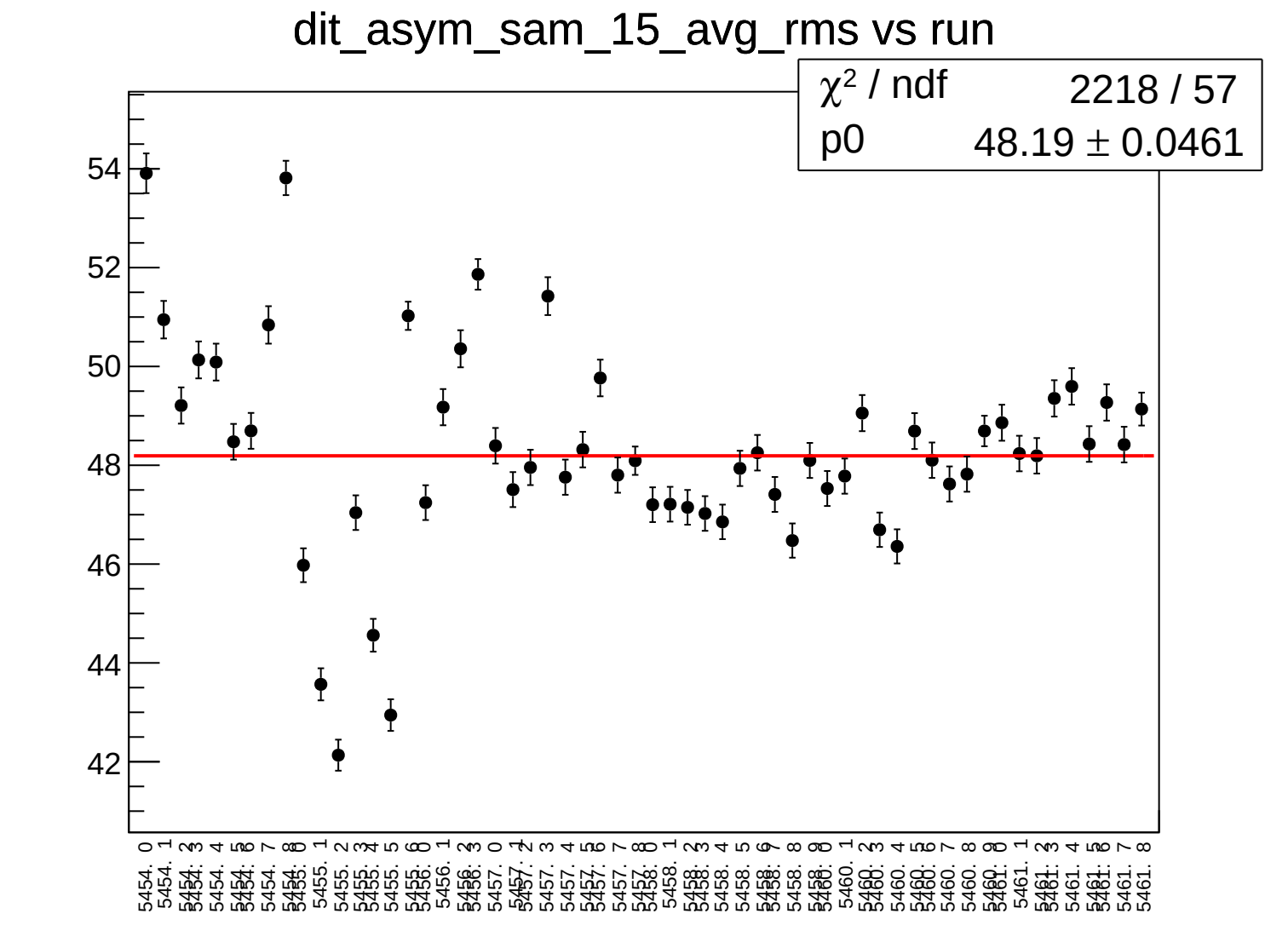

asym_sam8_mean vs run
χ^2 / ndf 67.01 / 57
p0 164.6 ± 374.4
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 257.4
Std Dev 226.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

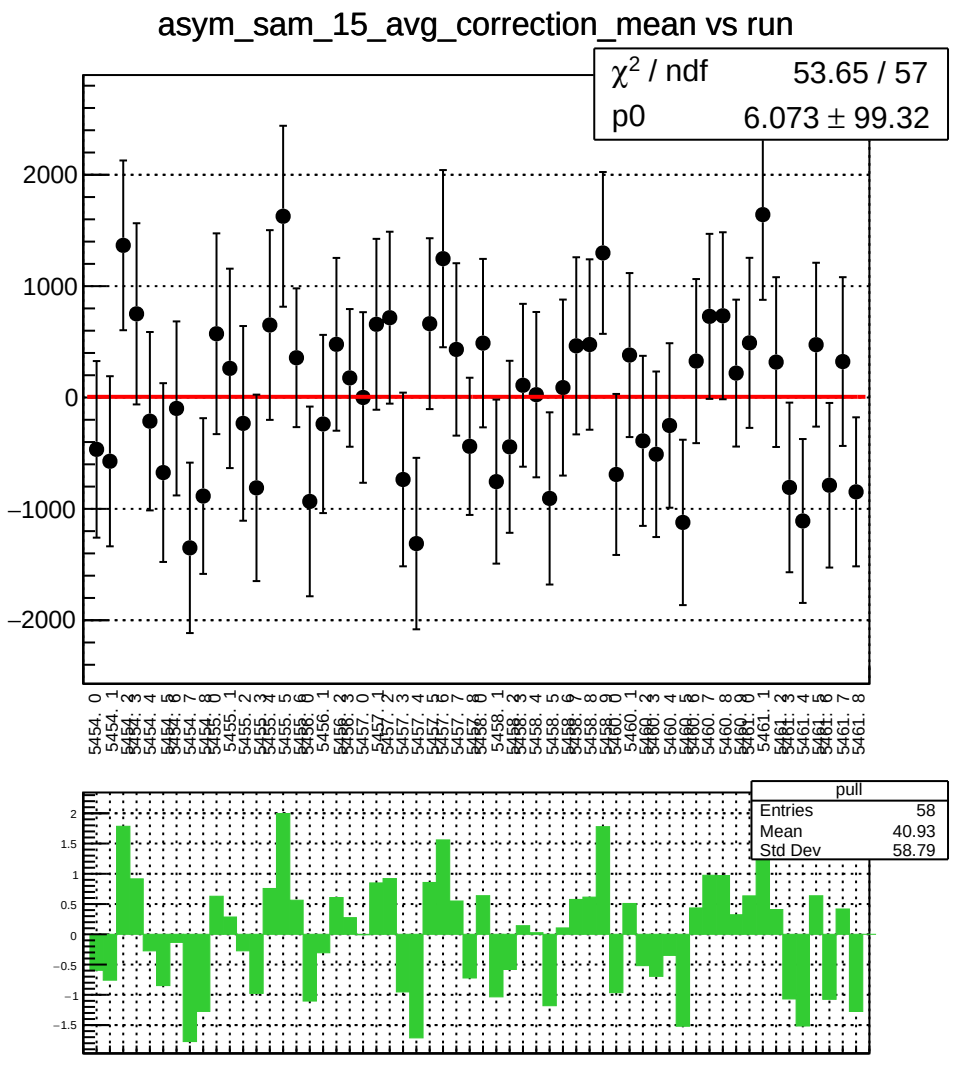

pull1D
Entries 58
Mean 0.01763
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

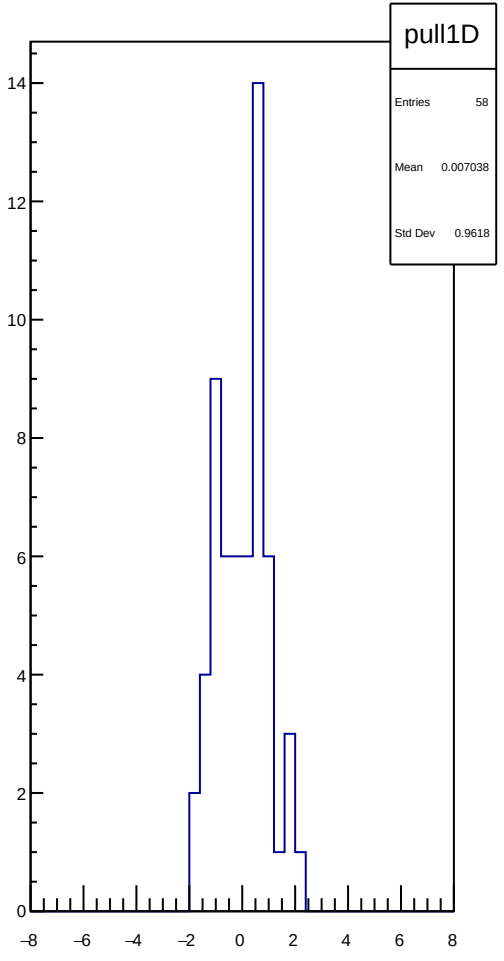

asym_sam8_rms vs run
χ² / ndf 627.8 / 57
p0 277 ± 0.2648
295
290
285
280
275
270
265
260

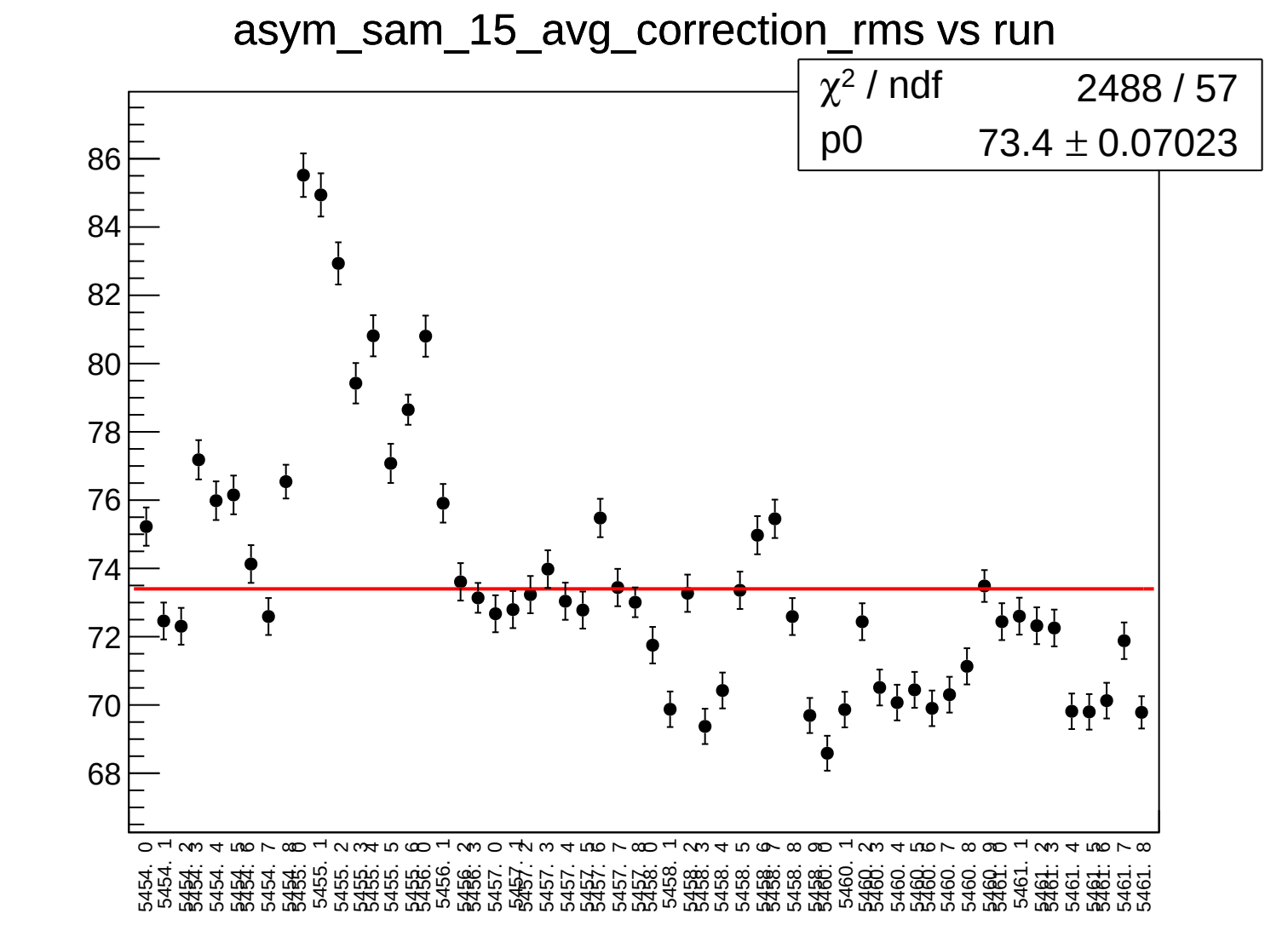

dit_asym_sam_15_avg_mean vs run
χ² / ndf 48.39 / 57
p0 −14.98 ± 65.2
1500
1000
500
0
−500
−1000
−1500
pull
Entries 58
Mean 30.37
Std Dev 37.2
2
1
0
−1
−2

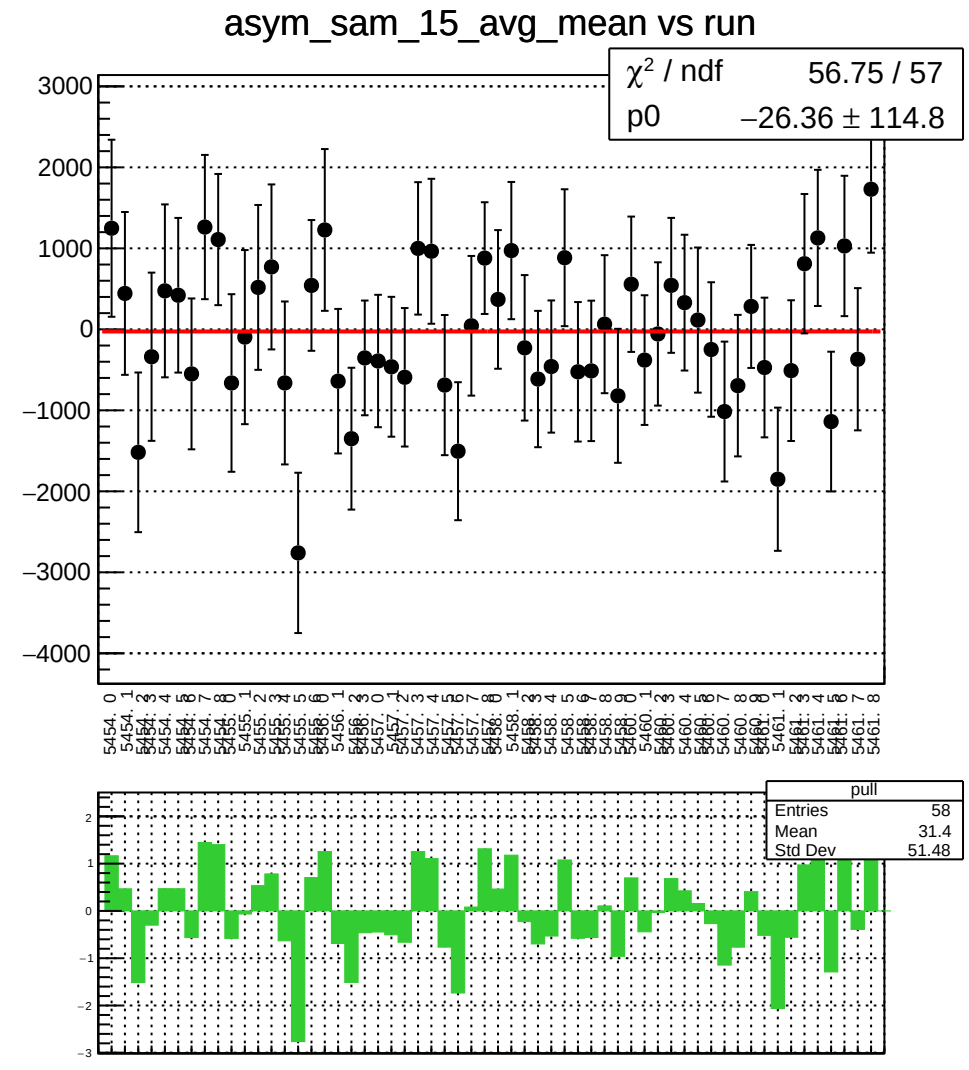

pull1D
Entries 58
Mean −0.01712
Std Dev 0.9133
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

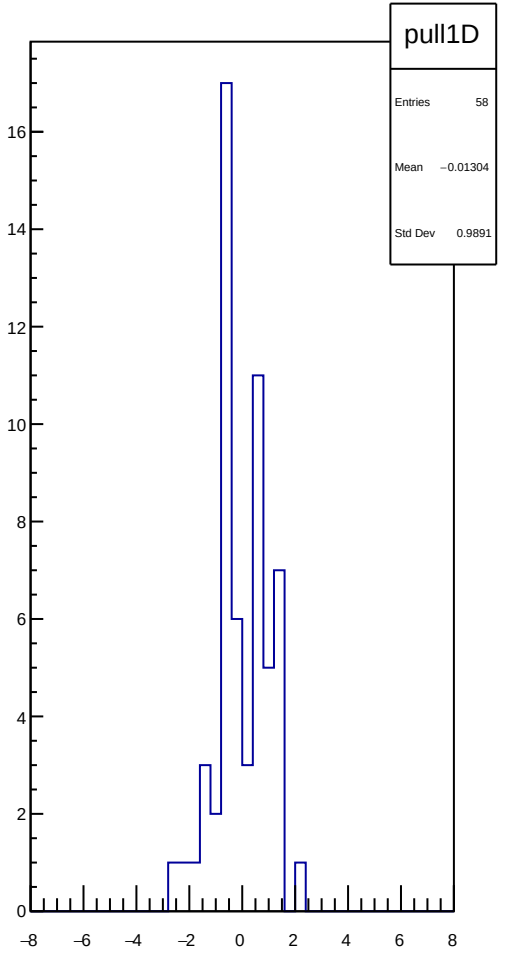

dit_asym_sam_15_avg_rms vs run
χ² / ndf 2218 / 57
p0 48.19 ± 0.0461
54
52
50
48
46
44
42

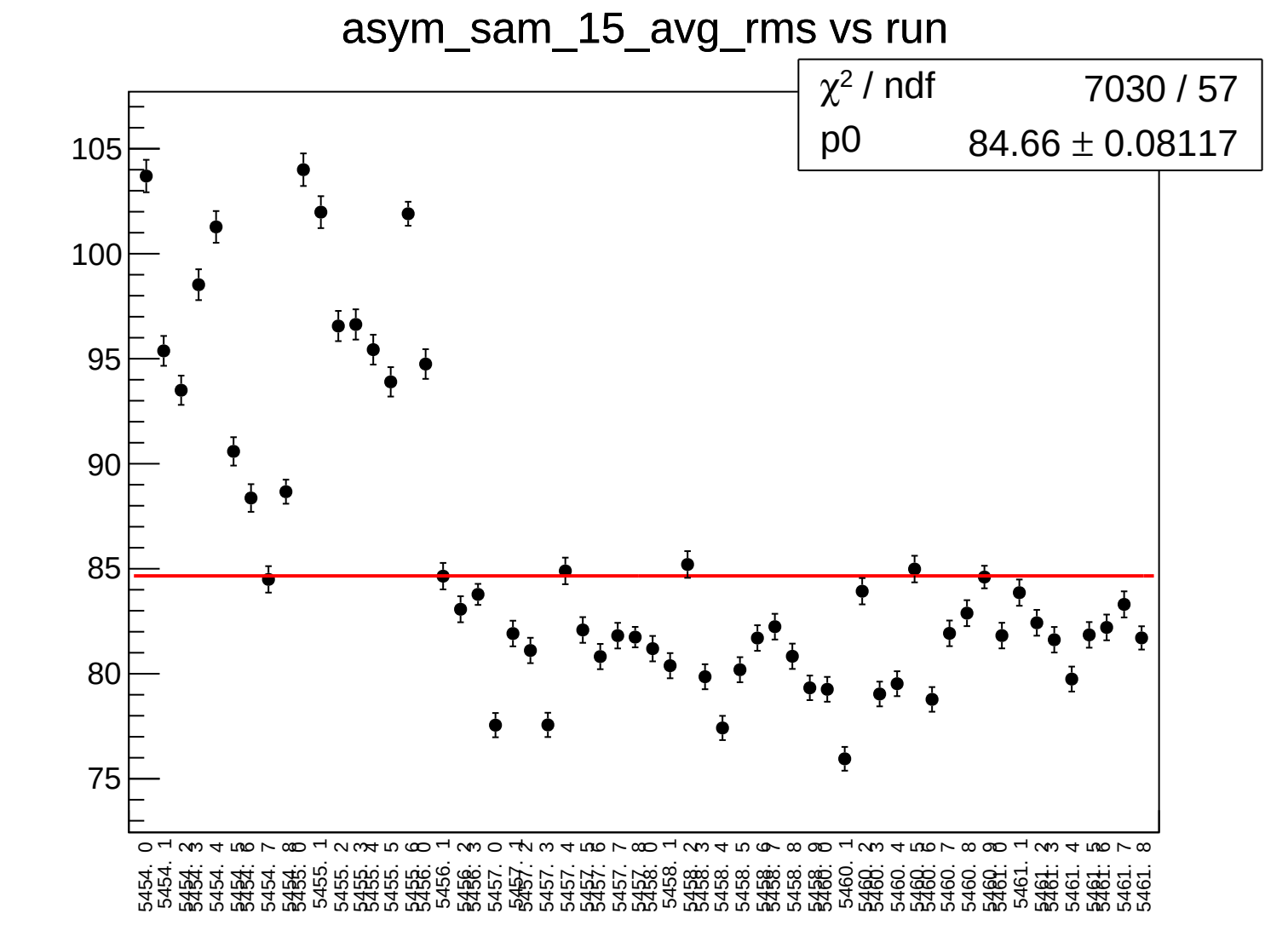

asym_sam_15_avg_correction_mean vs run
χ² / ndf 53.65 / 57
p0 6.073 ± 99.32
2000
1000
0
−1000
−2000
pull
Entries 58
Mean 40.93
Std Dev 58.79
2
1.5
1
0.5
0
−0.5
−1
−1.5

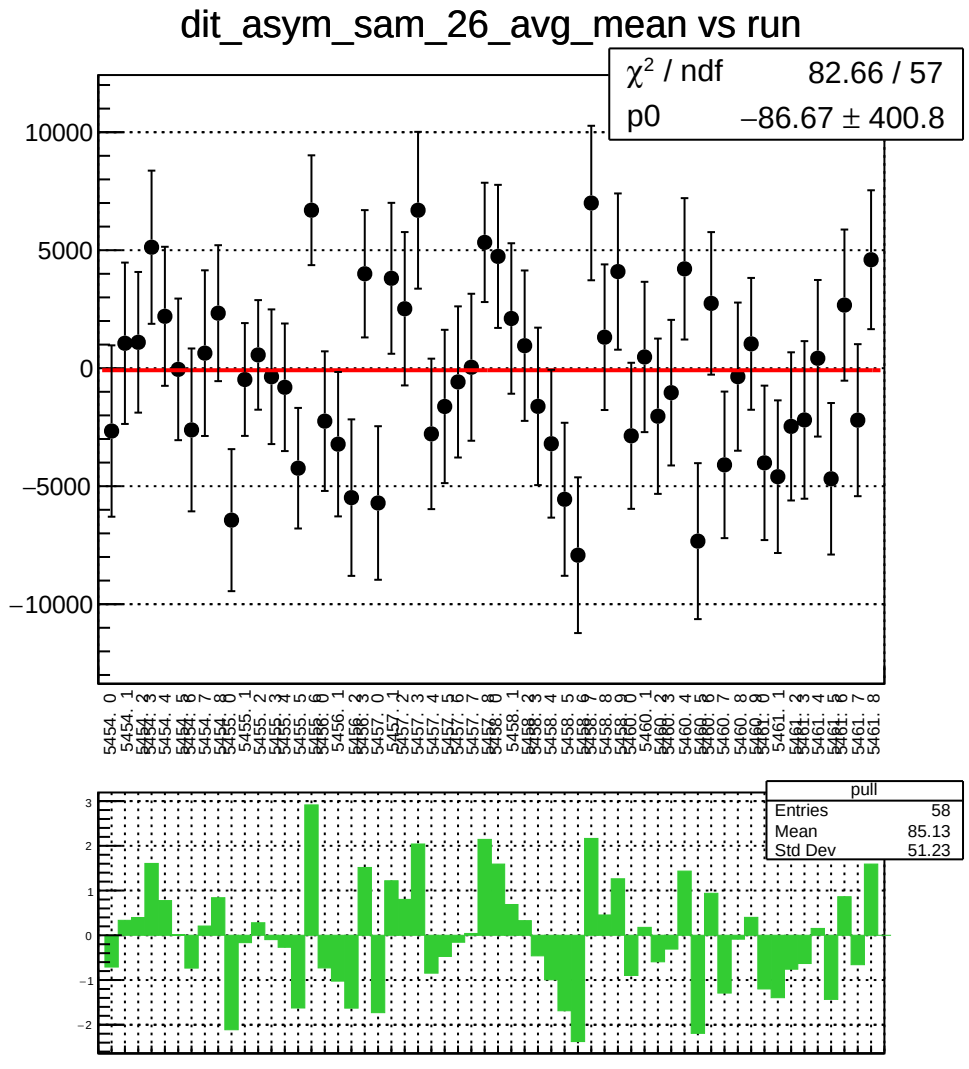

pull1D
Entries 58
Mean 0.007038
Std Dev 0.9618
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

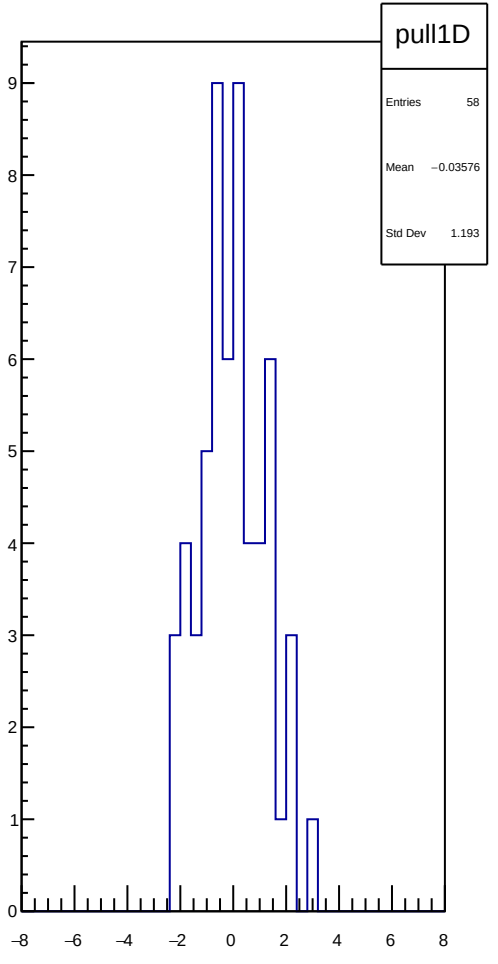

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2488 / 57
p0 73.4 ± 0.07023
86
84
82
80
78
76
74
72
70
68

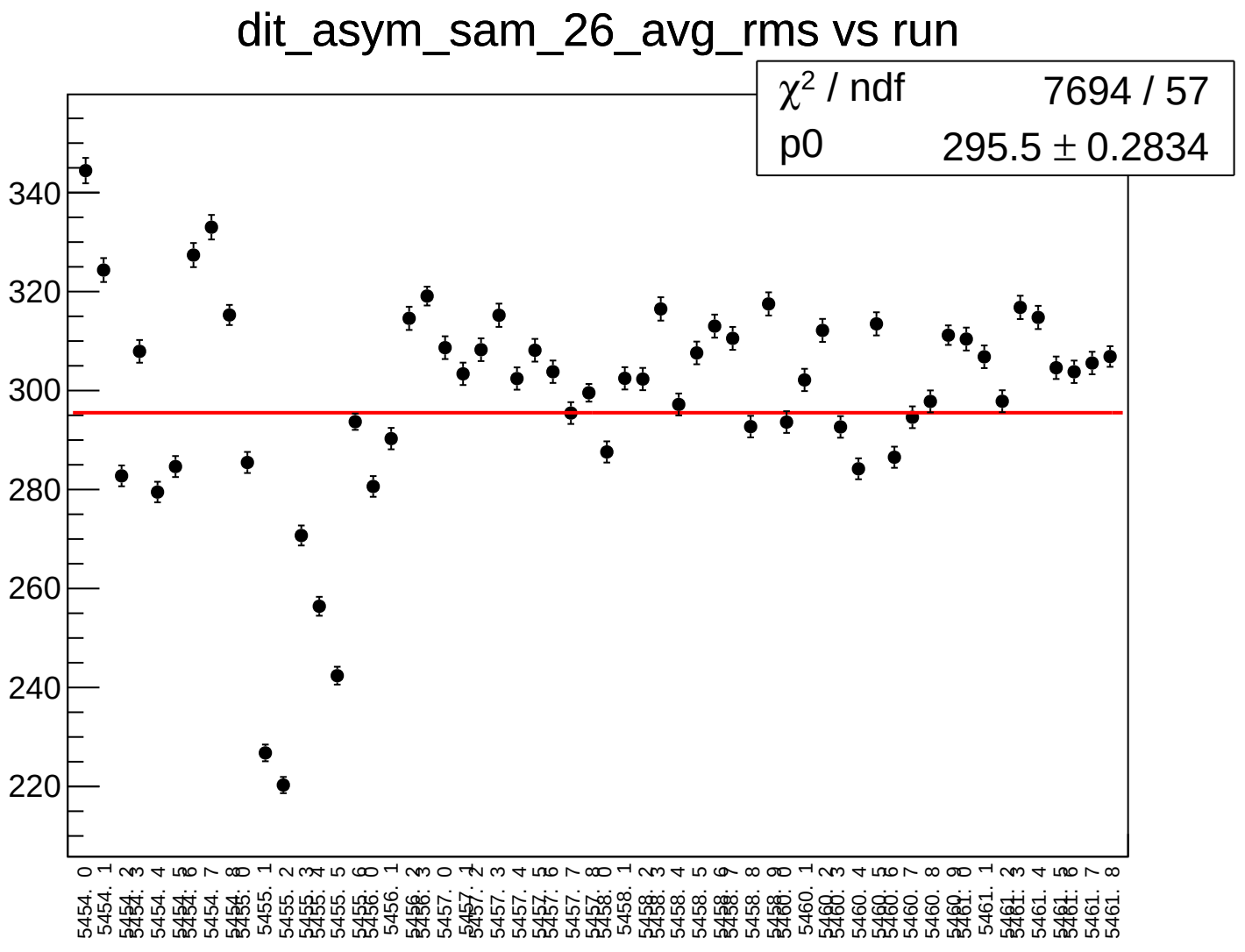

asym_sam_15_avg_mean vs run
χ² / ndf 56.75 / 57
p0 −26.36 ± 114.8
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 58
Mean 31.4
Std Dev 51.48
2
1
0
−1
−2
−3

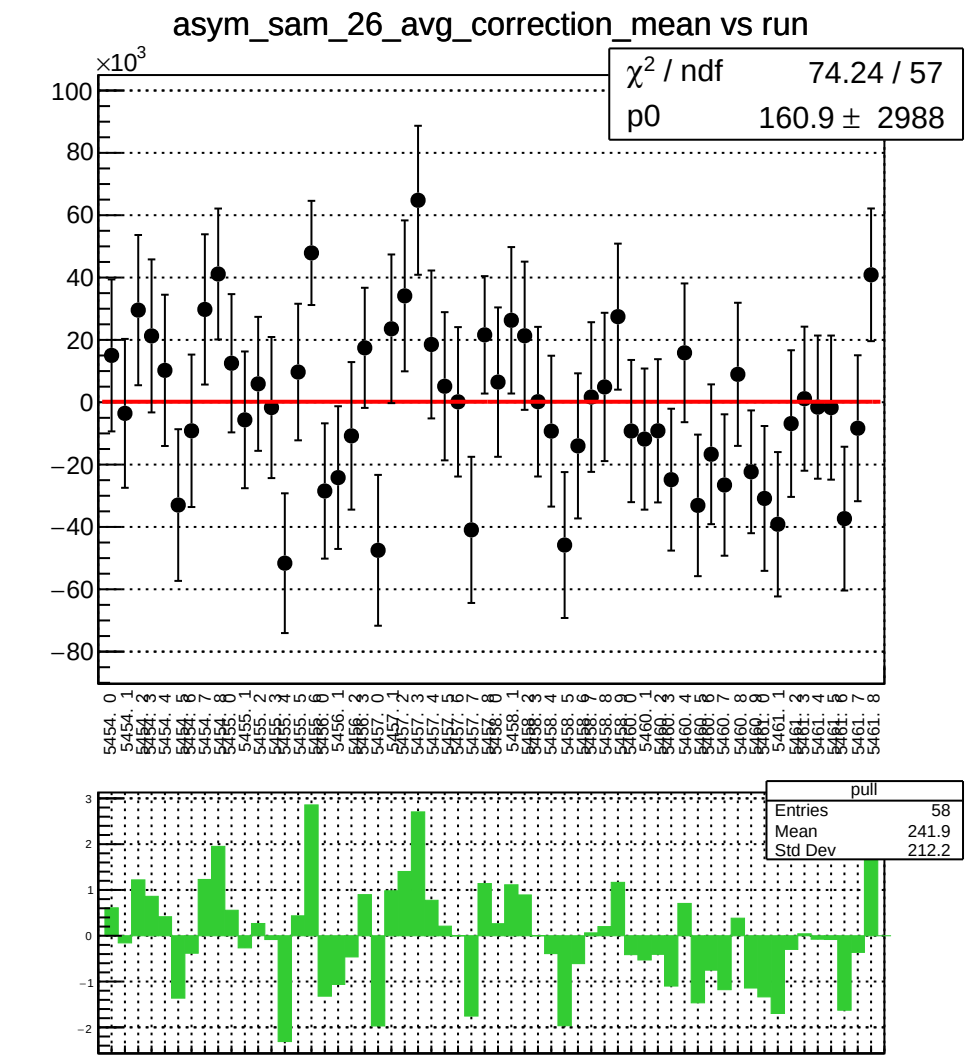

pull1D
Entries 58
Mean −0.01304
Std Dev 0.9891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

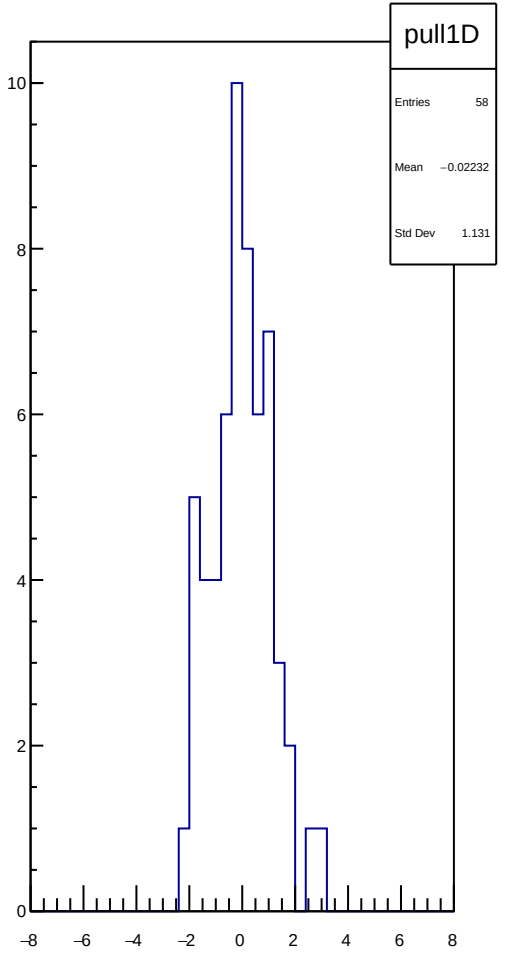

asym_sam_15_avg_rms vs run
χ² / ndf 7030 / 57
p0 84.66 ± 0.08117
105
100
95
90
85
80
75

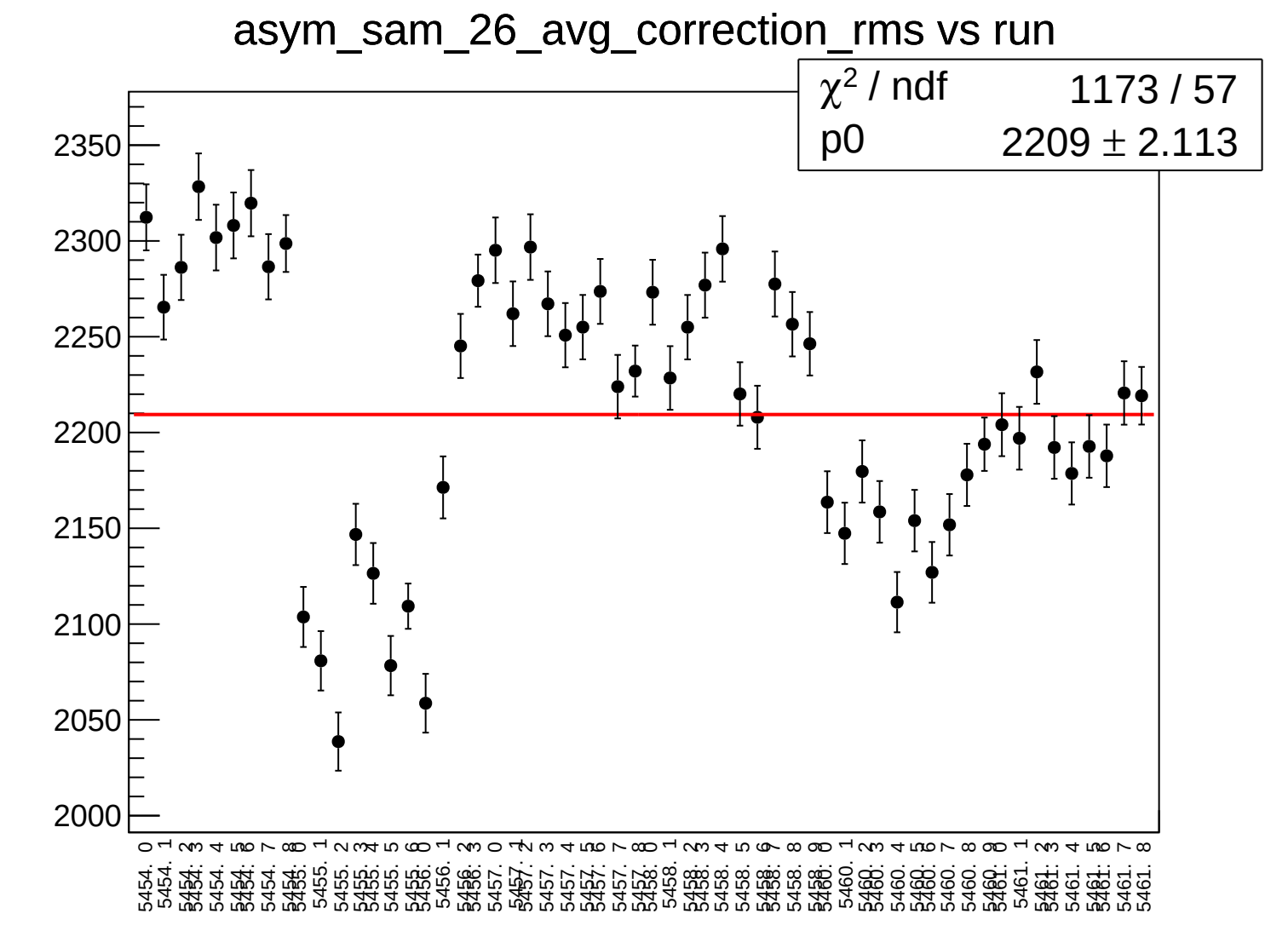

dit_asym_sam_26_avg_mean vs run
χ² / ndf 82.66 / 57
p0 −86.67 ± 400.8
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 85.13
Std Dev 51.23

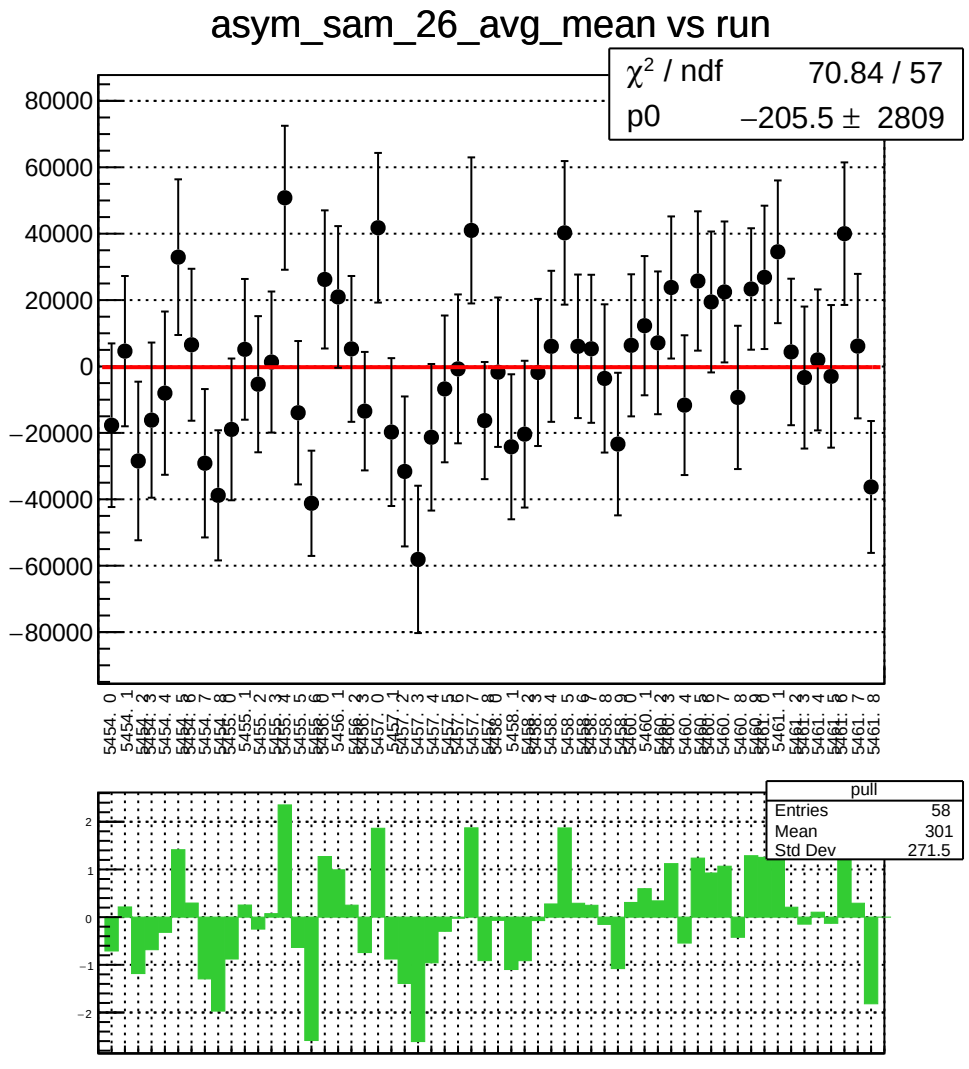

pull1D
Entries 58
Mean −0.03576
Std Dev 1.193

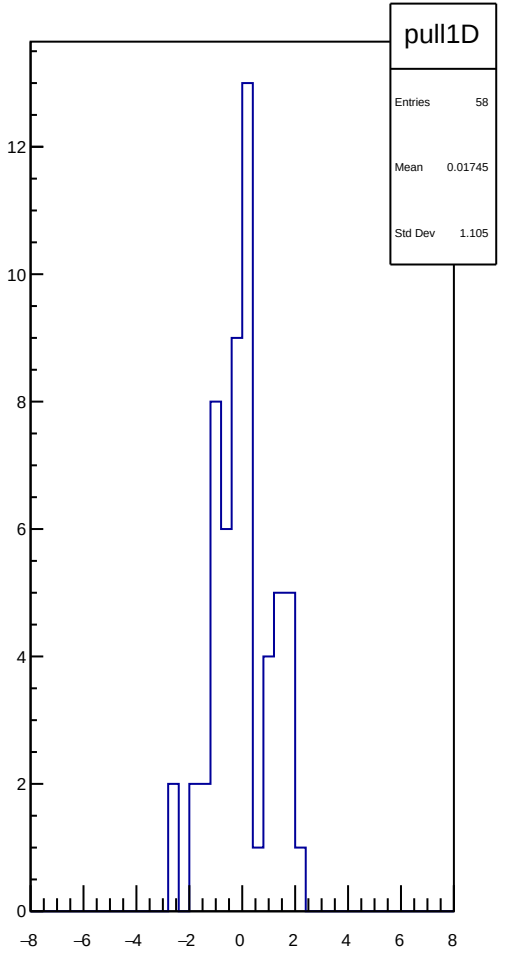

dit_asym_sam_26_avg_rms vs run
χ² / ndf 7694 / 57
p0 295.5 ± 0.2834
340
320
300
280
260
240
220

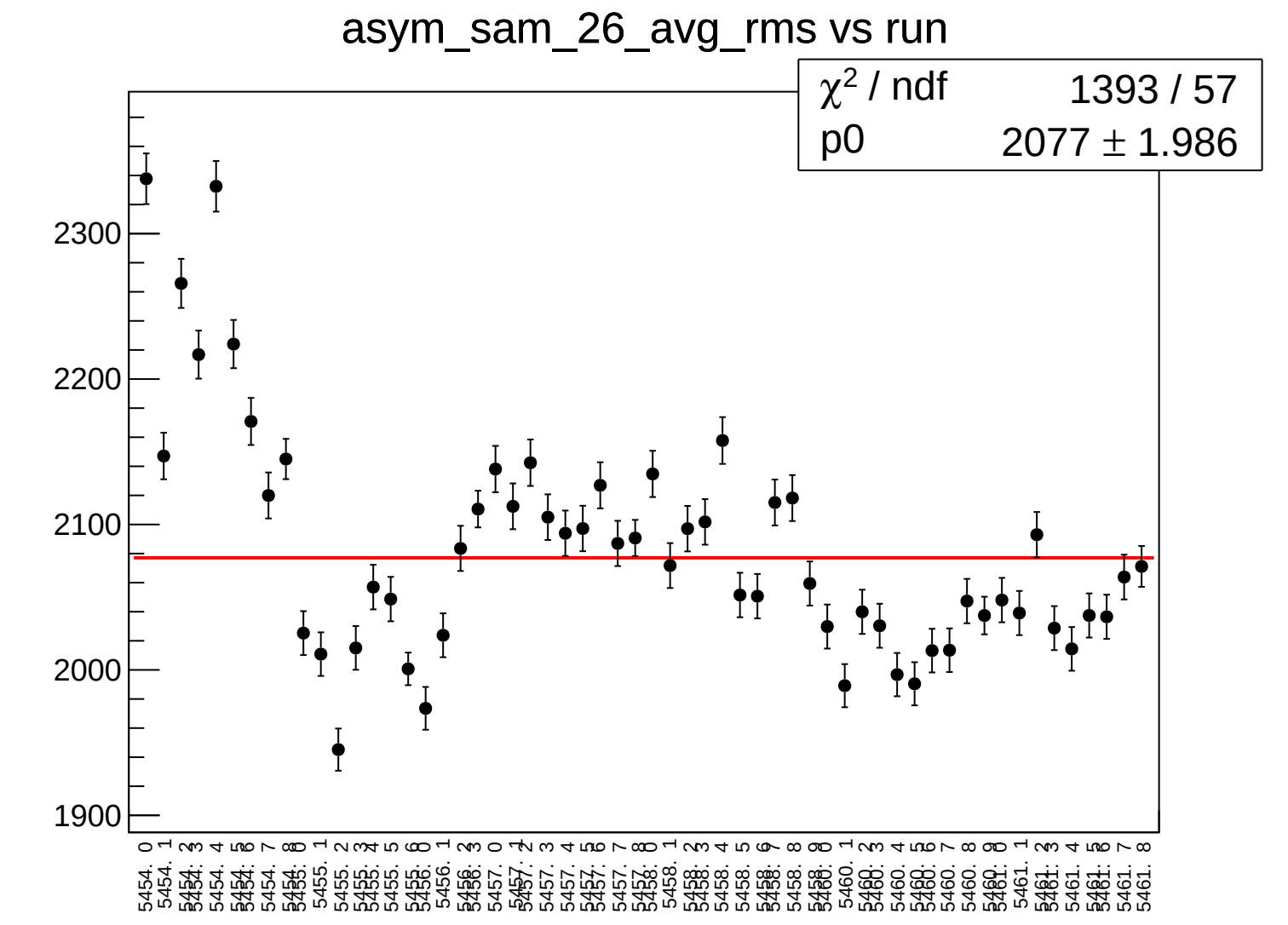

asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 74.24 / 57
p0 160.9 ± 2988
pull
Entries 58
Mean 241.9
Std Dev 212.2

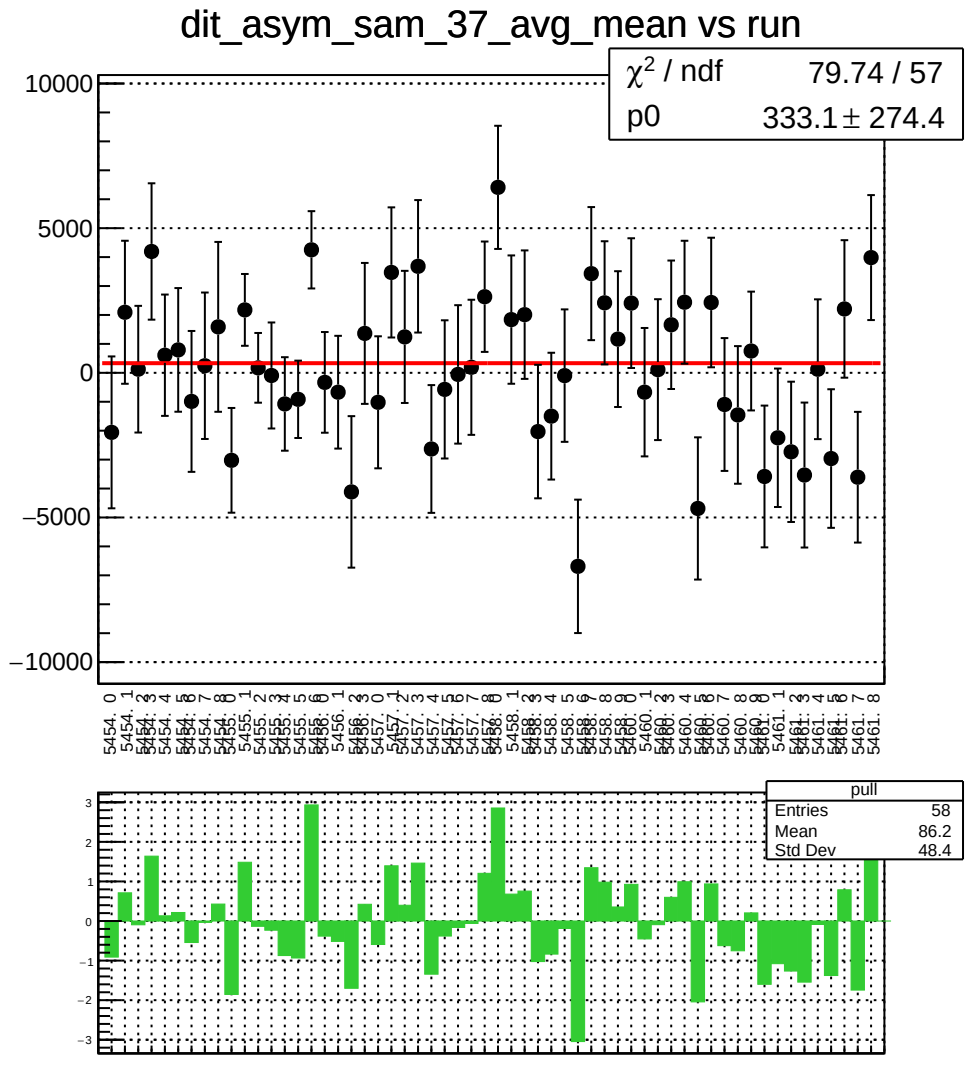

pull1D
Entries 58
Mean −0.02232
Std Dev 1.131

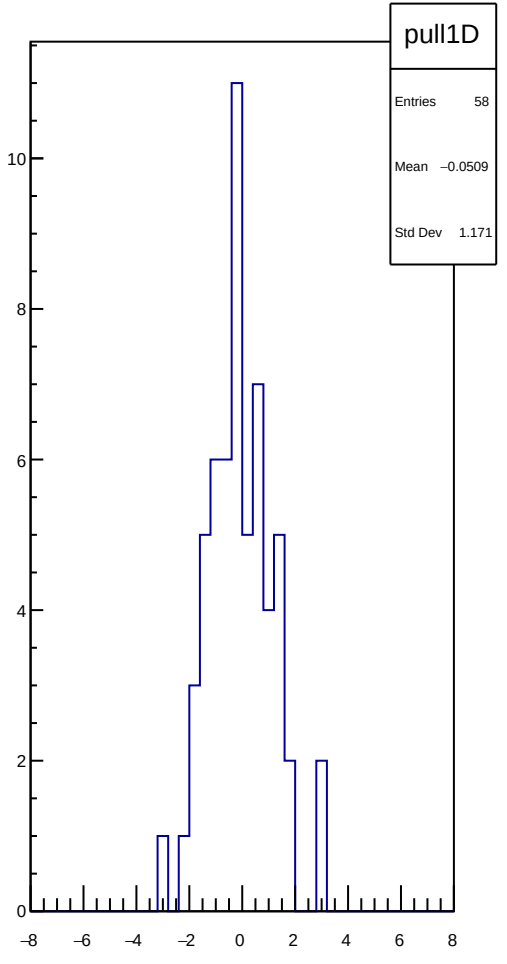

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1173 / 57
p0 2209 ± 2.113
2350
2300
2250
2200
2150
2100
2050
2000

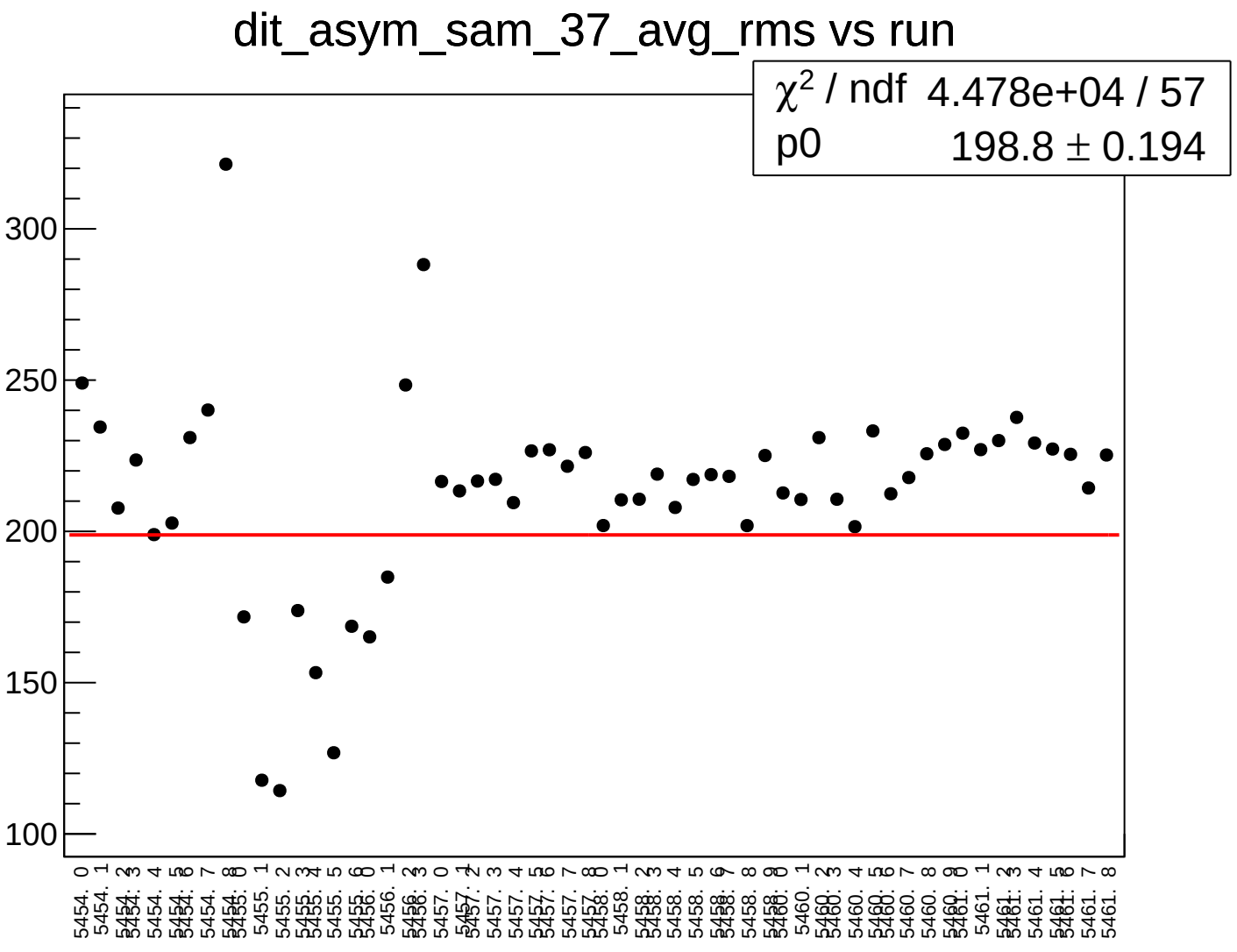

asym_sam_26_avg_mean vs run
χ² / ndf 70.84 / 57
p0 −205.5 ± 2809
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 58
Mean 301
Std Dev 271.5
2
1
0
−1
−2

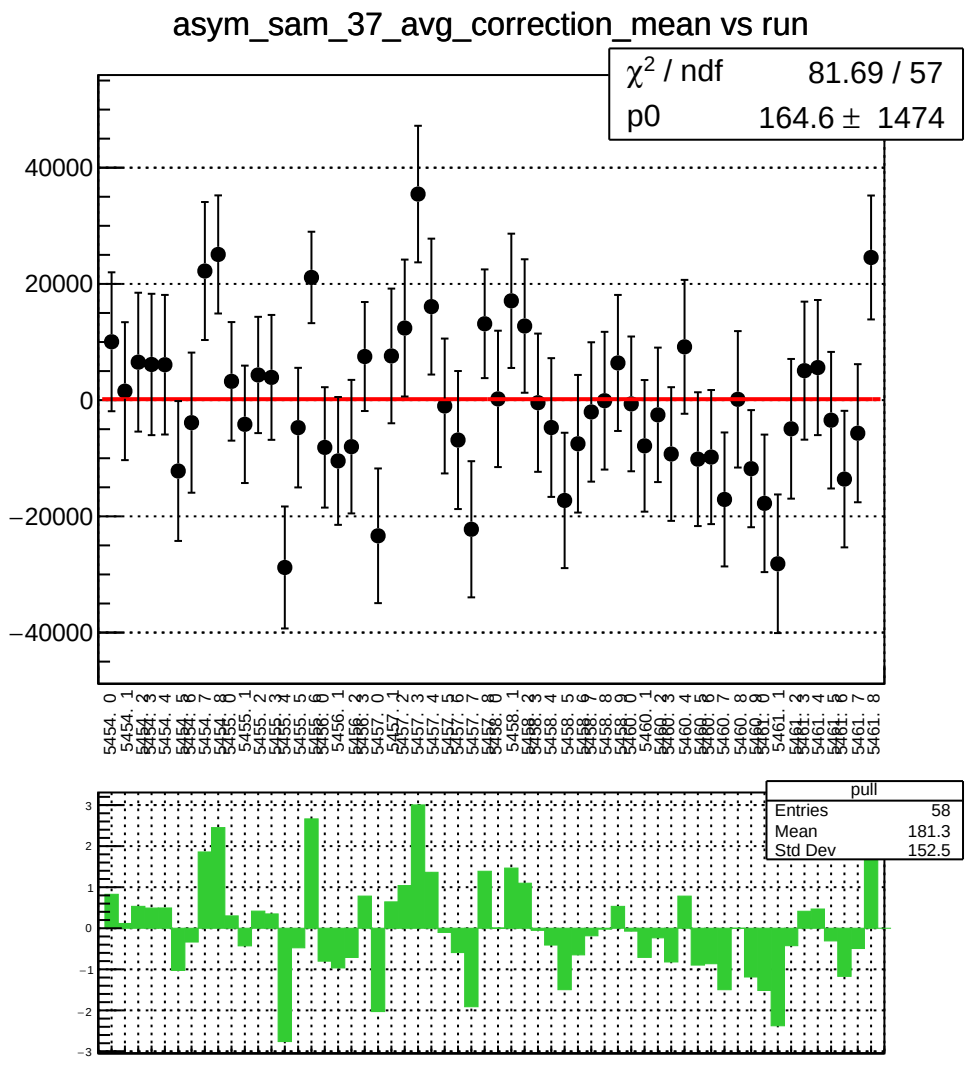

pull1D
Entries 58
Mean 0.01745
Std Dev 1.105
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

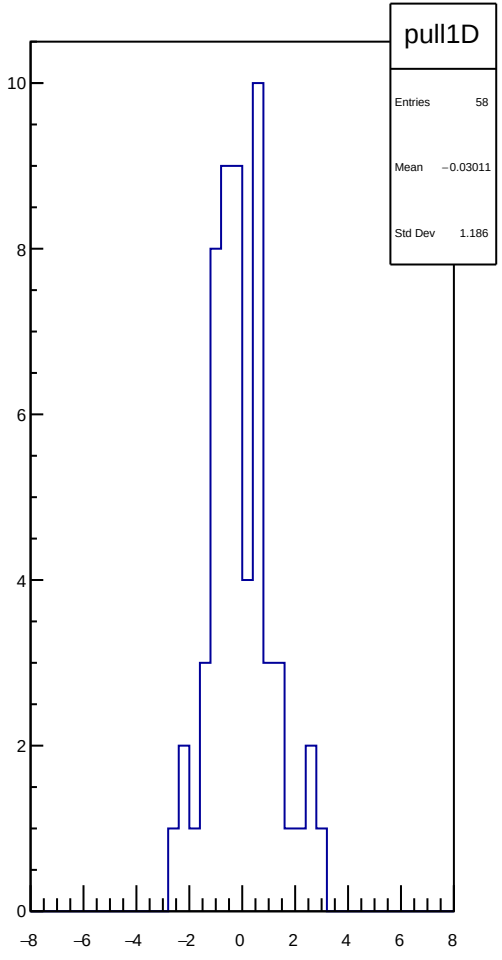

asym_sam_26_avg_rms vs run
χ² / ndf 1393 / 57
p0 2077 ± 1.986
2300
2200
2100
2000
1900

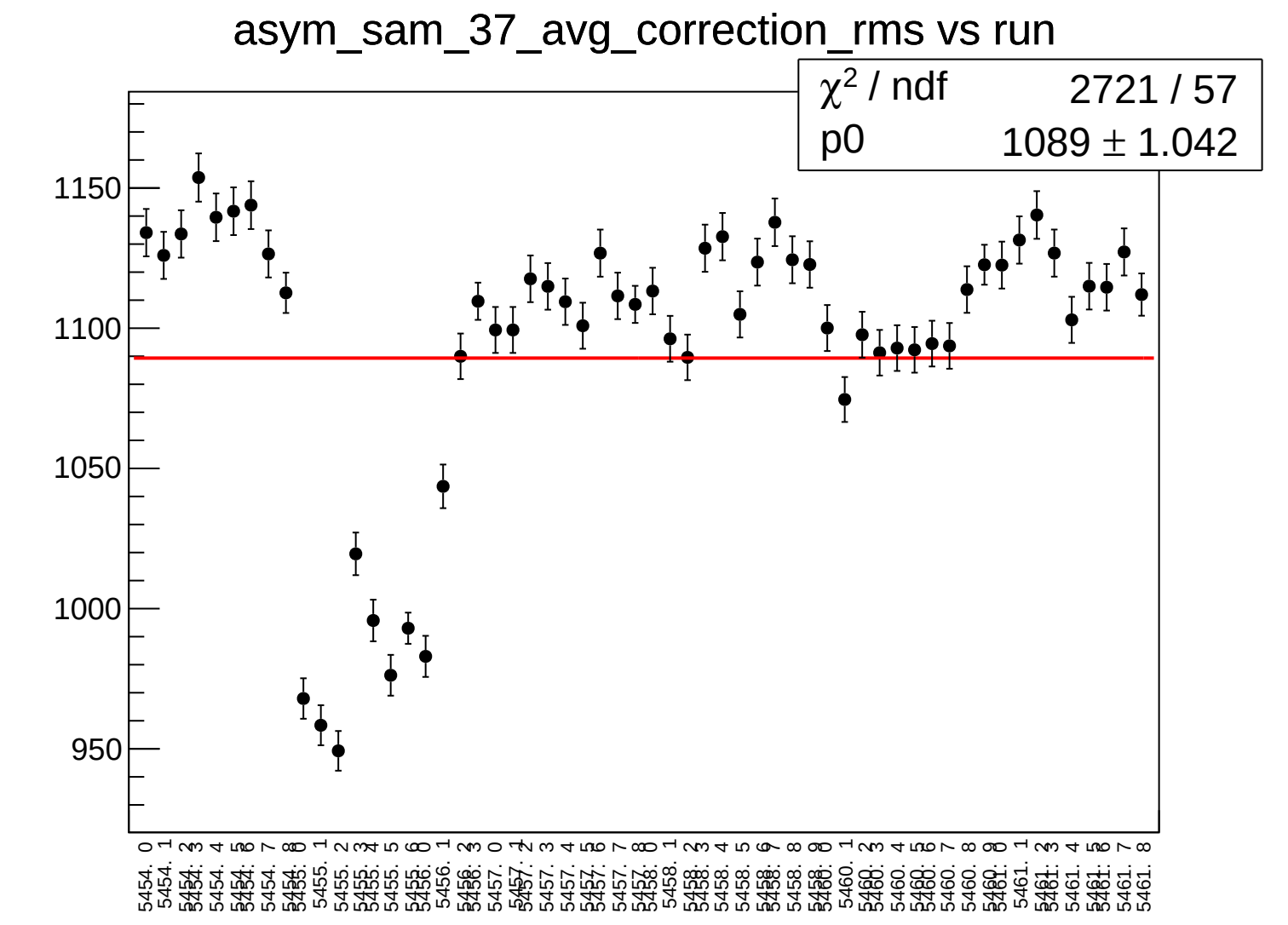

dit_asym_sam_37_avg_mean vs run
χ² / ndf 79.74 / 57
p0 333.1 ± 274.4
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 86.2
Std Dev 48.4
3
2
1
0
−1
−2
−3

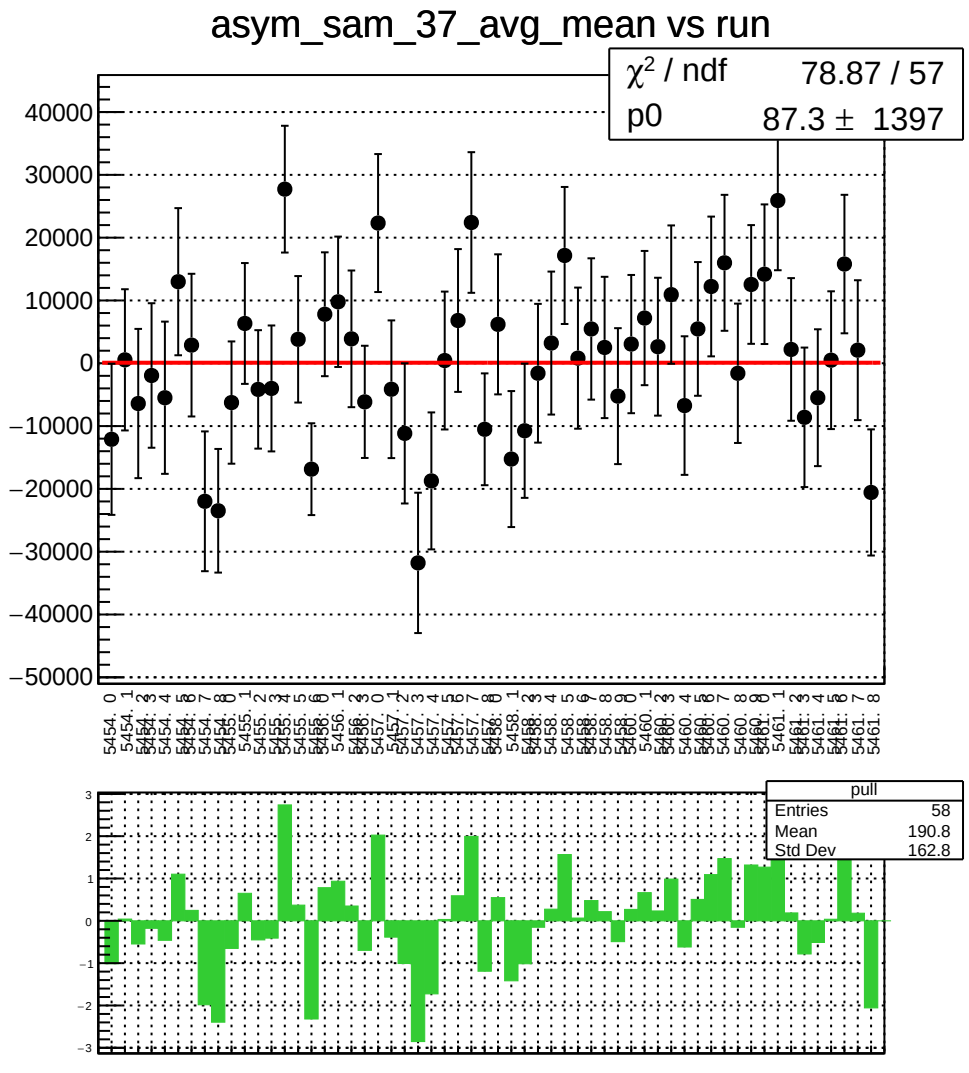

pull1D
Entries 58
Mean −0.0509
Std Dev 1.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

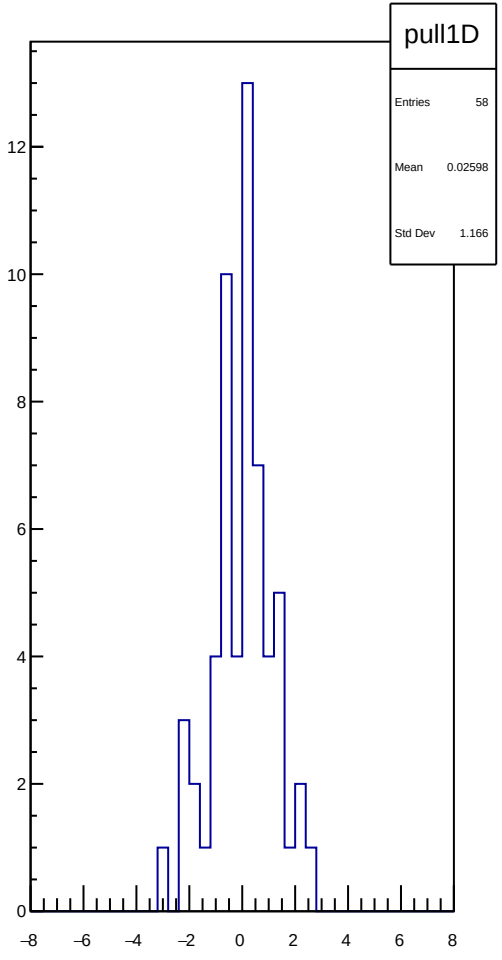

dit_asym_sam_37_avg_rms vs run
χ² / ndf 4.478e+04 / 57
p0 198.8 ± 0.194
300
250
200
150
100

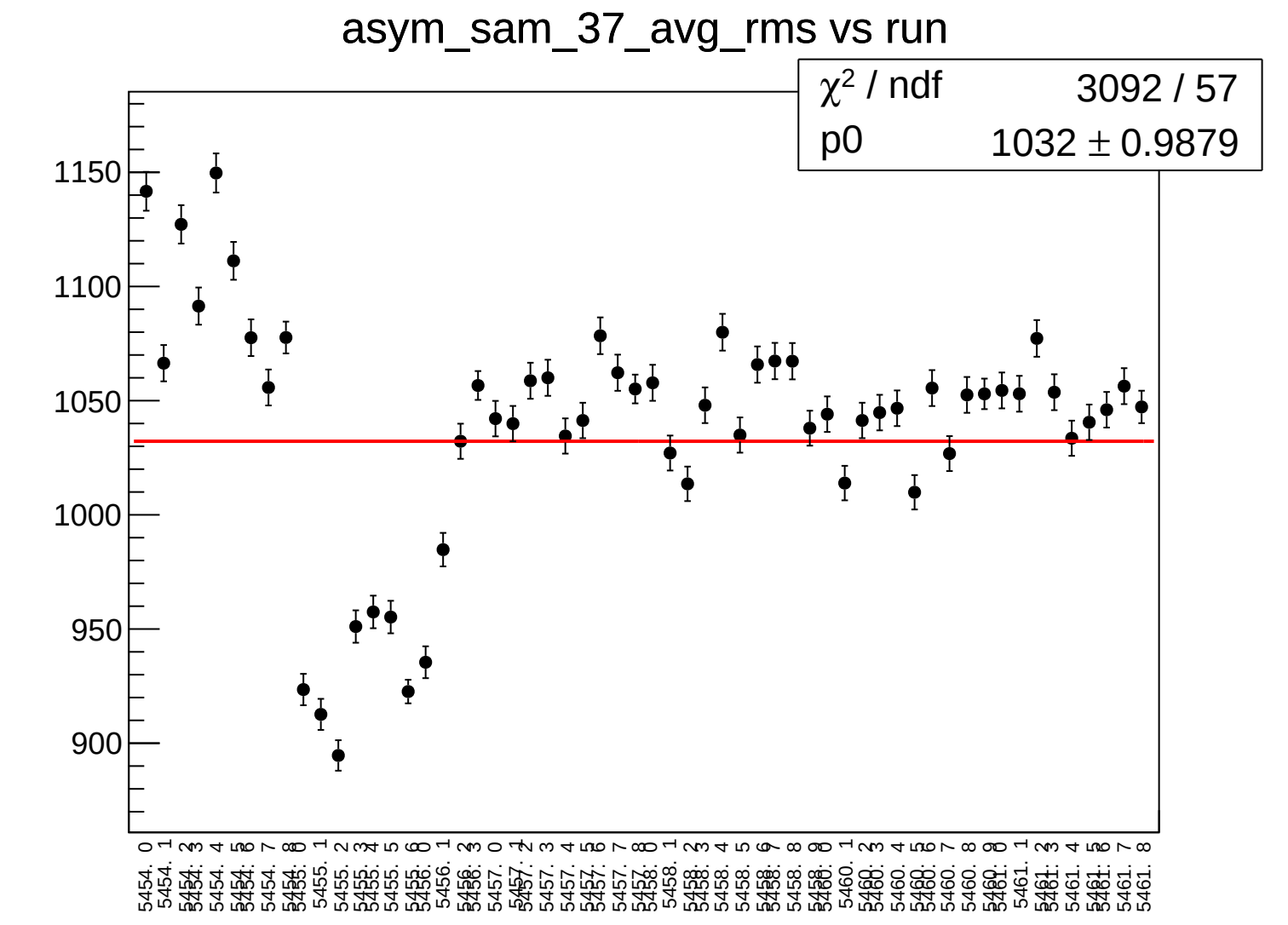

asym_sam_37_avg_correction_mean vs run
χ² / ndf 81.69 / 57
p0 164.6 ± 1474
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 181.3
Std Dev 152.5
3
2
1
0
−1
−2
−3

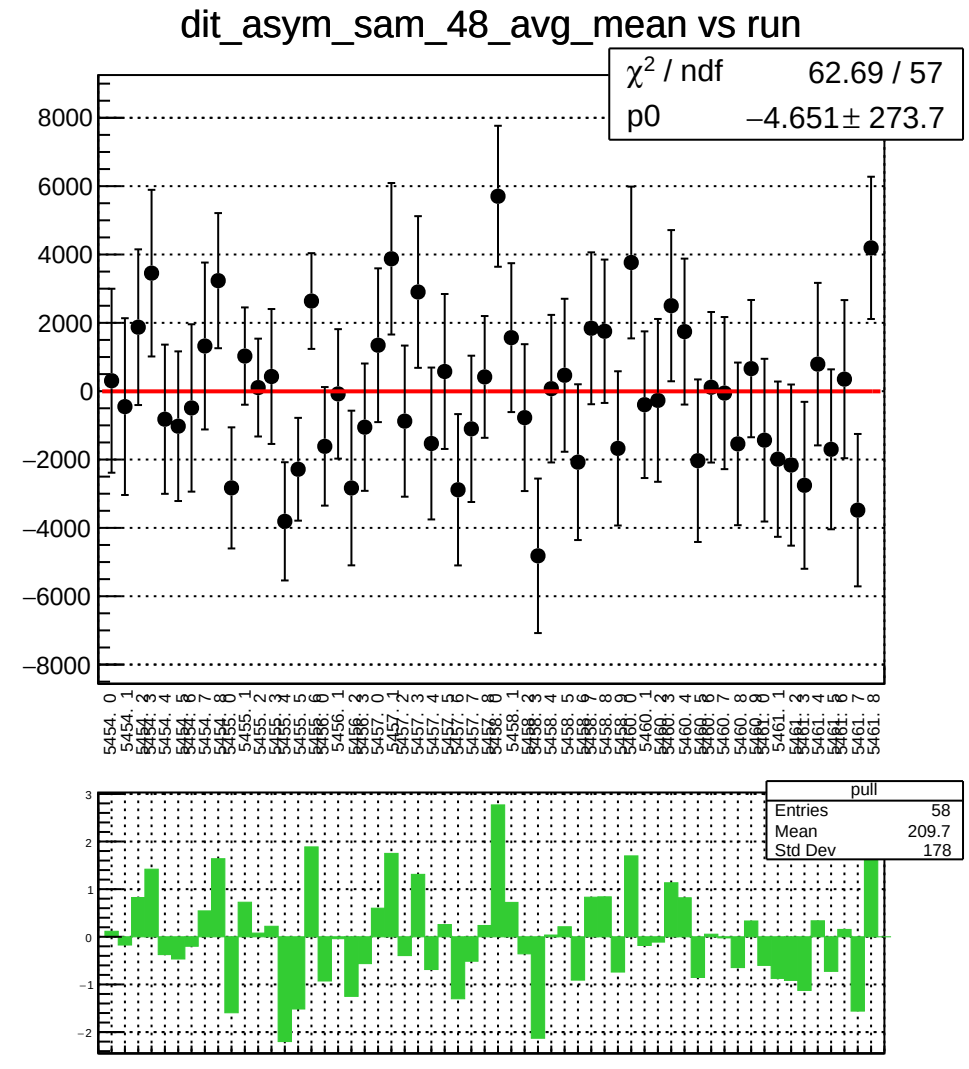

pull1D
Entries 58
Mean −0.03011
Std Dev 1.186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

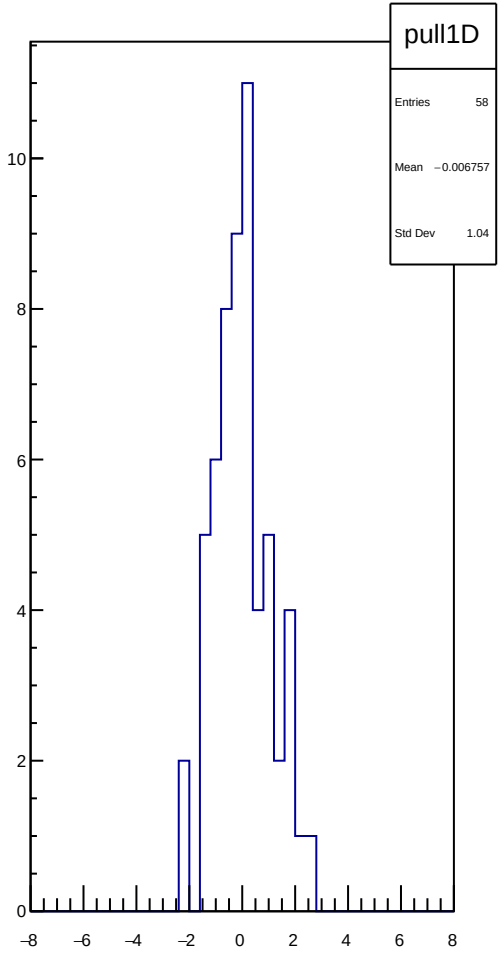

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2721 / 57
p0 1089 ± 1.042
1150
1100
1050
1000
950

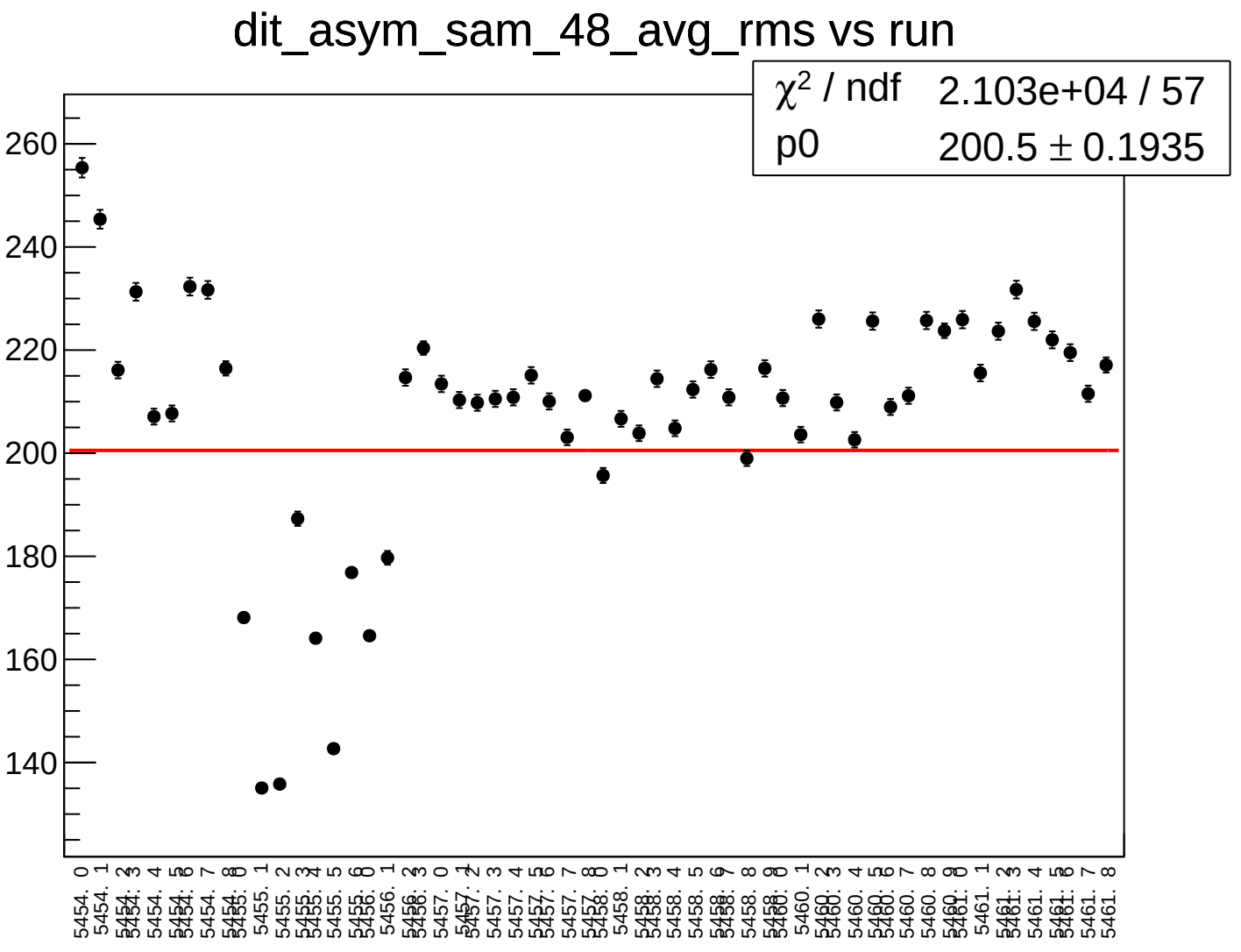

asym_sam_37_avg_mean vs run
χ² / ndf 78.87 / 57
p0 87.3 ± 1397
pull
Entries 58
Mean 190.8
Std Dev 162.8

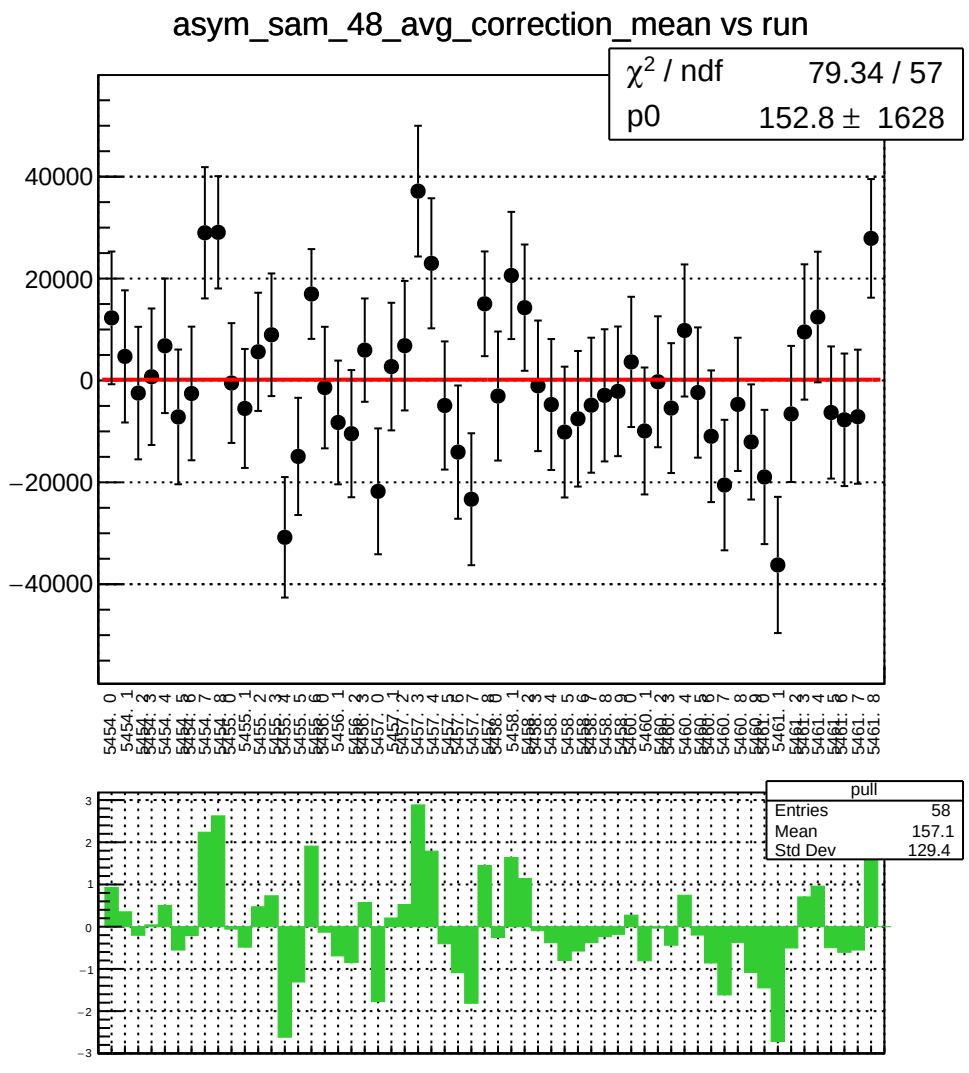

pull1D
Entries 58
Mean 0.02598
Std Dev 1.166

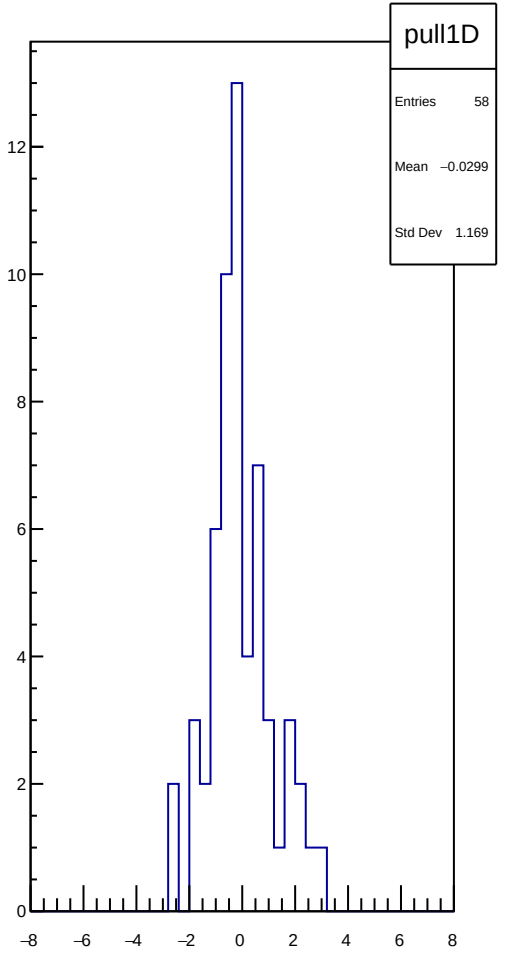

asym_sam_37_avg_rms vs run
χ² / ndf 3092 / 57
p0 1032 ± 0.9879
1150
1100
1050
1000
950
900

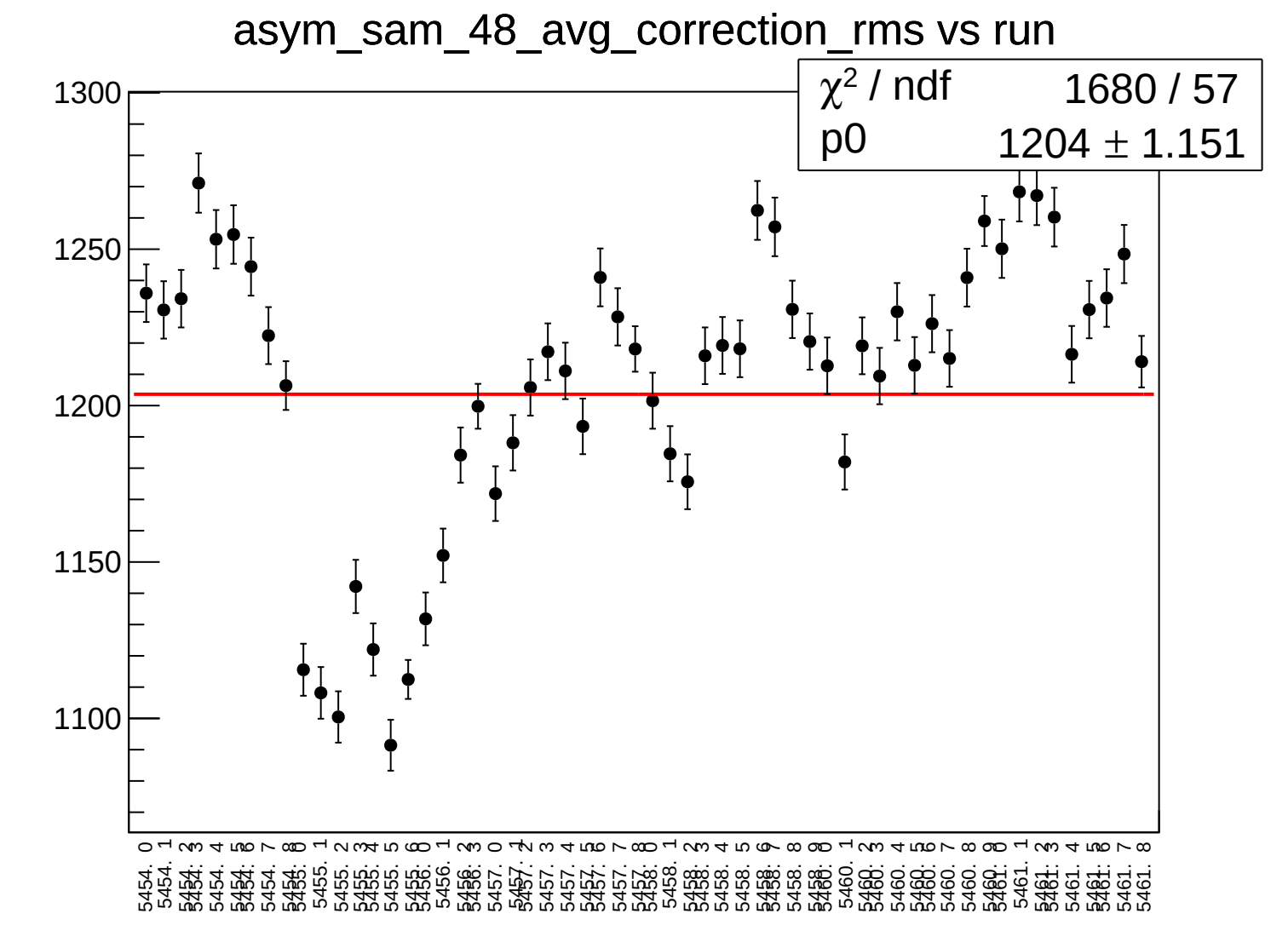

dit_asym_sam_48_avg_mean vs run
χ² / ndf 62.69 / 57
p0 −4.651 ± 273.7
pull
Entries 58
Mean 209.7
Std Dev 178

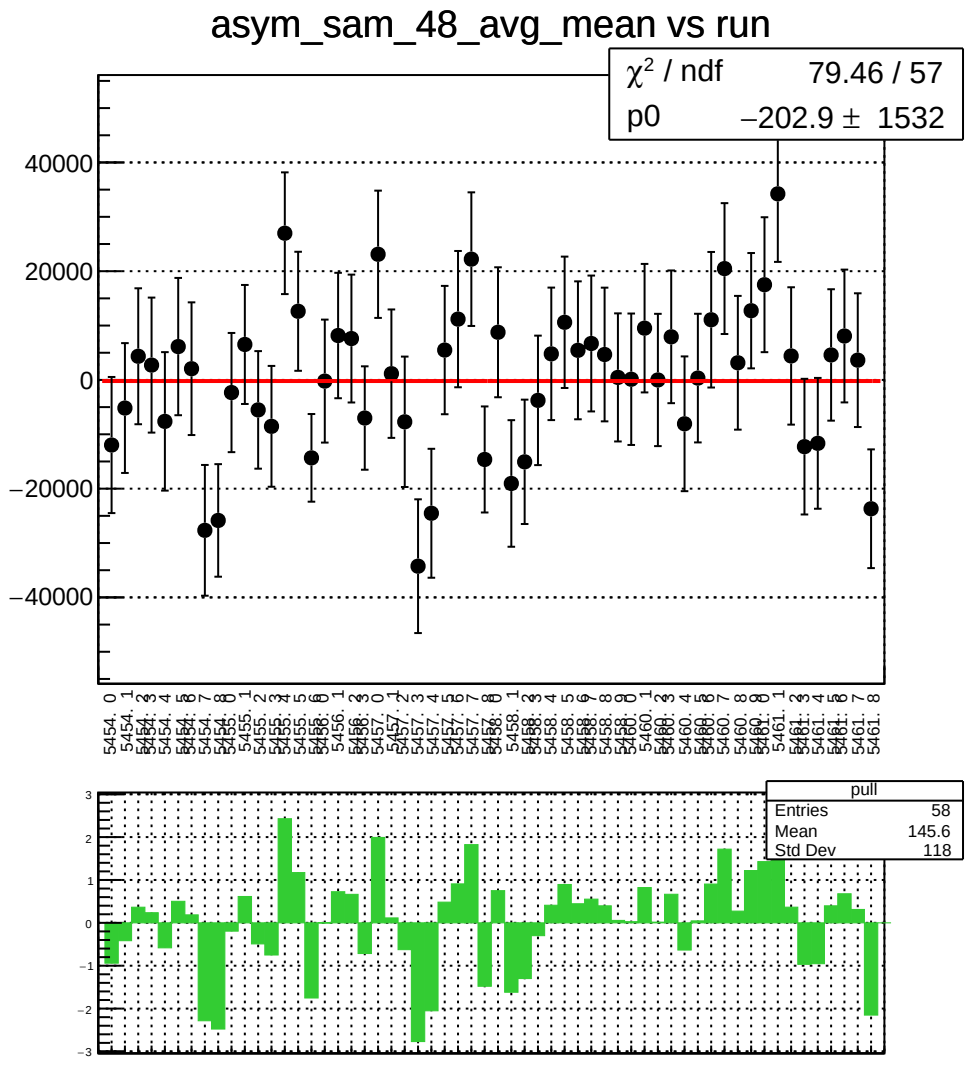

pull1D
Entries 58
Mean −0.006757
Std Dev 1.04

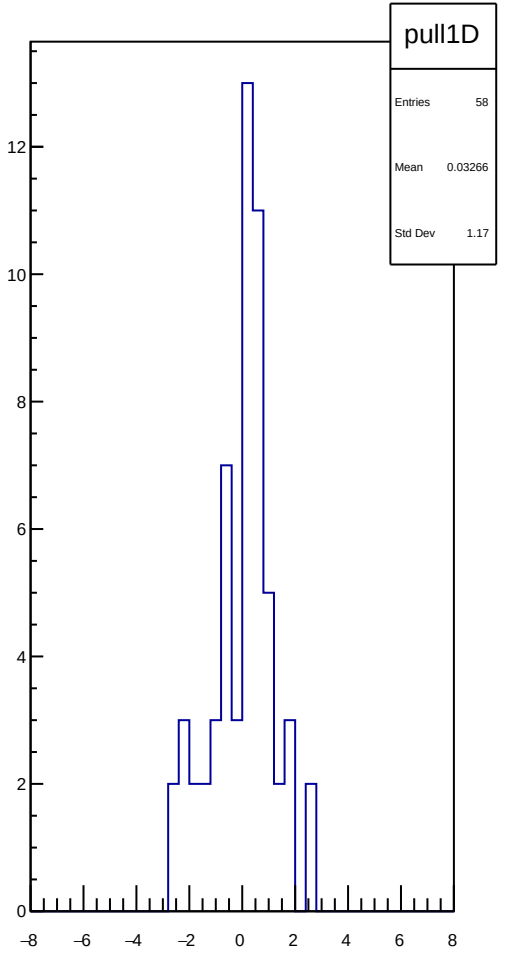

dit_asym_sam_48_avg_rms vs run
χ² / ndf 2.103e+04 / 57
p0 200.5 ± 0.1935
260
240
220
200
180
160
140

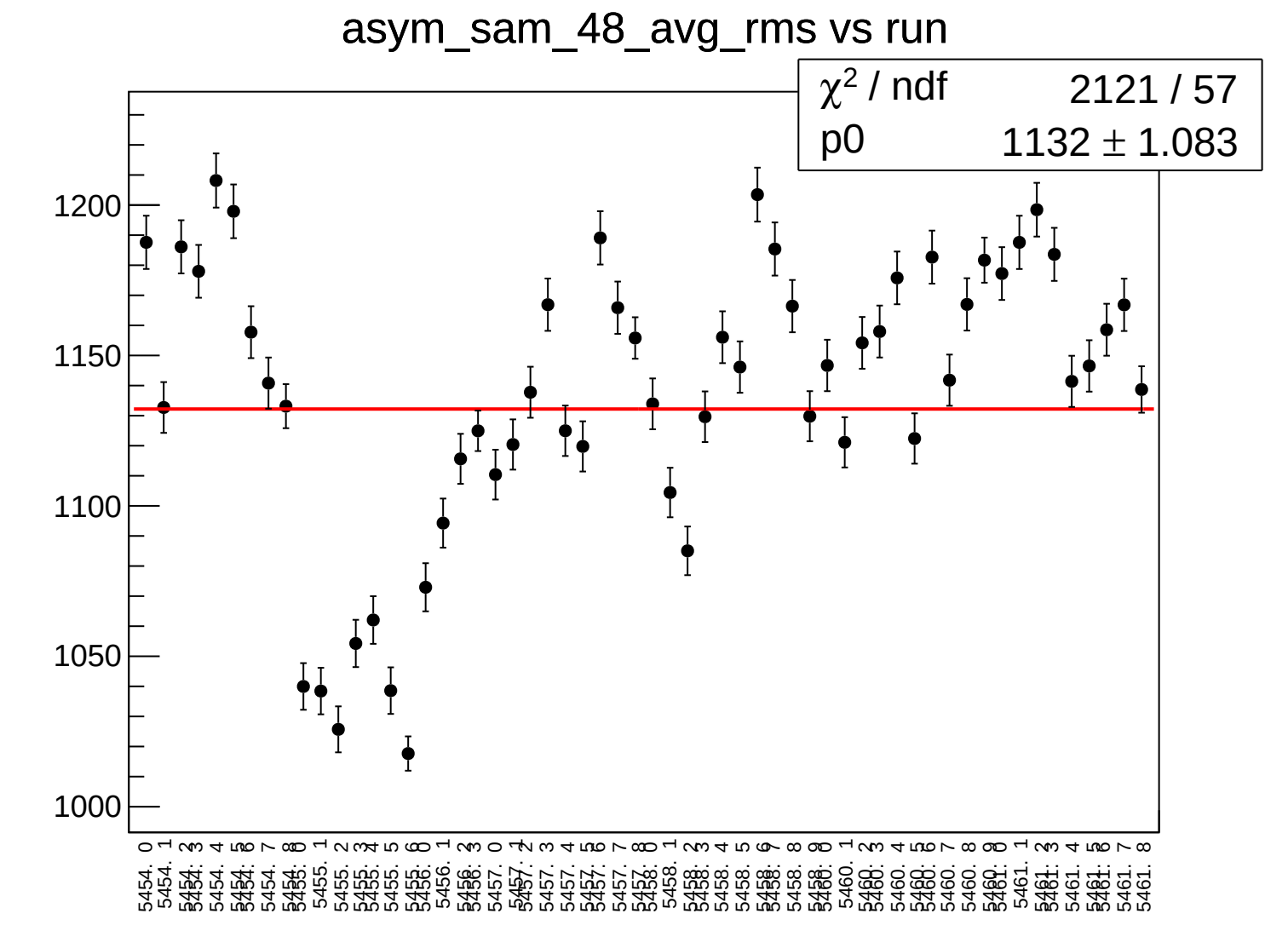

asym_sam_48_avg_correction_mean vs run
χ² / ndf 79.34 / 57
p0 152.8 ± 1628
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 157.1
Std Dev 129.4
3
2
1
0
−1
−2
−3

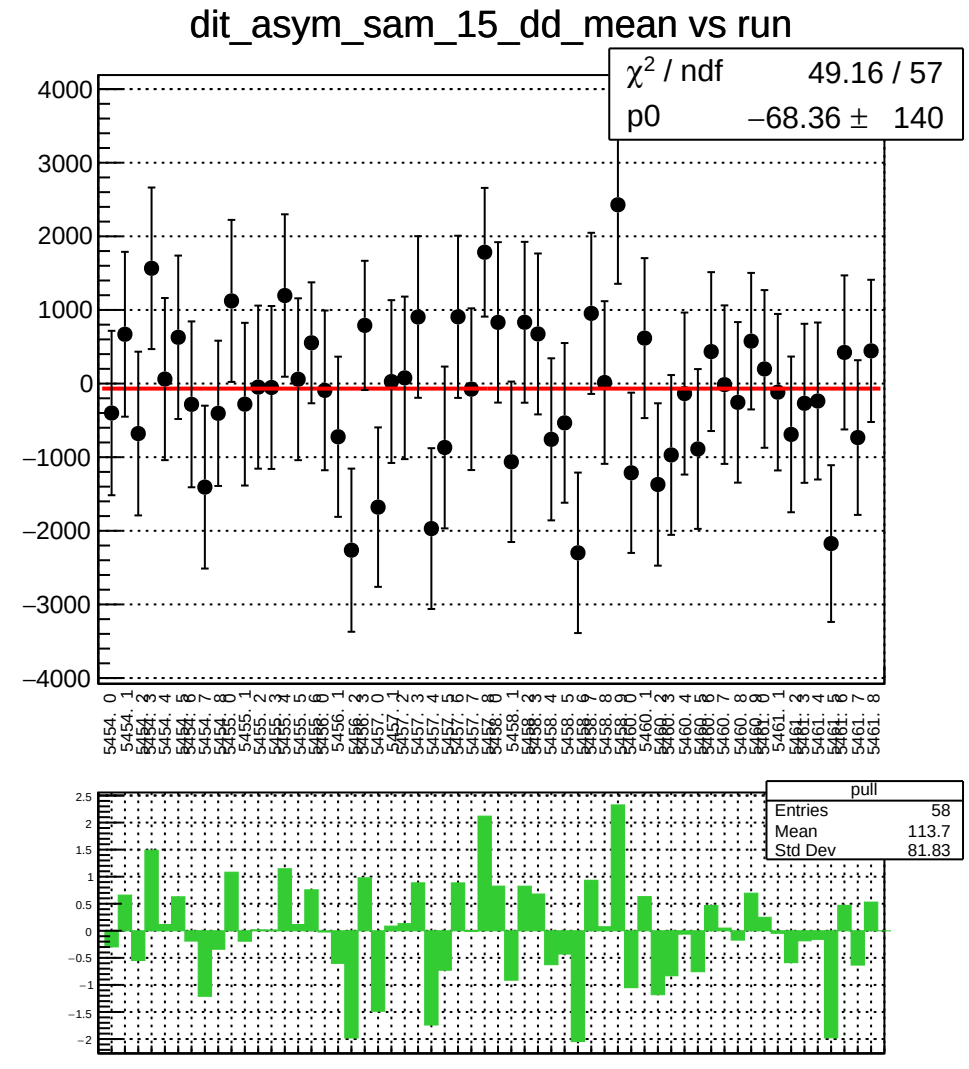

pull1D
Entries 58
Mean −0.0299
Std Dev 1.169
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

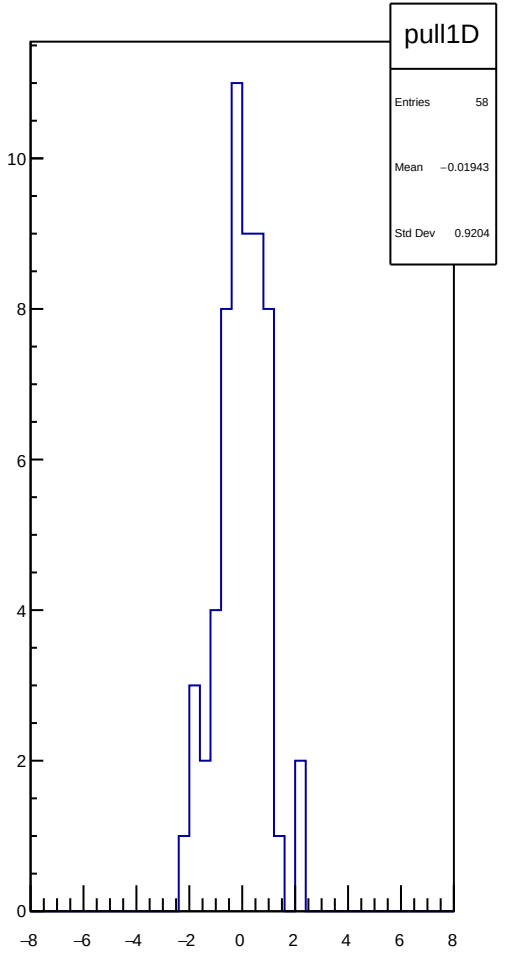

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1680 / 57
p0 1204 ± 1.151
1300
1250
1200
1150
1100

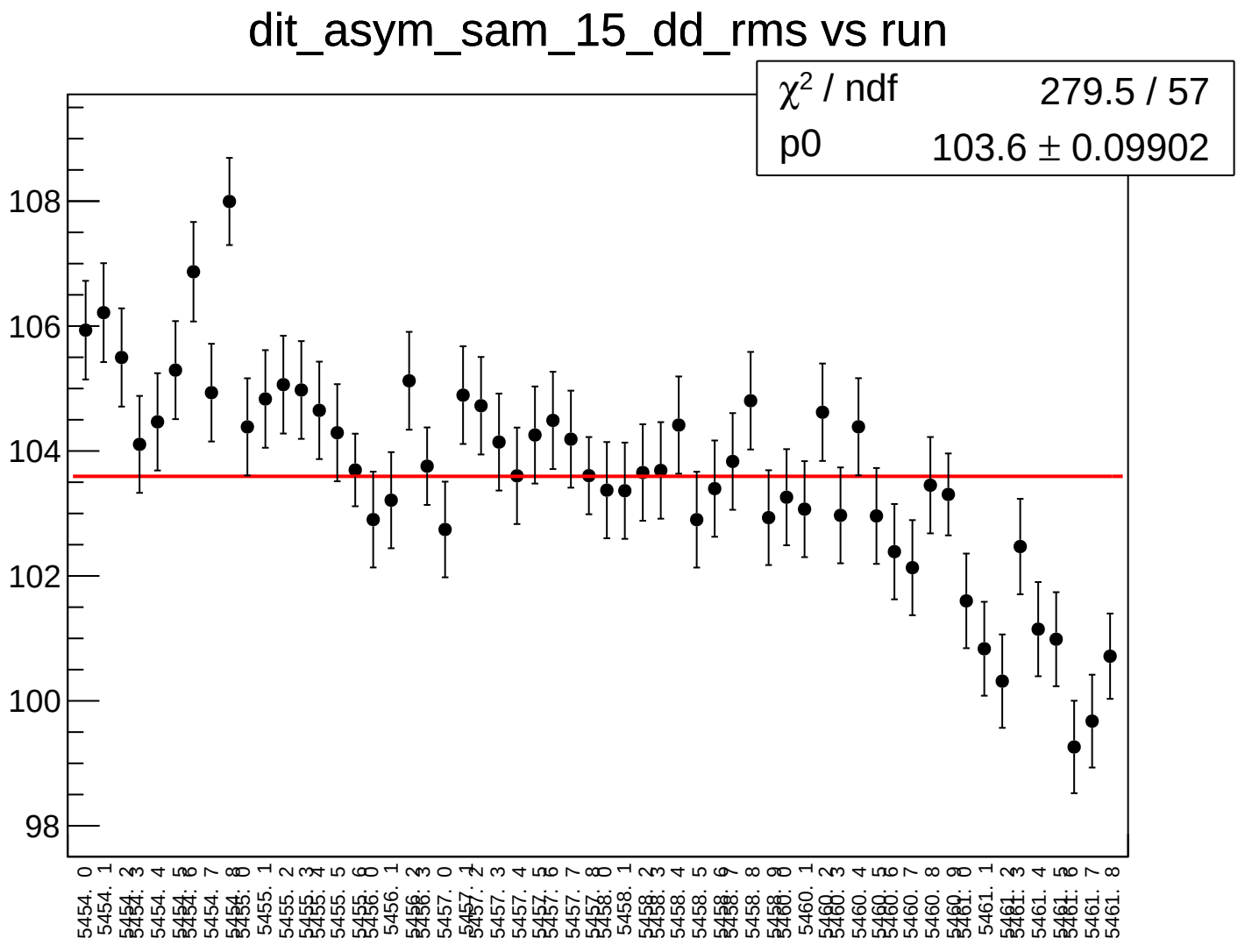

asym_sam_48_avg_mean vs run
χ² / ndf 79.46 / 57
p0 −202.9 ± 1532
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 145.6
Std Dev 118
3
2
1
0
−1
−2
−3

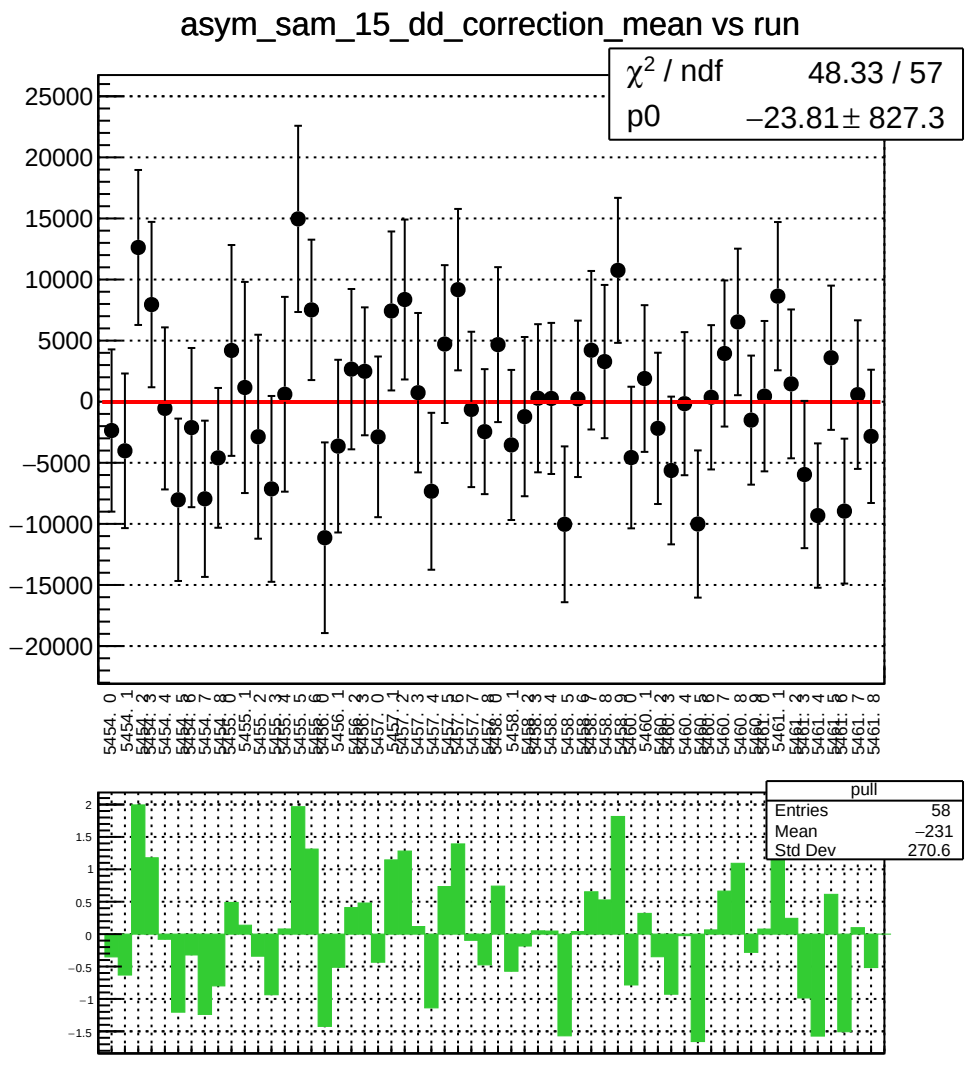

pull1D
Entries 58
Mean 0.03266
Std Dev 1.17
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

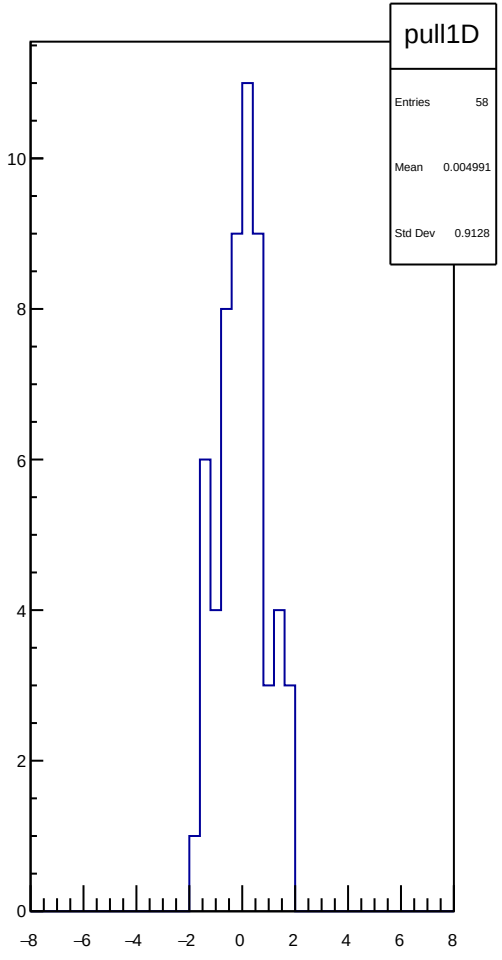

asym_sam_48_avg_rms vs run
χ² / ndf 2121 / 57
p0 1132 ± 1.083
1200
1150
1100
1050
1000

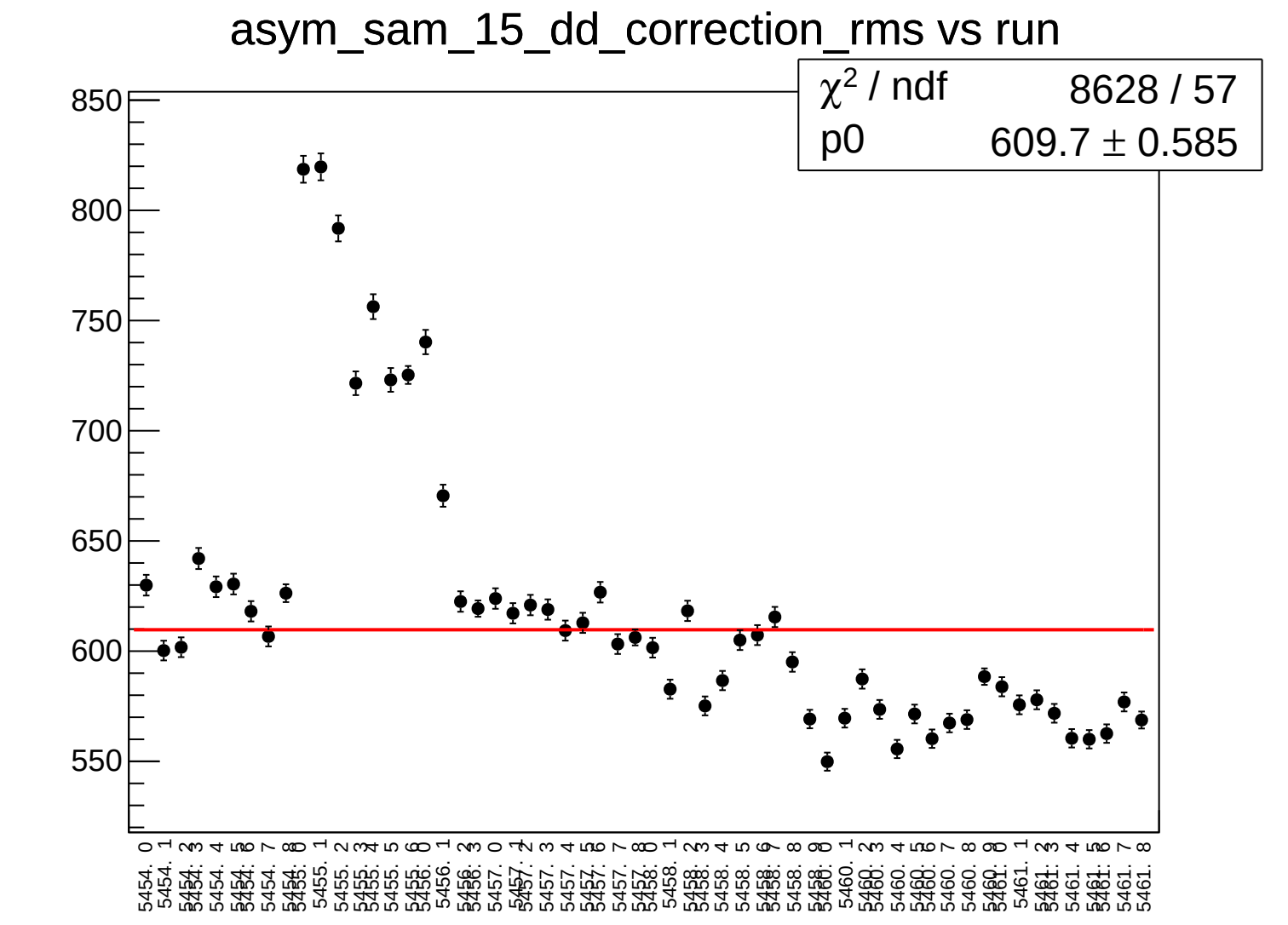

dit_asym_sam_15_dd_mean vs run
χ² / ndf 49.16 / 57
p0 −68.36 ± 140
pull
Entries 58
Mean 113.7
Std Dev 81.83

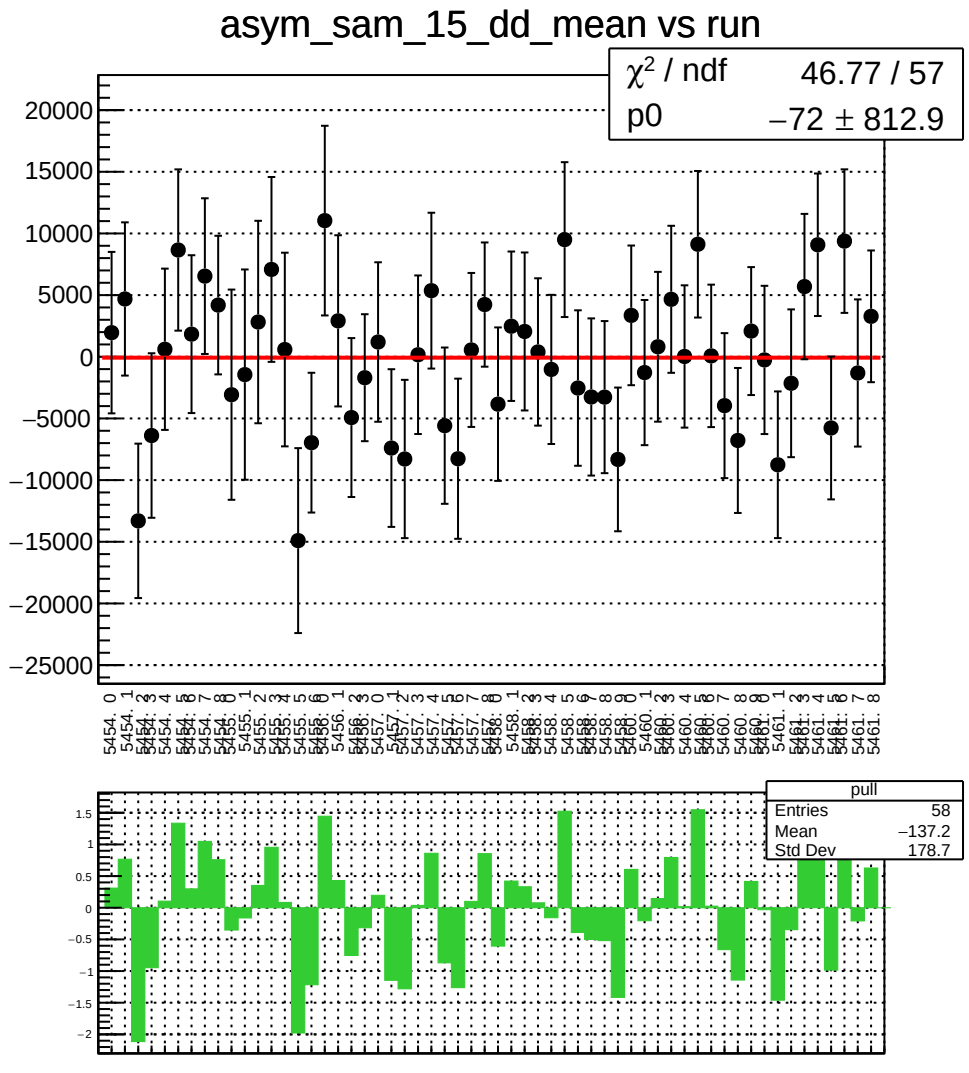

pull1D
Entries 58
Mean −0.01943
Std Dev 0.9204

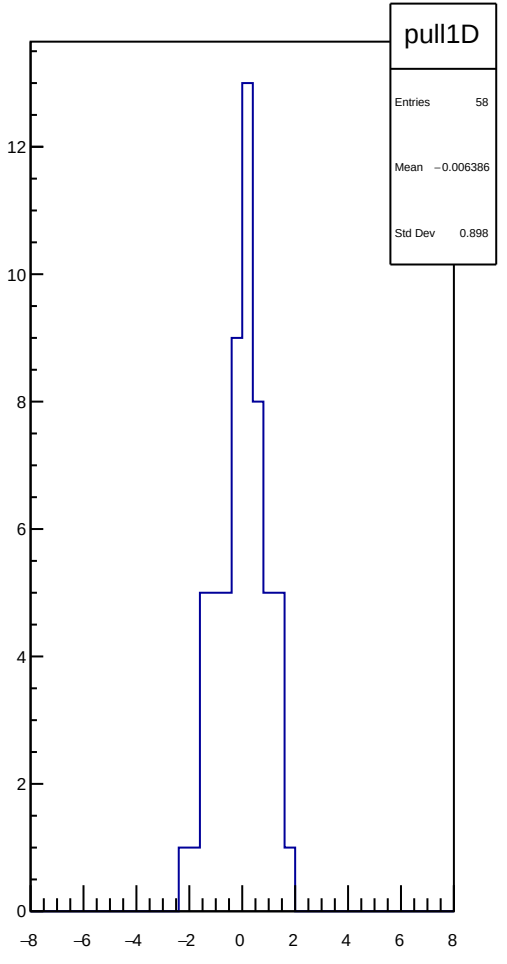

dit_asym_sam_15_dd_rms vs run
χ² / ndf 279.5 / 57
p0 103.6 ± 0.09902
108
106
104
102
100
98

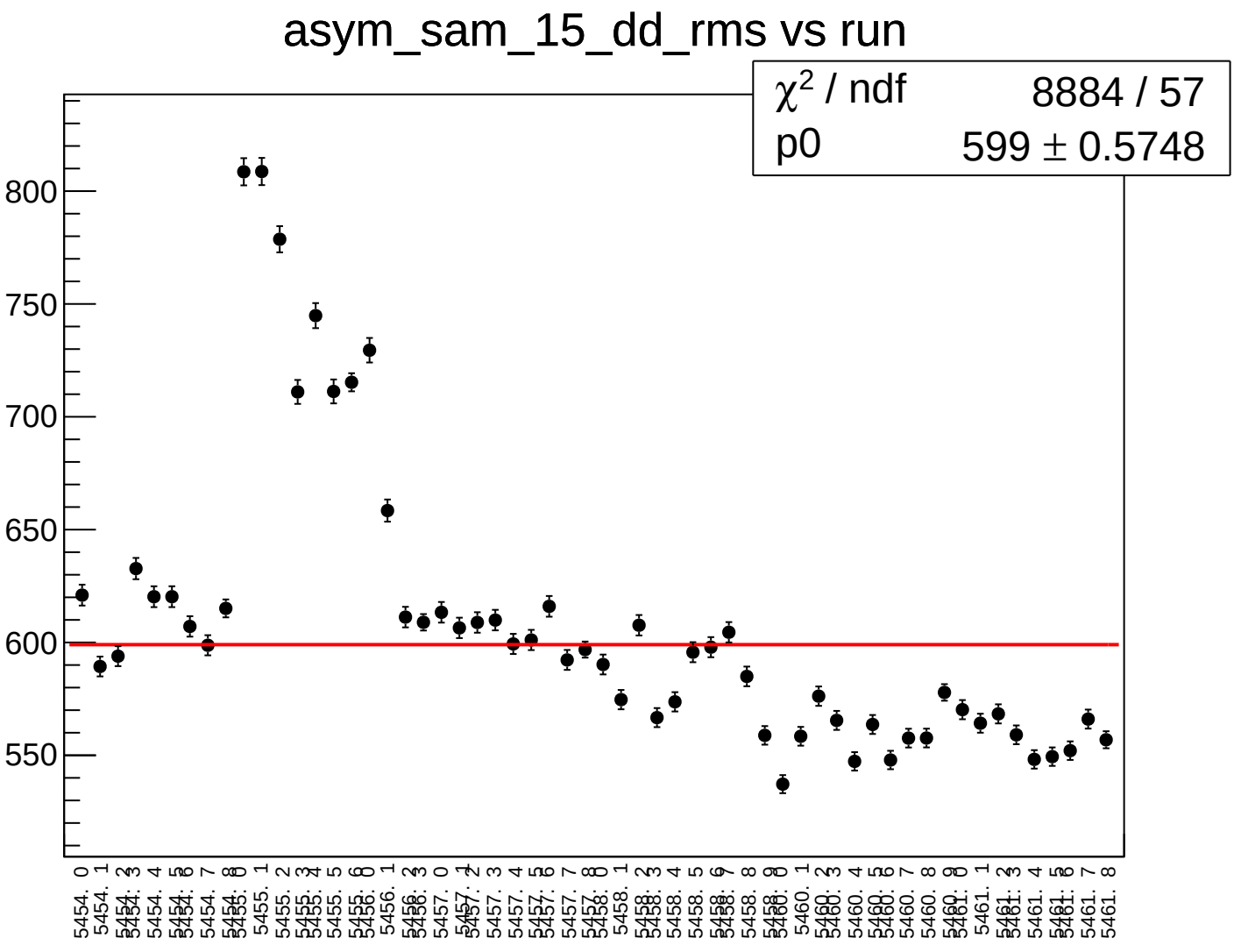

asym_sam_15_dd_correction_mean vs run
χ² / ndf 48.33 / 57
p0 −23.81 ± 827.3
pull
Entries 58
Mean −231
Std Dev 270.6

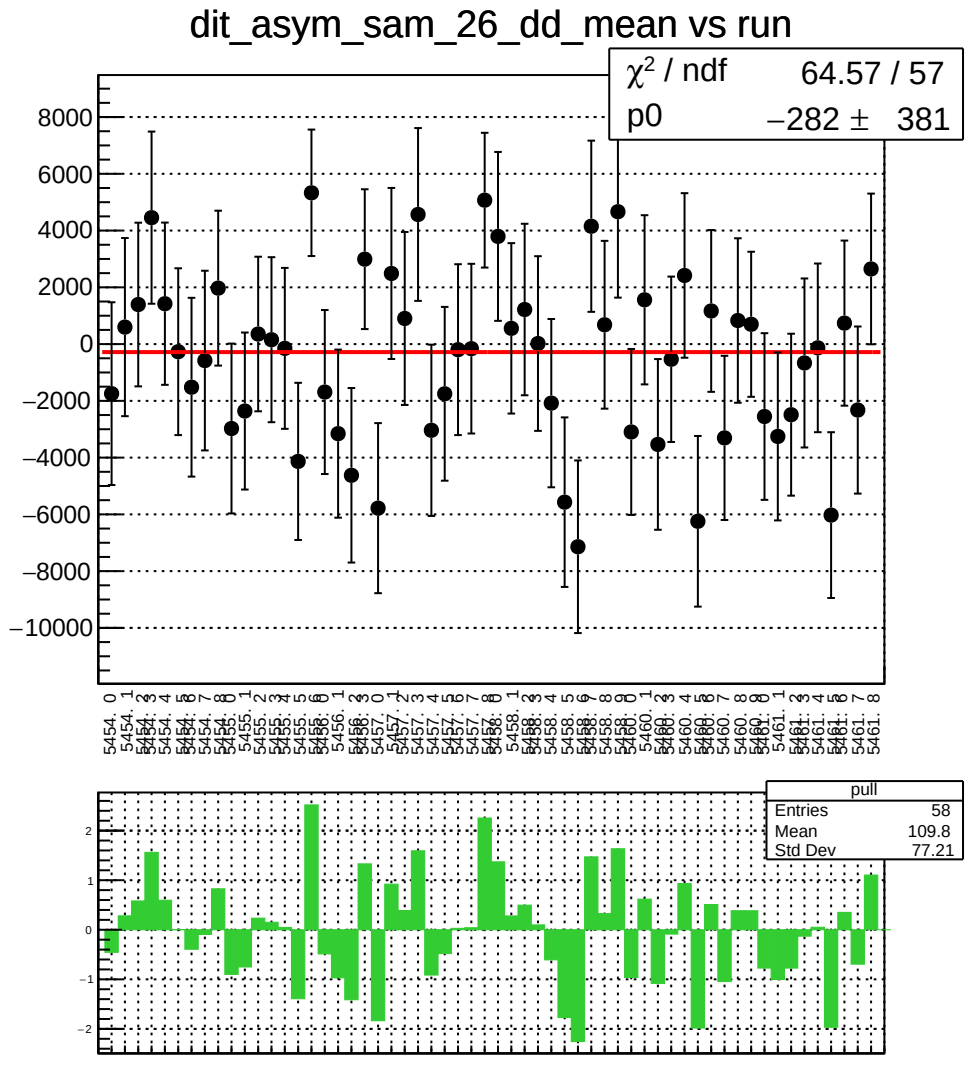

pull1D
Entries 58
Mean 0.004991
Std Dev 0.9128

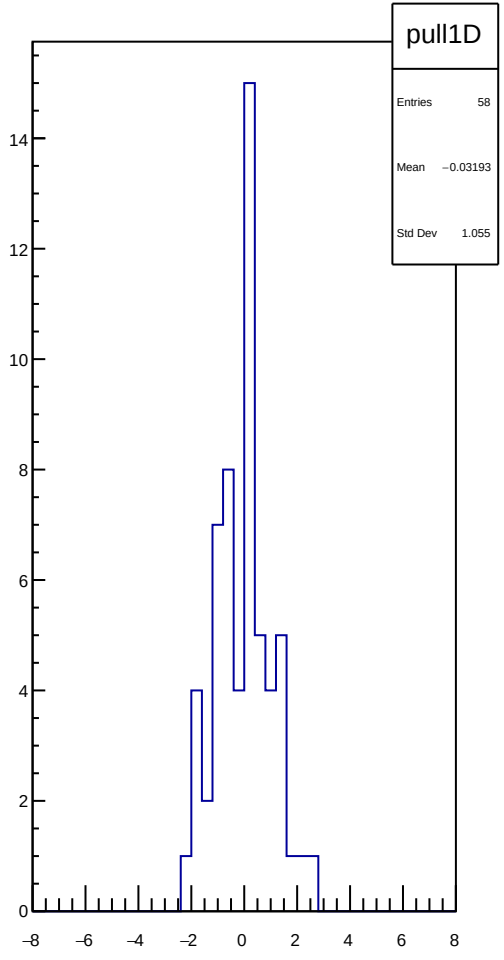

asym_sam_15_dd_correction_rms vs run
χ² / ndf 8628 / 57
p0 609.7 ± 0.585
850
800
750
700
650
600
550

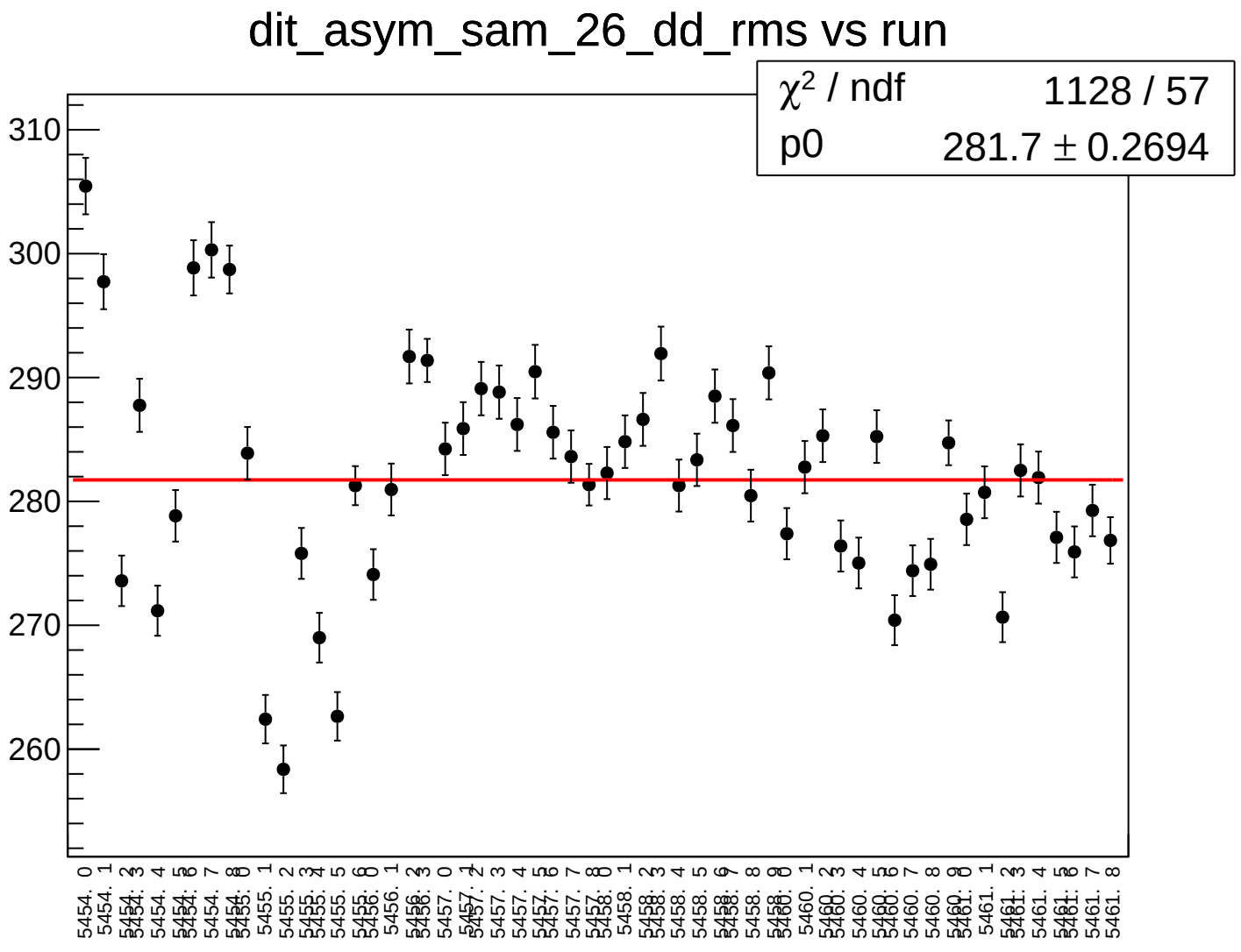

asym_sam_15_dd_mean vs run
χ² / ndf 46.77 / 57
p0 −72 ± 812.9
pull
Entries 58
Mean −137.2
Std Dev 178.7

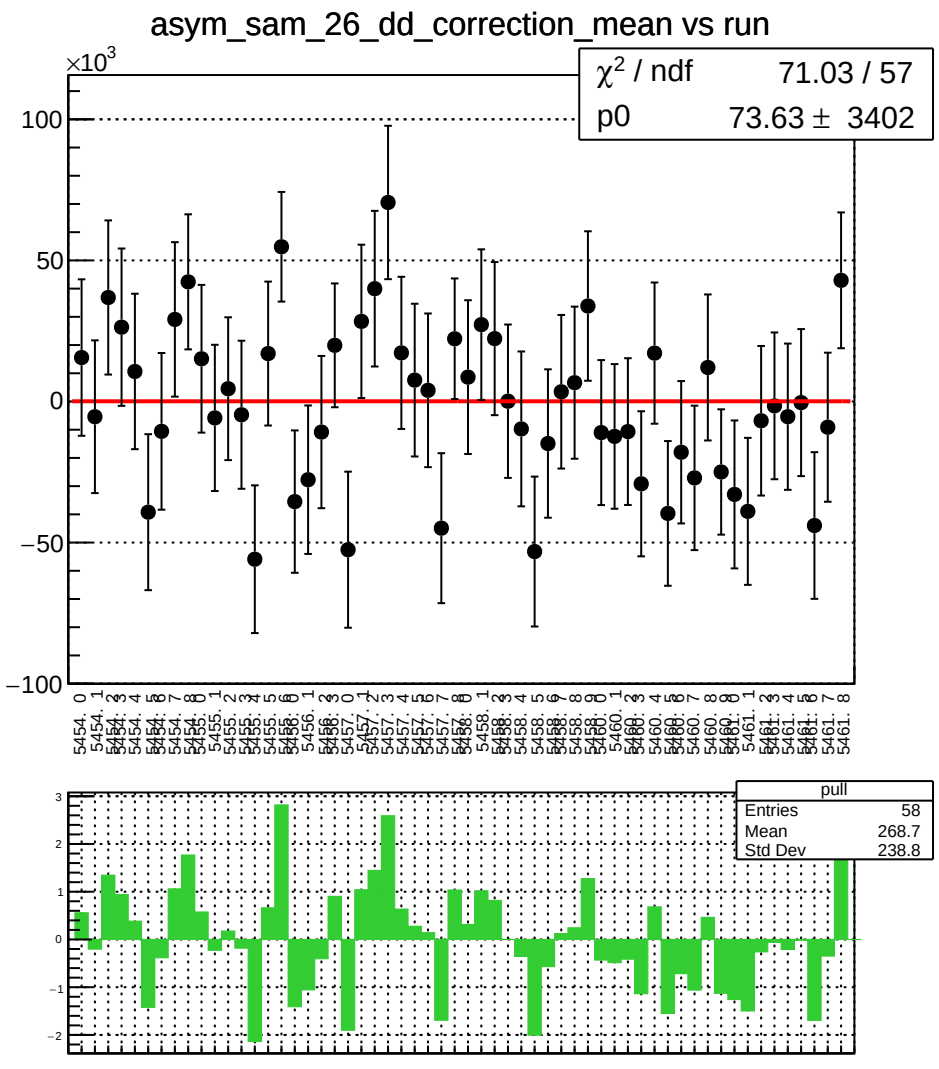

pull1D
Entries 58
Mean −0.006386
Std Dev 0.898

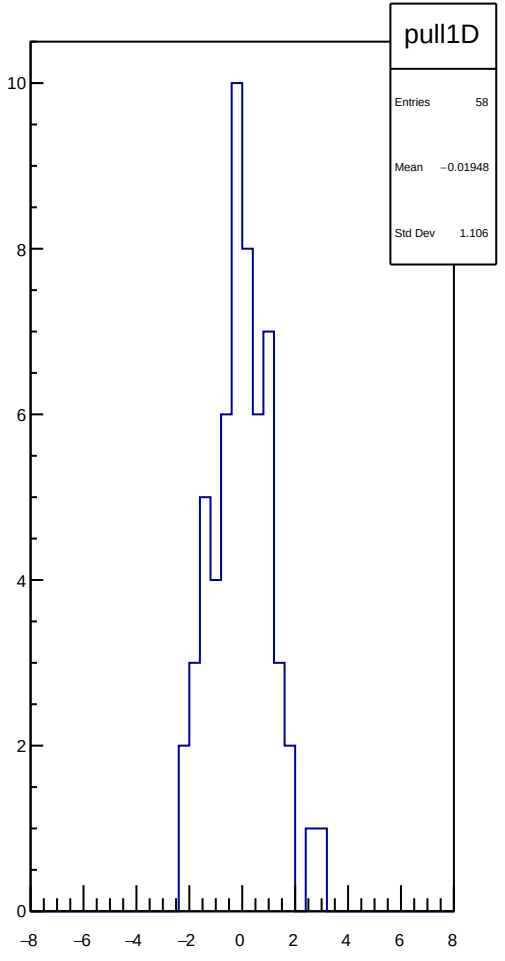

asym_sam_15_dd_rms vs run
χ² / ndf 8884 / 57
p0 599 ± 0.5748
800
750
700
650
600
550

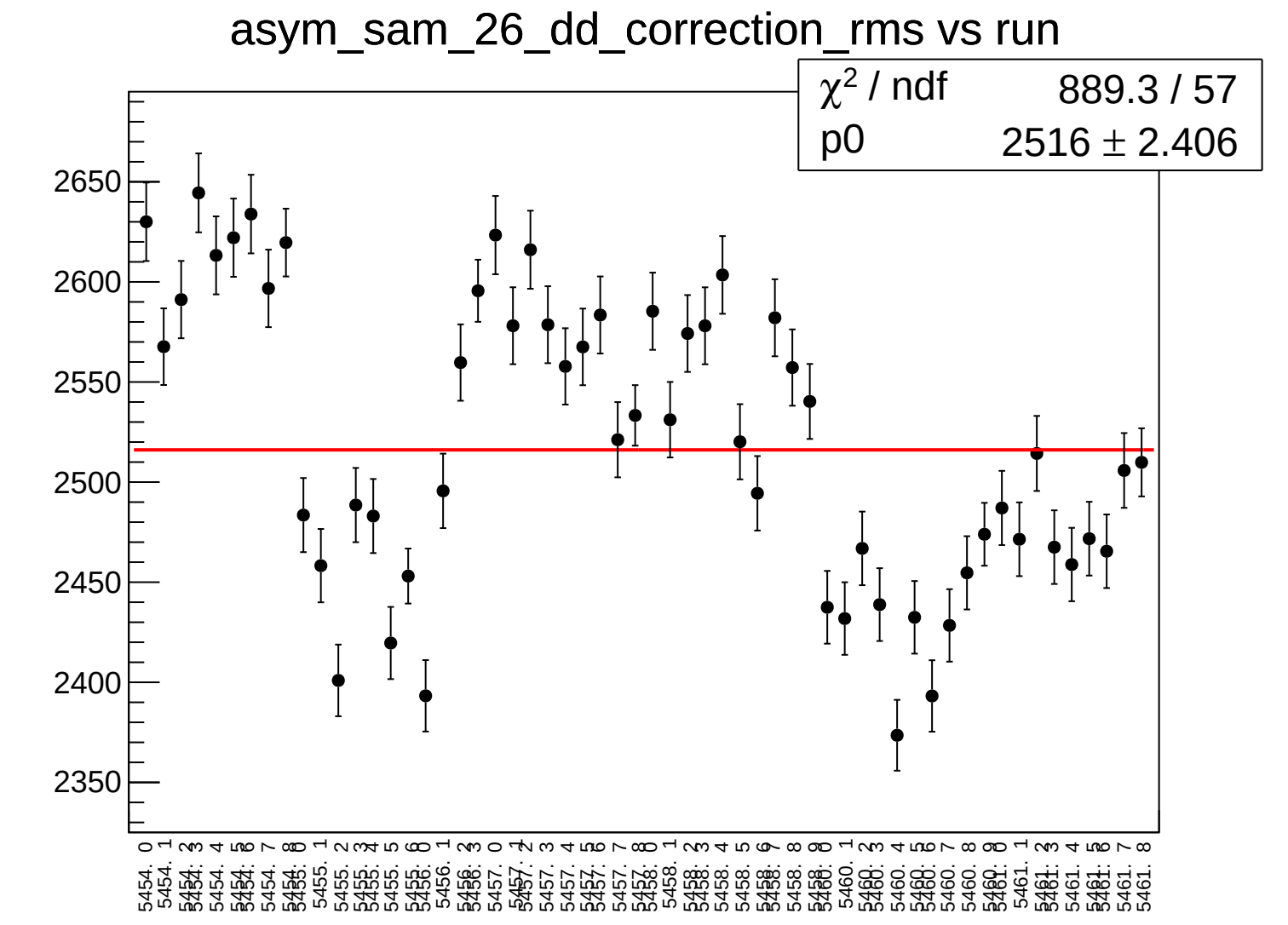

dit_asym_sam_26_dd_mean vs run
χ² / ndf 64.57 / 57
p0 −282 ± 381
pull
Entries 58
Mean 109.8
Std Dev 77.21

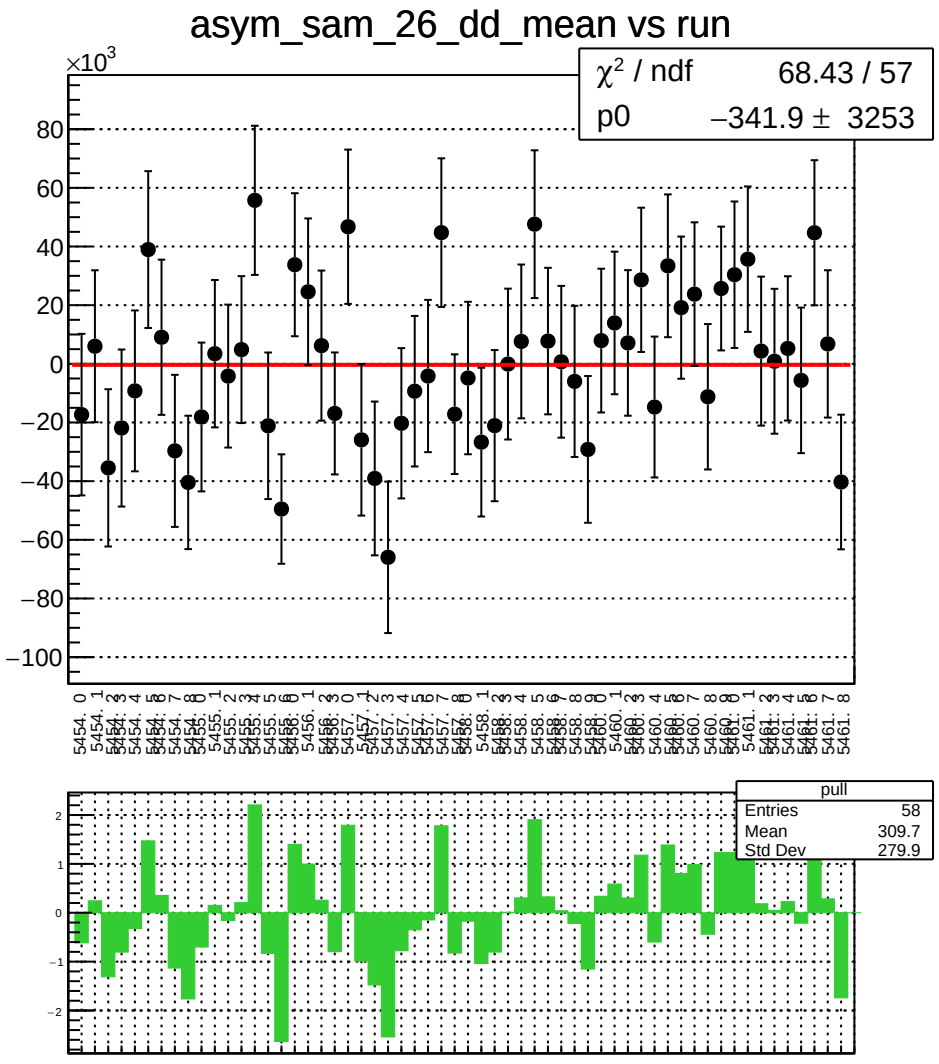

pull1D
Entries 58
Mean −0.03193
Std Dev 1.055

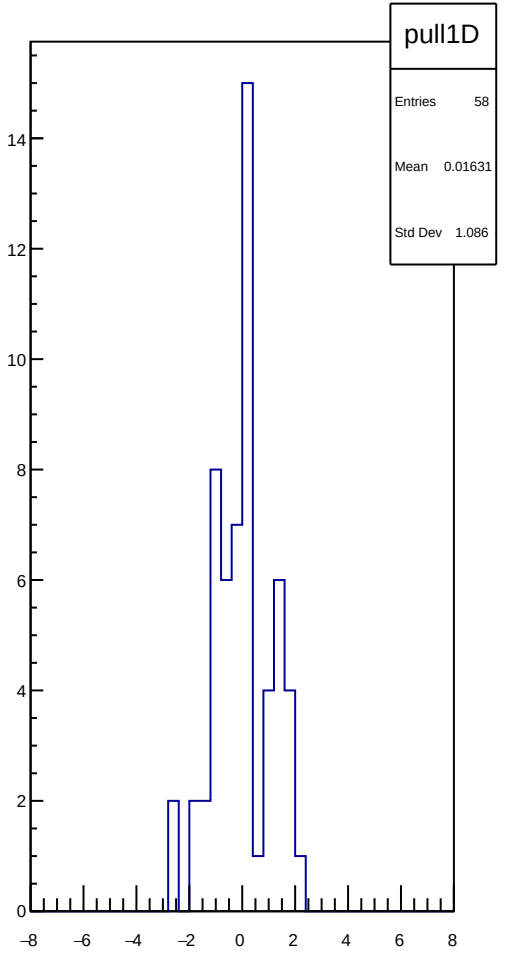

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1128 / 57
p0 281.7 ± 0.2694
310
300
290
280
270
260

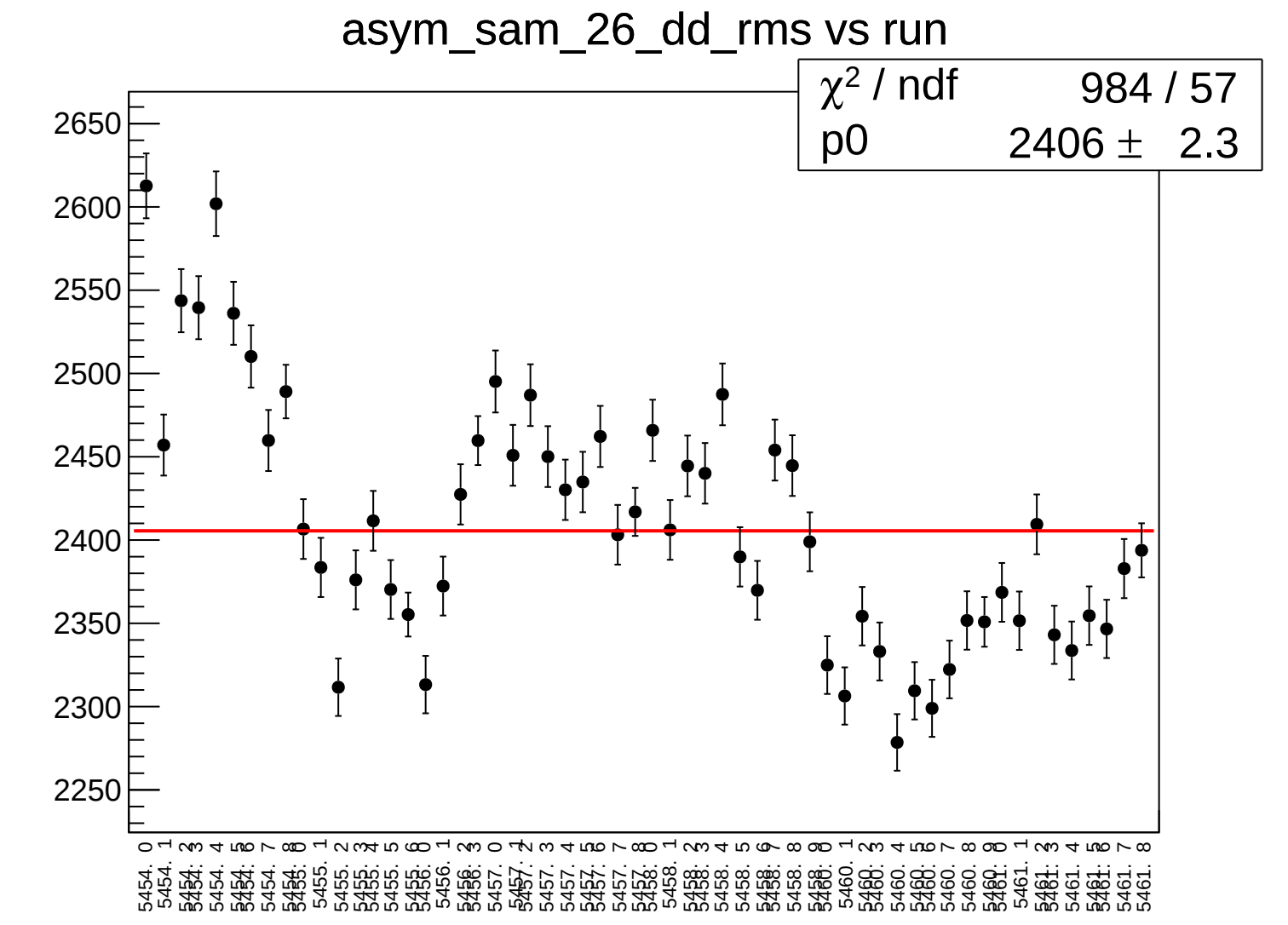

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 71.03 / 57
p0 73.63 ± 3402
100
50
0
−50
−100
pull
Entries 58
Mean 268.7
Std Dev 238.8
3
2
1
0
−1
−2

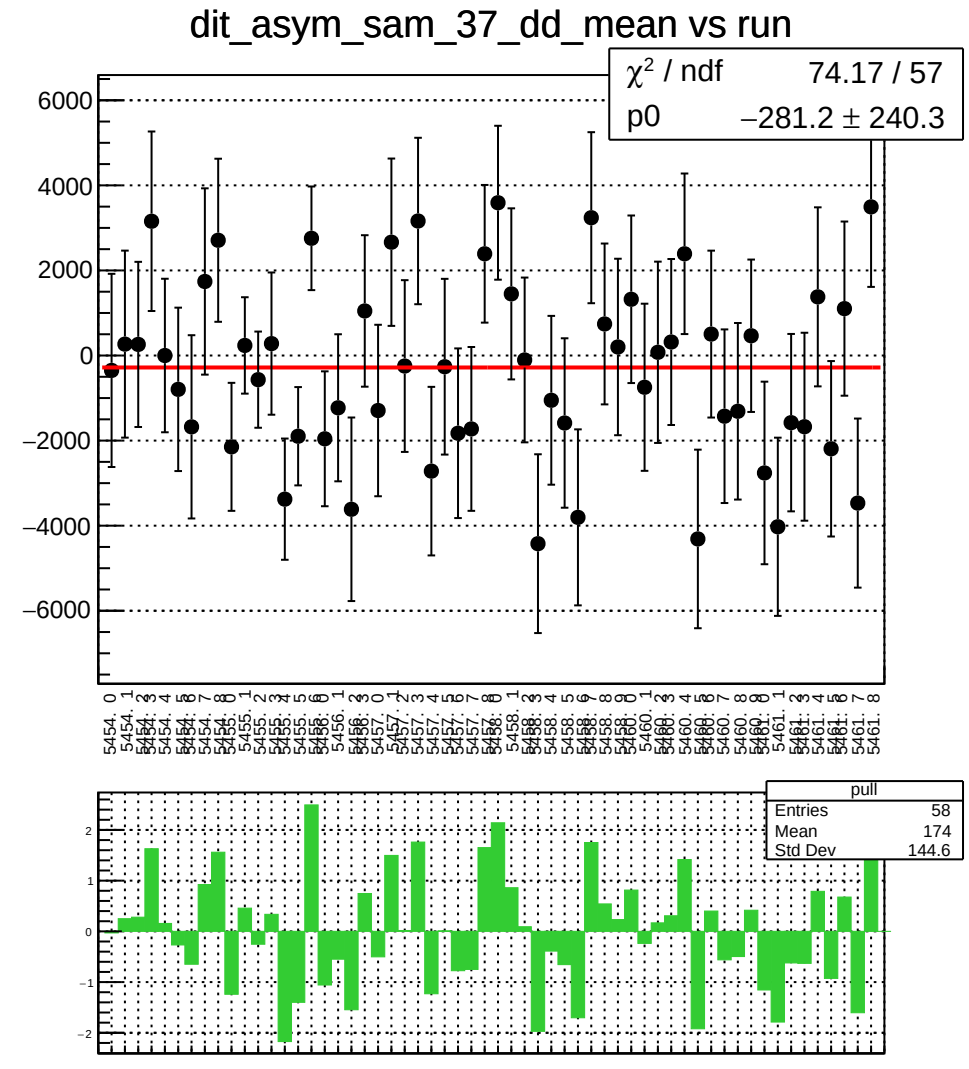

pull1D
Entries 58
Mean −0.01948
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

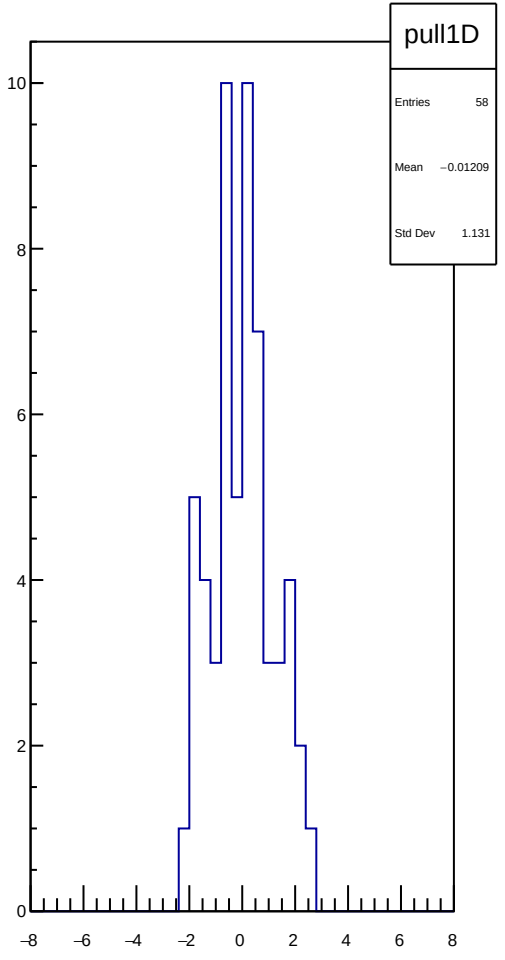

asym_sam_26_dd_correction_rms vs run
χ² / ndf 889.3 / 57
p0 2516 ± 2.406
2650
2600
2550
2500
2450
2400
2350

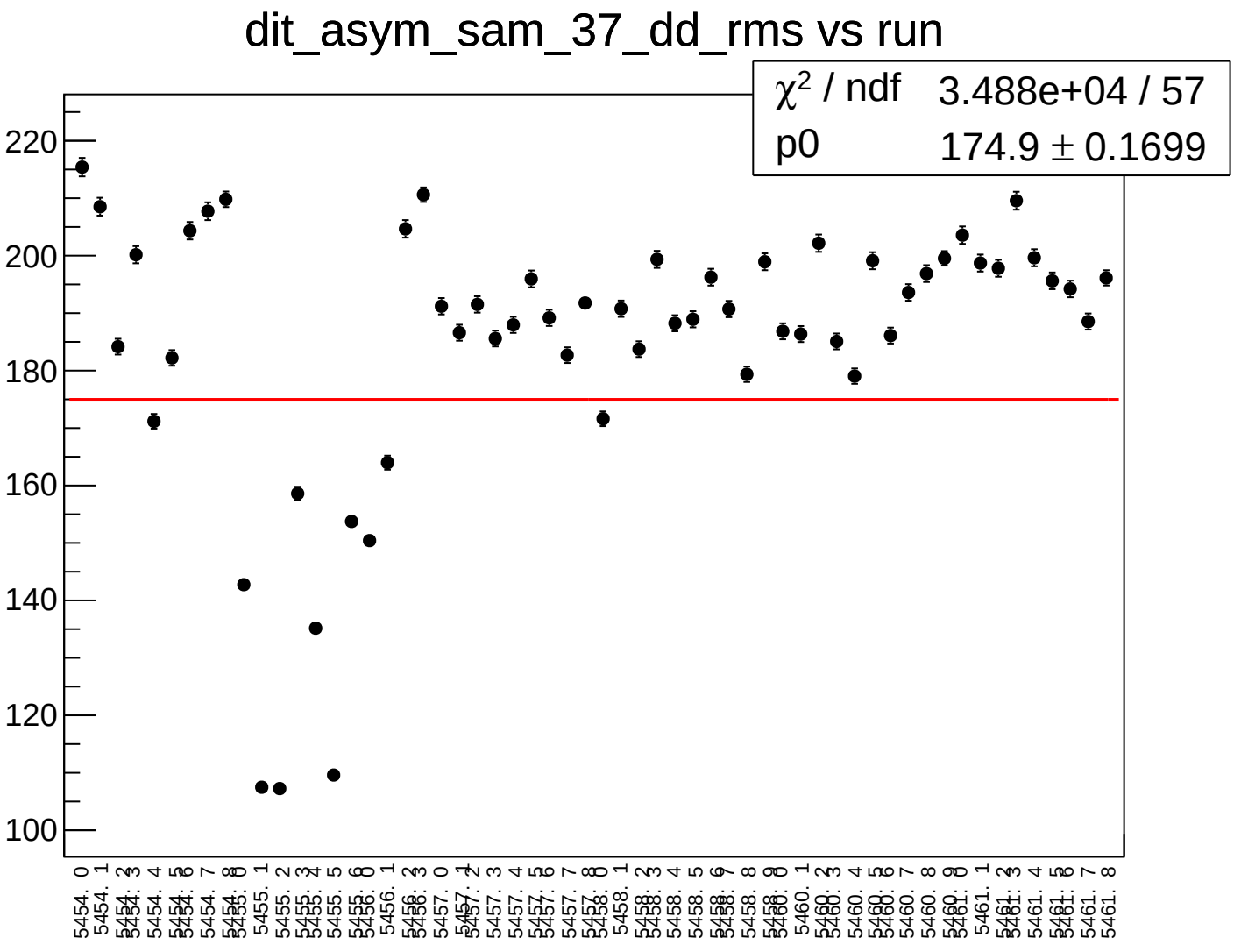

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 68.43 / 57
p0 −341.9 ± 3253
pull
Entries 58
Mean 309.7
Std Dev 279.9

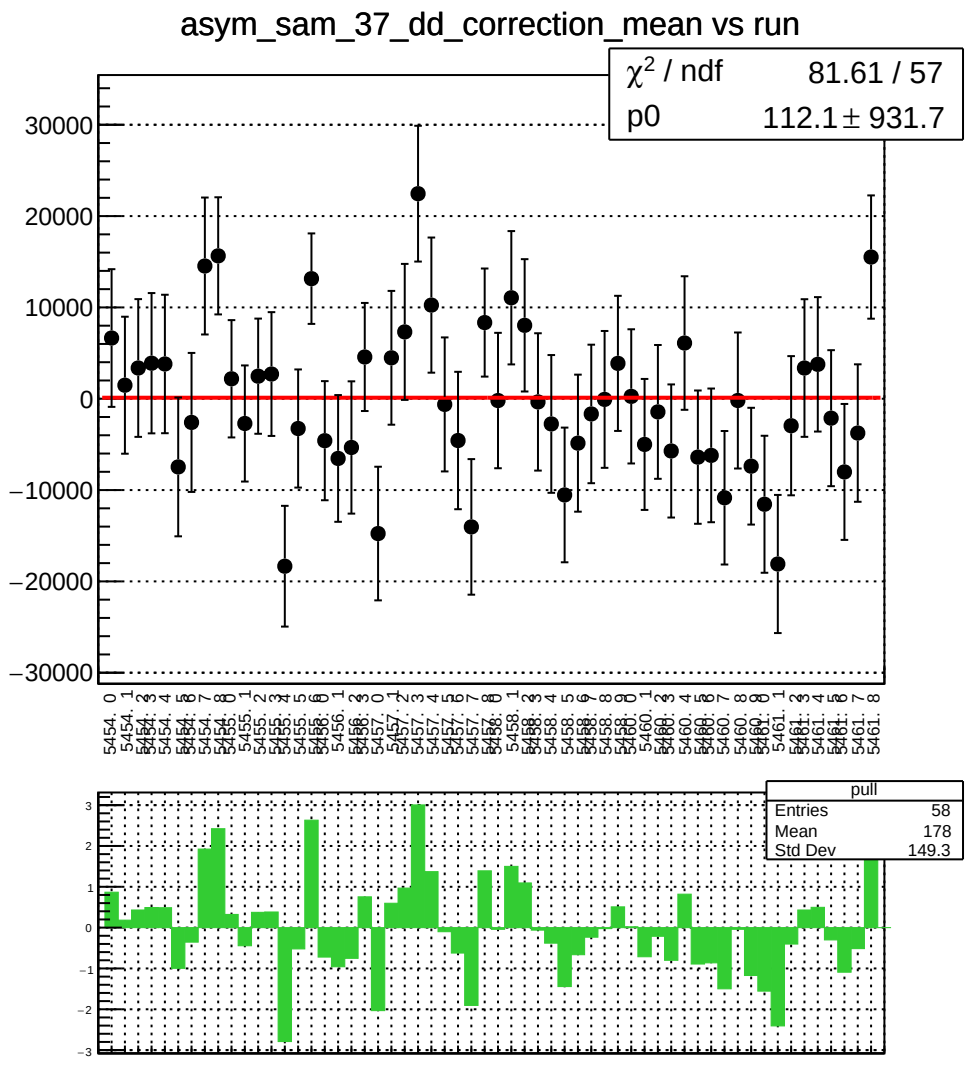

pull1D
Entries 58
Mean 0.01631
Std Dev 1.086

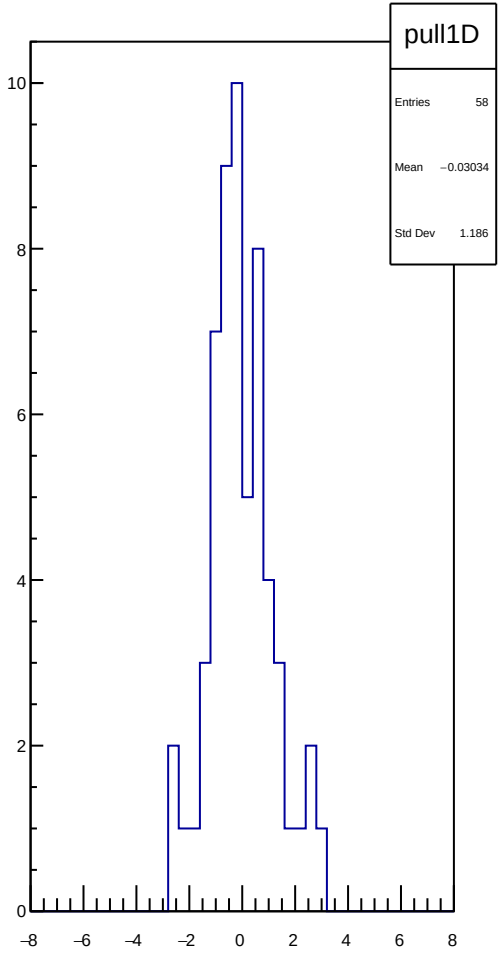

asym_sam_26_dd_rms vs run
χ² / ndf 984 / 57
p0 2406 ± 2.3
2650
2600
2550
2500
2450
2400
2350
2300
2250
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

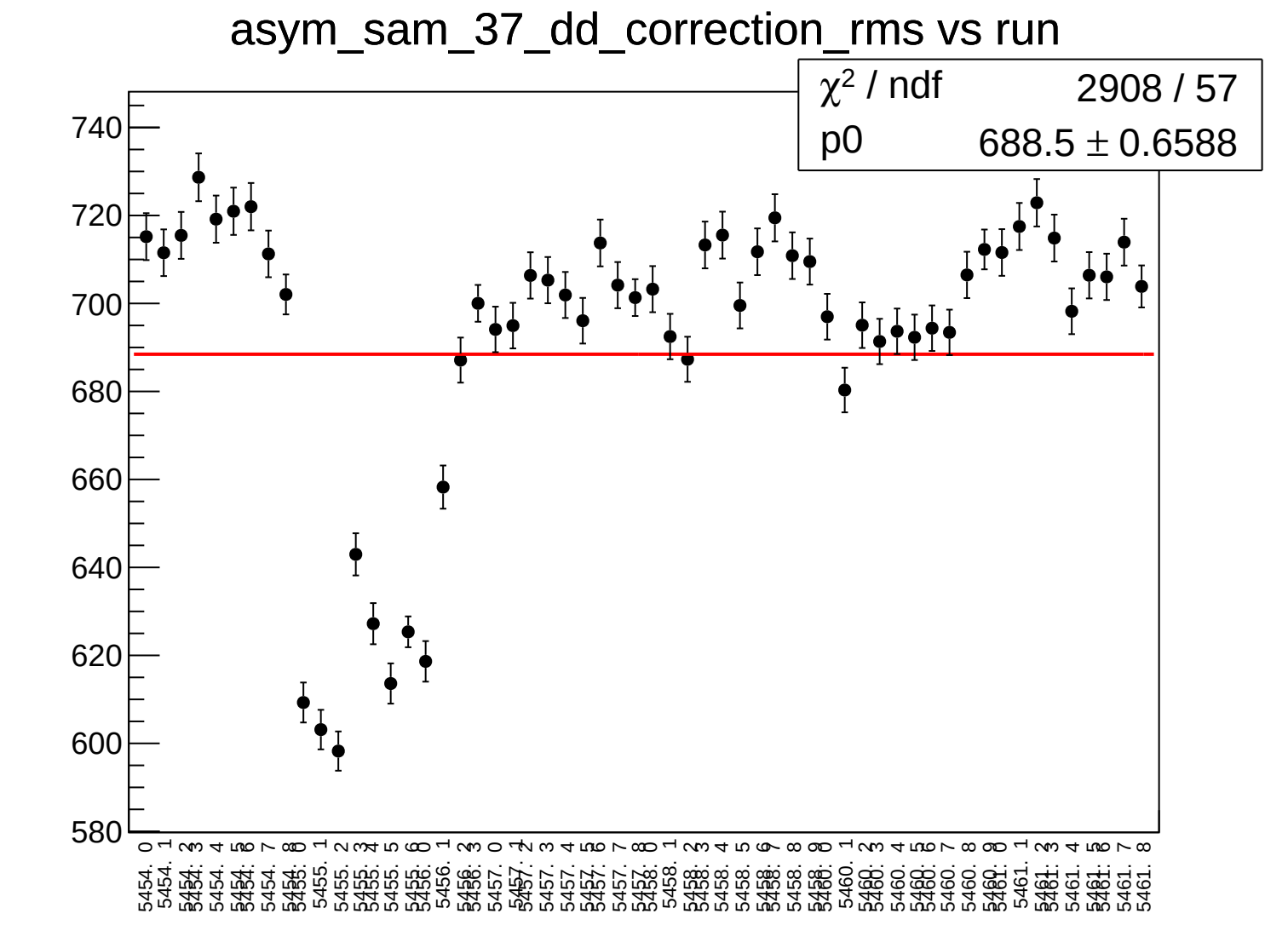

dit_asym_sam_37_dd_mean vs run
χ² / ndf 74.17 / 57
p0 −281.2 ± 240.3
pull
Entries 58
Mean 174
Std Dev 144.6

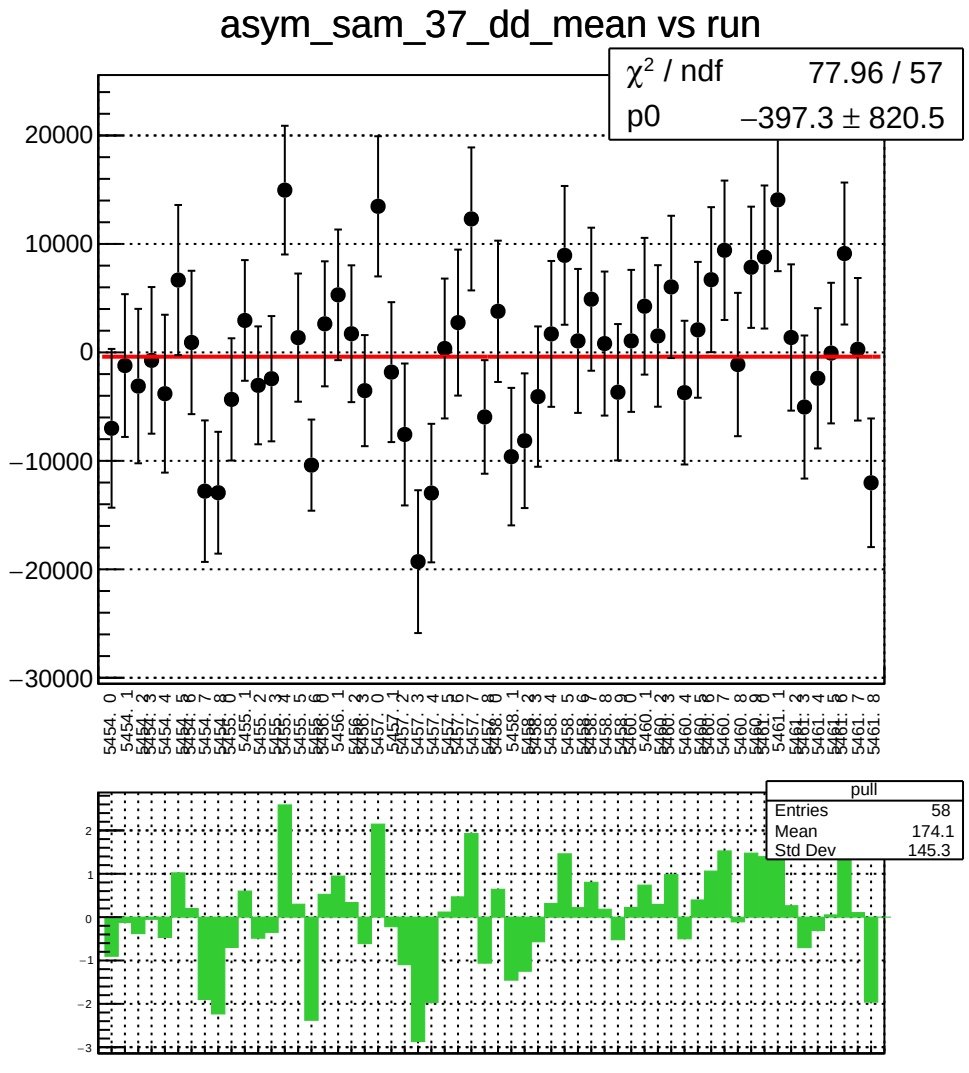

pull1D
Entries 58
Mean −0.01209
Std Dev 1.131

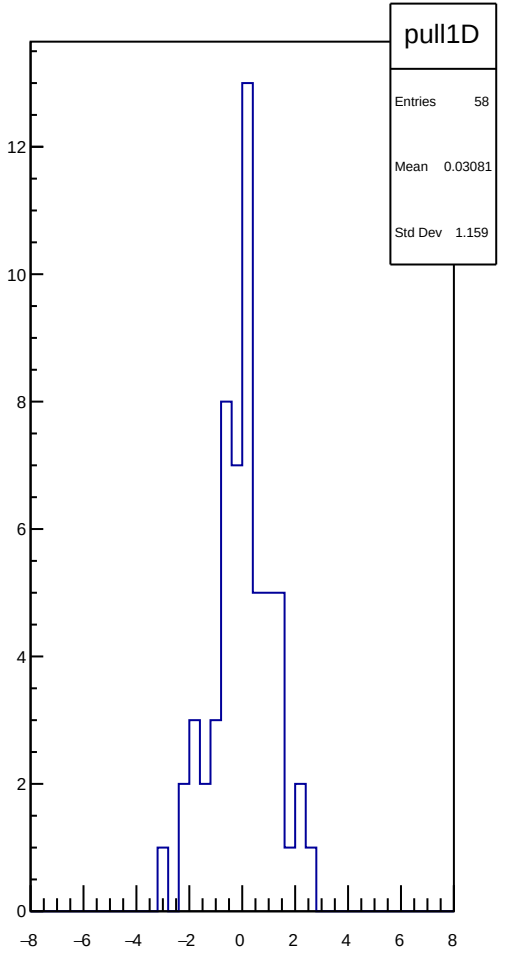

dit_asym_sam_37_dd_rms vs run
χ² / ndf 3.488e+04 / 57
p0 174.9 ± 0.1699
220
200
180
160
140
120
100

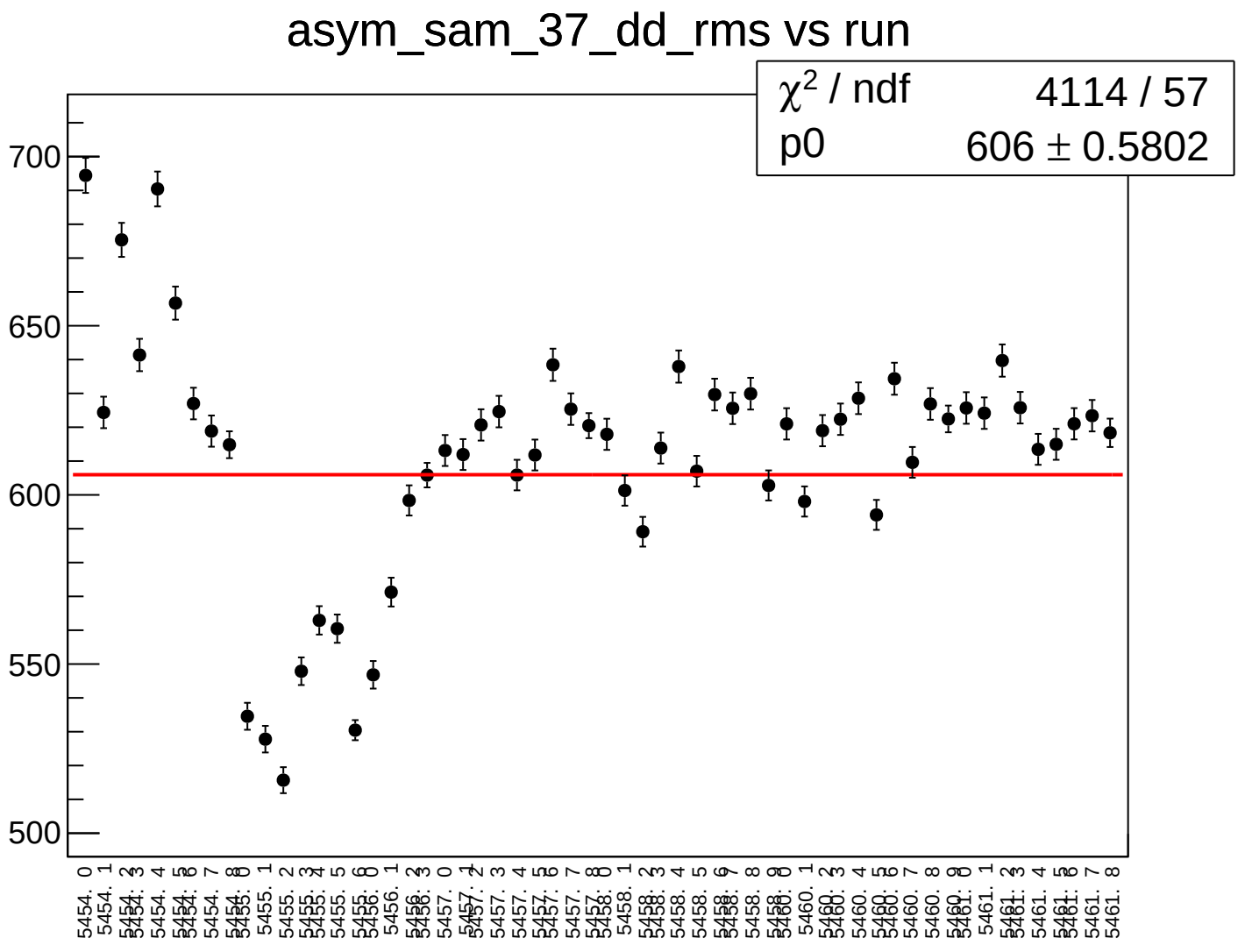

asym_sam_37_dd_correction_mean vs run
χ² / ndf 81.61 / 57
p0 112.1 ± 931.7
pull
Entries 58
Mean 178
Std Dev 149.3

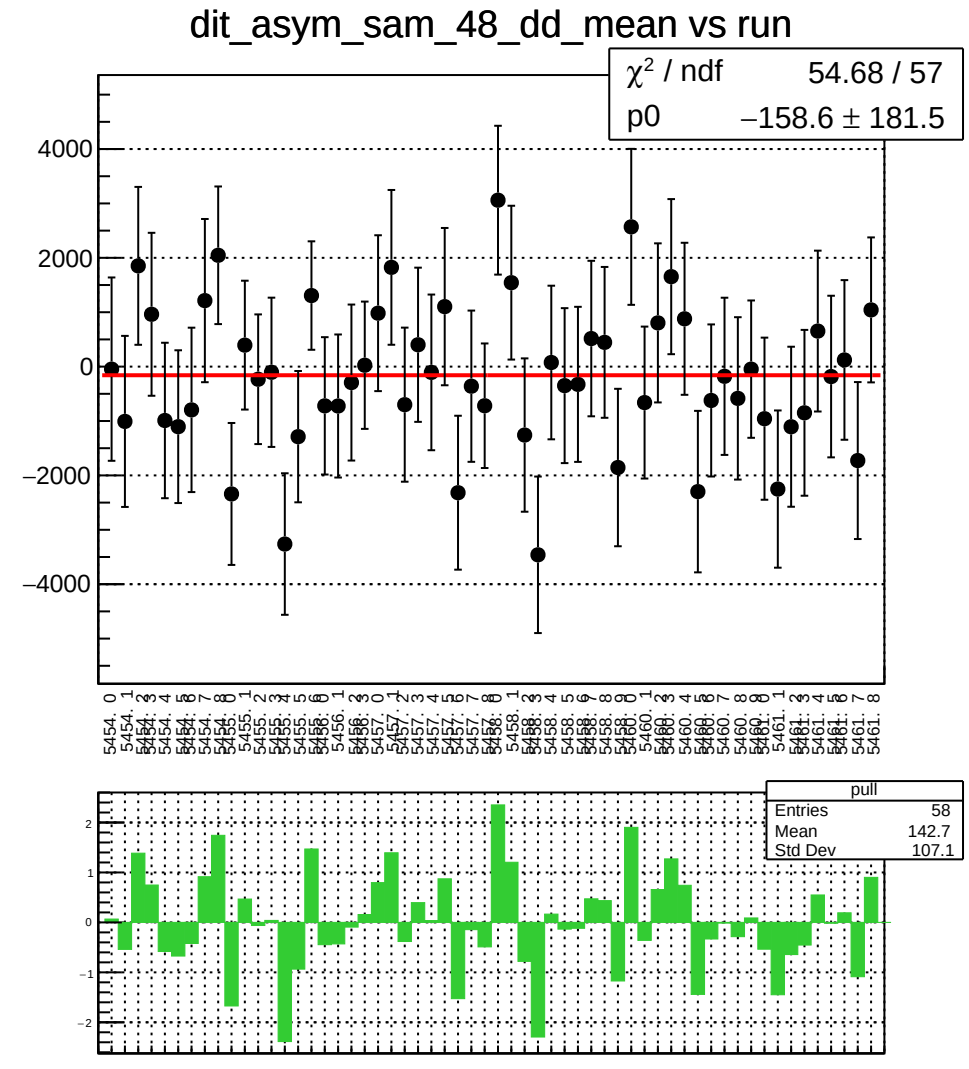

pull1D
Entries 58
Mean −0.03034
Std Dev 1.186

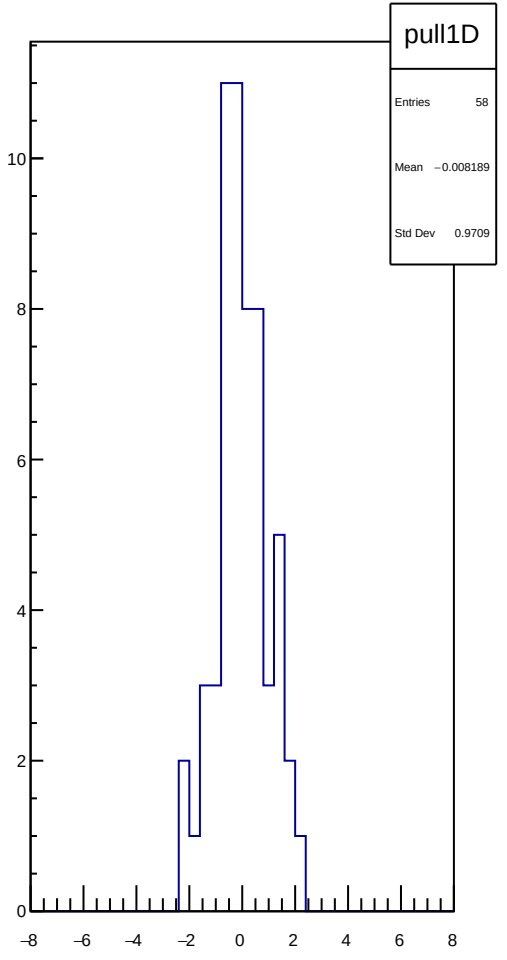

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2908 / 57
p0 688.5 ± 0.6588
740
720
700
680
660
640
620
600
580

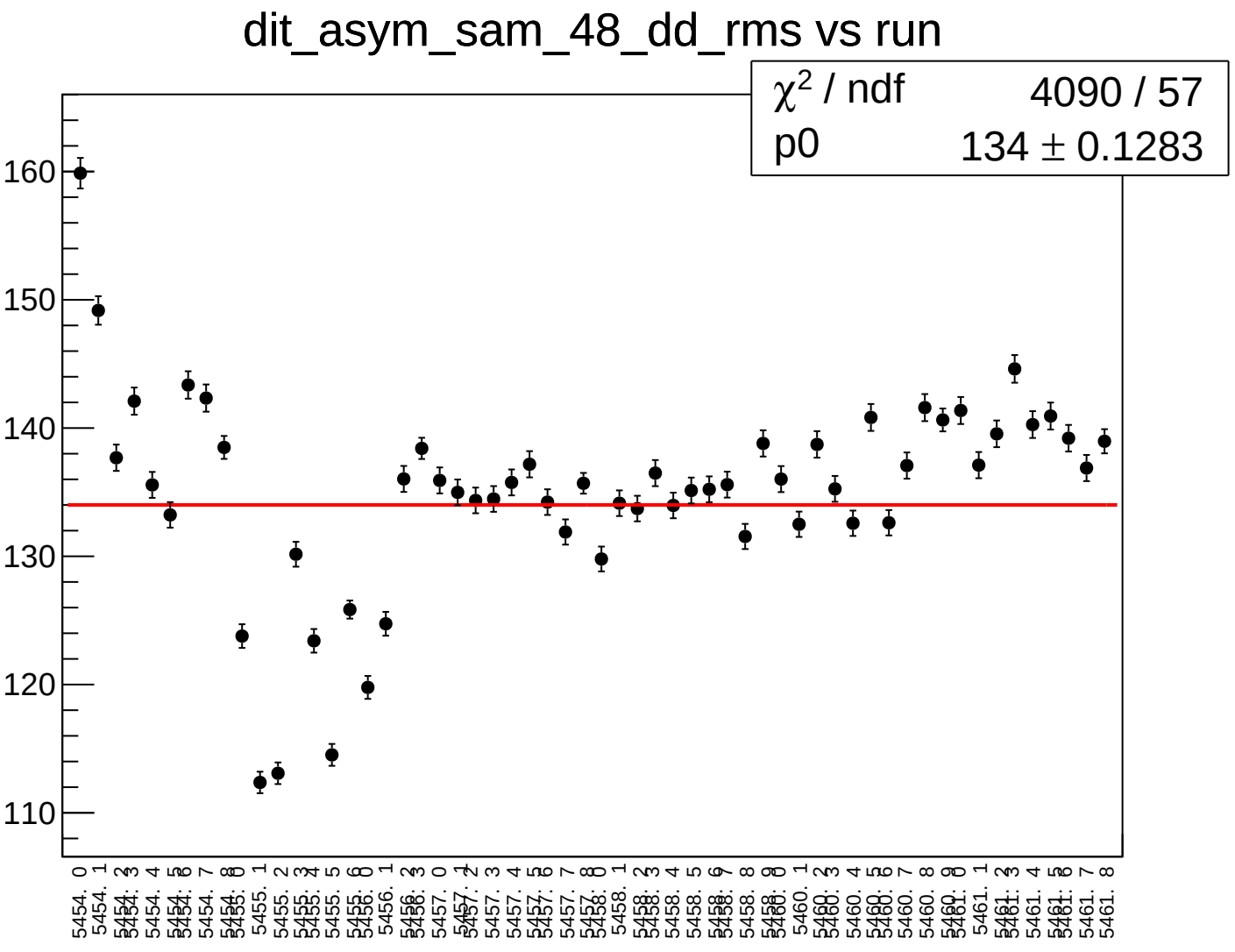

asym_sam_37_dd_mean vs run
χ² / ndf 77.96 / 57
p0 −397.3 ± 820.5
pull
Entries 58
Mean 174.1
Std Dev 145.3

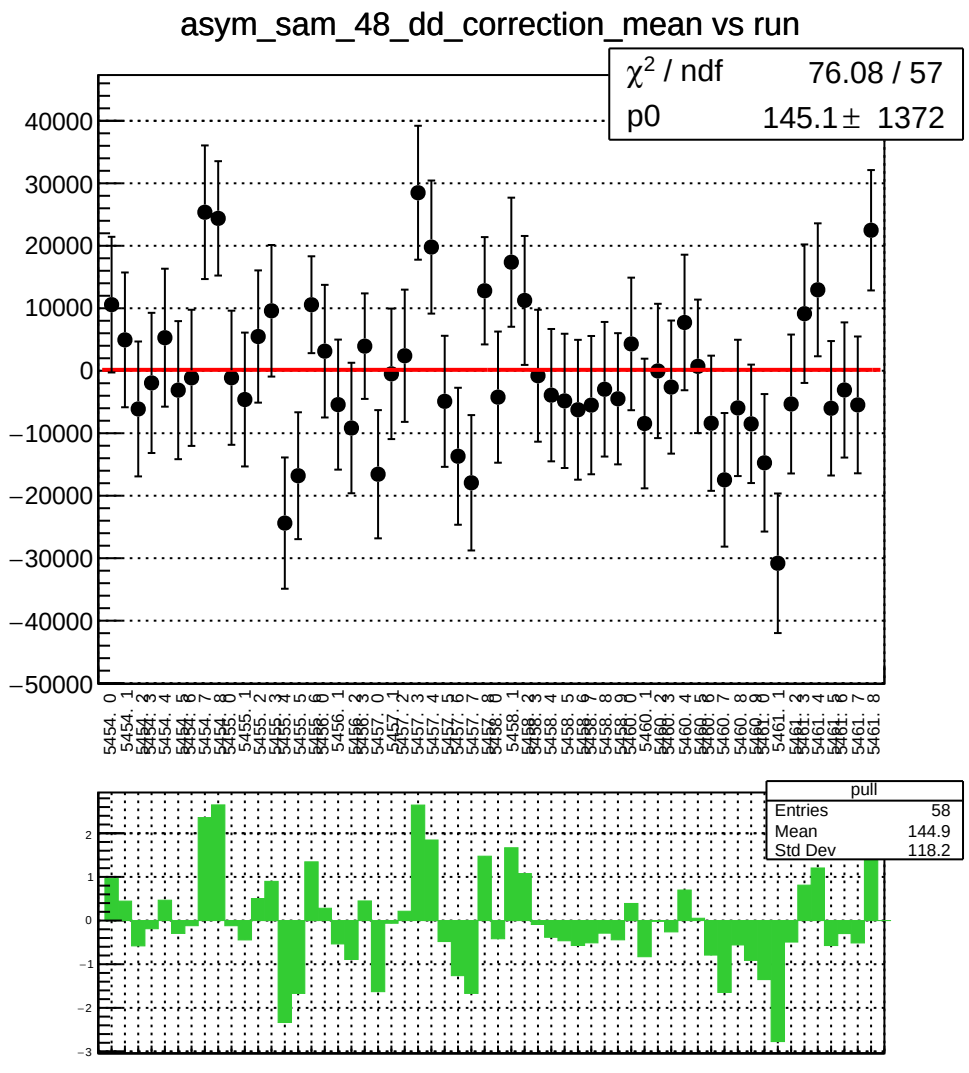

pull1D
Entries 58
Mean 0.03081
Std Dev 1.159

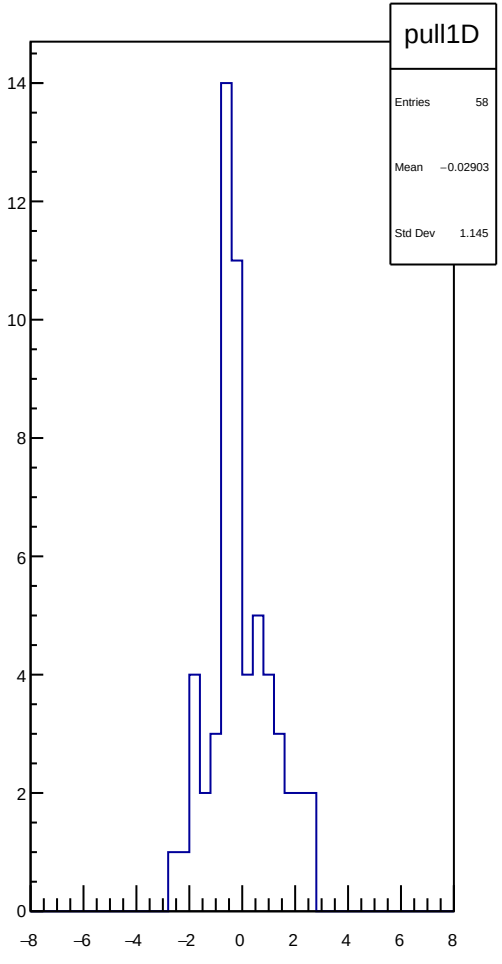

asym_sam_37_dd_rms vs run
χ² / ndf 4114 / 57
p0 606 ± 0.5802
700
650
600
550
500

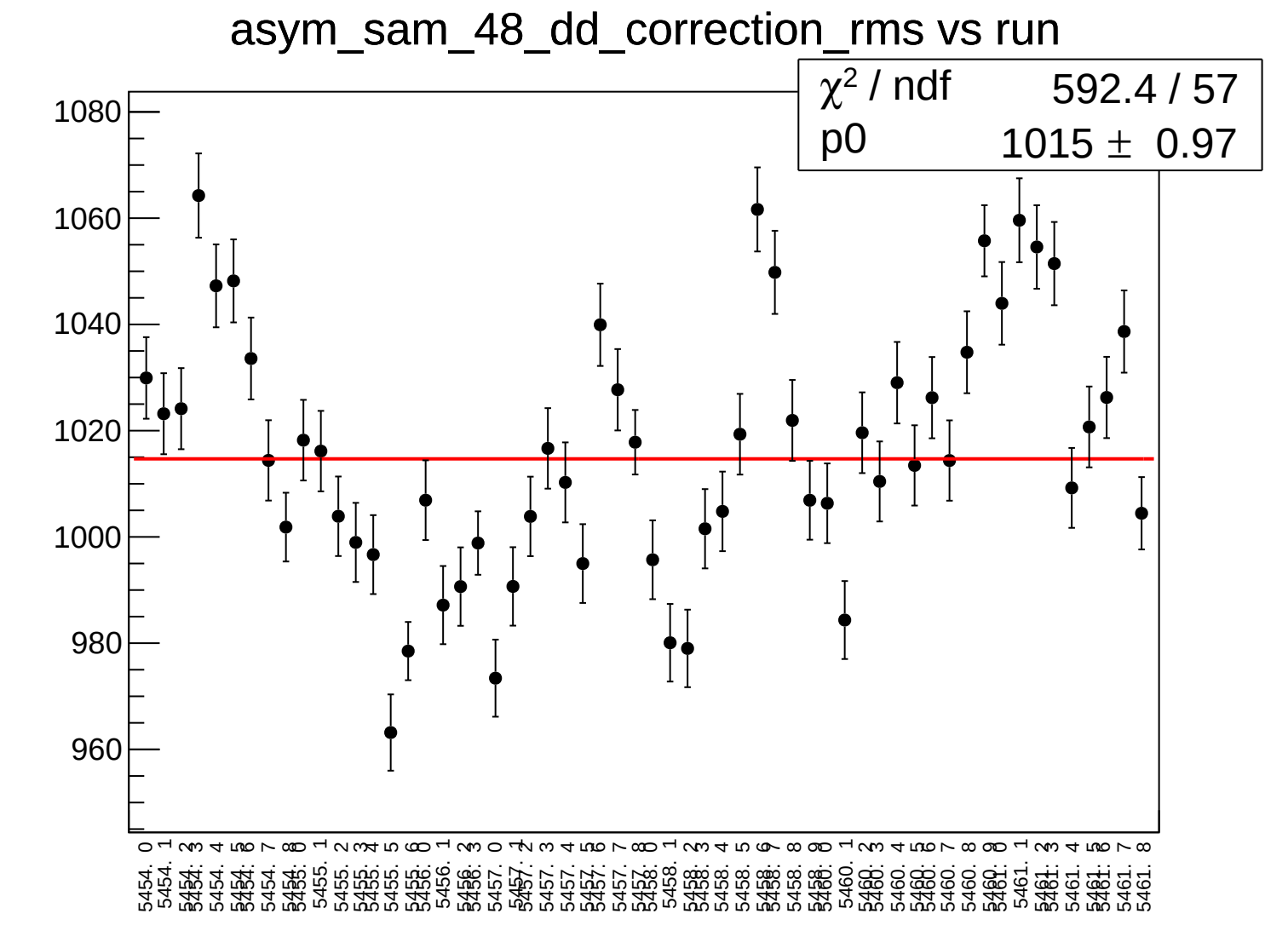

dit_asym_sam_48_dd_mean vs run
χ² / ndf 54.68 / 57
p0 −158.6 ± 181.5
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 142.7
Std Dev 107.1
2
1
0
−1
−2

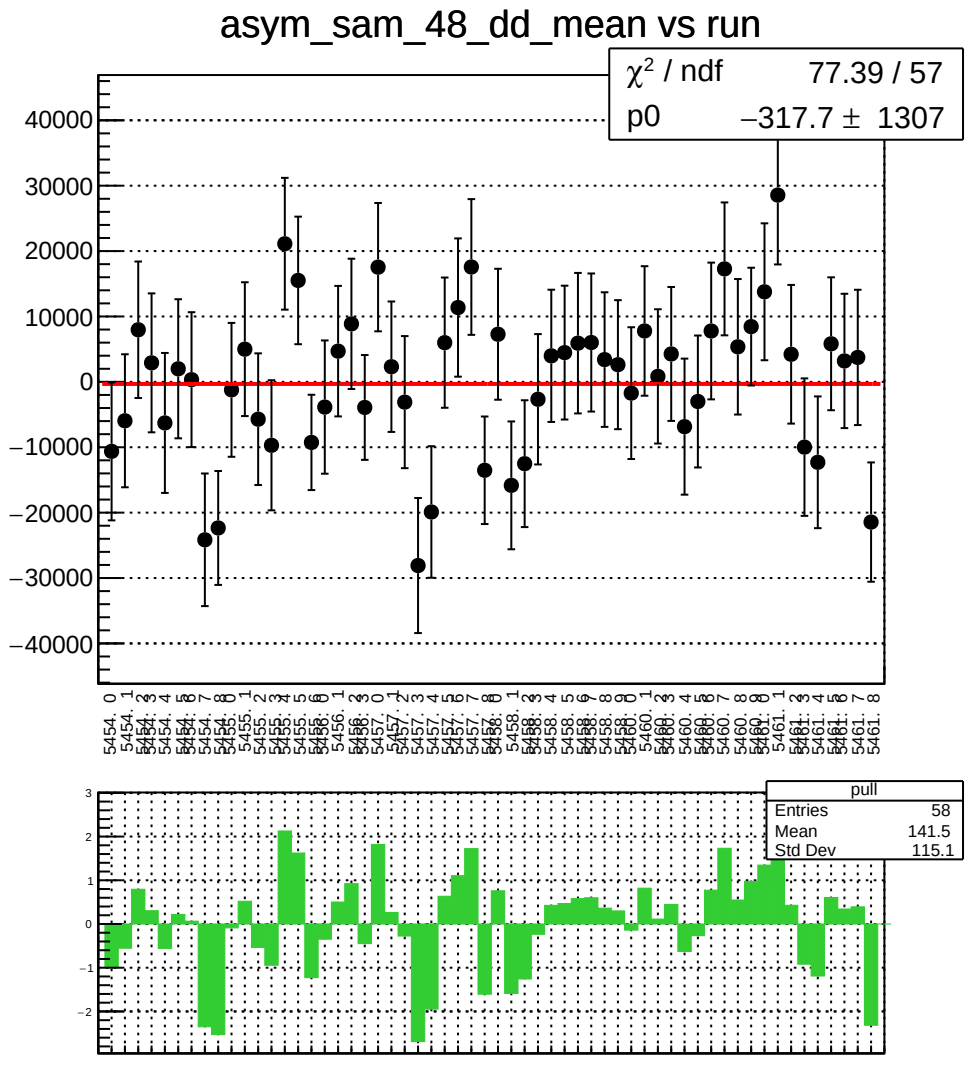

pull1D
Entries 58
Mean −0.008189
Std Dev 0.9709
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

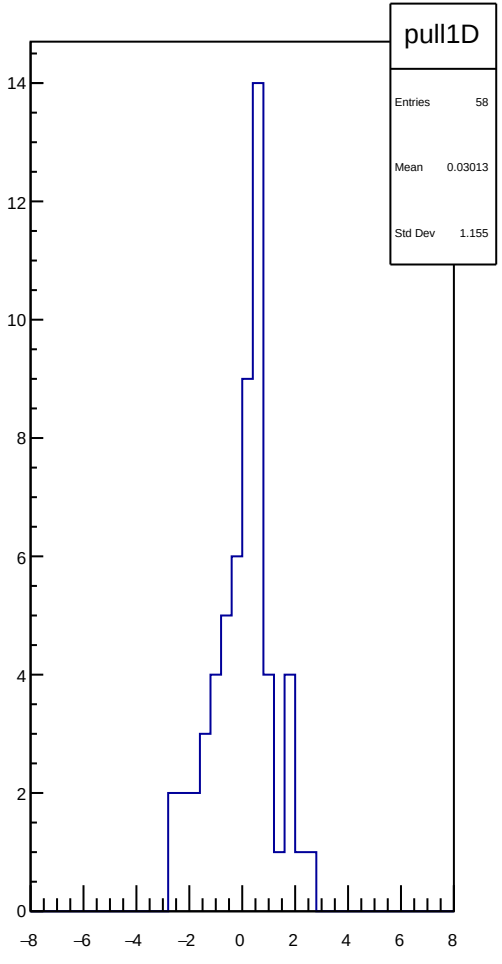

dit_asym_sam_48_dd_rms vs run
χ² / ndf 4090 / 57
p0 134 ± 0.1283
160
150
140
130
120
110

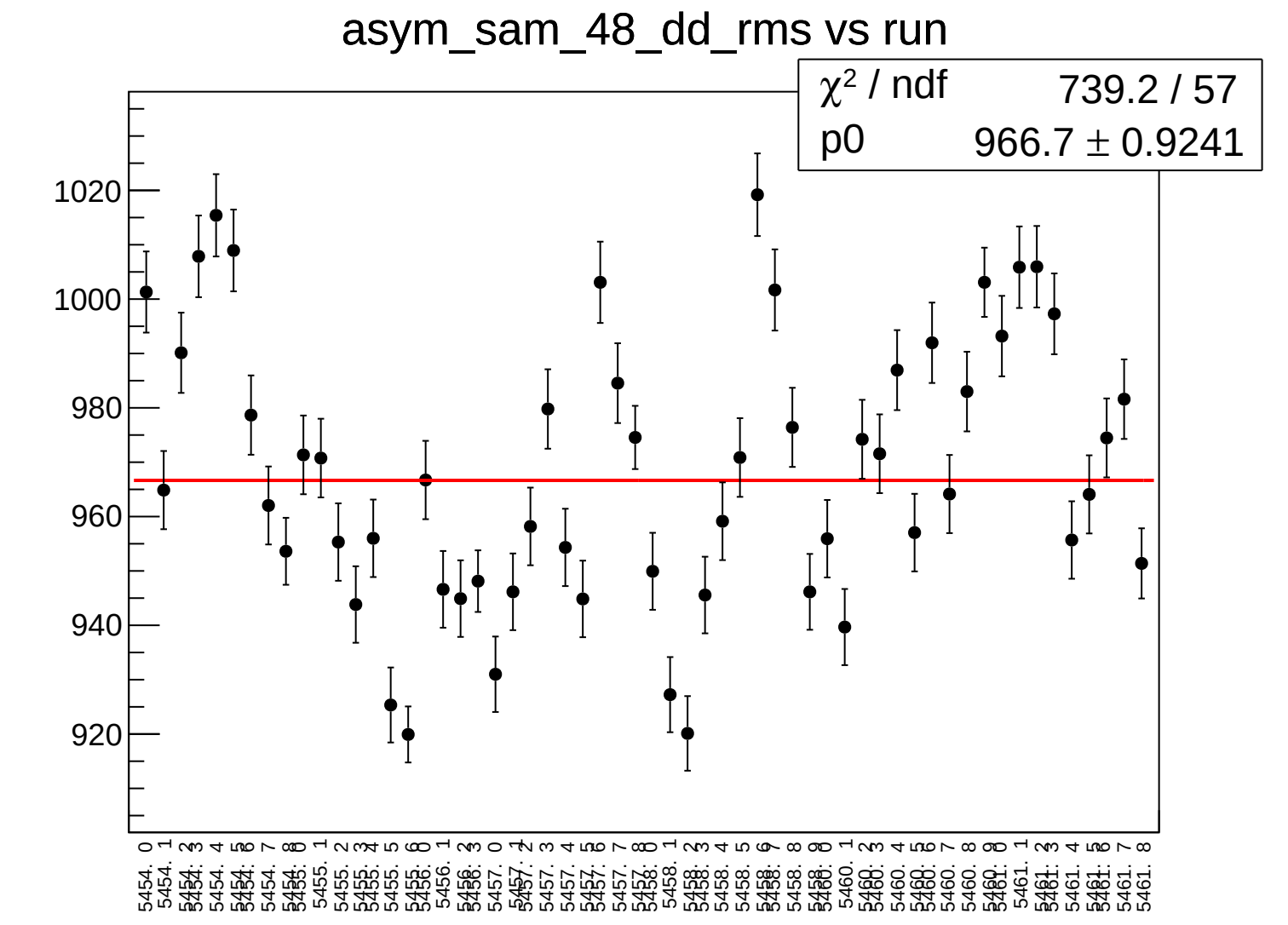

asym_sam_48_dd_correction_mean vs run
χ² / ndf 76.08 / 57
p0 145.1 ± 1372
pull
Entries 58
Mean 144.9
Std Dev 118.2

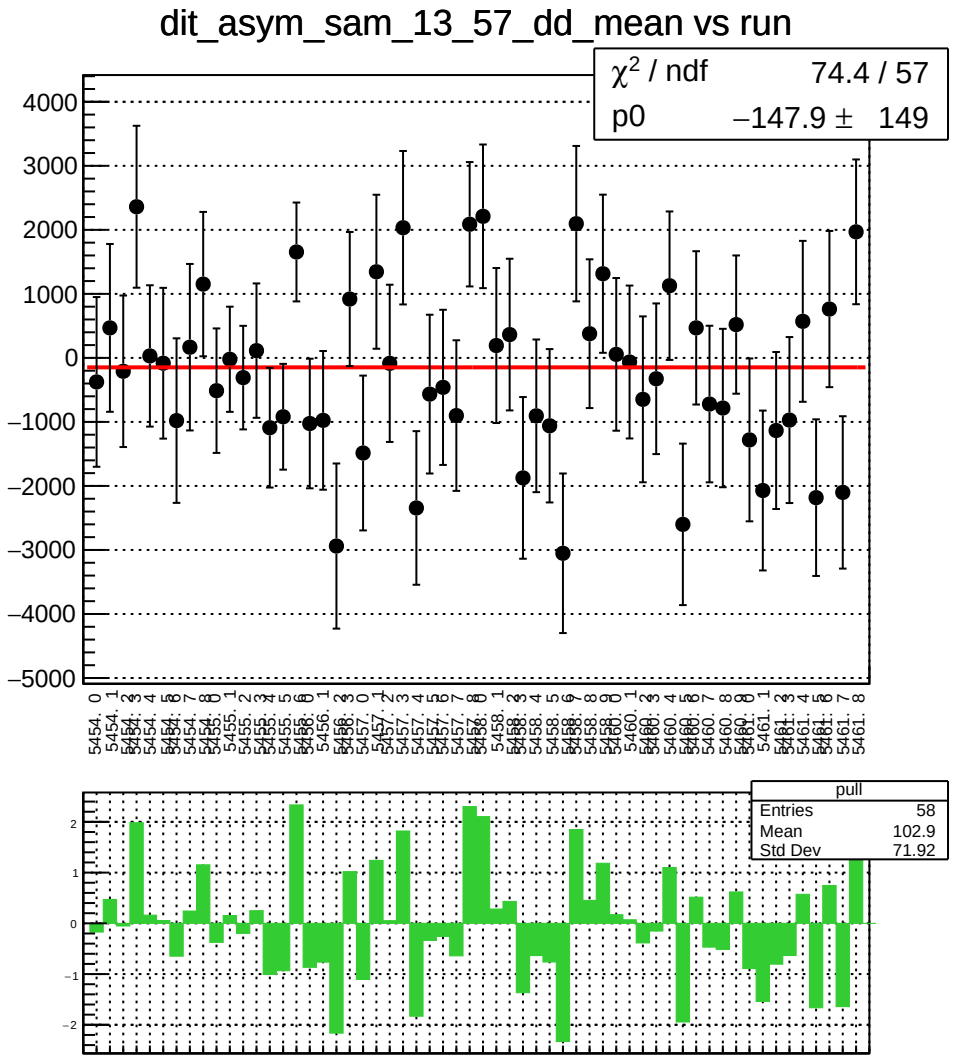

pull1D
Entries 58
Mean −0.02903
Std Dev 1.145

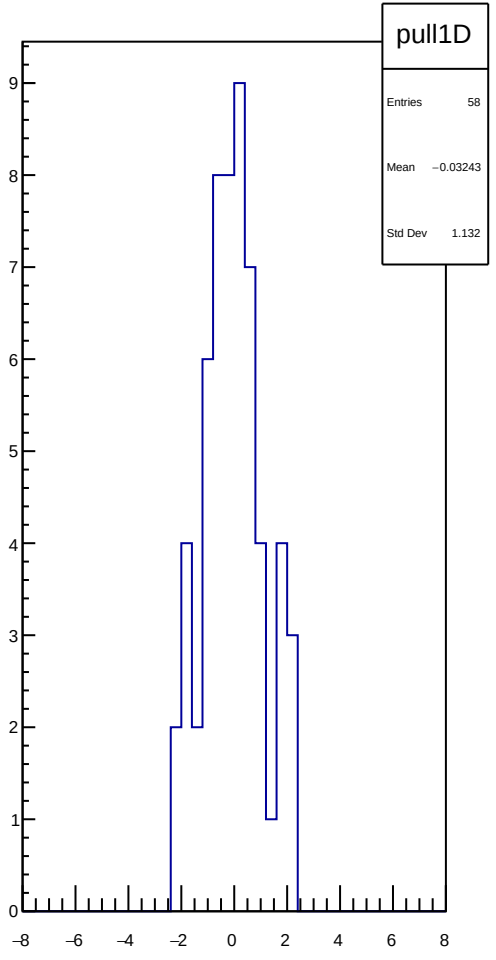

asym_sam_48_dd_correction_rms vs run
χ² / ndf 592.4 / 57
p0 1015 ± 0.97
1080
1060
1040
1020
1000
980
960

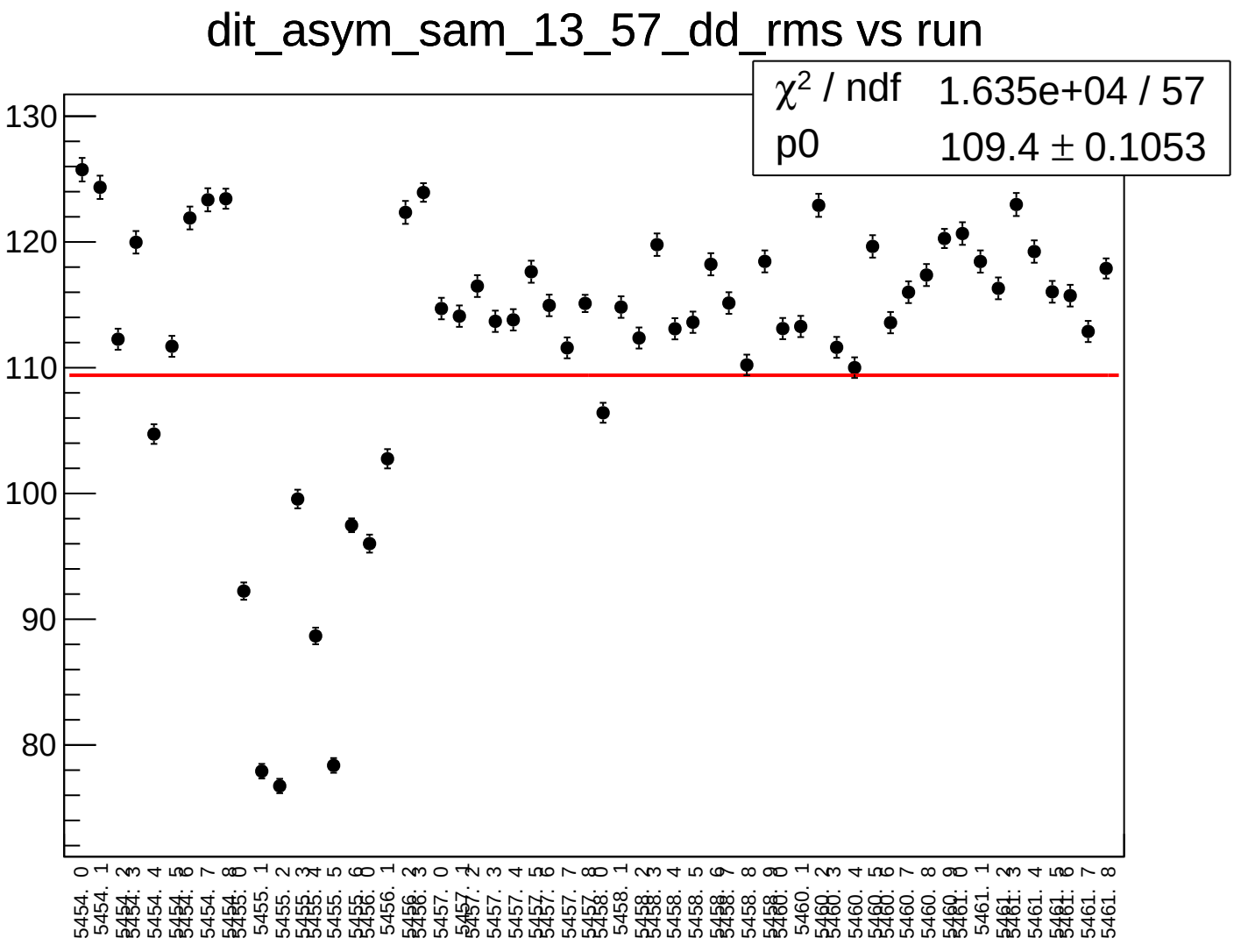

asym_sam_48_dd_mean vs run
χ² / ndf 77.39 / 57
p0 −317.7 ± 1307
pull
Entries 58
Mean 141.5
Std Dev 115.1

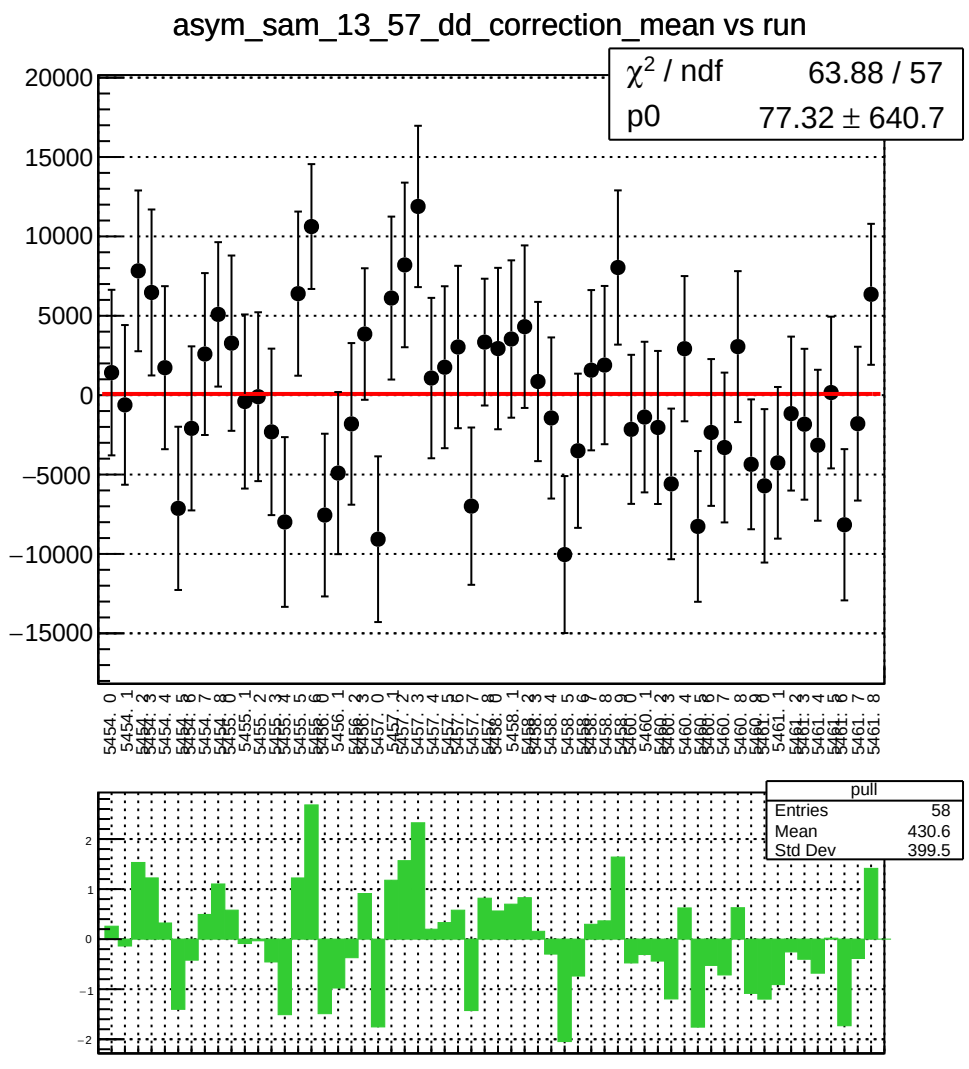

pull1D
Entries 58
Mean 0.03013
Std Dev 1.155

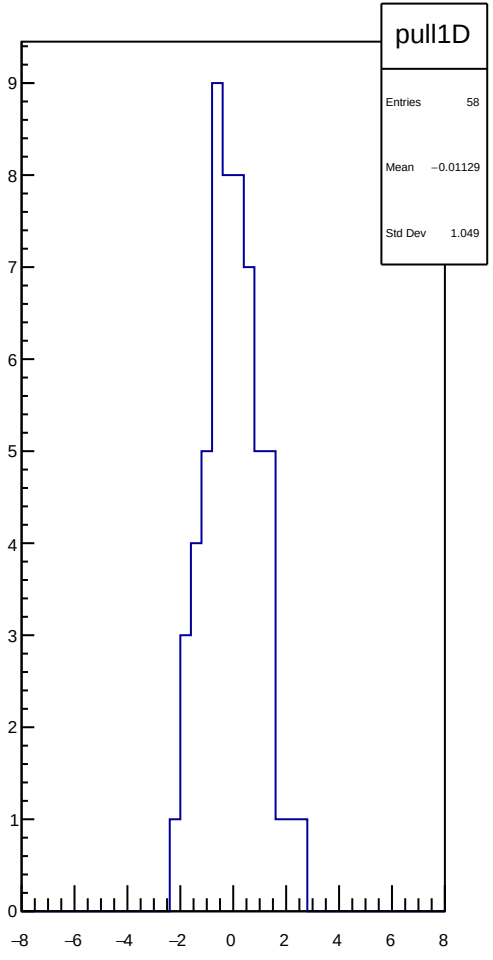

asym_sam_48_dd_rms vs run
χ² / ndf 739.2 / 57
p0 966.7 ± 0.9241
1020
1000
980
960
940
920

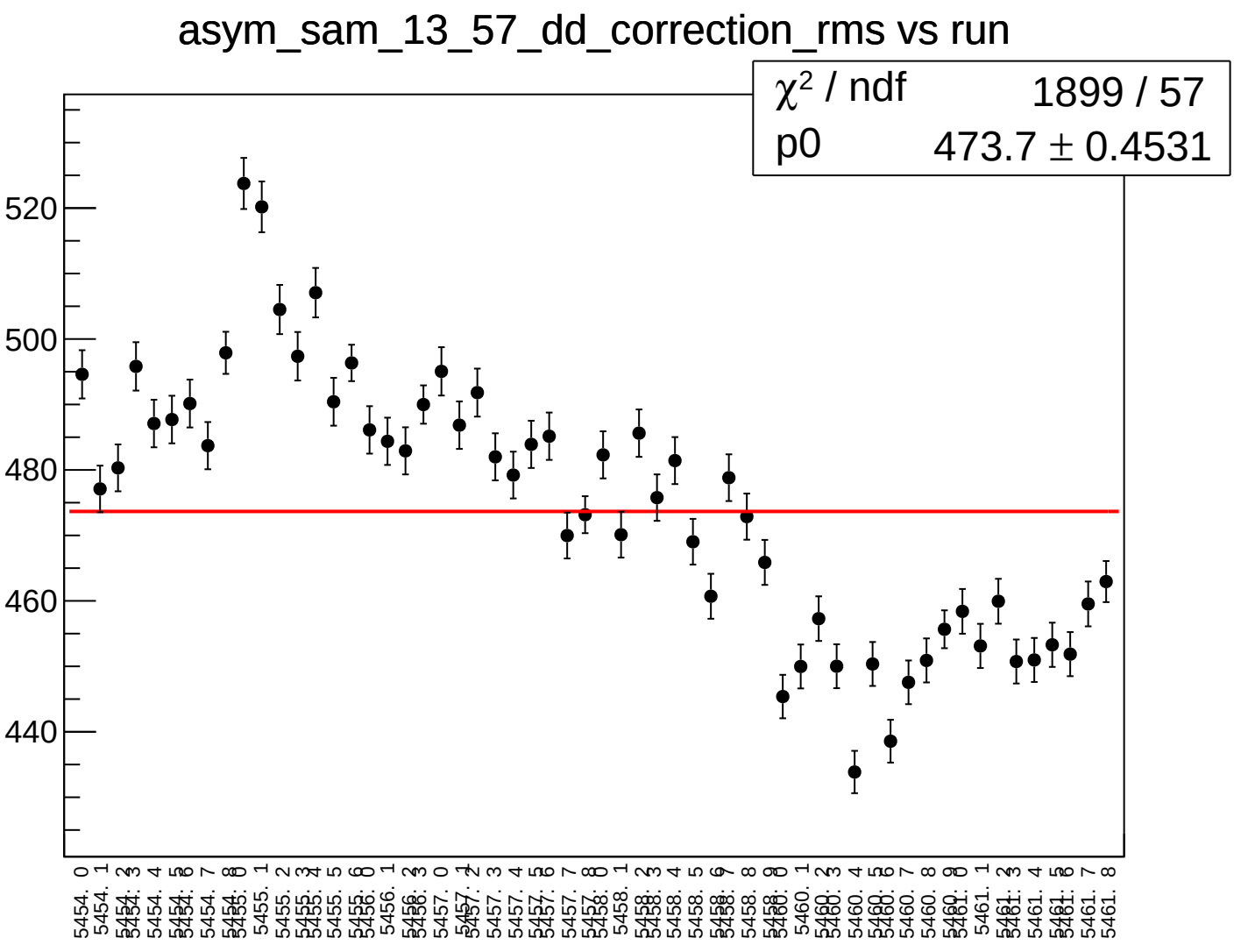

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 74.4 / 57
p0 −147.9 ± 149
pull
Entries 58
Mean 102.9
Std Dev 71.92

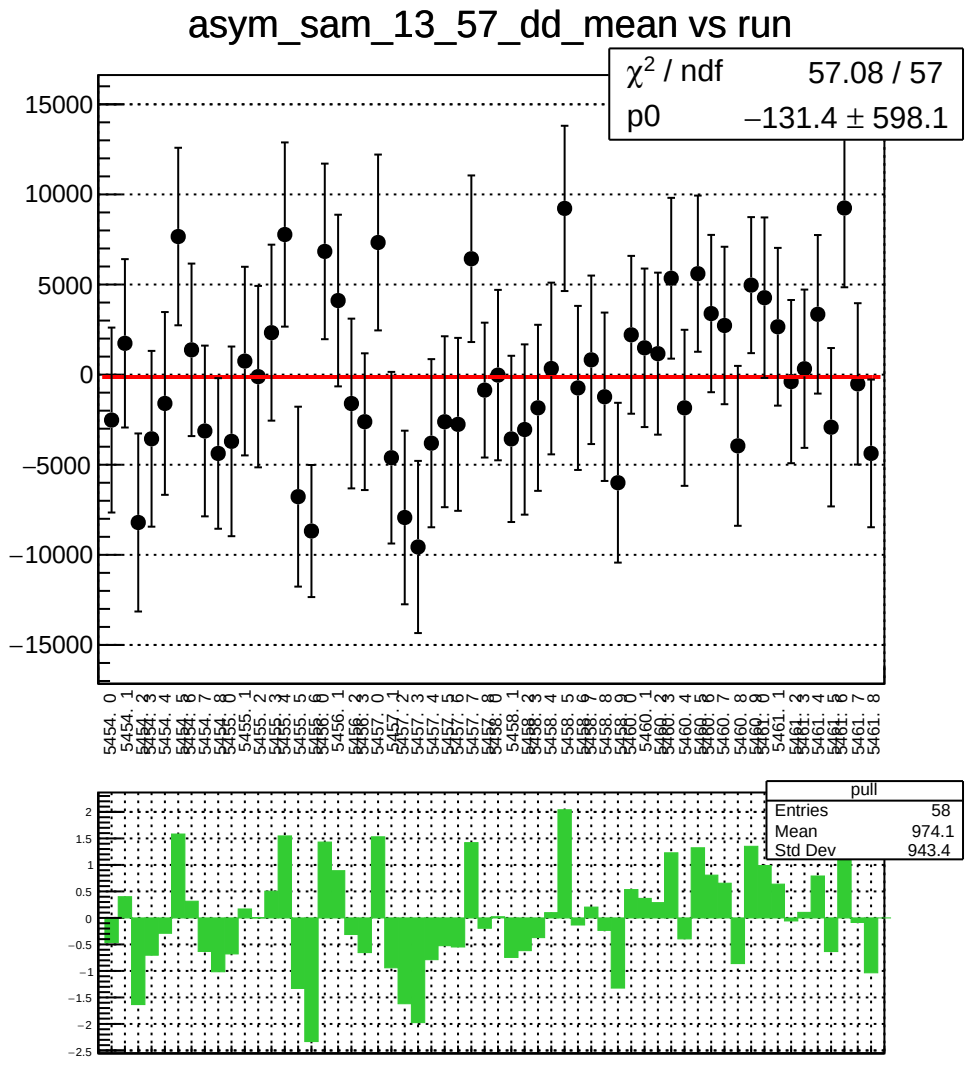

pull1D
Entries 58
Mean −0.03243
Std Dev 1.132

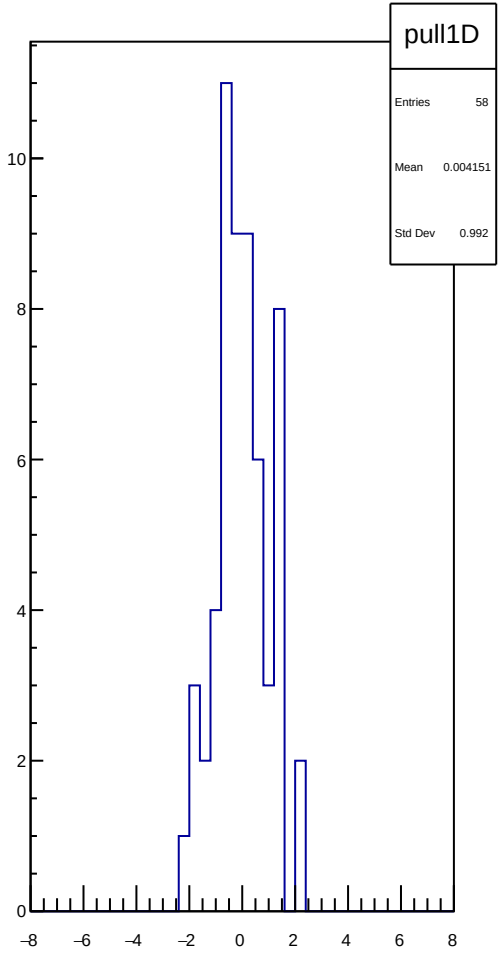

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.635e+04 / 57
p0 109.4 ± 0.1053
130
120
110
100
90
80

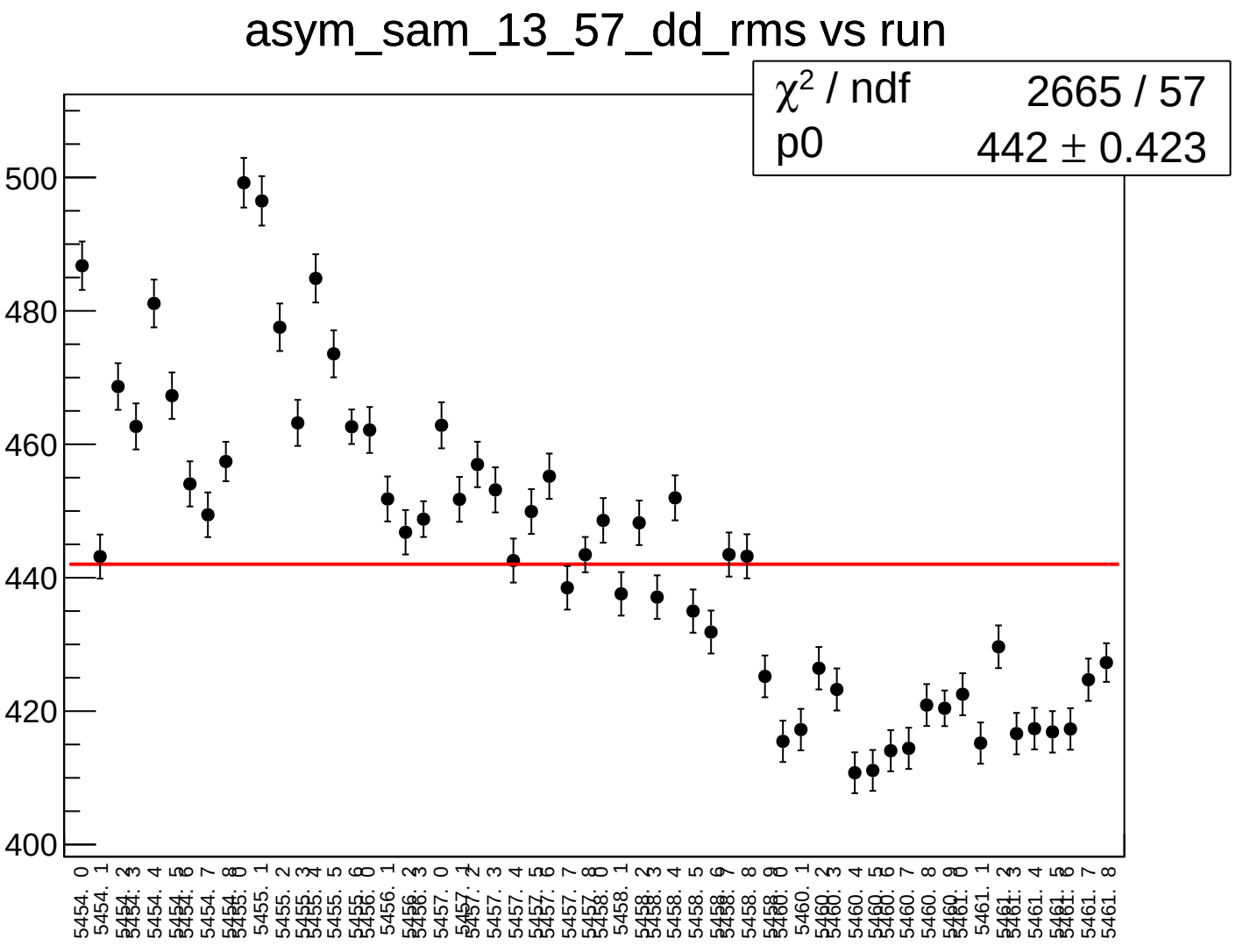

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 63.88 / 57
p0 77.32 ± 640.7
pull
Entries 58
Mean 430.6
Std Dev 399.5

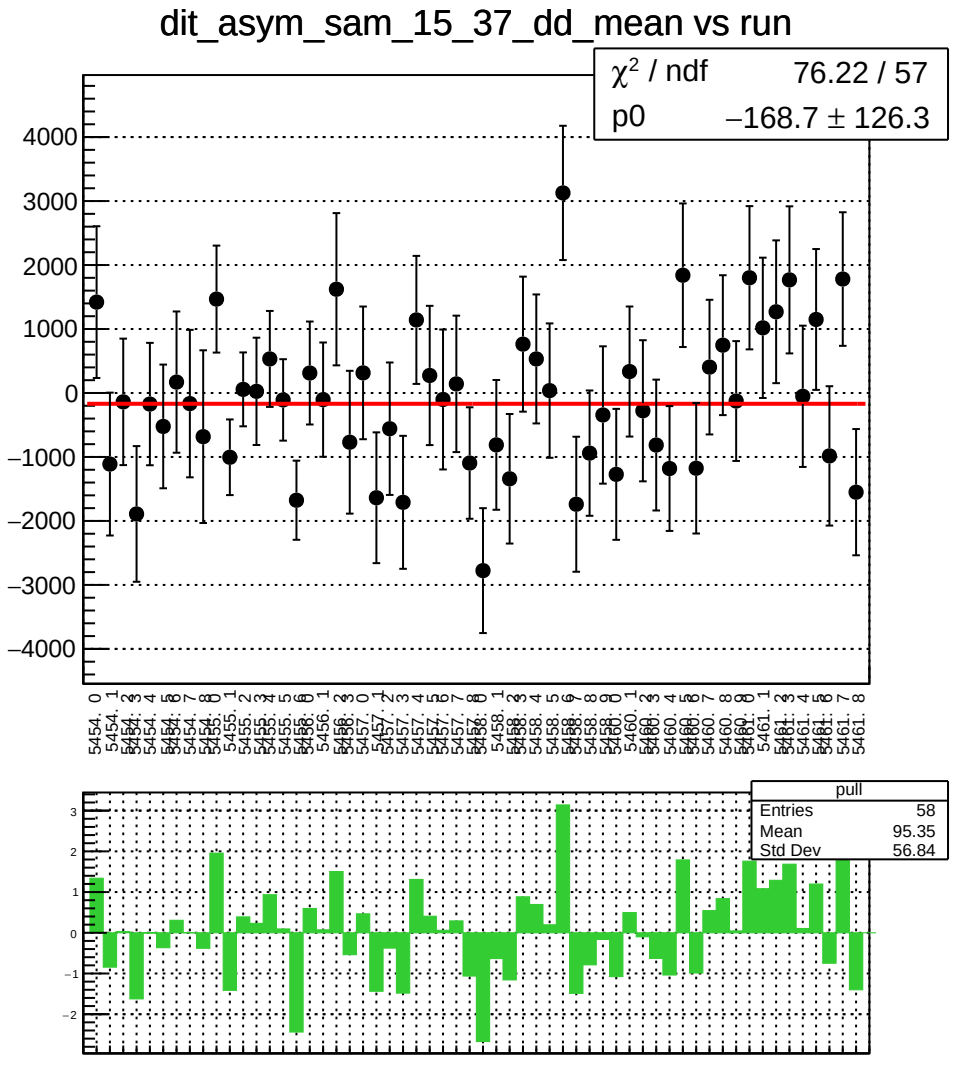

pull1D
Entries 58
Mean −0.01129
Std Dev 1.049

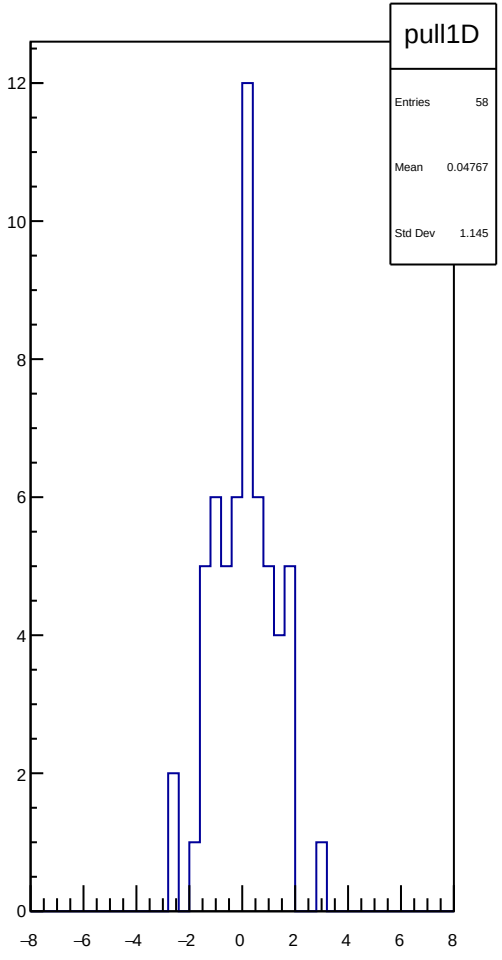

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1899 / 57
p0 473.7 ± 0.4531
520
500
480
460
440

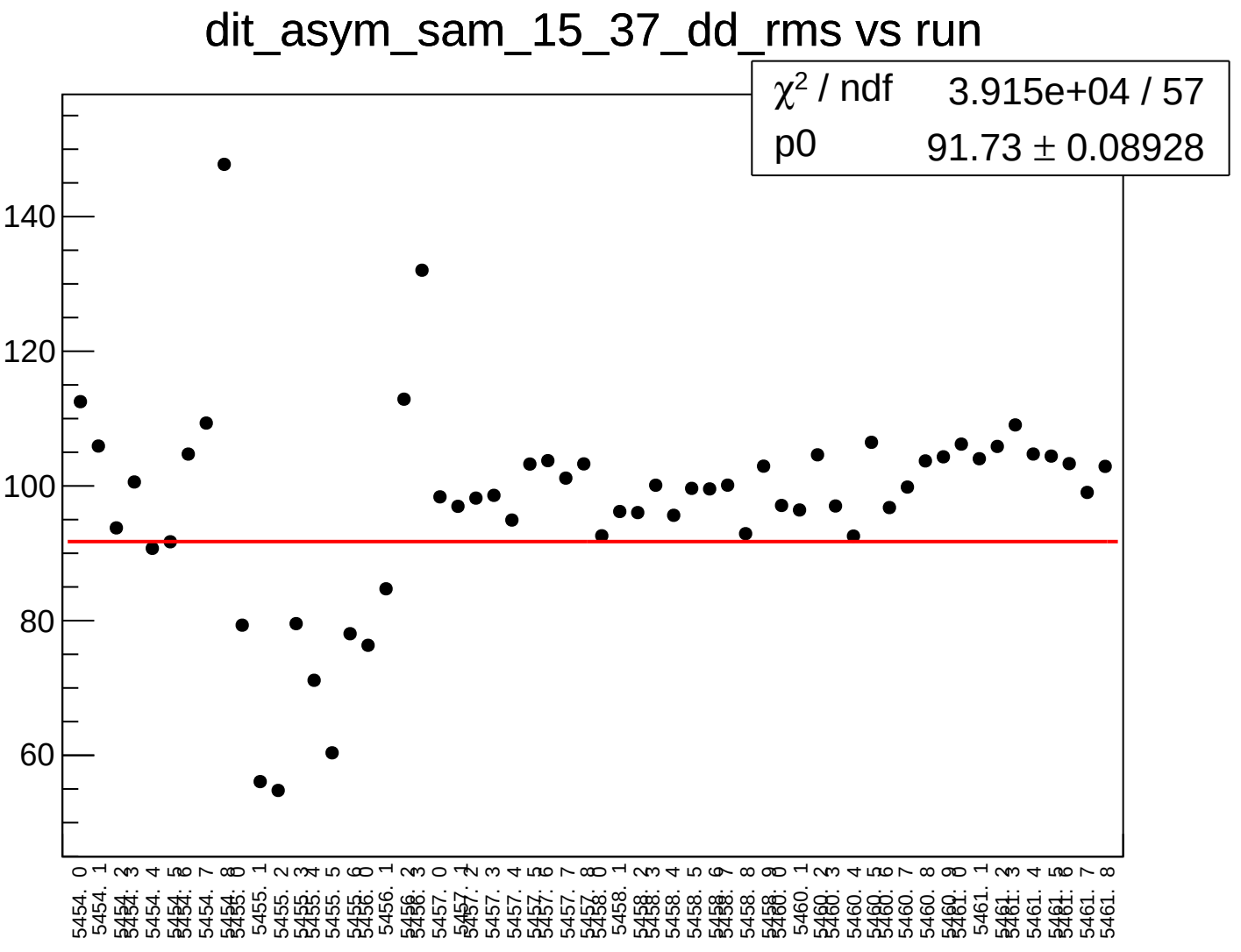

asym_sam_13_57_dd_mean vs run
χ² / ndf 57.08 / 57
p0 −131.4 ± 598.1
pull
Entries 58
Mean 974.1
Std Dev 943.4

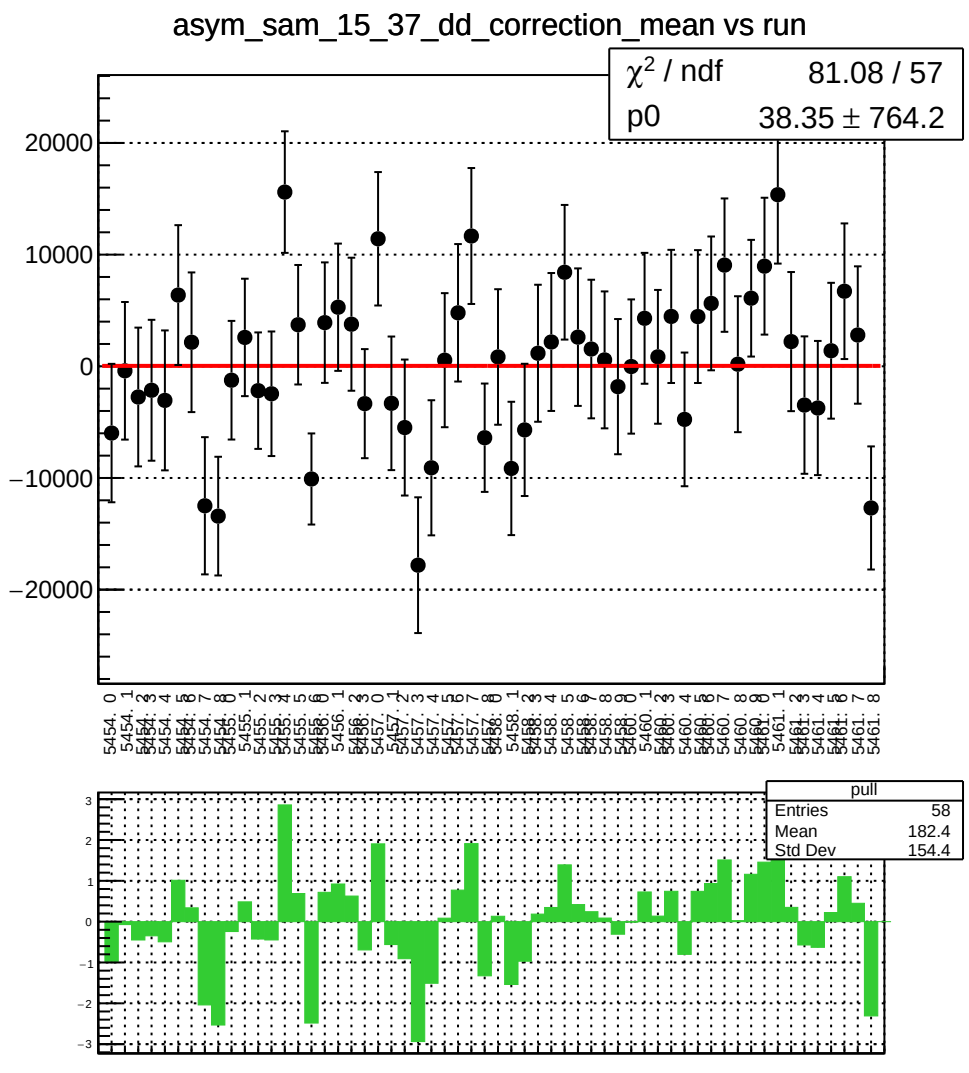

pull1D
Entries 58
Mean 0.004151
Std Dev 0.992

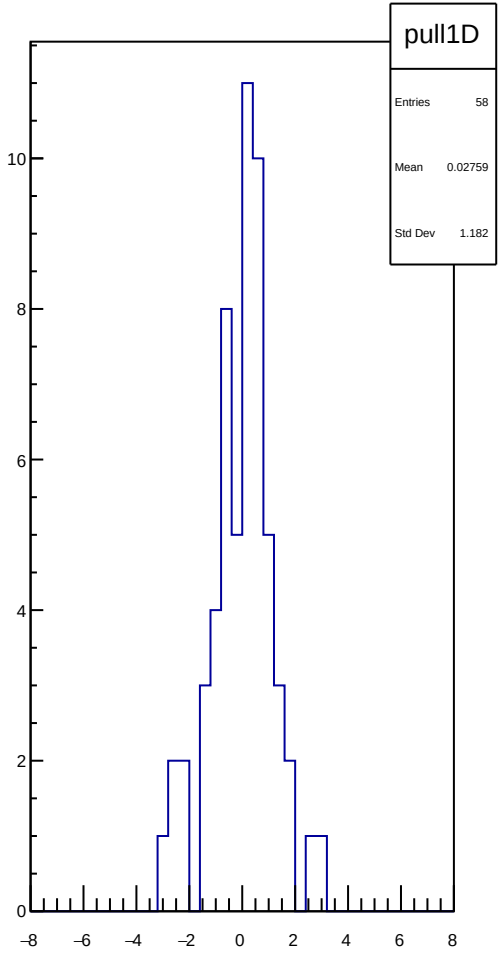

asym_sam_13_57_dd_rms vs run
χ² / ndf 2665 / 57
p0 442 ± 0.423
500
480
460
440
420
400

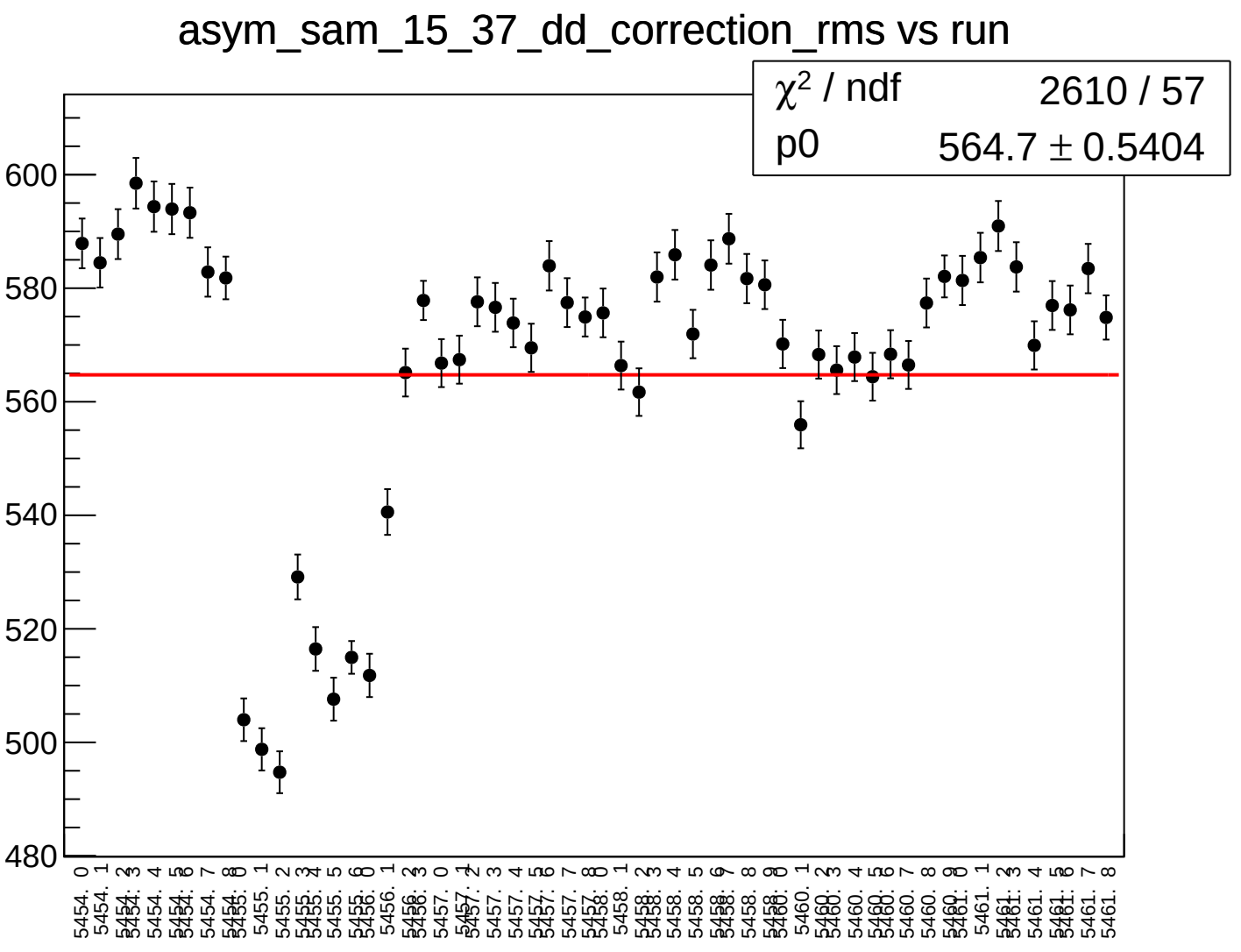

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 76.22 / 57
p0 −168.7 ± 126.3
pull
Entries 58
Mean 95.35
Std Dev 56.84

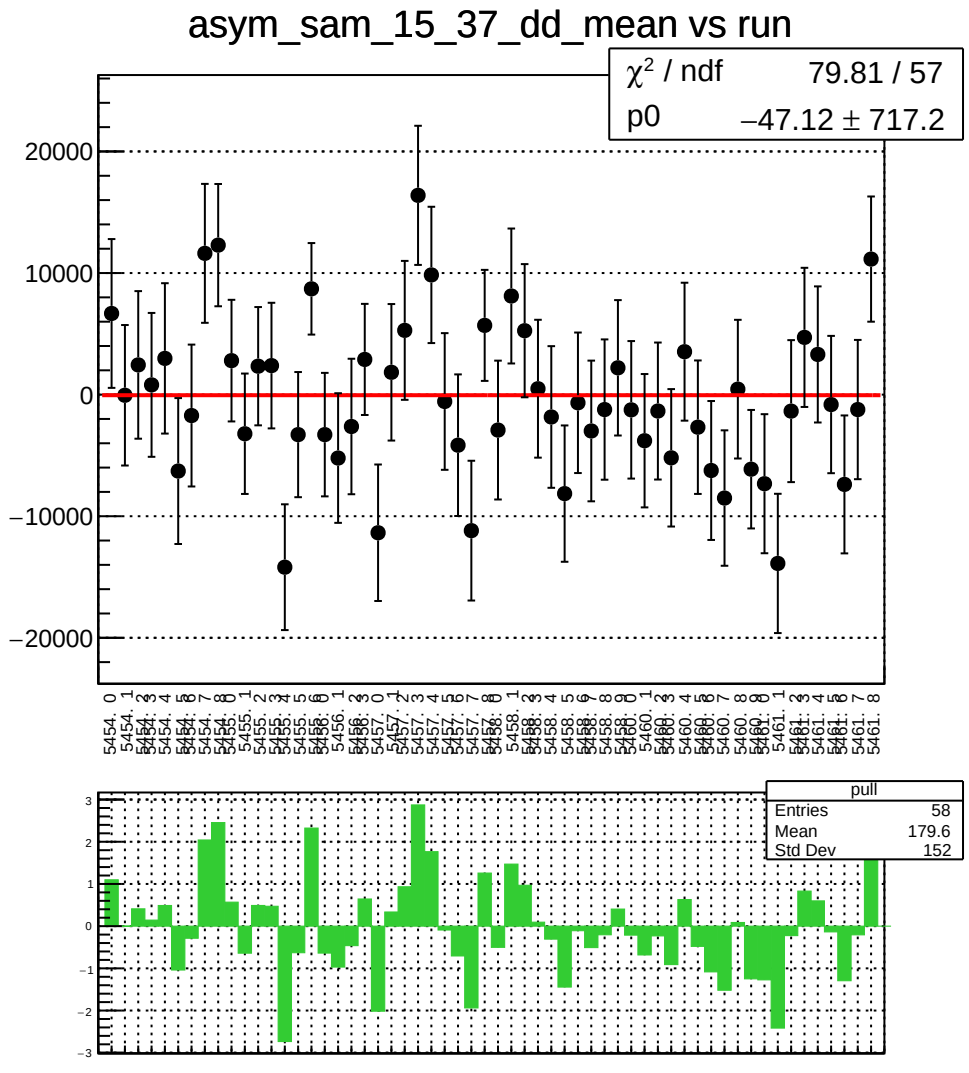

pull1D
Entries 58
Mean 0.04767
Std Dev 1.145

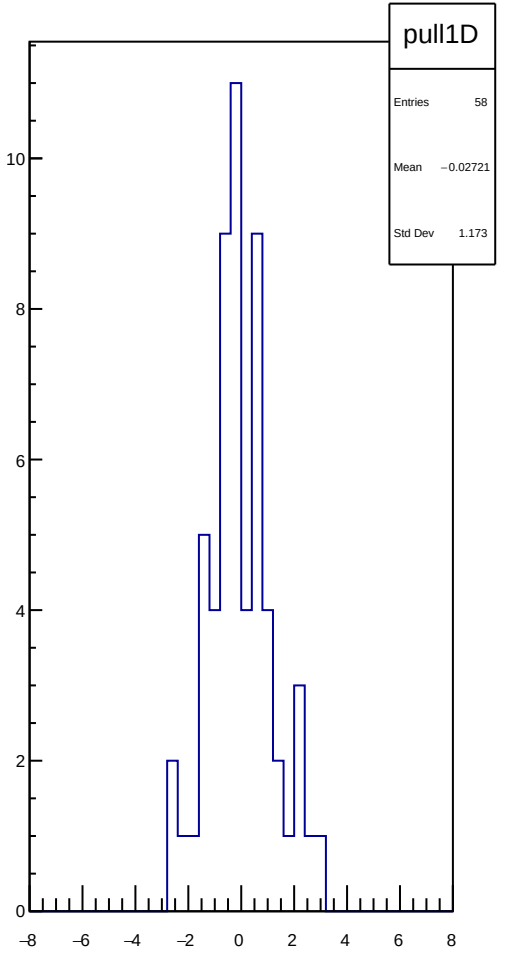

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.915e+04 / 57
p0 91.73 ± 0.08928
140
120
100
80
60

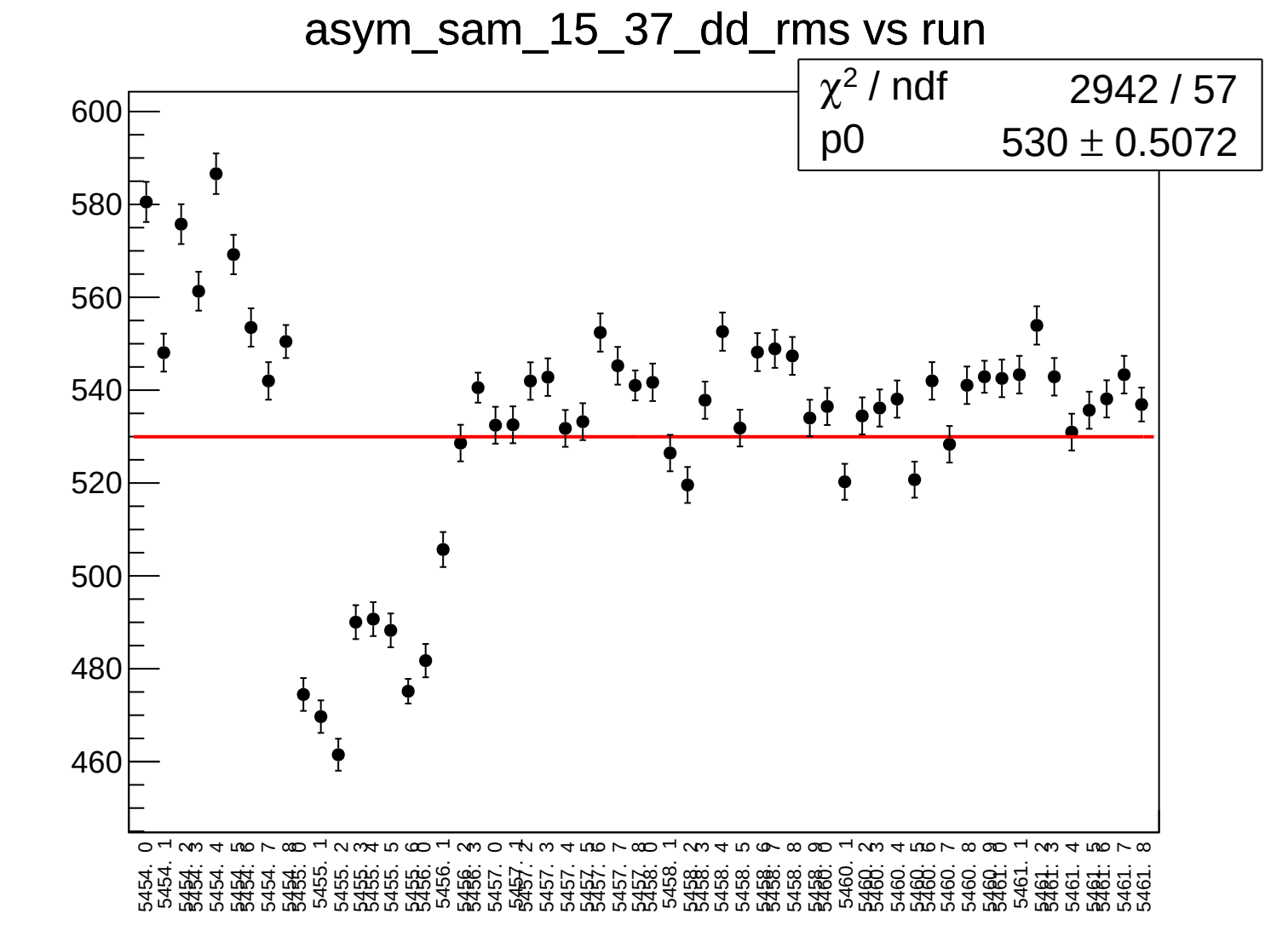

asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 81.08 / 57
p0 38.35 ± 764.2
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 182.4
Std Dev 154.4
3
2
1
0
−1
−2
−3

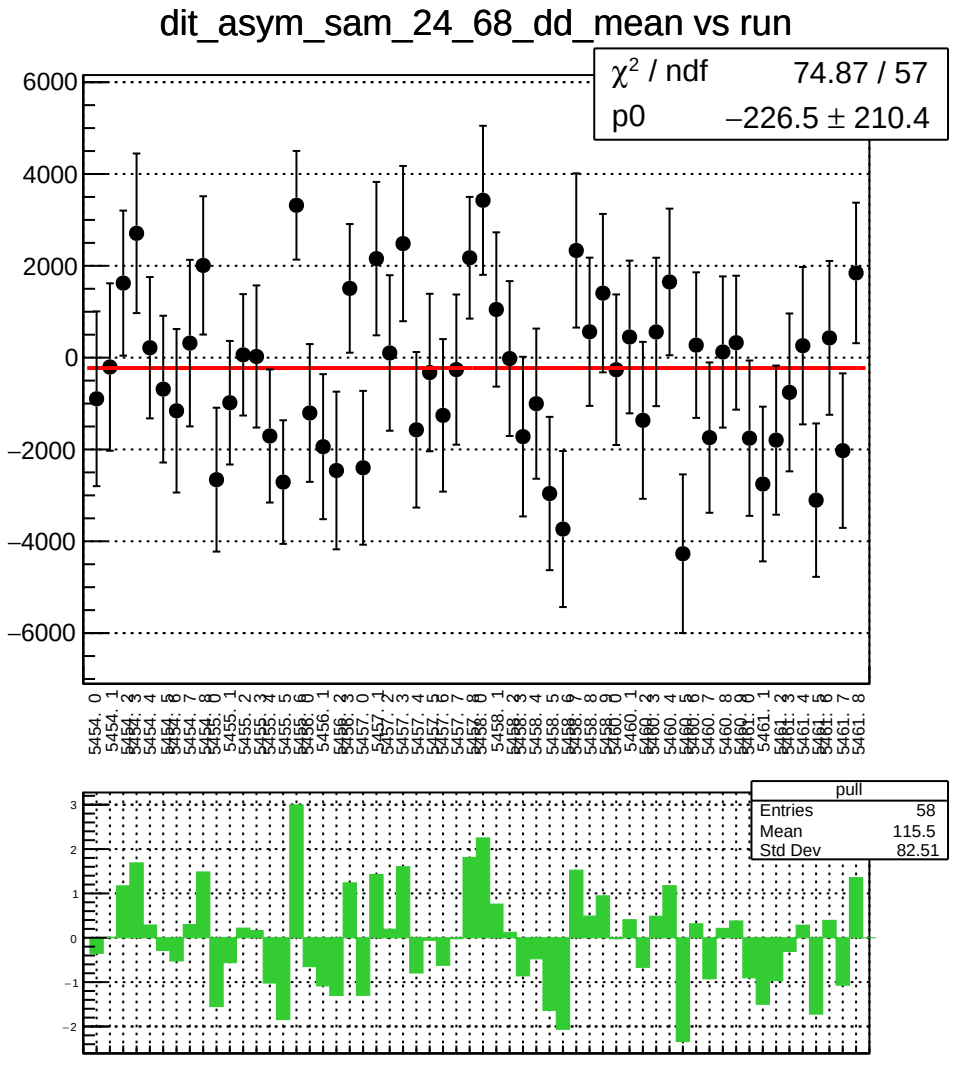

pull1D
Entries 58
Mean 0.02759
Std Dev 1.182
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

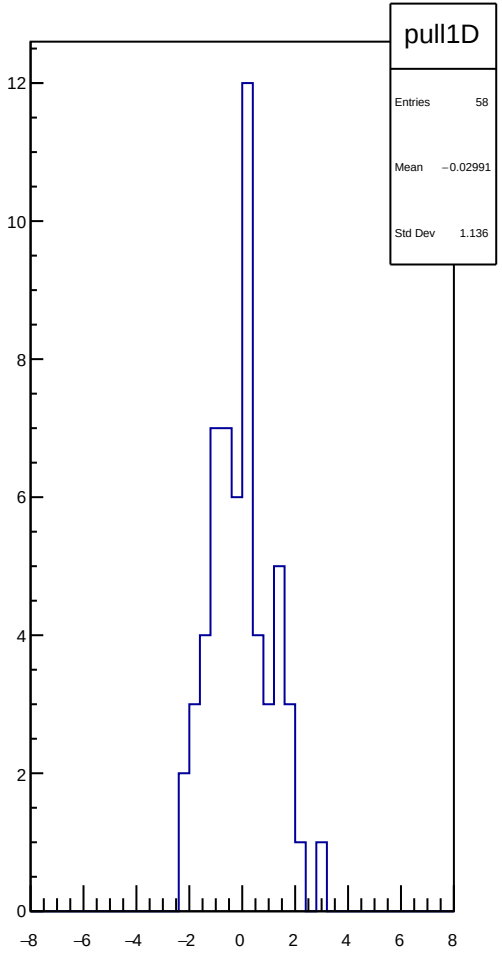

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2610 / 57
p0 564.7 ± 0.5404
600
580
560
540
520
500
480

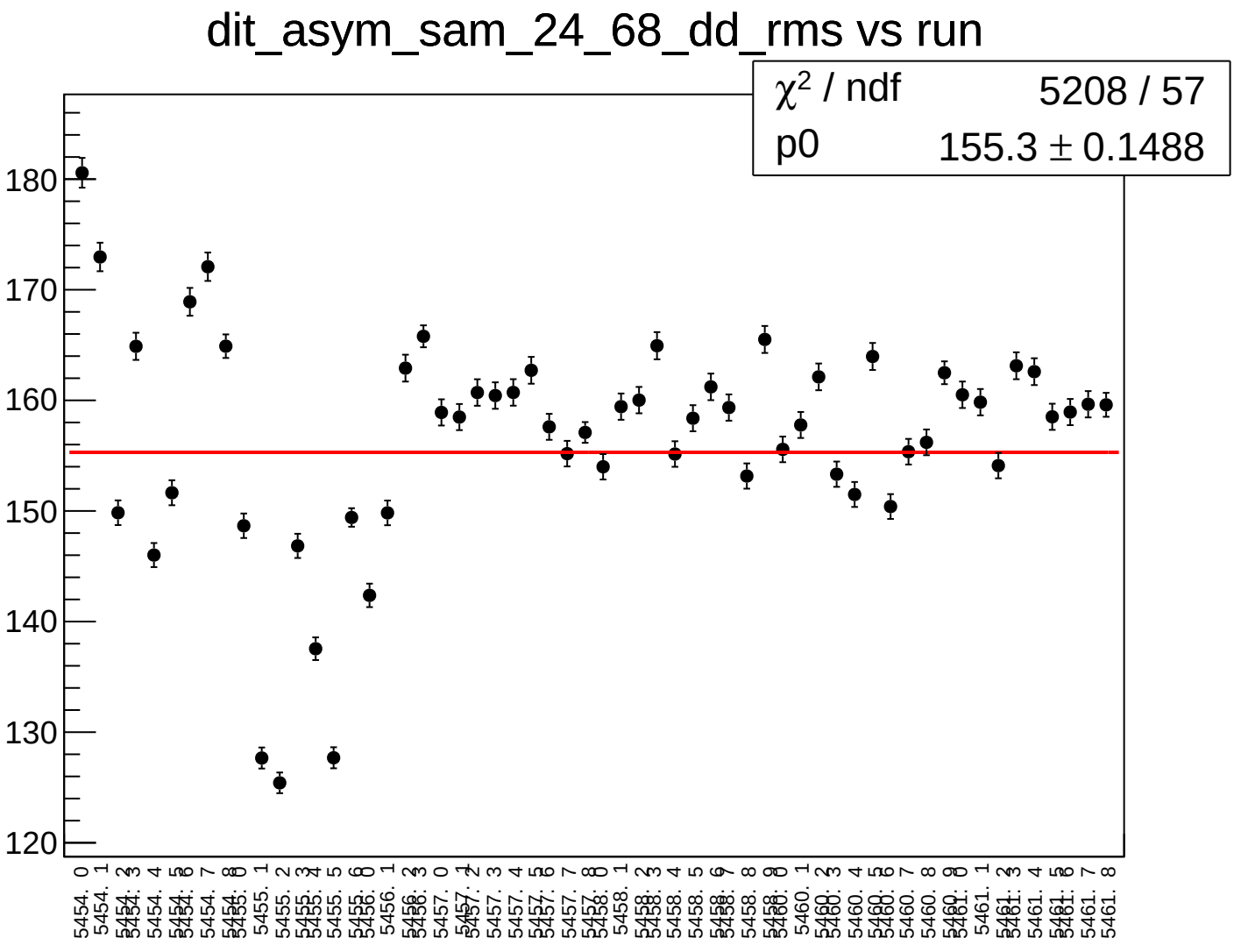

asym_sam_15_37_dd_mean vs run
χ² / ndf 79.81 / 57
p0 −47.12 ± 717.2
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 179.6
Std Dev 152
3
2
1
0
−1
−2
−3

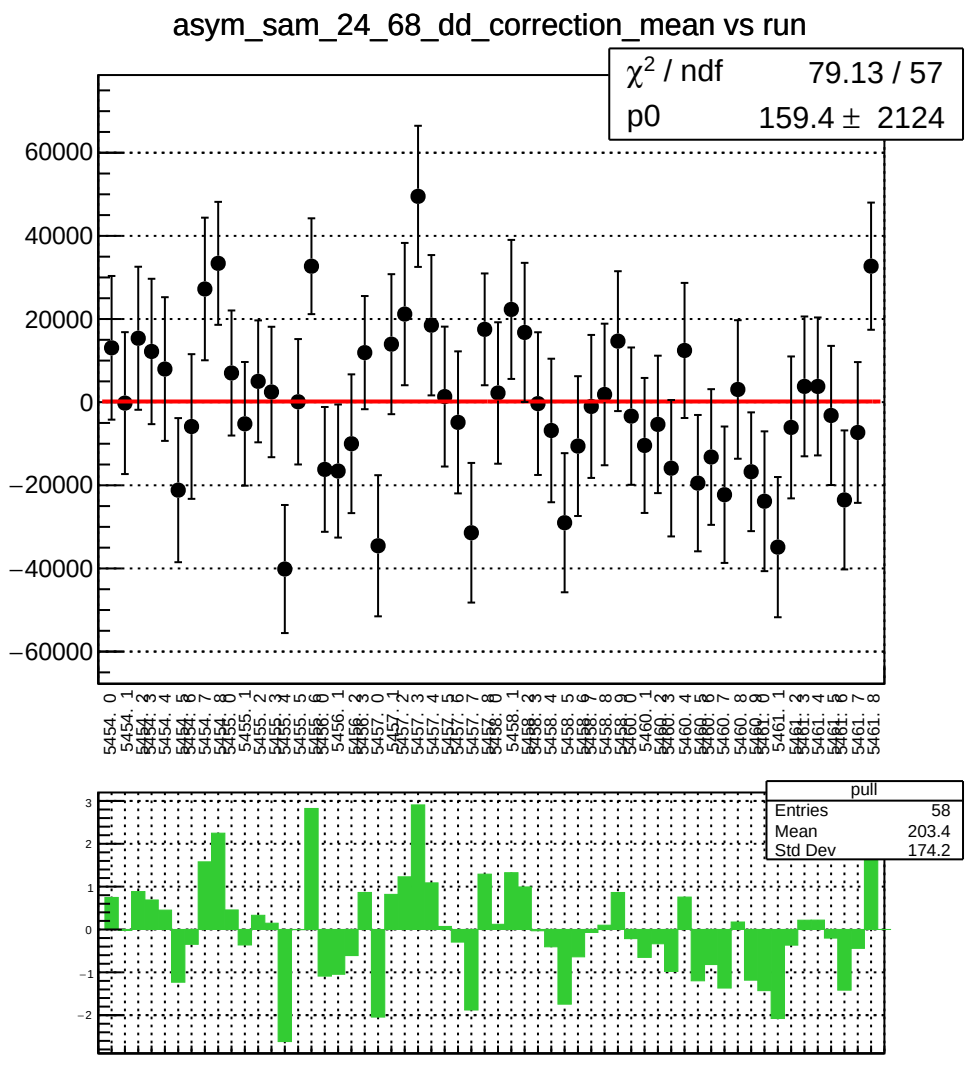

pull1D
Entries 58
Mean −0.02721
Std Dev 1.173
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

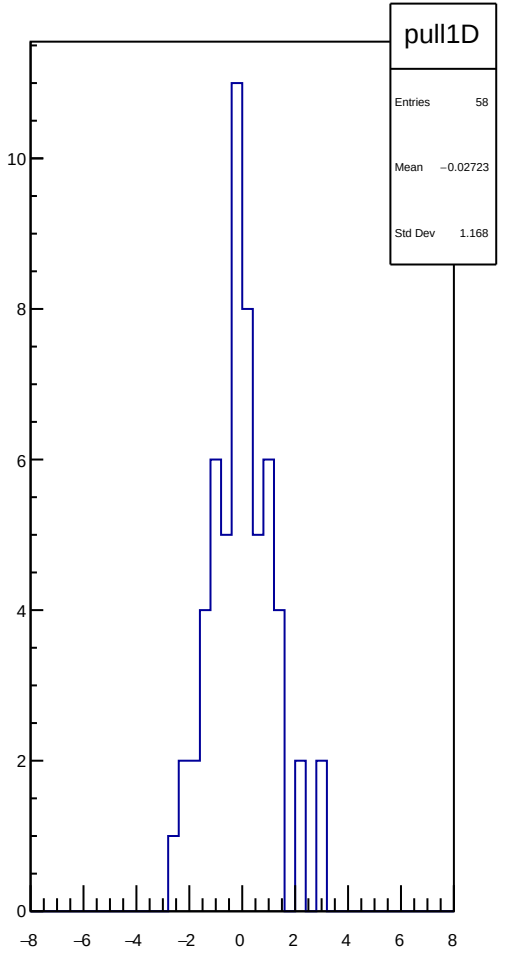

asym_sam_15_37_dd_rms vs run
χ² / ndf 2942 / 57
p0 530 ± 0.5072
600
580
560
540
520
500
480
460

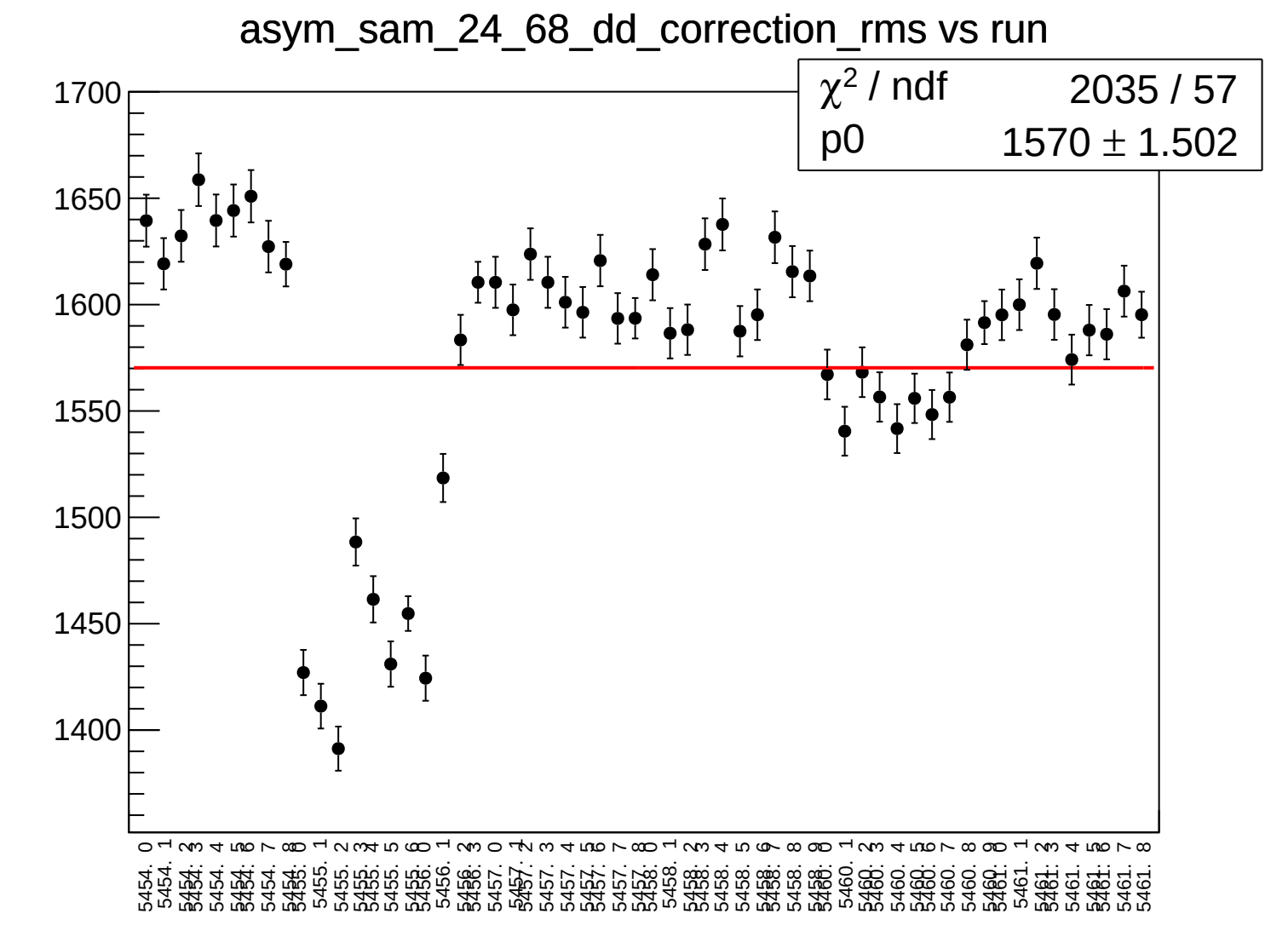

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 74.87 / 57
p0 −226.5 ± 210.4
pull
Entries 58
Mean 115.5
Std Dev 82.51

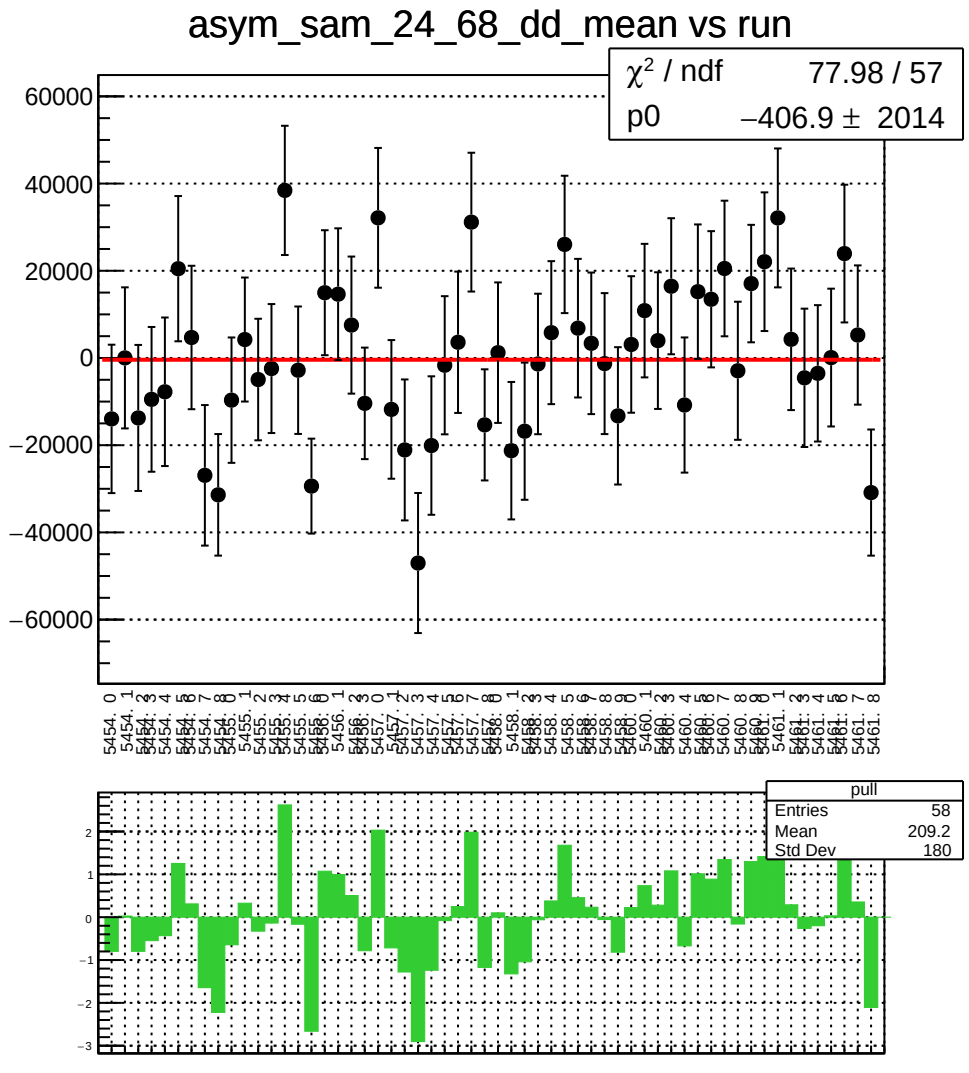

pull1D
Entries 58
Mean −0.02991
Std Dev 1.136

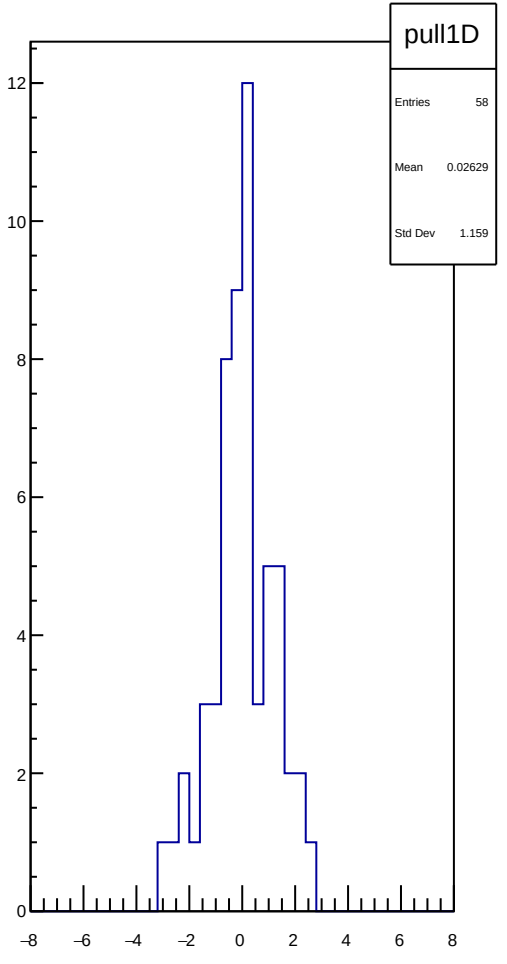

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5208 / 57
p0 155.3 ± 0.1488
180
170
160
150
140
130
120

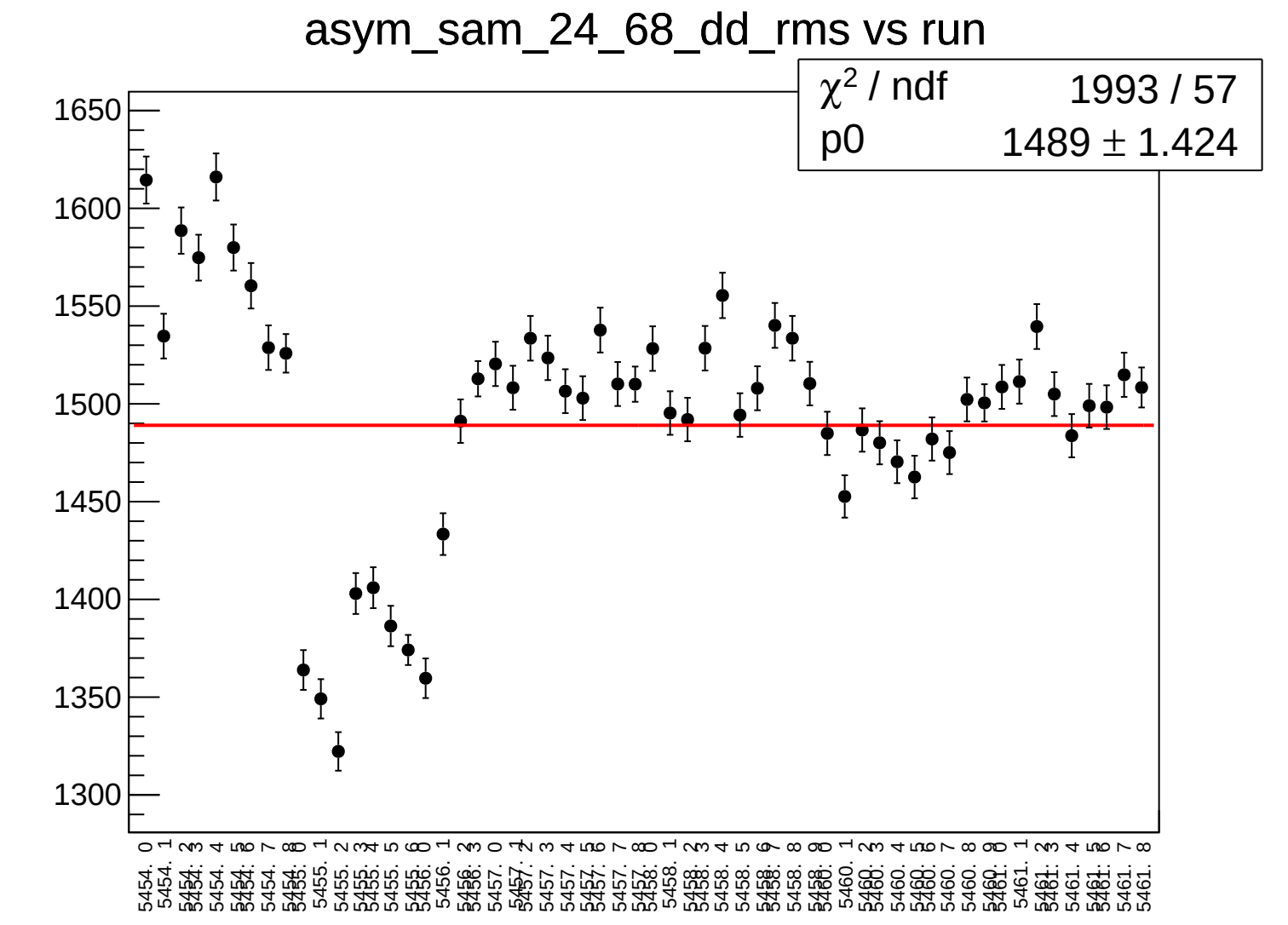

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 79.13 / 57
p0 159.4 ± 2124
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 203.4
Std Dev 174.2
3
2
1
0
−1
−2

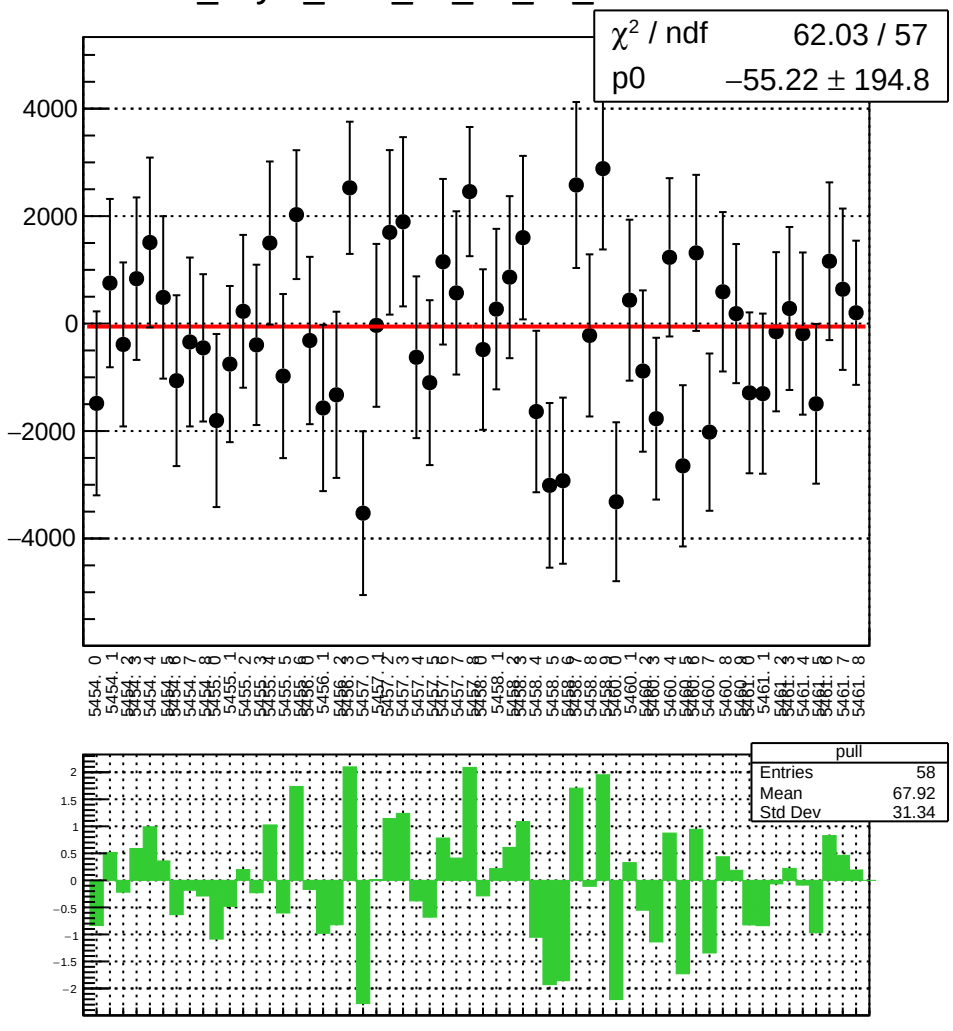

pull1D
Entries 58
Mean −0.02723
Std Dev 1.168
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

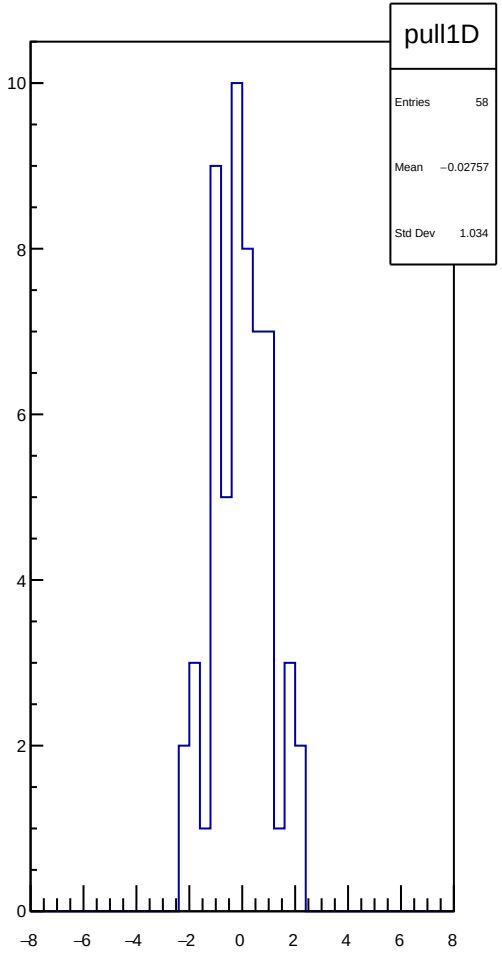

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2035 / 57
p0 1570 ± 1.502
1700
1650
1600
1550
1500
1450
1400
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5454. 9
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5455. 7
5456. 0
5456. 1
5456. 2
5456. 3
5456. 4
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

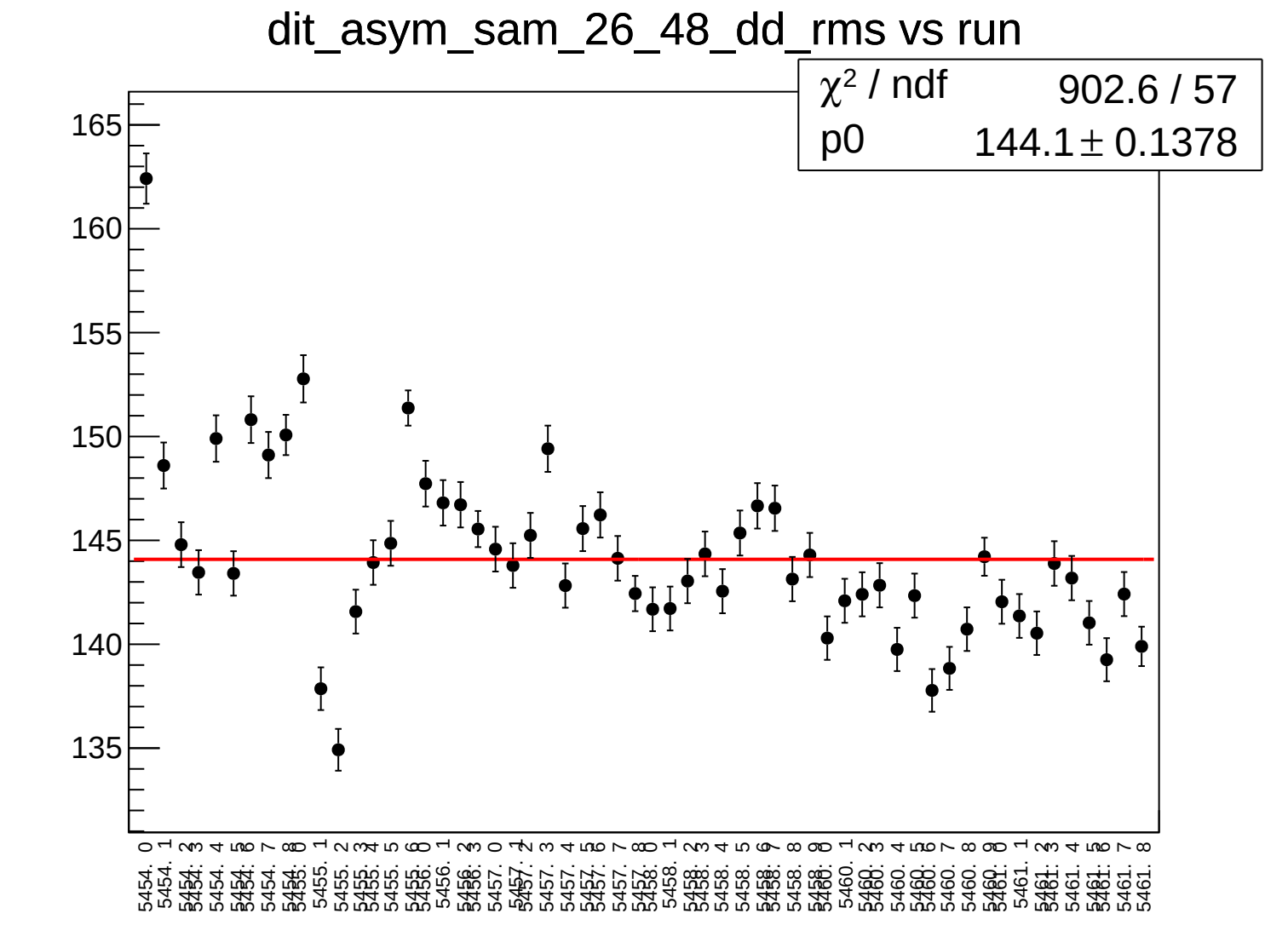

asym_sam_24_68_dd_mean vs run
χ² / ndf 77.98 / 57
p0 −406.9 ± 2014
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 209.2
Std Dev 180
2
1
0
−1
−2
−3

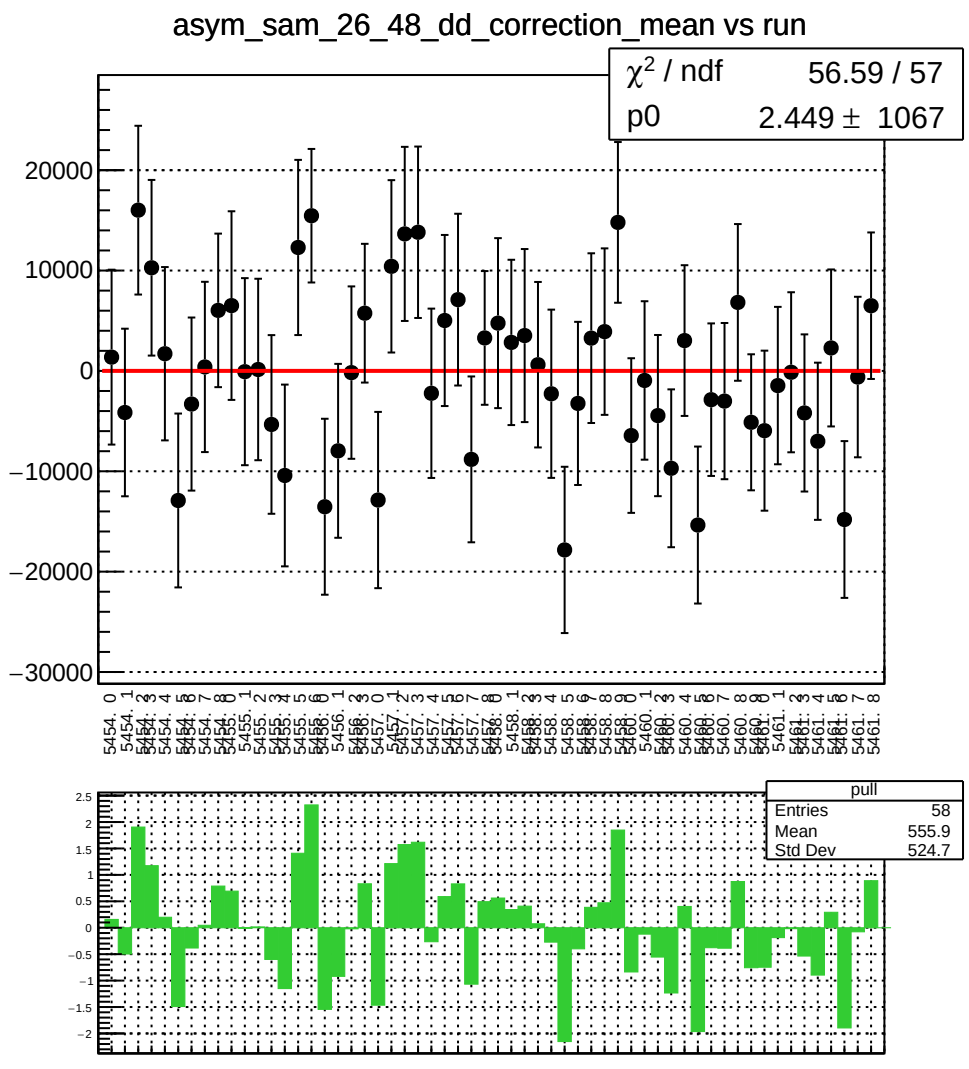

pull1D
Entries 58
Mean 0.02629
Std Dev 1.159
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

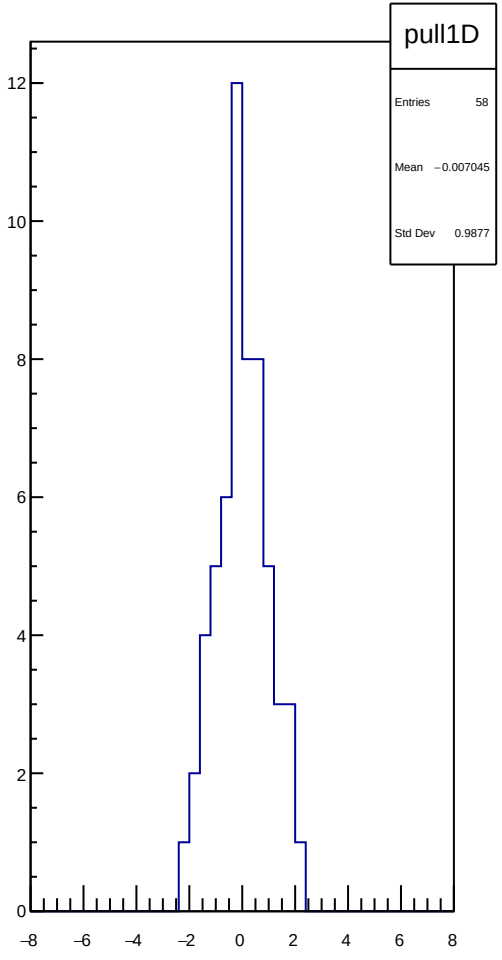

asym_sam_24_68_dd_rms vs run
χ² / ndf 1993 / 57
p0 1489 ± 1.424
1650
1600
1550
1500
1450
1400
1350
1300

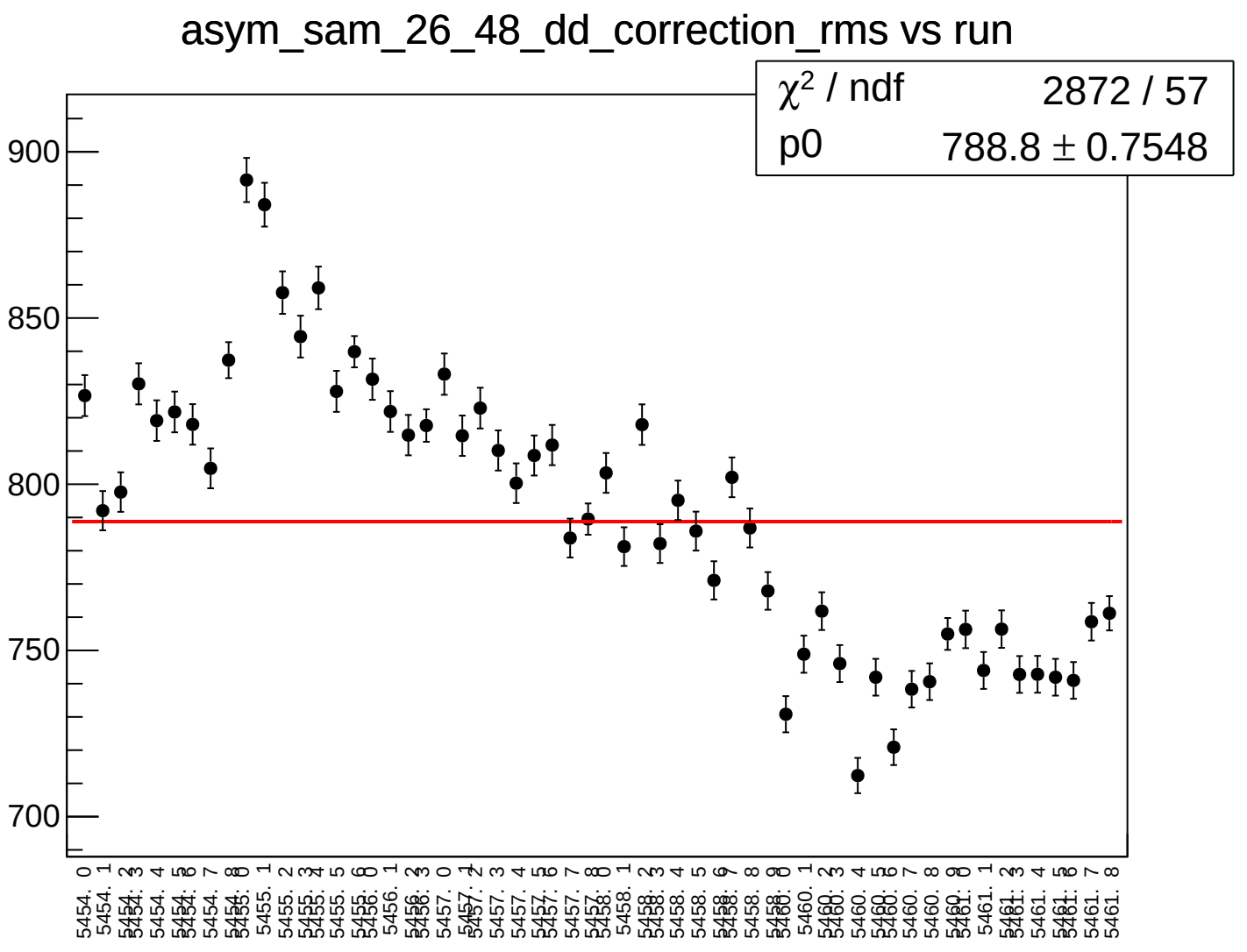

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.03 / 57
p0 −55.22 ± 194.8
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 67.92
Std Dev 31.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

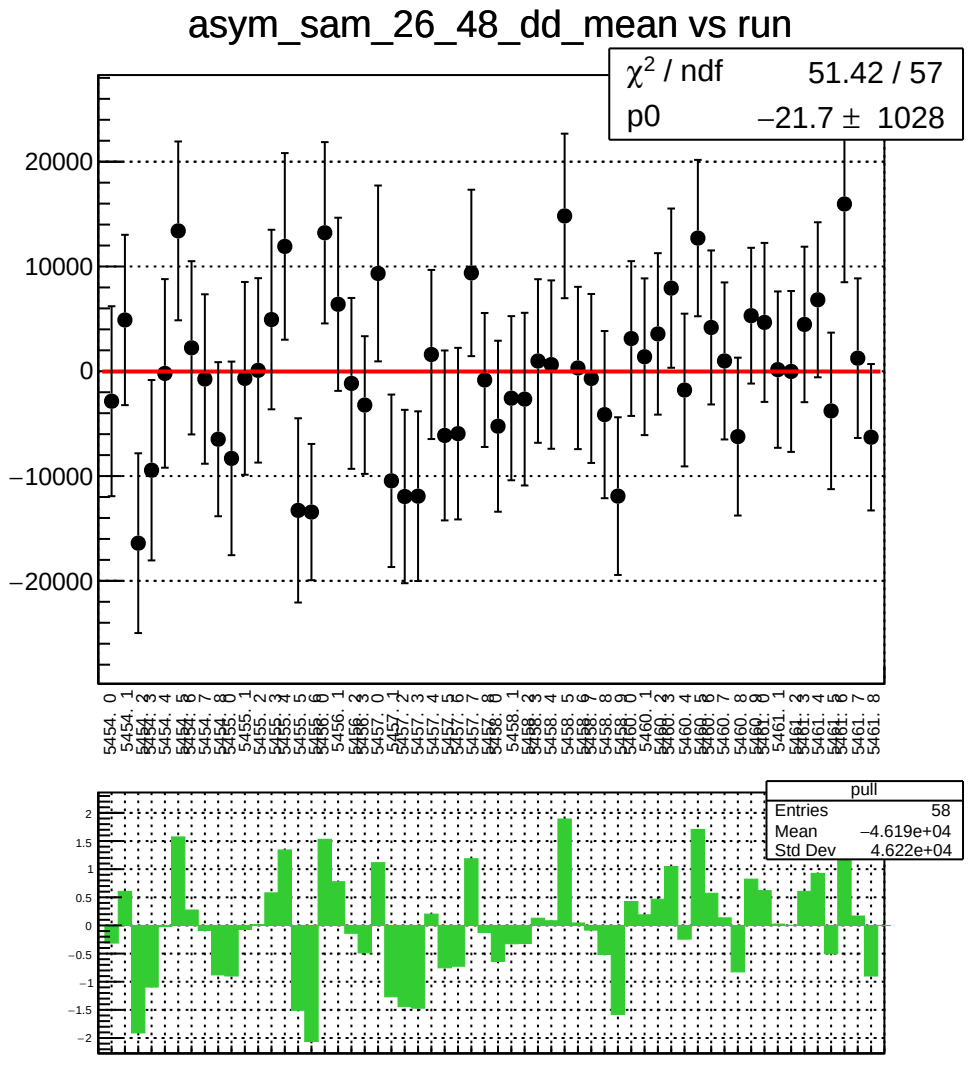

pull1D
Entries 58
Mean −0.02757
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

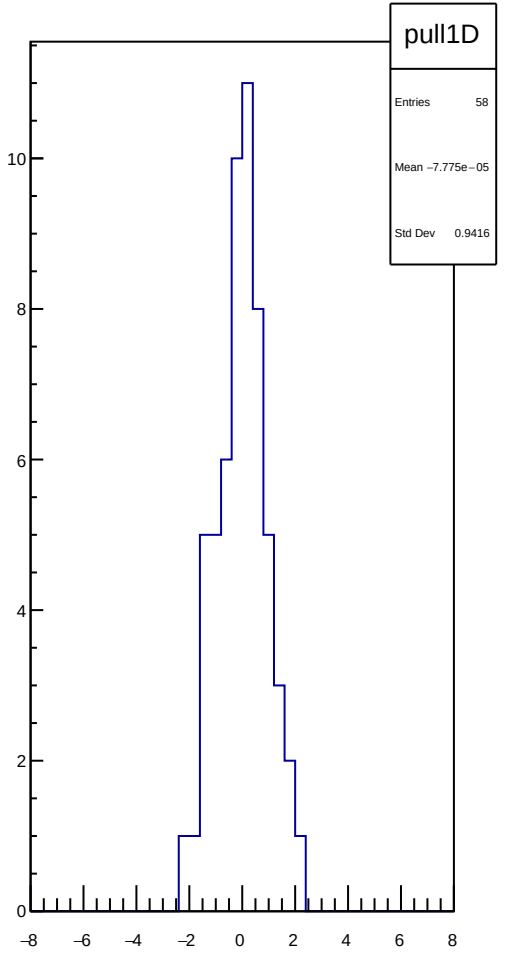

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 902.6 / 57
p0 144.1 ± 0.1378
165
160
155
150
145
140
135

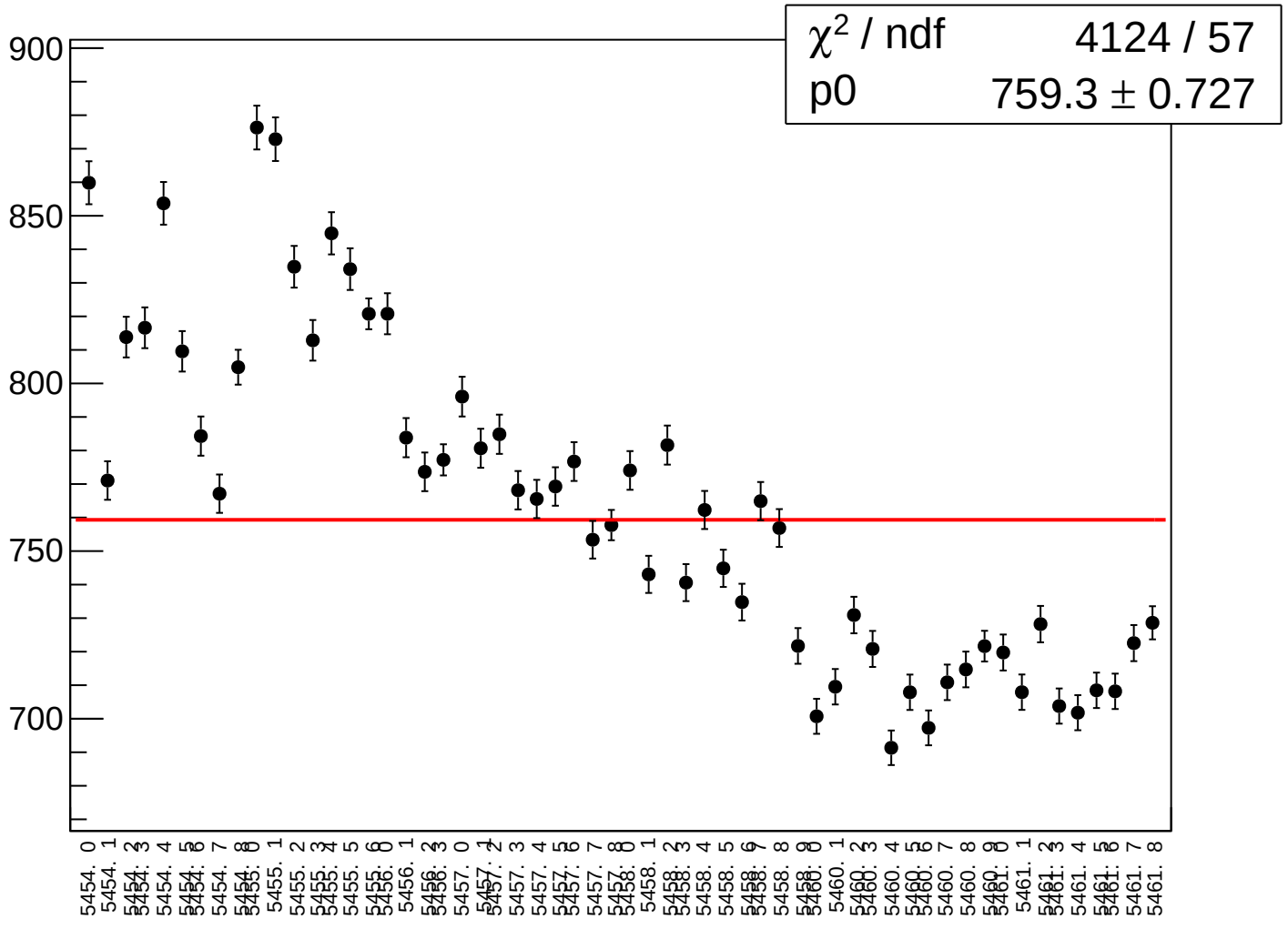

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 56.59 / 57
p0 2.449 ± 1067
pull
Entries 58
Mean 555.9
Std Dev 524.7

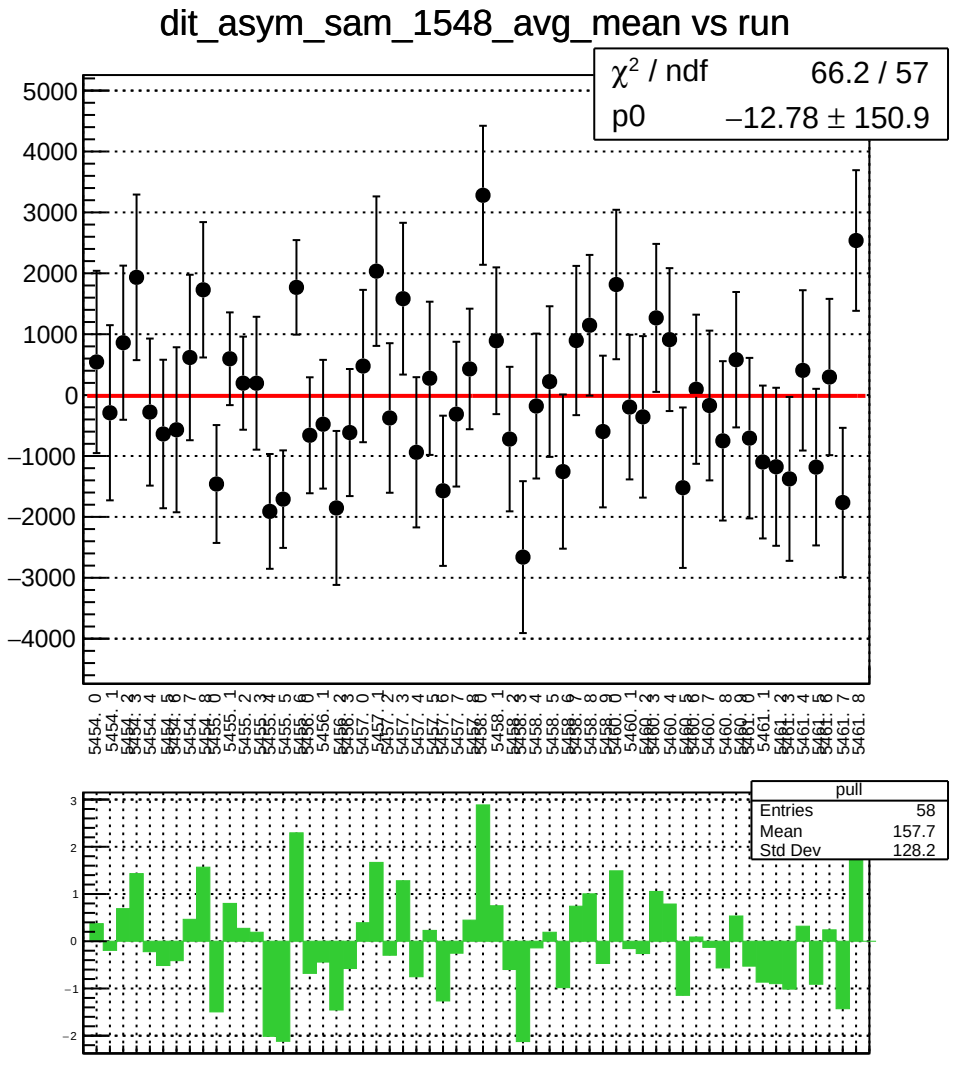

pull1D
Entries 58
Mean −0.007045
Std Dev 0.9877

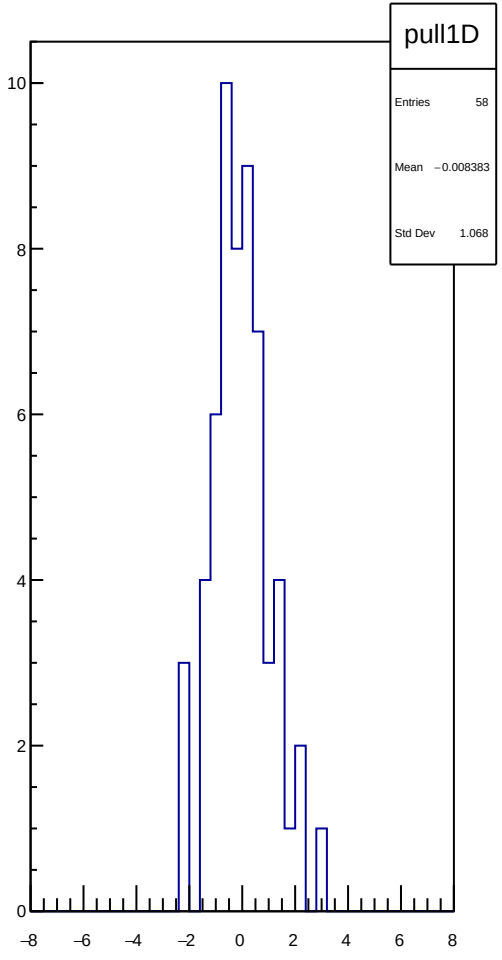

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2872 / 57
p0 788.8 ± 0.7548
900
850
800
750
700
5454. 0
5454. 1
5454. 2
5454. 3
5454. 4
5454. 5
5454. 6
5454. 7
5454. 8
5455. 0
5455. 1
5455. 2
5455. 3
5455. 4
5455. 5
5455. 6
5456. 0
5456. 1
5456. 2
5456. 3
5457. 0
5457. 1
5457. 2
5457. 3
5457. 4
5457. 5
5457. 6
5457. 7
5457. 8
5458. 0
5458. 1
5458. 2
5458. 3
5458. 4
5458. 5
5458. 6
5458. 7
5458. 8
5458. 9
5460. 0
5460. 1
5460. 2
5460. 3
5460. 4
5460. 5
5460. 6
5460. 7
5460. 8
5460. 9
5461. 0
5461. 1
5461. 2
5461. 3
5461. 4
5461. 5
5461. 6
5461. 7
5461. 8

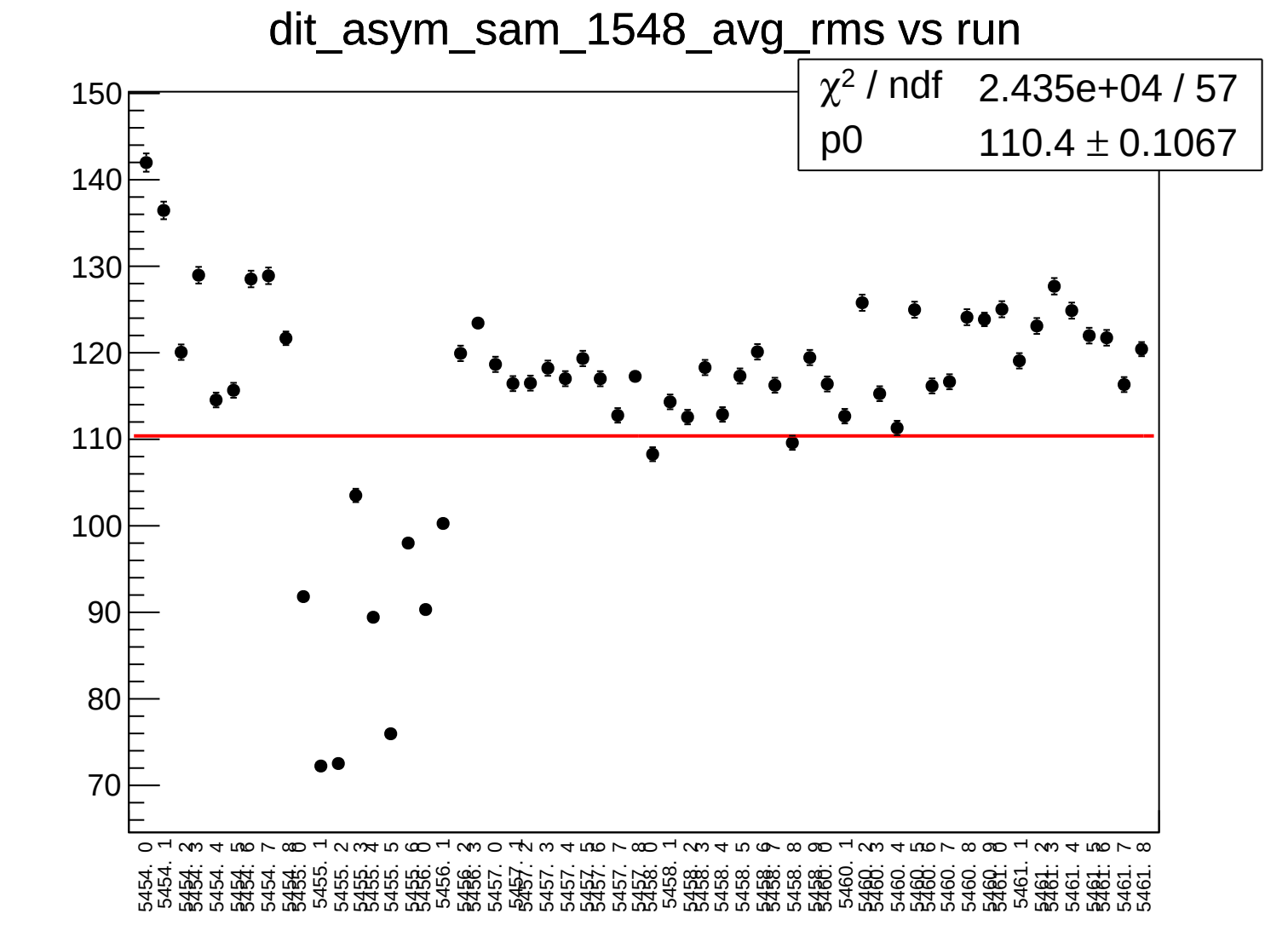

asym_sam_26_48_dd_mean vs run
χ² / ndf 51.42 / 57
p0 −21.7 ± 1028
20000
10000
0
−10000
−20000
pull
Entries 58
Mean −4.619e+04
Std Dev 4.622e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

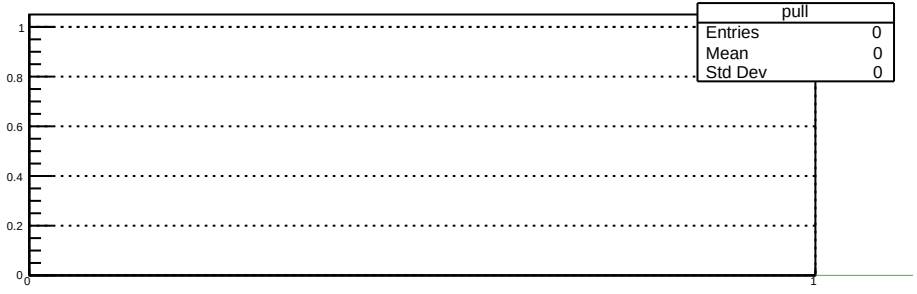

pull1D
Entries 58
Mean −7.775e−05
Std Dev 0.9416
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

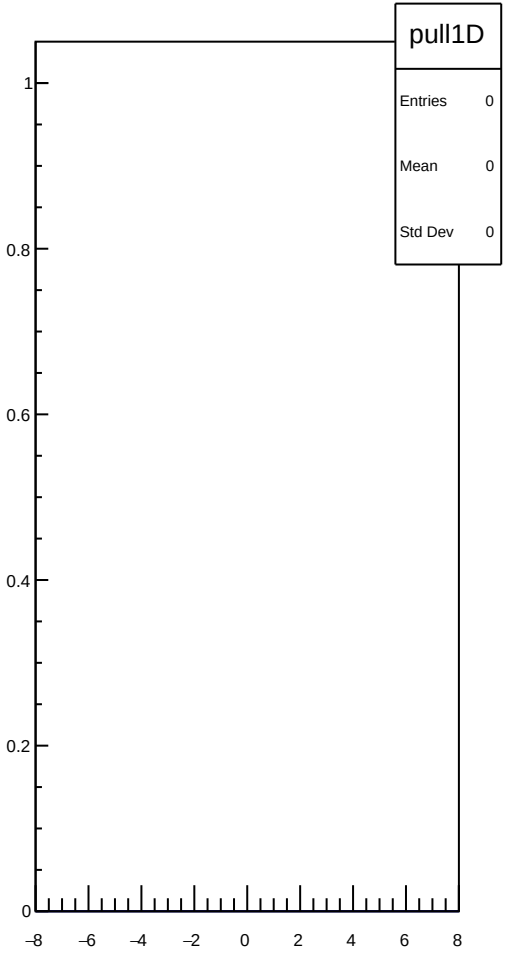

asym_sam_26_48_dd_rms vs run
χ² / ndf 4124 / 57
p0 759.3 ± 0.727
900
850
800
750
700

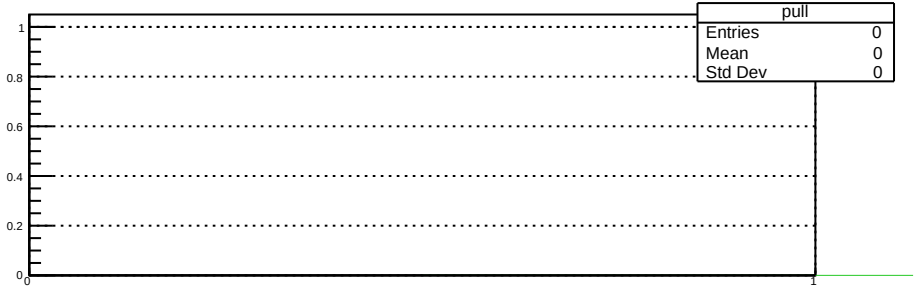

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 66.2 / 57
p0 −12.78 ± 150.9
pull
Entries 58
Mean 157.7
Std Dev 128.2

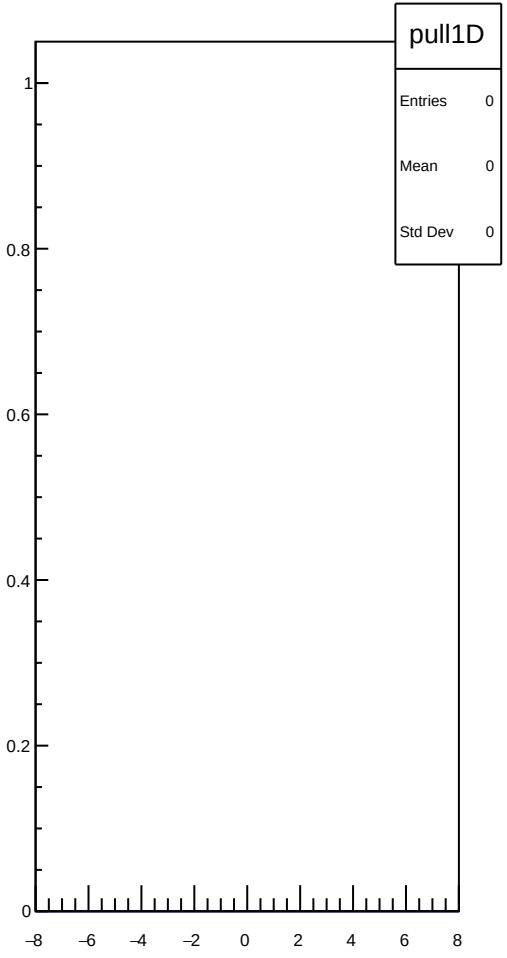

pull1D
Entries 58
Mean −0.008383
Std Dev 1.068

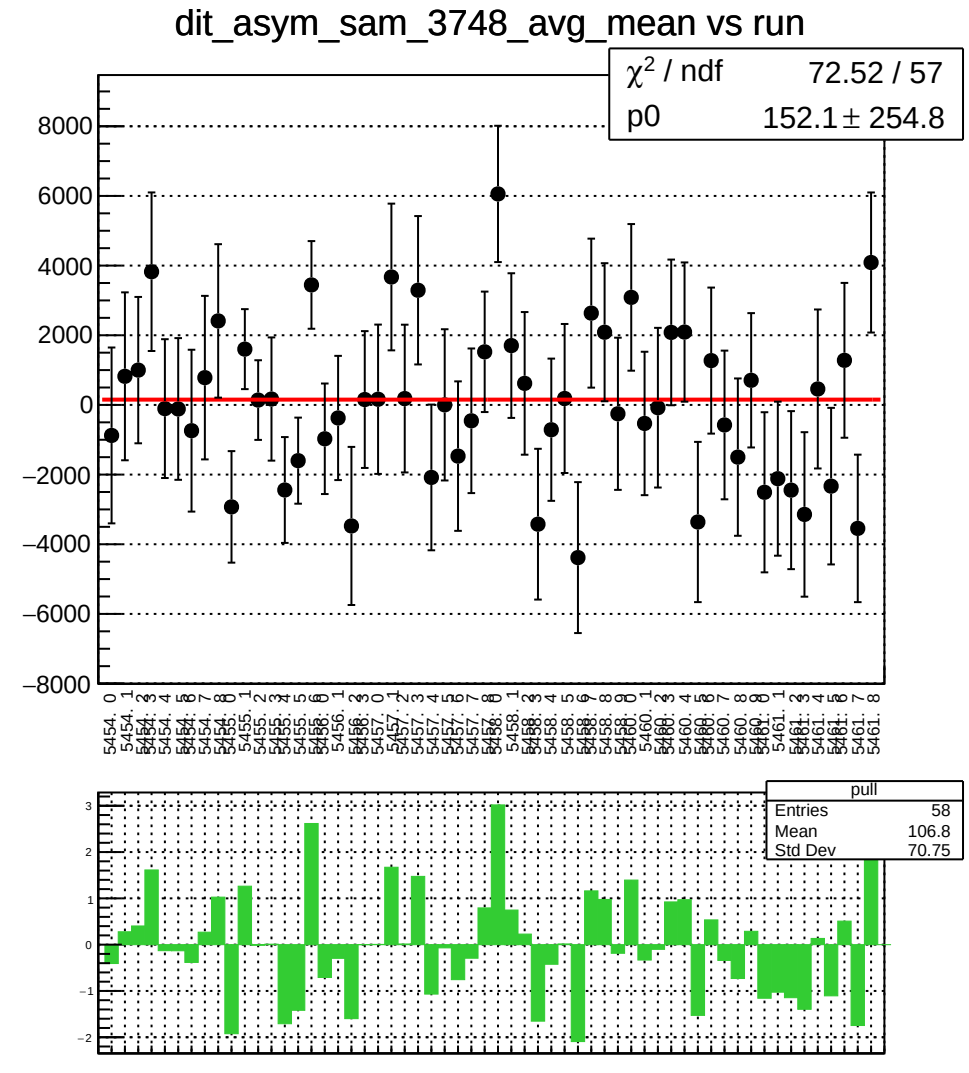

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.435e+04 / 57
p0 110.4 ± 0.1067
150
140
130
120
110
100
90
80
70

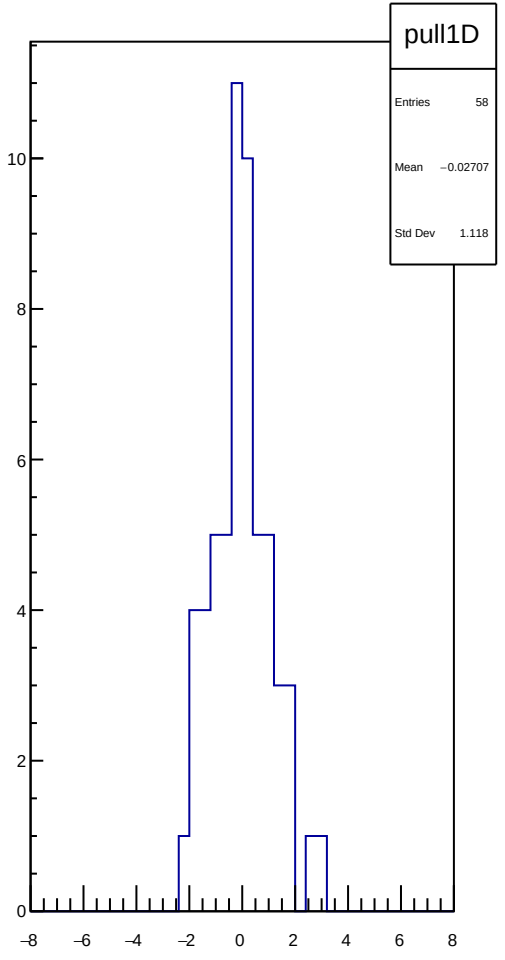

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

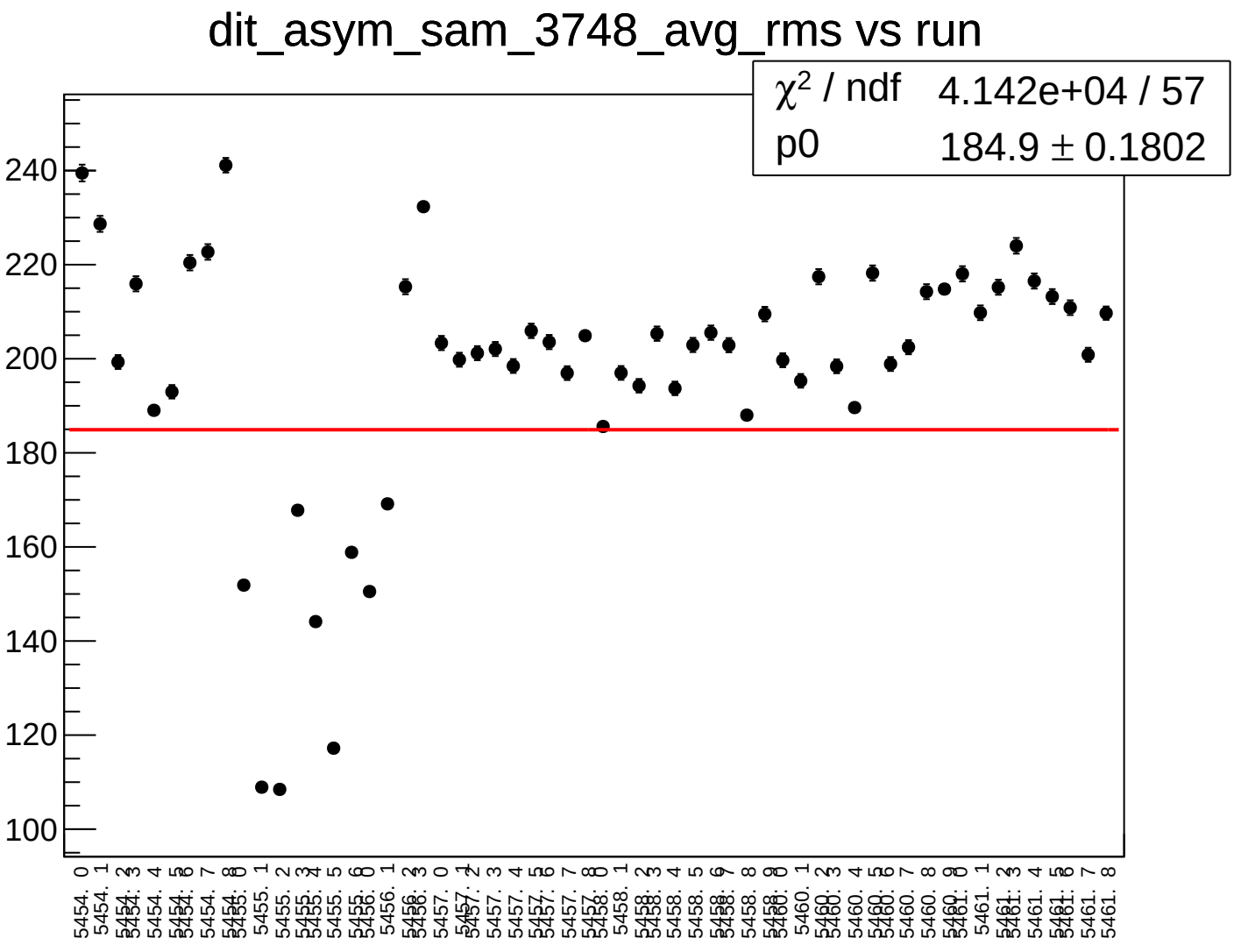

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

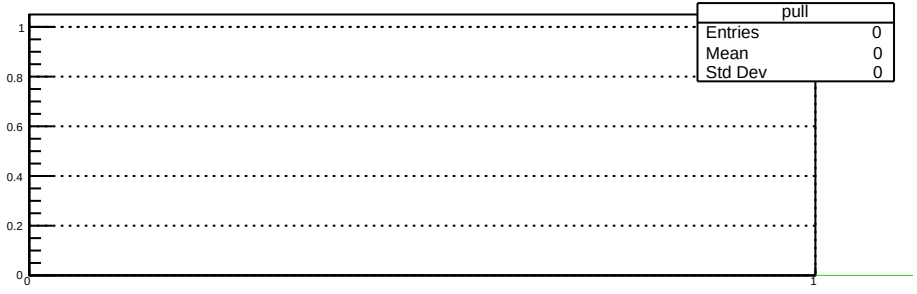

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

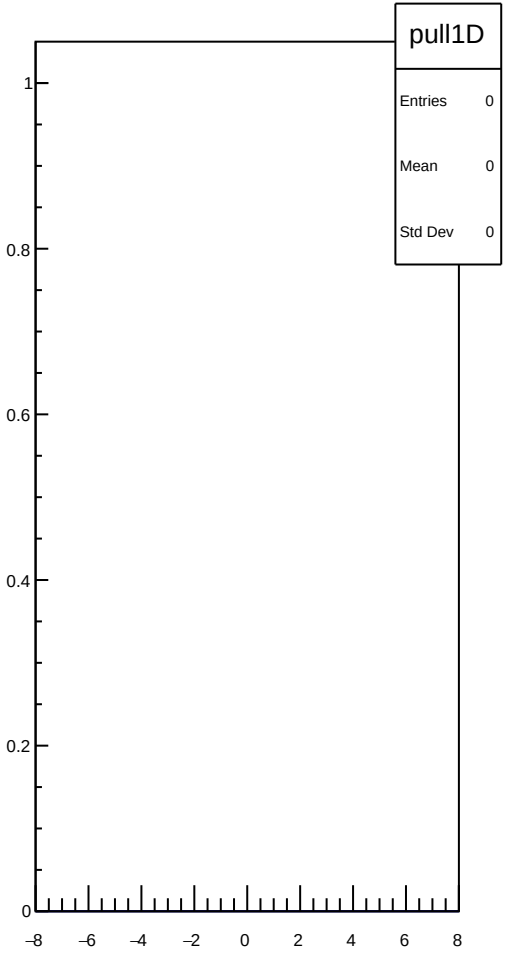

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

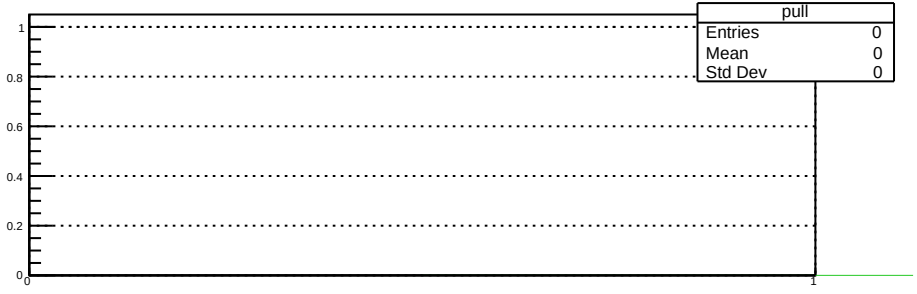

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 72.52 / 57
p0 152.1 ± 254.8
pull
Entries 58
Mean 106.8
Std Dev 70.75

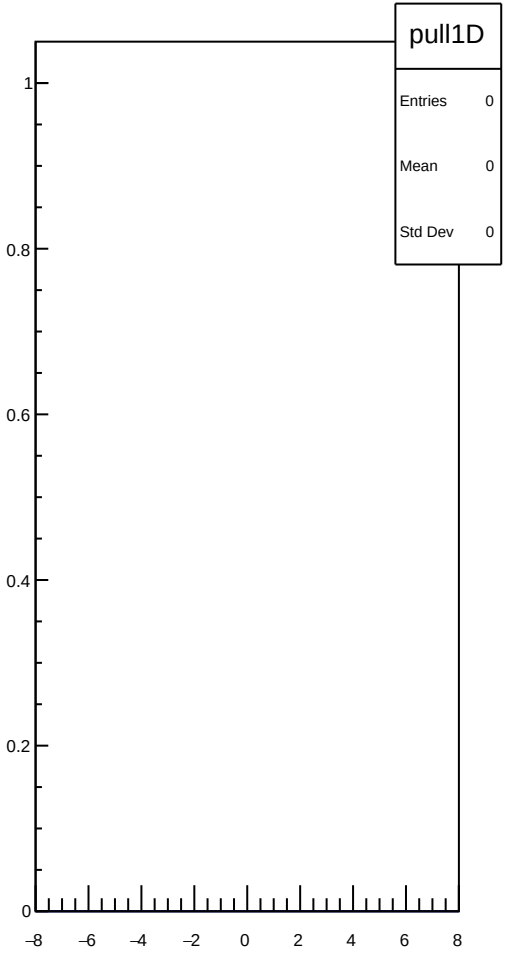

pull1D
Entries 58
Mean −0.02707
Std Dev 1.118

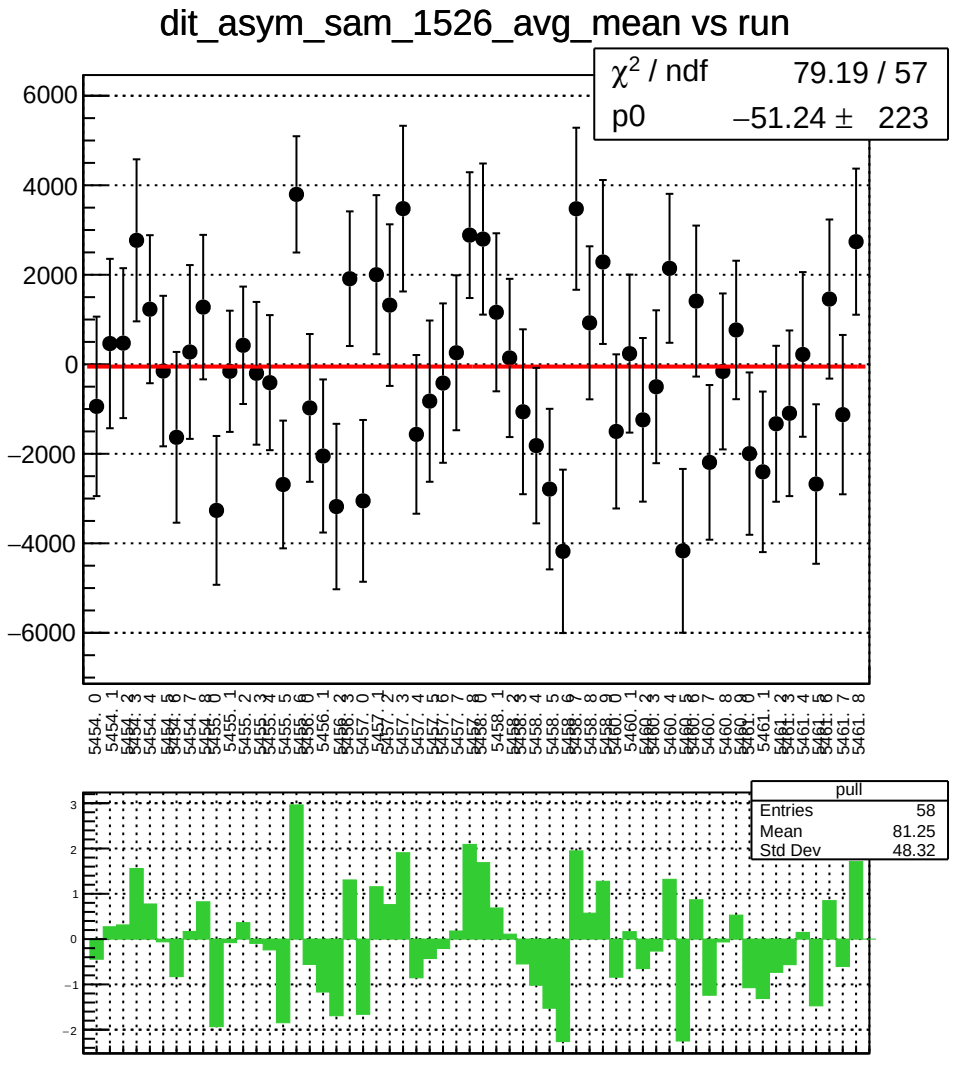

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.142e+04 / 57
p0 184.9 ± 0.1802
240
220
200
180
160
140
120
100

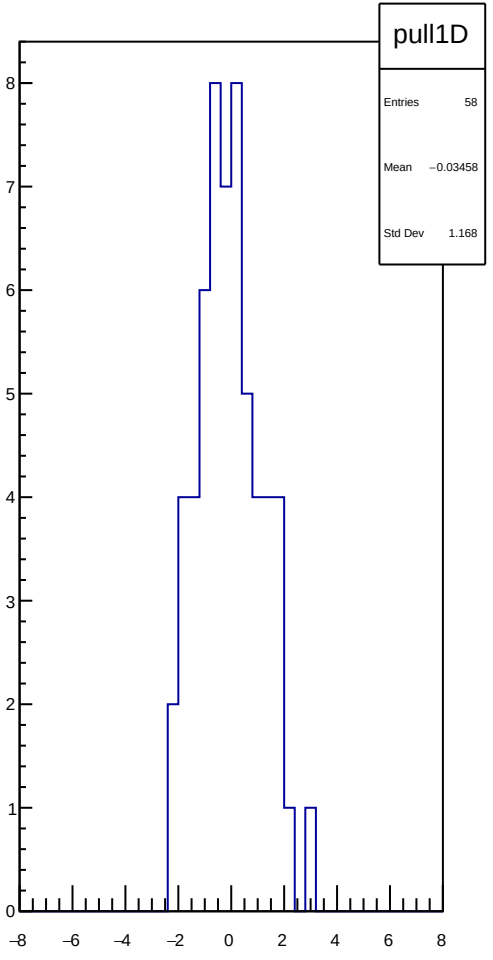

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

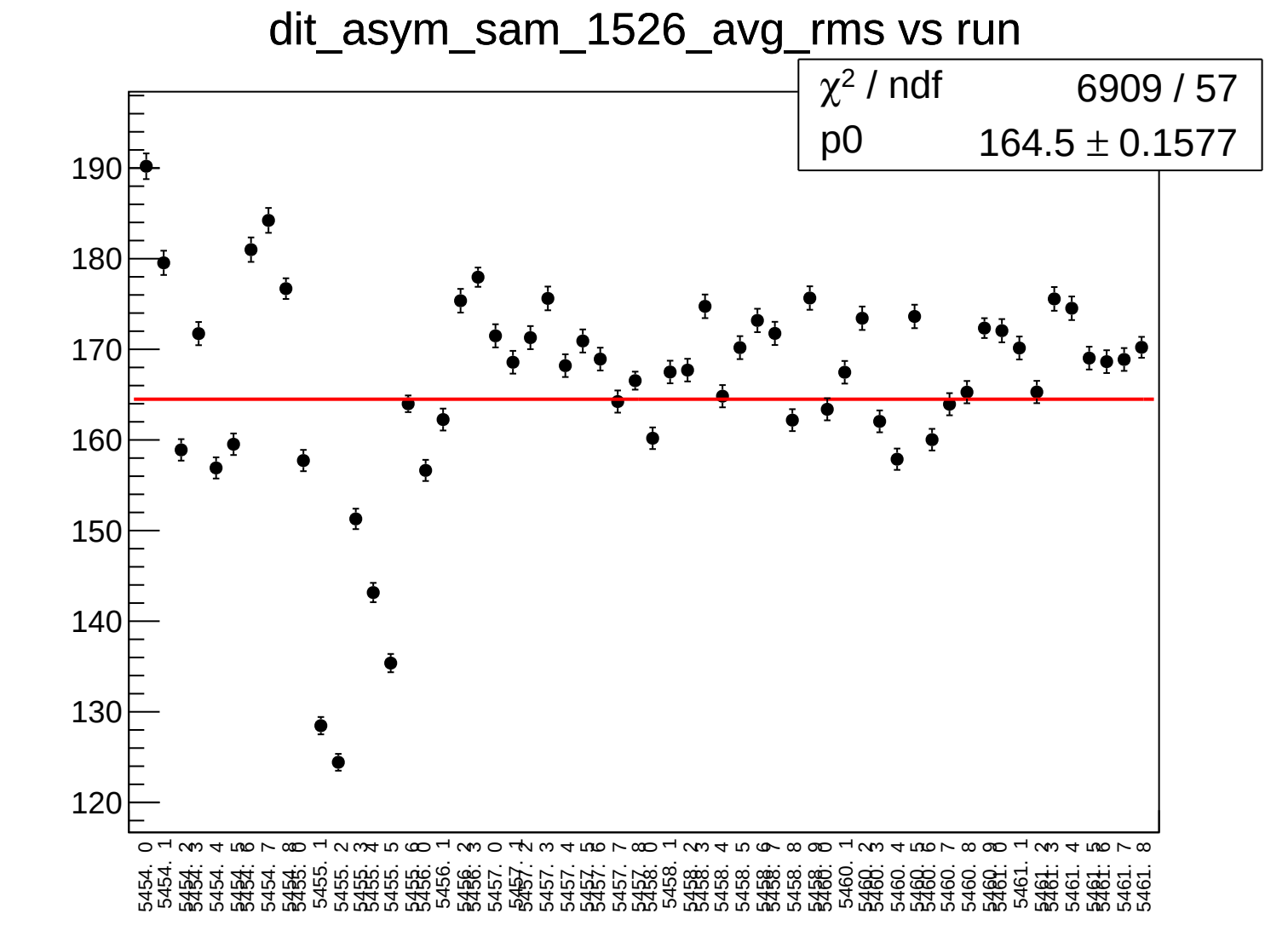

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

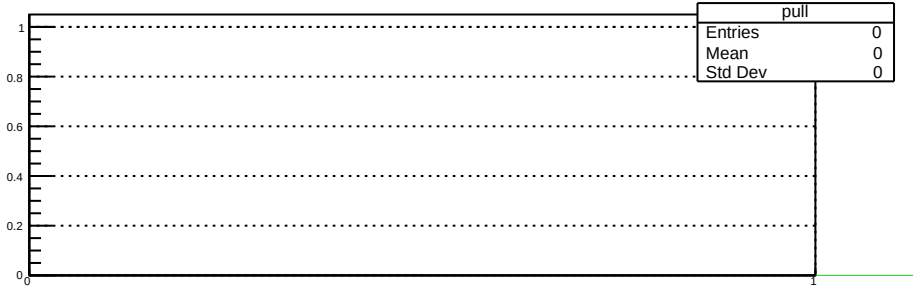

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

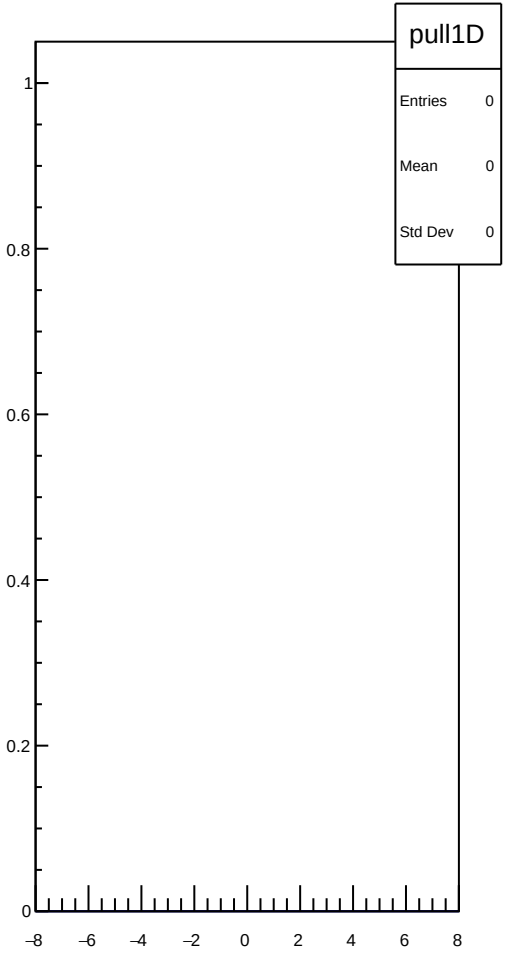

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

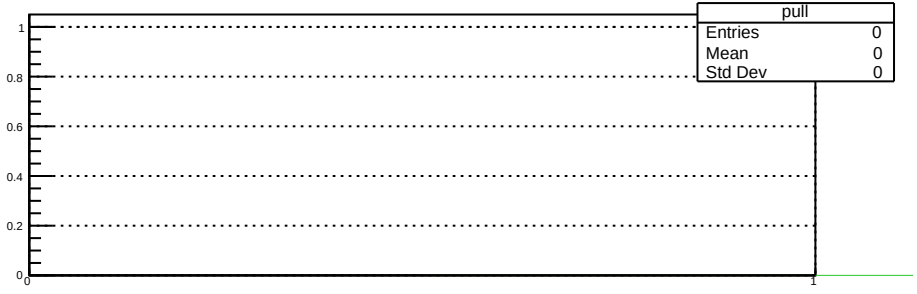

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 79.19 / 57
p0 −51.24 ± 223
pull
Entries 58
Mean 81.25
Std Dev 48.32

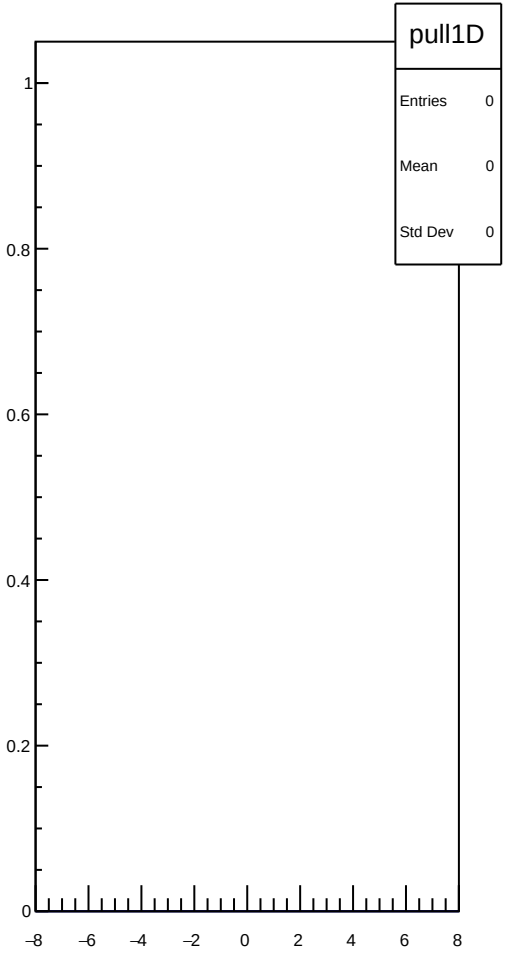

pull1D
Entries 58
Mean −0.03458
Std Dev 1.168

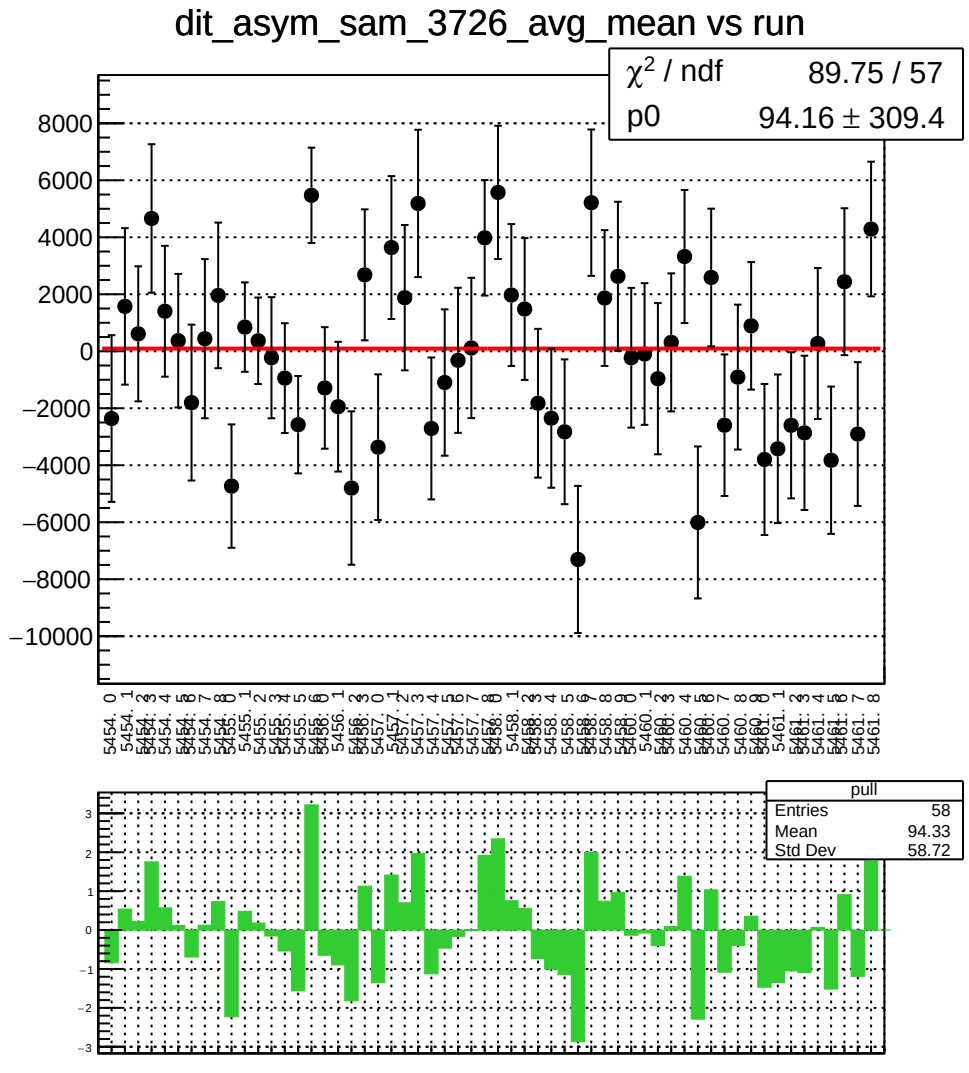

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6909 / 57
p0 164.5 ± 0.1577
190
180
170
160
150
140
130
120

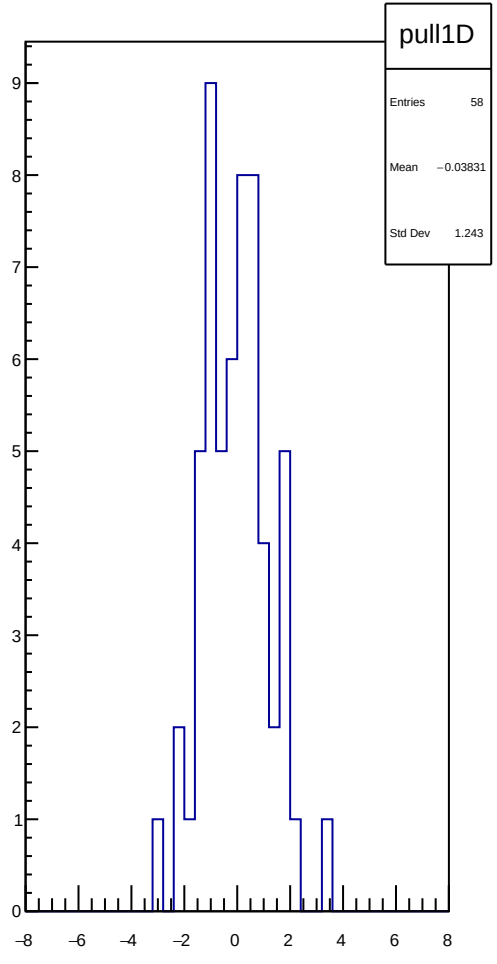

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

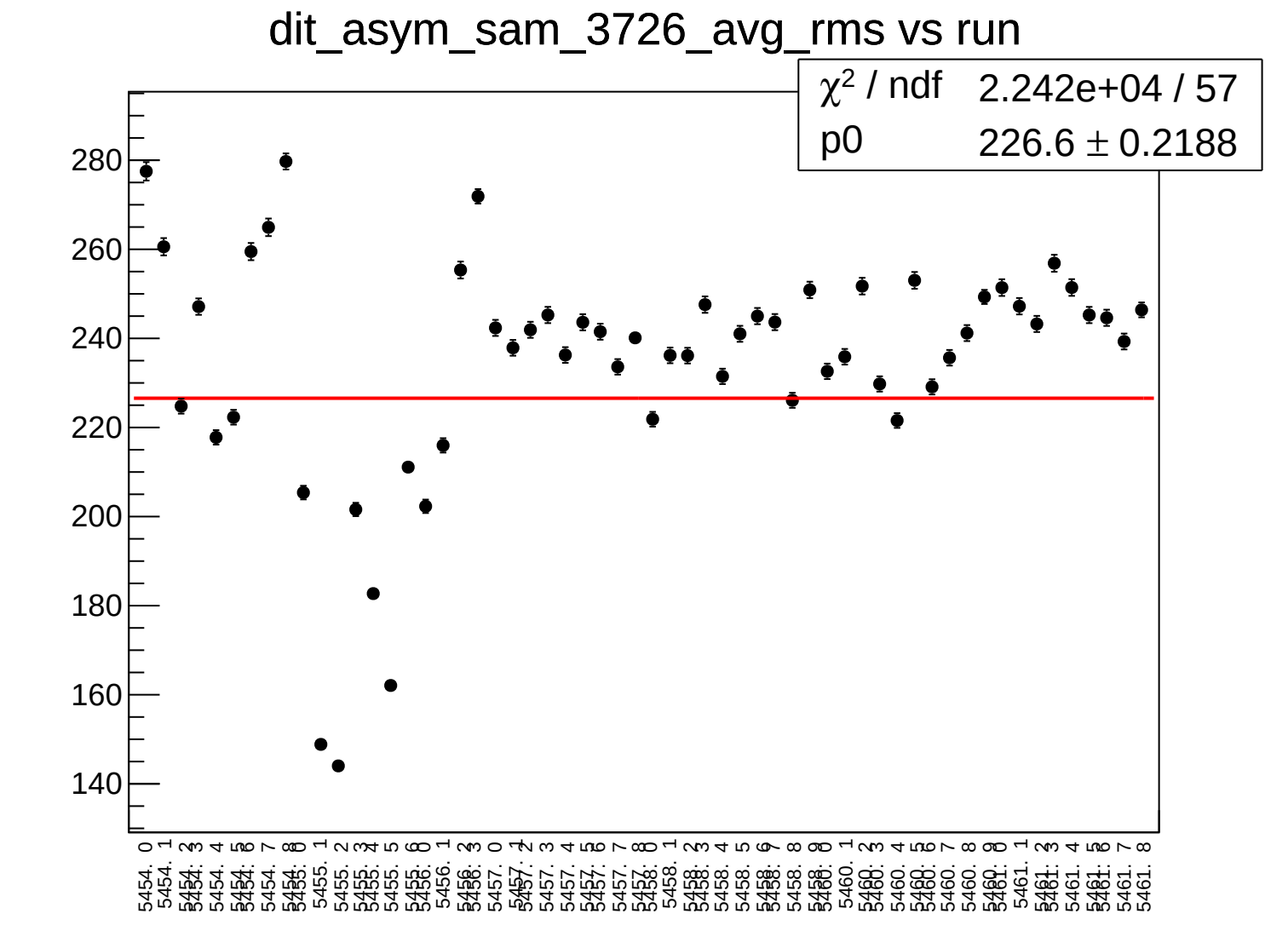

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

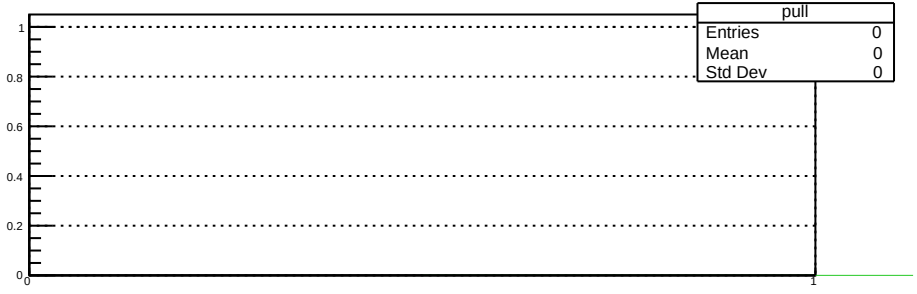

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

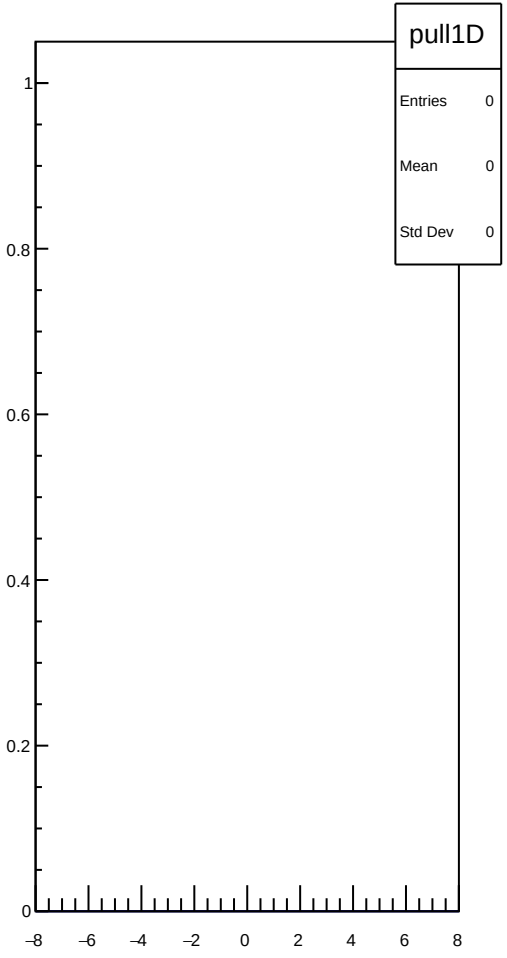

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

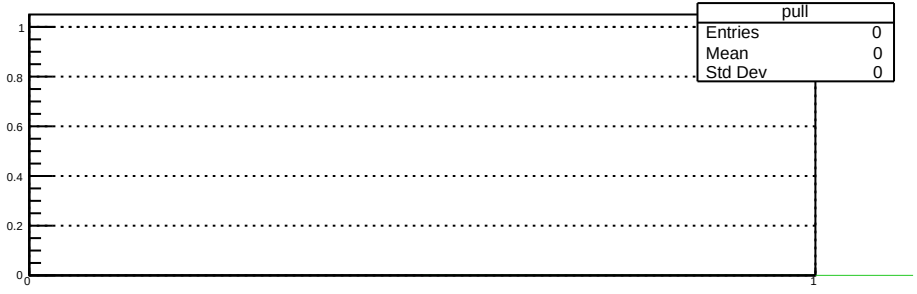

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 89.75 / 57
p0 94.16 ± 309.4
pull
Entries 58
Mean 94.33
Std Dev 58.72

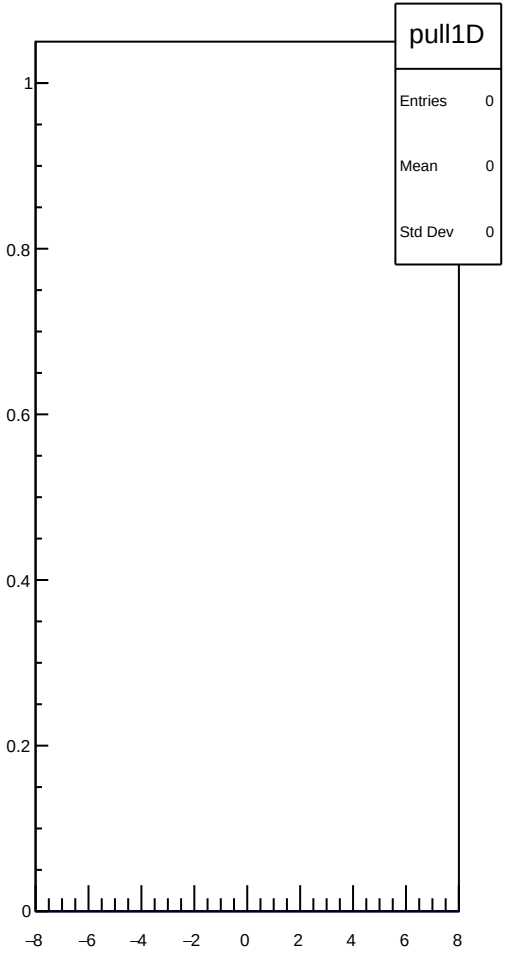

pull1D
Entries 58
Mean −0.03831
Std Dev 1.243

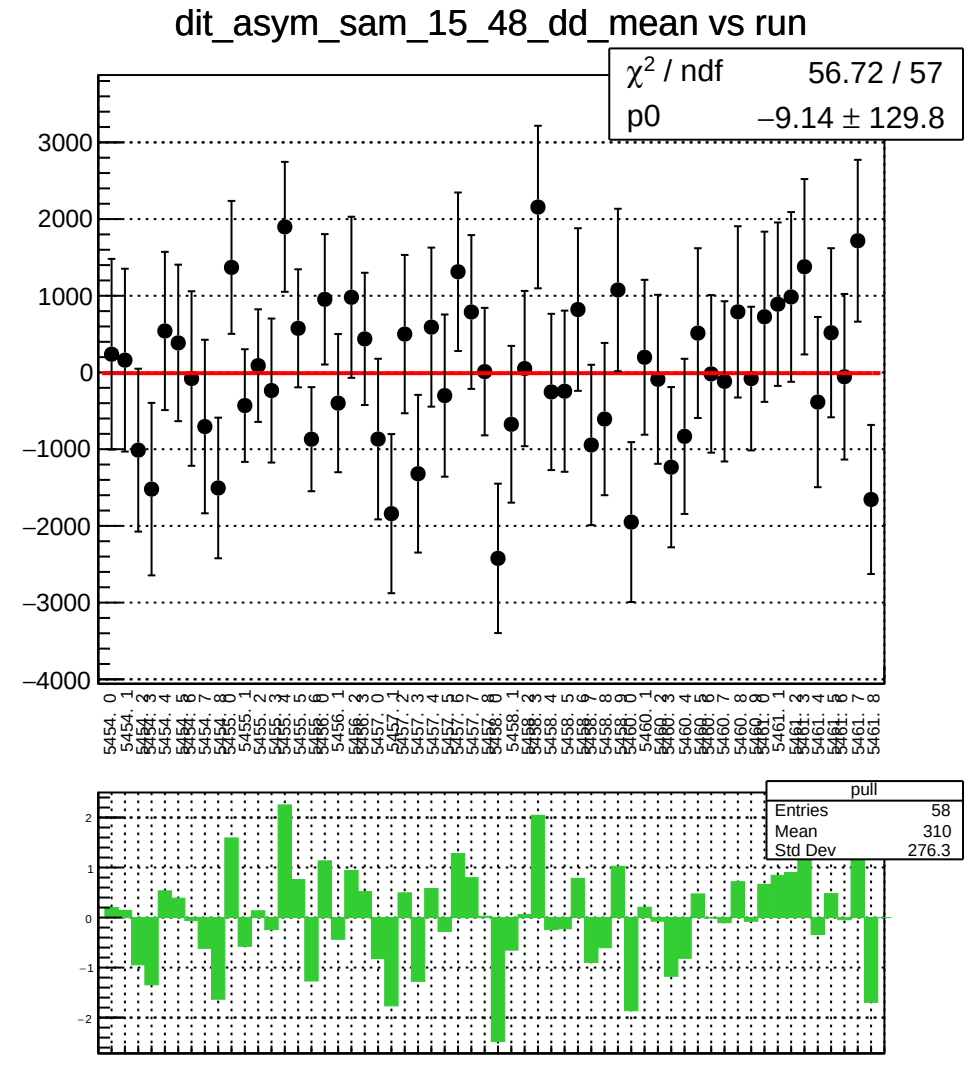

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.242e+04 / 57
p0 226.6 ± 0.2188
280
260
240
220
200
180
160
140

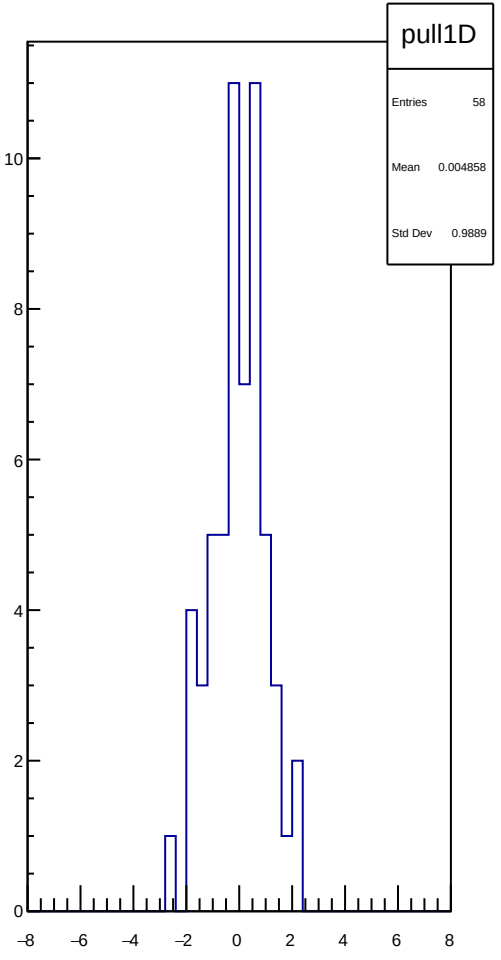

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

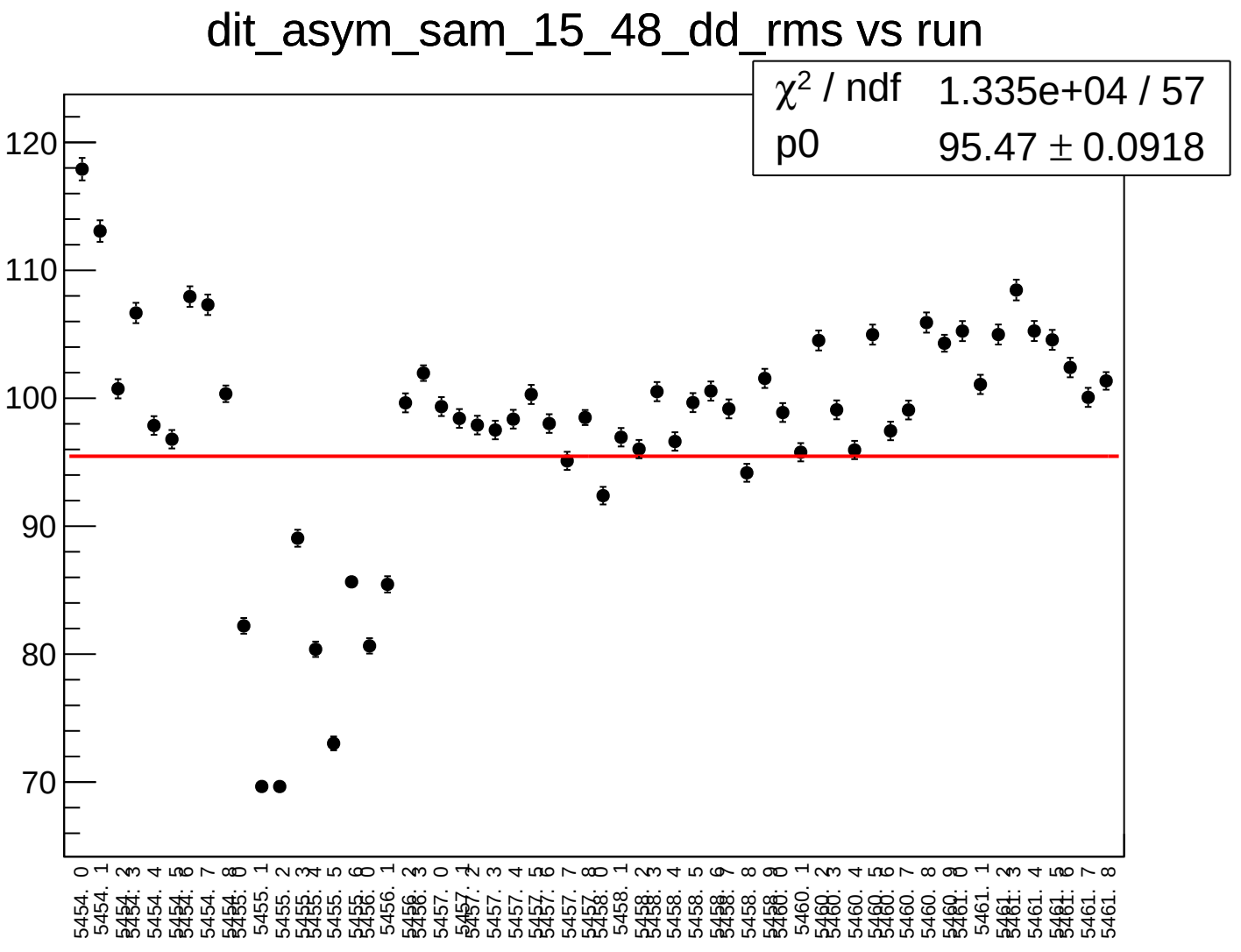

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

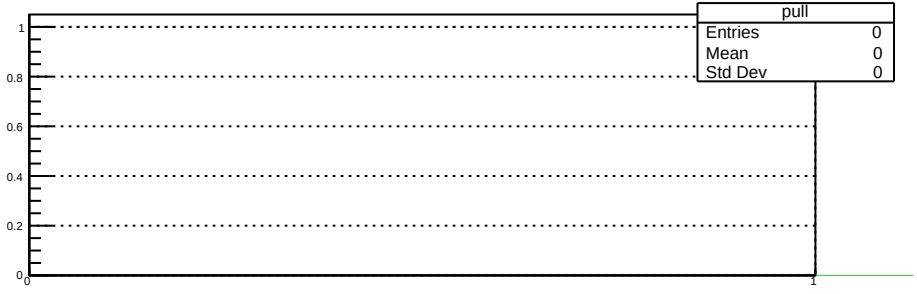

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

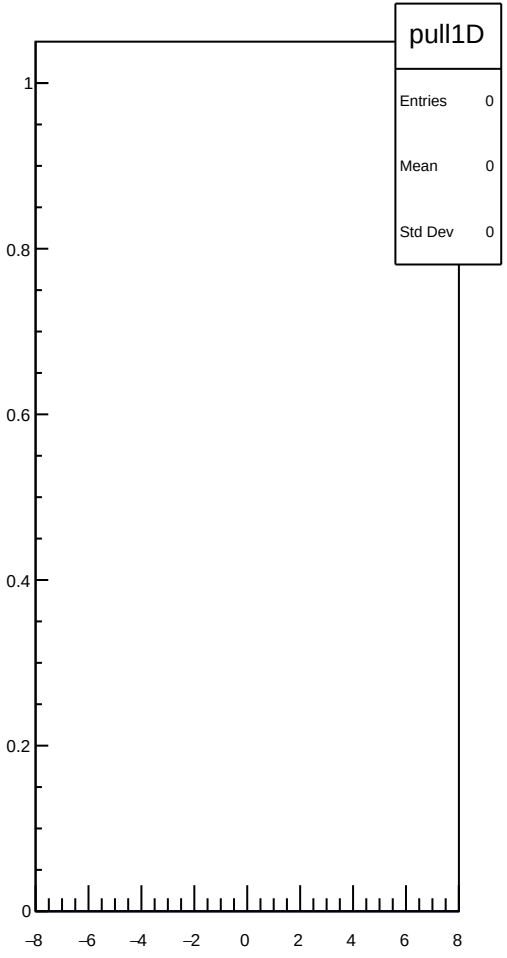

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

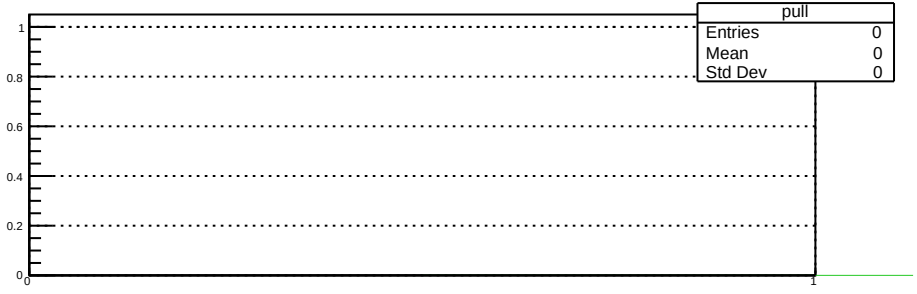

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 56.72 / 57
p0 −9.14 ± 129.8
pull
Entries 58
Mean 310
Std Dev 276.3

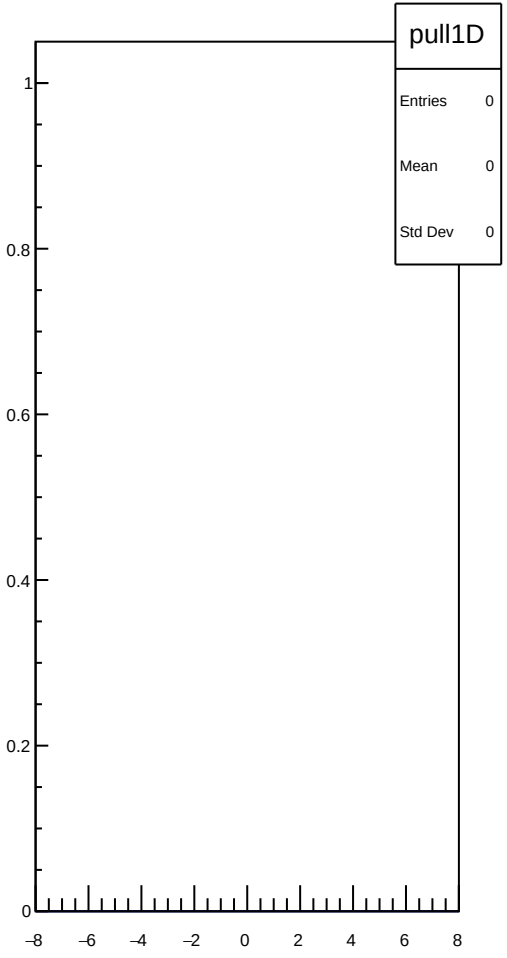

pull1D
Entries 58
Mean 0.004858
Std Dev 0.9889

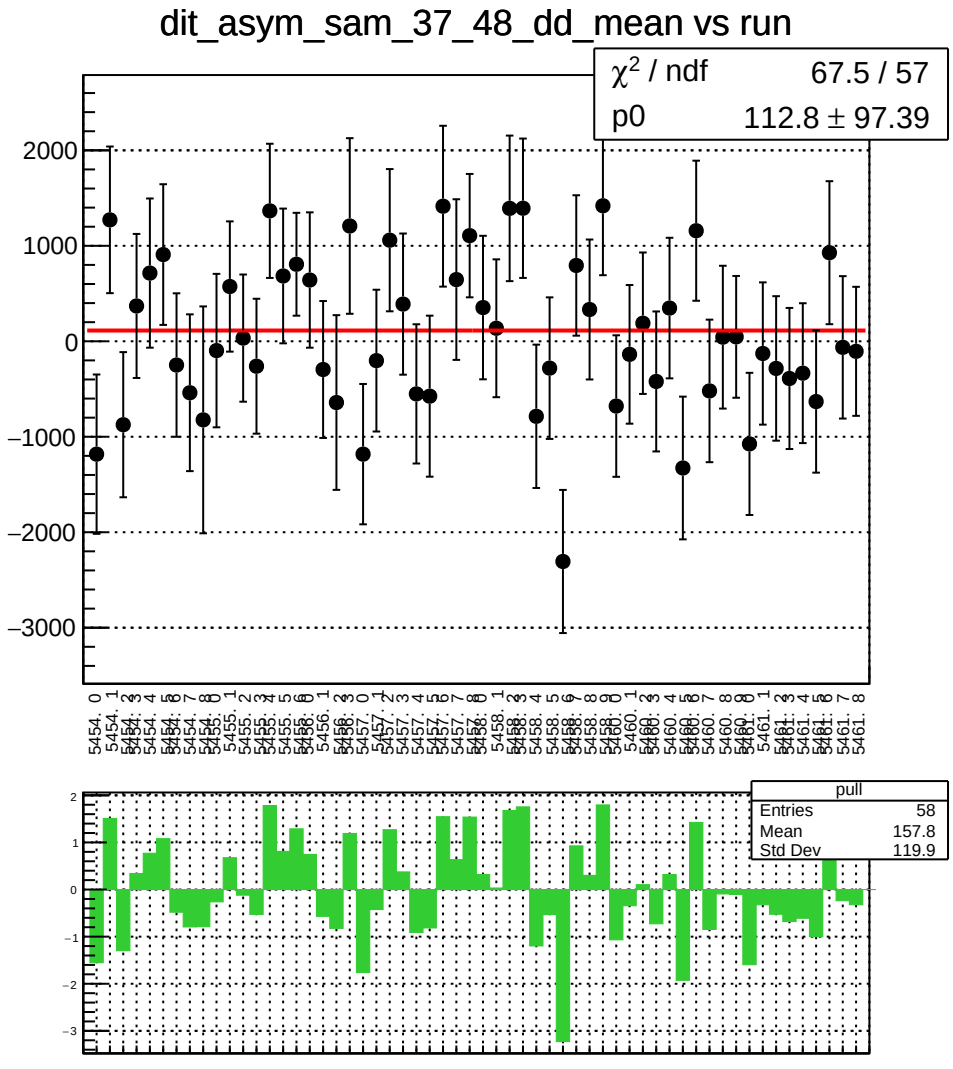

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.335e+04 / 57
p0 95.47 ± 0.0918
120
110
100
90
80
70

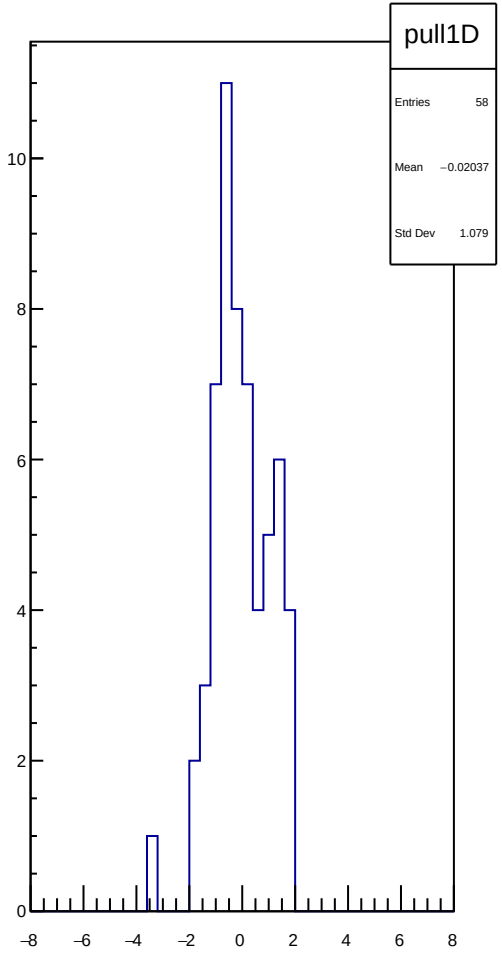

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

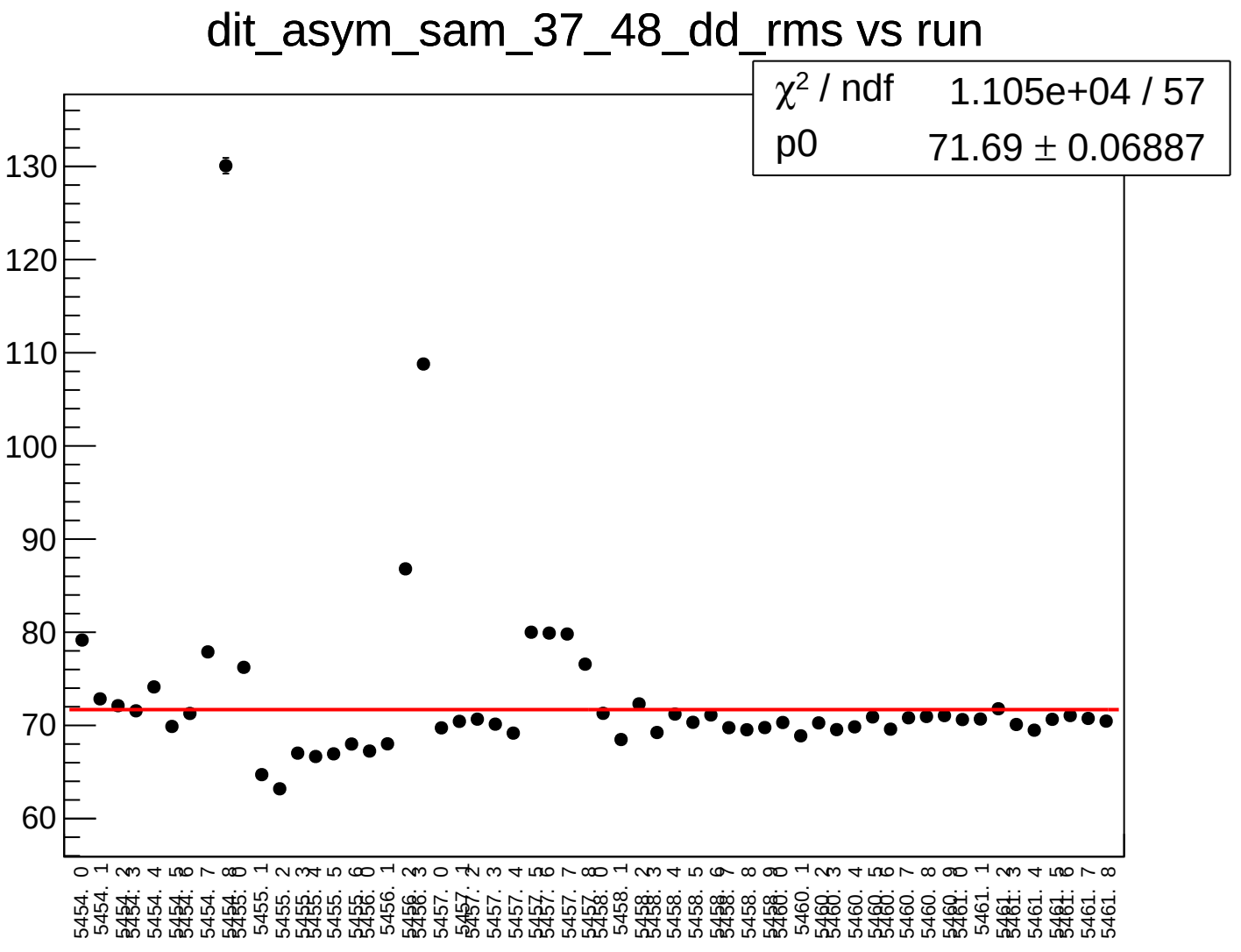

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

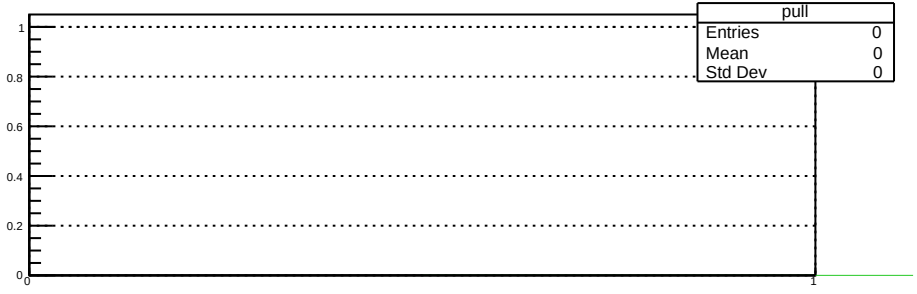

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

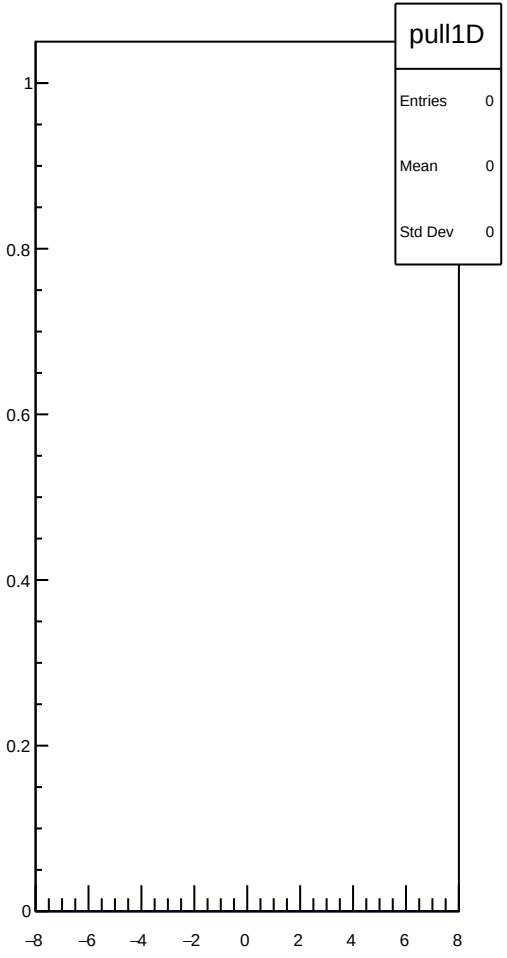

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

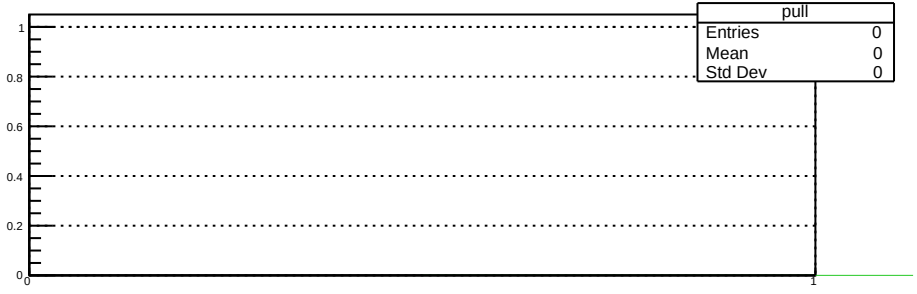

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 67.5 / 57
p0 112.8 ± 97.39
pull
Entries 58
Mean 157.8
Std Dev 119.9

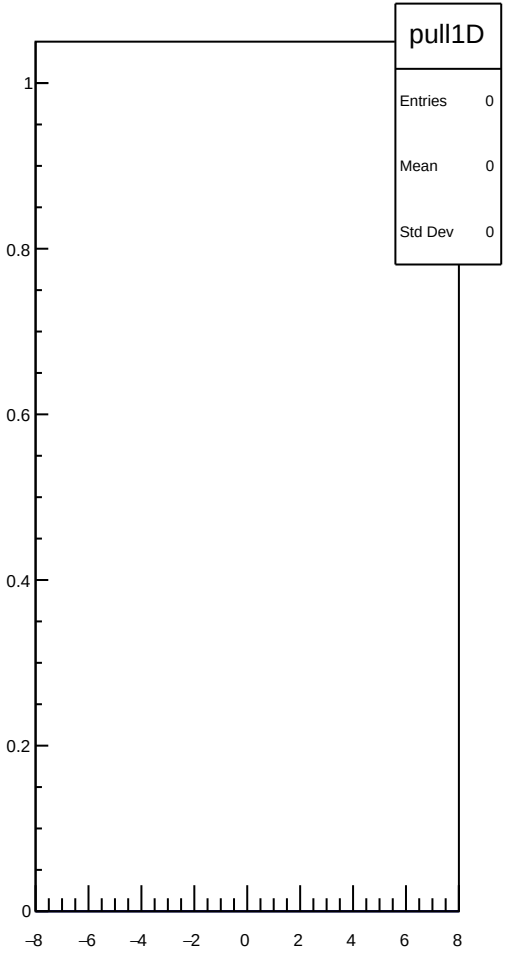

pull1D
Entries 58
Mean −0.02037
Std Dev 1.079

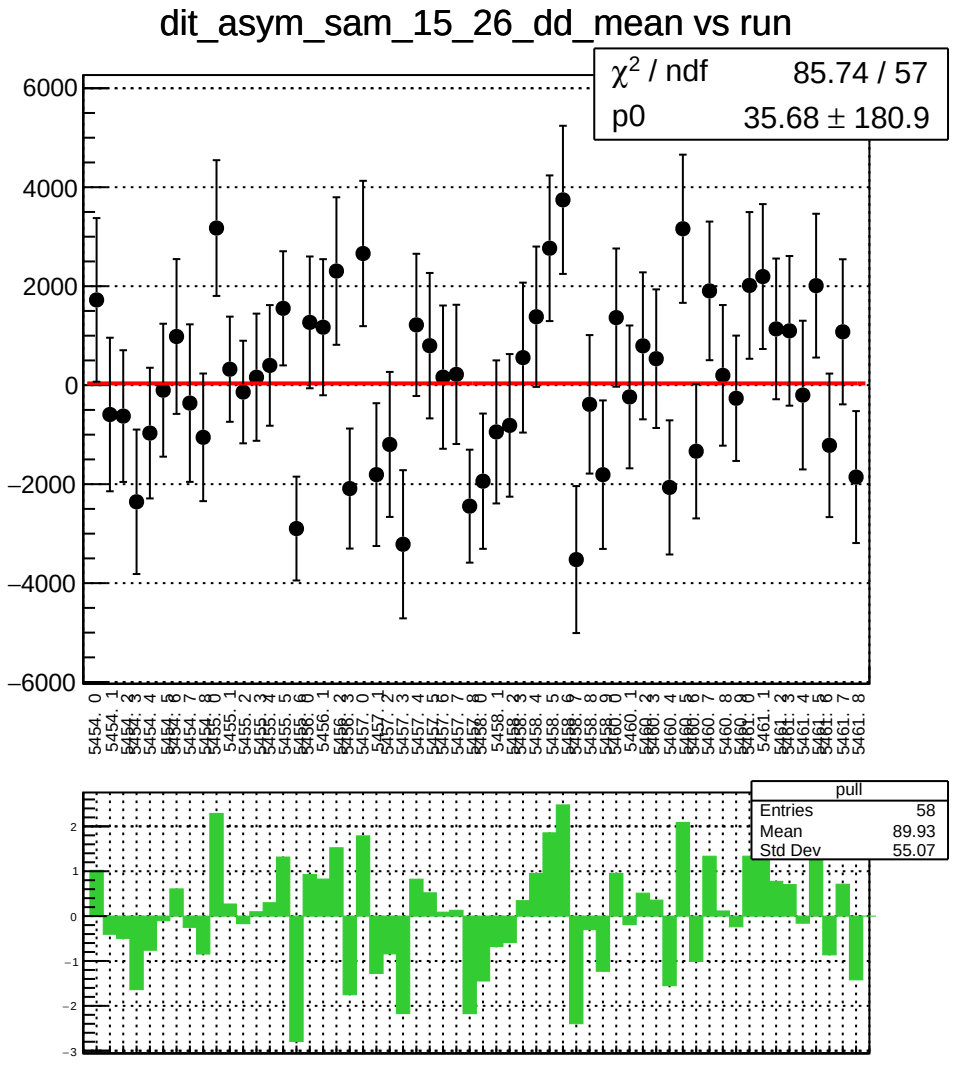

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.105e+04 / 57
p0 71.69 ± 0.06887
130
120
110
100
90
80
70
60

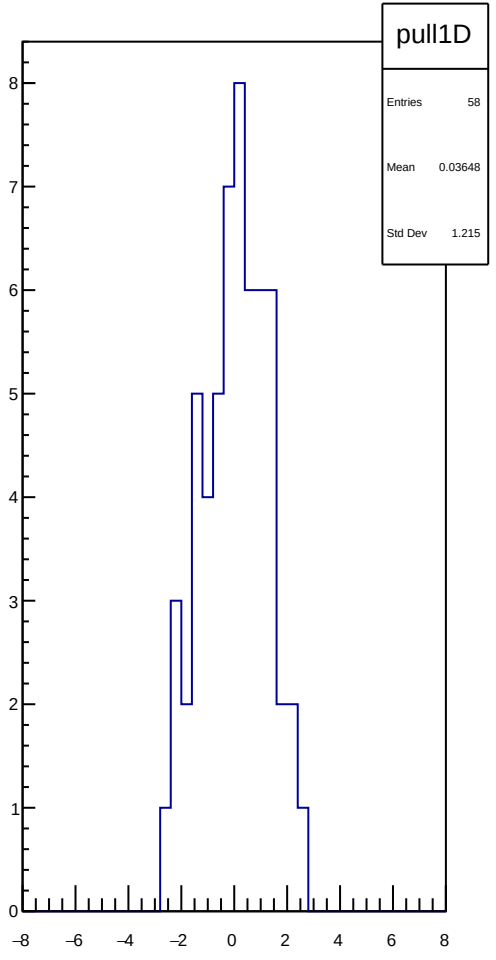

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

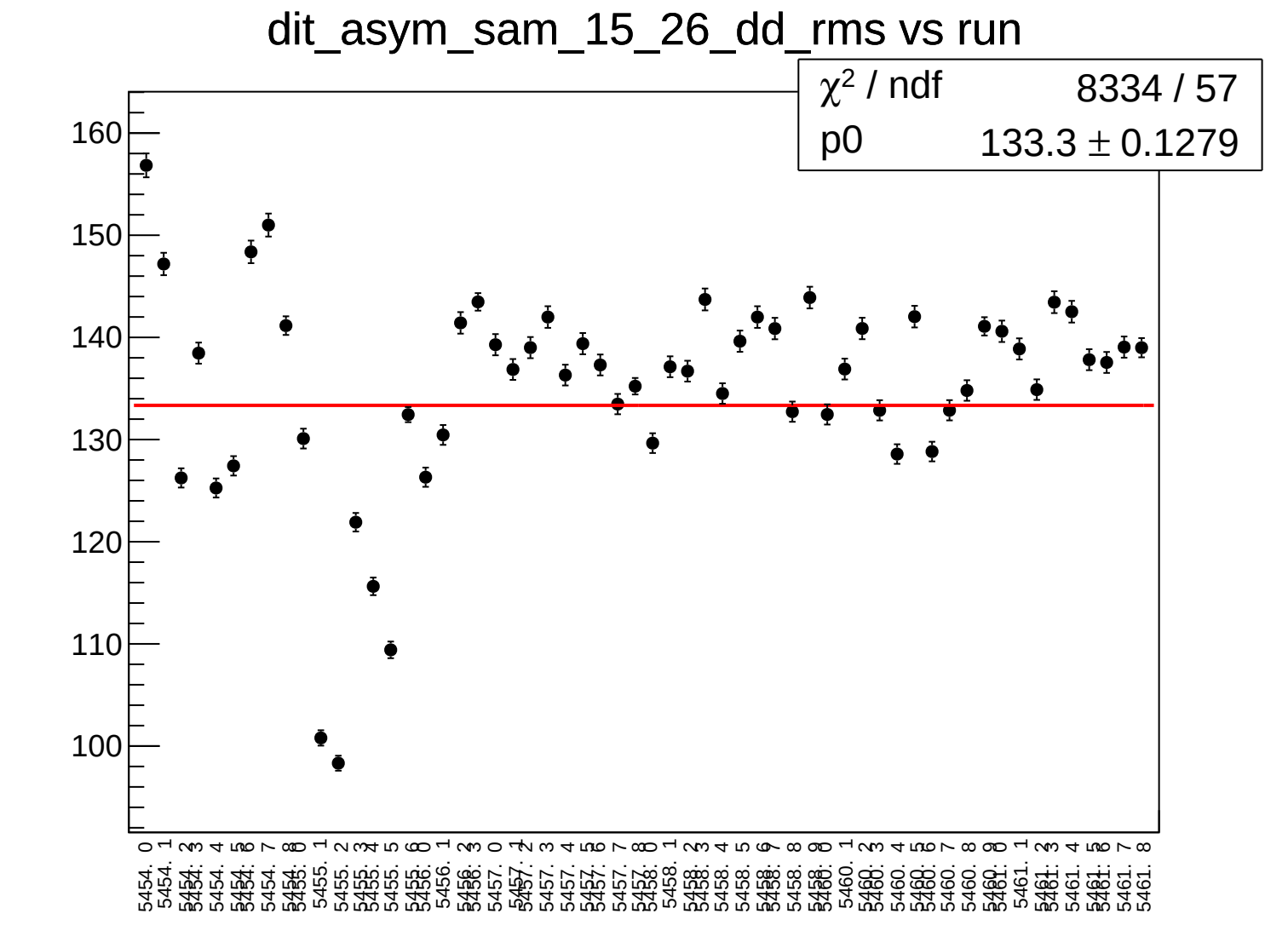

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

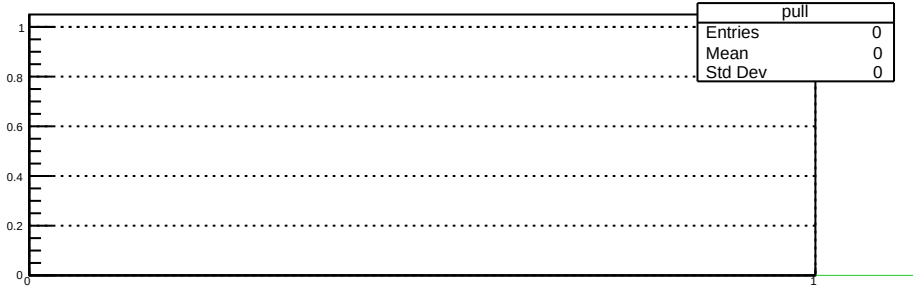

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

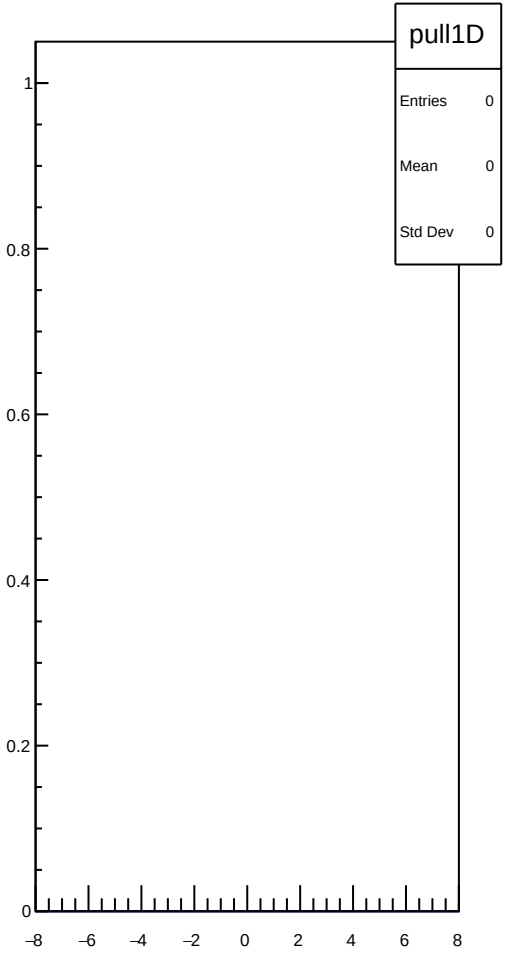

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

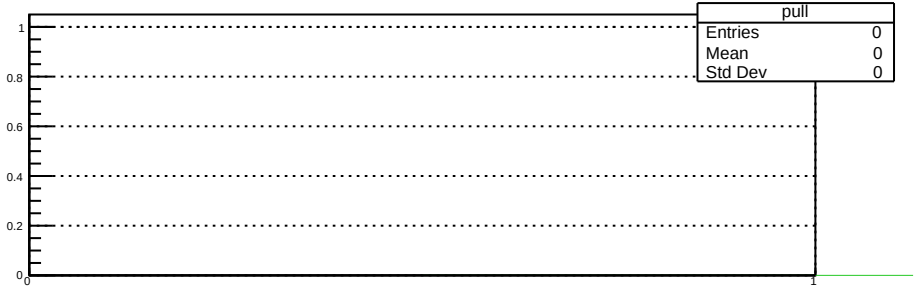

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 85.74 / 57
p0 35.68 ± 180.9
pull
Entries 58
Mean 89.93
Std Dev 55.07

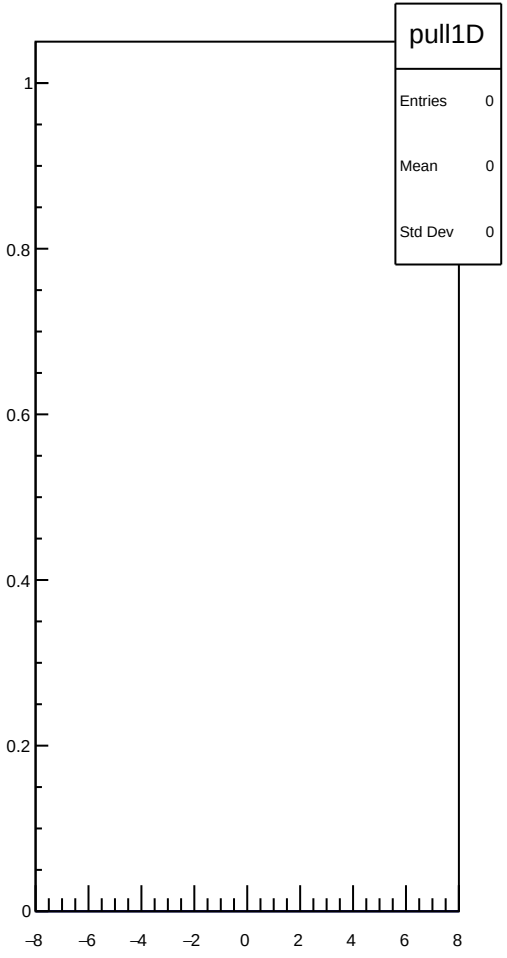

pull1D
Entries 58
Mean 0.03648
Std Dev 1.215

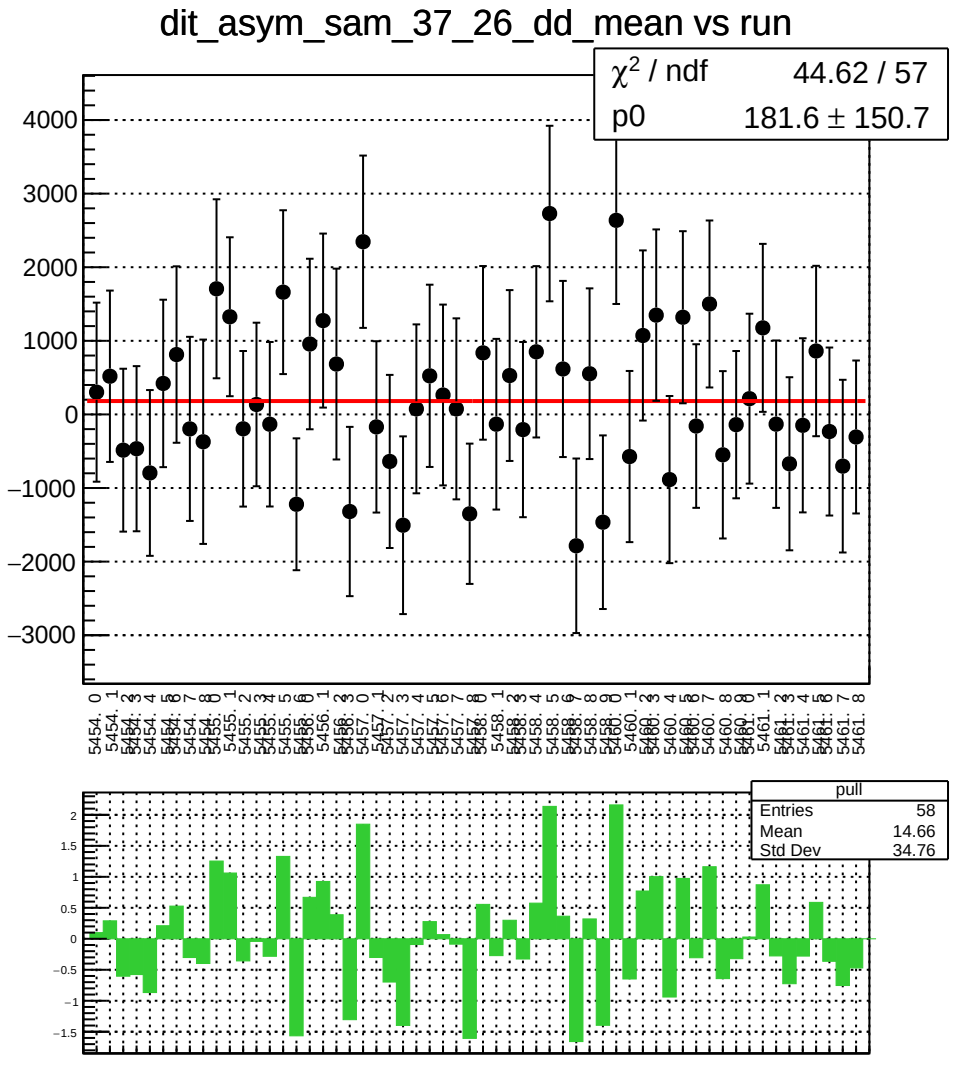

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 8334 / 57
p0 133.3 ± 0.1279
160
150
140
130
120
110
100

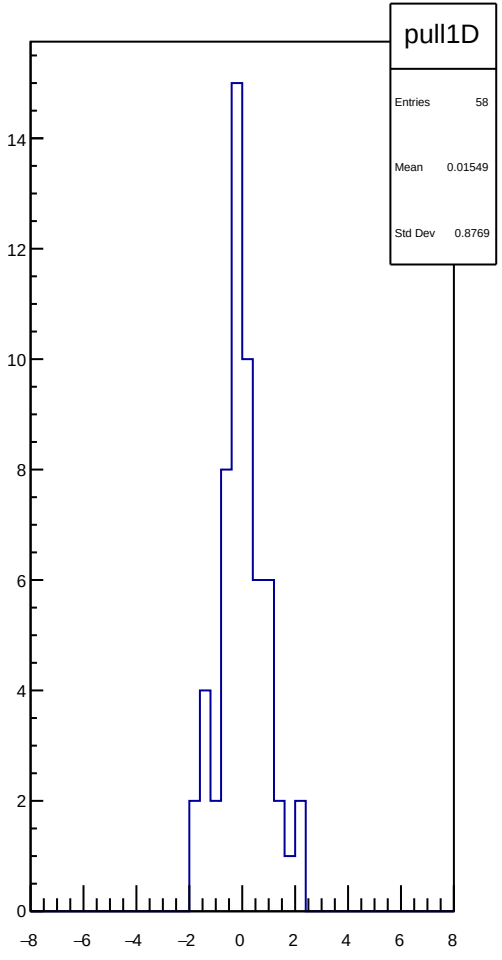

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

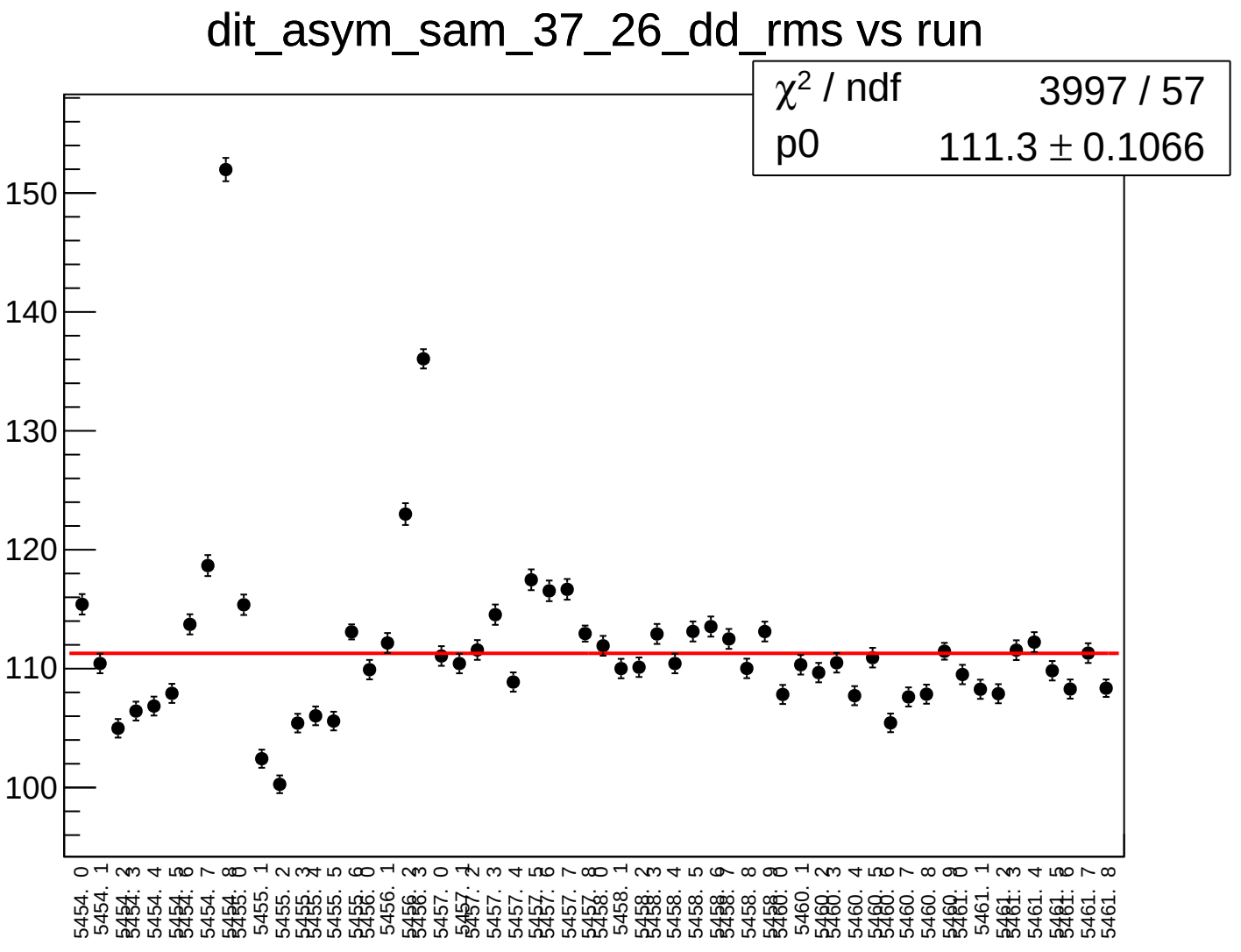

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

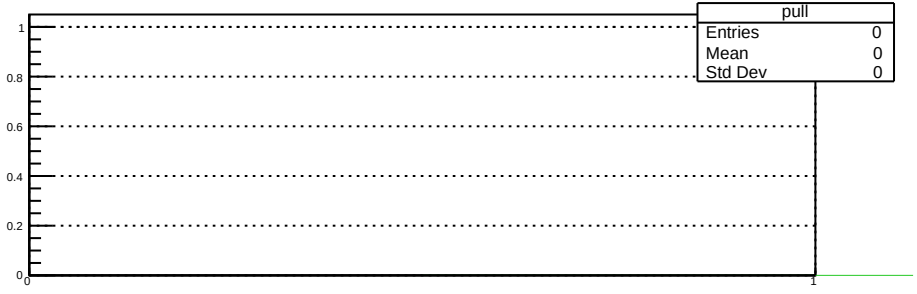

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

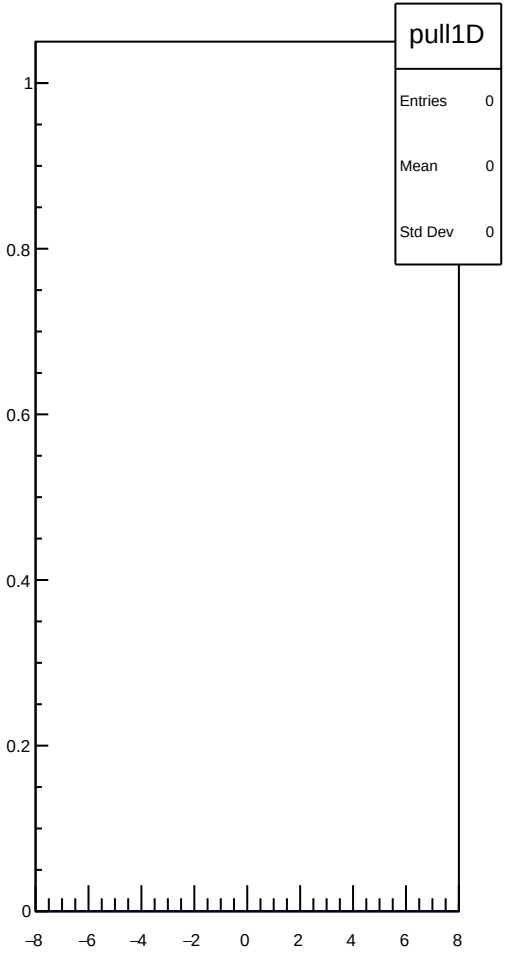

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

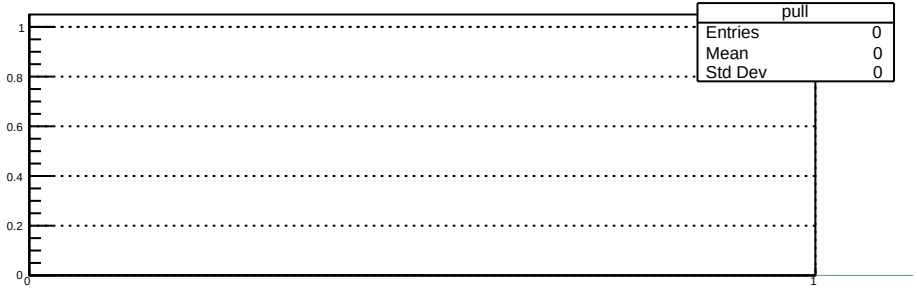

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 44.62 / 57
p0 181.6 ± 150.7
pull
Entries 58
Mean 14.66
Std Dev 34.76

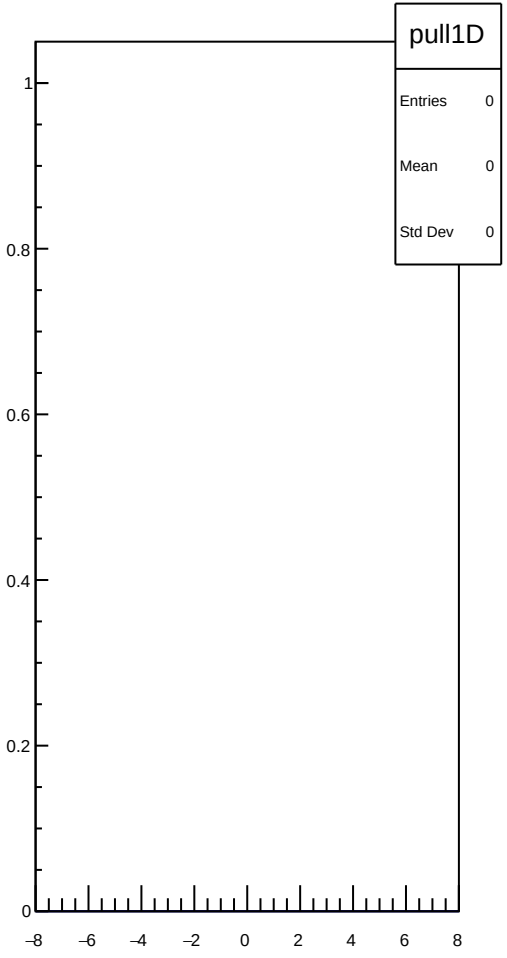

pull1D
Entries 58
Mean 0.01549
Std Dev 0.8769

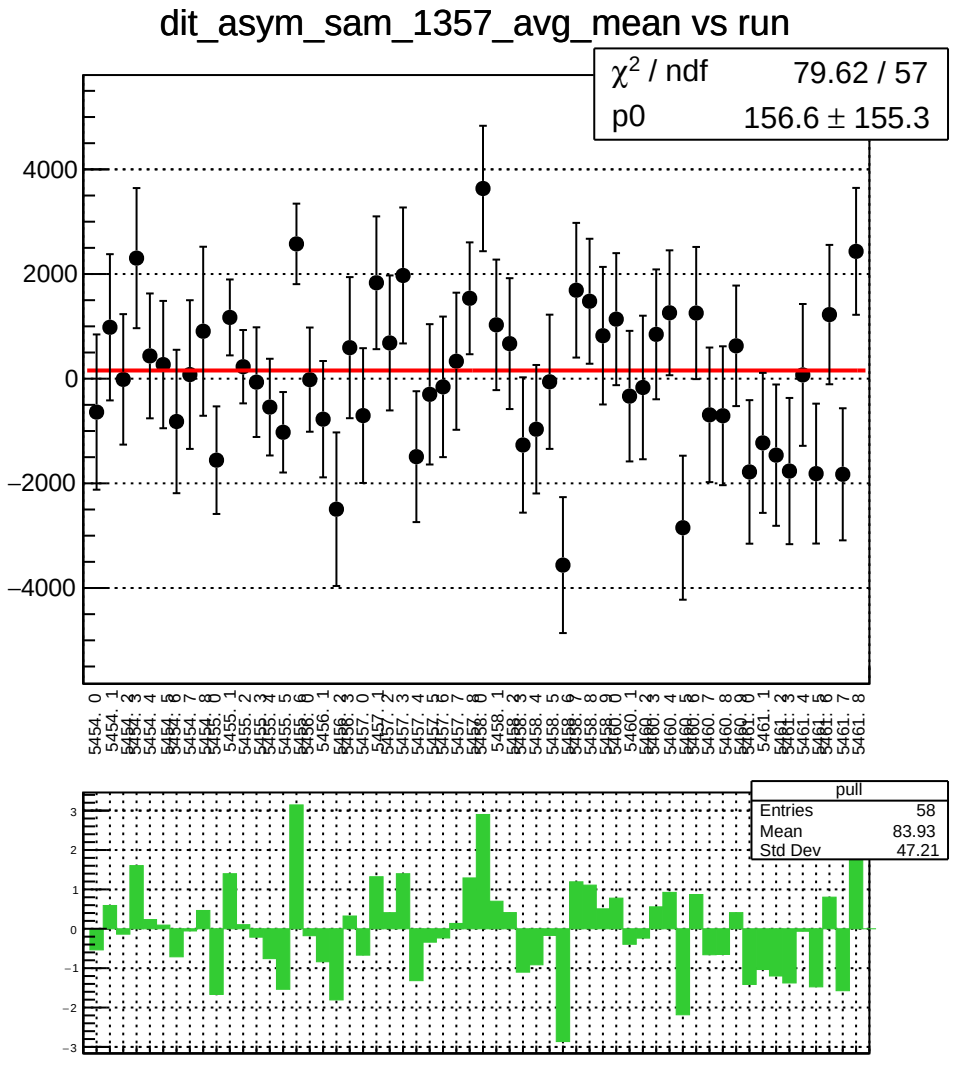

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 3997 / 57
p0 111.3 ± 0.1066
150
140
130
120
110
100

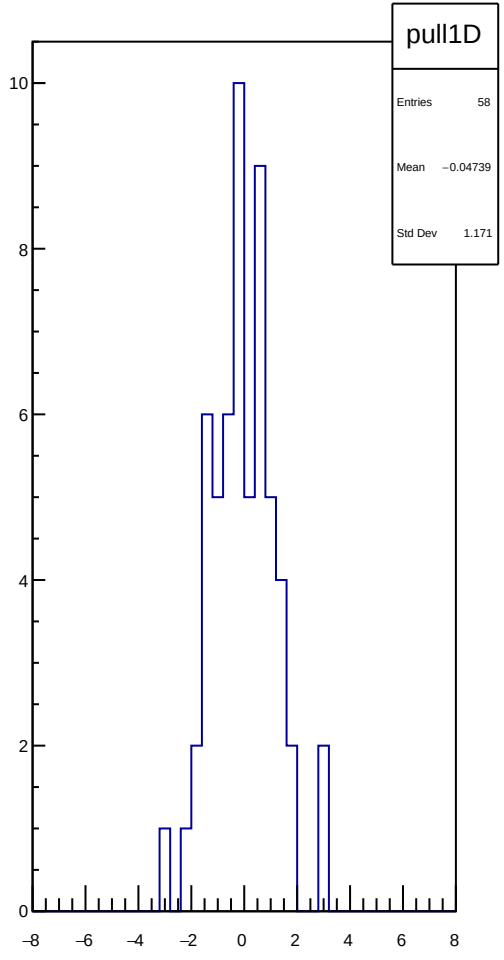

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

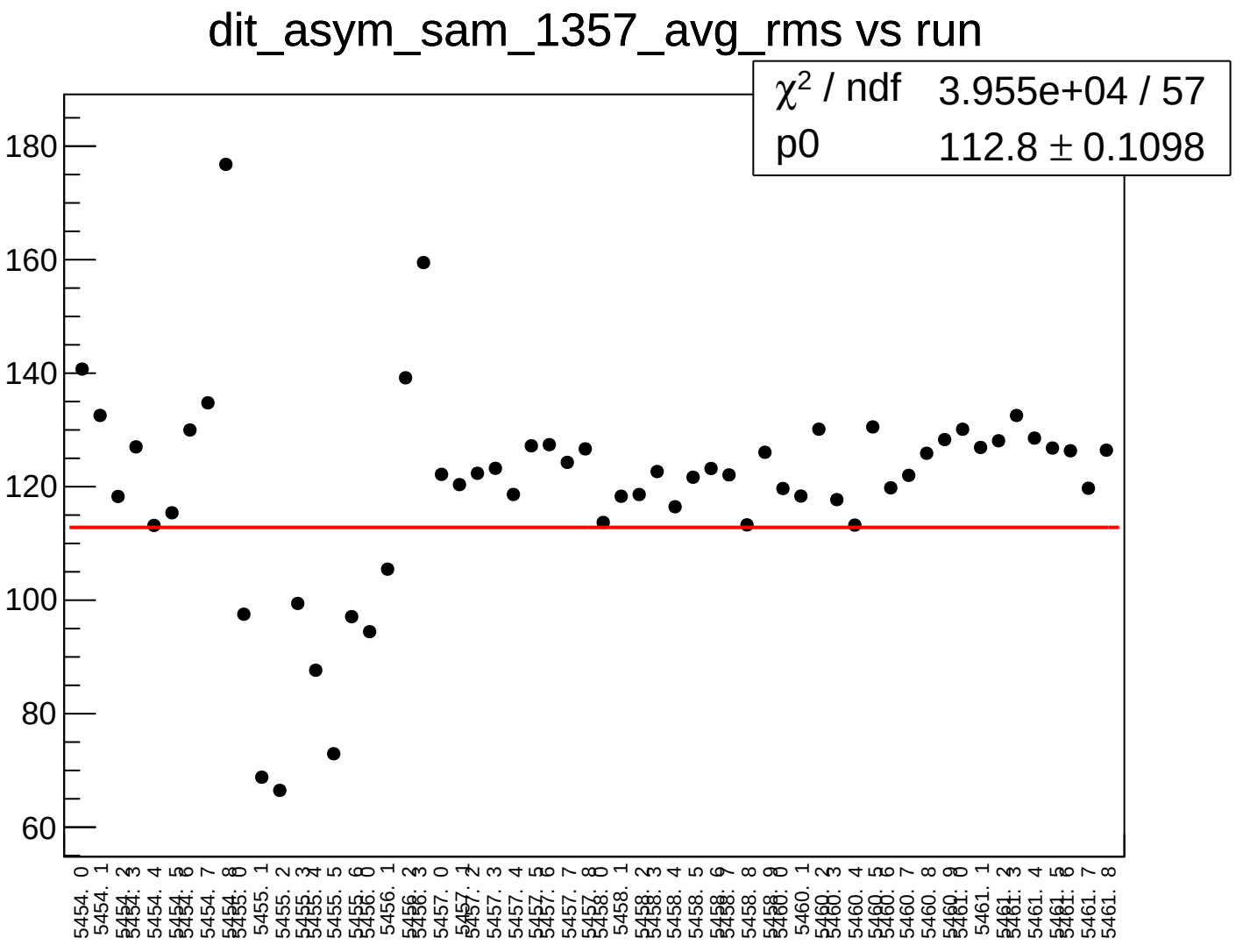

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

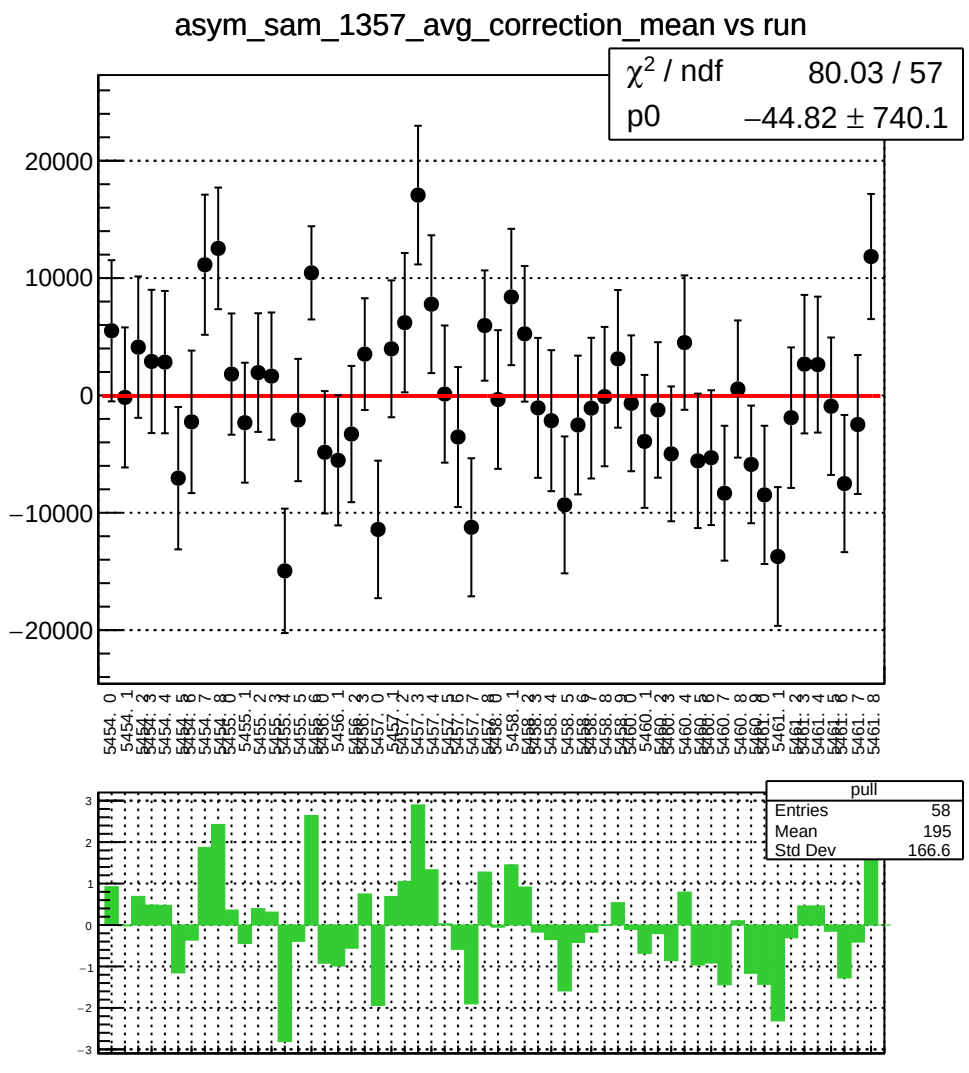

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

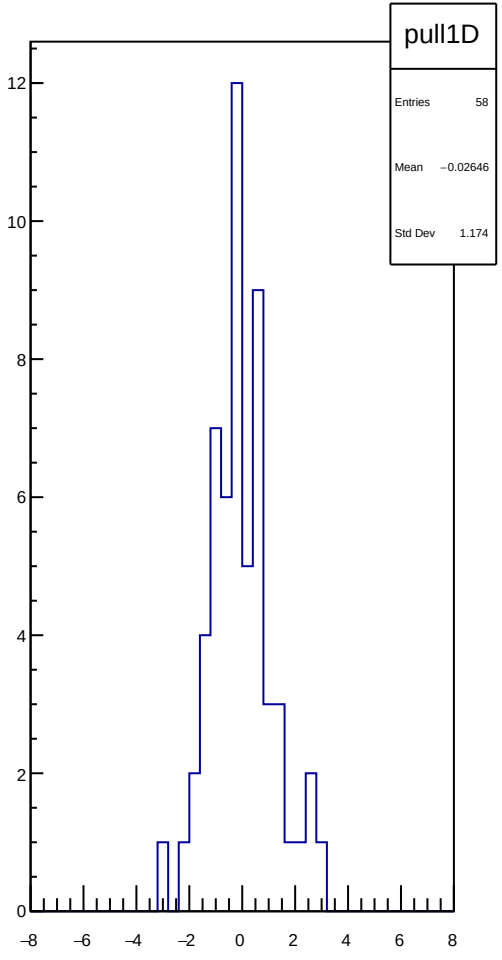

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

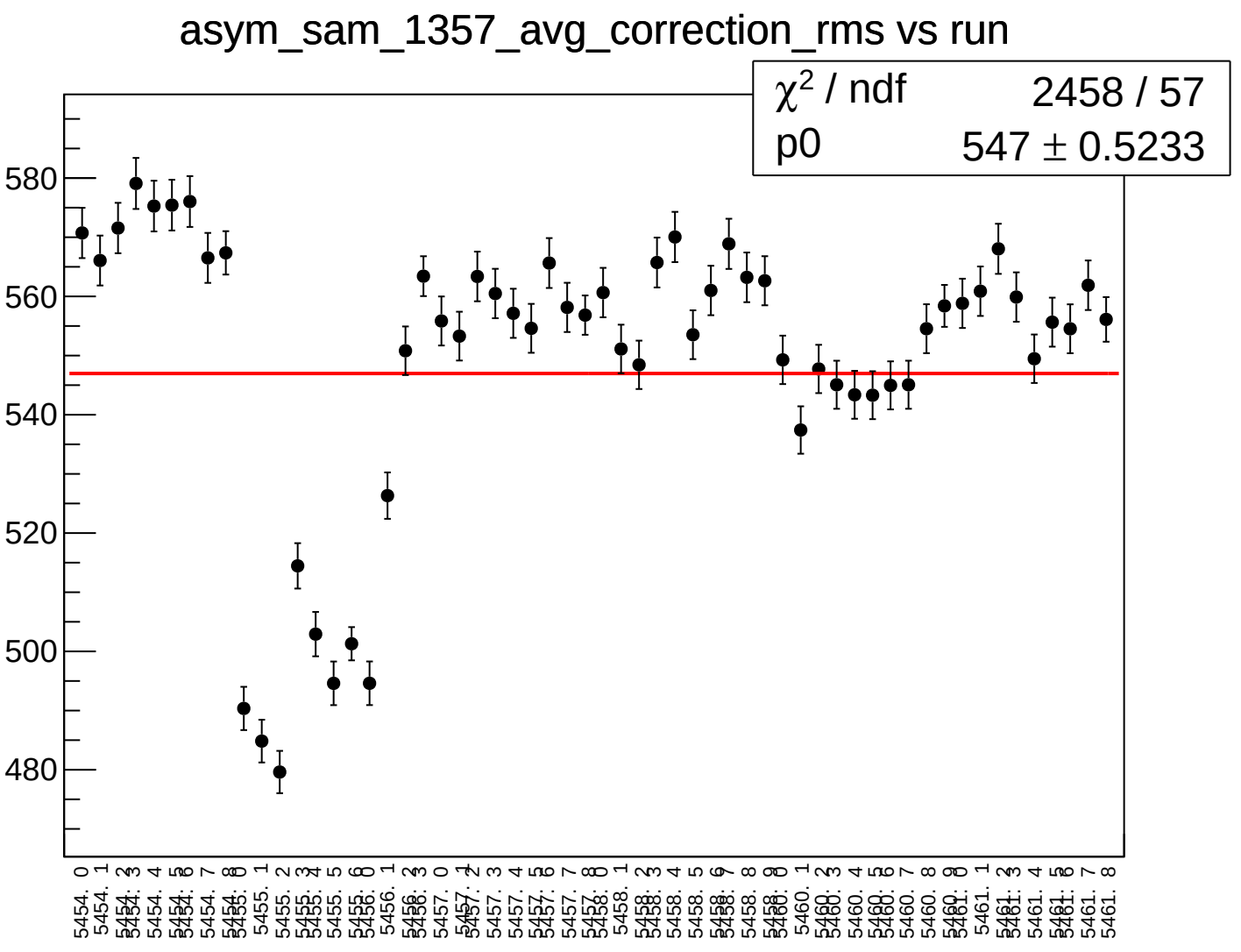

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 79.62 / 57
p0 156.6 ± 155.3
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 83.93
Std Dev 47.21
3
2
1
0
−1
−2
−3

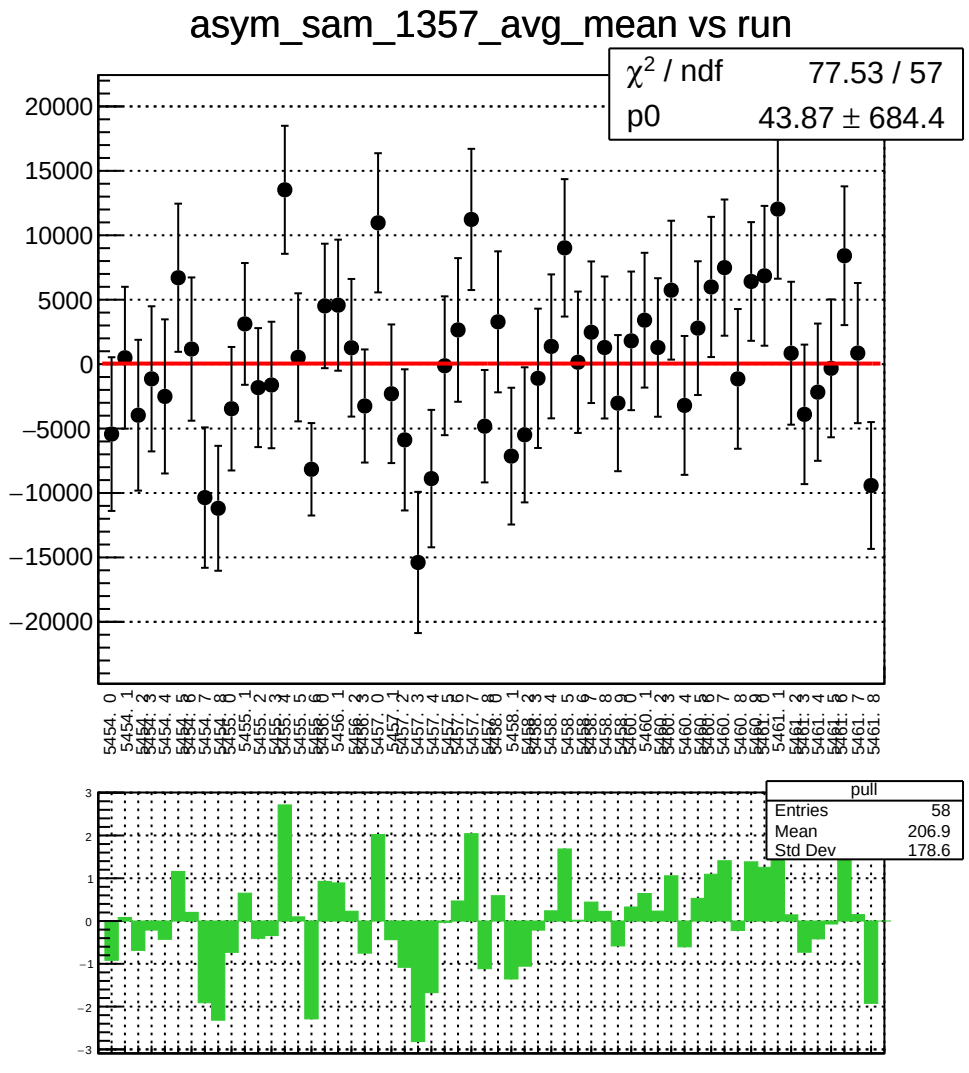

pull1D
Entries 58
Mean −0.04739
Std Dev 1.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

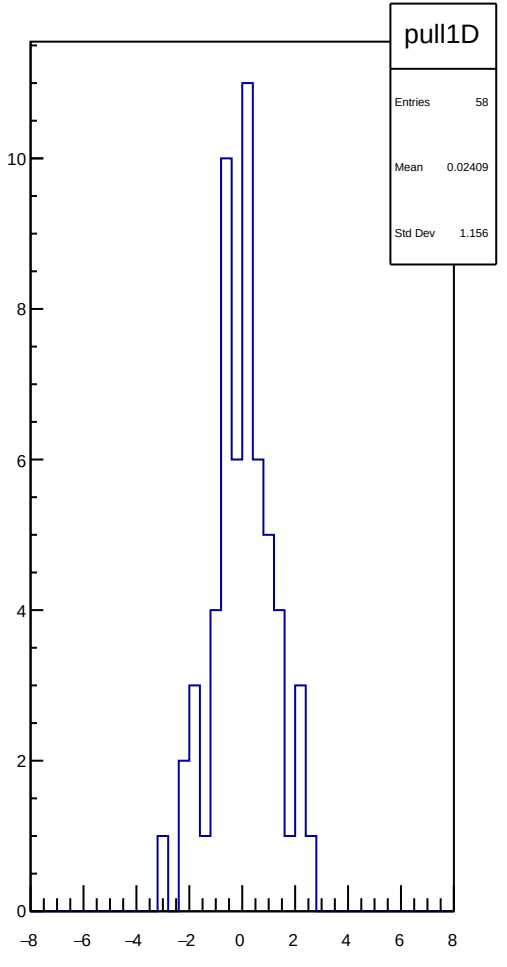

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.955e+04 / 57
p0 112.8 ± 0.1098
180
160
140
120
100
80
60

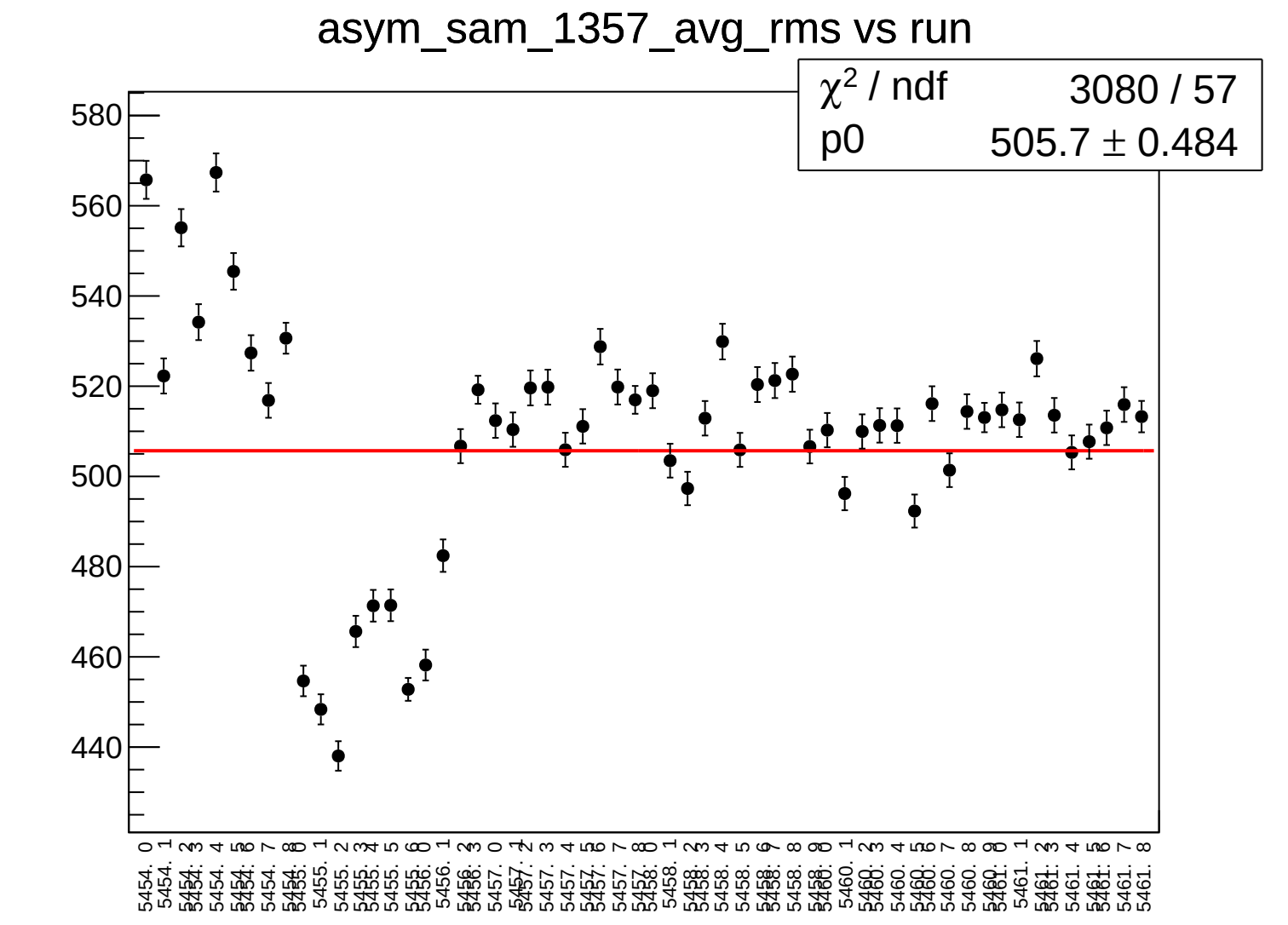

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 80.03 / 57
p0 −44.82 ± 740.1
20000
10000
0
−10000
−20000
pull
Entries 58
Mean 195
Std Dev 166.6
3
2
1
0
−1
−2
−3

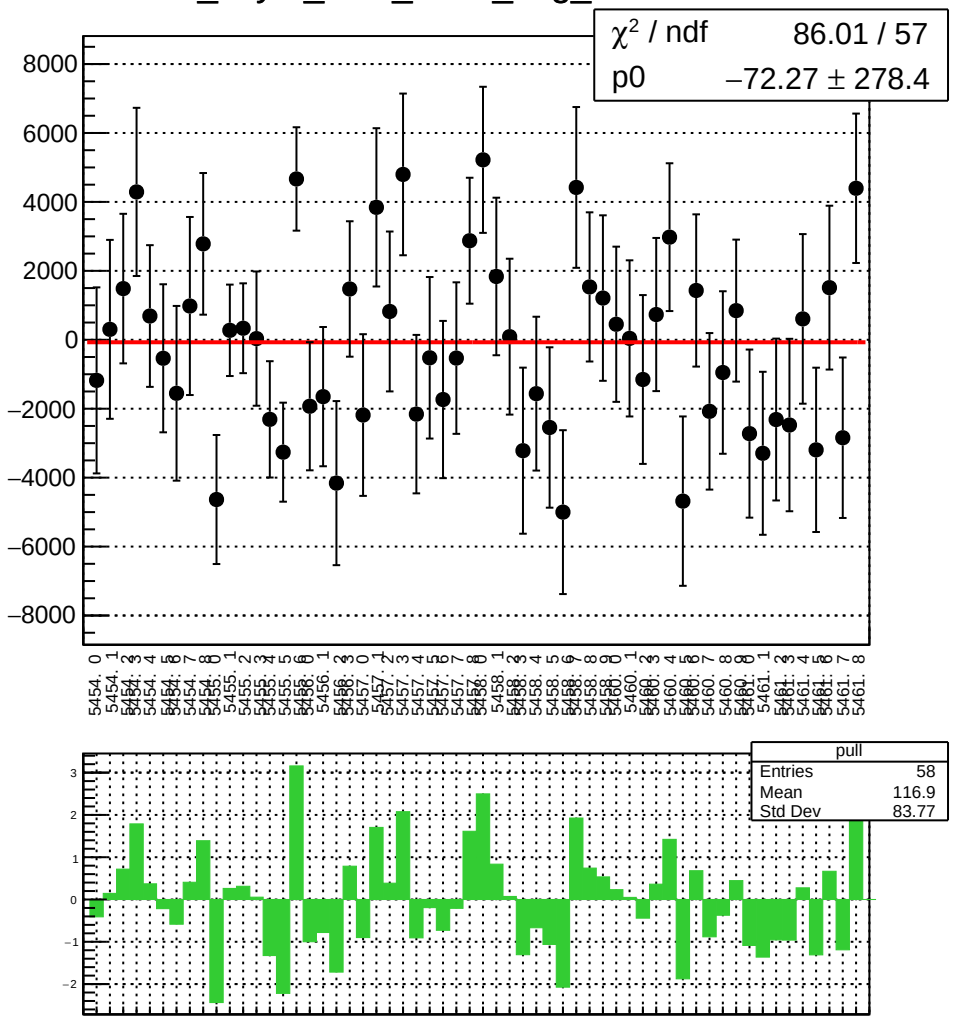

pull1D
Entries 58
Mean −0.02646
Std Dev 1.174
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

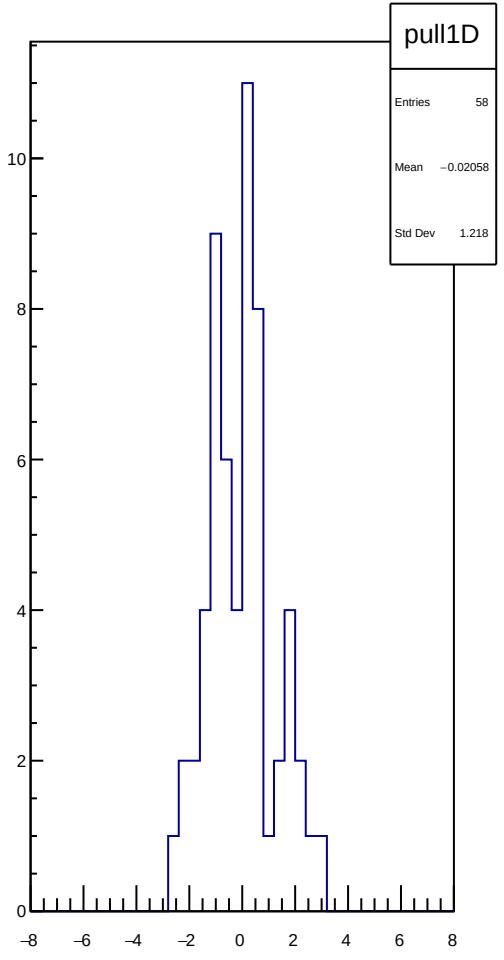

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2458 / 57
p0 547 ± 0.5233
580
560
540
520
500
480

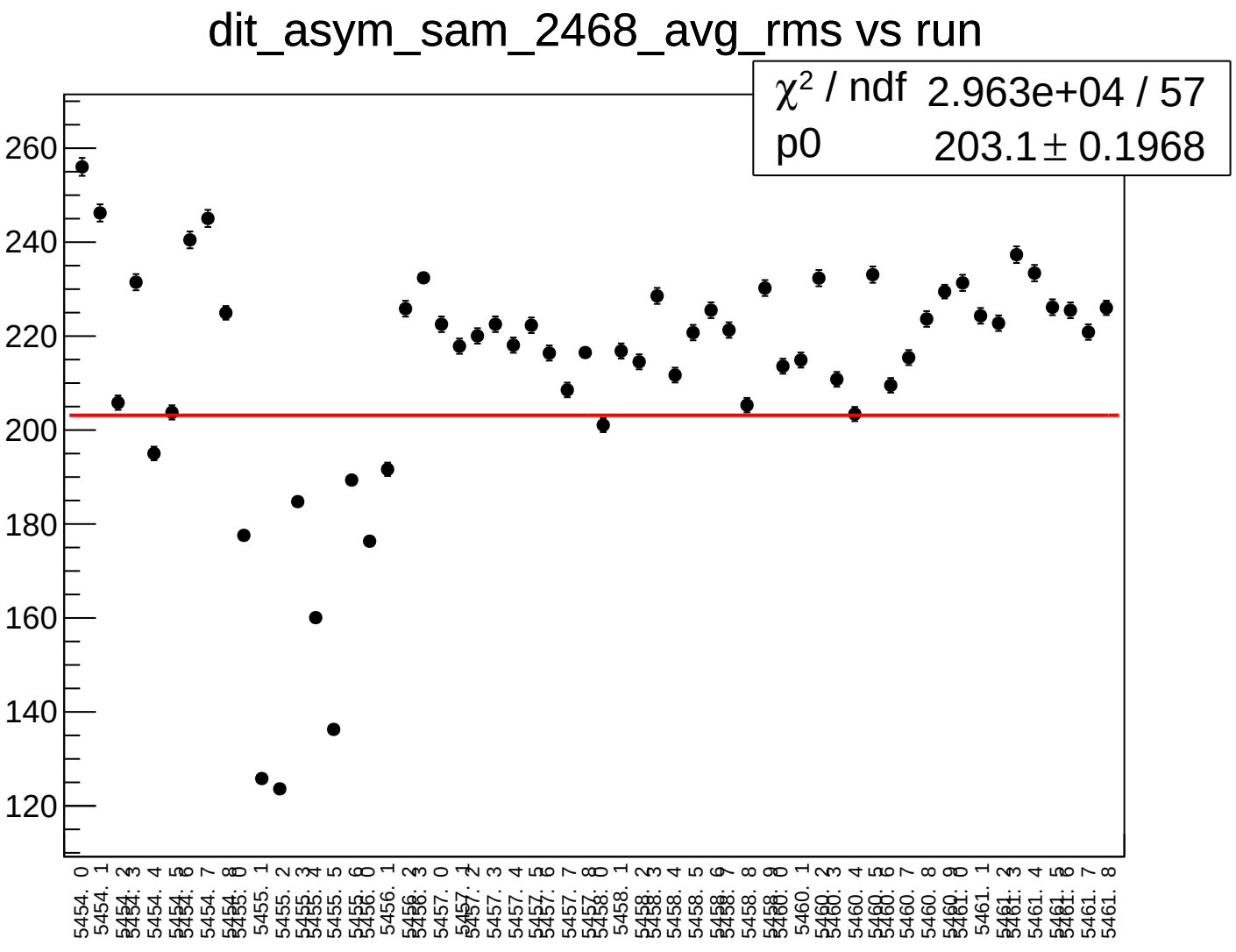

asym_sam_1357_avg_mean vs run
χ² / ndf 77.53 / 57
p0 43.87 ± 684.4
pull
Entries 58
Mean 206.9
Std Dev 178.6

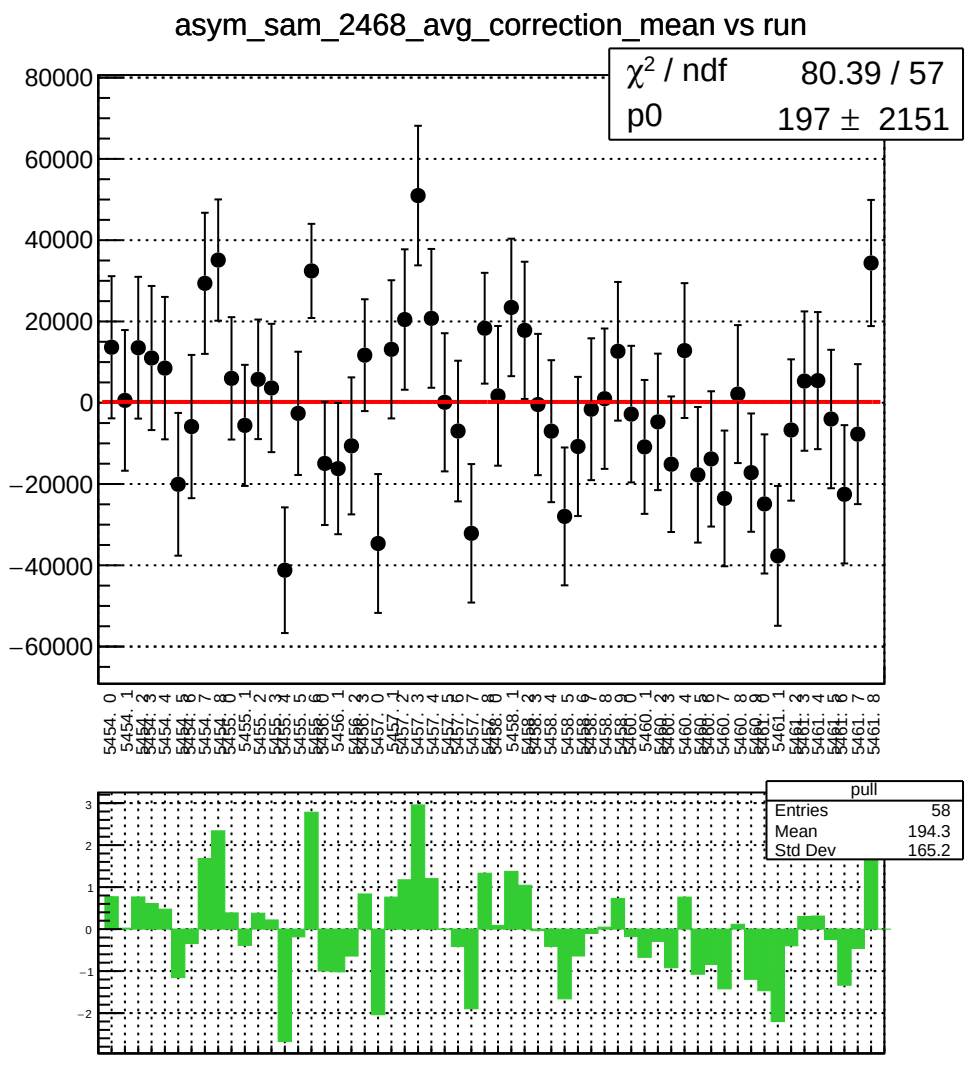

pull1D
Entries 58
Mean 0.02409
Std Dev 1.156

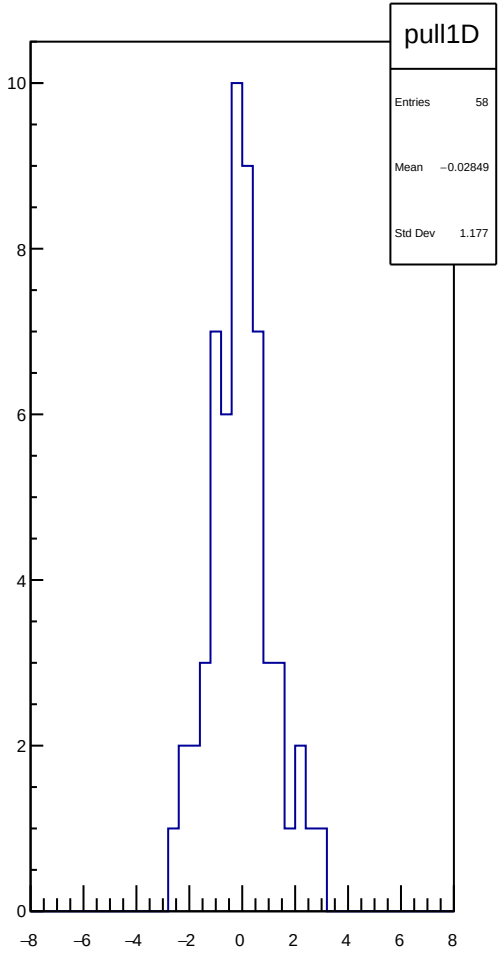

asym_sam_1357_avg_rms vs run
χ² / ndf 3080 / 57
p0 505.7 ± 0.484
580
560
540
520
500
480
460
440

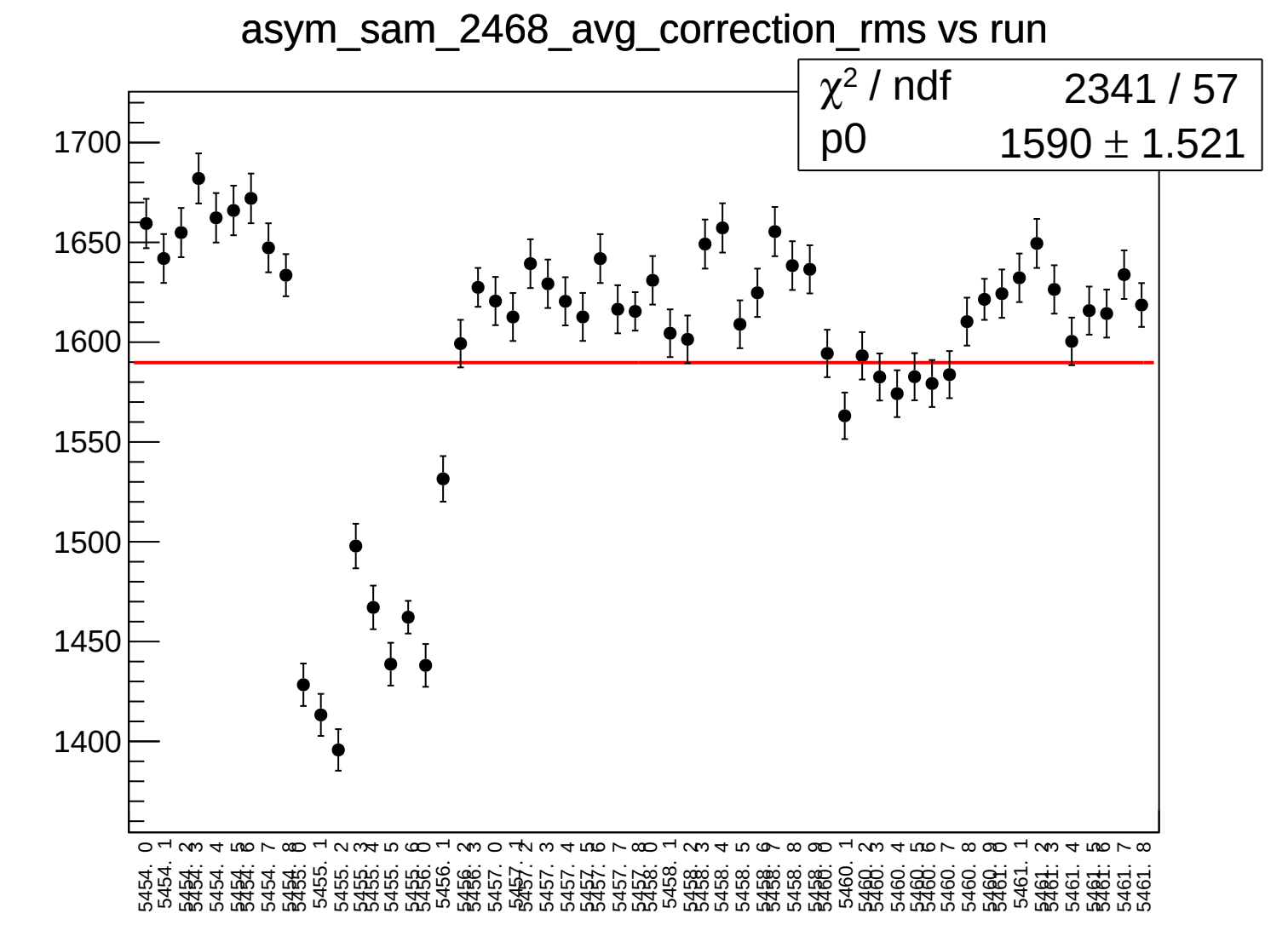

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 86.01 / 57
p0 −72.27 ± 278.4
pull
Entries 58
Mean 116.9
Std Dev 83.77

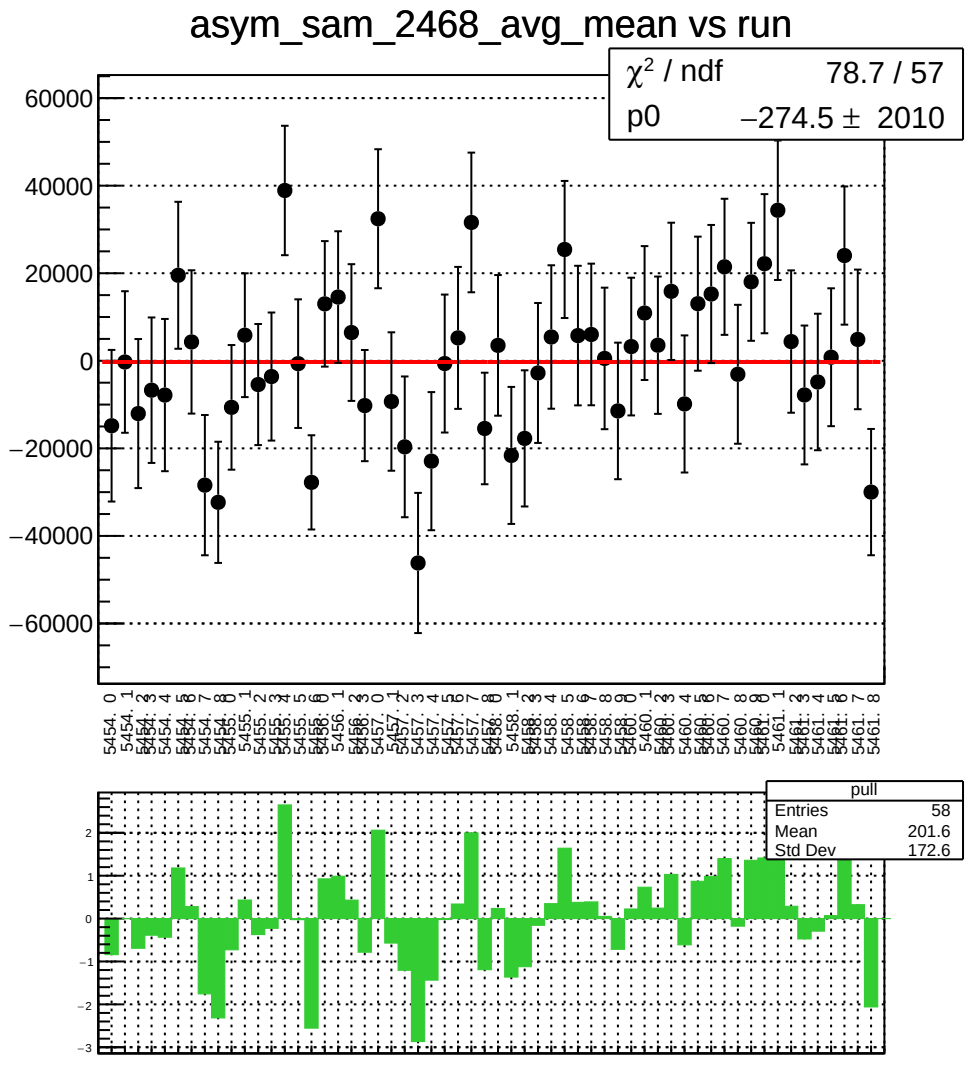

pull1D
Entries 58
Mean −0.02058
Std Dev 1.218

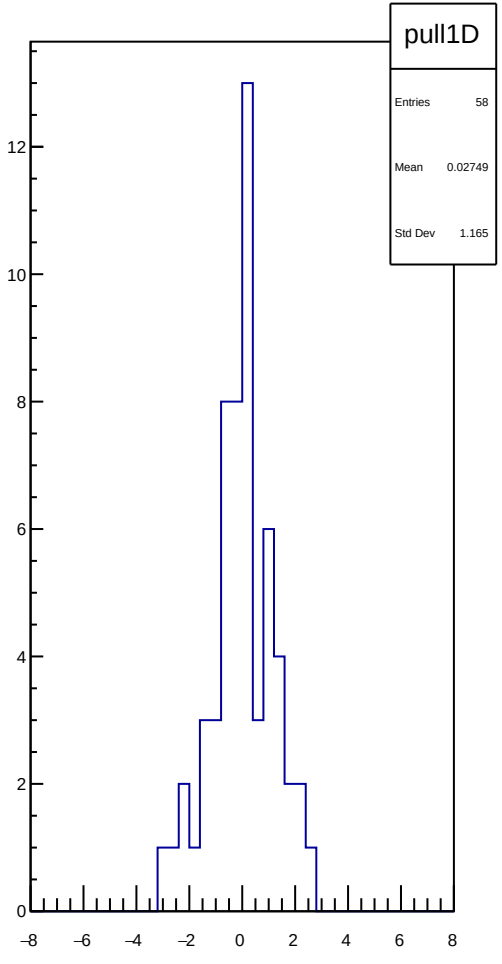

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.963e+04 / 57
p0 203.1 ± 0.1968
260
240
220
200
180
160
140
120

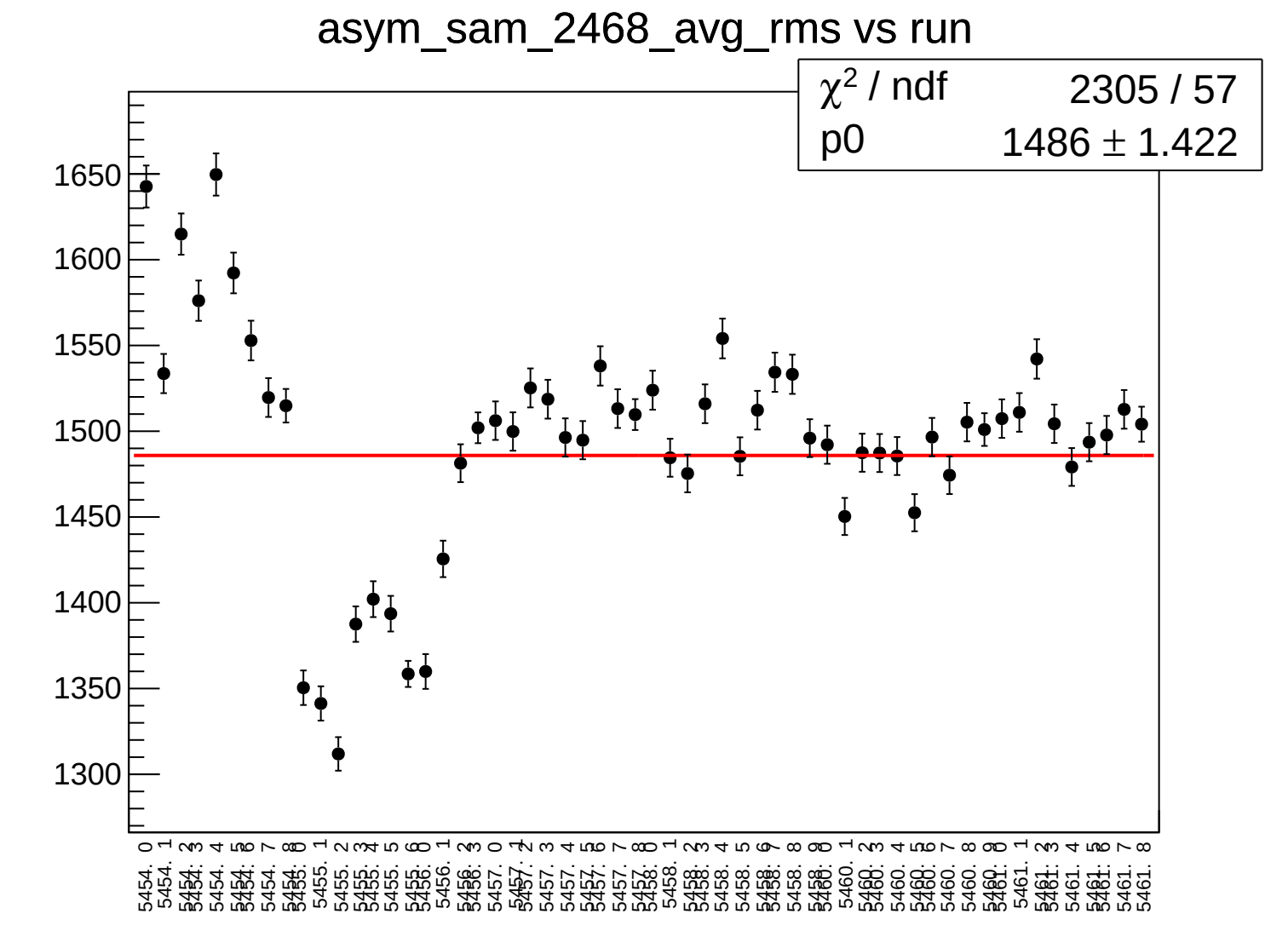

asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 80.39 / 57
p0 197 ± 2151
pull
Entries 58
Mean 194.3
Std Dev 165.2

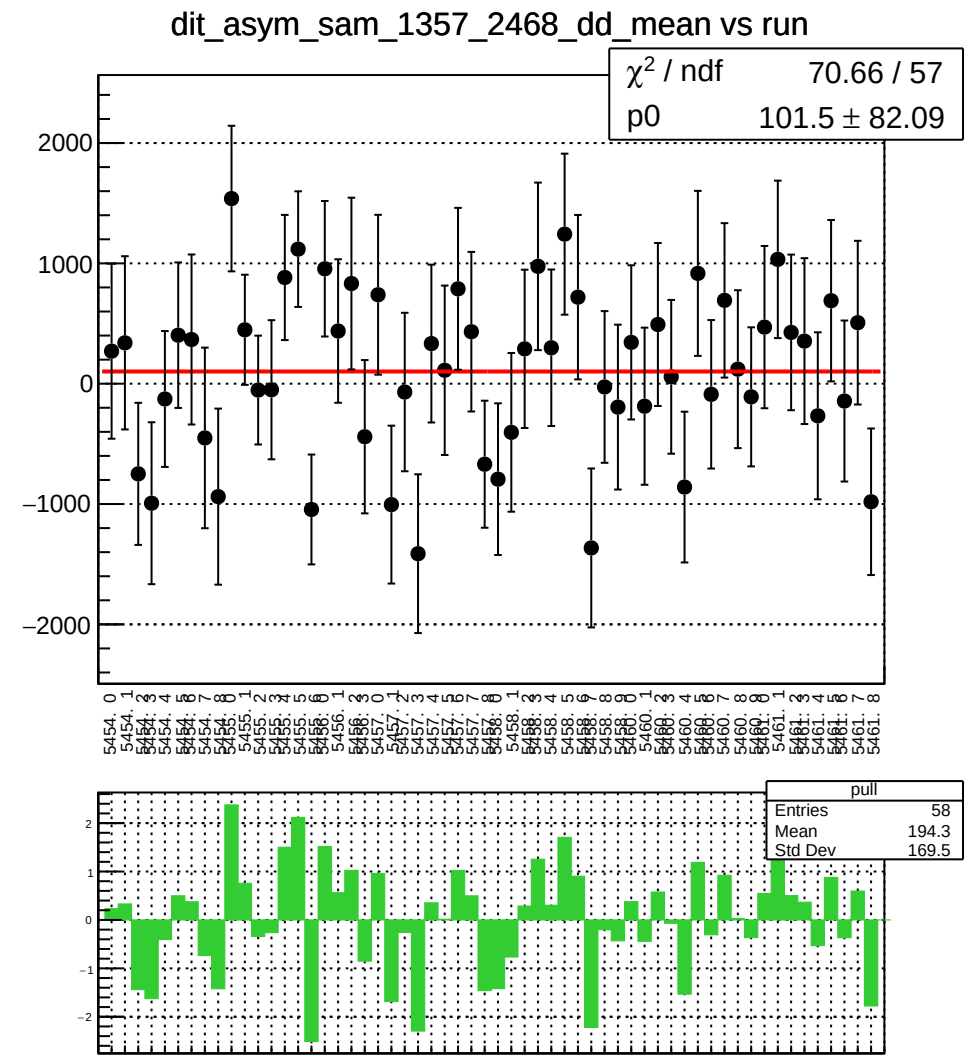

pull1D
Entries 58
Mean −0.02849
Std Dev 1.177

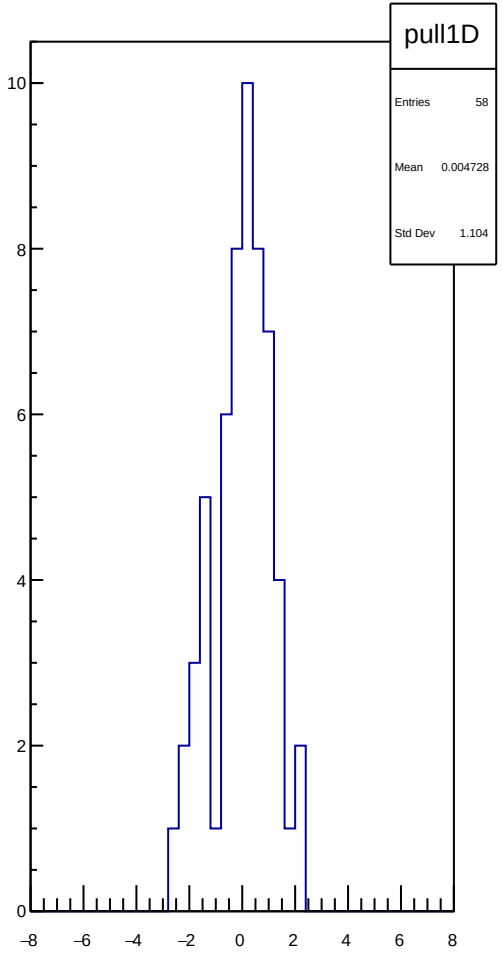

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2341 / 57
p0 1590 ± 1.521
1700
1650
1600
1550
1500
1450
1400

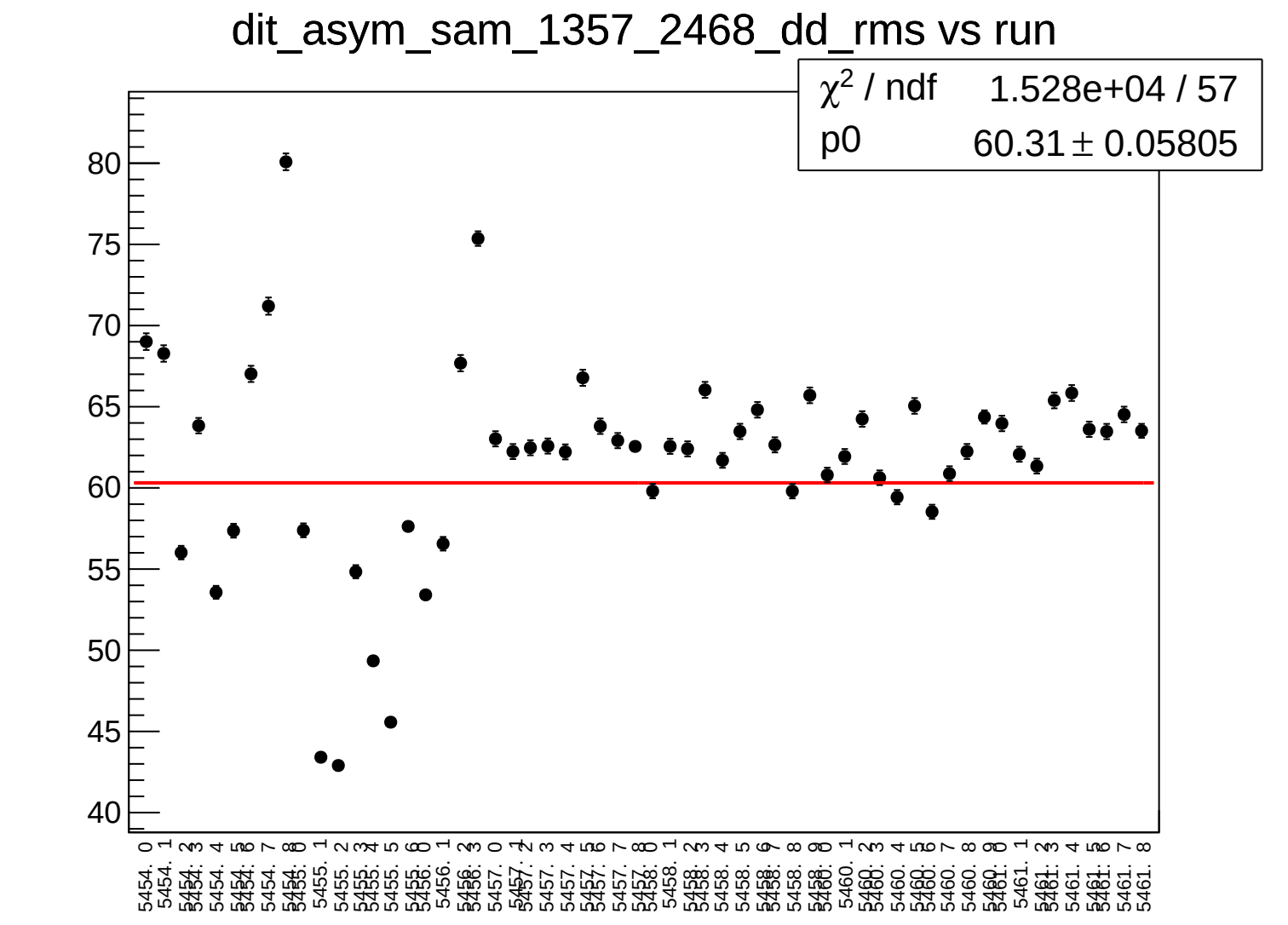

asym_sam_2468_avg_mean vs run
χ² / ndf 78.7 / 57
p0 −274.5 ± 2010
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 58
Mean 201.6
Std Dev 172.6
2
1
0
−1
−2
−3

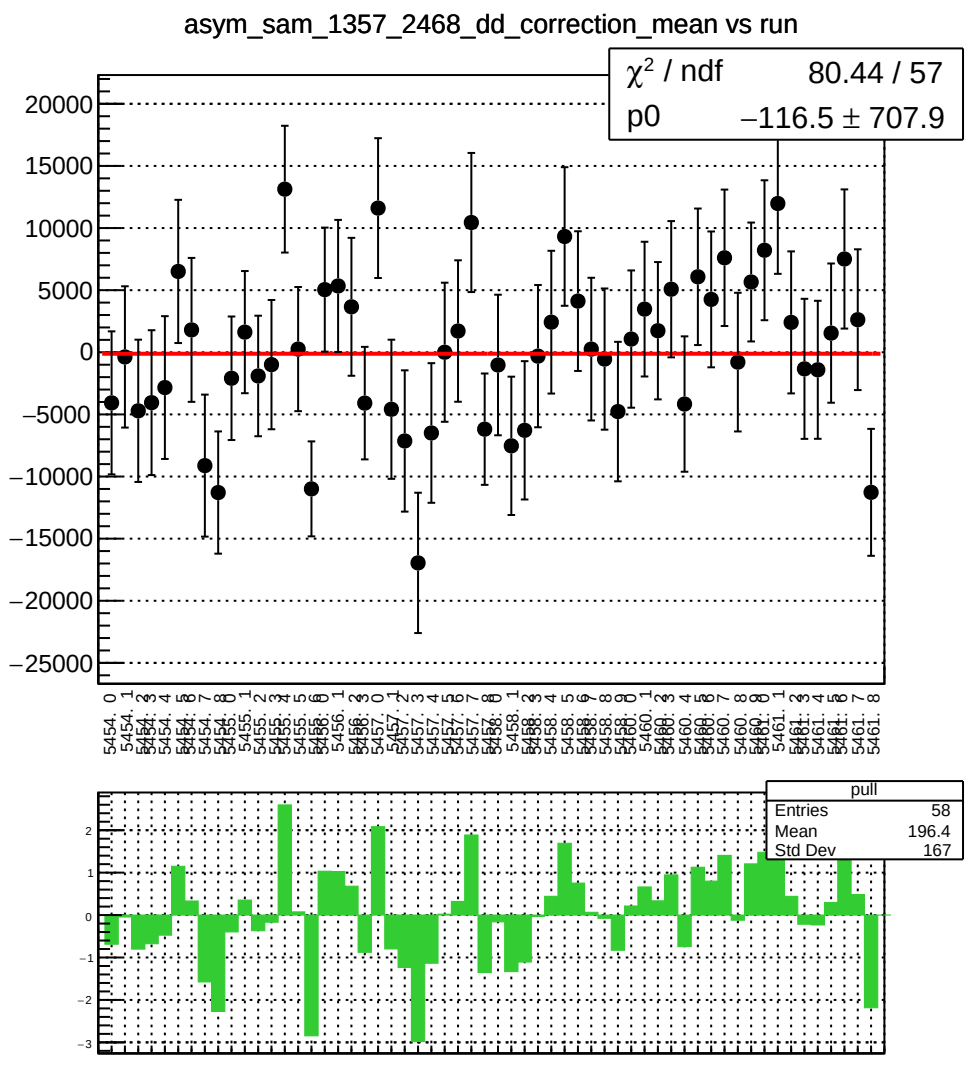

pull1D
Entries 58
Mean 0.02749
Std Dev 1.165
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

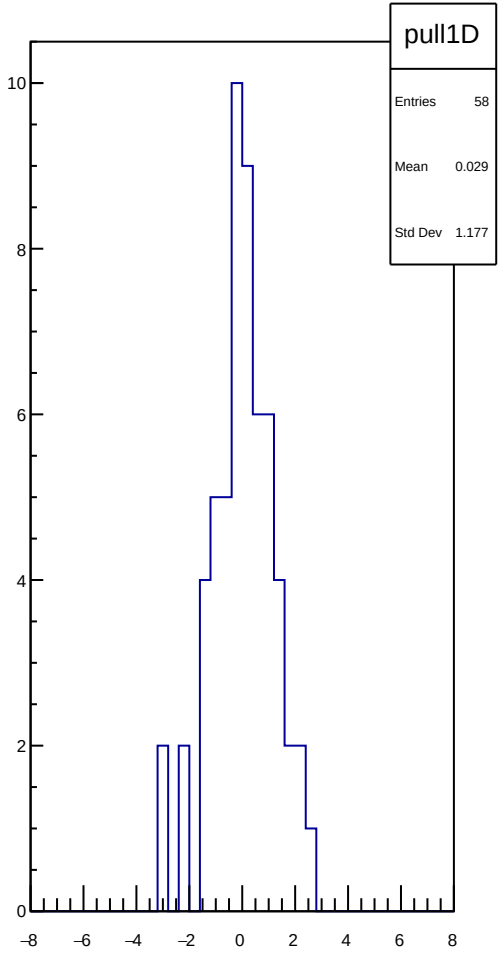

asym_sam_2468_avg_rms vs run
χ² / ndf 2305 / 57
p0 1486 ± 1.422
1650
1600
1550
1500
1450
1400
1350
1300

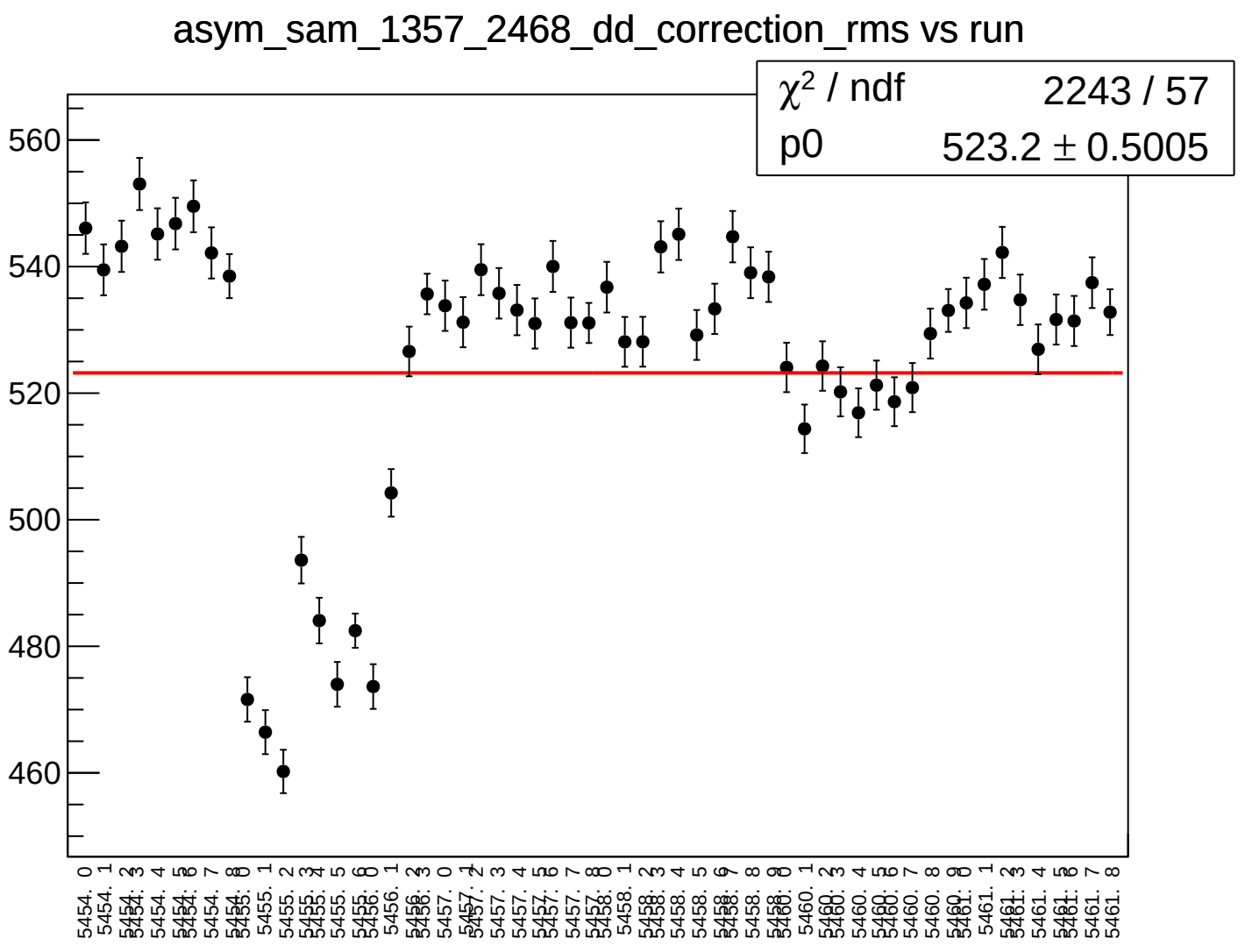

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 70.66 / 57
p0 101.5 ± 82.09
2000
1000
0
−1000
−2000
pull
Entries 58
Mean 194.3
Std Dev 169.5
2
1
0
−1
−2

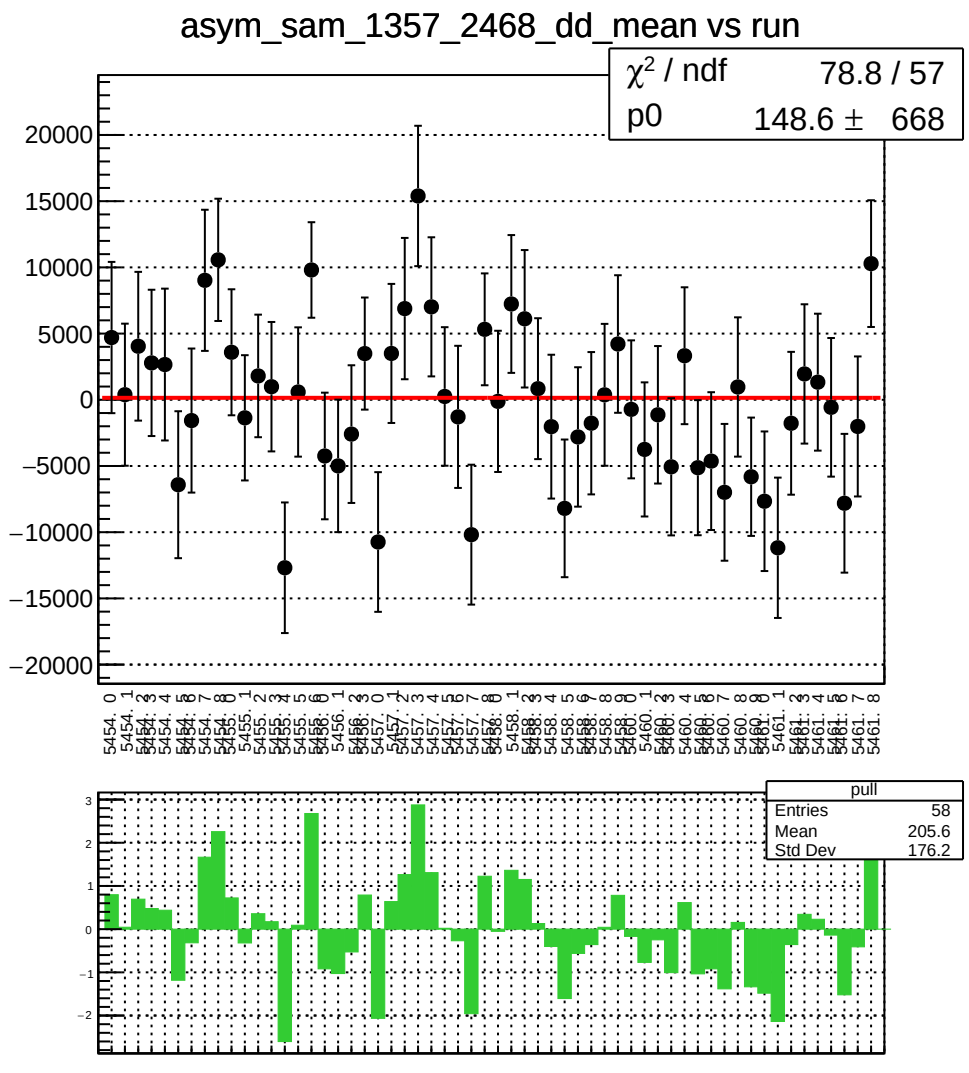

pull1D
Entries 58
Mean 0.004728
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

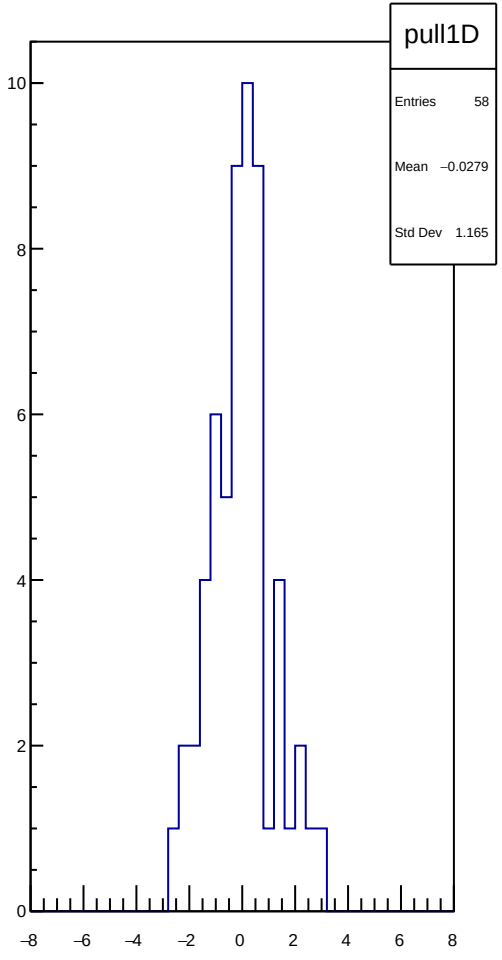

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.528e+04 / 57
p0 60.31 ± 0.05805
80
75
70
65
60
55
50
45
40

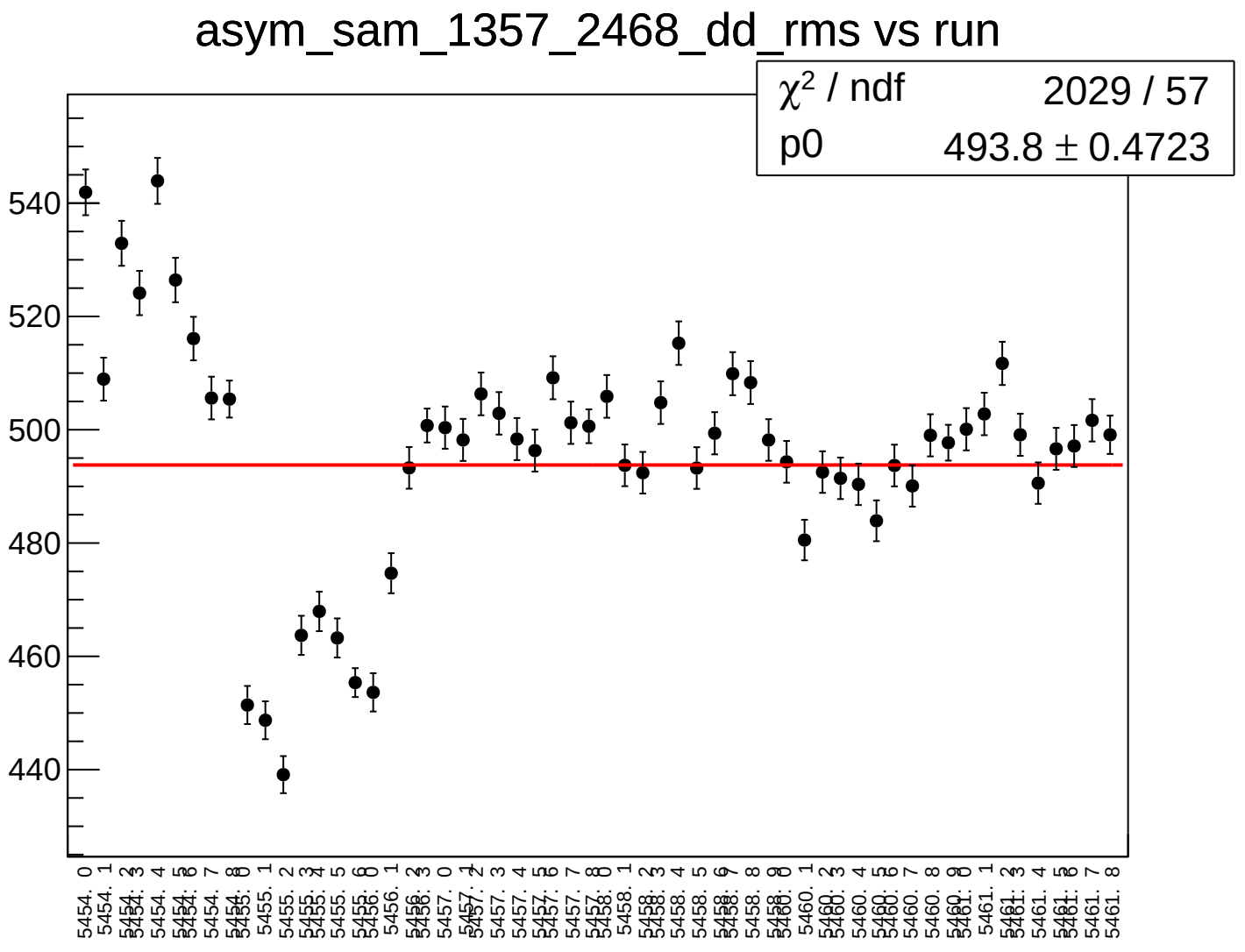

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 80.44 / 57
p0 −116.5 ± 707.9
pull
Entries 58
Mean 196.4
Std Dev 167

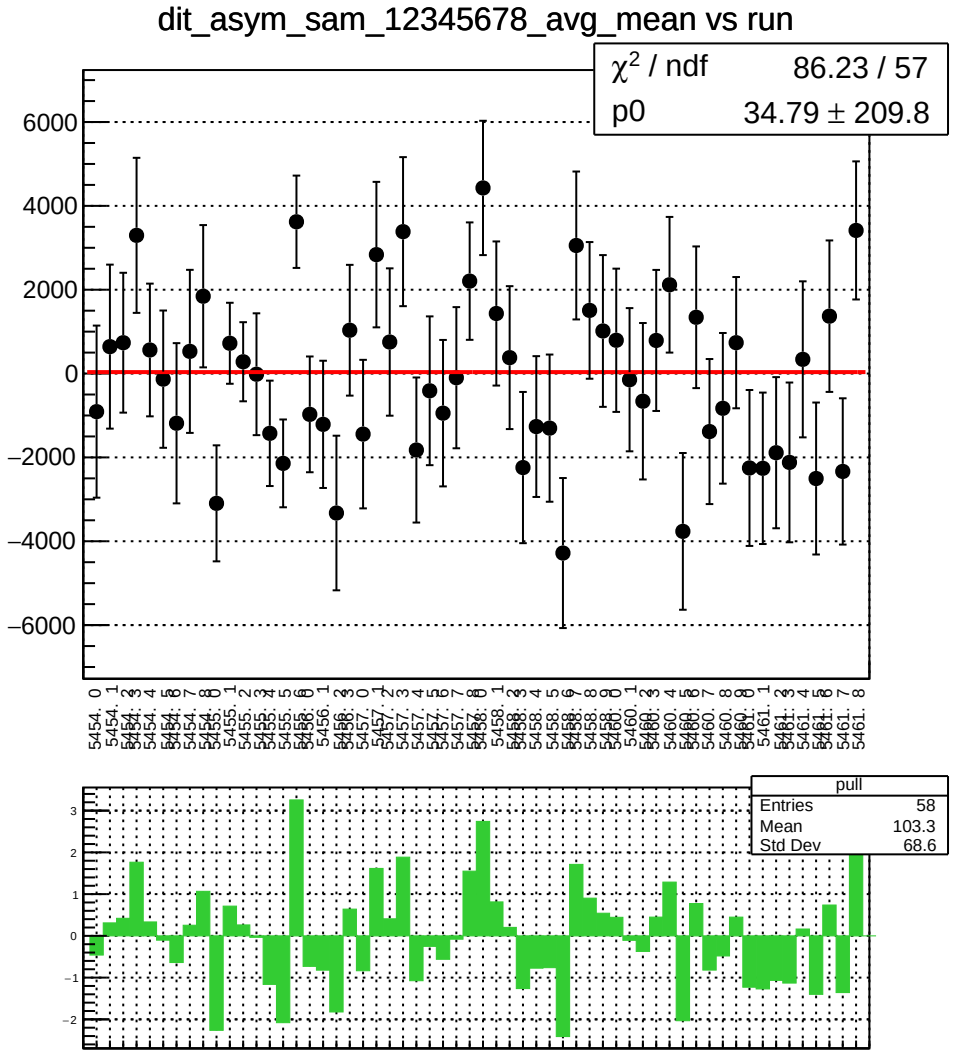

pull1D
Entries 58
Mean 0.029
Std Dev 1.177

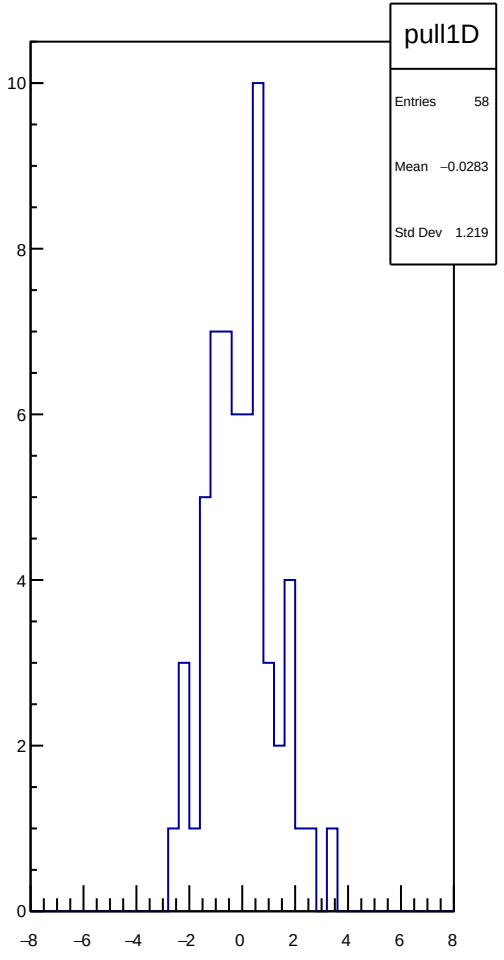

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2243 / 57
p0 523.2 ± 0.5005
560
540
520
500
480
460

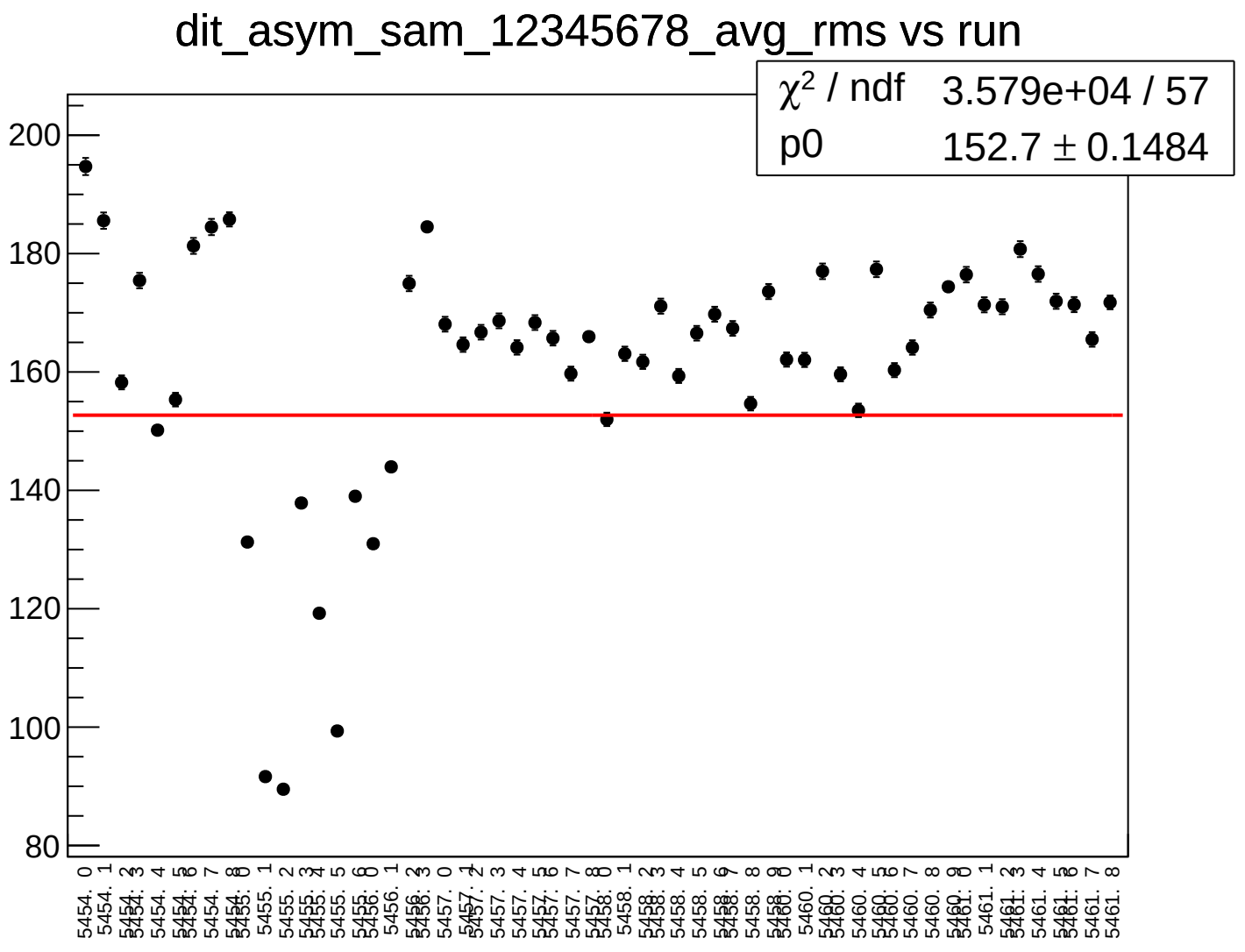

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.8 / 57
p0 148.6 ± 668
pull
Entries 58
Mean 205.6
Std Dev 176.2

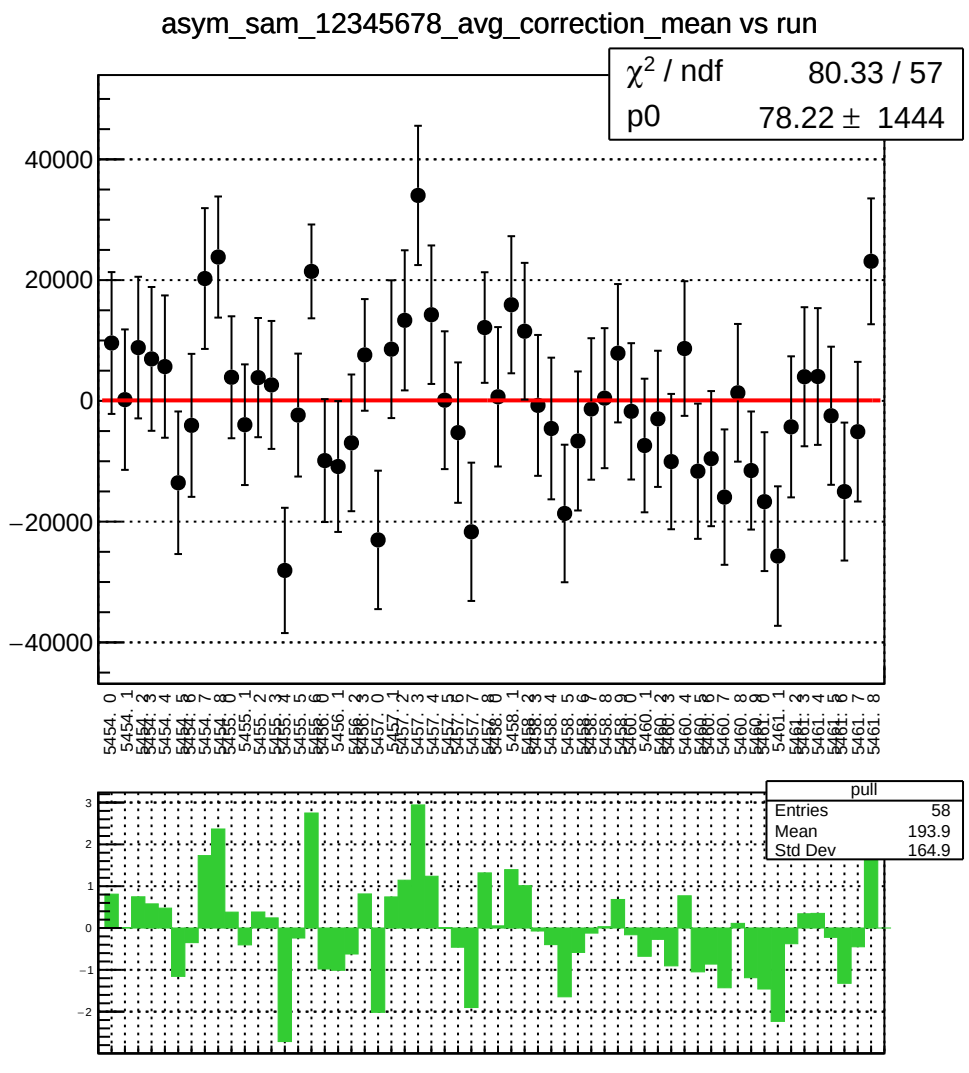

pull1D
Entries 58
Mean −0.0279
Std Dev 1.165

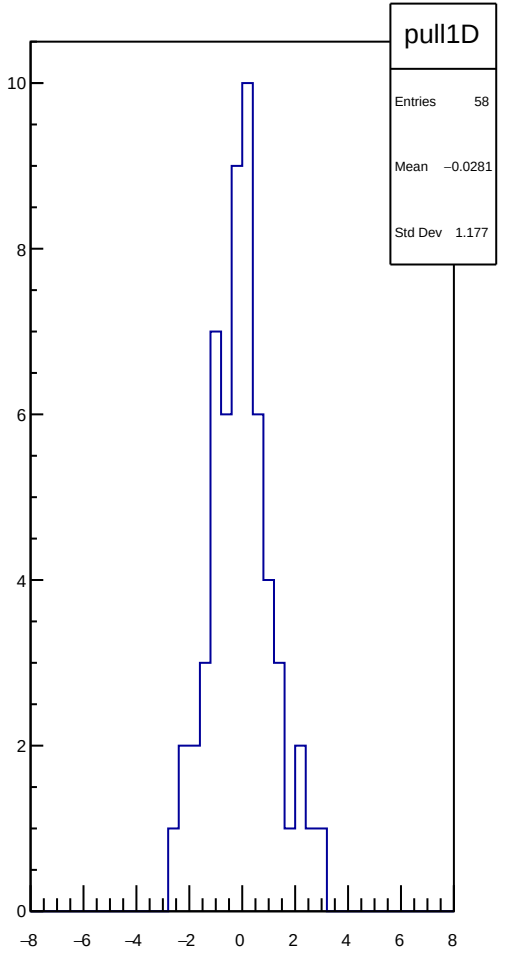

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2029 / 57
p0 493.8 ± 0.4723
540
520
500
480
460
440

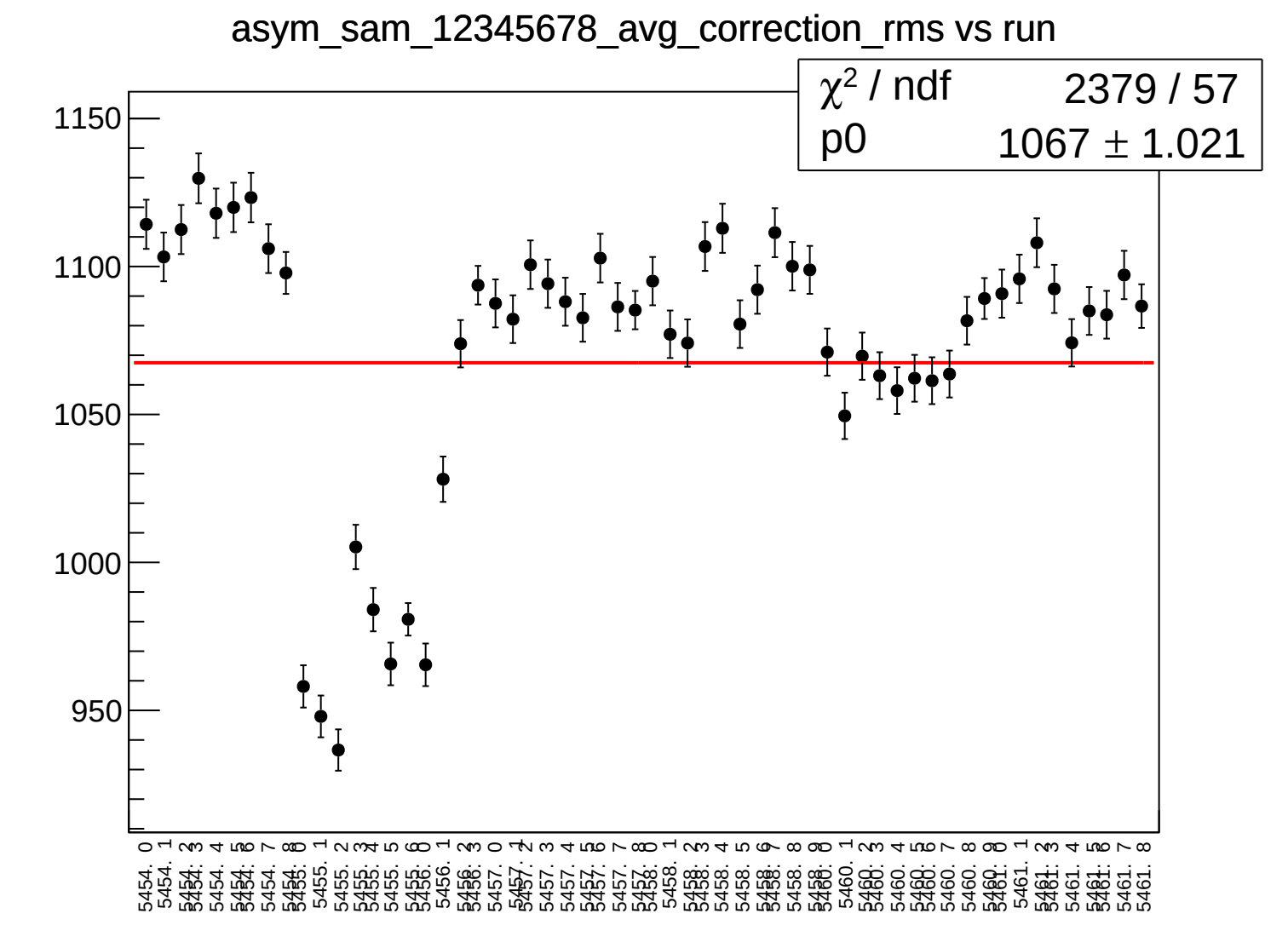

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 86.23 / 57
p0 34.79 ± 209.8
pull
Entries 58
Mean 103.3
Std Dev 68.6

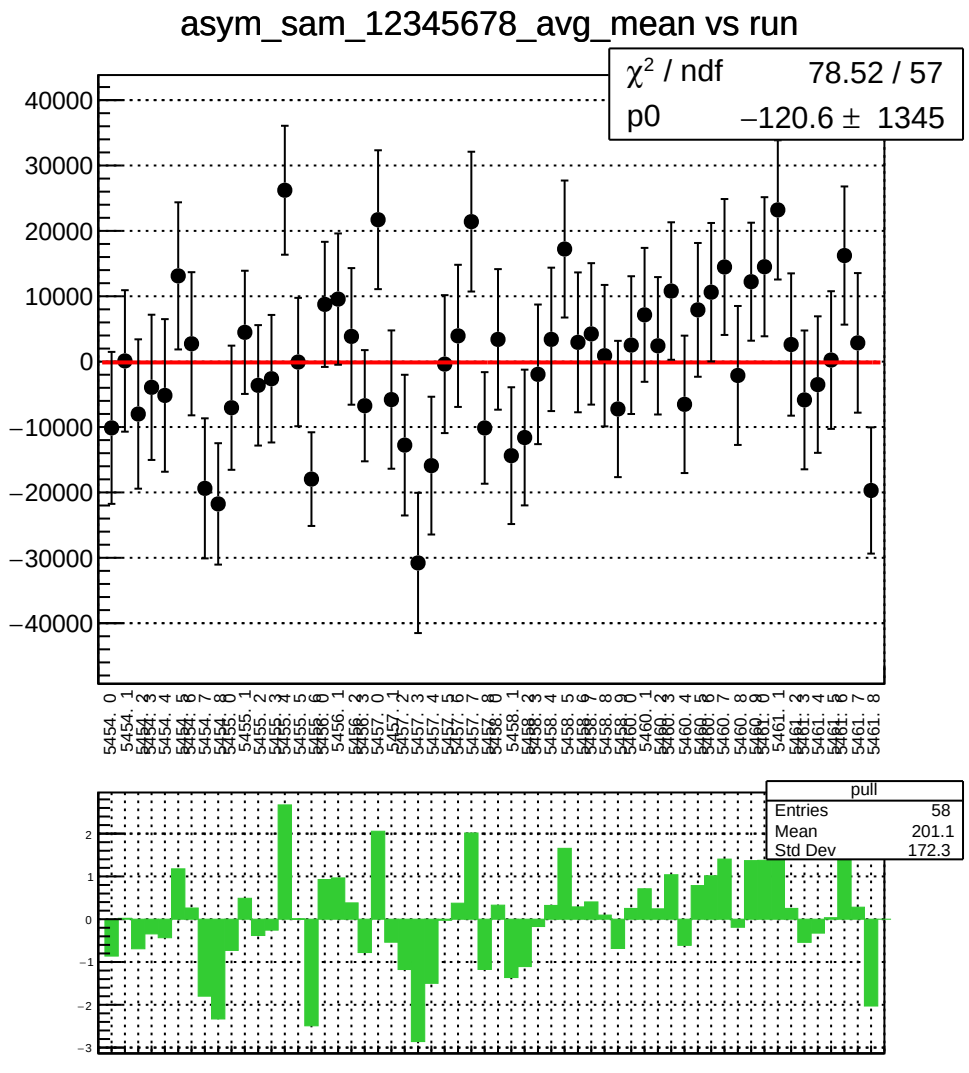

pull1D
Entries 58
Mean −0.0283
Std Dev 1.219

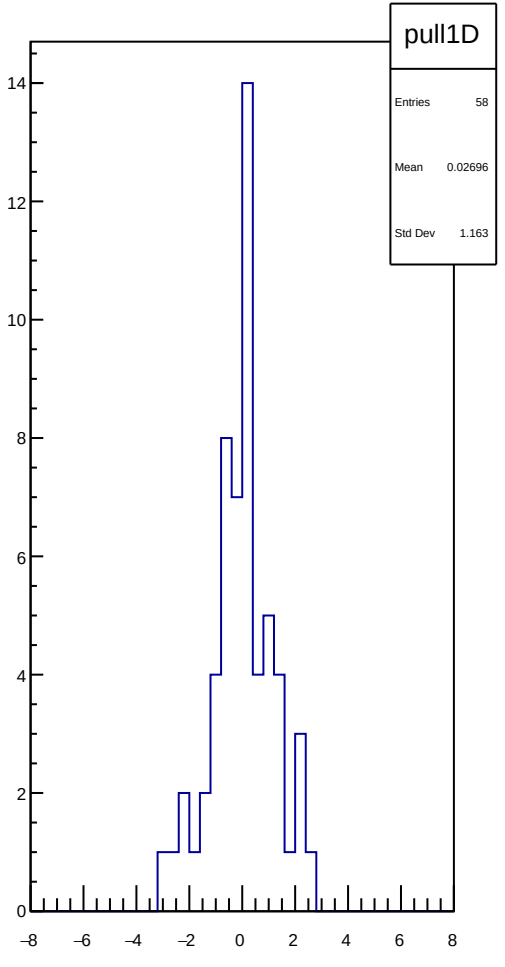

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.579e+04 / 57
p0 152.7 ± 0.1484
200
180
160
140
120
100
80

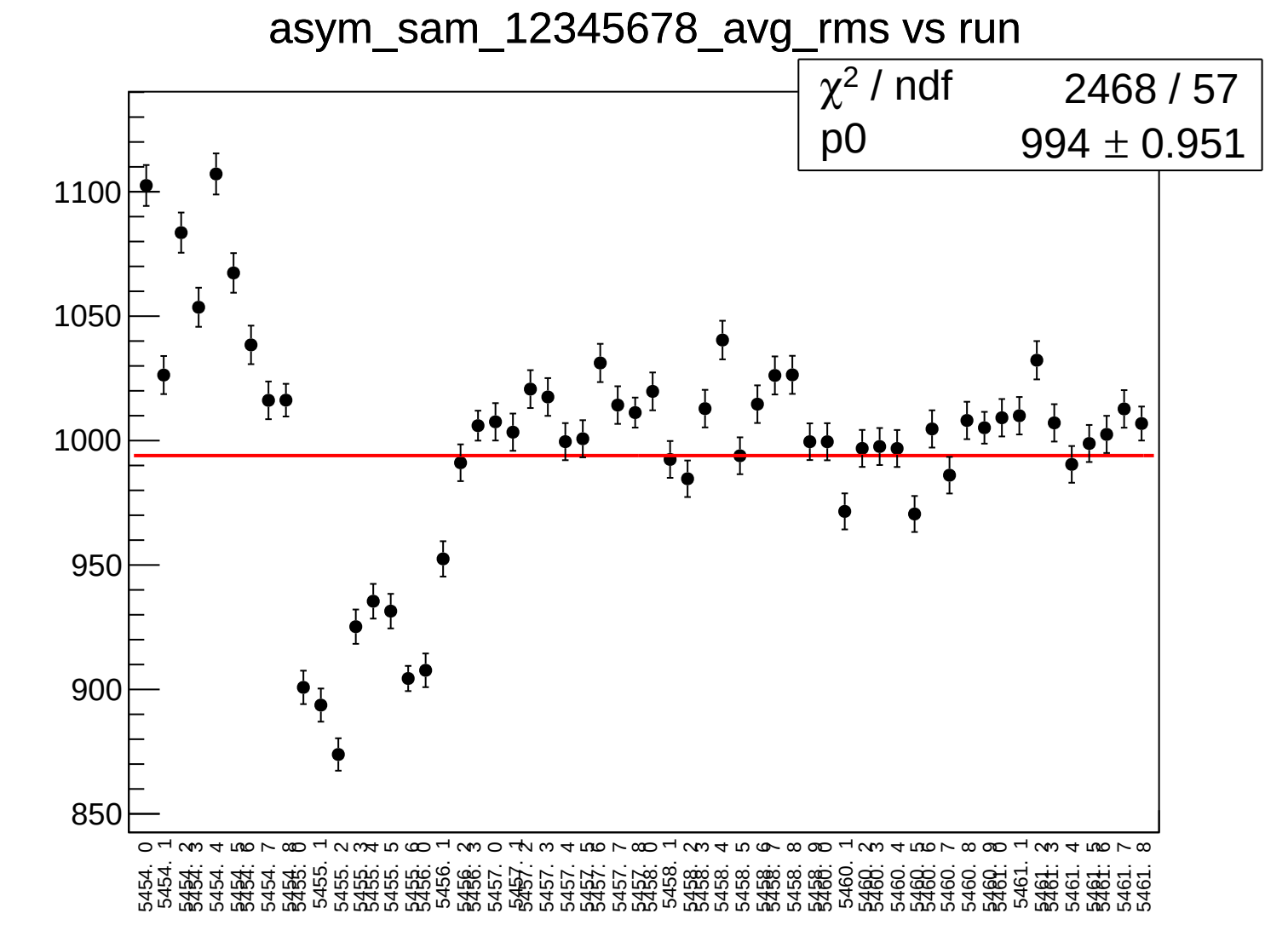

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 80.33 / 57
p0 78.22 ± 1444
40000
20000
0
−20000
−40000
pull
Entries 58
Mean 193.9
Std Dev 164.9
3
2
1
0
−1
−2

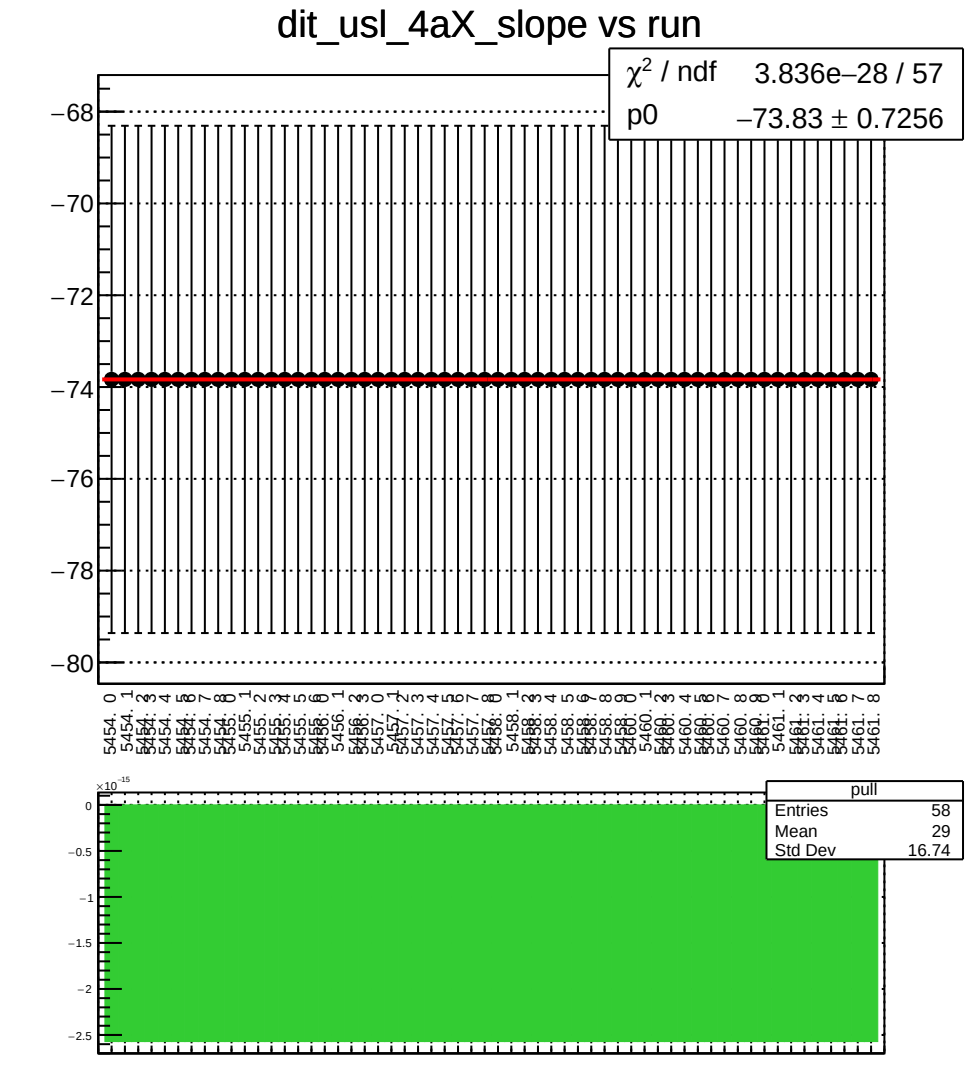

pull1D
Entries 58
Mean −0.0281
Std Dev 1.177
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

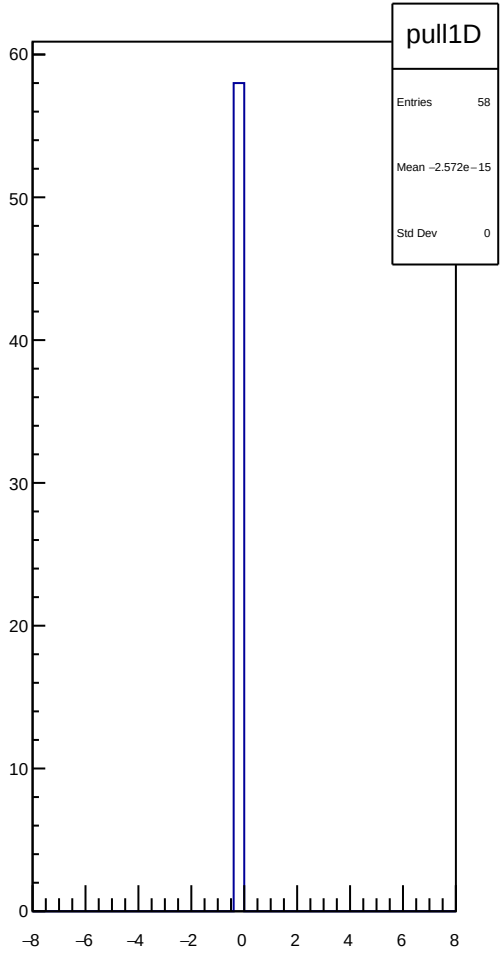

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2379 / 57
p0 1067 ± 1.021
1150
1100
1050
1000
950

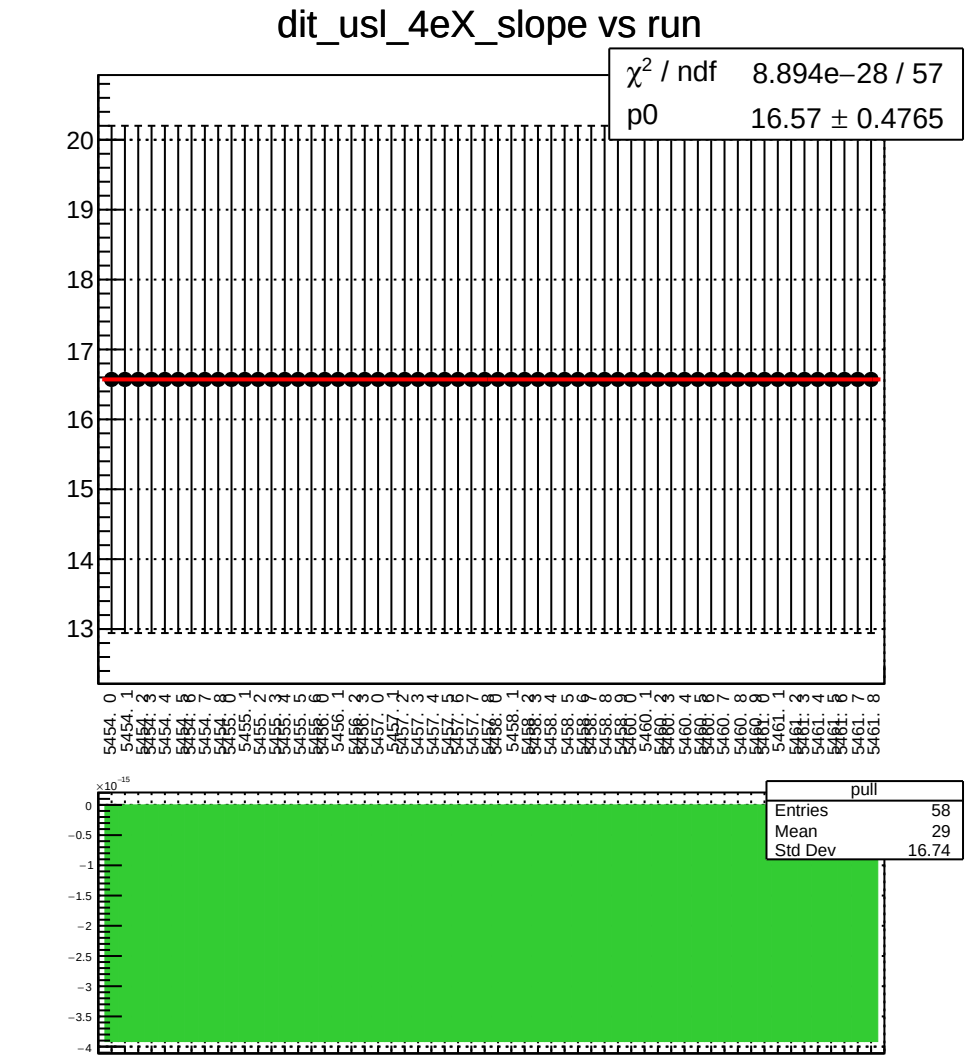

asym_sam_12345678_avg_mean vs run
χ² / ndf 78.52 / 57
p0 −120.6 ± 1345
pull
Entries 58
Mean 201.1
Std Dev 172.3

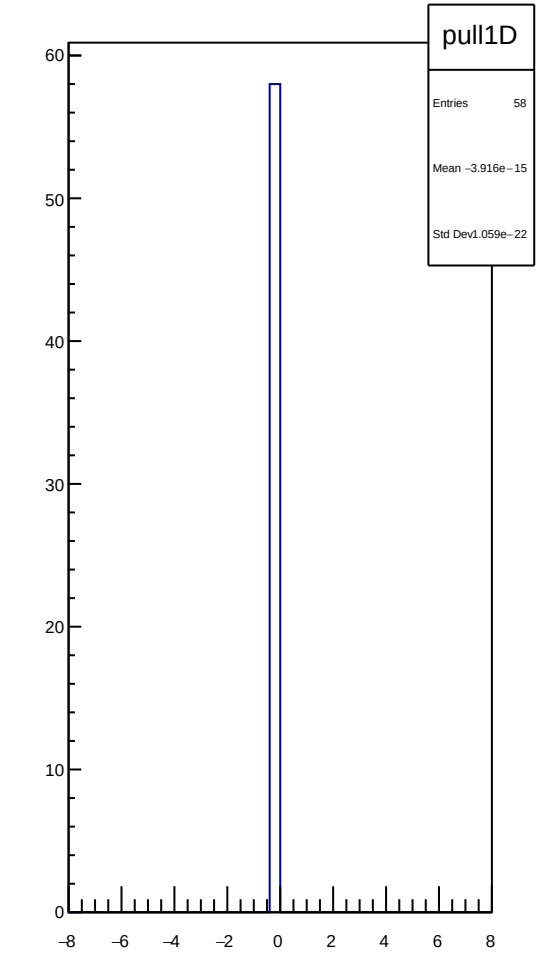

pull1D
Entries 58
Mean 0.02696
Std Dev 1.163

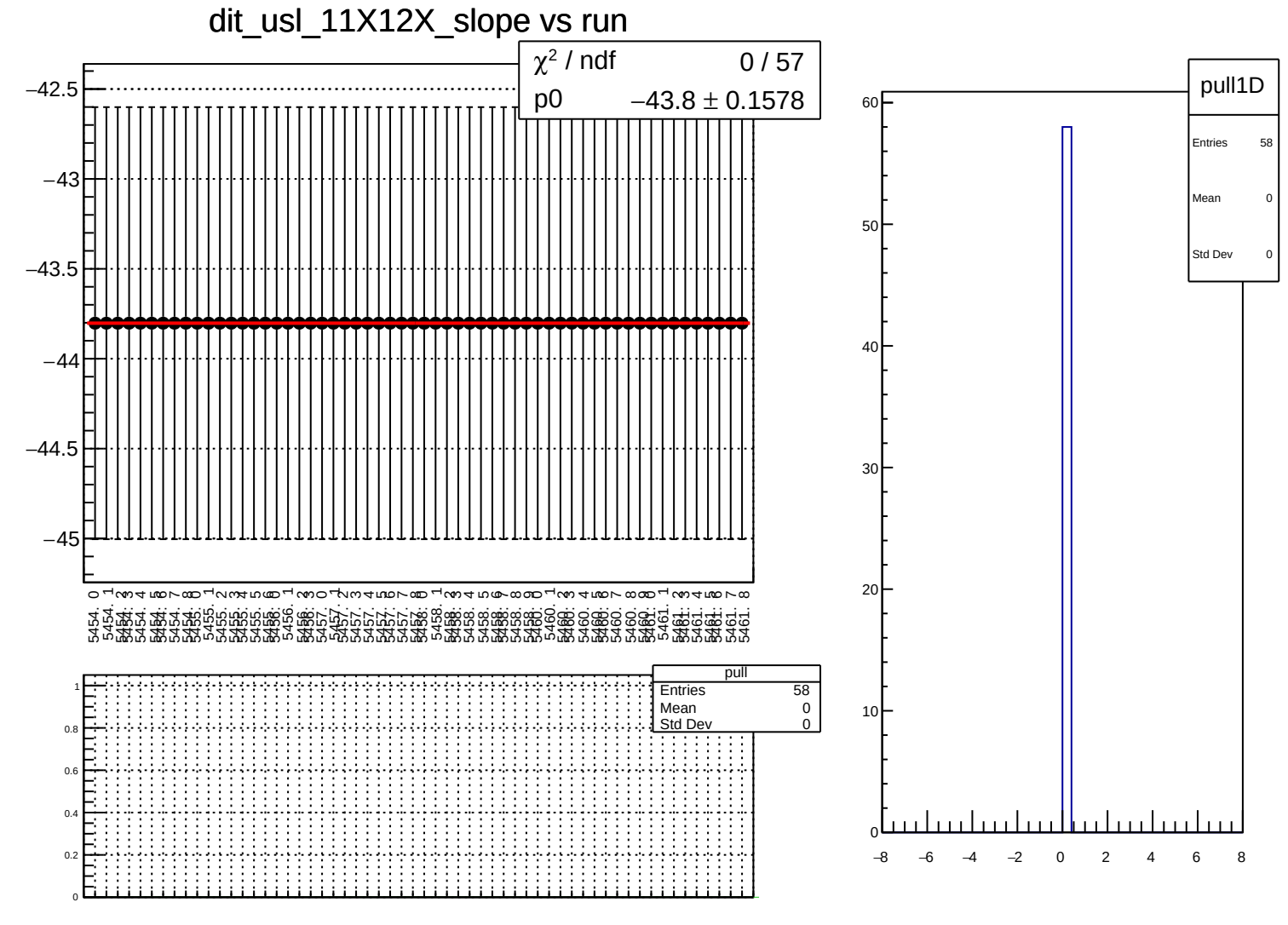

asym_sam_12345678_avg_rms vs run
χ² / ndf 2468 / 57
p0 994 ± 0.951
1100
1050
1000
950
900
850

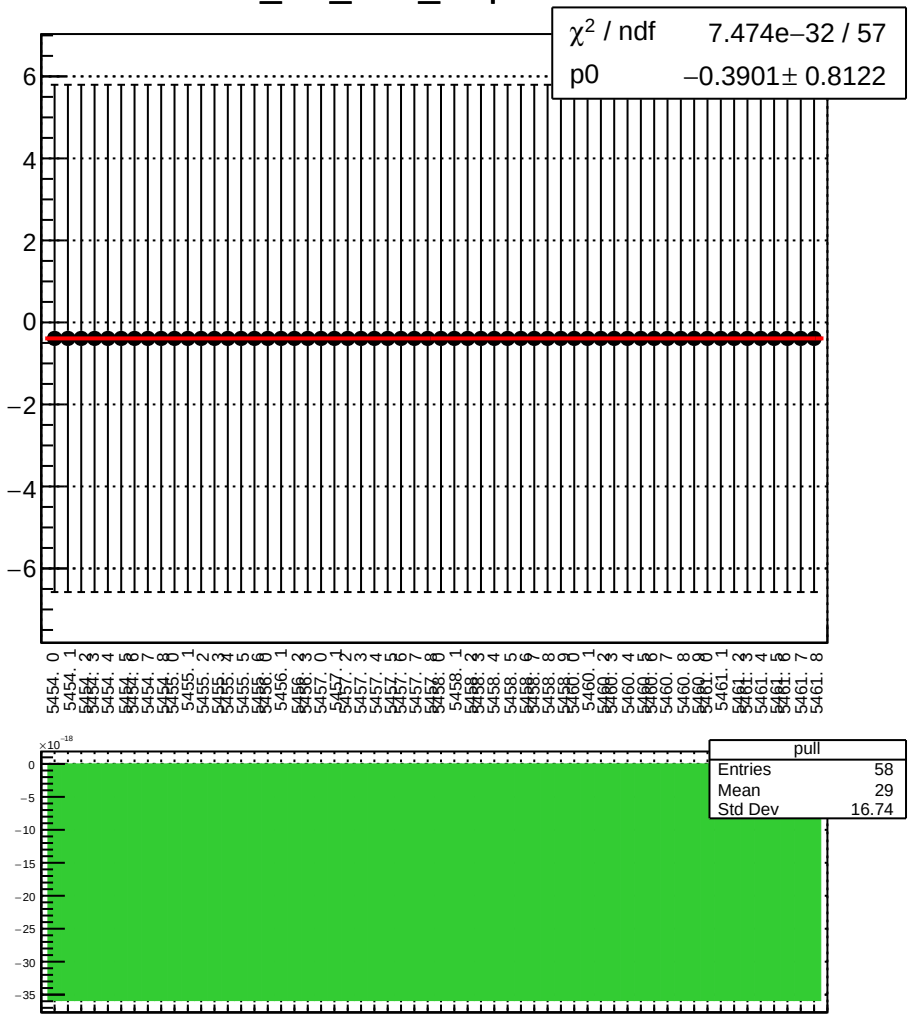

dit_usl_4aX_slope vs run
χ² / ndf 3.836e−28 / 57
p0 −73.83 ± 0.7256
−68
−70
−72
−74
−76
−78
−80
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5

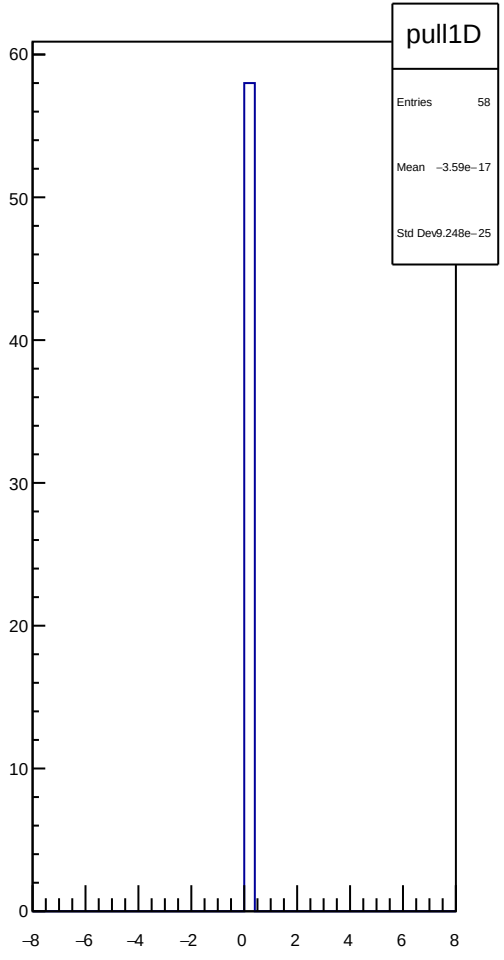

pull1D
Entries 58
Mean −2.572e−15
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

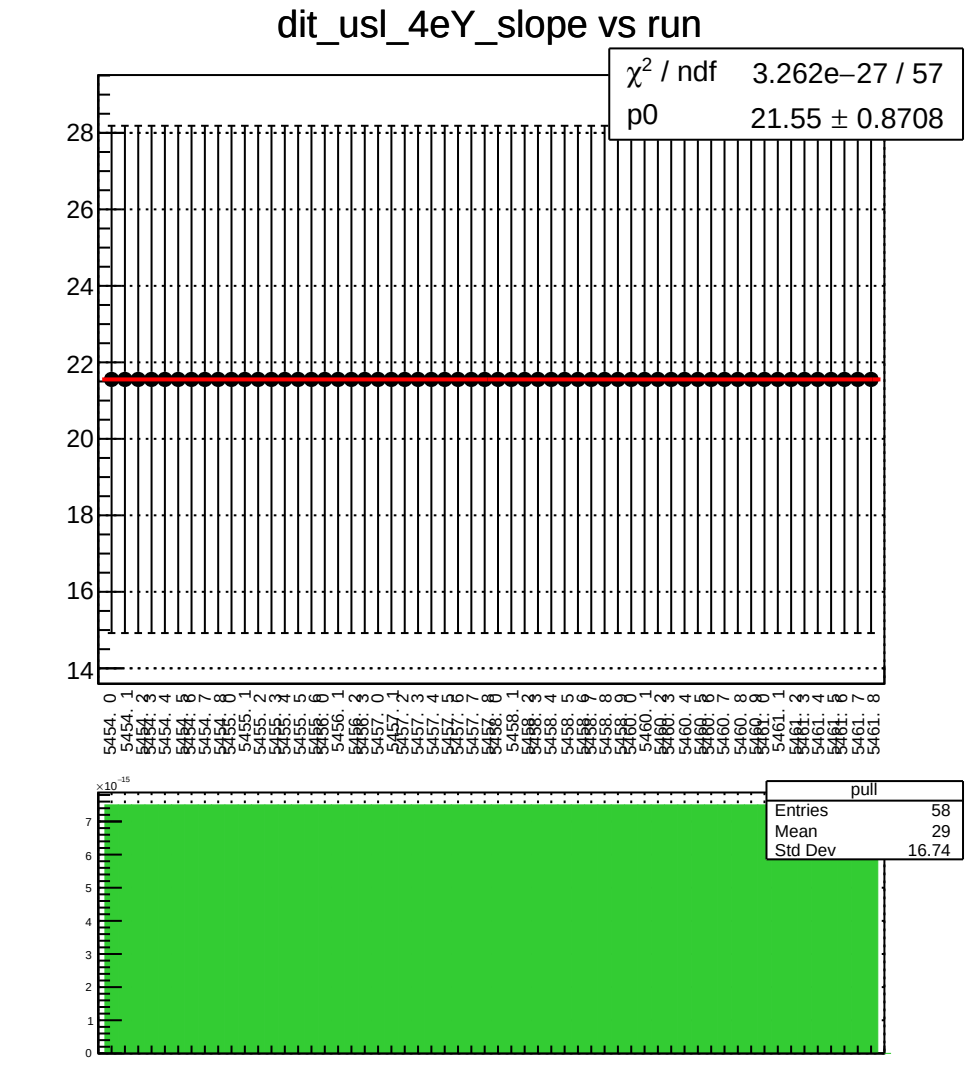

dit_usl_4eX_slope vs run
χ² / ndf 8.894e−28 / 57
p0 16.57 ± 0.4765
pull
Entries 58
Mean 29
Std Dev 16.74

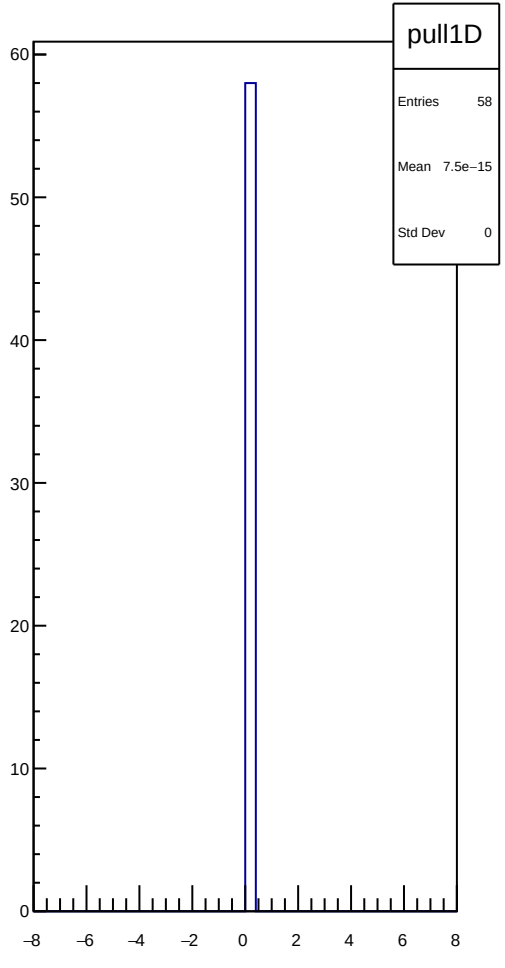

pull1D
Entries 58
Mean −3.916e−15
Std Dev1.059e−22

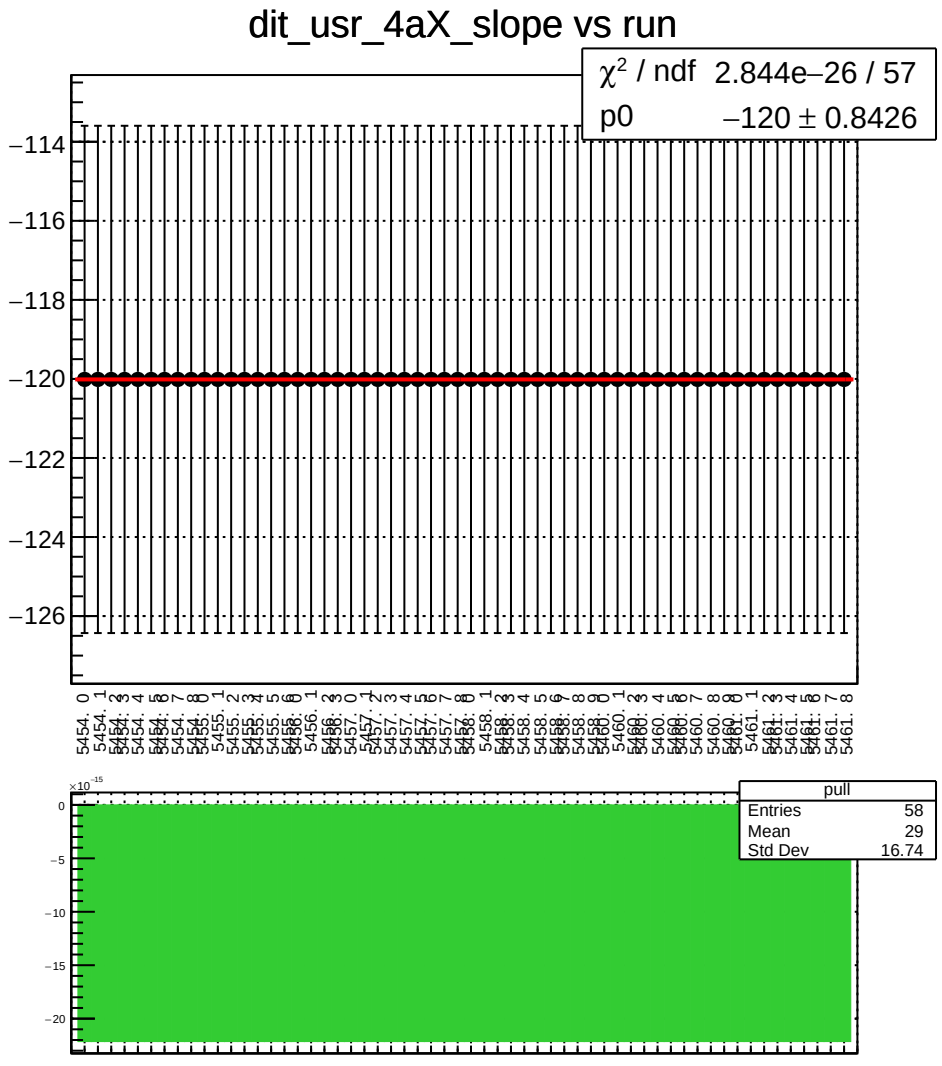

dit_usl_11X12X_slope vs run
χ² / ndf 0 / 57
p0 −43.8 ± 0.1578
−42.5
−43
−43.5
−44
−44.5
−45
pull
Entries 58
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 58
Mean 0
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

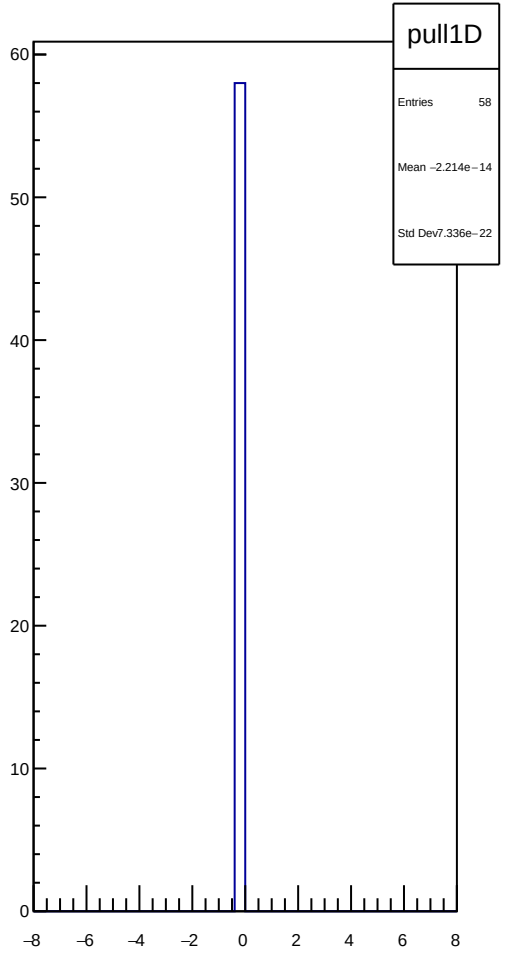

dit_usl_4aY_slope vs run
χ² / ndf 7.474e−32 / 57
p0 −0.3901± 0.8122
pull
Entries 58
Mean 29
Std Dev 16.74

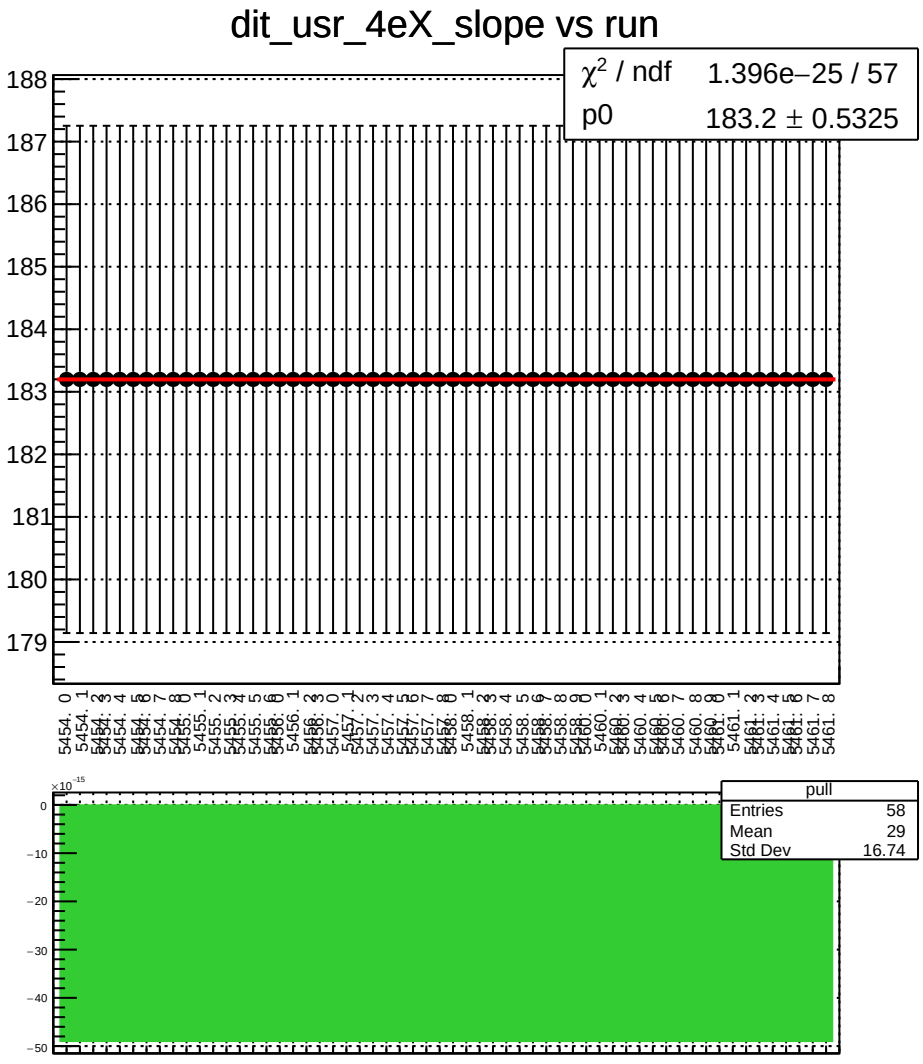

pull1D
Entries 58
Mean −3.59e−17
Std Dev 9.248e−25

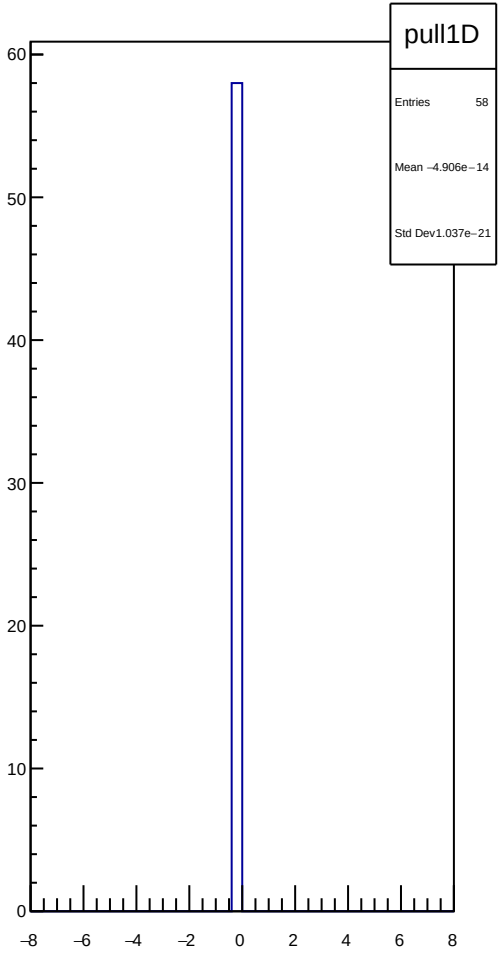

dit_usl_4eY_slope vs run
χ² / ndf 3.262e−27 / 57
p0 21.55 ± 0.8708
pull
Entries 58
Mean 29
Std Dev 16.74

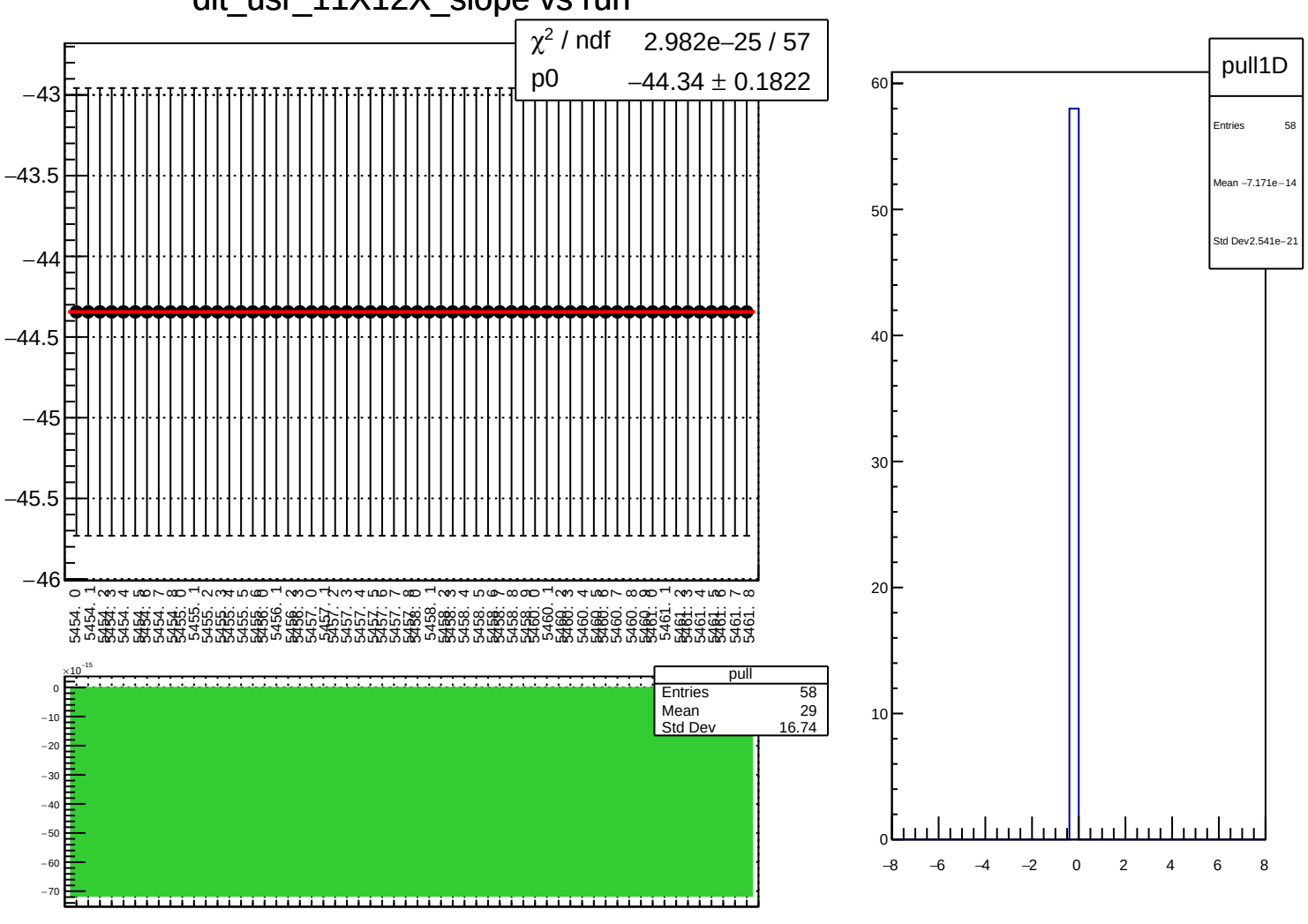

pull1D
Entries 58
Mean 7.5e−15
Std Dev 0

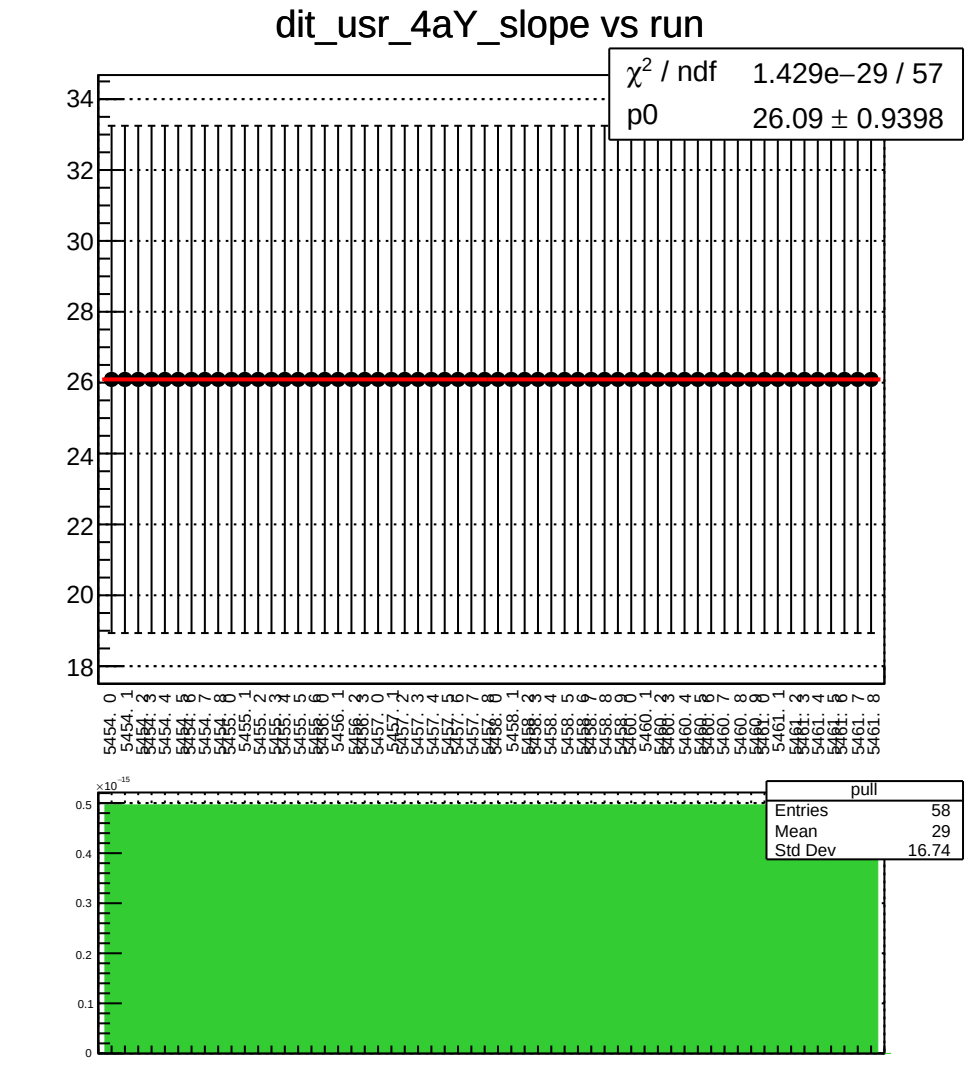

dit_usr_4aX_slope vs run
χ^2 / ndf 2.844e−26 / 57
p0 −120 ± 0.8426
−114
−116
−118
−120
−122
−124
−126
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20

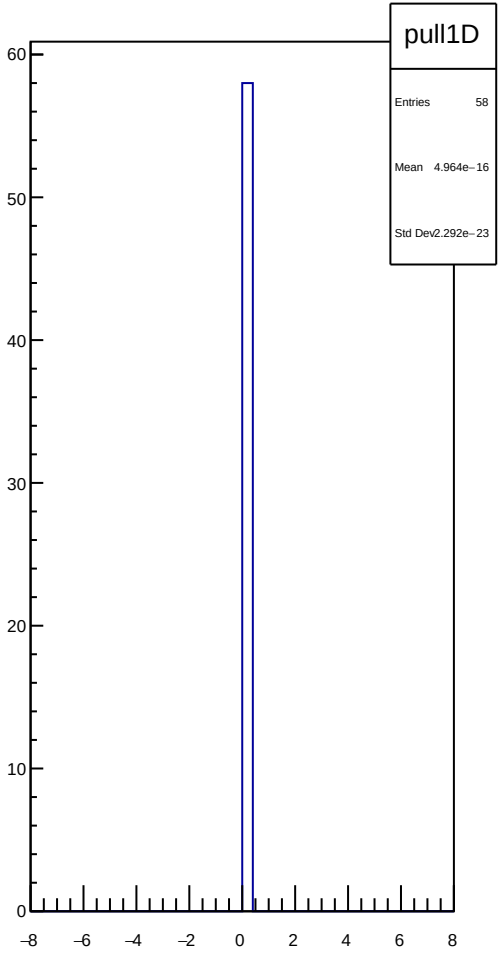

pull1D
Entries 58
Mean −2.214e−14
Std Dev7.336e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

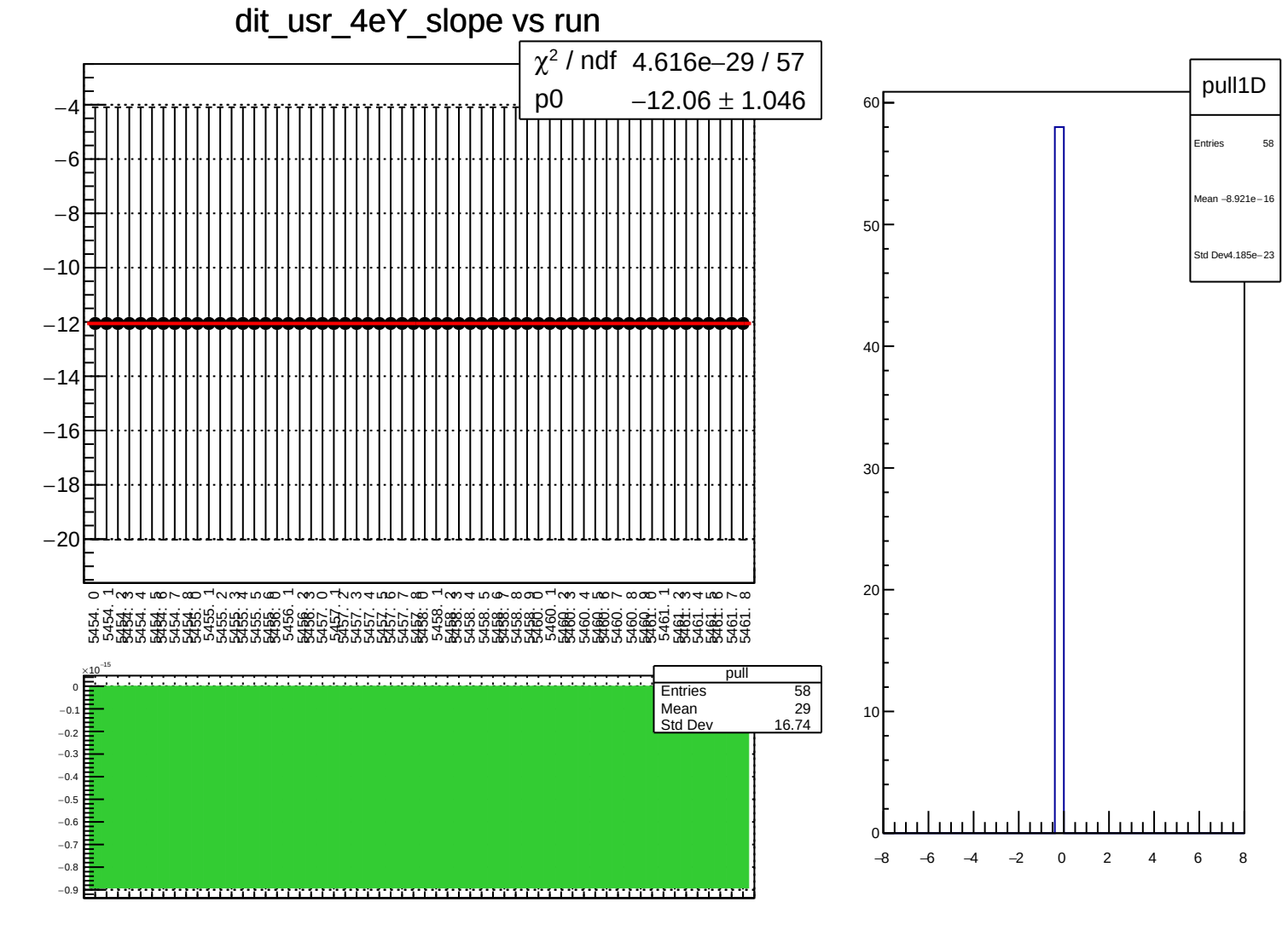

dit_usr_4eX_slope vs run
χ² / ndf 1.396e−25 / 57
p0 183.2 ± 0.5325
pull
Entries 58
Mean 29
Std Dev 16.74

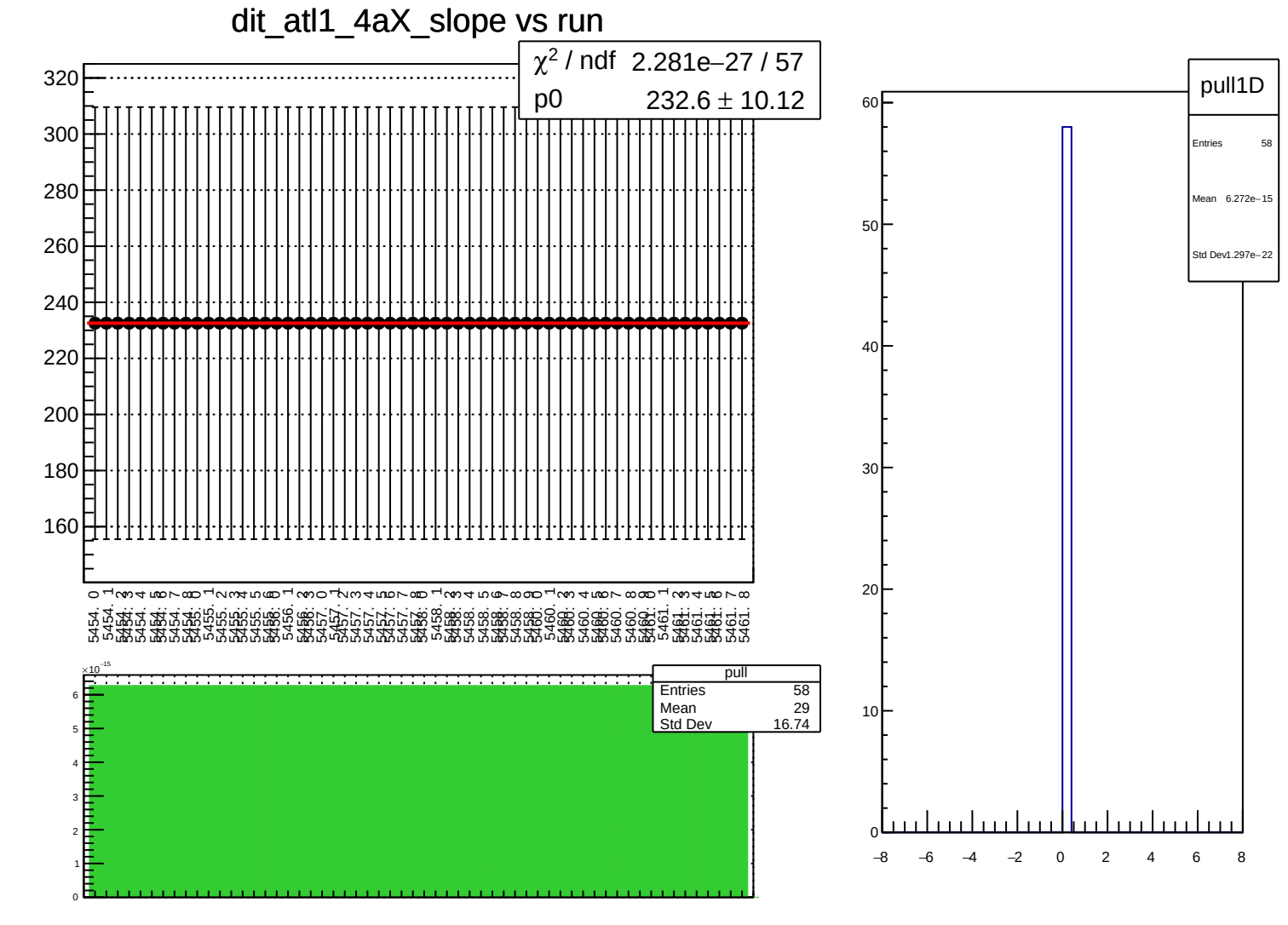

pull1D
Entries 58
Mean −4.906e−14
Std Dev1.037e−21

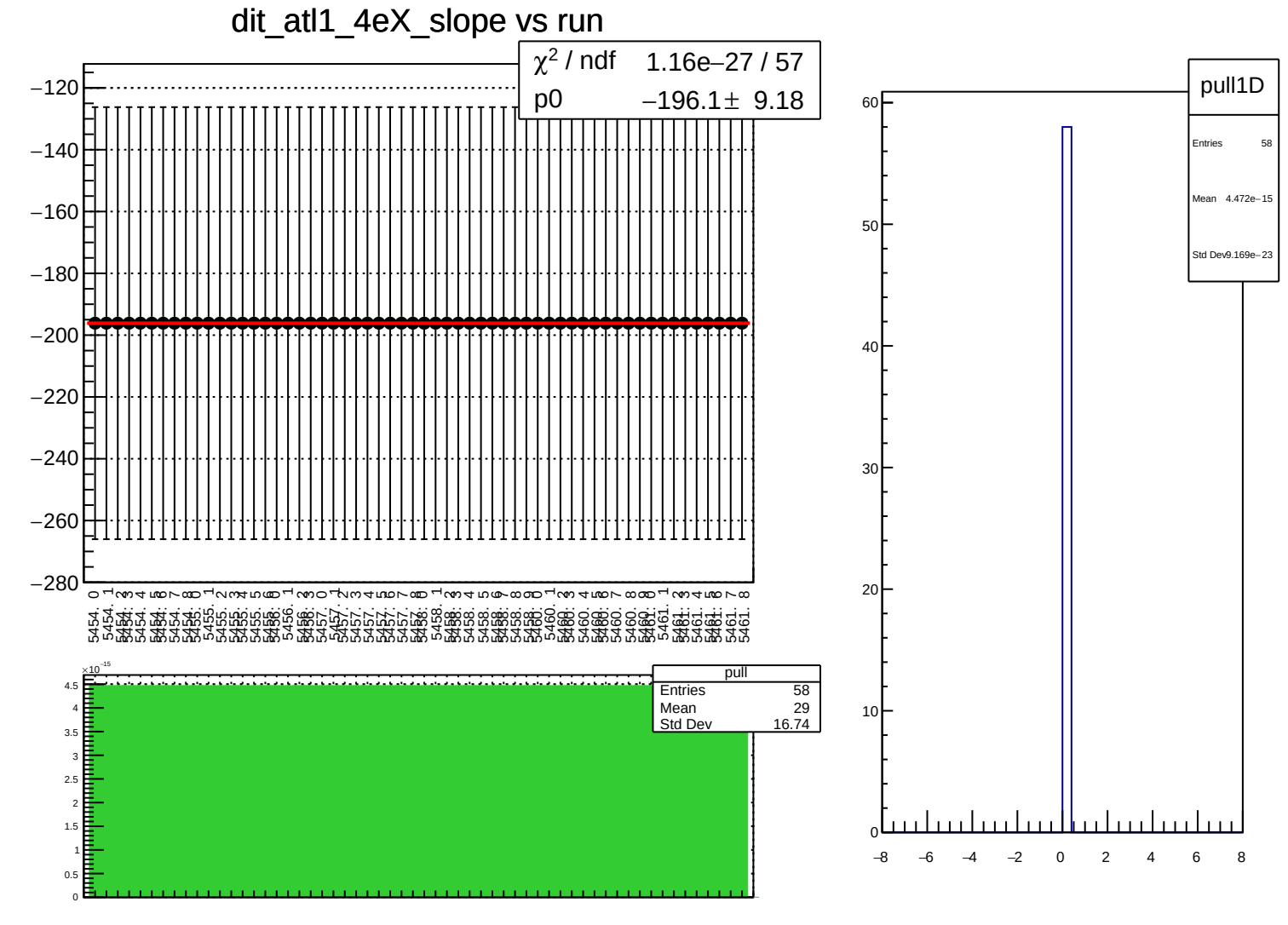

dit_usr_11X12X_slope vs run
χ² / ndf 2.982e−25 / 57
p0 −44.34 ± 0.1822
−43
−43.5
−44
−44.5
−45
−45.5
−46
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −7.171e−14
Std Dev2.541e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

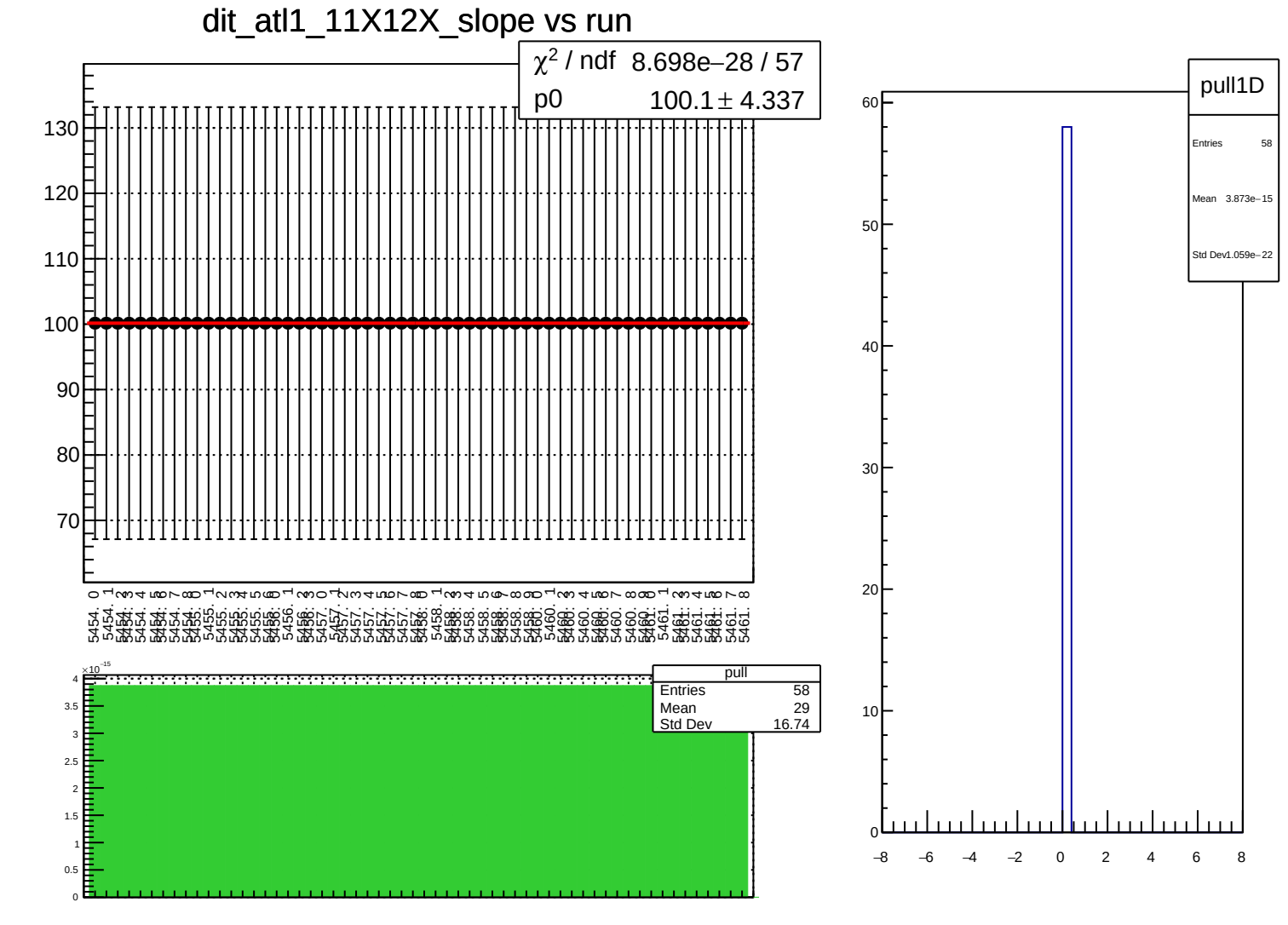

dit_usr_4aY_slope vs run
χ² / ndf 1.429e−29 / 57
p0 26.09 ± 0.9398
pull
Entries 58
Mean 29
Std Dev 16.74

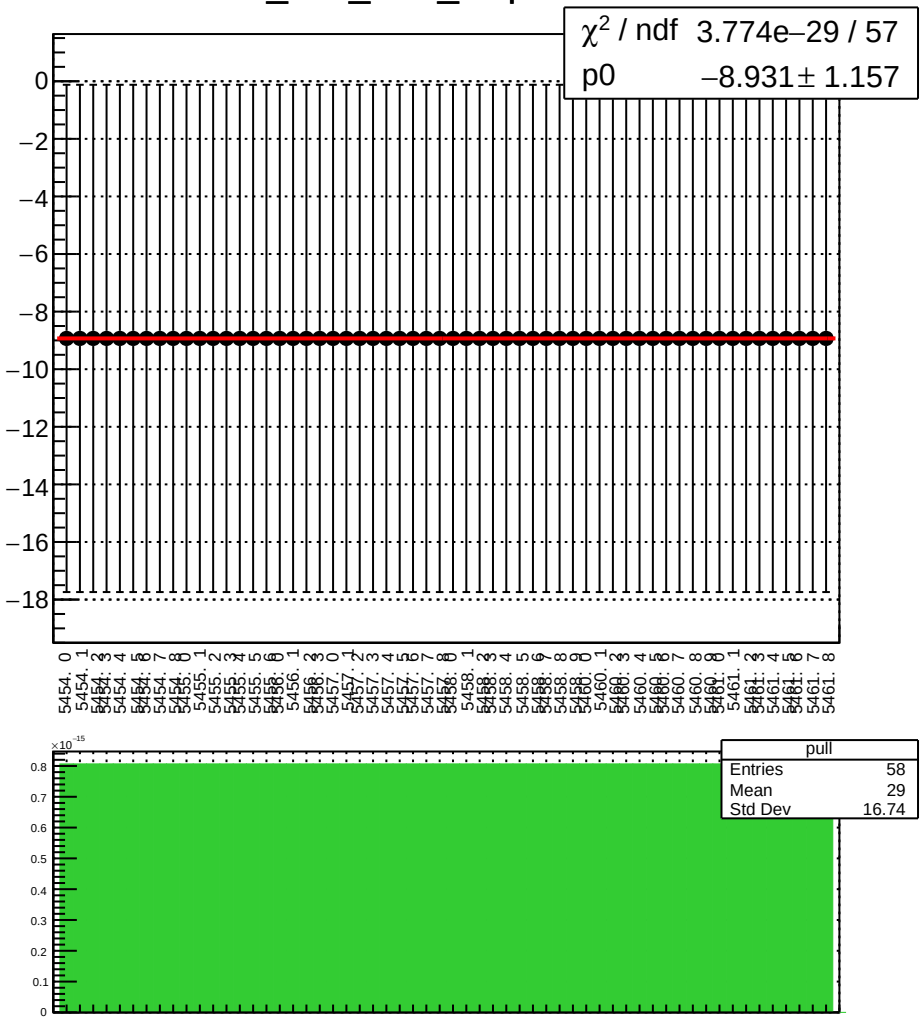

pull1D
Entries 58
Mean 4.964e−16
Std Dev 2.292e−23

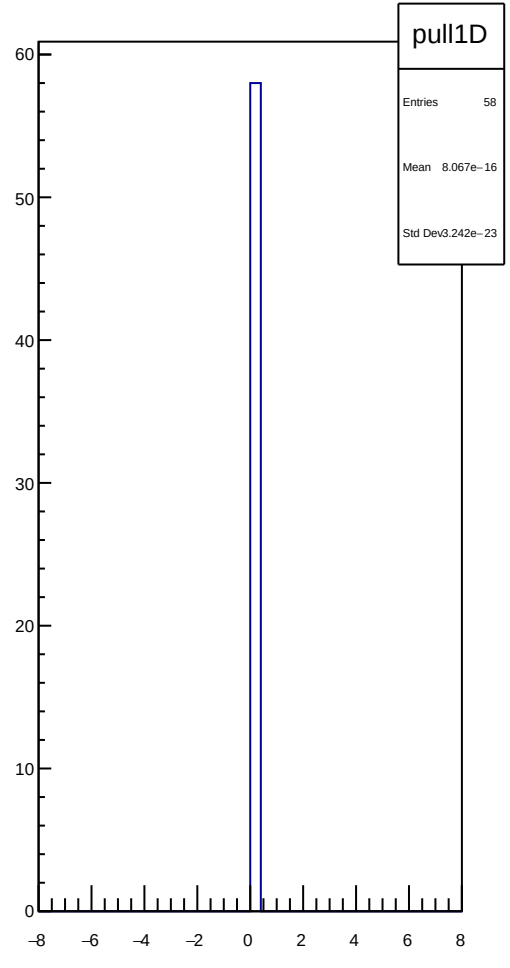

dit_usr_4eY_slope vs run
χ² / ndf 4.616e−29 / 57
p0 −12.06 ± 1.046
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −8.921e−16
Std Dev4.185e−23

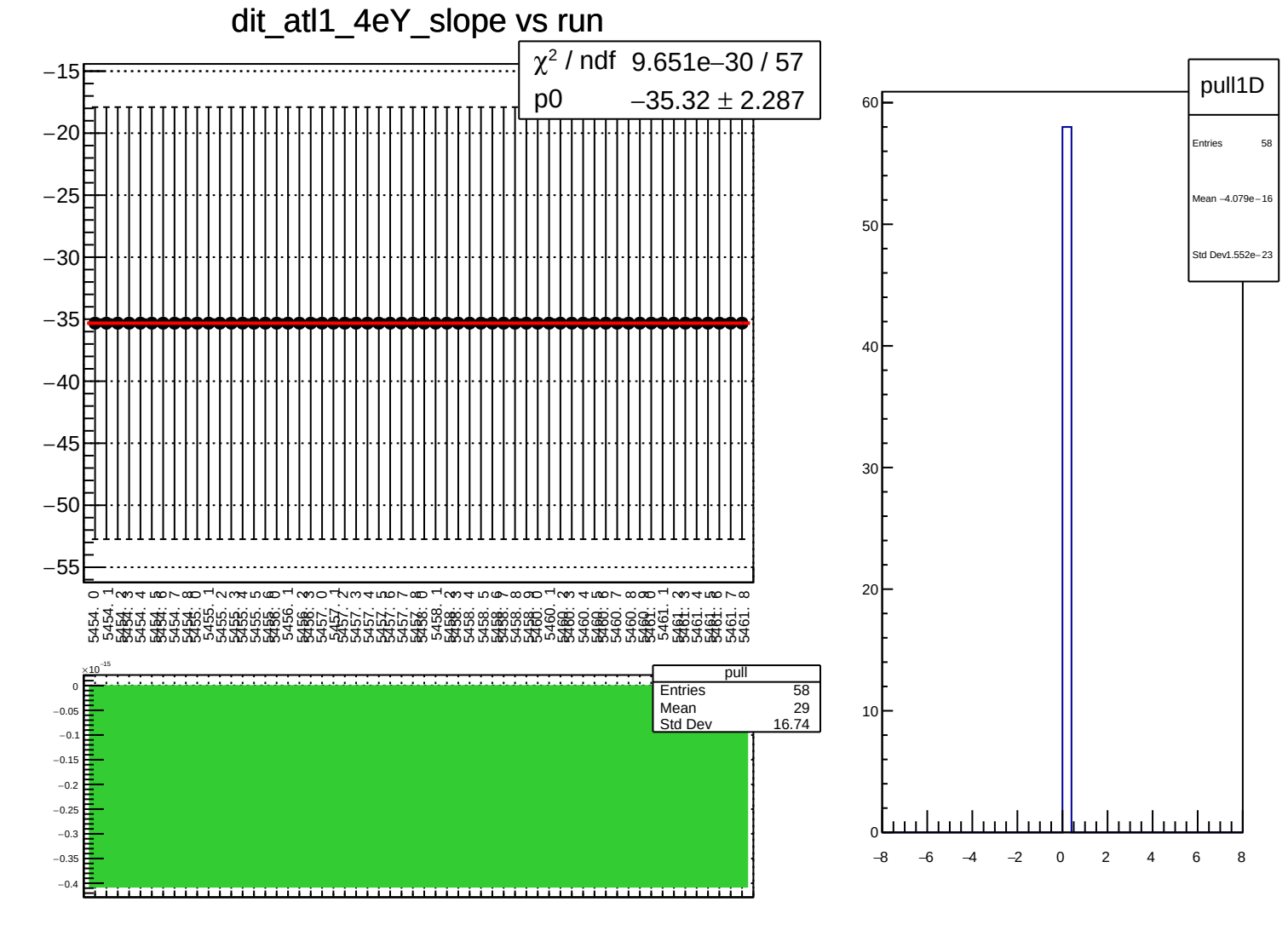

dit_atl1_4aX_slope vs run
χ^2 / ndf 2.281e−27 / 57
p0 232.6 ± 10.12
320
300
280
260
240
220
200
180
160
pull
Entries 58
Mean 29
Std Dev 16.74
×10^-15
6
5
4
3
2
1
0
pull1D
Entries 58
Mean 6.272e−15
Std Dev1.297e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

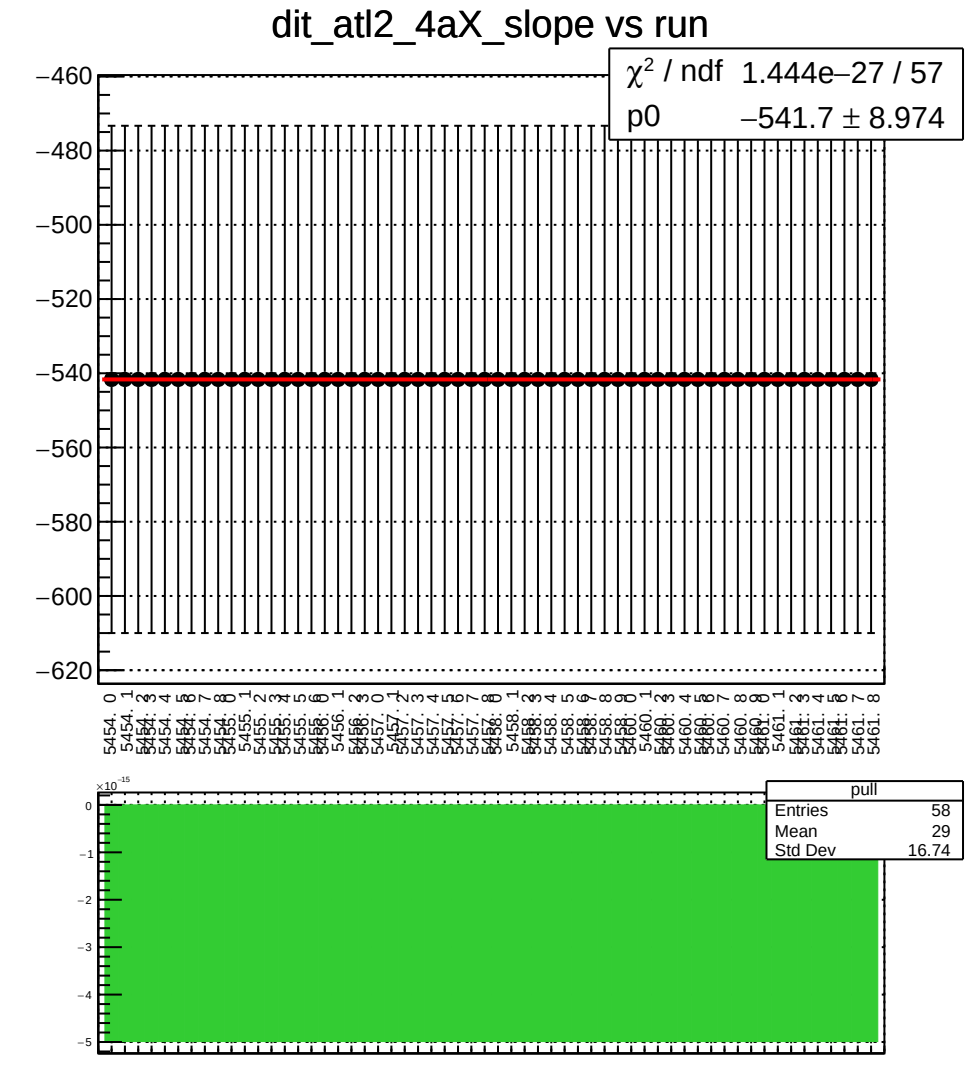

dit_atl1_4eX_slope vs run
χ² / ndf 1.16e−27 / 57
p0 −196.1± 9.18
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 4.472e−15
Std Dev 9.169e−23

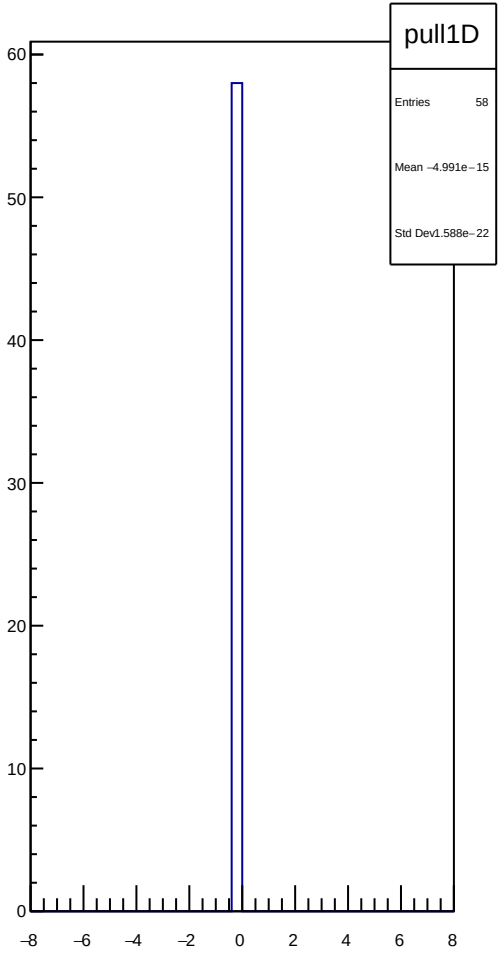

dit_atl1_11X12X_slope vs run
χ² / ndf 8.698e−28 / 57
p0 100.1 ± 4.337
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 3.873e−15
Std Dev 1.059e−22

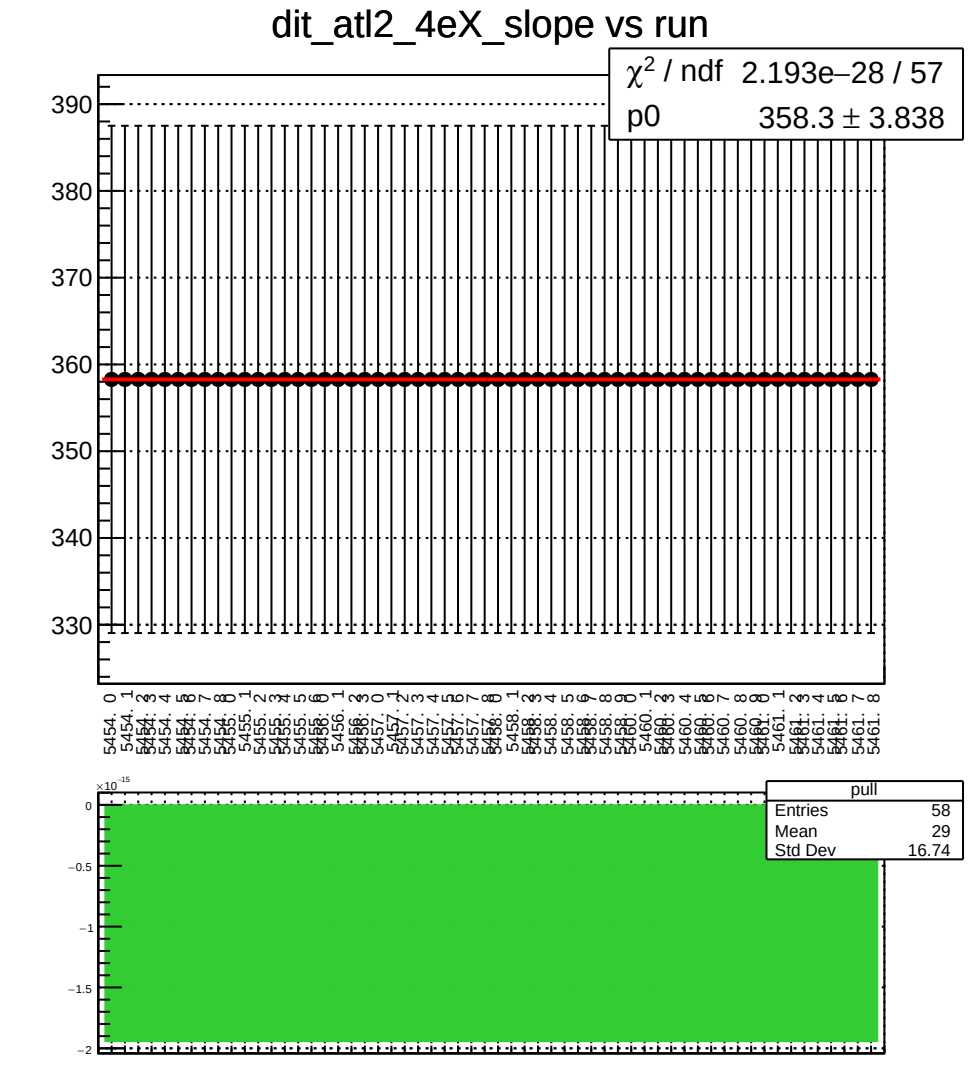

dit_atl1_4aY_slope vs run
χ² / ndf 3.774e−29 / 57
p0 −8.931 ± 1.157
pull
Entries 58
Mean 29
Std Dev 16.74

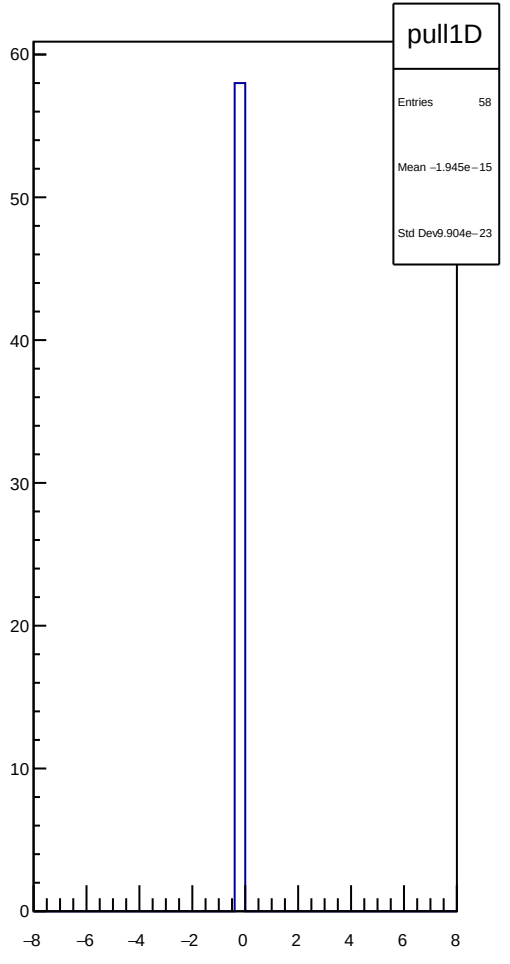

pull1D
Entries 58
Mean 8.067e−16
Std Dev 3.242e−23

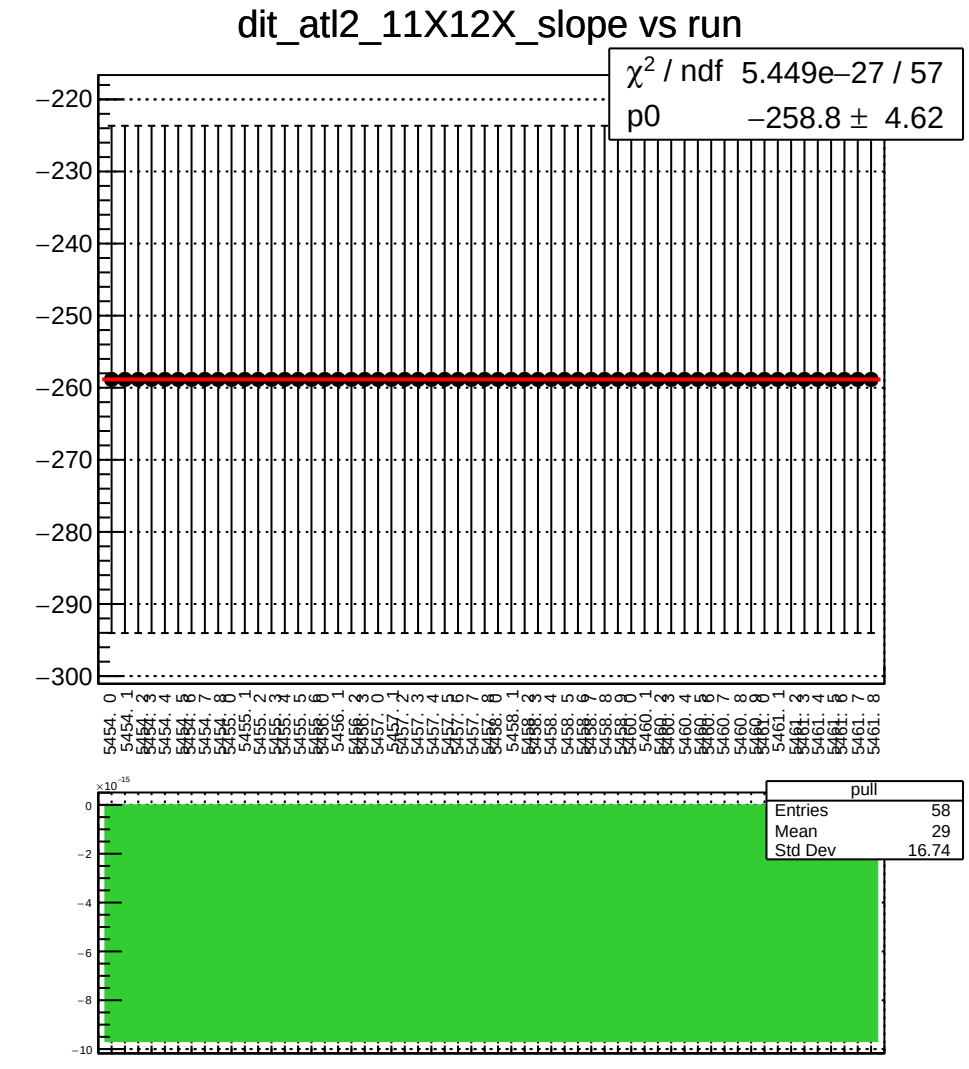

dit_atl1_4eY_slope vs run
χ² / ndf 9.651e−30 / 57
p0 −35.32 ± 2.287
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −4.079e−16
Std Dev1.552e−23

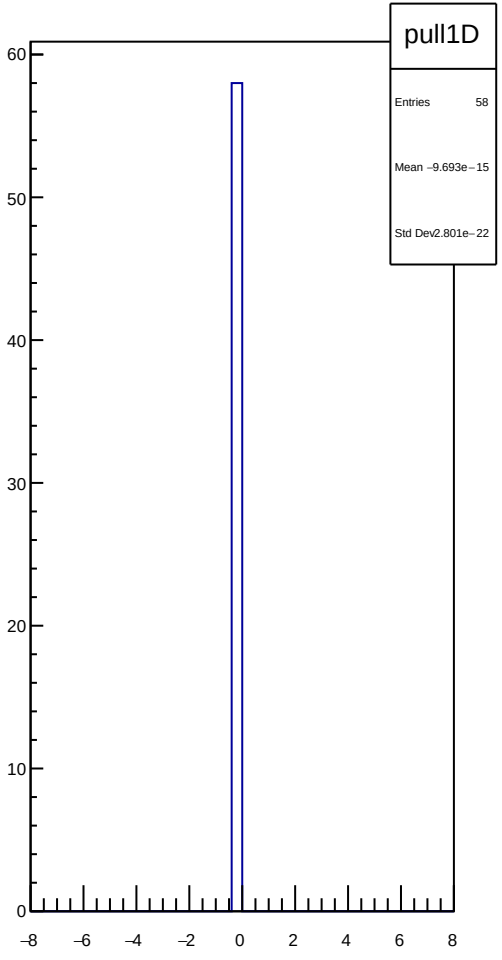

dit_atl2_4aX_slope vs run
χ² / ndf 1.444e−27 / 57
p0 −541.7 ± 8.974
pull
Entries 58
Mean 29
Std Dev 16.74

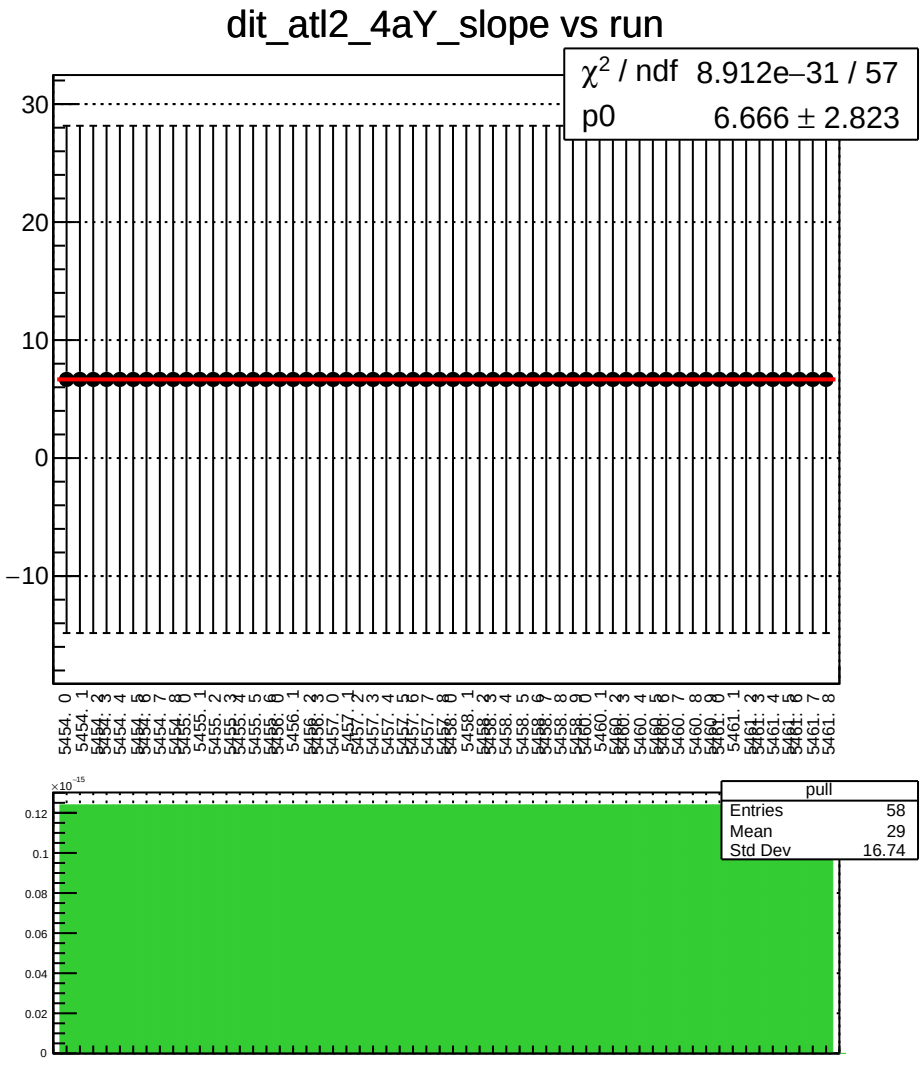

pull1D
Entries 58
Mean −4.991e−15
Std Dev1.588e−22

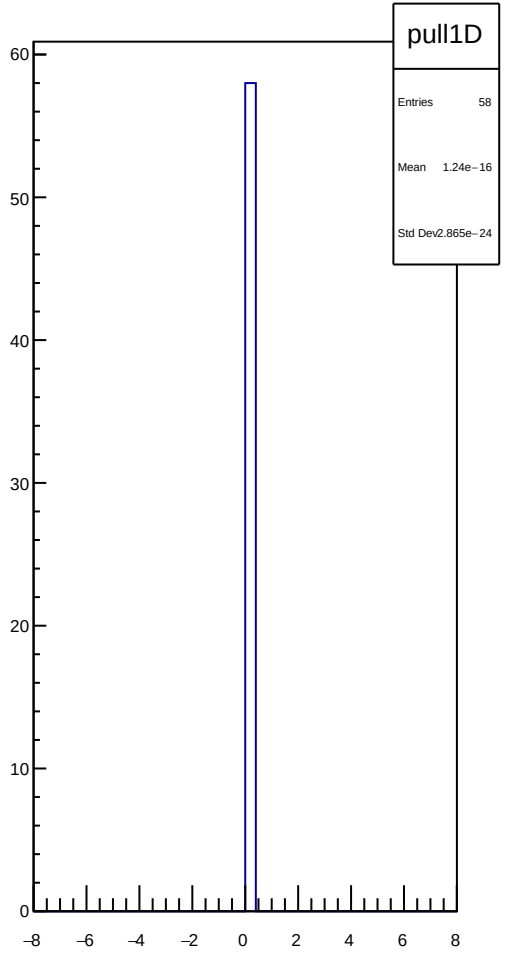

dit_atl2_4eX_slope vs run
χ² / ndf 2.193e−28 / 57
p0 358.3 ± 3.838
390
380
370
360
350
340
330
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

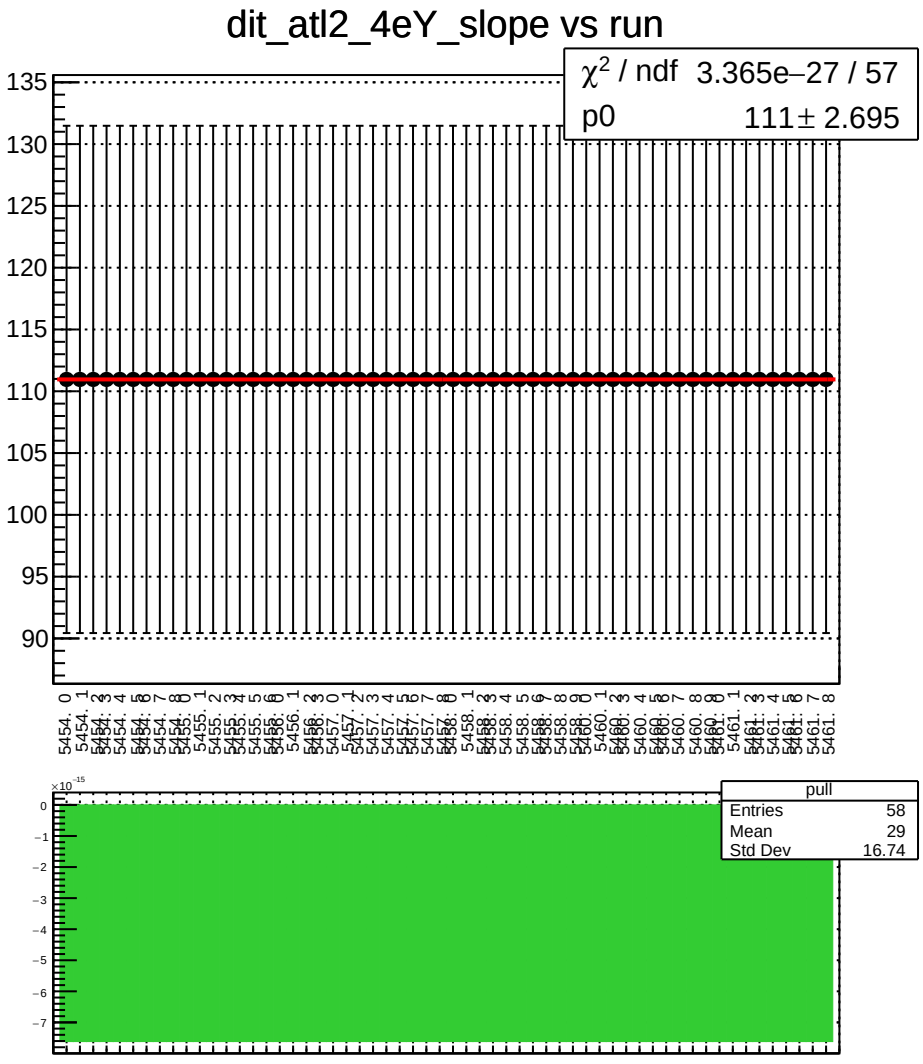

pull1D
Entries 58
Mean −1.945e−15
Std Dev 9.904e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

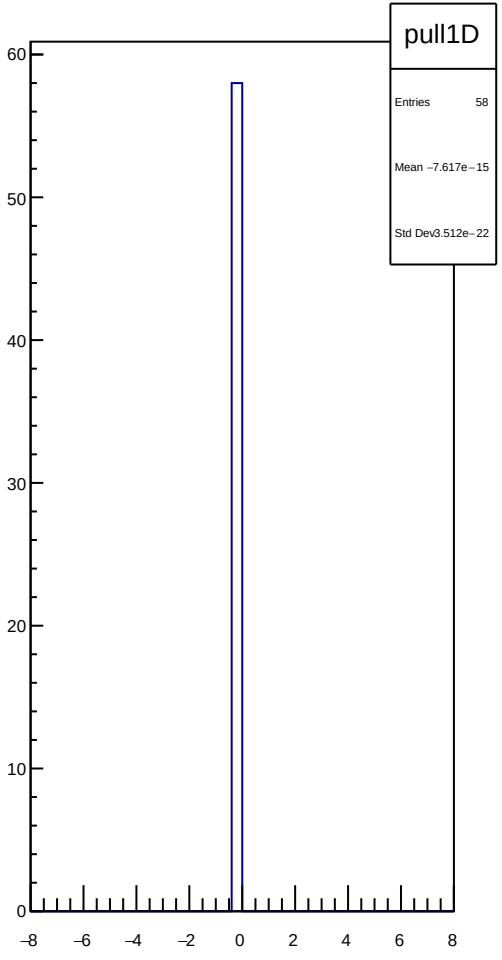

dit_atl2_11X12X_slope vs run
χ² / ndf 5.449e−27 / 57
p0 −258.8 ± 4.62
pull
Entries 58
Mean 29
Std Dev 16.74

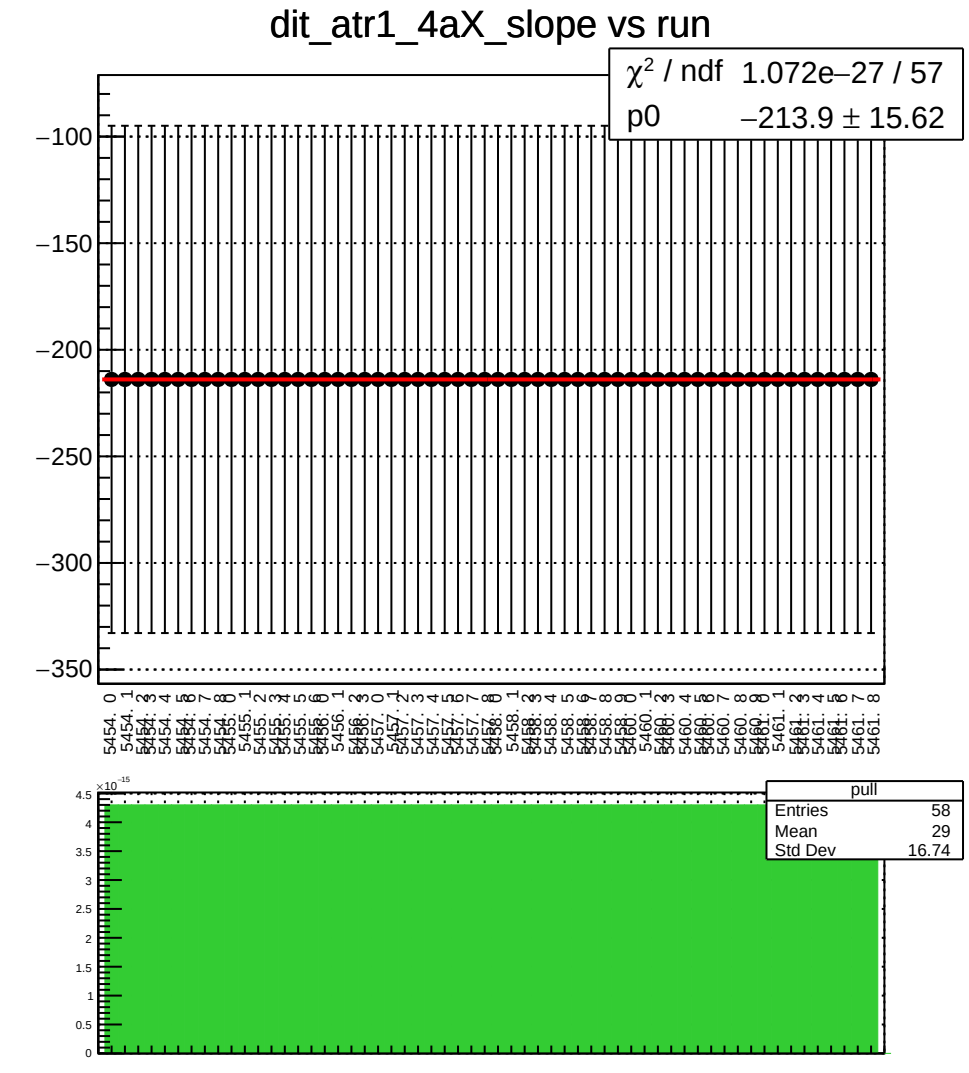

pull1D
Entries 58
Mean −9.693e−15
Std Dev 2.801e−22

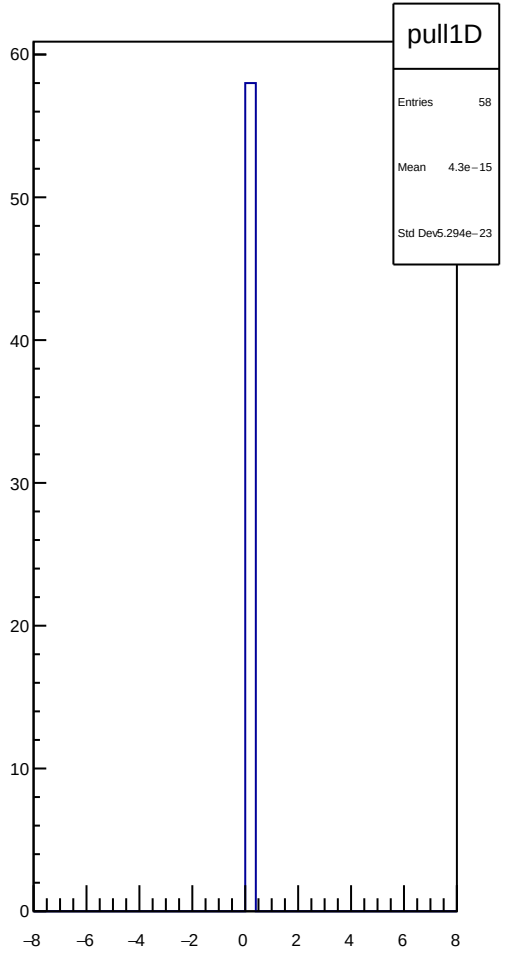

dit_atl2_4aY_slope vs run
χ² / ndf 8.912e−31 / 57
p0 6.666 ± 2.823
pull
Entries 58
Mean 29
Std Dev 16.74

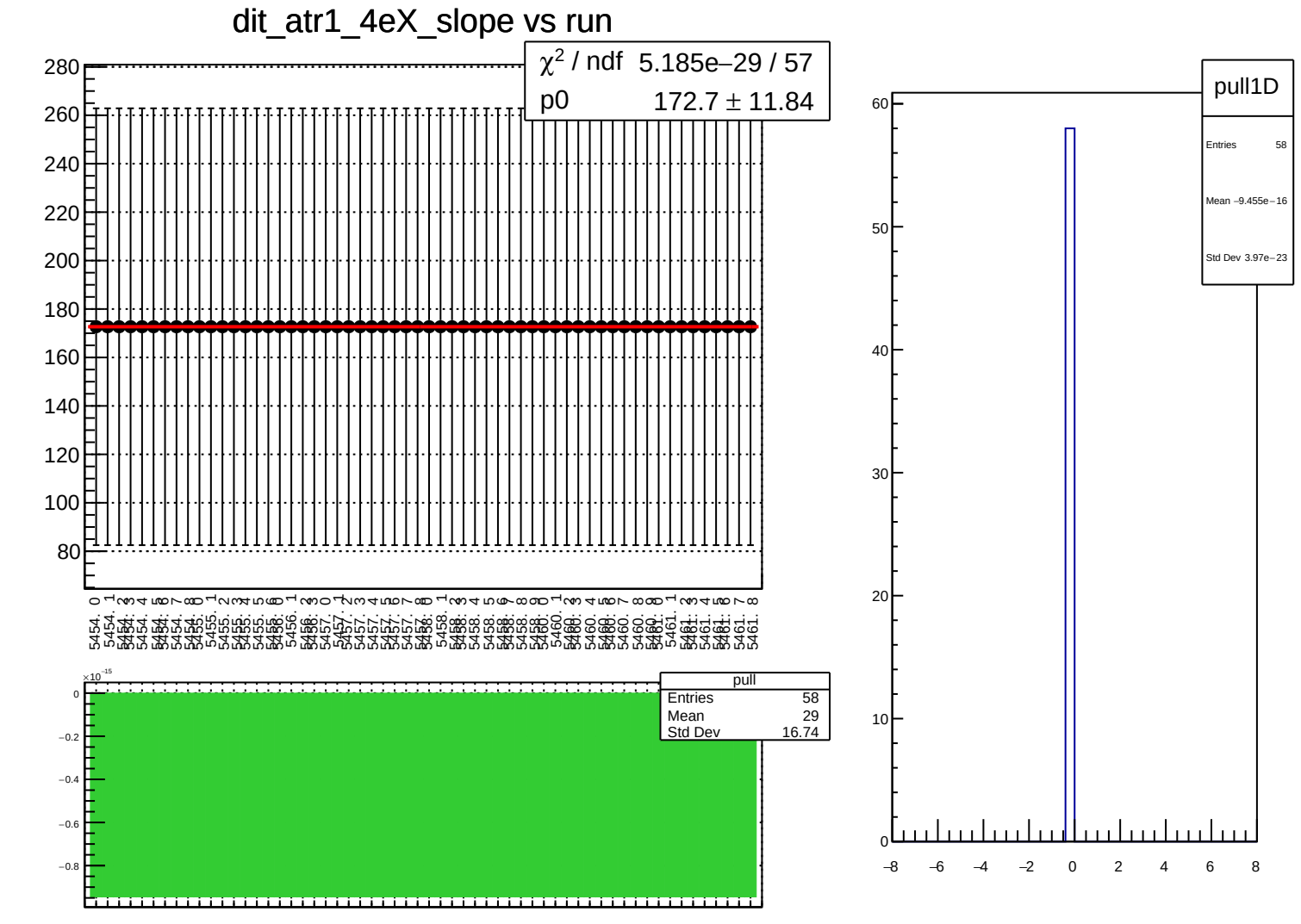

pull1D
Entries 58
Mean 1.24e−16
Std Dev2.865e−24

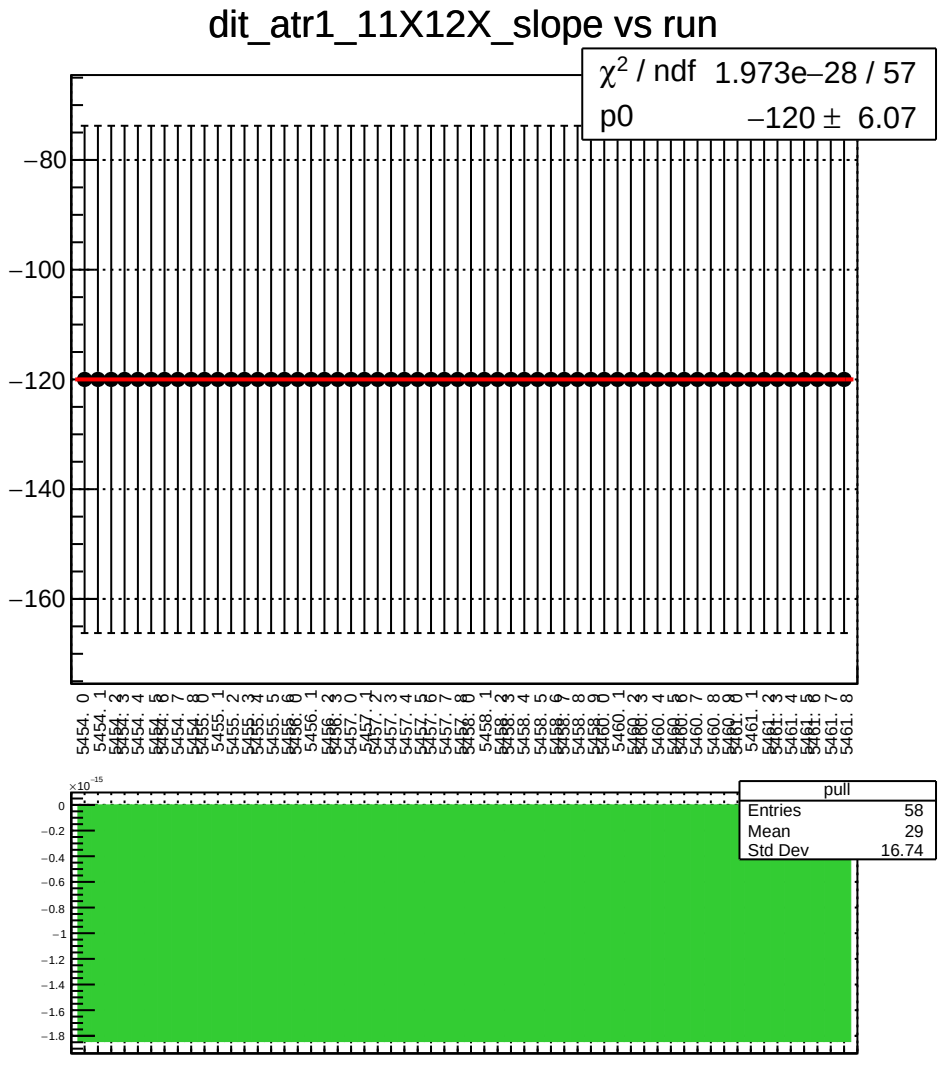

dit_atl2_4eY_slope vs run
χ² / ndf 3.365e−27 / 57
p0 111 ± 2.695
pull
Entries 58
Mean 29
Std Dev 16.74

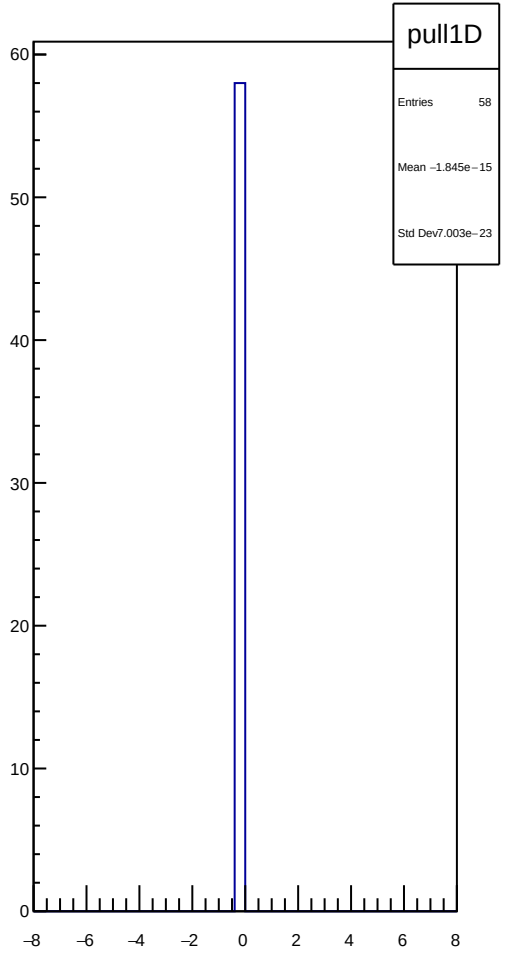

pull1D
Entries 58
Mean −7.617e−15
Std Dev 3.512e−22

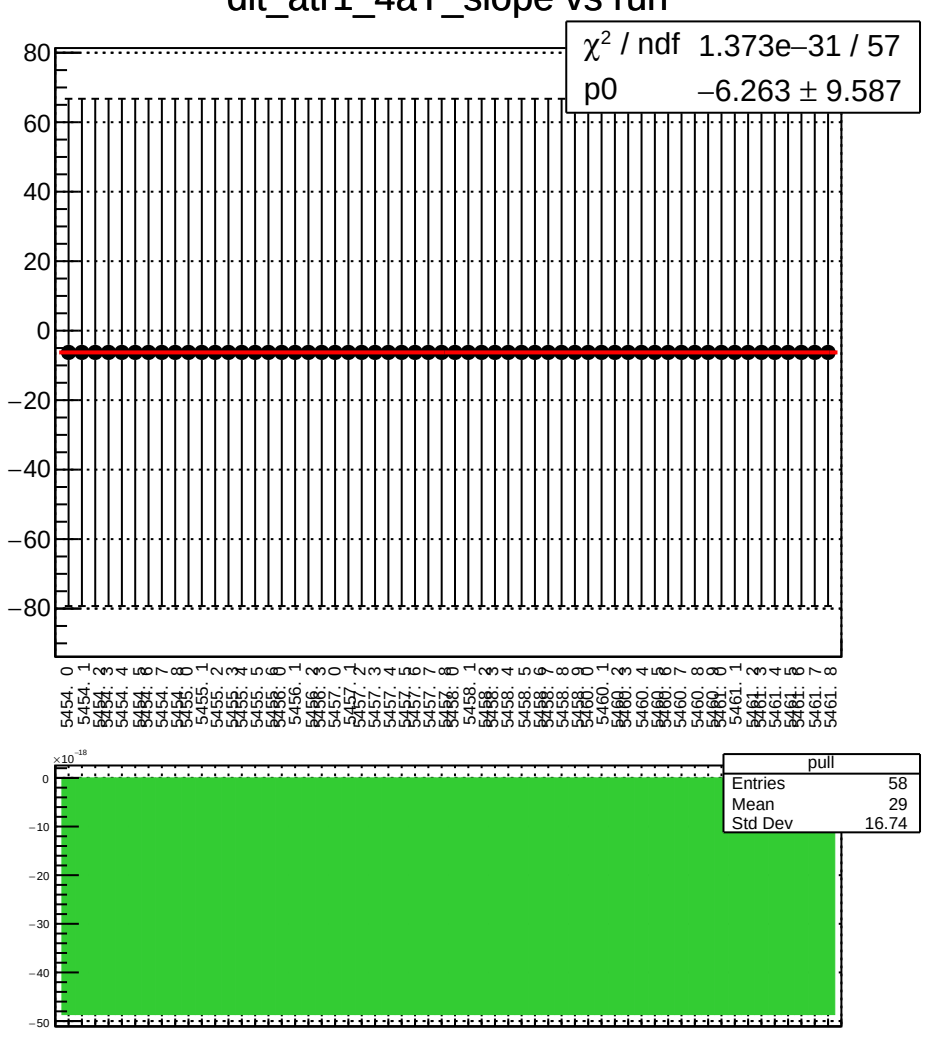

dit_atr1_4aX_slope vs run
χ² / ndf 1.072e−27 / 57
p0 −213.9 ± 15.62
−100
−150
−200
−250
−300
−350
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

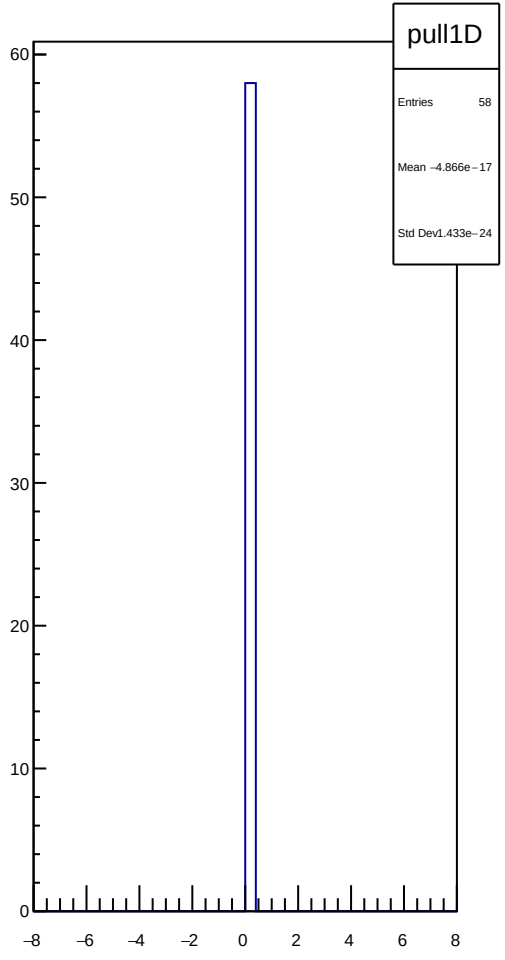

pull1D
Entries 58
Mean 4.3e−15
Std Dev 5.294e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

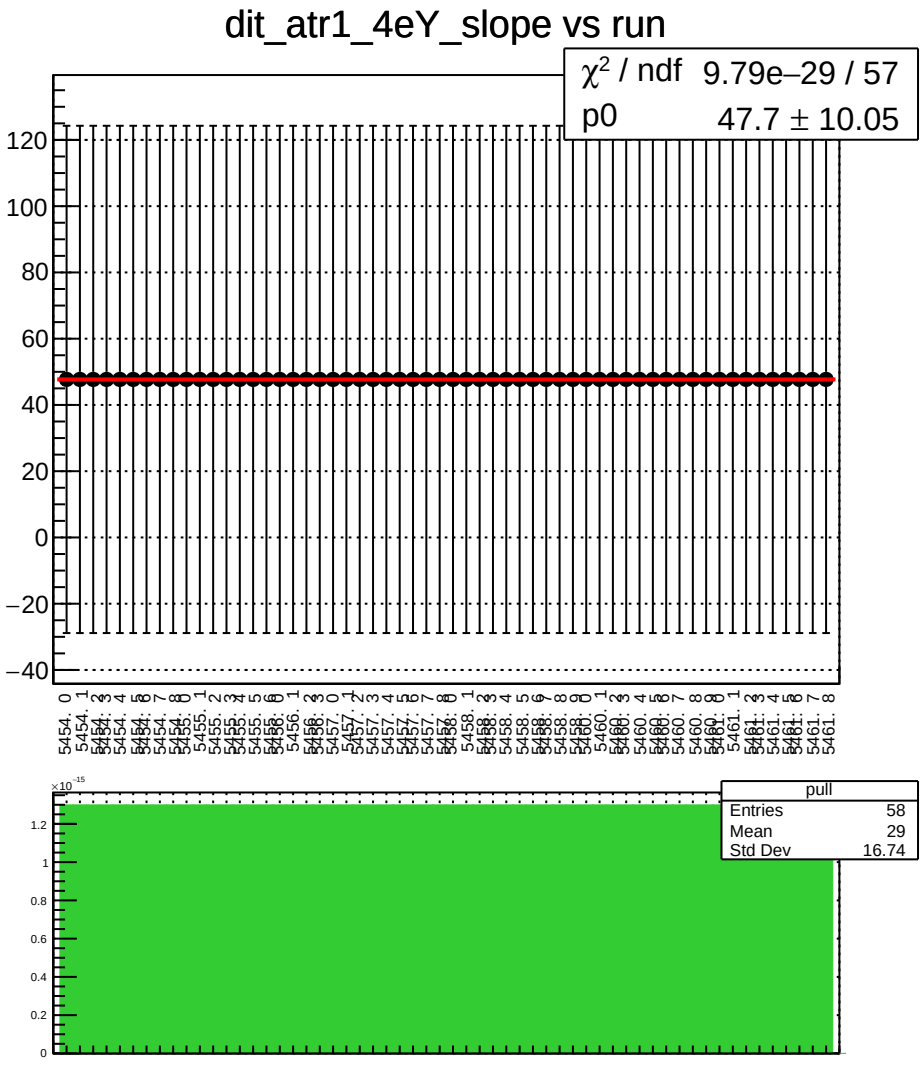

dit_atr1_4eX_slope vs run
χ² / ndf 5.185e−29 / 57
p0 172.7 ± 11.84
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −9.455e−16
Std Dev 3.97e−23

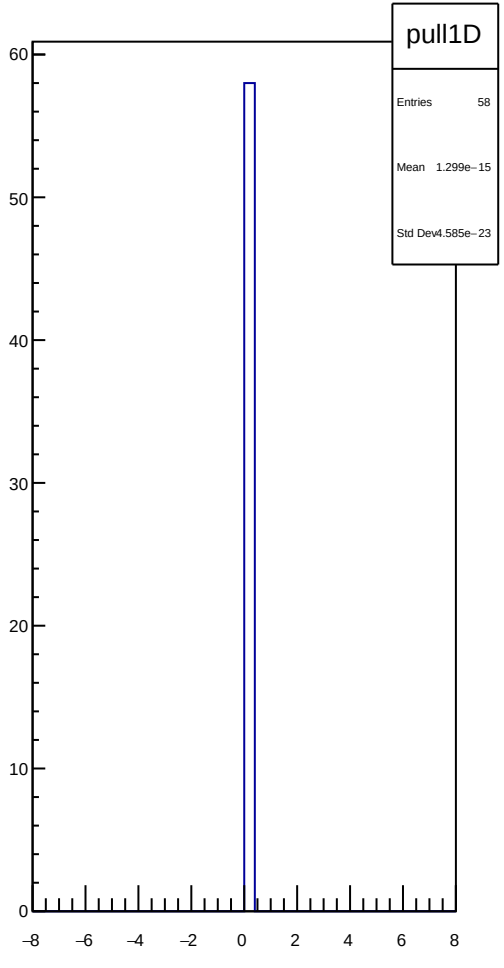

dit_atr1_11X12X_slope vs run
χ² / ndf 1.973e−28 / 57
p0 −120 ± 6.07
−80
−100
−120
−140
−160
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8

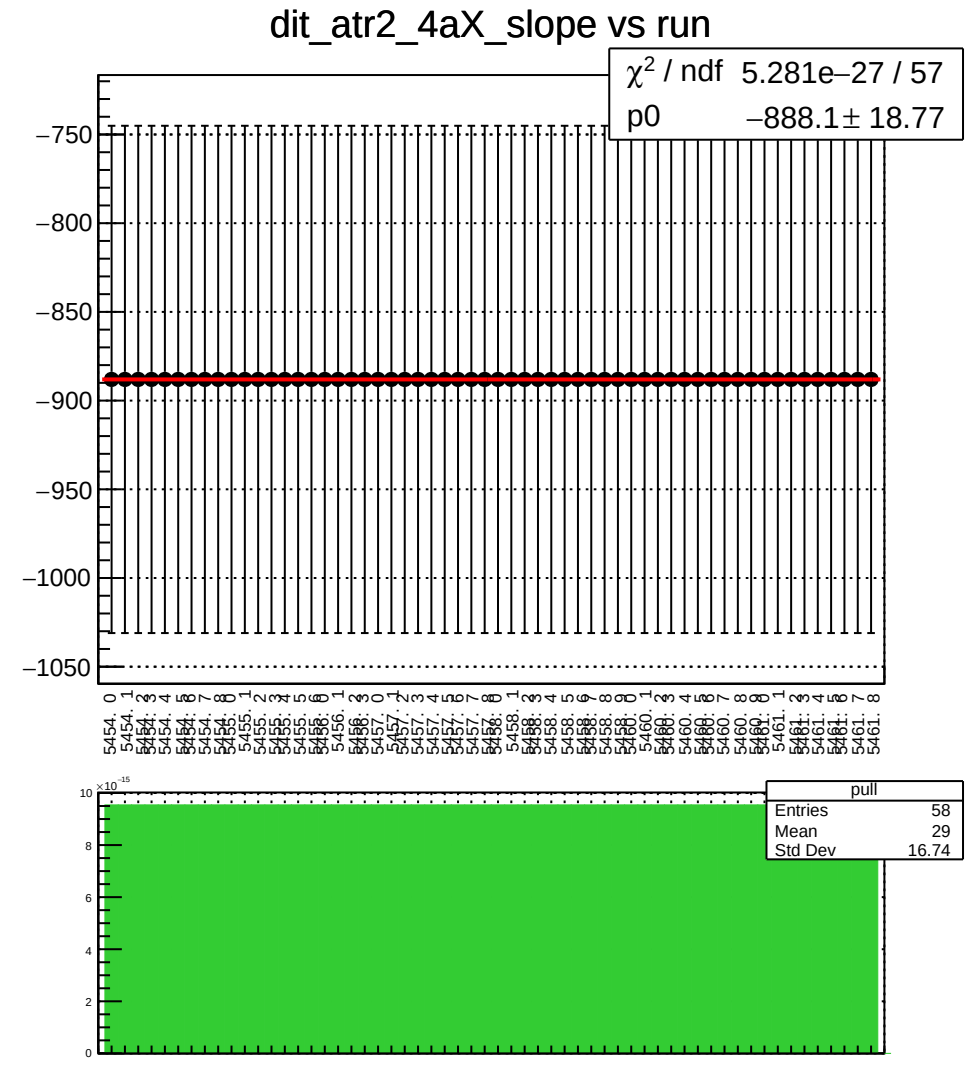

pull1D
Entries 58
Mean −1.845e−15
Std Dev7.003e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

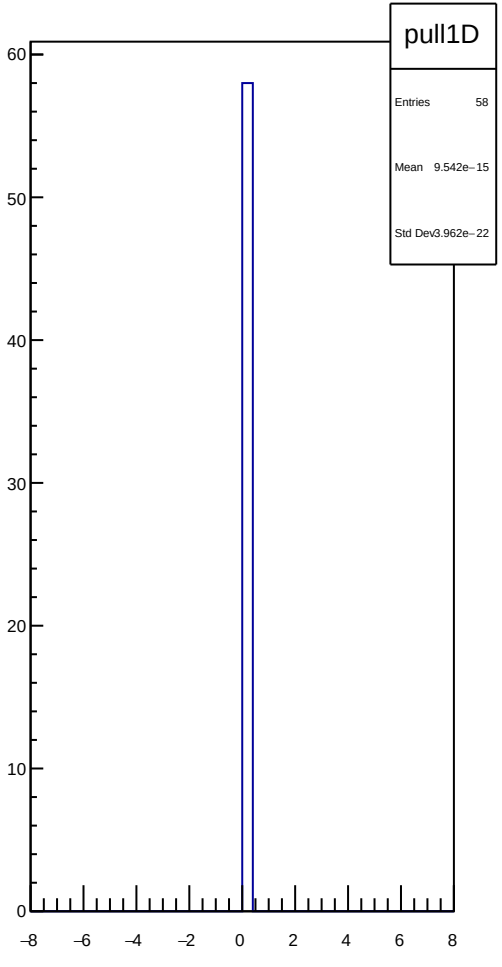

dit_atr1_4aY_slope vs run
χ² / ndf 1.373e−31 / 57
p0 −6.263 ± 9.587
pull
Entries 58
Mean 29
Std Dev 16.74

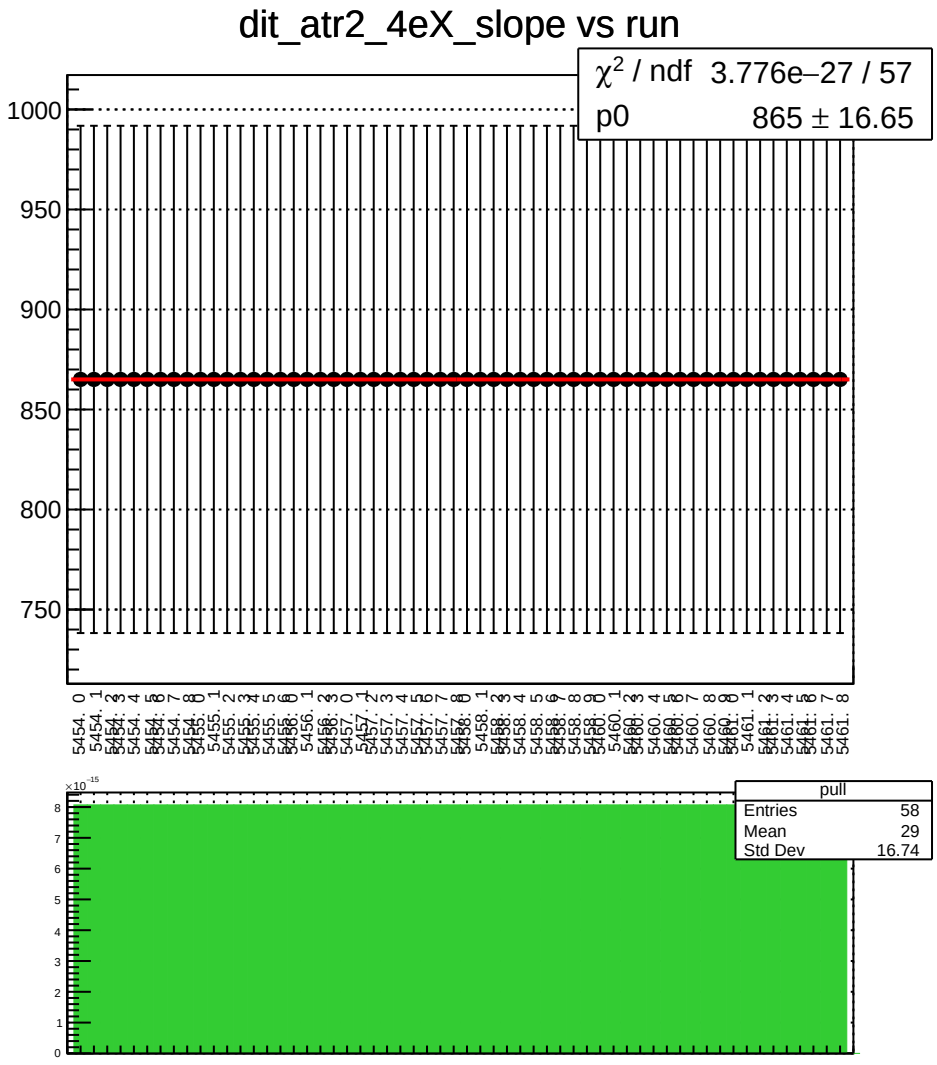

pull1D
Entries 58
Mean −4.866e−17
Std Dev1.433e−24

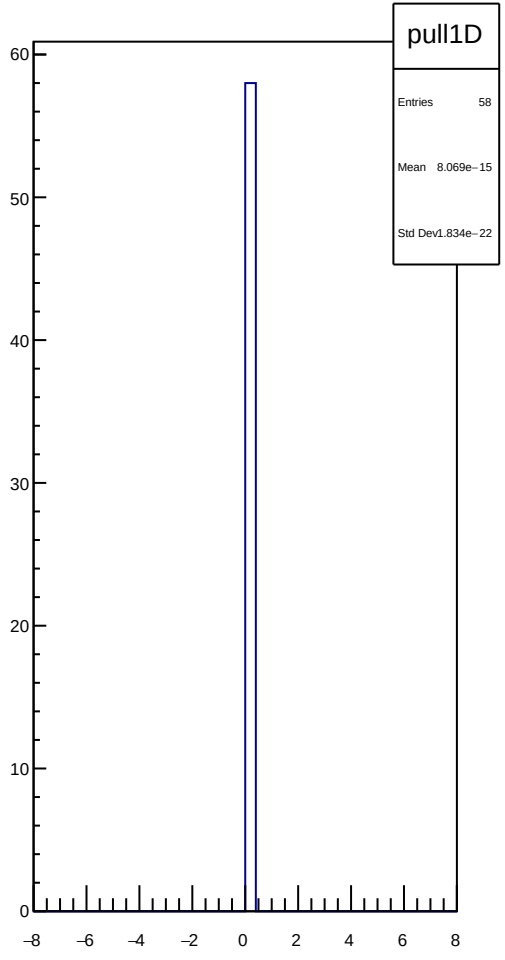

dit_atr1_4eY_slope vs run
χ² / ndf 9.79e−29 / 57
p0 47.7 ± 10.05
pull
Entries 58
Mean 29
Std Dev 16.74

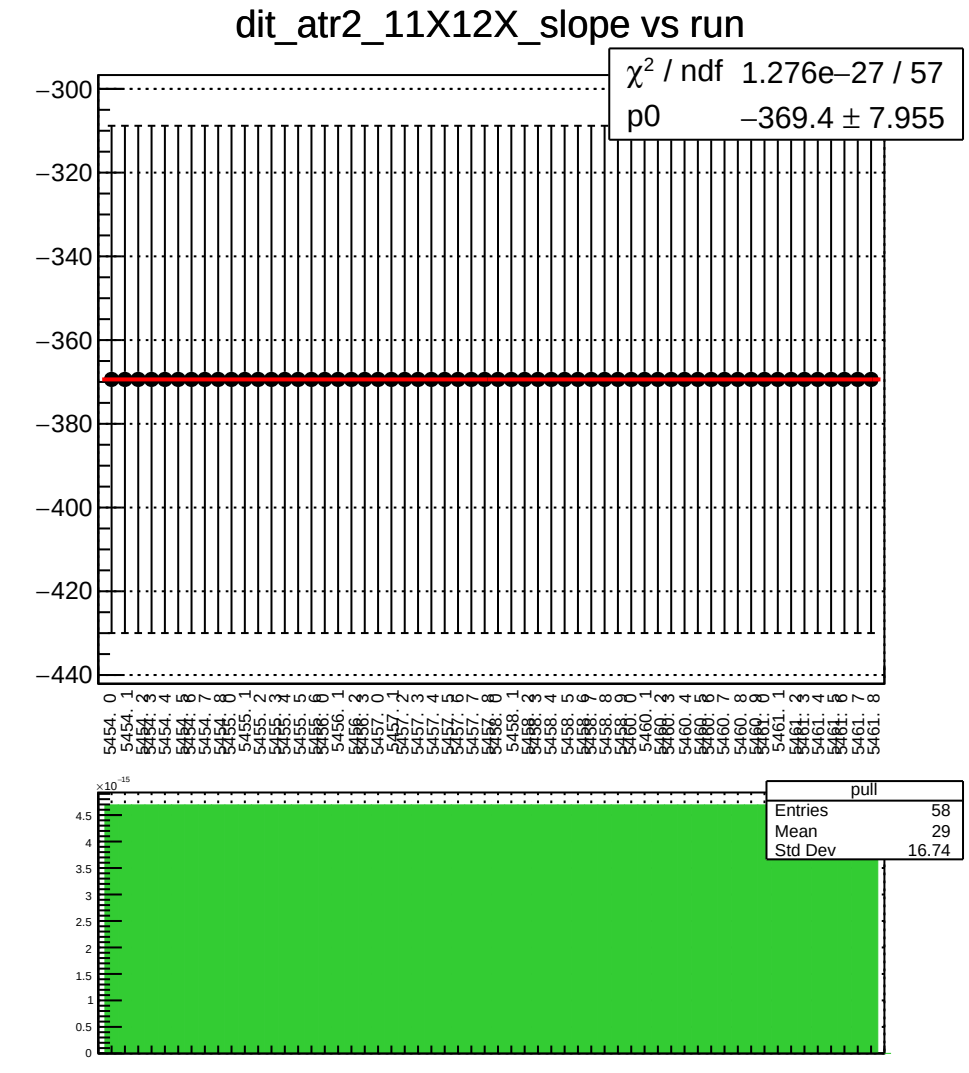

pull1D
Entries 58
Mean 1.299e−15
Std Dev4.585e−23

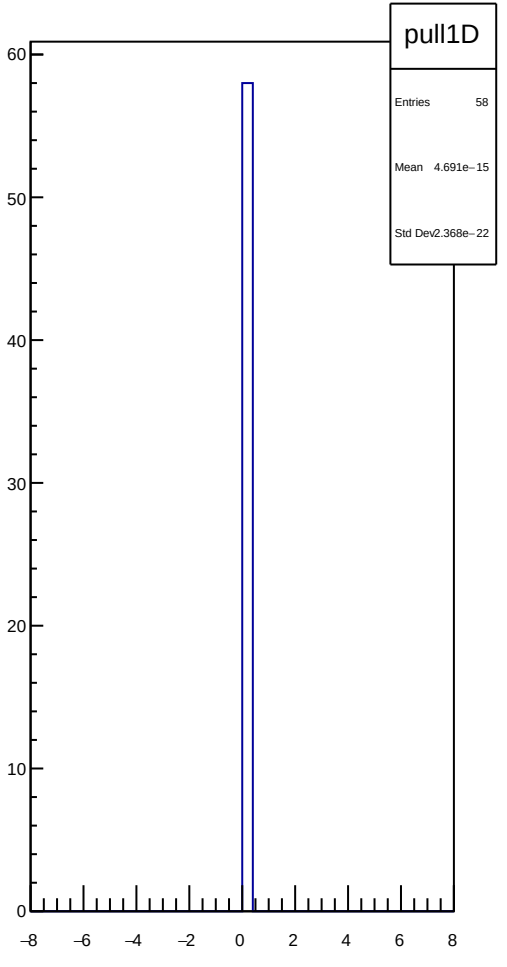

dit_atr2_4aX_slope vs run
χ² / ndf 5.281e−27 / 57
p0 −888.1± 18.77
pull
Entries 58
Mean 29
Std Dev 16.74

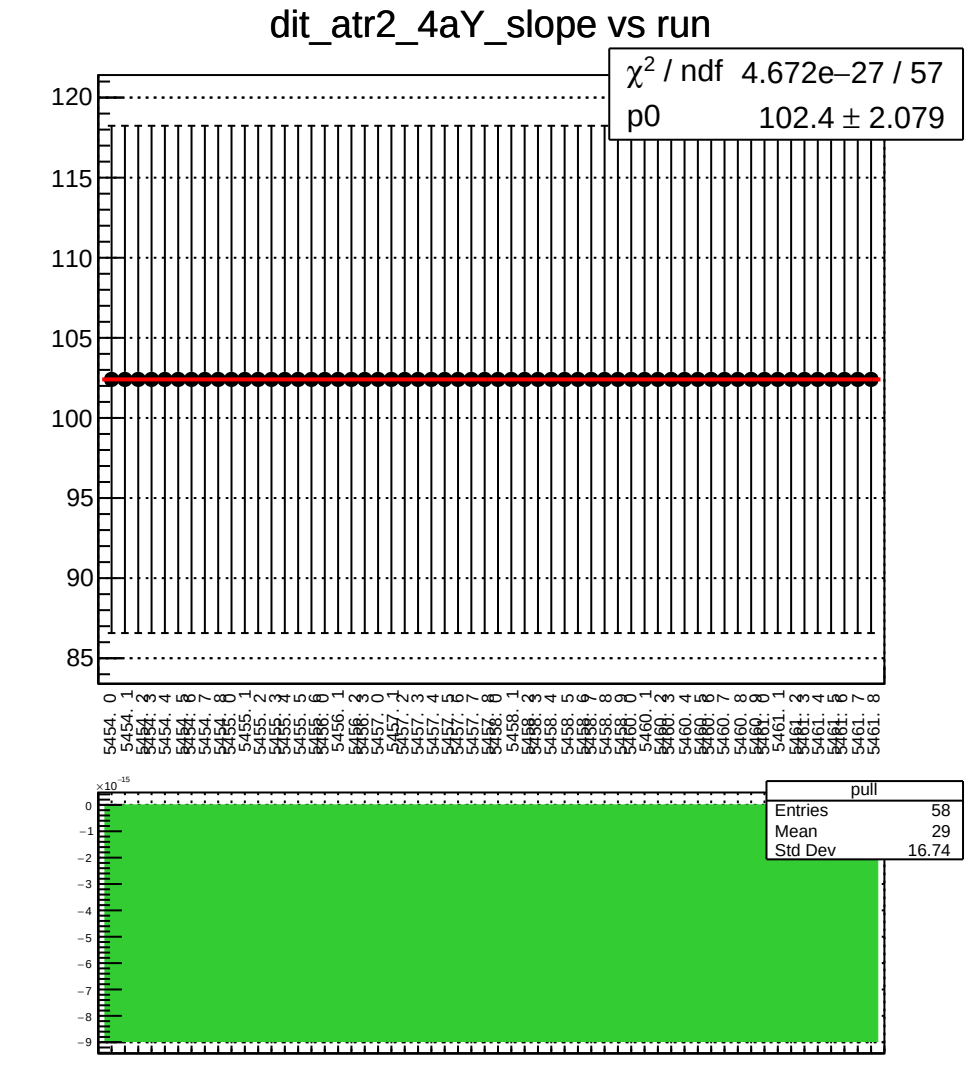

pull1D
Entries 58
Mean 9.542e−15
Std Dev 3.962e−22

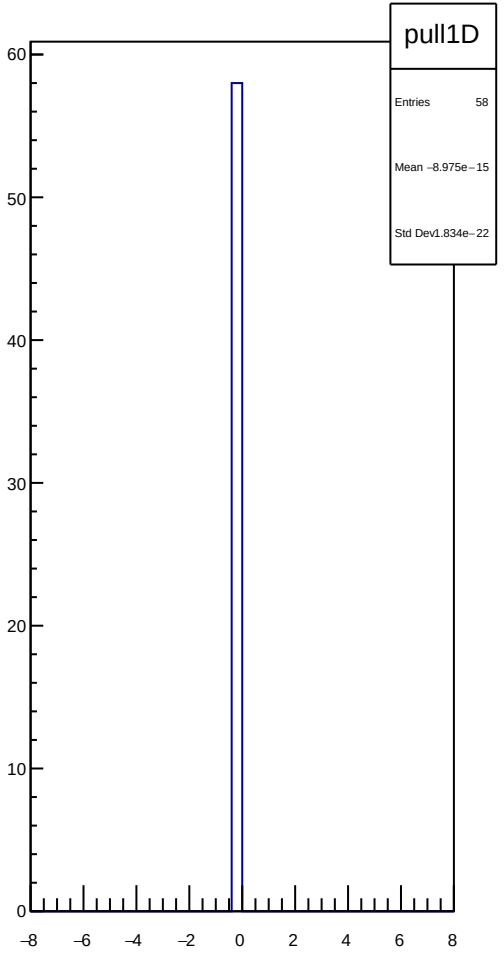

dit_atr2_4eX_slope vs run
χ^2 / ndf 3.776e−27 / 57
p0 865 ± 16.65
1000
950
900
850
800
750
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

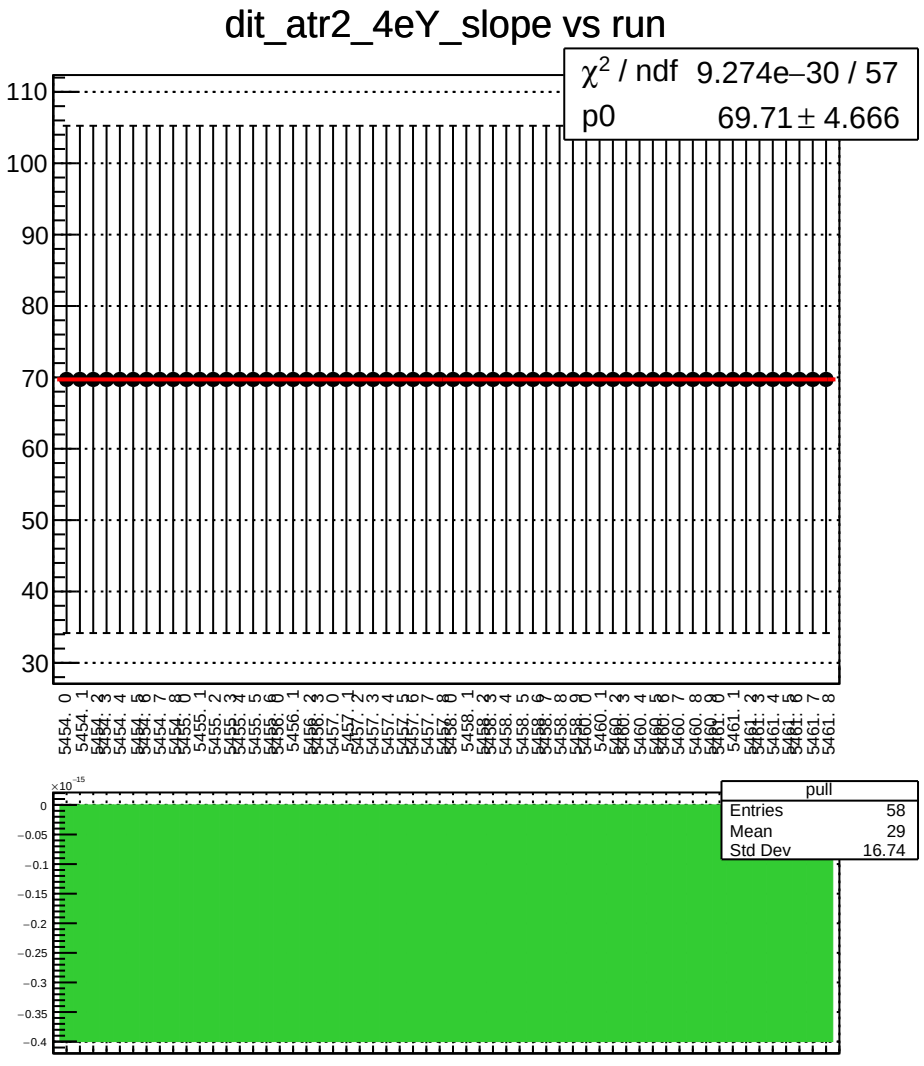

pull1D
Entries 58
Mean 8.069e−15
Std Dev1.834e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

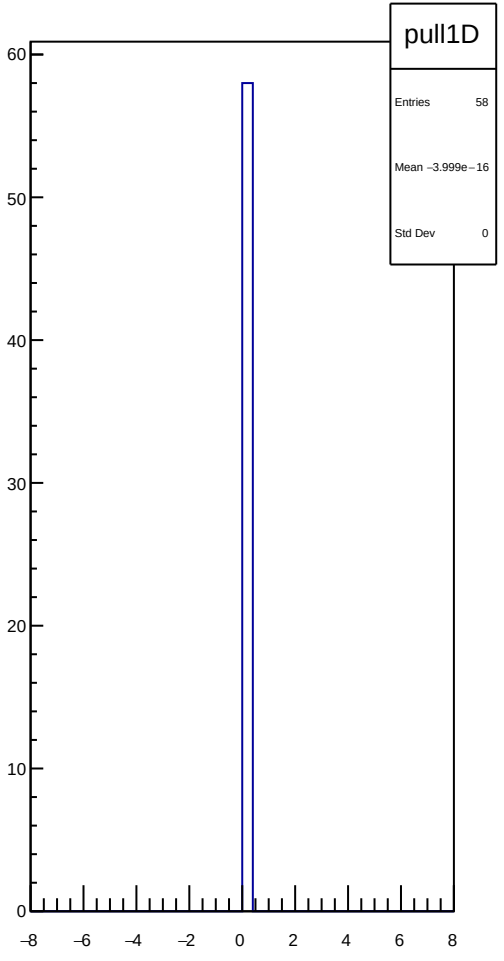

dit_atr2_11X12X_slope vs run
χ² / ndf 1.276e−27 / 57
p0 −369.4 ± 7.955
−300
−320
−340
−360
−380
−400
−420
−440
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

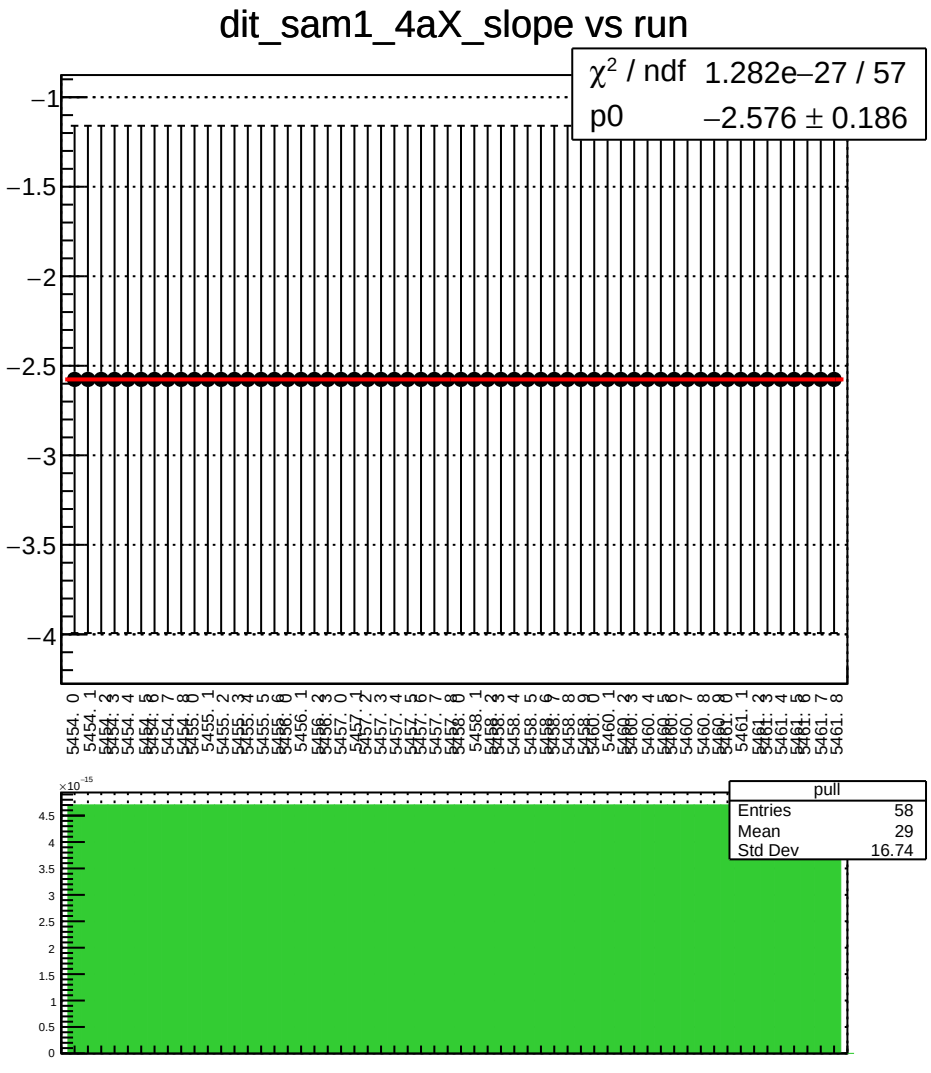

pull1D
Entries 58
Mean 4.691e−15
Std Dev 2.368e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

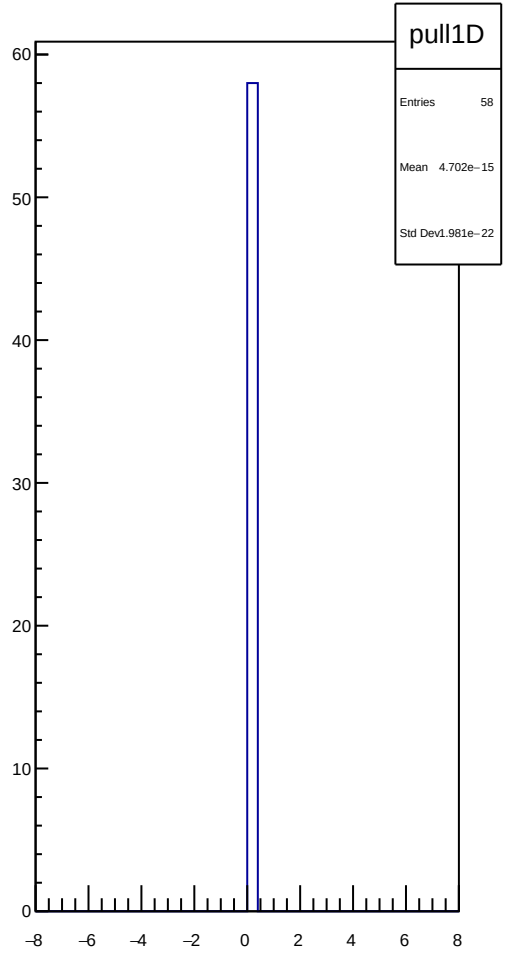

dit_atr2_4aY_slope vs run
χ² / ndf 4.672e−27 / 57
p0 102.4 ± 2.079
pull
Entries 58
Mean 29
Std Dev 16.74

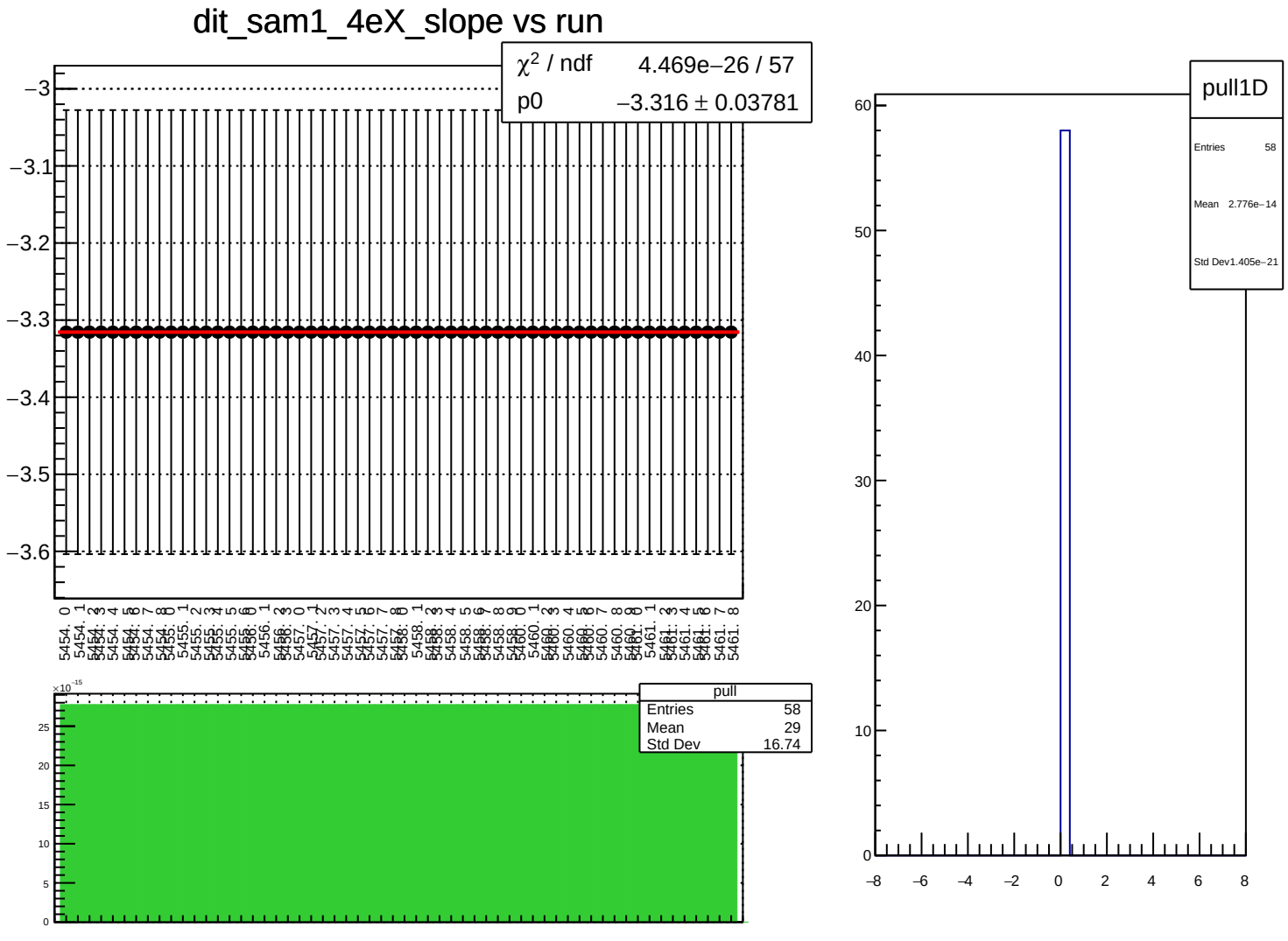

pull1D
Entries 58
Mean −8.975e−15
Std Dev1.834e−22

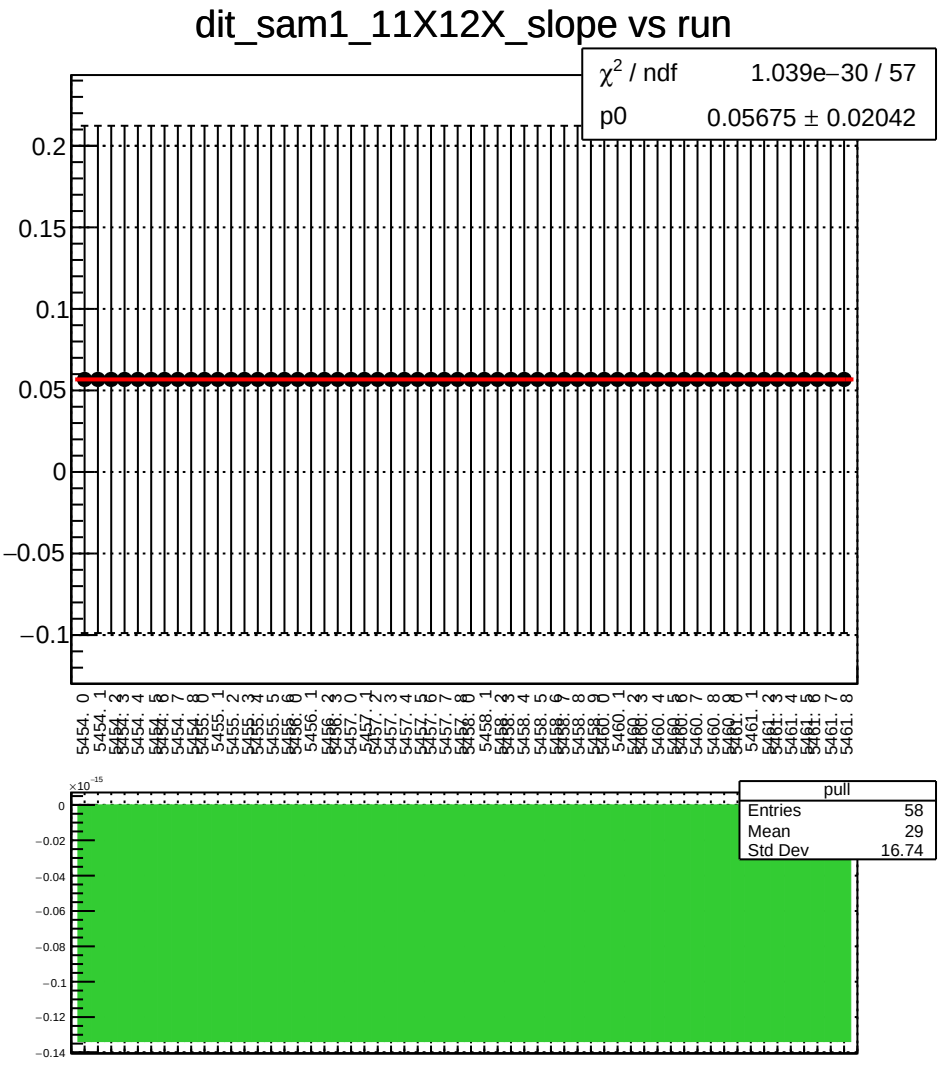

dit_atr2_4eY_slope vs run
χ² / ndf 9.274e−30 / 57
p0 69.71 ± 4.666
pull
Entries 58
Mean 29
Std Dev 16.74

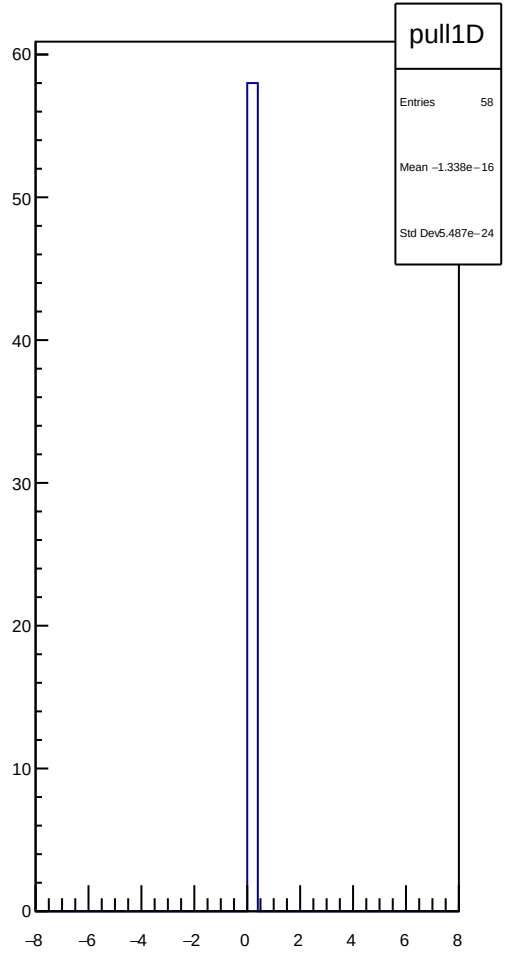

pull1D
Entries 58
Mean −3.999e−16
Std Dev 0

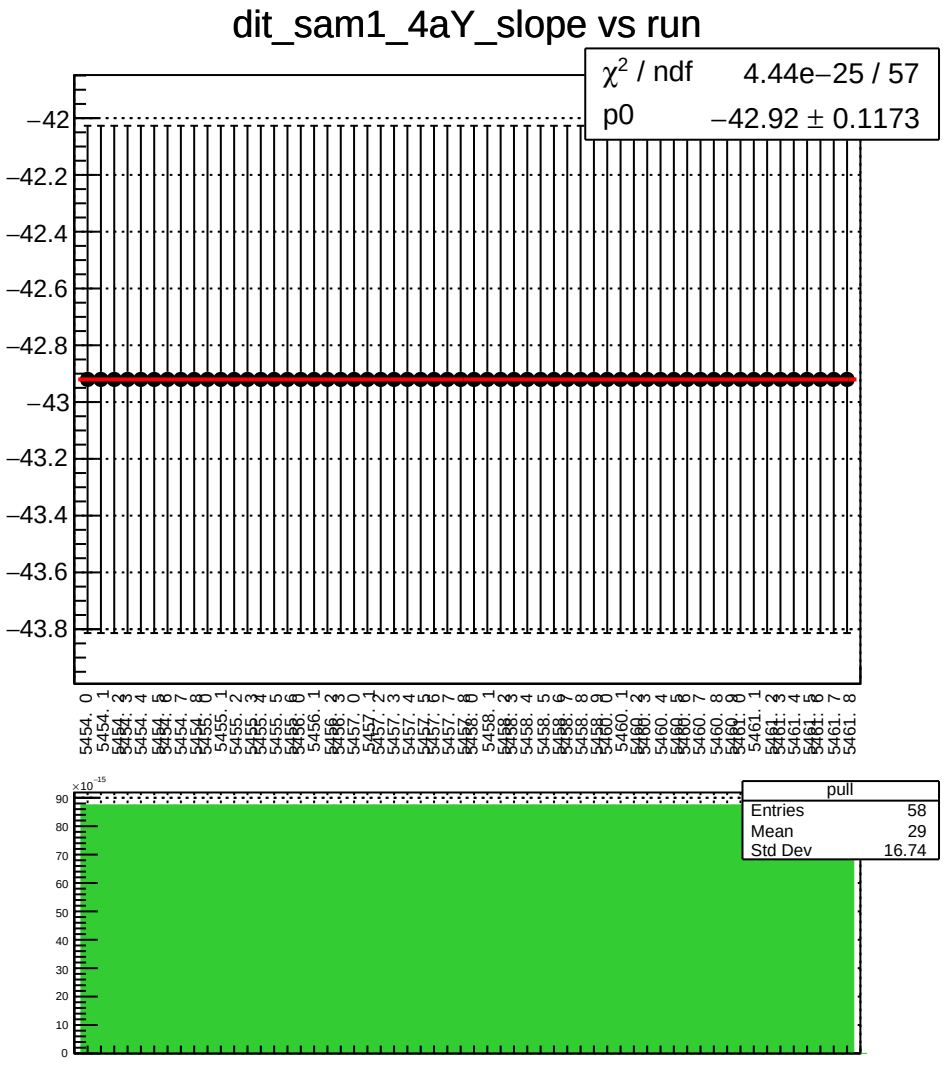

dit_sam1_4aX_slope vs run
χ² / ndf 1.282e−27 / 57
p0 −2.576 ± 0.186
pull
Entries 58
Mean 29
Std Dev 16.74

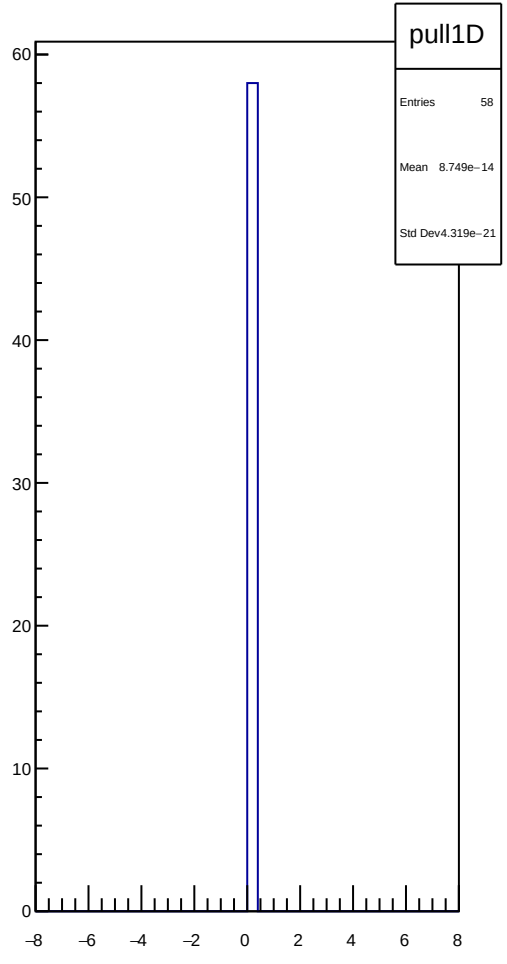

pull1D
Entries 58
Mean 4.702e−15
Std Dev1.981e−22

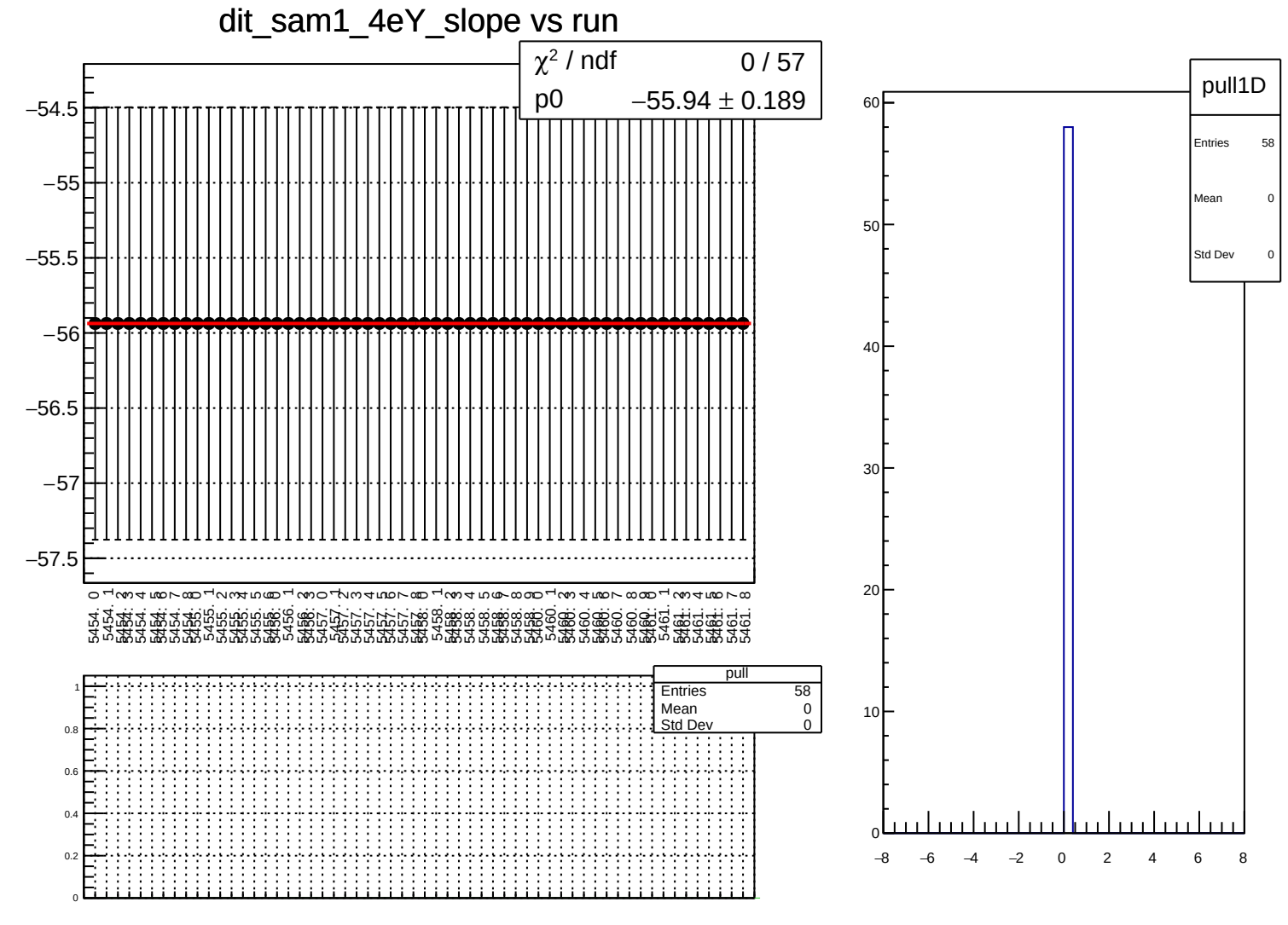

dit_sam1_4eX_slope vs run
χ² / ndf 4.469e−26 / 57
p0 −3.316 ± 0.03781
−3
−3.1
−3.2
−3.3
−3.4
−3.5
−3.6
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 58
Mean 2.776e−14
Std Dev1.405e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

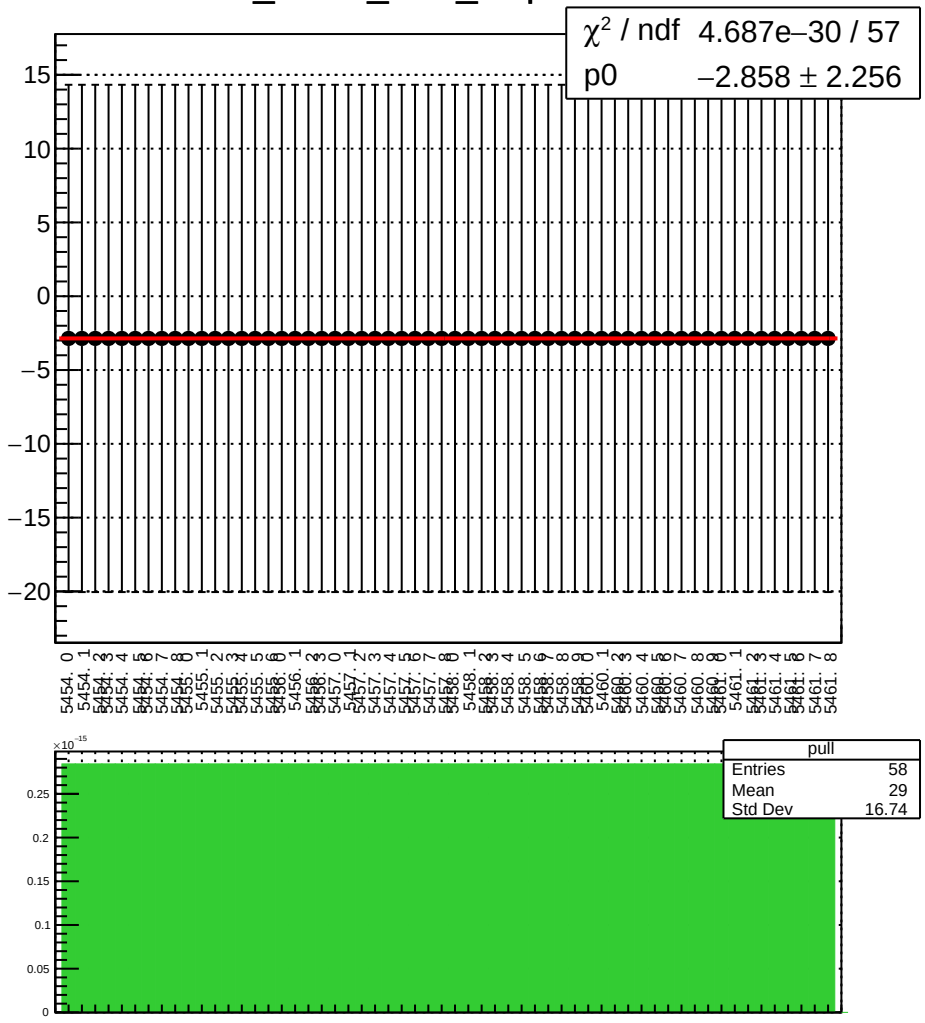

dit_sam1_11X12X_slope vs run
χ² / ndf 1.039e−30 / 57
p0 0.05675 ± 0.02042
pull
Entries 58
Mean 29
Std Dev 16.74

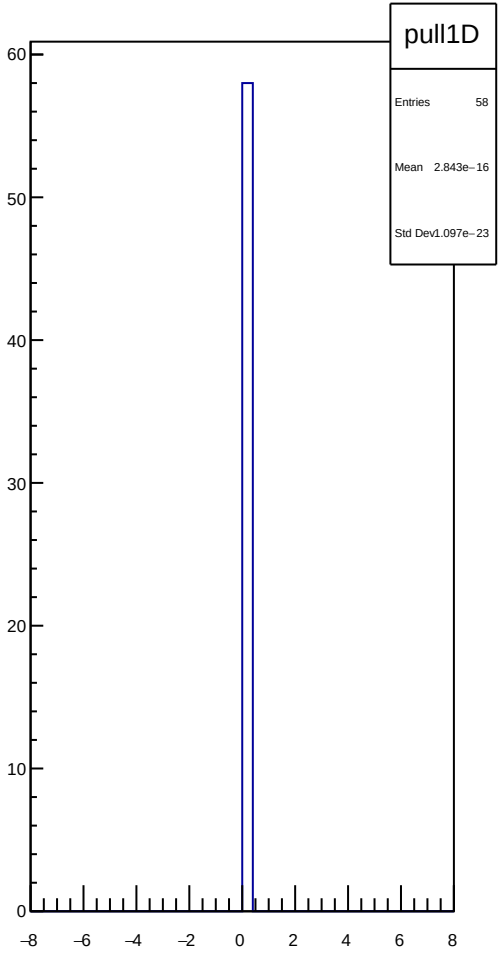

pull1D
Entries 58
Mean −1.338e−16
Std Dev 5.487e−24

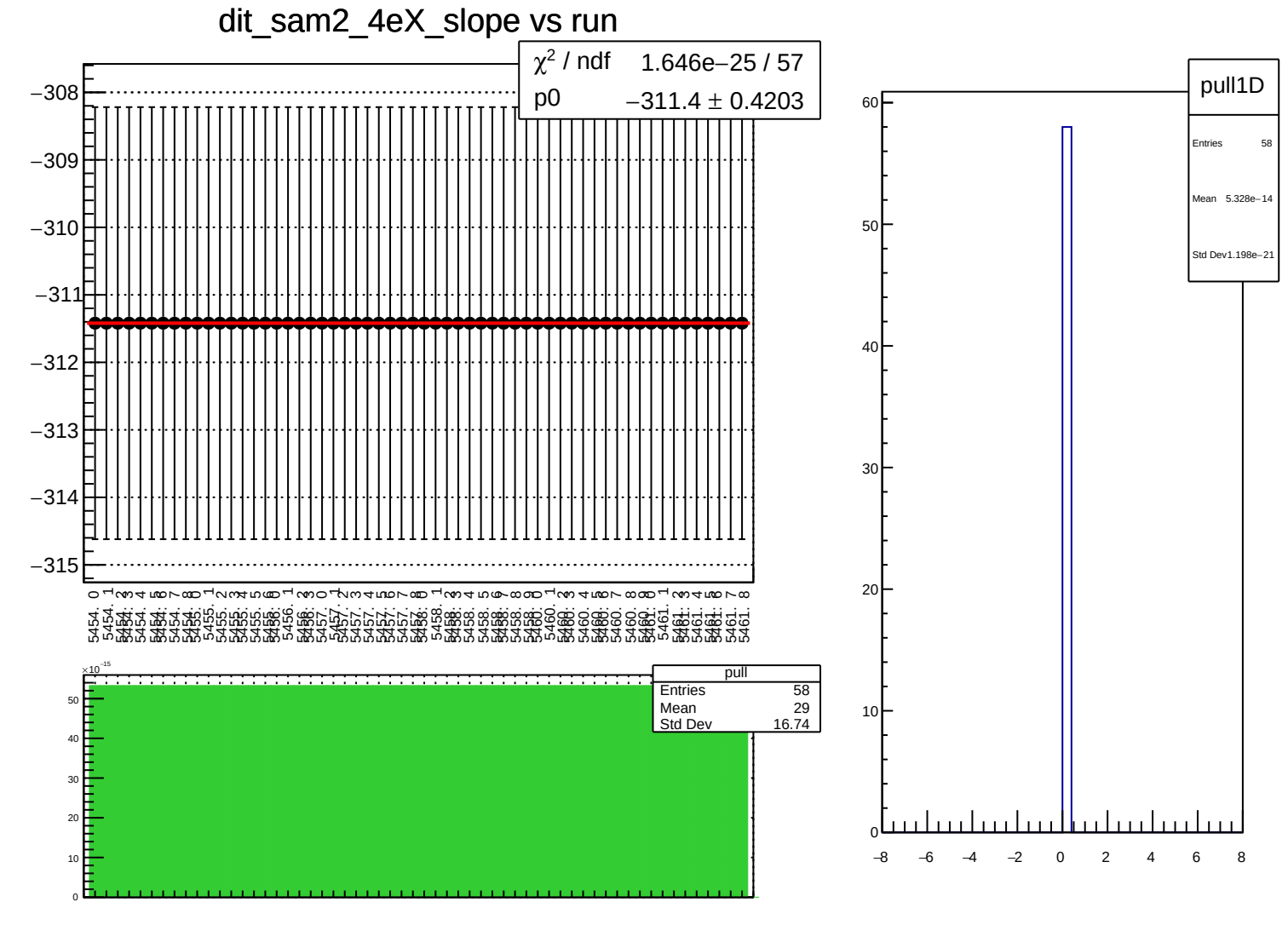

dit_sam1_4aY_slope vs run
χ² / ndf 4.44e−25 / 57
p0 −42.92 ± 0.1173
−42
−42.2
−42.4
−42.6
−42.8
−43
−43.2
−43.4
−43.6
−43.8
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

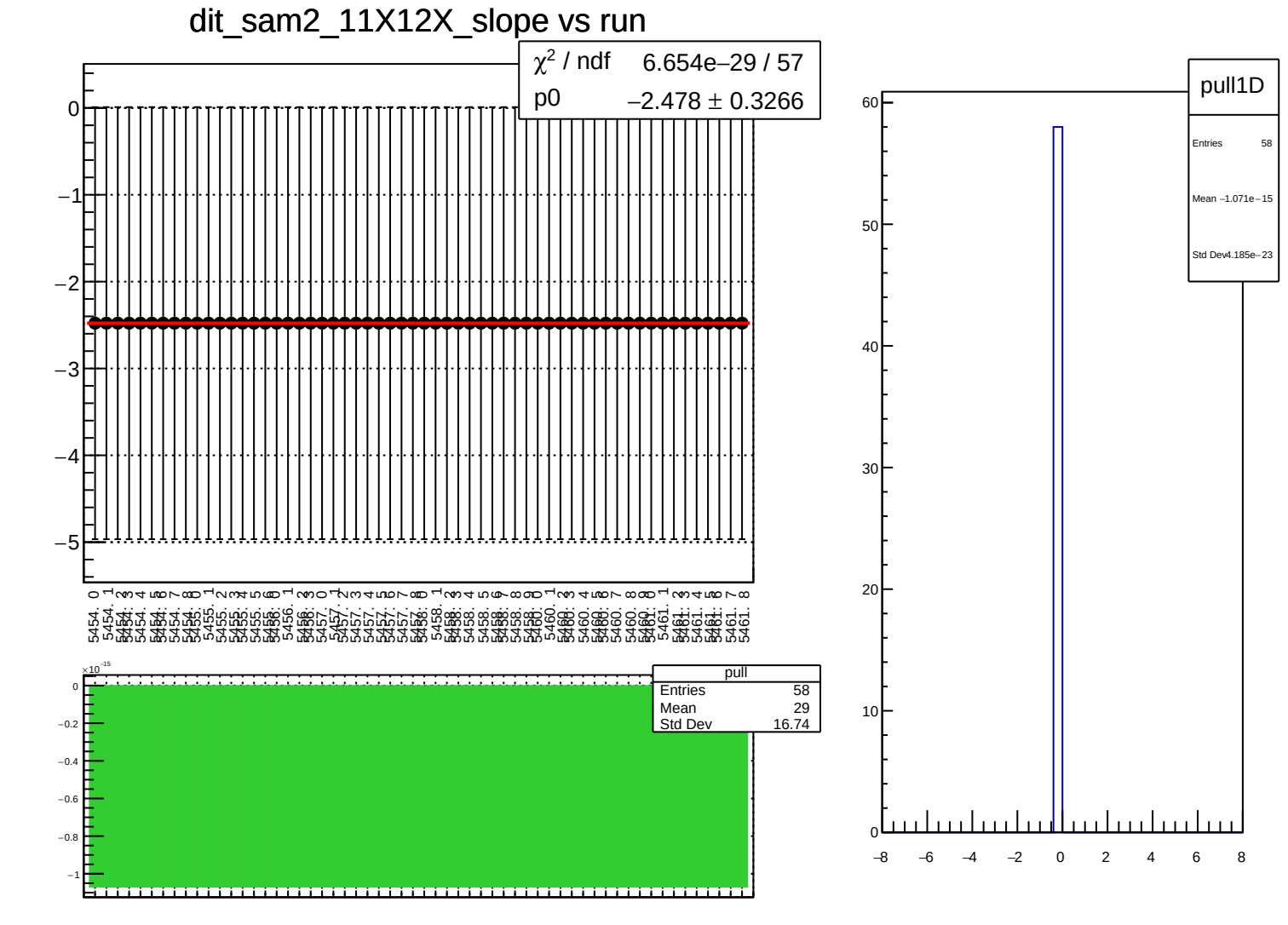

pull1D
Entries 58
Mean 8.749e−14
Std Dev 4.319e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

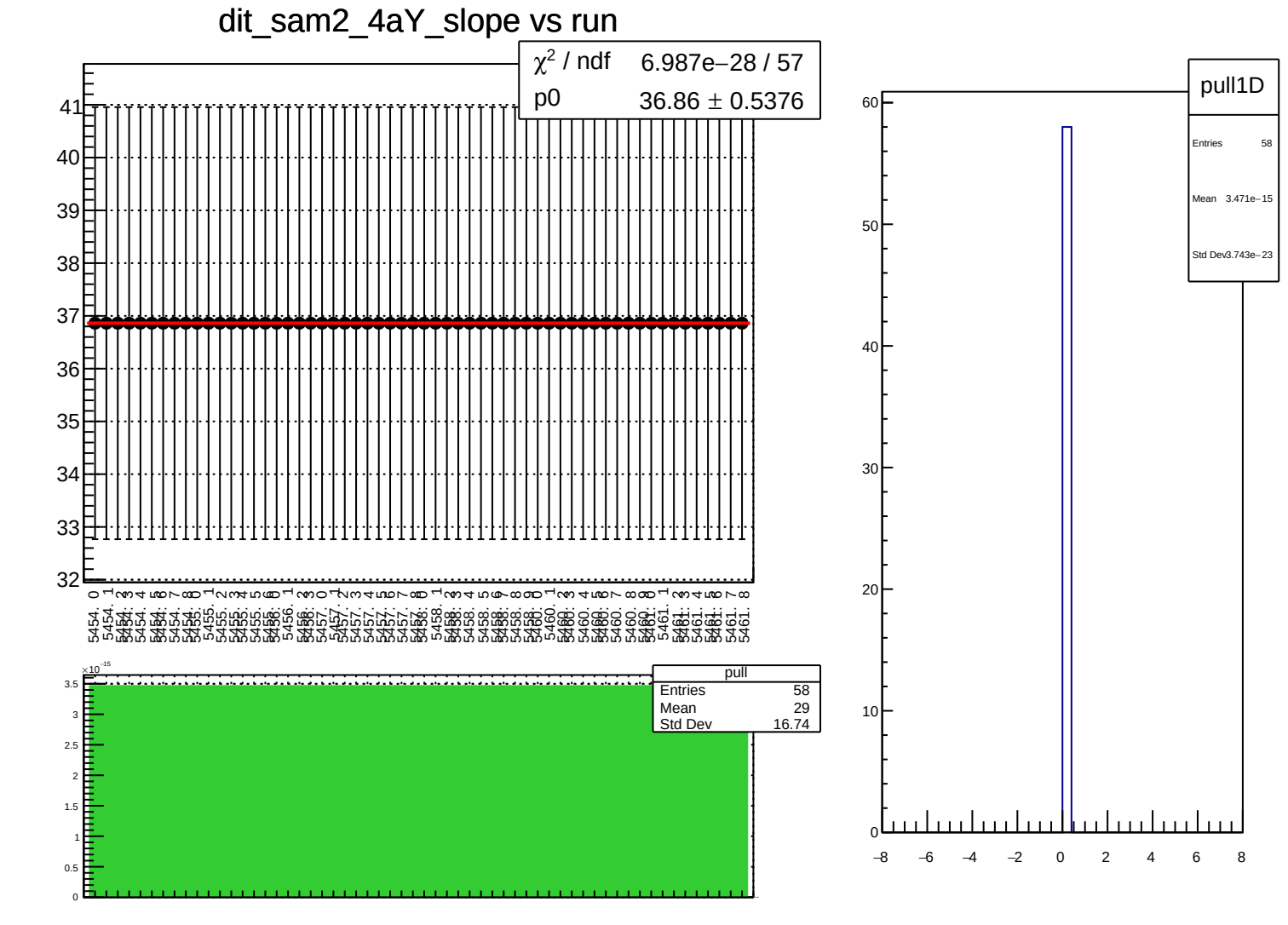

dit_sam1_4eY_slope vs run
χ² / ndf 0 / 57
p0 −55.94 ± 0.189
−54.5
−55
−55.5
−56
−56.5
−57
−57.5
pull
Entries 58
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 58
Mean 0
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

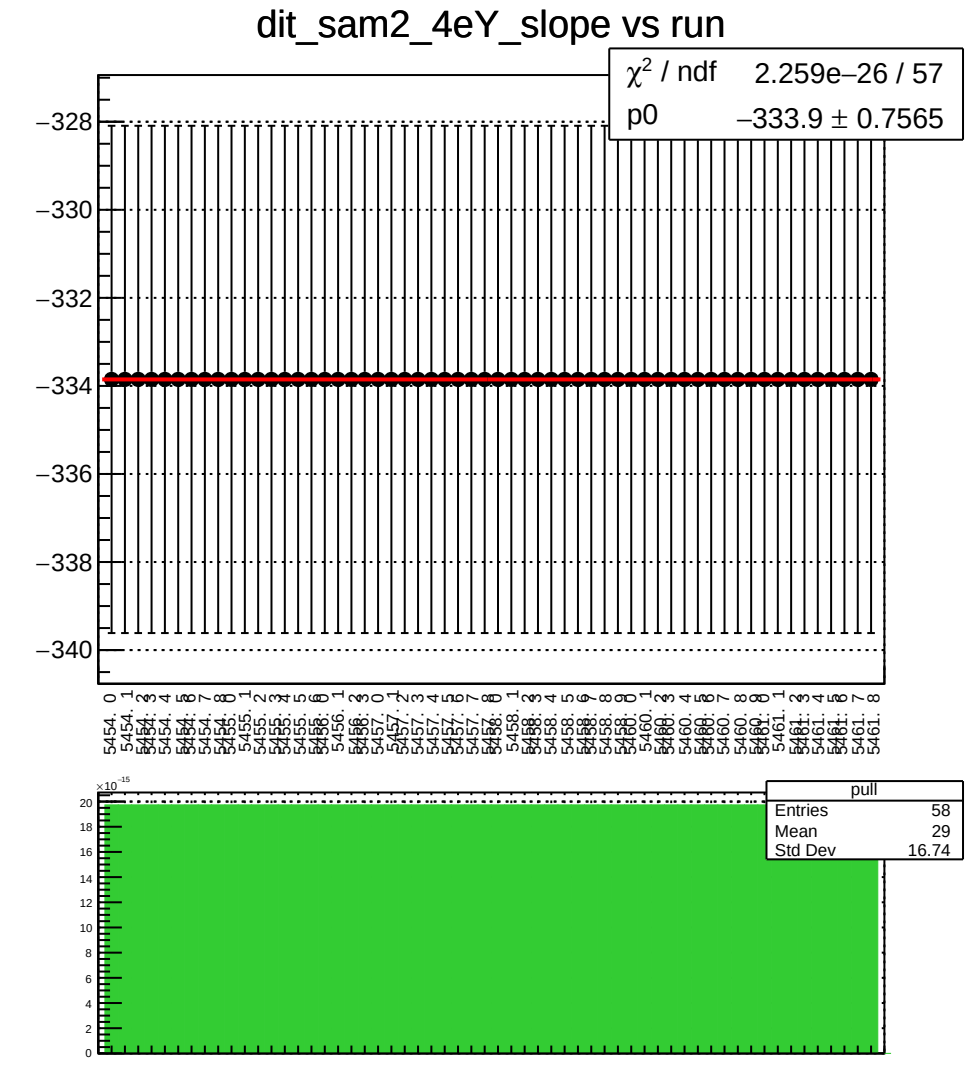

dit_sam2_4aX_slope vs run
χ² / ndf 4.687e−30 / 57
p0 −2.858 ± 2.256
pull
Entries 58
Mean 29
Std Dev 16.74

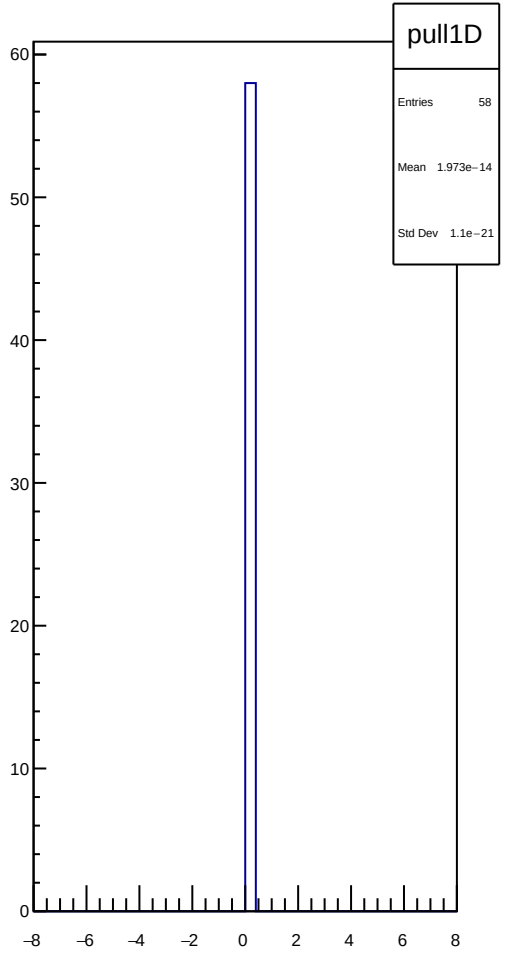

pull1D
Entries 58
Mean 2.843e−16
Std Dev1.097e−23

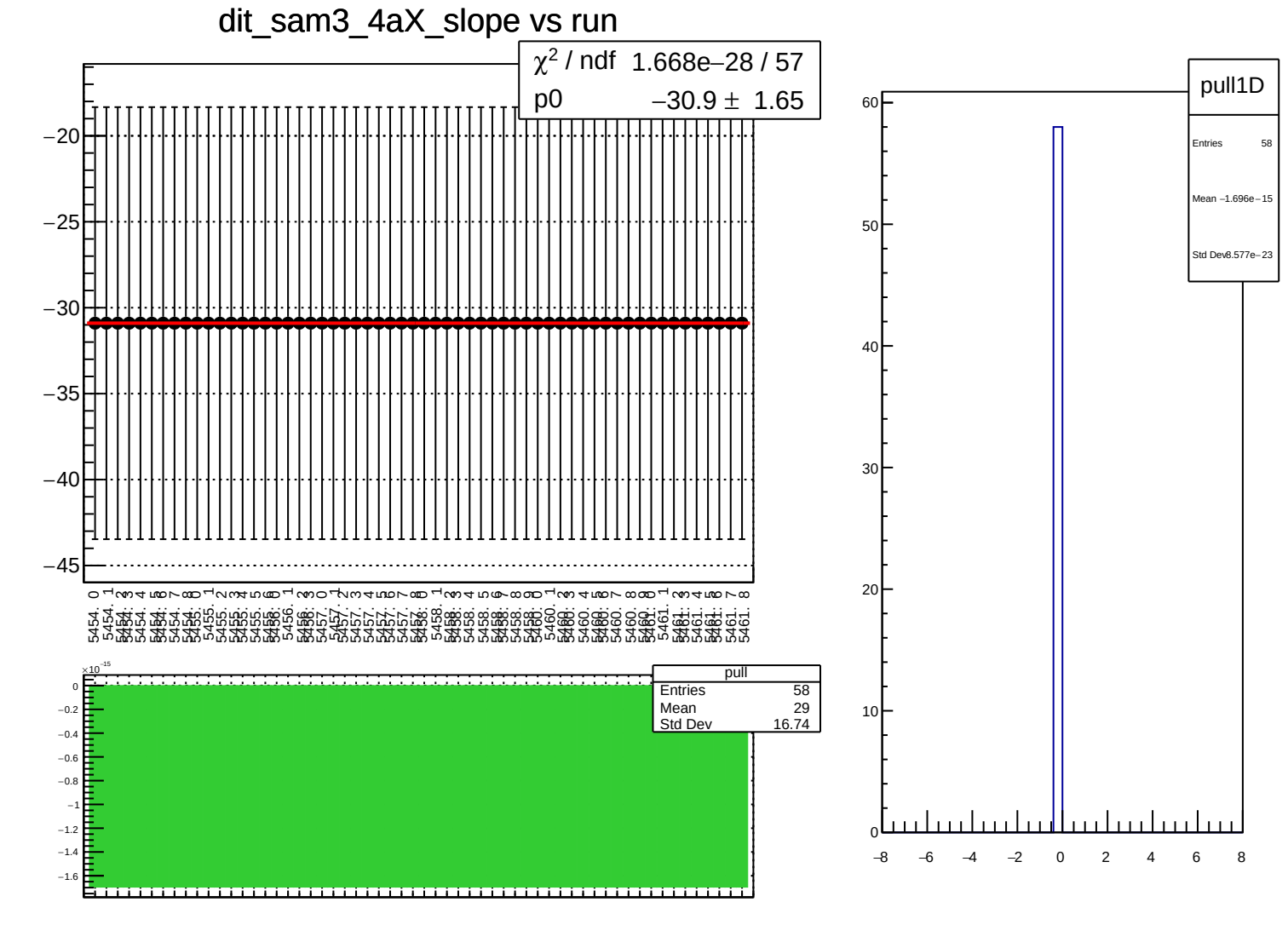

dit_sam2_4eX_slope vs run
χ² / ndf 1.646e−25 / 57
p0 −311.4 ± 0.4203
−308
−309
−310
−311
−312
−313
−314
−315
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 58
Mean 5.328e−14
Std Dev 1.198e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

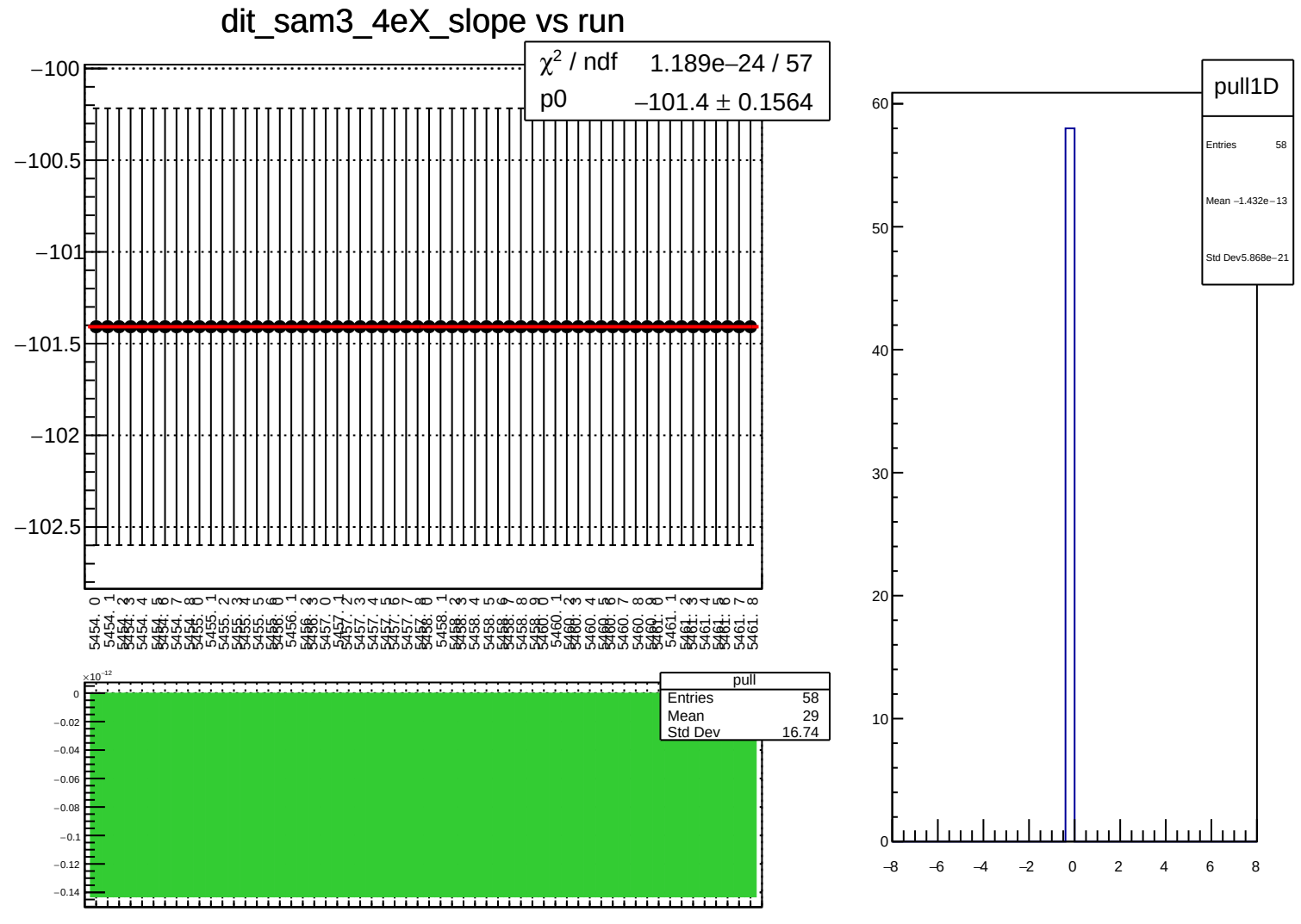

dit_sam2_11X12X_slope vs run
χ² / ndf 6.654e−29 / 57
p0 −2.478 ± 0.3266
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −1.071e−15
Std Dev4.185e−23

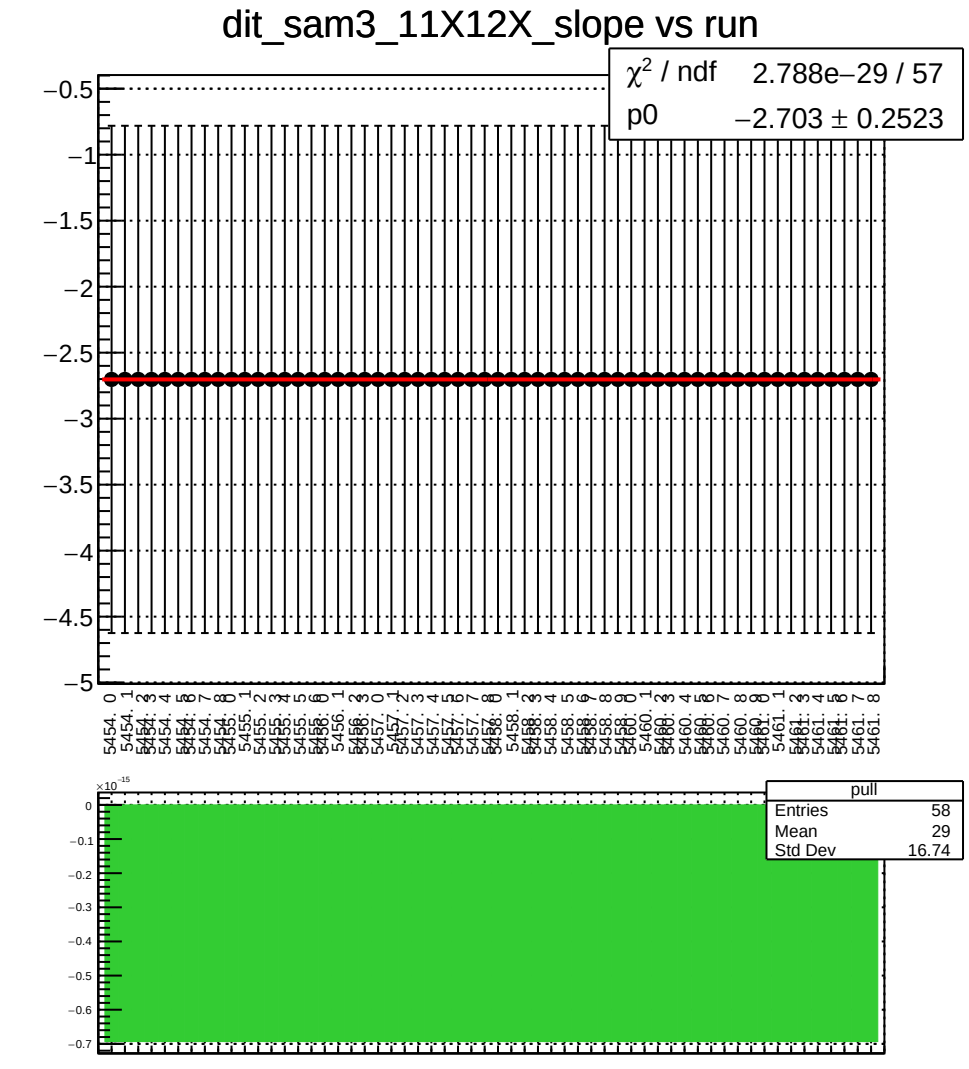

dit_sam2_4aY_slope vs run
χ² / ndf 6.987e−28 / 57
p0 36.86 ± 0.5376
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 3.471e−15
Std Dev 3.743e−23

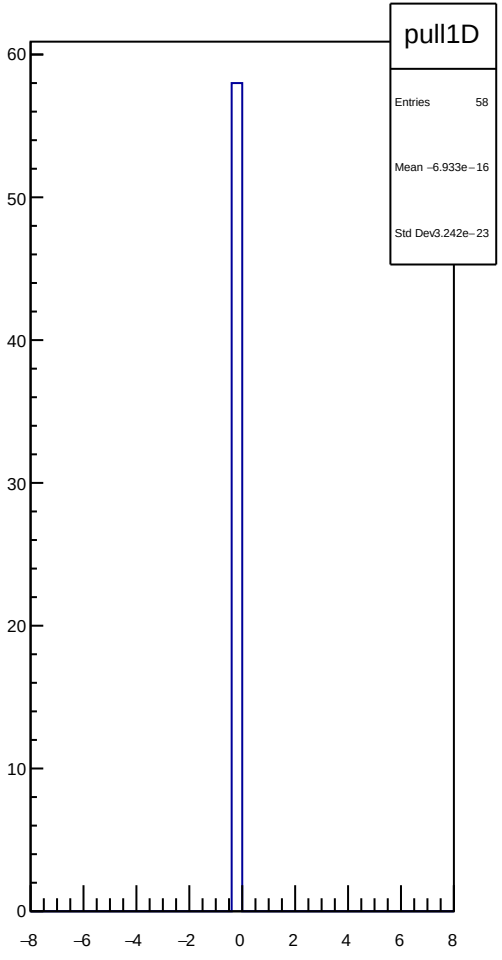

dit_sam2_4eY_slope vs run
χ² / ndf 2.259e−26 / 57
p0 −333.9 ± 0.7565
−328
−330
−332
−334
−336
−338
−340
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

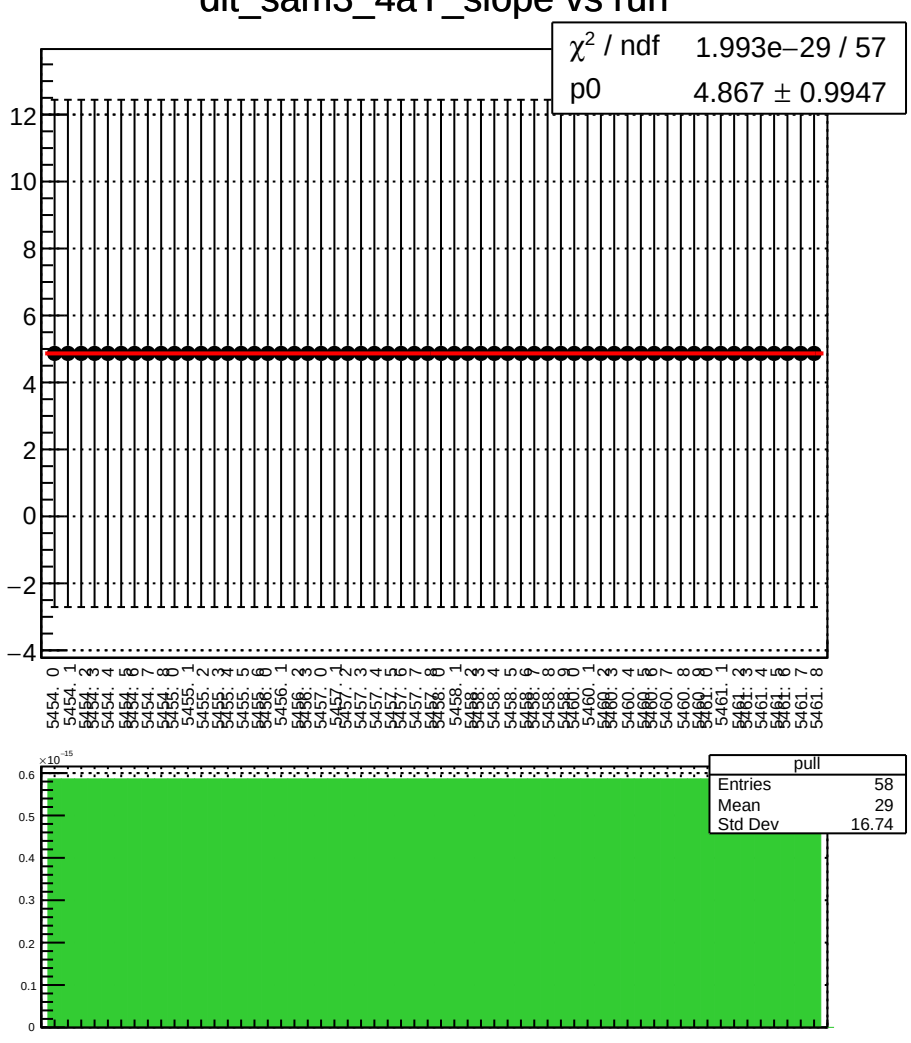

pull1D
Entries 58
Mean 1.973e−14
Std Dev 1.1e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

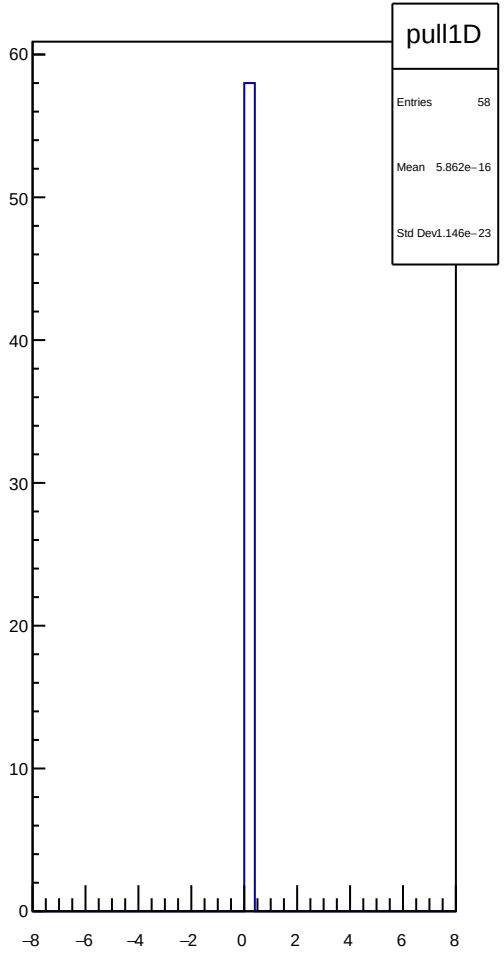

dit_sam3_4aX_slope vs run
χ² / ndf 1.668e−28 / 57
p0 −30.9 ± 1.65
−20
−25
−30
−35
−40
−45
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 58
Mean −1.696e−15
Std Dev 8.577e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

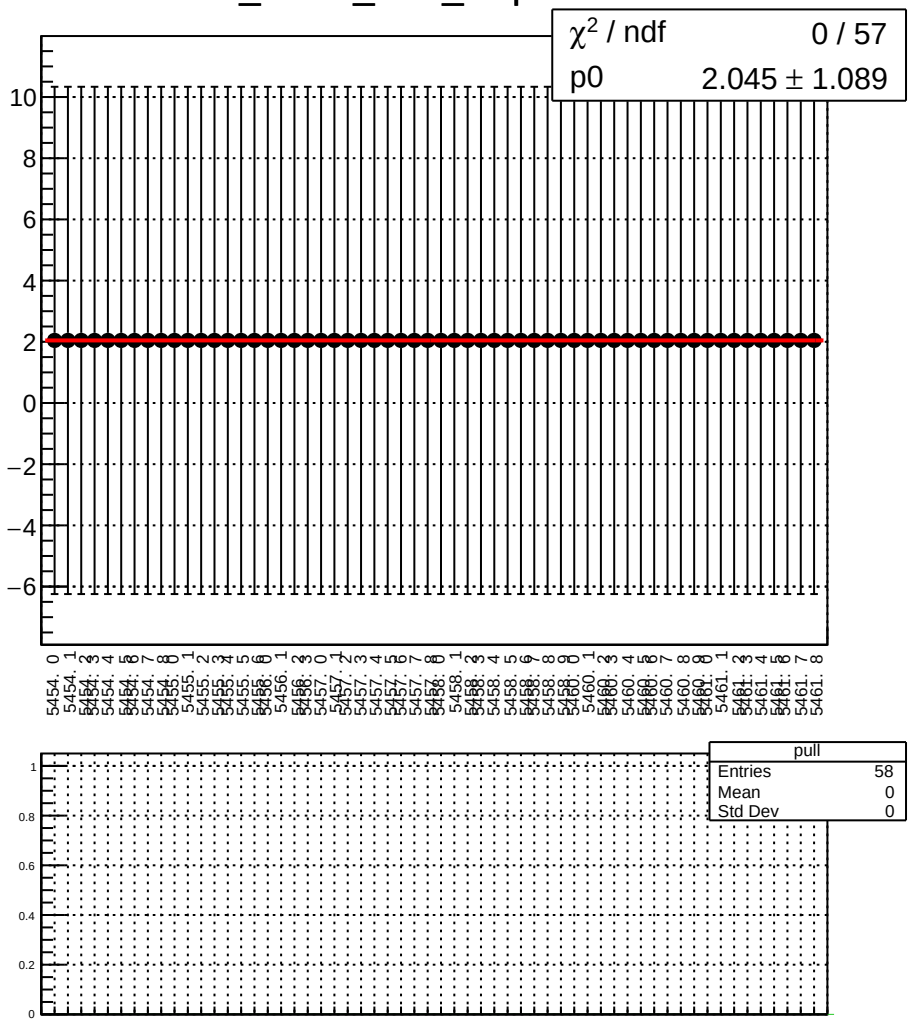

dit_sam3_4eX_slope vs run
χ² / ndf 1.189e−24 / 57
p0 −101.4 ± 0.1564
−100
−100.5
−101
−101.5
−102
−102.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 58
Mean −1.432e−13
Std Dev5.868e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

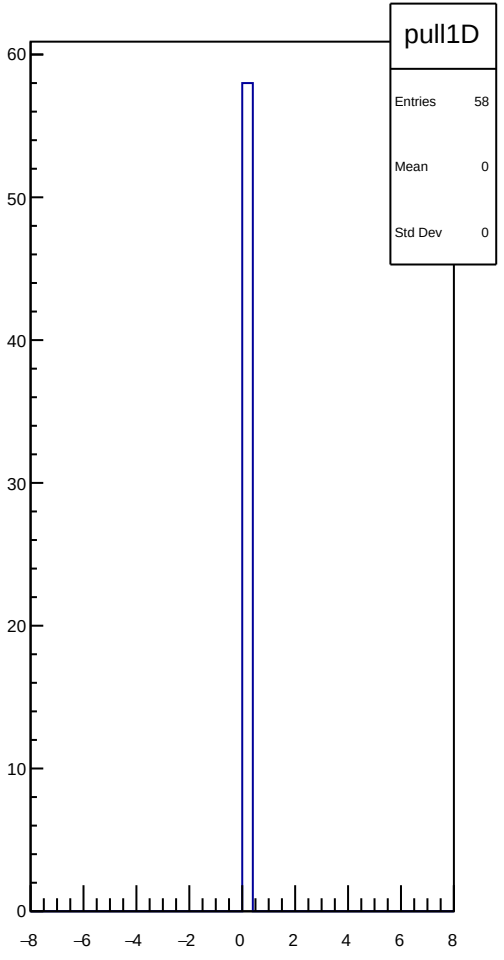

dit_sam3_11X12X_slope vs run
χ² / ndf 2.788e−29 / 57
p0 −2.703 ± 0.2523
pull
Entries 58
Mean 29
Std Dev 16.74

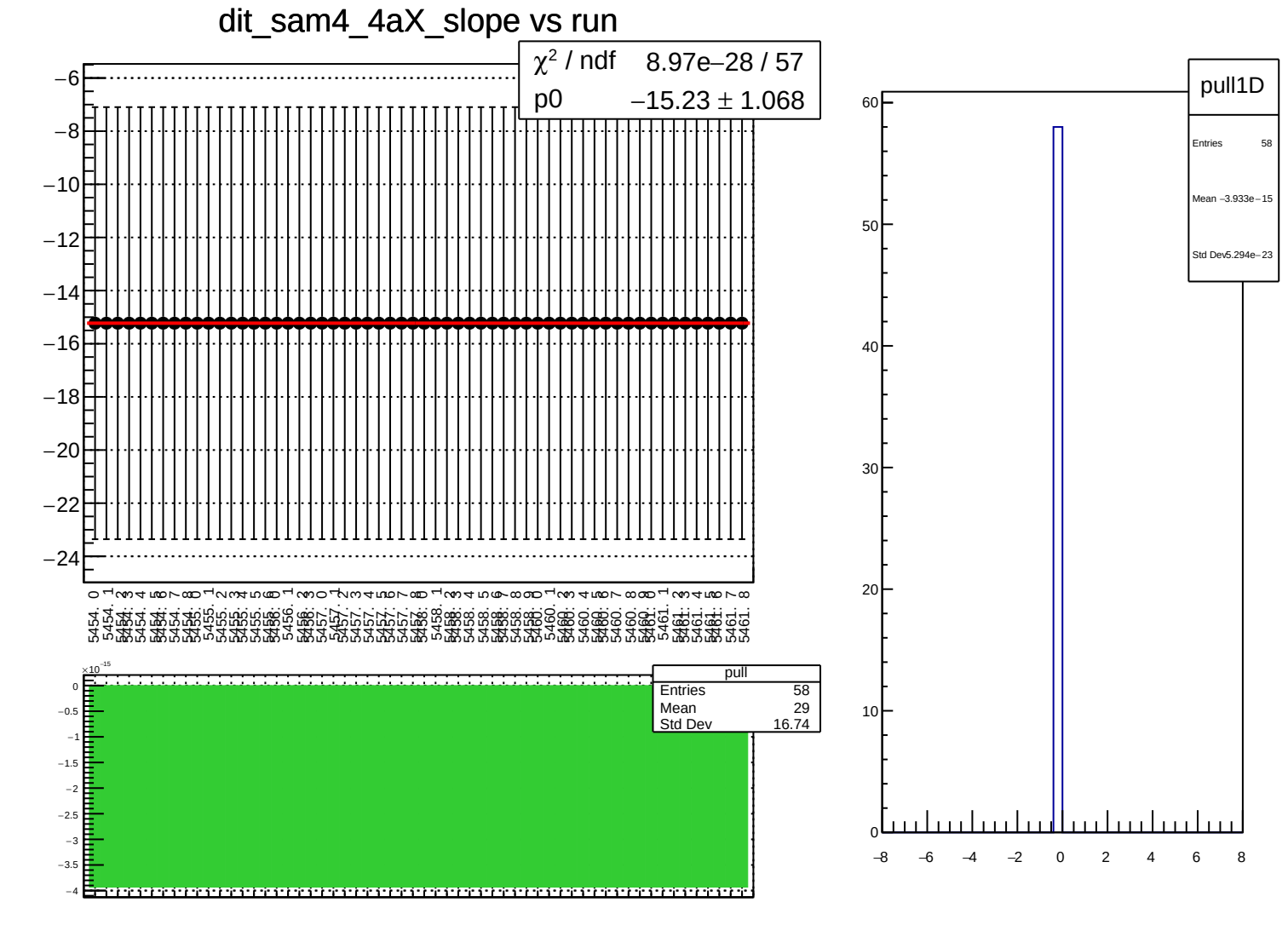

pull1D
Entries 58
Mean −6.933e−16
Std Dev3.242e−23

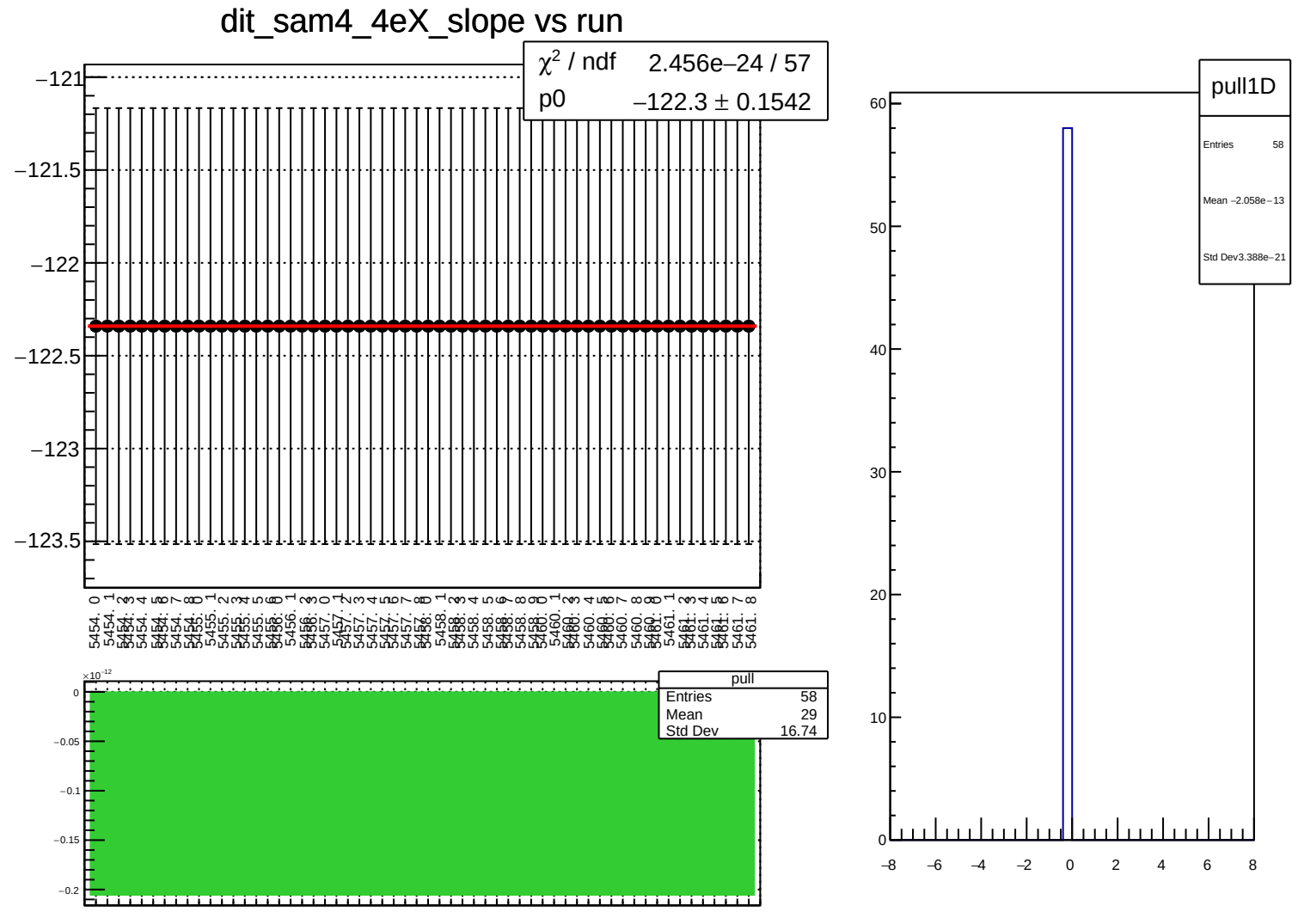

dit_sam3_4aY_slope vs run
χ² / ndf 1.993e−29 / 57
p0 4.867 ± 0.9947
pull
Entries 58
Mean 29
Std Dev 16.74

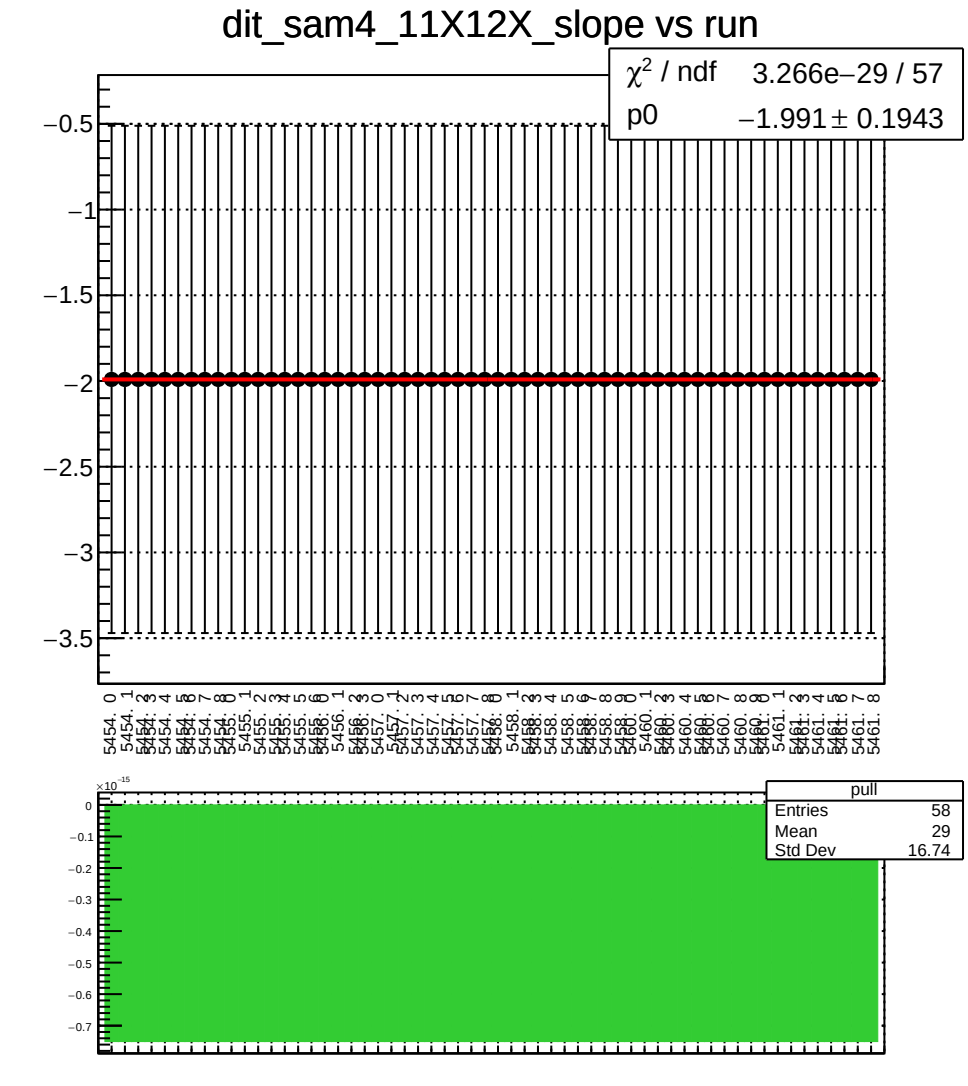

pull1D
Entries 58
Mean 5.862e−16
Std Dev1.146e−23

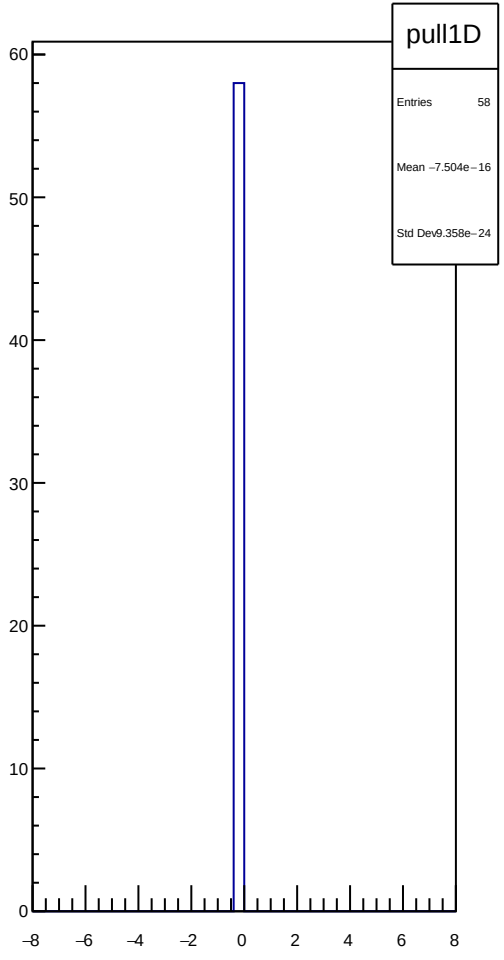

dit_sam3_4eY_slope vs run
χ^2 / ndf 0 / 57
p0 2.045 ± 1.089
pull
Entries 58
Mean 0
Std Dev 0

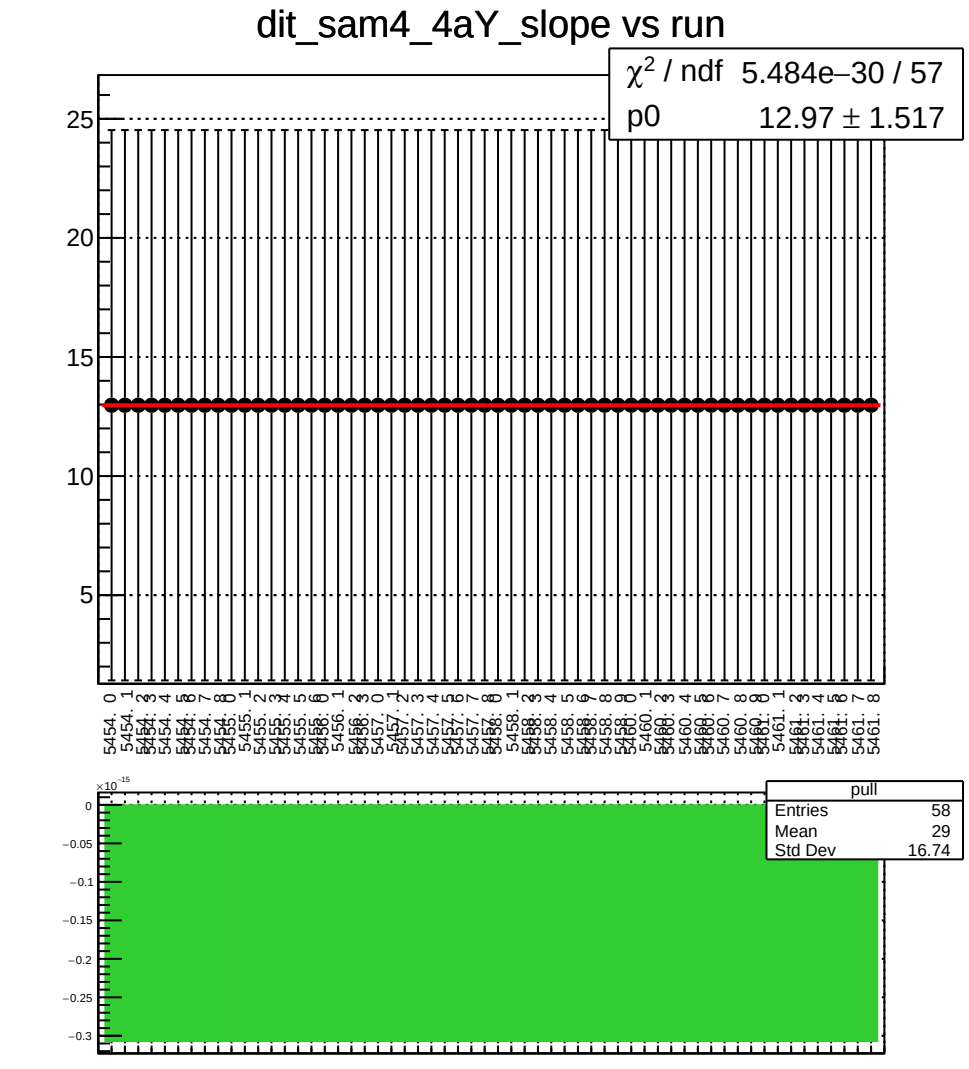

pull1D
Entries 58
Mean 0
Std Dev 0

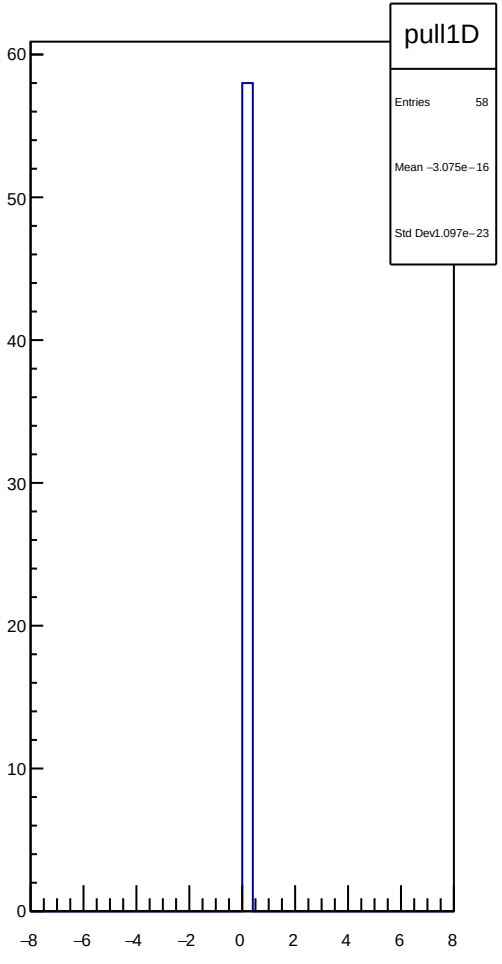

dit_sam4_4aX_slope vs run
χ² / ndf 8.97e−28 / 57
p0 −15.23 ± 1.068
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean −3.933e−15
Std Dev5.294e−23

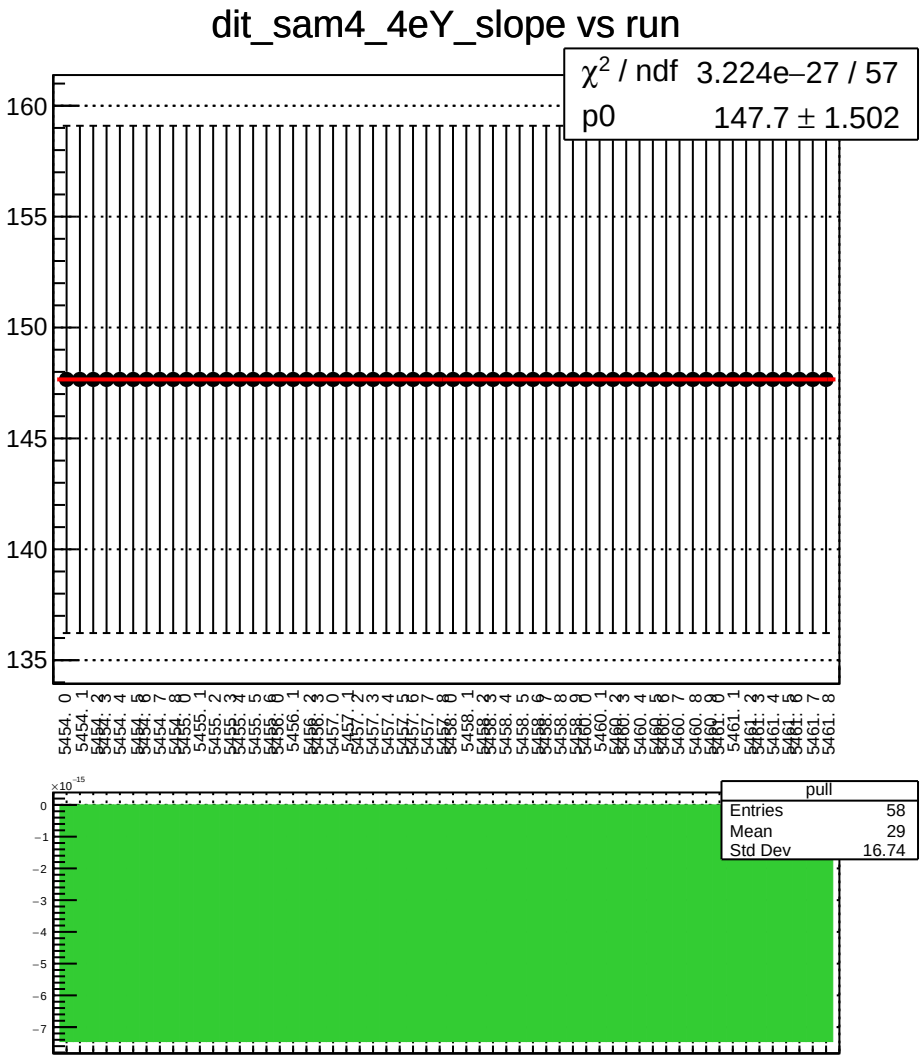

dit_sam4_4eX_slope vs run
χ² / ndf 2.456e−24 / 57
p0 −122.3 ± 0.1542
−121
−121.5
−122
−122.5
−123
−123.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 58
Mean −2.058e−13
Std Dev3.388e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

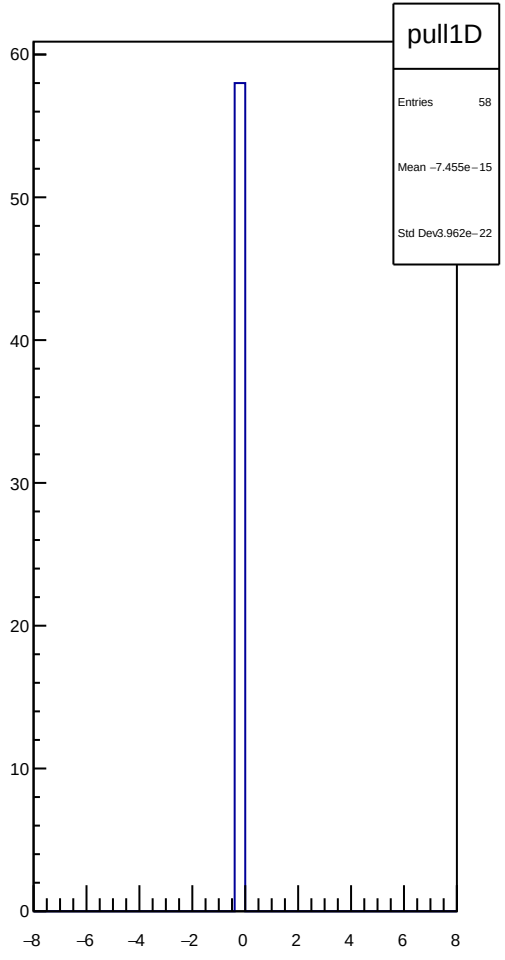

dit_sam4_11X12X_slope vs run
χ² / ndf 3.266e−29 / 57
p0 −1.991 ± 0.1943
pull
Entries 58
Mean 29
Std Dev 16.74

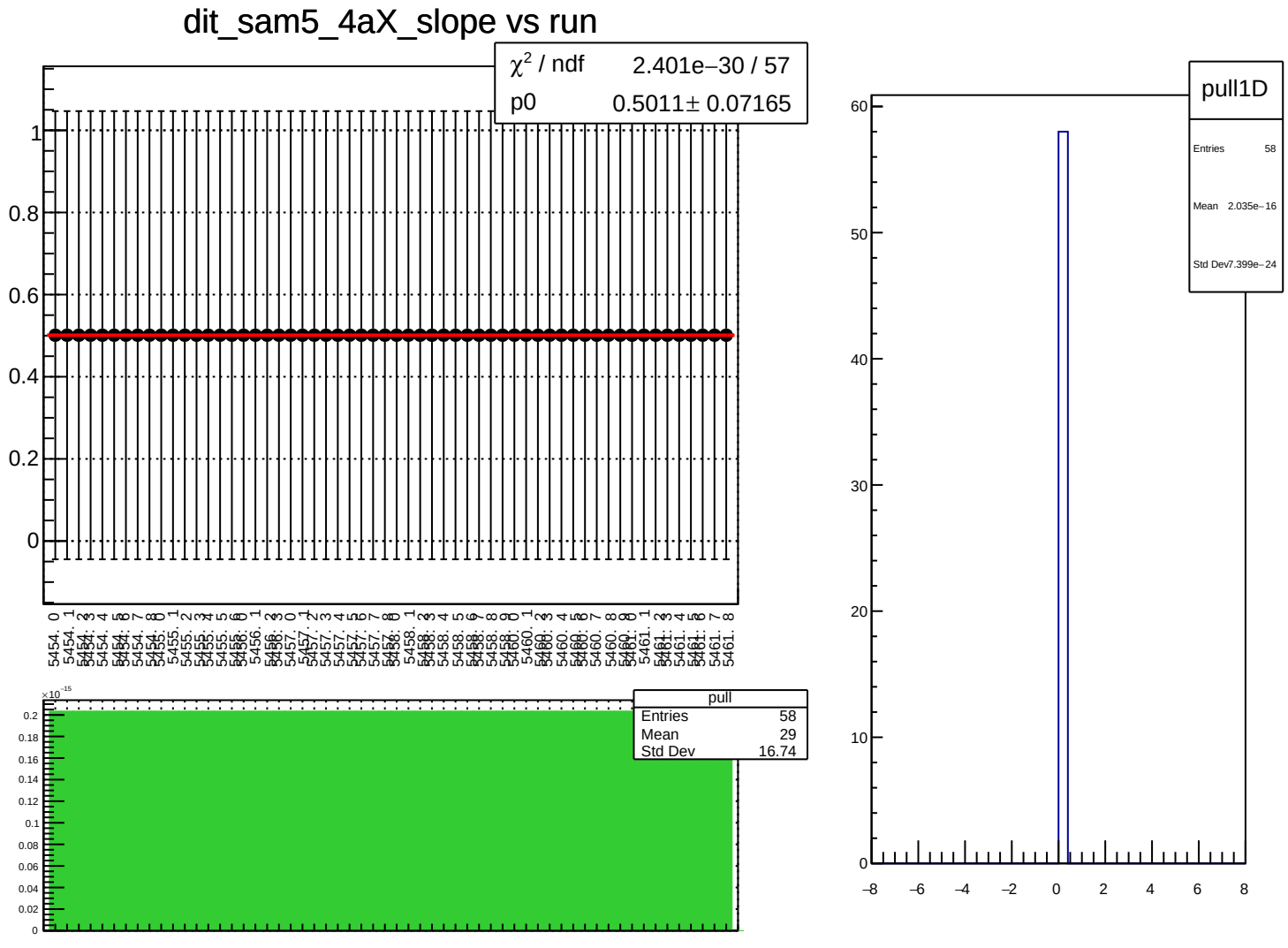

pull1D
Entries 58
Mean −7.504e−16
Std Dev 9.358e−24

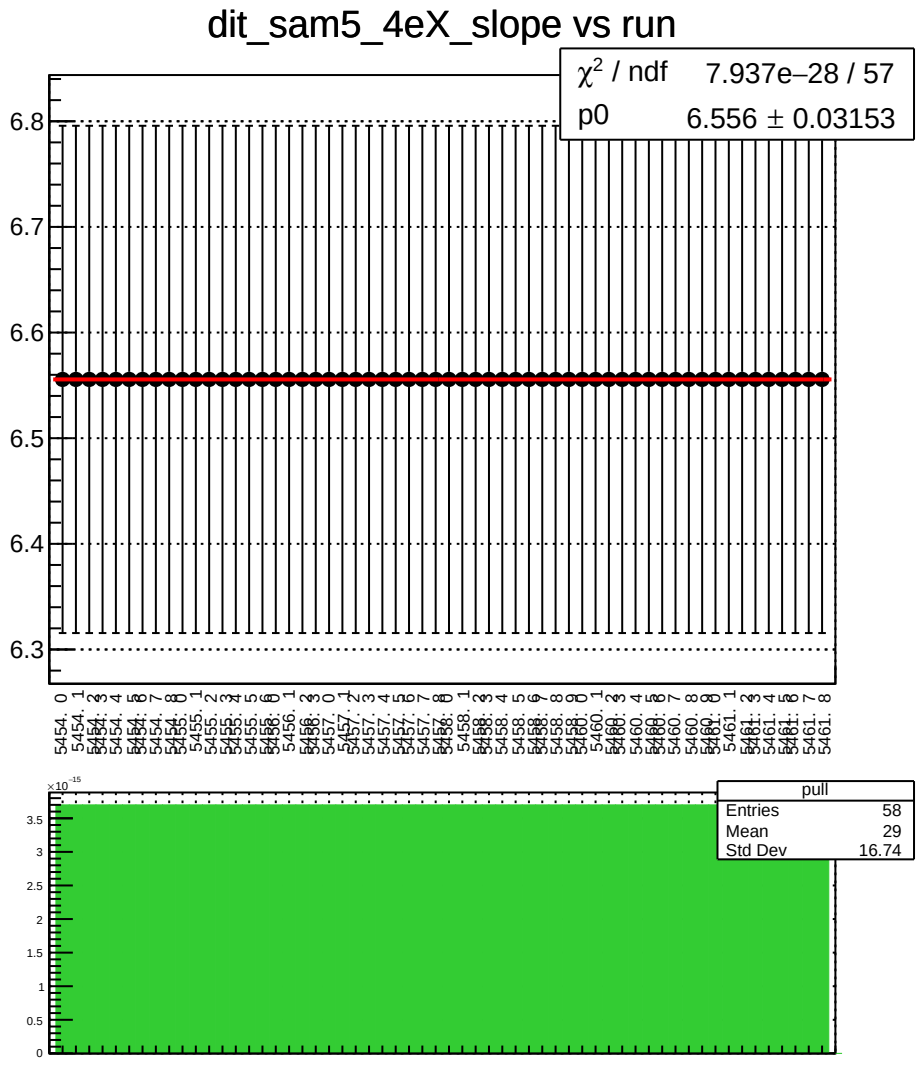

dit_sam4_4aY_slope vs run
χ² / ndf 5.484e−30 / 57
p0 12.97 ± 1.517
pull
Entries 58
Mean 29
Std Dev 16.74

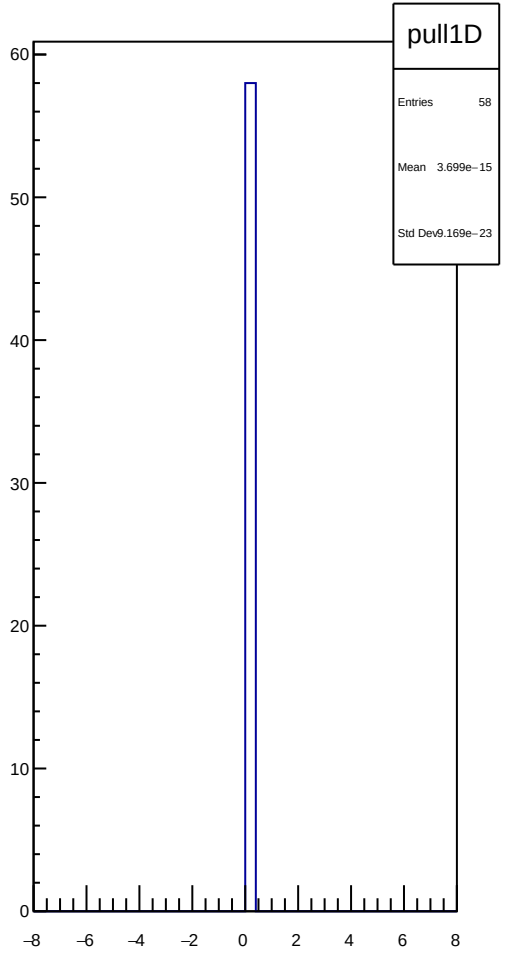

pull1D
Entries 58
Mean −3.075e−16
Std Dev1.097e−23

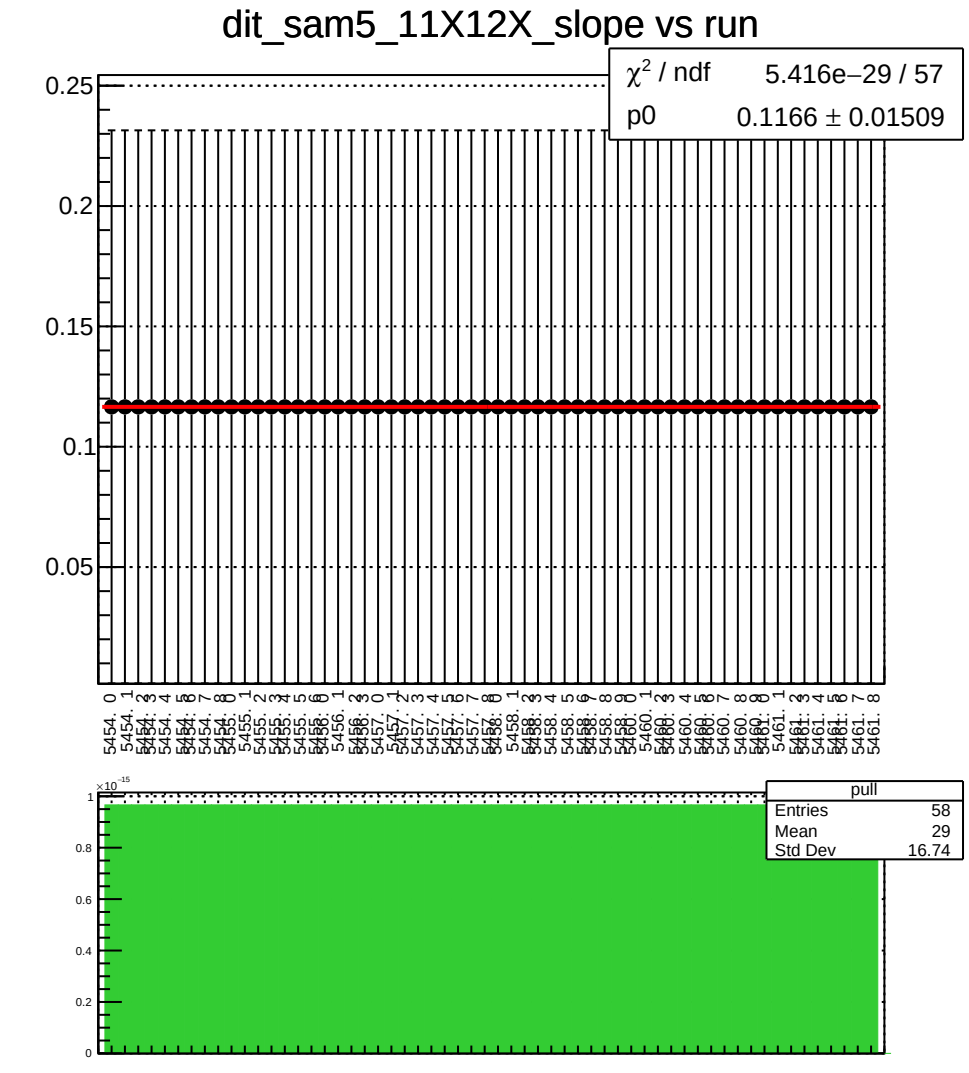

dit_sam4_4eY_slope vs run
χ² / ndf 3.224e−27 / 57
p0 147.7 ± 1.502
160
155
150
145
140
135
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

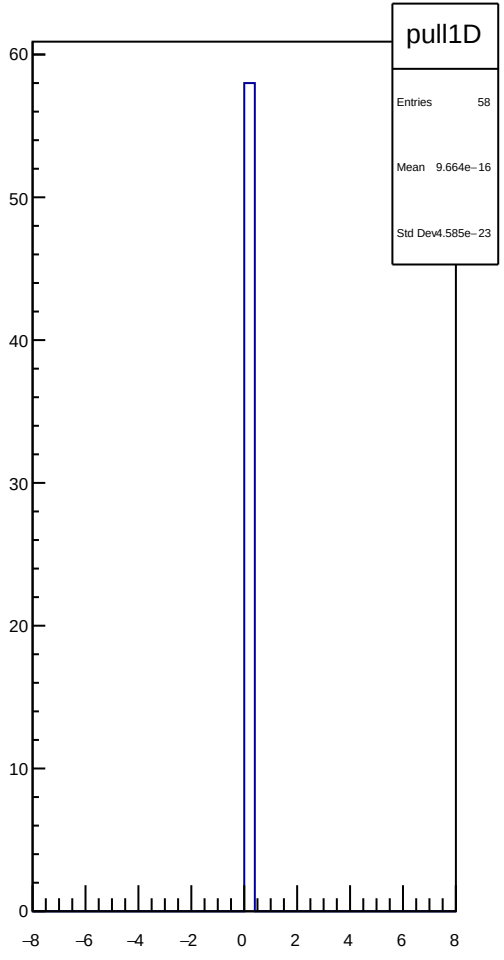

pull1D
Entries 58
Mean −7.455e−15
Std Dev 3.962e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

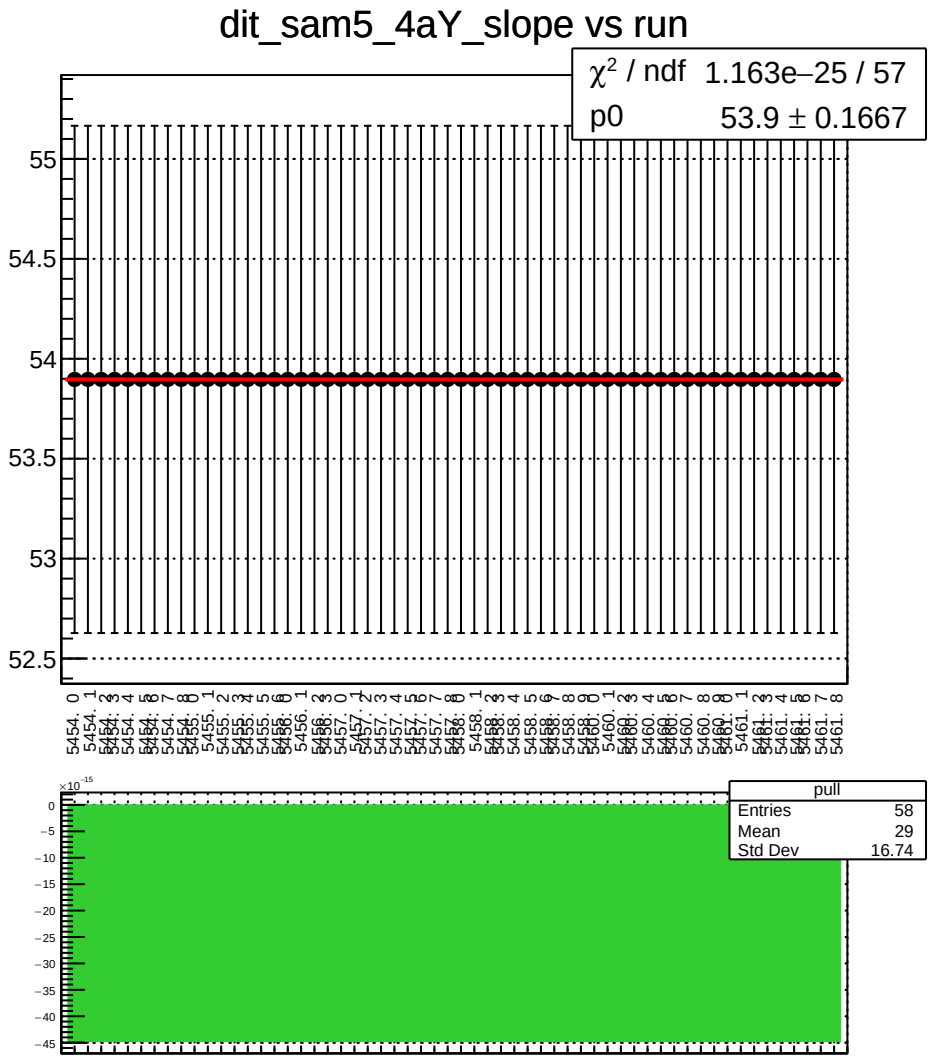

dit_sam5_4aX_slope vs run
χ² / ndf 2.401e−30 / 57
p0 0.5011± 0.07165
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 2.035e−16
Std Dev7.399e−24

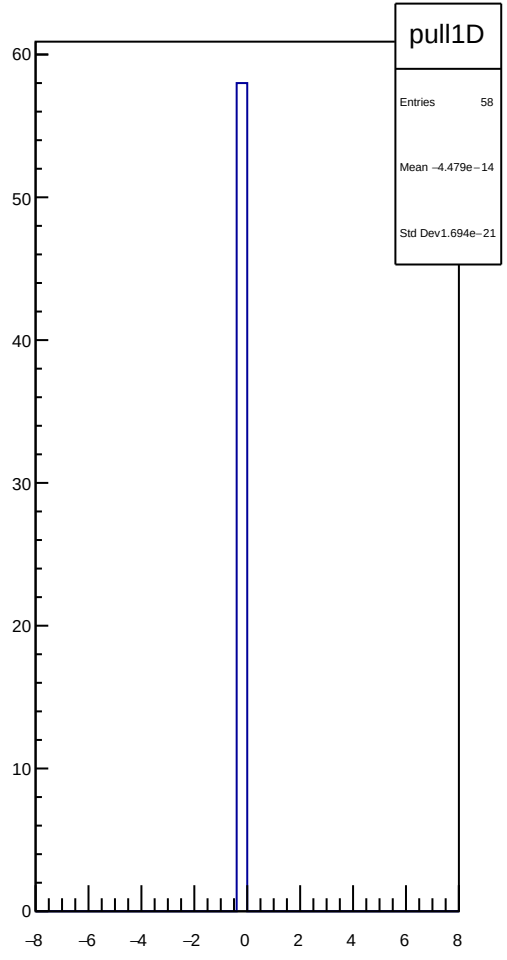

dit_sam5_4eX_slope vs run
χ² / ndf 7.937e−28 / 57
p0 6.556 ± 0.03153
6.8
6.7
6.6
6.5
6.4
6.3
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0

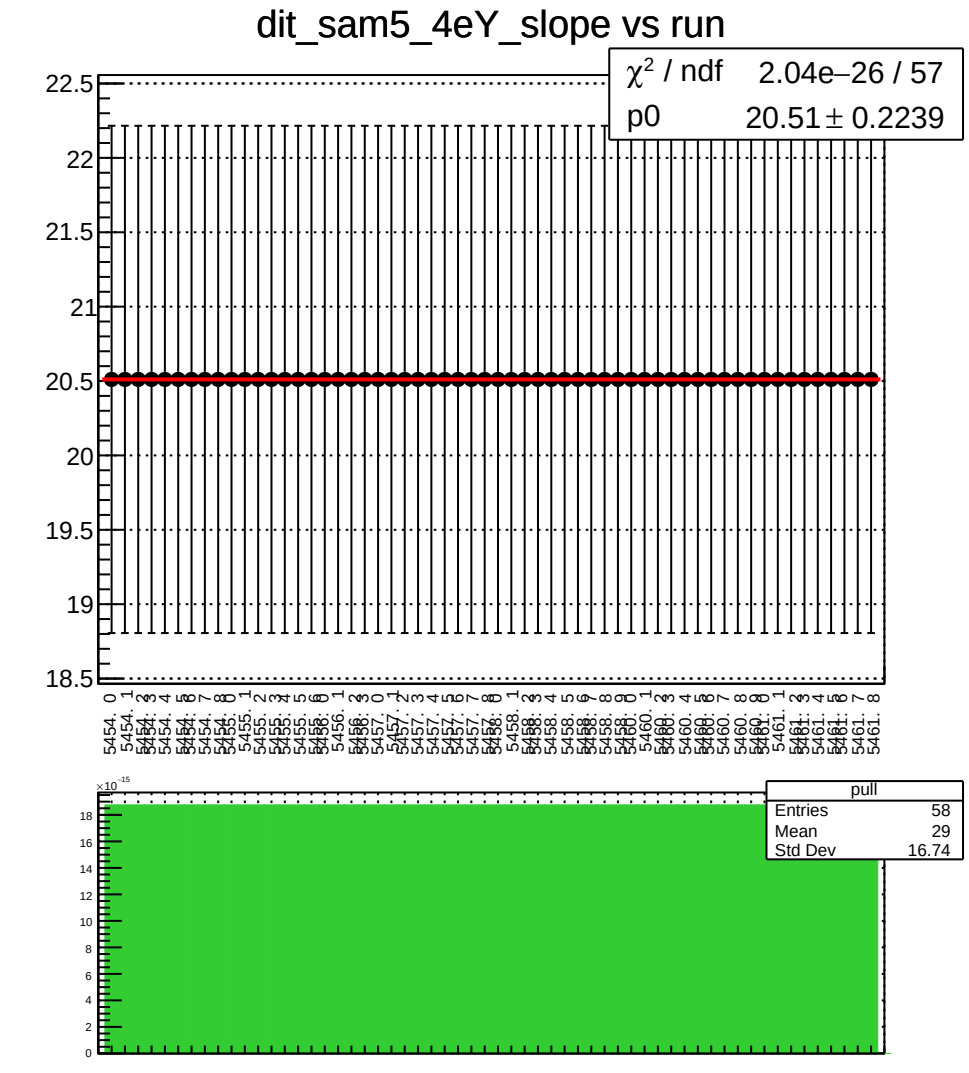

pull1D
Entries 58
Mean 3.699e−15
Std Dev9.169e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

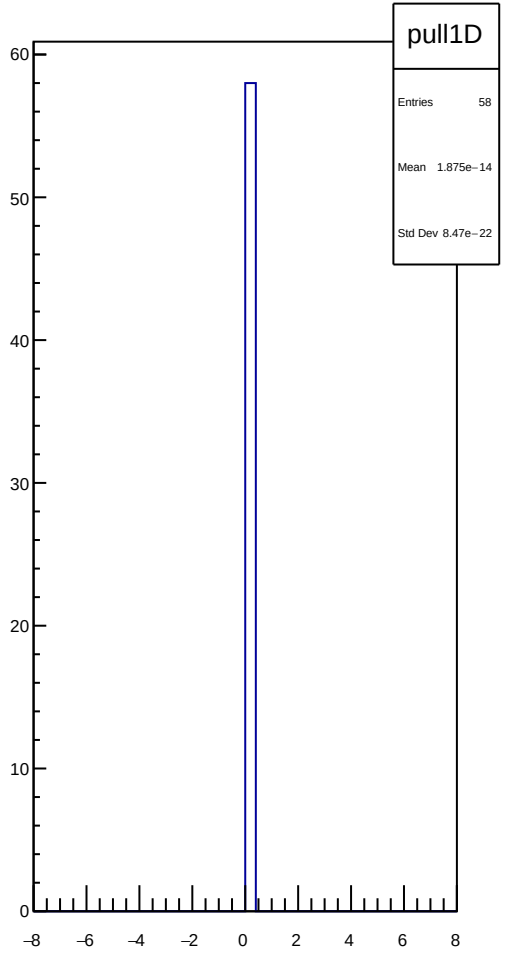

dit_sam5_11X12X_slope vs run
χ² / ndf 5.416e−29 / 57
p0 0.1166 ± 0.01509
0.25
0.2
0.15
0.1
0.05
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0

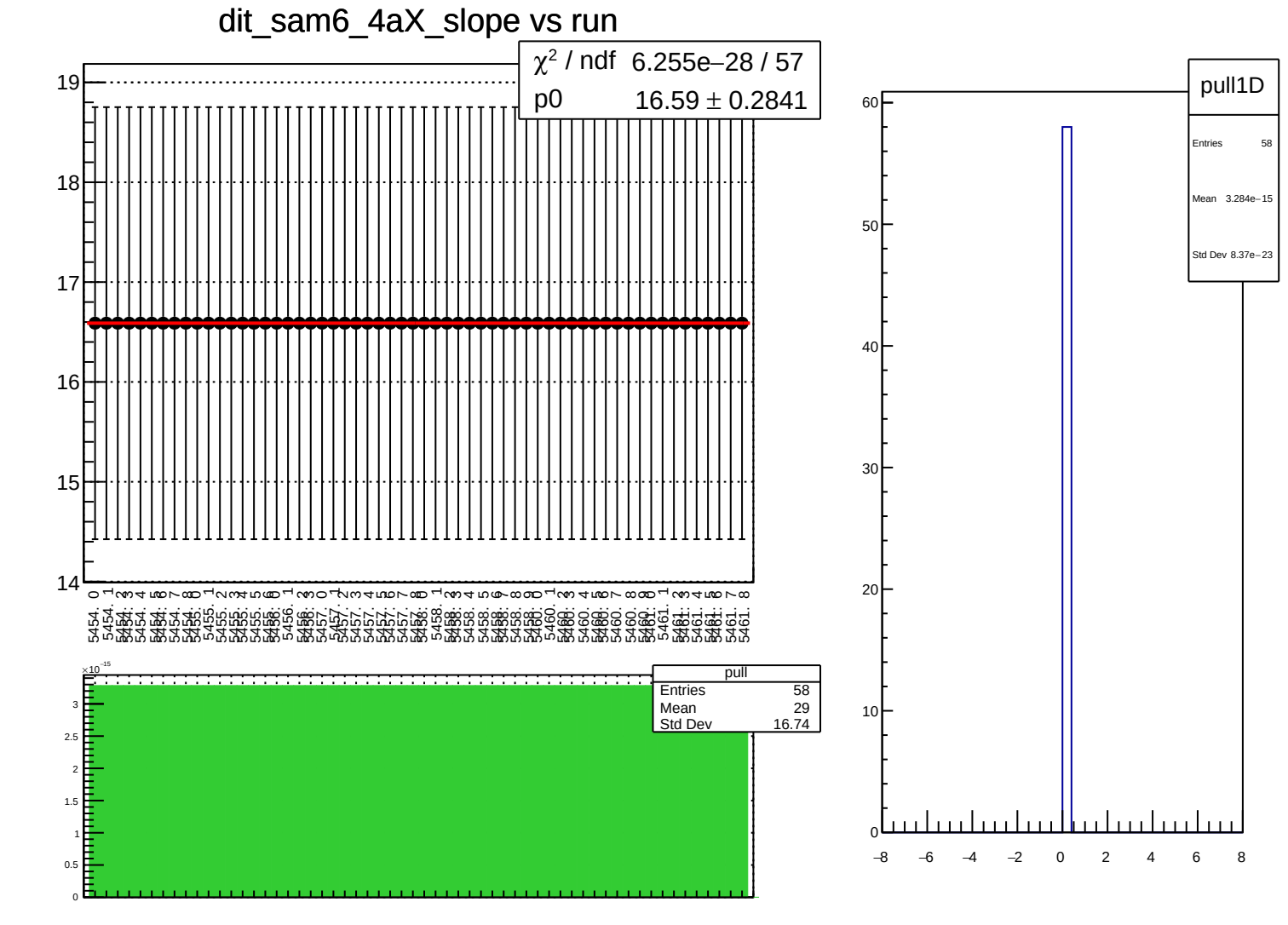

pull1D
Entries 58
Mean 9.664e−16
Std Dev4.585e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

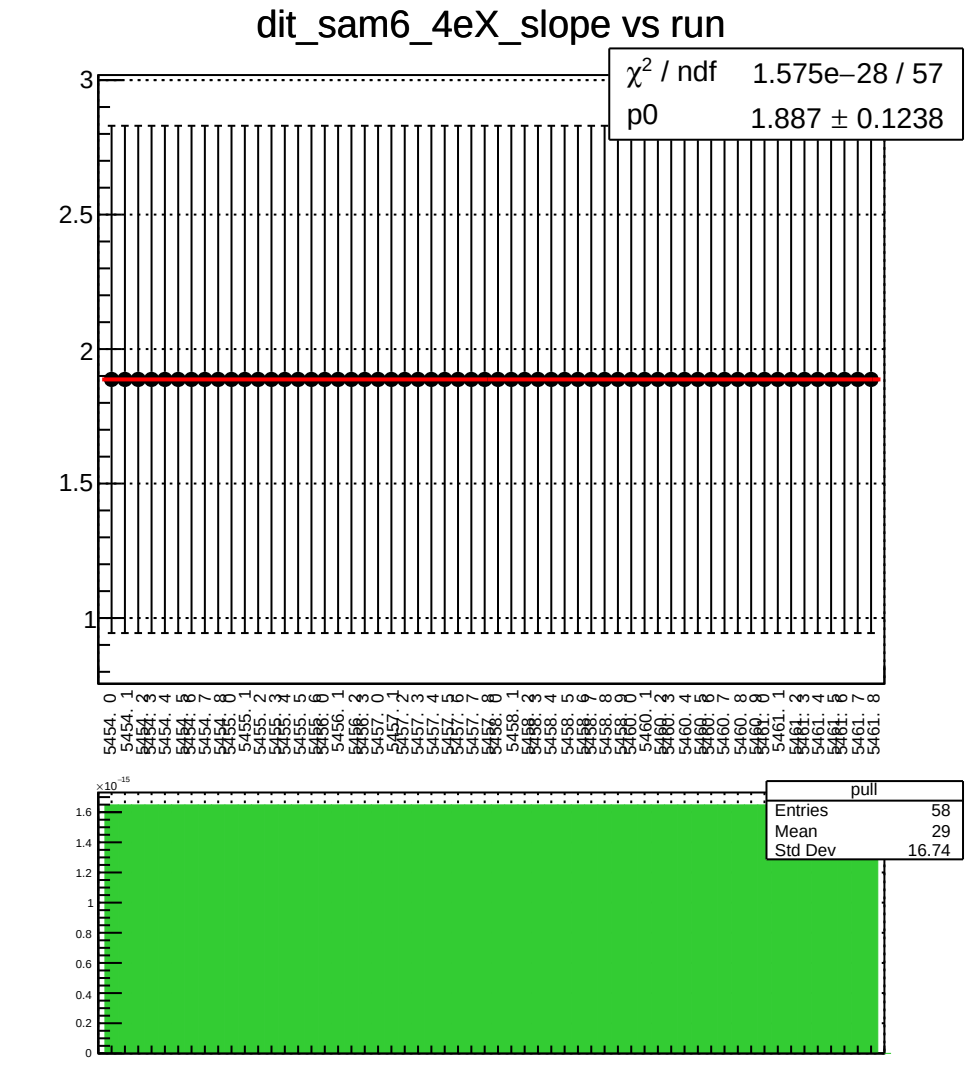

dit_sam5_4aY_slope vs run
χ² / ndf 1.163e−25 / 57
p0 53.9 ± 0.1667
55
54.5
54
53.5
53
52.5
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

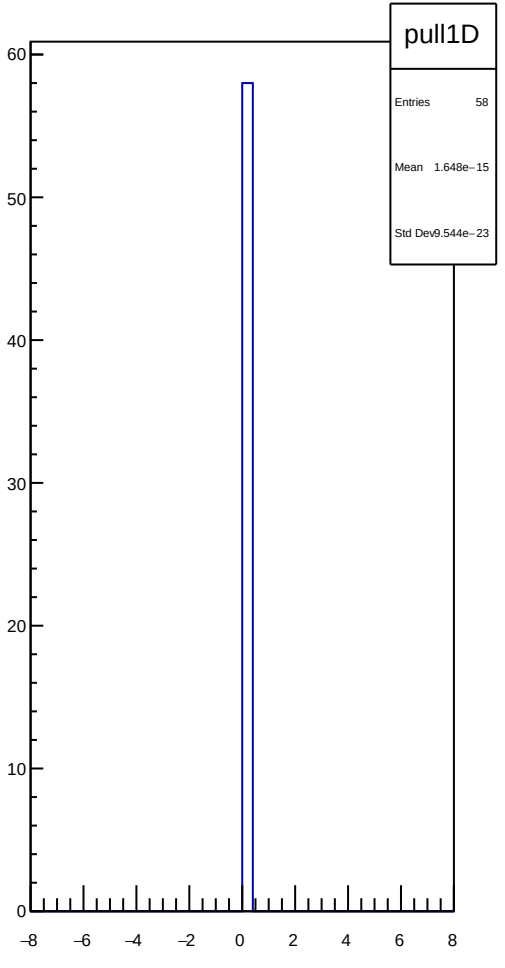

pull1D
Entries 58
Mean −4.479e−14
Std Dev1.694e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

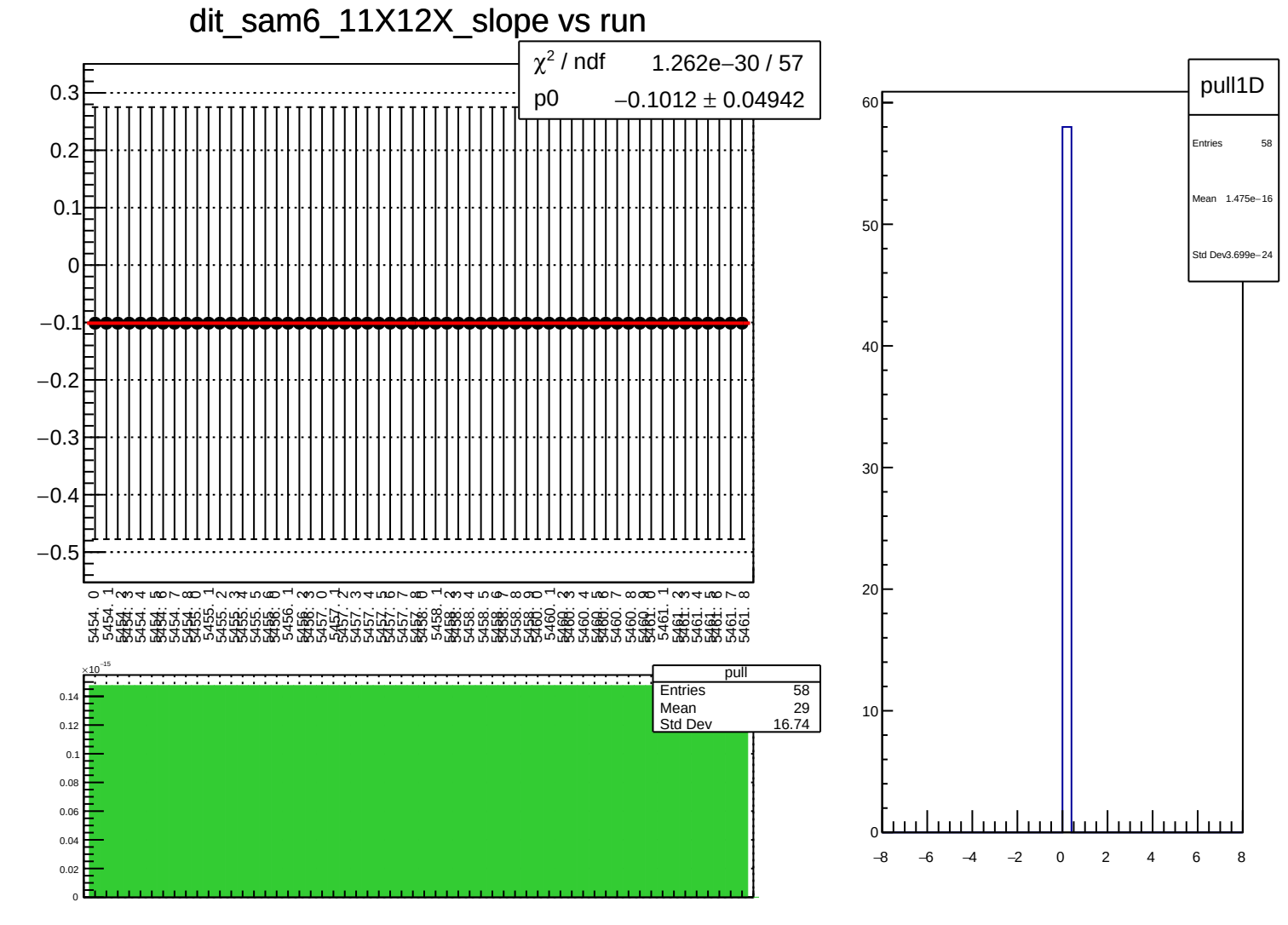

dit_sam5_4eY_slope vs run
χ² / ndf 2.04e−26 / 57
p0 20.51 ± 0.2239
pull
Entries 58
Mean 29
Std Dev 16.74

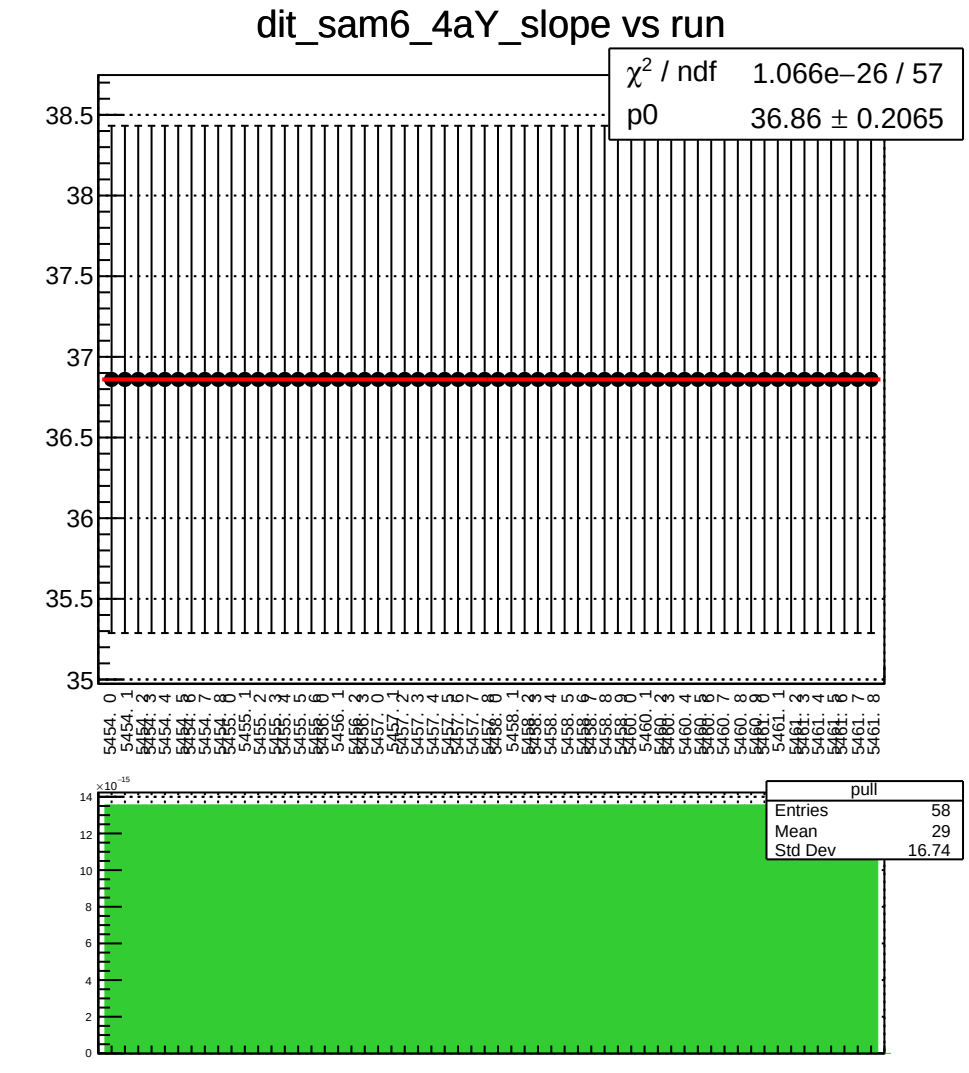

pull1D
Entries 58
Mean 1.875e−14
Std Dev 8.47e−22

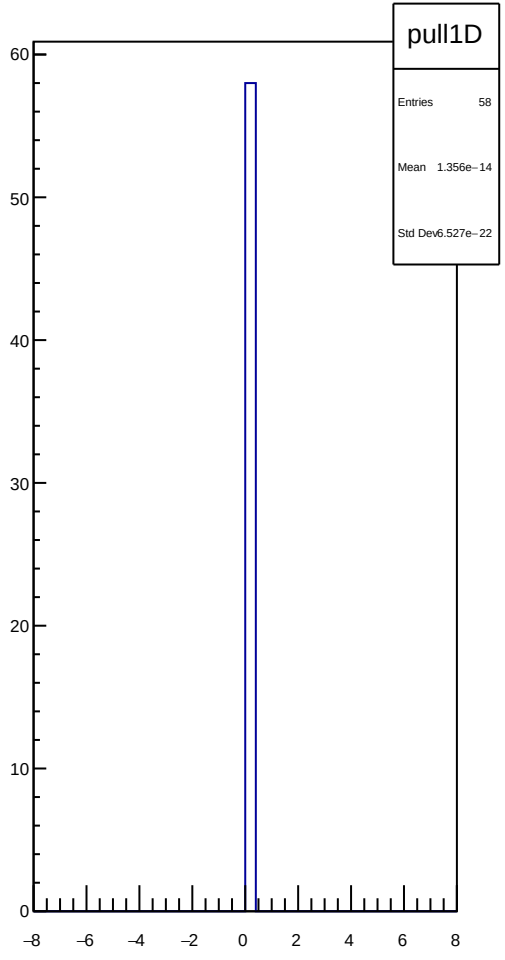

dit_sam6_4aX_slope vs run
χ² / ndf 6.255e−28 / 57
p0 16.59 ± 0.2841
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 3.284e−15
Std Dev 8.37e−23

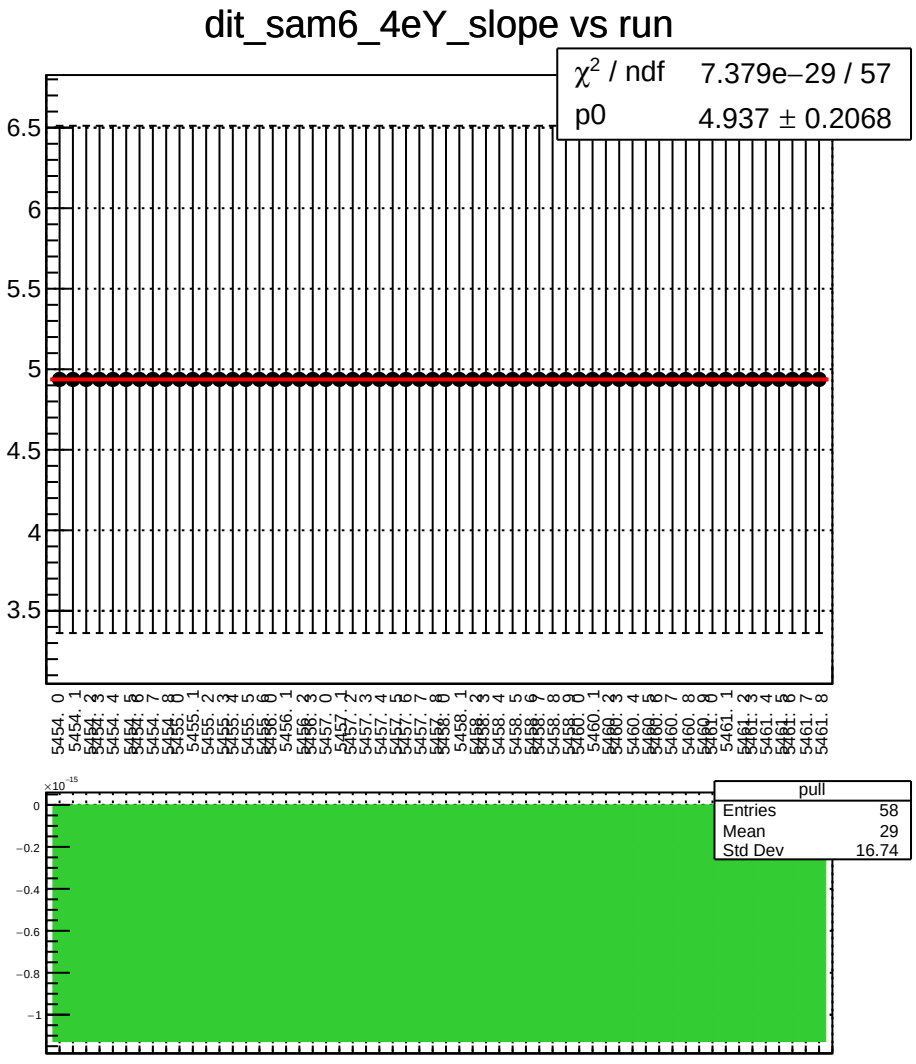

dit_sam6_4eX_slope vs run
χ² / ndf 1.575e−28 / 57
p0 1.887 ± 0.1238
pull
Entries 58
Mean 29
Std Dev 16.74

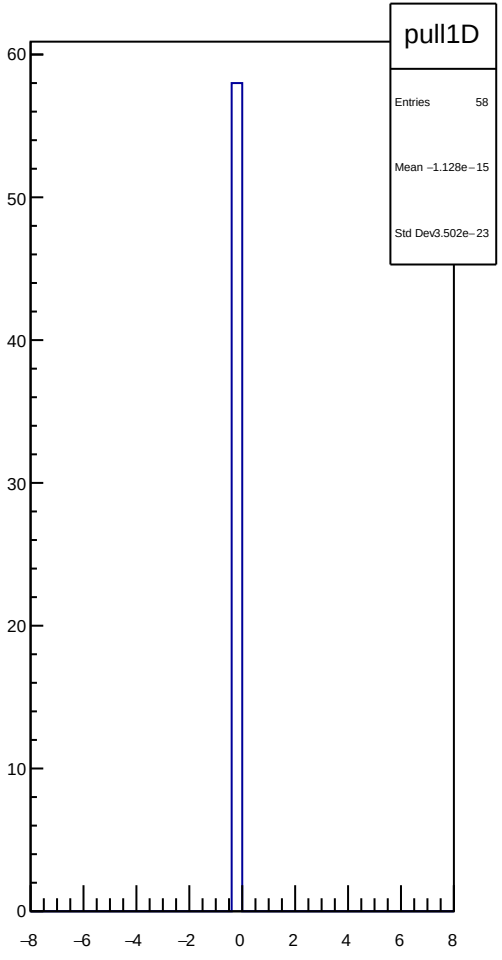

pull1D
Entries 58
Mean 1.648e−15
Std Dev 9.544e−23

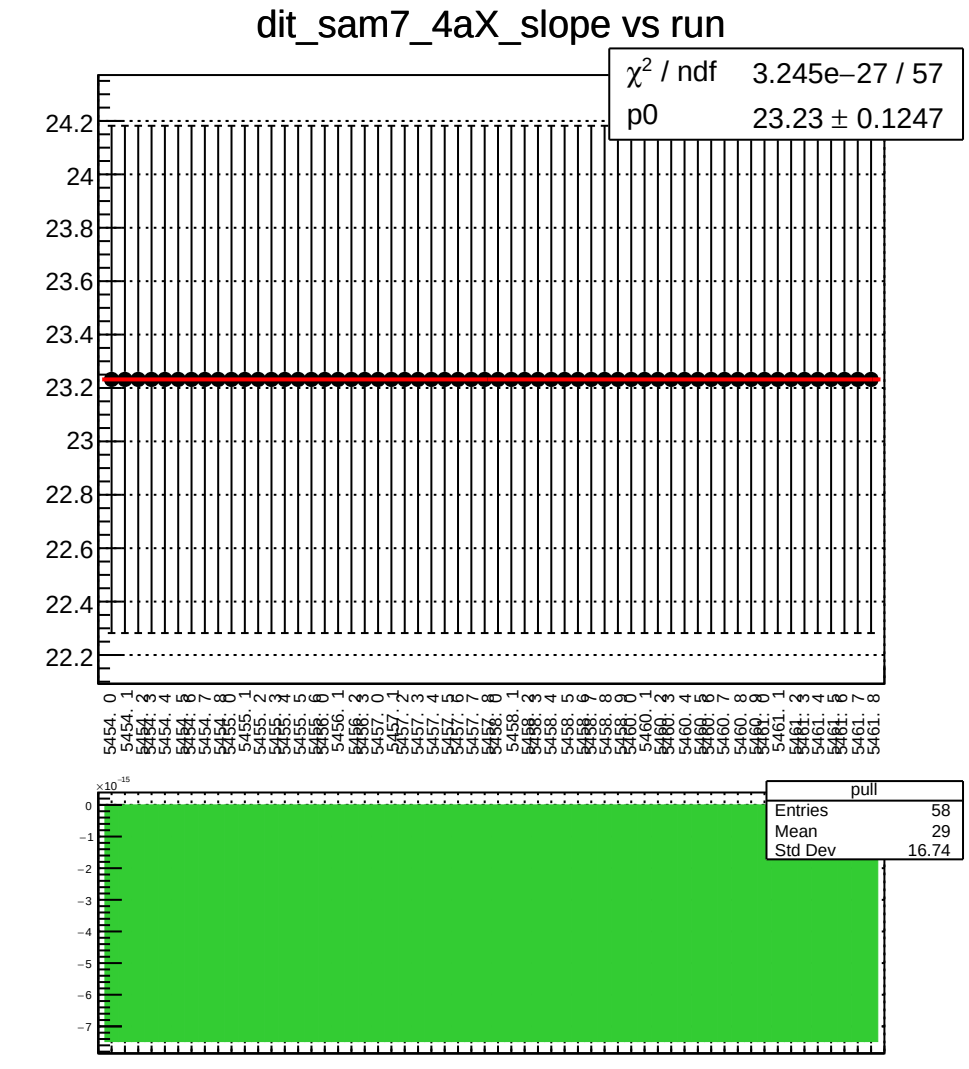

dit_sam6_11X12X_slope vs run
χ² / ndf 1.262e−30 / 57
p0 −0.1012 ± 0.04942
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 1.475e−16
Std Dev 3.699e−24

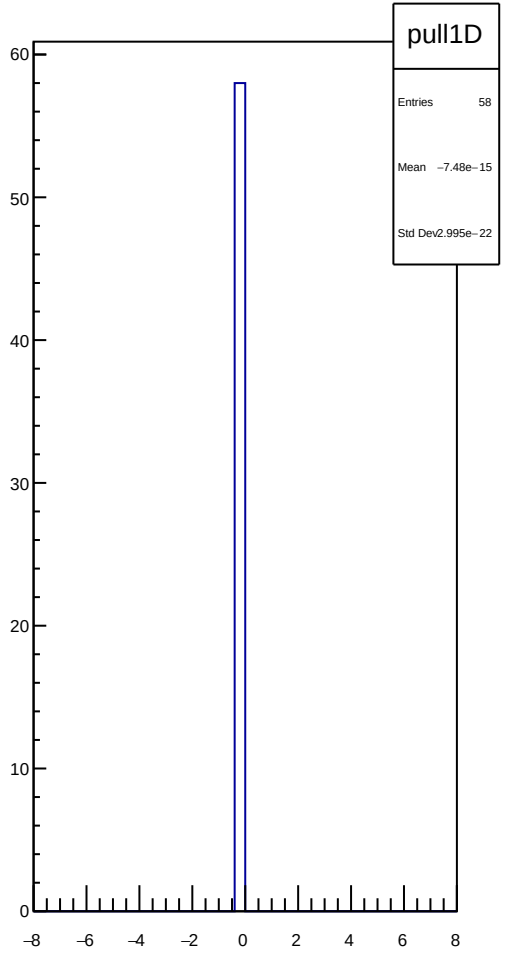

dit_sam6_4aY_slope vs run
χ² / ndf 1.066e−26 / 57
p0 36.86 ± 0.2065
38.5
38
37.5
37
36.5
36
35.5
35
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
14
12
10
8
6
4
2
0

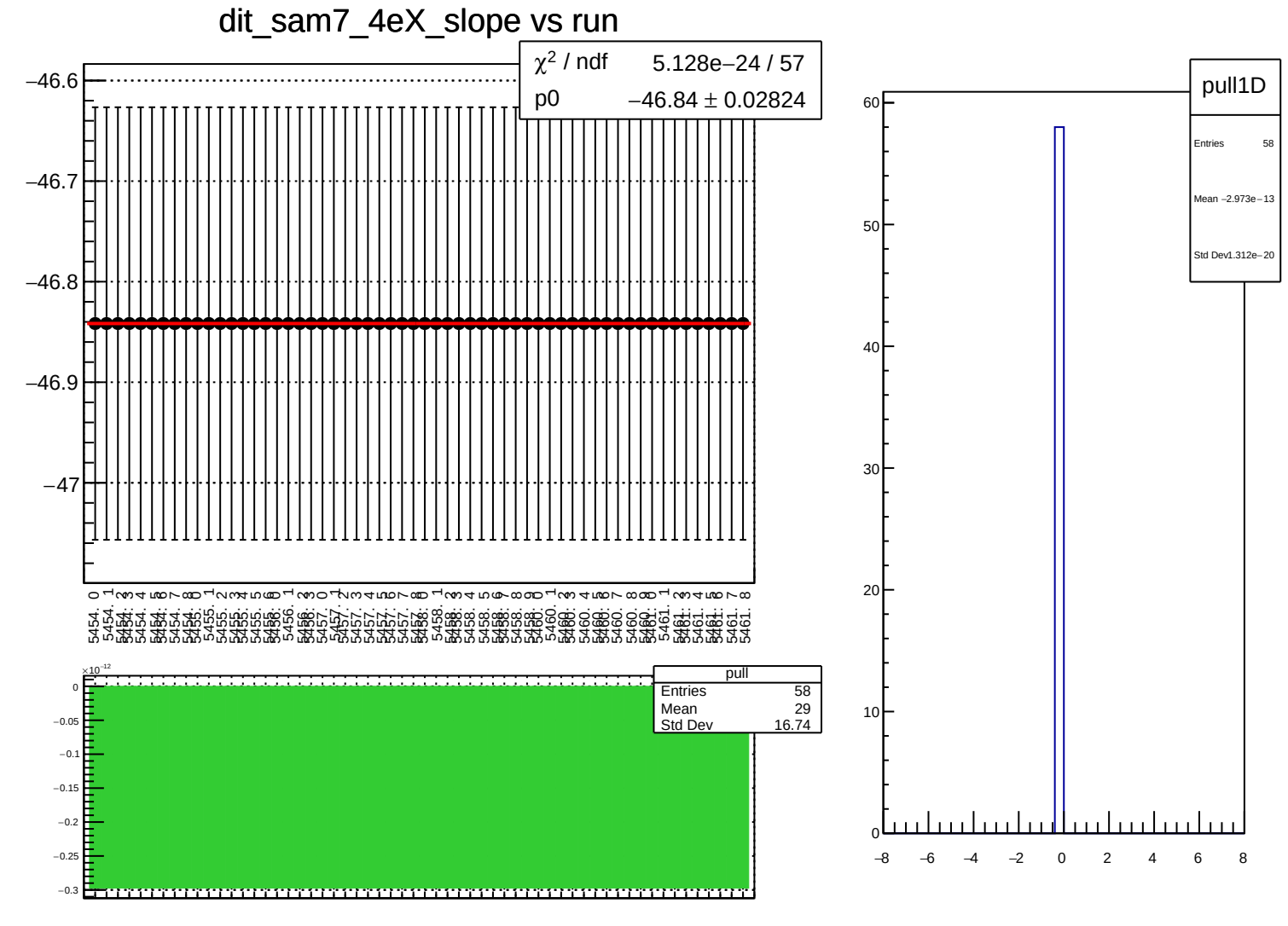

pull1D
Entries 58
Mean 1.356e−14
Std Dev 6.527e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

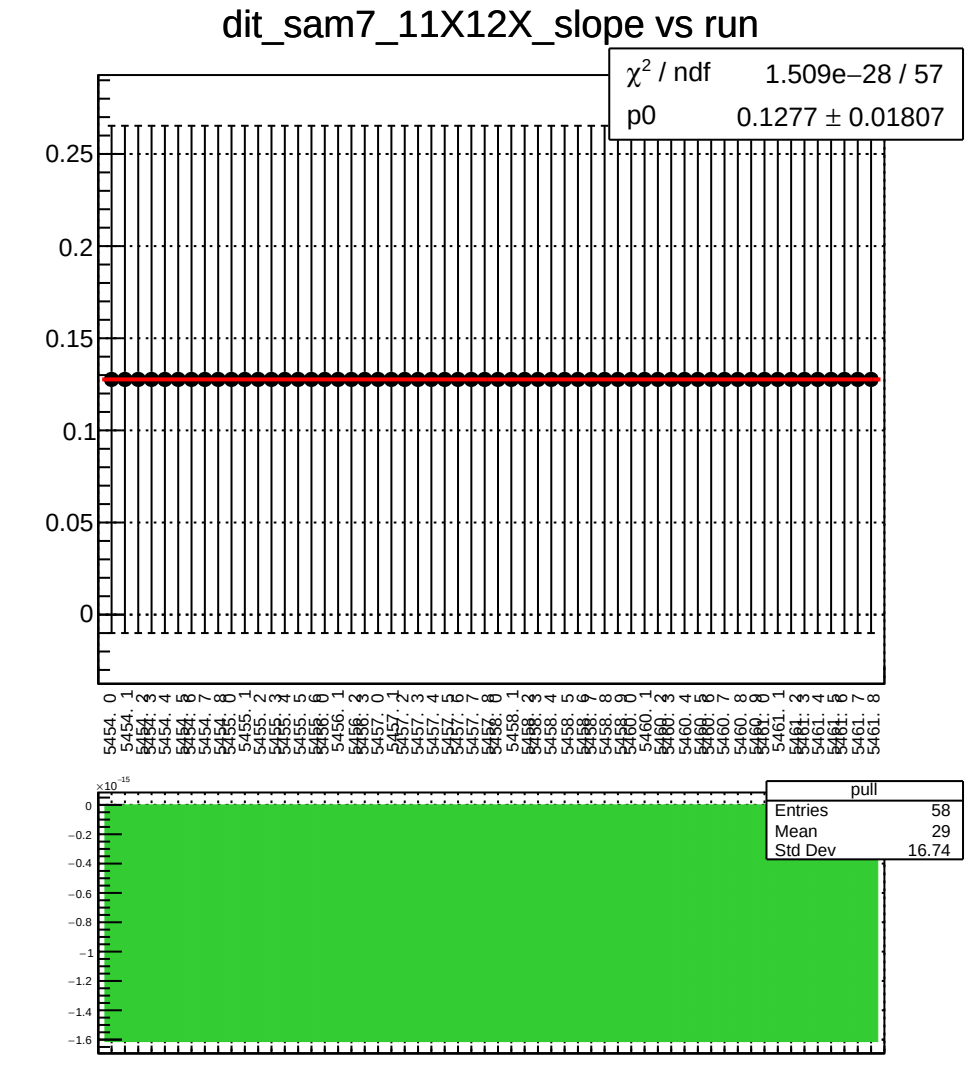

dit_sam6_4eY_slope vs run
χ² / ndf 7.379e−29 / 57
p0 4.937 ± 0.2068
pull
Entries 58
Mean 29
Std Dev 16.74

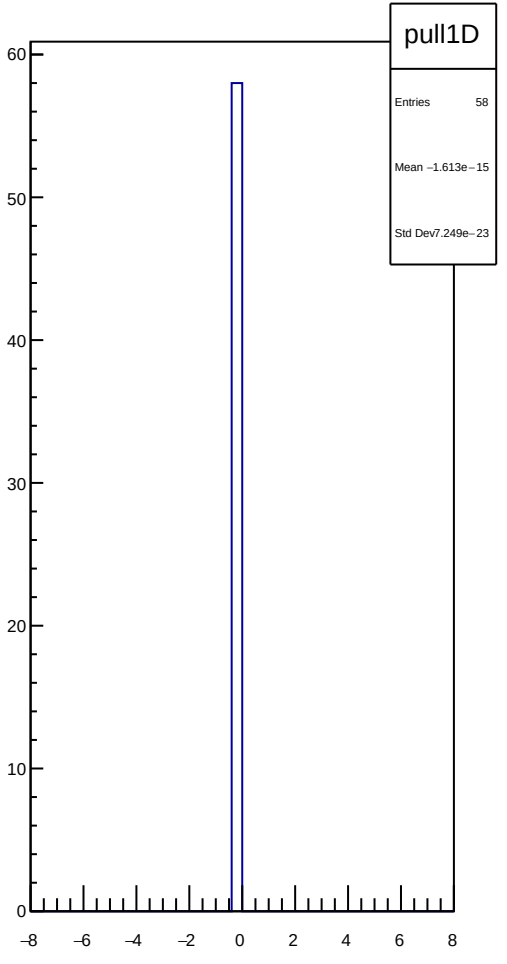

pull1D
Entries 58
Mean −1.128e−15
Std Dev3.502e−23

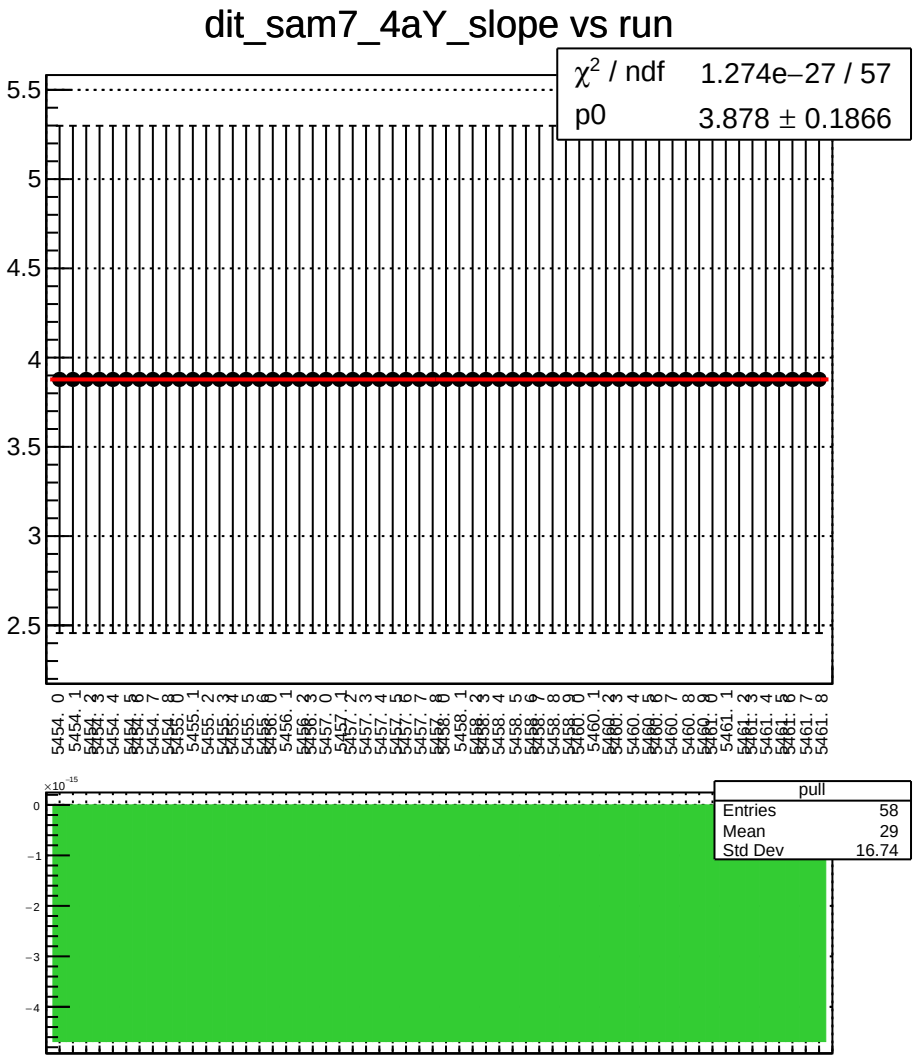

dit_sam7_4aX_slope vs run
χ² / ndf 3.245e−27 / 57
p0 23.23 ± 0.1247
24.2
24
23.8
23.6
23.4
23.2
23
22.8
22.6
22.4
22.2
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

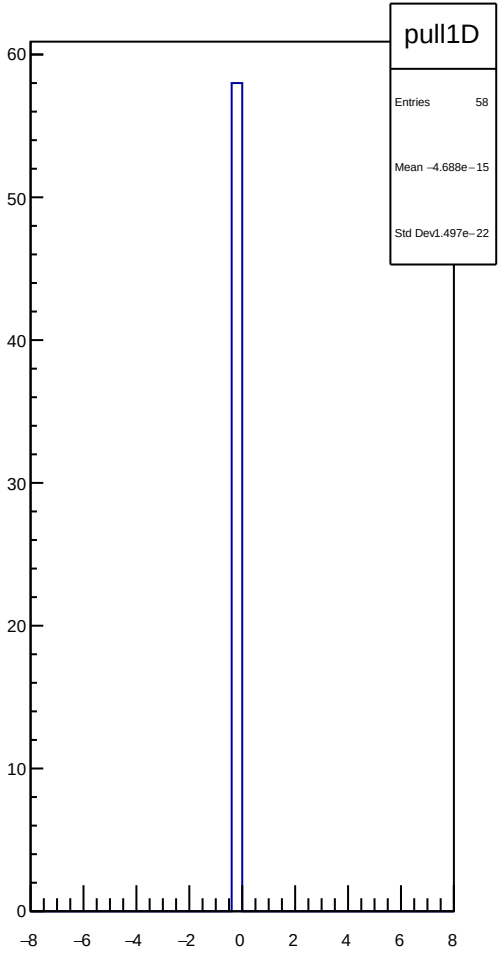

pull1D
Entries 58
Mean −7.48e−15
Std Dev 2.995e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

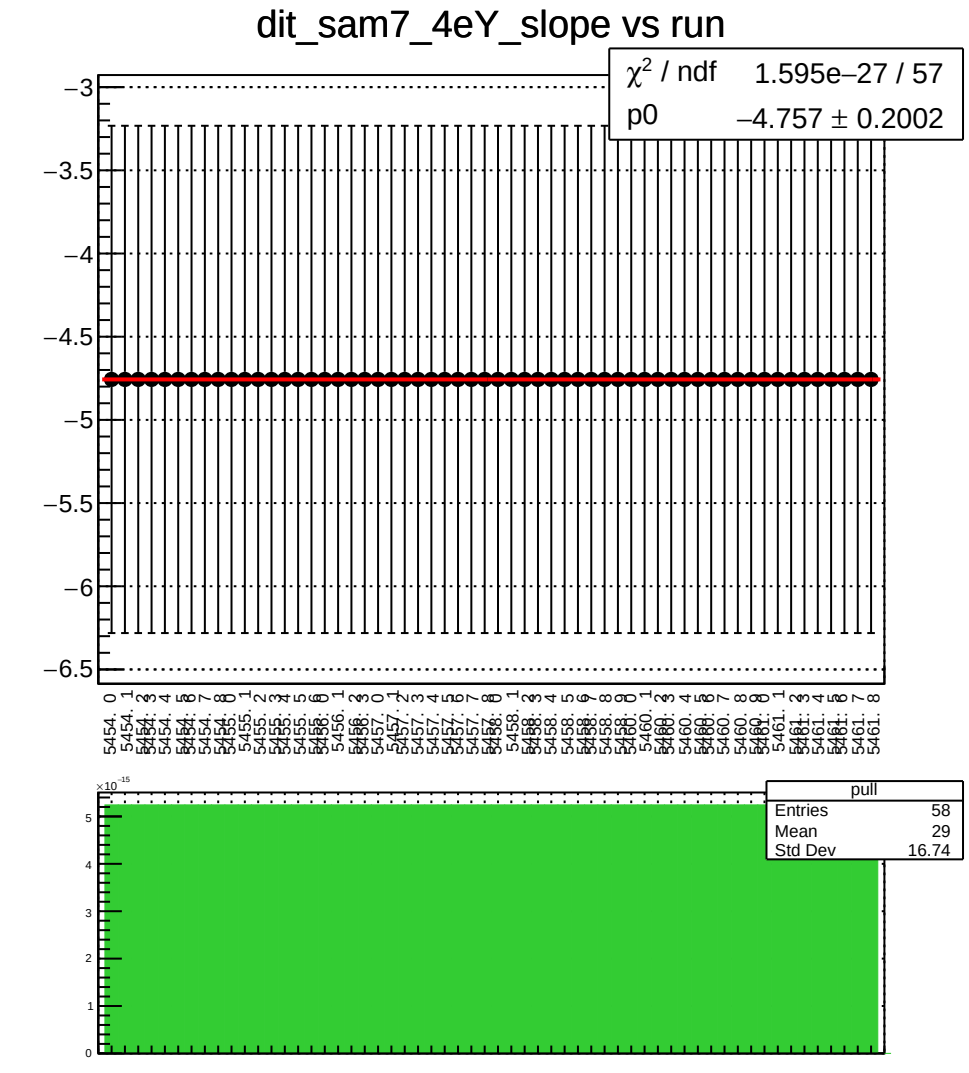

dit_sam7_4eX_slope vs run
χ² / ndf 5.128e−24 / 57
p0 −46.84 ± 0.02824
−46.6
−46.7
−46.8
−46.9
−47
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 58
Mean −2.973e−13
Std Dev1.312e−20
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

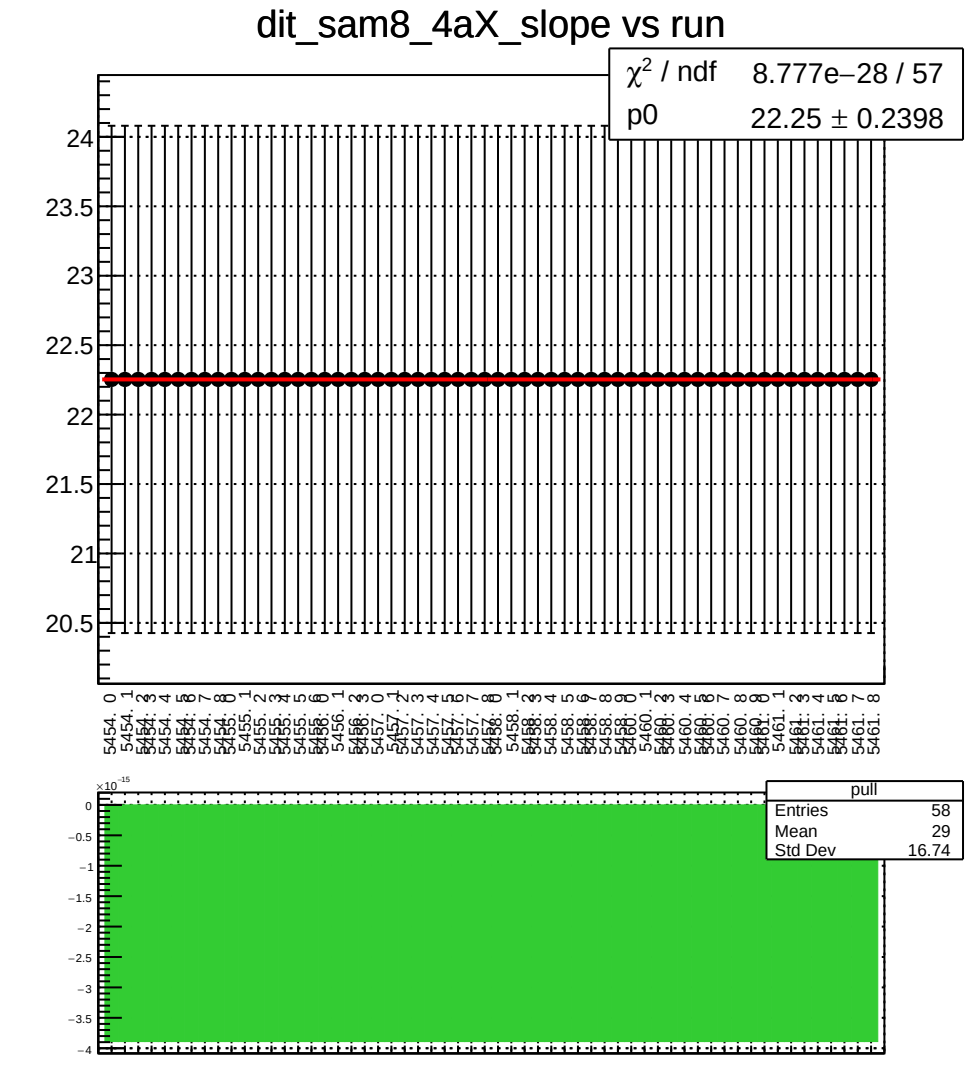

dit_sam7_11X12X_slope vs run
χ² / ndf 1.509e−28 / 57
p0 0.1277 ± 0.01807
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6

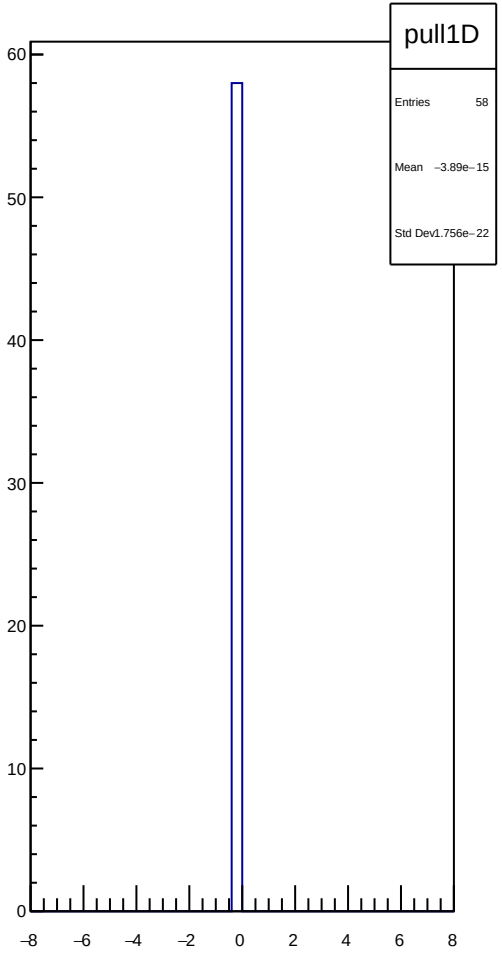

pull1D
Entries 58
Mean −1.613e−15
Std Dev7.249e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

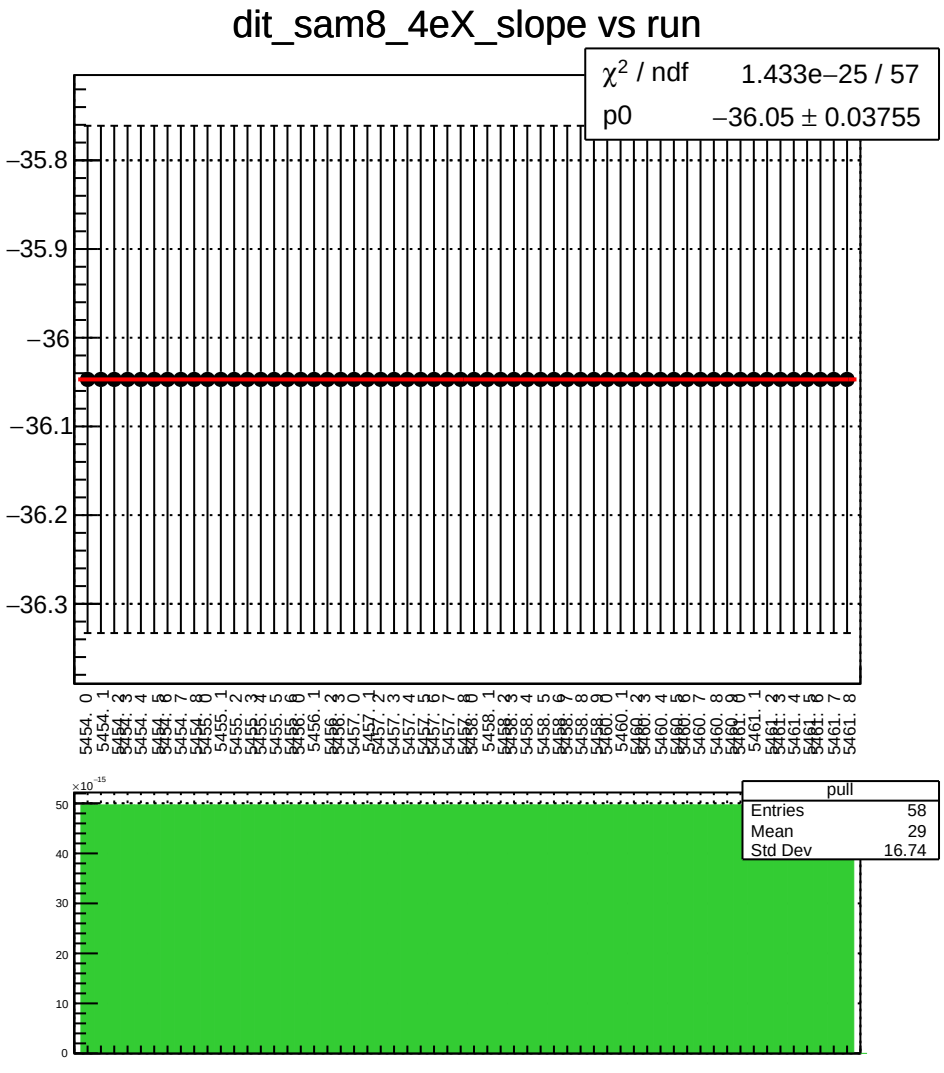

dit_sam7_4aY_slope vs run
χ² / ndf 1.274e−27 / 57
p0 3.878 ± 0.1866
pull
Entries 58
Mean 29
Std Dev 16.74

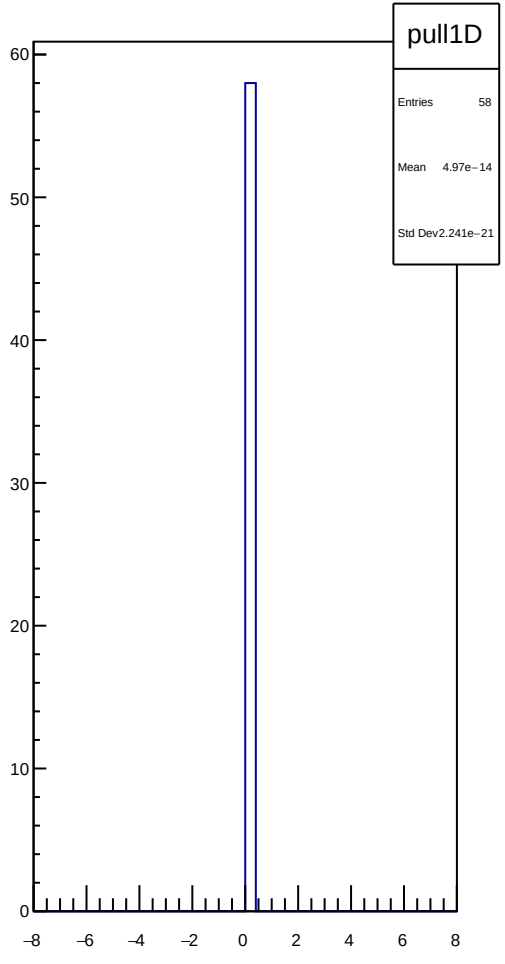

pull1D
Entries 58
Mean −4.688e−15
Std Dev1.497e−22

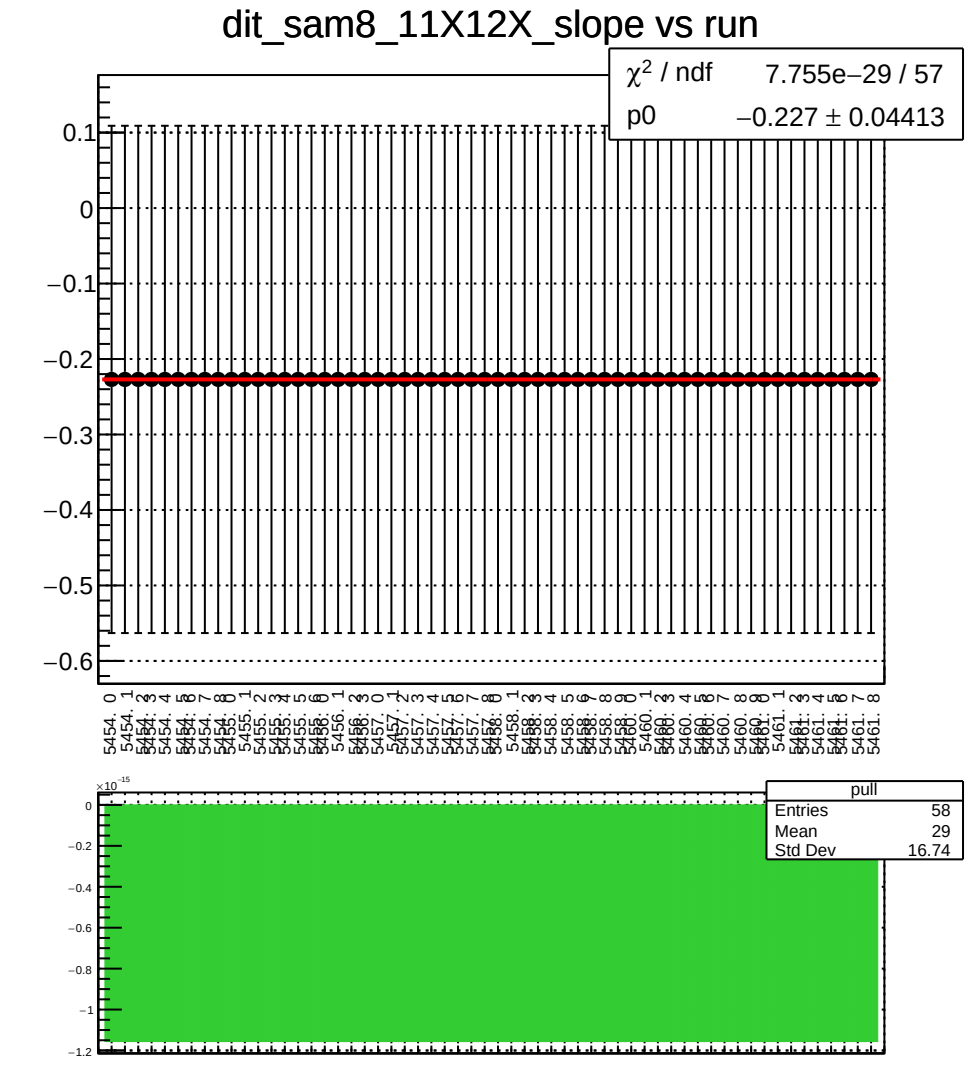

dit_sam7_4eY_slope vs run
χ² / ndf 1.595e−27 / 57
p0 −4.757 ± 0.2002
pull
Entries 58
Mean 29
Std Dev 16.74
pull1D
Entries 58
Mean 5.243e−15
Std Dev 1.497e−22

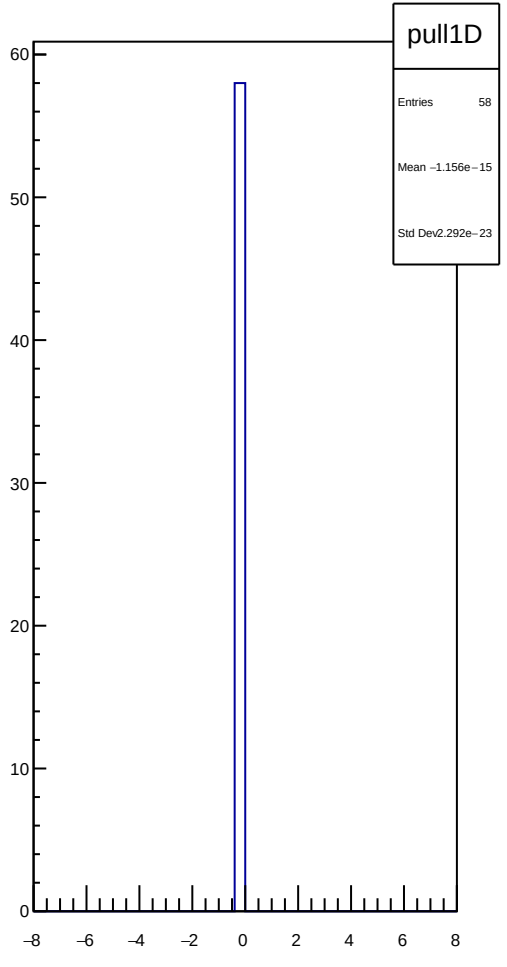

dit_sam8_4aX_slope vs run
χ² / ndf 8.777e−28 / 57
p0 22.25 ± 0.2398
pull
Entries 58
Mean 29
Std Dev 16.74

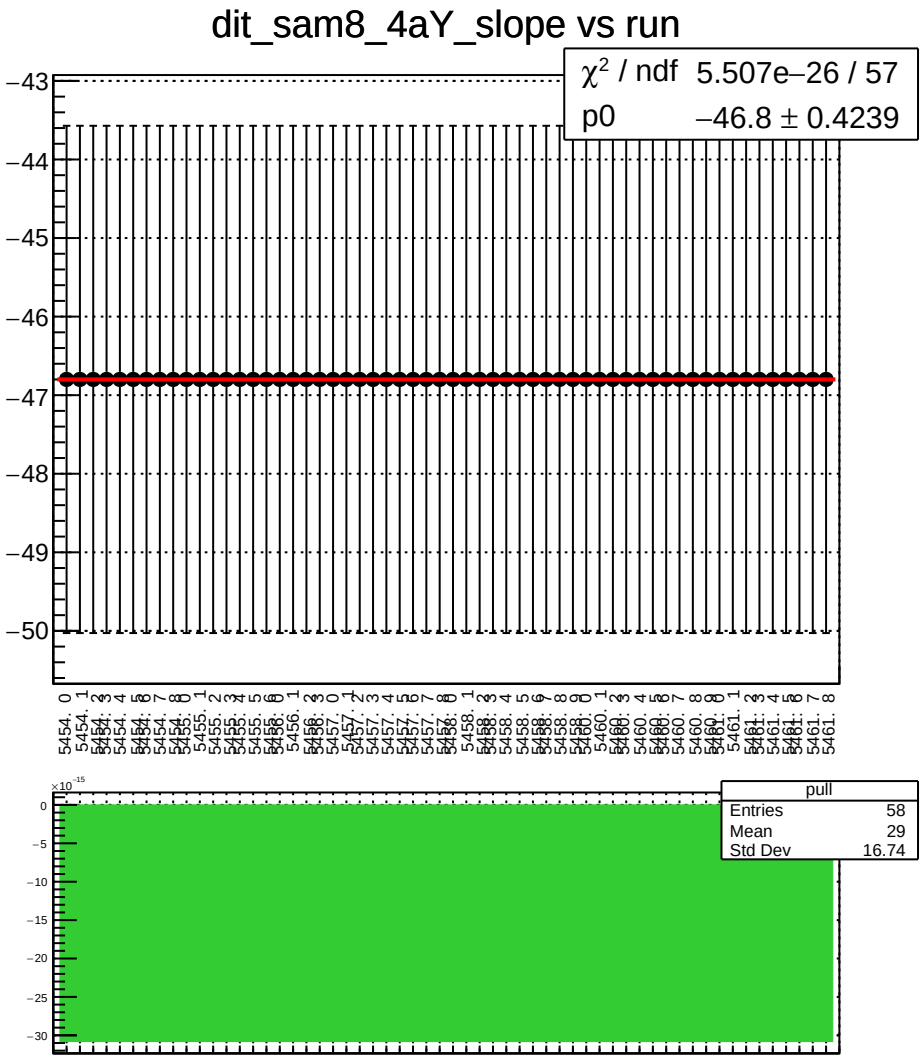

pull1D
Entries 58
Mean −3.89e−15
Std Dev1.756e−22

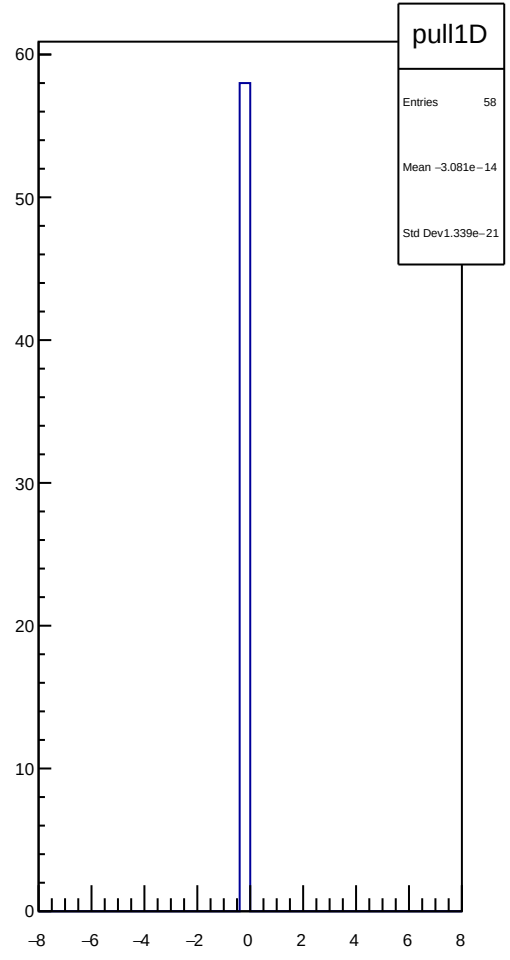

dit_sam8_4eX_slope vs run
χ² / ndf 1.433e−25 / 57
p0 −36.05 ± 0.03755
−35.8
−35.9
−36
−36.1
−36.2
−36.3
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
50
40
30
20
10
0

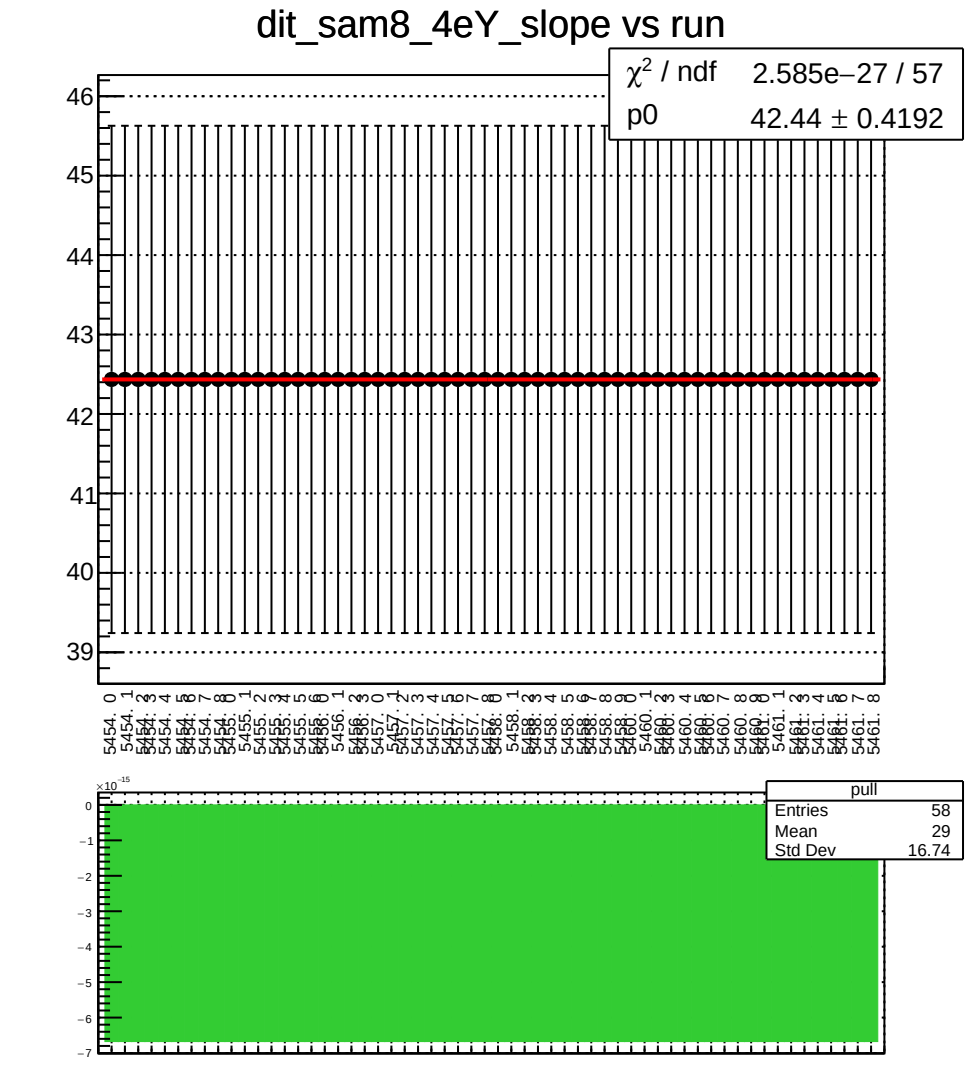

pull1D
Entries 58
Mean 4.97e−14
Std Dev2.241e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

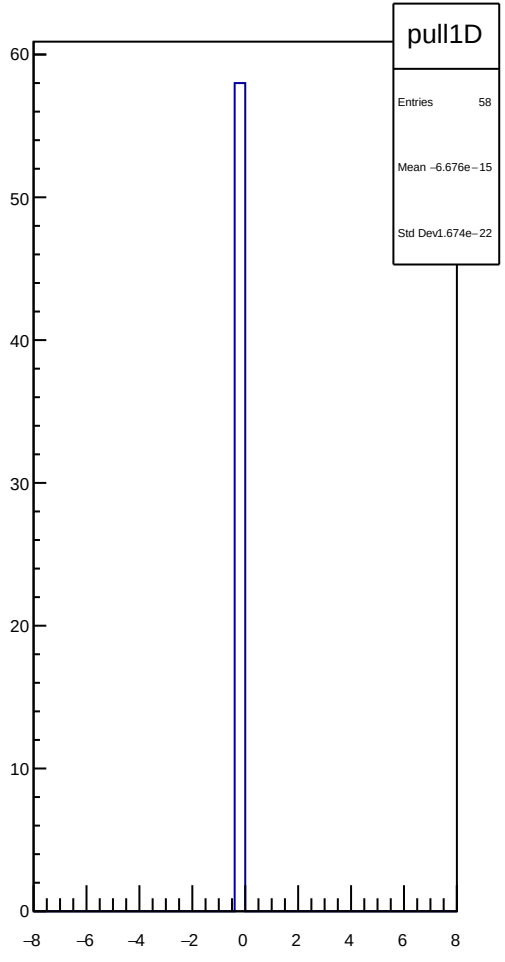

dit_sam8_11X12X_slope vs run
χ² / ndf 7.755e−29 / 57
p0 −0.227 ± 0.04413
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull
Entries 58
Mean 29
Std Dev 16.74
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

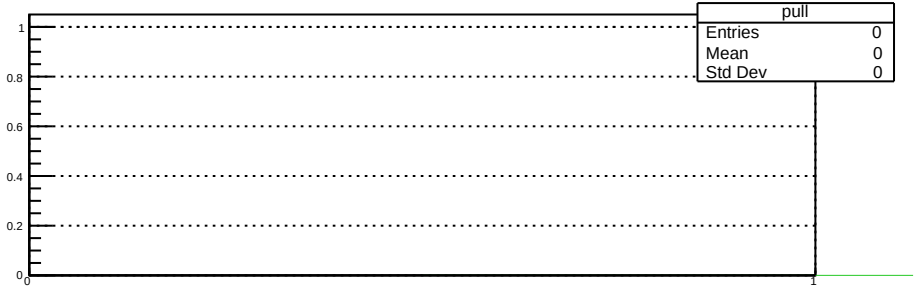

pull1D
Entries 58
Mean −1.156e−15
Std Dev 2.292e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

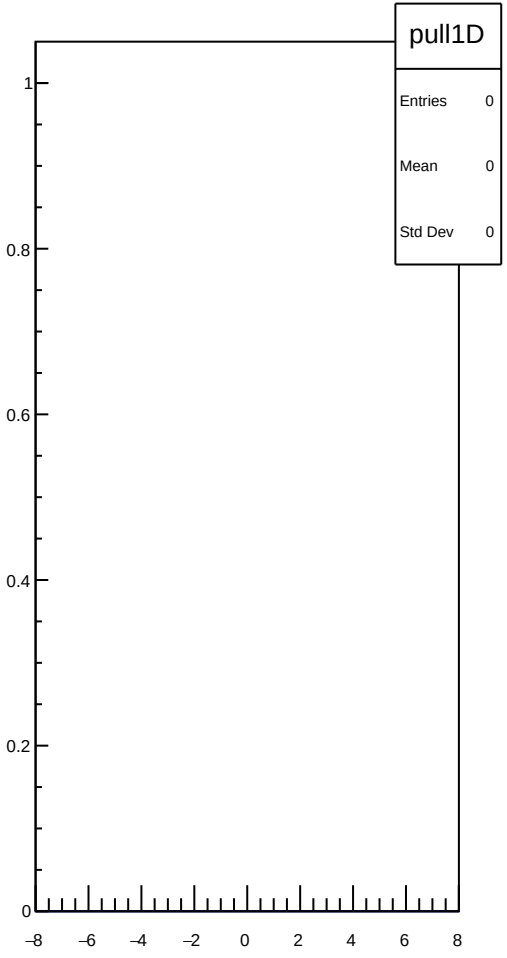

dit_sam8_4aY_slope vs run
χ² / ndf 5.507e−26 / 57
p0 −46.8 ± 0.4239
pull
Entries 58
Mean 29
Std Dev 16.74

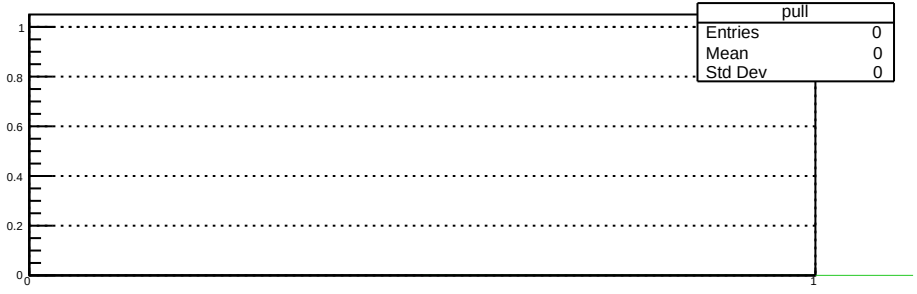

pull1D
Entries 58
Mean −3.081e−14
Std Dev1.339e−21

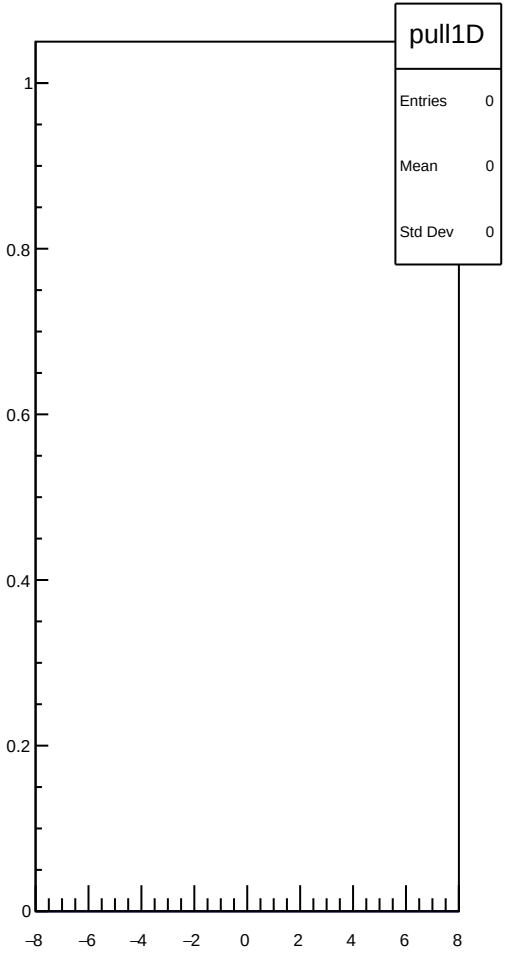

dit_sam8_4eY_slope vs run
χ² / ndf 2.585e−27 / 57
p0 42.44 ± 0.4192
pull
Entries 58
Mean 29
Std Dev 16.74

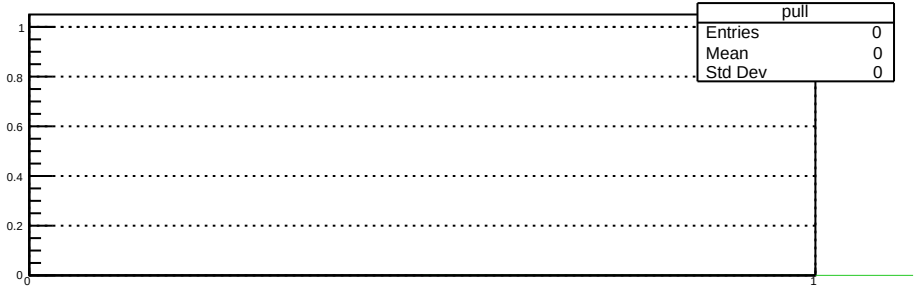

pull1D
Entries 58
Mean −6.676e−15
Std Dev1.674e−22

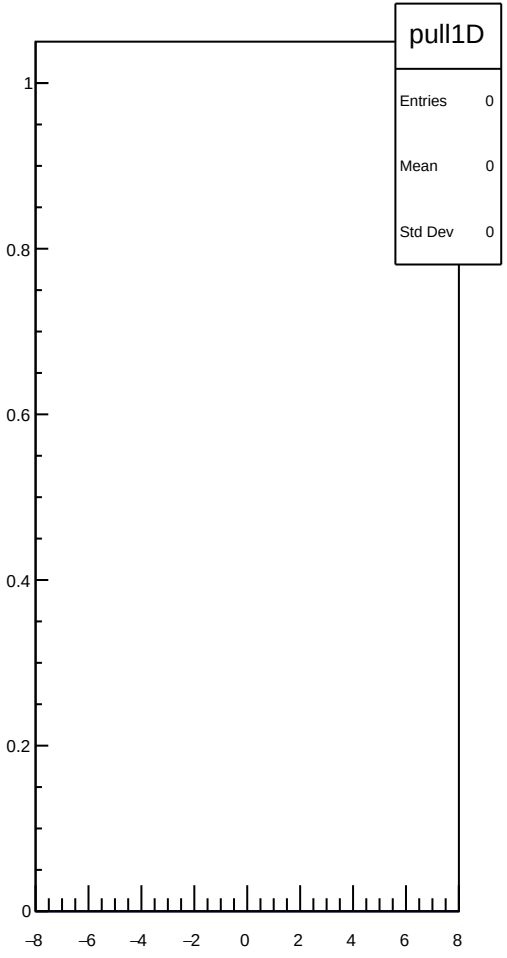

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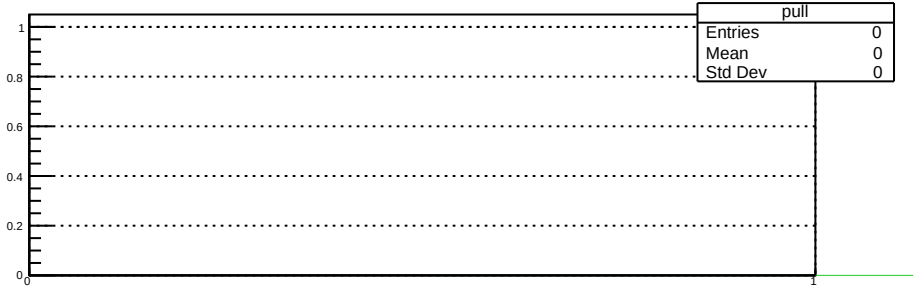

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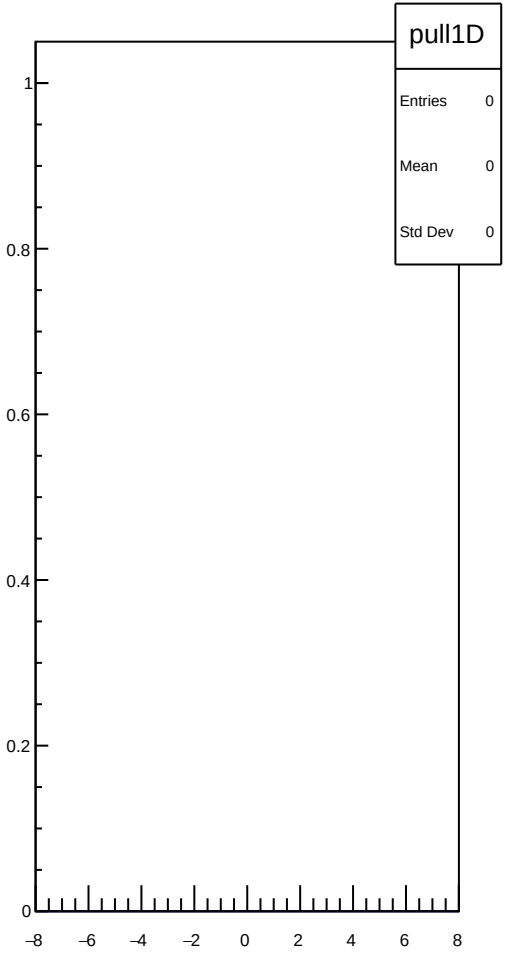

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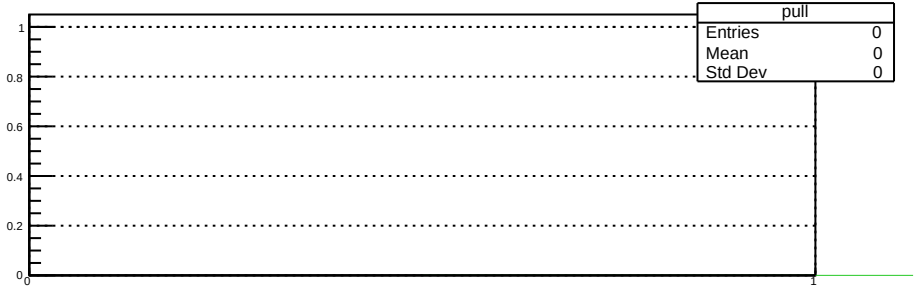

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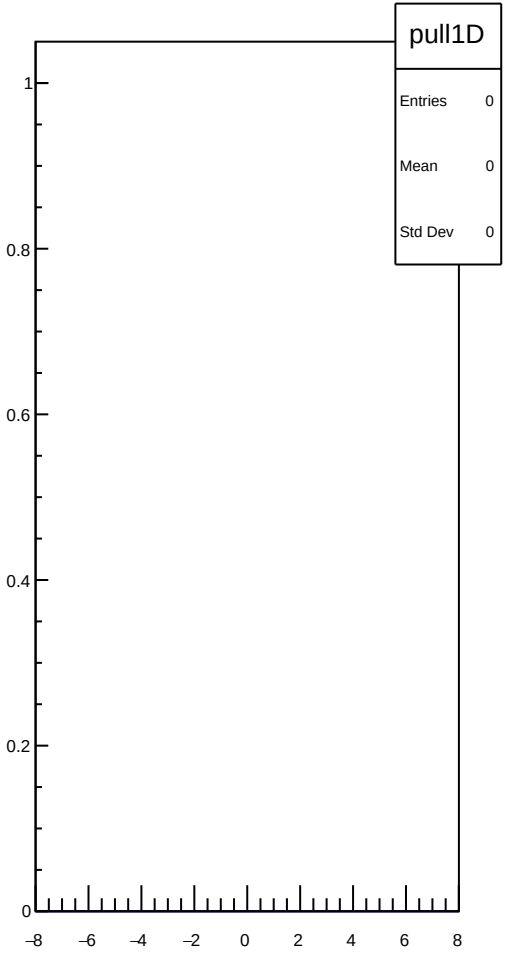

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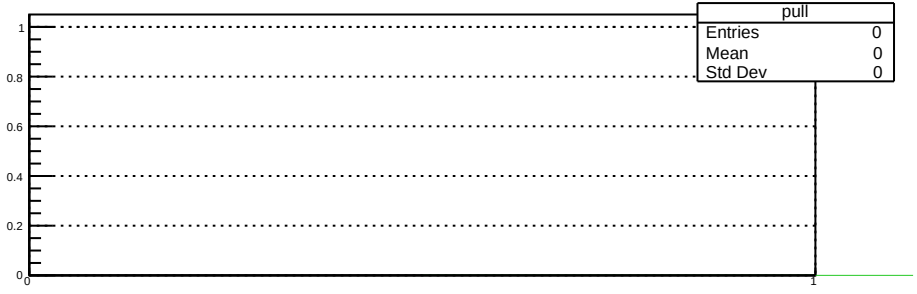

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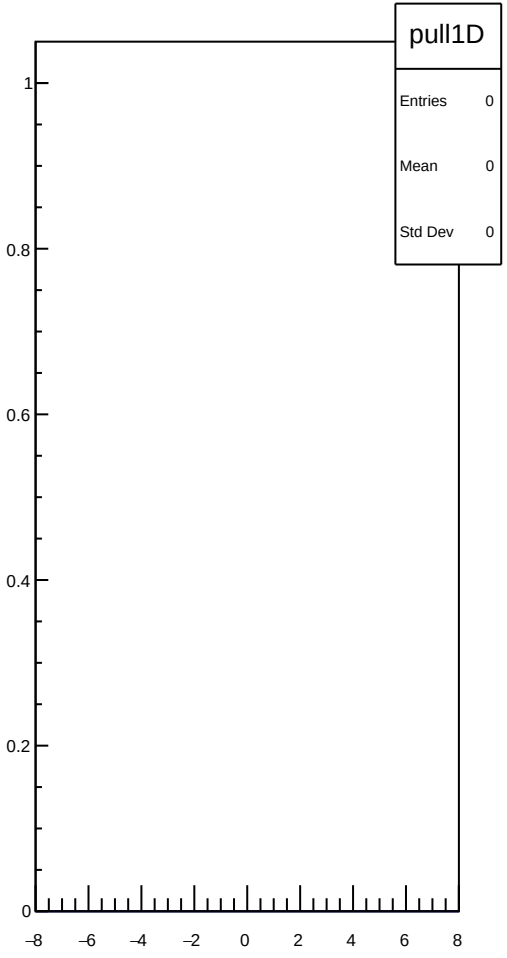

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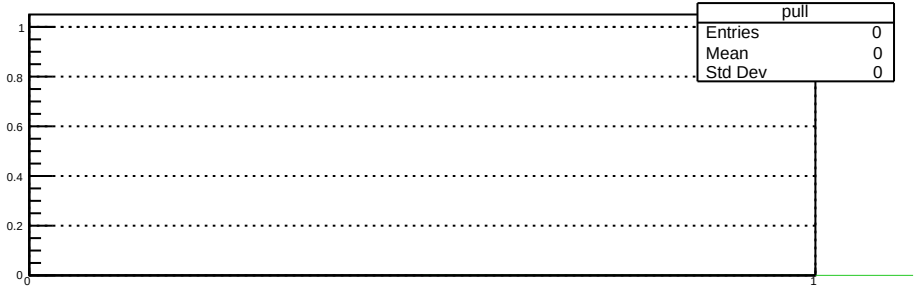

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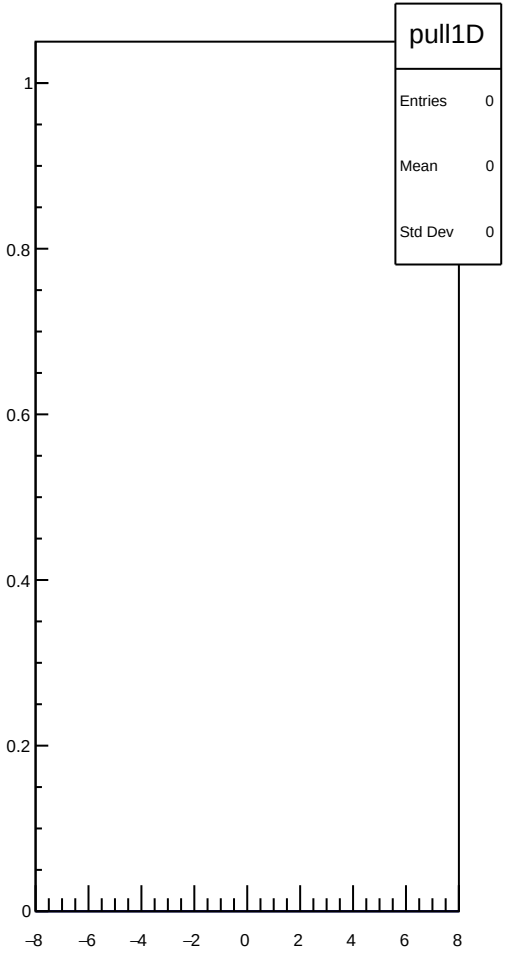

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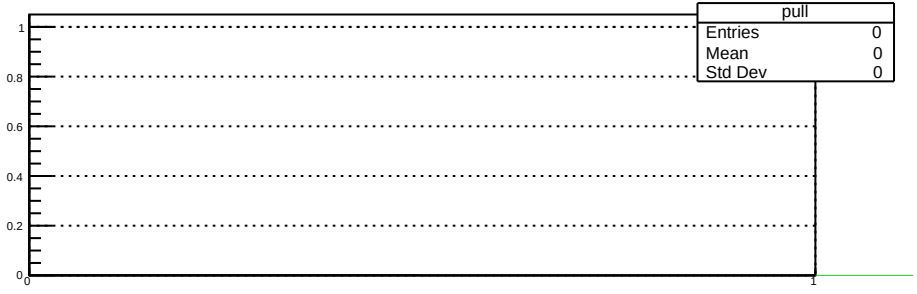

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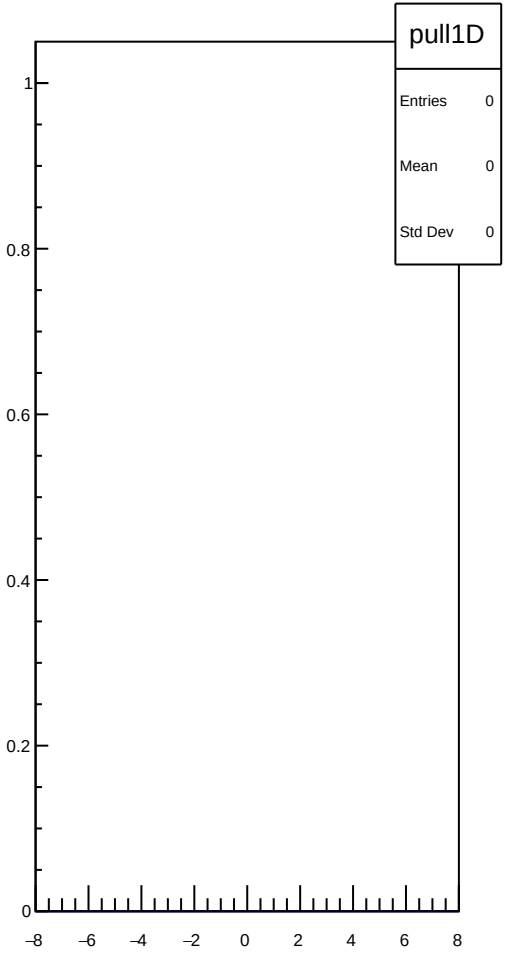

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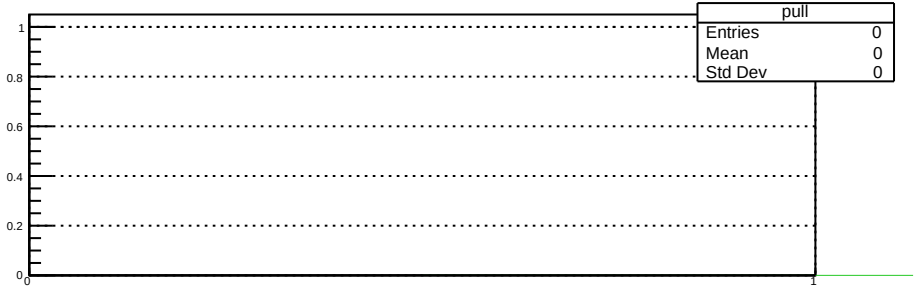

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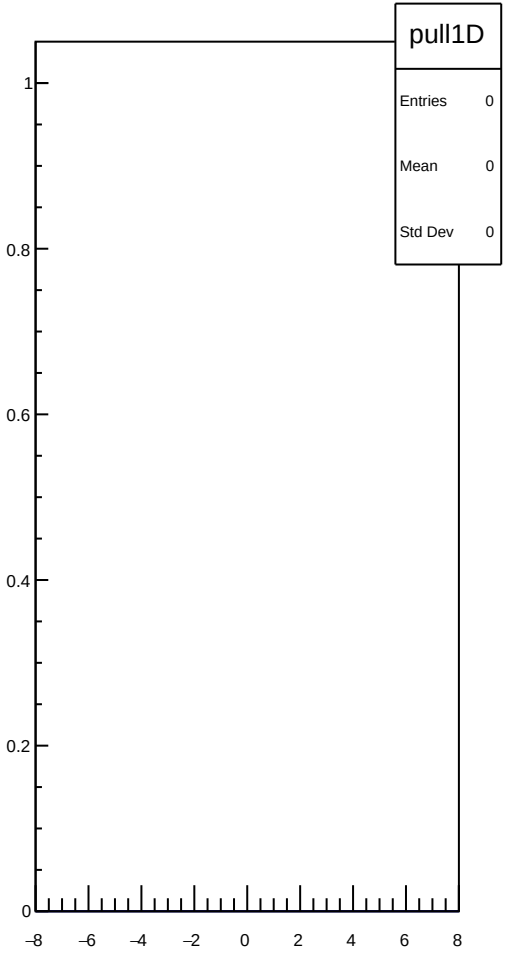

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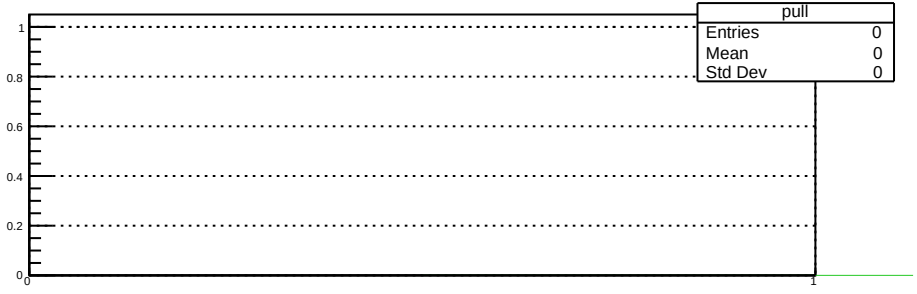

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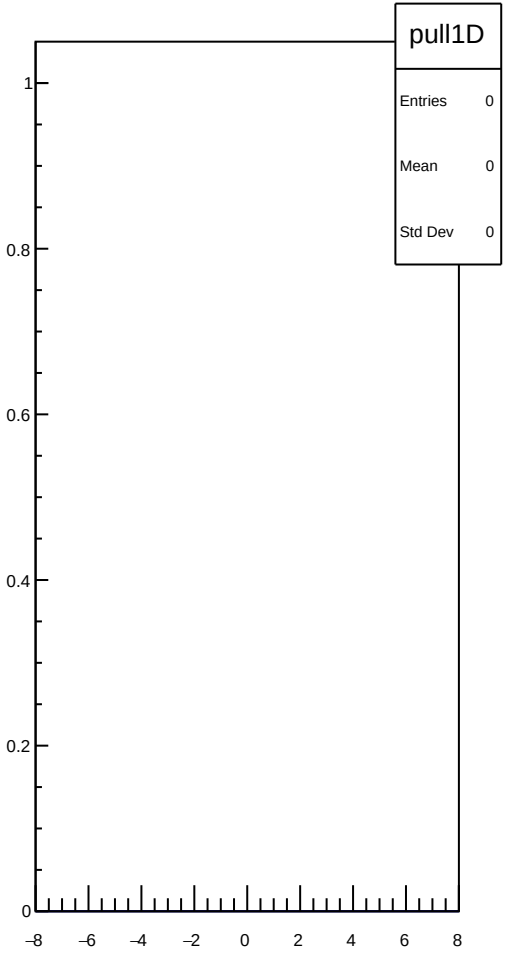

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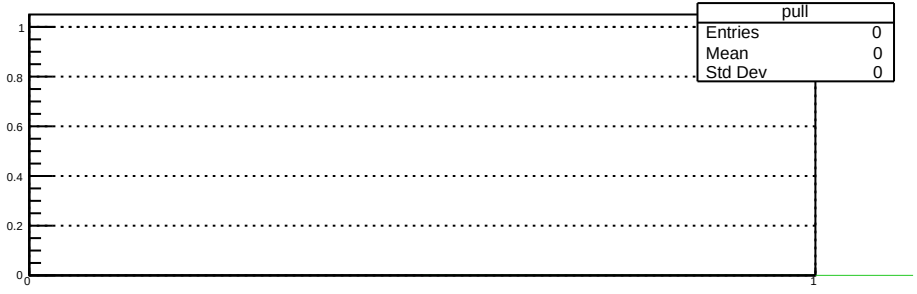

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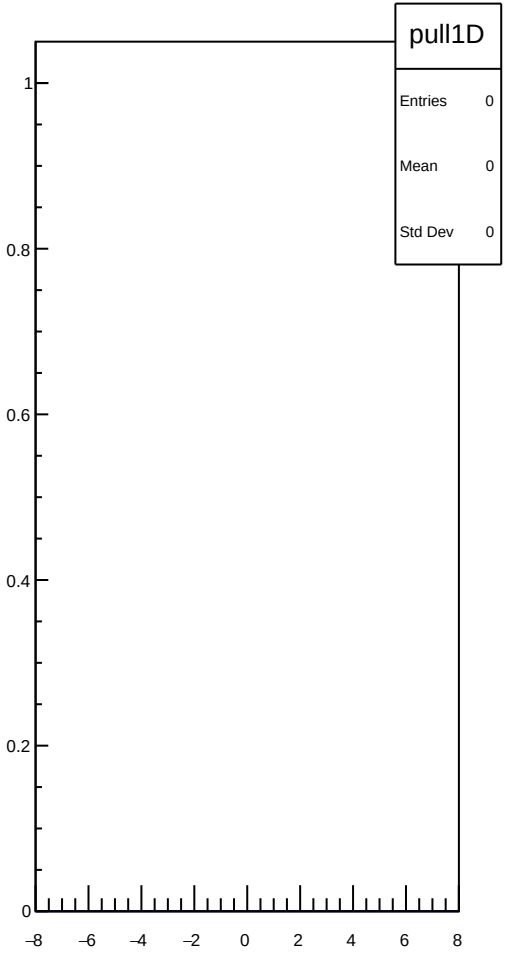

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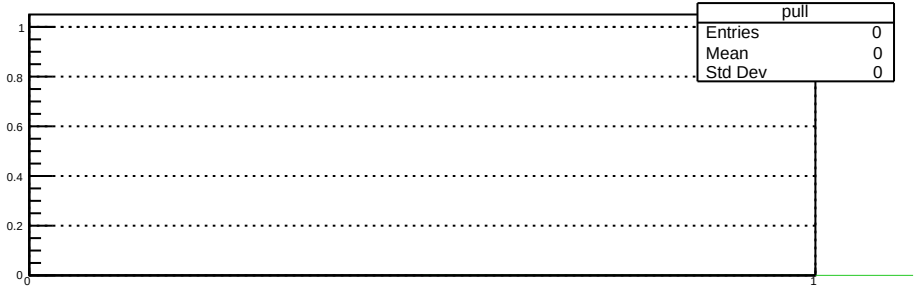

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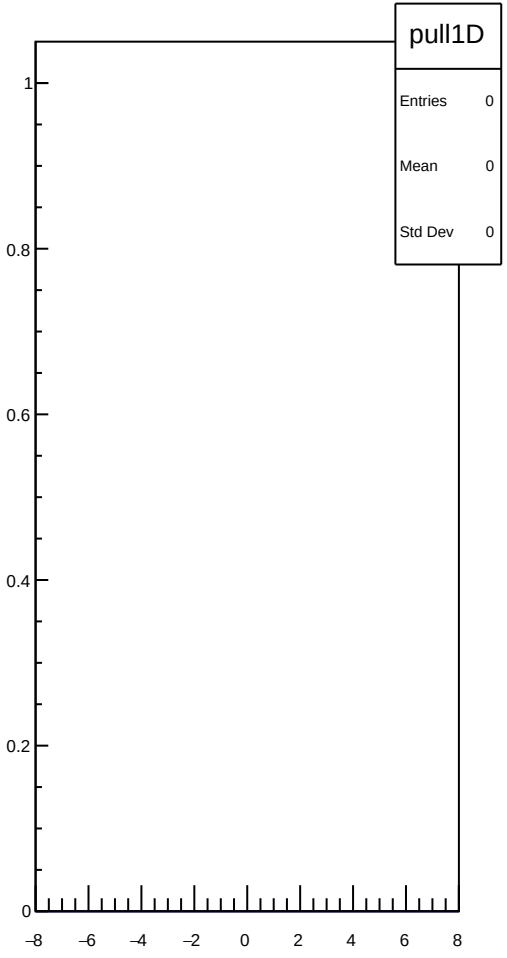

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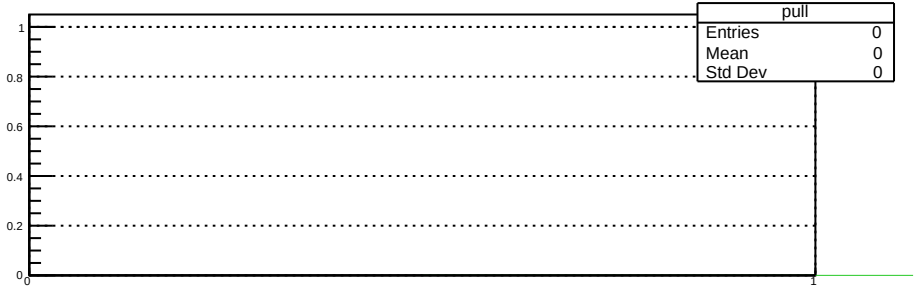

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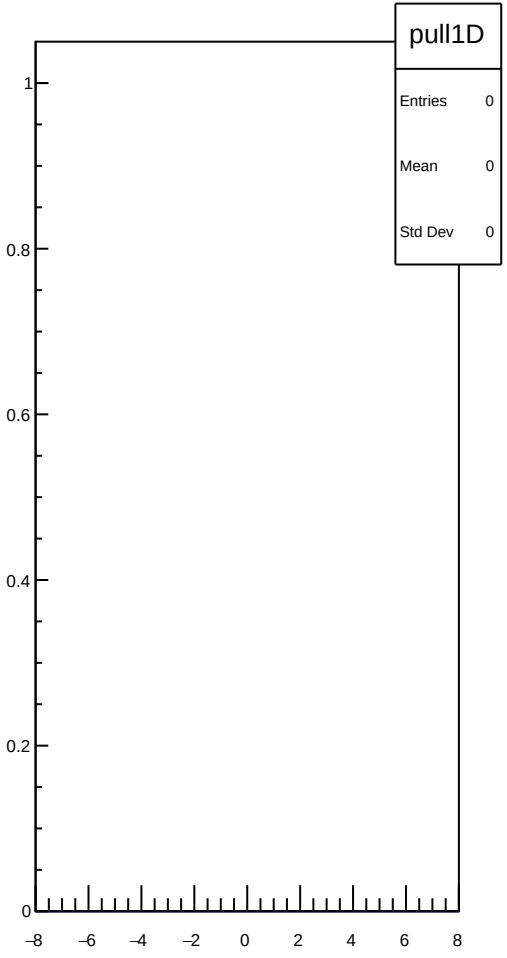

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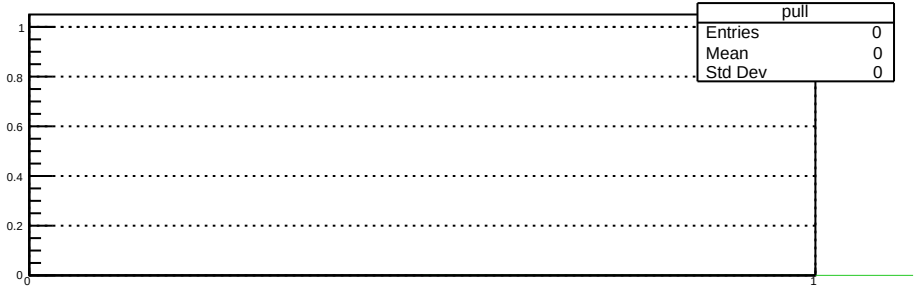

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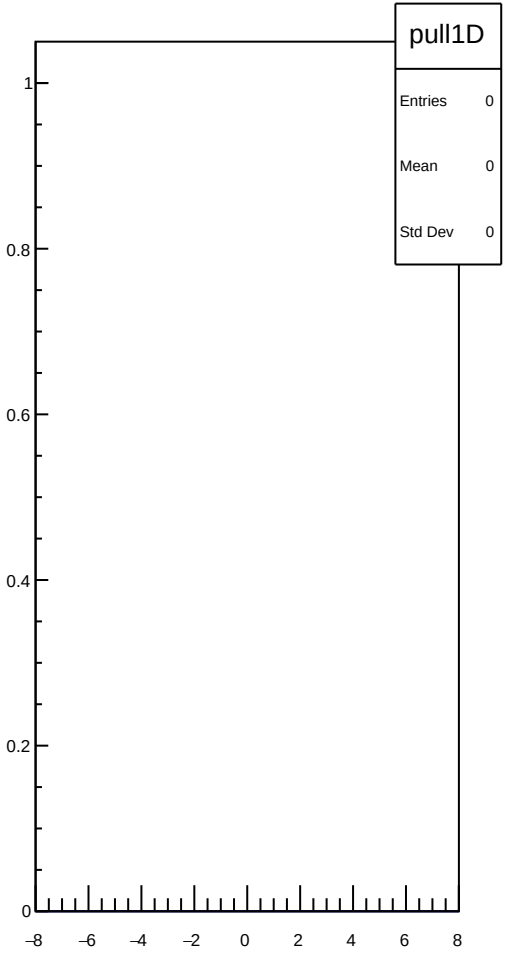

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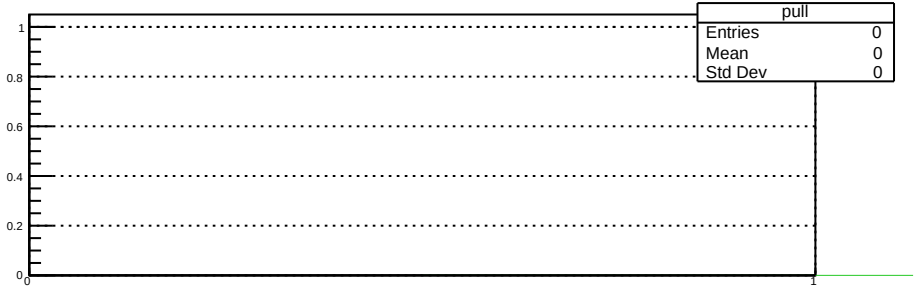

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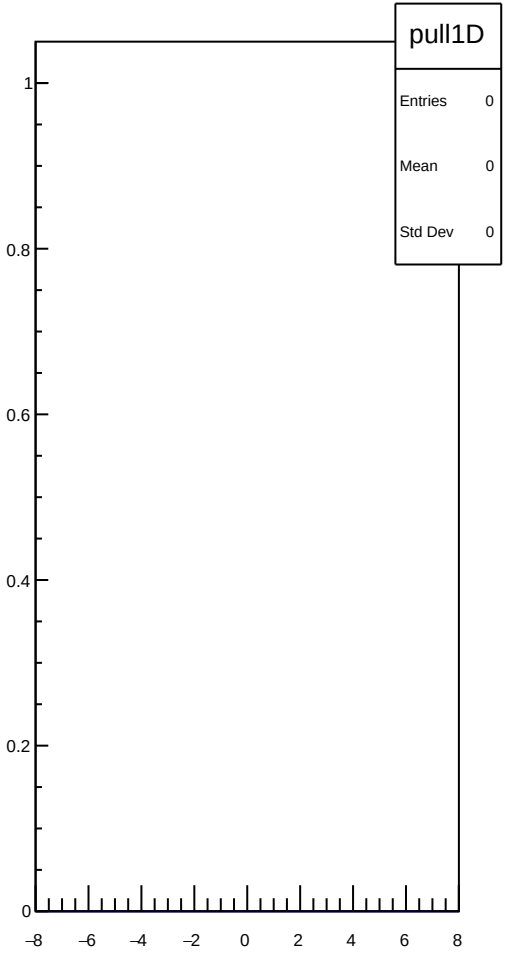

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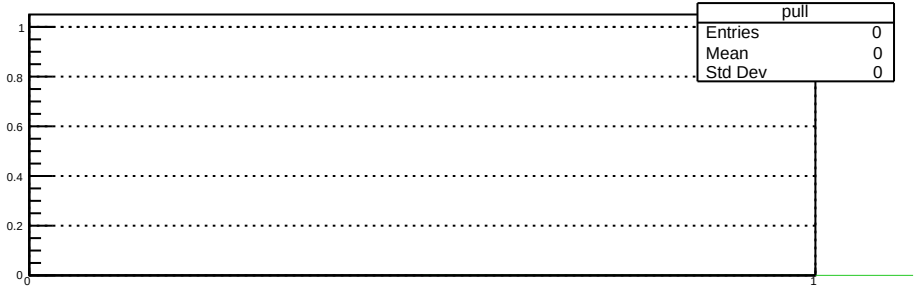

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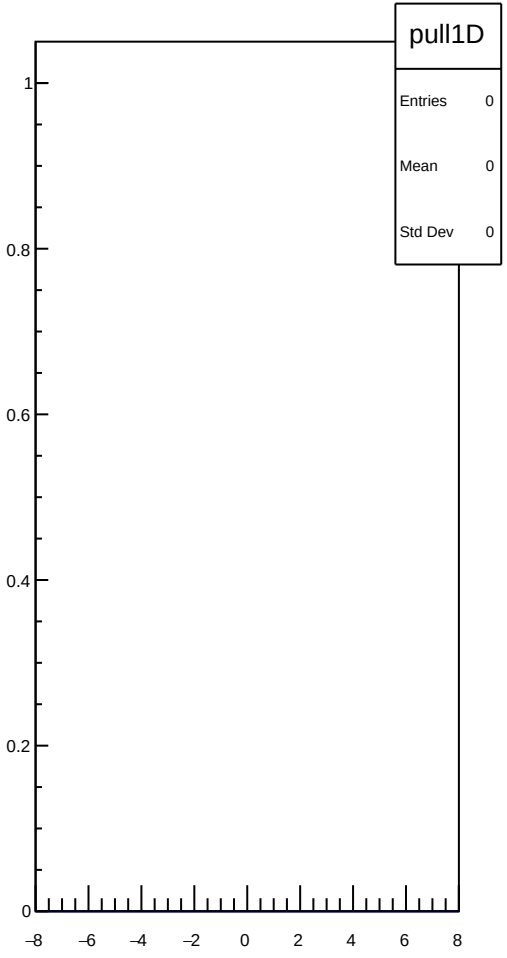

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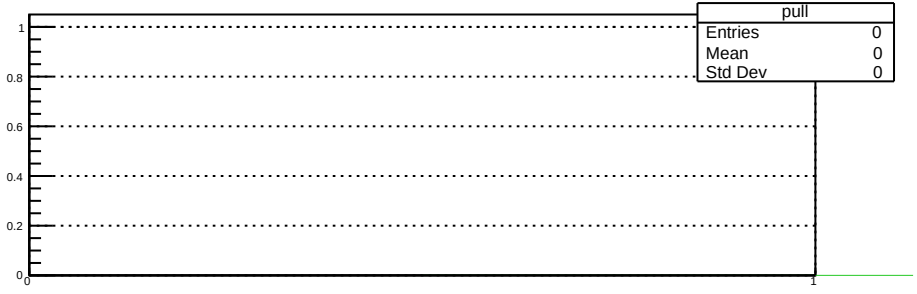

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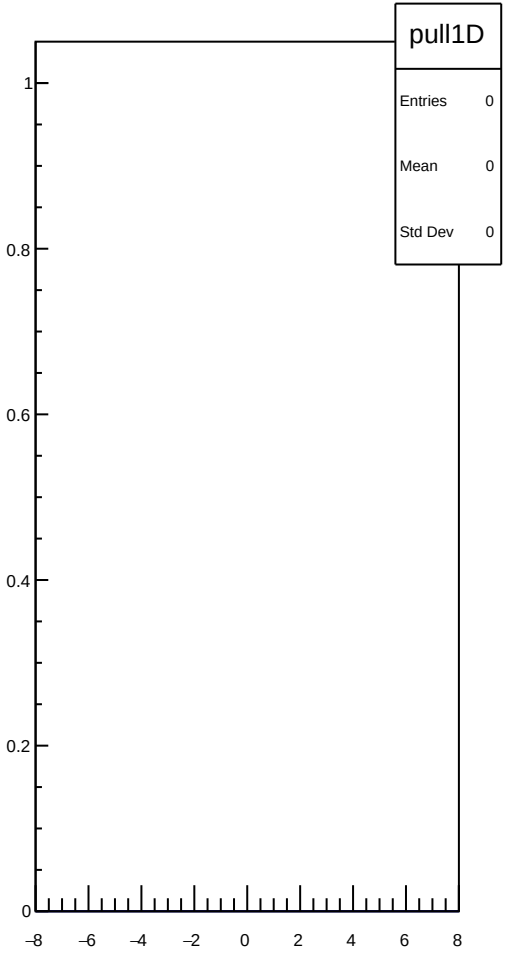

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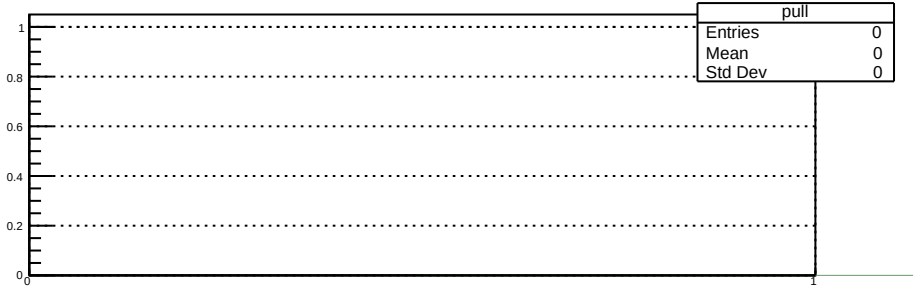

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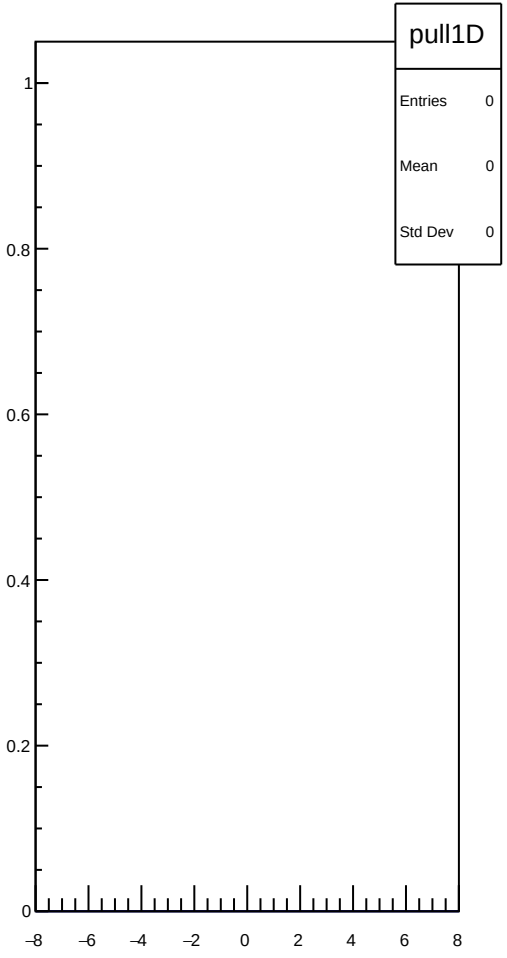

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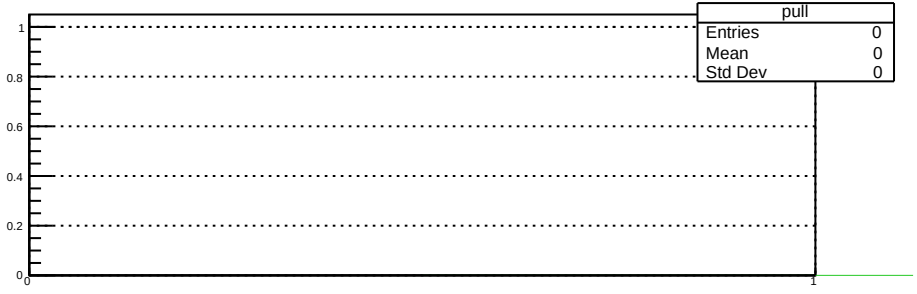

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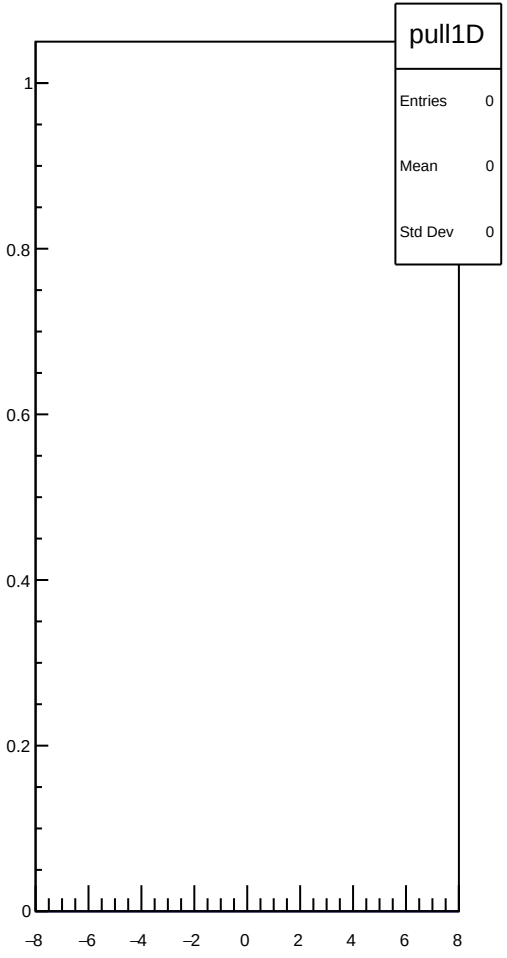

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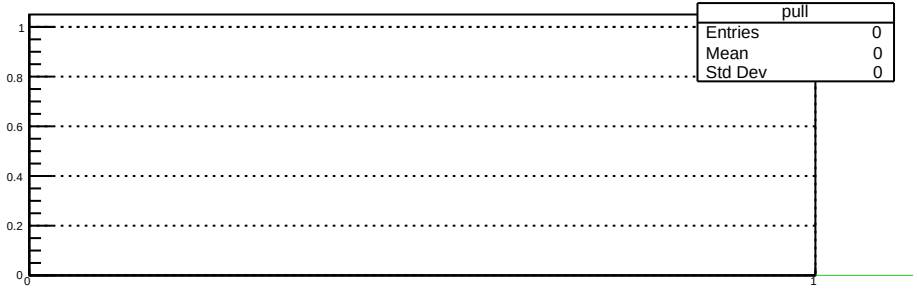

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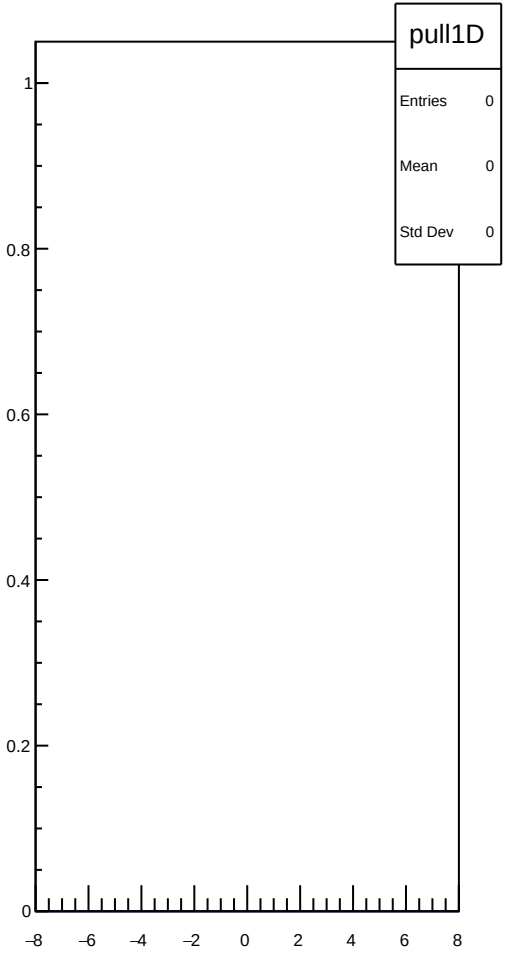

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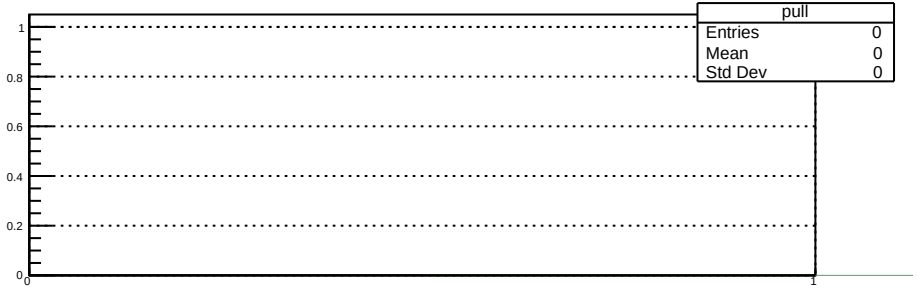

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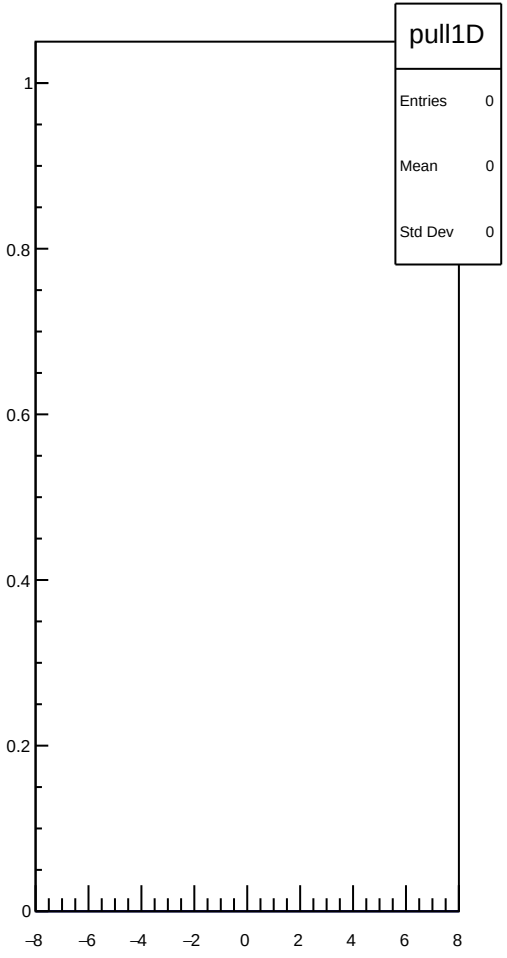

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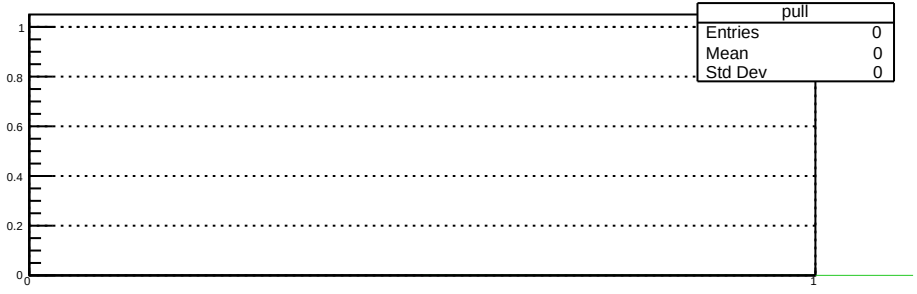

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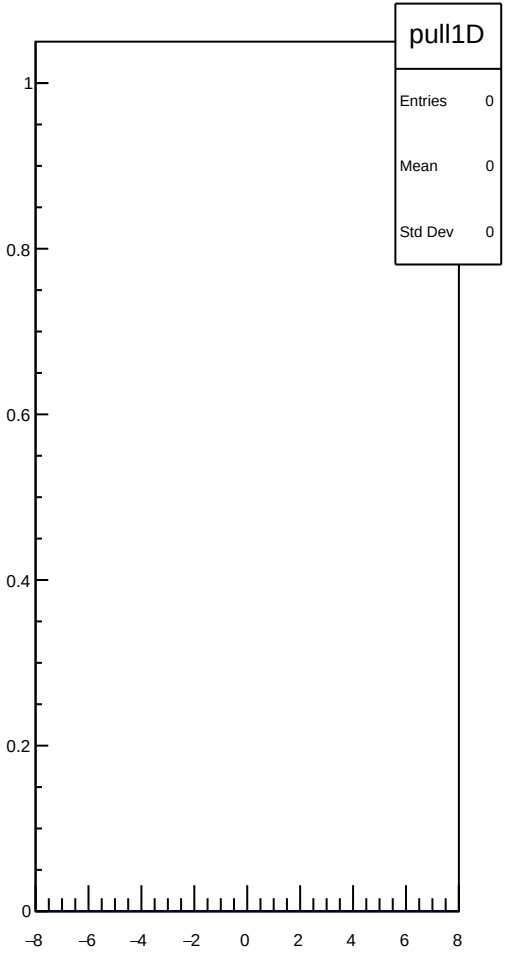

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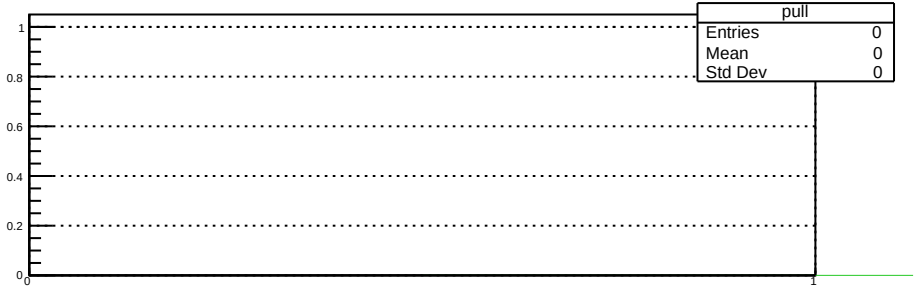

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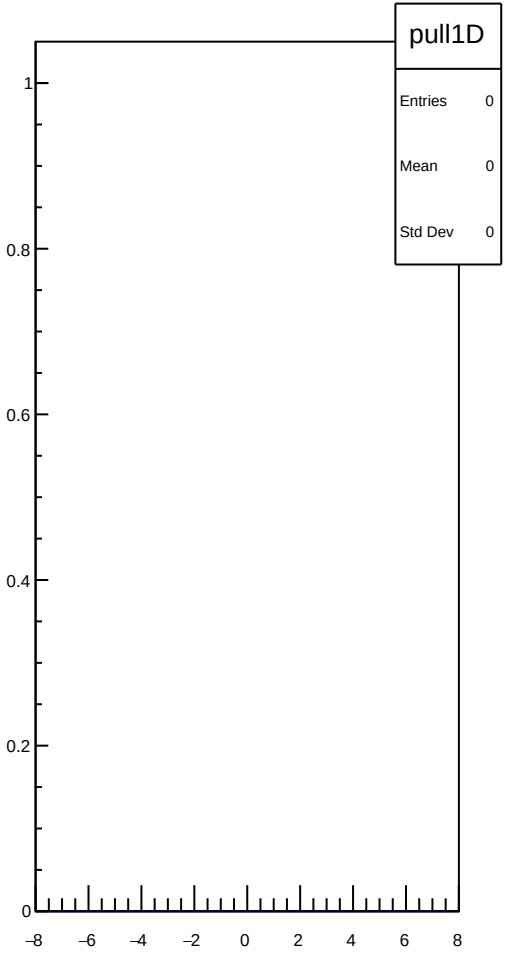

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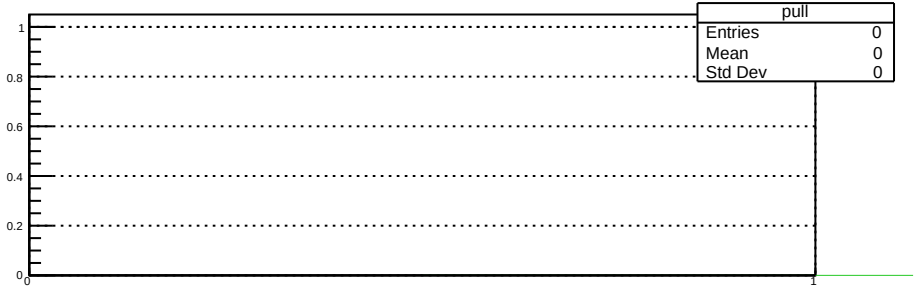

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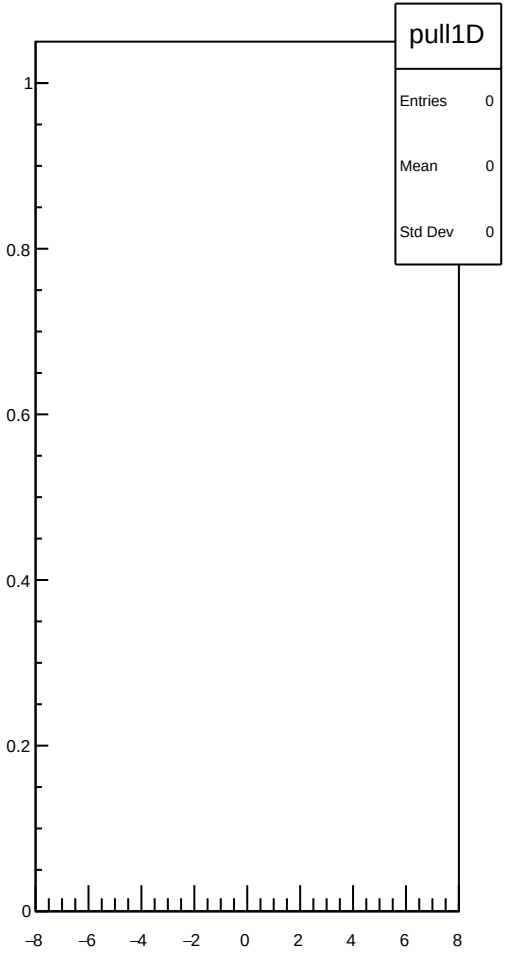

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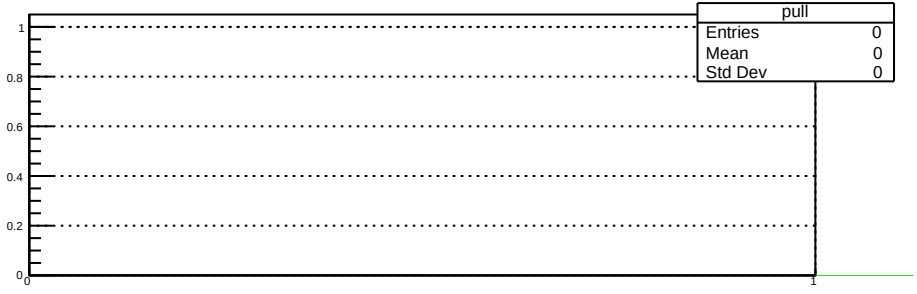

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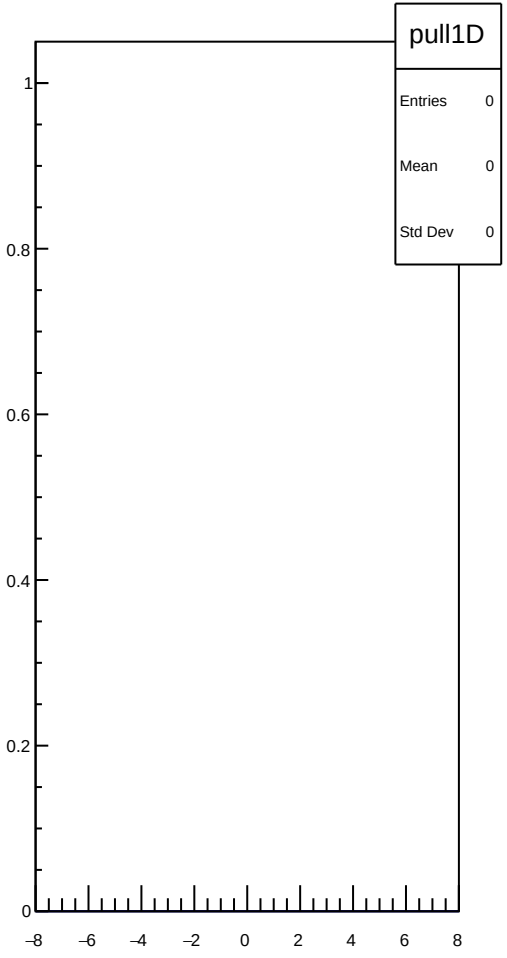

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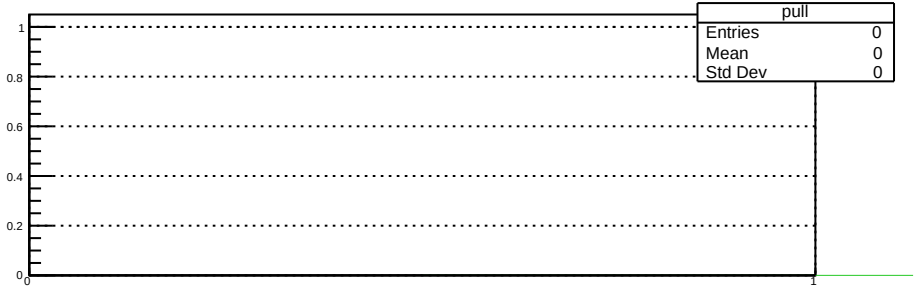

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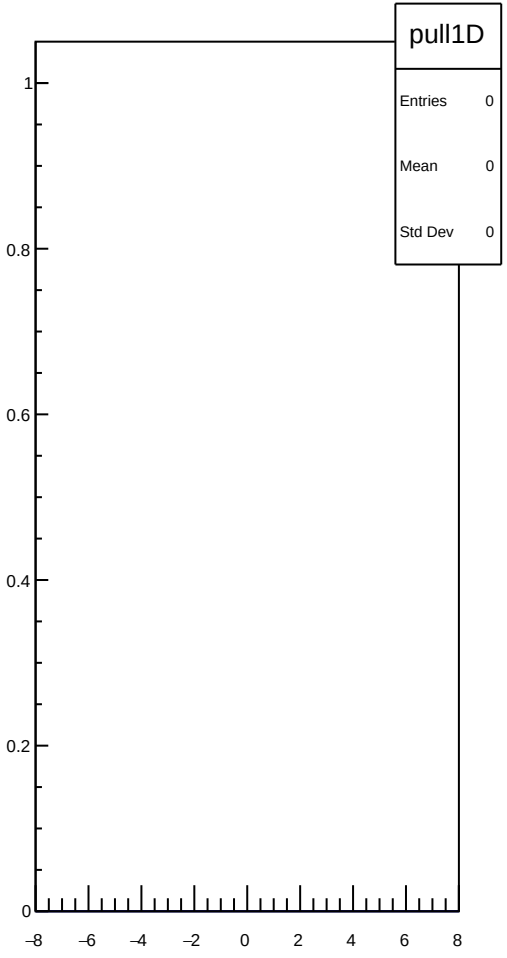

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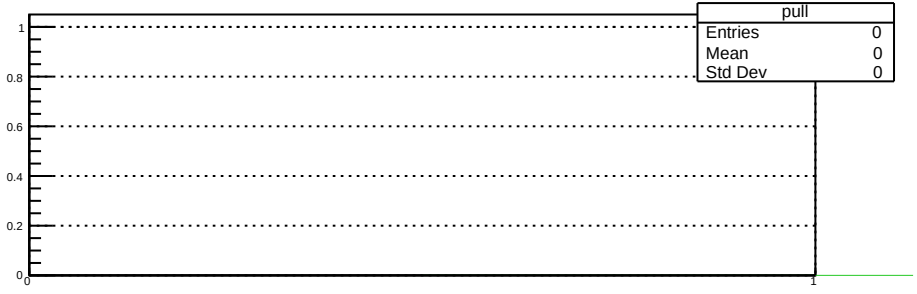

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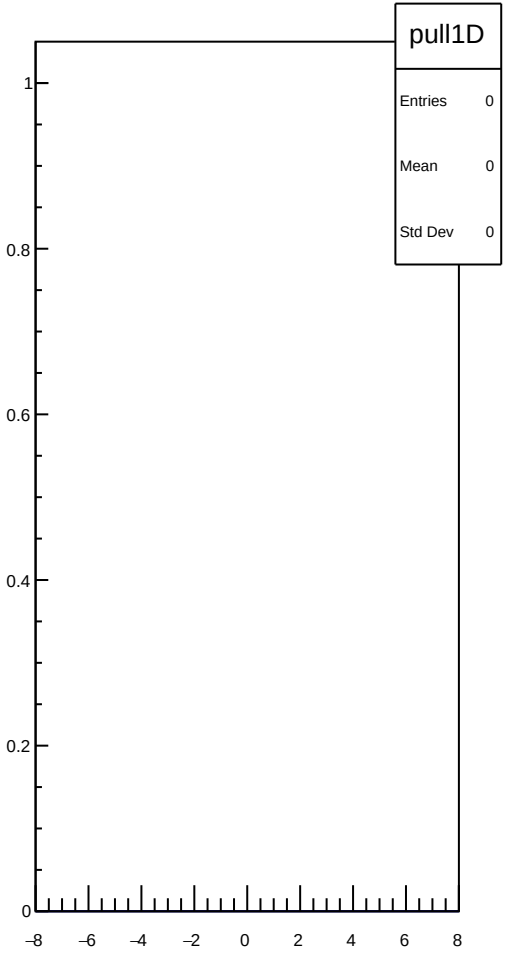

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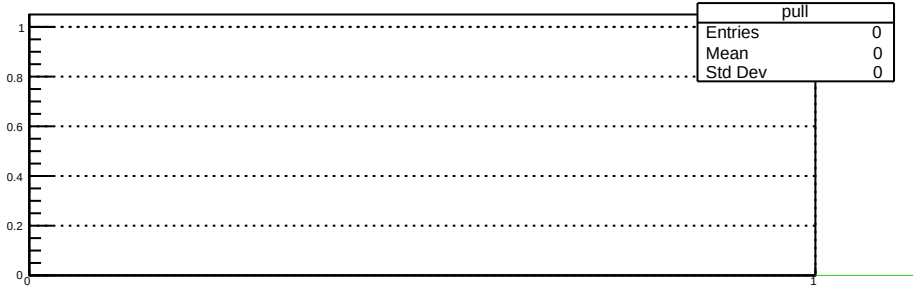

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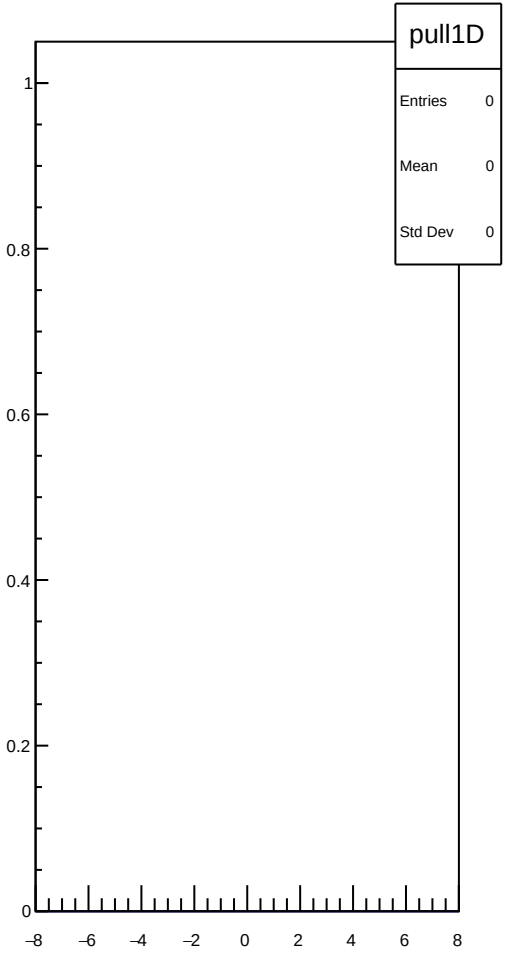

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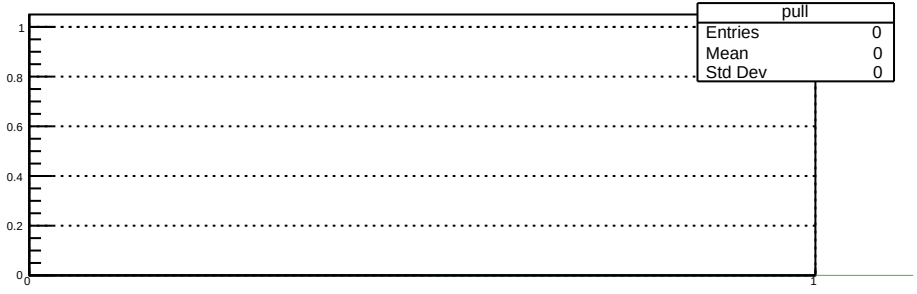

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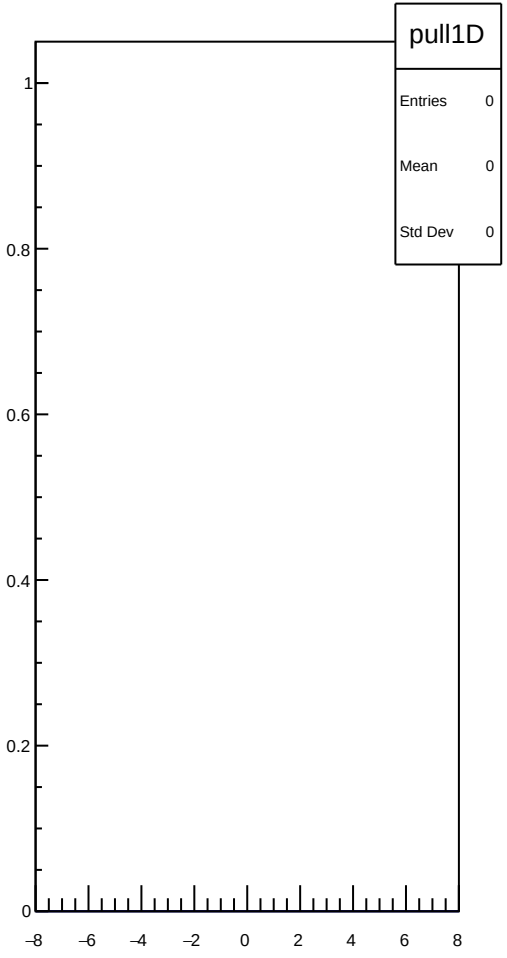

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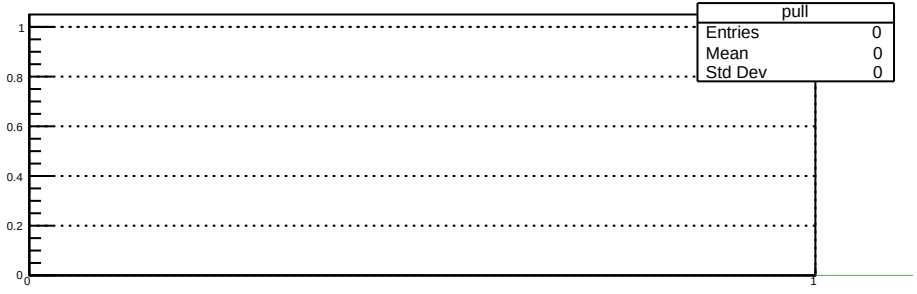

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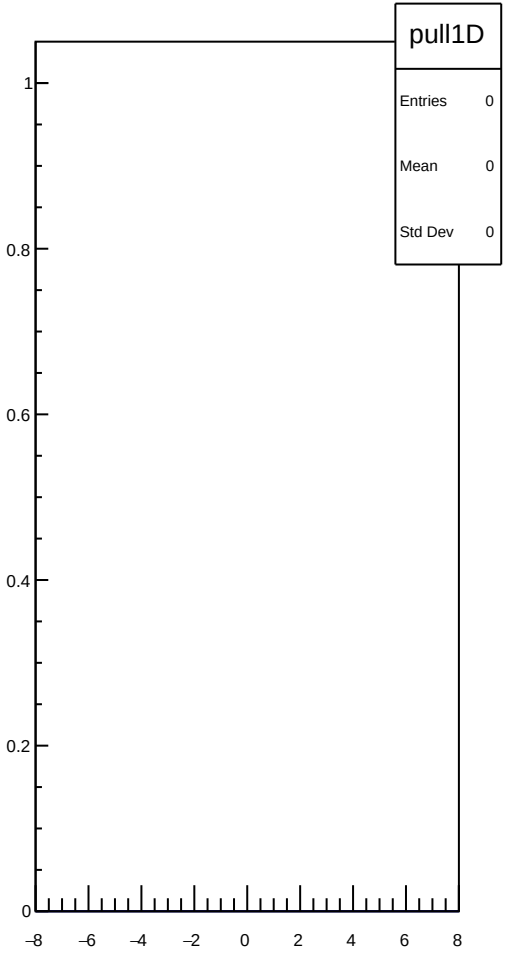

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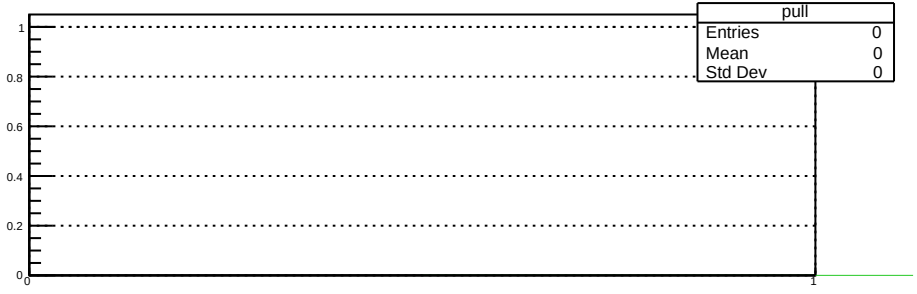

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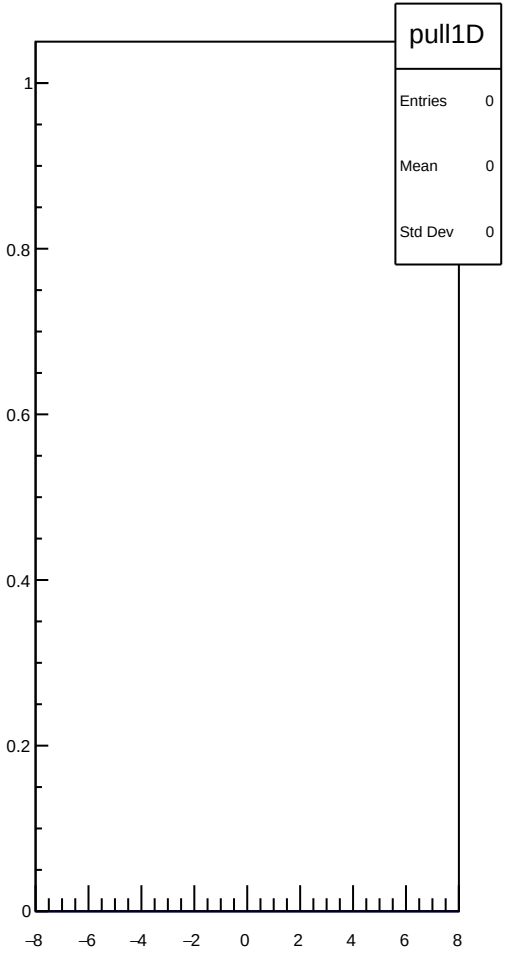

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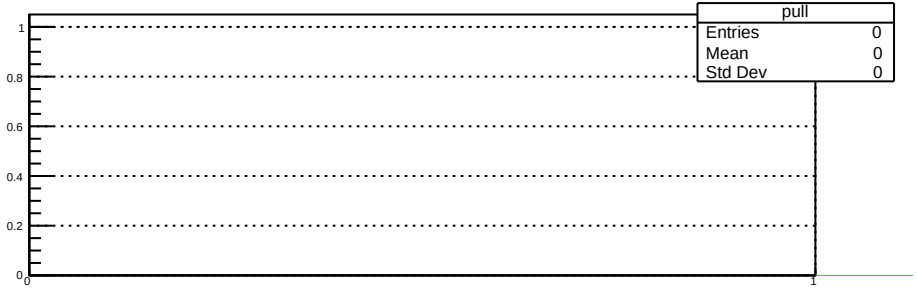

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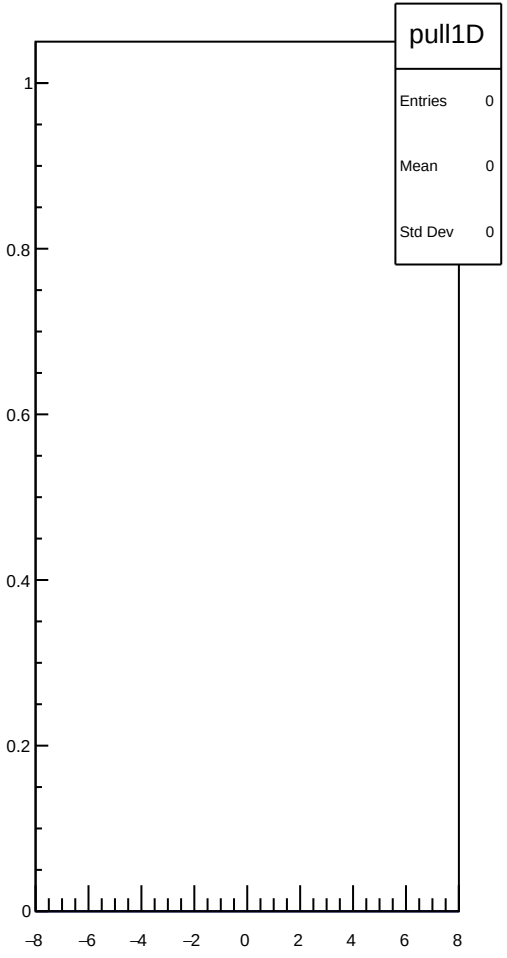

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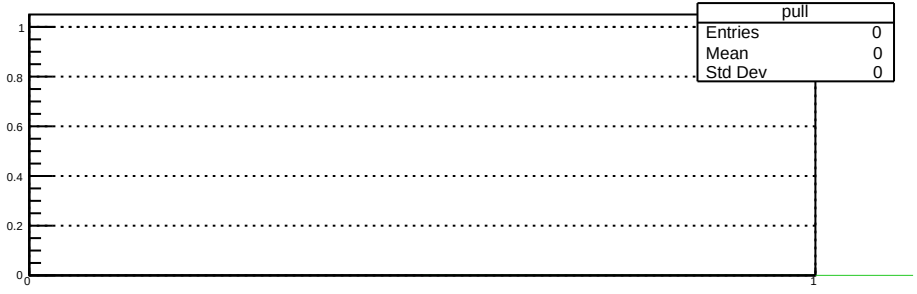

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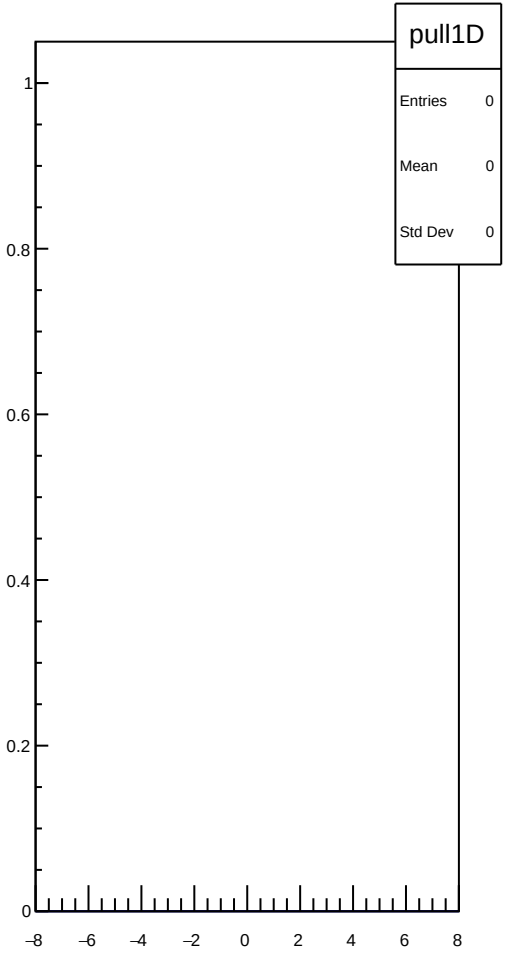

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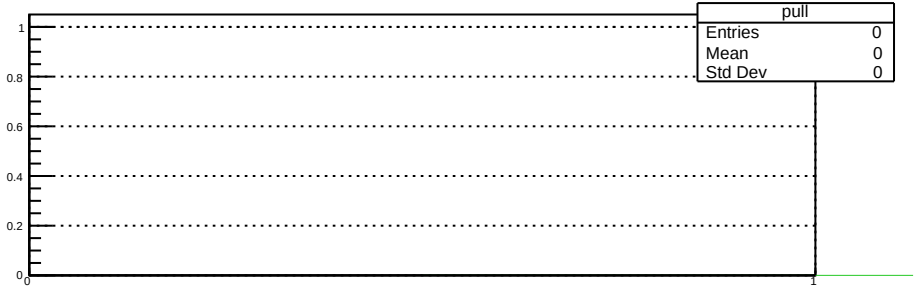

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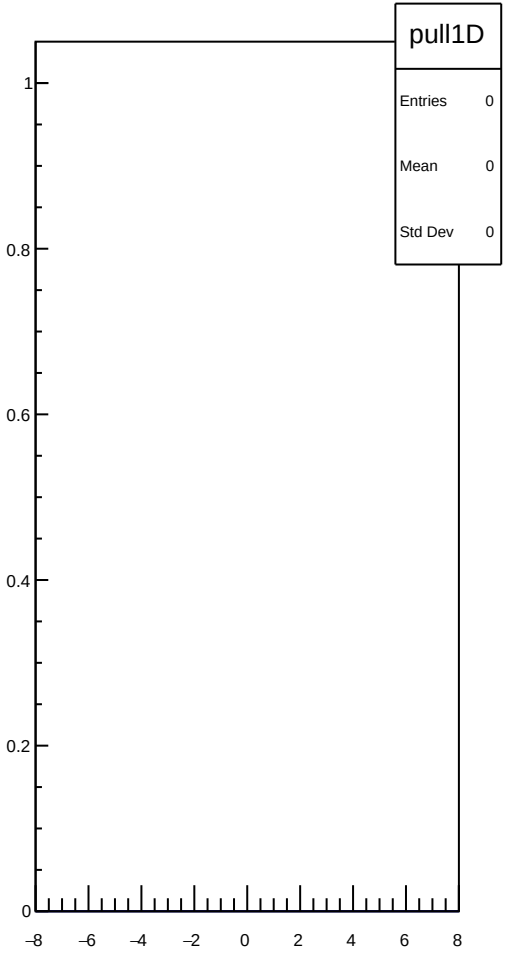

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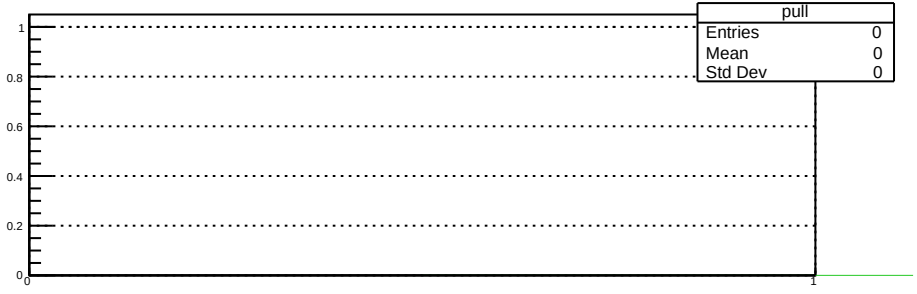

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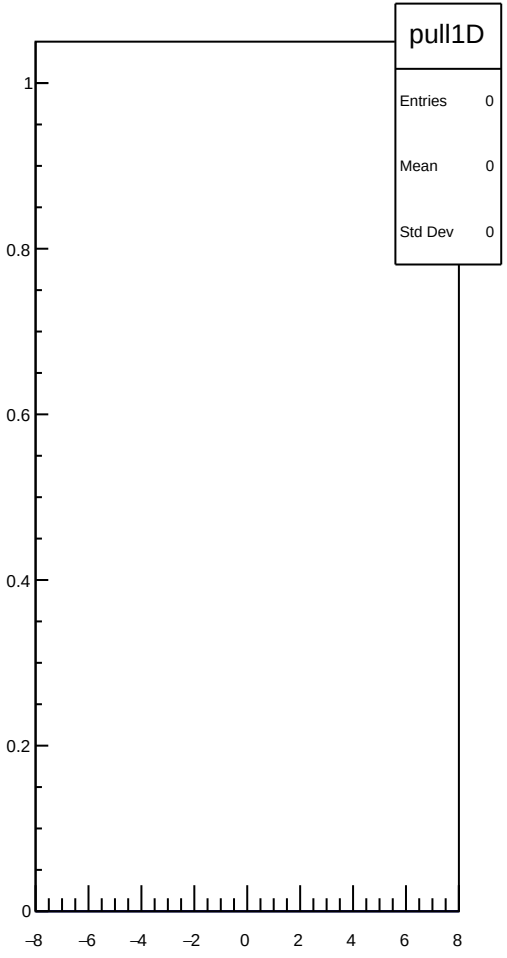

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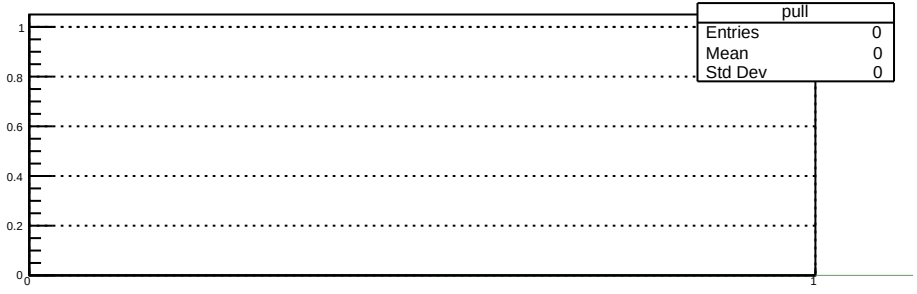

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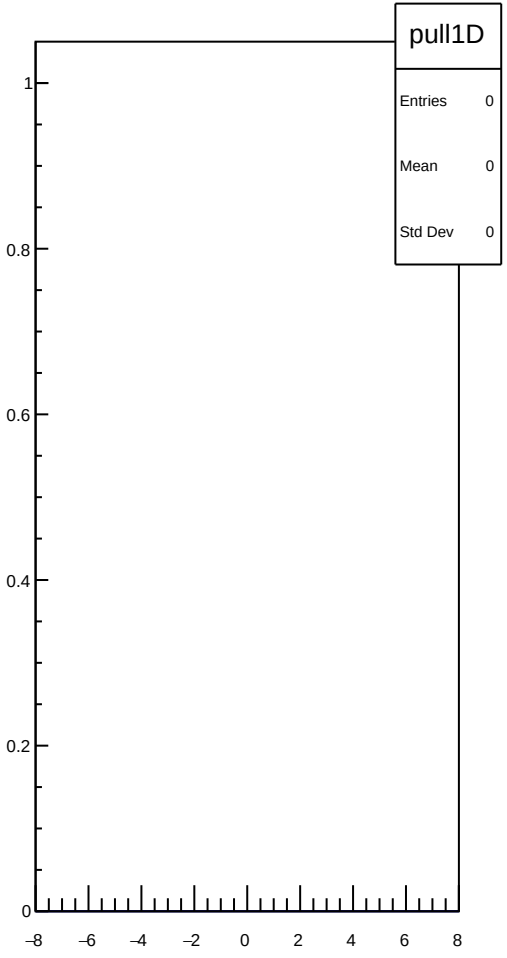

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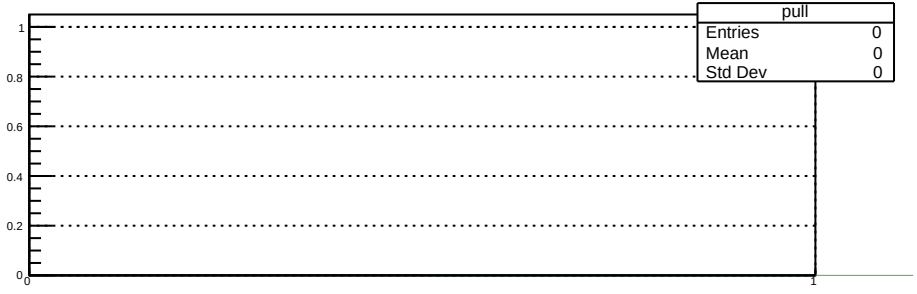

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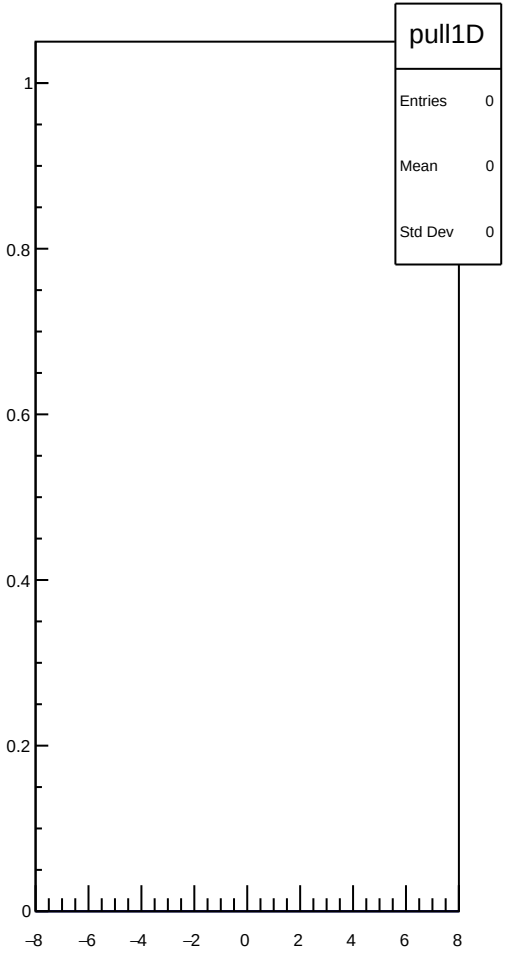

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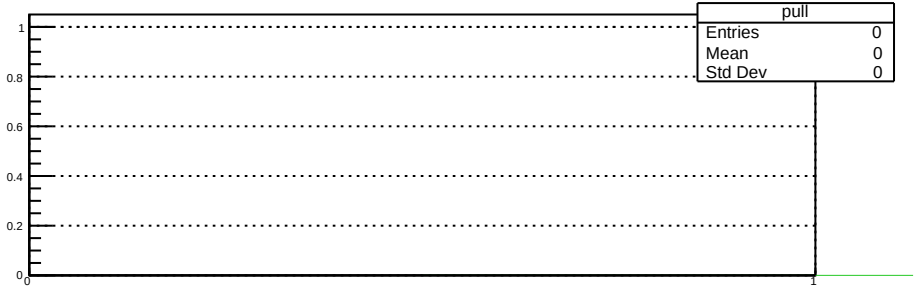

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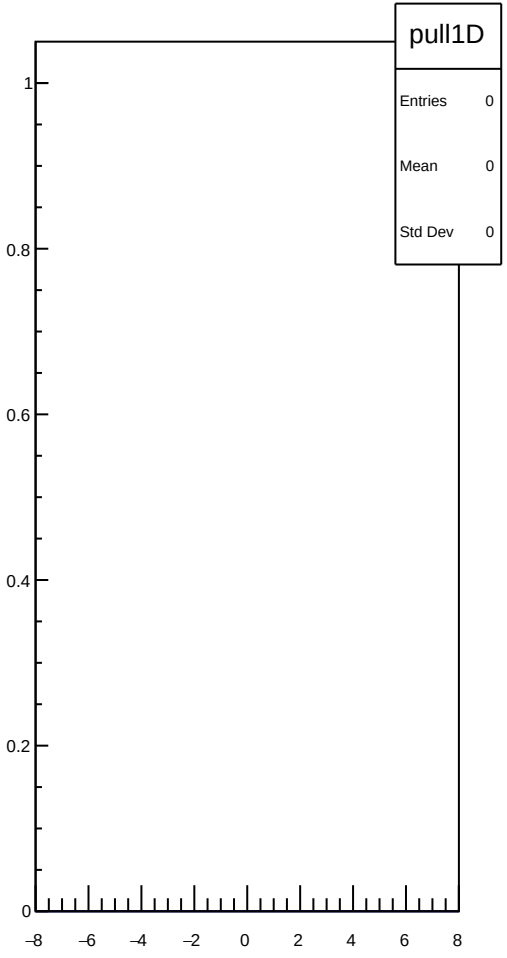

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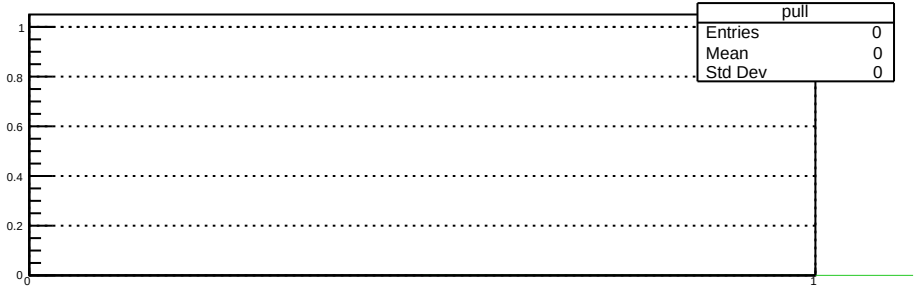

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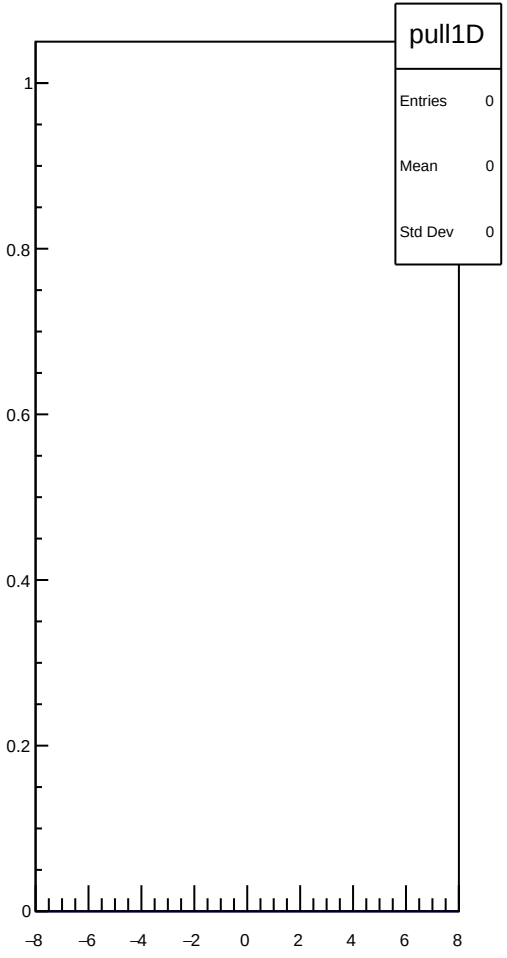

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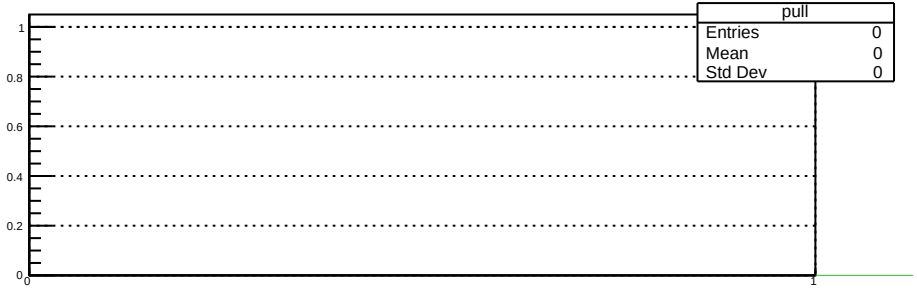

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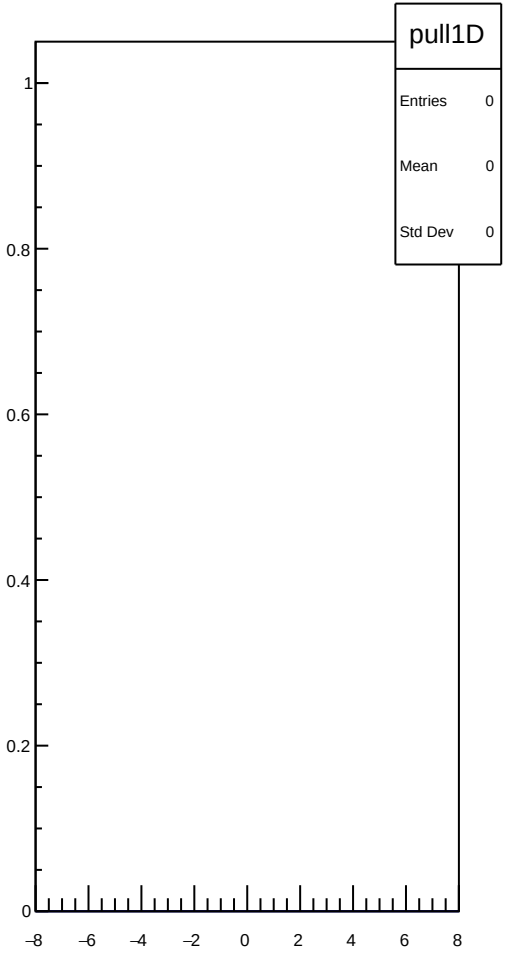

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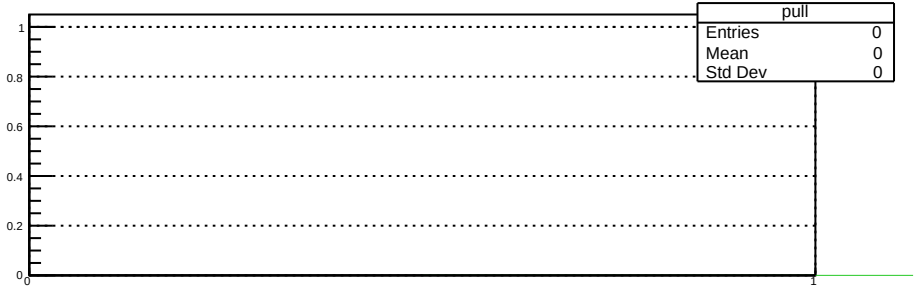

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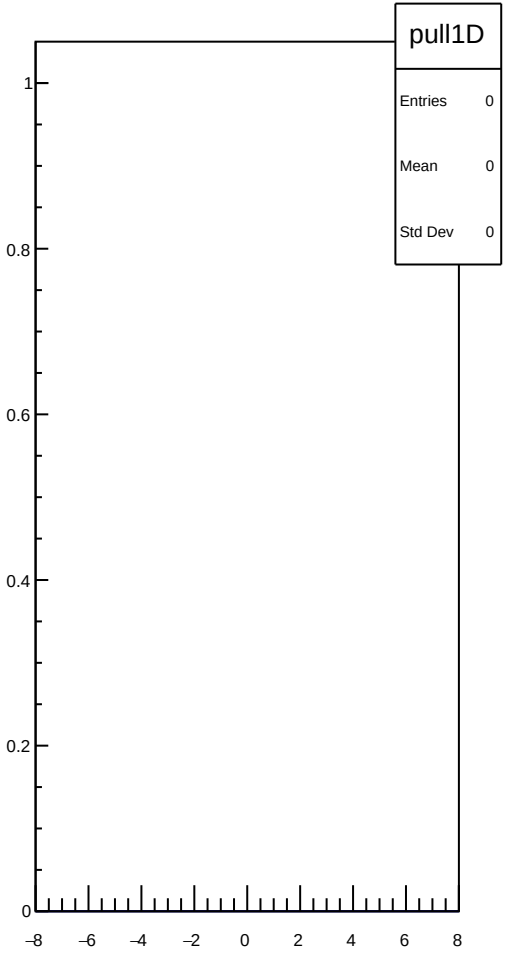

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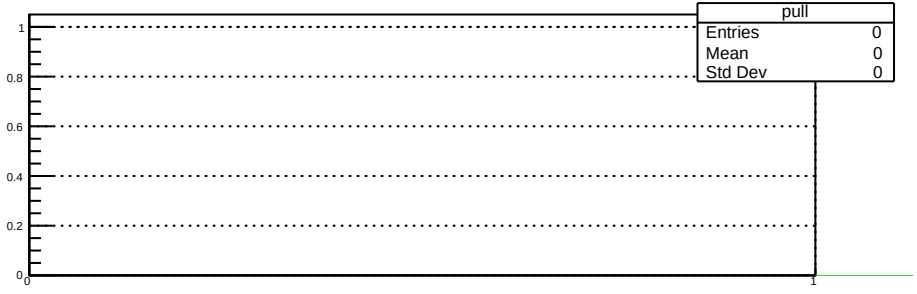

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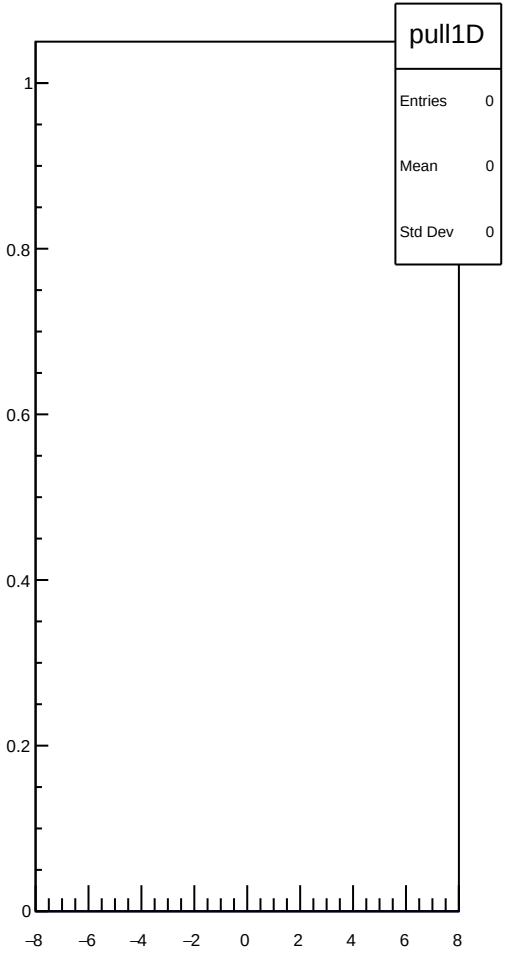

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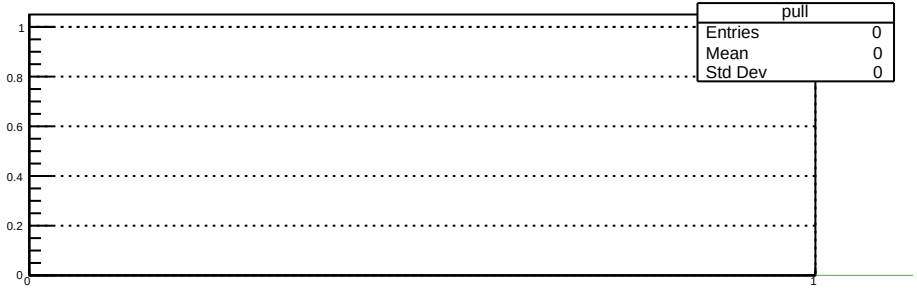

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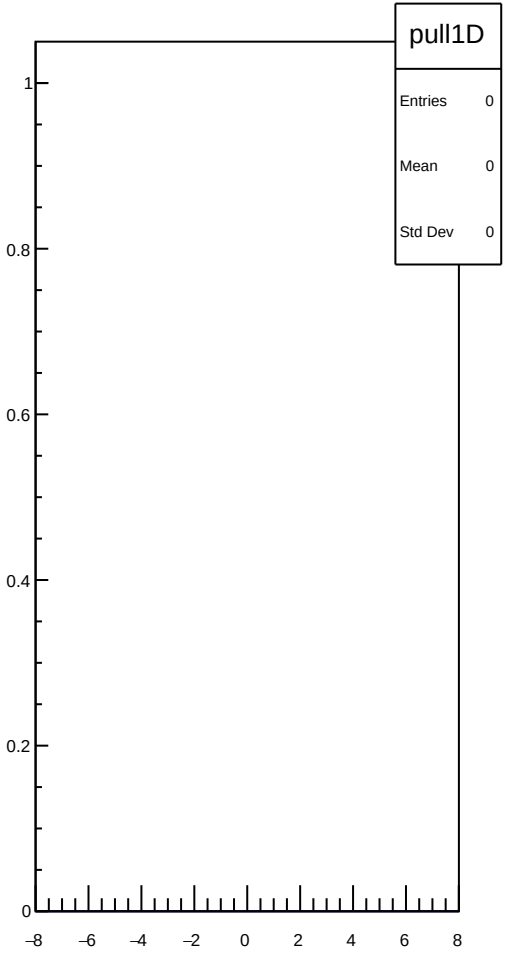

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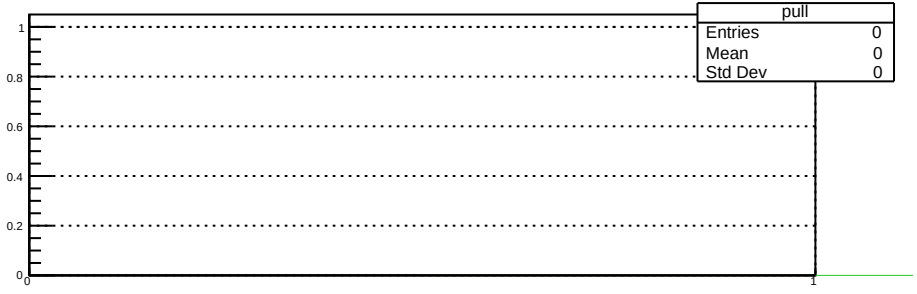

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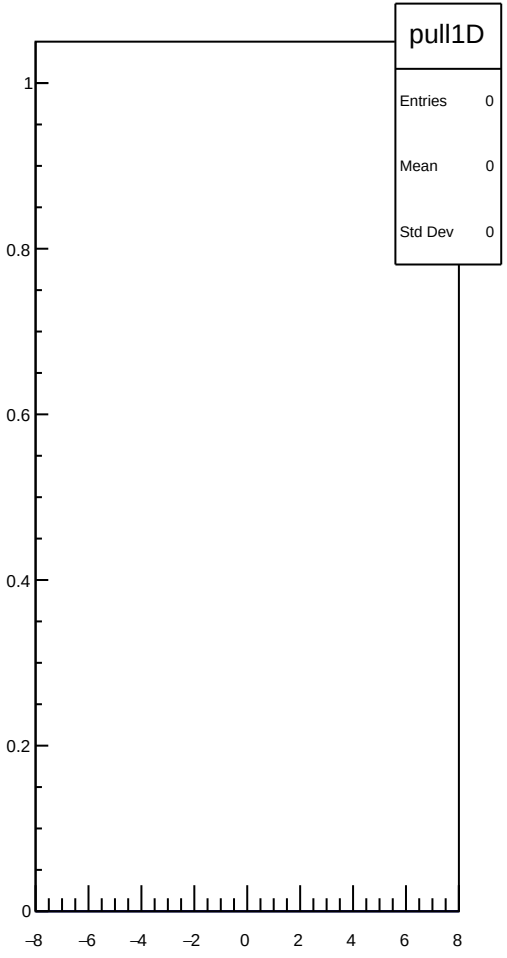

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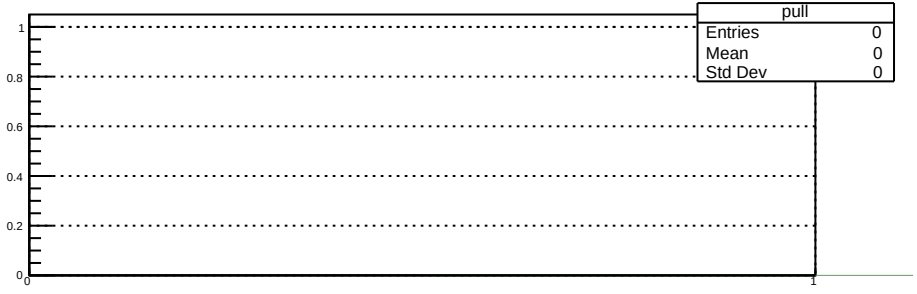

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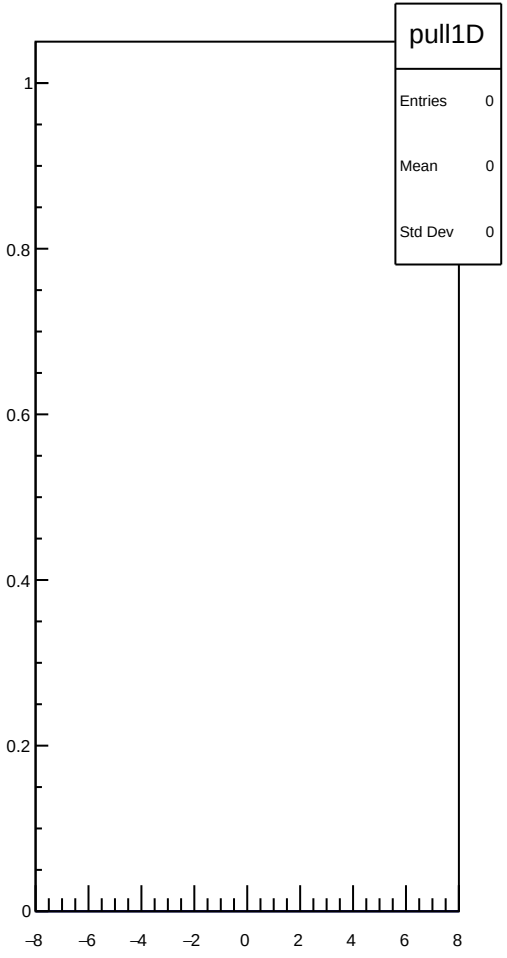

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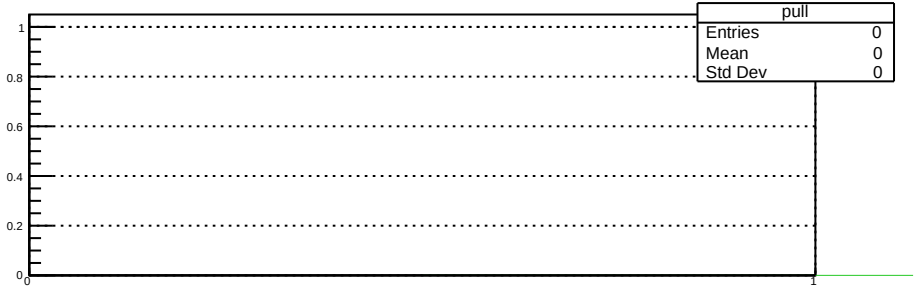

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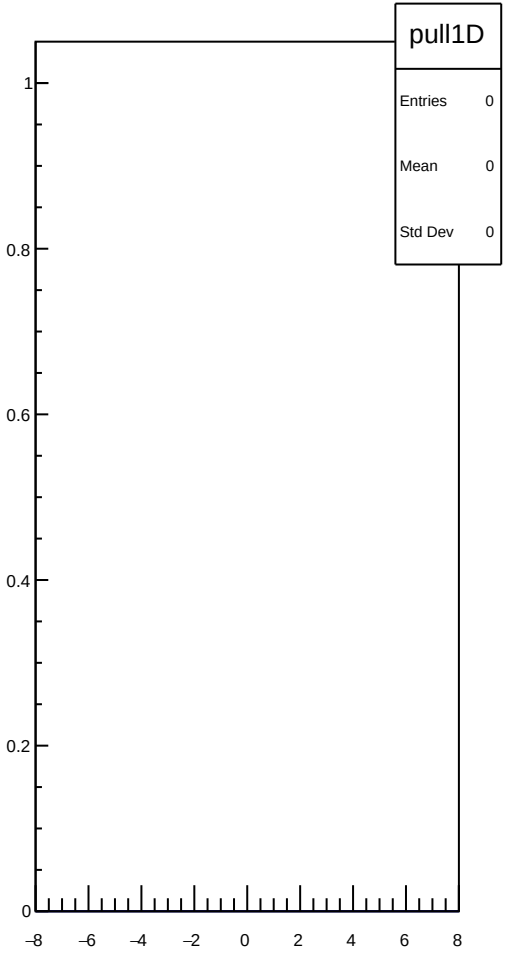

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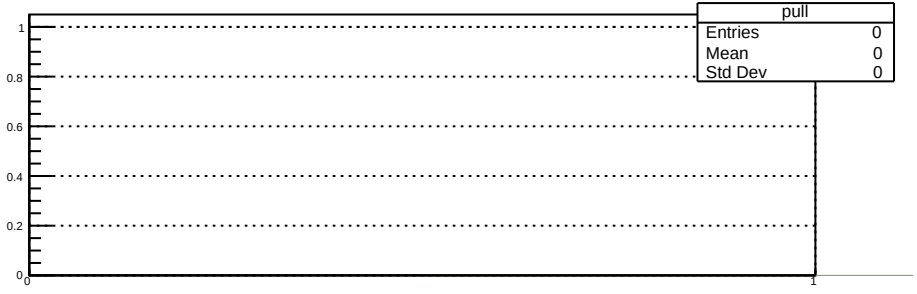

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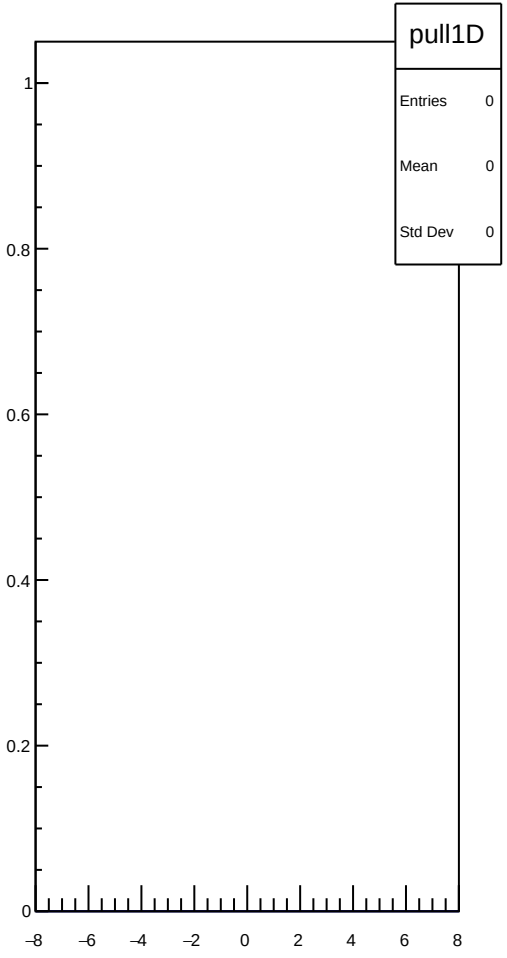

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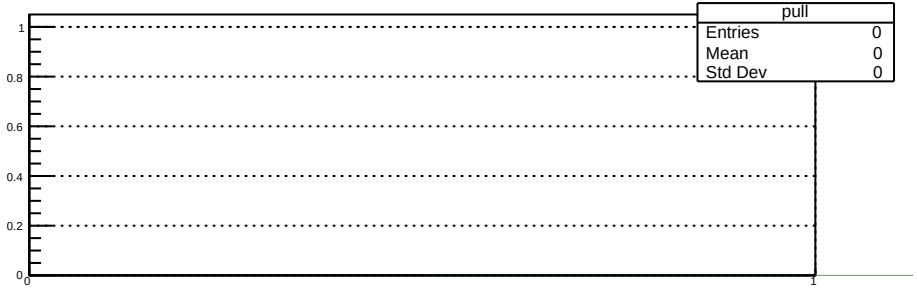

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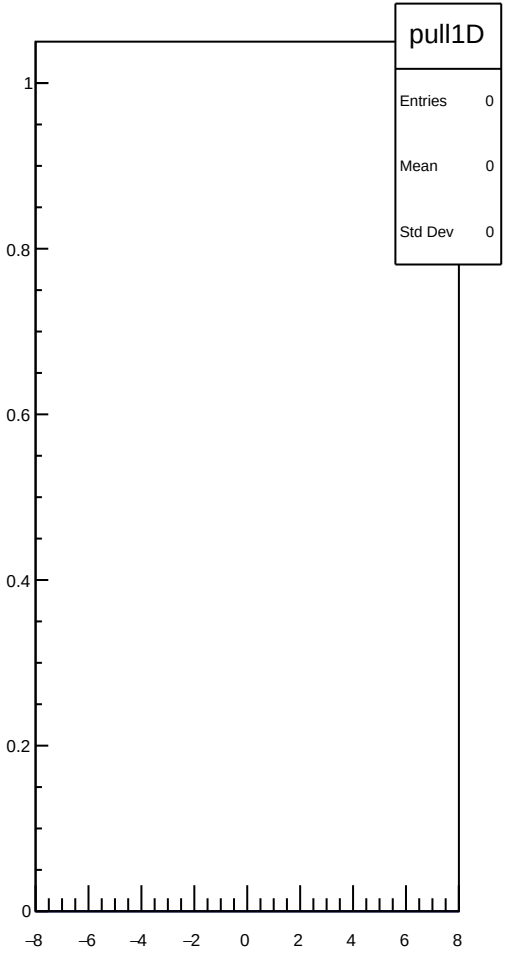

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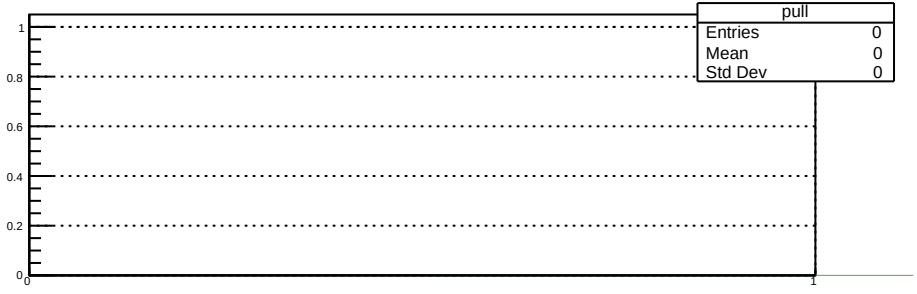

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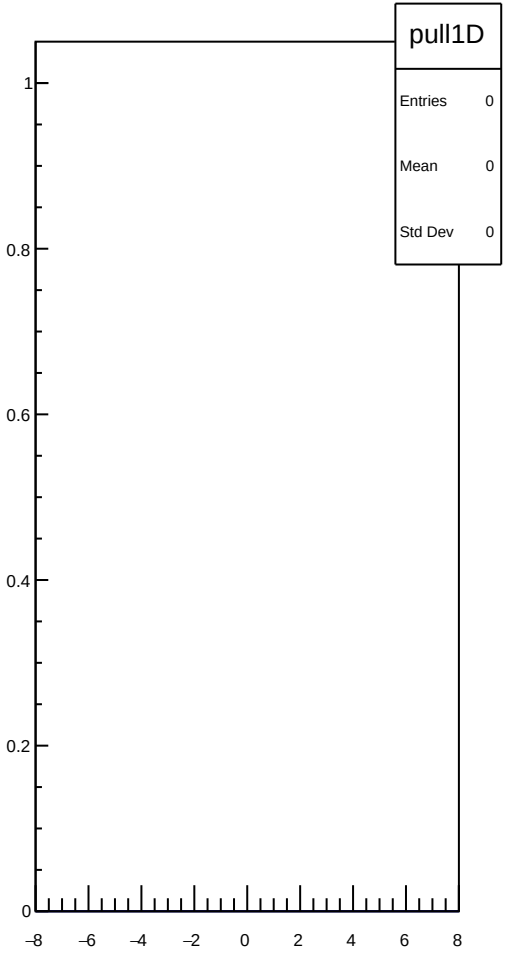

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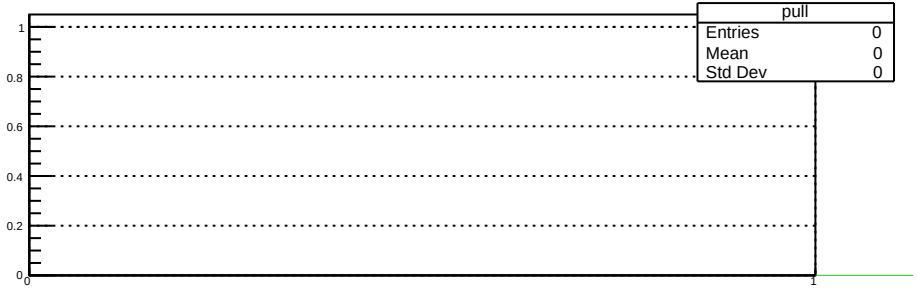

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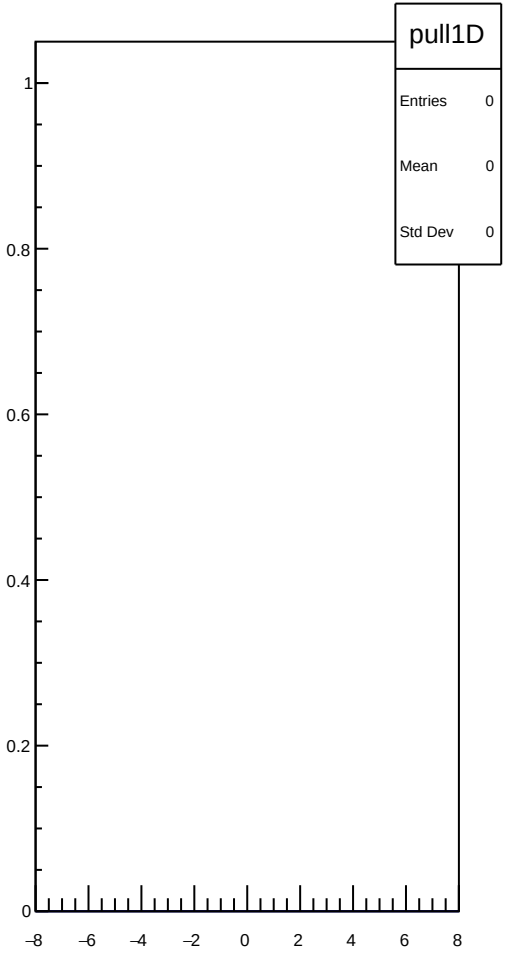

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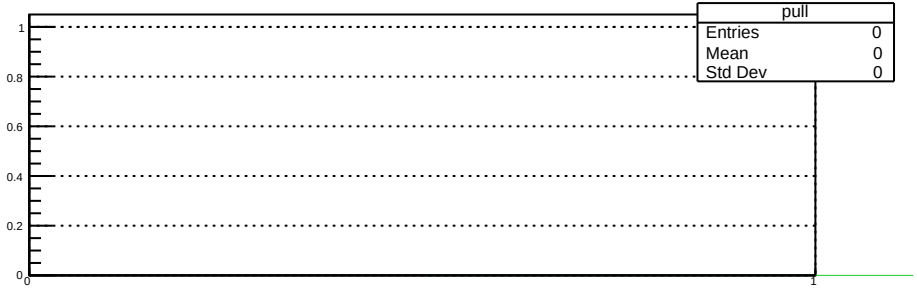

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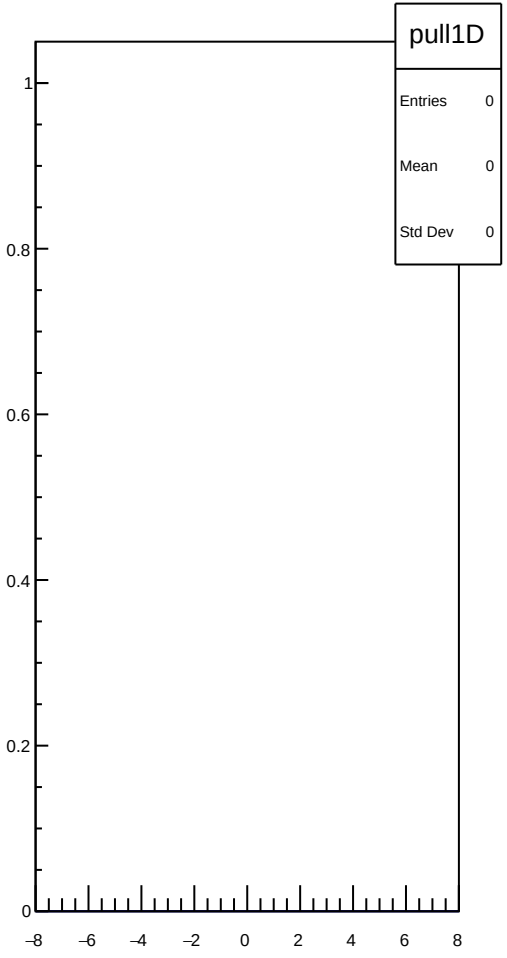

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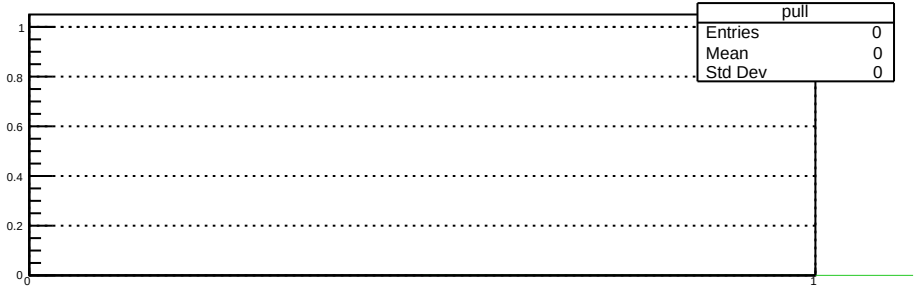

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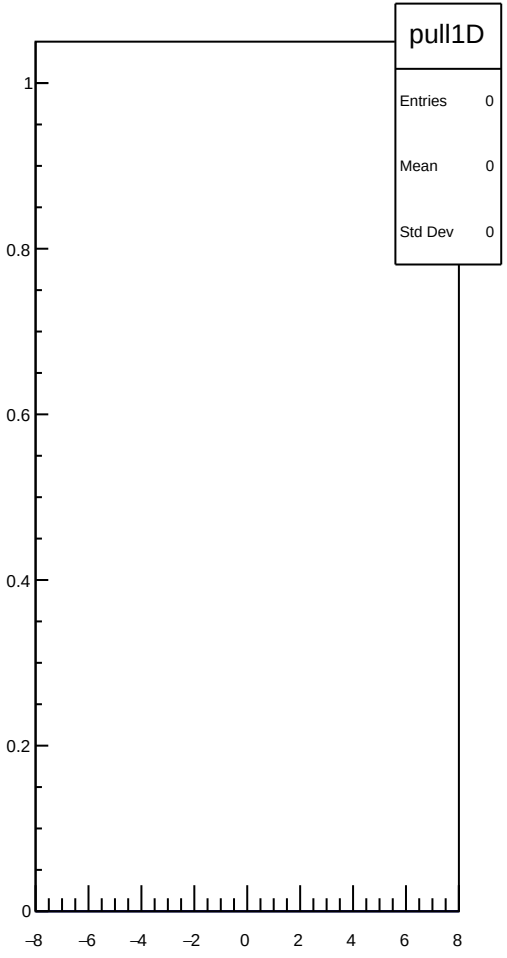

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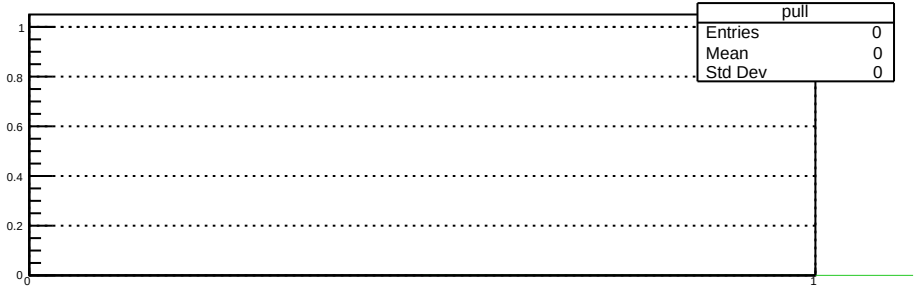

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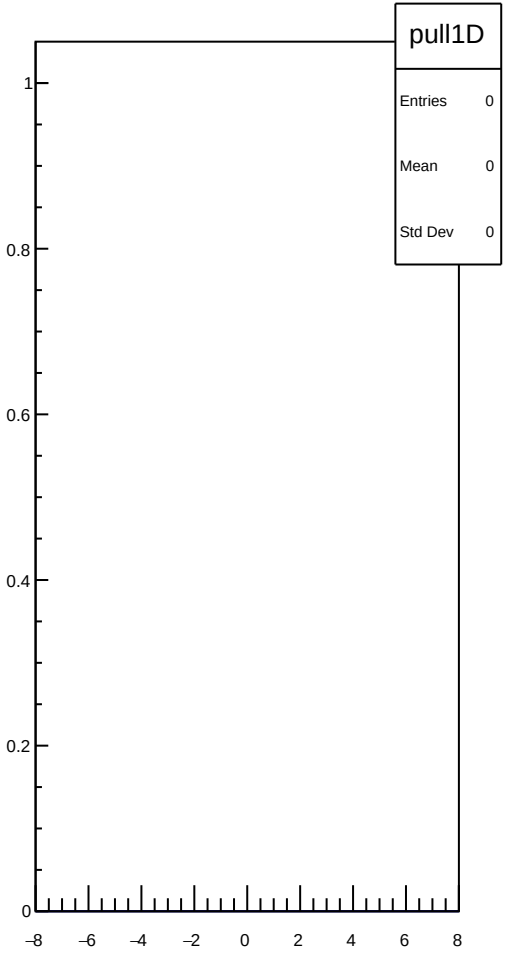

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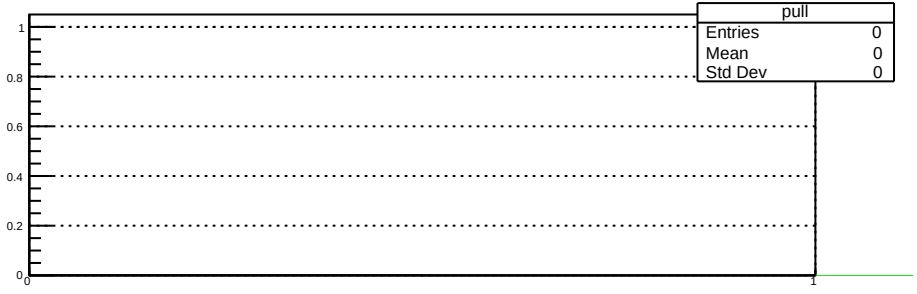

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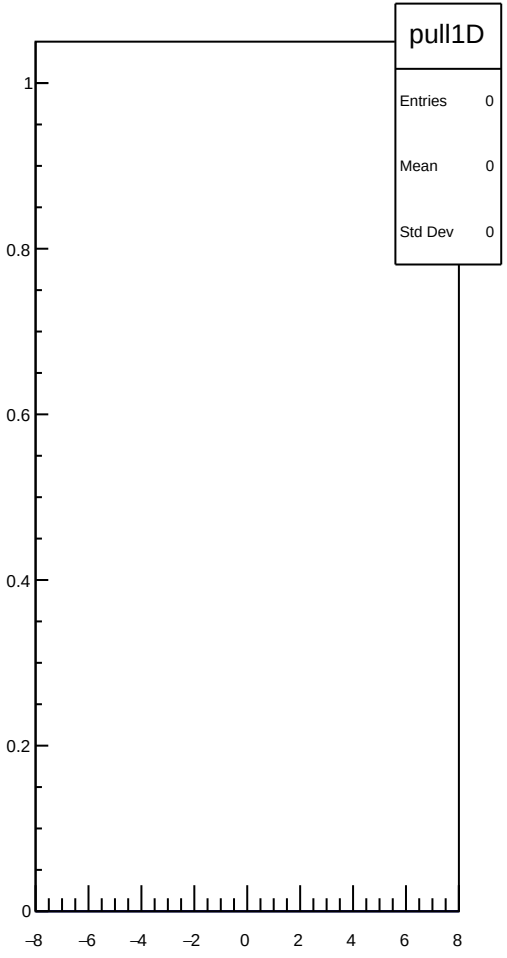

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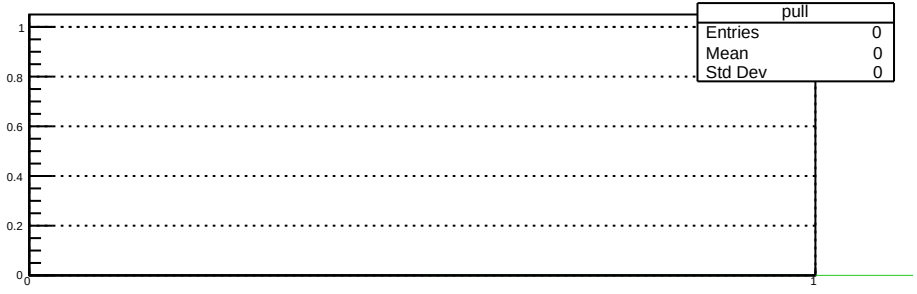

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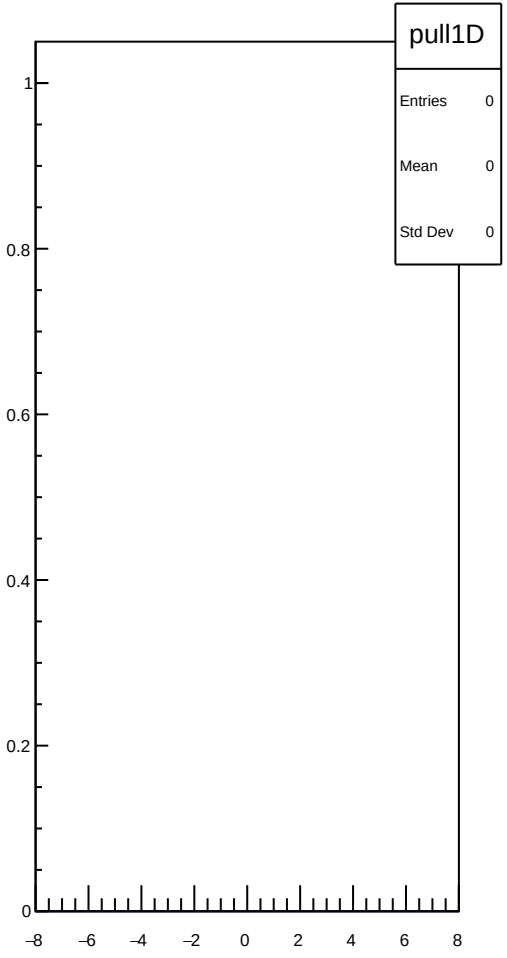

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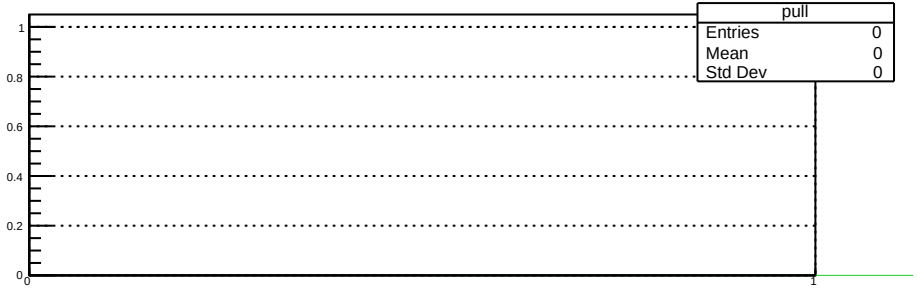

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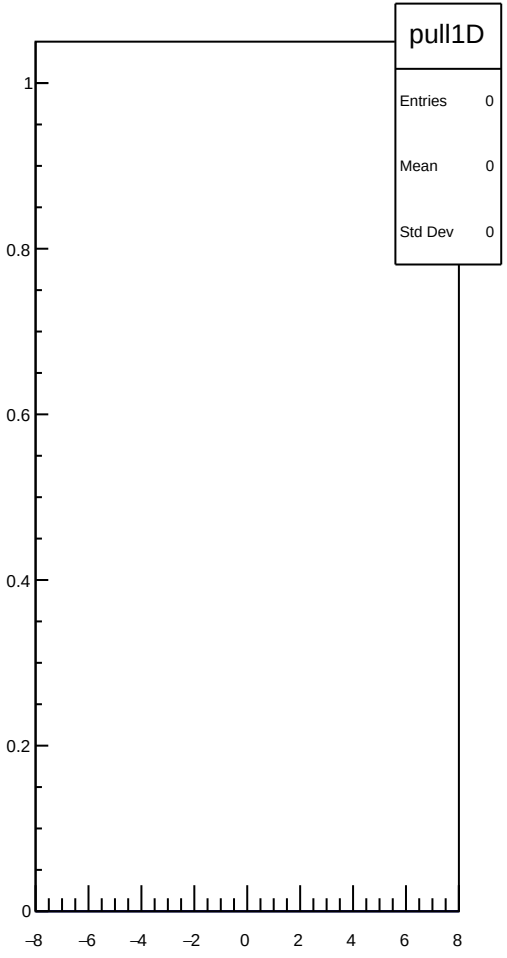

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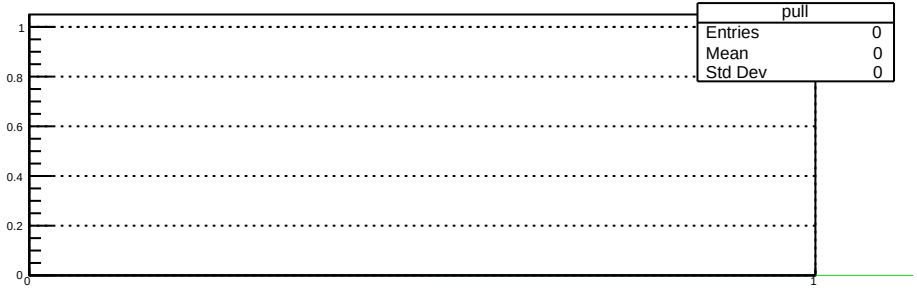

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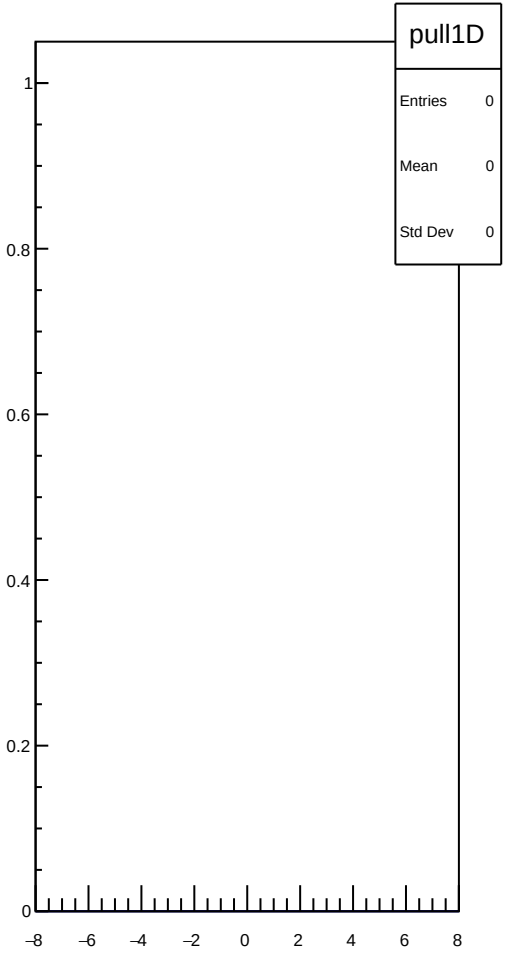

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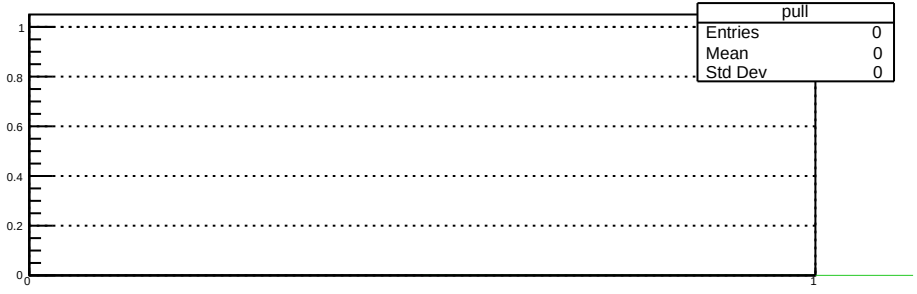

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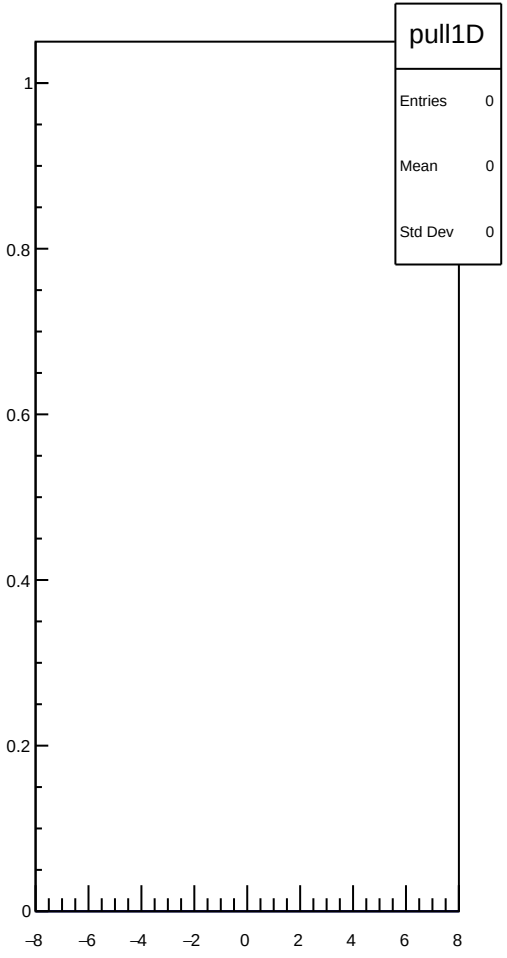

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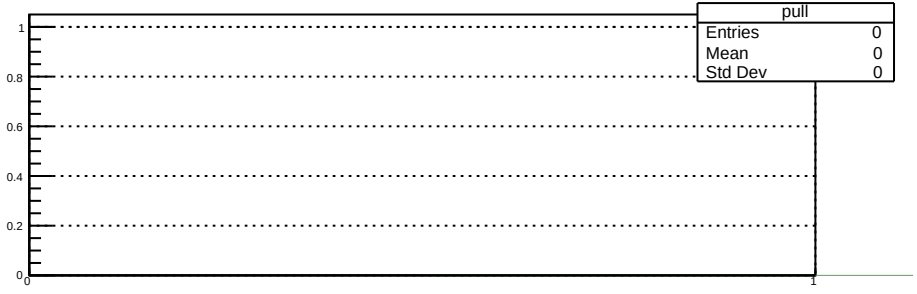

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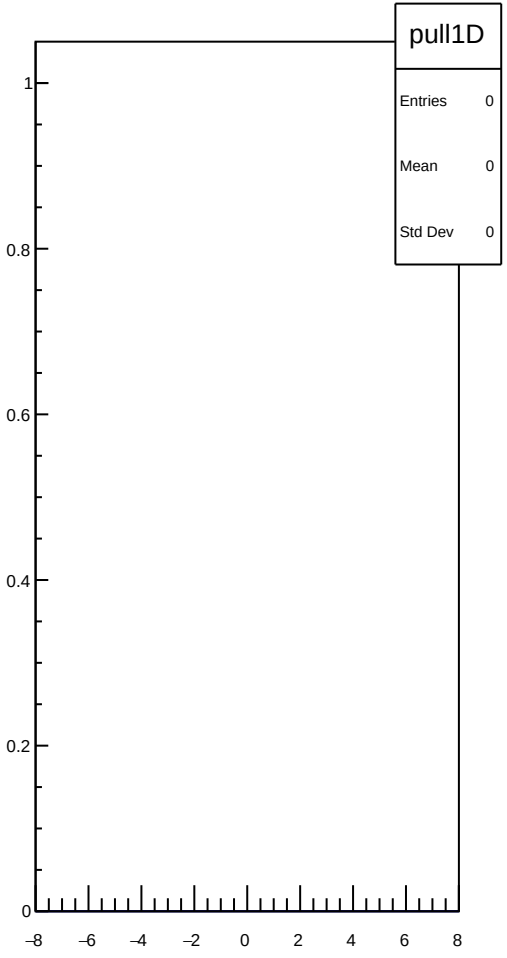

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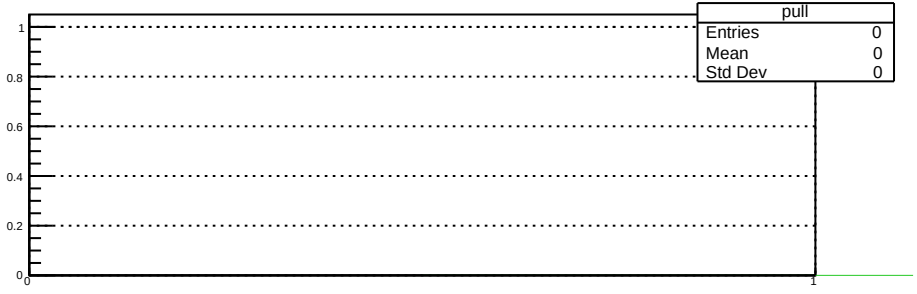

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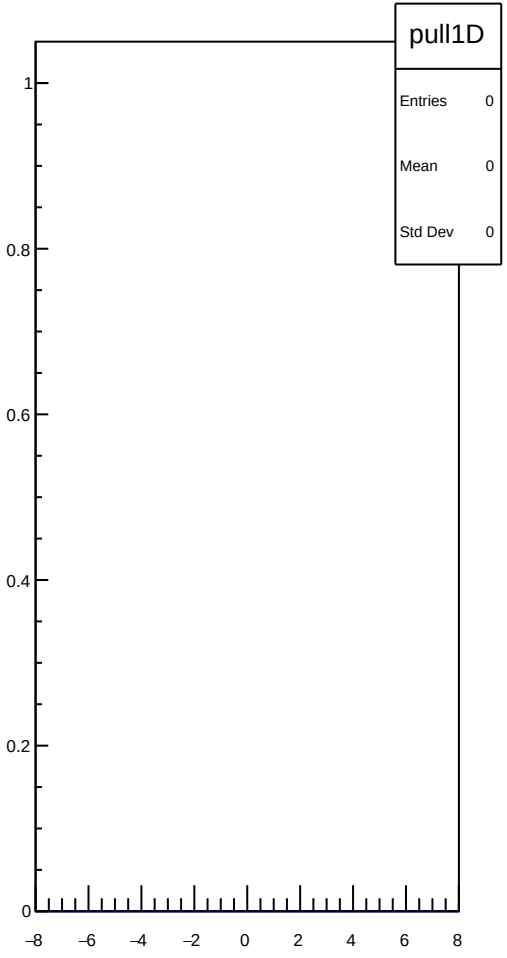

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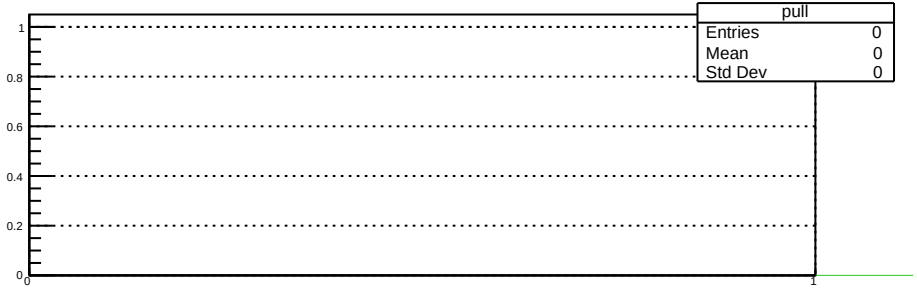

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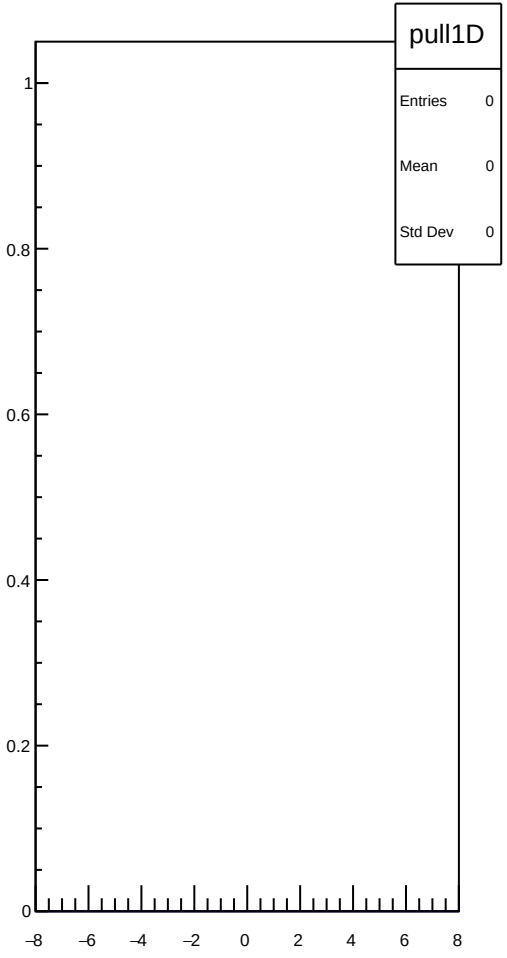

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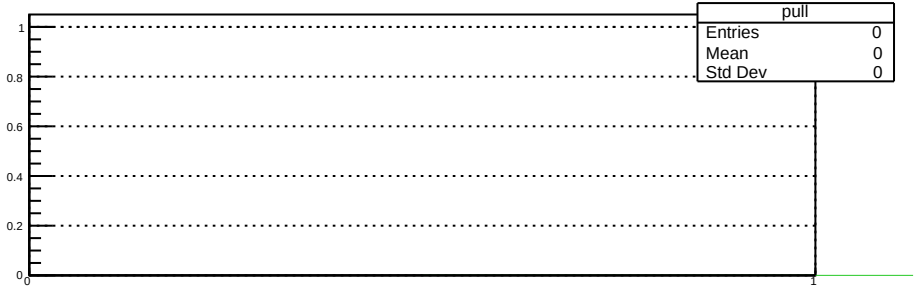

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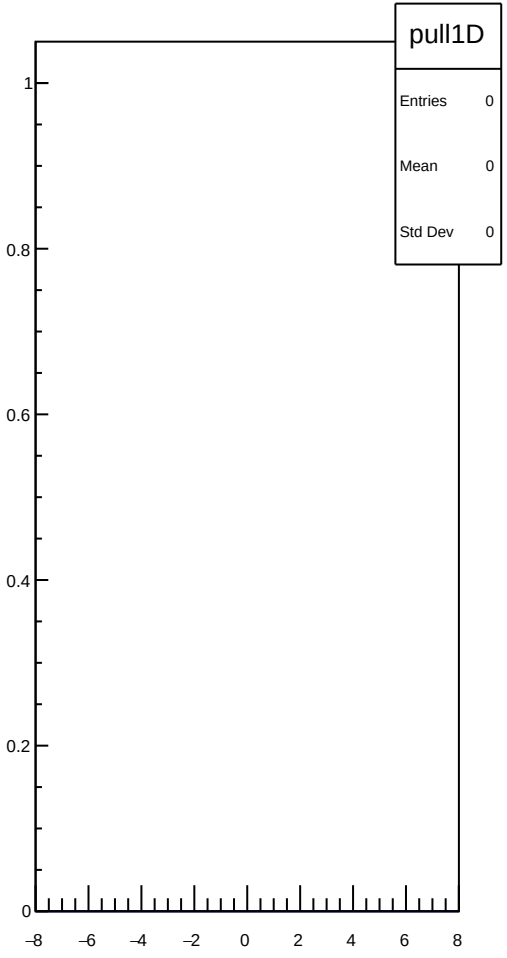

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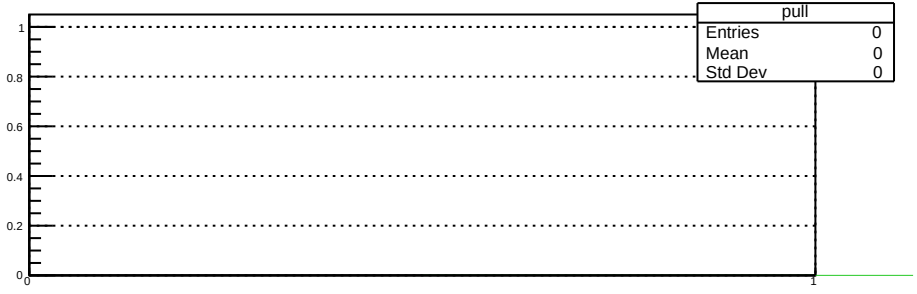

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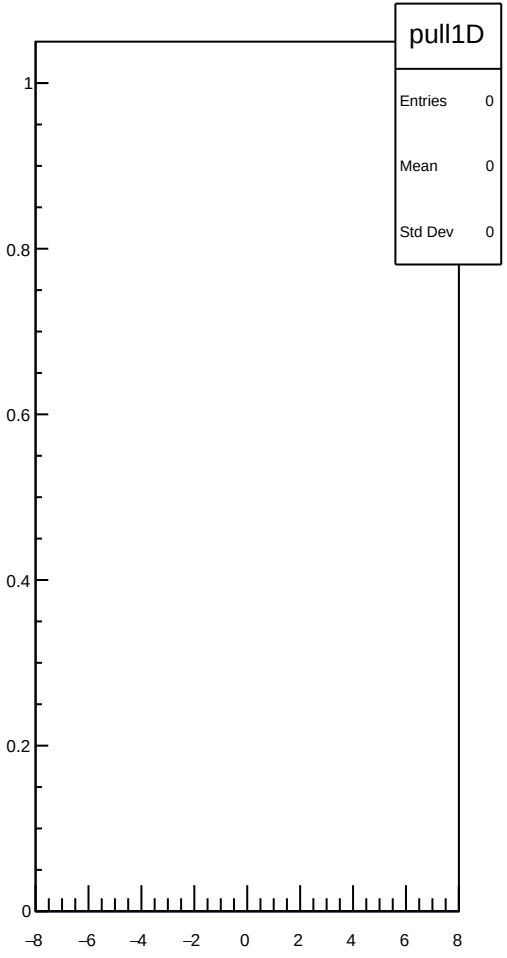

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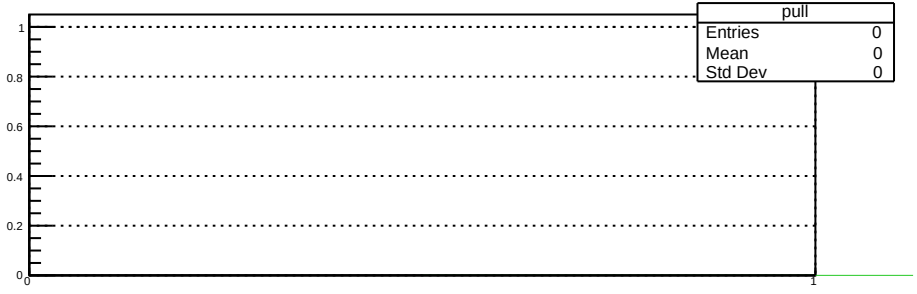

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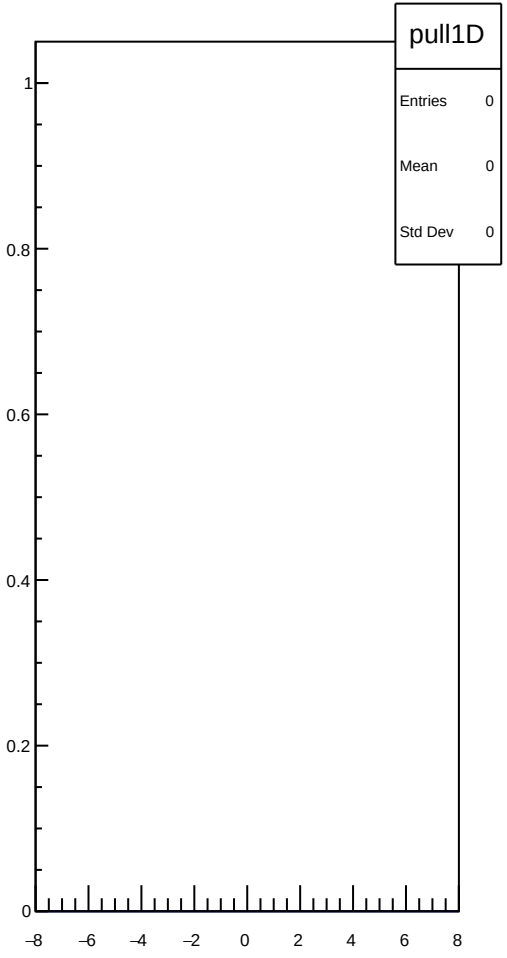

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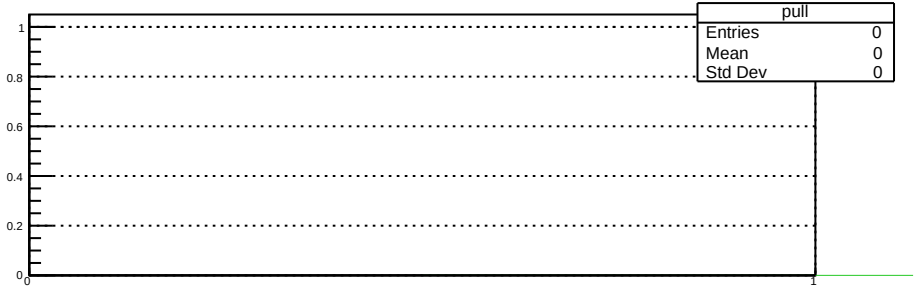

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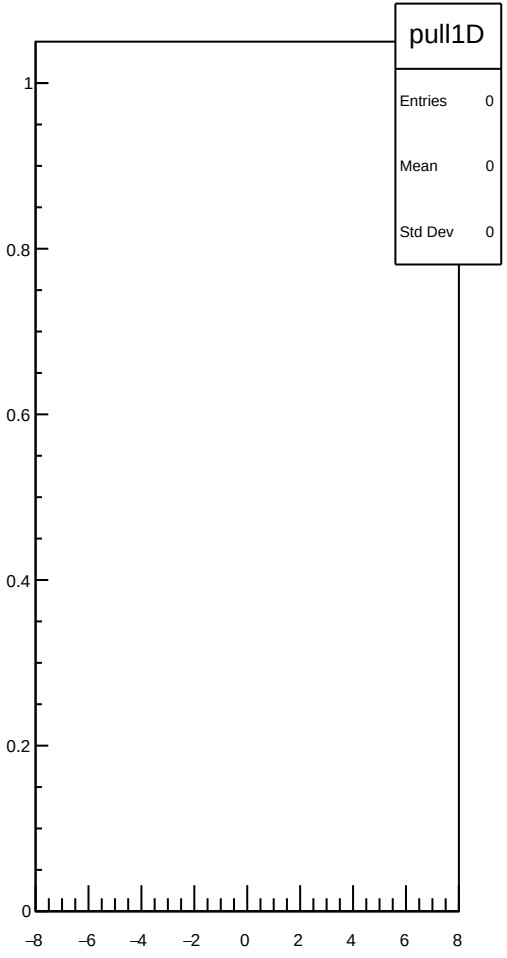

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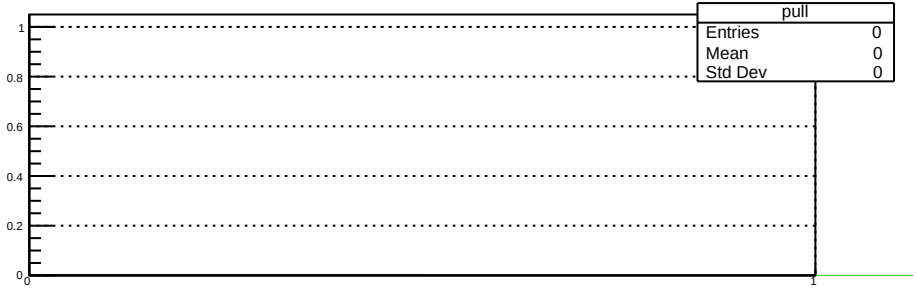

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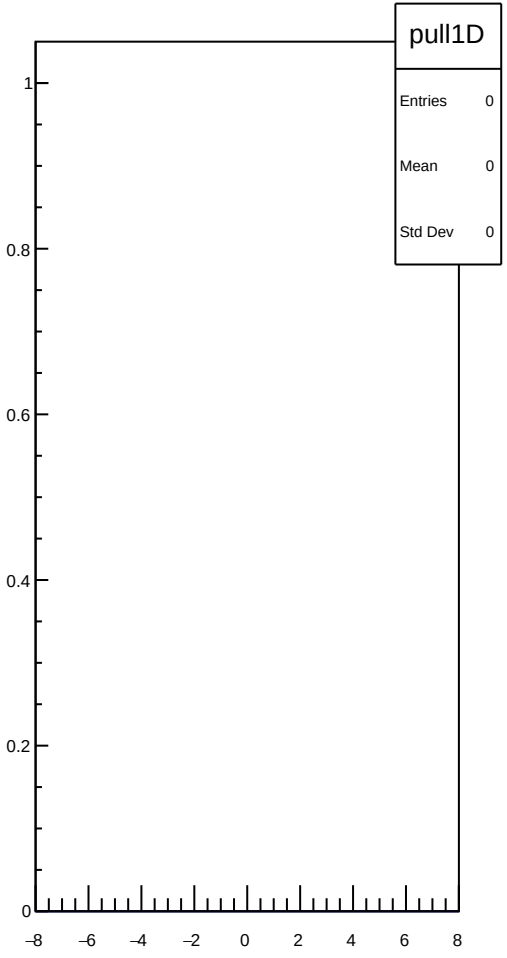

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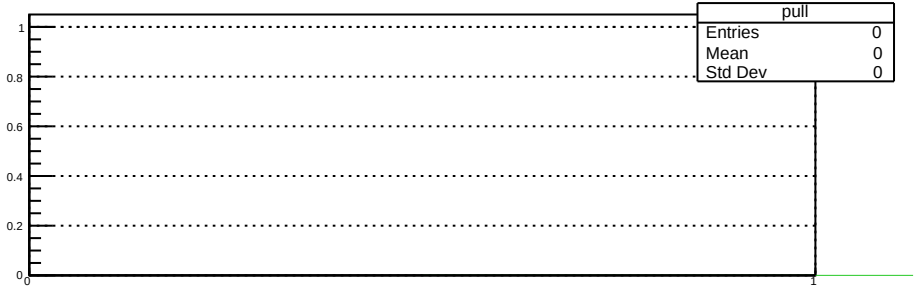

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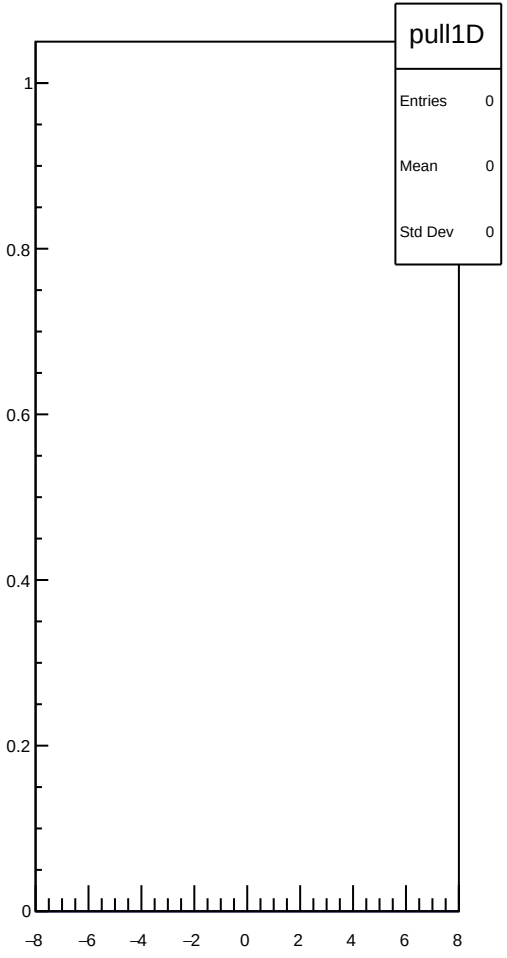

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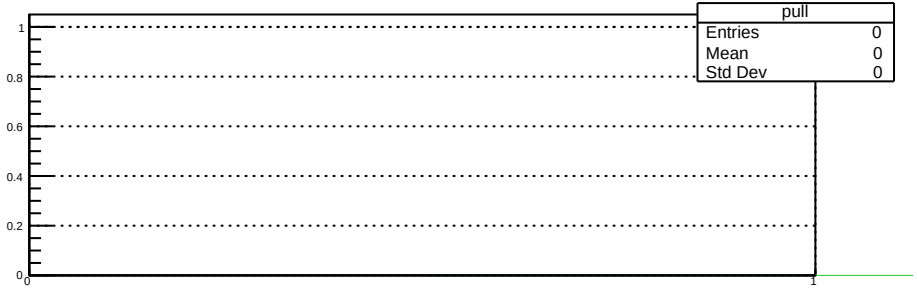

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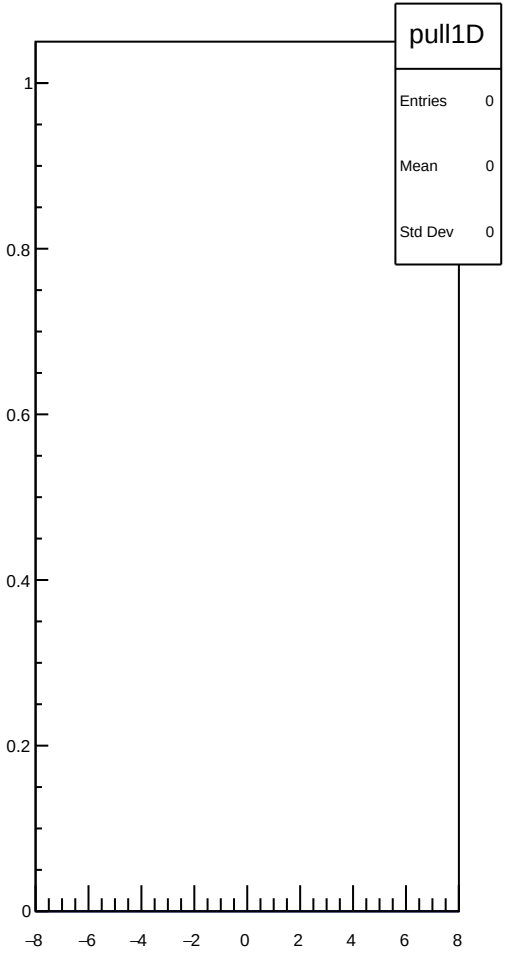

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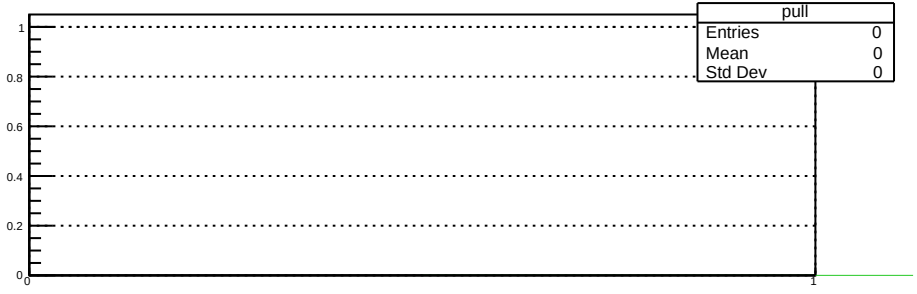

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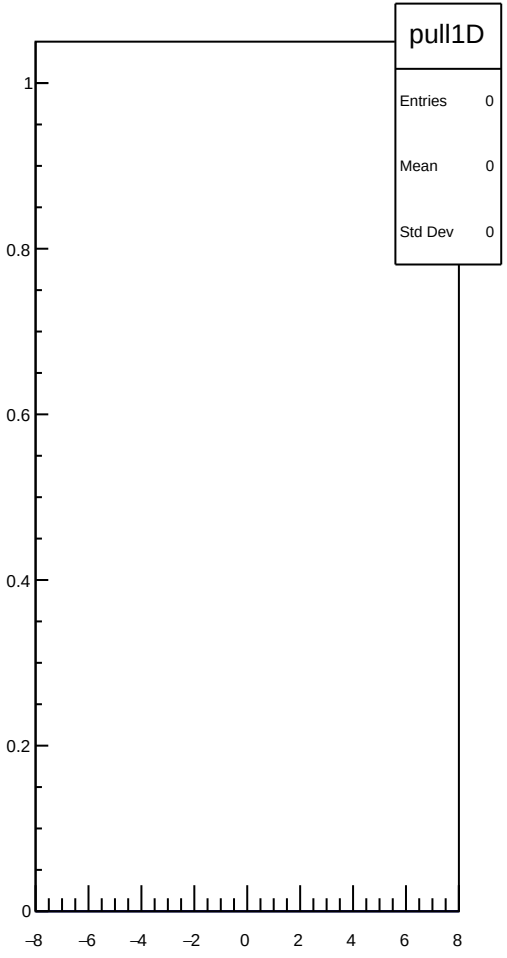

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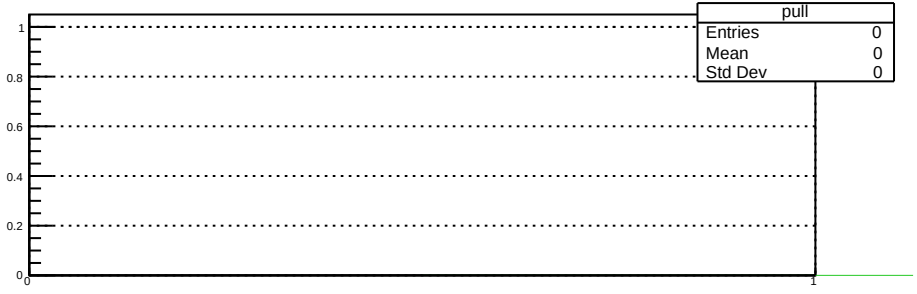

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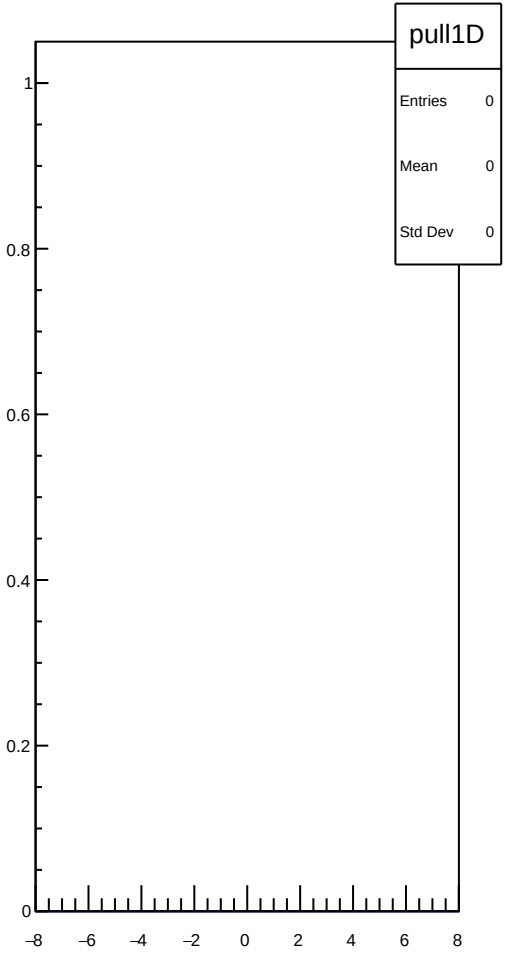

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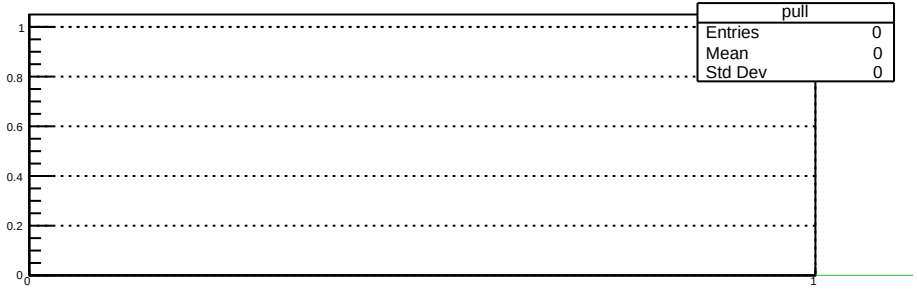

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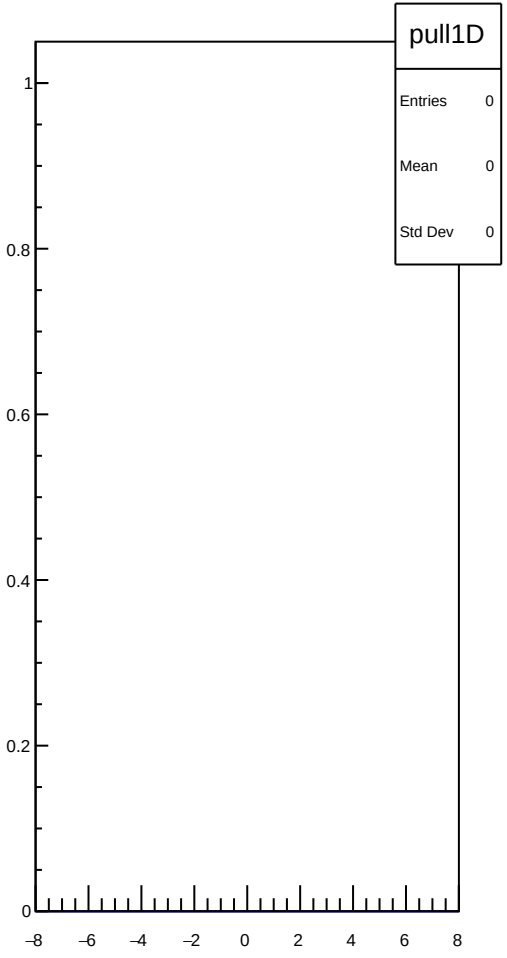

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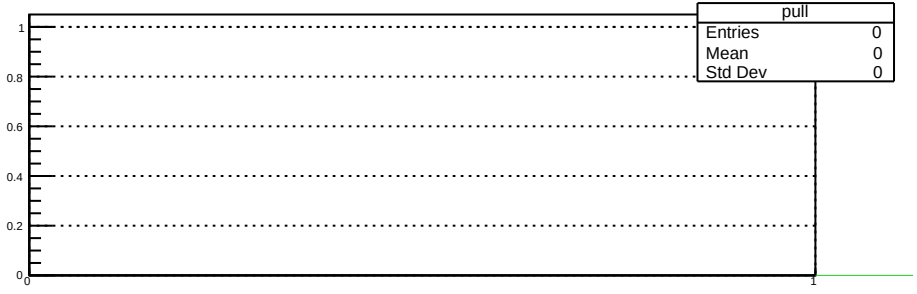

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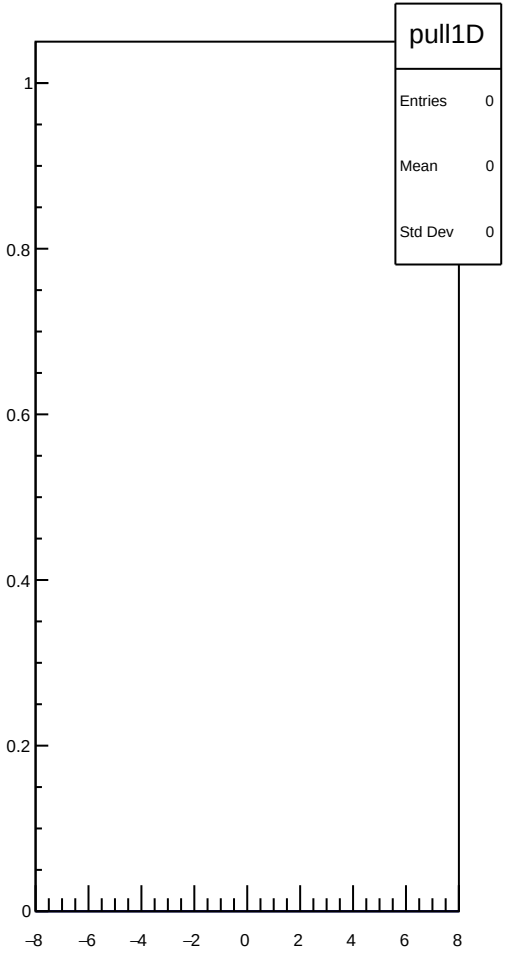

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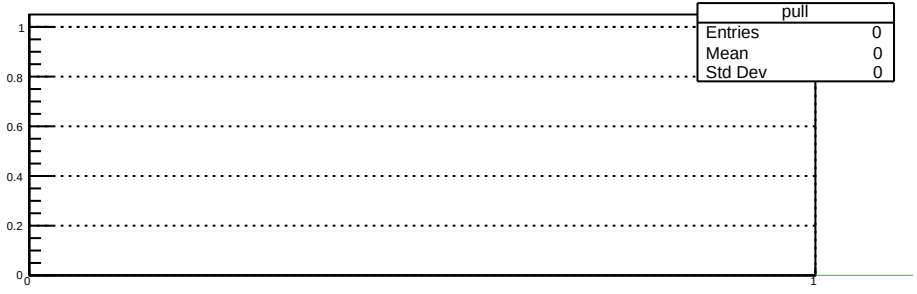

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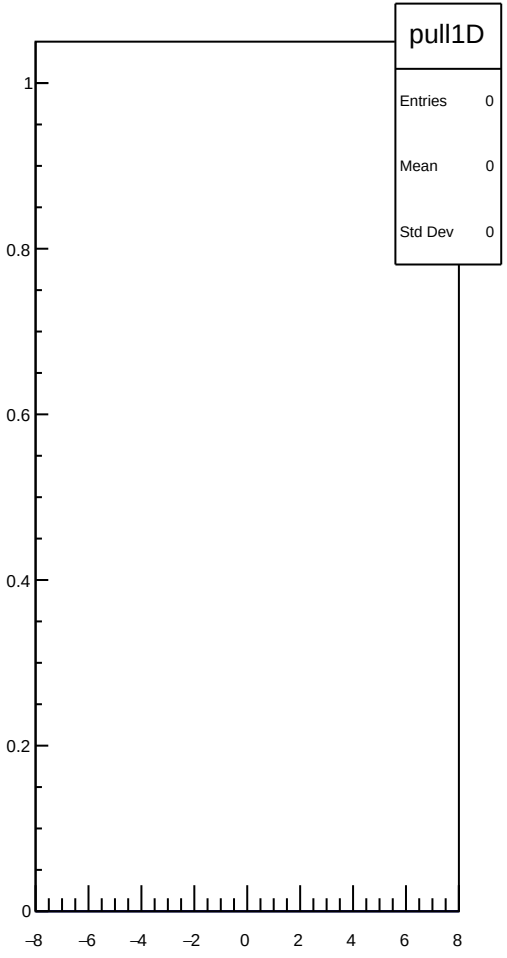

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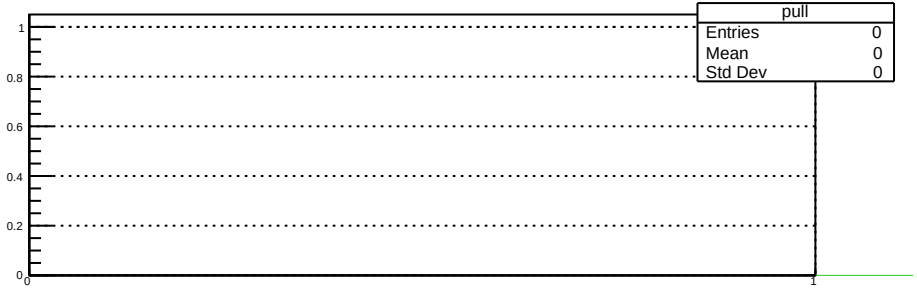

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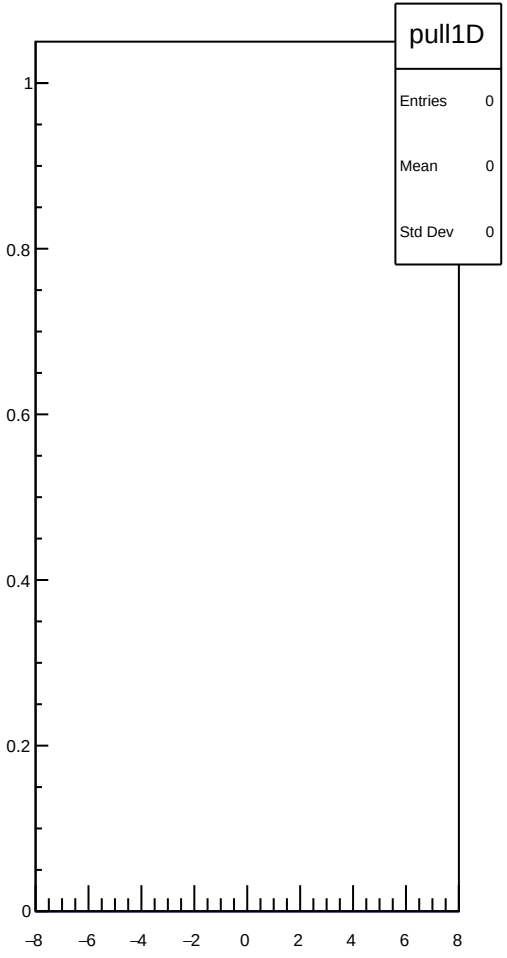

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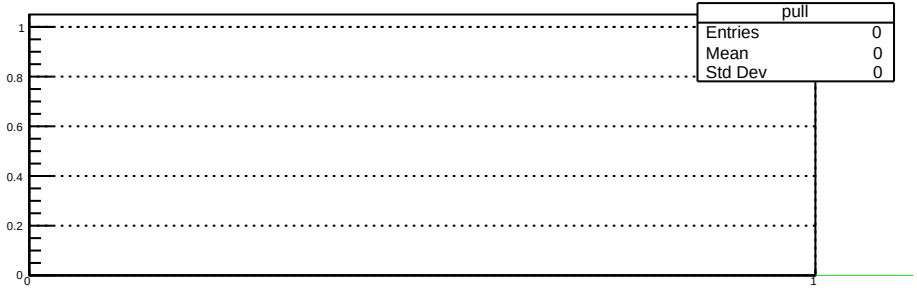

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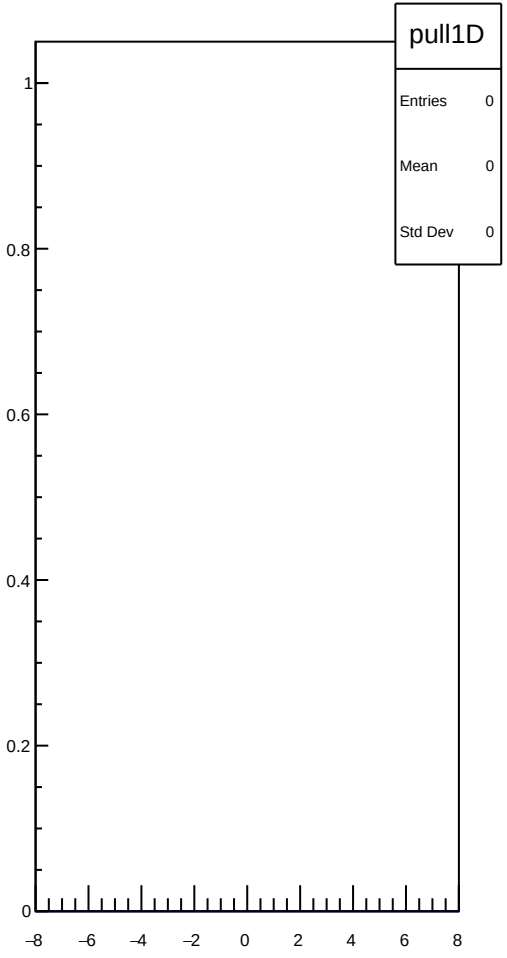

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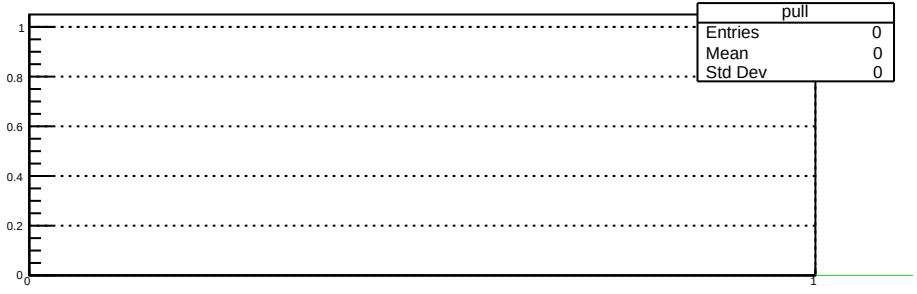

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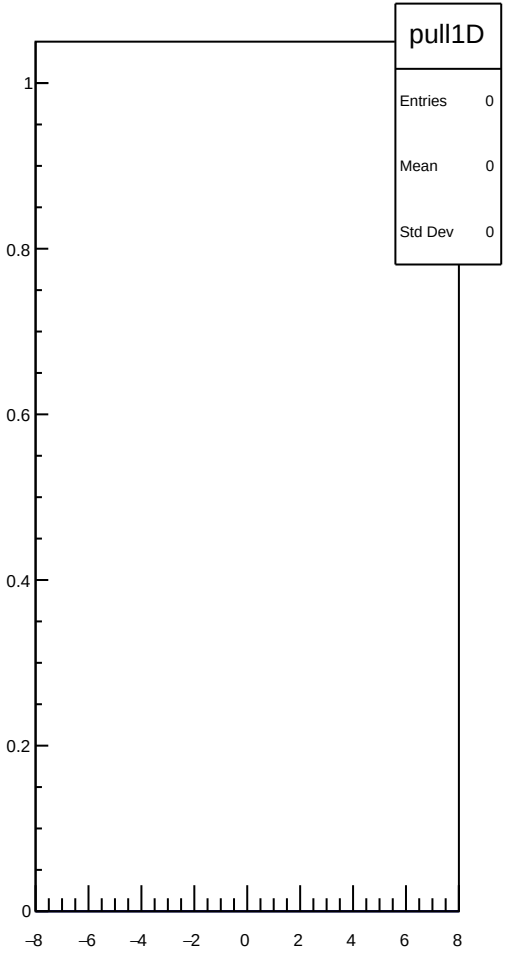

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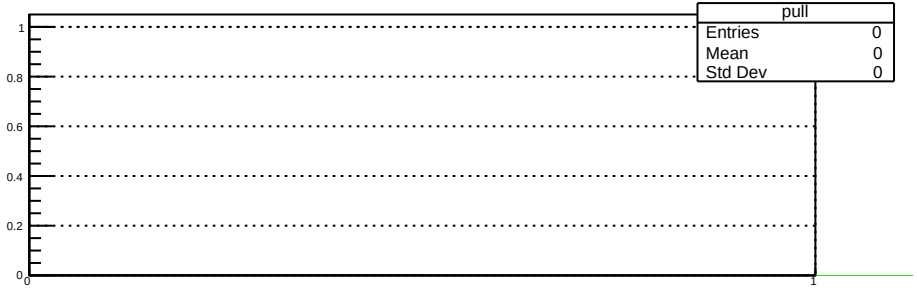

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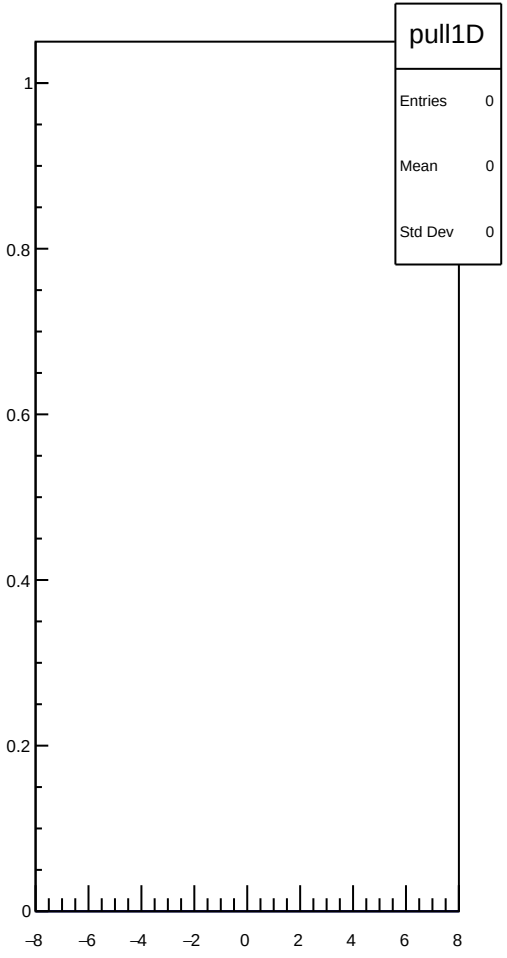

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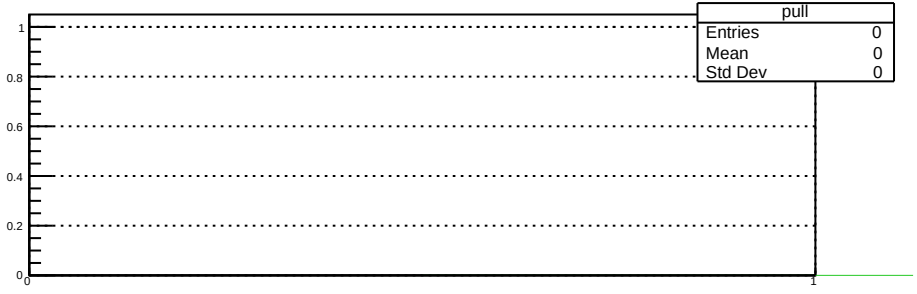

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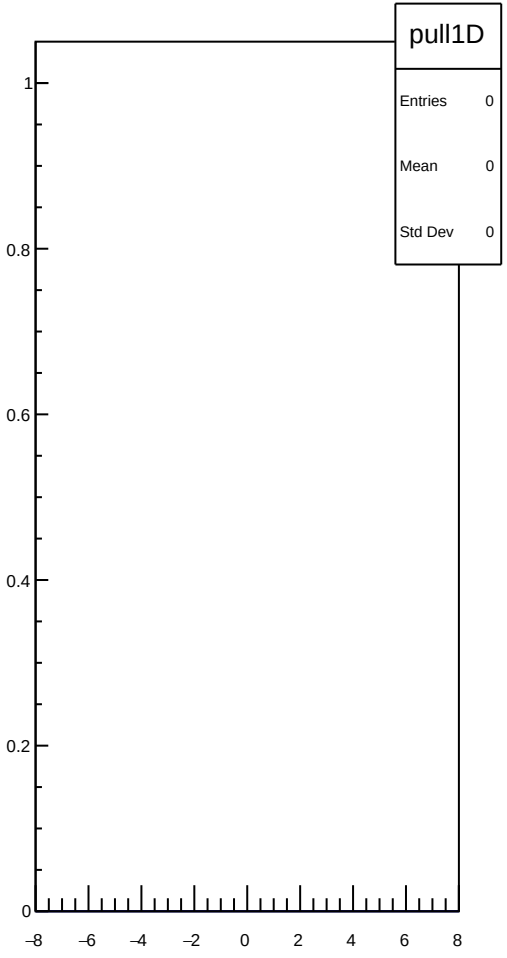

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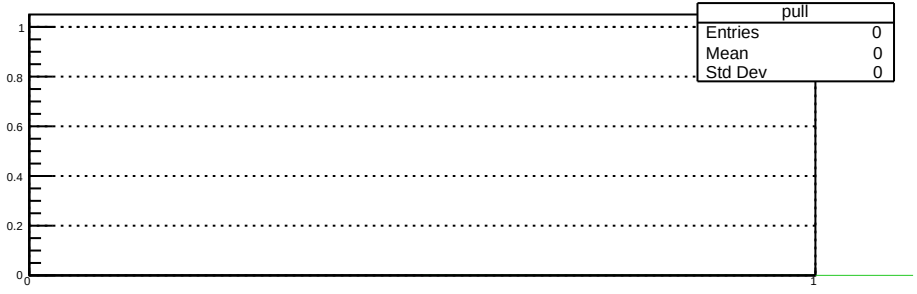

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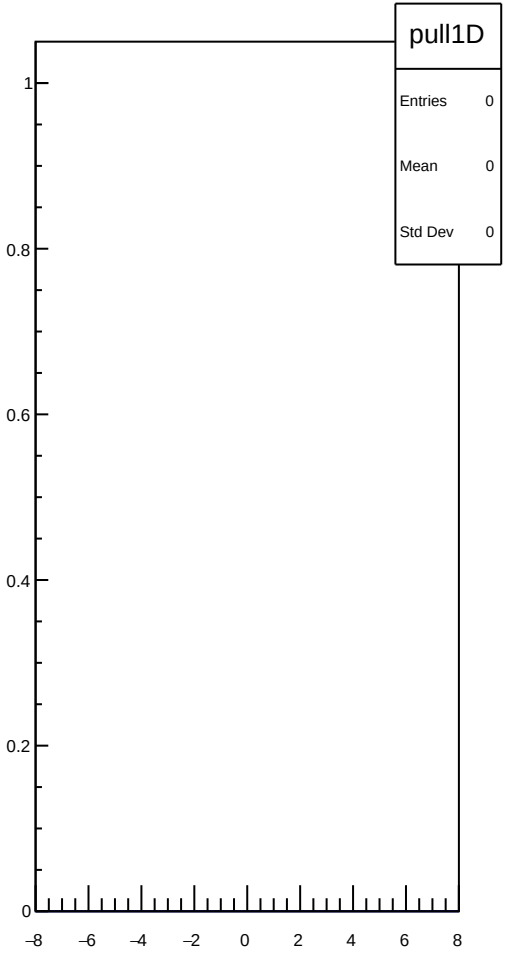

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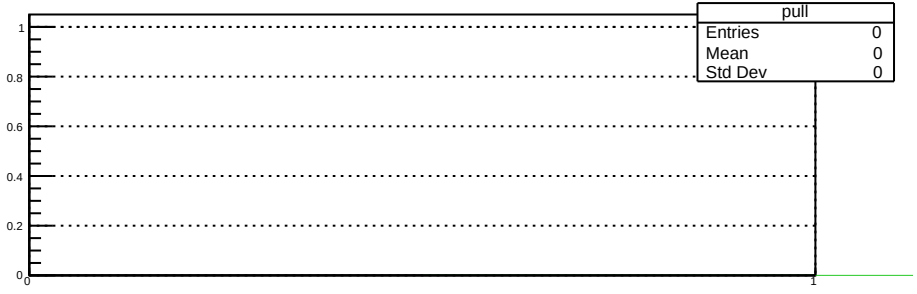

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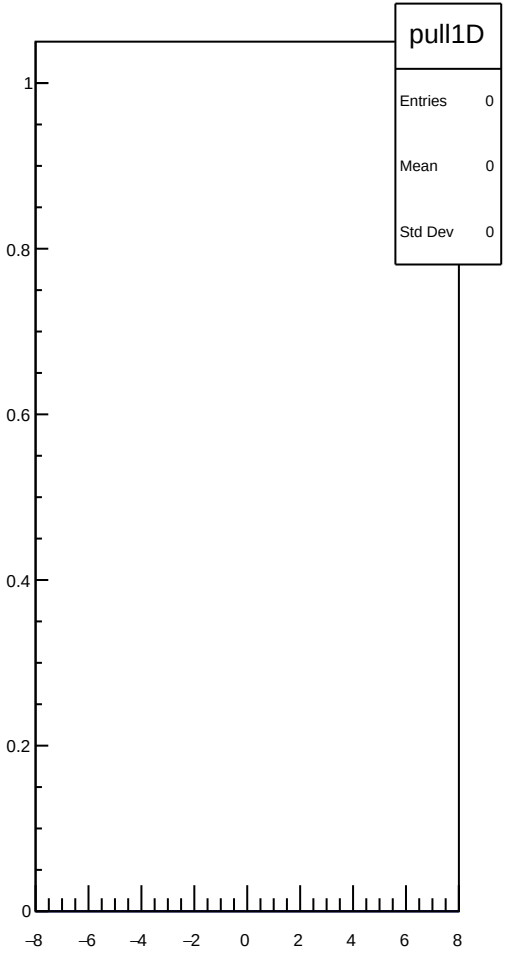

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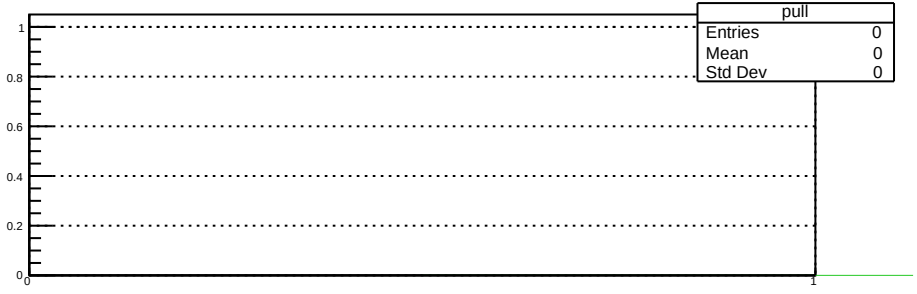

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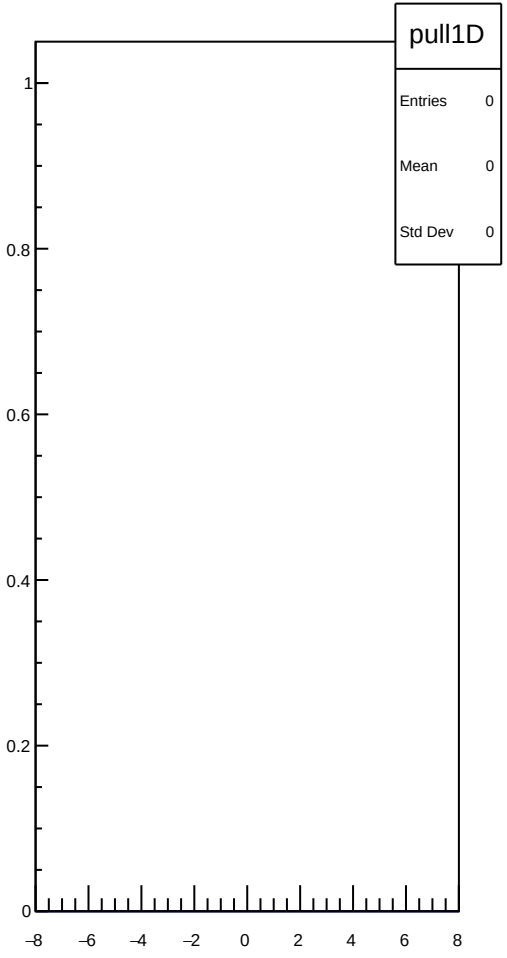

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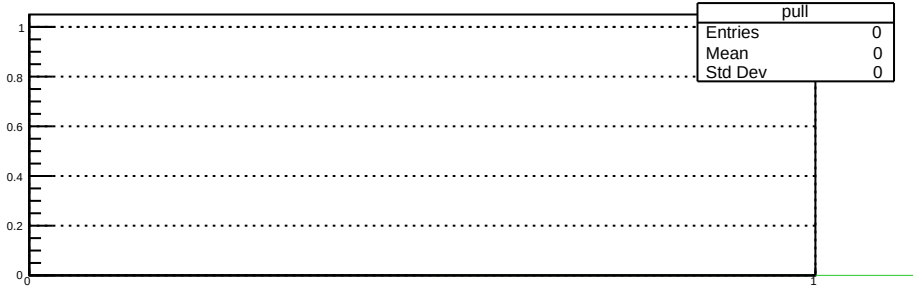

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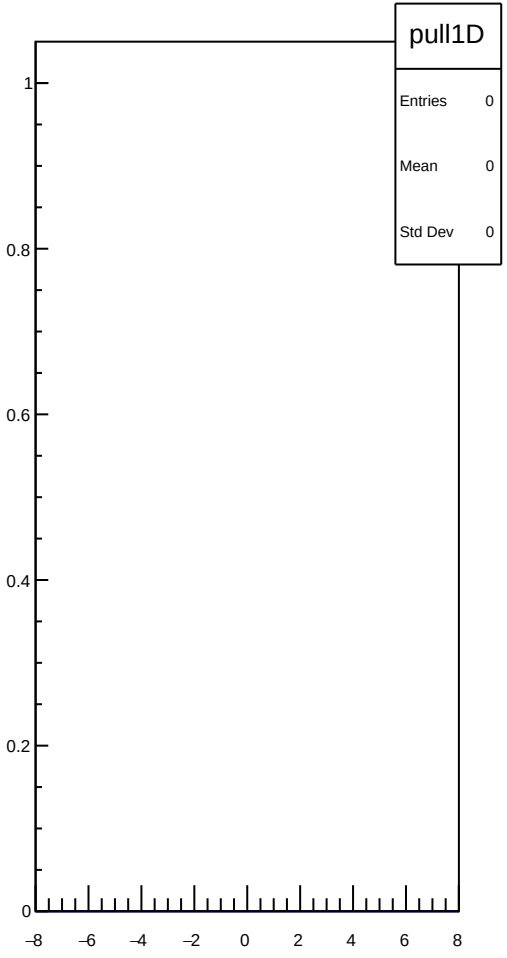

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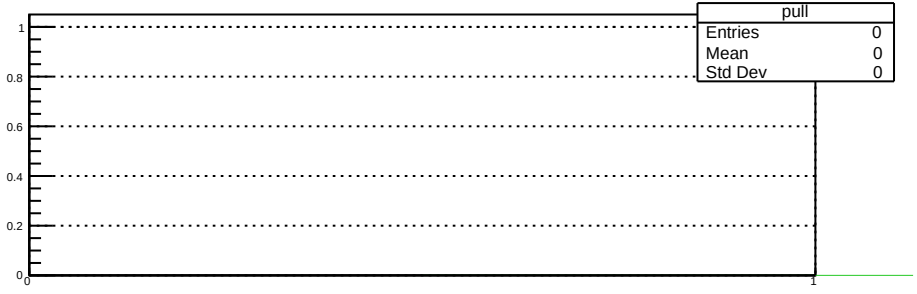

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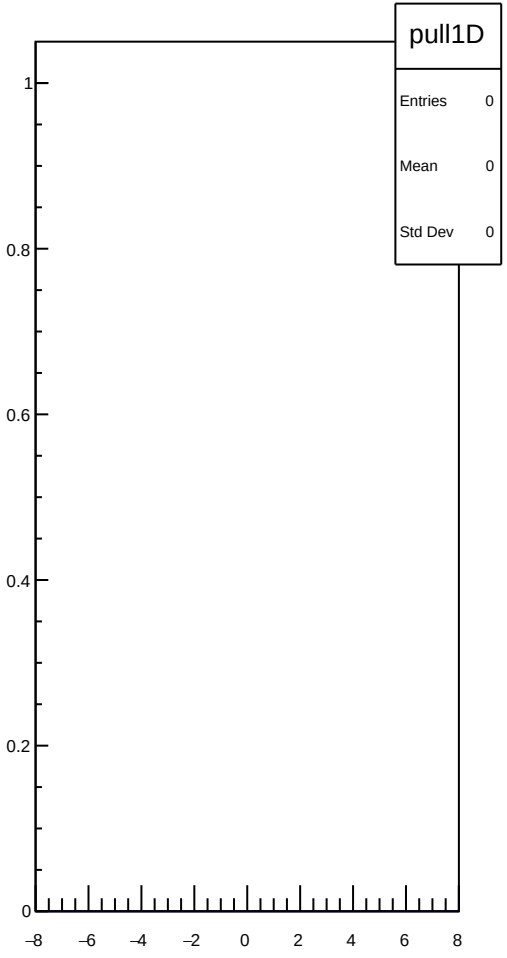

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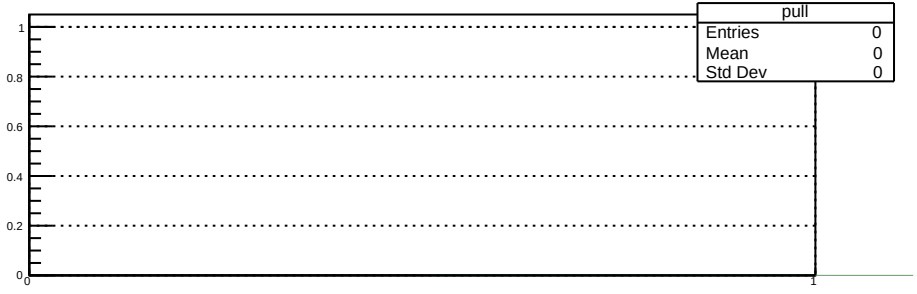

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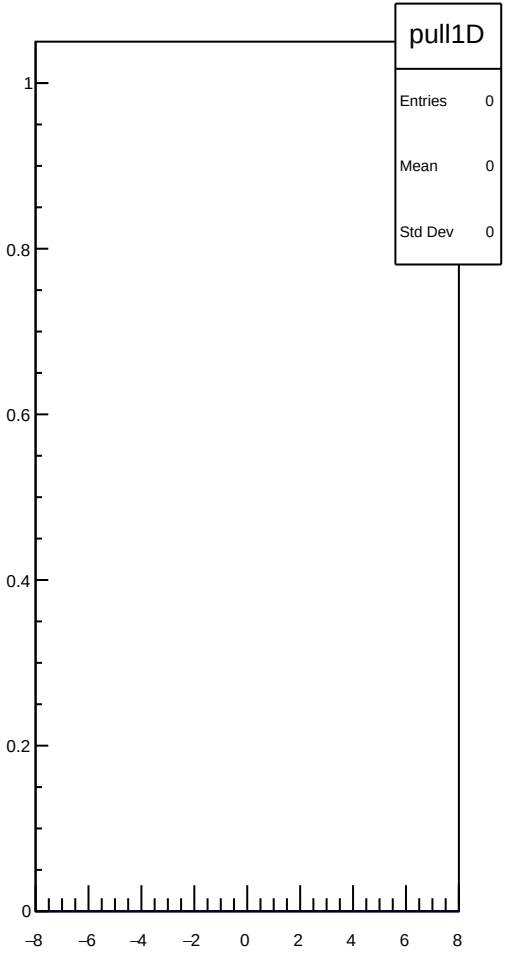

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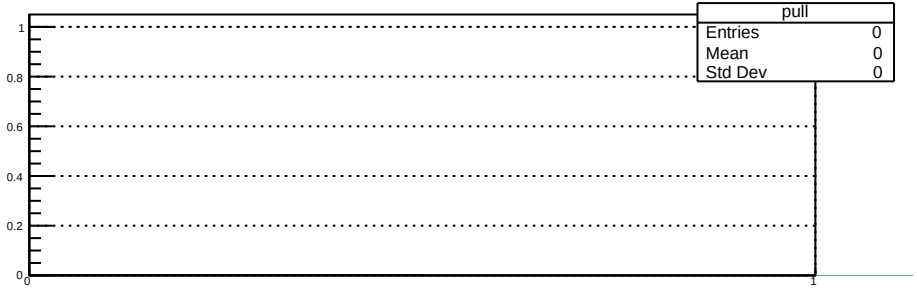

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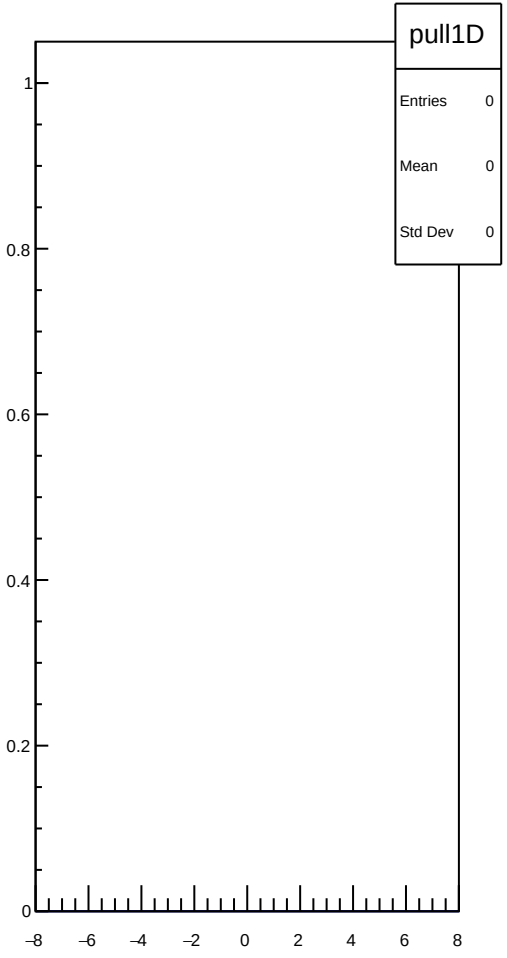

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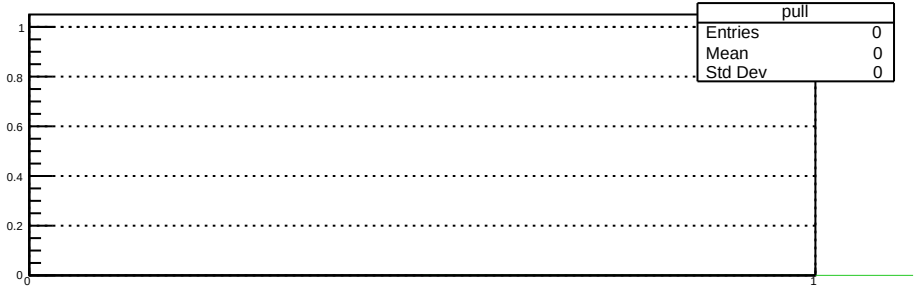

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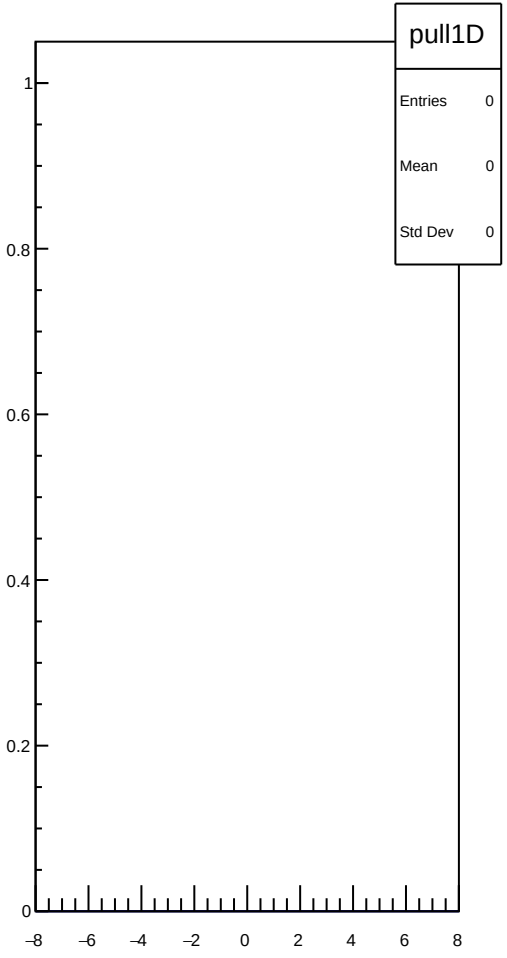

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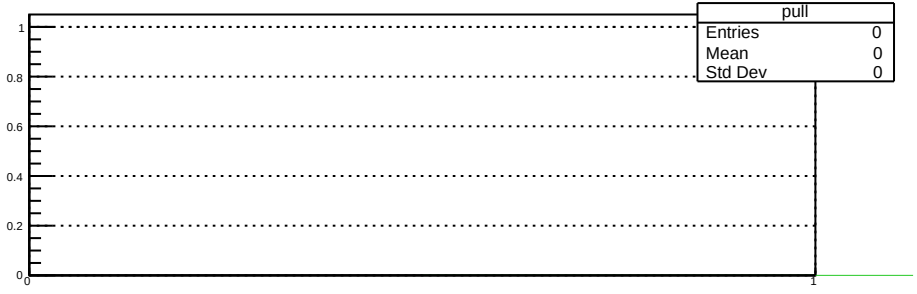

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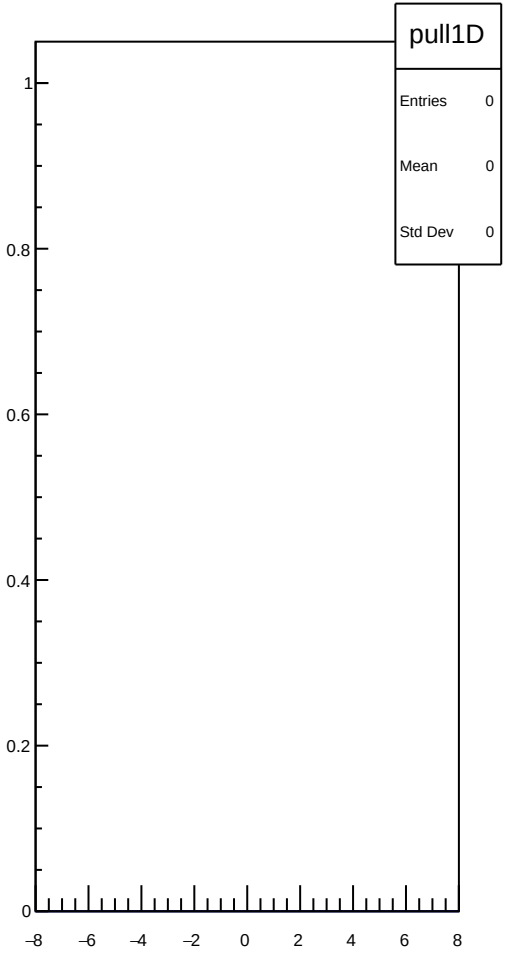

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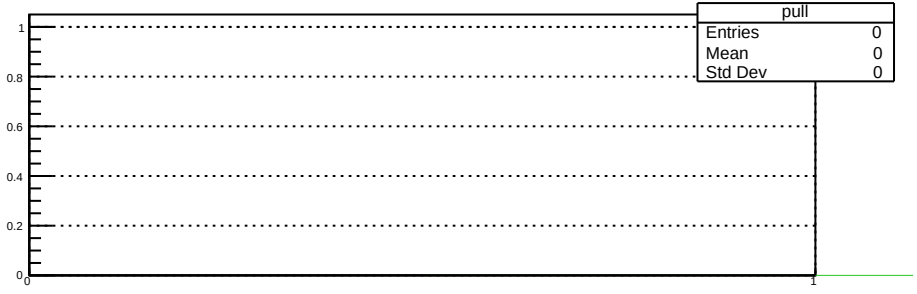

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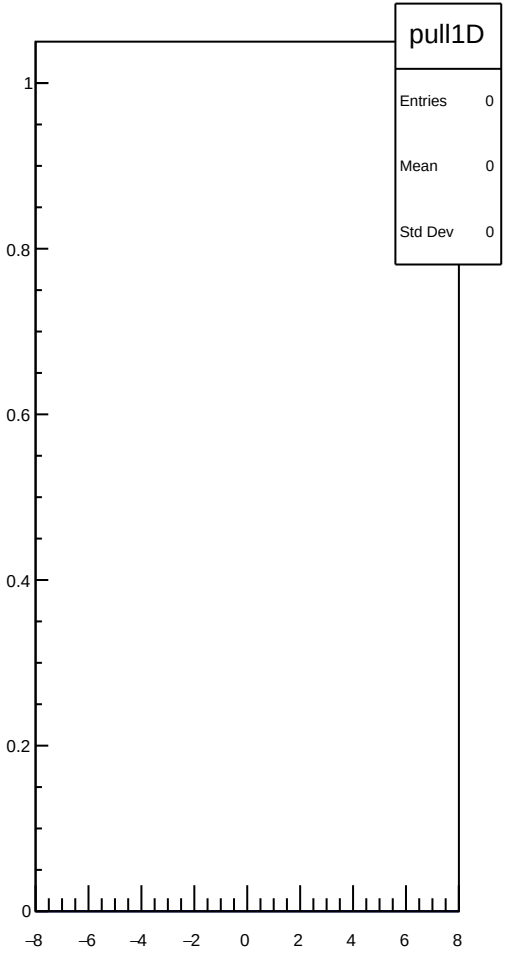

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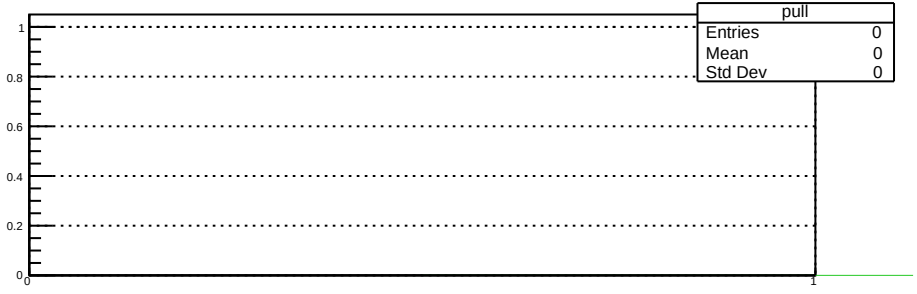

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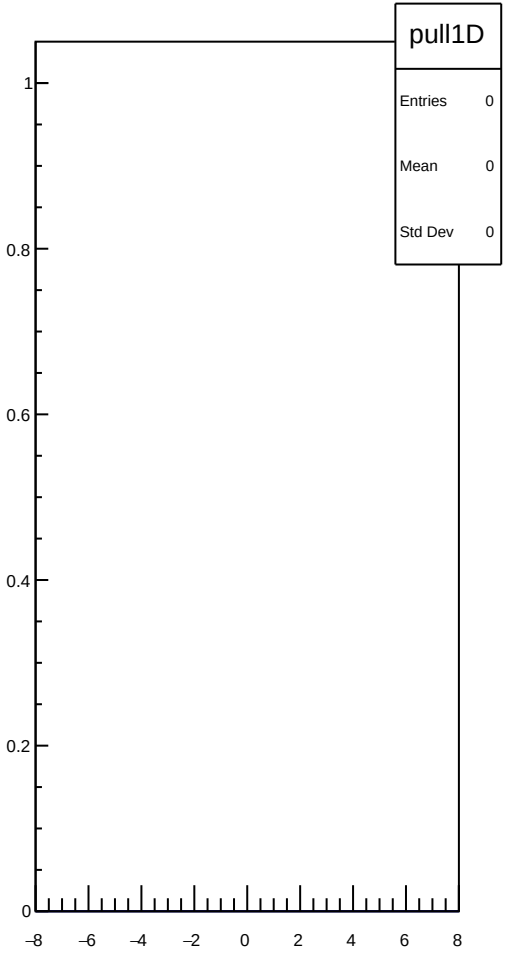

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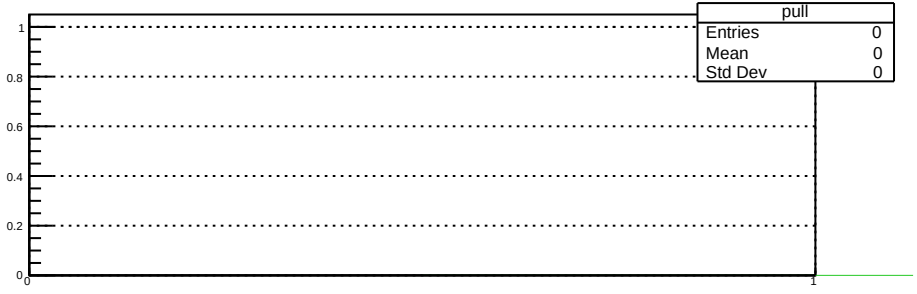

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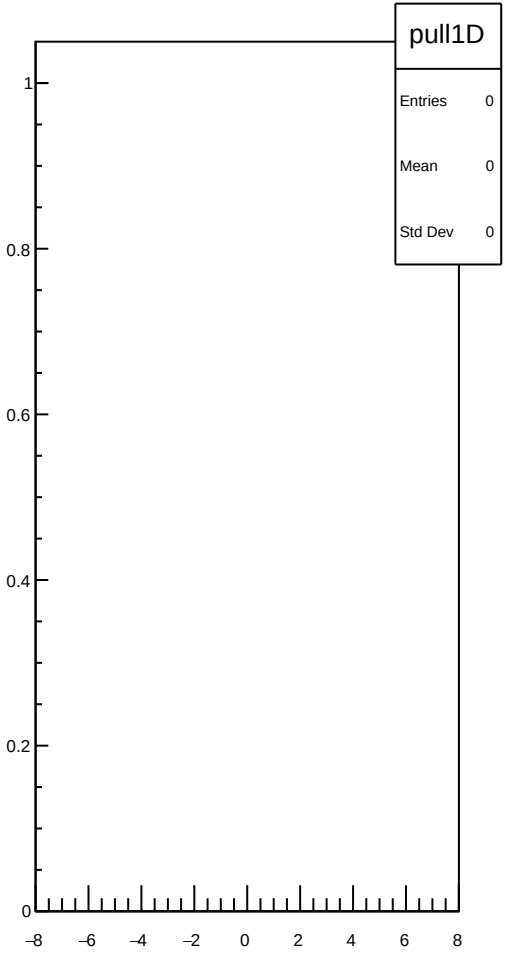

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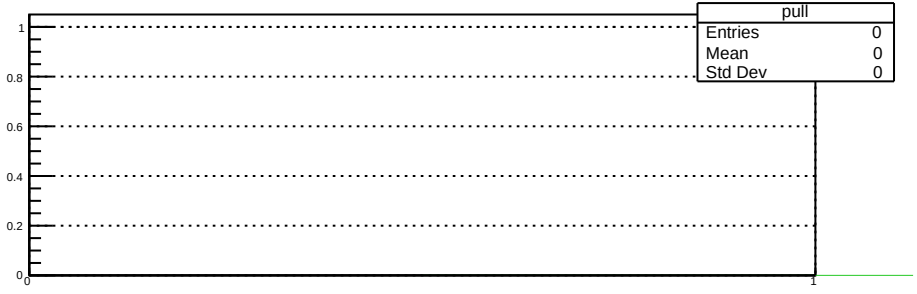

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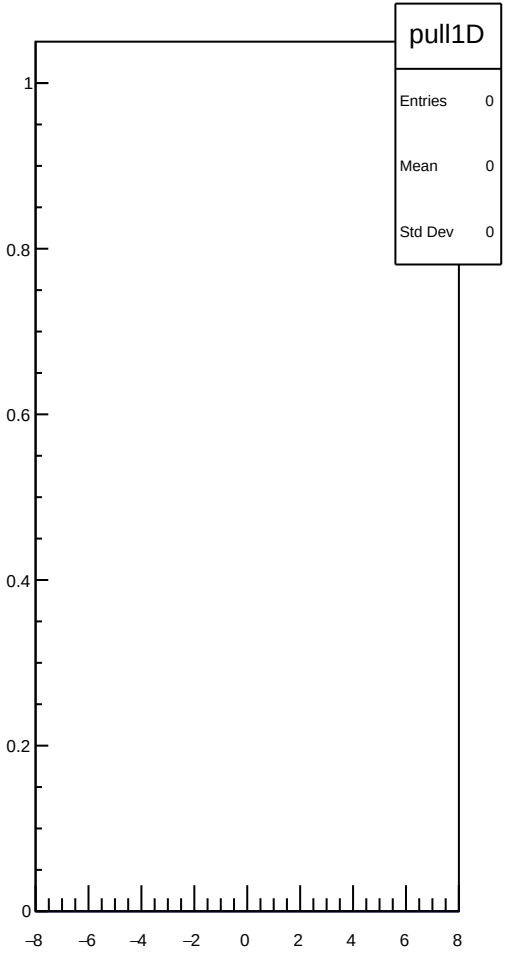

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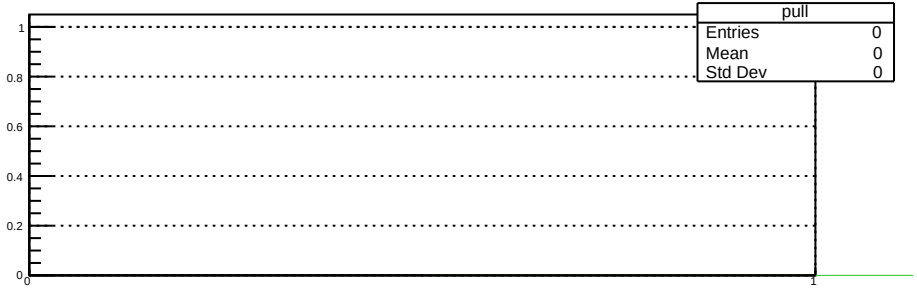

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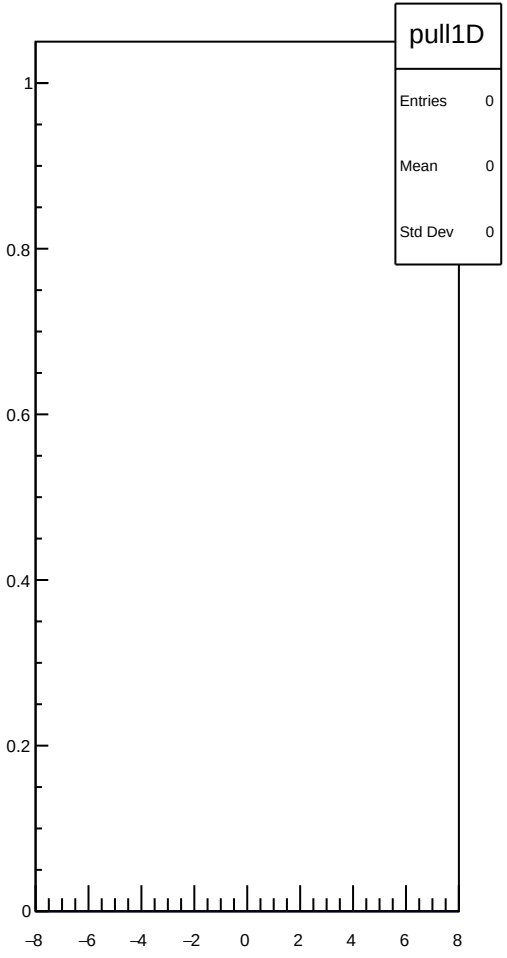

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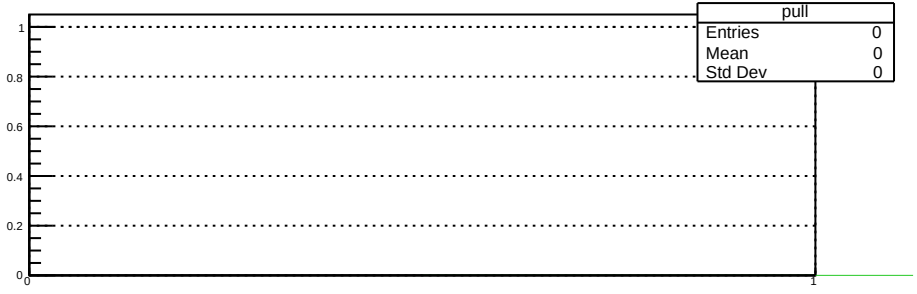

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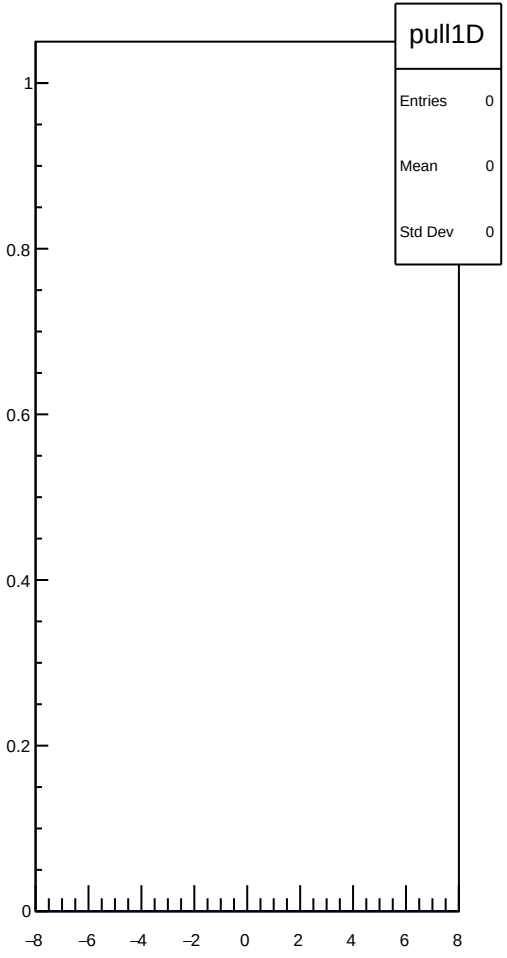

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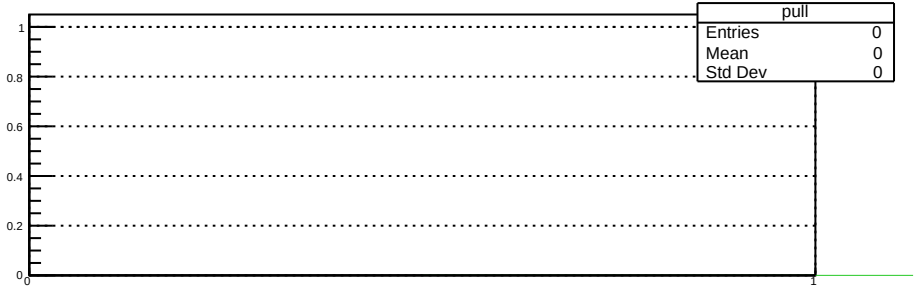

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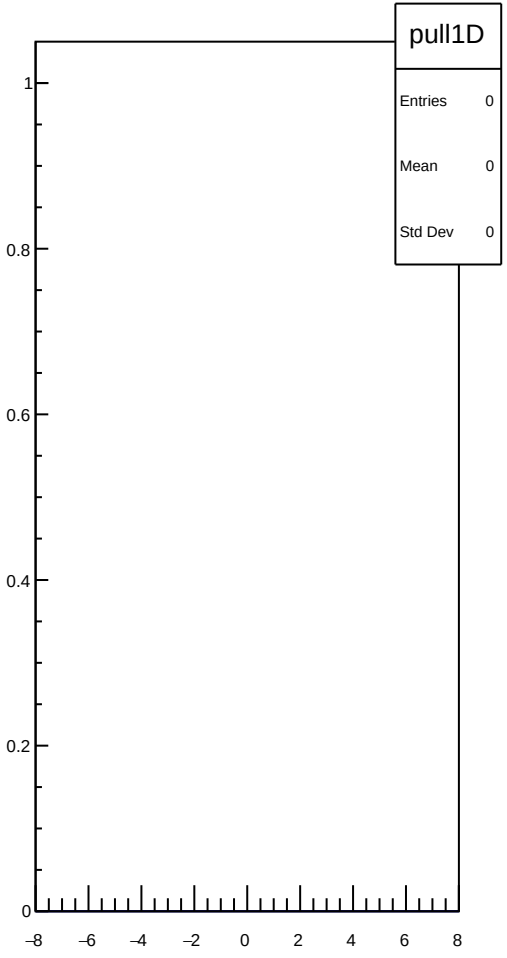

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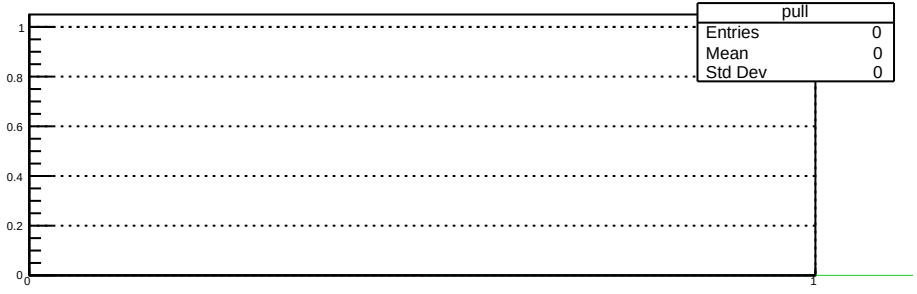

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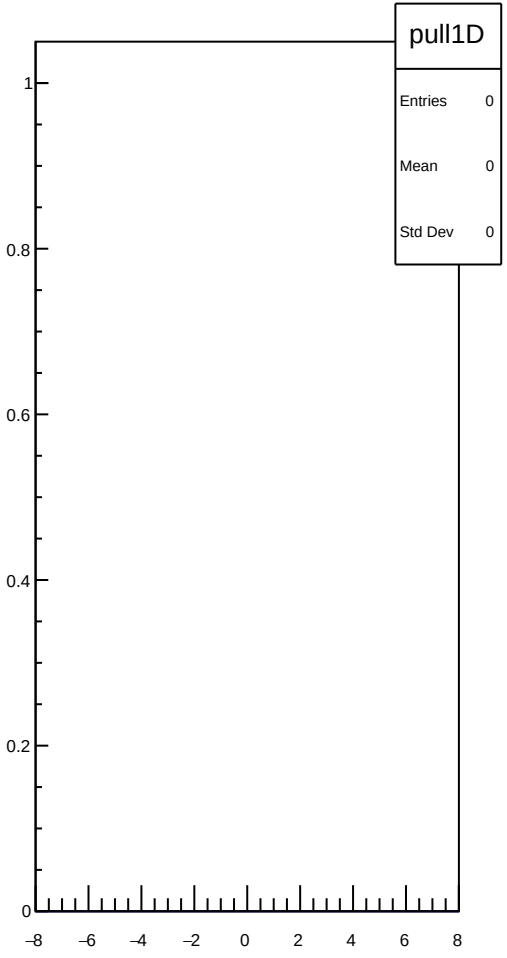

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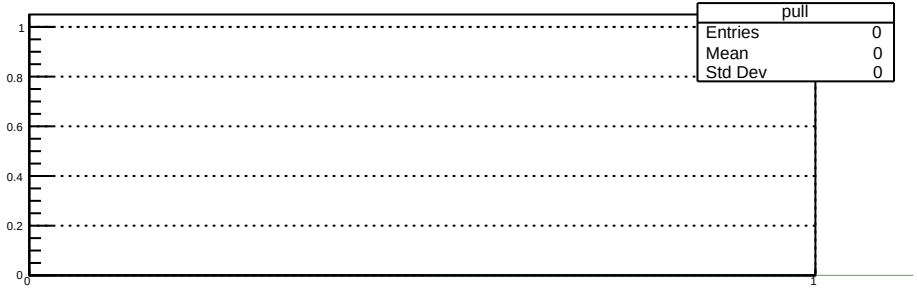

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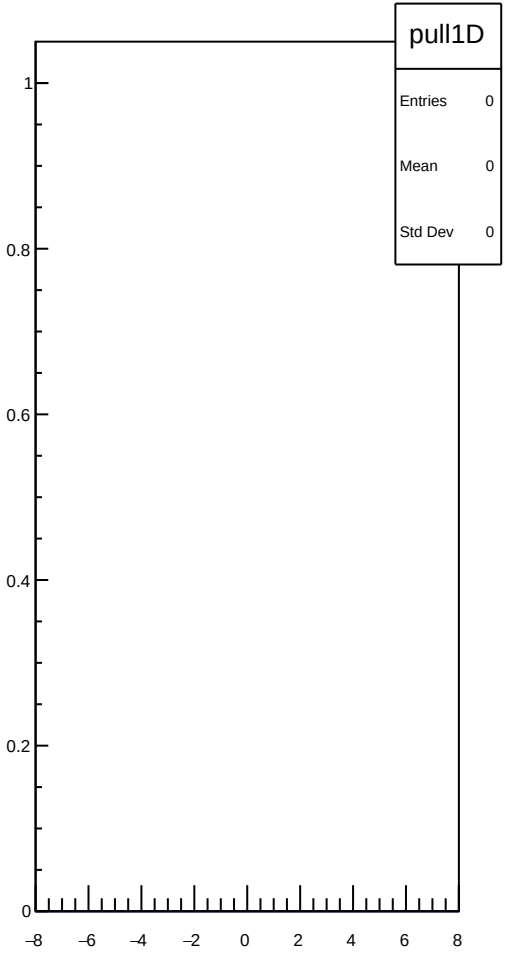

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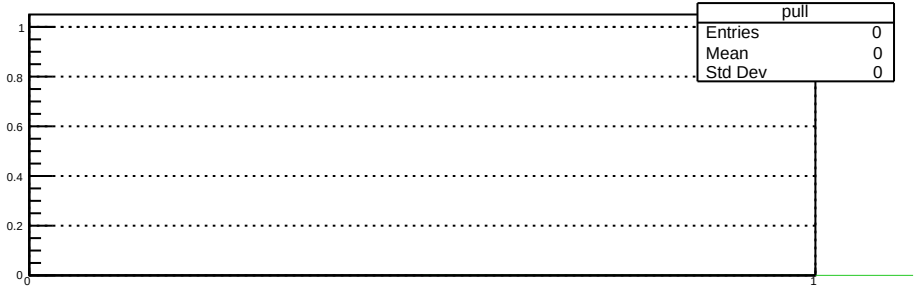

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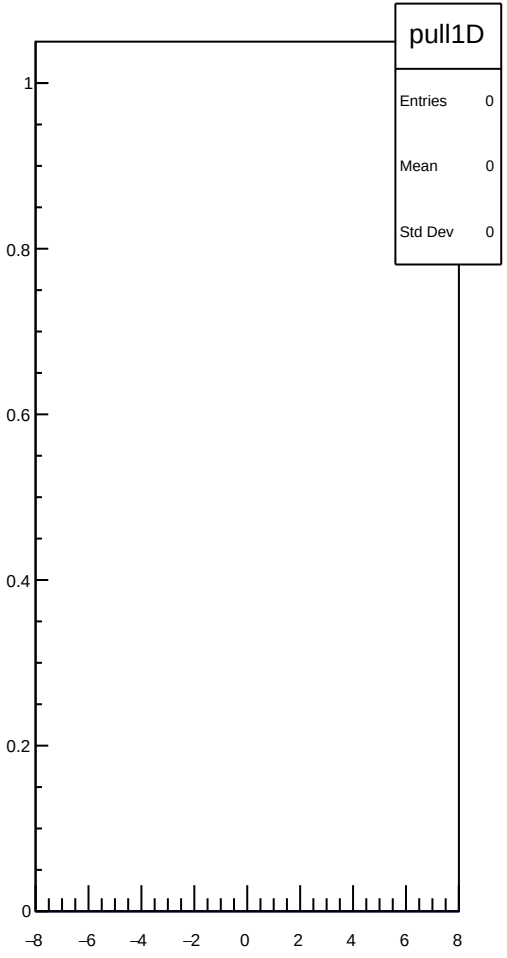

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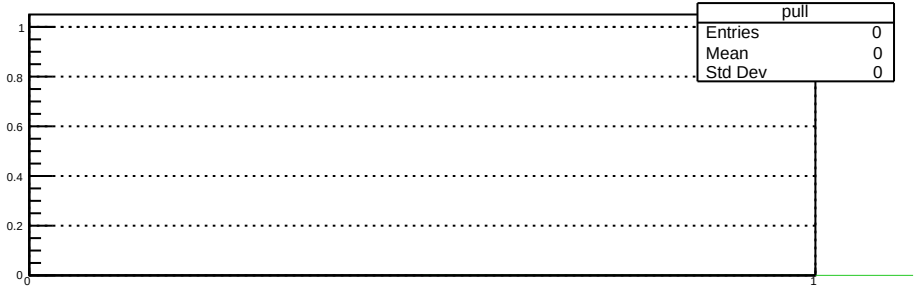

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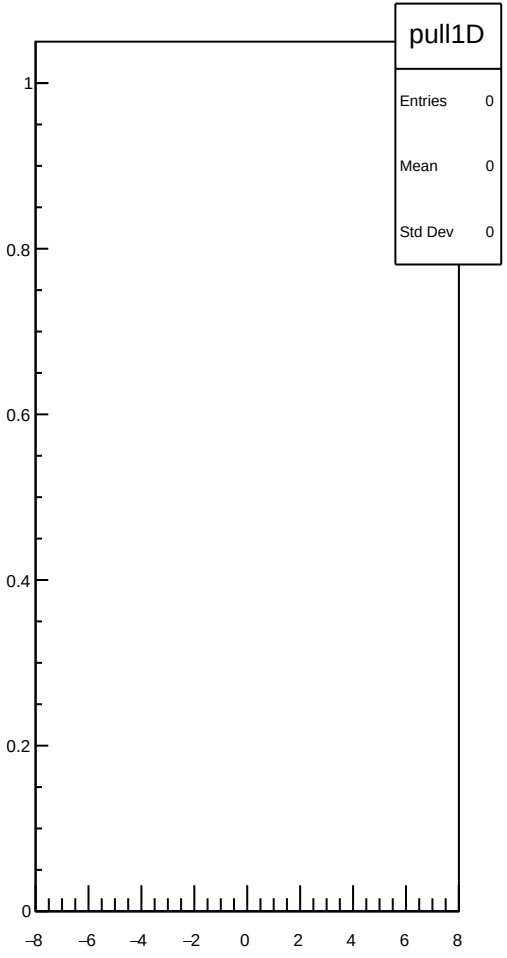

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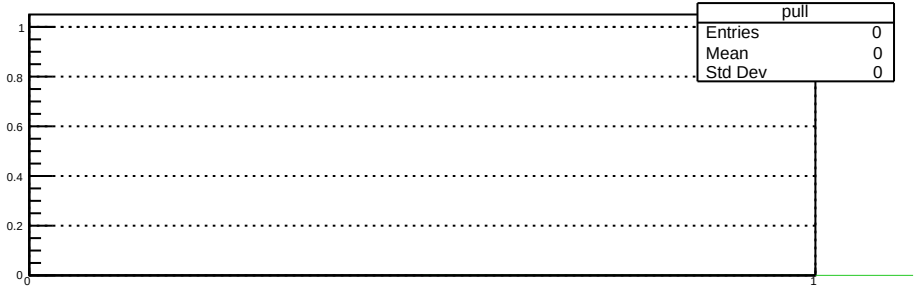

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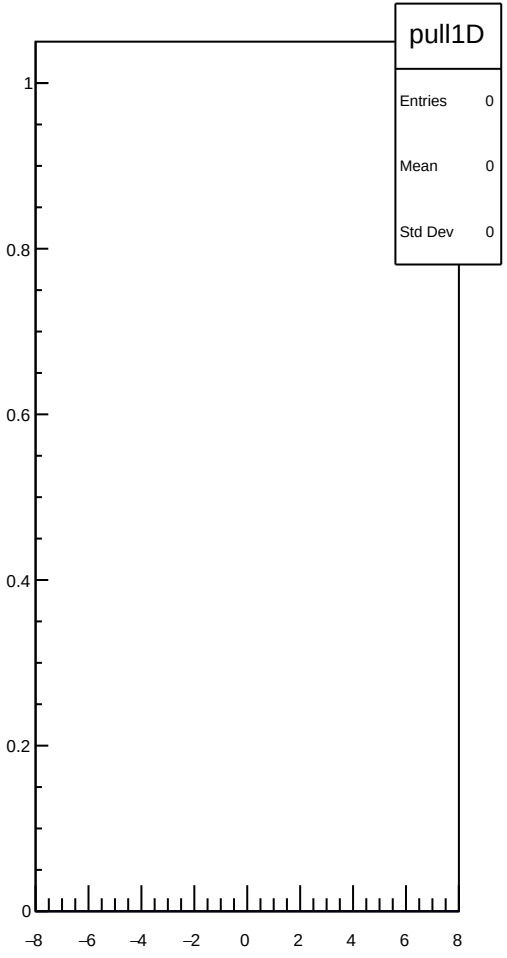

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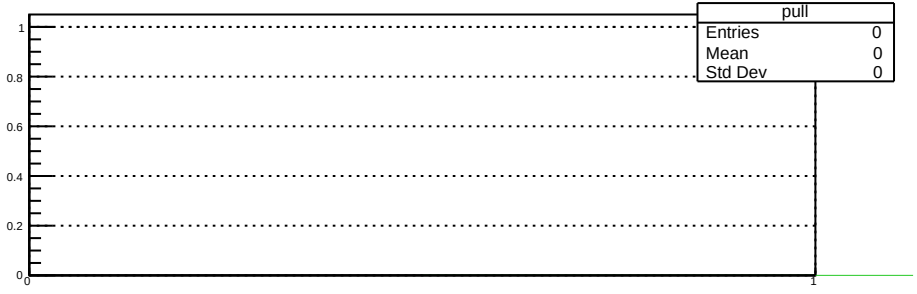

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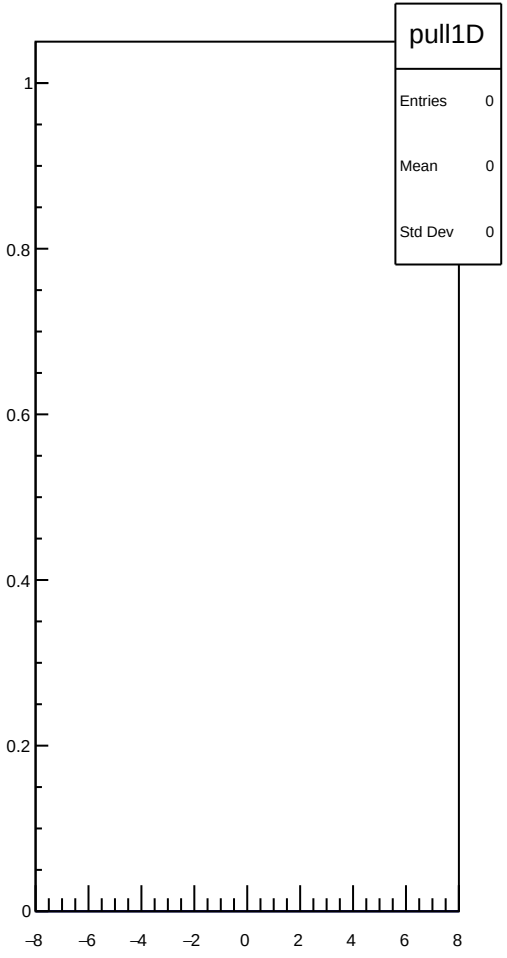

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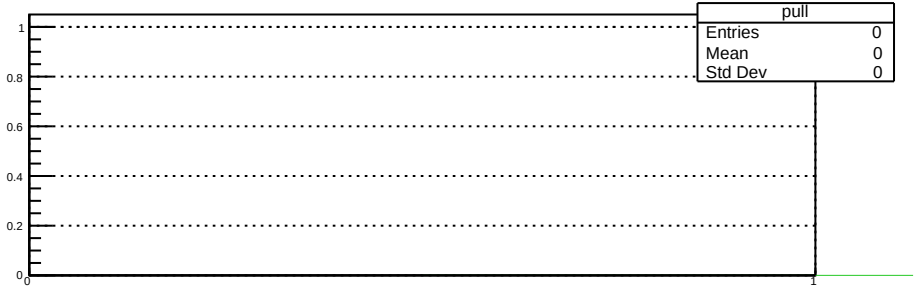

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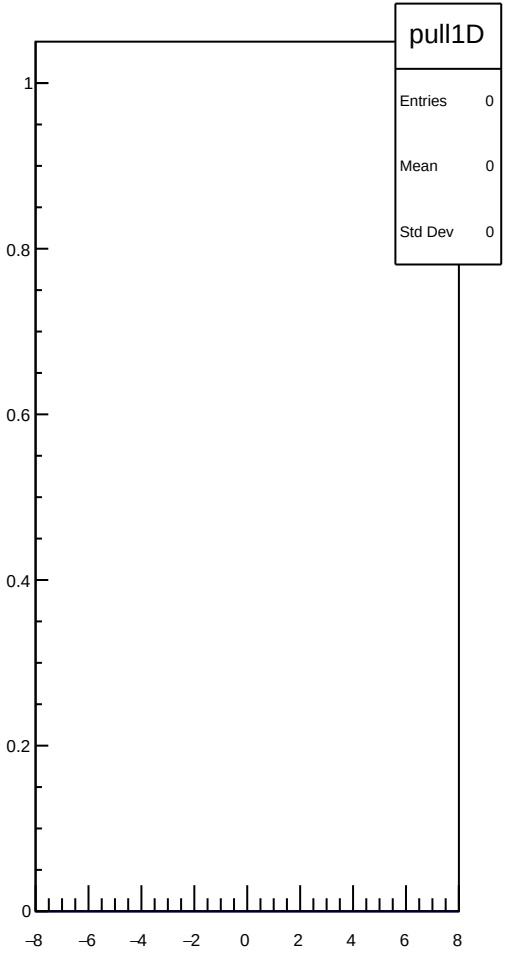

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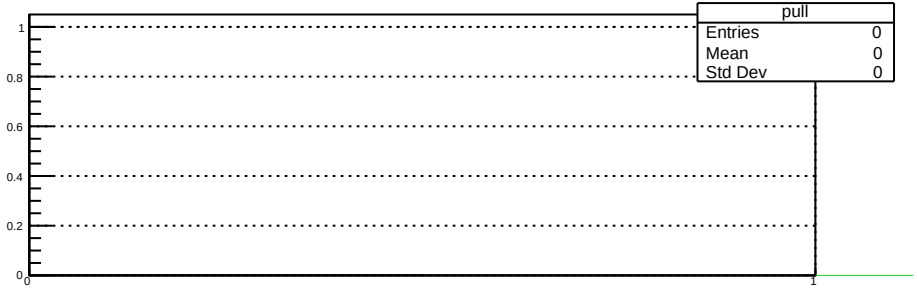

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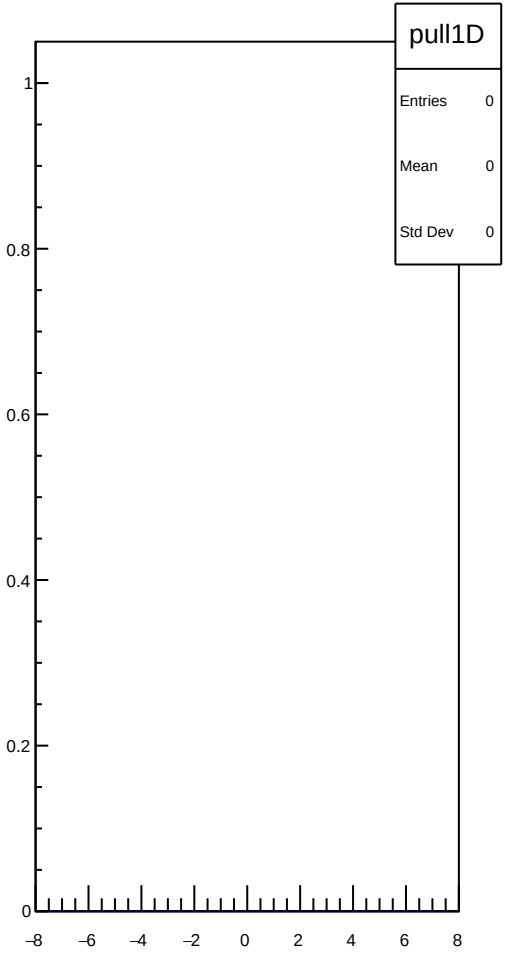

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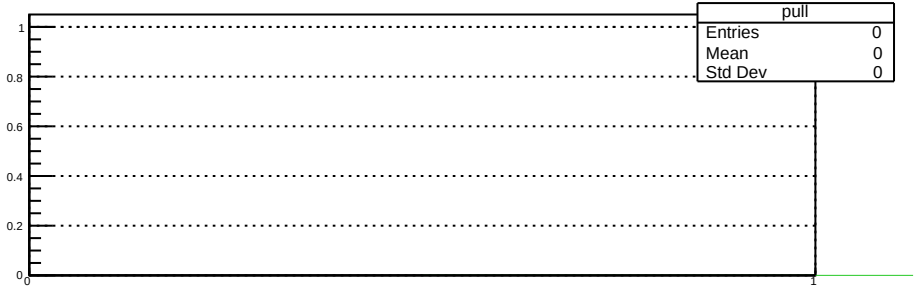

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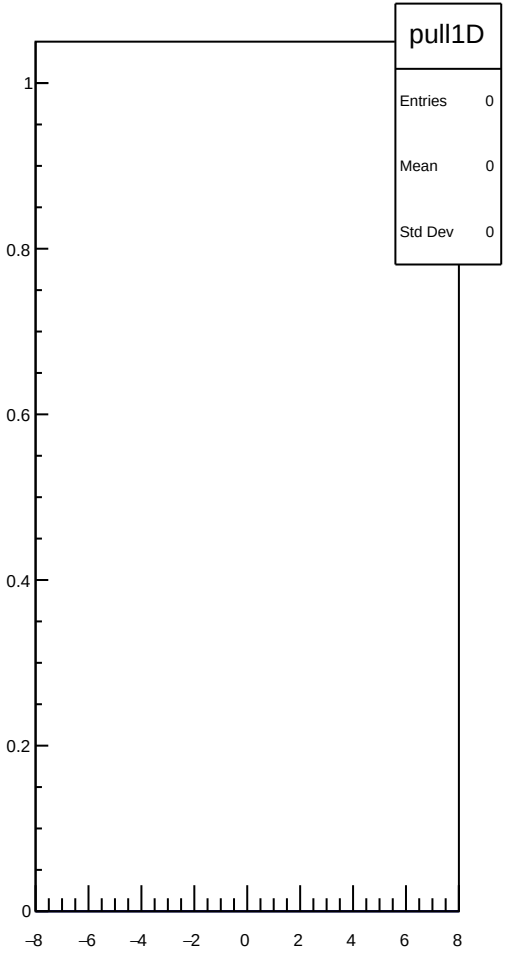

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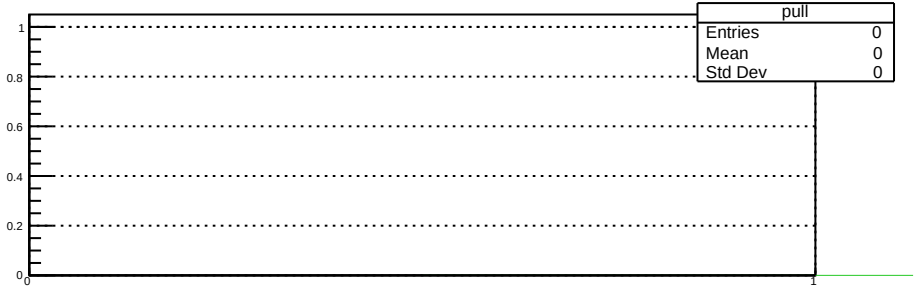

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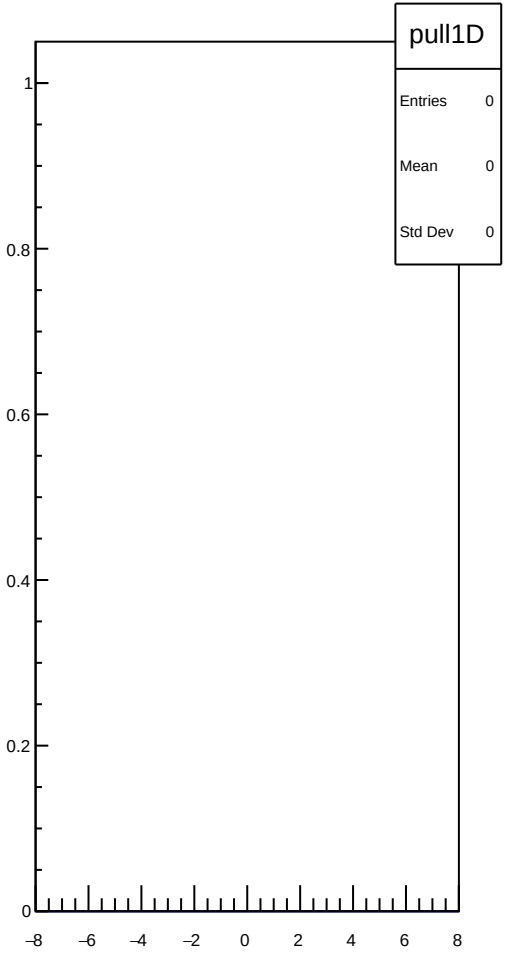

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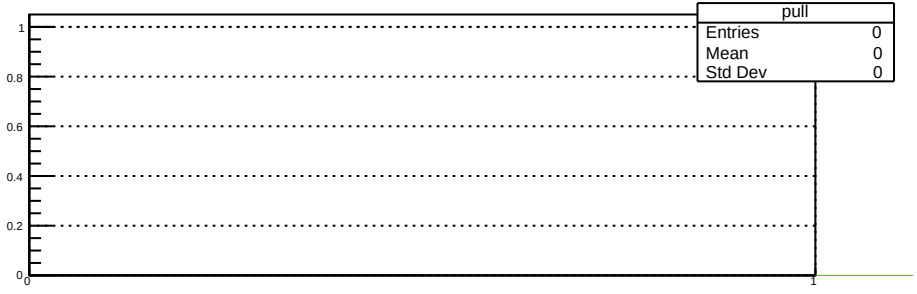

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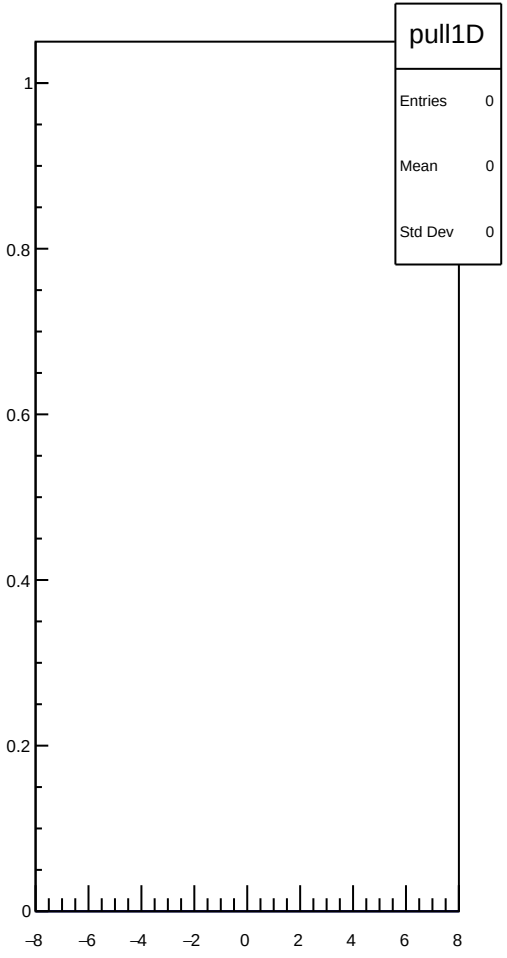

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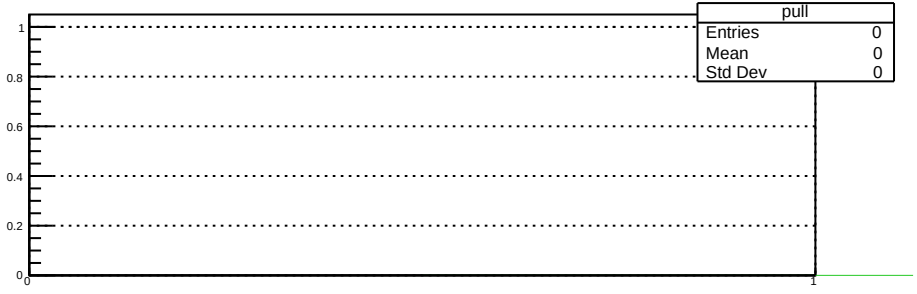

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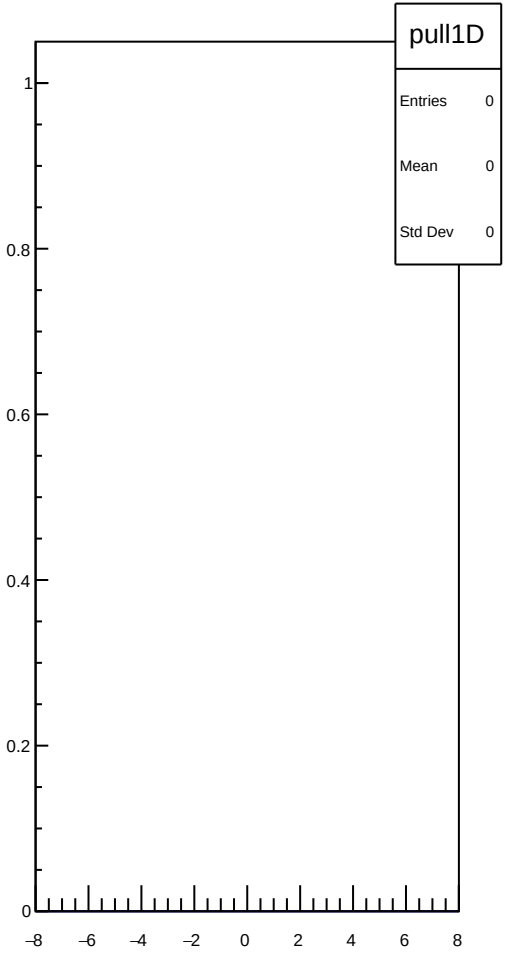

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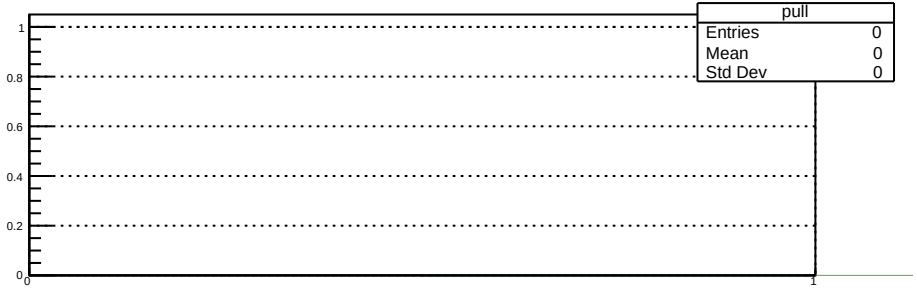

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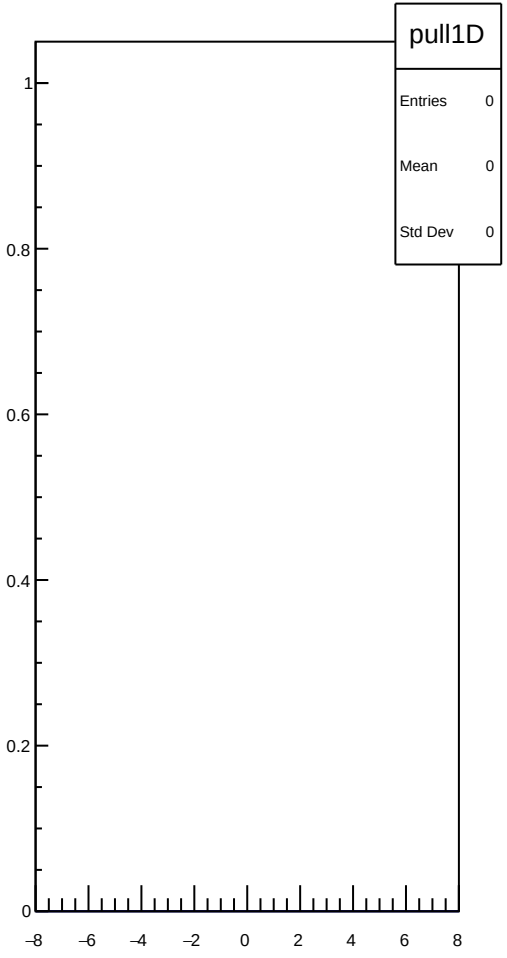

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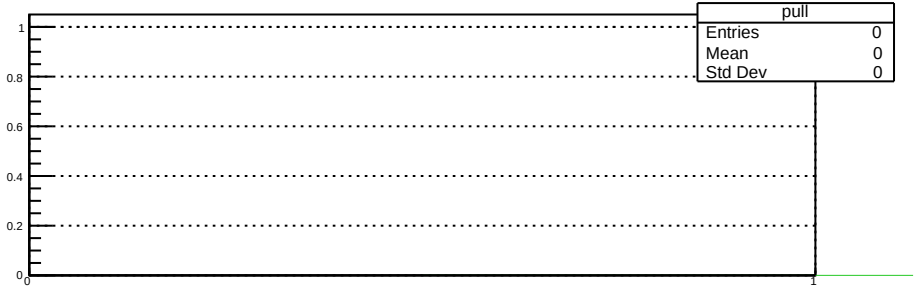

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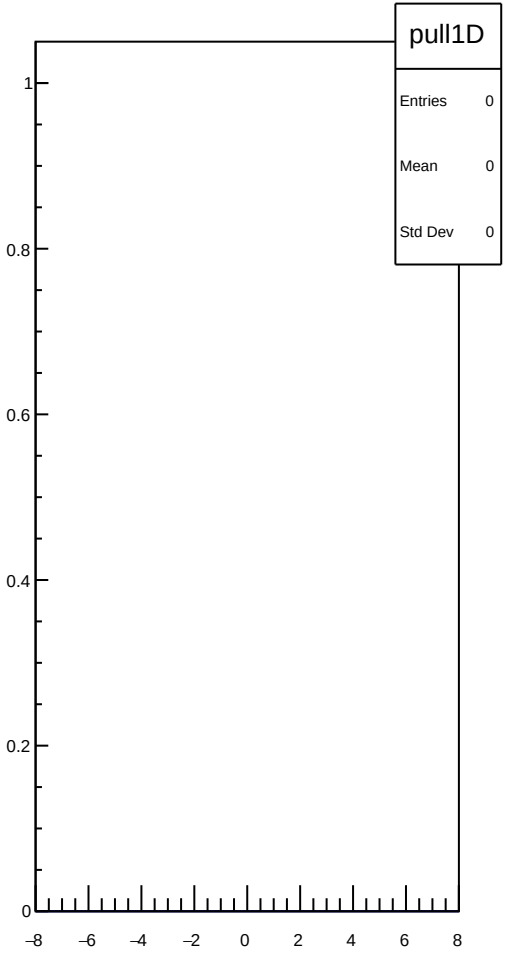

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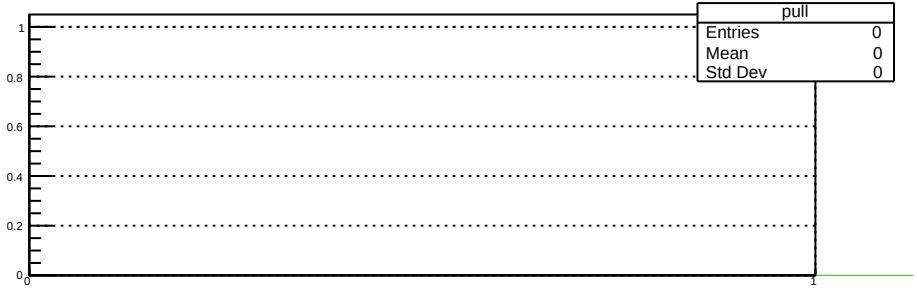

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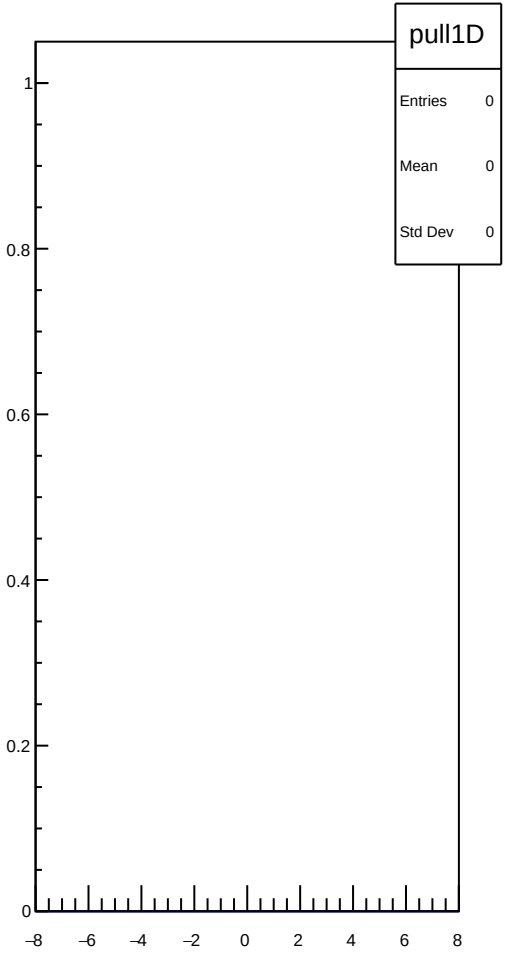

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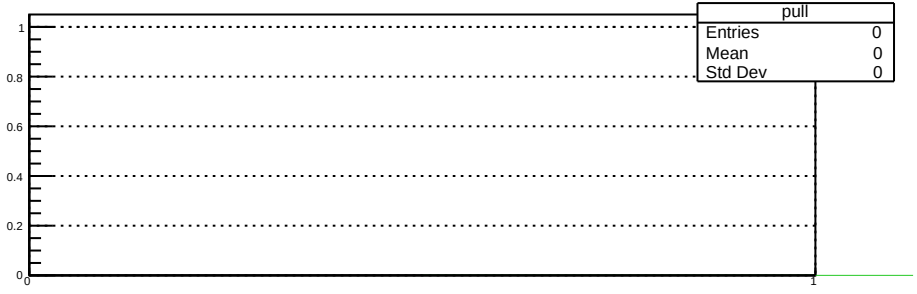

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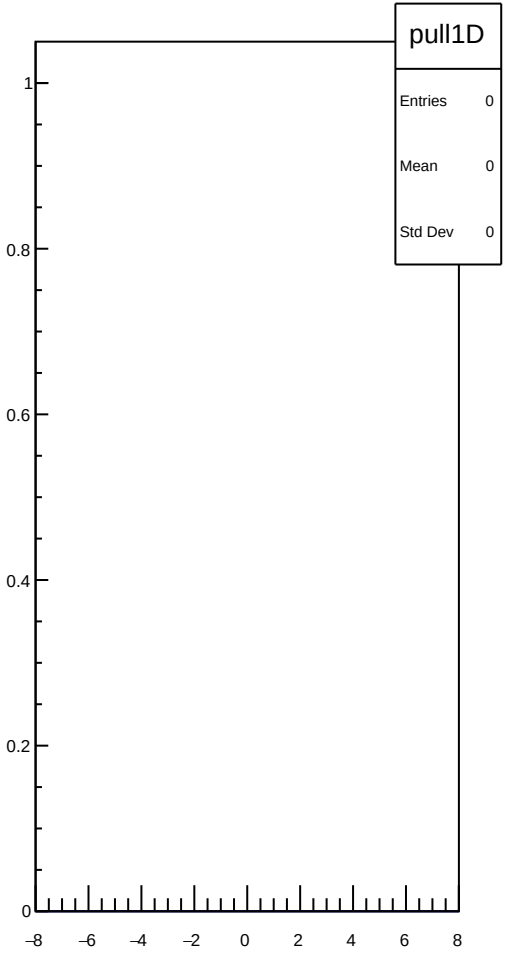

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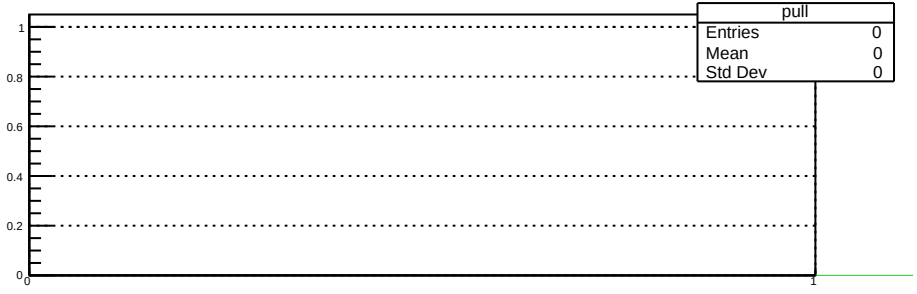

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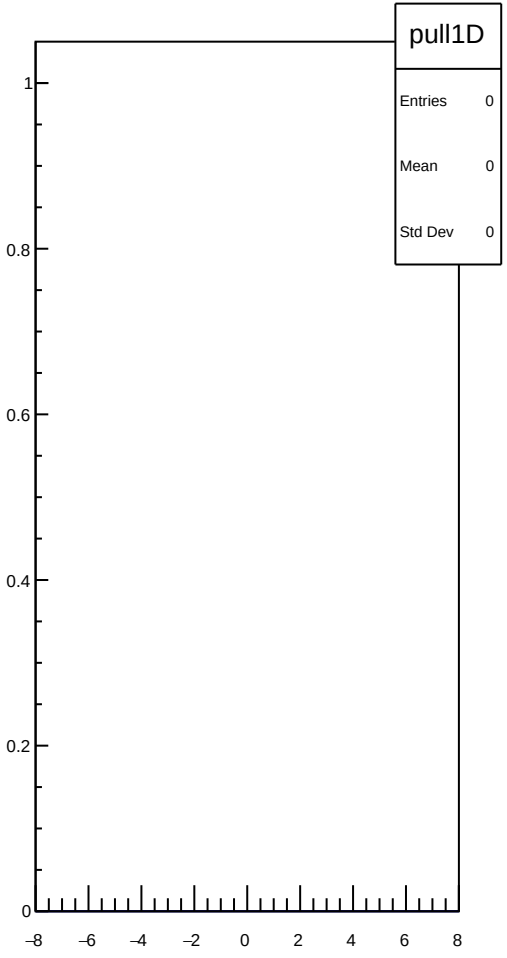

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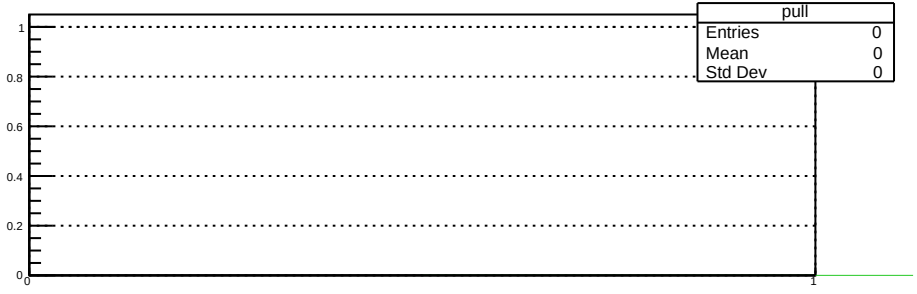

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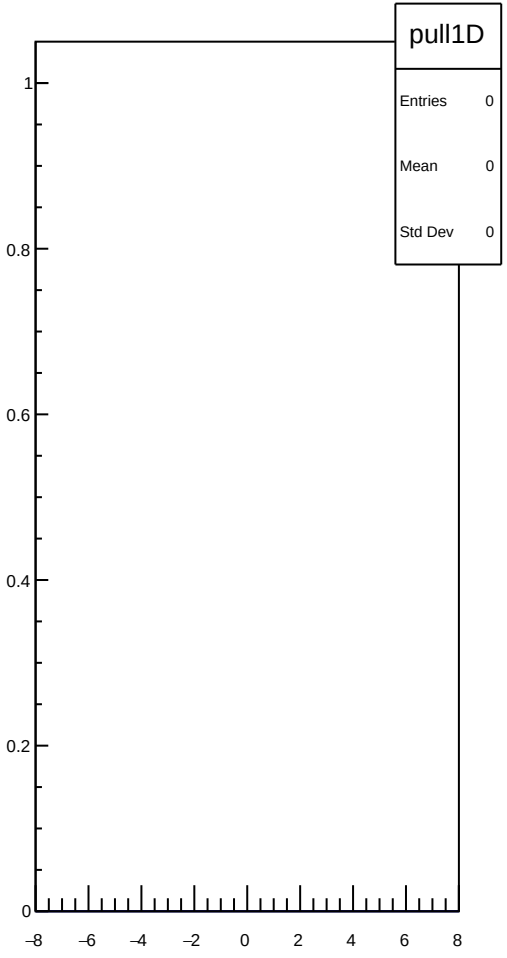

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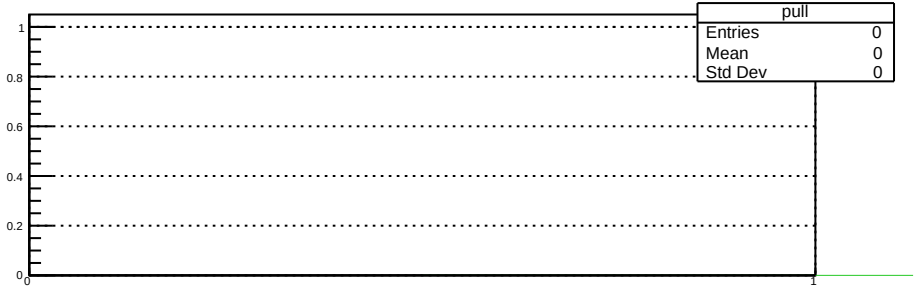

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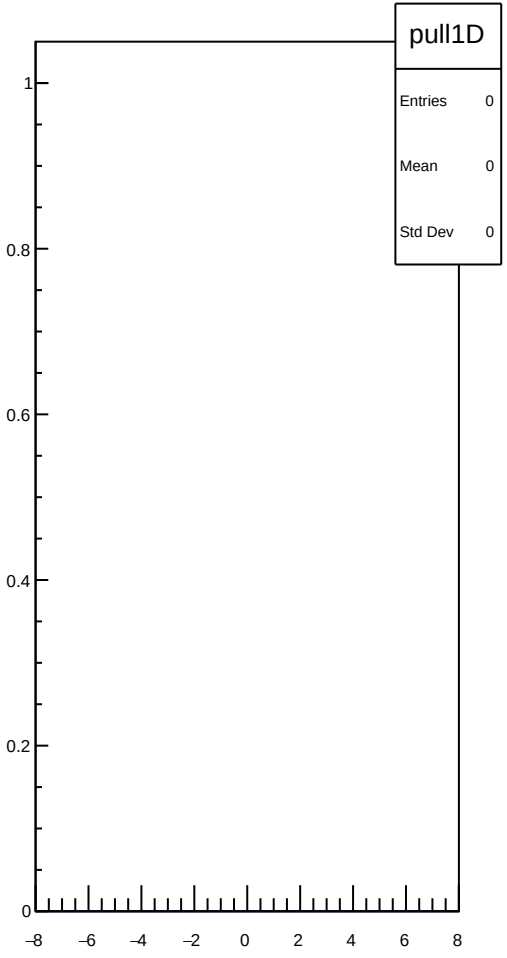

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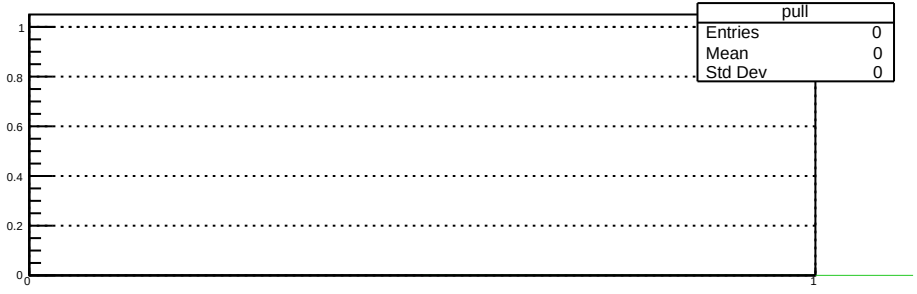

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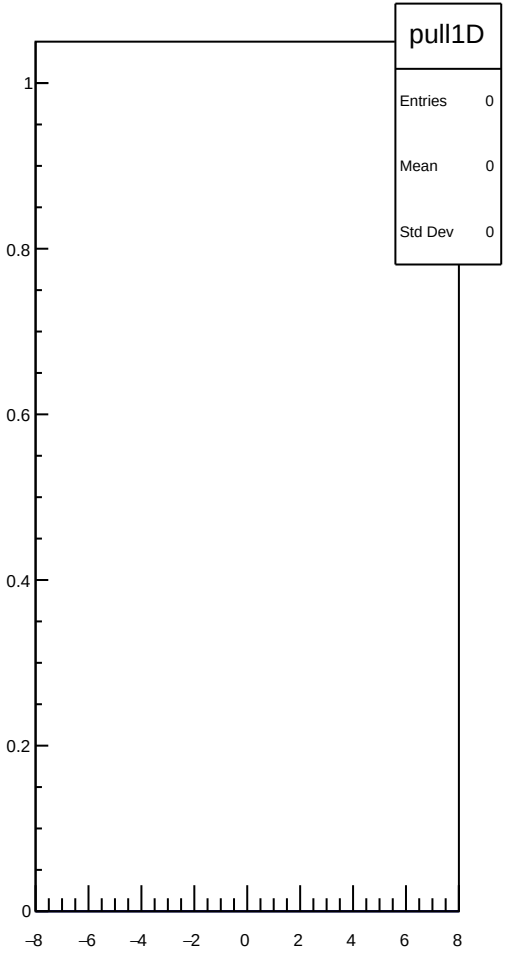

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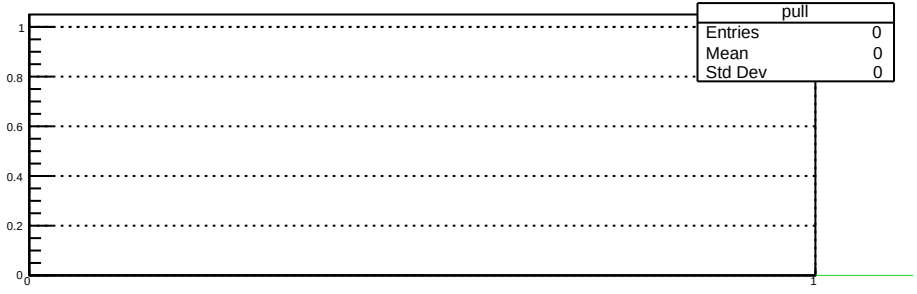

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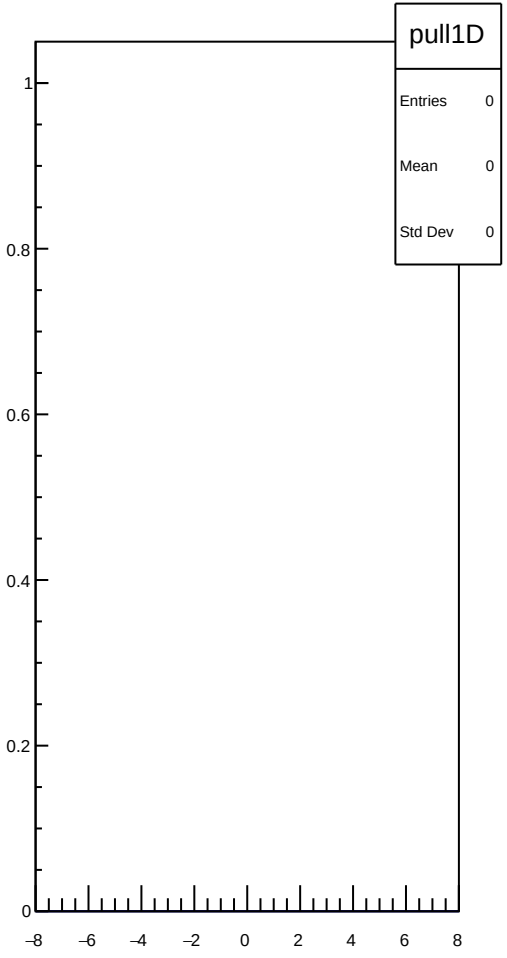

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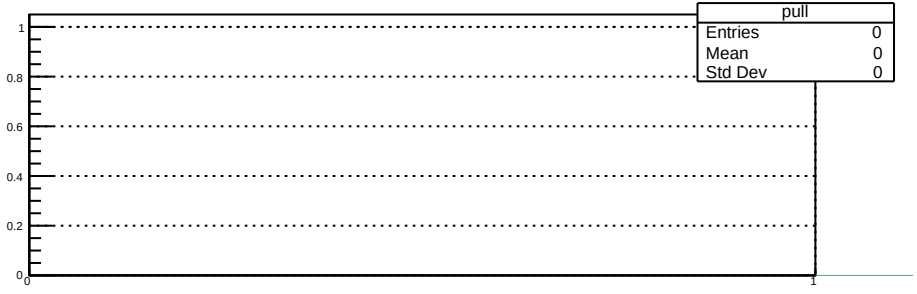

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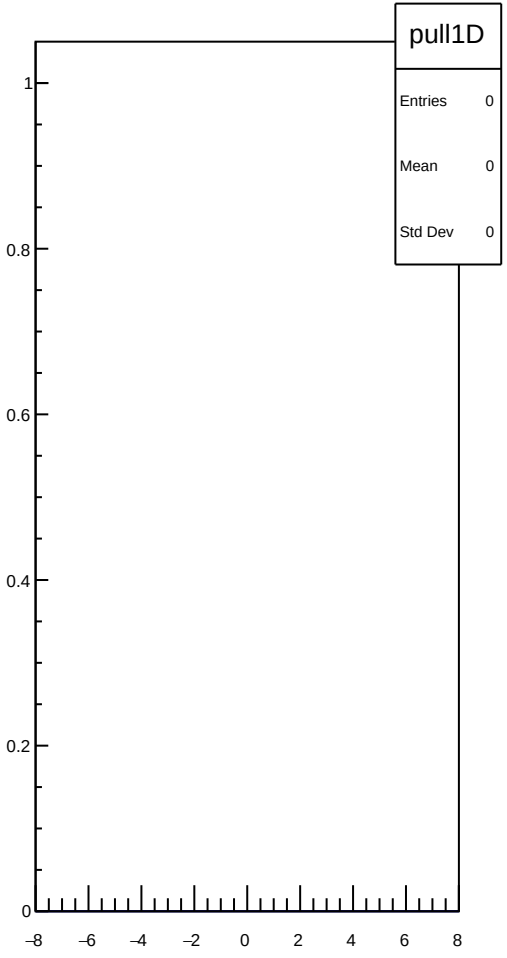

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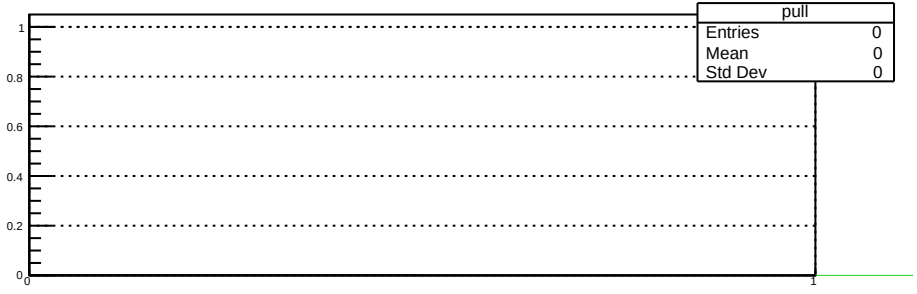

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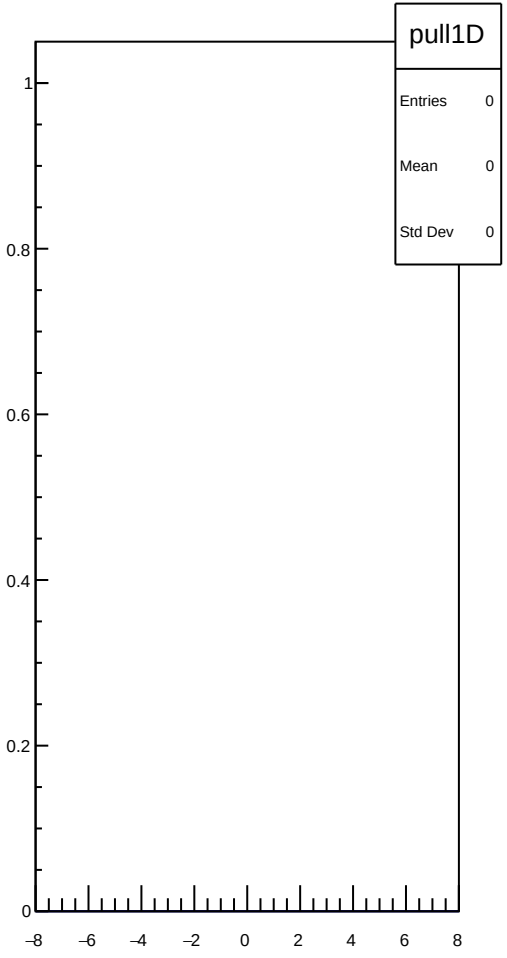

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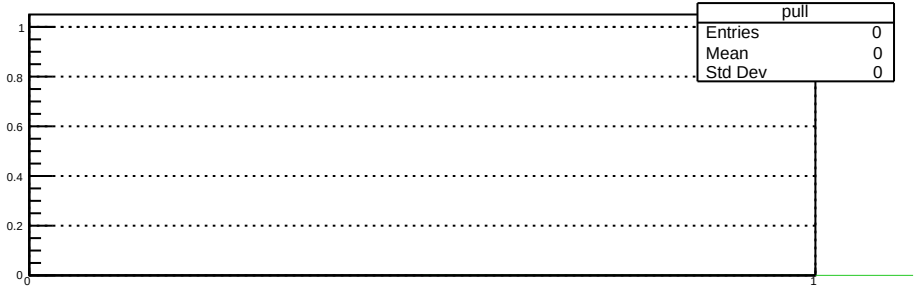

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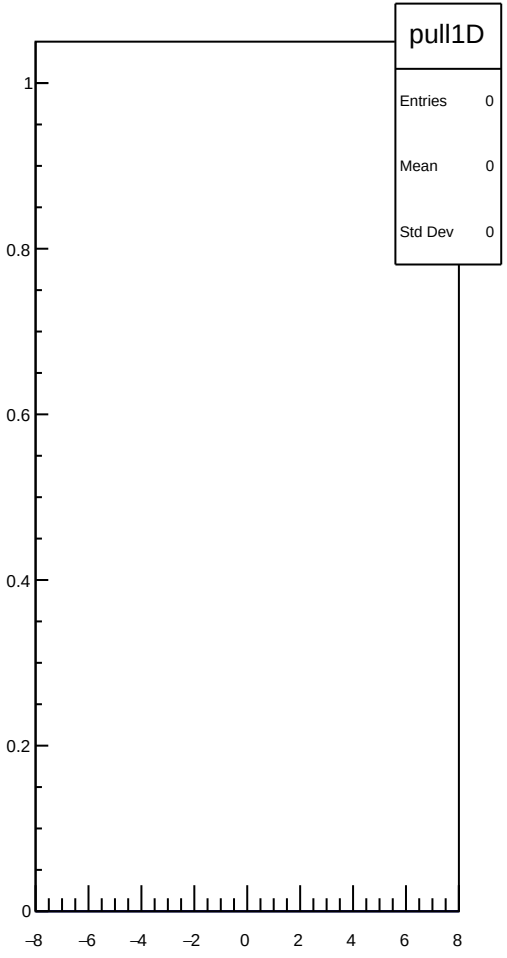

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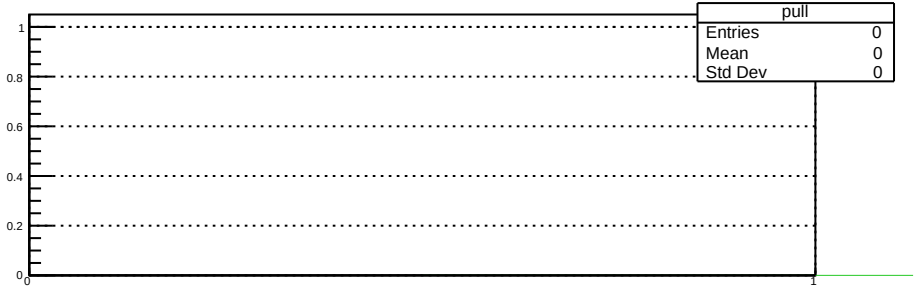

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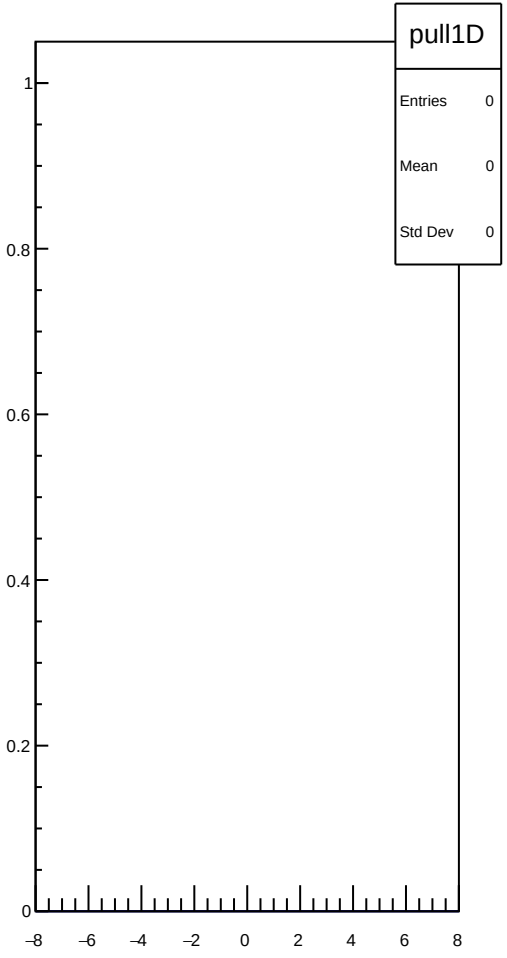

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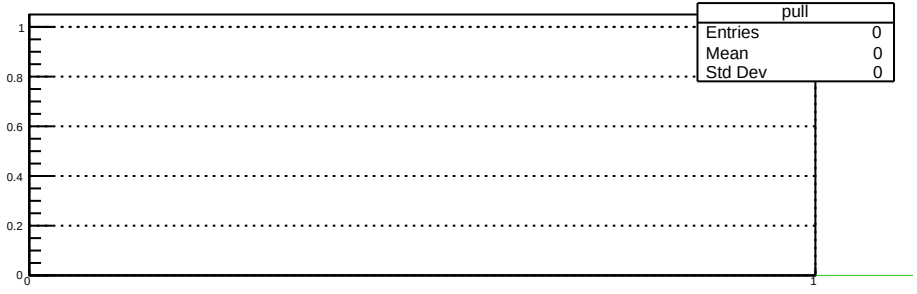

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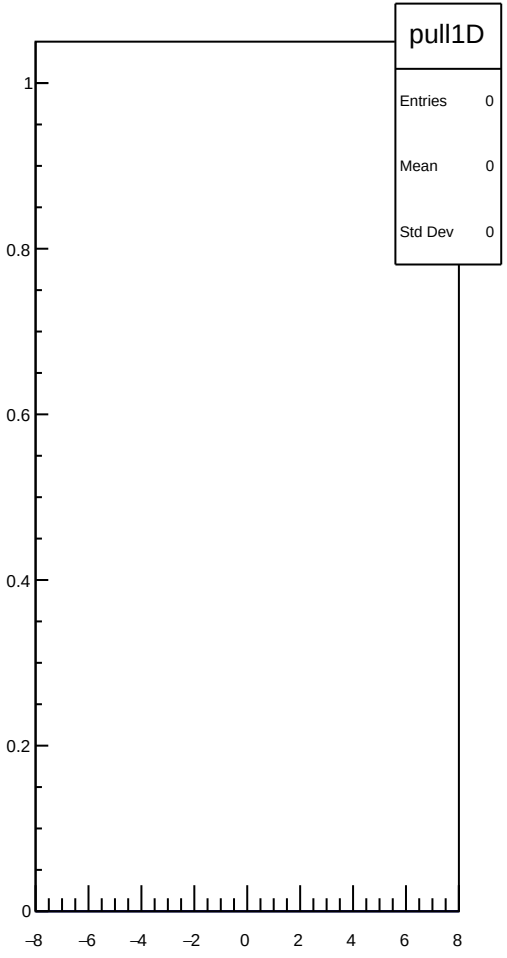

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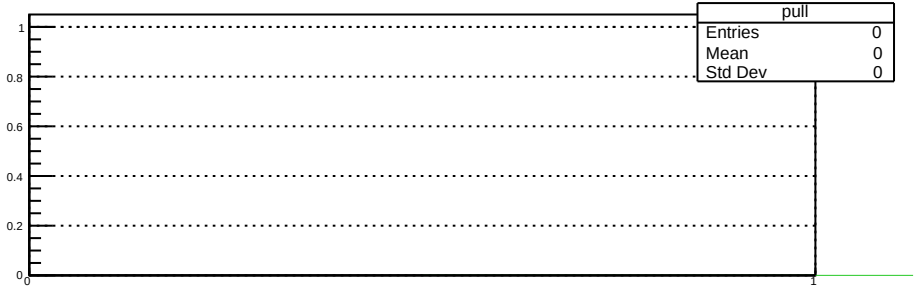

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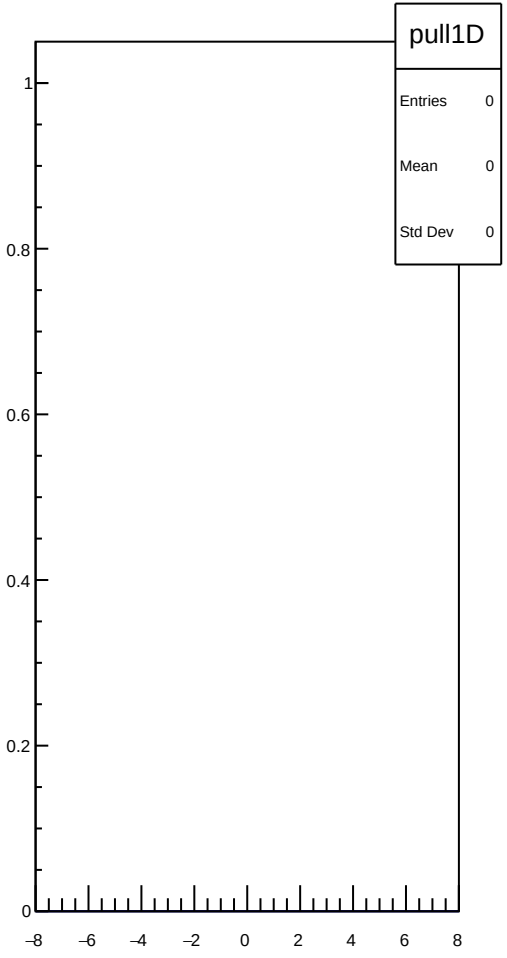

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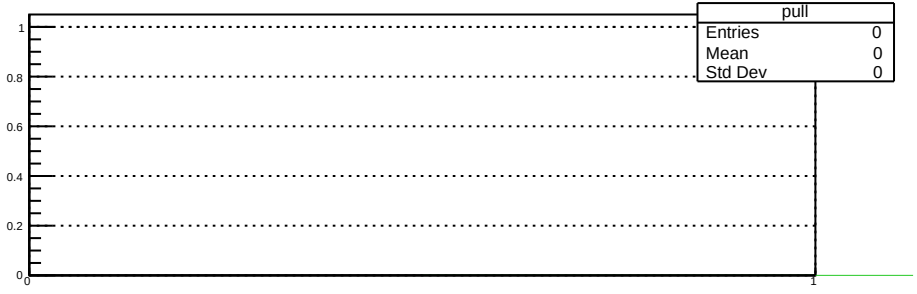

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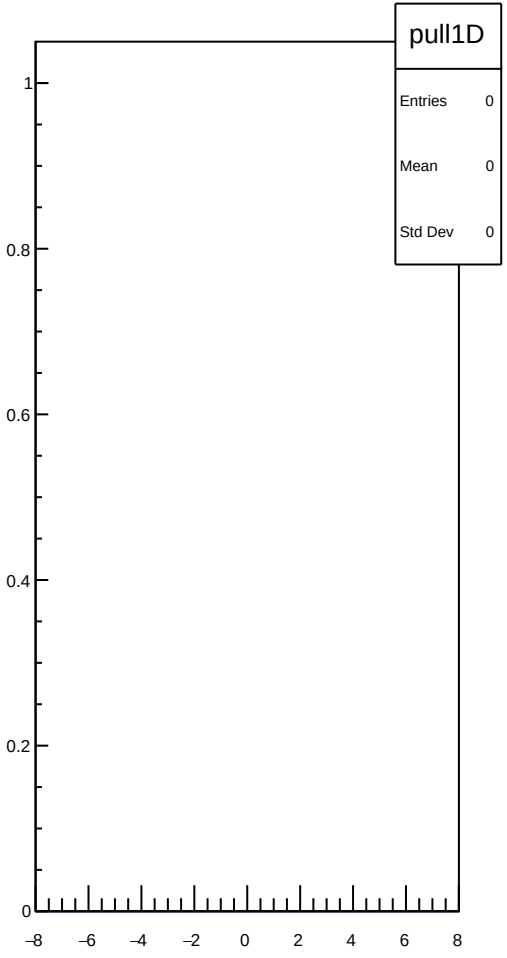

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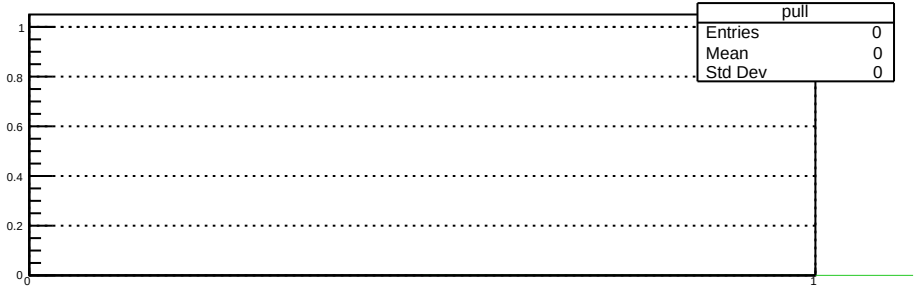

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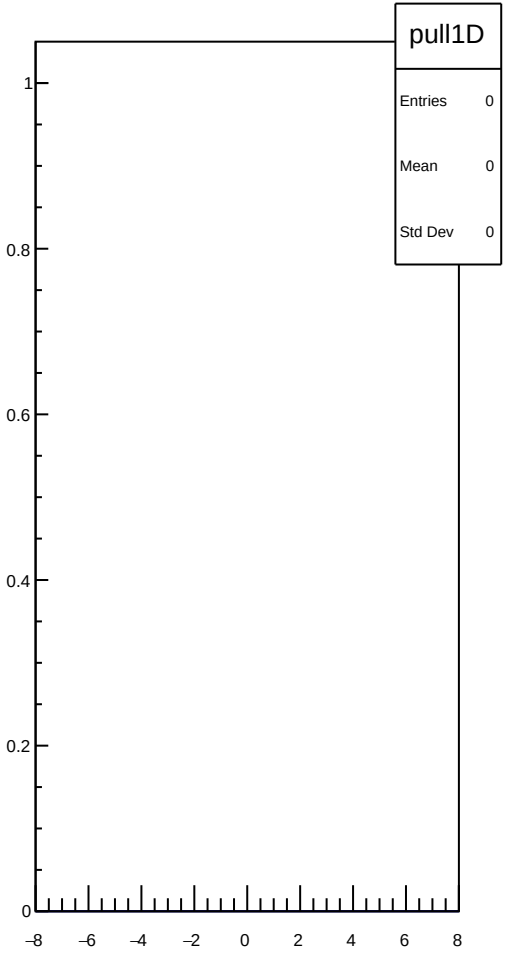

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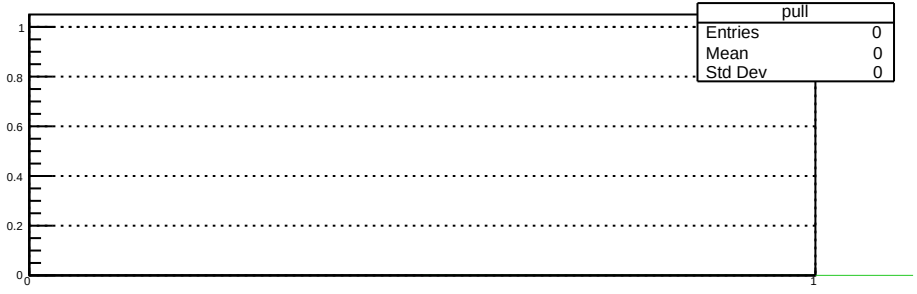

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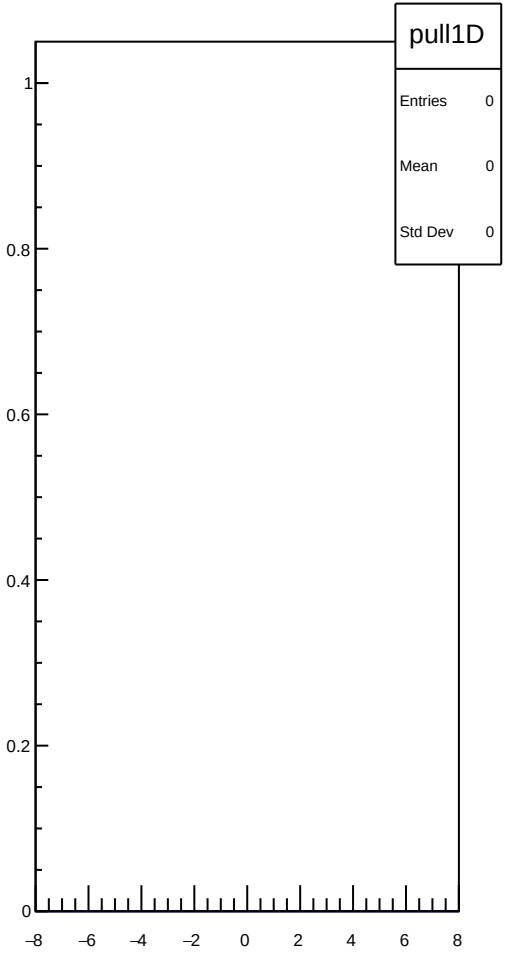

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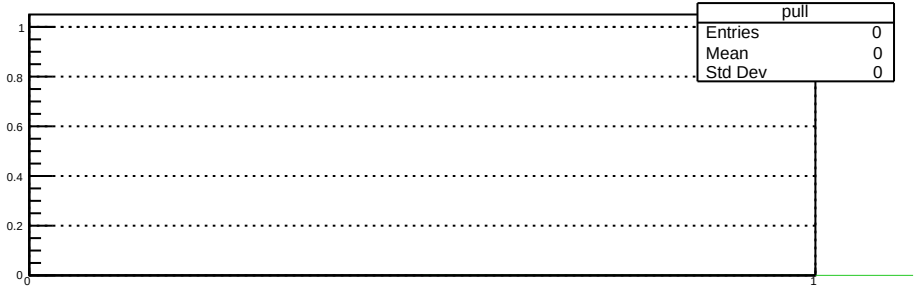

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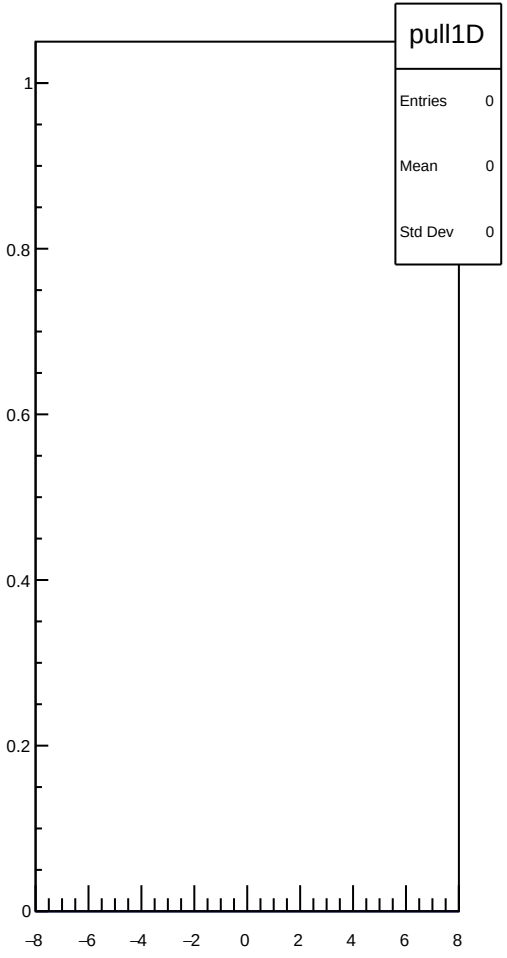

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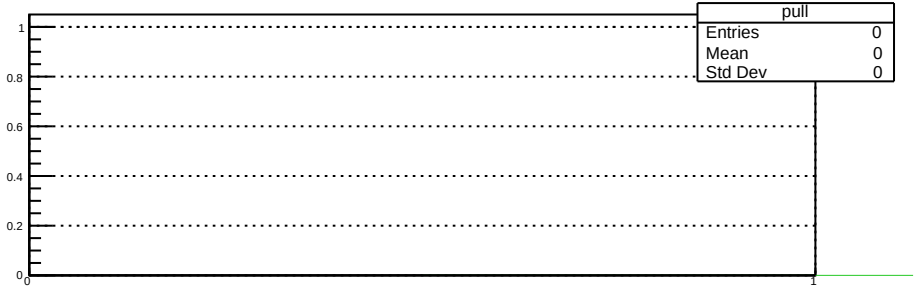

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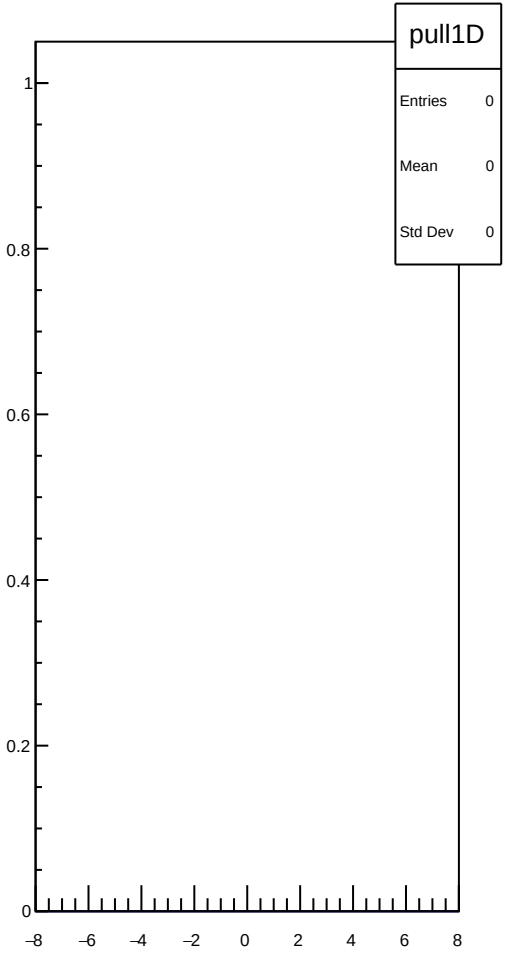

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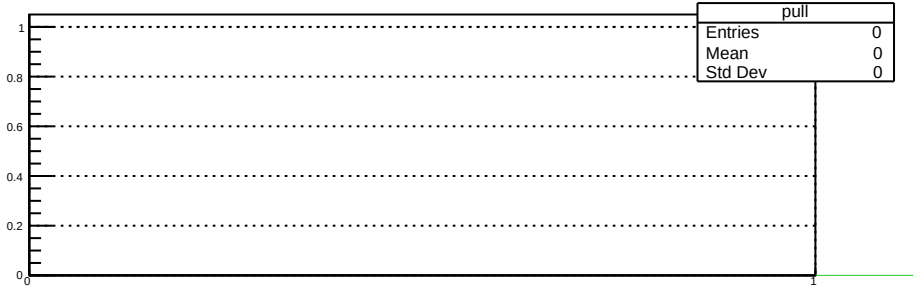

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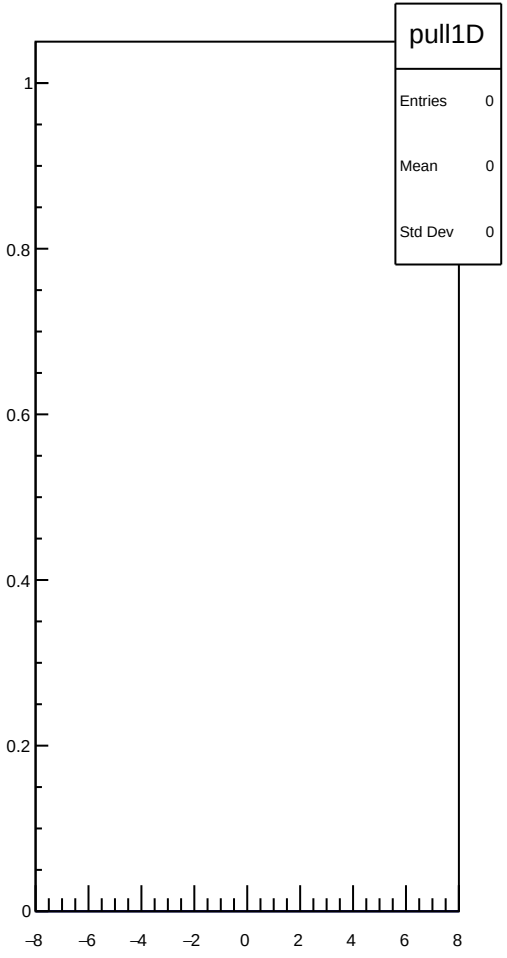

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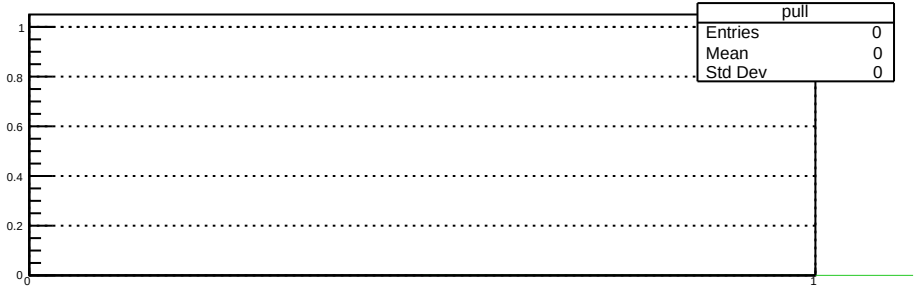

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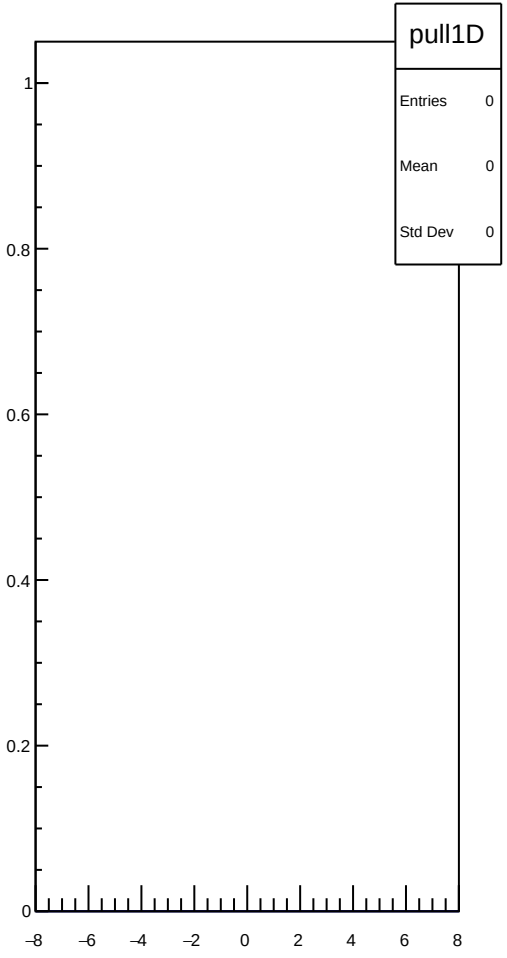

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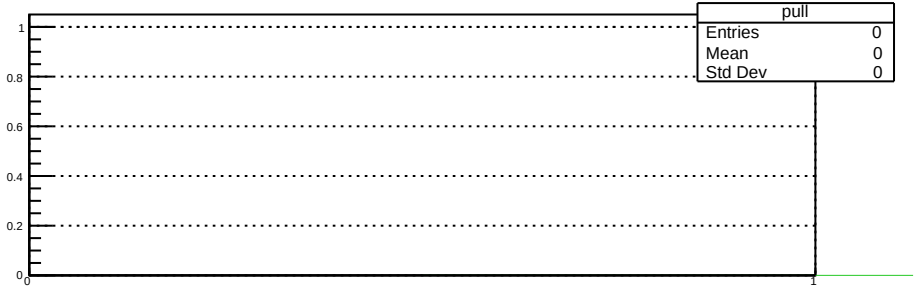

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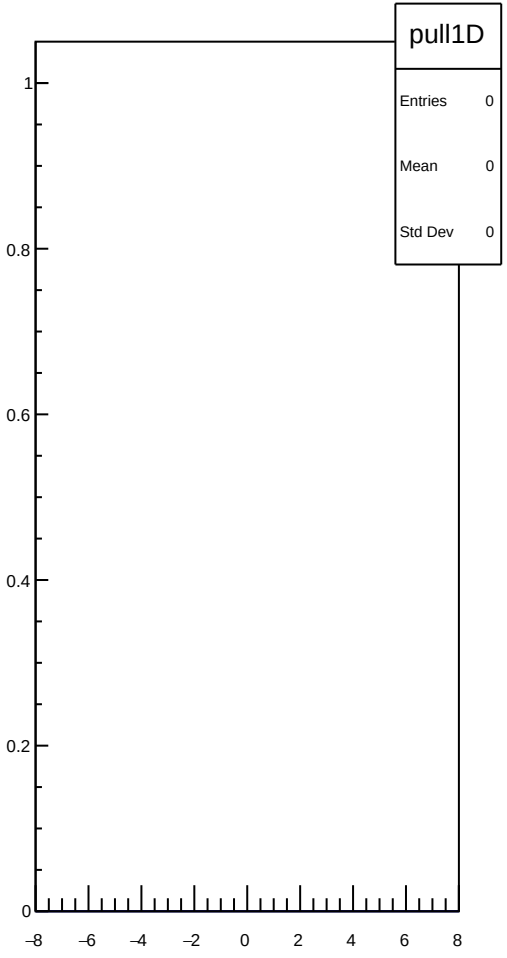

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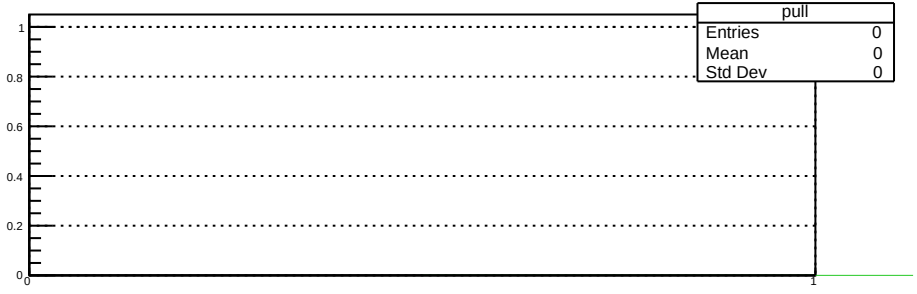

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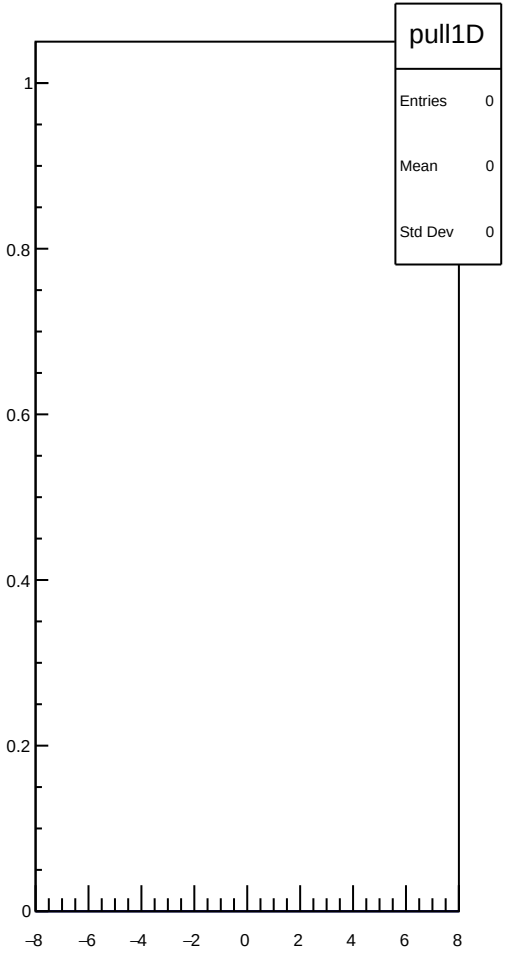

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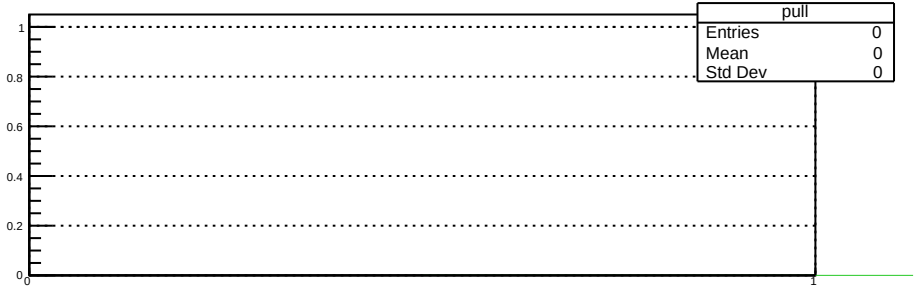

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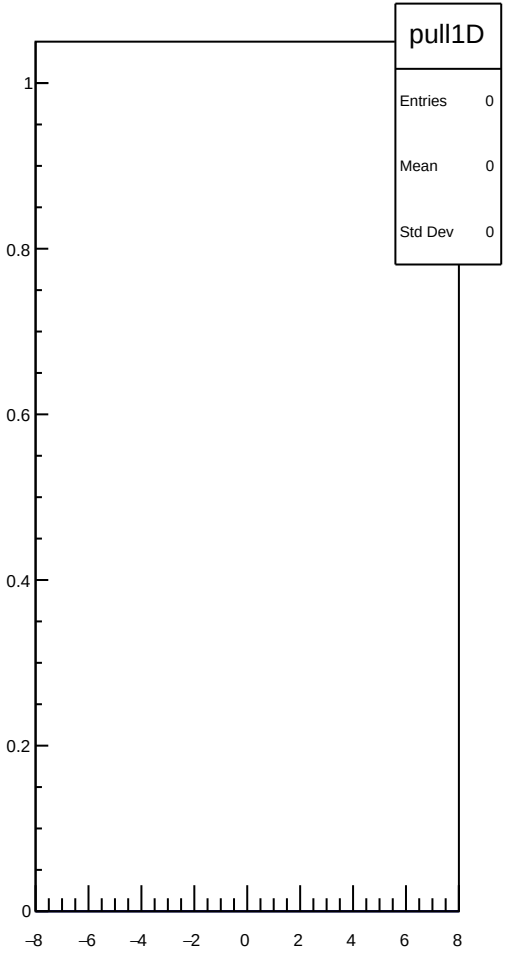

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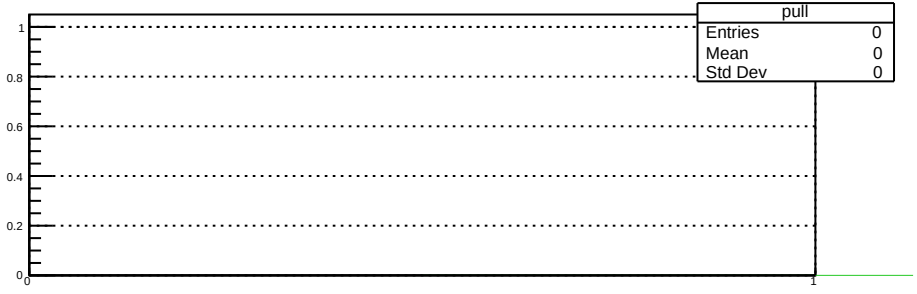

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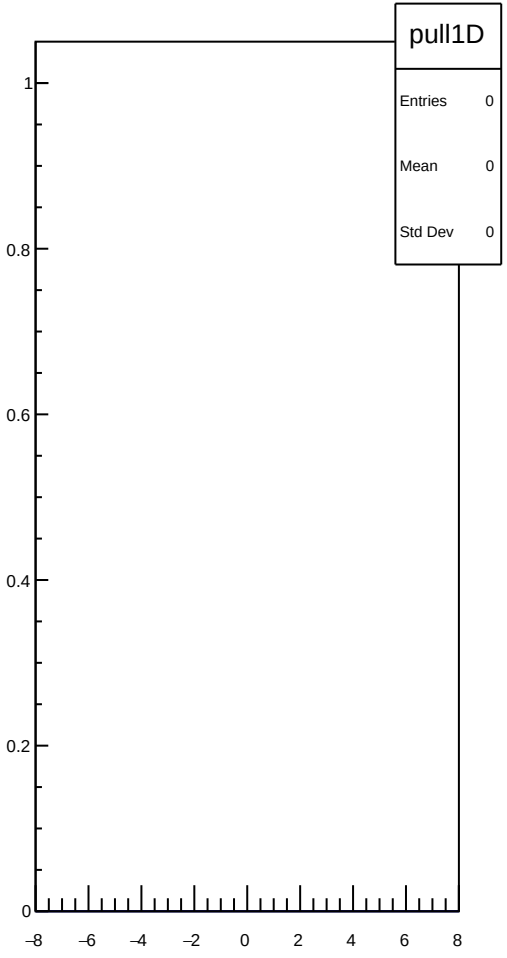

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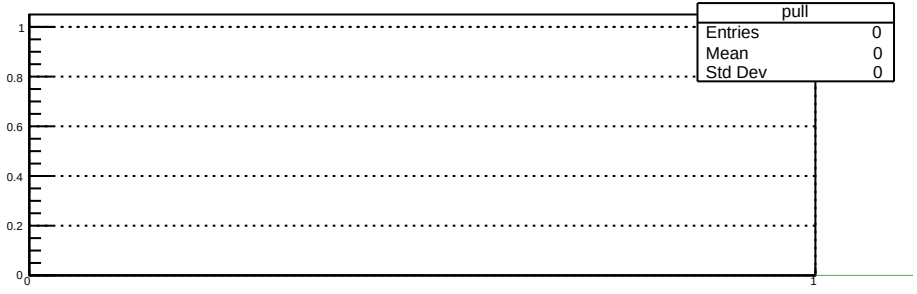

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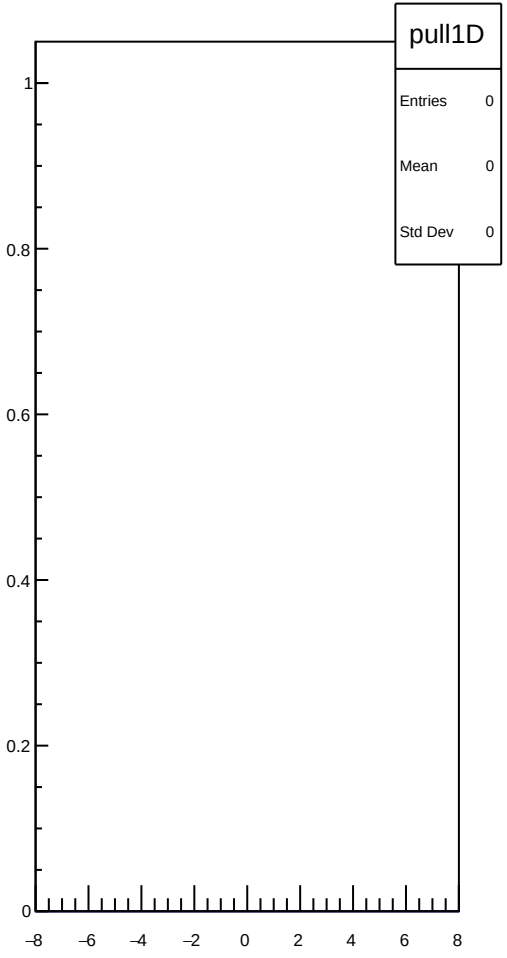

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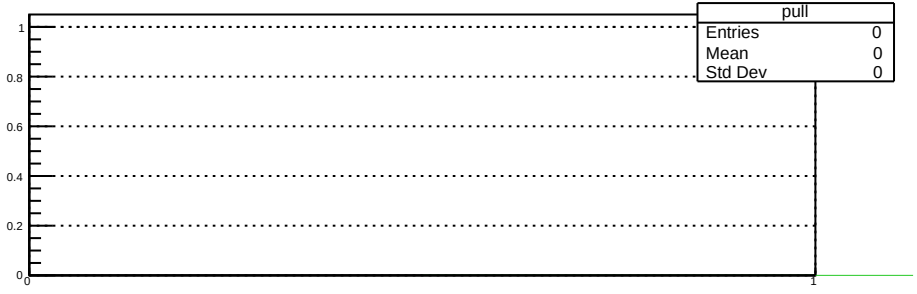

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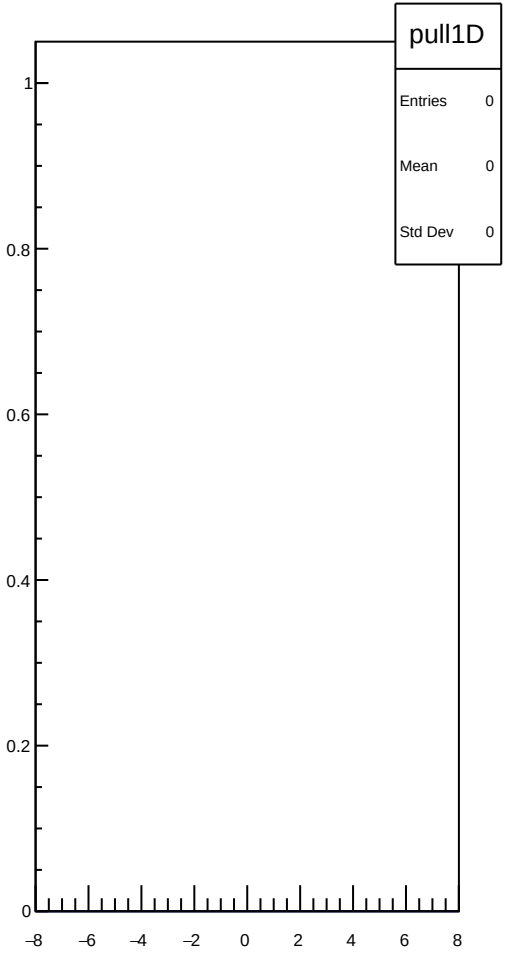

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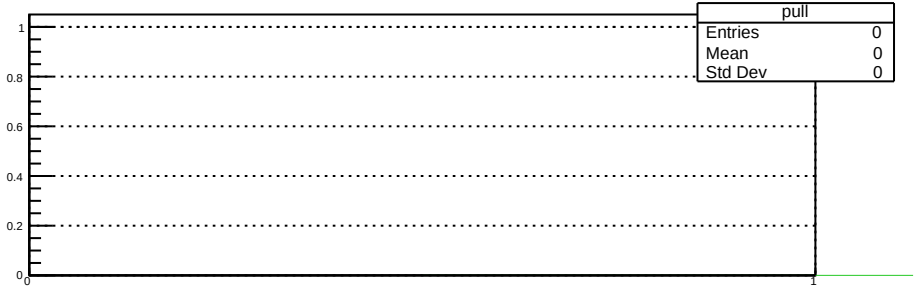

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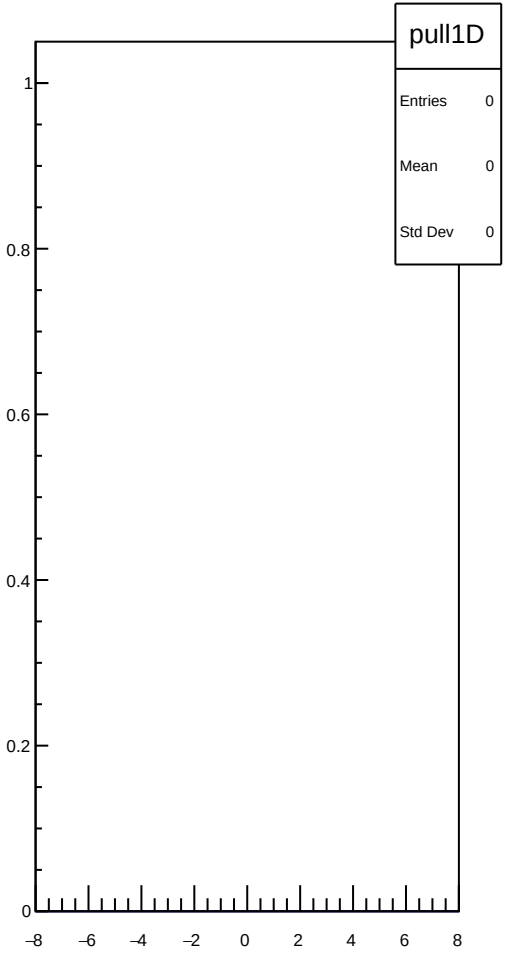

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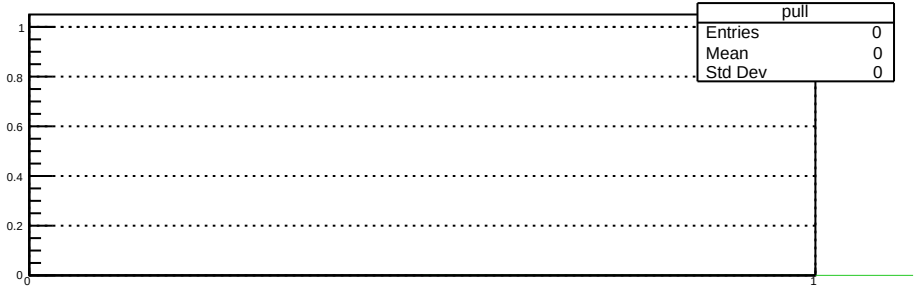

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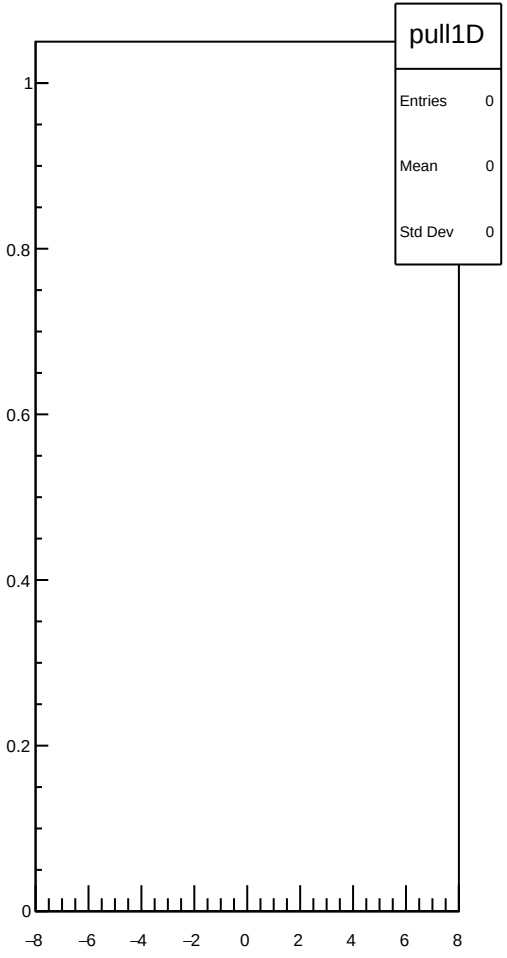

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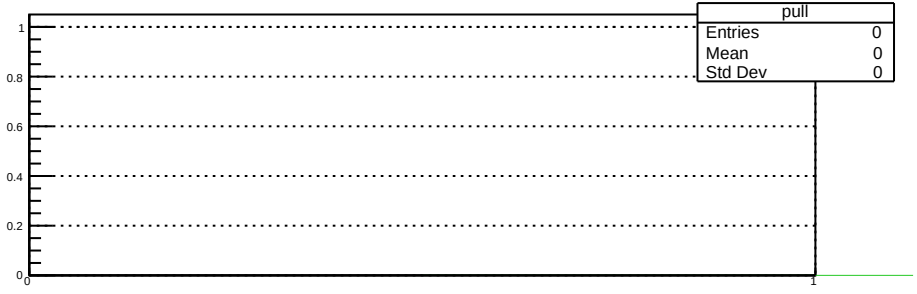

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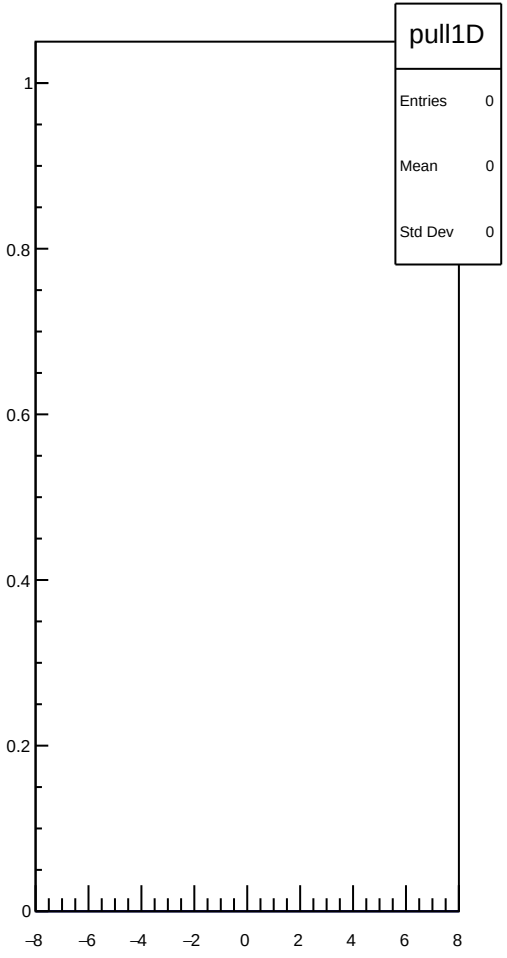

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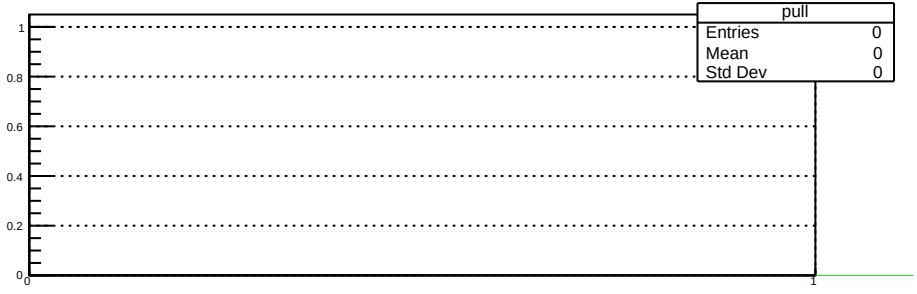

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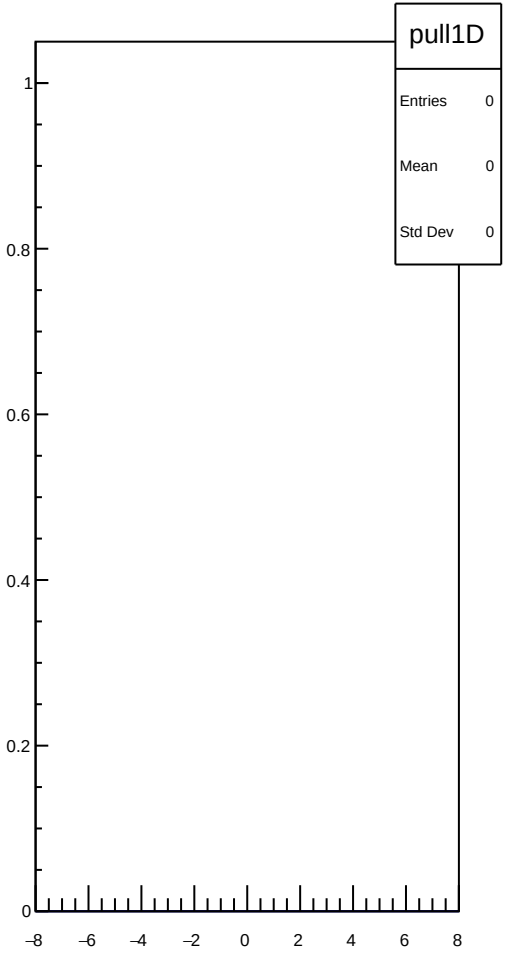

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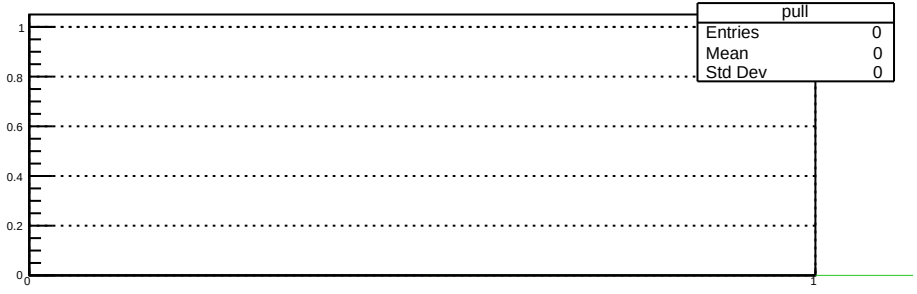

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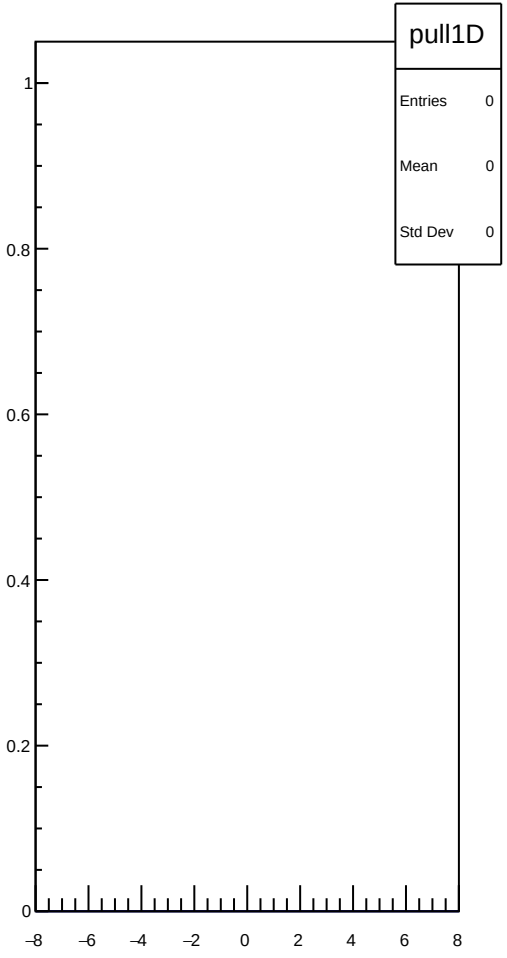

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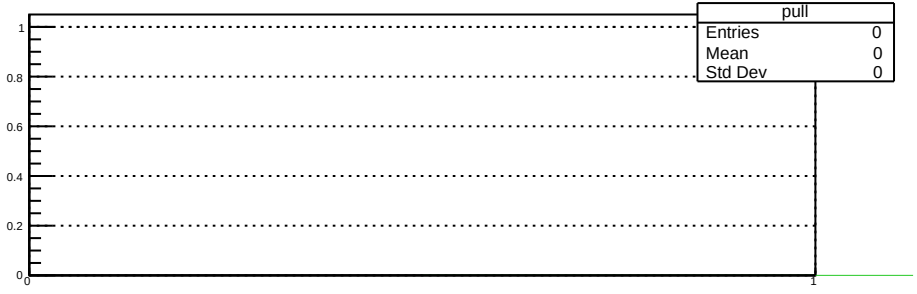

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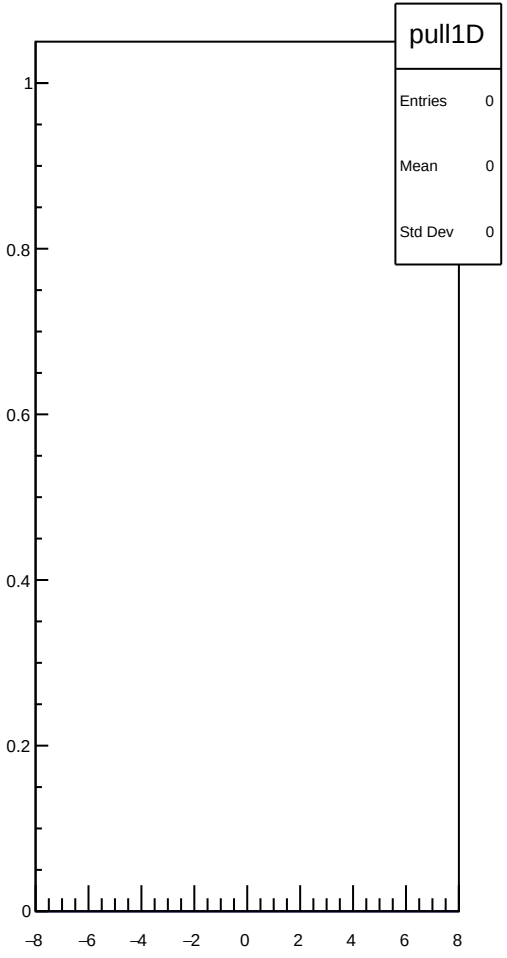

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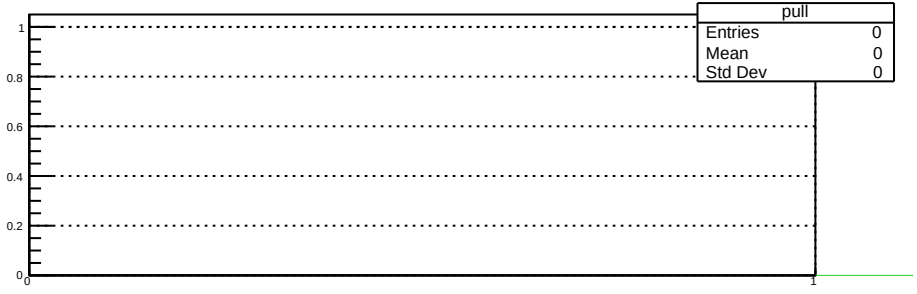

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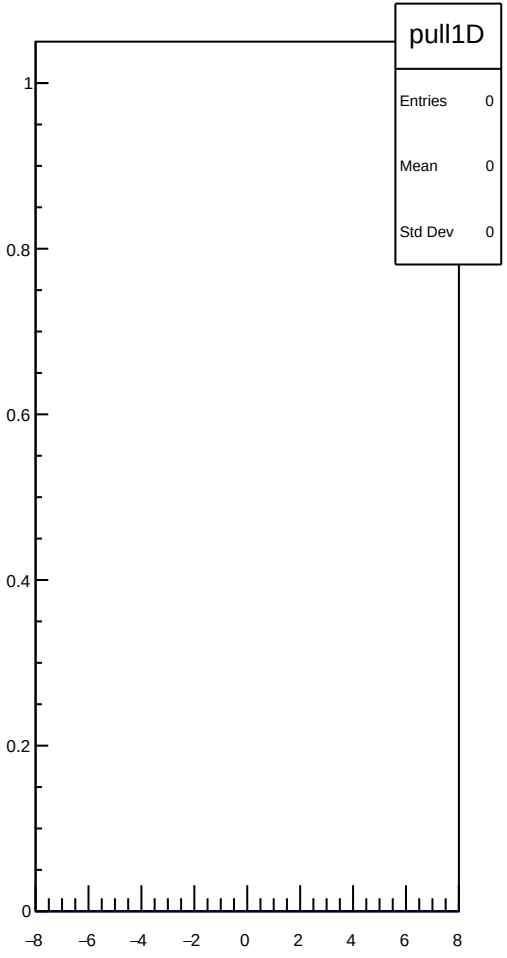

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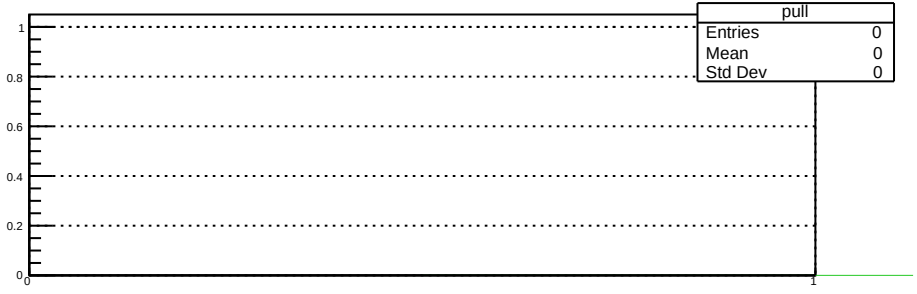

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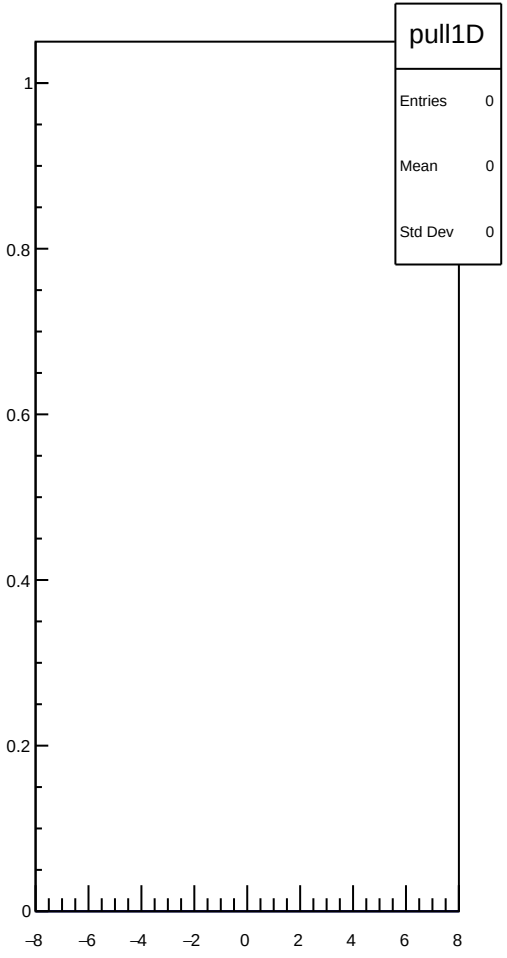

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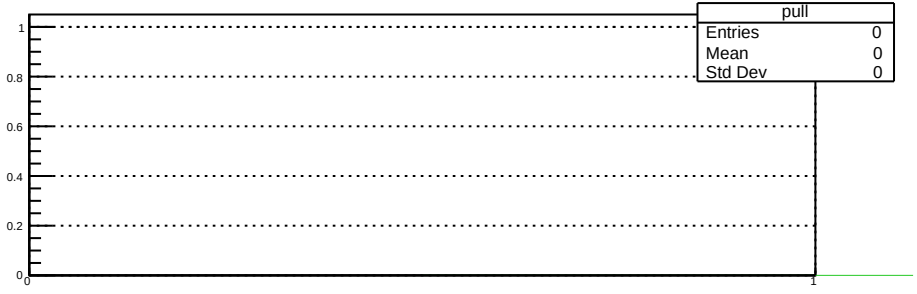

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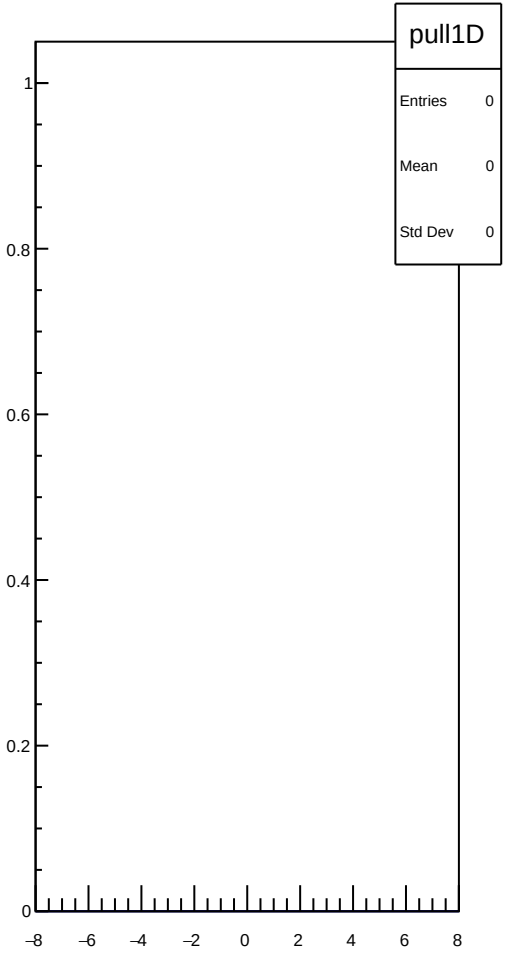

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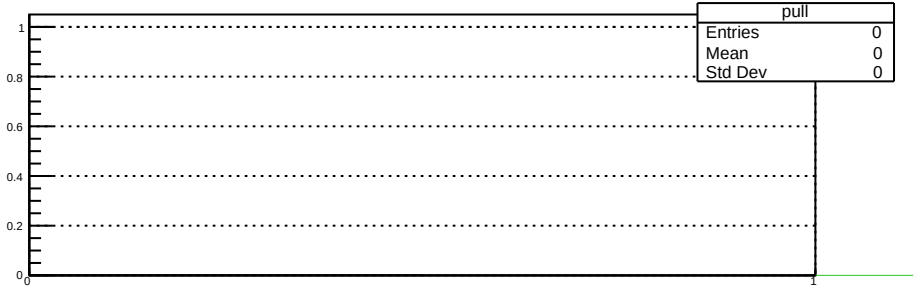

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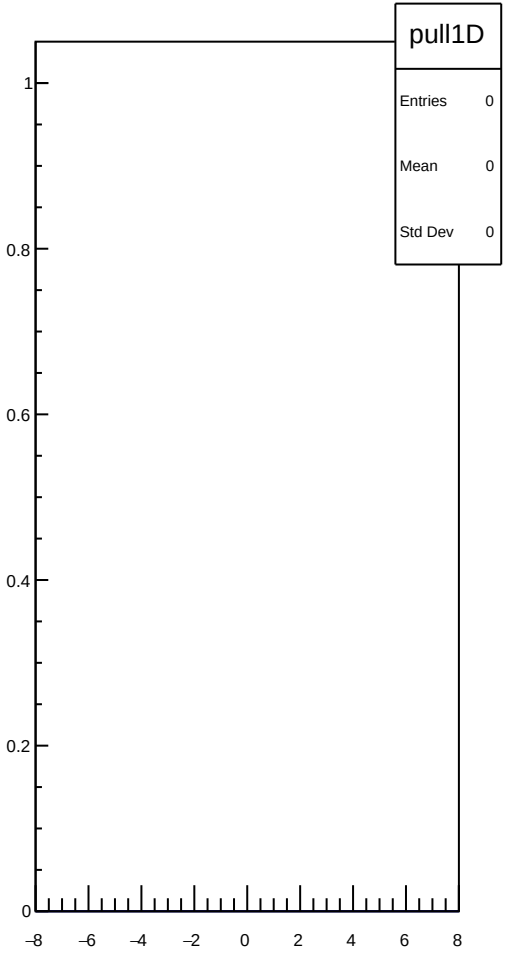

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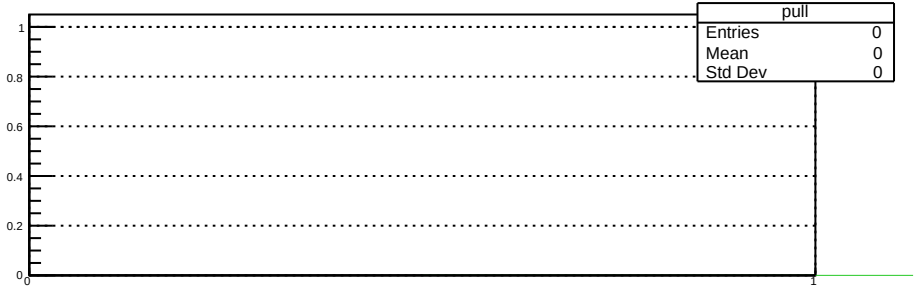

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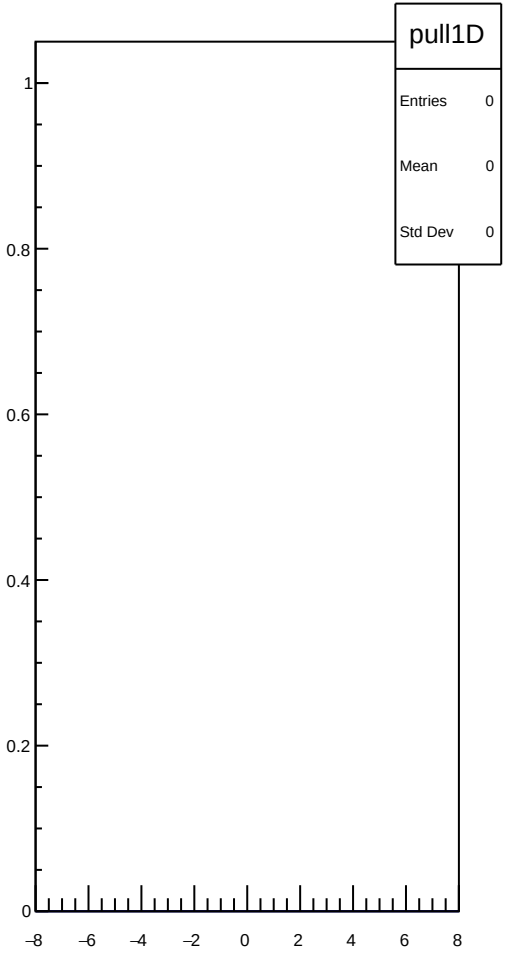

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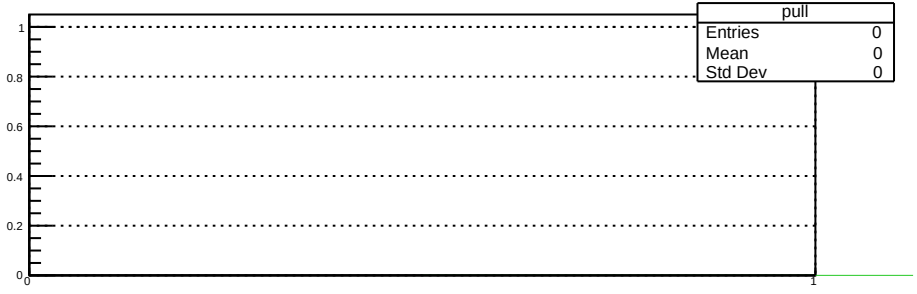

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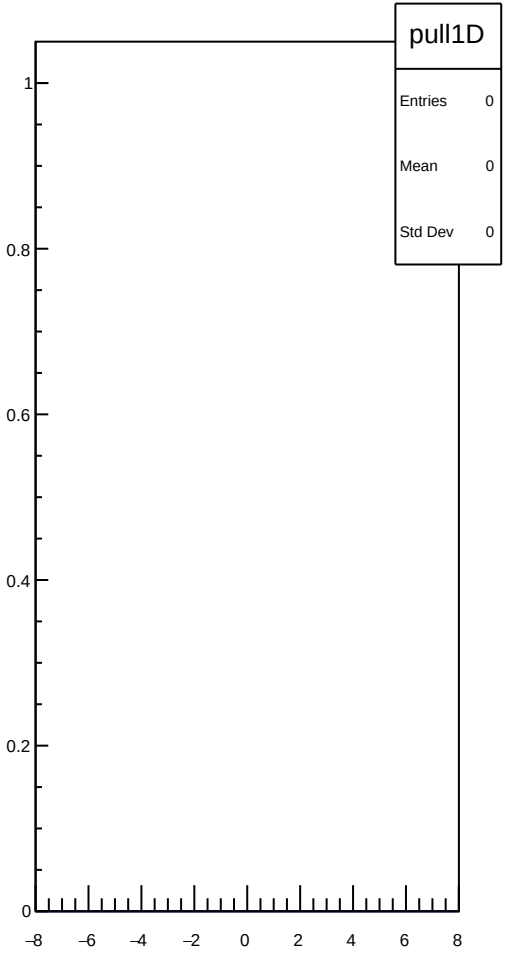

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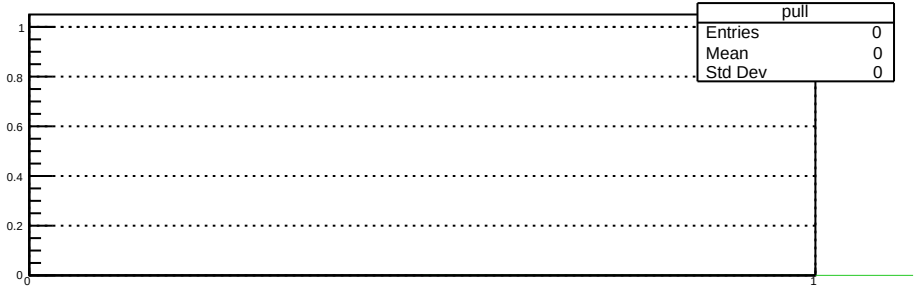

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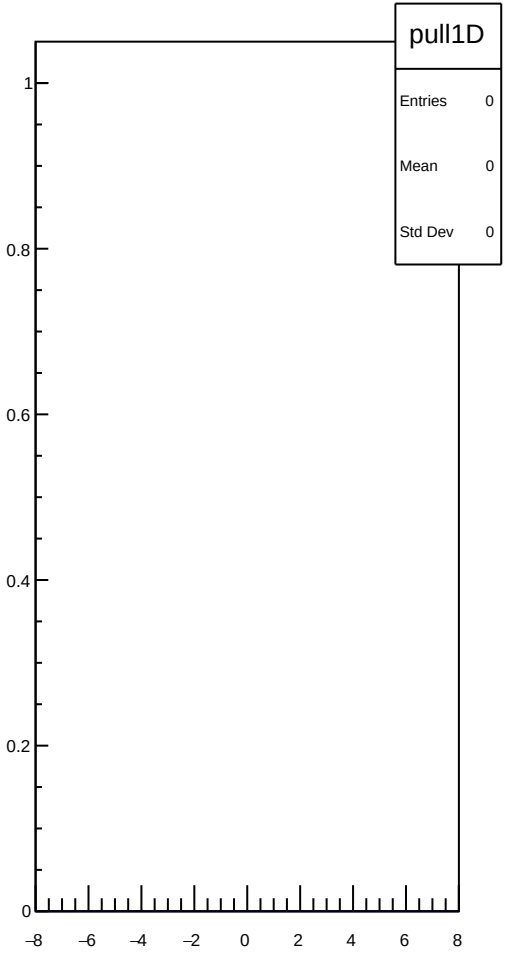

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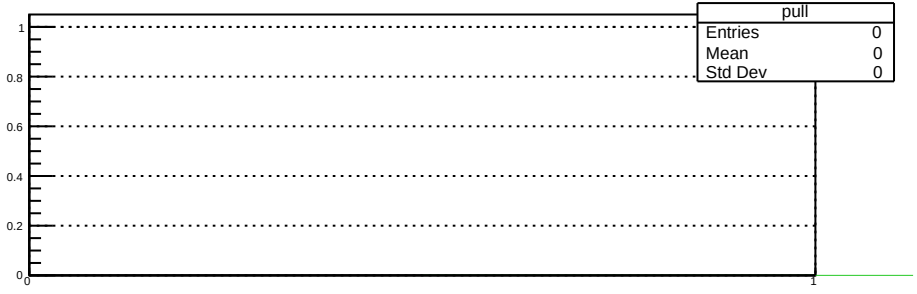

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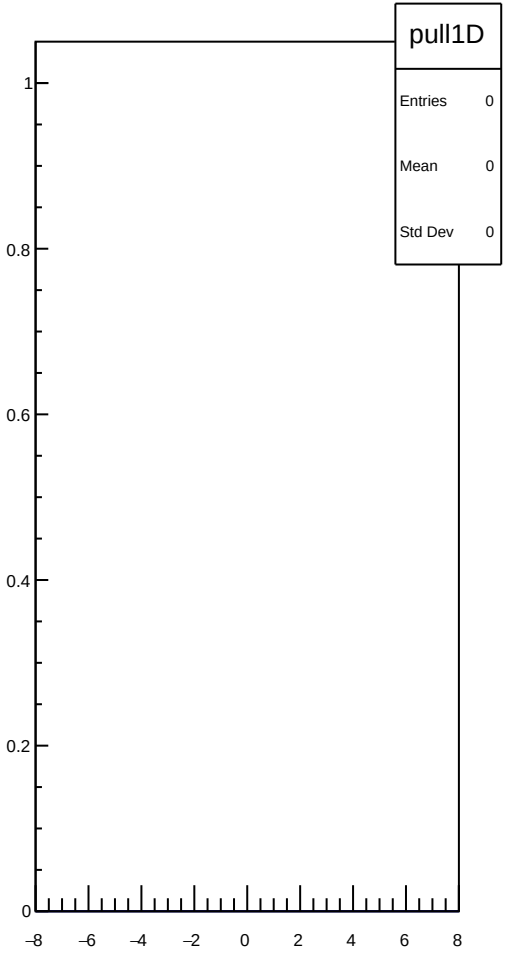

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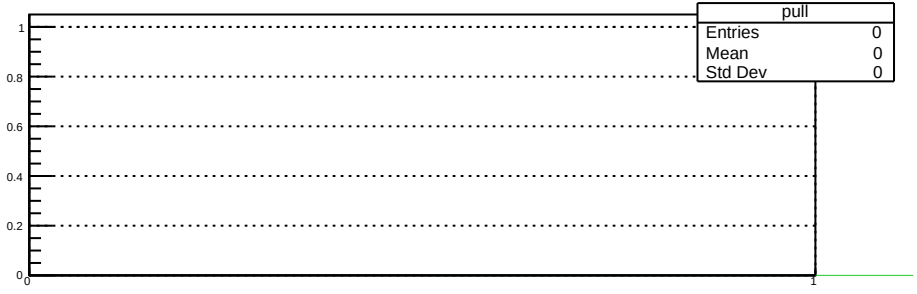

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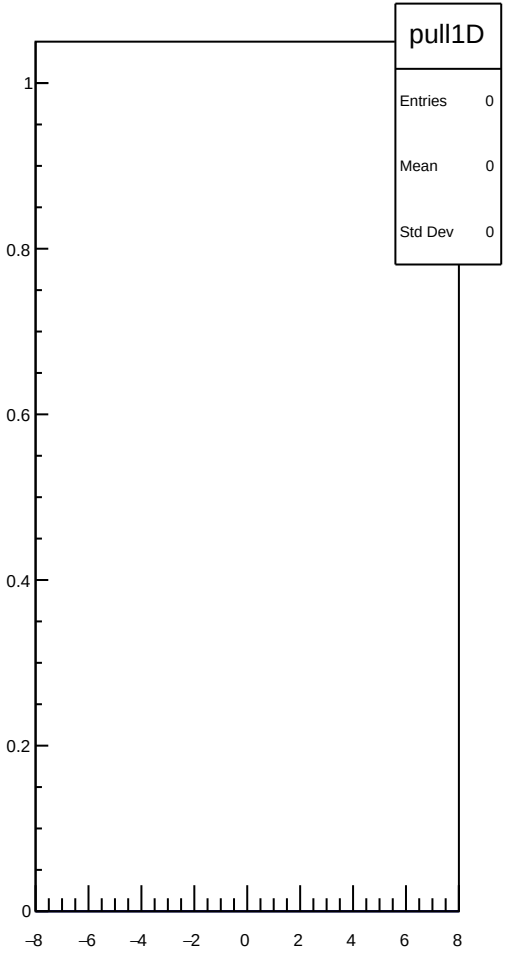

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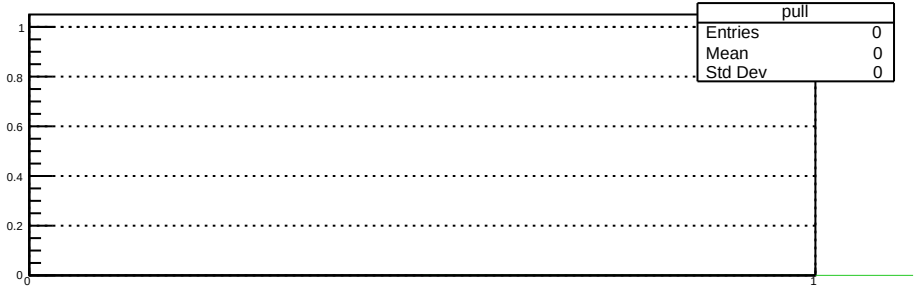

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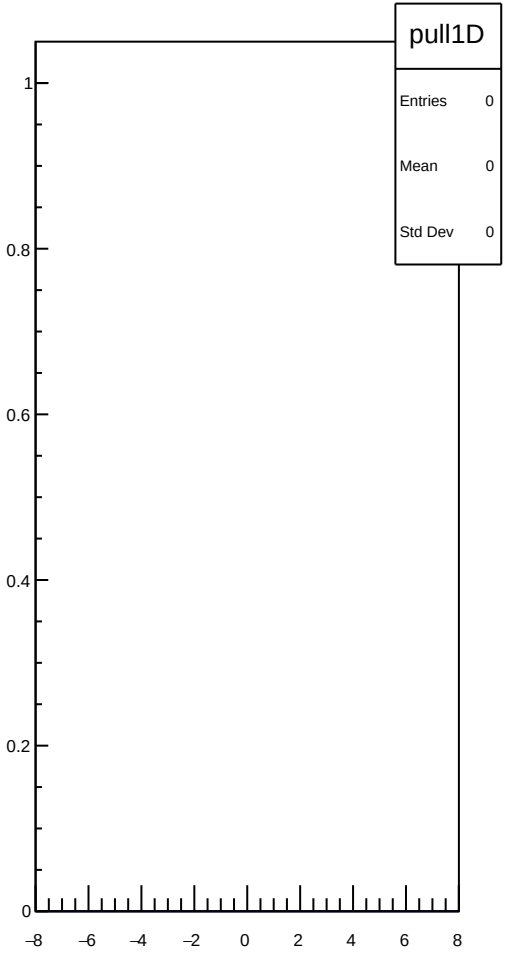

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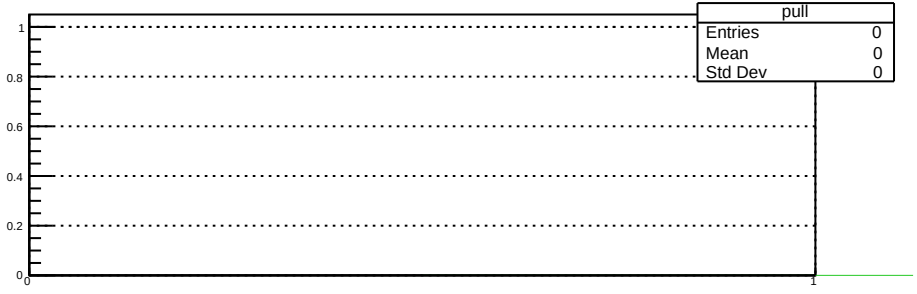

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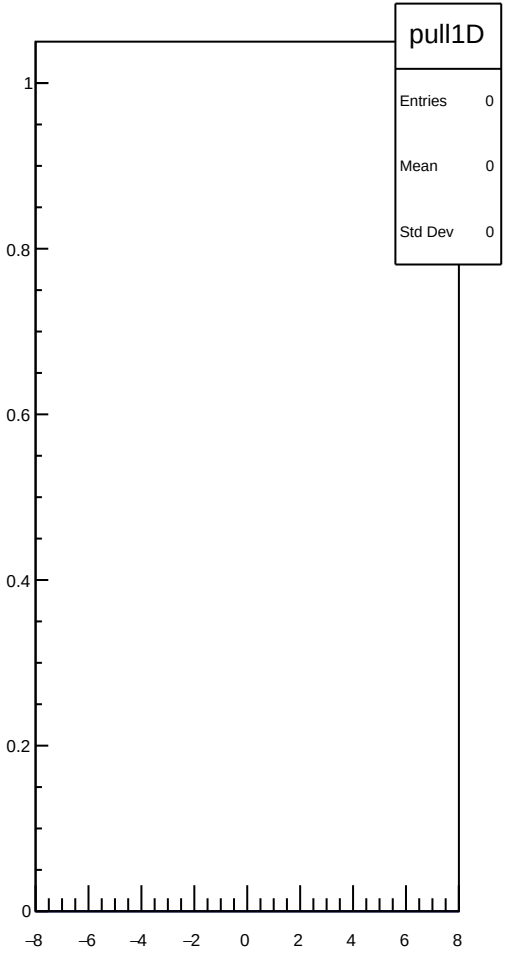

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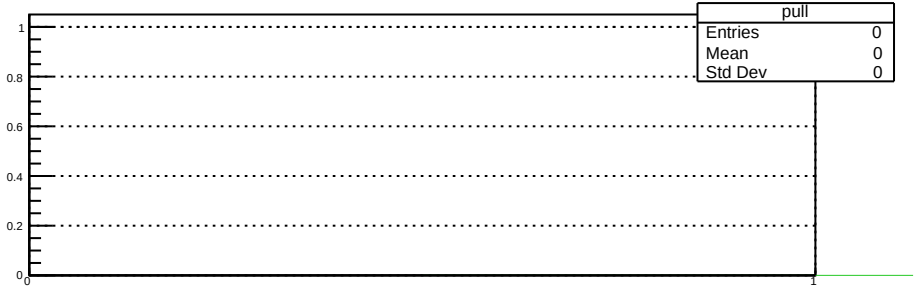

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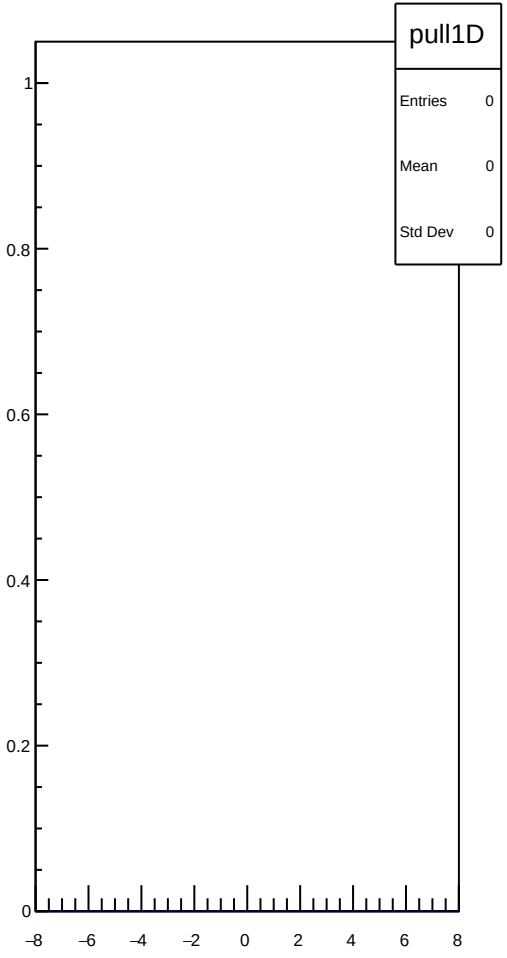

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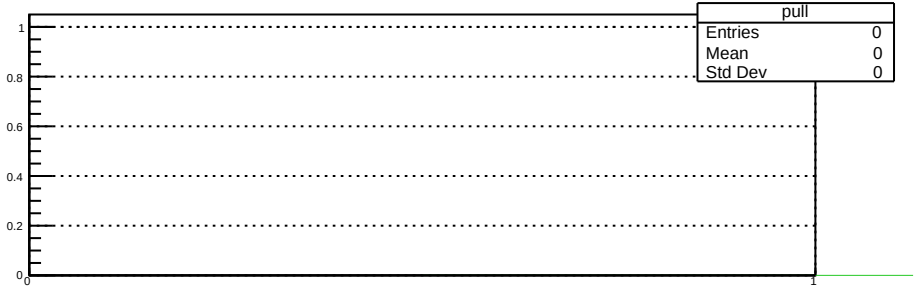

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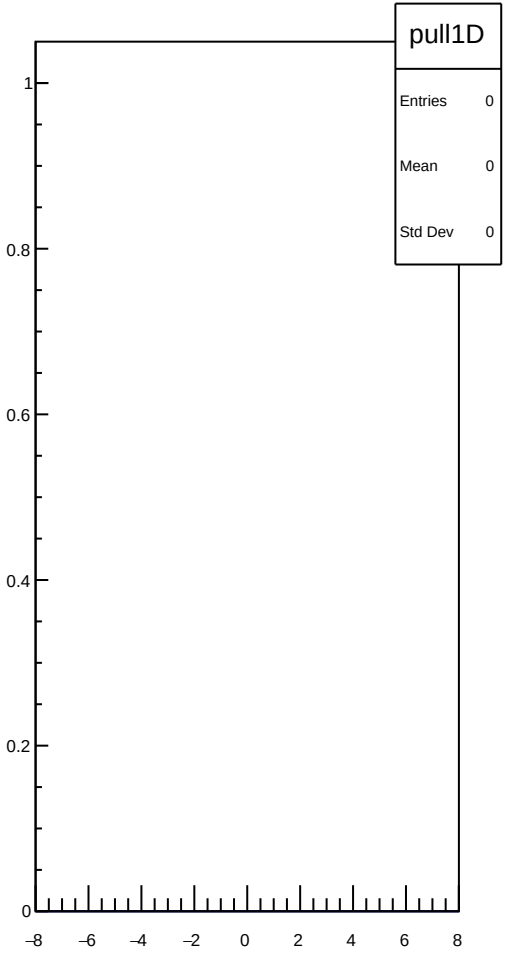

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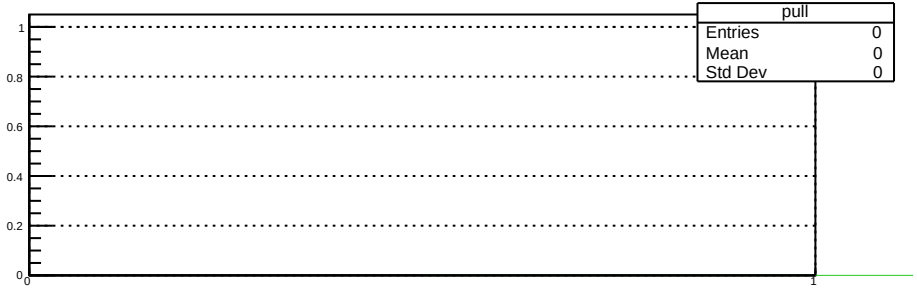

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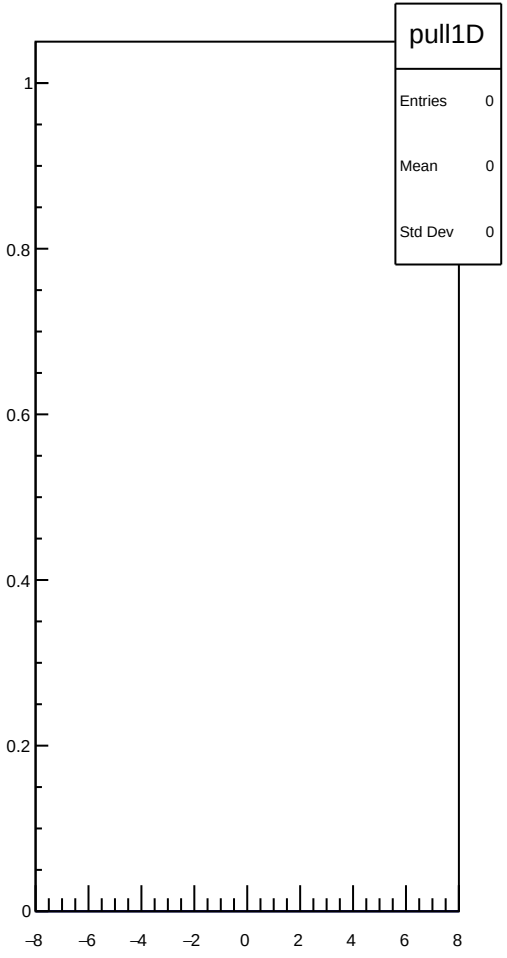

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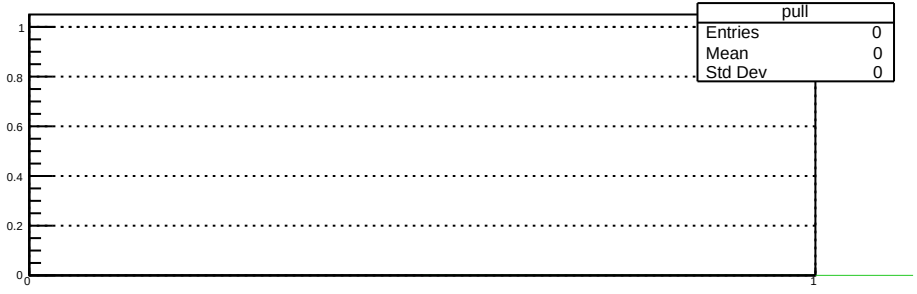

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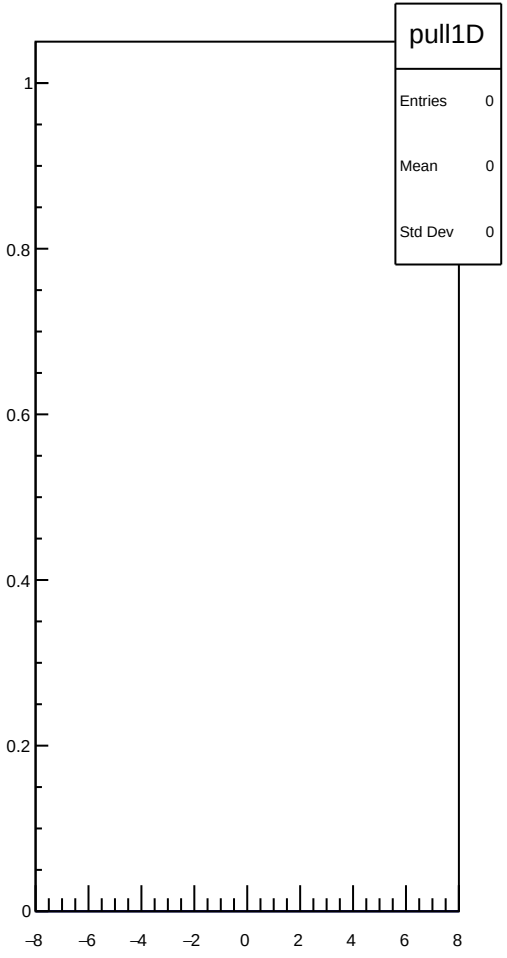

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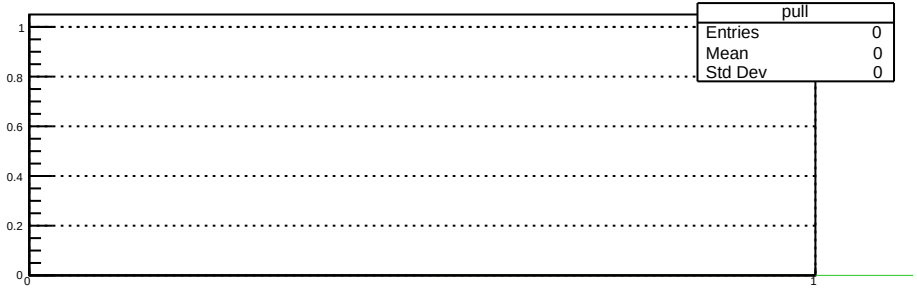

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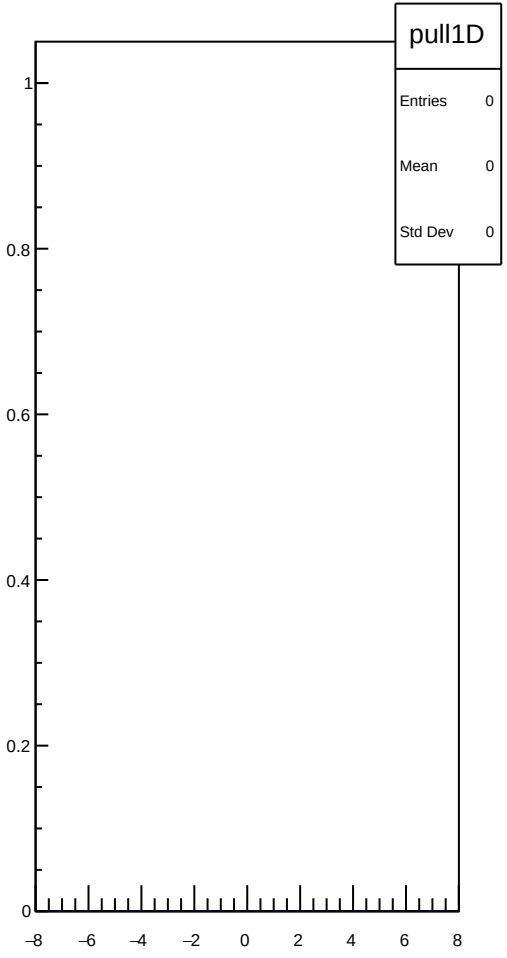

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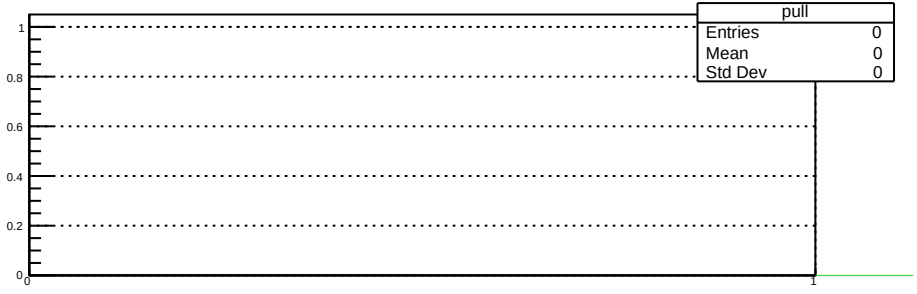

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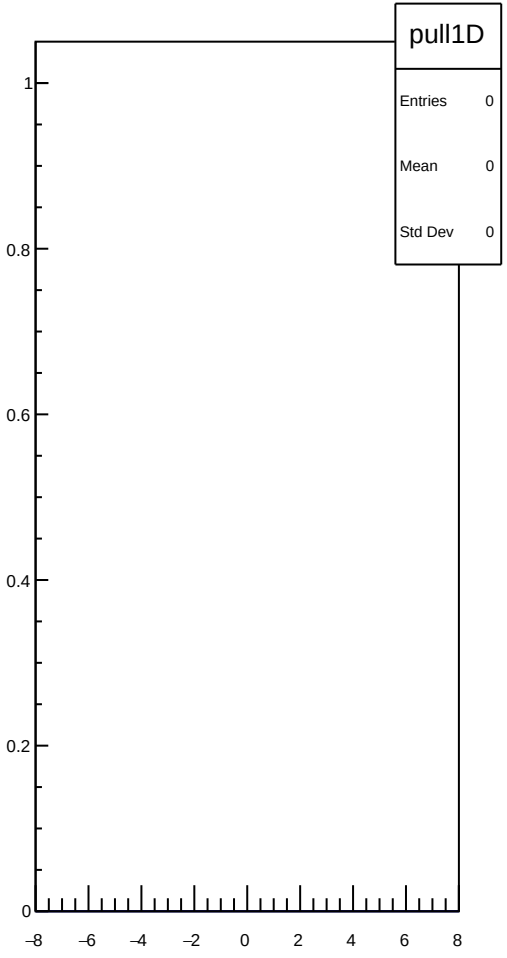

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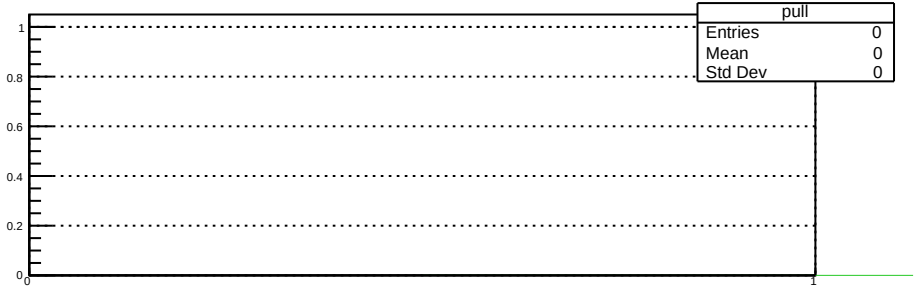

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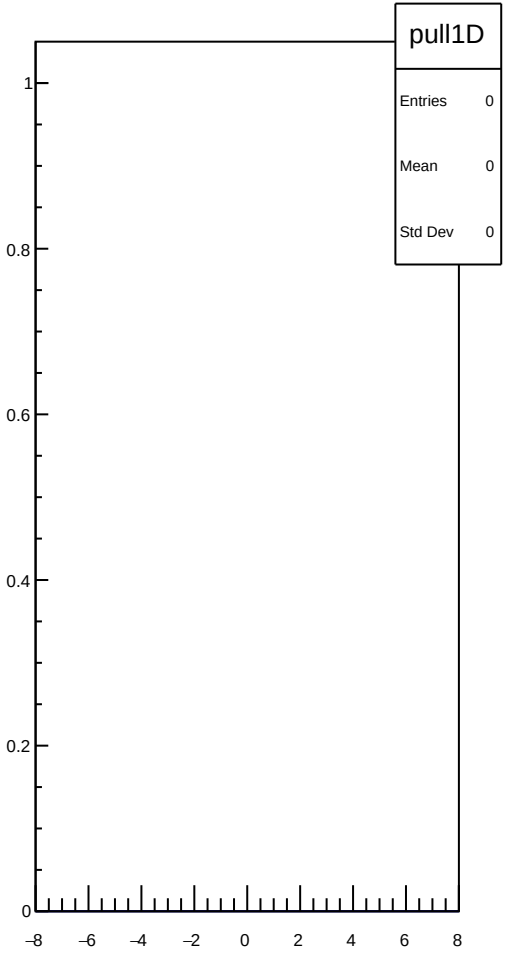

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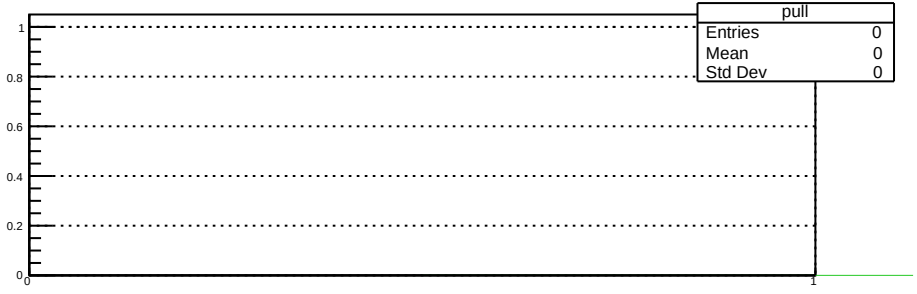

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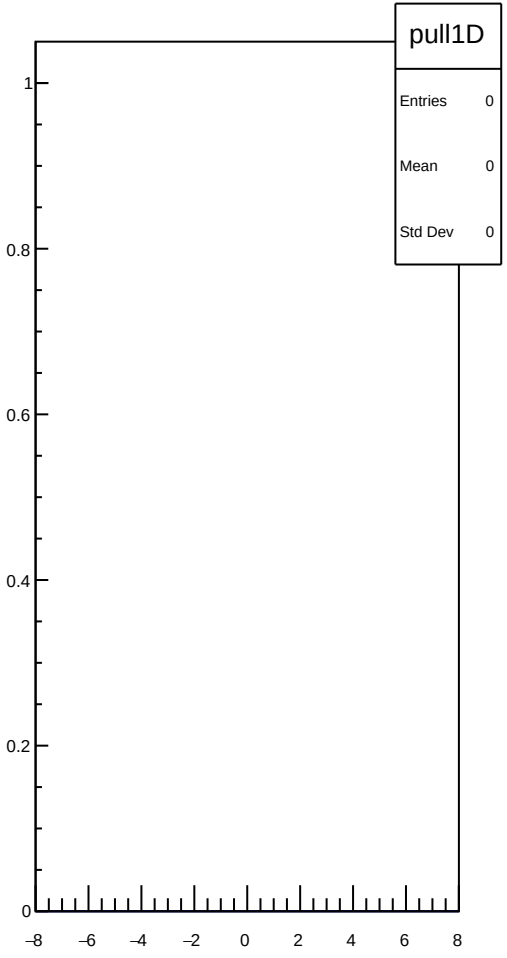

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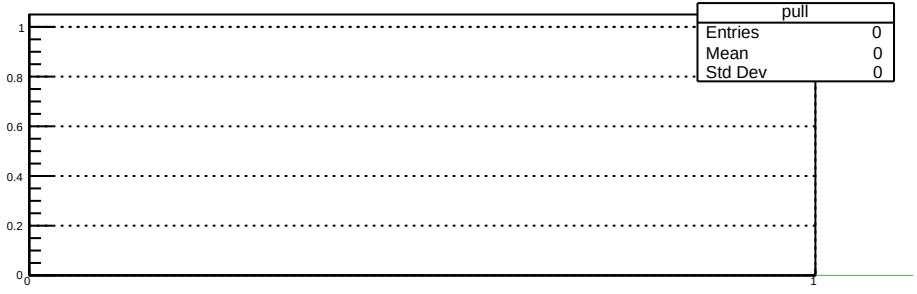

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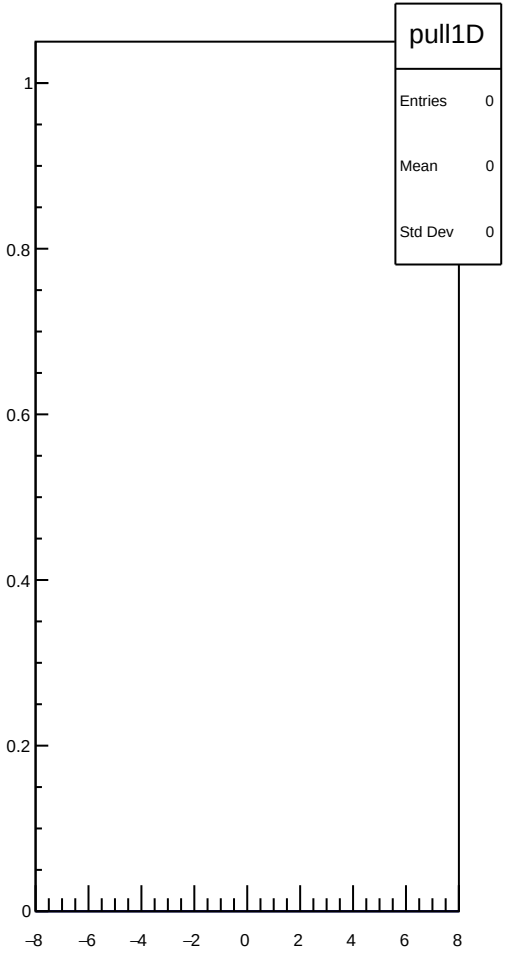

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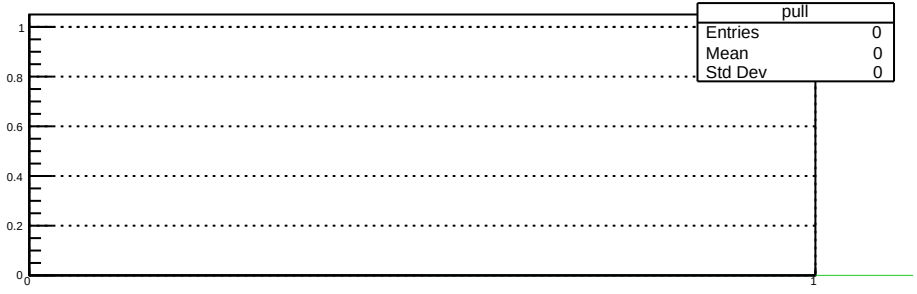

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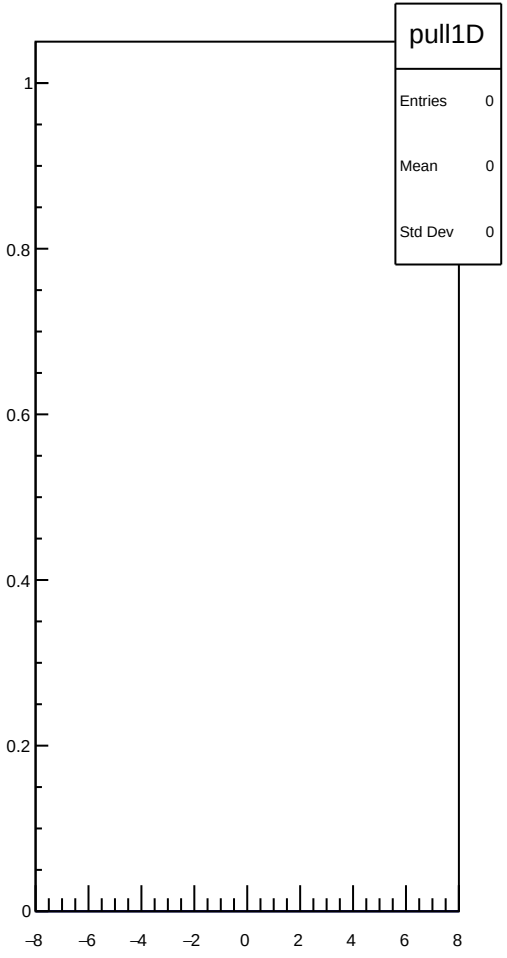

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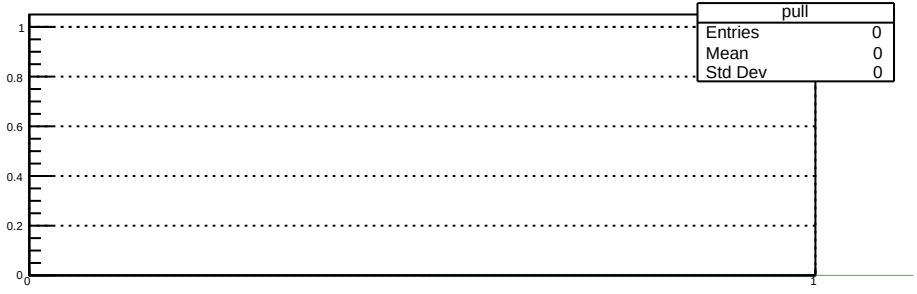

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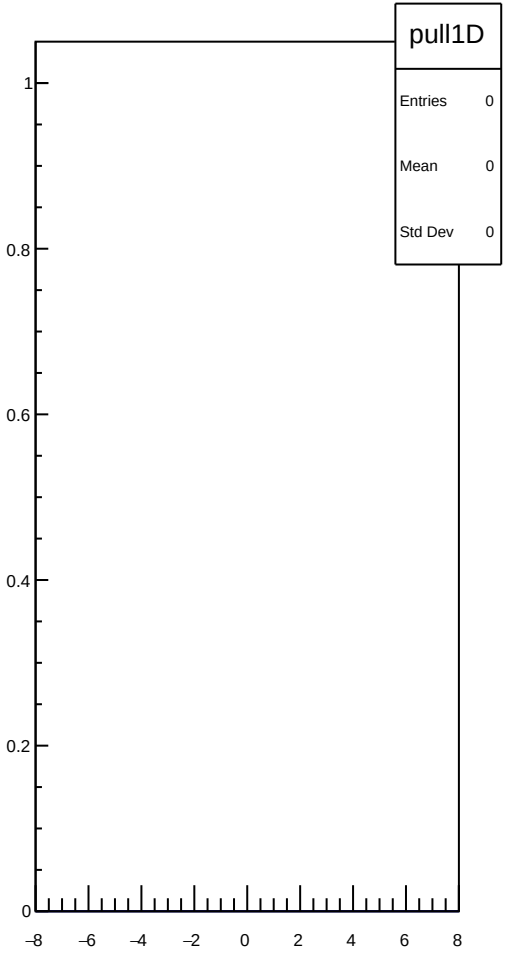

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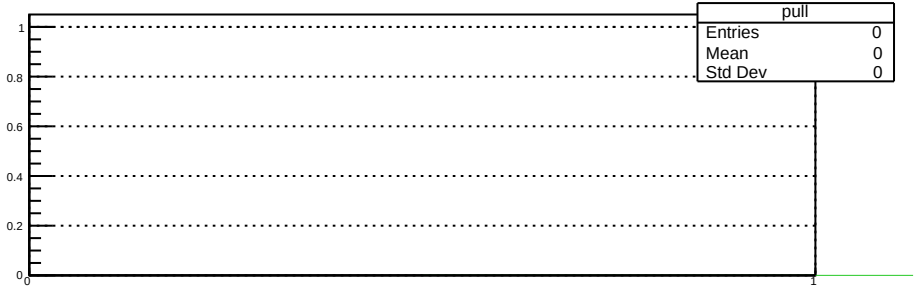

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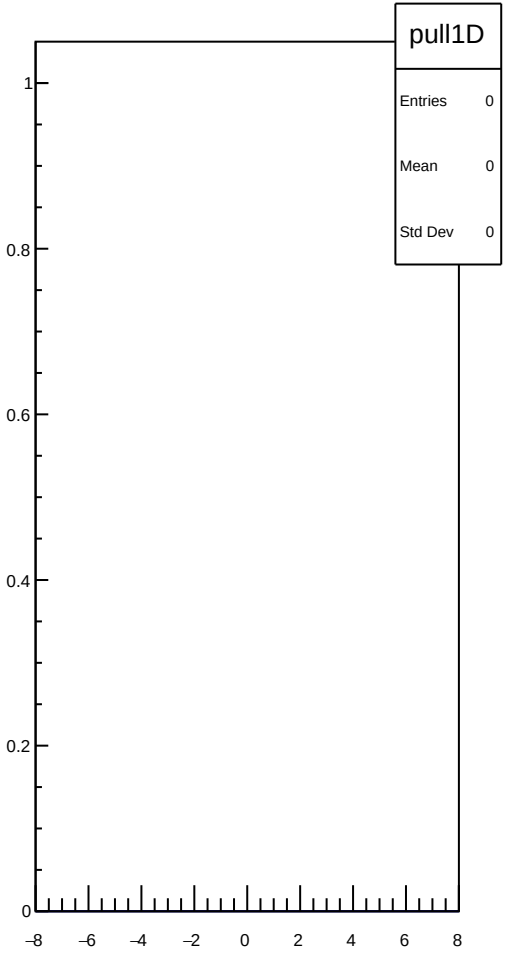

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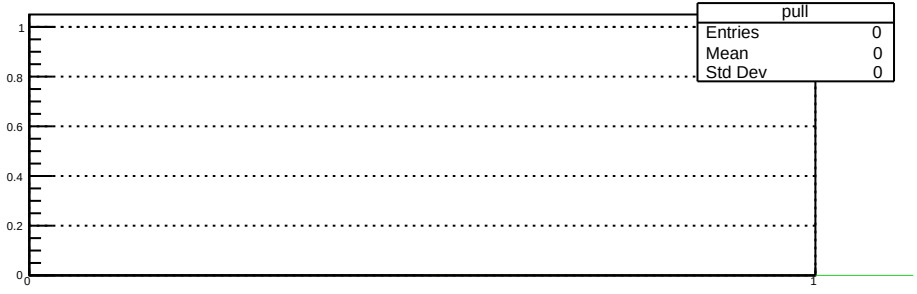

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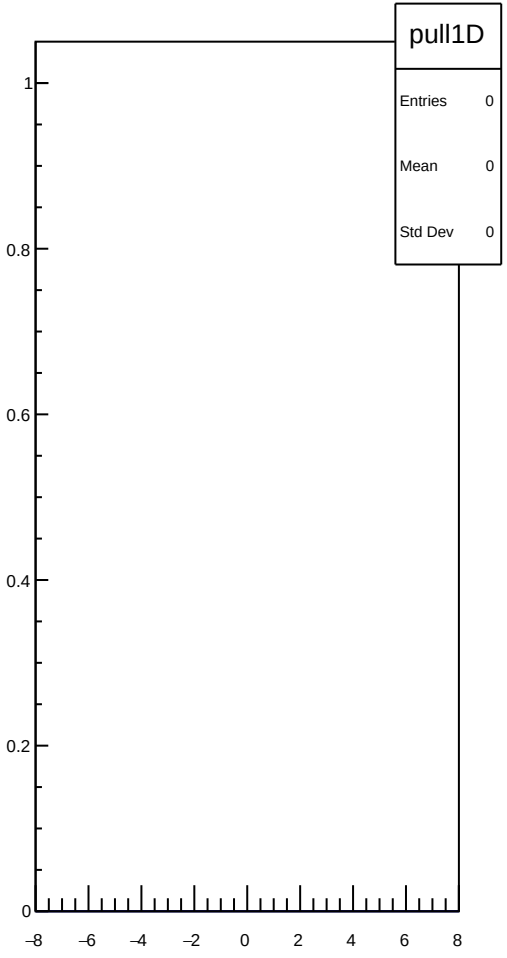

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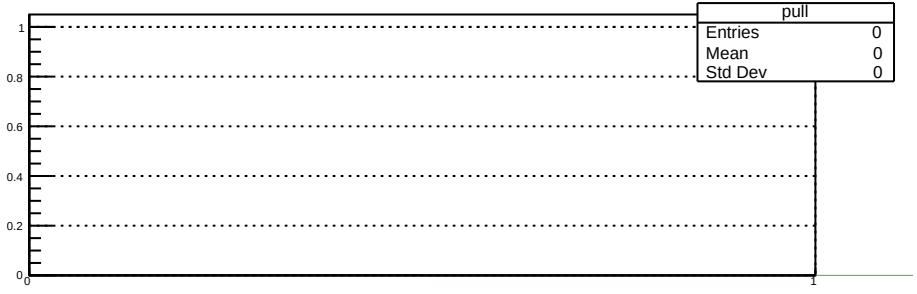

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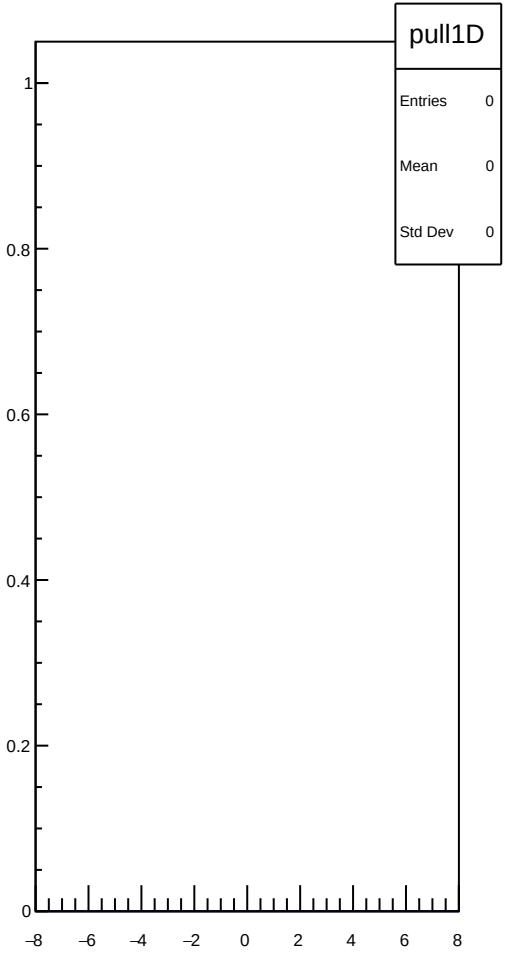

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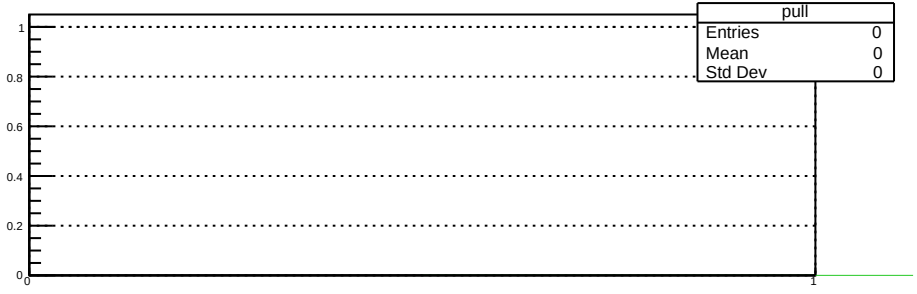

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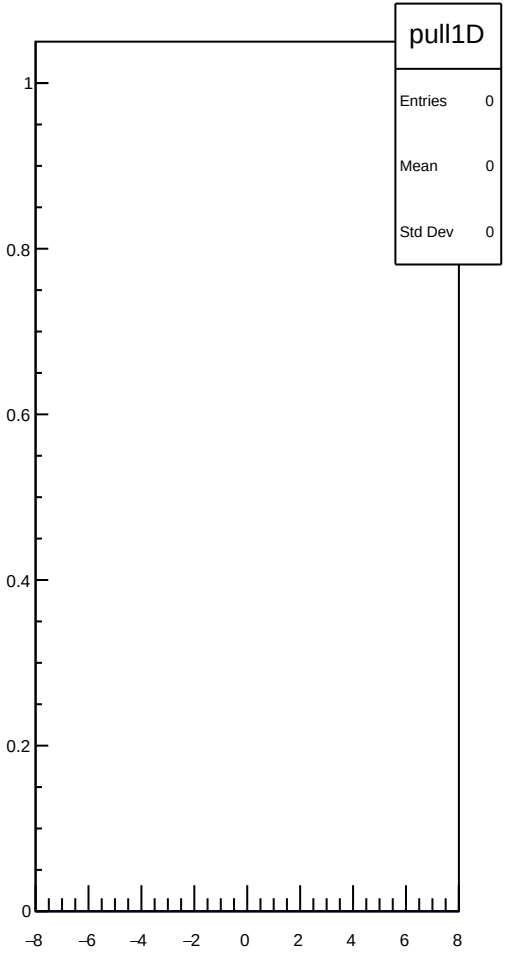

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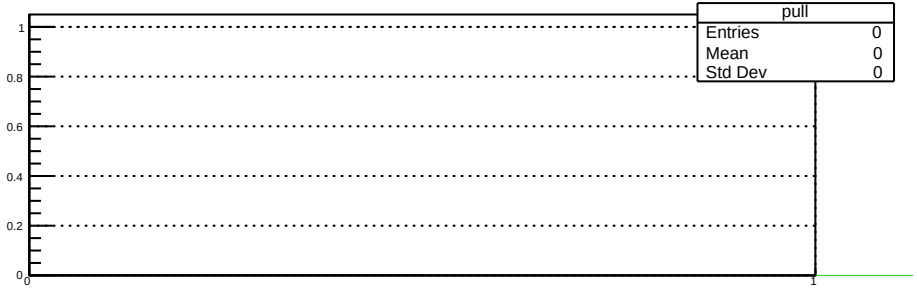

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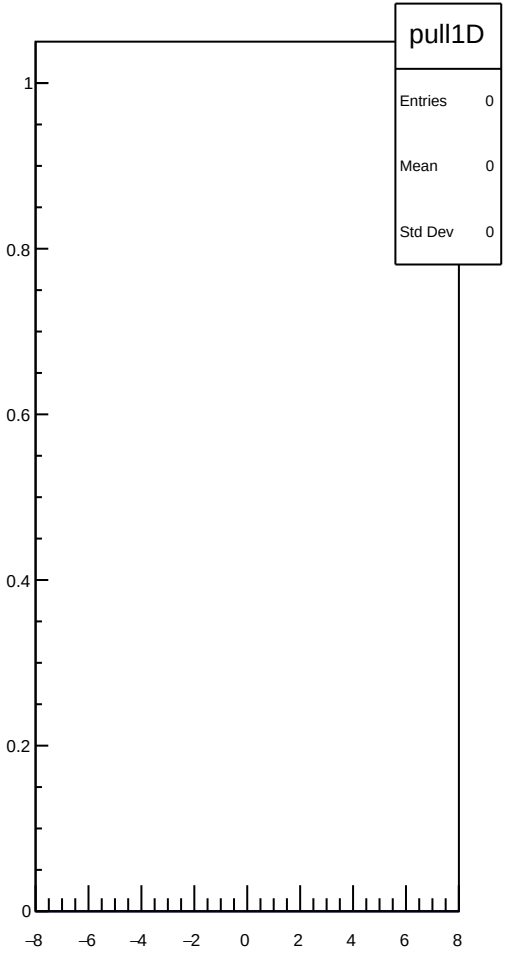

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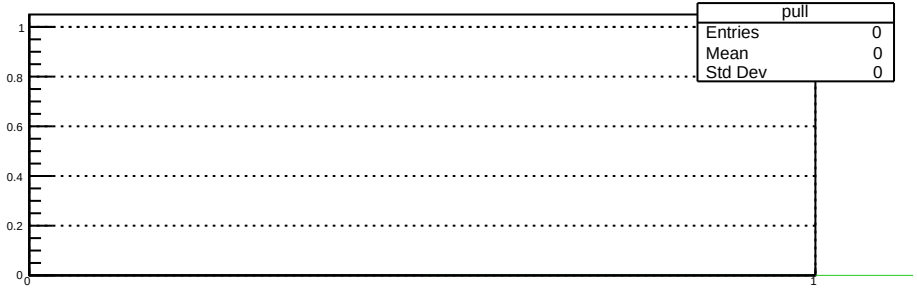

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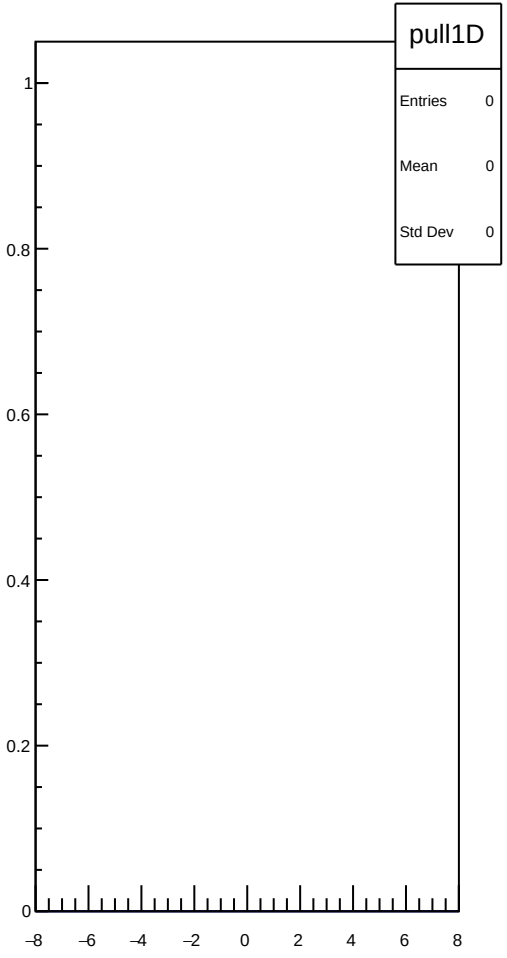

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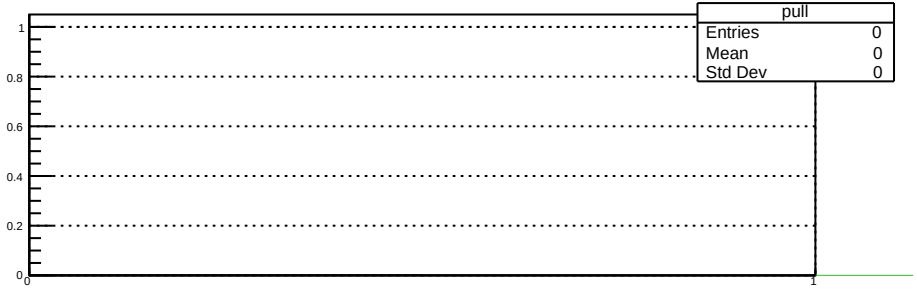

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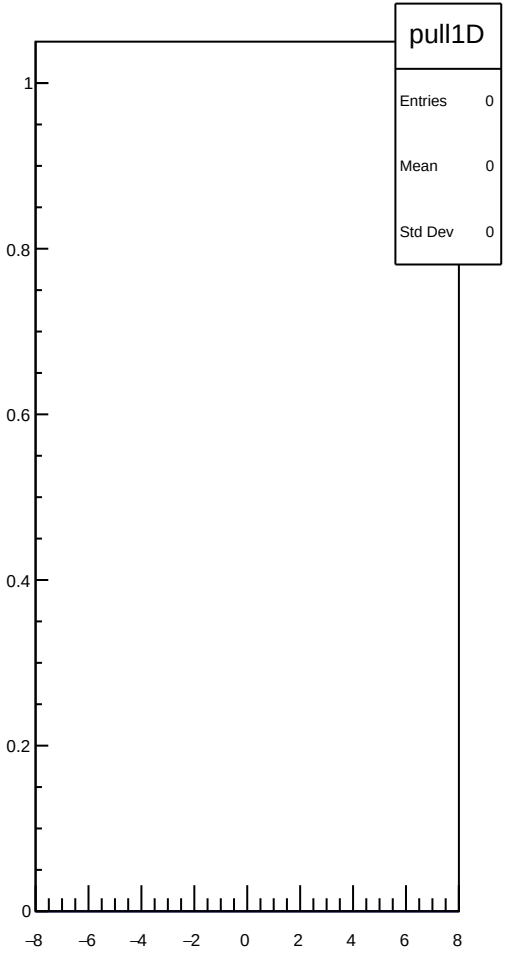

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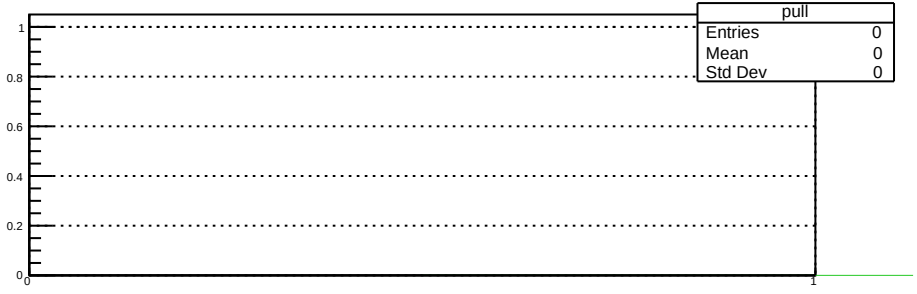

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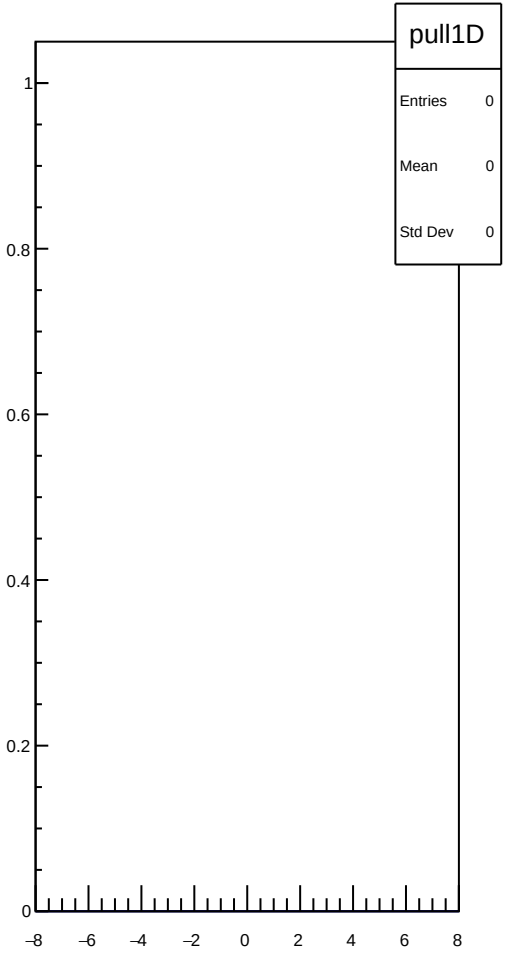

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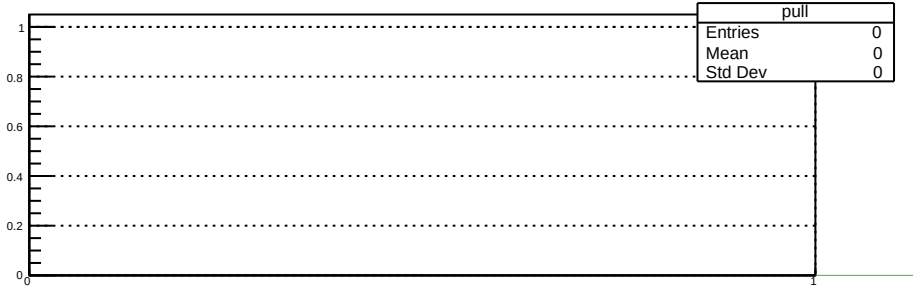

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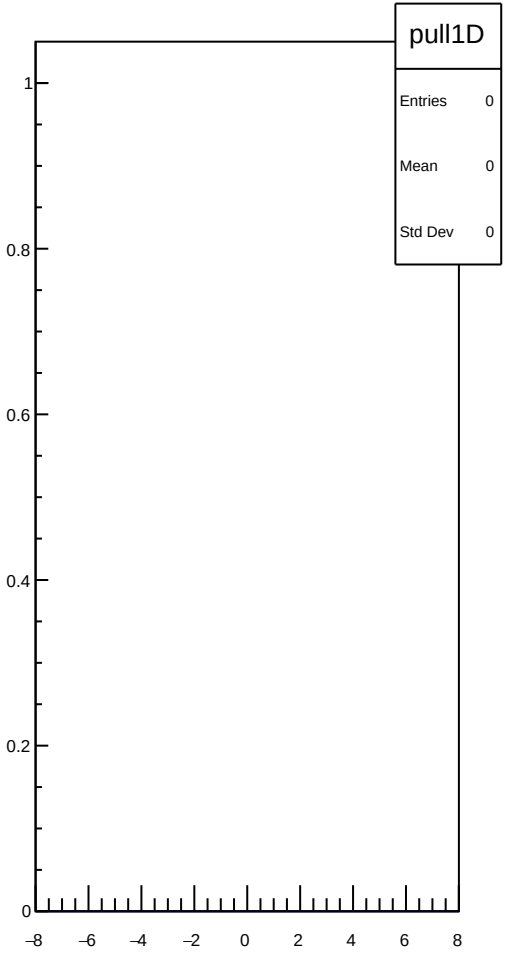

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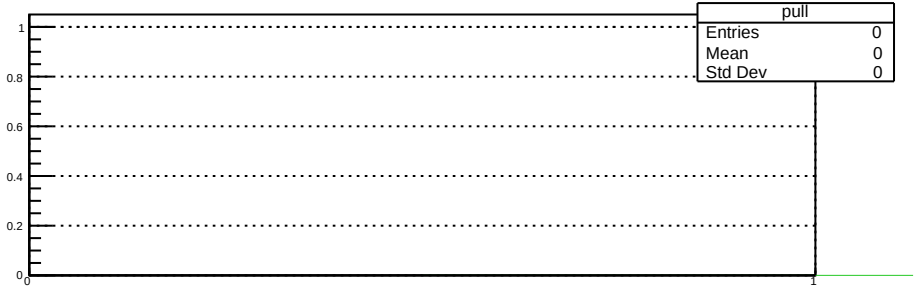

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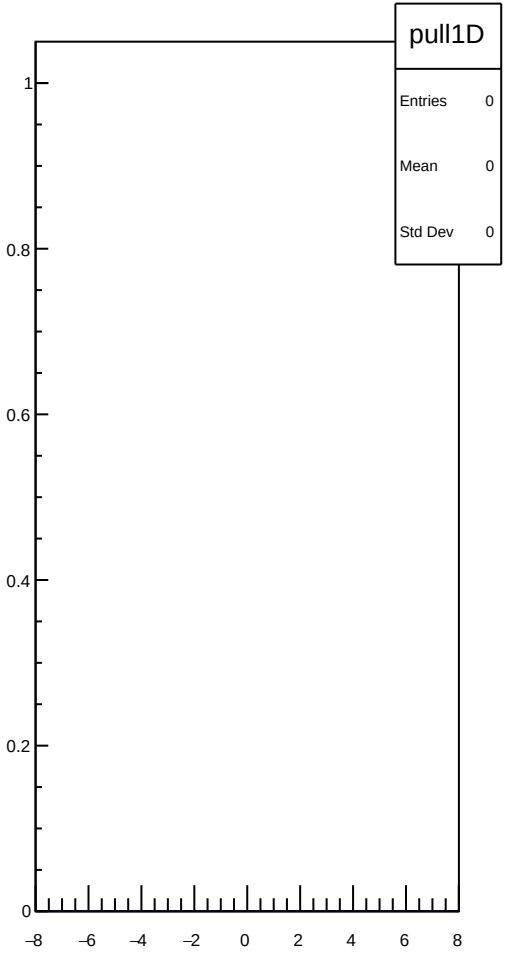

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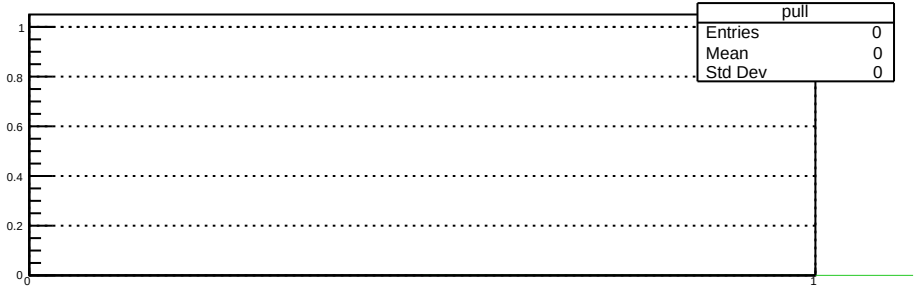

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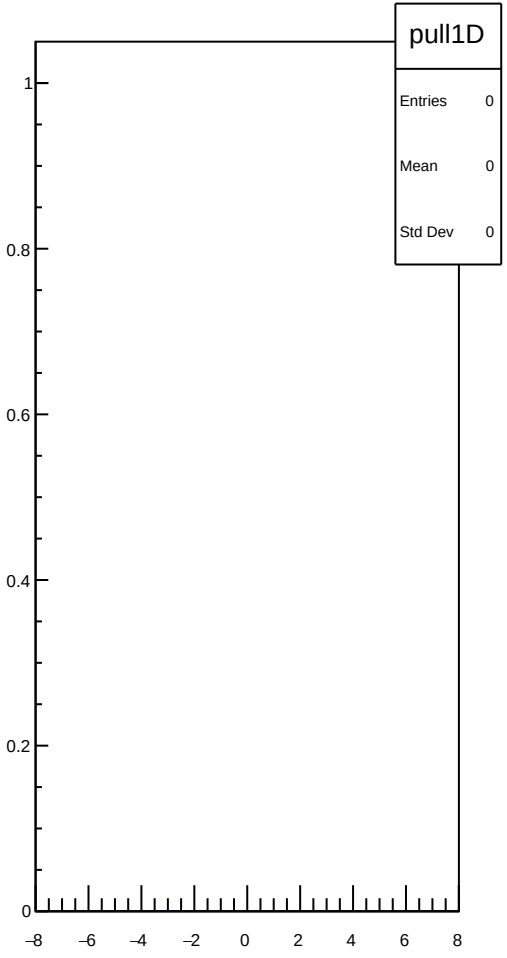

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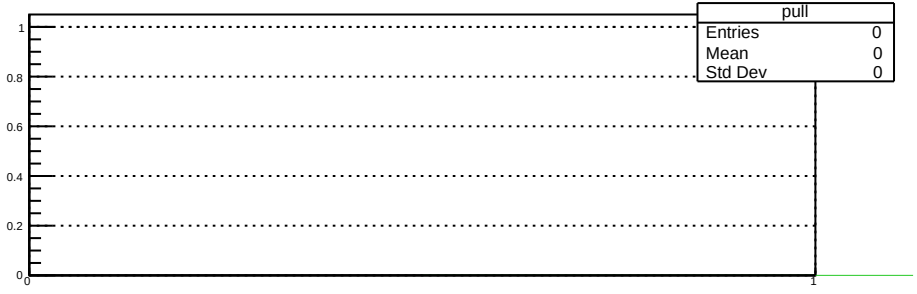

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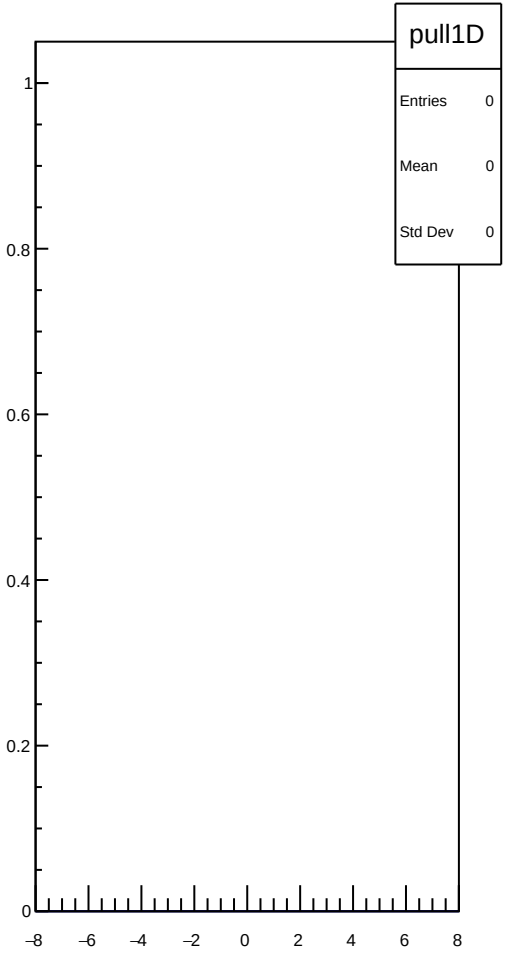

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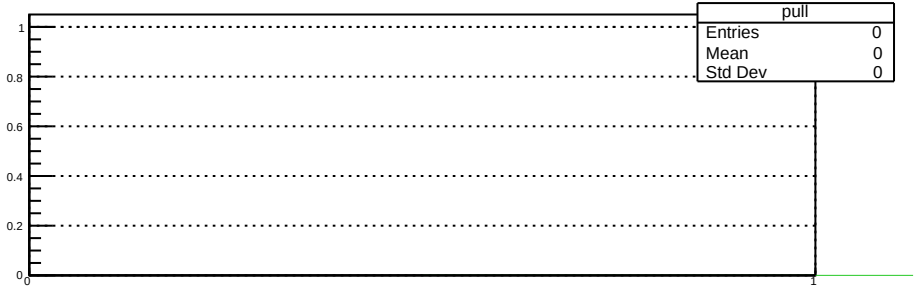

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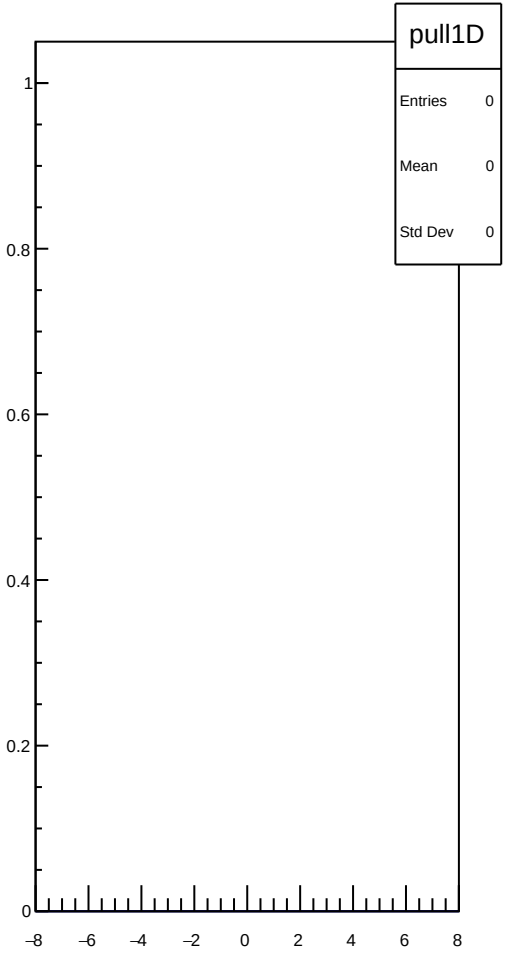

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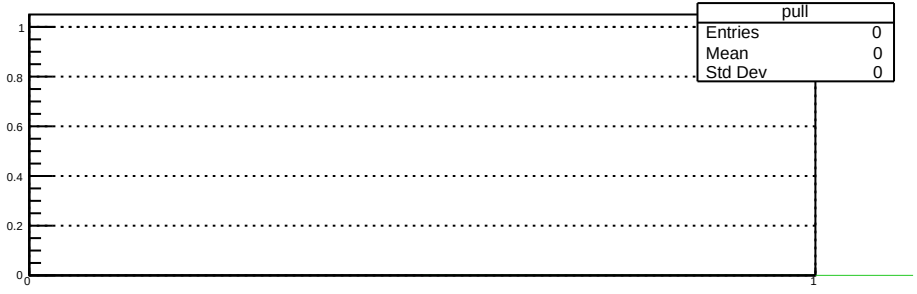

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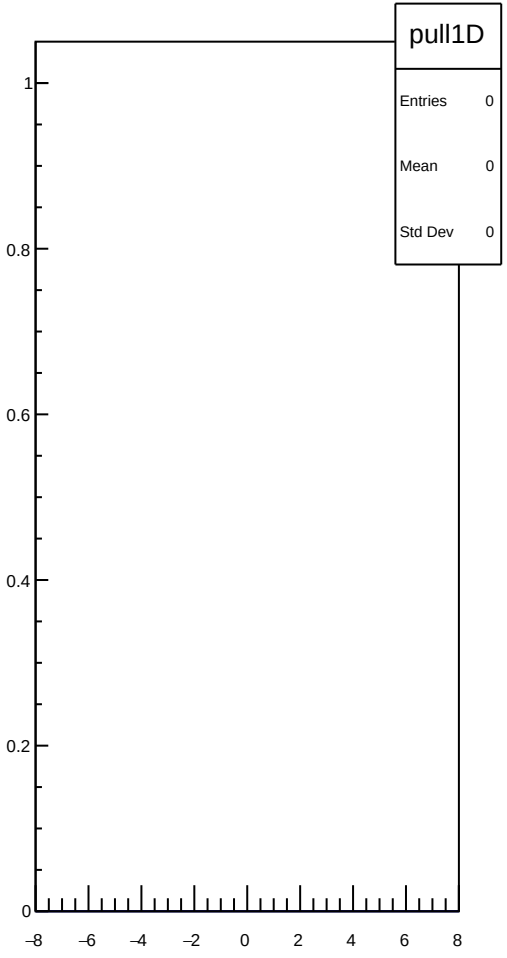

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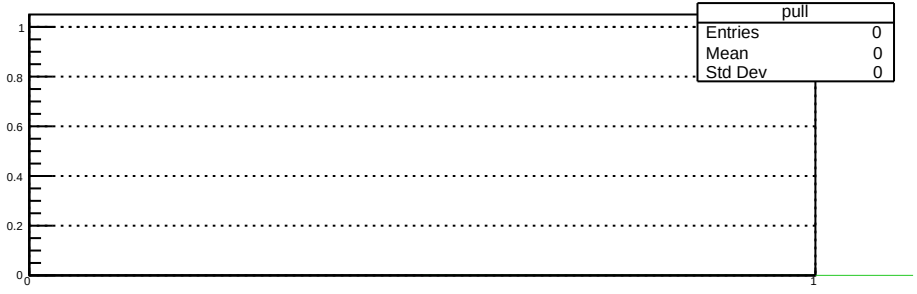

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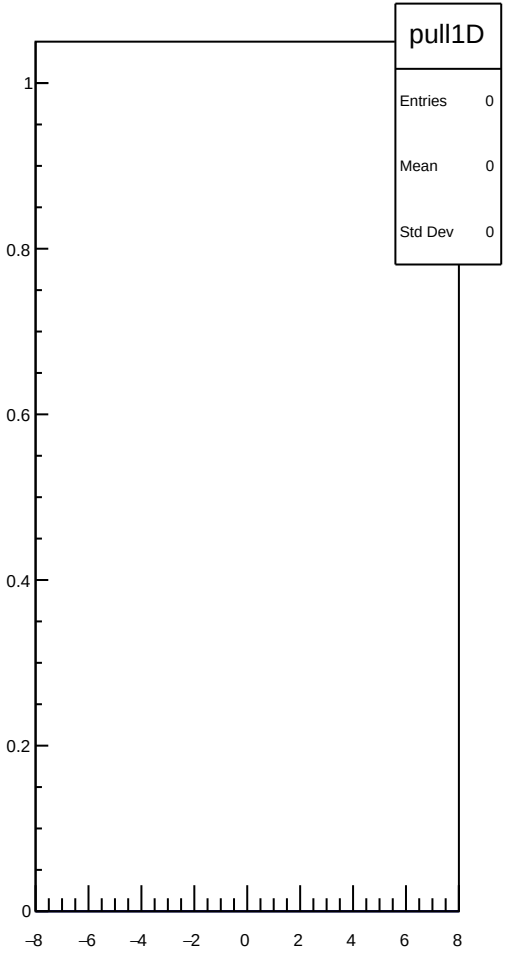

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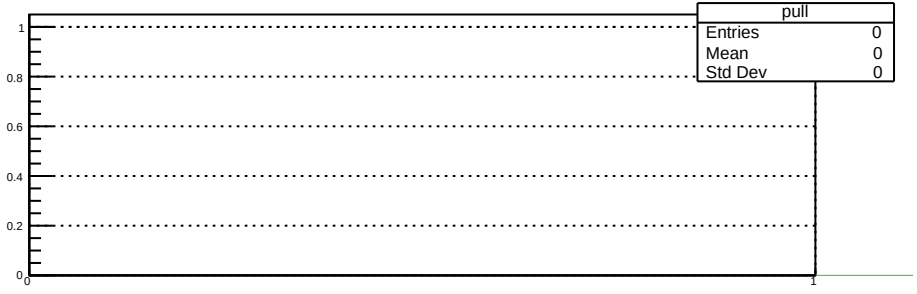

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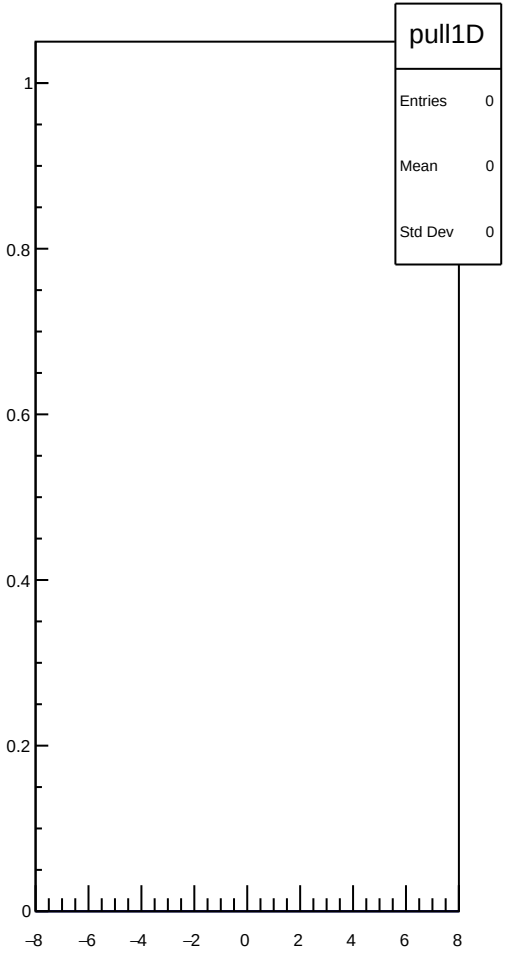

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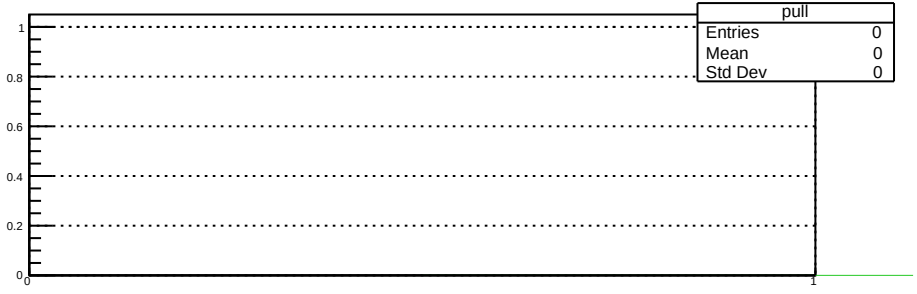

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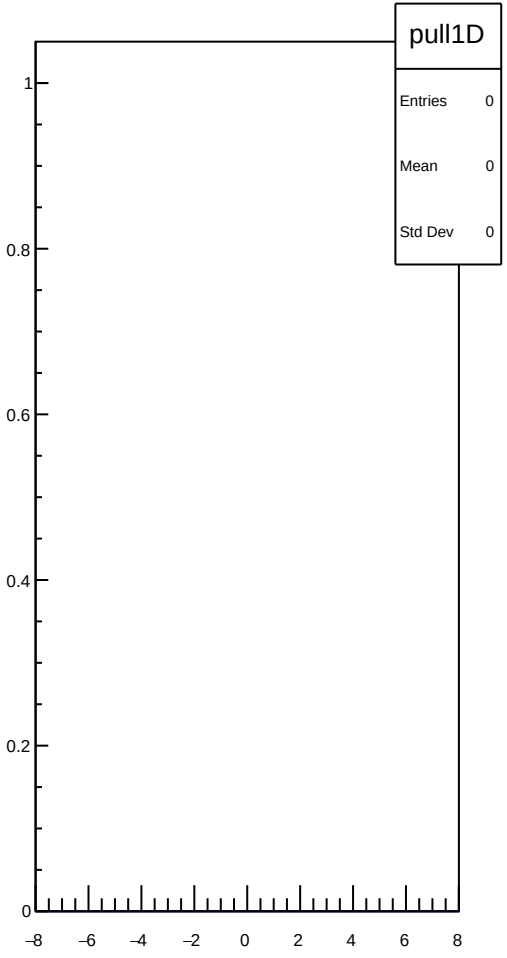

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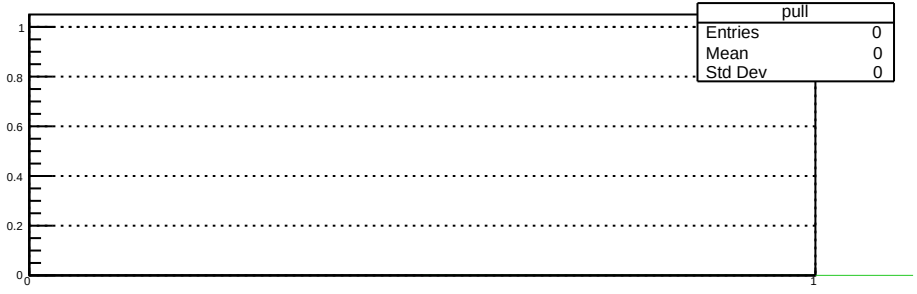

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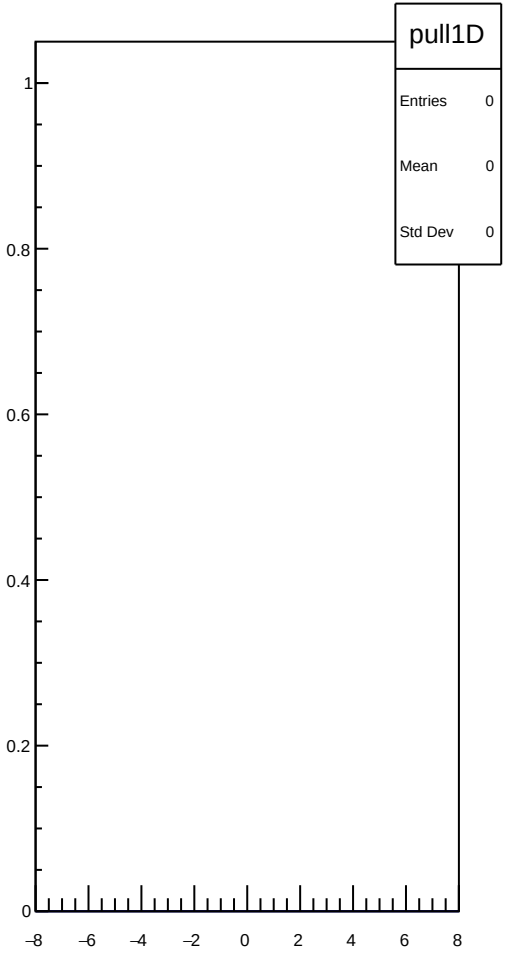

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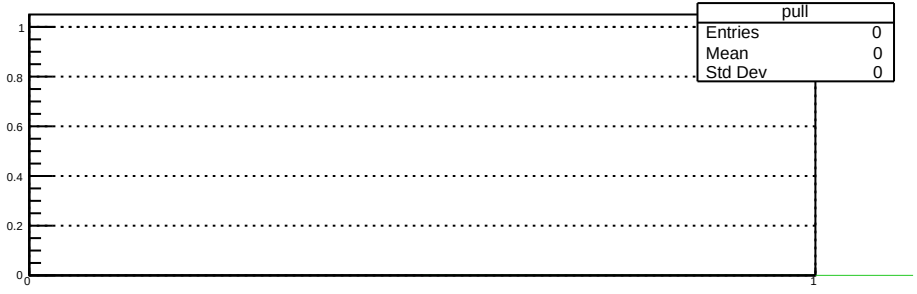

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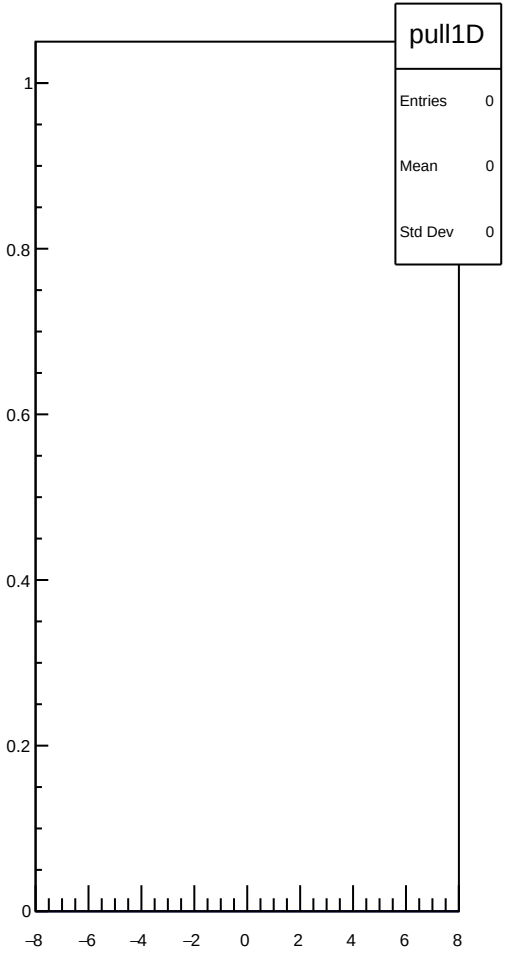

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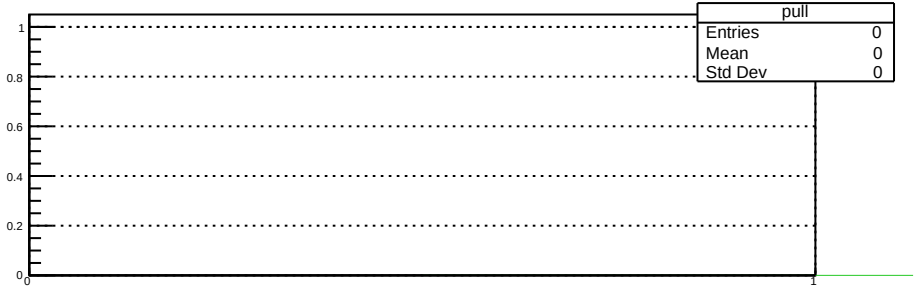

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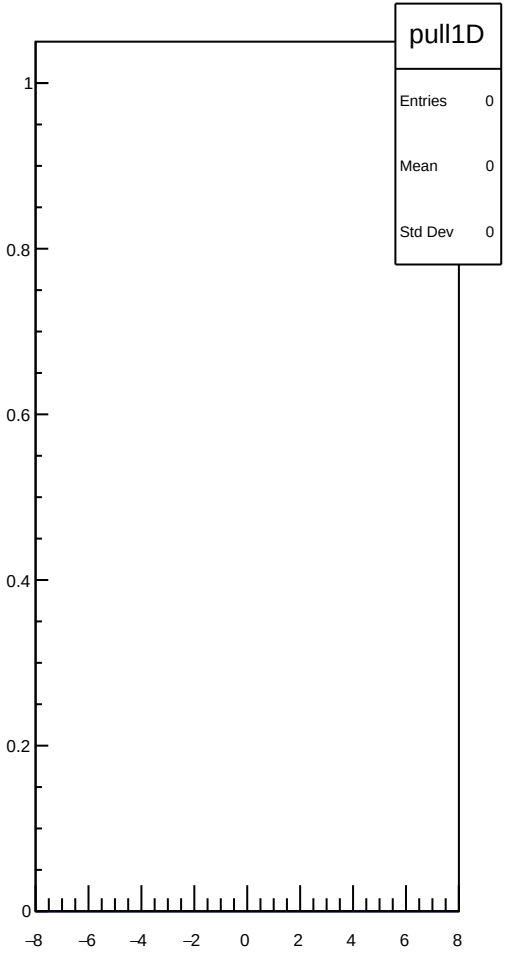

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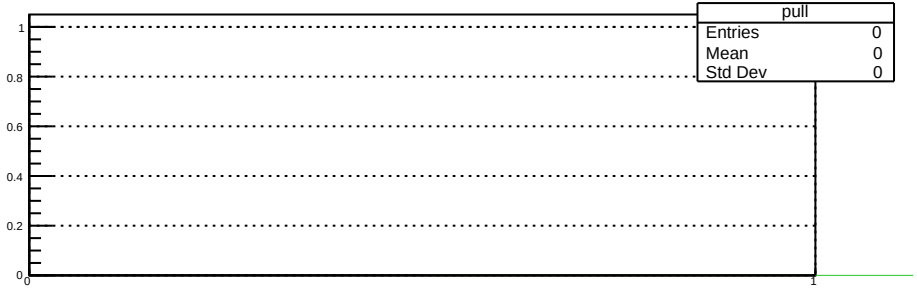

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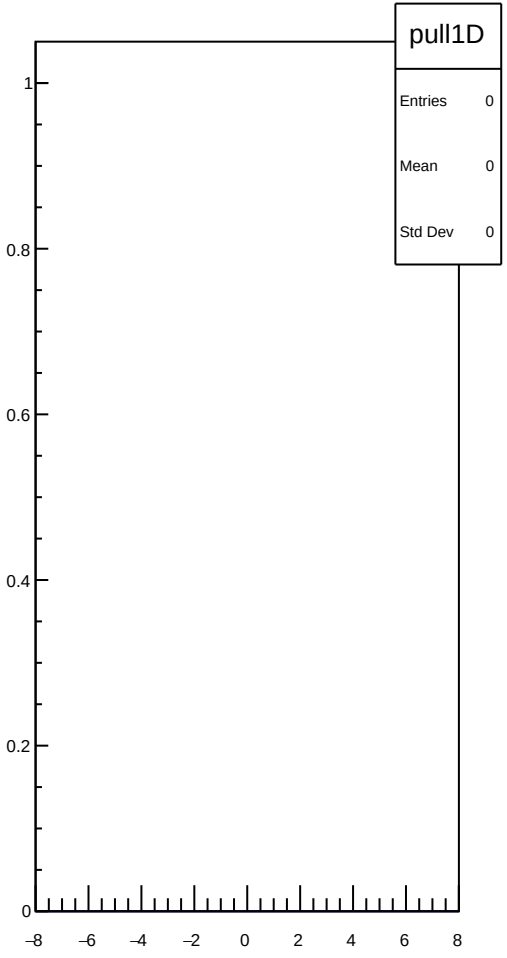

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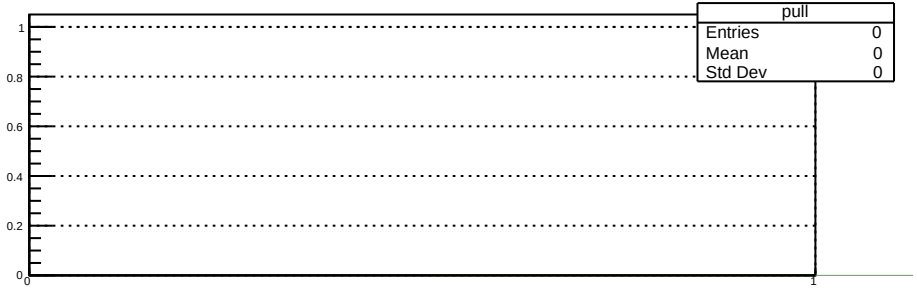

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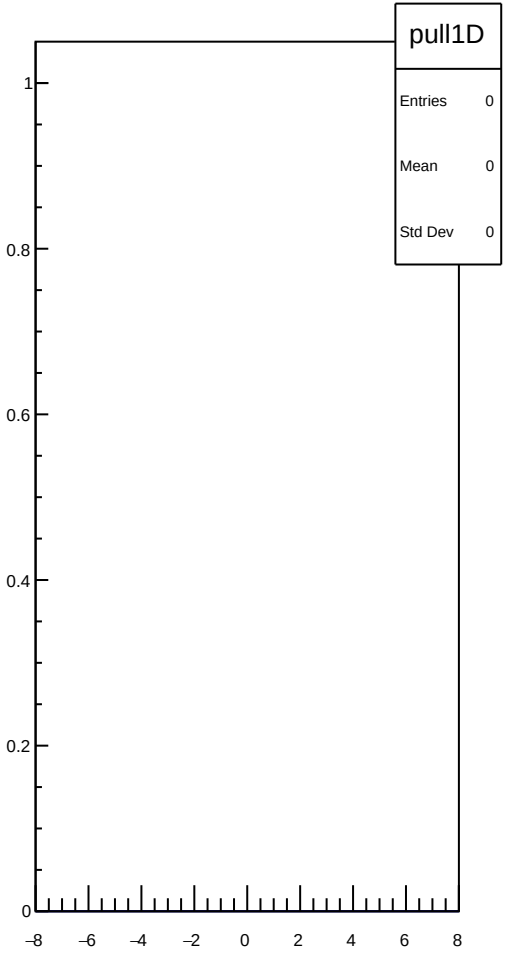

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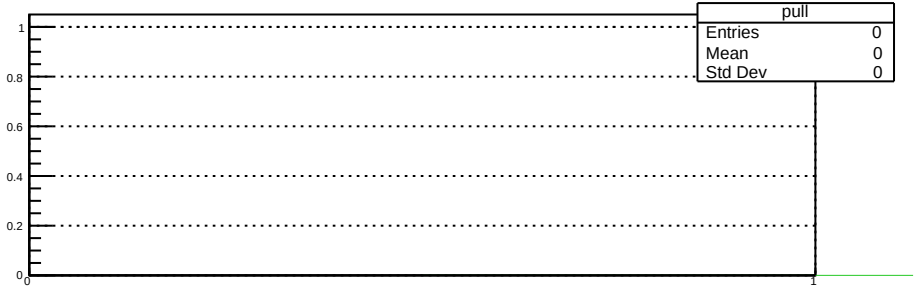

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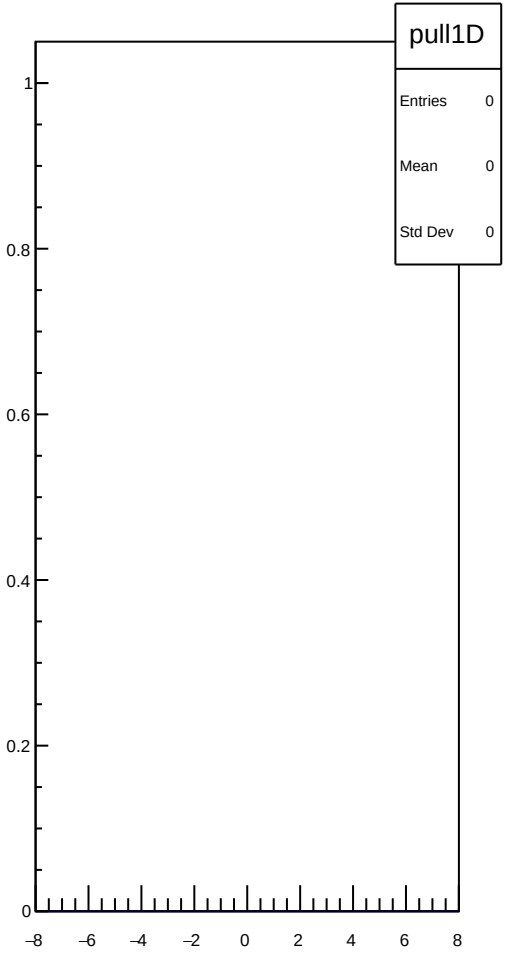

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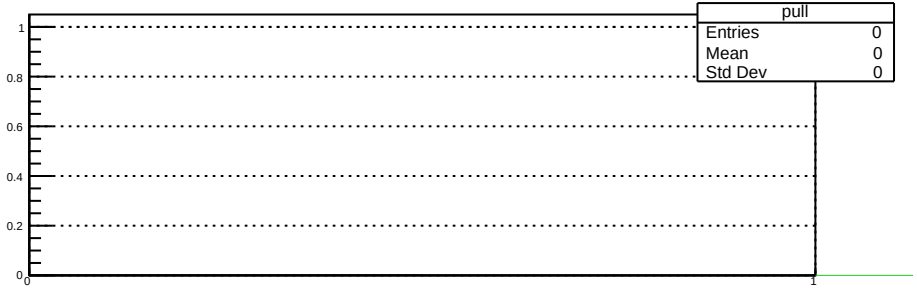

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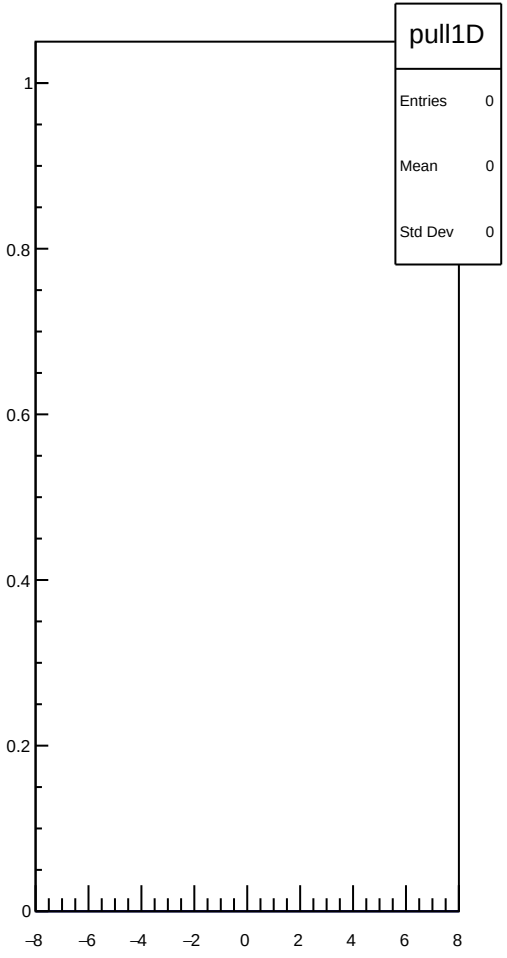

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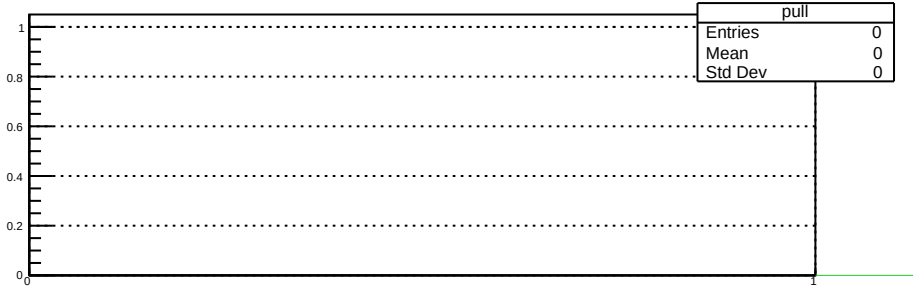

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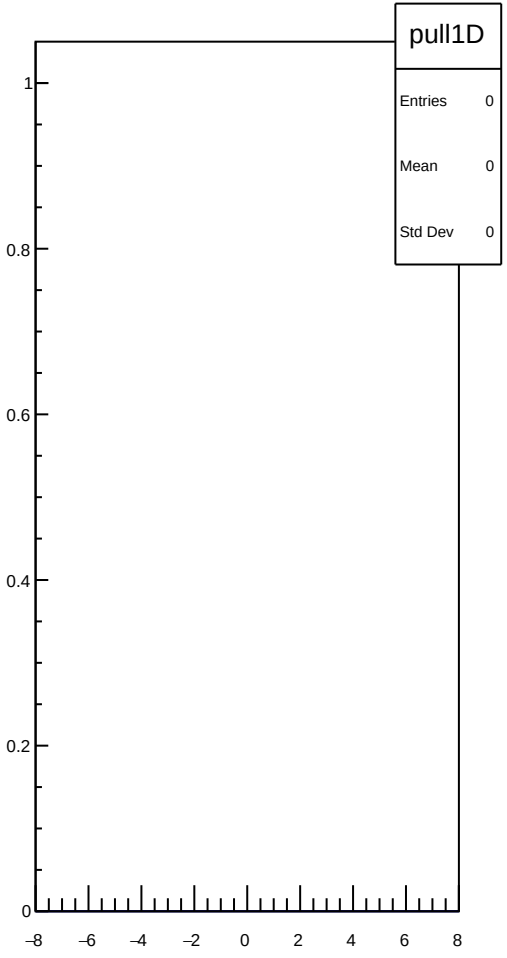

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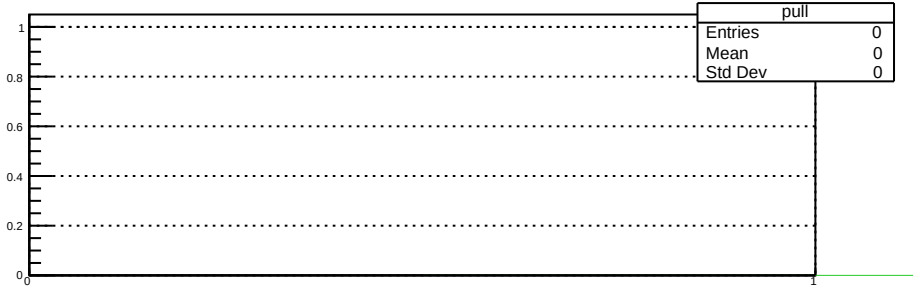

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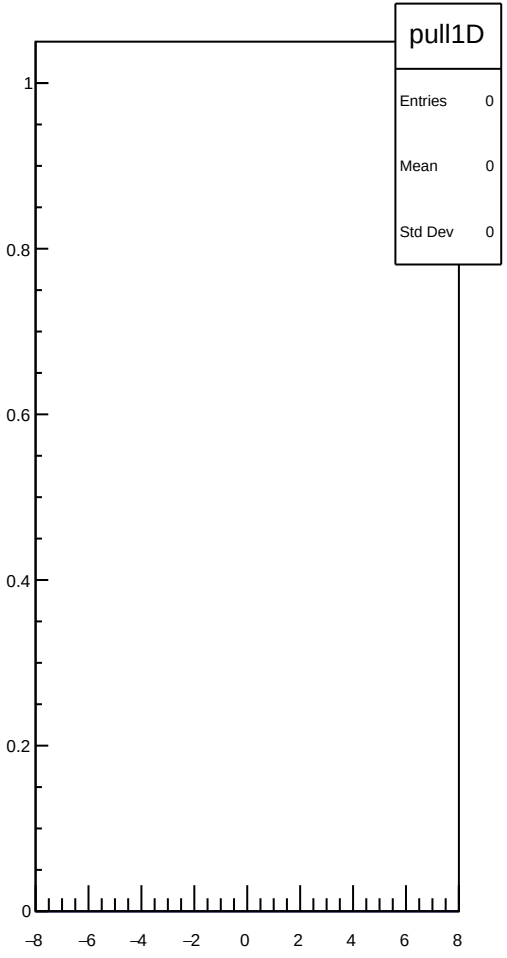

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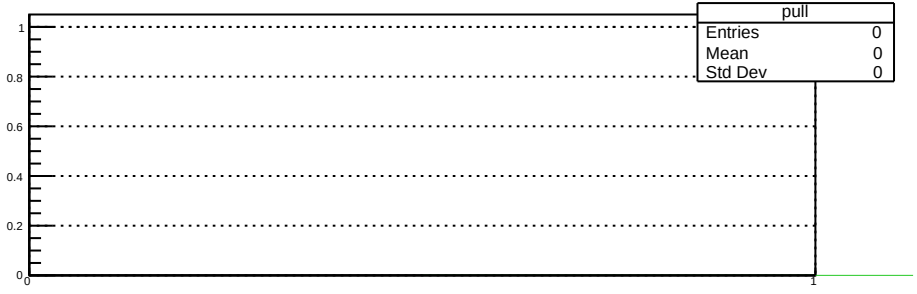

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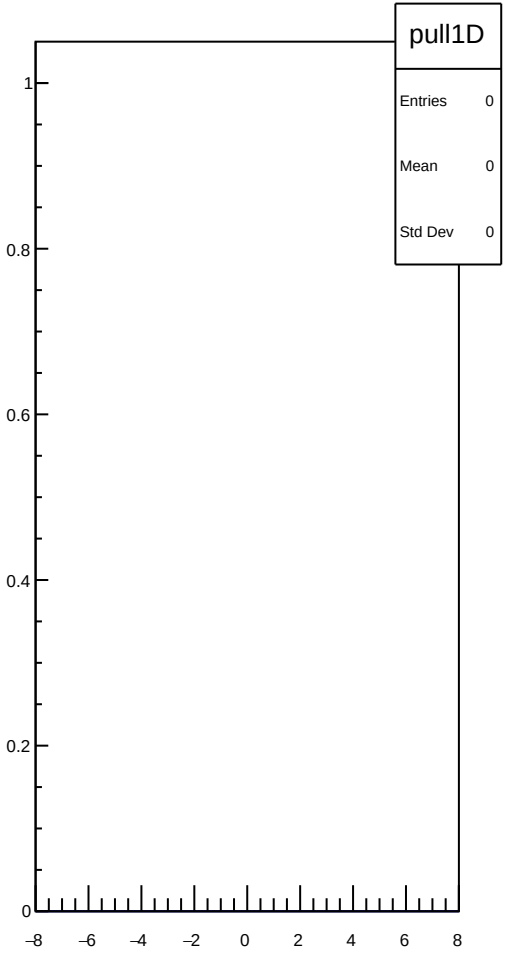

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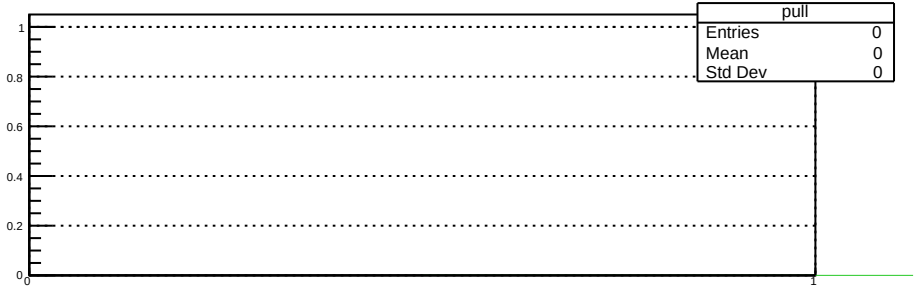

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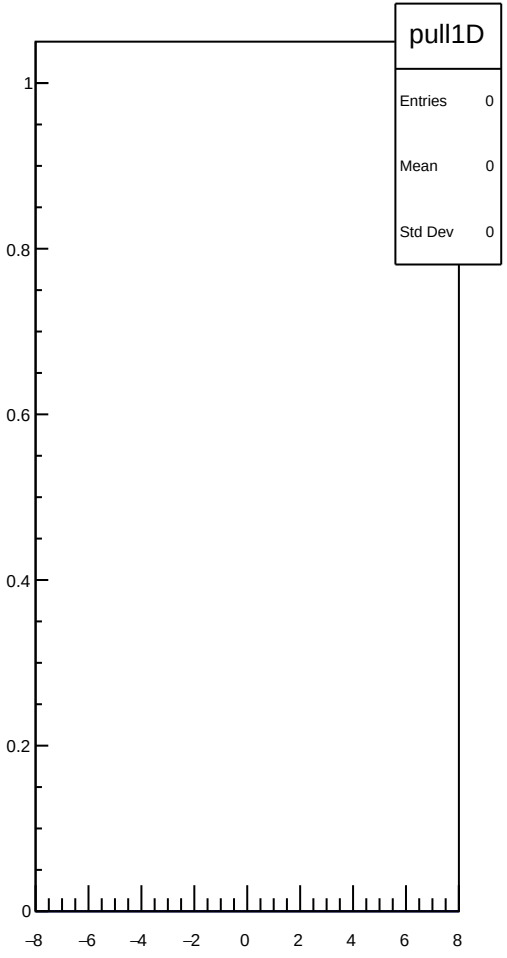

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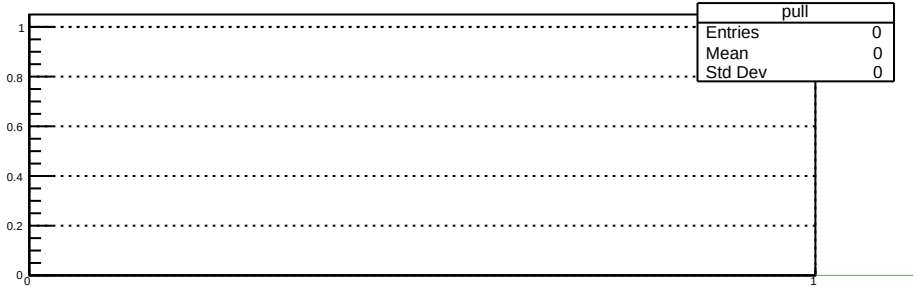

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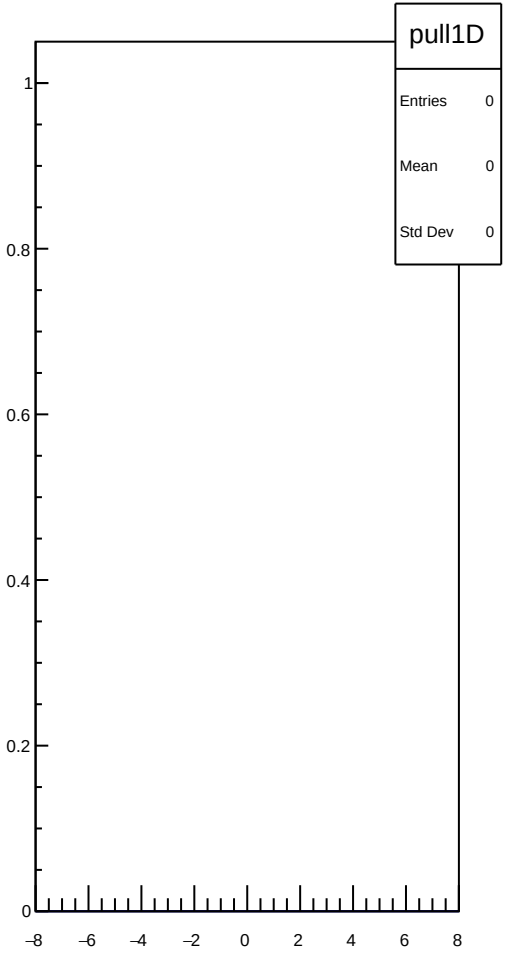

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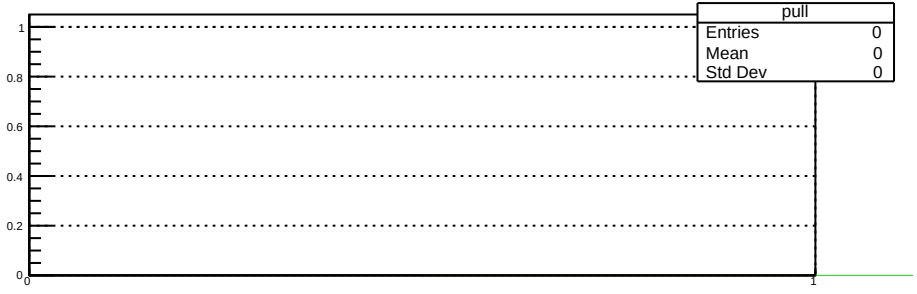

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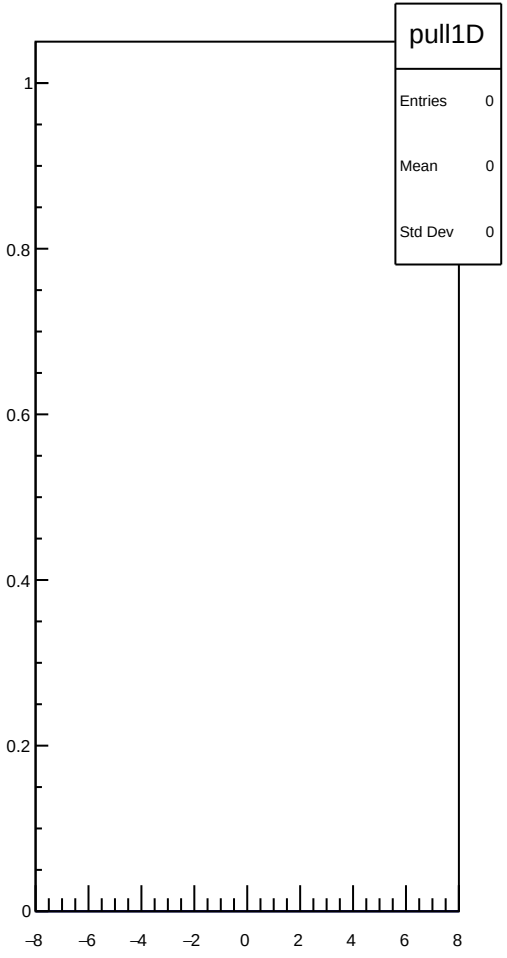

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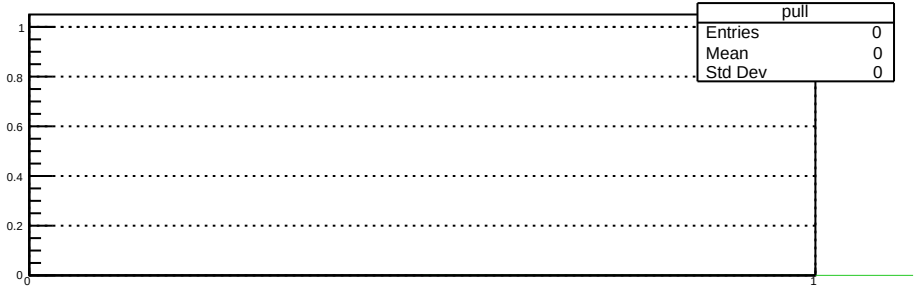

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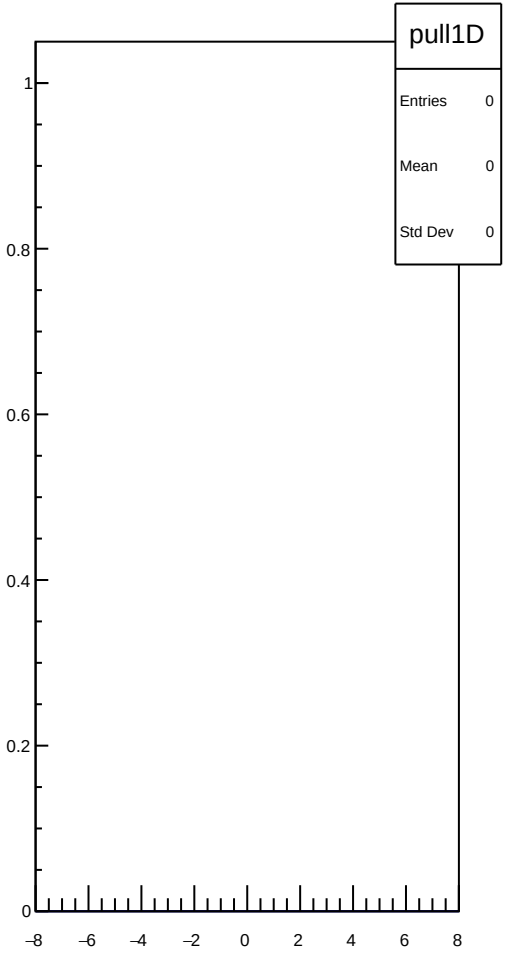

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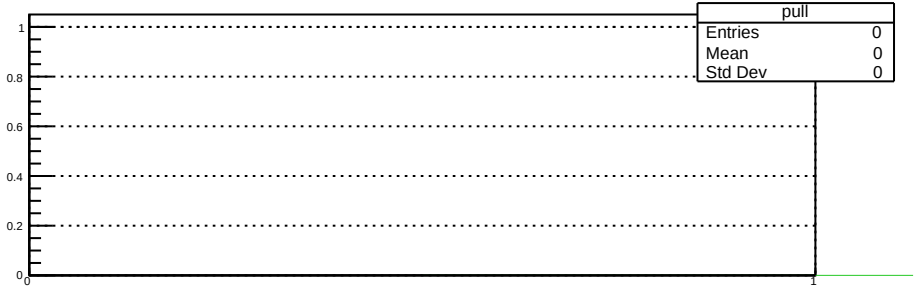

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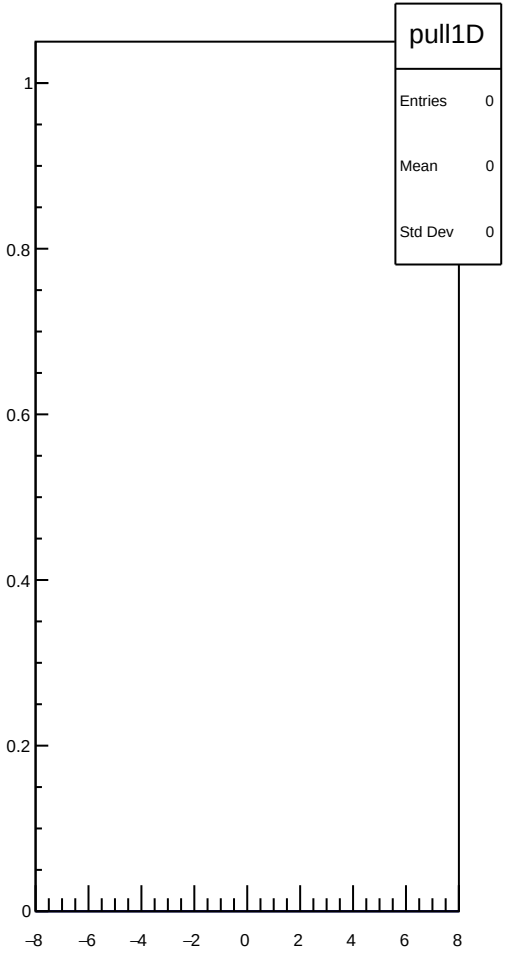

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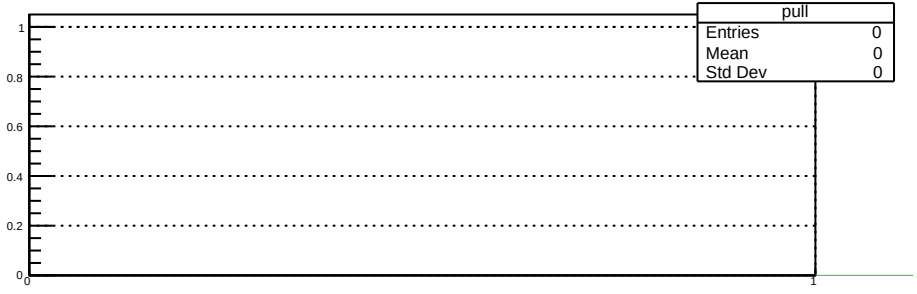

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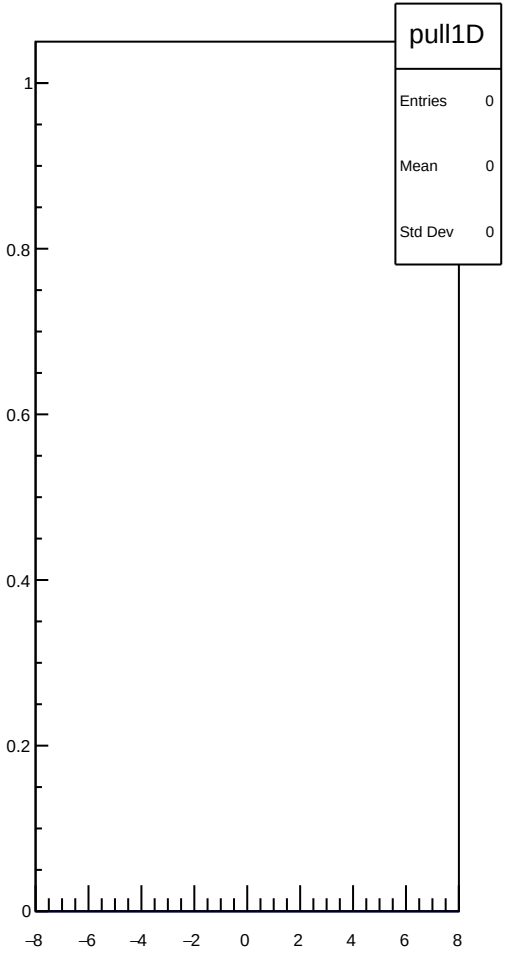

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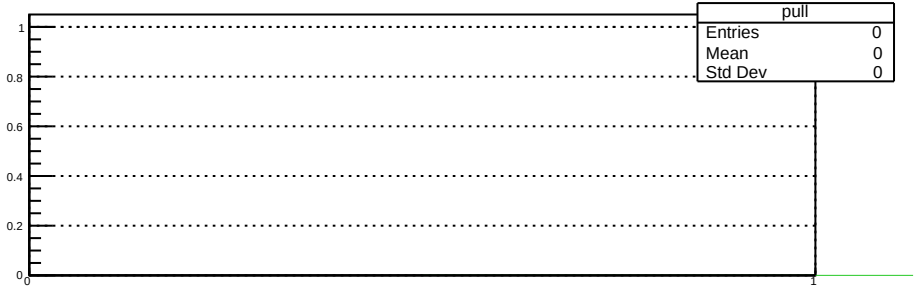

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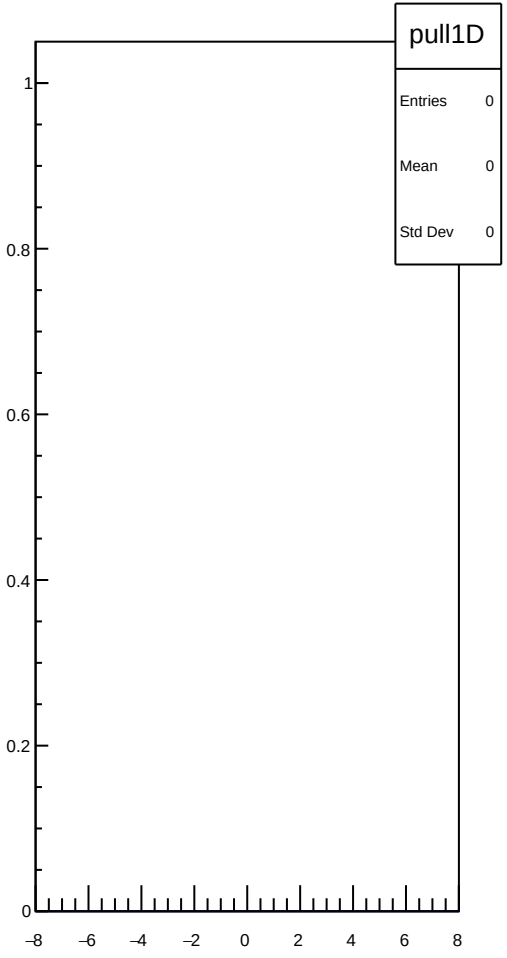

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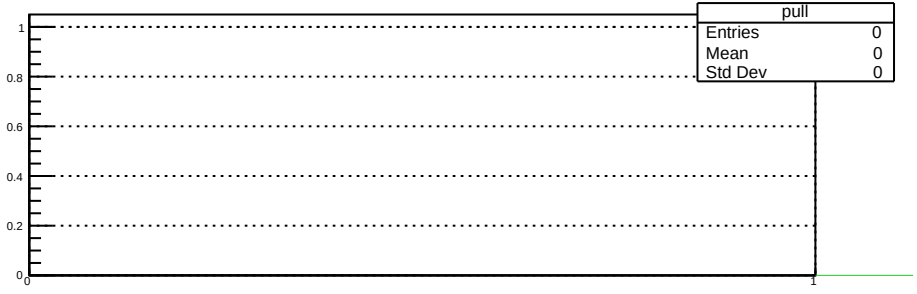

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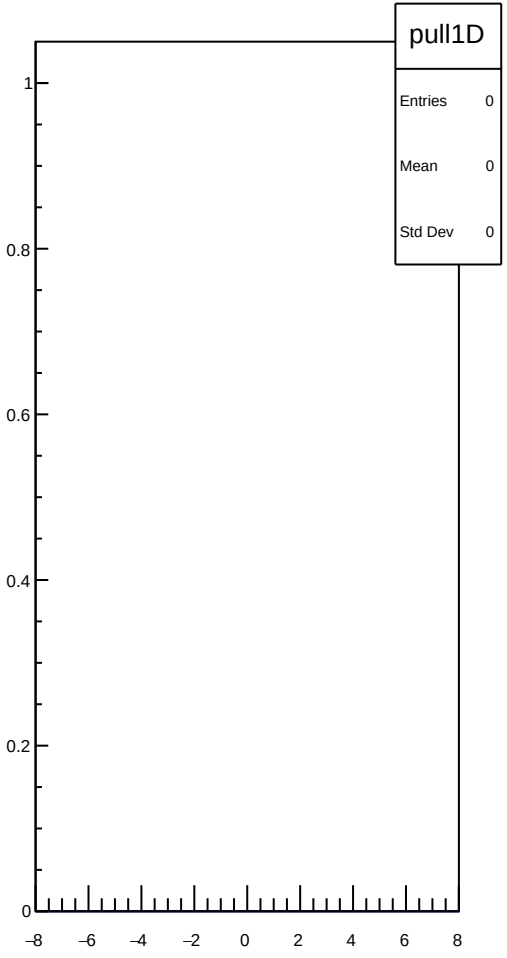

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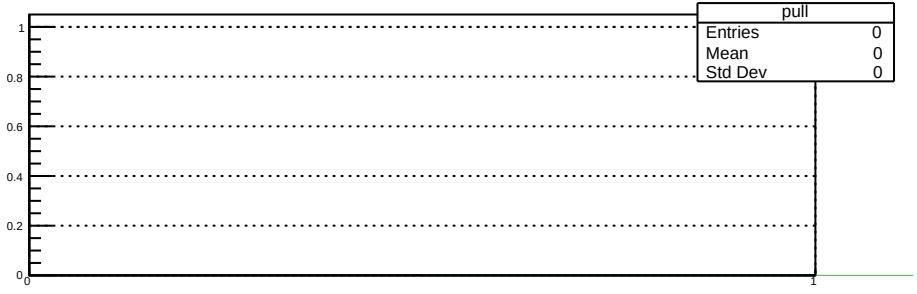

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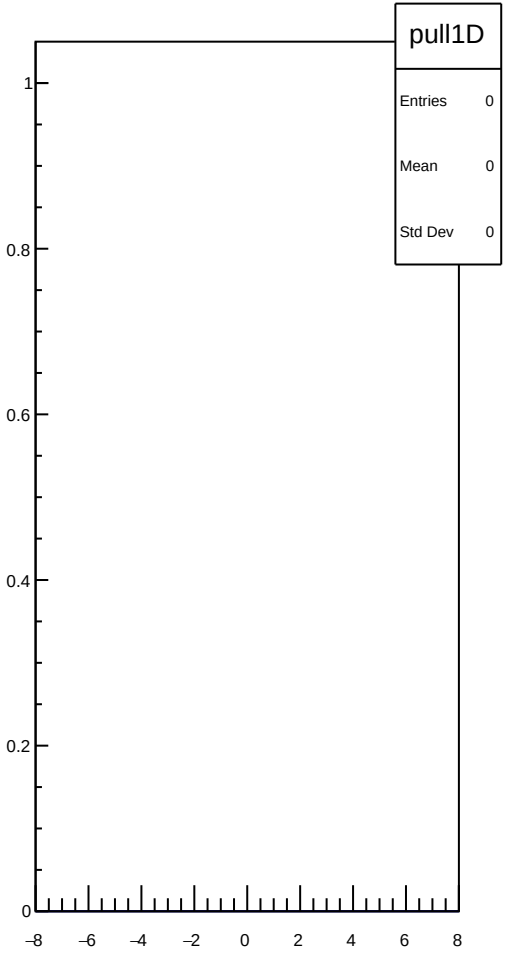

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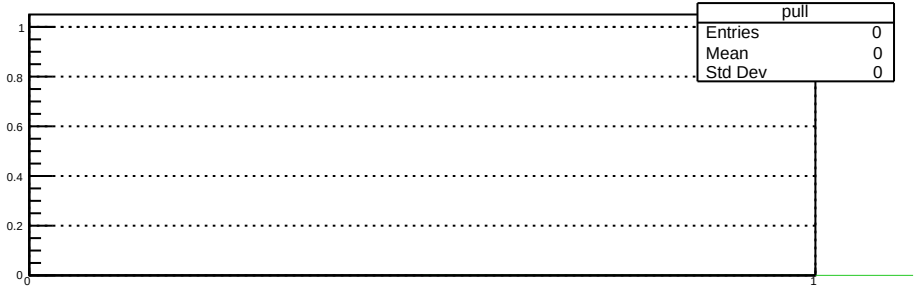

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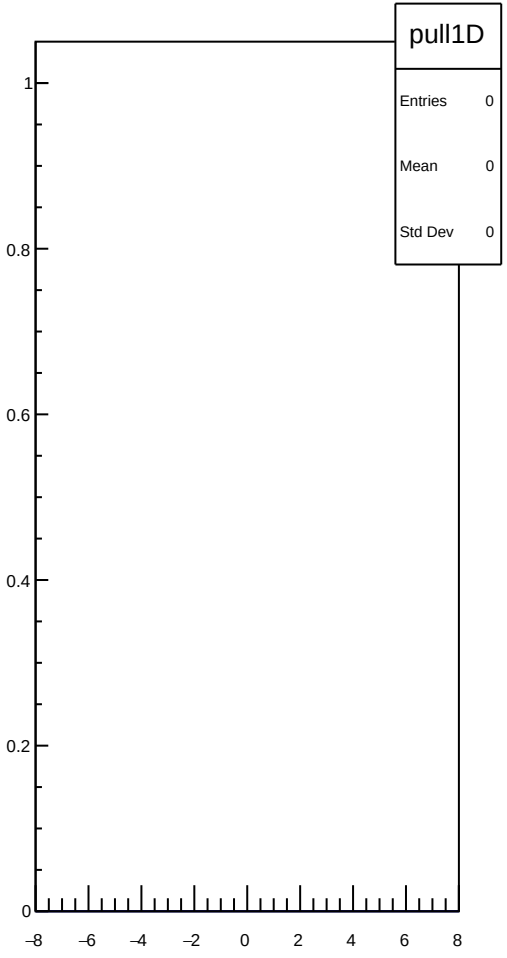

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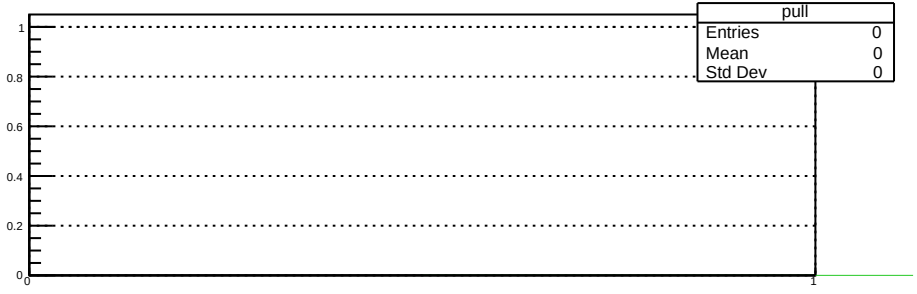

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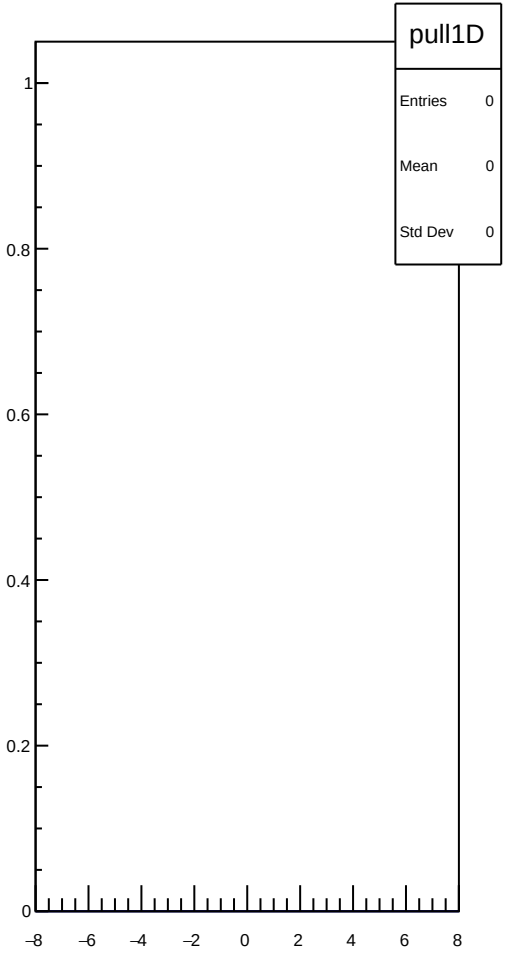

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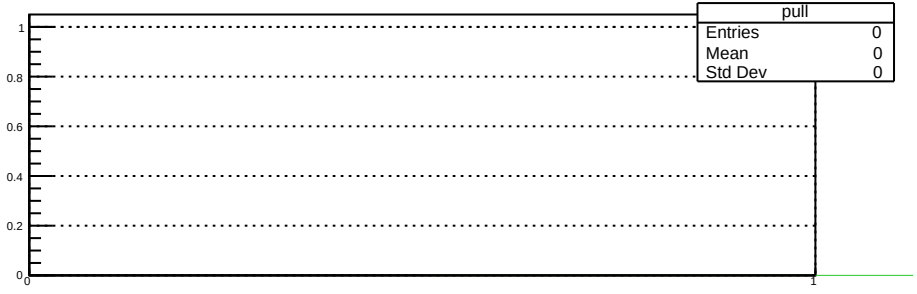

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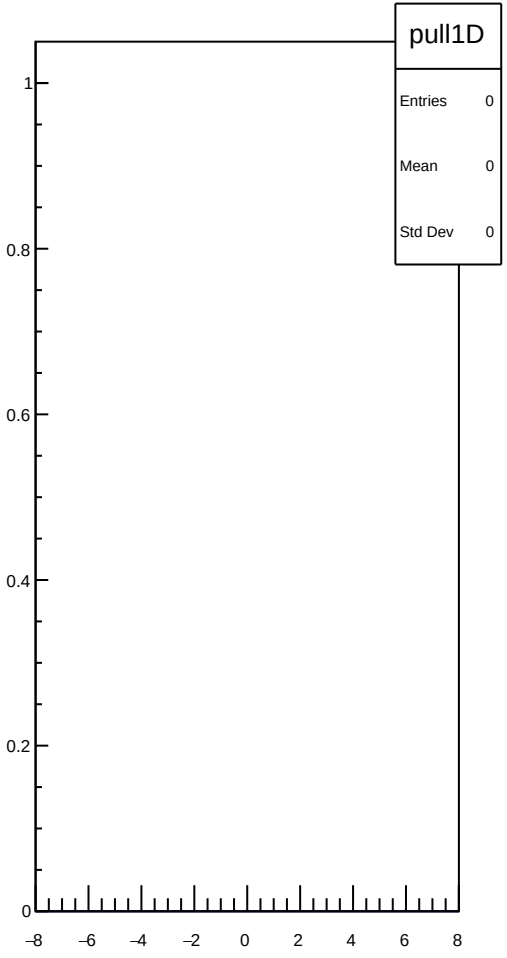

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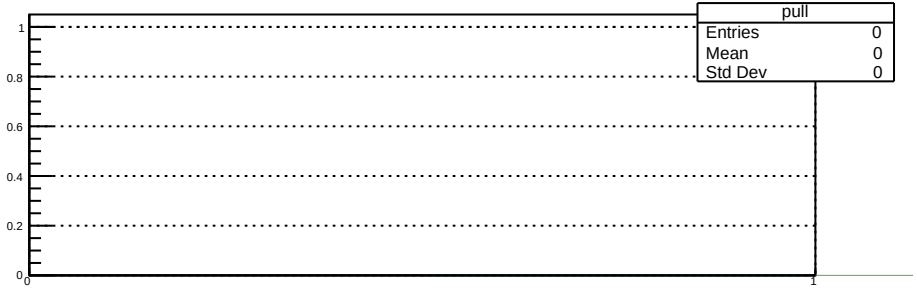

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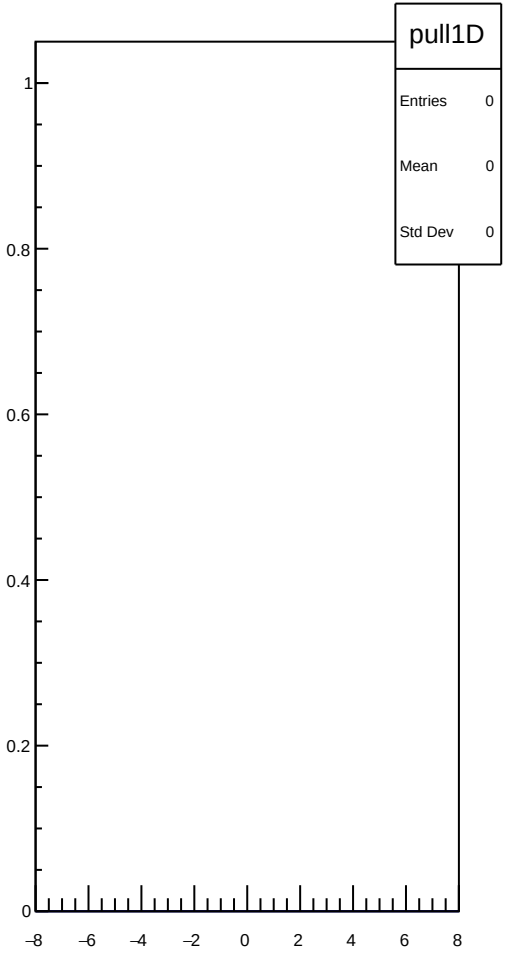

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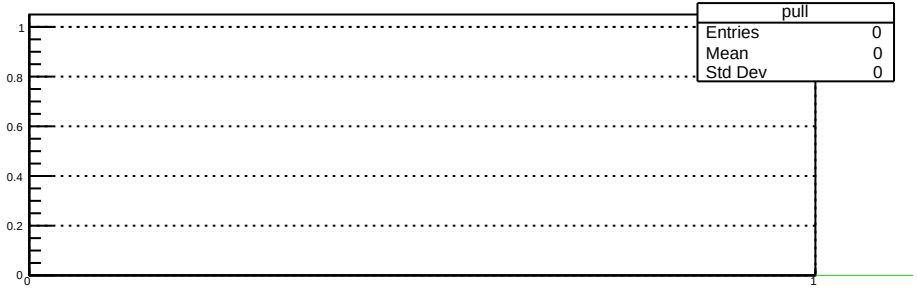

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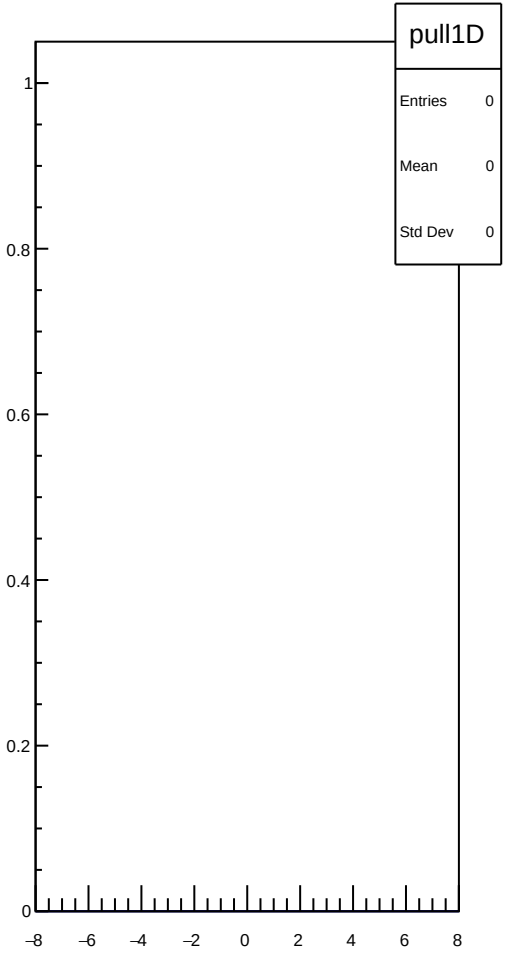

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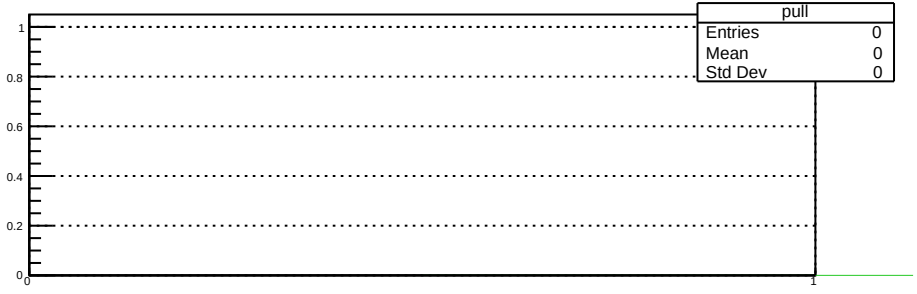

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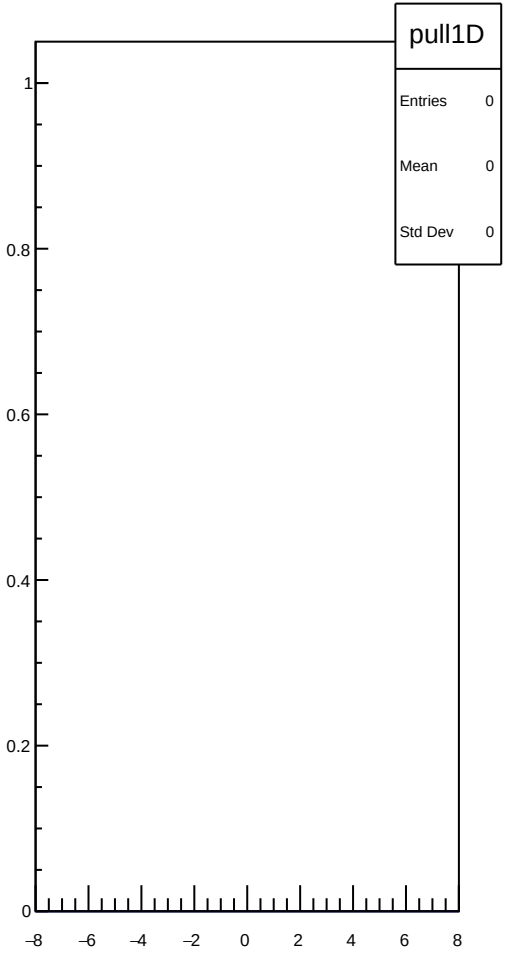

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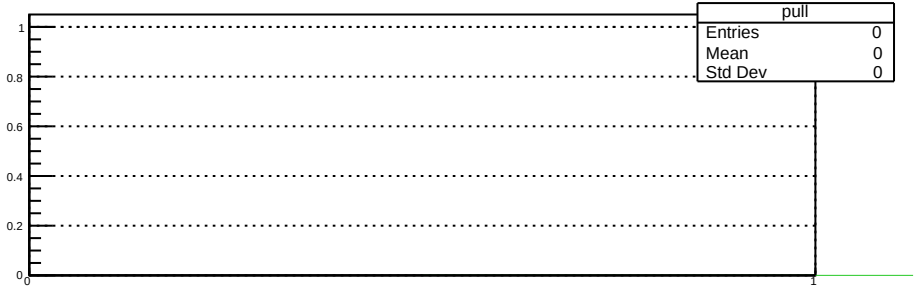

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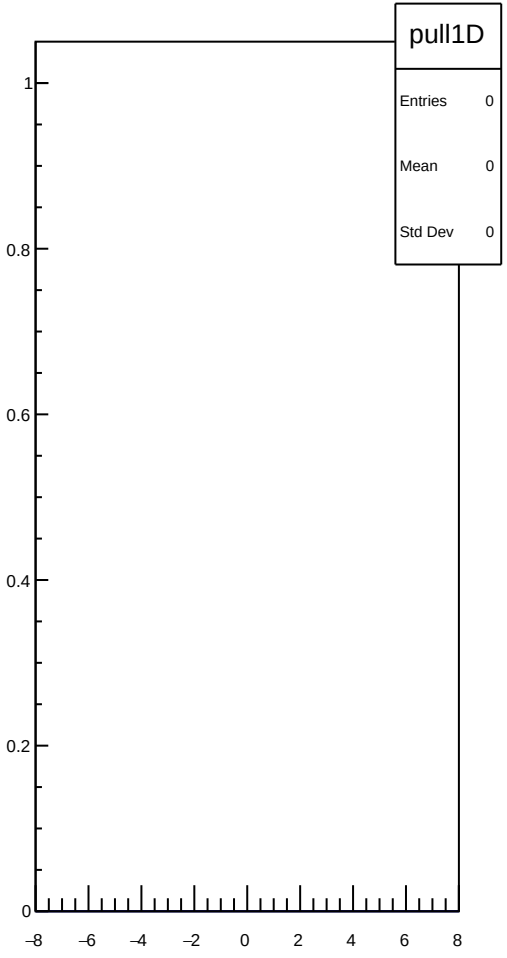

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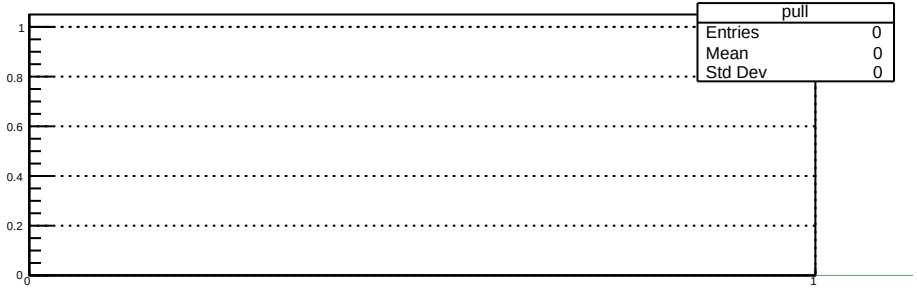

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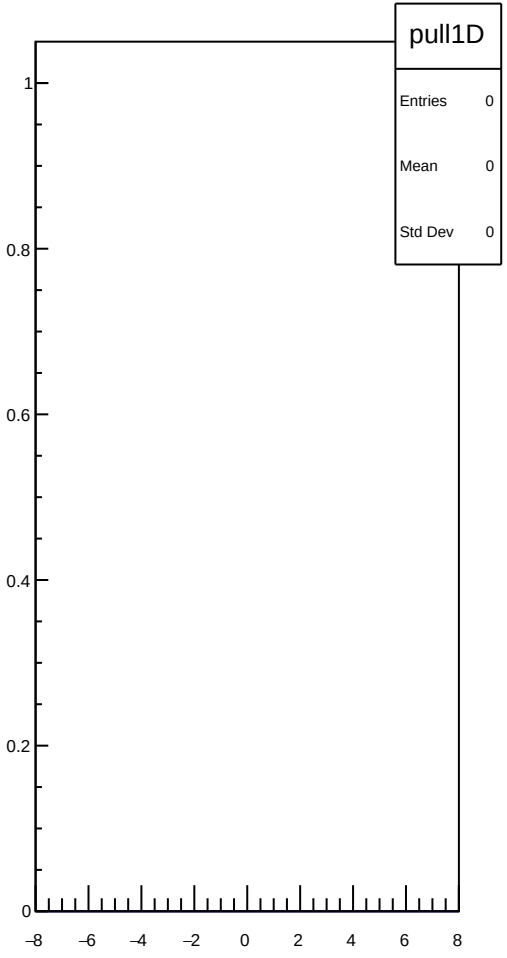

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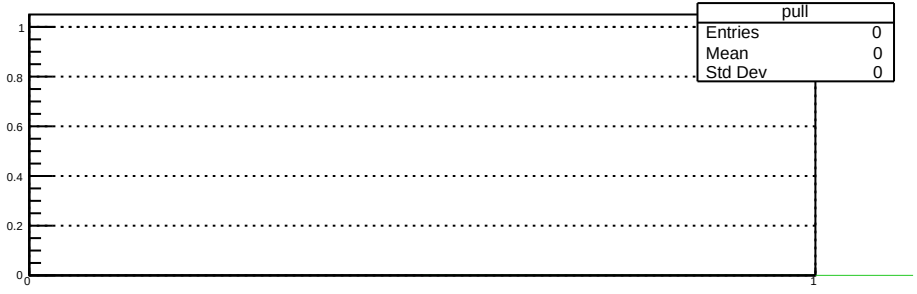

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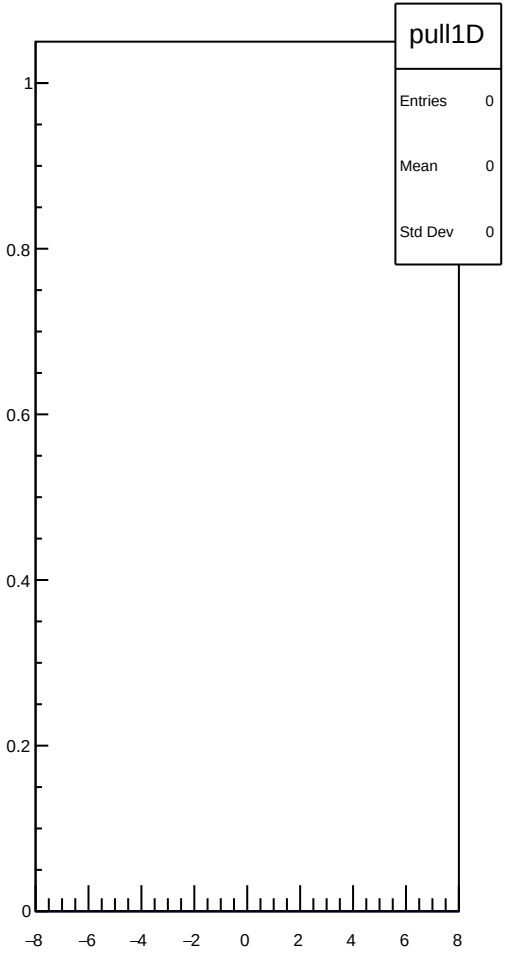

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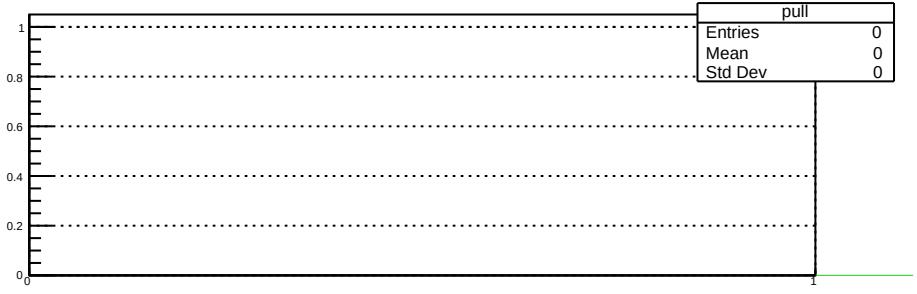

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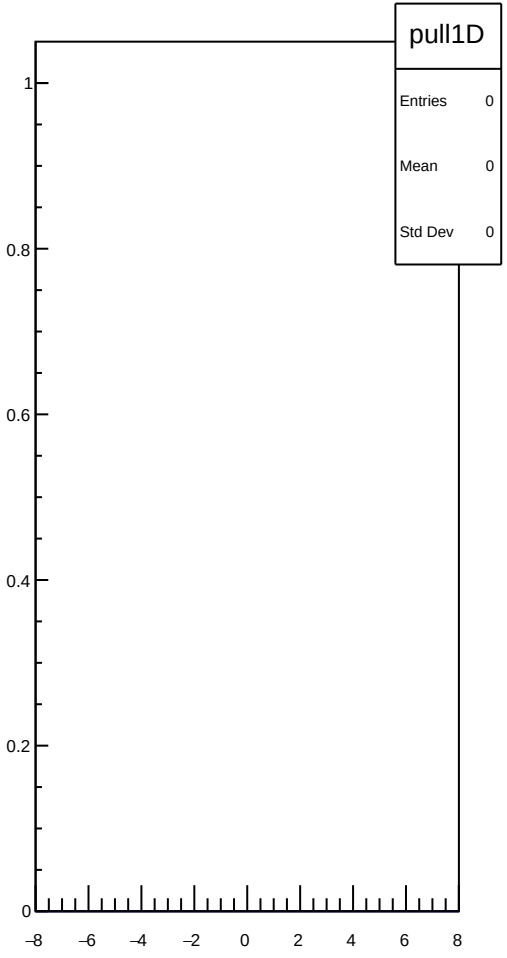

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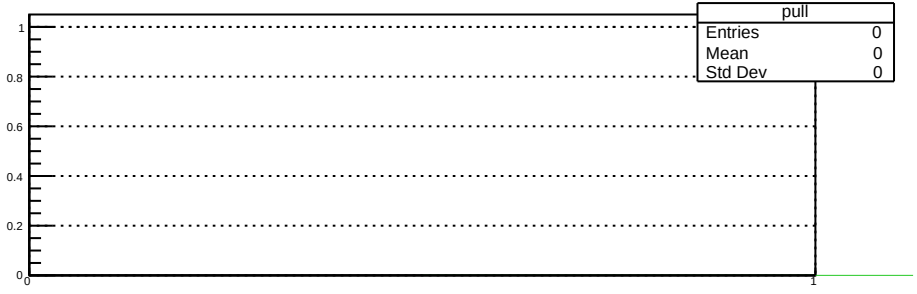

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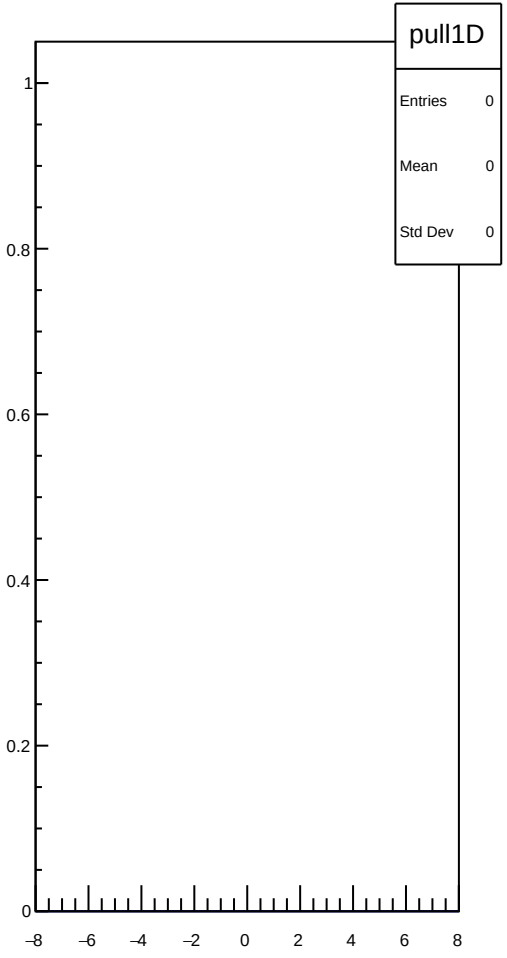

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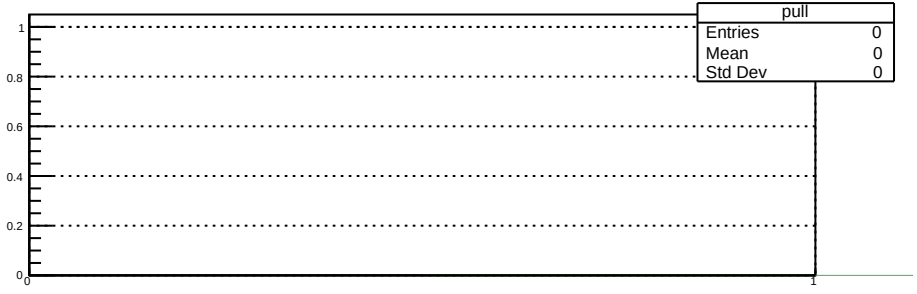

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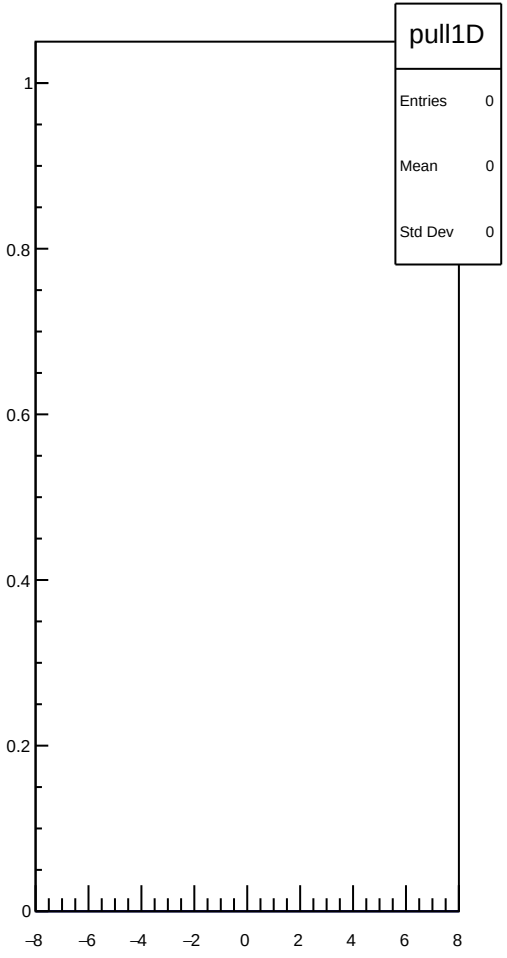

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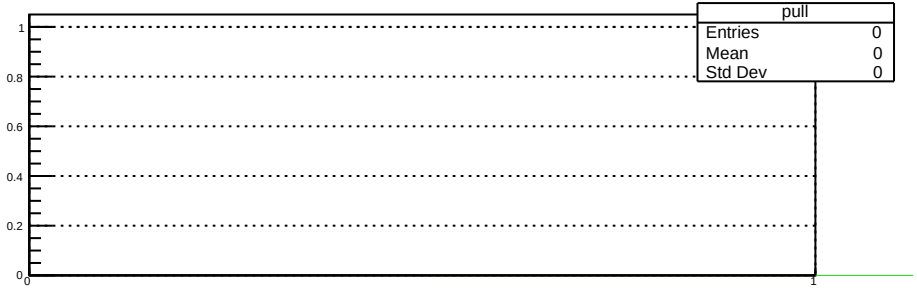

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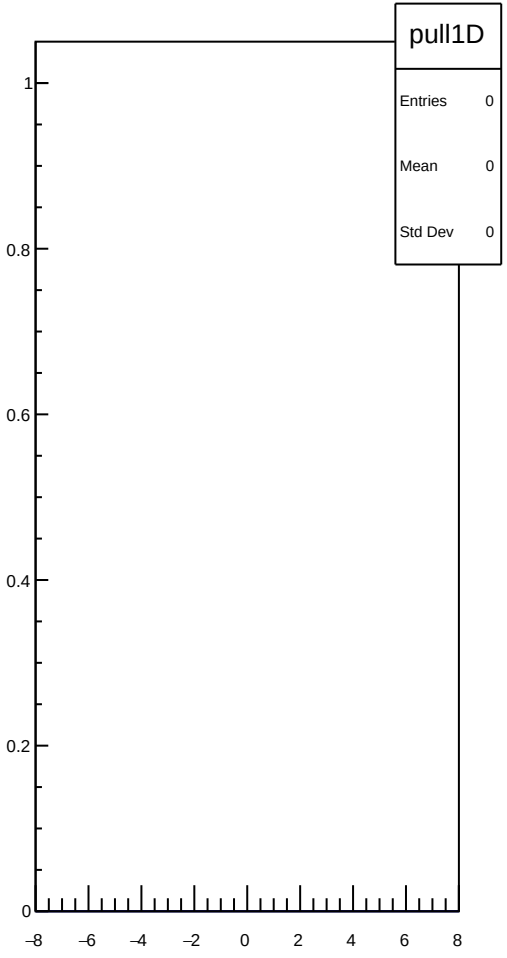

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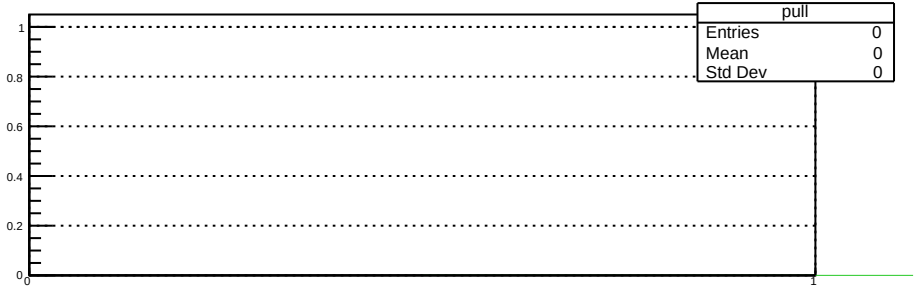

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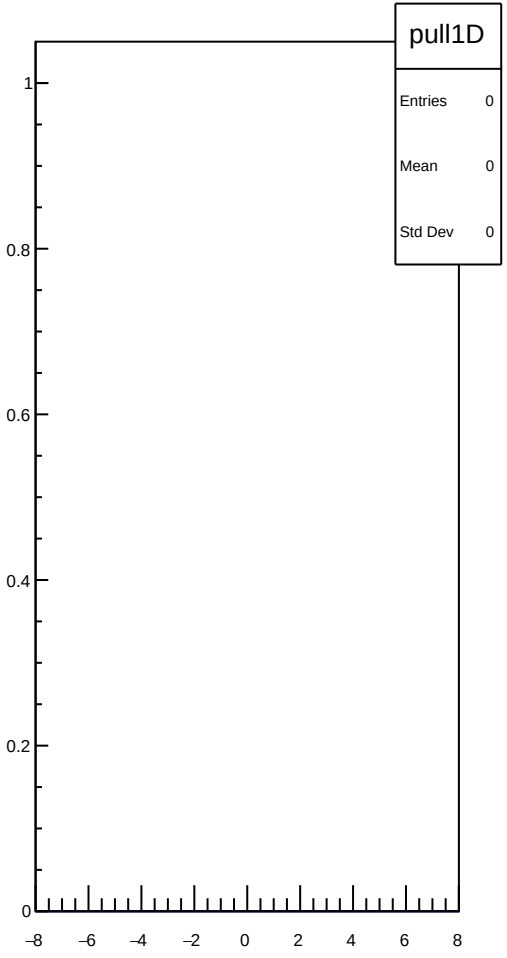

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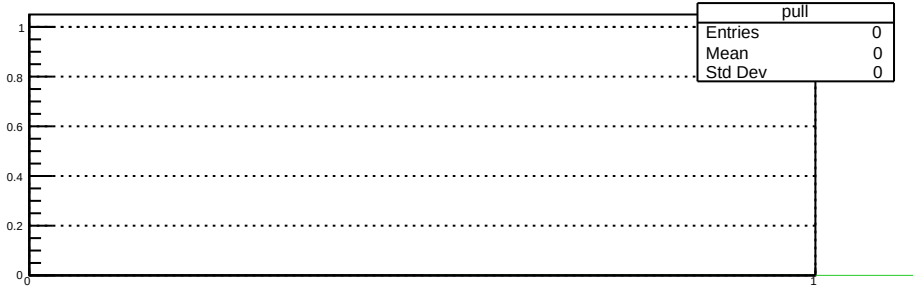

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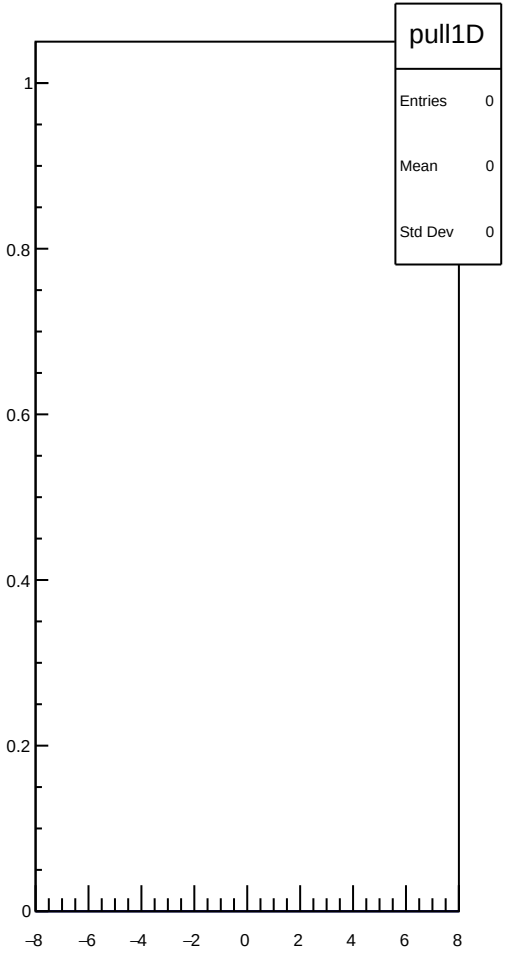

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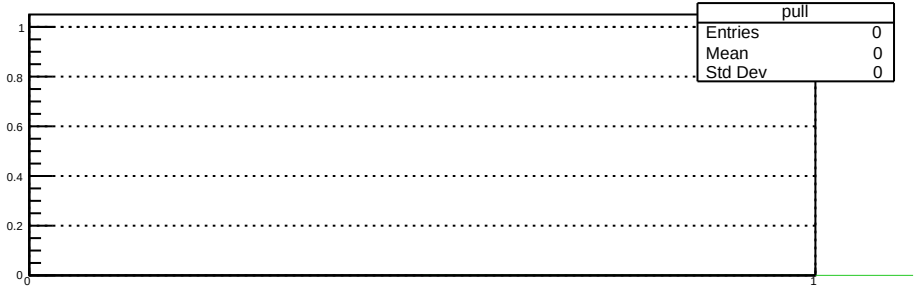

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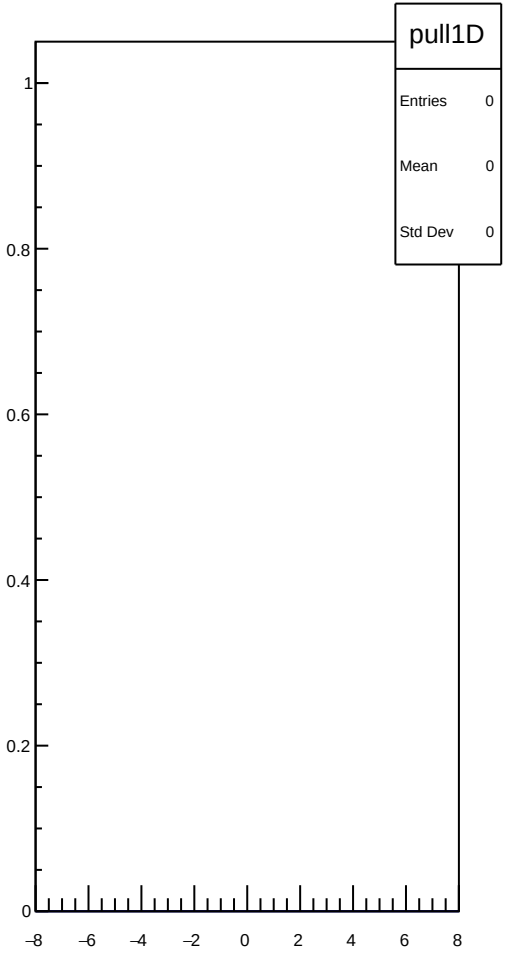

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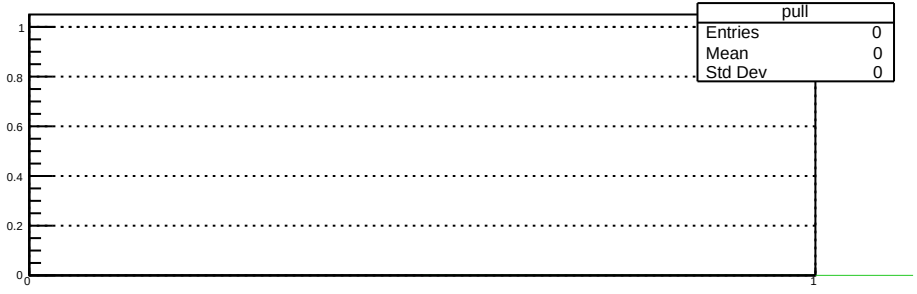

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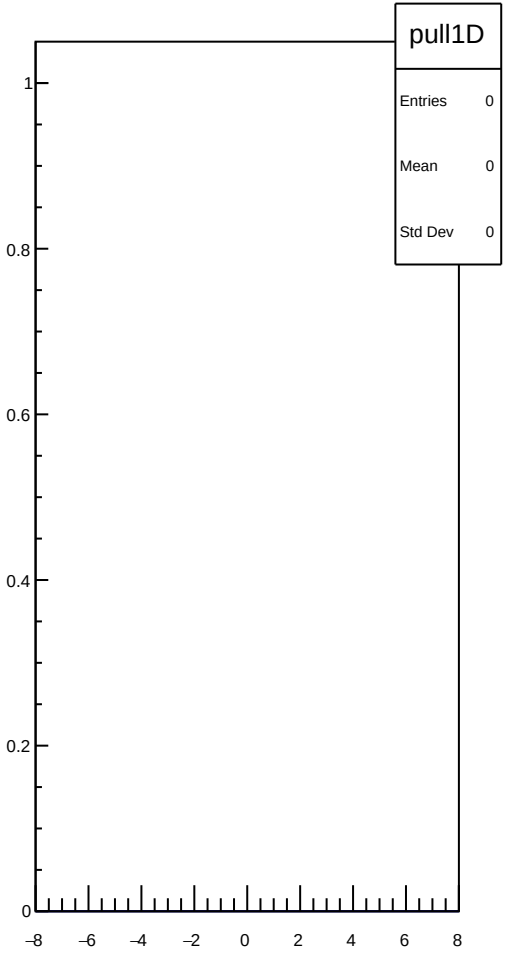

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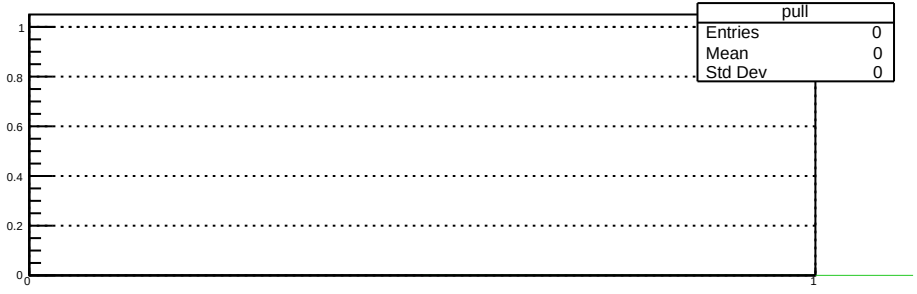

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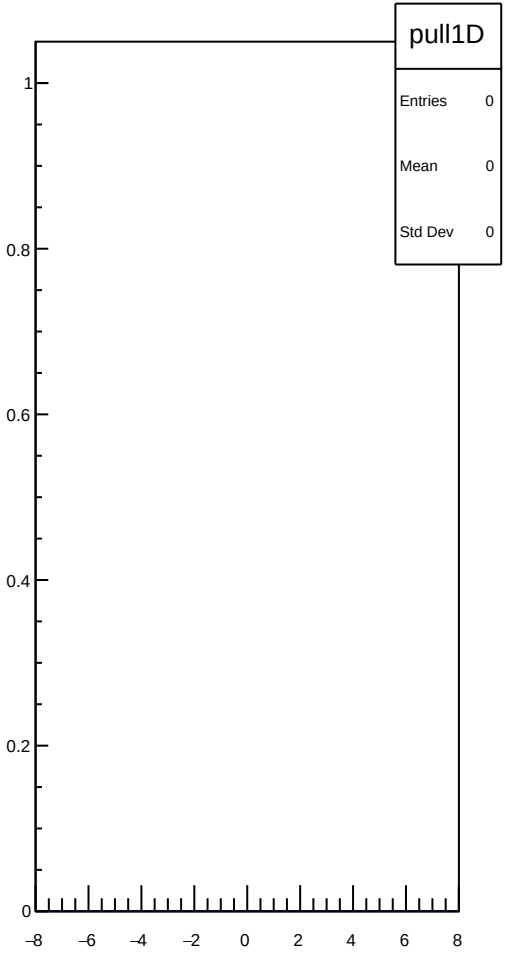

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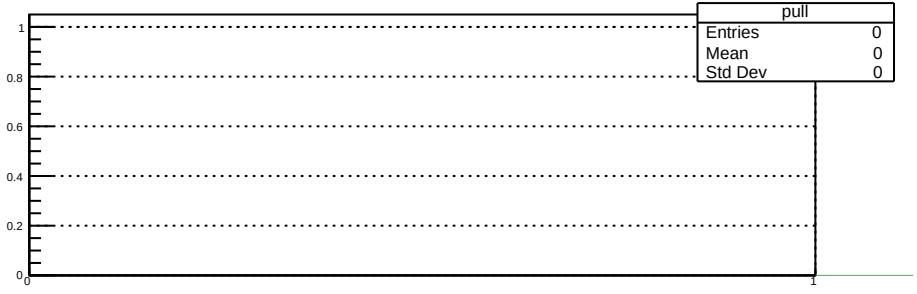

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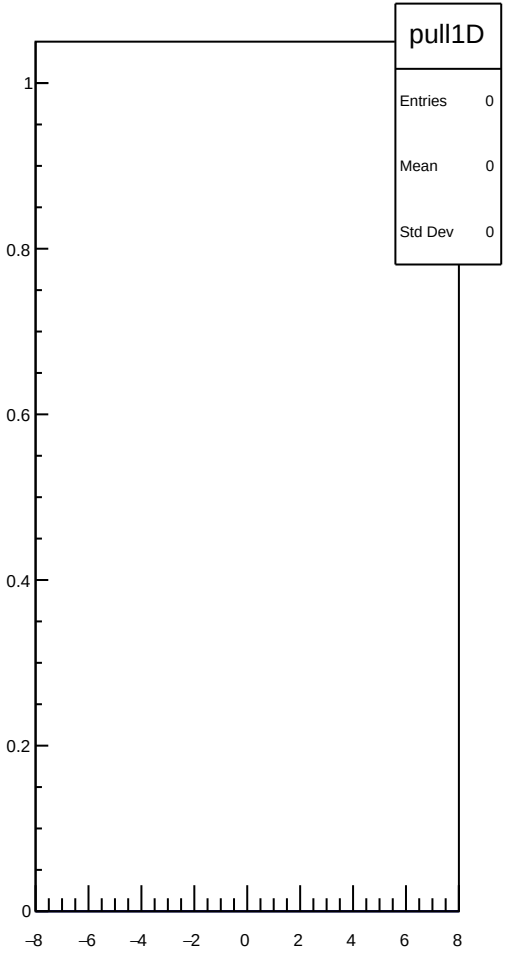

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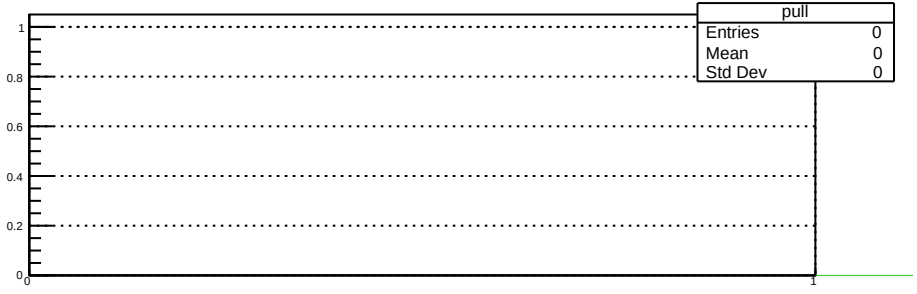

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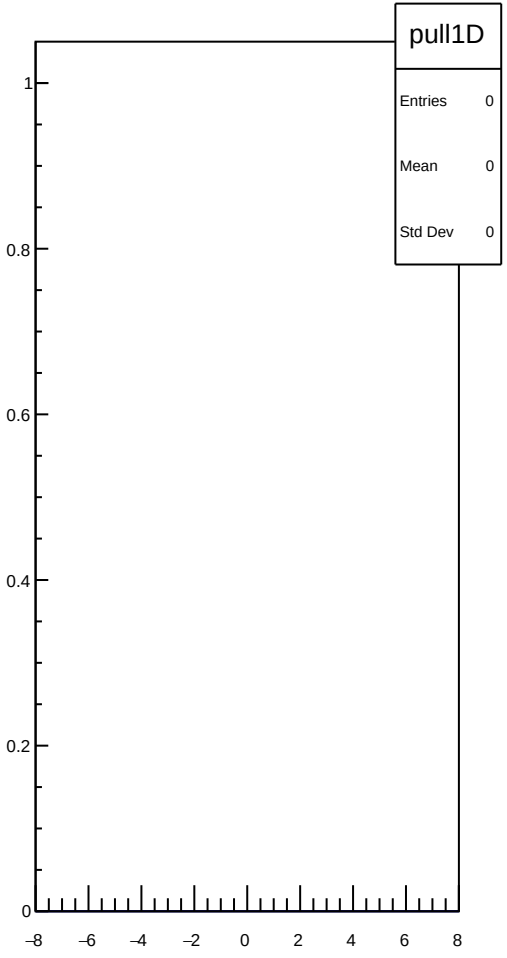

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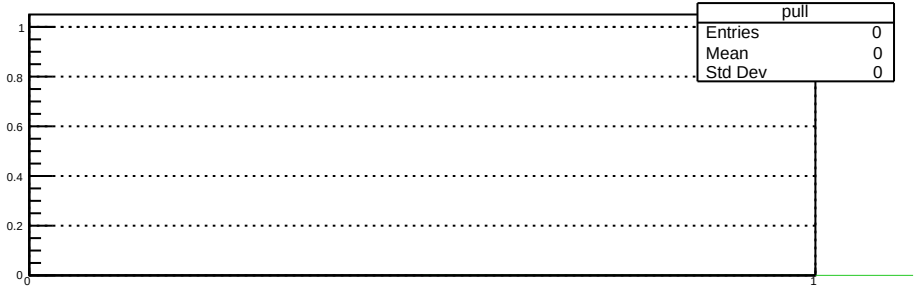

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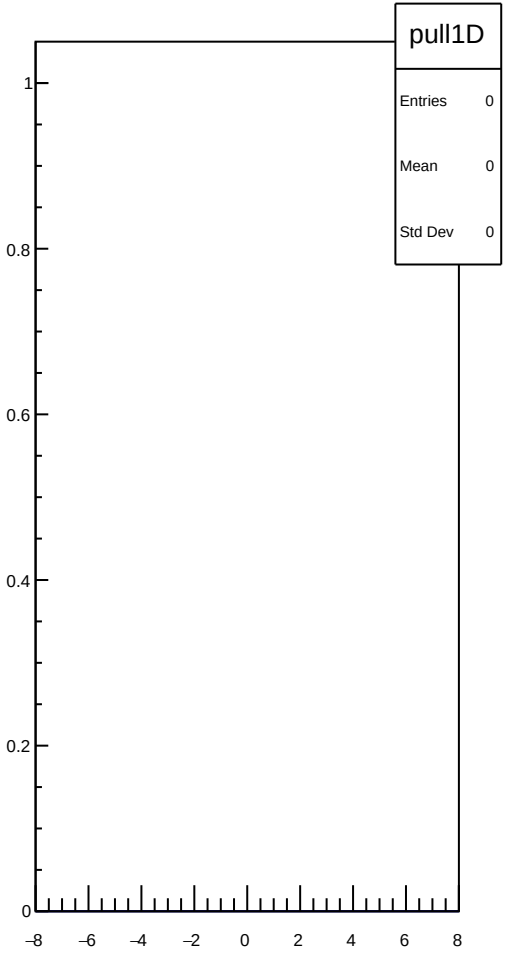

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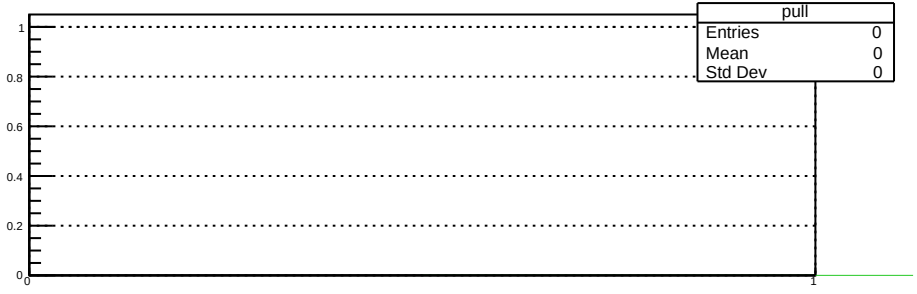

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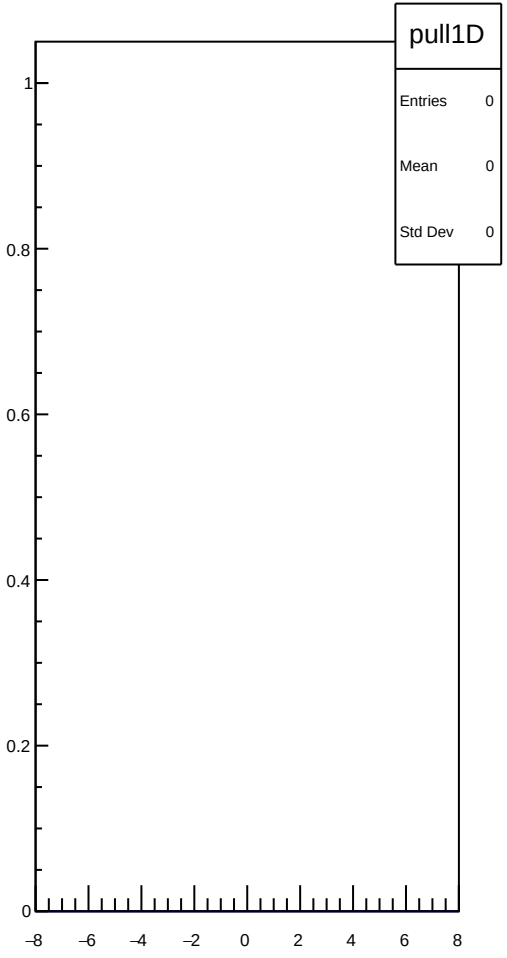

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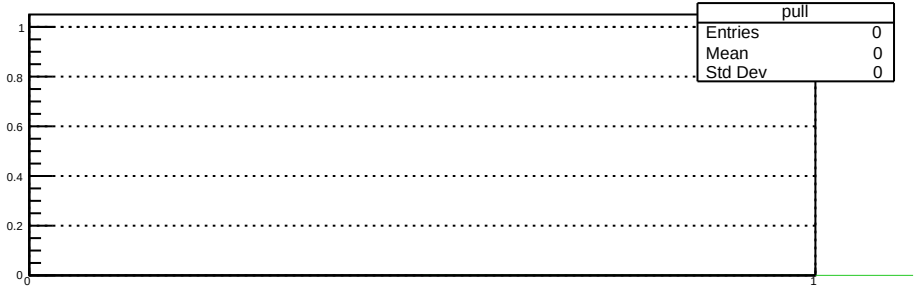

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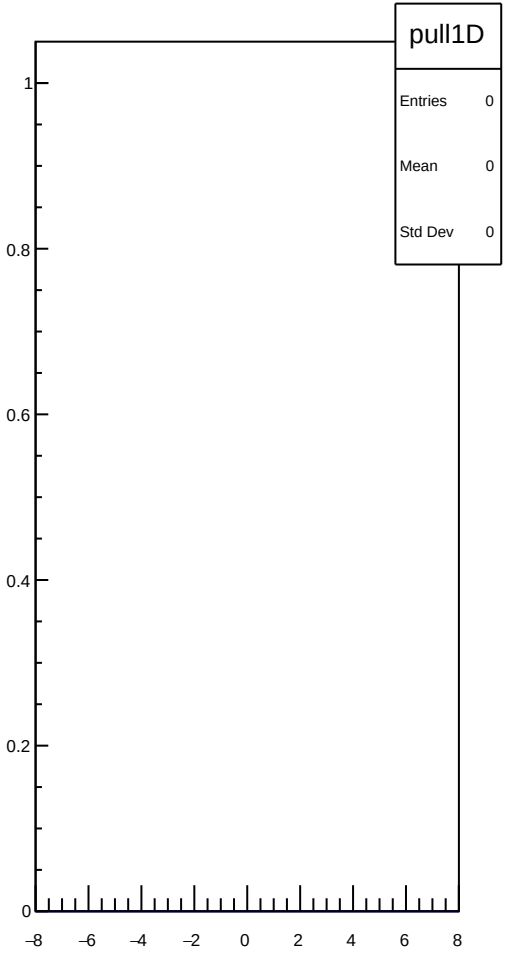

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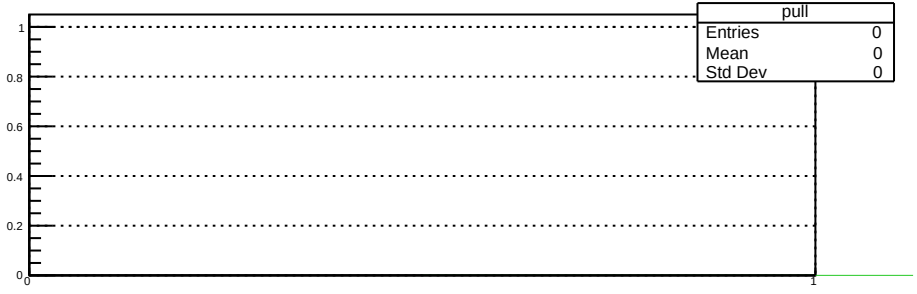

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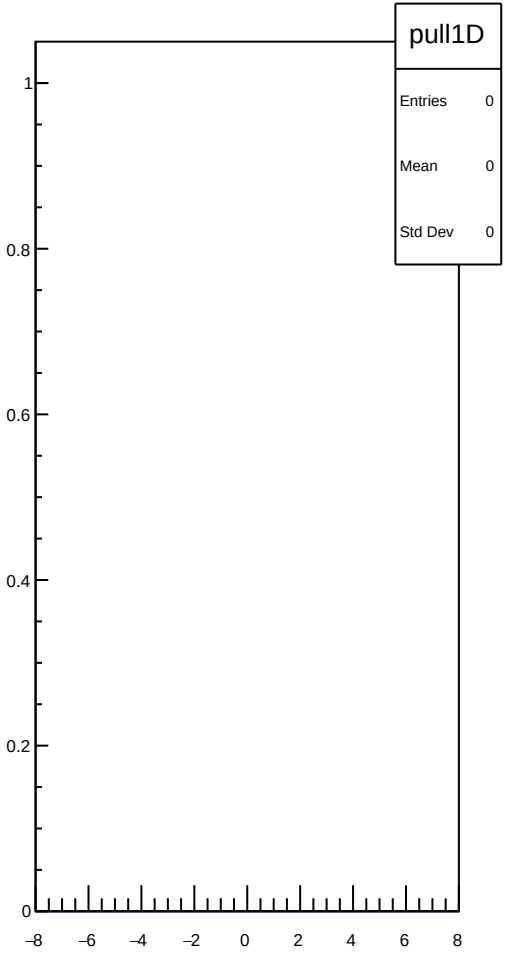

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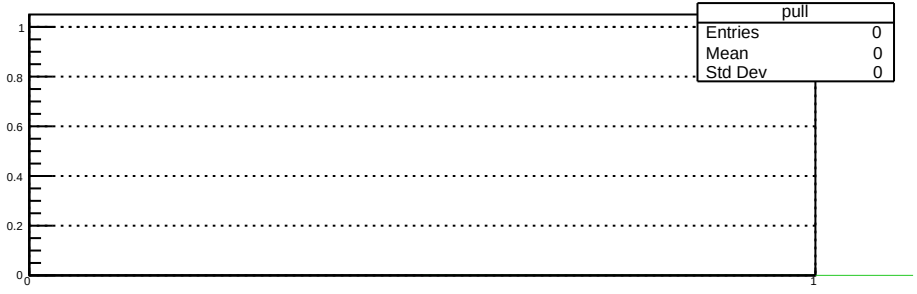

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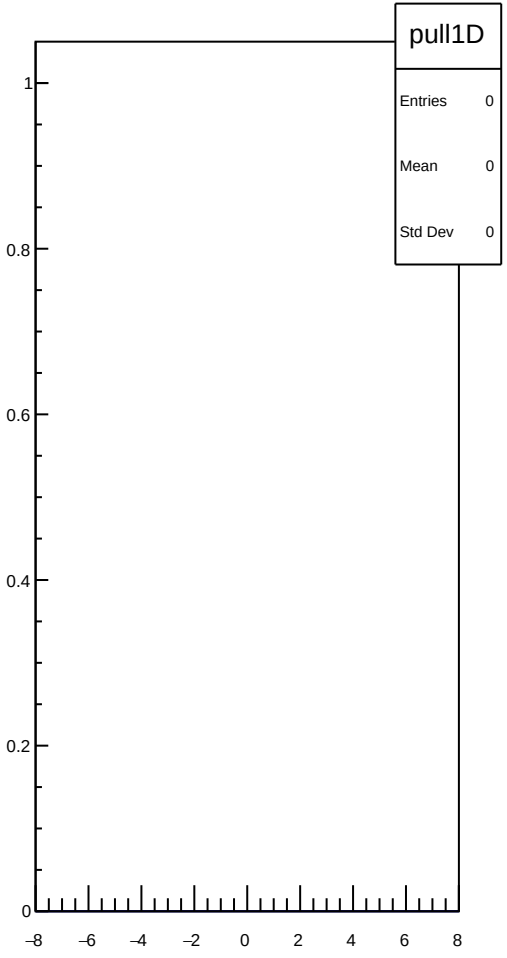

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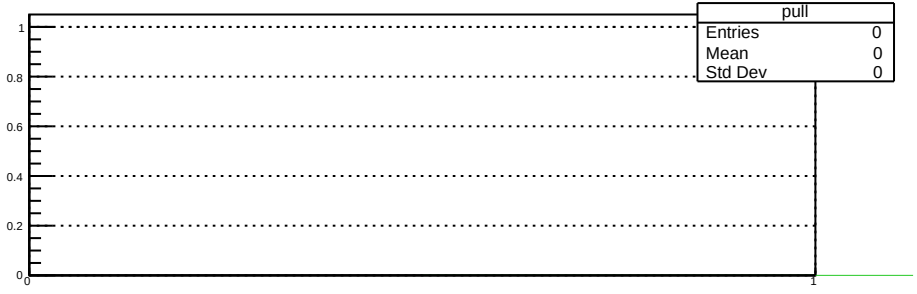

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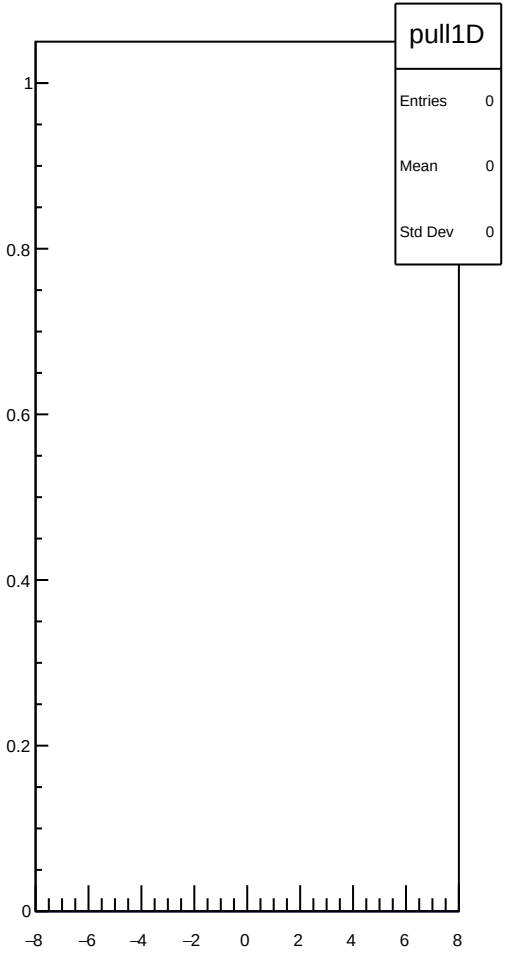

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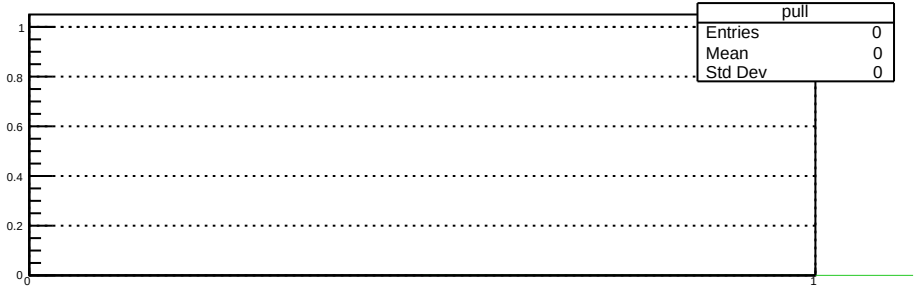

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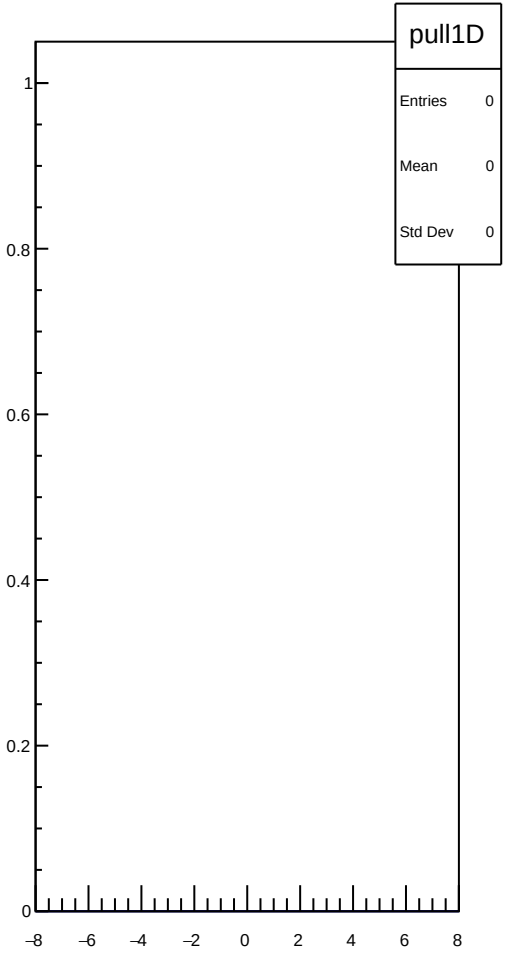

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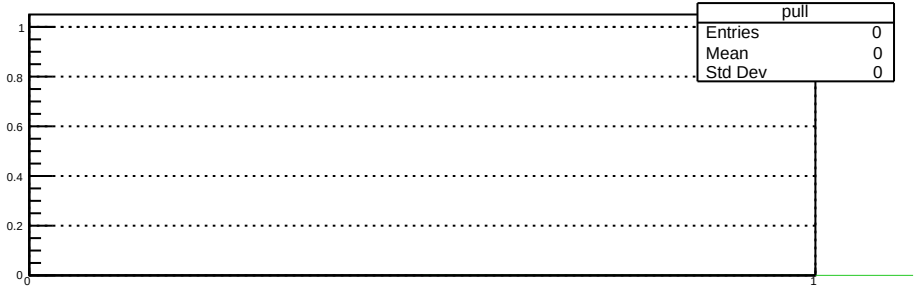

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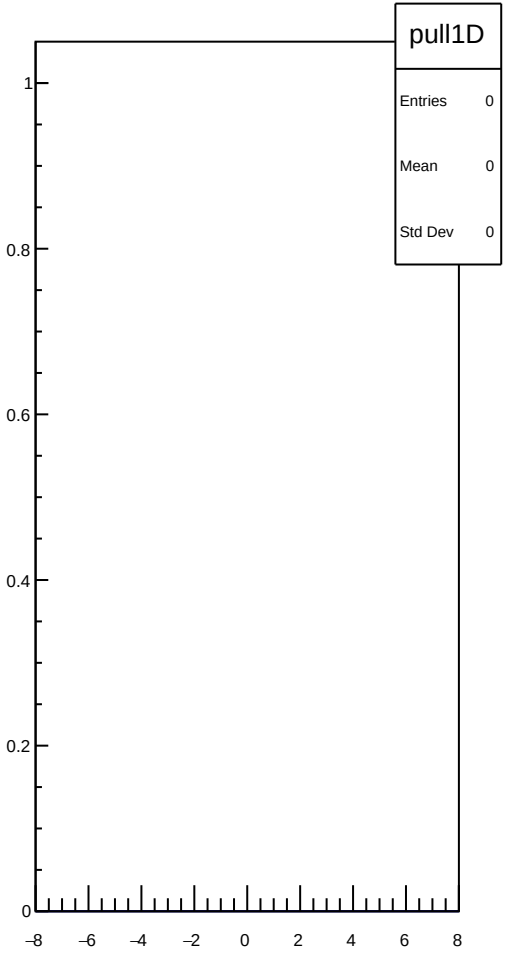

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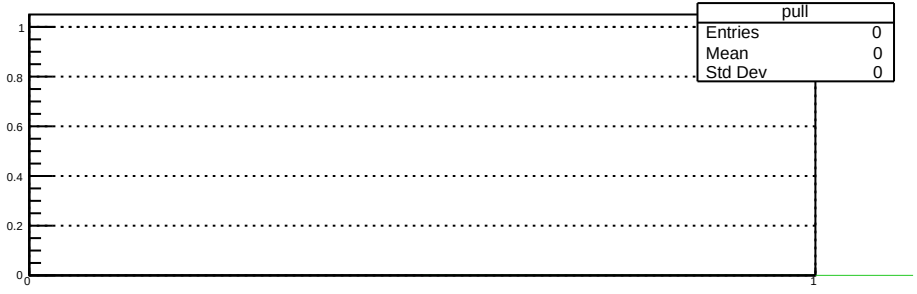

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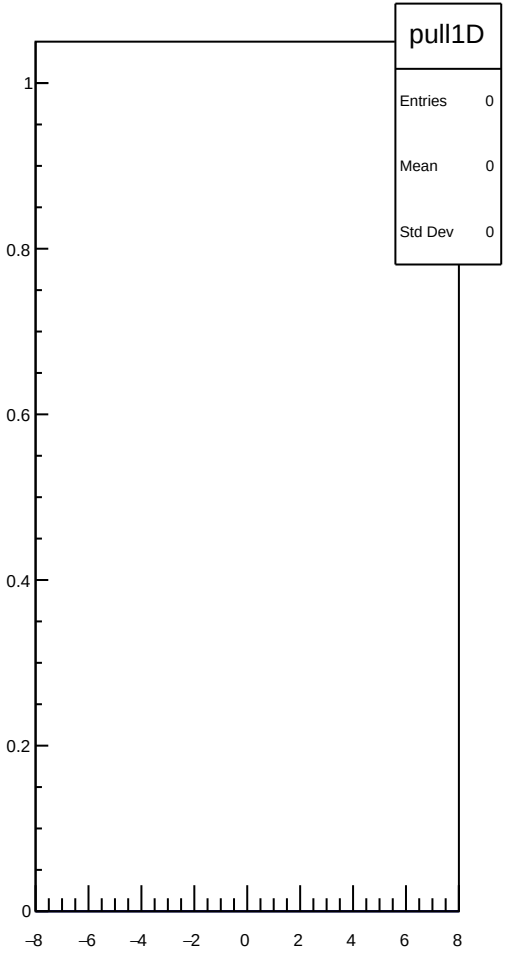

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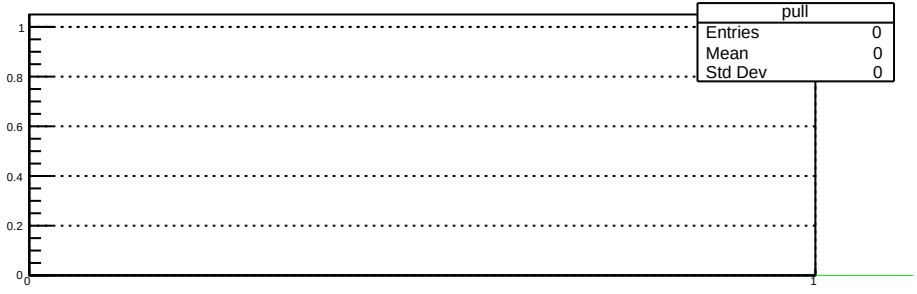

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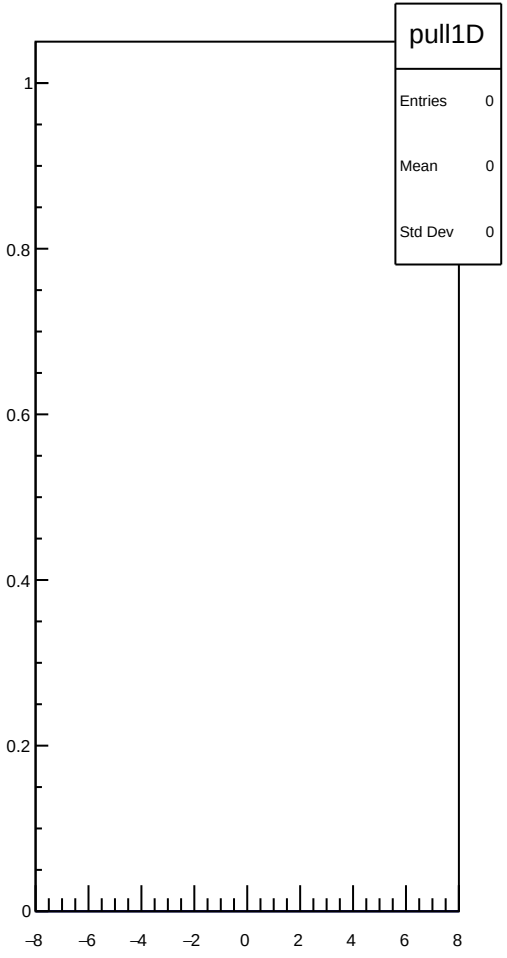

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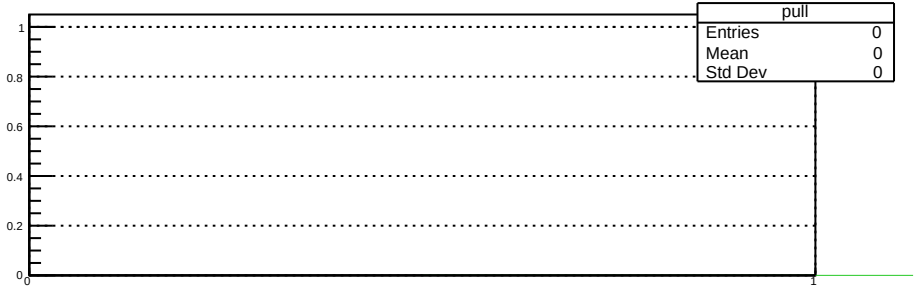

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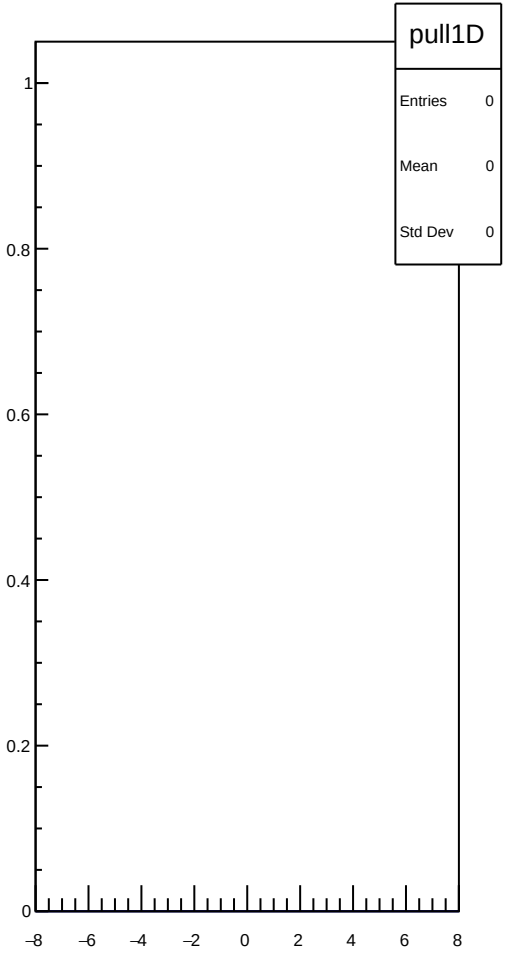

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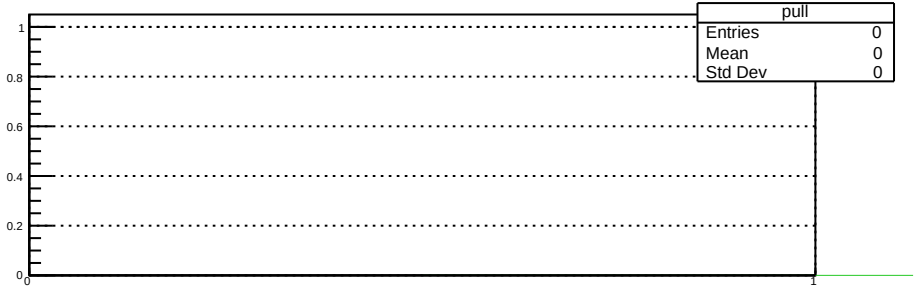

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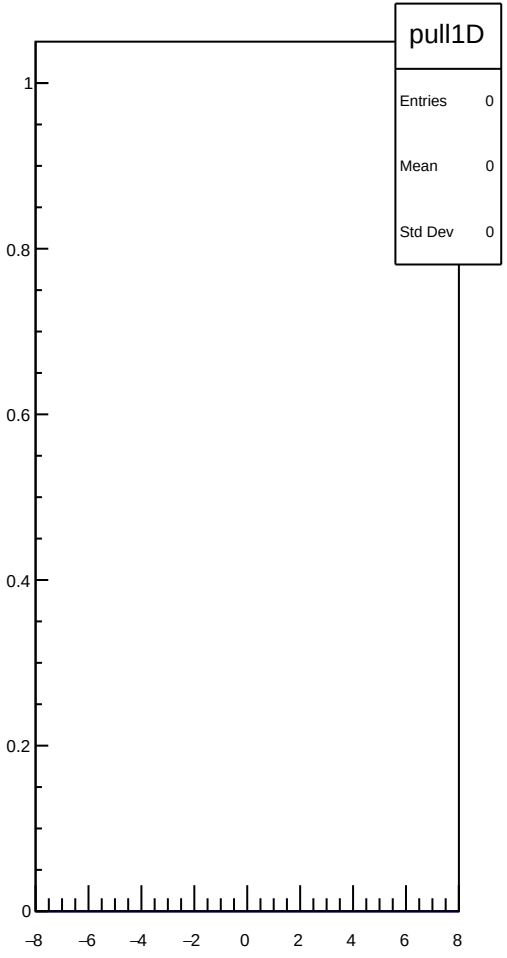

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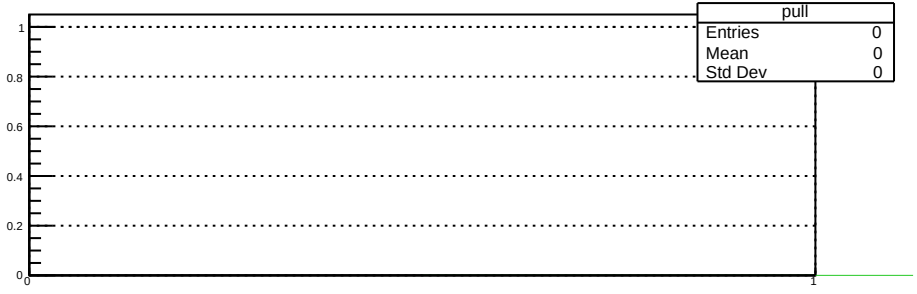

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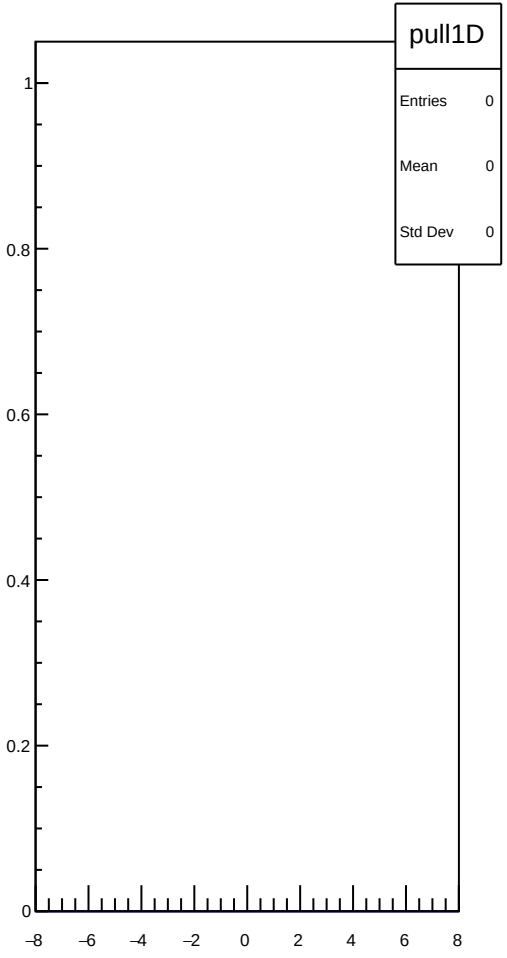

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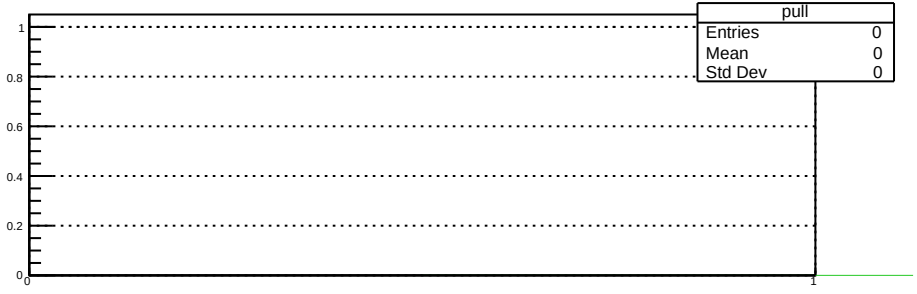

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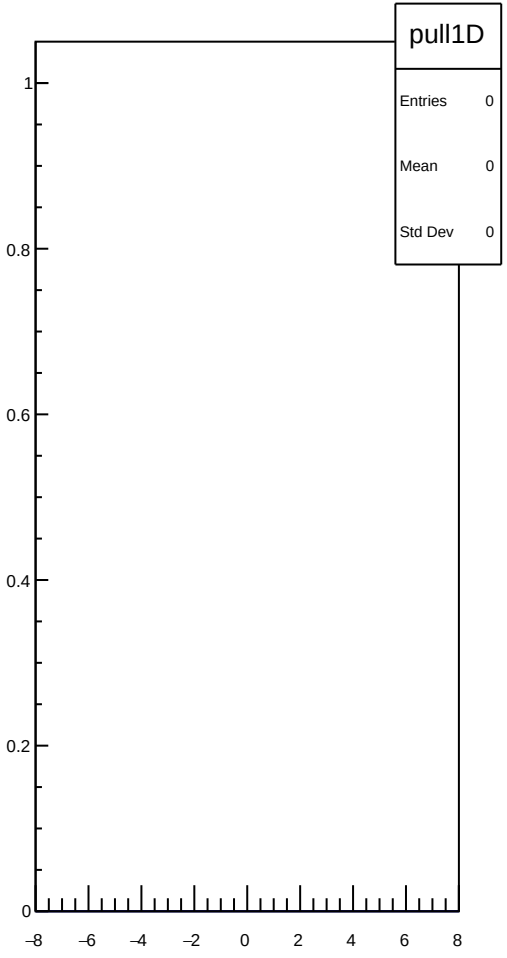

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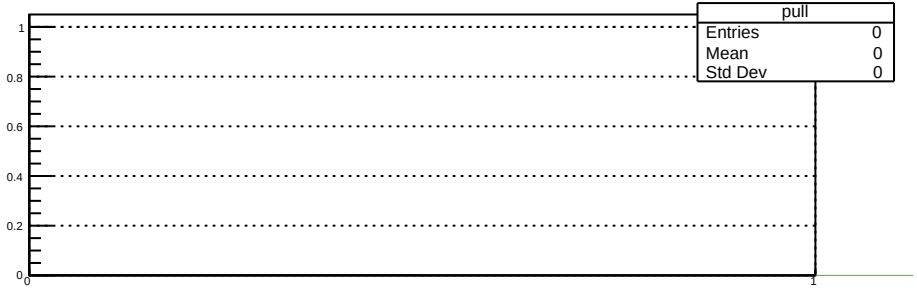

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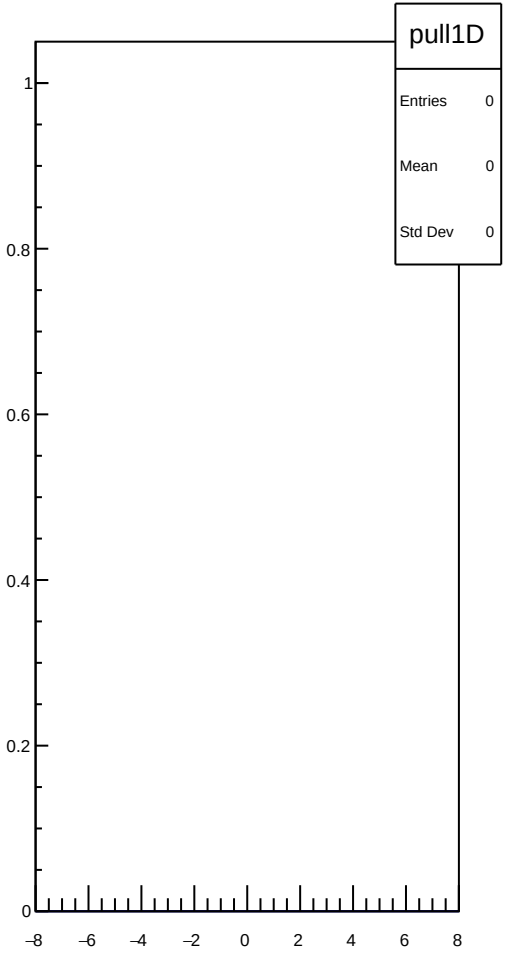

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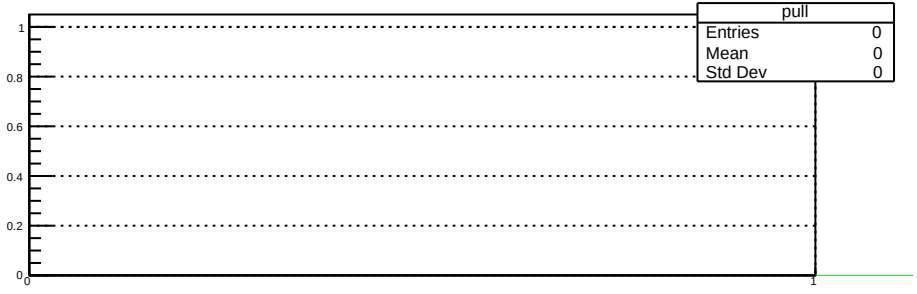

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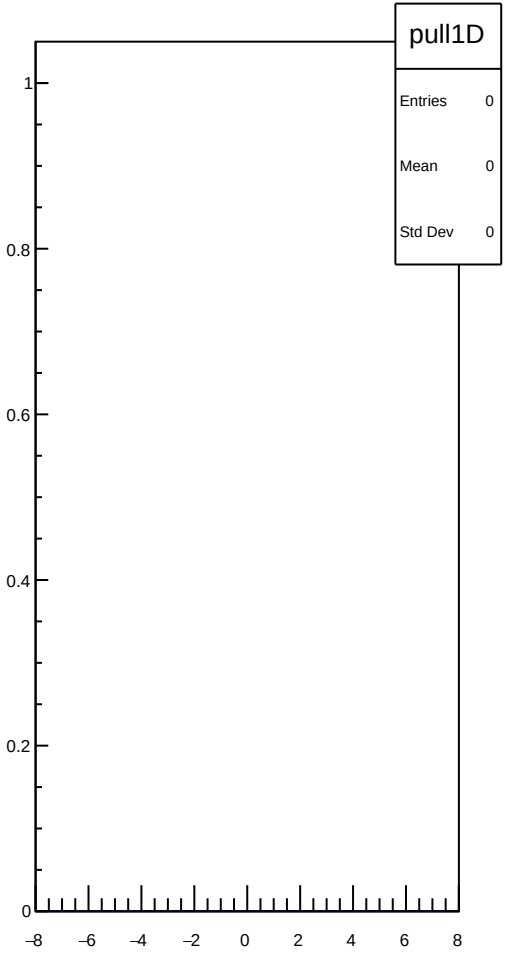

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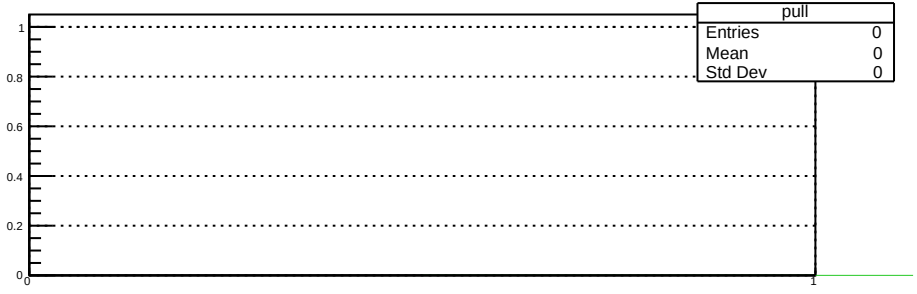

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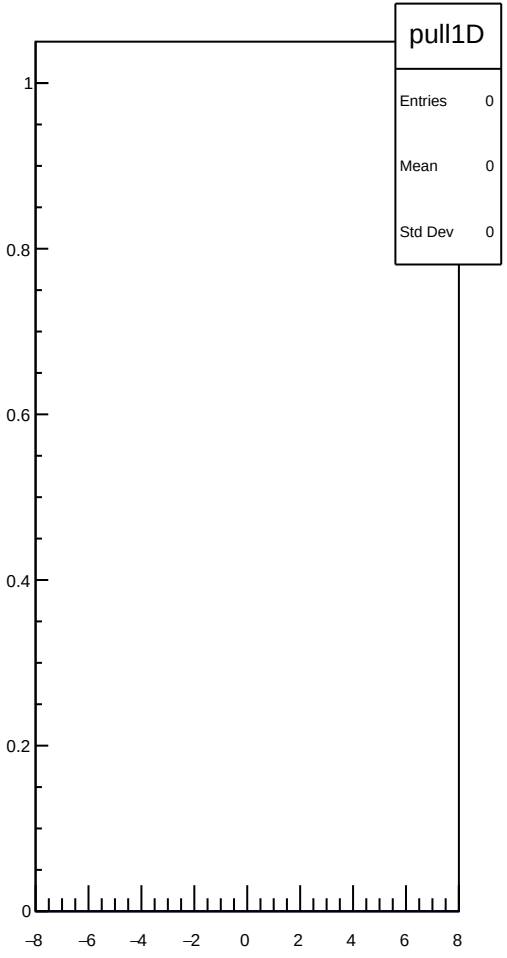

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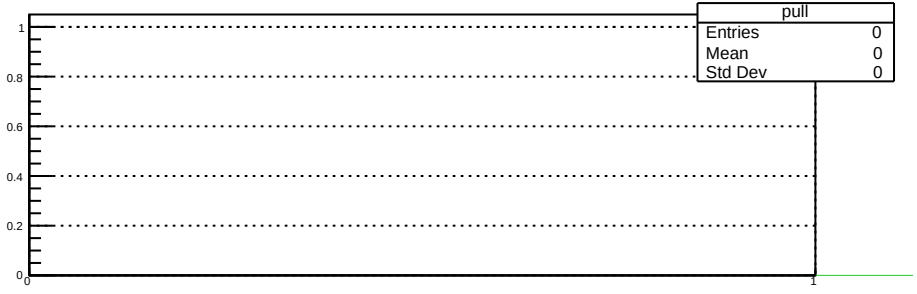

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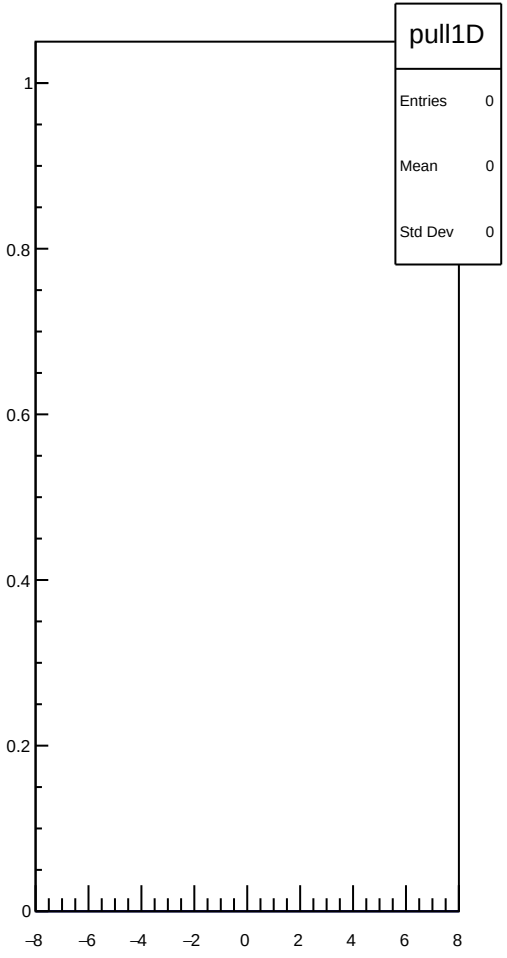

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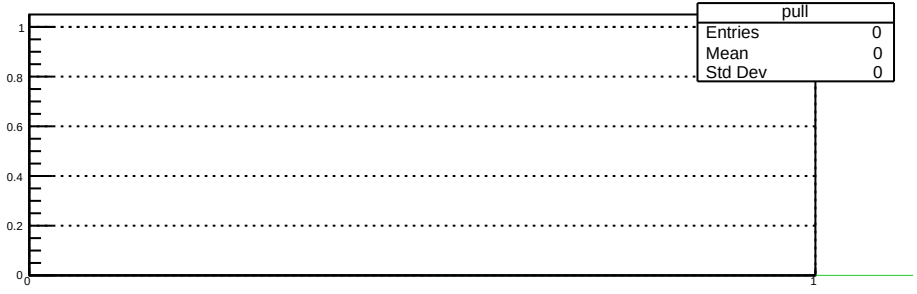

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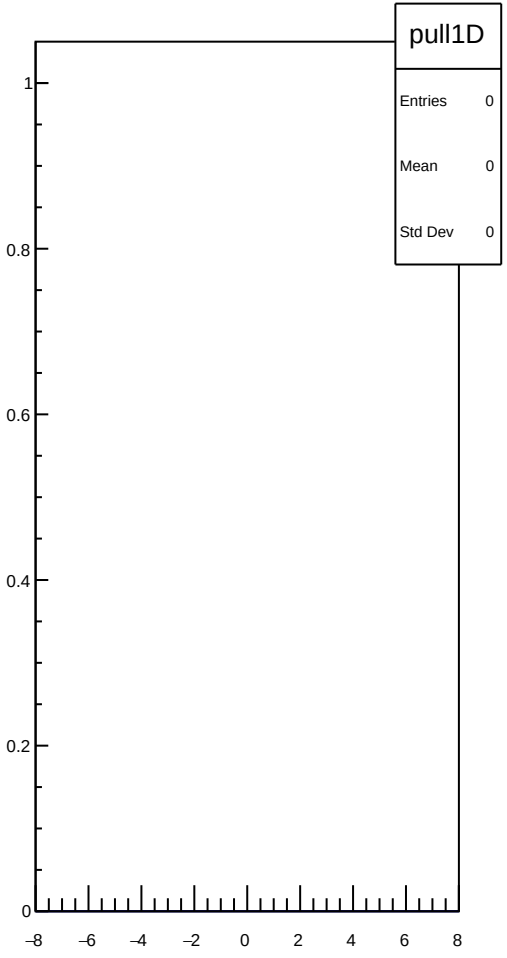

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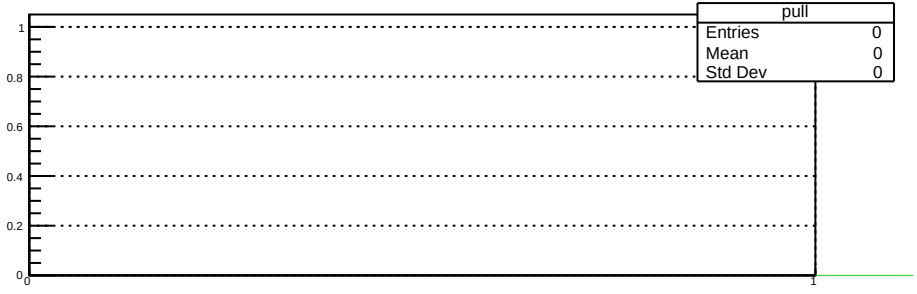

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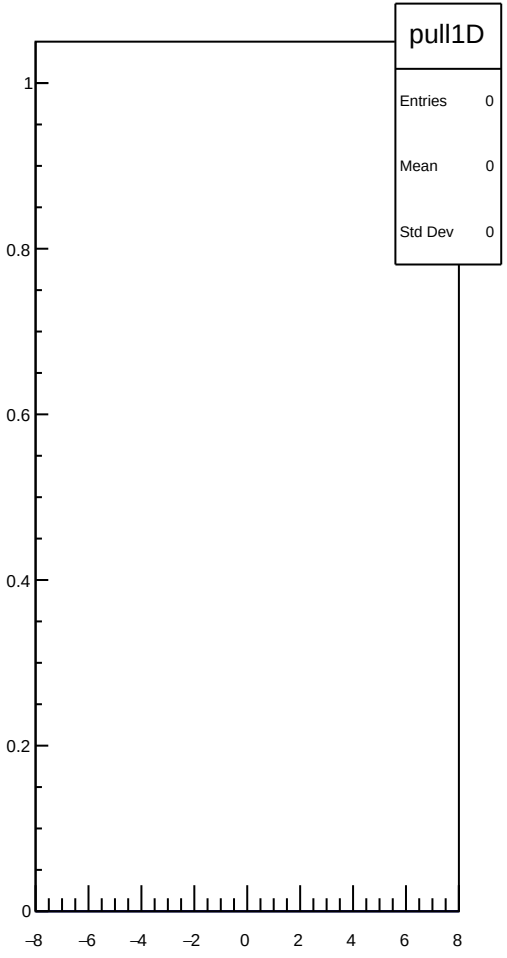

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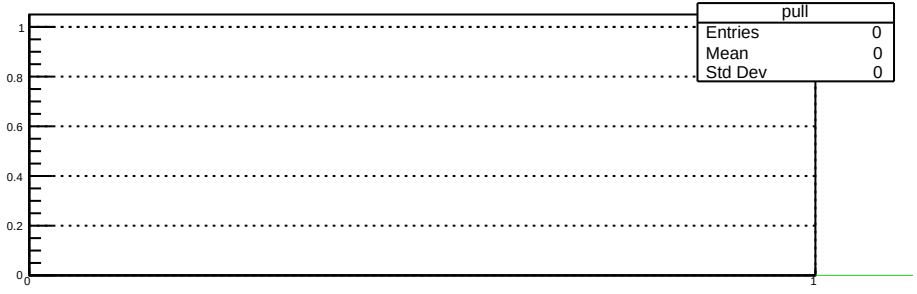

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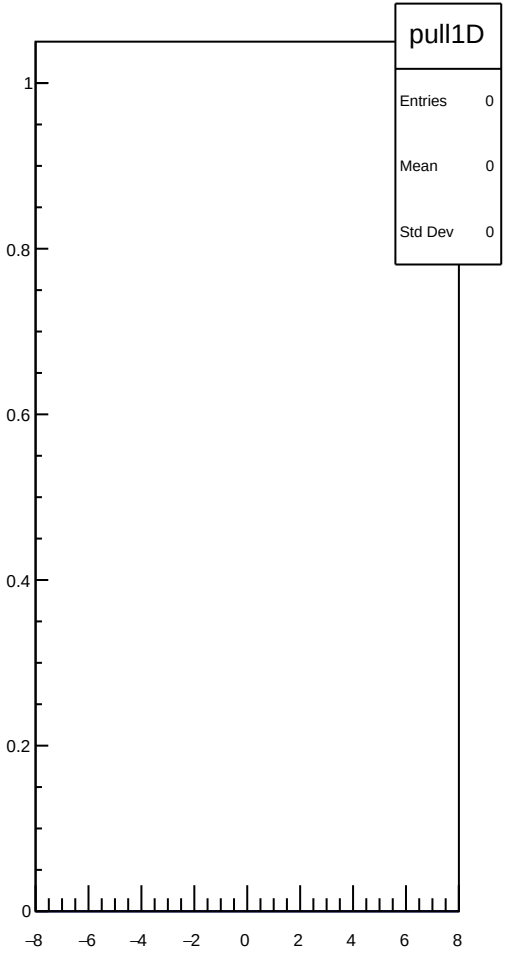

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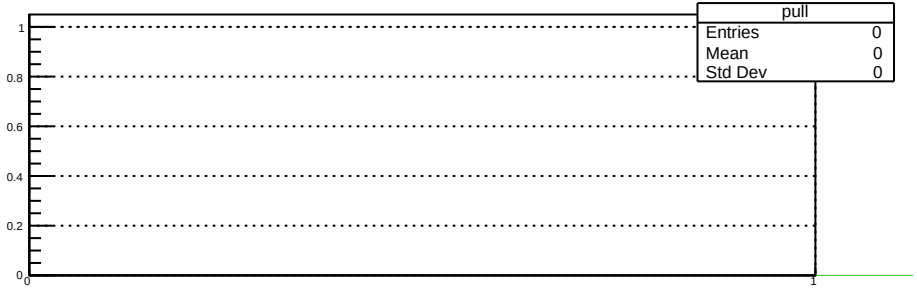

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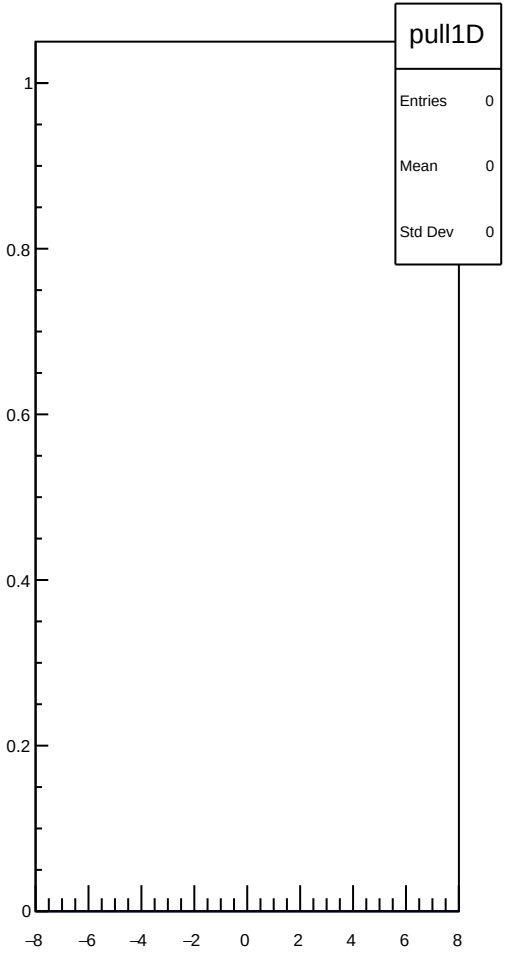

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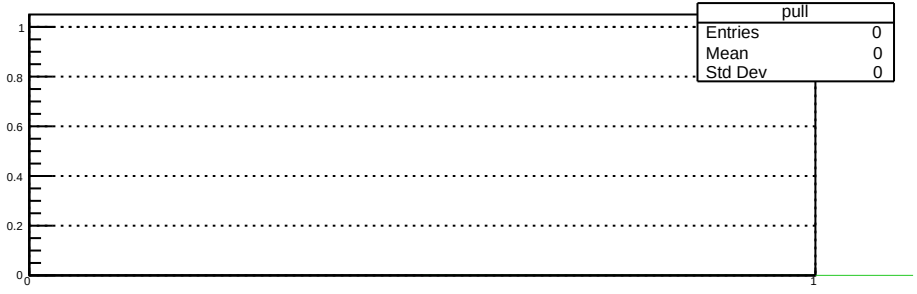

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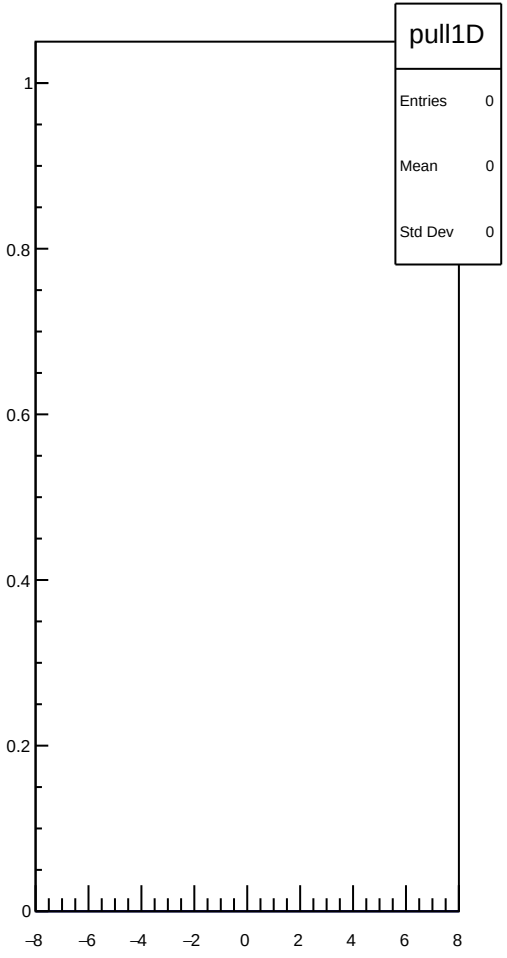

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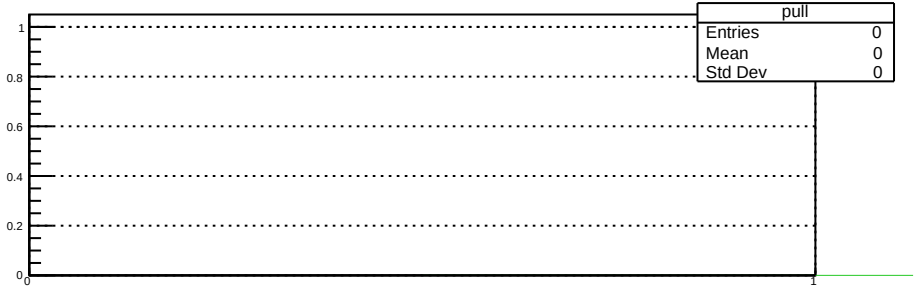

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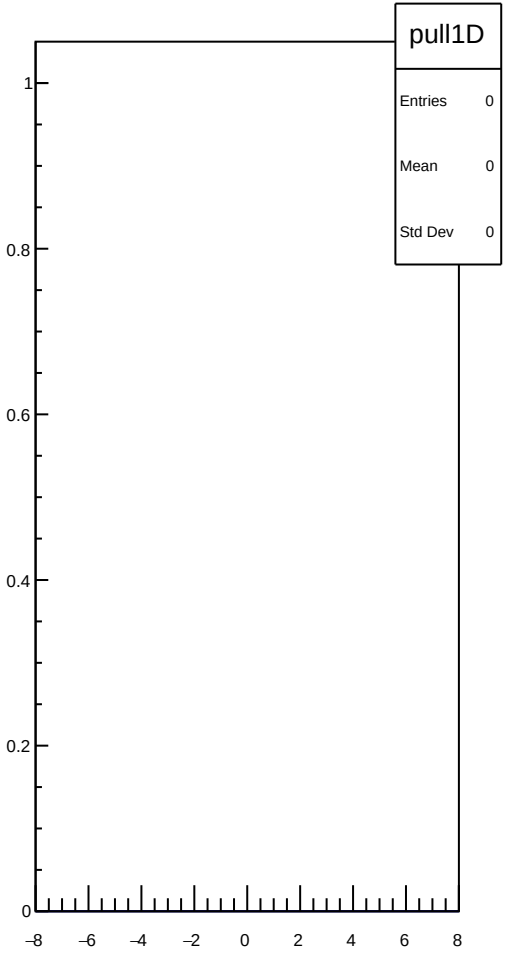

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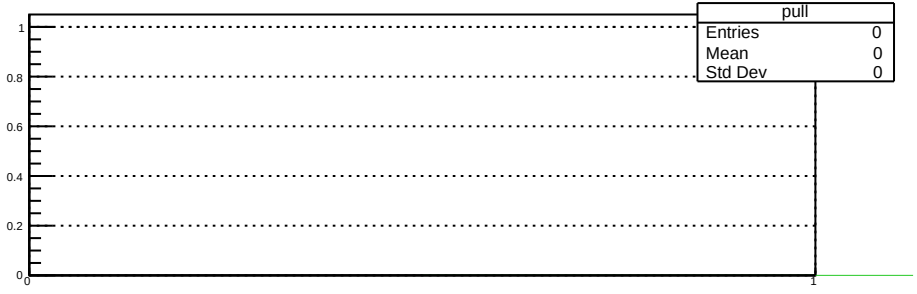

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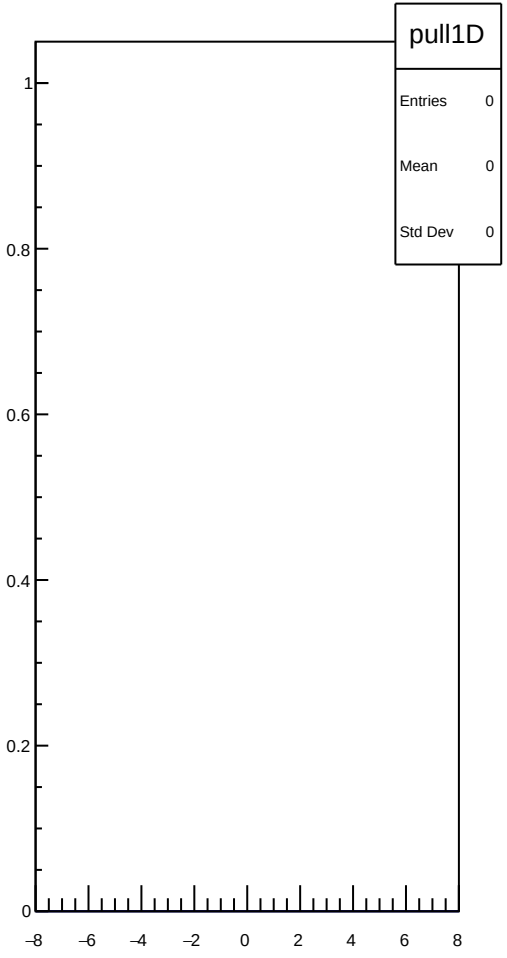

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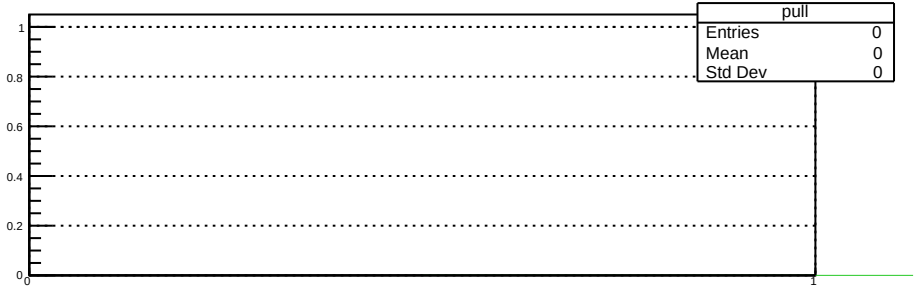

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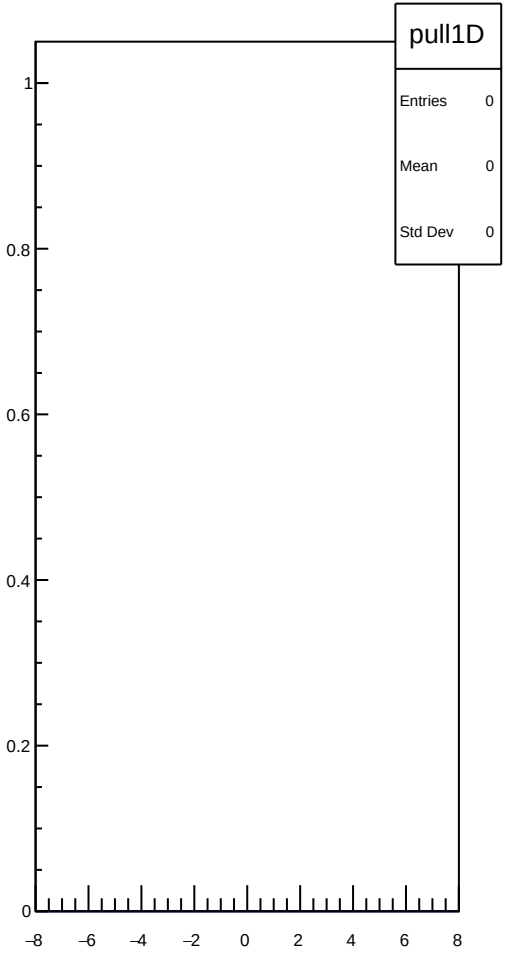

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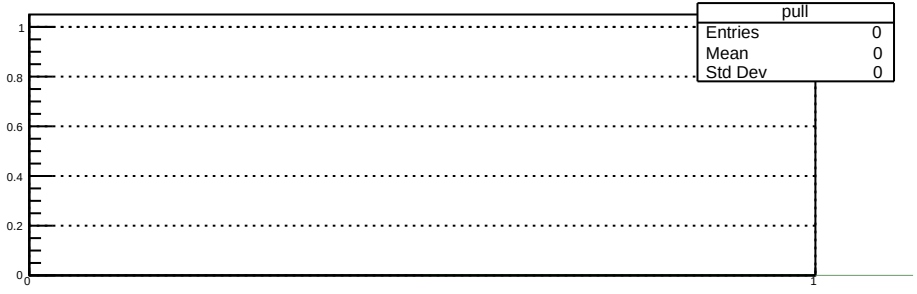

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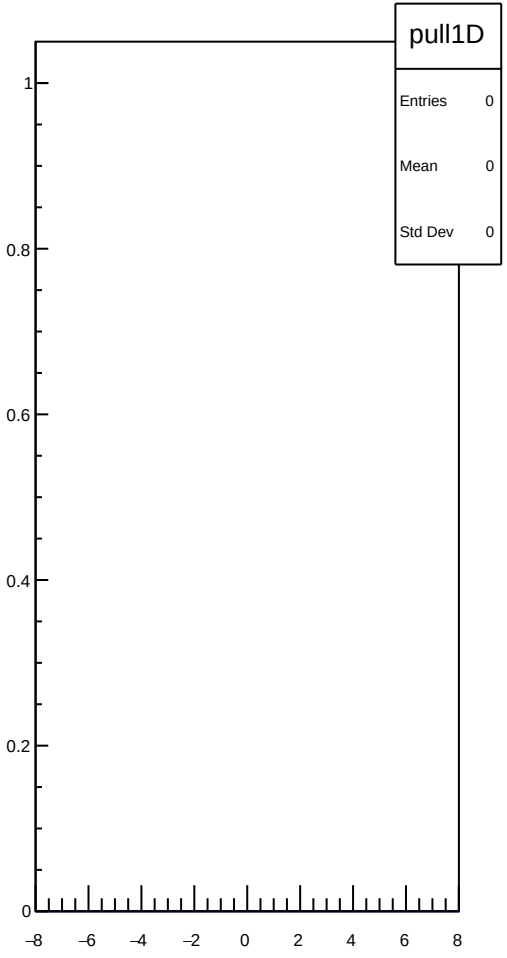

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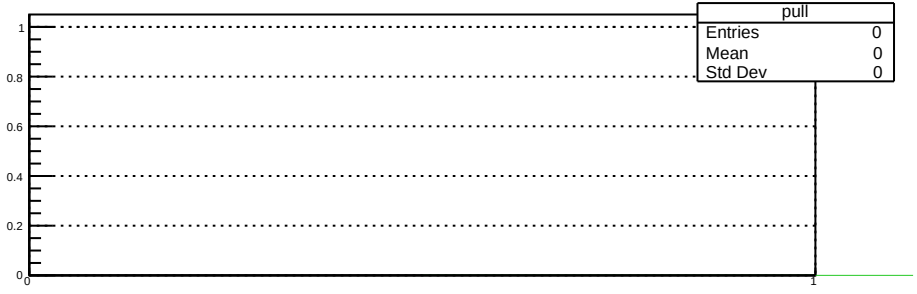

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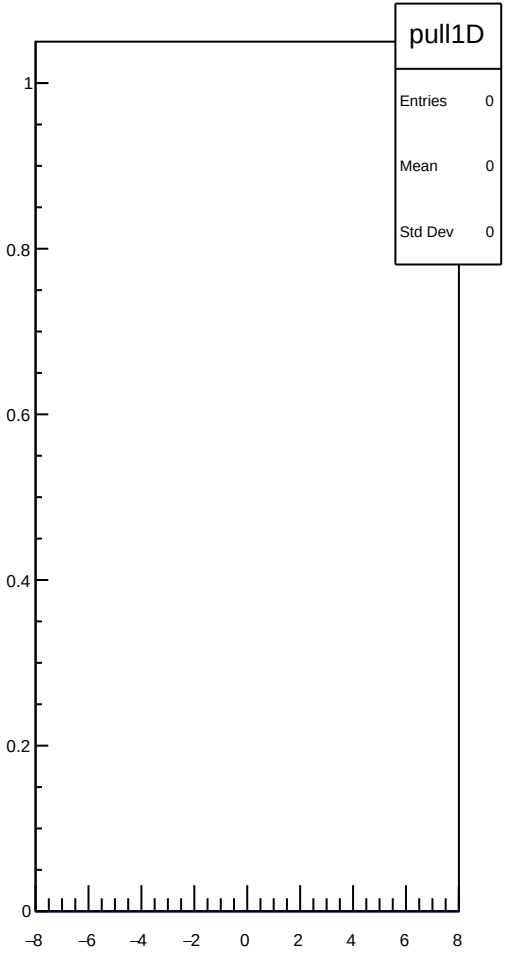

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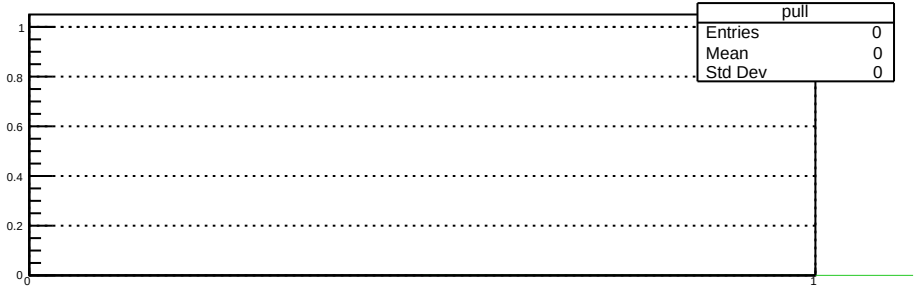

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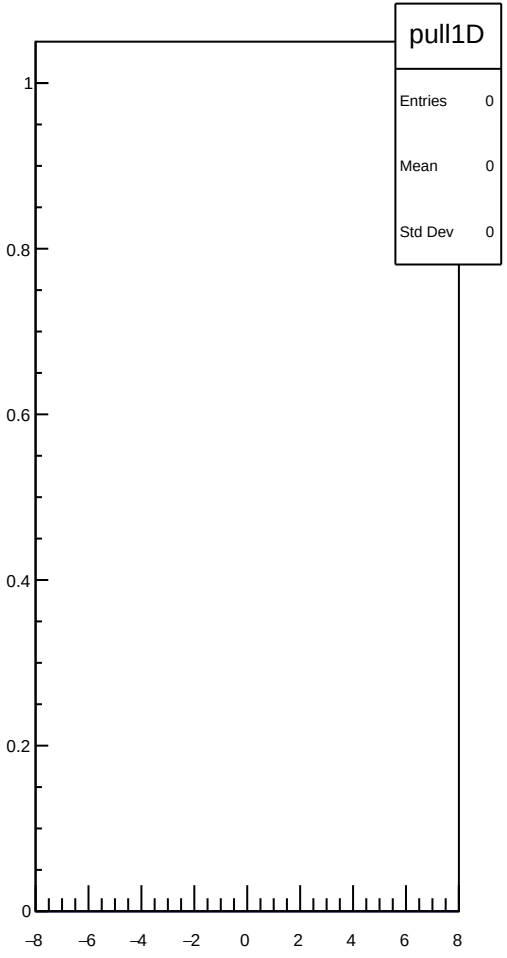

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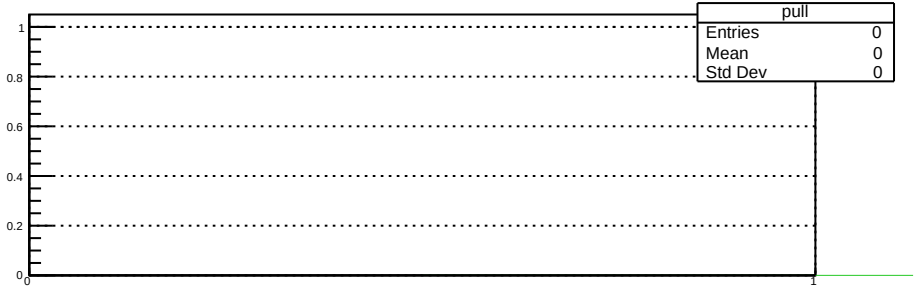

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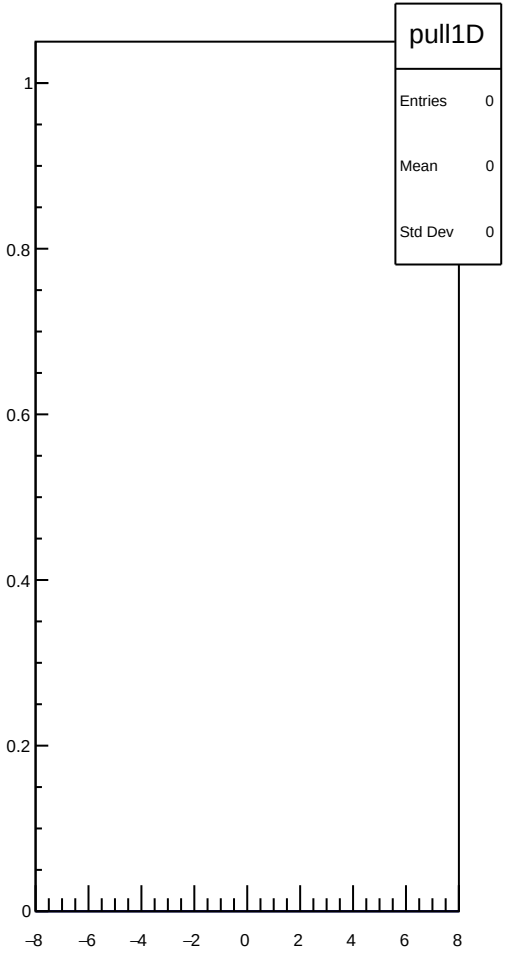

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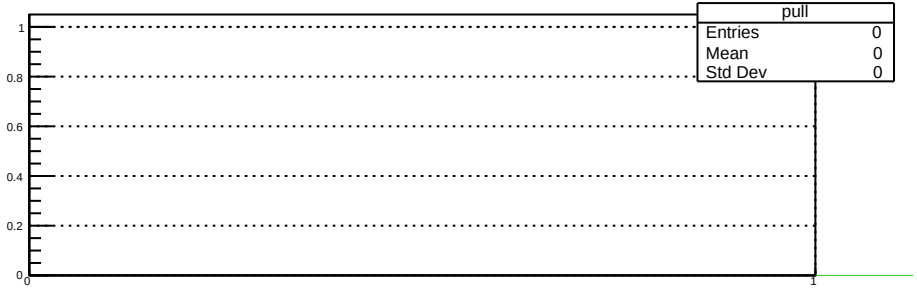

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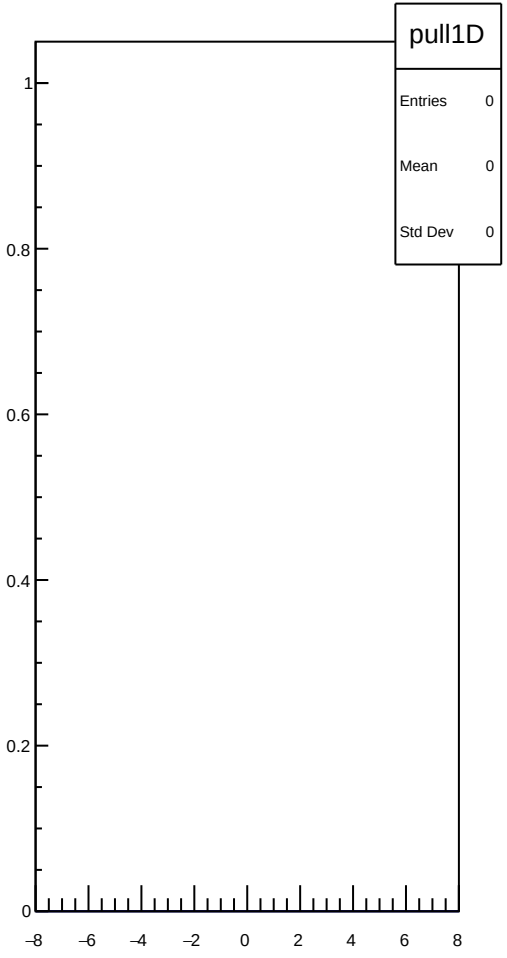

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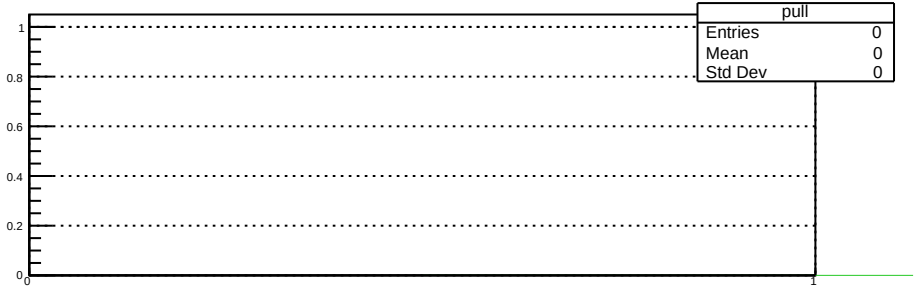

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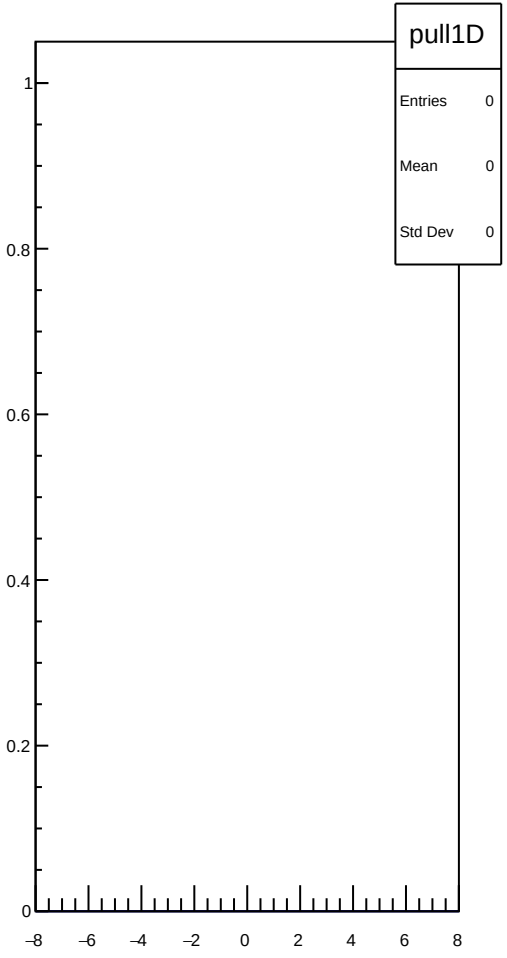

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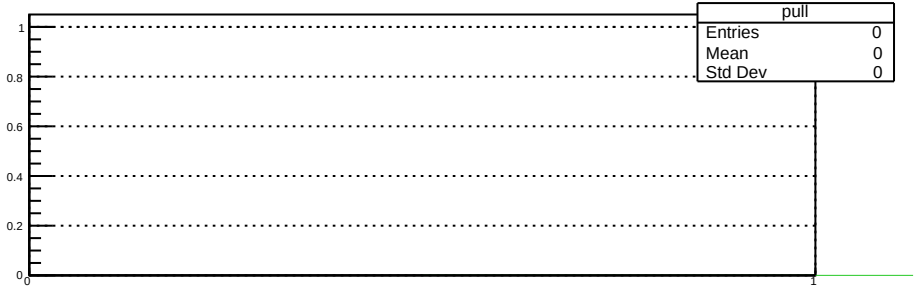

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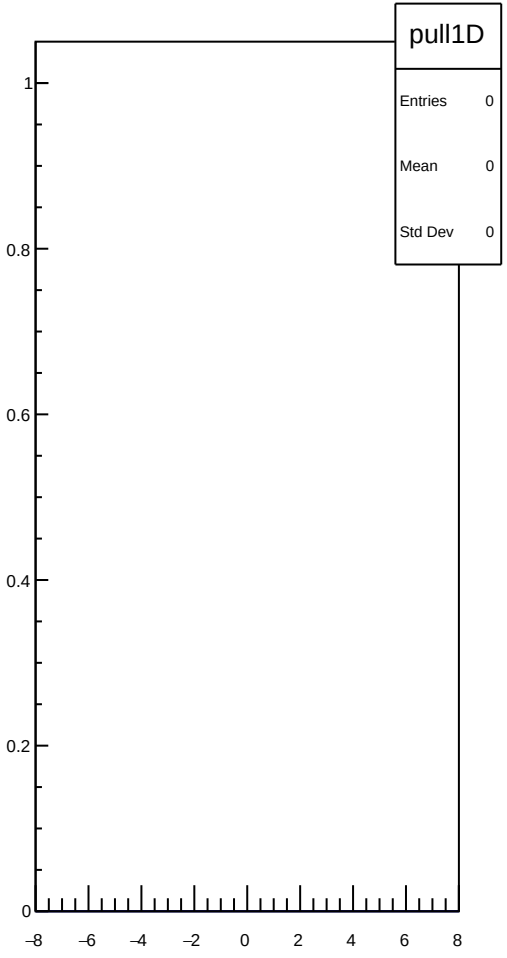

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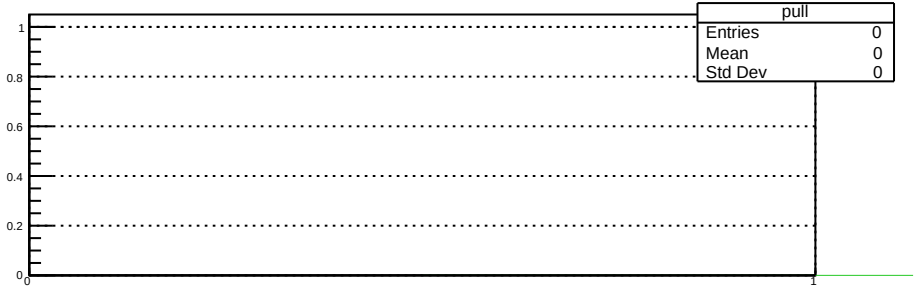

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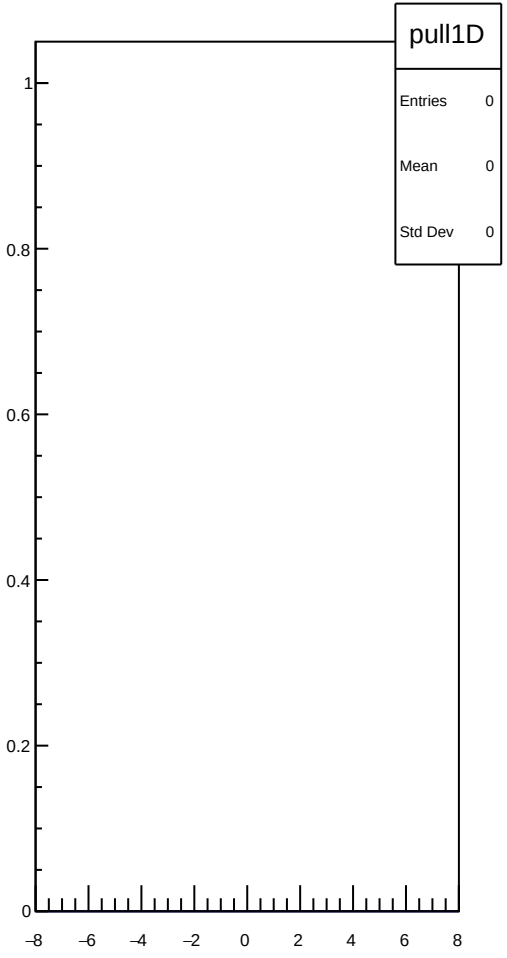

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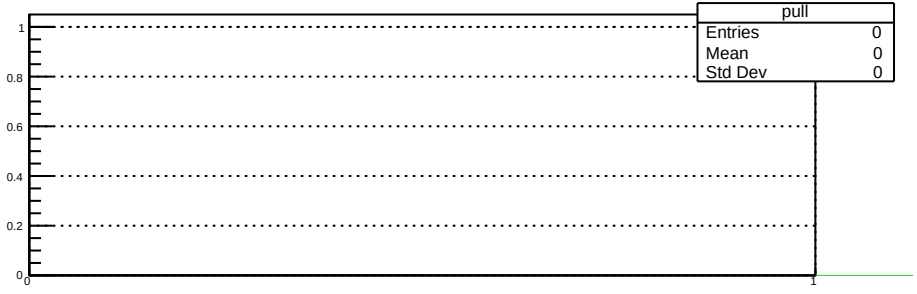

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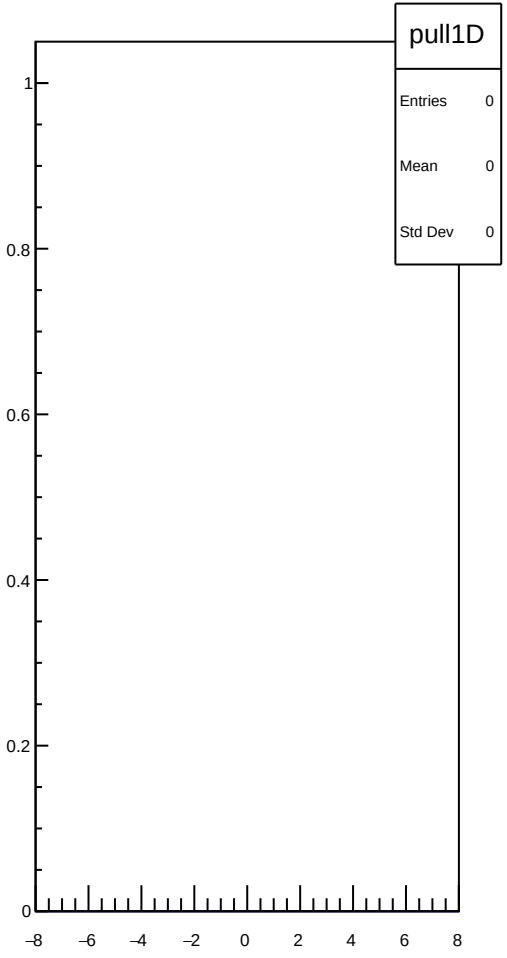

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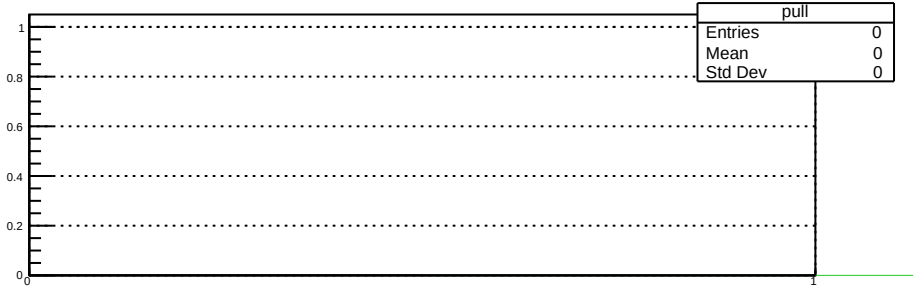

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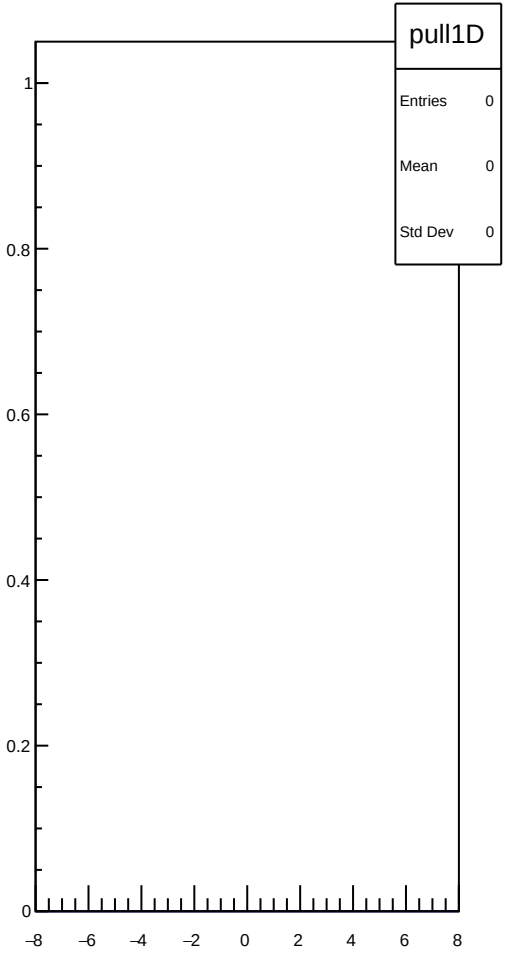

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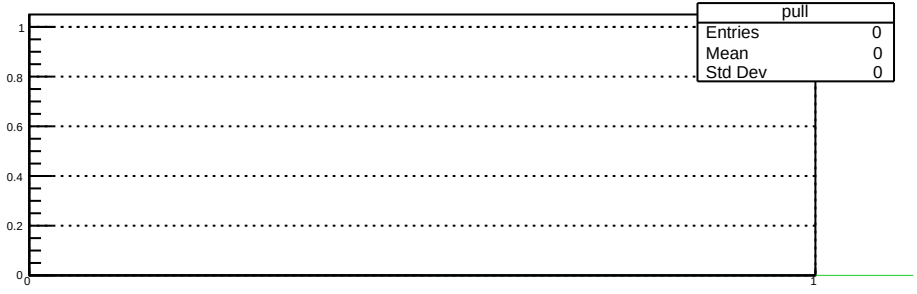

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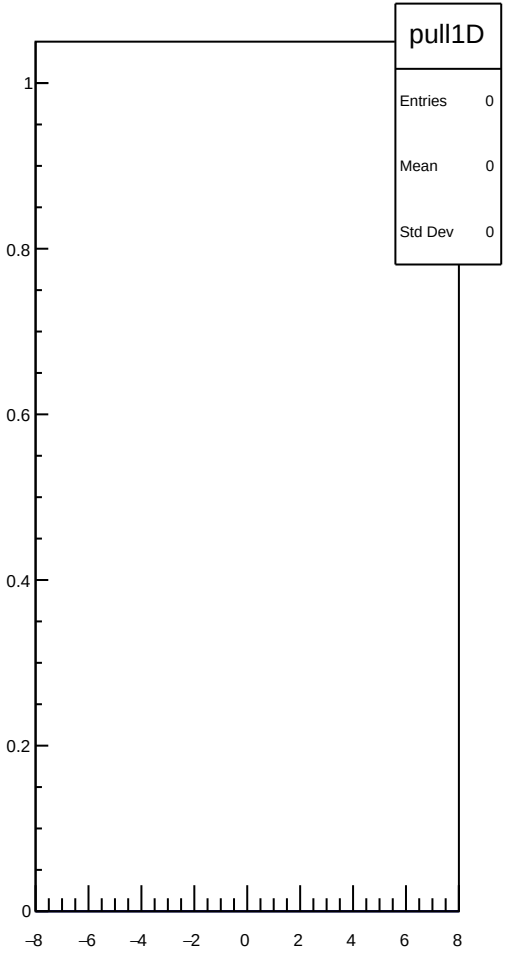

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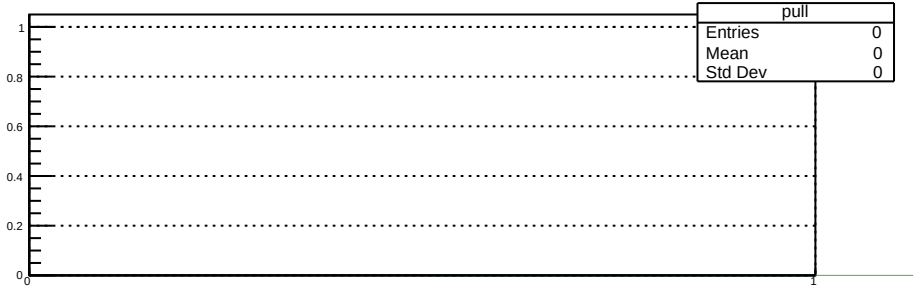

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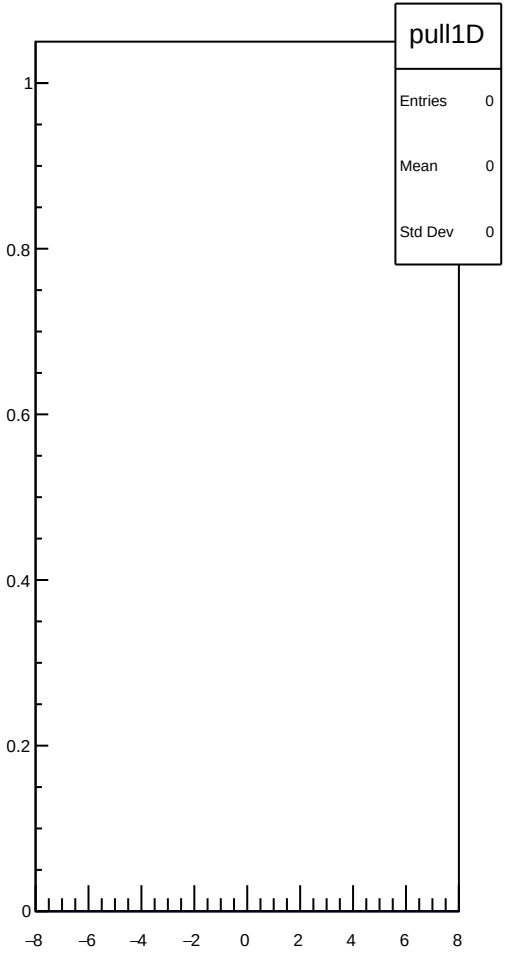

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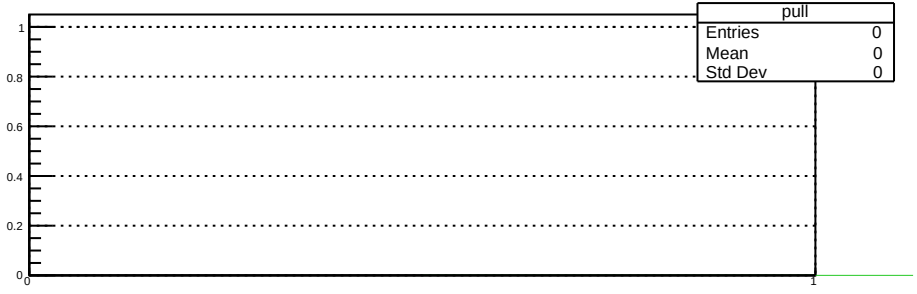

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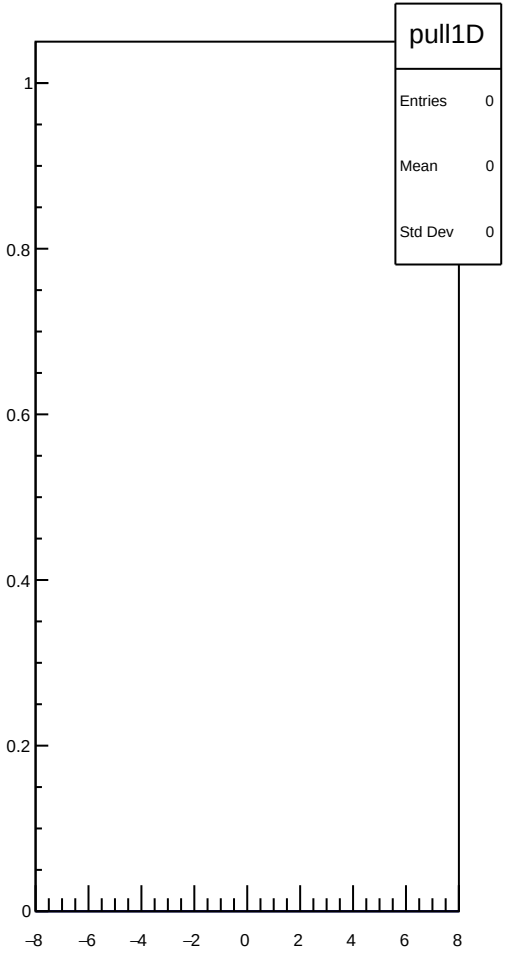

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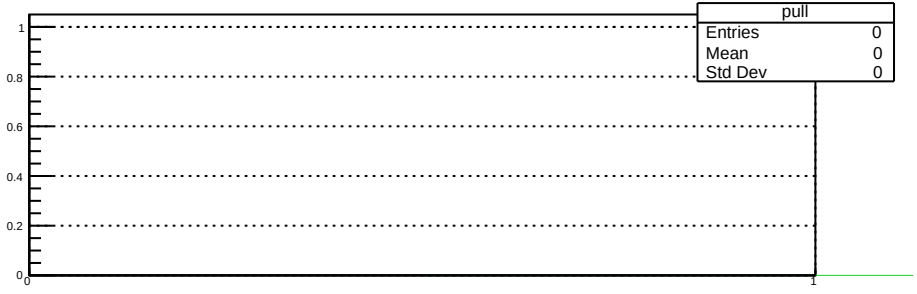

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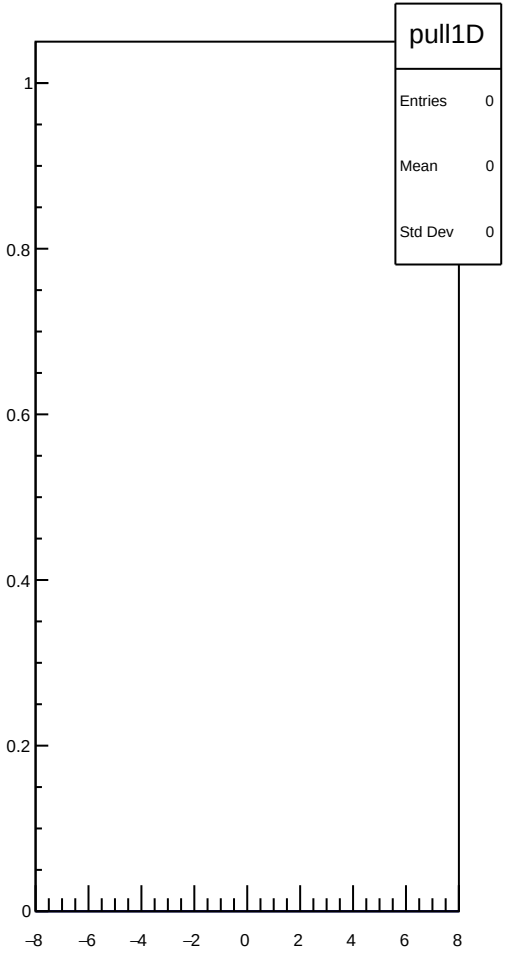

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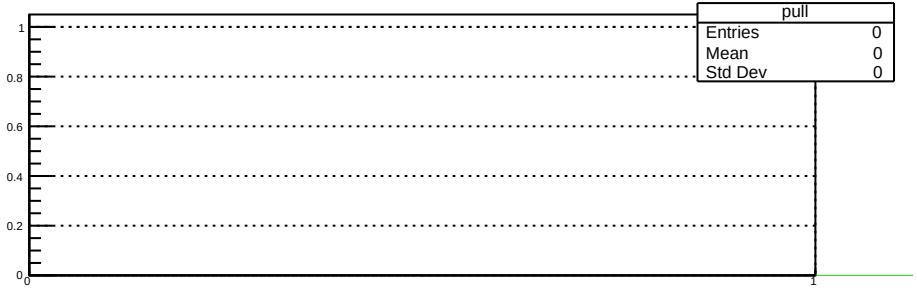

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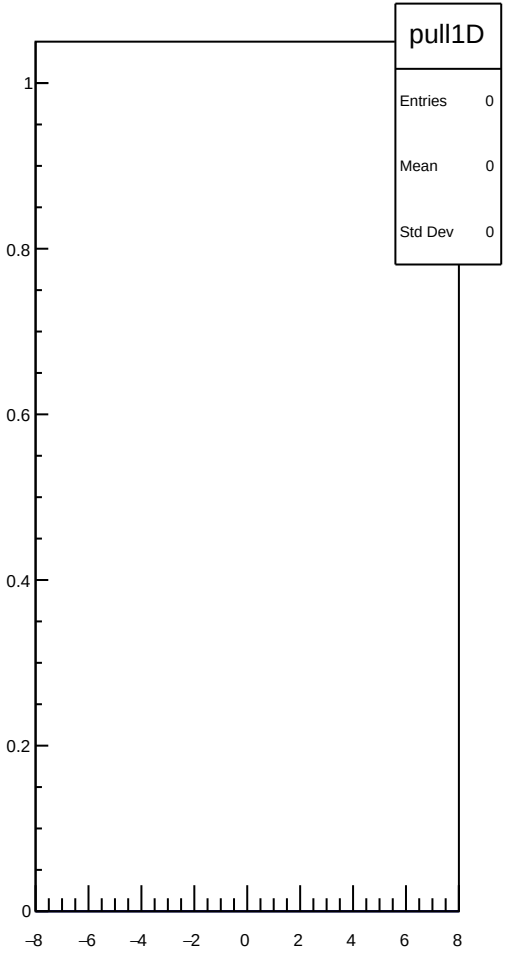

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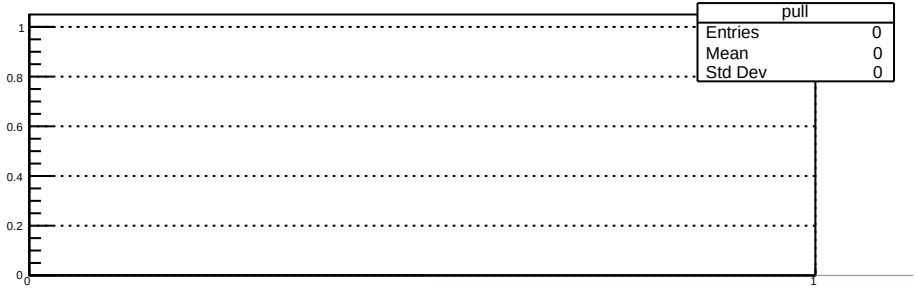

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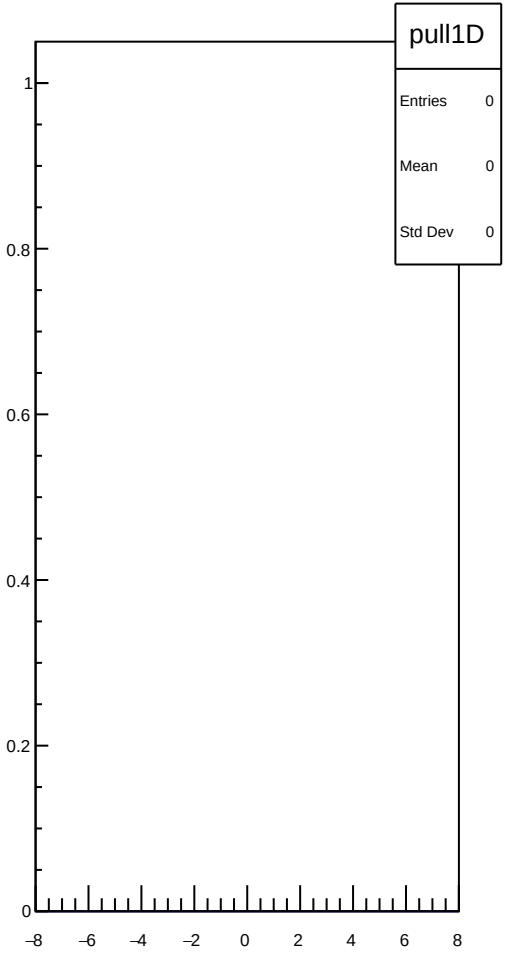

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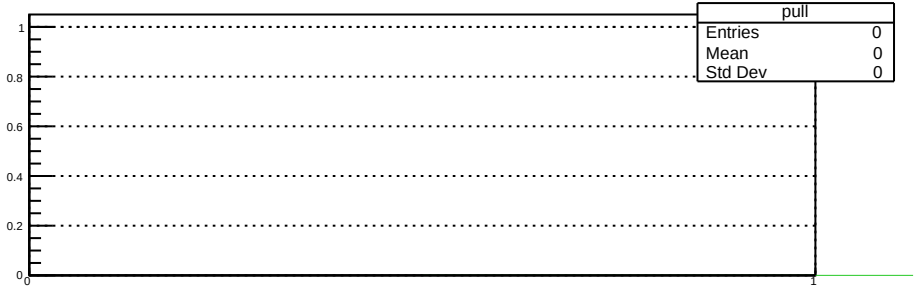

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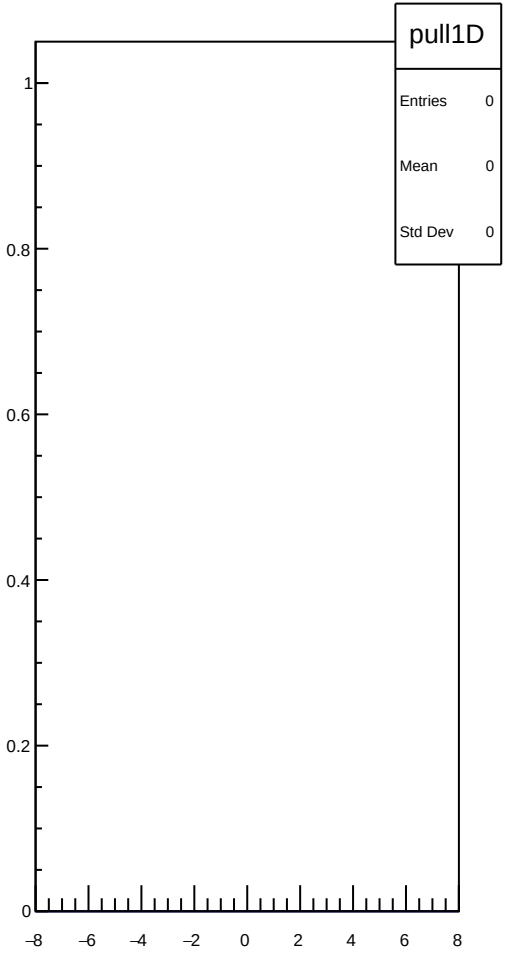

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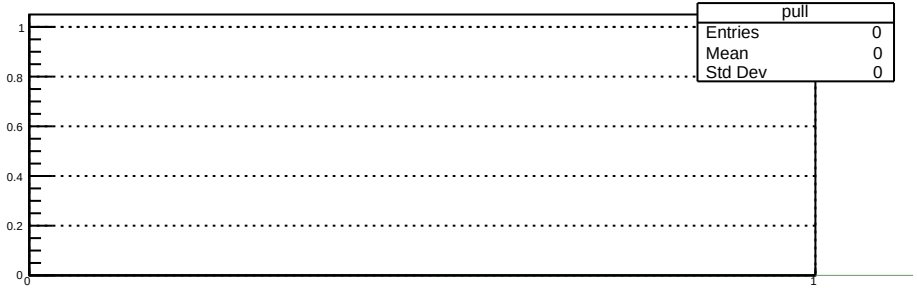

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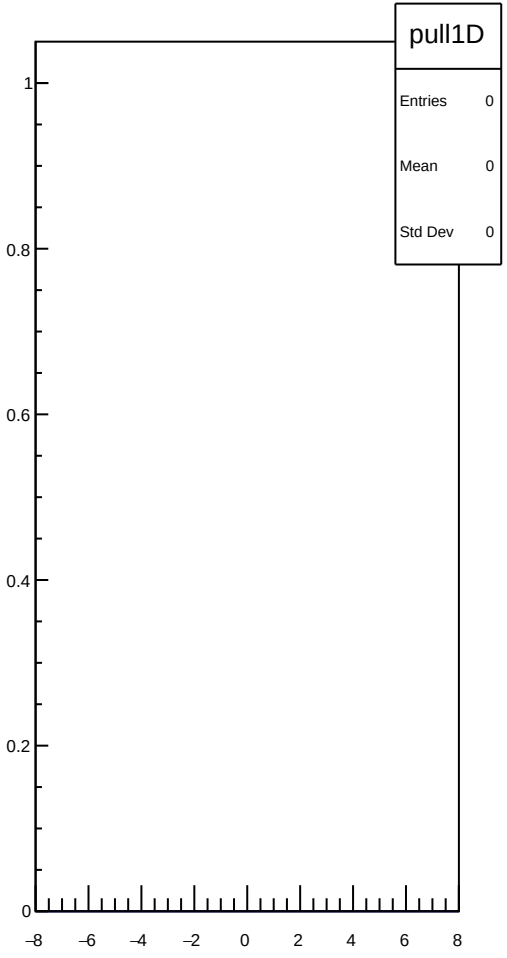

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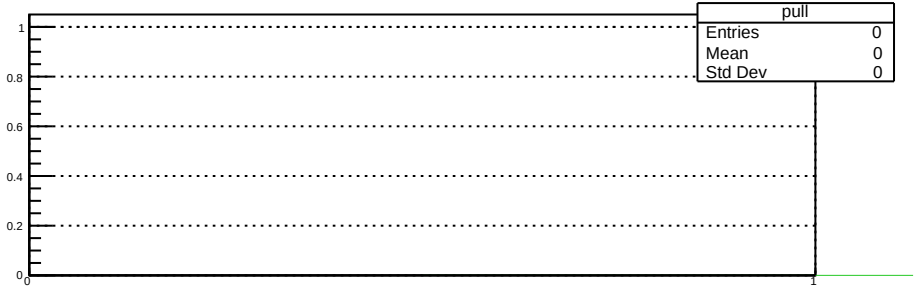

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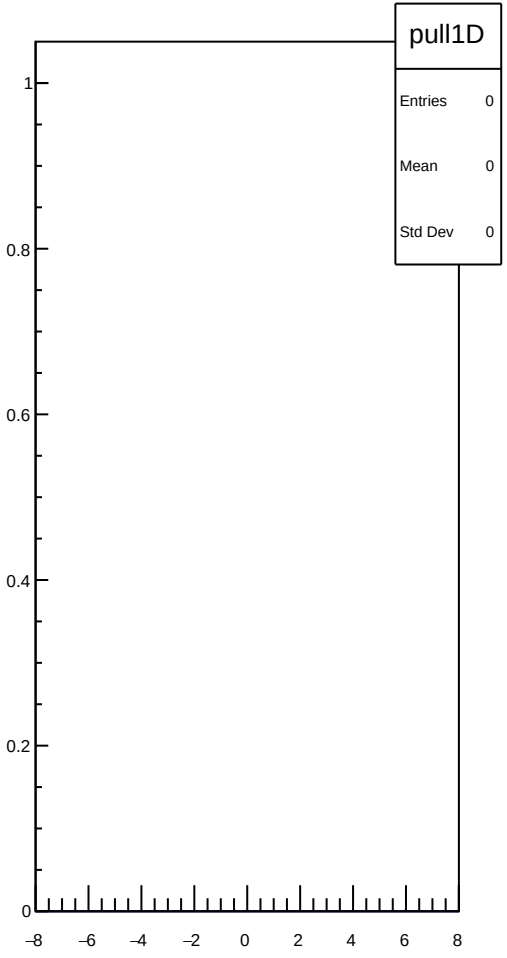

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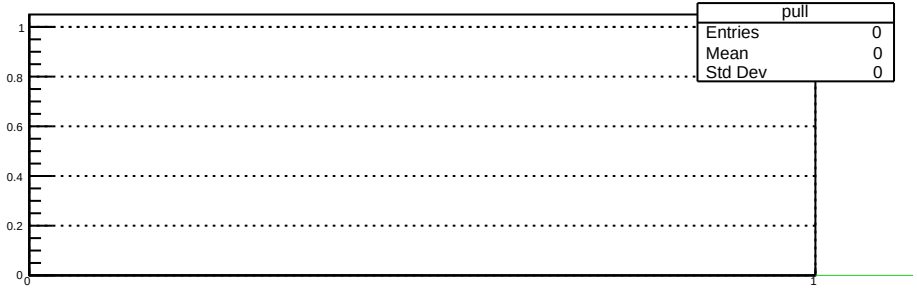

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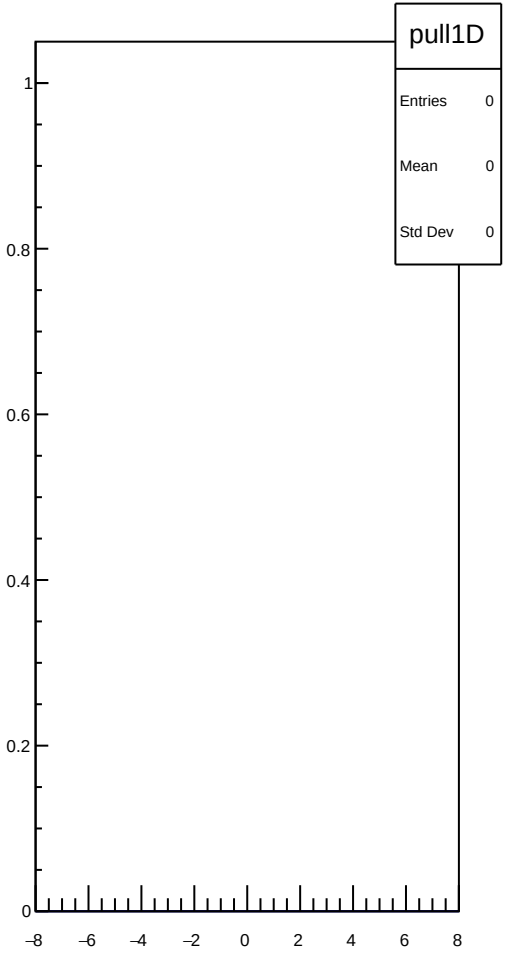

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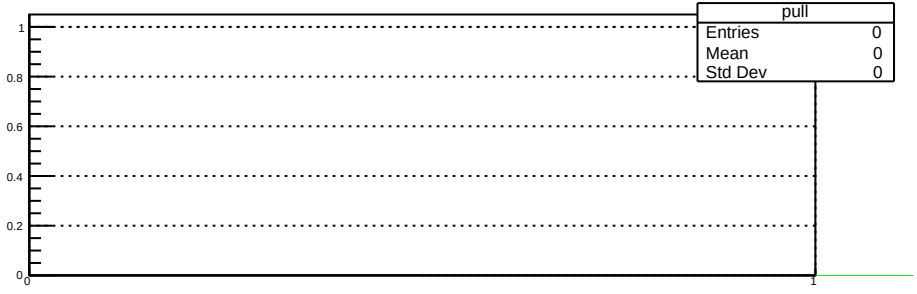

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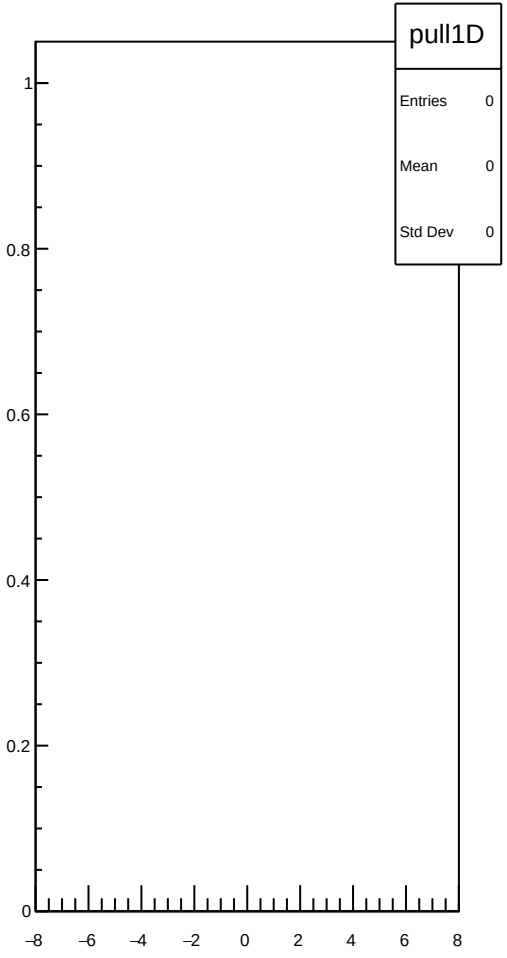

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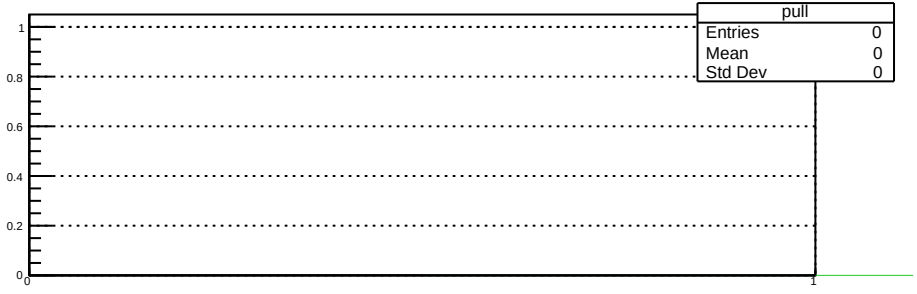

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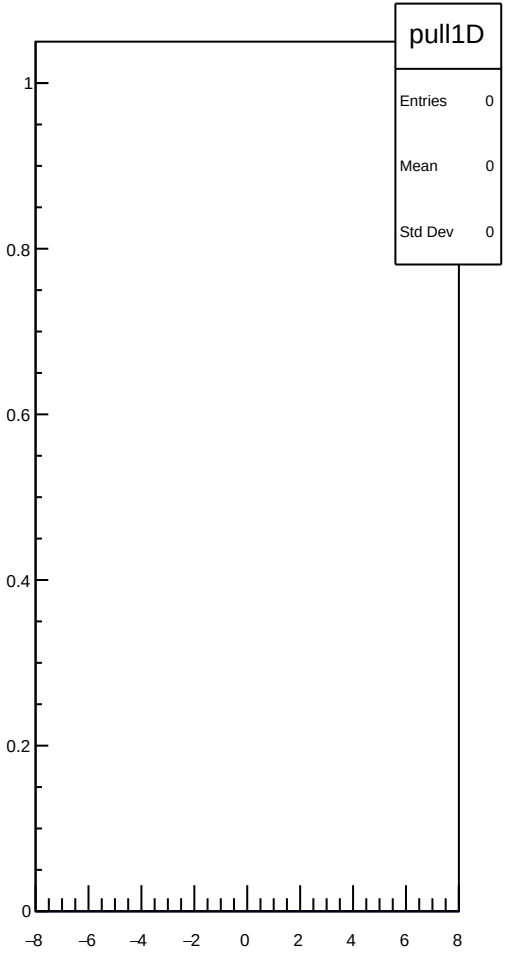

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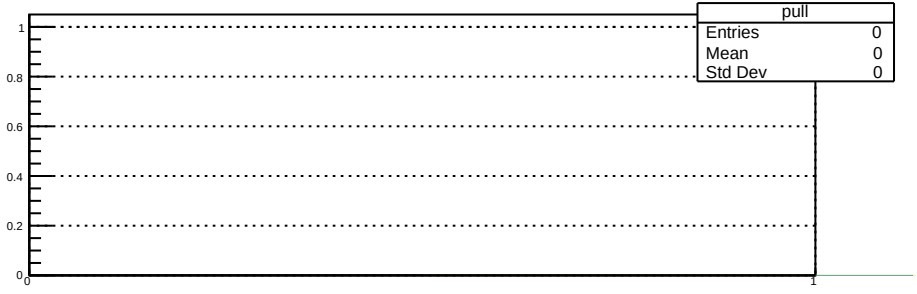

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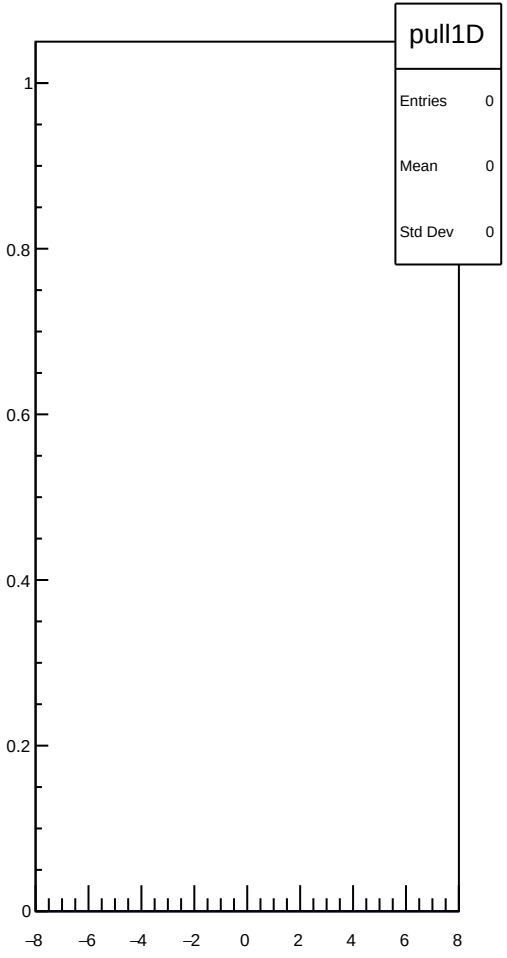

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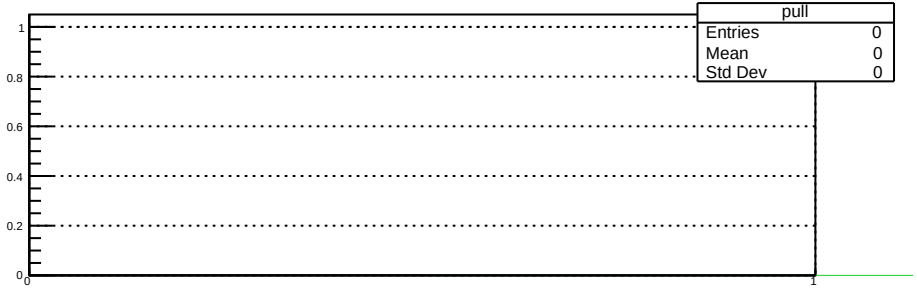

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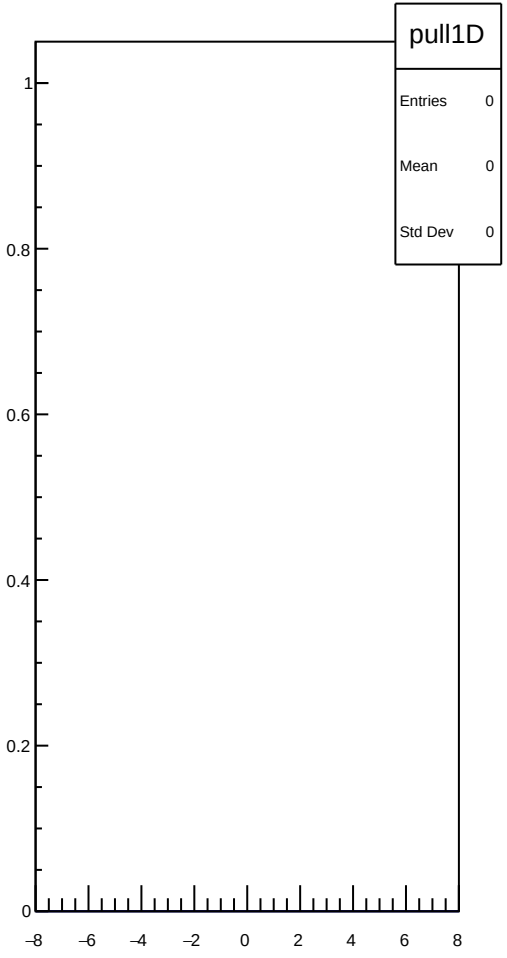

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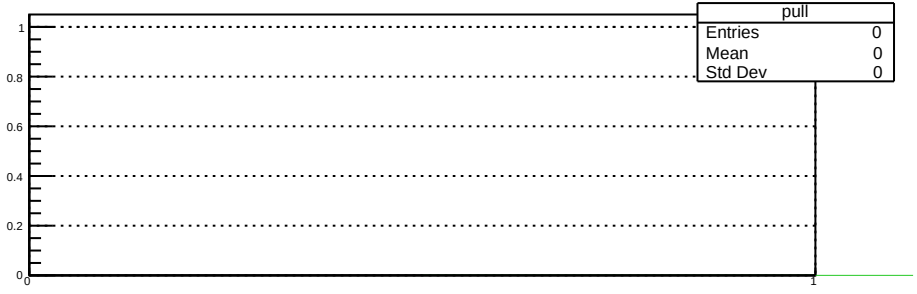

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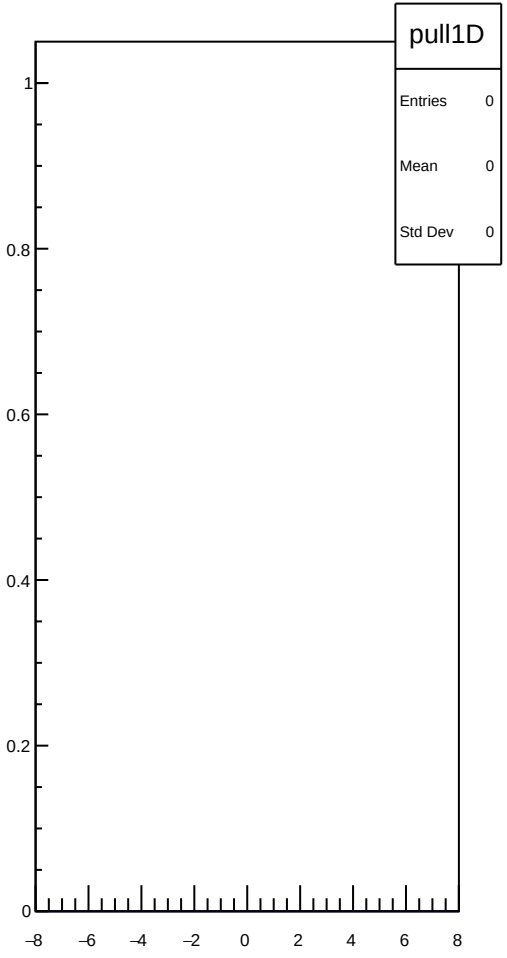

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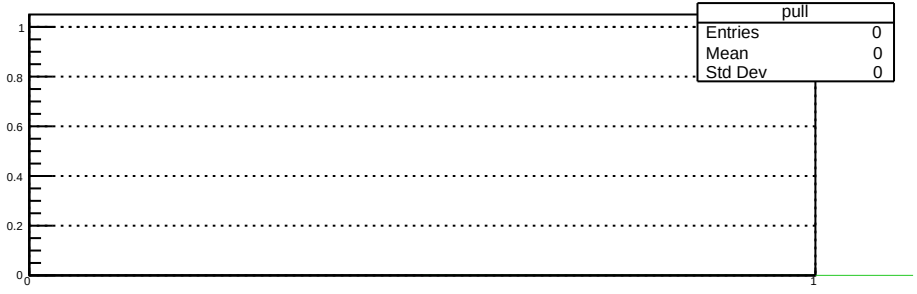

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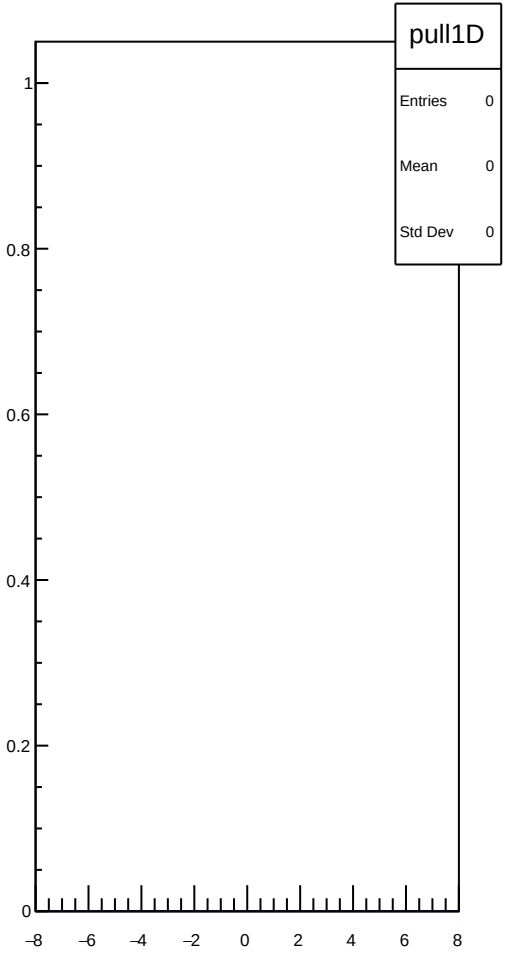

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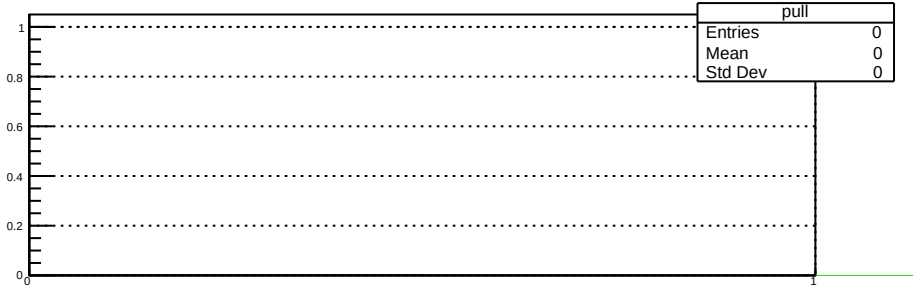

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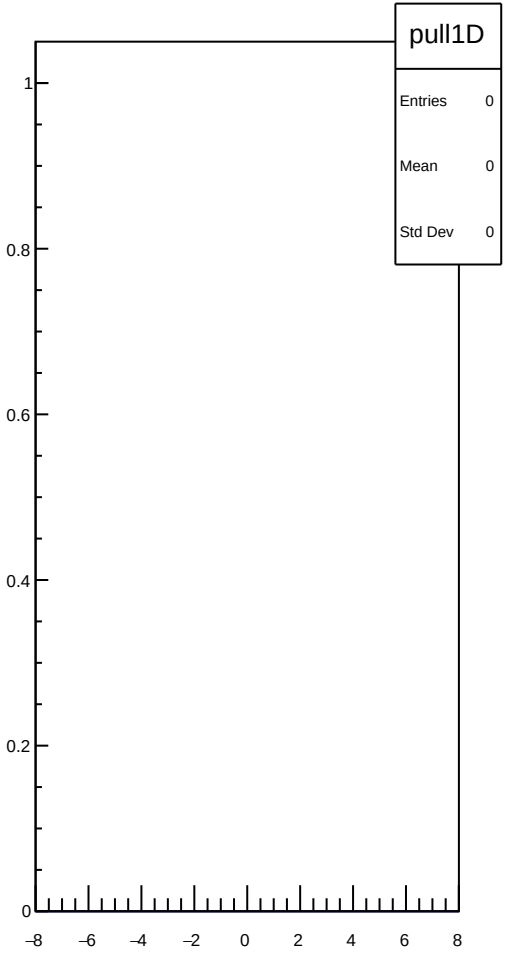

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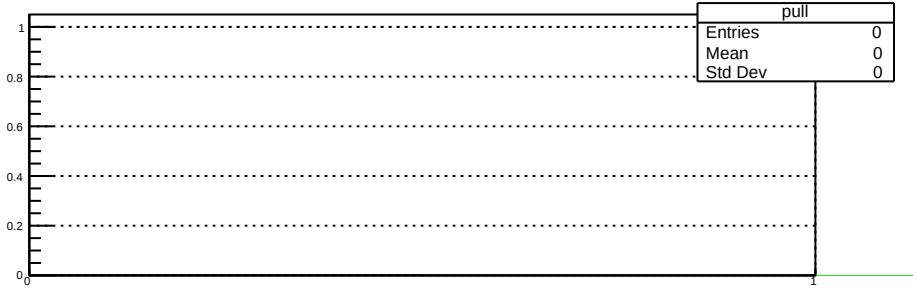

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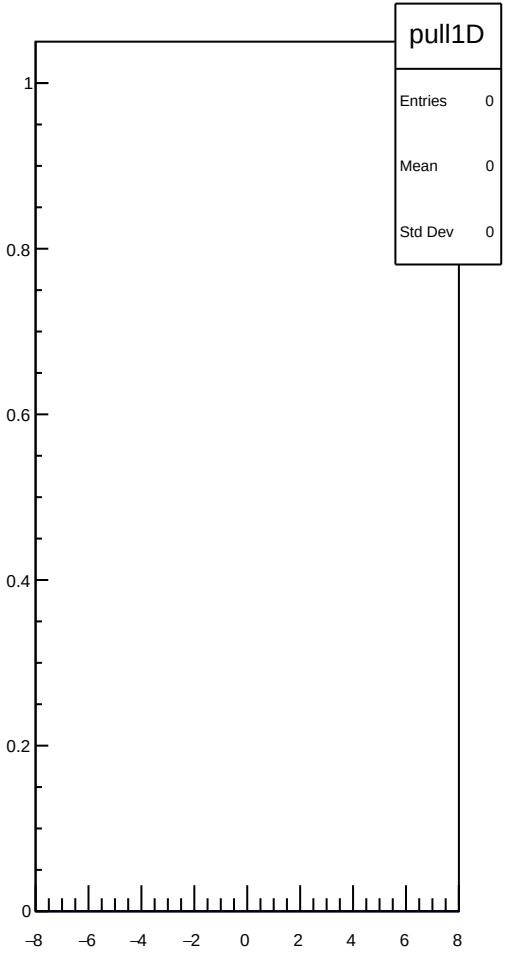

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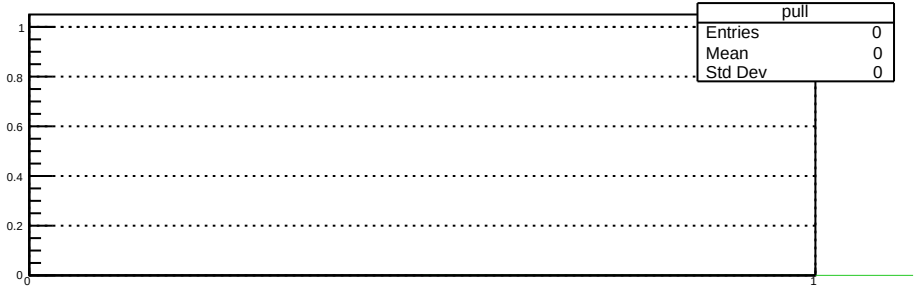

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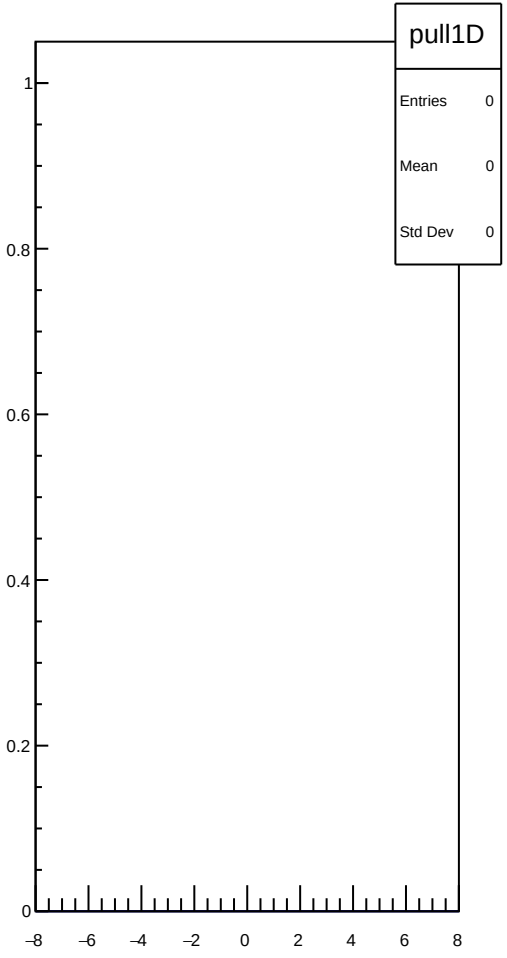

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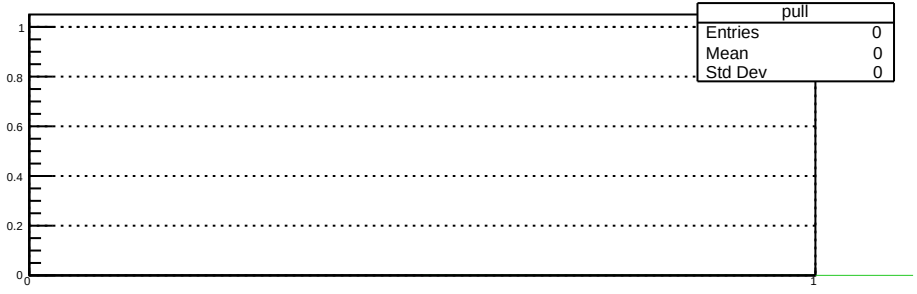

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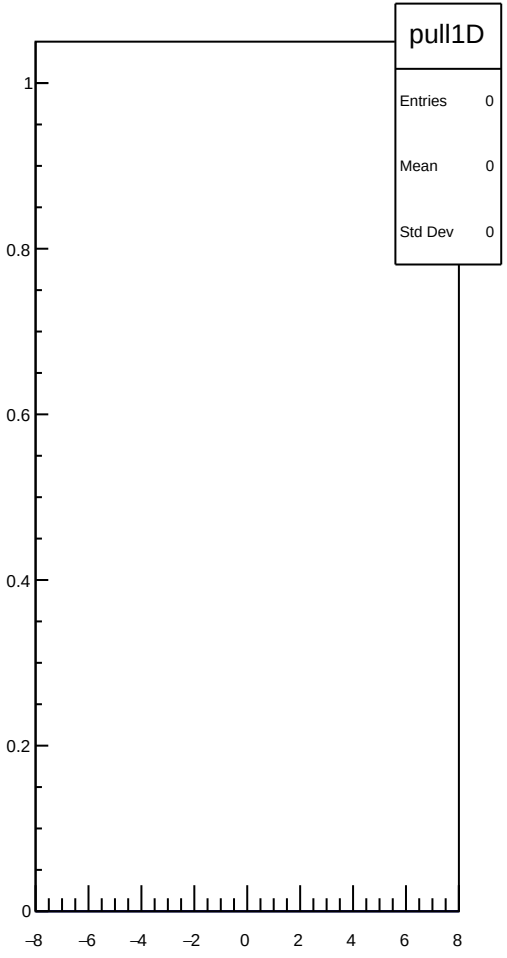

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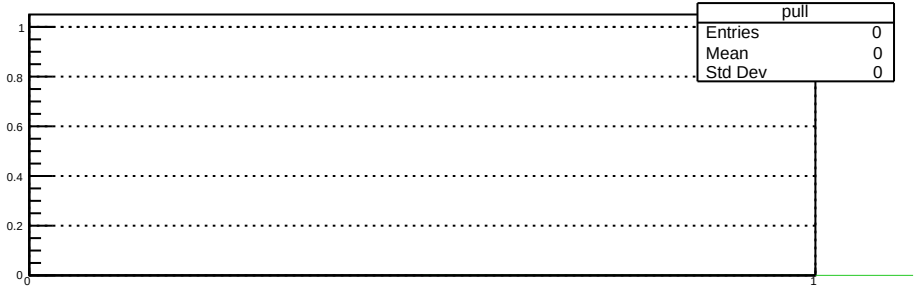

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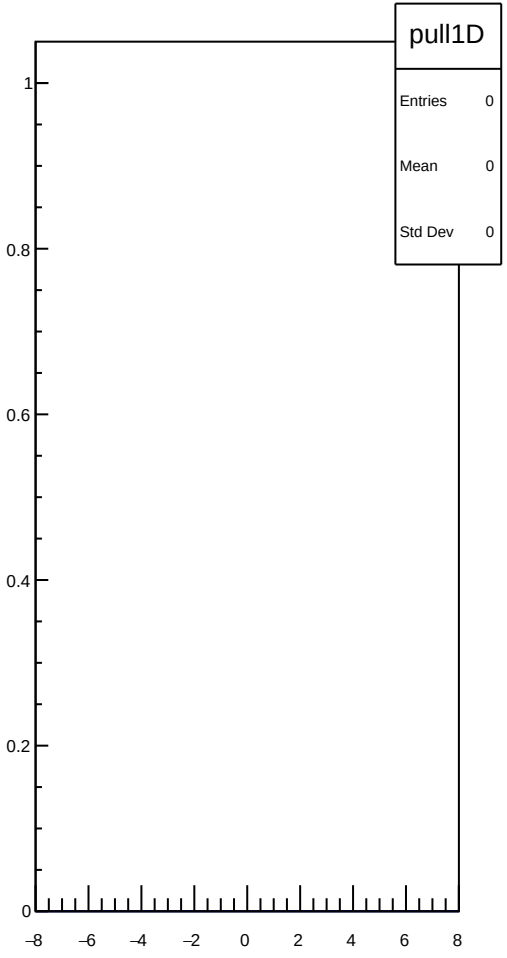

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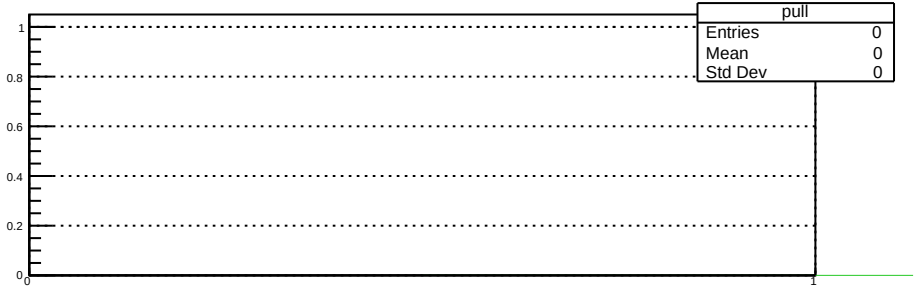

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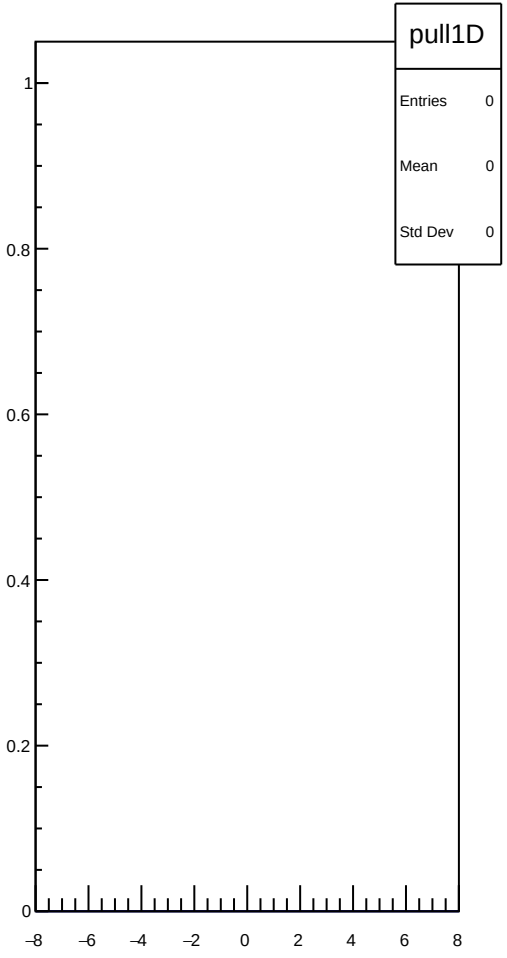

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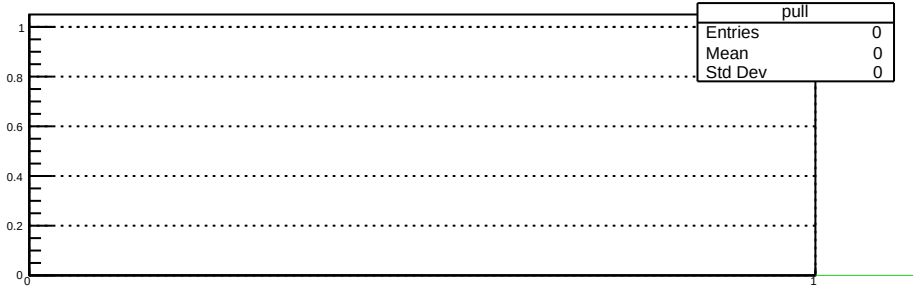

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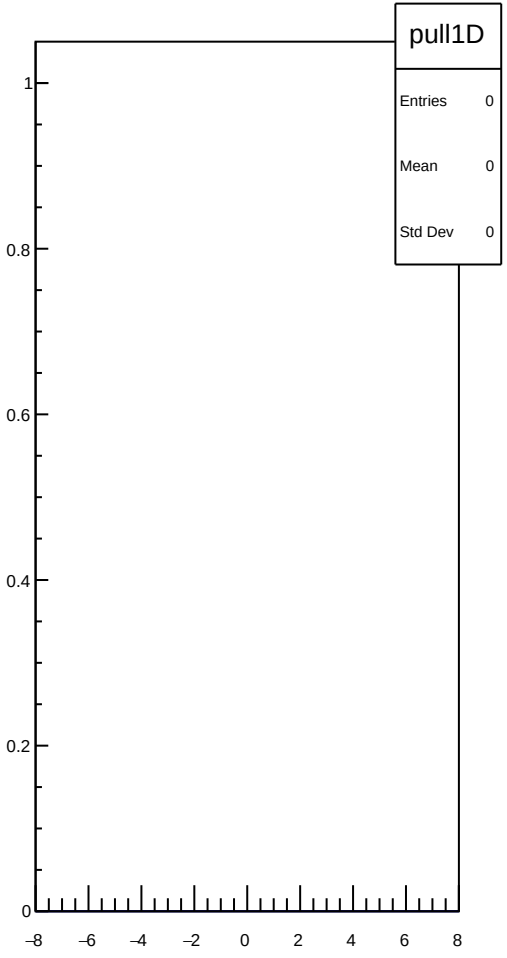

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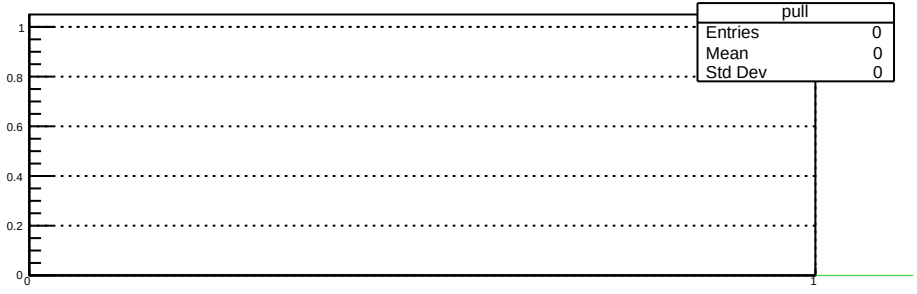

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–6
–4
–2
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6
8

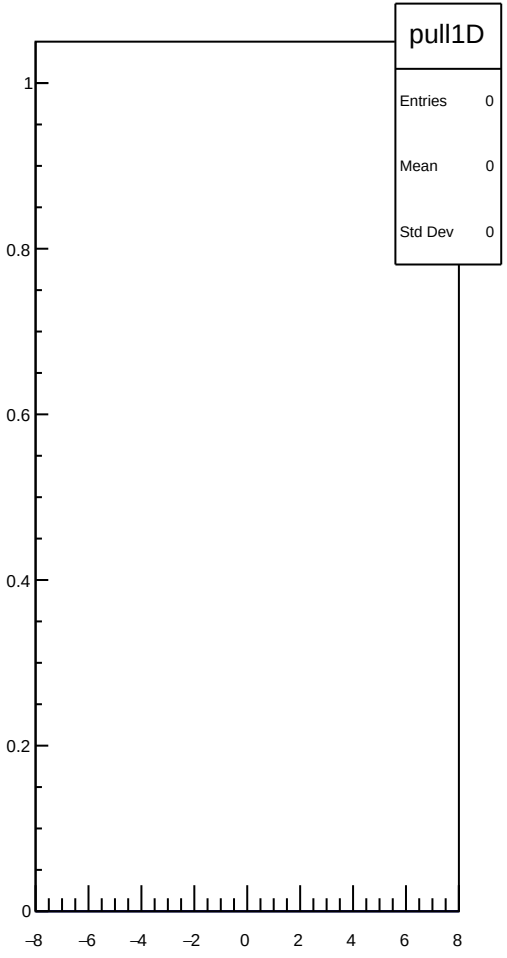

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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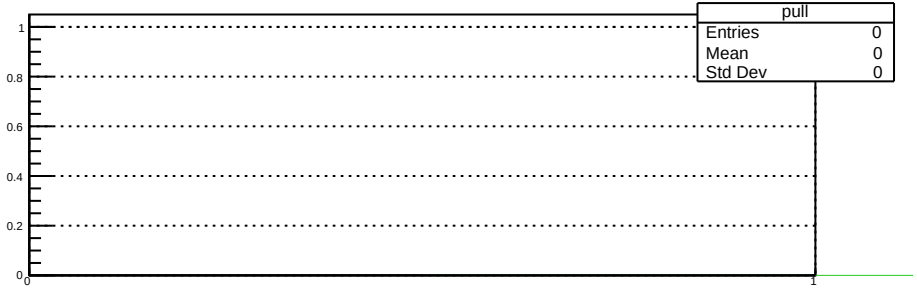

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
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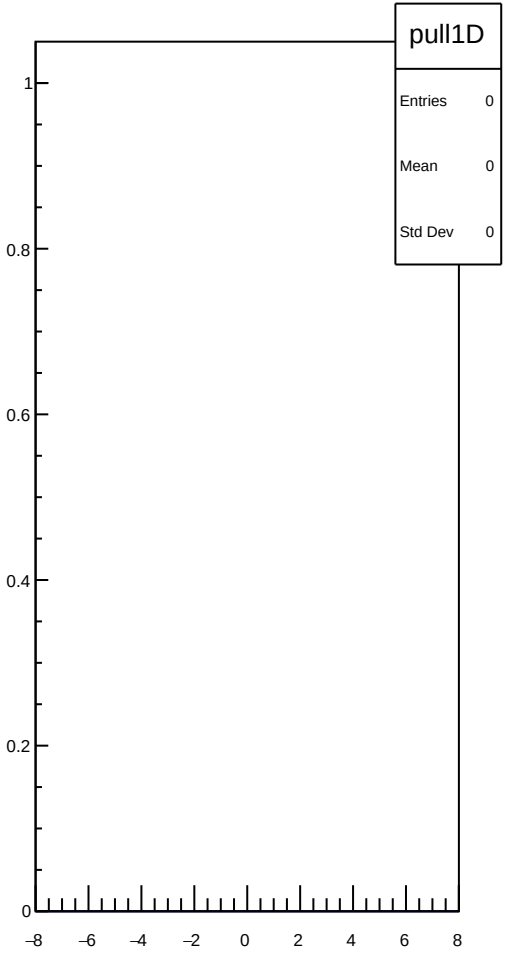

pull
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Std Dev 0
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0.6
0.4
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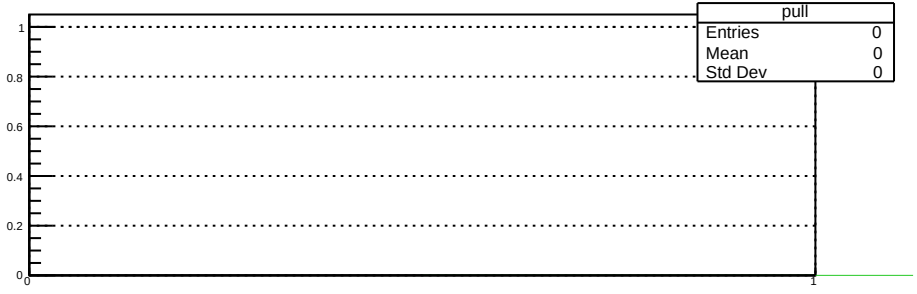

pull1D
Entries 0
Mean 0
Std Dev 0
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0.2
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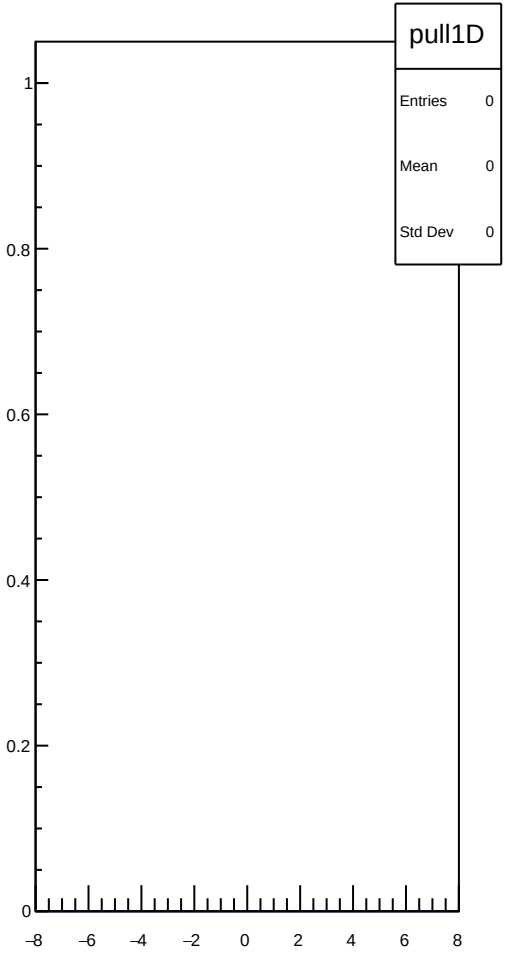

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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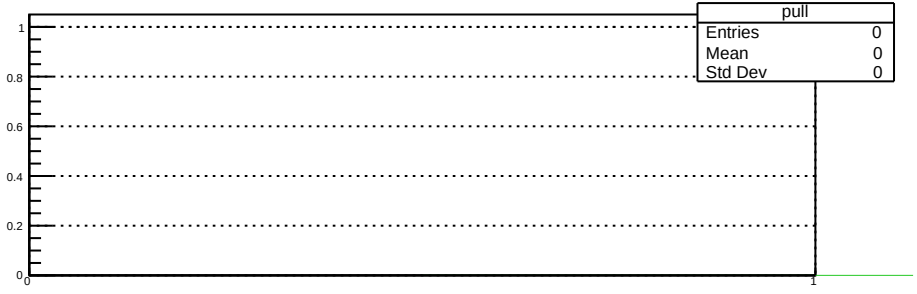

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
–2
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6
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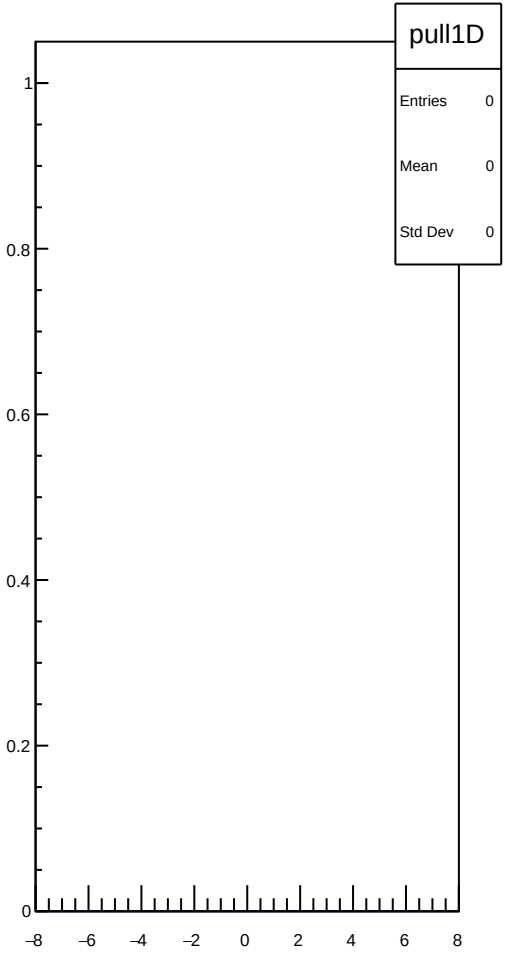

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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1

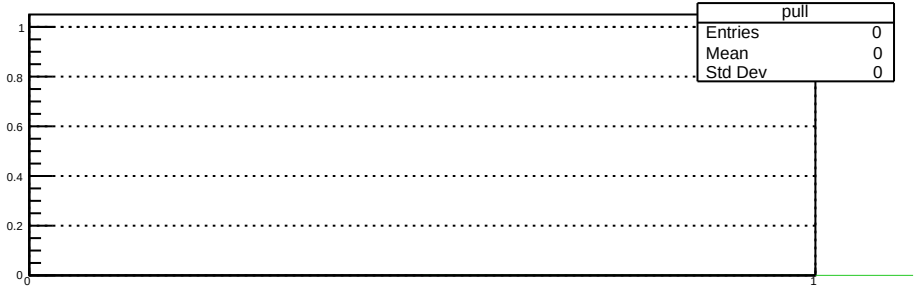

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
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2
4
6
8

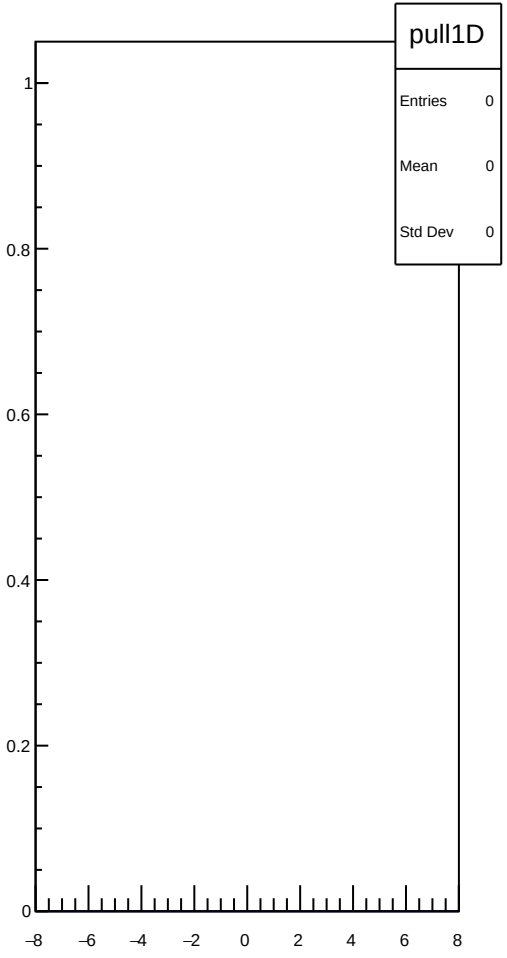

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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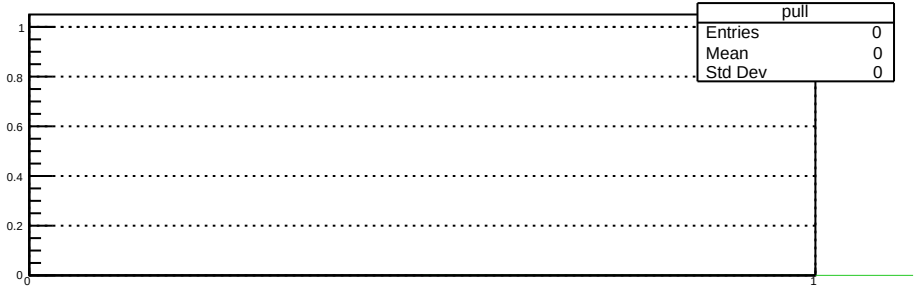

pull1D
Entries 0
Mean 0
Std Dev 0
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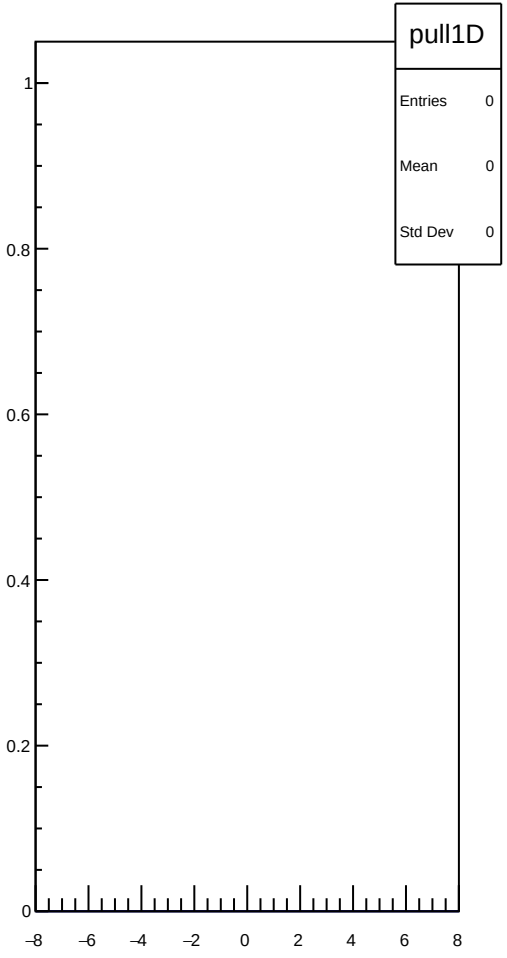

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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1

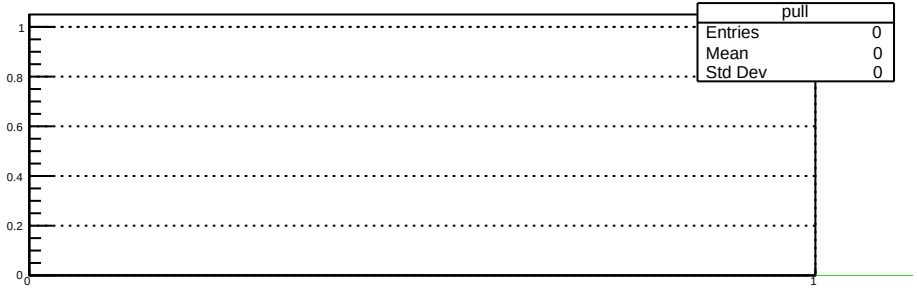

pull1D
Entries 0
Mean 0
Std Dev 0
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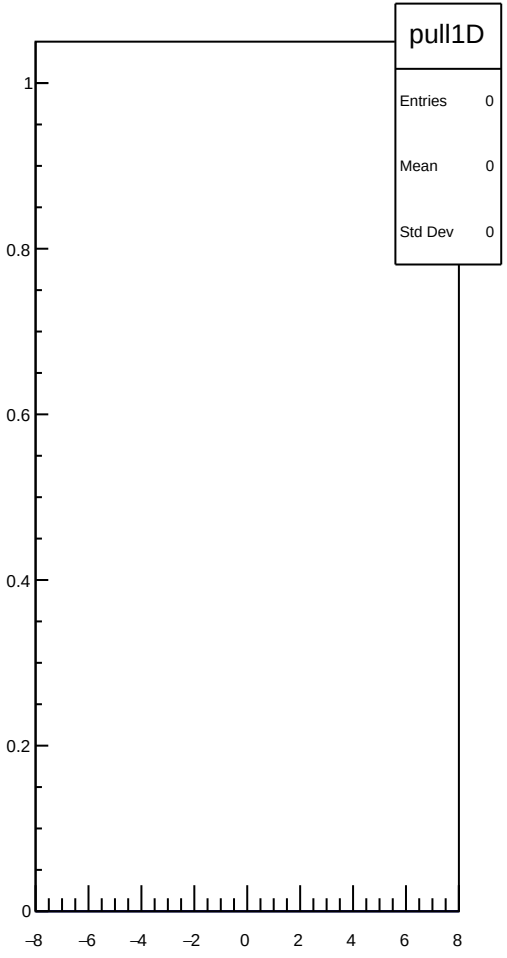

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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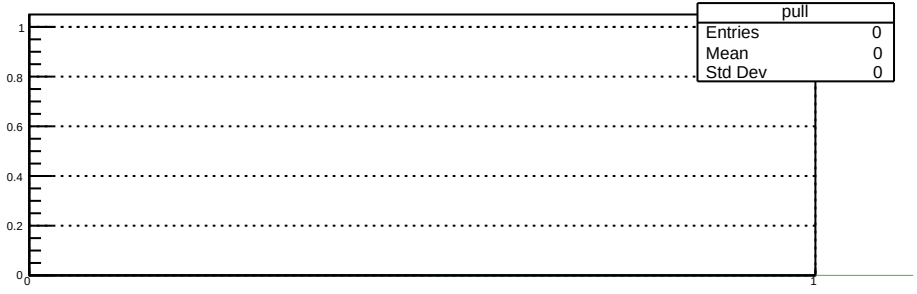

pull1D
Entries 0
Mean 0
Std Dev 0
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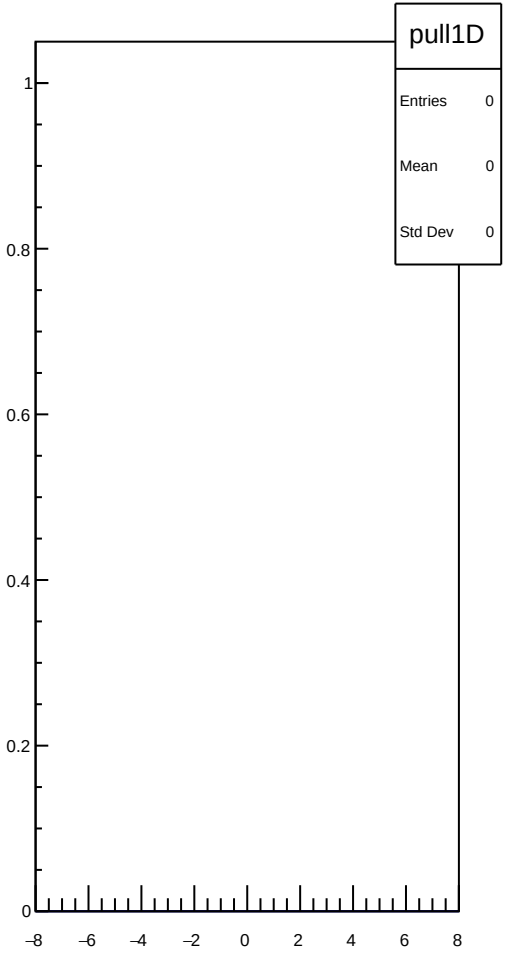

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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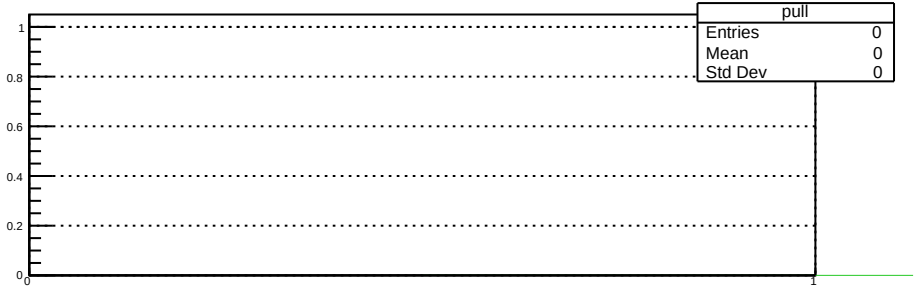

pull1D
Entries 0
Mean 0
Std Dev 0
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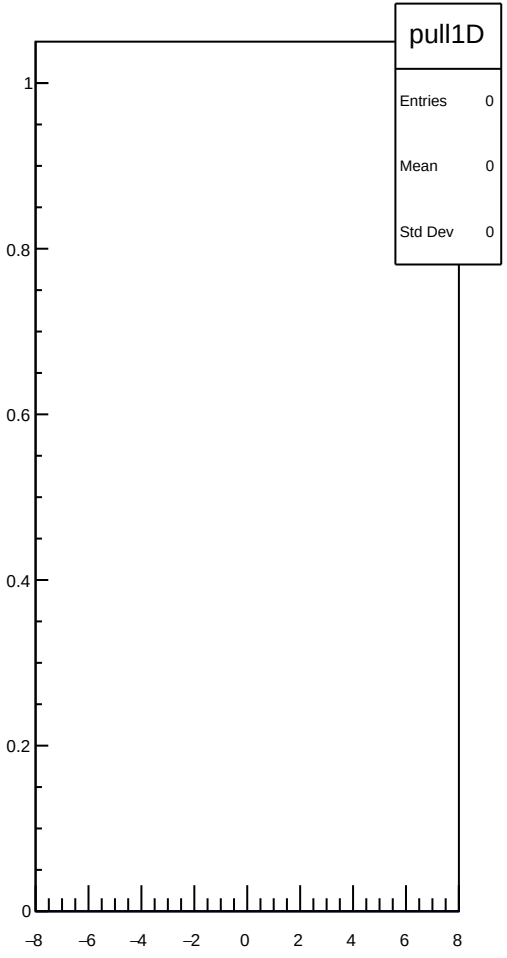

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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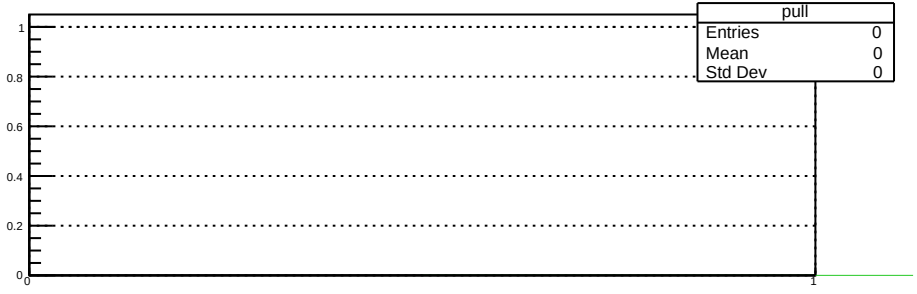

pull1D
Entries 0
Mean 0
Std Dev 0
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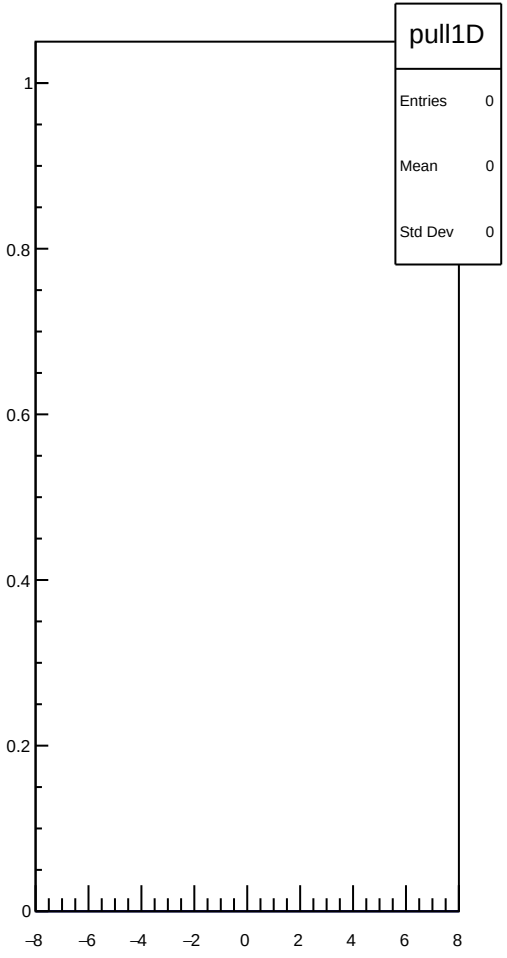

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0.2
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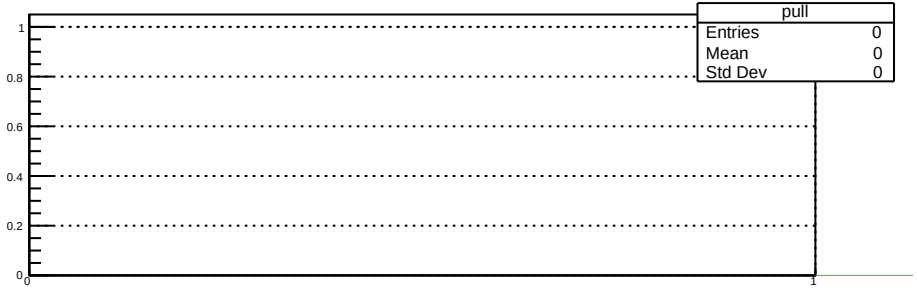

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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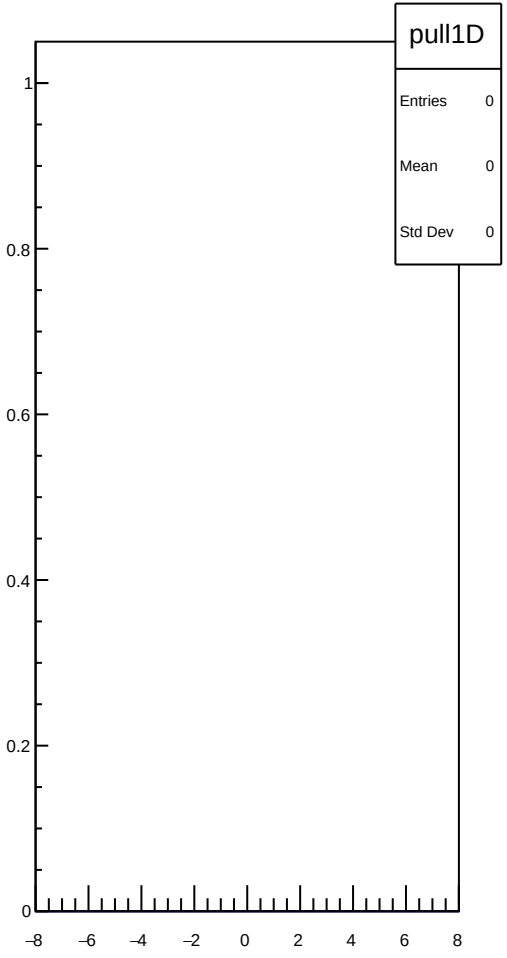

pull
Entries 0
Mean 0
Std Dev 0
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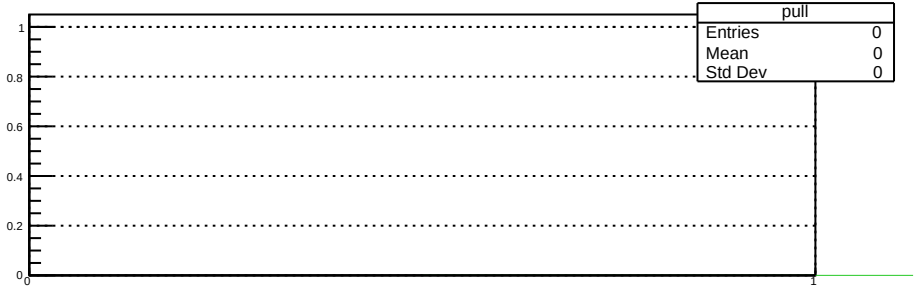

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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–4
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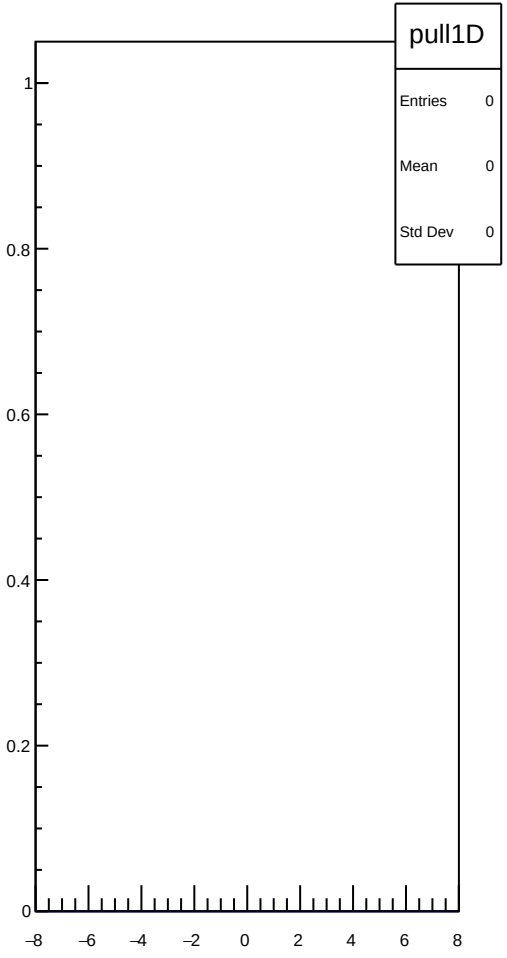

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
1

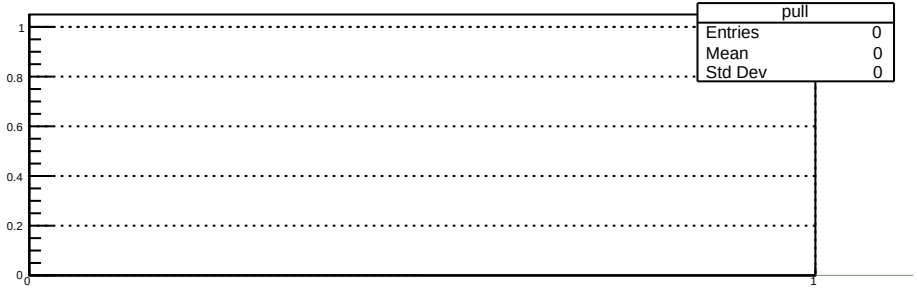

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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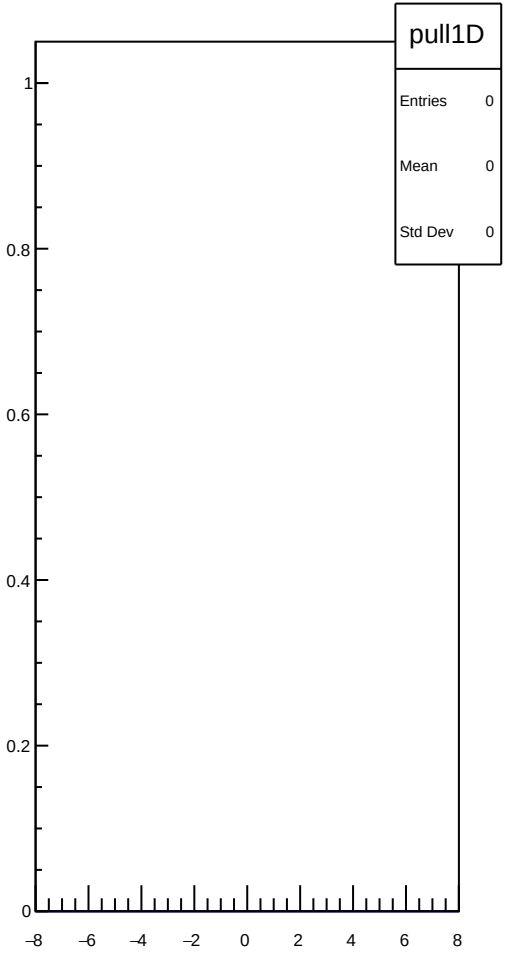

pull
Entries 0
Mean 0
Std Dev 0
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0.4
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0
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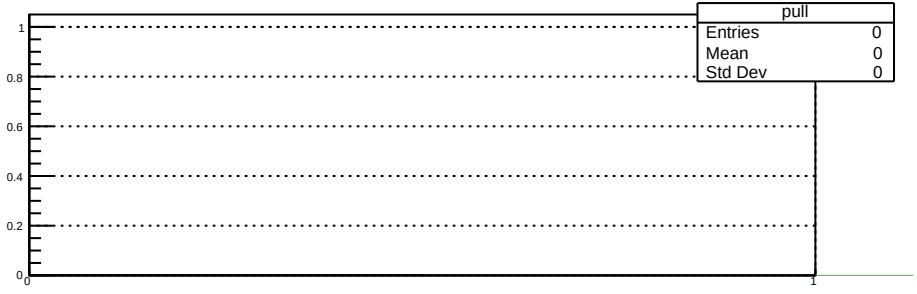

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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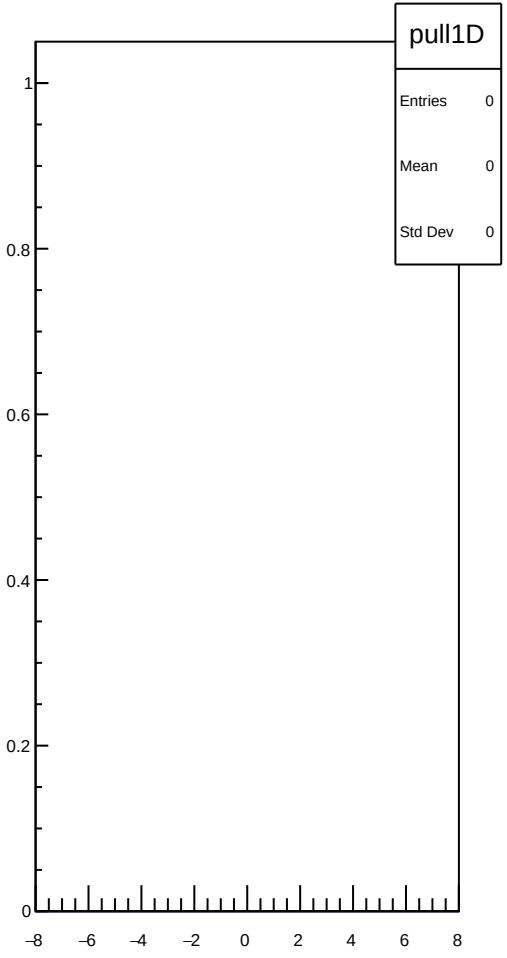

pull
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Mean 0
Std Dev 0
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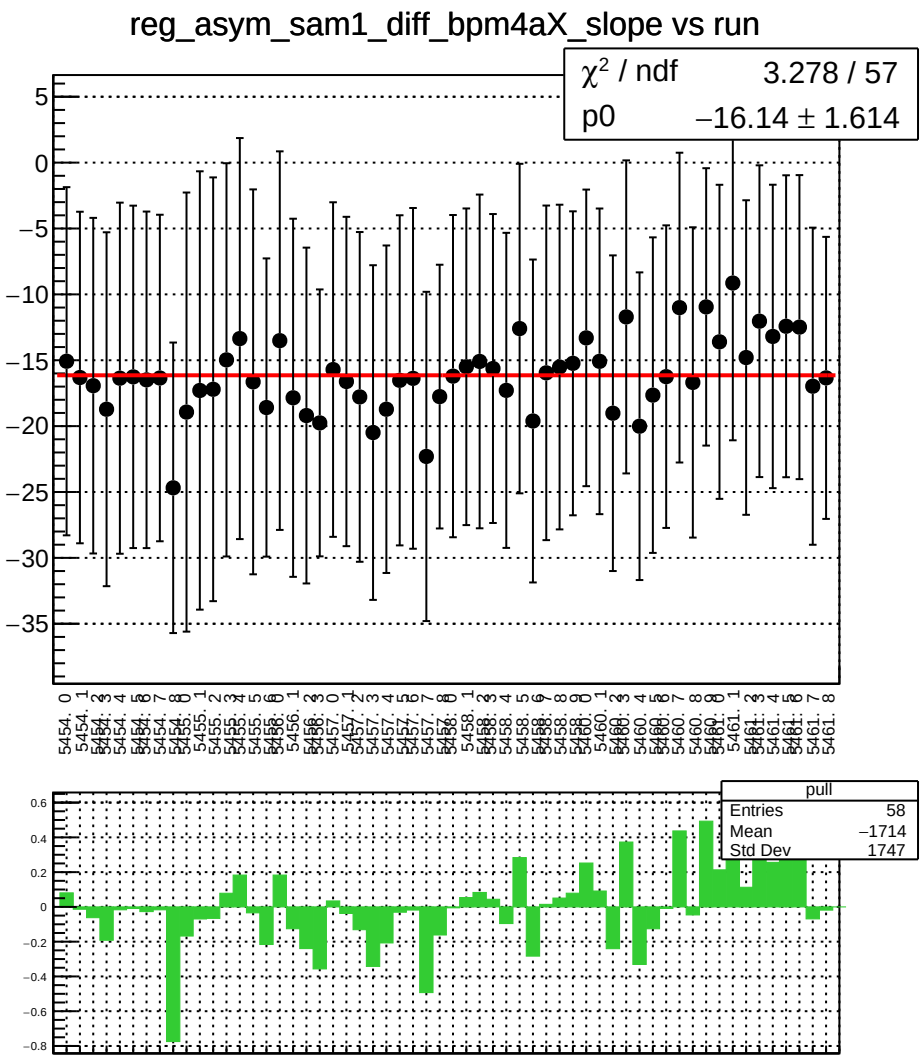

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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–4
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4
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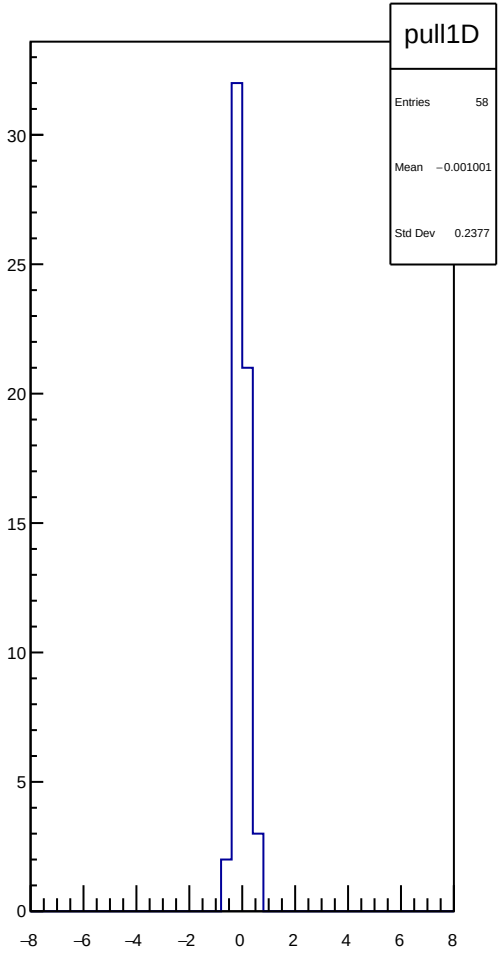

pull
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Mean 0
Std Dev 0
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0.2
0
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1

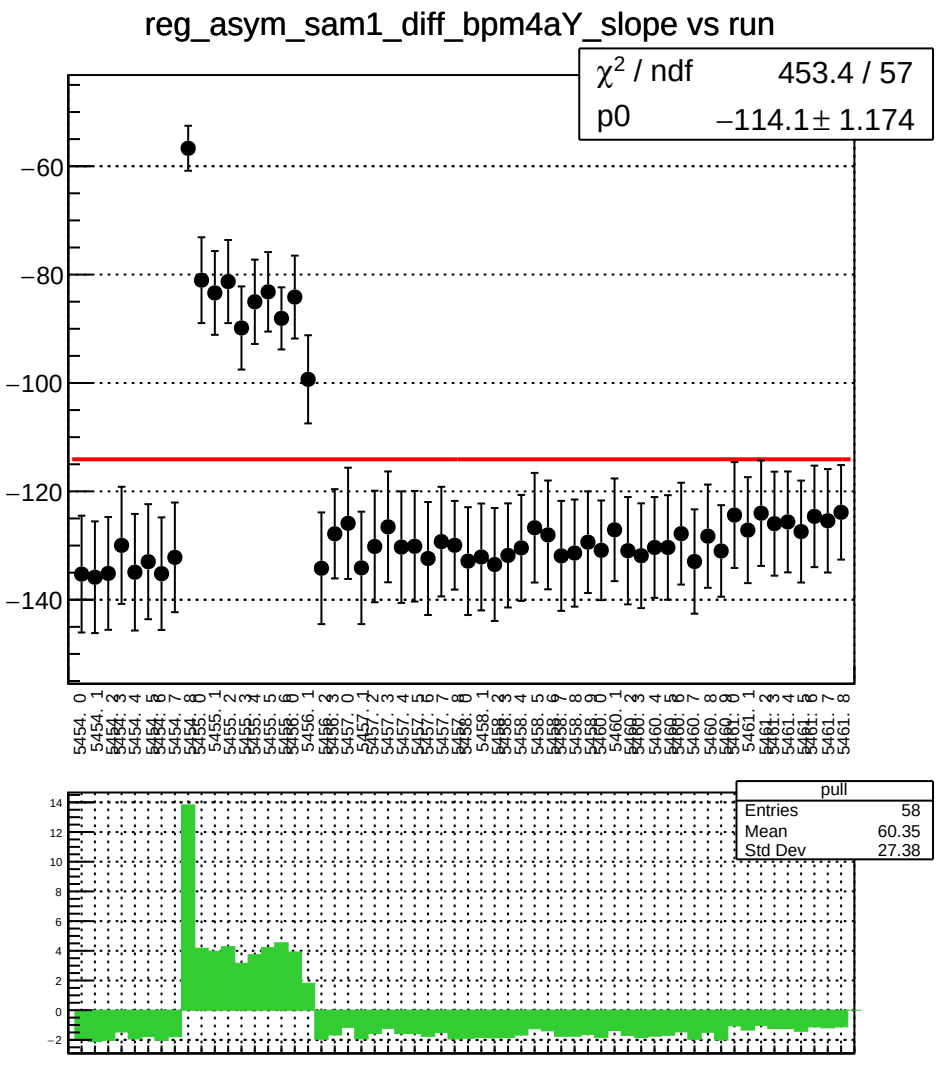

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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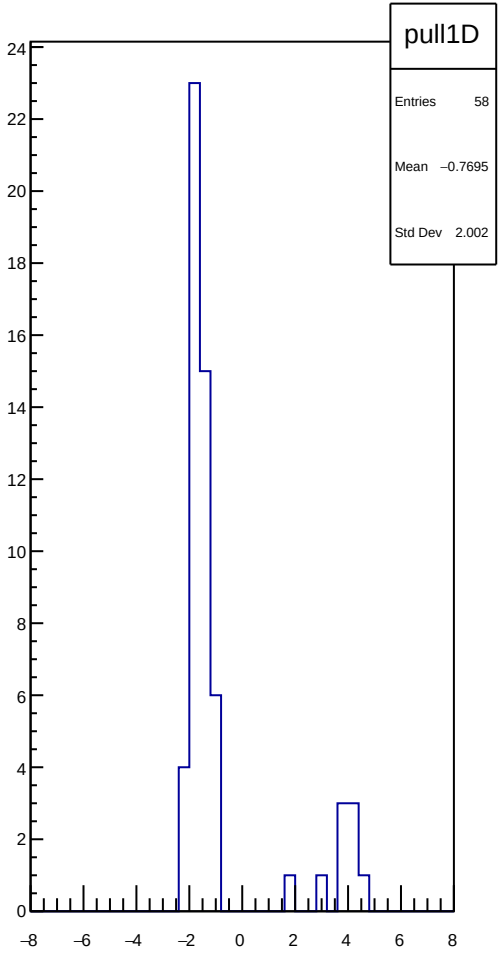

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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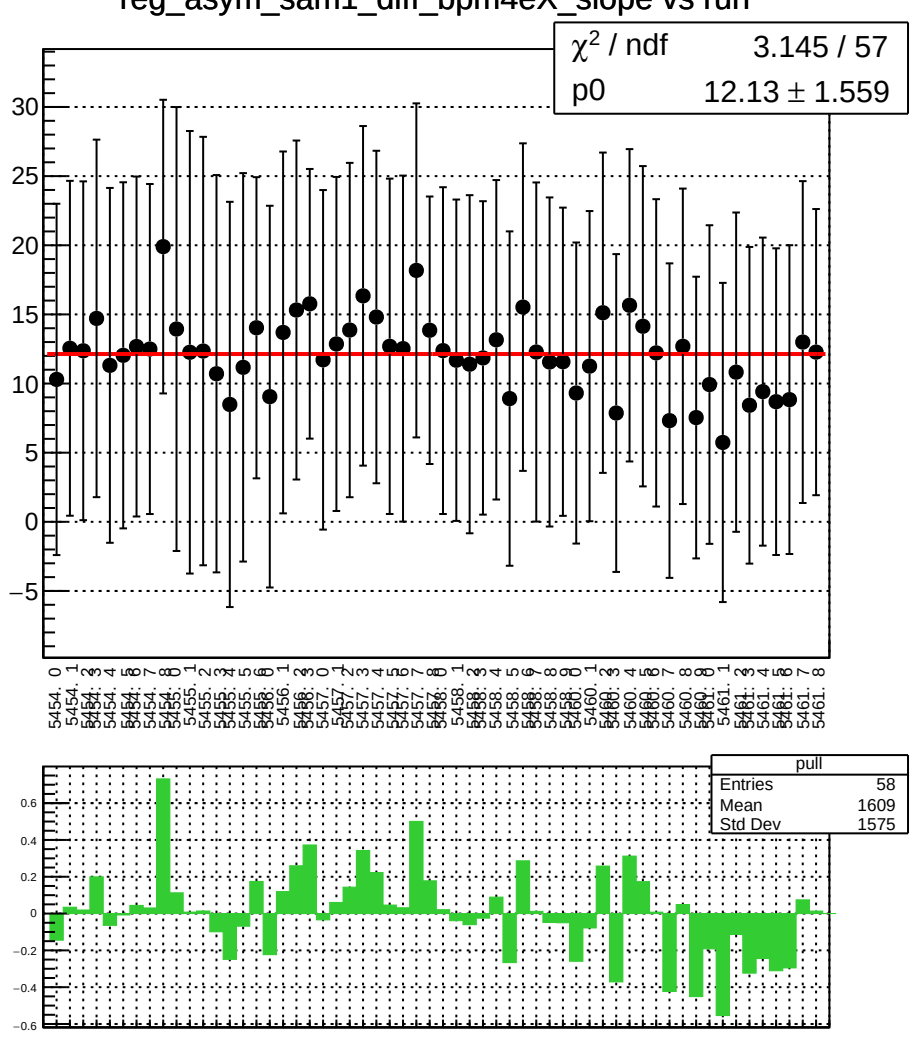

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
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–4
–2
0
2
4
6
8

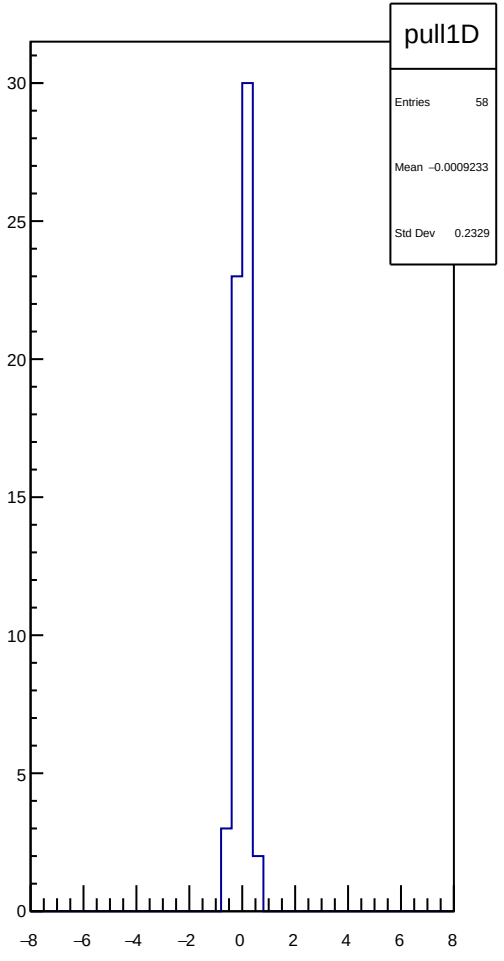

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 3.278 / 57
p0 −16.14 ± 1.614
pull
Entries 58
Mean −1714
Std Dev 1747

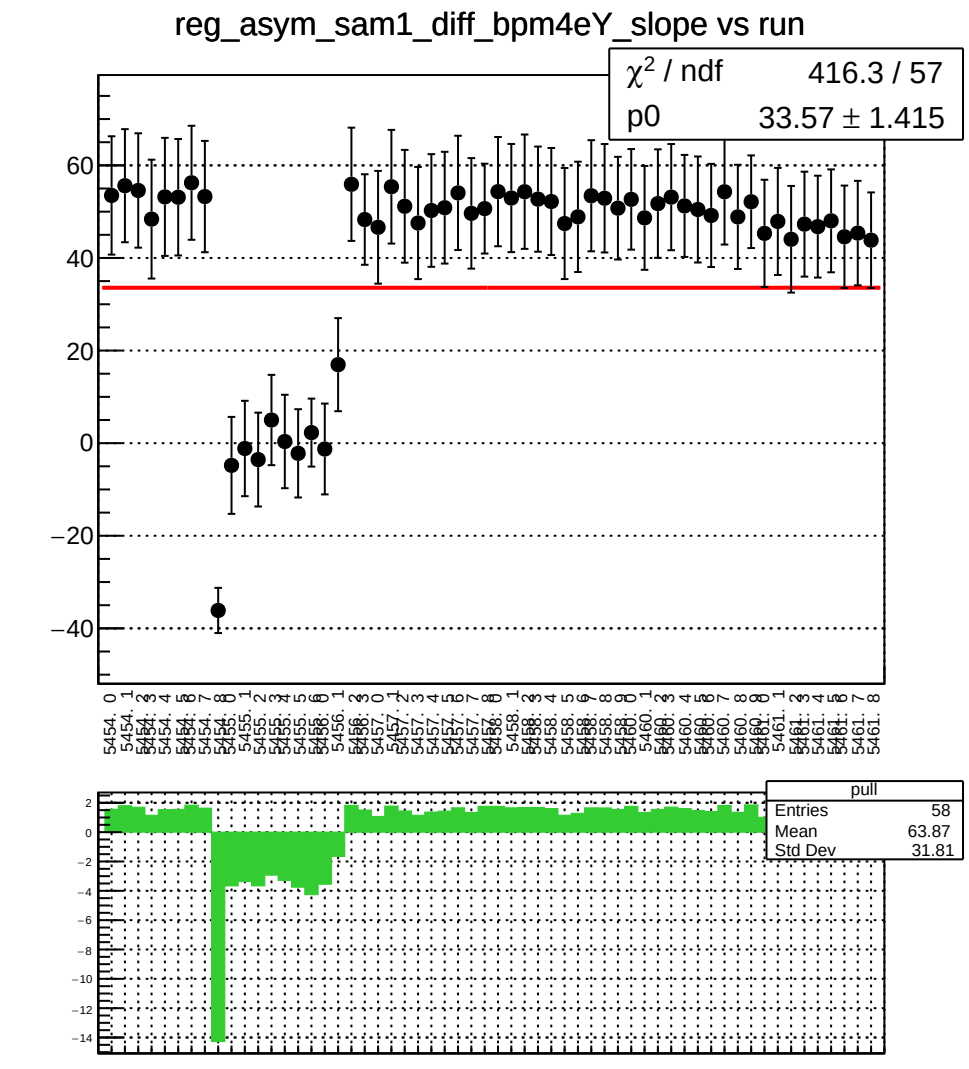

pull1D
Entries 58
Mean −0.001001
Std Dev 0.2377

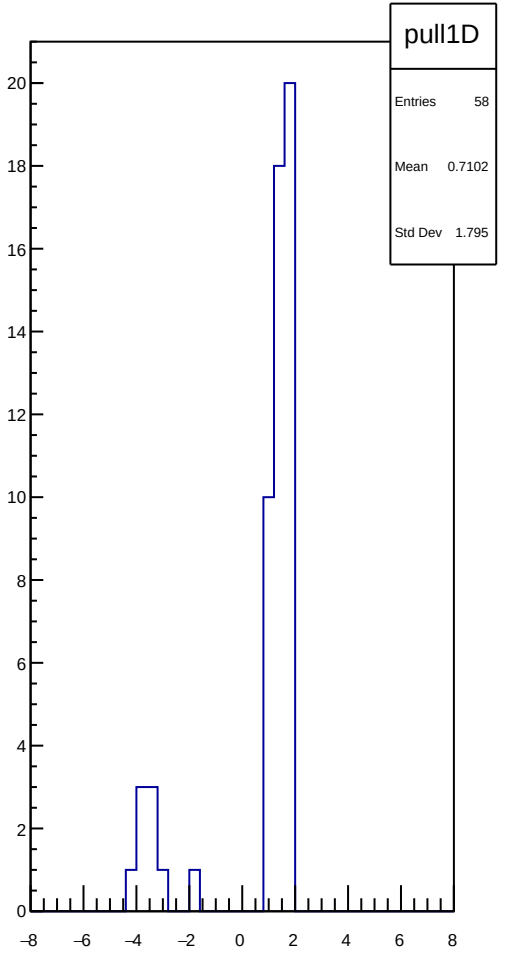

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 453.4 / 57
p0 −114.1 ± 1.174
−60
−80
−100
−120
−140
pull
Entries 58
Mean 60.35
Std Dev 27.38
14
12
10
8
6
4
2
0
−2

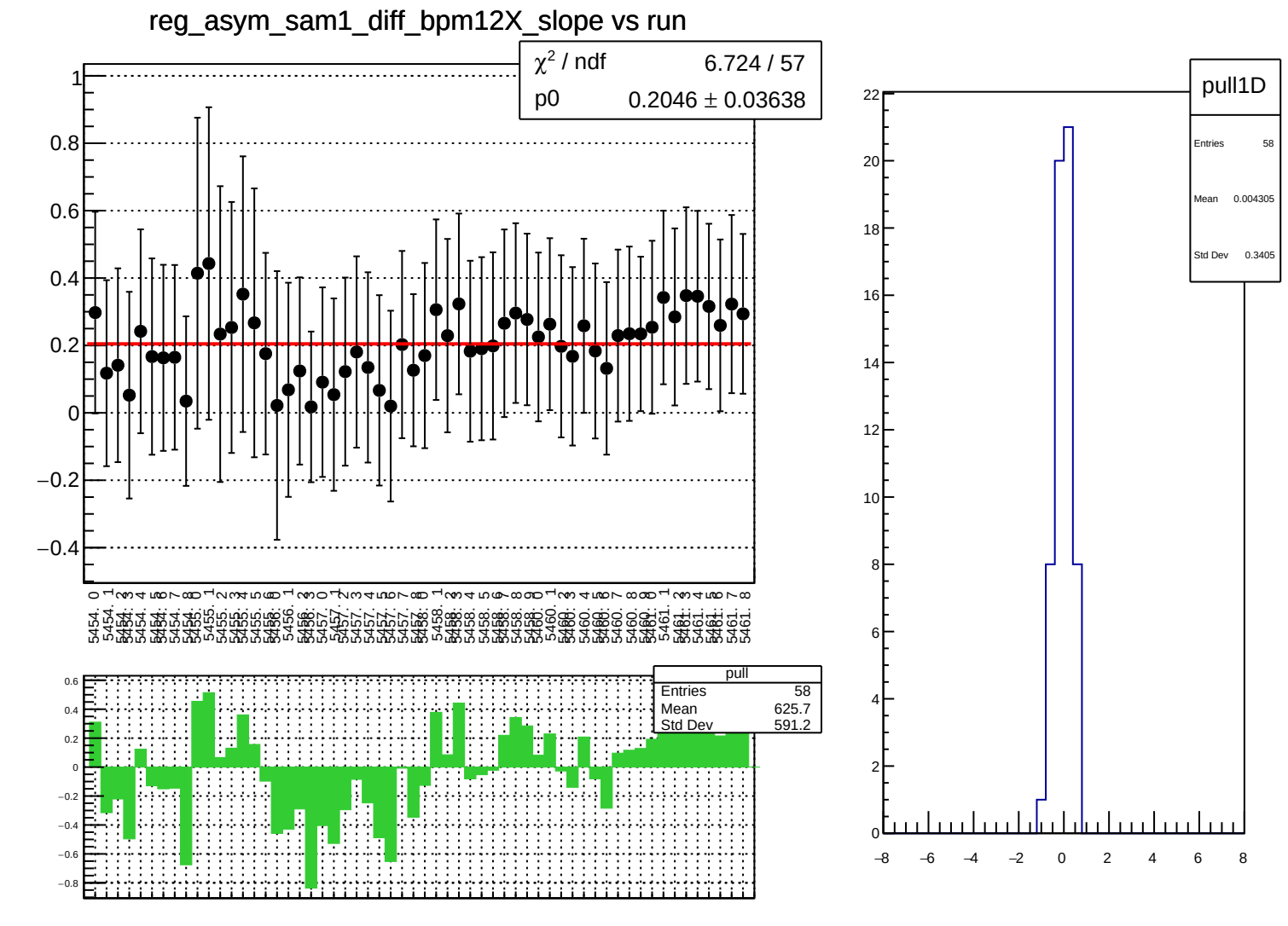

pull1D
Entries 58
Mean −0.7695
Std Dev 2.002
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

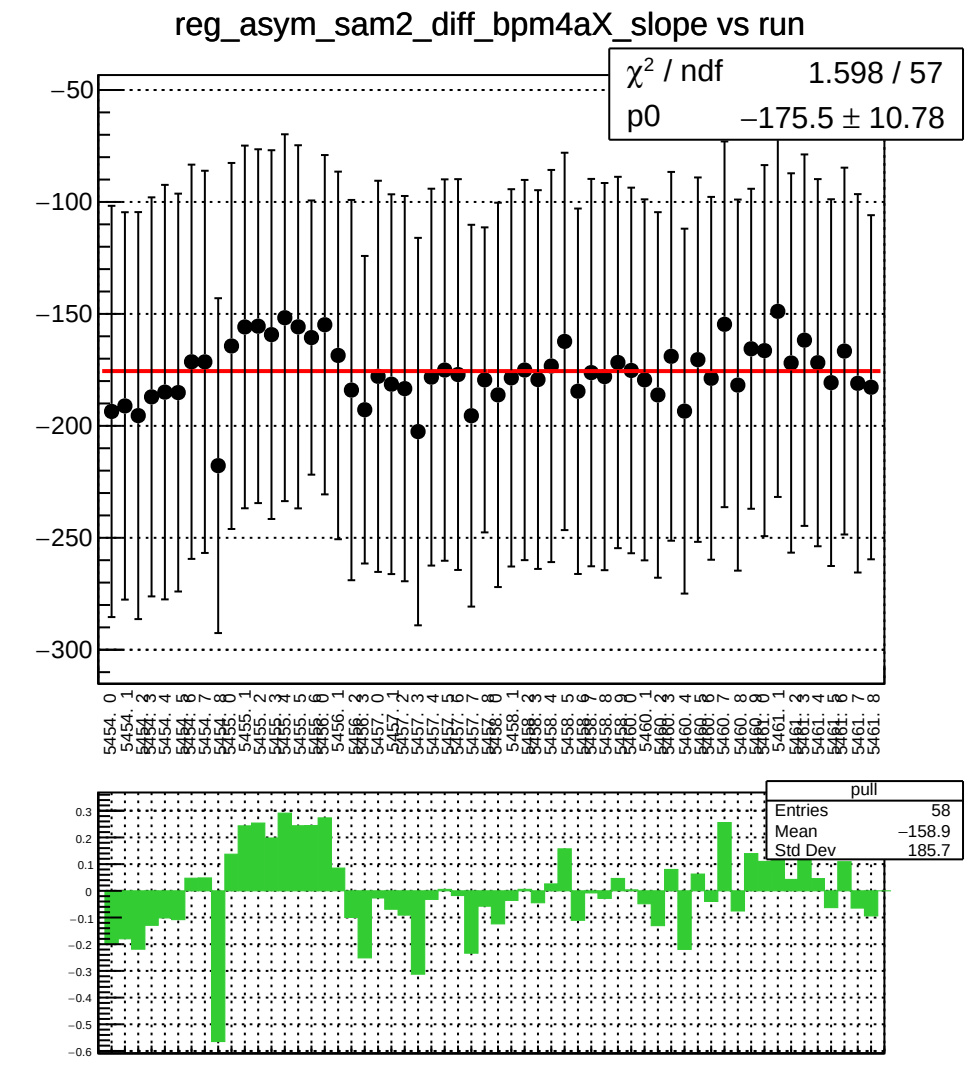

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 3.145 / 57
p0 12.13 ± 1.559
pull
Entries 58
Mean 1609
Std Dev 1575

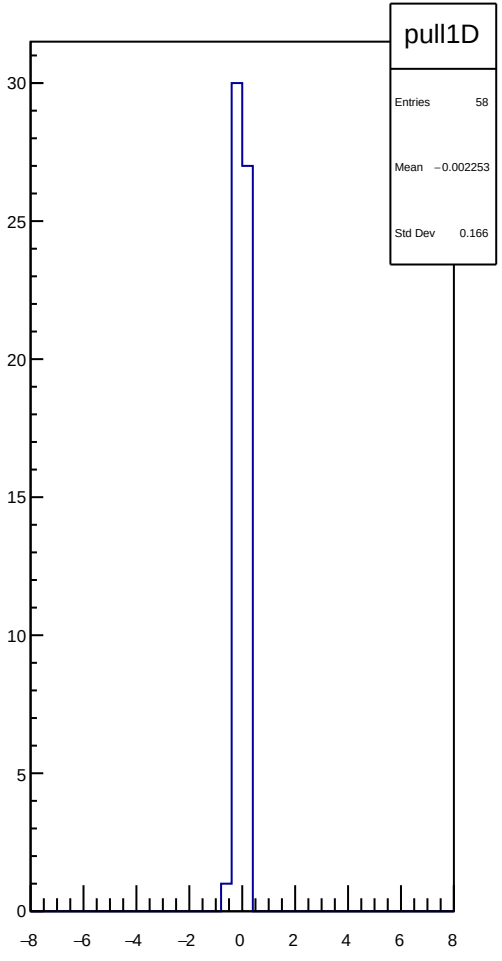

pull1D
Entries 58
Mean −0.0009233
Std Dev 0.2329

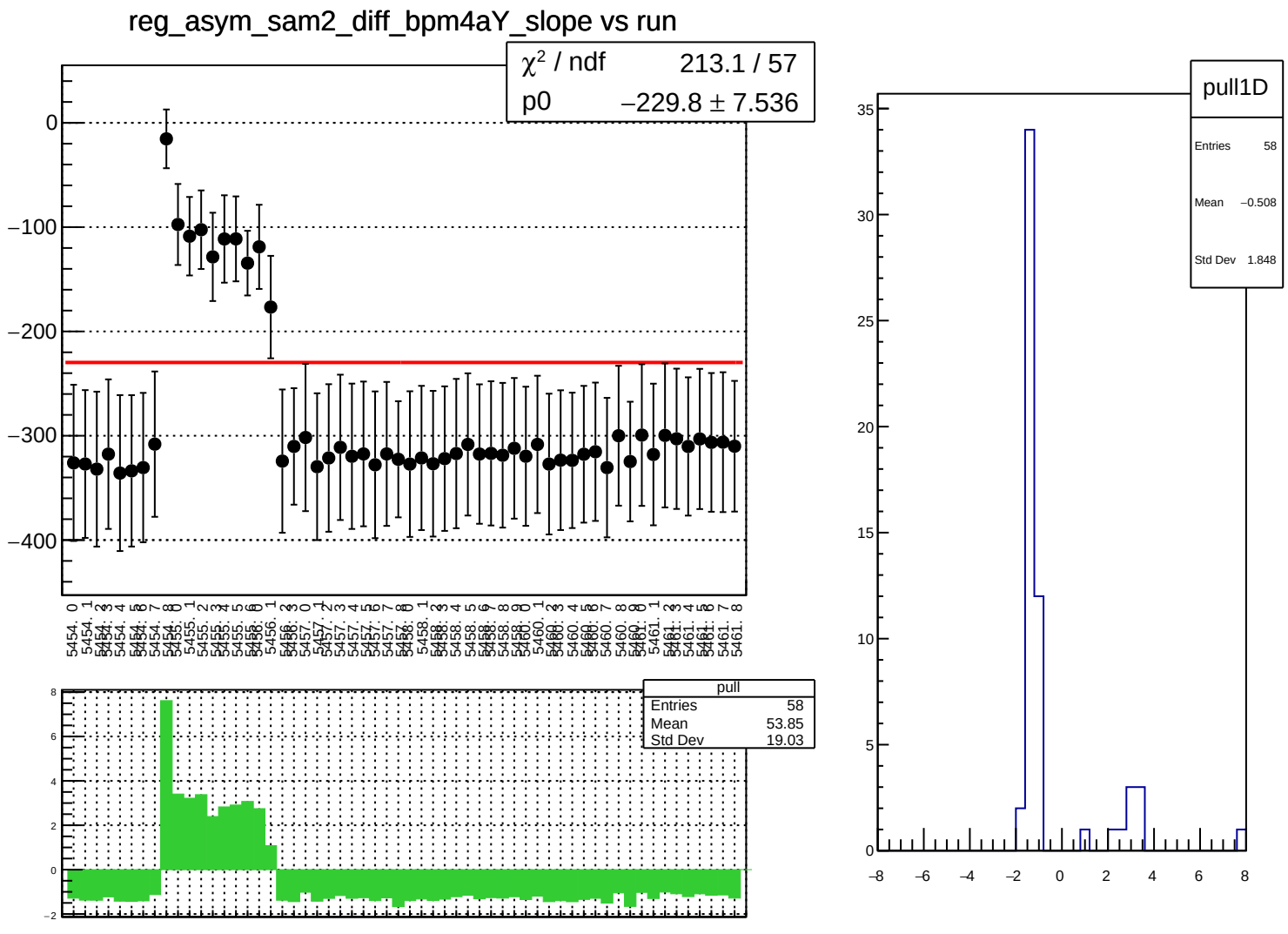

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 416.3 / 57
p0 33.57 ± 1.415
pull
Entries 58
Mean 63.87
Std Dev 31.81

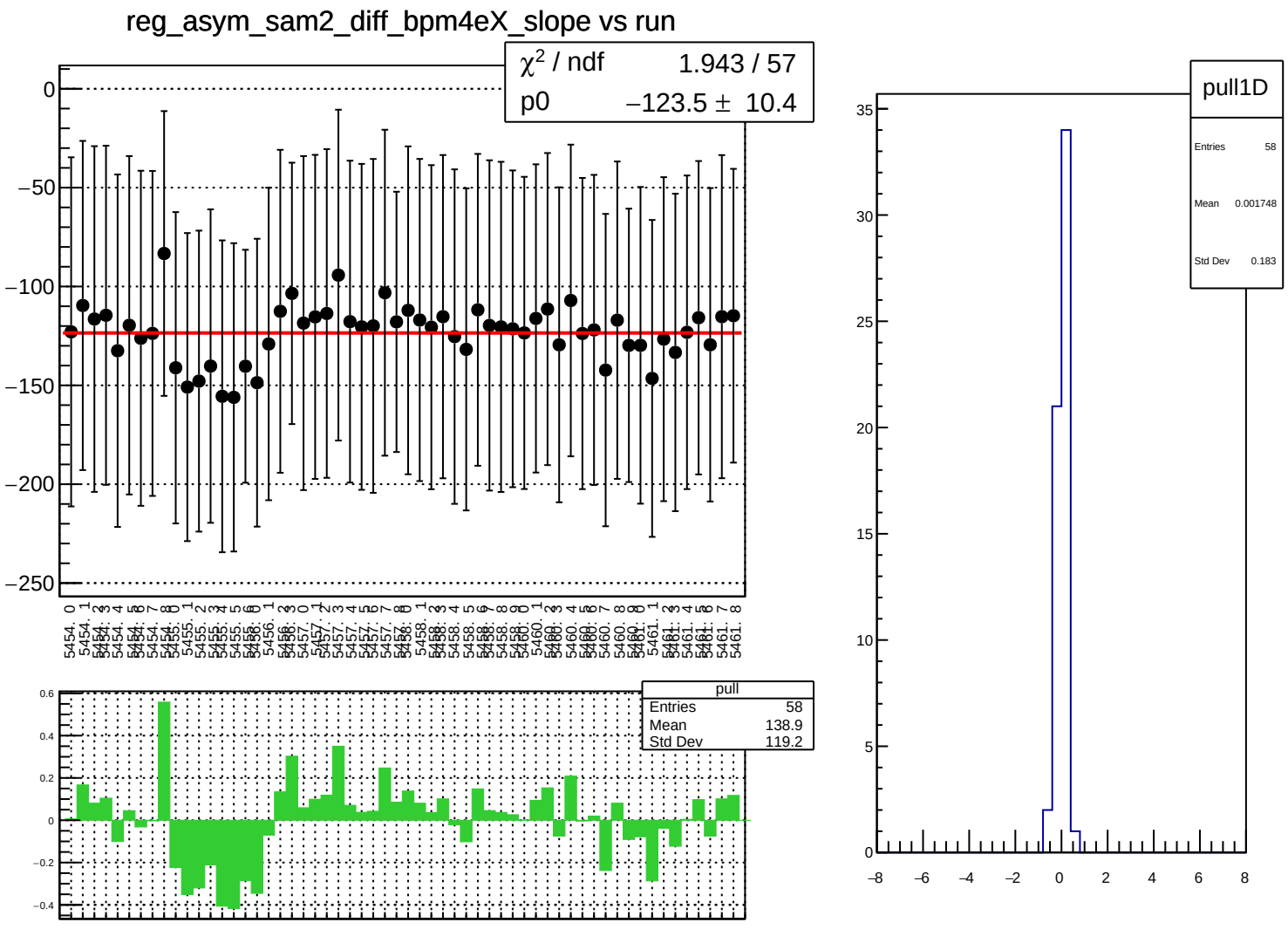

pull1D
Entries 58
Mean 0.7102
Std Dev 1.795

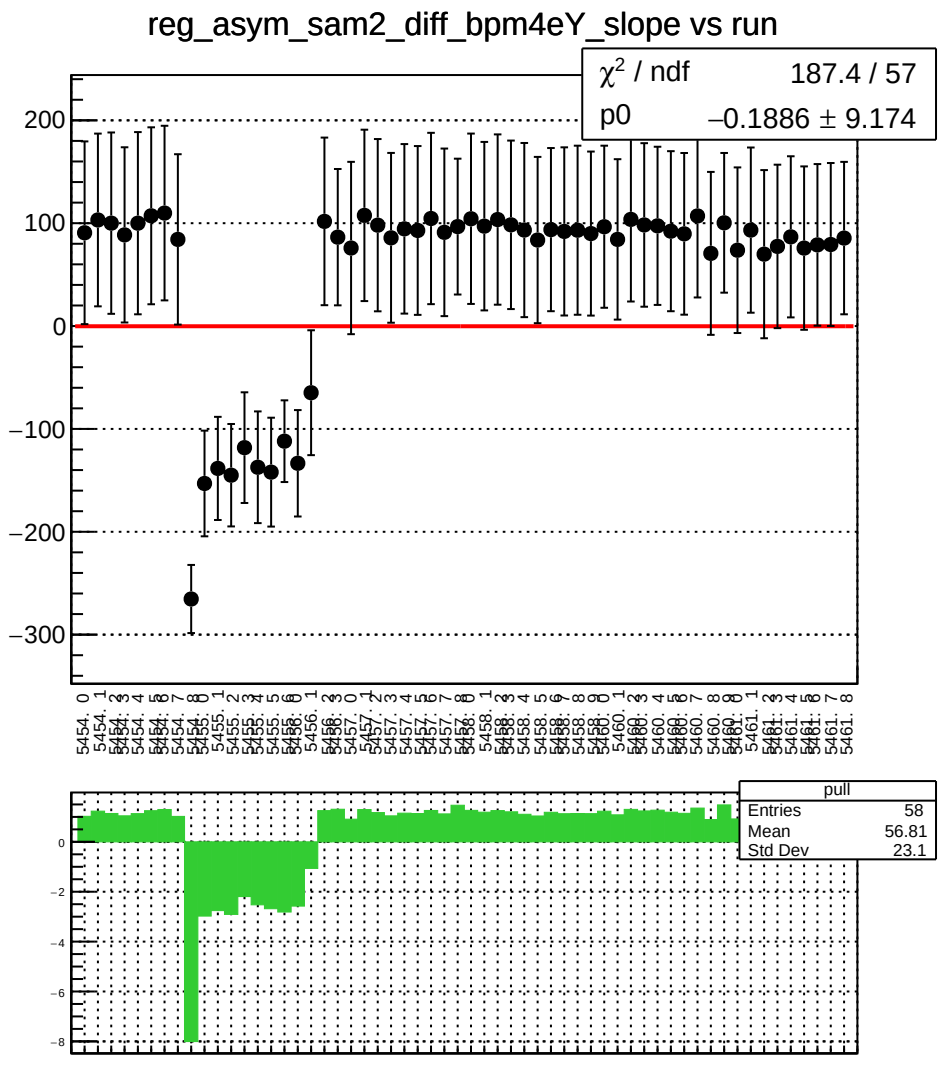

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 6.724 / 57
p0 0.2046 ± 0.03638
pull
Entries 58
Mean 625.7
Std Dev 591.2
pull1D
Entries 58
Mean 0.004305
Std Dev 0.3405

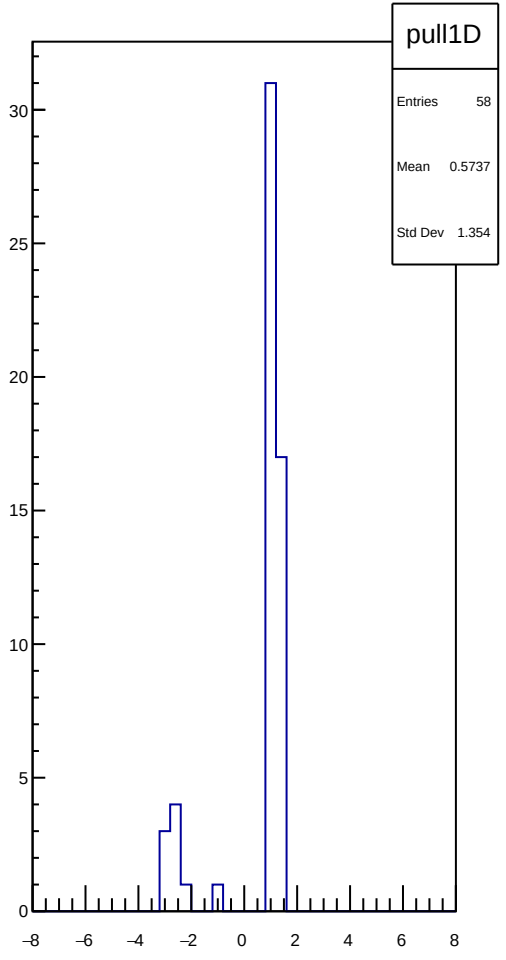

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 1.598 / 57
p0 −175.5 ± 10.78
pull
Entries 58
Mean −158.9
Std Dev 185.7

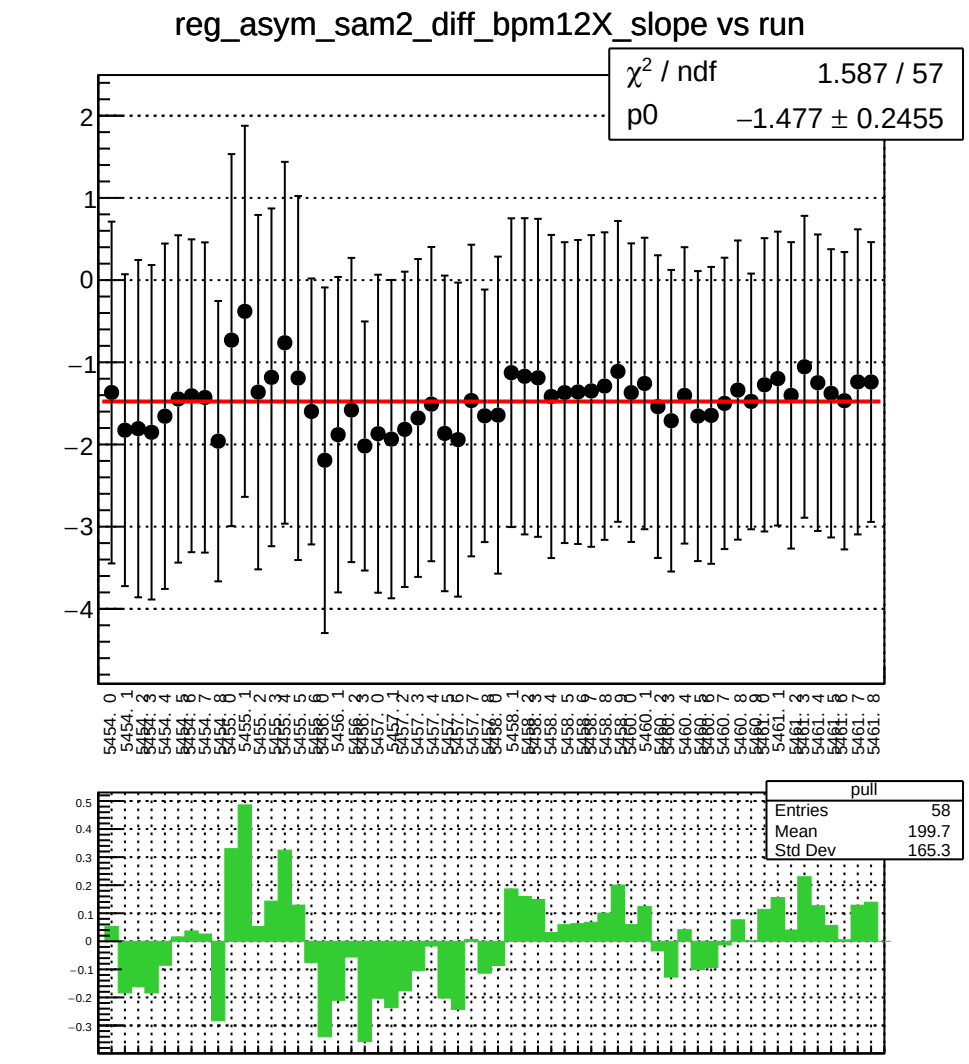

pull1D
Entries 58
Mean −0.002253
Std Dev 0.166

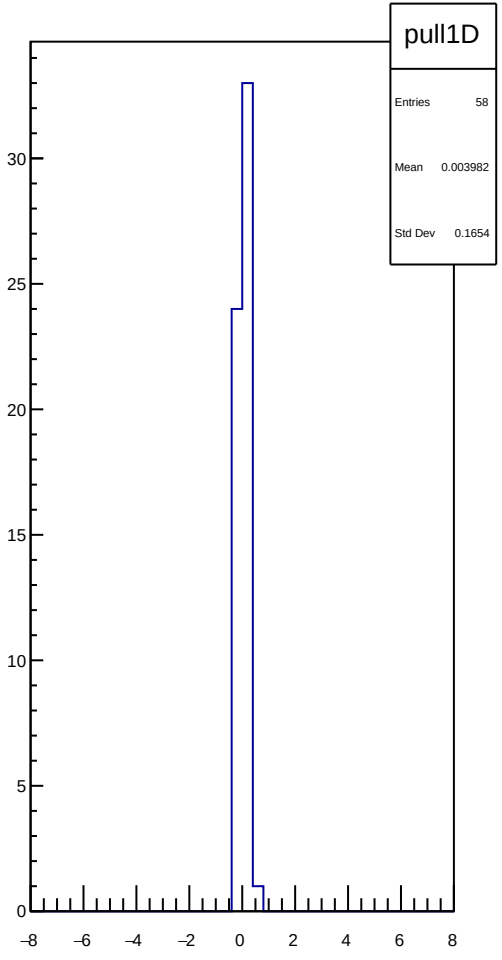

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 213.1 / 57
p0 −229.8 ± 7.536
pull
Entries 58
Mean 53.85
Std Dev 19.03
pull1D
Entries 58
Mean −0.508
Std Dev 1.848

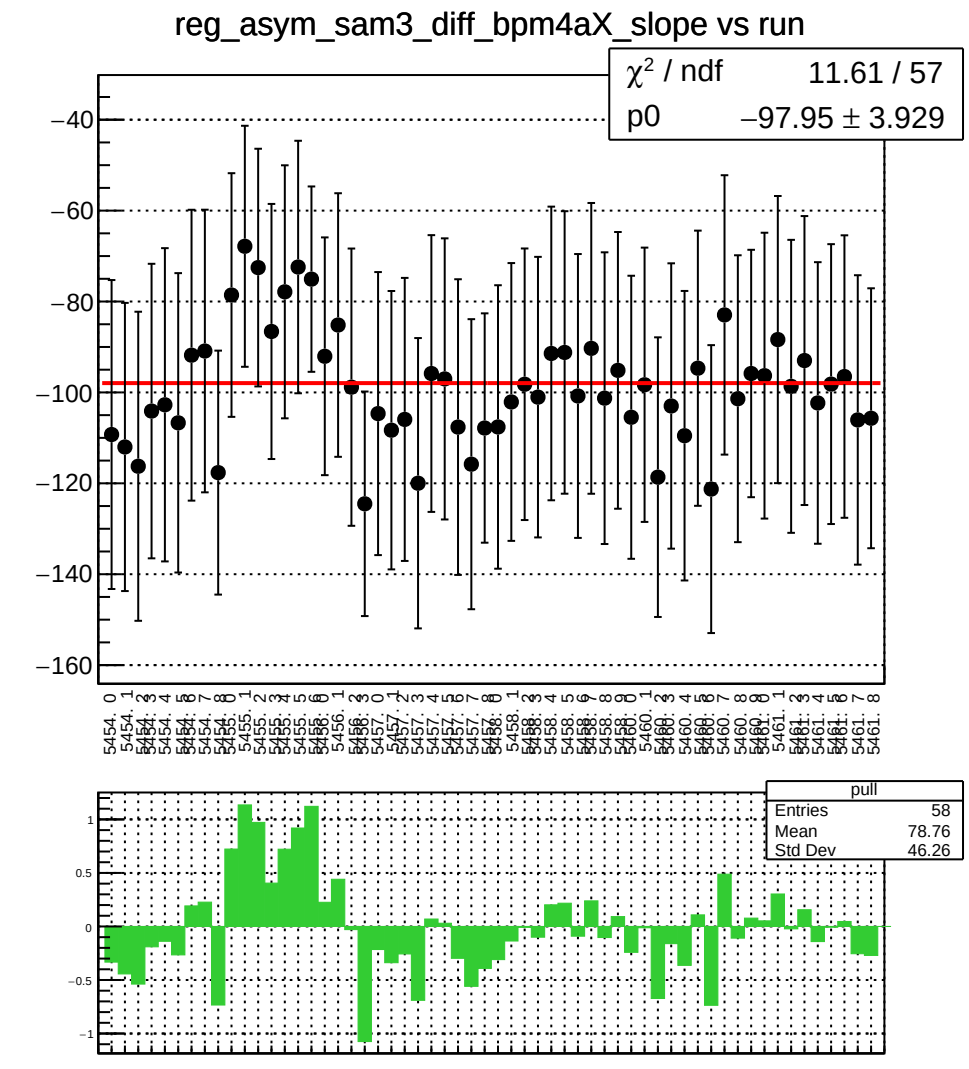

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.943 / 57
p0 −123.5 ± 10.4
pull
Entries 58
Mean 138.9
Std Dev 119.2
pull1D
Entries 58
Mean 0.001748
Std Dev 0.183

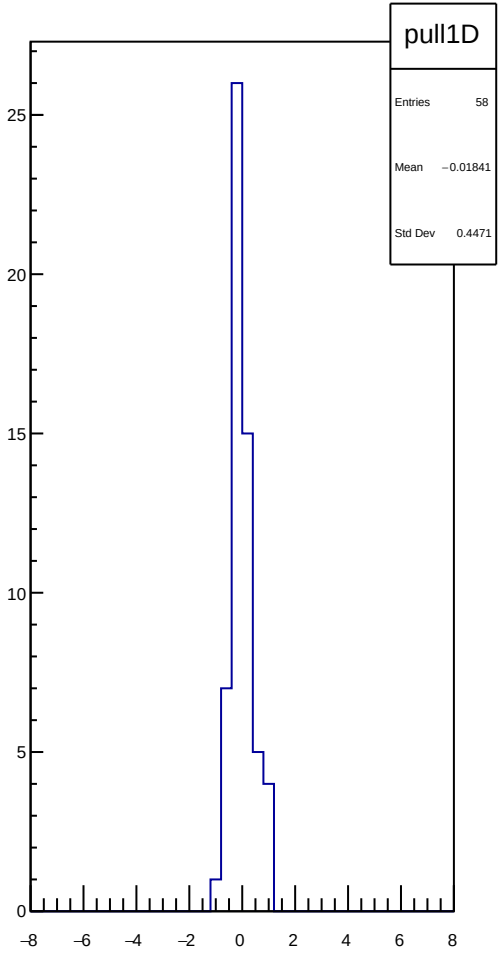

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 187.4 / 57
p0 −0.1886 ± 9.174
pull
Entries 58
Mean 56.81
Std Dev 23.1

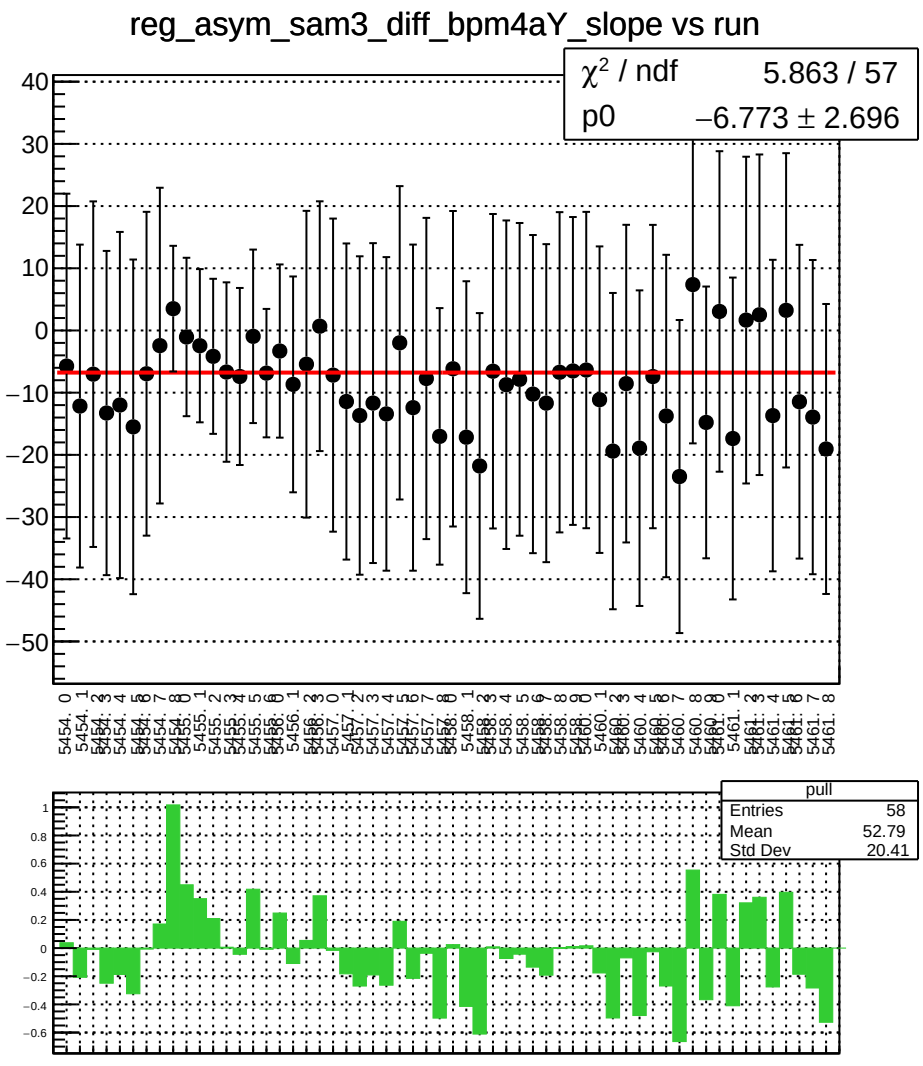

pull1D
Entries 58
Mean 0.5737
Std Dev 1.354

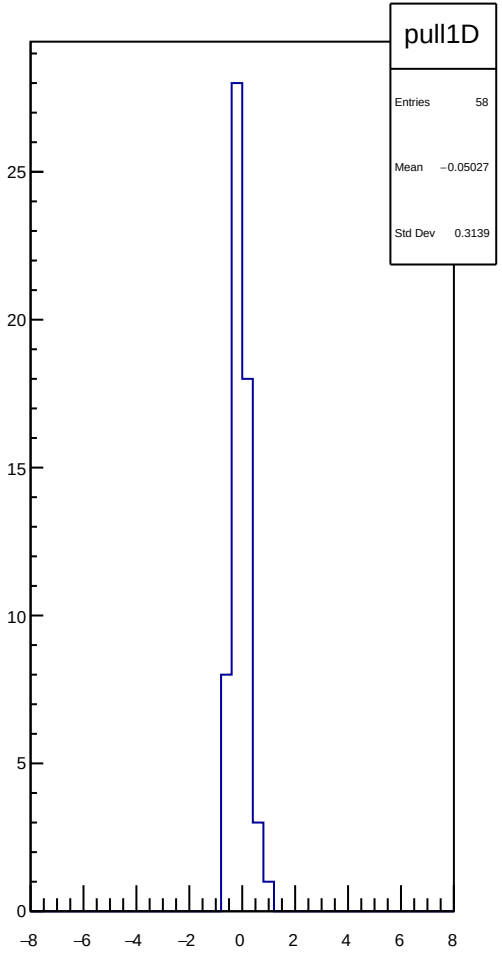

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.587 / 57
p0 −1.477 ± 0.2455
pull
Entries 58
Mean 199.7
Std Dev 165.3

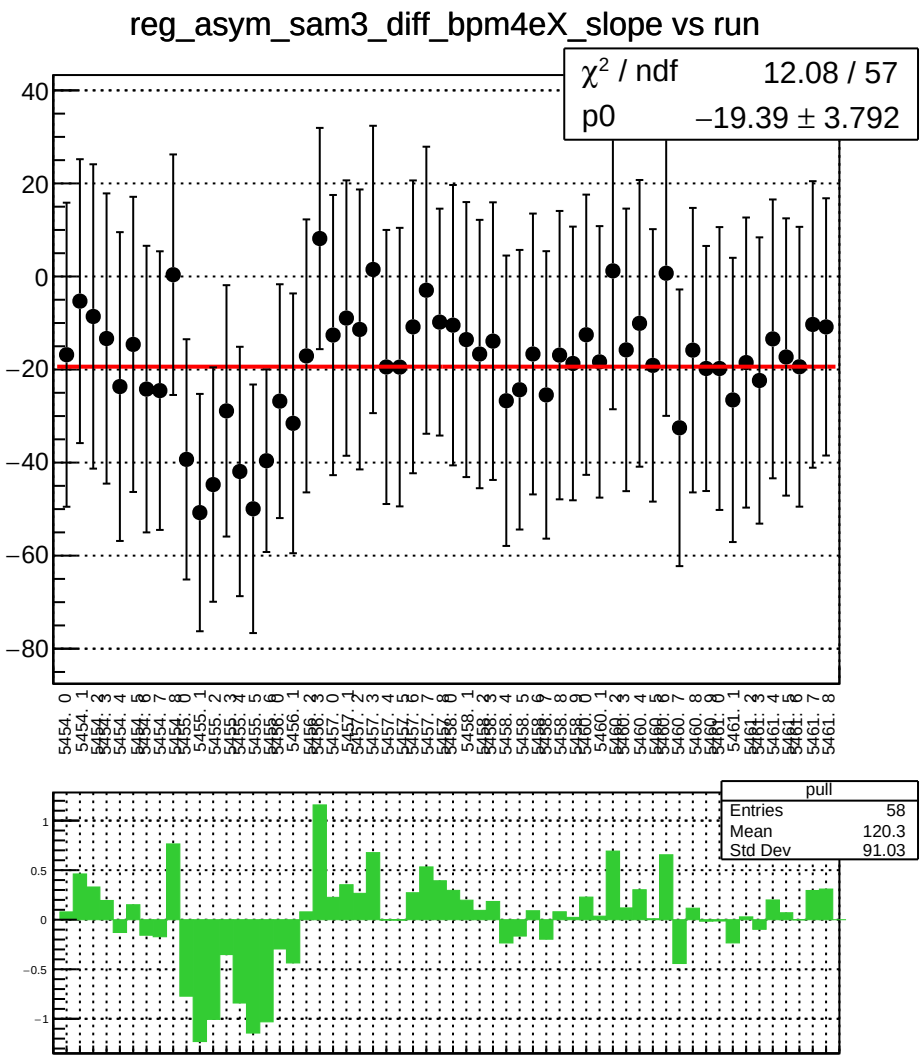

pull1D
Entries 58
Mean 0.003982
Std Dev 0.1654

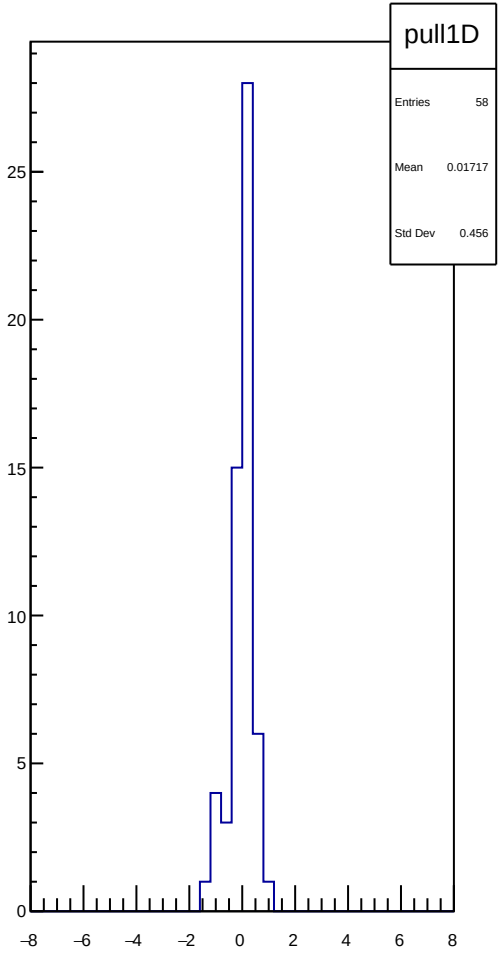

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 11.61 / 57
p0 −97.95 ± 3.929
pull
Entries 58
Mean 78.76
Std Dev 46.26

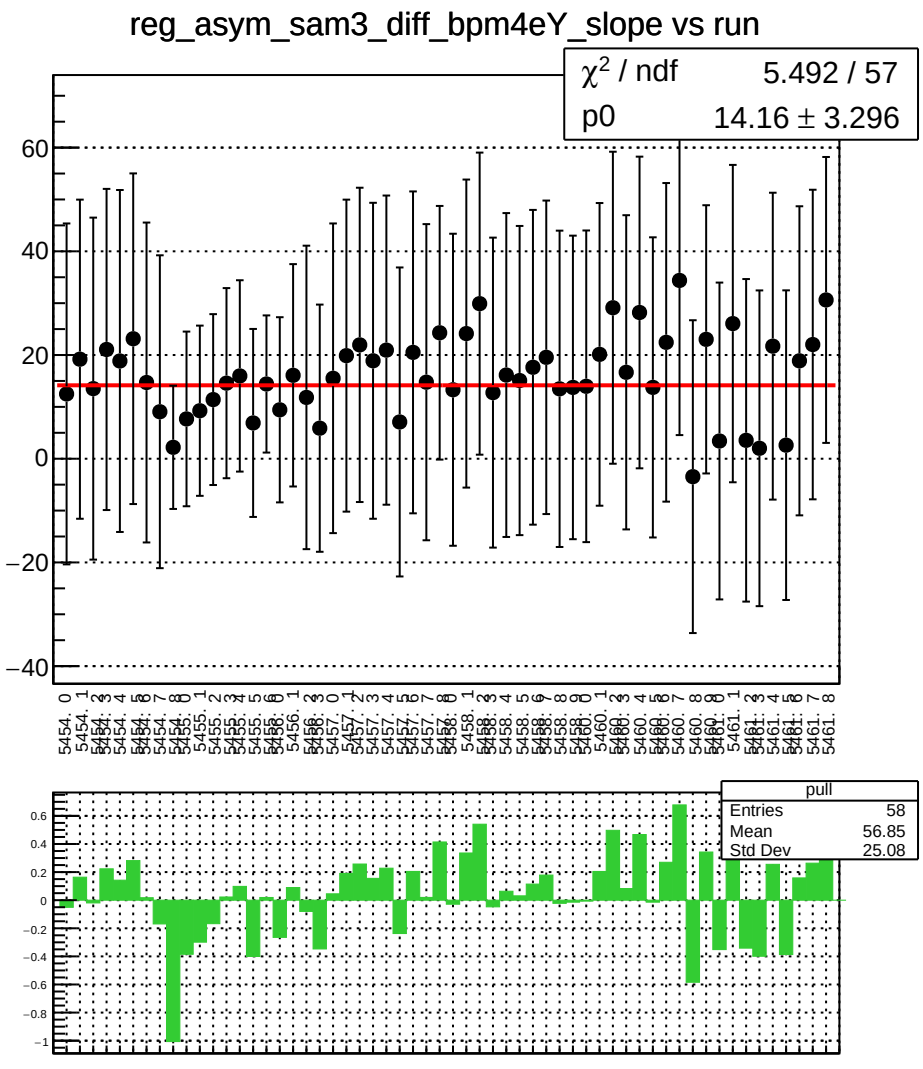

pull1D
Entries 58
Mean −0.01841
Std Dev 0.4471

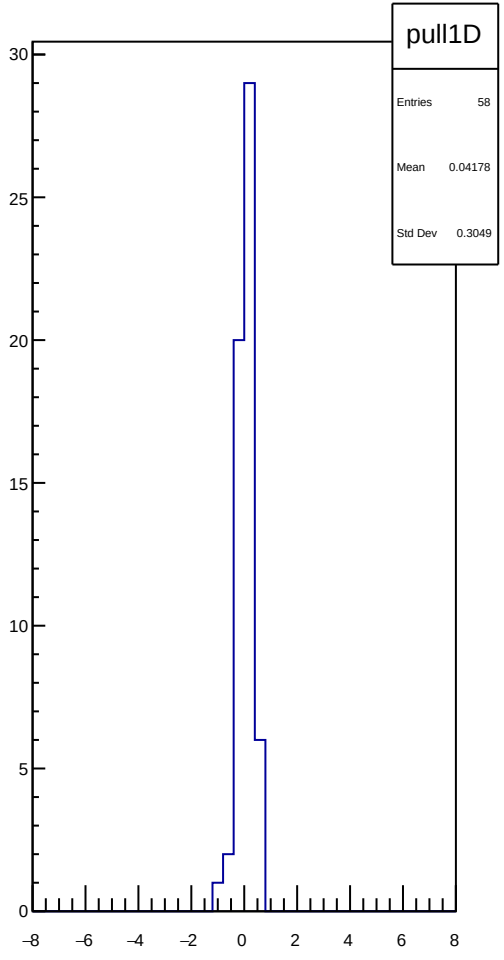

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 5.863 / 57
p0 −6.773 ± 2.696
pull
Entries 58
Mean 52.79
Std Dev 20.41

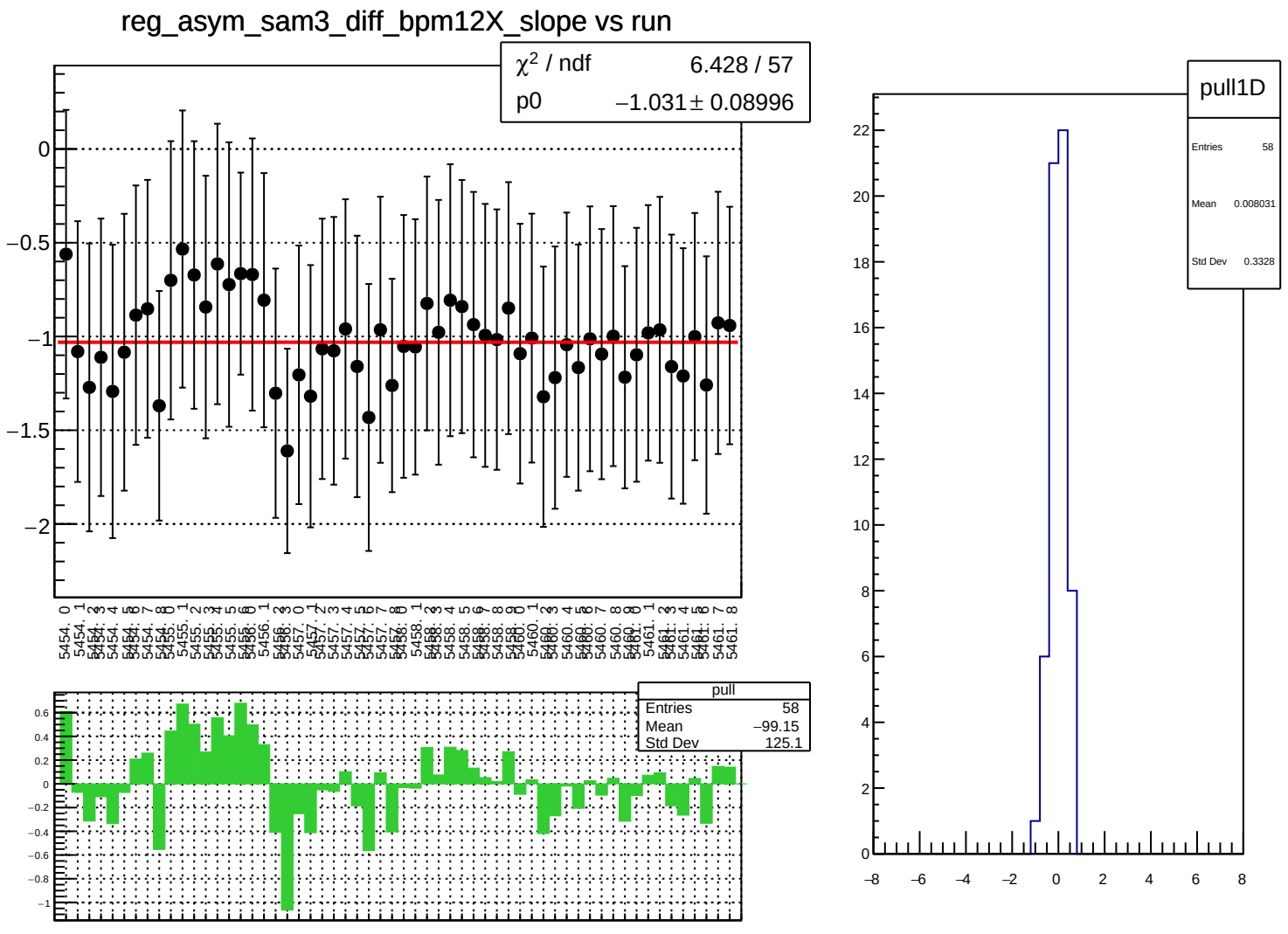

pull1D
Entries 58
Mean −0.05027
Std Dev 0.3139

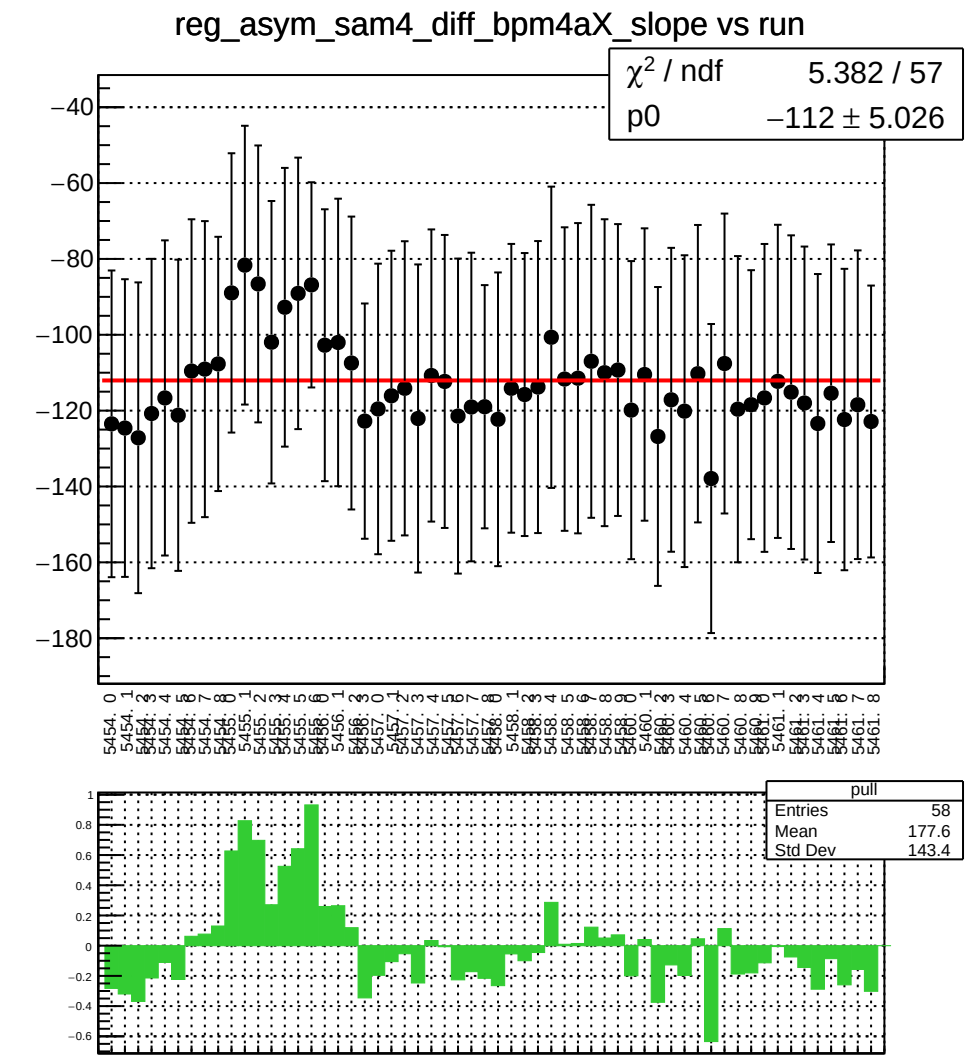

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 12.08 / 57
p0 −19.39 ± 3.792
pull
Entries 58
Mean 120.3
Std Dev 91.03

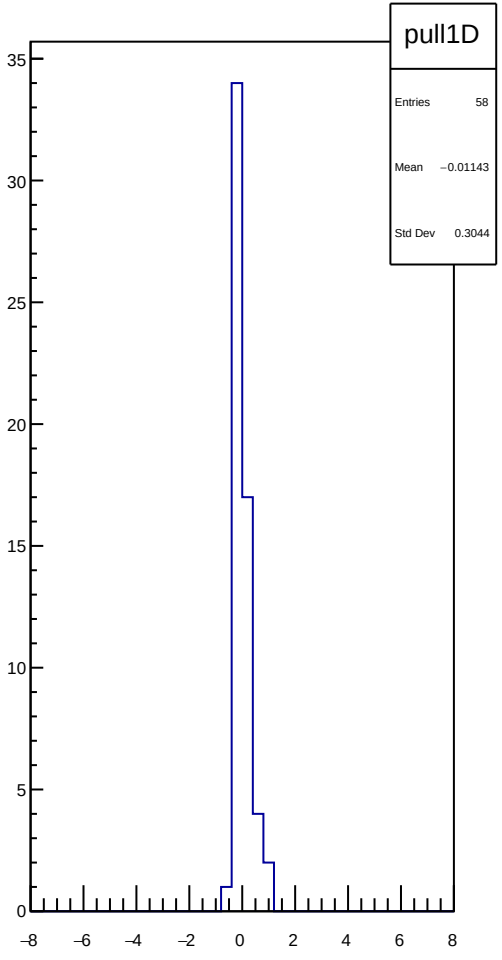

pull1D
Entries 58
Mean 0.01717
Std Dev 0.456

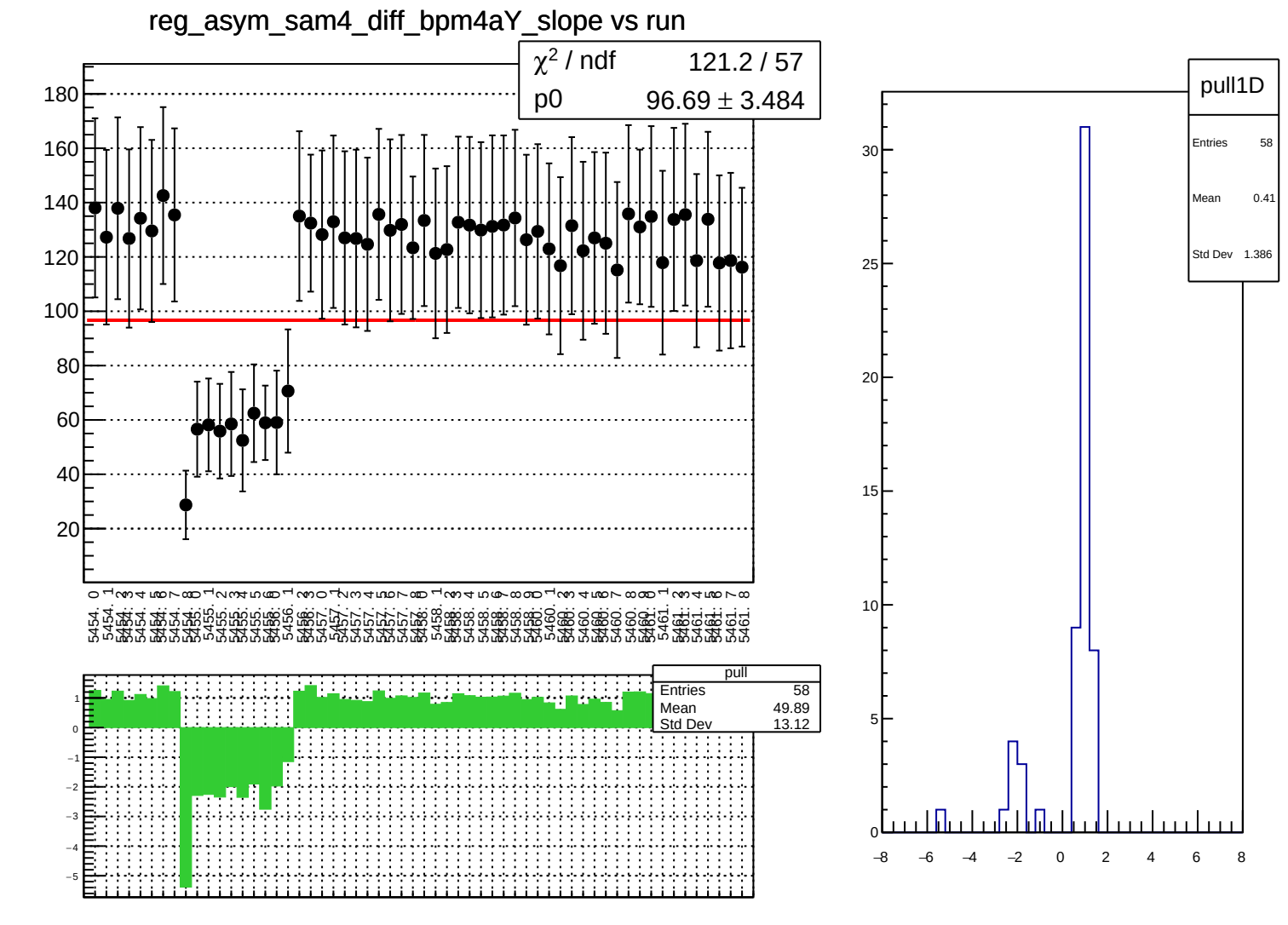

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 5.492 / 57
p0 14.16 ± 3.296
pull
Entries 58
Mean 56.85
Std Dev 25.08

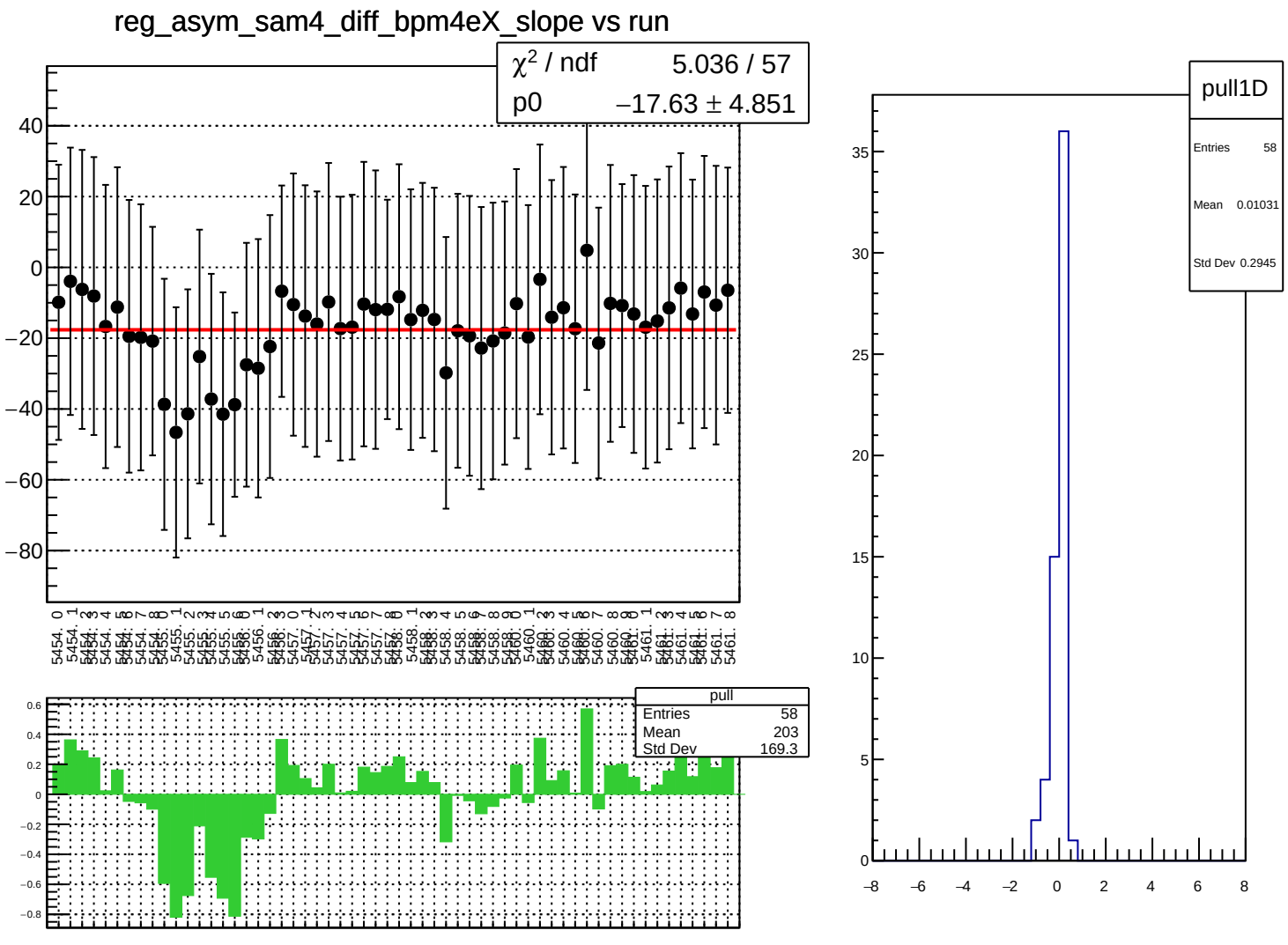

pull1D
Entries 58
Mean 0.04178
Std Dev 0.3049

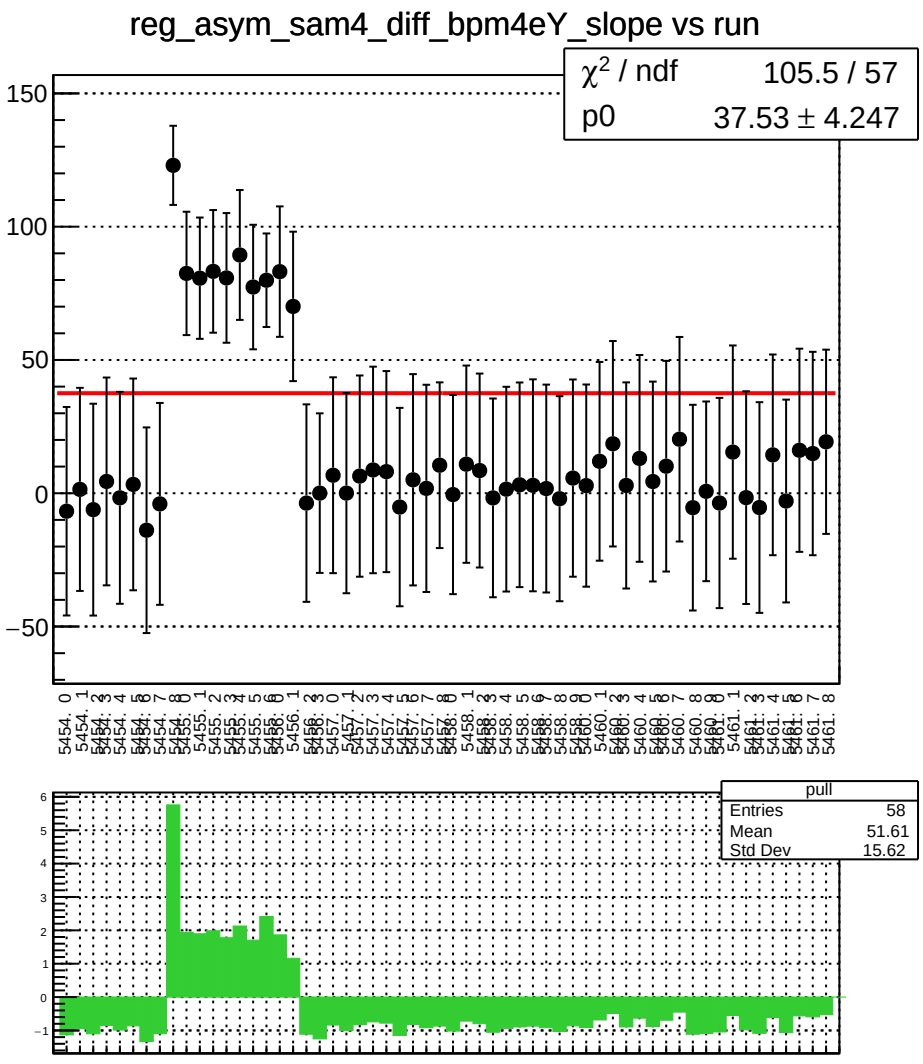

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 6.428 / 57
p0 −1.031 ± 0.08996
pull
Entries 58
Mean −99.15
Std Dev 125.1
pull1D
Entries 58
Mean 0.008031
Std Dev 0.3328

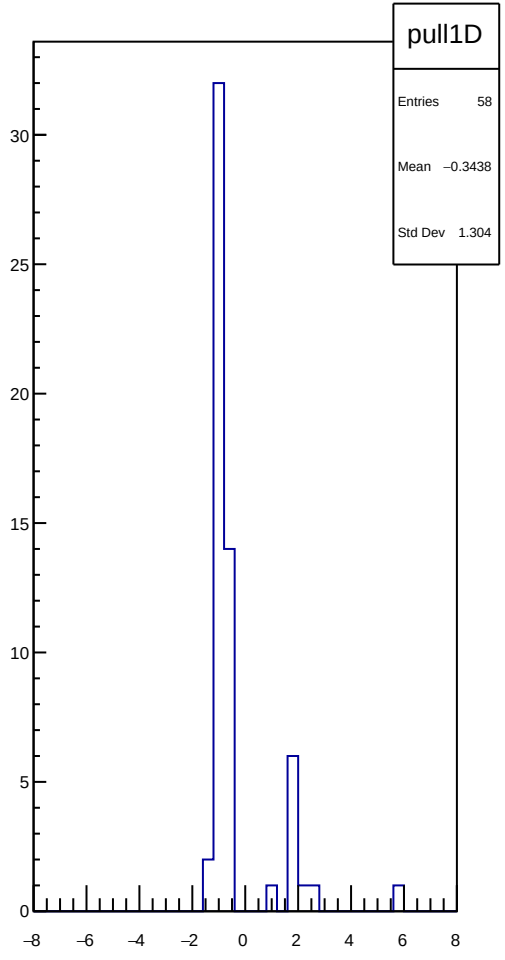

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 5.382 / 57
p0 −112 ± 5.026
pull
Entries 58
Mean 177.6
Std Dev 143.4

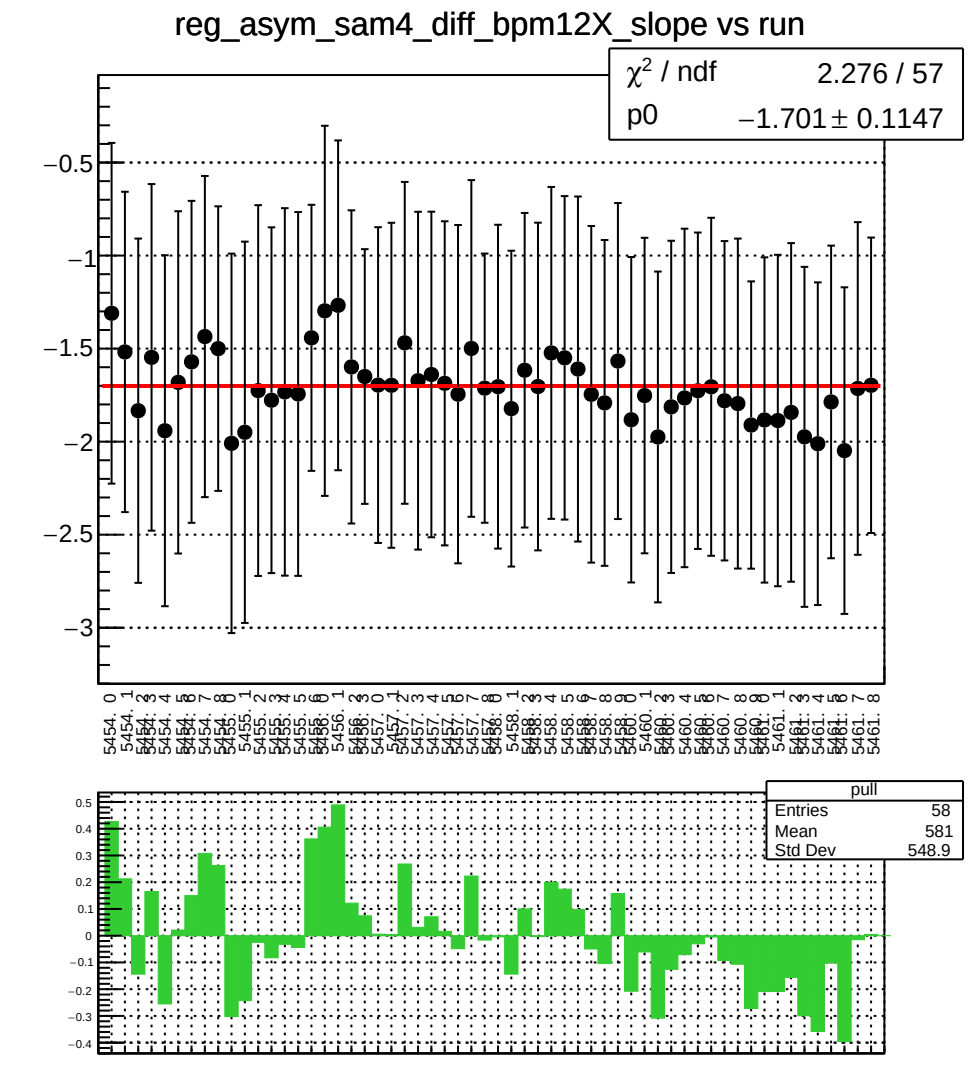

pull1D
Entries 58
Mean −0.01143
Std Dev 0.3044

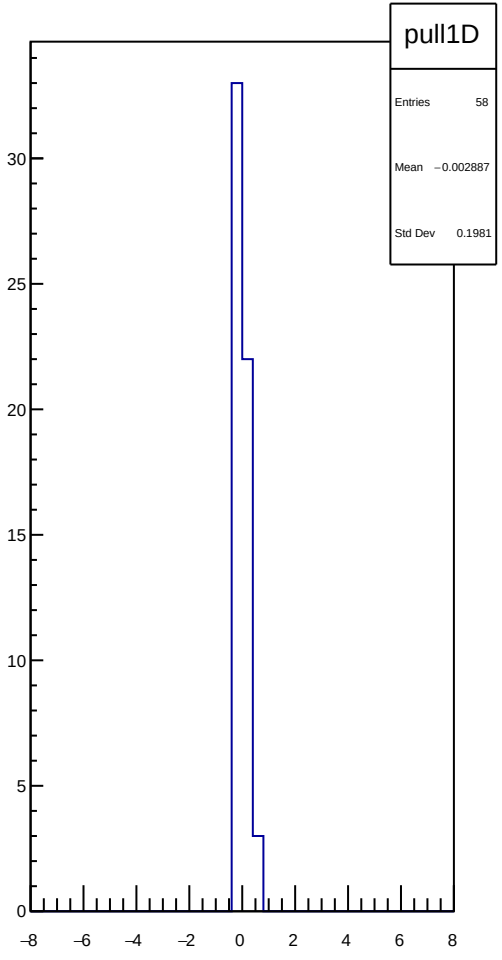

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 121.2 / 57
p0 96.69 ± 3.484
pull
Entries 58
Mean 49.89
Std Dev 13.12
pull1D
Entries 58
Mean 0.41
Std Dev 1.386

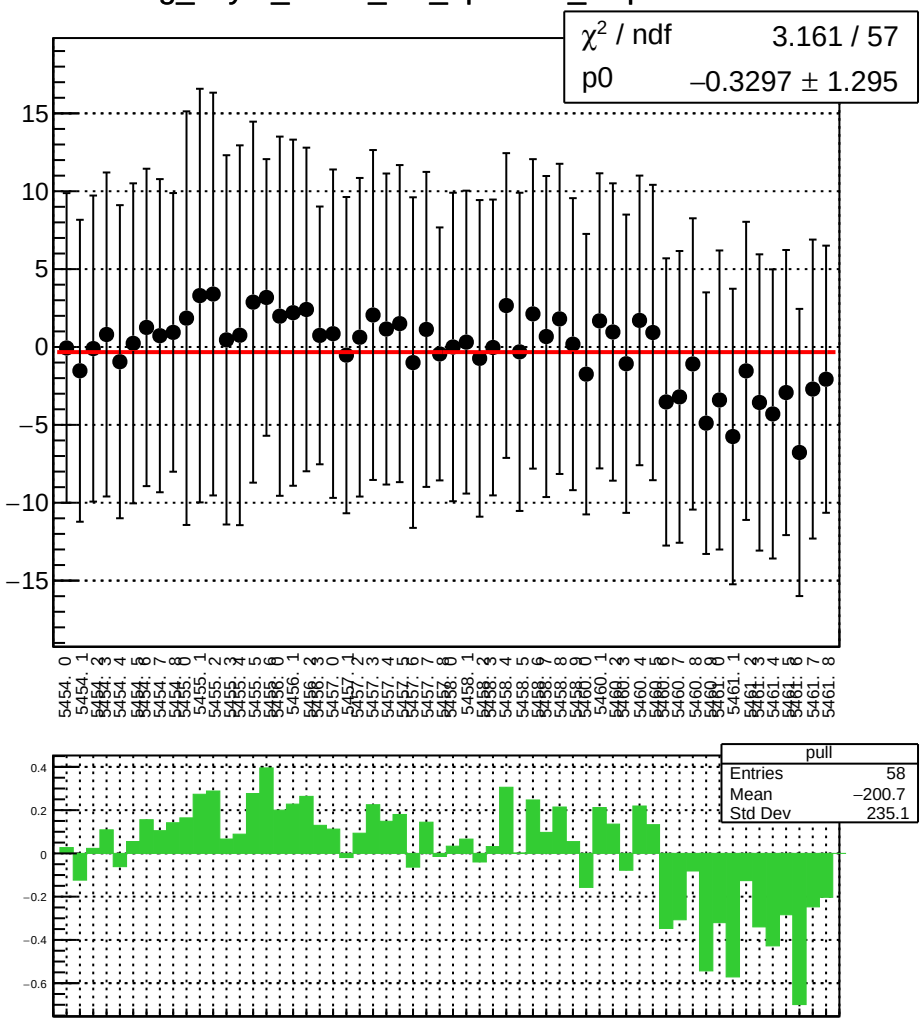

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 5.036 / 57
p0 −17.63 ± 4.851
pull
Entries 58
Mean 203
Std Dev 169.3
pull1D
Entries 58
Mean 0.01031
Std Dev 0.2945

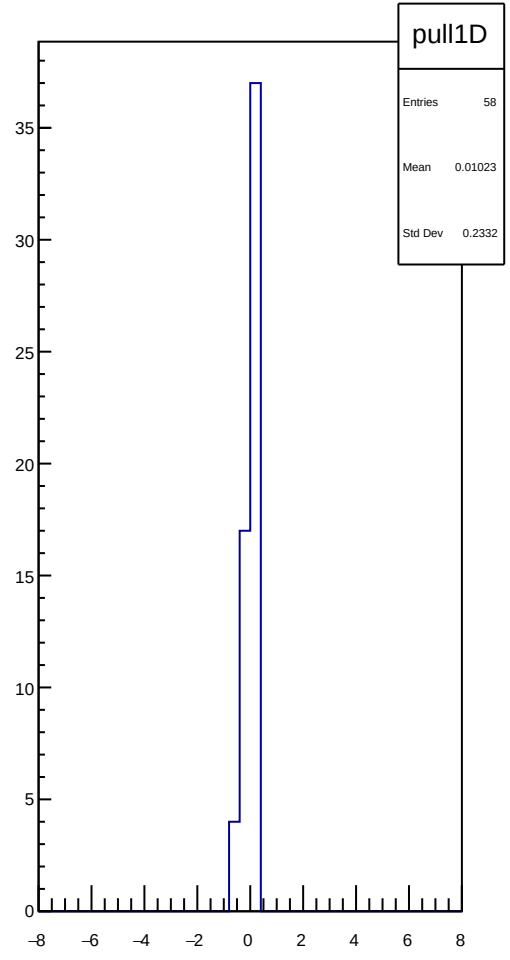

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 105.5 / 57
p0 37.53 ± 4.247
150
100
50
0
−50
pull
Entries 58
Mean 51.61
Std Dev 15.62
6
5
4
3
2
1
0
−1

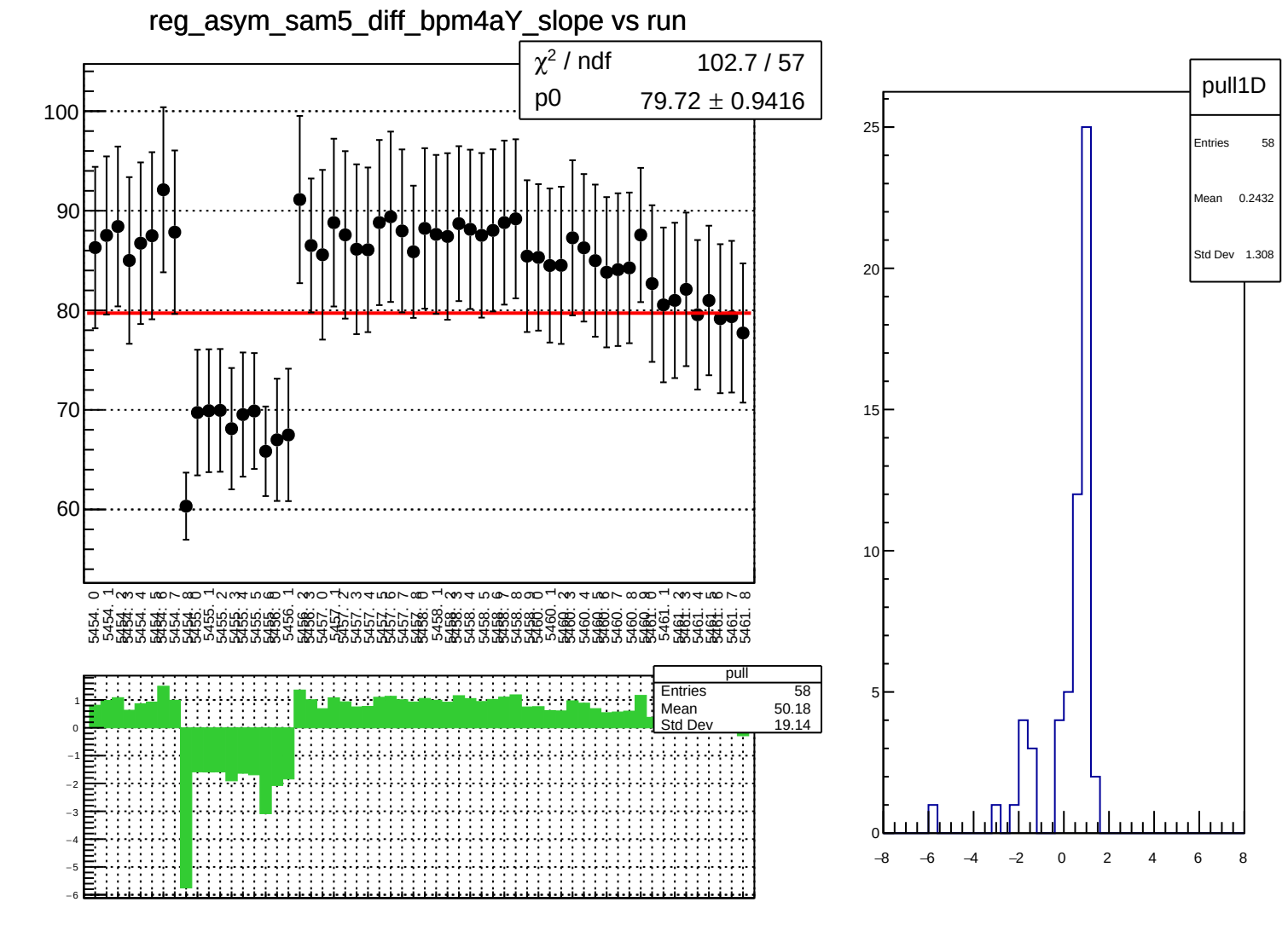

pull1D
Entries 58
Mean −0.3438
Std Dev 1.304
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

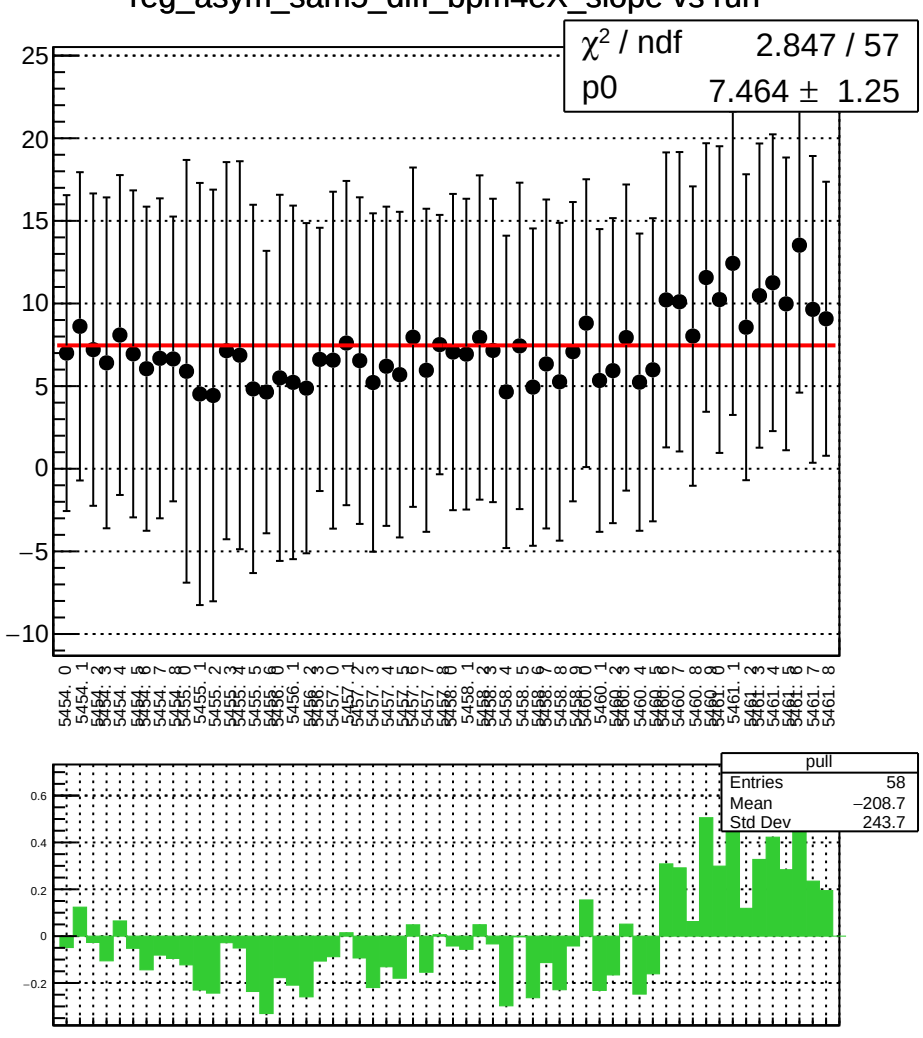

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 2.276 / 57
p0 −1.701 ± 0.1147
pull
Entries 58
Mean 581
Std Dev 548.9

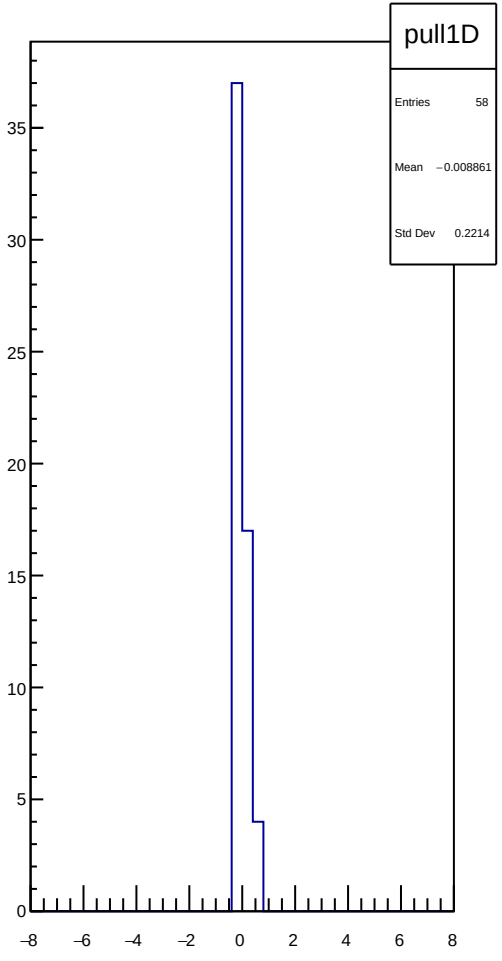

pull1D
Entries 58
Mean −0.002887
Std Dev 0.1981

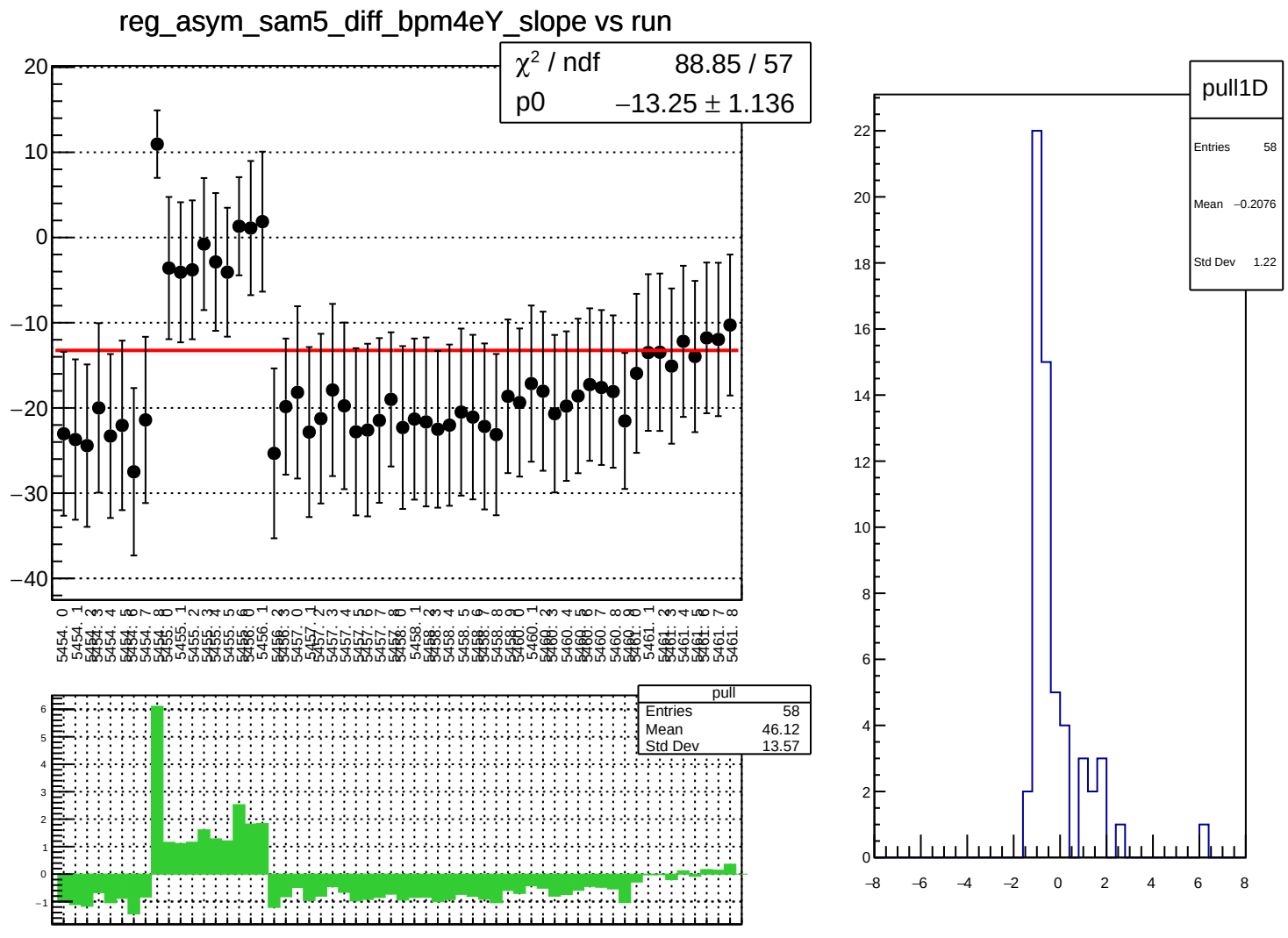

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 3.161 / 57
p0 −0.3297 ± 1.295
pull
Entries 58
Mean −200.7
Std Dev 235.1

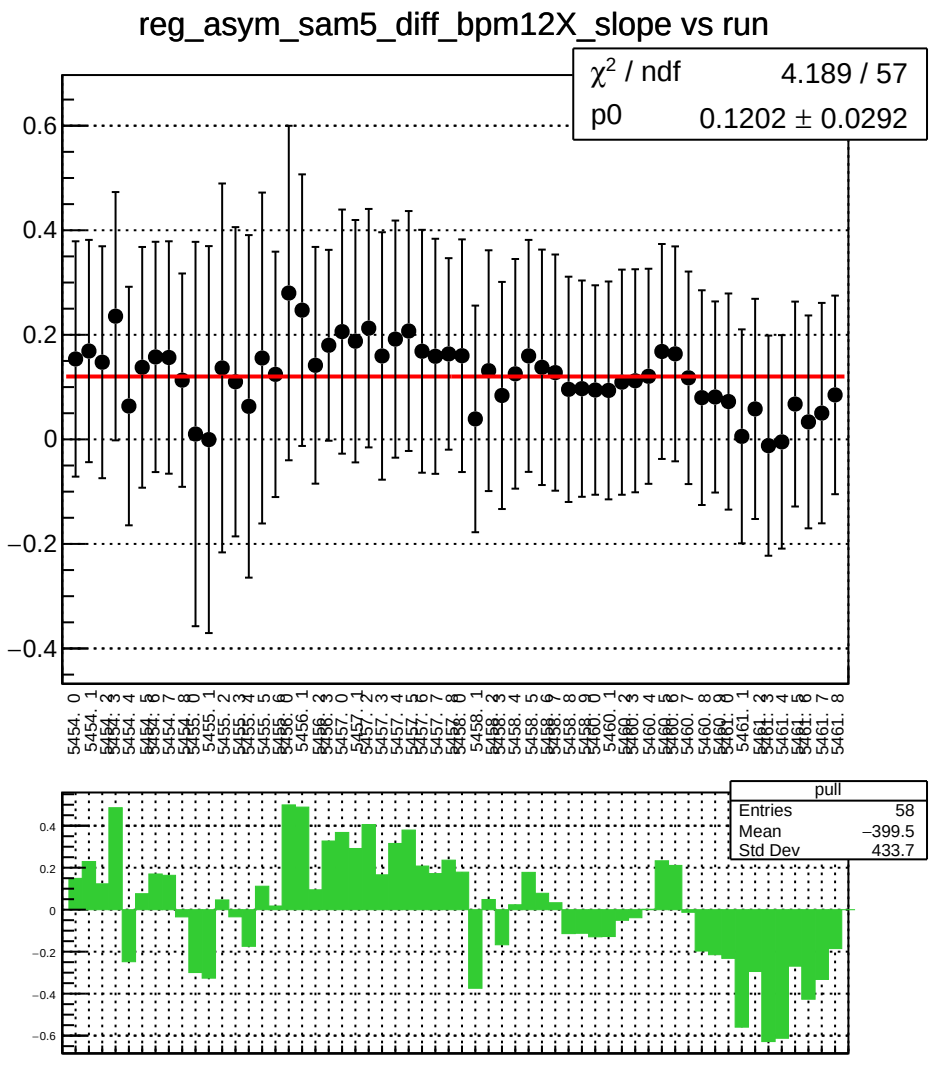

pull1D
Entries 58
Mean 0.01023
Std Dev 0.2332

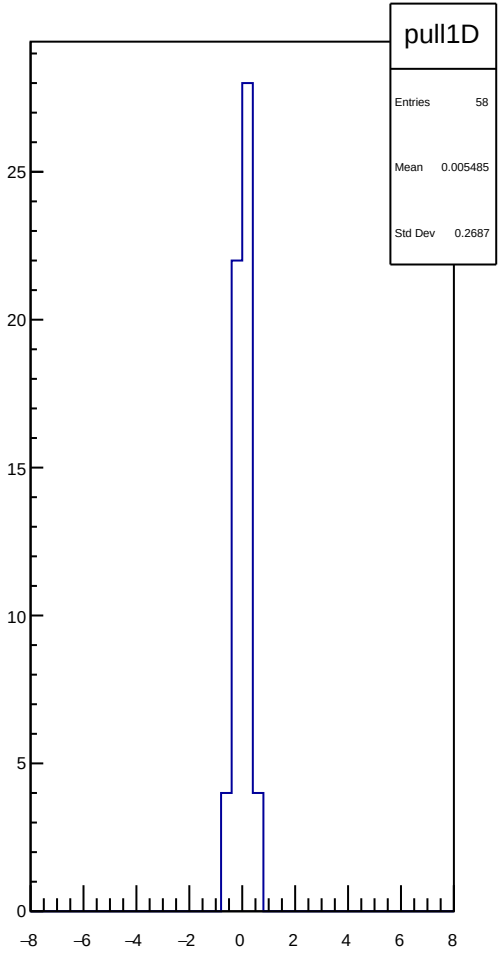

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 102.7 / 57
p0 79.72 ± 0.9416
pull
Entries 58
Mean 50.18
Std Dev 19.14
pull1D
Entries 58
Mean 0.2432
Std Dev 1.308

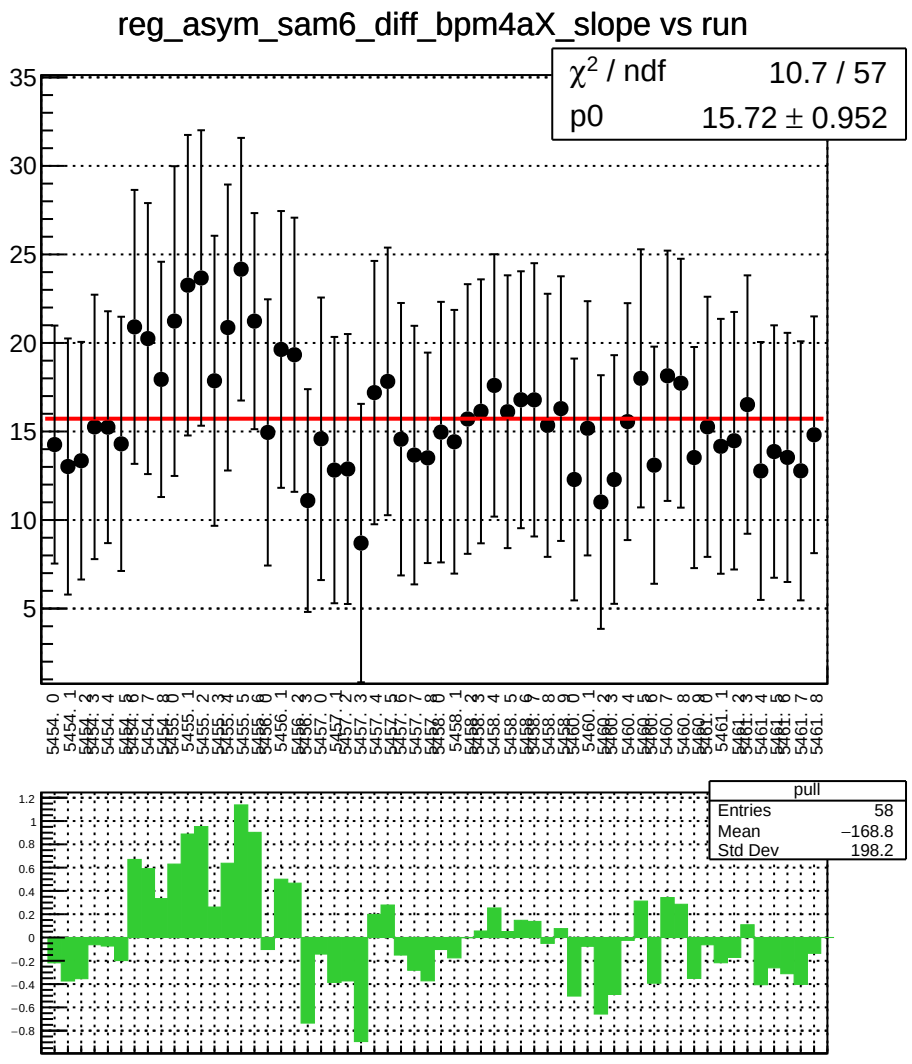

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.847 / 57
p0 7.464 ± 1.25
pull
Entries 58
Mean −208.7
Std Dev 243.7

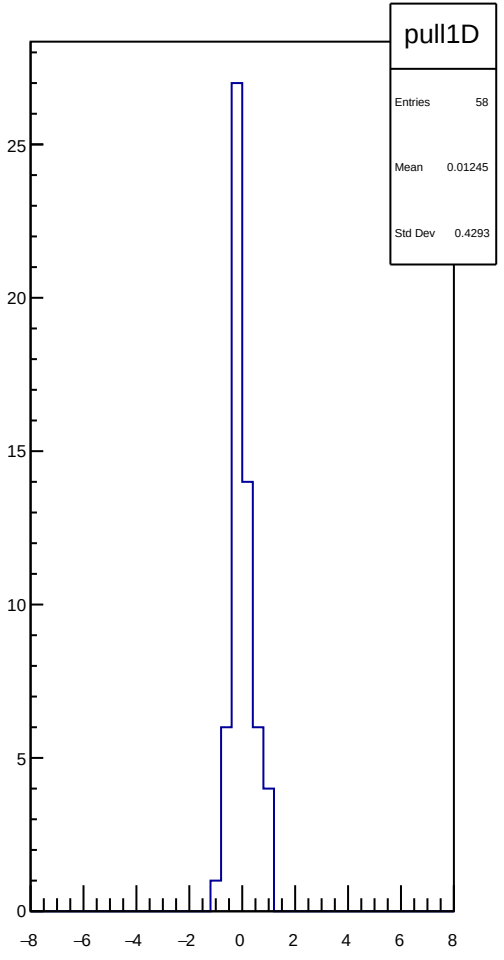

pull1D
Entries 58
Mean −0.008861
Std Dev 0.2214

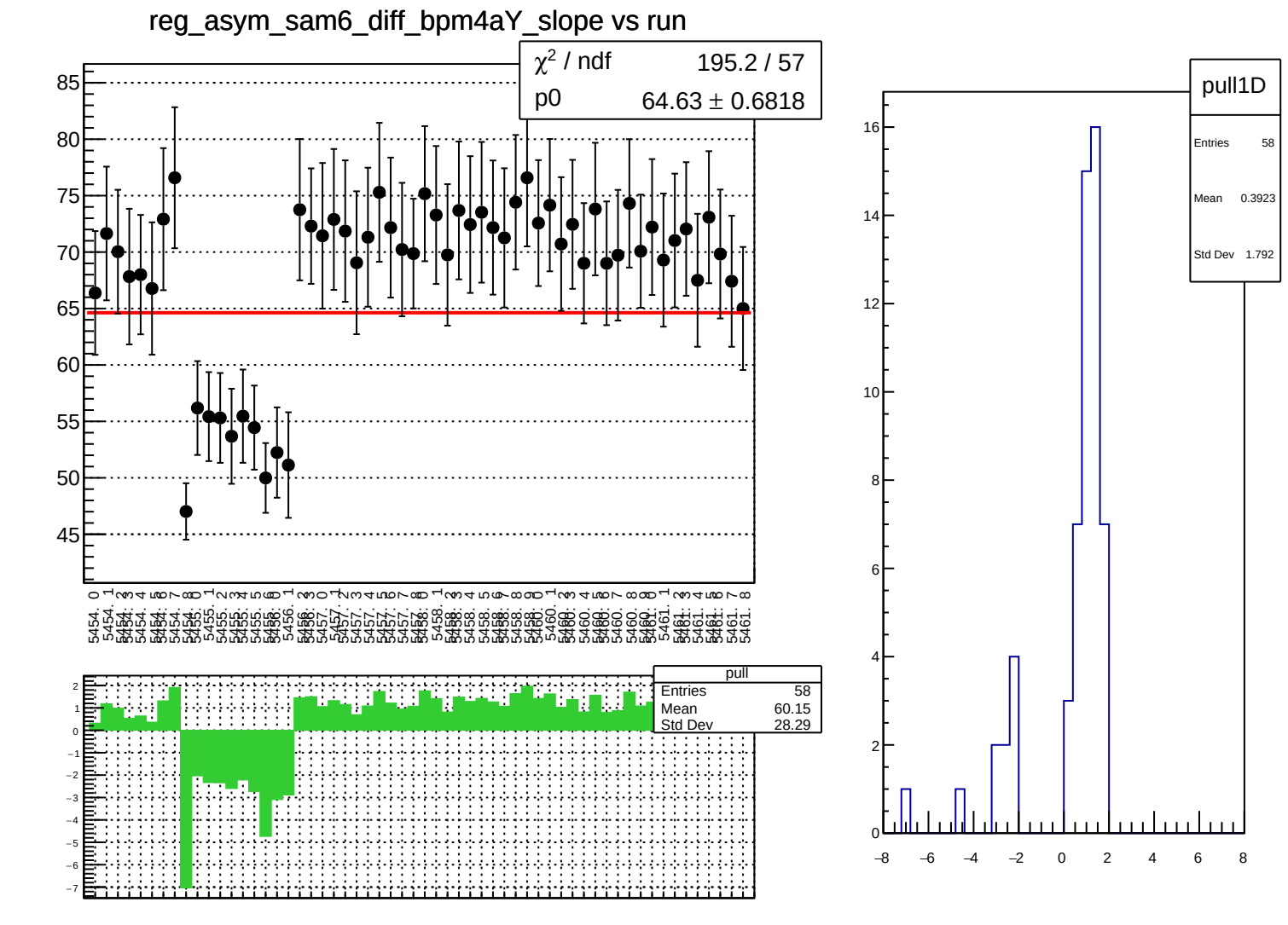

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 88.85 / 57
p0 −13.25 ± 1.136
pull
Entries 58
Mean 46.12
Std Dev 13.57
pull1D
Entries 58
Mean −0.2076
Std Dev 1.22

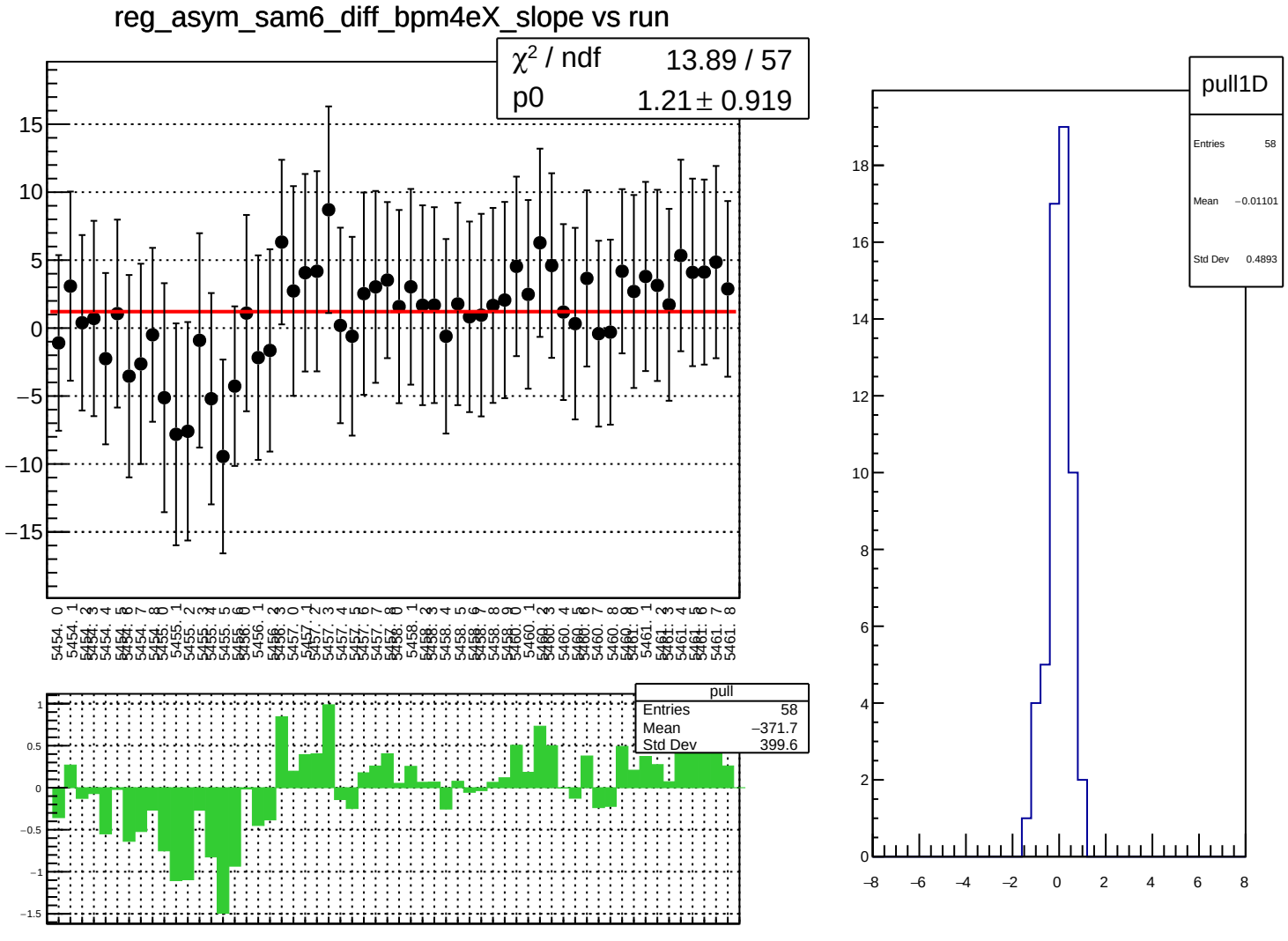

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 4.189 / 57
p0 0.1202 ± 0.0292
pull
Entries 58
Mean −399.5
Std Dev 433.7

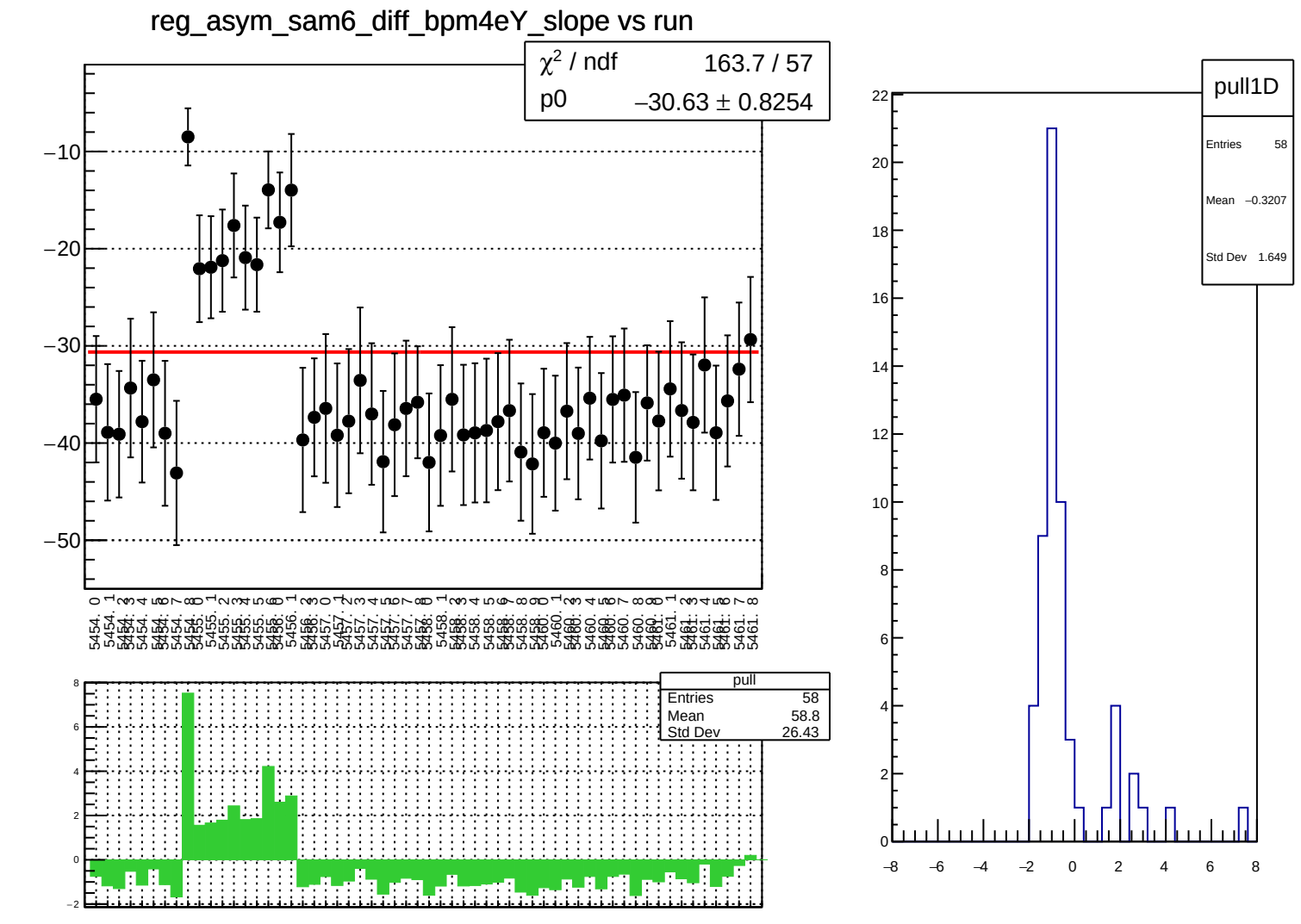

pull1D
Entries 58
Mean 0.005485
Std Dev 0.2687

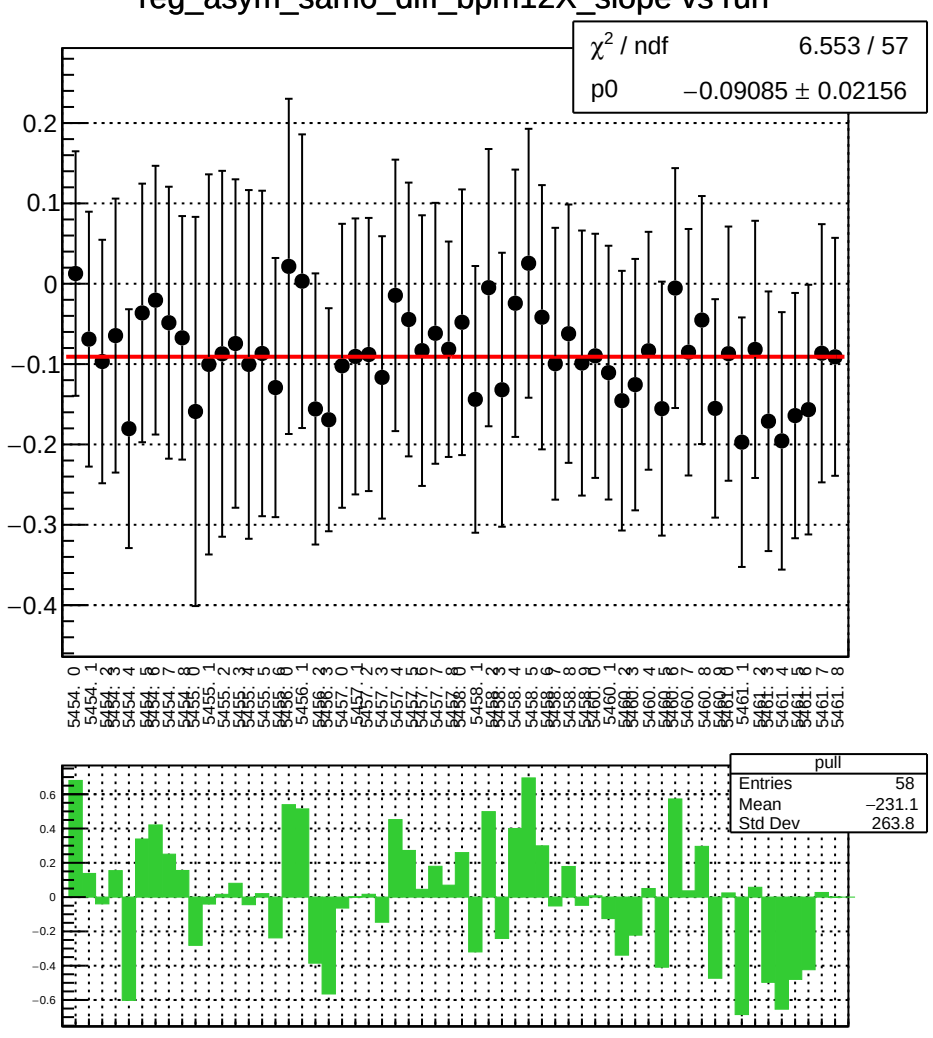

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 10.7 / 57
p0 15.72 ± 0.952
pull
Entries 58
Mean −168.8
Std Dev 198.2

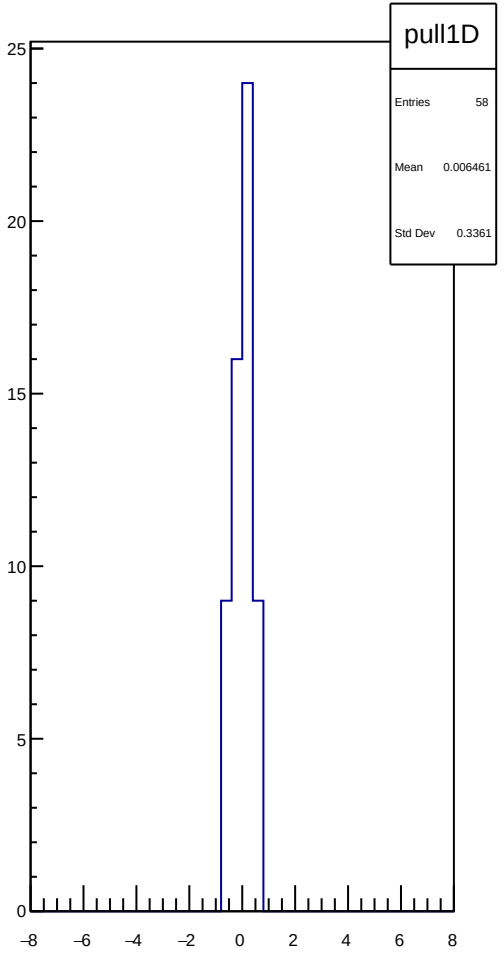

pull1D
Entries 58
Mean 0.01245
Std Dev 0.4293

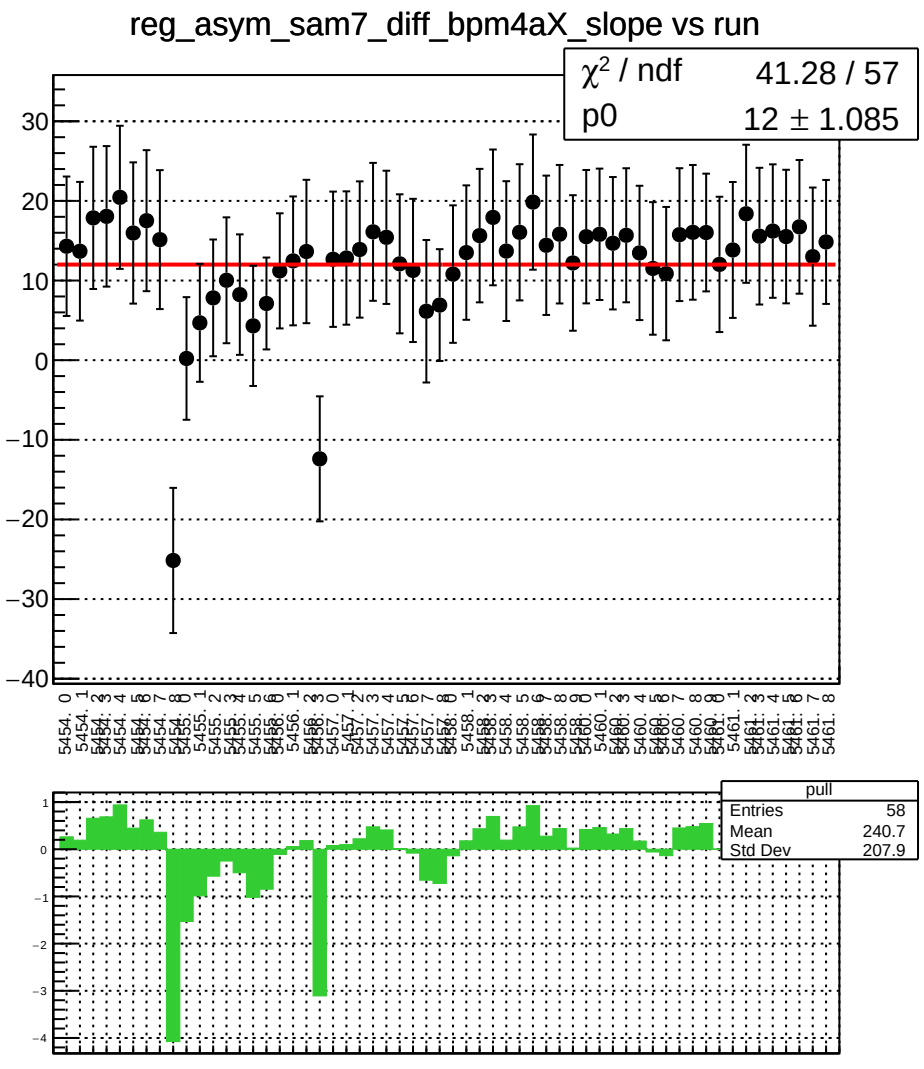

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 195.2 / 57
p0 64.63 ± 0.6818
pull
Entries 58
Mean 60.15
Std Dev 28.29
pull1D
Entries 58
Mean 0.3923
Std Dev 1.792

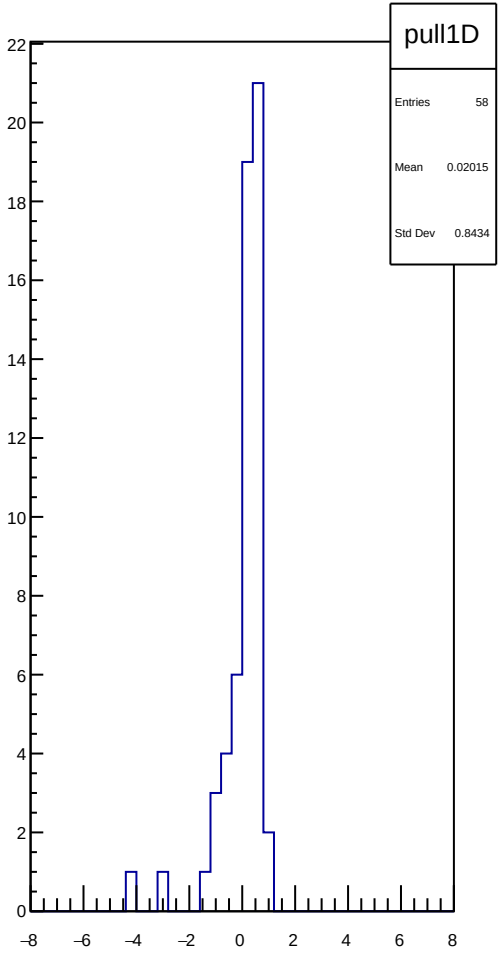

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 13.89 / 57
p0 1.21 ± 0.919
pull
Entries 58
Mean −371.7
Std Dev 399.6
pull1D
Entries 58
Mean −0.01101
Std Dev 0.4893

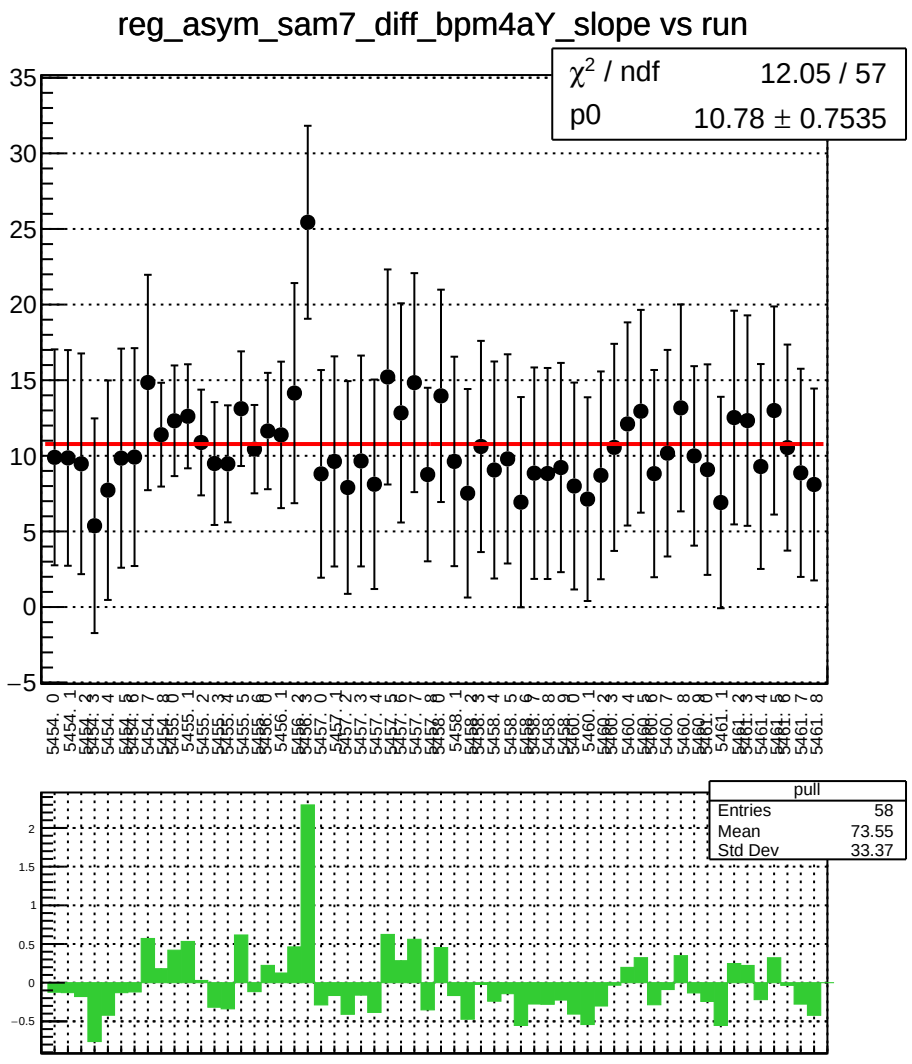

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 163.7 / 57
p0 −30.63 ± 0.8254
pull
Entries 58
Mean 58.8
Std Dev 26.43
pull1D
Entries 58
Mean −0.3207
Std Dev 1.649

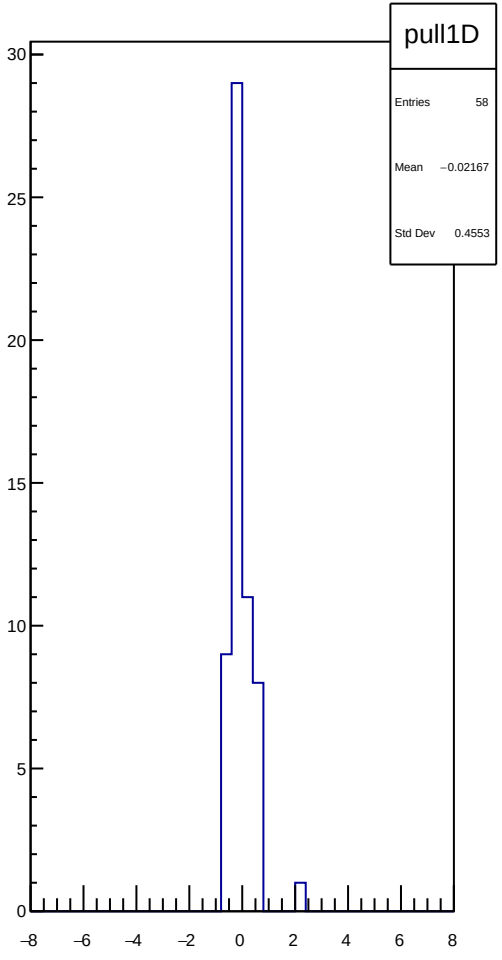

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 6.553 / 57
p0 −0.09085 ± 0.02156
pull
Entries 58
Mean −231.1
Std Dev 263.8

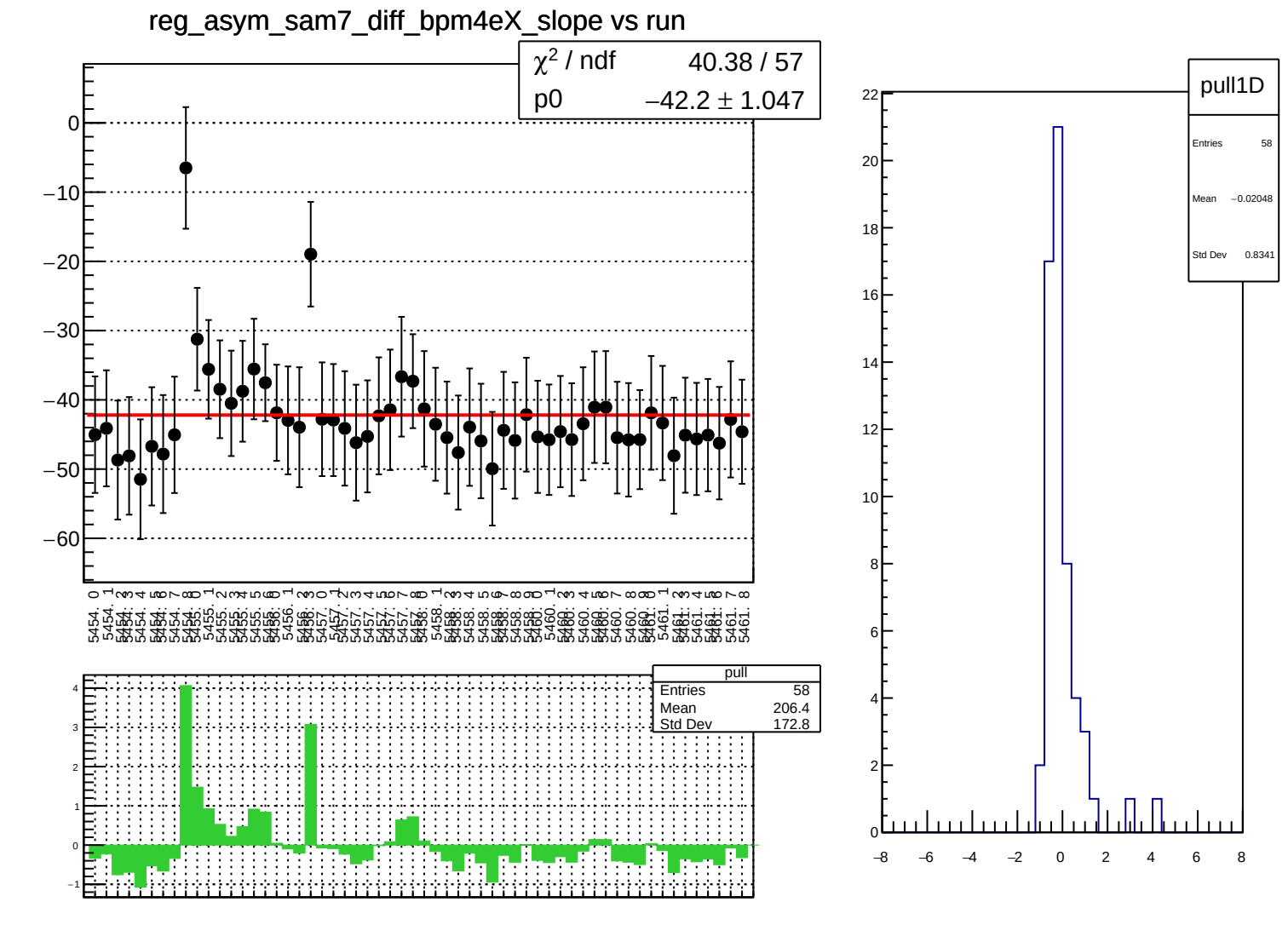

pull1D
Entries 58
Mean 0.006461
Std Dev 0.3361

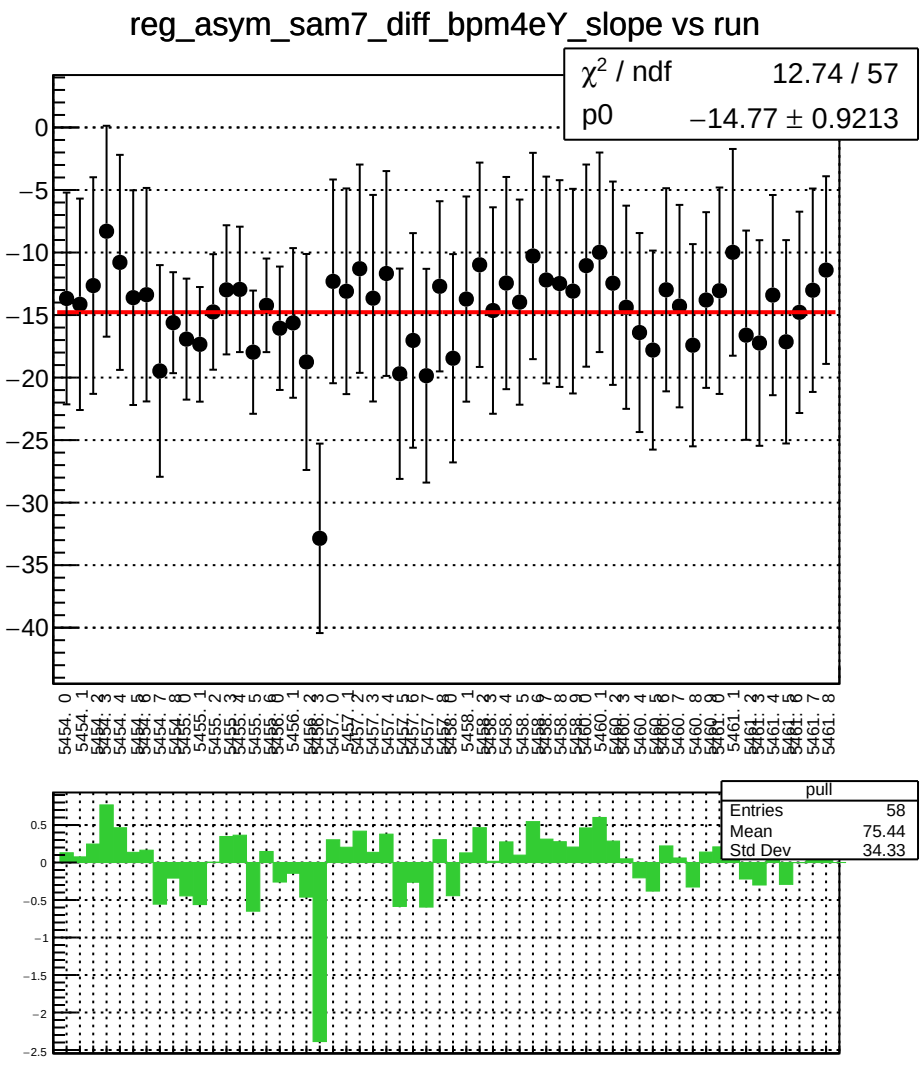

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 41.28 / 57
p0 12 ± 1.085
pull
Entries 58
Mean 240.7
Std Dev 207.9

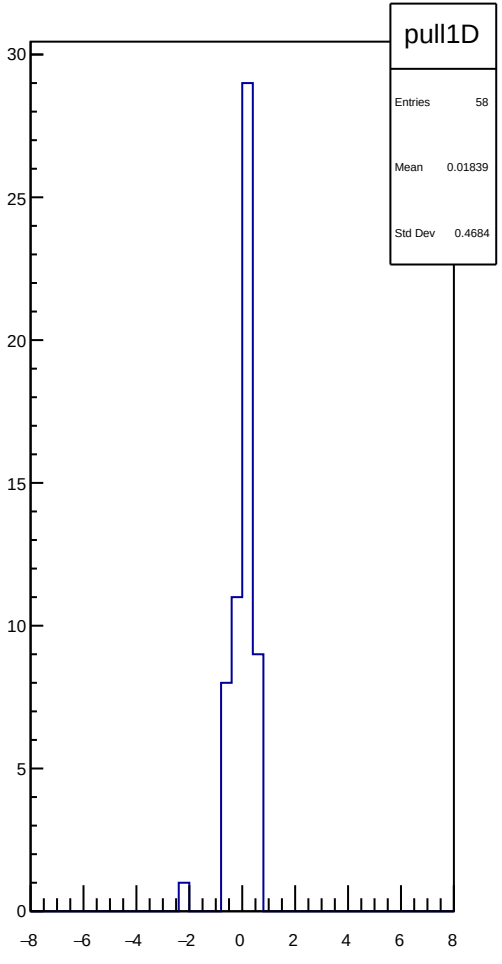

pull1D
Entries 58
Mean 0.02015
Std Dev 0.8434

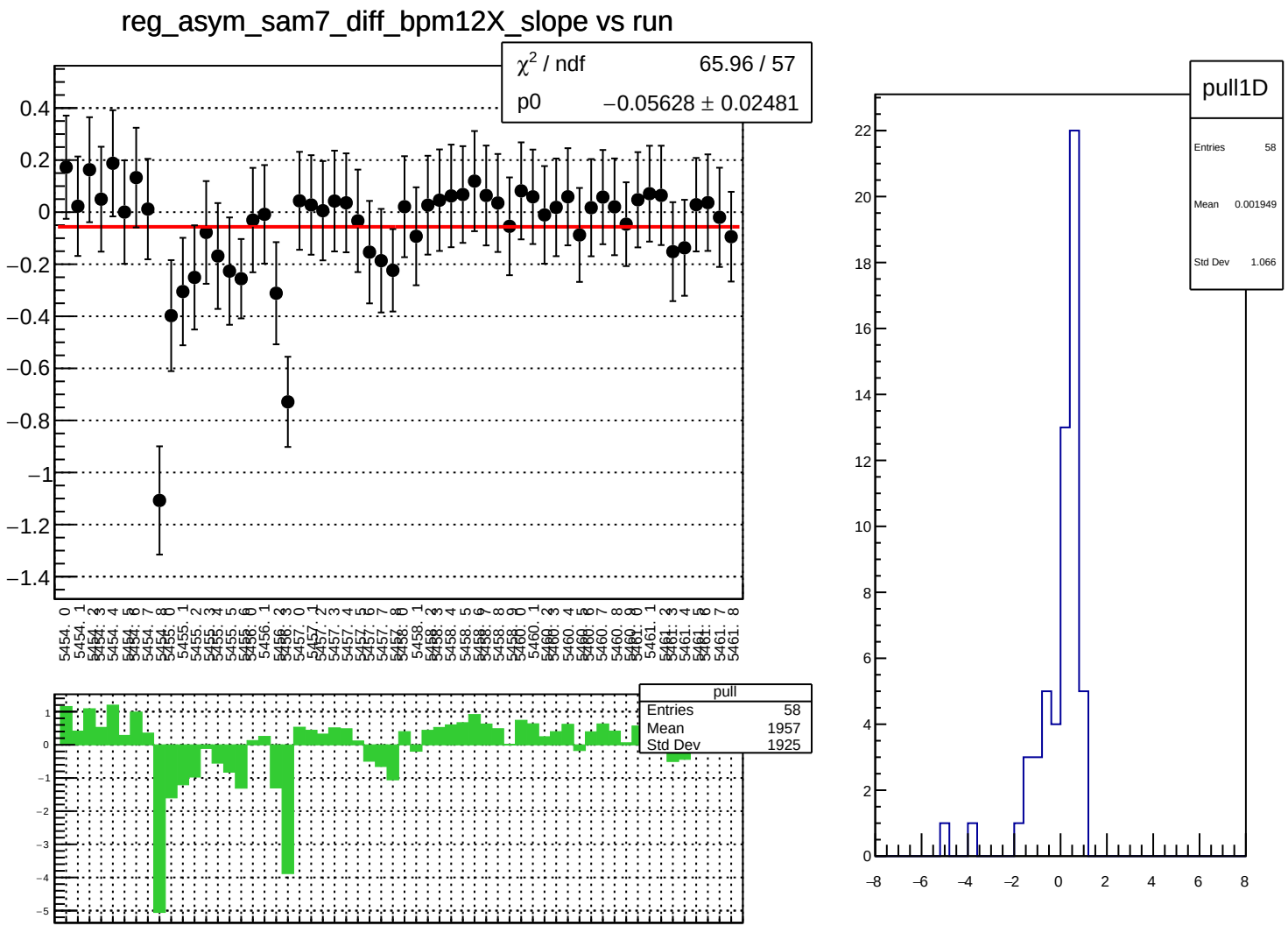

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 12.05 / 57
p0 10.78 ± 0.7535
pull
Entries 58
Mean 73.55
Std Dev 33.37

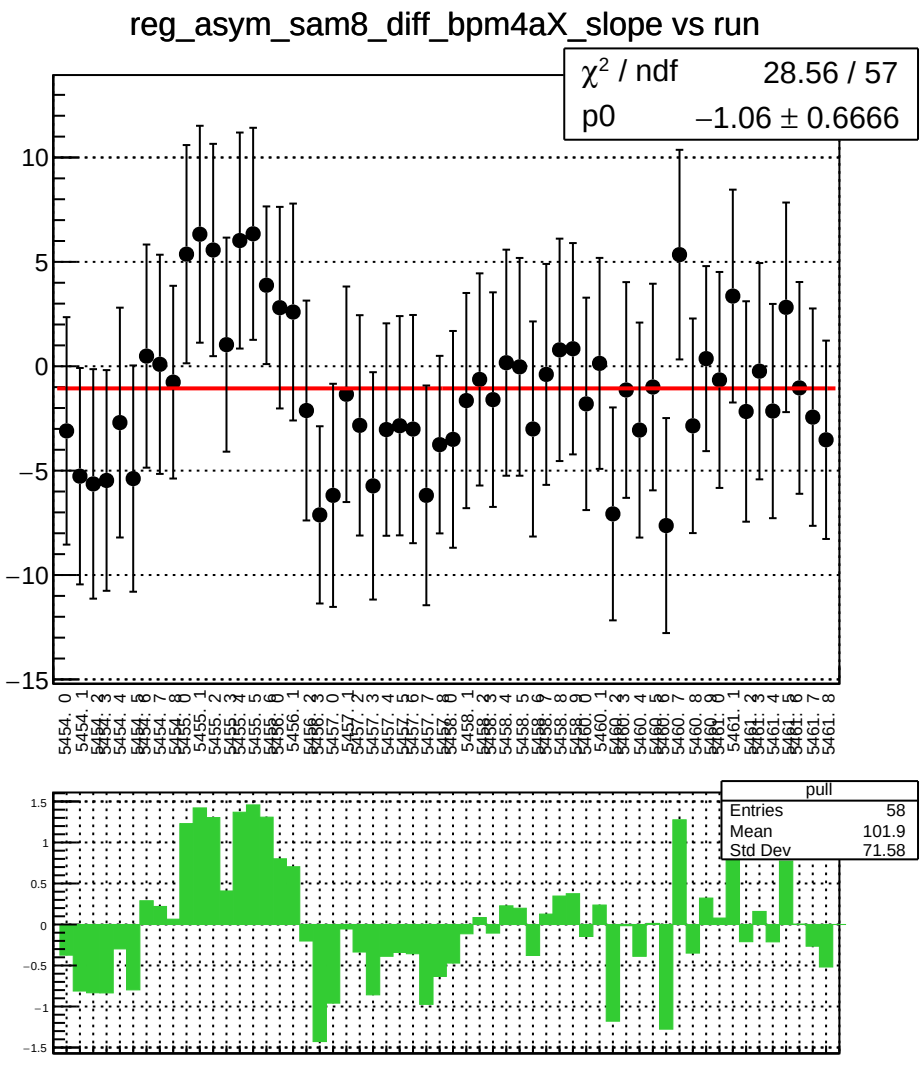

pull1D
Entries 58
Mean −0.02167
Std Dev 0.4553

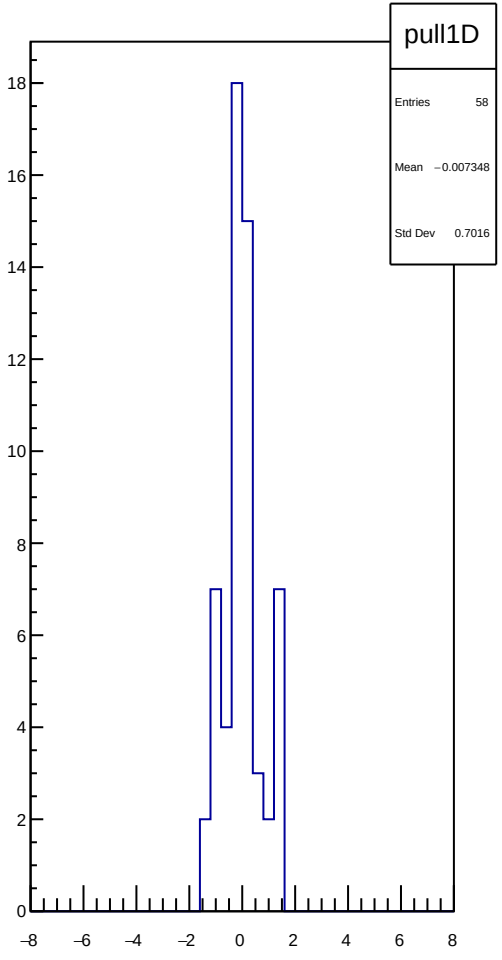

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 40.38 / 57
p0 −42.2 ± 1.047
pull
Entries 58
Mean 206.4
Std Dev 172.8
pull1D
Entries 58
Mean −0.02048
Std Dev 0.8341

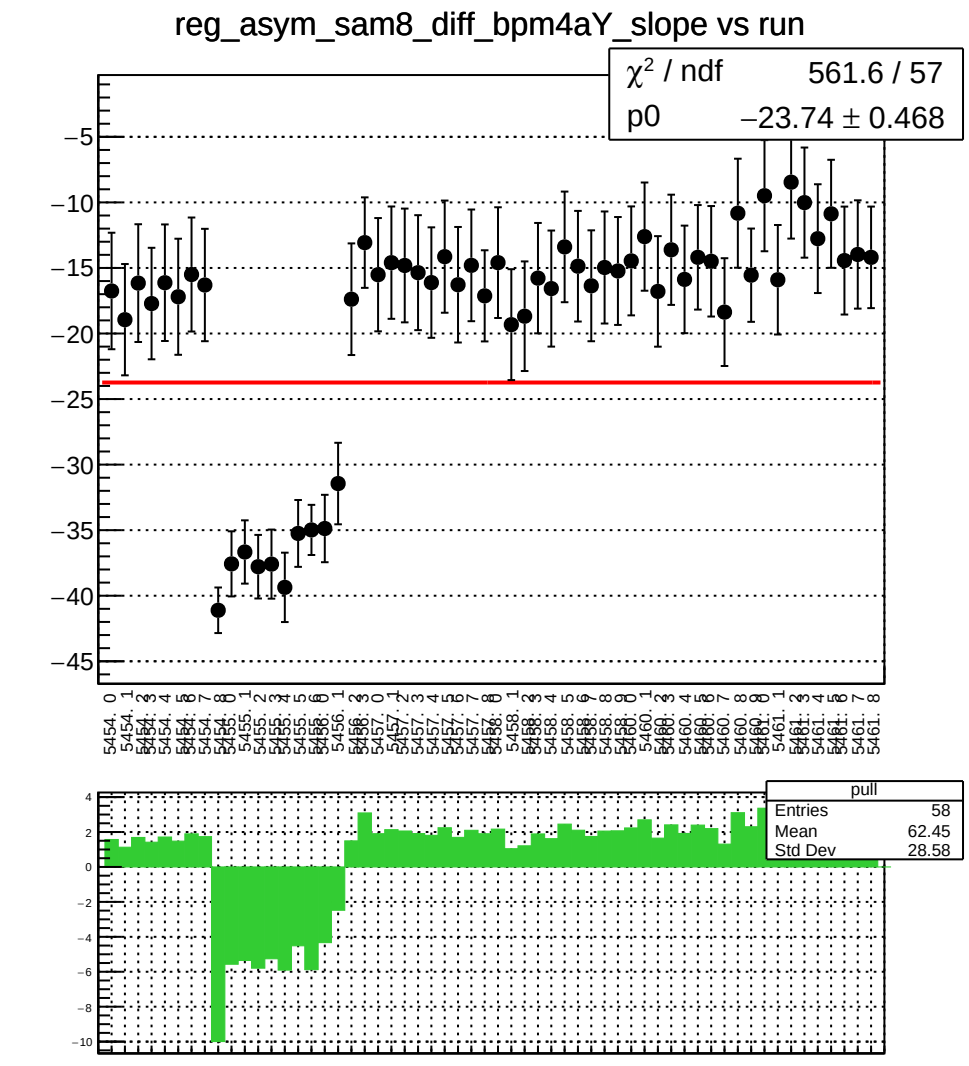

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 12.74 / 57
p0 −14.77 ± 0.9213
pull
Entries 58
Mean 75.44
Std Dev 34.33

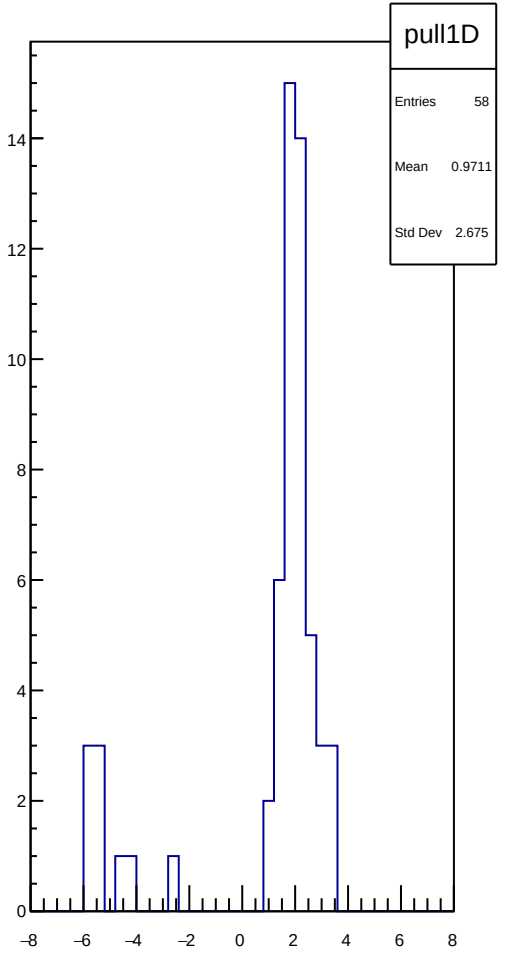

pull1D
Entries 58
Mean 0.01839
Std Dev 0.4684

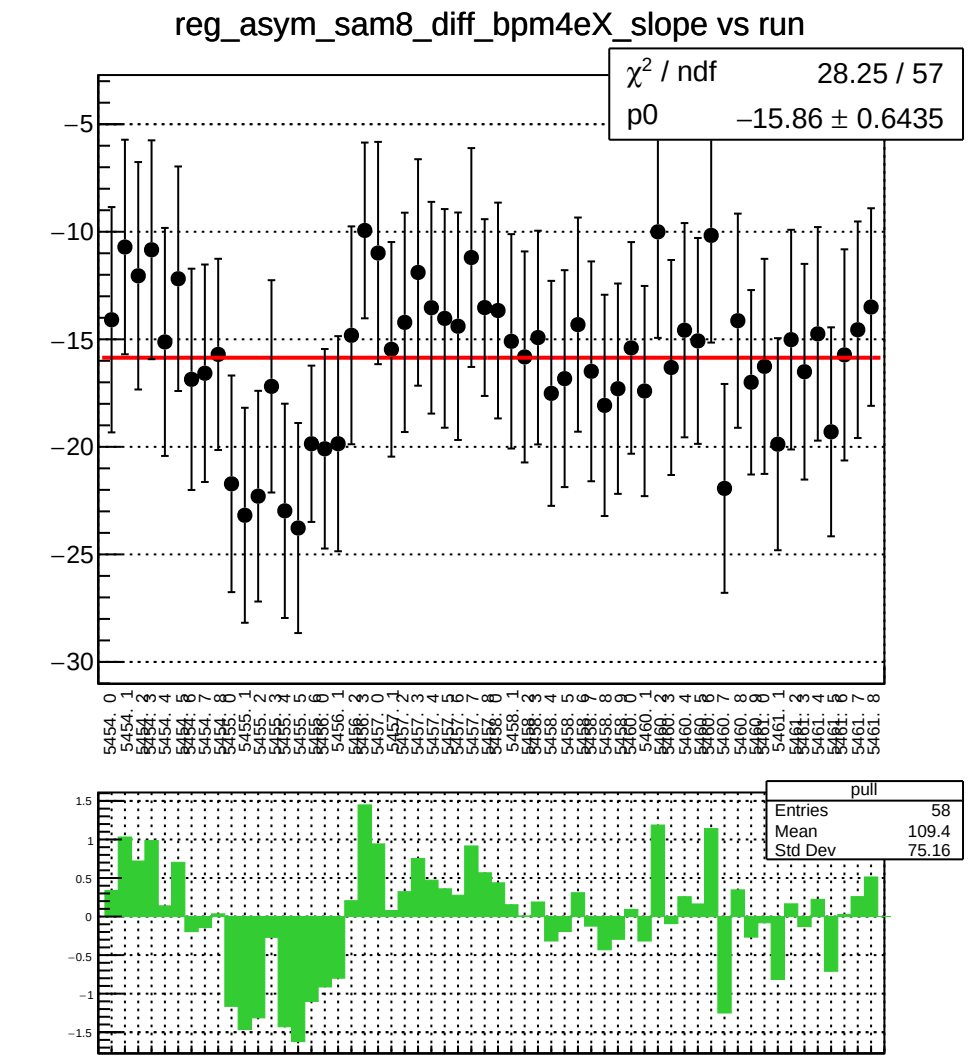

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 65.96 / 57
p0 −0.05628 ± 0.02481
pull
Entries 58
Mean 1957
Std Dev 1925
pull1D
Entries 58
Mean 0.001949
Std Dev 1.066

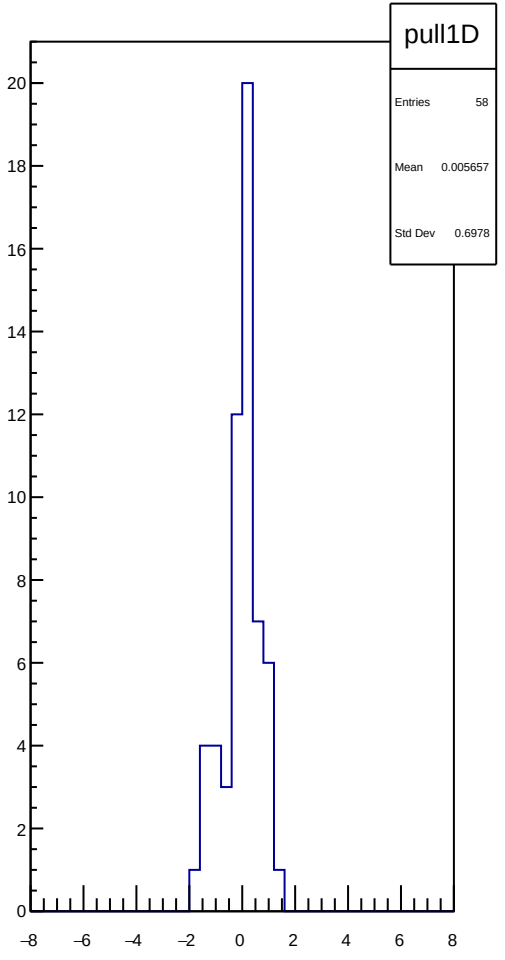

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 28.56 / 57
p0 −1.06 ± 0.6666
pull
Entries 58
Mean 101.9
Std Dev 71.58

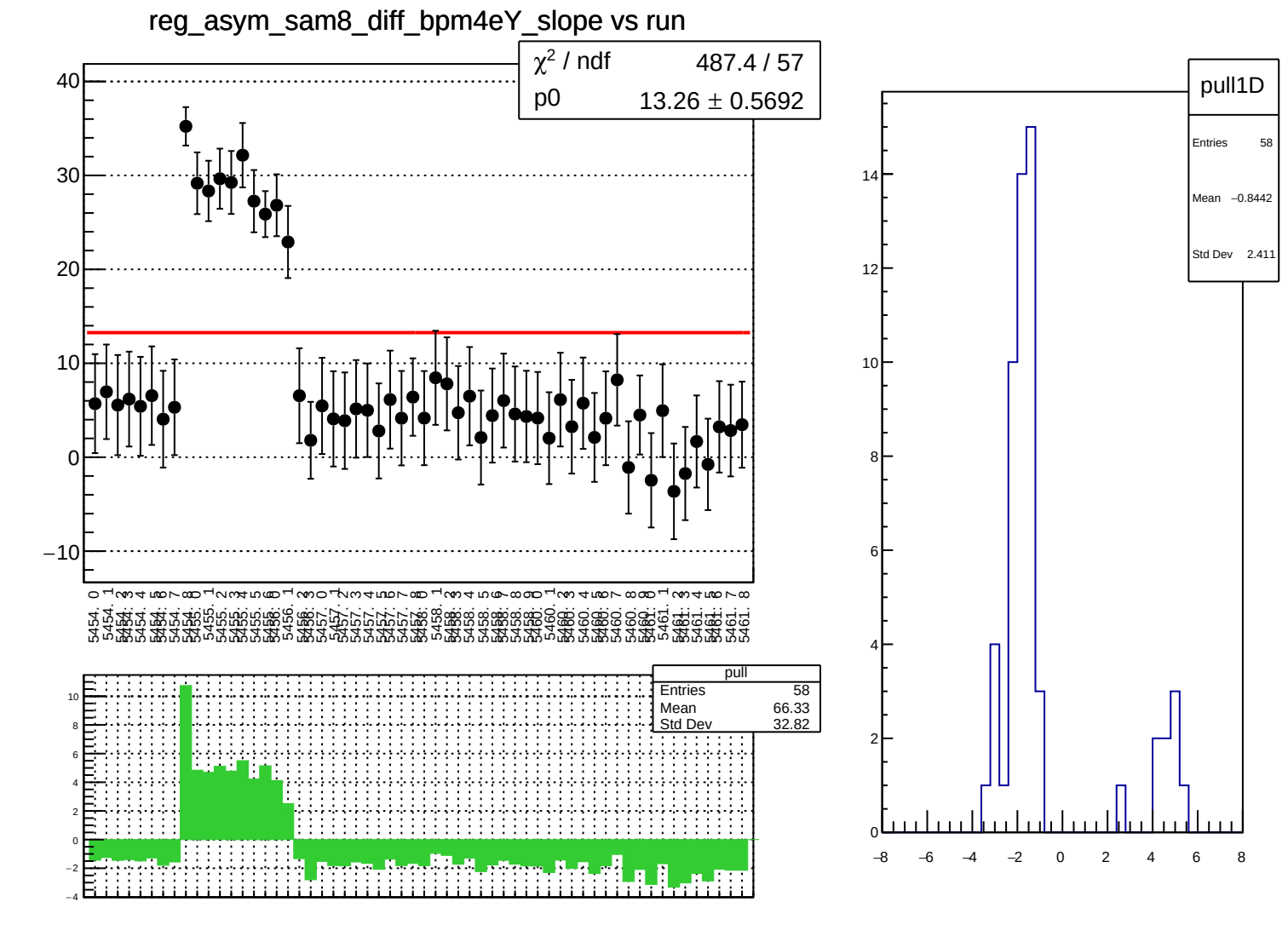

pull1D
Entries 58
Mean −0.007348
Std Dev 0.7016

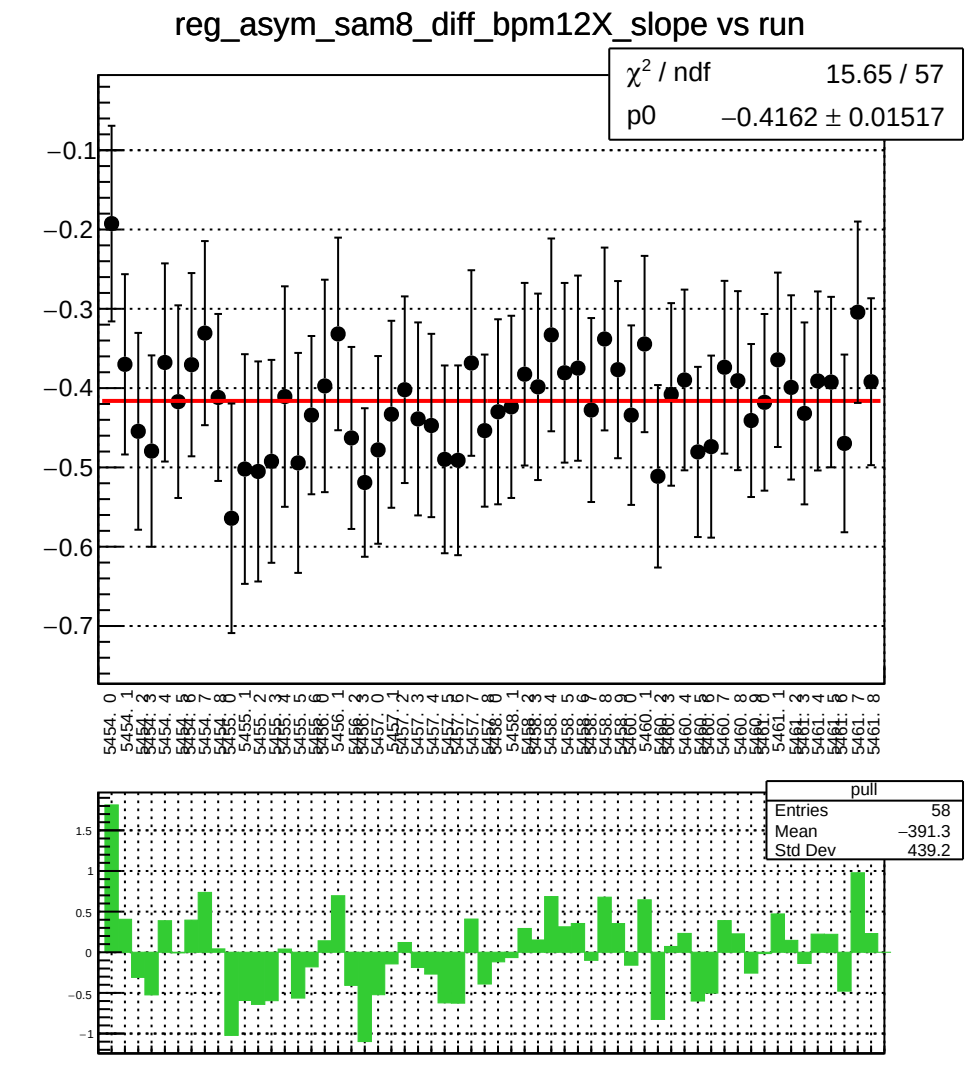

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 561.6 / 57
p0 −23.74 ± 0.468
pull
Entries 58
Mean 62.45
Std Dev 28.58

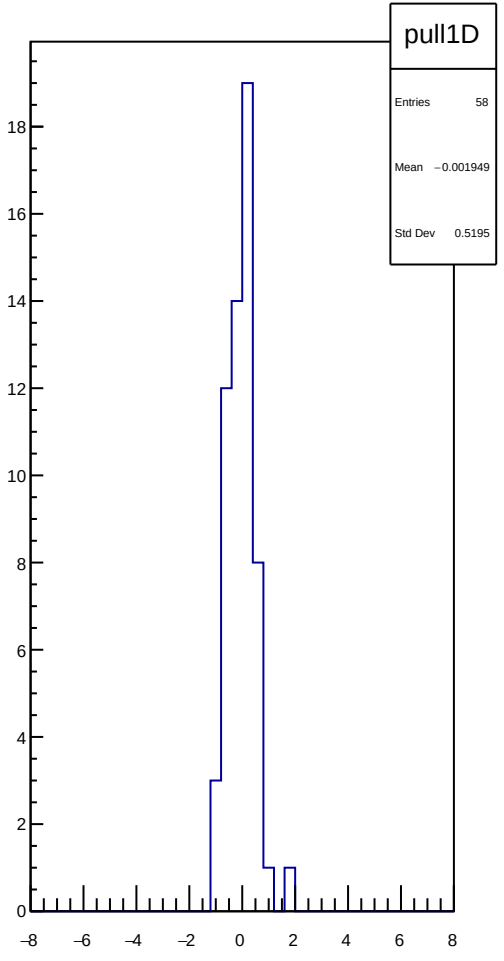

pull1D
Entries 58
Mean 0.9711
Std Dev 2.675

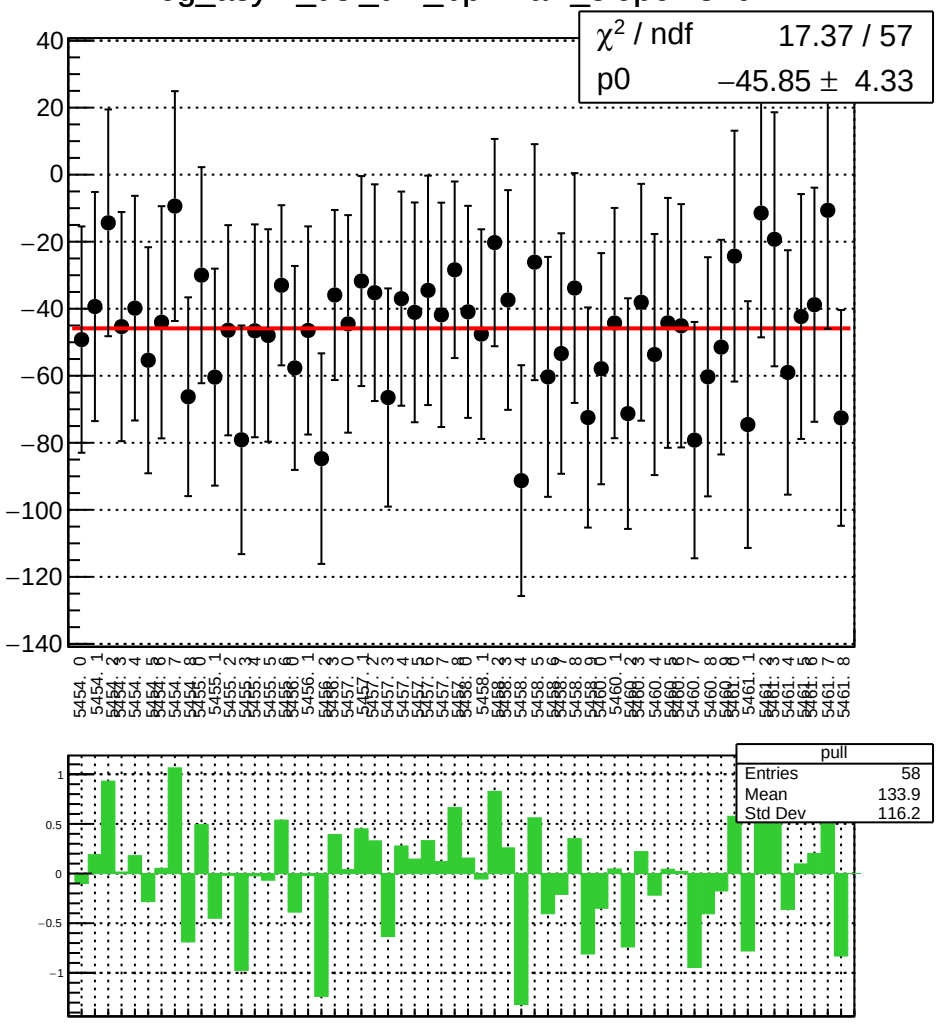

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 28.25 / 57
p0 −15.86 ± 0.6435
pull
Entries 58
Mean 109.4
Std Dev 75.16

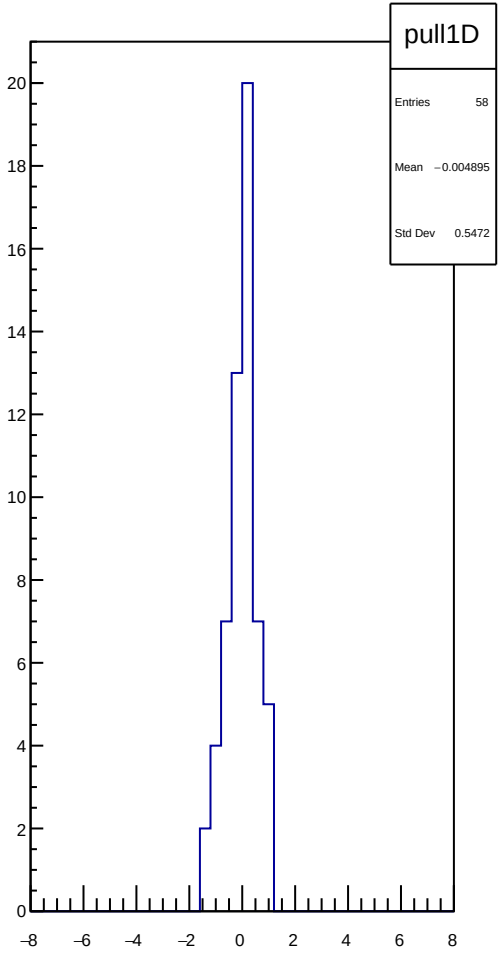

pull1D
Entries 58
Mean 0.005657
Std Dev 0.6978

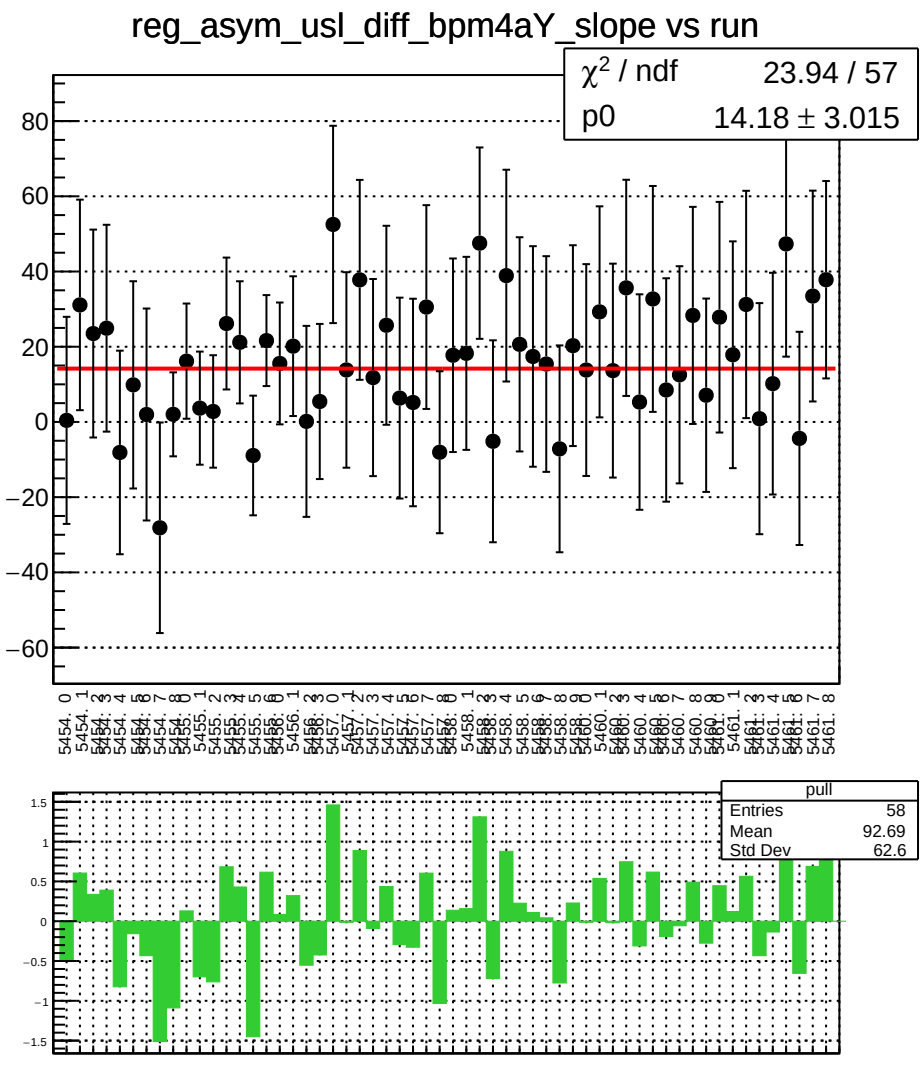

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 487.4 / 57
p0 13.26 ± 0.5692
pull
Entries 58
Mean 66.33
Std Dev 32.82
pull1D
Entries 58
Mean −0.8442
Std Dev 2.411

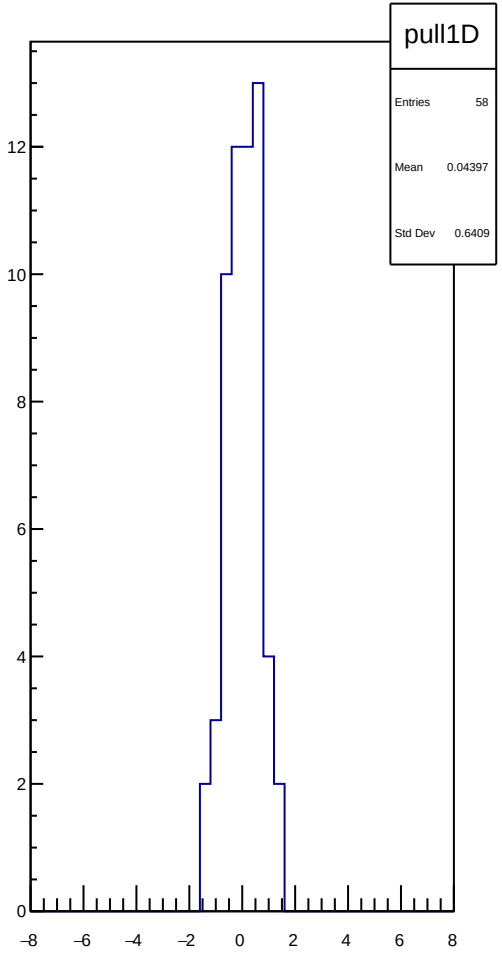

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 15.65 / 57
p0 −0.4162 ± 0.01517
pull
Entries 58
Mean −391.3
Std Dev 439.2

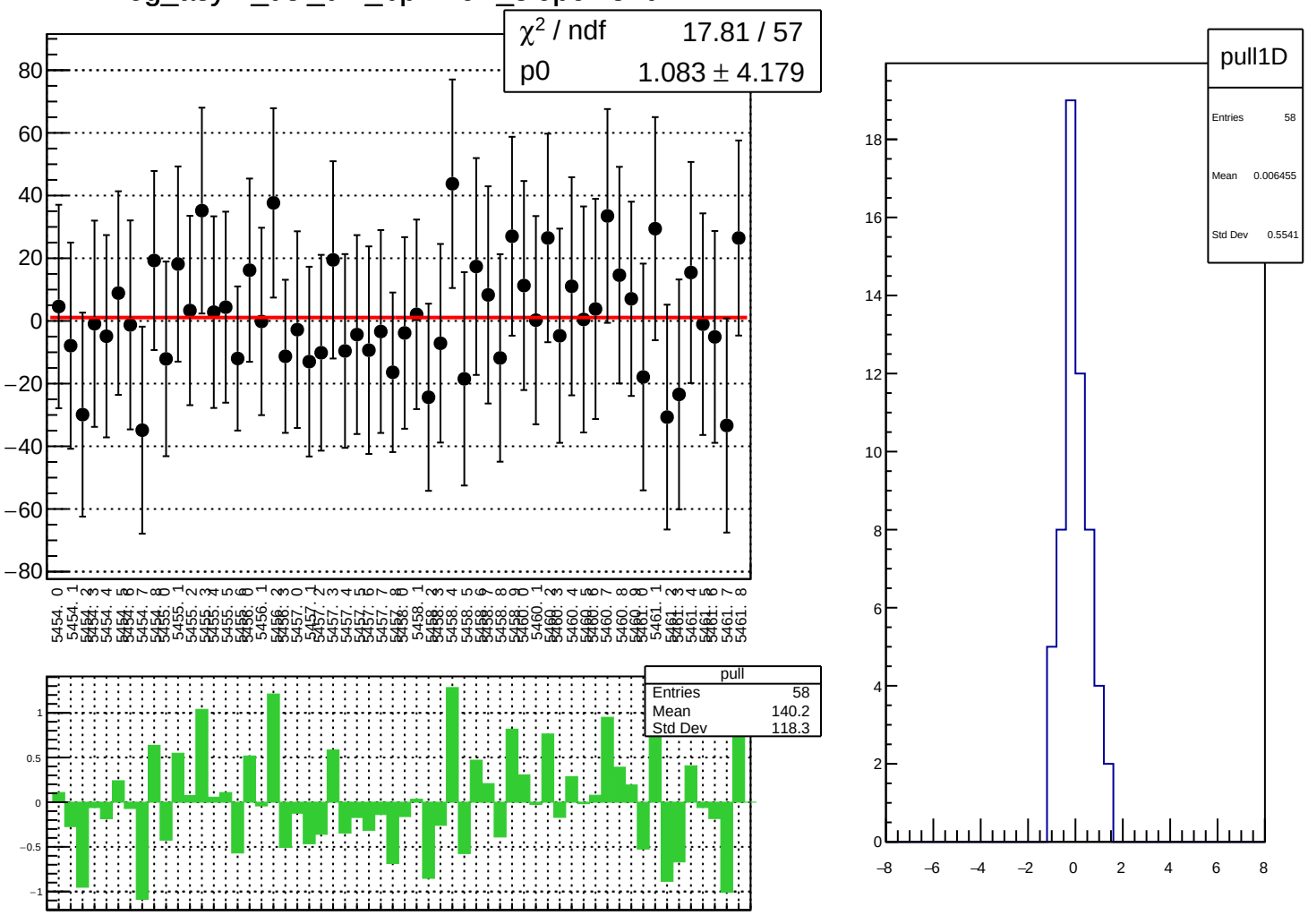

pull1D
Entries 58
Mean −0.001949
Std Dev 0.5195

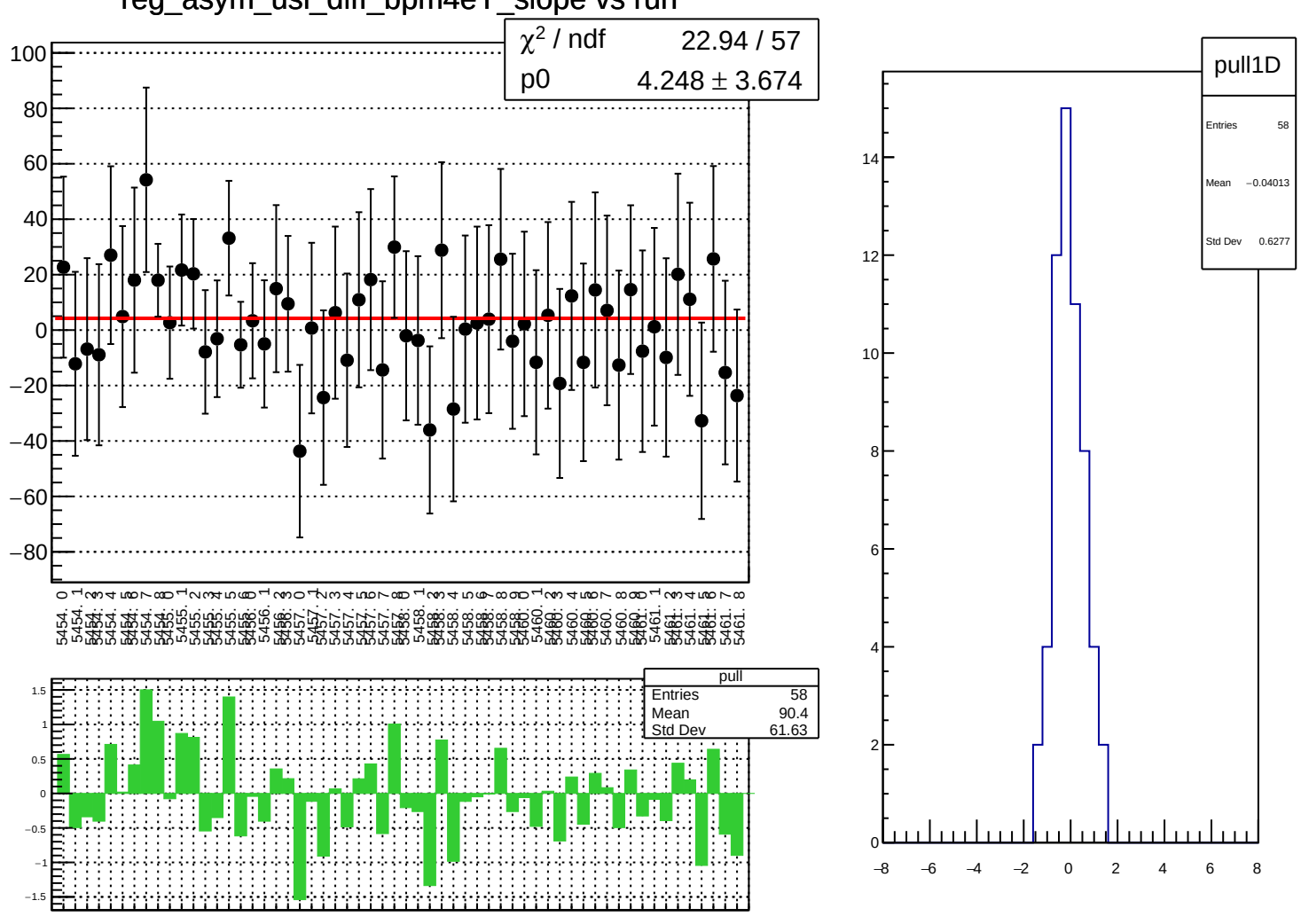

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 17.37 / 57
p0 −45.85 ± 4.33
pull
Entries 58
Mean 133.9
Std Dev 116.2

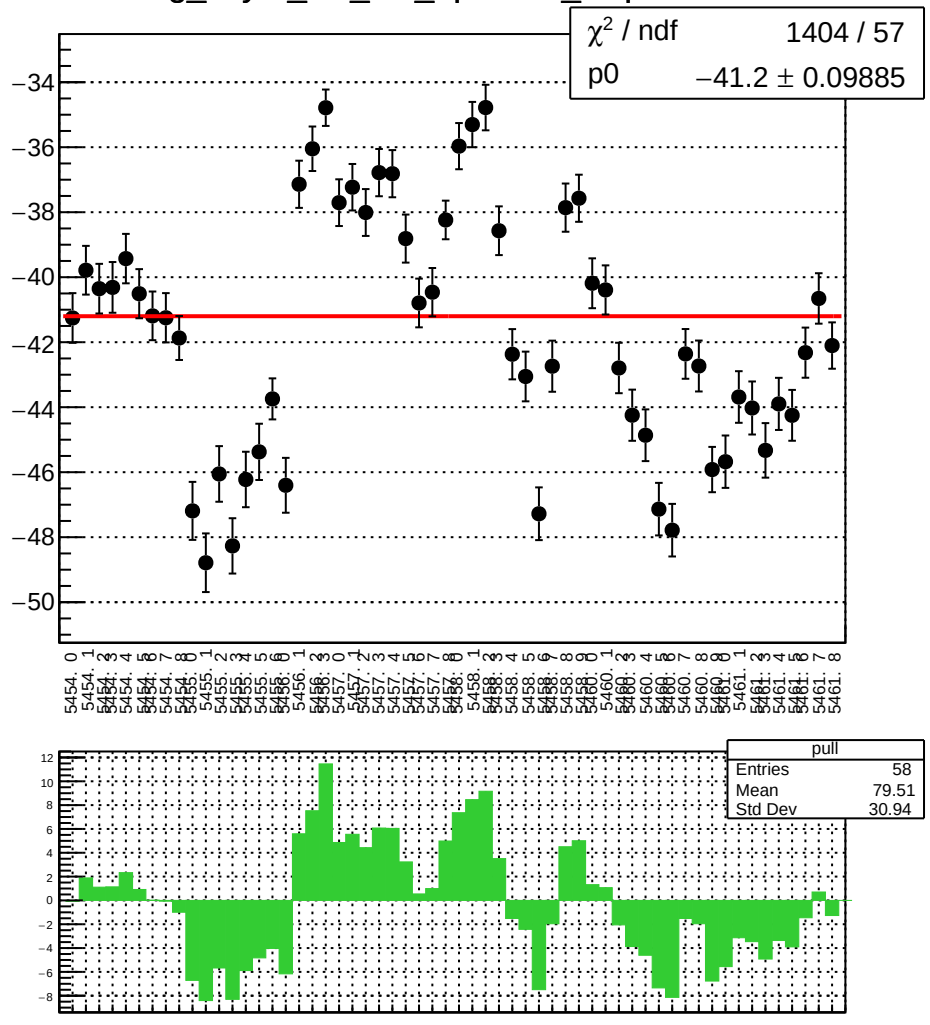

pull1D
Entries 58
Mean −0.004895
Std Dev 0.5472

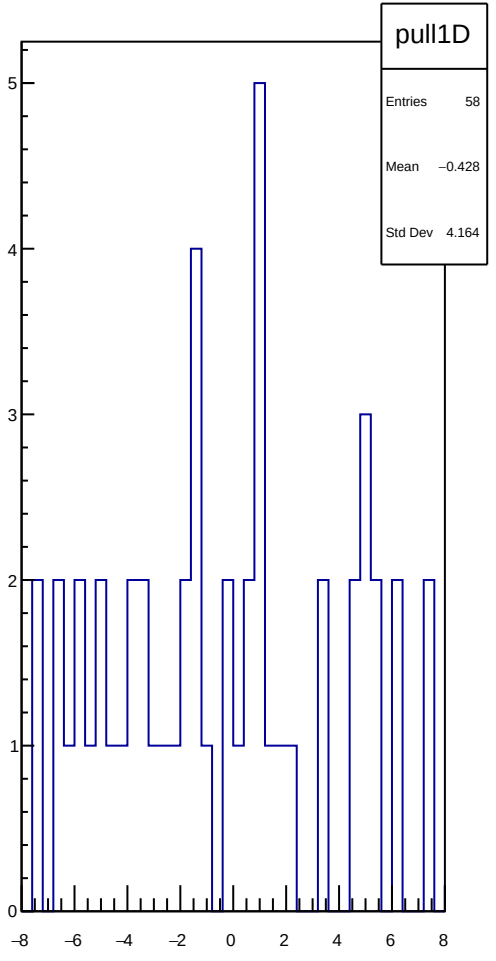

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 23.94 / 57
p0 14.18 ± 3.015
pull
Entries 58
Mean 92.69
Std Dev 62.6

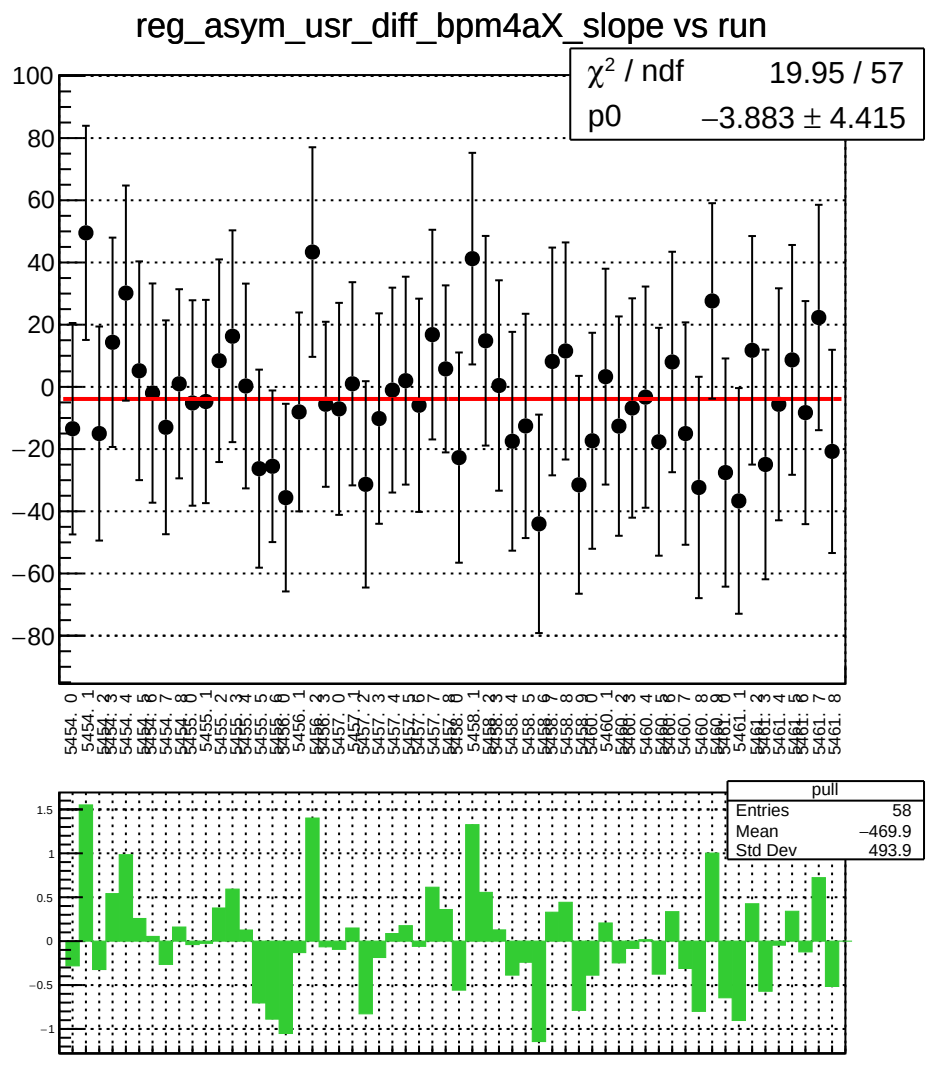

pull1D
Entries 58
Mean 0.04397
Std Dev 0.6409

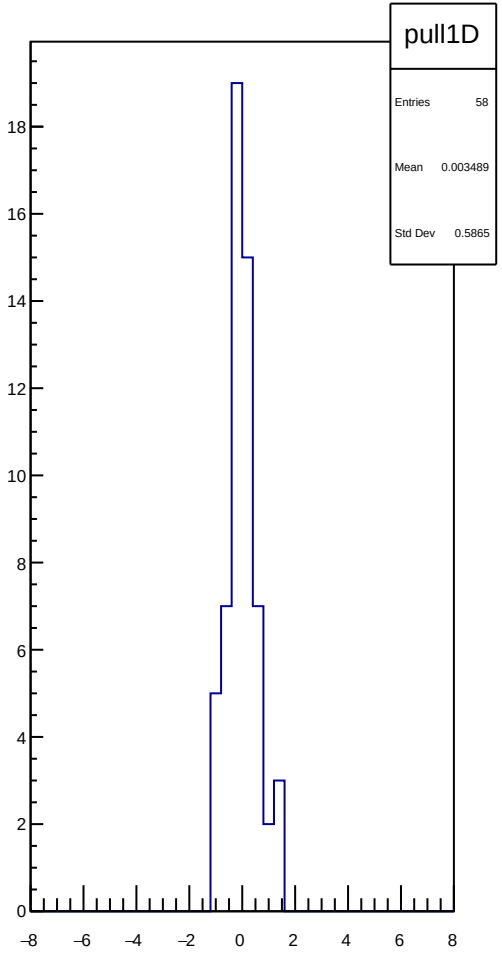

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 17.81 / 57
p0 1.083 ± 4.179
pull
Entries 58
Mean 140.2
Std Dev 118.3
pull1D
Entries 58
Mean 0.006455
Std Dev 0.5541

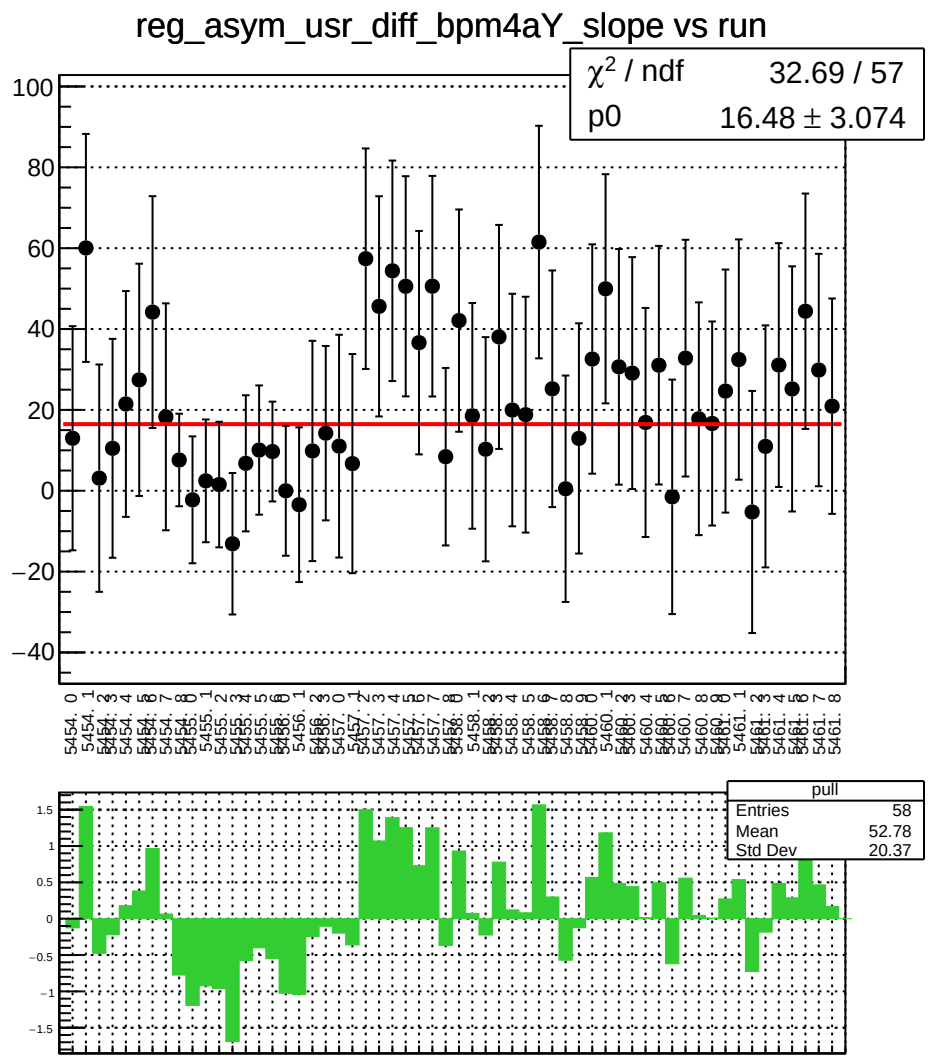

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 22.94 / 57
p0 4.248 ± 3.674
pull
Entries 58
Mean 90.4
Std Dev 61.63
pull1D
Entries 58
Mean −0.04013
Std Dev 0.6277

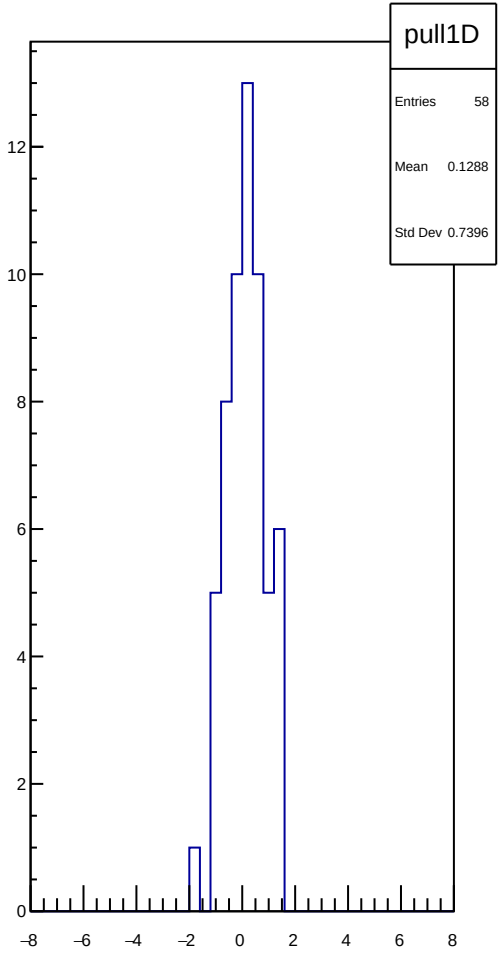

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 1404 / 57
p0 −41.2 ± 0.09885
pull
Entries 58
Mean 79.51
Std Dev 30.94

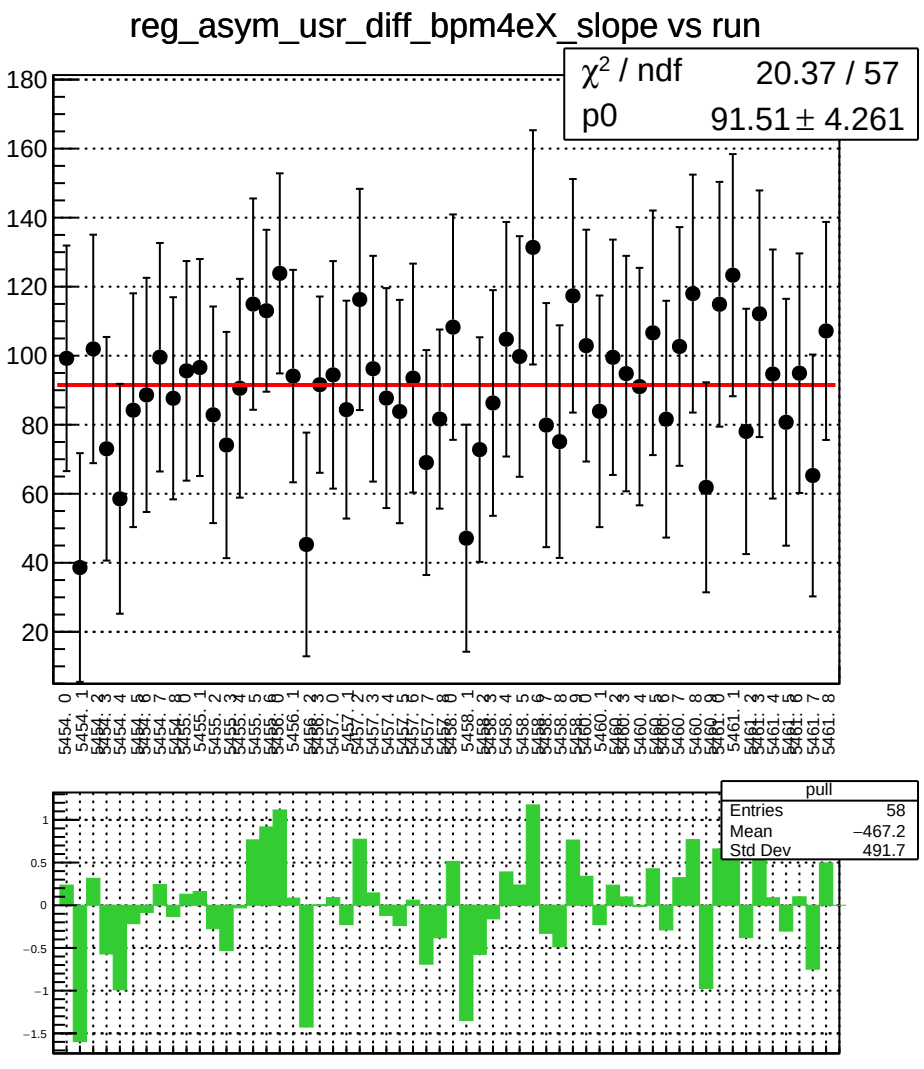

pull1D
Entries 58
Mean −0.428
Std Dev 4.164

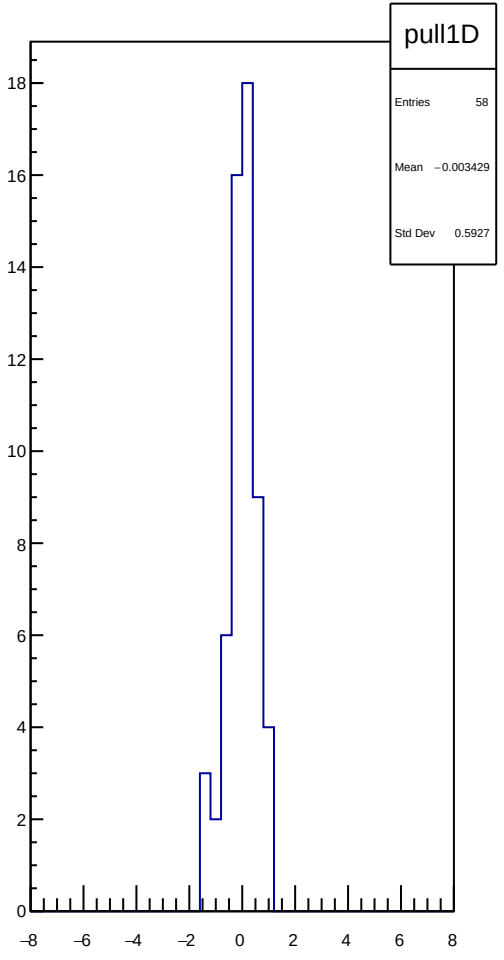

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 19.95 / 57
p0 −3.883 ± 4.415
pull
Entries 58
Mean −469.9
Std Dev 493.9

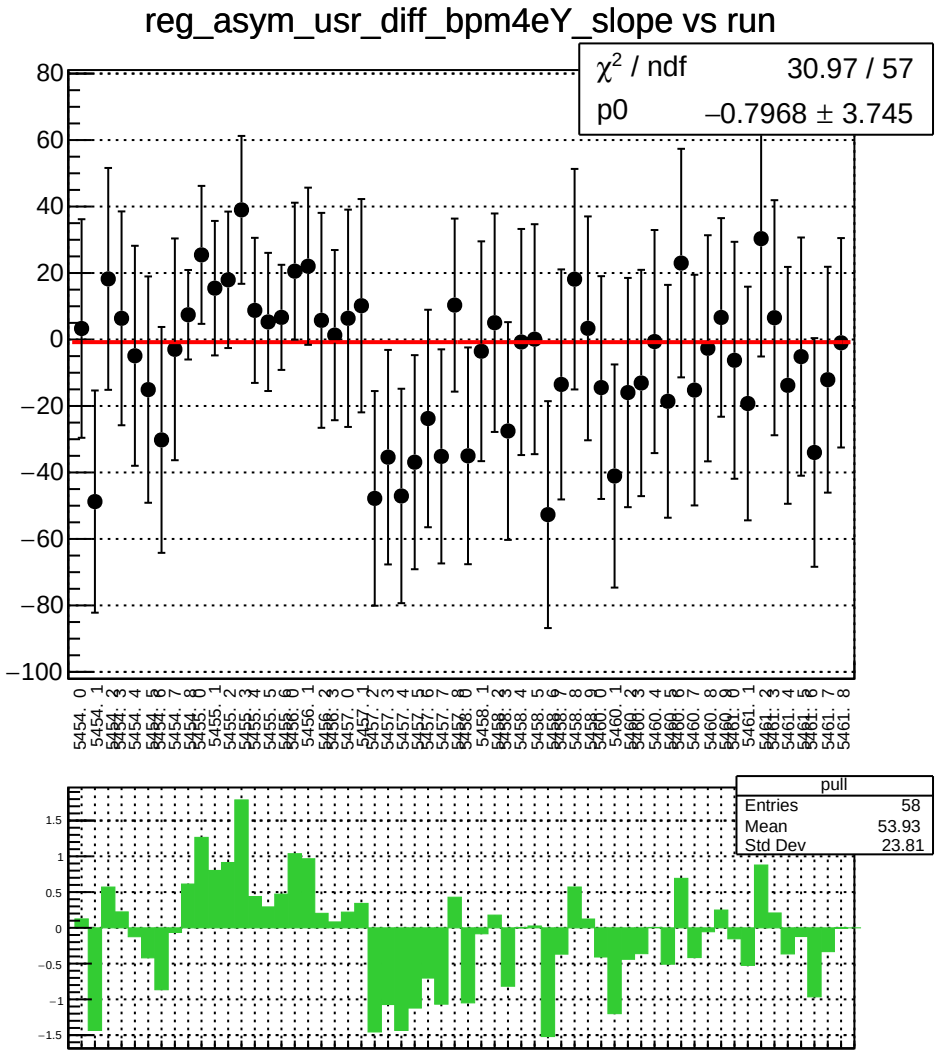

pull1D
Entries 58
Mean 0.003489
Std Dev 0.5865

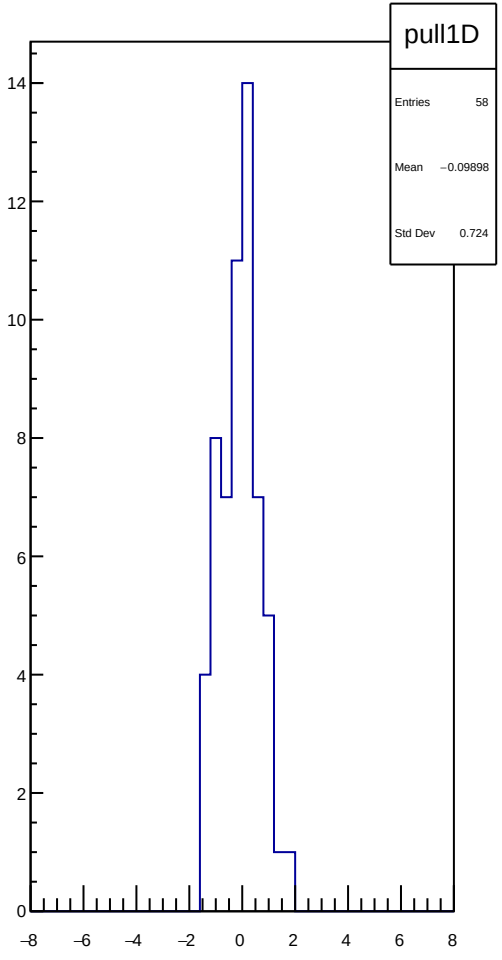

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 32.69 / 57
p0 16.48 ± 3.074
pull
Entries 58
Mean 52.78
Std Dev 20.37

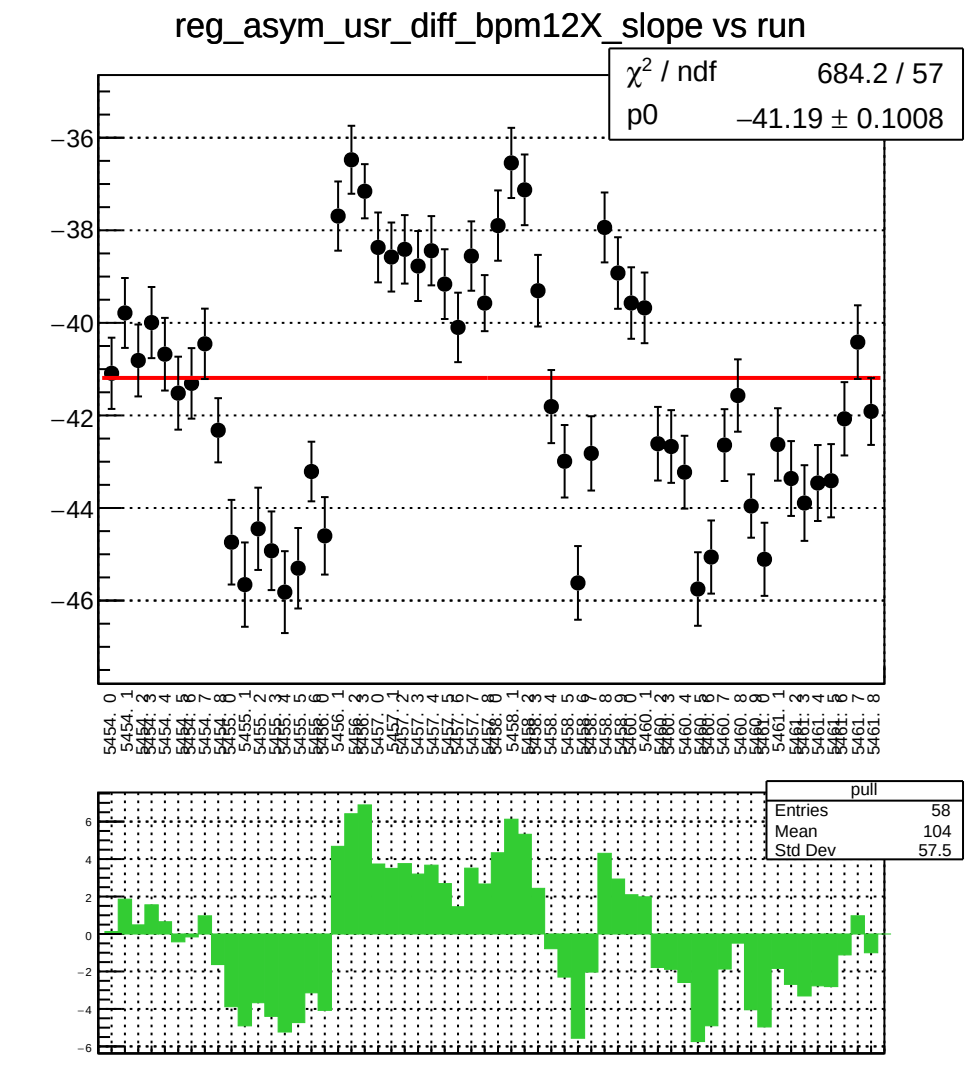

pull1D
Entries 58
Mean 0.1288
Std Dev 0.7396

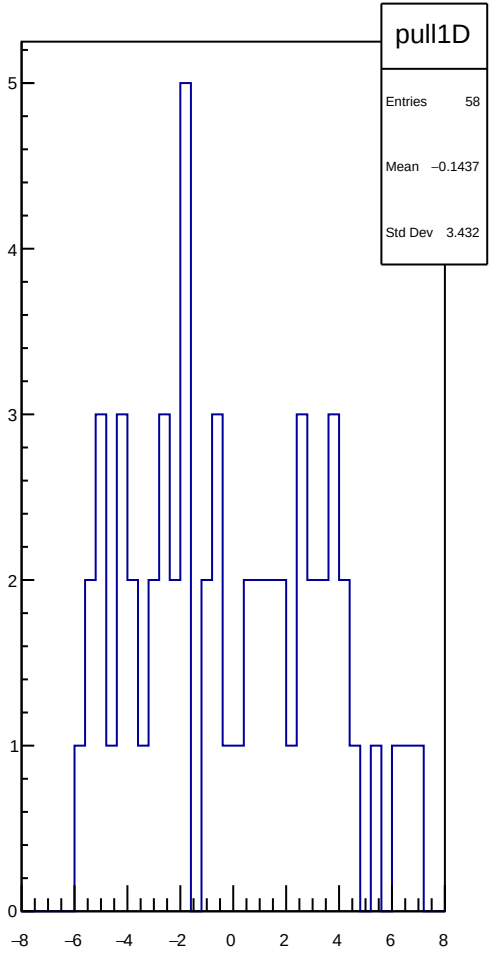

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 20.37 / 57
p0 91.51 ± 4.261
pull
Entries 58
Mean −467.2
Std Dev 491.7

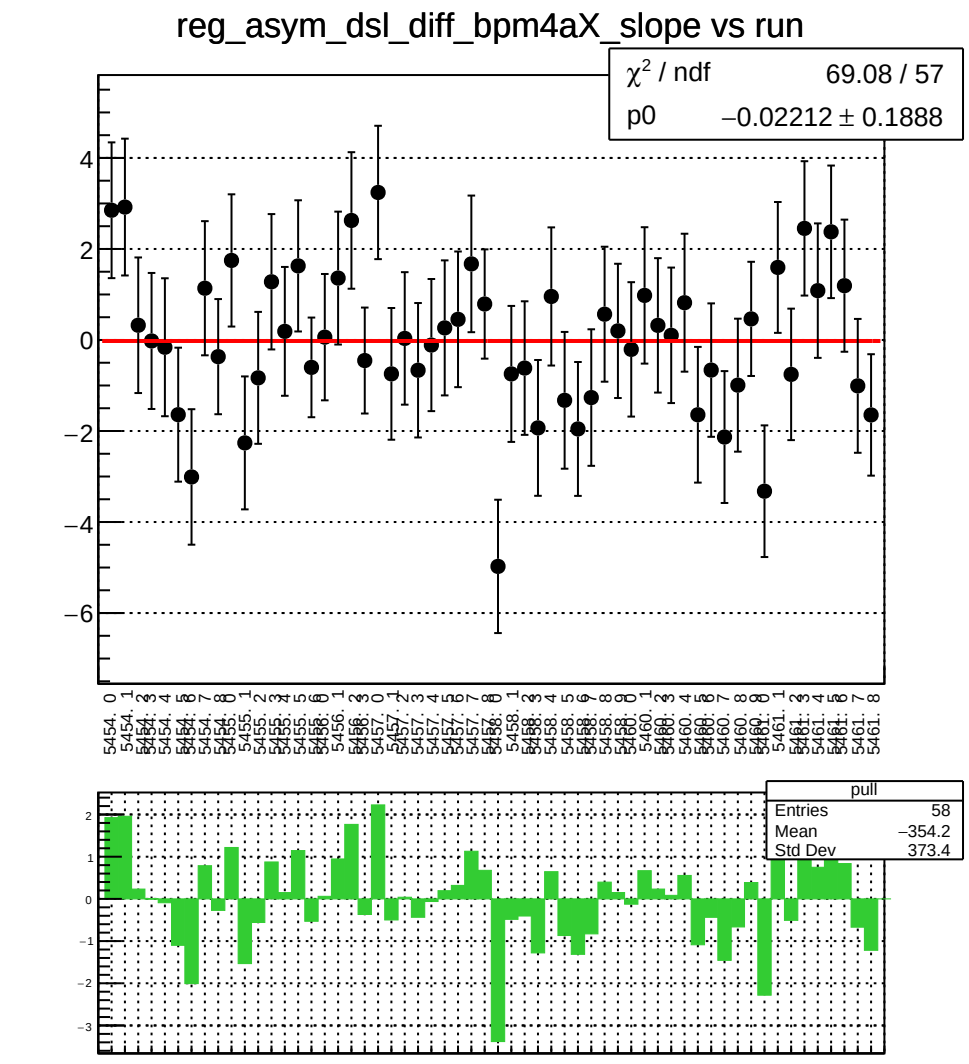

pull1D
Entries 58
Mean −0.003429
Std Dev 0.5927

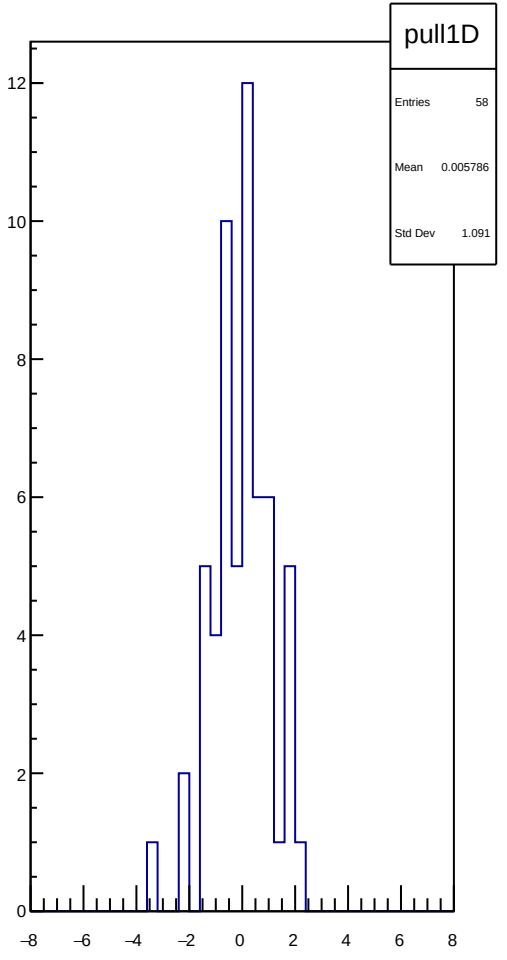

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 30.97 / 57
p0 −0.7968 ± 3.745
pull
Entries 58
Mean 53.93
Std Dev 23.81

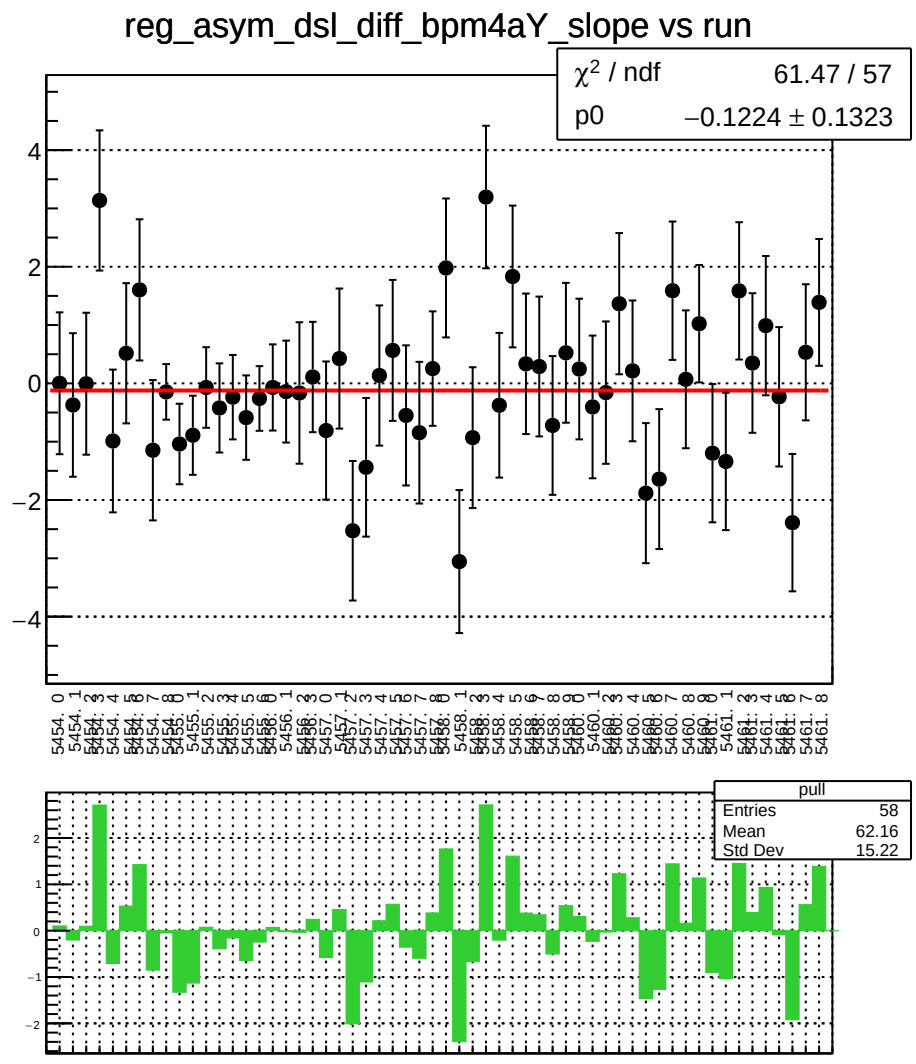

pull1D
Entries 58
Mean −0.09898
Std Dev 0.724

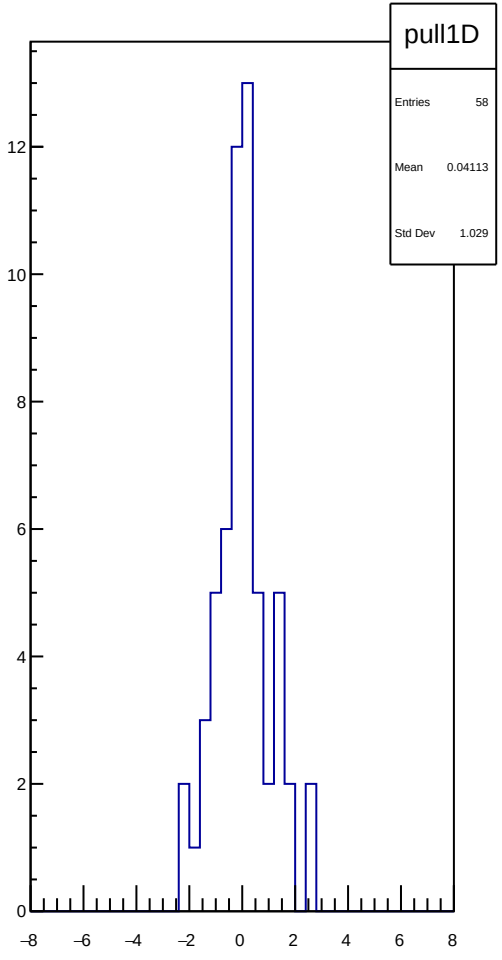

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 684.2 / 57
p0 −41.19 ± 0.1008
pull
Entries 58
Mean 104
Std Dev 57.5

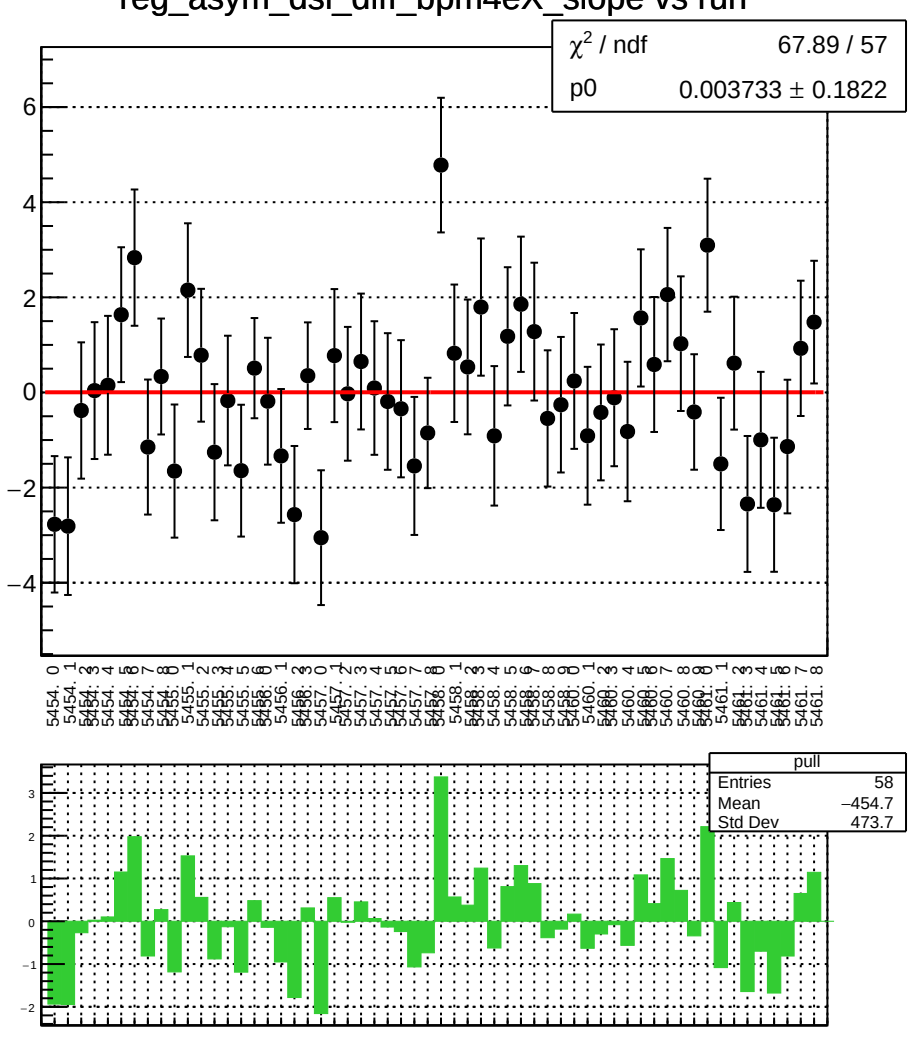

pull1D
Entries 58
Mean −0.1437
Std Dev 3.432

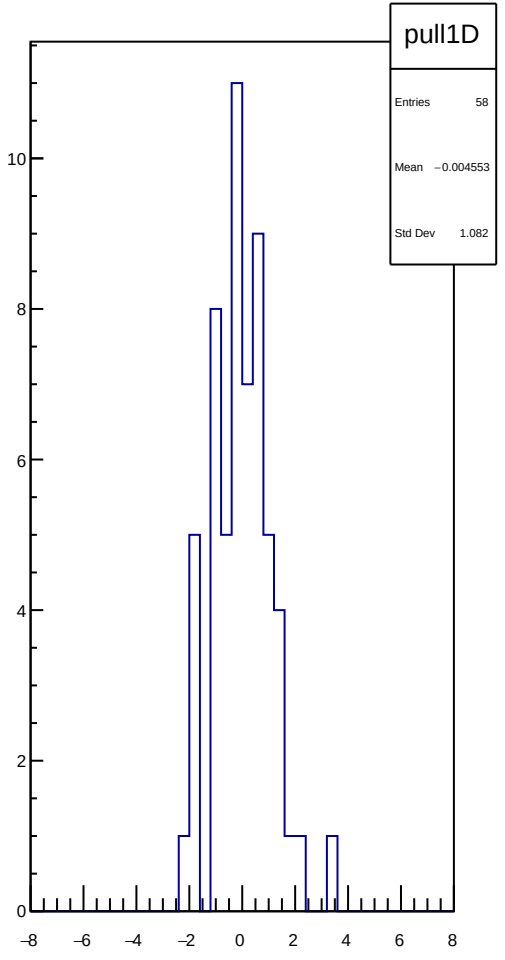

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 69.08 / 57
p0 −0.02212 ± 0.1888
pull
Entries 58
Mean −354.2
Std Dev 373.4

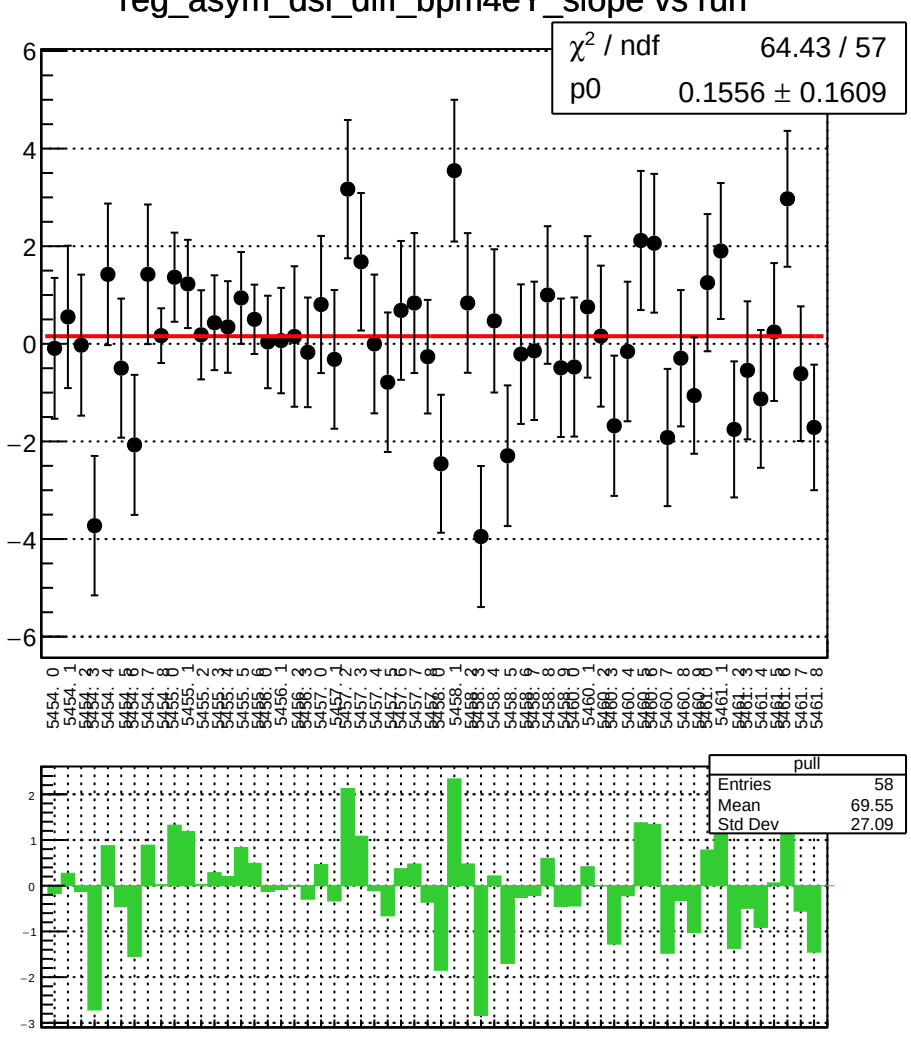

pull1D
Entries 58
Mean 0.005786
Std Dev 1.091

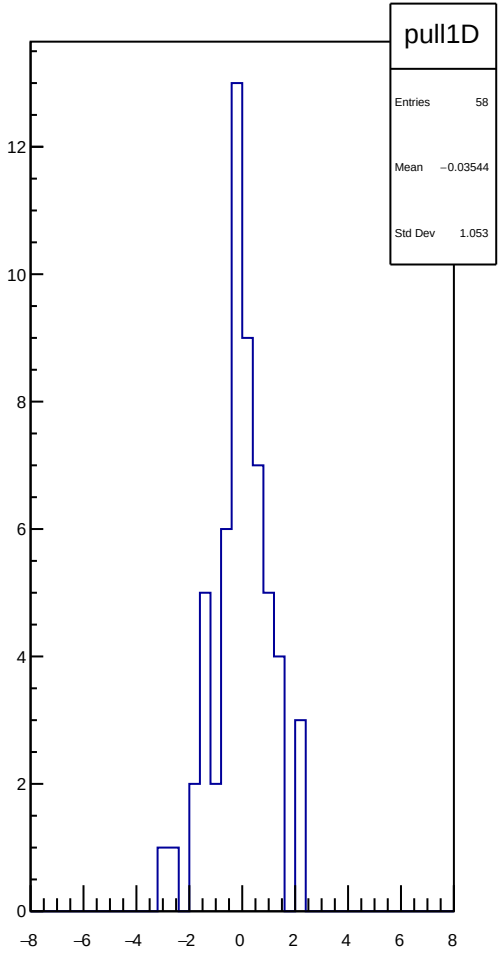

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 61.47 / 57
p0 −0.1224 ± 0.1323
pull
Entries 58
Mean 62.16
Std Dev 15.22

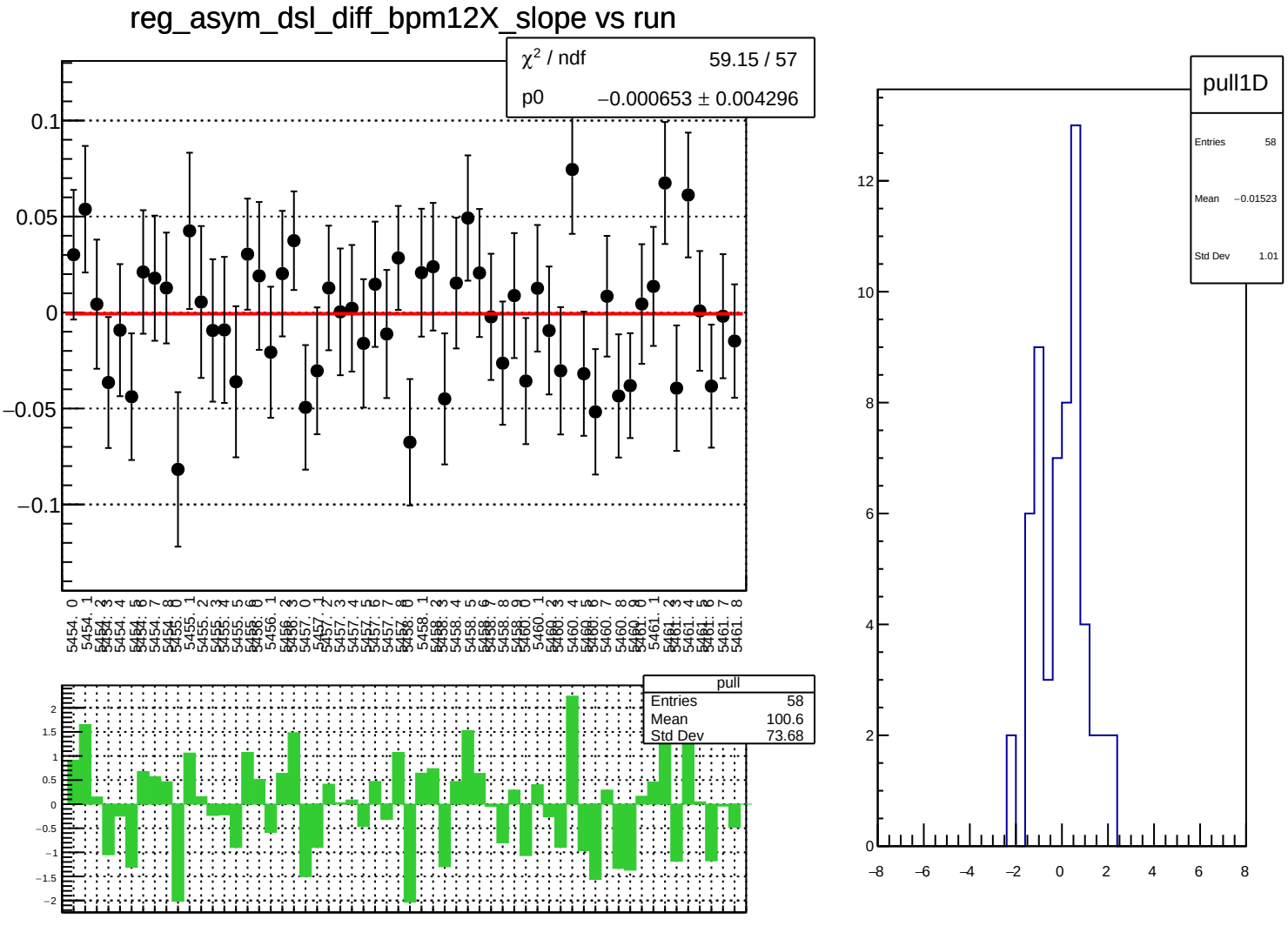

pull1D
Entries 58
Mean 0.04113
Std Dev 1.029

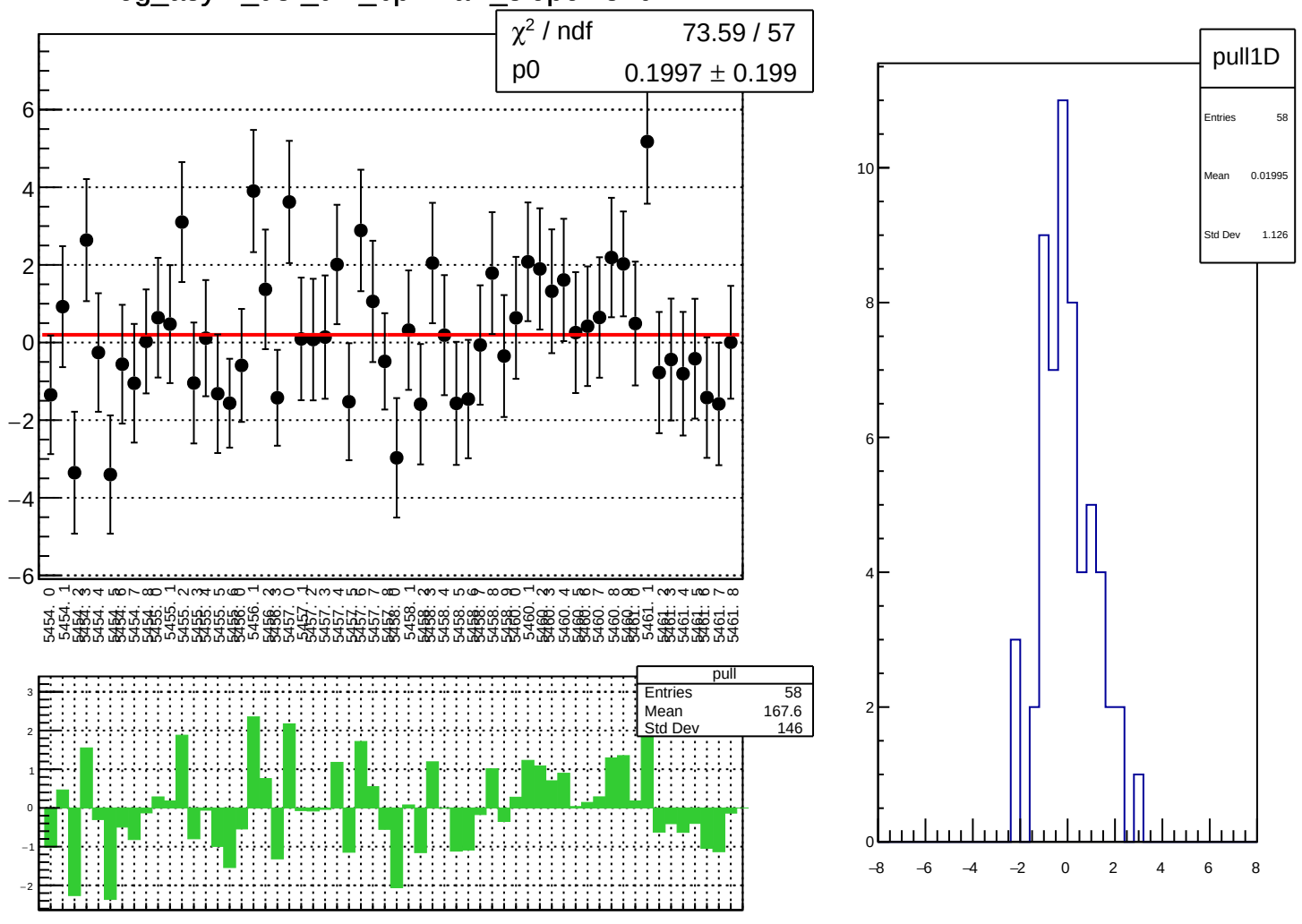

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 67.89 / 57
p0 0.003733 ± 0.1822
pull
Entries 58
Mean −454.7
Std Dev 473.7

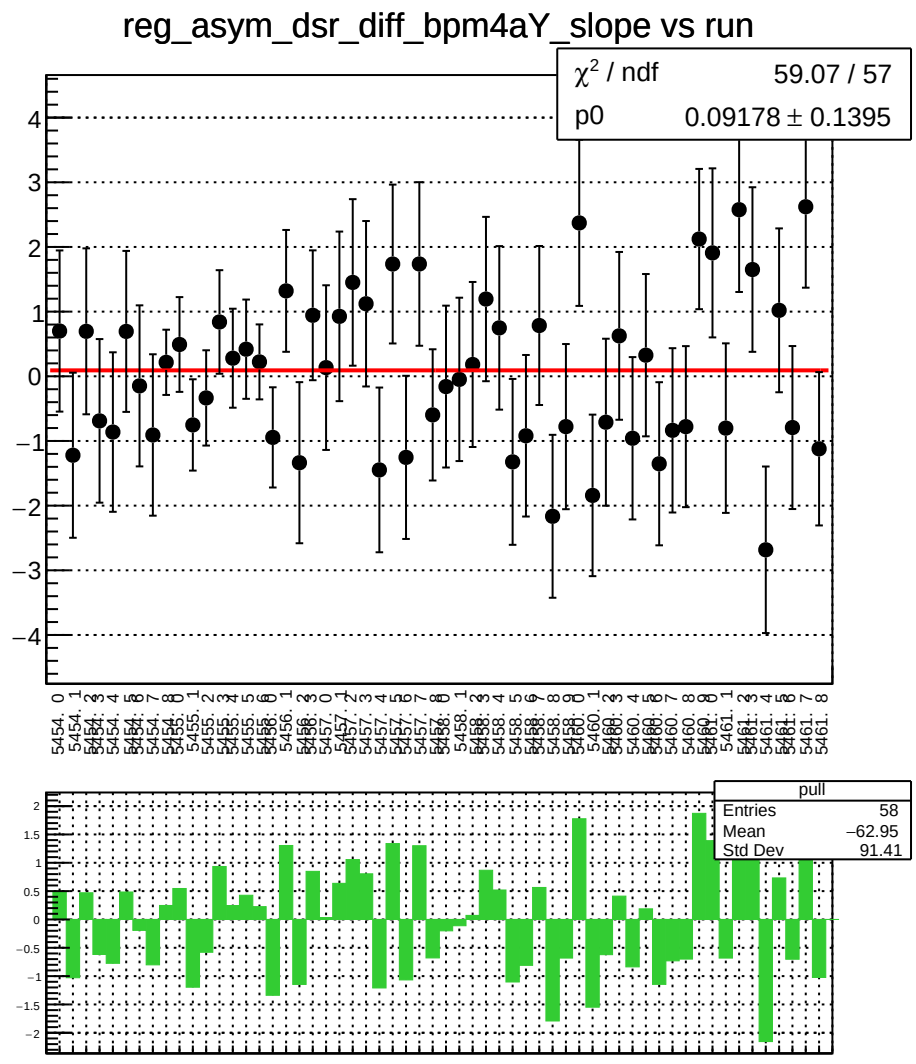

pull1D
Entries 58
Mean −0.004553
Std Dev 1.082

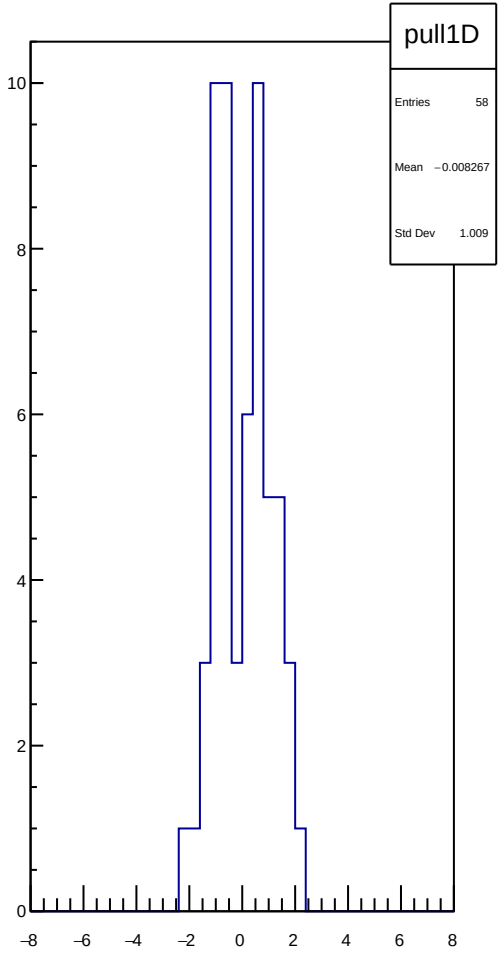

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 64.43 / 57
p0 0.1556 ± 0.1609
pull
Entries 58
Mean 69.55
Std Dev 27.09

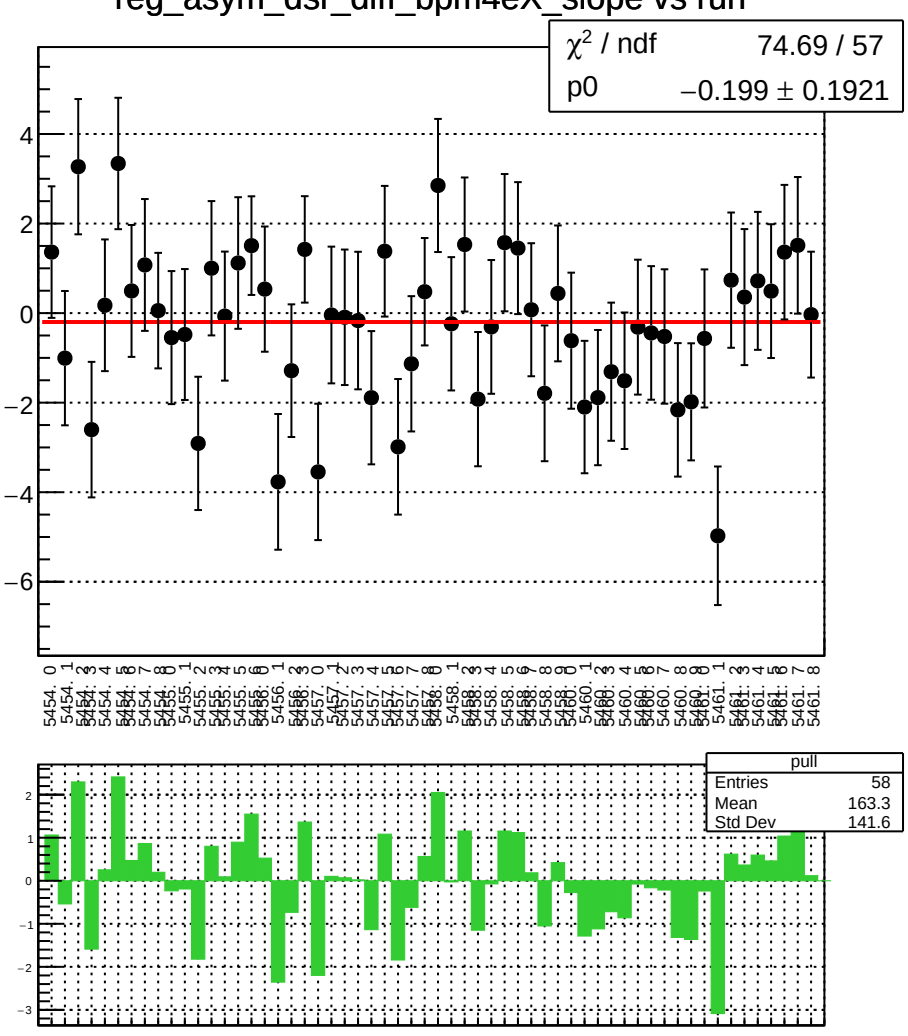

pull1D
Entries 58
Mean −0.03544
Std Dev 1.053

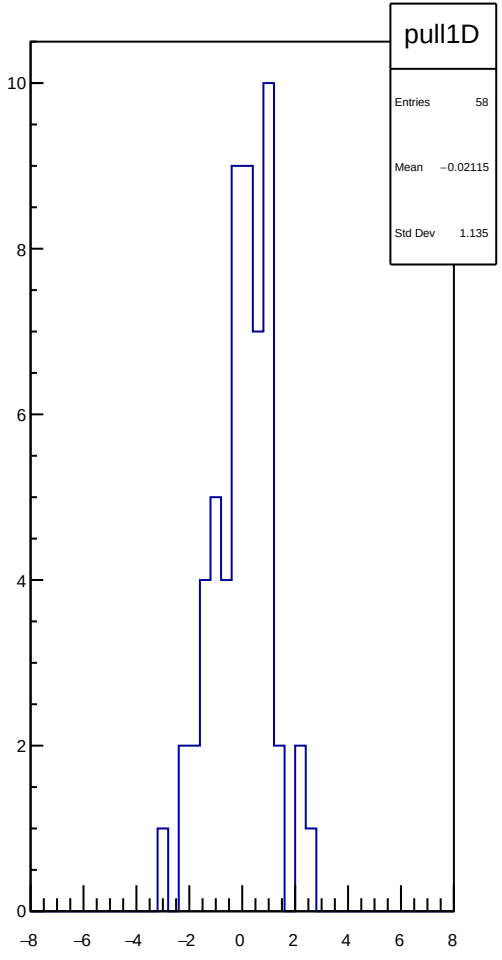

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 59.15 / 57
p0 −0.000653 ± 0.004296
pull
Entries 58
Mean 100.6
Std Dev 73.68
pull1D
Entries 58
Mean −0.01523
Std Dev 1.01

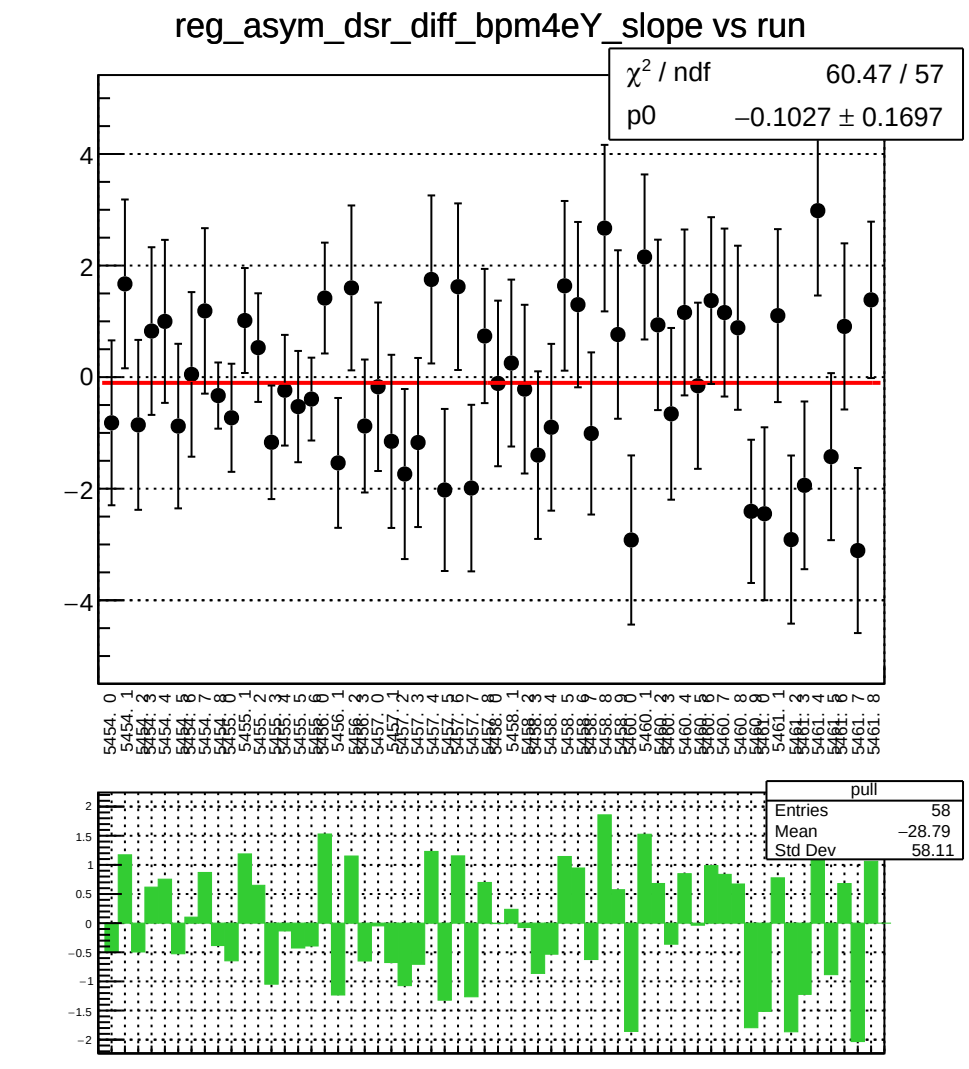

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 73.59 / 57
p0 0.1997 ± 0.199
pull
Entries 58
Mean 167.6
Std Dev 146
pull1D
Entries 58
Mean 0.01995
Std Dev 1.126

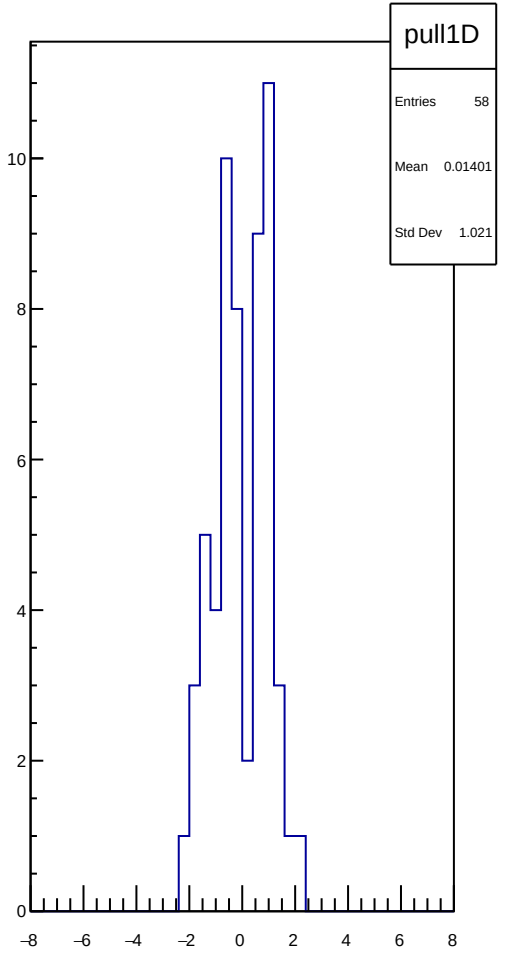

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 59.07 / 57
p0 0.09178 ± 0.1395
pull
Entries 58
Mean −62.95
Std Dev 91.41

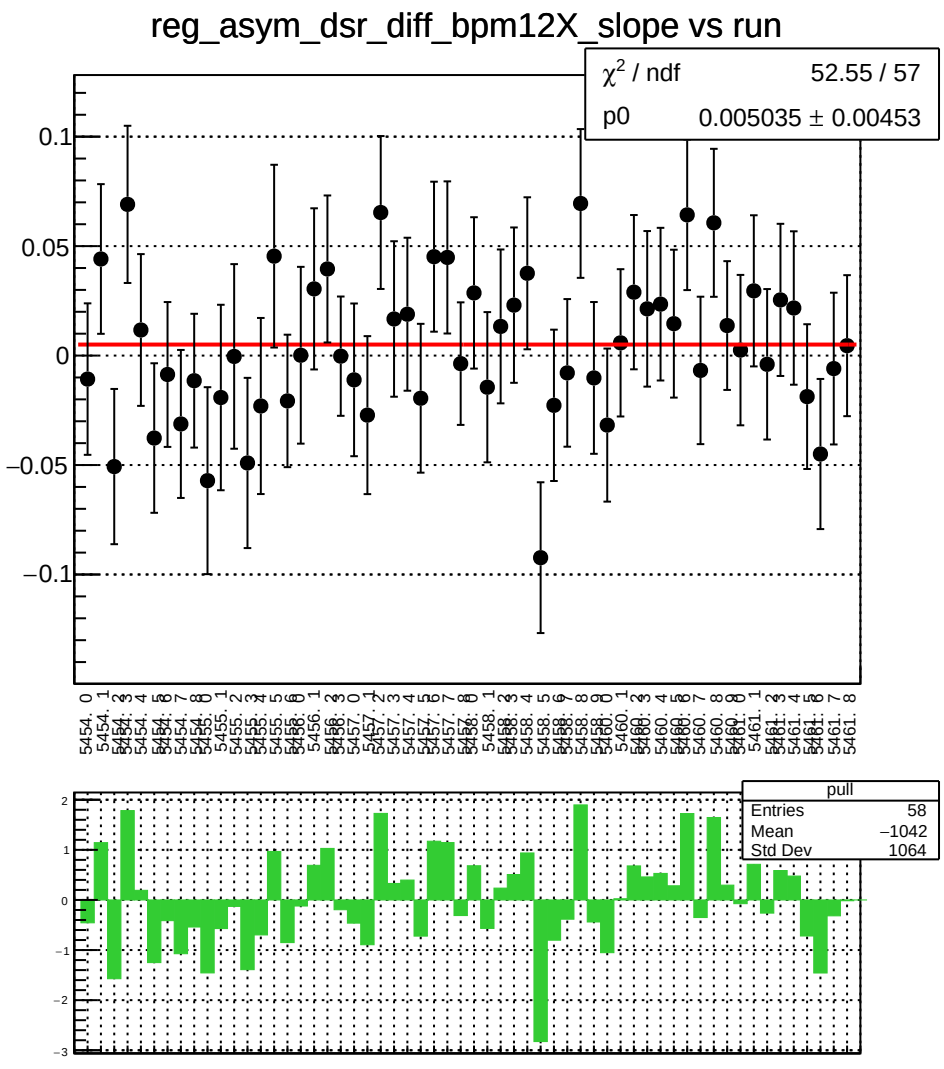

pull1D
Entries 58
Mean −0.008267
Std Dev 1.009

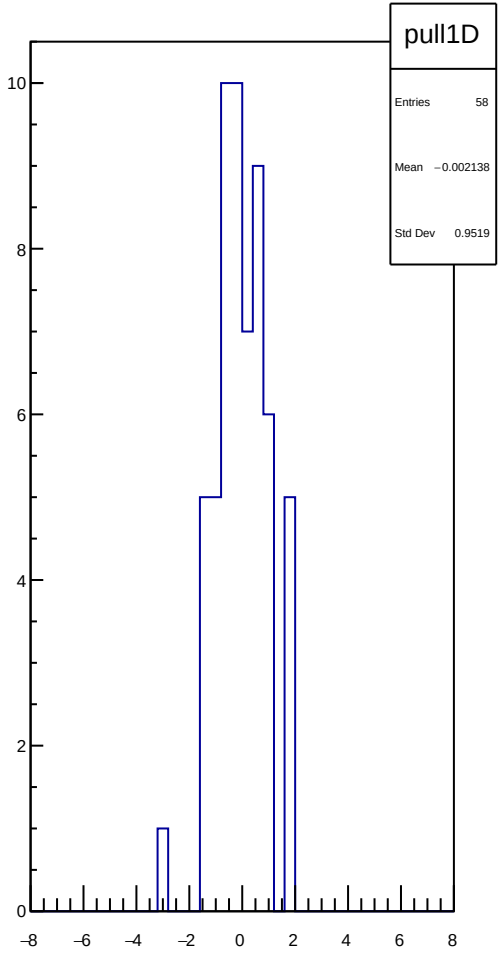

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 74.69 / 57
p0 −0.199 ± 0.1921
pull
Entries 58
Mean 163.3
Std Dev 141.6

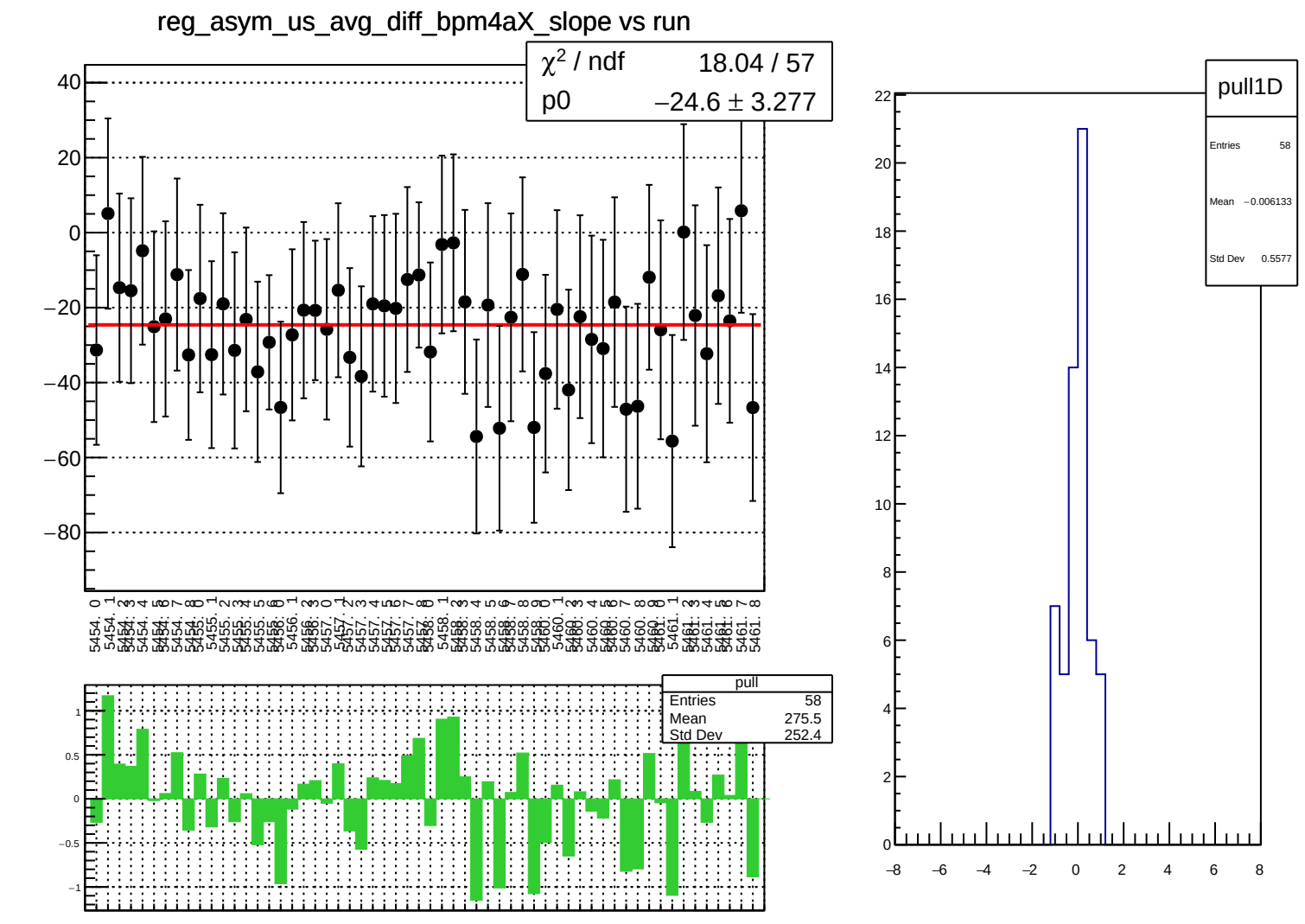

pull1D
Entries 58
Mean −0.02115
Std Dev 1.135

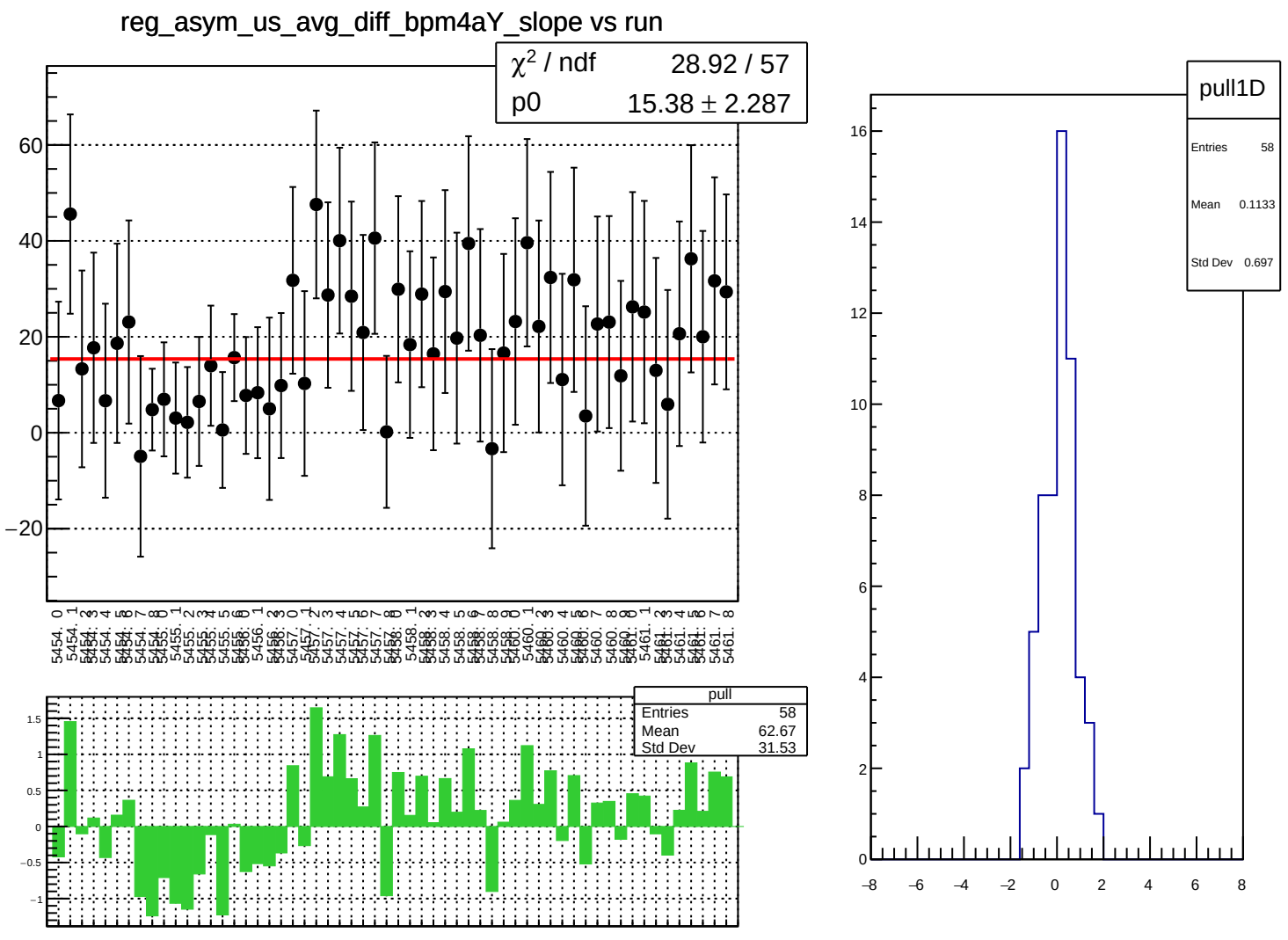

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 60.47 / 57
p0 −0.1027 ± 0.1697
pull
Entries 58
Mean −28.79
Std Dev 58.11

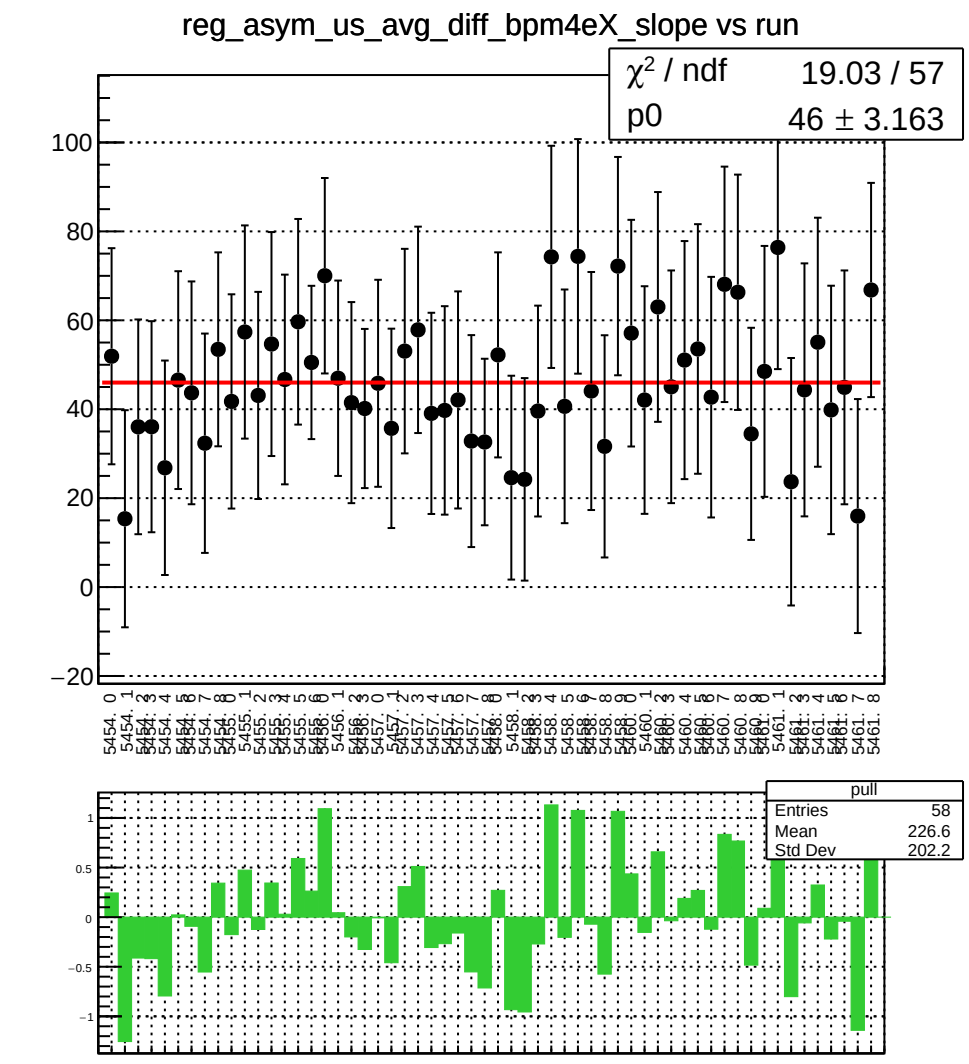

pull1D
Entries 58
Mean 0.01401
Std Dev 1.021

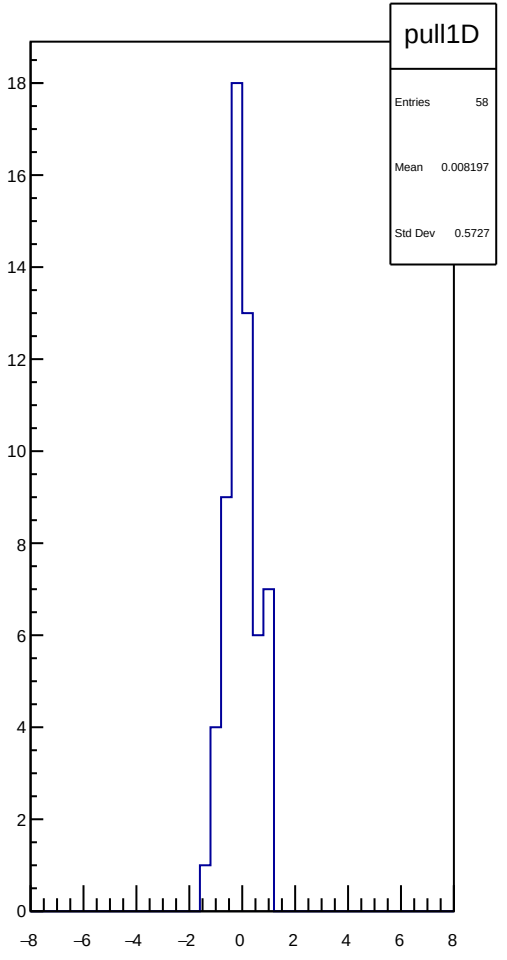

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 52.55 / 57
p0 0.005035 ± 0.00453
pull
Entries 58
Mean −1042
Std Dev 1064

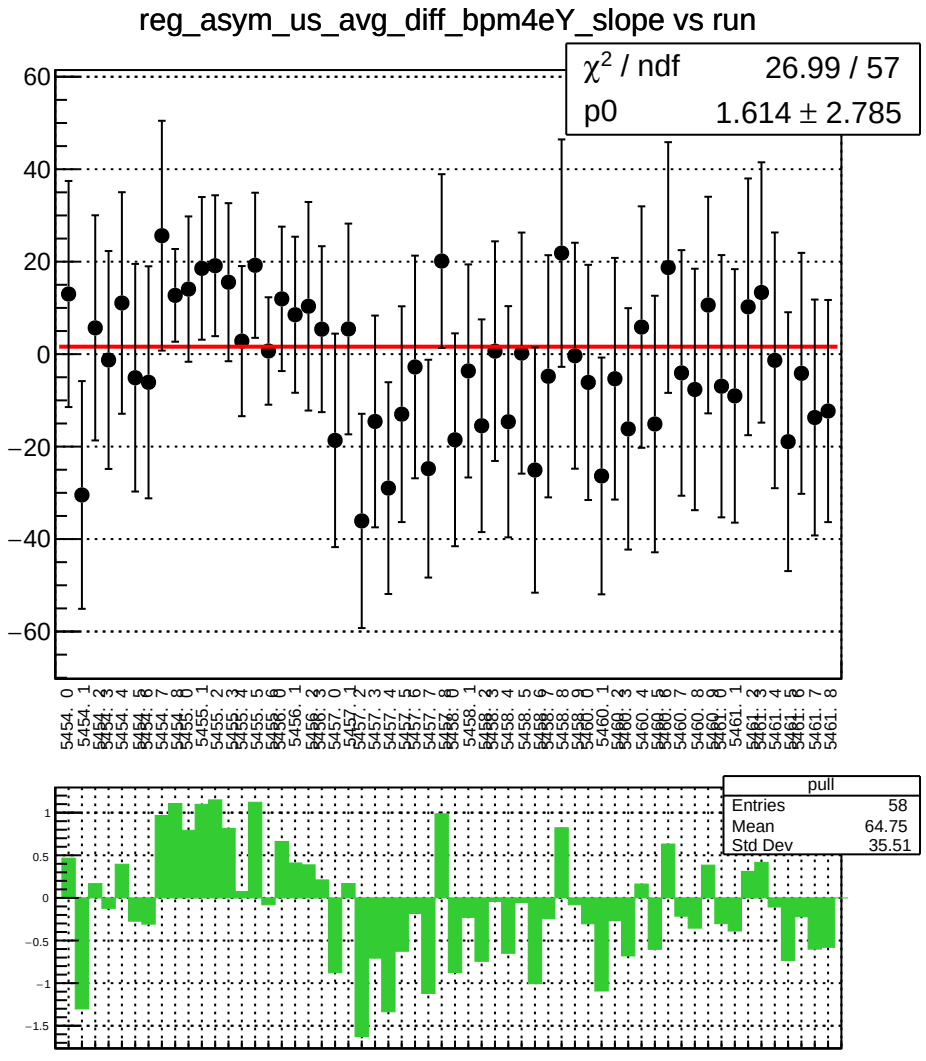

pull1D
Entries 58
Mean −0.002138
Std Dev 0.9519

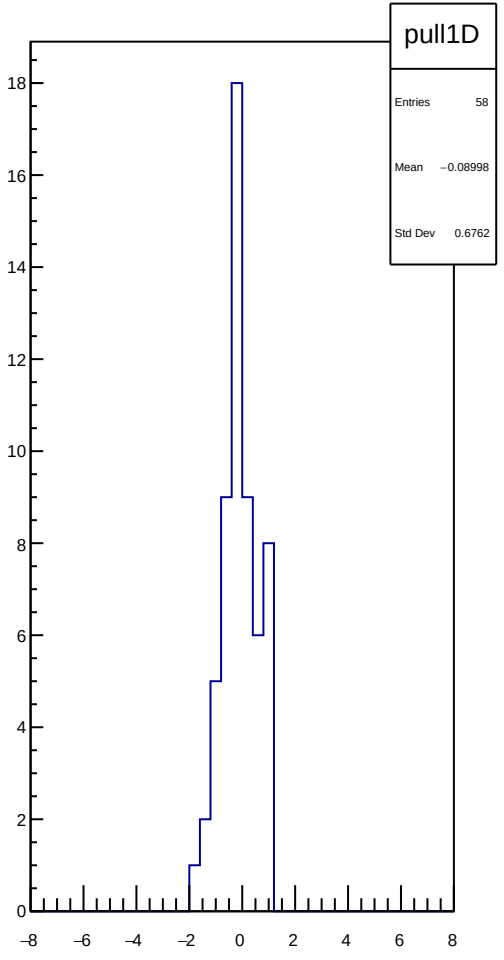

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 18.04 / 57
p0 −24.6 ± 3.277
pull
Entries 58
Mean 275.5
Std Dev 252.4
pull1D
Entries 58
Mean −0.006133
Std Dev 0.5577

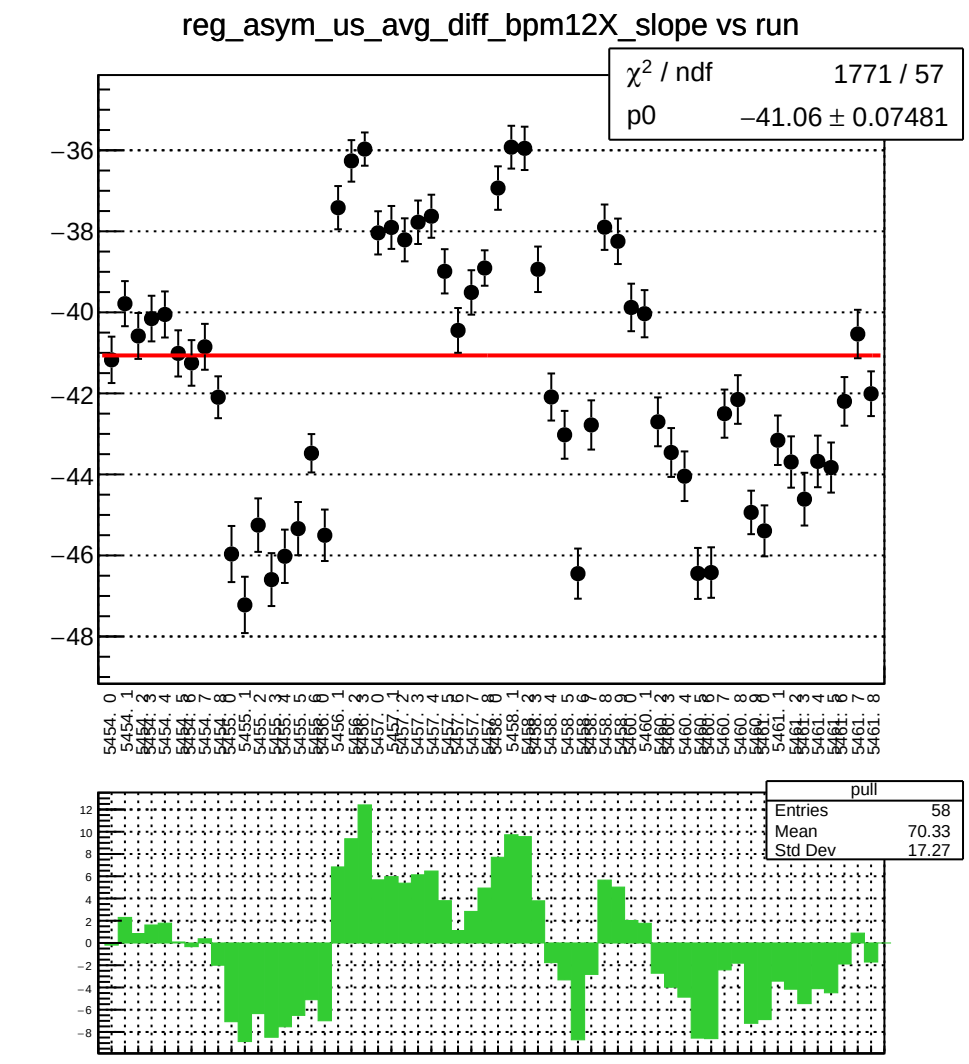

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.92 / 57
p0 15.38 ± 2.287
pull
Entries 58
Mean 62.67
Std Dev 31.53
pull1D
Entries 58
Mean 0.1133
Std Dev 0.697

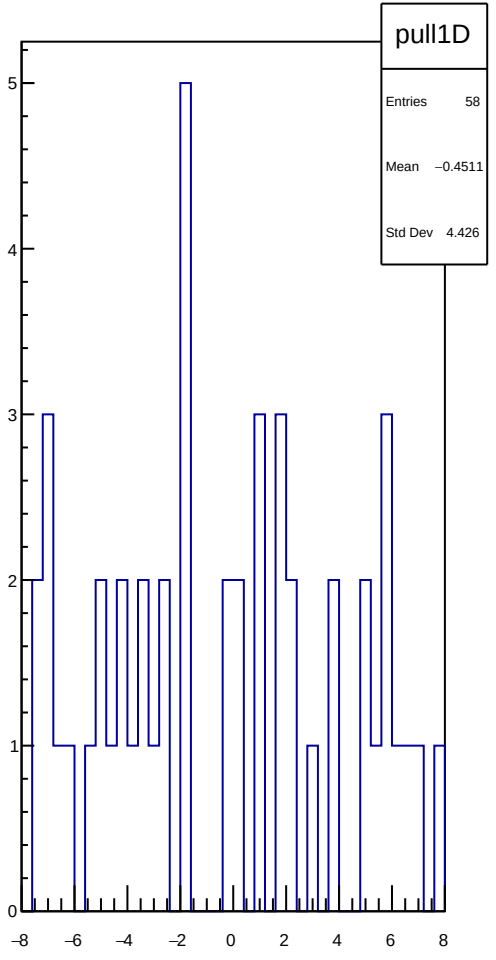

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.03 / 57
p0 46 ± 3.163
pull
Entries 58
Mean 226.6
Std Dev 202.2

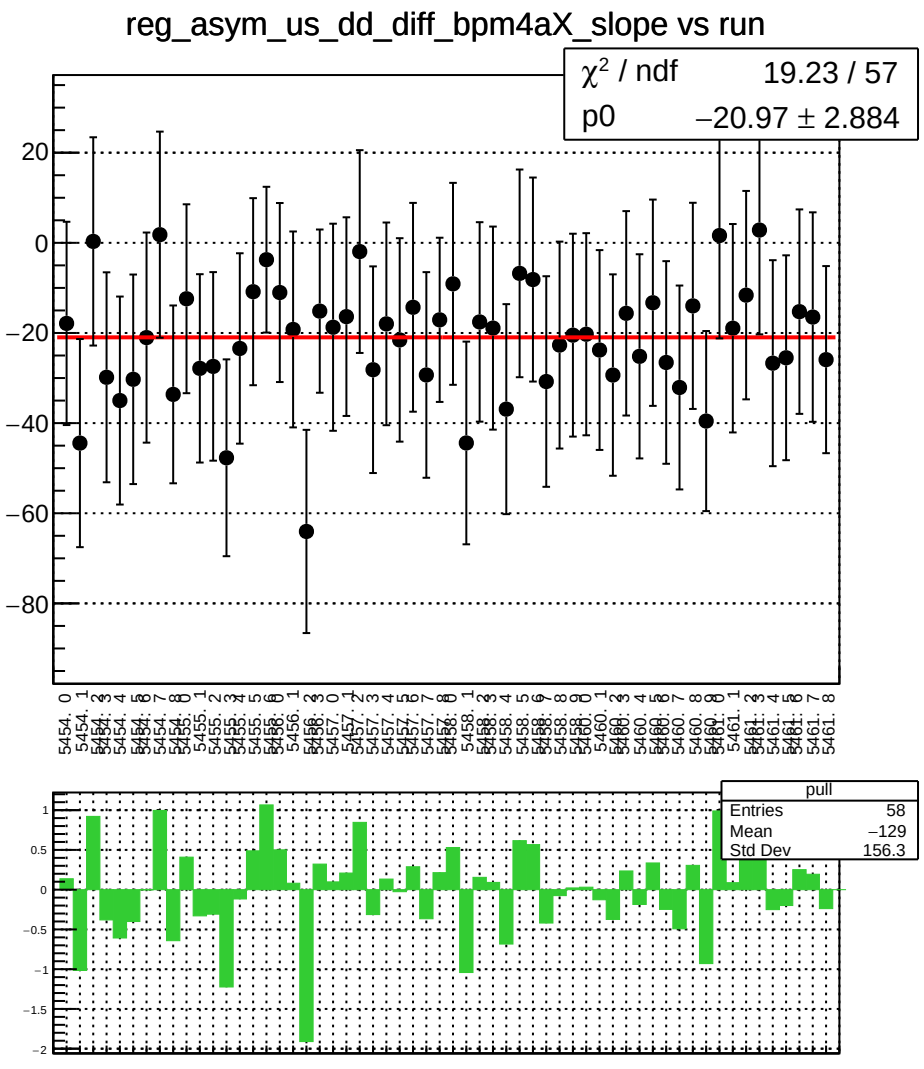

pull1D
Entries 58
Mean 0.008197
Std Dev 0.5727

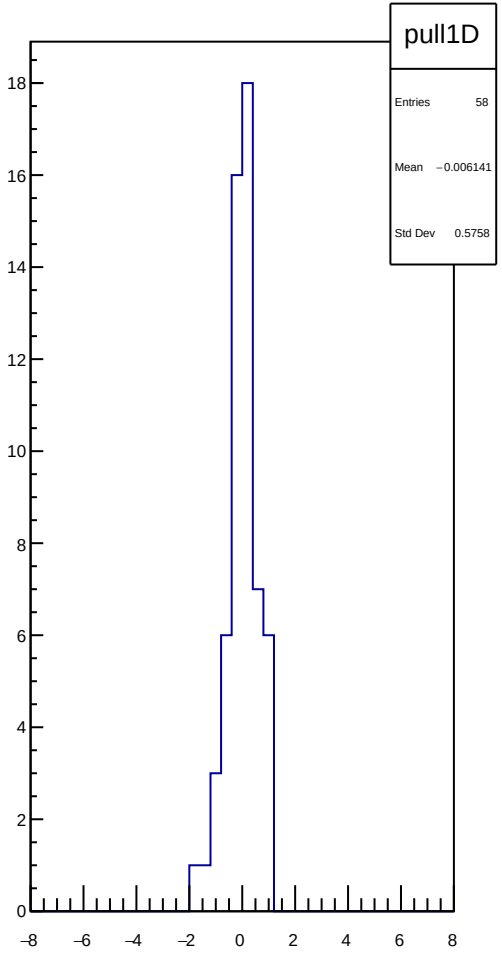

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.99 / 57
p0 1.614 ± 2.785
pull
Entries 58
Mean 64.75
Std Dev 35.51

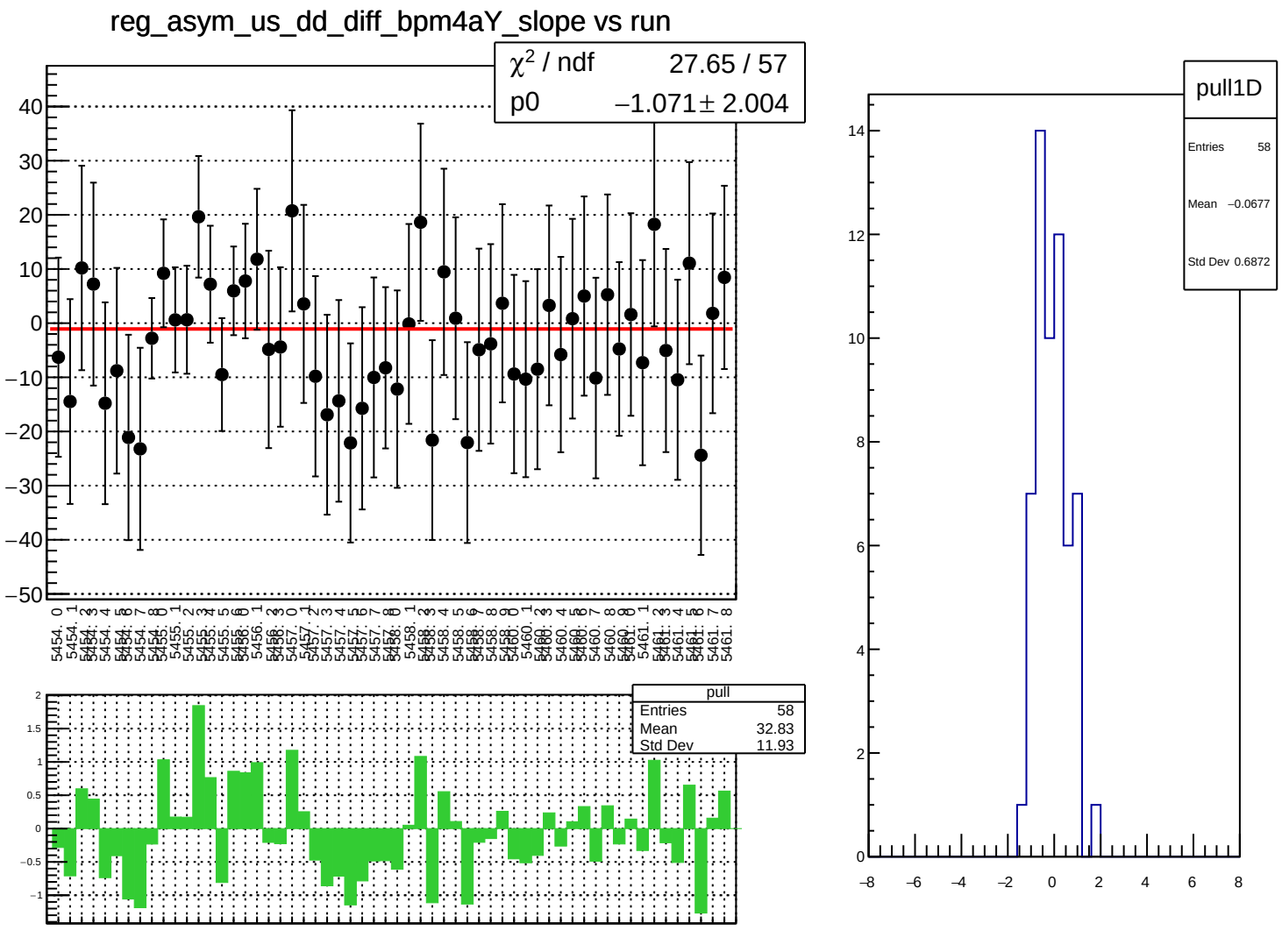

pull1D
Entries 58
Mean −0.08998
Std Dev 0.6762

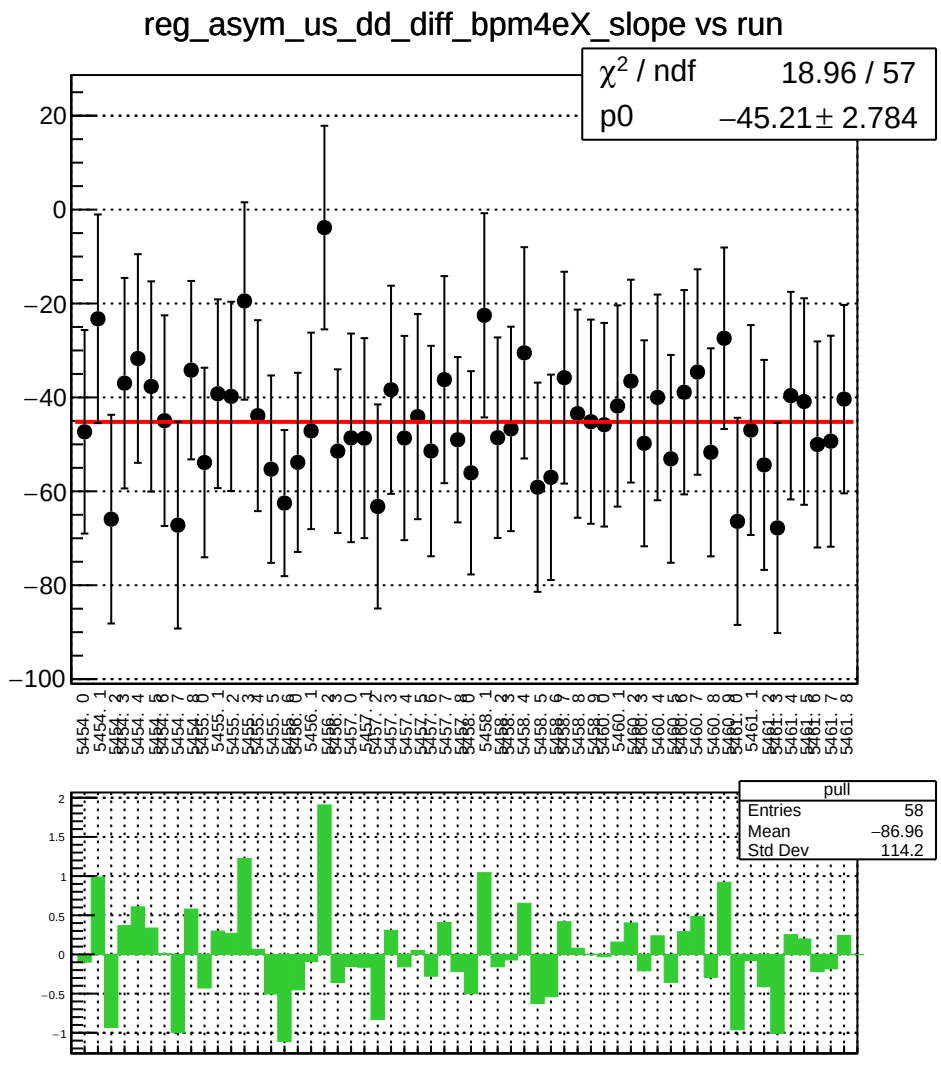

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 1771 / 57
p0 −41.06 ± 0.07481
pull
Entries 58
Mean 70.33
Std Dev 17.27

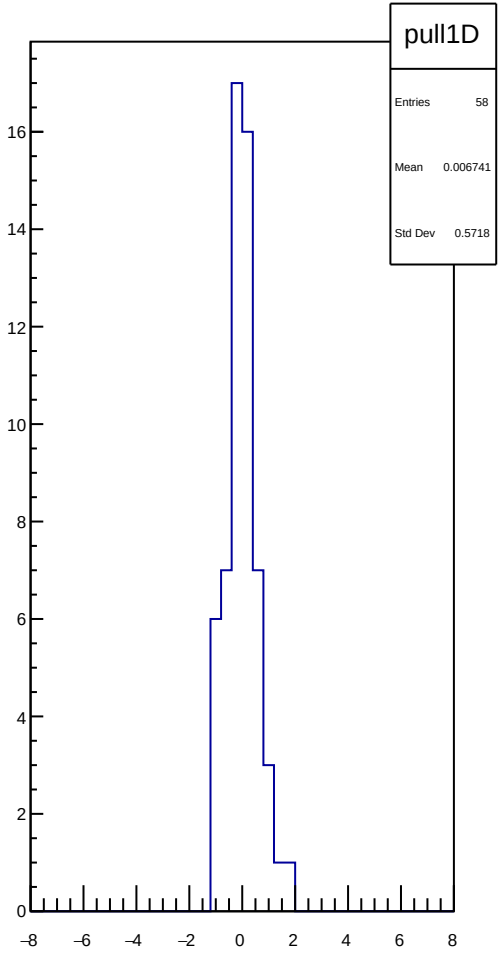

pull1D
Entries 58
Mean −0.4511
Std Dev 4.426

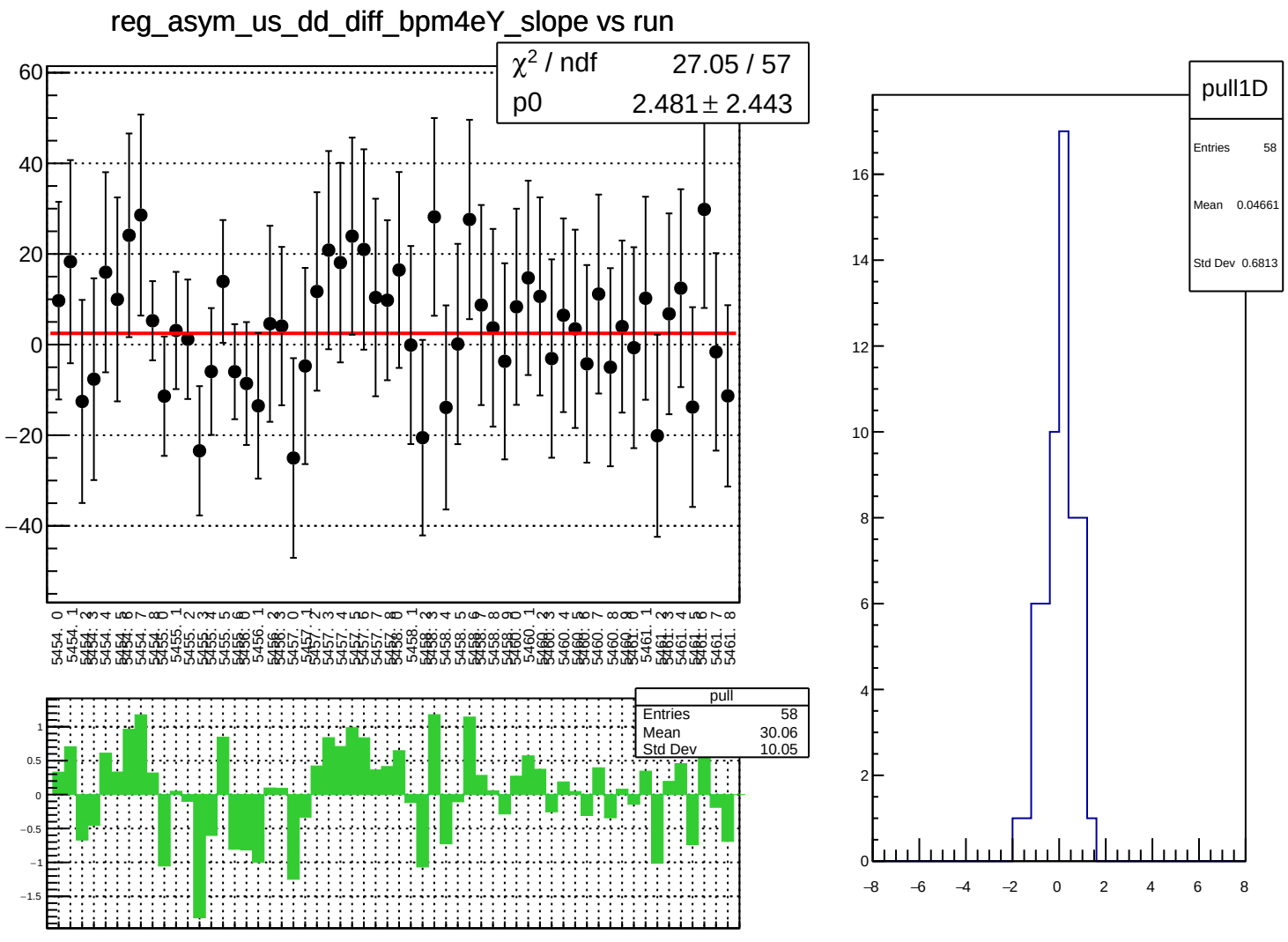

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 19.23 / 57
p0 −20.97 ± 2.884
pull
Entries 58
Mean −129
Std Dev 156.3

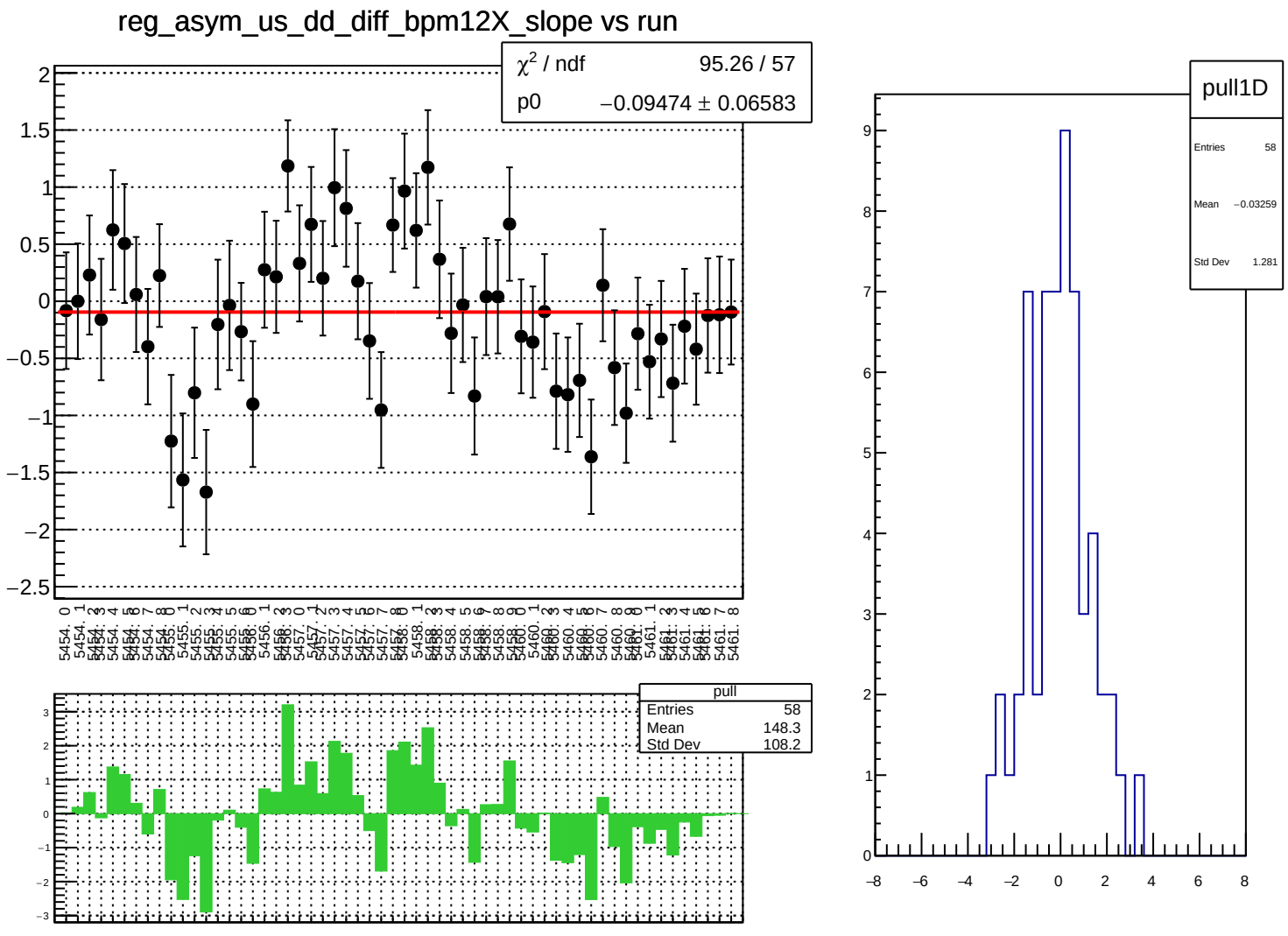

pull1D
Entries 58
Mean −0.006141
Std Dev 0.5758

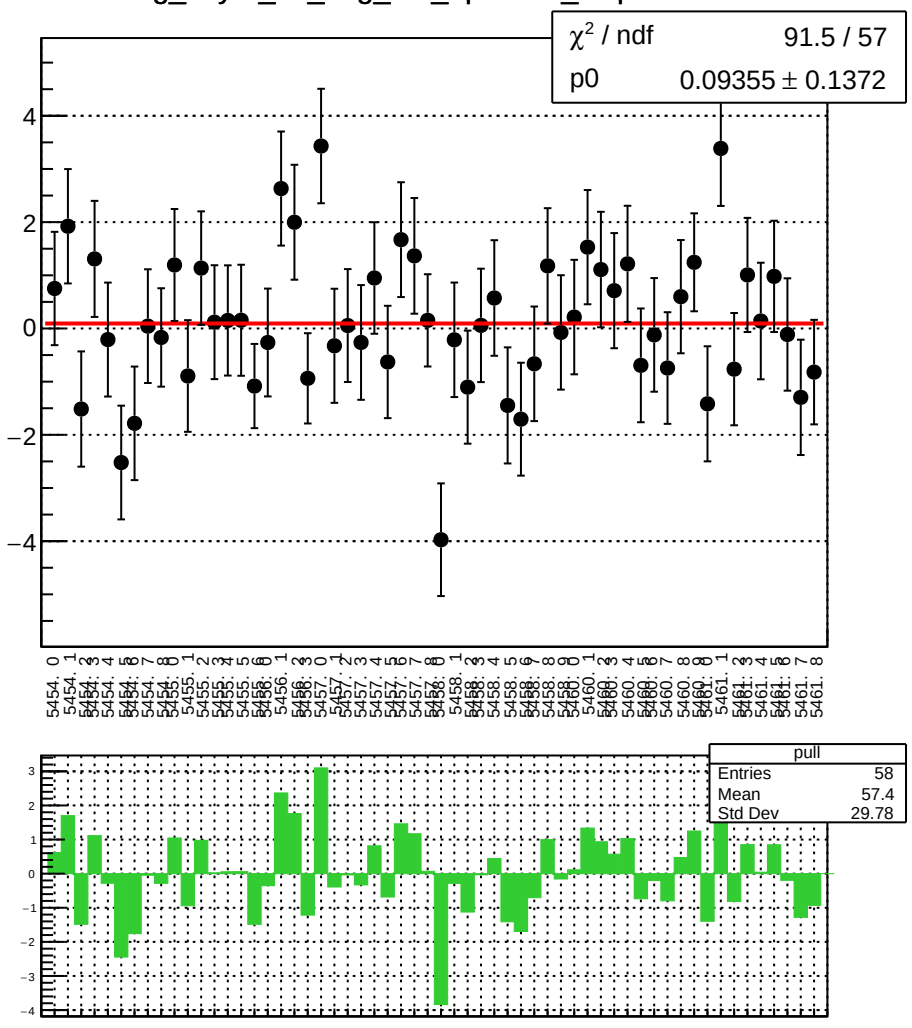

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.65 / 57
p0 −1.071 ± 2.004
pull
Entries 58
Mean 32.83
Std Dev 11.93
pull1D
Entries 58
Mean −0.0677
Std Dev 0.6872

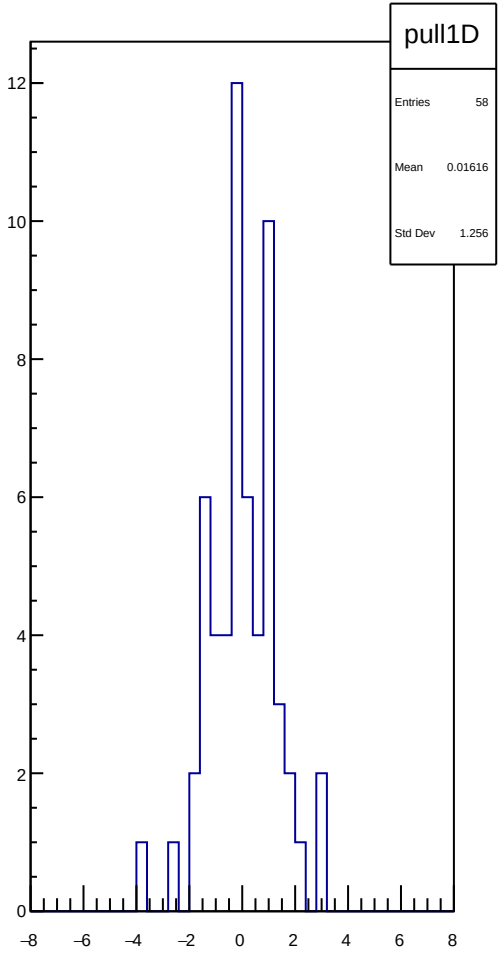

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.96 / 57
p0 −45.21 ± 2.784
pull
Entries 58
Mean −86.96
Std Dev 114.2

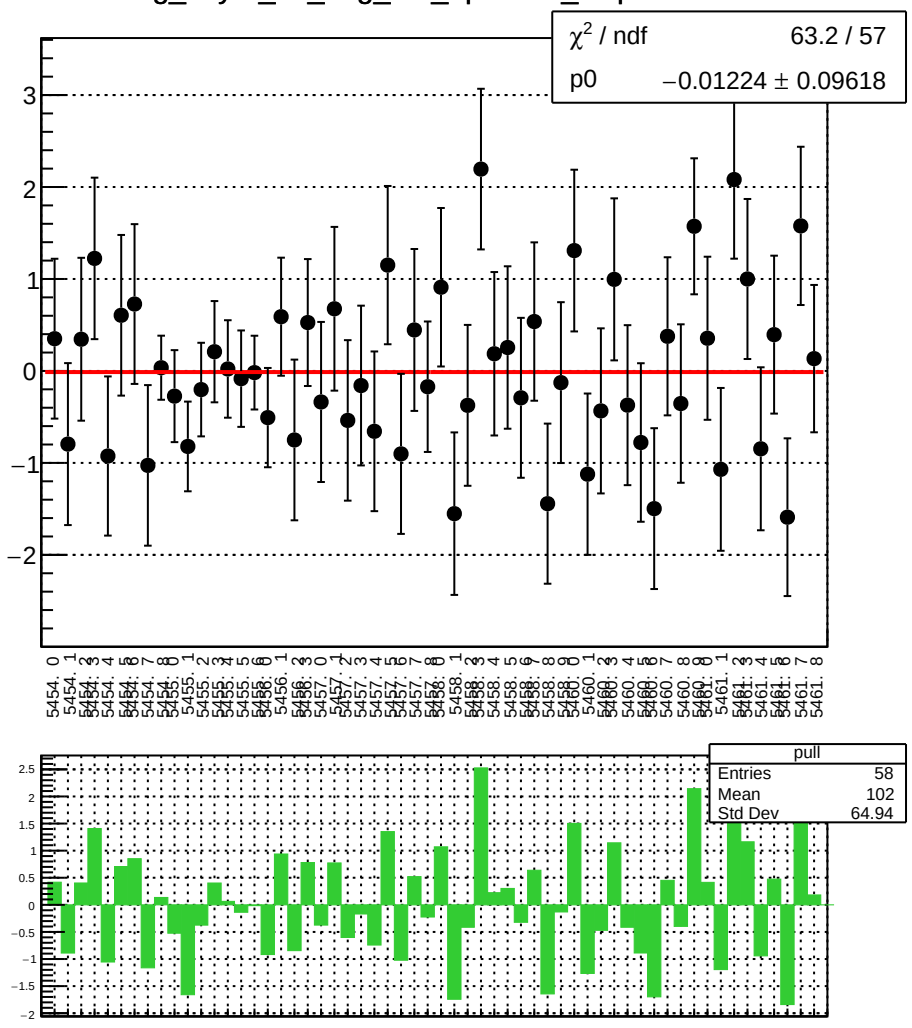

pull1D
Entries 58
Mean 0.006741
Std Dev 0.5718

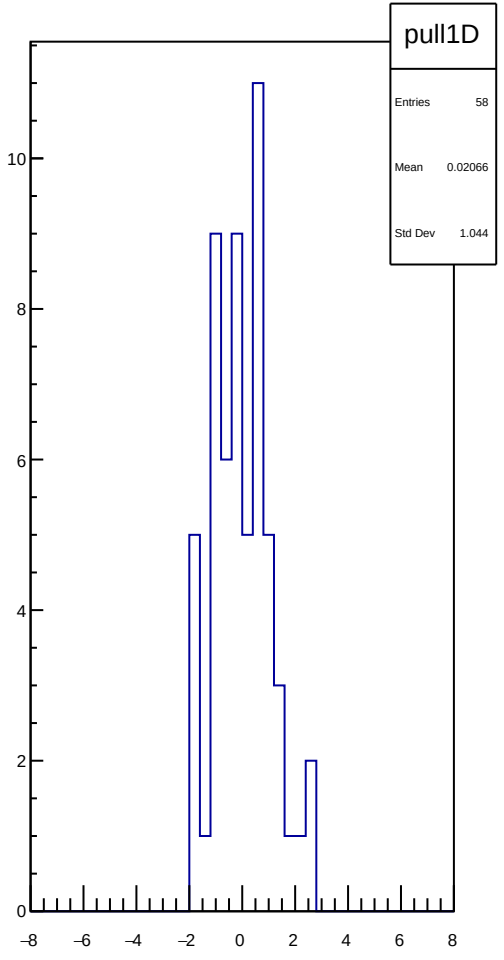

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.05 / 57
p0 2.481 ± 2.443
pull
Entries 58
Mean 30.06
Std Dev 10.05
pull1D
Entries 58
Mean 0.04661
Std Dev 0.6813

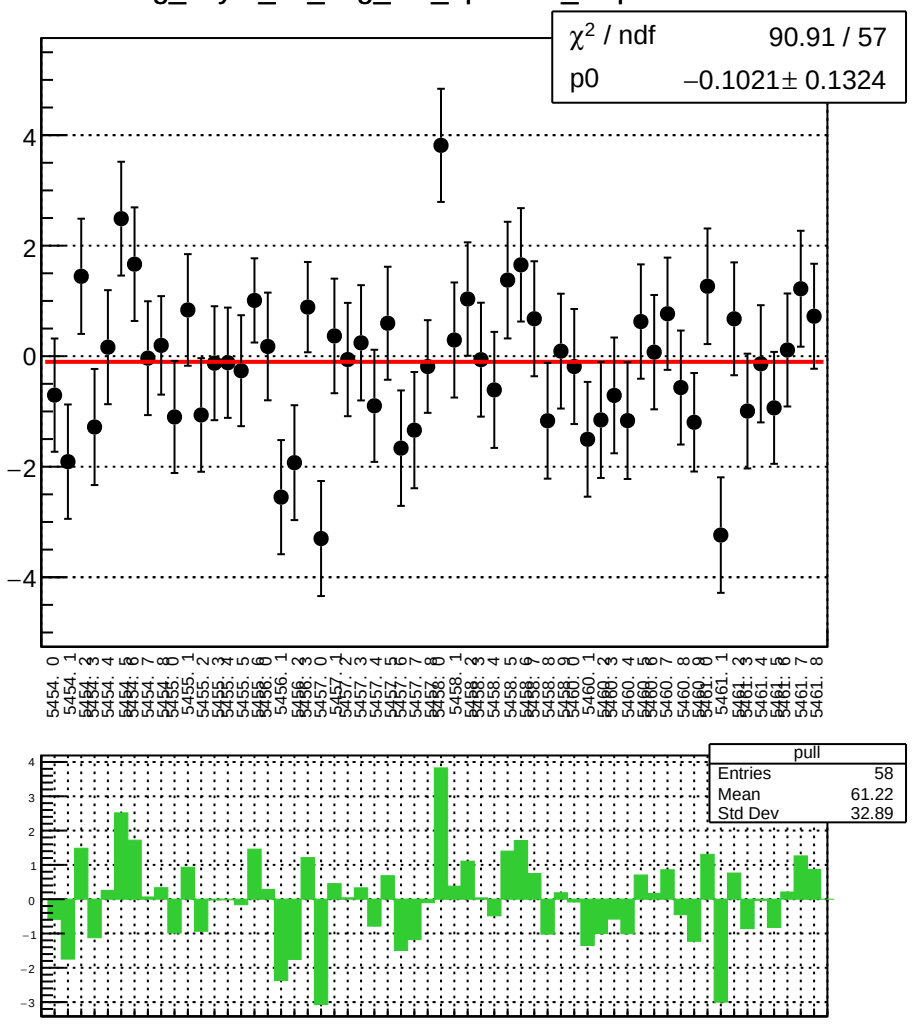

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 95.26 / 57
p0 −0.09474 ± 0.06583
pull
Entries 58
Mean 148.3
Std Dev 108.2
pull1D
Entries 58
Mean −0.03259
Std Dev 1.281

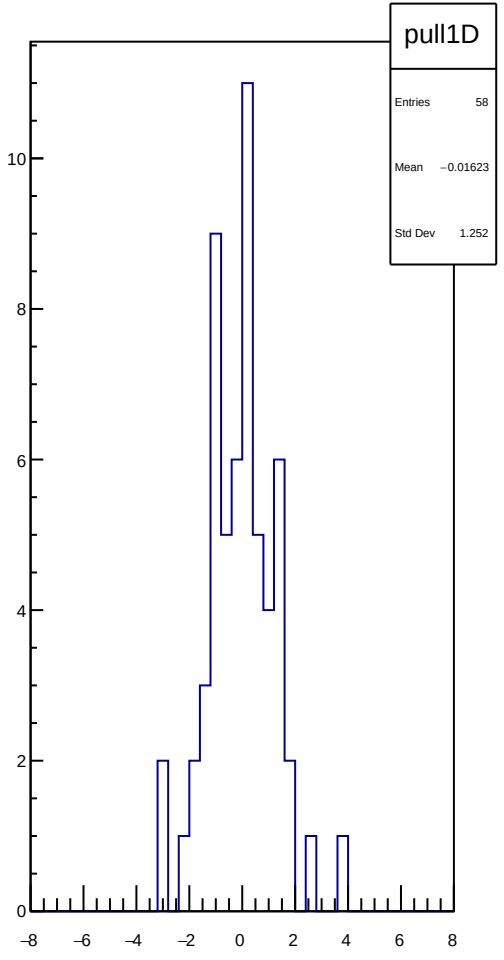

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 91.5 / 57
p0 0.09355 ± 0.1372
pull
Entries 58
Mean 57.4
Std Dev 29.78

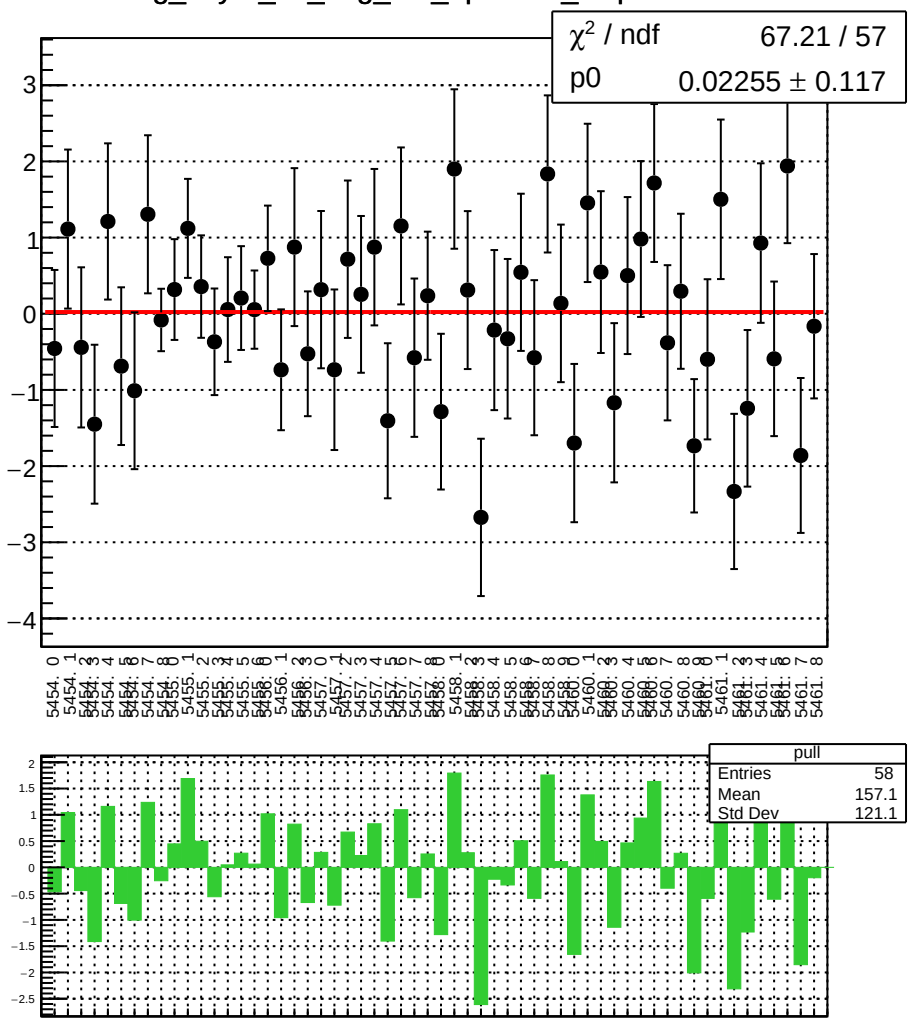

pull1D
Entries 58
Mean 0.01616
Std Dev 1.256

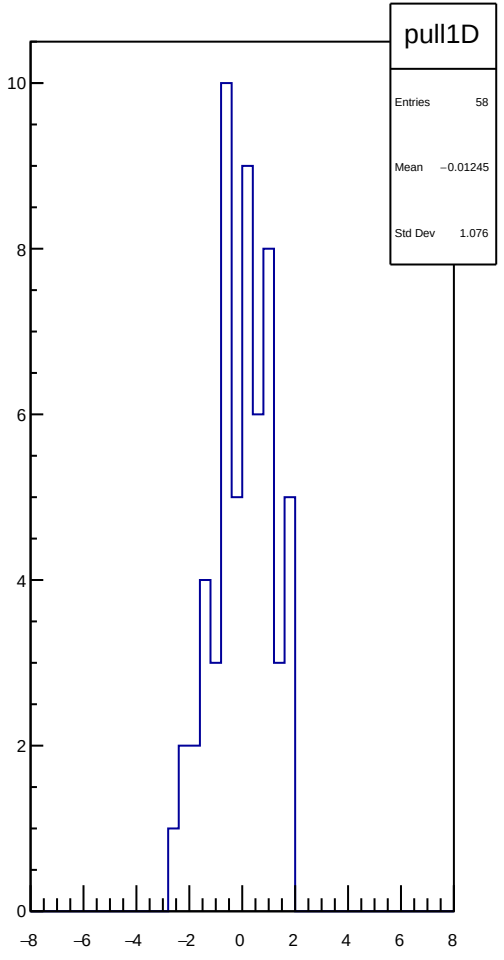

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.2 / 57
p0 −0.01224 ± 0.09618
pull
Entries 58
Mean 102
Std Dev 64.94

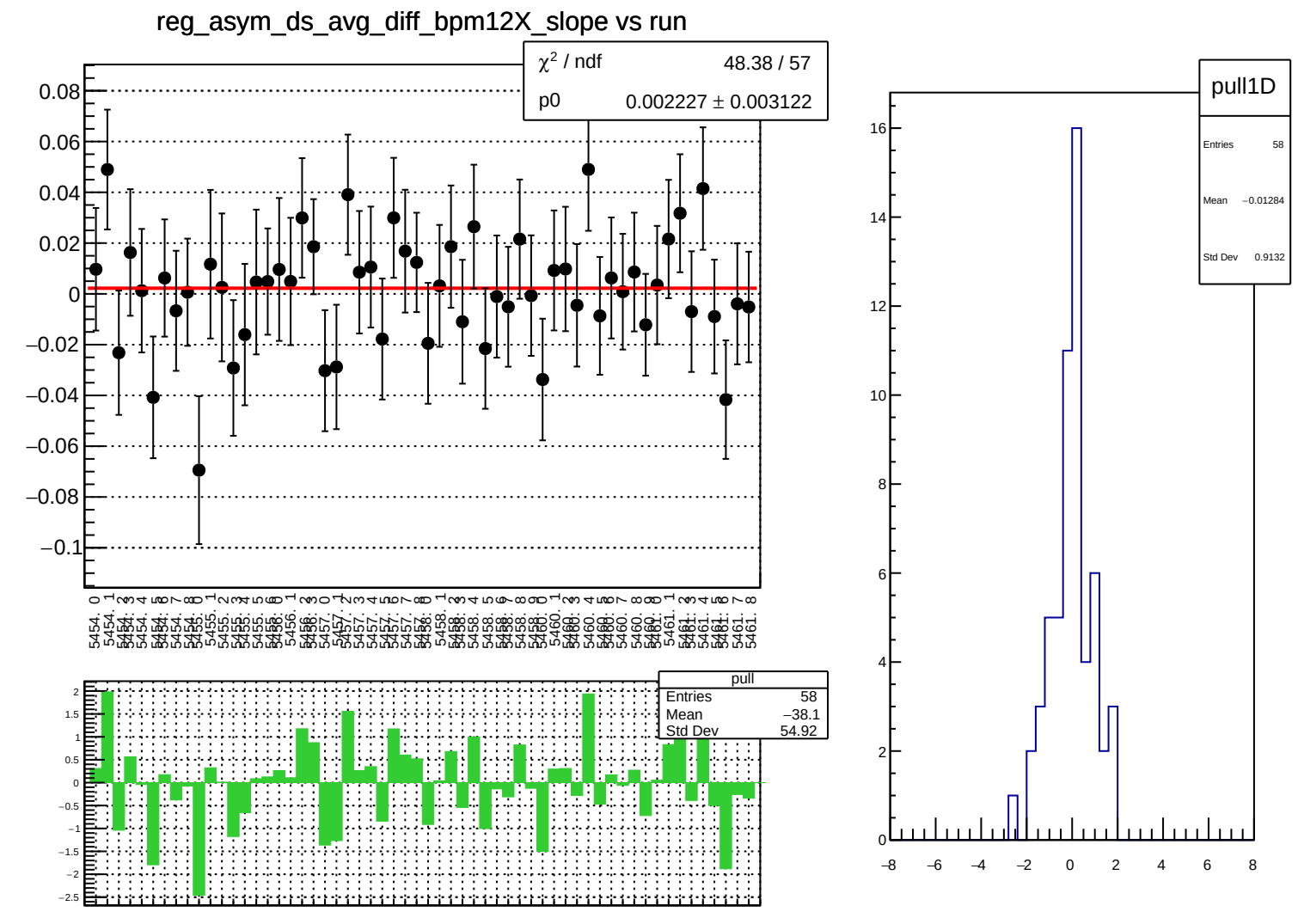

pull1D
Entries 58
Mean 0.02066
Std Dev 1.044

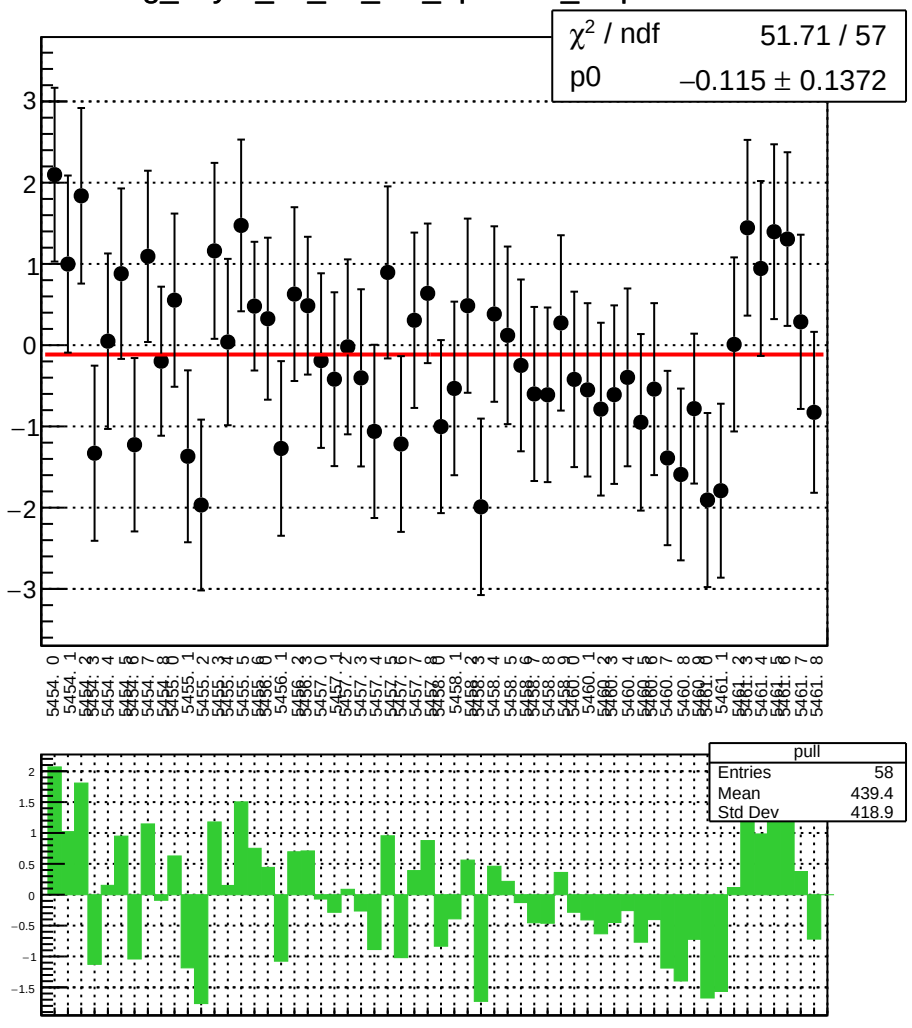

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.91 / 57
p0 −0.1021± 0.1324
pull
Entries 58
Mean 61.22
Std Dev 32.89

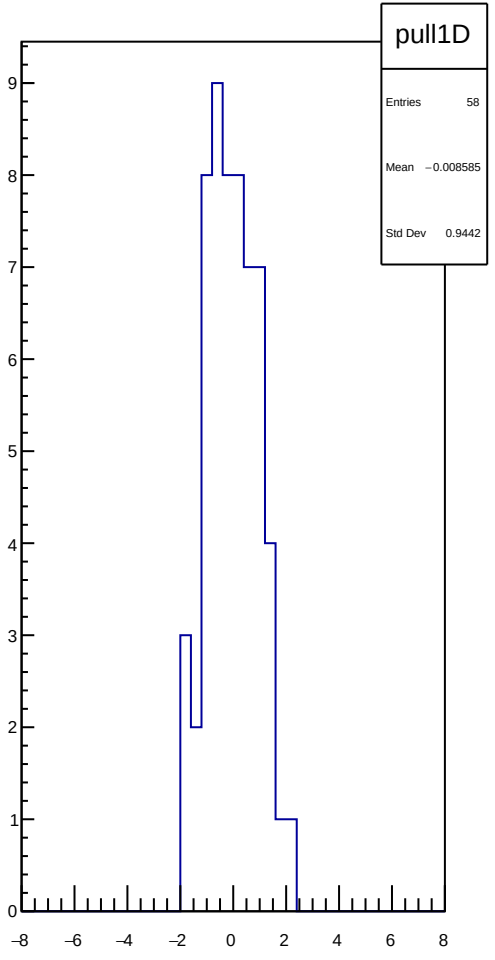

pull1D
Entries 58
Mean −0.01623
Std Dev 1.252

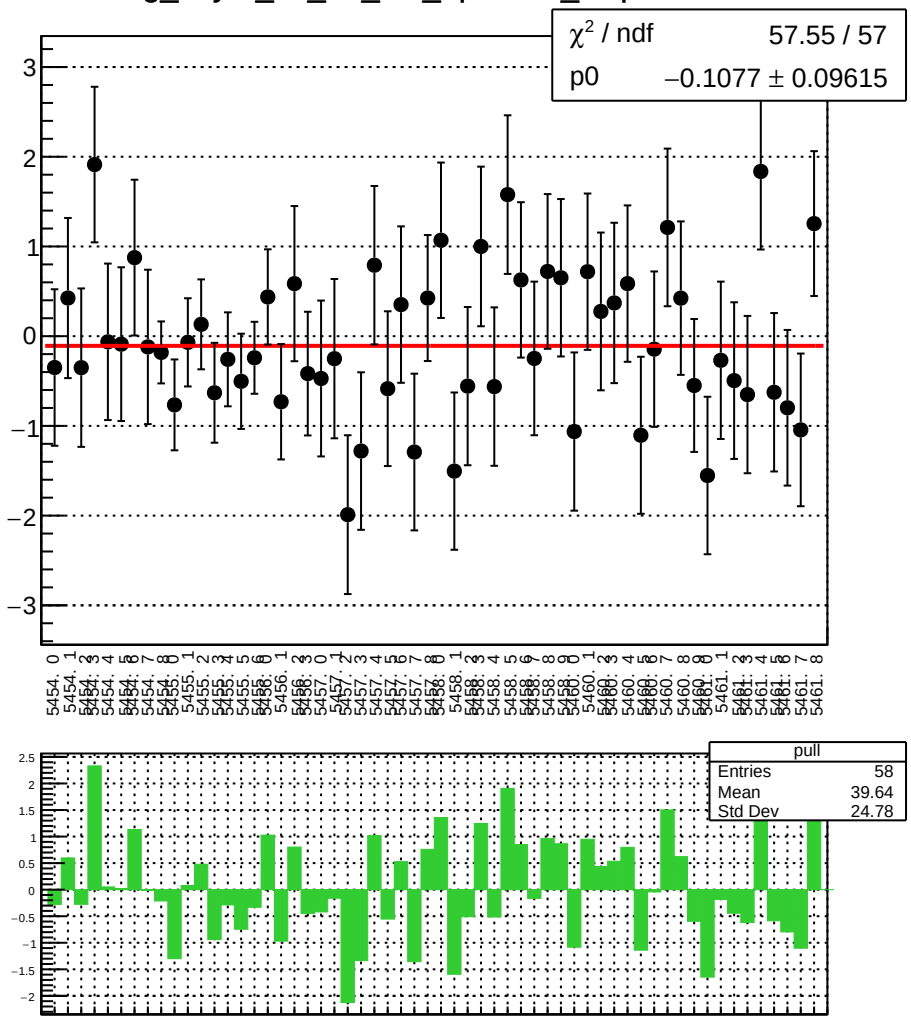

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 67.21 / 57
p0 0.02255 ± 0.117
pull
Entries 58
Mean 157.1
Std Dev 121.1

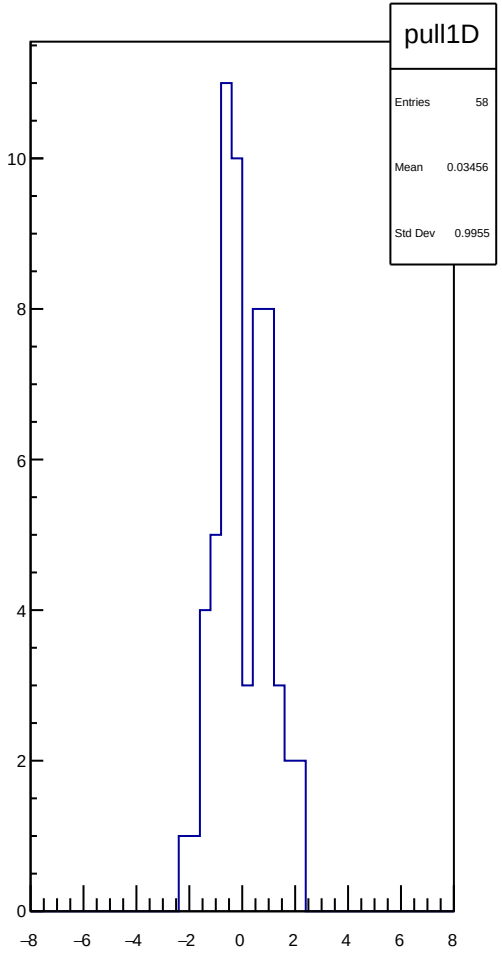

pull1D
Entries 58
Mean −0.01245
Std Dev 1.076

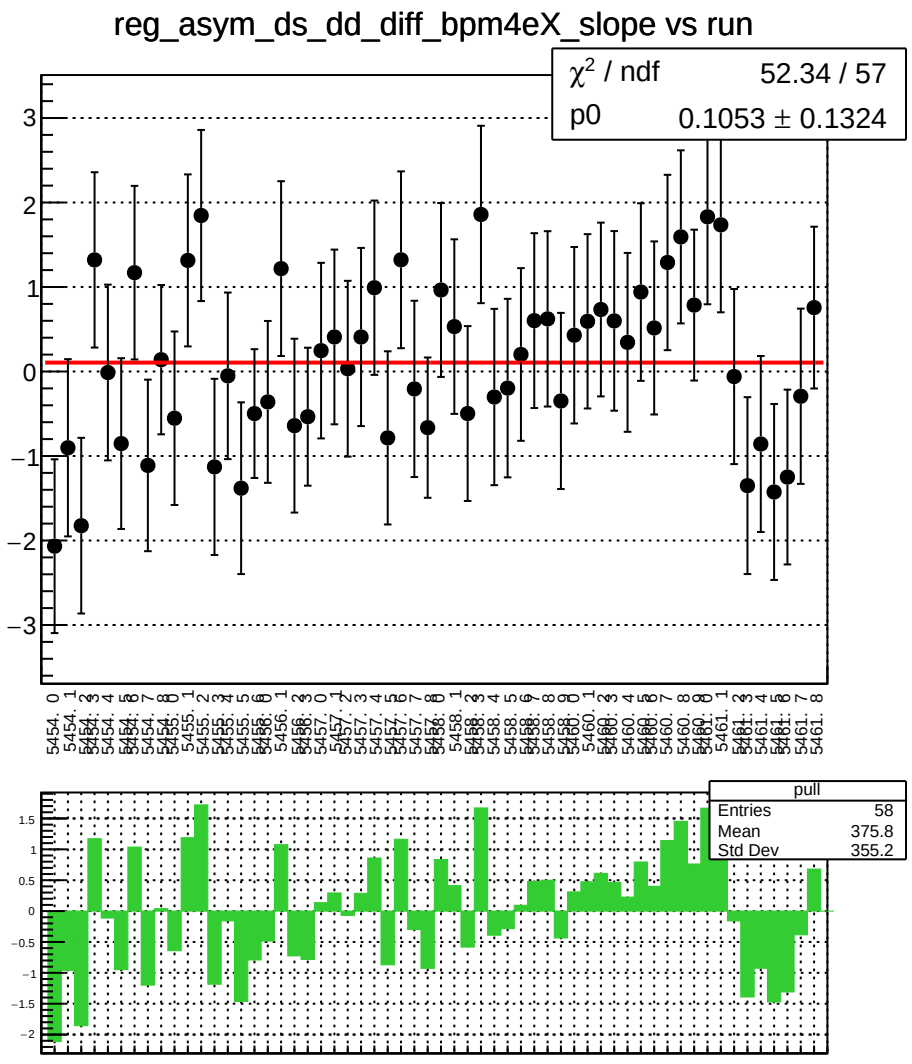

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 48.38 / 57
p0 0.002227 ± 0.003122
pull
Entries 58
Mean −38.1
Std Dev 54.92
pull1D
Entries 58
Mean −0.01284
Std Dev 0.9132

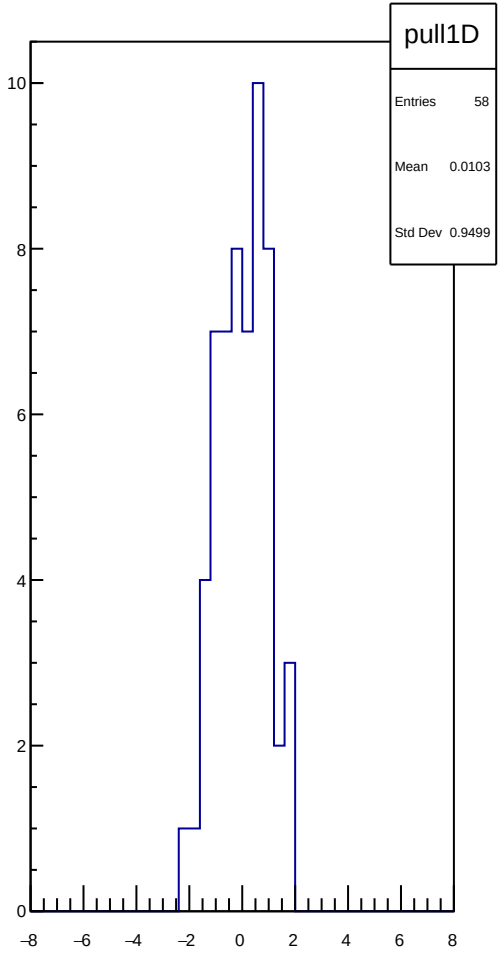

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 51.71 / 57
p0 −0.115 ± 0.1372
pull
Entries 58
Mean 439.4
Std Dev 418.9

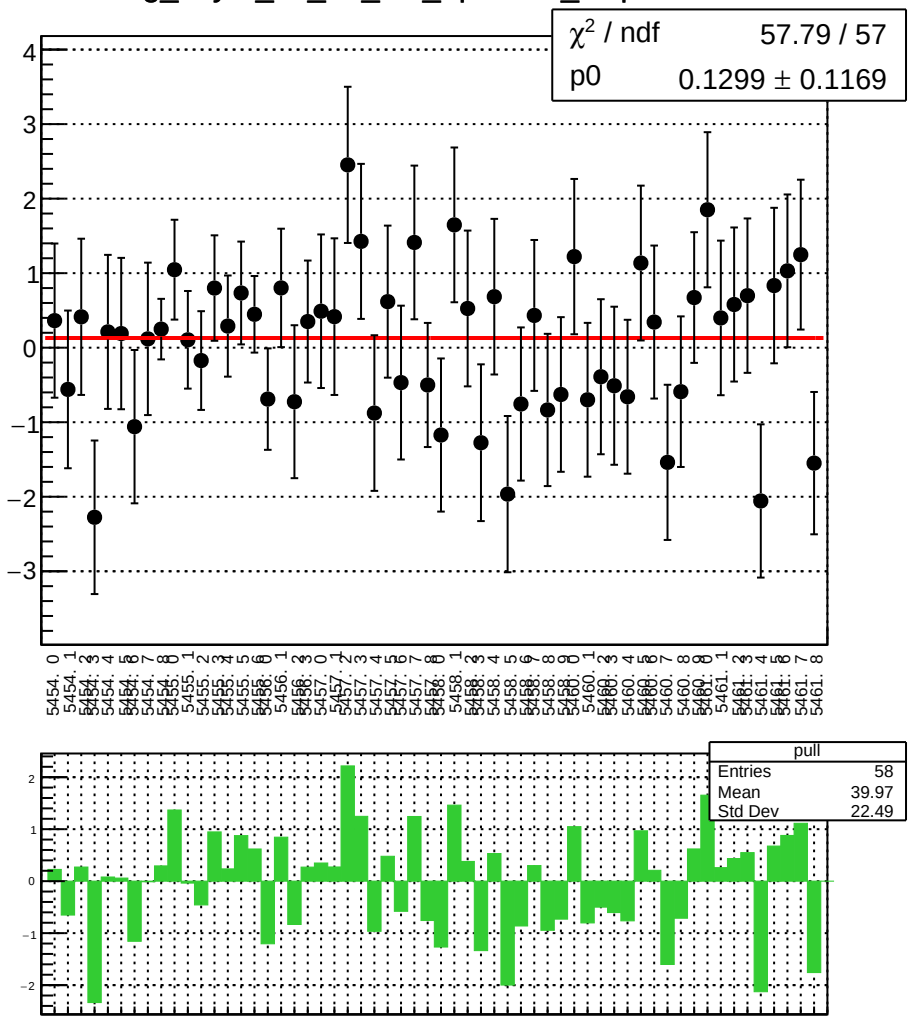

pull1D
Entries 58
Mean −0.008585
Std Dev 0.9442

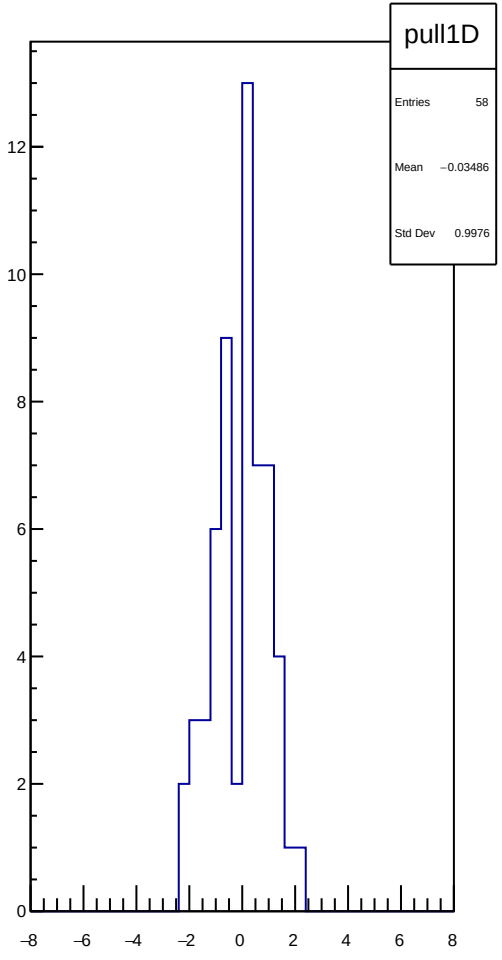

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.55 / 57
p0 −0.1077 ± 0.09615
pull
Entries 58
Mean 39.64
Std Dev 24.78

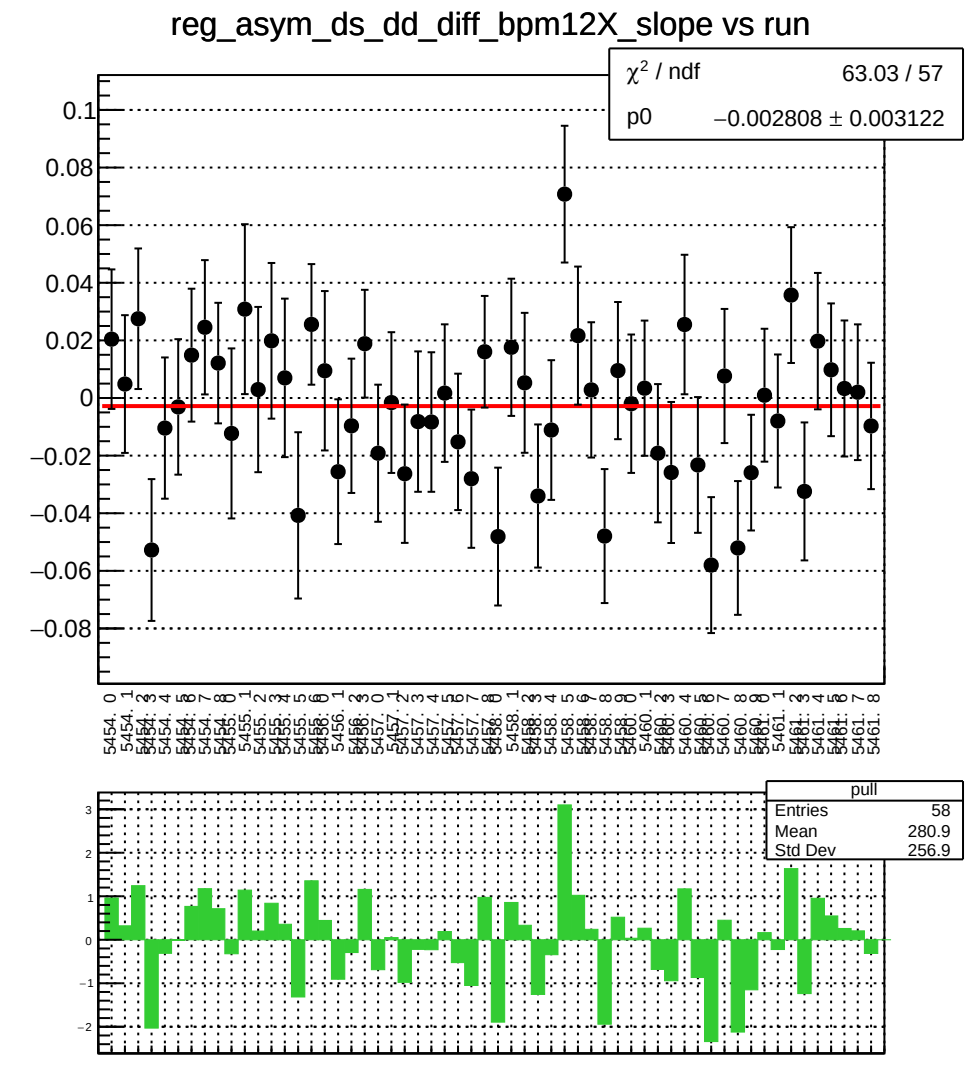

pull1D
Entries 58
Mean 0.03456
Std Dev 0.9955

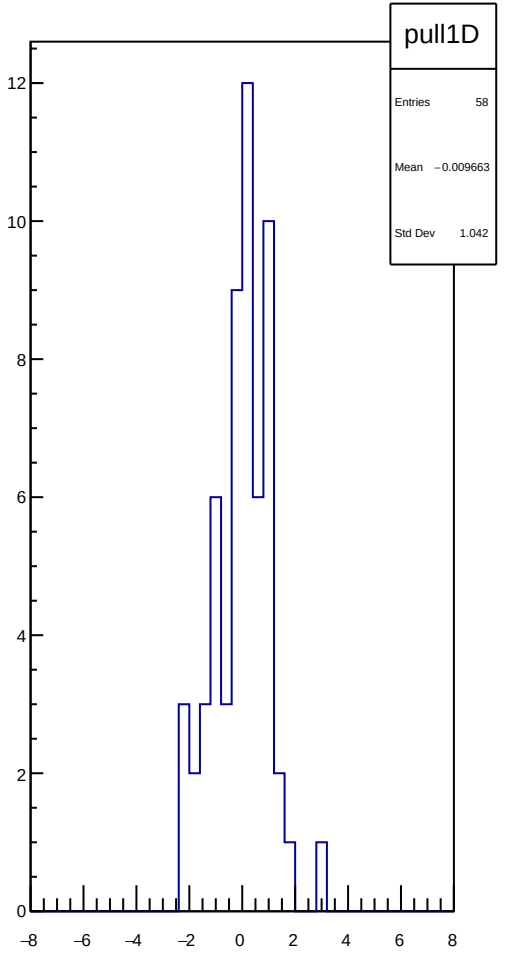

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.34 / 57
p0 0.1053 ± 0.1324
pull
Entries 58
Mean 375.8
Std Dev 355.2

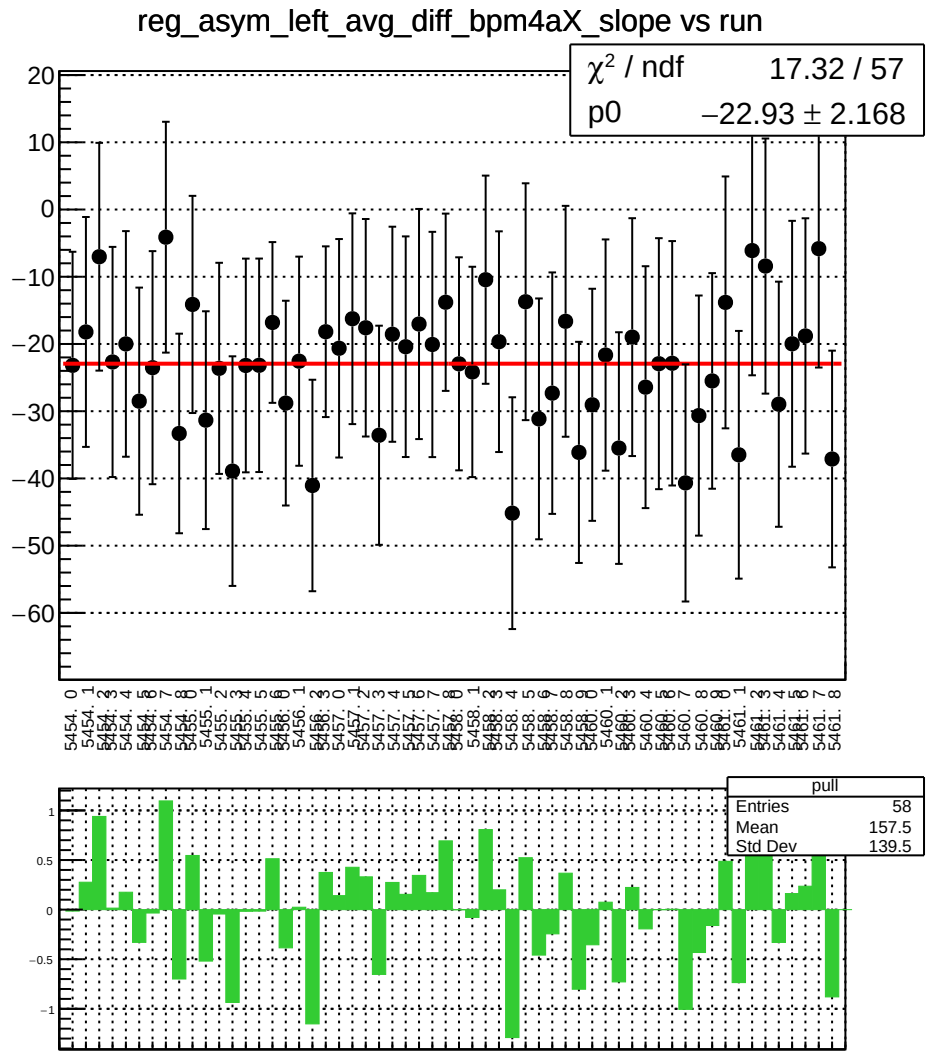

pull1D
Entries 58
Mean 0.0103
Std Dev 0.9499

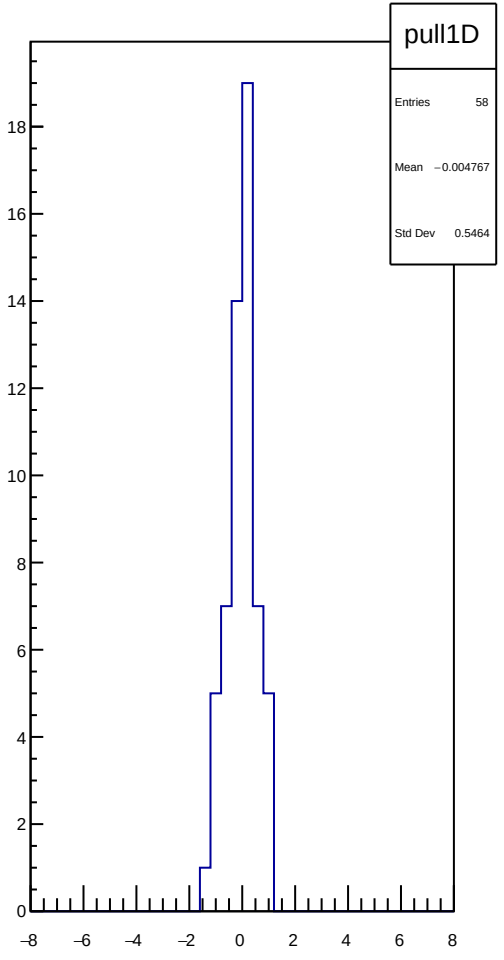

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.79 / 57
p0 0.1299 ± 0.1169
pull
Entries 58
Mean 39.97
Std Dev 22.49

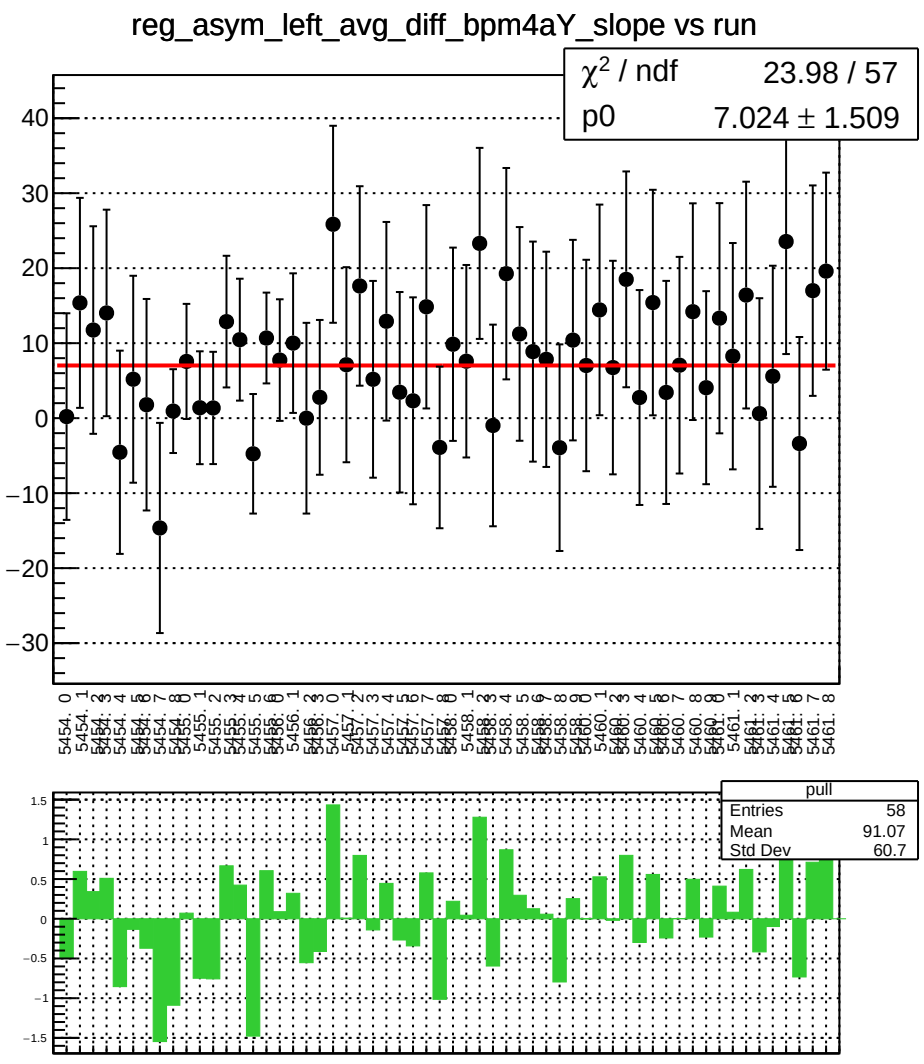

pull1D
Entries 58
Mean −0.03486
Std Dev 0.9976

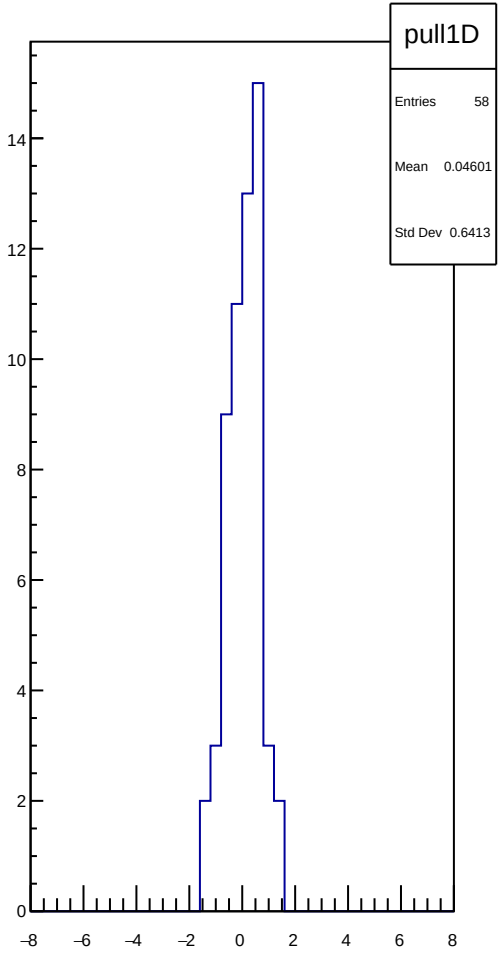

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 63.03 / 57
p0 −0.002808 ± 0.003122
pull
Entries 58
Mean 280.9
Std Dev 256.9

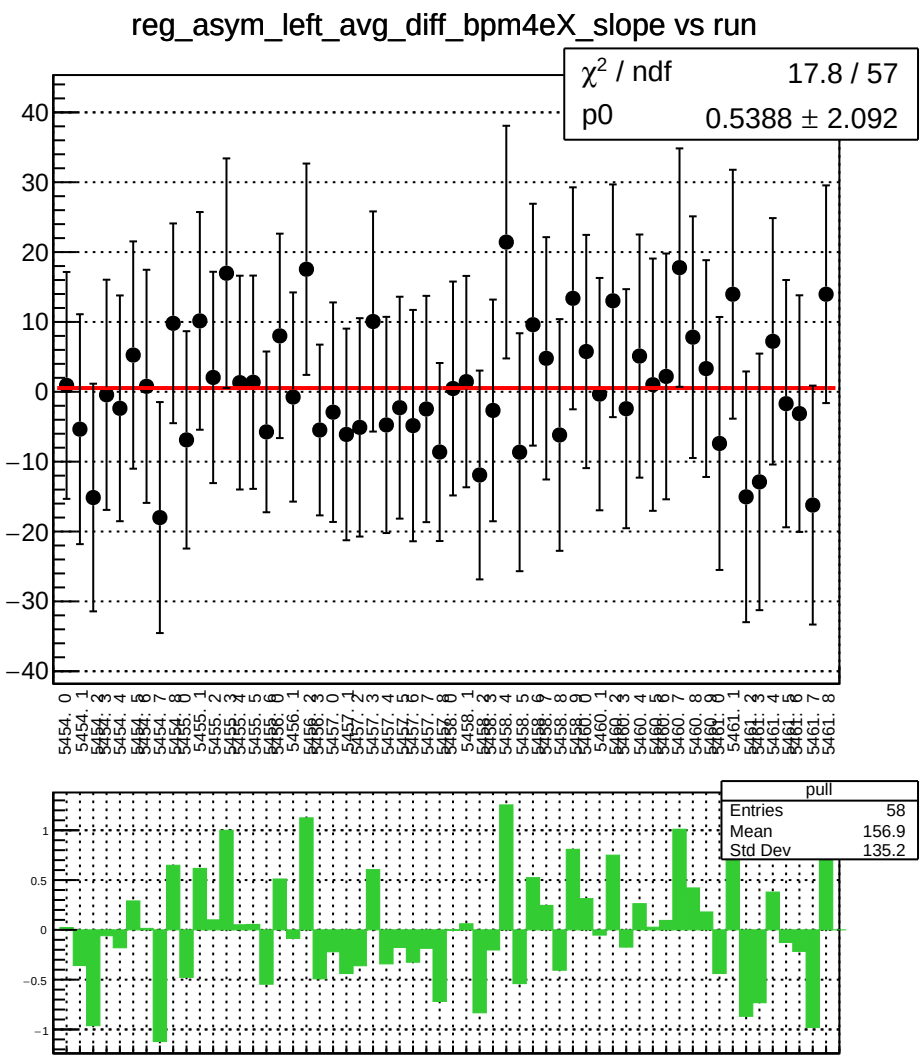

pull1D
Entries 58
Mean −0.009663
Std Dev 1.042

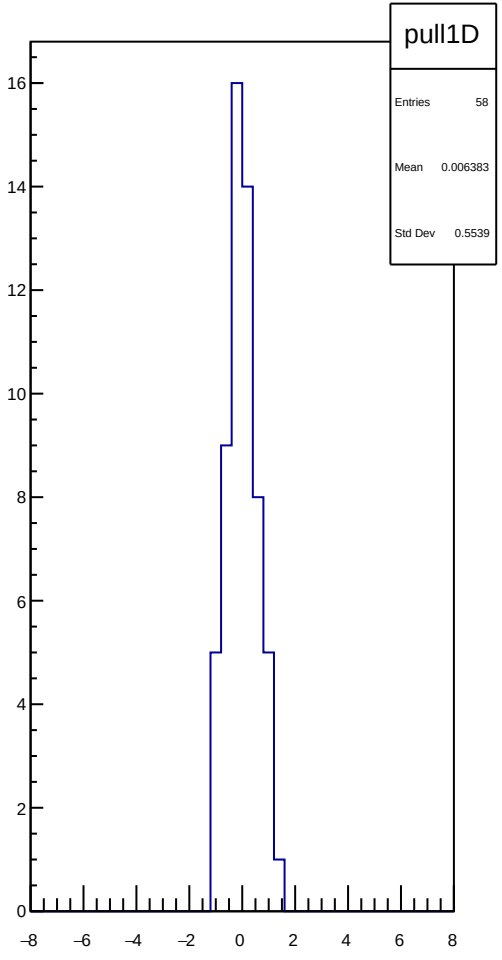

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 17.32 / 57
p0 −22.93 ± 2.168
pull
Entries 58
Mean 157.5
Std Dev 139.5

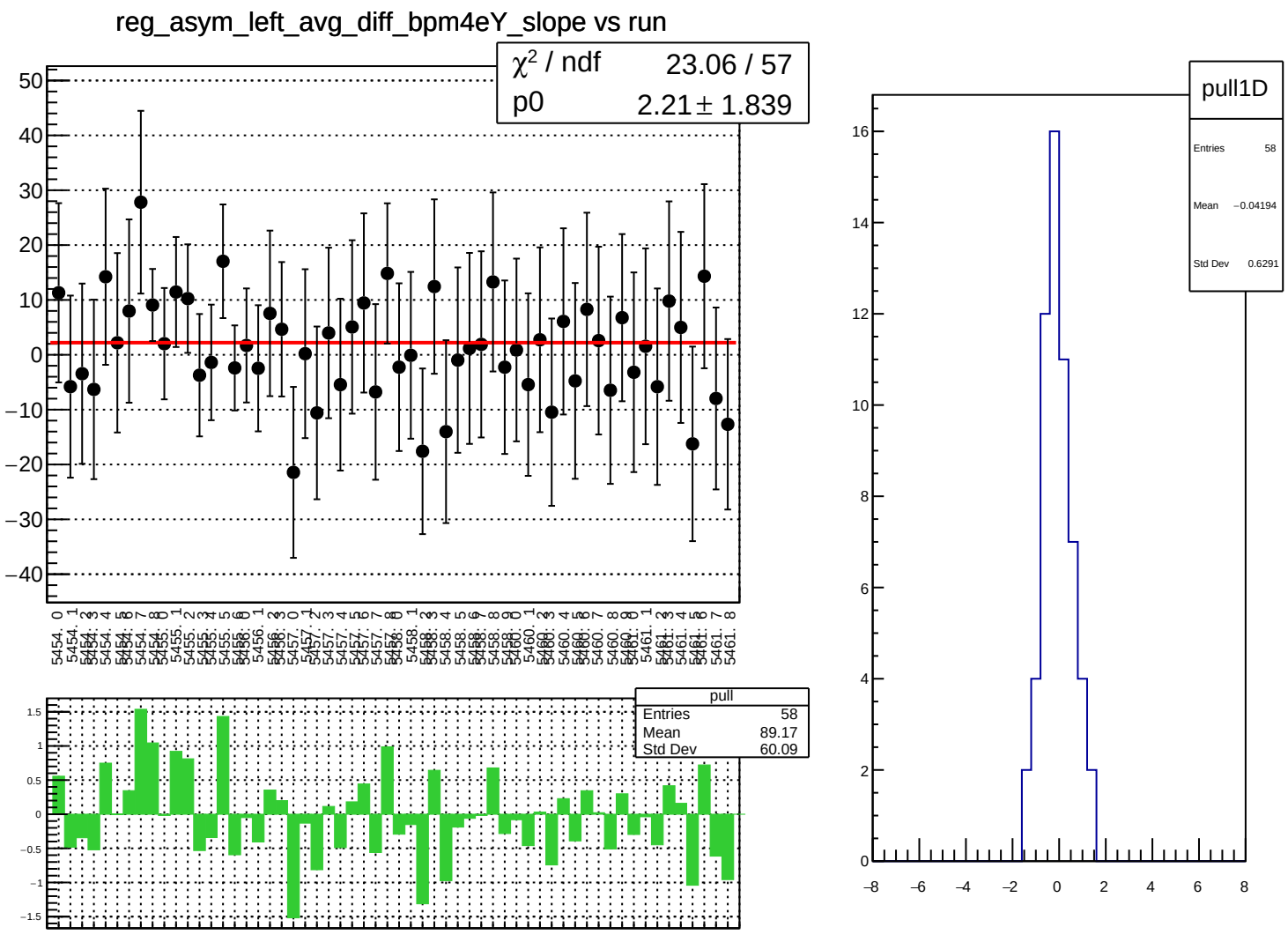

pull1D
Entries 58
Mean −0.004767
Std Dev 0.5464

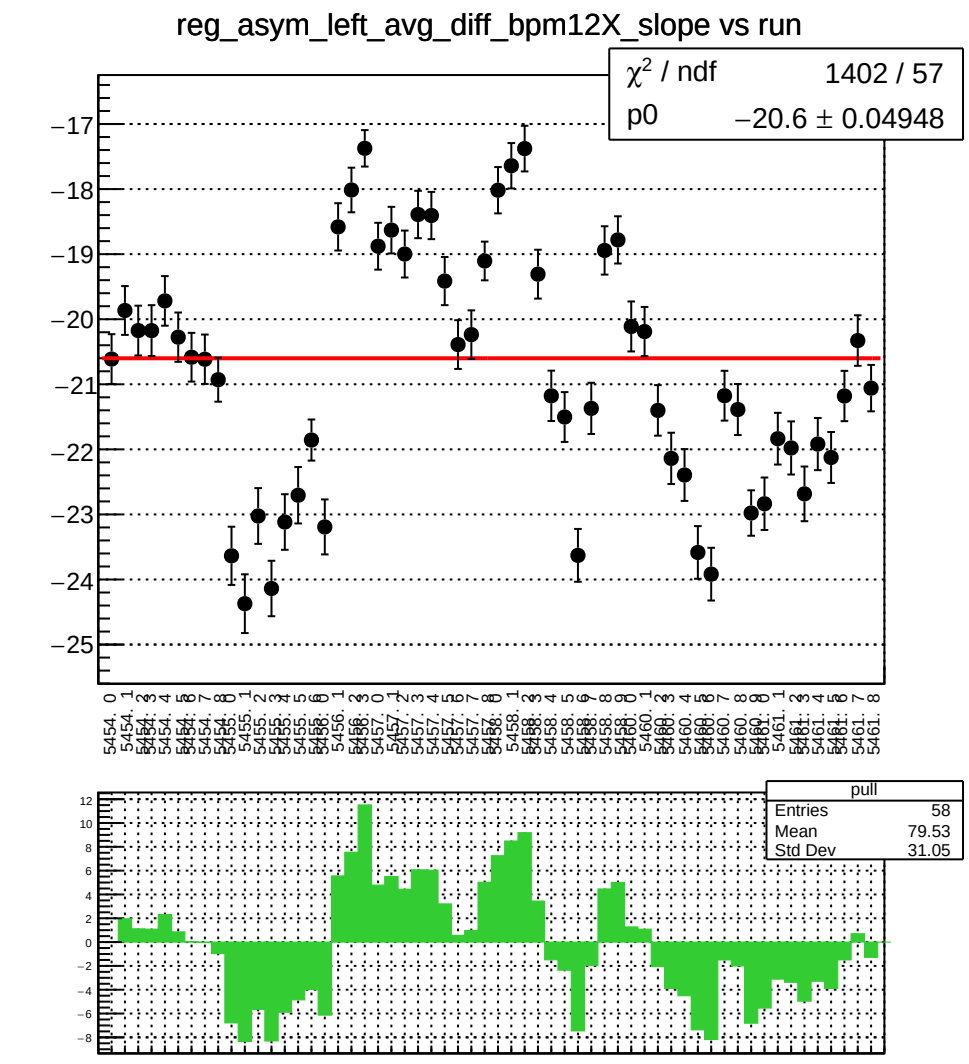

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.98 / 57
p0 7.024 ± 1.509
pull
Entries 58
Mean 91.07
Std Dev 60.7

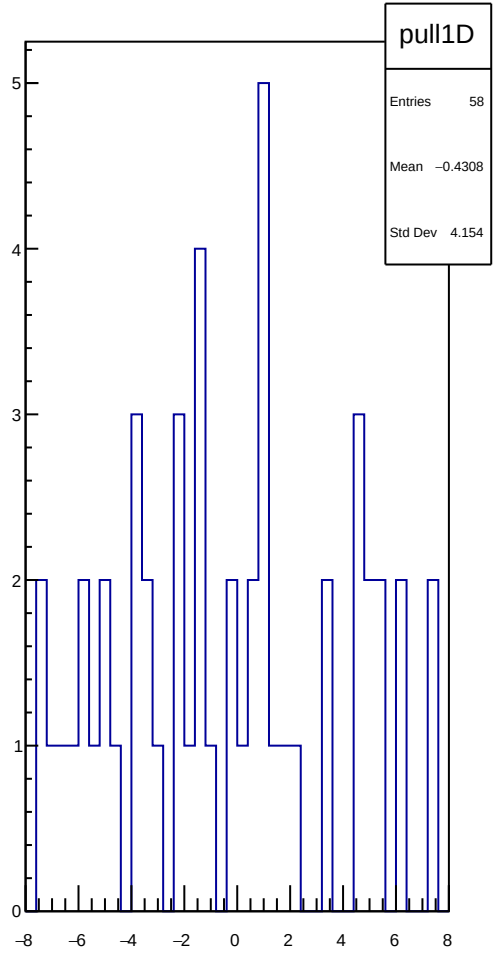

pull1D
Entries 58
Mean 0.04601
Std Dev 0.6413

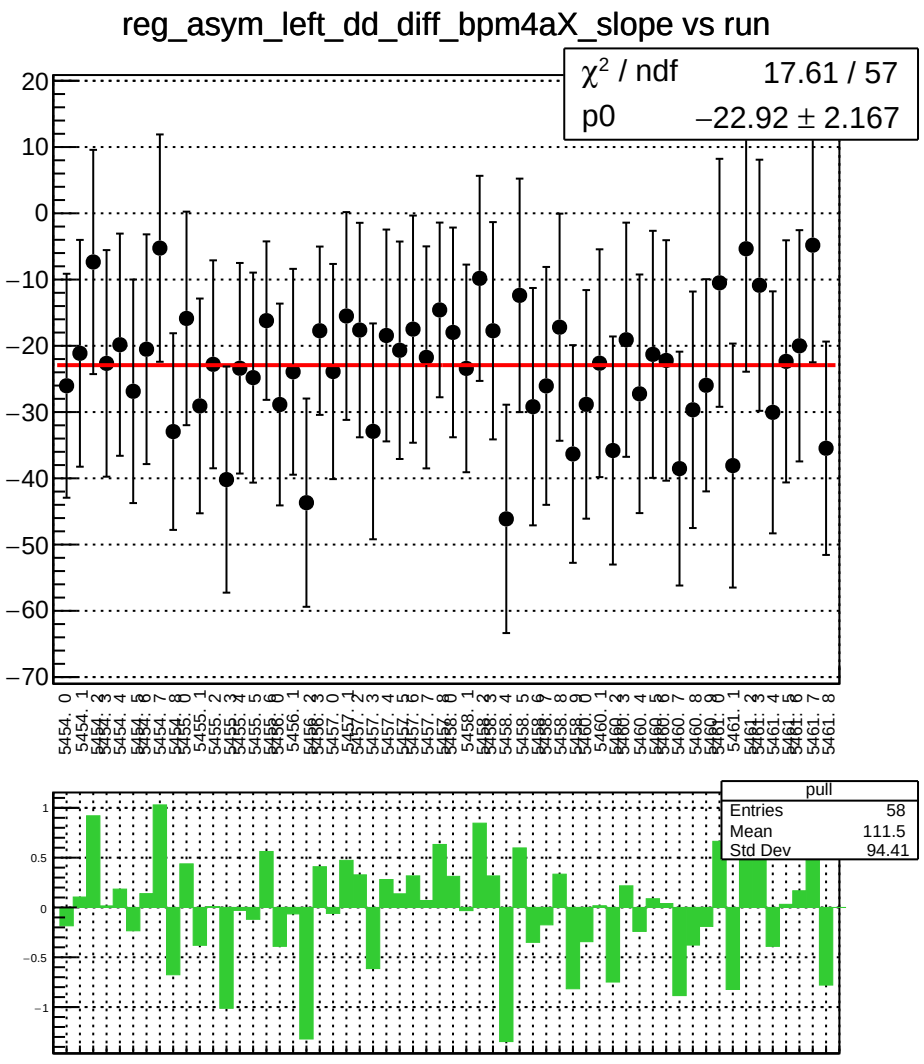

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.8 / 57
p0 0.5388 ± 2.092
pull
Entries 58
Mean 156.9
Std Dev 135.2

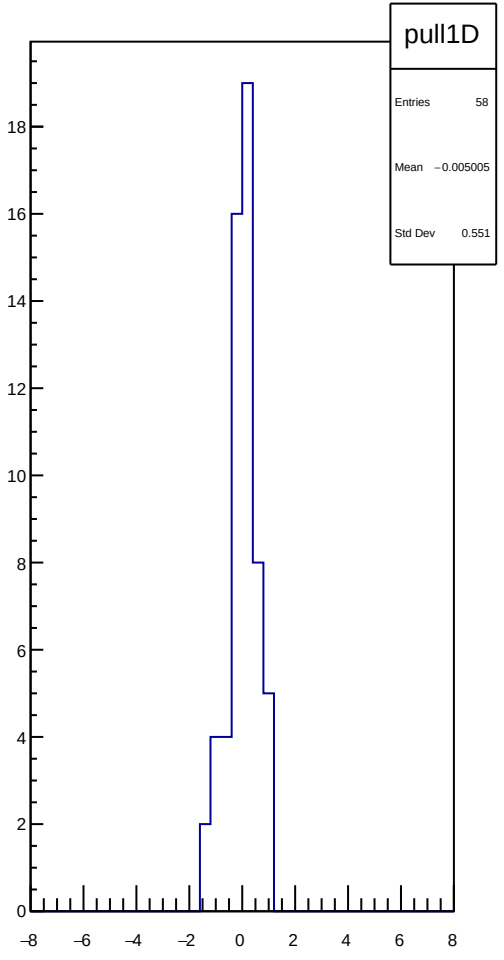

pull1D
Entries 58
Mean 0.006383
Std Dev 0.5539

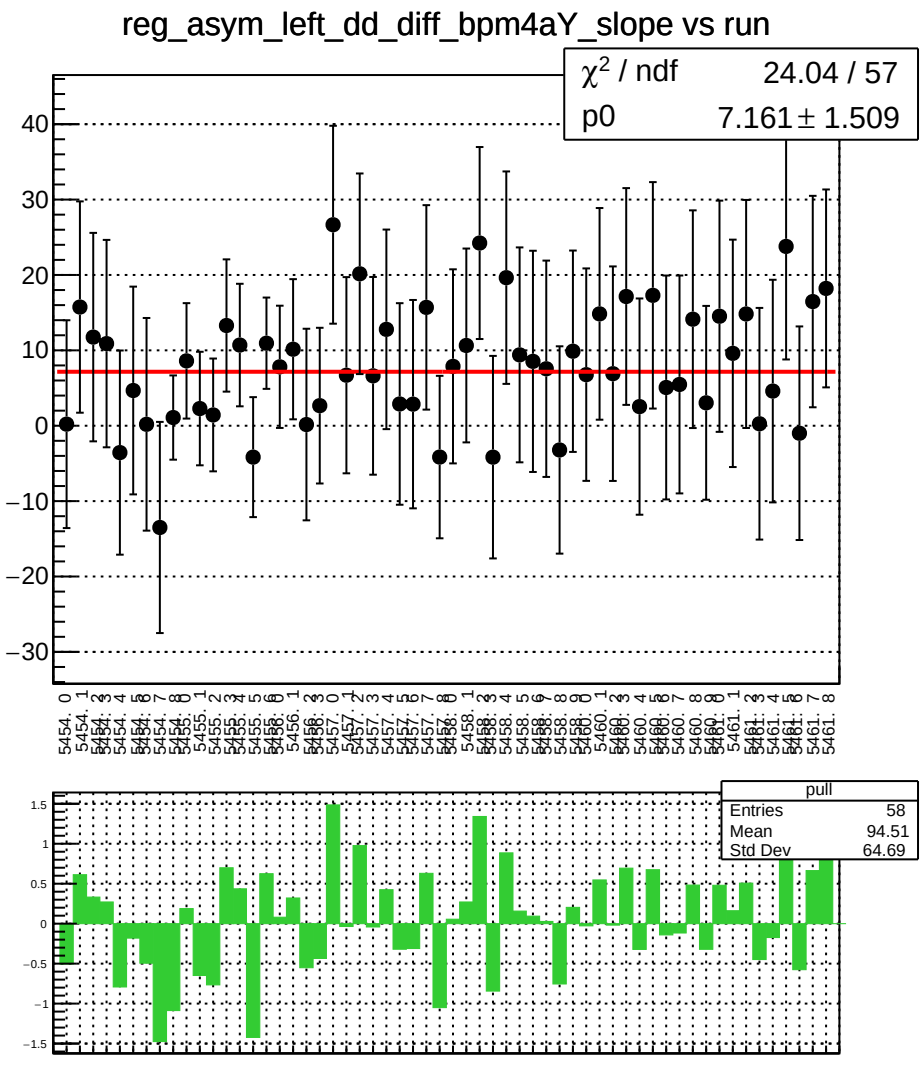

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.06 / 57
p0 2.21 ± 1.839
pull
Entries 58
Mean 89.17
Std Dev 60.09
pull1D
Entries 58
Mean −0.04194
Std Dev 0.6291

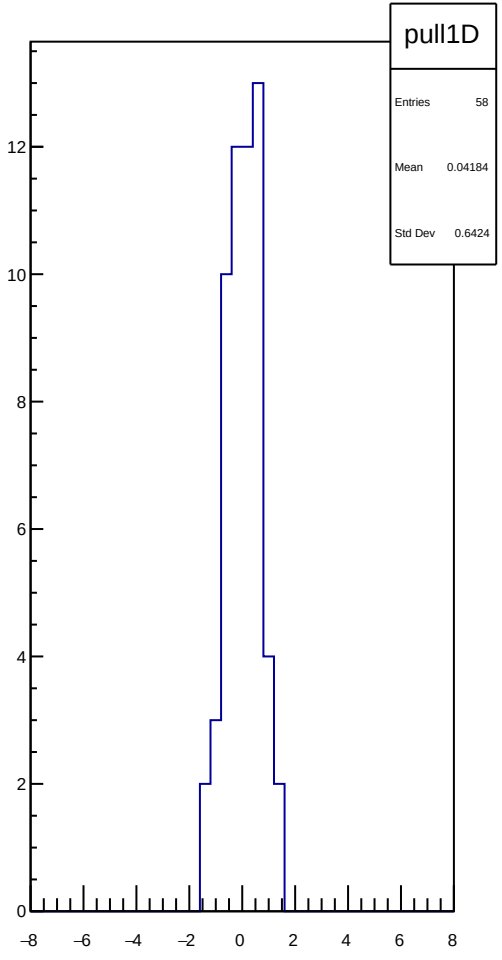

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 1402 / 57
p0 −20.6 ± 0.04948
pull
Entries 58
Mean 79.53
Std Dev 31.05

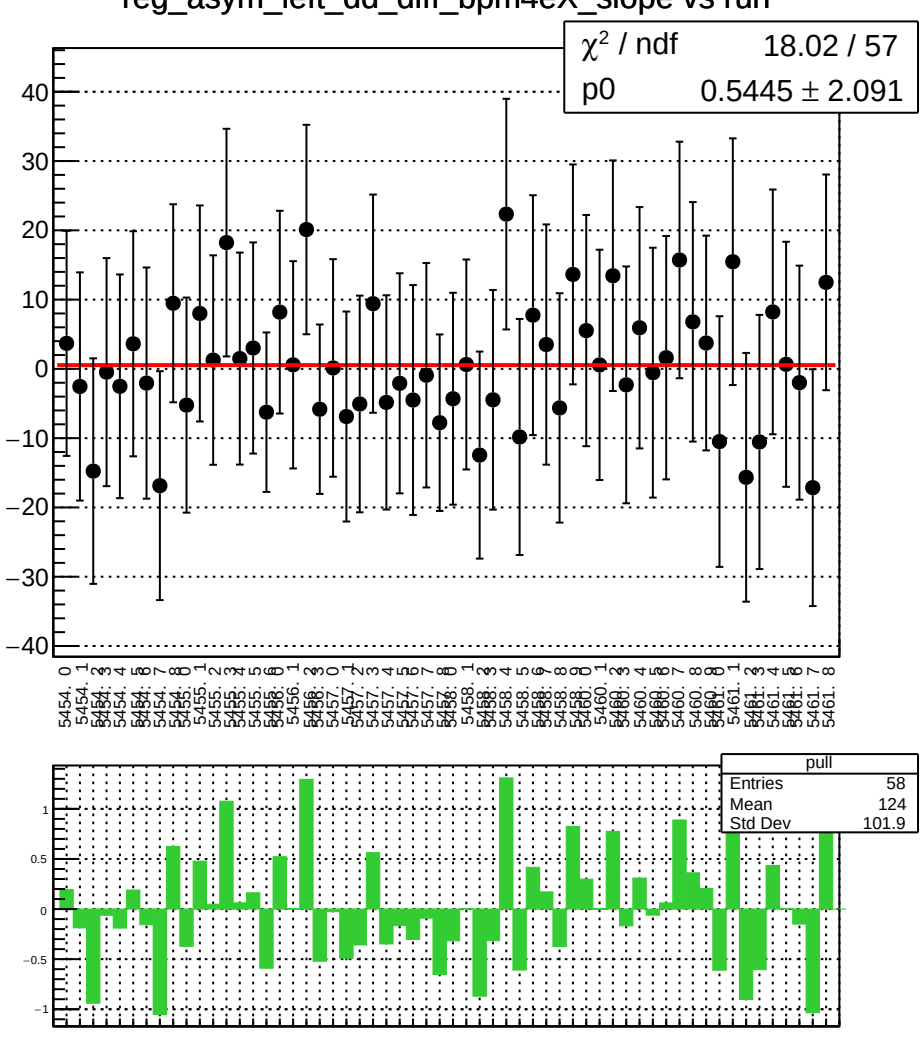

pull1D
Entries 58
Mean −0.4308
Std Dev 4.154

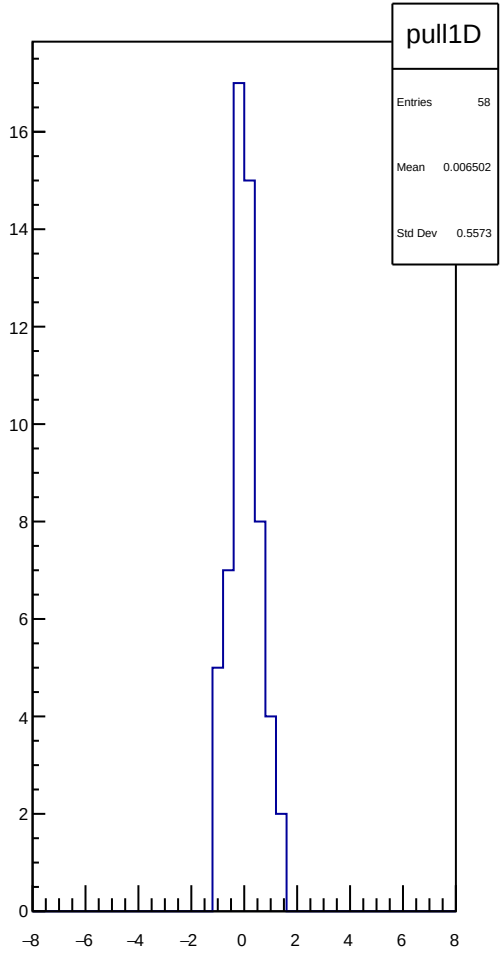

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.61 / 57
p0 −22.92 ± 2.167
pull
Entries 58
Mean 111.5
Std Dev 94.41

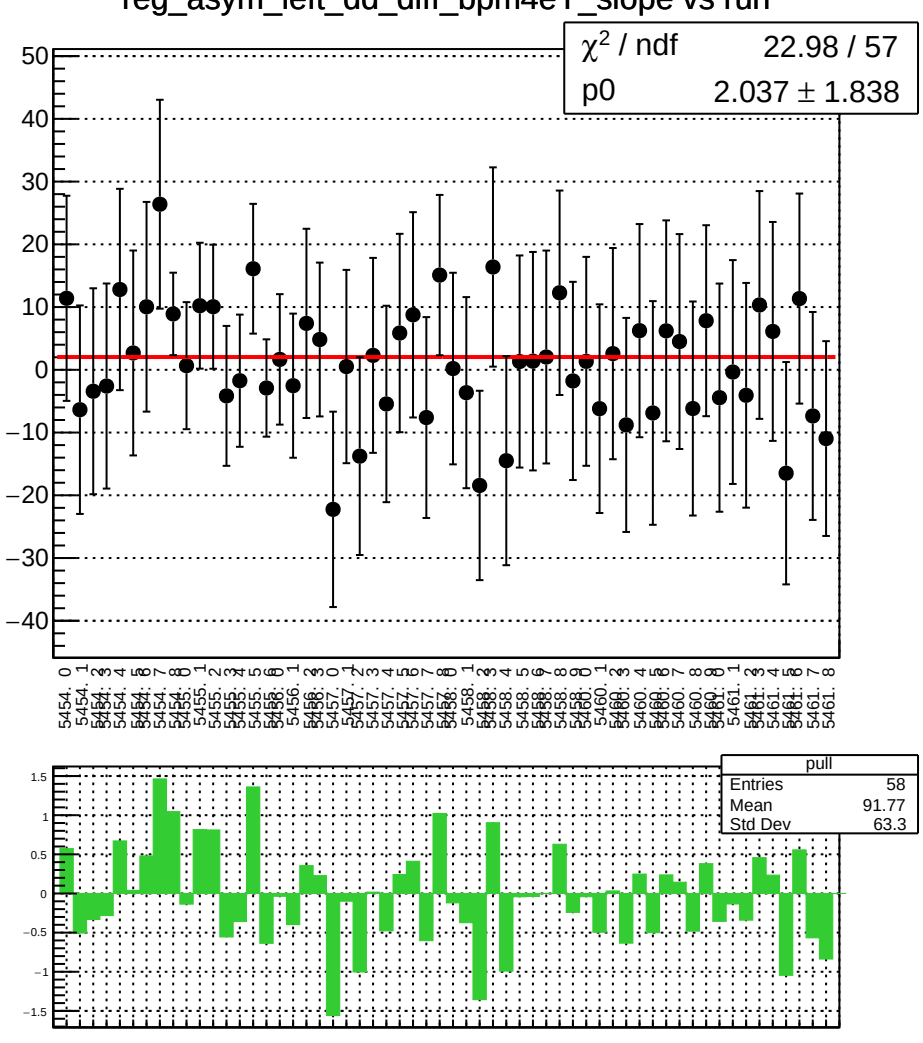

pull1D
Entries 58
Mean −0.005005
Std Dev 0.551

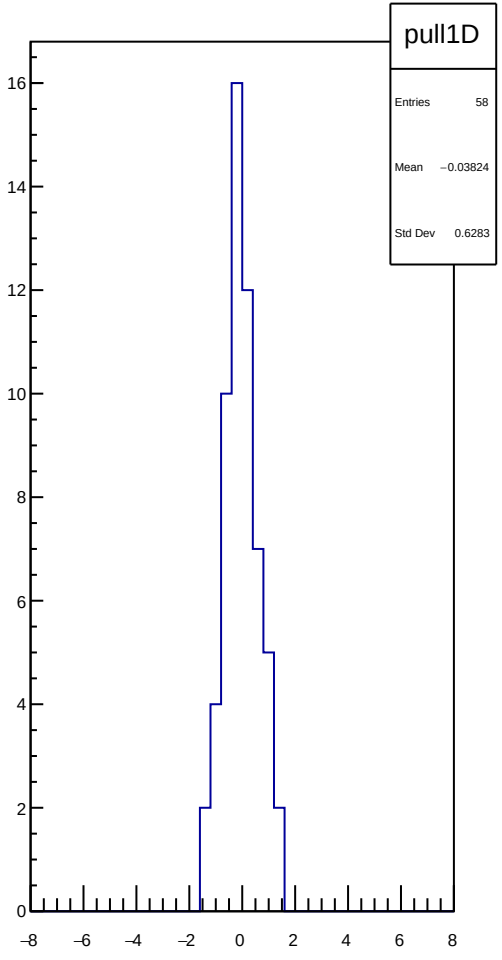

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.04 / 57
p0 7.161 ± 1.509
pull
Entries 58
Mean 94.51
Std Dev 64.69

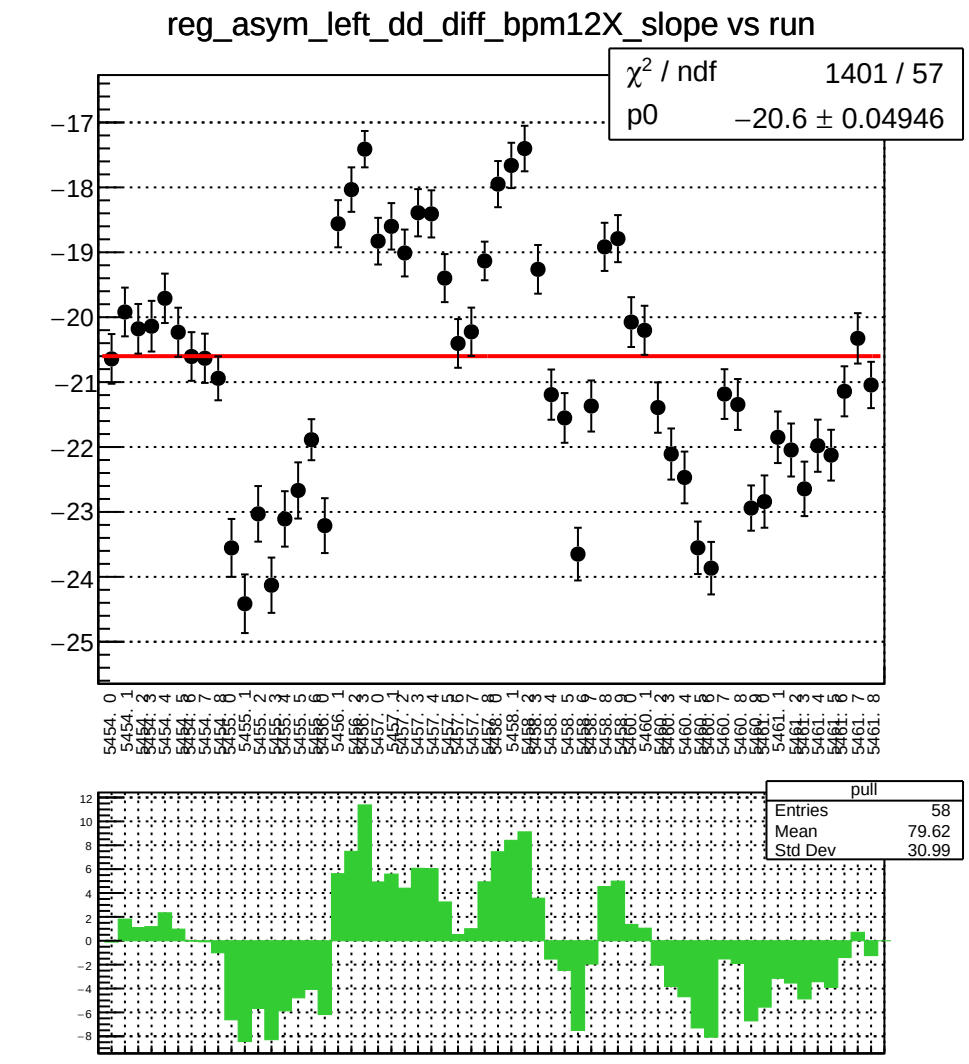

pull1D
Entries 58
Mean 0.04184
Std Dev 0.6424

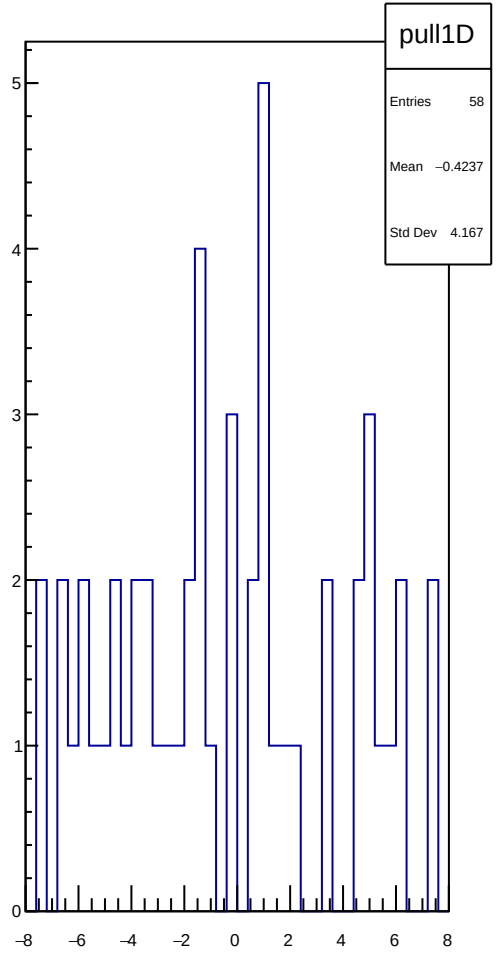

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.02 / 57
p0 0.5445 ± 2.091
pull
Entries 58
Mean 124
Std Dev 101.9

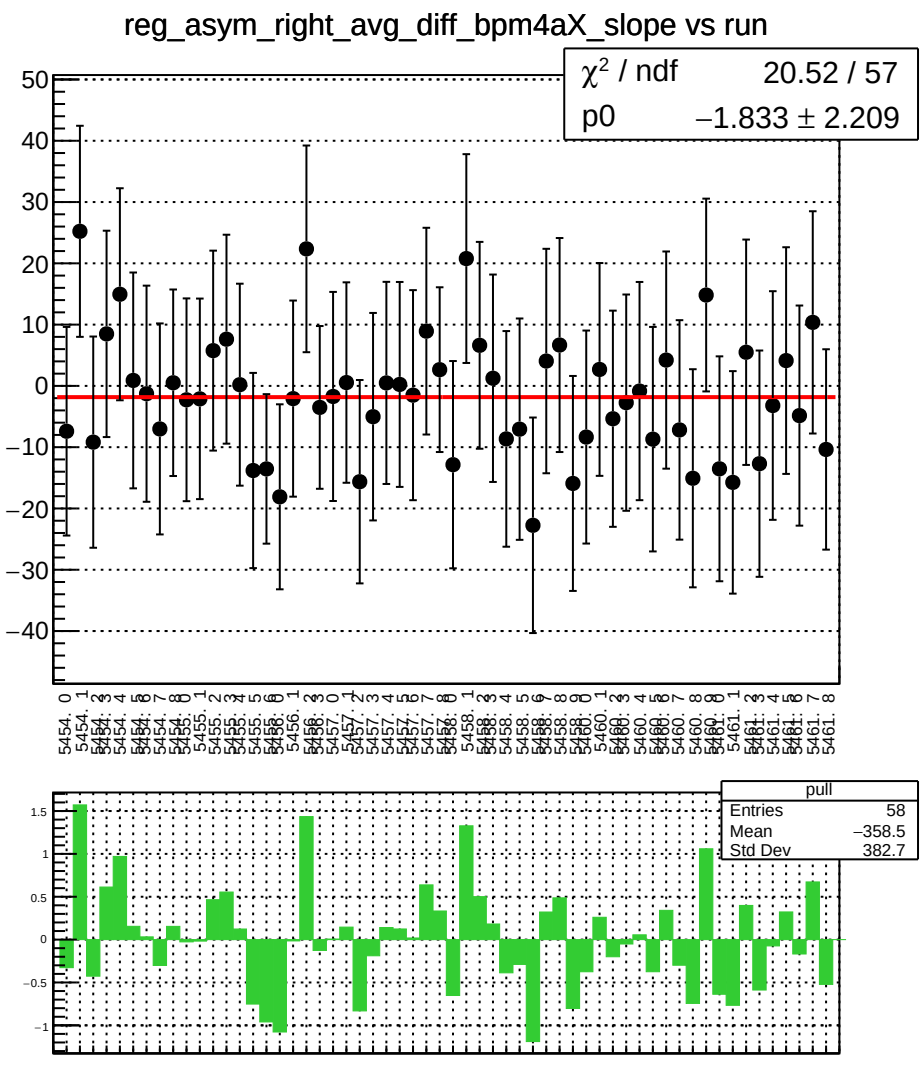

pull1D
Entries 58
Mean 0.006502
Std Dev 0.5573

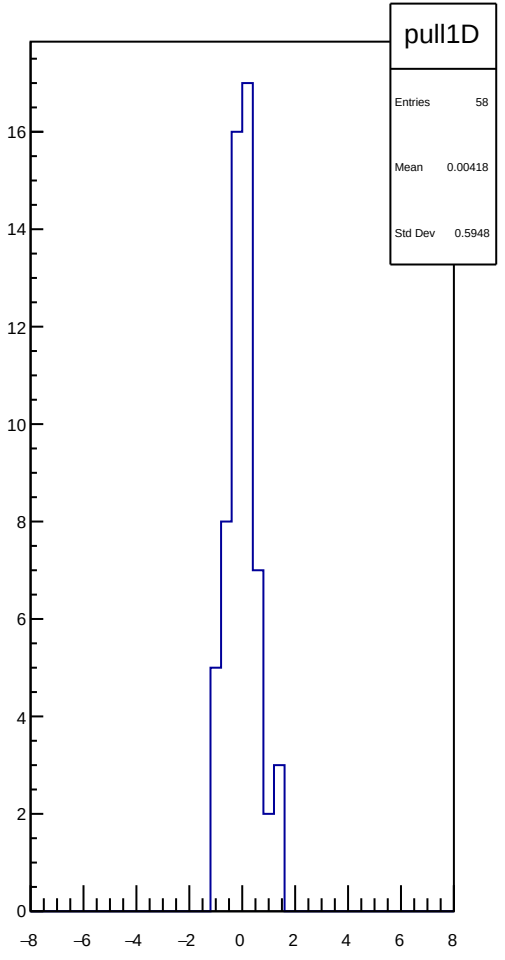

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.98 / 57
p0 2.037 ± 1.838
pull
Entries 58
Mean 91.77
Std Dev 63.3

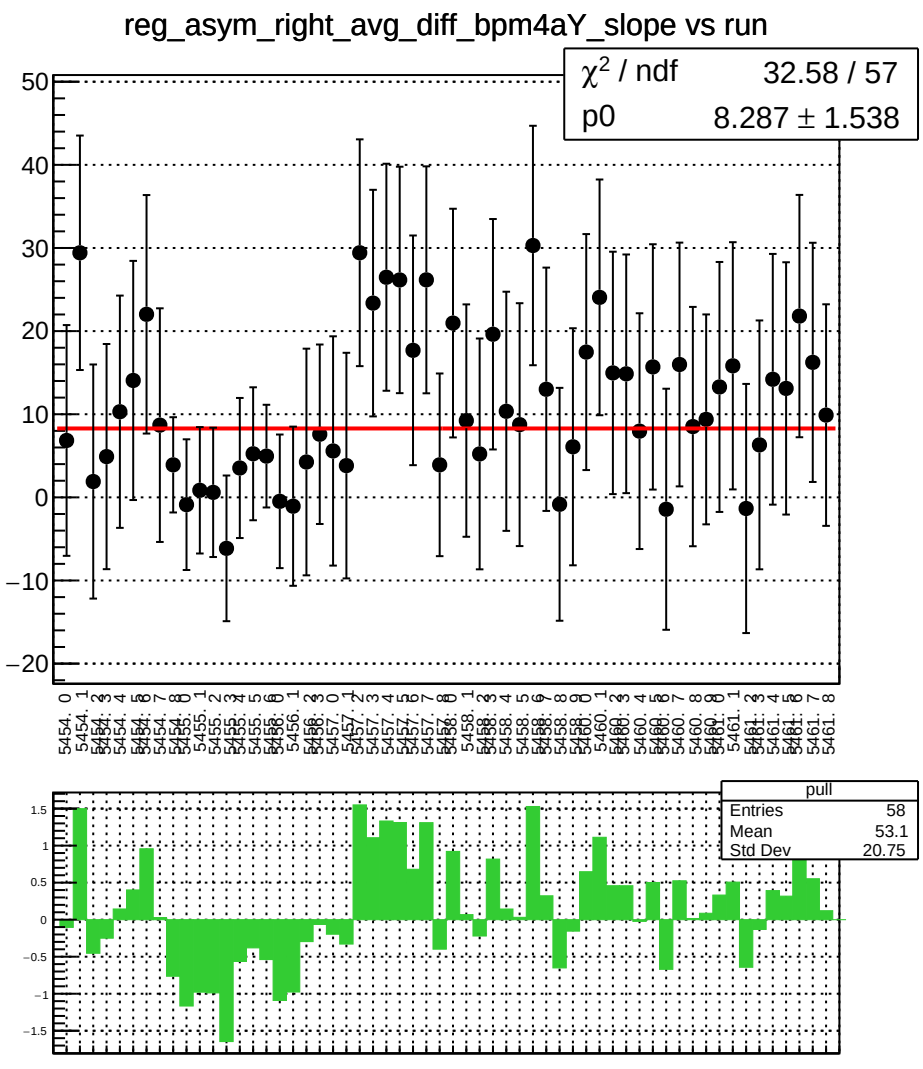

pull1D
Entries 58
Mean −0.03824
Std Dev 0.6283

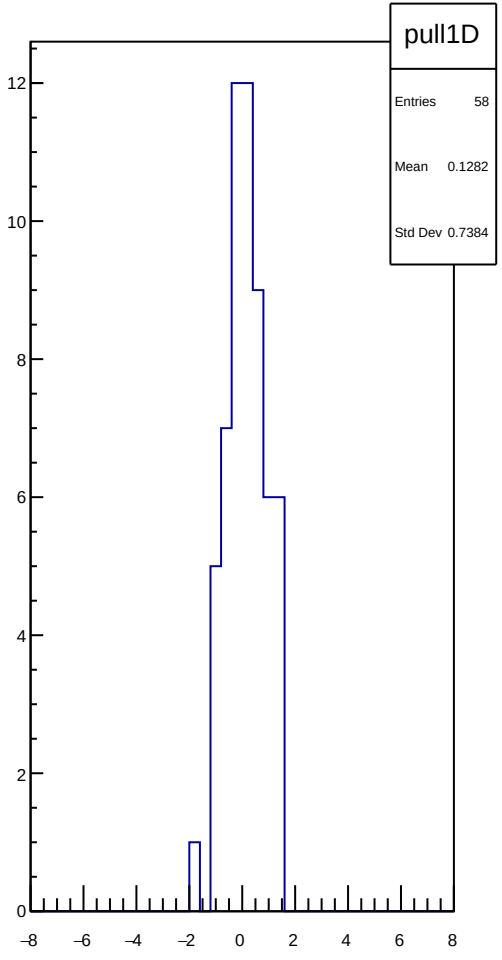

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 1401 / 57
p0 −20.6 ± 0.04946
pull
Entries 58
Mean 79.62
Std Dev 30.99

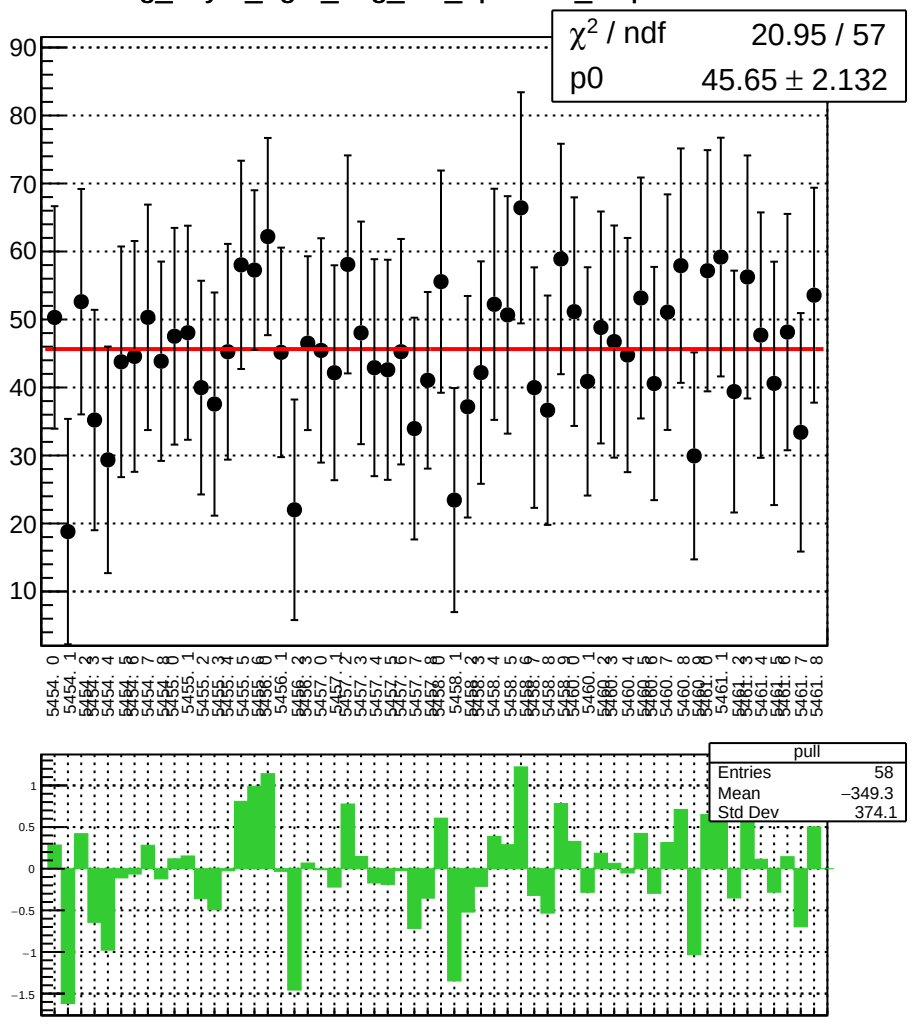

pull1D
Entries 58
Mean −0.4237
Std Dev 4.167

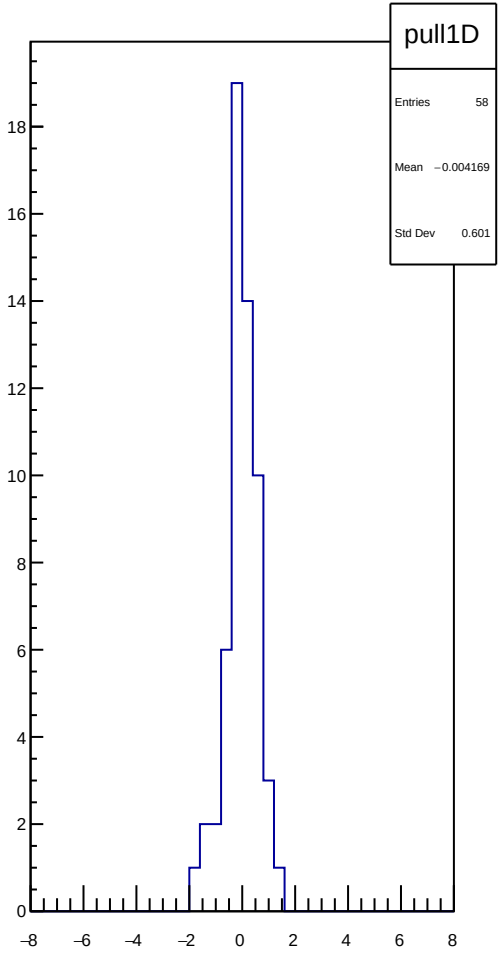

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 20.52 / 57
p0 −1.833 ± 2.209
pull
Entries 58
Mean −358.5
Std Dev 382.7

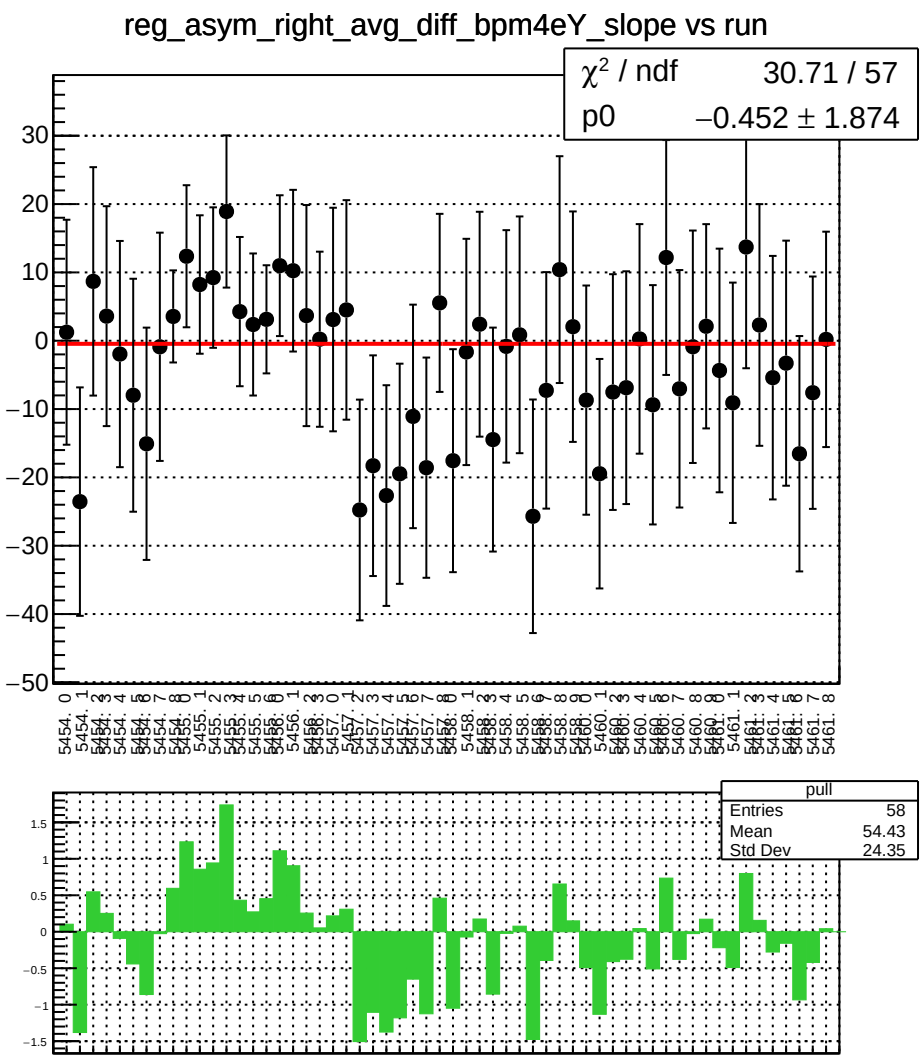

pull1D
Entries 58
Mean 0.00418
Std Dev 0.5948

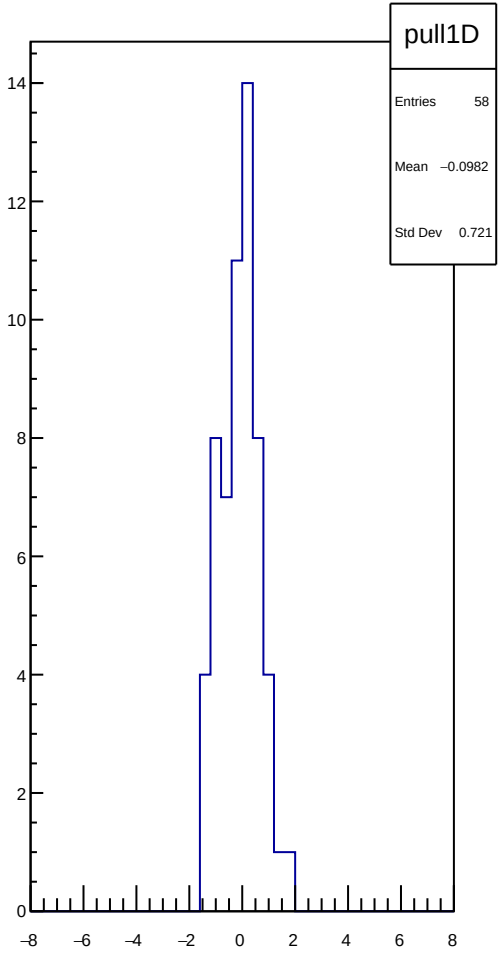

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.58 / 57
p0 8.287 ± 1.538
pull
Entries 58
Mean 53.1
Std Dev 20.75

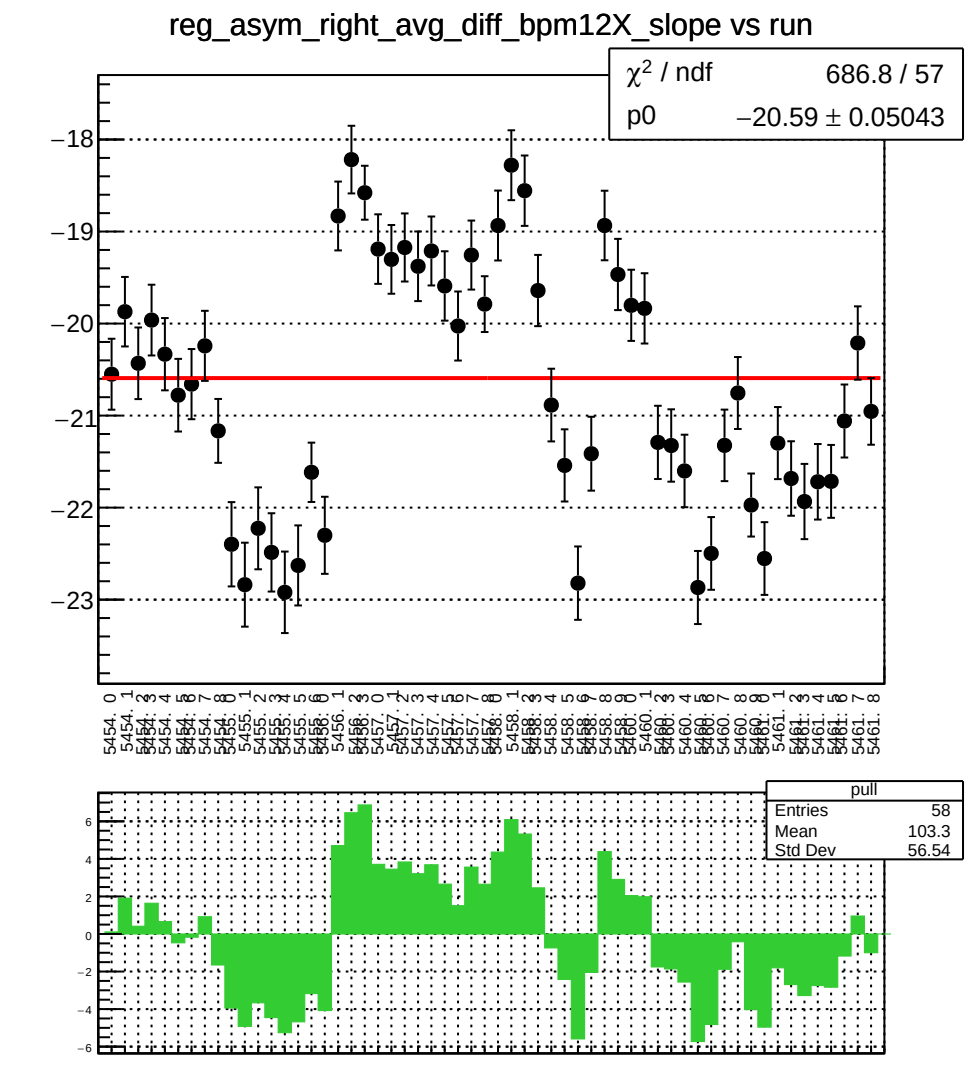

pull1D
Entries 58
Mean 0.1282
Std Dev 0.7384

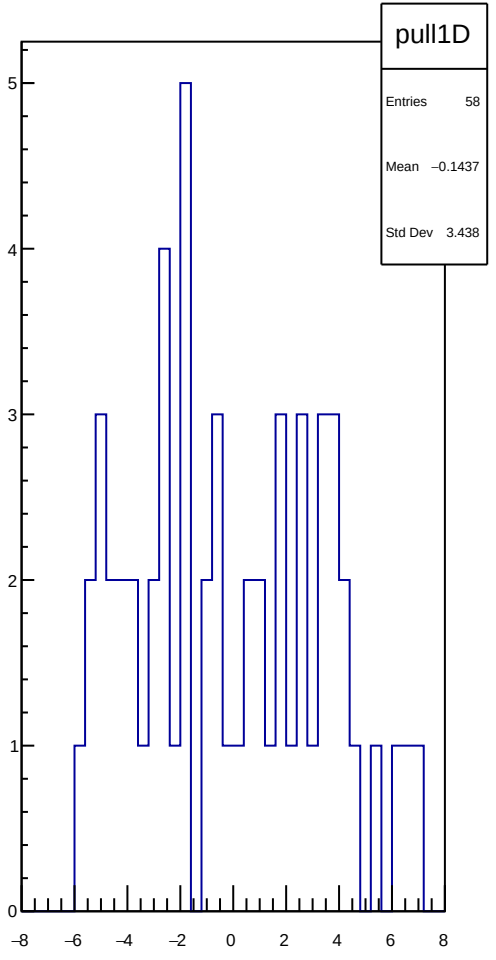

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.95 / 57
p0 45.65 ± 2.132
pull
Entries 58
Mean −349.3
Std Dev 374.1

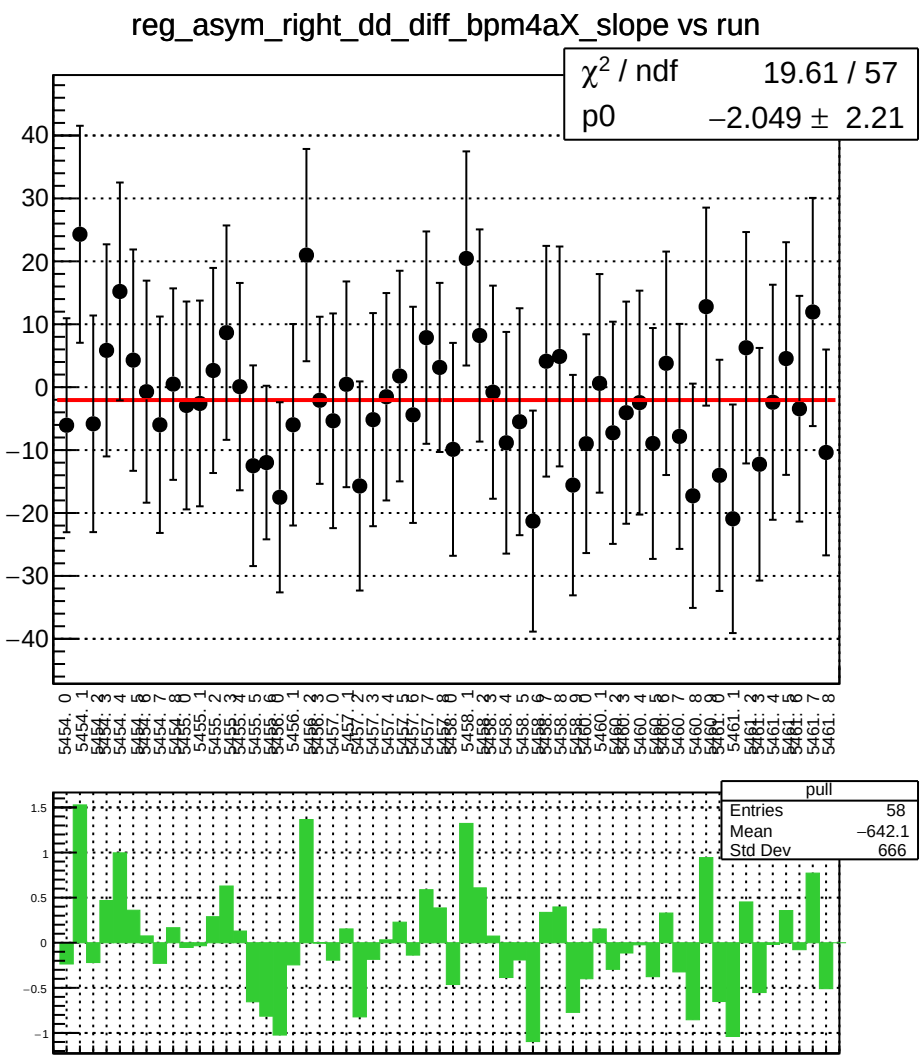

pull1D
Entries 58
Mean −0.004169
Std Dev 0.601

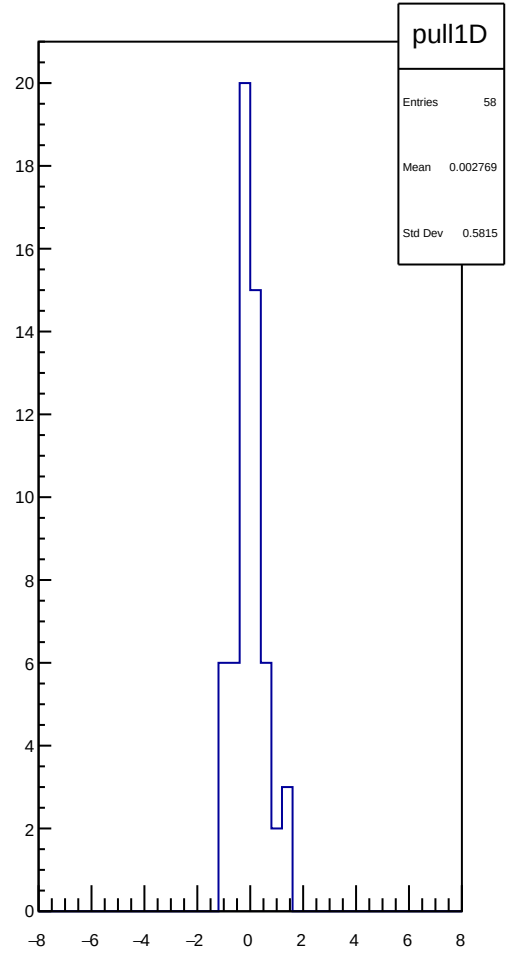

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.71 / 57
p0 −0.452 ± 1.874
pull
Entries 58
Mean 54.43
Std Dev 24.35

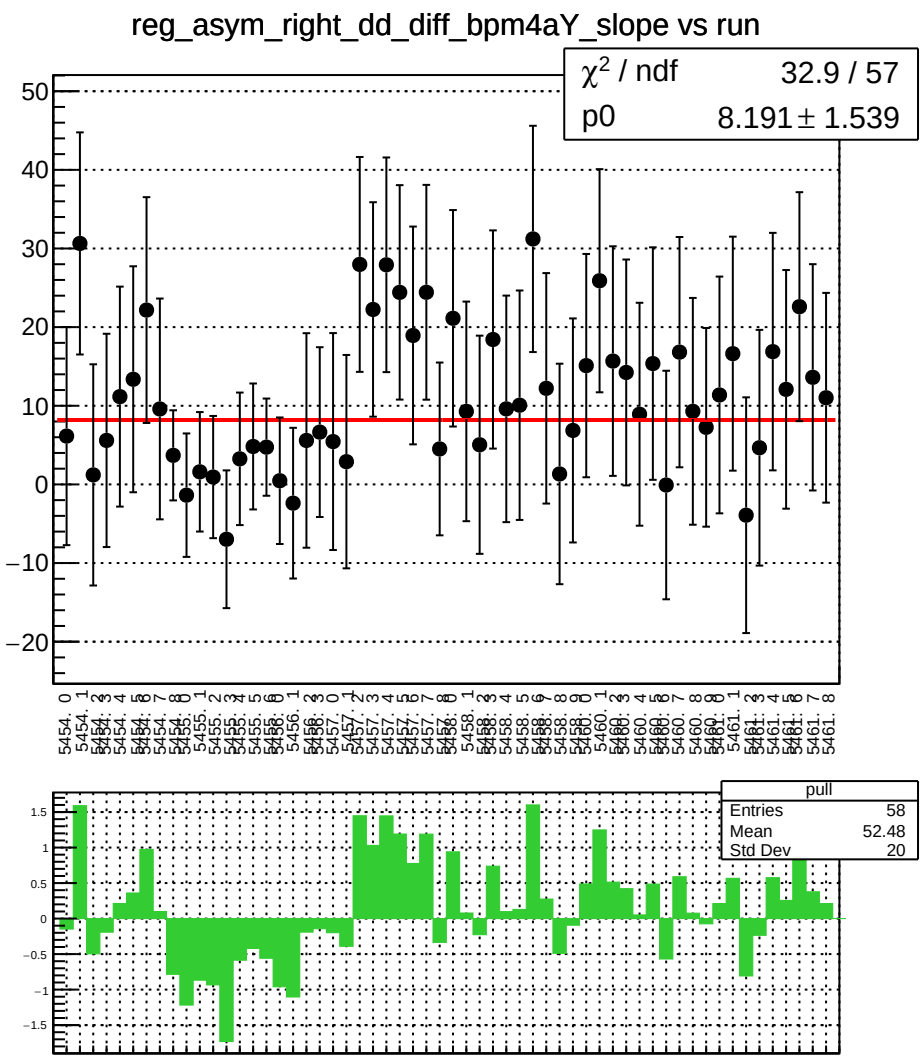

pull1D
Entries 58
Mean −0.0982
Std Dev 0.721

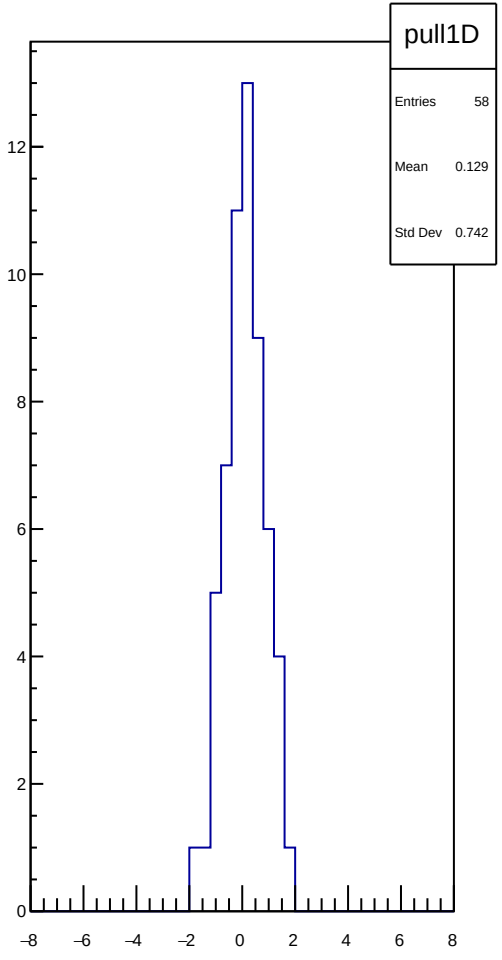

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 686.8 / 57
p0 −20.59 ± 0.05043
pull
Entries 58
Mean 103.3
Std Dev 56.54

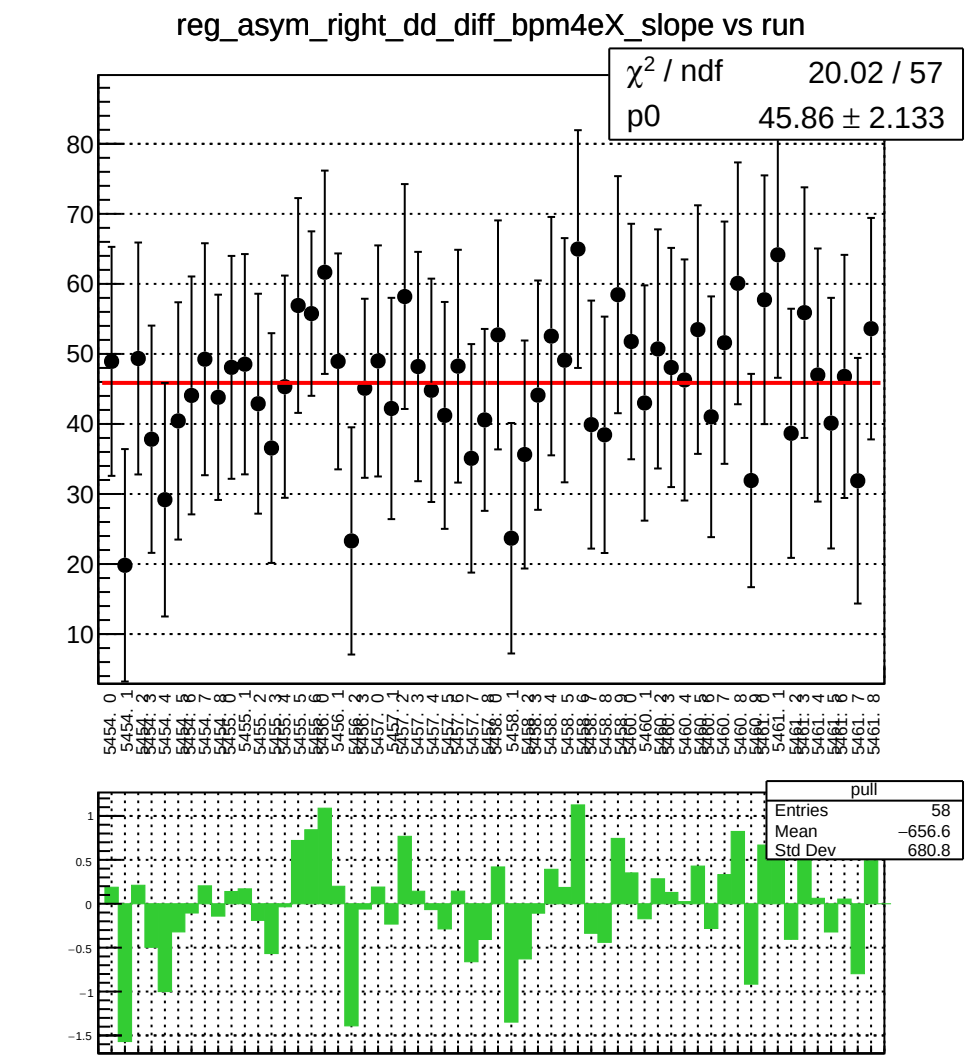

pull1D
Entries 58
Mean −0.1437
Std Dev 3.438

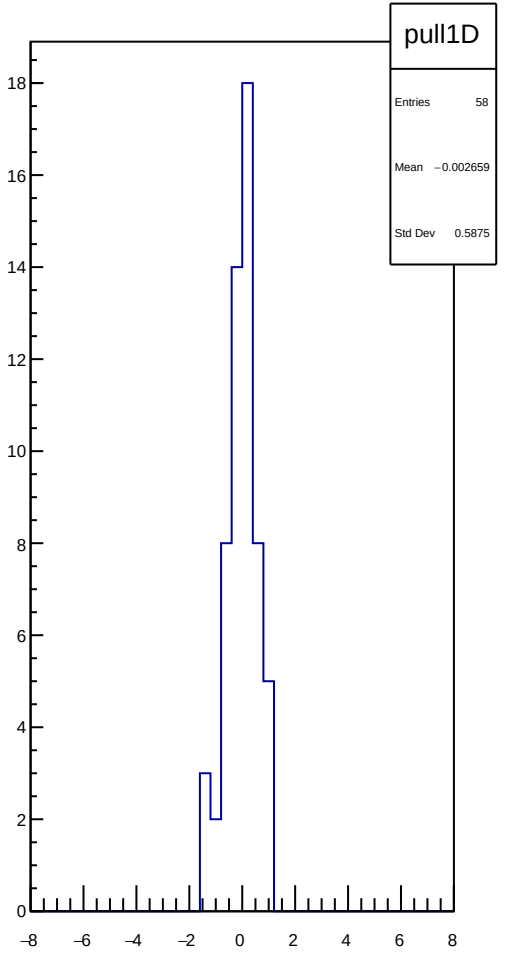

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 19.61 / 57
p0 −2.049 ± 2.21
pull
Entries 58
Mean −642.1
Std Dev 666

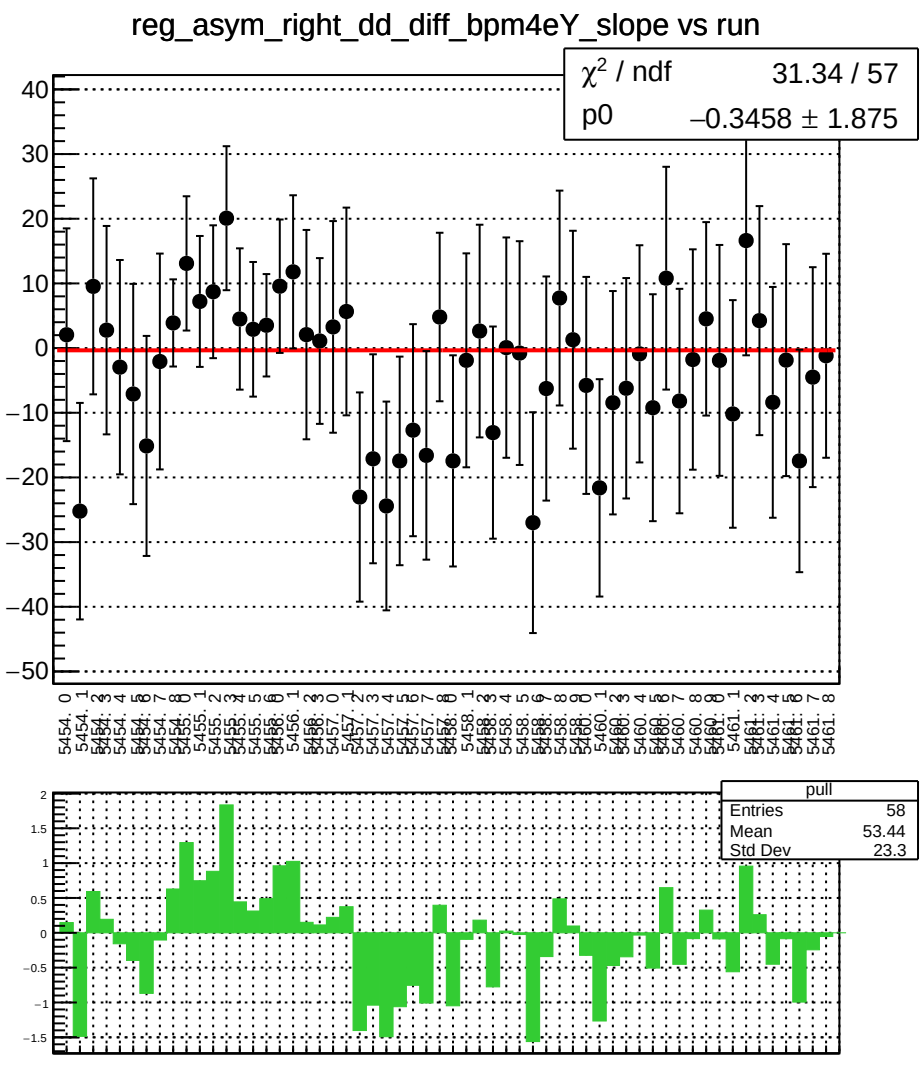

pull1D
Entries 58
Mean 0.002769
Std Dev 0.5815

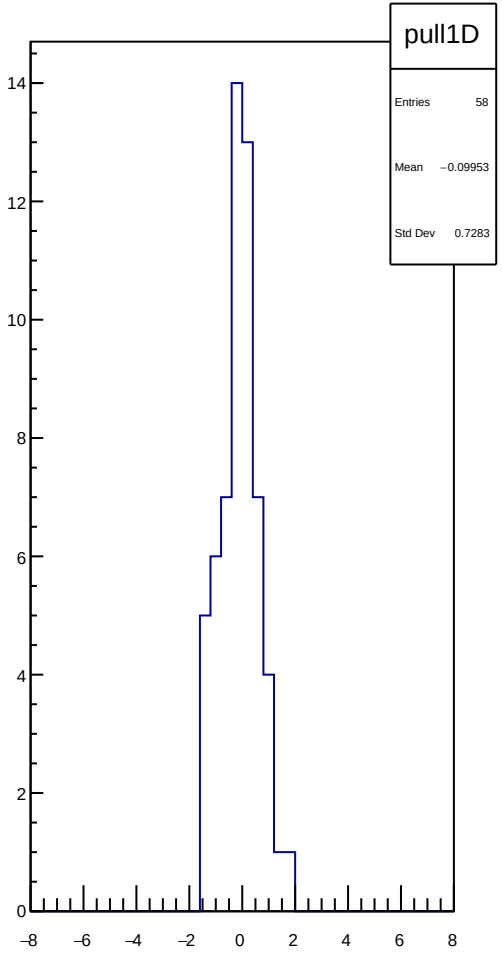

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.9 / 57
p0 8.191 ± 1.539
pull
Entries 58
Mean 52.48
Std Dev 20

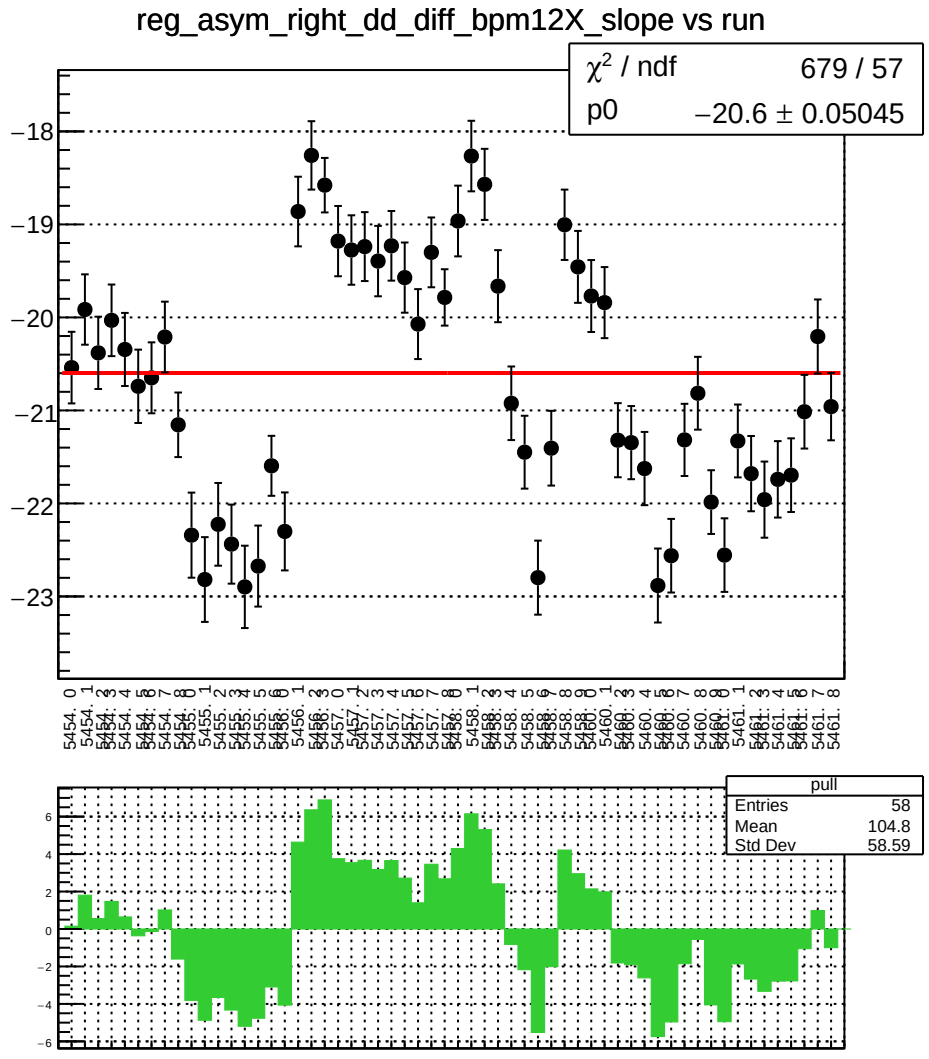

pull1D
Entries 58
Mean 0.129
Std Dev 0.742

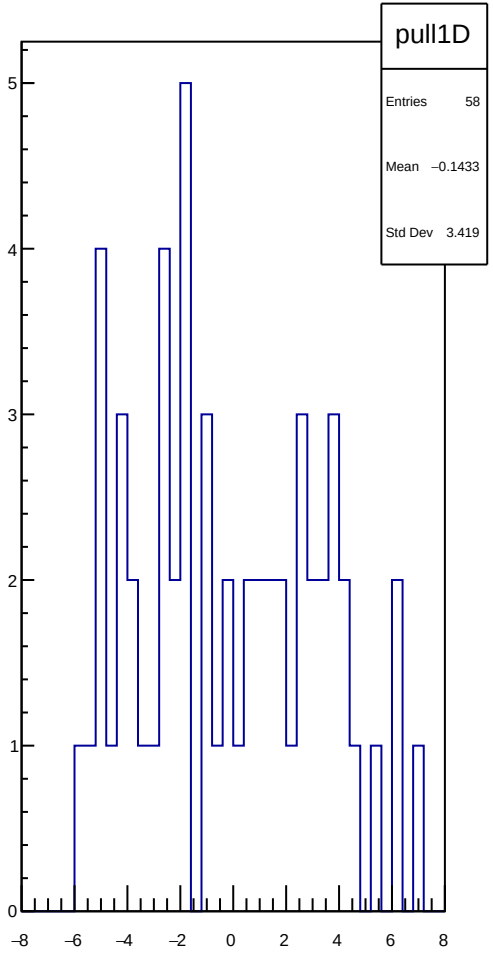

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.02 / 57
p0 45.86 ± 2.133
pull
Entries 58
Mean −656.6
Std Dev 680.8

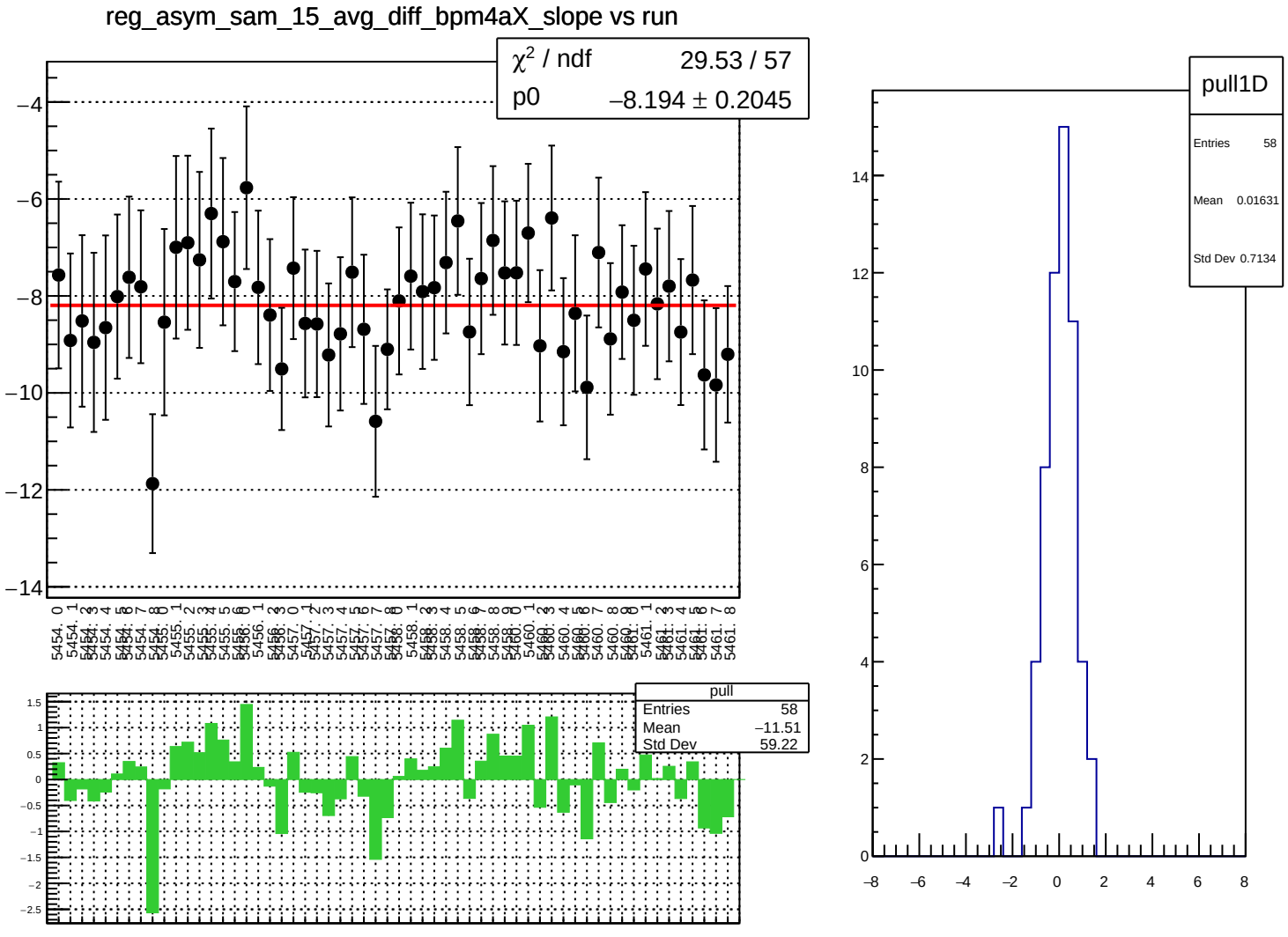

pull1D
Entries 58
Mean −0.002659
Std Dev 0.5875

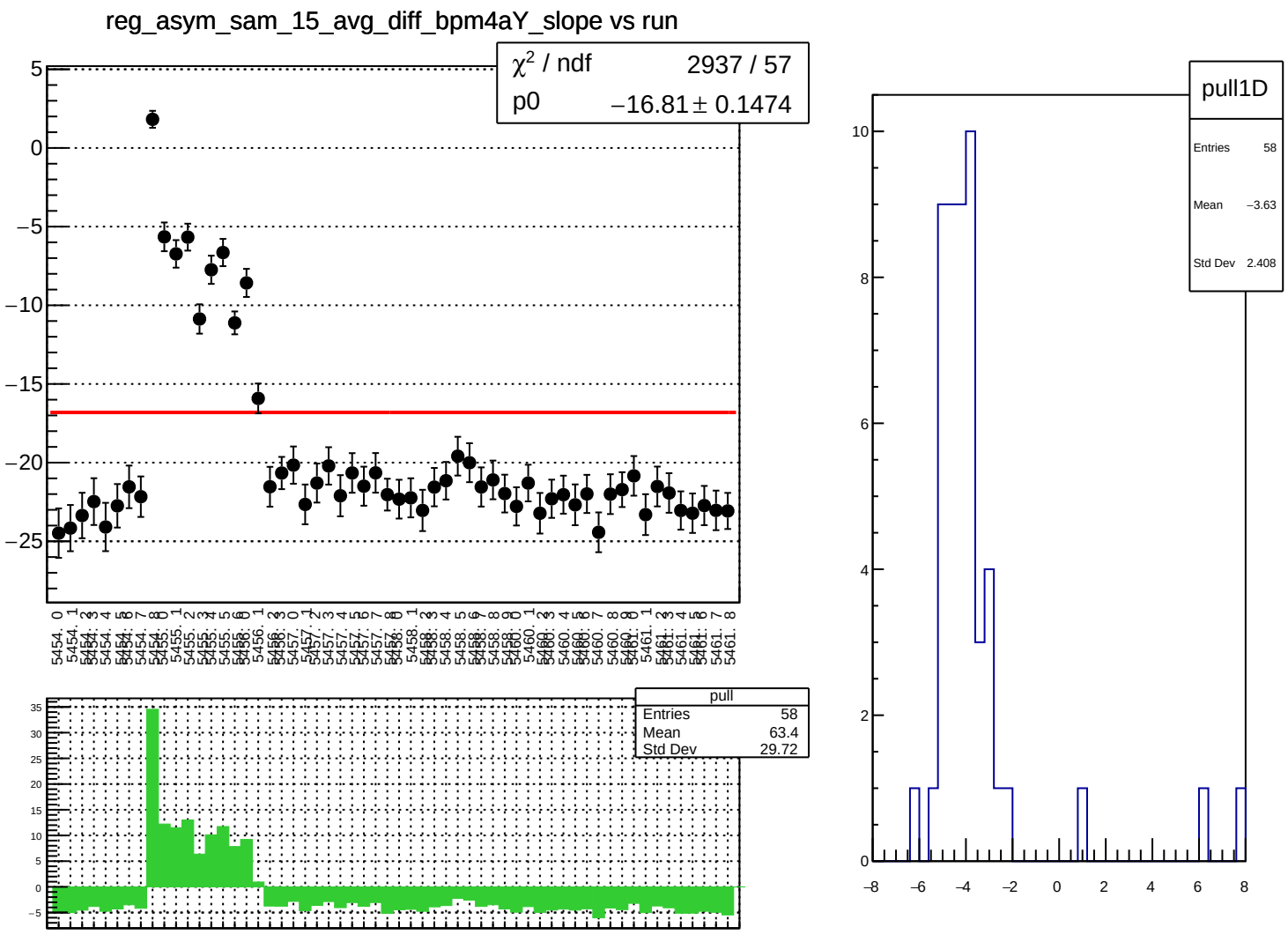

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.34 / 57
p0 −0.3458 ± 1.875
pull
Entries 58
Mean 53.44
Std Dev 23.3

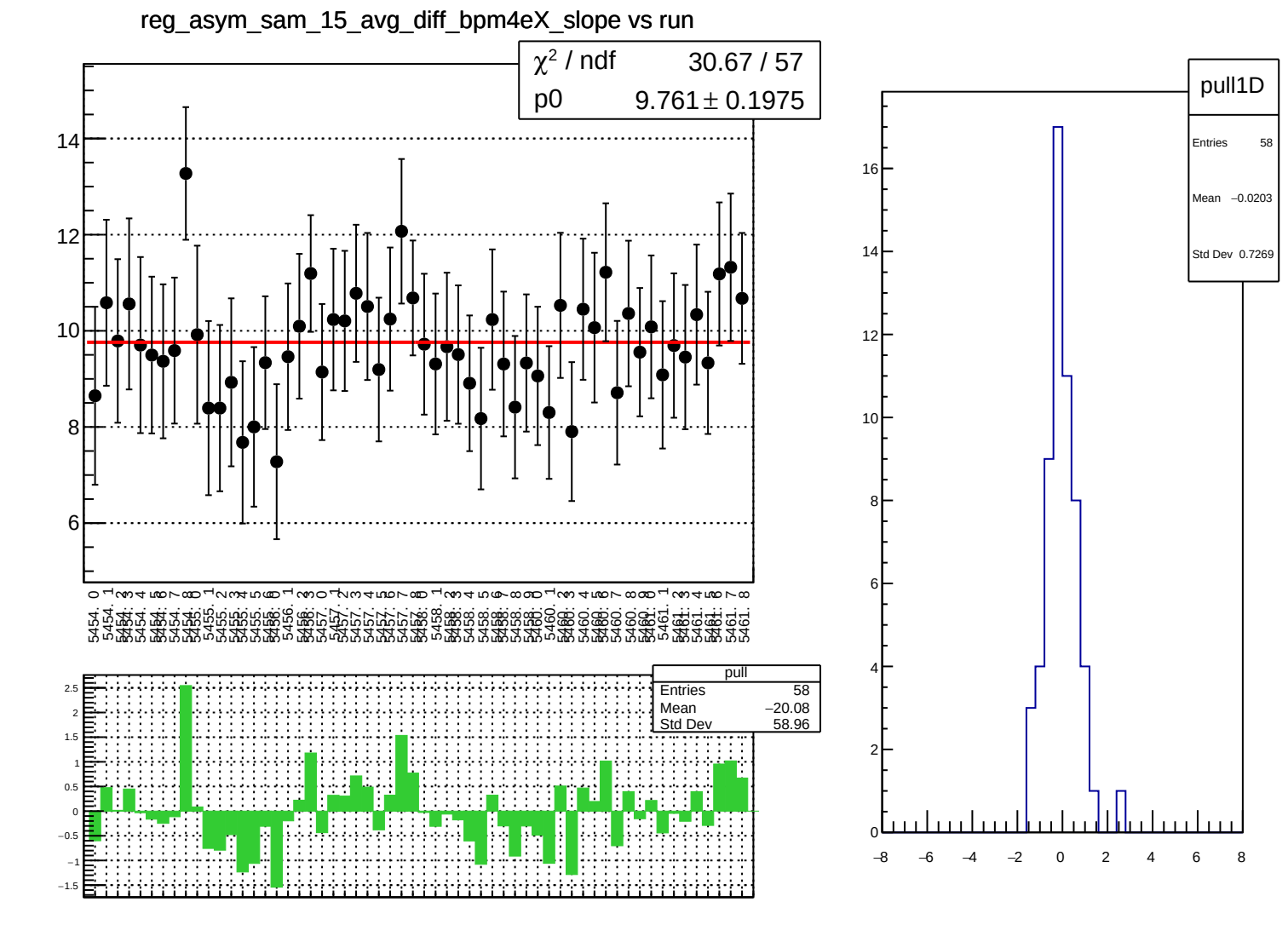

pull1D
Entries 58
Mean −0.09953
Std Dev 0.7283

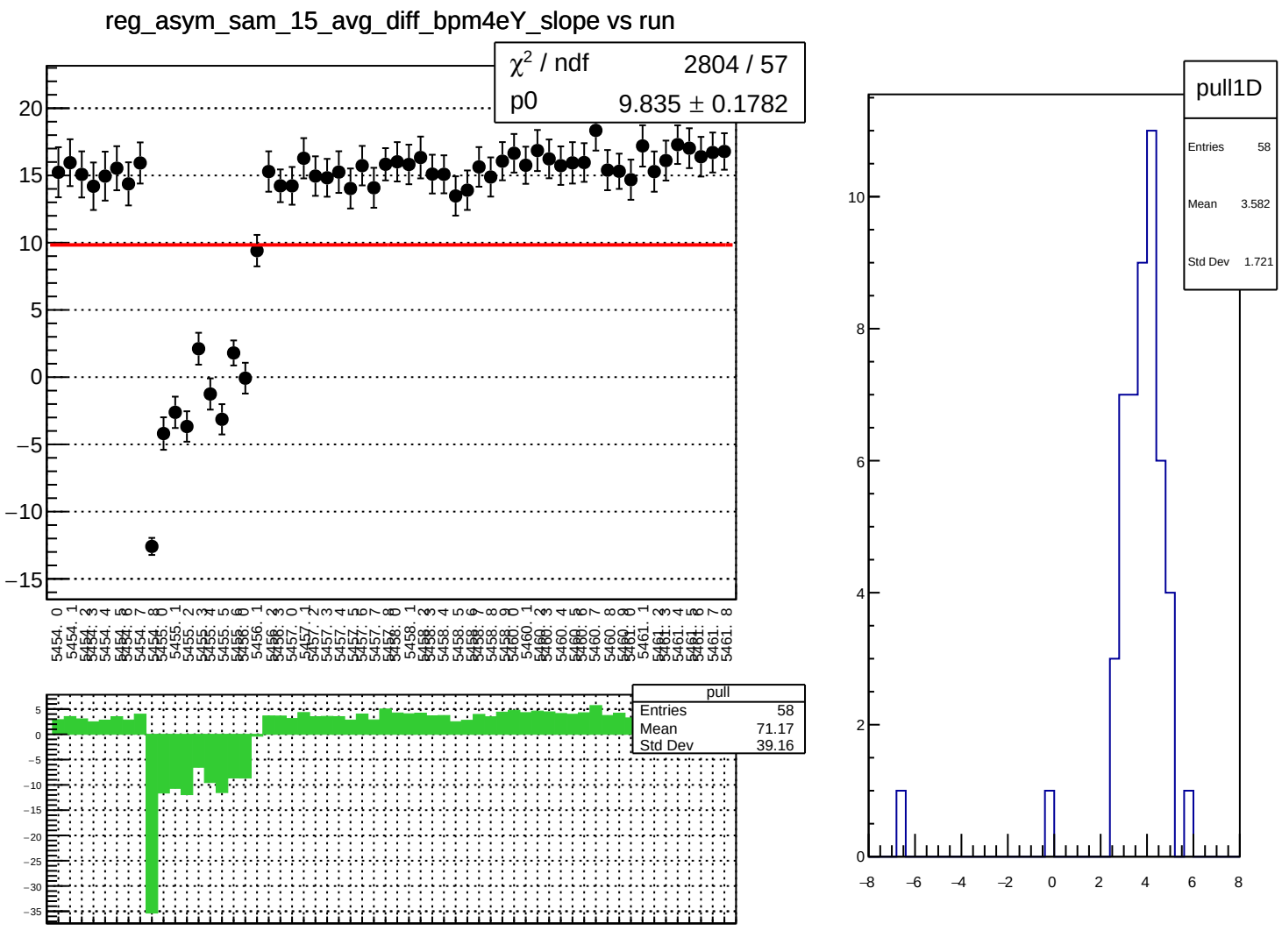

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 679 / 57
p0 −20.6 ± 0.05045
pull
Entries 58
Mean 104.8
Std Dev 58.59

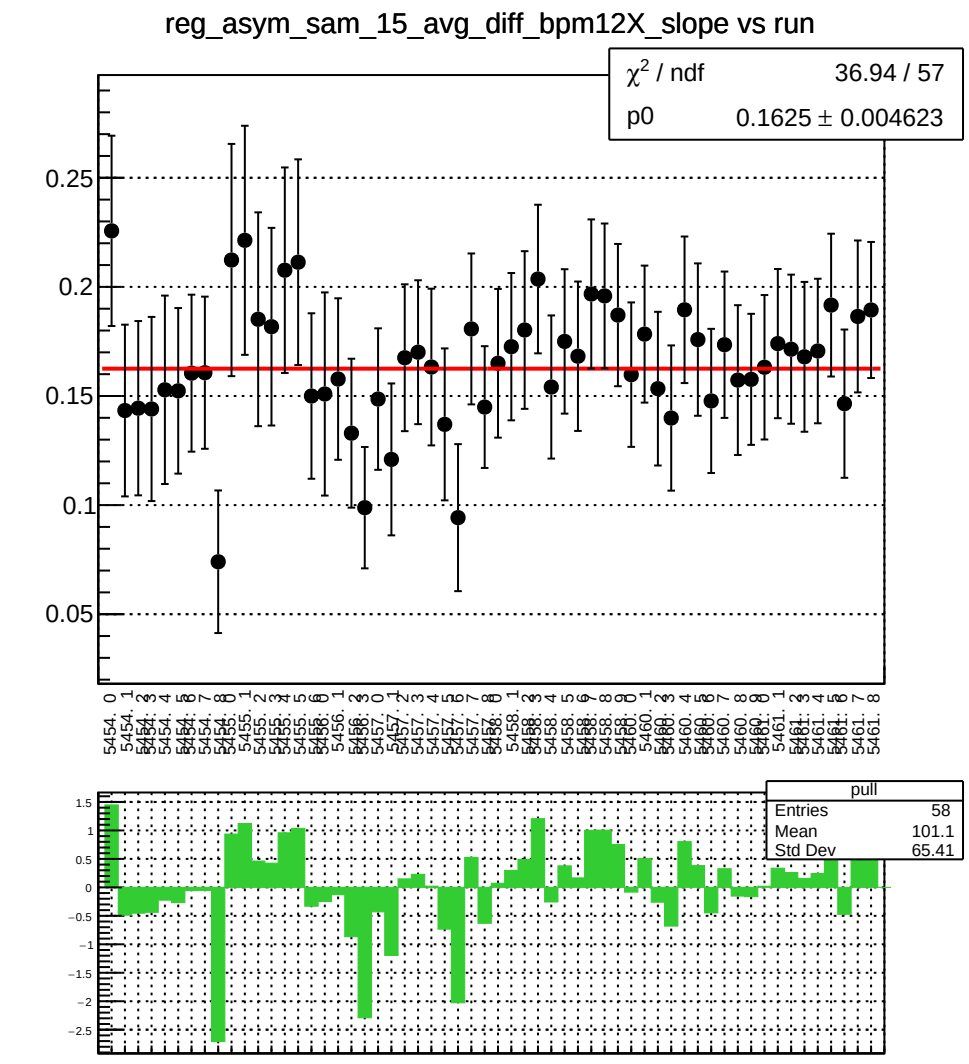

pull1D
Entries 58
Mean −0.1433
Std Dev 3.419

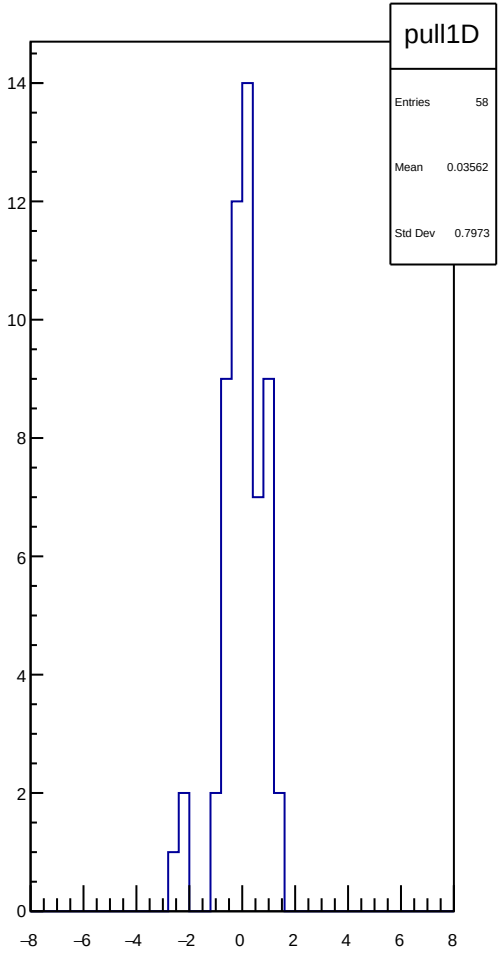

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 29.53 / 57
p0 −8.194 ± 0.2045
pull
Entries 58
Mean −11.51
Std Dev 59.22
pull1D
Entries 58
Mean 0.01631
Std Dev 0.7134

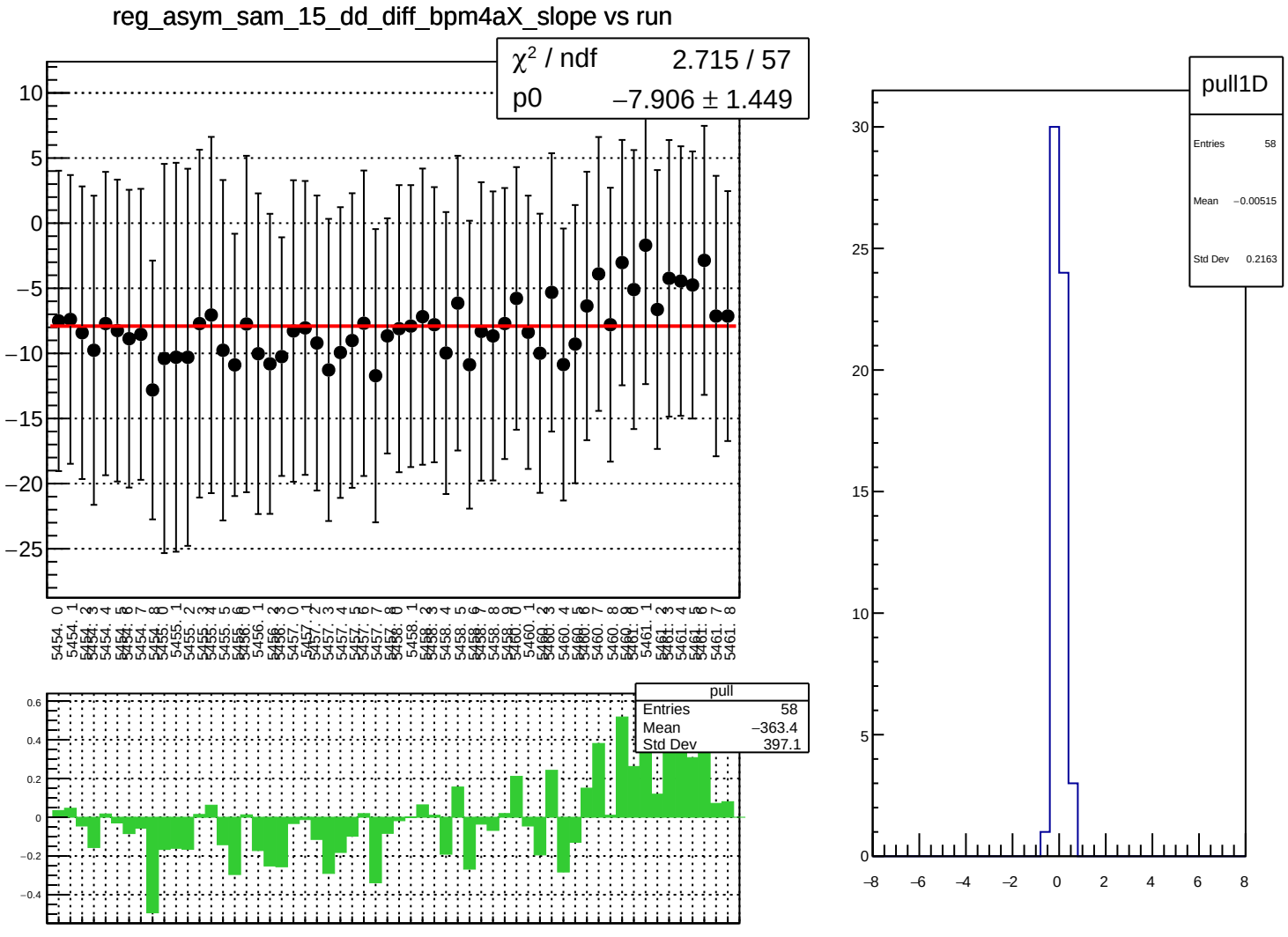

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 2937 / 57
p0 −16.81 ± 0.1474
pull
Entries 58
Mean 63.4
Std Dev 29.72
pull1D
Entries 58
Mean −3.63
Std Dev 2.408

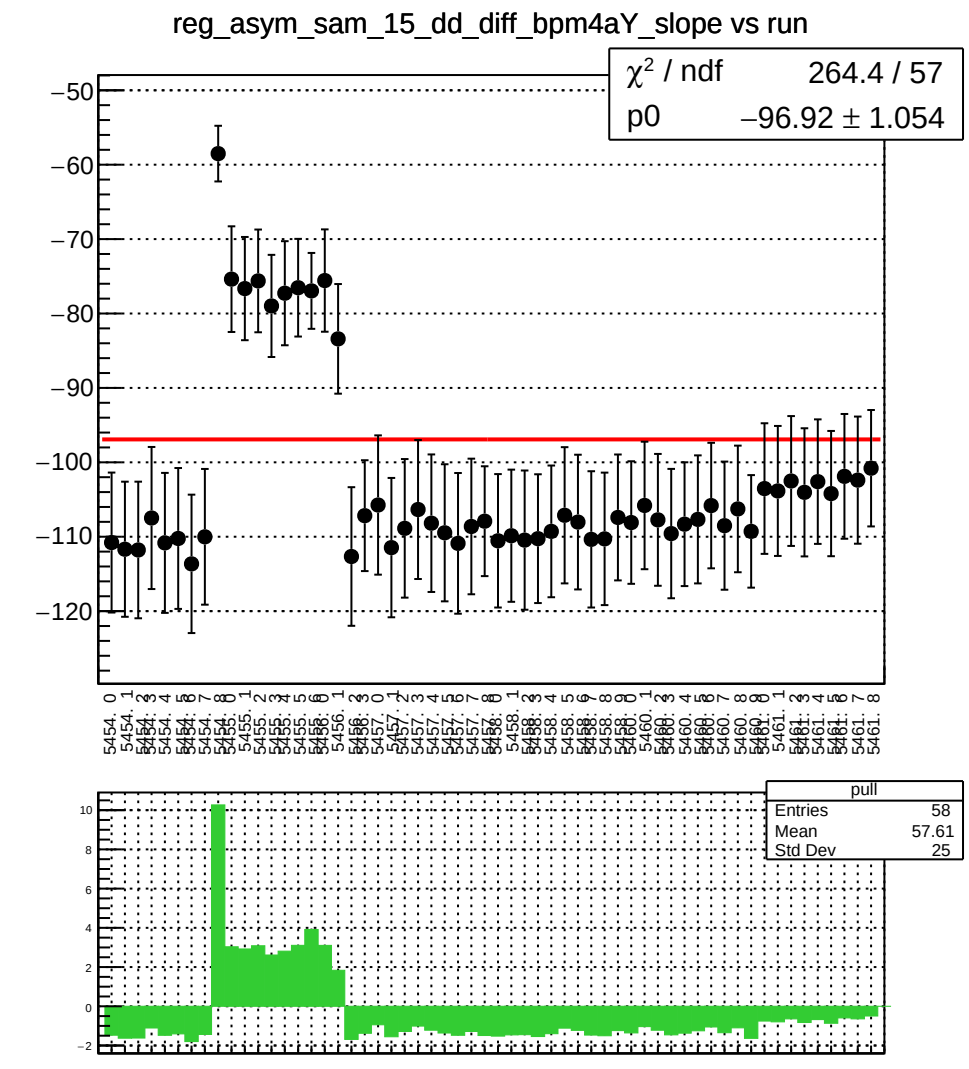

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.67 / 57
p0 9.761 ± 0.1975
pull
Entries 58
Mean −20.08
Std Dev 58.96
pull1D
Entries 58
Mean −0.0203
Std Dev 0.7269

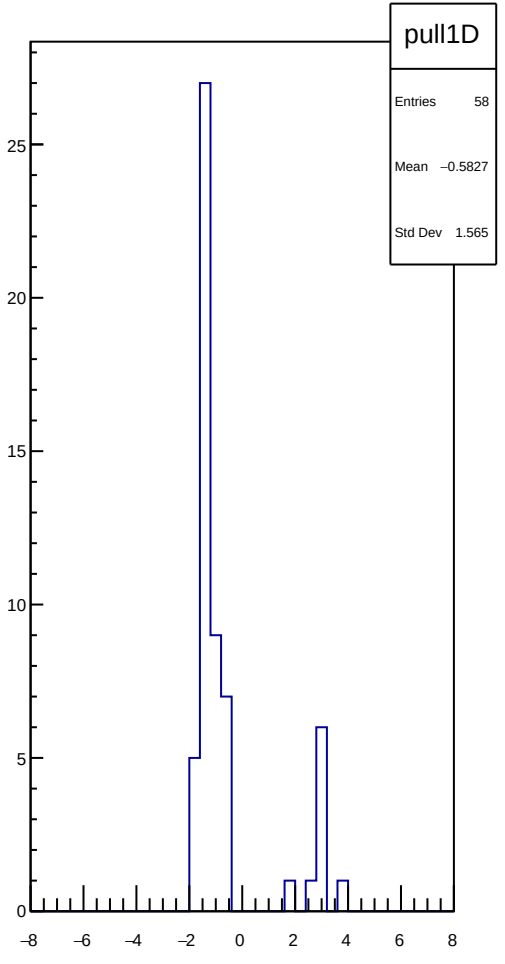

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 2804 / 57
p0 9.835 ± 0.1782
pull
Entries 58
Mean 71.17
Std Dev 39.16
pull1D
Entries 58
Mean 3.582
Std Dev 1.721

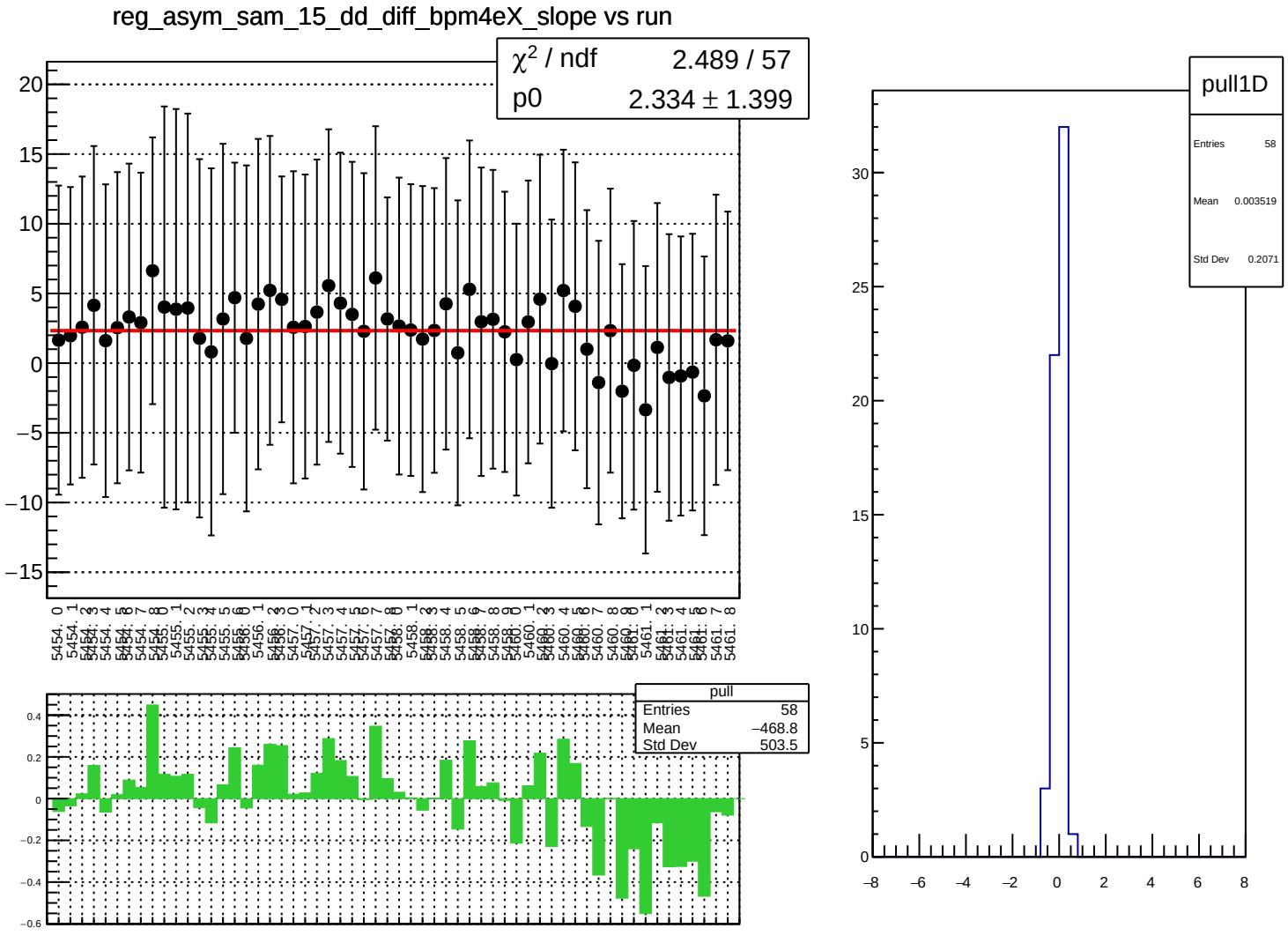

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 36.94 / 57
p0 0.1625 ± 0.004623
pull
Entries 58
Mean 101.1
Std Dev 65.41

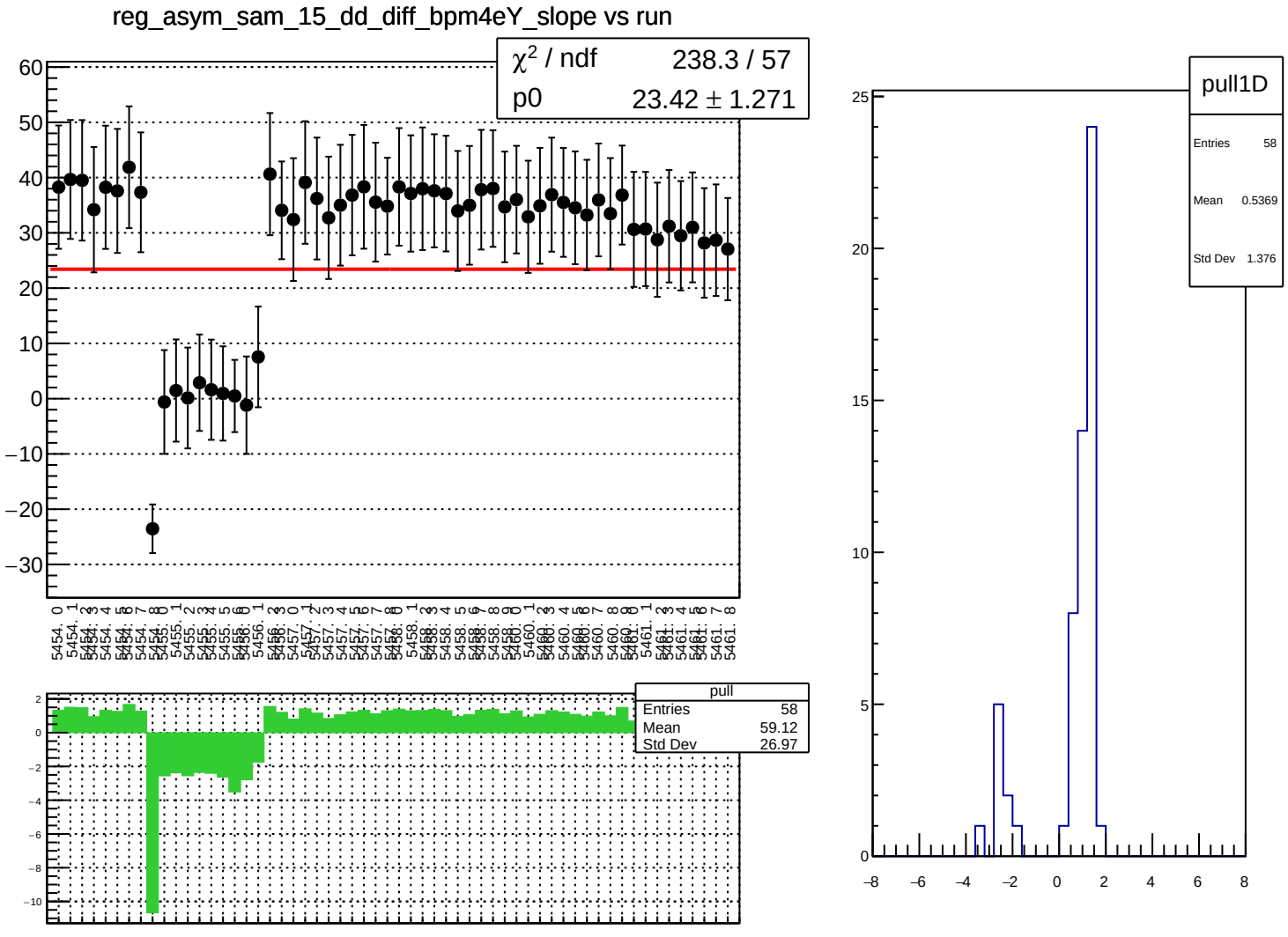

pull1D
Entries 58
Mean 0.03562
Std Dev 0.7973

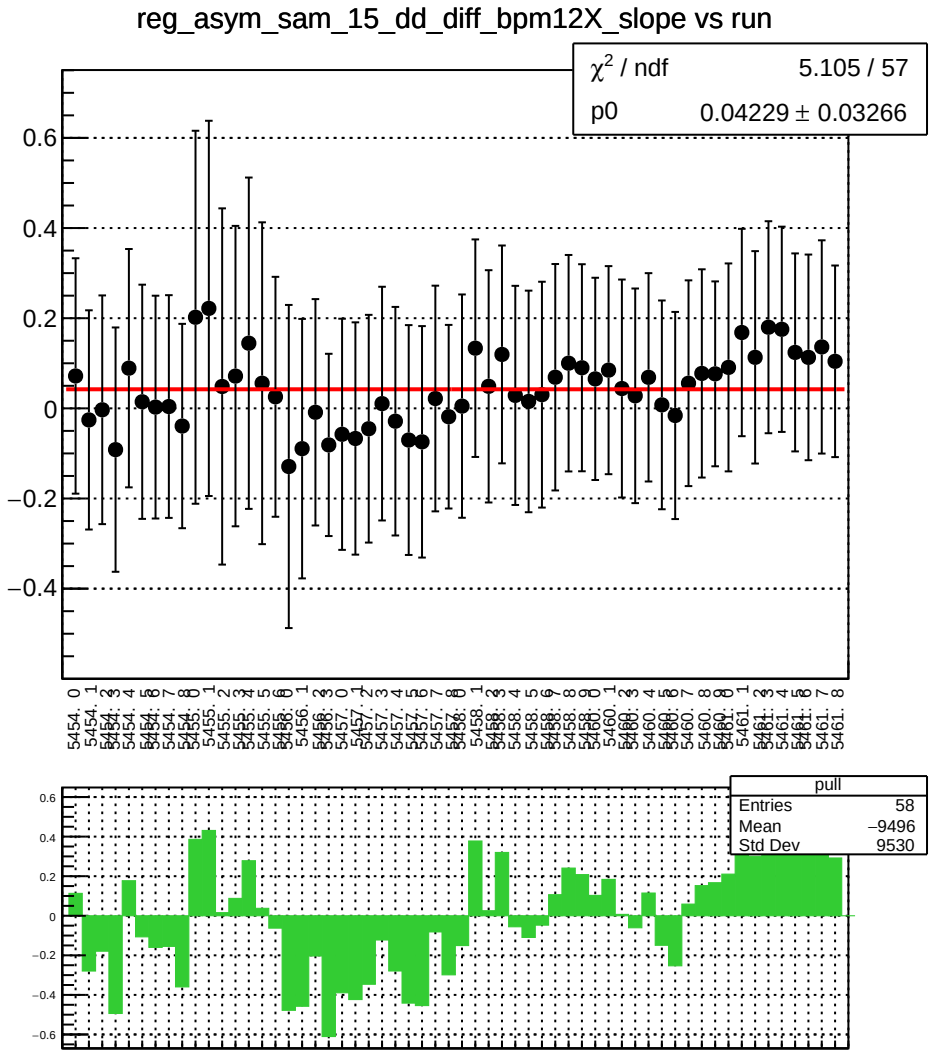

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.715 / 57
p0 −7.906 ± 1.449
pull
Entries 58
Mean −363.4
Std Dev 397.1
pull1D
Entries 58
Mean −0.00515
Std Dev 0.2163

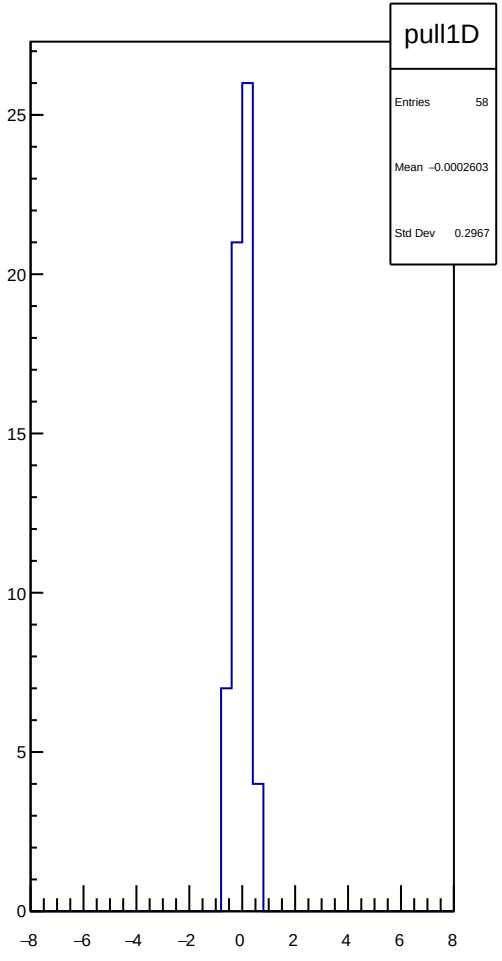

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 264.4 / 57
p0 −96.92 ± 1.054
pull
Entries 58
Mean 57.61
Std Dev 25

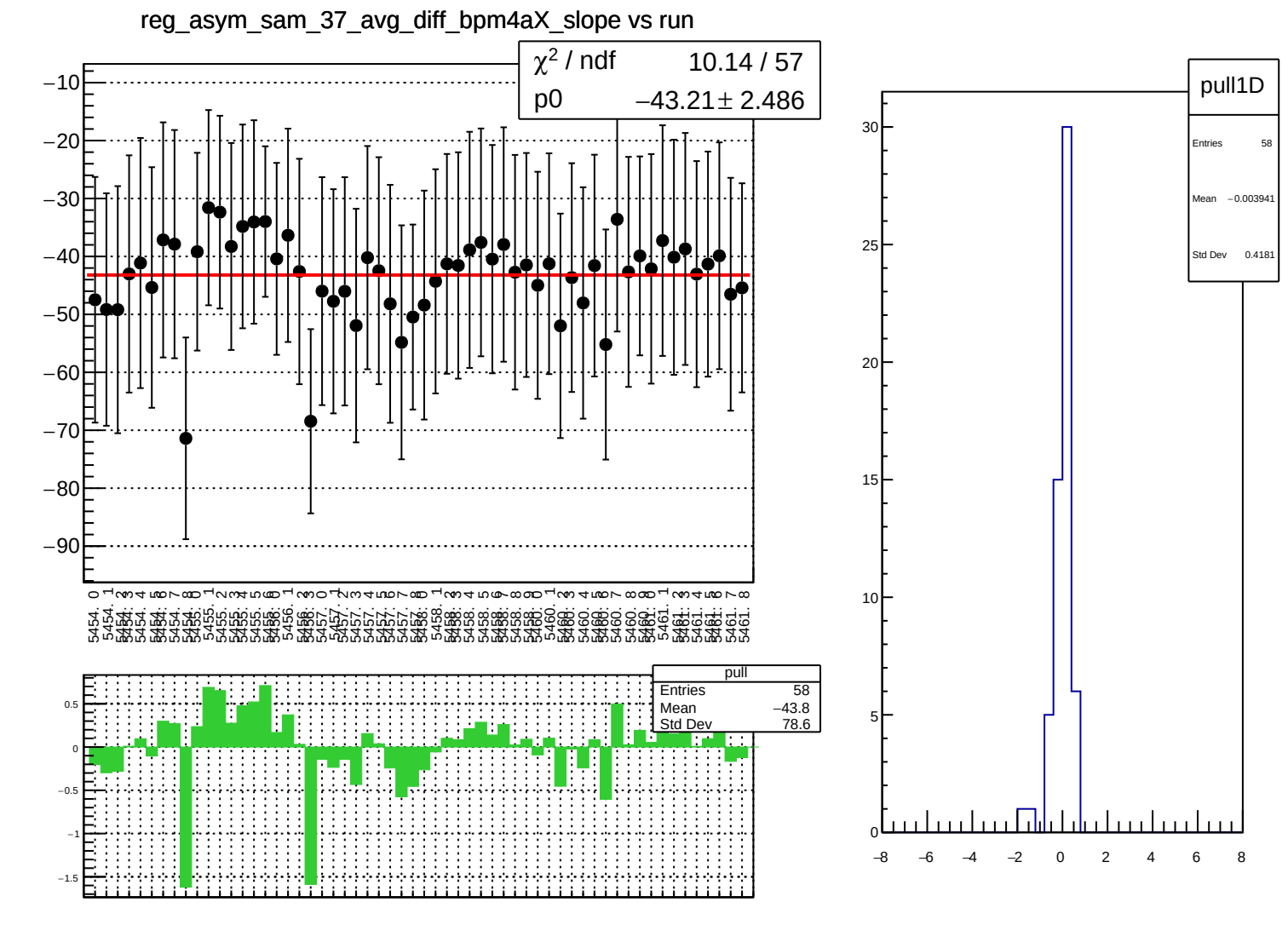

pull1D
Entries 58
Mean −0.5827
Std Dev 1.565

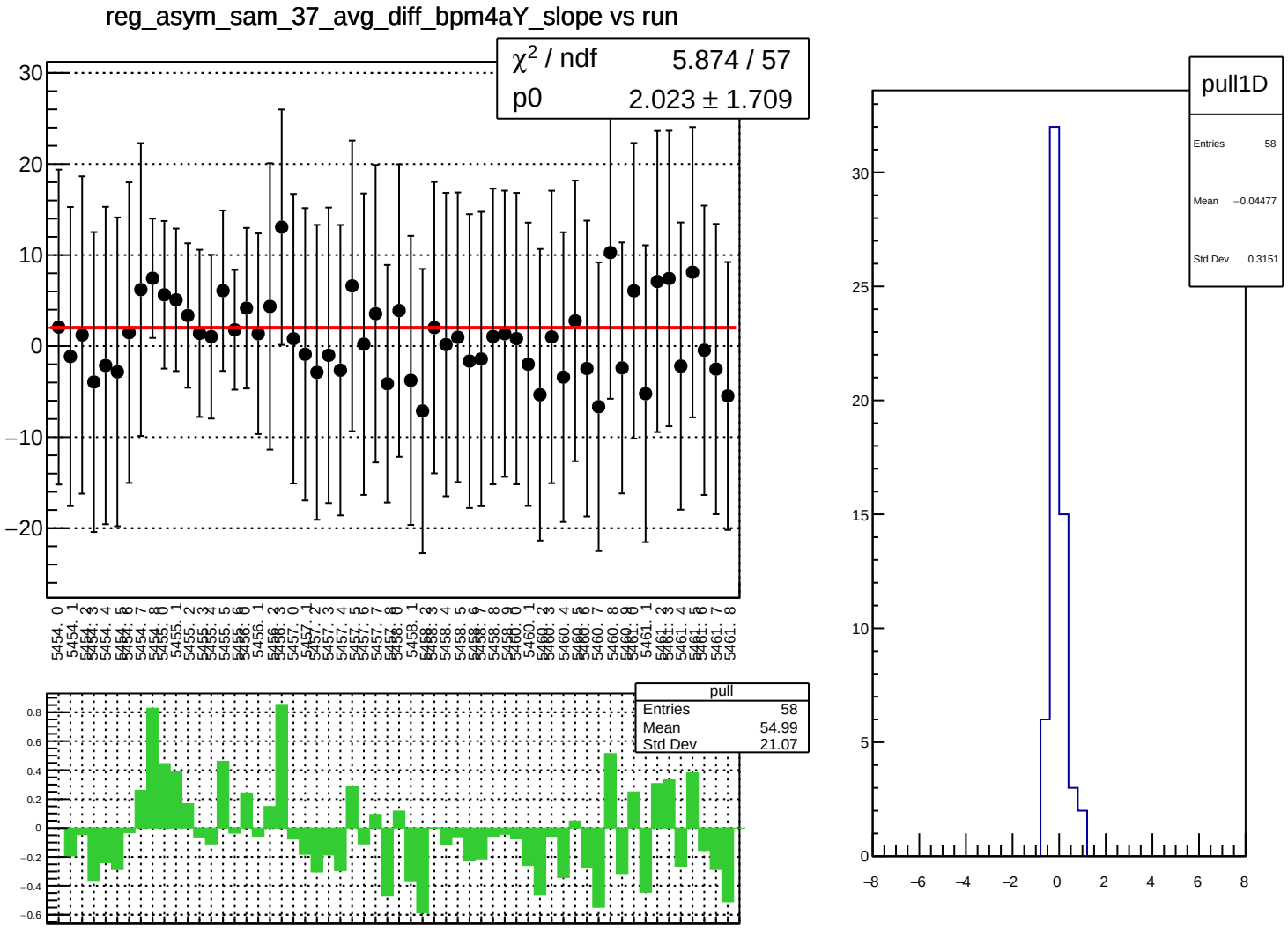

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.489 / 57
p0 2.334 ± 1.399
pull
Entries 58
Mean −468.8
Std Dev 503.5
pull1D
Entries 58
Mean 0.003519
Std Dev 0.2071

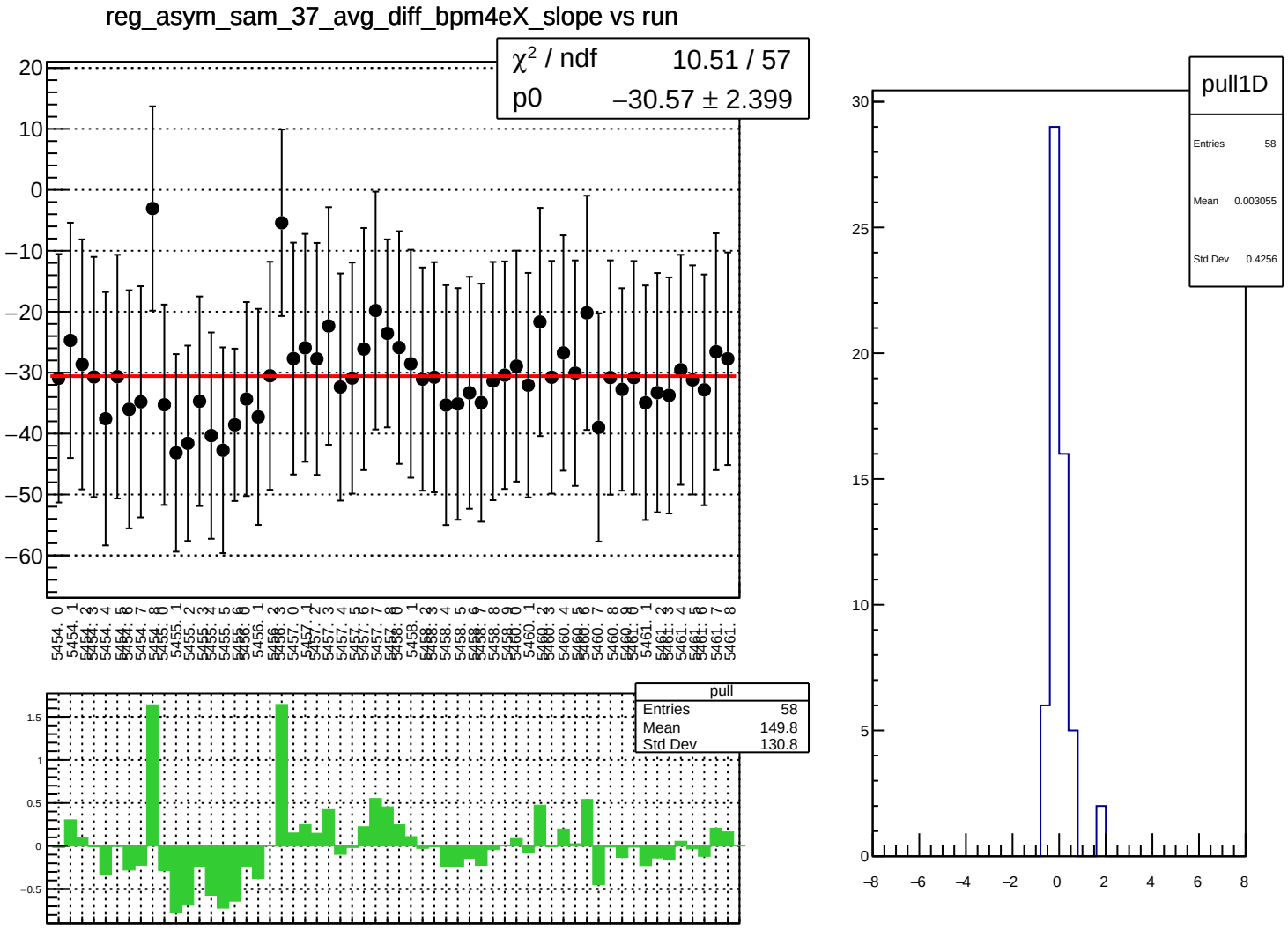

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 238.3 / 57
p0 23.42 ± 1.271
pull
Entries 58
Mean 59.12
Std Dev 26.97
pull1D
Entries 58
Mean 0.5369
Std Dev 1.376

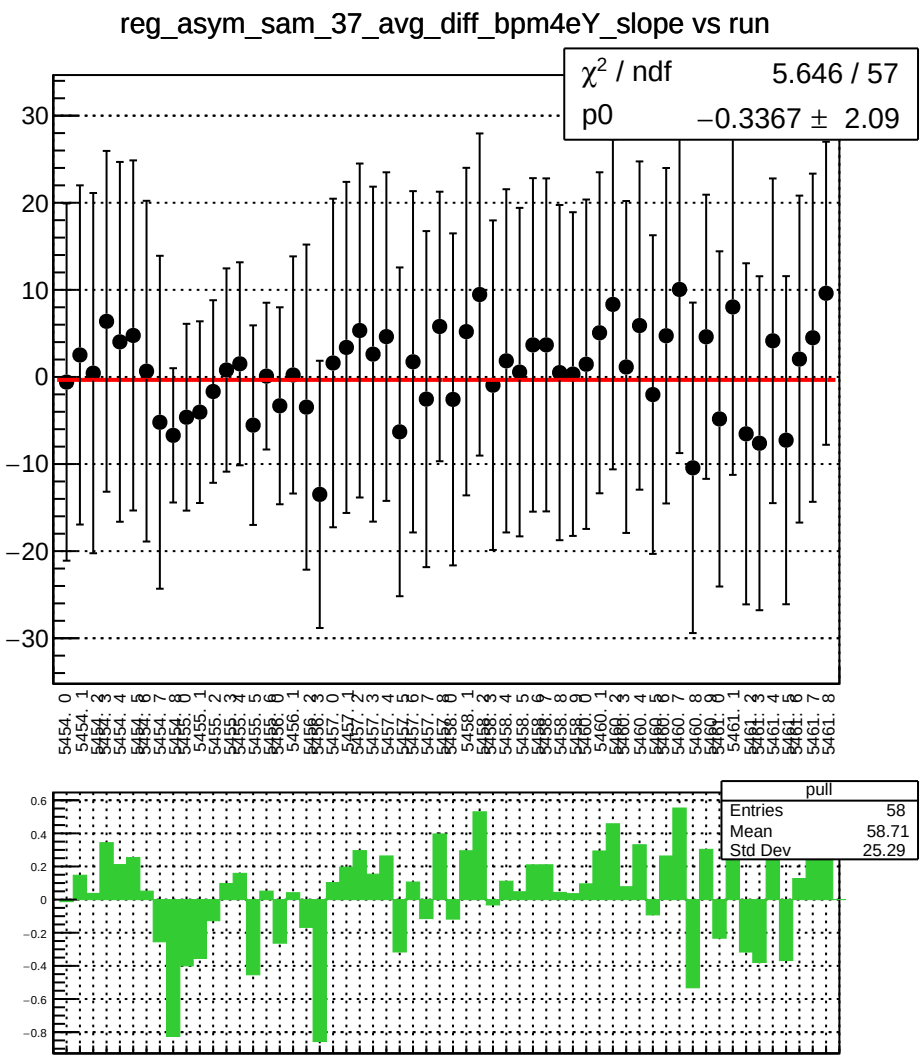

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 5.105 / 57
p0 0.04229 ± 0.03266
pull
Entries 58
Mean −9496
Std Dev 9530

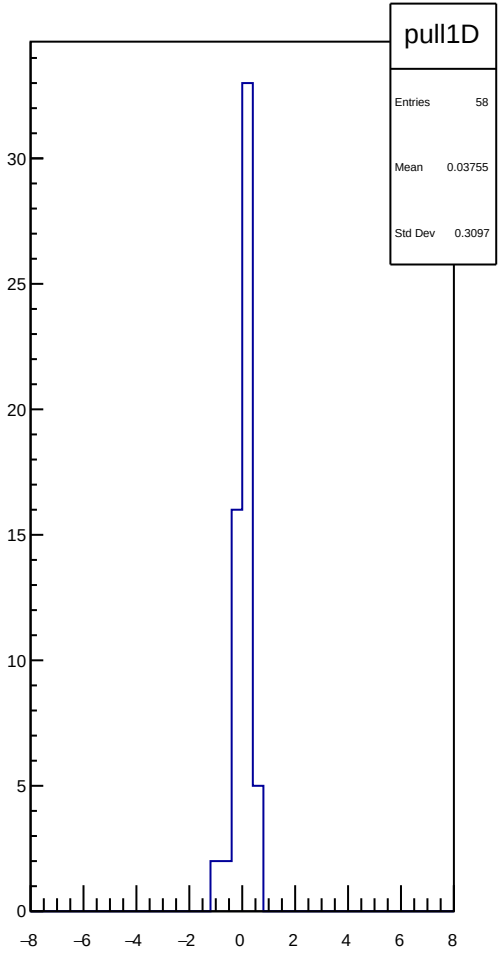

pull1D
Entries 58
Mean −0.0002603
Std Dev 0.2967

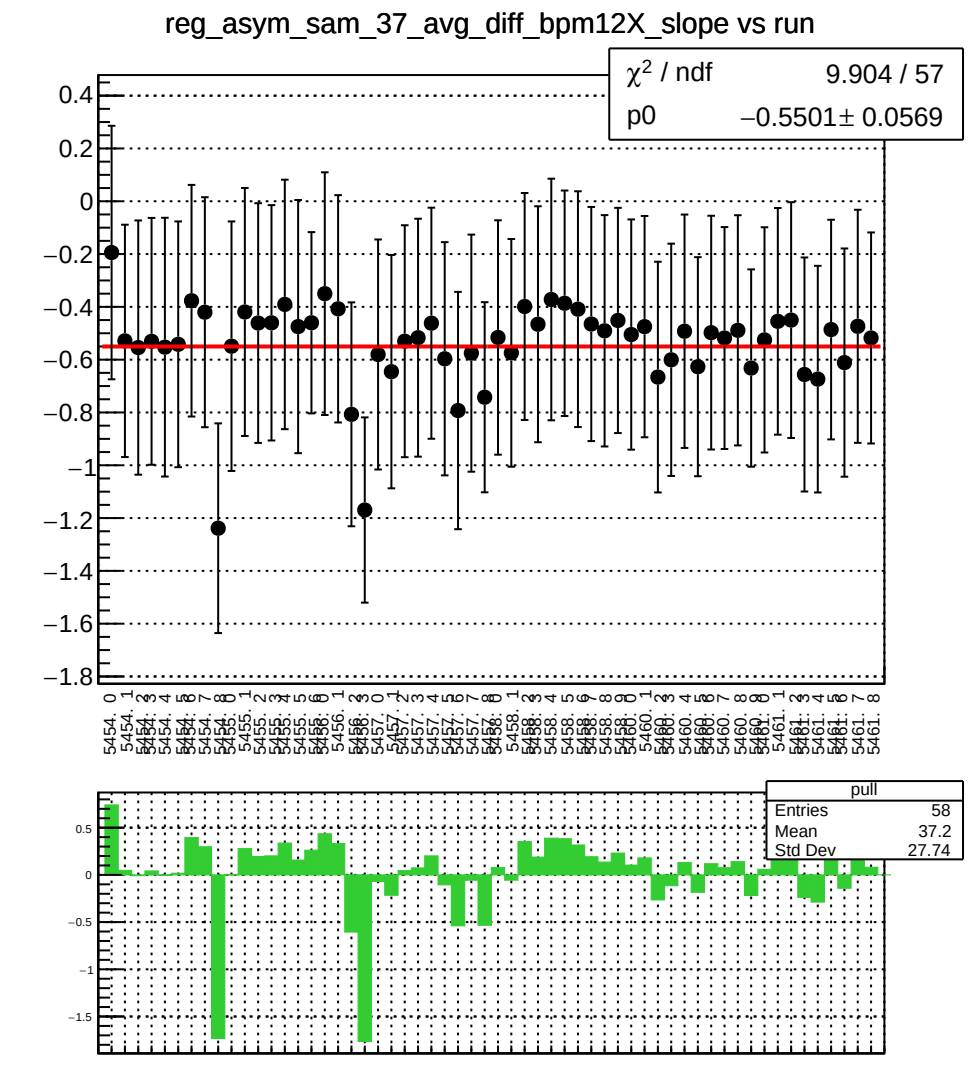

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.14 / 57
p0 −43.21 ± 2.486
pull
Entries 58
Mean −43.8
Std Dev 78.6
pull1D
Entries 58
Mean −0.003941
Std Dev 0.4181

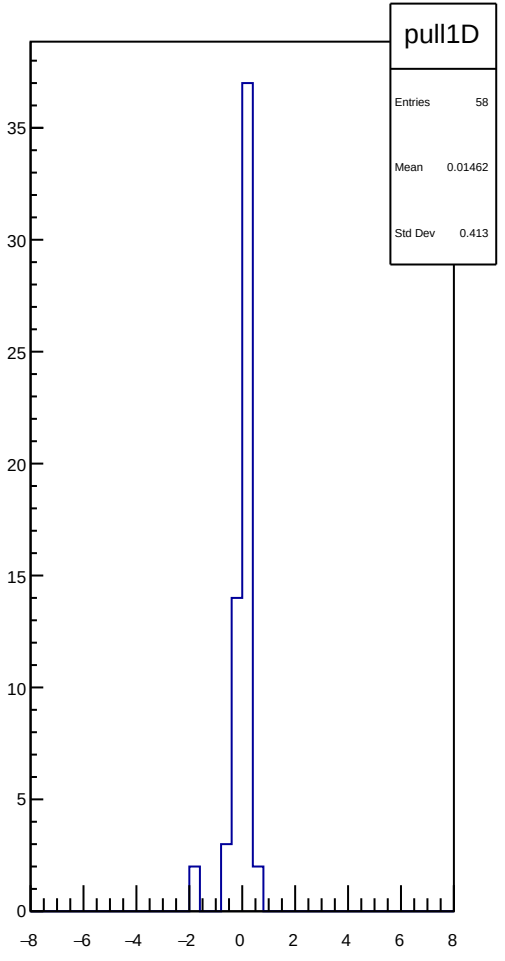

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.874 / 57
p0 2.023 ± 1.709
pull
Entries 58
Mean 54.99
Std Dev 21.07
pull1D
Entries 58
Mean −0.04477
Std Dev 0.3151

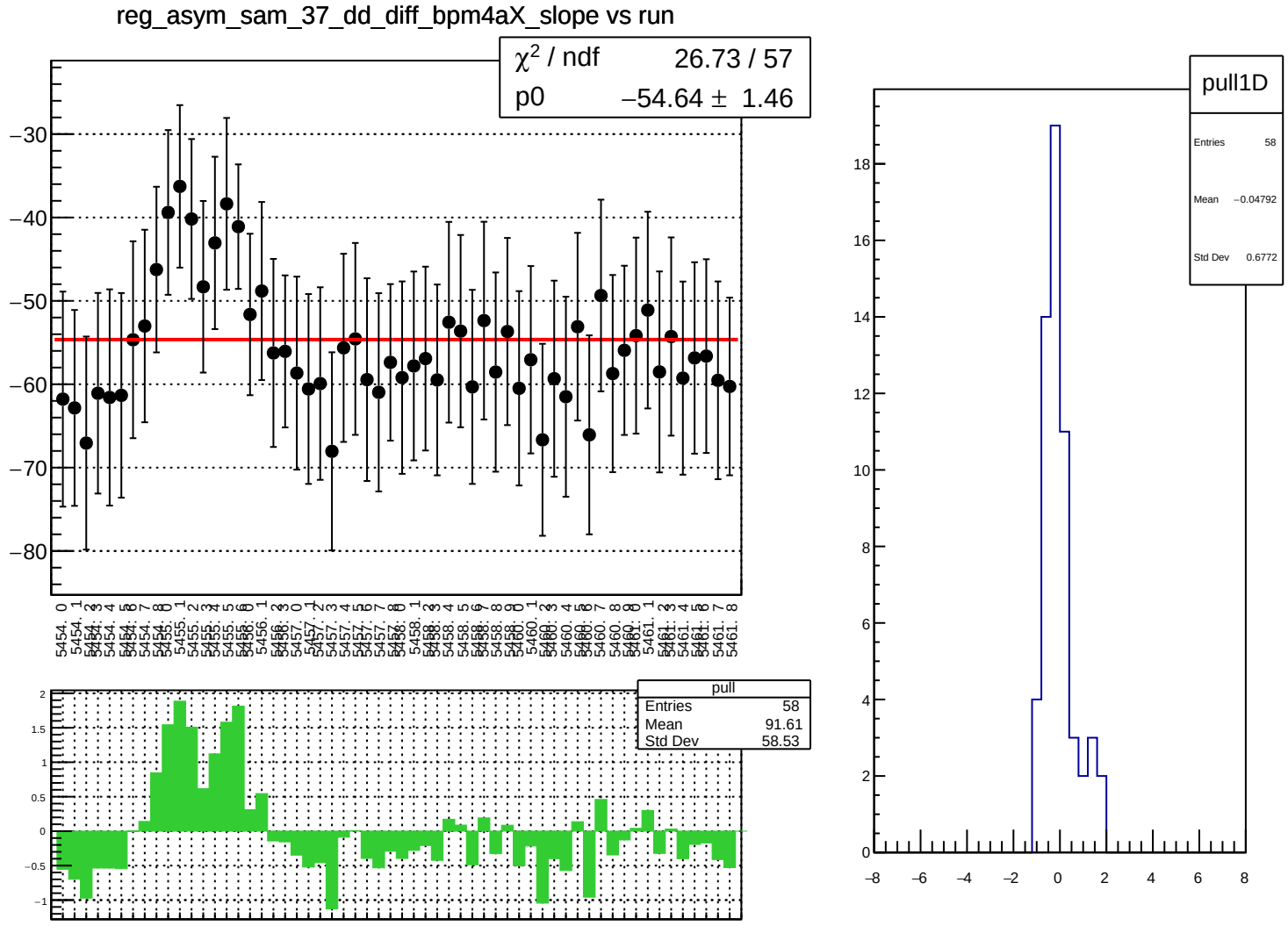

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.51 / 57
p0 −30.57 ± 2.399
pull
Entries 58
Mean 149.8
Std Dev 130.8
pull1D
Entries 58
Mean 0.003055
Std Dev 0.4256

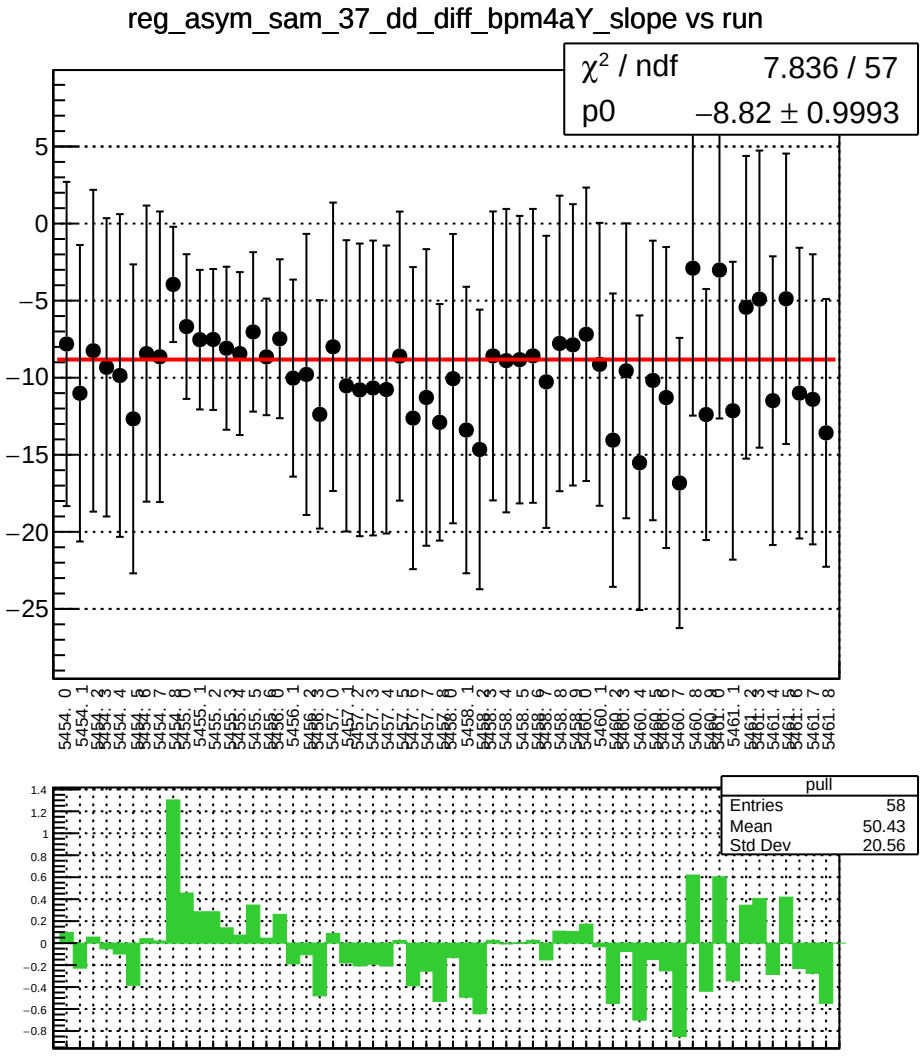

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.646 / 57
p0 −0.3367 ± 2.09
pull
Entries 58
Mean 58.71
Std Dev 25.29

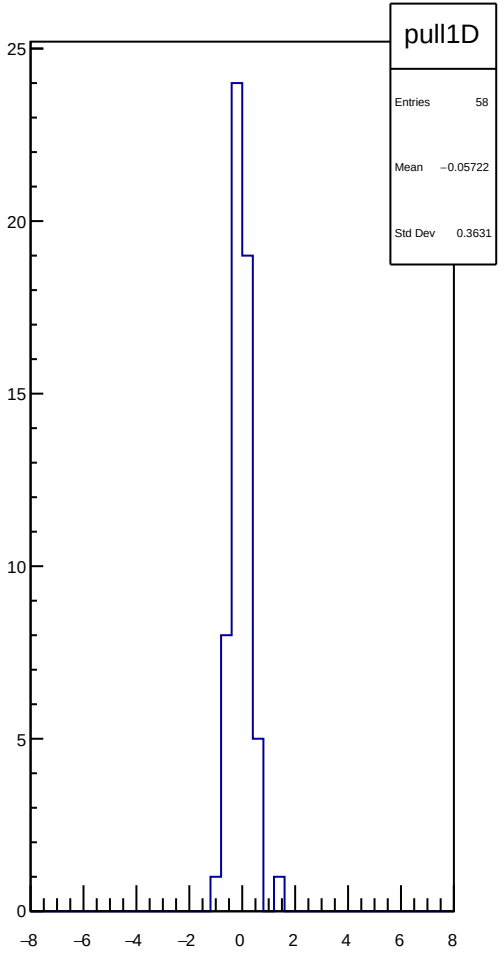

pull1D
Entries 58
Mean 0.03755
Std Dev 0.3097

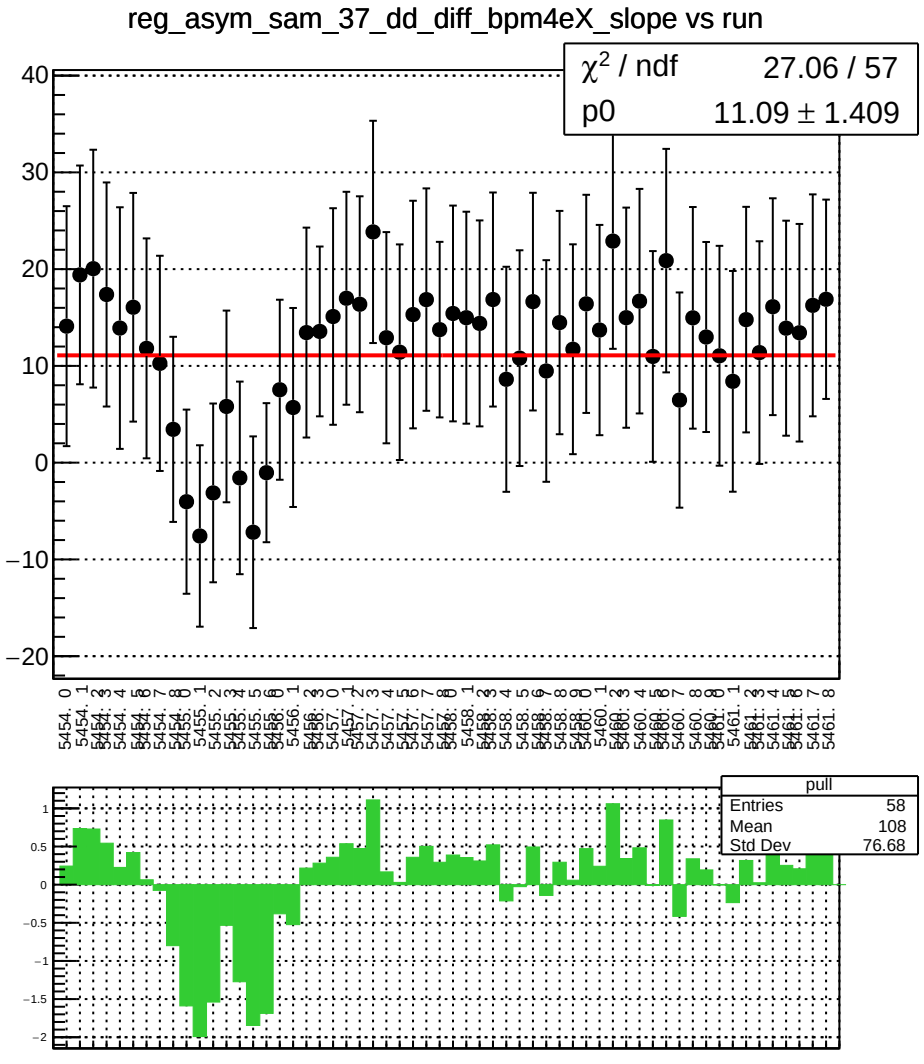

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 9.904 / 57
p0 −0.5501± 0.0569
pull
Entries 58
Mean 37.2
Std Dev 27.74

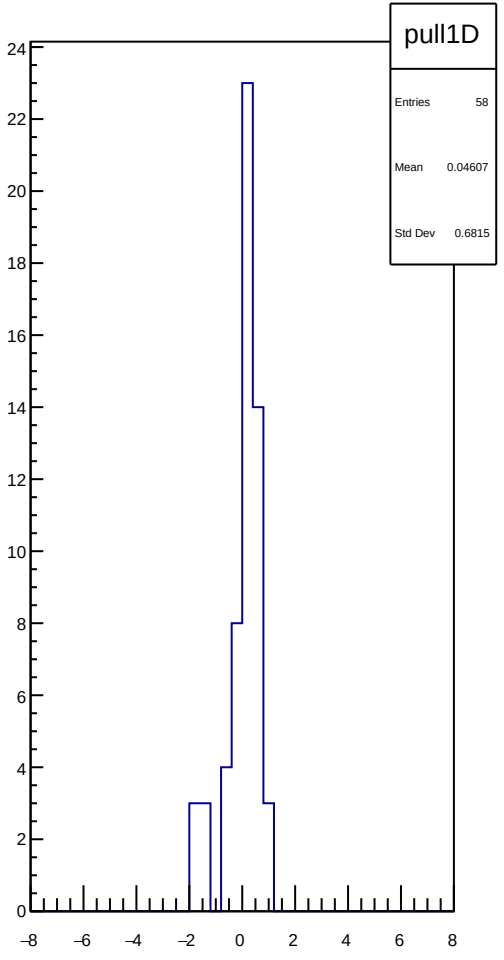

pull1D
Entries 58
Mean 0.01462
Std Dev 0.413

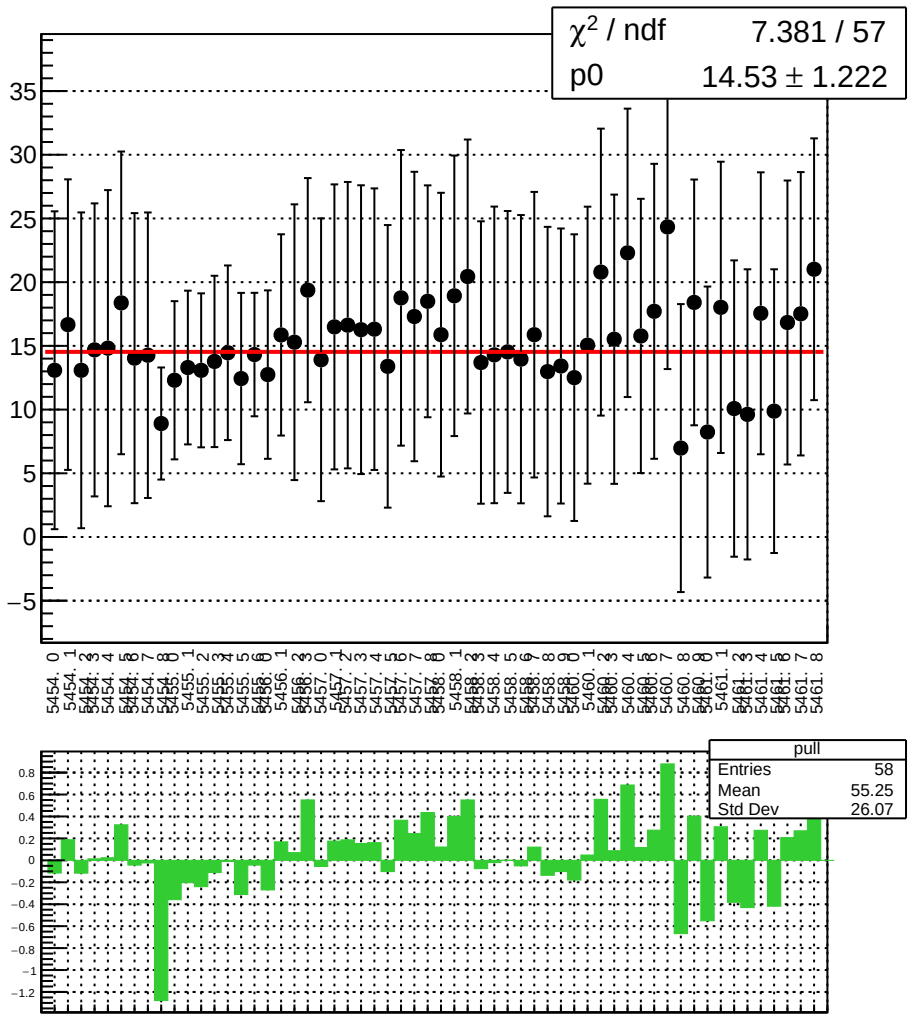

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 26.73 / 57
p0 −54.64 ± 1.46
pull
Entries 58
Mean 91.61
Std Dev 58.53
pull1D
Entries 58
Mean −0.04792
Std Dev 0.6772

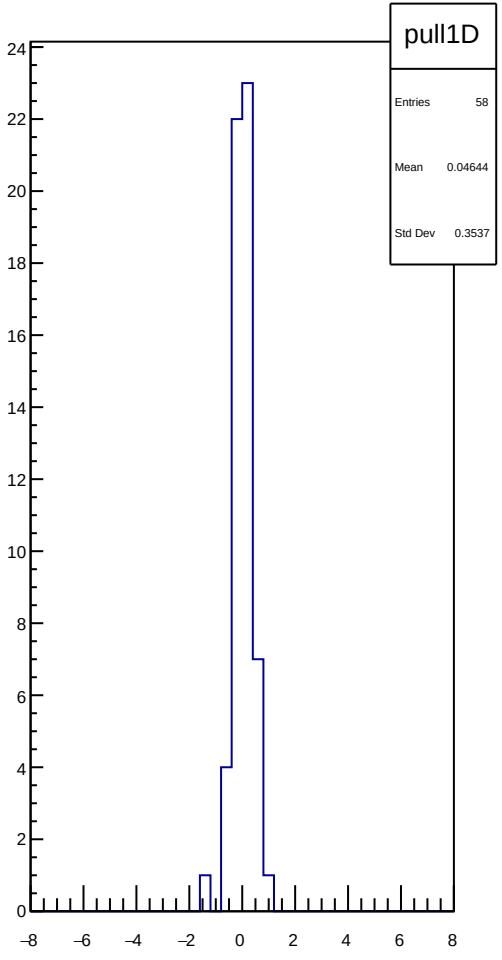

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.836 / 57
p0 −8.82 ± 0.9993
pull
Entries 58
Mean 50.43
Std Dev 20.56

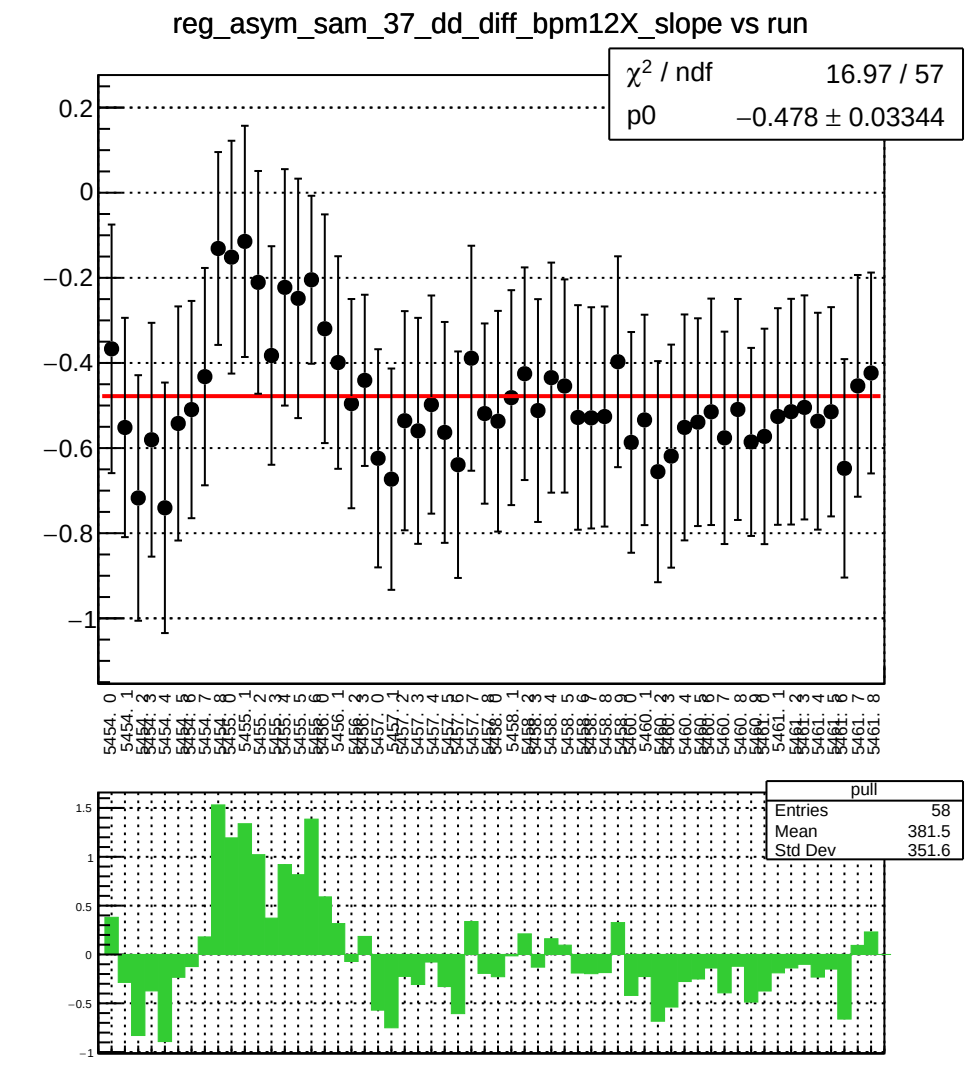

pull1D
Entries 58
Mean −0.05722
Std Dev 0.3631

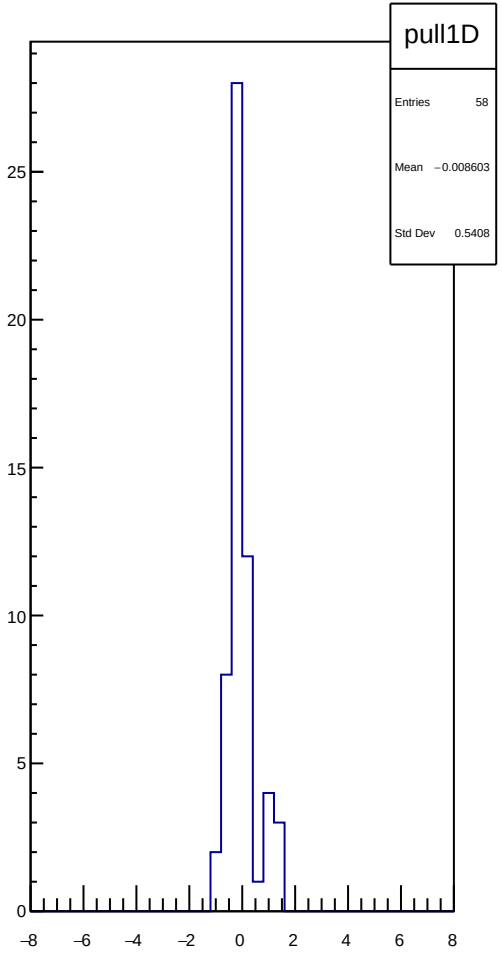

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.06 / 57
p0 11.09 ± 1.409
pull
Entries 58
Mean 108
Std Dev 76.68

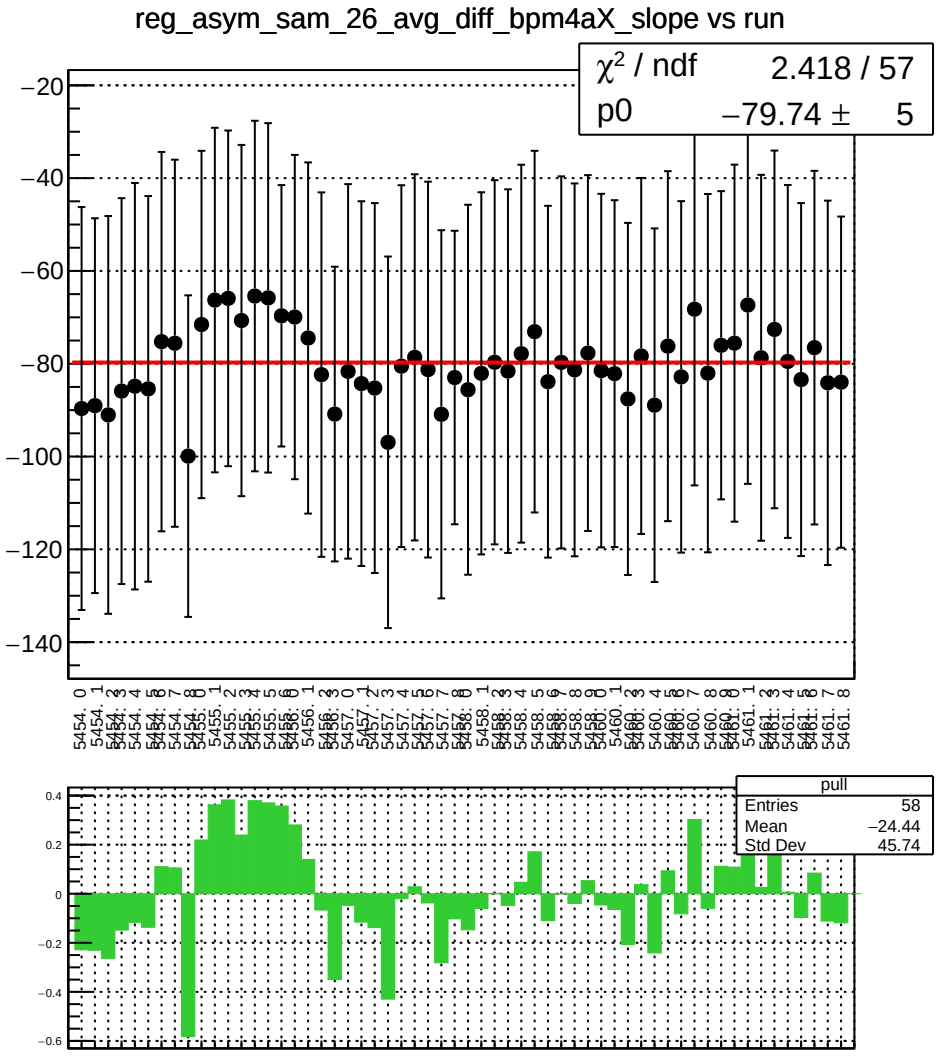

pull1D
Entries 58
Mean 0.04607
Std Dev 0.6815

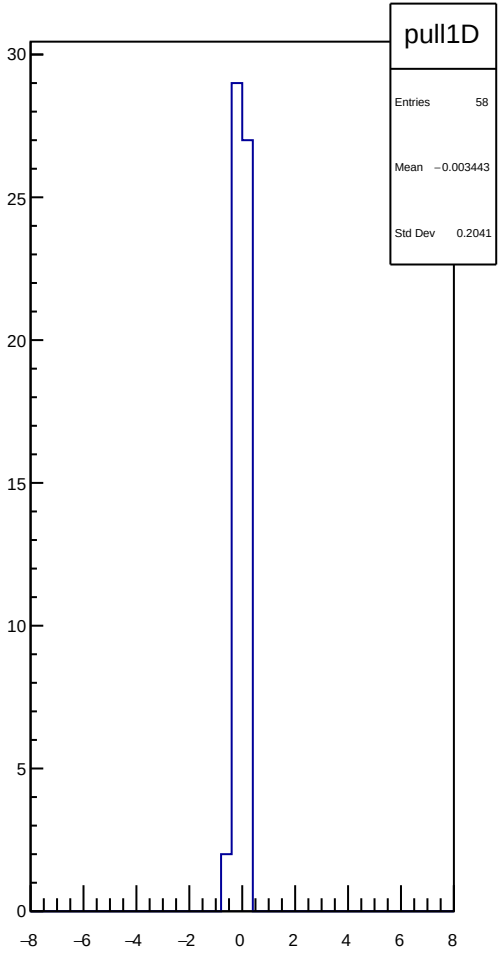

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.381 / 57
p0 14.53 ± 1.222
pull
Entries 58
Mean 55.25
Std Dev 26.07

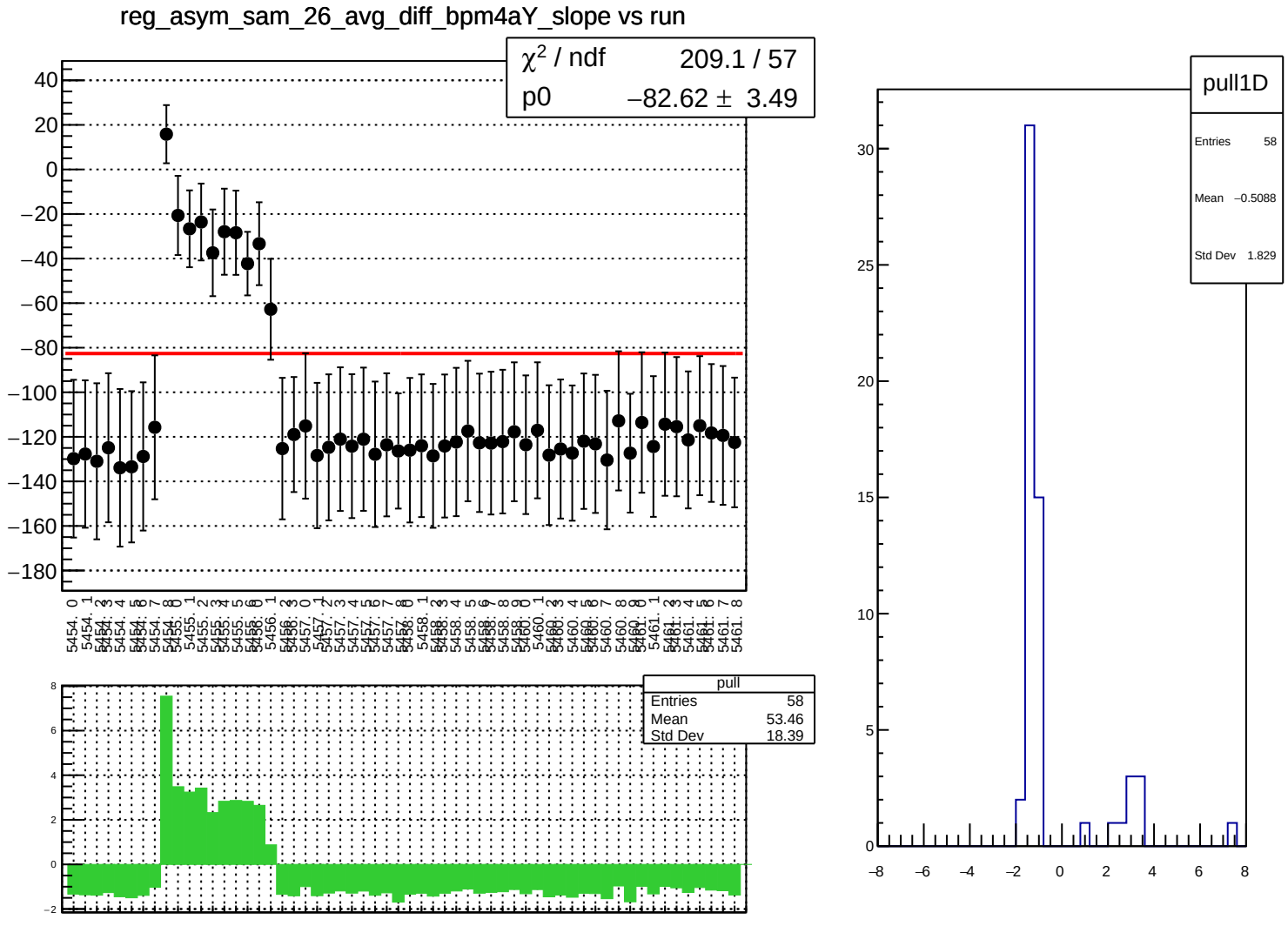

pull1D
Entries 58
Mean 0.04644
Std Dev 0.3537

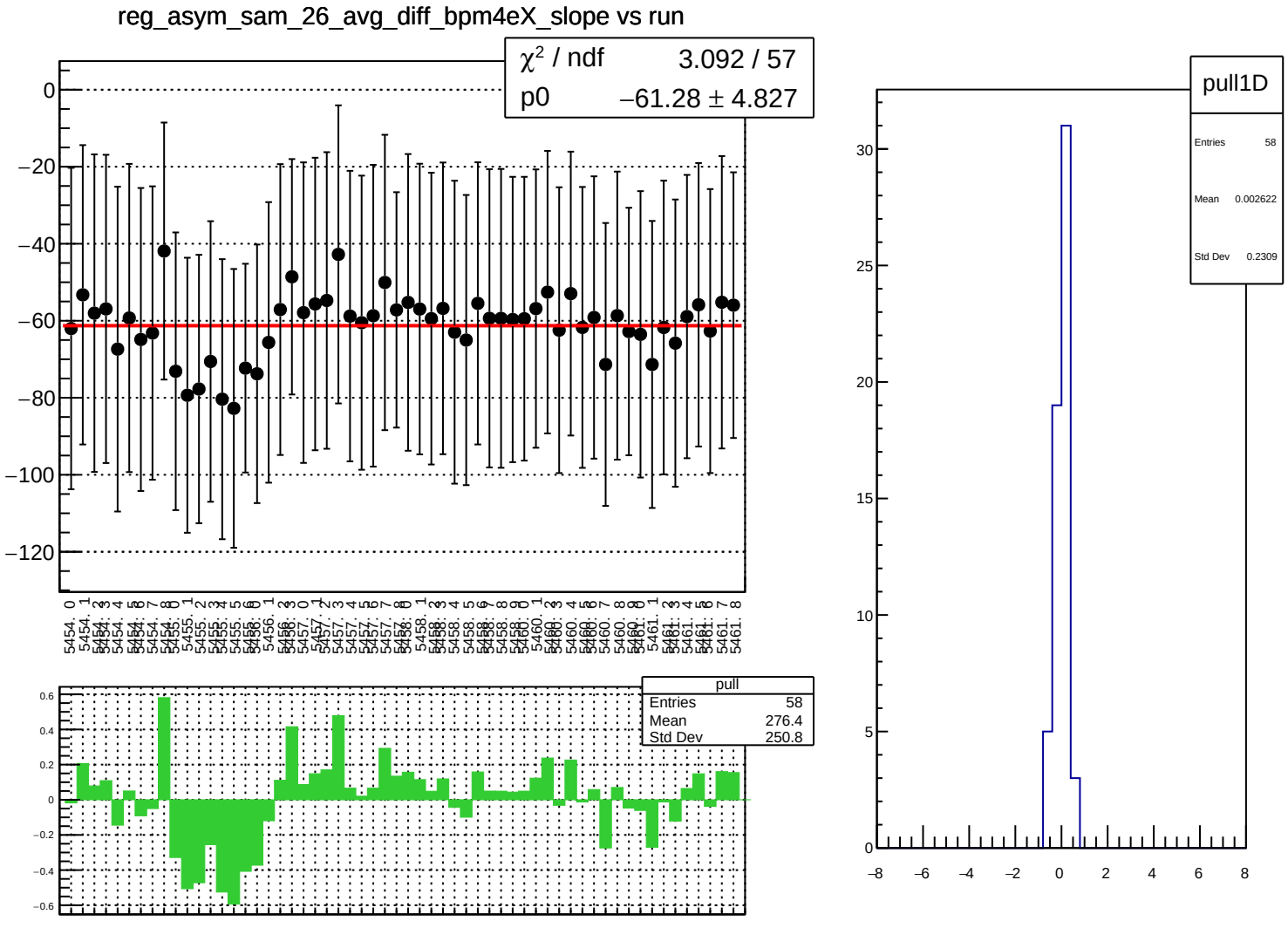

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 16.97 / 57
p0 −0.478 ± 0.03344
pull
Entries 58
Mean 381.5
Std Dev 351.6

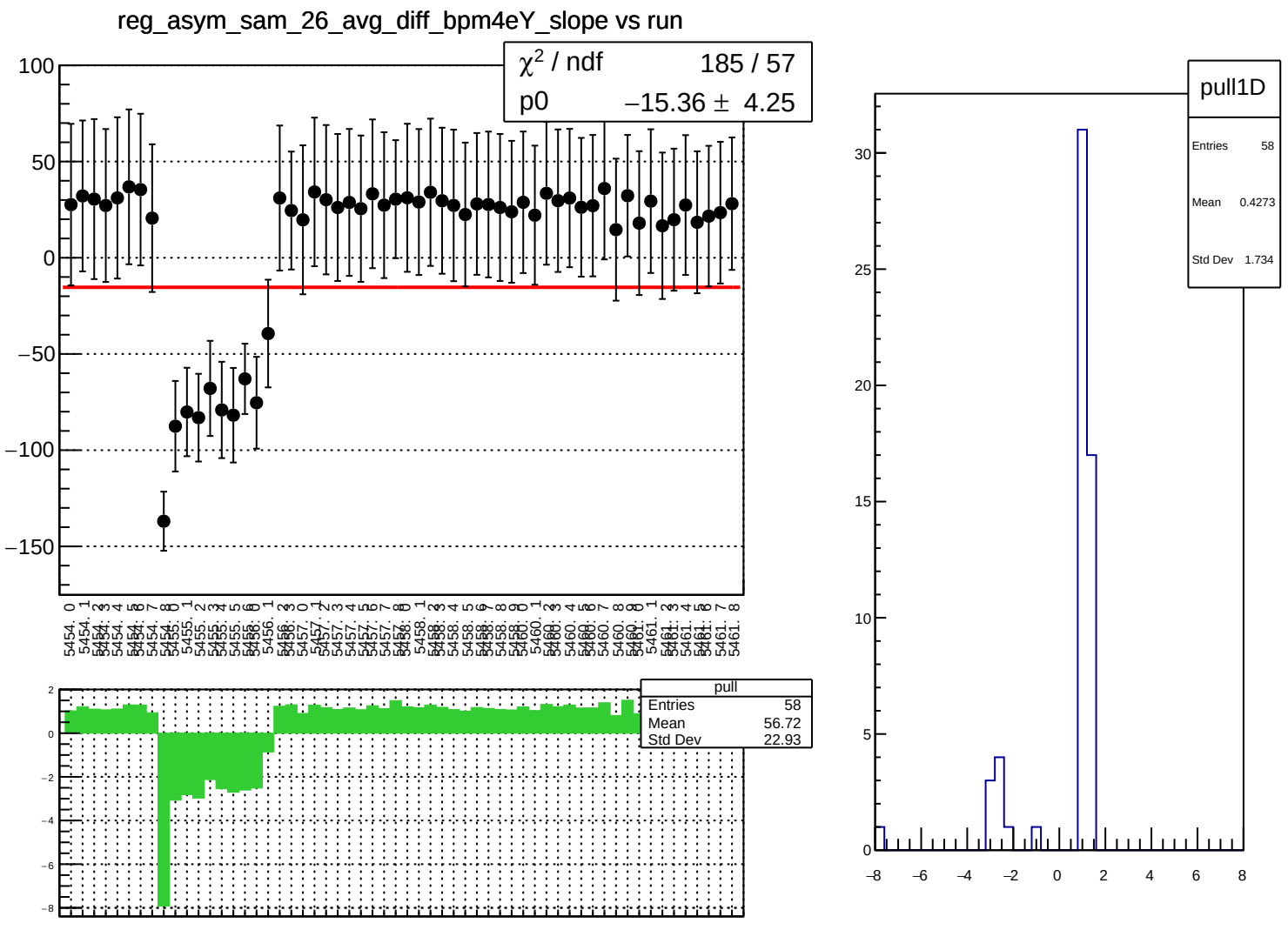

pull1D
Entries 58
Mean −0.008603
Std Dev 0.5408

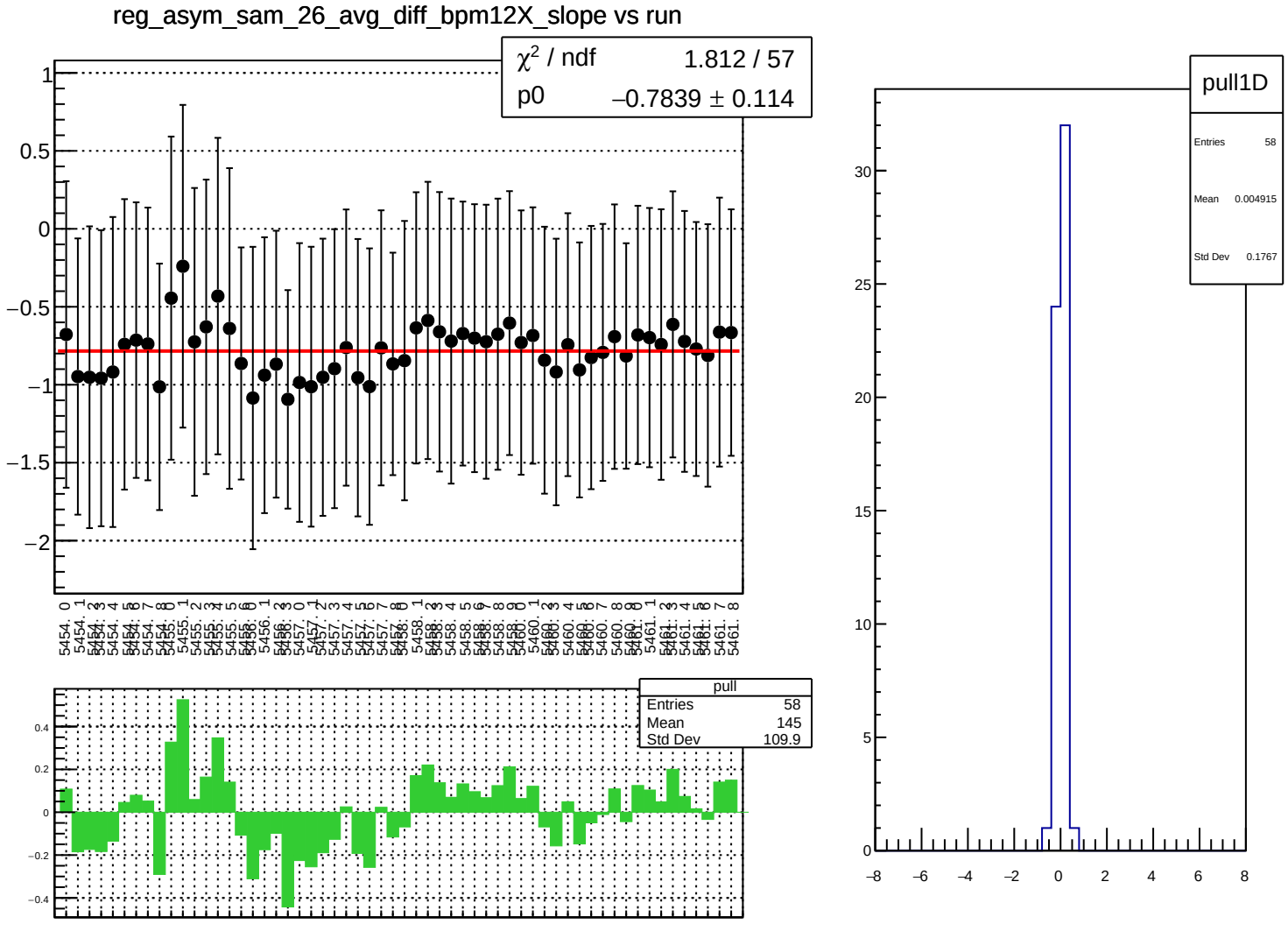

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.418 / 57
p0 −79.74 ± 5
pull
Entries 58
Mean −24.44
Std Dev 45.74

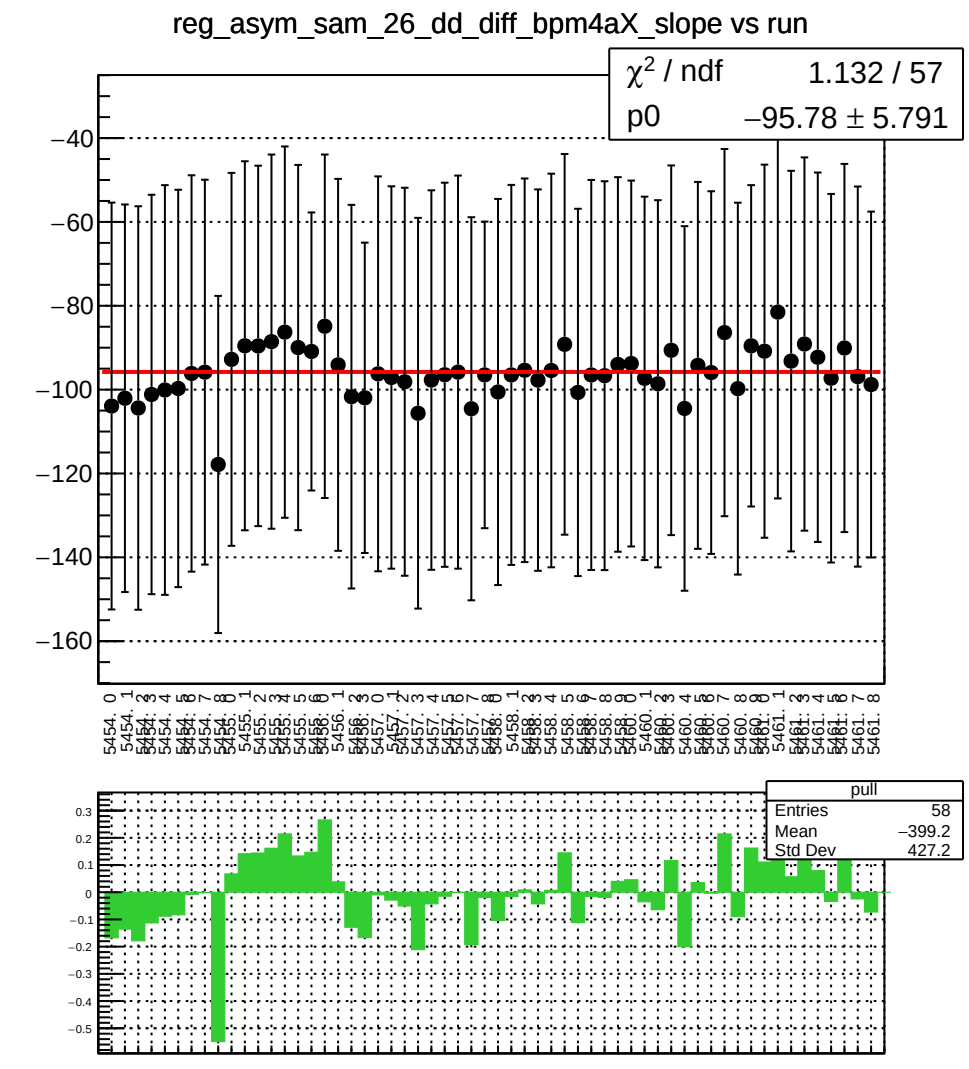

pull1D
Entries 58
Mean −0.003443
Std Dev 0.2041

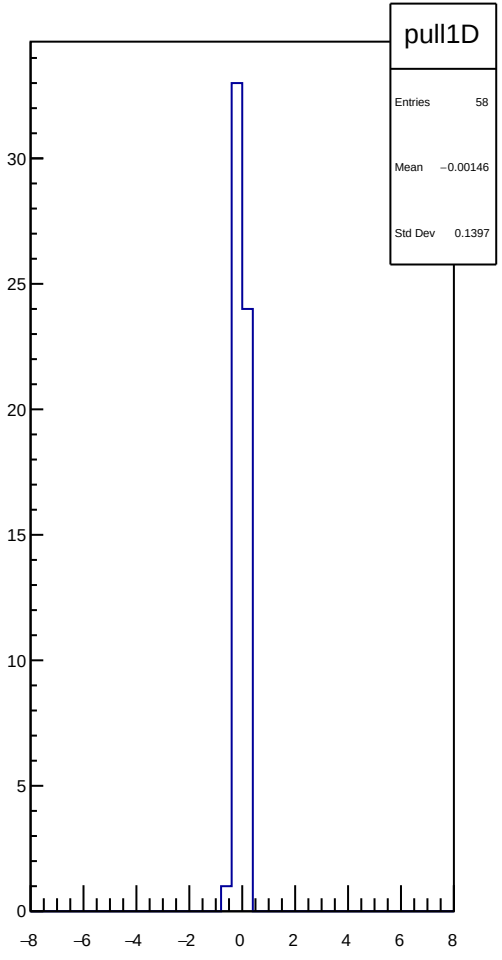

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 209.1 / 57
p0 −82.62 ± 3.49
pull
Entries 58
Mean 53.46
Std Dev 18.39
pull1D
Entries 58
Mean −0.5088
Std Dev 1.829

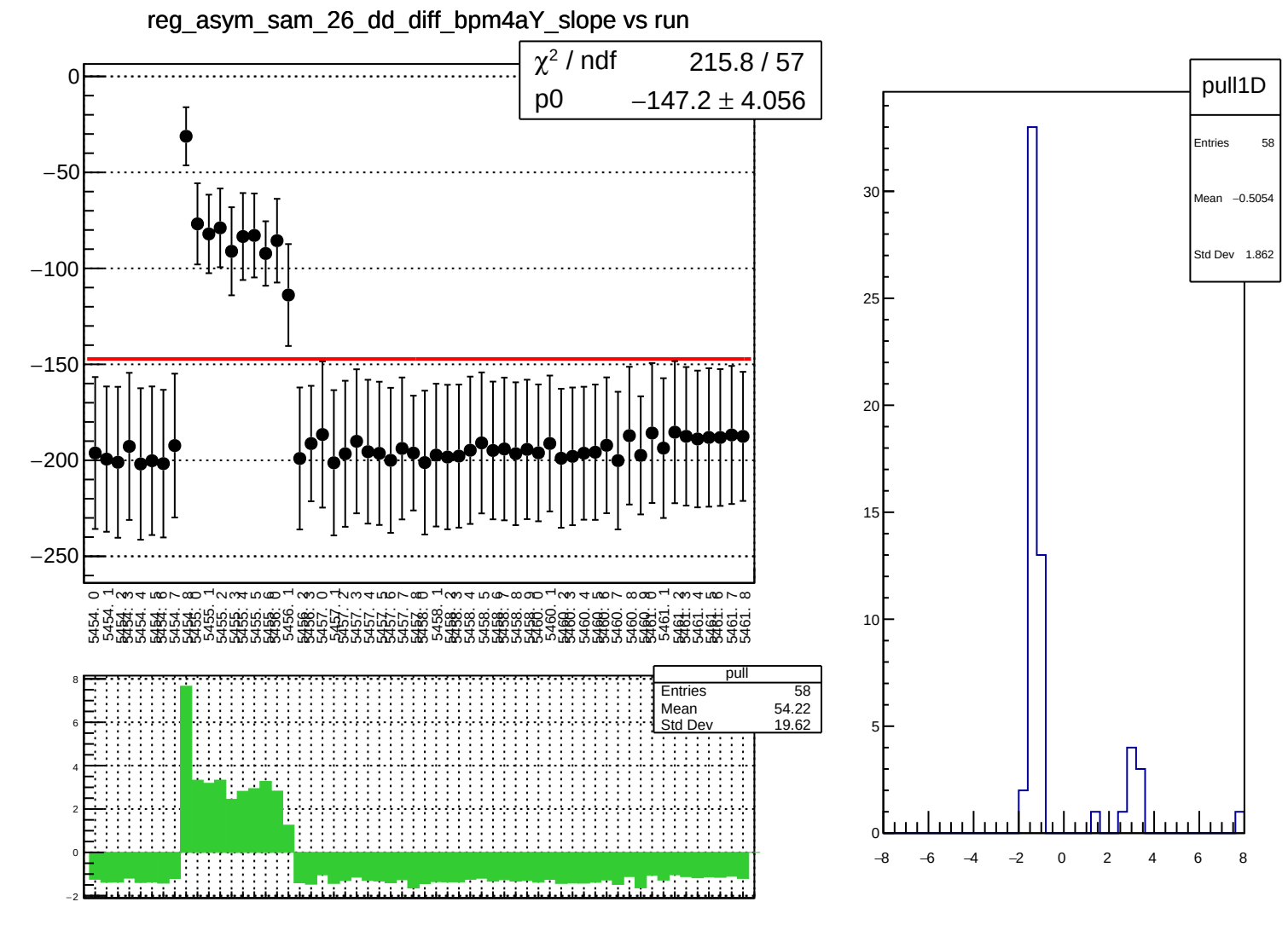

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.092 / 57
p0 −61.28 ± 4.827
pull
Entries 58
Mean 276.4
Std Dev 250.8
pull1D
Entries 58
Mean 0.002622
Std Dev 0.2309

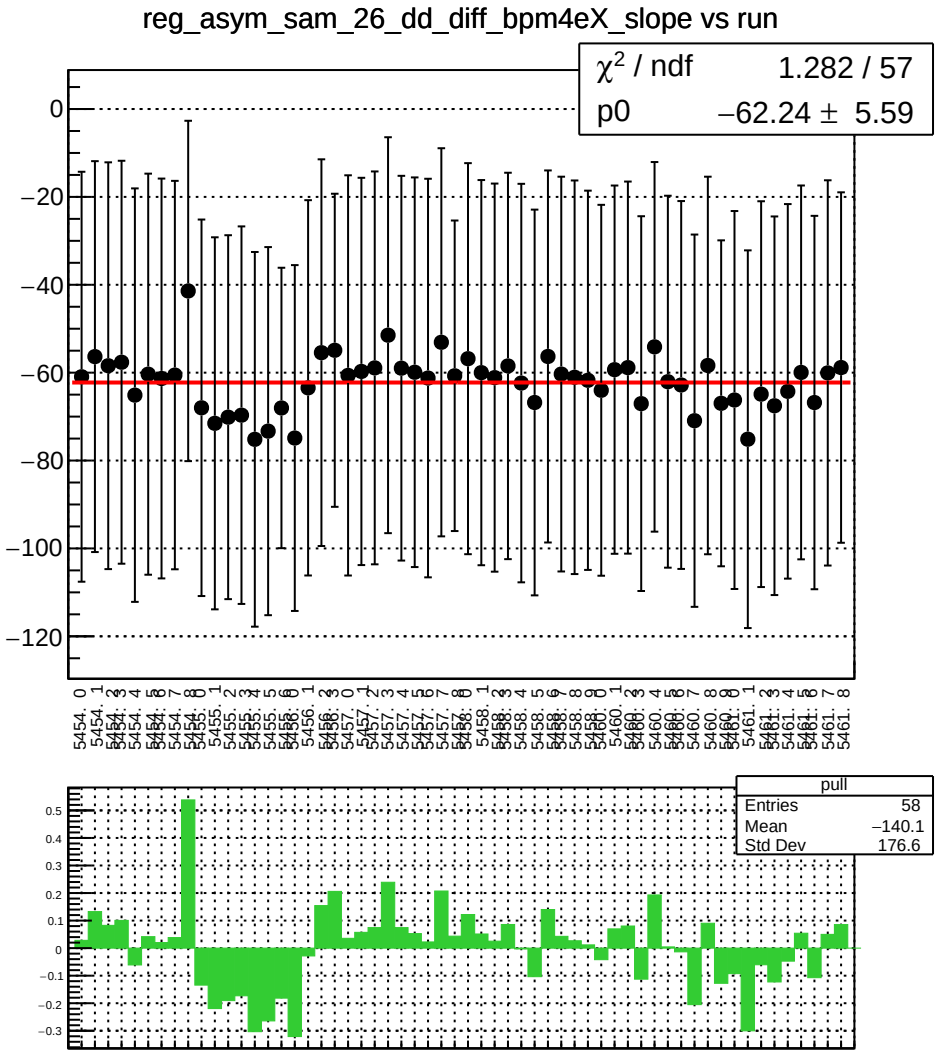

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 185 / 57
p0 −15.36 ± 4.25
pull
Entries 58
Mean 56.72
Std Dev 22.93
pull1D
Entries 58
Mean 0.4273
Std Dev 1.734

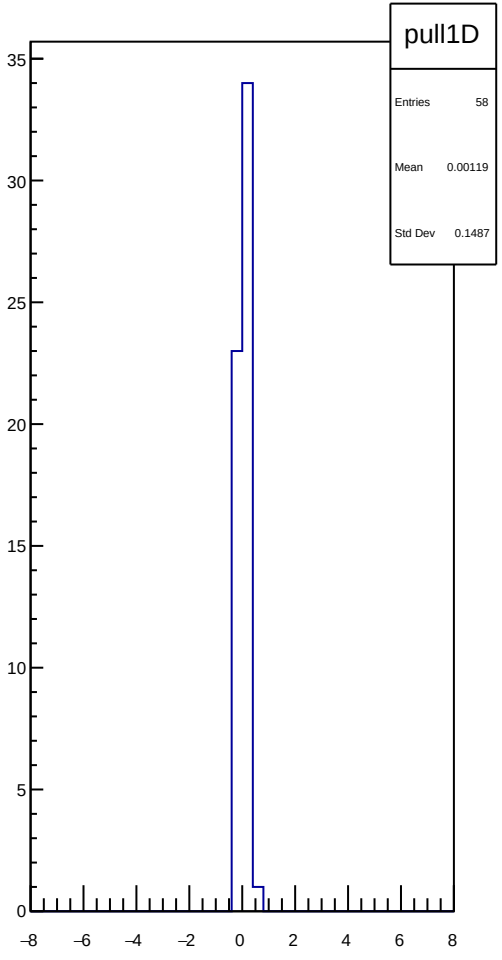

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.812 / 57
p0 −0.7839 ± 0.114
pull
Entries 58
Mean 145
Std Dev 109.9
pull1D
Entries 58
Mean 0.004915
Std Dev 0.1767

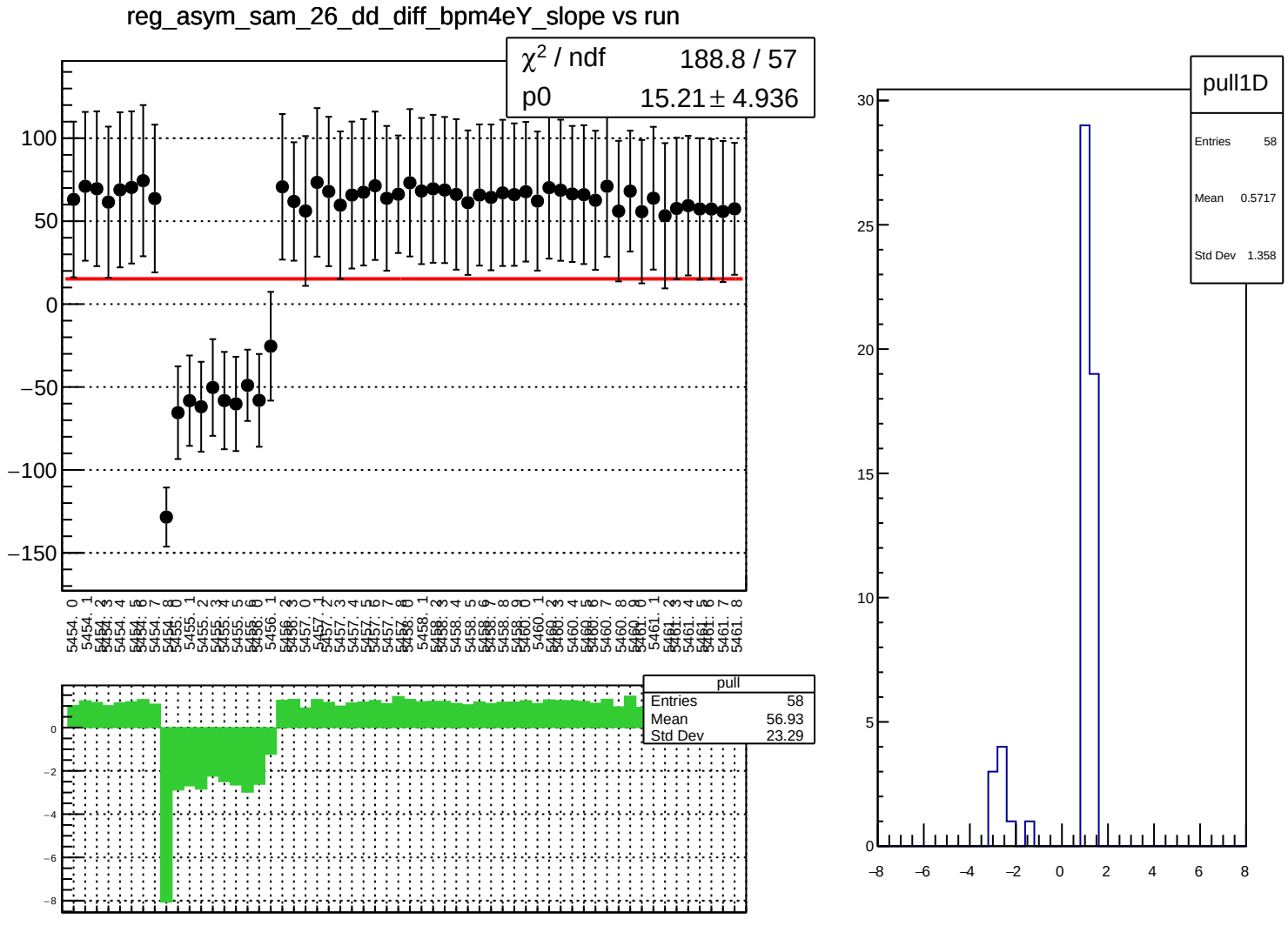

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.132 / 57
p0 −95.78 ± 5.791
pull
Entries 58
Mean −399.2
Std Dev 427.2

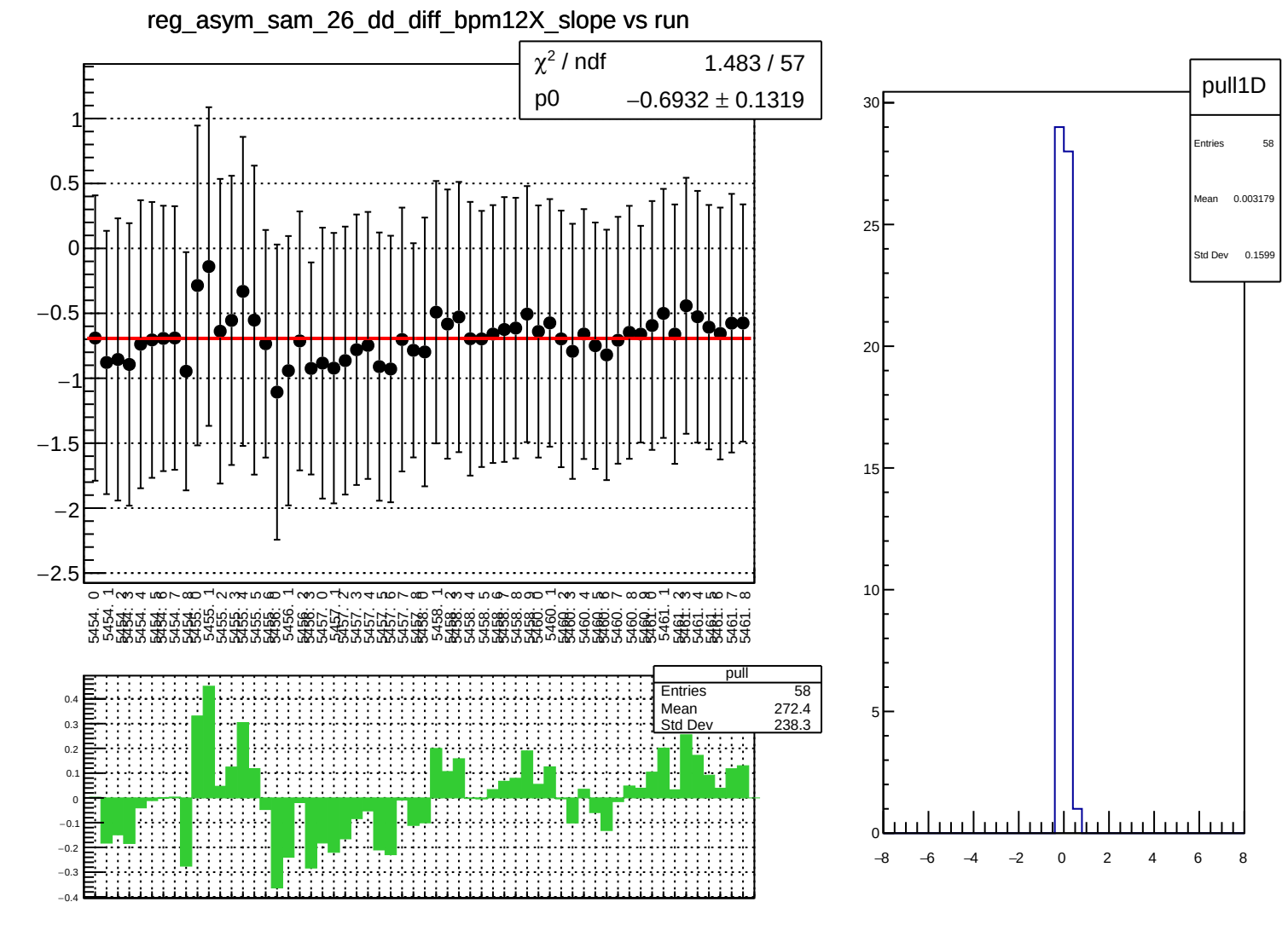

pull1D
Entries 58
Mean −0.00146
Std Dev 0.1397

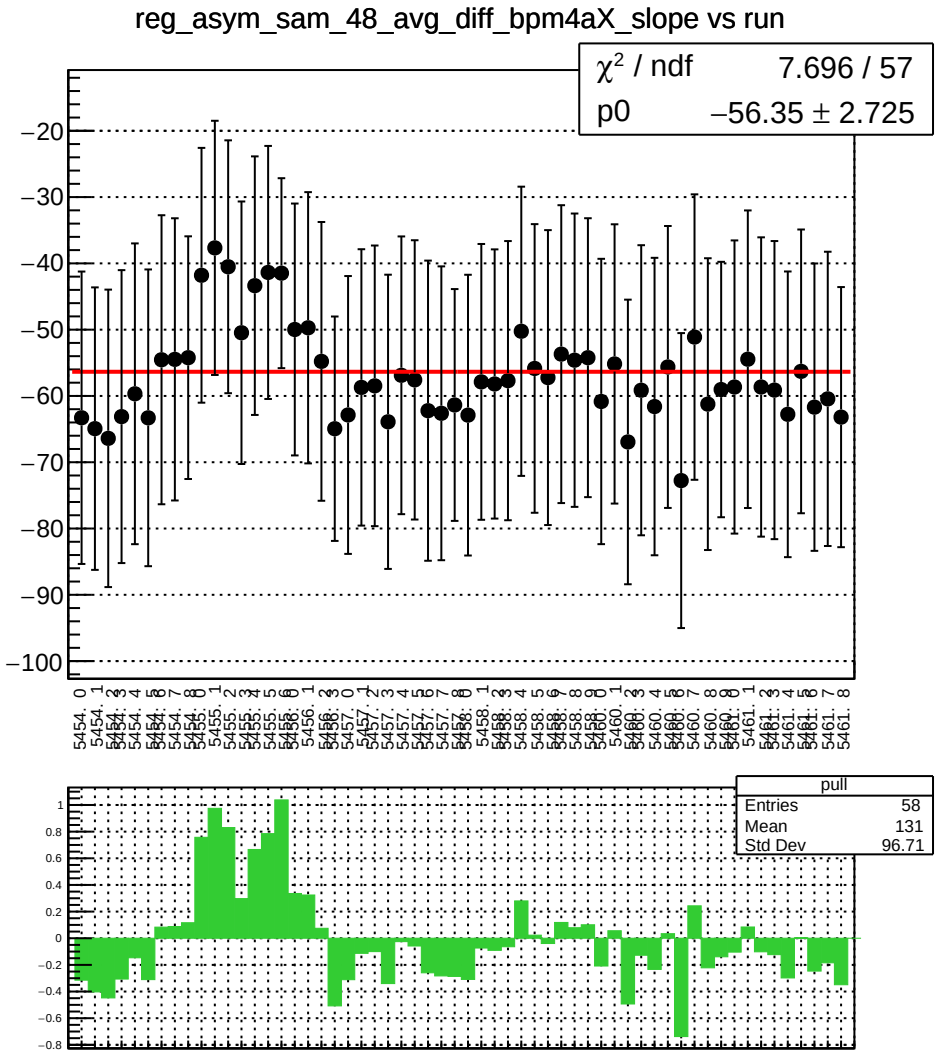

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 215.8 / 57
p0 −147.2 ± 4.056
pull
Entries 58
Mean 54.22
Std Dev 19.62
pull1D
Entries 58
Mean −0.5054
Std Dev 1.862

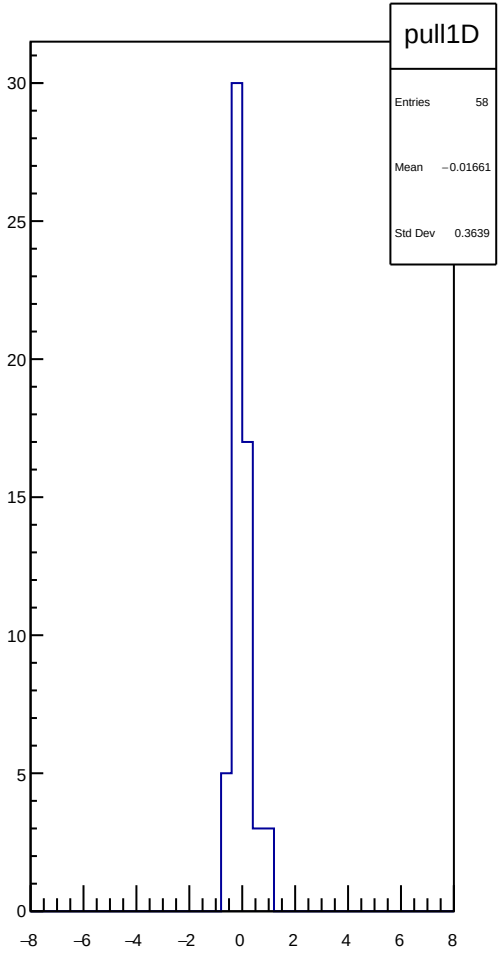

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.282 / 57
p0 −62.24 ± 5.59
pull
Entries 58
Mean −140.1
Std Dev 176.6

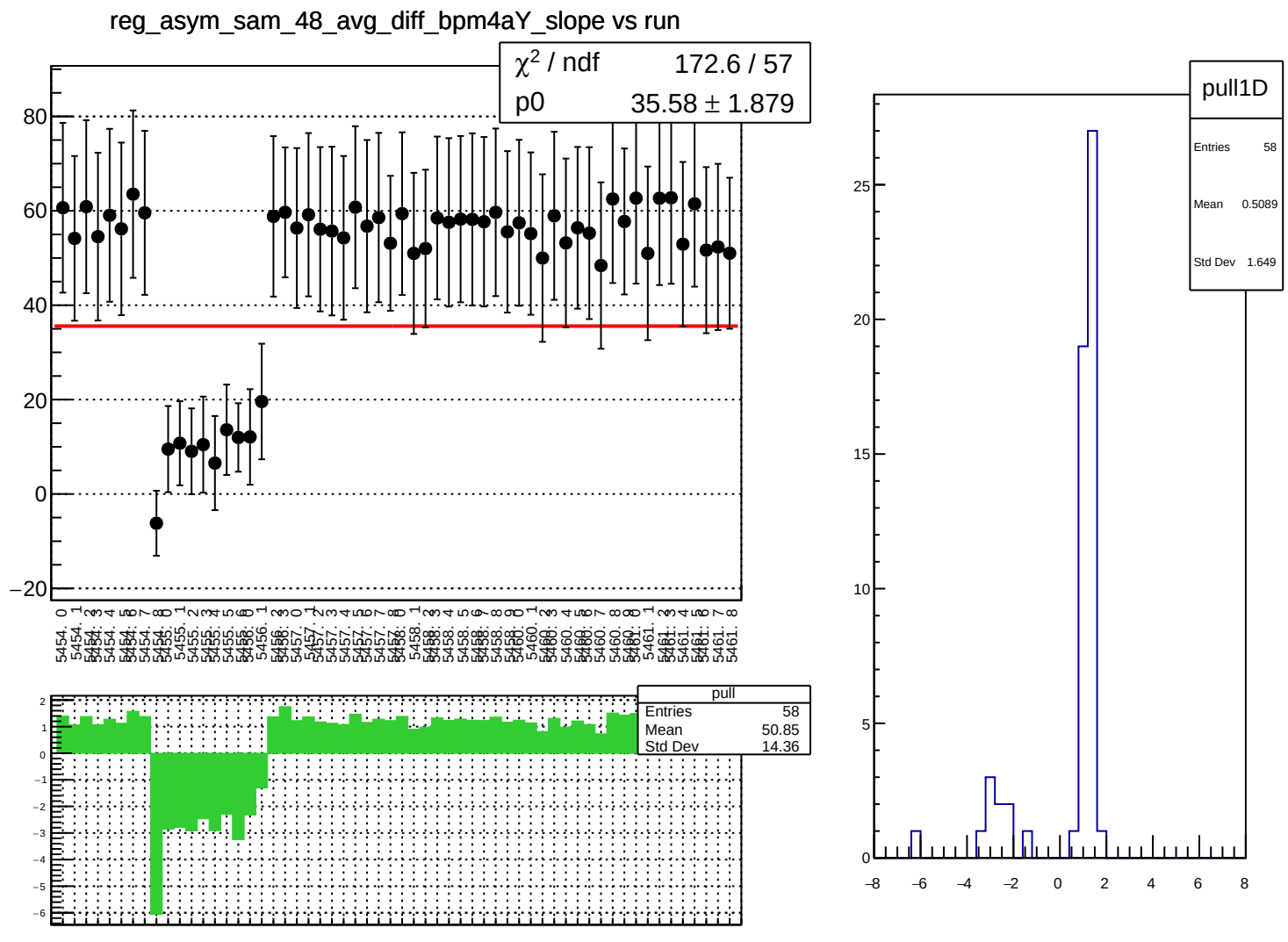

pull1D
Entries 58
Mean 0.00119
Std Dev 0.1487

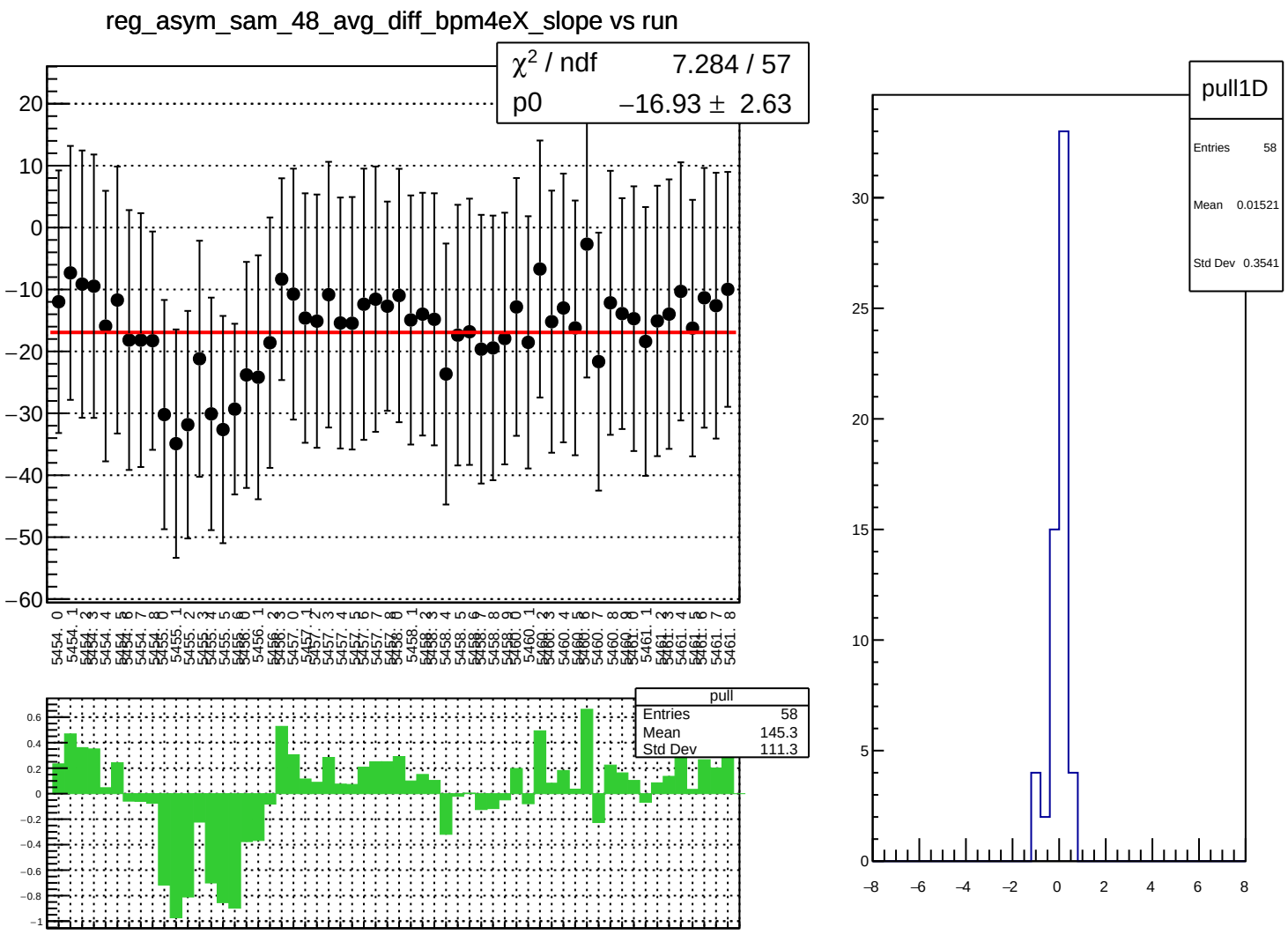

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 188.8 / 57
p0 15.21 ± 4.936
100
50
0
−50
−100
−150
pull
Entries 58
Mean 56.93
Std Dev 23.29
pull1D
Entries 58
Mean 0.5717
Std Dev 1.358
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

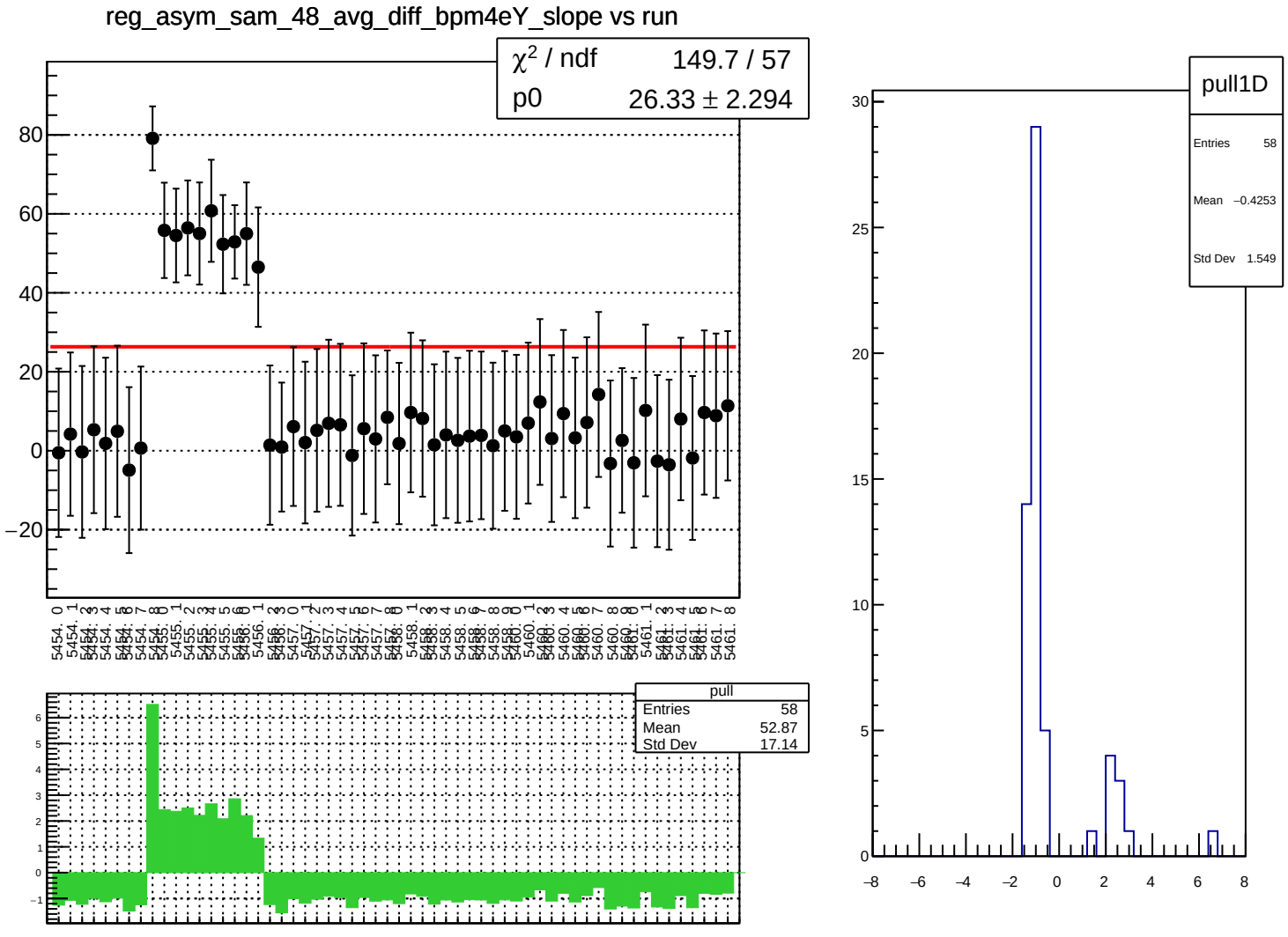

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.483 / 57
p0 −0.6932 ± 0.1319
pull
Entries 58
Mean 272.4
Std Dev 238.3
pull1D
Entries 58
Mean 0.003179
Std Dev 0.1599

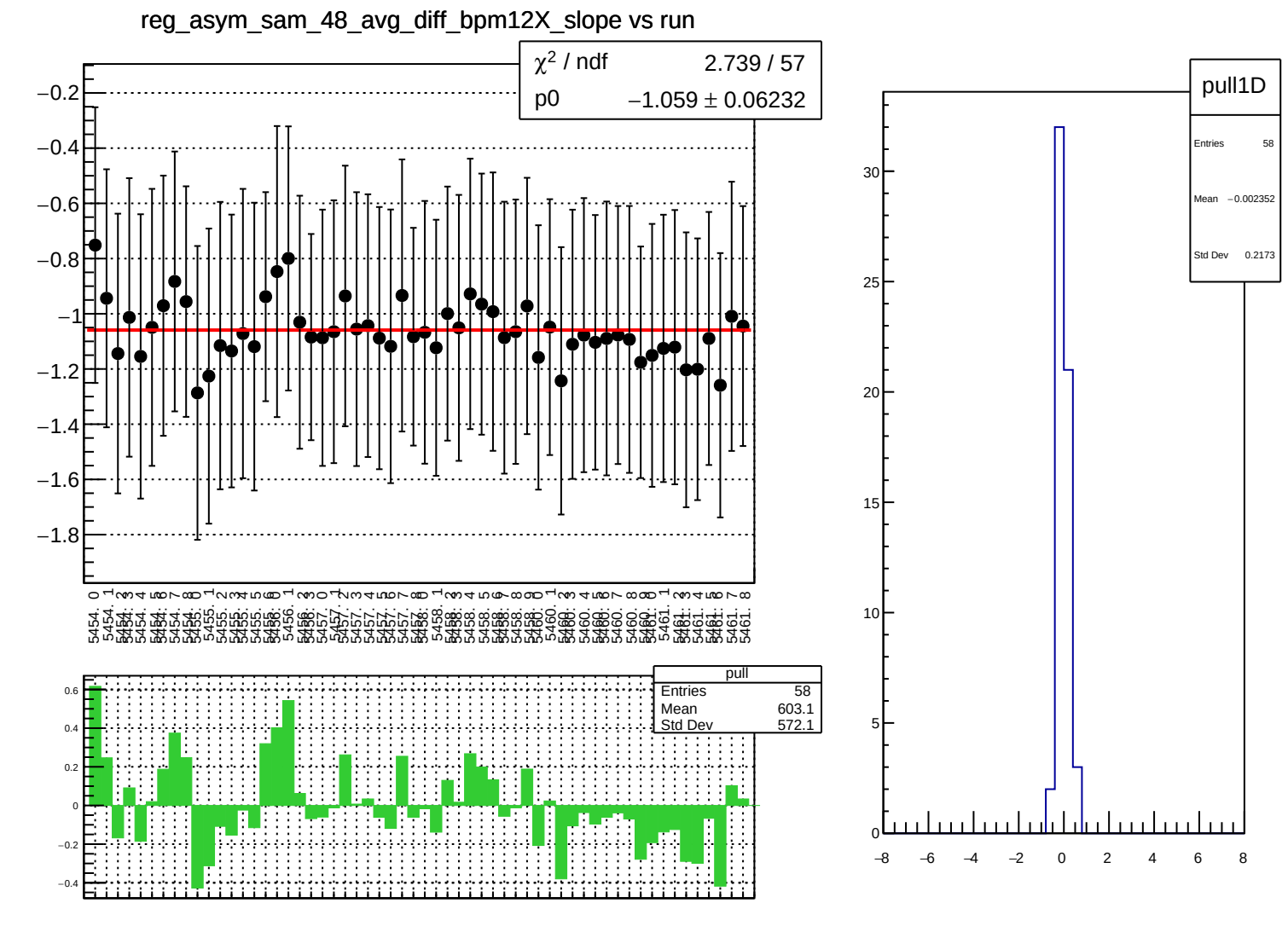

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.696 / 57
p0 −56.35 ± 2.725
pull
Entries 58
Mean 131
Std Dev 96.71

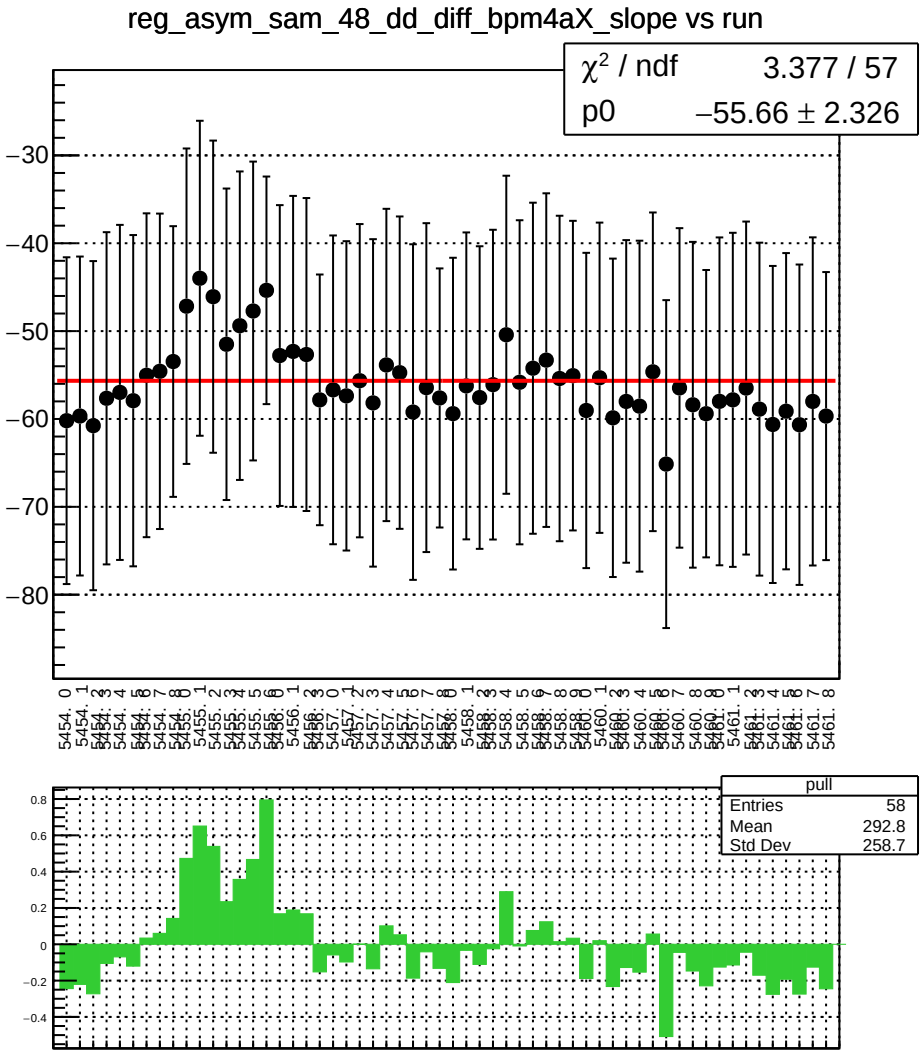

pull1D
Entries 58
Mean −0.01661
Std Dev 0.3639

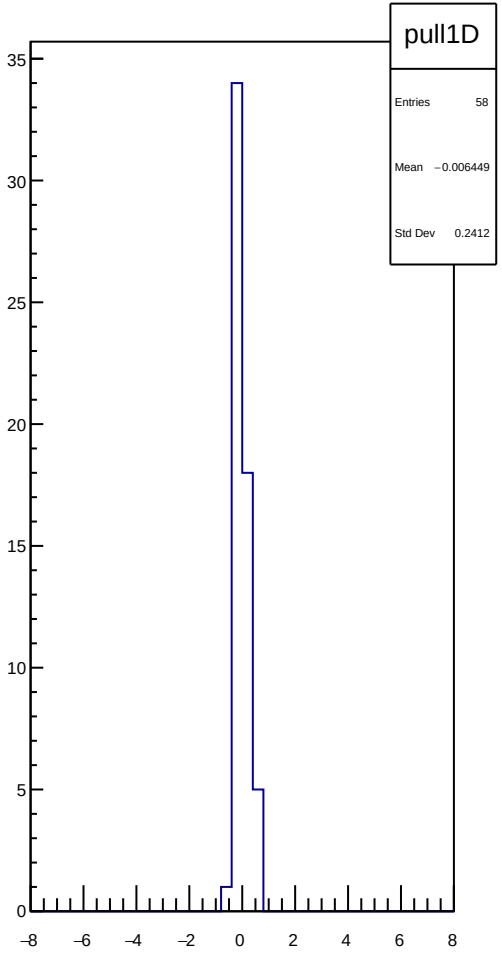

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 172.6 / 57
p0 35.58 ± 1.879
pull
Entries 58
Mean 50.85
Std Dev 14.36
pull1D
Entries 58
Mean 0.5089
Std Dev 1.649

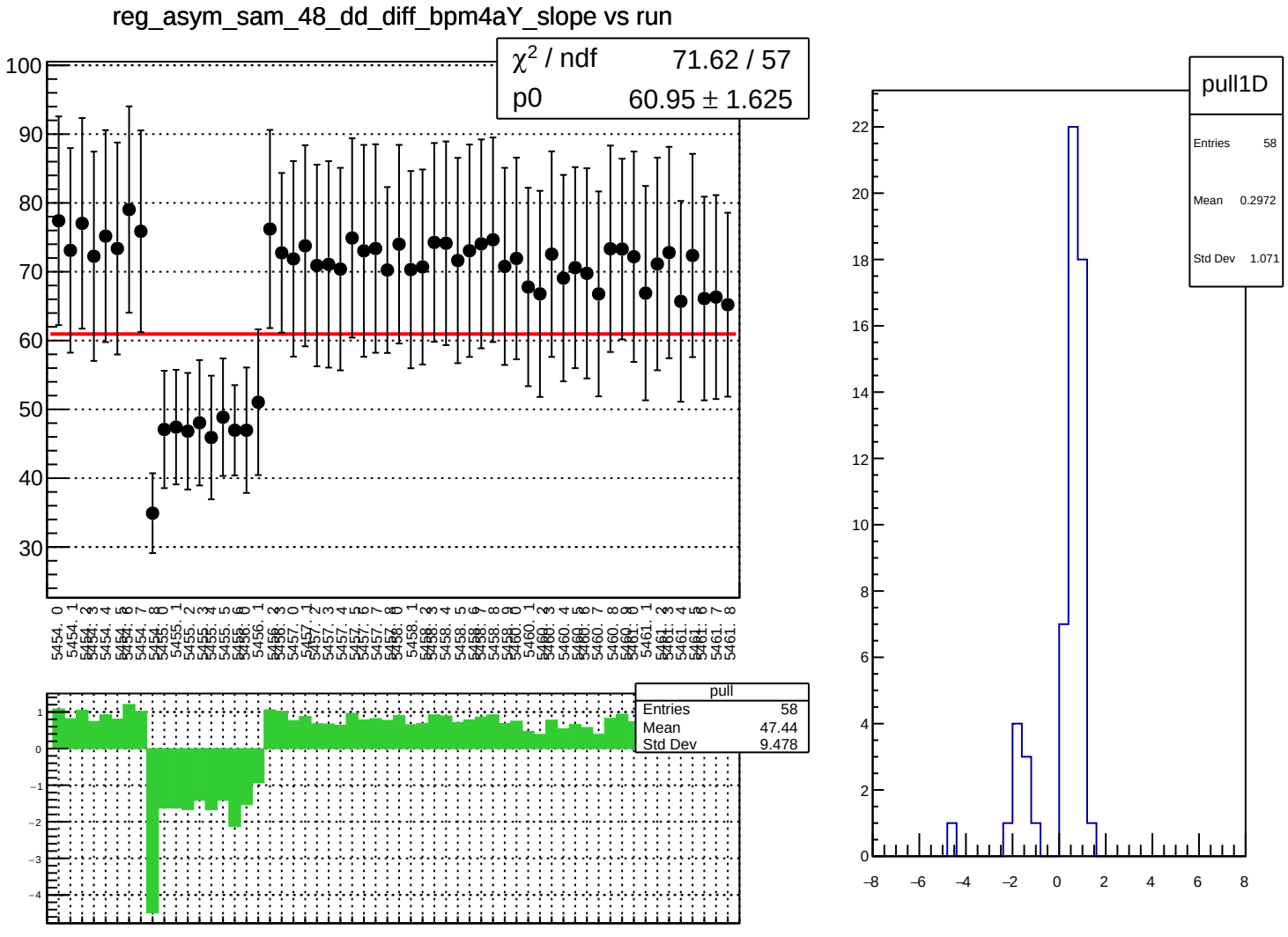

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.284 / 57
p0 −16.93 ± 2.63
pull
Entries 58
Mean 145.3
Std Dev 111.3
pull1D
Entries 58
Mean 0.01521
Std Dev 0.3541

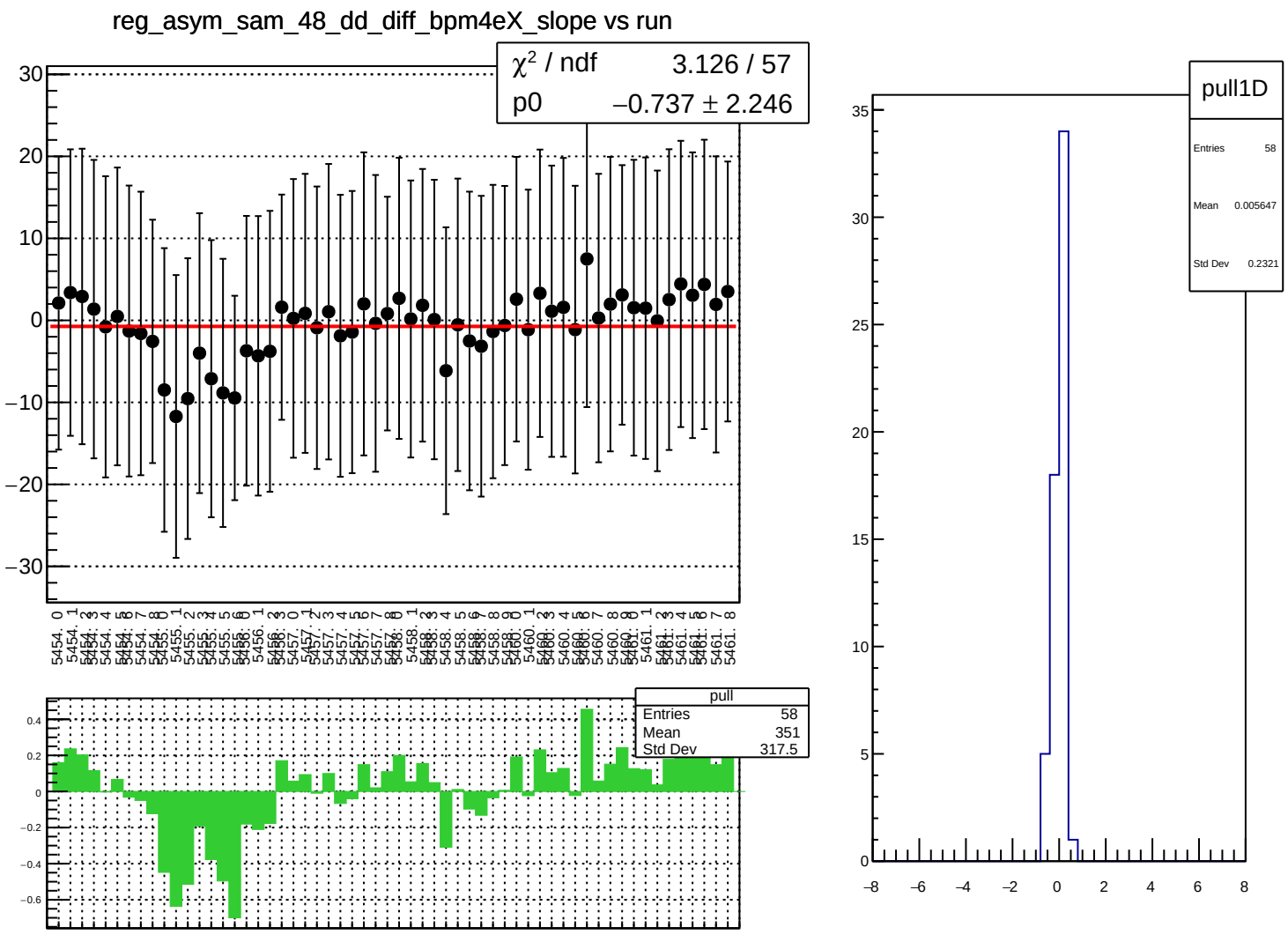

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 149.7 / 57
p0 26.33 ± 2.294
pull
Entries 58
Mean 52.87
Std Dev 17.14
pull1D
Entries 58
Mean −0.4253
Std Dev 1.549

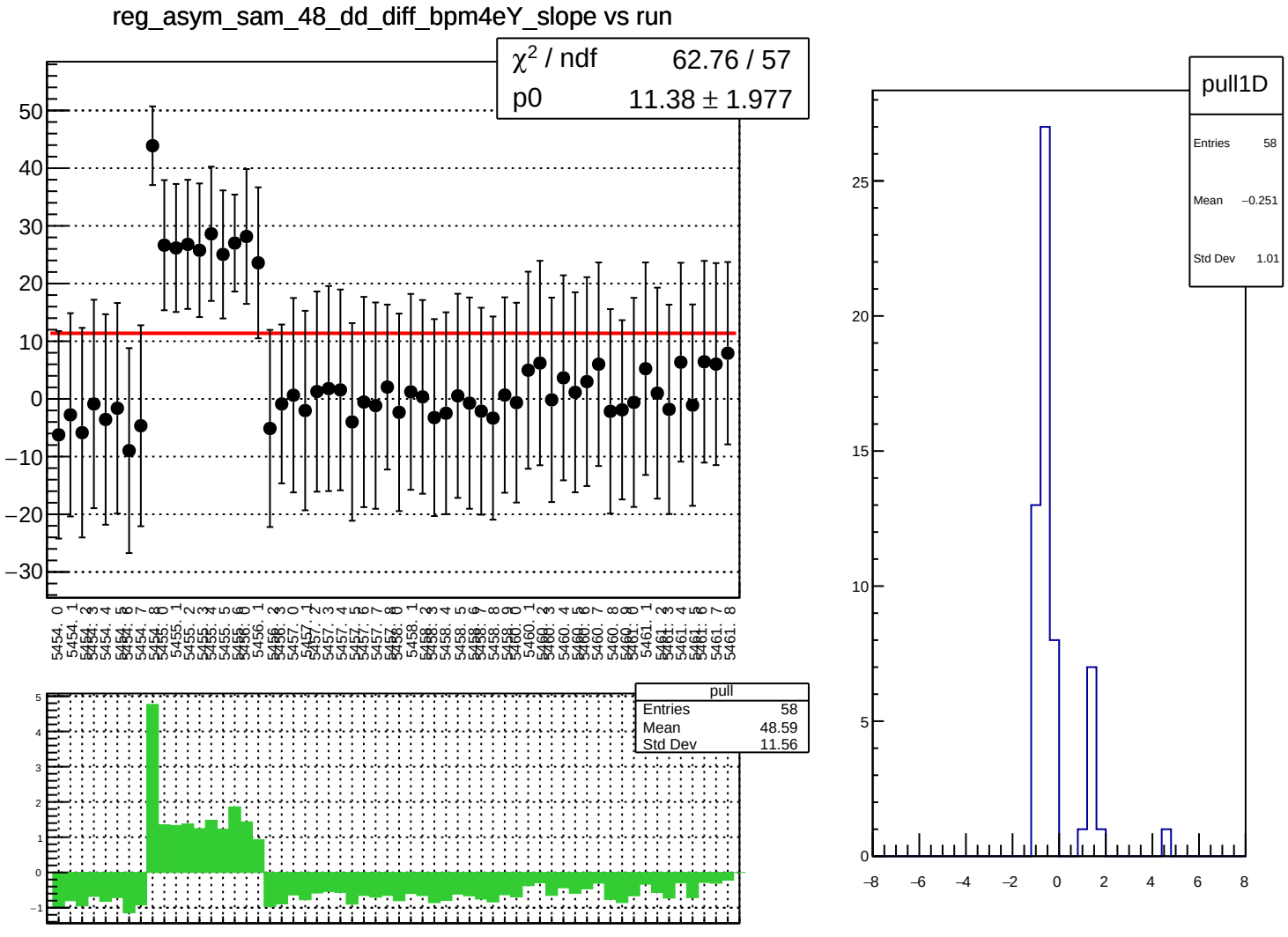

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 2.739 / 57
p0 −1.059 ± 0.06232
pull
Entries 58
Mean 603.1
Std Dev 572.1
pull1D
Entries 58
Mean −0.002352
Std Dev 0.2173

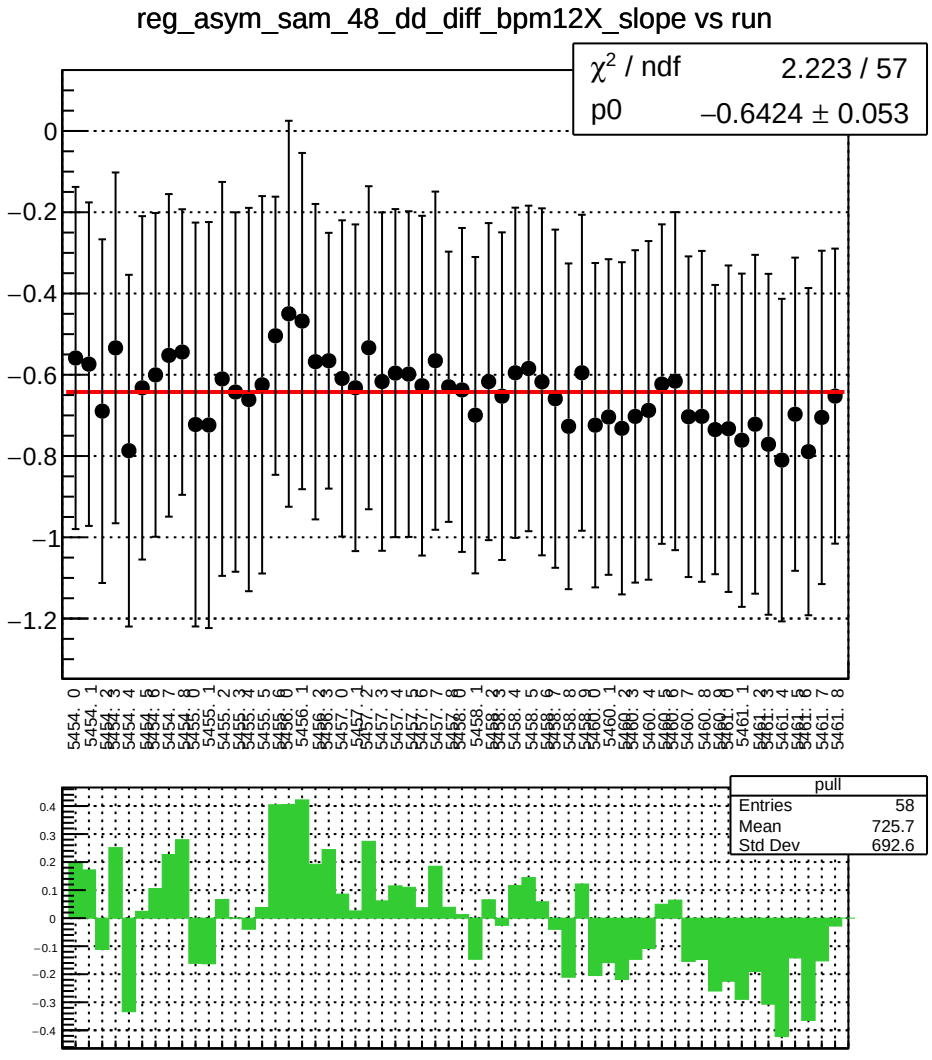

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.377 / 57
p0 −55.66 ± 2.326
pull
Entries 58
Mean 292.8
Std Dev 258.7

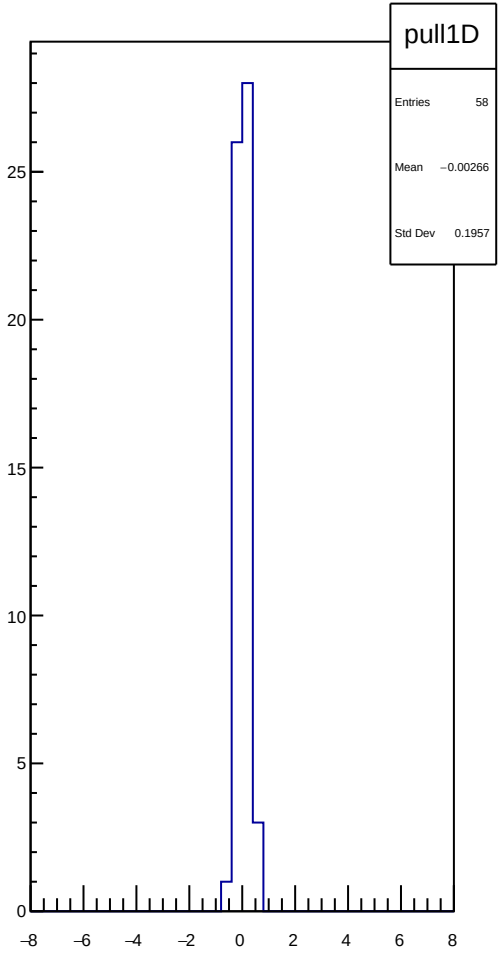

pull1D
Entries 58
Mean −0.006449
Std Dev 0.2412

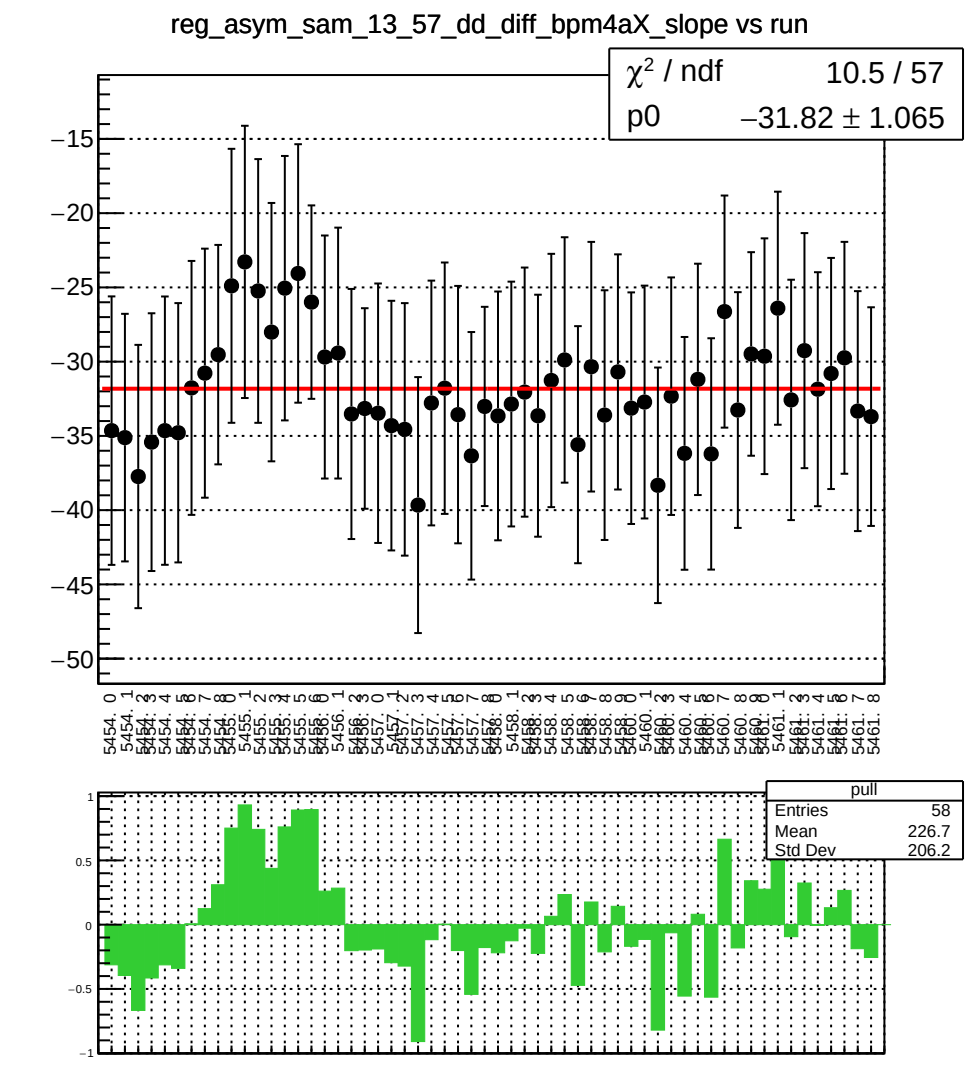

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.62 / 57
p0 60.95 ± 1.625
pull
Entries 58
Mean 47.44
Std Dev 9.478
pull1D
Entries 58
Mean 0.2972
Std Dev 1.071

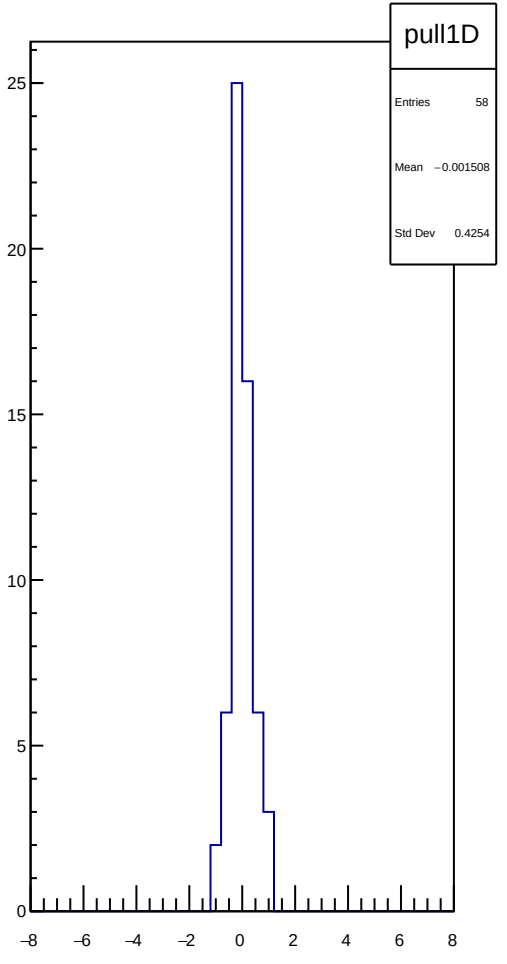

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.126 / 57
p0 −0.737 ± 2.246
pull
Entries 58
Mean 351
Std Dev 317.5
pull1D
Entries 58
Mean 0.005647
Std Dev 0.2321

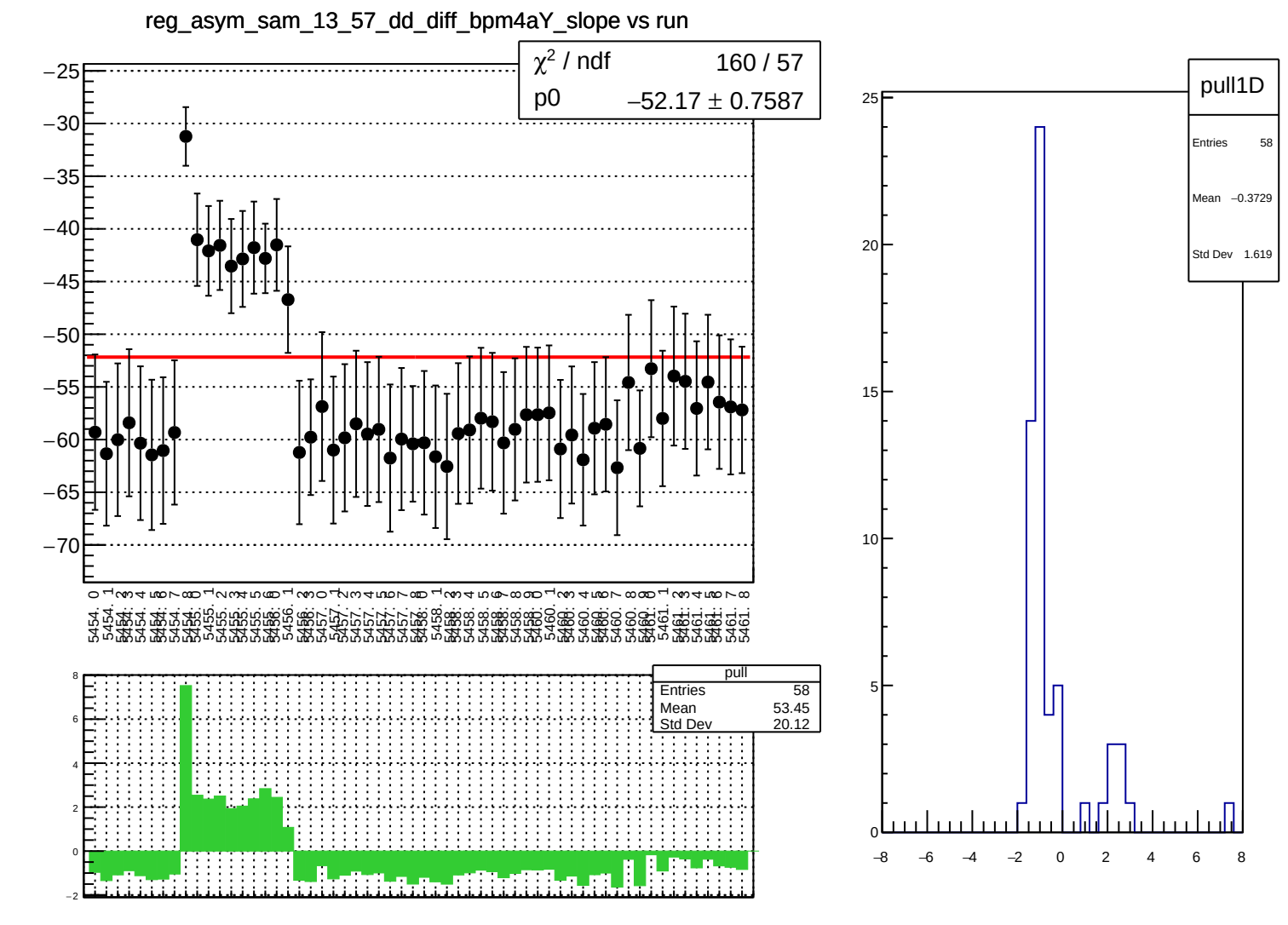

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.76 / 57
p0 11.38 ± 1.977
pull
Entries 58
Mean 48.59
Std Dev 11.56
pull1D
Entries 58
Mean −0.251
Std Dev 1.01

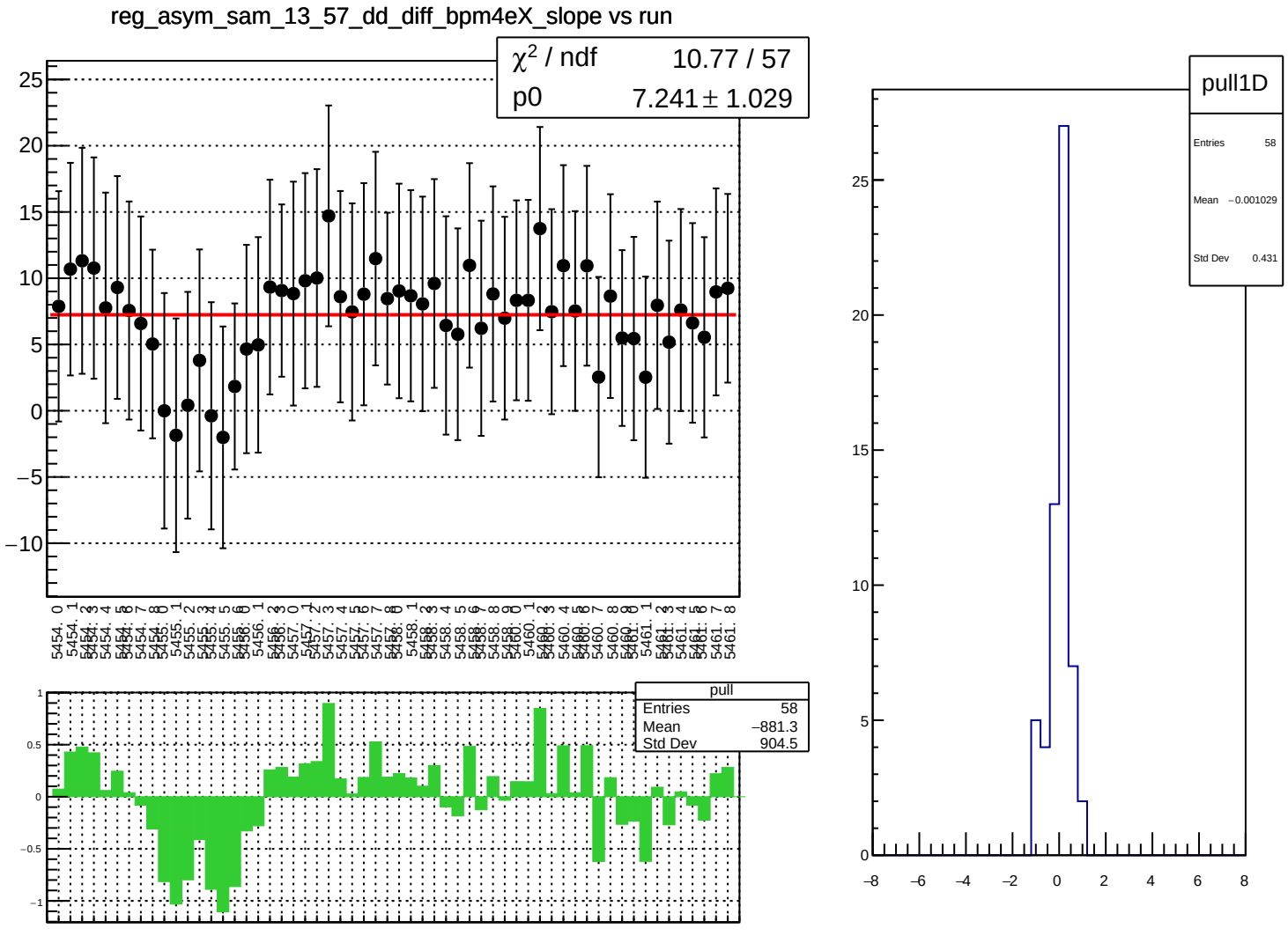

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.223 / 57
p0 −0.6424 ± 0.053
pull
Entries 58
Mean 725.7
Std Dev 692.6

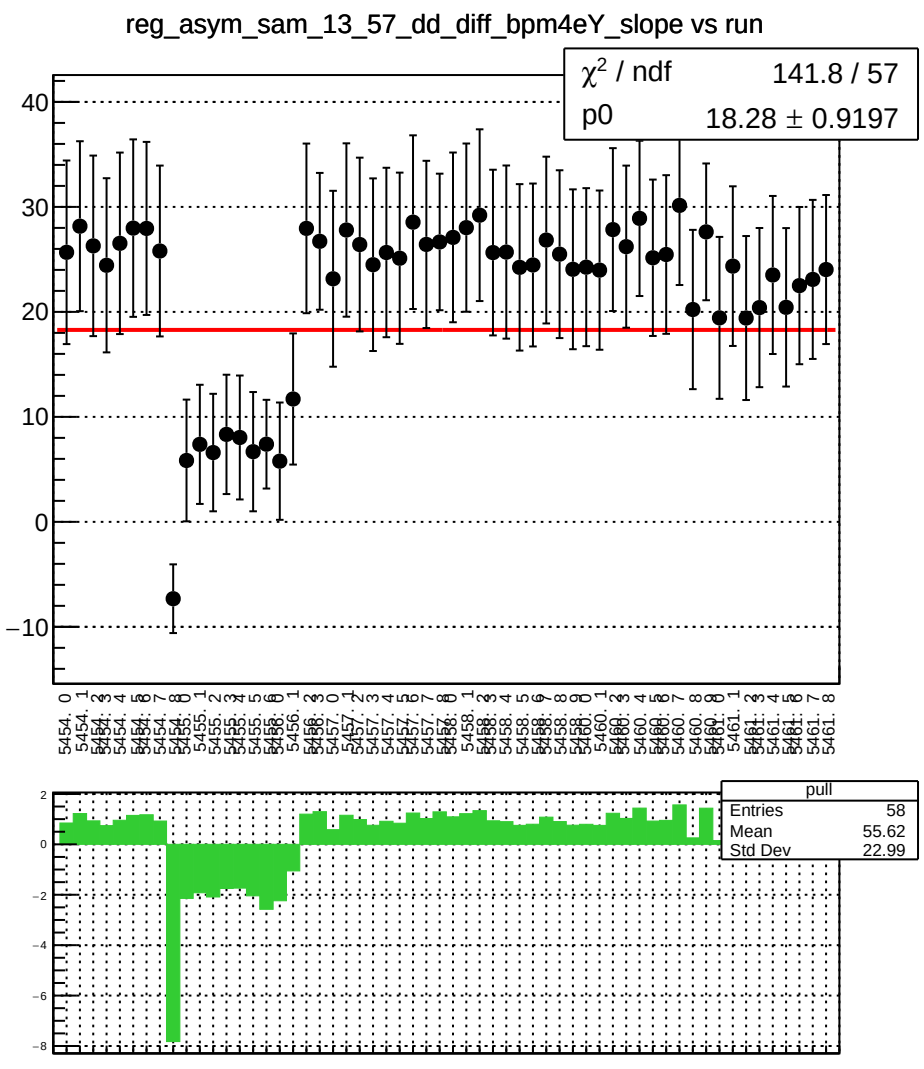

pull1D
Entries 58
Mean −0.00266
Std Dev 0.1957

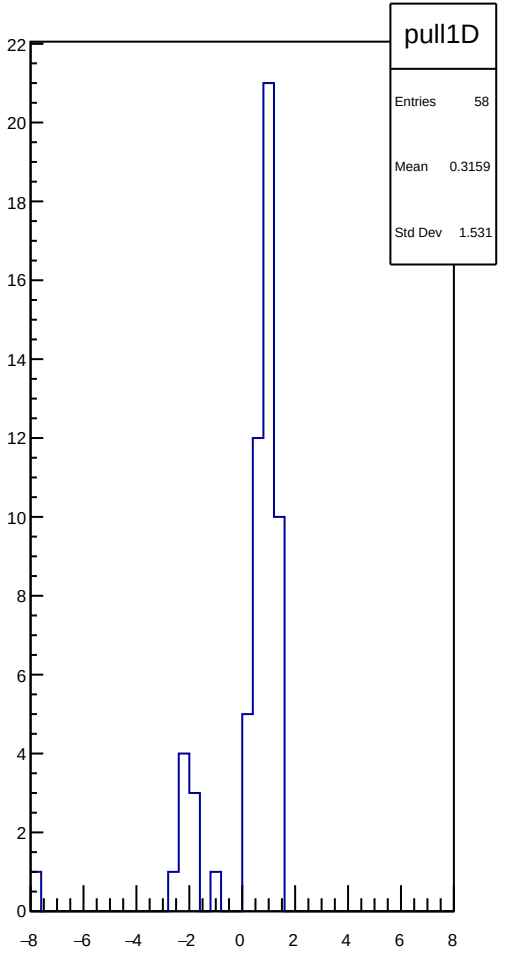

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.5 / 57
p0 −31.82 ± 1.065
pull
Entries 58
Mean 226.7
Std Dev 206.2

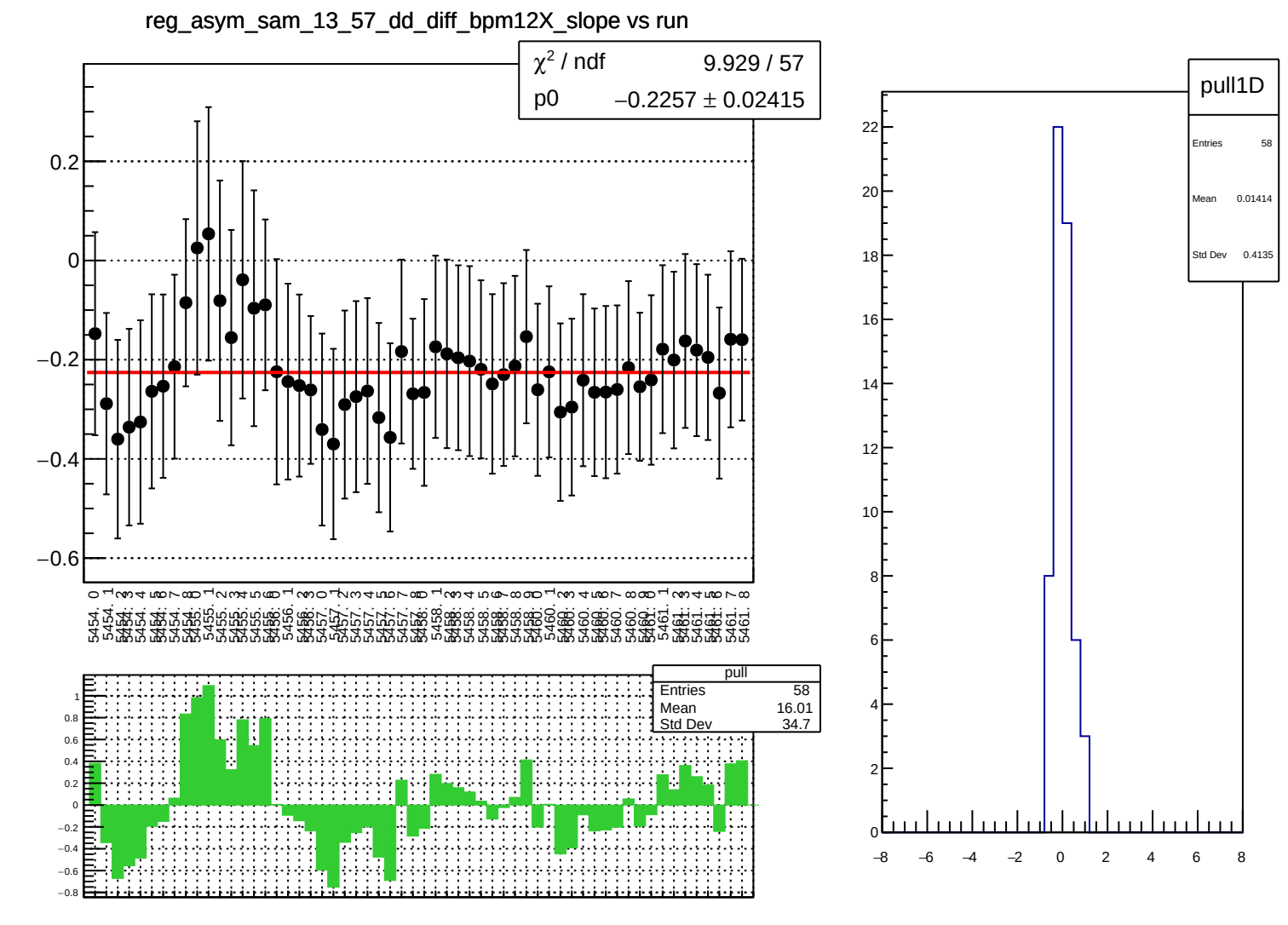

pull1D
Entries 58
Mean −0.001508
Std Dev 0.4254

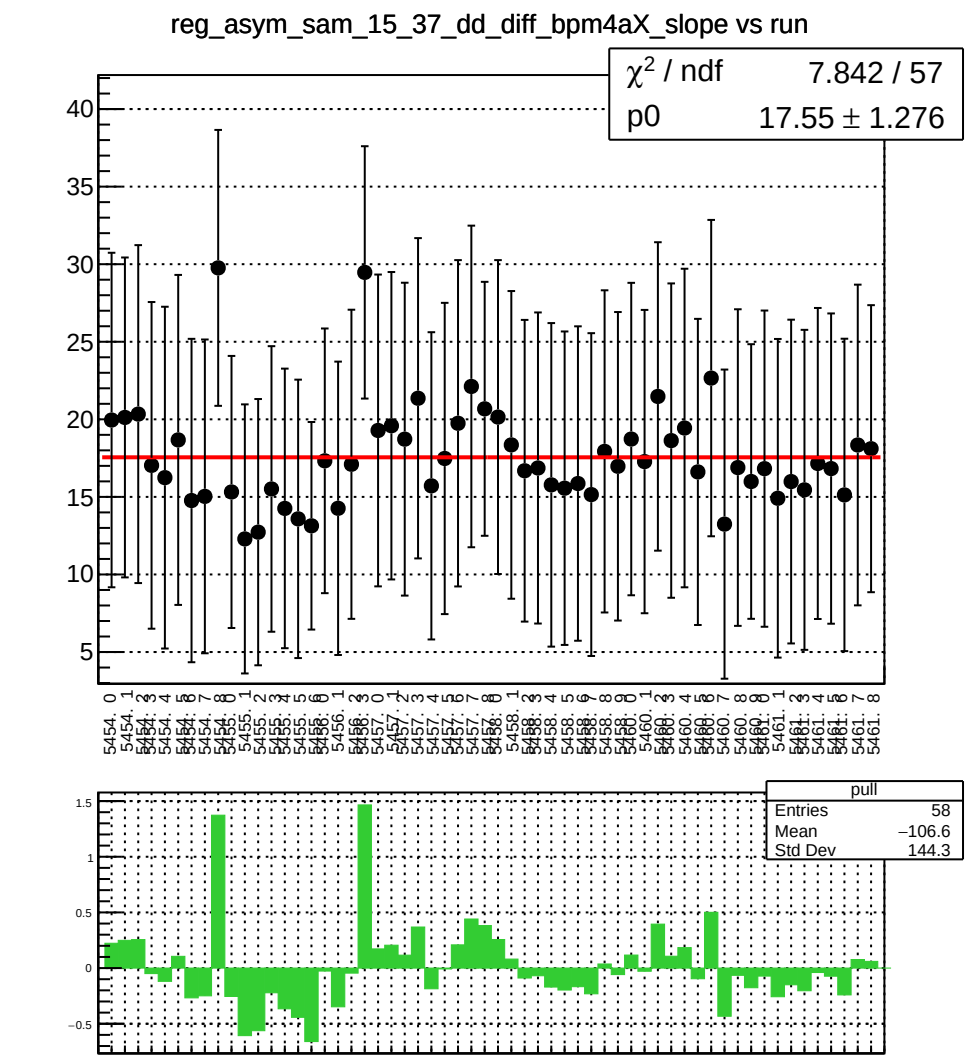

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 160 / 57
p0 −52.17 ± 0.7587
pull
Entries 58
Mean 53.45
Std Dev 20.12
pull1D
Entries 58
Mean −0.3729
Std Dev 1.619

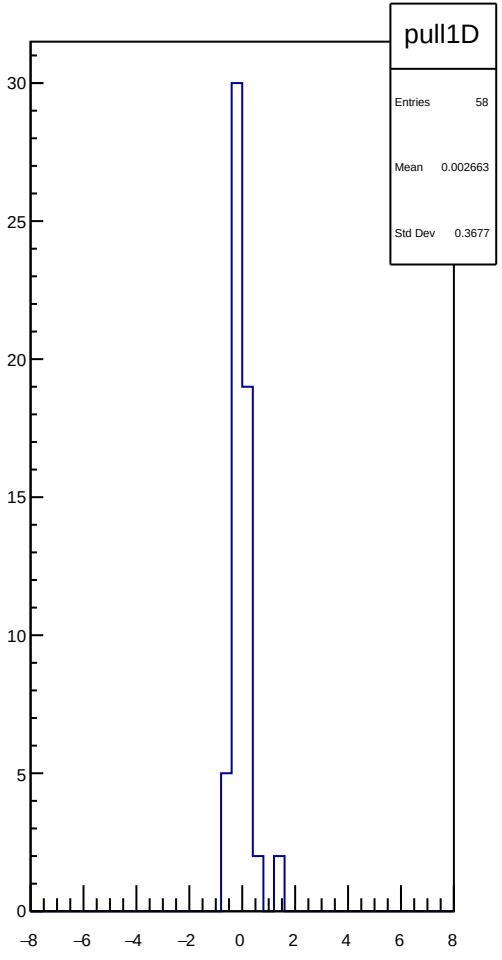

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.77 / 57
p0 7.241 ± 1.029
pull
Entries 58
Mean −881.3
Std Dev 904.5
pull1D
Entries 58
Mean −0.001029
Std Dev 0.431

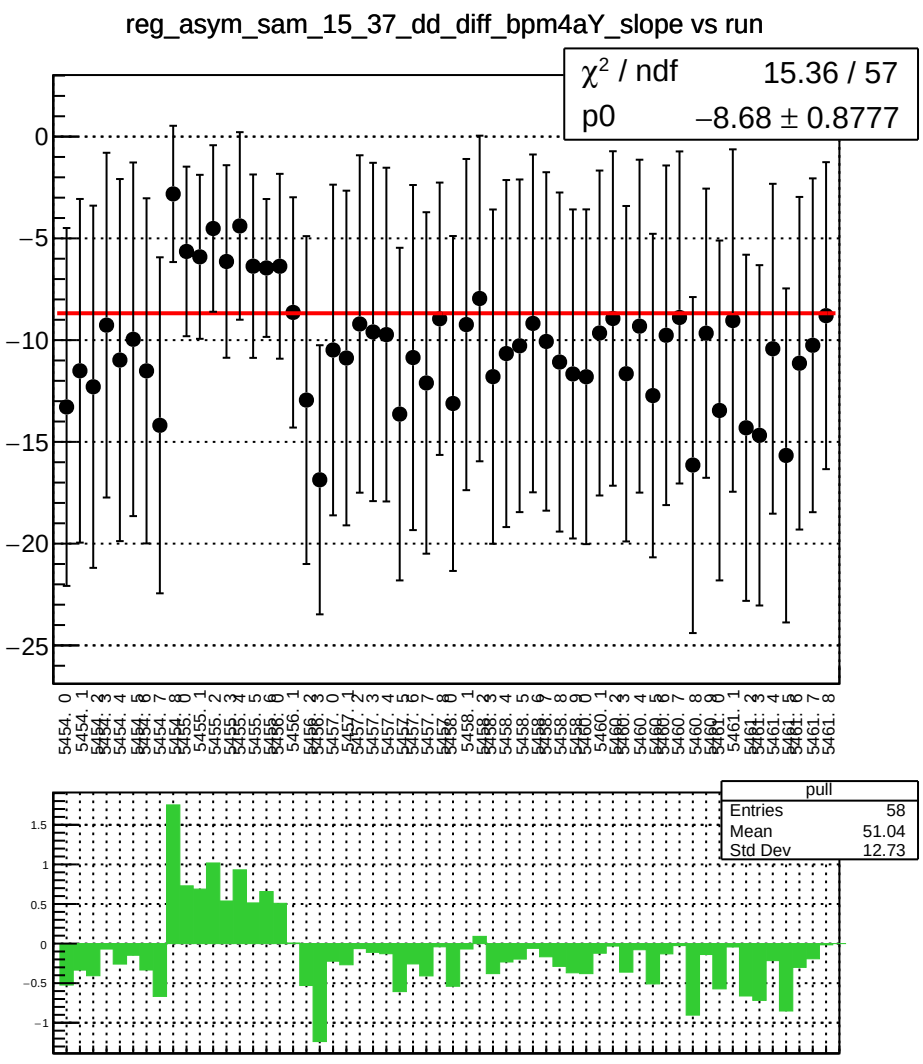

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 141.8 / 57
p0 18.28 ± 0.9197
pull
Entries 58
Mean 55.62
Std Dev 22.99

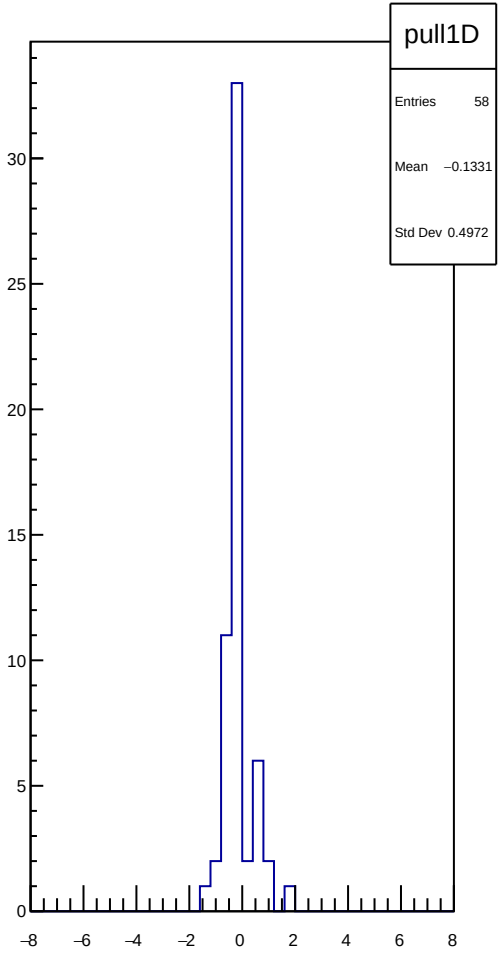

pull1D
Entries 58
Mean 0.3159
Std Dev 1.531

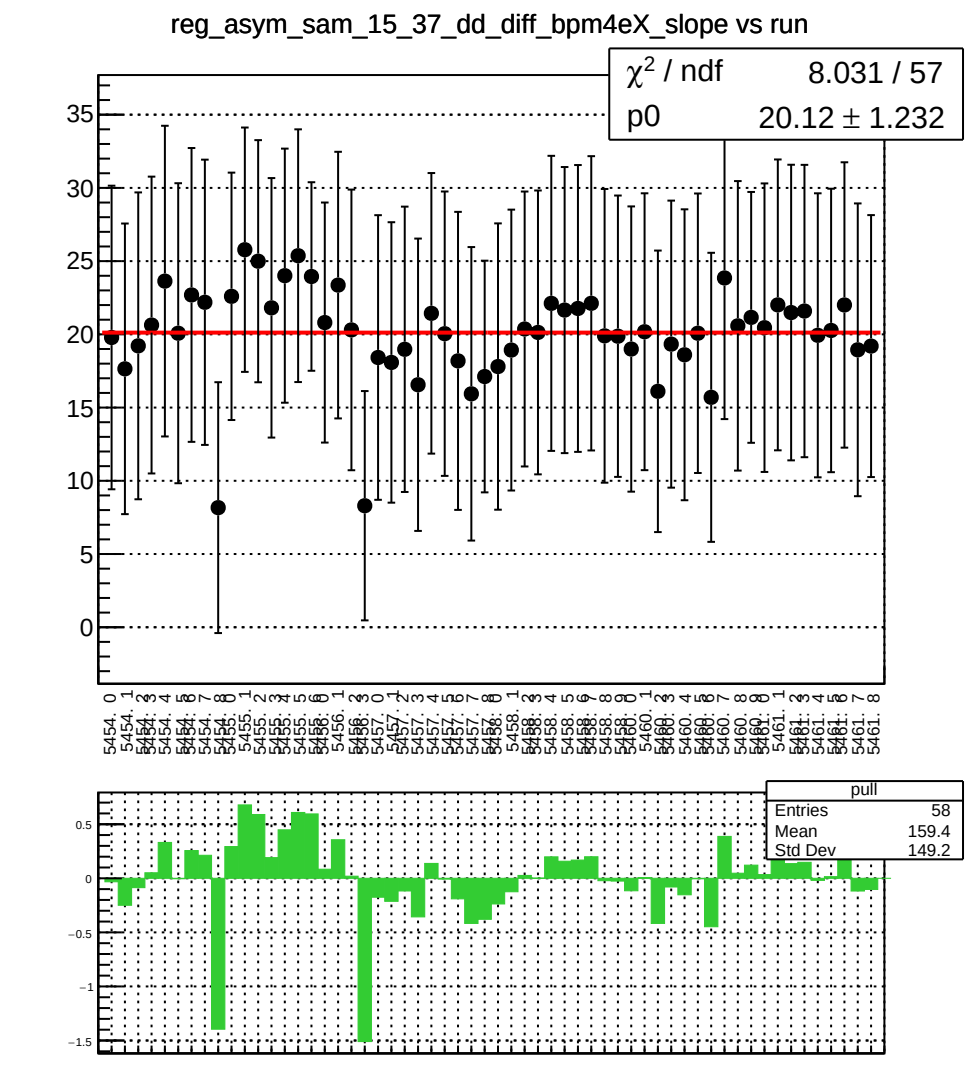

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 9.929 / 57
p0 −0.2257 ± 0.02415
pull
Entries 58
Mean 16.01
Std Dev 34.7
pull1D
Entries 58
Mean 0.01414
Std Dev 0.4135

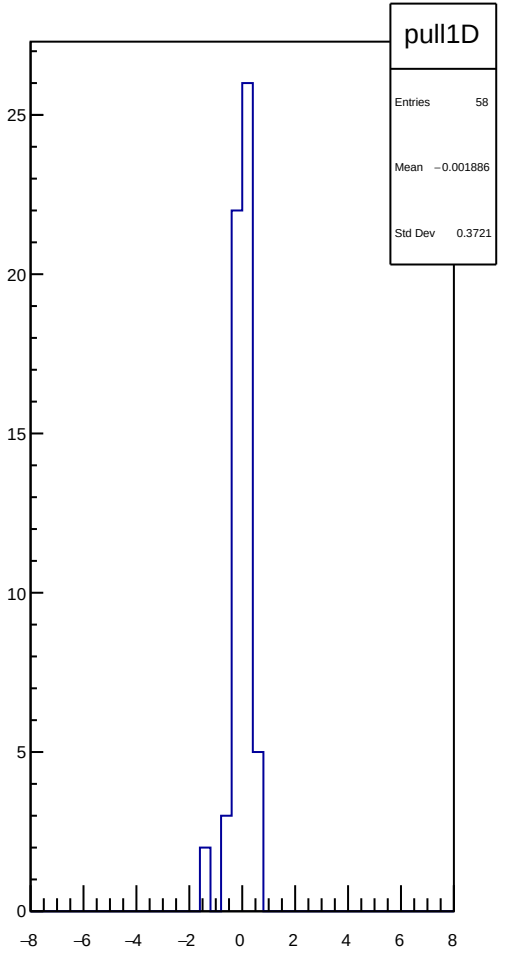

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.842 / 57
p0 17.55 ± 1.276
pull
Entries 58
Mean −106.6
Std Dev 144.3

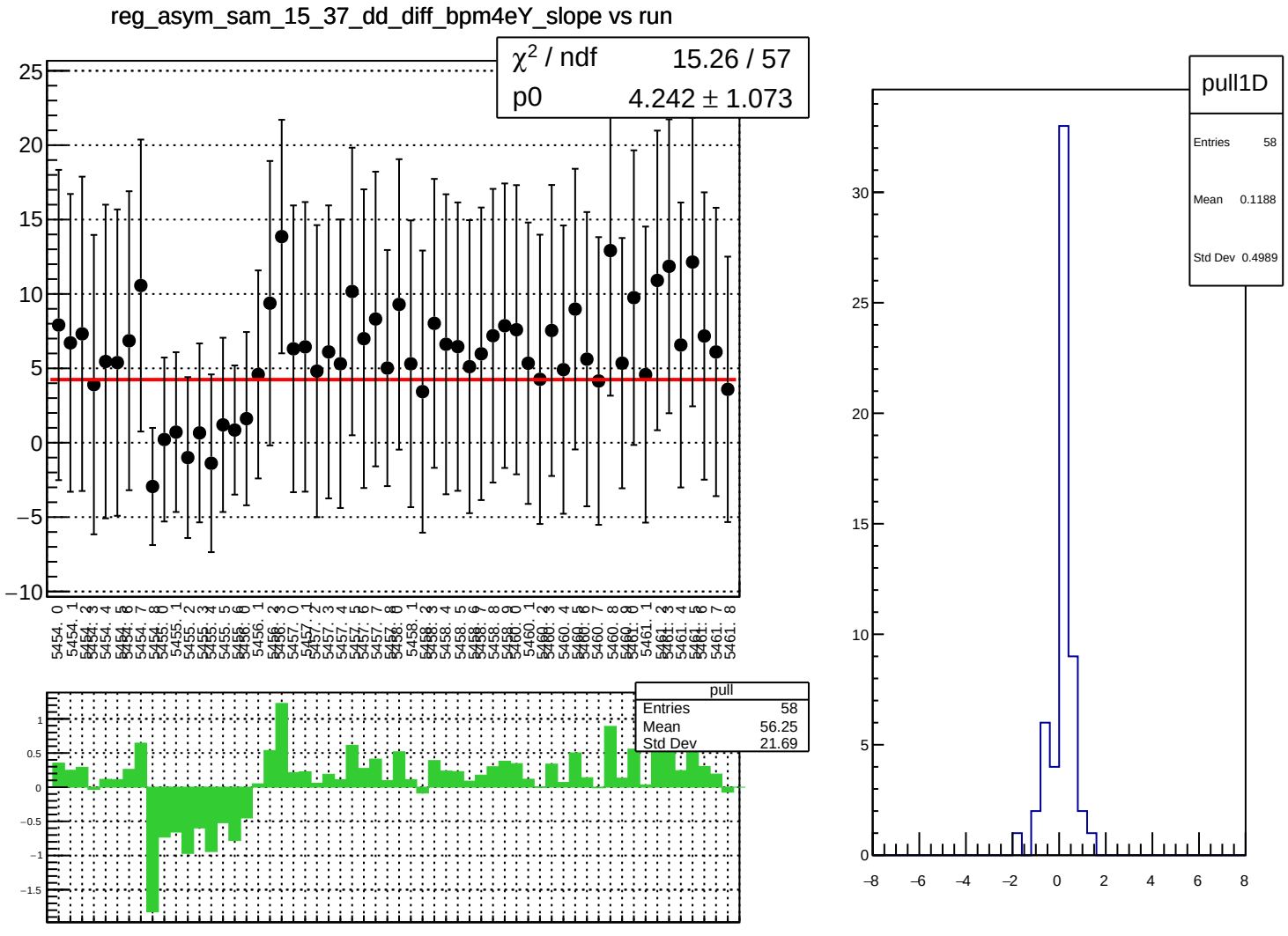

pull1D
Entries 58
Mean 0.002663
Std Dev 0.3677

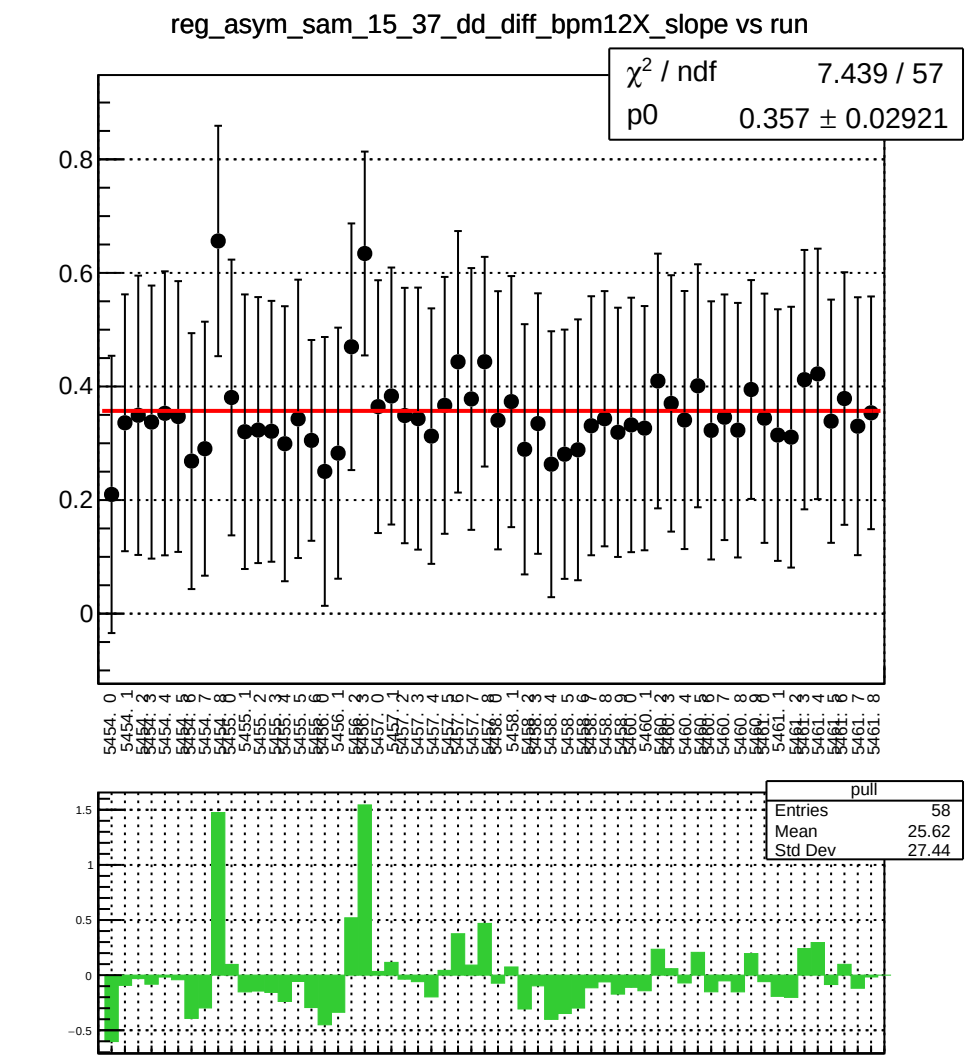

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.36 / 57
p0 −8.68 ± 0.8777
pull
Entries 58
Mean 51.04
Std Dev 12.73

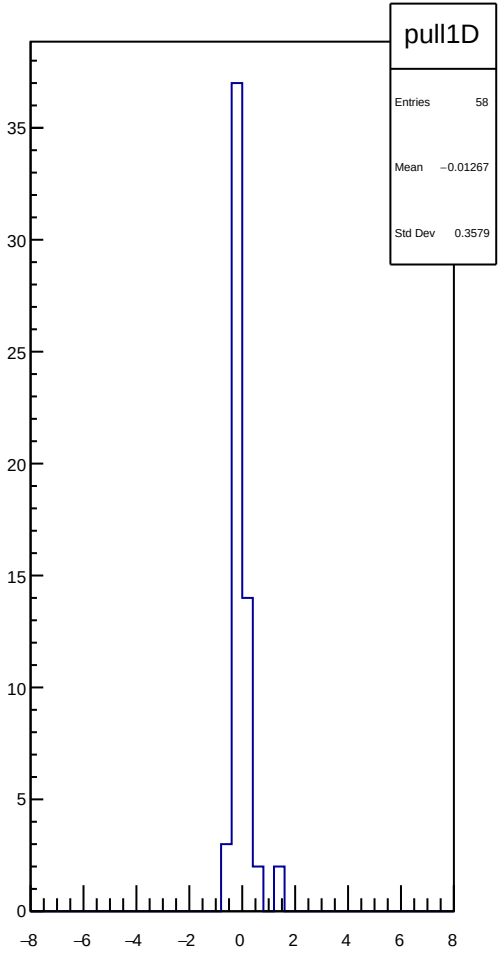

pull1D
Entries 58
Mean −0.1331
Std Dev 0.4972

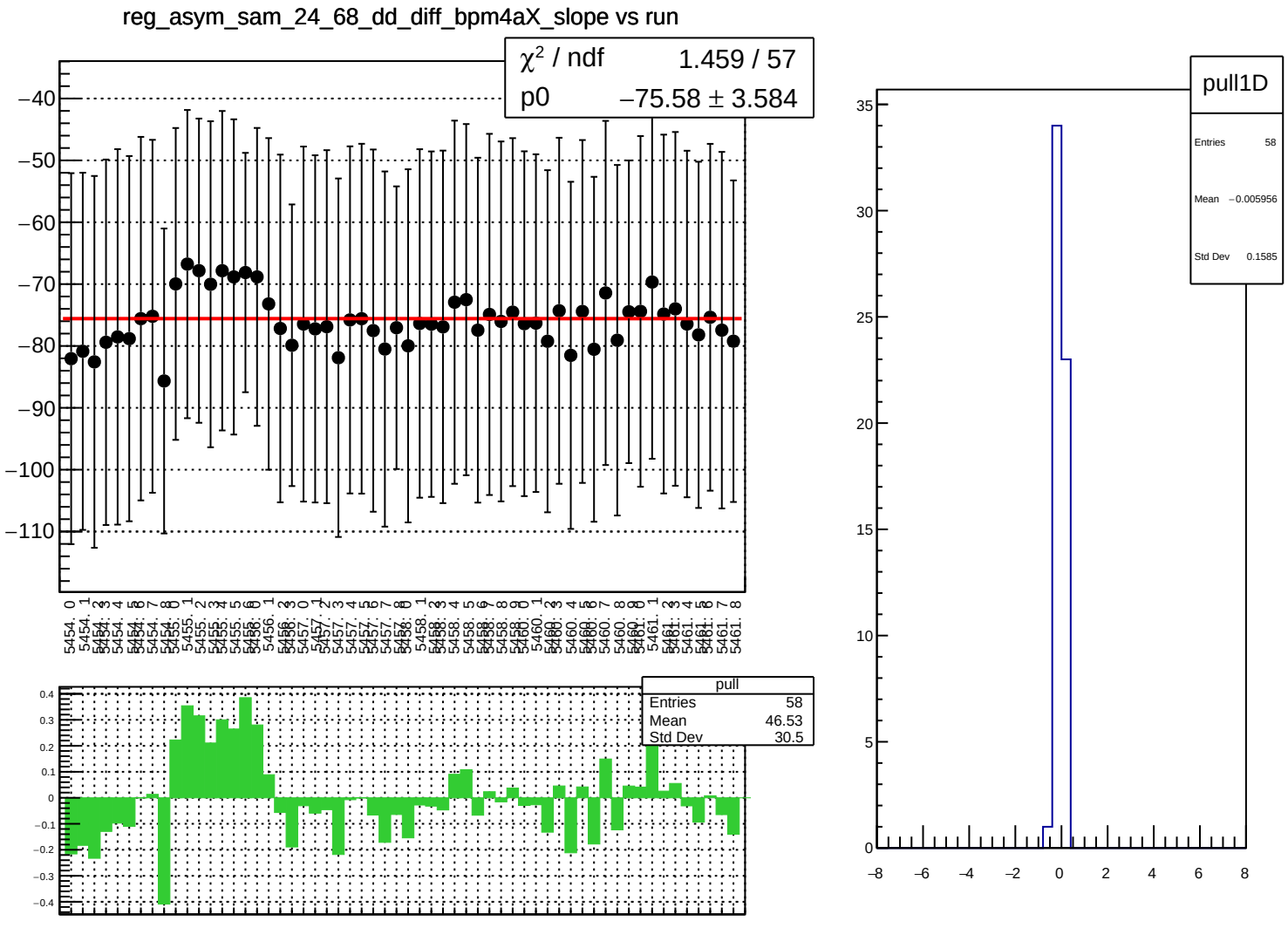

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.031 / 57
p0 20.12 ± 1.232
pull
Entries 58
Mean 159.4
Std Dev 149.2

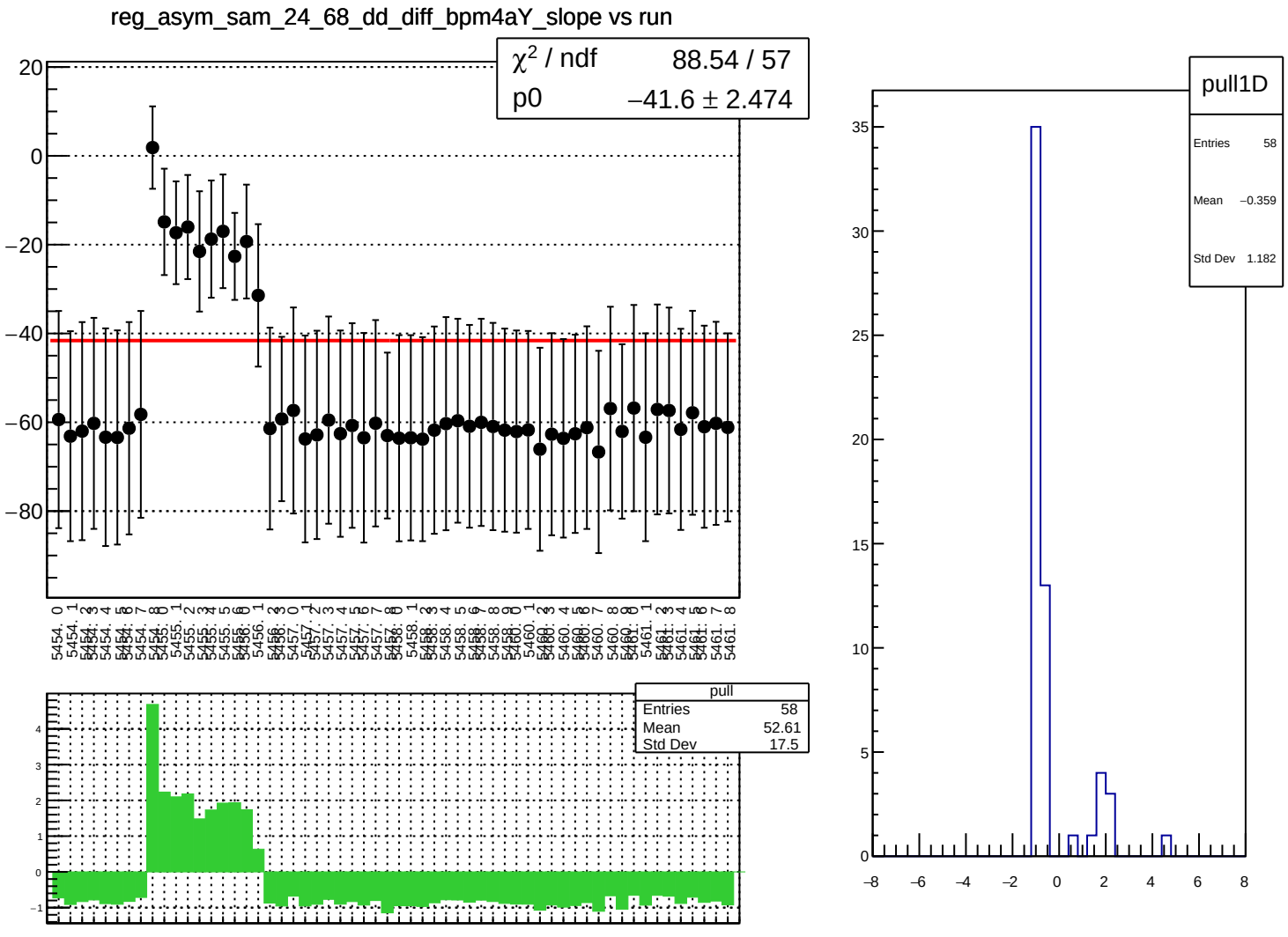

pull1D
Entries 58
Mean −0.001886
Std Dev 0.3721

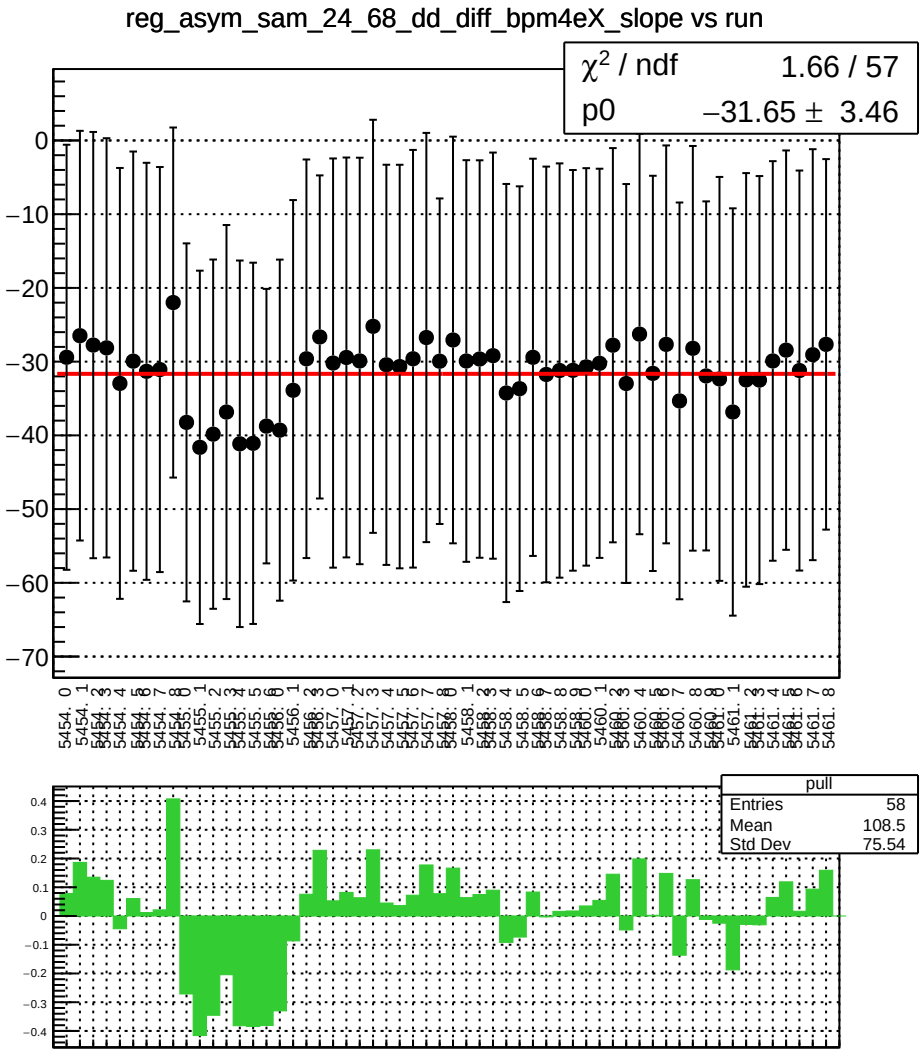

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.26 / 57
p0 4.242 ± 1.073
pull
Entries 58
Mean 56.25
Std Dev 21.69
pull1D
Entries 58
Mean 0.1188
Std Dev 0.4989

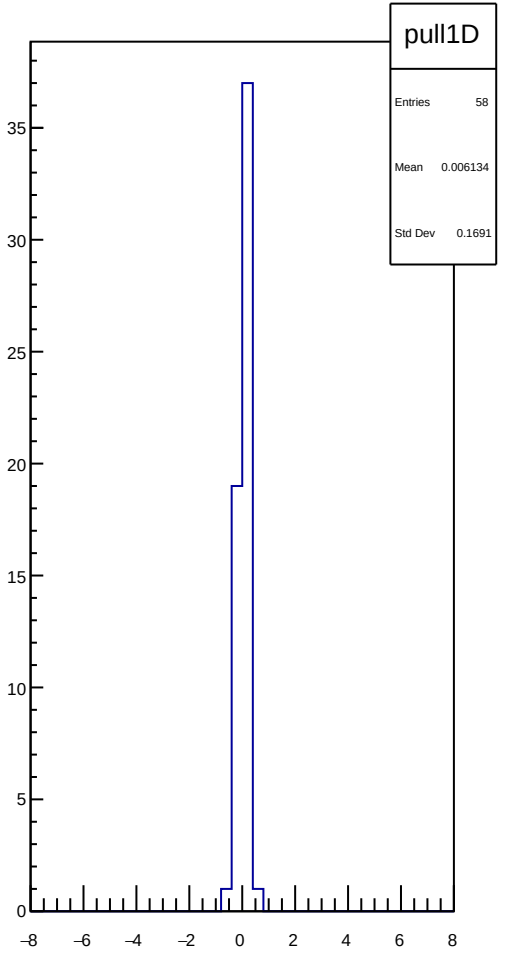

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.439 / 57
p0 0.357 ± 0.02921
pull
Entries 58
Mean 25.62
Std Dev 27.44

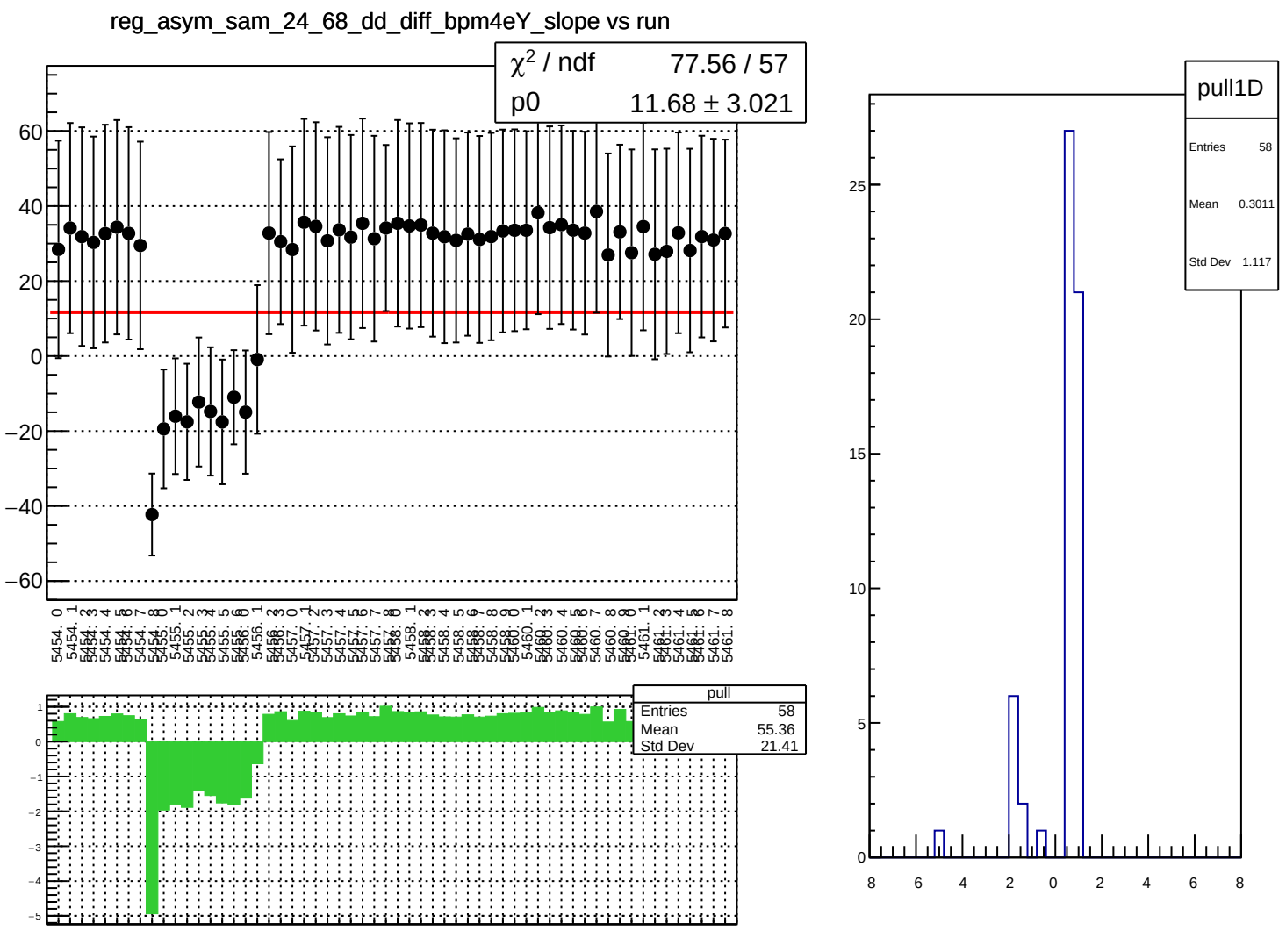

pull1D
Entries 58
Mean −0.01267
Std Dev 0.3579

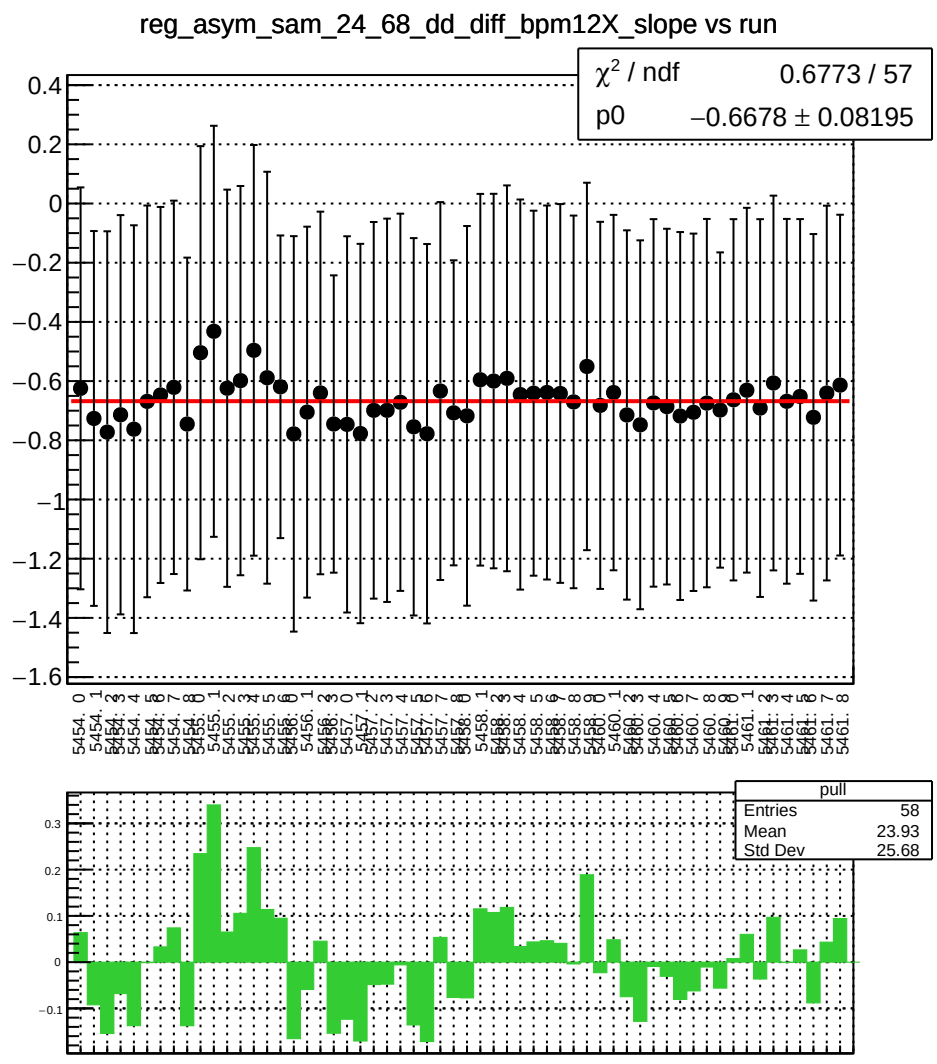

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.459 / 57
p0 −75.58 ± 3.584
pull
Entries 58
Mean 46.53
Std Dev 30.5
pull1D
Entries 58
Mean −0.005956
Std Dev 0.1585

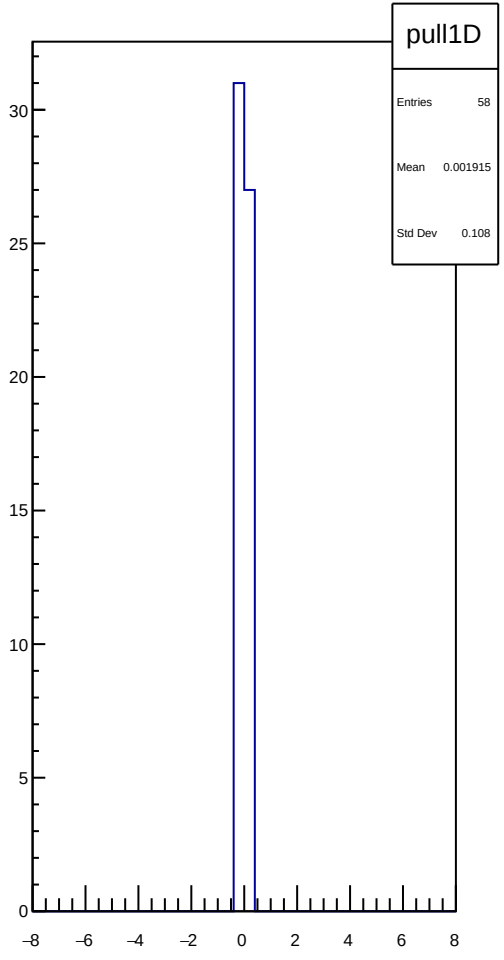

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 88.54 / 57
p0 −41.6 ± 2.474
pull
Entries 58
Mean 52.61
Std Dev 17.5
pull1D
Entries 58
Mean −0.359
Std Dev 1.182

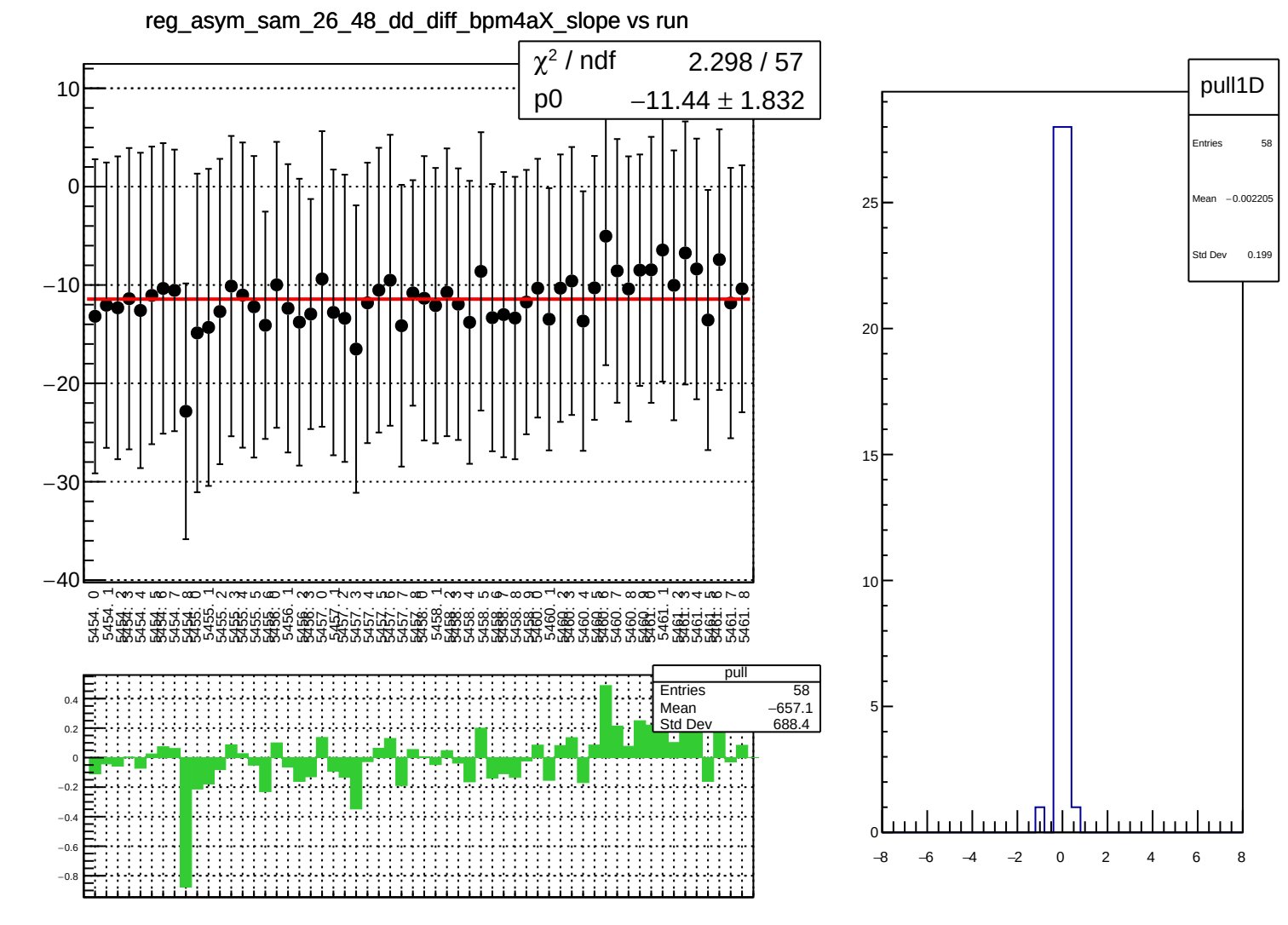

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.66 / 57
p0 −31.65 ± 3.46
pull
Entries 58
Mean 108.5
Std Dev 75.54

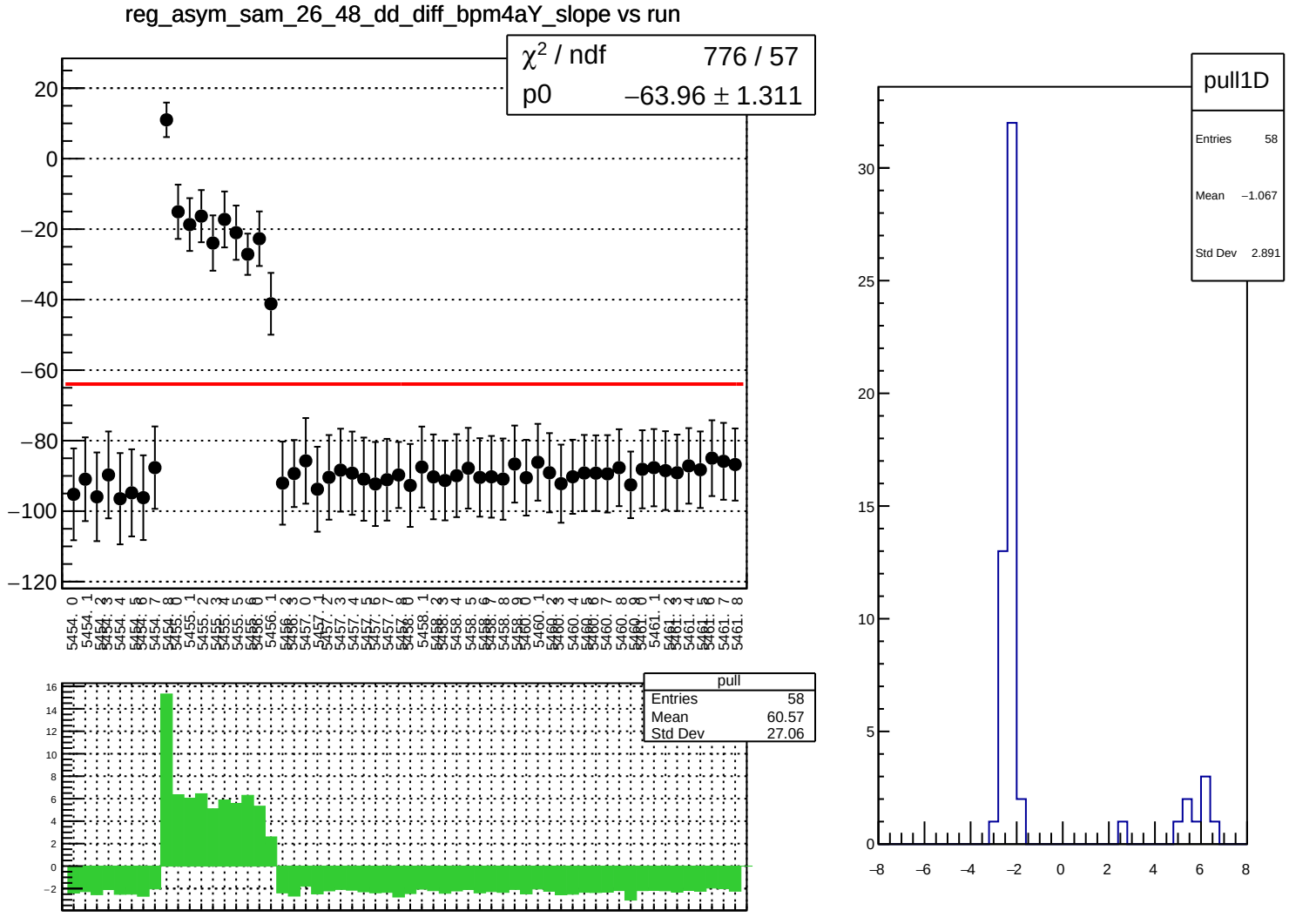

pull1D
Entries 58
Mean 0.006134
Std Dev 0.1691

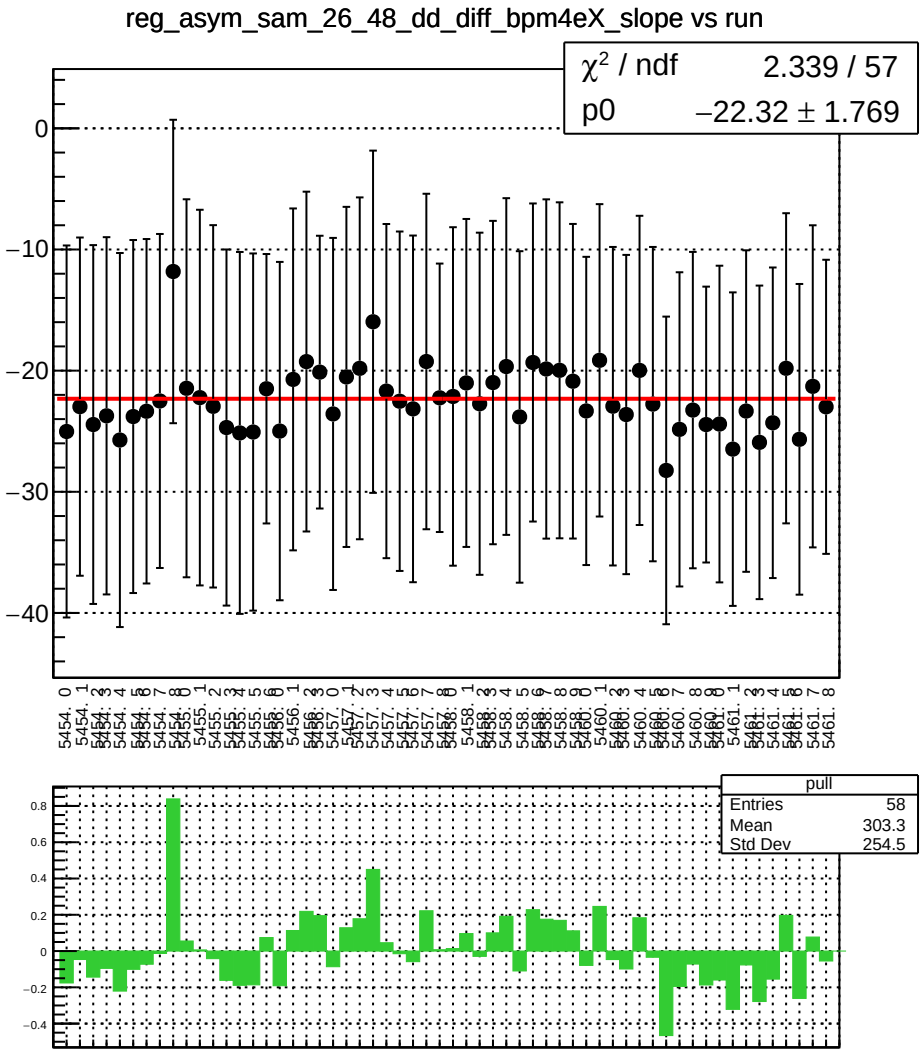

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.56 / 57
p0 11.68 ± 3.021
pull
Entries 58
Mean 55.36
Std Dev 21.41
pull1D
Entries 58
Mean 0.3011
Std Dev 1.117

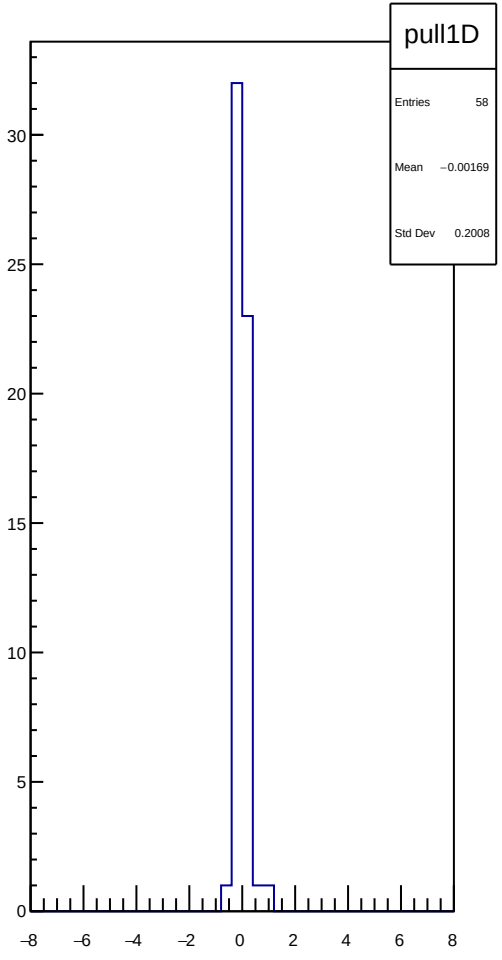

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6773 / 57
p0 −0.6678 ± 0.08195
pull
Entries 58
Mean 23.93
Std Dev 25.68

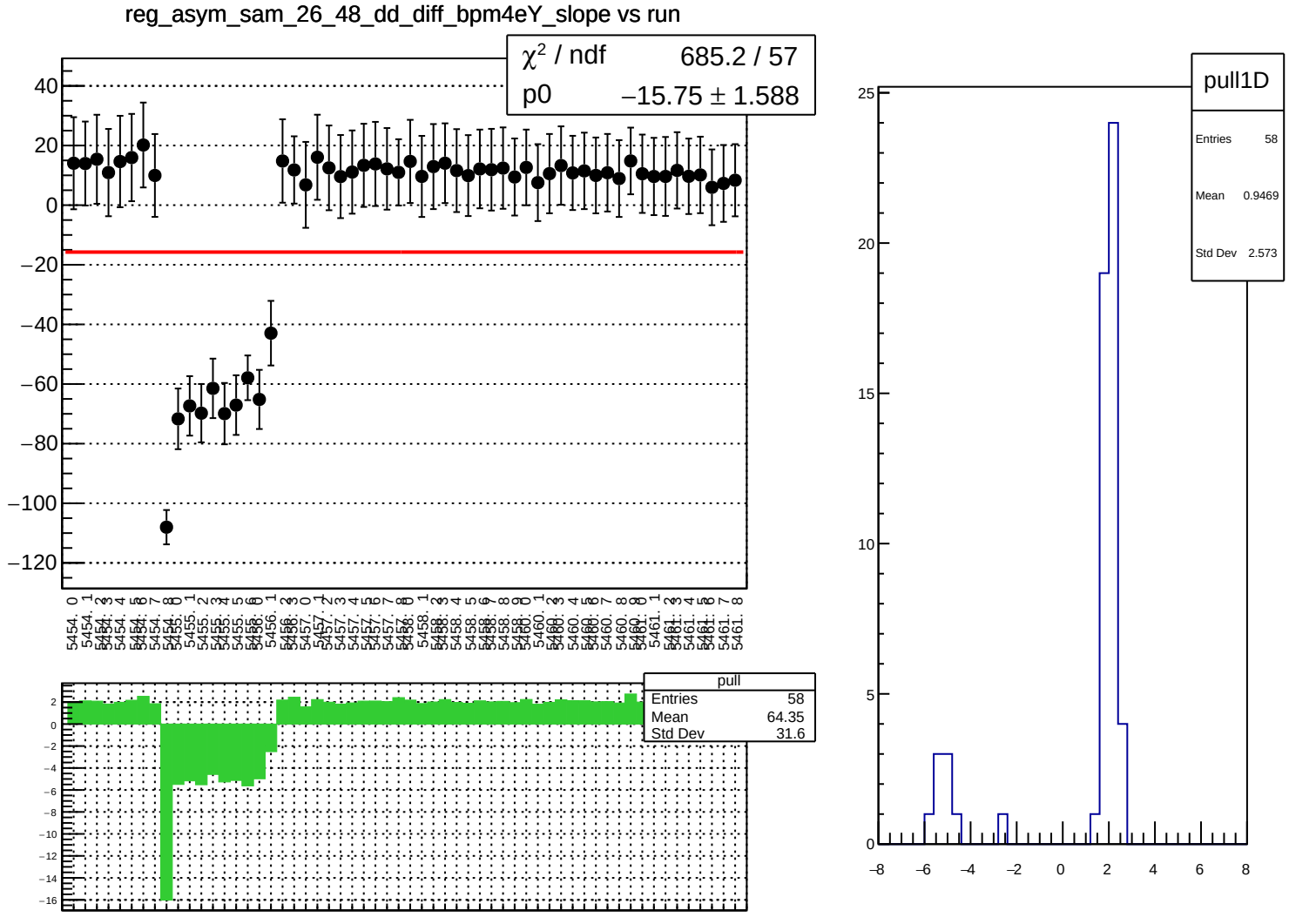

pull1D
Entries 58
Mean 0.001915
Std Dev 0.108

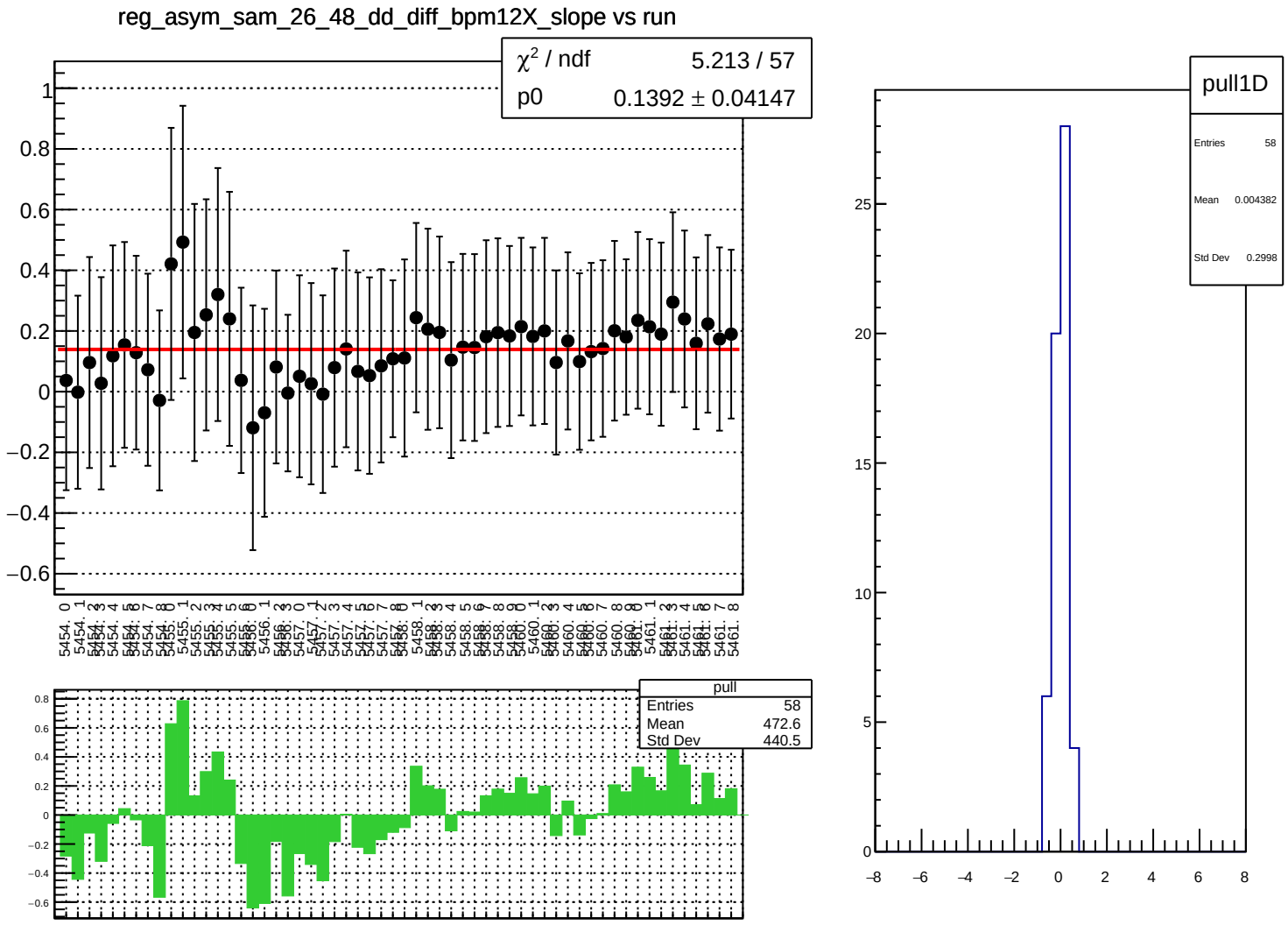

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.298 / 57
p0 −11.44 ± 1.832
pull
Entries 58
Mean −657.1
Std Dev 688.4
pull1D
Entries 58
Mean −0.002205
Std Dev 0.199

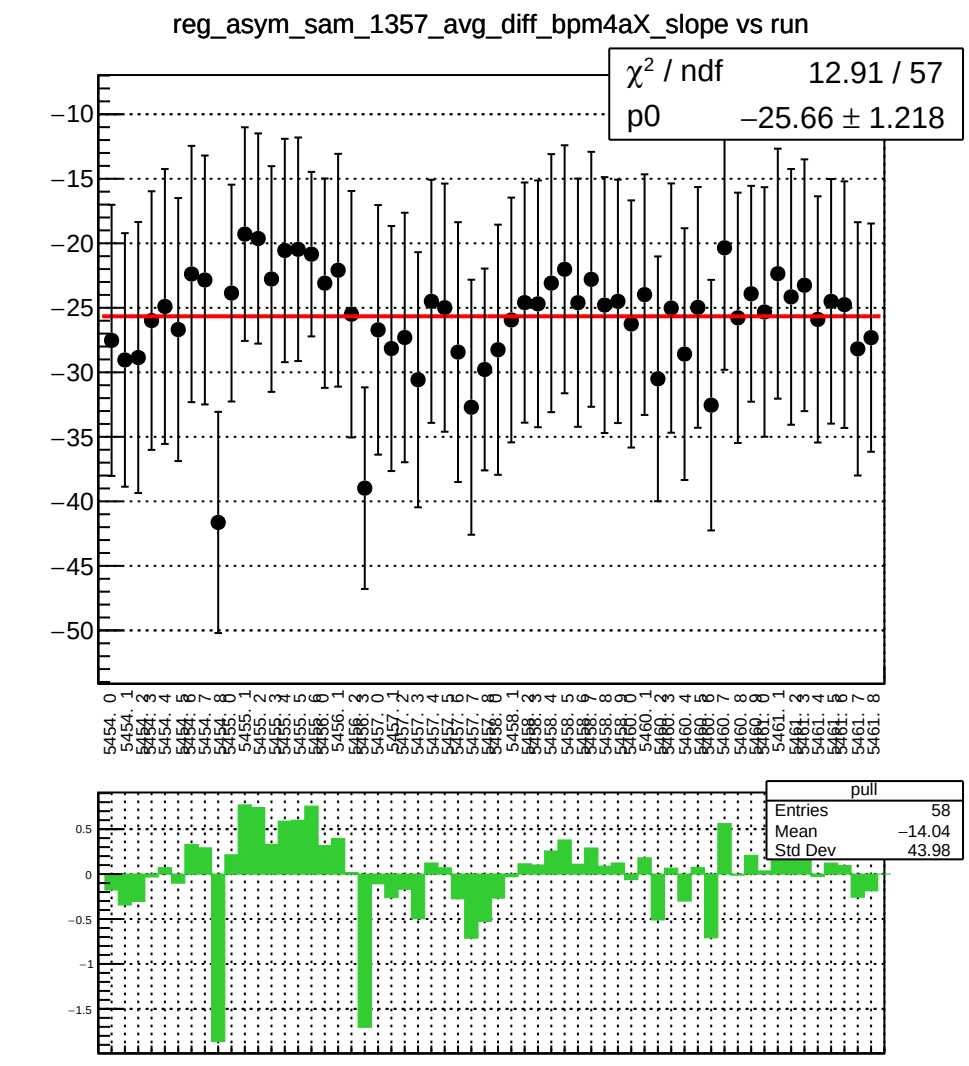

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 776 / 57
p0 −63.96 ± 1.311
pull
Entries 58
Mean 60.57
Std Dev 27.06
pull1D
Entries 58
Mean −1.067
Std Dev 2.891

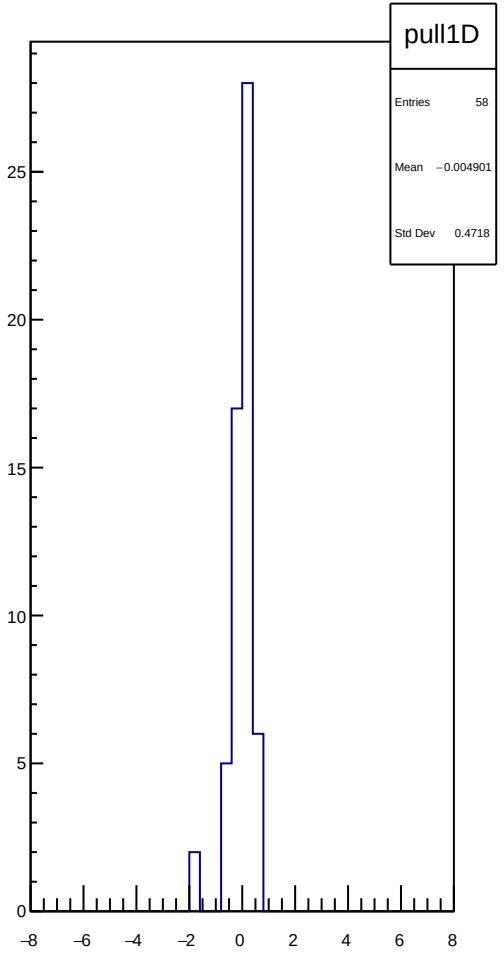

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.339 / 57
p0 −22.32 ± 1.769
pull
Entries 58
Mean 303.3
Std Dev 254.5

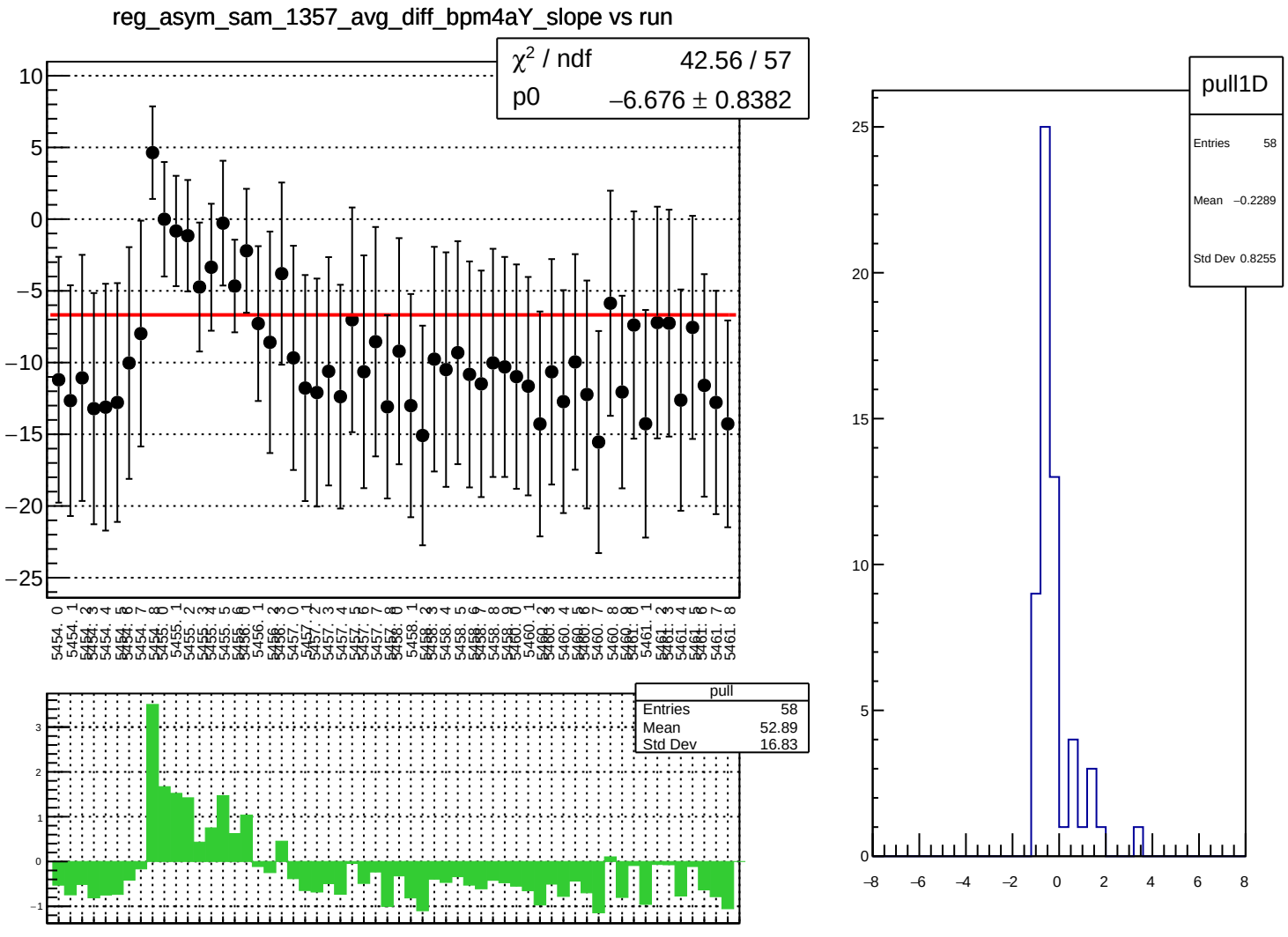

pull1D
Entries 58
Mean −0.00169
Std Dev 0.2008

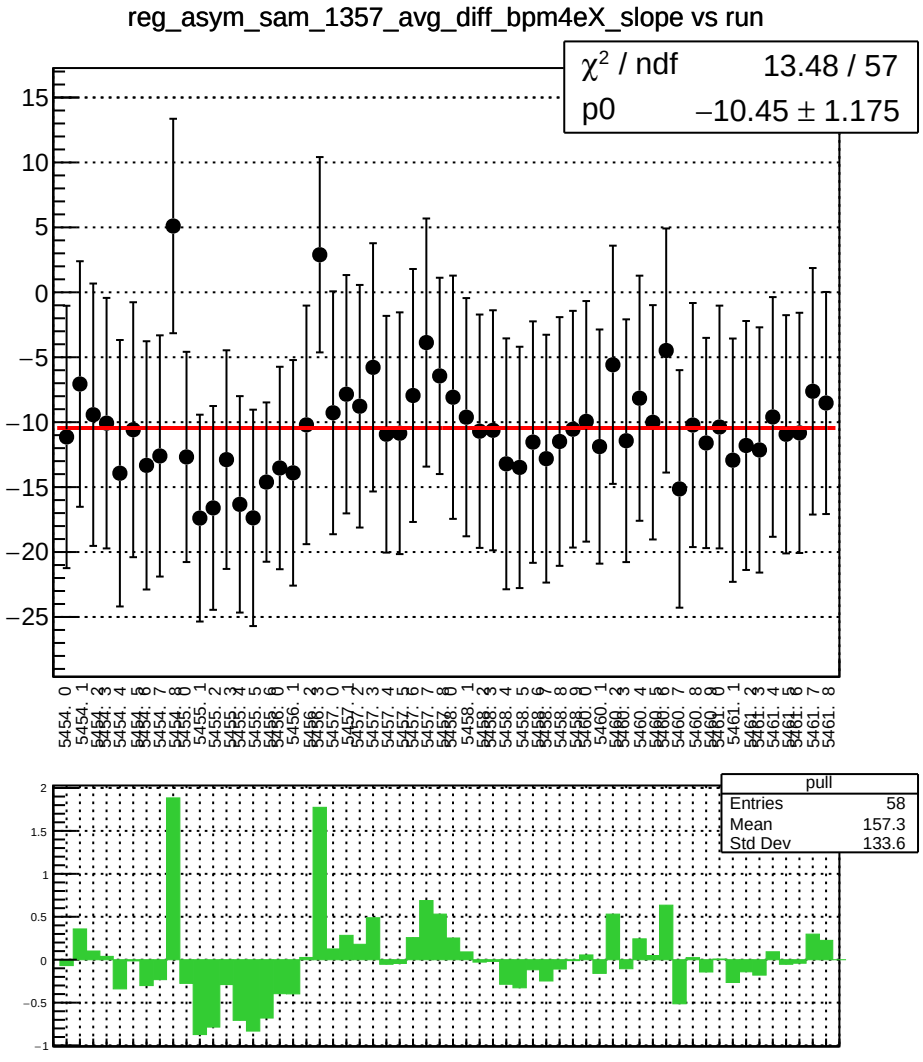

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 685.2 / 57
p0 −15.75 ± 1.588
pull
Entries 58
Mean 64.35
Std Dev 31.6
pull1D
Entries 58
Mean 0.9469
Std Dev 2.573

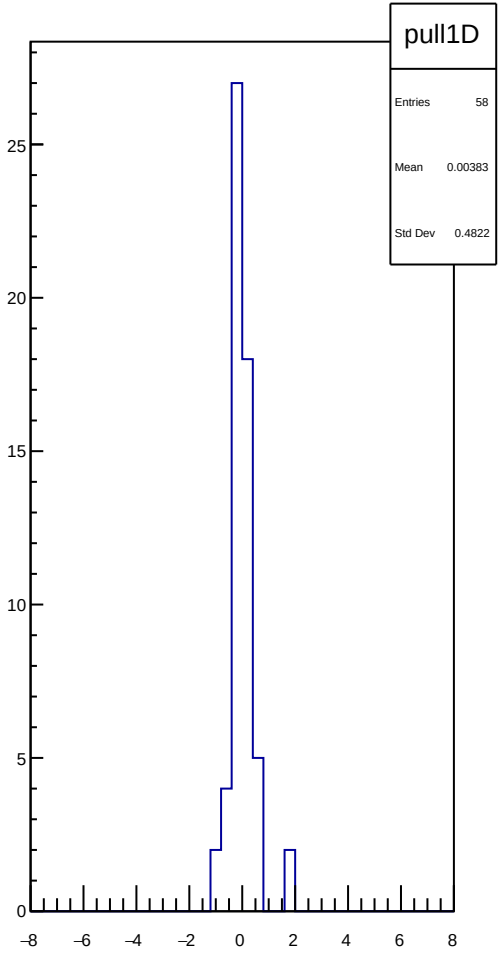

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.213 / 57
p0 0.1392 ± 0.04147
pull
Entries 58
Mean 472.6
Std Dev 440.5
pull1D
Entries 58
Mean 0.004382
Std Dev 0.2998

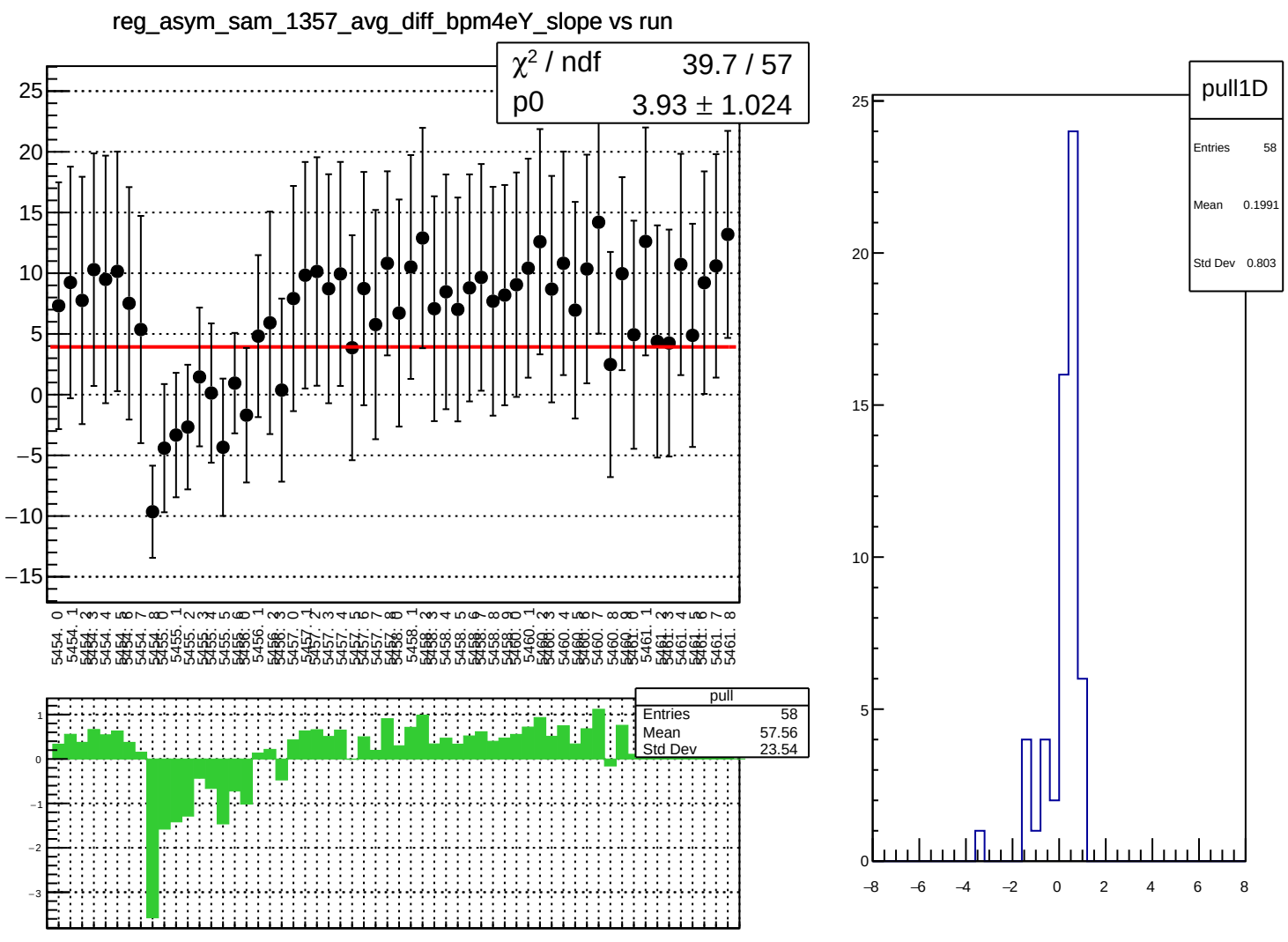

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.91 / 57
p0 −25.66 ± 1.218
pull
Entries 58
Mean −14.04
Std Dev 43.98

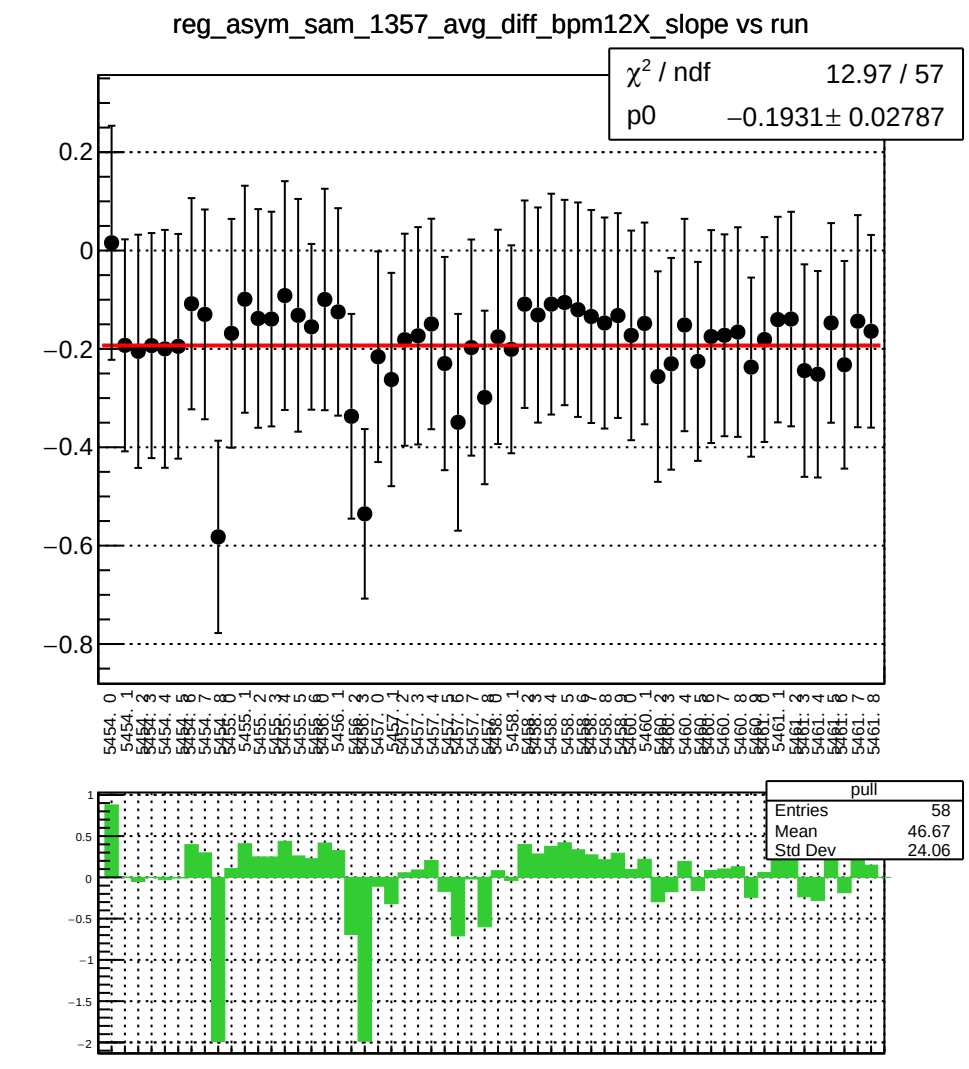

pull1D
Entries 58
Mean −0.004901
Std Dev 0.4718

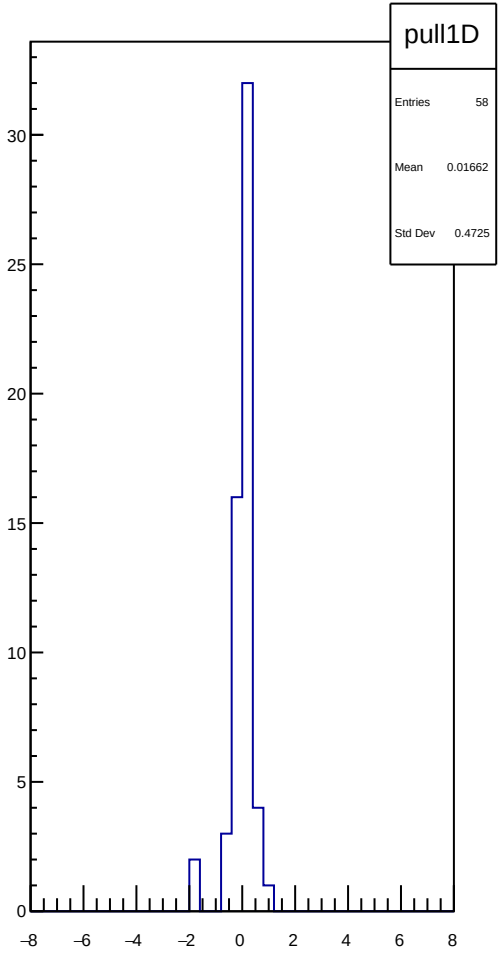

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.56 / 57
p0 −6.676 ± 0.8382
pull
Entries 58
Mean 52.89
Std Dev 16.83
pull1D
Entries 58
Mean −0.2289
Std Dev 0.8255

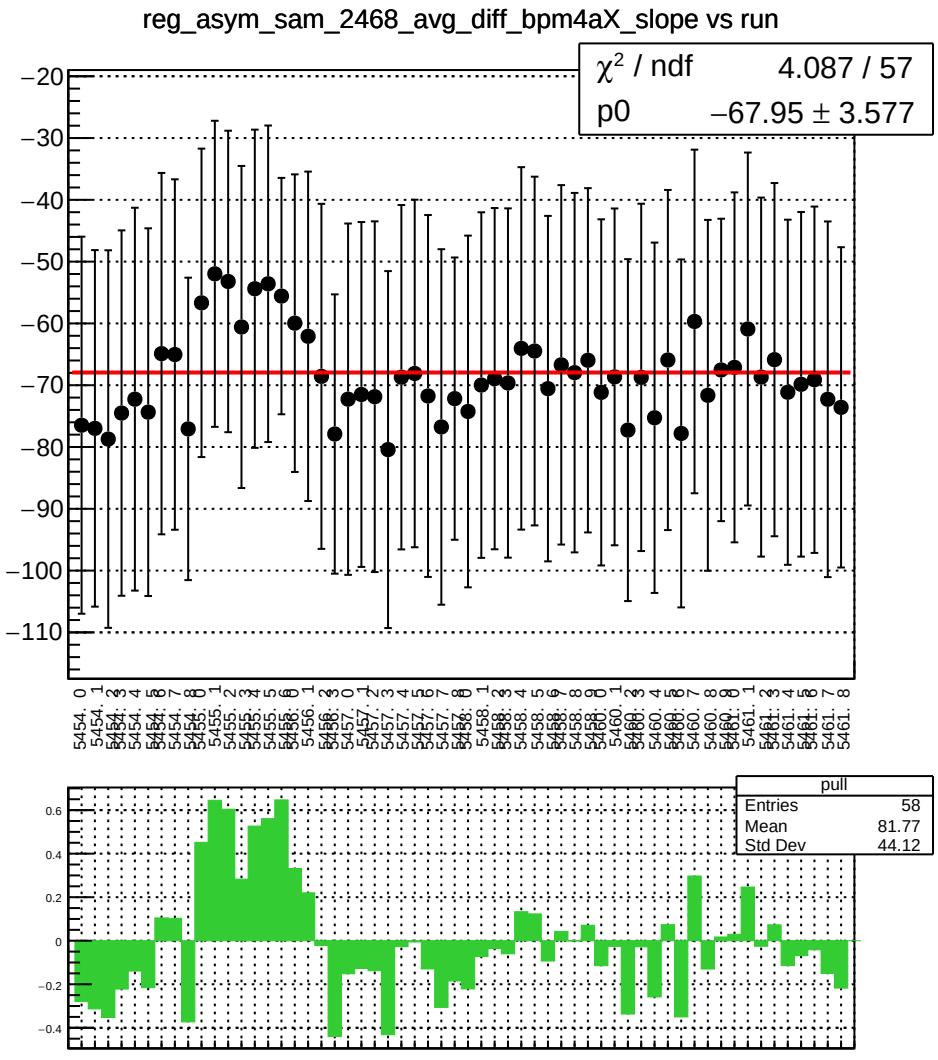

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.48 / 57
p0 −10.45 ± 1.175
pull
Entries 58
Mean 157.3
Std Dev 133.6

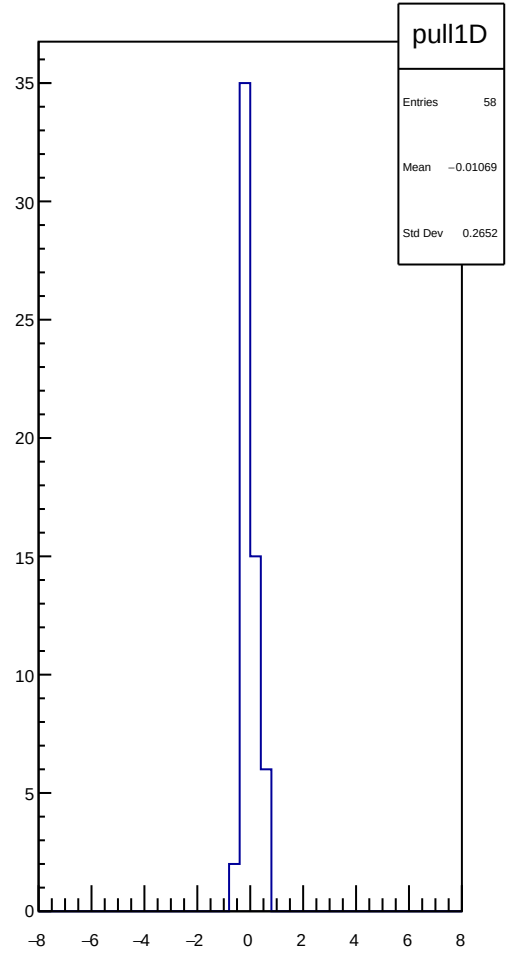

pull1D
Entries 58
Mean 0.00383
Std Dev 0.4822

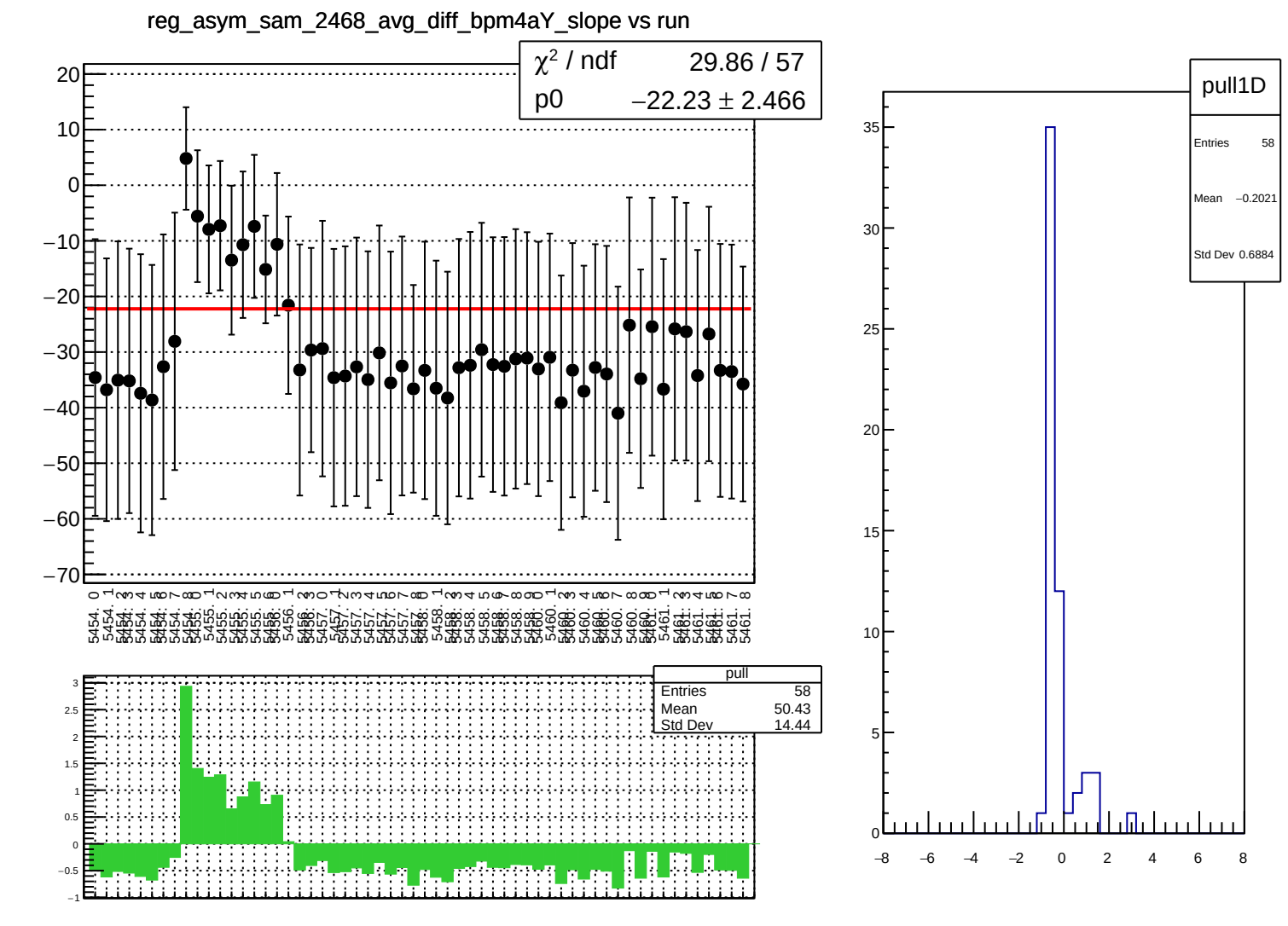

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.7 / 57
p0 3.93 ± 1.024
pull
Entries 58
Mean 57.56
Std Dev 23.54
pull1D
Entries 58
Mean 0.1991
Std Dev 0.803

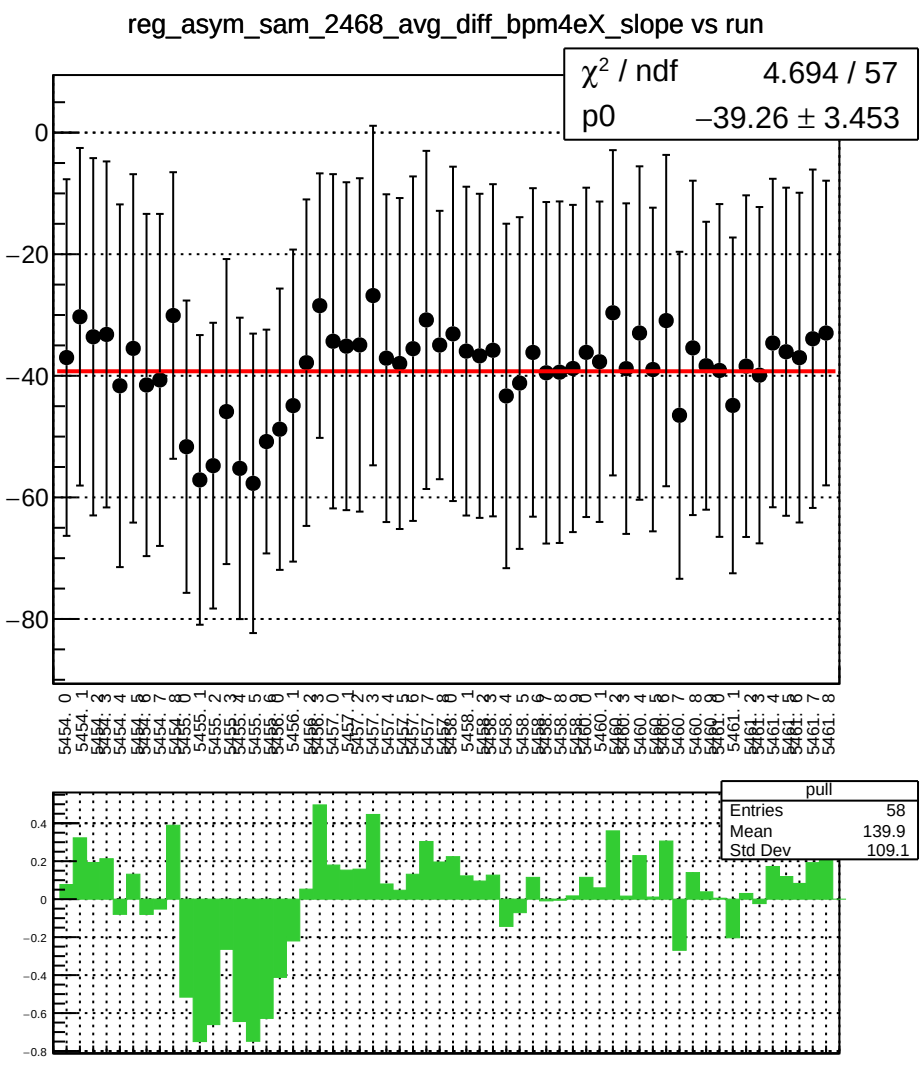

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 12.97 / 57
p0 −0.1931± 0.02787
pull
Entries 58
Mean 46.67
Std Dev 24.06

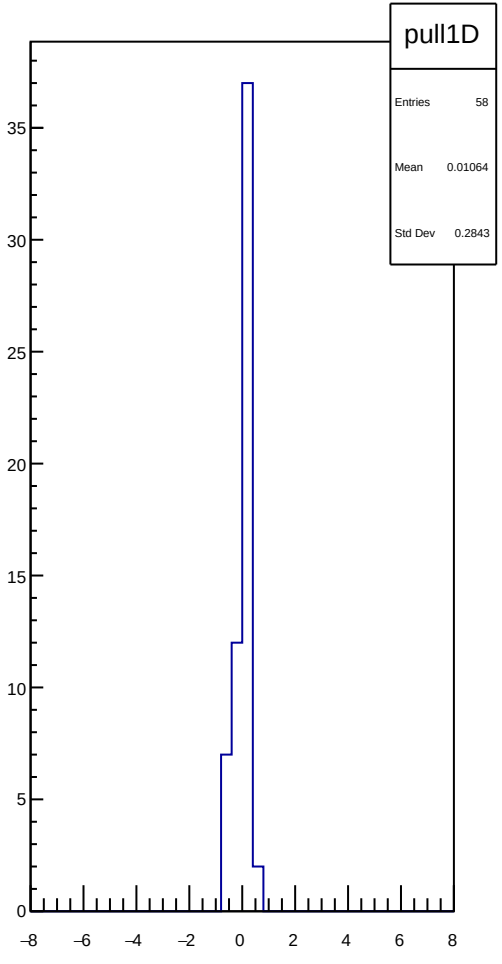

pull1D
Entries 58
Mean 0.01662
Std Dev 0.4725

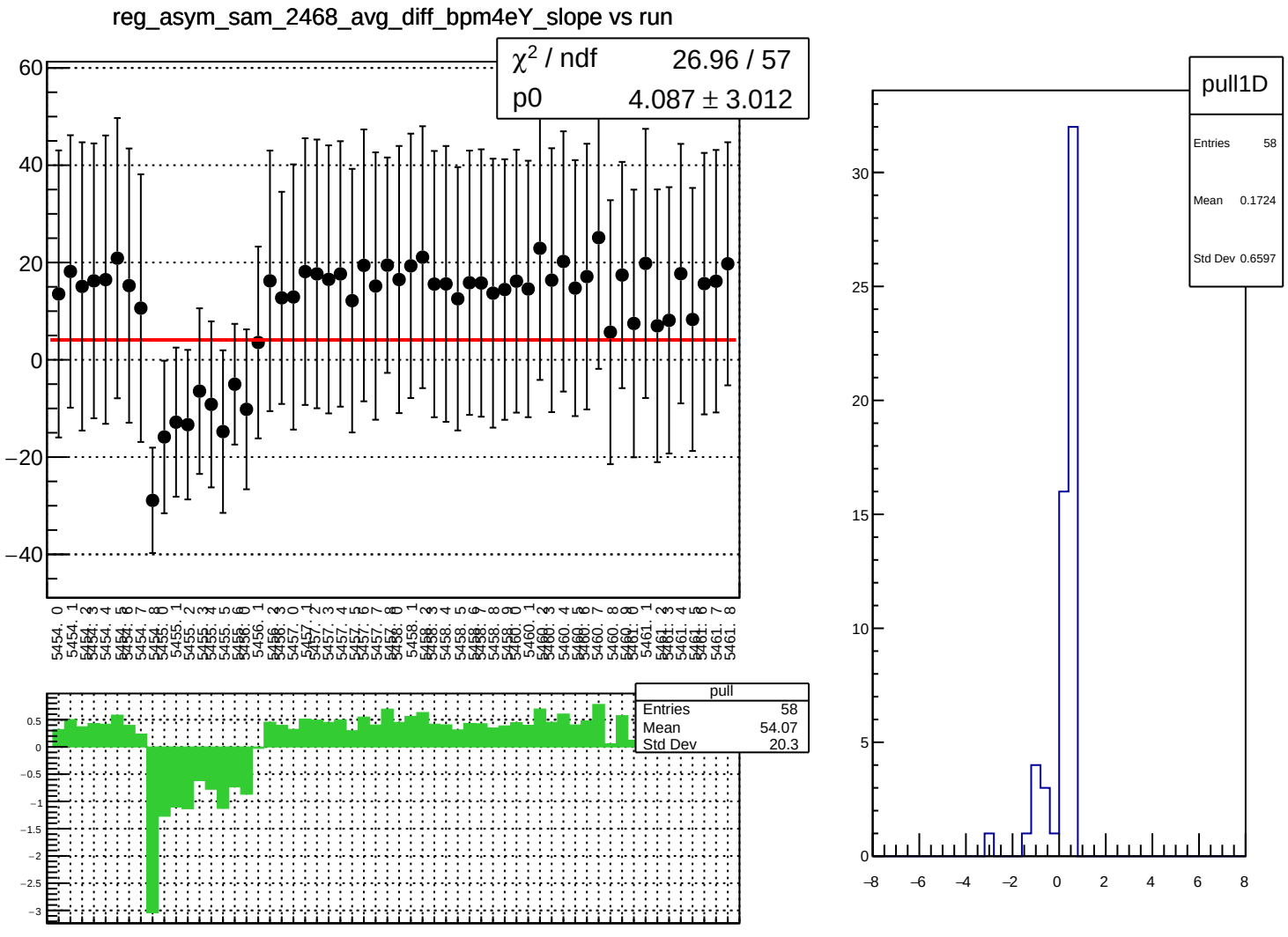

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.087 / 57
p0 −67.95 ± 3.577
pull
Entries 58
Mean 81.77
Std Dev 44.12

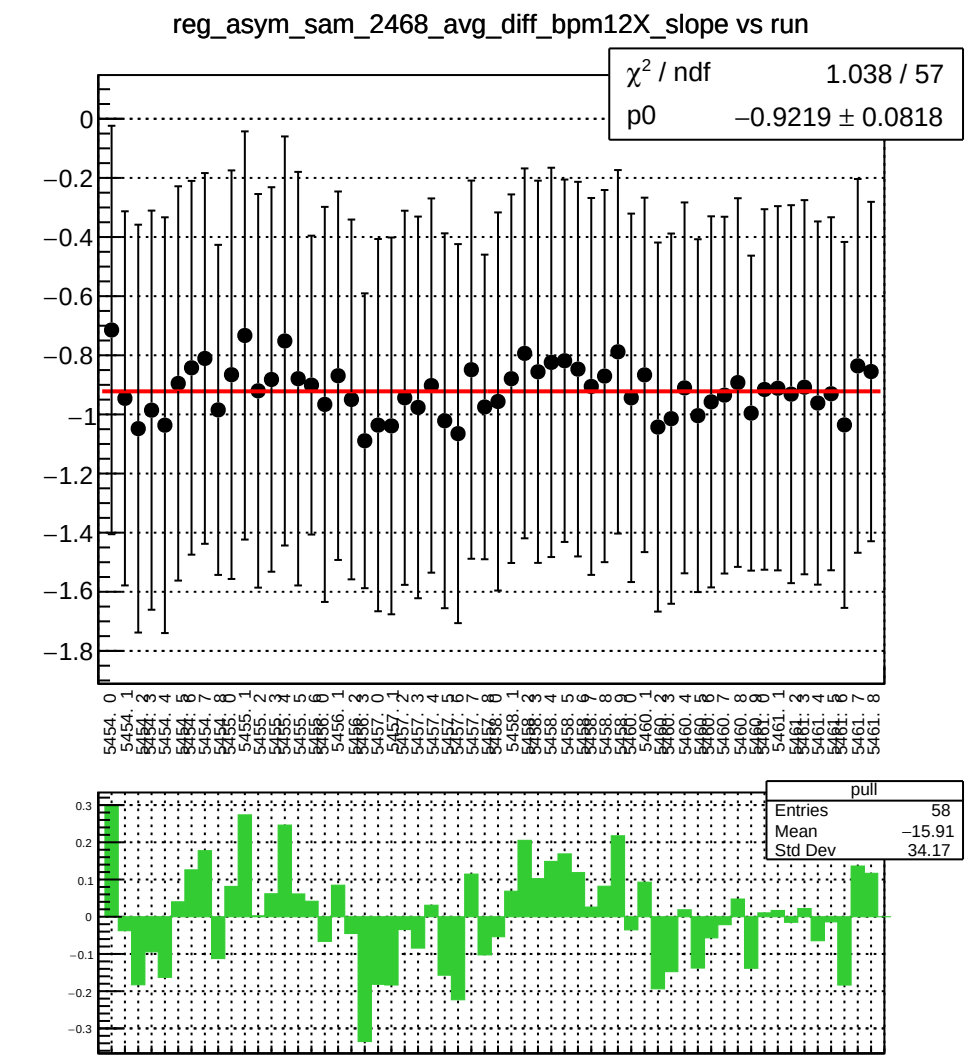

pull1D
Entries 58
Mean −0.01069
Std Dev 0.2652

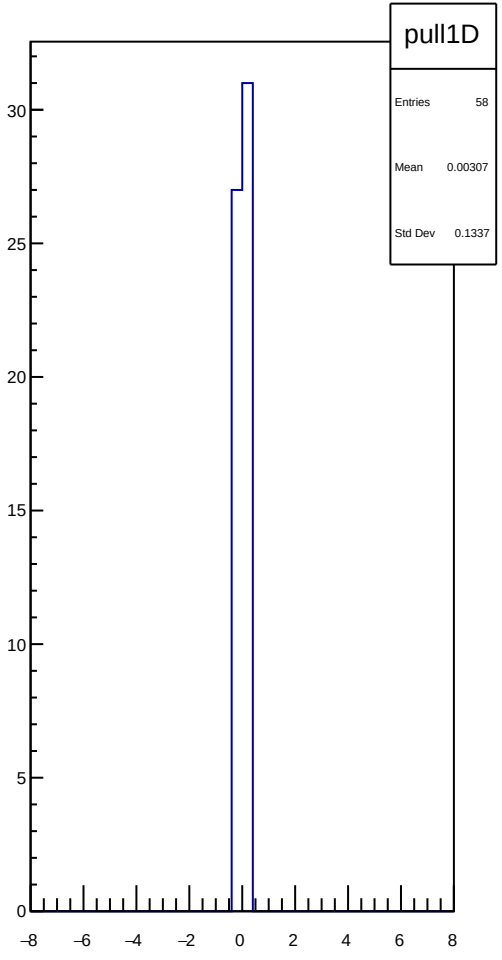

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.86 / 57
p0 −22.23 ± 2.466
pull
Entries 58
Mean 50.43
Std Dev 14.44
pull1D
Entries 58
Mean −0.2021
Std Dev 0.6884

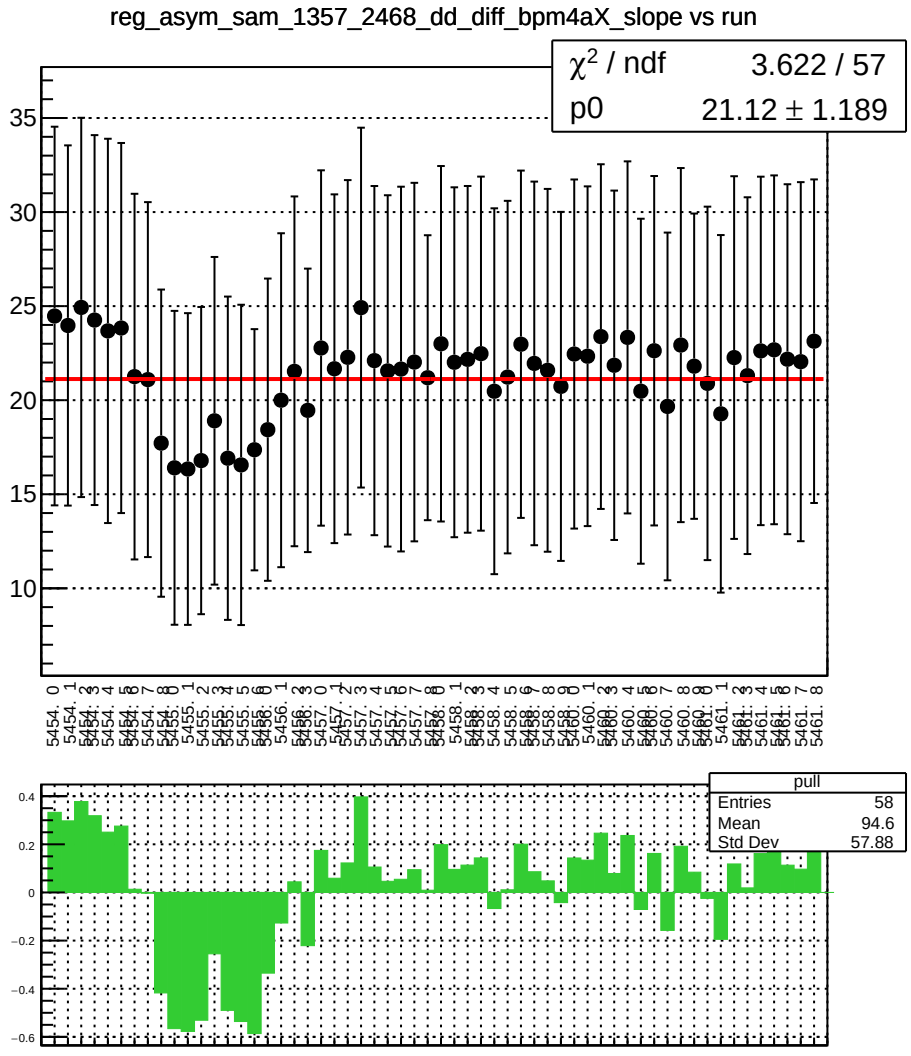

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.694 / 57
p0 −39.26 ± 3.453
pull
Entries 58
Mean 139.9
Std Dev 109.1

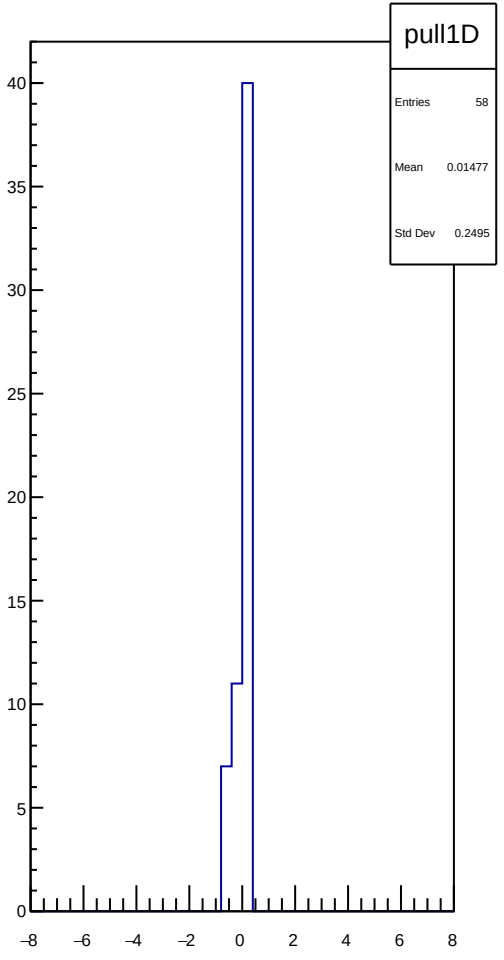

pull1D
Entries 58
Mean 0.01064
Std Dev 0.2843

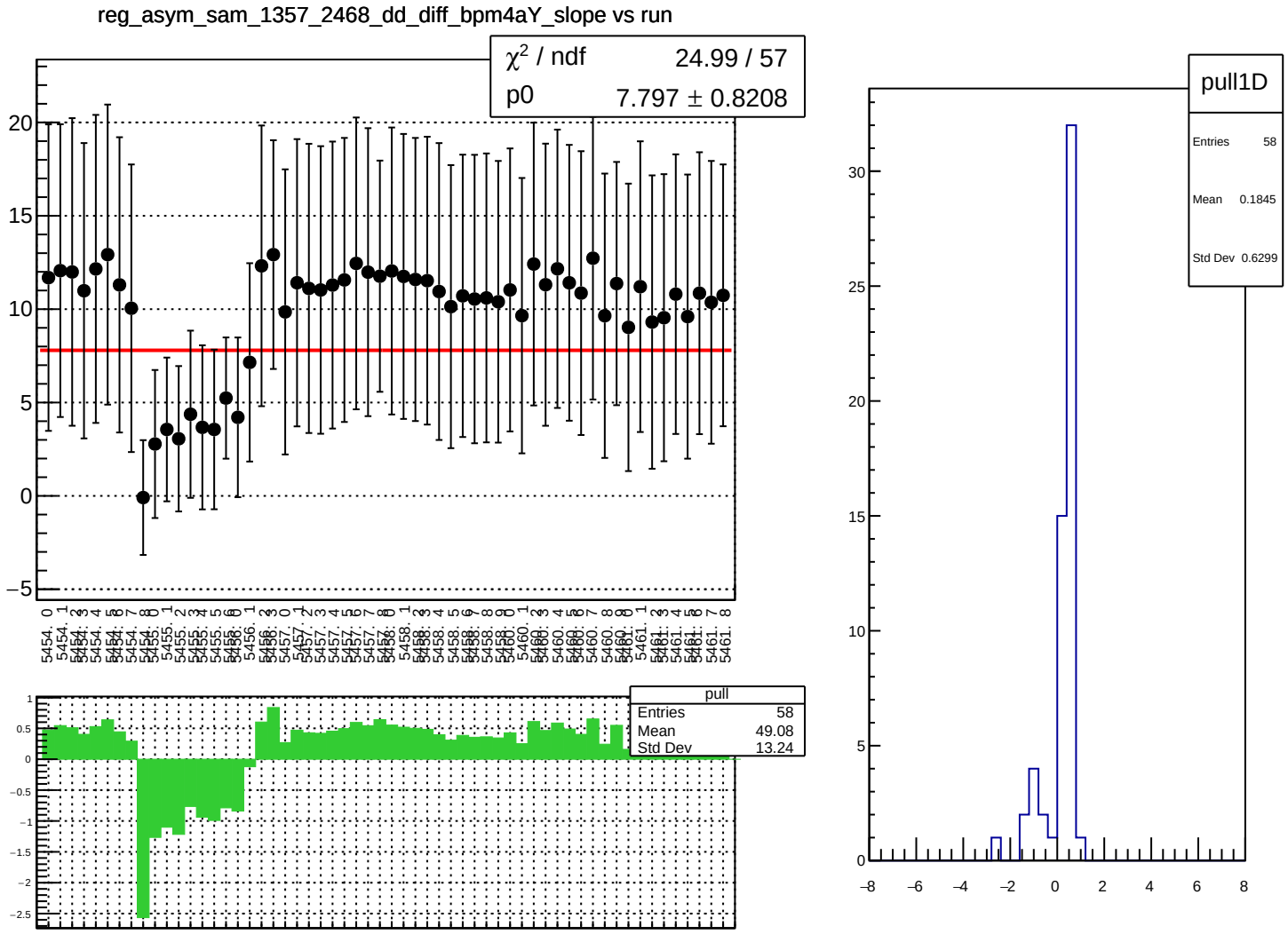

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.96 / 57
p0 4.087 ± 3.012
pull
Entries 58
Mean 54.07
Std Dev 20.3
pull1D
Entries 58
Mean 0.1724
Std Dev 0.6597

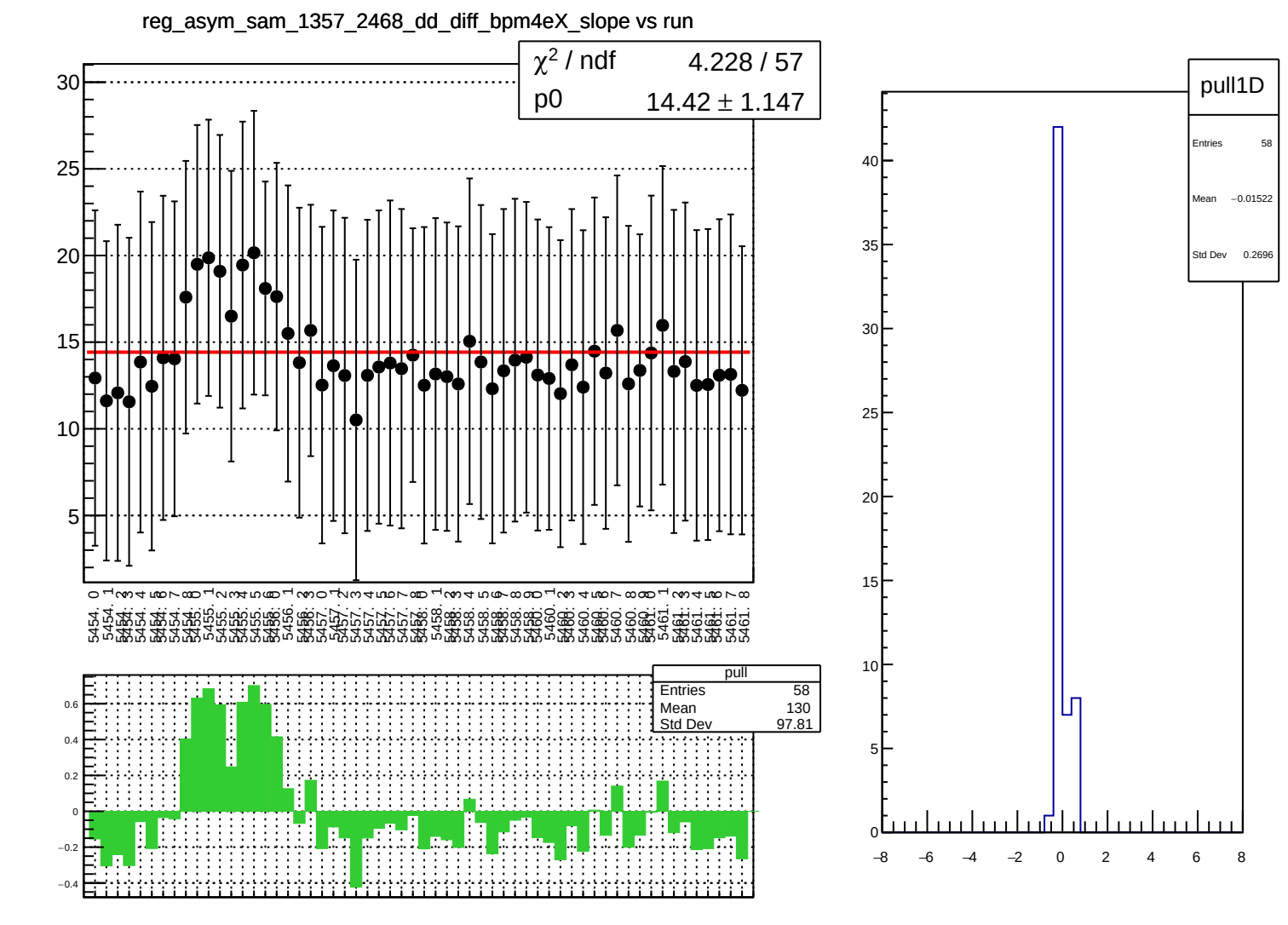

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.038 / 57
p0 −0.9219 ± 0.0818
pull
Entries 58
Mean −15.91
Std Dev 34.17

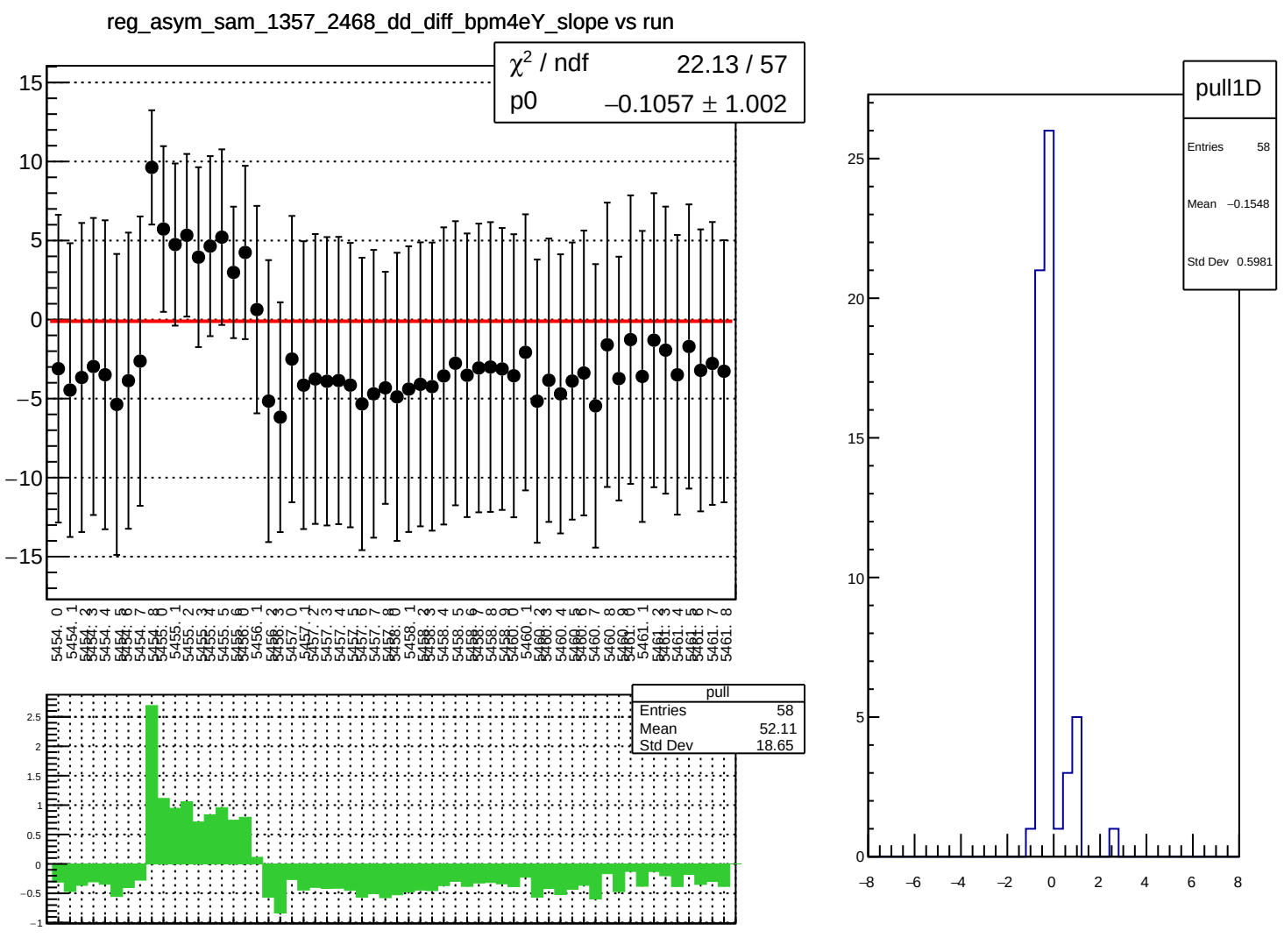

pull1D
Entries 58
Mean 0.00307
Std Dev 0.1337

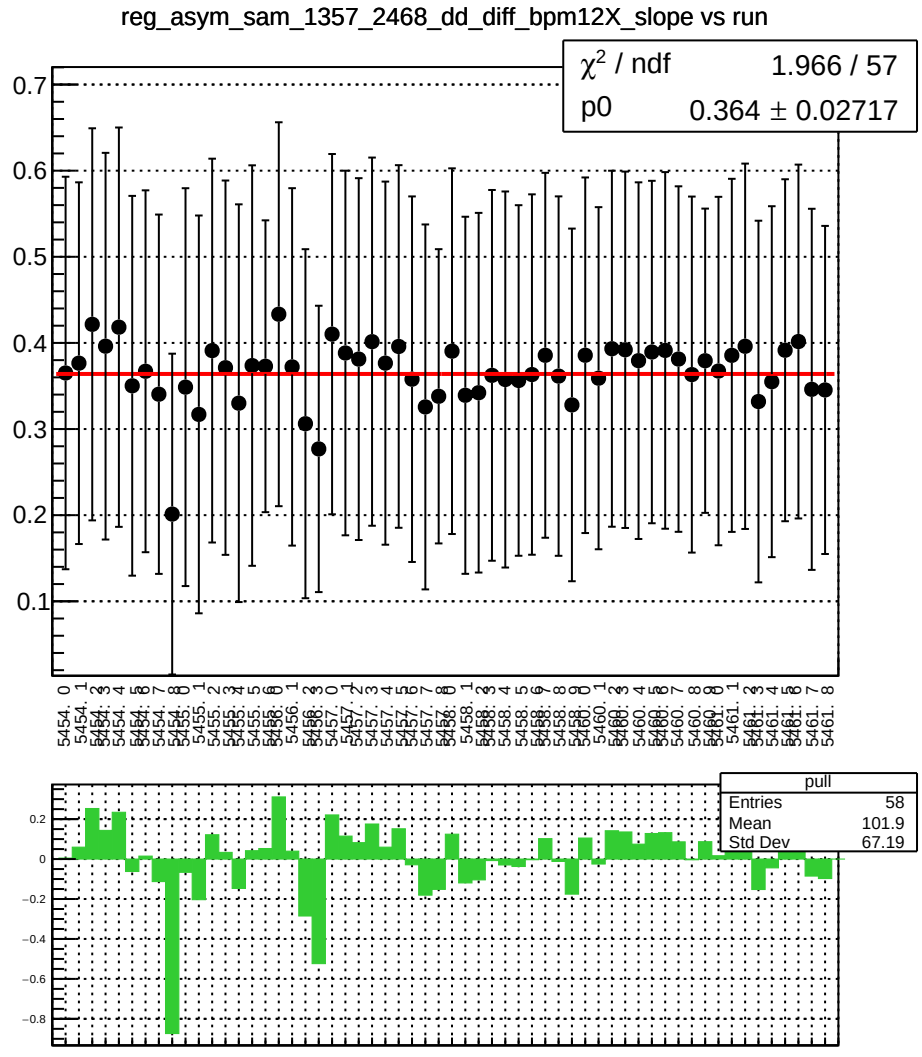

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.622 / 57
p0 21.12 ± 1.189
pull
Entries 58
Mean 94.6
Std Dev 57.88

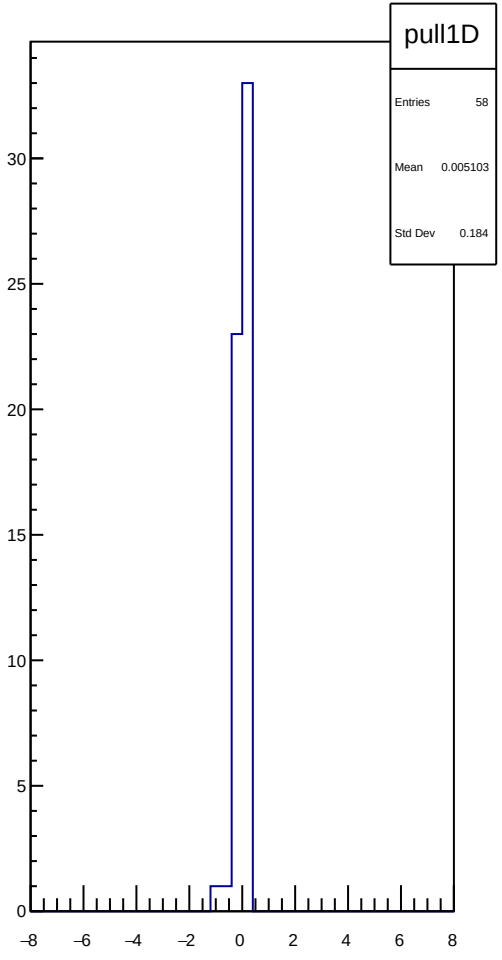

pull1D
Entries 58
Mean 0.01477
Std Dev 0.2495

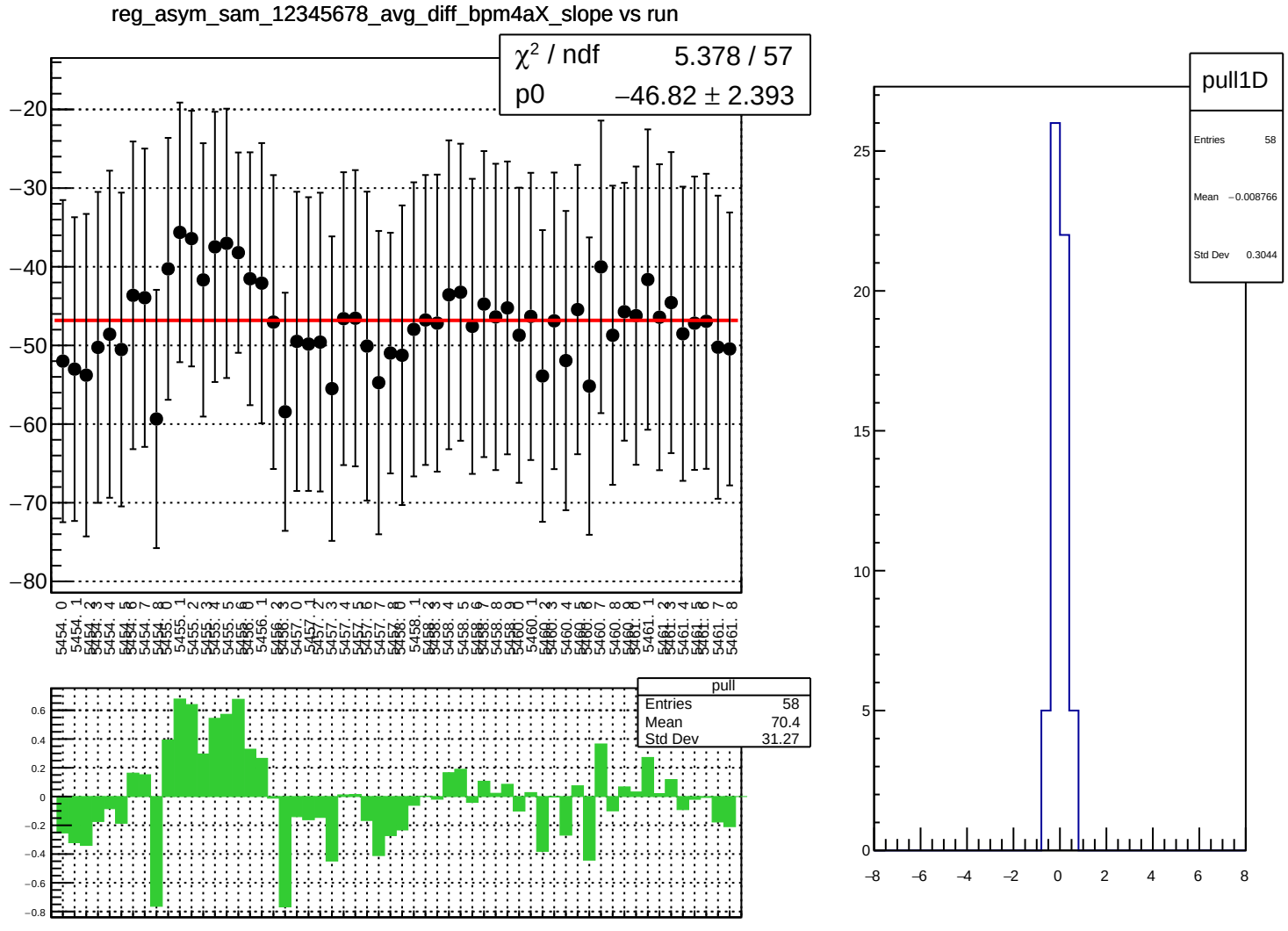

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.99 / 57
p0 7.797 ± 0.8208
pull
Entries 58
Mean 49.08
Std Dev 13.24
pull1D
Entries 58
Mean 0.1845
Std Dev 0.6299

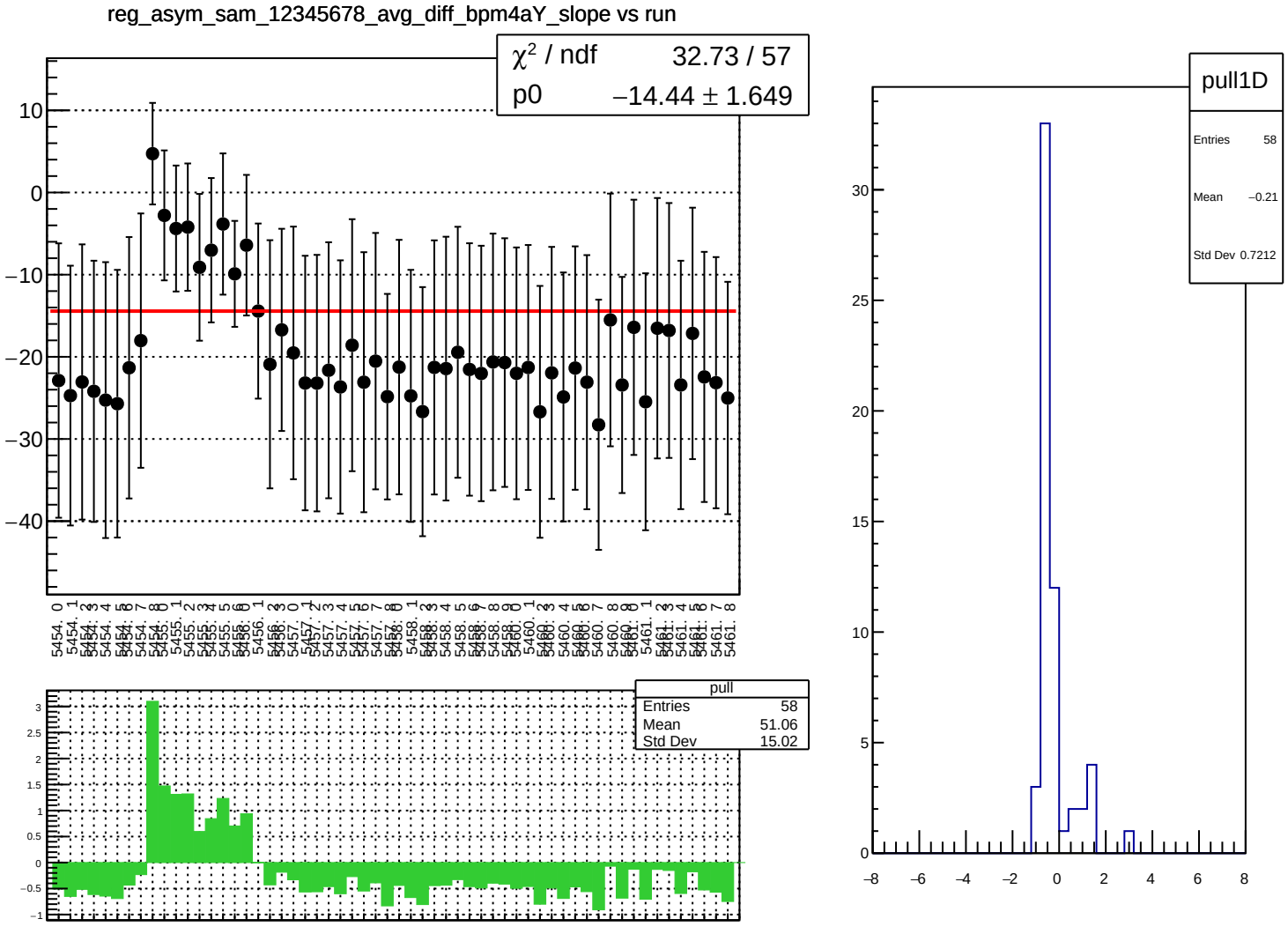

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.228 / 57
p0 14.42 ± 1.147
pull
Entries 58
Mean 130
Std Dev 97.81
pull1D
Entries 58
Mean −0.01522
Std Dev 0.2696

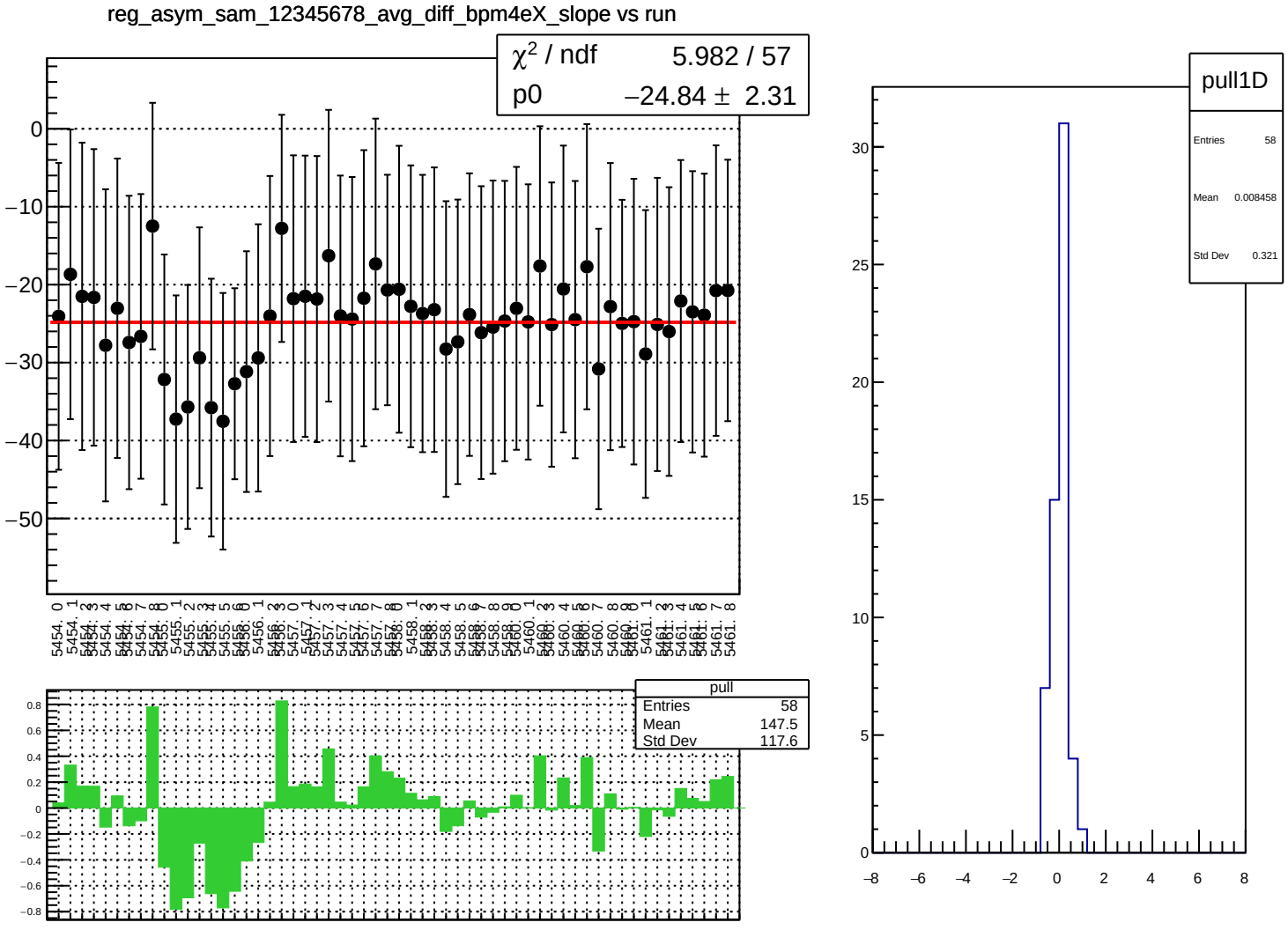

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.13 / 57
p0 −0.1057 ± 1.002
pull
Entries 58
Mean 52.11
Std Dev 18.65
pull1D
Entries 58
Mean −0.1548
Std Dev 0.5981

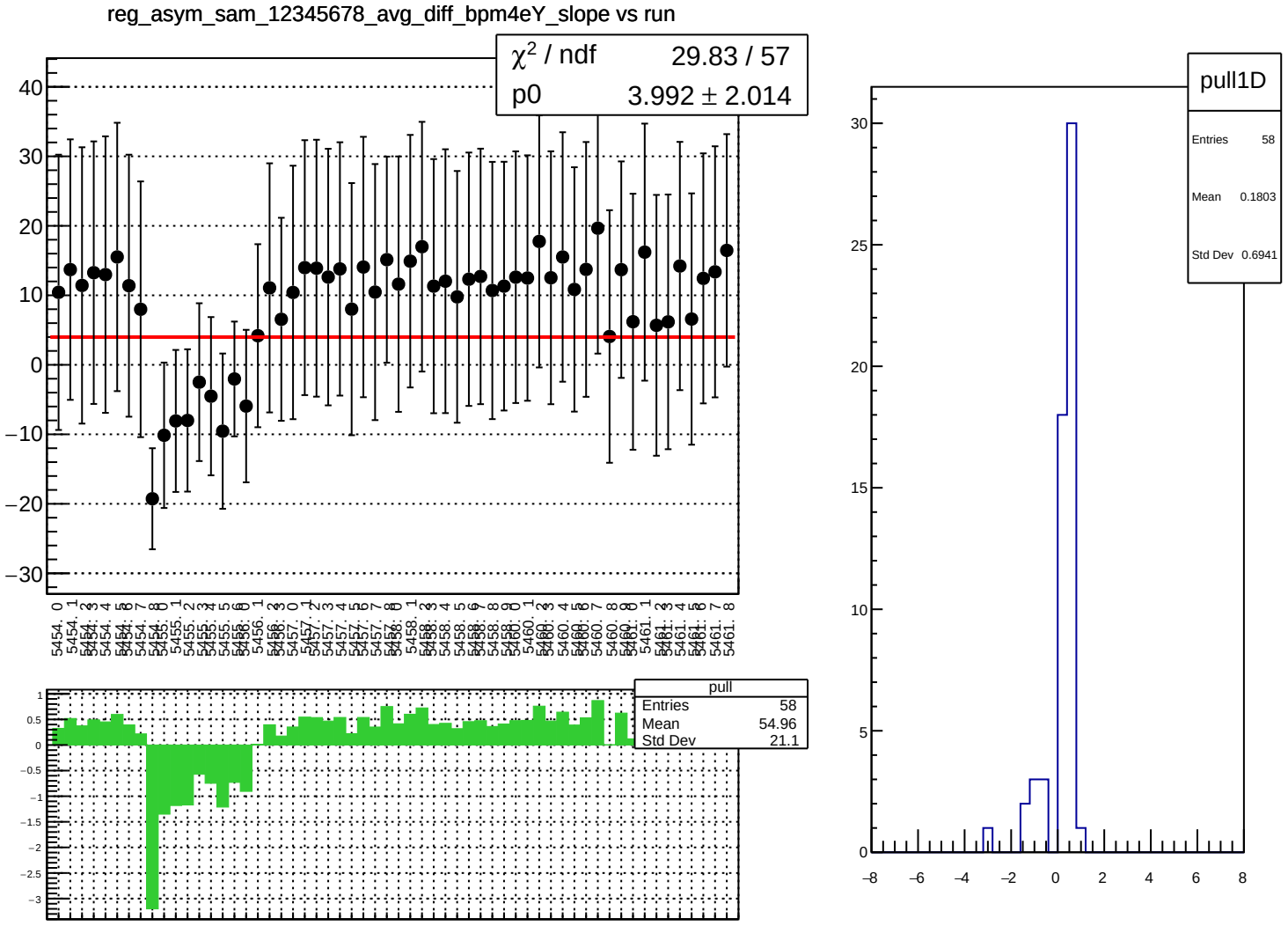

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.966 / 57
p0 0.364 ± 0.02717
pull
Entries 58
Mean 101.9
Std Dev 67.19

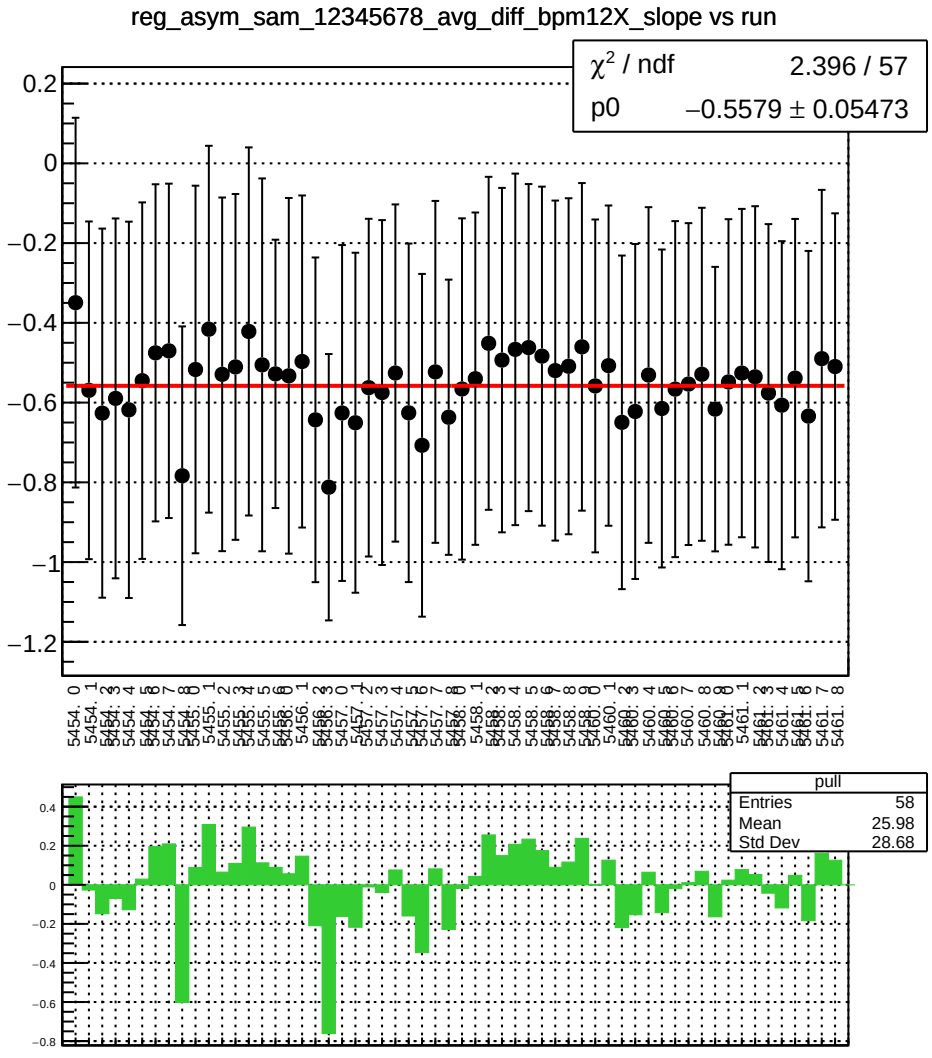

pull1D
Entries 58
Mean 0.005103
Std Dev 0.184

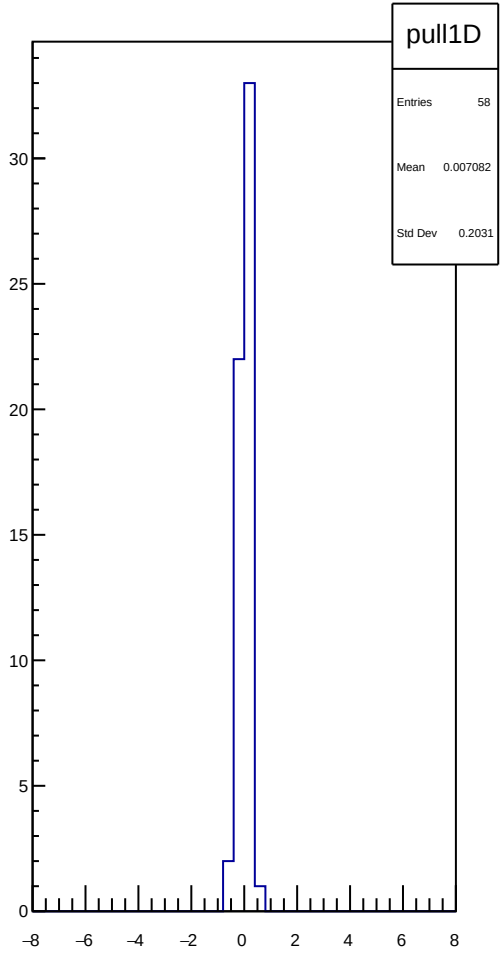

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.378 / 57
p0 −46.82 ± 2.393
pull
Entries 58
Mean 70.4
Std Dev 31.27
pull1D
Entries 58
Mean −0.008766
Std Dev 0.3044

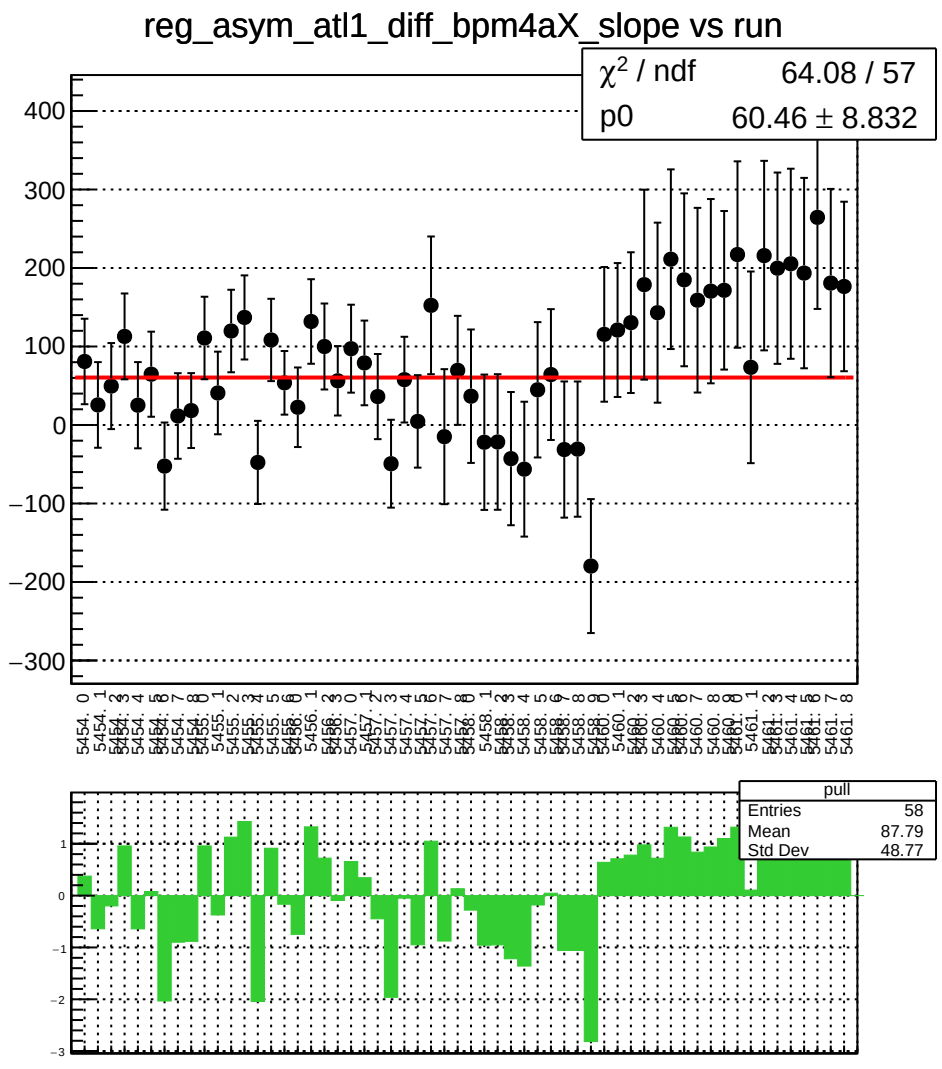

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.73 / 57
p0 −14.44 ± 1.649
pull
Entries 58
Mean 51.06
Std Dev 15.02
pull1D
Entries 58
Mean −0.21
Std Dev 0.7212

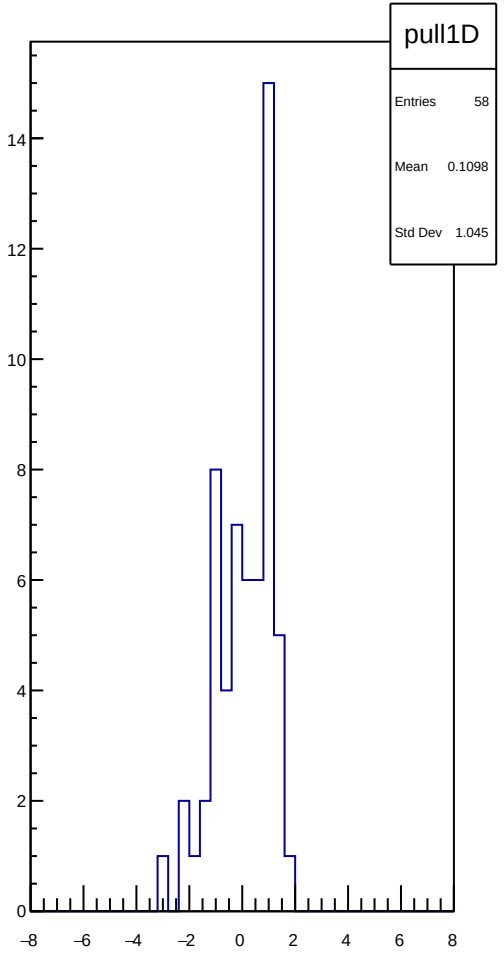

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.982 / 57
p0 −24.84 ± 2.31
pull
Entries 58
Mean 147.5
Std Dev 117.6
pull1D
Entries 58
Mean 0.008458
Std Dev 0.321

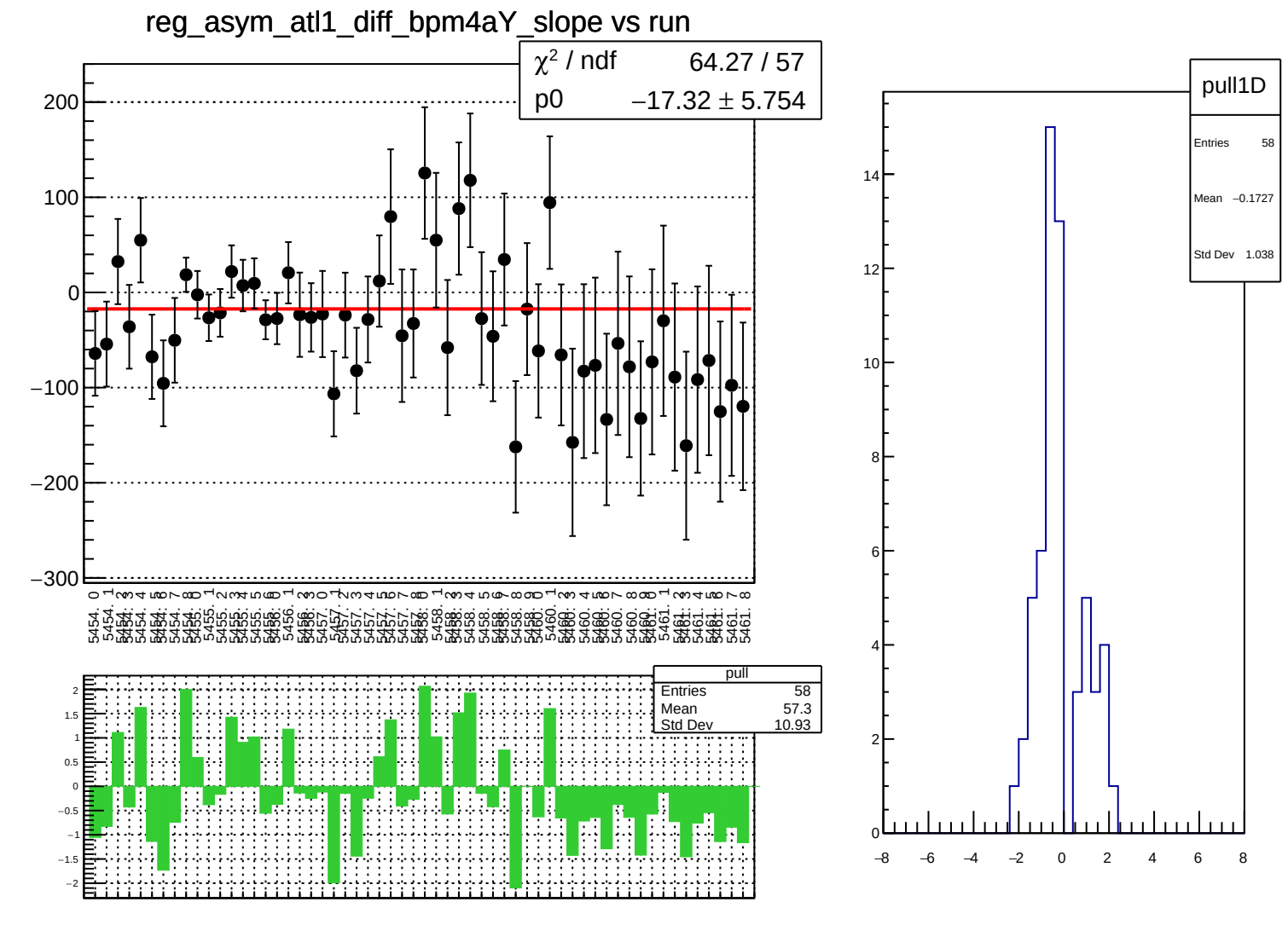

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.83 / 57
p0 3.992 ± 2.014
pull
Entries 58
Mean 54.96
Std Dev 21.1
pull1D
Entries 58
Mean 0.1803
Std Dev 0.6941

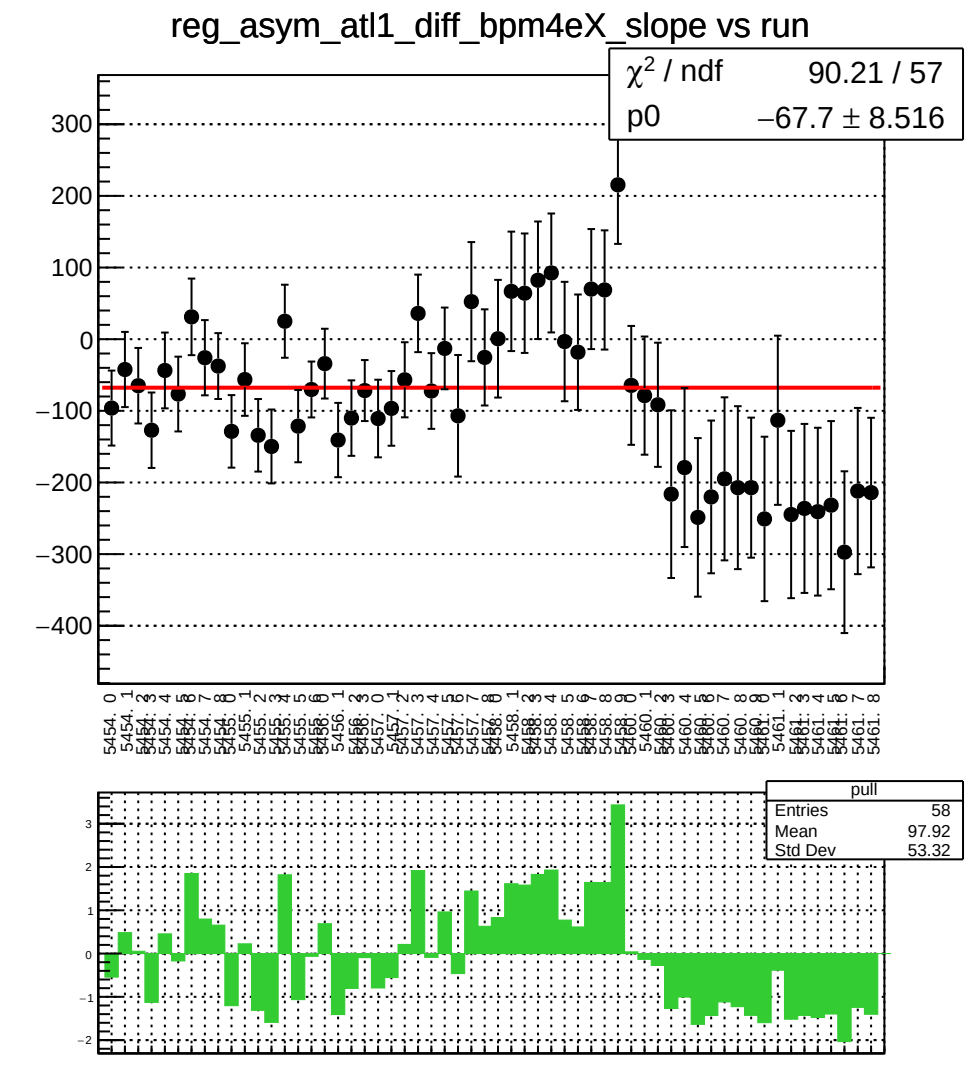

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.396 / 57
p0 −0.5579 ± 0.05473
pull
Entries 58
Mean 25.98
Std Dev 28.68

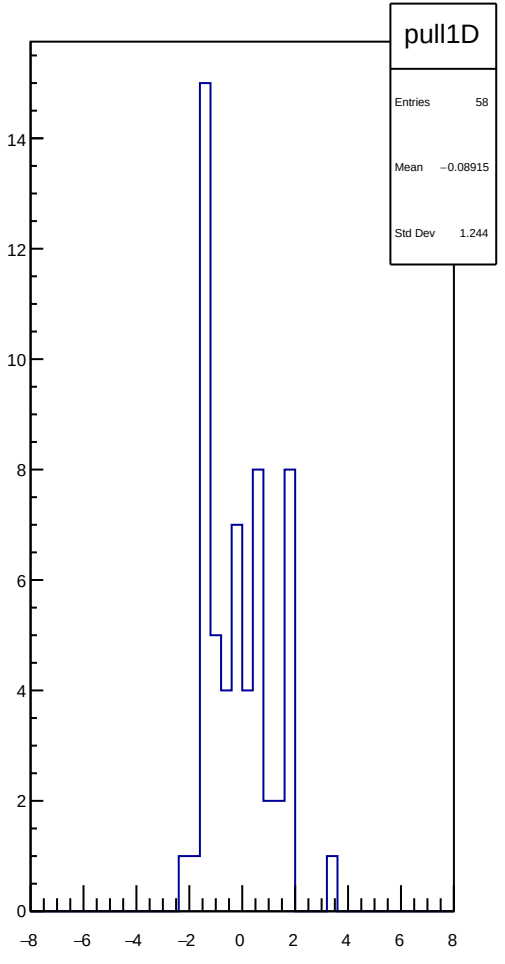

pull1D
Entries 58
Mean 0.007082
Std Dev 0.2031

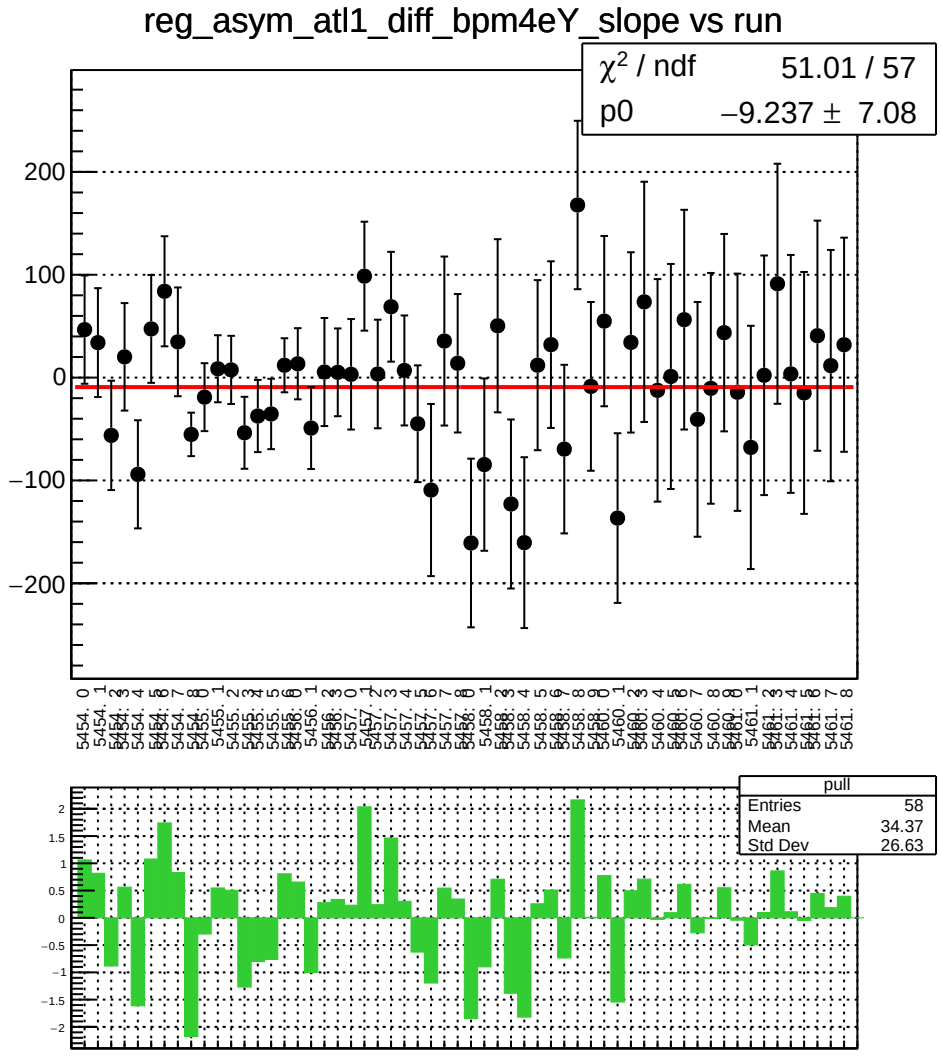

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 64.08 / 57
p0 60.46 ± 8.832
pull
Entries 58
Mean 87.79
Std Dev 48.77

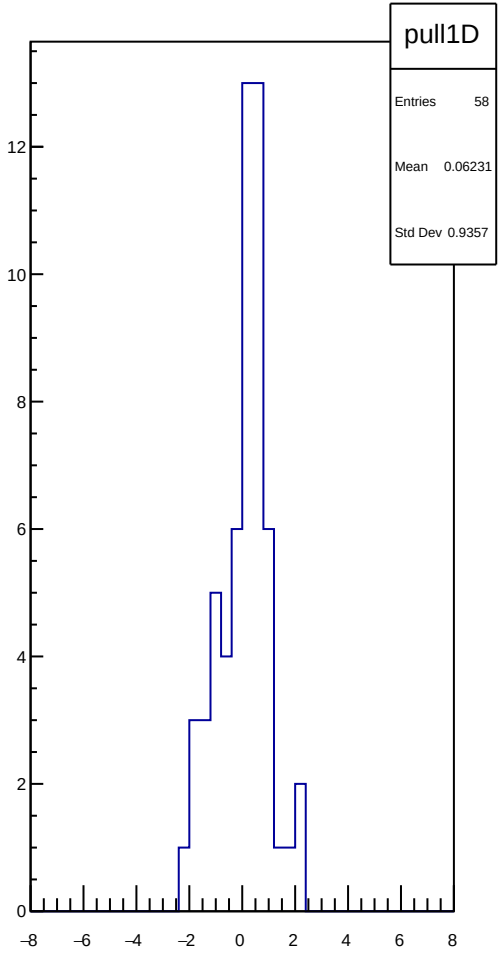

pull1D
Entries 58
Mean 0.1098
Std Dev 1.045

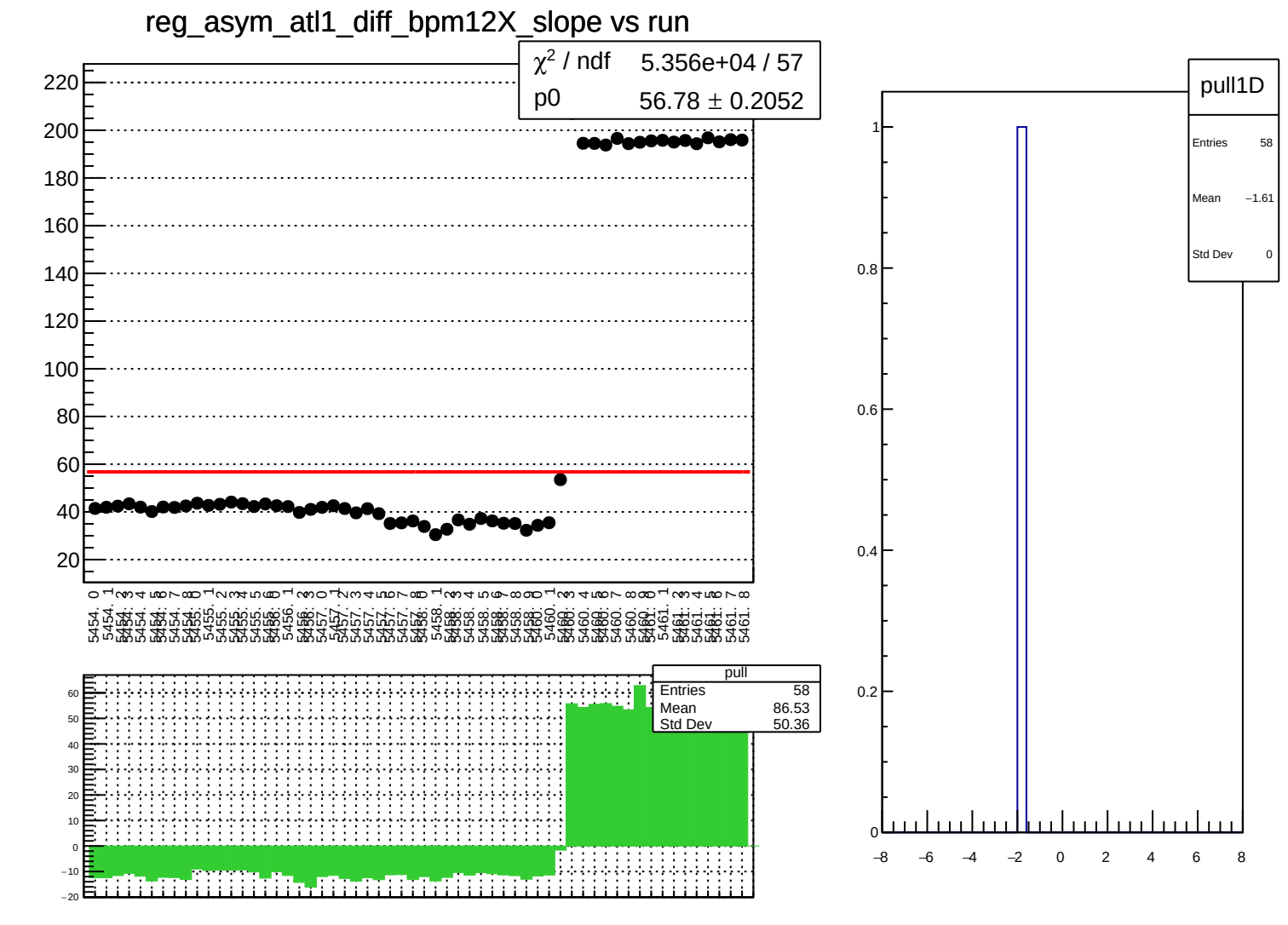

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 64.27 / 57
p0 −17.32 ± 5.754
pull
Entries 58
Mean 57.3
Std Dev 10.93
pull1D
Entries 58
Mean −0.1727
Std Dev 1.038

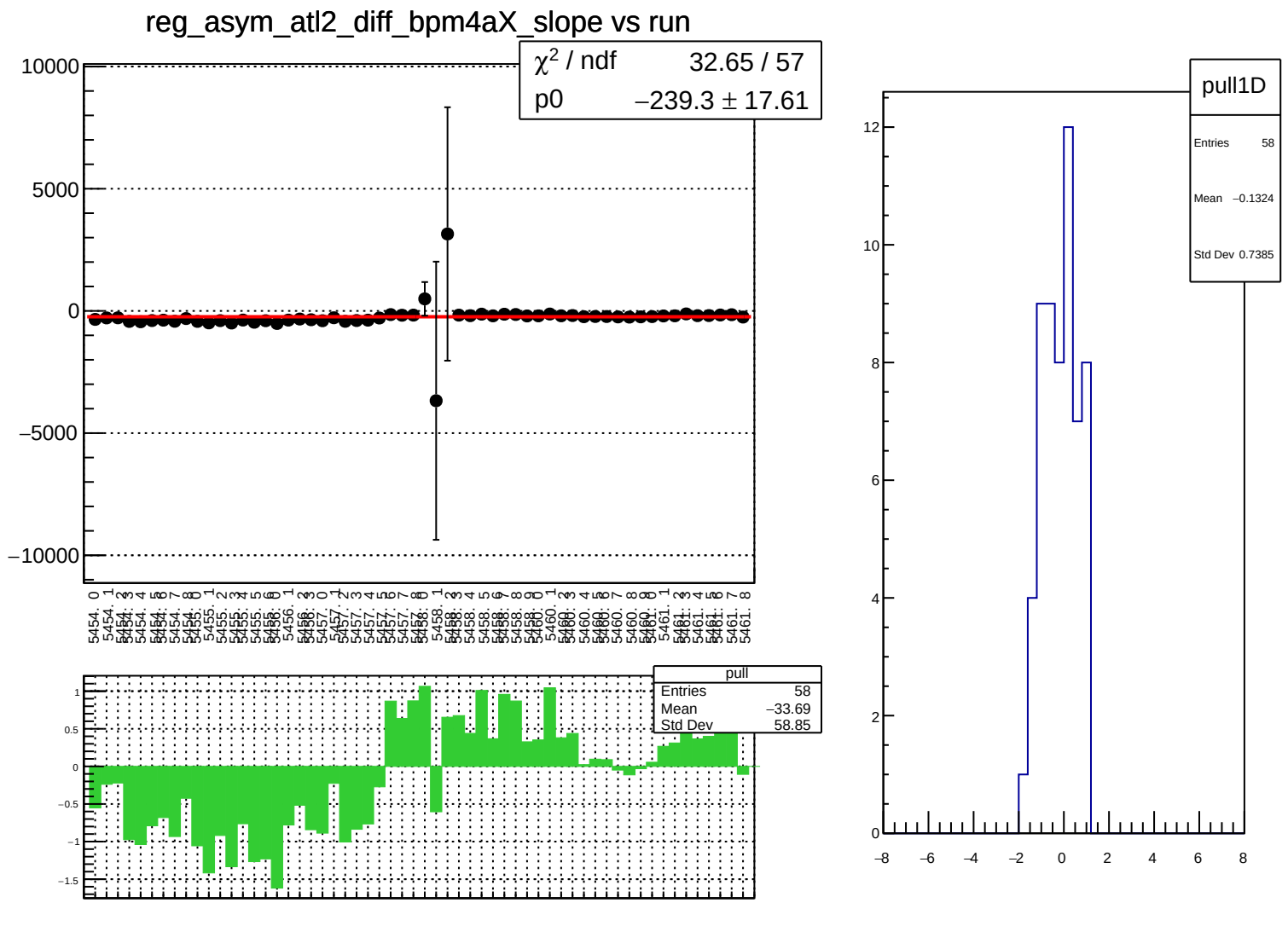

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 90.21 / 57
p0 −67.7 ± 8.516
pull
Entries 58
Mean 97.92
Std Dev 53.32

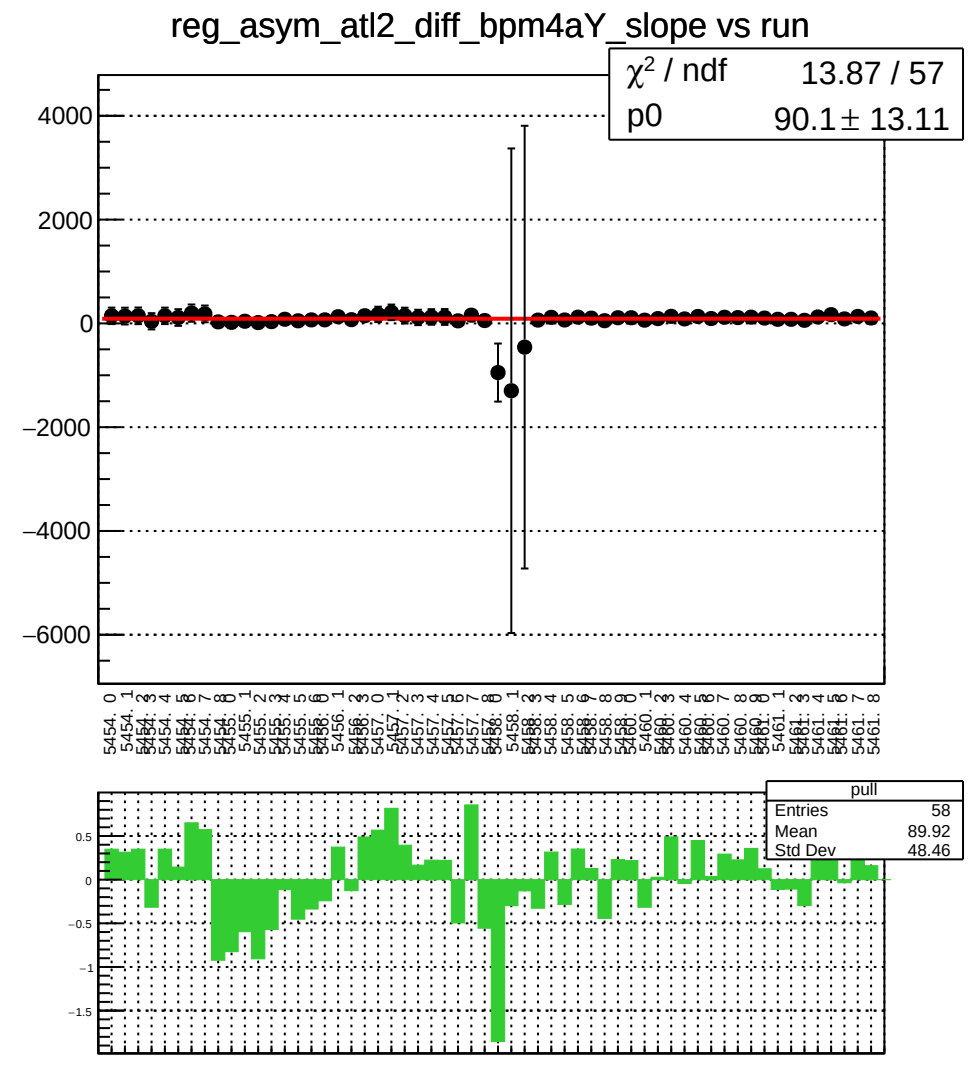

pull1D
Entries 58
Mean −0.08915
Std Dev 1.244

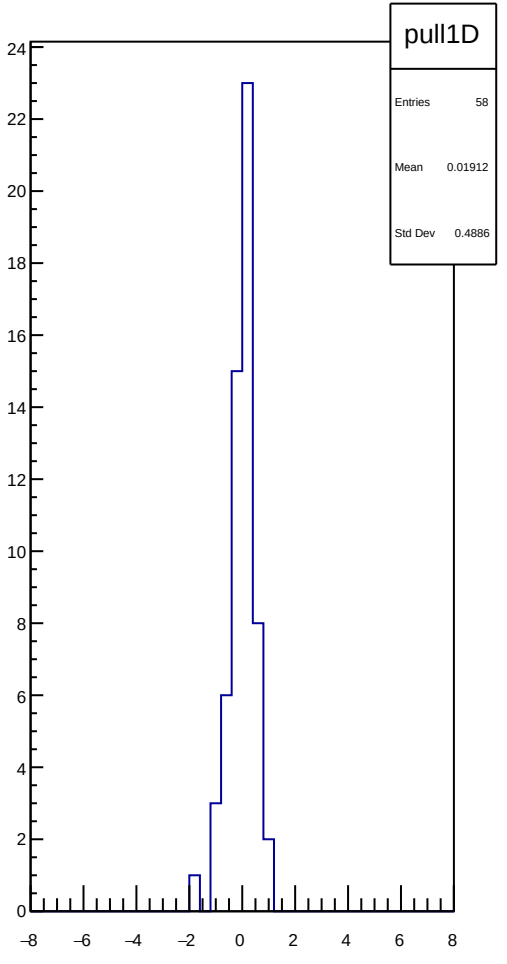

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 51.01 / 57
p0 −9.237 ± 7.08
200
100
0
−100
−200
pull
Entries 58
Mean 34.37
Std Dev 26.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

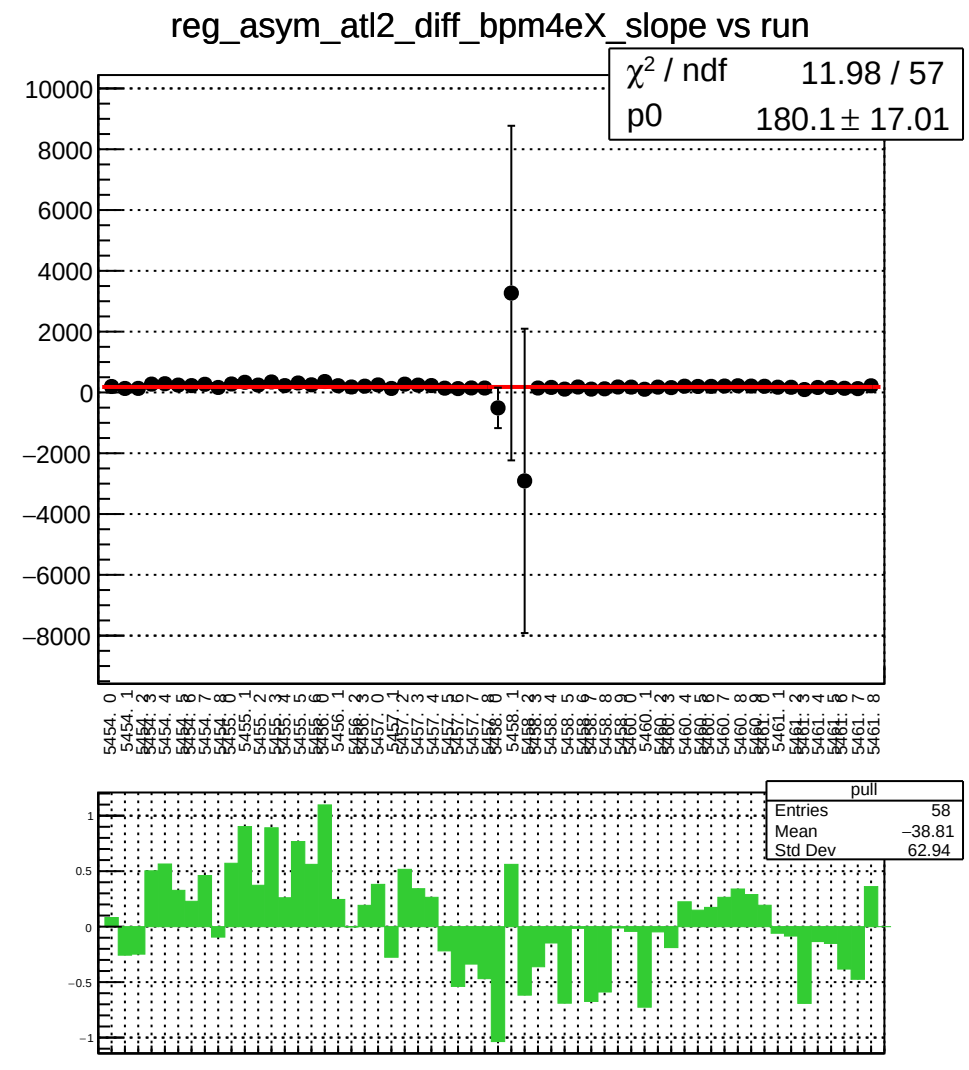

pull1D
Entries 58
Mean 0.06231
Std Dev 0.9357
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

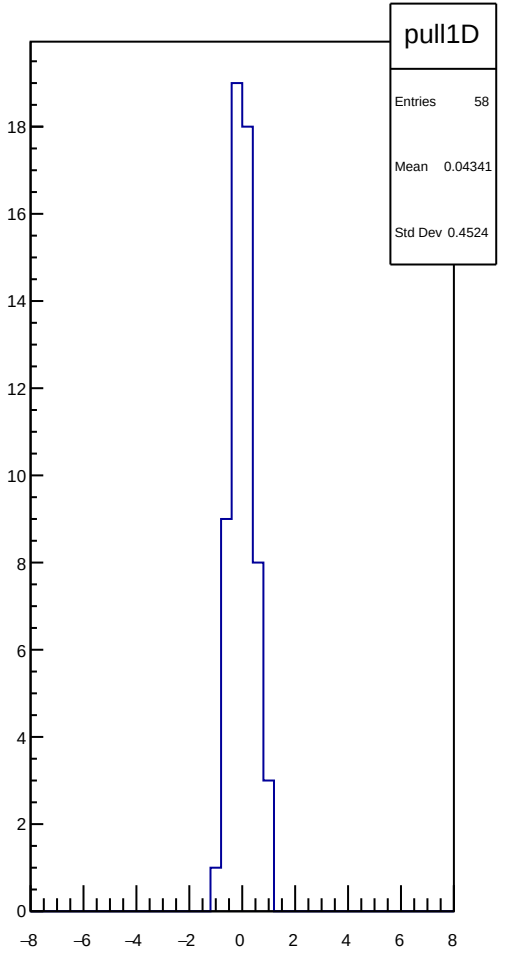

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 5.356e+04 / 57
p0 56.78 ± 0.2052
pull
Entries 58
Mean 86.53
Std Dev 50.36
pull1D
Entries 58
Mean −1.61
Std Dev 0

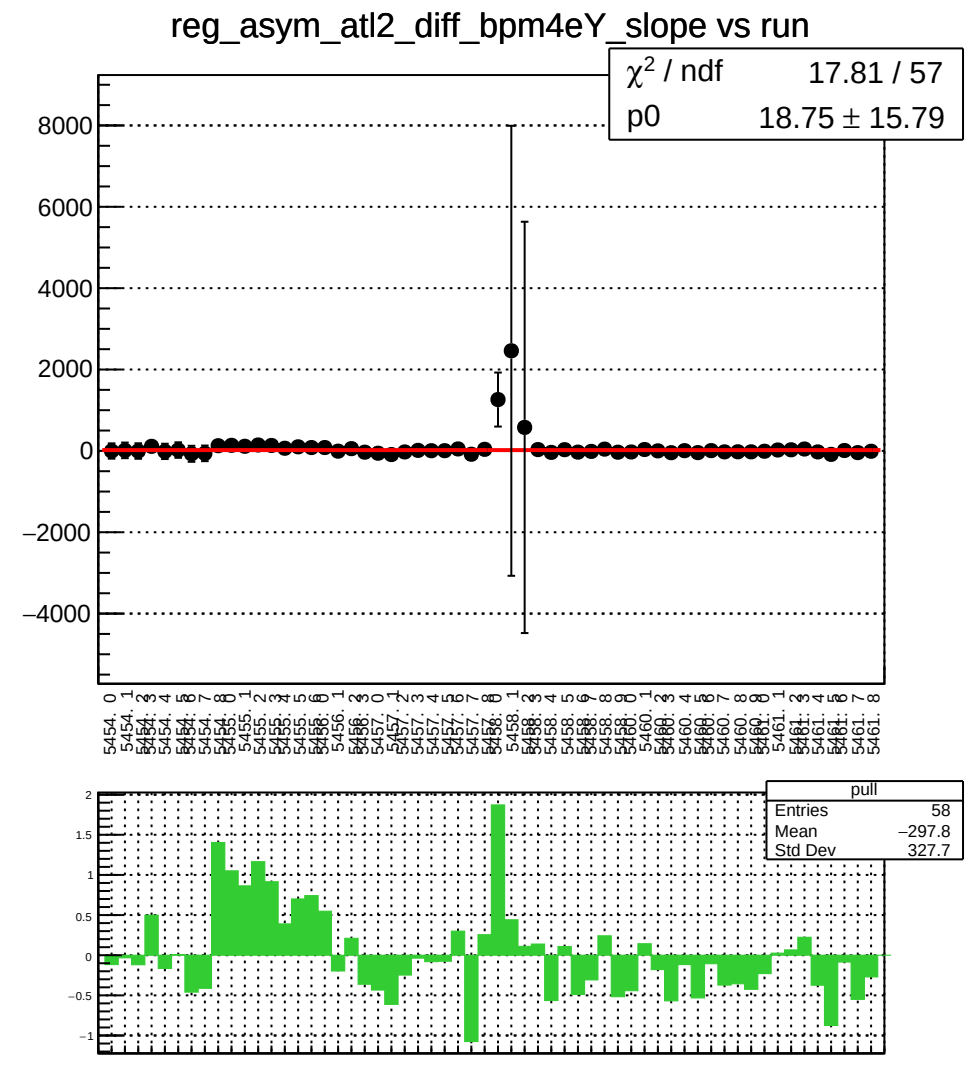

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 32.65 / 57
p0 −239.3 ± 17.61
10000
5000
0
−5000
−10000
pull
Entries 58
Mean −33.69
Std Dev 58.85
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 58
Mean −0.1324
Std Dev 0.7385
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

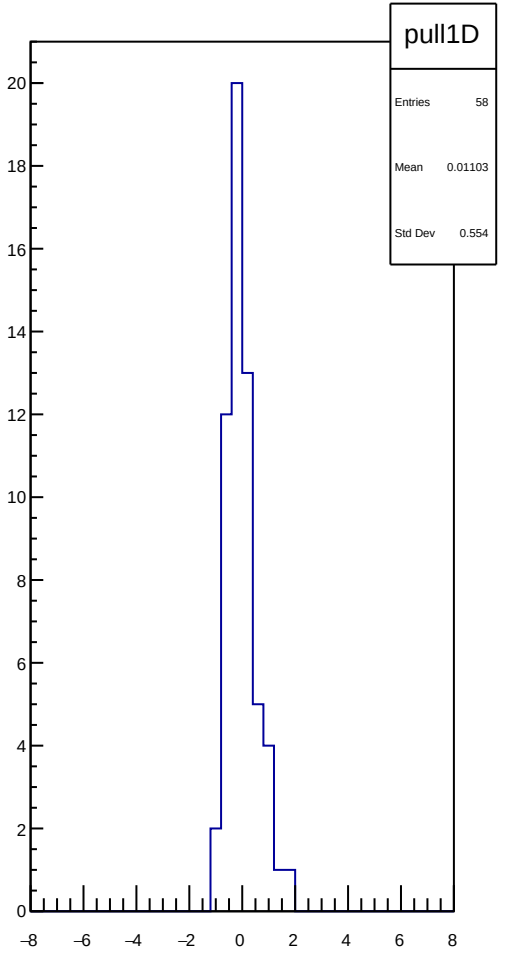

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 13.87 / 57
p0 90.1 ± 13.11
4000
2000
0
−2000
−4000
−6000
pull
Entries 58
Mean 89.92
Std Dev 48.46
0.5
0
−0.5
−1
−1.5

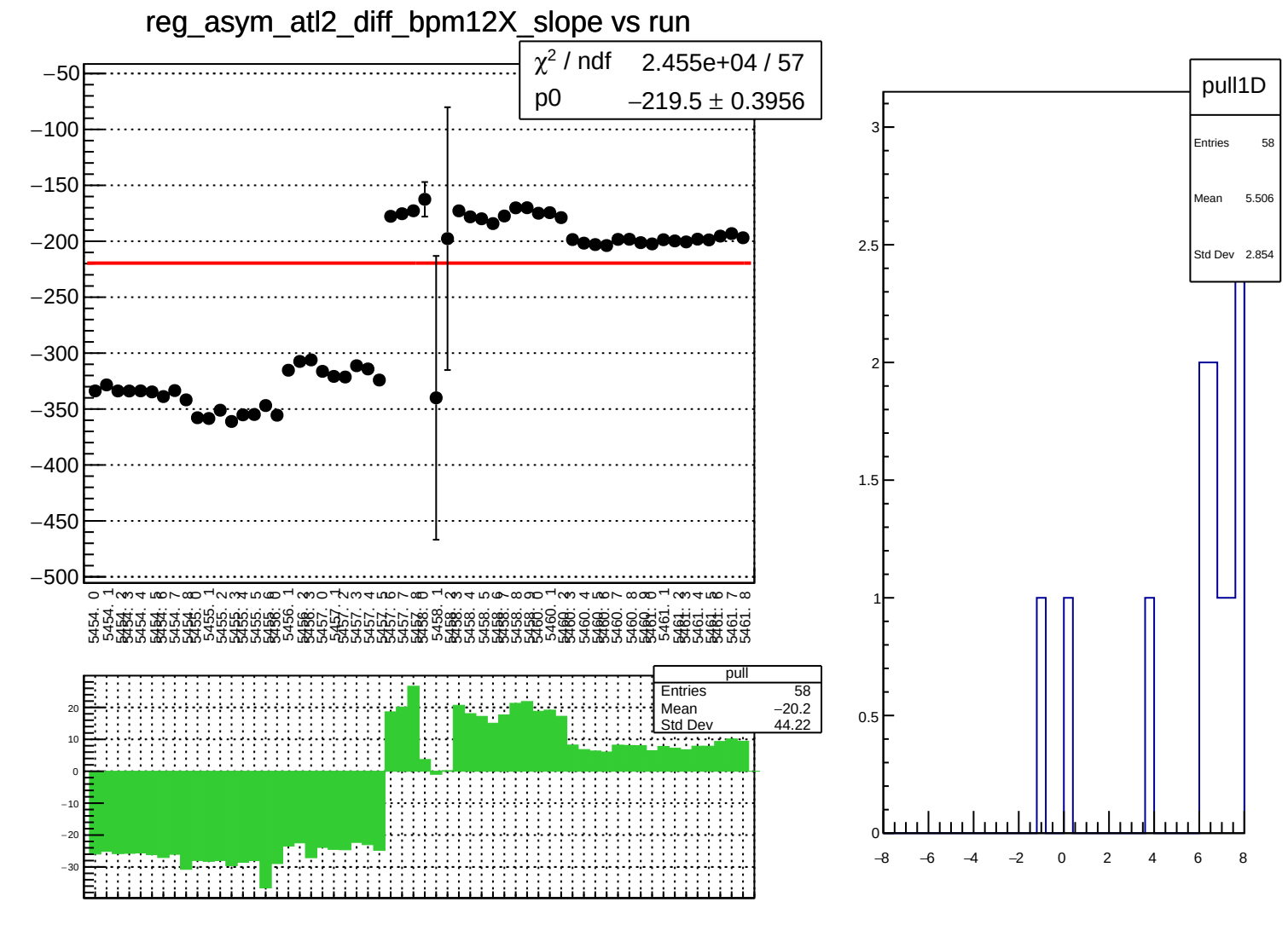

pull1D
Entries 58
Mean 0.01912
Std Dev 0.4886
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

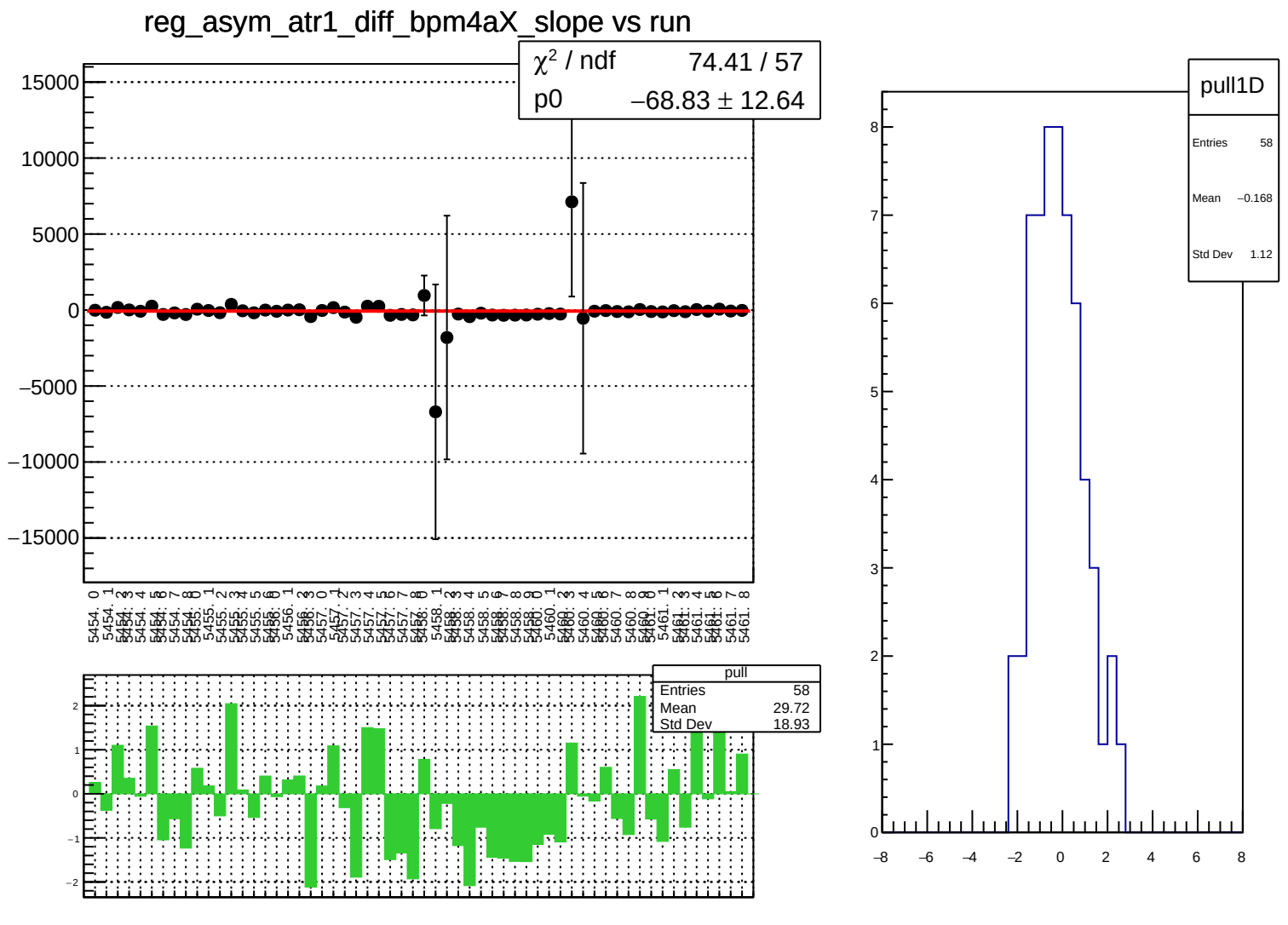

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 11.98 / 57
p0 180.1 ± 17.01
pull
Entries 58
Mean −38.81
Std Dev 62.94

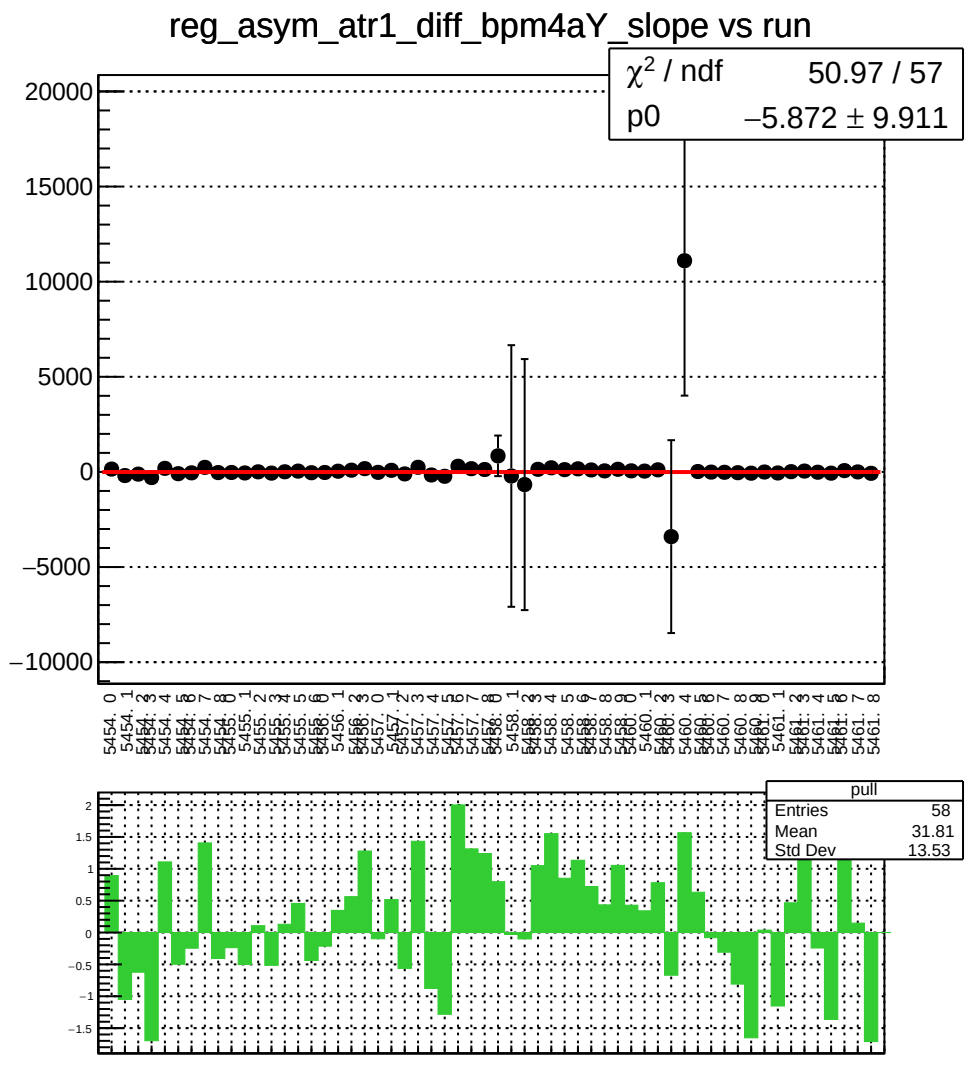

pull1D
Entries 58
Mean 0.04341
Std Dev 0.4524

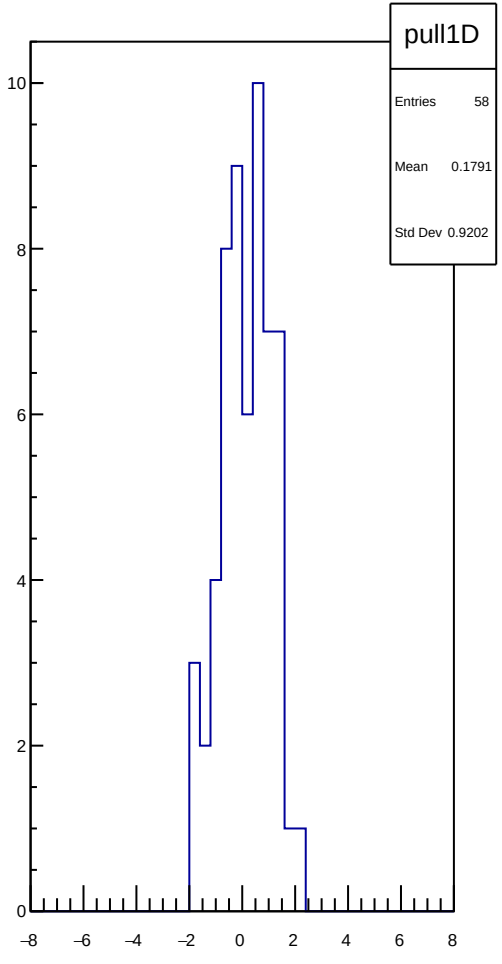

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 17.81 / 57
p0 18.75 ± 15.79
pull
Entries 58
Mean −297.8
Std Dev 327.7

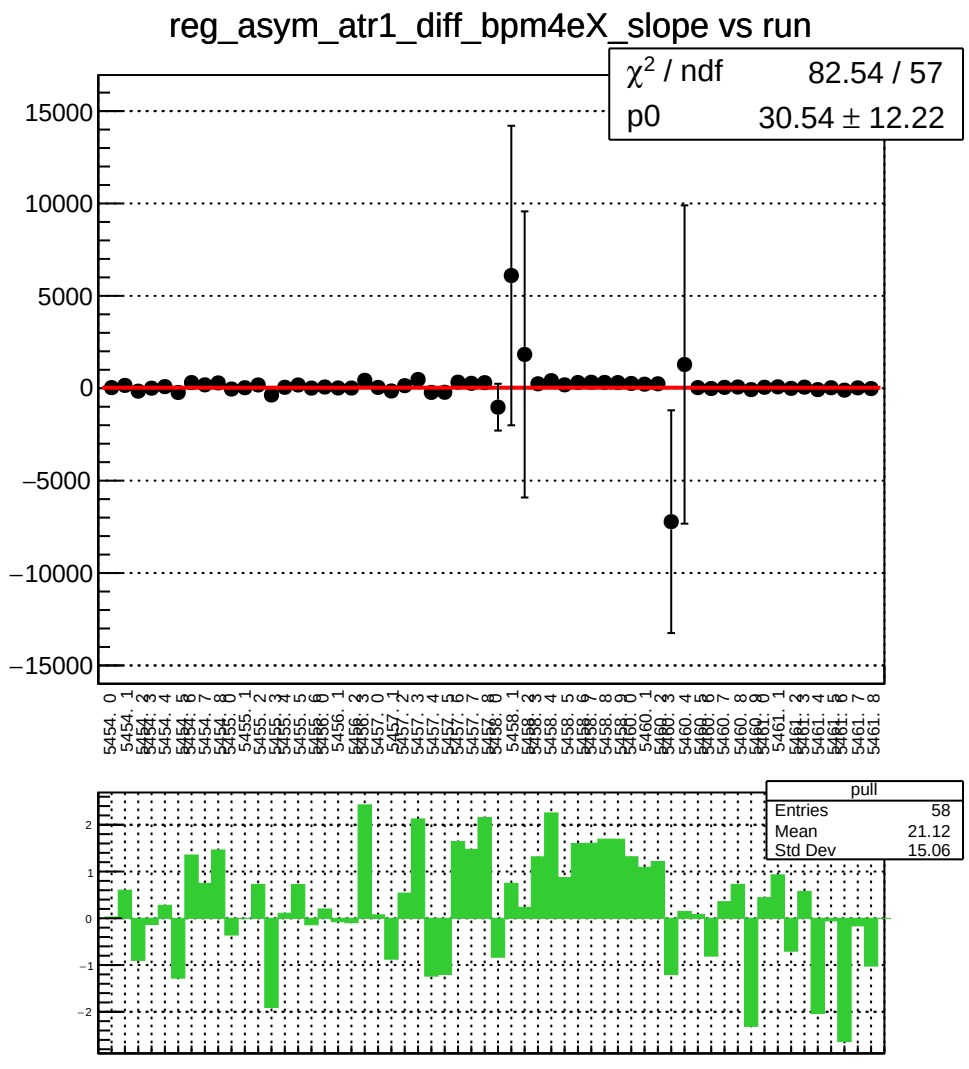

pull1D
Entries 58
Mean 0.01103
Std Dev 0.554

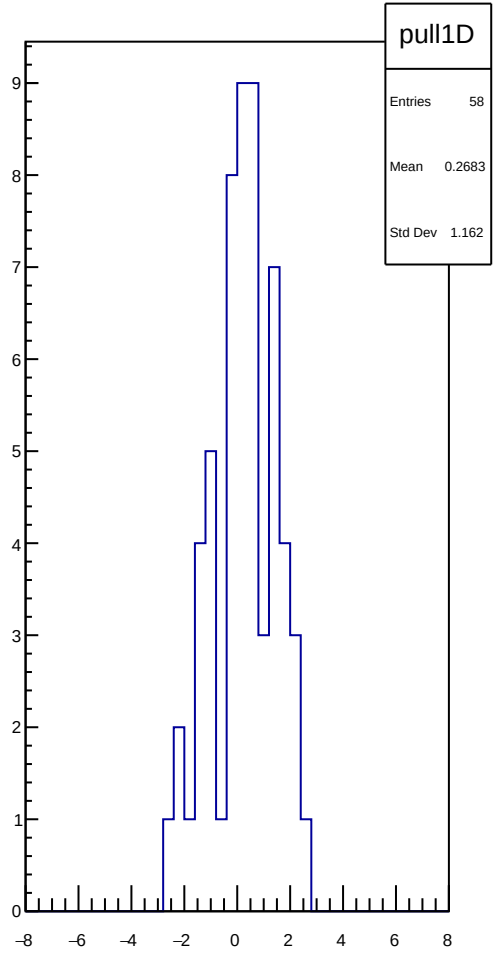

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 2.455e+04 / 57
p0 −219.5 ± 0.3956
pull
Entries 58
Mean −20.2
Std Dev 44.22
pull1D
Entries 58
Mean 5.506
Std Dev 2.854

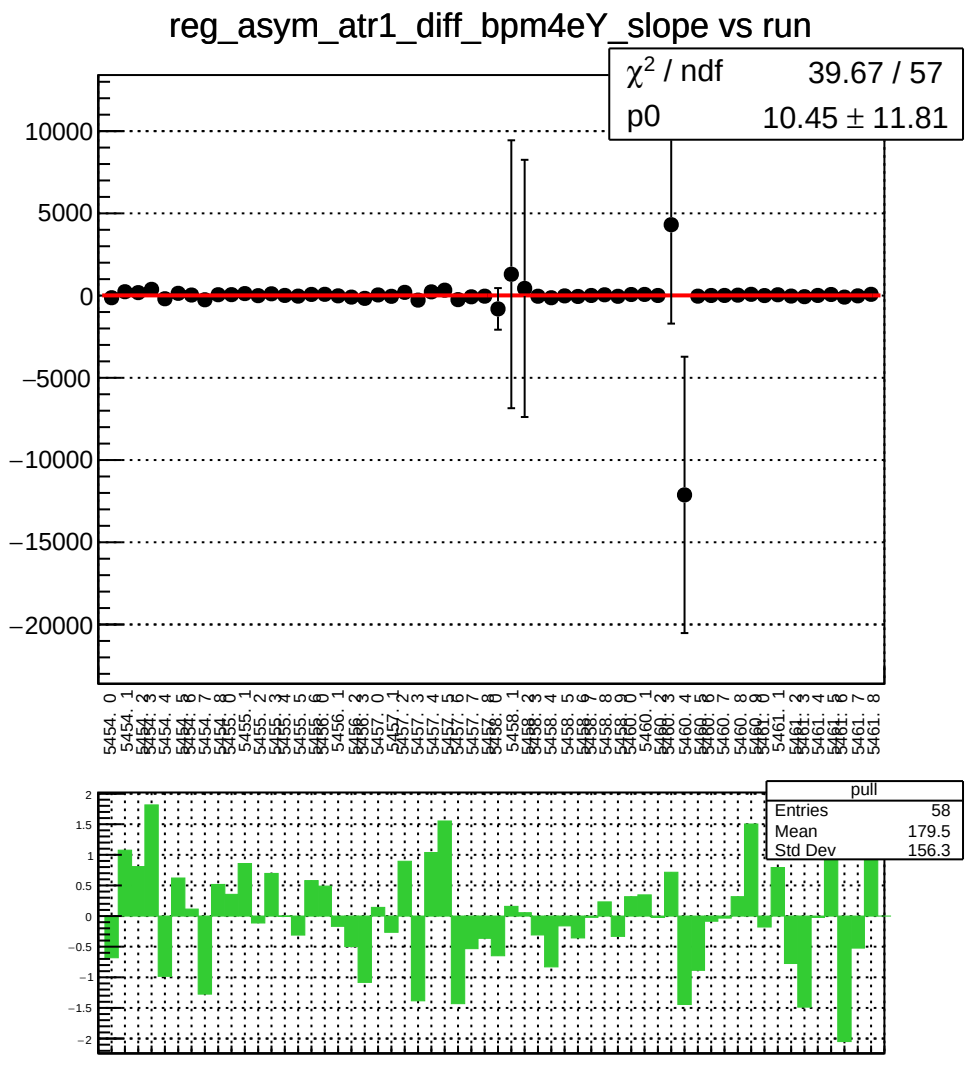

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 74.41 / 57
p0 −68.83 ± 12.64
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 58
Mean 29.72
Std Dev 18.93
pull1D
Entries 58
Mean −0.168
Std Dev 1.12

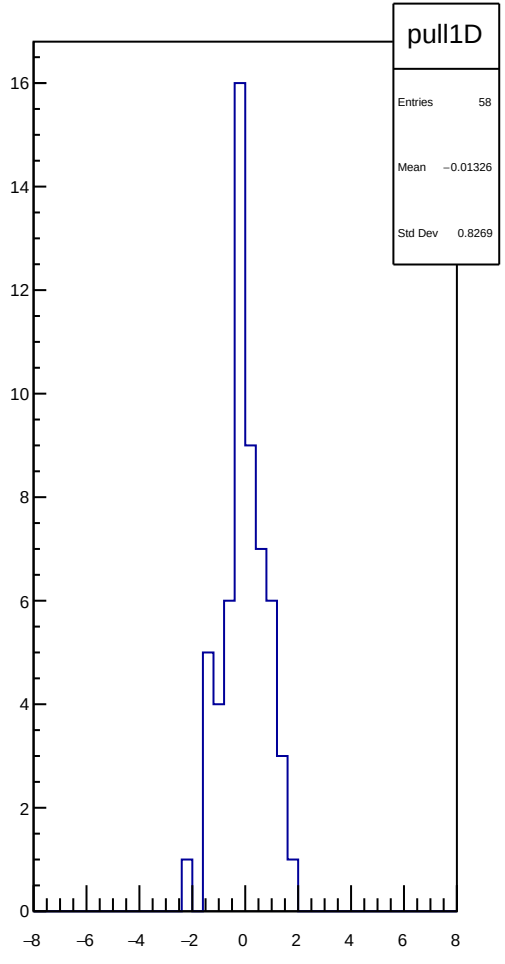

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 50.97 / 57
p0 −5.872 ± 9.911
pull
Entries 58
Mean 31.81
Std Dev 13.53

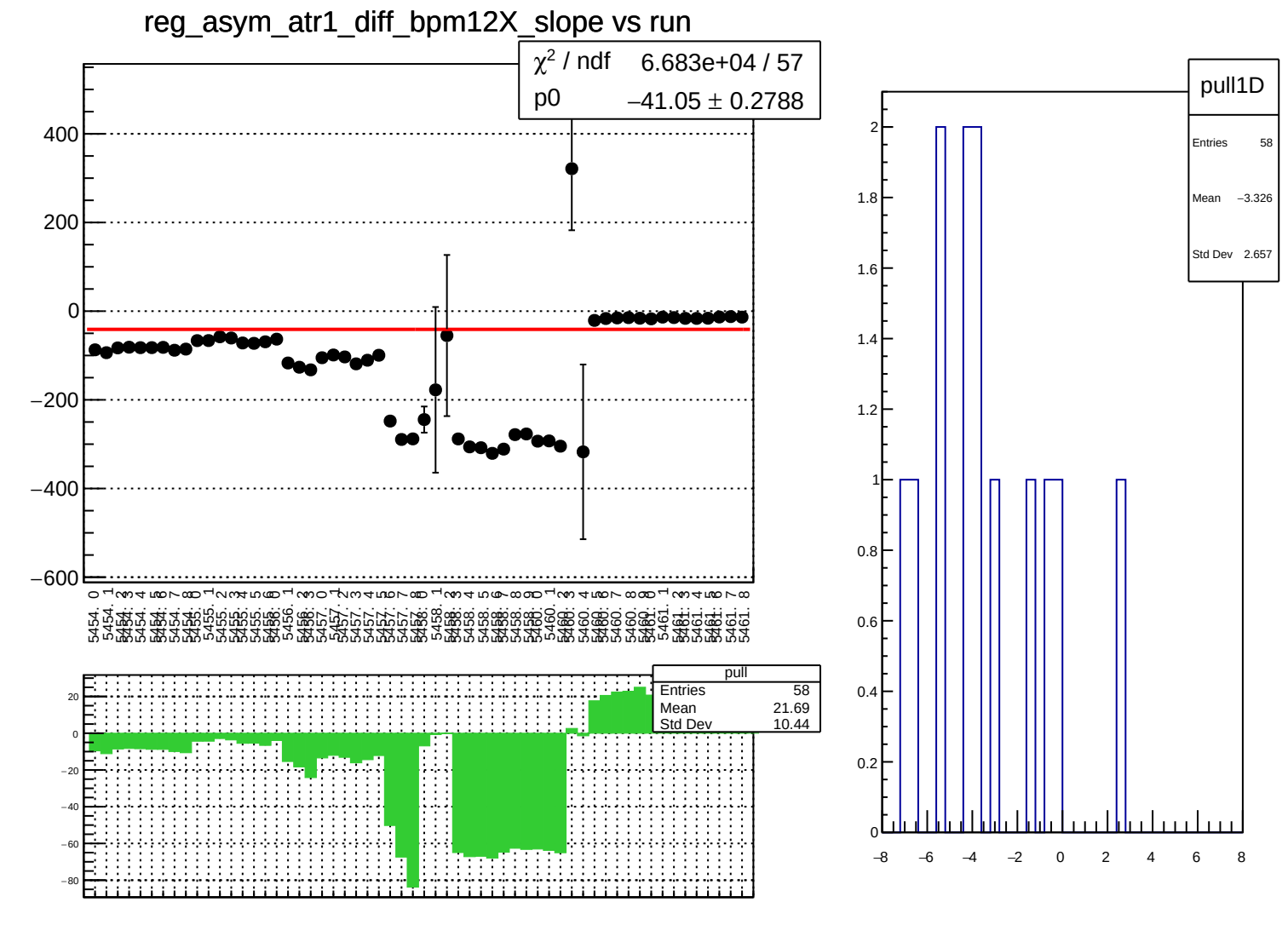

pull1D
Entries 58
Mean 0.1791
Std Dev 0.9202

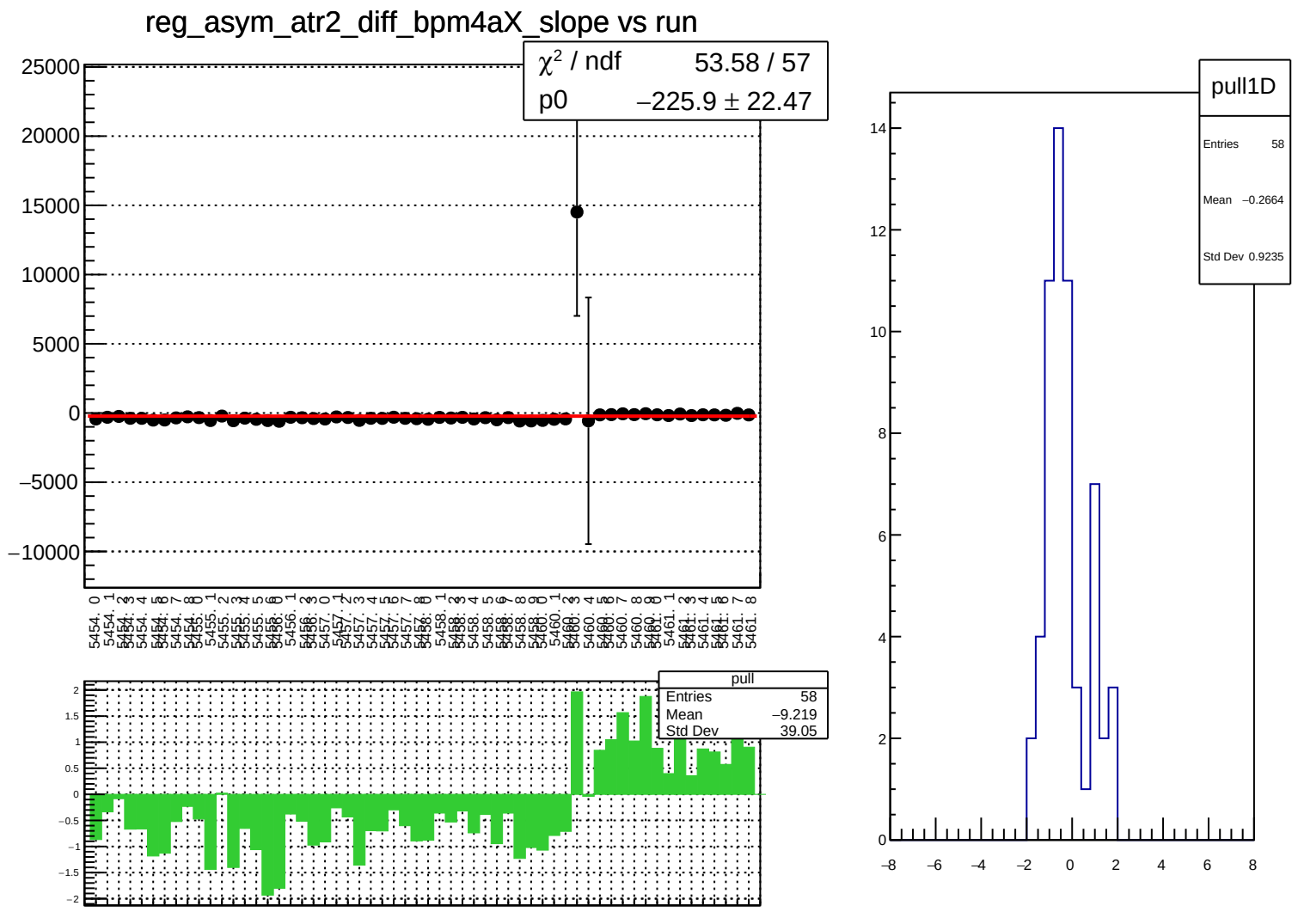

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 82.54 / 57
p0 30.54 ± 12.22
pull
Entries 58
Mean 21.12
Std Dev 15.06

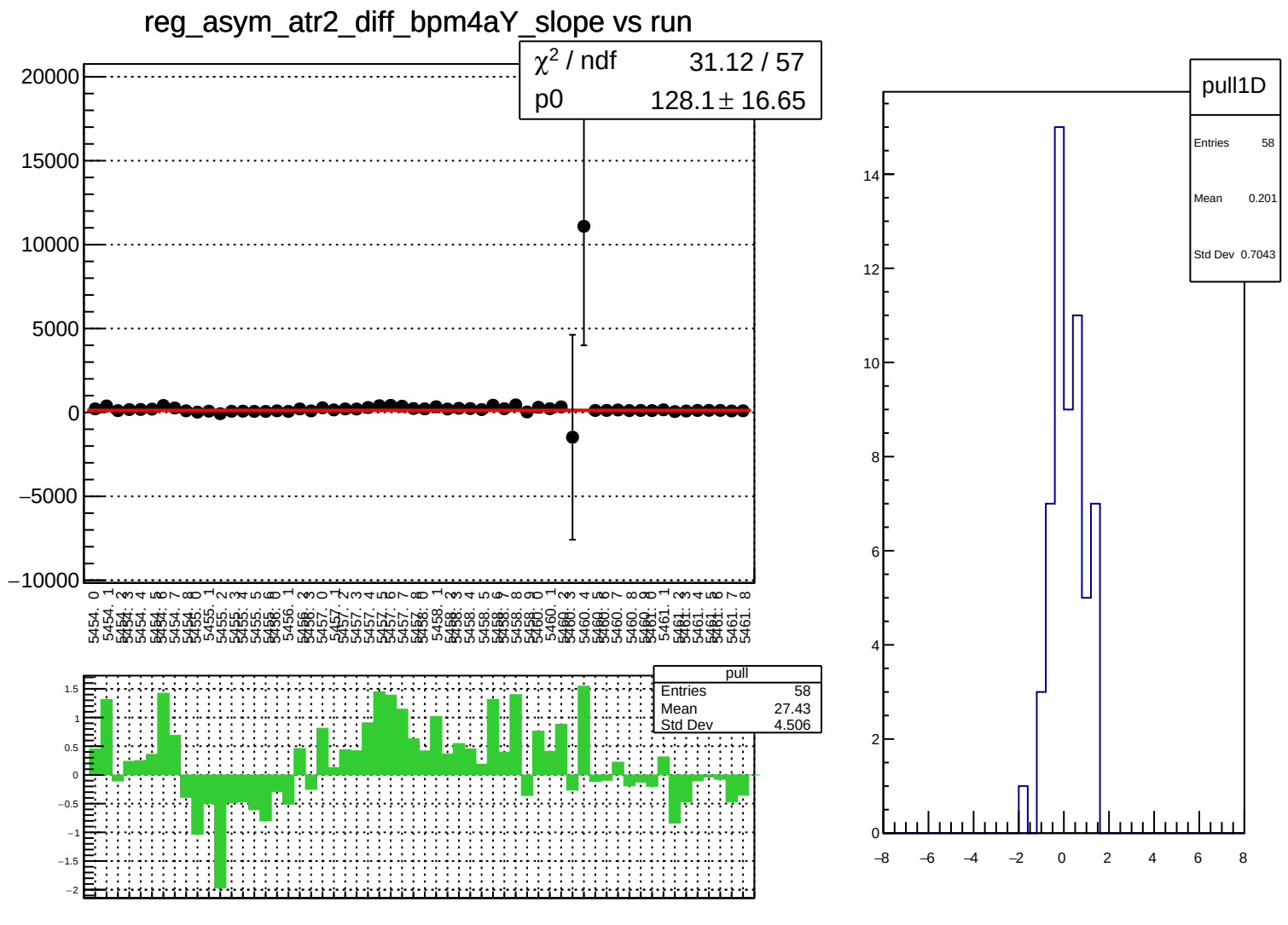

pull1D
Entries 58
Mean 0.2683
Std Dev 1.162

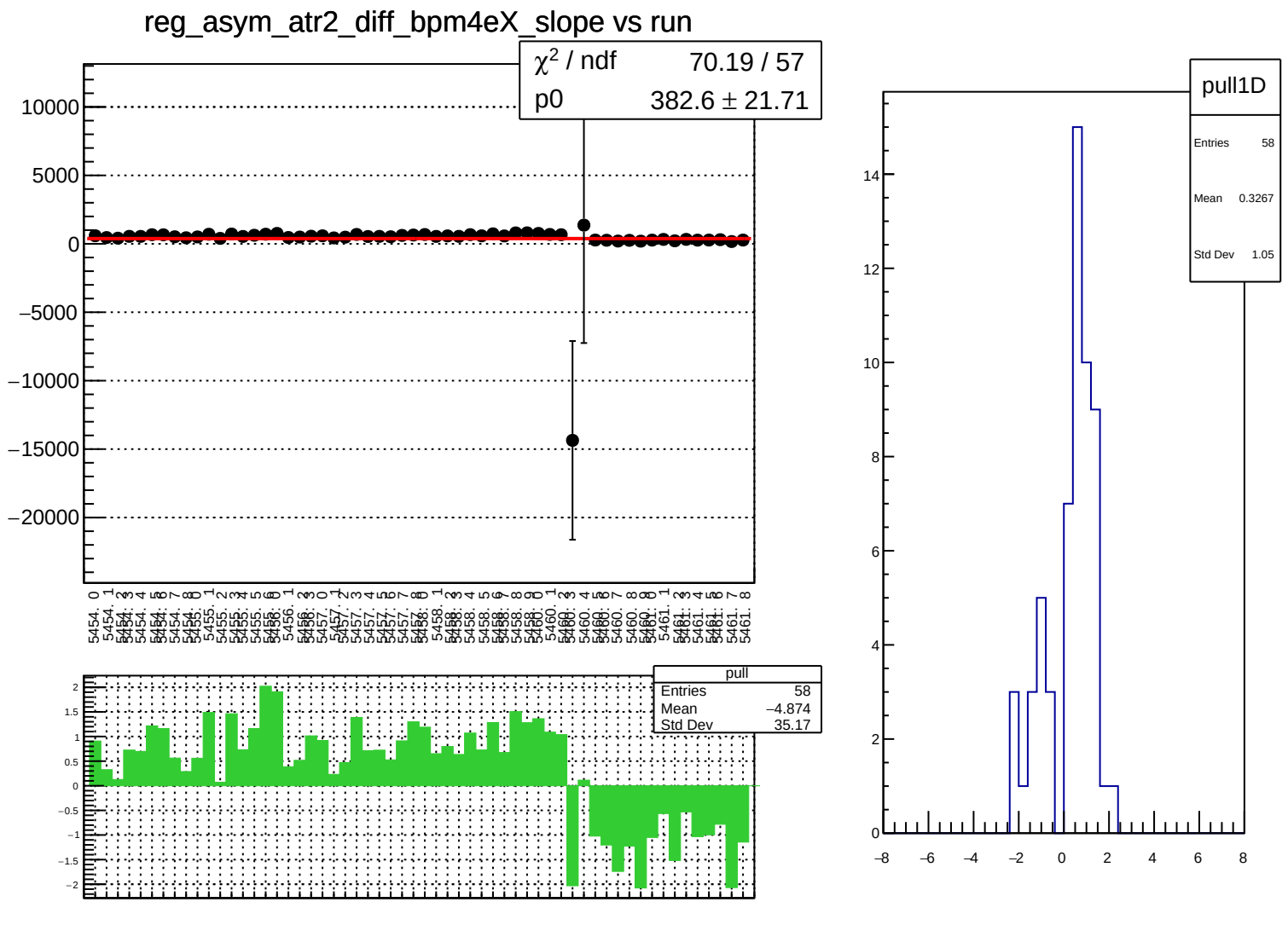

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 39.67 / 57
p0 10.45 ± 11.81
pull
Entries 58
Mean 179.5
Std Dev 156.3

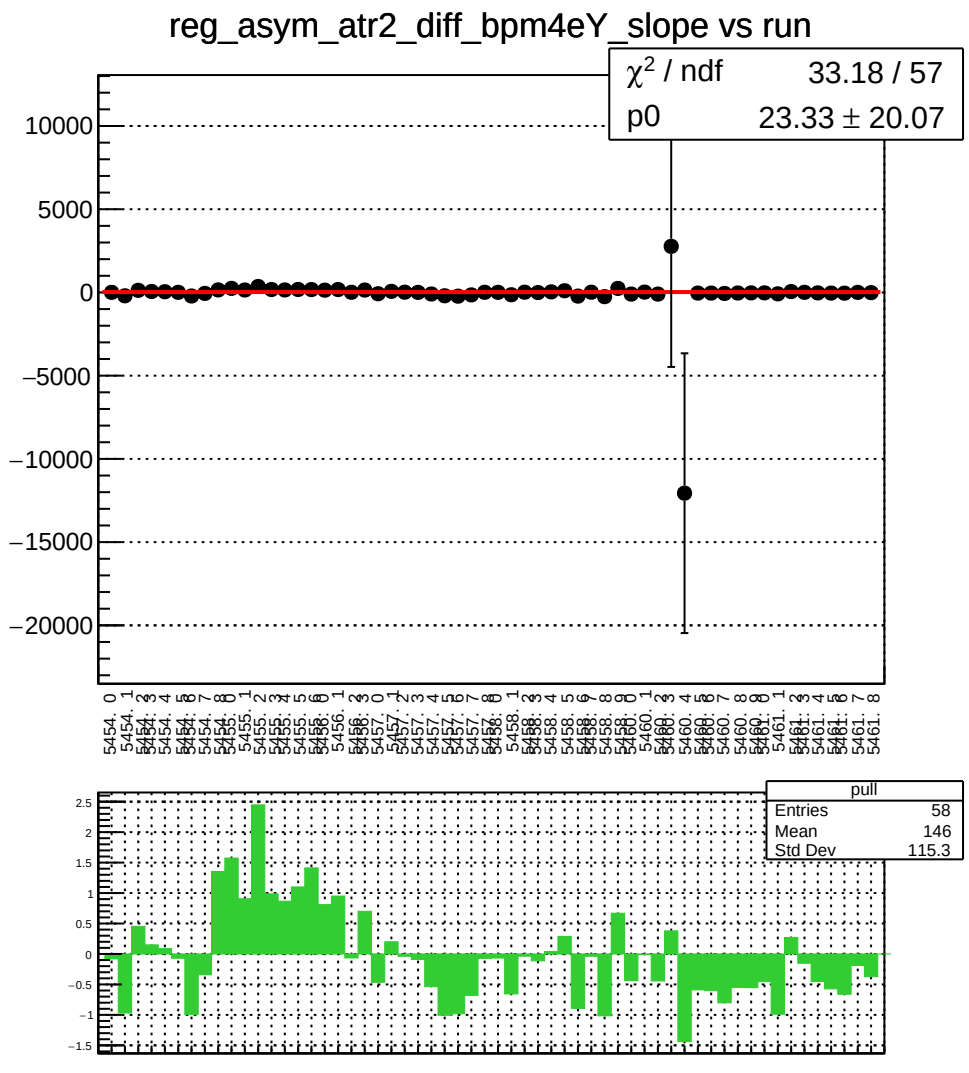

pull1D
Entries 58
Mean −0.01326
Std Dev 0.8269

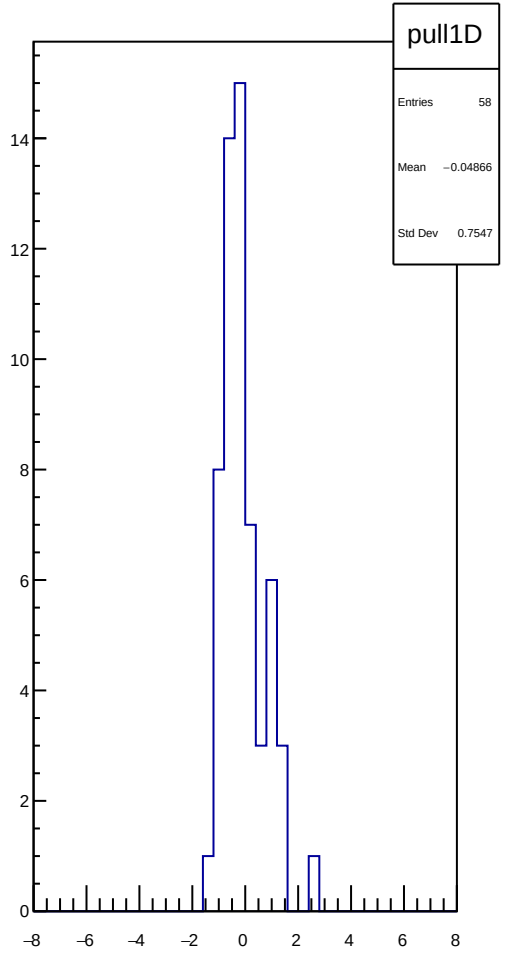

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 6.683e+04 / 57
p0 −41.05 ± 0.2788
pull
Entries 58
Mean 21.69
Std Dev 10.44
pull1D
Entries 58
Mean −3.326
Std Dev 2.657

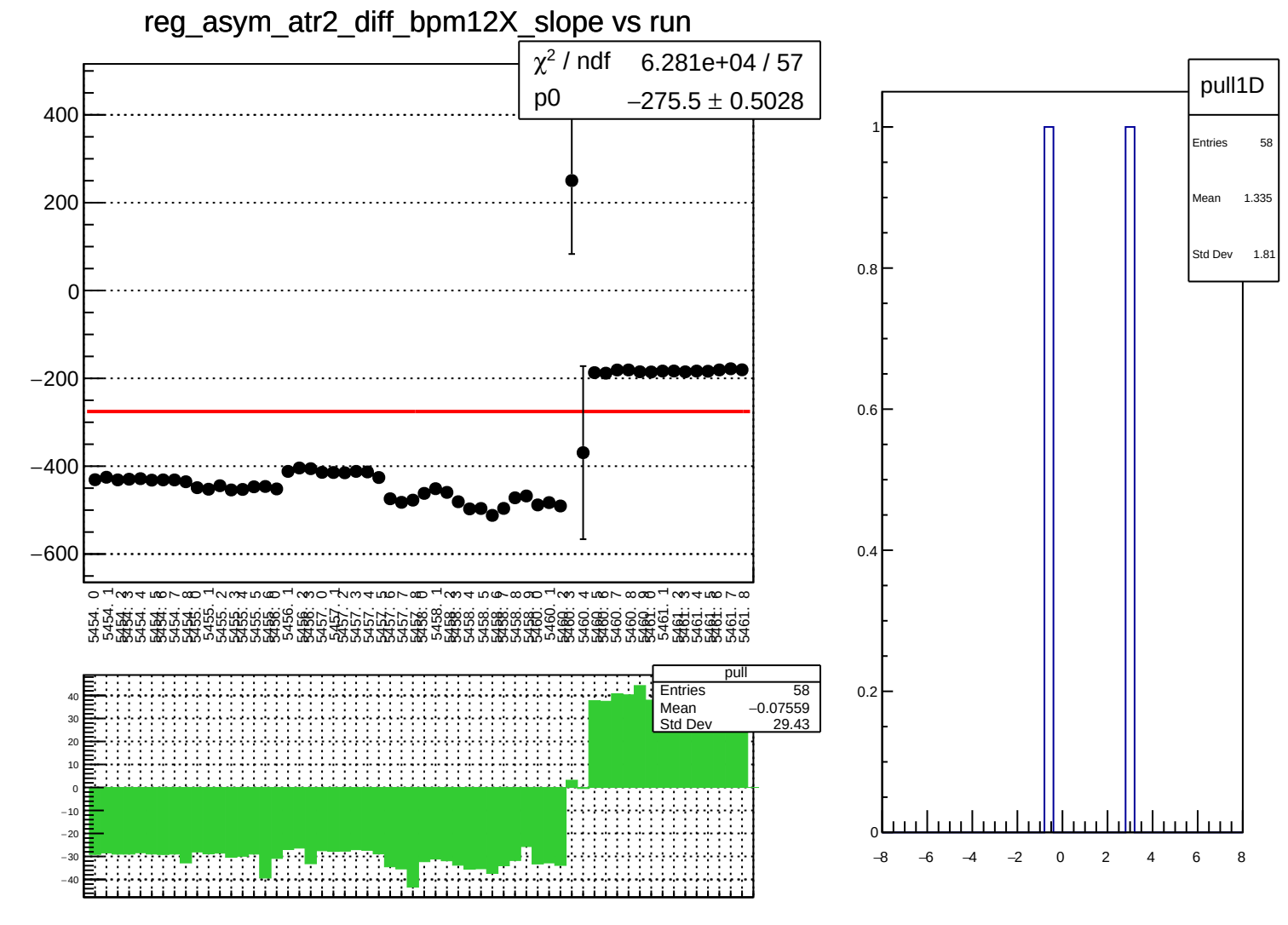

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 53.58 / 57
p0 −225.9 ± 22.47
pull
Entries 58
Mean −9.219
Std Dev 39.05
pull1D
Entries 58
Mean −0.2664
Std Dev 0.9235

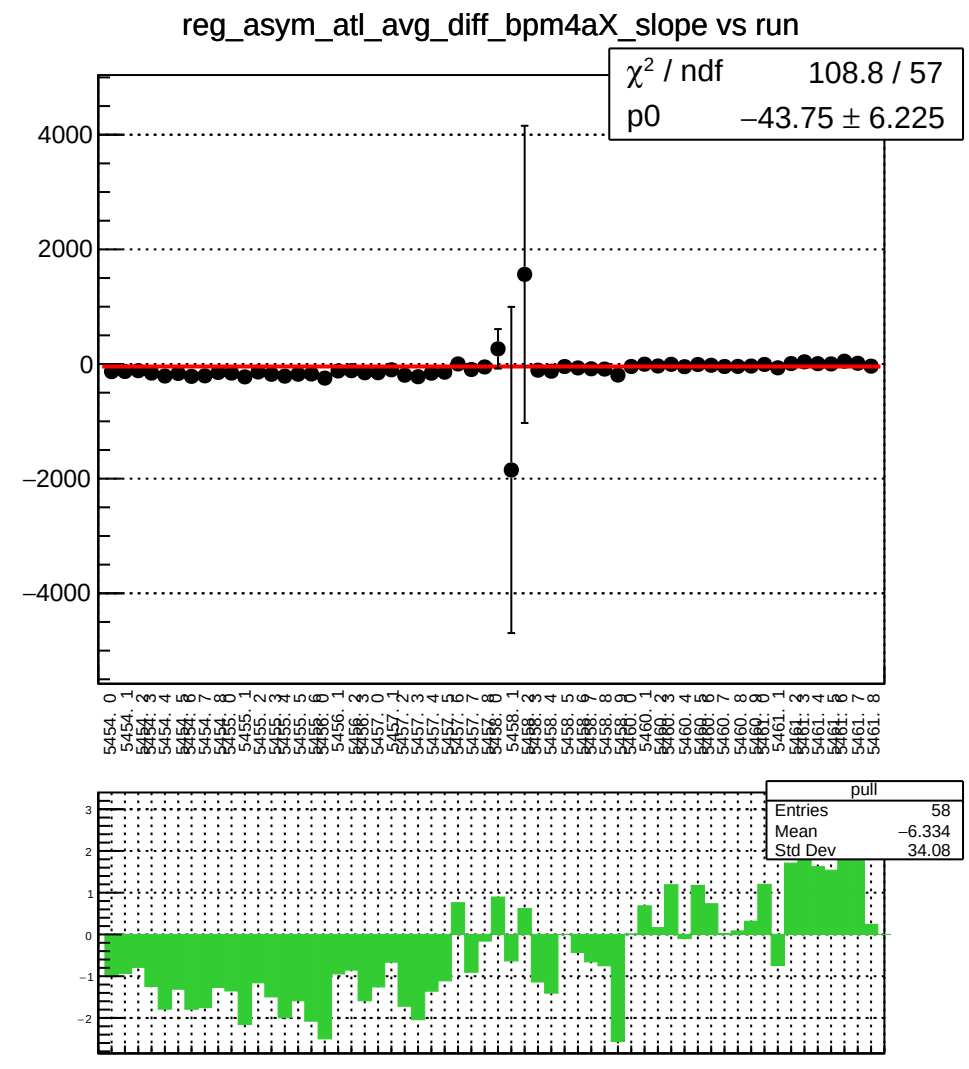

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 31.12 / 57
p0 128.1 ± 16.65
pull
Entries 58
Mean 27.43
Std Dev 4.506
pull1D
Entries 58
Mean 0.201
Std Dev 0.7043

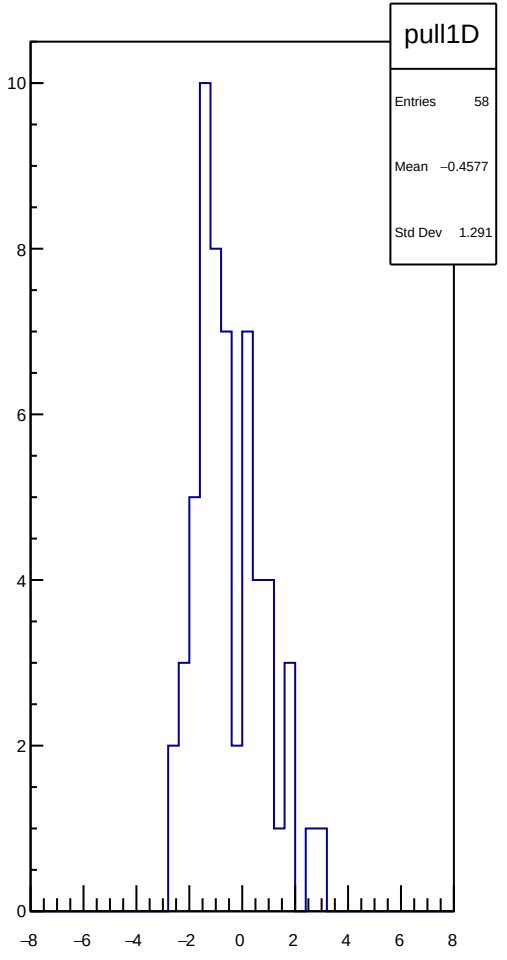

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 70.19 / 57
p0 382.6 ± 21.71
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 58
Mean −4.874
Std Dev 35.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean 0.3267
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

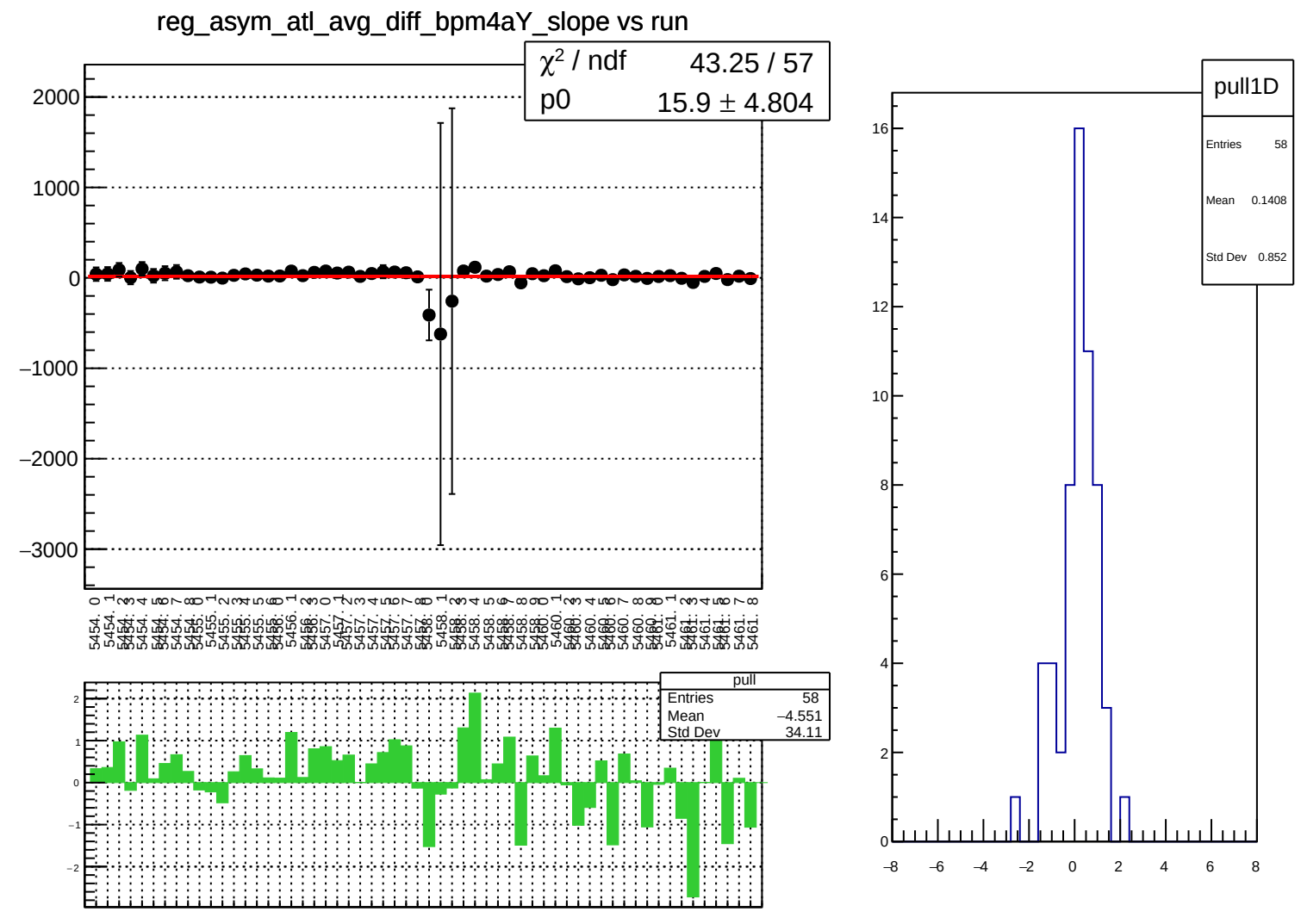

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 33.18 / 57
p0 23.33 ± 20.07
pull
Entries 58
Mean 146
Std Dev 115.3

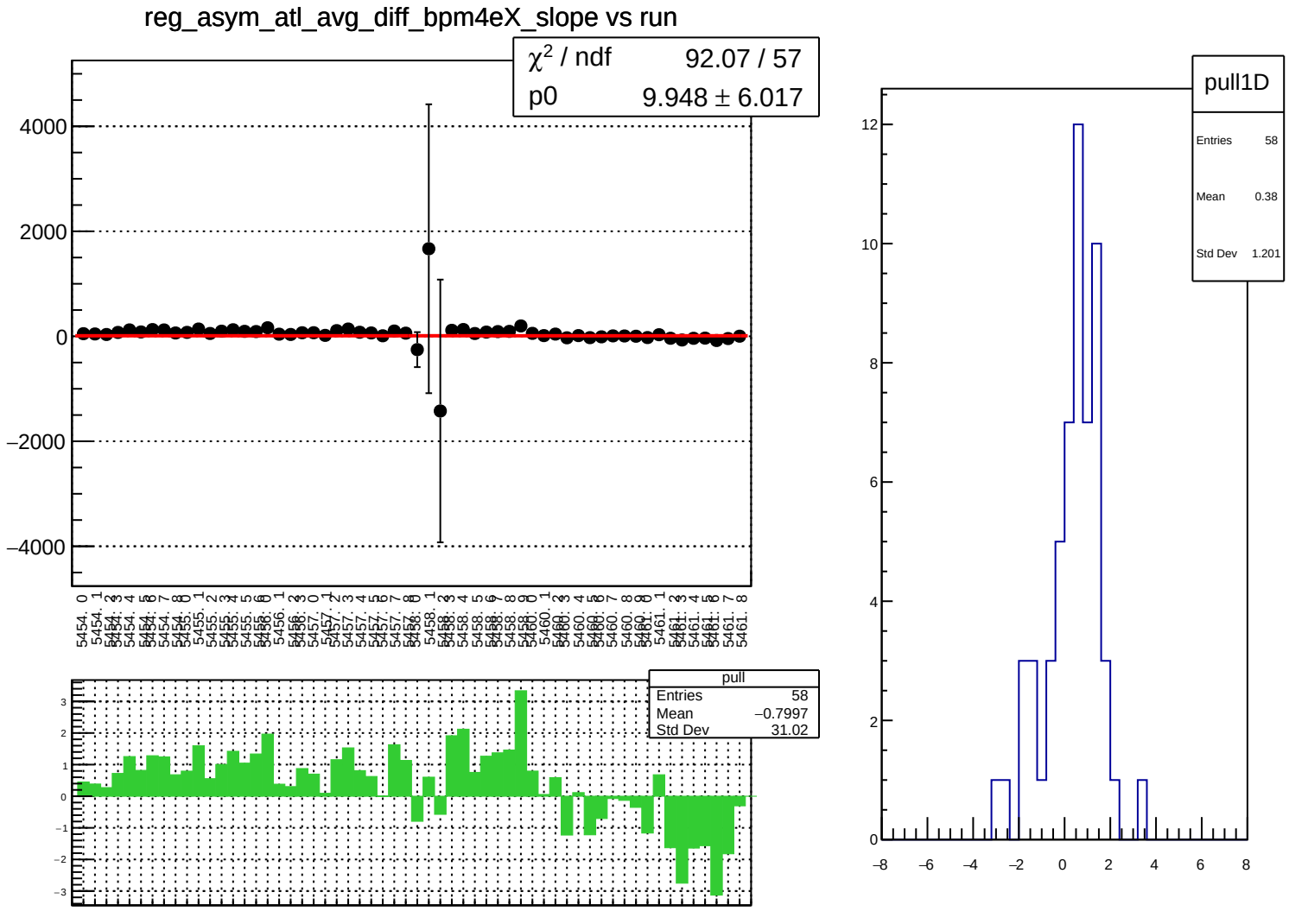

pull1D
Entries 58
Mean −0.04866
Std Dev 0.7547

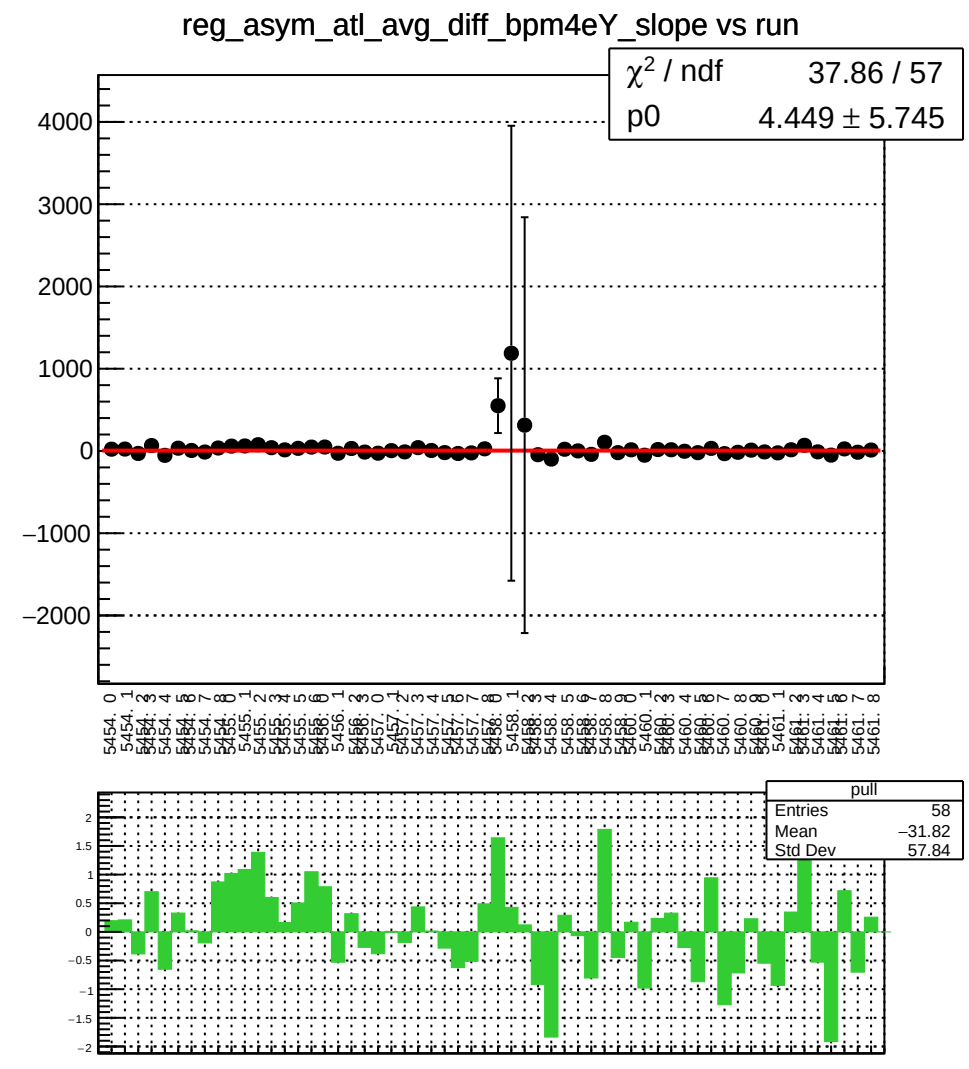

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 6.281e+04 / 57
p0 −275.5 ± 0.5028
400
200
0
−200
−400
−600
pull
Entries 58
Mean −0.07559
Std Dev 29.43
40
30
20
10
0
−10
−20
−30
−40
pull1D
Entries 58
Mean 1.335
Std Dev 1.81
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

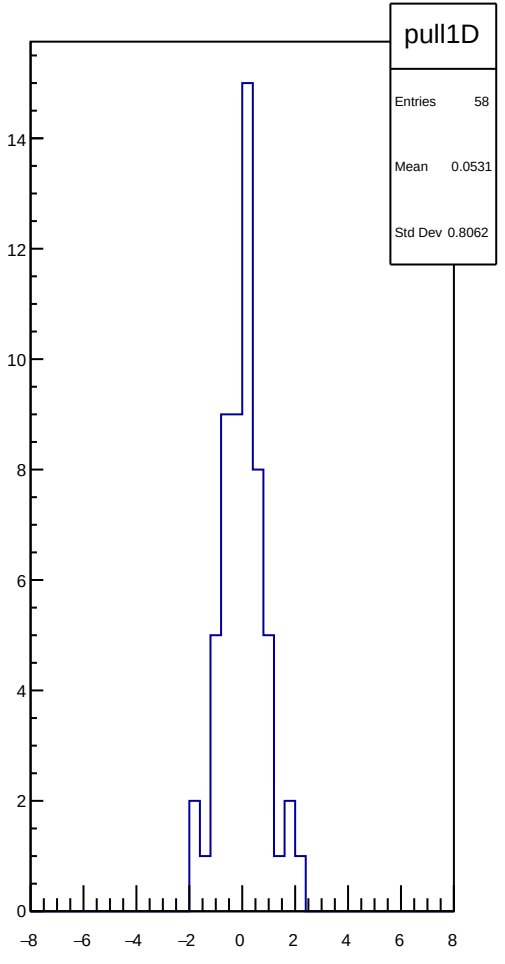

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 108.8 / 57
p0 −43.75 ± 6.225
4000
2000
0
−2000
−4000
pull
Entries 58
Mean −6.334
Std Dev 34.08
3
2
1
0
−1
−2

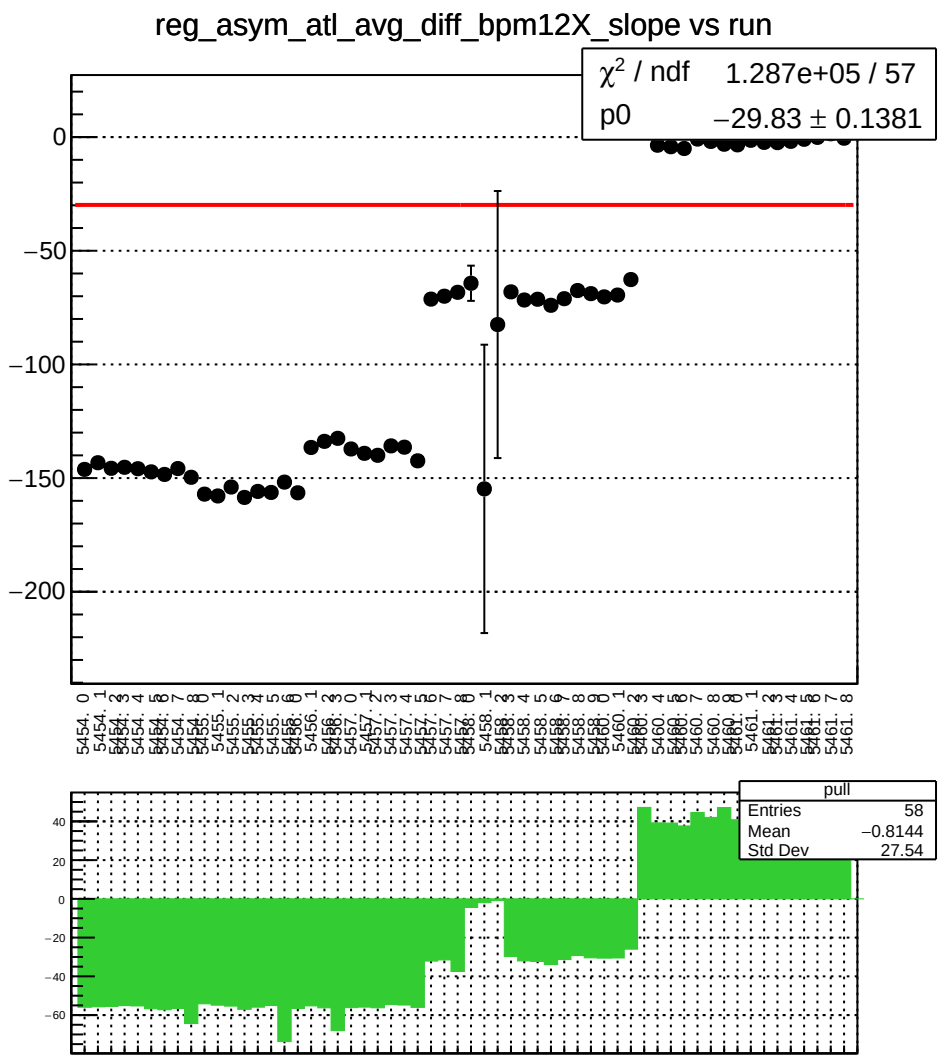

pull1D
Entries 58
Mean −0.4577
Std Dev 1.291
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

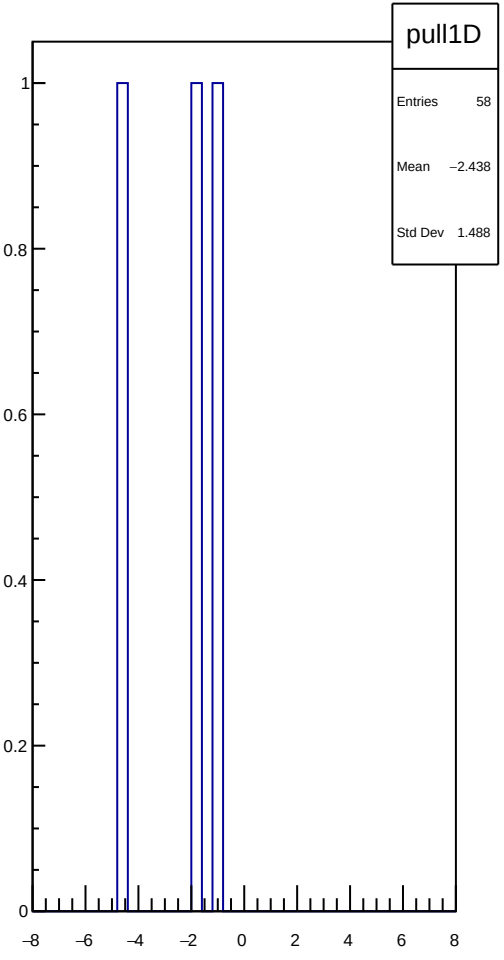

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.25 / 57
p0 15.9 ± 4.804
2000
1000
0
−1000
−2000
−3000
pull
Entries 58
Mean −4.551
Std Dev 34.11
pull1D
Entries 58
Mean 0.1408
Std Dev 0.852

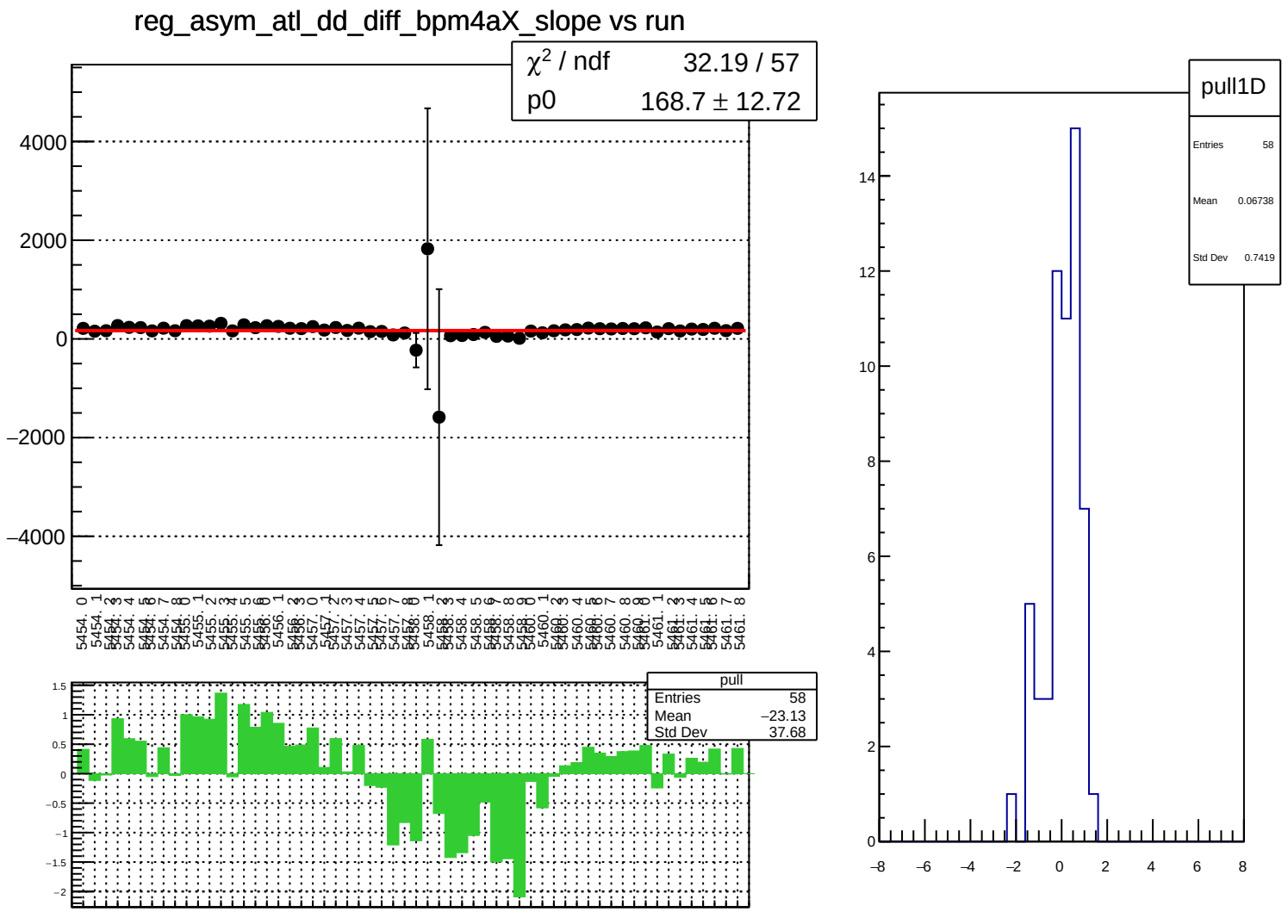

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.07 / 57
p0 9.948 ± 6.017
4000
2000
0
−2000
−4000
pull
Entries 58
Mean −0.7997
Std Dev 31.02
pull1D
Entries 58
Mean 0.38
Std Dev 1.201

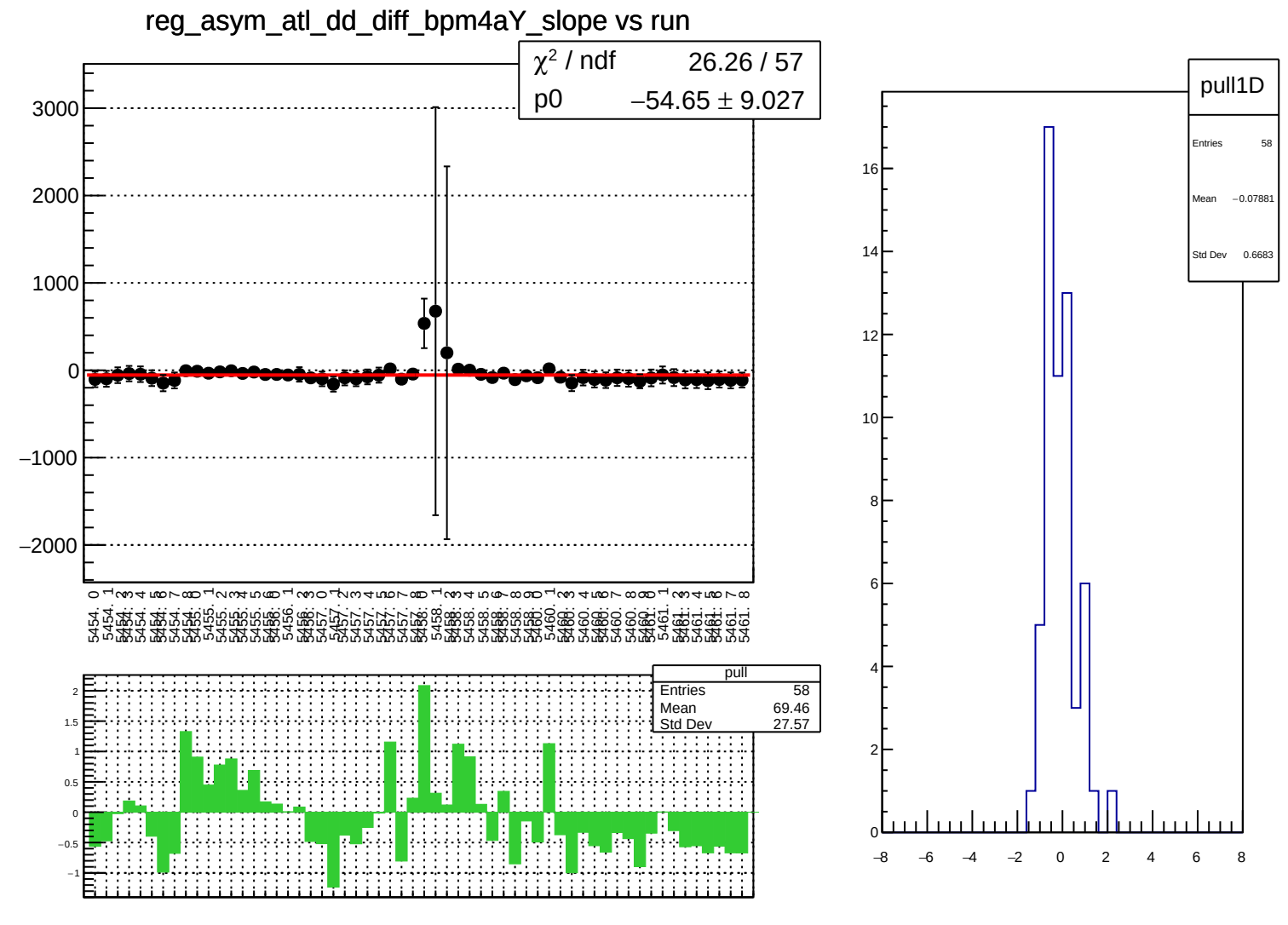

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.86 / 57
p0 4.449 ± 5.745
pull
Entries 58
Mean −31.82
Std Dev 57.84

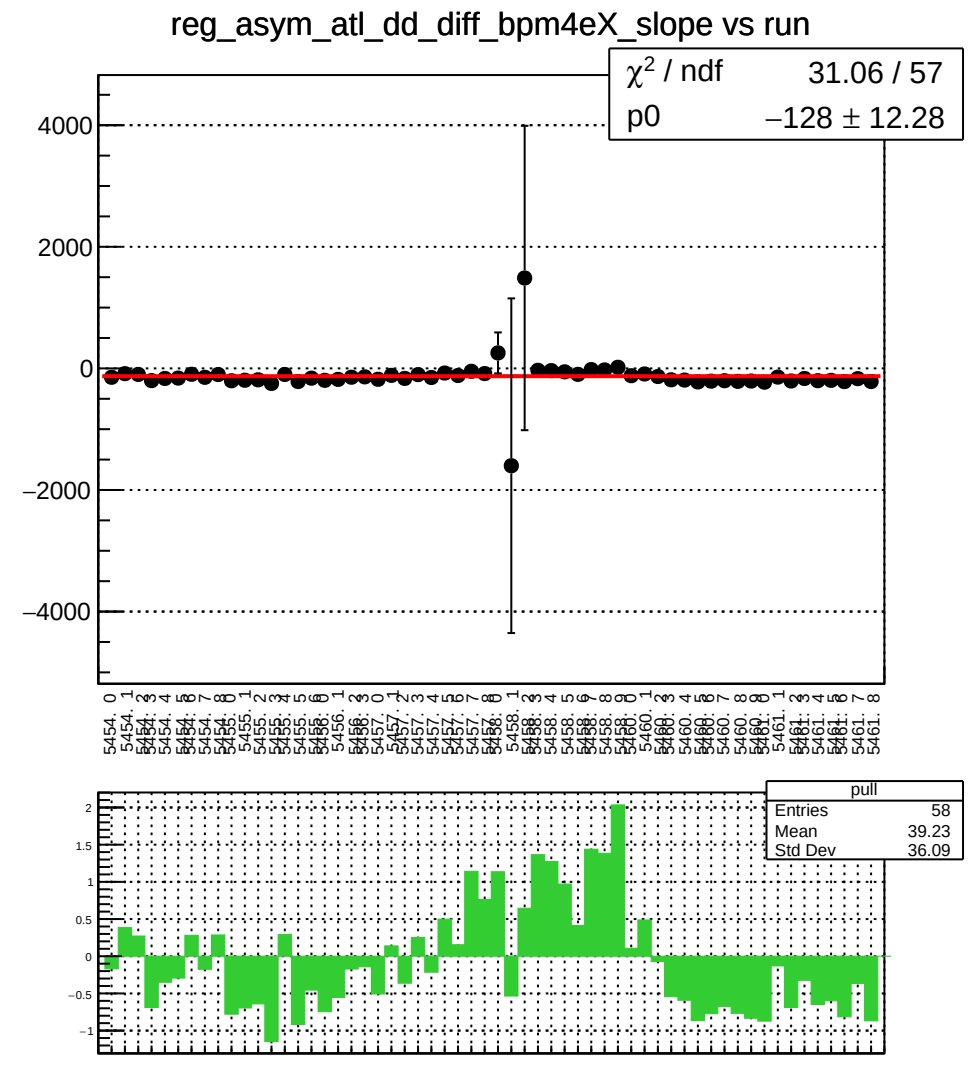

pull1D
Entries 58
Mean 0.0531
Std Dev 0.8062

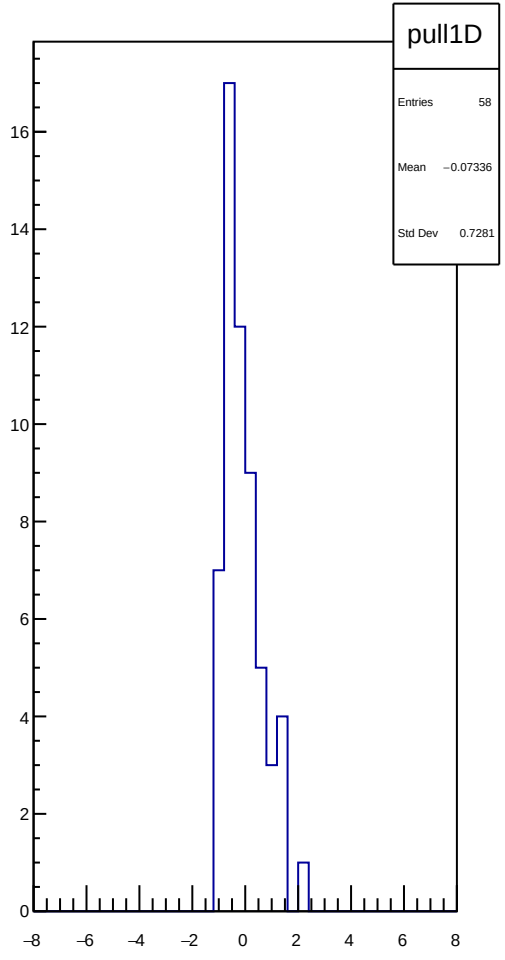

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 1.287e+05 / 57
p0 −29.83 ± 0.1381
pull
Entries 58
Mean −0.8144
Std Dev 27.54

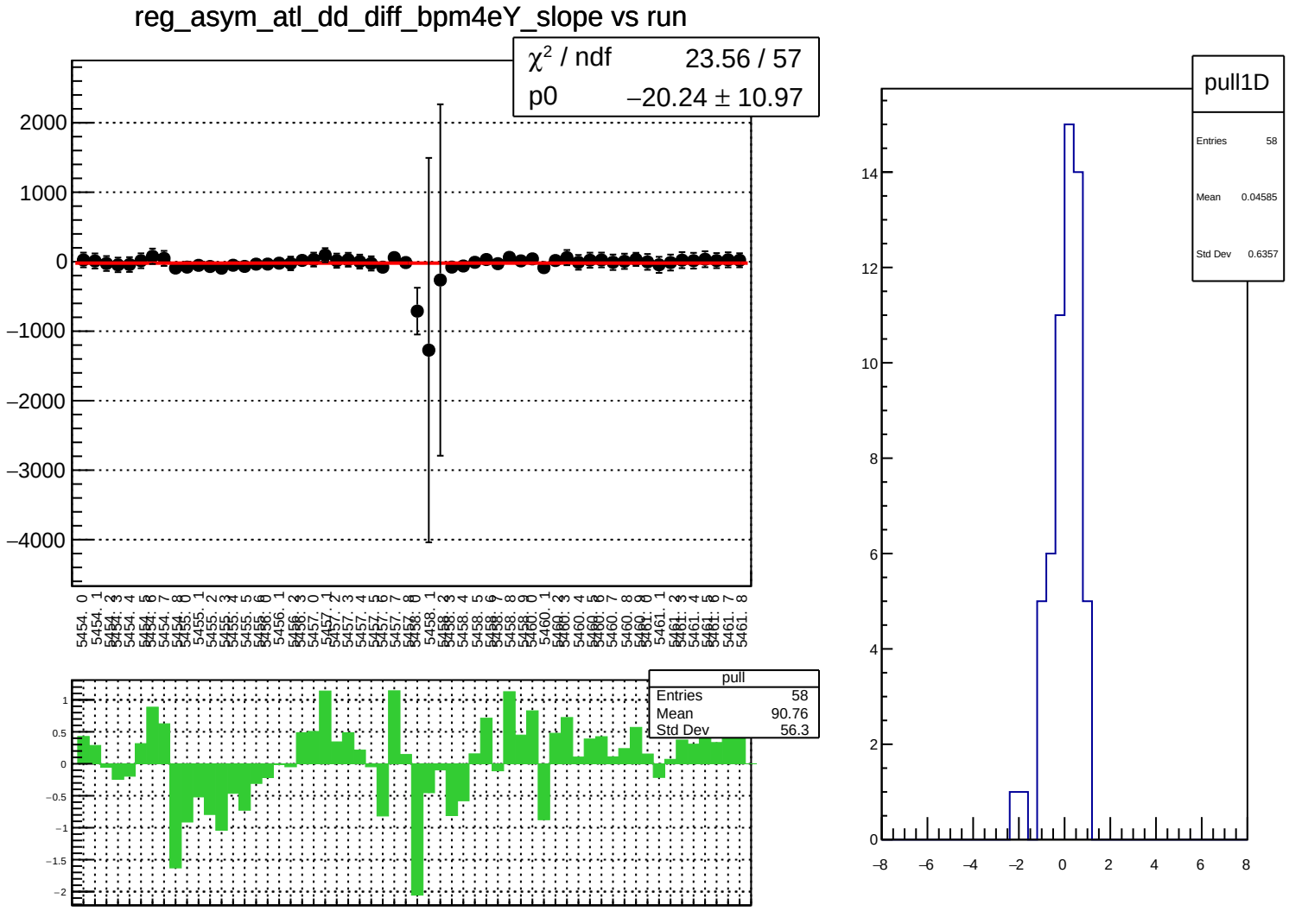

pull1D
Entries 58
Mean −2.438
Std Dev 1.488

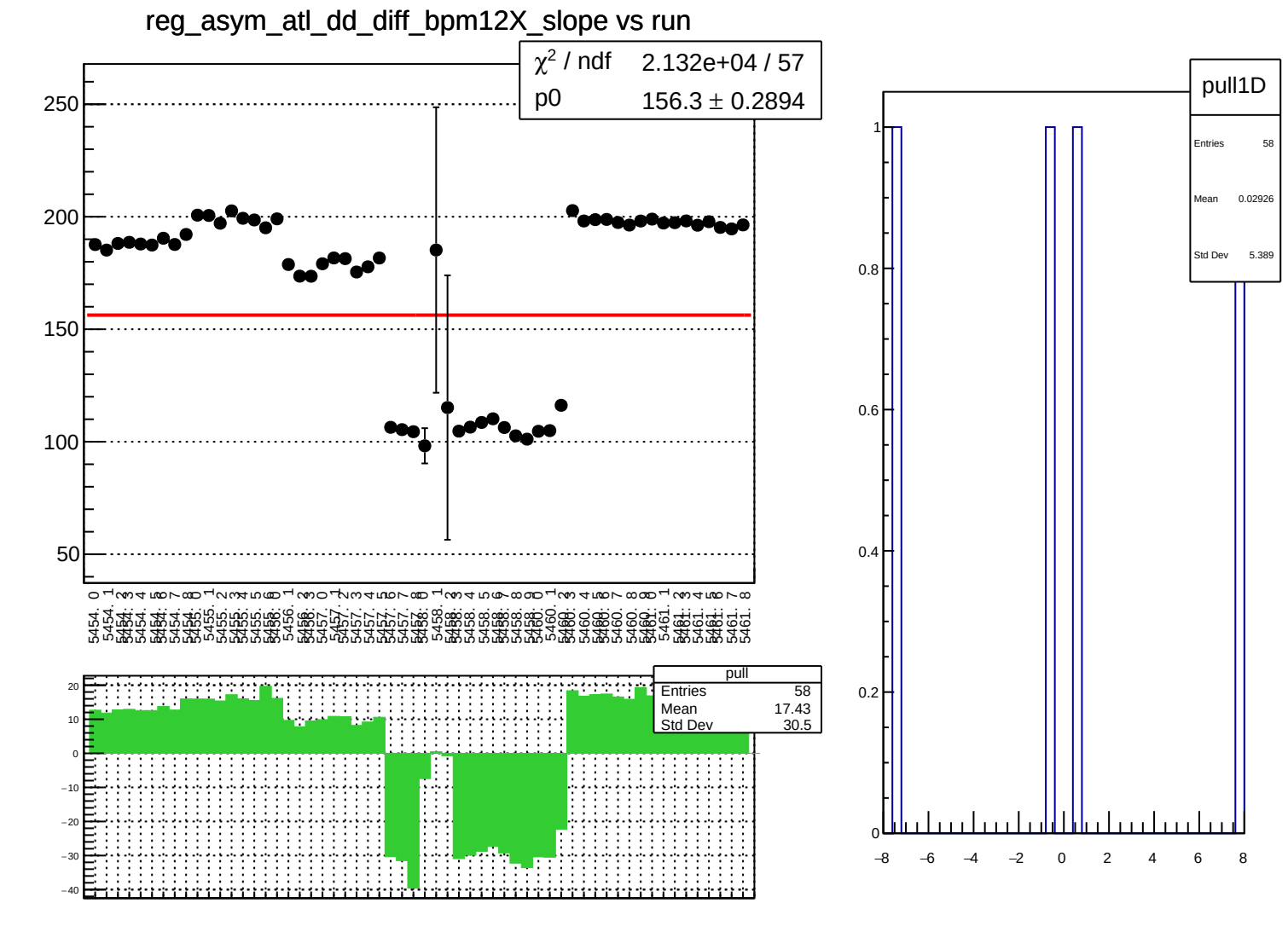

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.19 / 57
p0 168.7 ± 12.72
4000
2000
0
−2000
−4000
pull
Entries 58
Mean −23.13
Std Dev 37.68
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean 0.06738
Std Dev 0.7419
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

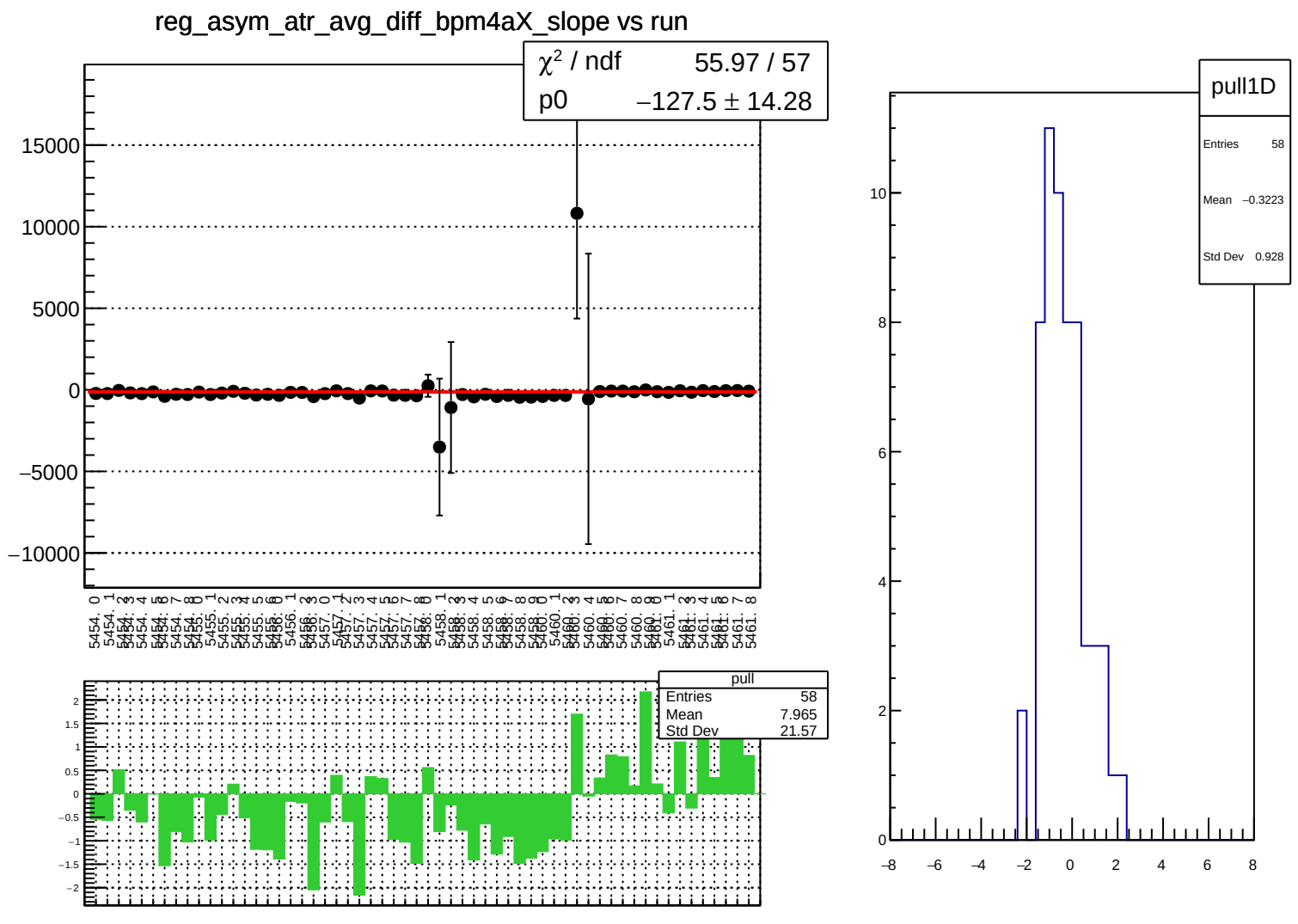

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.26 / 57
p0 −54.65 ± 9.027
pull
Entries 58
Mean 69.46
Std Dev 27.57
pull1D
Entries 58
Mean −0.07881
Std Dev 0.6683

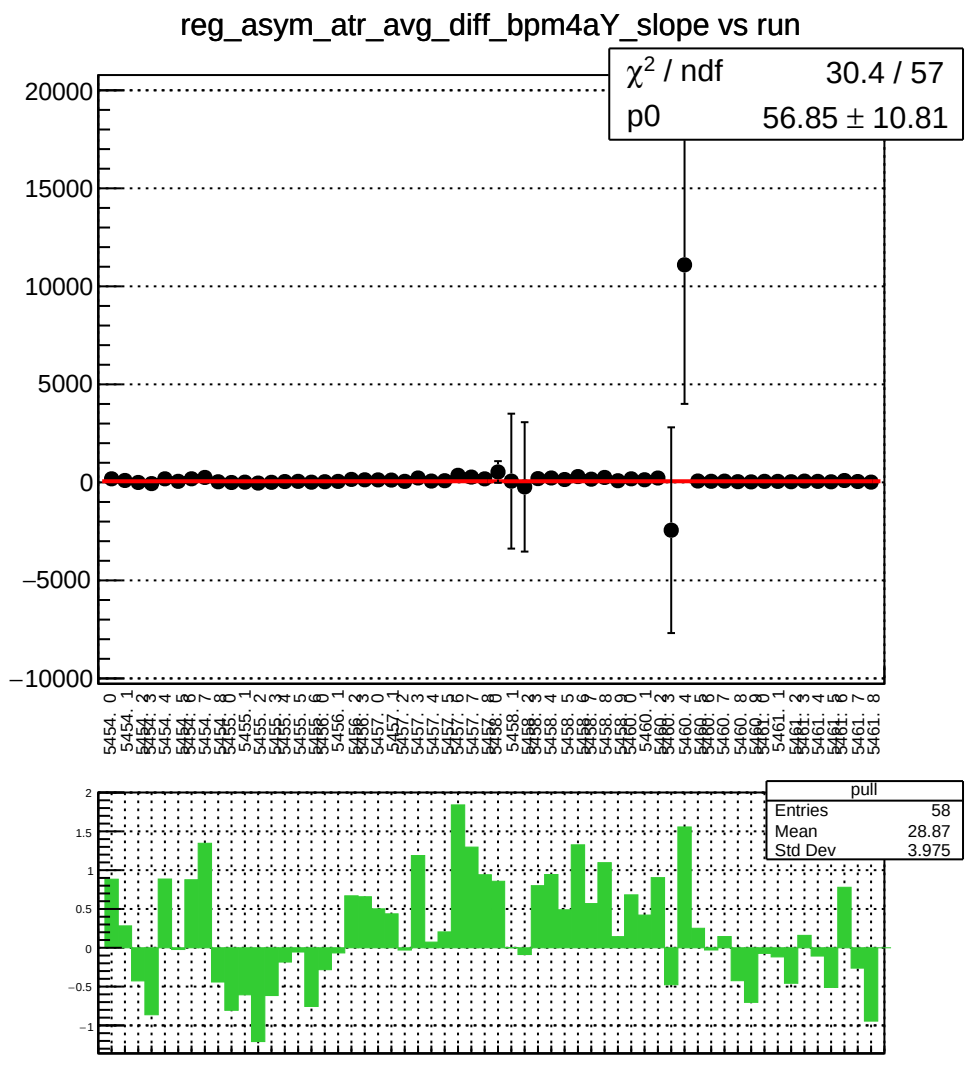

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.06 / 57
p0 −128 ± 12.28
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 39.23
Std Dev 36.09
2
1.5
1
0.5
0
−0.5
−1

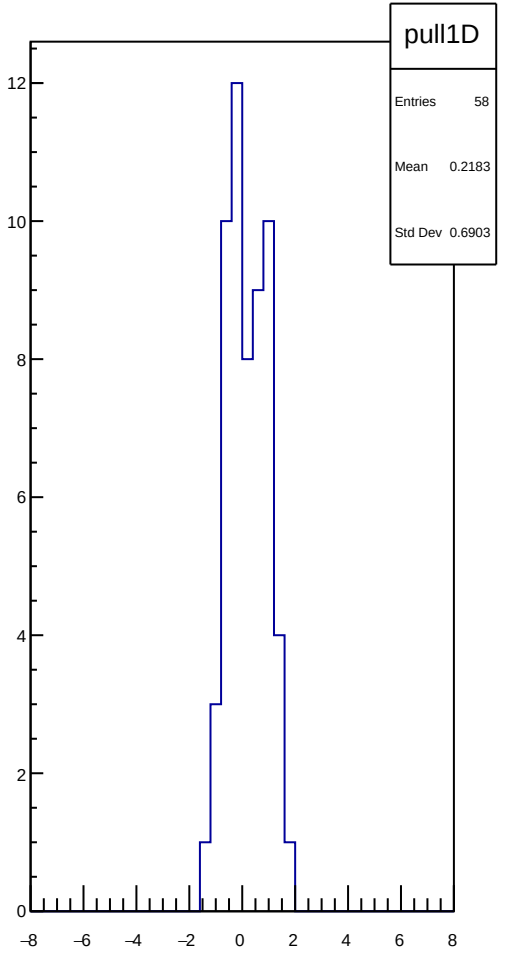

pull1D
Entries 58
Mean −0.07336
Std Dev 0.7281
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

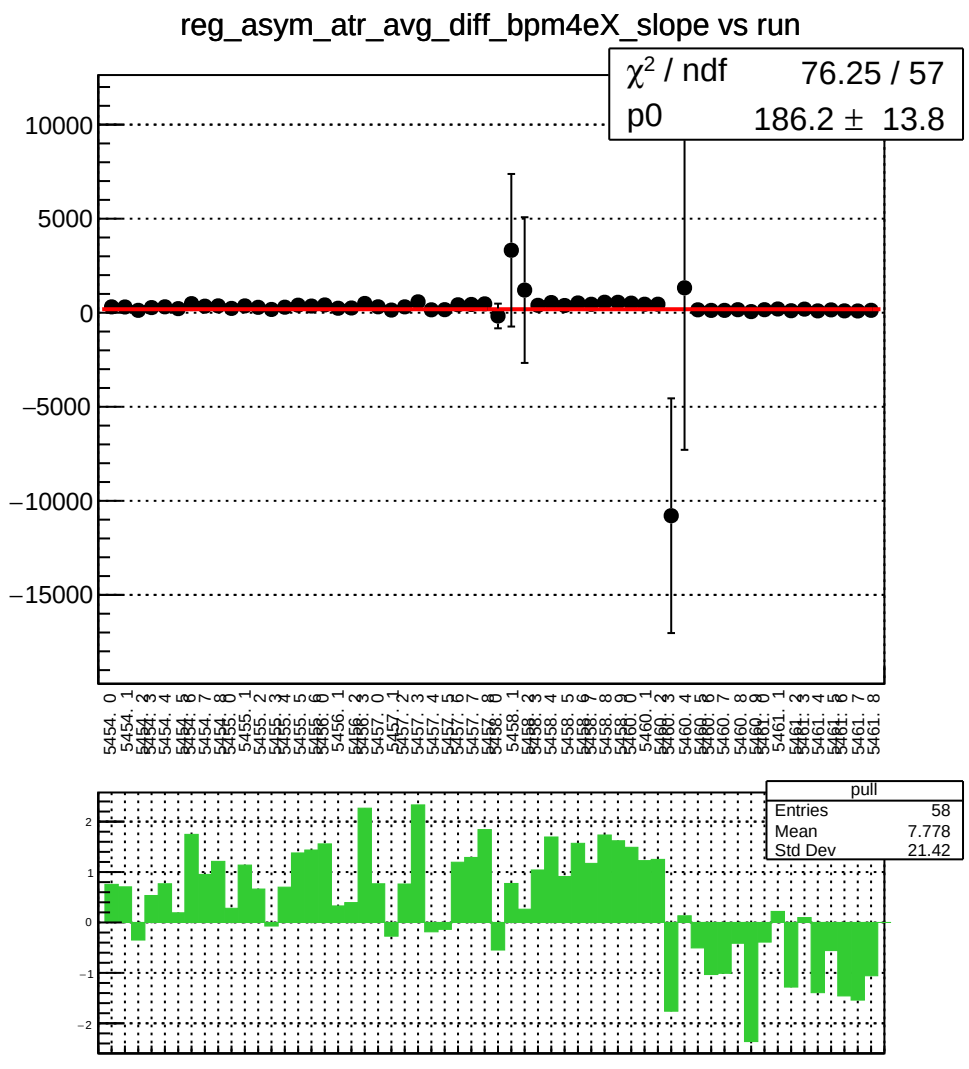

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.56 / 57
p0 −20.24 ± 10.97
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 58
Mean 90.76
Std Dev 56.3
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 58
Mean 0.04585
Std Dev 0.6357
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

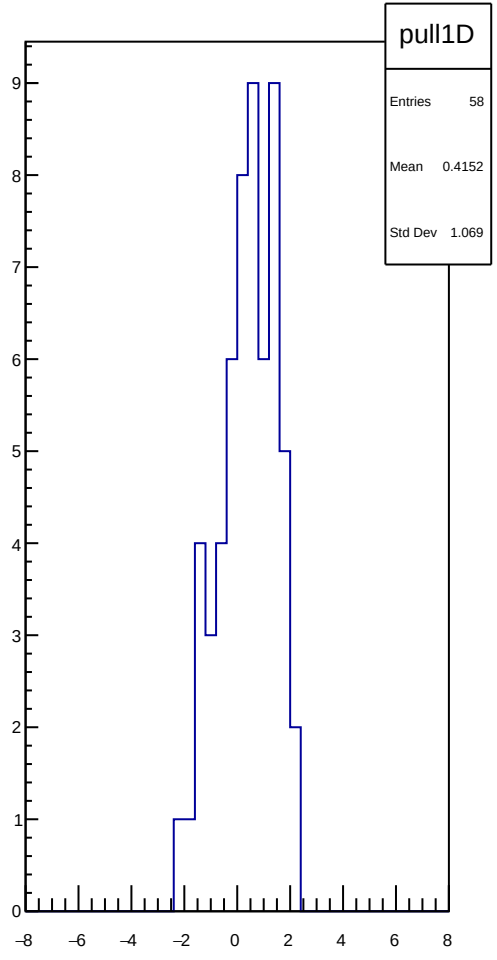

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 2.132e+04 / 57
p0 156.3 ± 0.2894
250
200
150
100
50
pull
Entries 58
Mean 17.43
Std Dev 30.5
20
10
0
−10
−20
−30
−40
pull1D
Entries 58
Mean 0.02926
Std Dev 5.389
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

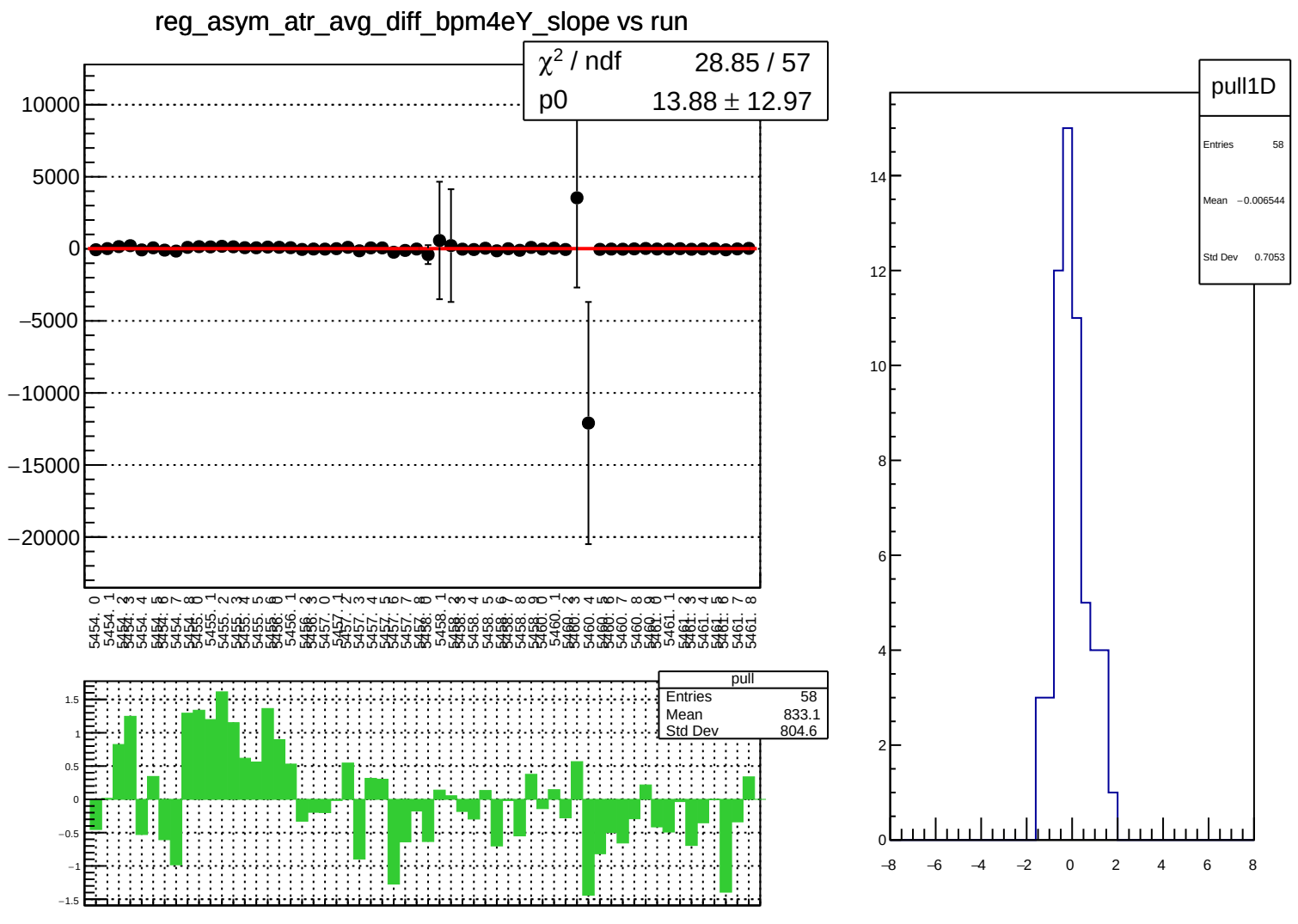

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 55.97 / 57
p0 −127.5 ± 14.28
15000
10000
5000
0
−5000
−10000
pull
Entries 58
Mean 7.965
Std Dev 21.57
pull1D
Entries 58
Mean −0.3223
Std Dev 0.928

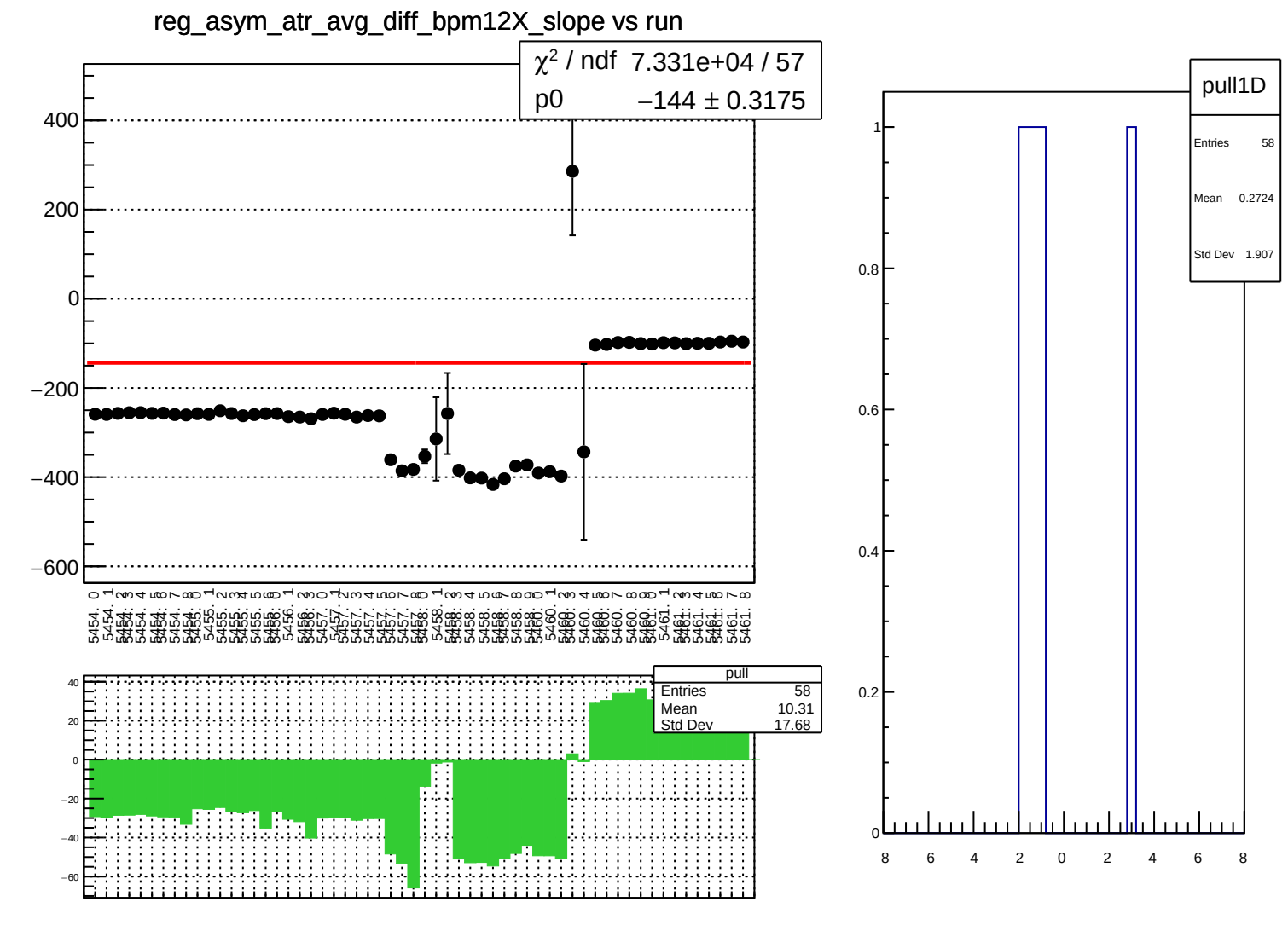

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.4 / 57
p0 56.85 ± 10.81
pull
Entries 58
Mean 28.87
Std Dev 3.975

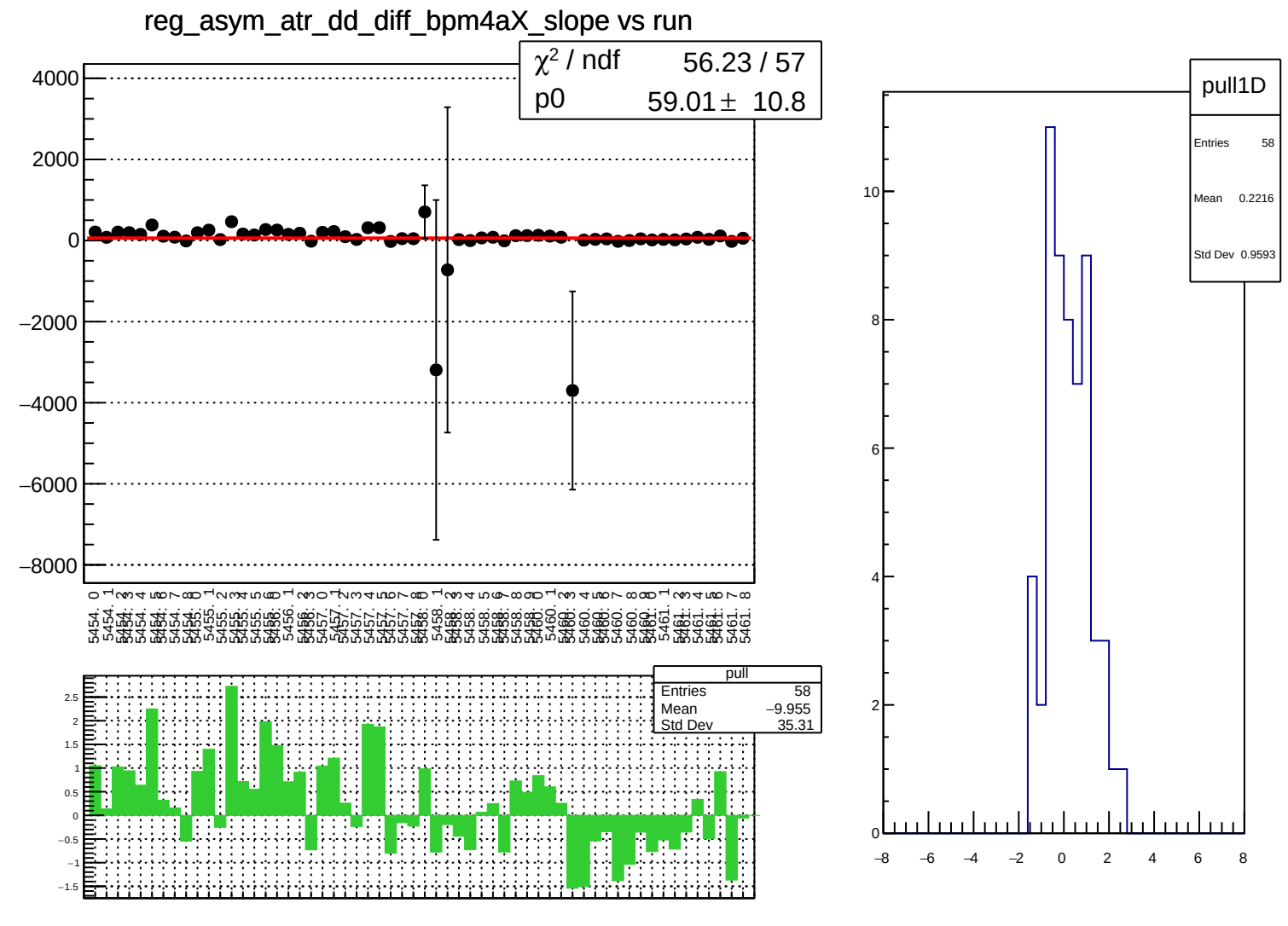

pull1D
Entries 58
Mean 0.2183
Std Dev 0.6903

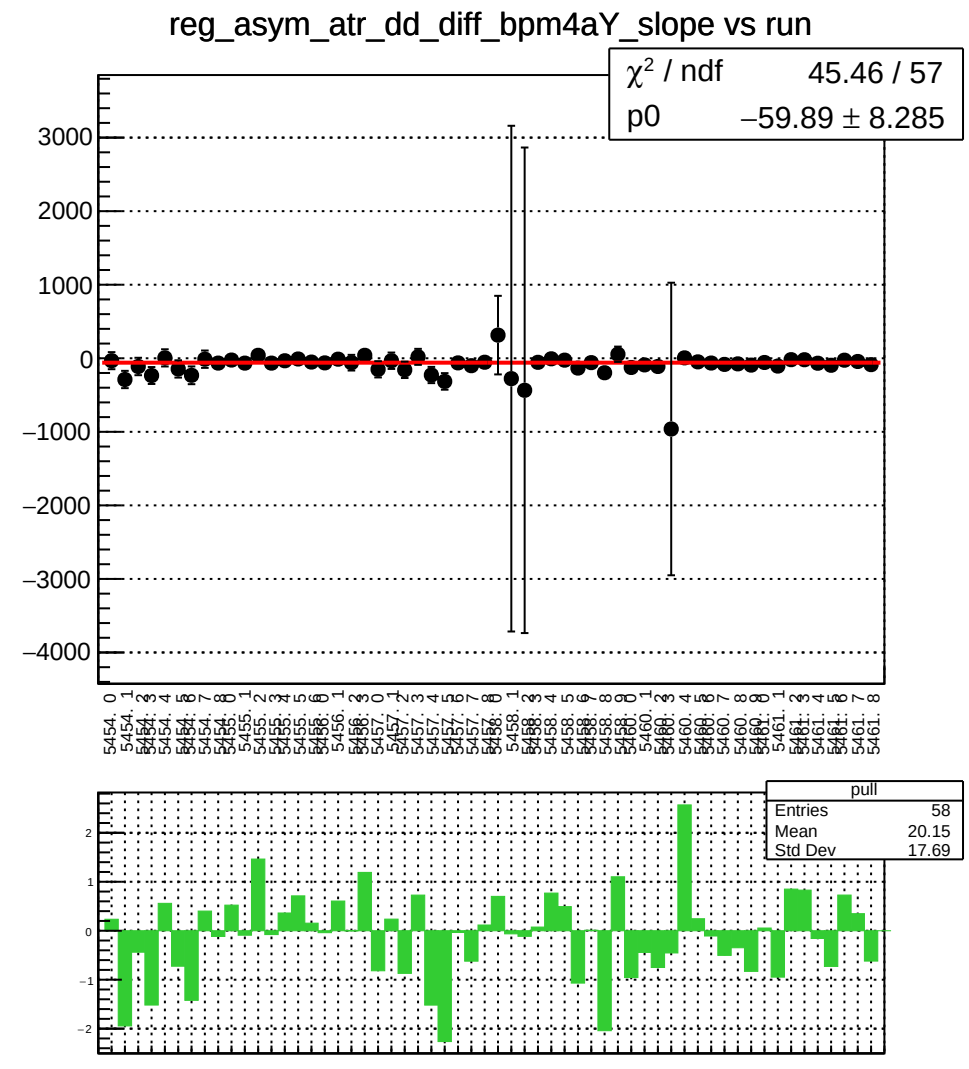

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.25 / 57
p0 186.2 ± 13.8
pull
Entries 58
Mean 7.778
Std Dev 21.42

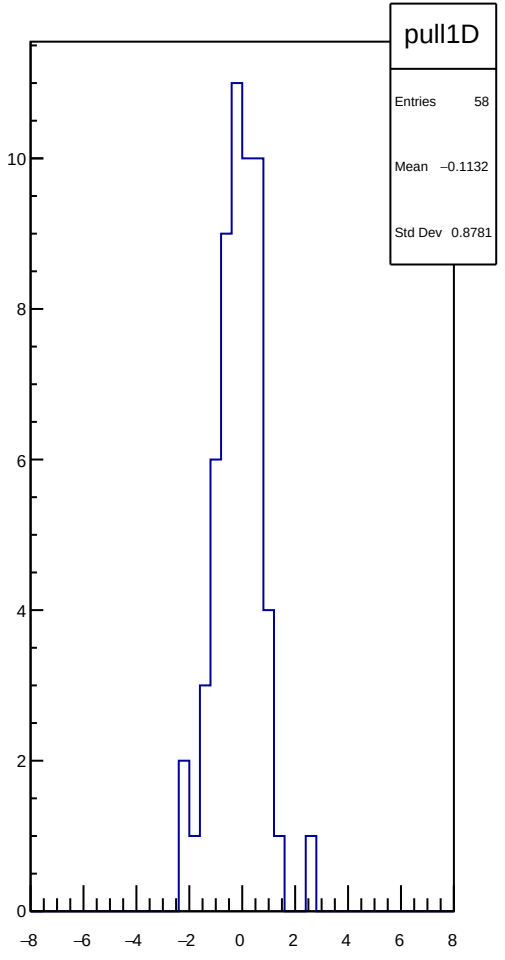

pull1D
Entries 58
Mean 0.4152
Std Dev 1.069

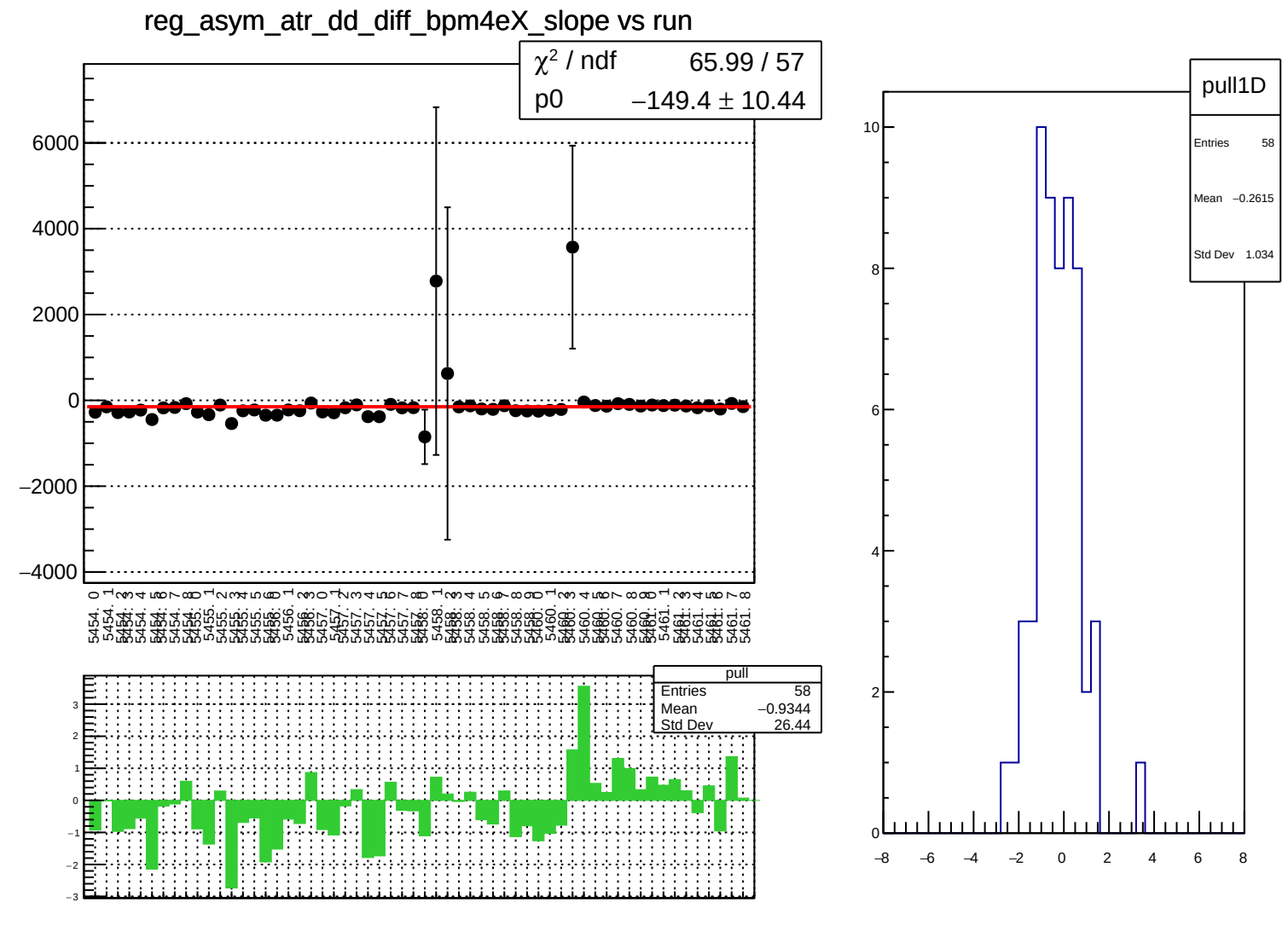

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.85 / 57
p0 13.88 ± 12.97
pull
Entries 58
Mean 833.1
Std Dev 804.6
pull1D
Entries 58
Mean −0.006544
Std Dev 0.7053

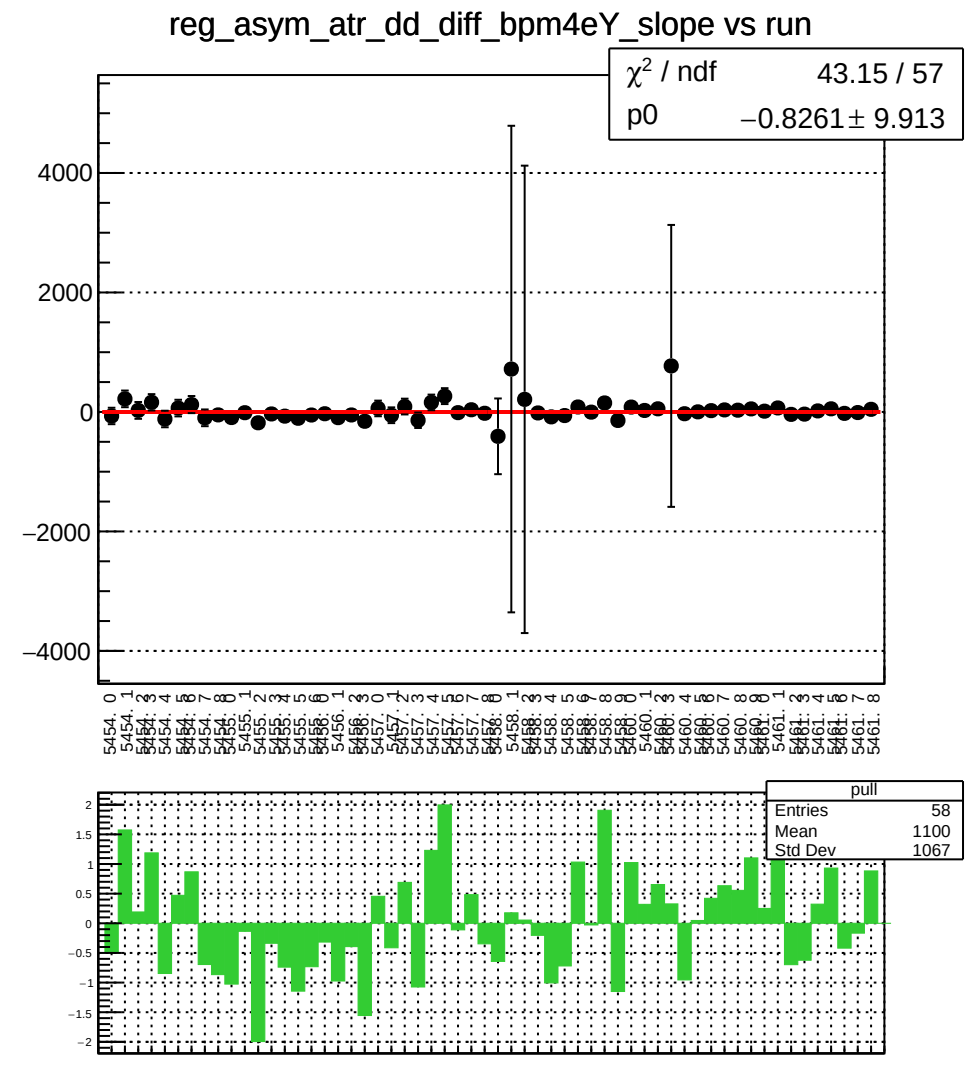

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 7.331e+04 / 57
p0 −144 ± 0.3175
pull
Entries 58
Mean 10.31
Std Dev 17.68
pull1D
Entries 58
Mean −0.2724
Std Dev 1.907

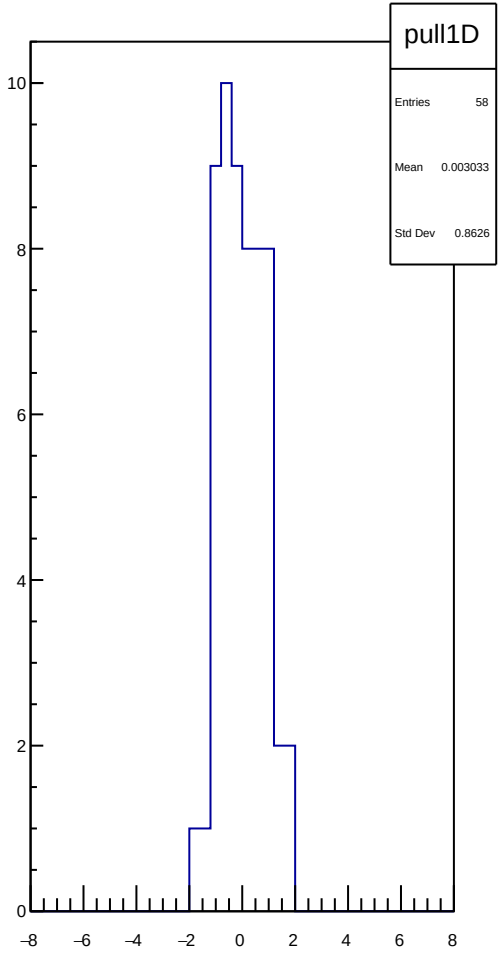

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 56.23 / 57
p0 59.01 ± 10.8
pull
Entries 58
Mean −9.955
Std Dev 35.31
pull1D
Entries 58
Mean 0.2216
Std Dev 0.9593

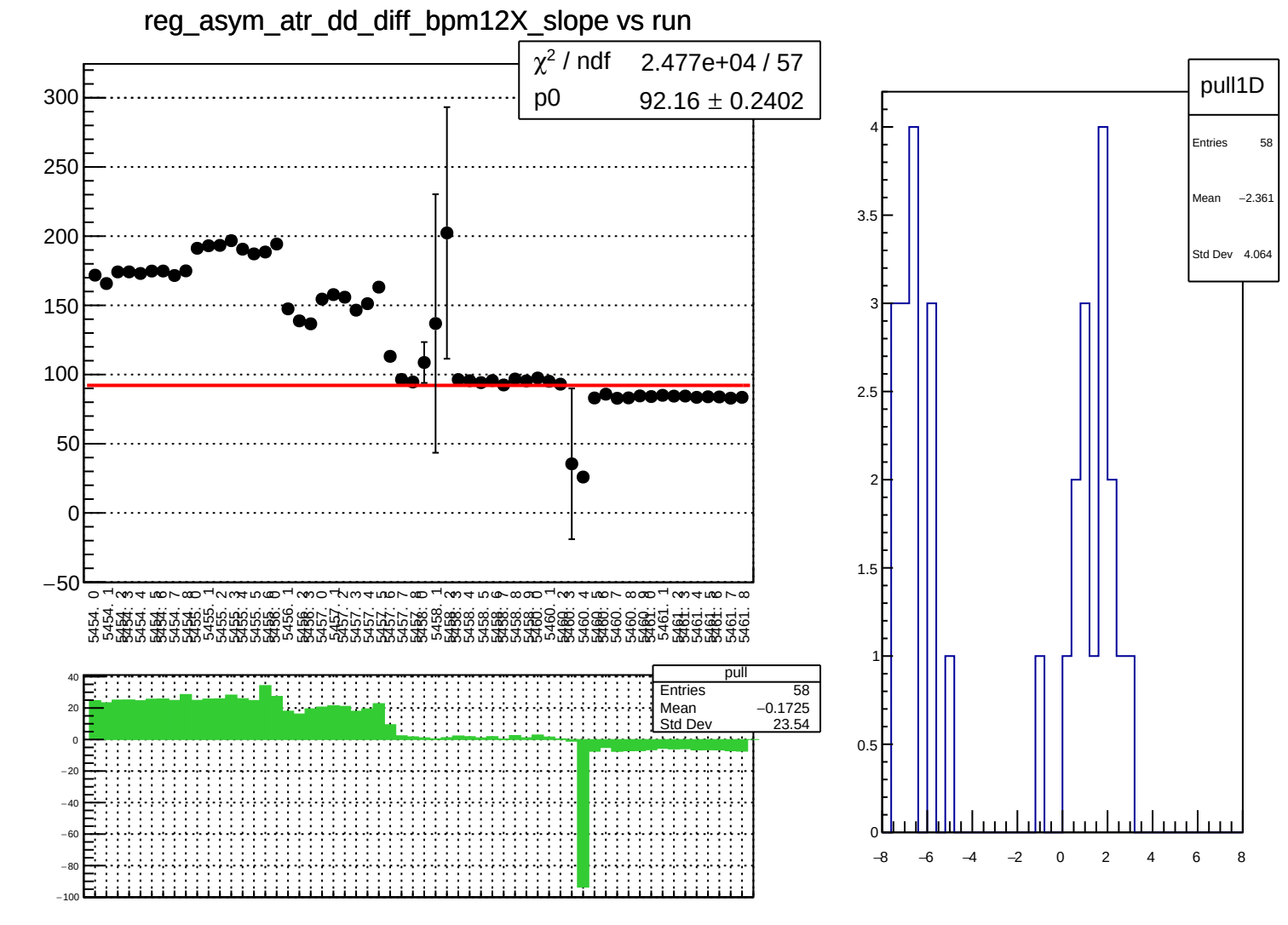

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.46 / 57
p0 −59.89 ± 8.285
pull
Entries 58
Mean 20.15
Std Dev 17.69

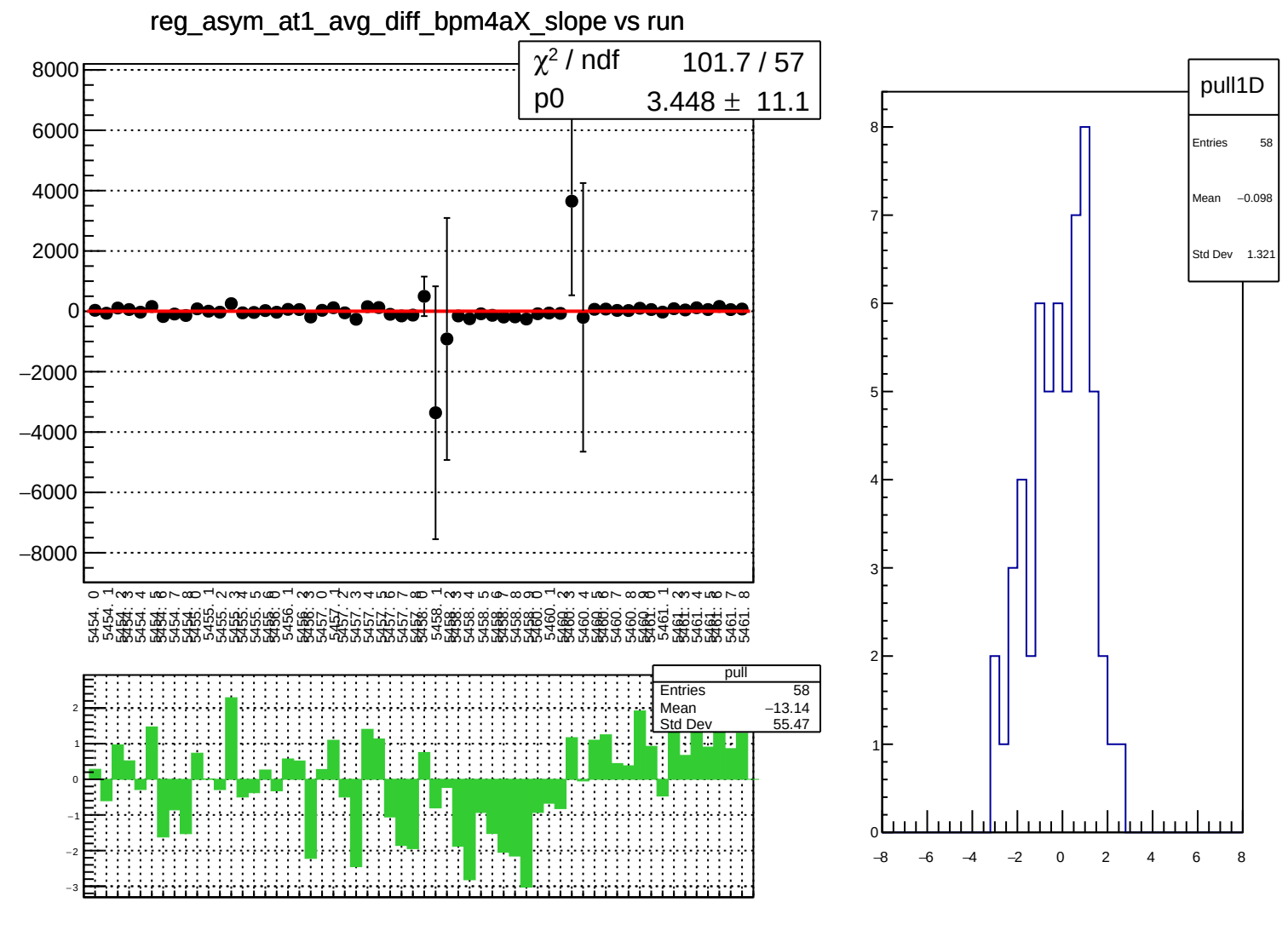

pull1D
Entries 58
Mean −0.1132
Std Dev 0.8781

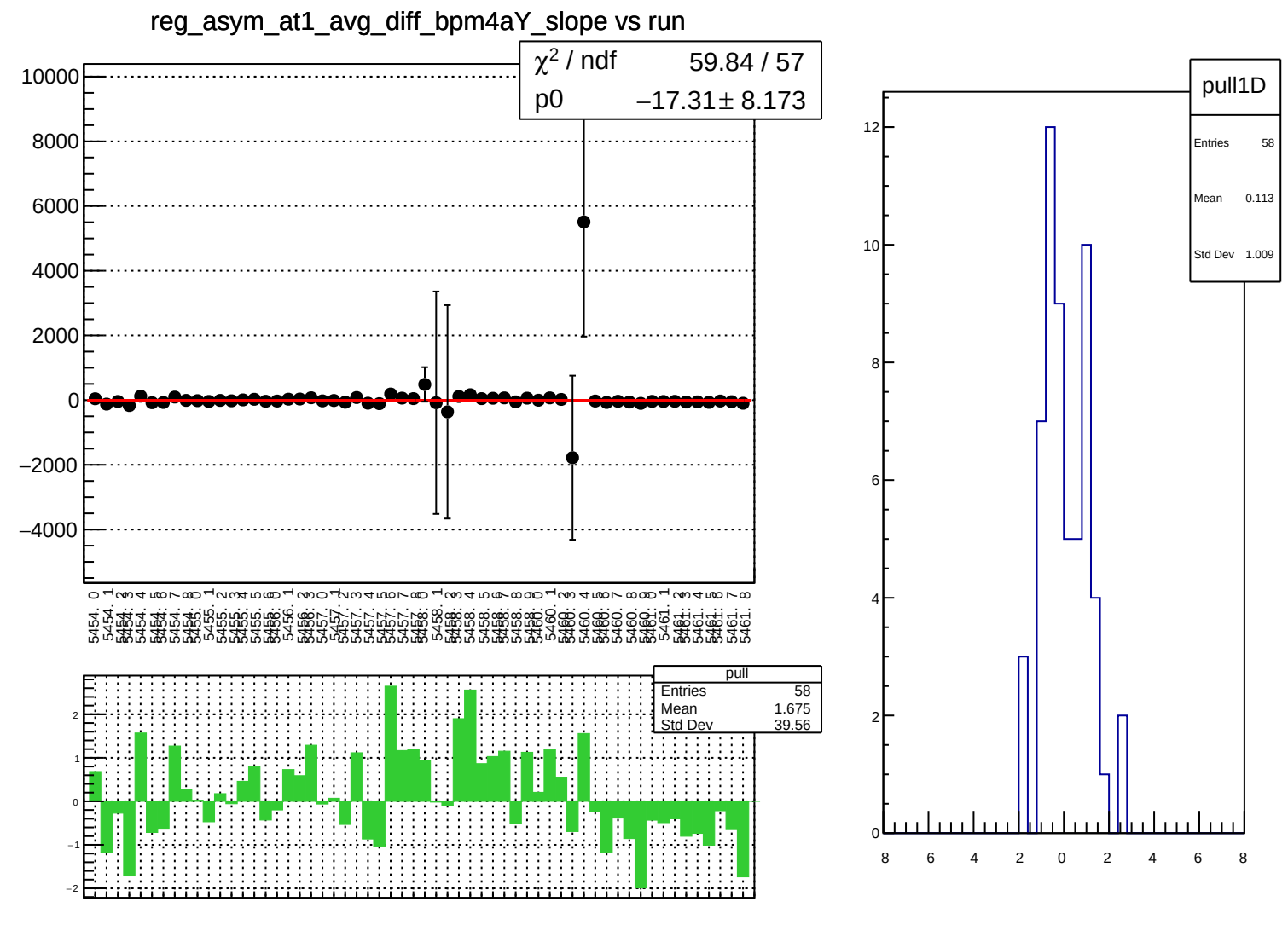

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.99 / 57
p0 −149.4 ± 10.44
6000
4000
2000
0
−2000
−4000
pull
Entries 58
Mean −0.9344
Std Dev 26.44
pull1D
Entries 58
Mean −0.2615
Std Dev 1.034

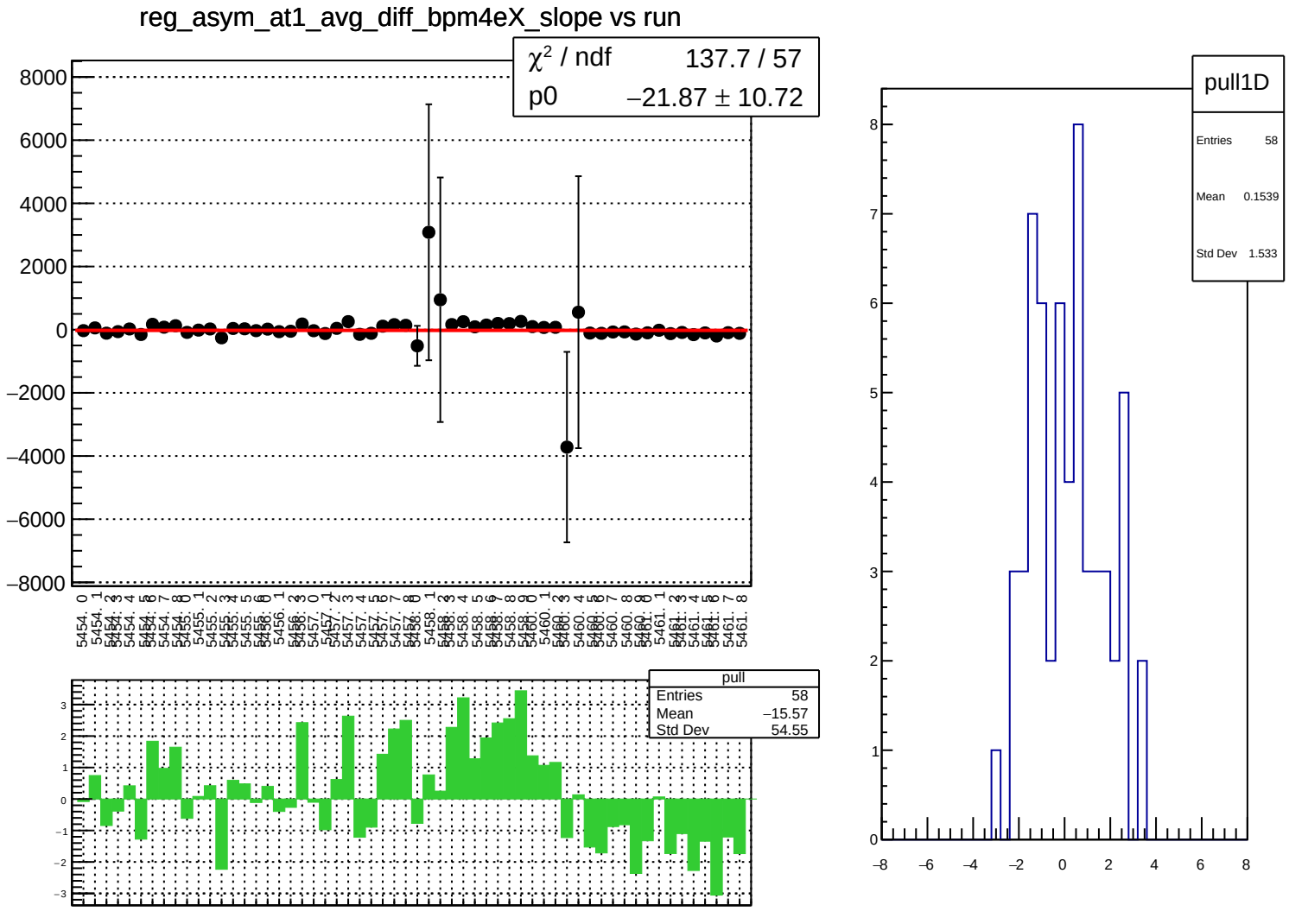

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.15 / 57
p0 −0.8261 ± 9.913
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 1100
Std Dev 1067
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

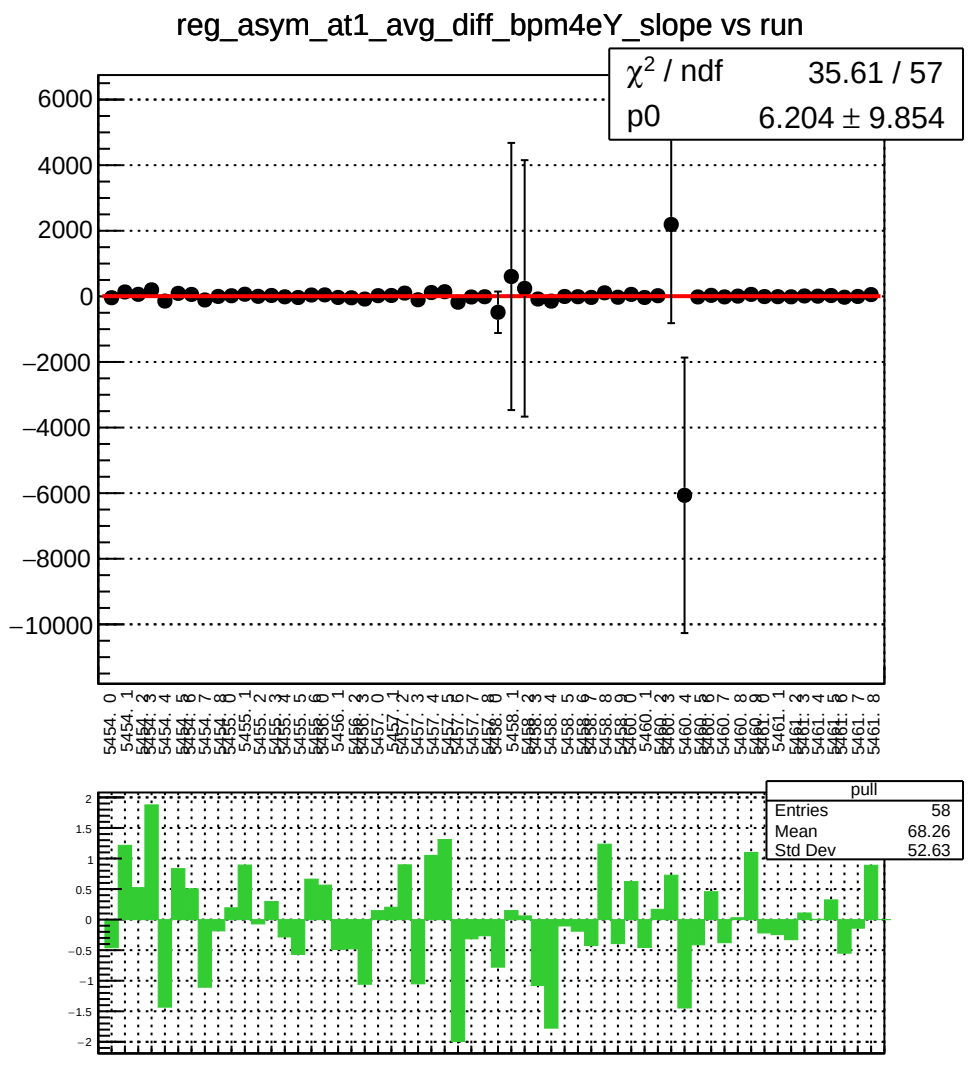

pull1D
Entries 58
Mean 0.003033
Std Dev 0.8626
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

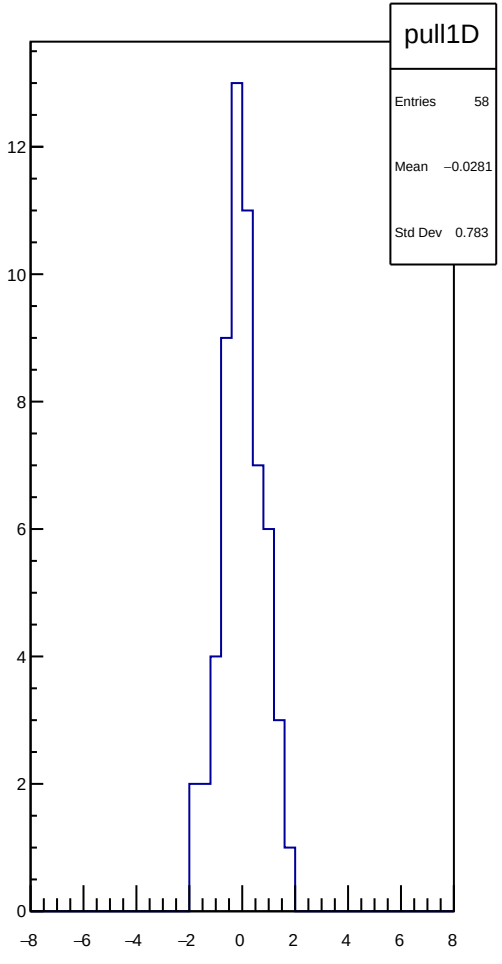

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 2.477e+04 / 57
p0 92.16 ± 0.2402
pull
Entries 58
Mean −0.1725
Std Dev 23.54
pull1D
Entries 58
Mean −2.361
Std Dev 4.064

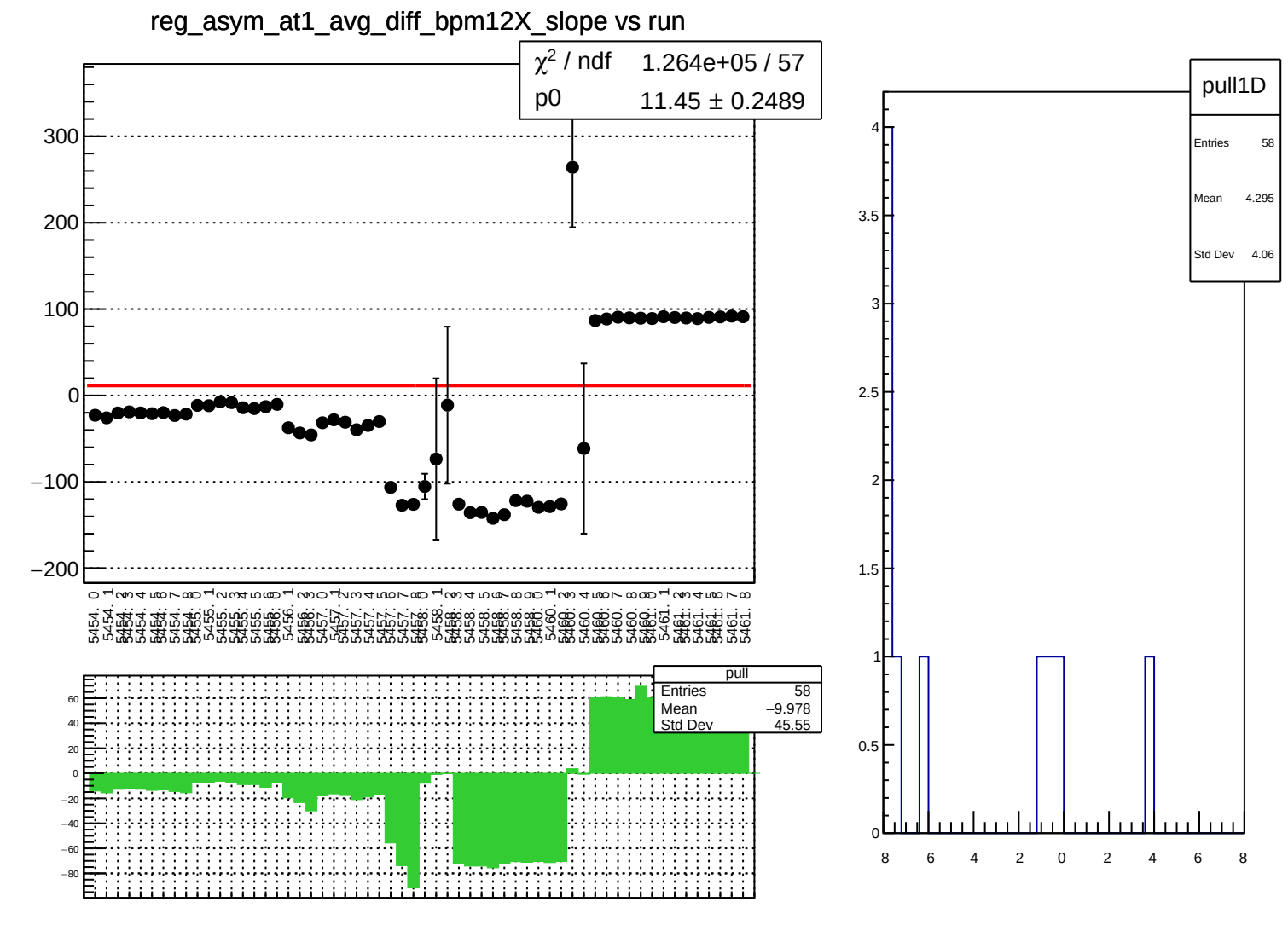

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 101.7 / 57
p0 3.448 ± 11.1
pull
Entries 58
Mean −13.14
Std Dev 55.47
pull1D
Entries 58
Mean −0.098
Std Dev 1.321

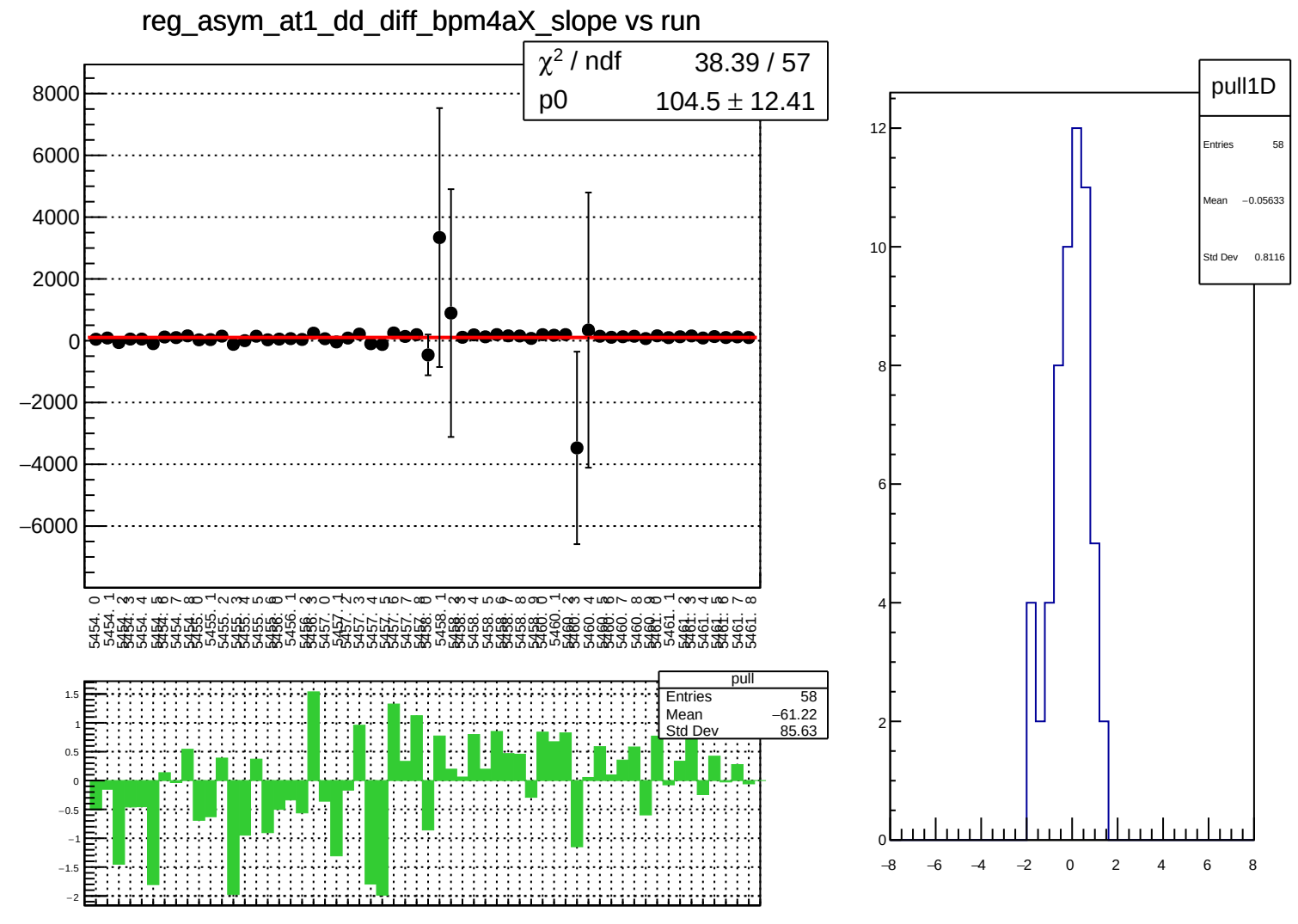

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 59.84 / 57
p0 −17.31 ± 8.173
pull
Entries 58
Mean 1.675
Std Dev 39.56
pull1D
Entries 58
Mean 0.113
Std Dev 1.009

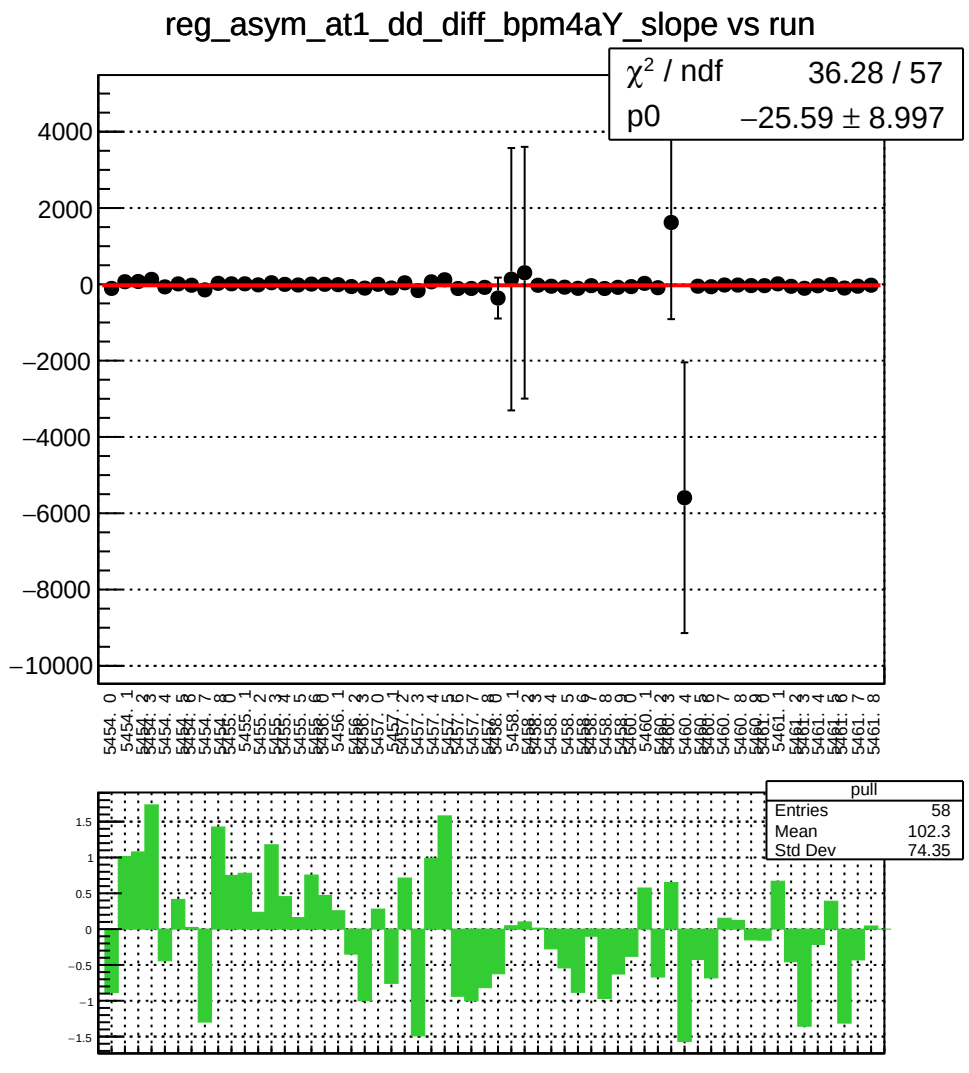

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 137.7 / 57
p0 −21.87 ± 10.72
pull
Entries 58
Mean −15.57
Std Dev 54.55
pull1D
Entries 58
Mean 0.1539
Std Dev 1.533

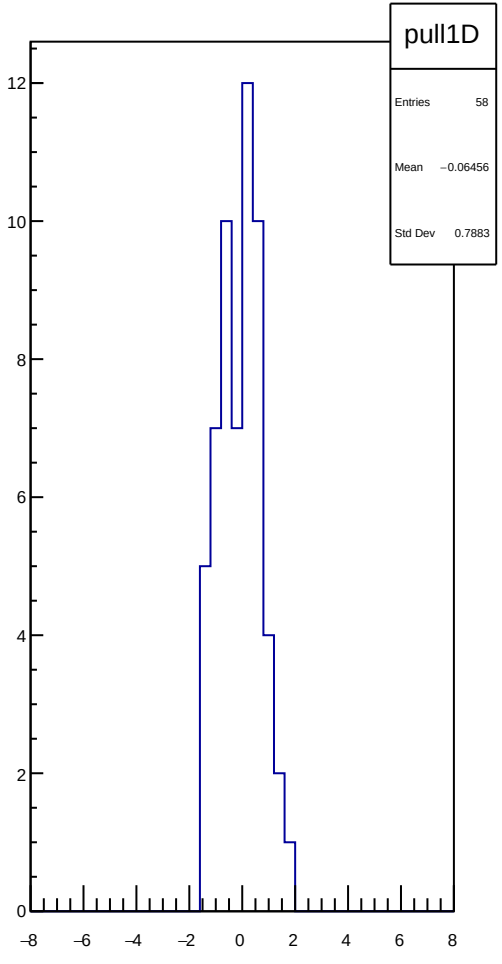

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.61 / 57
p0 6.204 ± 9.854
pull
Entries 58
Mean 68.26
Std Dev 52.63

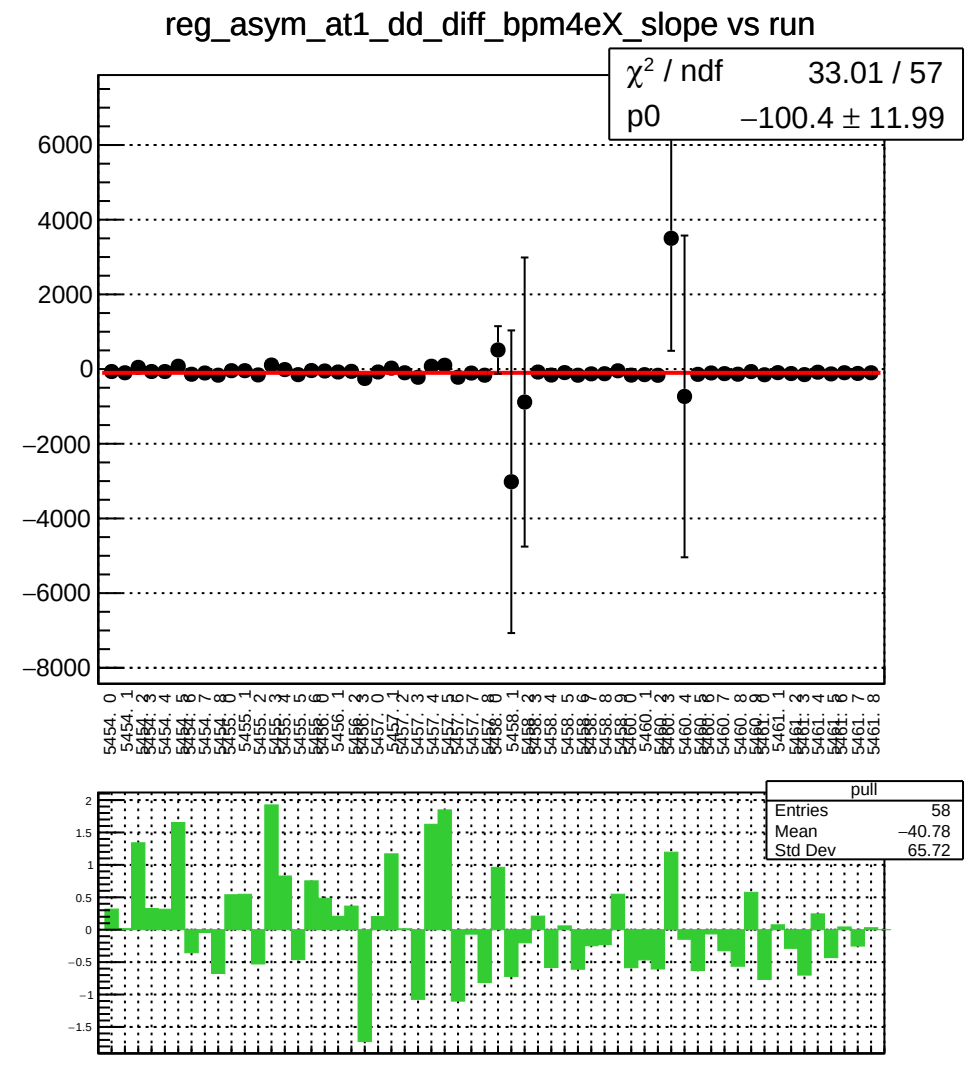

pull1D
Entries 58
Mean −0.0281
Std Dev 0.783

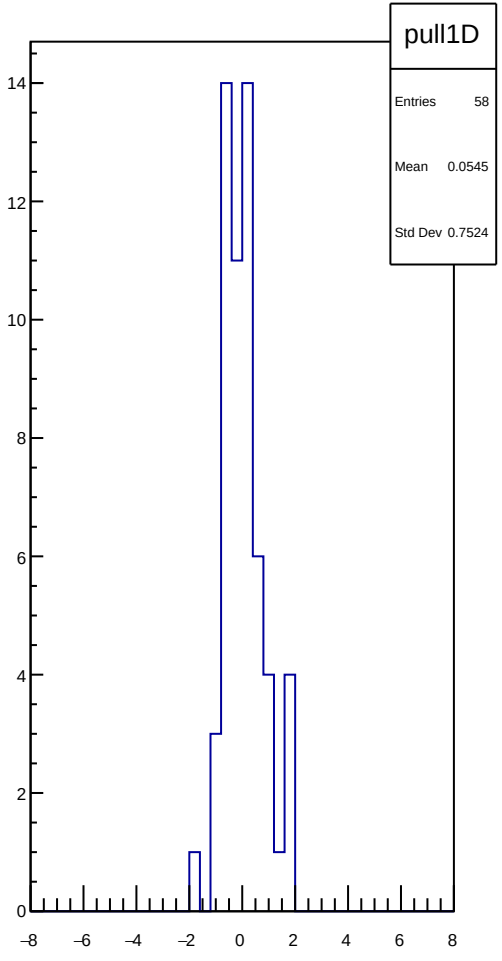

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 1.264e+05 / 57
p0 11.45 ± 0.2489
pull
Entries 58
Mean −9.978
Std Dev 45.55
pull1D
Entries 58
Mean −4.295
Std Dev 4.06

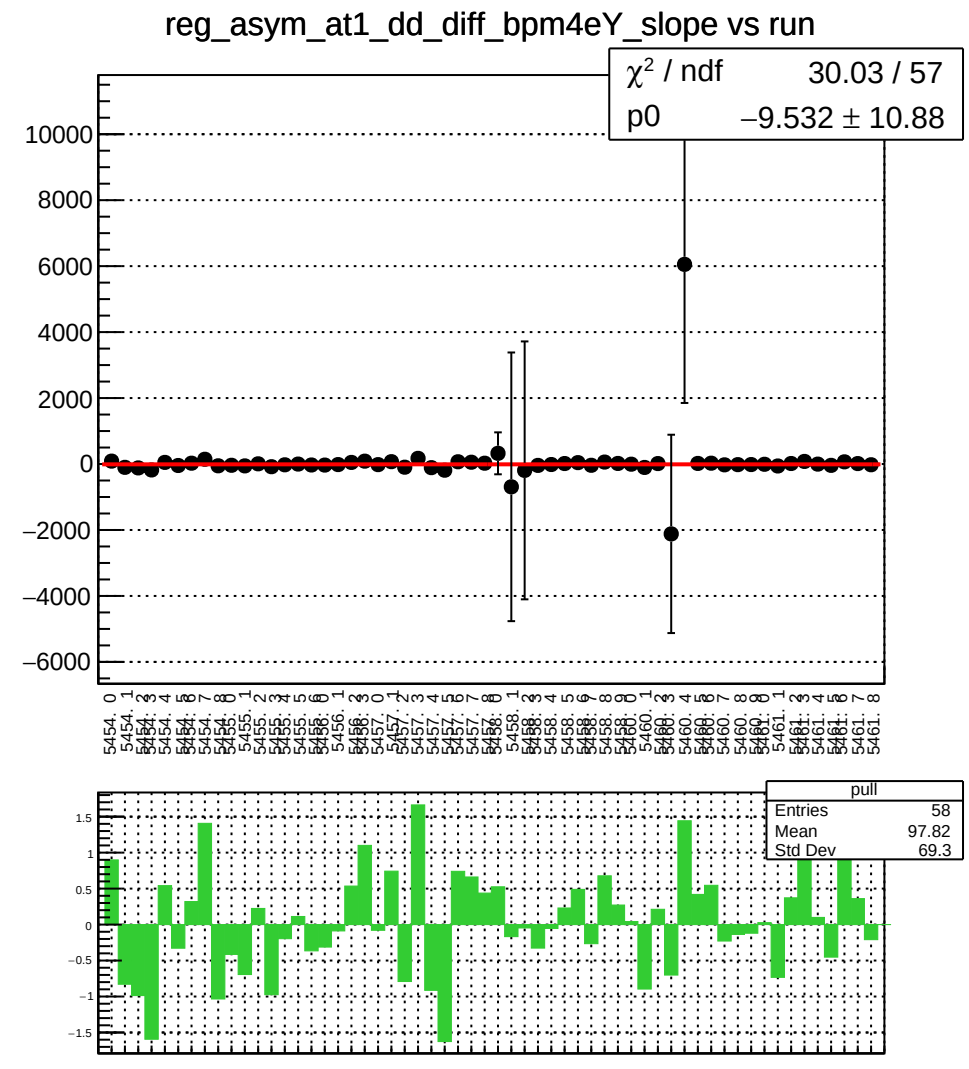

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 38.39 / 57
p0 104.5 ± 12.41
pull
Entries 58
Mean −61.22
Std Dev 85.63
pull1D
Entries 58
Mean −0.05633
Std Dev 0.8116

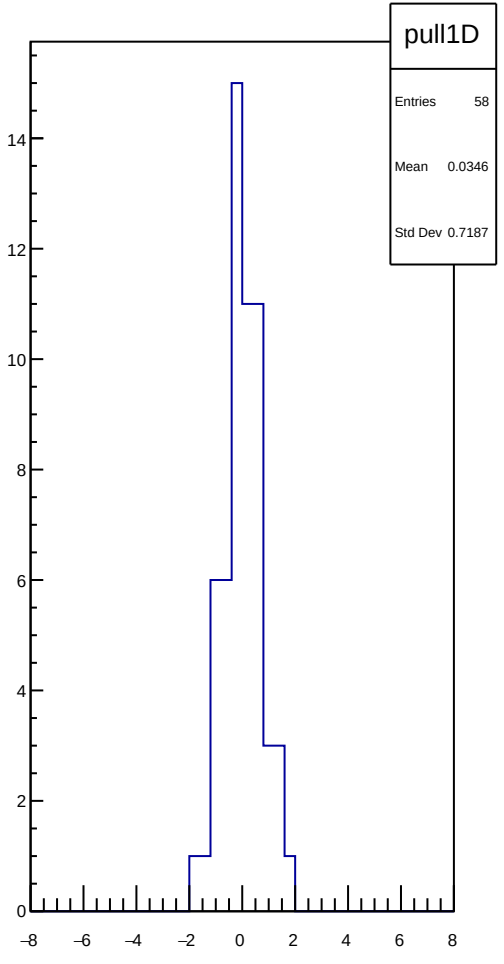

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.28 / 57
p0 −25.59 ± 8.997
pull
Entries 58
Mean 102.3
Std Dev 74.35

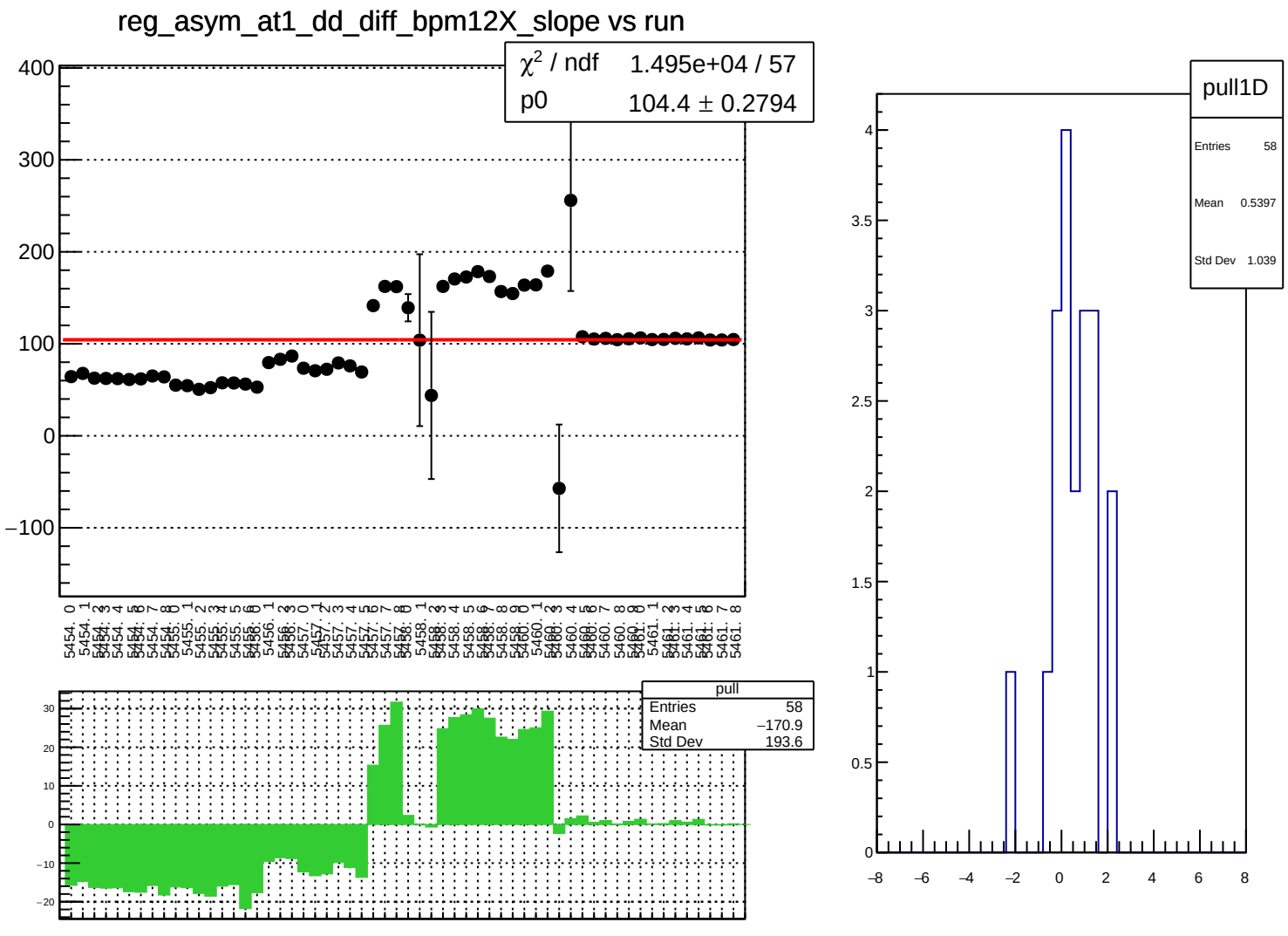

pull1D
Entries 58
Mean −0.06456
Std Dev 0.7883

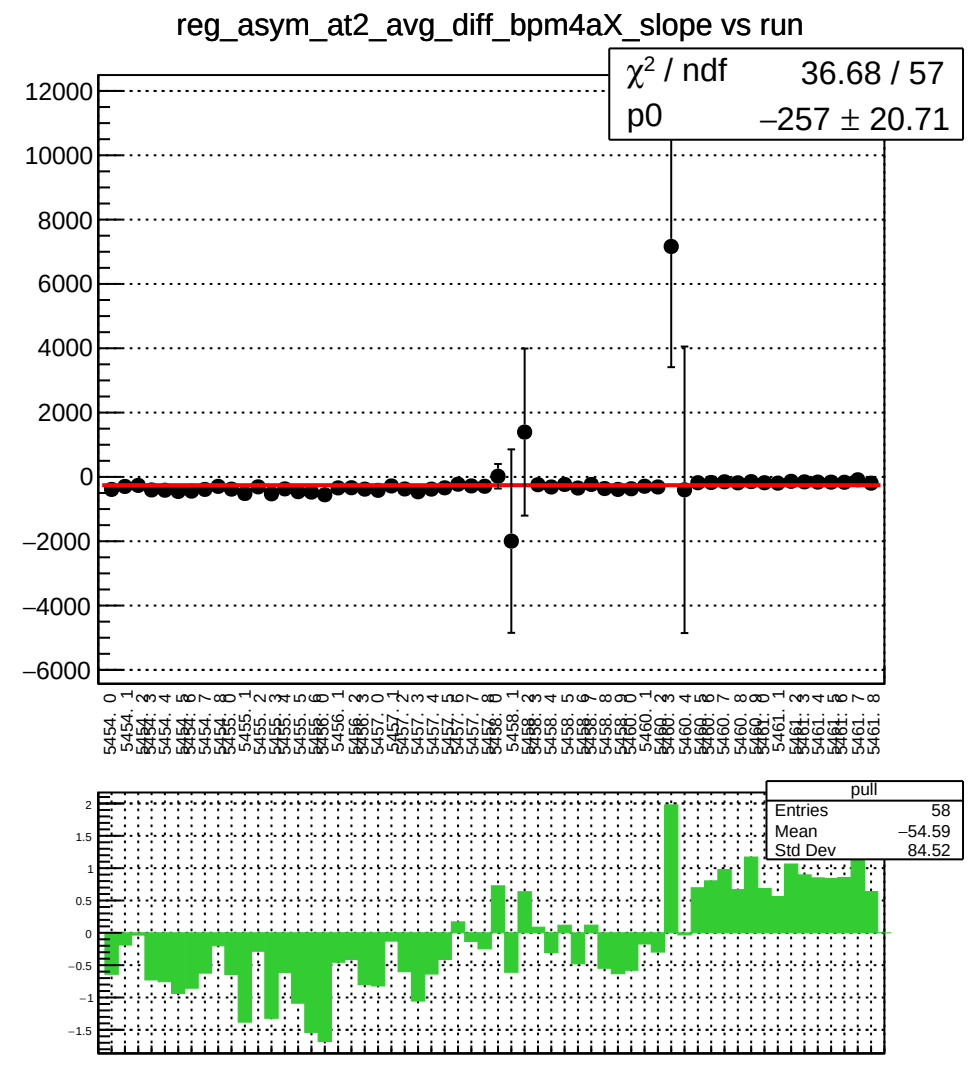

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.01 / 57
p0 −100.4 ± 11.99
pull
Entries 58
Mean −40.78
Std Dev 65.72

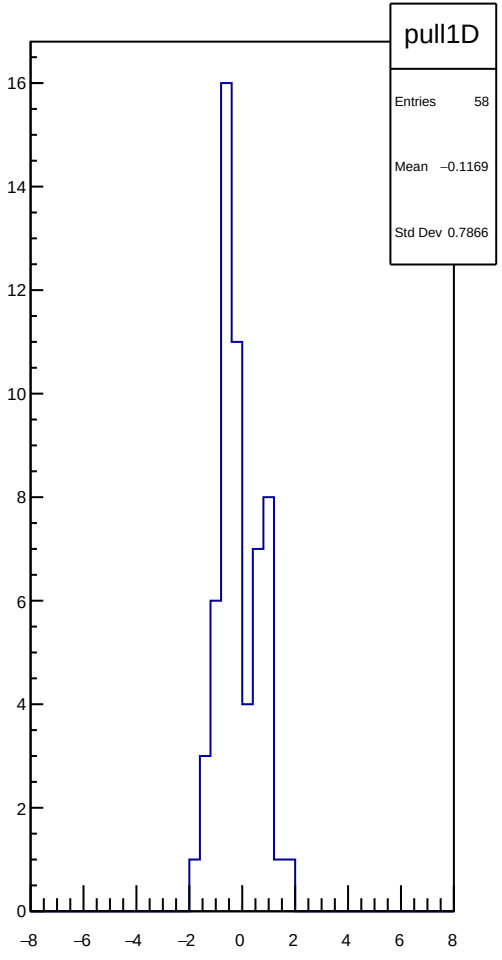

pull1D
Entries 58
Mean 0.0545
Std Dev 0.7524

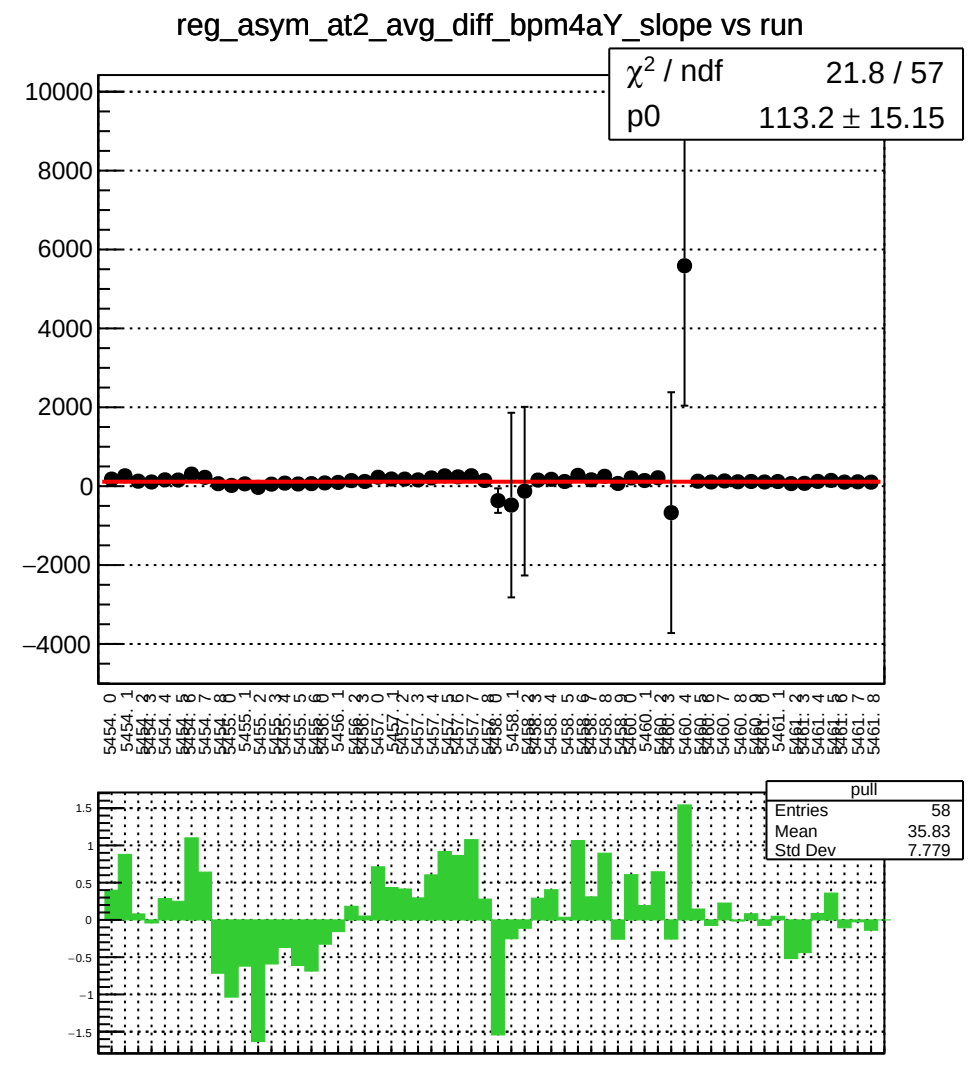

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.03 / 57
p0 −9.532 ± 10.88
pull
Entries 58
Mean 97.82
Std Dev 69.3

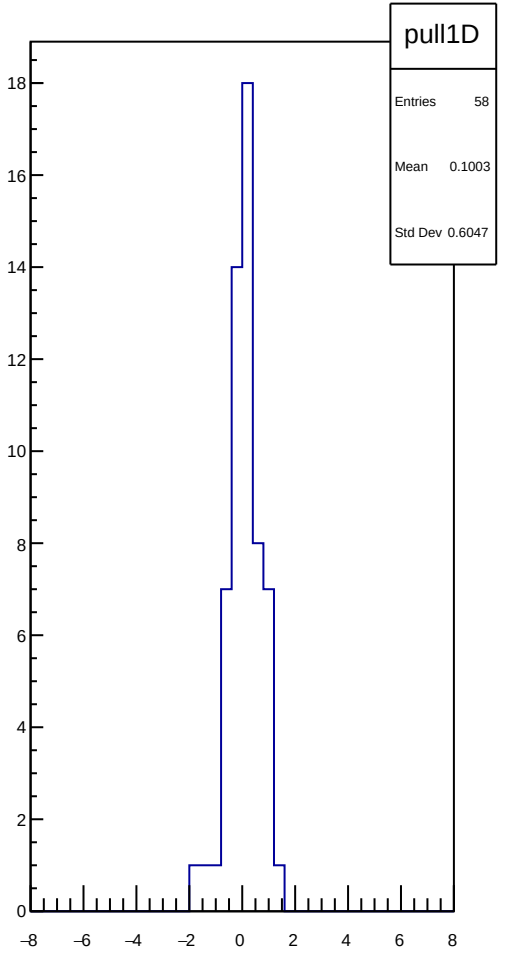

pull1D
Entries 58
Mean 0.0346
Std Dev 0.7187

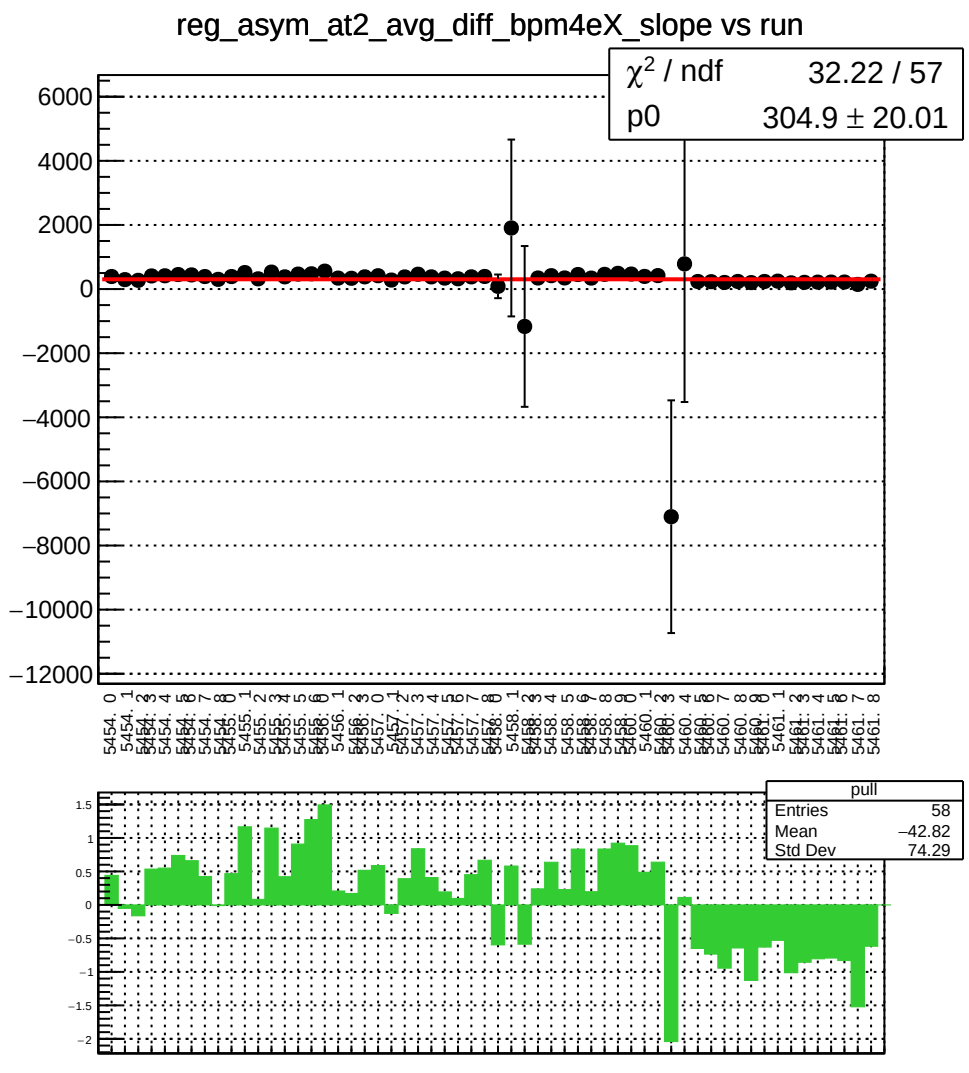

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 1.495e+04 / 57
p0 104.4 ± 0.2794
pull
Entries 58
Mean −170.9
Std Dev 193.6
pull1D
Entries 58
Mean 0.5397
Std Dev 1.039

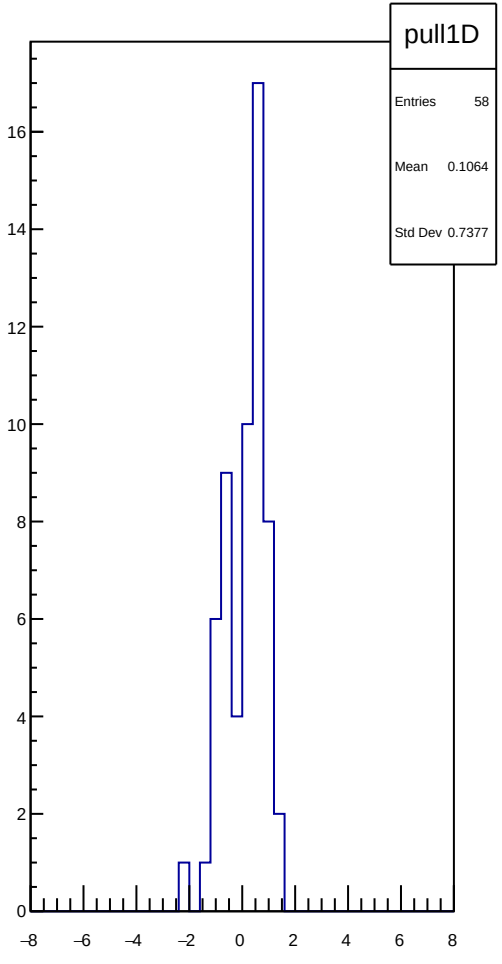

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 36.68 / 57
p0 −257 ± 20.71
pull
Entries 58
Mean −54.59
Std Dev 84.52

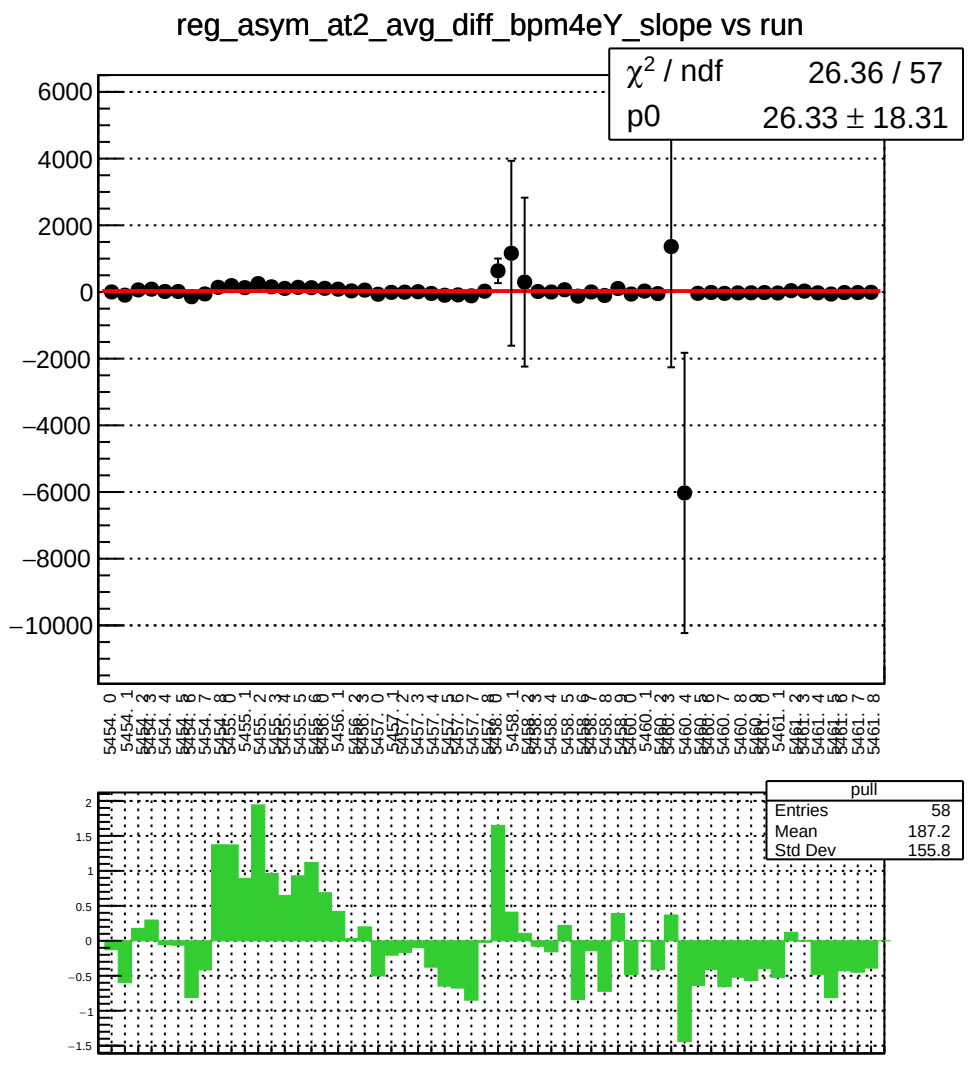

pull1D
Entries 58
Mean −0.1169
Std Dev 0.7866

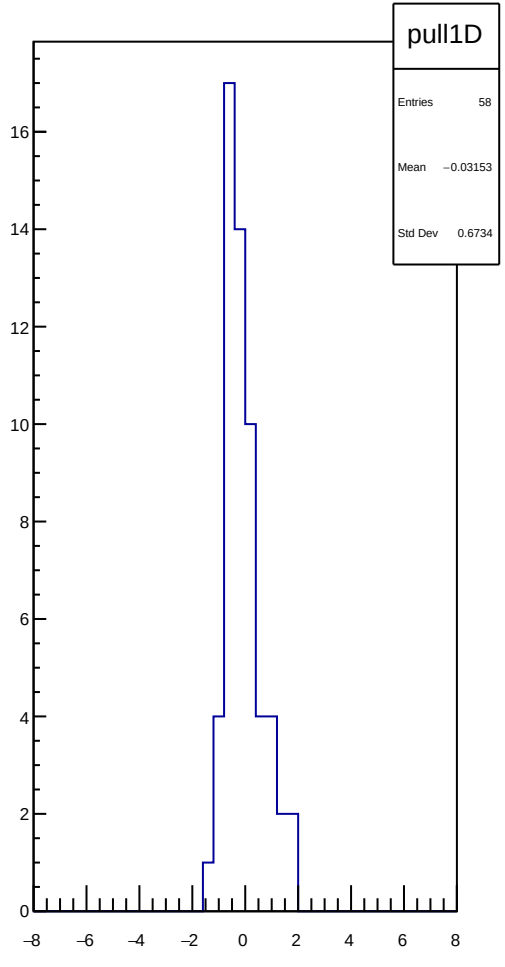

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.8 / 57
p0 113.2 ± 15.15
10000
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 58
Mean 35.83
Std Dev 7.779
1.5
1
0.5
0
−0.5
−1
−1.5

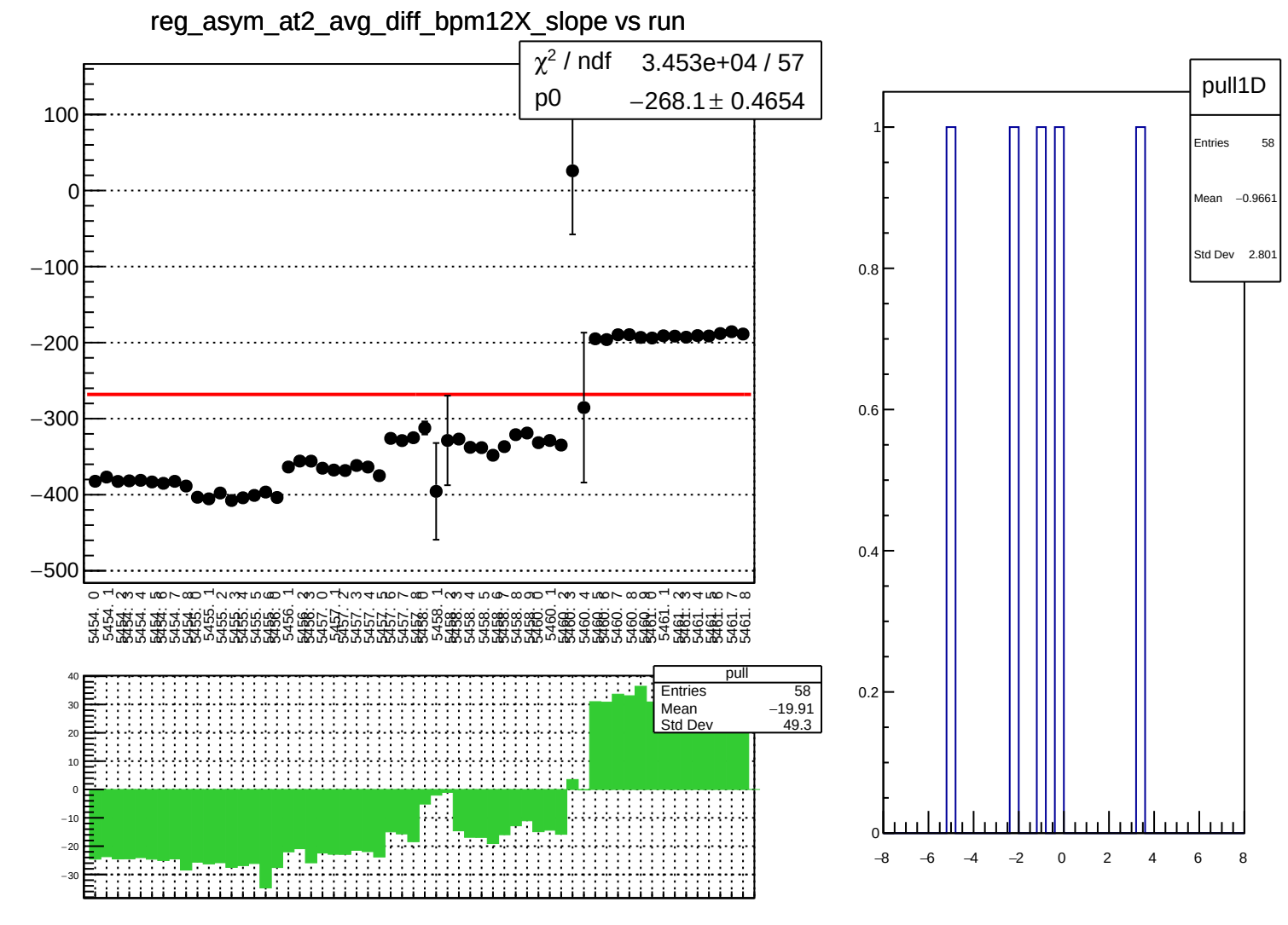

pull1D
Entries 58
Mean 0.1003
Std Dev 0.6047
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

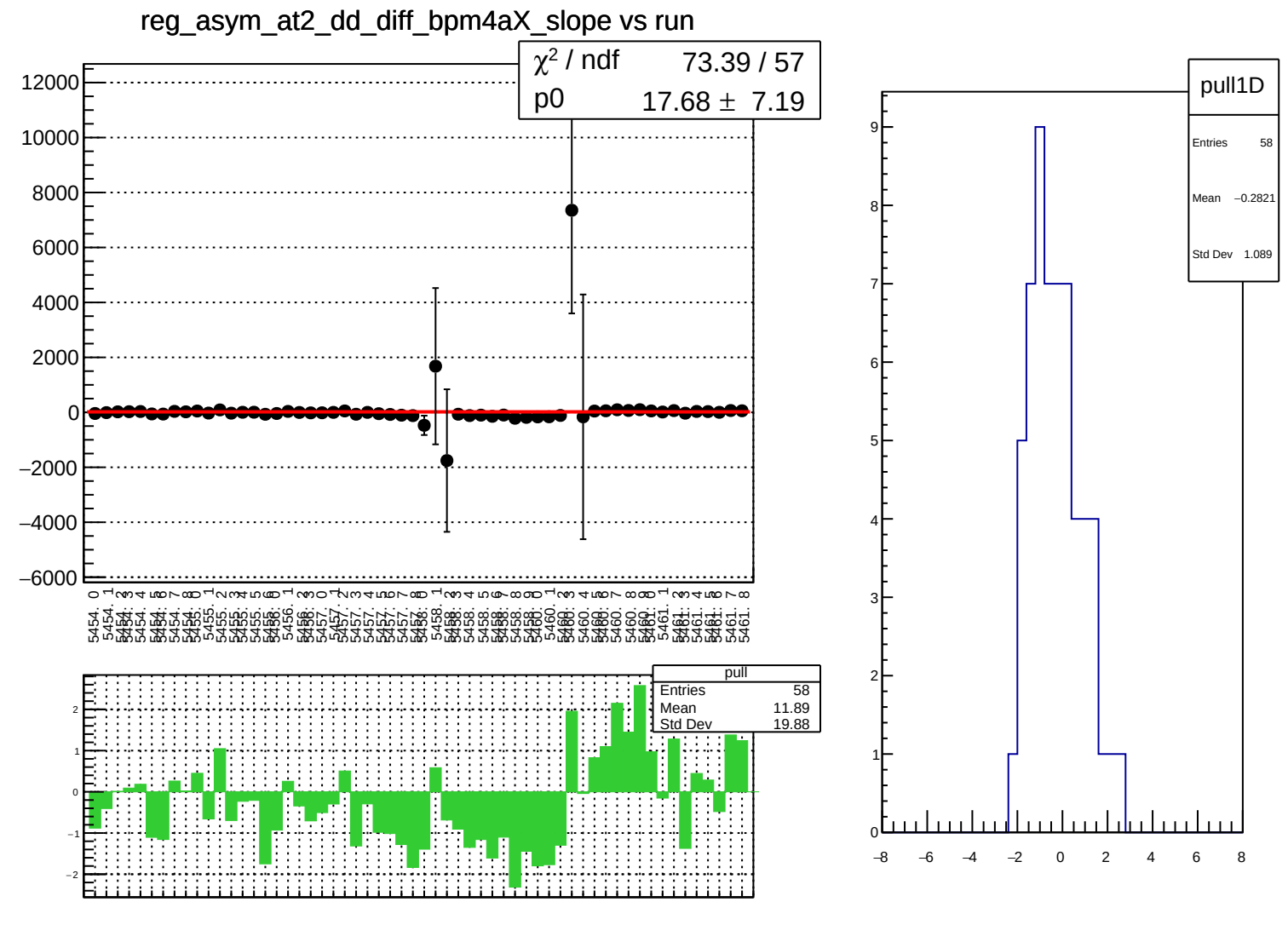

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.22 / 57
p0 304.9 ± 20.01
pull
Entries 58
Mean −42.82
Std Dev 74.29

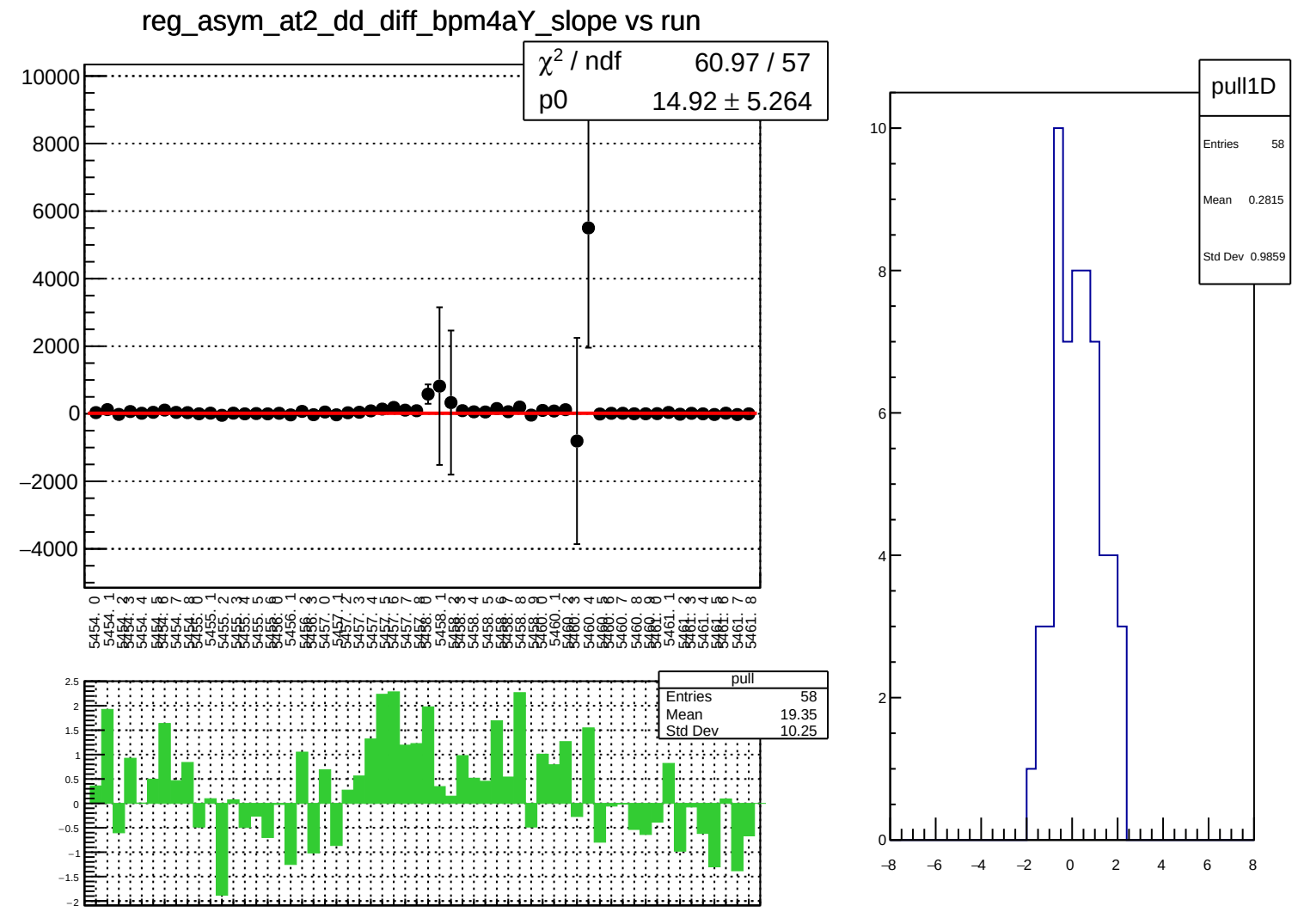

pull1D
Entries 58
Mean 0.1064
Std Dev 0.7377

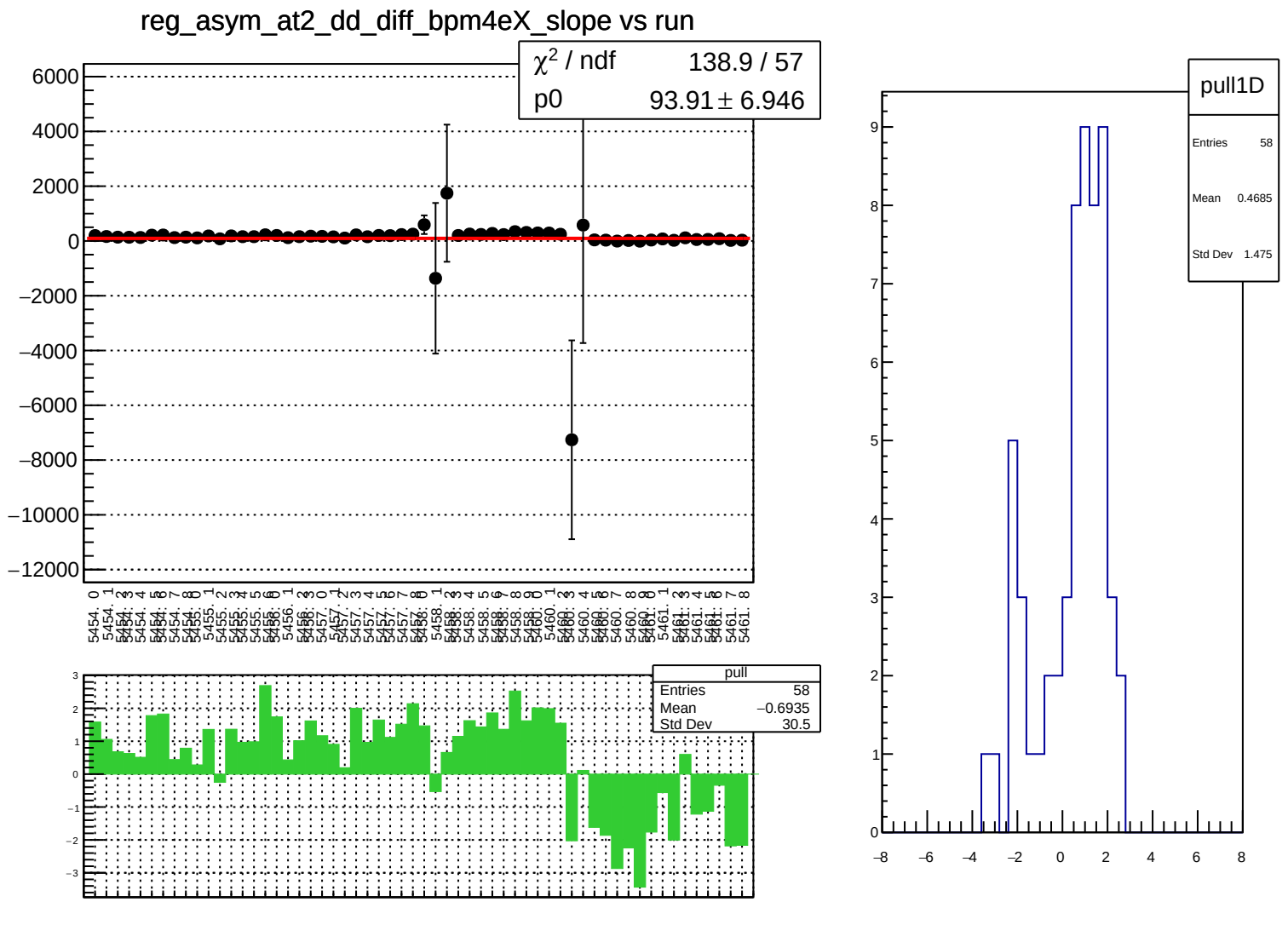

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.36 / 57
p0 26.33 ± 18.31
pull
Entries 58
Mean 187.2
Std Dev 155.8

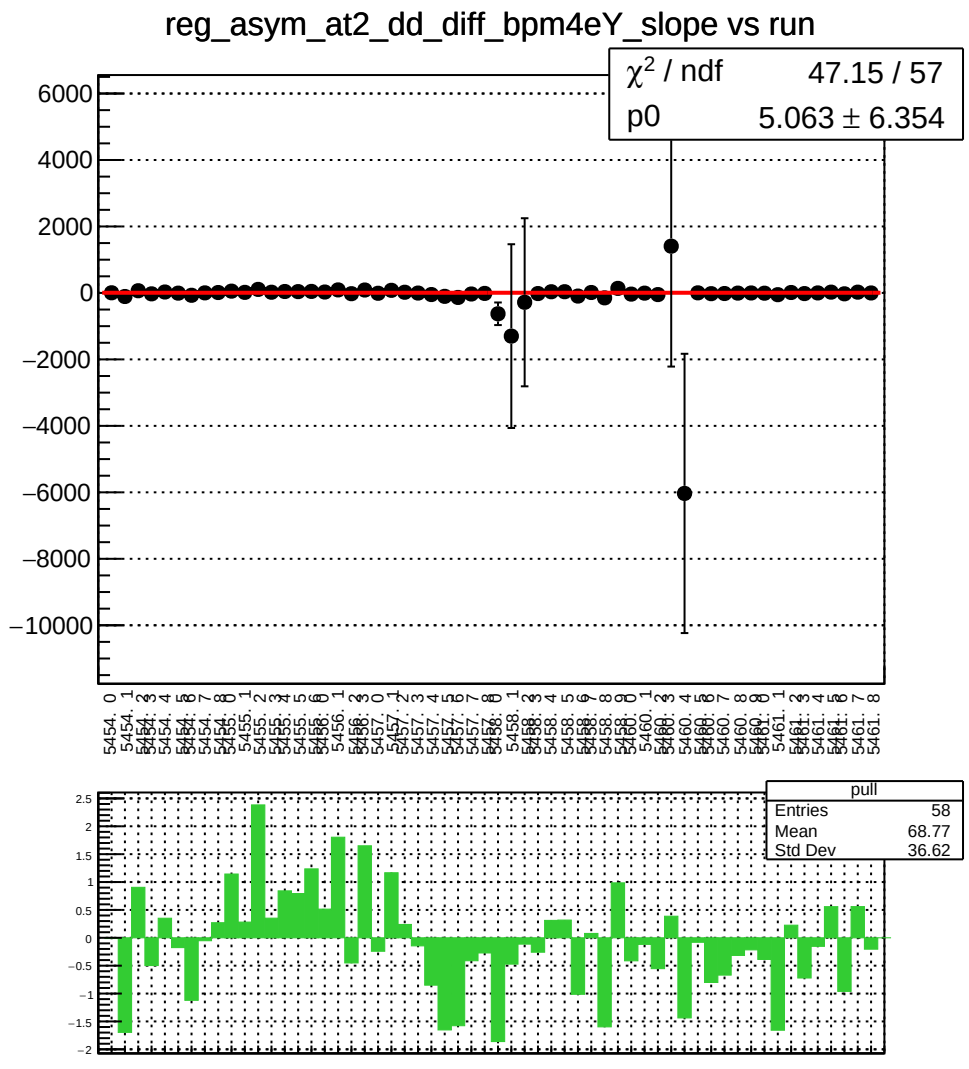

pull1D
Entries 58
Mean −0.03153
Std Dev 0.6734

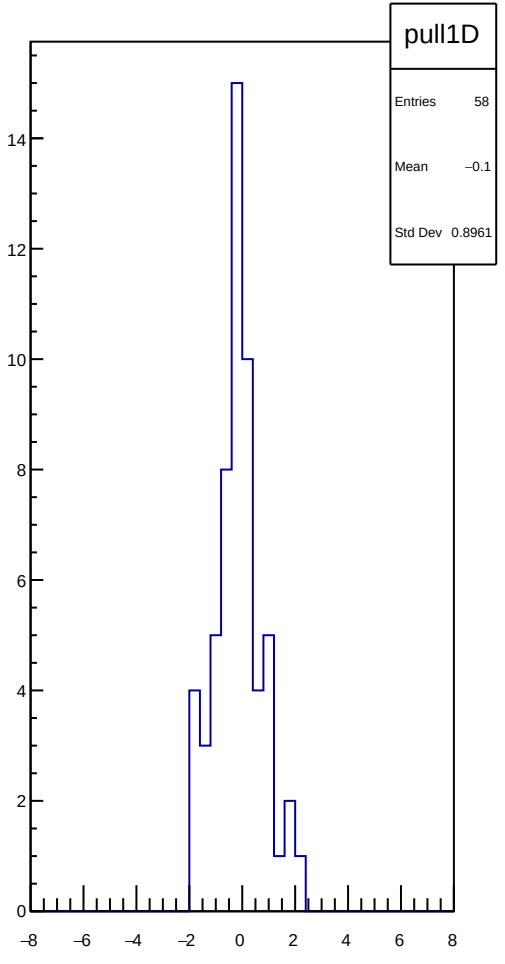

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 3.453e+04 / 57
p0 −268.1 ± 0.4654
pull
Entries 58
Mean −19.91
Std Dev 49.3
pull1D
Entries 58
Mean −0.9661
Std Dev 2.801

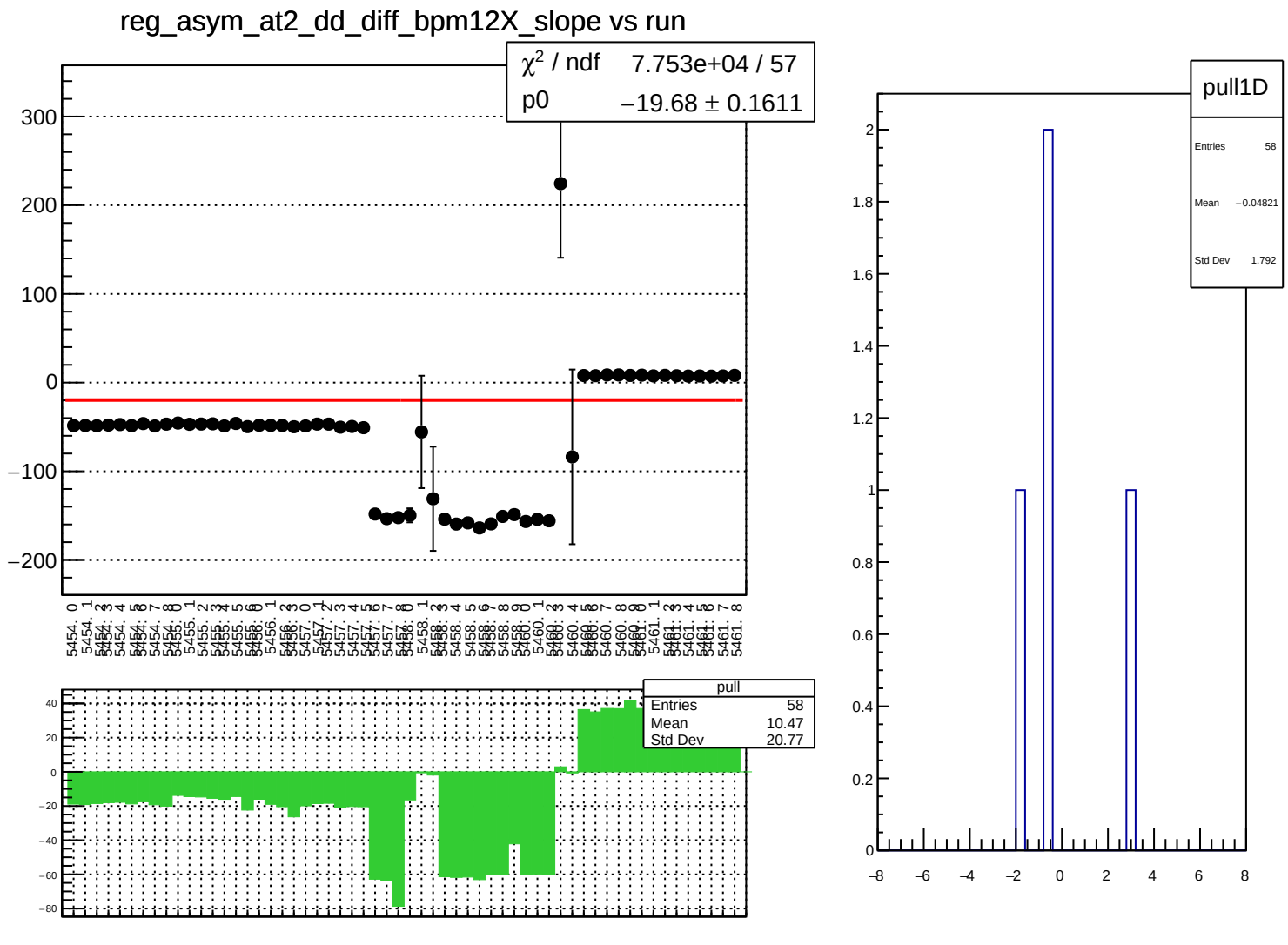

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 73.39 / 57
p0 17.68 ± 7.19
pull
Entries 58
Mean 11.89
Std Dev 19.88
pull1D
Entries 58
Mean −0.2821
Std Dev 1.089

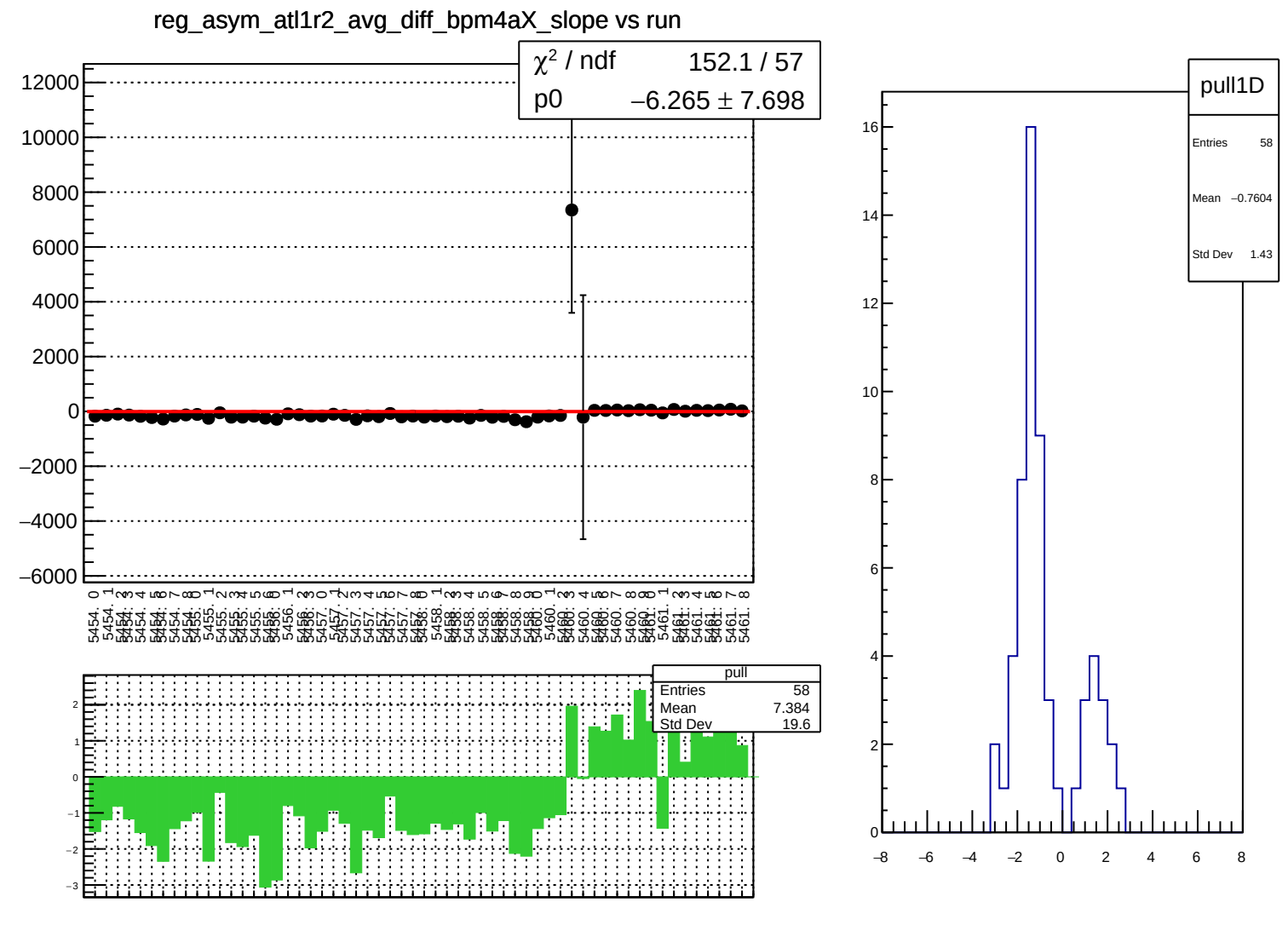

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.97 / 57
p0 14.92 ± 5.264
pull
Entries 58
Mean 19.35
Std Dev 10.25
pull1D
Entries 58
Mean 0.2815
Std Dev 0.9859

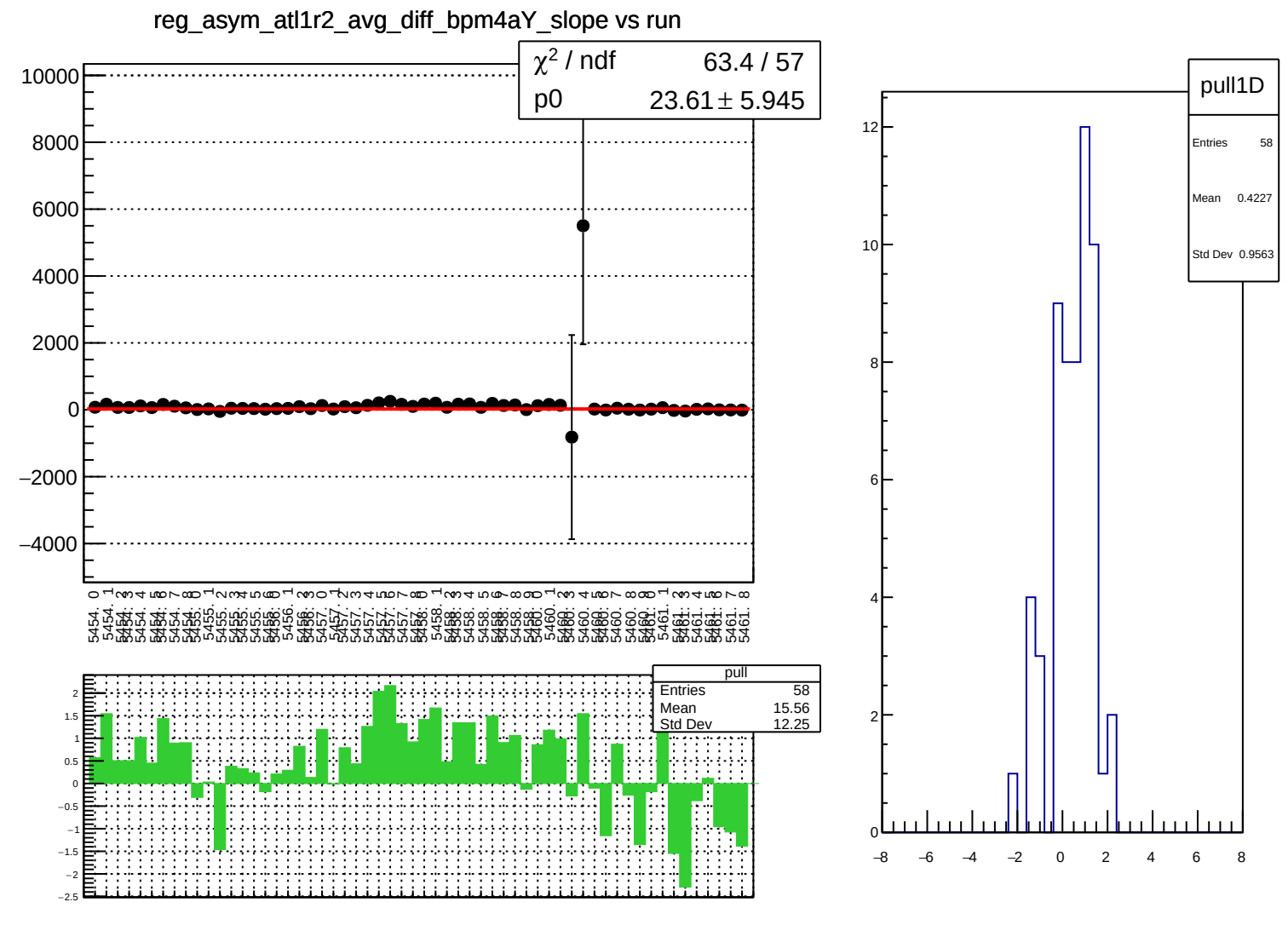

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 138.9 / 57
p0 93.91 ± 6.946
pull
Entries 58
Mean −0.6935
Std Dev 30.5
pull1D
Entries 58
Mean 0.4685
Std Dev 1.475

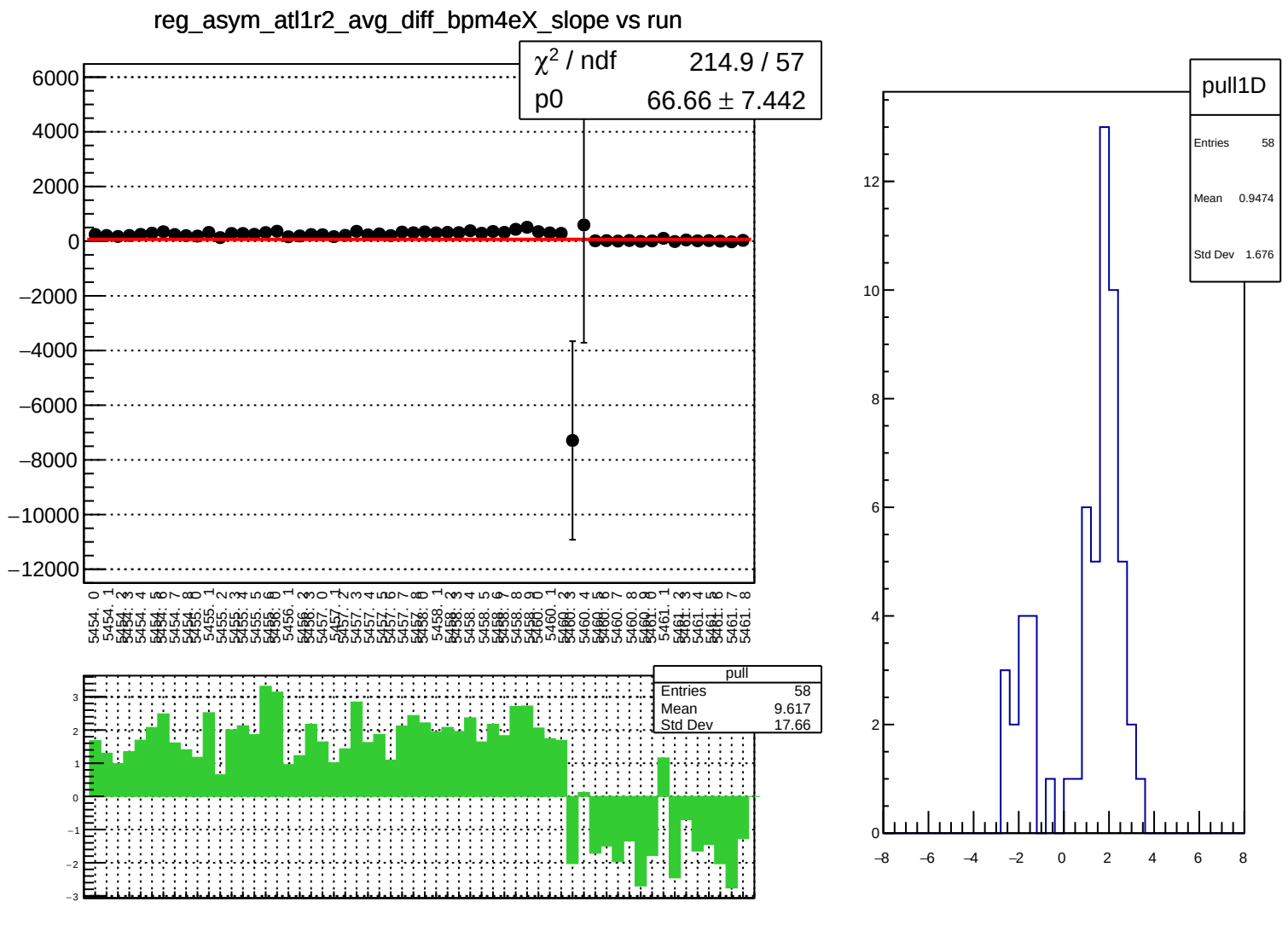

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.15 / 57
p0 5.063 ± 6.354
pull
Entries 58
Mean 68.77
Std Dev 36.62

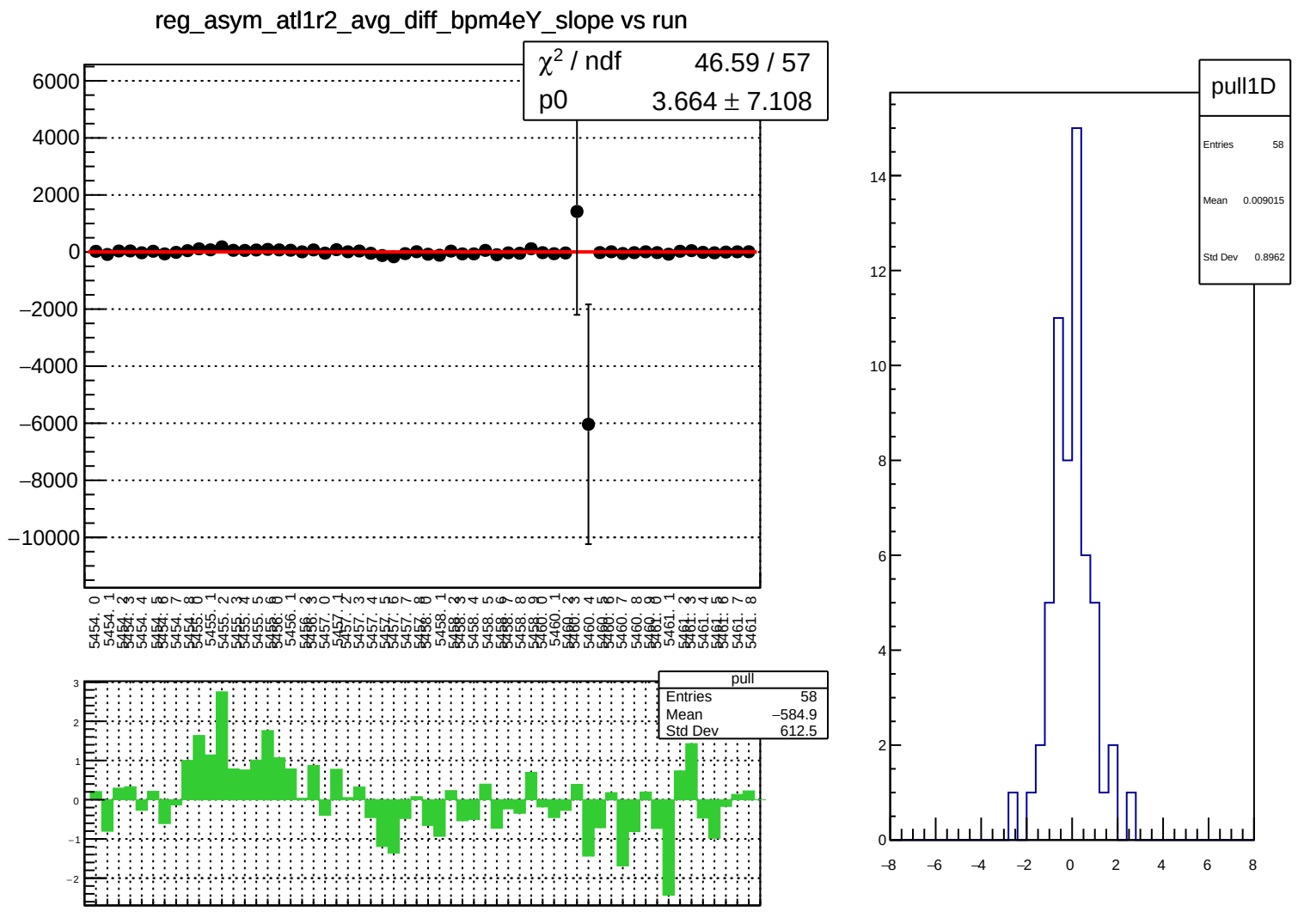

pull1D
Entries 58
Mean −0.1
Std Dev 0.8961

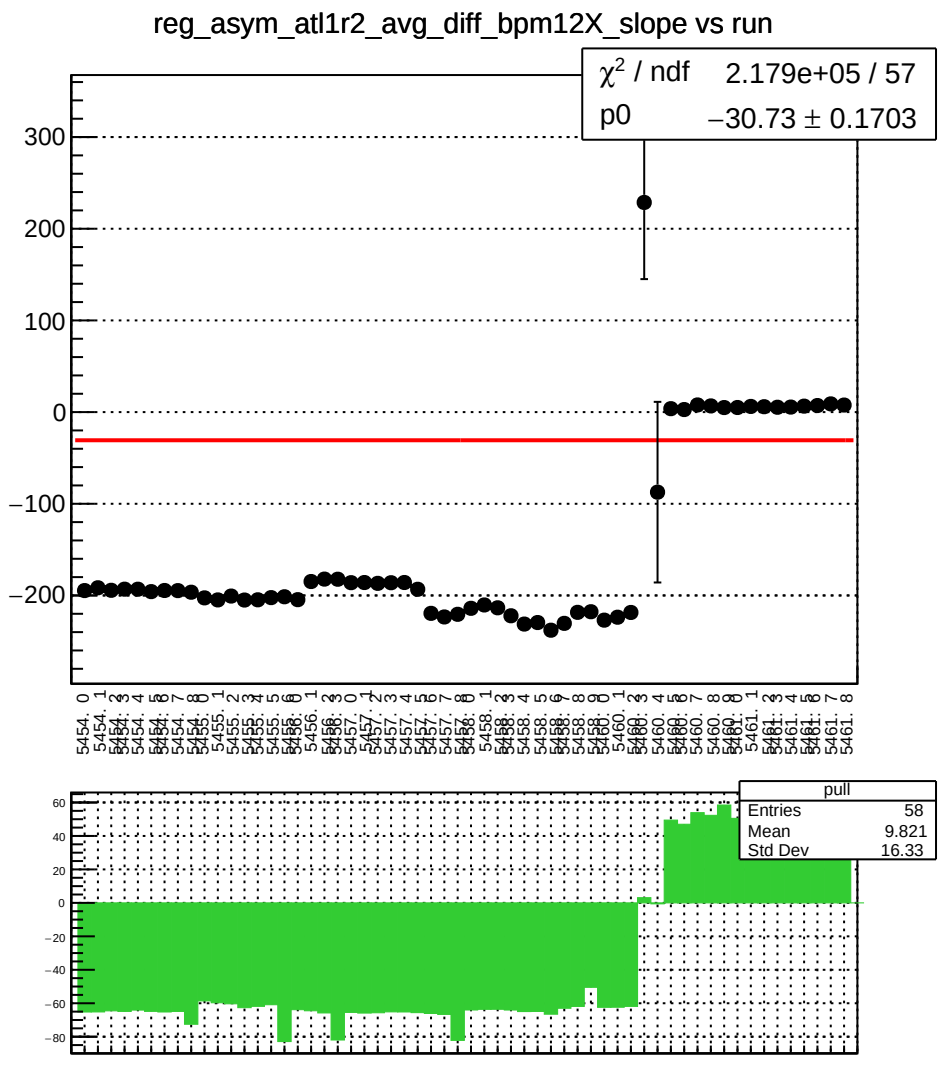

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 7.753e+04 / 57
p0 −19.68 ± 0.1611
pull
Entries 58
Mean 10.47
Std Dev 20.77
pull1D
Entries 58
Mean −0.04821
Std Dev 1.792

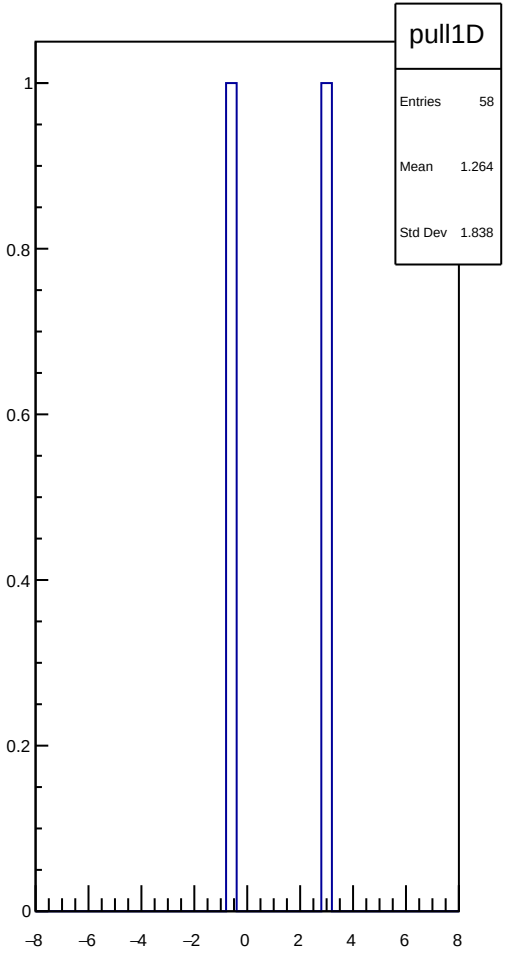

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 152.1 / 57
p0 −6.265 ± 7.698
pull
Entries 58
Mean 7.384
Std Dev 19.6
pull1D
Entries 58
Mean −0.7604
Std Dev 1.43

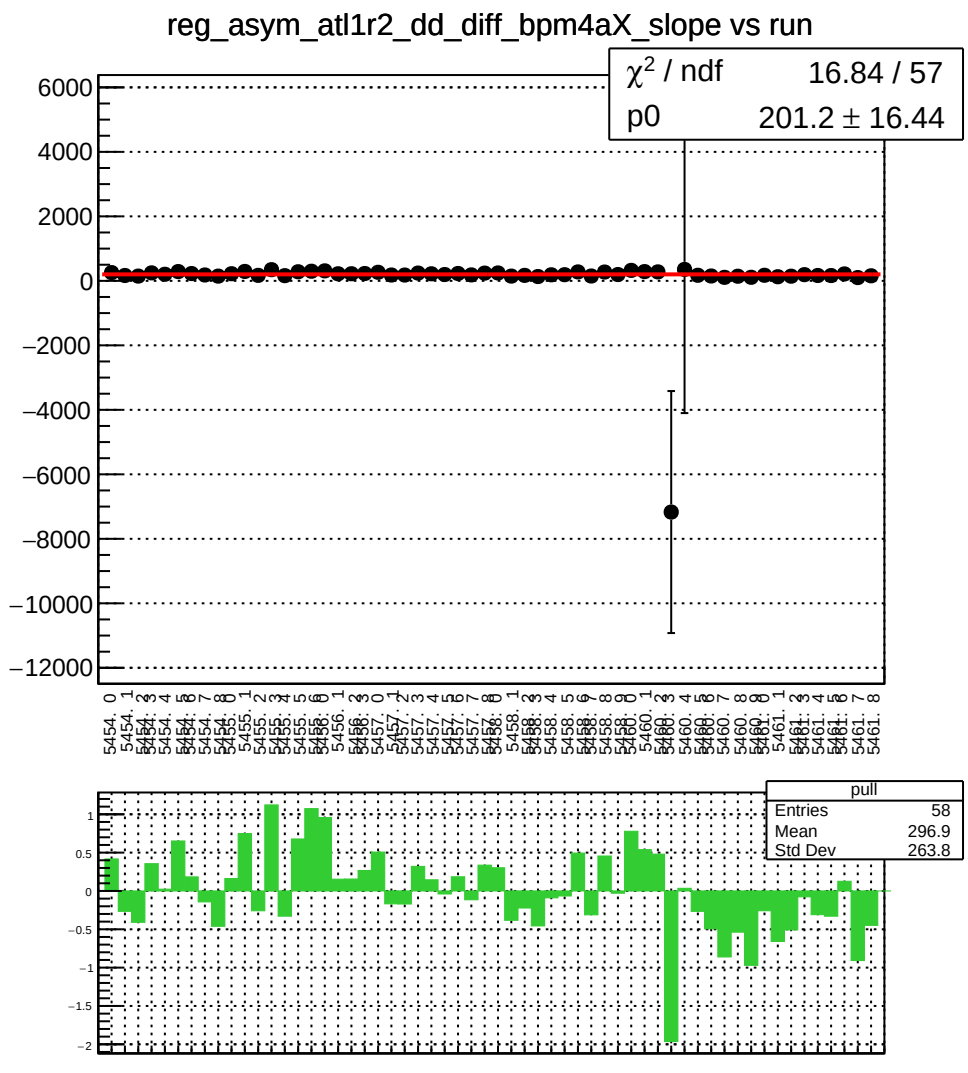

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.4 / 57
p0 23.61 ± 5.945
pull
Entries 58
Mean 15.56
Std Dev 12.25
pull1D
Entries 58
Mean 0.4227
Std Dev 0.9563

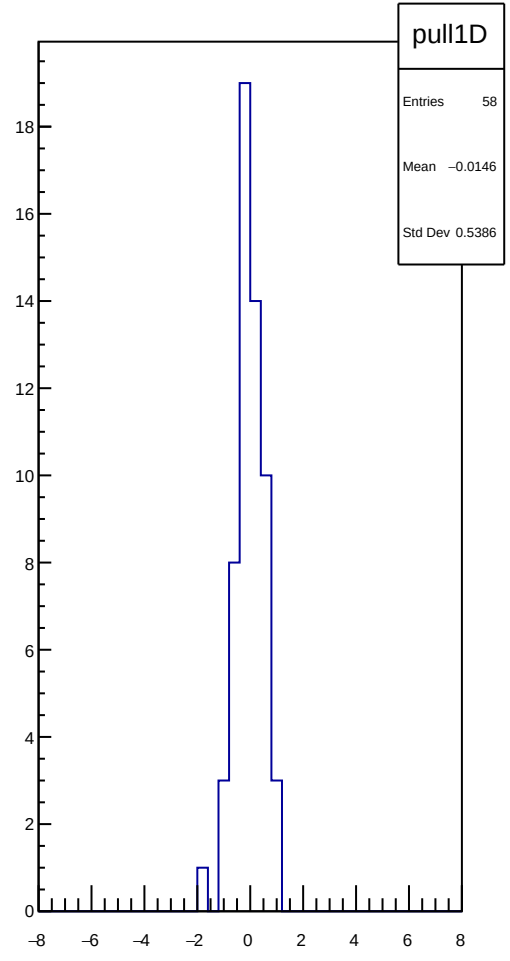

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 214.9 / 57
p0 66.66 ± 7.442
pull
Entries 58
Mean 9.617
Std Dev 17.66
pull1D
Entries 58
Mean 0.9474
Std Dev 1.676

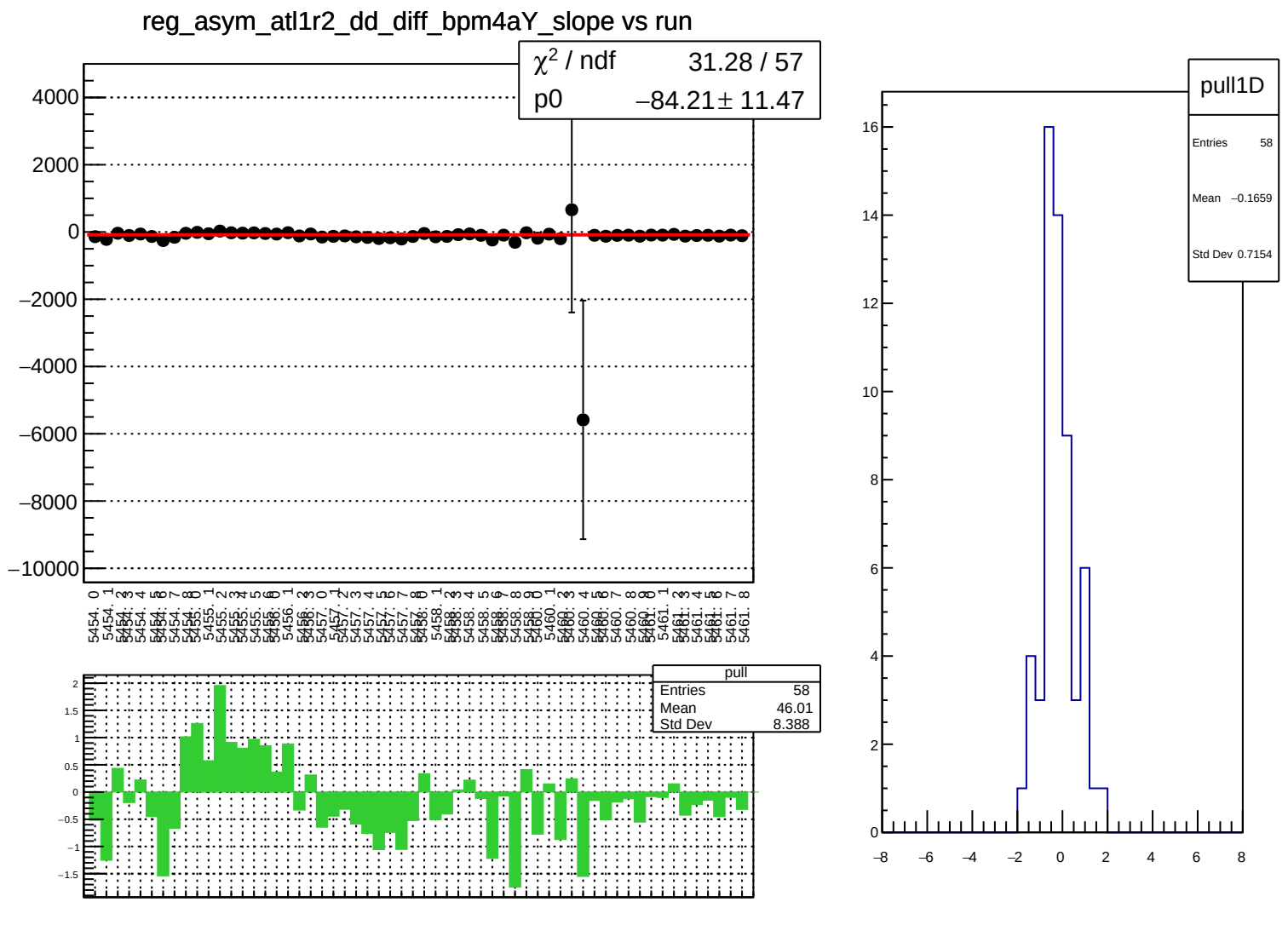

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.59 / 57
p0 3.664 ± 7.108
pull
Entries 58
Mean −584.9
Std Dev 612.5
pull1D
Entries 58
Mean 0.009015
Std Dev 0.8962

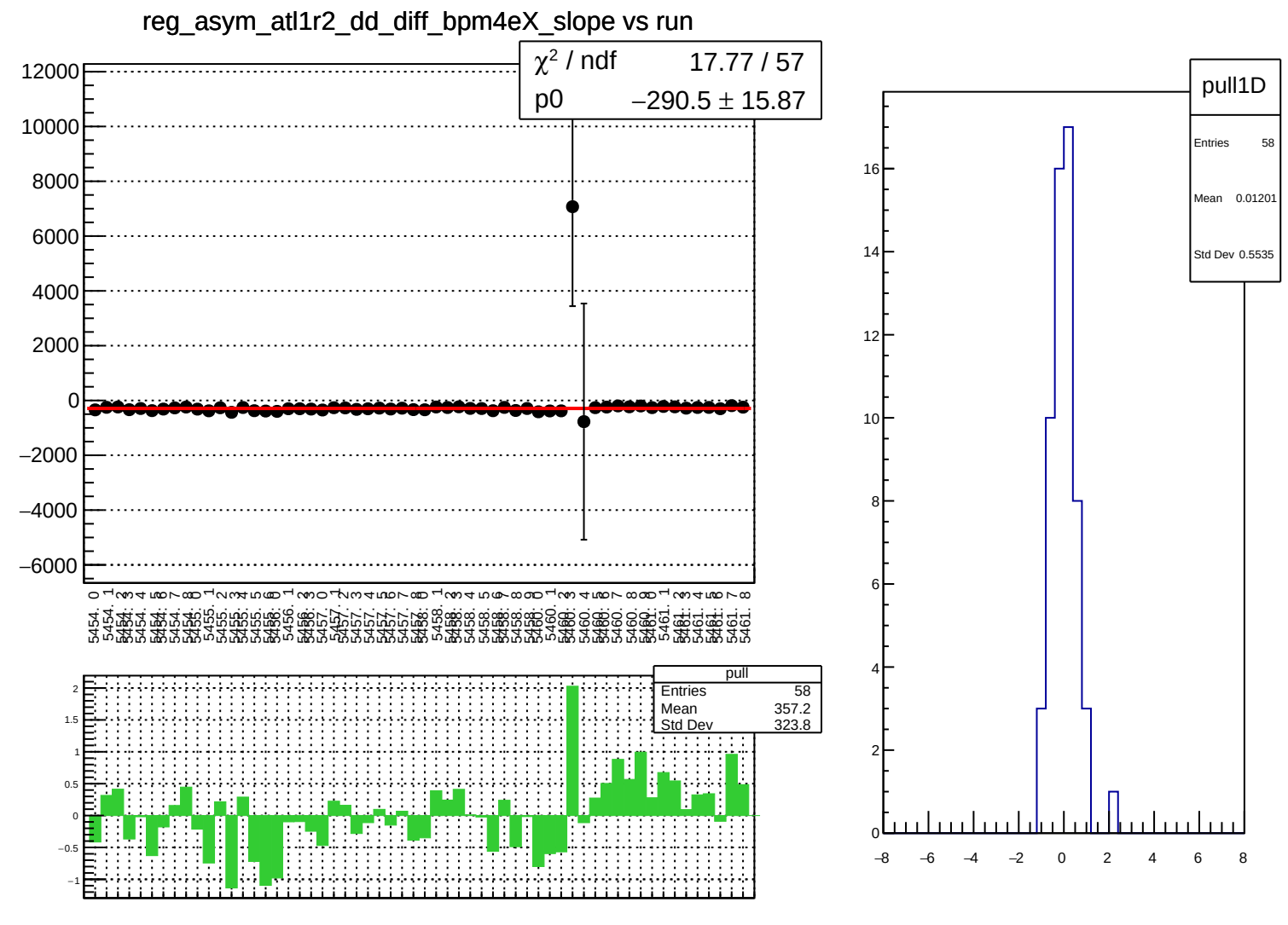

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 2.179e+05 / 57
p0 −30.73 ± 0.1703
pull
Entries 58
Mean 9.821
Std Dev 16.33

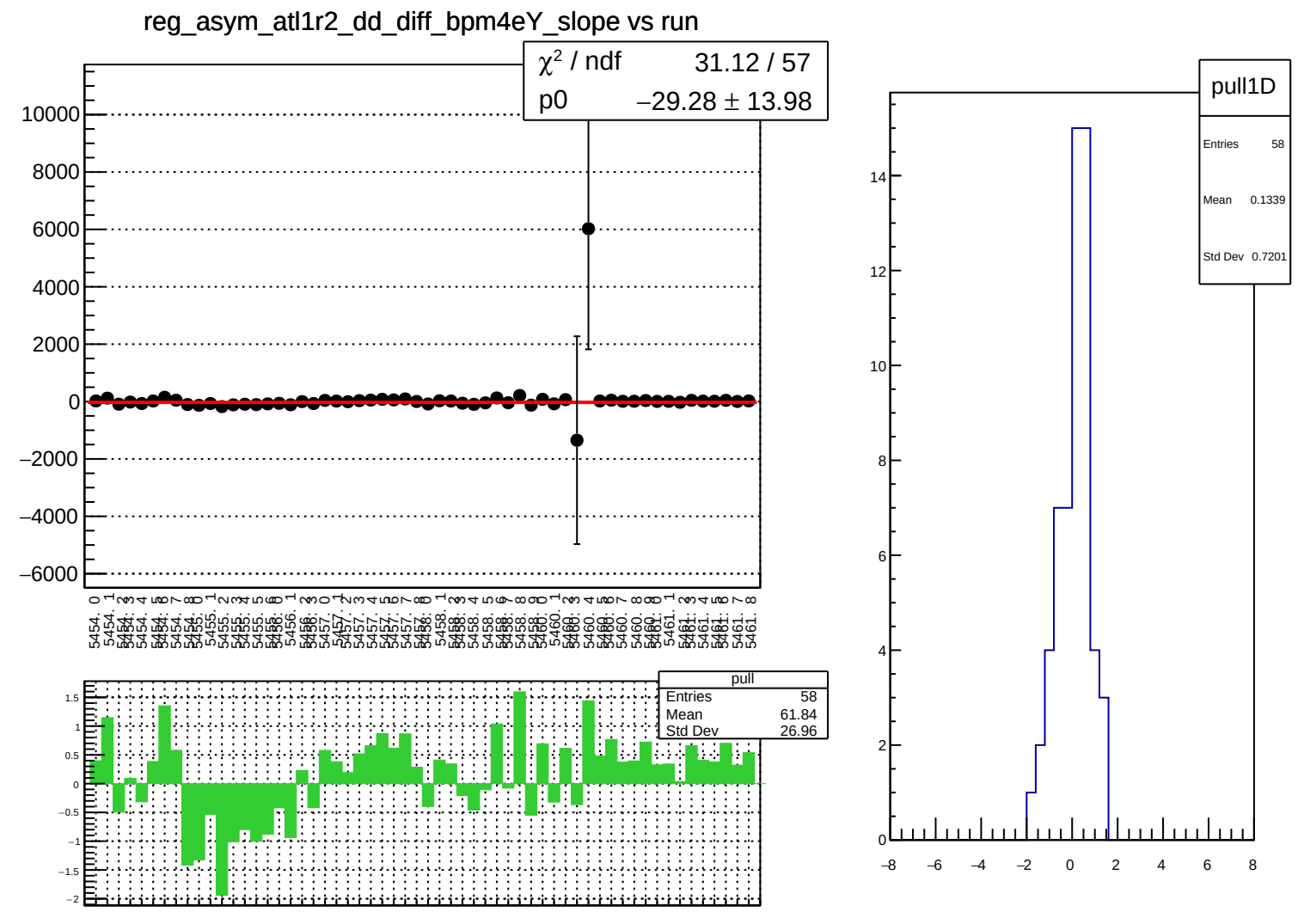

pull1D
Entries 58
Mean 1.264
Std Dev 1.838

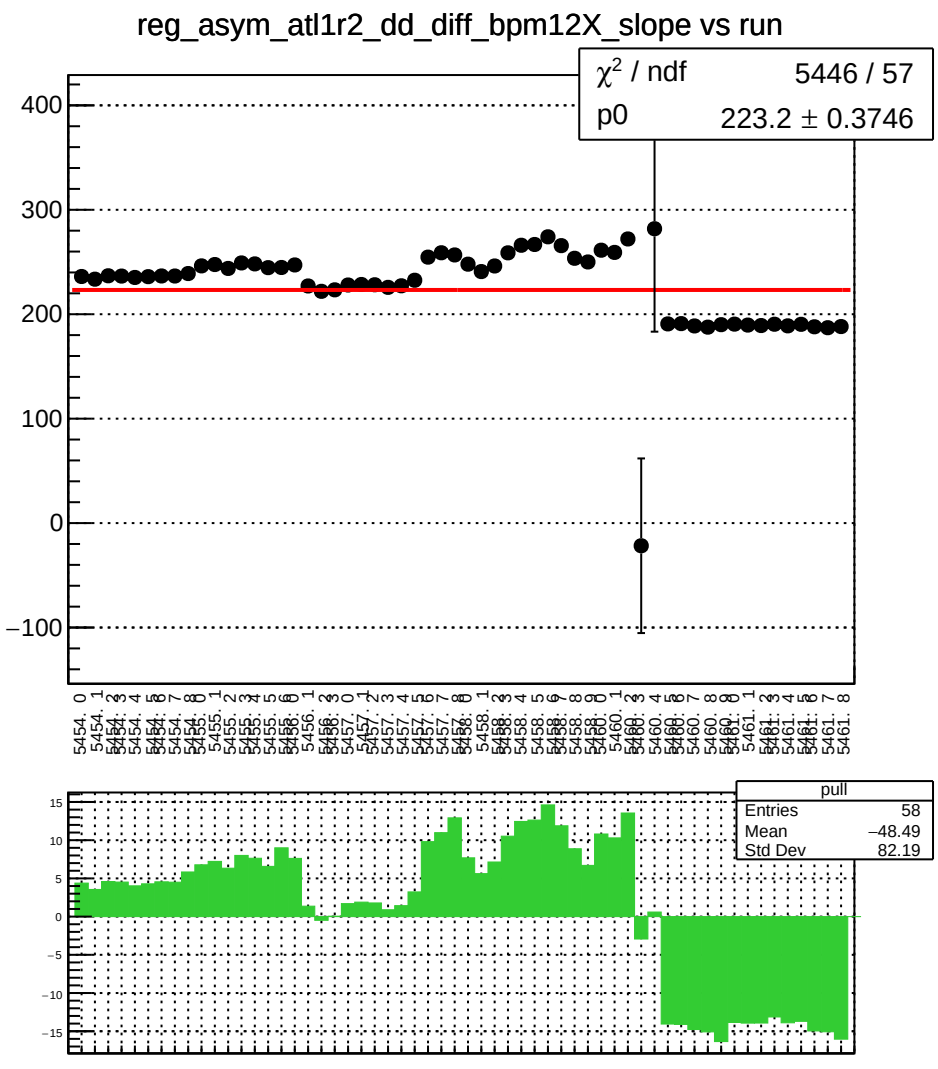

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 16.84 / 57
p0 201.2 ± 16.44
pull
Entries 58
Mean 296.9
Std Dev 263.8

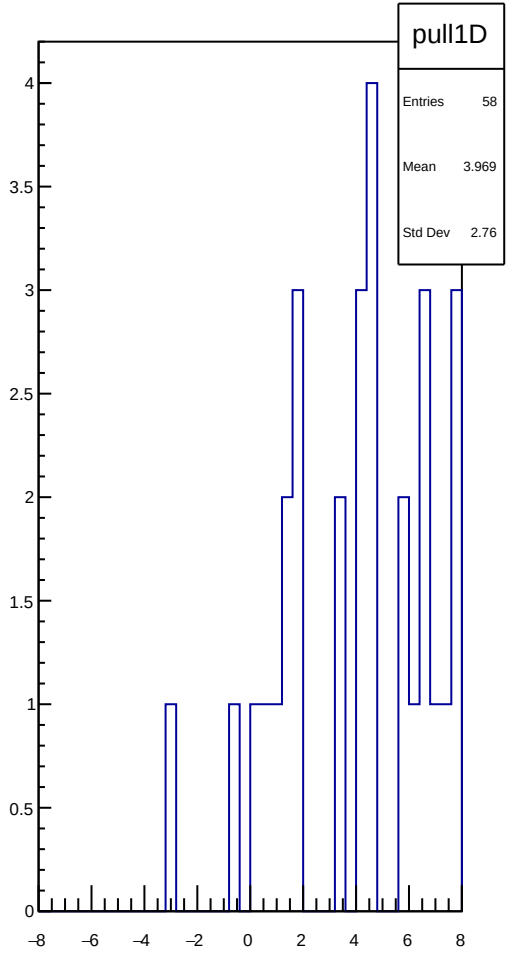

pull1D
Entries 58
Mean −0.0146
Std Dev 0.5386

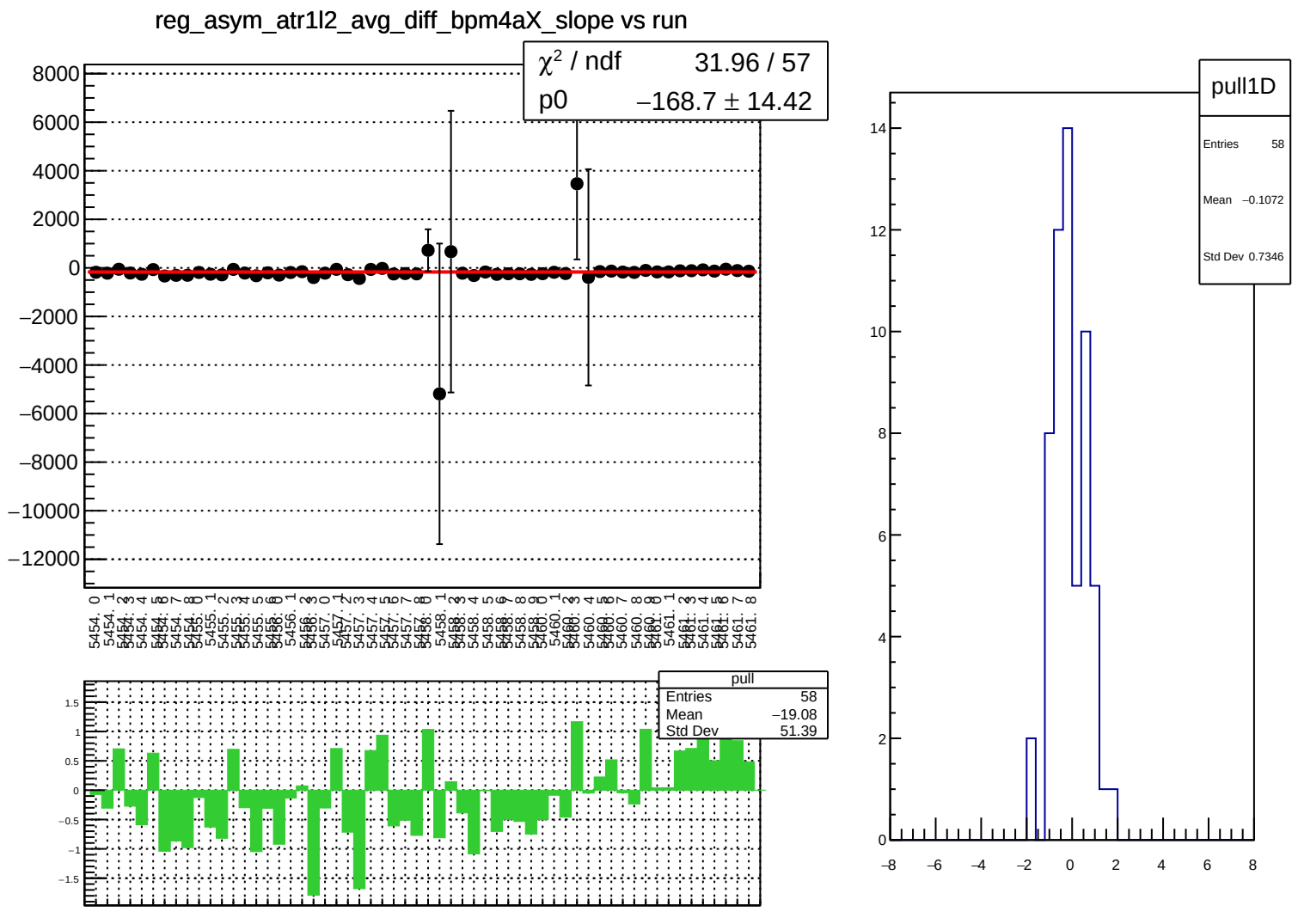

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.28 / 57
p0 −84.21 ± 11.47
pull
Entries 58
Mean 46.01
Std Dev 8.388
pull1D
Entries 58
Mean −0.1659
Std Dev 0.7154

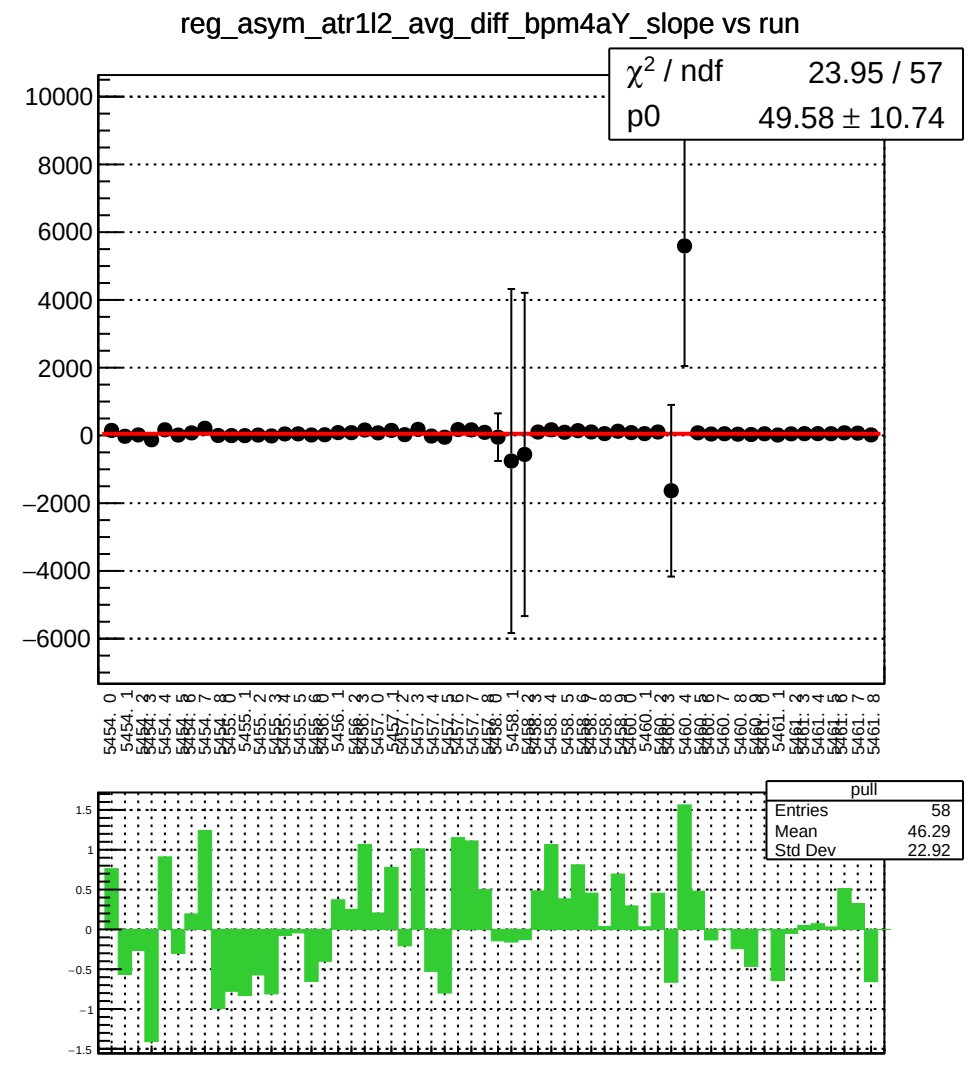

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.77 / 57
p0 −290.5 ± 15.87
pull
Entries 58
Mean 357.2
Std Dev 323.8
pull1D
Entries 58
Mean 0.01201
Std Dev 0.5535

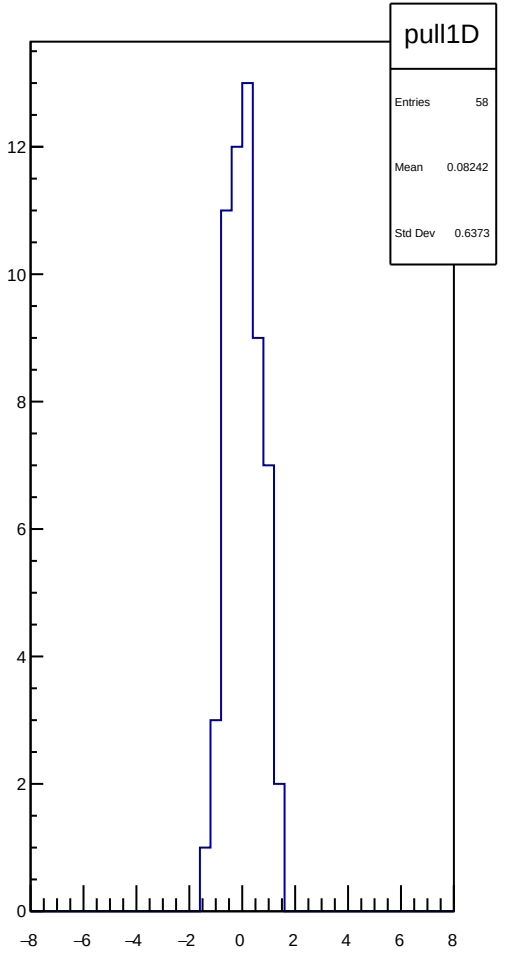

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.12 / 57
p0 −29.28 ± 13.98
pull
Entries 58
Mean 61.84
Std Dev 26.96
pull1D
Entries 58
Mean 0.1339
Std Dev 0.7201

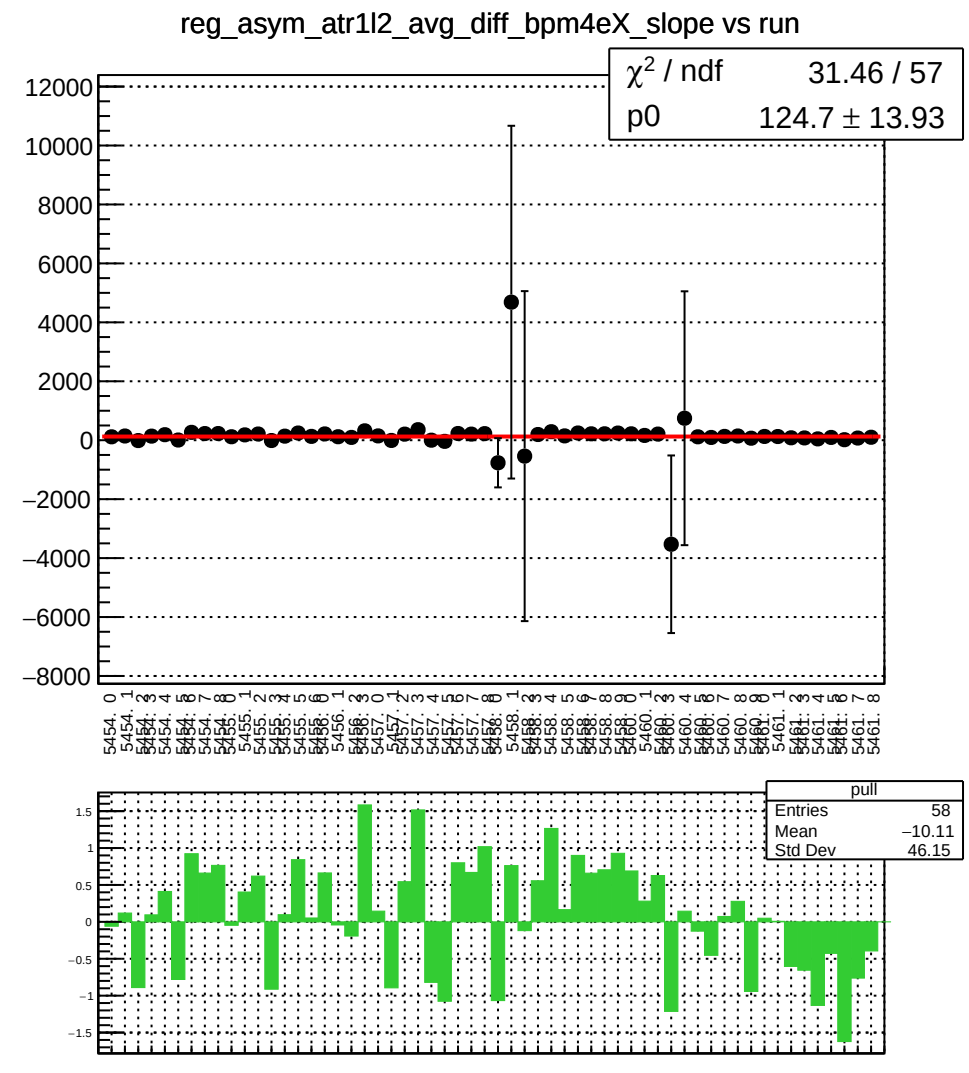

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 5446 / 57
p0 223.2 ± 0.3746
400
300
200
100
0
−100
pull
Entries 58
Mean −48.49
Std Dev 82.19
15
10
5
0
−5
−10
−15

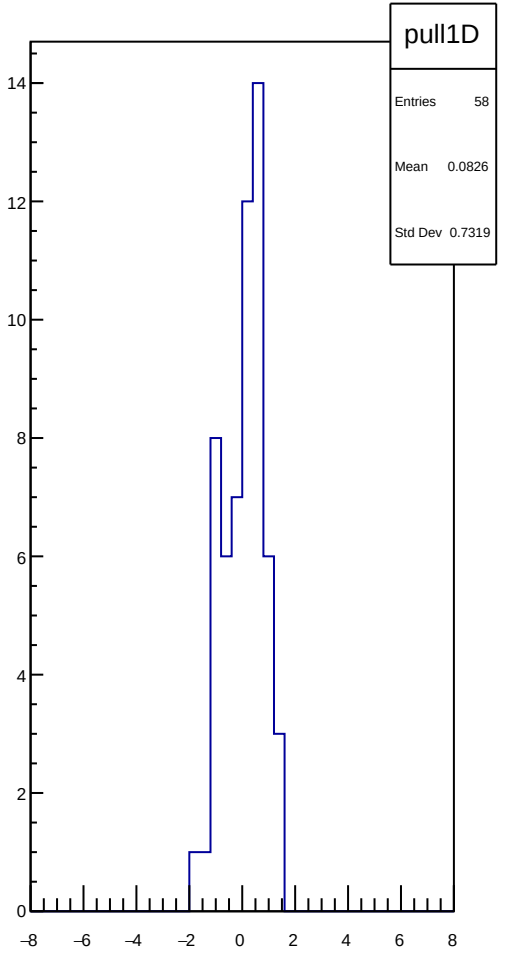

pull1D
Entries 58
Mean 3.969
Std Dev 2.76
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

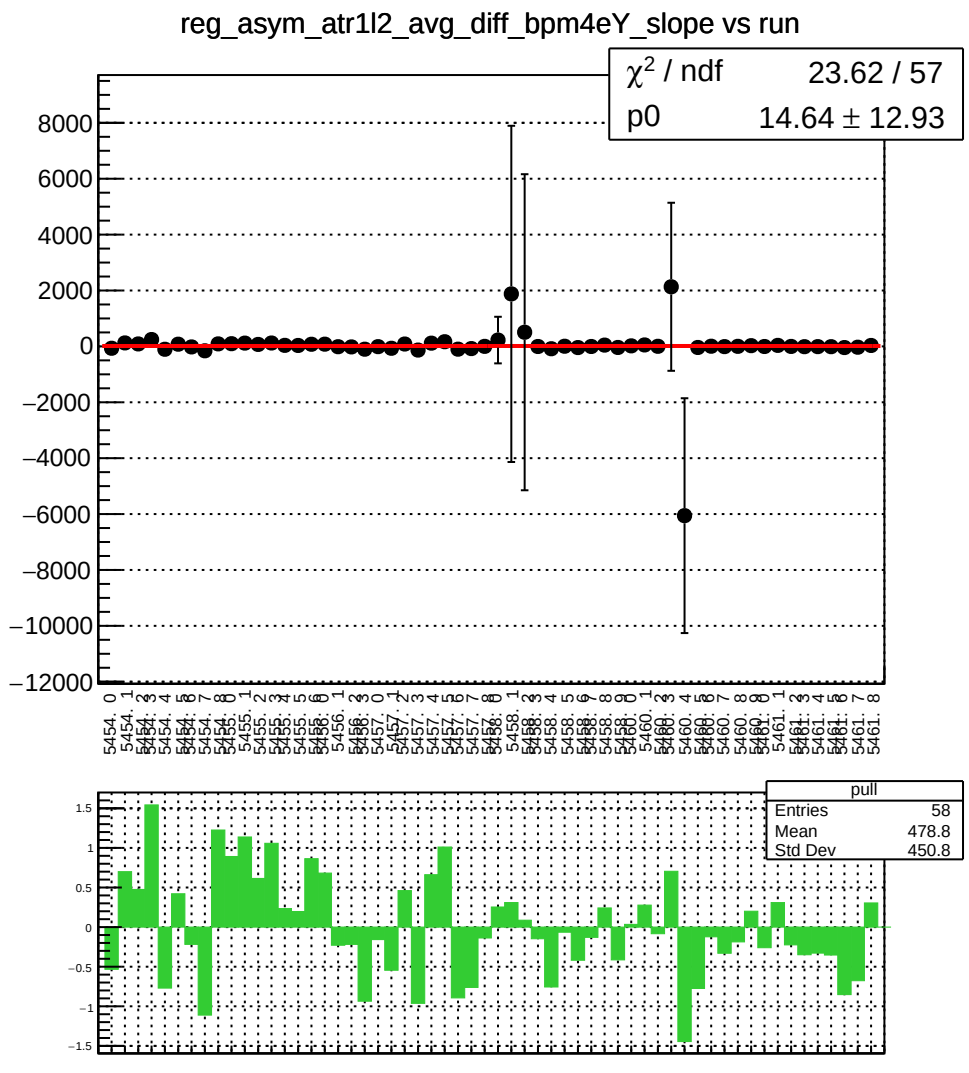

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 31.96 / 57
p0 −168.7 ± 14.42
pull
Entries 58
Mean −19.08
Std Dev 51.39
pull1D
Entries 58
Mean −0.1072
Std Dev 0.7346

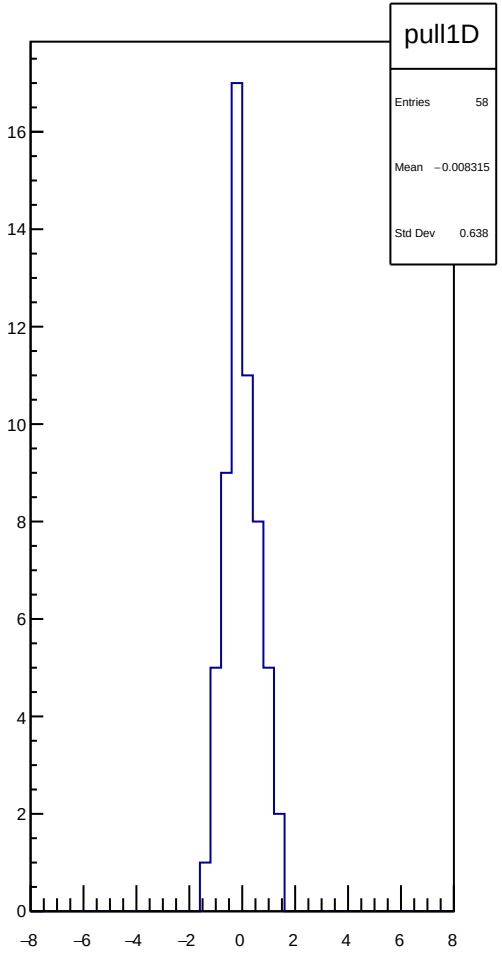

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.95 / 57
p0 49.58 ± 10.74
pull
Entries 58
Mean 46.29
Std Dev 22.92

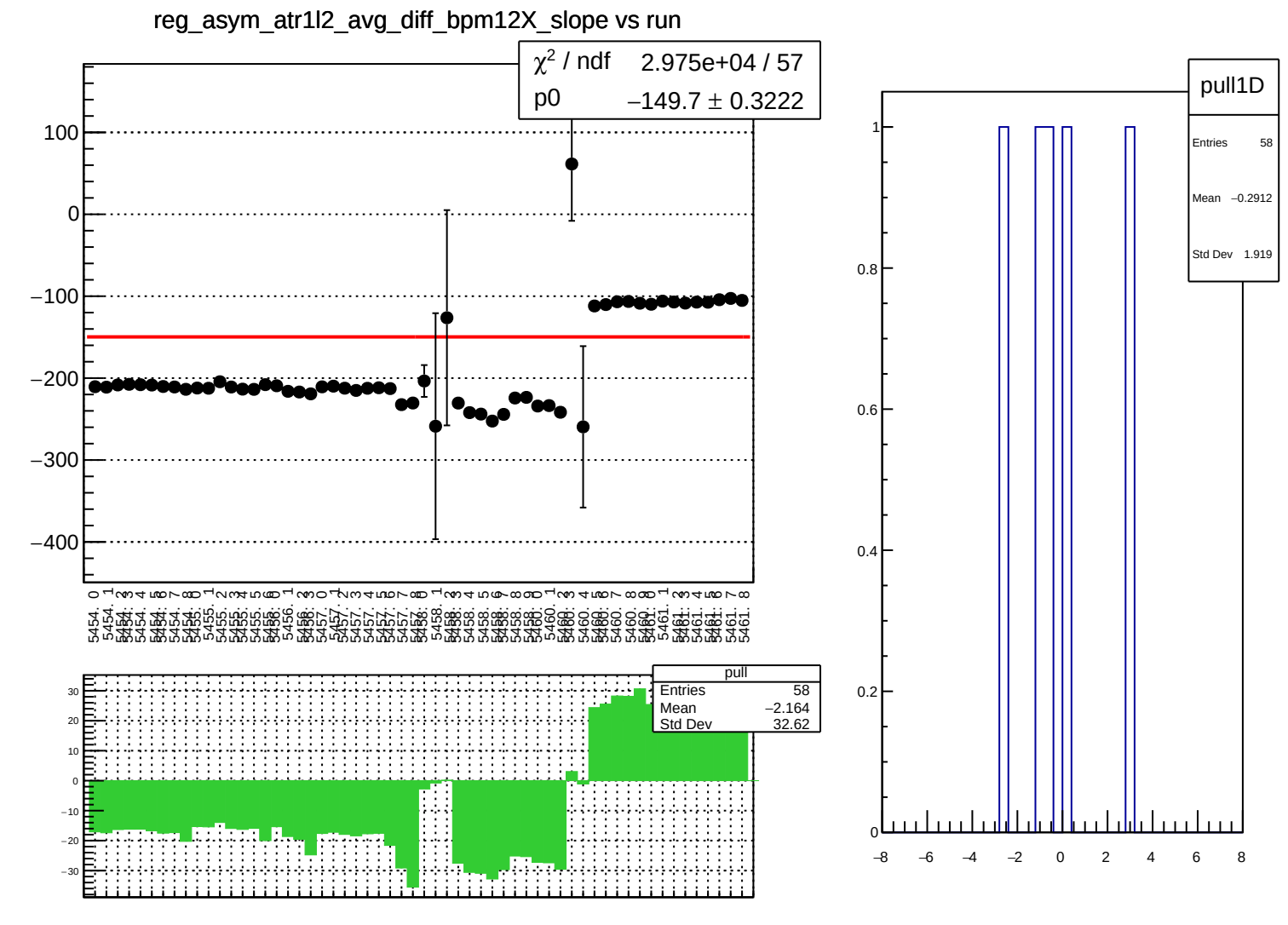

pull1D
Entries 58
Mean 0.08242
Std Dev 0.6373

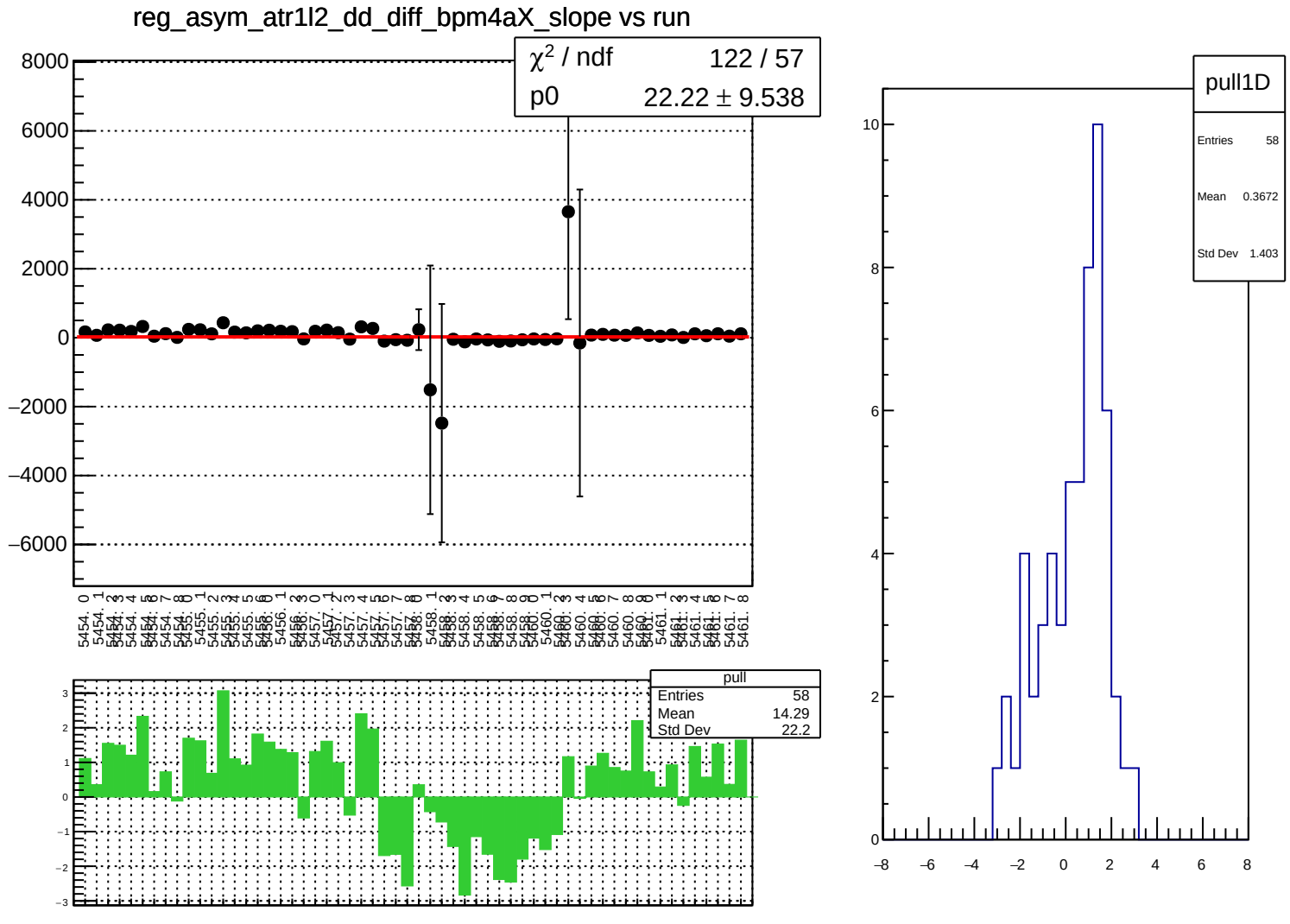

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.46 / 57
p0 124.7 ± 13.93
pull
Entries 58
Mean −10.11
Std Dev 46.15

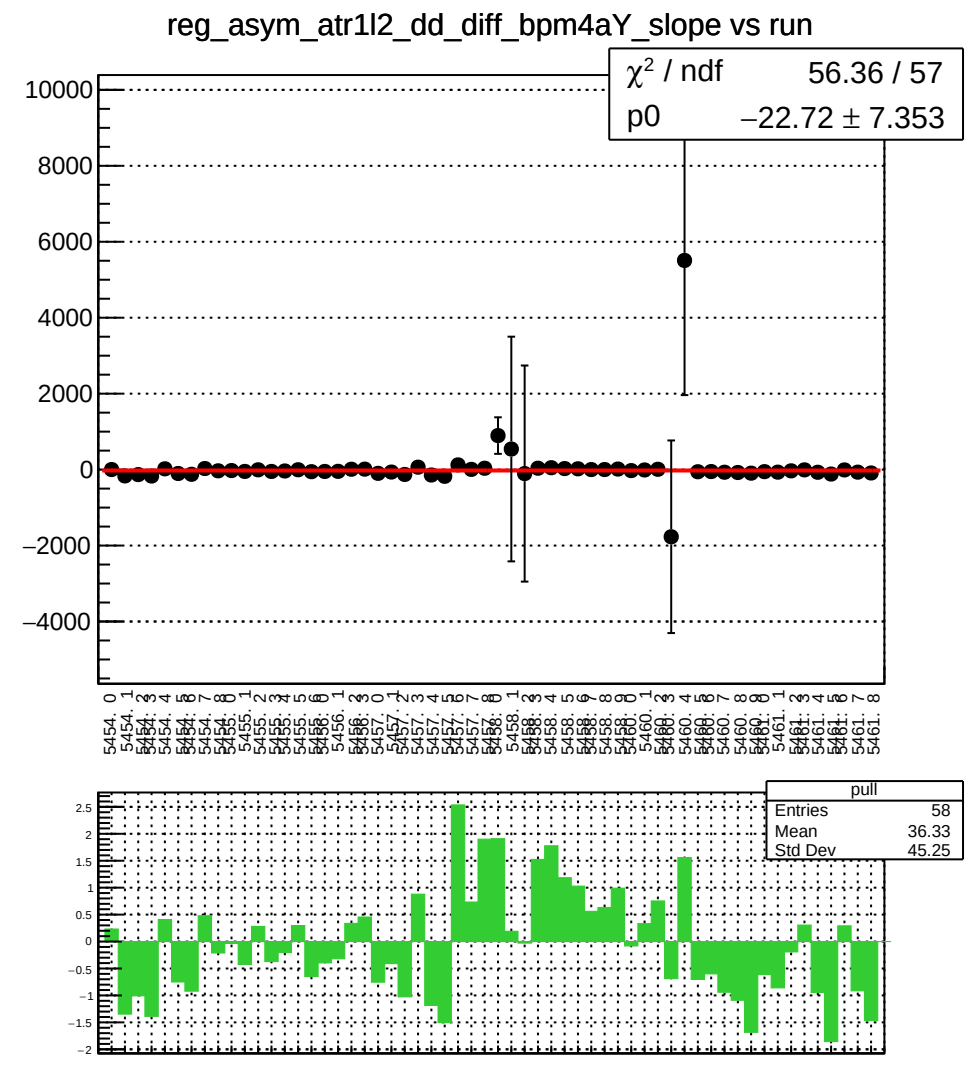

pull1D
Entries 58
Mean 0.0826
Std Dev 0.7319

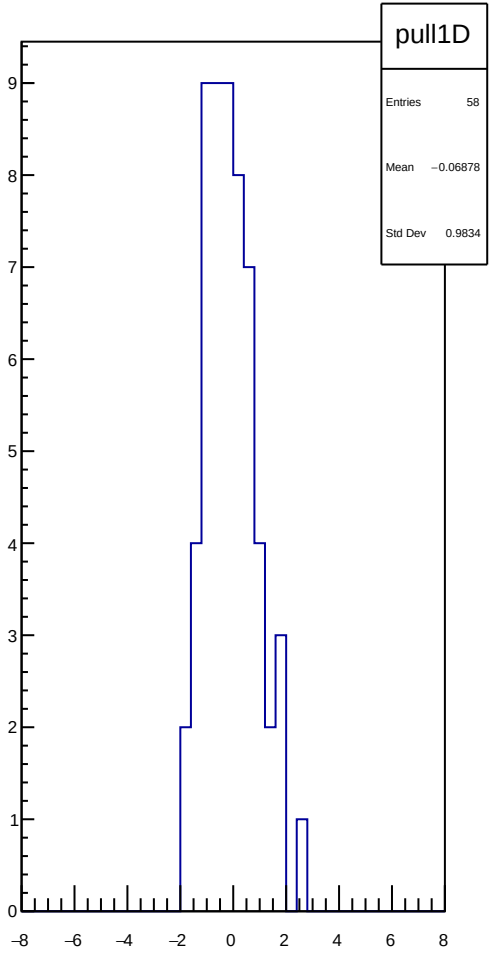

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.62 / 57
p0 14.64 ± 12.93
pull
Entries 58
Mean 478.8
Std Dev 450.8

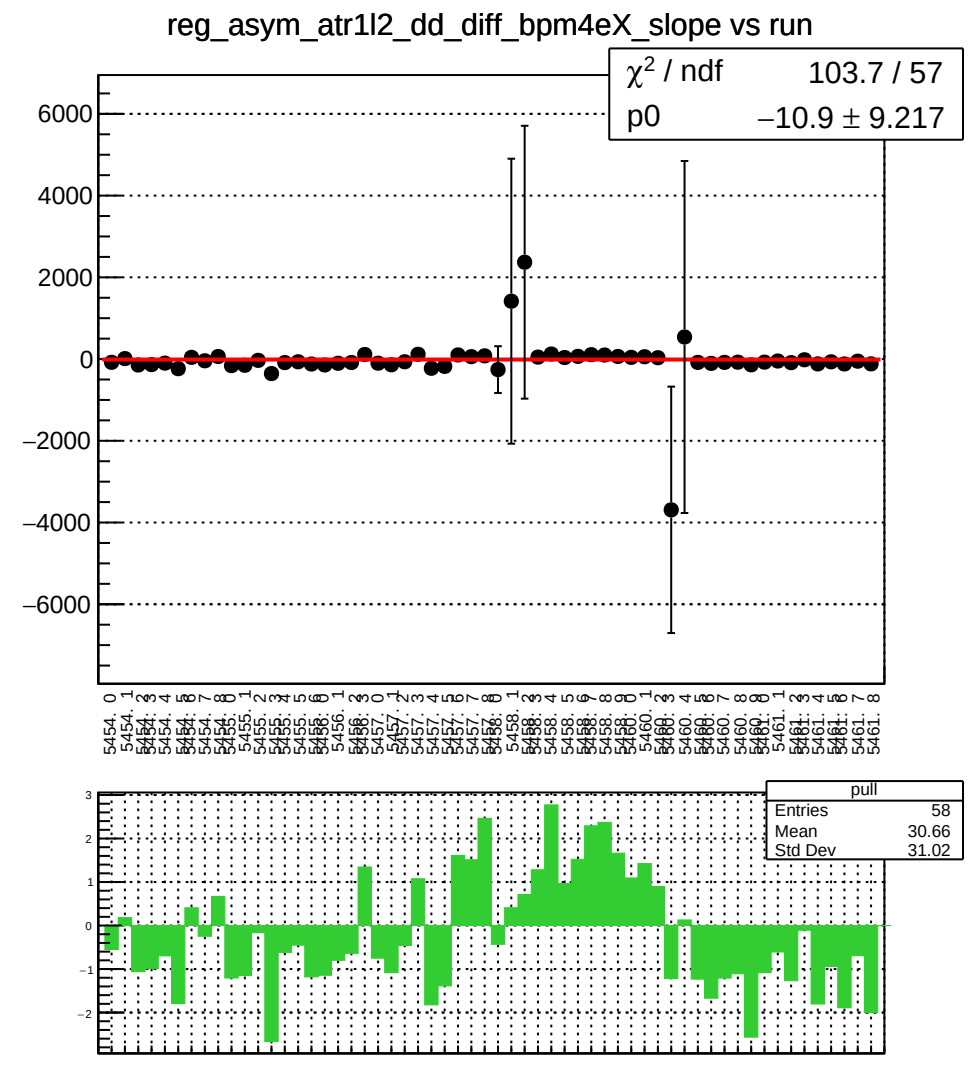

pull1D
Entries 58
Mean −0.008315
Std Dev 0.638

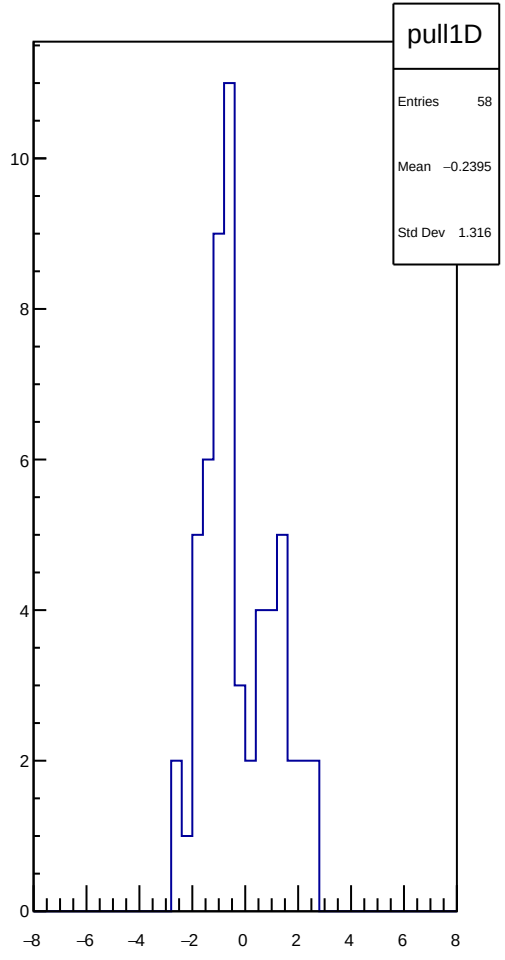

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 2.975e+04 / 57
p0 −149.7 ± 0.3222
pull
Entries 58
Mean −2.164
Std Dev 32.62
pull1D
Entries 58
Mean −0.2912
Std Dev 1.919

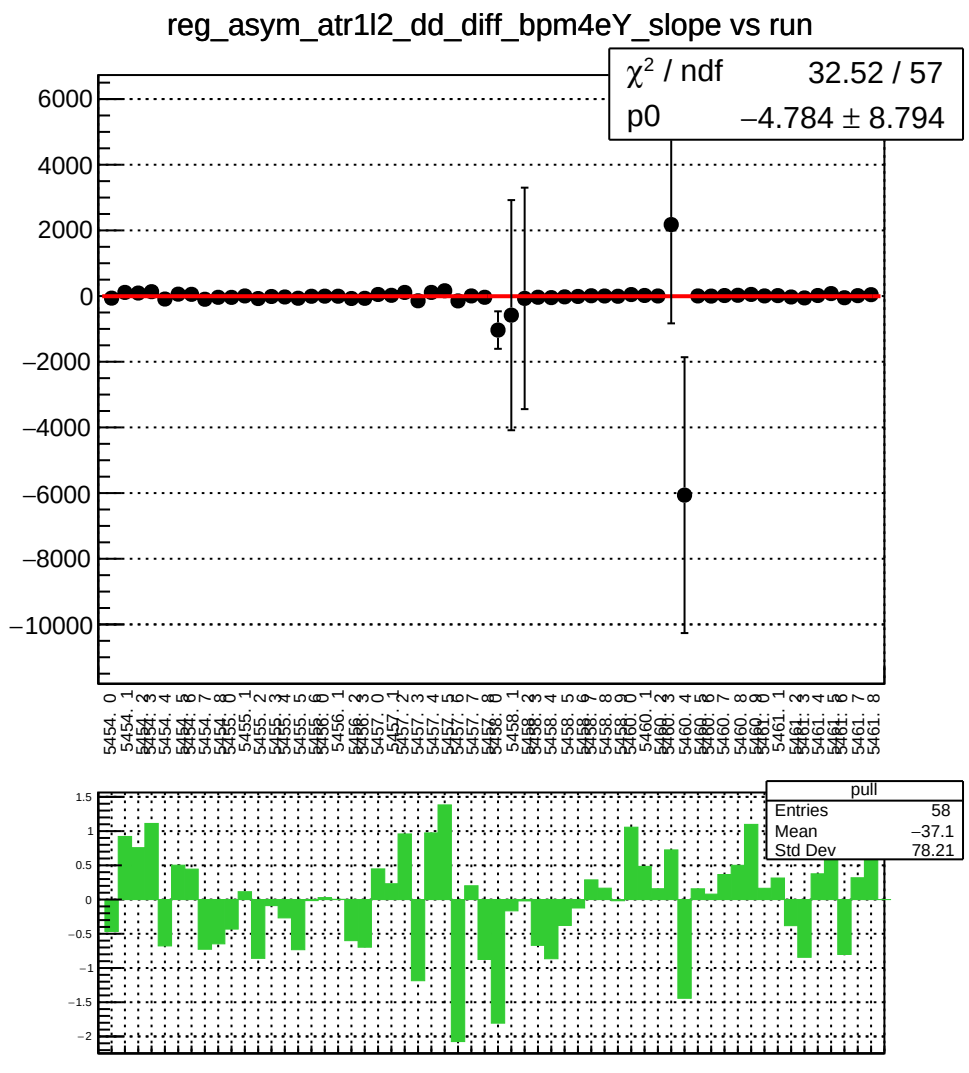

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 122 / 57
p0 22.22 ± 9.538
pull
Entries 58
Mean 14.29
Std Dev 22.2
pull1D
Entries 58
Mean 0.3672
Std Dev 1.403

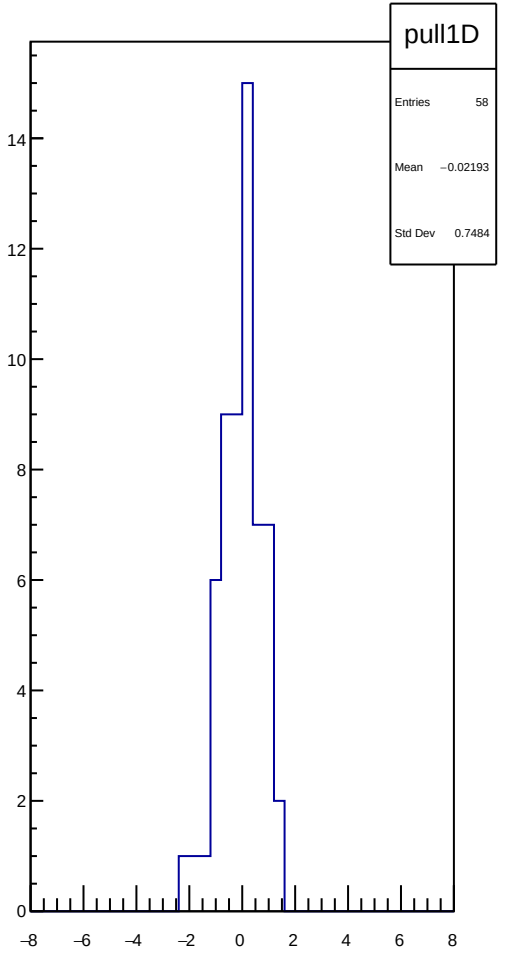

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.36 / 57
p0 −22.72 ± 7.353
pull
Entries 58
Mean 36.33
Std Dev 45.25

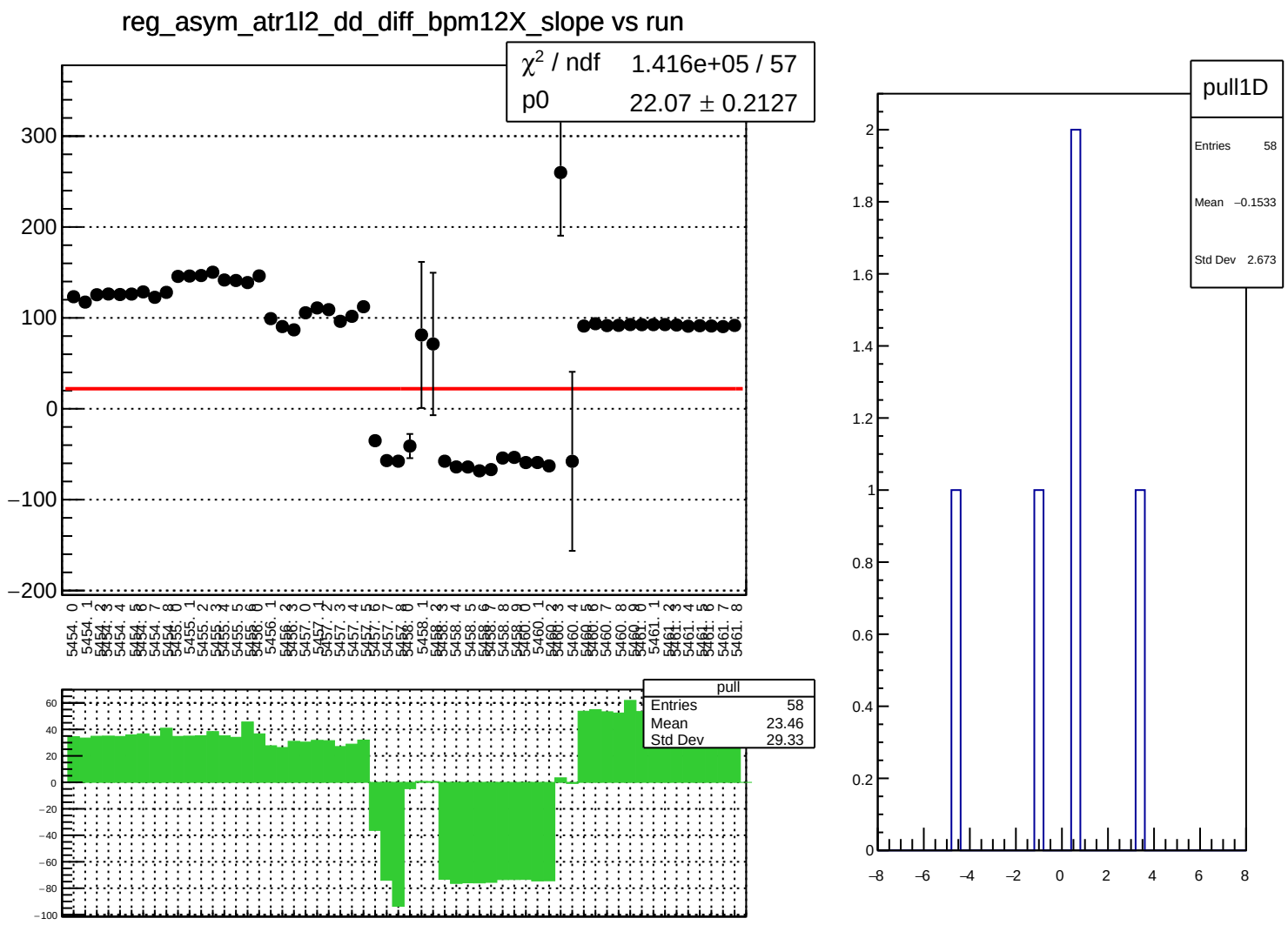

pull1D
Entries 58
Mean −0.06878
Std Dev 0.9834

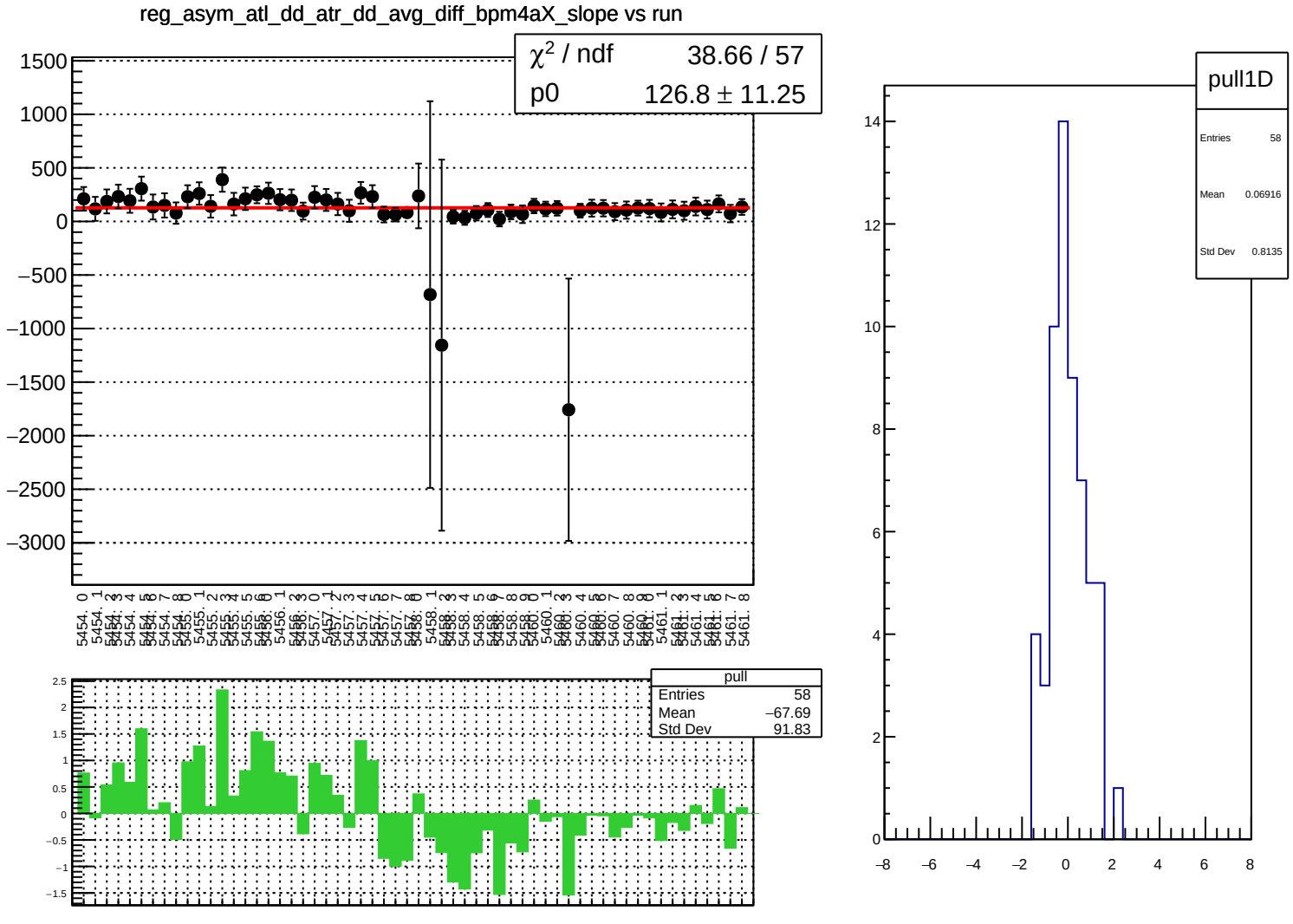

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 103.7 / 57
p0 −10.9 ± 9.217
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 58
Mean 30.66
Std Dev 31.02
3
2
1
0
−1
−2

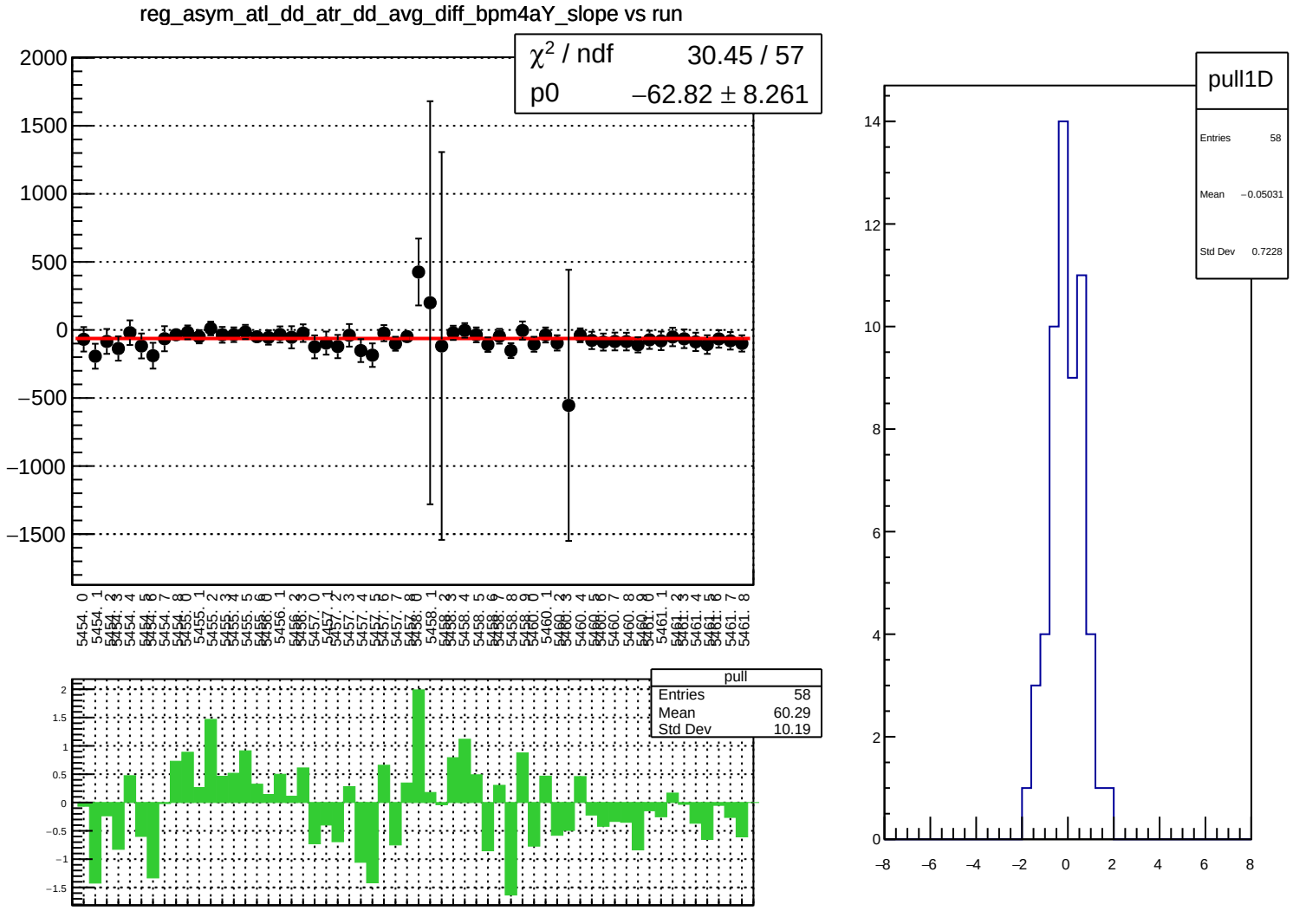

pull1D
Entries 58
Mean −0.2395
Std Dev 1.316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

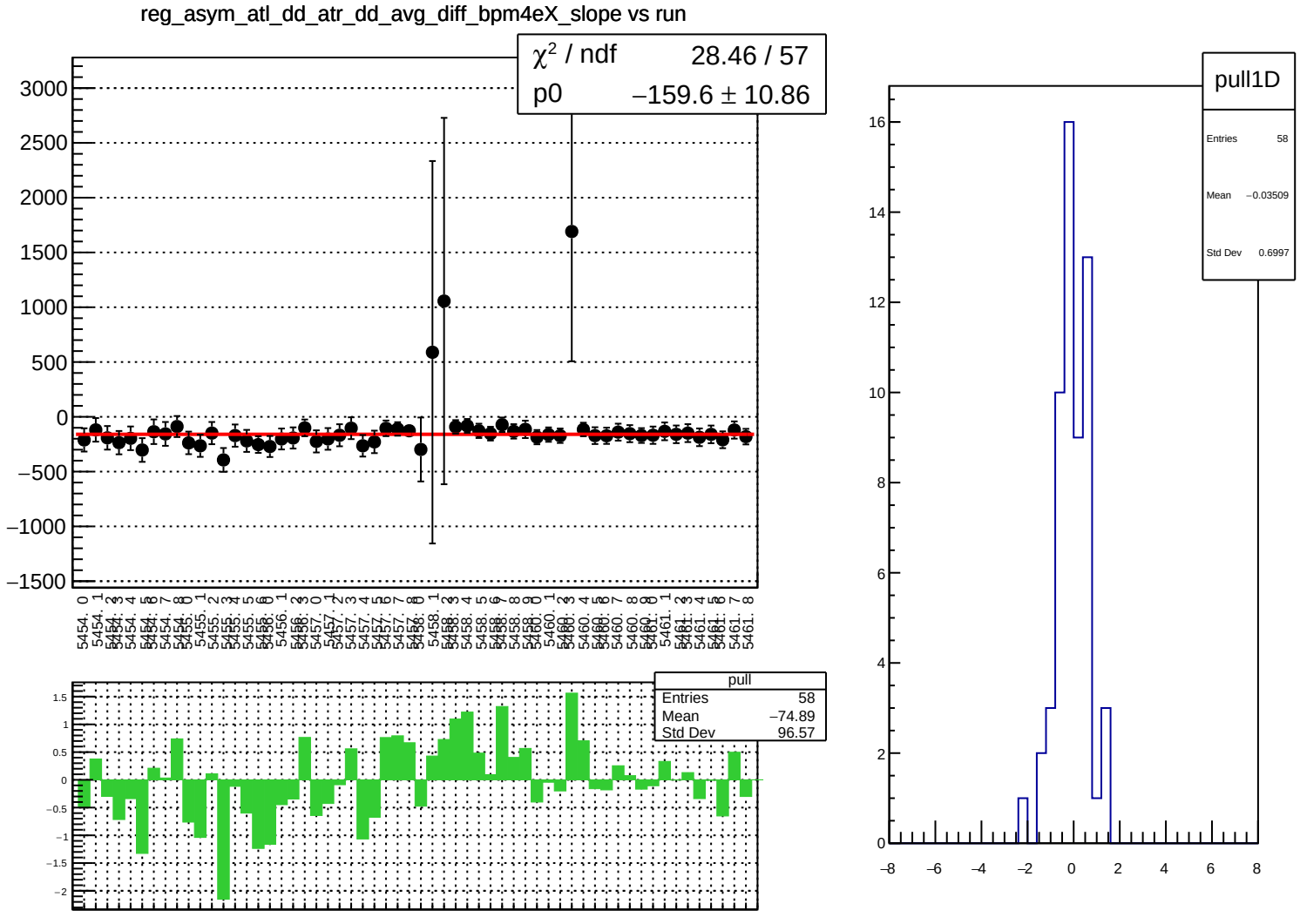

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.52 / 57
p0 −4.784 ± 8.794
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 58
Mean −37.1
Std Dev 78.21
1.5
1
0.5
0
−0.5
−1
−1.5
−2

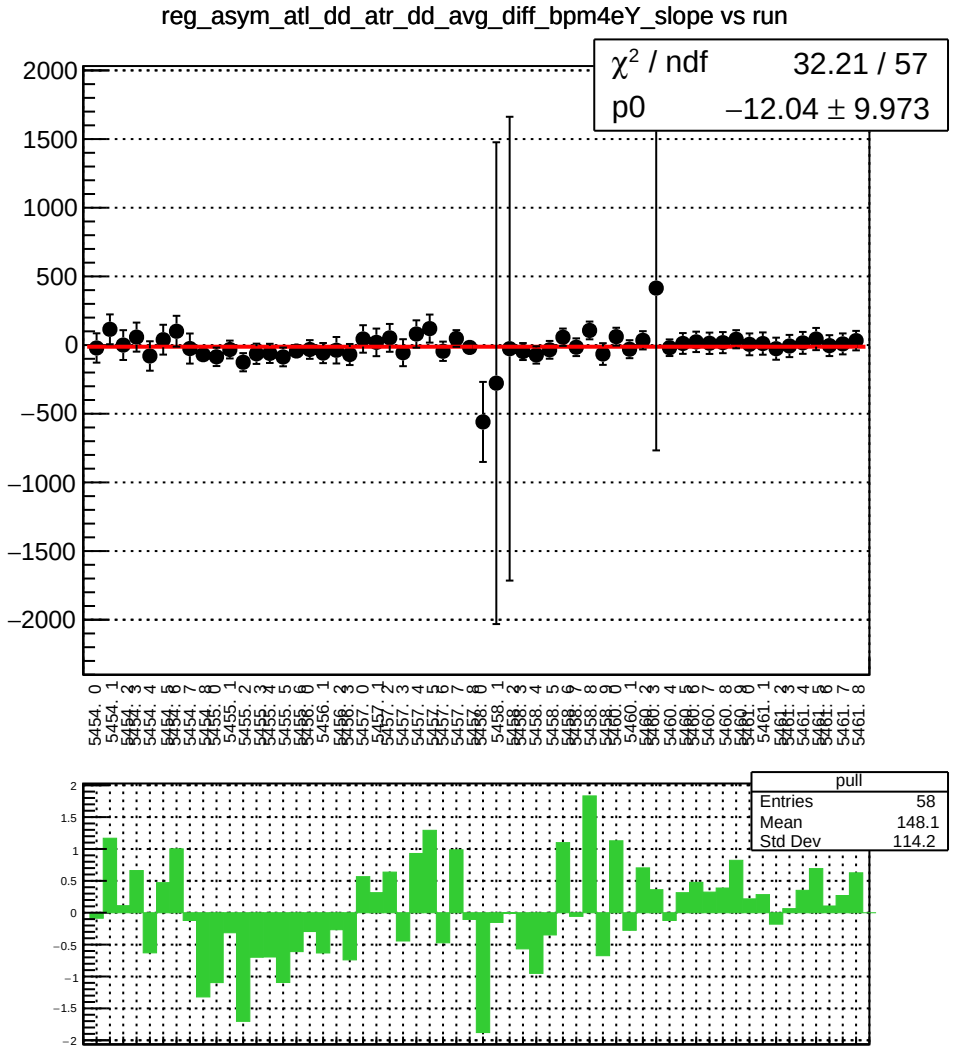

pull1D
Entries 58
Mean −0.02193
Std Dev 0.7484
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

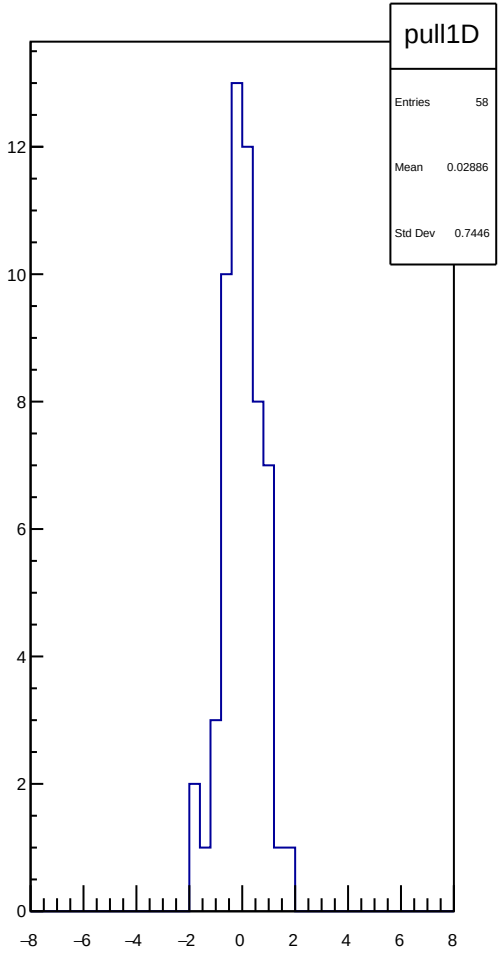

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 1.416e+05 / 57
p0 22.07 ± 0.2127
pull
Entries 58
Mean 23.46
Std Dev 29.33
pull1D
Entries 58
Mean −0.1533
Std Dev 2.673

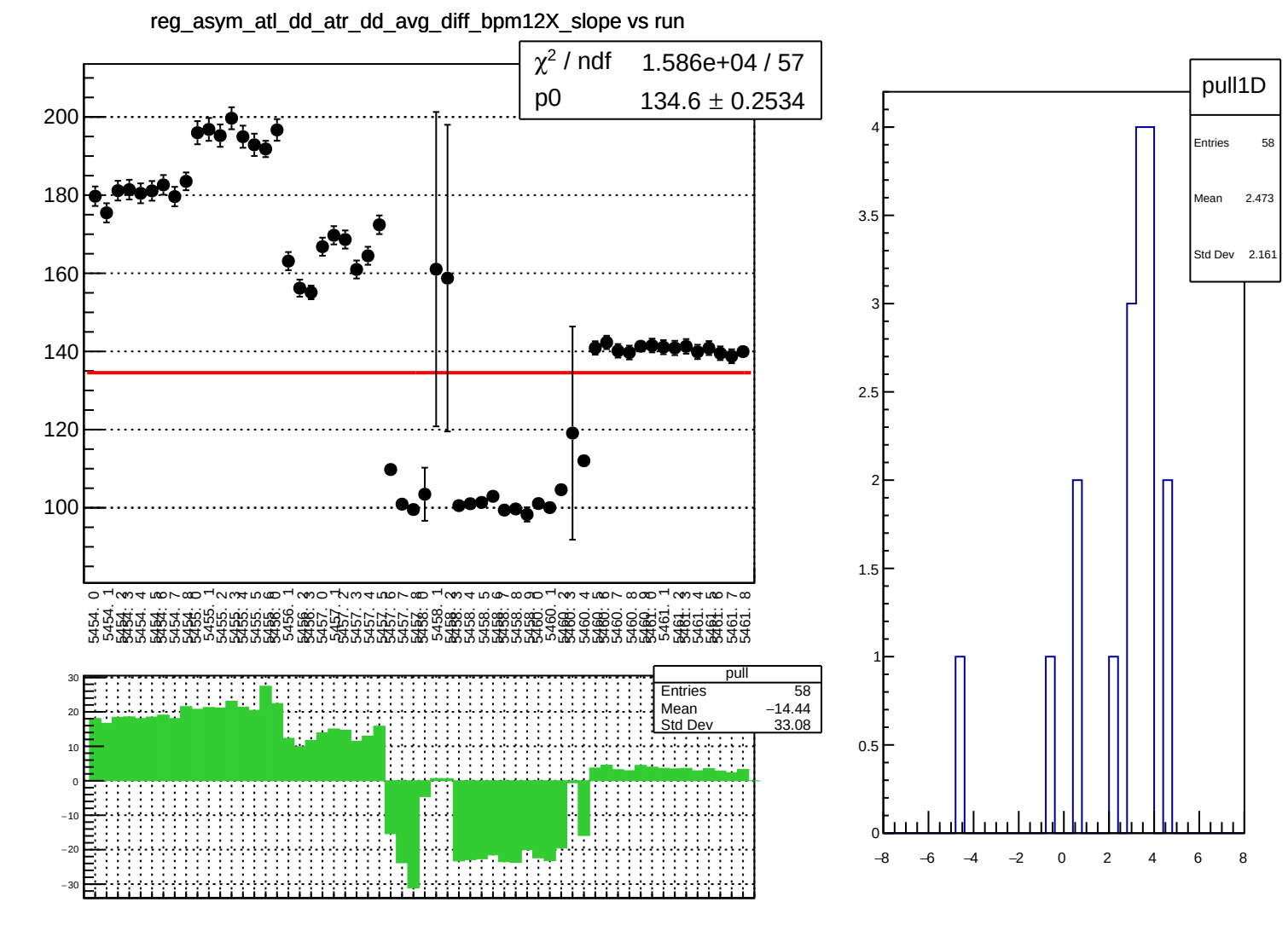

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 38.66 / 57
p0 126.8 ± 11.25
pull
Entries 58
Mean −67.69
Std Dev 91.83
pull1D
Entries 58
Mean 0.06916
Std Dev 0.8135

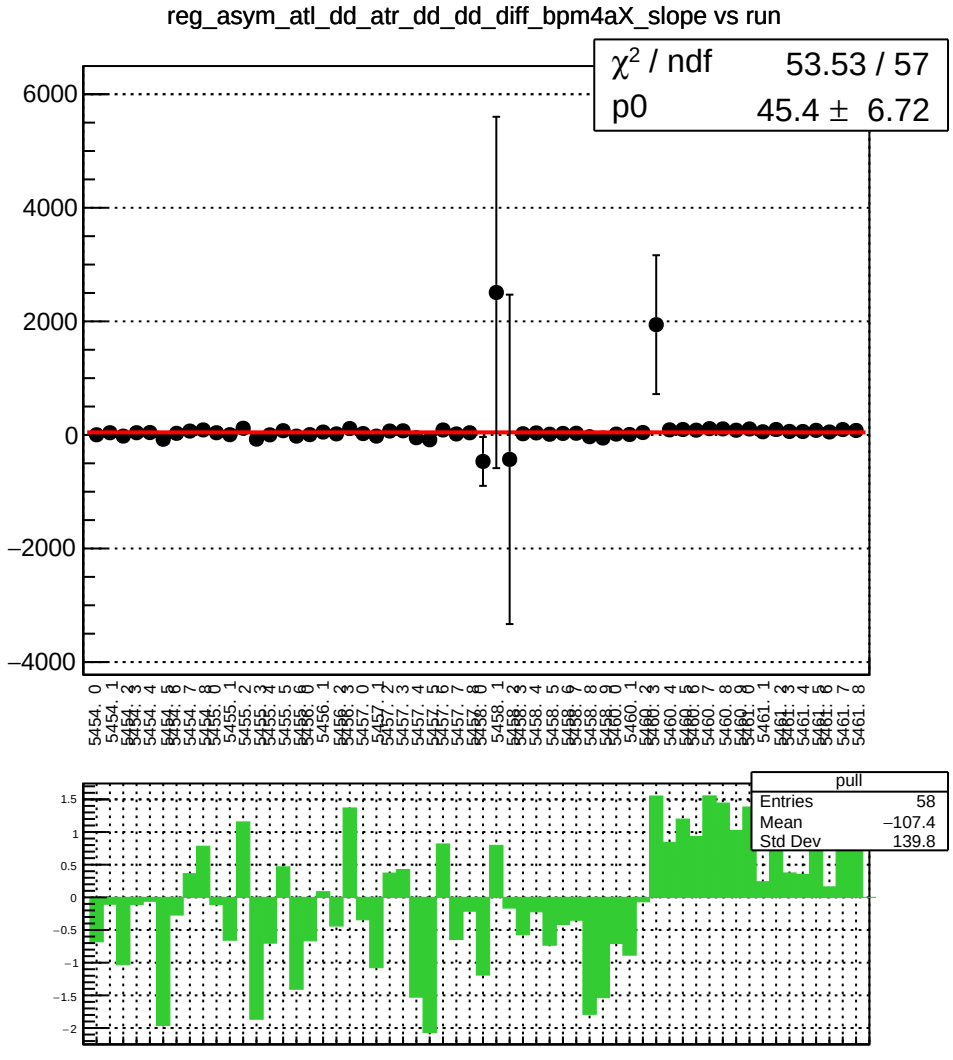

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.45 / 57
p0 −62.82 ± 8.261
pull
Entries 58
Mean 60.29
Std Dev 10.19
pull1D
Entries 58
Mean −0.05031
Std Dev 0.7228

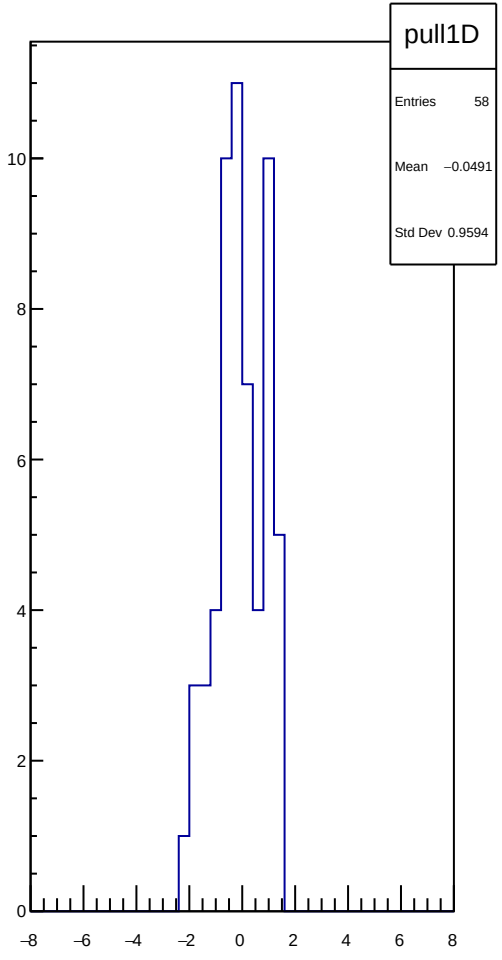

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.46 / 57
p0 −159.6 ± 10.86
pull
Entries 58
Mean −74.89
Std Dev 96.57
pull1D
Entries 58
Mean −0.03509
Std Dev 0.6997

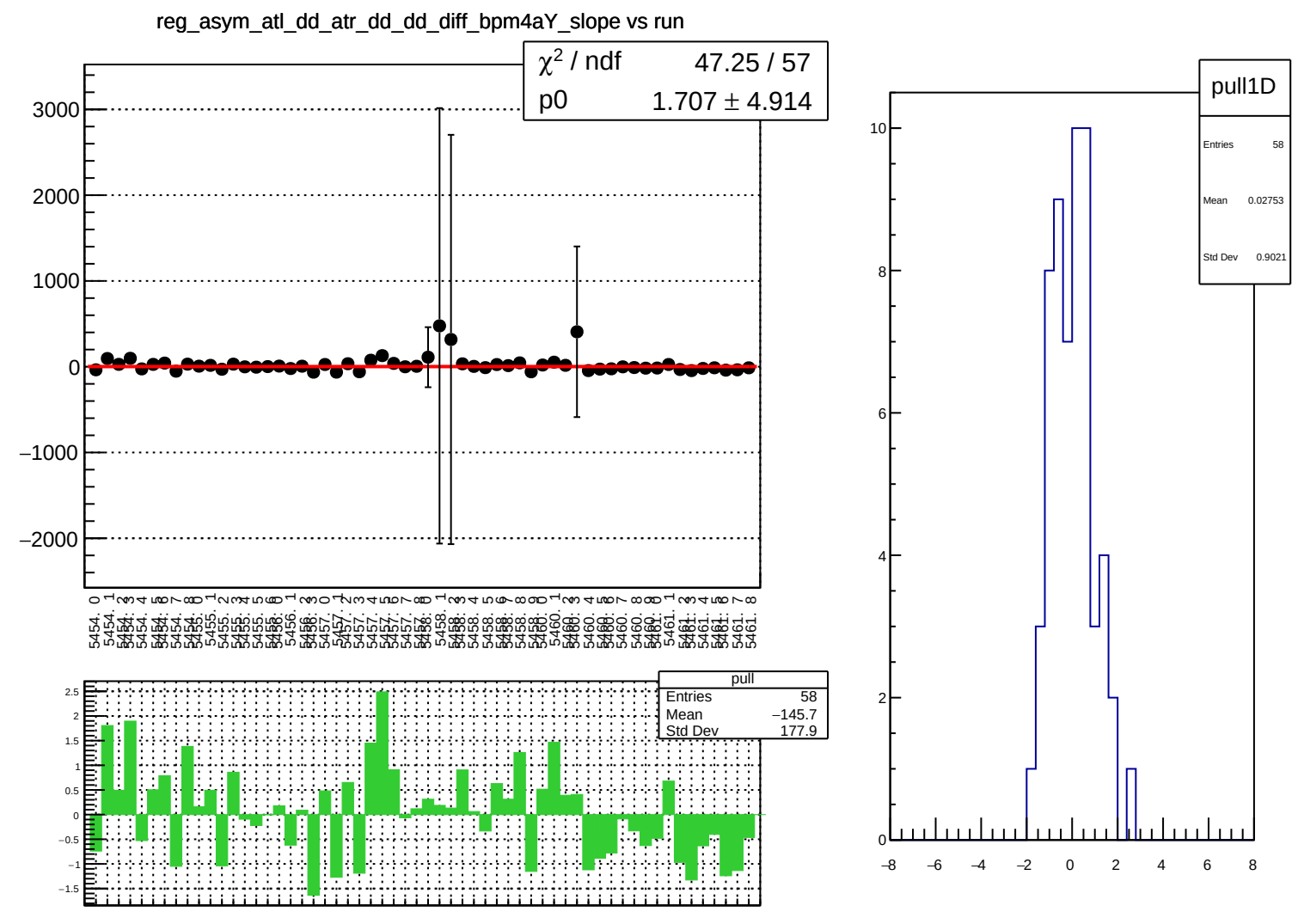

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.21 / 57
p0 −12.04 ± 9.973
pull
Entries 58
Mean 148.1
Std Dev 114.2

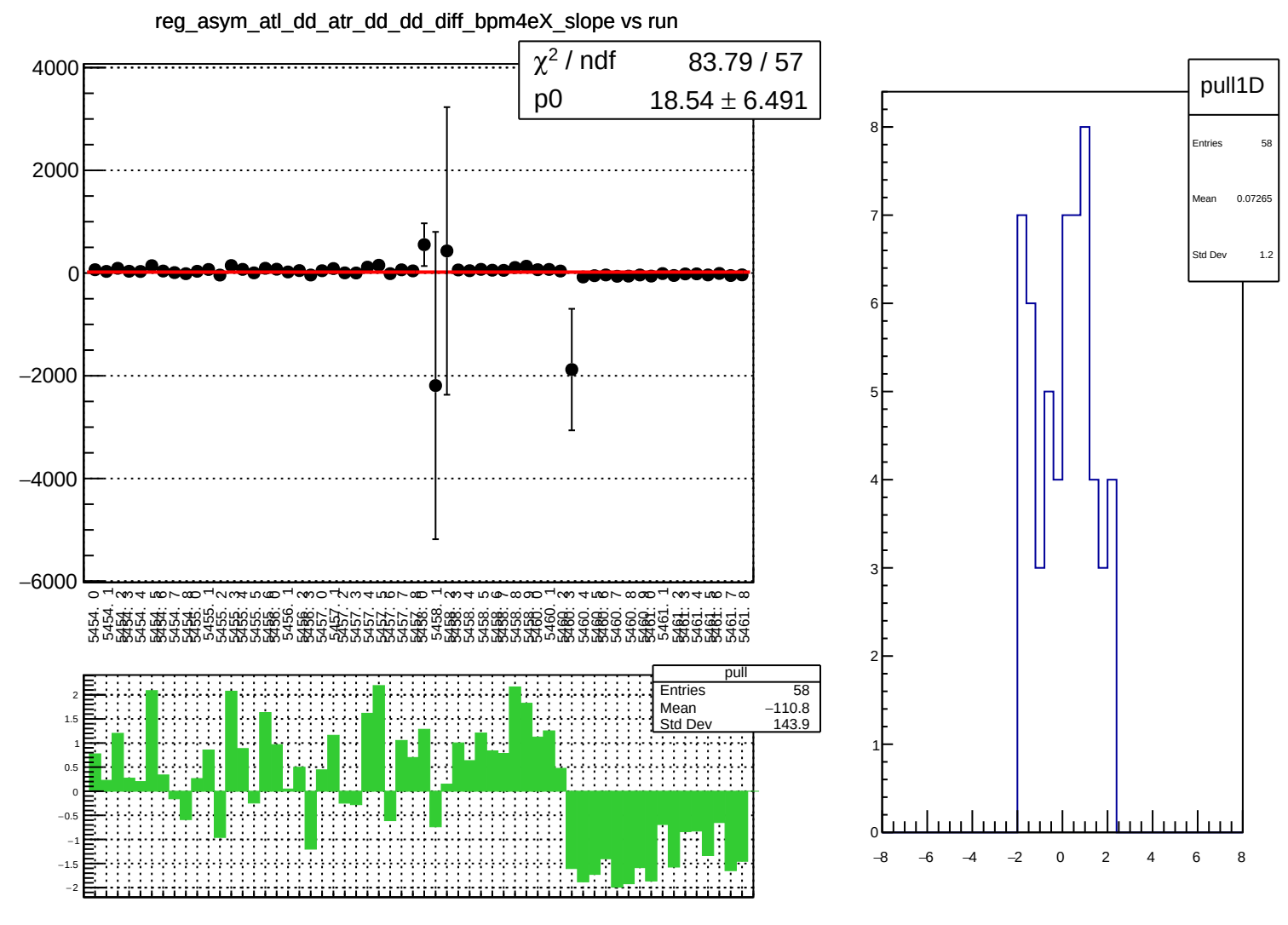

pull1D
Entries 58
Mean 0.02886
Std Dev 0.7446

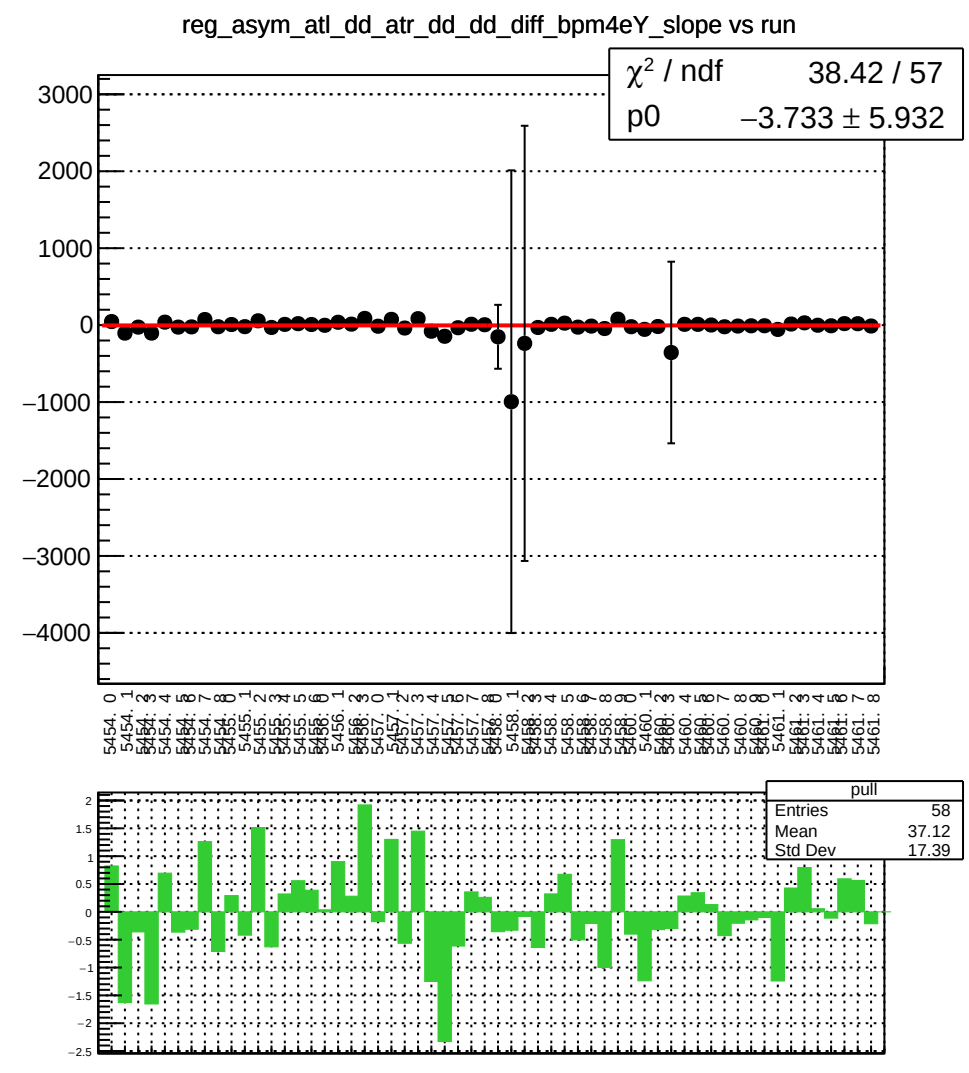

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1.586e+04 / 57
p0 134.6 ± 0.2534
pull
Entries 58
Mean −14.44
Std Dev 33.08
pull1D
Entries 58
Mean 2.473
Std Dev 2.161

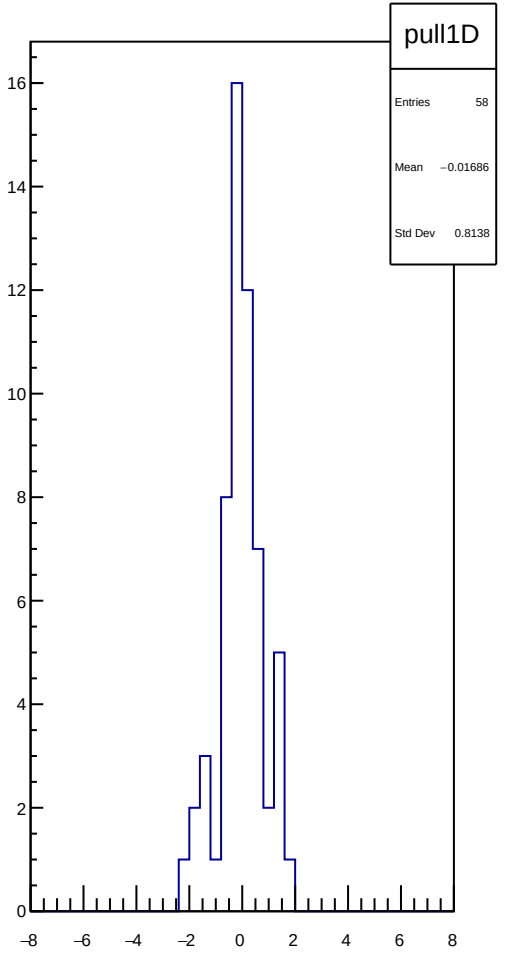

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 53.53 / 57
p0 45.4 ± 6.72
pull
Entries 58
Mean −107.4
Std Dev 139.8

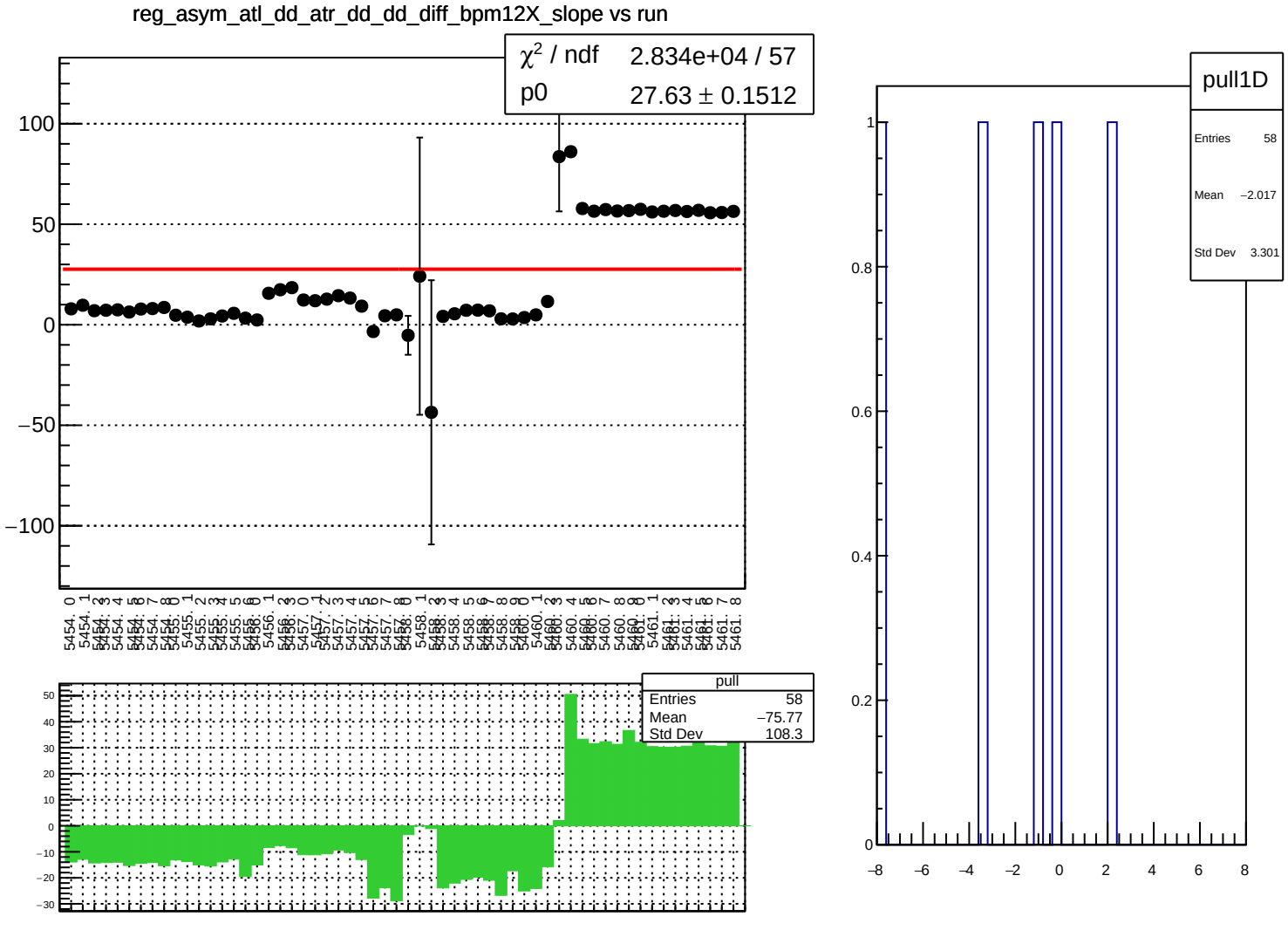

pull1D
Entries 58
Mean −0.0491
Std Dev 0.9594

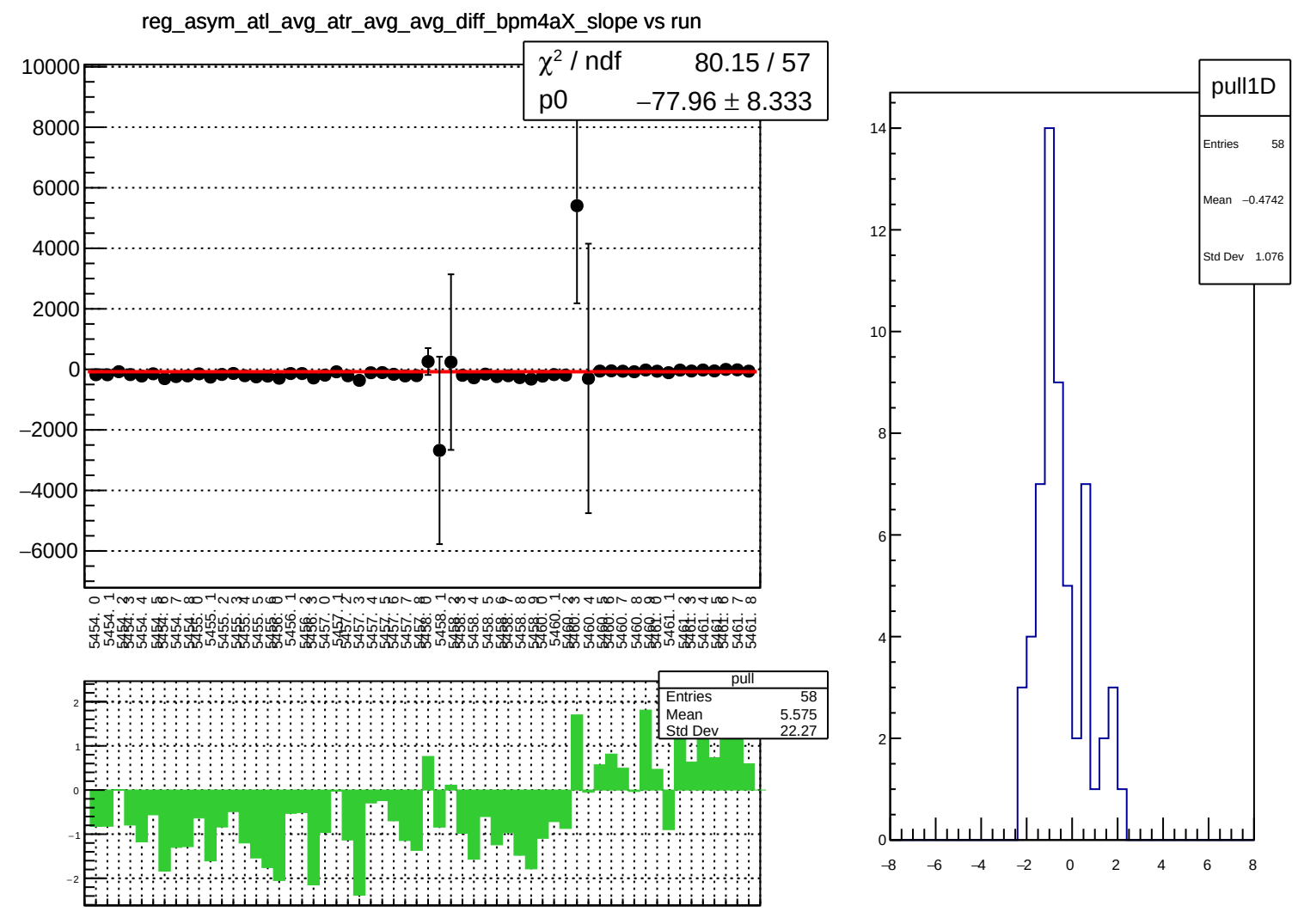

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.25 / 57
p0 1.707 ± 4.914
pull
Entries 58
Mean −145.7
Std Dev 177.9
pull1D
Entries 58
Mean 0.02753
Std Dev 0.9021

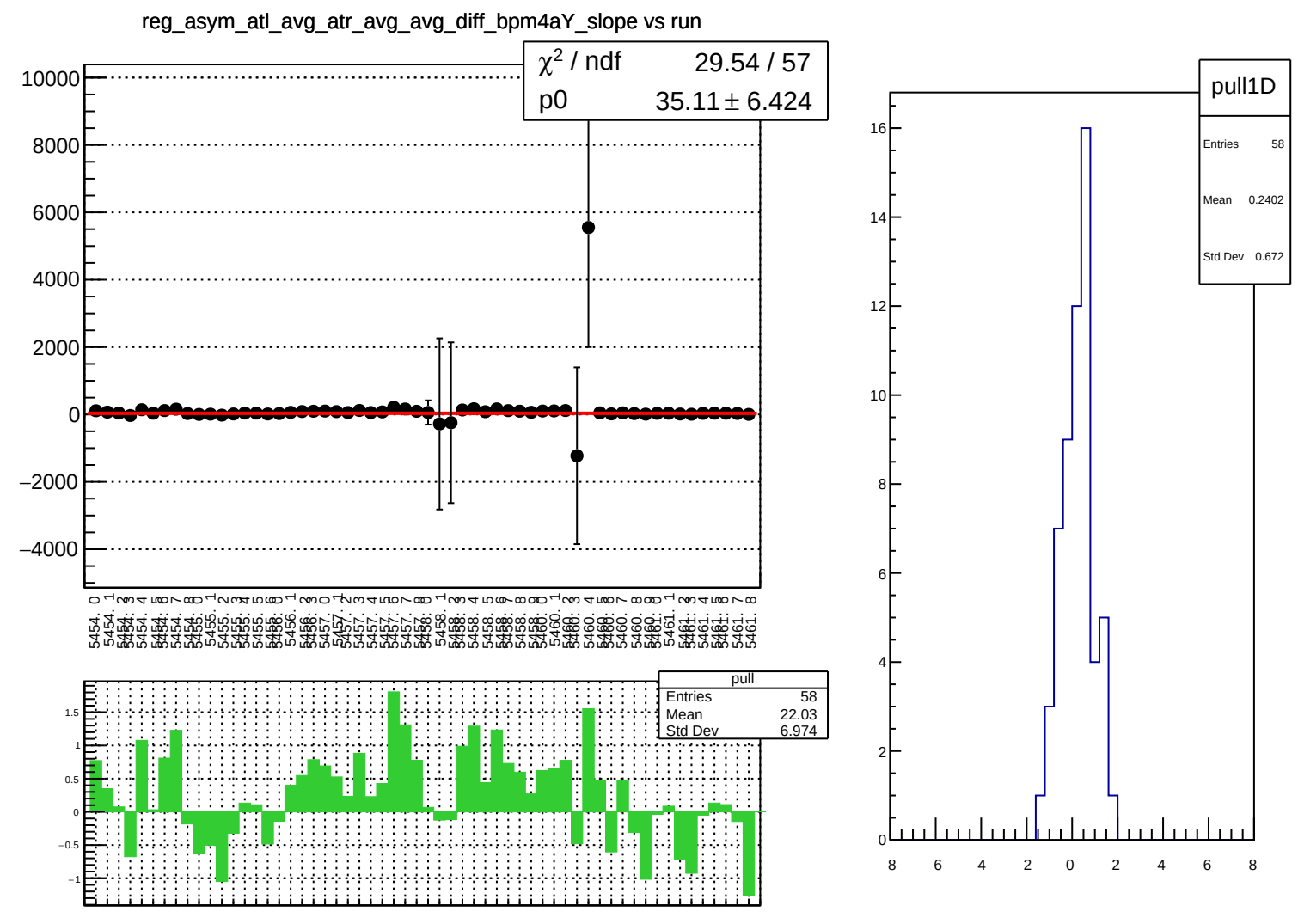

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.79 / 57
p0 18.54 ± 6.491
pull
Entries 58
Mean −110.8
Std Dev 143.9
pull1D
Entries 58
Mean 0.07265
Std Dev 1.2

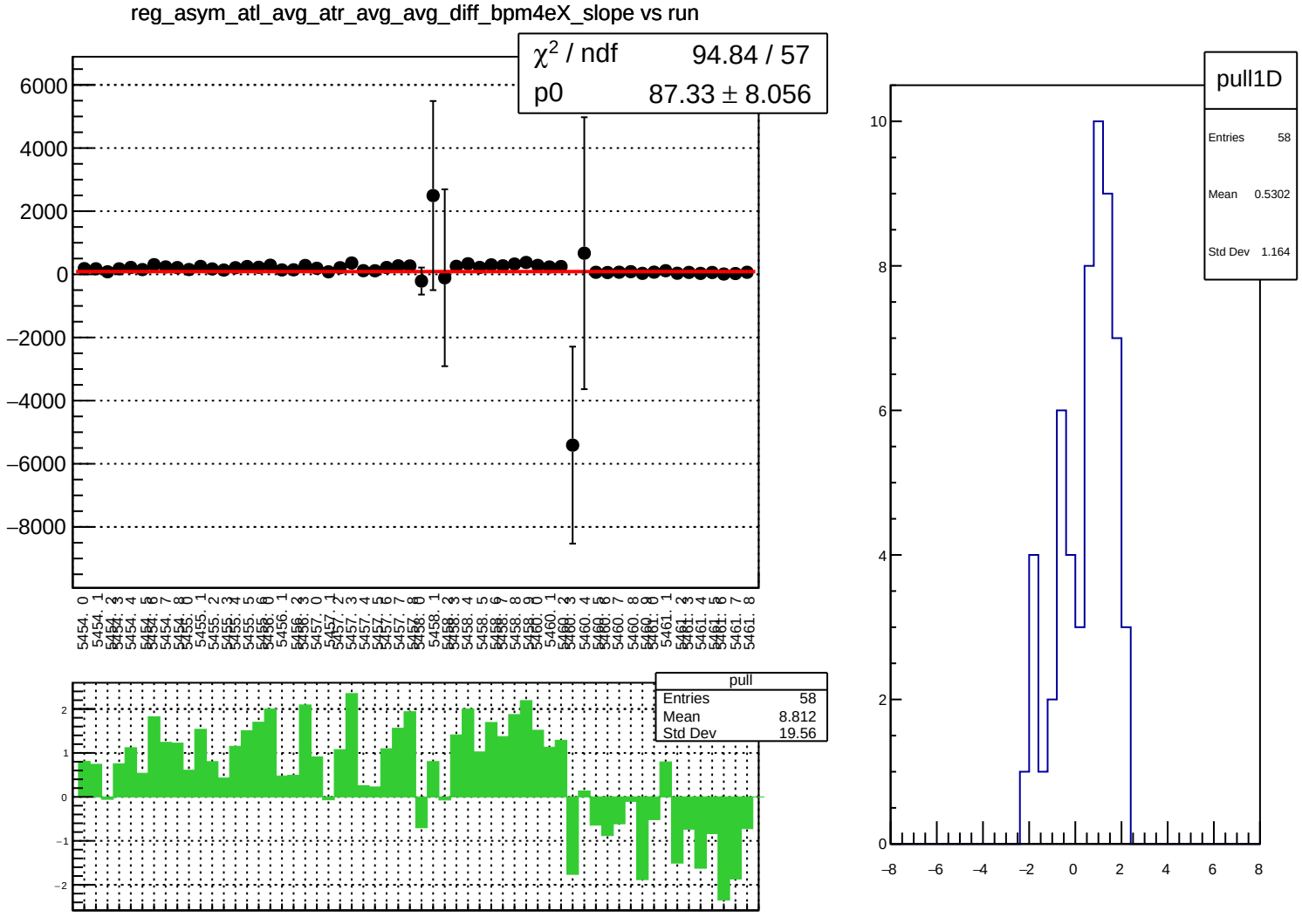

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.42 / 57
p0 −3.733 ± 5.932
pull
Entries 58
Mean 37.12
Std Dev 17.39

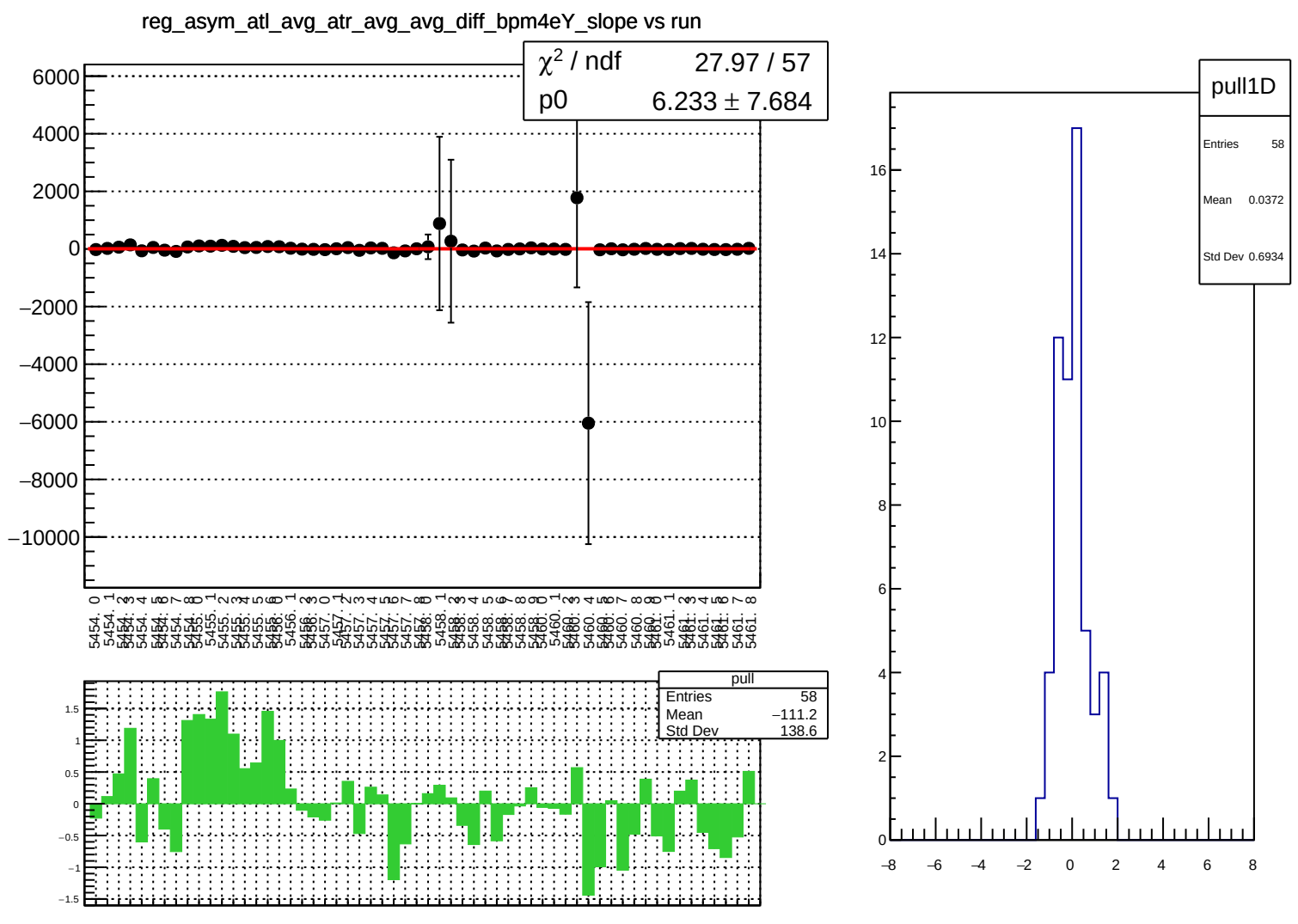

pull1D
Entries 58
Mean −0.01686
Std Dev 0.8138

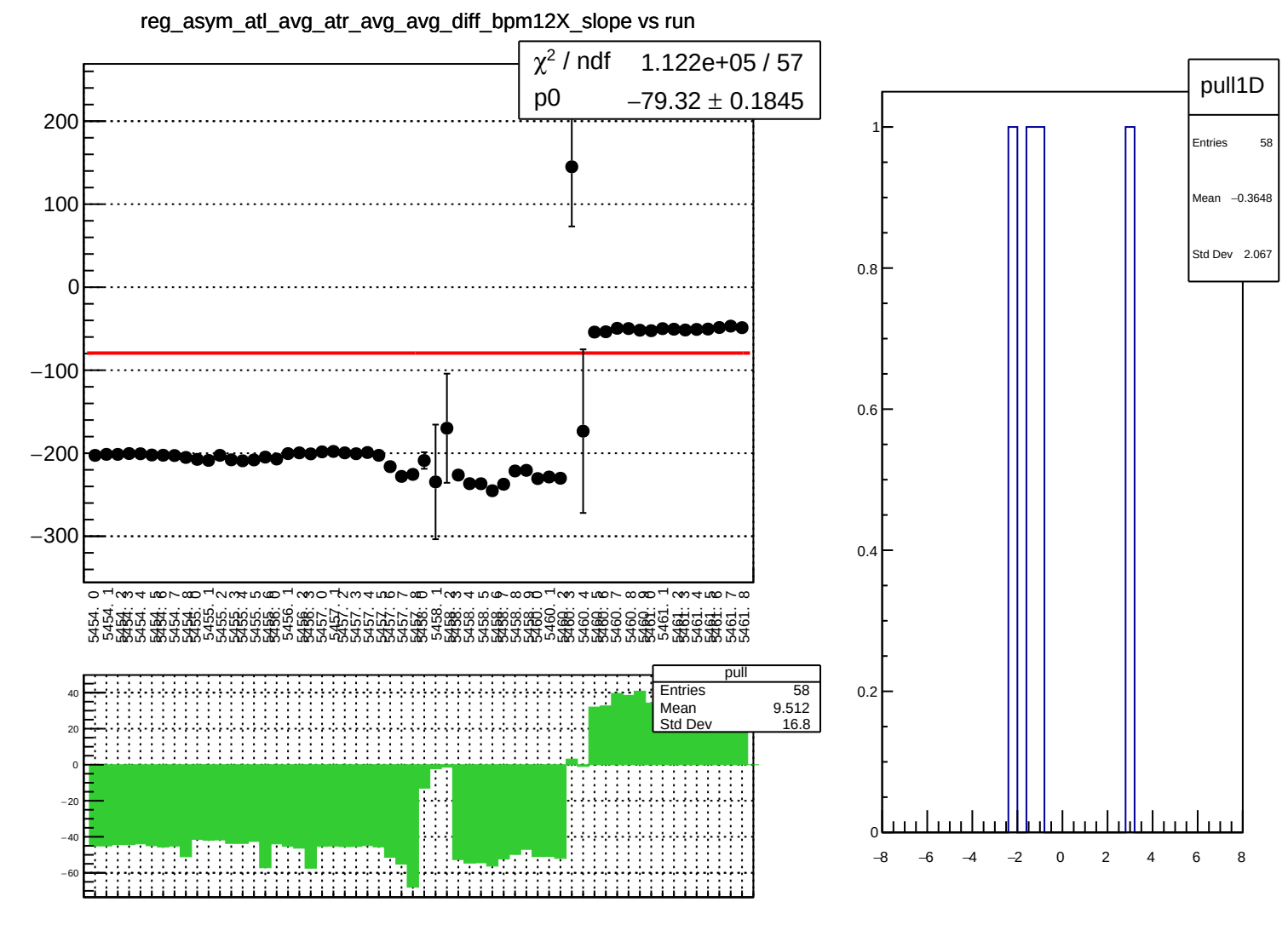

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 2.834e+04 / 57
p0 27.63 ± 0.1512
pull
Entries 58
Mean −75.77
Std Dev 108.3
pull1D
Entries 58
Mean −2.017
Std Dev 3.301

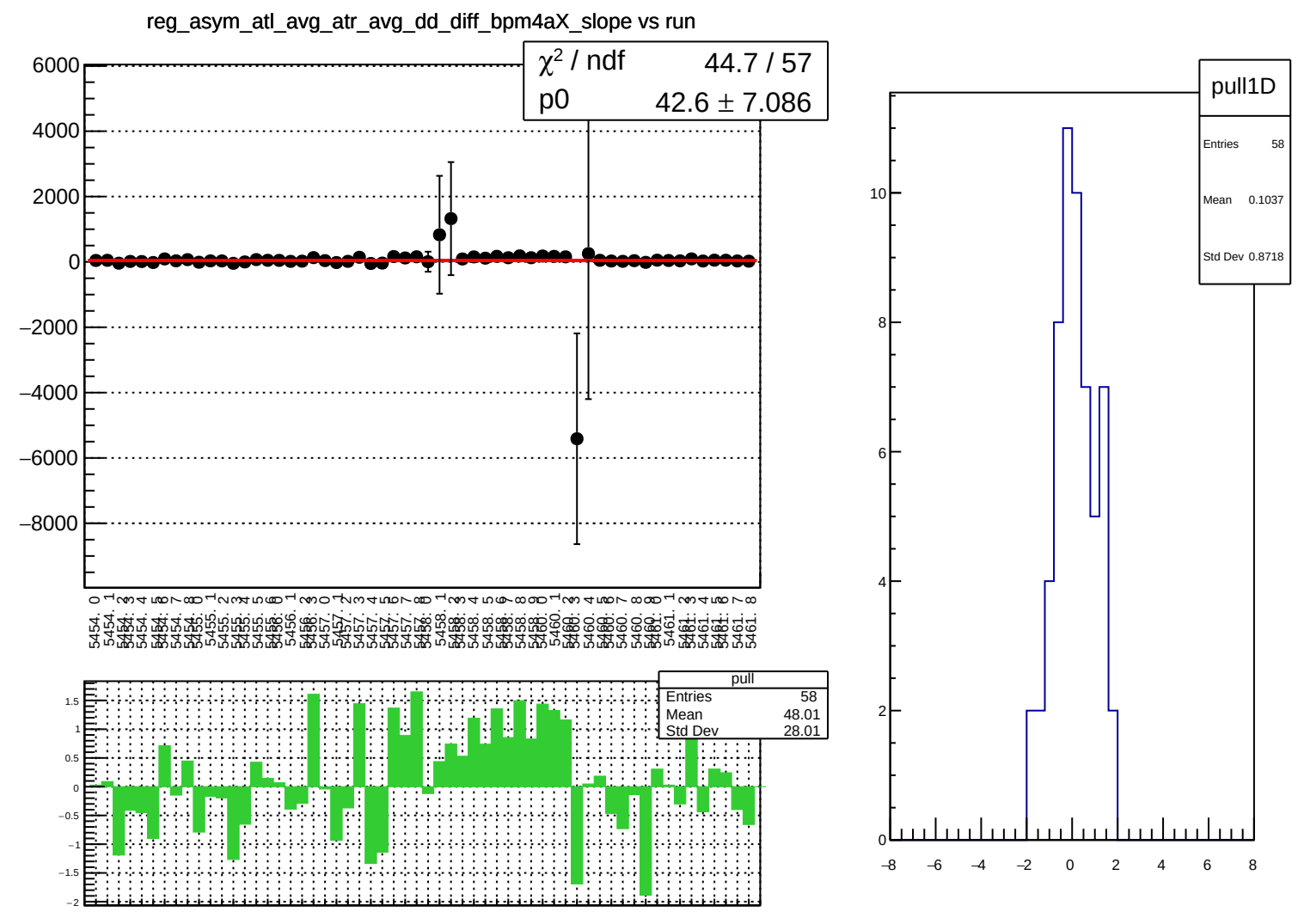

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 80.15 / 57
p0 −77.96 ± 8.333
pull
Entries 58
Mean 5.575
Std Dev 22.27
pull1D
Entries 58
Mean −0.4742
Std Dev 1.076

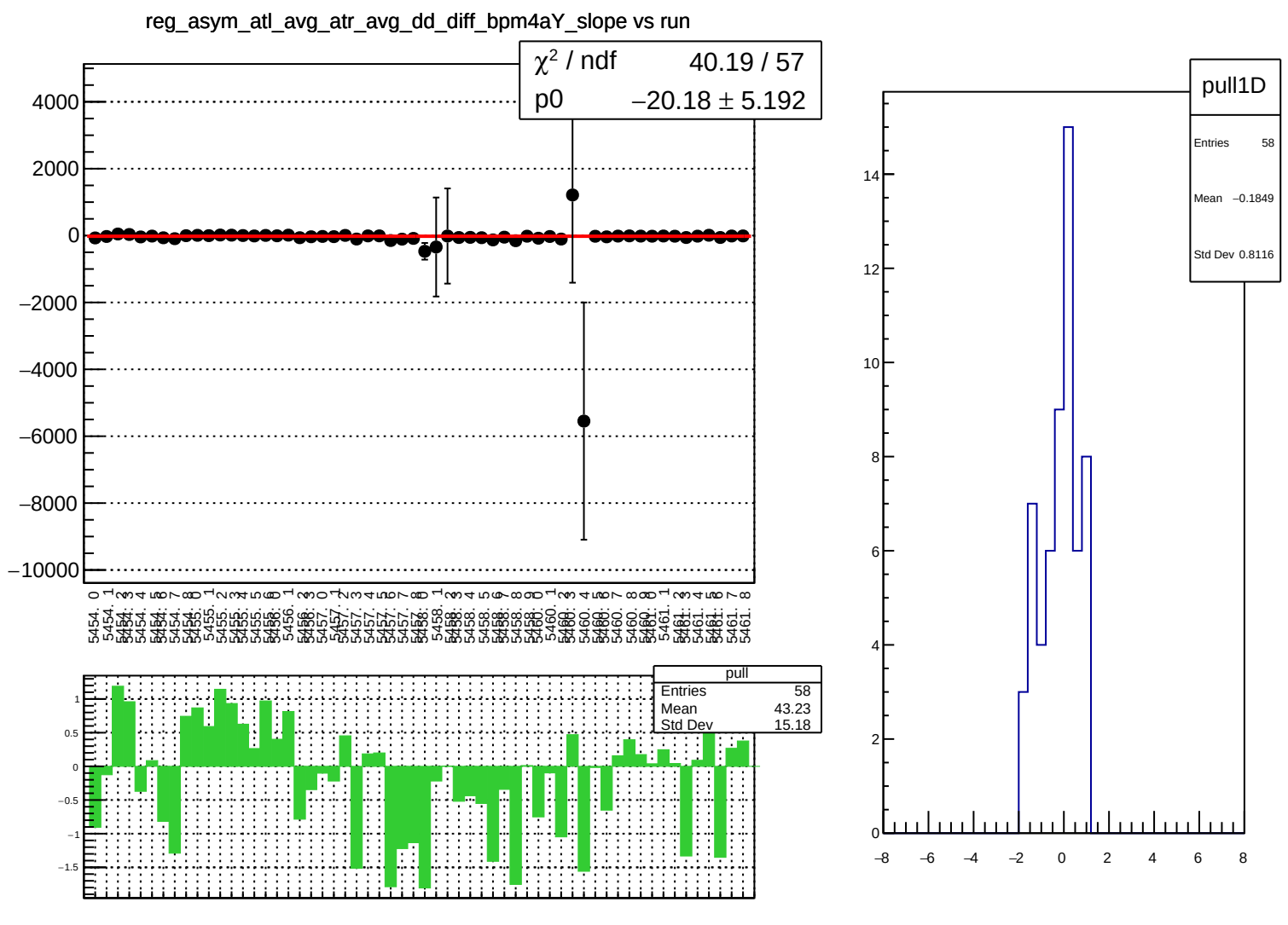

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.54 / 57
p0 35.11 ± 6.424
pull
Entries 58
Mean 22.03
Std Dev 6.974
pull1D
Entries 58
Mean 0.2402
Std Dev 0.672

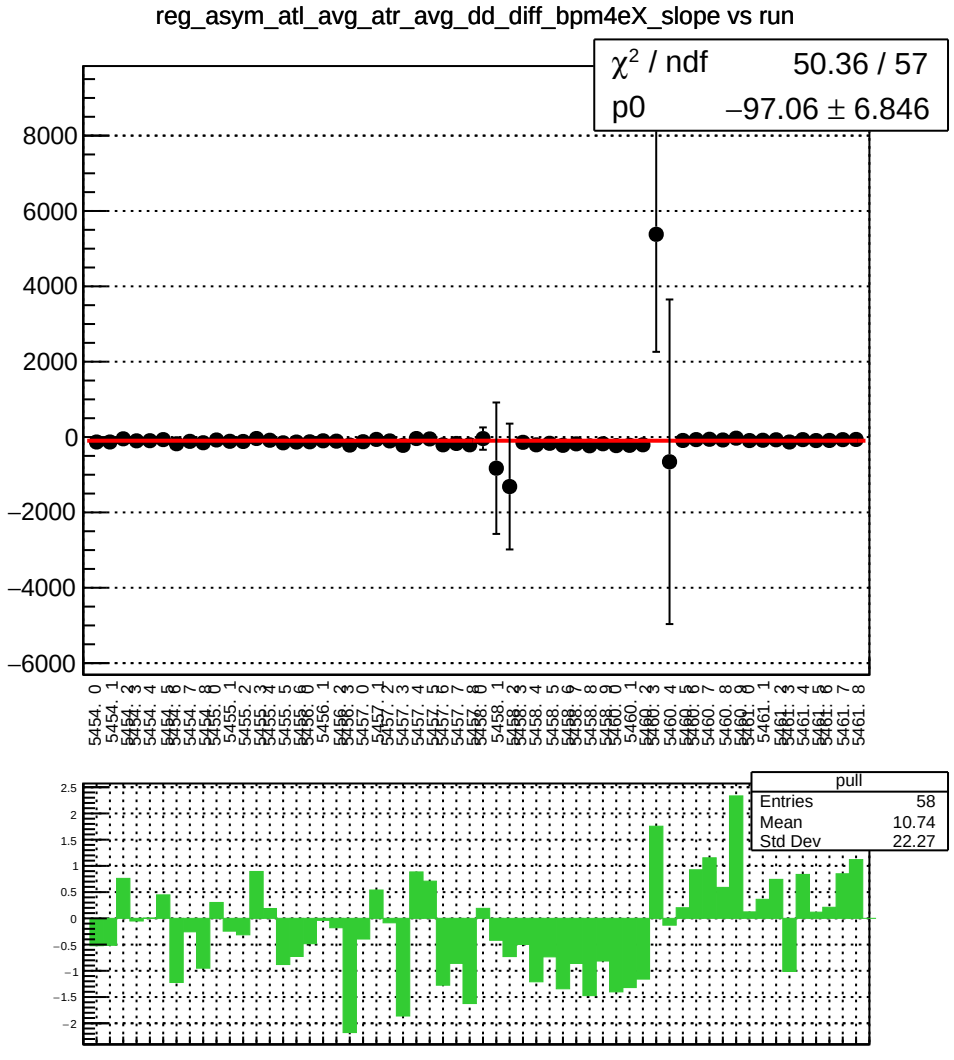

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.84 / 57
p0 87.33 ± 8.056
pull
Entries 58
Mean 8.812
Std Dev 19.56
pull1D
Entries 58
Mean 0.5302
Std Dev 1.164

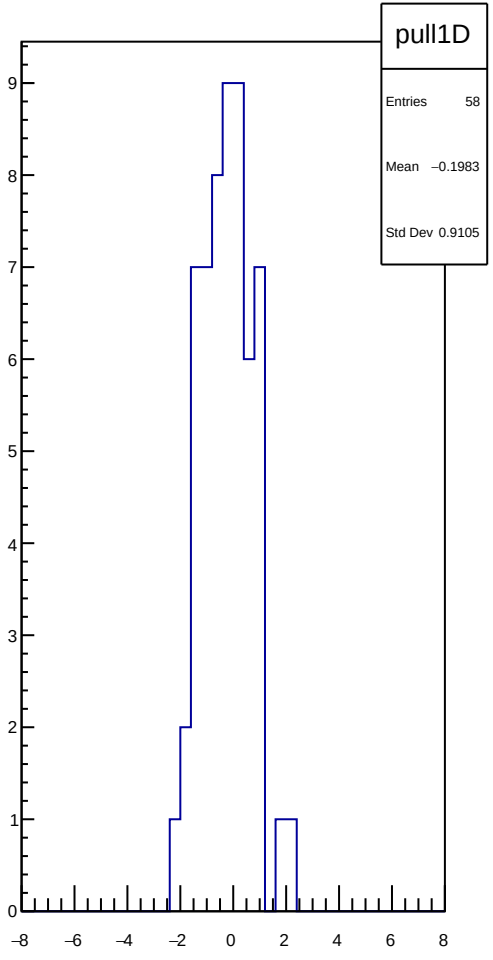

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.97 / 57
p0 6.233 ± 7.684
pull
Entries 58
Mean −111.2
Std Dev 138.6
pull1D
Entries 58
Mean 0.0372
Std Dev 0.6934

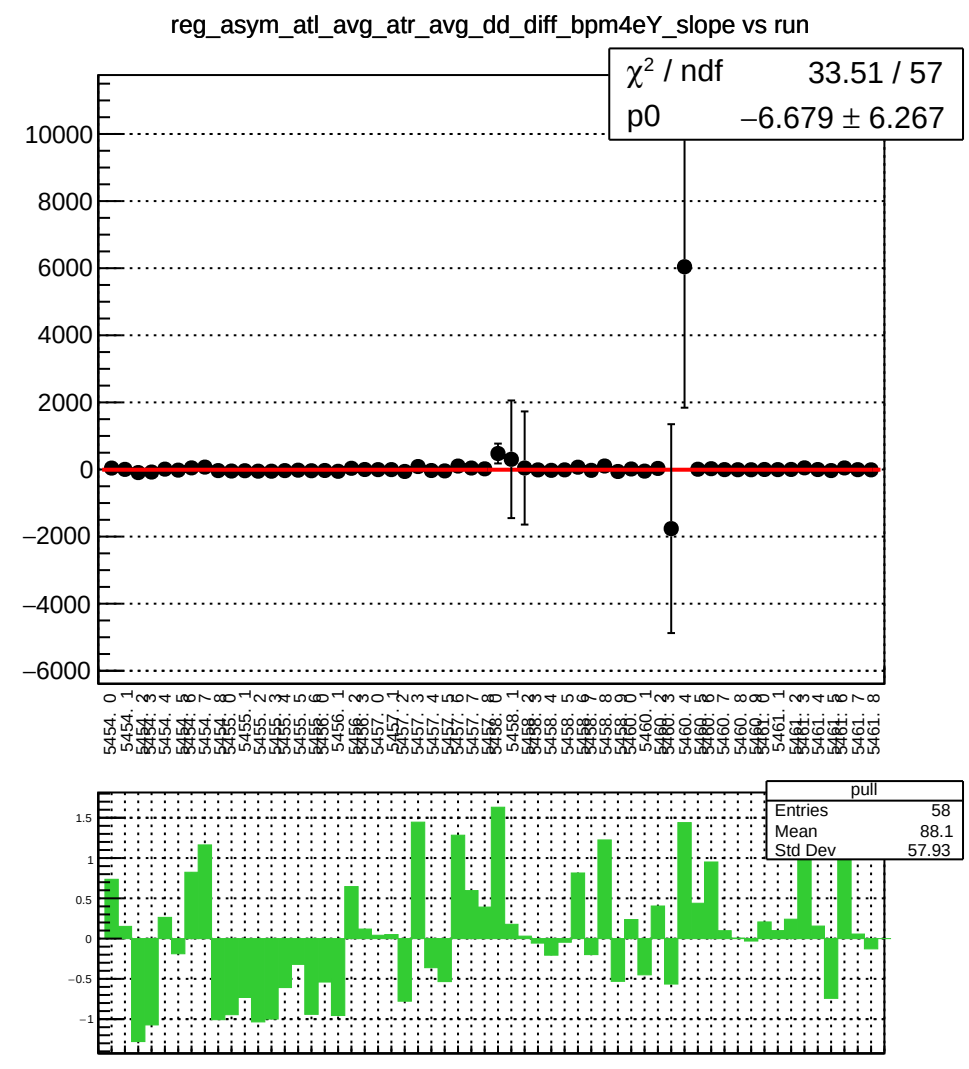

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 1.122e+05 / 57
p0 −79.32 ± 0.1845
pull
Entries 58
Mean 9.512
Std Dev 16.8
pull1D
Entries 58
Mean −0.3648
Std Dev 2.067

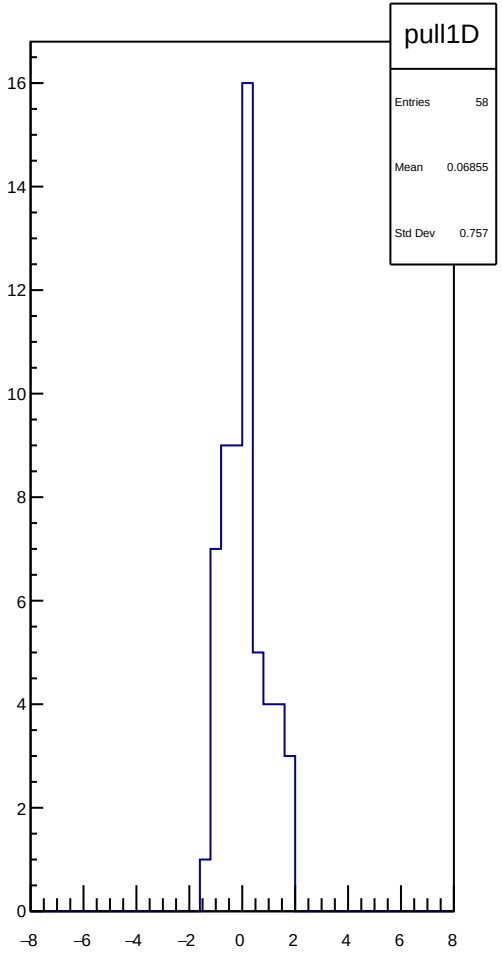

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.7 / 57
p0 42.6 ± 7.086
pull
Entries 58
Mean 48.01
Std Dev 28.01
pull1D
Entries 58
Mean 0.1037
Std Dev 0.8718

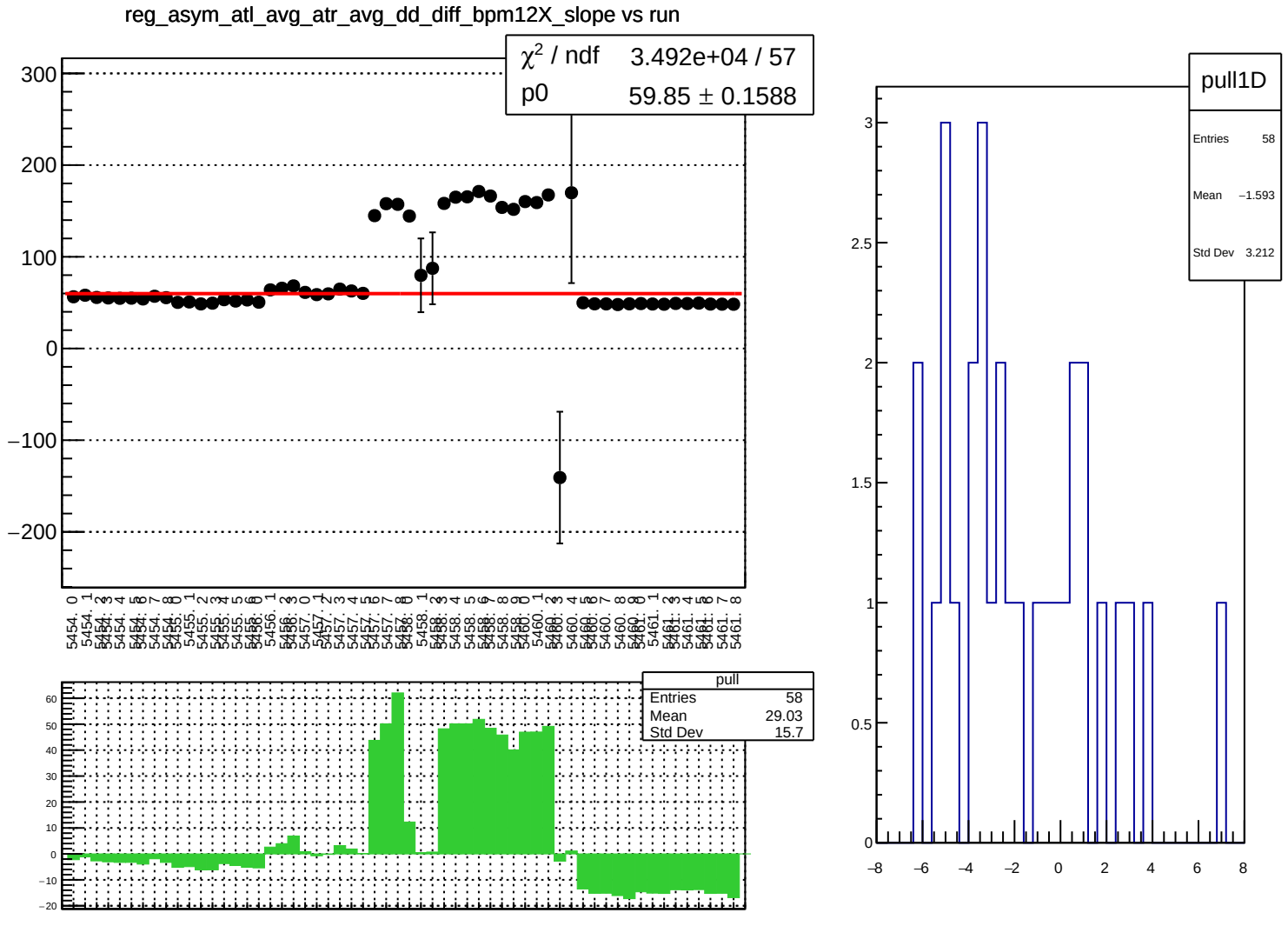

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.19 / 57
p0 −20.18 ± 5.192
pull
Entries 58
Mean 43.23
Std Dev 15.18
pull1D
Entries 58
Mean −0.1849
Std Dev 0.8116

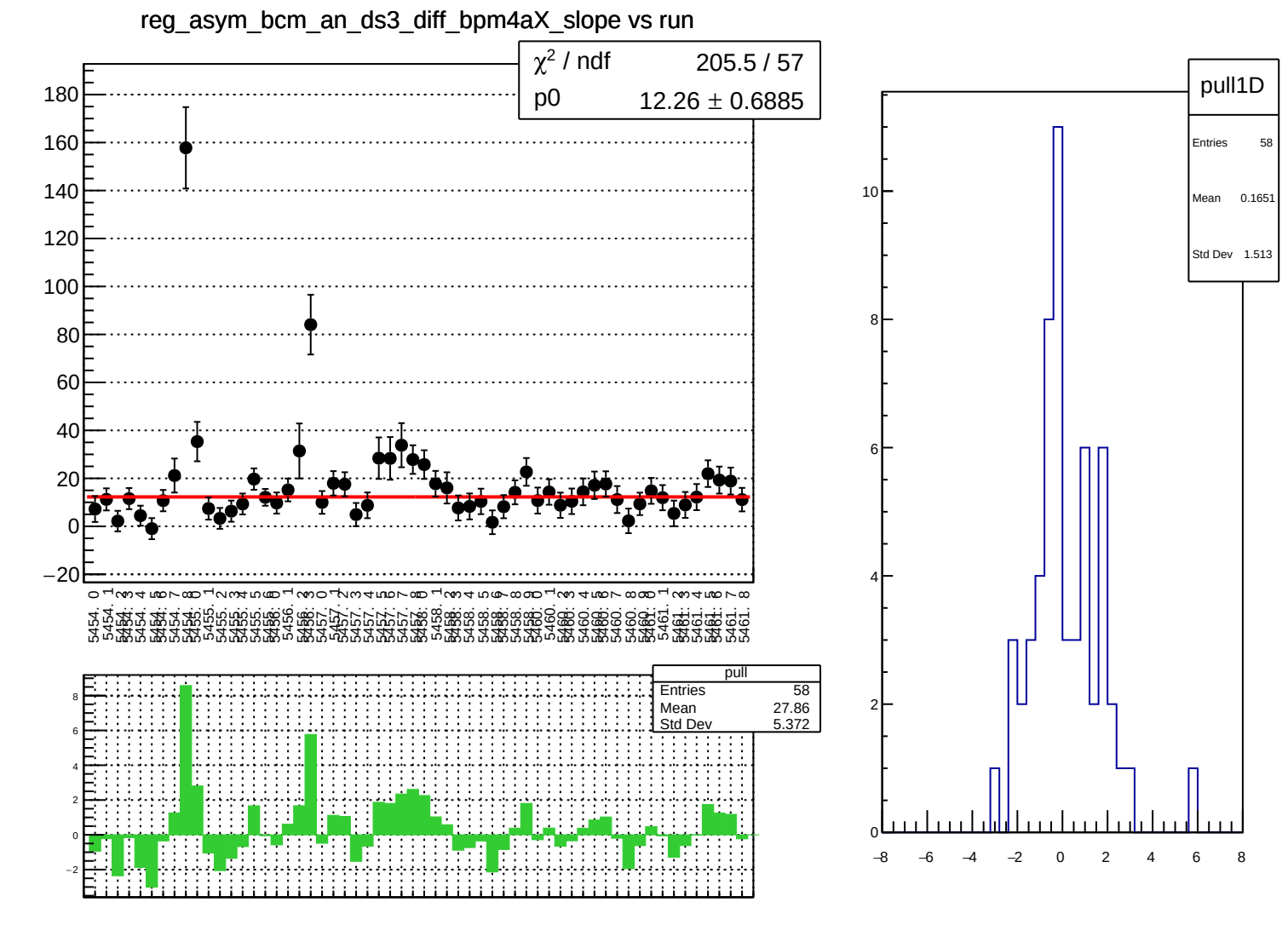

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.36 / 57
p0 −97.06 ± 6.846
pull
Entries 58
Mean 10.74
Std Dev 22.27

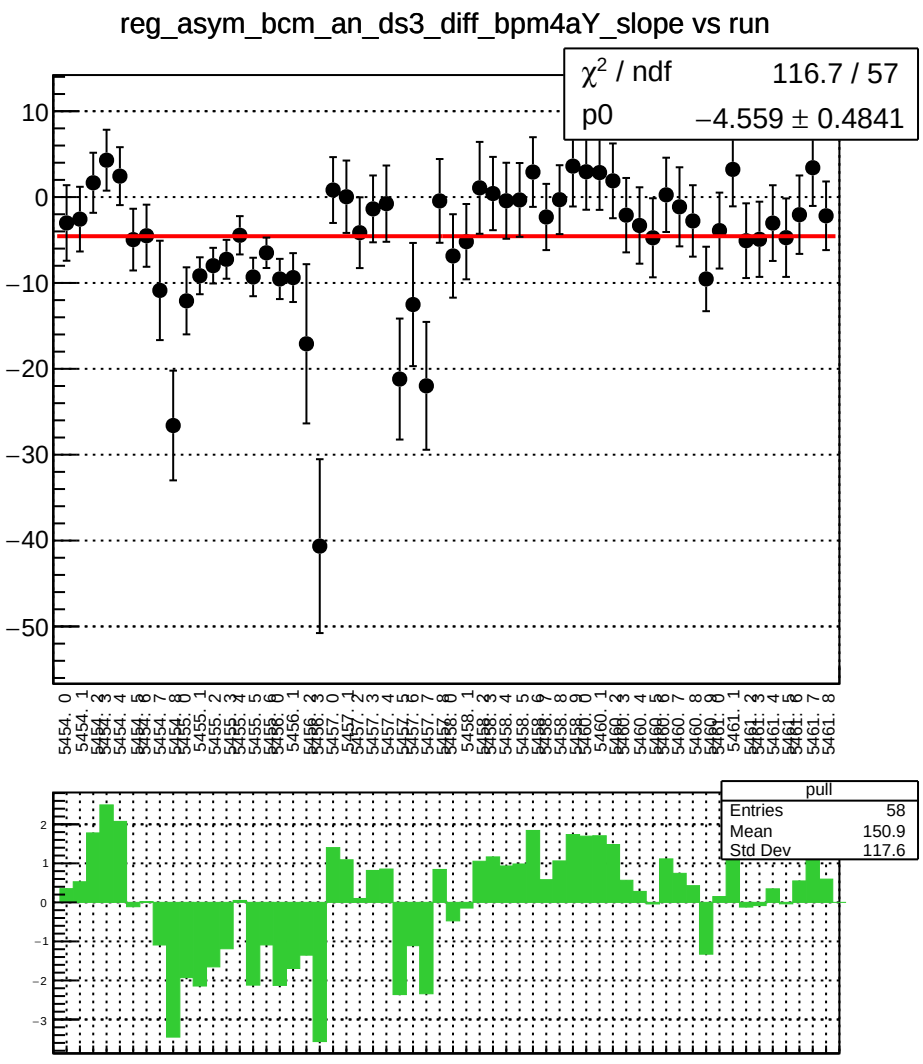

pull1D
Entries 58
Mean −0.1983
Std Dev 0.9105

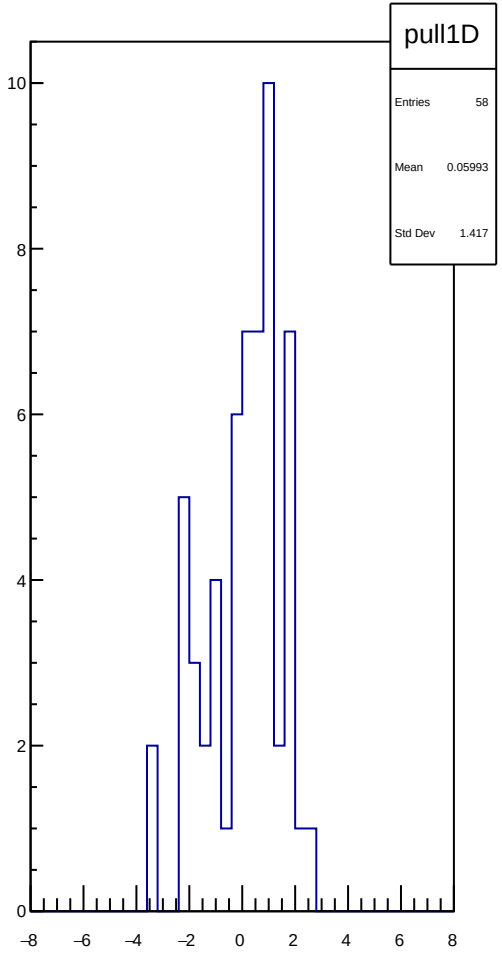

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.51 / 57
p0 −6.679 ± 6.267
pull
Entries 58
Mean 88.1
Std Dev 57.93

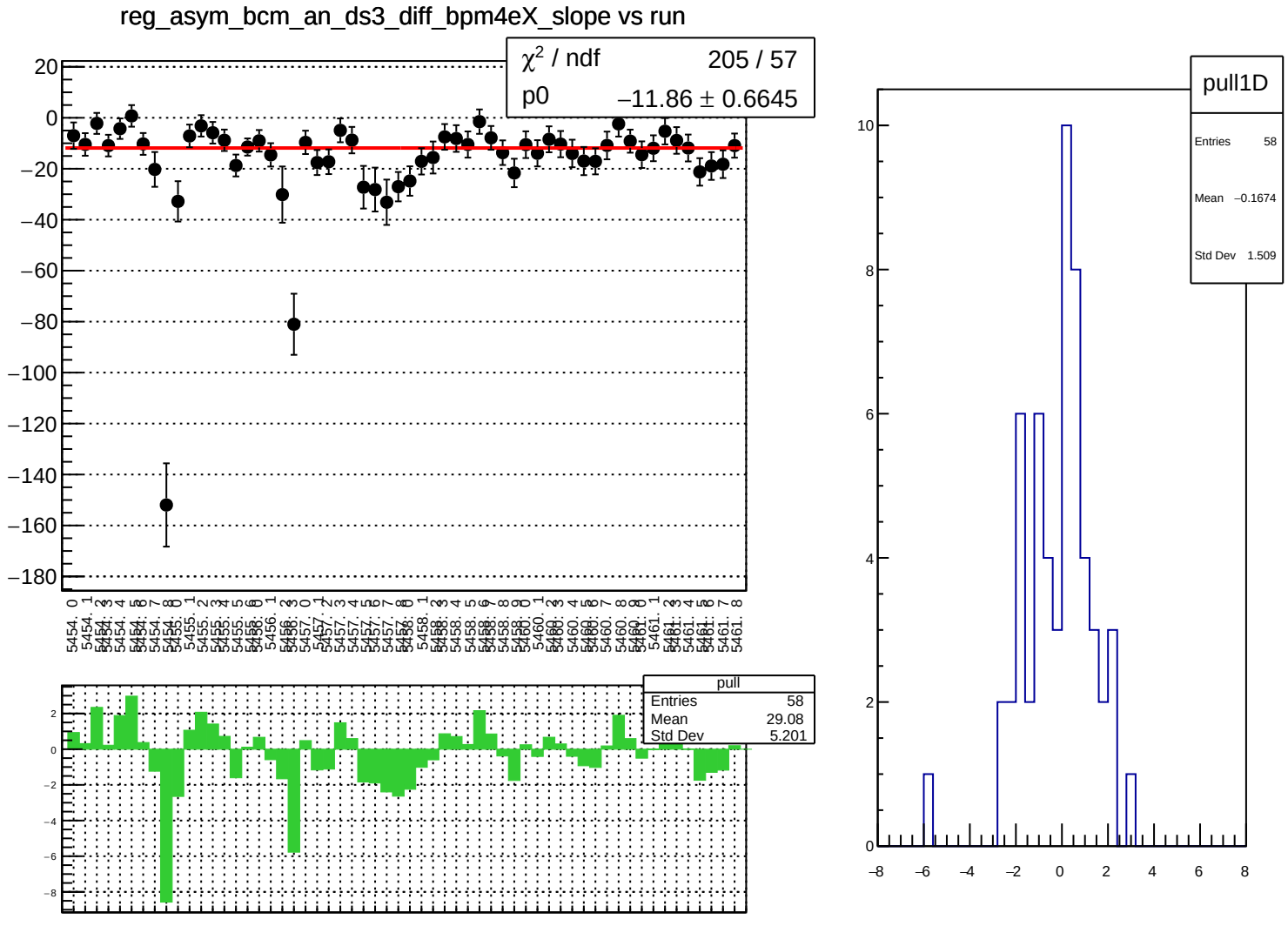

pull1D
Entries 58
Mean 0.06855
Std Dev 0.757

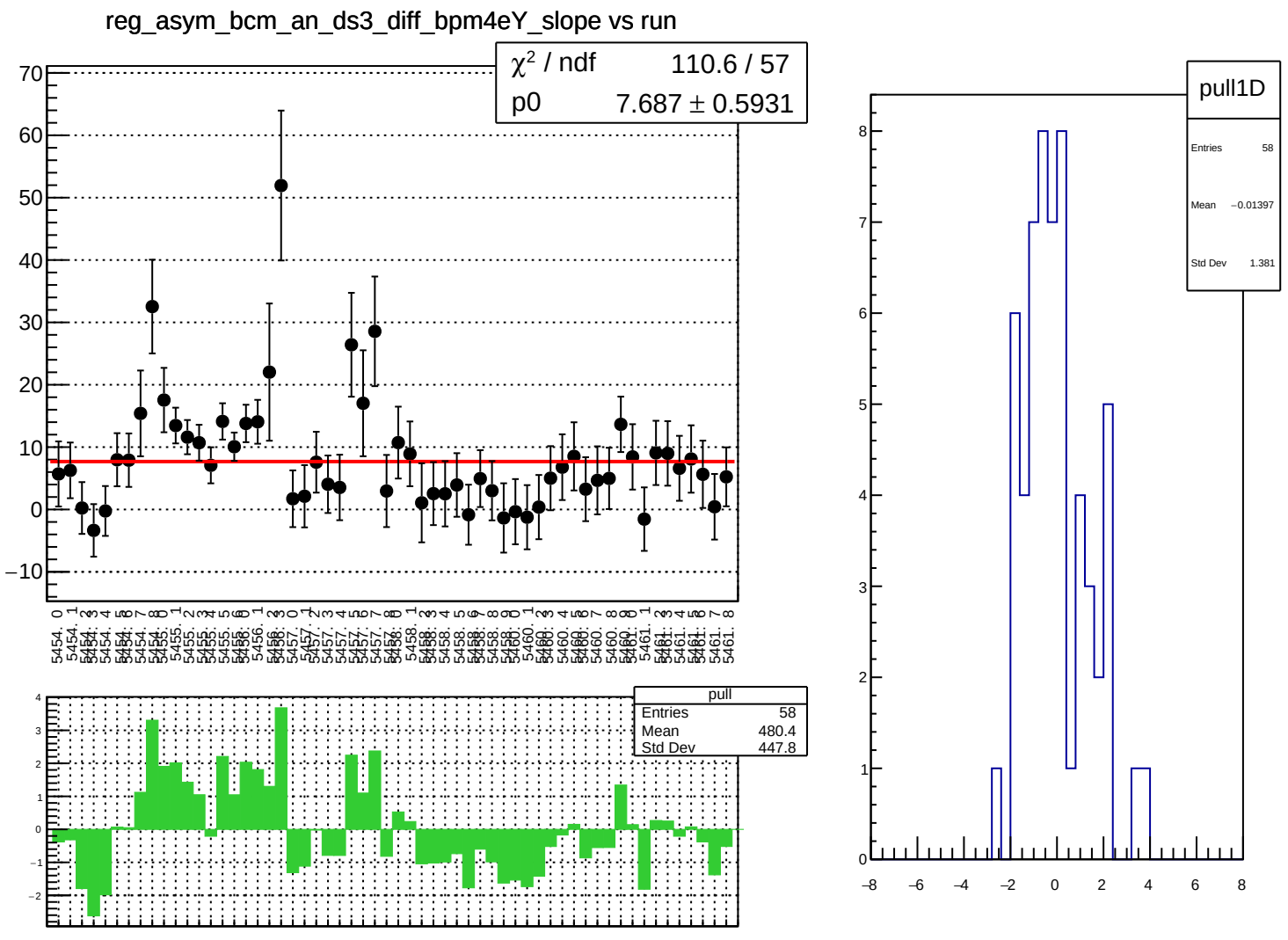

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 3.492e+04 / 57
p0 59.85 ± 0.1588
pull
Entries 58
Mean 29.03
Std Dev 15.7
pull1D
Entries 58
Mean −1.593
Std Dev 3.212

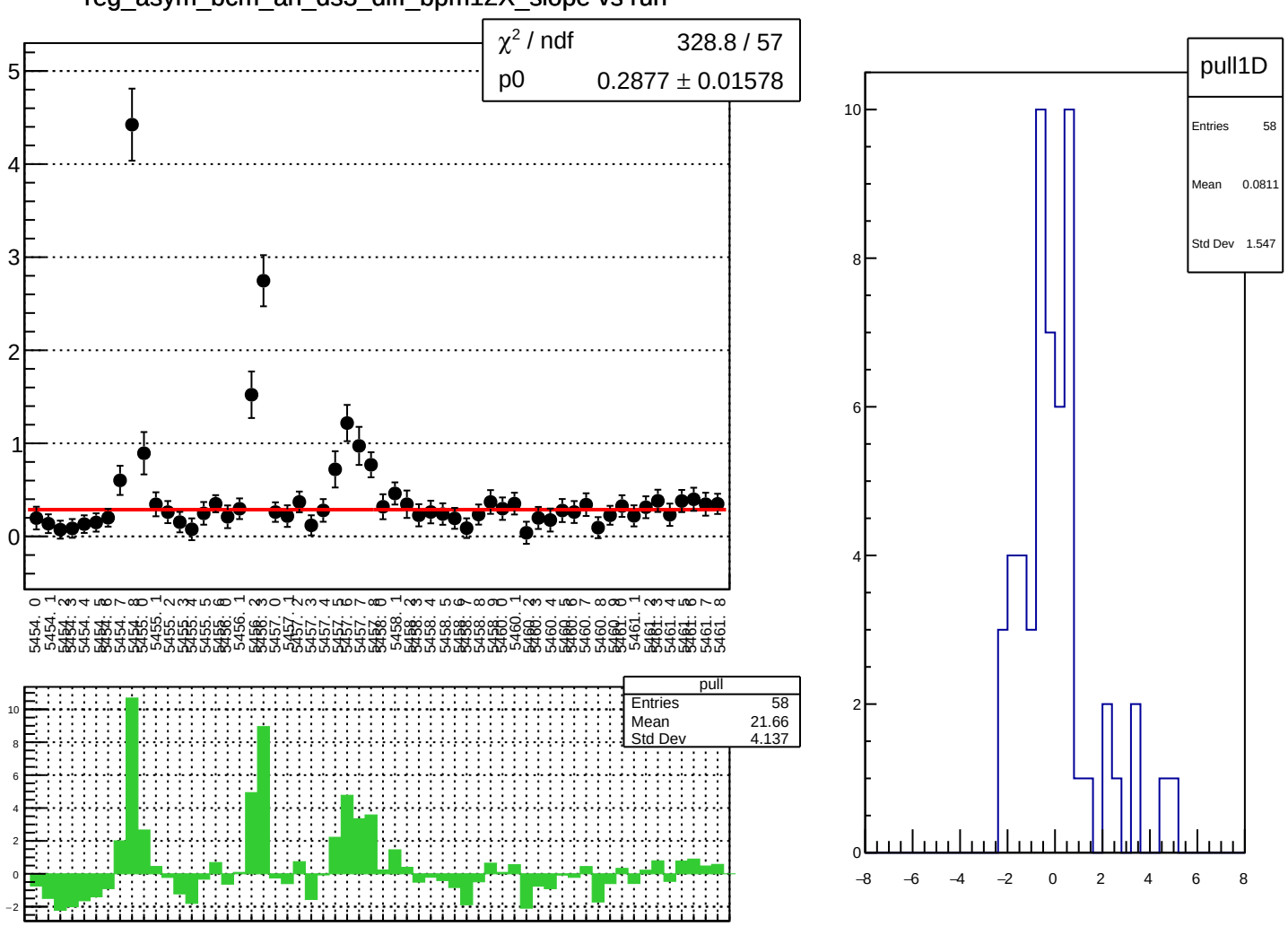

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 205.5 / 57
p0 12.26 ± 0.6885
pull
Entries 58
Mean 27.86
Std Dev 5.372
pull1D
Entries 58
Mean 0.1651
Std Dev 1.513

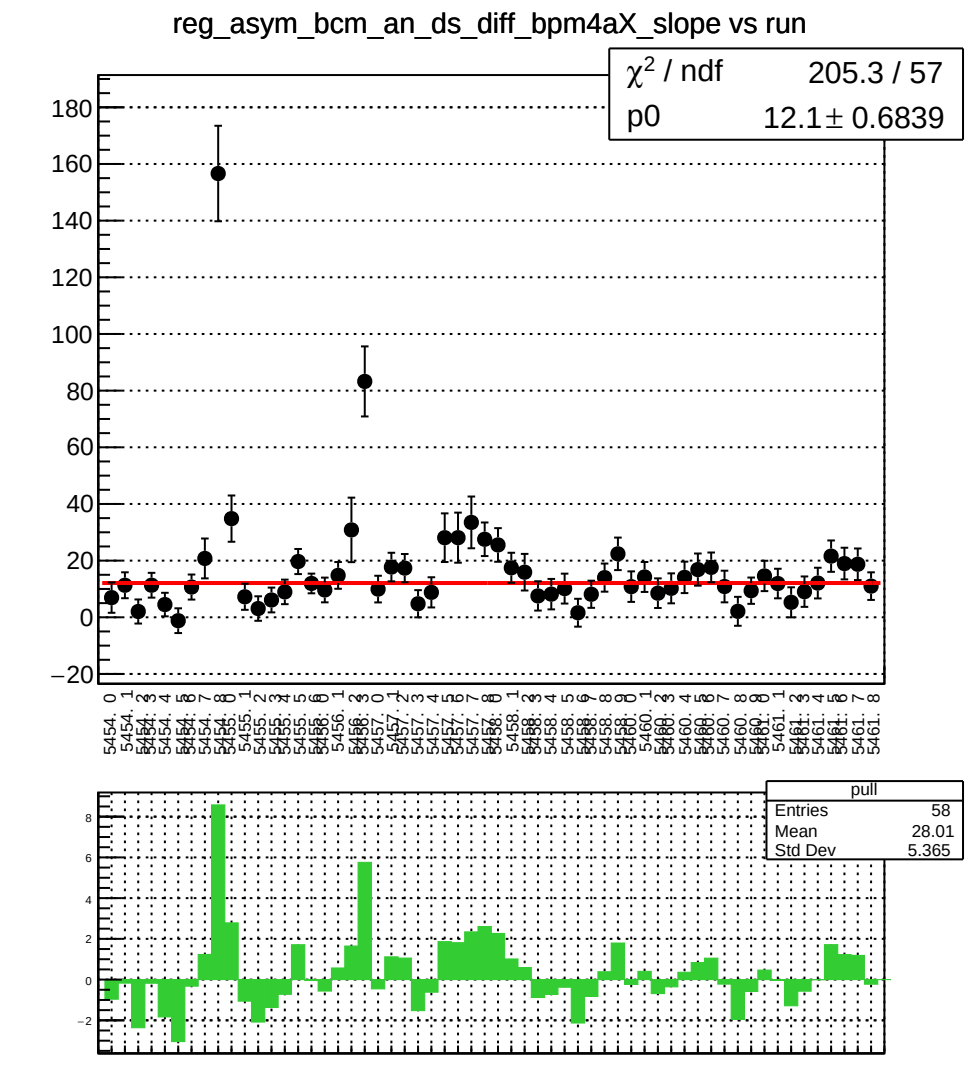

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 116.7 / 57
p0 −4.559 ± 0.4841
pull
Entries 58
Mean 150.9
Std Dev 117.6

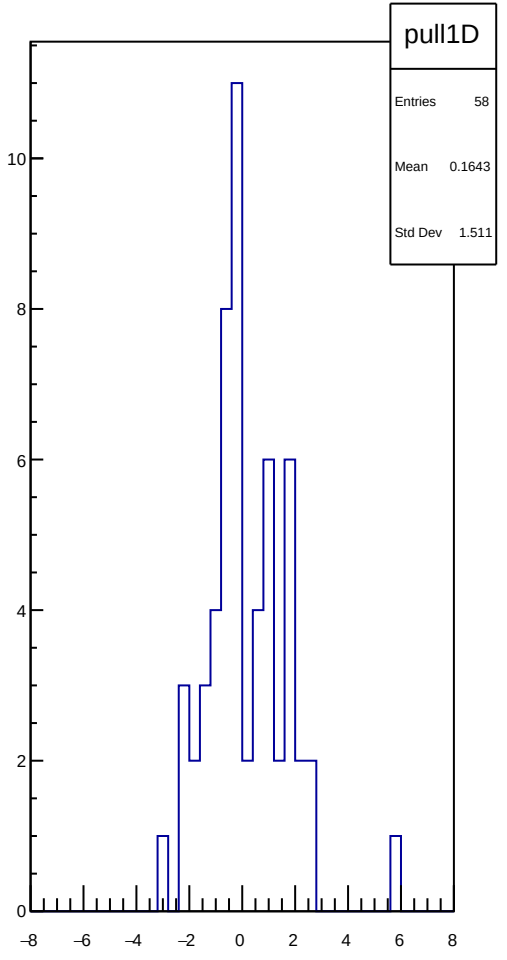

pull1D
Entries 58
Mean 0.05993
Std Dev 1.417

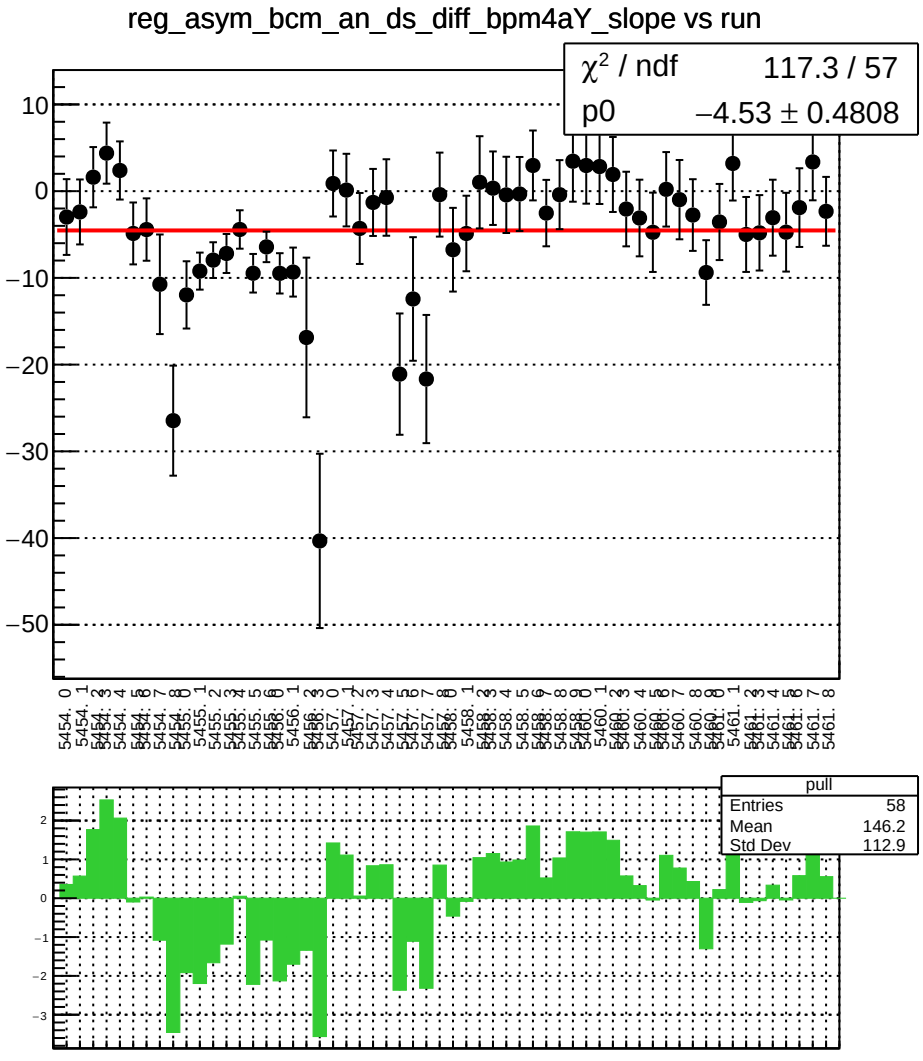

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 205 / 57
p0 −11.86 ± 0.6645
pull
Entries 58
Mean 29.08
Std Dev 5.201
pull1D
Entries 58
Mean −0.1674
Std Dev 1.509

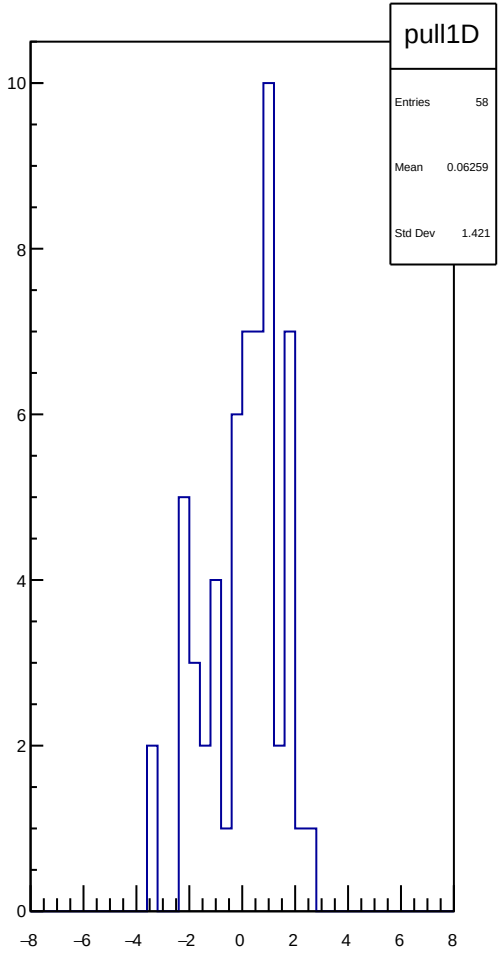

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 110.6 / 57
p0 7.687 ± 0.5931
pull
Entries 58
Mean 480.4
Std Dev 447.8
pull1D
Entries 58
Mean −0.01397
Std Dev 1.381

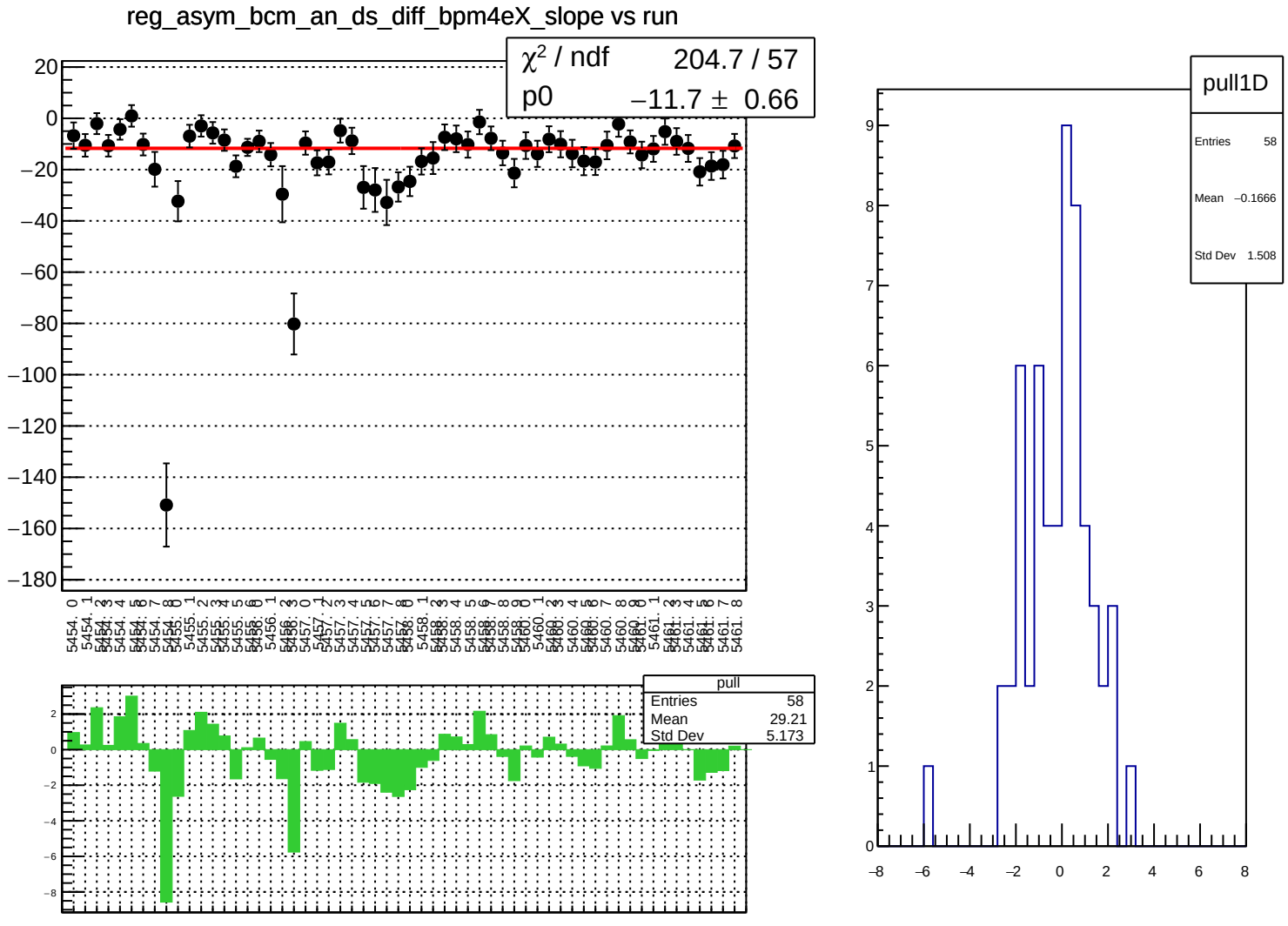

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 328.8 / 57
p0 0.2877 ± 0.01578
pull
Entries 58
Mean 21.66
Std Dev 4.137
pull1D
Entries 58
Mean 0.0811
Std Dev 1.547

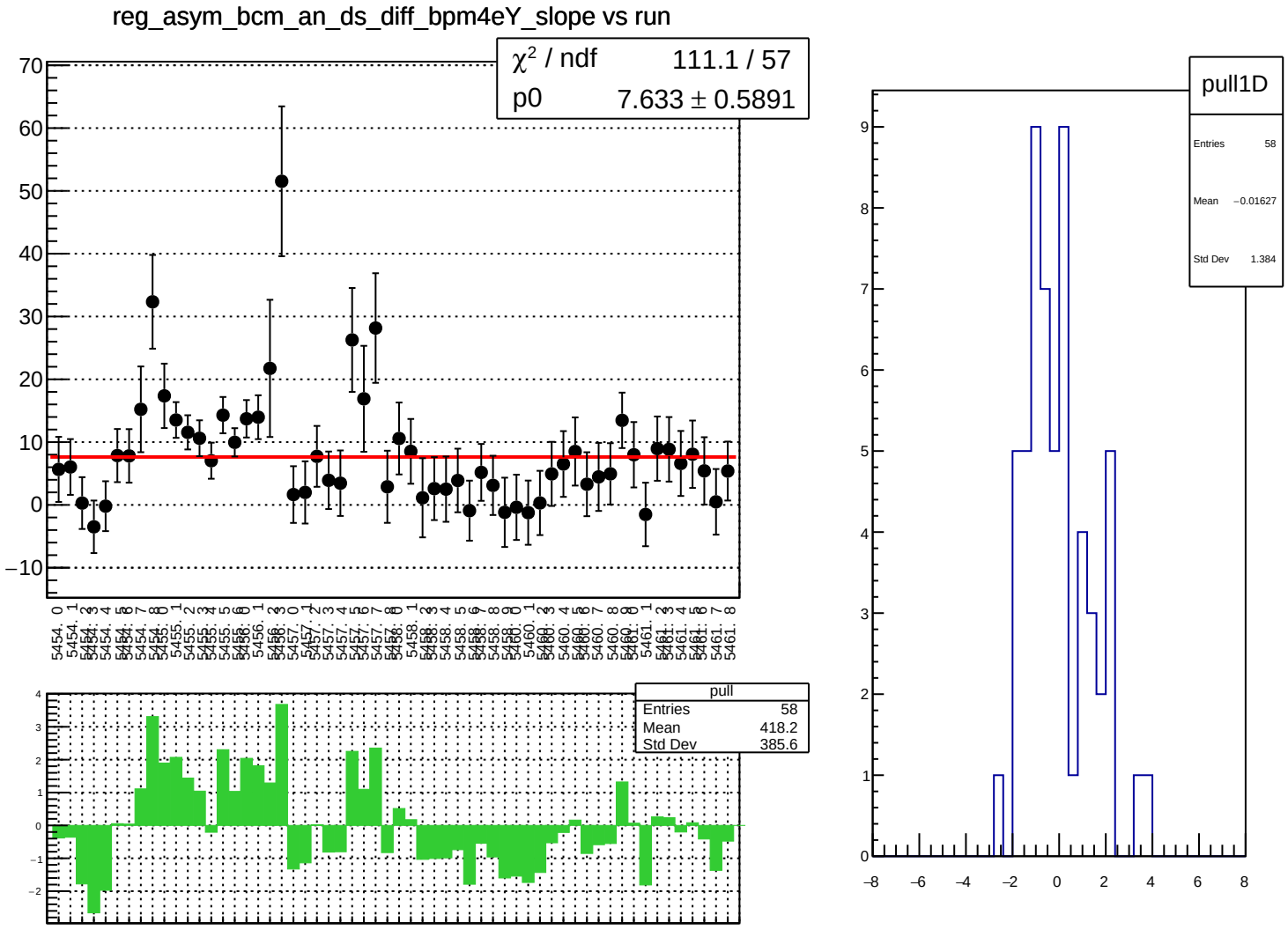

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 205.3 / 57
p0 12.1 ± 0.6839
pull
Entries 58
Mean 28.01
Std Dev 5.365

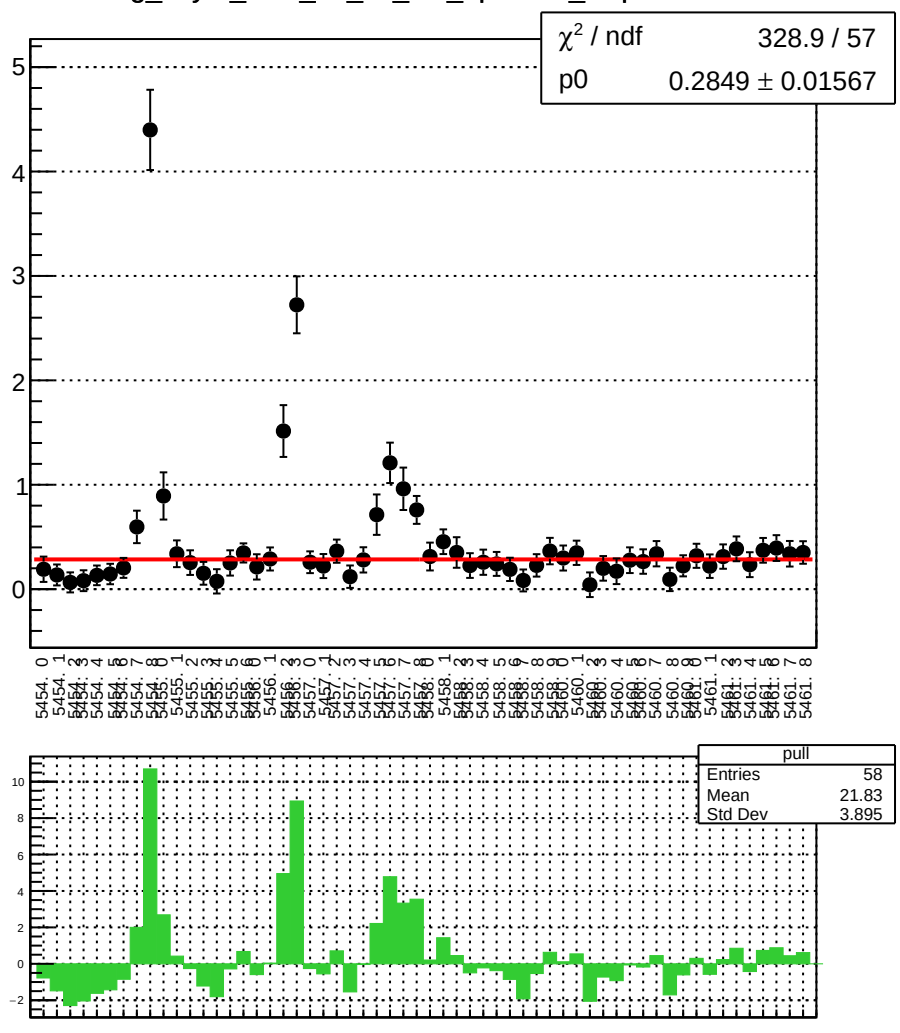

pull1D
Entries 58
Mean 0.1643
Std Dev 1.511

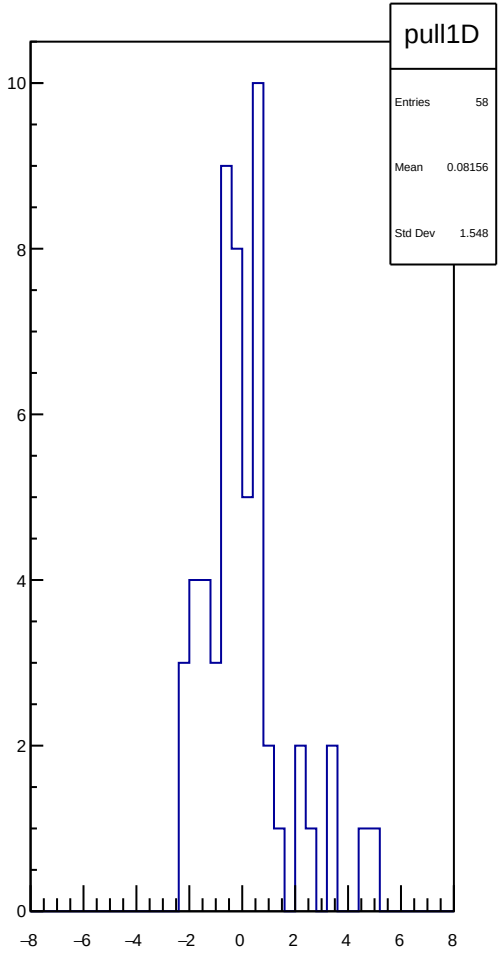

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 117.3 / 57
p0 −4.53 ± 0.4808
pull
Entries 58
Mean 146.2
Std Dev 112.9

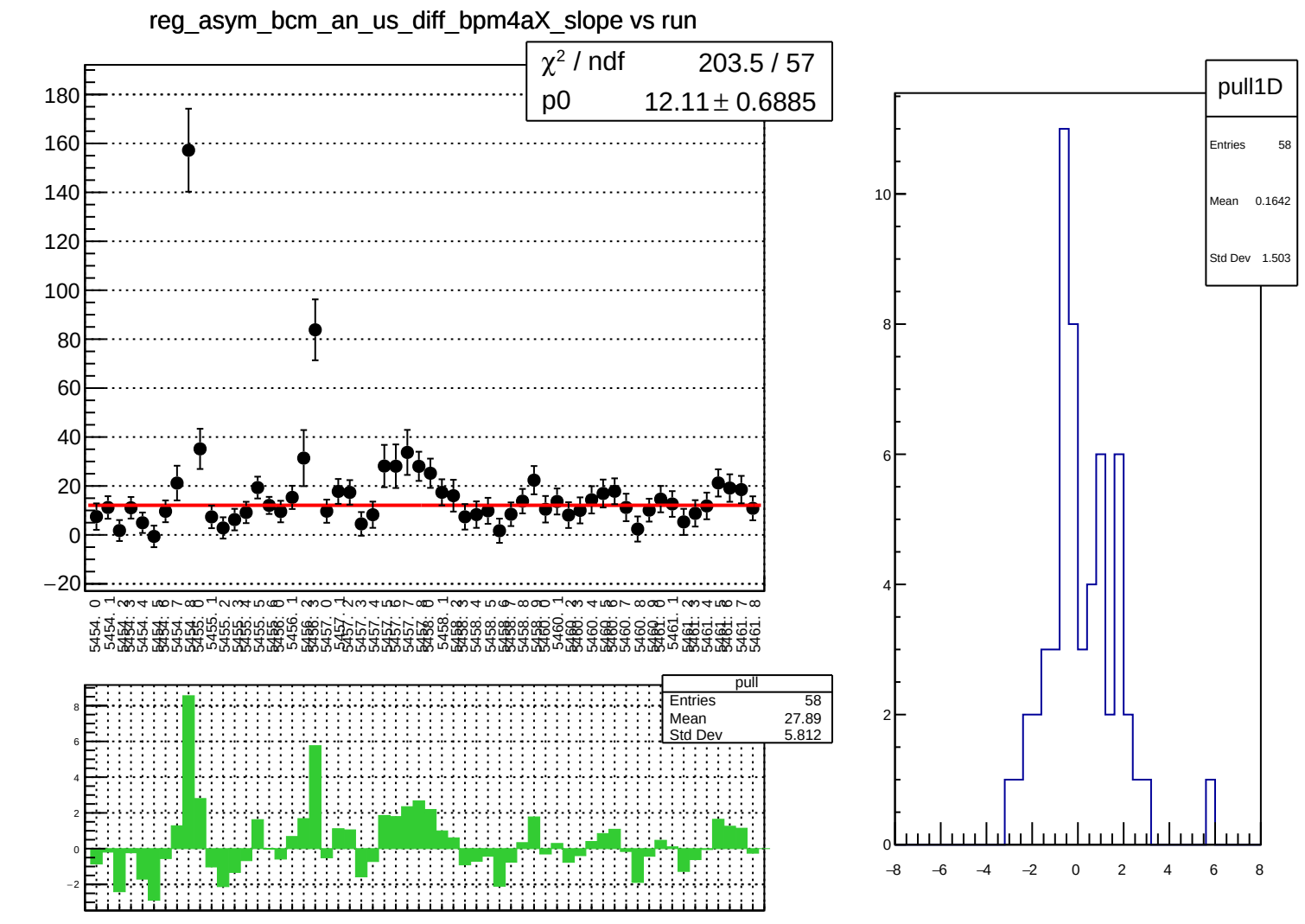

pull1D
Entries 58
Mean 0.06259
Std Dev 1.421

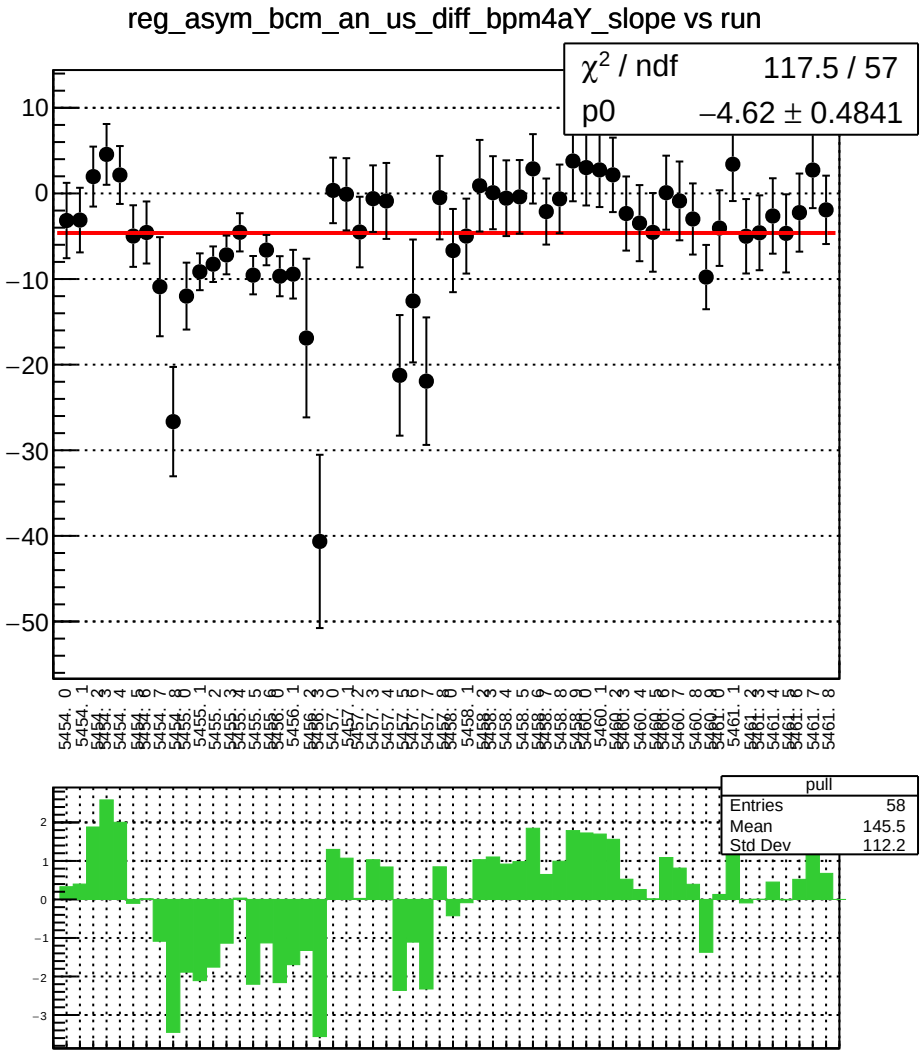

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 204.7 / 57
p0 −11.7 ± 0.66
pull
Entries 58
Mean 29.21
Std Dev 5.173
pull1D
Entries 58
Mean −0.1666
Std Dev 1.508

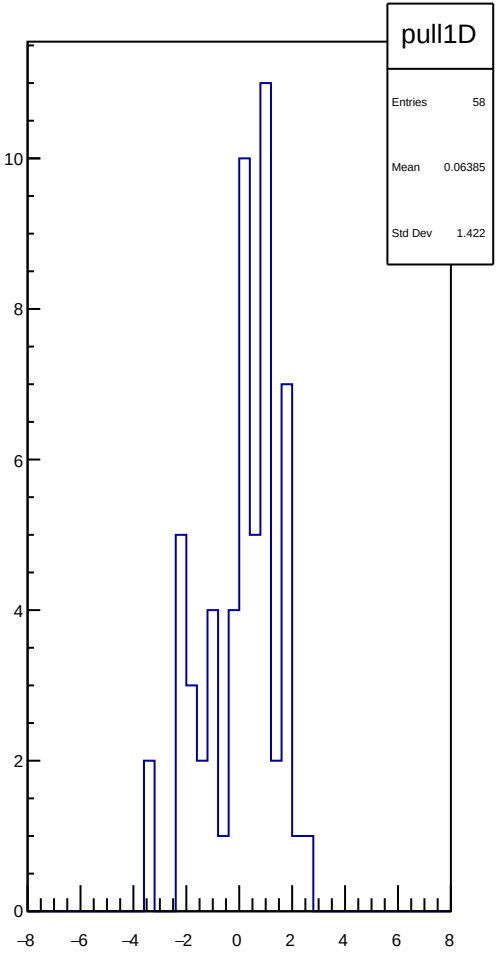

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 111.1 / 57
p0 7.633 ± 0.5891
pull
Entries 58
Mean 418.2
Std Dev 385.6
pull1D
Entries 58
Mean −0.01627
Std Dev 1.384

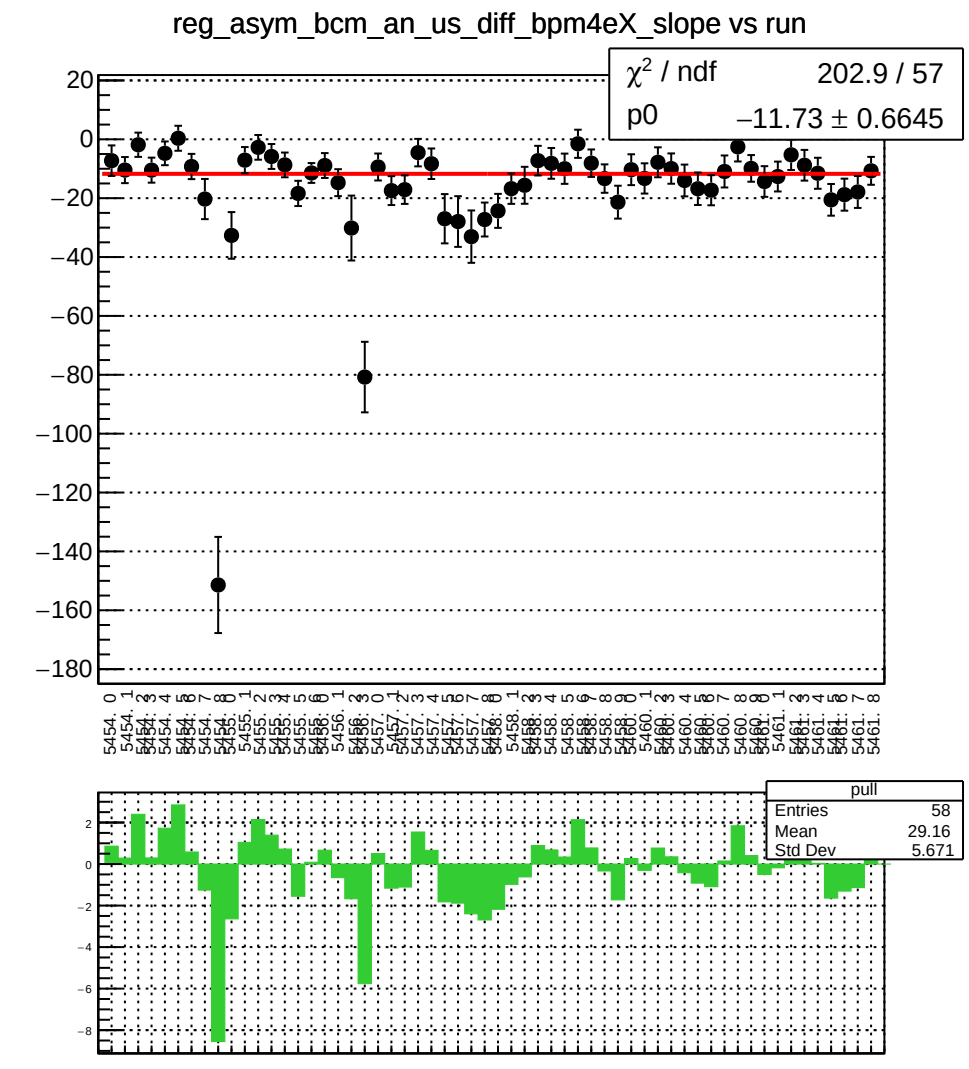

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 328.9 / 57
p0 0.2849 ± 0.01567
pull
Entries 58
Mean 21.83
Std Dev 3.895

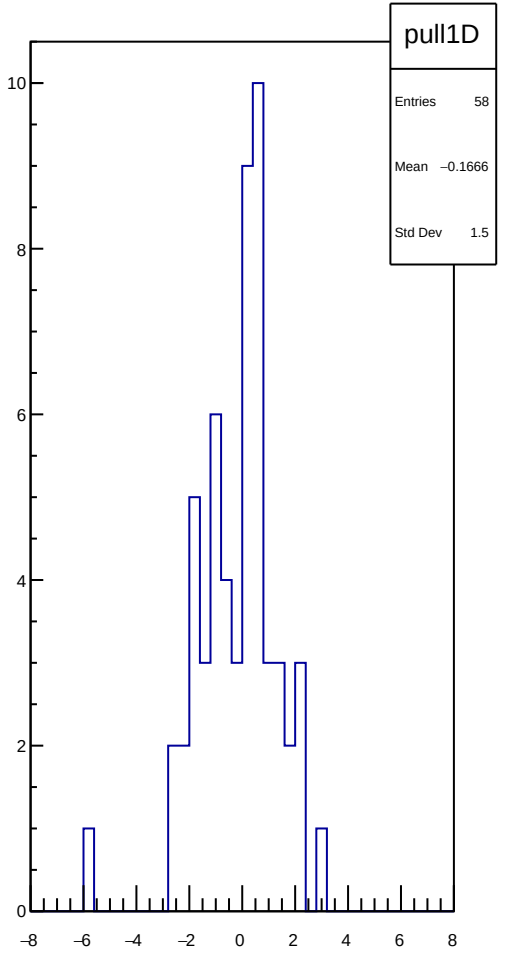

pull1D
Entries 58
Mean 0.08156
Std Dev 1.548

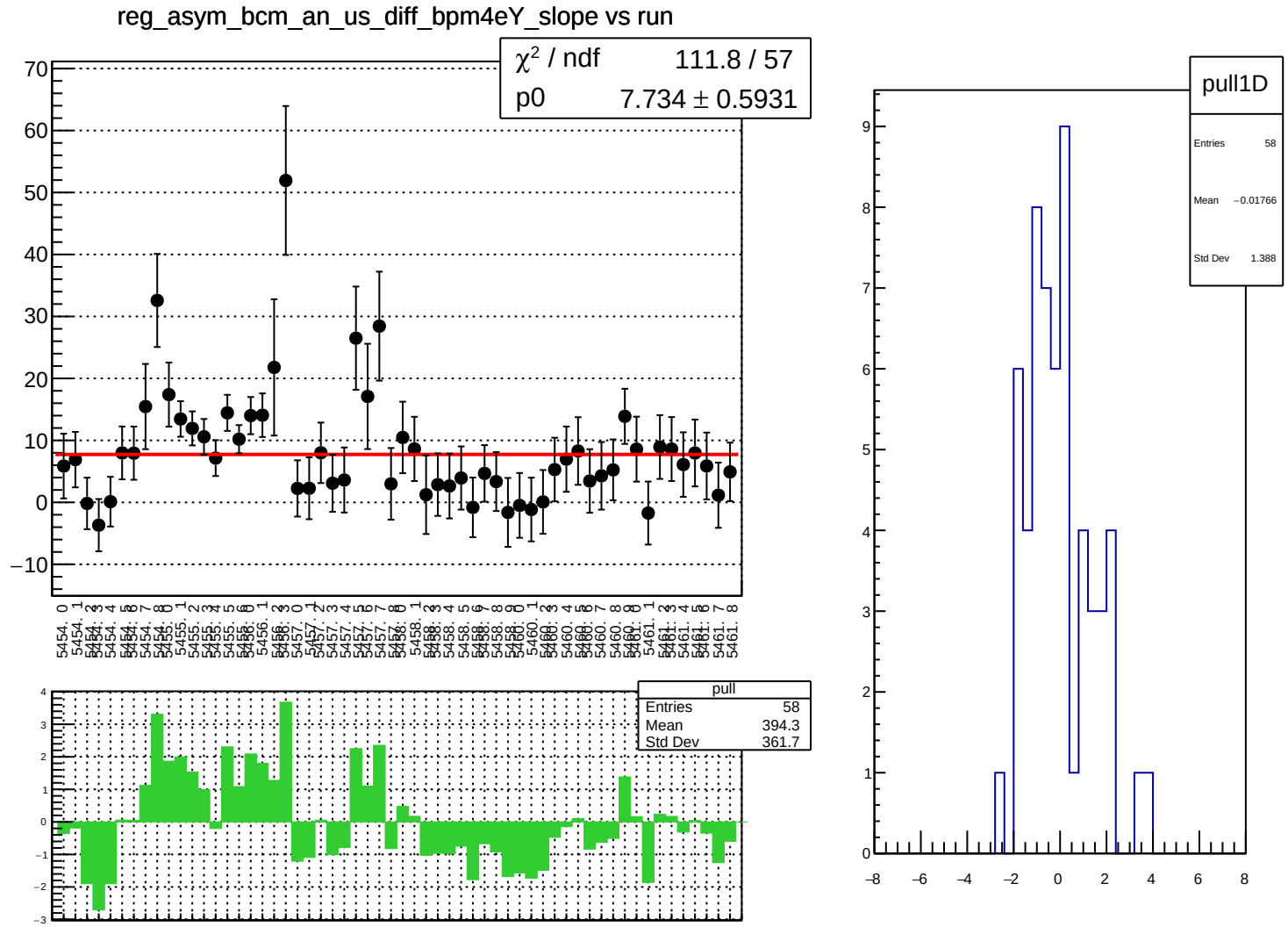

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 203.5 / 57
p0 12.11 ± 0.6885
pull
Entries 58
Mean 27.89
Std Dev 5.812
pull1D
Entries 58
Mean 0.1642
Std Dev 1.503

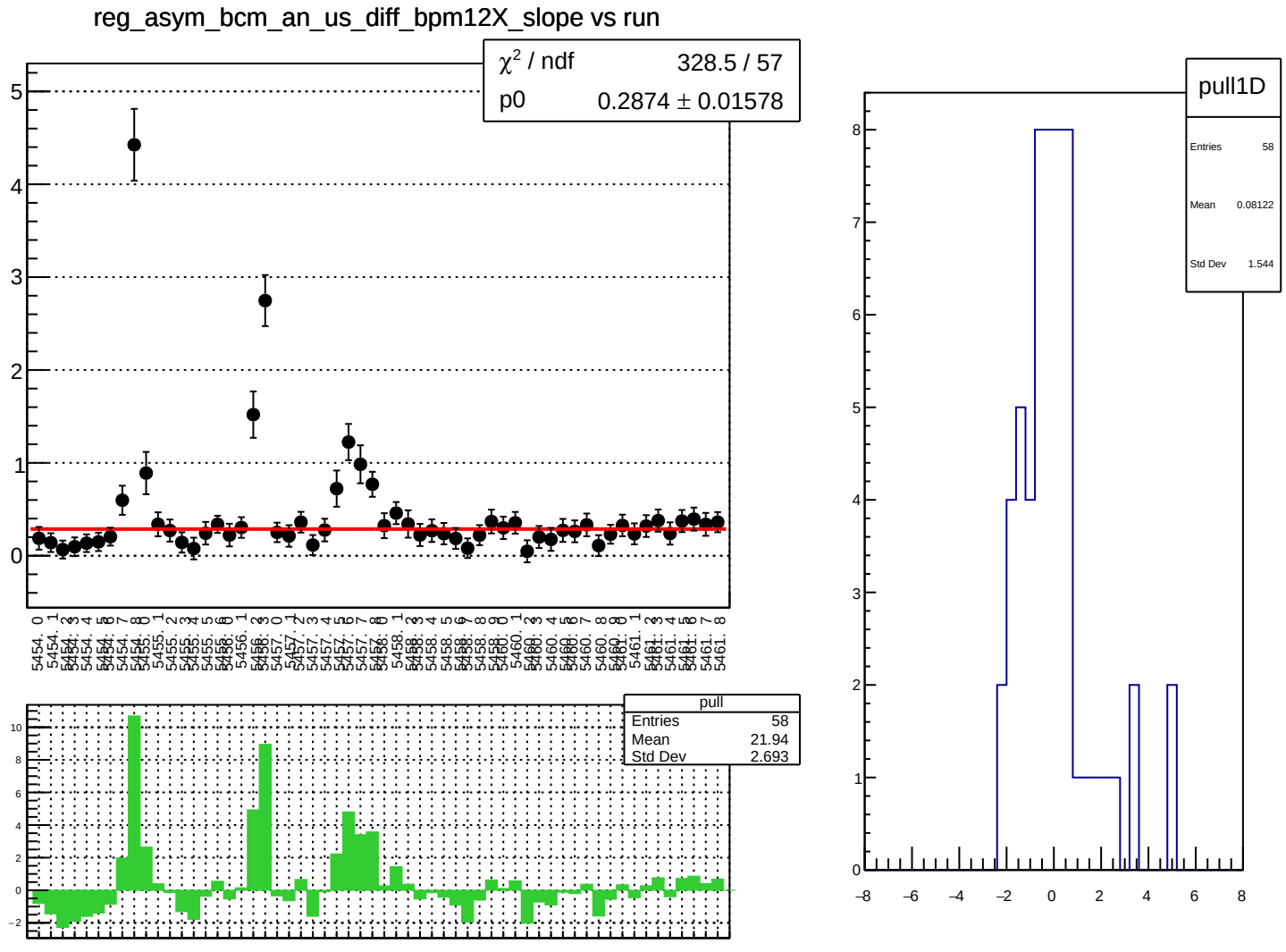

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 117.5 / 57
p0 −4.62 ± 0.4841
pull
Entries 58
Mean 145.5
Std Dev 112.2

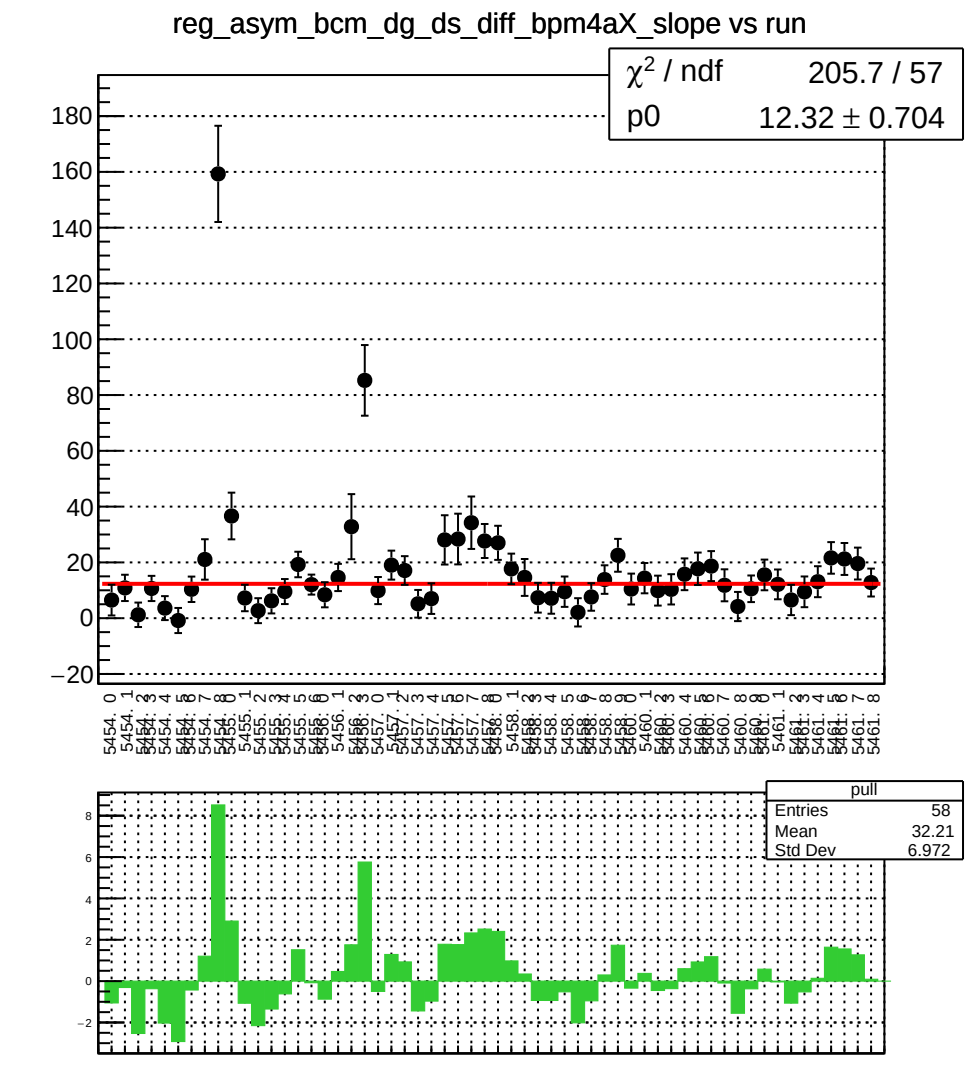

pull1D
Entries 58
Mean 0.06385
Std Dev 1.422

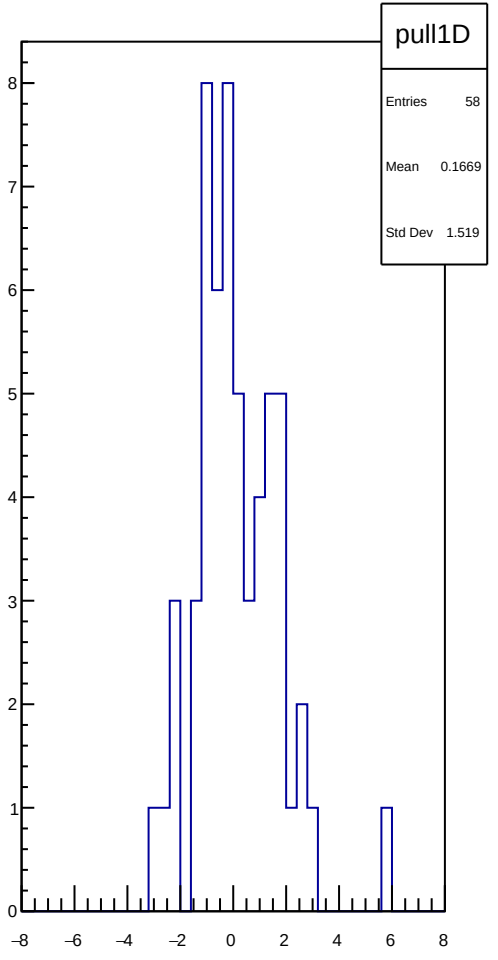

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 202.9 / 57
p0 −11.73 ± 0.6645
pull
Entries 58
Mean 29.16
Std Dev 5.671

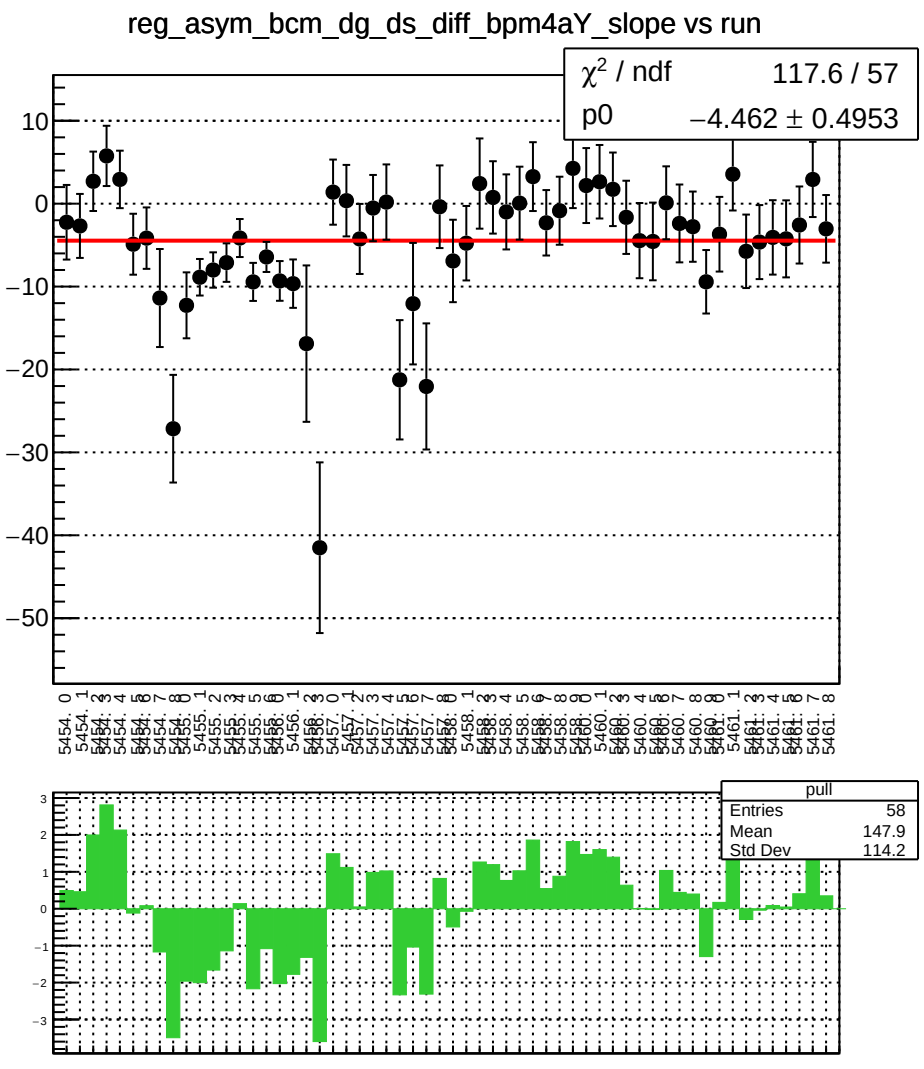

pull1D
Entries 58
Mean −0.1666
Std Dev 1.5

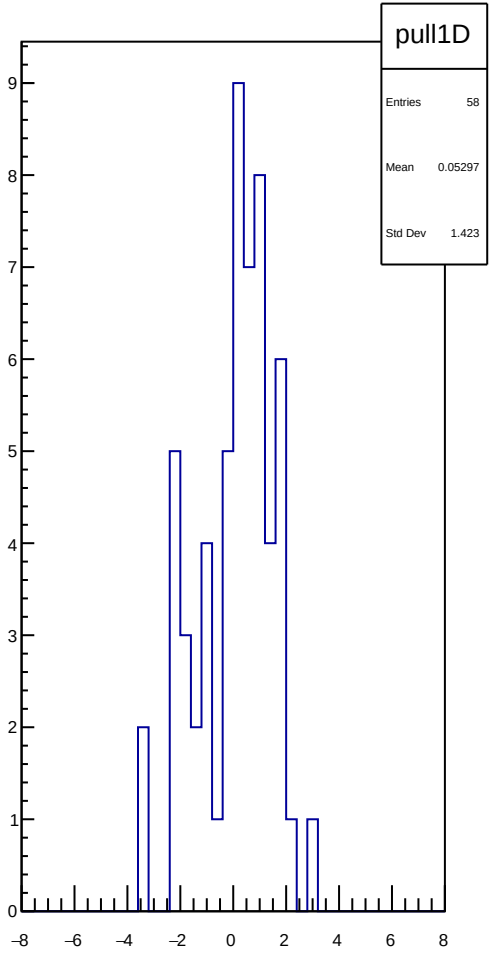

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 111.8 / 57
p0 7.734 ± 0.5931
pull
Entries 58
Mean 394.3
Std Dev 361.7
pull1D
Entries 58
Mean −0.01766
Std Dev 1.388

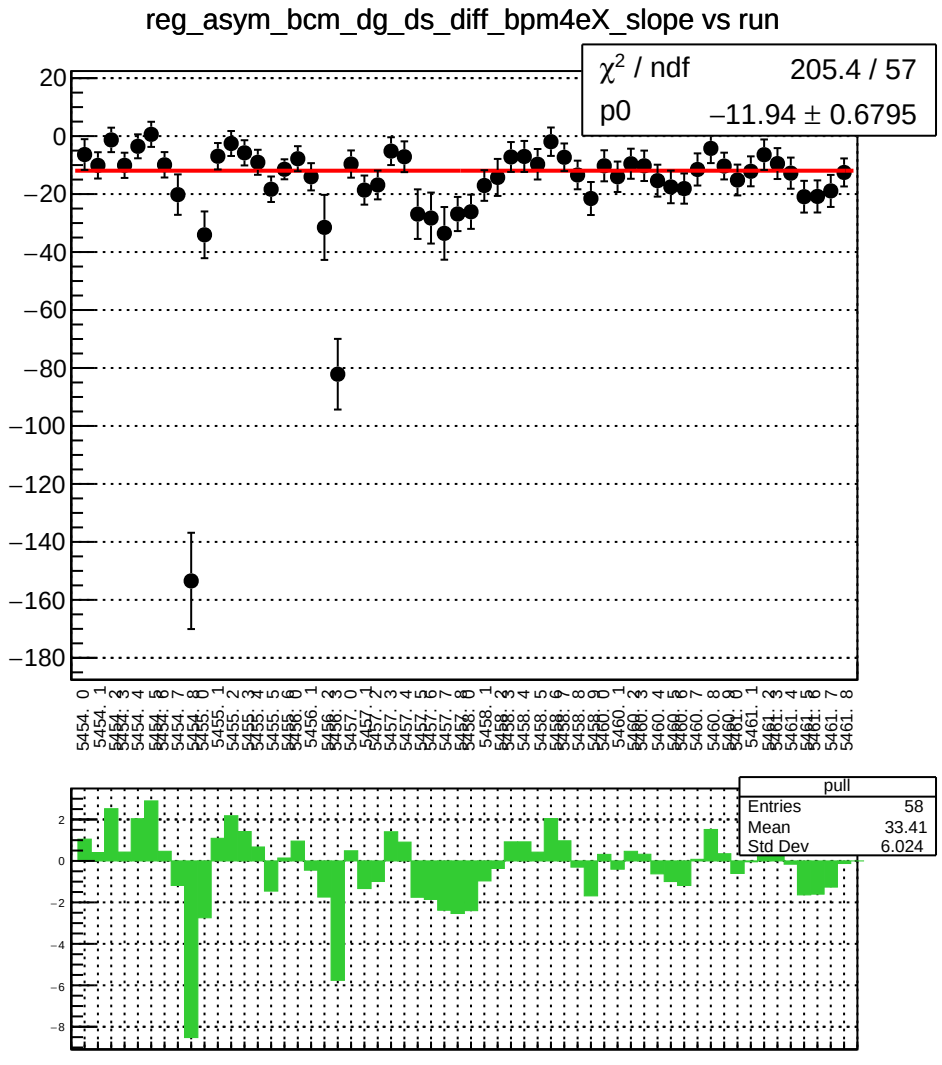

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 328.5 / 57
p0 0.2874 ± 0.01578
pull
Entries 58
Mean 21.94
Std Dev 2.693
pull1D
Entries 58
Mean 0.08122
Std Dev 1.544

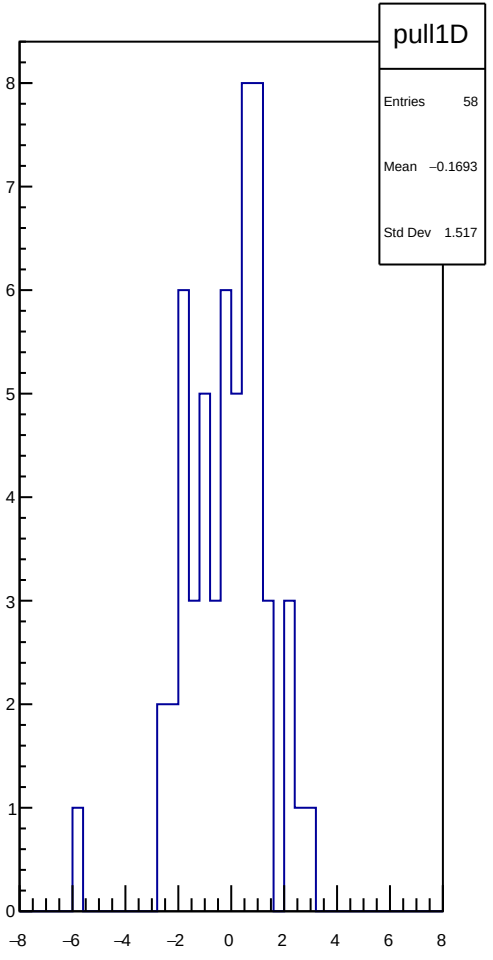

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 205.7 / 57
p0 12.32 ± 0.704
pull
Entries 58
Mean 32.21
Std Dev 6.972

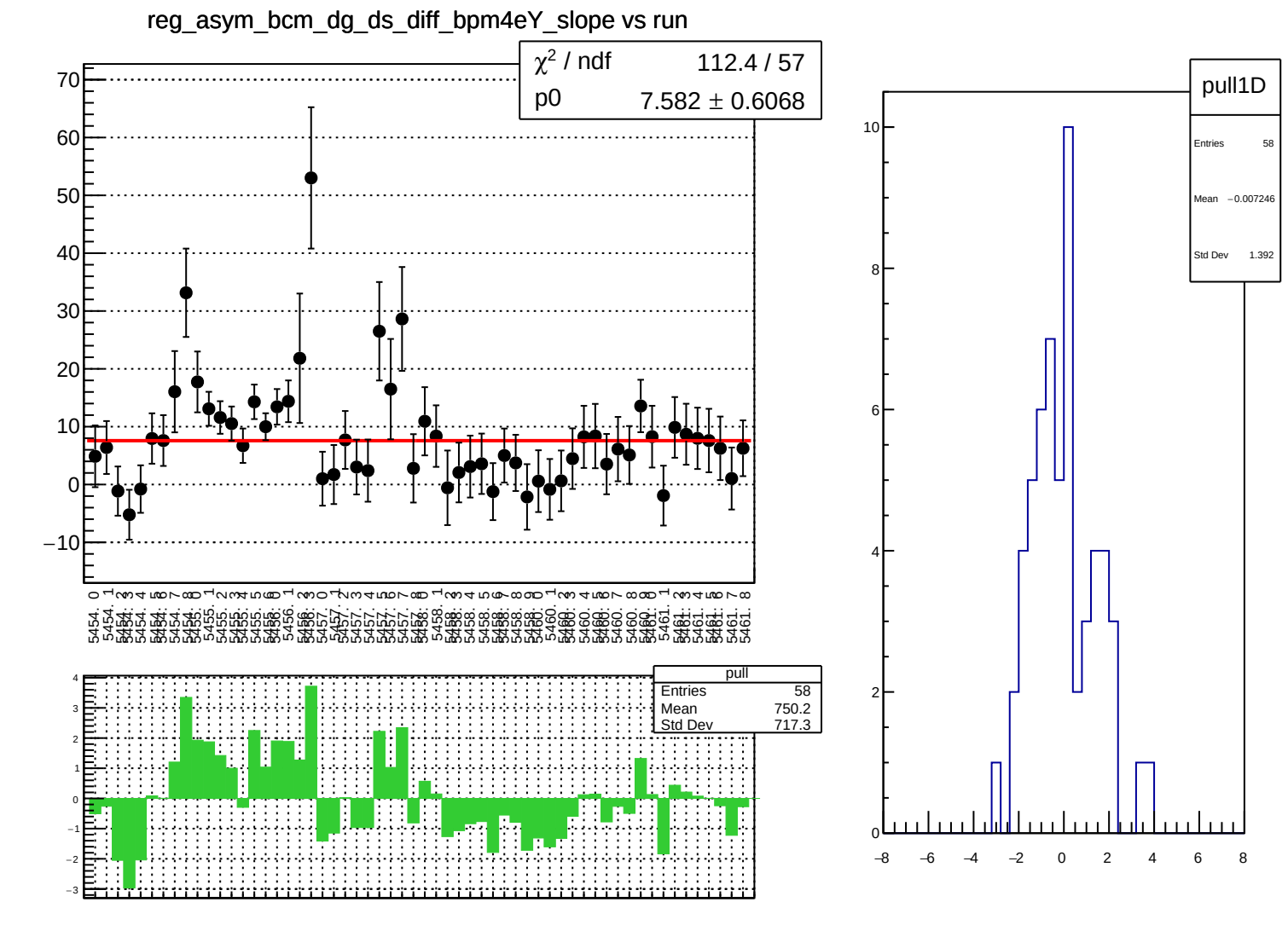

pull1D
Entries 58
Mean 0.1669
Std Dev 1.519

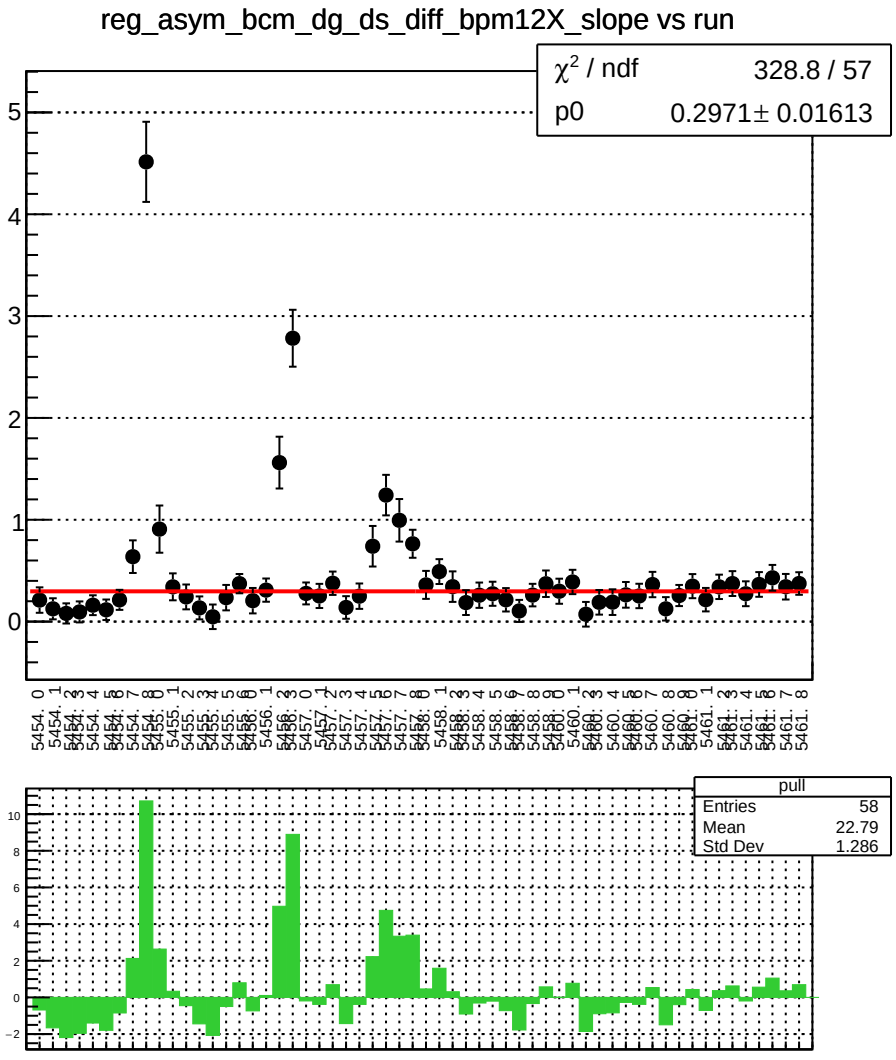

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 117.6 / 57
p0 −4.462 ± 0.4953
pull
Entries 58
Mean 147.9
Std Dev 114.2

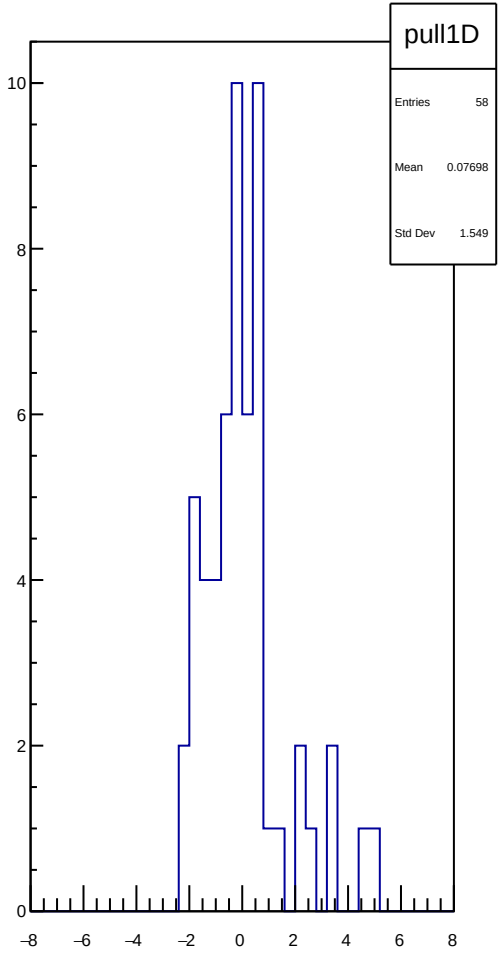

pull1D
Entries 58
Mean 0.05297
Std Dev 1.423

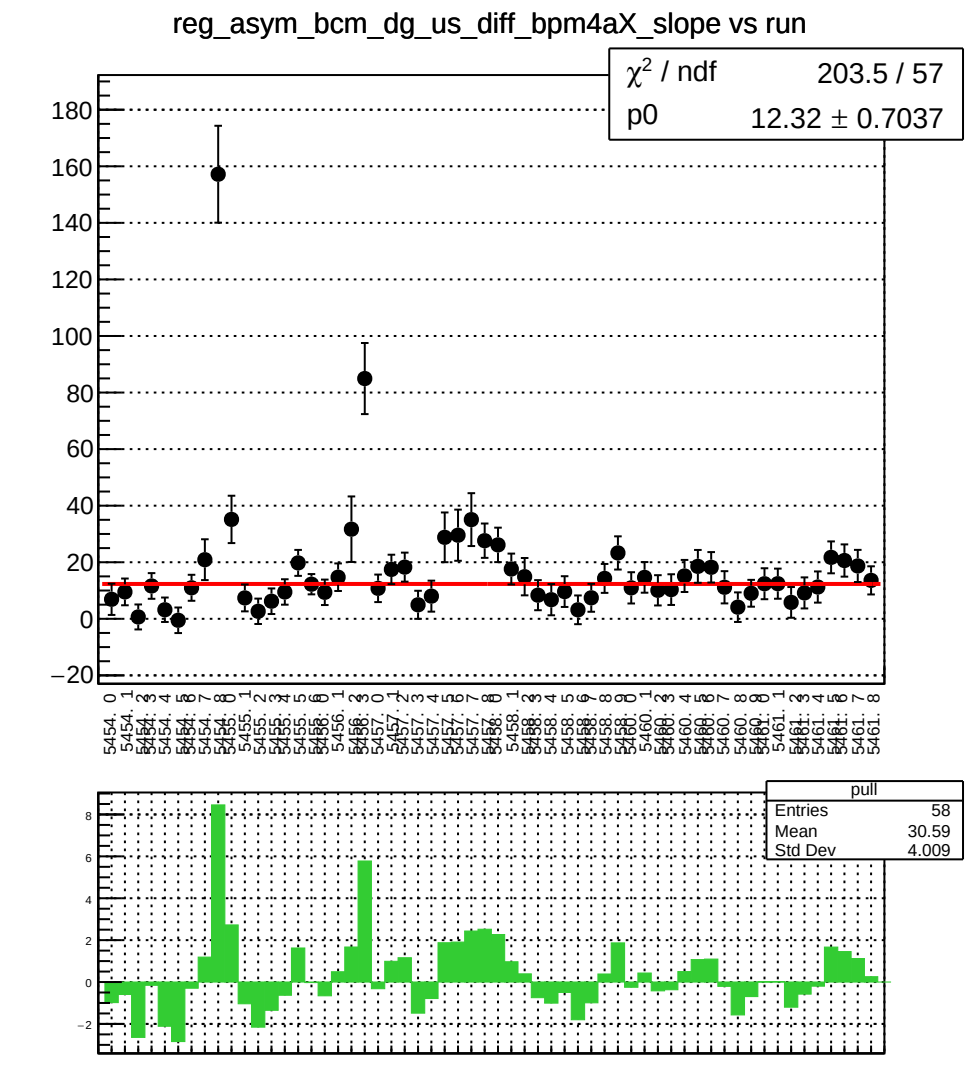

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 205.4 / 57
p0 −11.94 ± 0.6795
pull
Entries 58
Mean 33.41
Std Dev 6.024

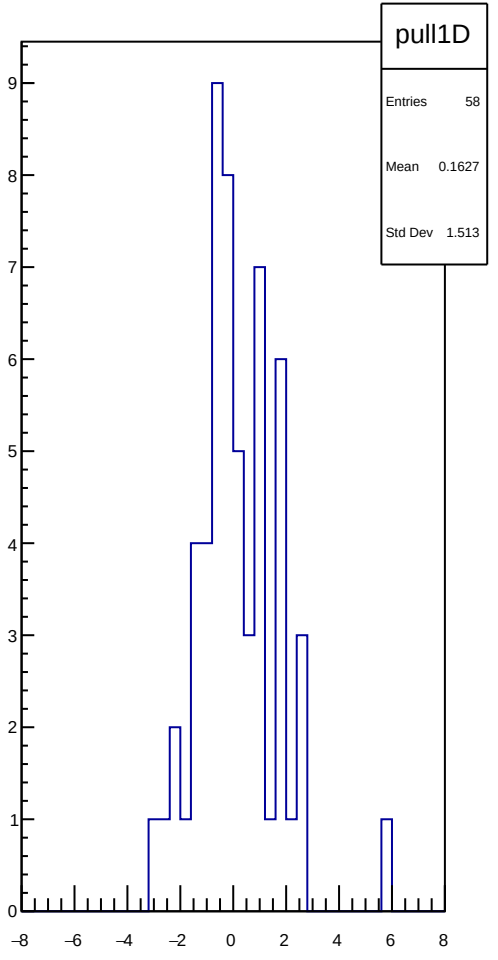

pull1D
Entries 58
Mean −0.1693
Std Dev 1.517

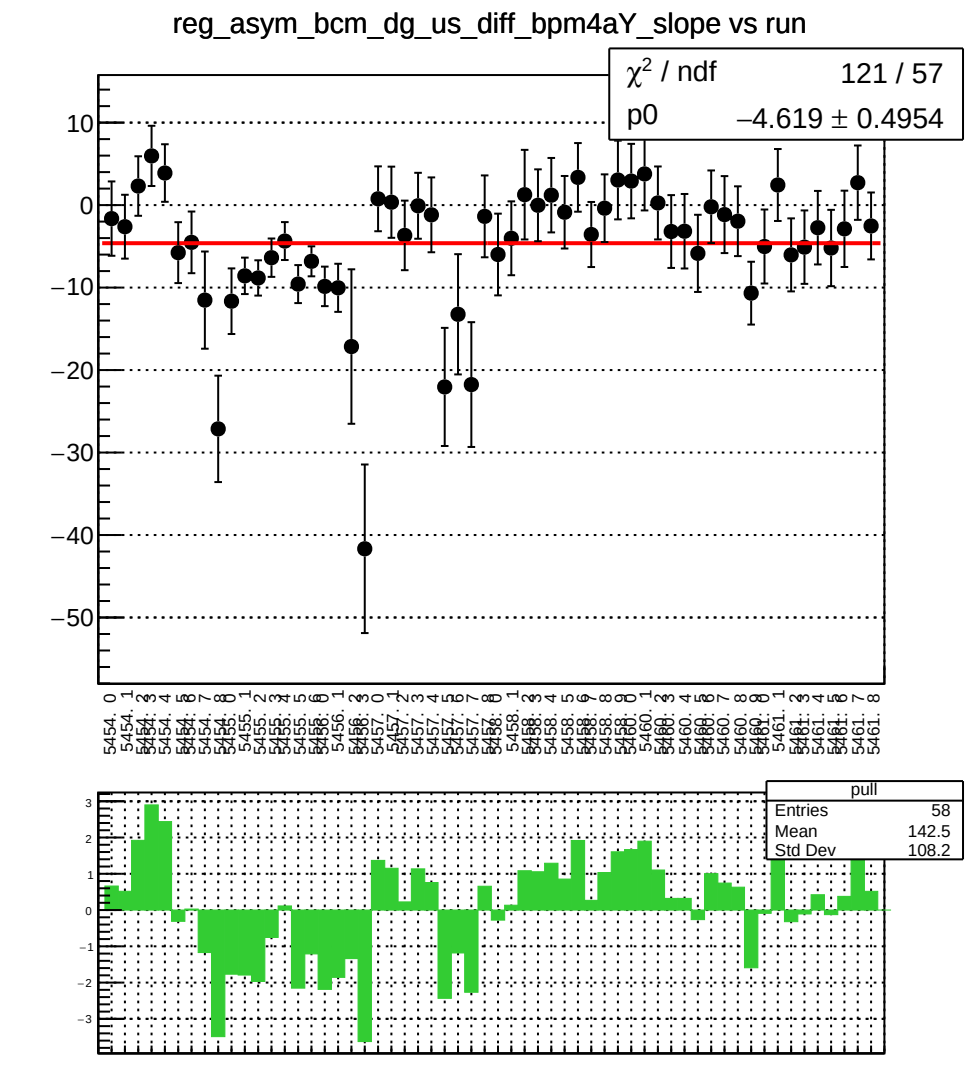

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 112.4 / 57
p0 7.582 ± 0.6068
pull
Entries 58
Mean 750.2
Std Dev 717.3
pull1D
Entries 58
Mean −0.007246
Std Dev 1.392

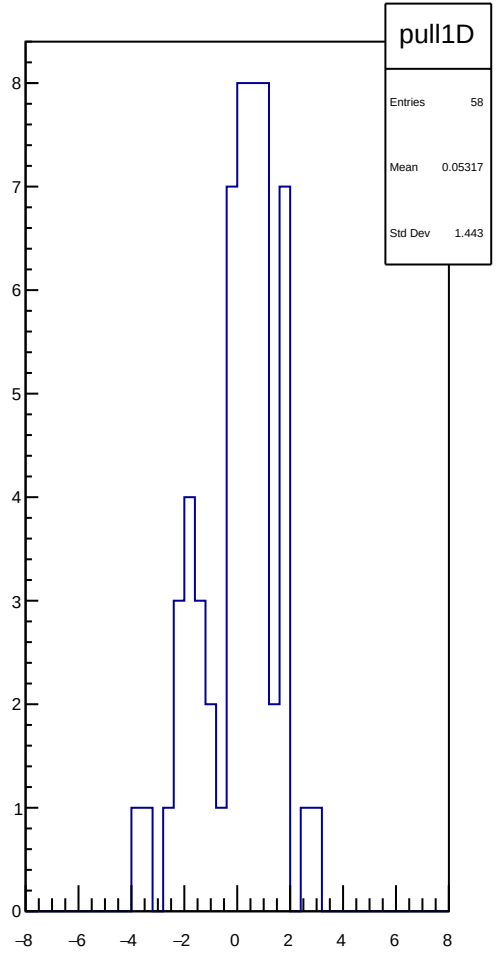

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 328.8 / 57
p0 0.2971± 0.01613
pull
Entries 58
Mean 22.79
Std Dev 1.286

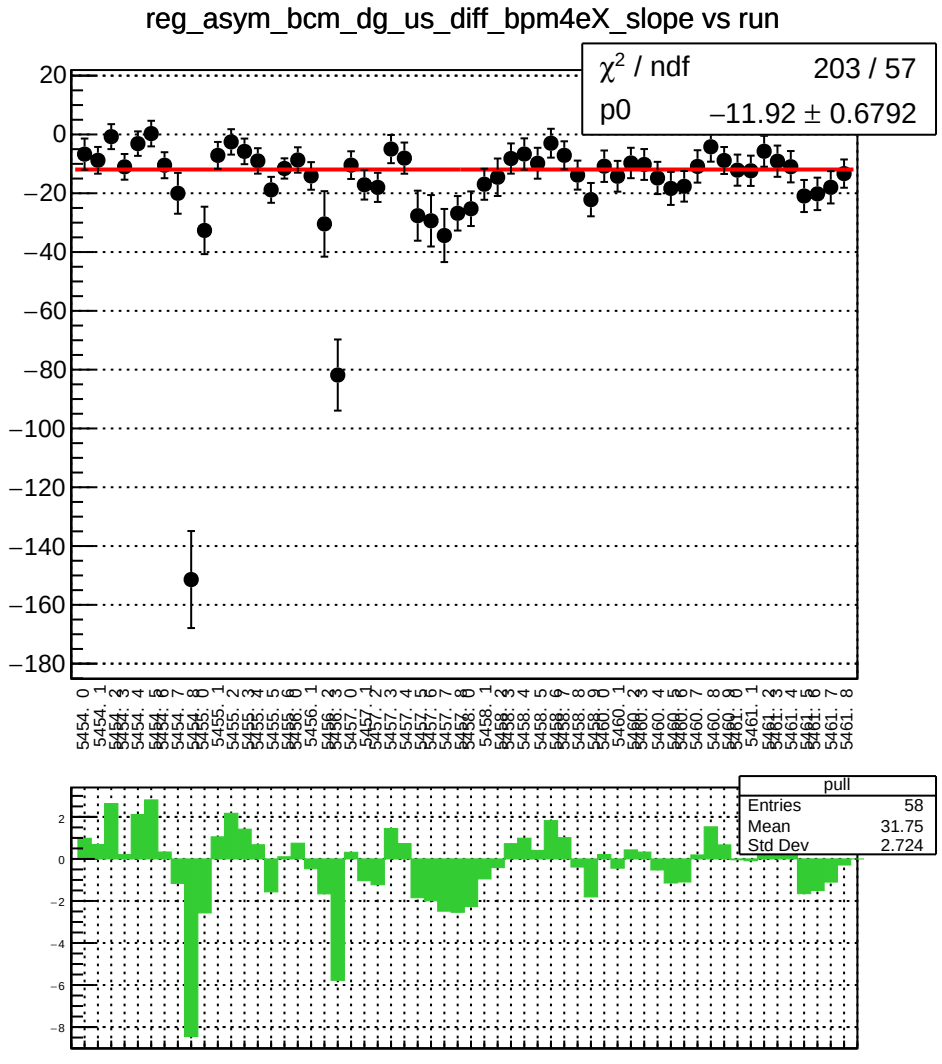

pull1D
Entries 58
Mean 0.07698
Std Dev 1.549

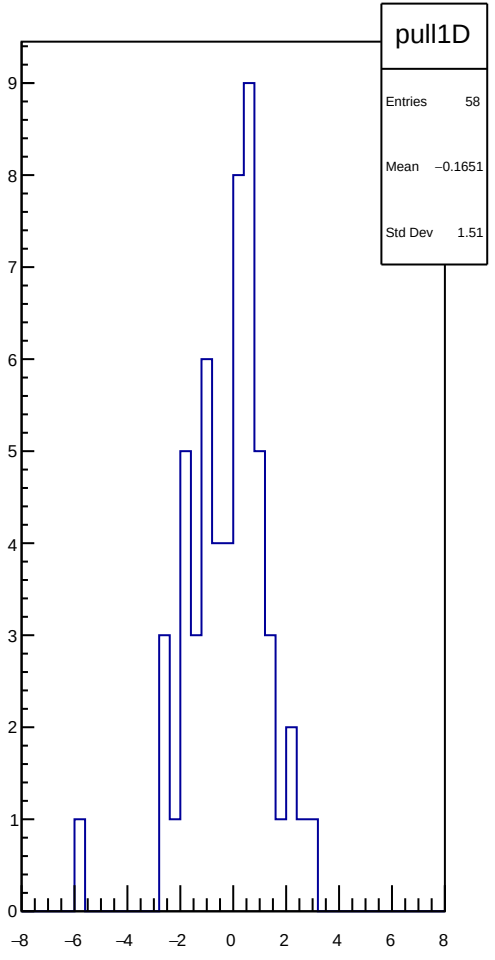

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 203.5 / 57
p0 12.32 ± 0.7037
pull
Entries 58
Mean 30.59
Std Dev 4.009

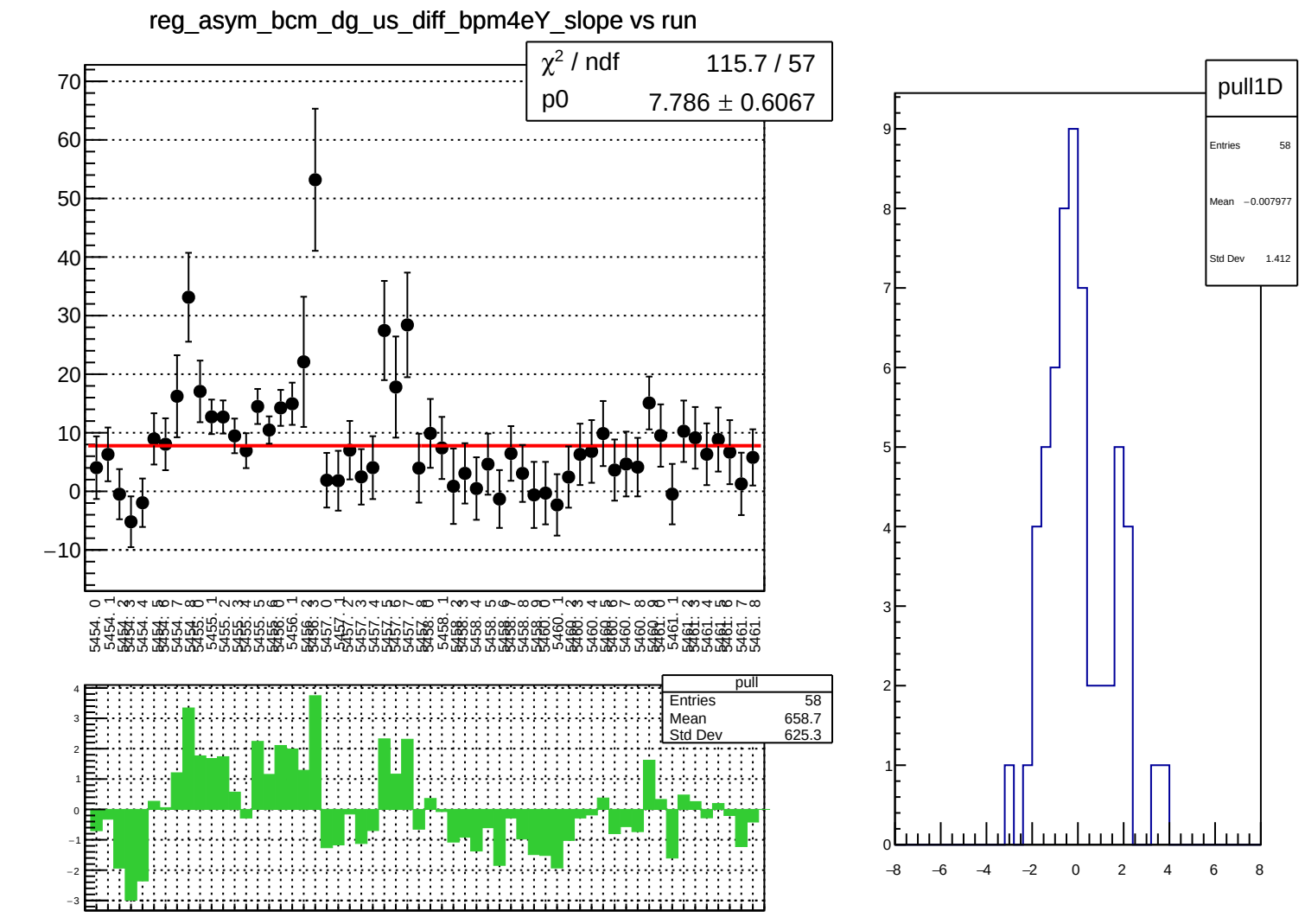

pull1D
Entries 58
Mean 0.1627
Std Dev 1.513

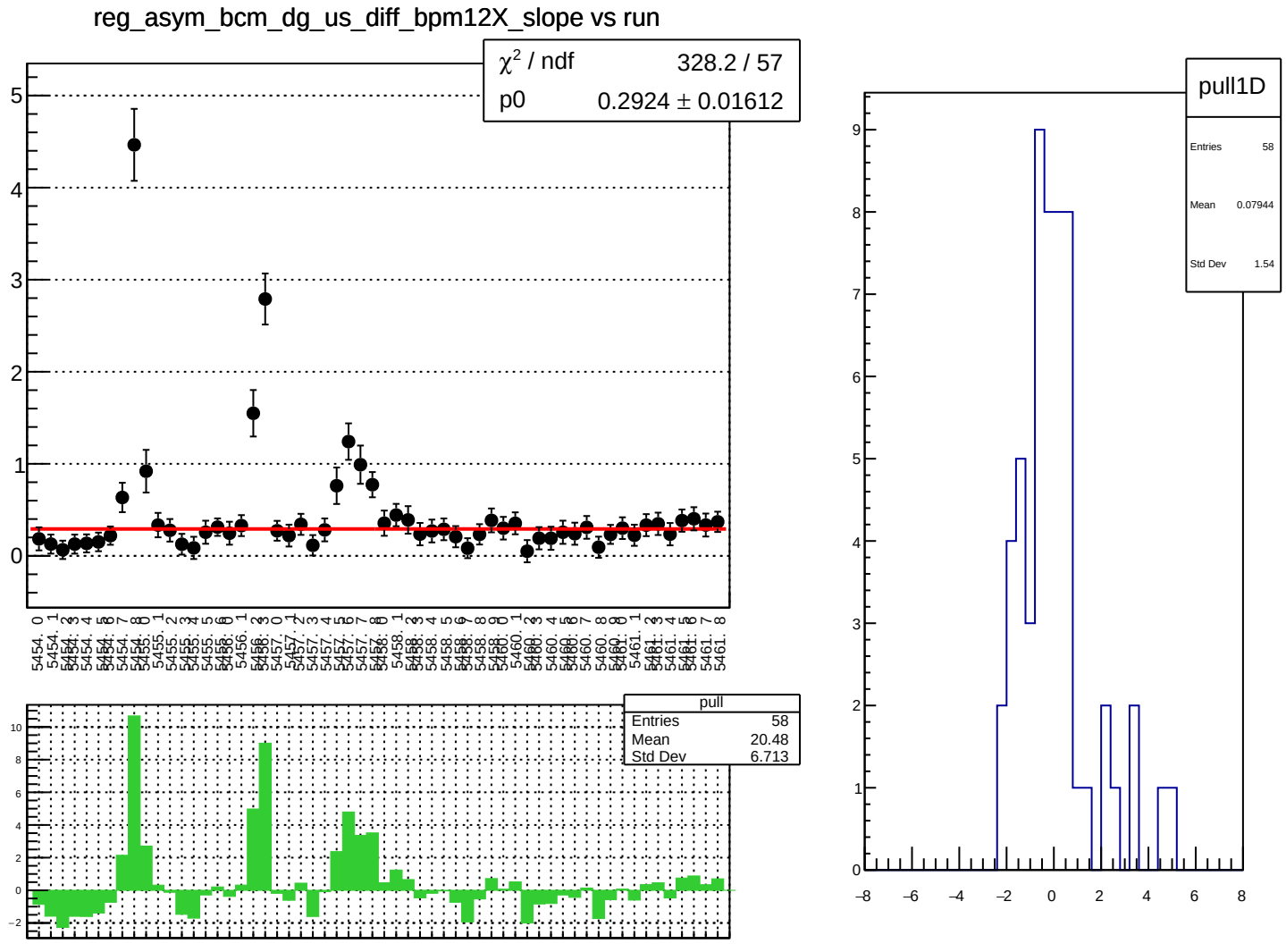

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 121 / 57
p0 −4.619 ± 0.4954
pull
Entries 58
Mean 142.5
Std Dev 108.2


pull1D
Entries 58
Mean 0.05317
Std Dev 1.443


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 203 / 57
p0 −11.92 ± 0.6792
pull
Entries 58
Mean 31.75
Std Dev 2.724


pull1D
Entries 58
Mean −0.1651
Std Dev 1.51


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 115.7 / 57
p0 7.786 ± 0.6067
pull
Entries 58
Mean 658.7
Std Dev 625.3
pull1D
Entries 58
Mean −0.007977
Std Dev 1.412


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 328.2 / 57
p0 0.2924 ± 0.01612
pull
Entries 58
Mean 20.48
Std Dev 6.713
pull1D
Entries 58
Mean 0.07944
Std Dev 1.54