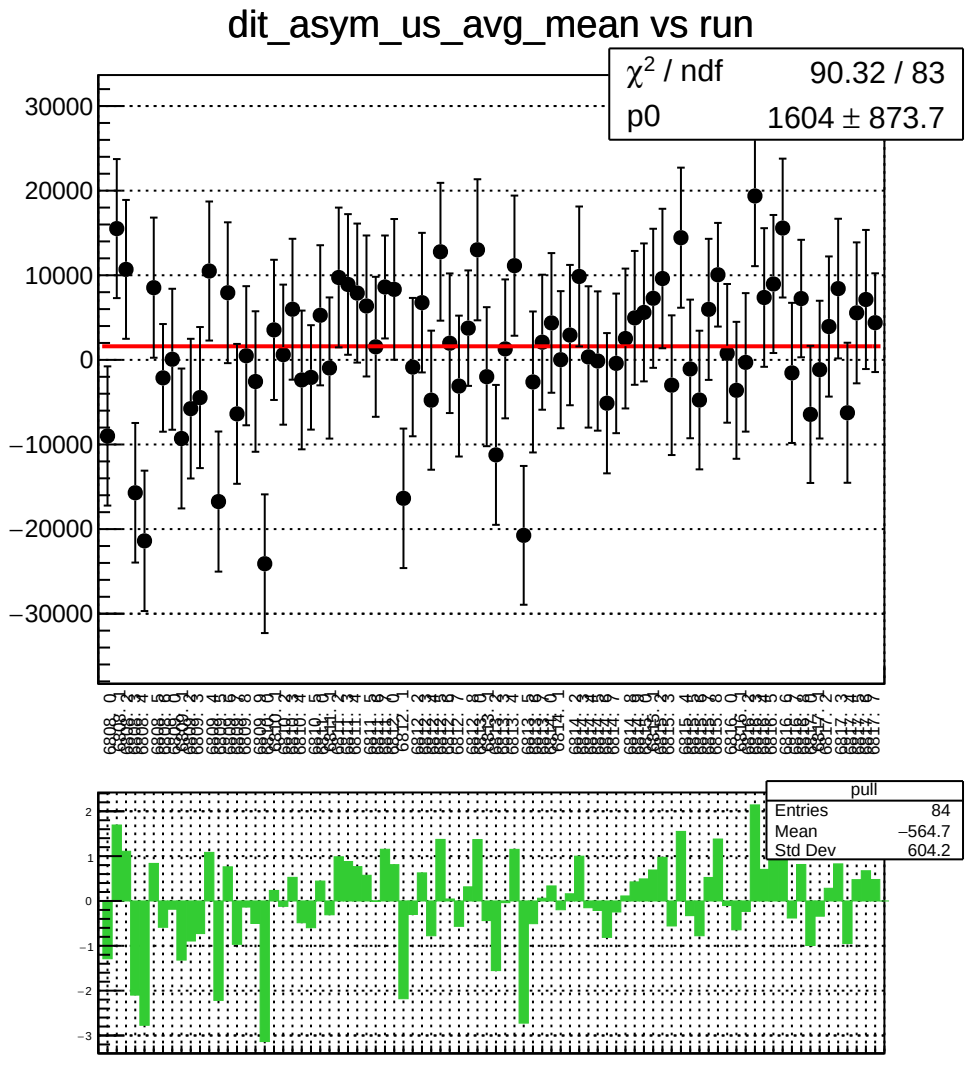
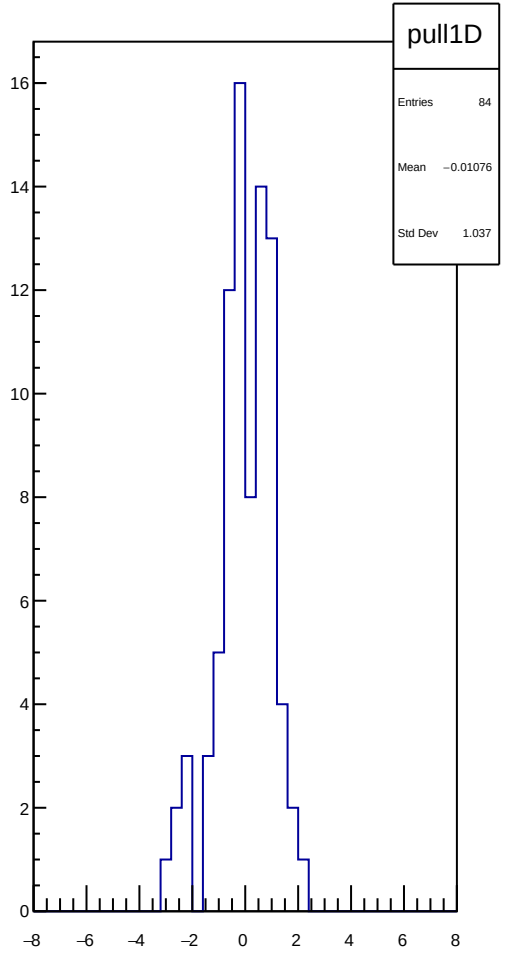
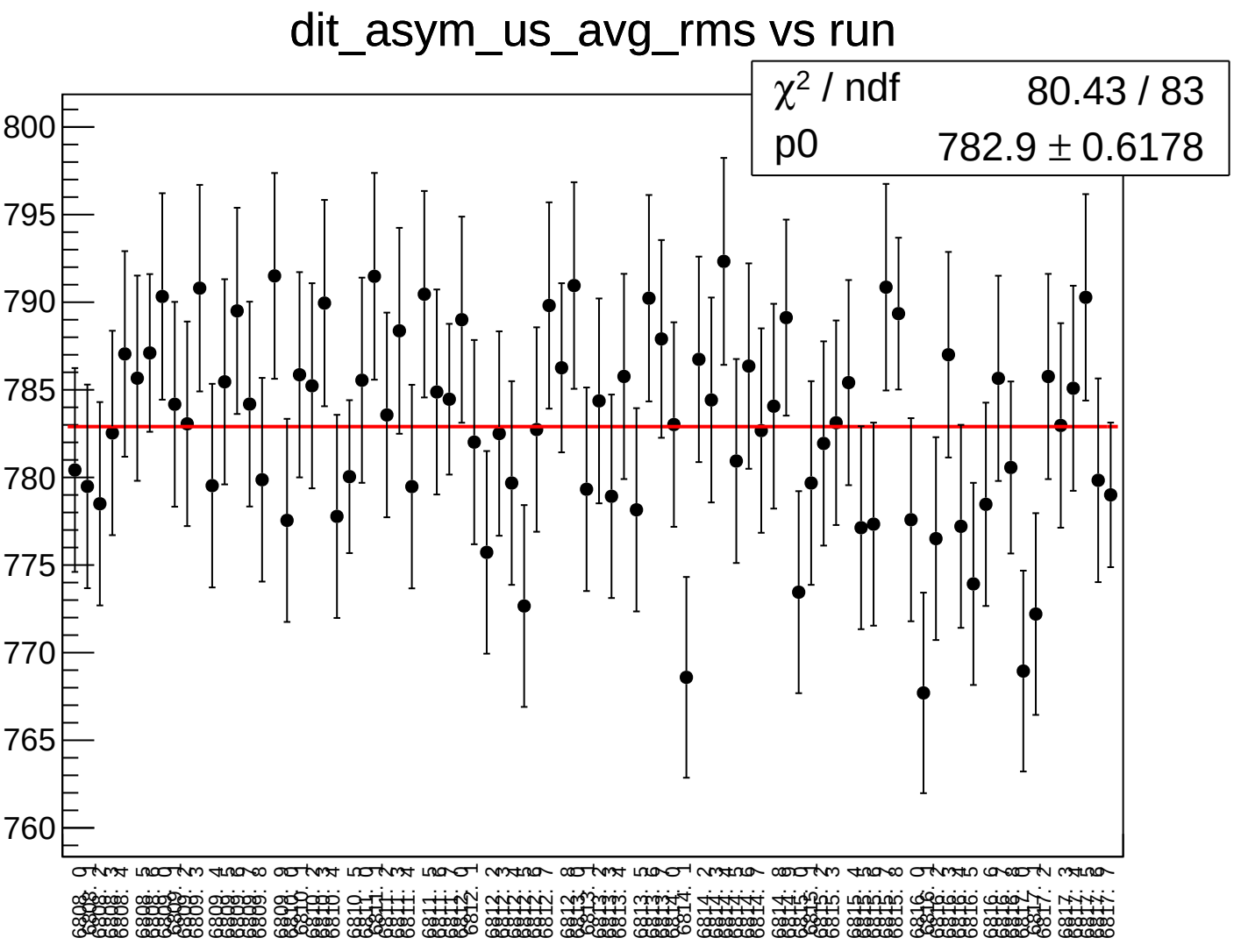
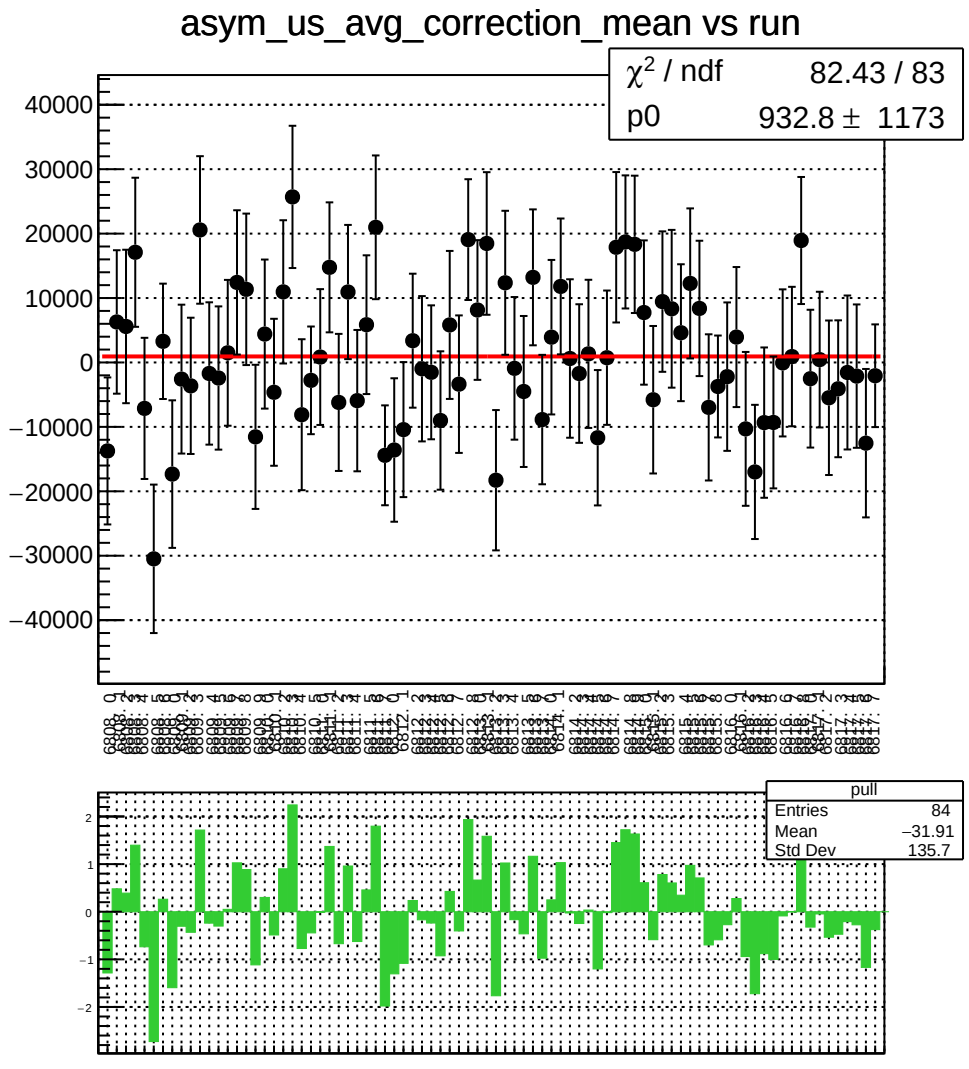
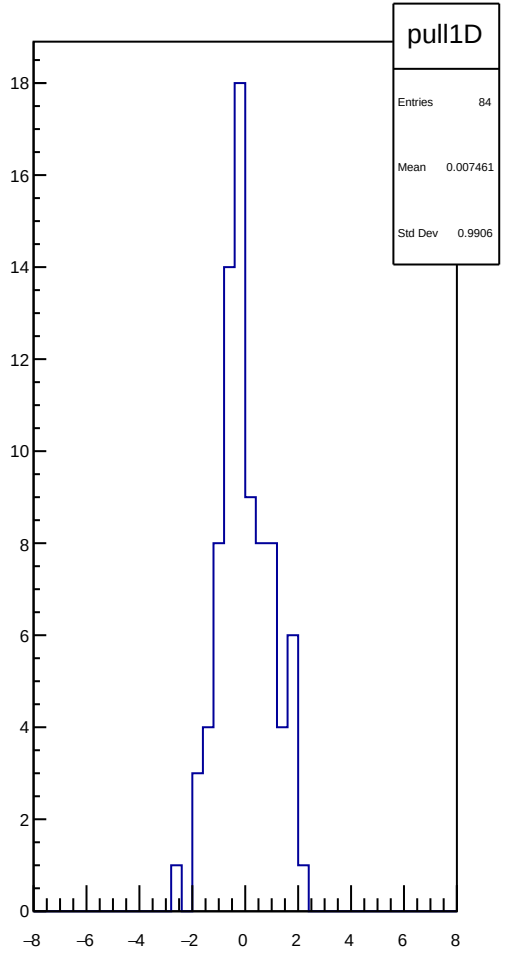
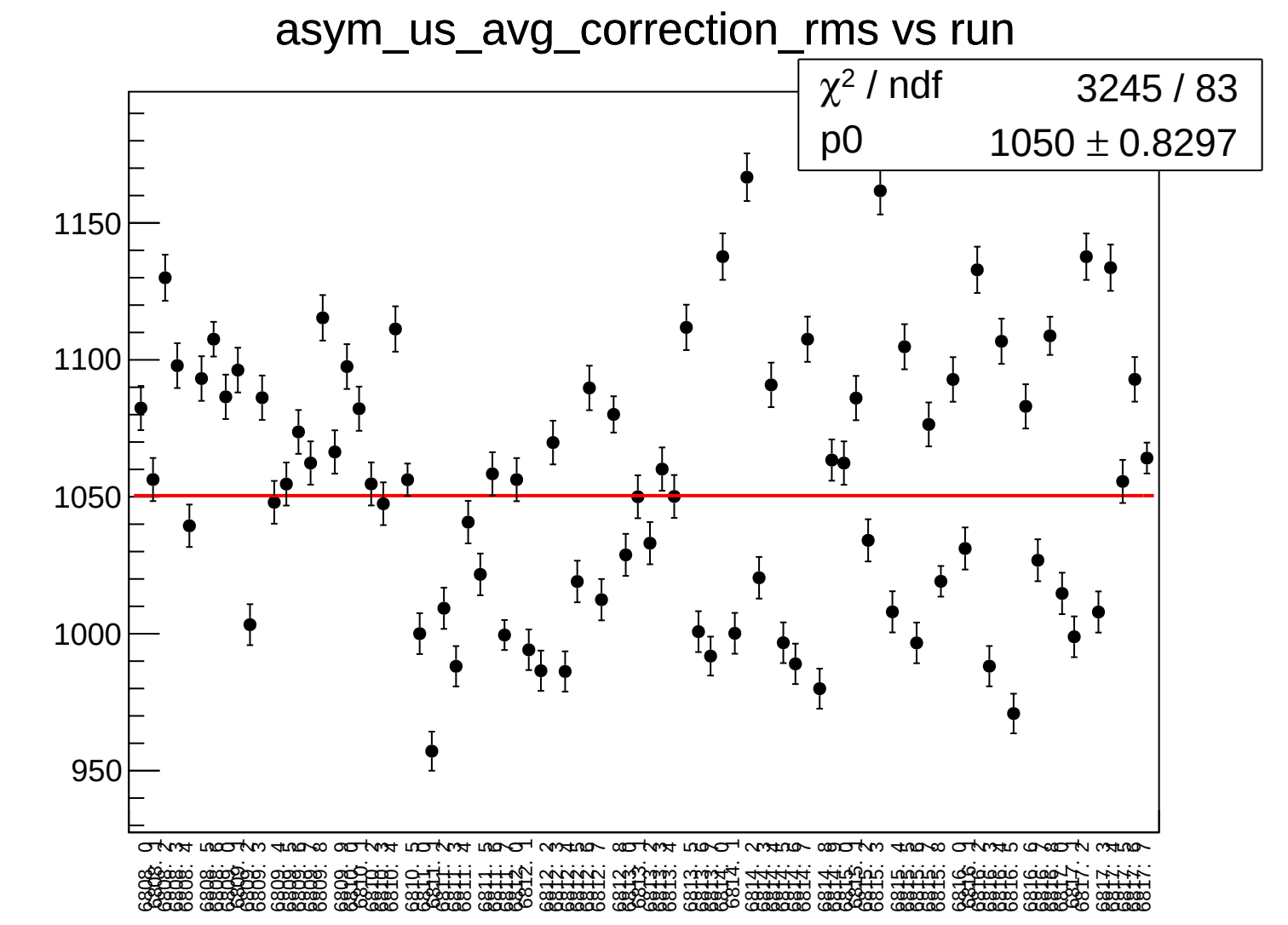

dit_asym_us_avg_mean vs run
χ² / ndf 90.32 / 83
p0 1604 ± 873.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −564.7
Std Dev 604.2
2
1
0
−1
−2
−3

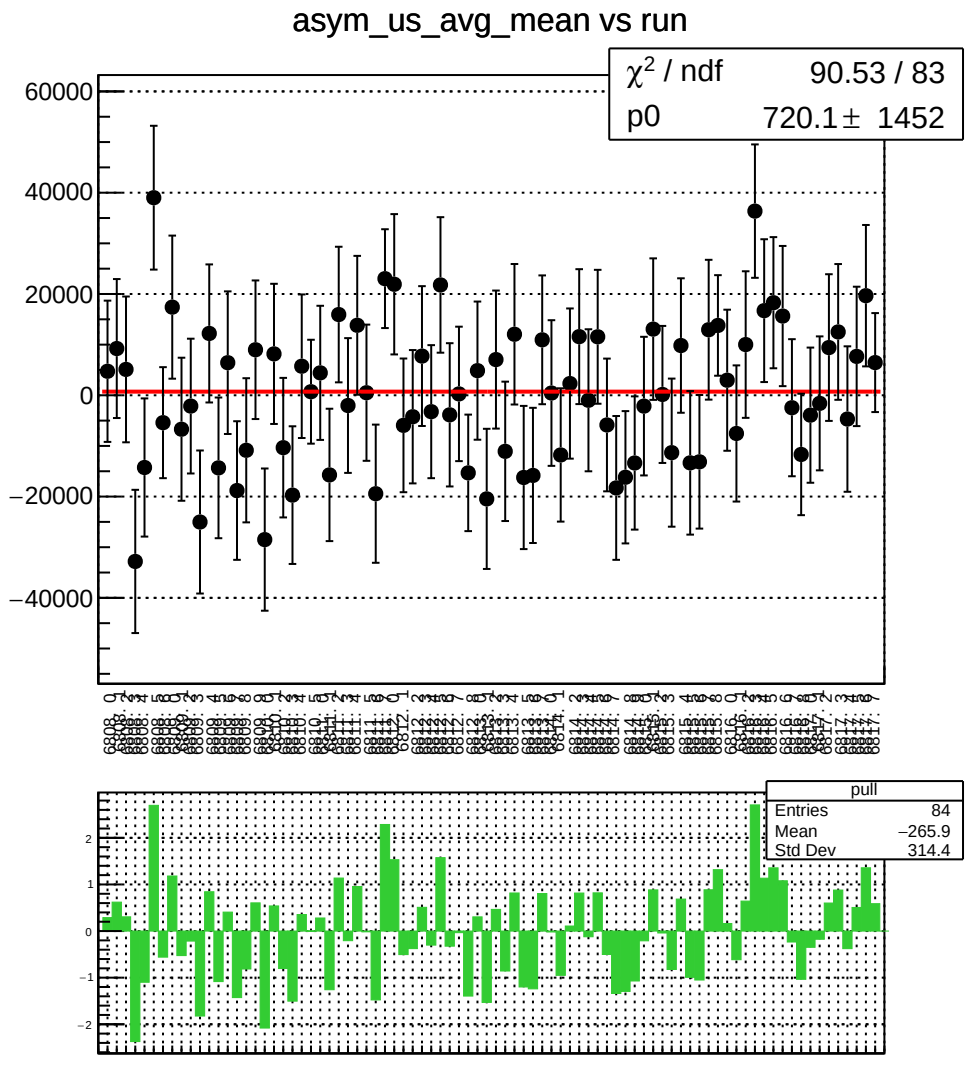

pull1D
Entries 84
Mean −0.01076
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

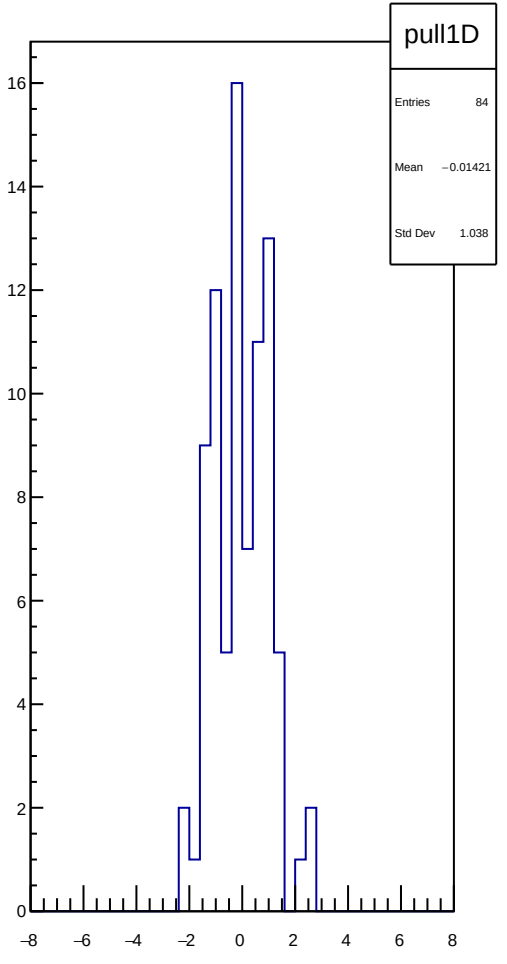

dit_asym_us_avg_rms vs run
χ² / ndf 80.43 / 83
p0 782.9 ± 0.6178
800
795
790
785
780
775
770
765
760

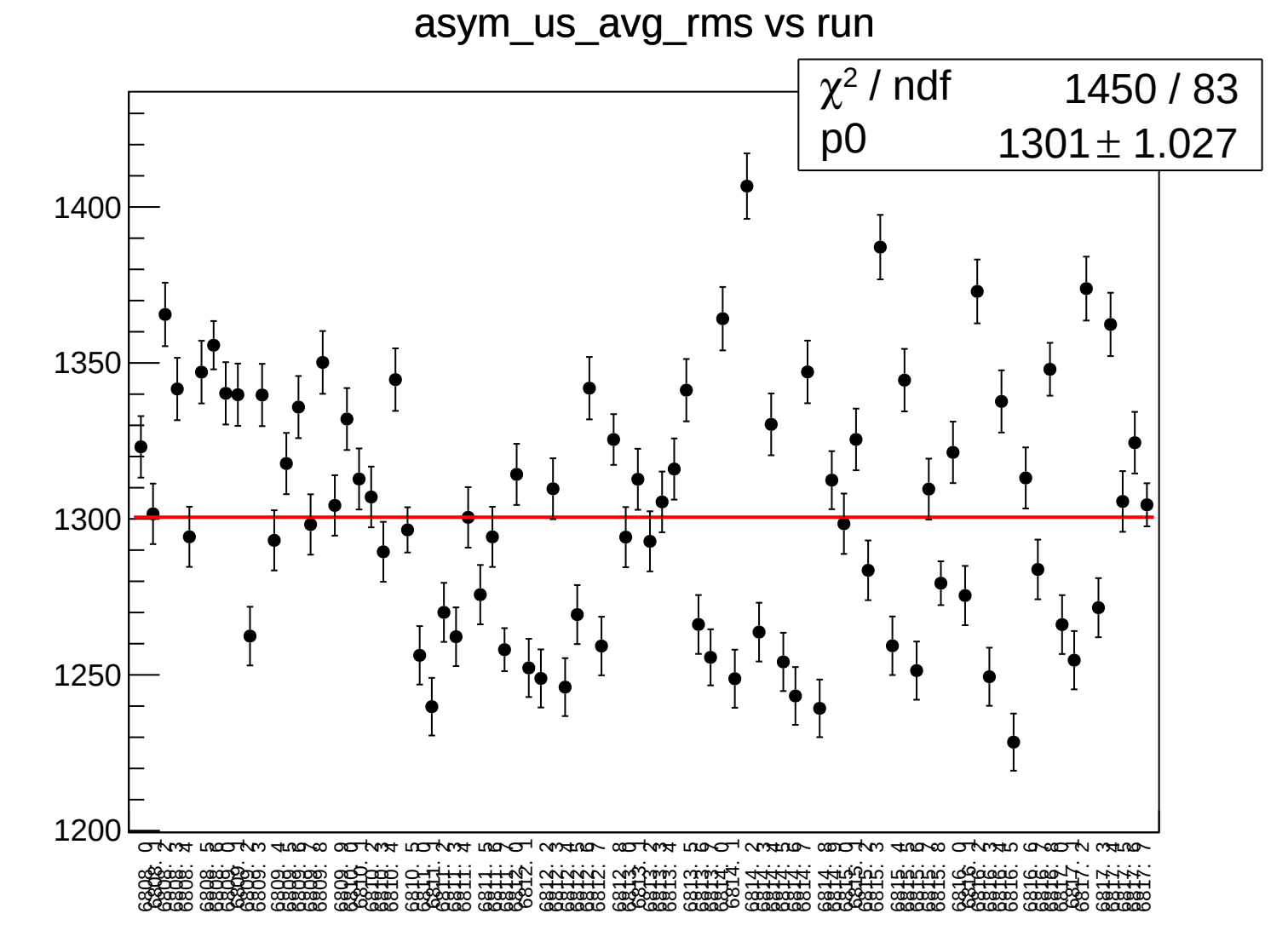

asym_us_avg_correction_mean vs run
χ² / ndf 82.43 / 83
p0 932.8 ± 1173
pull
Entries 84
Mean −31.91
Std Dev 135.7

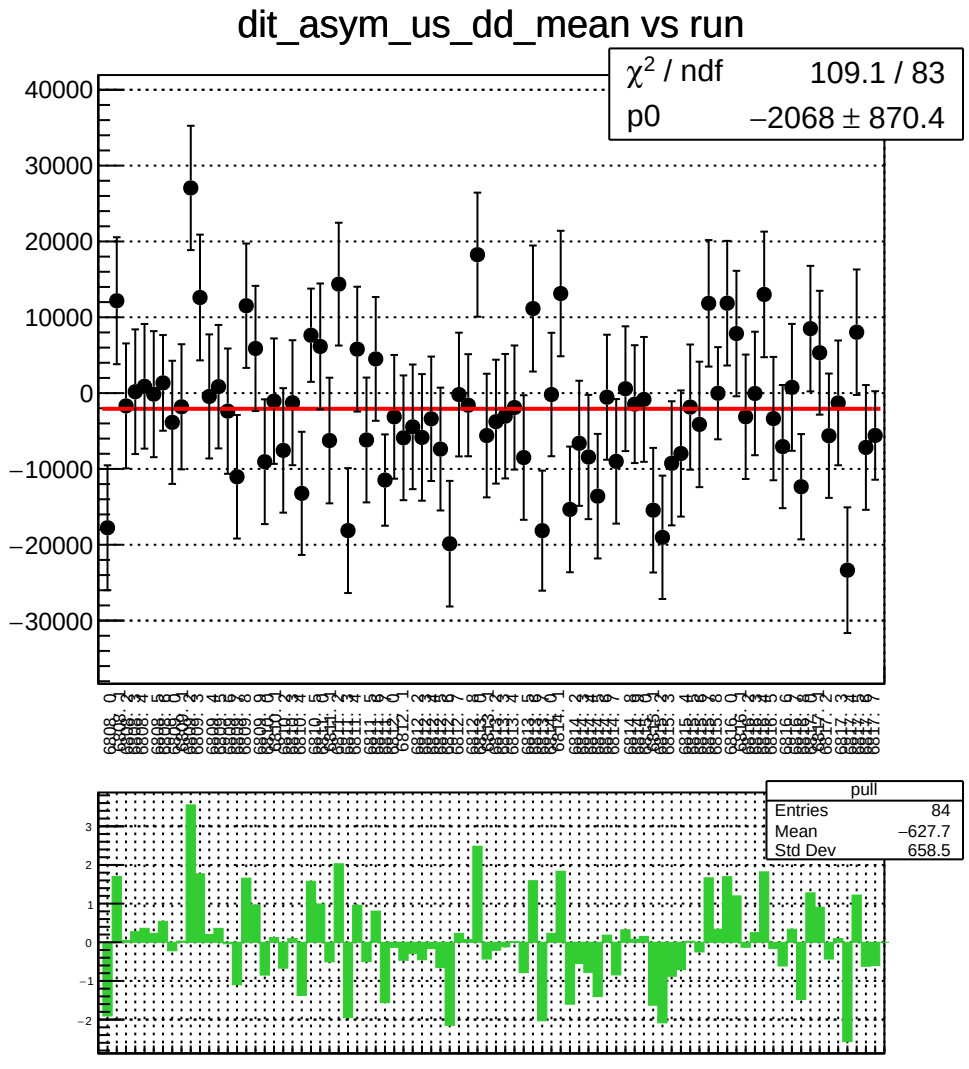

pull1D
Entries 84
Mean 0.007461
Std Dev 0.9906

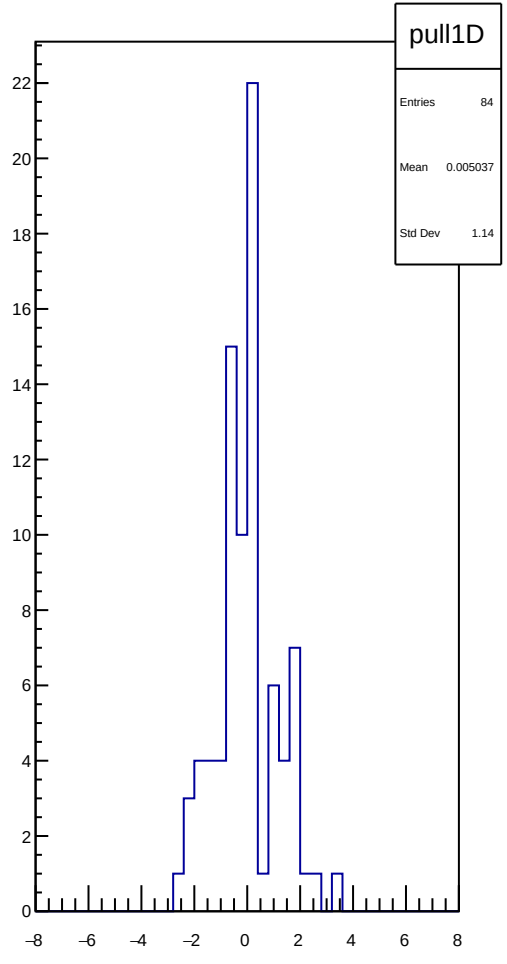

asym_us_avg_correction_rms vs run
χ^2 / ndf 3245 / 83
p0 1050 ± 0.8297
1150
1100
1050
1000
950

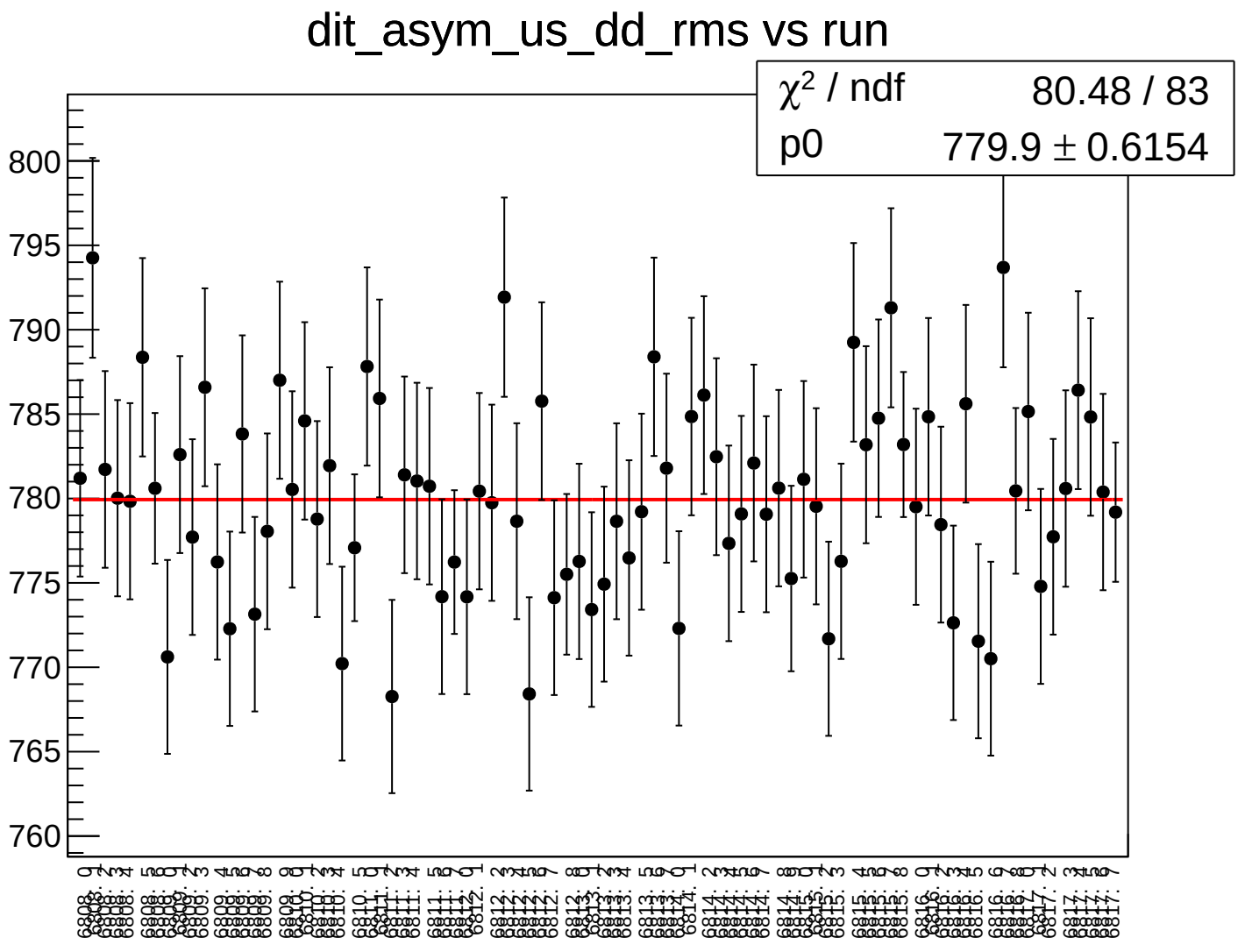

asym_us_avg_mean vs run
χ² / ndf 90.53 / 83
p0 720.1 ± 1452
60000
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −265.9
Std Dev 314.4
2
1
0
−1
−2

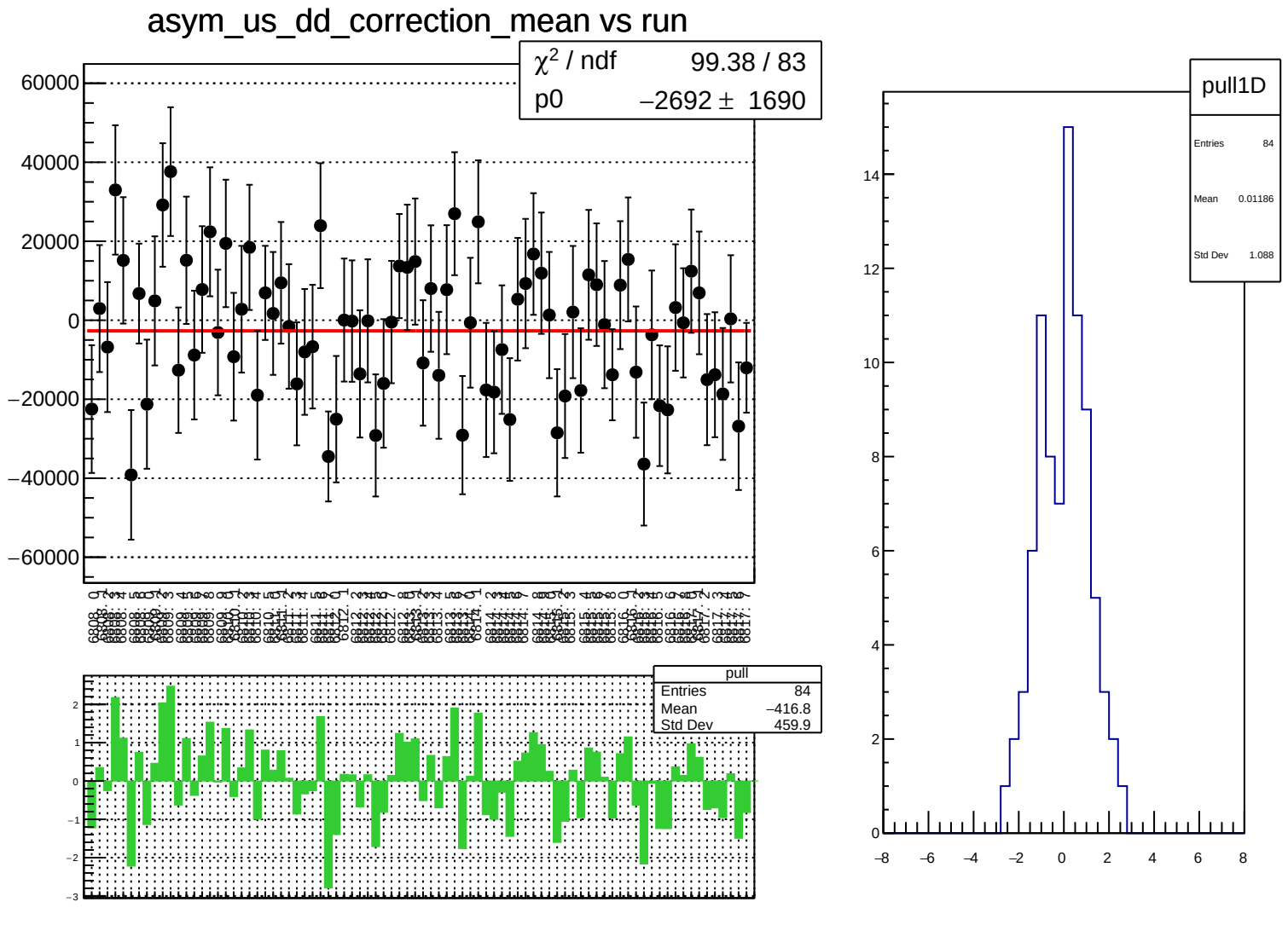

pull1D
Entries 84
Mean −0.01421
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

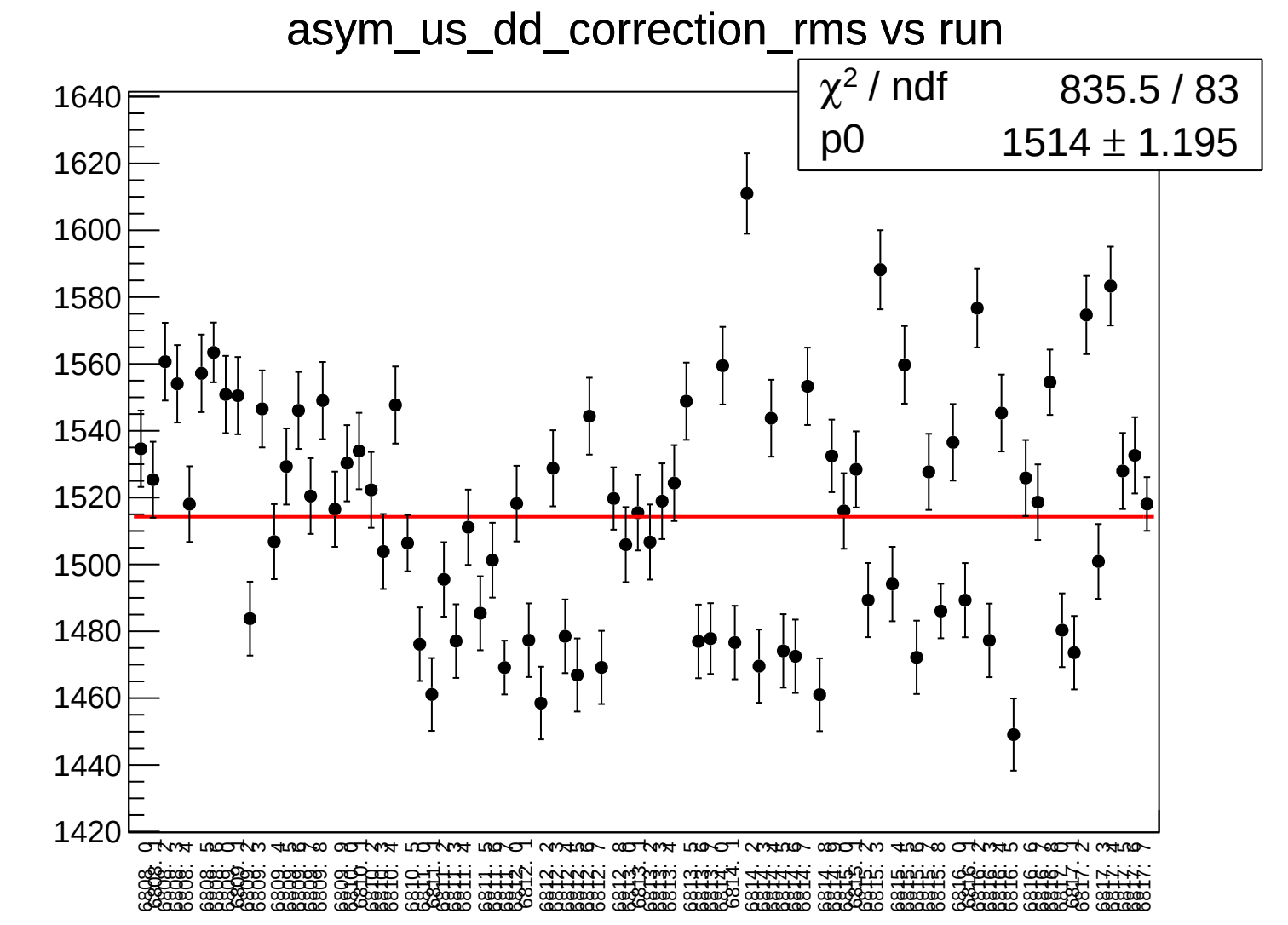

asym_us_avg_rms vs run
χ^2 / ndf 1450 / 83
p0 1301 ± 1.027
1400
1350
1300
1250
1200

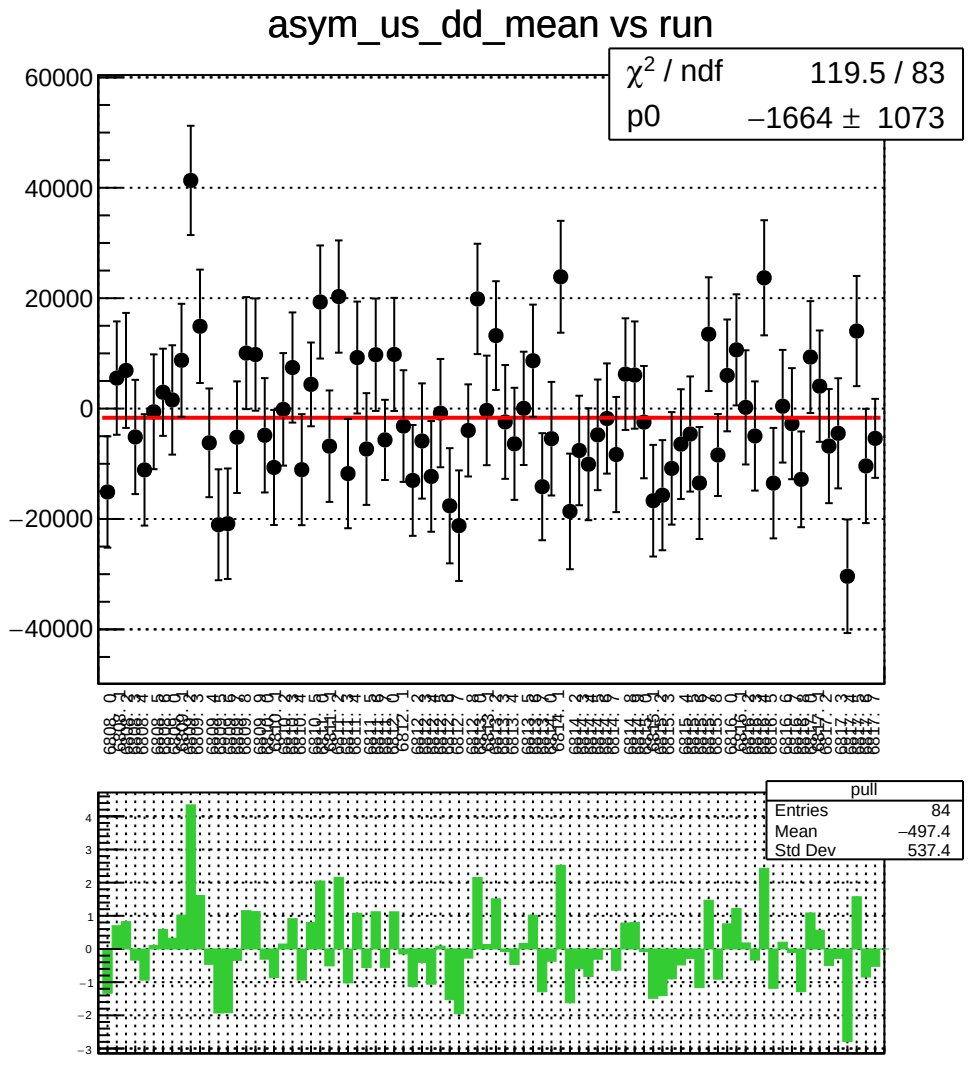

dit_asym_us_dd_mean vs run
χ² / ndf 109.1 / 83
p0 −2068 ± 870.4
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −627.7
Std Dev 658.5
3
2
1
0
−1
−2

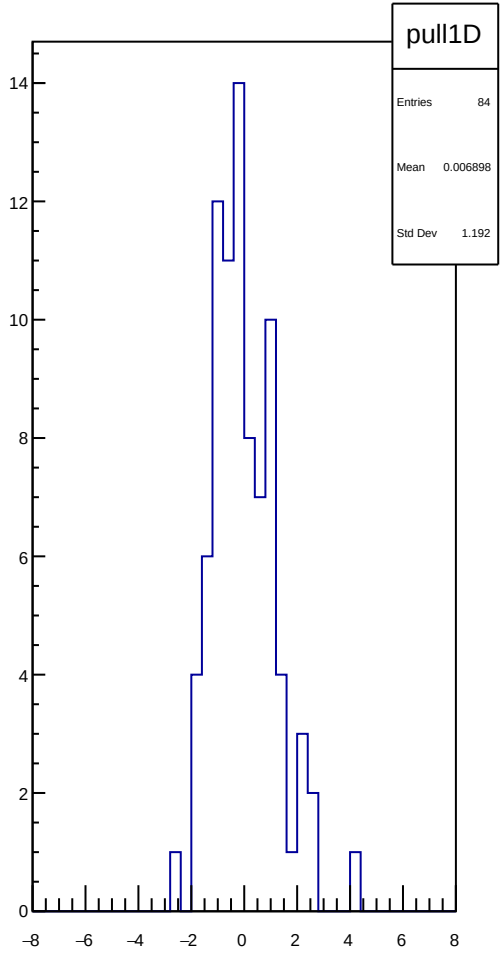

pull1D
Entries 84
Mean 0.005037
Std Dev 1.14
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

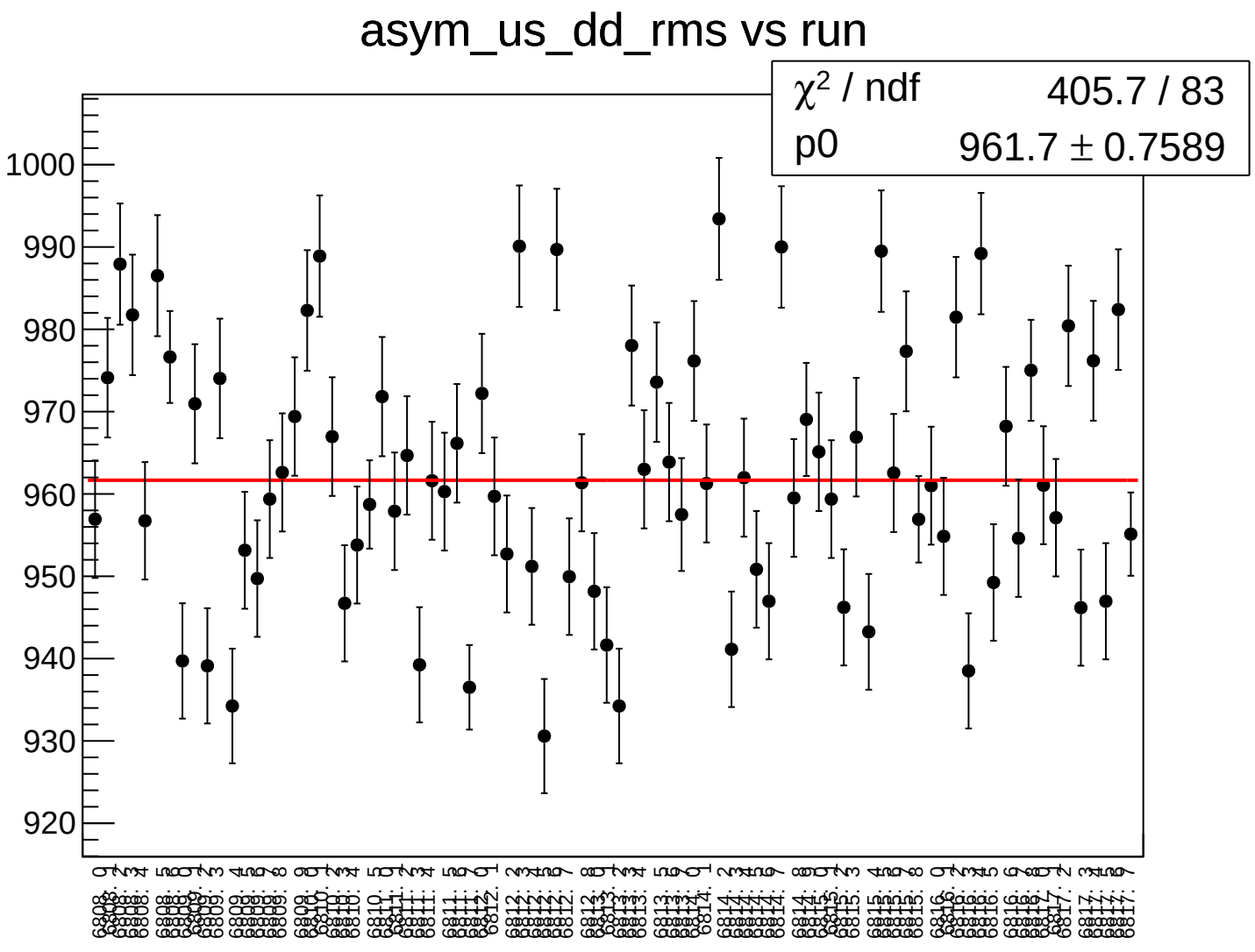

dit_asym_us_dd_rms vs run
χ² / ndf 80.48 / 83
p0 779.9 ± 0.6154
800
795
790
785
780
775
770
765
760

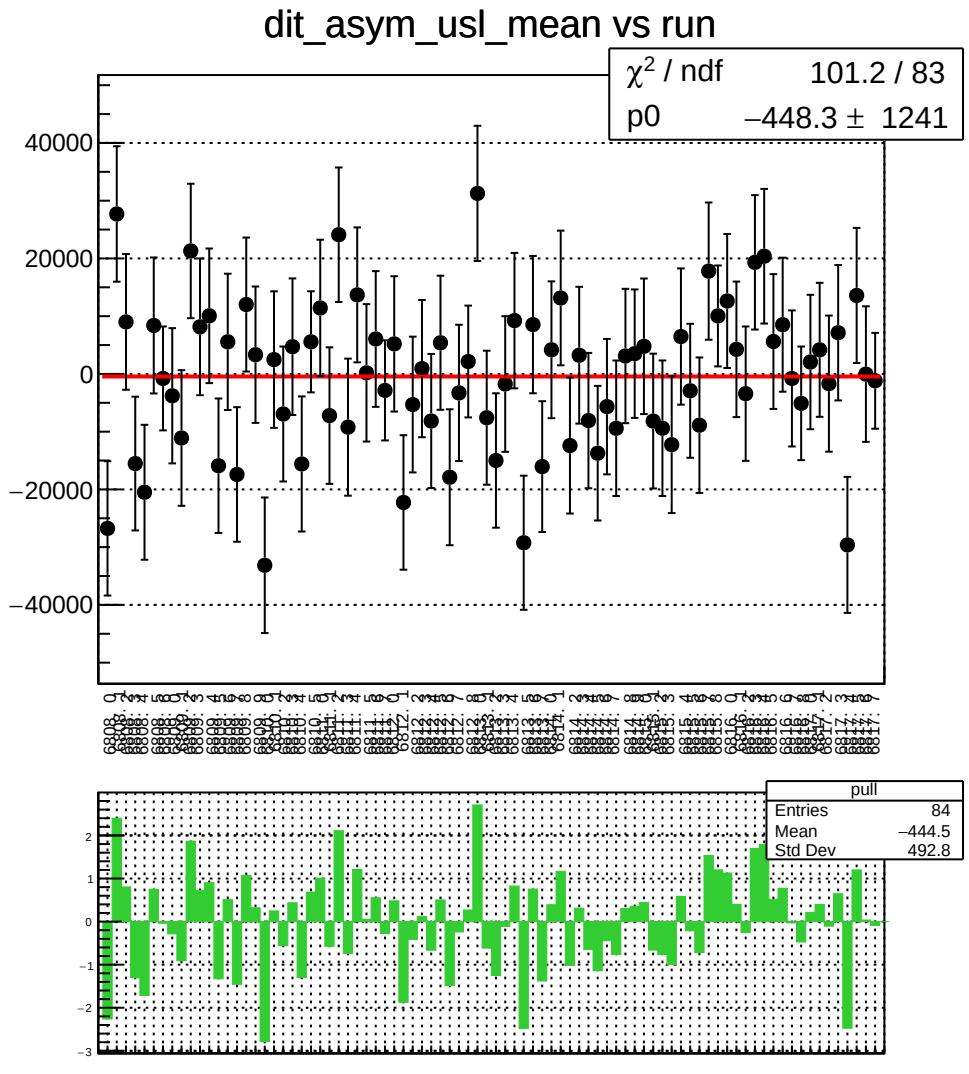

asym_us_dd_correction_mean vs run
χ² / ndf 99.38 / 83
p0 −2692 ± 1690
pull
Entries 84
Mean −416.8
Std Dev 459.9
pull1D
Entries 84
Mean 0.01186
Std Dev 1.088

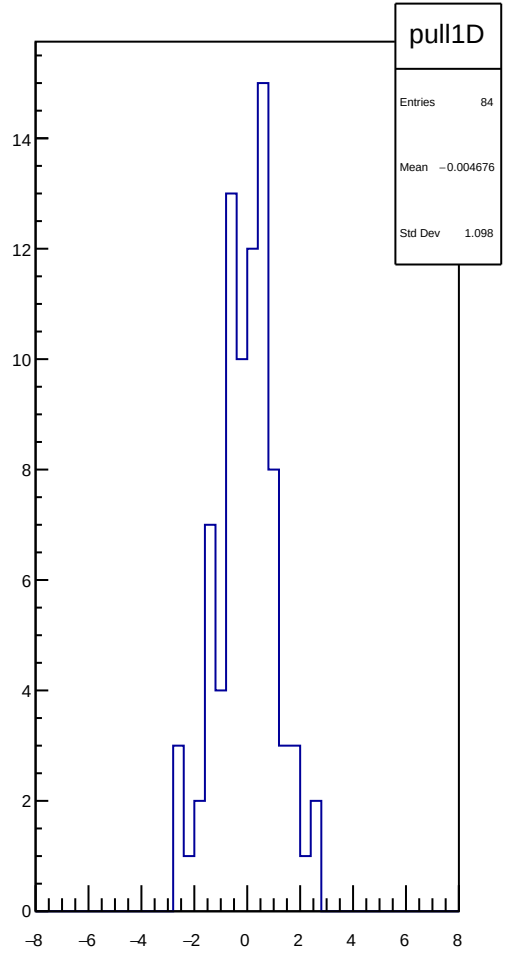

asym_us_dd_correction_rms vs run
χ^2 / ndf 835.5 / 83
p0 1514 ± 1.195
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1440
1420

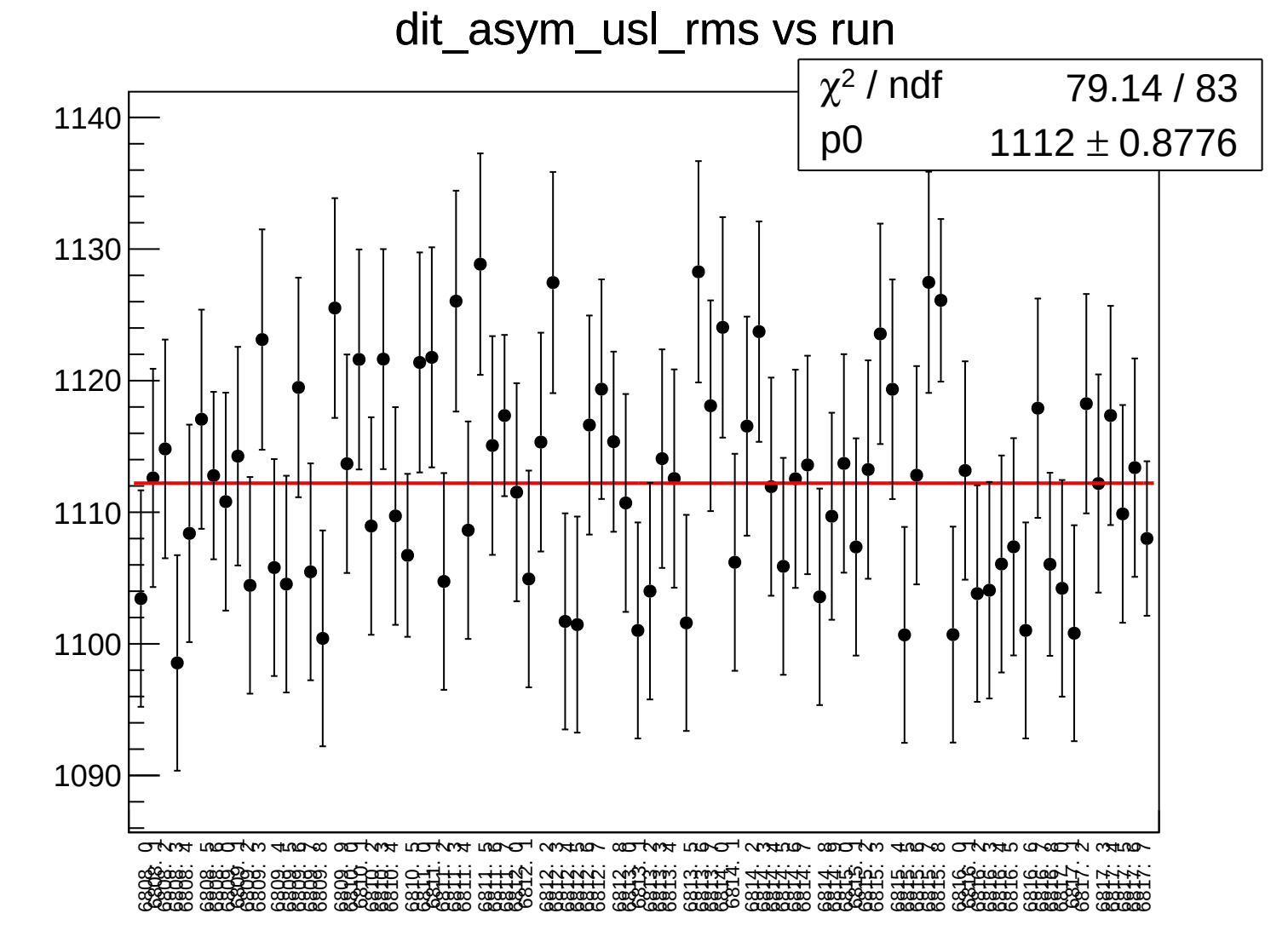

asym_us_dd_mean vs run
χ² / ndf 119.5 / 83
p0 −1664 ± 1073
60000
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −497.4
Std Dev 537.4
4
3
2
1
0
−1
−2
−3

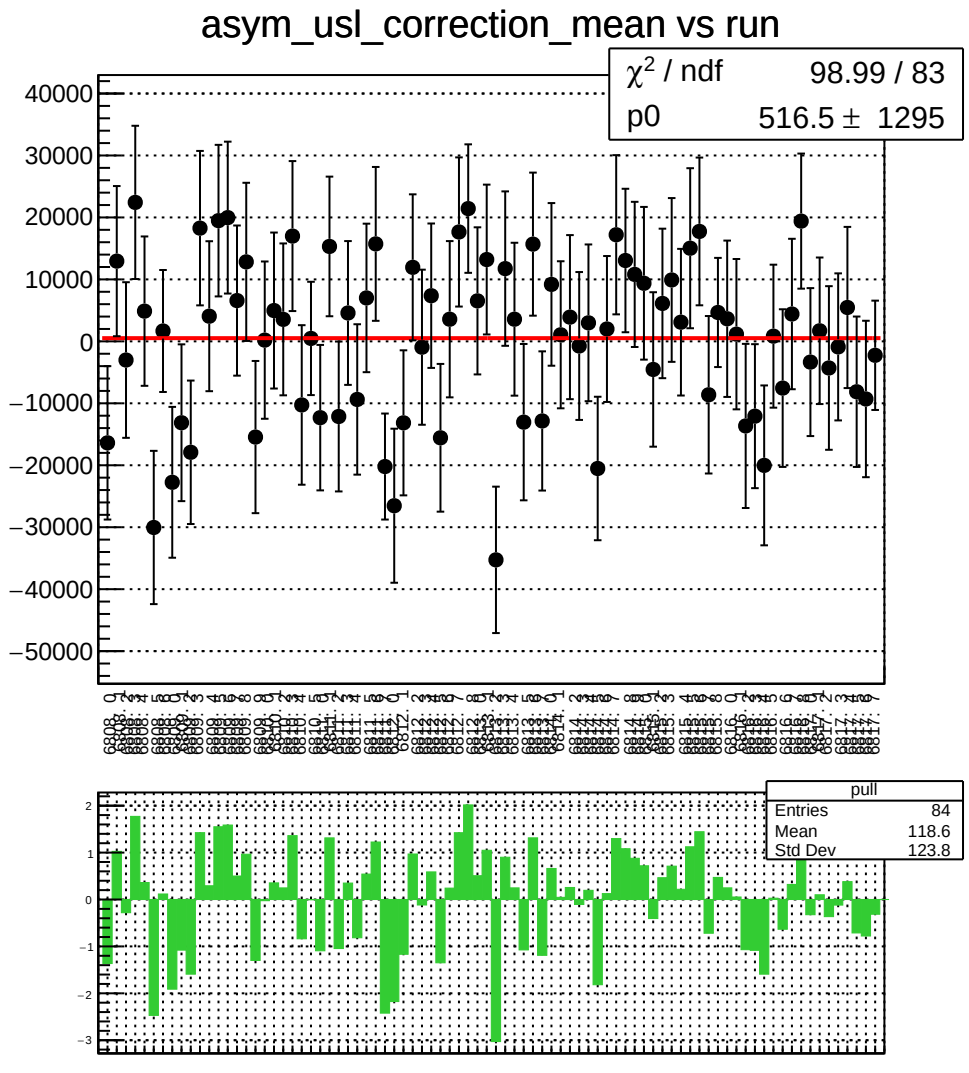

pull1D
Entries 84
Mean 0.006898
Std Dev 1.192
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

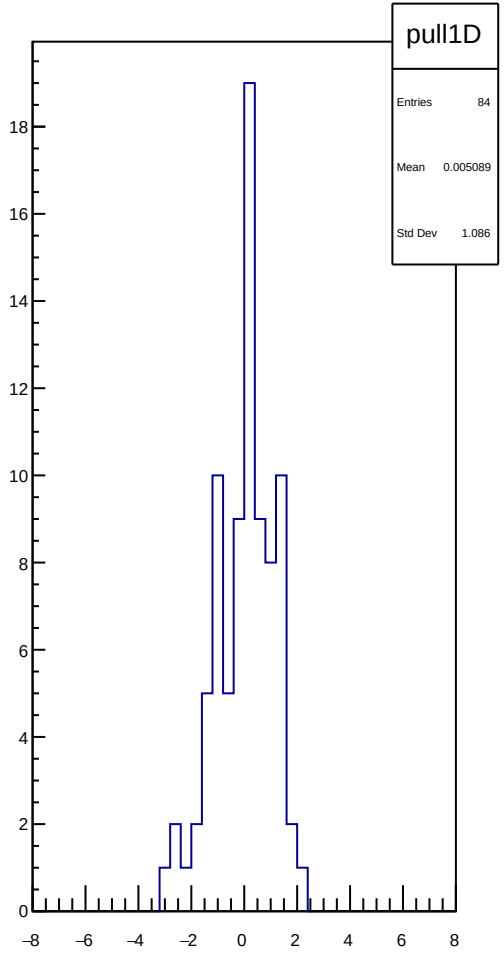

asym_us_dd_rms vs run
χ^2 / ndf 405.7 / 83
p0 961.7 ± 0.7589
1000
990
980
970
960
950
940
930
920

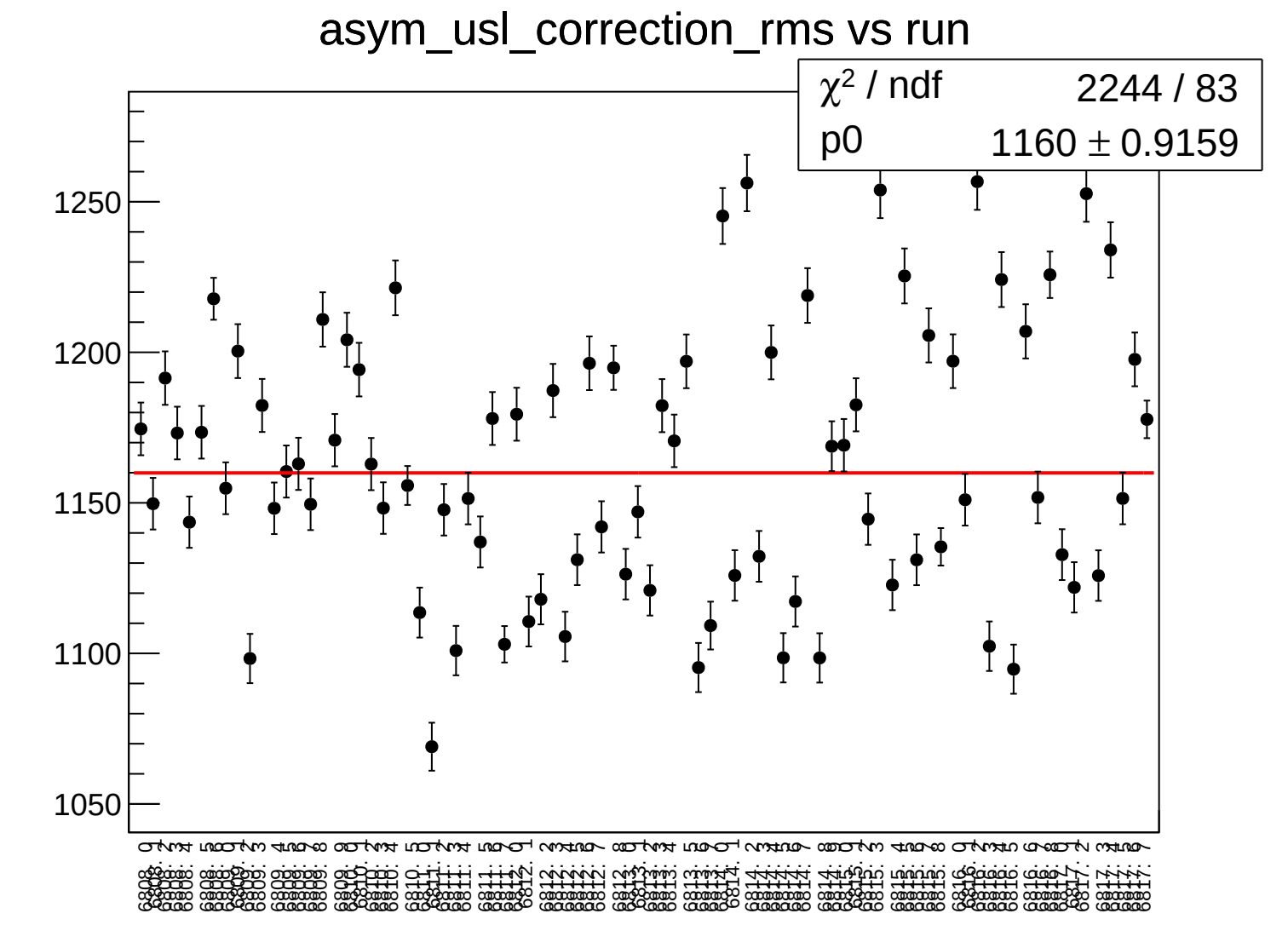

dit_asym_usl_mean vs run
χ² / ndf 101.2 / 83
p0 −448.3 ± 1241
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −444.5
Std Dev 492.8
2
1
0
−1
−2
−3

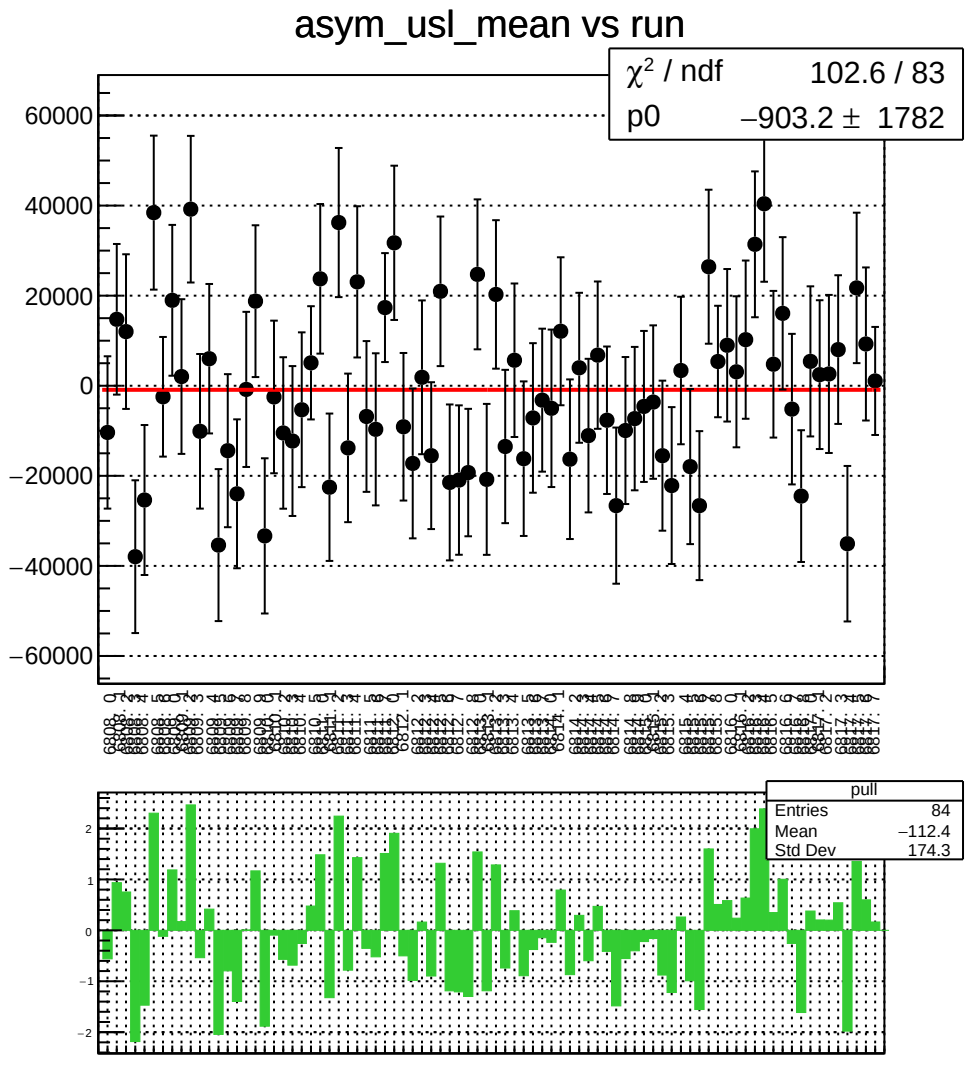

pull1D
Entries 84
Mean −0.004676
Std Dev 1.098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

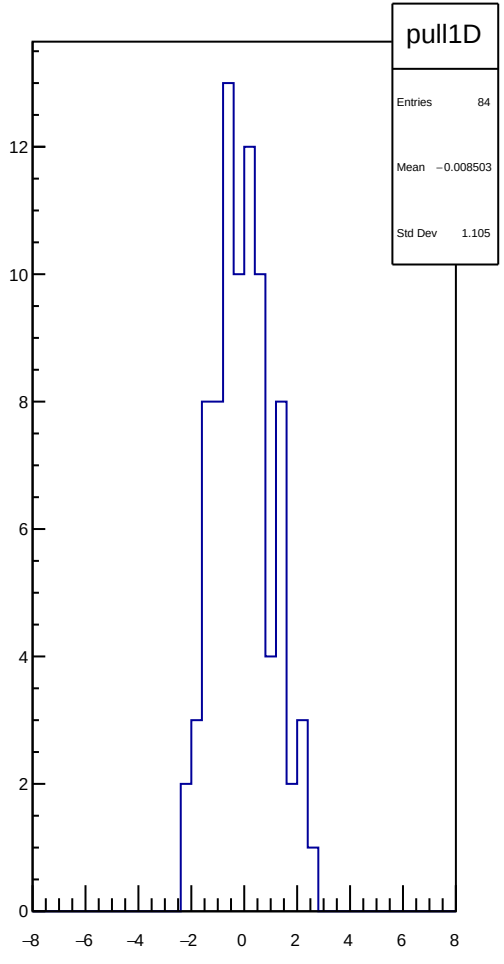

dit_asym_usl_rms vs run
χ^2 / ndf 79.14 / 83
p0 1112 ± 0.8776
1140
1130
1120
1110
1100
1090

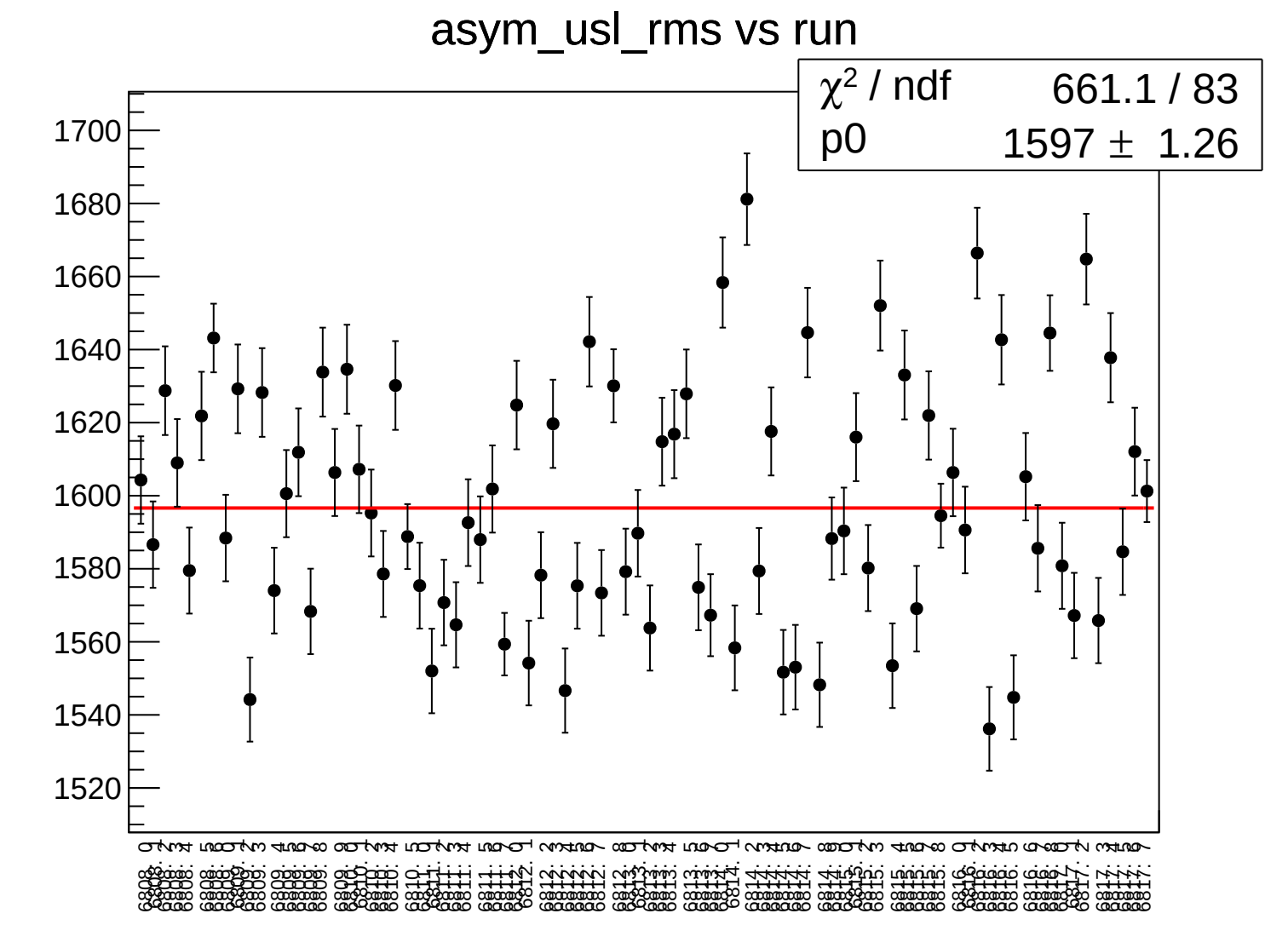

asym_usl_correction_mean vs run
χ² / ndf 98.99 / 83
p0 516.5 ± 1295
pull
Entries 84
Mean 118.6
Std Dev 123.8

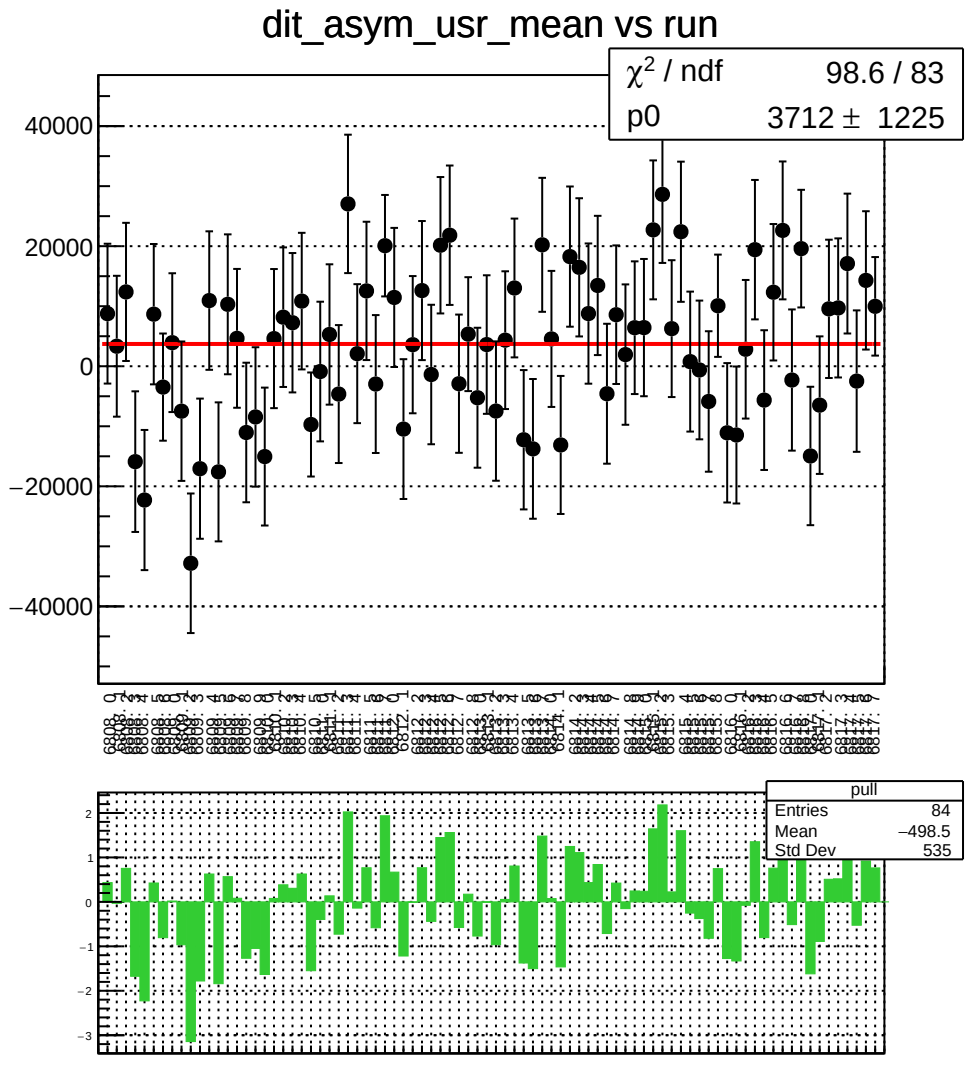

pull1D
Entries 84
Mean 0.005089
Std Dev 1.086

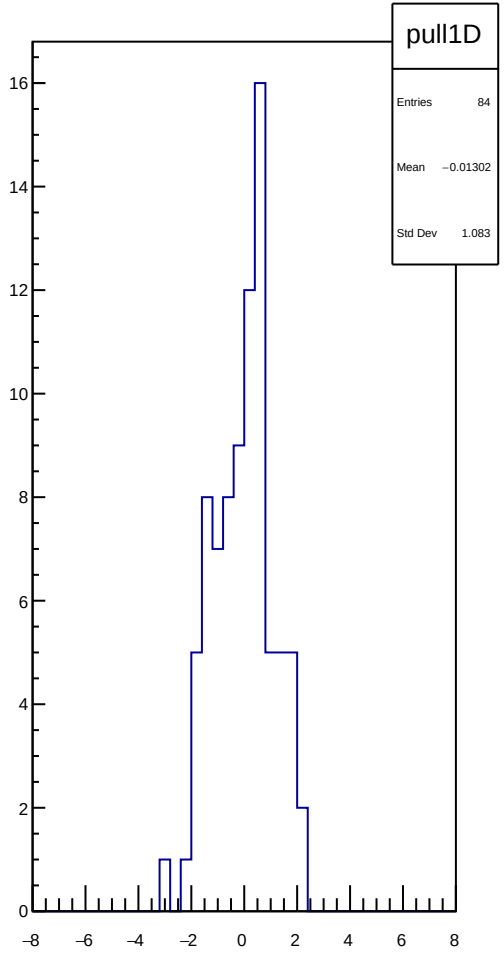

asym_usl_correction_rms vs run
χ² / ndf 2244 / 83
p0 1160 ± 0.9159
1250
1200
1150
1100
1050

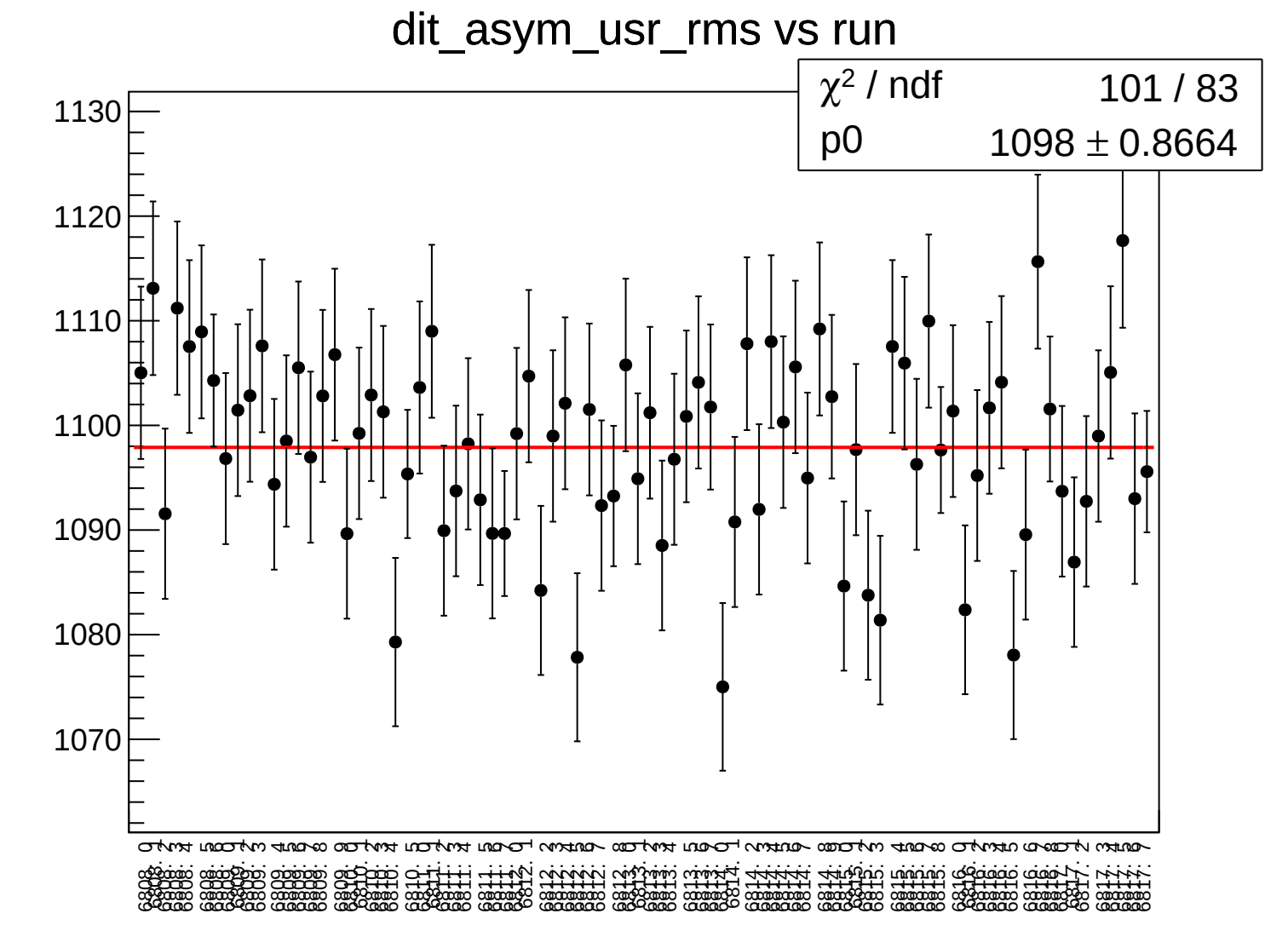

asym_usl_mean vs run
χ² / ndf 102.6 / 83
p0 −903.2 ± 1782
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −112.4
Std Dev 174.3
2
1
0
−1
−2

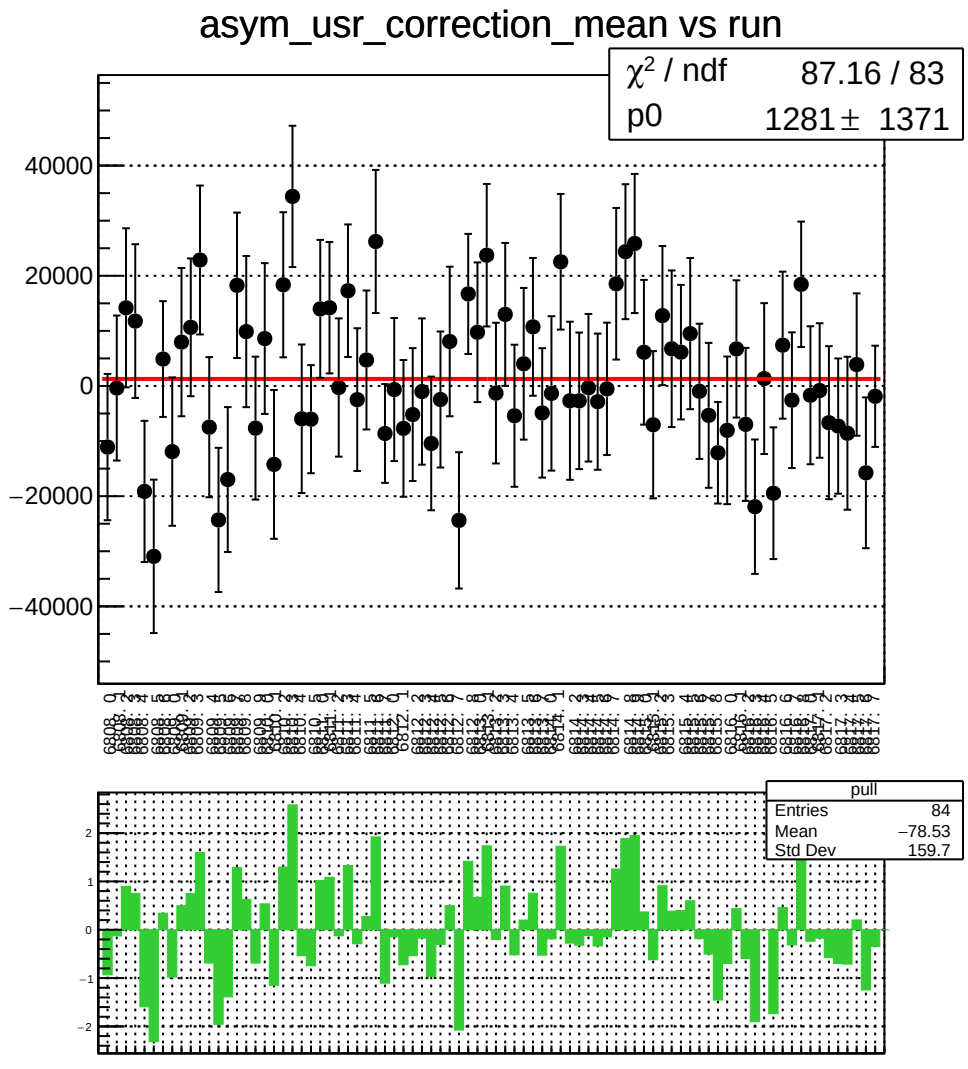

pull1D
Entries 84
Mean −0.008503
Std Dev 1.105
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

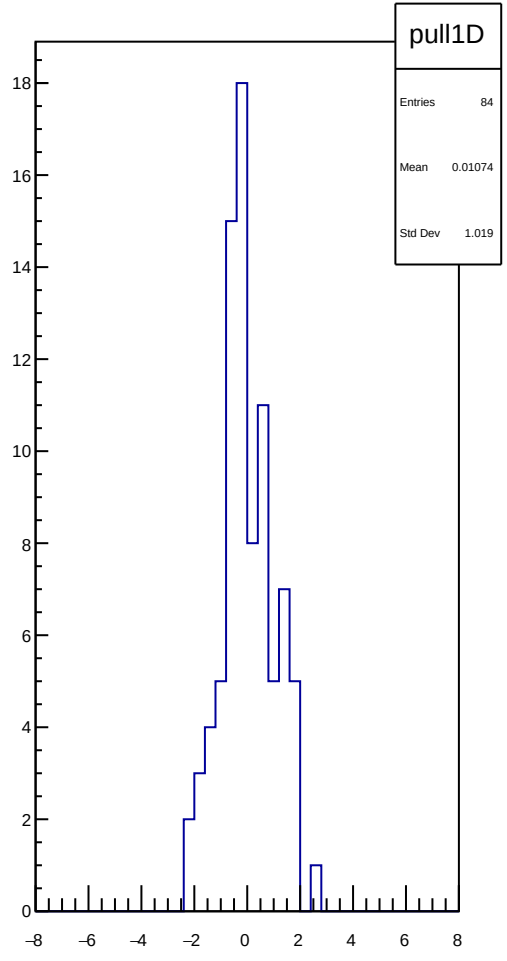

asym_usl_rms vs run
χ² / ndf 661.1 / 83
p0 1597 ± 1.26
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

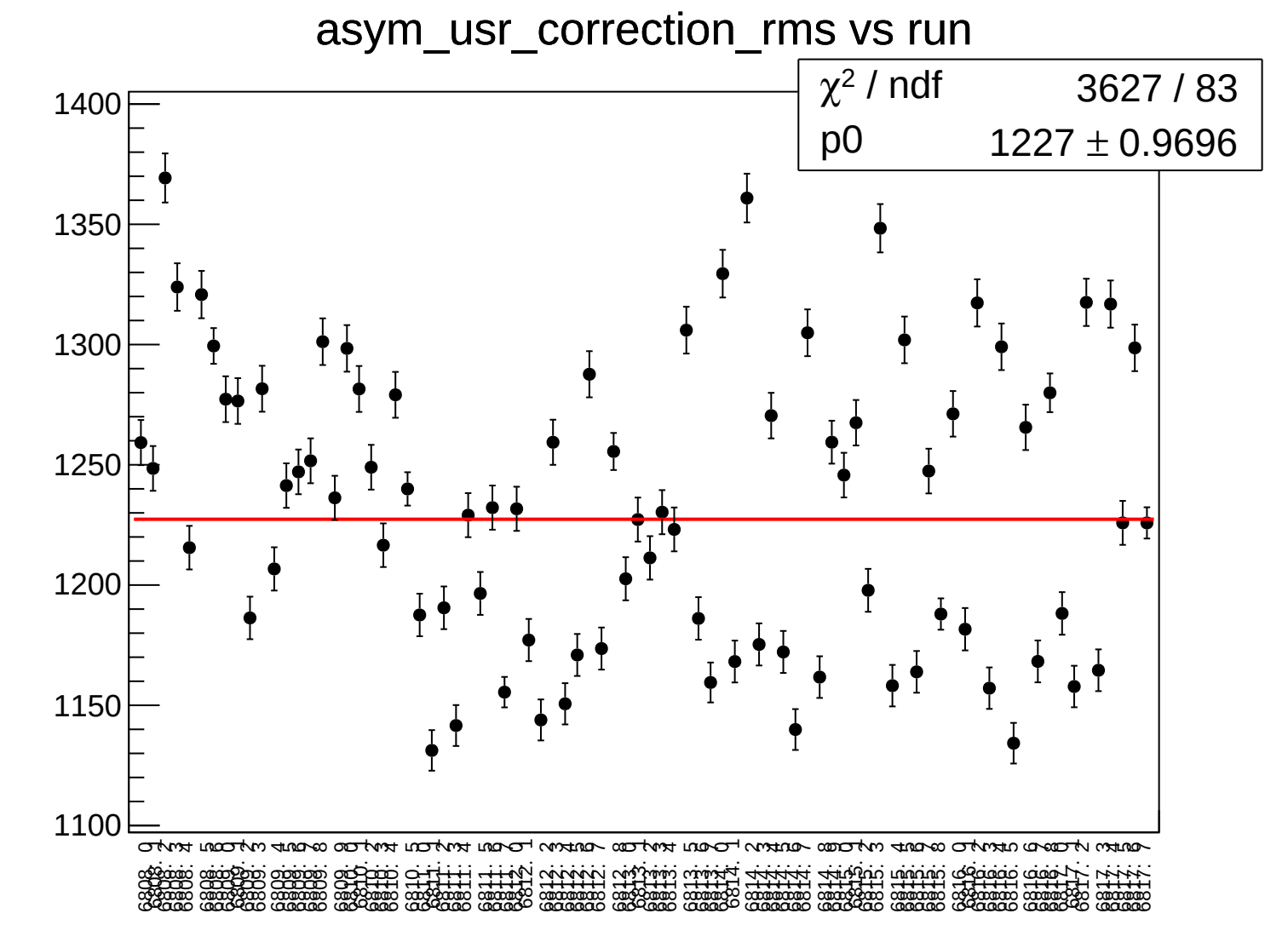

dit_asym_usr_mean vs run
χ² / ndf 98.6 / 83
p0 3712 ± 1225
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −498.5
Std Dev 535
2
1
0
−1
−2
−3

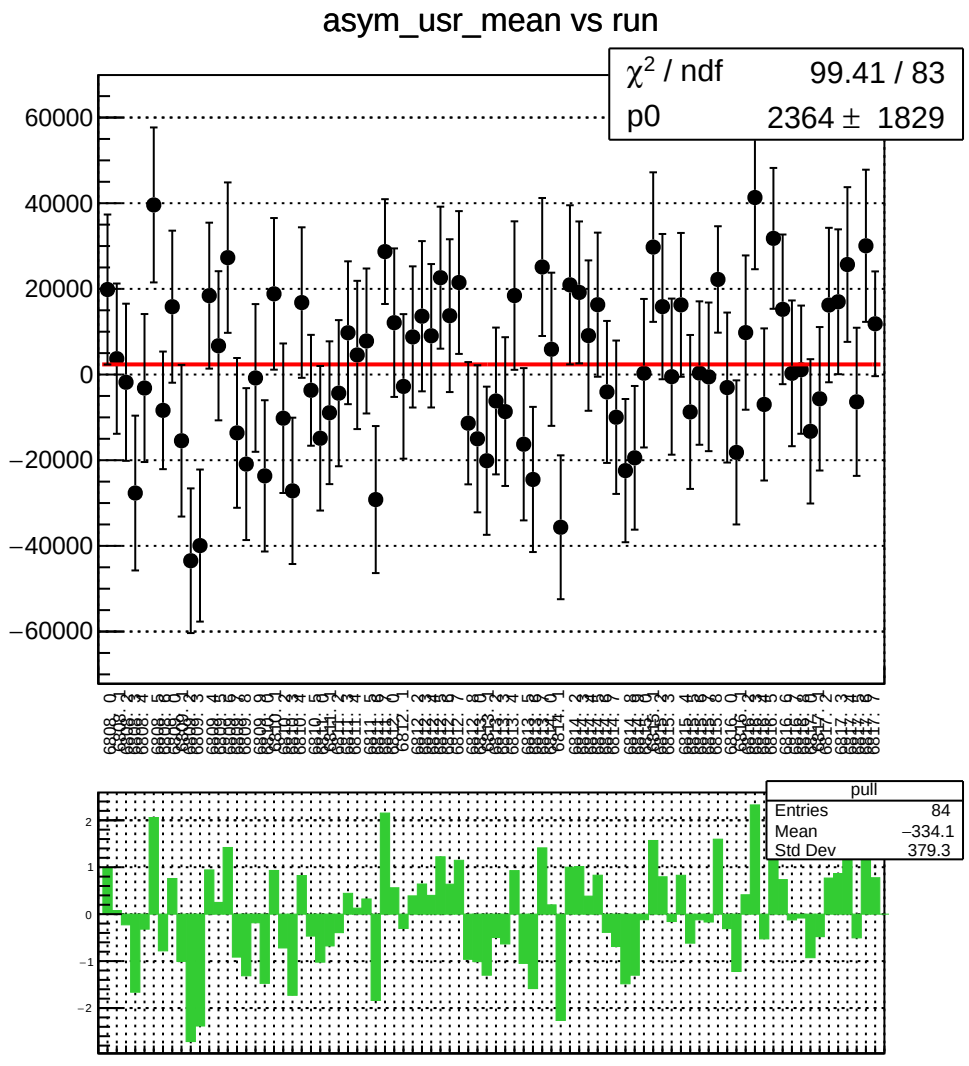

pull1D
Entries 84
Mean −0.01302
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

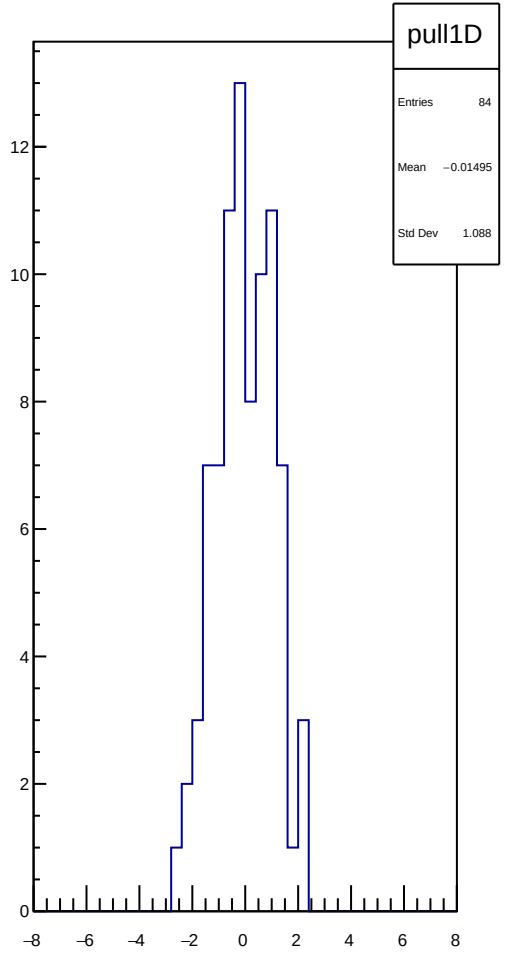

dit_asym_usr_rms vs run
χ² / ndf 101 / 83
p0 1098 ± 0.8664
1130
1120
1110
1100
1090
1080
1070

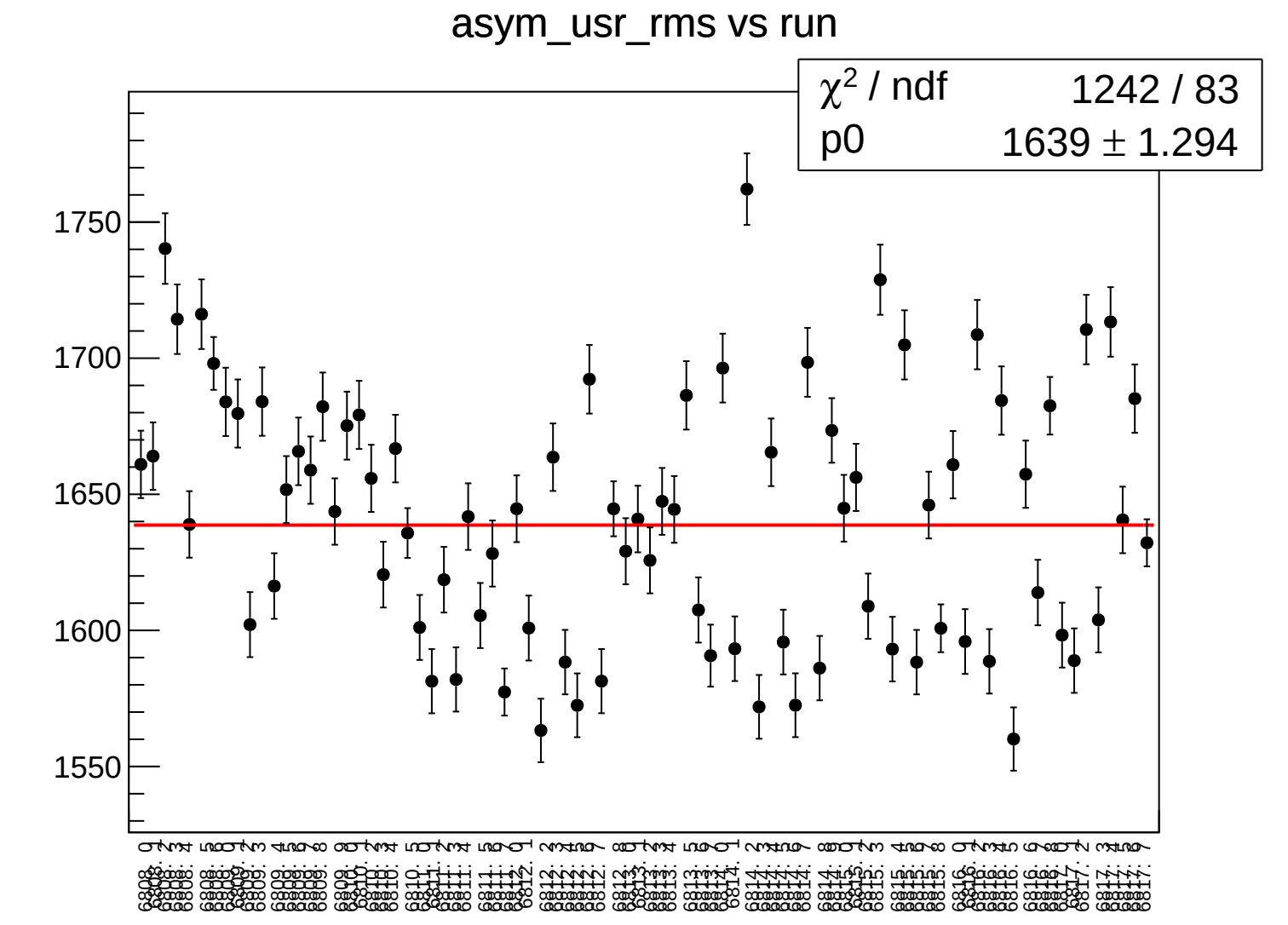

asym_usr_correction_mean vs run
χ² / ndf 87.16 / 83
p0 1281 ± 1371
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −78.53
Std Dev 159.7
2
1
0
−1
−2

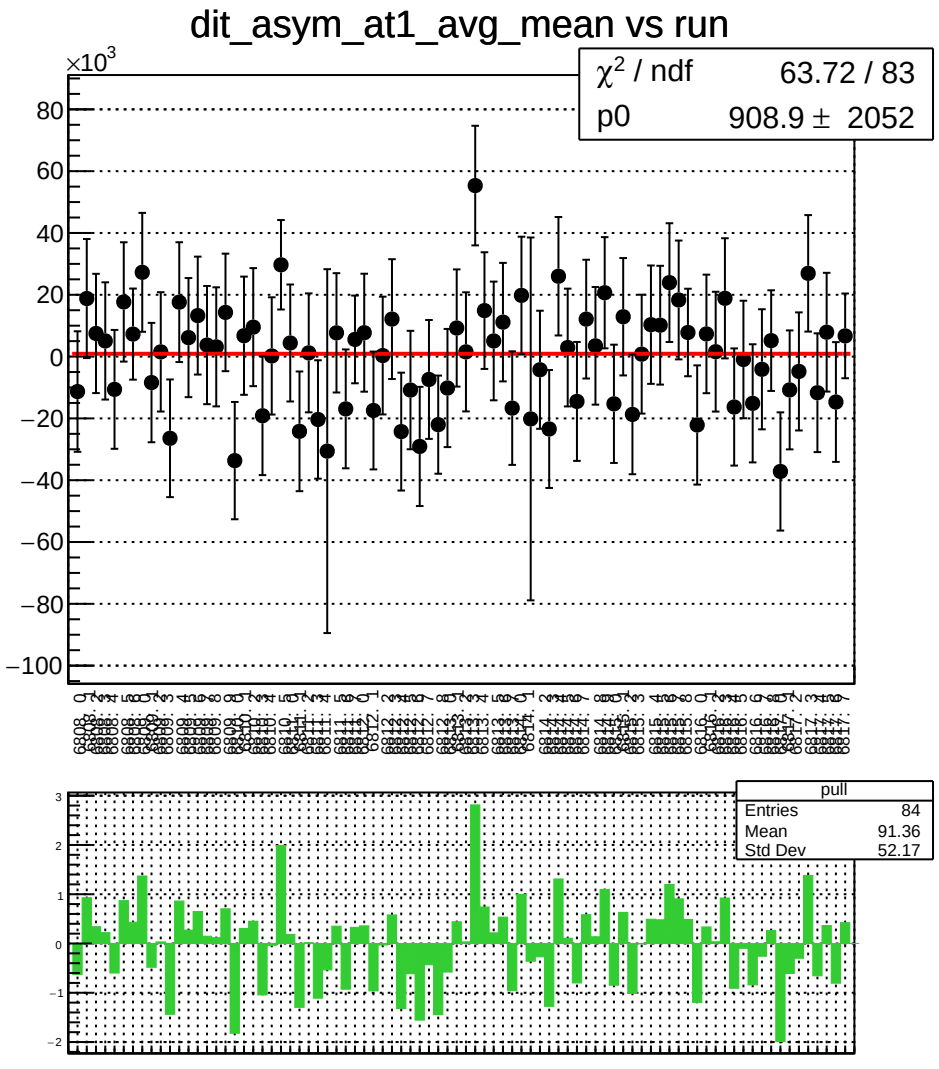

pull1D
Entries 84
Mean 0.01074
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

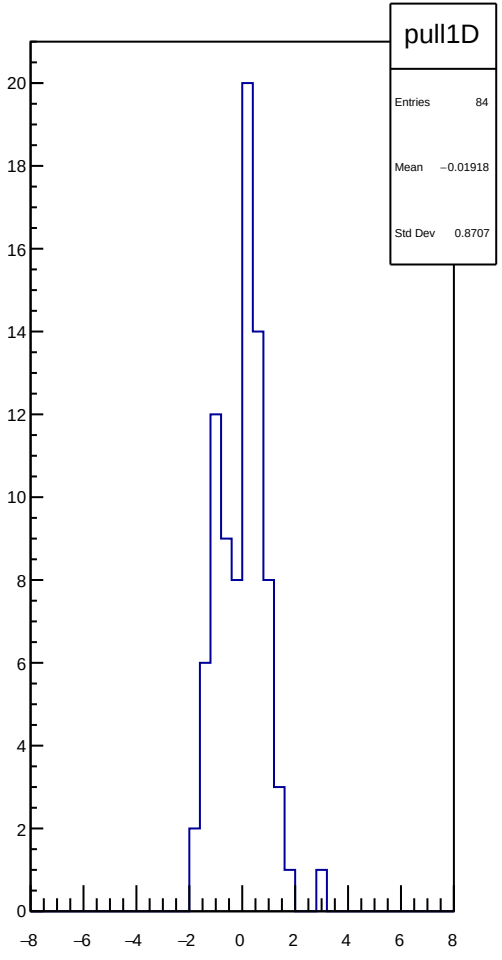

asym_usr_correction_rms vs run
χ² / ndf 3627 / 83
p0 1227 ± 0.9696
1400
1350
1300
1250
1200
1150
1100

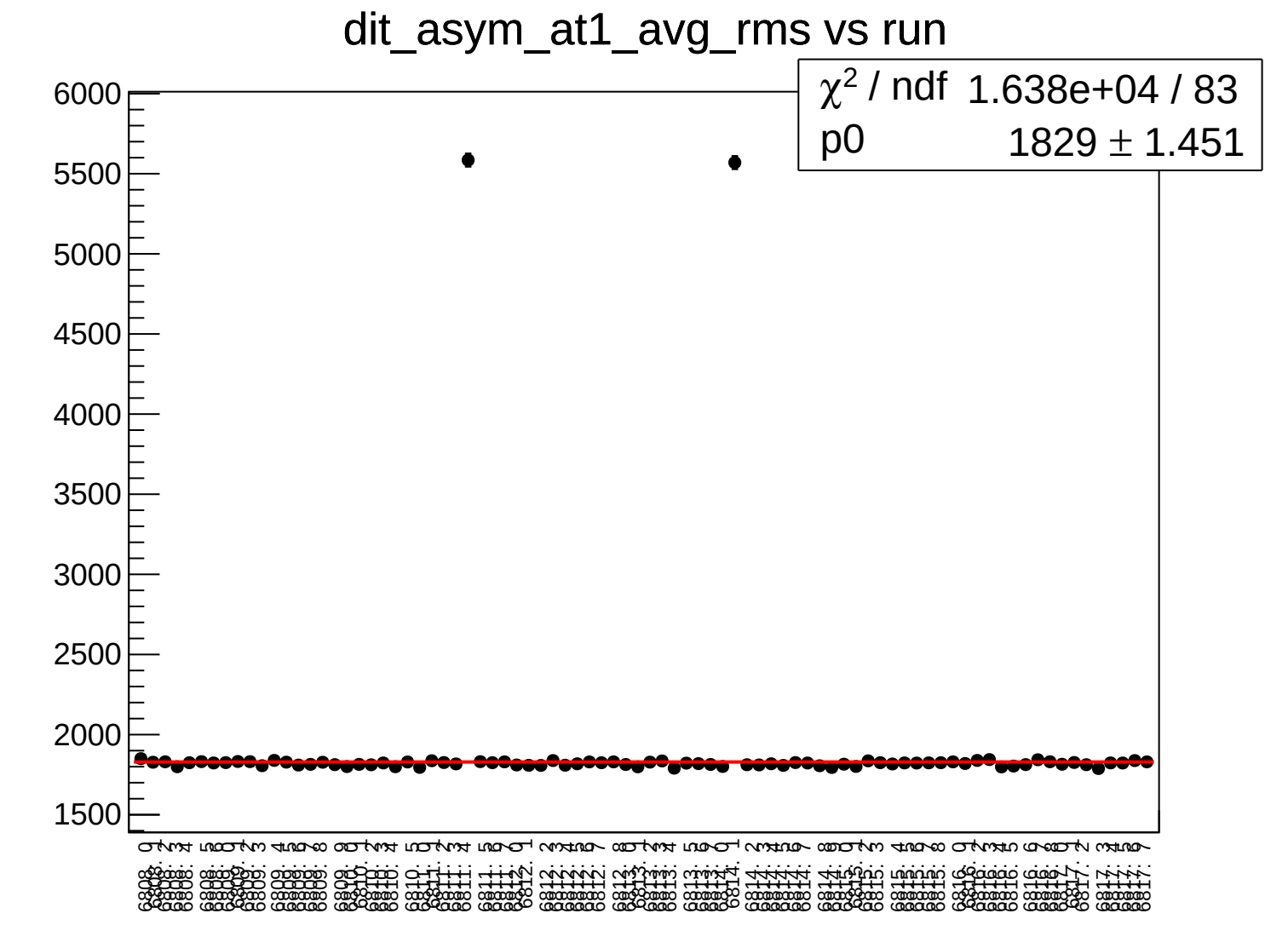

asym_usr_mean vs run
χ² / ndf 99.41 / 83
p0 2364 ± 1829
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −334.1
Std Dev 379.3
2
1
0
−1
−2

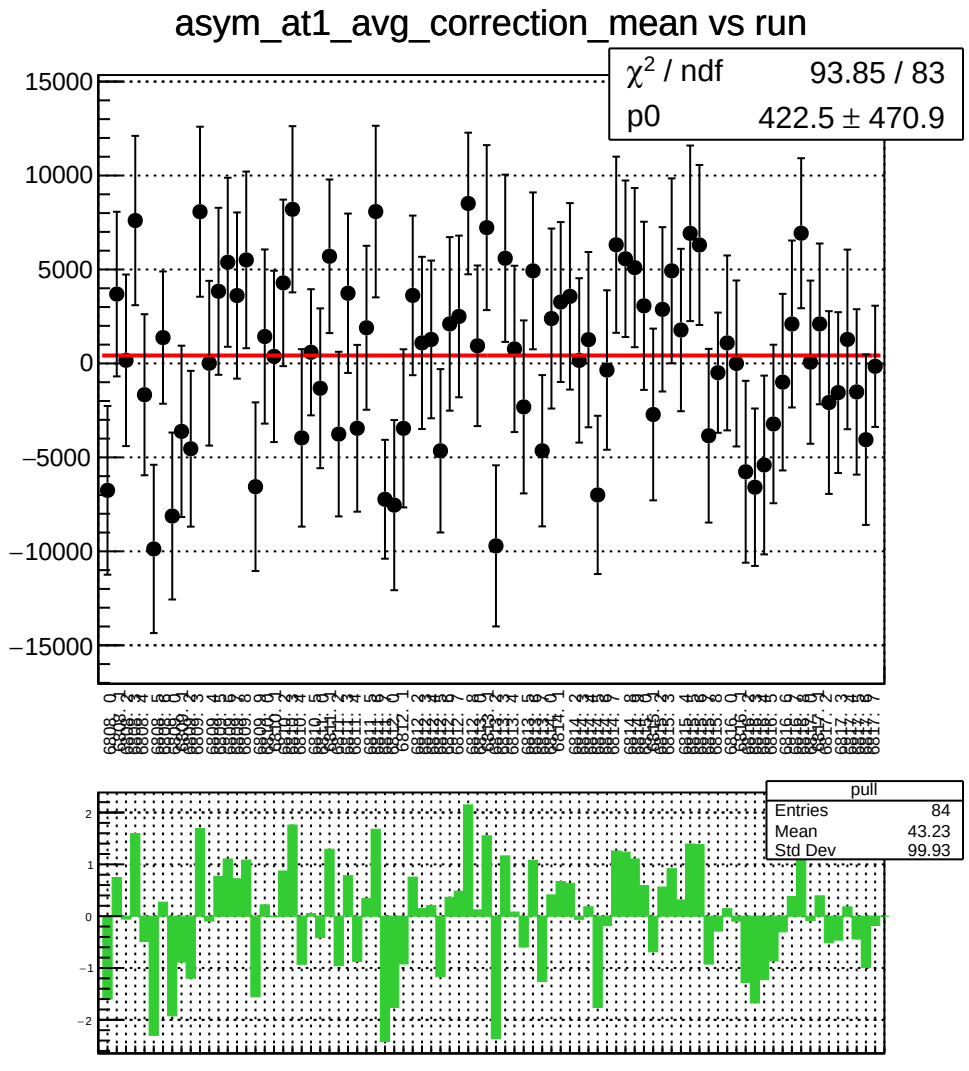

pull1D
Entries 84
Mean −0.01495
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

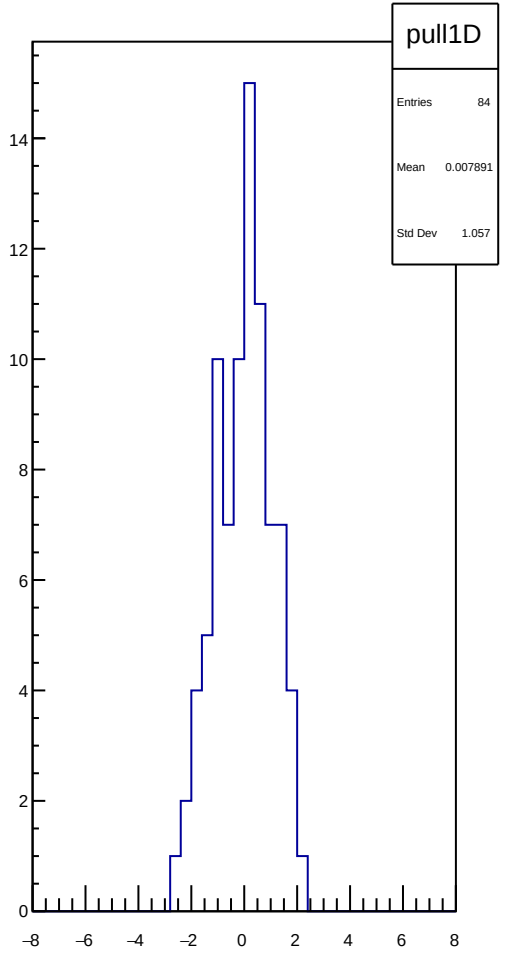

asym_usr_rms vs run
χ² / ndf 1242 / 83
p0 1639 ± 1.294
1750
1700
1650
1600
1550

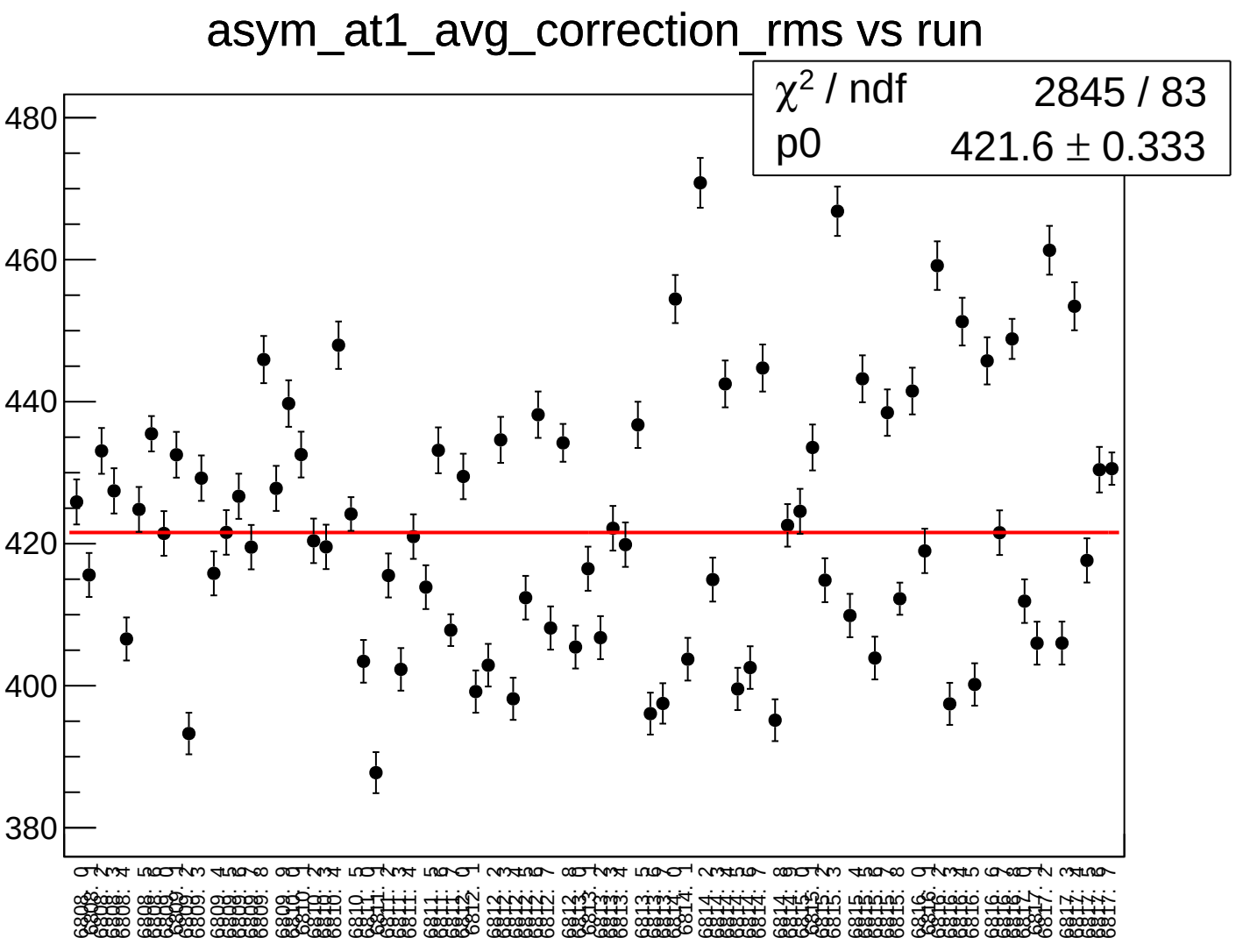

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 63.72 / 83
p0 908.9 ± 2052
pull
Entries 84
Mean 91.36
Std Dev 52.17

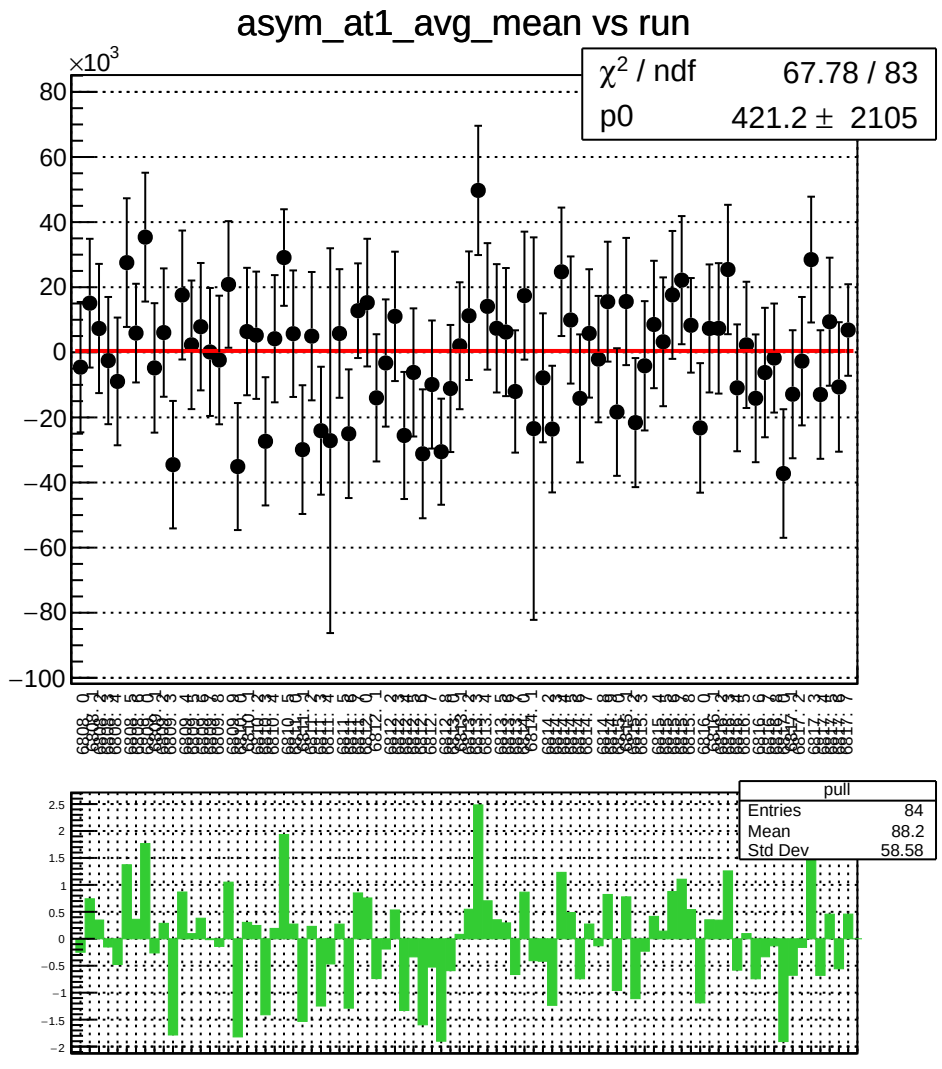

pull1D
Entries 84
Mean −0.01918
Std Dev 0.8707

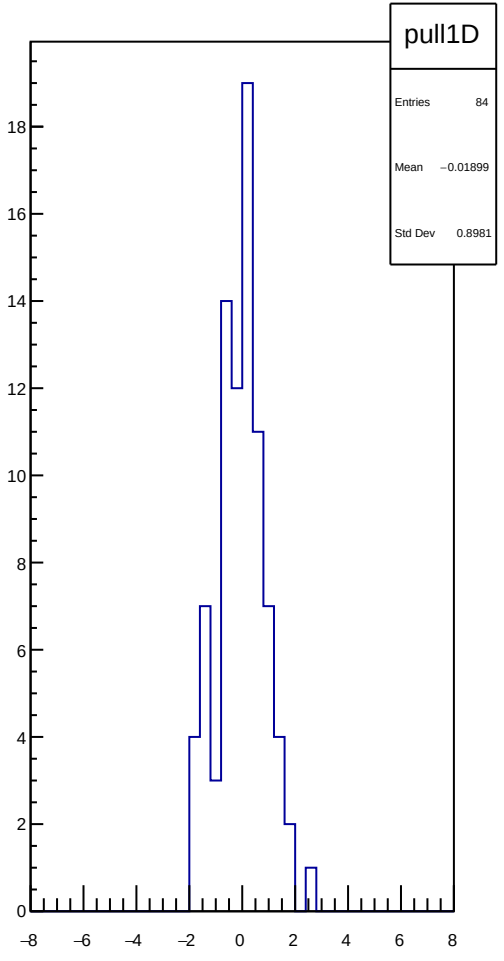

dit_asym_at1_avg_rms vs run
χ² / ndf 1.638e+04 / 83
p0 1829 ± 1.451
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

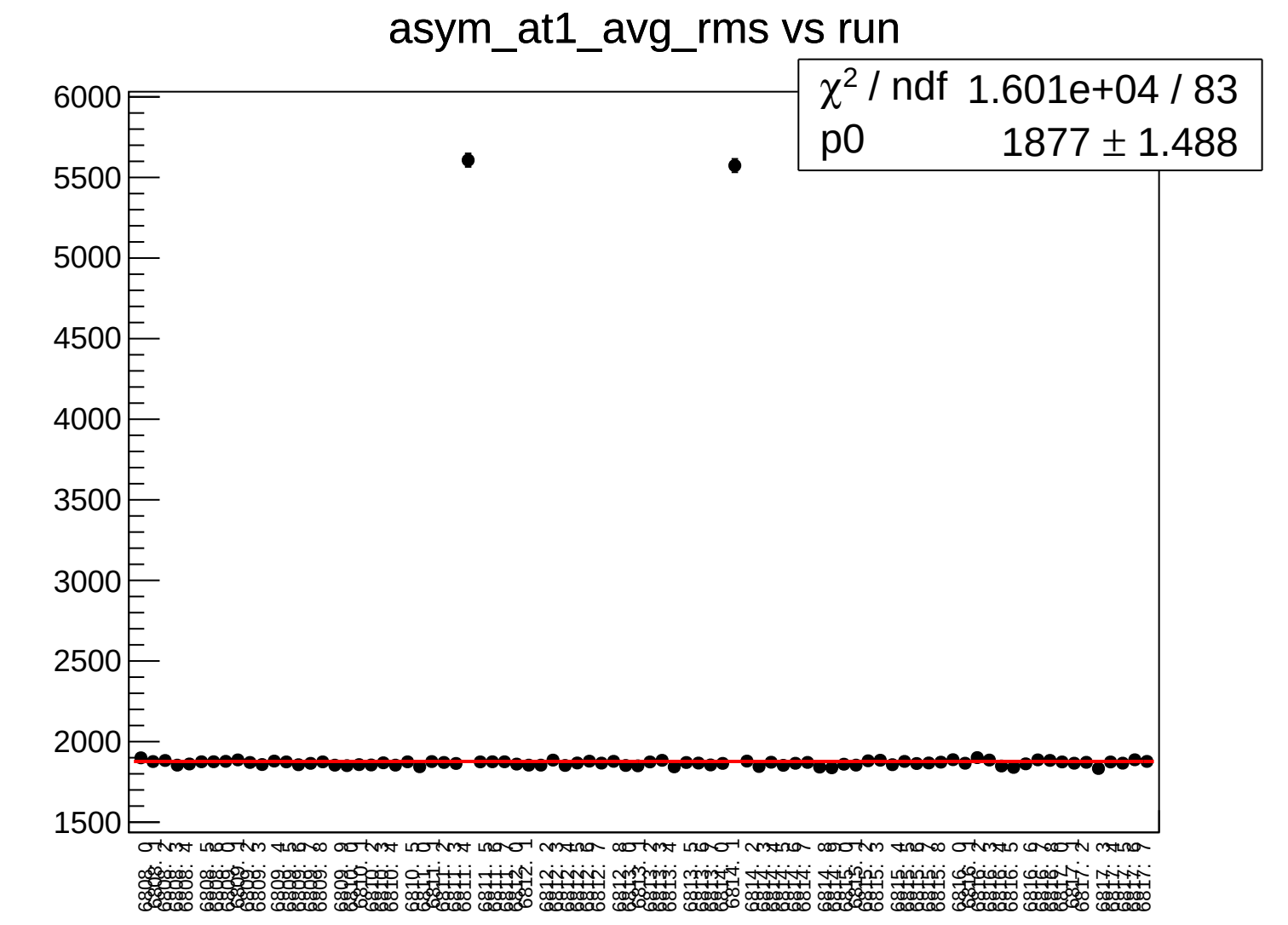

asym_at1_avg_correction_mean vs run
χ² / ndf 93.85 / 83
p0 422.5 ± 470.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 43.23
Std Dev 99.93
2
1
0
−1
−2

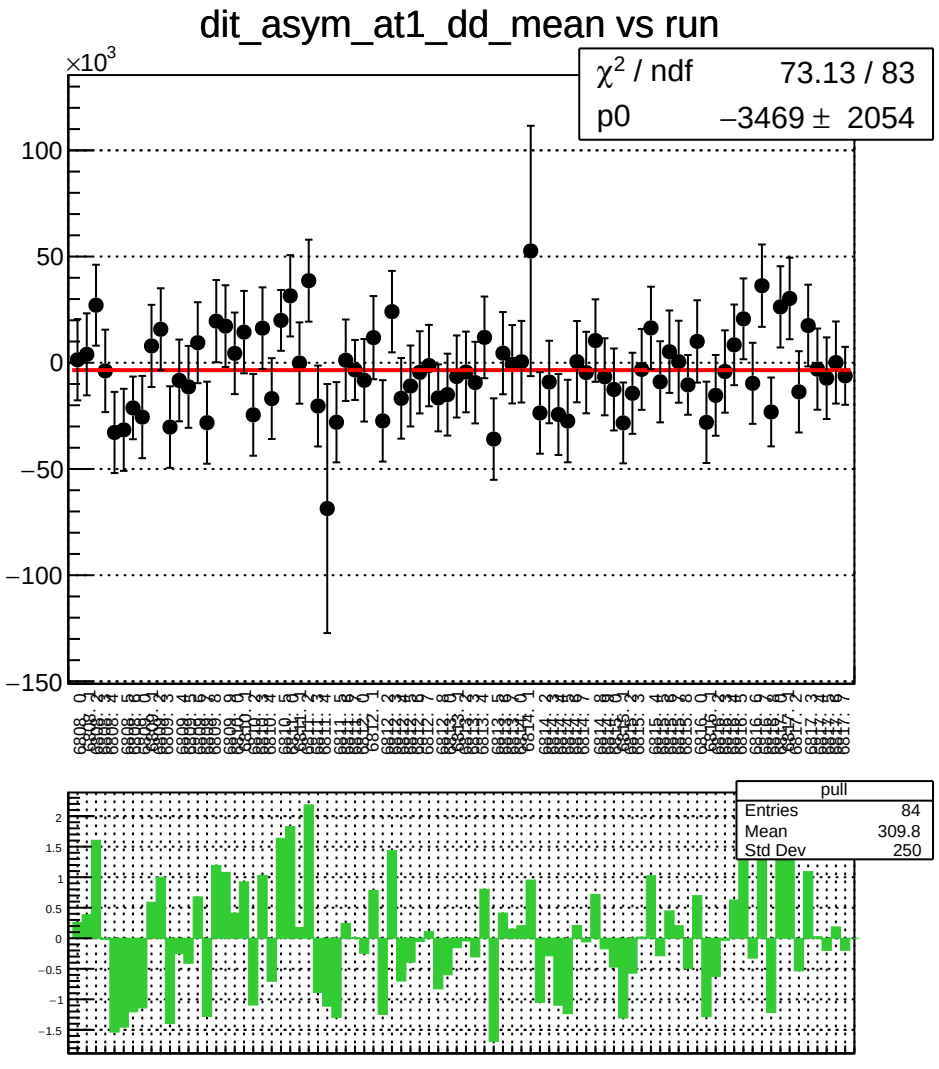

pull1D
Entries 84
Mean 0.007891
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

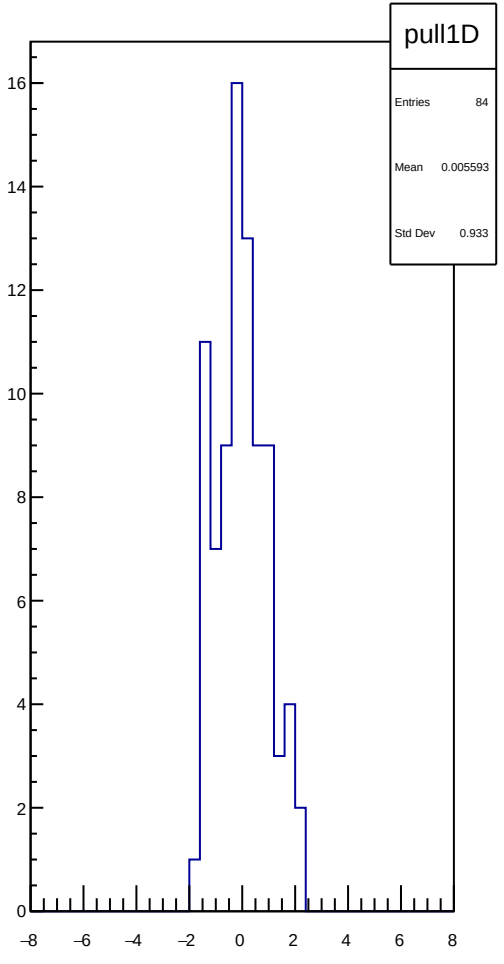

asym_at1_avg_correction_rms vs run
χ² / ndf 2845 / 83
p0 421.6 ± 0.333
480
460
440
420
400
380

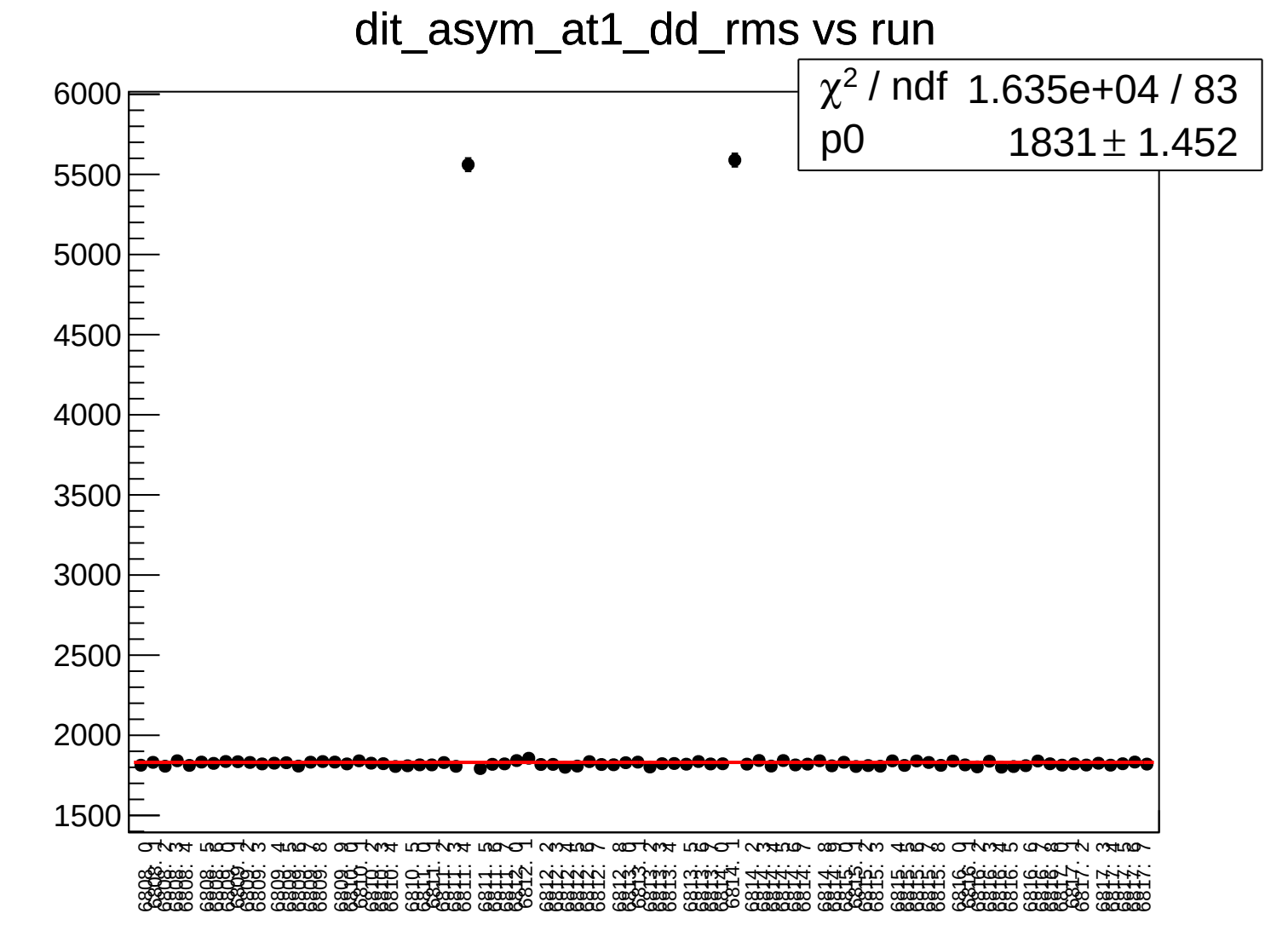

asym_at1_avg_mean vs run
×10^3
χ² / ndf 67.78 / 83
p0 421.2 ± 2105
pull
Entries 84
Mean 88.2
Std Dev 58.58

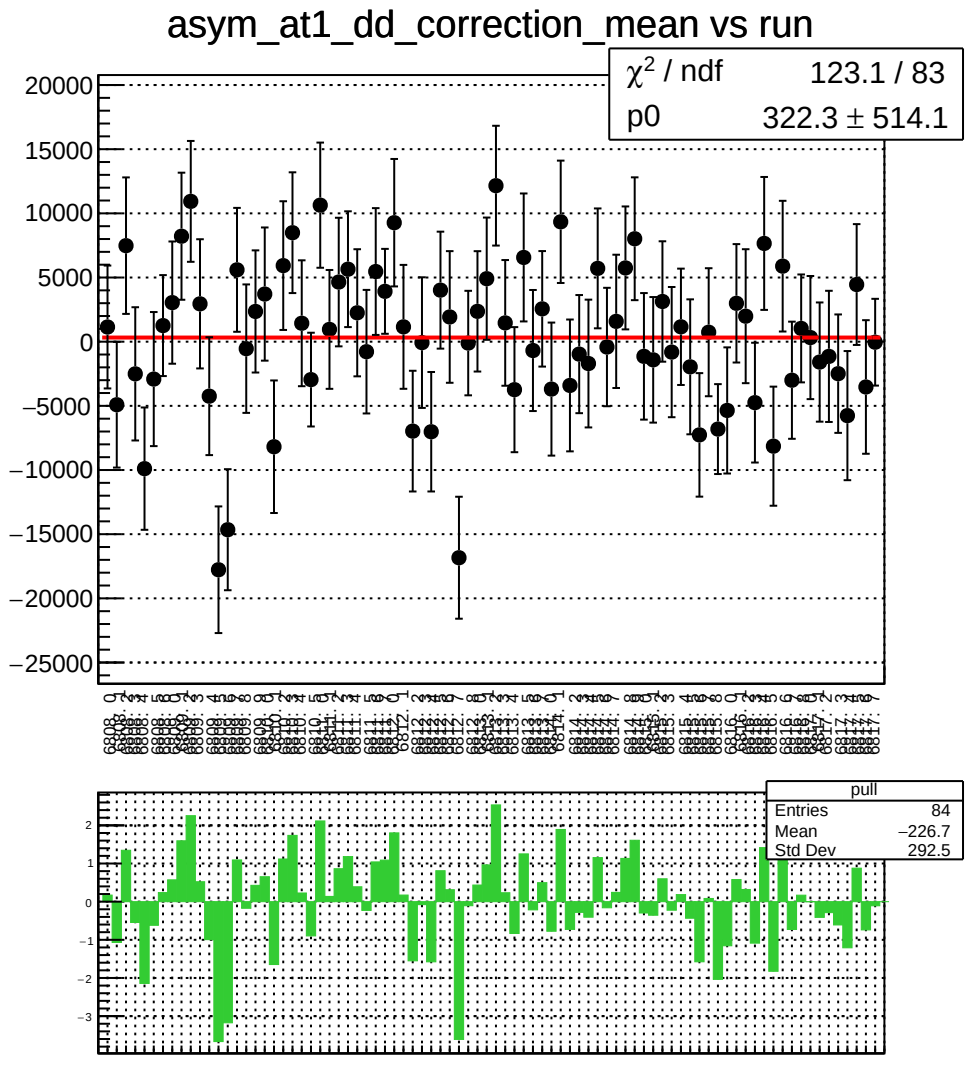

pull1D
Entries 84
Mean −0.01899
Std Dev 0.8981

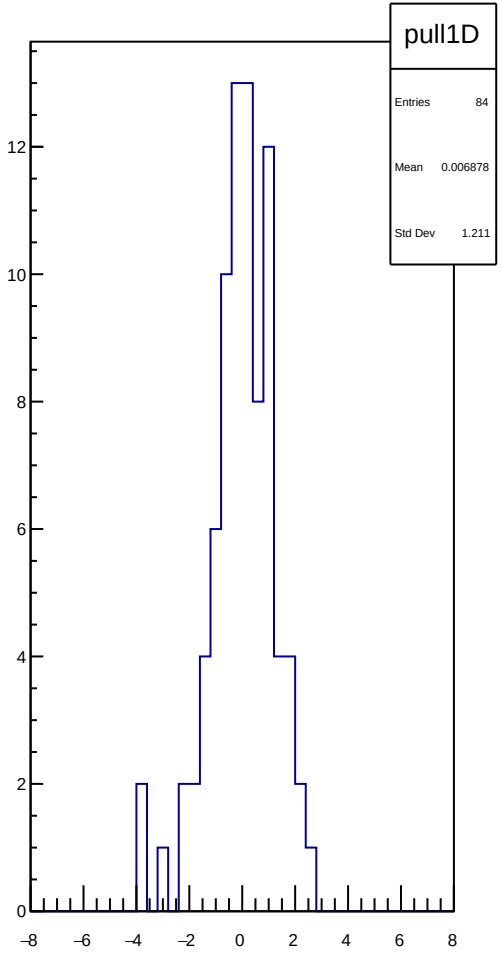

asym_at1_avg_rms vs run
χ² / ndf 1.601e+04 / 83
p0 1877 ± 1.488
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

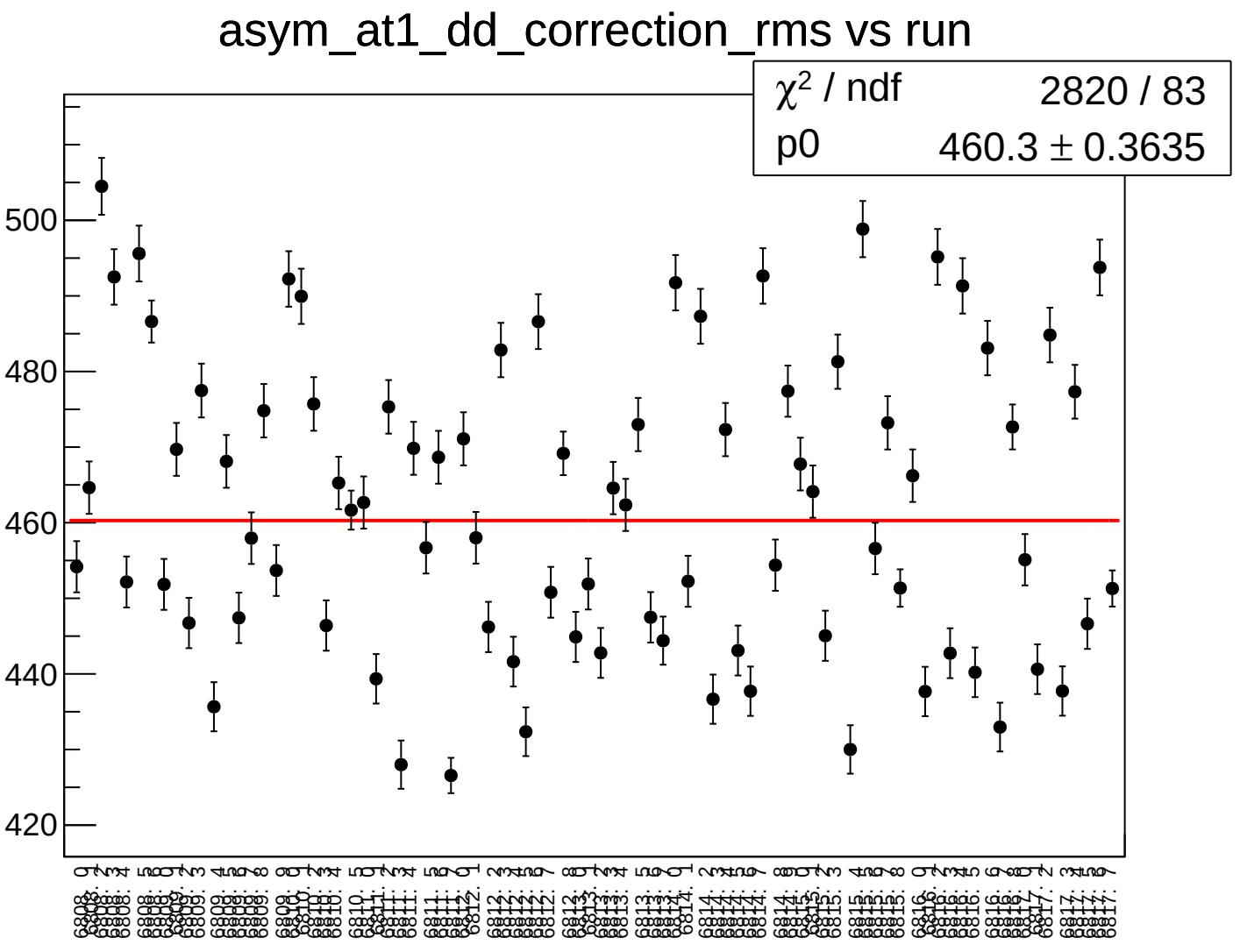

dit_asym_at1_dd_mean vs run
χ^2 / ndf 73.13 / 83
p0 −3469 ± 2054
×10^3
pull
Entries 84
Mean 309.8
Std Dev 250

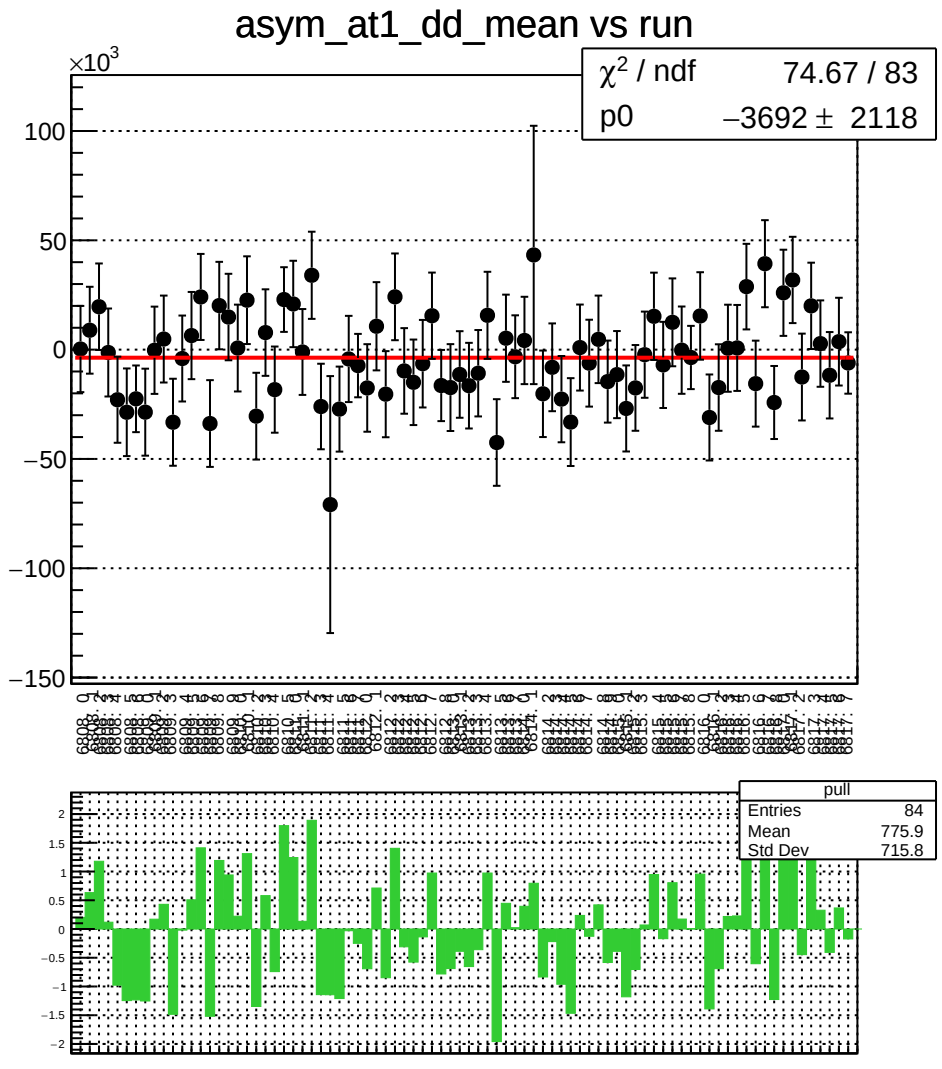

pull1D
Entries 84
Mean 0.005593
Std Dev 0.933

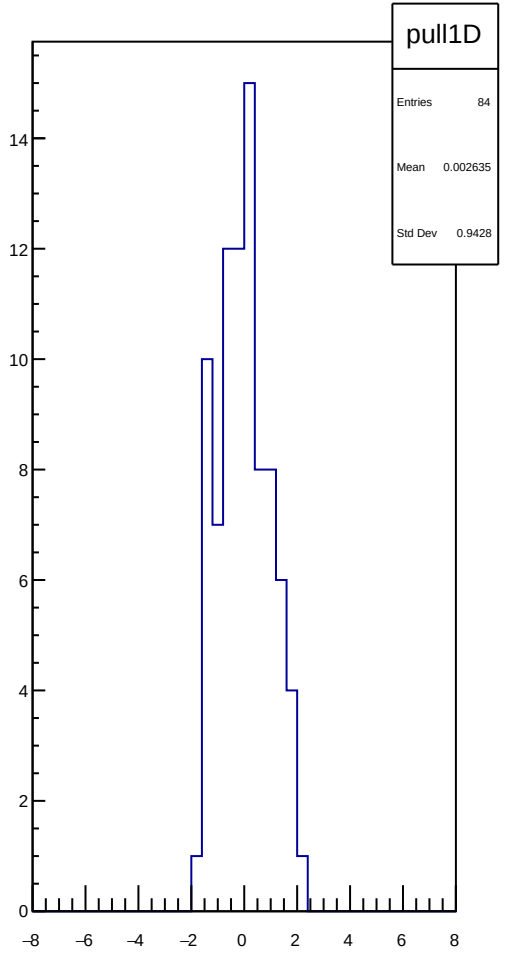

dit_asym_at1_dd_rms vs run
χ^2 / ndf 1.635e+04 / 83
p0 1831 ± 1.452
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

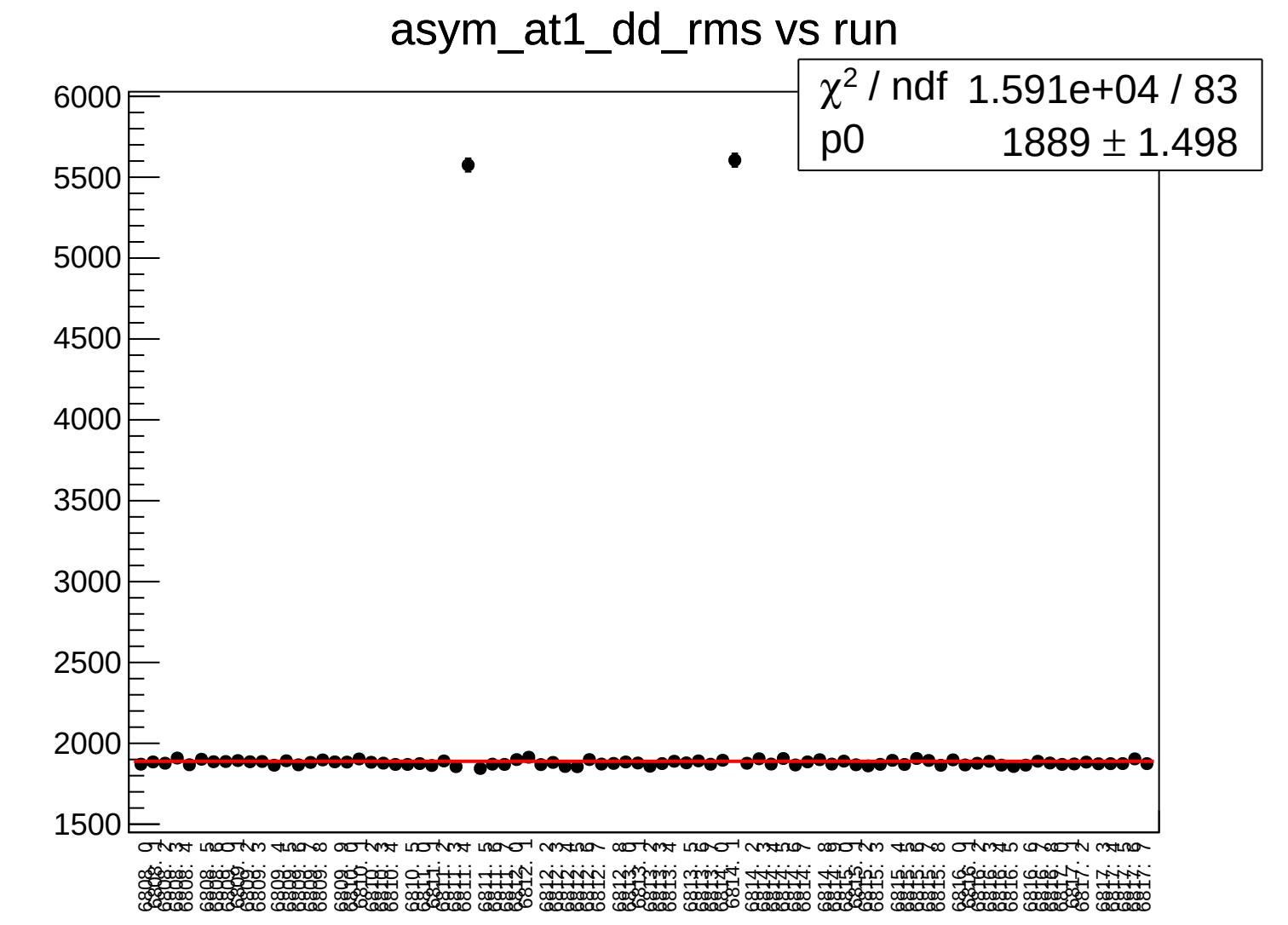

asym_at1_dd_correction_mean vs run
χ² / ndf 123.1 / 83
p0 322.3 ± 514.1
pull
Entries 84
Mean −226.7
Std Dev 292.5

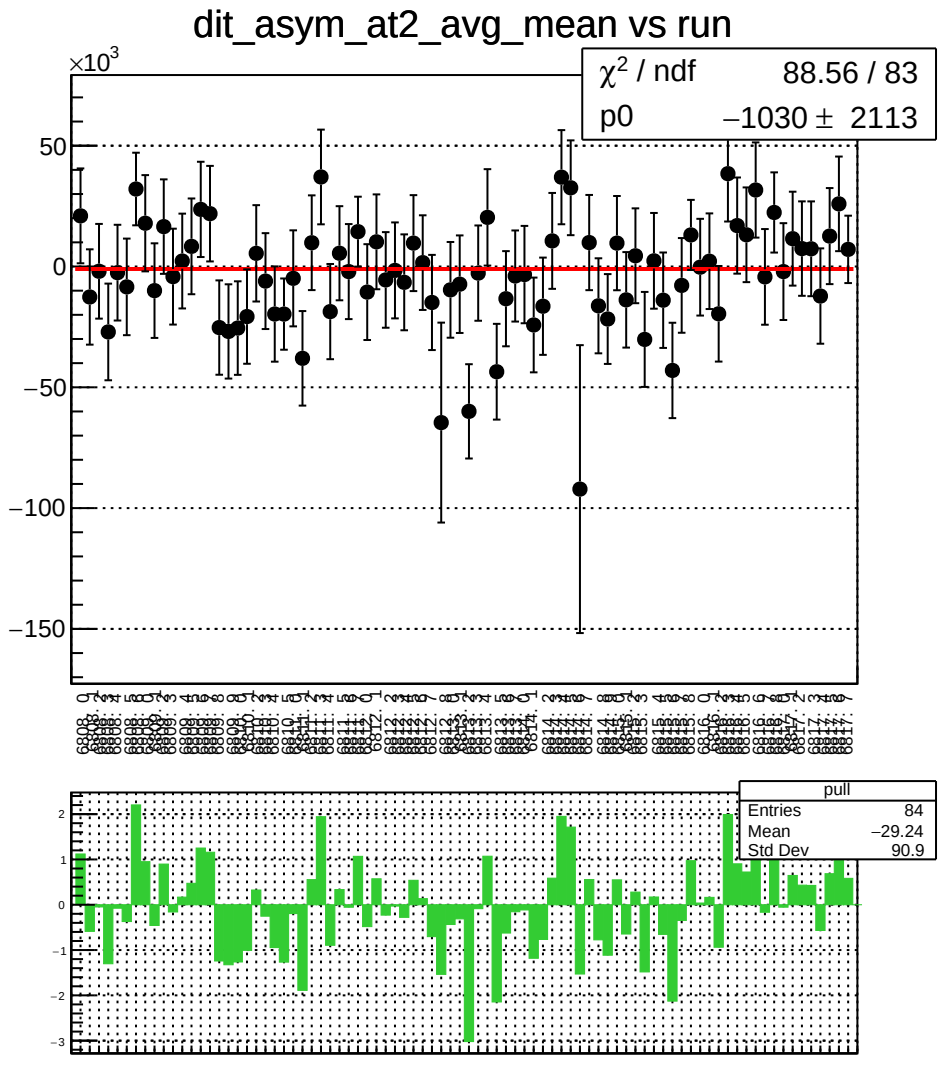

pull1D
Entries 84
Mean 0.006878
Std Dev 1.211

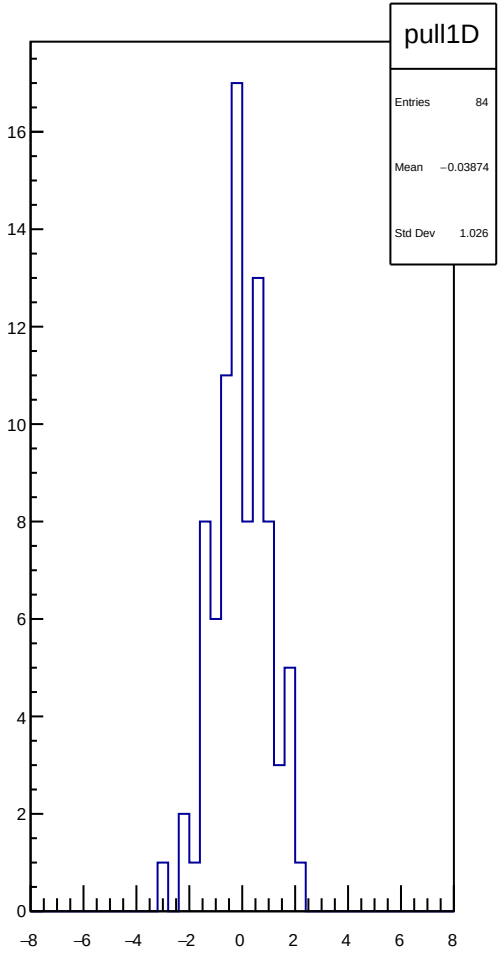

asym_at1_dd_correction_rms vs run
χ² / ndf 2820 / 83
p0 460.3 ± 0.3635
500
480
460
440
420

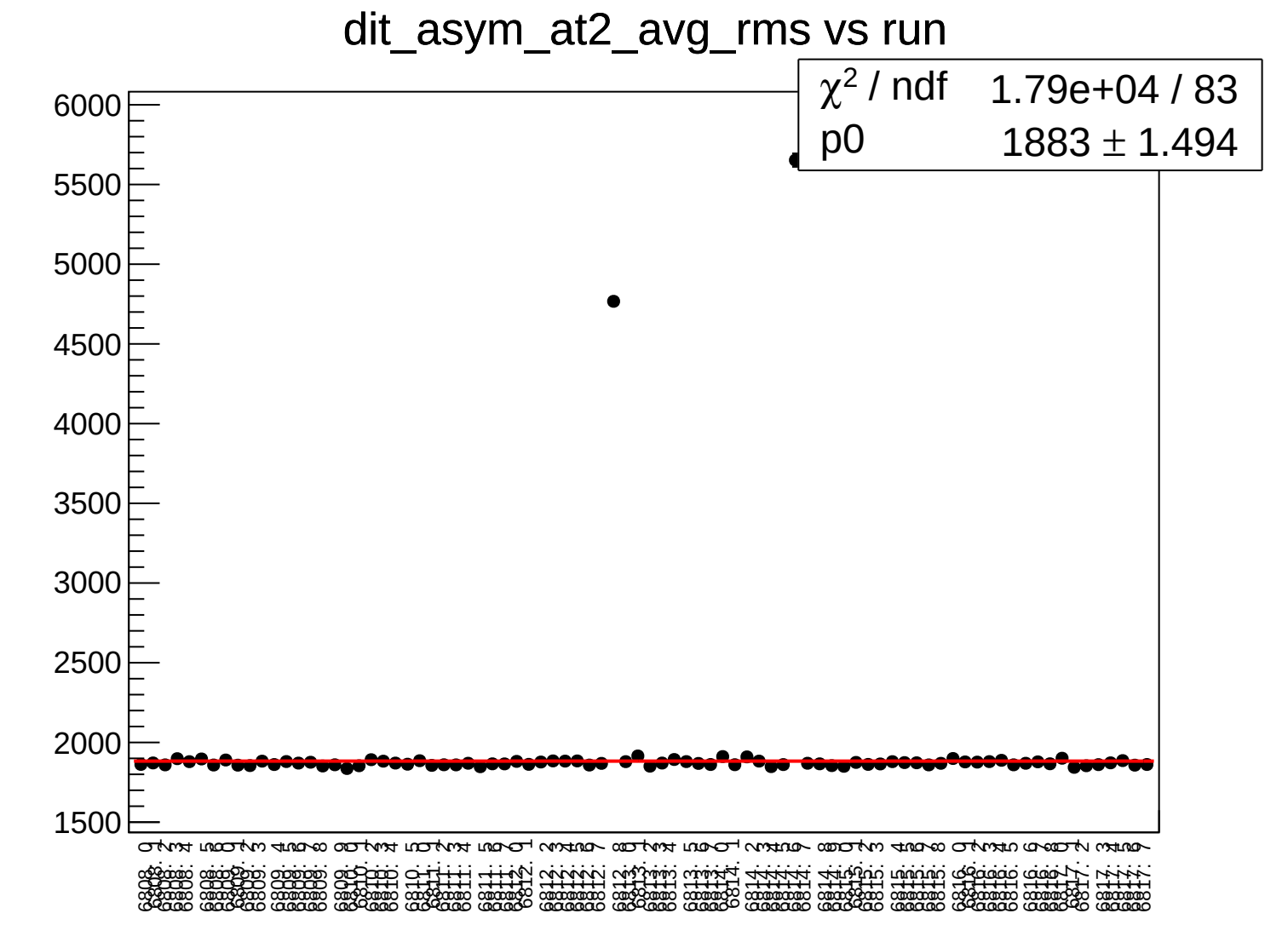

asym_at1_dd_mean vs run
×10^3
χ² / ndf 74.67 / 83
p0 −3692 ± 2118
100
50
0
−50
−100
−150
pull
Entries 84
Mean 775.9
Std Dev 715.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

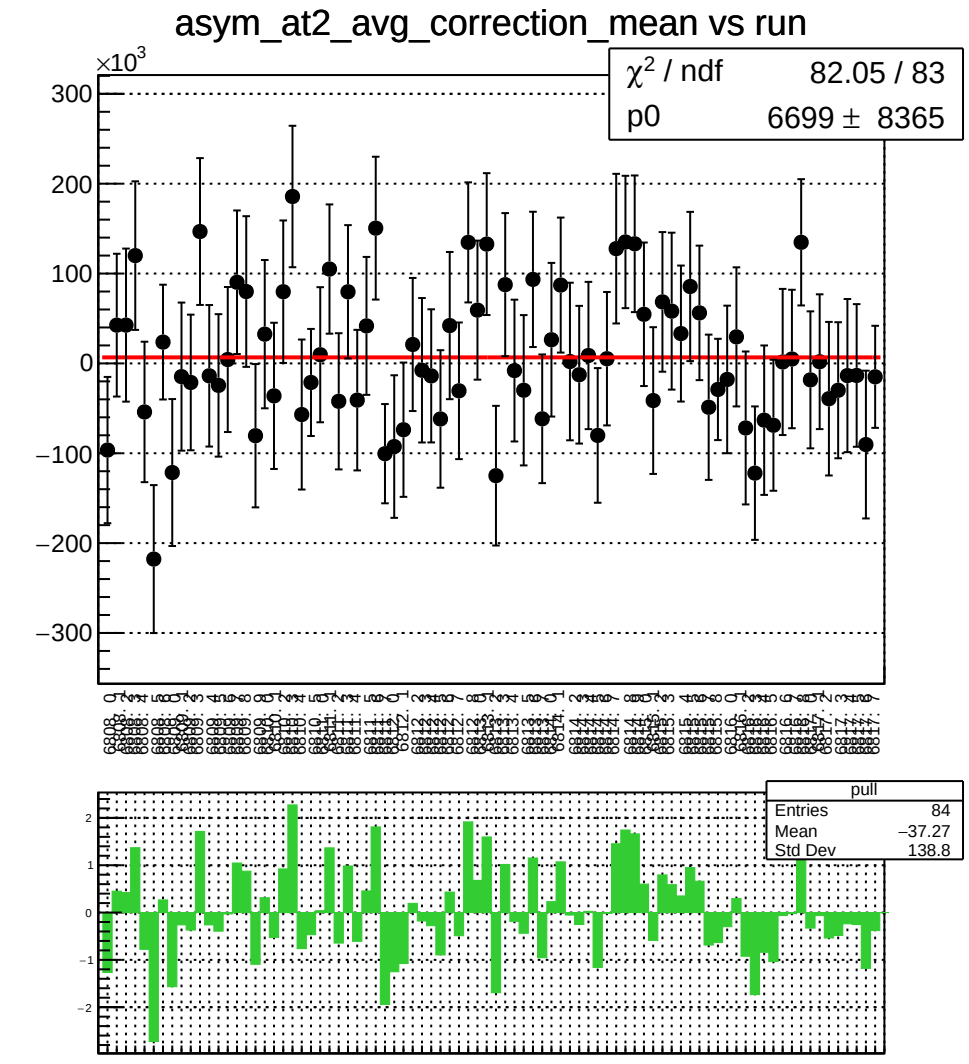

pull1D
Entries 84
Mean 0.002635
Std Dev 0.9428
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

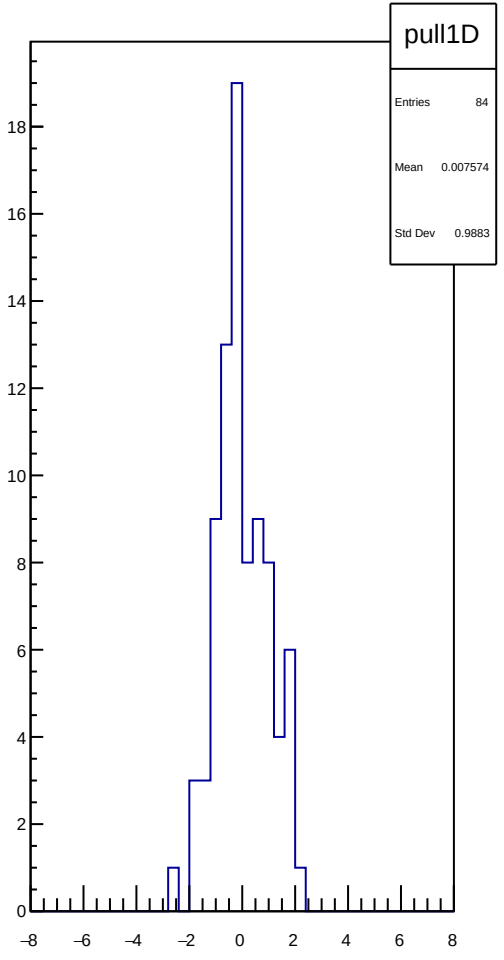

asym_at1_dd_rms vs run
χ² / ndf 1.591e+04 / 83
p0 1889 ± 1.498
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

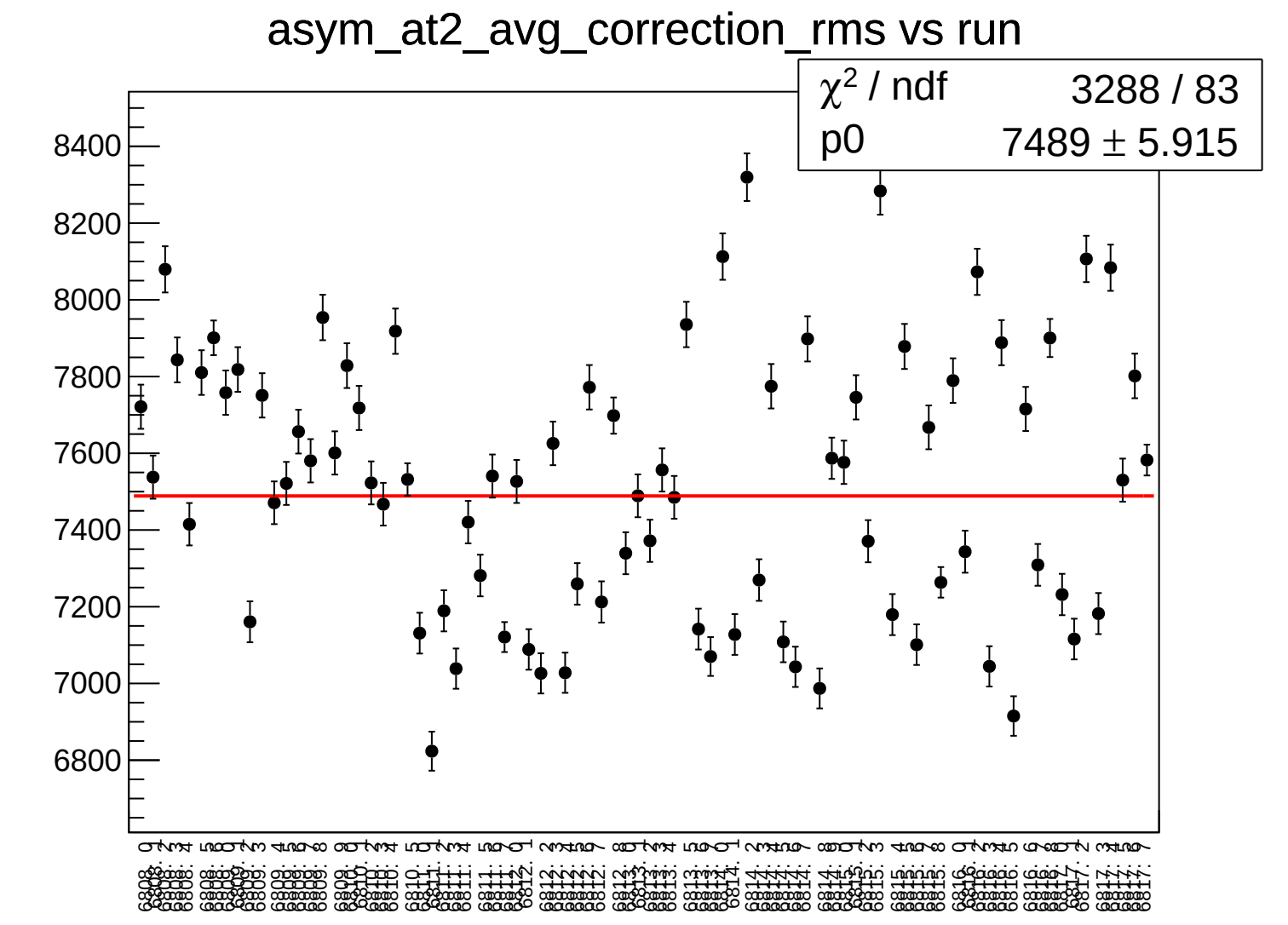

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 88.56 / 83
p0 −1030 ± 2113
50
0
−50
−100
−150
pull
Entries 84
Mean −29.24
Std Dev 90.9
2
1
0
−1
−2
−3

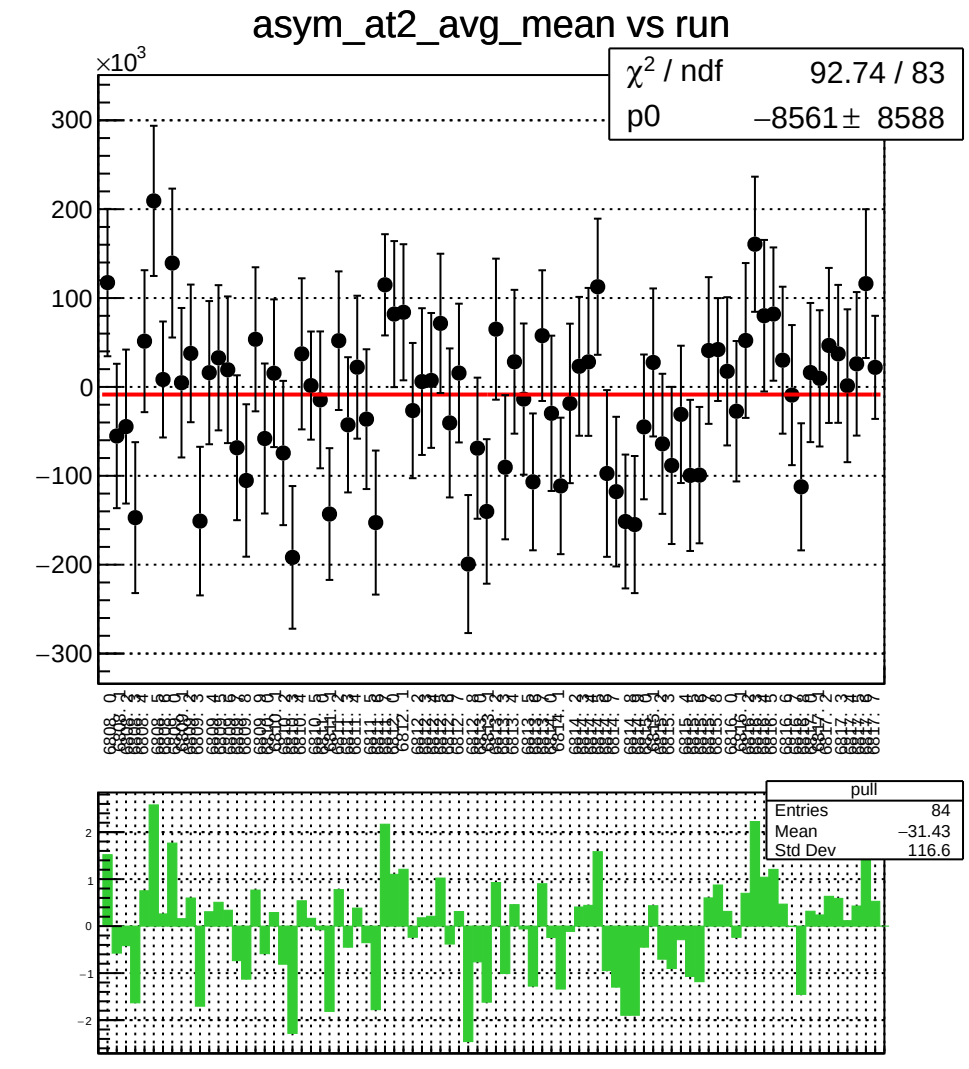

pull1D
Entries 84
Mean −0.03874
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

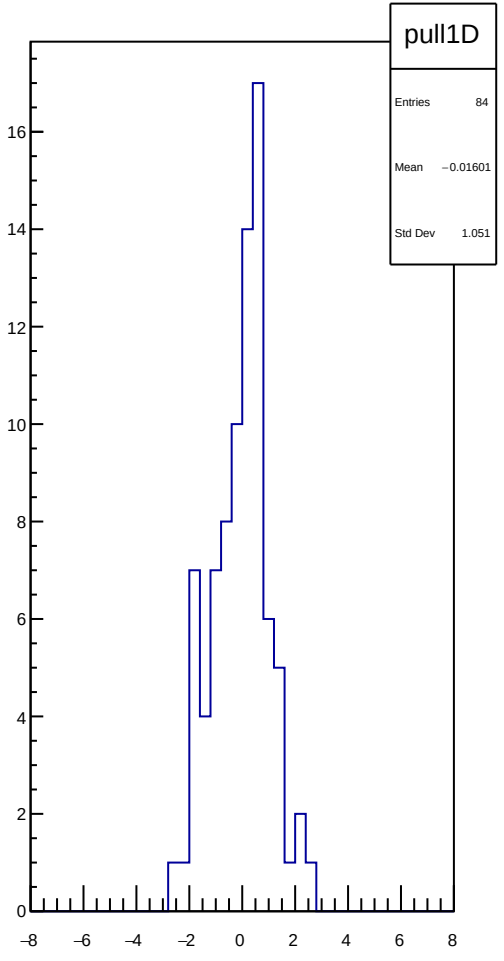

dit_asym_at2_avg_rms vs run
χ² / ndf 1.79e+04 / 83
p0 1883 ± 1.494
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

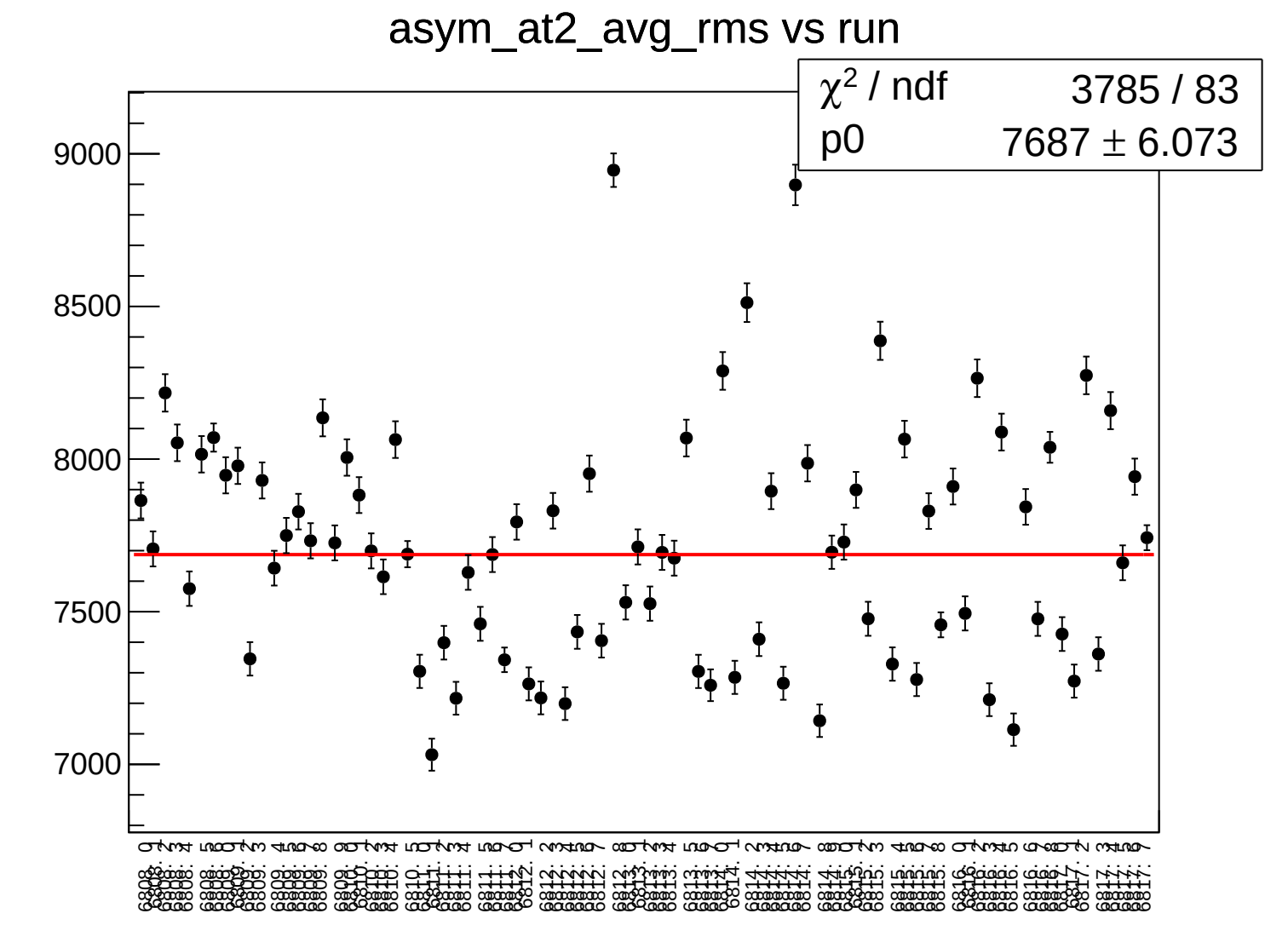

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 82.05 / 83
p0 6699 ± 8365
pull
Entries 84
Mean −37.27
Std Dev 138.8

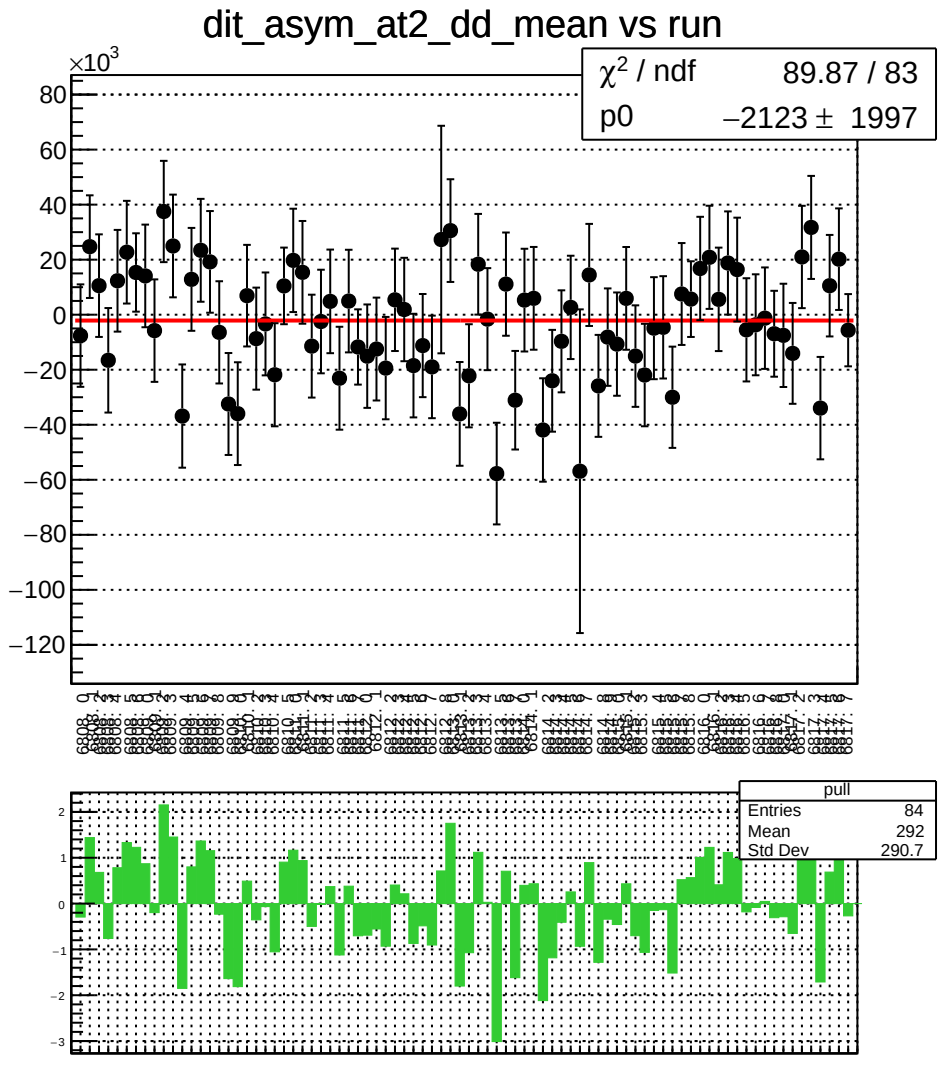

pull1D
Entries 84
Mean 0.007574
Std Dev 0.9883

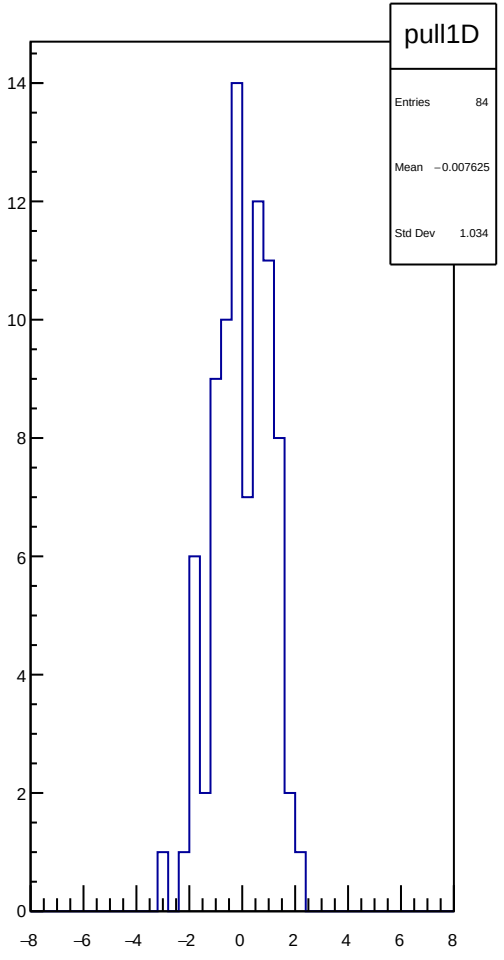

asym_at2_avg_correction_rms vs run
χ² / ndf 3288 / 83
p0 7489 ± 5.915
8400
8200
8000
7800
7600
7400
7200
7000
6800

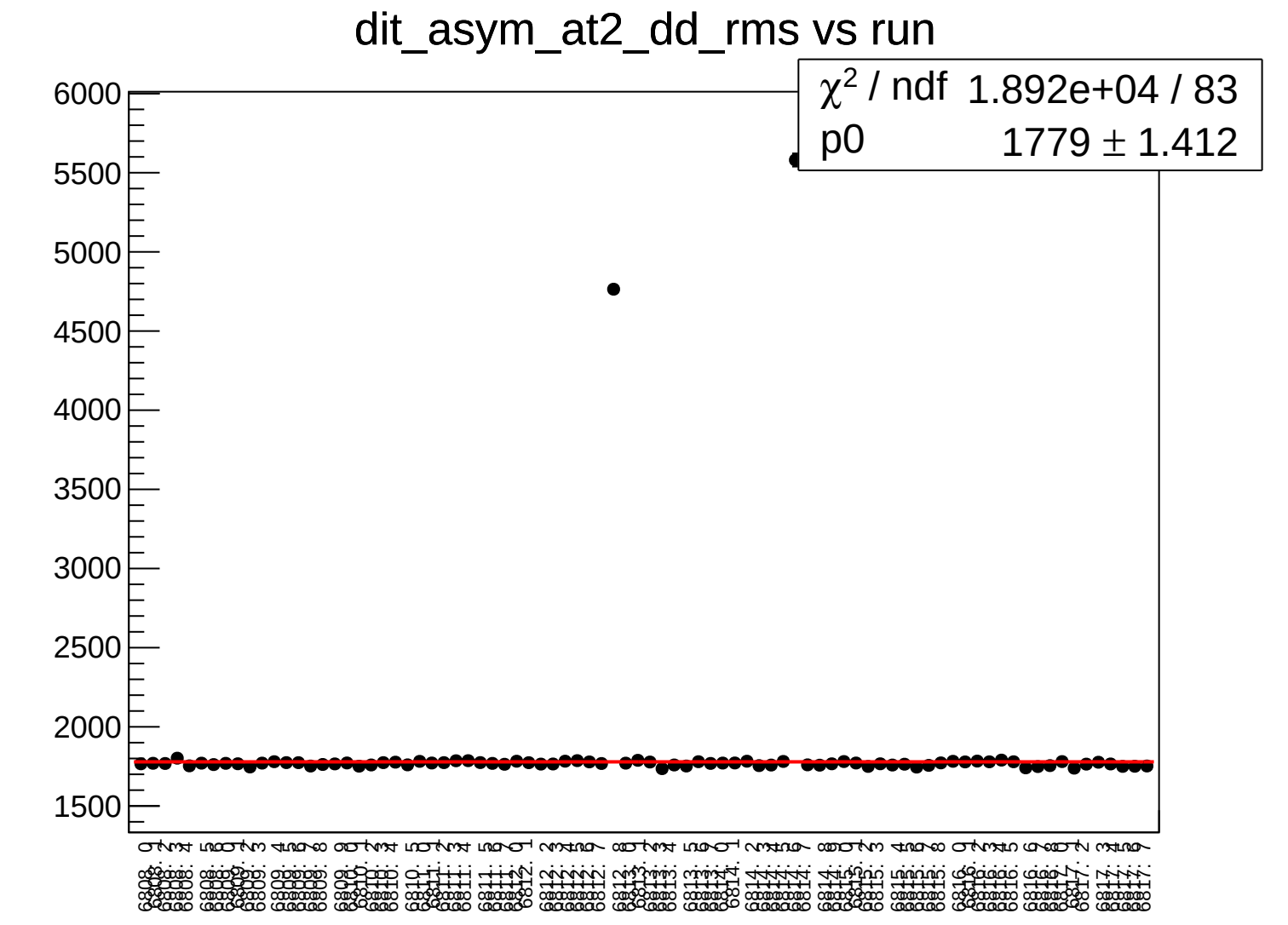

asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 92.74 / 83
p0 −8561 ± 8588
pull
Entries 84
Mean −31.43
Std Dev 116.6

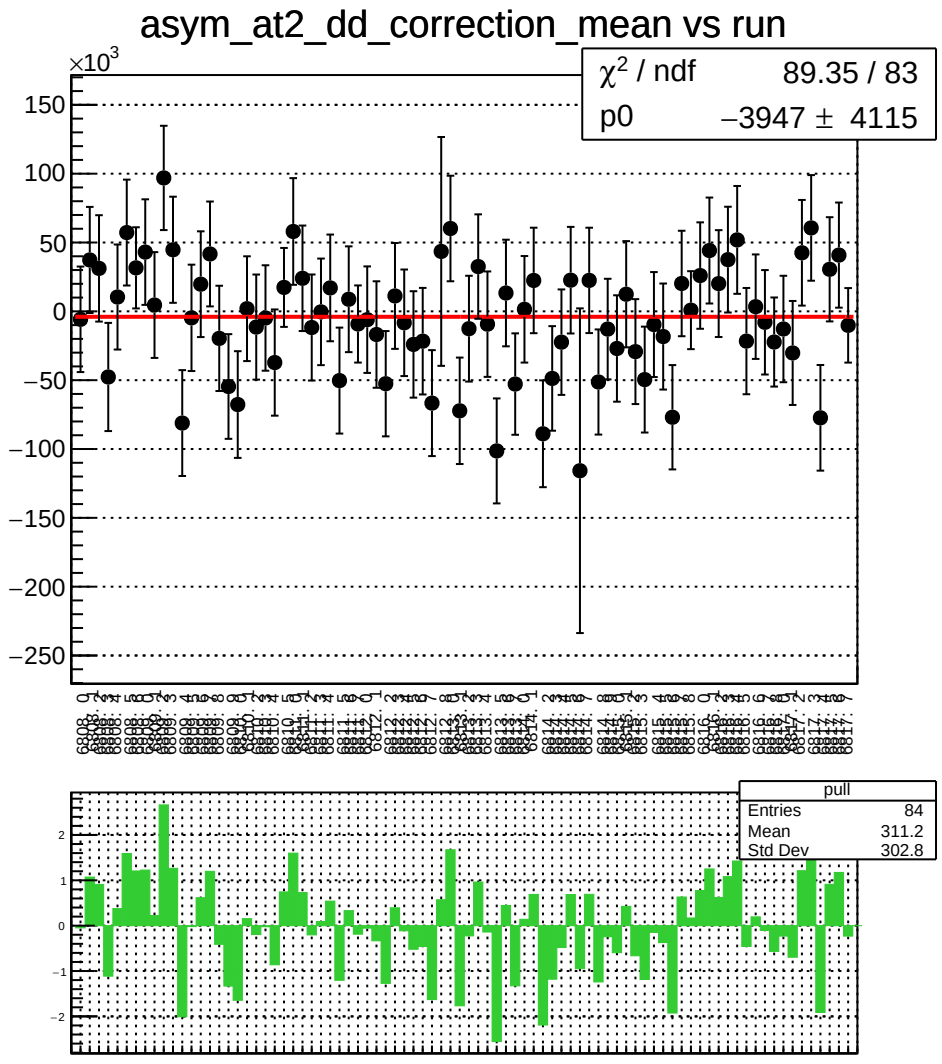

pull1D
Entries 84
Mean −0.01601
Std Dev 1.051

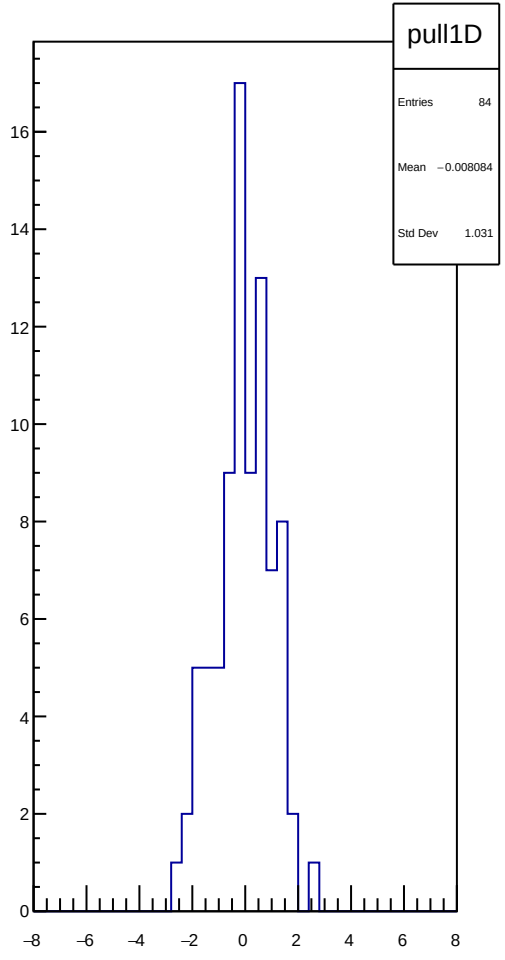

asym_at2_avg_rms vs run
χ^2 / ndf 3785 / 83
p0 7687 ± 6.073
9000
8500
8000
7500
7000

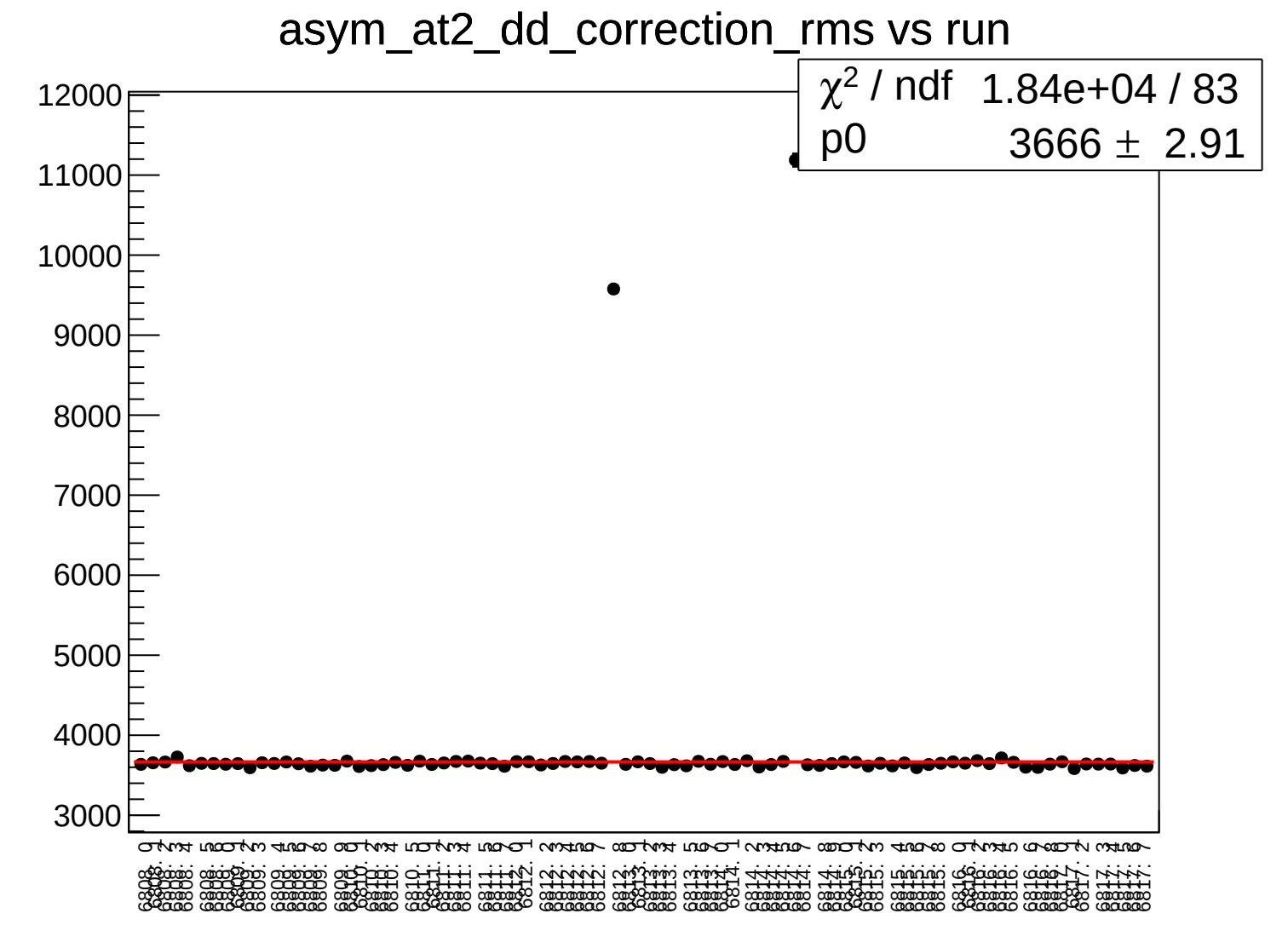

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 89.87 / 83
p0 −2123 ± 1997
pull
Entries 84
Mean 292
Std Dev 290.7

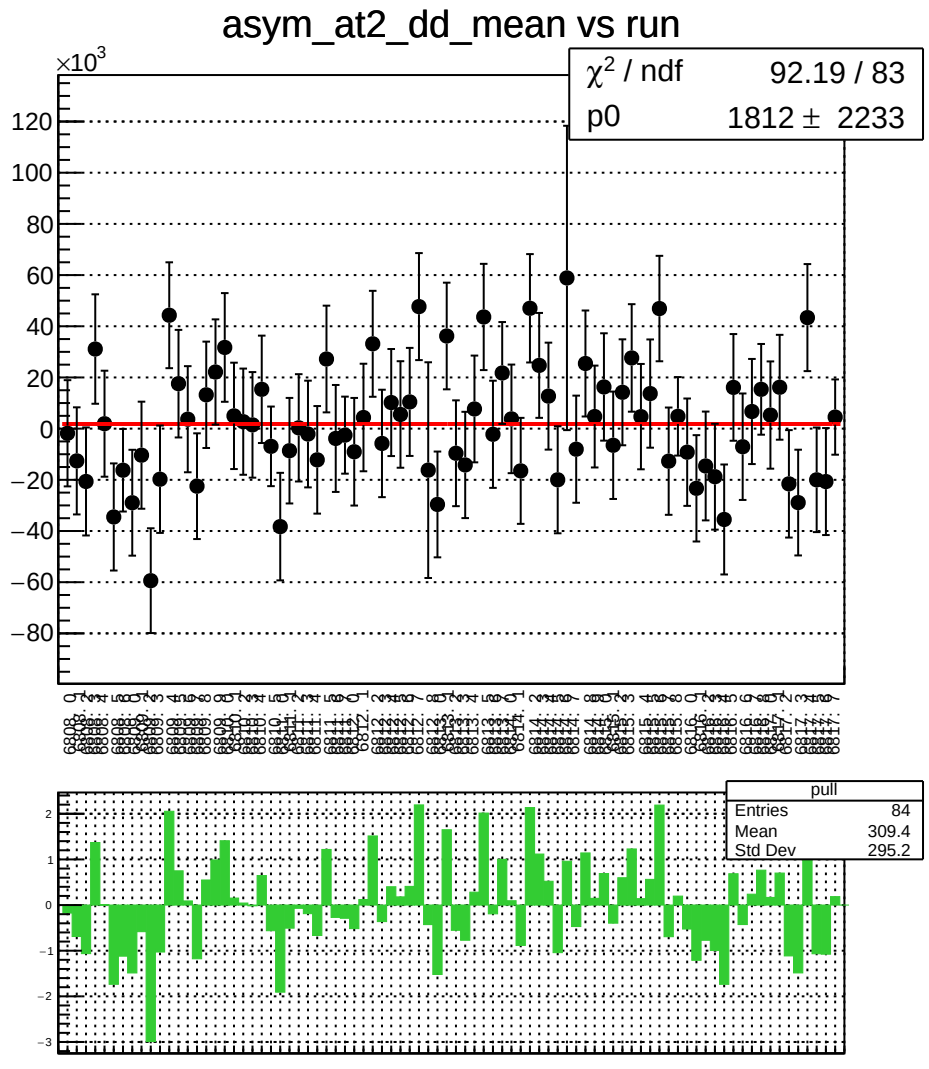

pull1D
Entries 84
Mean −0.007625
Std Dev 1.034

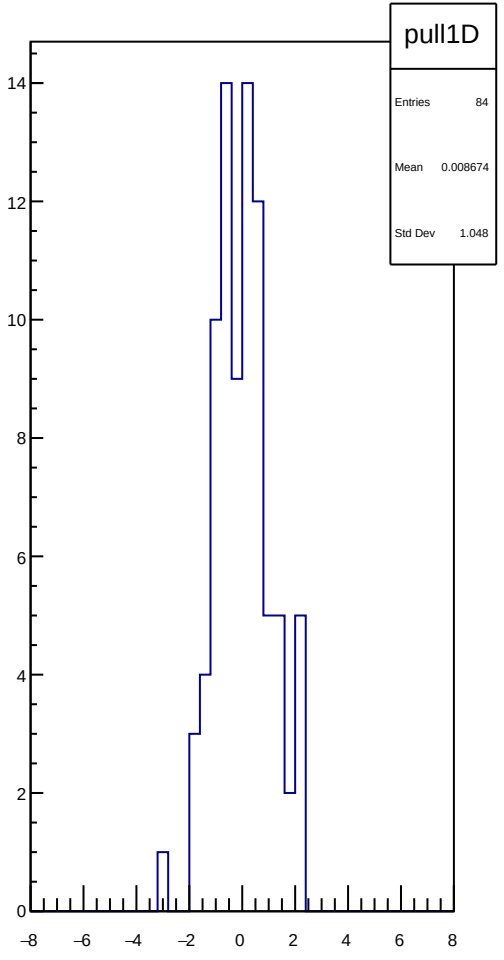

dit_asym_at2_dd_rms vs run
χ² / ndf 1.892e+04 / 83
p0 1779 ± 1.412
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

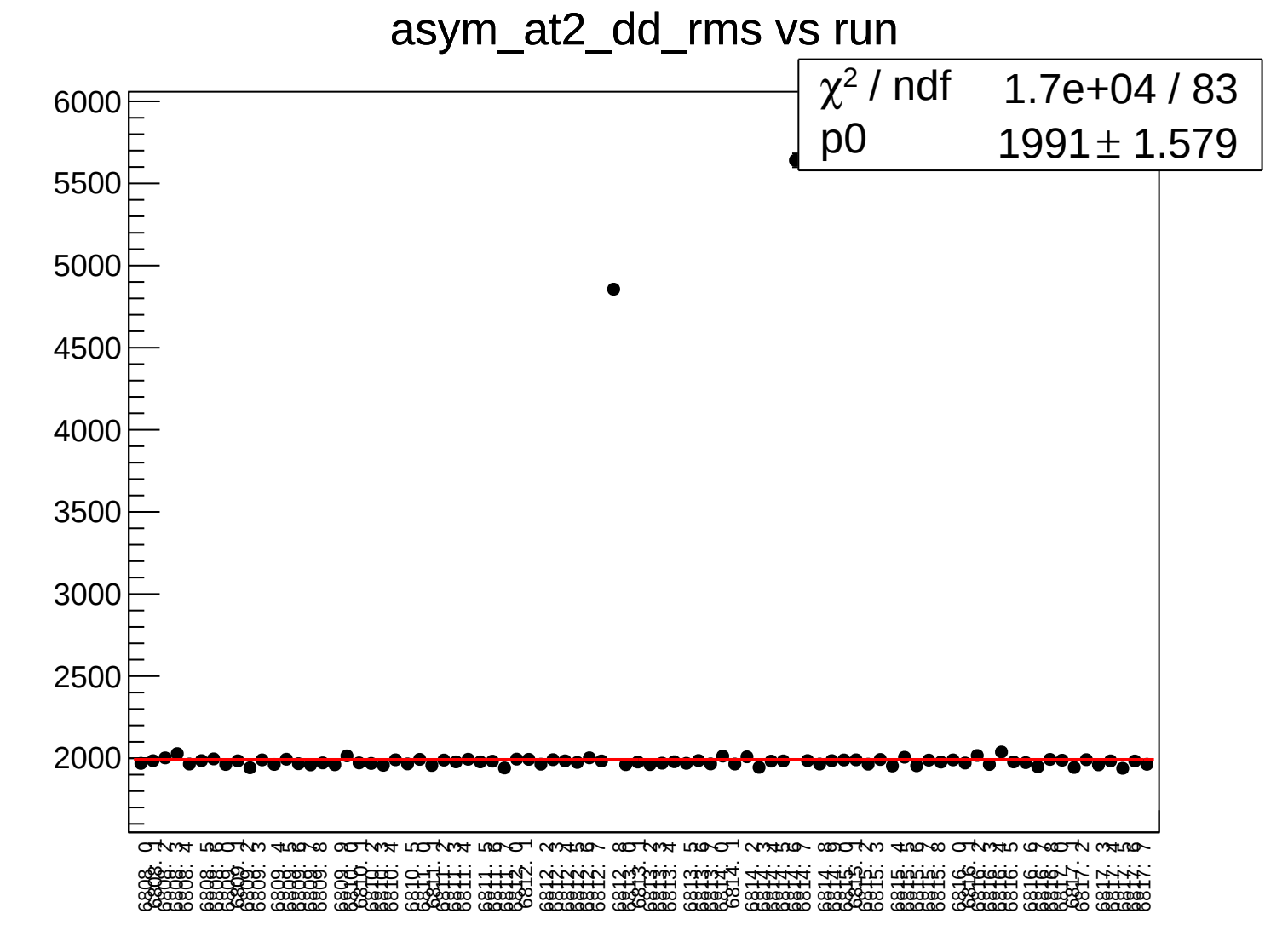

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 89.35 / 83
p0 −3947 ± 4115
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 84
Mean 311.2
Std Dev 302.8
2
1
0
−1
−2

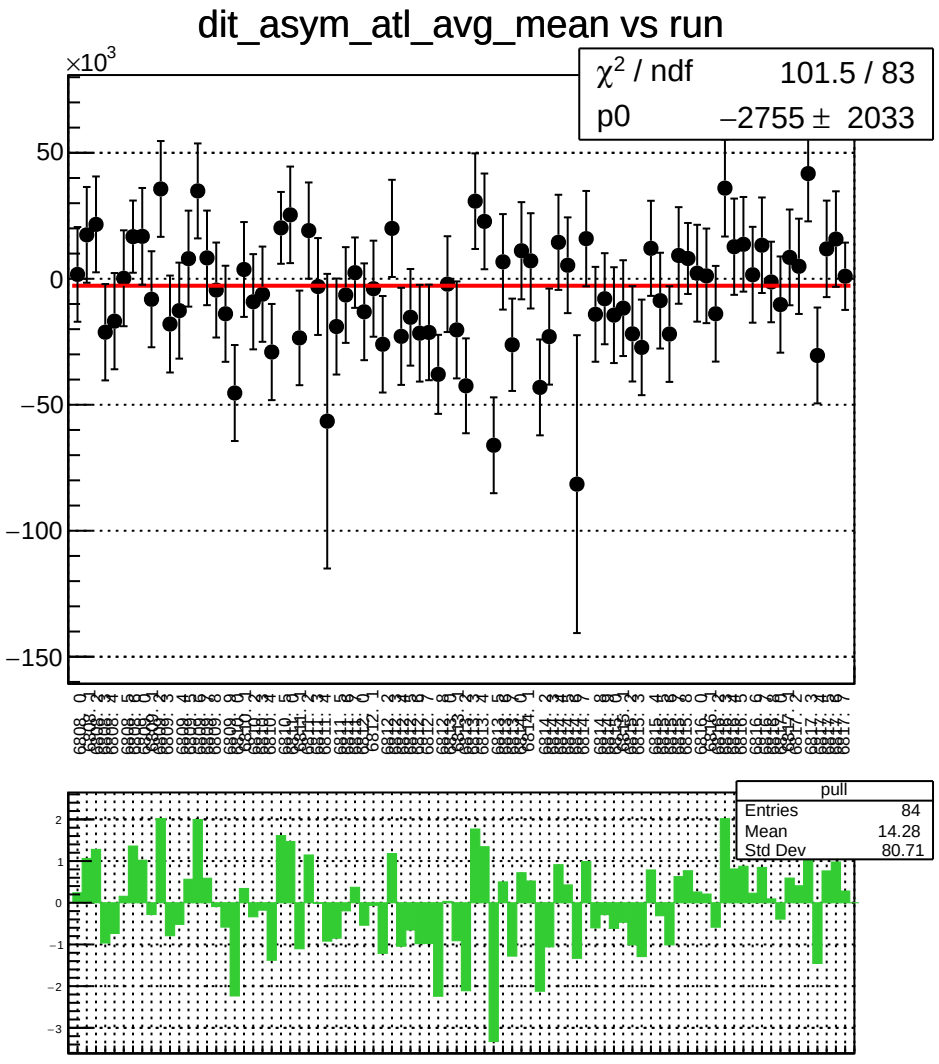

pull1D
Entries 84
Mean −0.008084
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

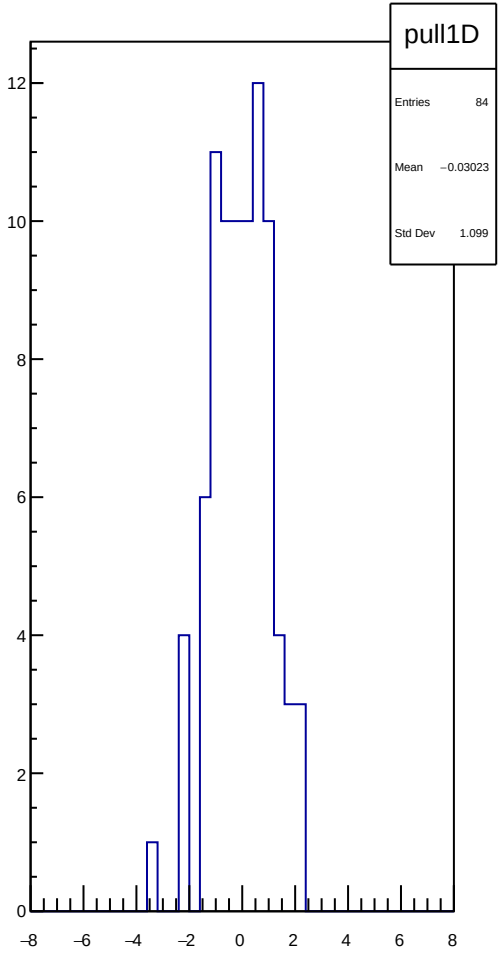

asym_at2_dd_correction_rms vs run
χ² / ndf 1.84e+04 / 83
p0 3666 ± 2.91
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000

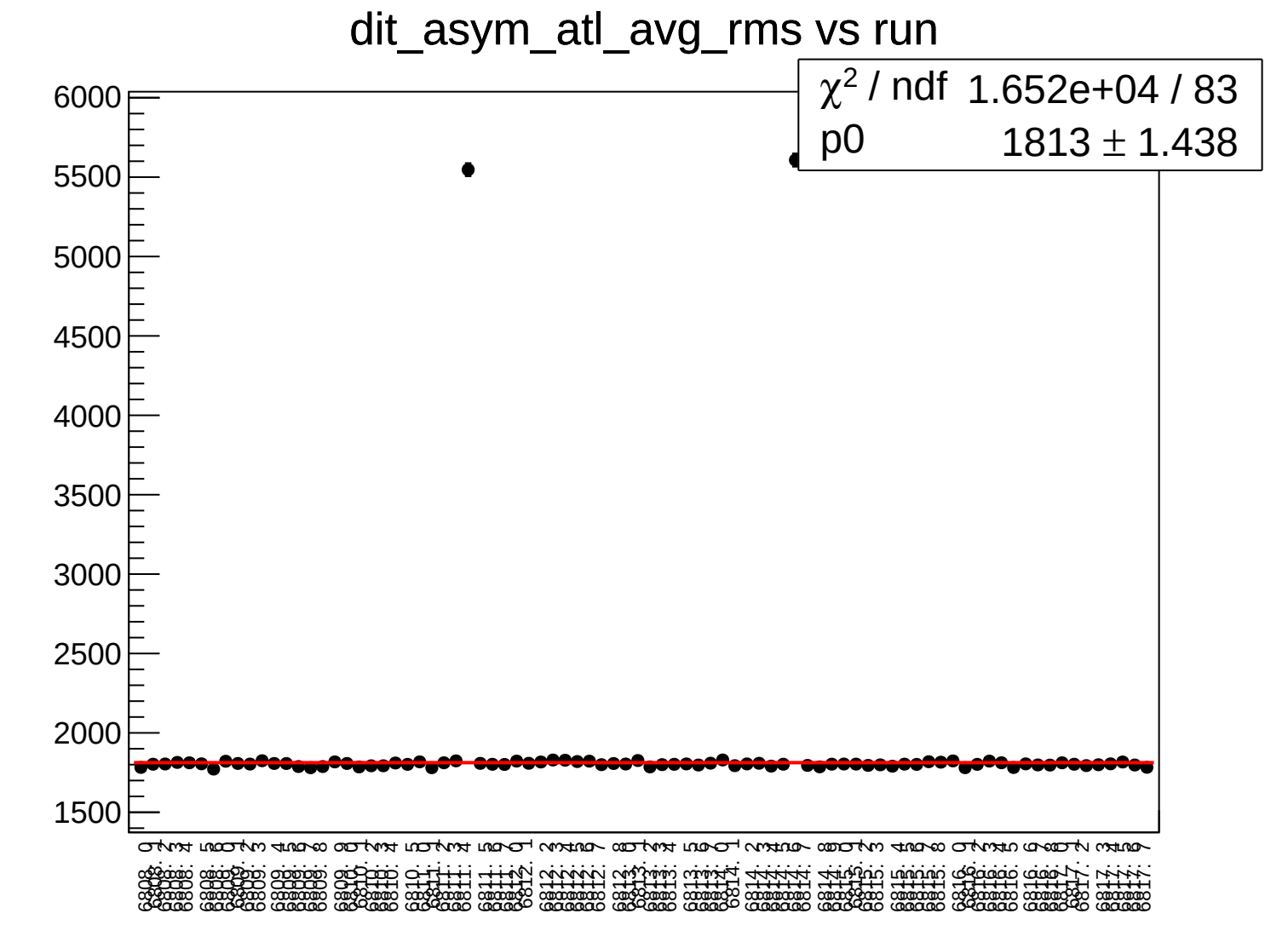

asym_at2_dd_mean vs run
×10^3
χ² / ndf 92.19 / 83
p0 1812 ± 2233
pull
Entries 84
Mean 309.4
Std Dev 295.2

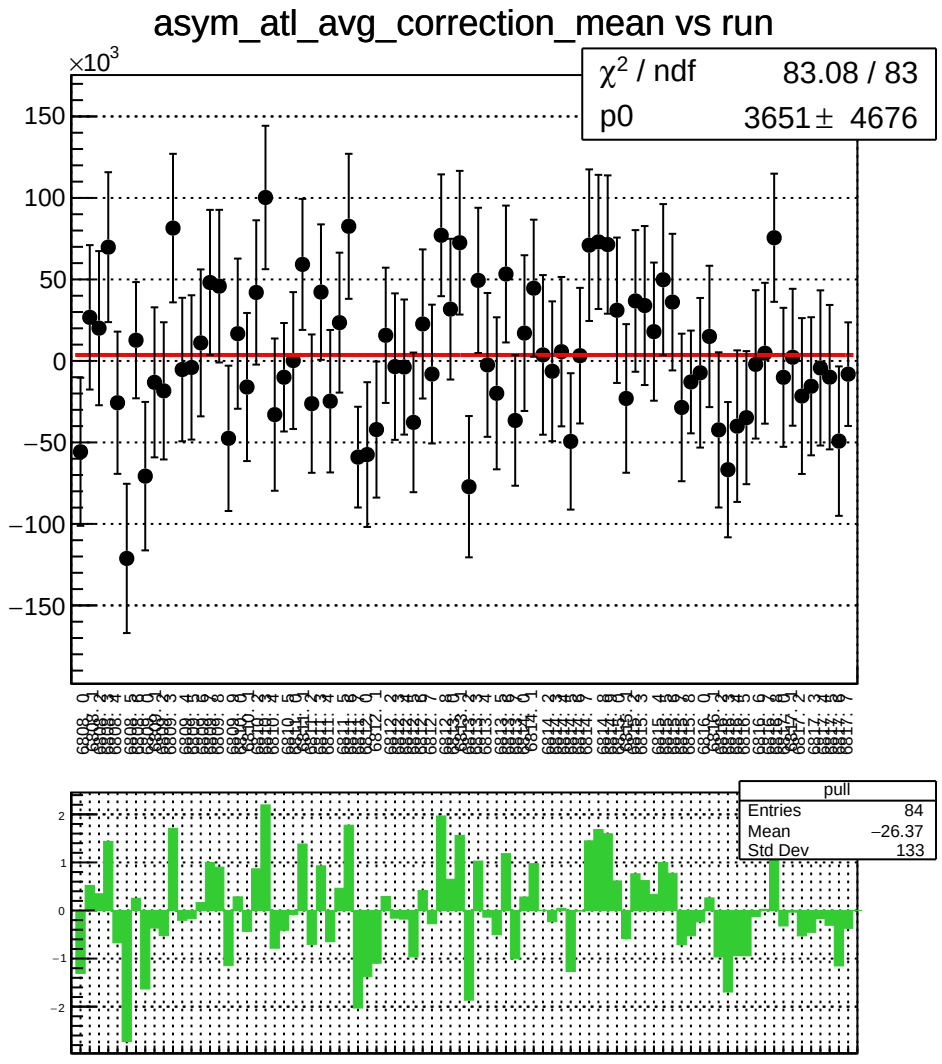

pull1D
Entries 84
Mean 0.008674
Std Dev 1.048

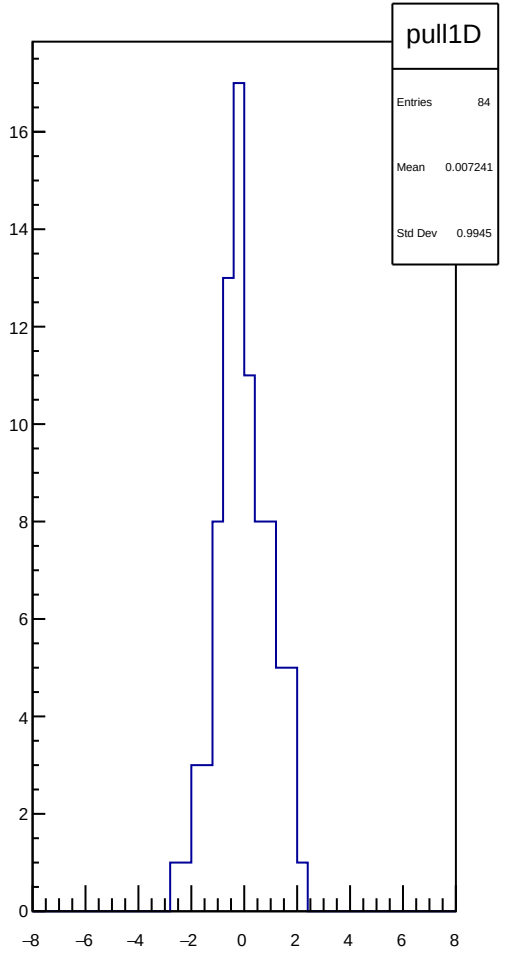

asym_at2_dd_rms vs run
χ² / ndf 1.7e+04 / 83
p0 1991 ± 1.579
6000
5500
5000
4500
4000
3500
3000
2500
2000

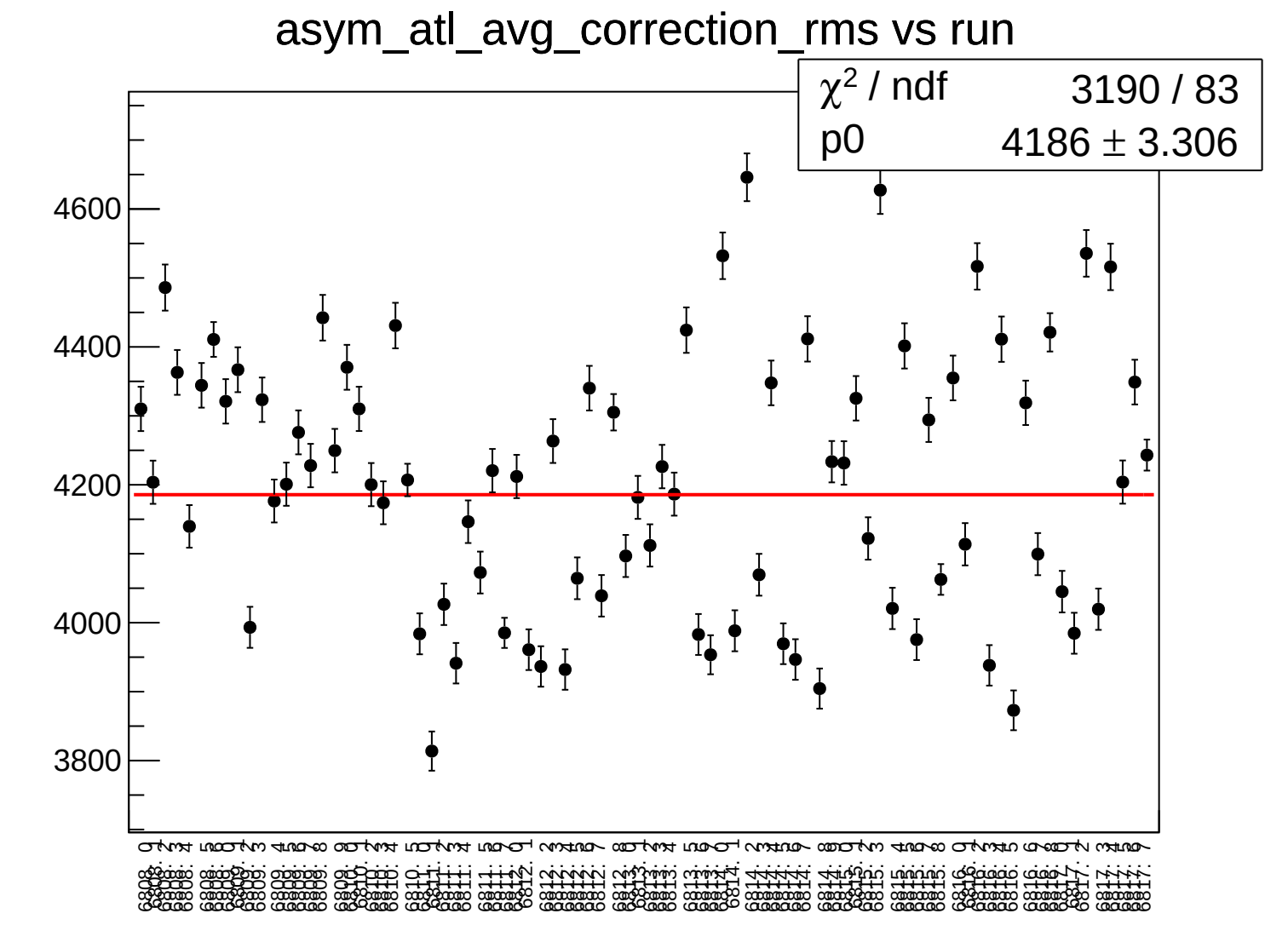

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 101.5 / 83
p0 −2755 ± 2033
50
0
−50
−100
−150
pull
Entries 84
Mean 14.28
Std Dev 80.71
2
1
0
−1
−2
−3

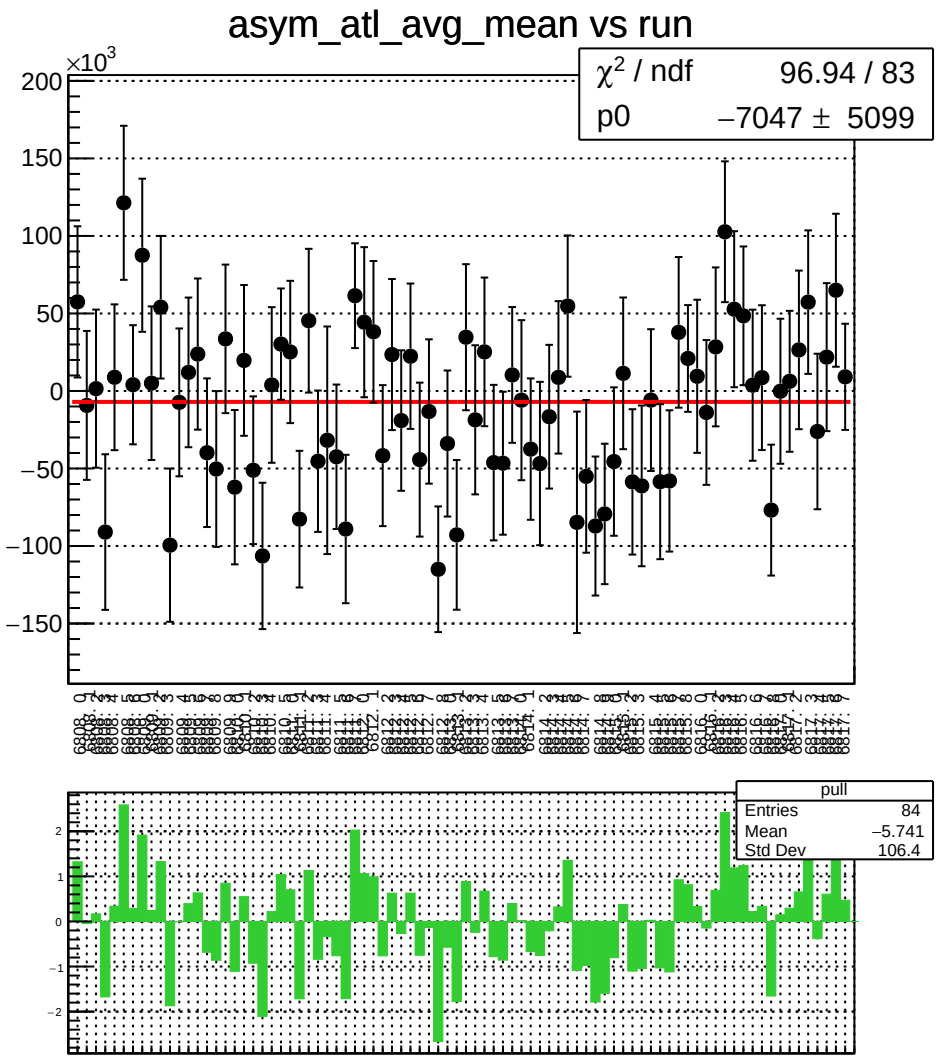

pull1D
Entries 84
Mean −0.03023
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

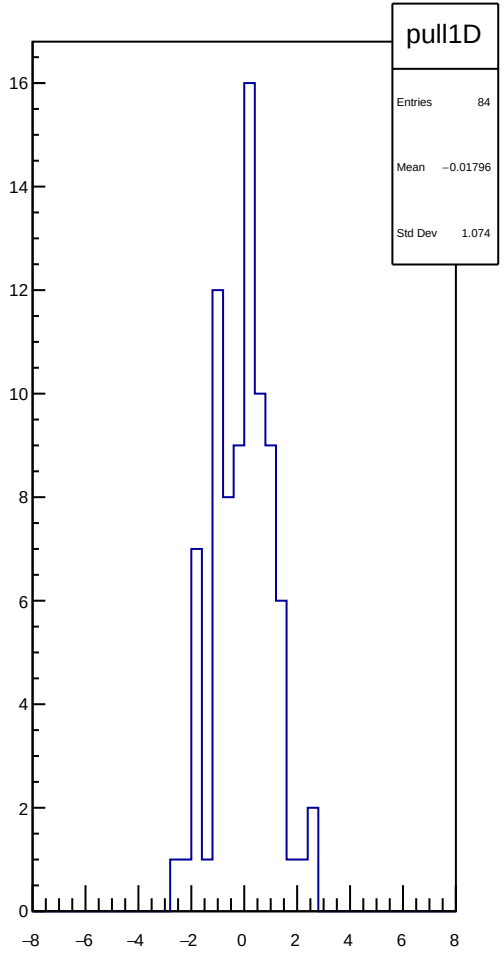

dit_asym_atl_avg_rms vs run
χ² / ndf 1.652e+04 / 83
p0 1813 ± 1.438
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

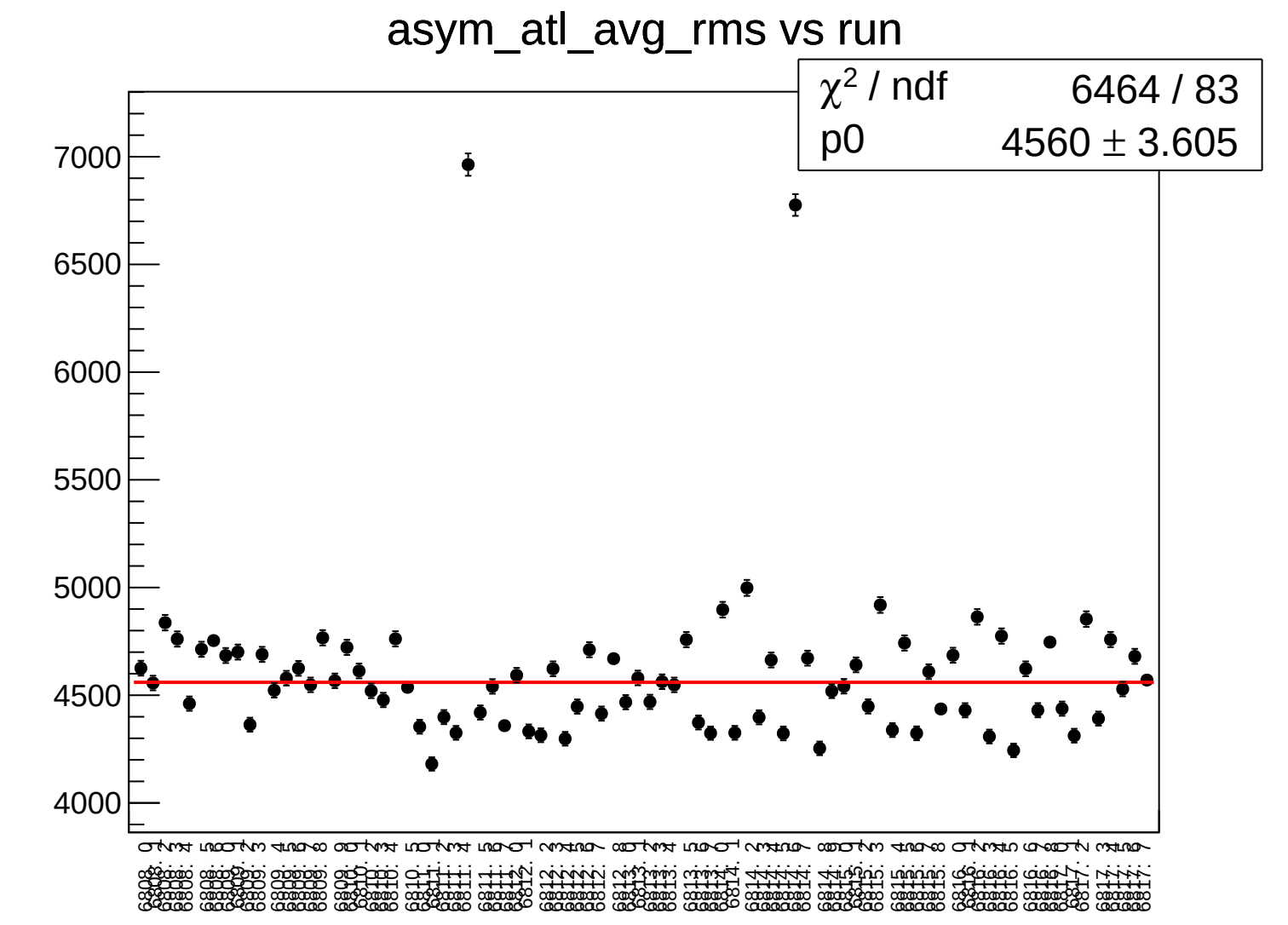

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 83.08 / 83
p0 3651 ± 4676
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −26.37
Std Dev 133
2
1
0
−1
−2

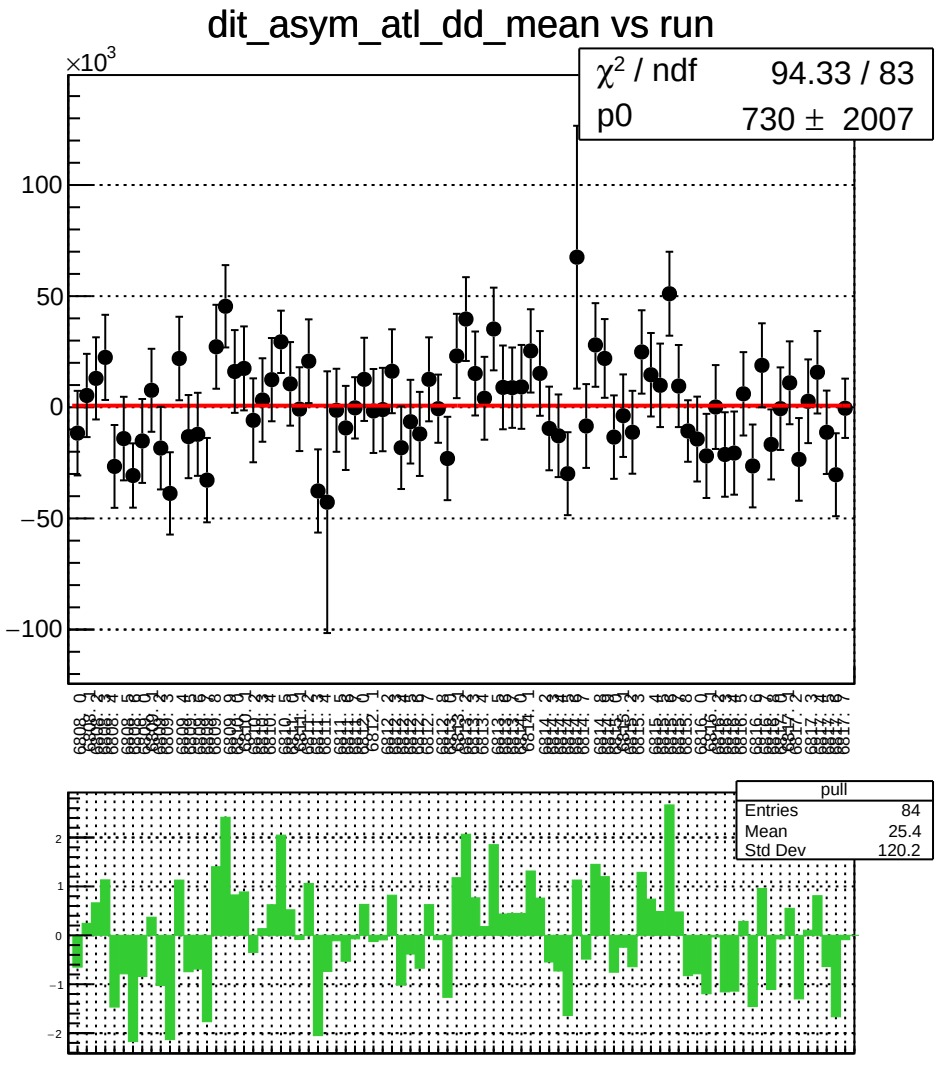

pull1D
Entries 84
Mean 0.007241
Std Dev 0.9945
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

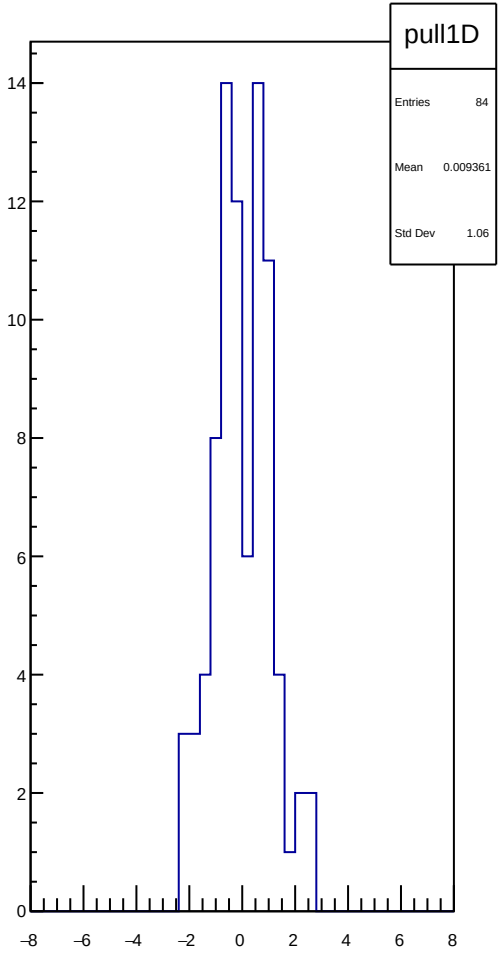

asym_atl_avg_correction_rms vs run
χ² / ndf 3190 / 83
p0 4186 ± 3.306
4600
4400
4200
4000
3800

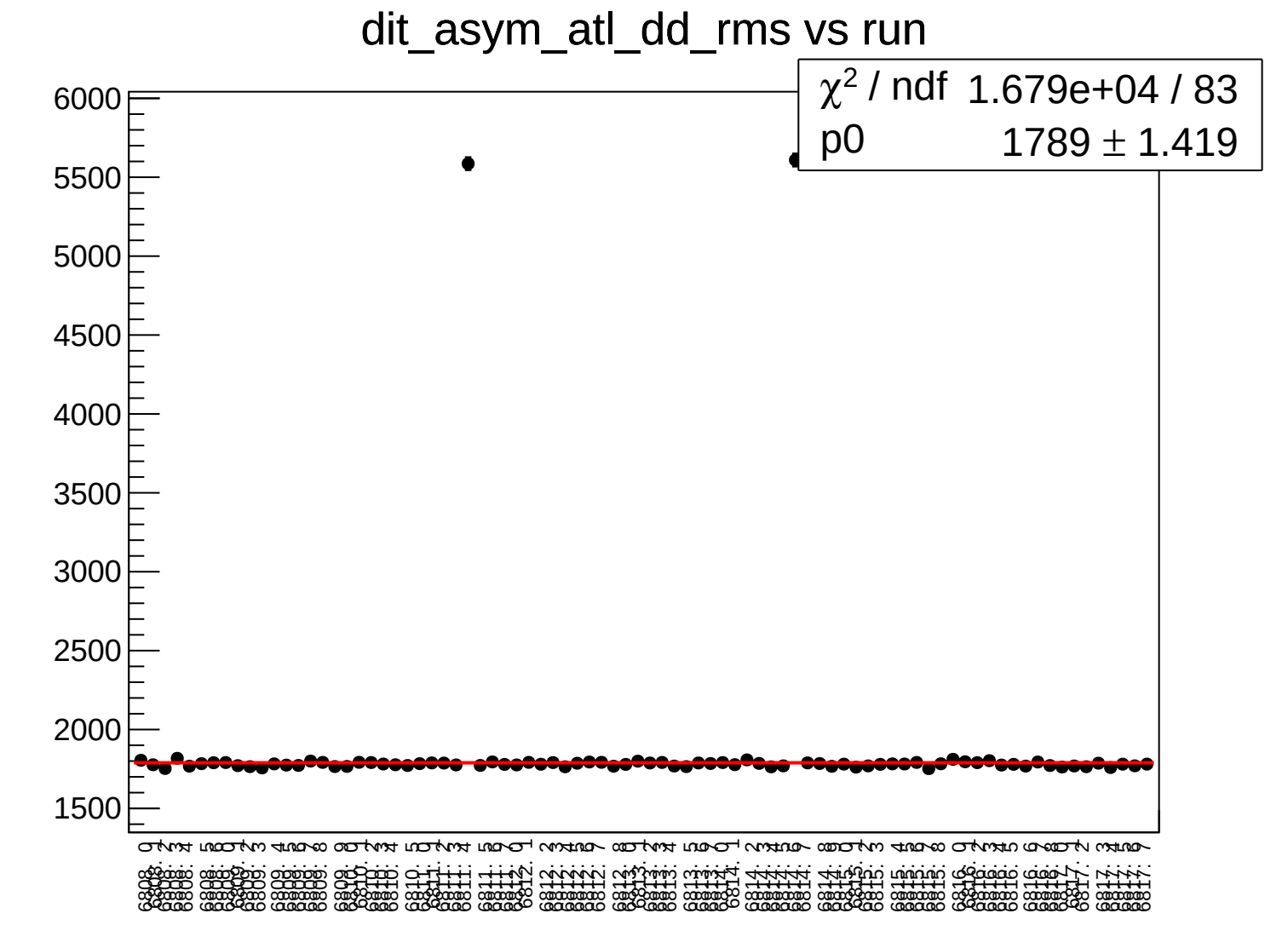

asym_atl_avg_mean vs run
×10^3
χ² / ndf 96.94 / 83
p0 −7047 ± 5099
200
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −5.741
Std Dev 106.4
2
1
0
−1
−2

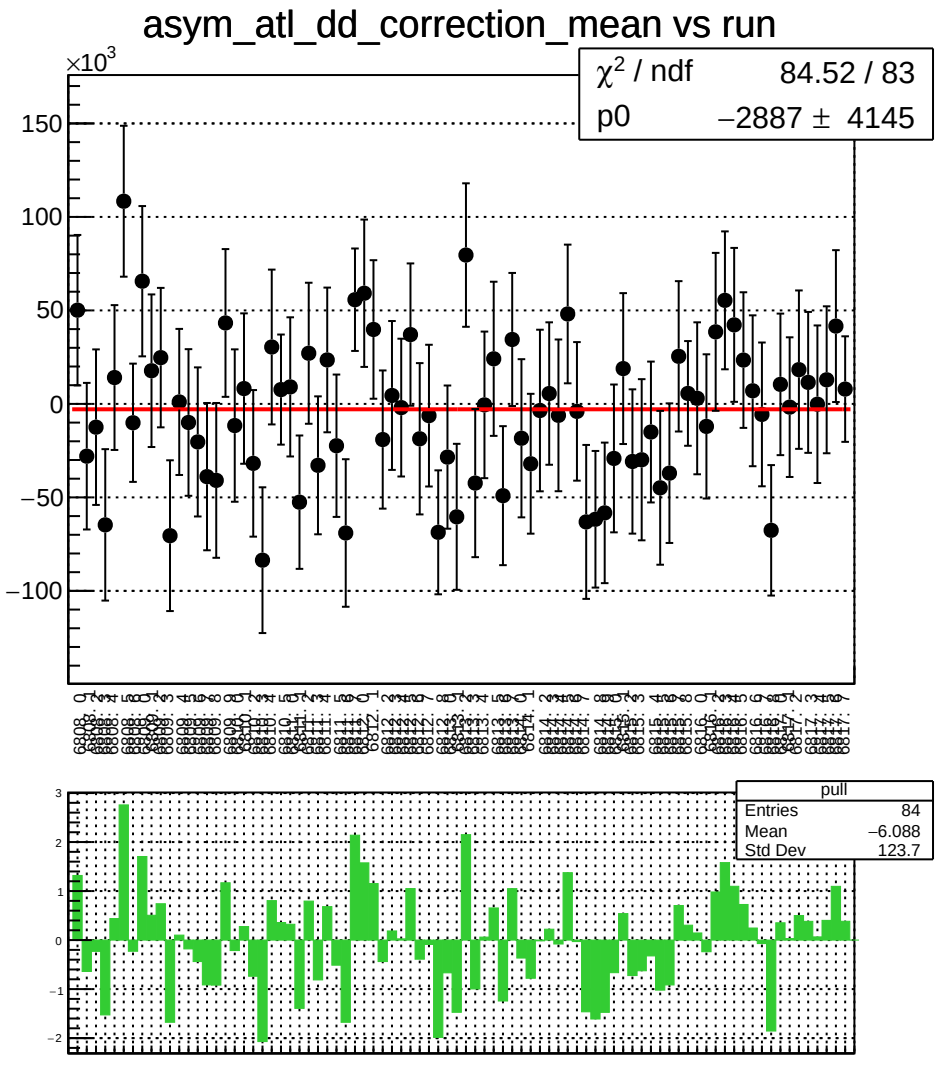

pull1D
Entries 84
Mean −0.01796
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

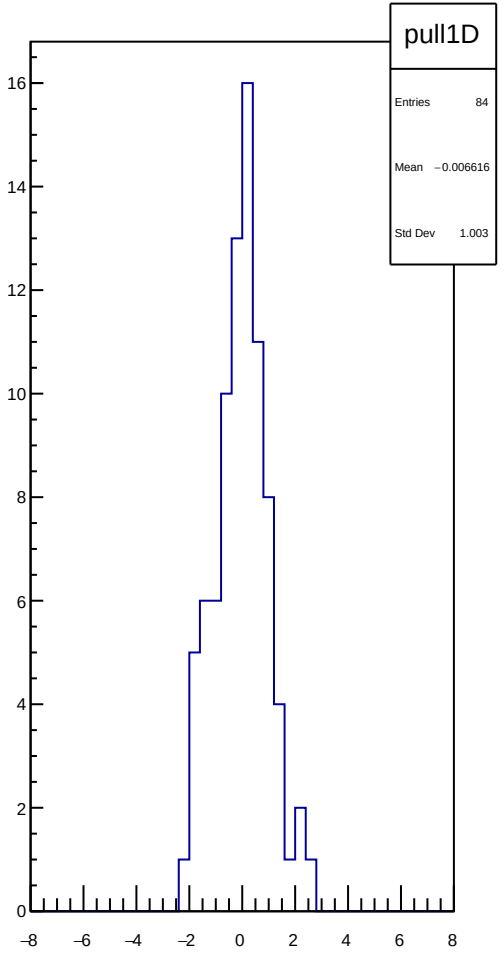

asym_atl_avg_rms vs run
χ^2 / ndf 6464 / 83
p0 4560 ± 3.605
7000
6500
6000
5500
5000
4500
4000

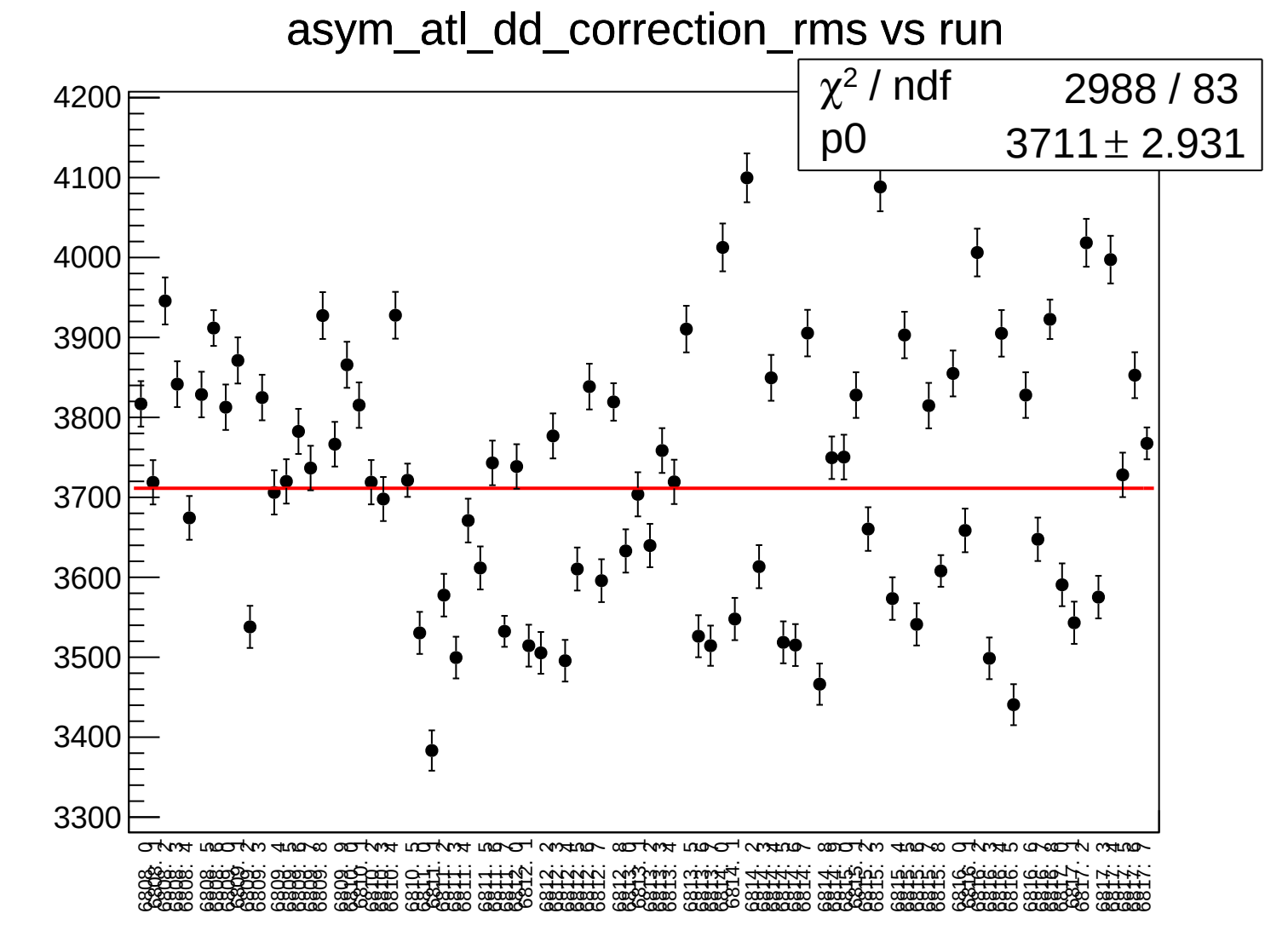

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 94.33 / 83
p0 730 ± 2007
100
50
0
−50
−100
pull
Entries 84
Mean 25.4
Std Dev 120.2
2
1
0
−1
−2

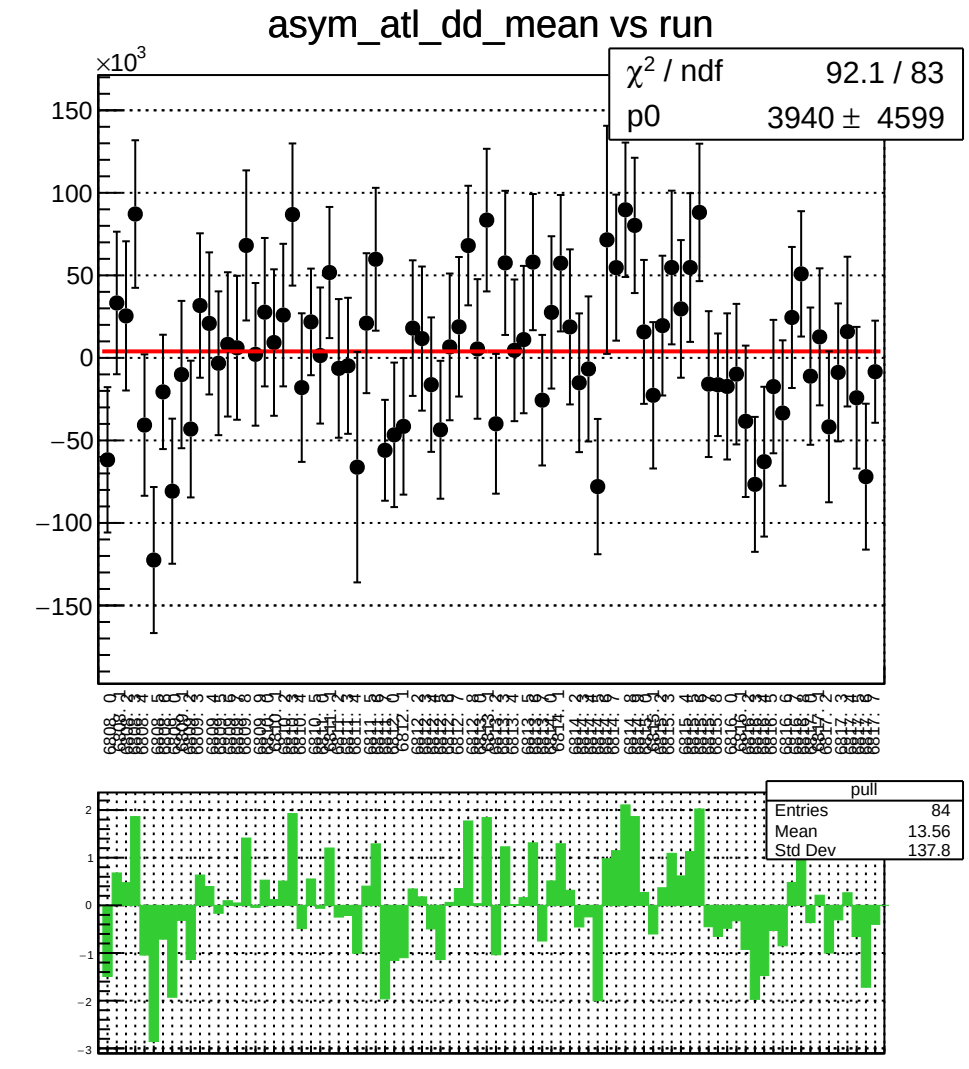

pull1D
Entries 84
Mean 0.009361
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

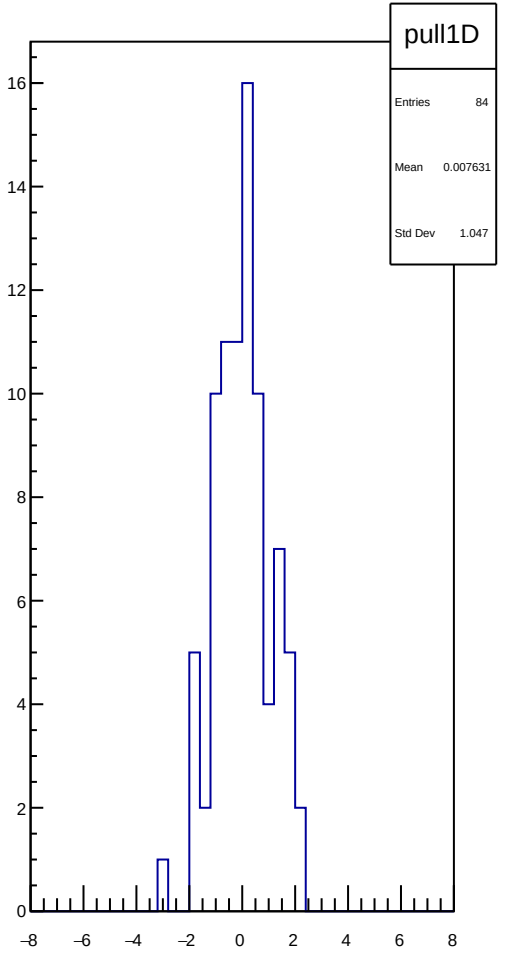

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1.679e+04 / 83
p0 1789 ± 1.419
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

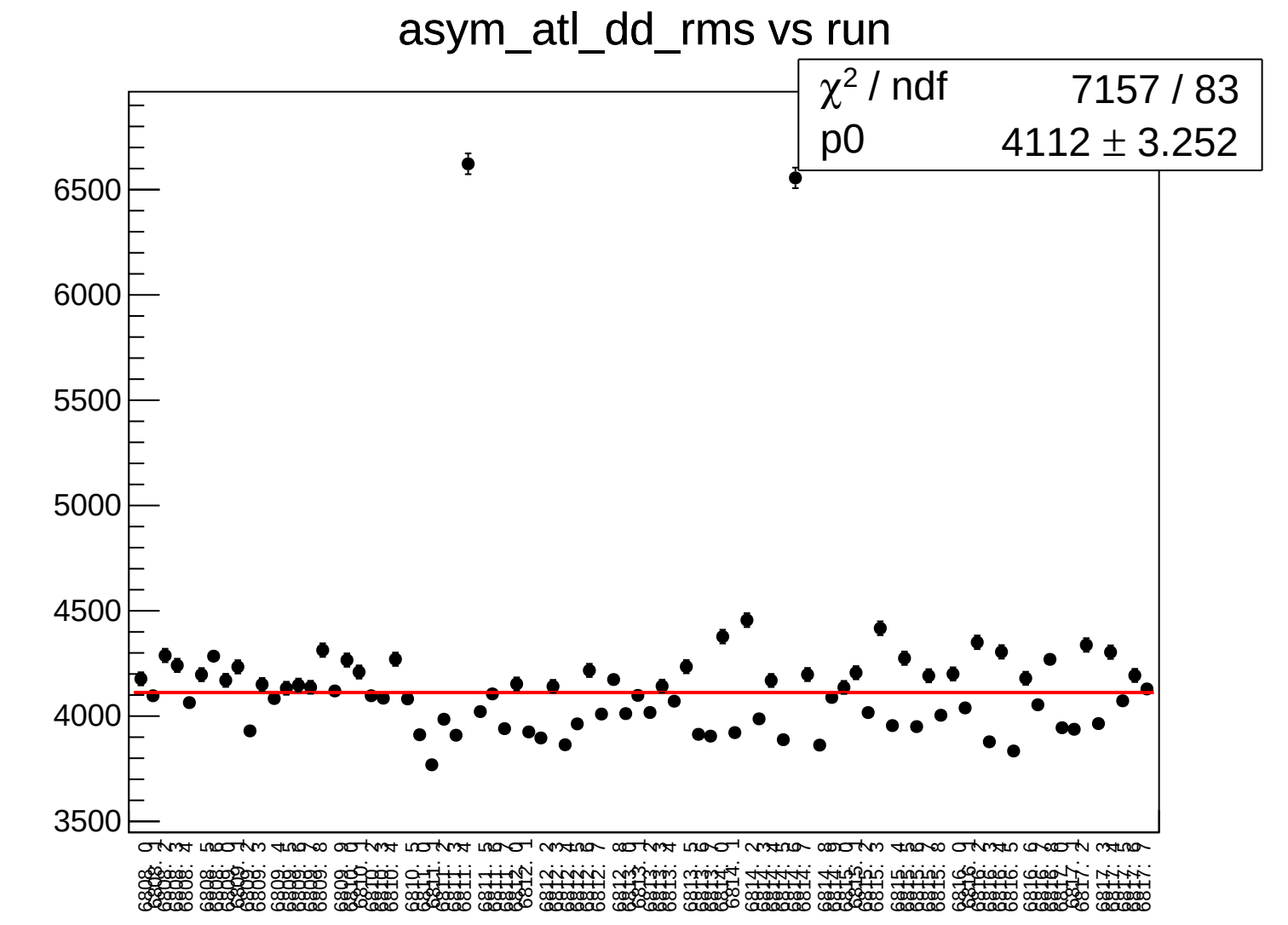

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 84.52 / 83
p0 −2887 ± 4145
150
100
50
0
−50
−100
pull
Entries 84
Mean −6.088
Std Dev 123.7
3
2
1
0
−1
−2

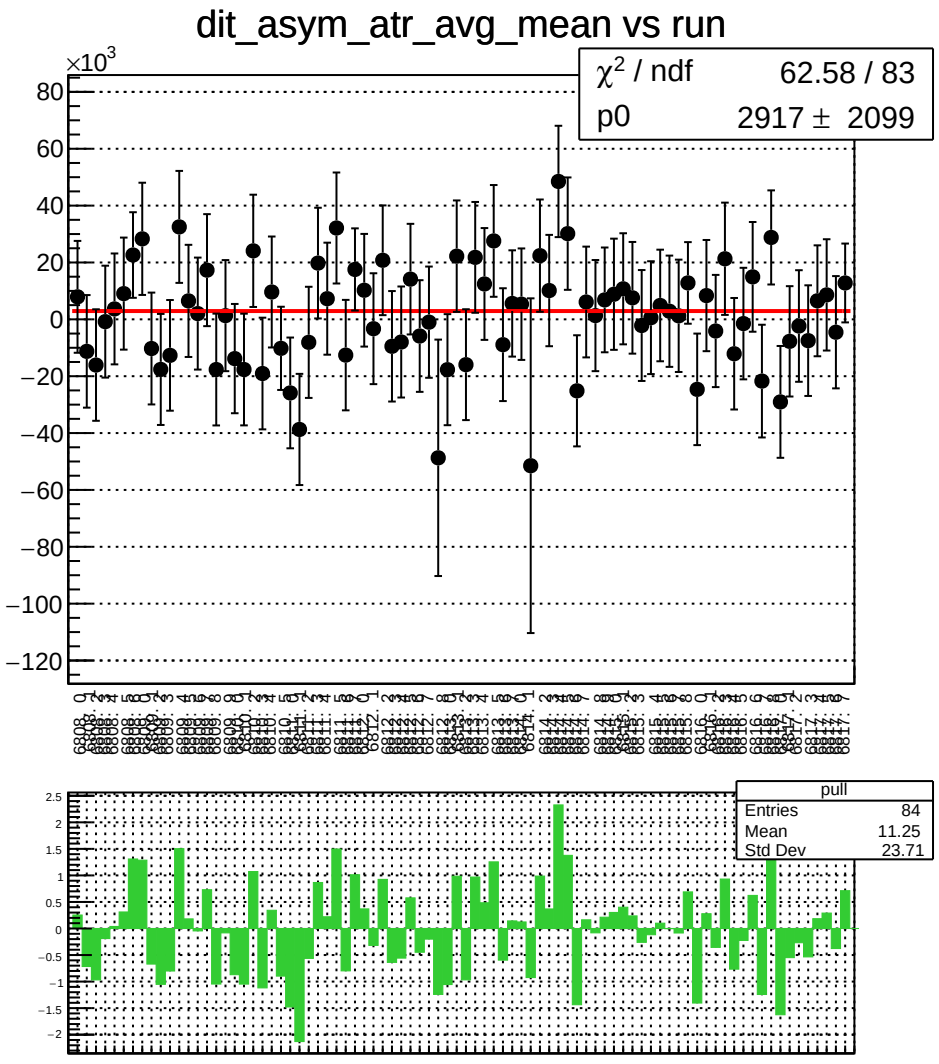

pull1D
Entries 84
Mean −0.006616
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

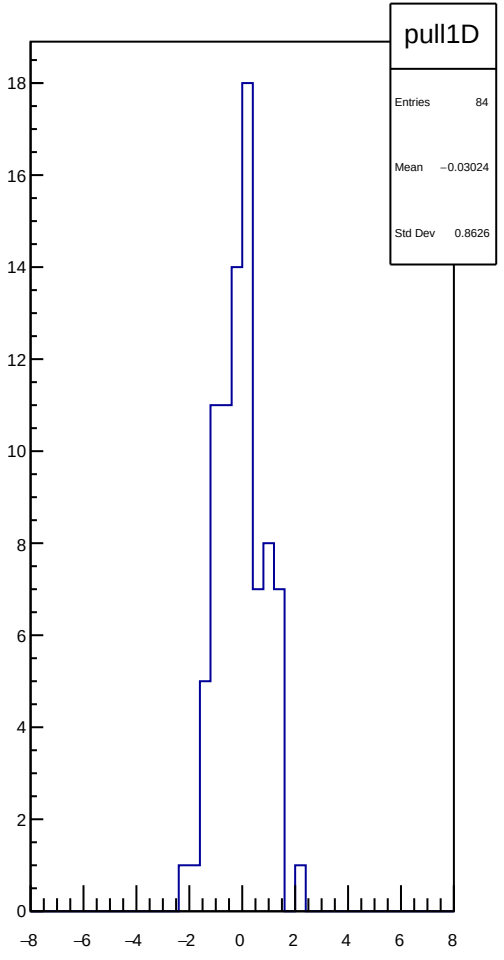

asym_atl_dd_correction_rms vs run
χ² / ndf 2988 / 83
p0 3711 ± 2.931
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300

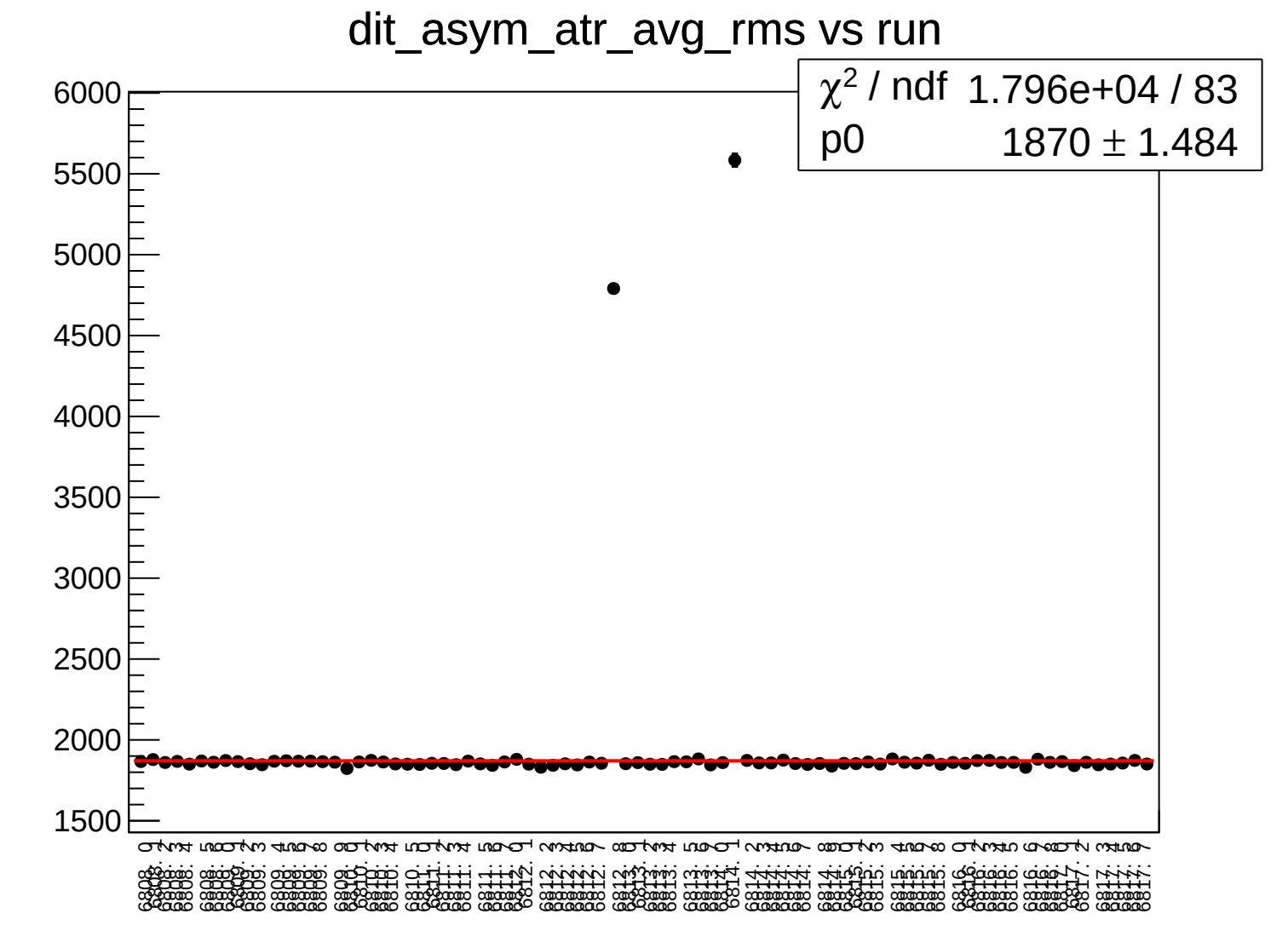

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 92.1 / 83
p0 3940 ± 4599
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean 13.56
Std Dev 137.8
2
1
0
−1
−2
−3

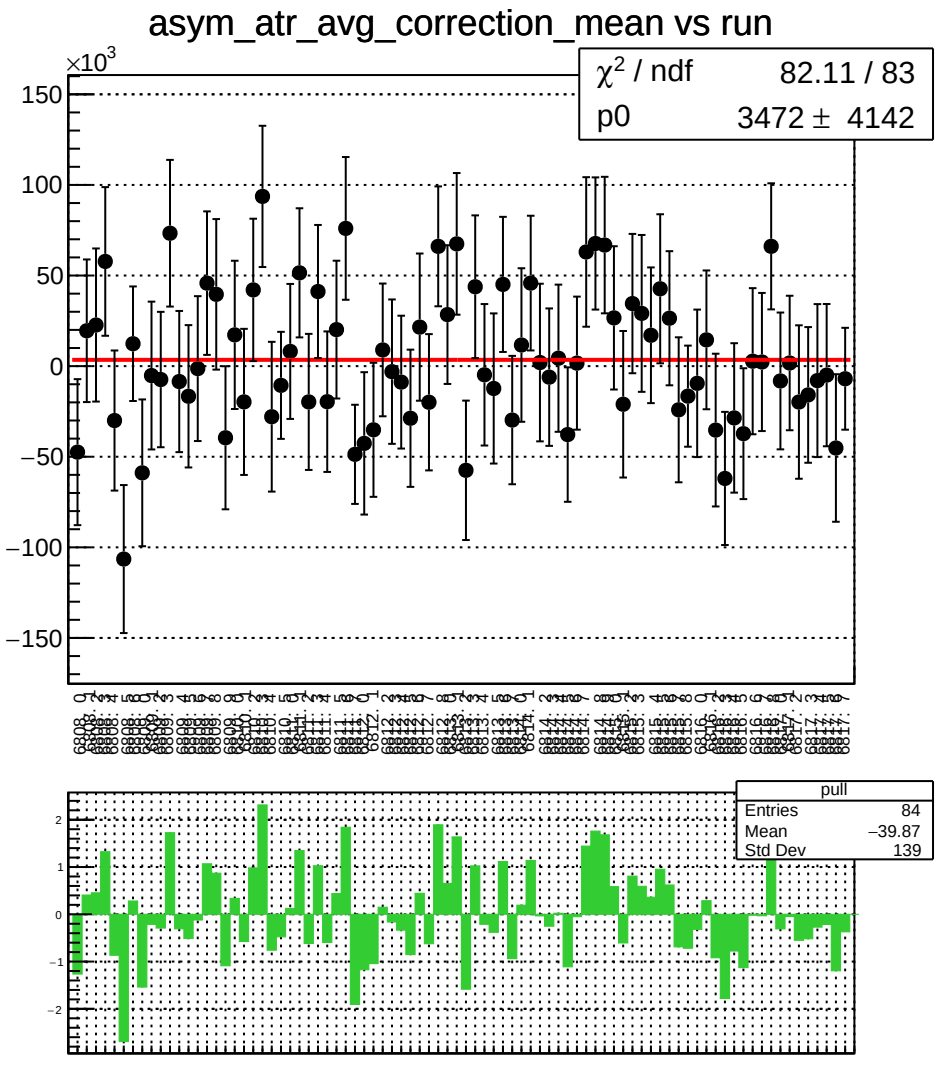

pull1D
Entries 84
Mean 0.007631
Std Dev 1.047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

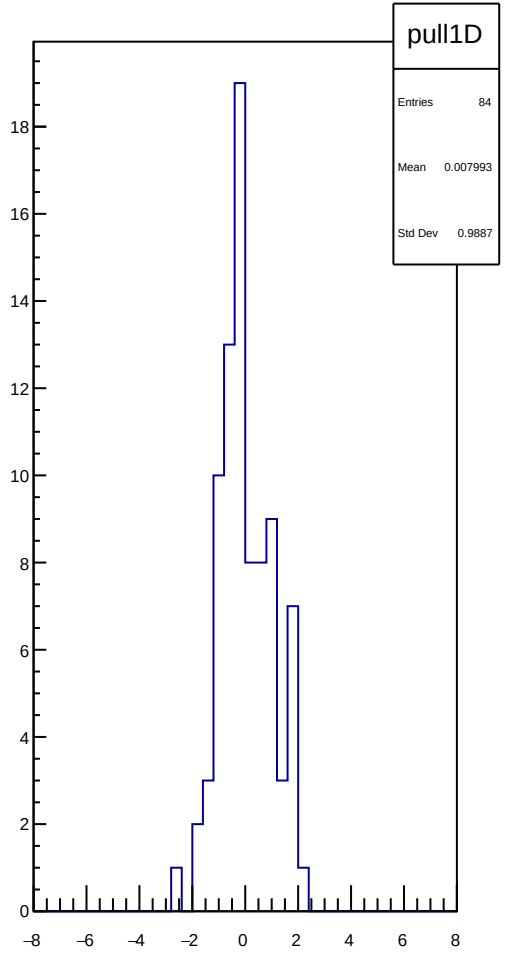

asym_atl_dd_rms vs run
χ^2 / ndf 7157 / 83
p0 4112 ± 3.252
6500
6000
5500
5000
4500
4000
3500

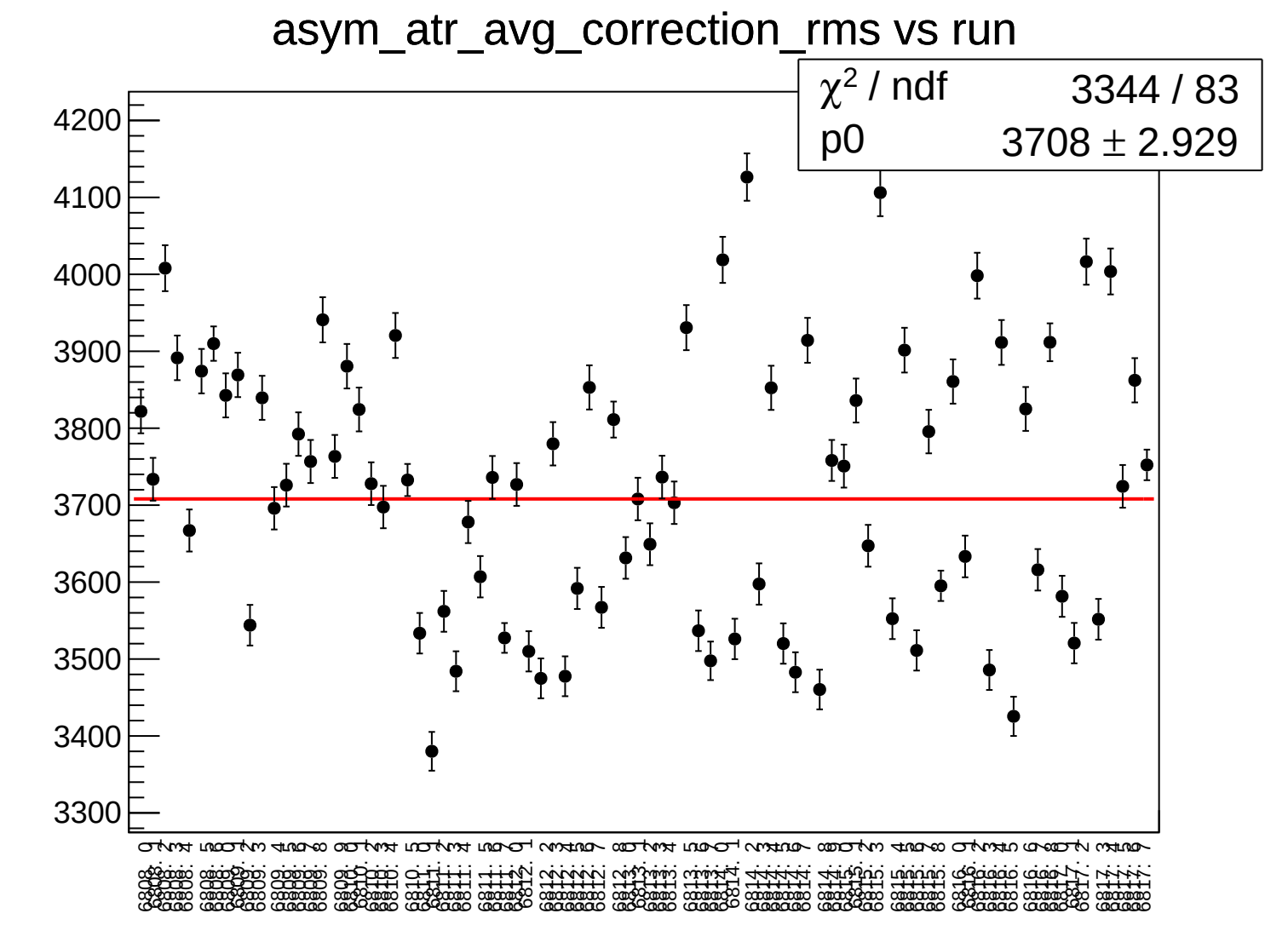

dit_asym_atr_avg_mean vs run
χ² / ndf 62.58 / 83
p0 2917 ± 2099
×10³
pull
Entries 84
Mean 11.25
Std Dev 23.71

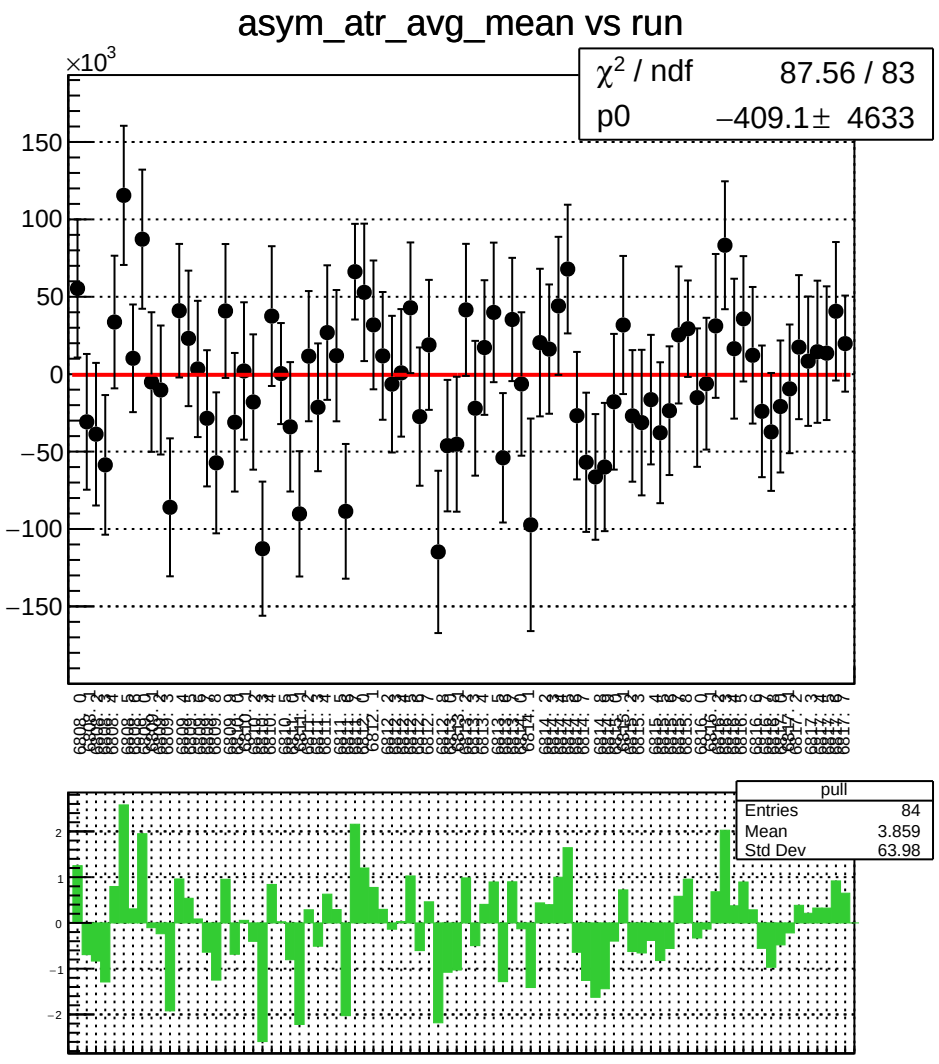

pull1D
Entries 84
Mean −0.03024
Std Dev 0.8626

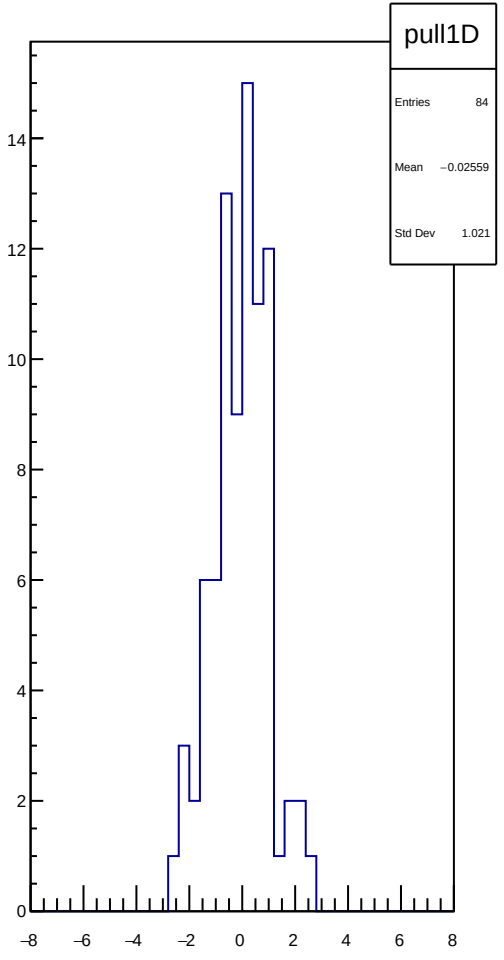

dit_asym_atr_avg_rms vs run
χ^2 / ndf 1.796e+04 / 83
p0 1870 ± 1.484
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

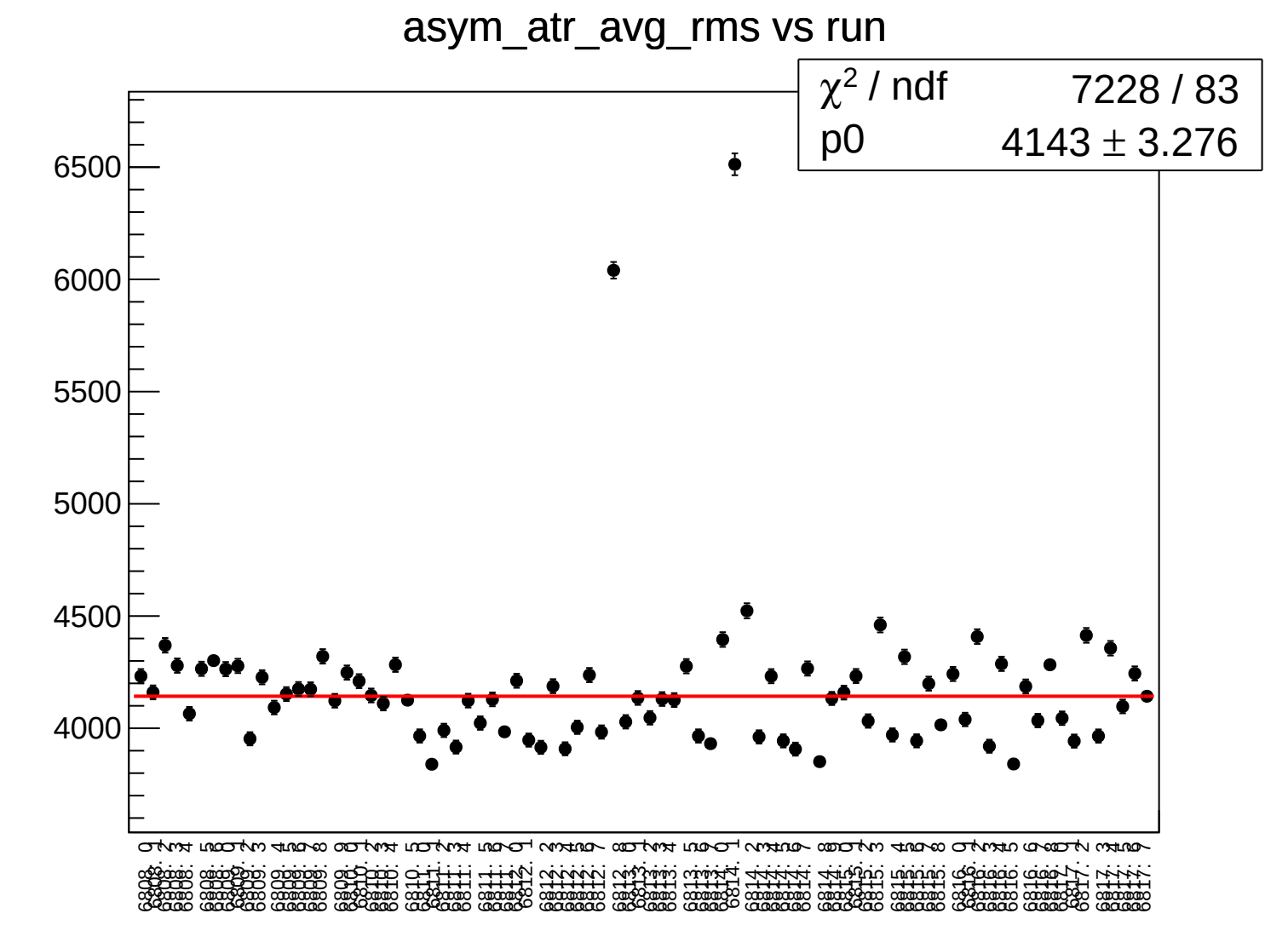

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 82.11 / 83
p0 3472 ± 4142
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −39.87
Std Dev 139
2
1
0
−1
−2

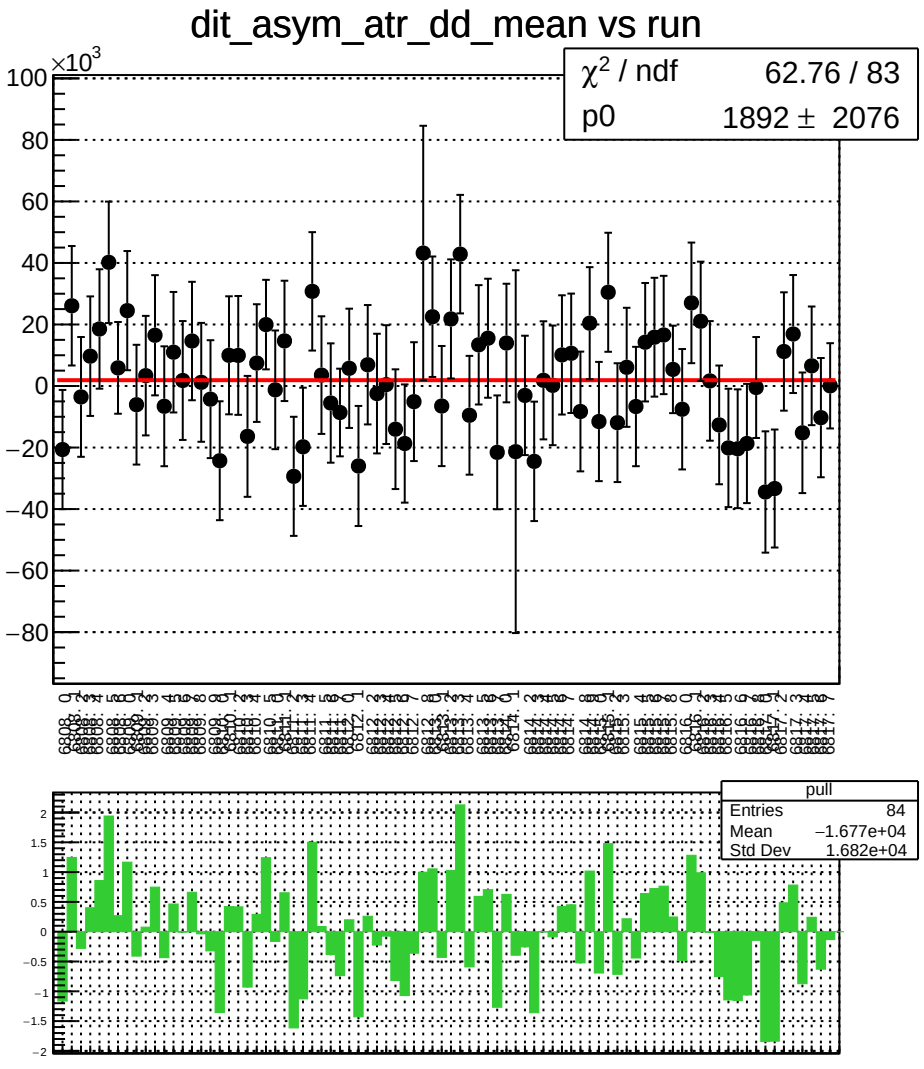

pull1D
Entries 84
Mean 0.007993
Std Dev 0.9887
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

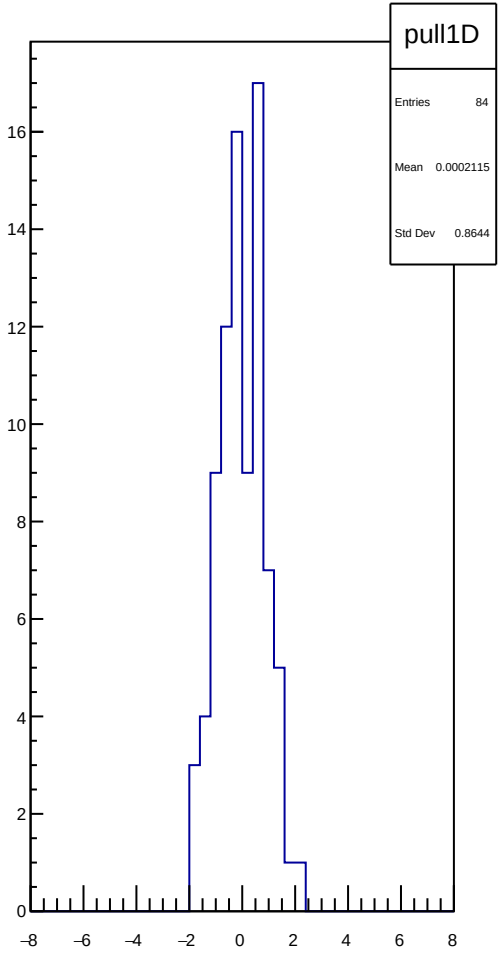

asym_atr_avg_correction_rms vs run
χ² / ndf 3344 / 83
p0 3708 ± 2.929
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300

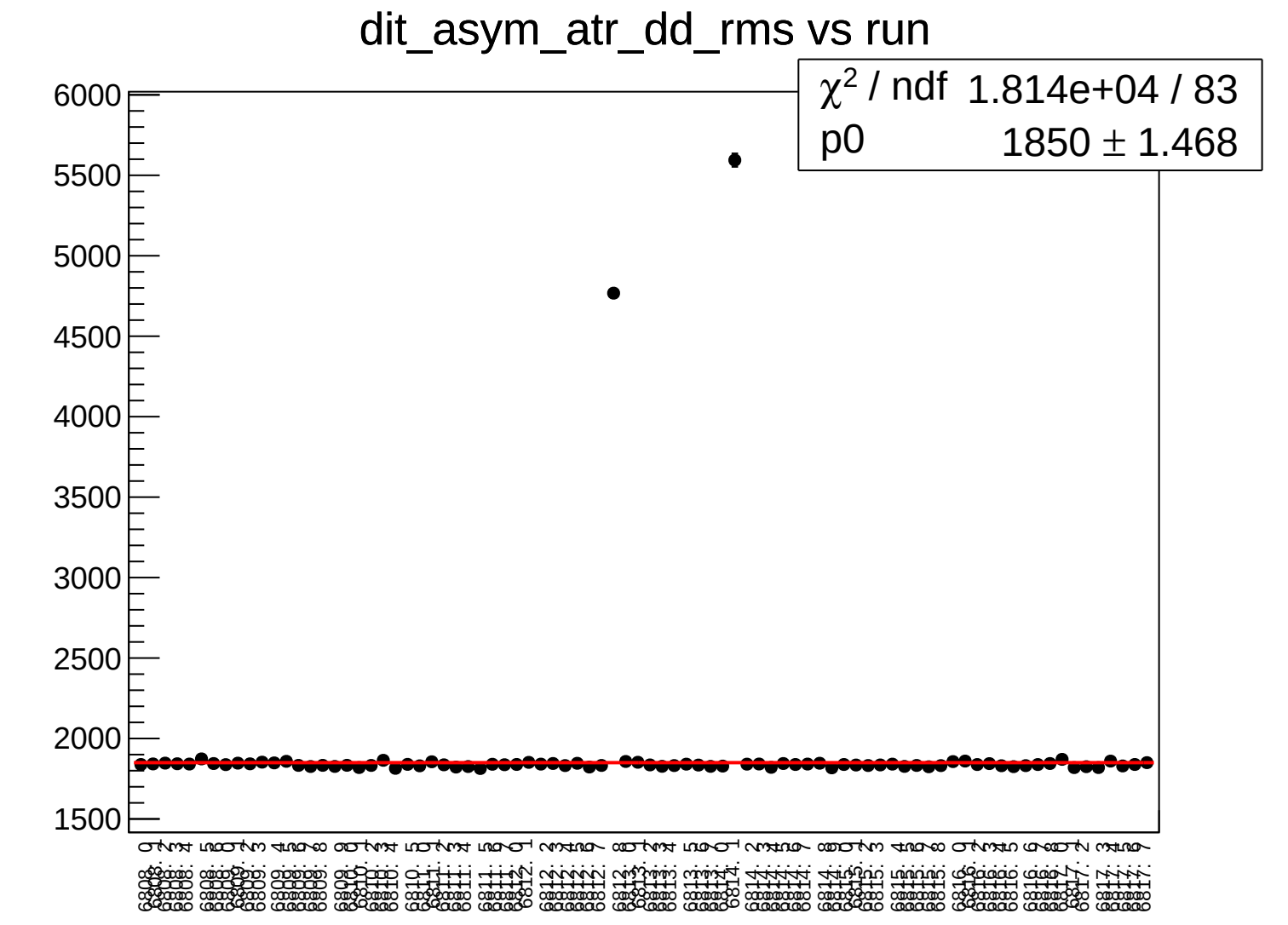

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 87.56 / 83
p0 −409.1± 4633
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean 3.859
Std Dev 63.98
2
1
0
−1
−2

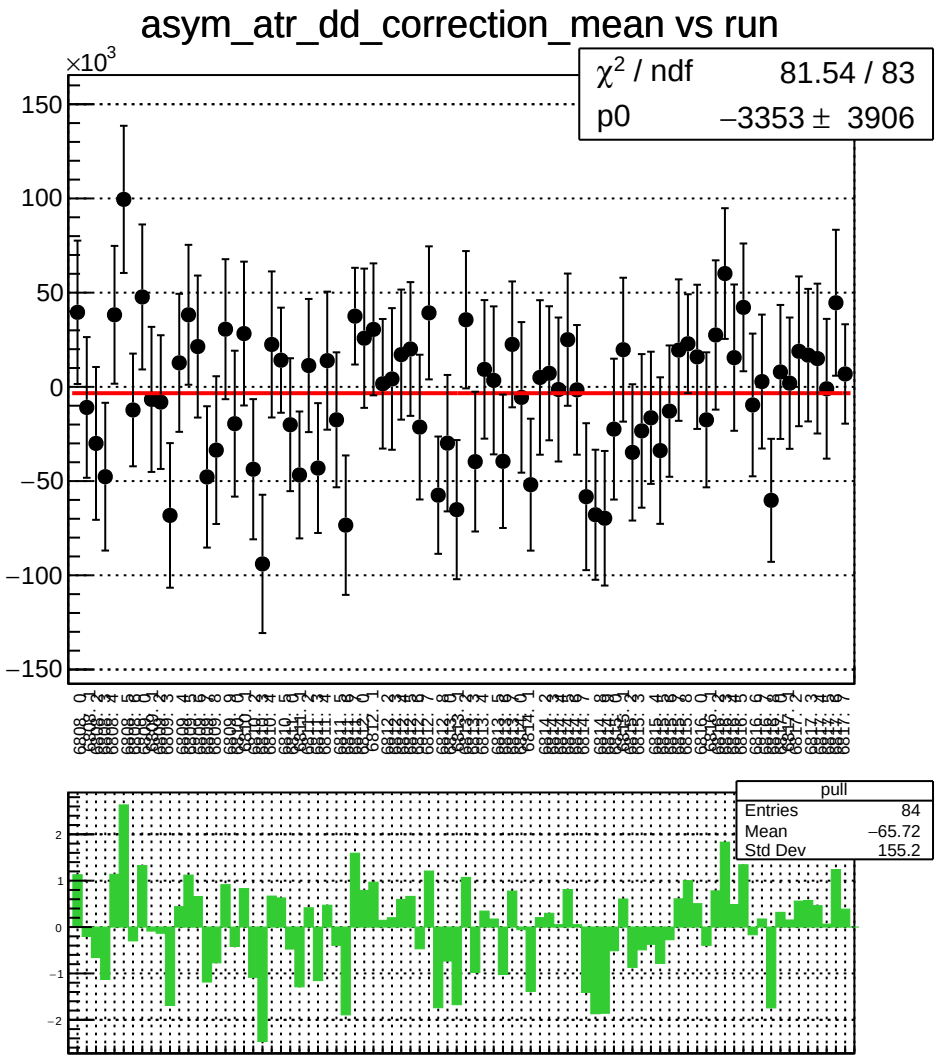

pull1D
Entries 84
Mean −0.02559
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

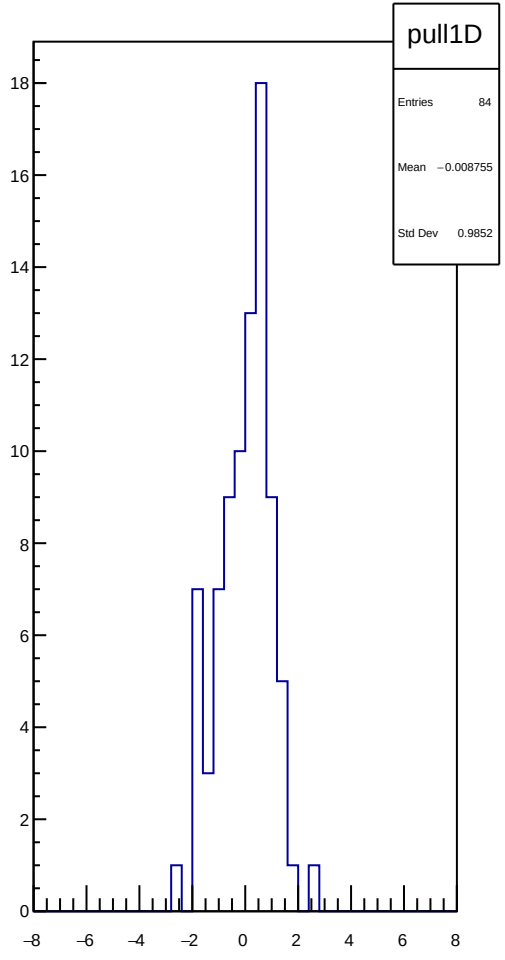

asym_atr_avg_rms vs run
χ² / ndf 7228 / 83
p0 4143 ± 3.276
6500
6000
5500
5000
4500
4000

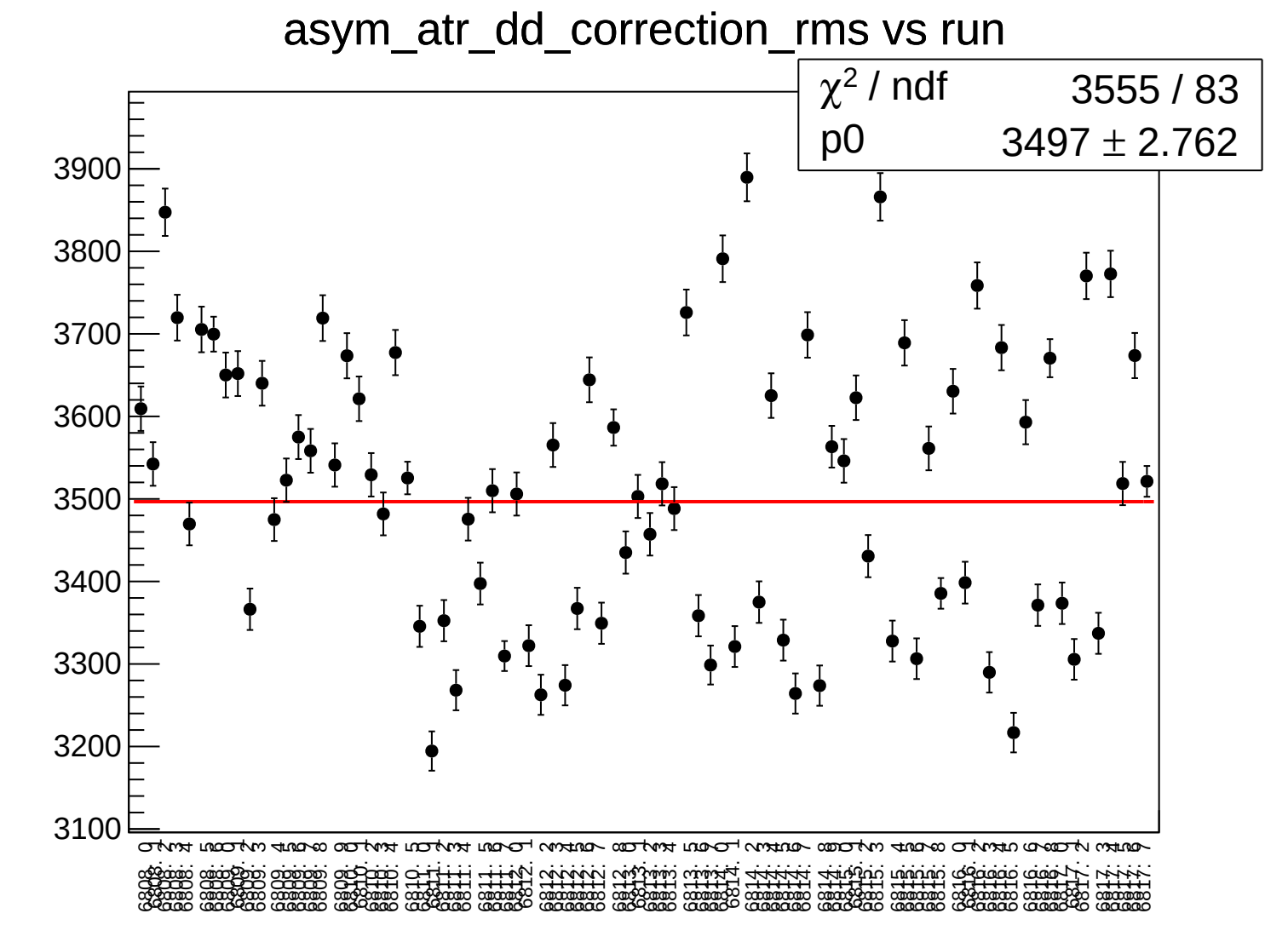

dit_asym_atr_dd_mean vs run
χ^2 / ndf 62.76 / 83
p0 1892 ± 2076
×10^3
pull
Entries 84
Mean −1.677e+04
Std Dev 1.682e+04

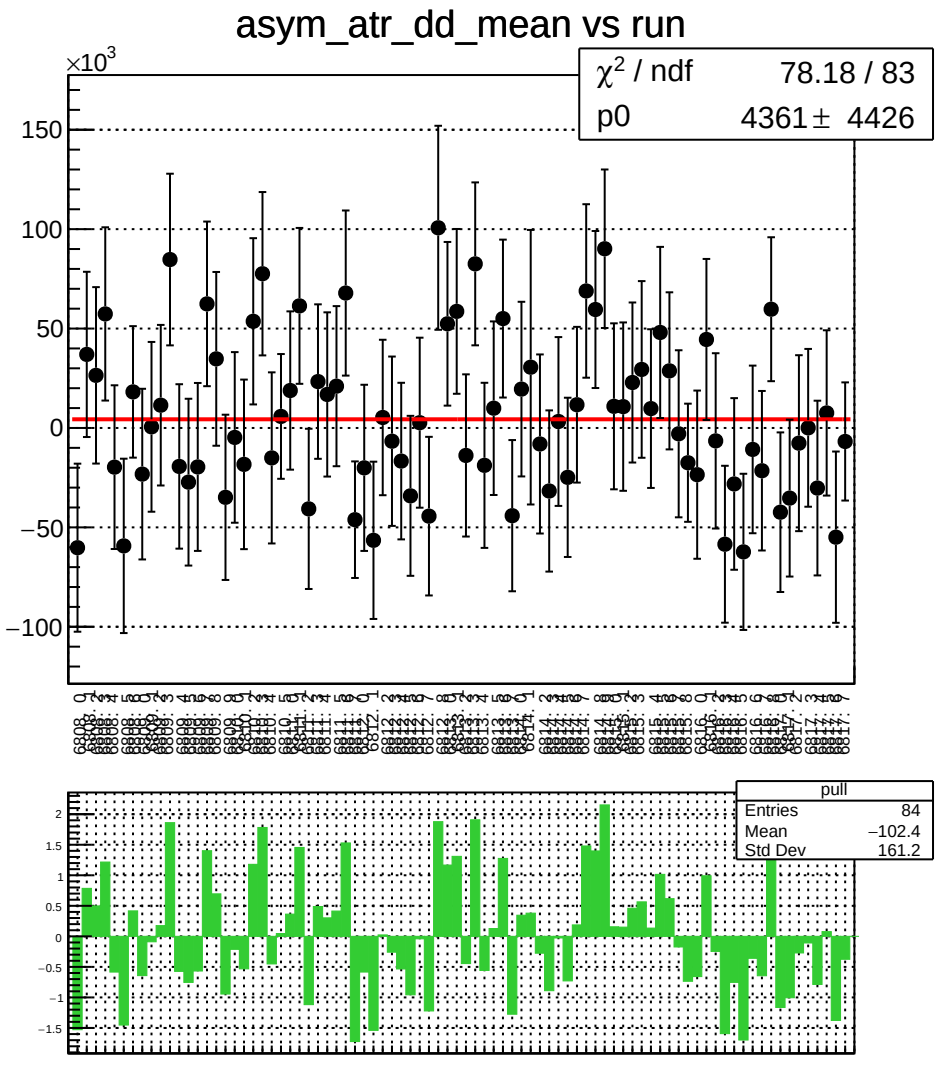

pull1D
Entries 84
Mean 0.0002115
Std Dev 0.8644

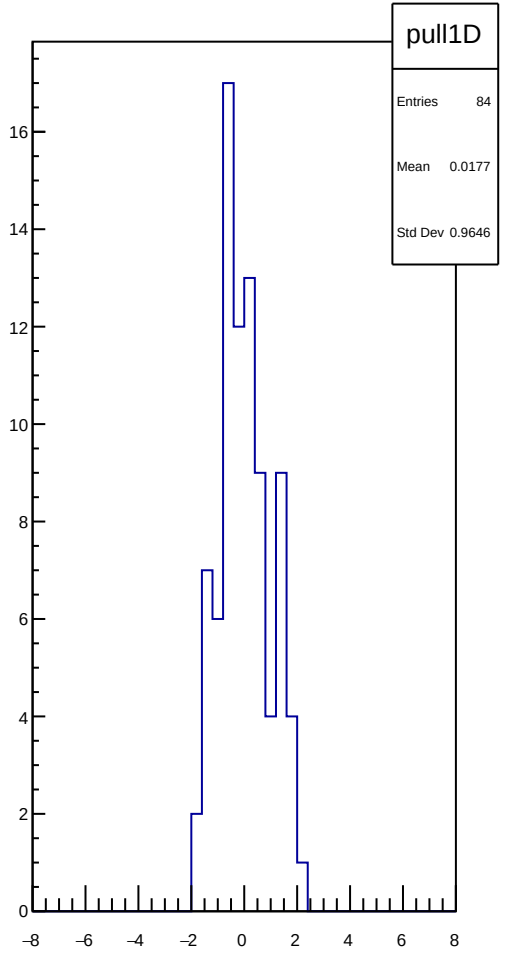

dit_asym_atr_dd_rms vs run
χ² / ndf 1.814e+04 / 83
p0 1850 ± 1.468
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

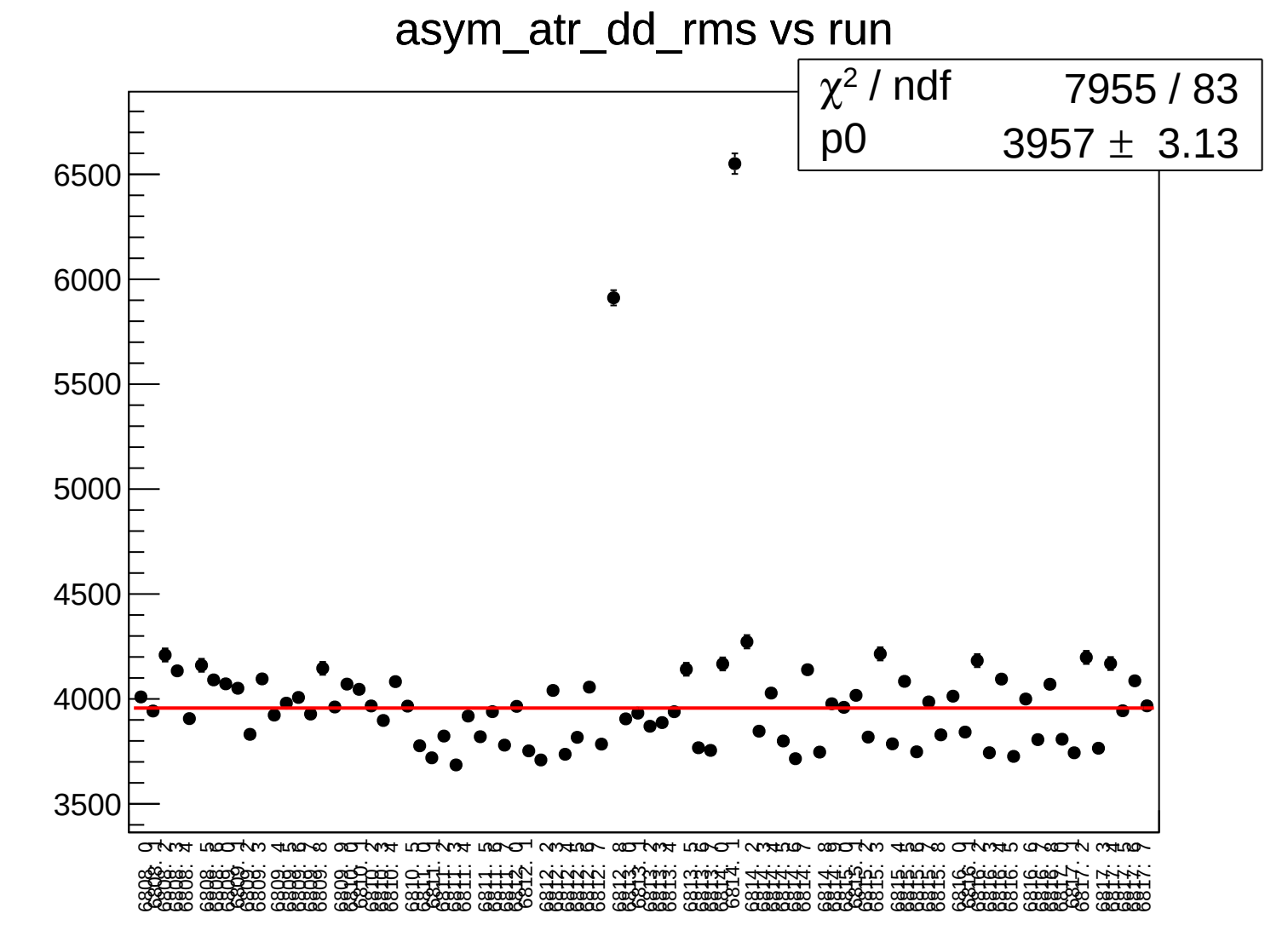

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 81.54 / 83
p0 −3353 ± 3906
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −65.72
Std Dev 155.2
2
1
0
−1
−2

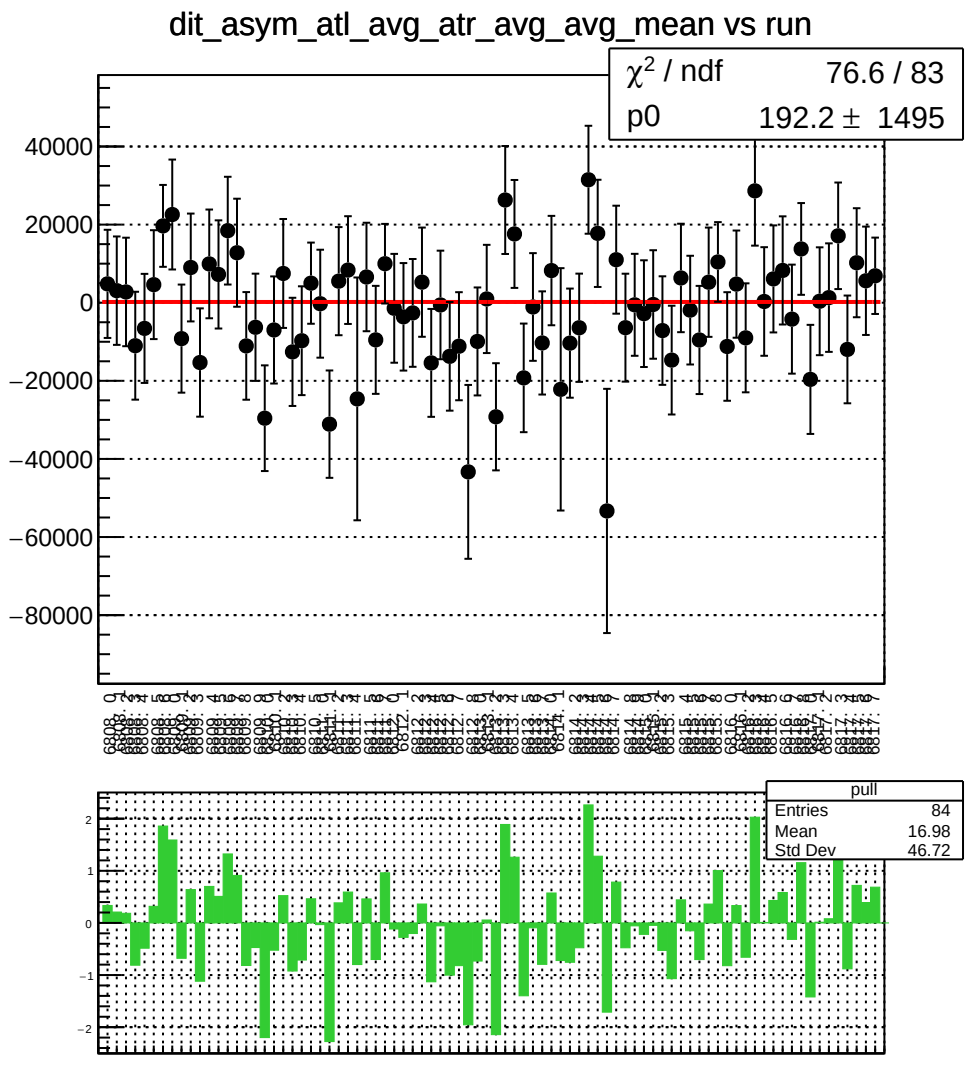

pull1D
Entries 84
Mean −0.008755
Std Dev 0.9852
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

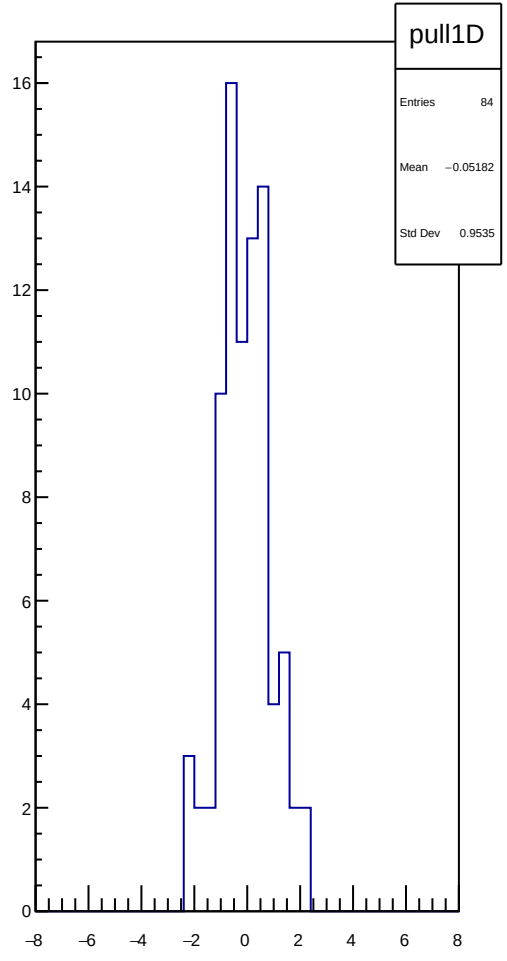

asym_atr_dd_correction_rms vs run
χ² / ndf 3555 / 83
p0 3497 ± 2.762
3900
3800
3700
3600
3500
3400
3300
3200
3100

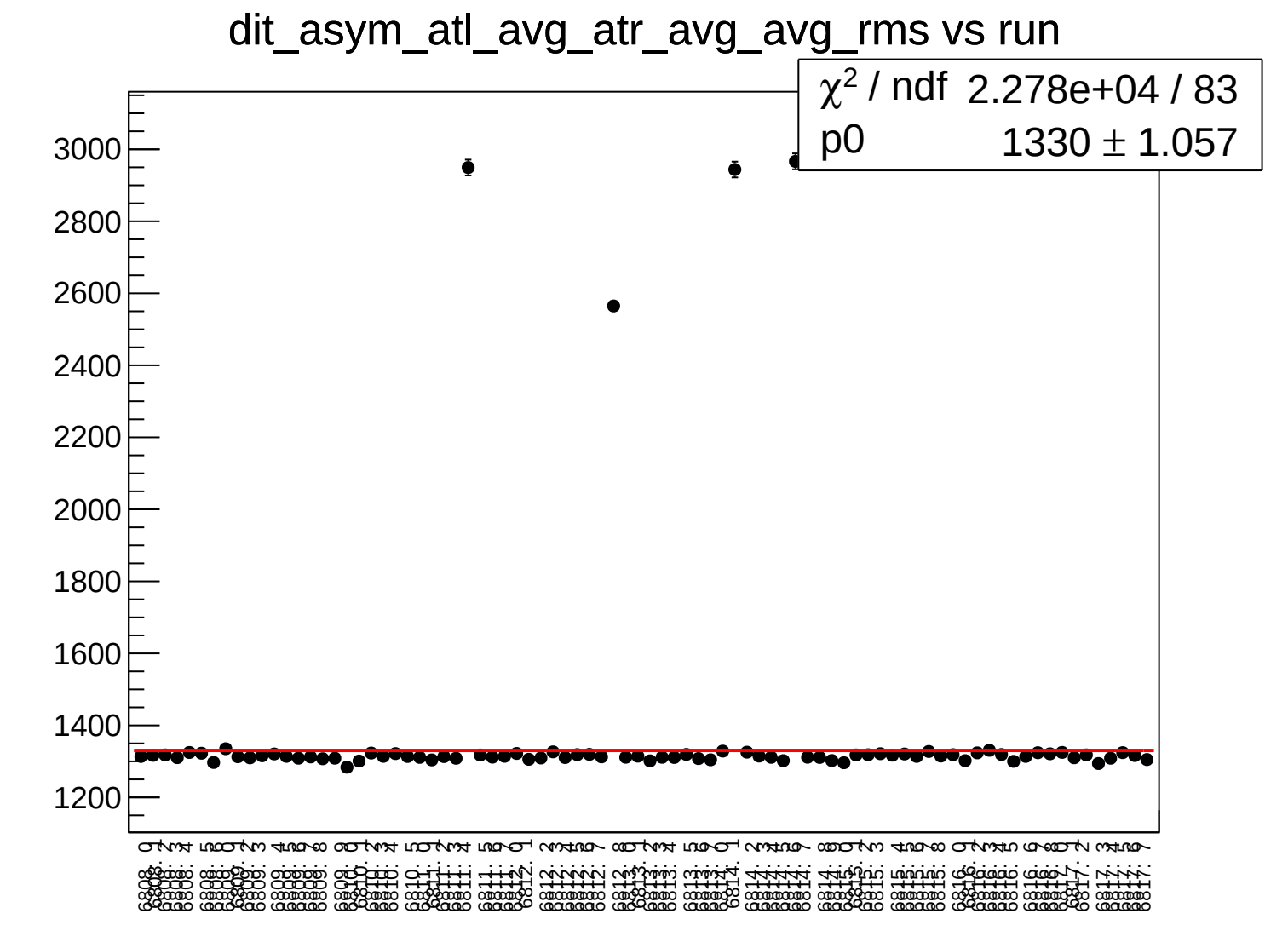

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 78.18 / 83
p0 4361 ± 4426
150
100
50
0
−50
−100
pull
Entries 84
Mean −102.4
Std Dev 161.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

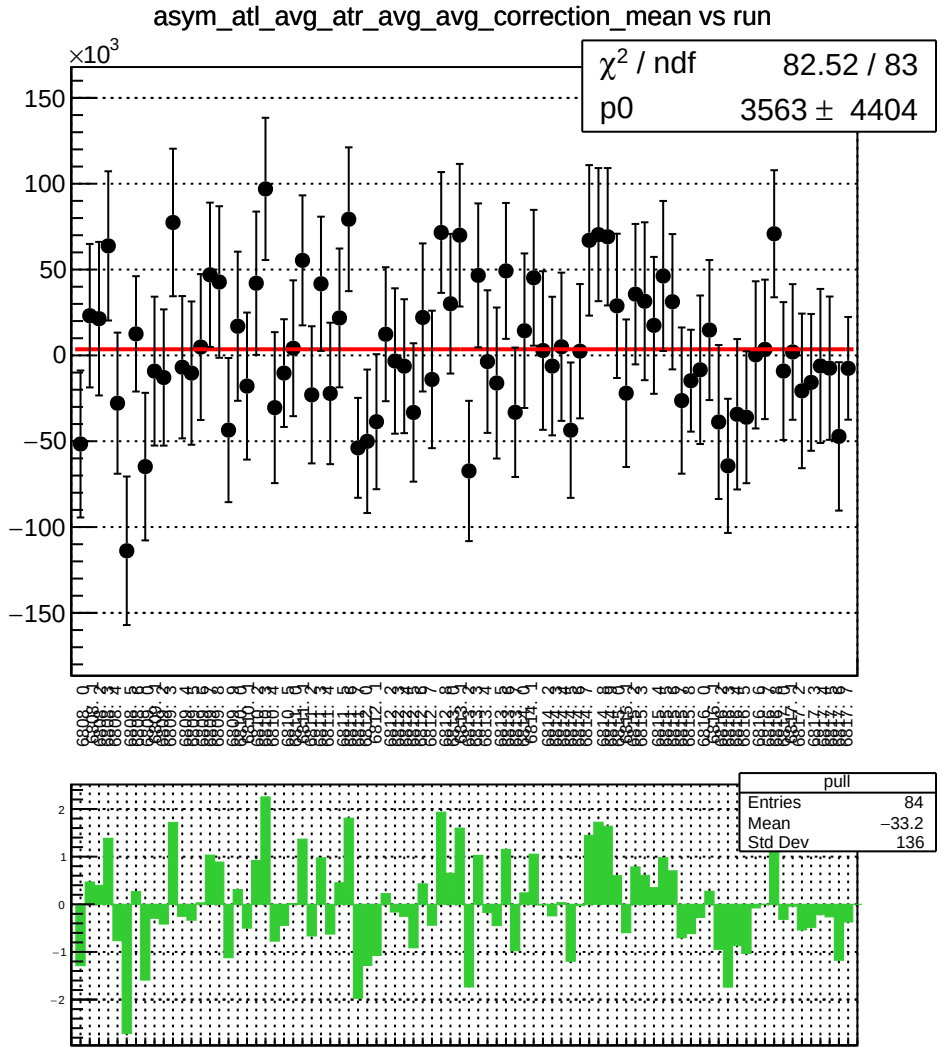

pull1D
Entries 84
Mean 0.0177
Std Dev 0.9646
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

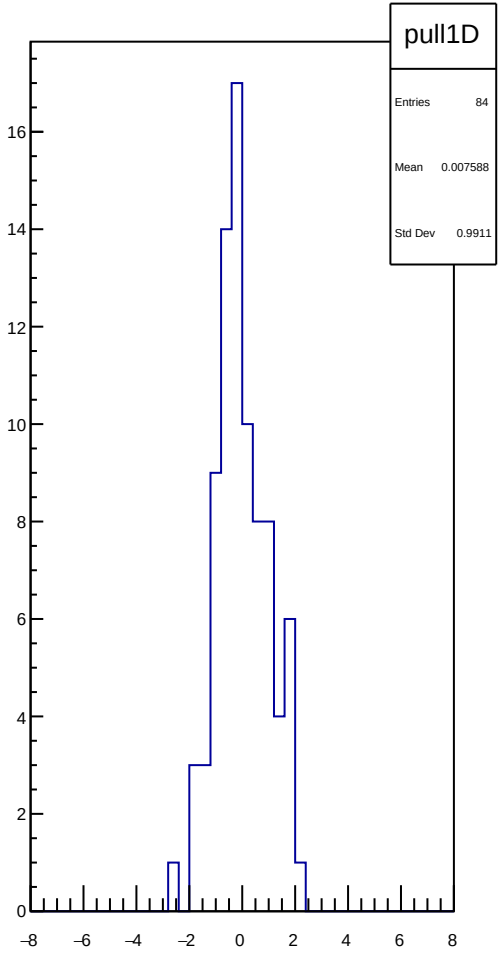

asym_atr_dd_rms vs run
χ^2 / ndf 7955 / 83
p0 3957 ± 3.13
6500
6000
5500
5000
4500
4000
3500

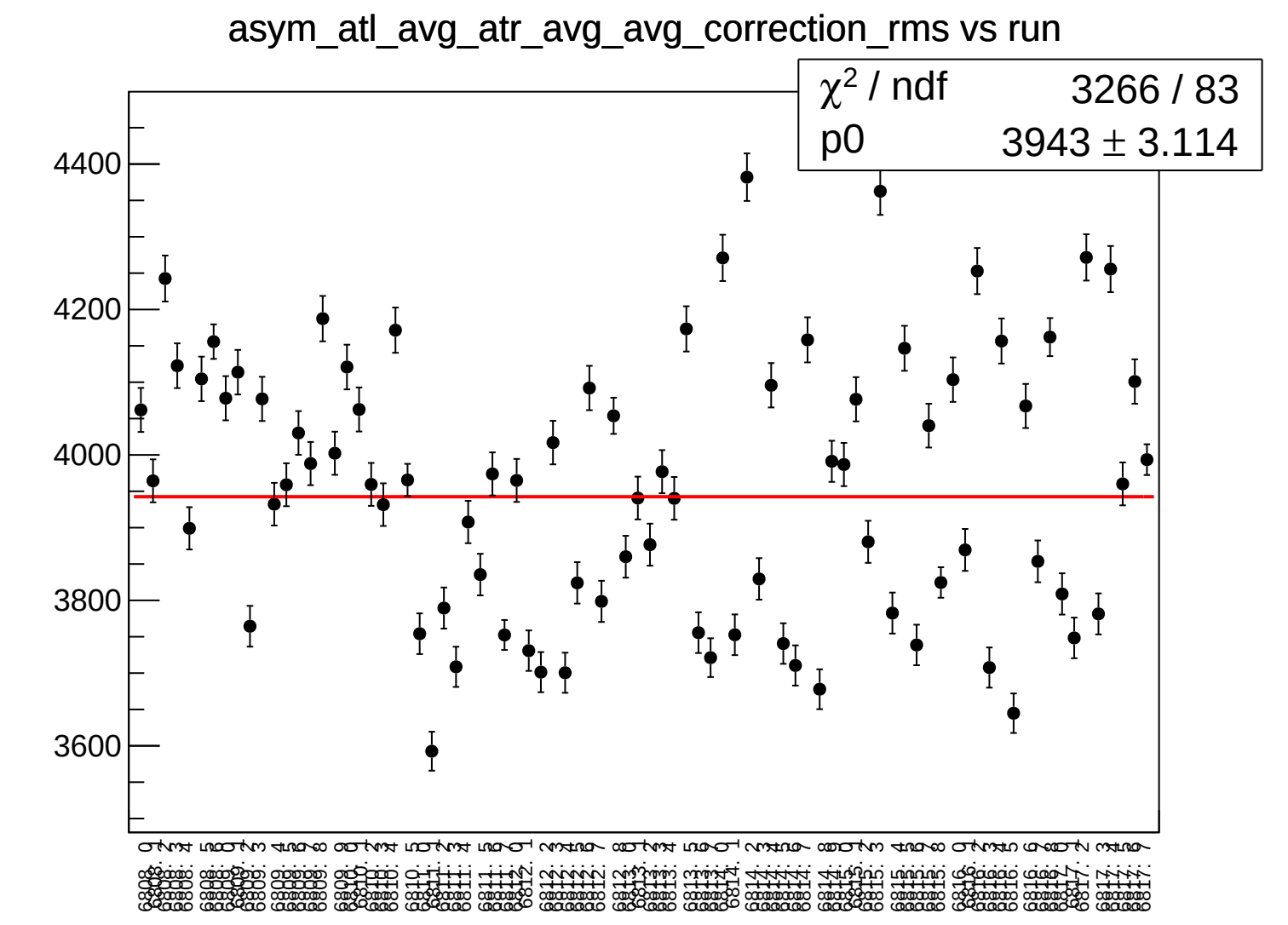

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 76.6 / 83
p0 192.2 ± 1495
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean 16.98
Std Dev 46.72
2
1
0
−1
−2

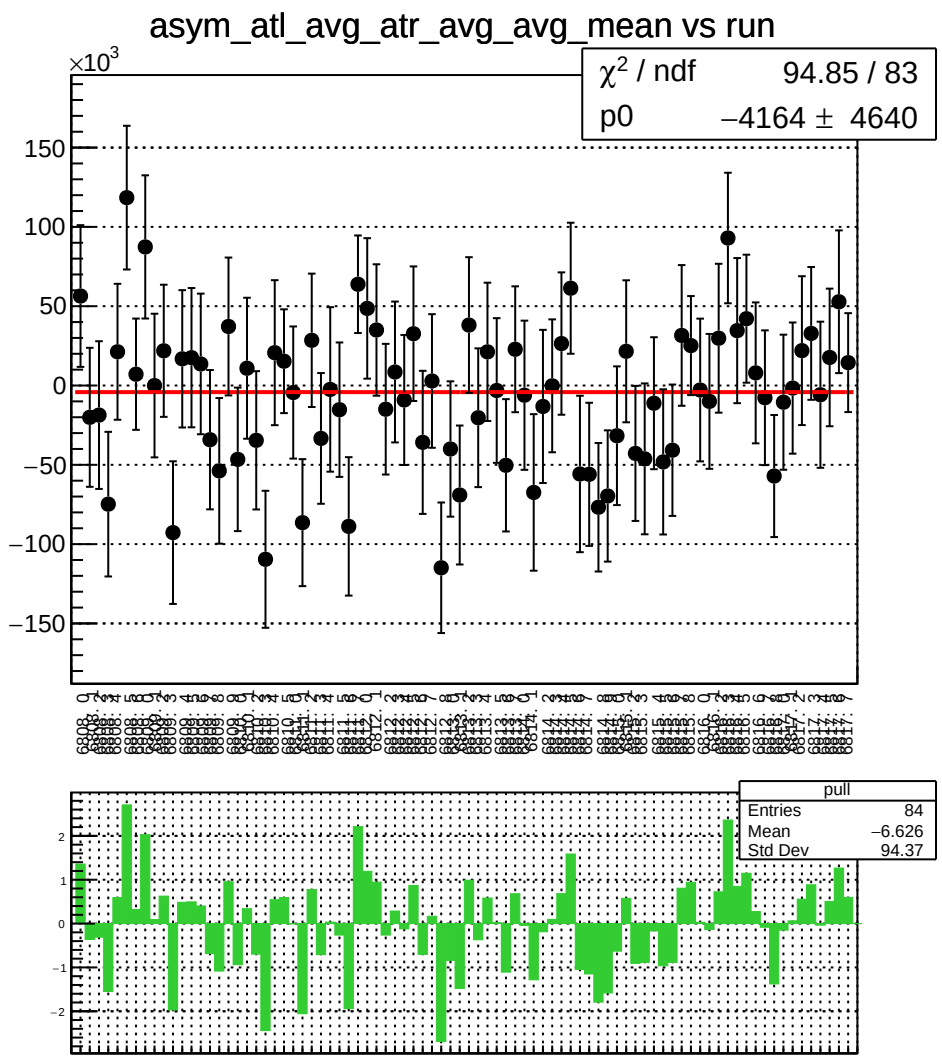

pull1D
Entries 84
Mean −0.05182
Std Dev 0.9535
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

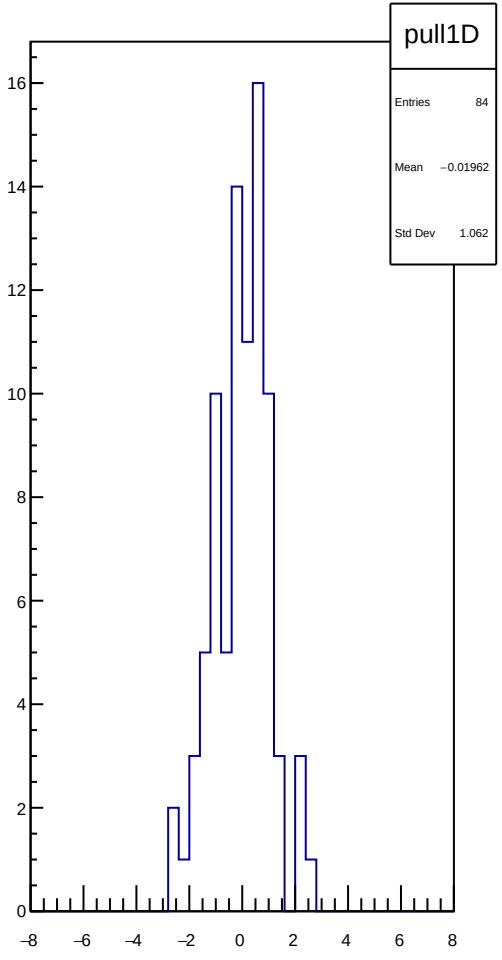

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.278e+04 / 83
p0 1330 ± 1.057
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

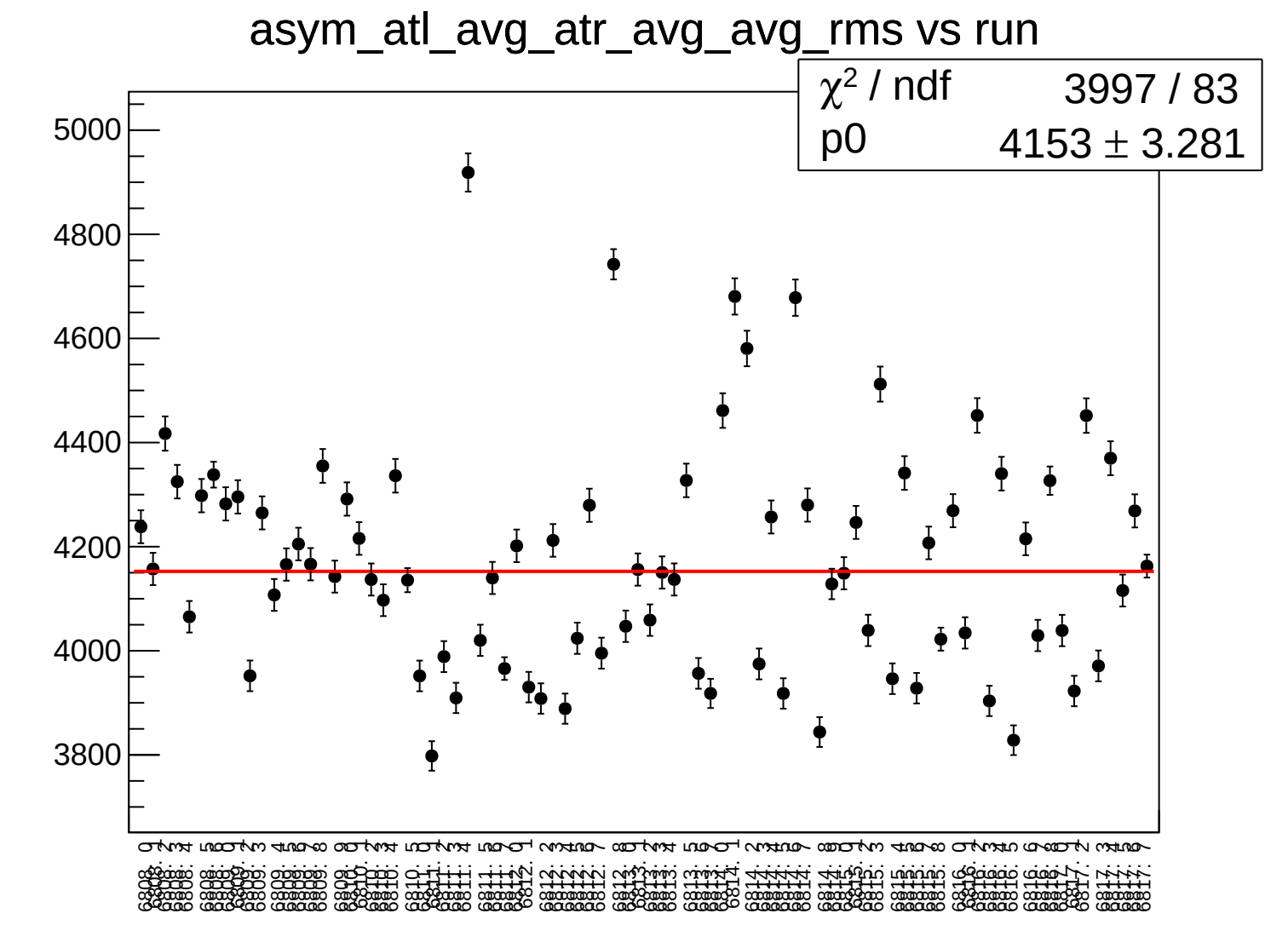

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 82.52 / 83
p0 3563 ± 4404
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −33.2
Std Dev 136
2
1
0
−1
−2

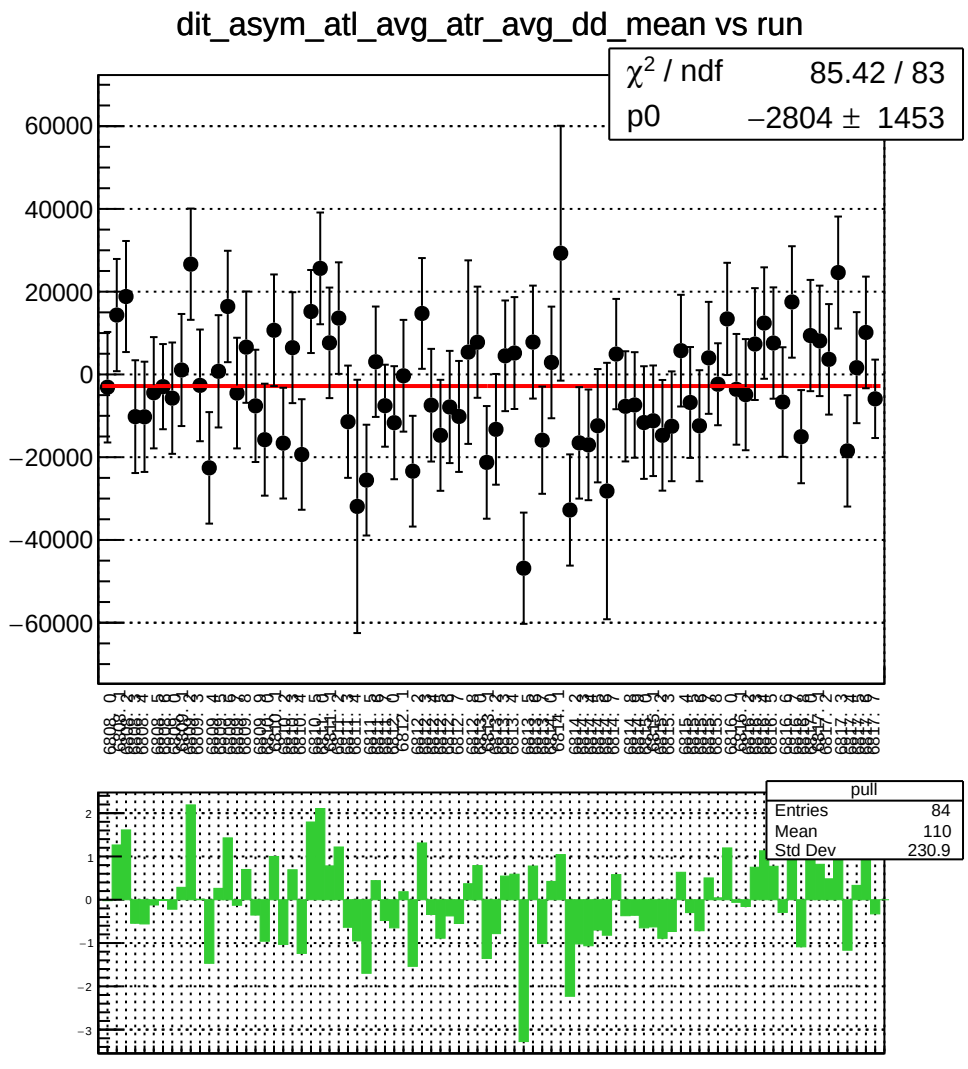

pull1D
Entries 84
Mean 0.007588
Std Dev 0.9911
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

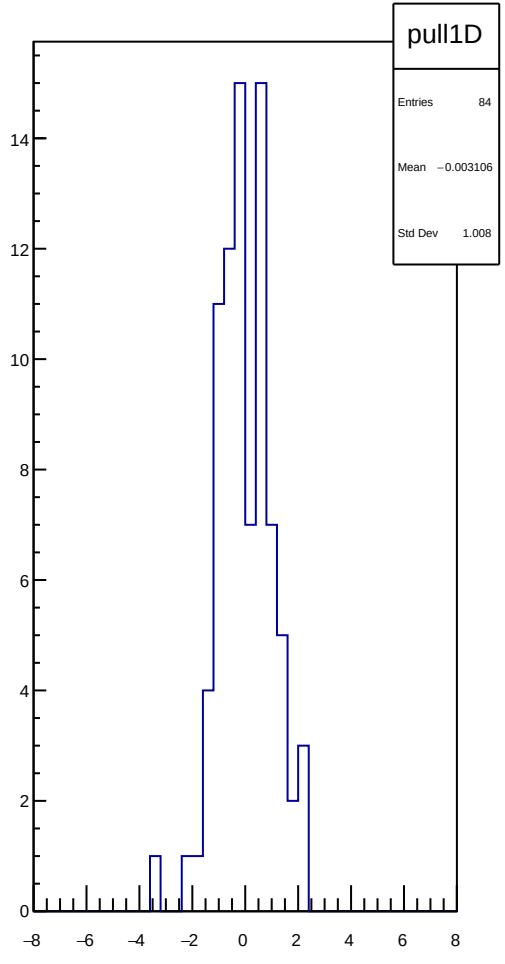

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3266 / 83
p0 3943 ± 3.114
4400
4200
4000
3800
3600

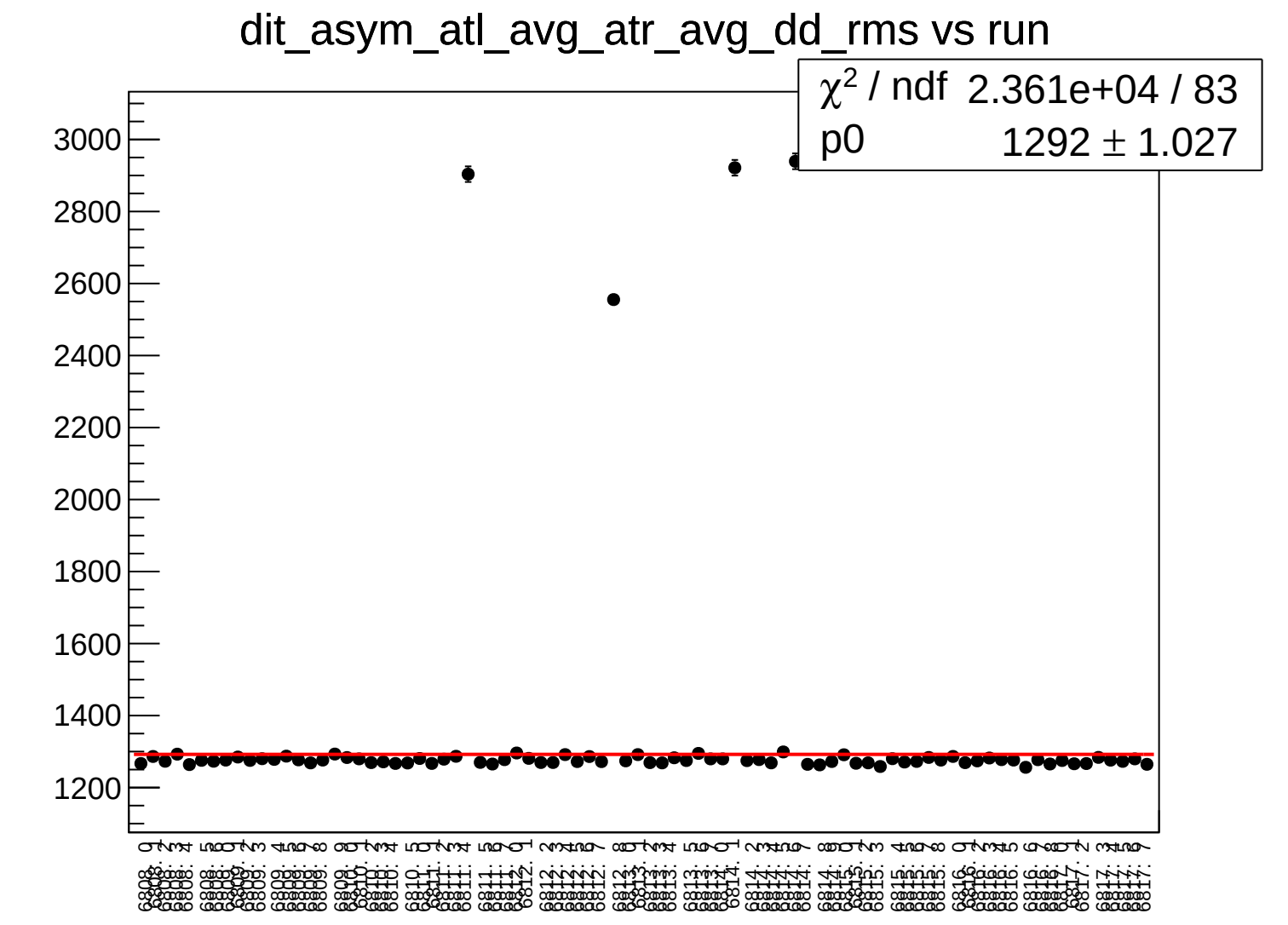

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 94.85 / 83
p0 −4164 ± 4640
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −6.626
Std Dev 94.37
2
1
0
−1
−2

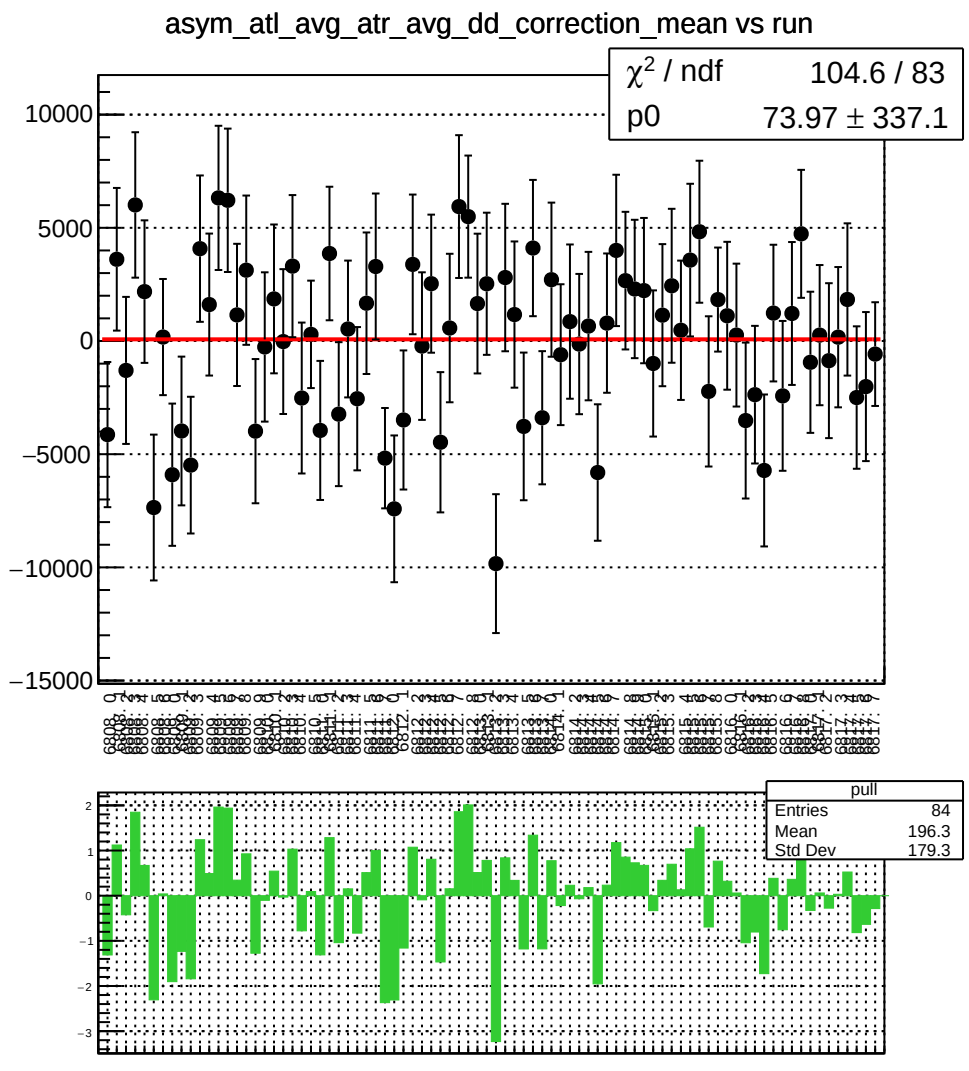

pull1D
Entries 84
Mean −0.01962
Std Dev 1.062
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

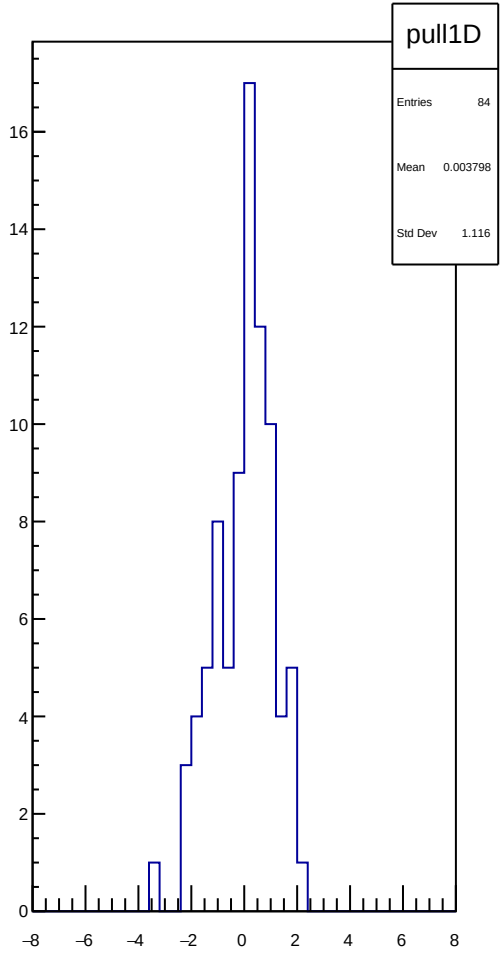

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3997 / 83
p0 4153 ± 3.281
5000
4800
4600
4400
4200
4000
3800

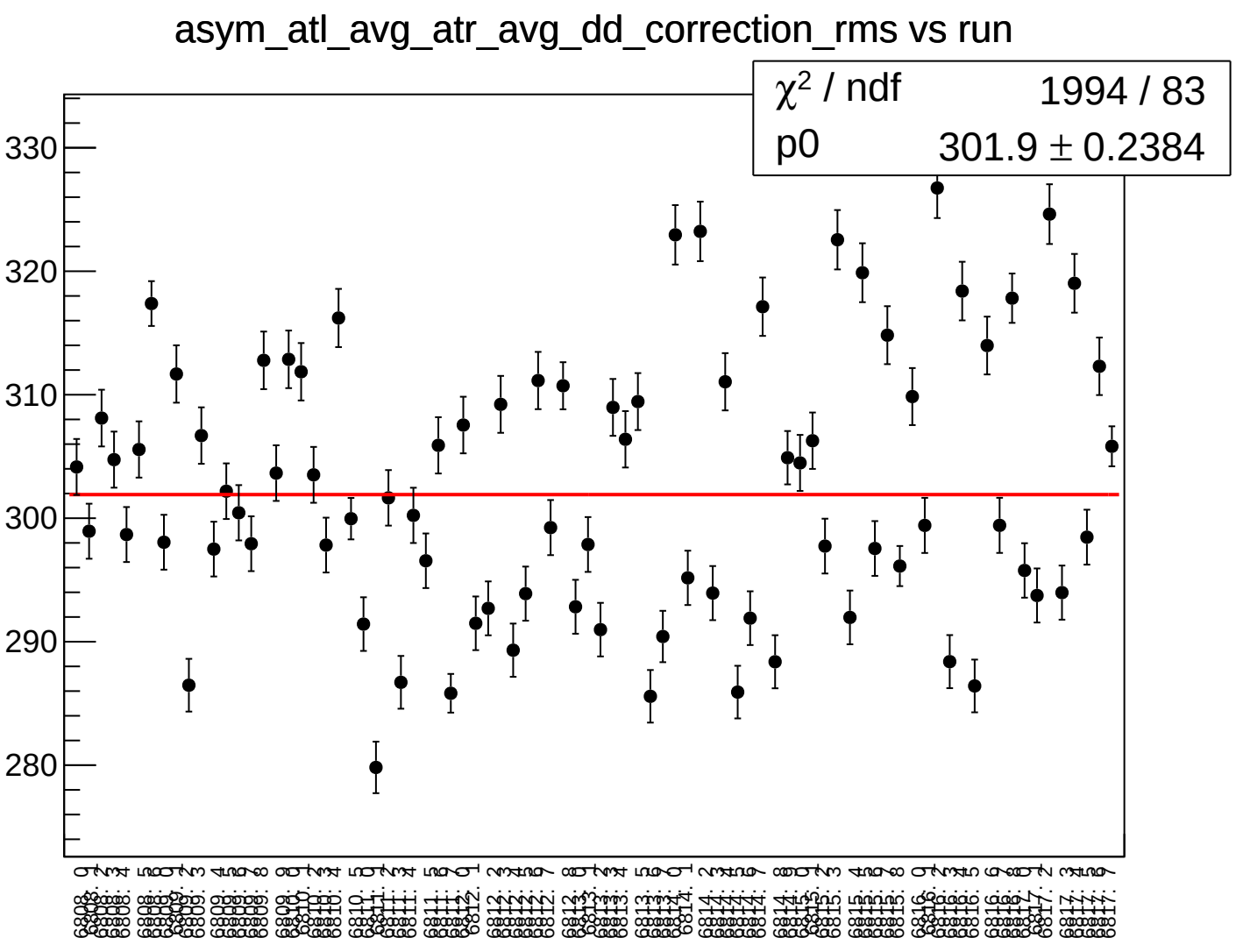

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.42 / 83
p0 −2804 ± 1453
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 110
Std Dev 230.9
2
1
0
−1
−2
−3

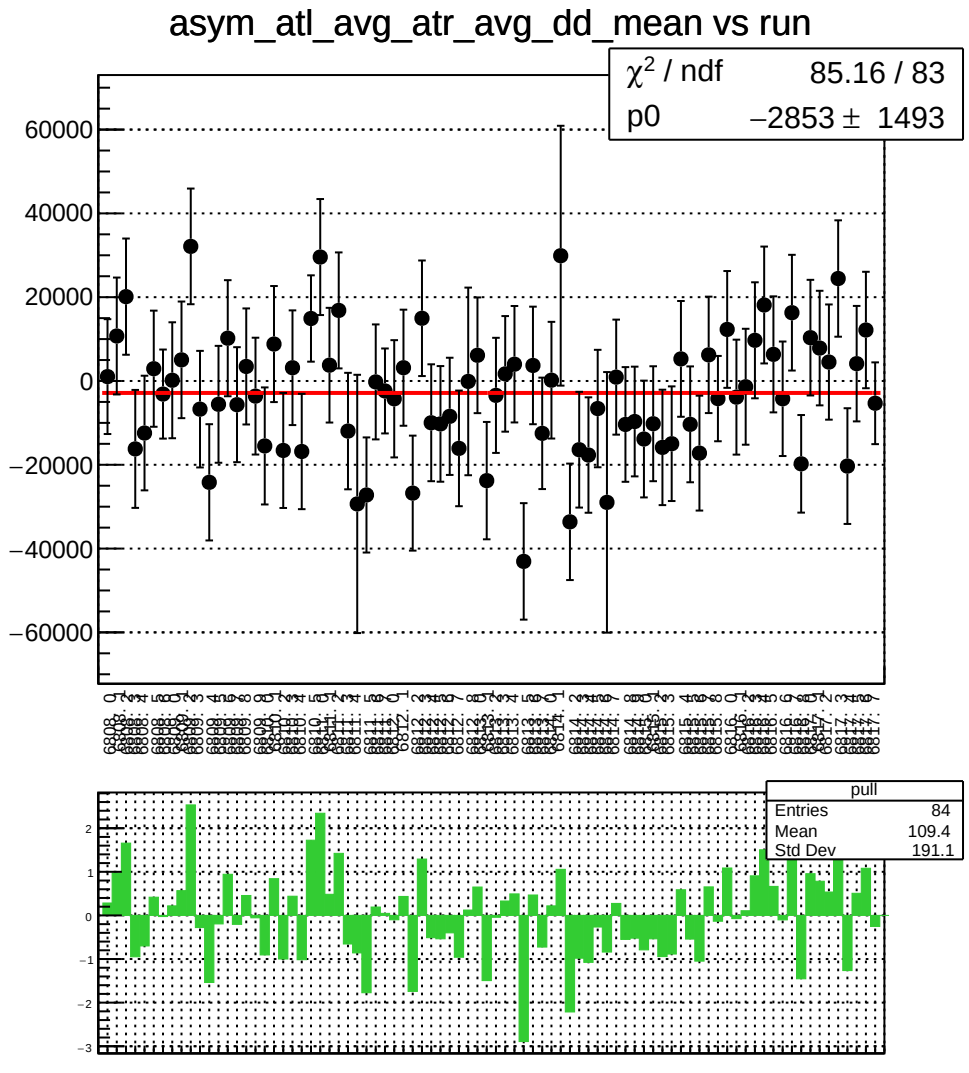

pull1D
Entries 84
Mean −0.003106
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

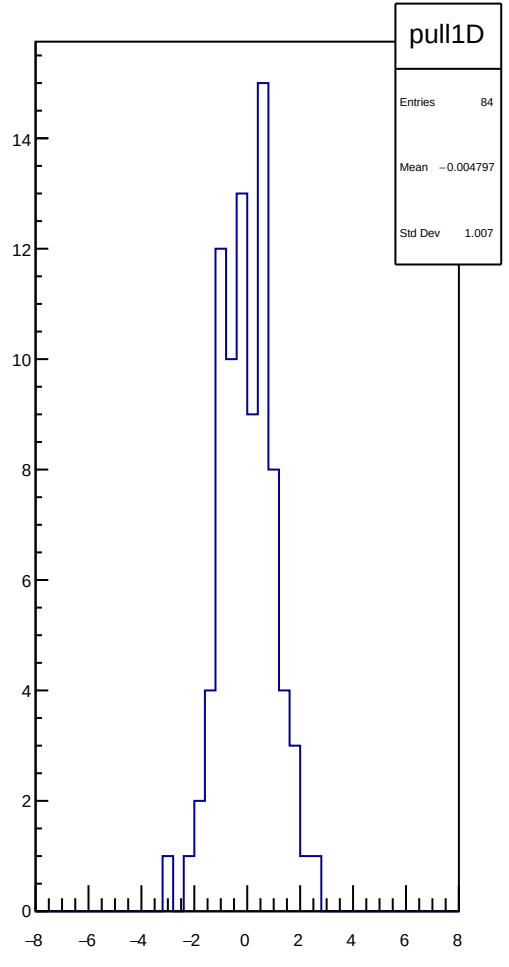

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.361e+04 / 83
p0 1292 ± 1.027
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

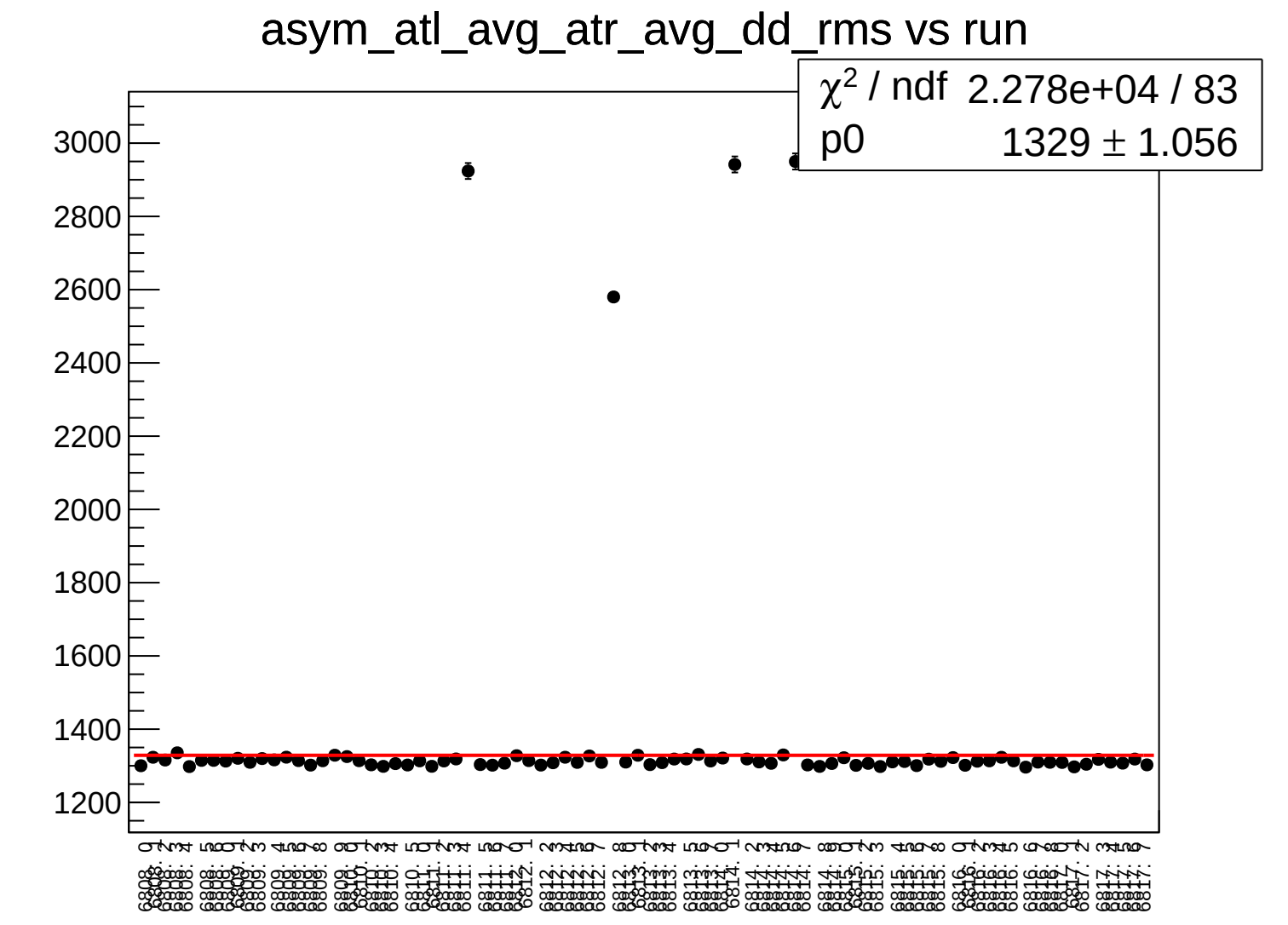

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 104.6 / 83
p0 73.97 ± 337.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 196.3
Std Dev 179.3
2
1
0
−1
−2
−3

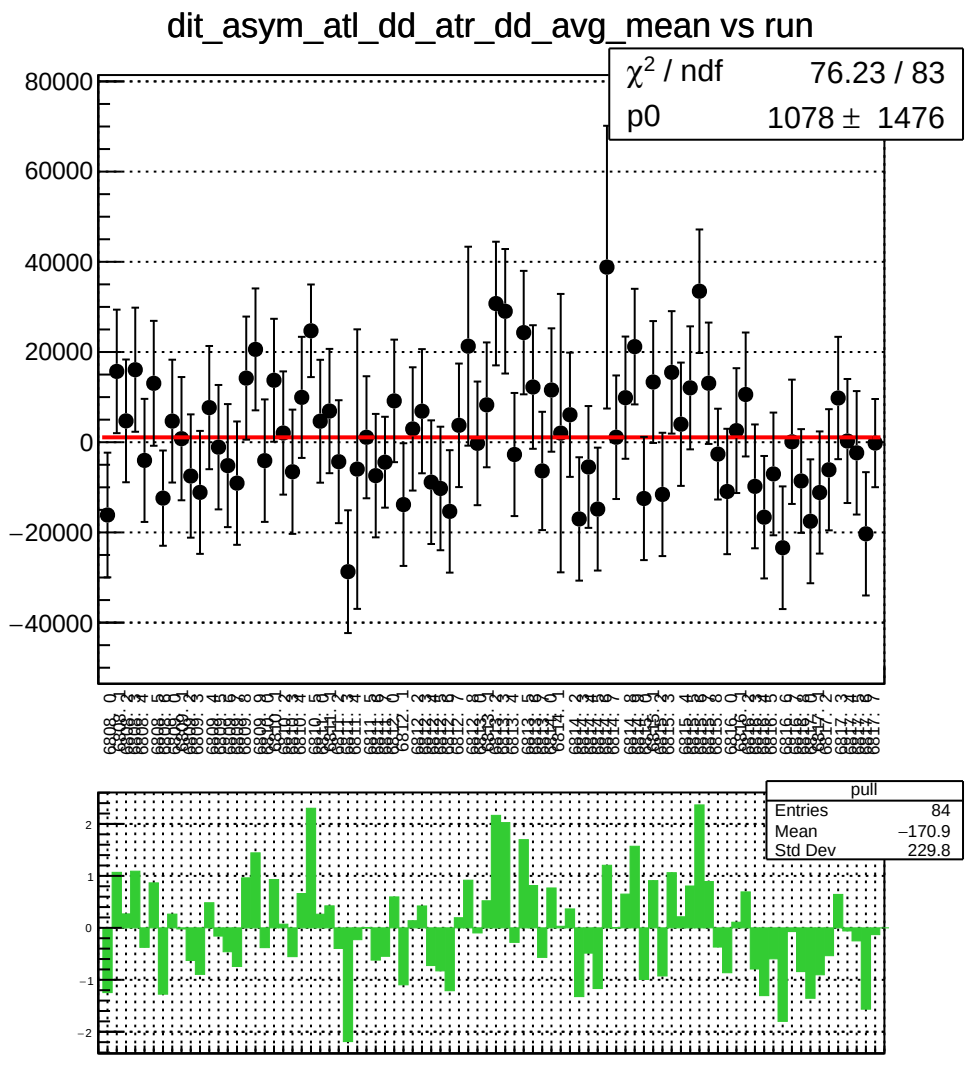

pull1D
Entries 84
Mean 0.003798
Std Dev 1.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

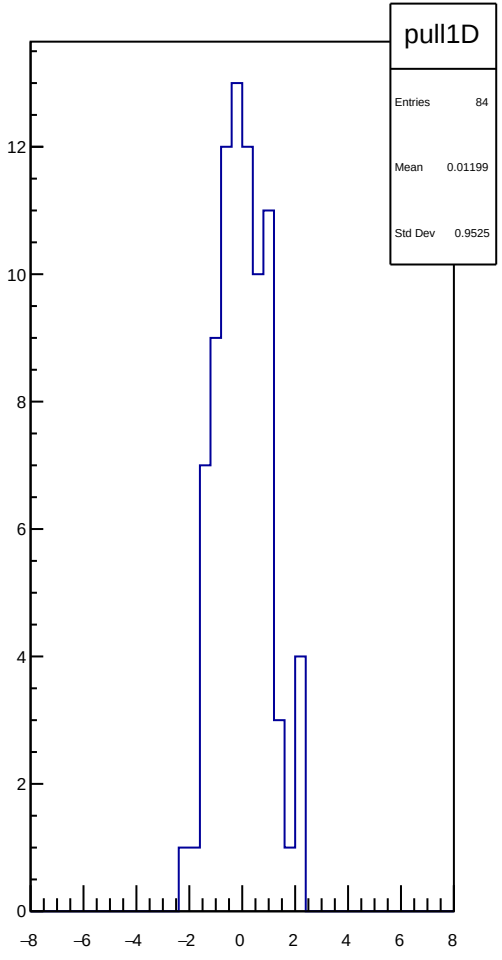

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1994 / 83
p0 301.9 ± 0.2384
330
320
310
300
290
280

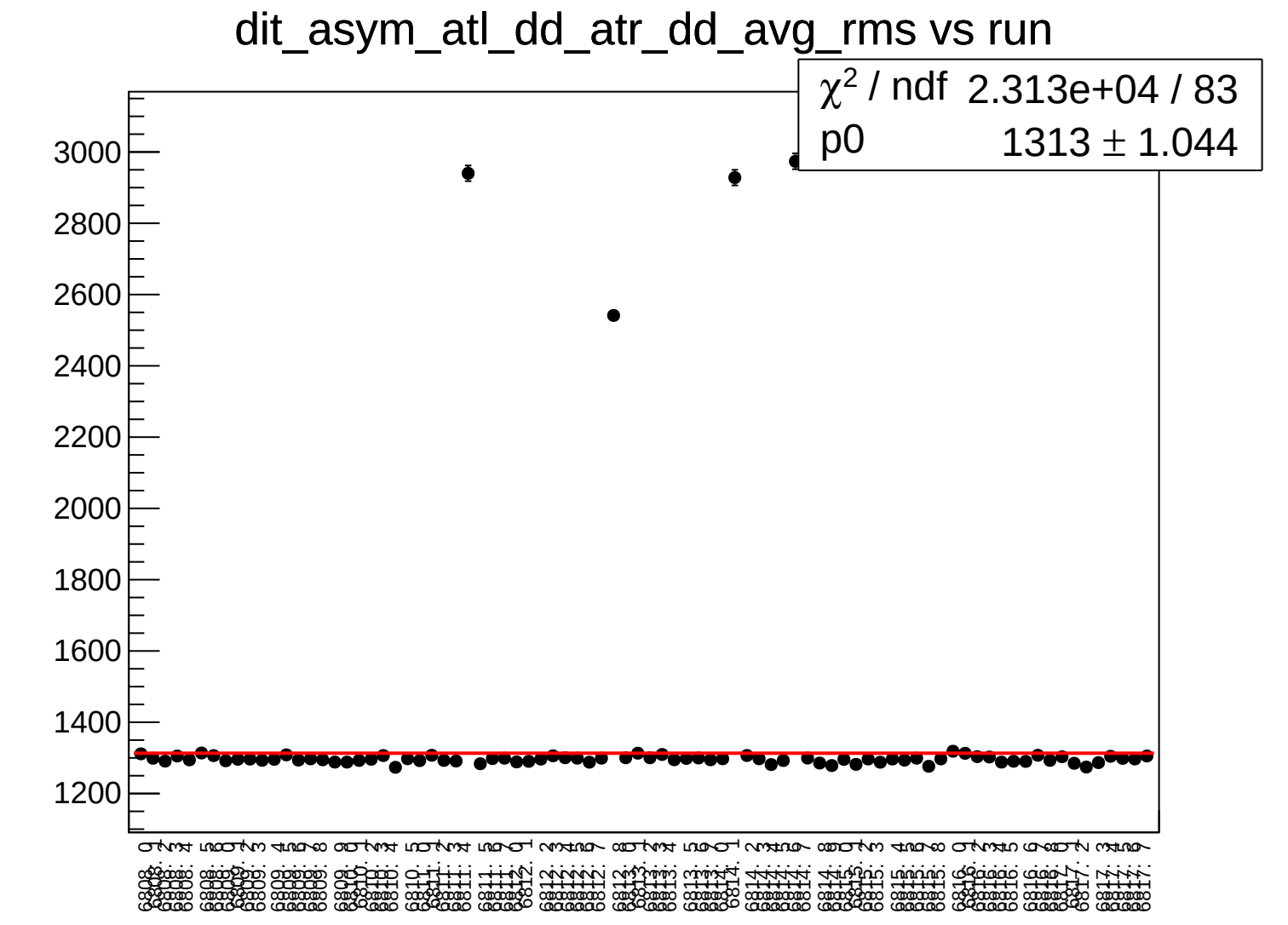

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.16 / 83
p0 −2853 ± 1493
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 109.4
Std Dev 191.1
2
1
0
−1
−2
−3

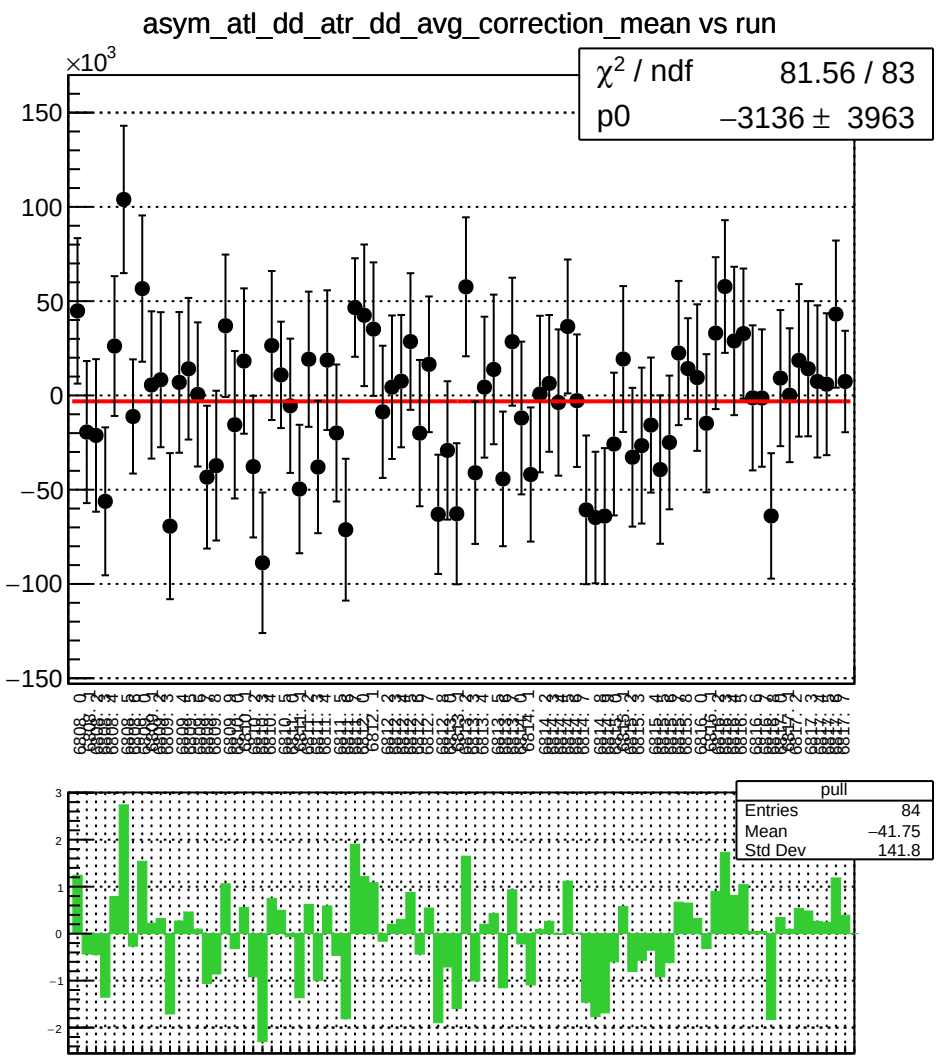

pull1D
Entries 84
Mean −0.004797
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

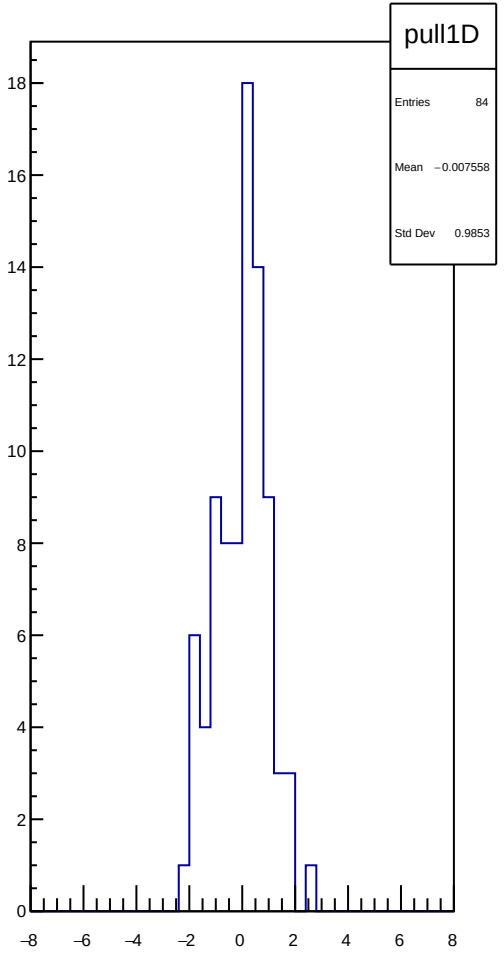

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.278e+04 / 83
p0 1329 ± 1.056
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

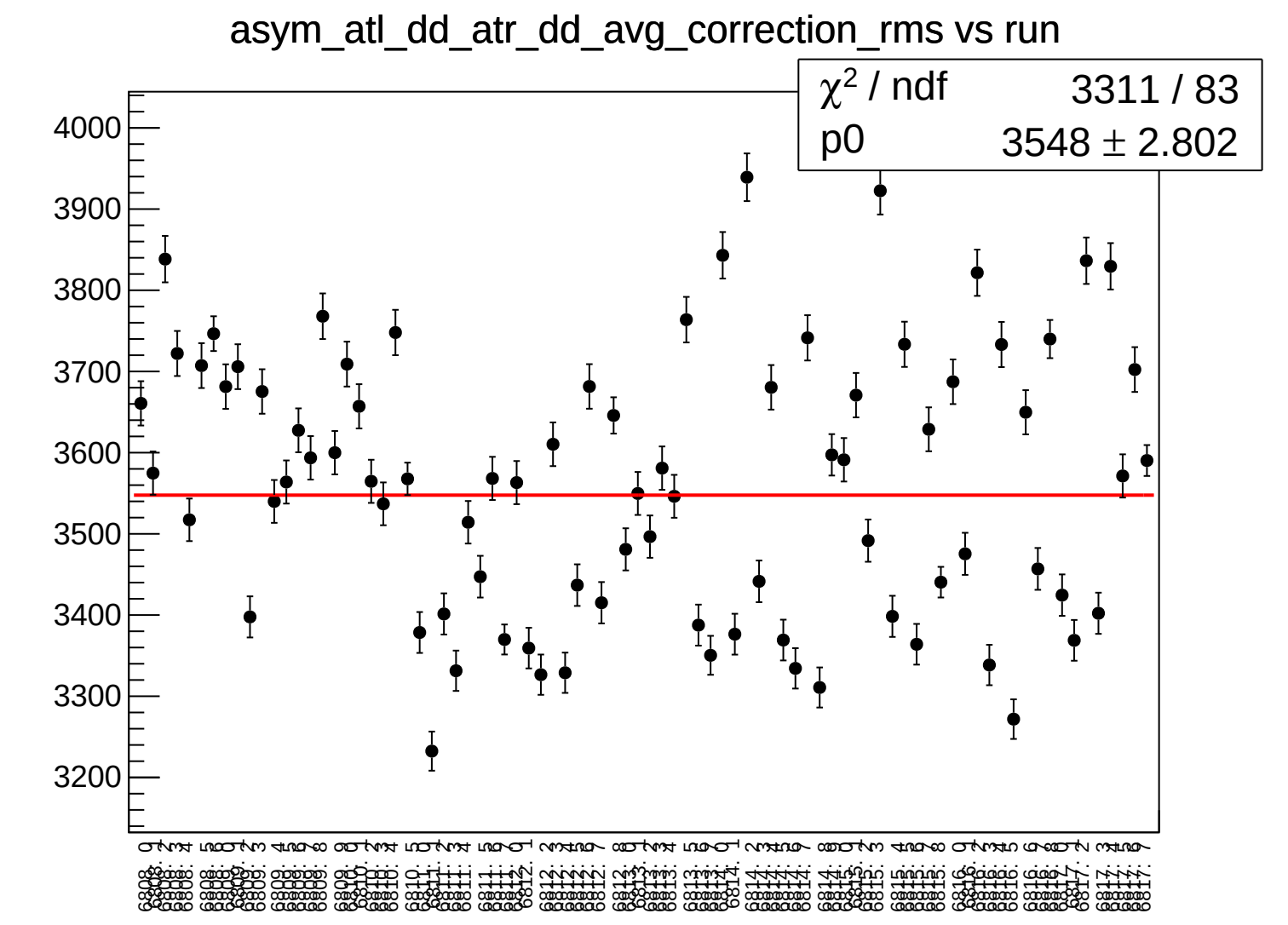

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 76.23 / 83
p0 1078 ± 1476
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −170.9
Std Dev 229.8
2
1
0
−1
−2

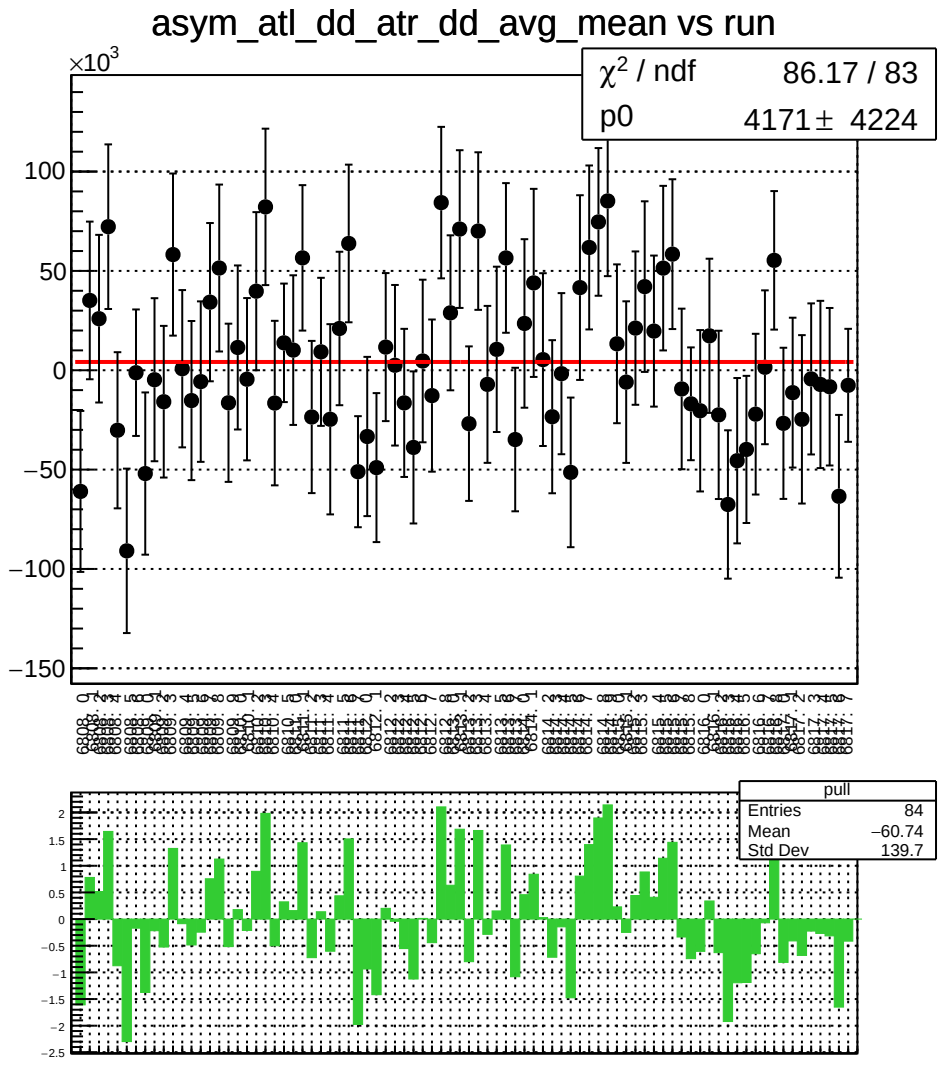

pull1D
Entries 84
Mean 0.01199
Std Dev 0.9525
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

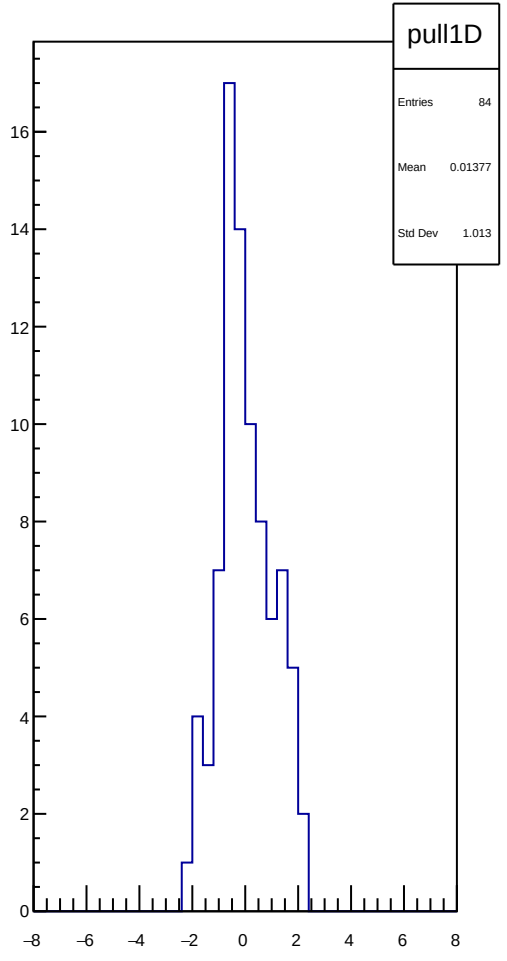

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.313e+04 / 83
p0 1313 ± 1.044
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

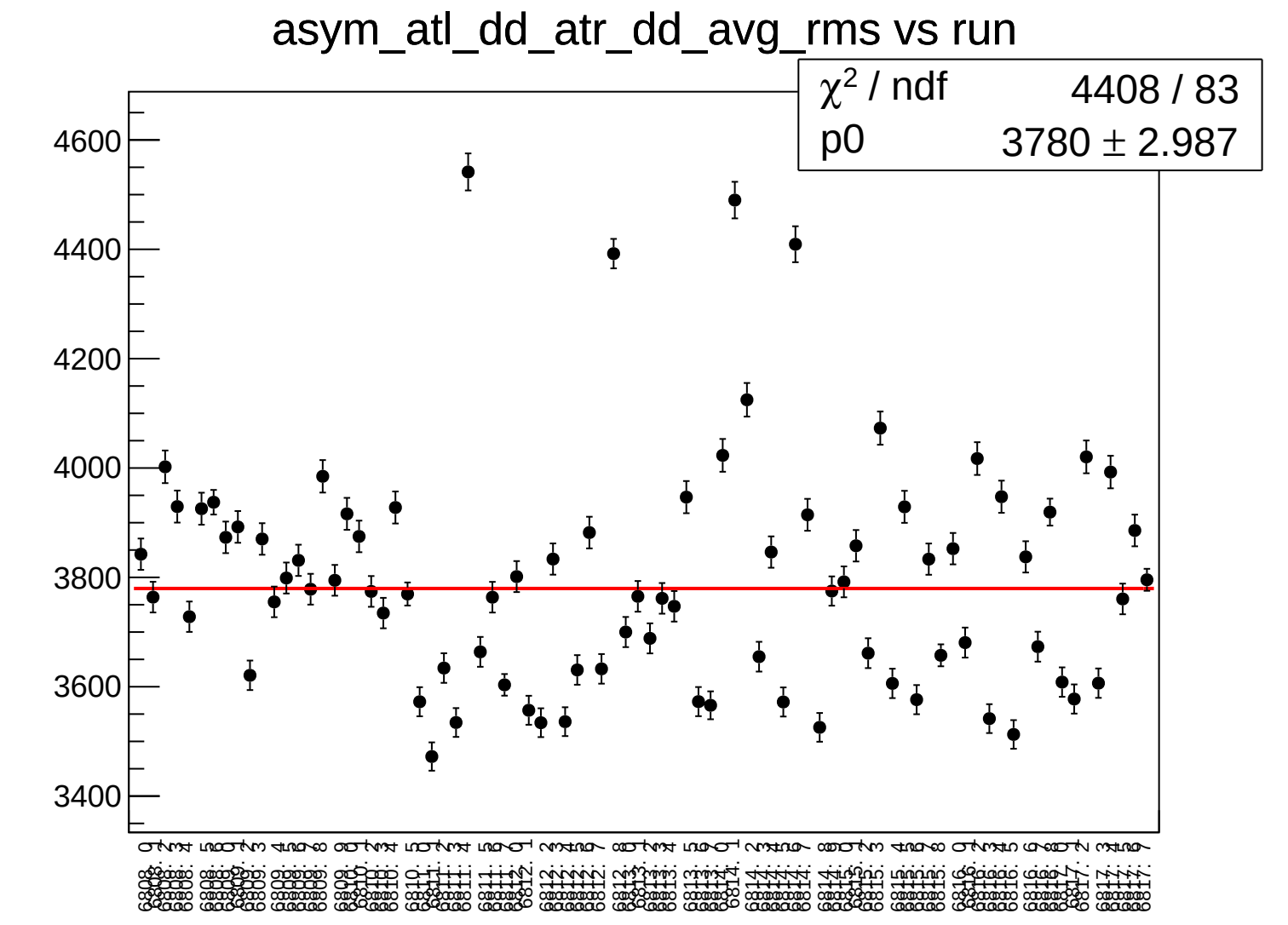

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 81.56 / 83
p0 −3136 ± 3963
150
100
50
0
−50
−100
−150
pull
Entries 84
Mean −41.75
Std Dev 141.8
3
2
1
0
−1
−2

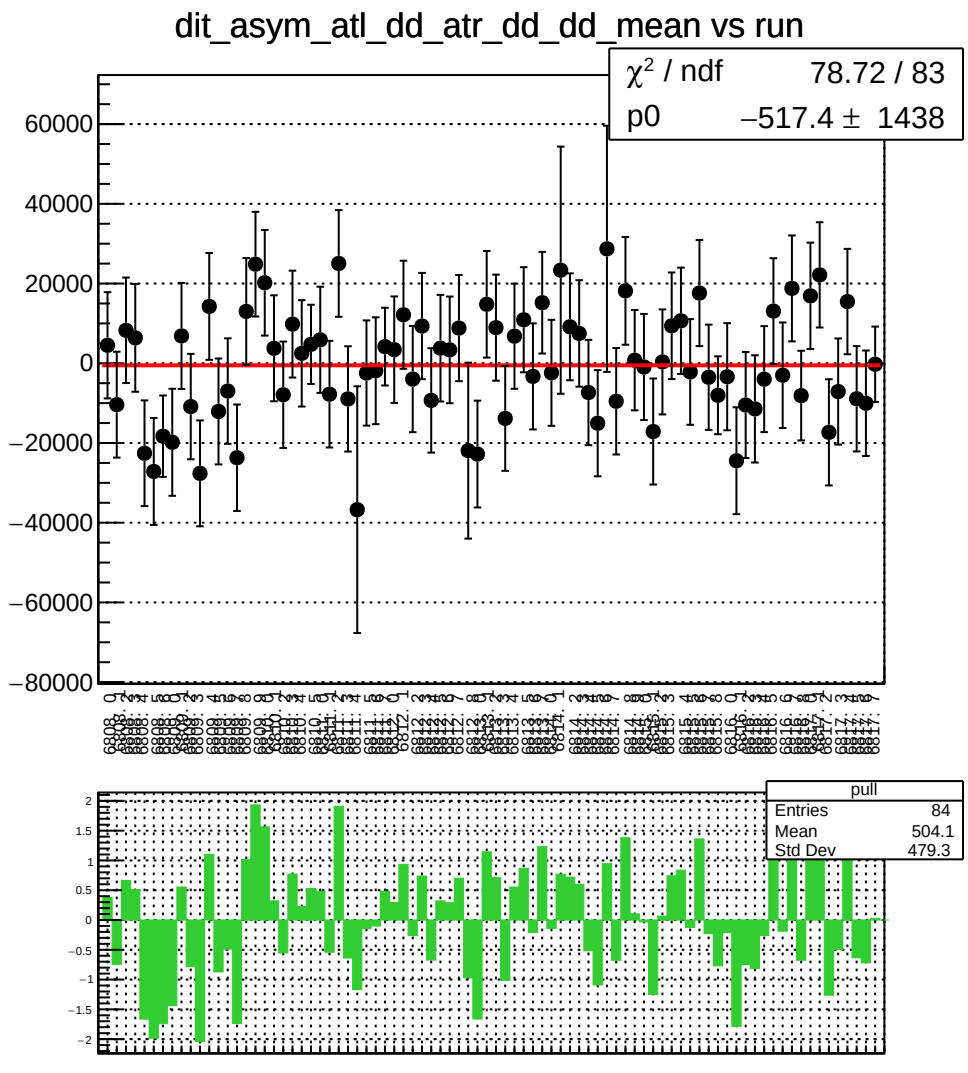

pull1D
Entries 84
Mean −0.007558
Std Dev 0.9853
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

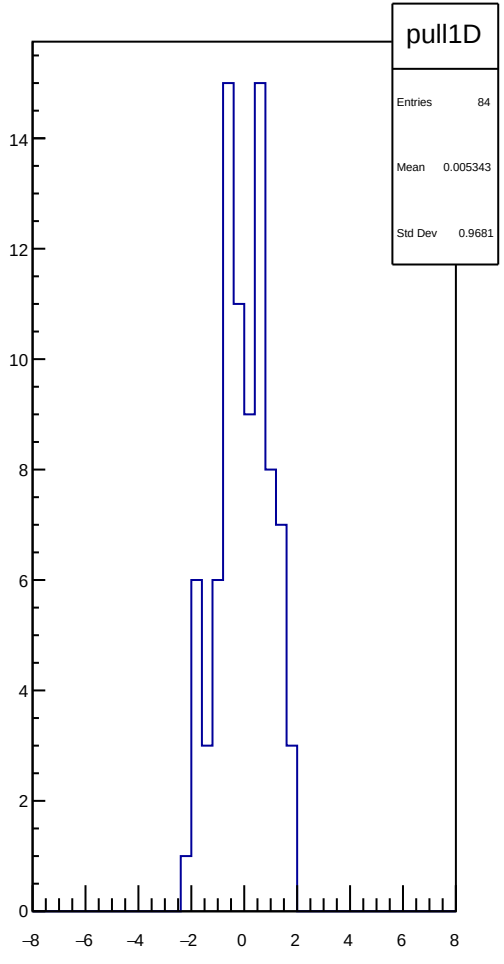

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3311 / 83
p0 3548 ± 2.802
4000
3900
3800
3700
3600
3500
3400
3300
3200

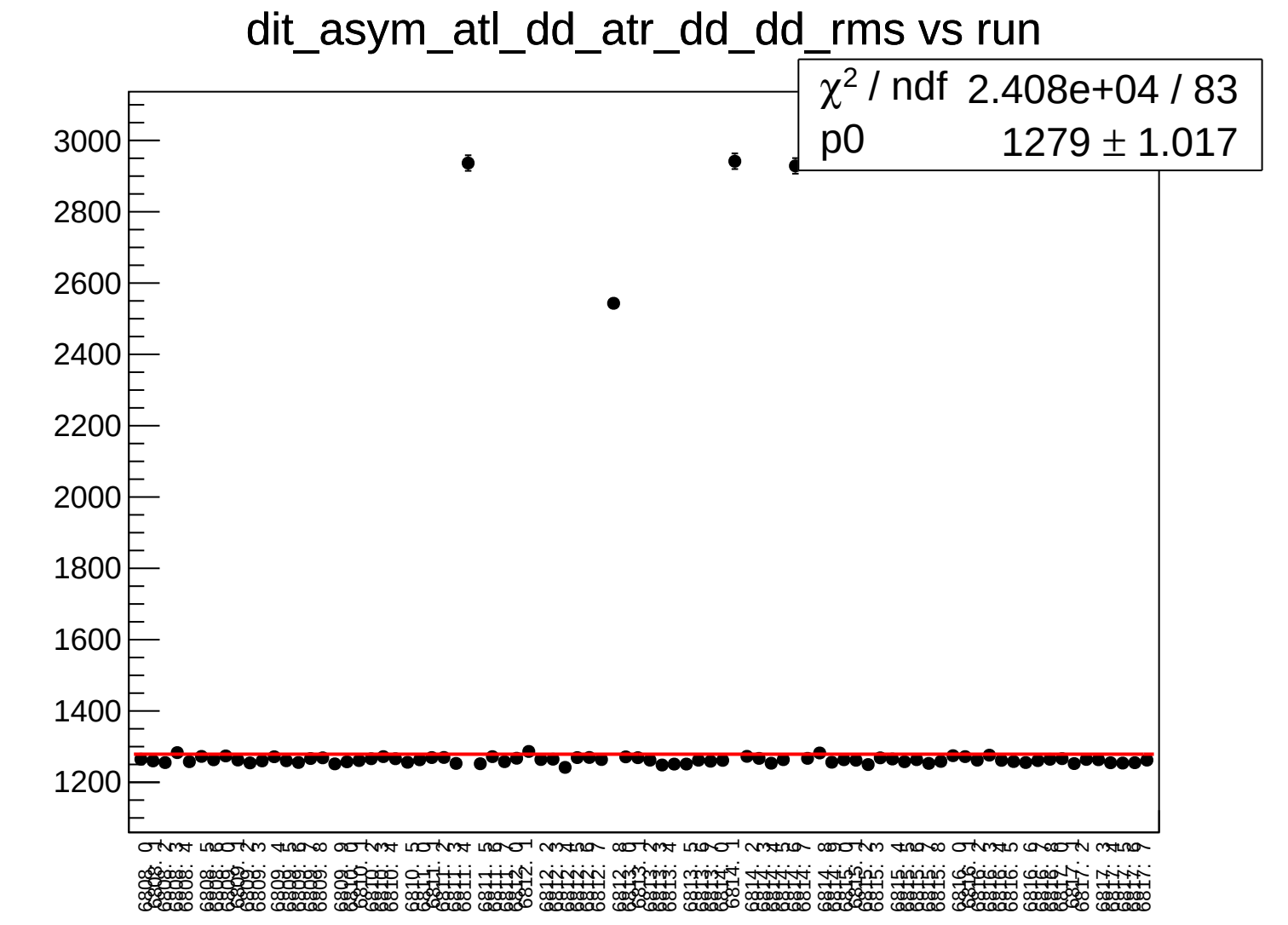

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 86.17 / 83
p0 4171 ± 4224
100
50
0
−50
−100
−150
pull
Entries 84
Mean −60.74
Std Dev 139.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

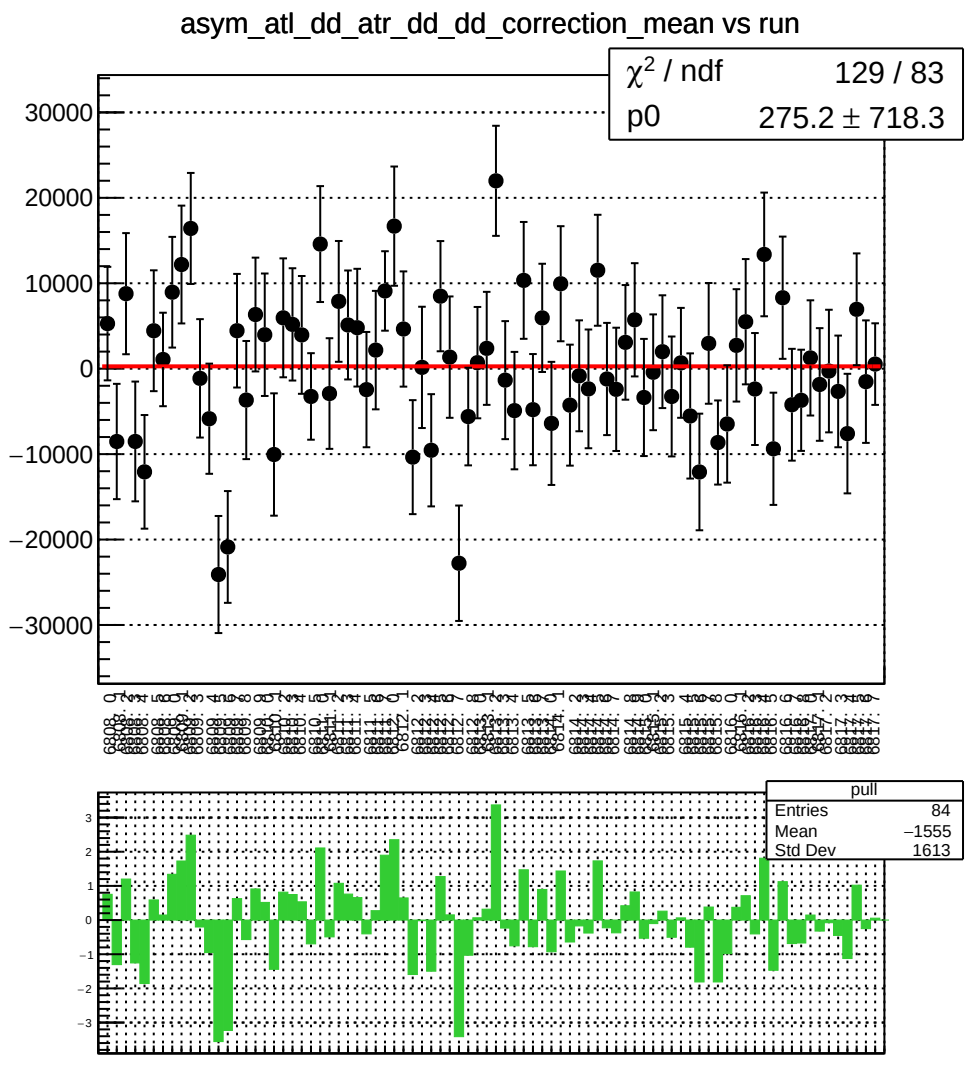

pull1D
Entries 84
Mean 0.01377
Std Dev 1.013
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

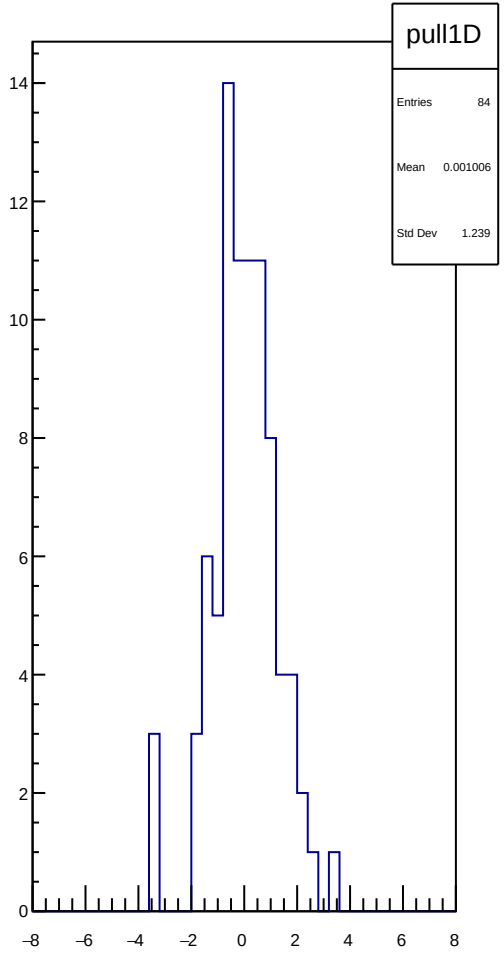

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4408 / 83
p0 3780 ± 2.987
4600
4400
4200
4000
3800
3600
3400

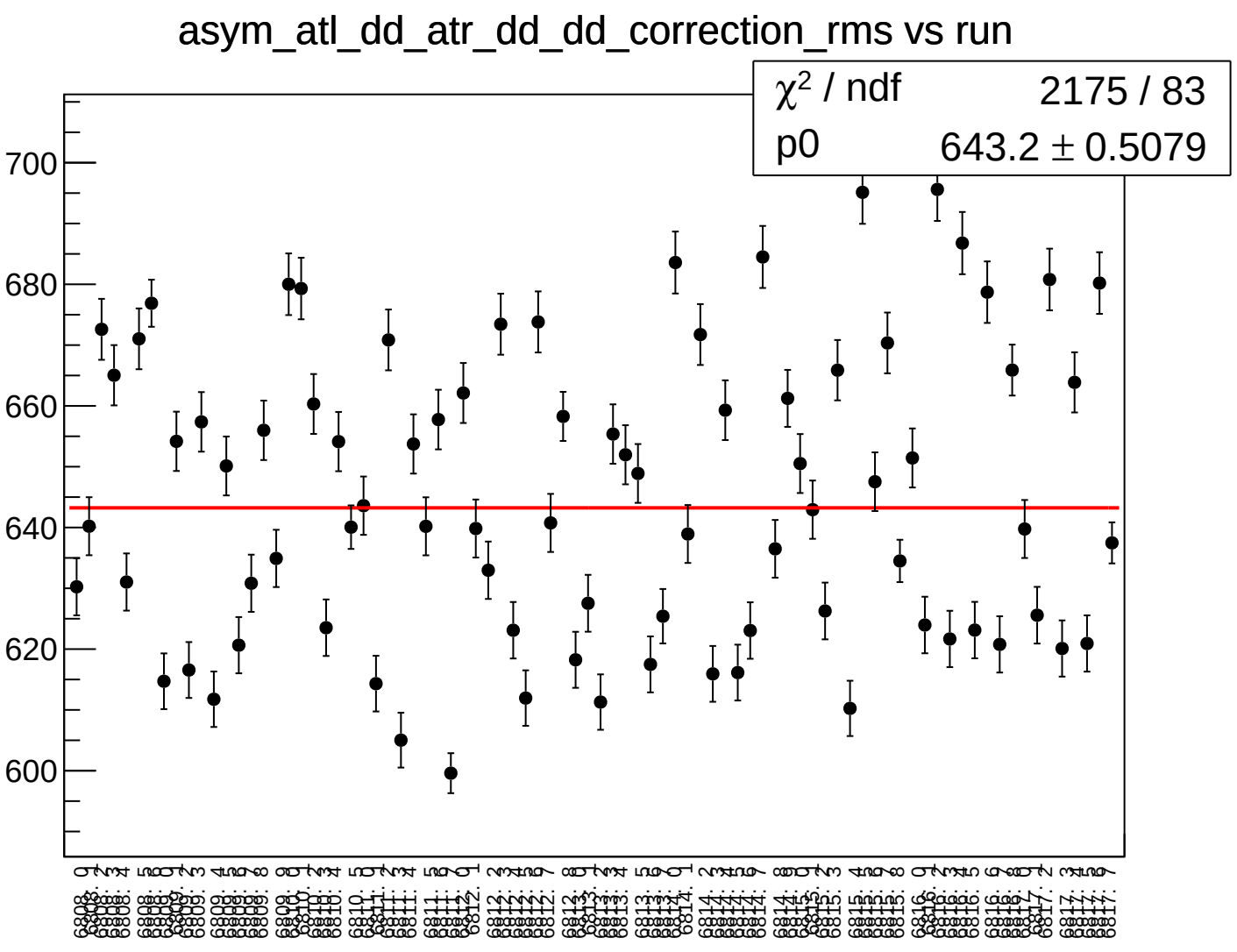

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 78.72 / 83
p0 −517.4 ± 1438
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean 504.1
Std Dev 479.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

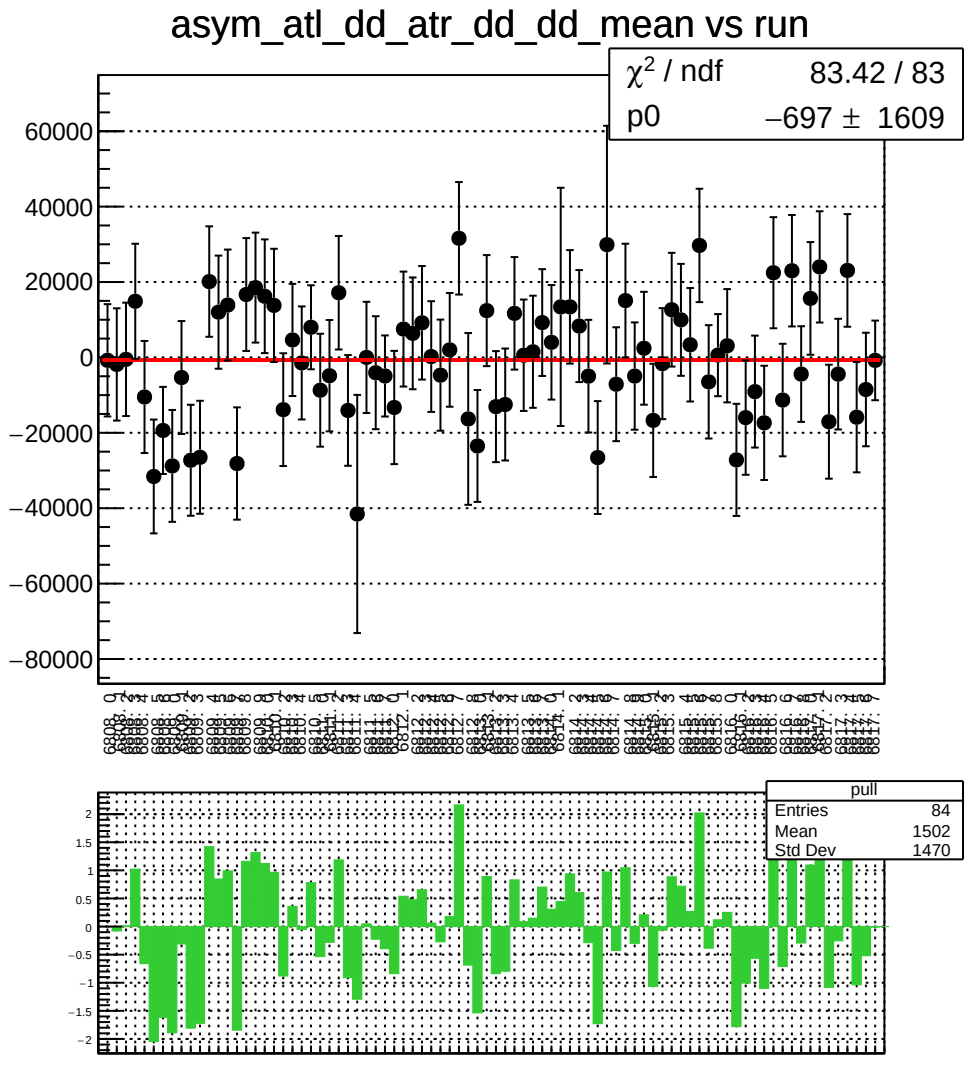

pull1D
Entries 84
Mean 0.005343
Std Dev 0.9681
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

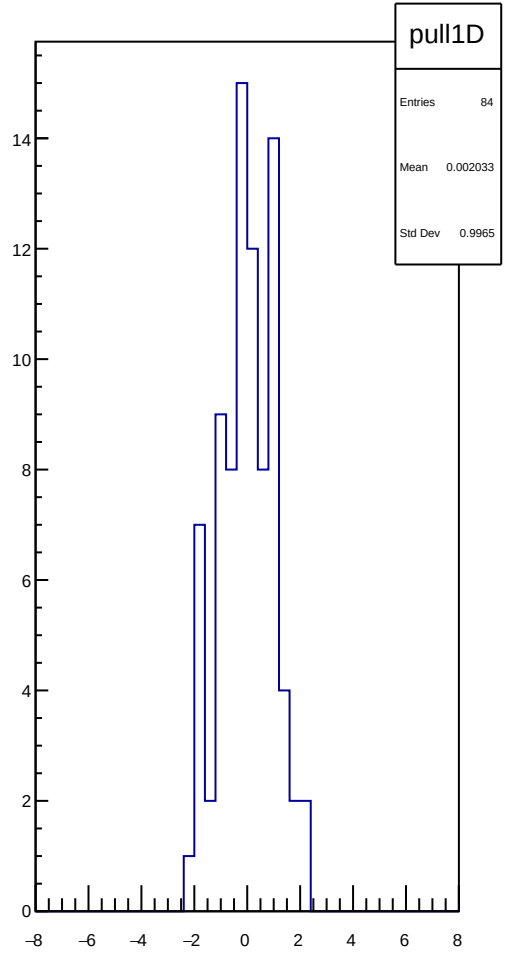

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.408e+04 / 83
p0 1279 ± 1.017
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

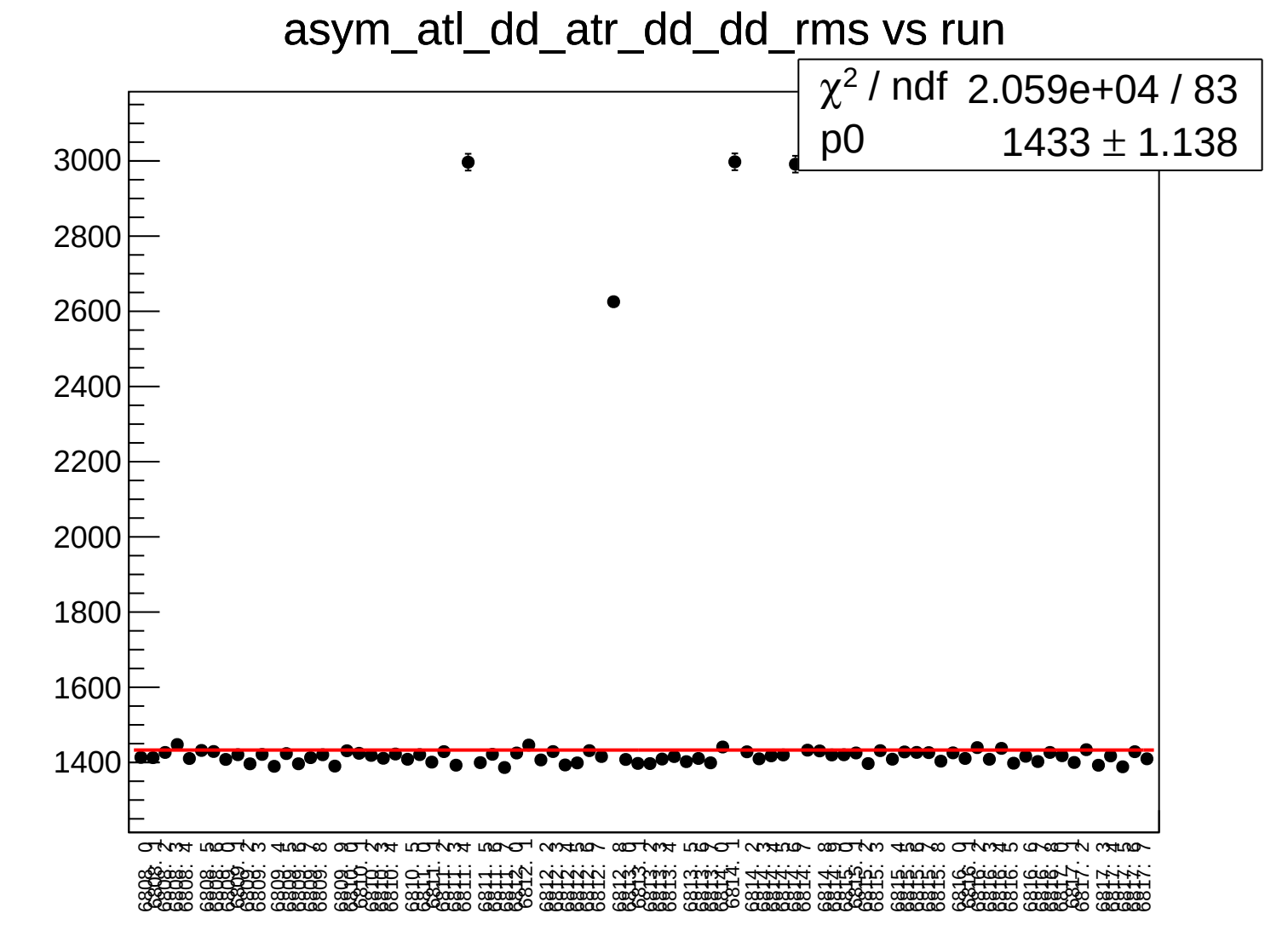

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 129 / 83
p0 275.2 ± 718.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −1555
Std Dev 1613
3
2
1
0
−1
−2
−3

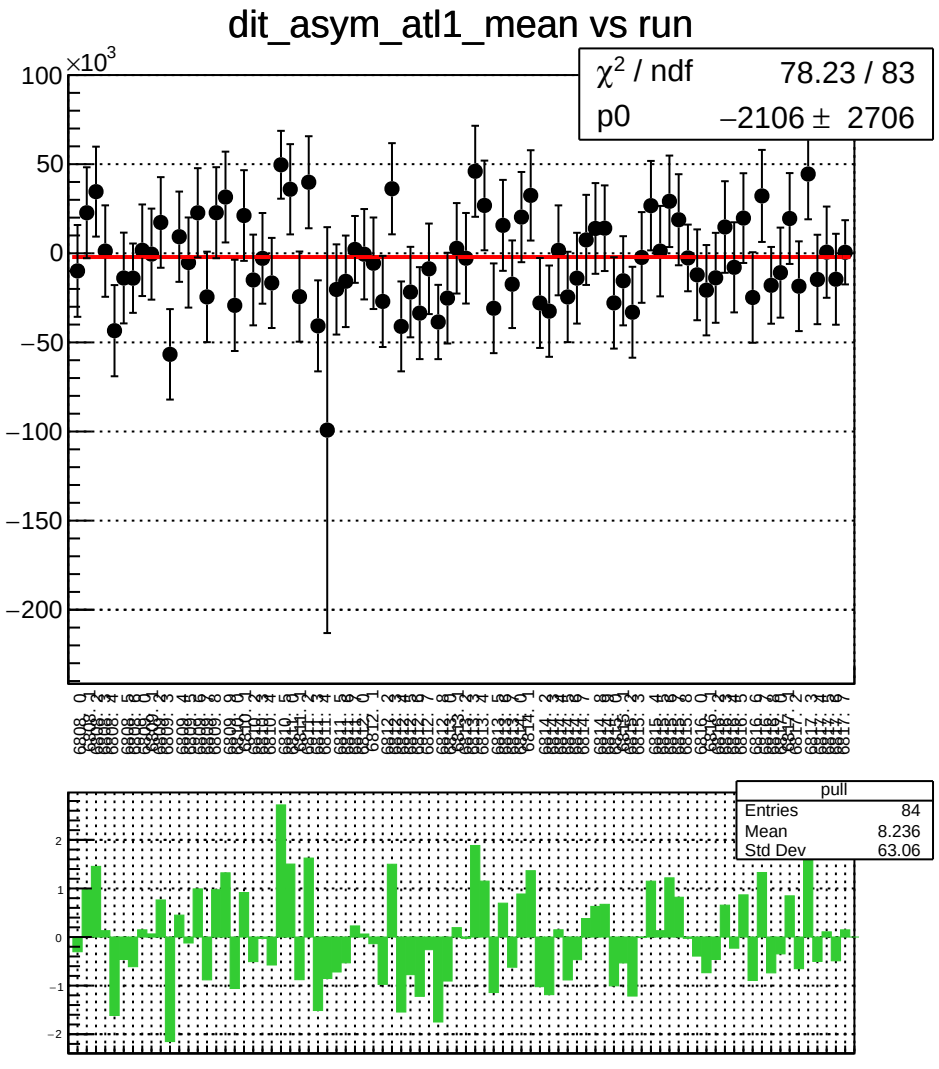

pull1D
Entries 84
Mean 0.001006
Std Dev 1.239
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

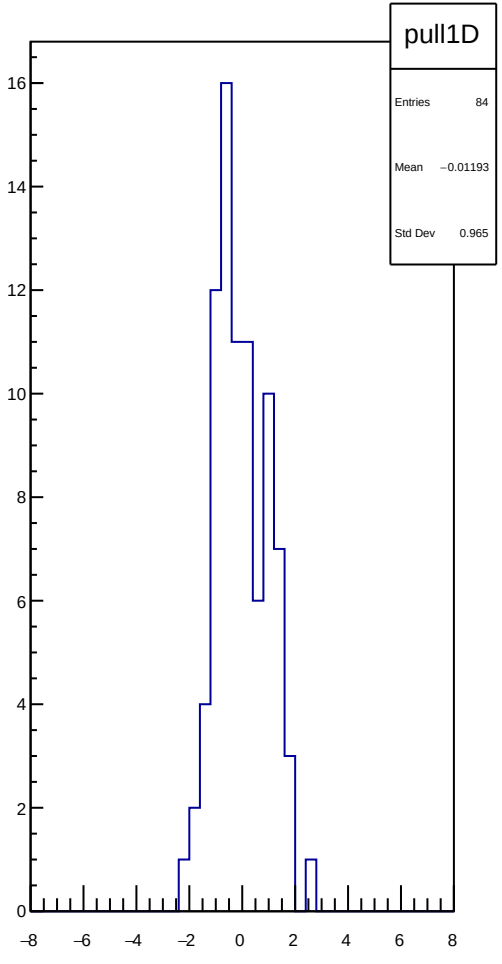

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2175 / 83
p0 643.2 ± 0.5079
700
680
660
640
620
600

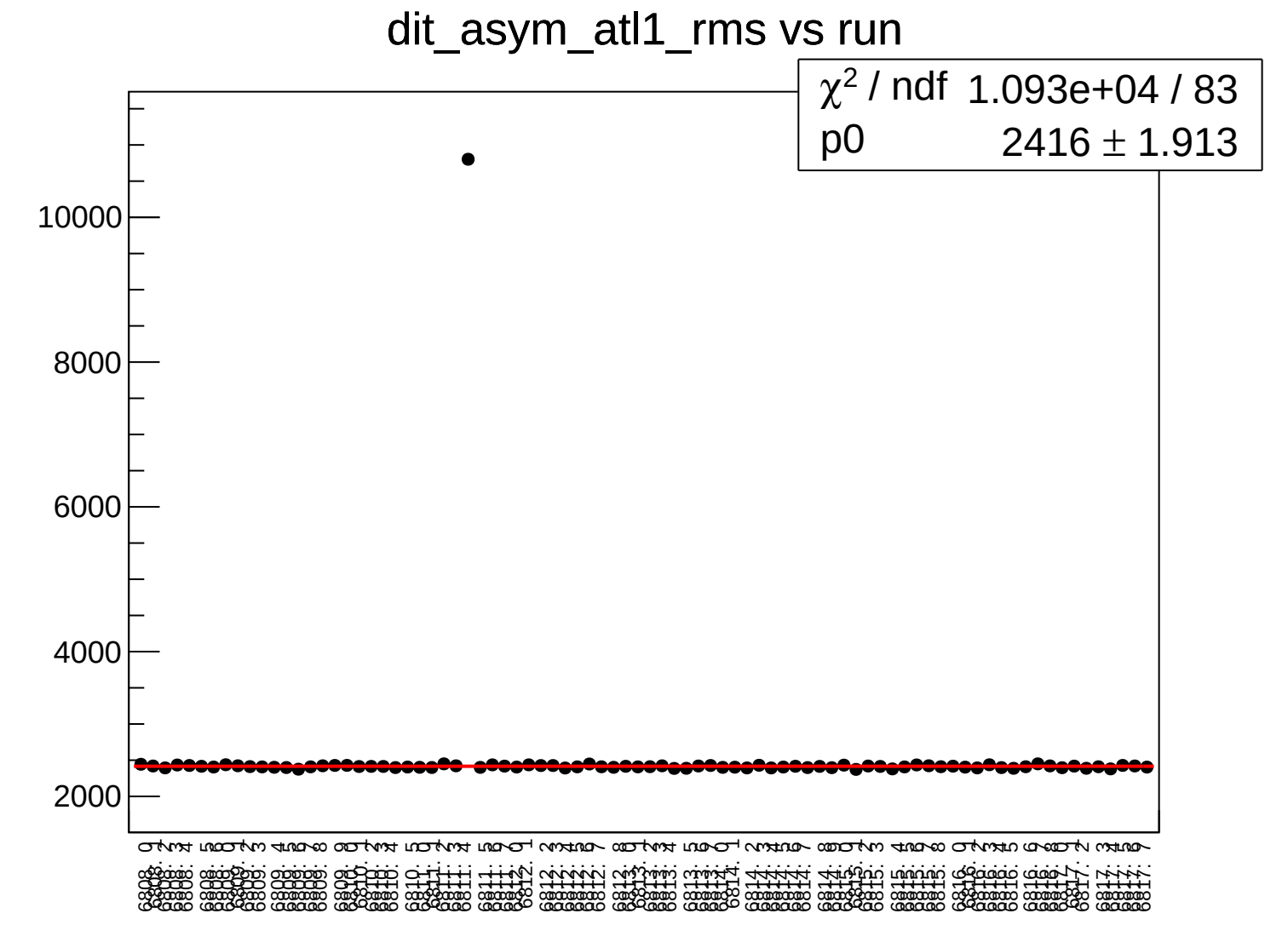

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 83.42 / 83
p0 −697 ± 1609
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean 1502
Std Dev 1470
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

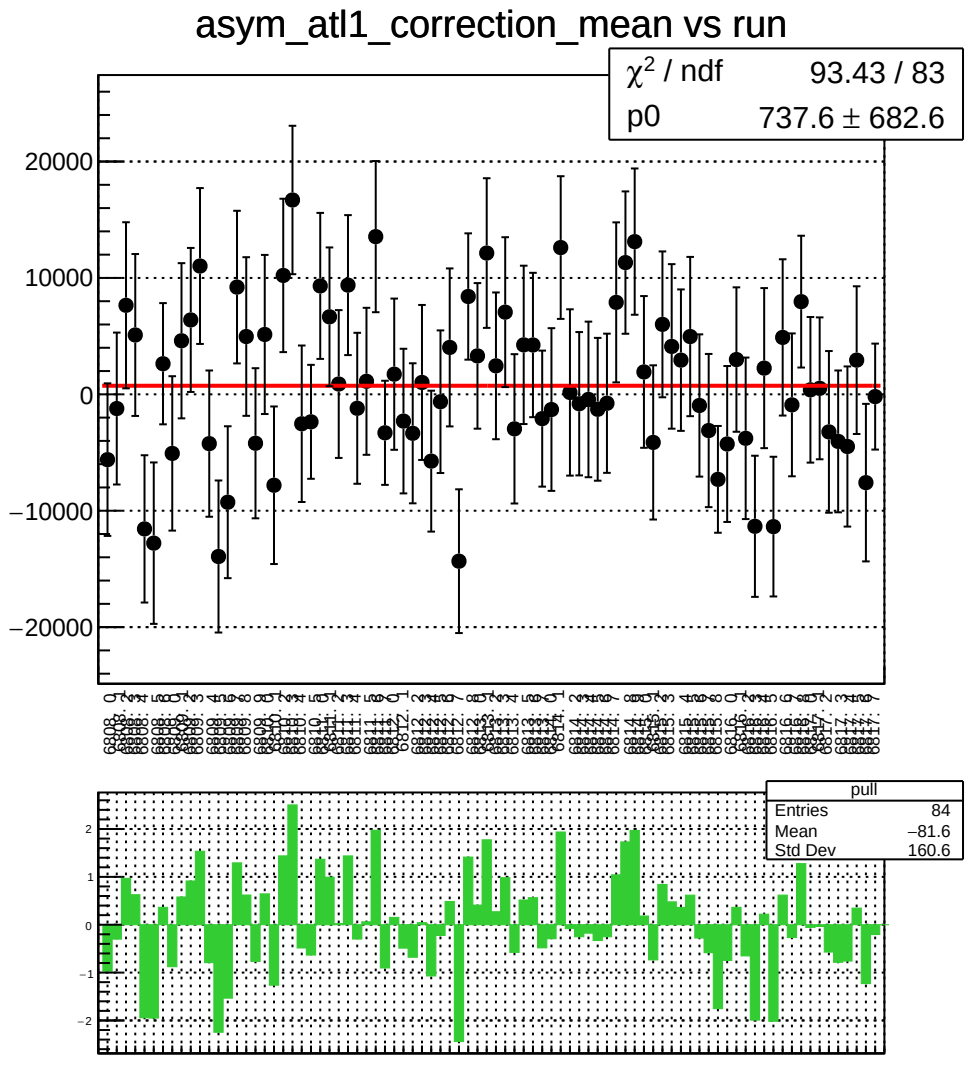

pull1D
Entries 84
Mean 0.002033
Std Dev 0.9965
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

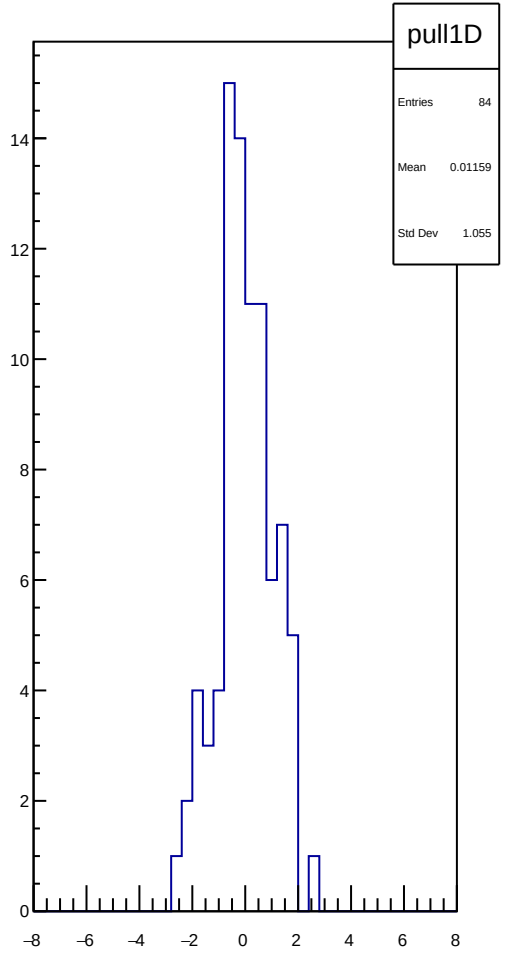

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.059e+04 / 83
p0 1433 ± 1.138
3000
2800
2600
2400
2200
2000
1800
1600
1400

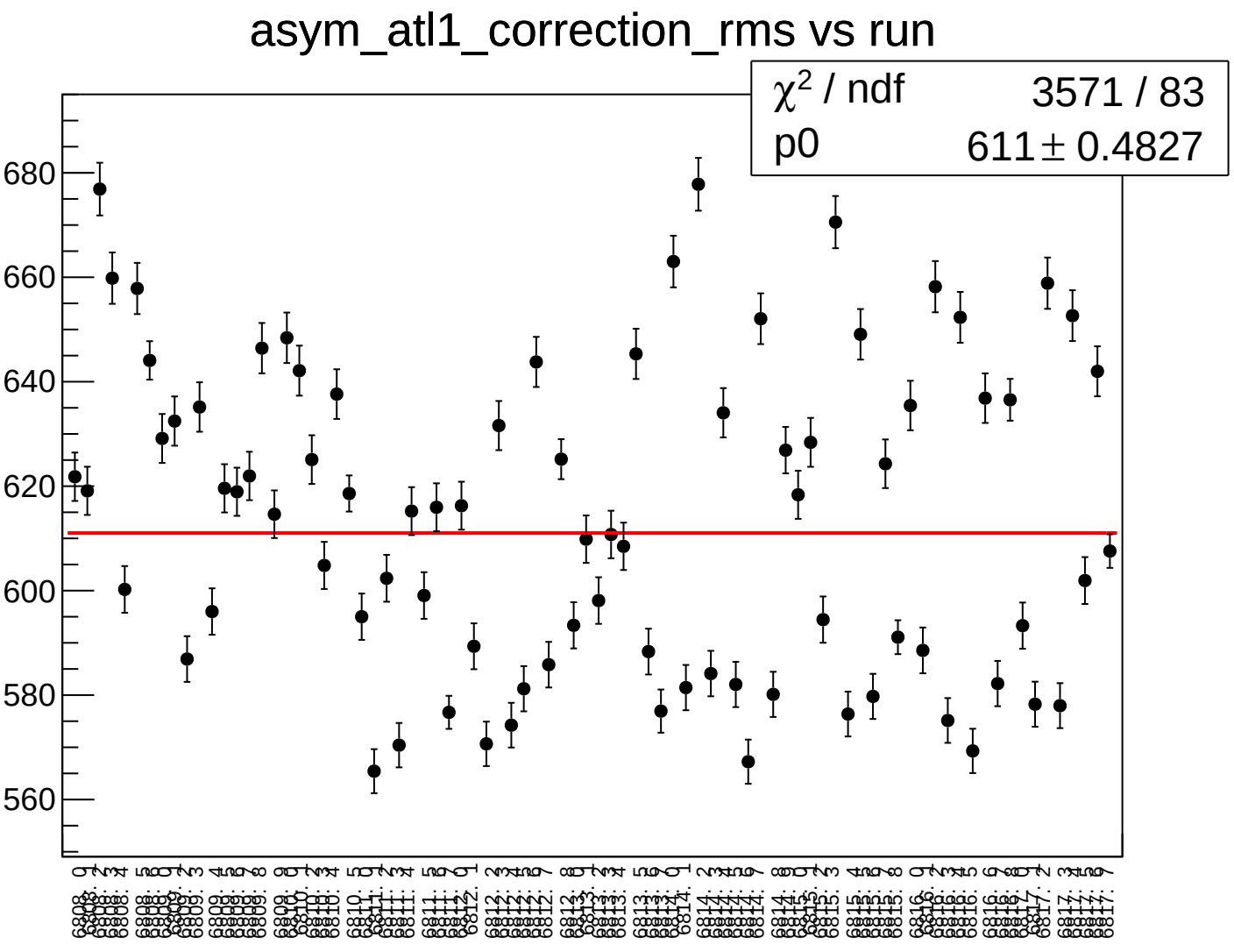

dit_asym_atl1_mean vs run
χ^2 / ndf 78.23 / 83
p0 −2106 ± 2706
×10^3
pull
Entries 84
Mean 8.236
Std Dev 63.06

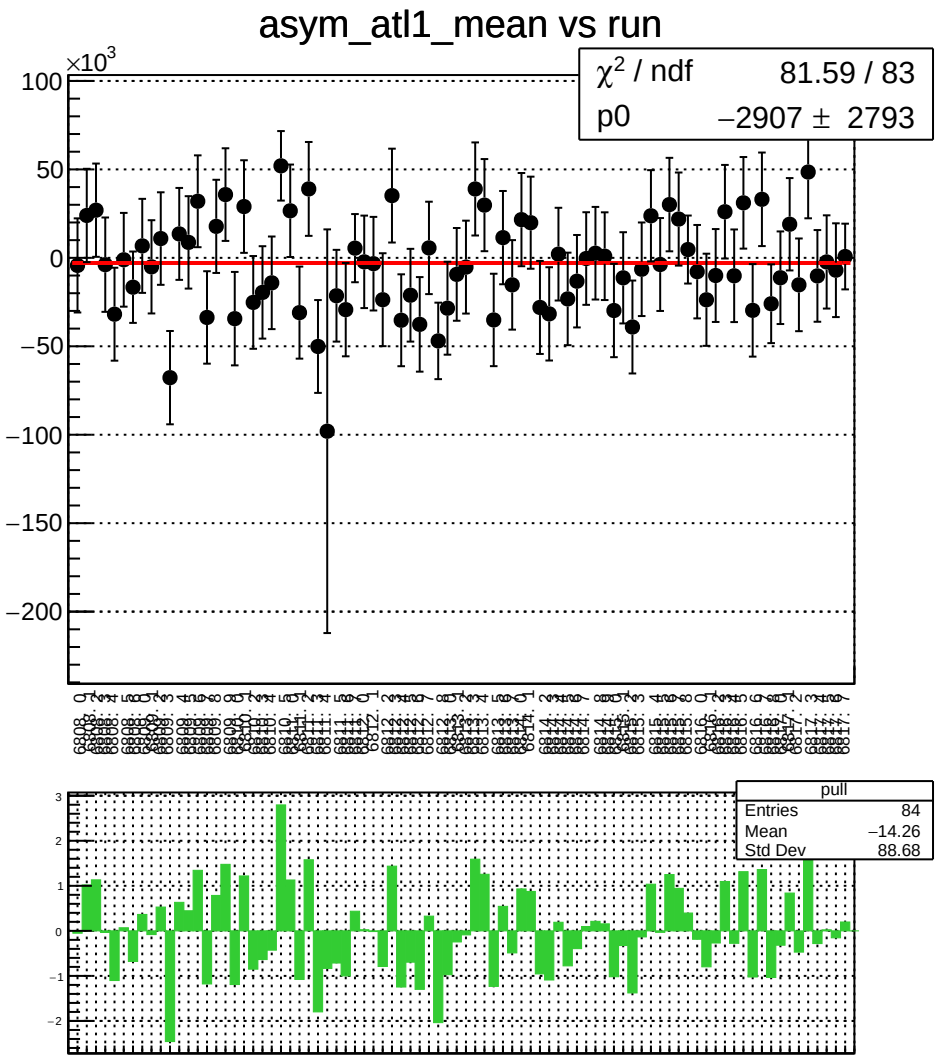

pull1D
Entries 84
Mean −0.01193
Std Dev 0.965

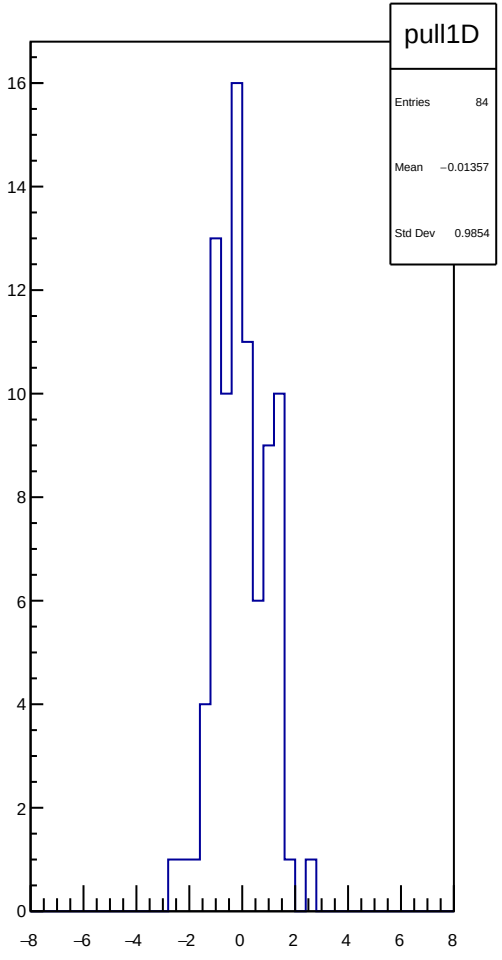

dit_asym_atl1_rms vs run
χ^2 / ndf 1.093e+04 / 83
p0 2416 ± 1.913
10000
8000
6000
4000
2000

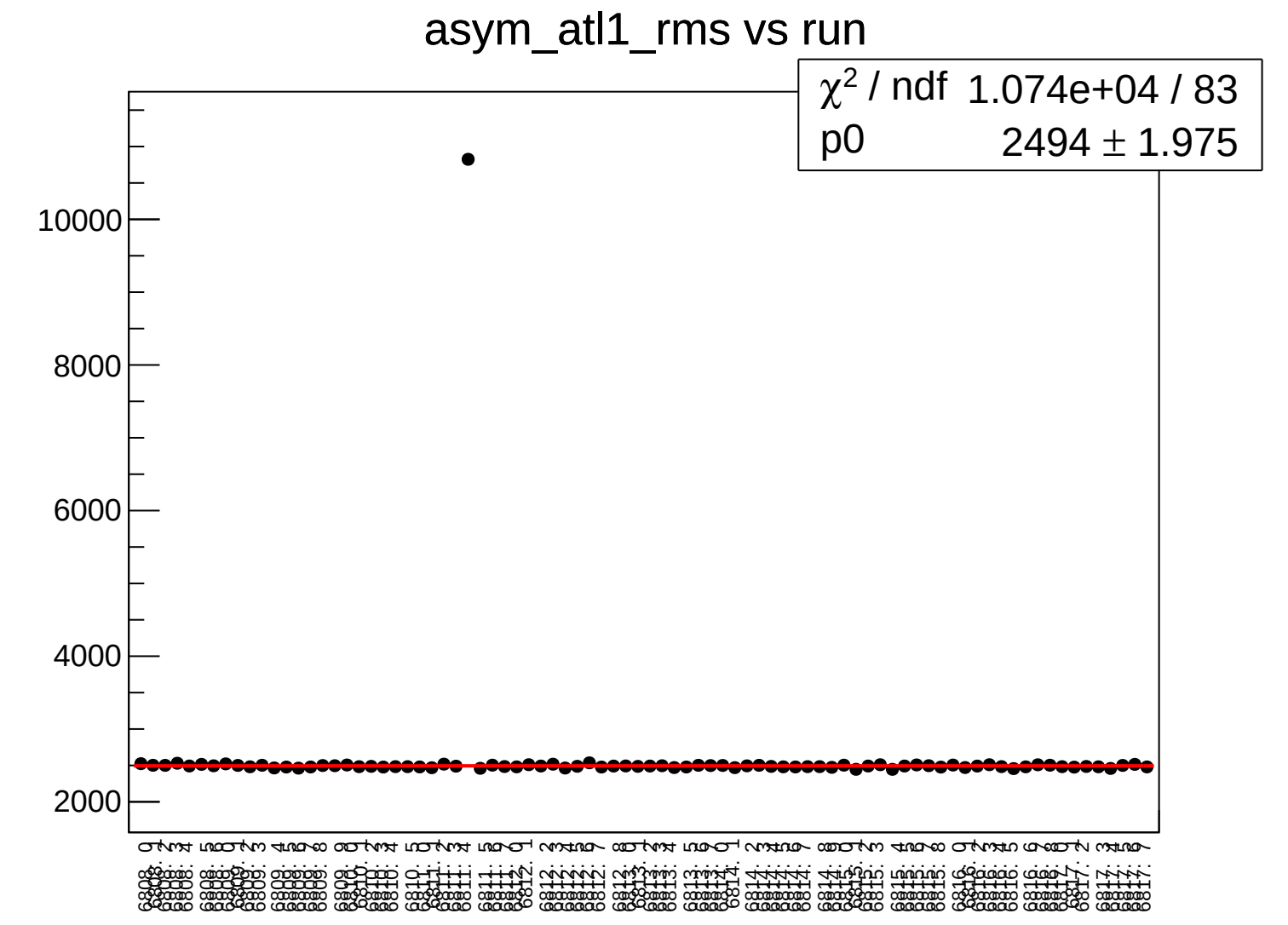

asym_atl1_correction_mean vs run
χ² / ndf 93.43 / 83
p0 737.6 ± 682.6
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −81.6
Std Dev 160.6
2
1
0
−1
−2

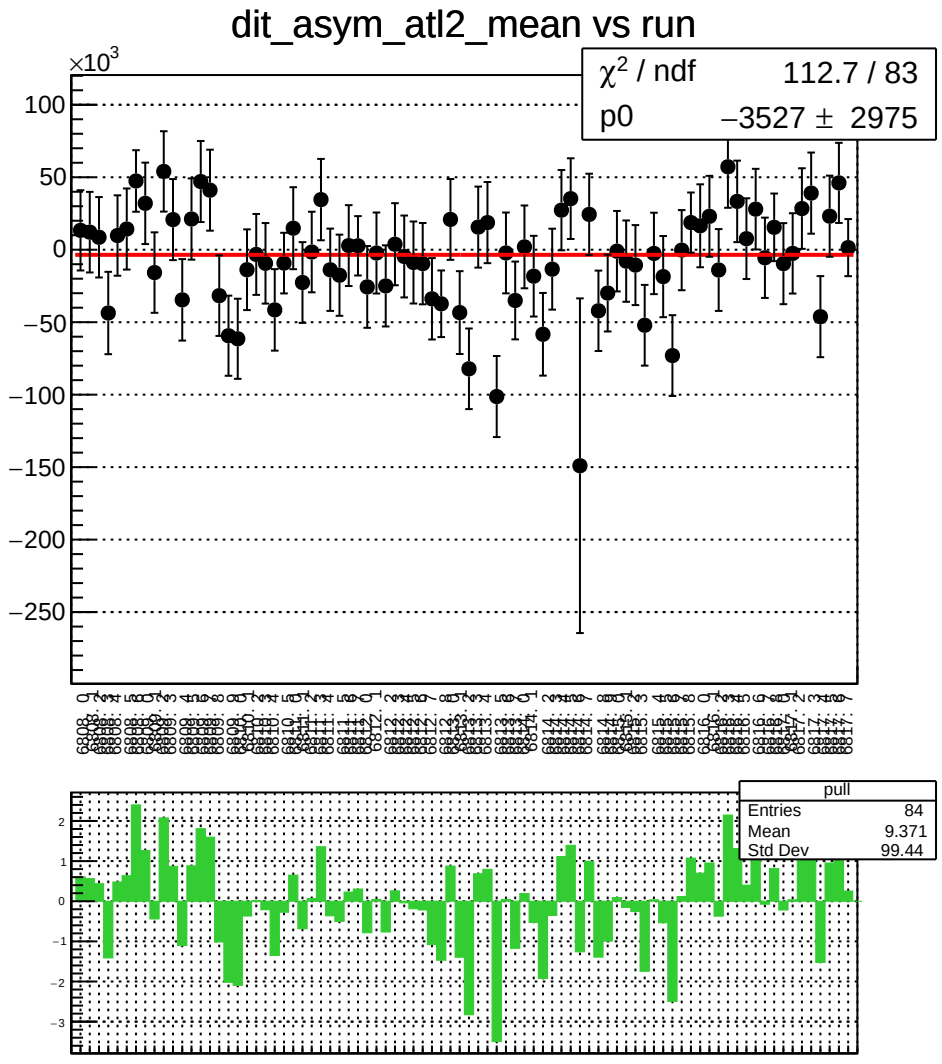

pull1D
Entries 84
Mean 0.01159
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

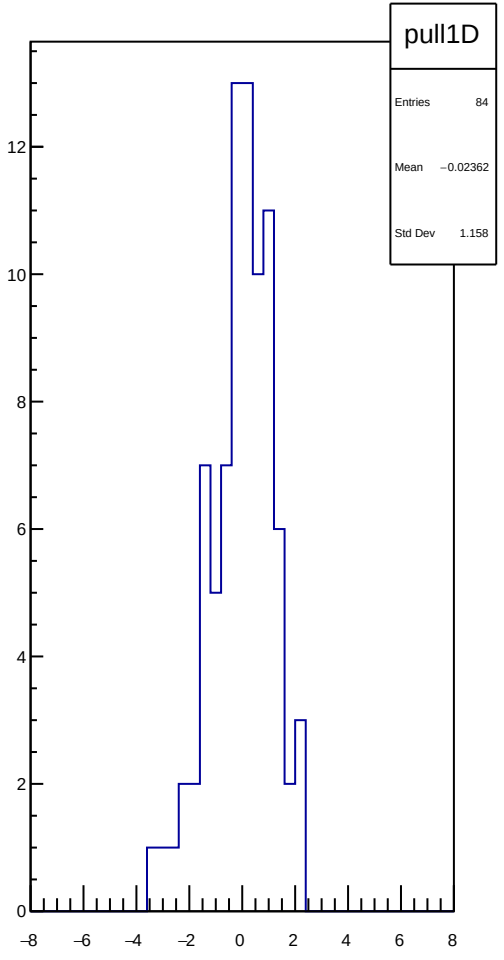

asym_atl1_correction_rms vs run
χ^2 / ndf 3571 / 83
p0 611 ± 0.4827
680
660
640
620
600
580
560

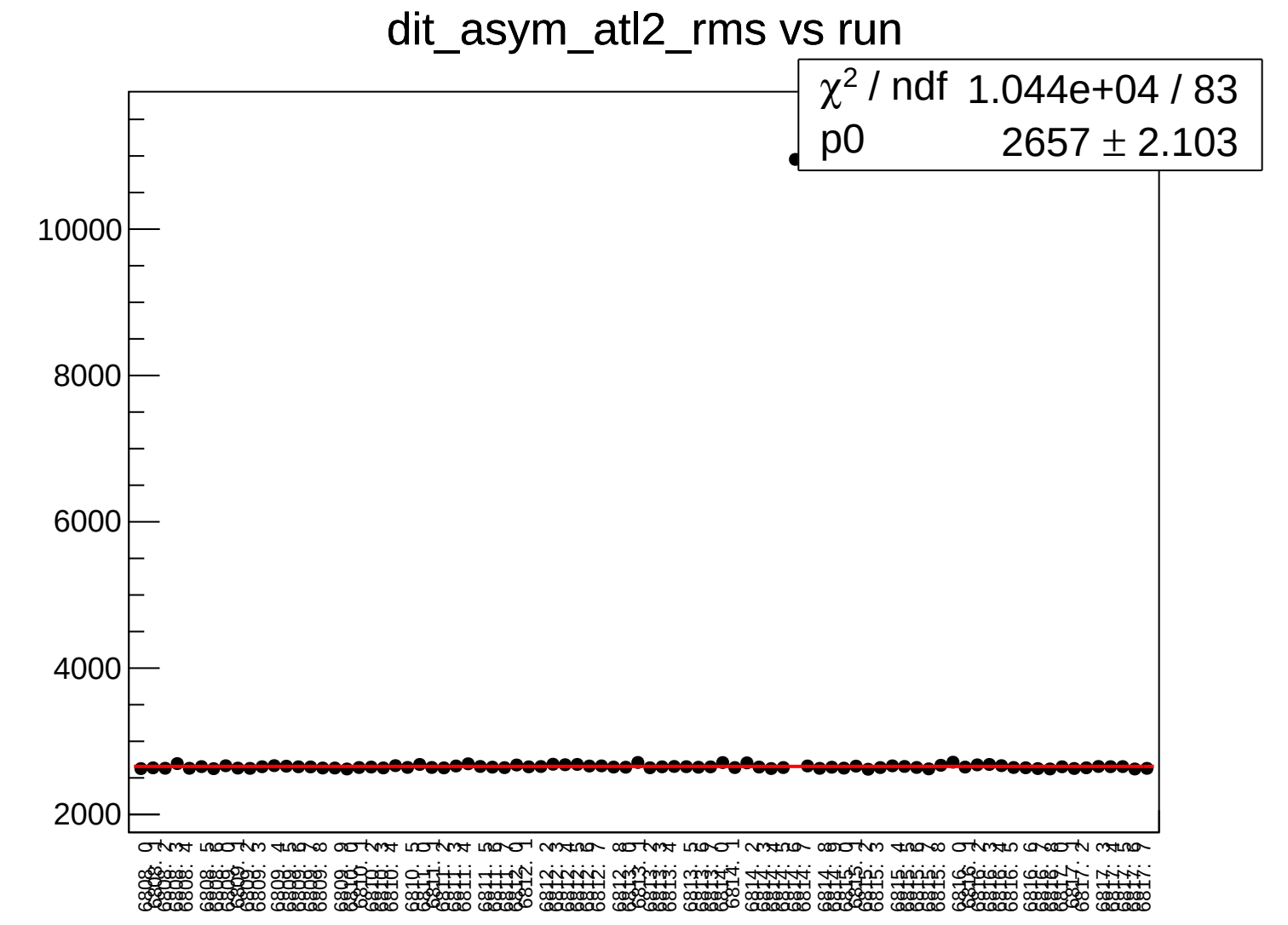

asym_atl1_mean vs run
×10^3
χ² / ndf 81.59 / 83
p0 −2907 ± 2793
pull
Entries 84
Mean −14.26
Std Dev 88.68

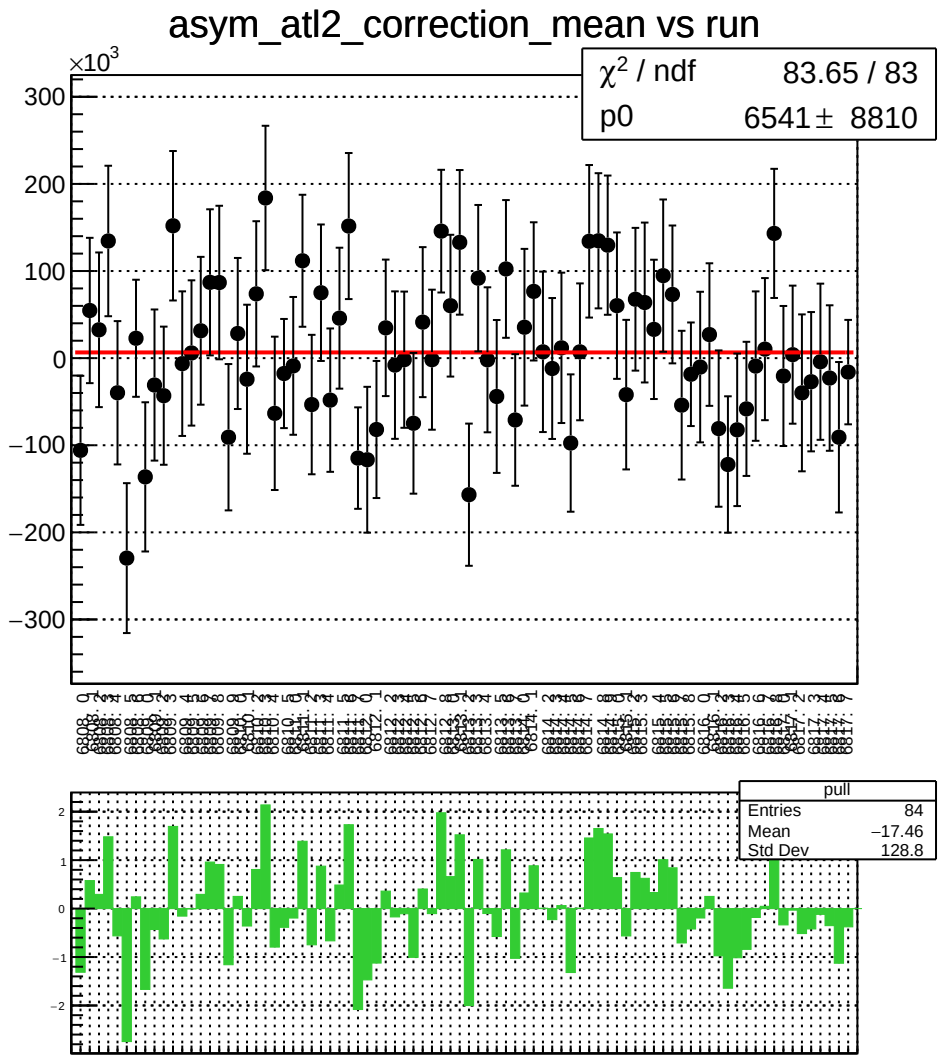

pull1D
Entries 84
Mean −0.01357
Std Dev 0.9854

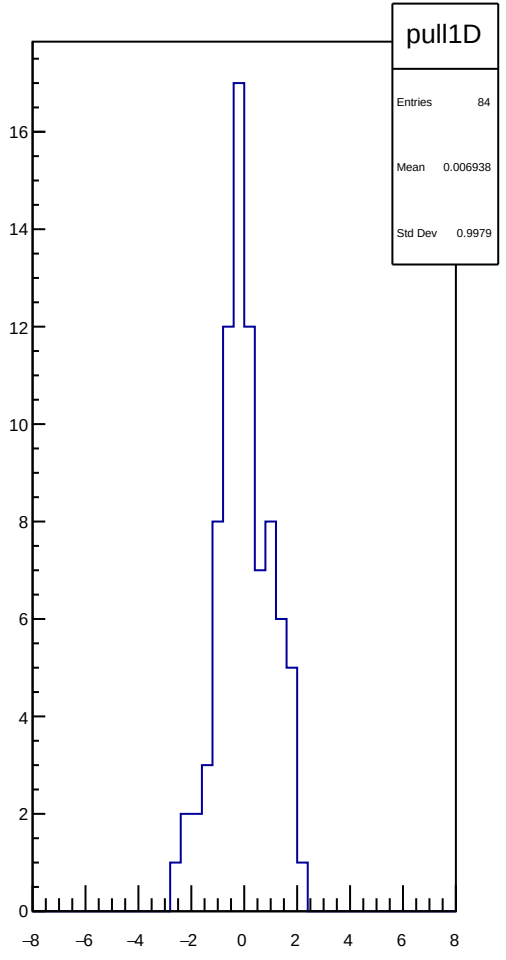

asym_atl1_rms vs run
χ² / ndf 1.074e+04 / 83
p0 2494 ± 1.975
10000
8000
6000
4000
2000

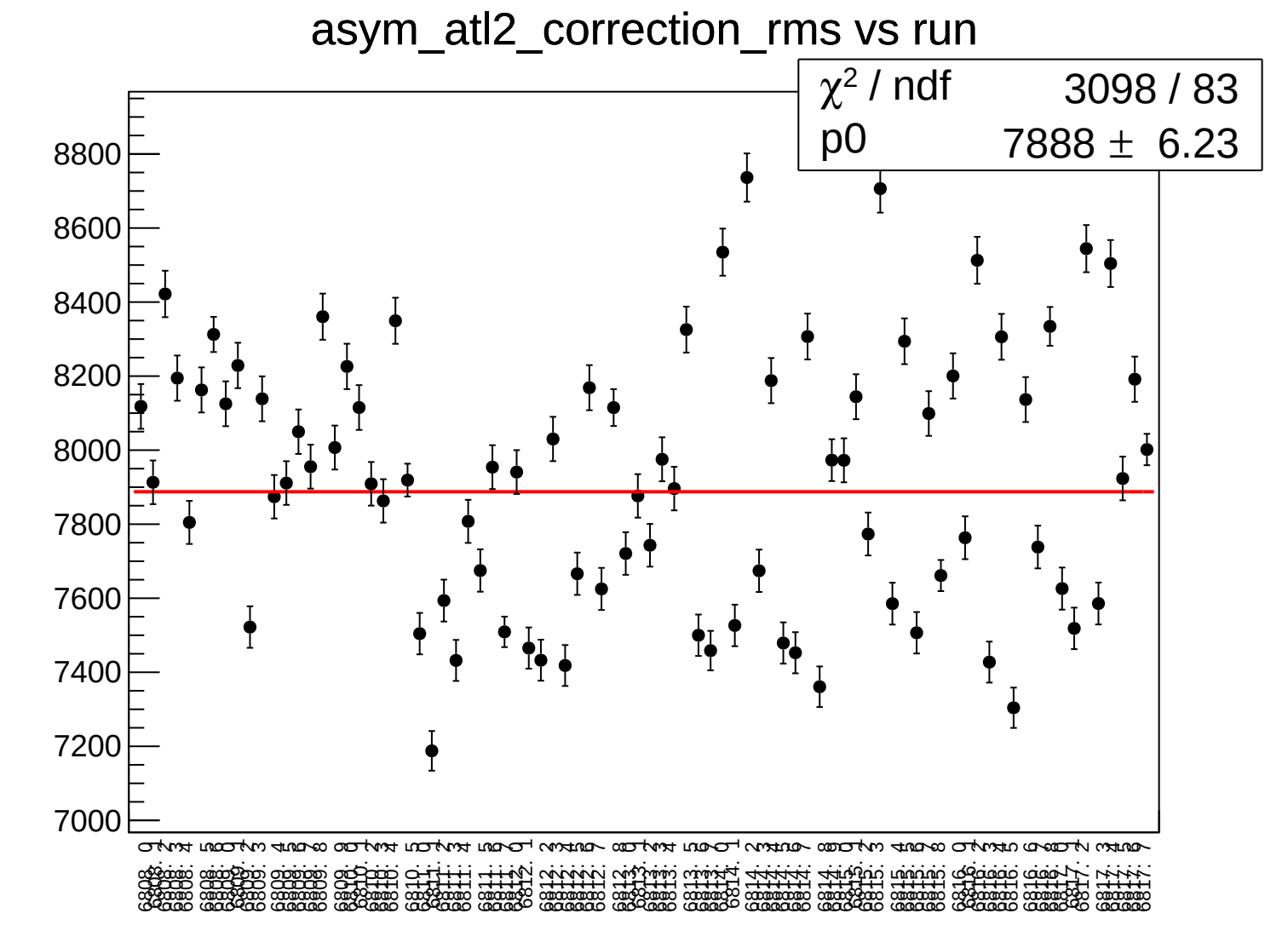

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 112.7 / 83
p0 −3527 ± 2975
pull
Entries 84
Mean 9.371
Std Dev 99.44

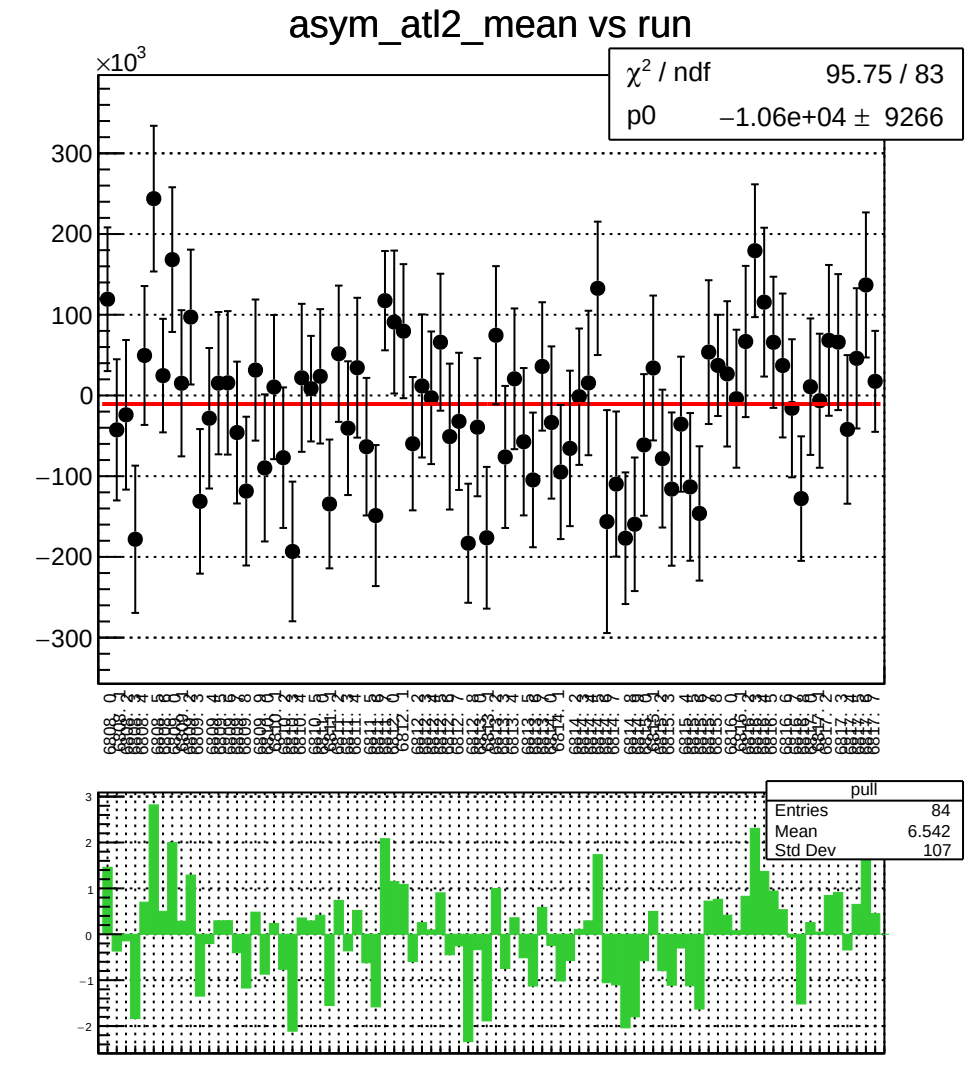

pull1D
Entries 84
Mean −0.02362
Std Dev 1.158

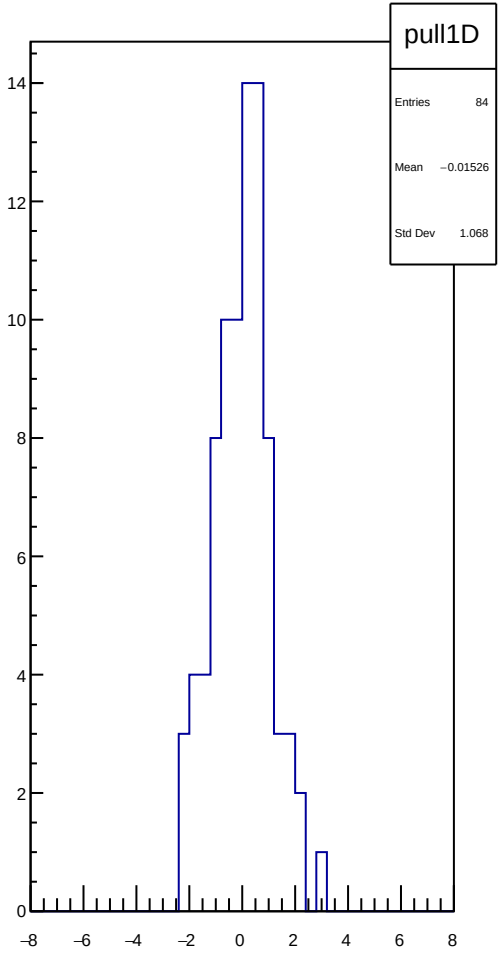

dit_asym_atl2_rms vs run
χ² / ndf 1.044e+04 / 83
p0 2657 ± 2.103
10000
8000
6000
4000
2000

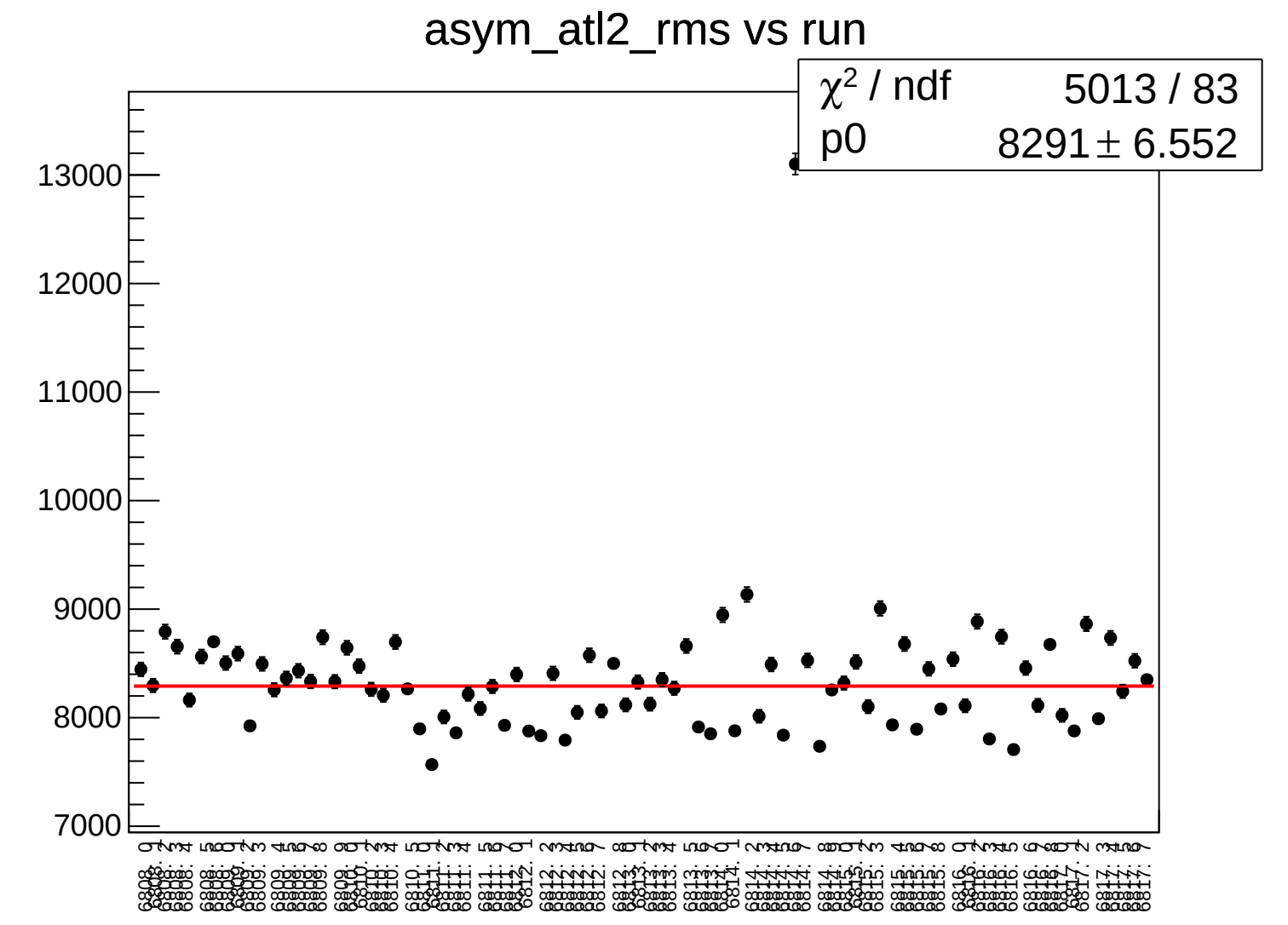

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 83.65 / 83
p0 6541 ± 8810
300
200
100
0
−100
−200
−300
pull
Entries 84
Mean −17.46
Std Dev 128.8
2
1
0
−1
−2

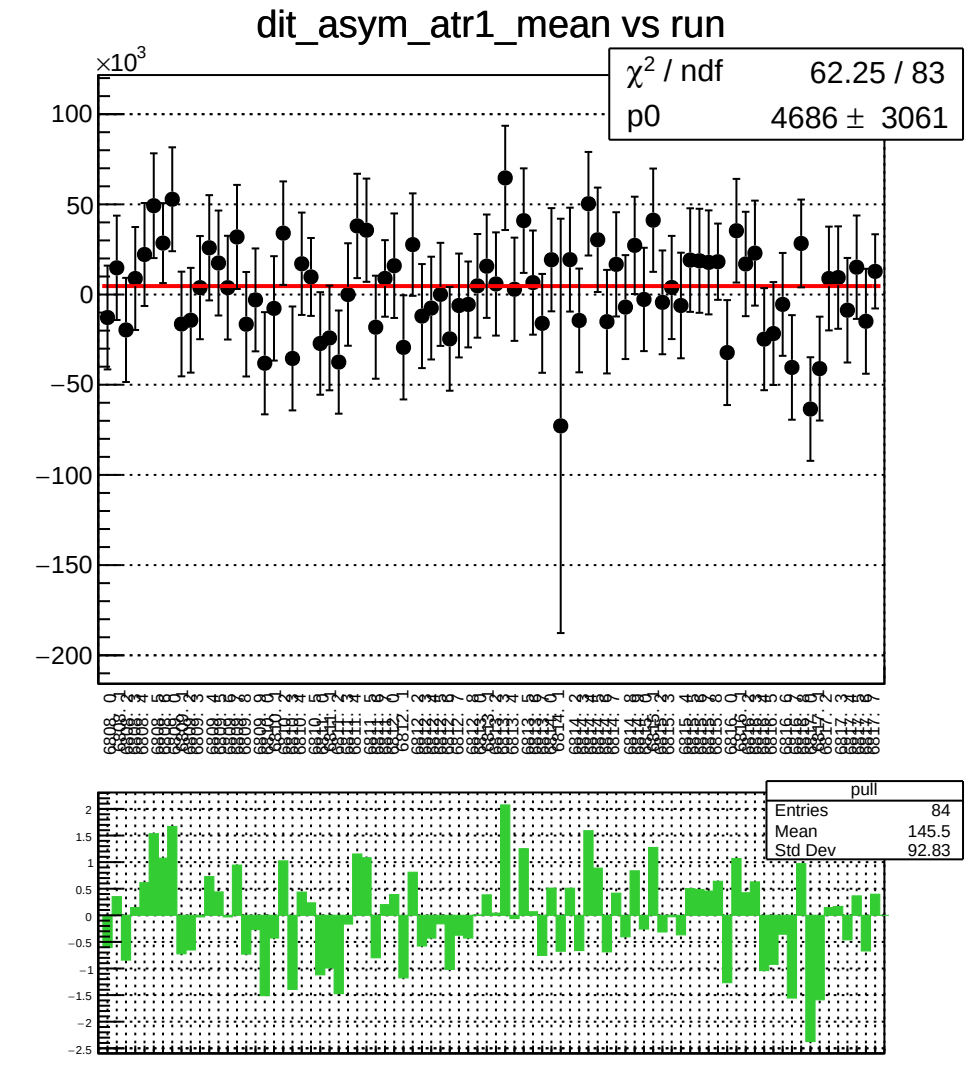

pull1D
Entries 84
Mean 0.006938
Std Dev 0.9979
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

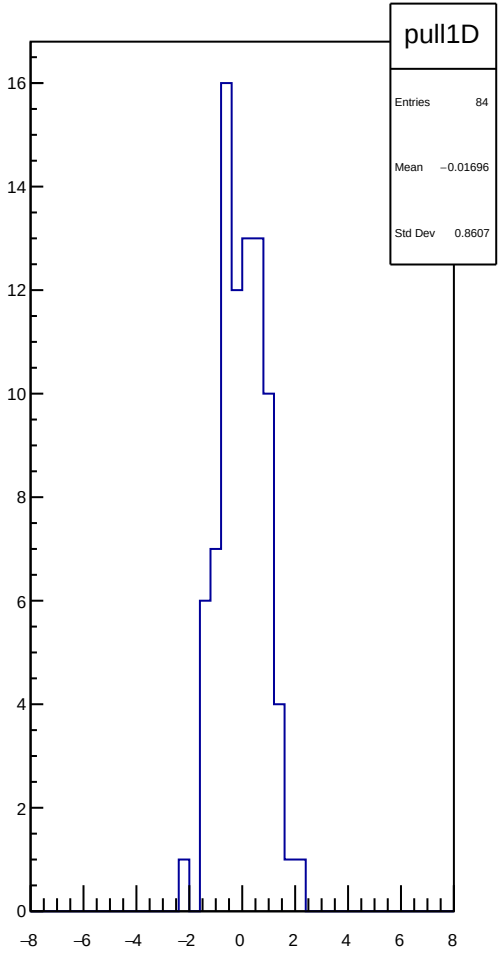

asym_atl2_correction_rms vs run
χ² / ndf 3098 / 83
p0 7888 ± 6.23
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000

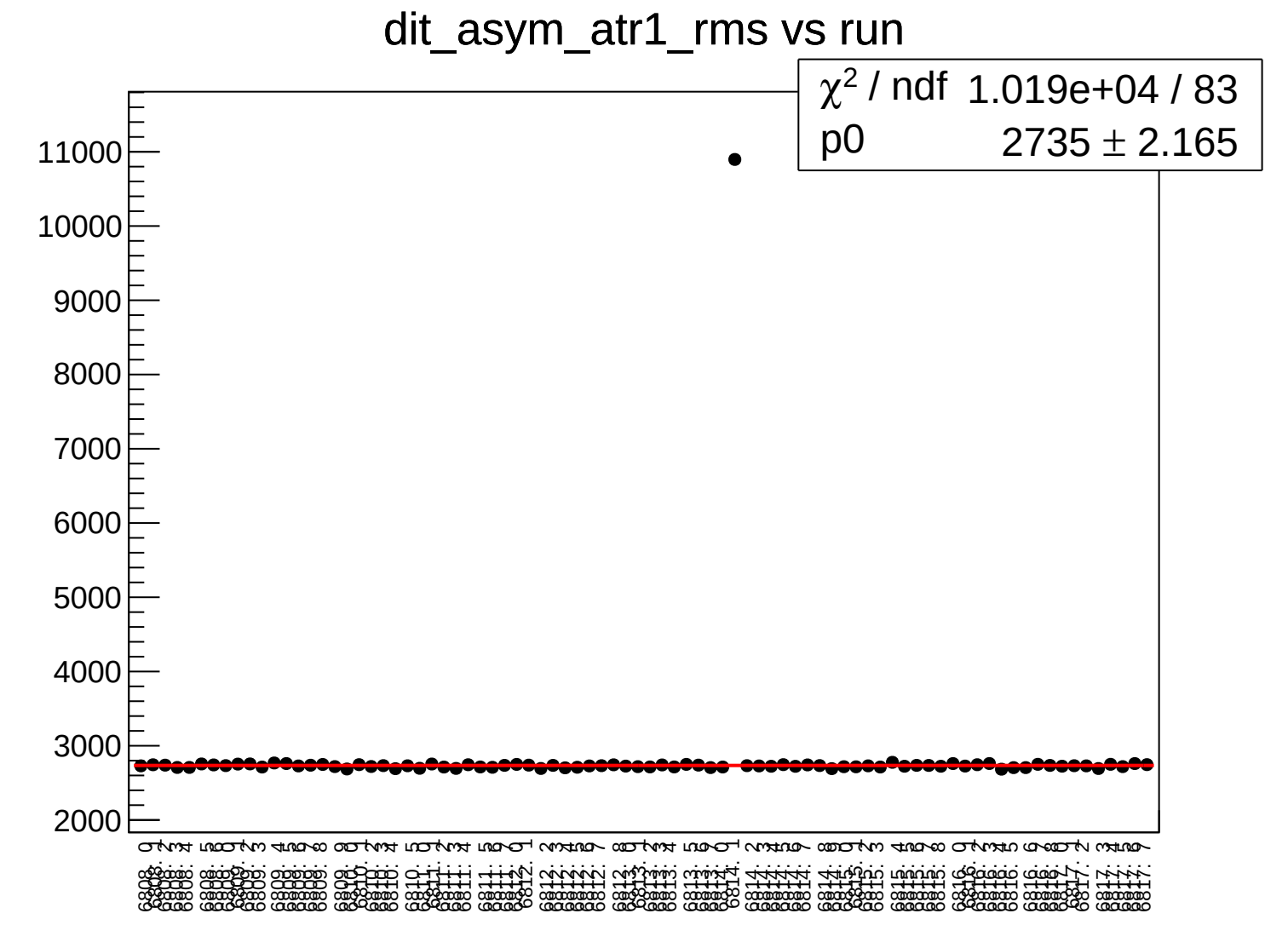

asym_atl2_mean vs run
×10^3
χ² / ndf 95.75 / 83
p0 −1.06e+04 ± 9266
300
200
100
0
−100
−200
−300
pull
Entries 84
Mean 6.542
Std Dev 107
3
2
1
0
−1
−2

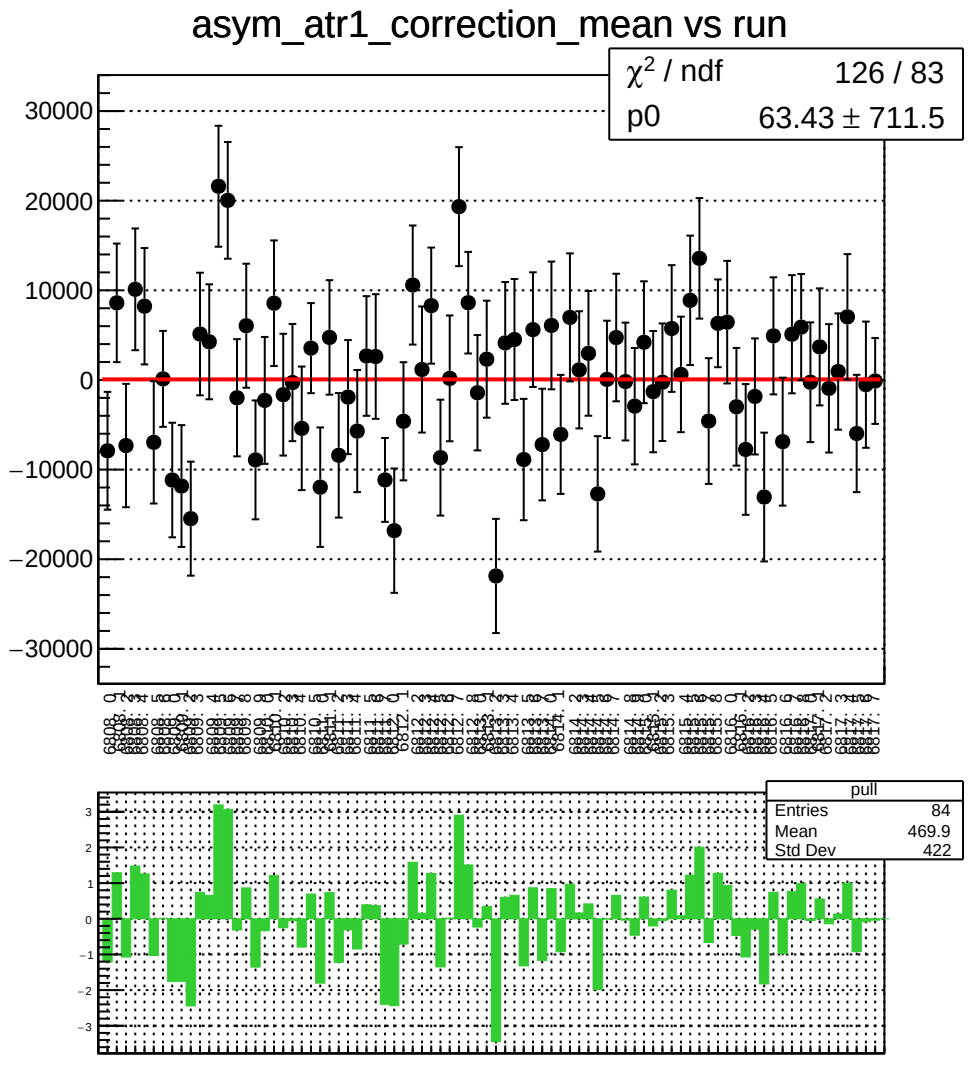

pull1D
Entries 84
Mean −0.01526
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

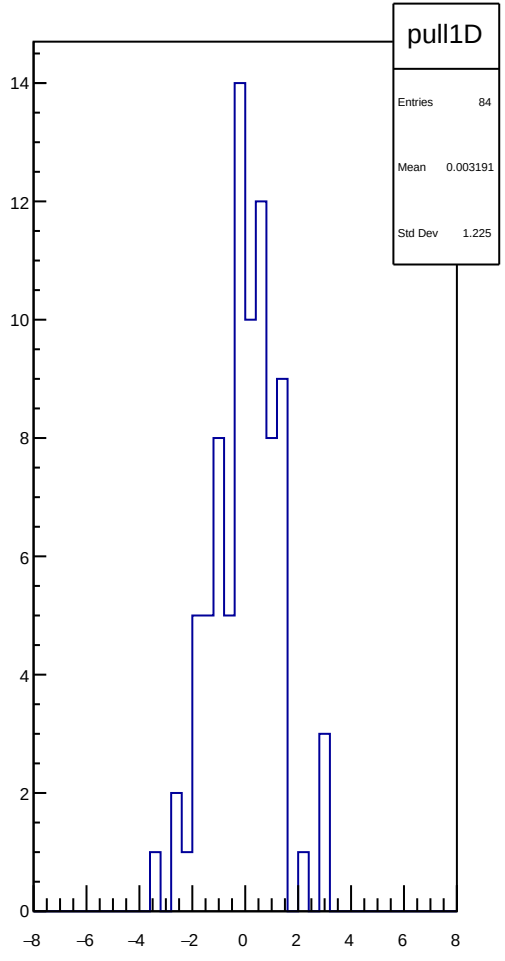

asym_atl2_rms vs run
χ² / ndf 5013 / 83
p0 8291 ± 6.552
13000
12000
11000
10000
9000
8000
7000

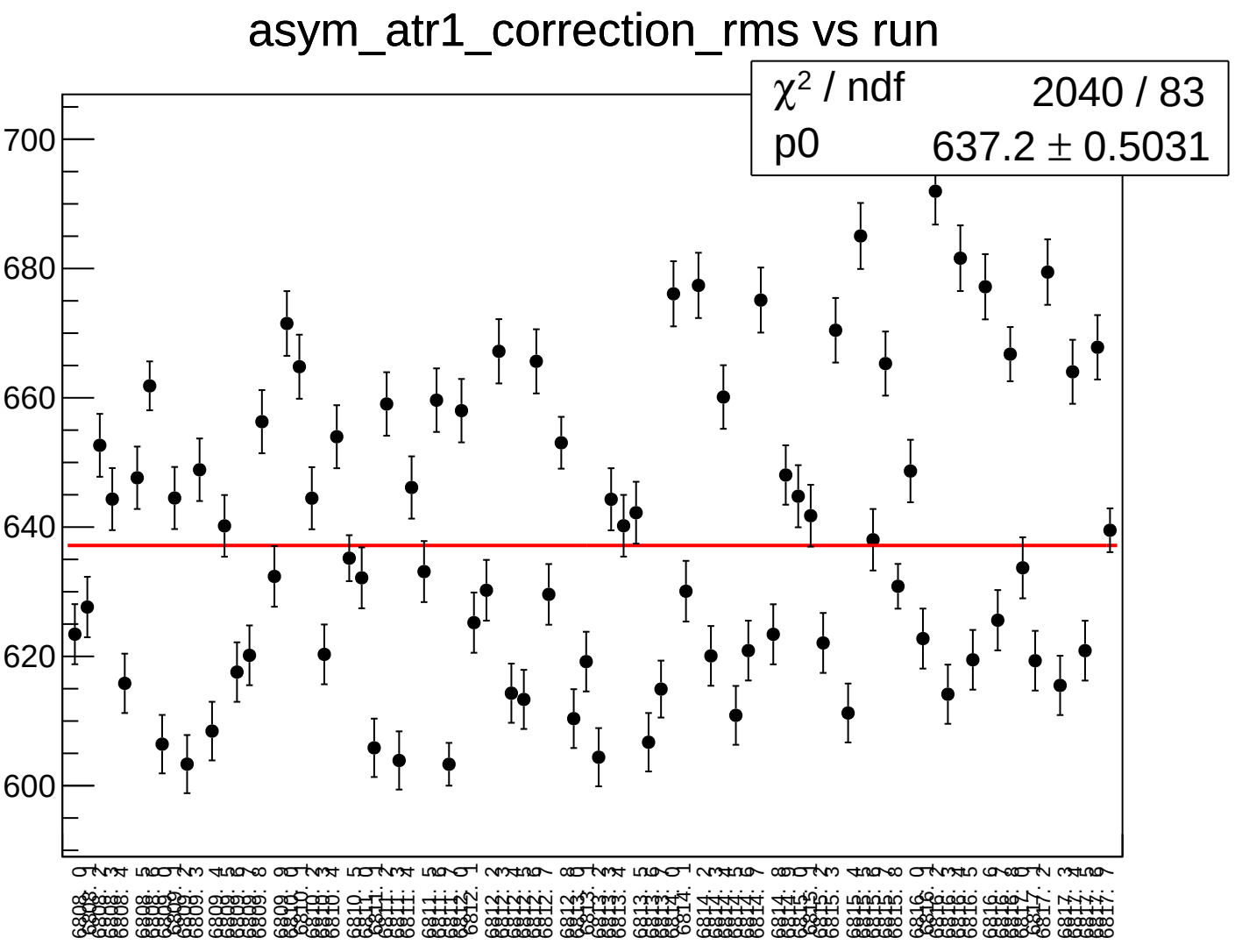

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 62.25 / 83
p0 4686 ± 3061
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 145.5
Std Dev 92.83
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

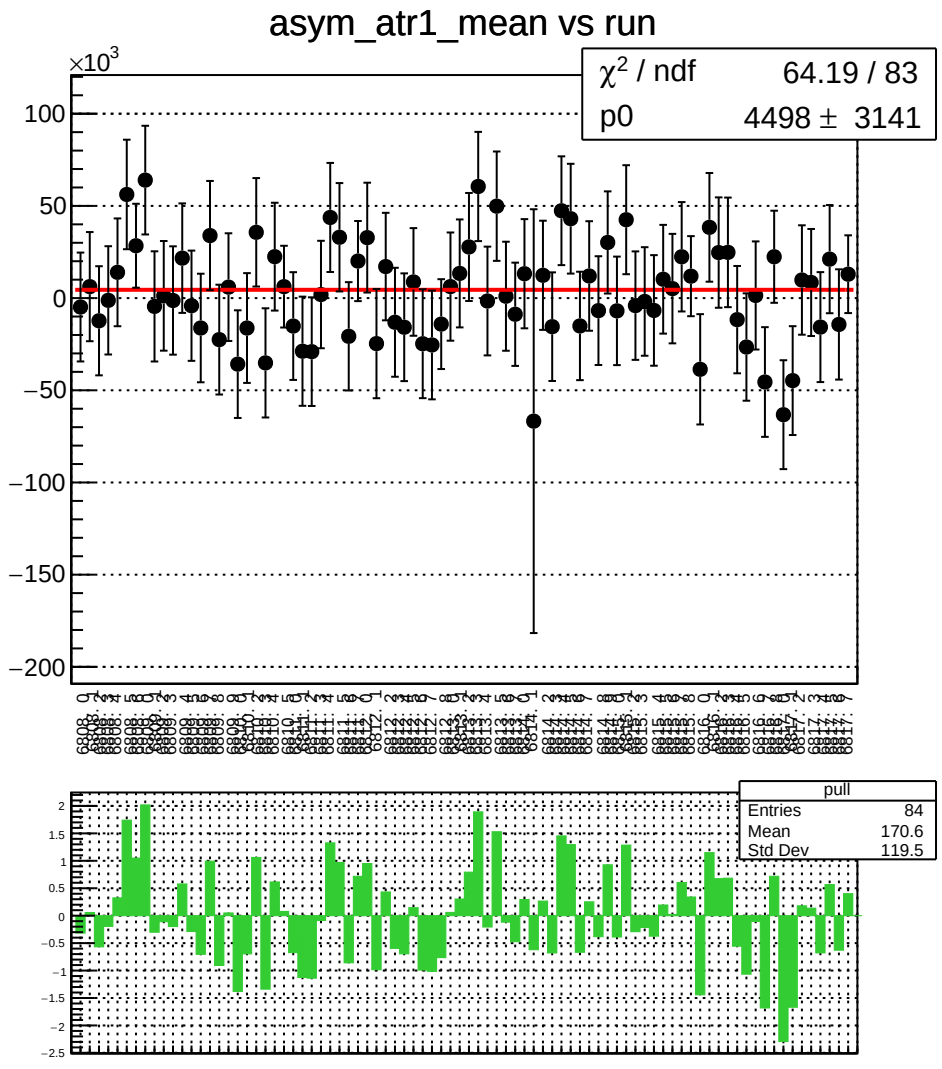

pull1D
Entries 84
Mean −0.01696
Std Dev 0.8607
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

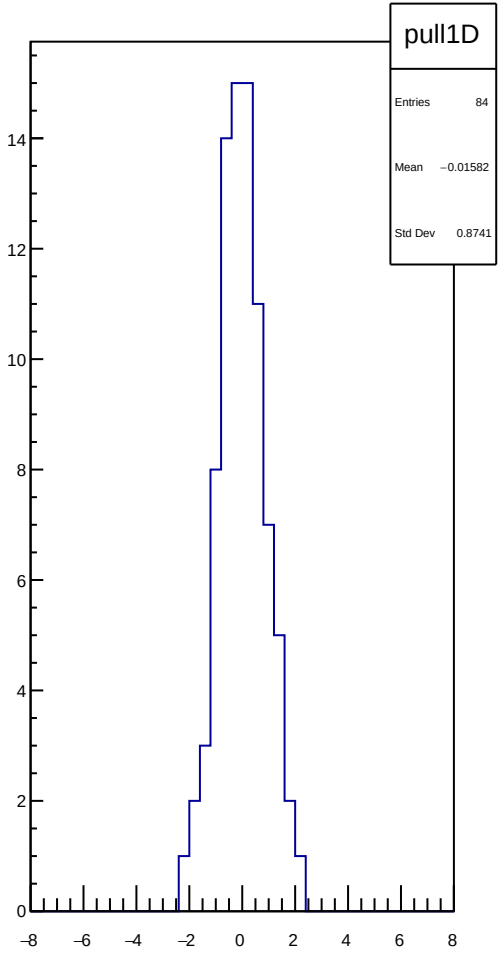

dit_asym_atr1_rms vs run
χ^2 / ndf 1.019e+04 / 83
p0 2735 ± 2.165
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

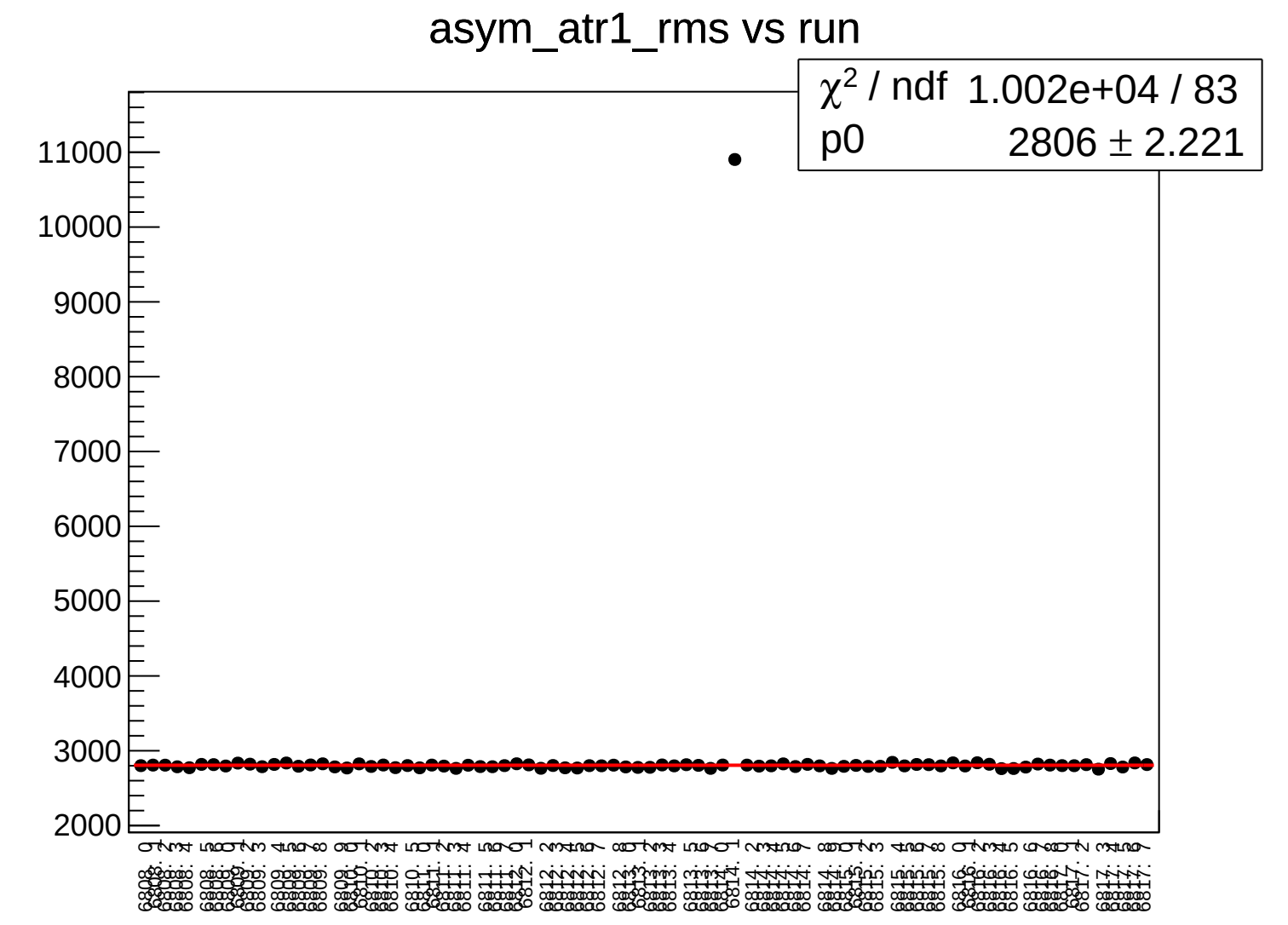

asym_atr1_correction_mean vs run
χ² / ndf 126 / 83
p0 63.43 ± 711.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 469.9
Std Dev 422
3
2
1
0
−1
−2
−3

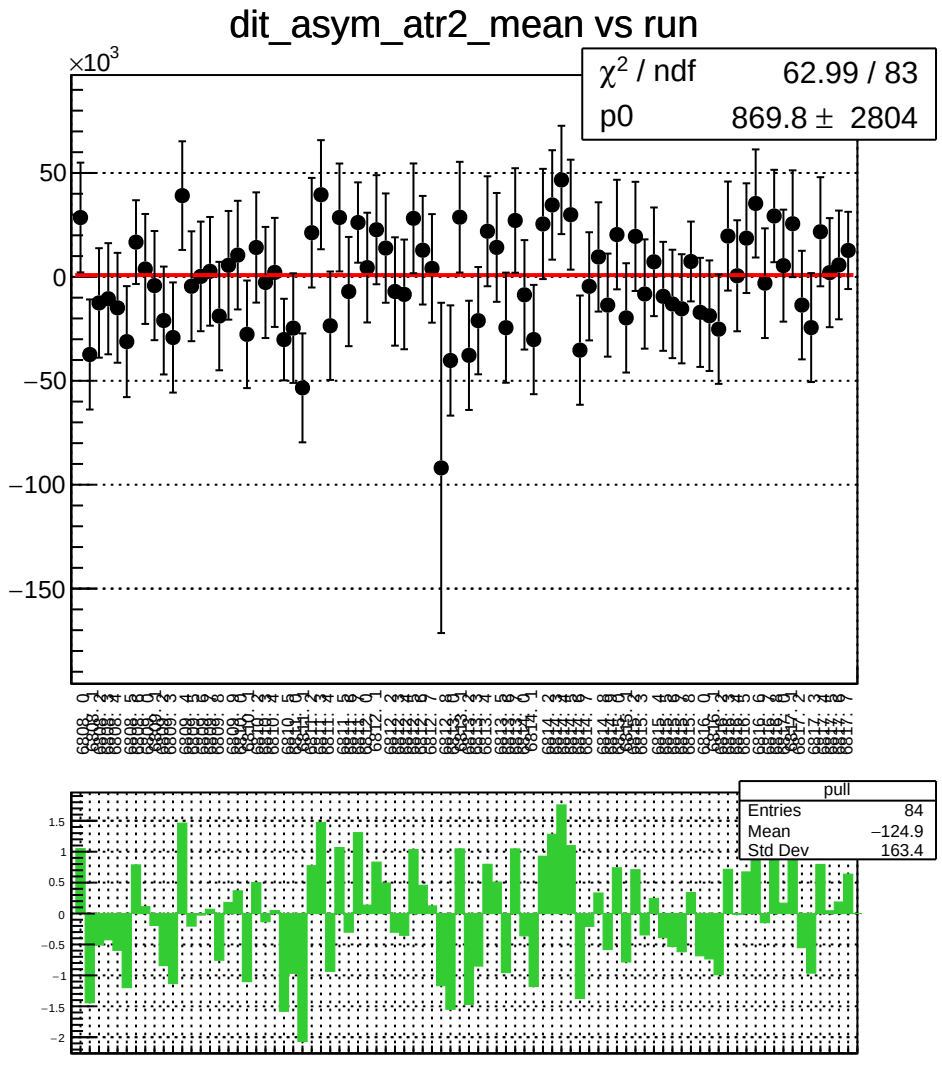

pull1D
Entries 84
Mean 0.003191
Std Dev 1.225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

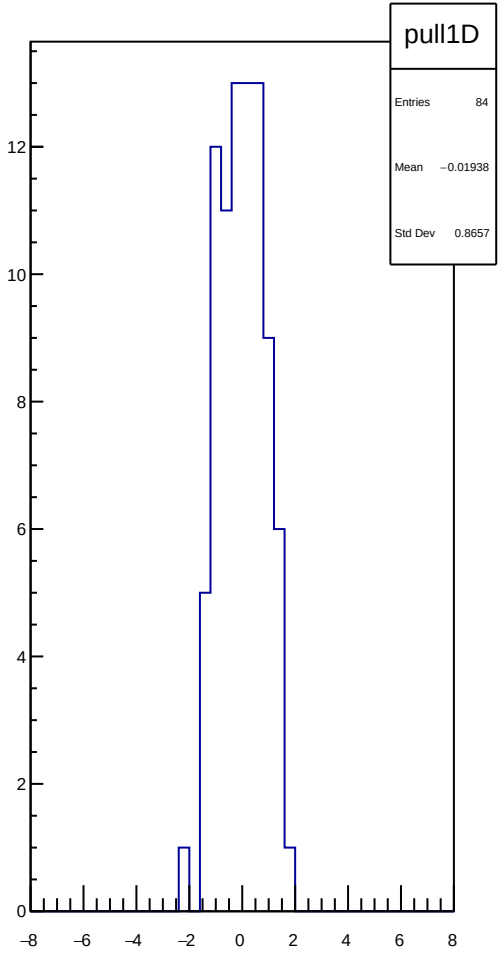

asym_atr1_correction_rms vs run
χ² / ndf 2040 / 83
p0 637.2 ± 0.5031
700
680
660
640
620
600

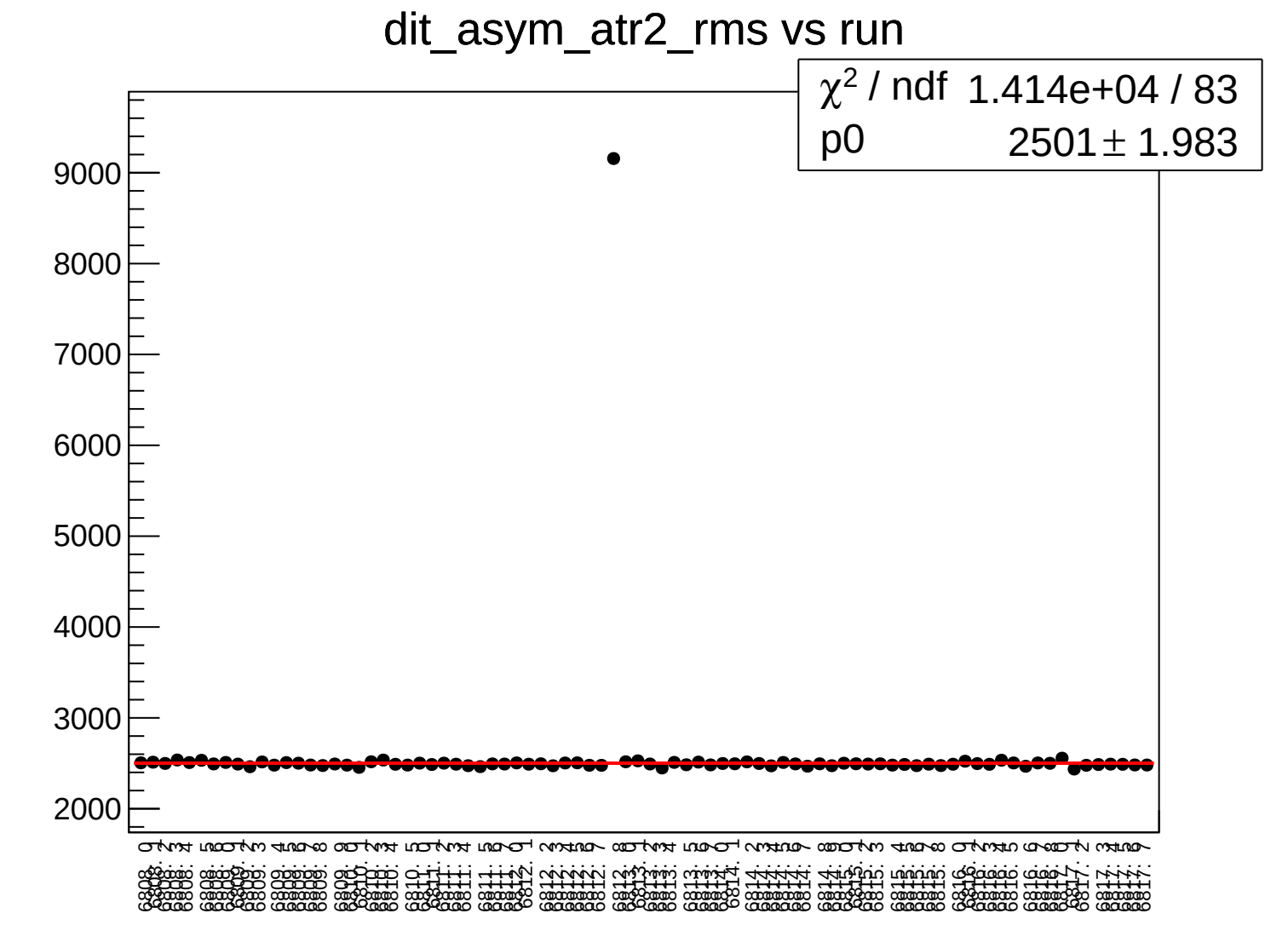

asym_atr1_mean vs run
×10^3
χ^2 / ndf 64.19 / 83
p0 4498 ± 3141
pull
Entries 84
Mean 170.6
Std Dev 119.5

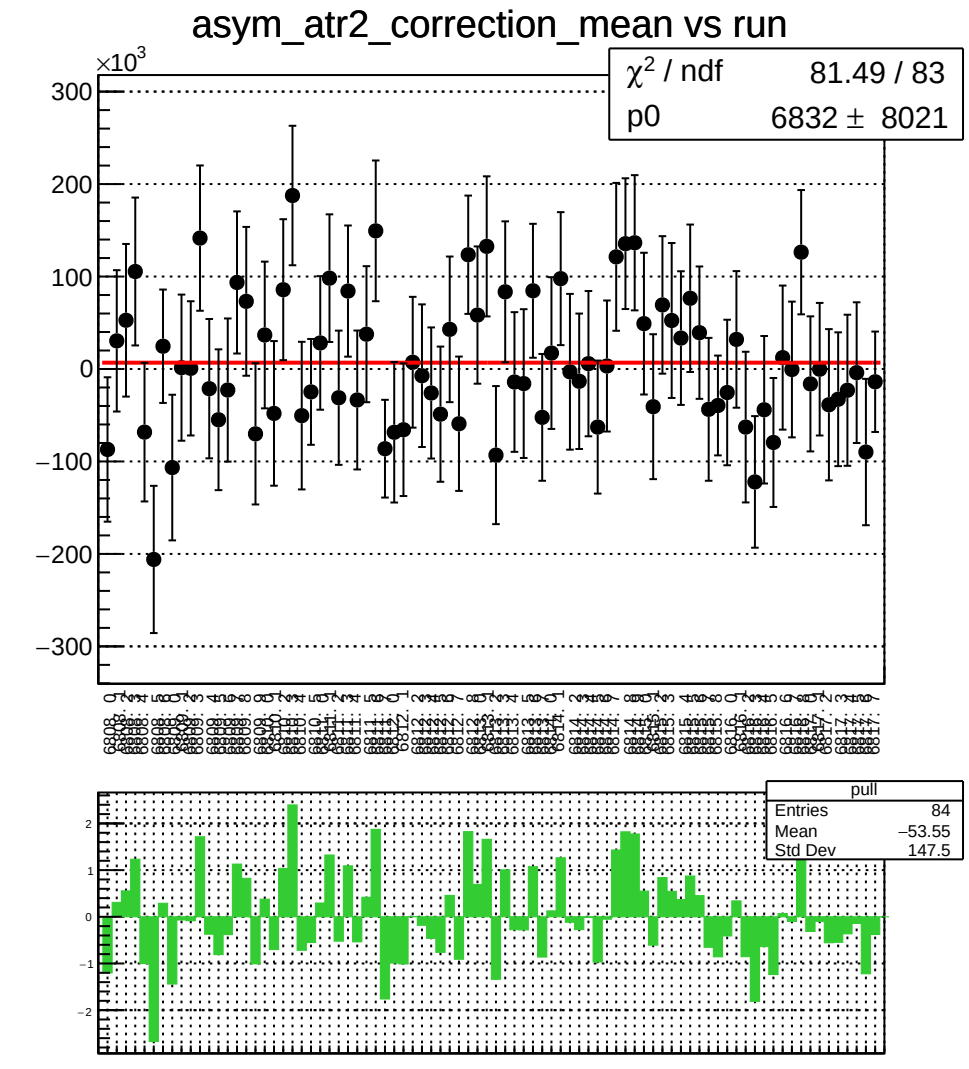

pull1D
Entries 84
Mean −0.01582
Std Dev 0.8741

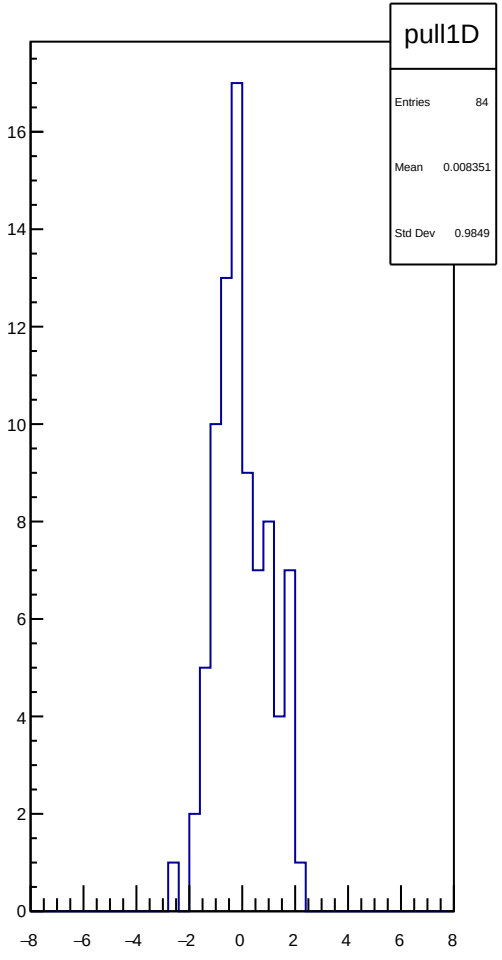

asym_atr1_rms vs run
χ² / ndf 1.002e+04 / 83
p0 2806 ± 2.221
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

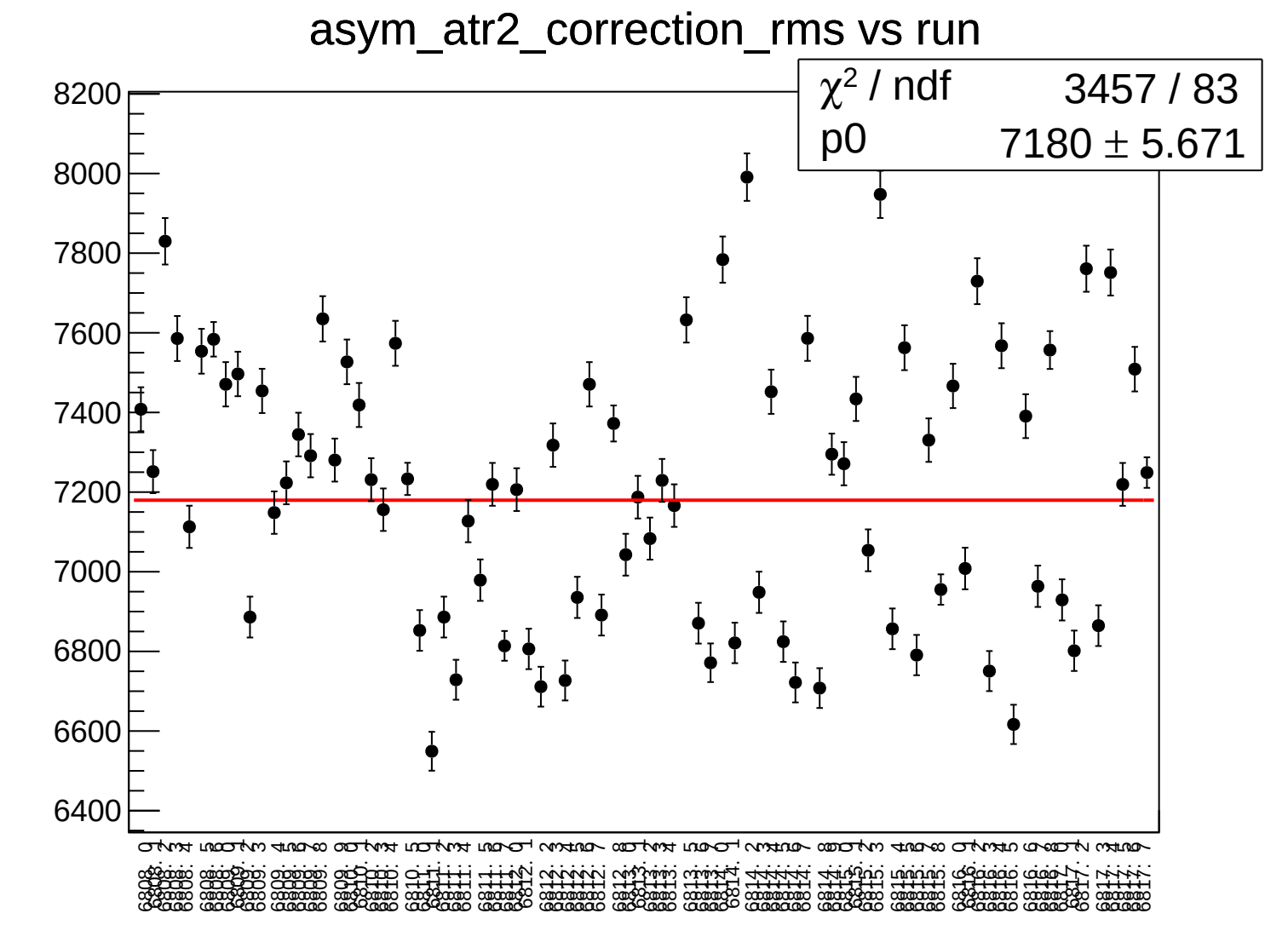

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 62.99 / 83
p0 869.8 ± 2804
50
0
−50
−100
−150
pull
Entries 84
Mean −124.9
Std Dev 163.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

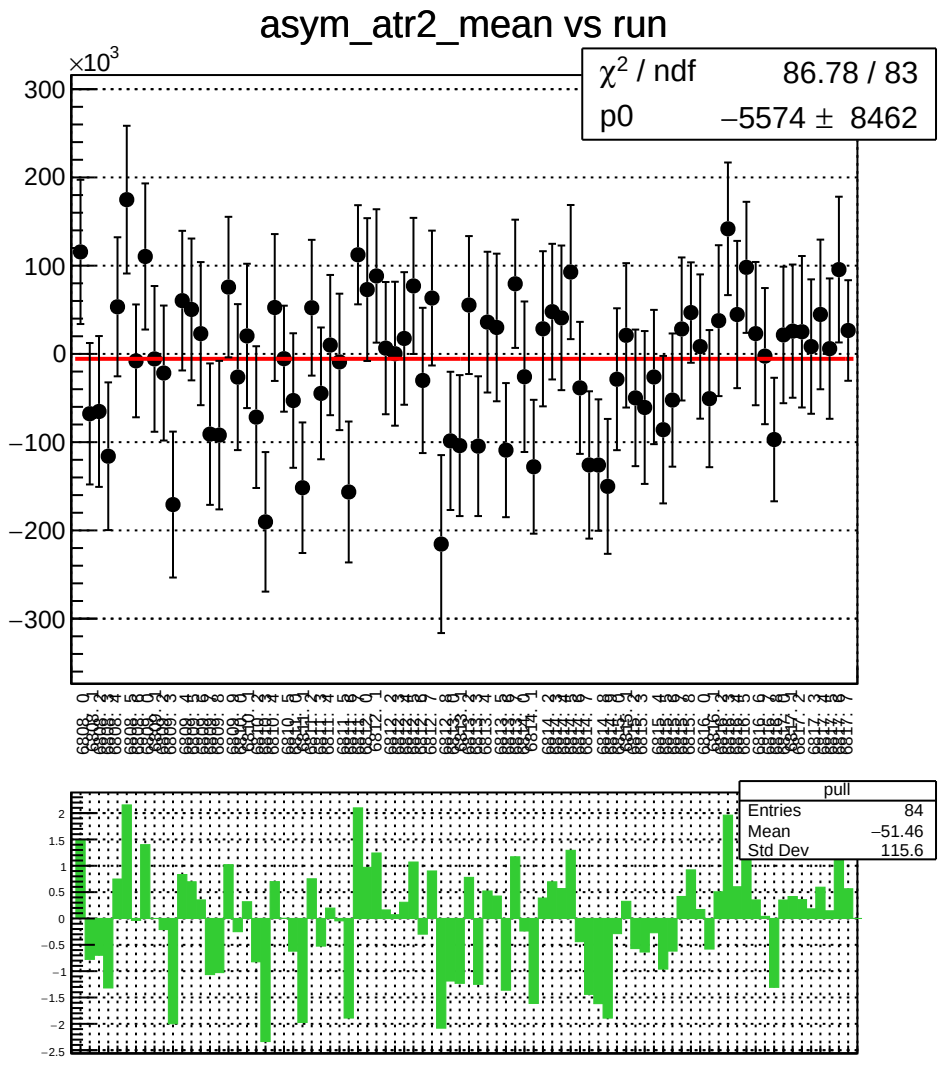

pull1D
Entries 84
Mean −0.01938
Std Dev 0.8657
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

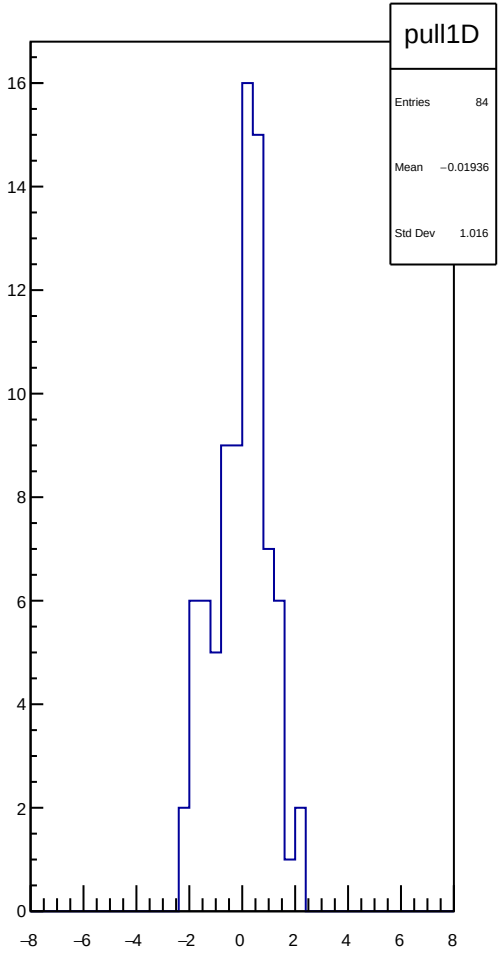

dit_asym_atr2_rms vs run
χ^2 / ndf 1.414e+04 / 83
p0 2501 ± 1.983
9000
8000
7000
6000
5000
4000
3000
2000

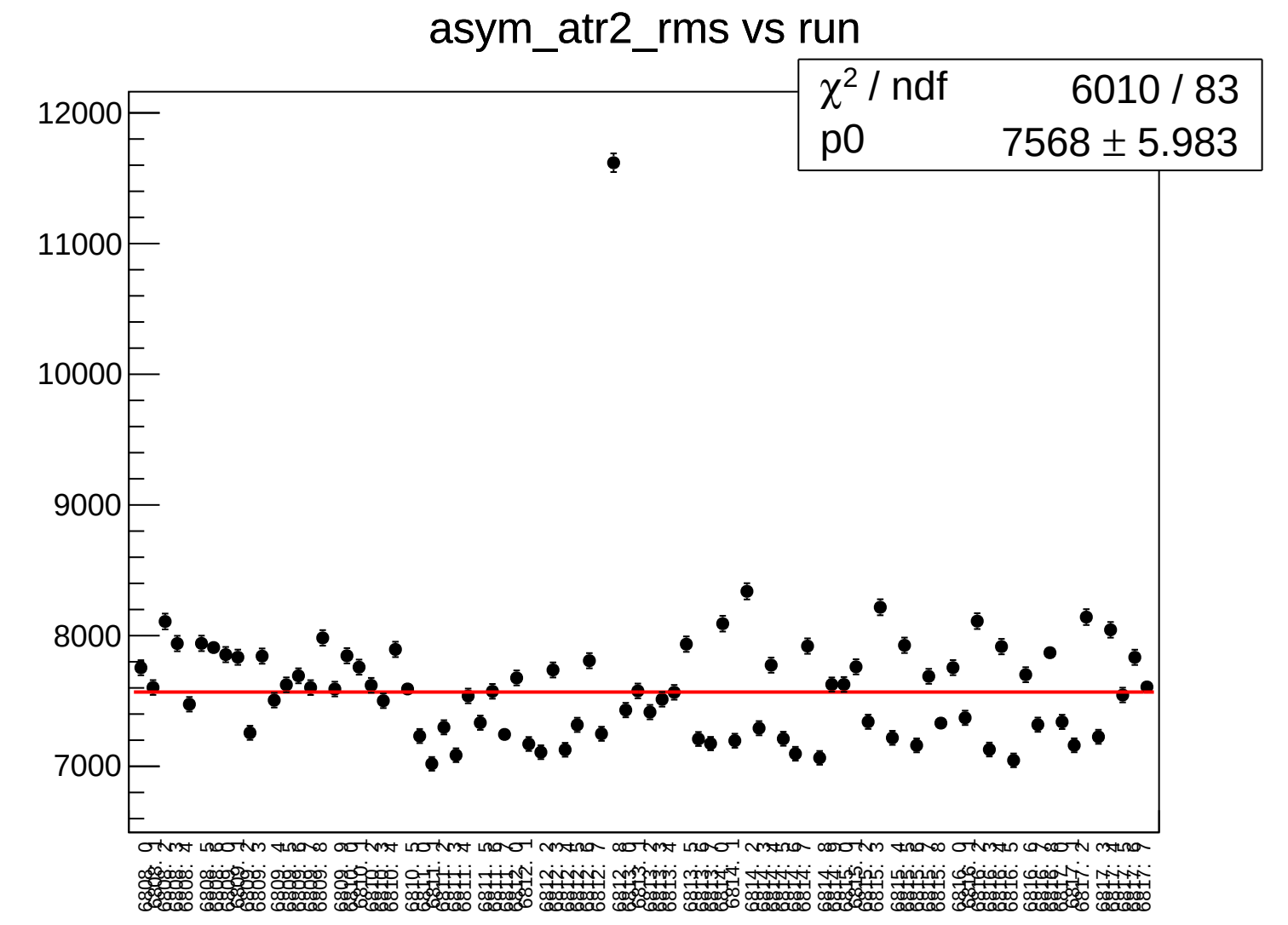

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 81.49 / 83
p0 6832 ± 8021
pull
Entries 84
Mean −53.55
Std Dev 147.5

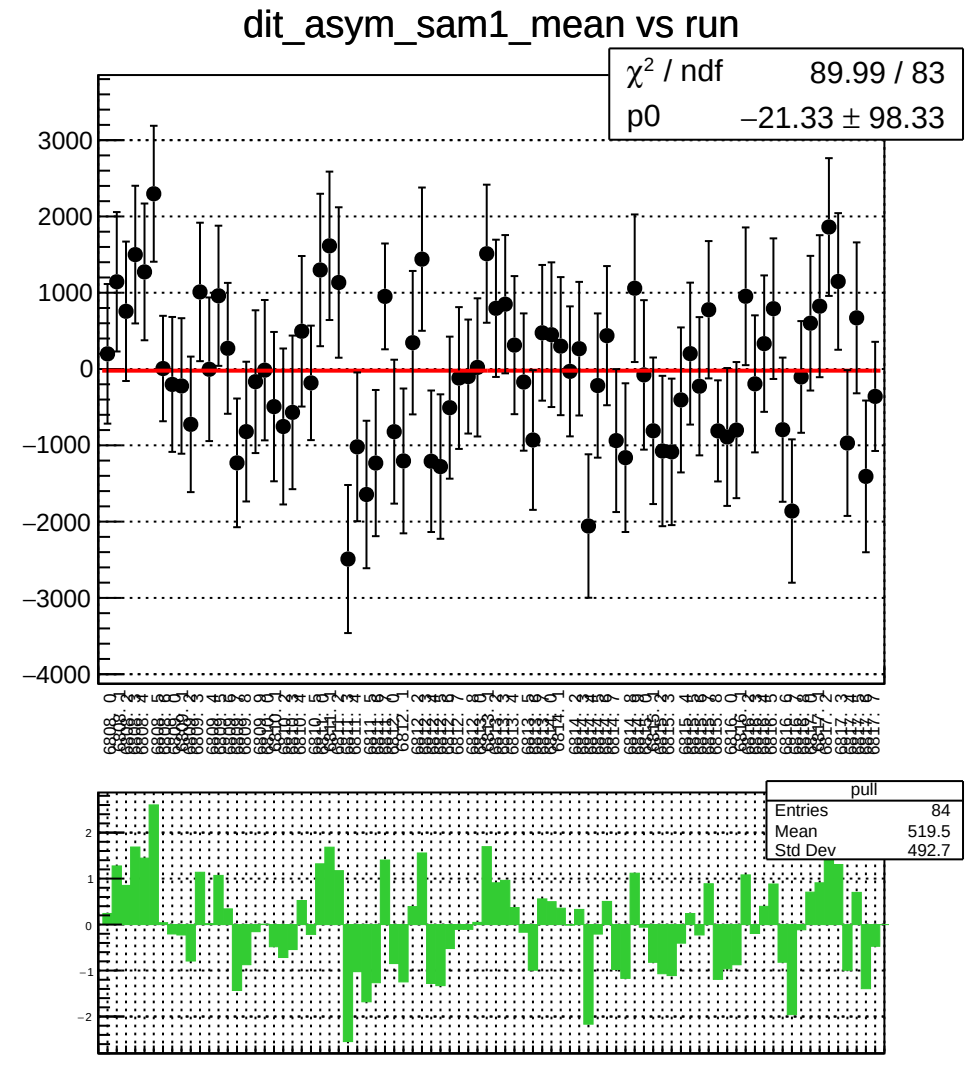

pull1D
Entries 84
Mean 0.008351
Std Dev 0.9849

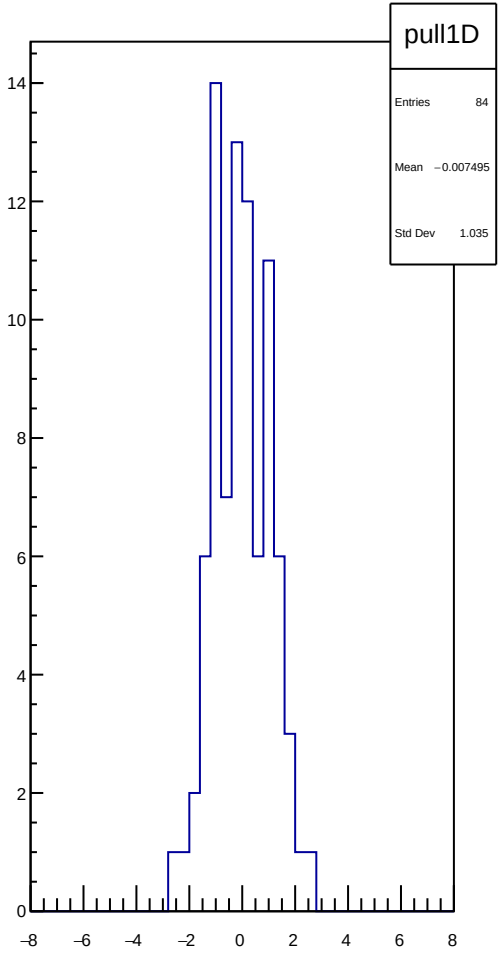

asym_atr2_correction_rms vs run
χ^2 / ndf 3457 / 83
p0 7180 ± 5.671
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

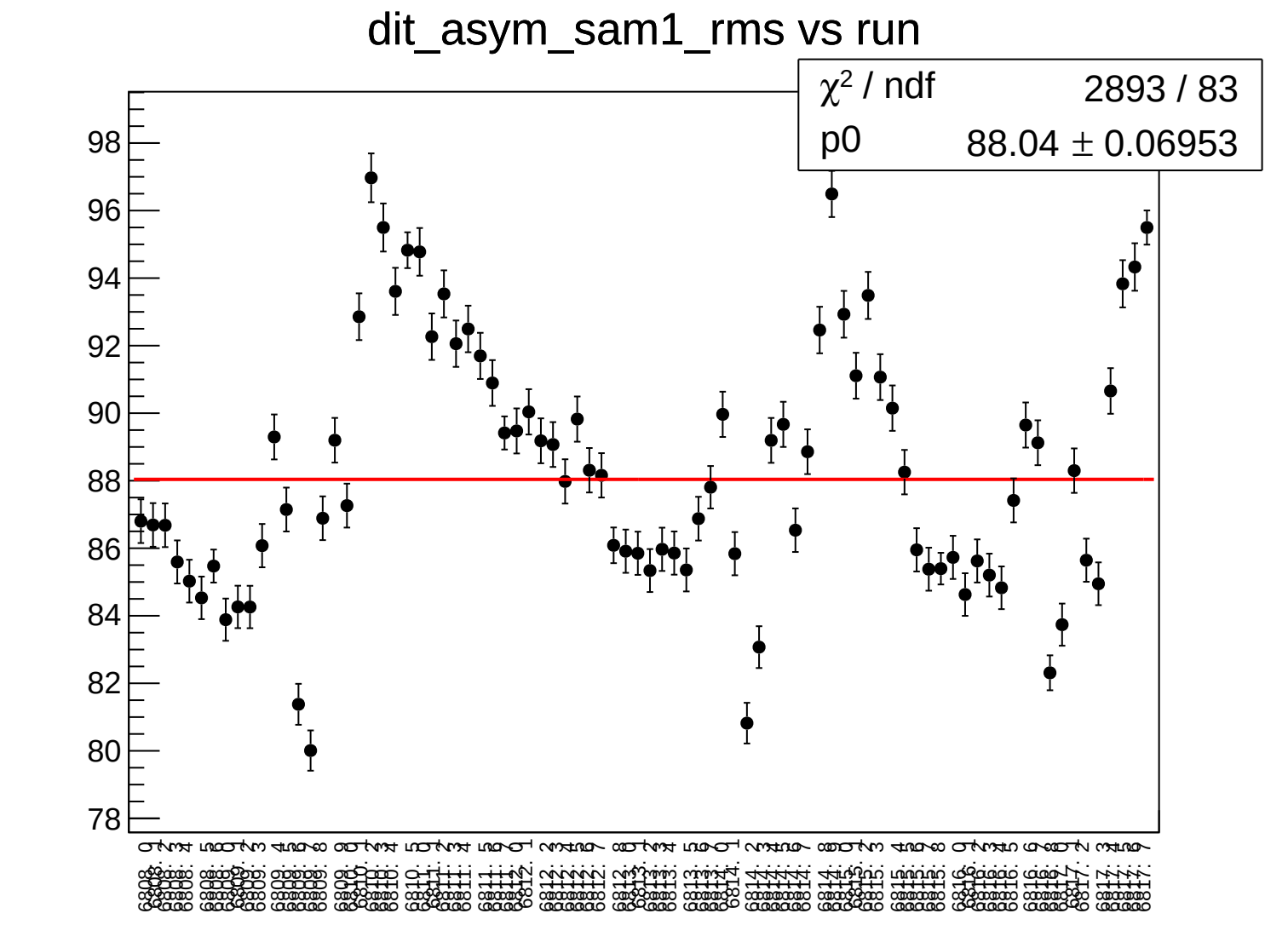

asym_atr2_mean vs run
×10^3
χ² / ndf 86.78 / 83
p0 −5574 ± 8462
pull
Entries 84
Mean −51.46
Std Dev 115.6

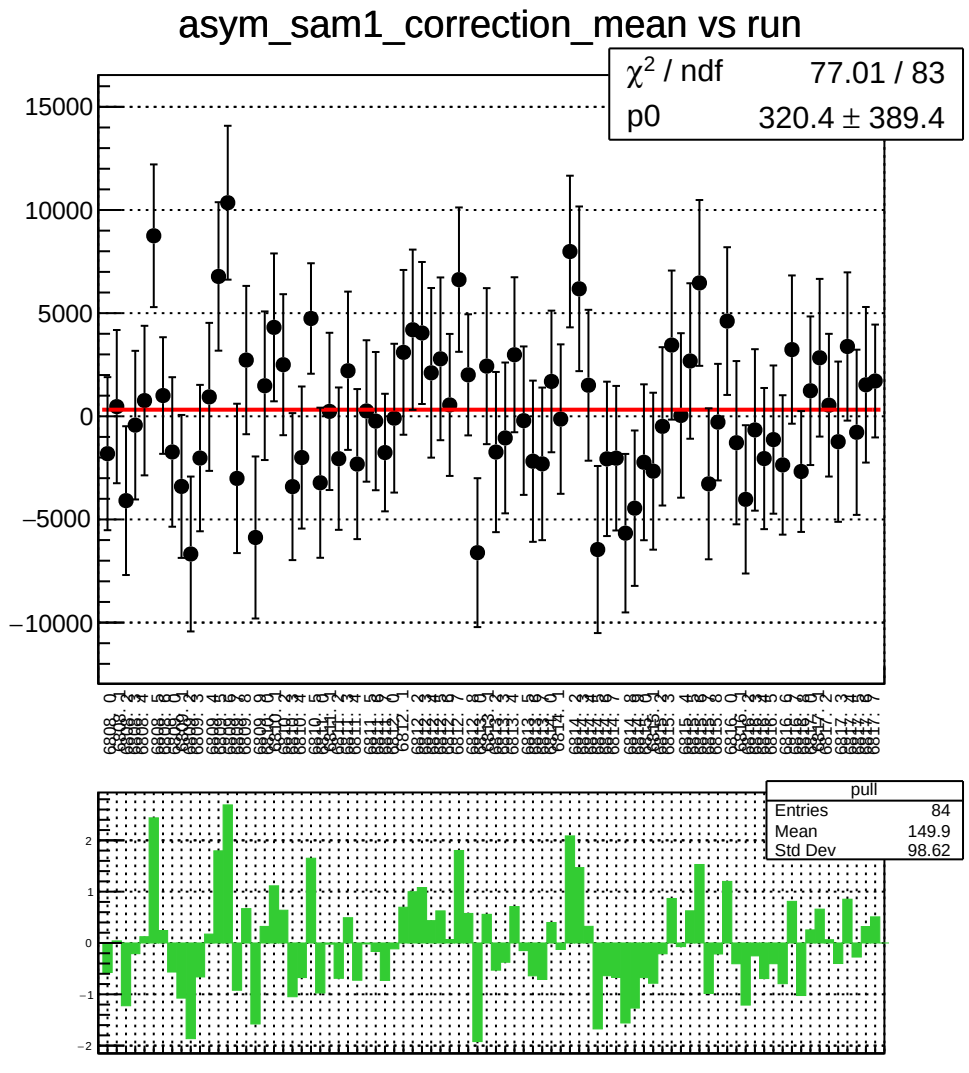

pull1D
Entries 84
Mean −0.01936
Std Dev 1.016

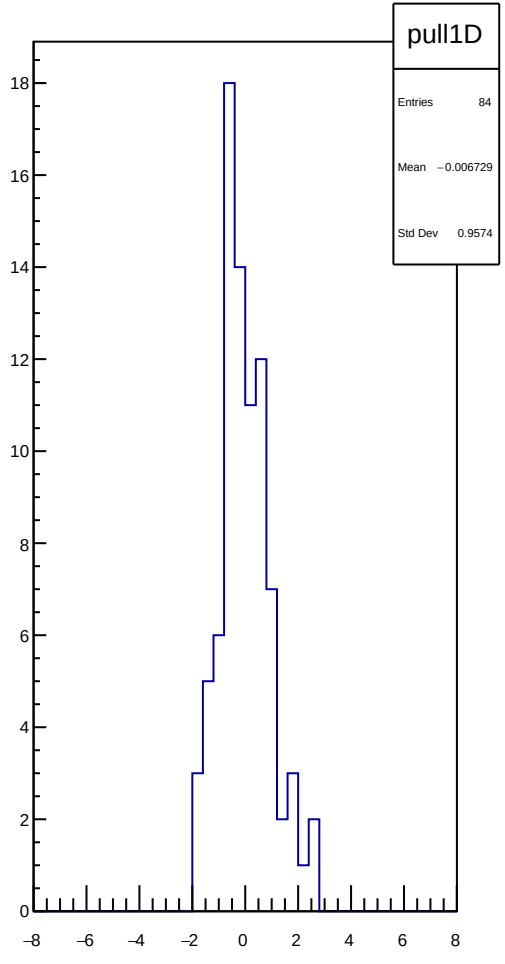

asym_atr2_rms vs run
χ^2 / ndf 6010 / 83
p0 7568 ± 5.983
12000
11000
10000
9000
8000
7000

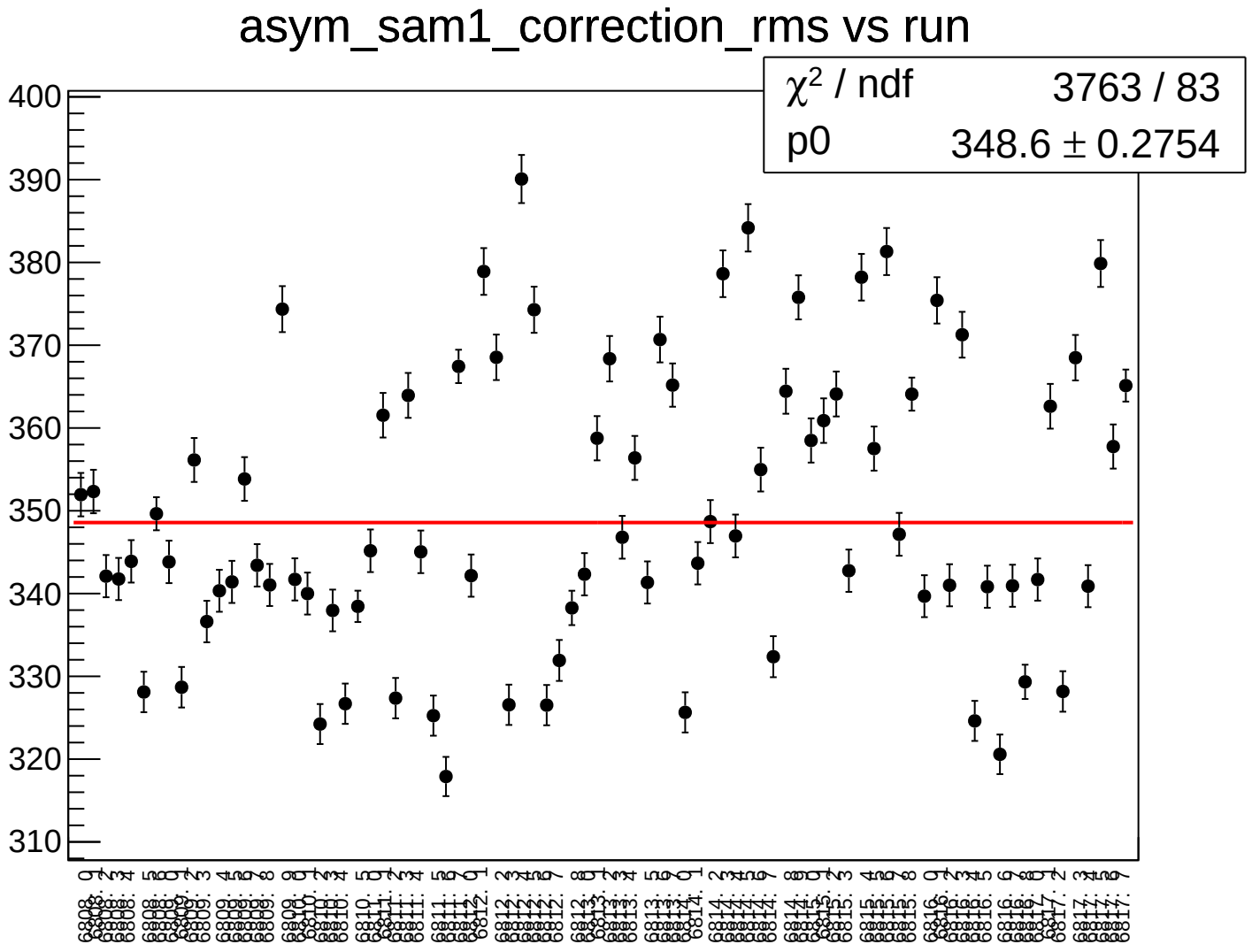

dit_asym_sam1_mean vs run
χ² / ndf 89.99 / 83
p0 −21.33 ± 98.33
pull
Entries 84
Mean 519.5
Std Dev 492.7

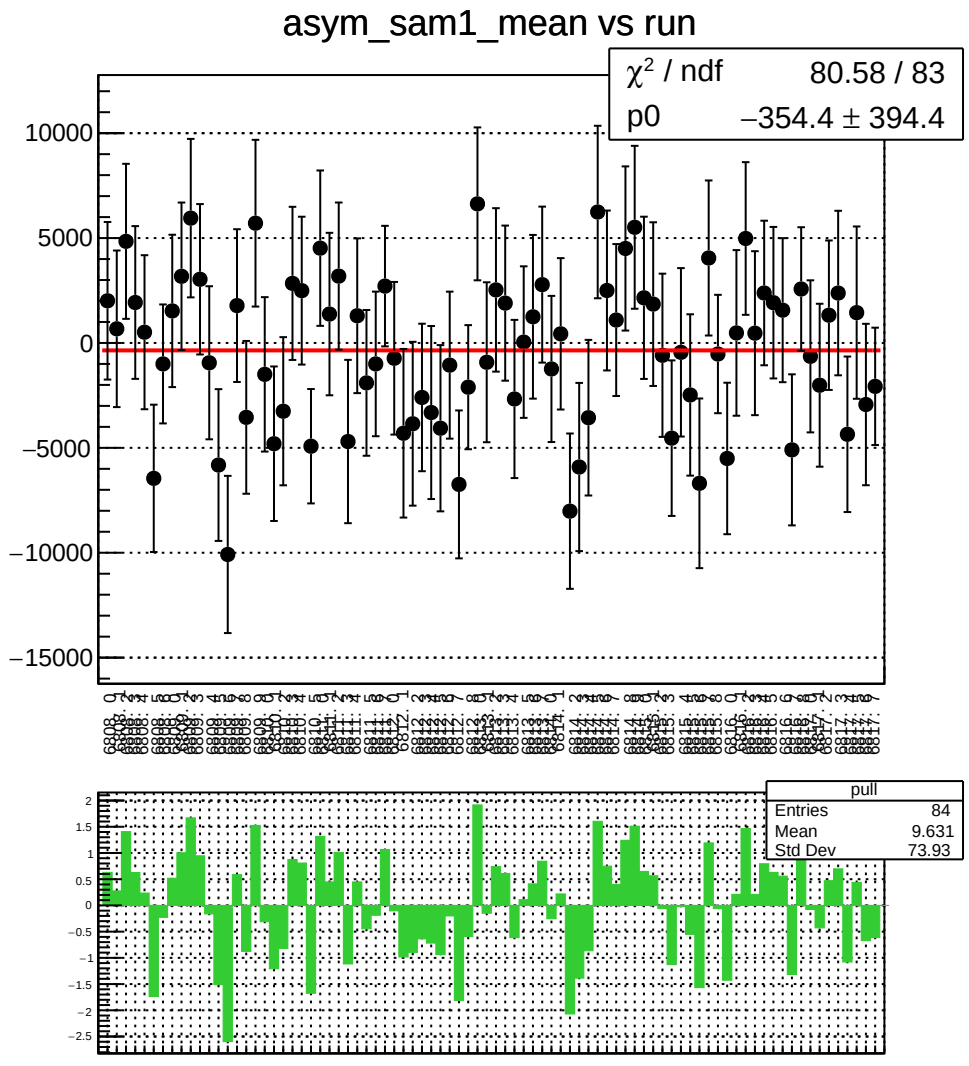

pull1D
Entries 84
Mean −0.007495
Std Dev 1.035

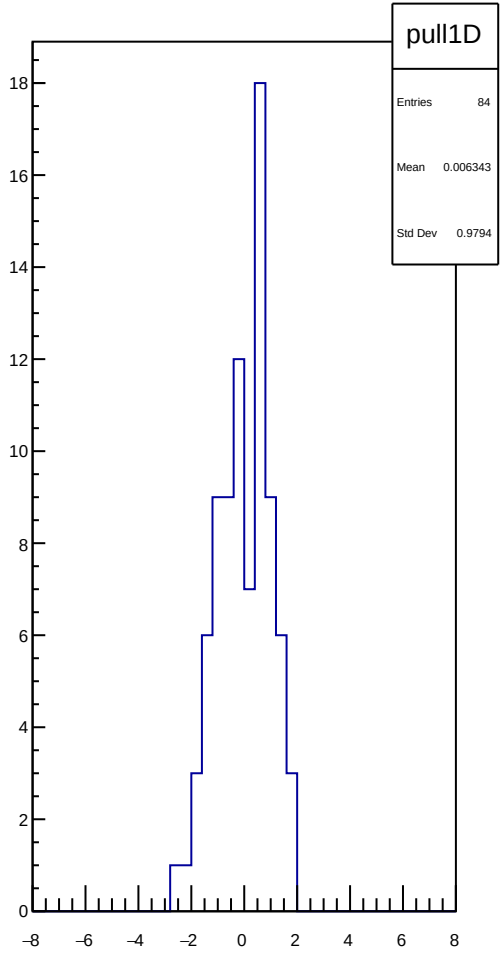

dit_asym_sam1_rms vs run
χ² / ndf 2893 / 83
p0 88.04 ± 0.06953
98
96
94
92
90
88
86
84
82
80
78

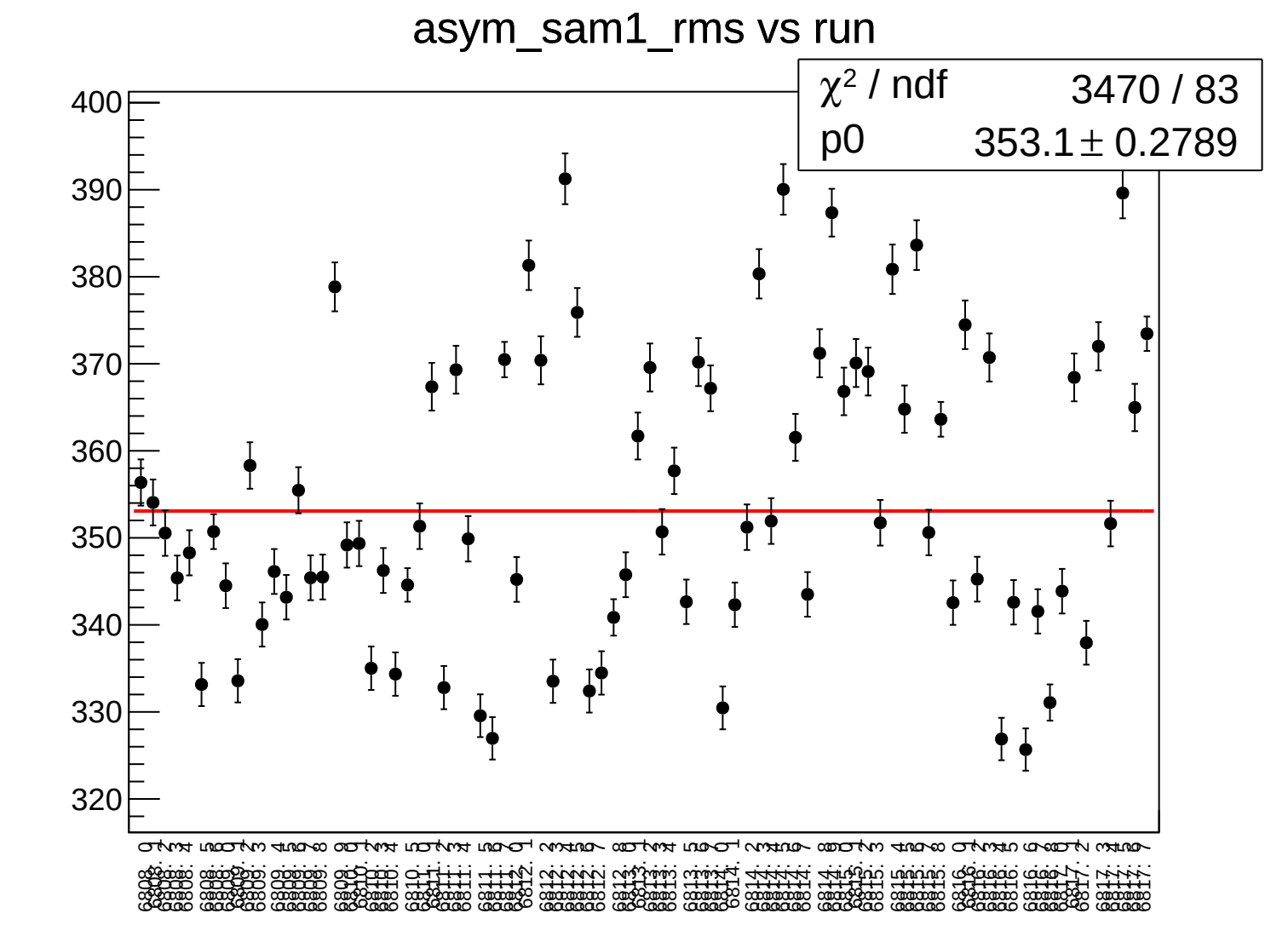

asym_sam1_correction_mean vs run
χ² / ndf 77.01 / 83
p0 320.4 ± 389.4
15000
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 149.9
Std Dev 98.62
2
1
0
−1
−2

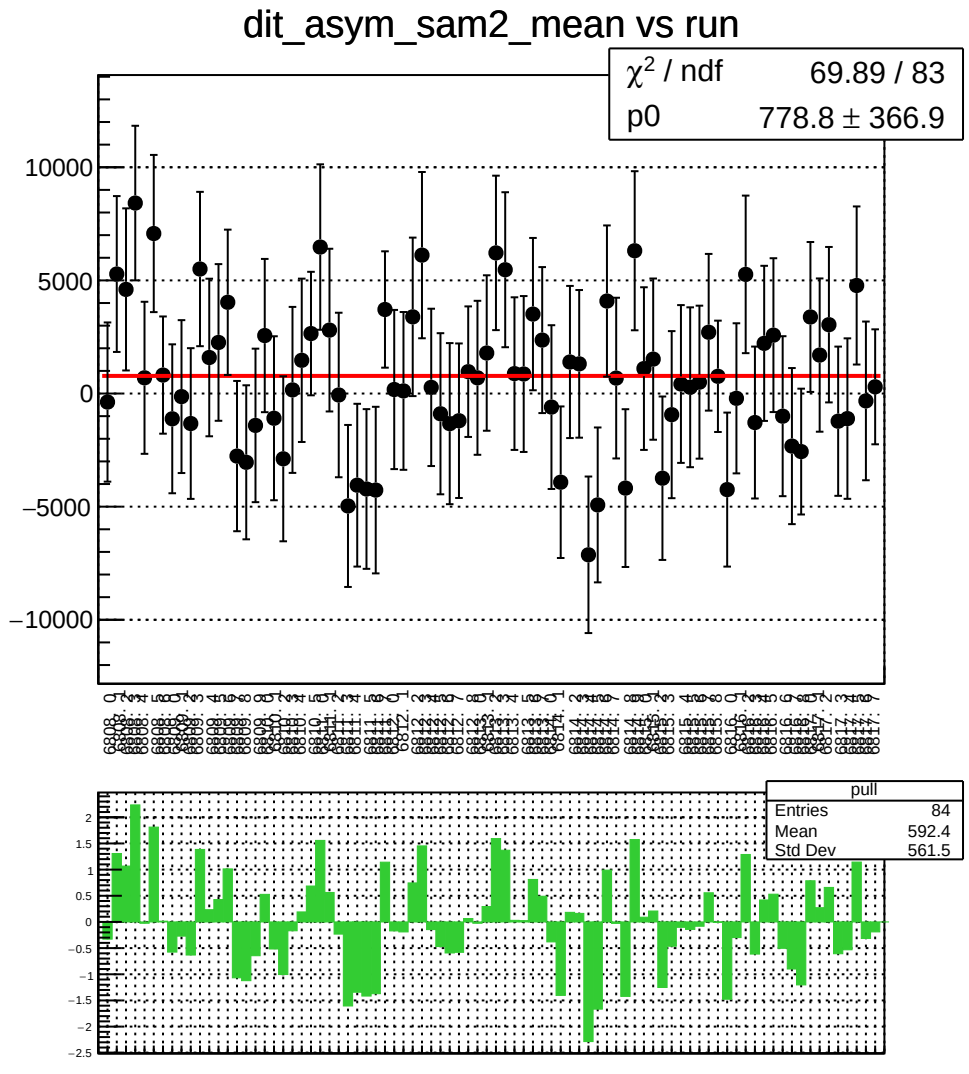

pull1D
Entries 84
Mean −0.006729
Std Dev 0.9574
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

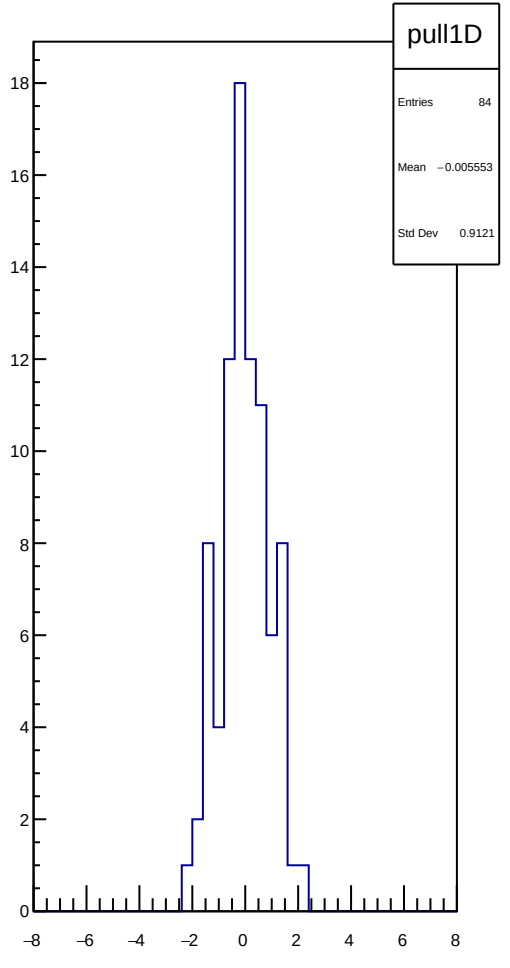

asym_sam1_correction_rms vs run
χ² / ndf 3763 / 83
p0 348.6 ± 0.2754
400
390
380
370
360
350
340
330
320
310

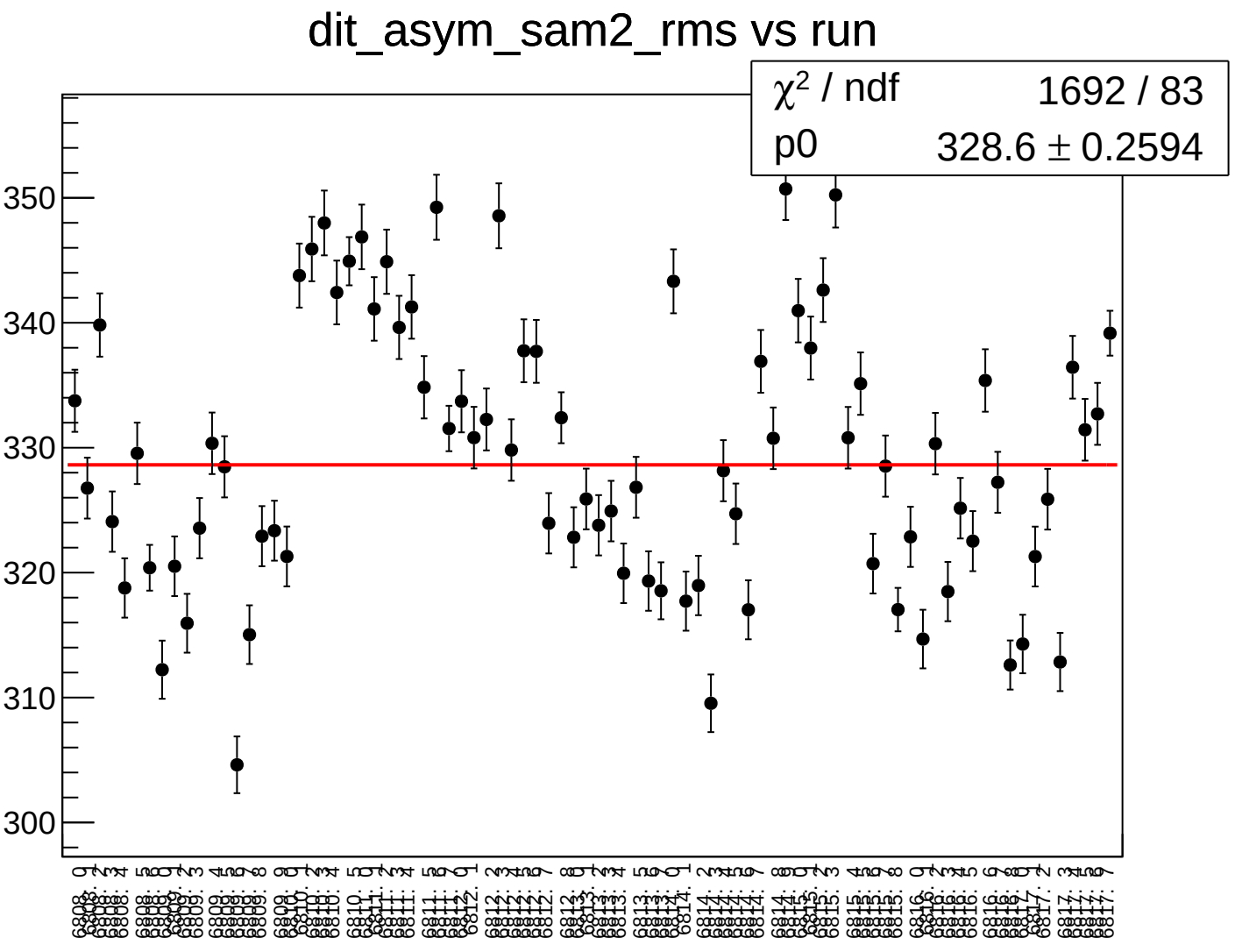

asym_sam1_mean vs run
χ² / ndf 80.58 / 83
p0 −354.4 ± 394.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 9.631
Std Dev 73.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

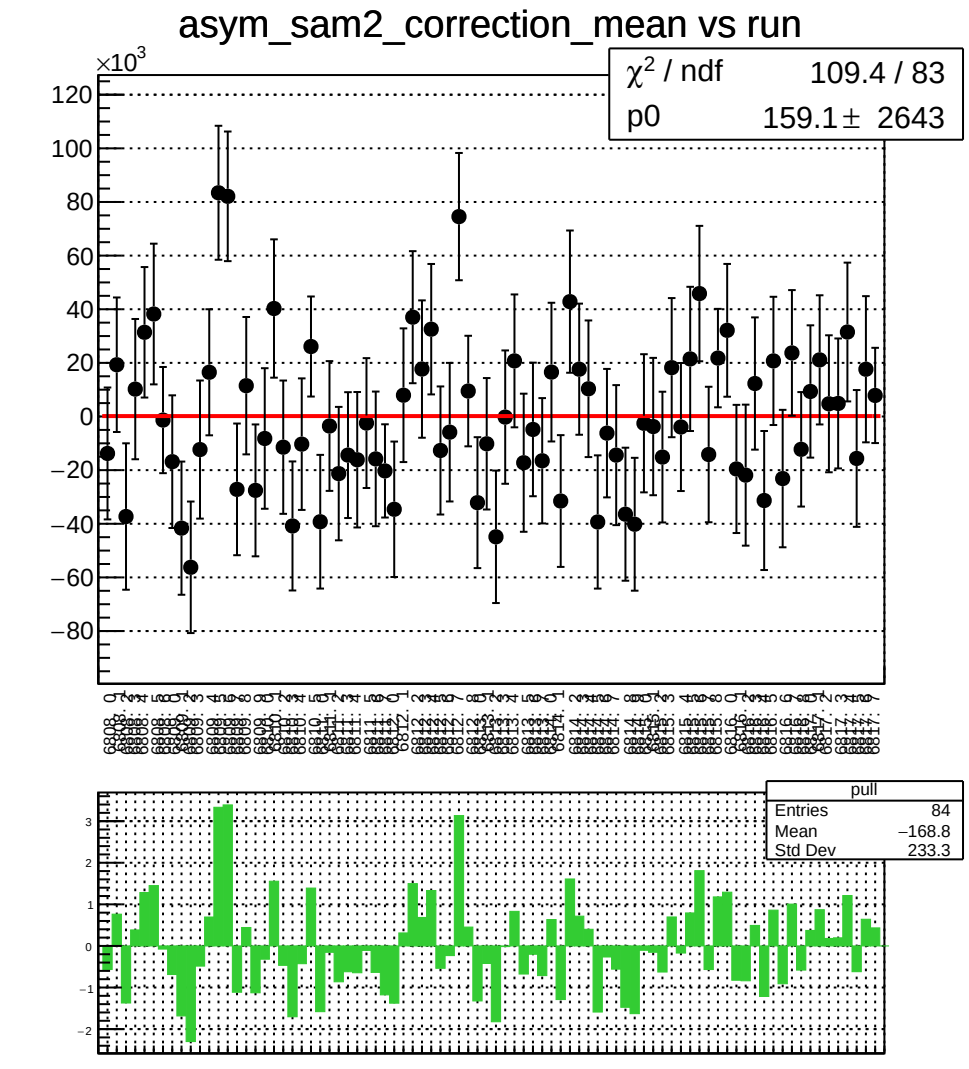

pull1D
Entries 84
Mean 0.006343
Std Dev 0.9794
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

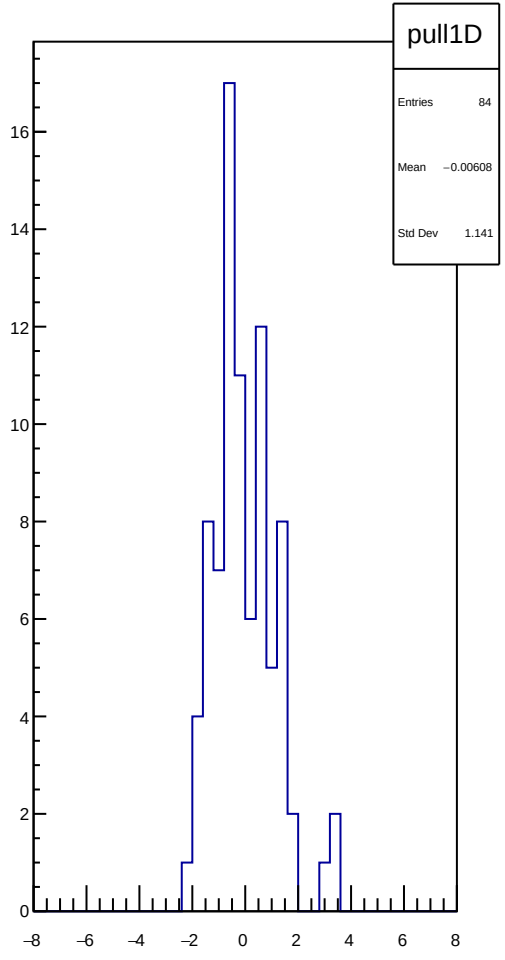

asym_sam1_rms vs run
χ² / ndf 3470 / 83
p0 353.1 ± 0.2789
400
390
380
370
360
350
340
330
320

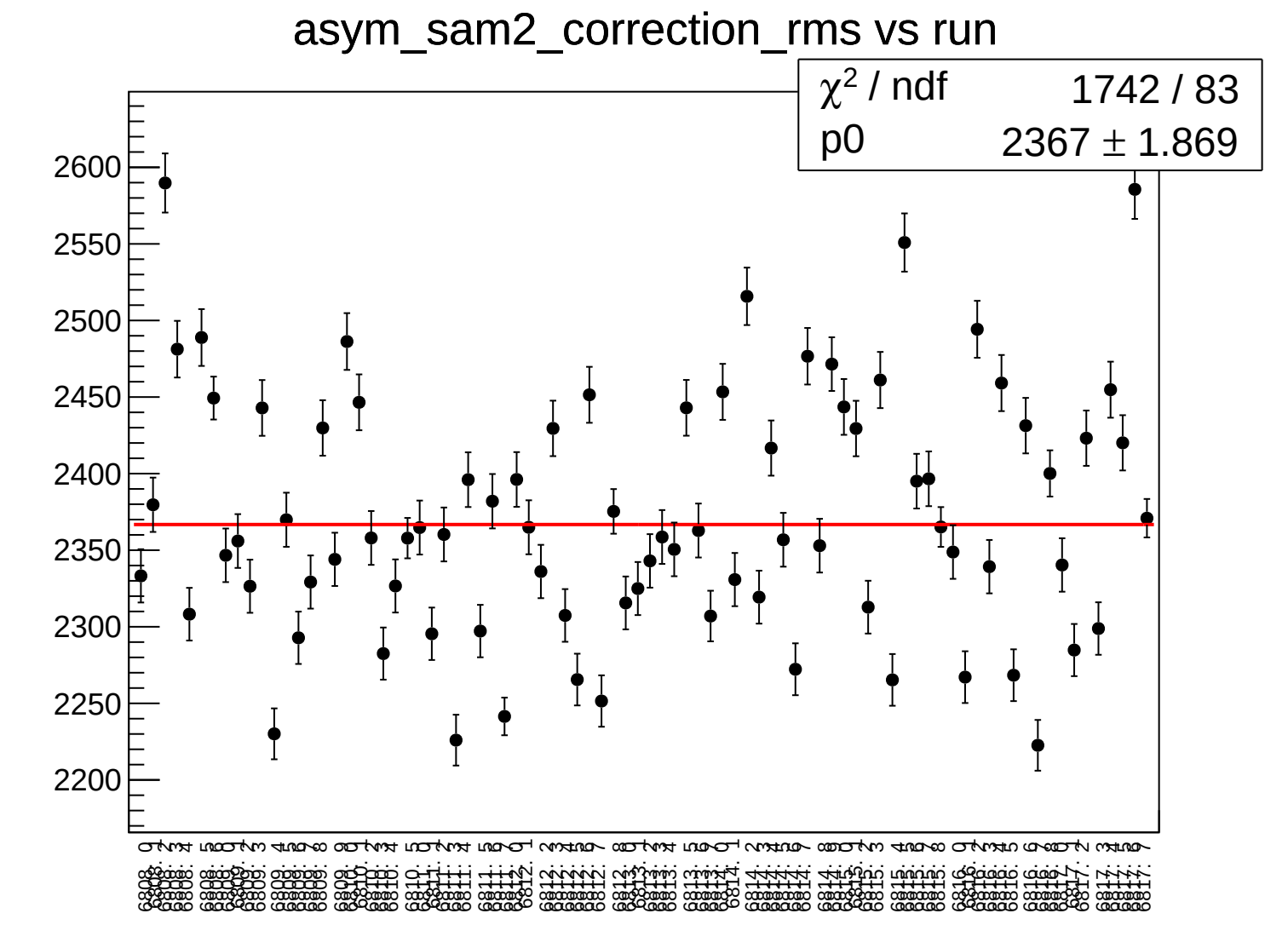

dit_asym_sam2_mean vs run
χ² / ndf 69.89 / 83
p0 778.8 ± 366.9
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 592.4
Std Dev 561.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

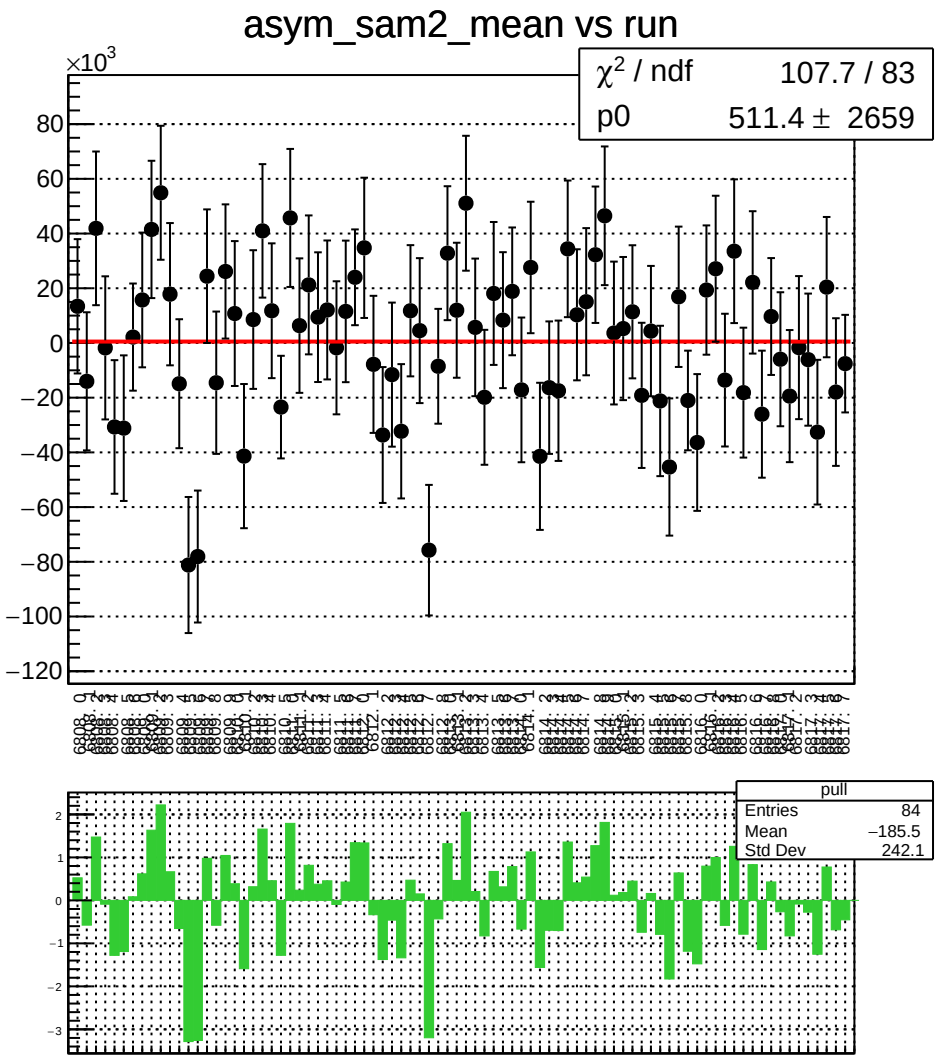

pull1D
Entries 84
Mean −0.005553
Std Dev 0.9121
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

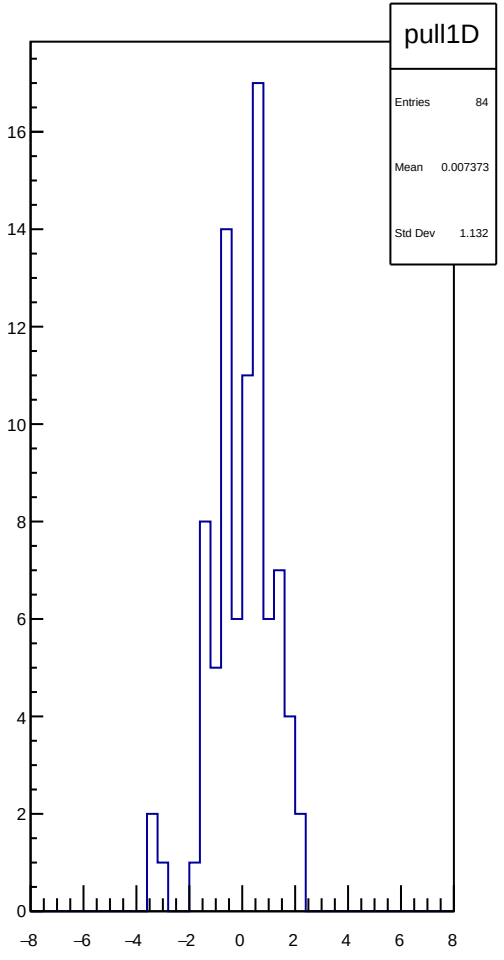

dit_asym_sam2_rms vs run
χ² / ndf 1692 / 83
p0 328.6 ± 0.2594
350
340
330
320
310
300

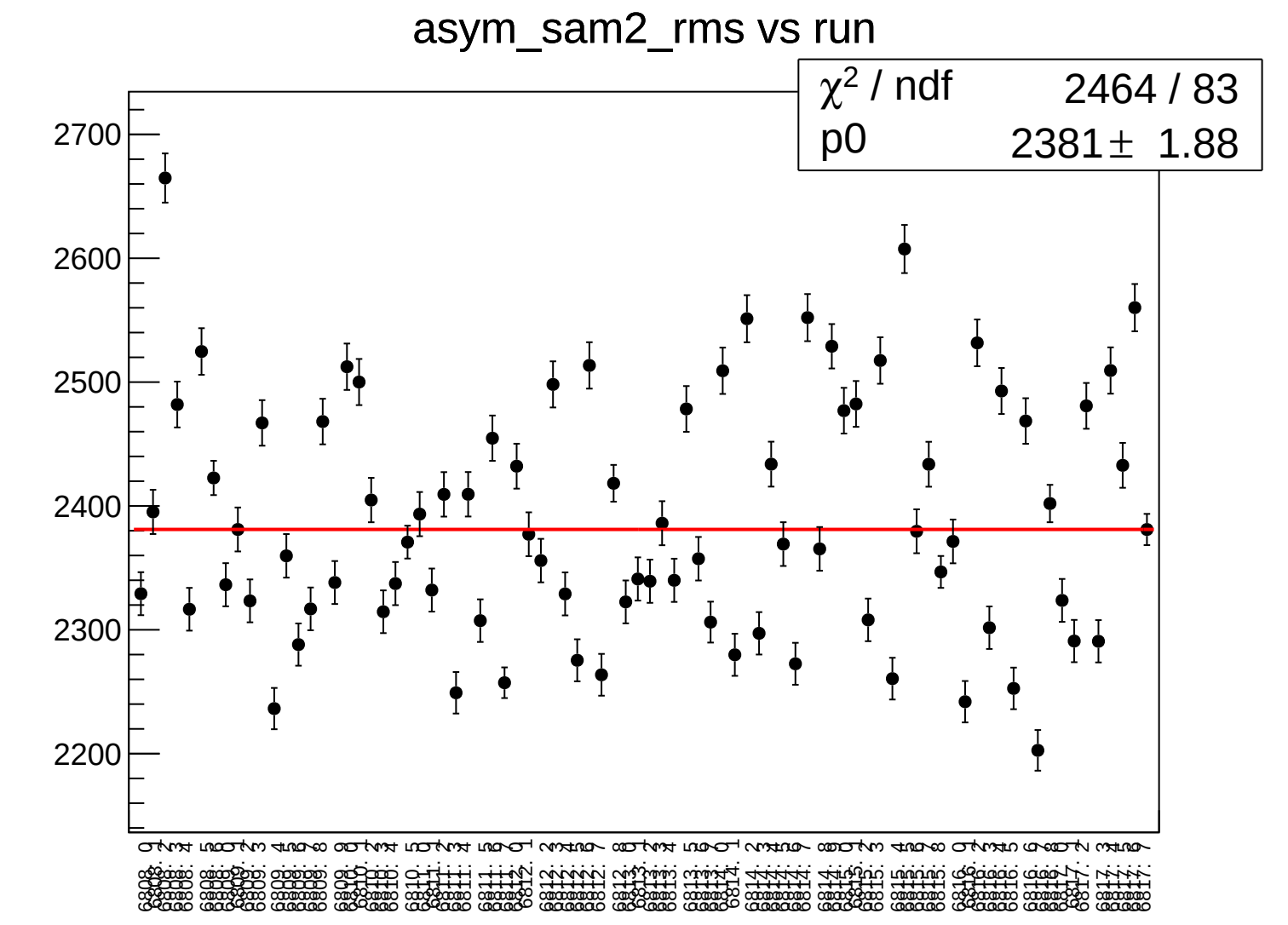

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 109.4 / 83
p0 159.1 ± 2643
pull
Entries 84
Mean −168.8
Std Dev 233.3

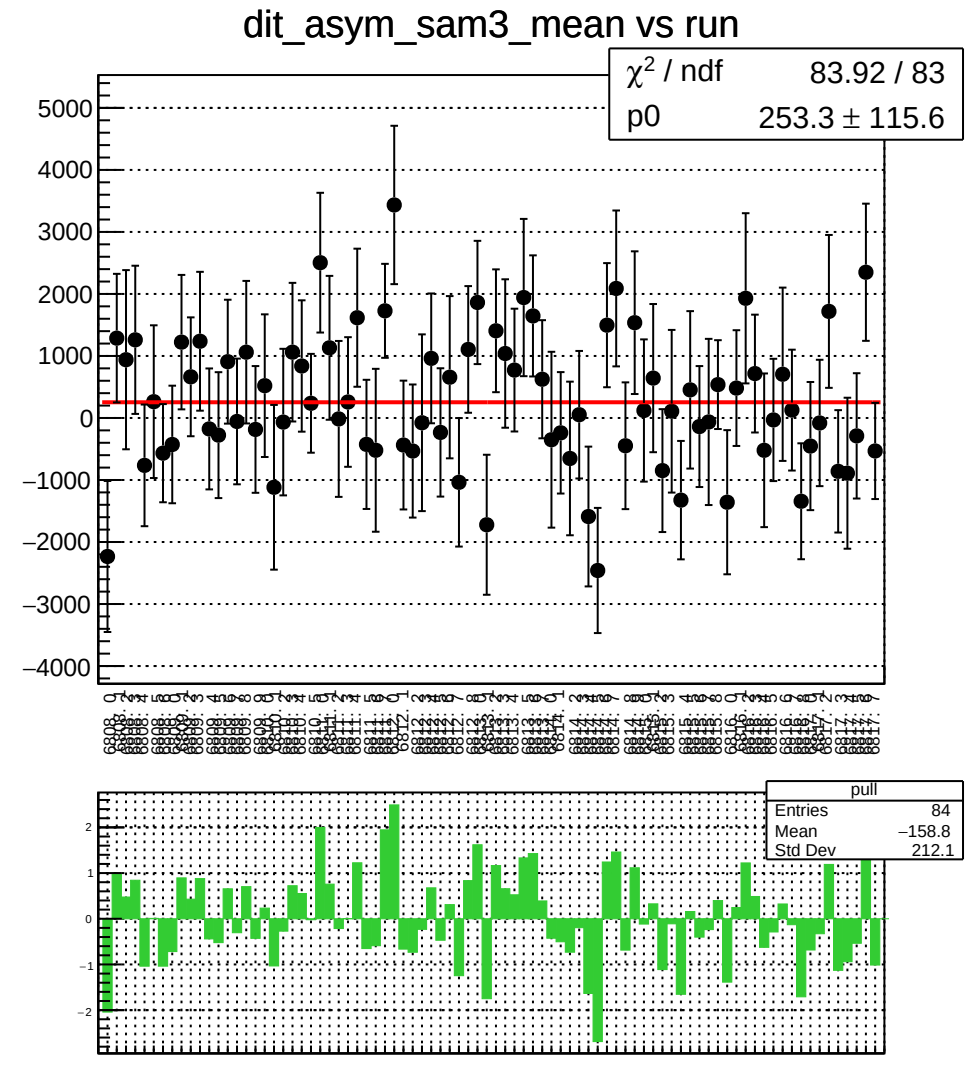

pull1D
Entries 84
Mean −0.00608
Std Dev 1.141

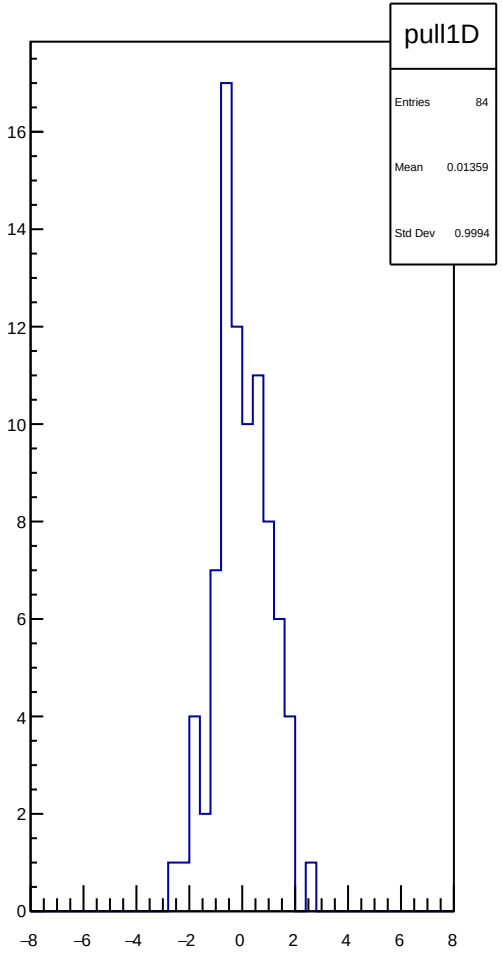

asym_sam2_correction_rms vs run
χ^2 / ndf 1742 / 83
p0 2367 ± 1.869
2600
2550
2500
2450
2400
2350
2300
2250
2200

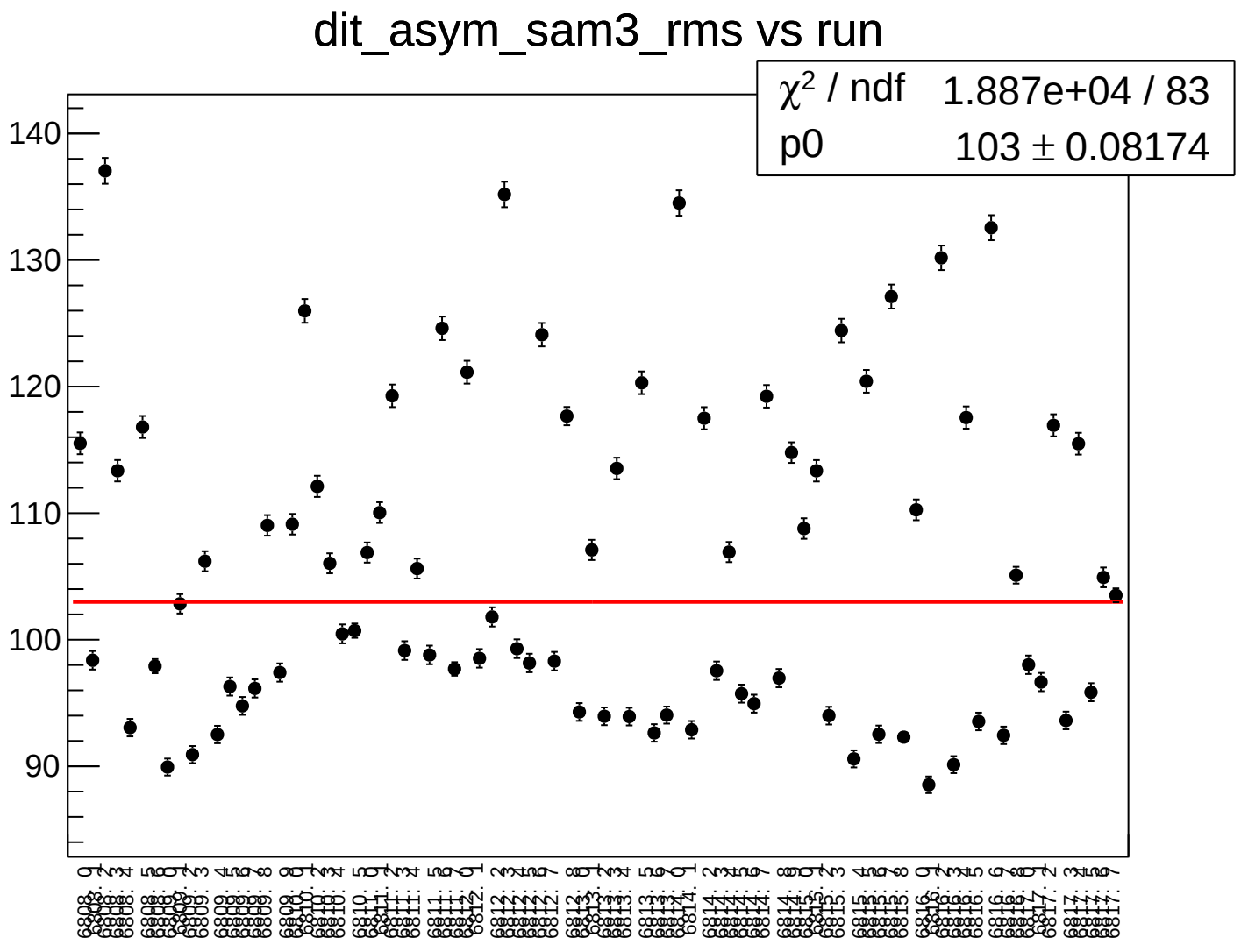

asym_sam2_mean vs run
×10^3
χ^2 / ndf 107.7 / 83
p0 511.4 ± 2659
pull
Entries 84
Mean −185.5
Std Dev 242.1

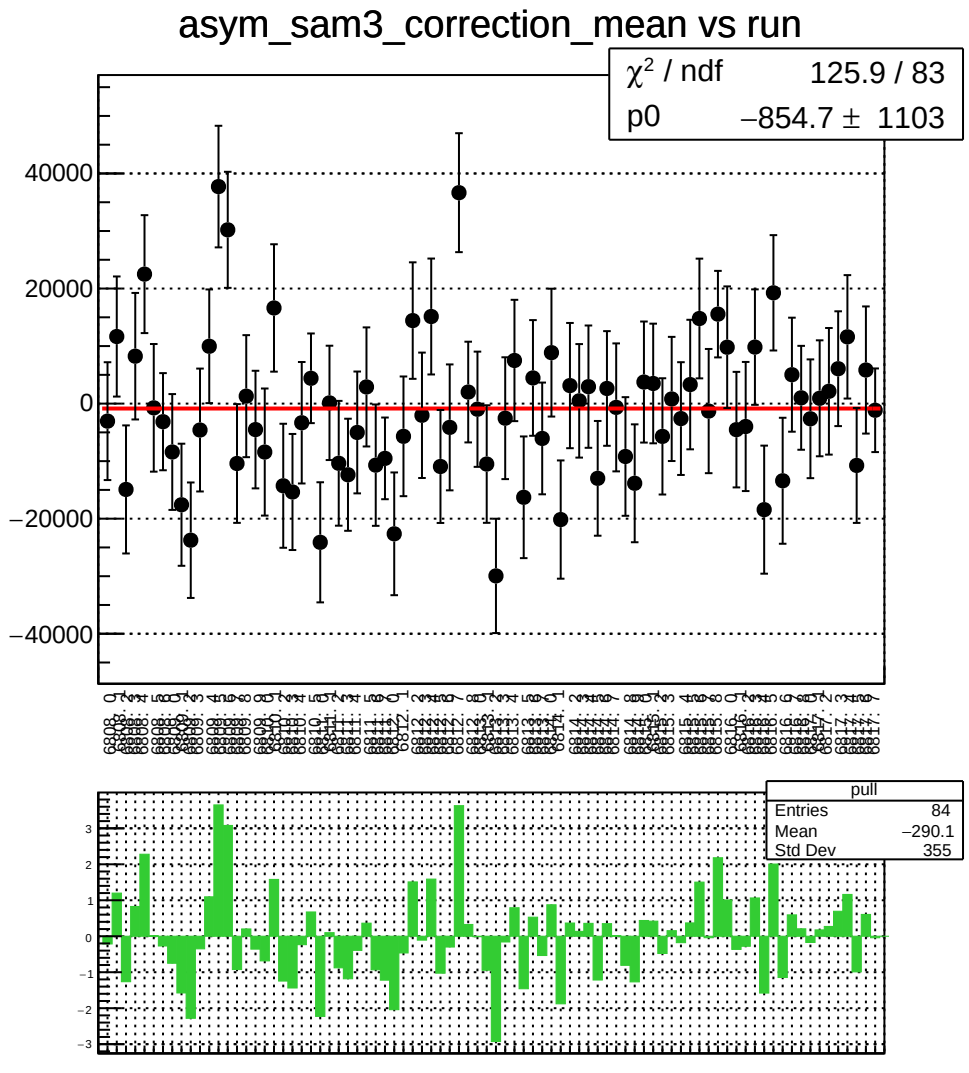

pull1D
Entries 84
Mean 0.007373
Std Dev 1.132

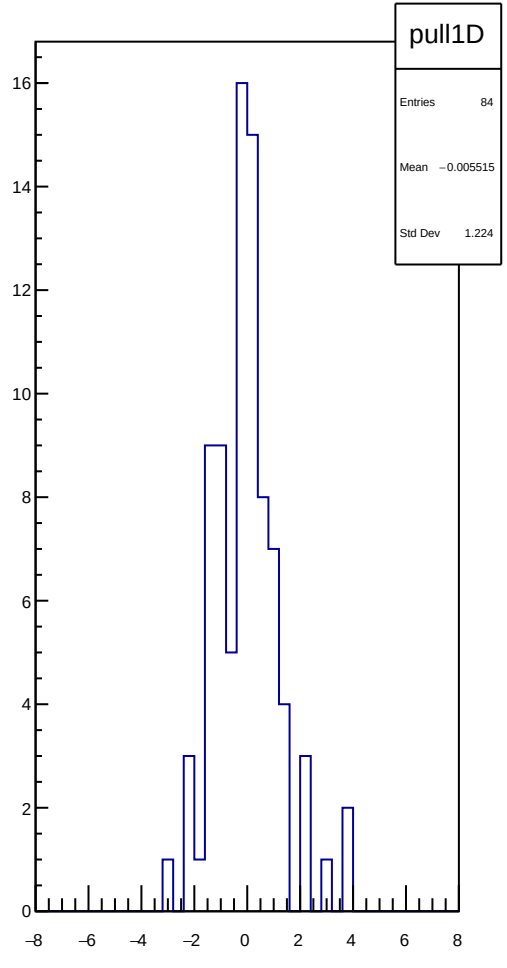

asym_sam2_rms vs run
χ² / ndf 2464 / 83
p0 2381 ± 1.88
2700
2600
2500
2400
2300
2200

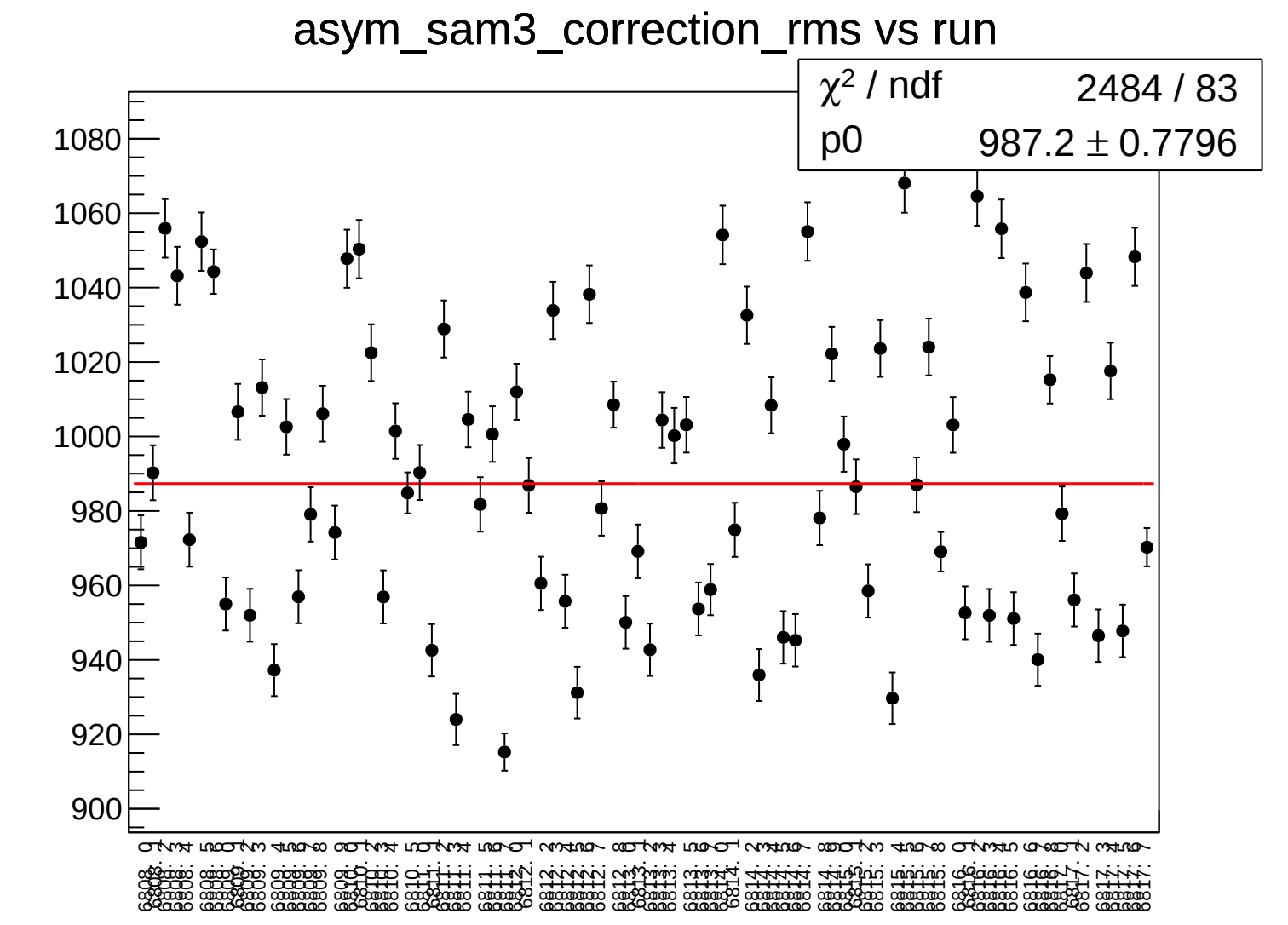

dit_asym_sam3_mean vs run
χ² / ndf 83.92 / 83
p0 253.3 ± 115.6
pull
Entries 84
Mean −158.8
Std Dev 212.1

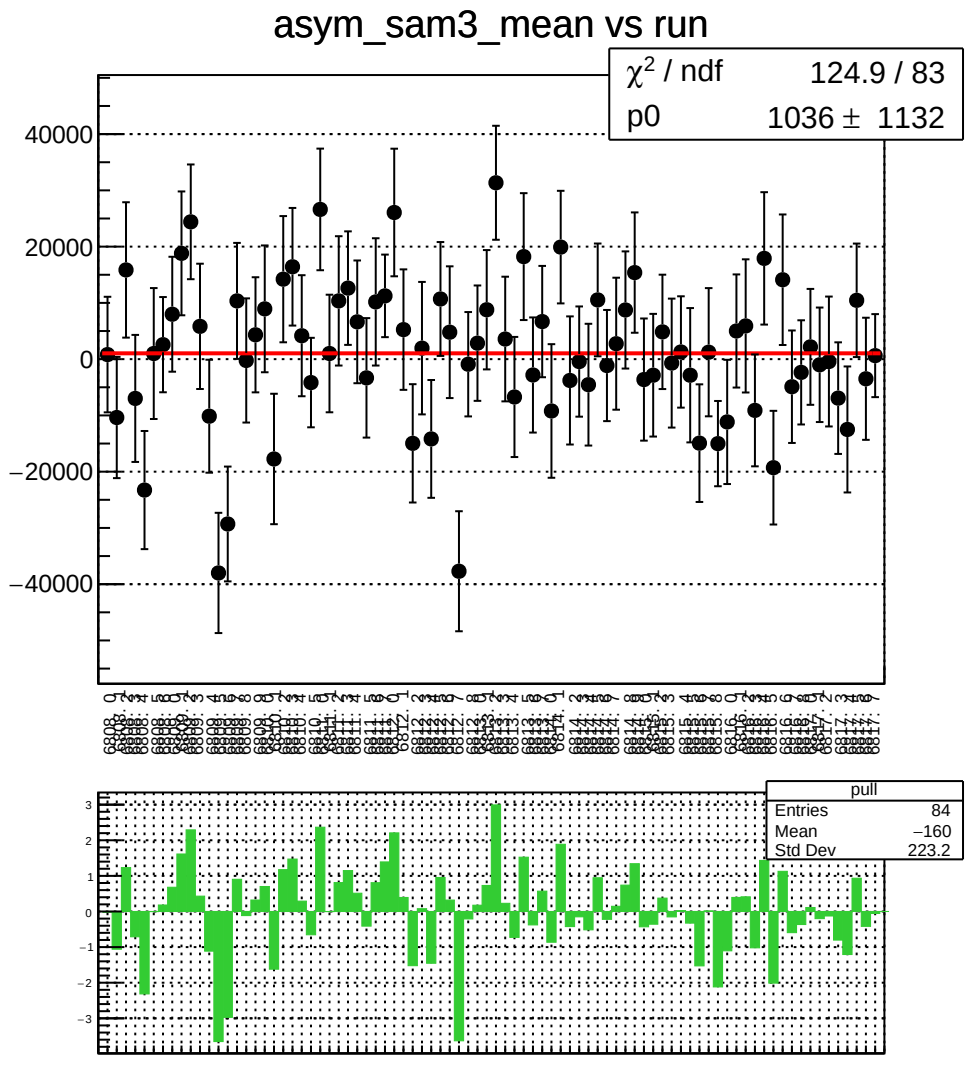

pull1D
Entries 84
Mean 0.01359
Std Dev 0.9994

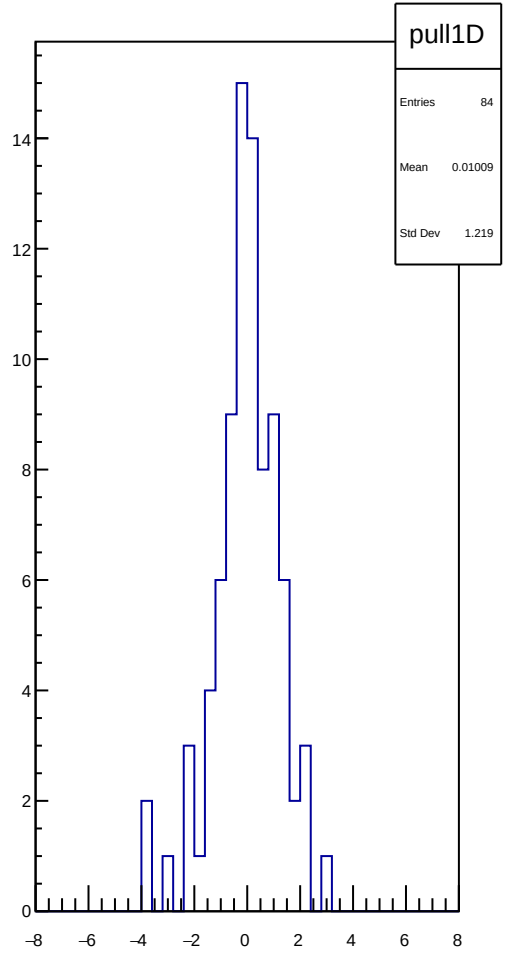

dit_asym_sam3_rms vs run
χ² / ndf 1.887e+04 / 83
p0 103 ± 0.08174
140
130
120
110
100
90

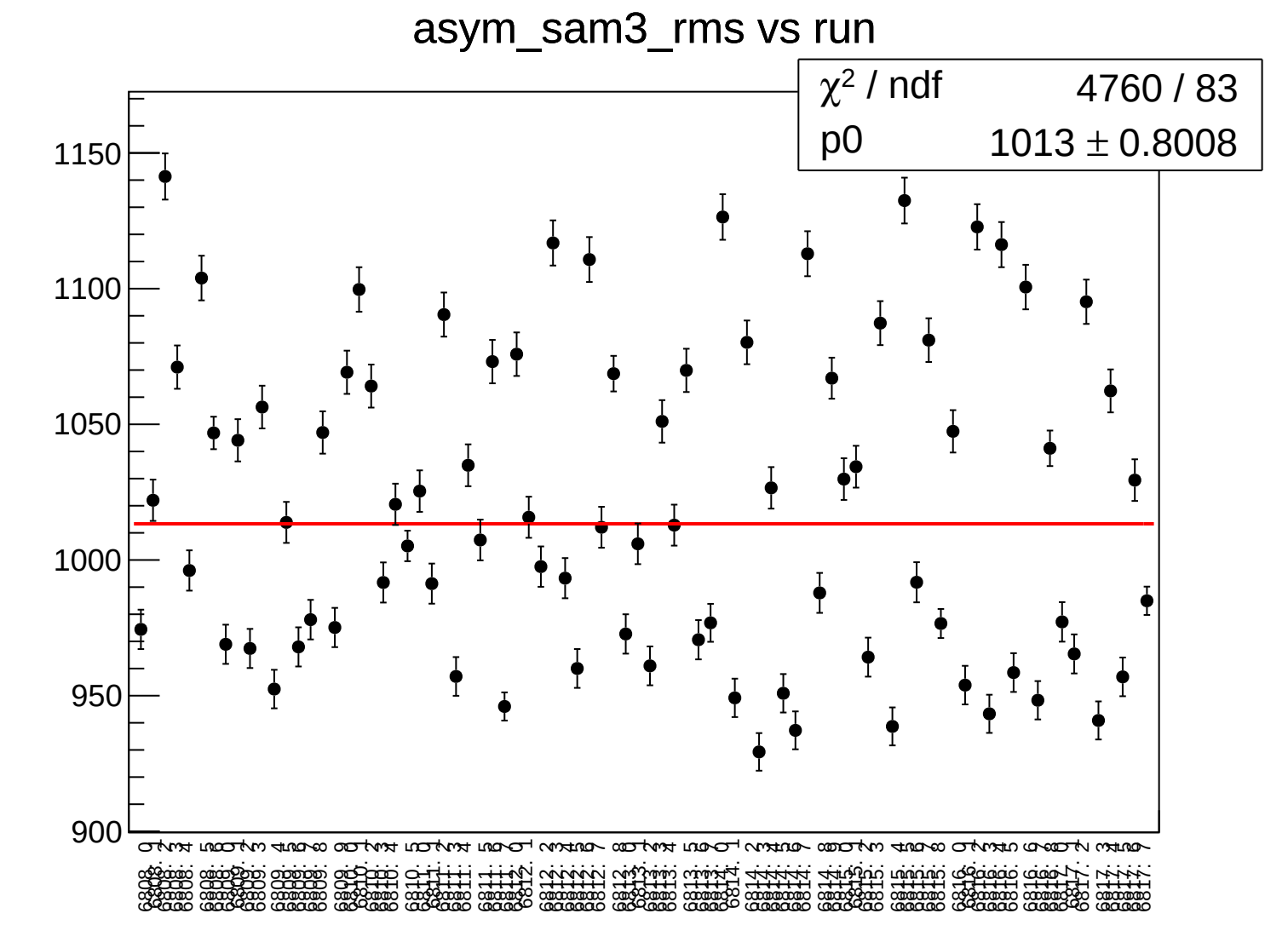

asym_sam3_correction_mean vs run
χ² / ndf 125.9 / 83
p0 −854.7 ± 1103
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −290.1
Std Dev 355
3
2
1
0
−1
−2
−3

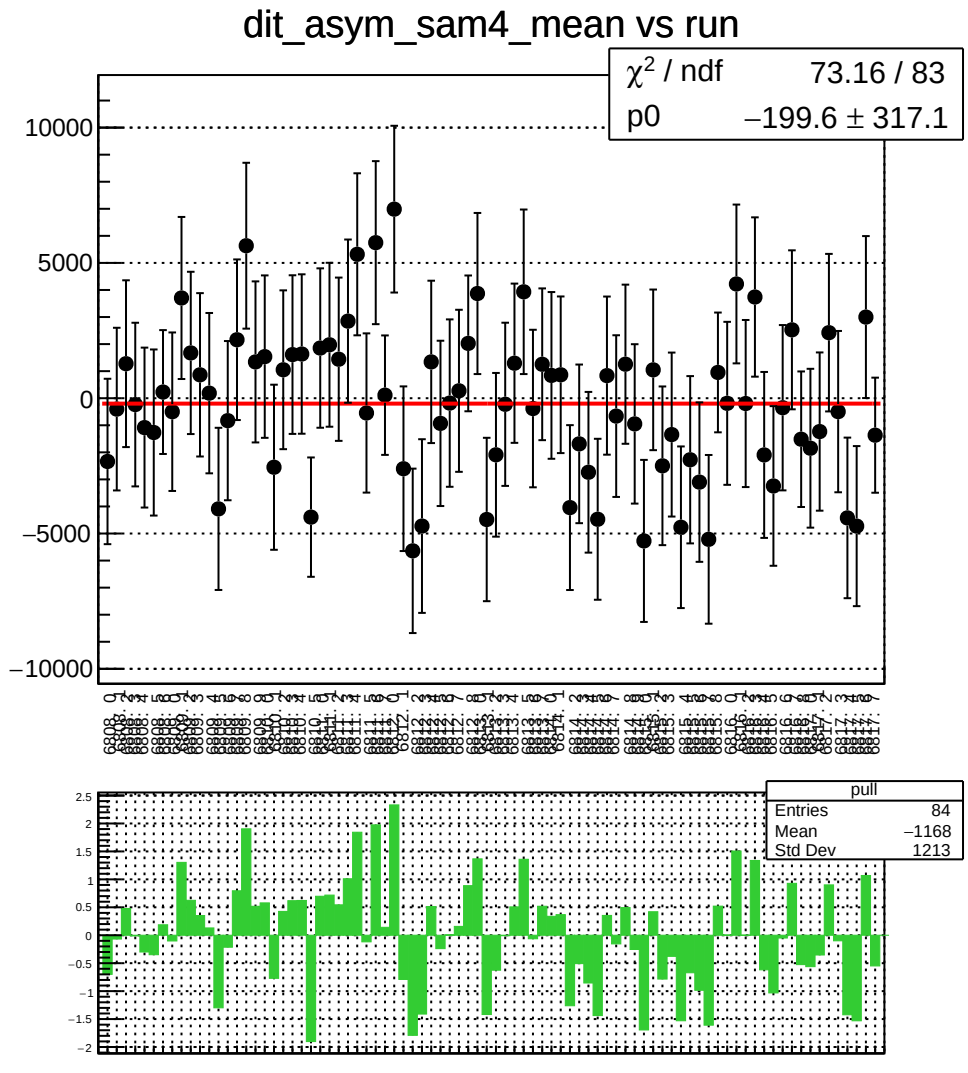

pull1D
Entries 84
Mean −0.005515
Std Dev 1.224
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

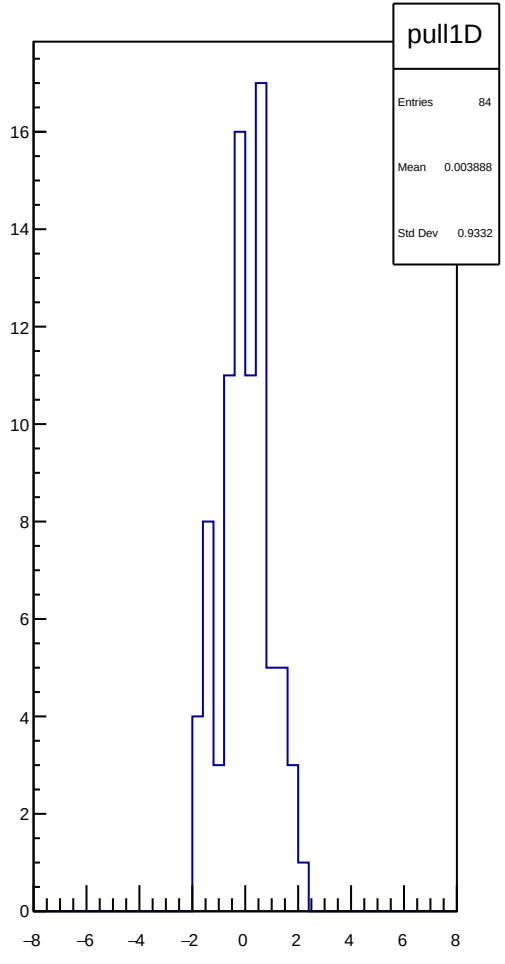

asym_sam3_correction_rms vs run
χ² / ndf 2484 / 83
p0 987.2 ± 0.7796
1080
1060
1040
1020
1000
980
960
940
920
900

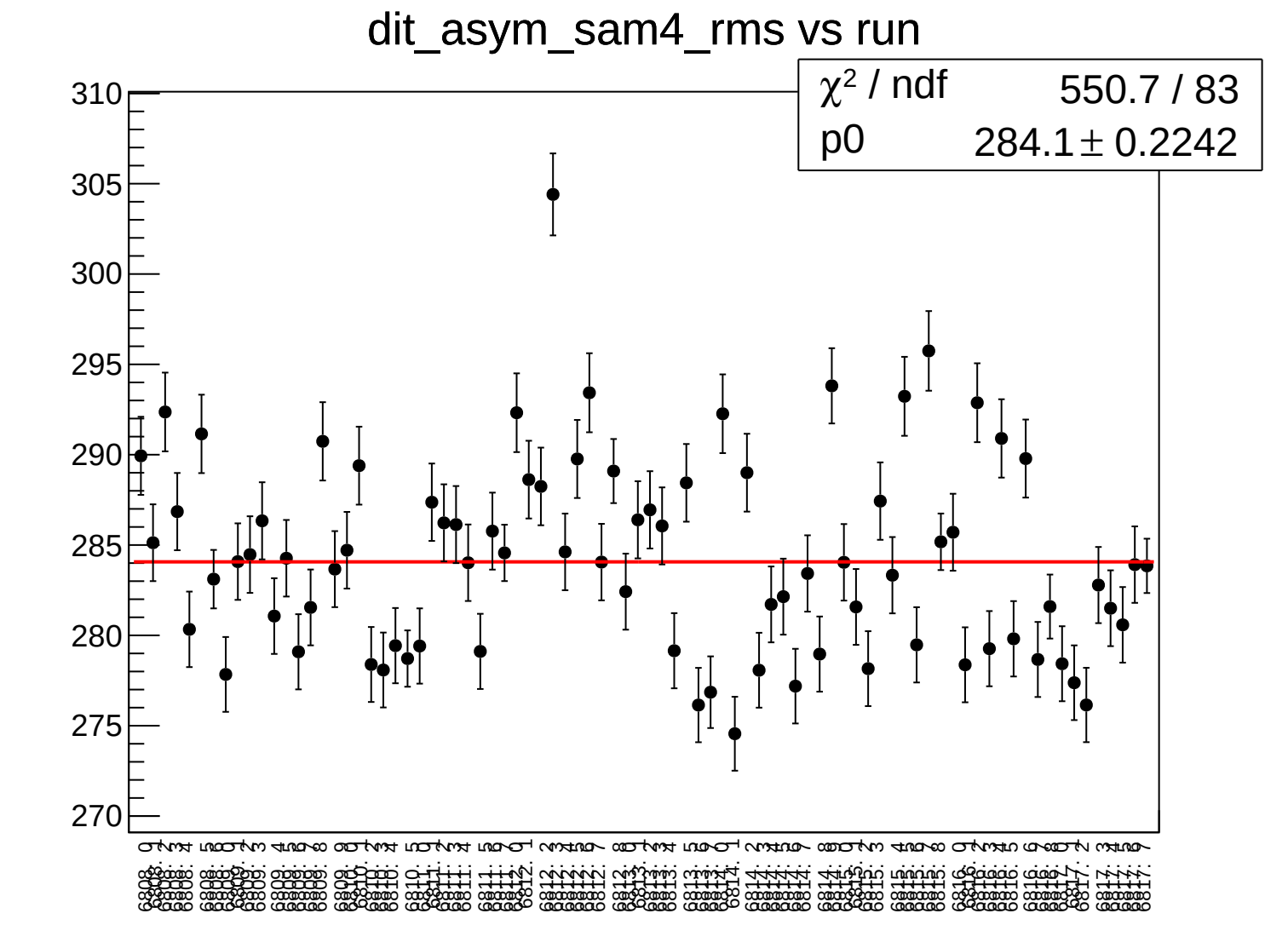

asym_sam3_mean vs run
χ² / ndf 124.9 / 83
p0 1036 ± 1132
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −160
Std Dev 223.2
3
2
1
0
−1
−2
−3

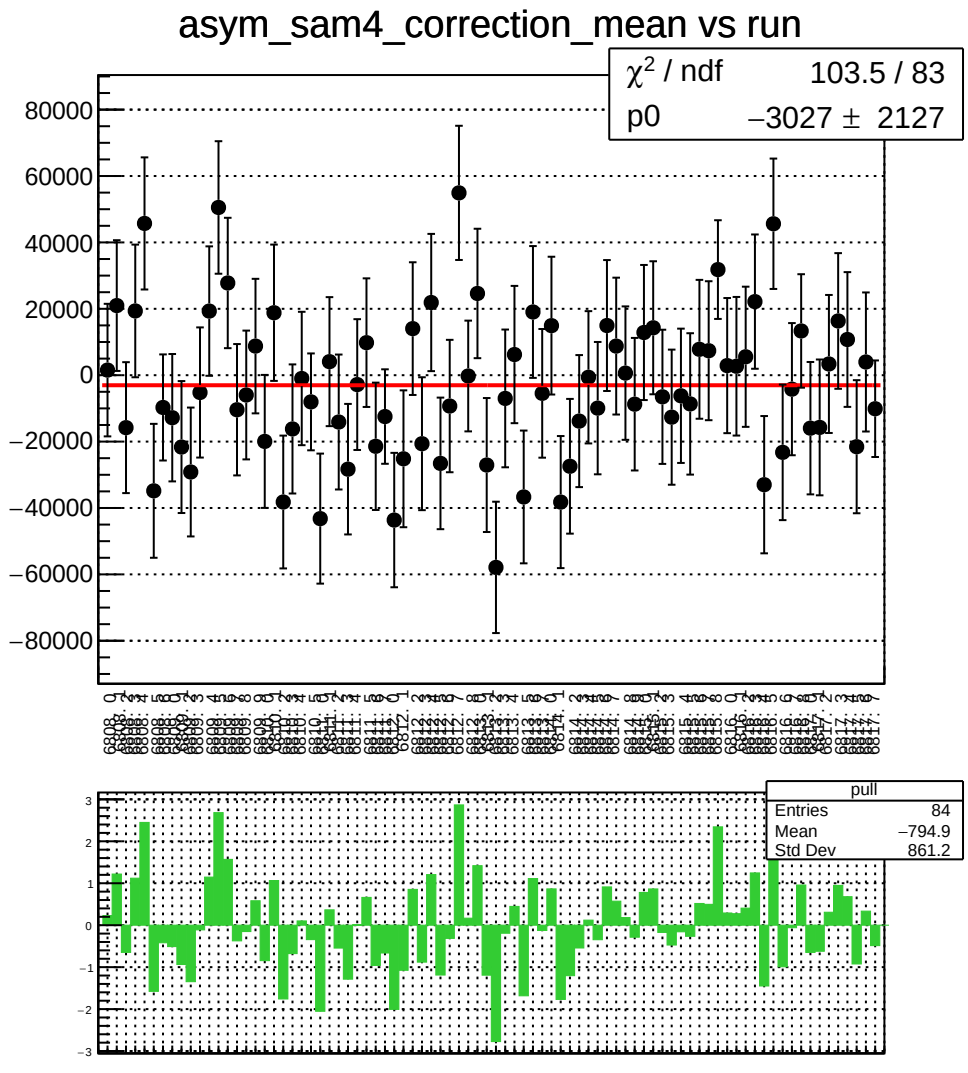

pull1D
Entries 84
Mean 0.01009
Std Dev 1.219
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

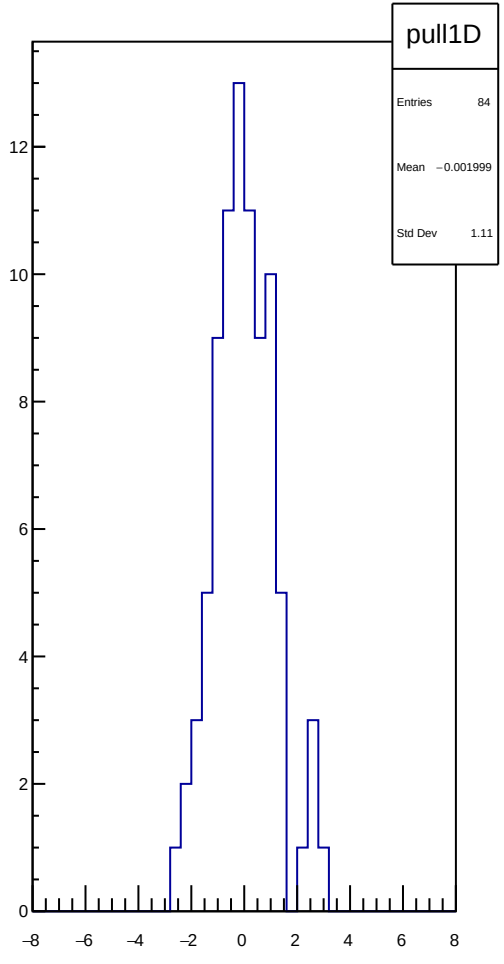

asym_sam3_rms vs run
χ² / ndf 4760 / 83
p0 1013 ± 0.8008
1150
1100
1050
1000
950
900

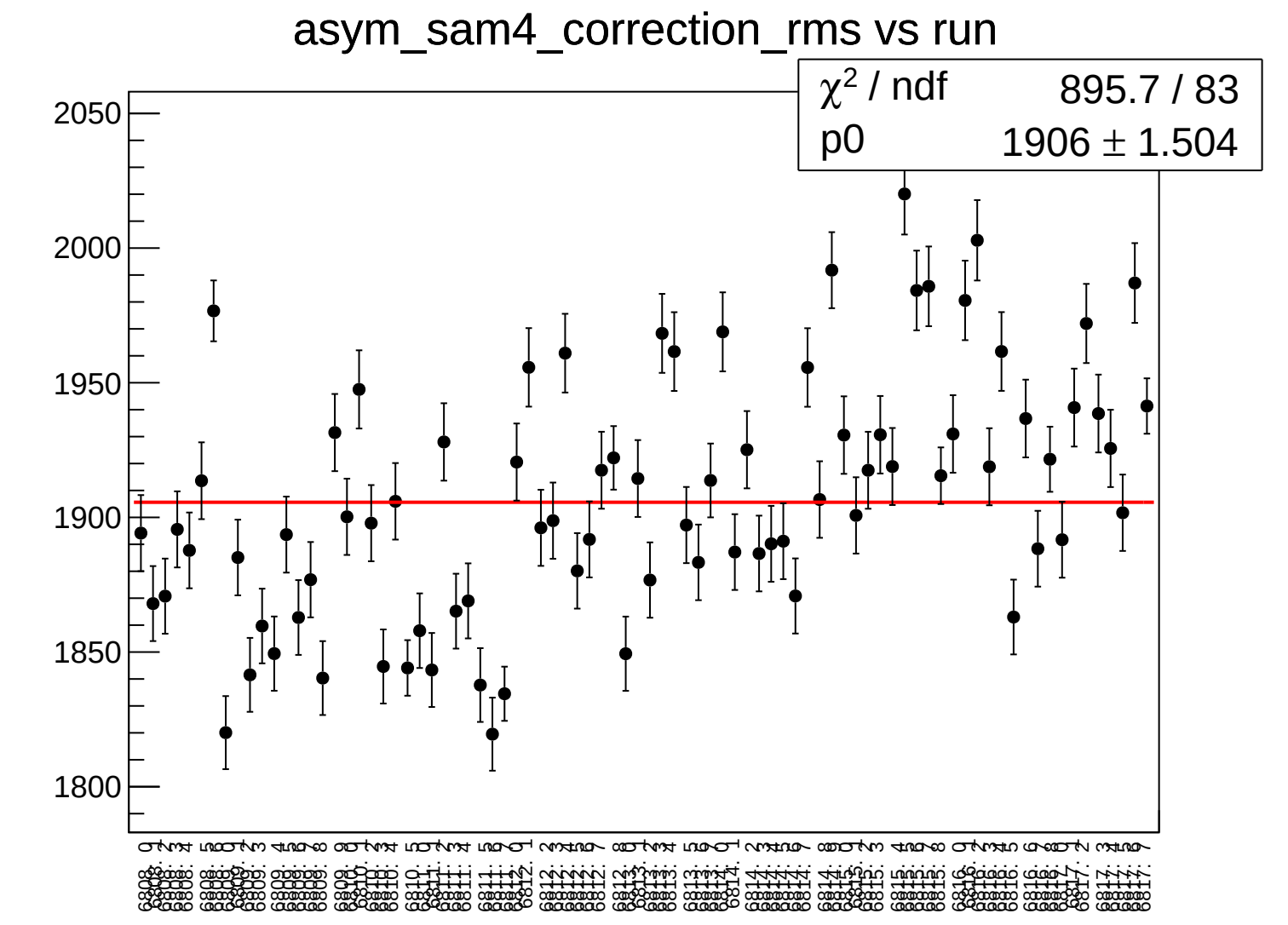

dit_asym_sam4_mean vs run
χ² / ndf 73.16 / 83
p0 −199.6 ± 317.1
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −1168
Std Dev 1213
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

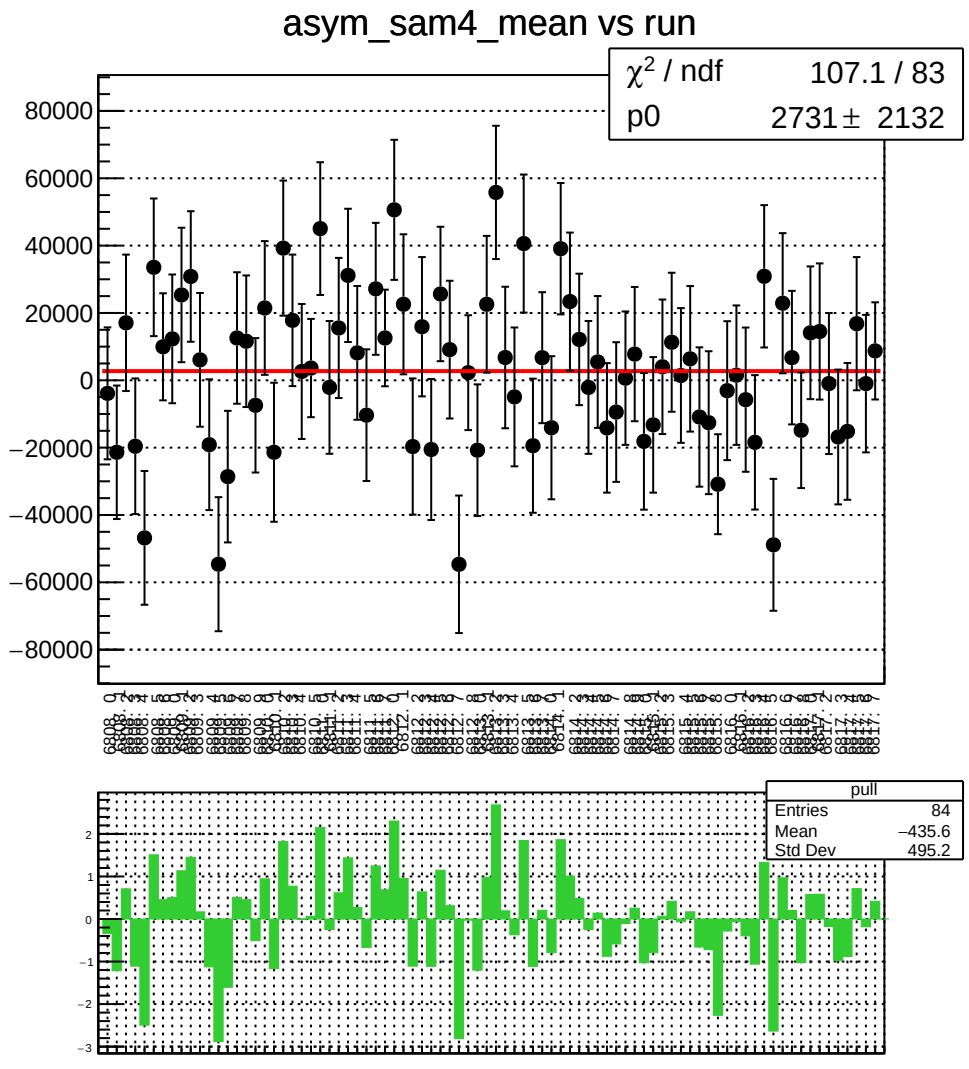

pull1D
Entries 84
Mean 0.003888
Std Dev 0.9332
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

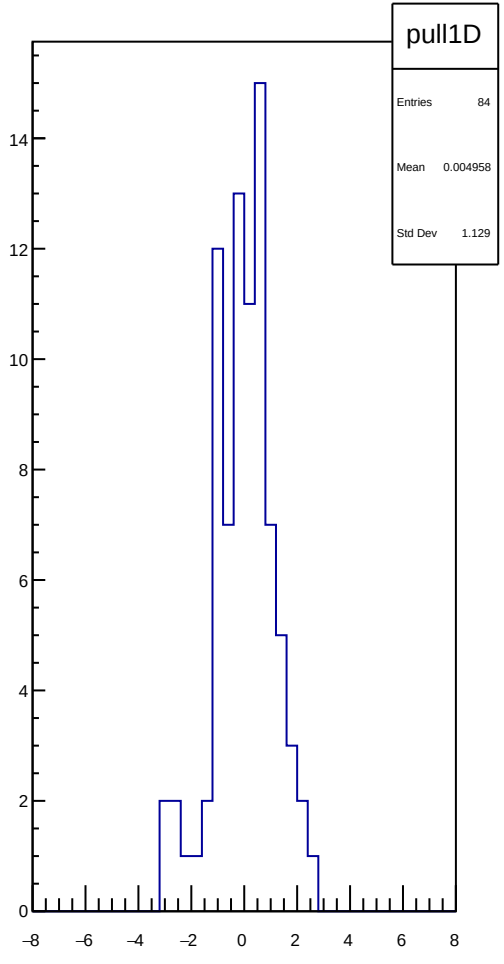

dit_asym_sam4_rms vs run
χ² / ndf 550.7 / 83
p0 284.1 ± 0.2242
310
305
300
295
290
285
280
275
270

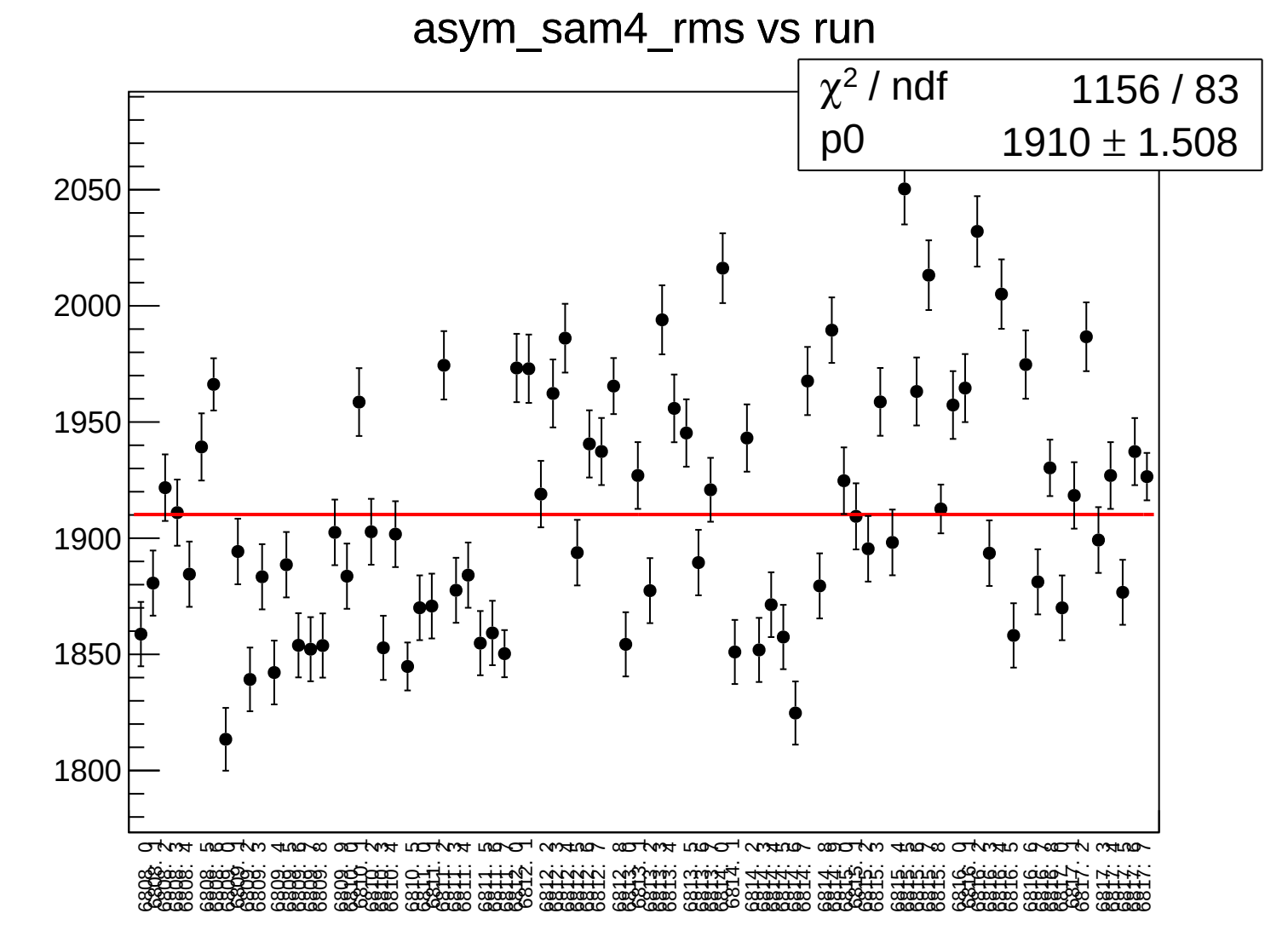

asym_sam4_correction_mean vs run
χ² / ndf 103.5 / 83
p0 −3027 ± 2127
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean −794.9
Std Dev 861.2
3
2
1
0
−1
−2
−3

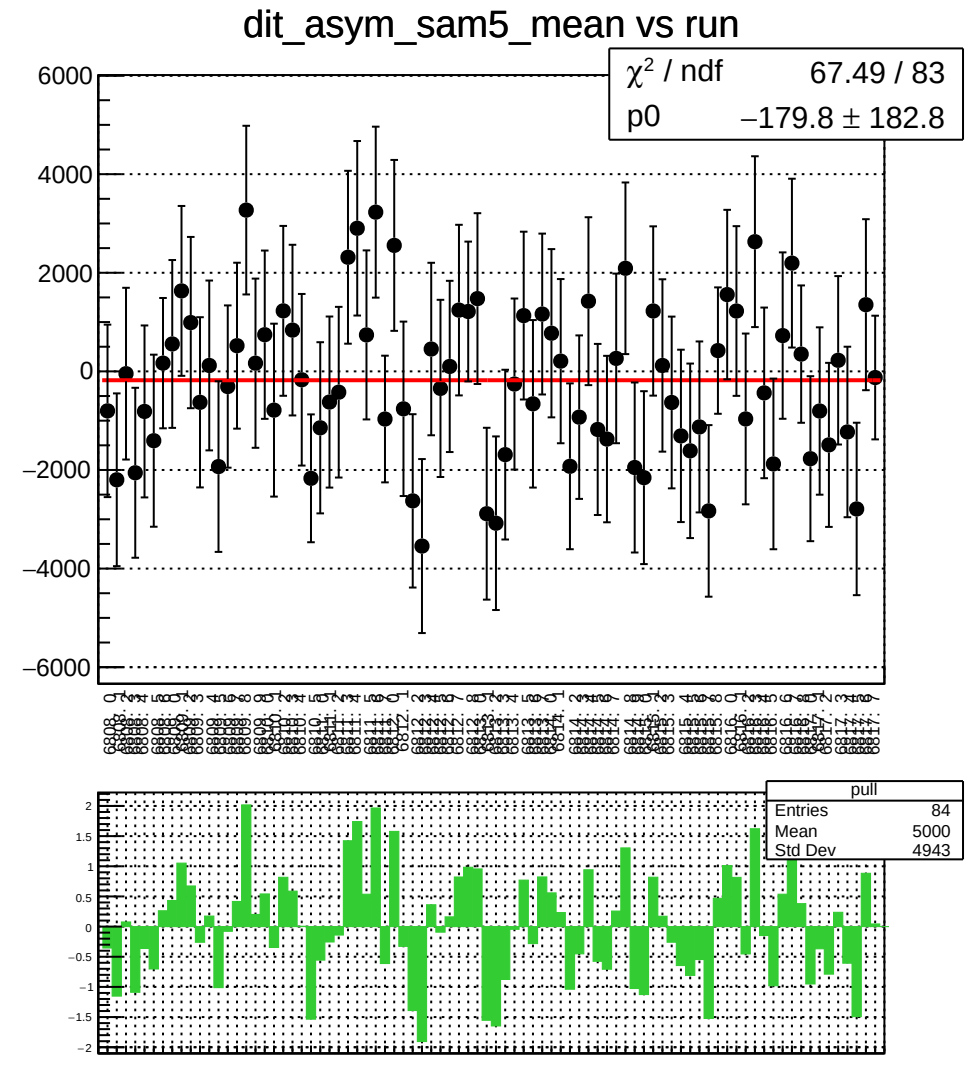

pull1D
Entries 84
Mean −0.001999
Std Dev 1.11
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

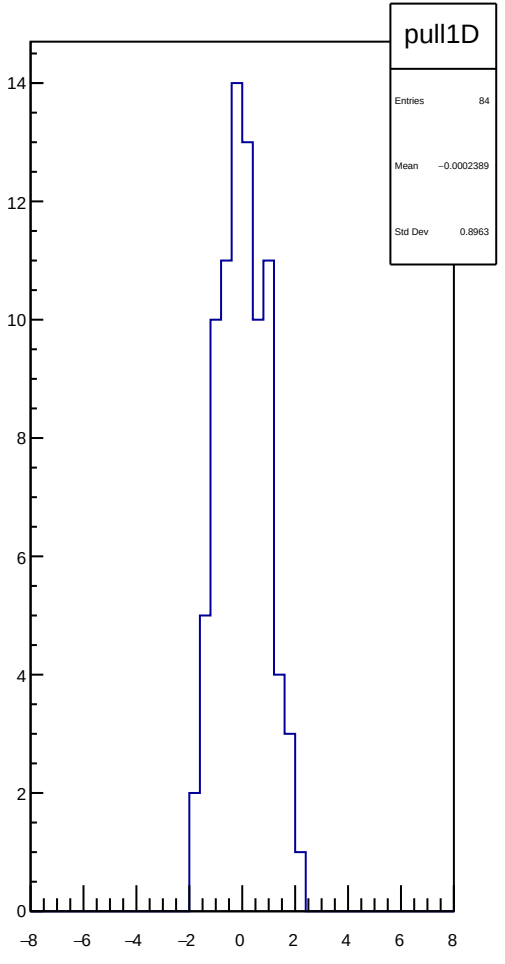

asym_sam4_correction_rms vs run
χ² / ndf 895.7 / 83
p0 1906 ± 1.504
2050
2000
1950
1900
1850
1800

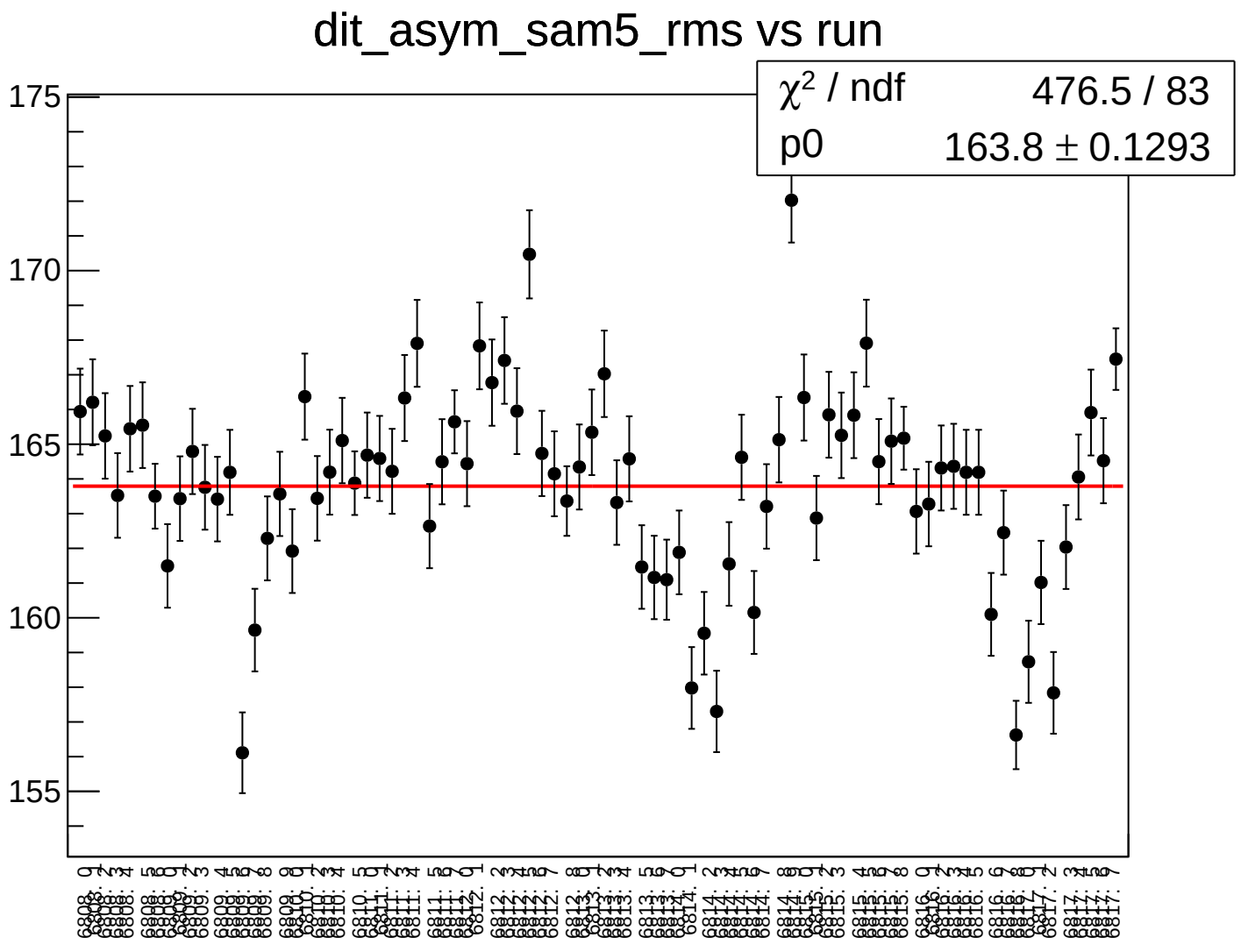

asym_sam4_mean vs run
χ² / ndf 107.1 / 83
p0 2731 ± 2132
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean −435.6
Std Dev 495.2
2
1
0
−1
−2
−3

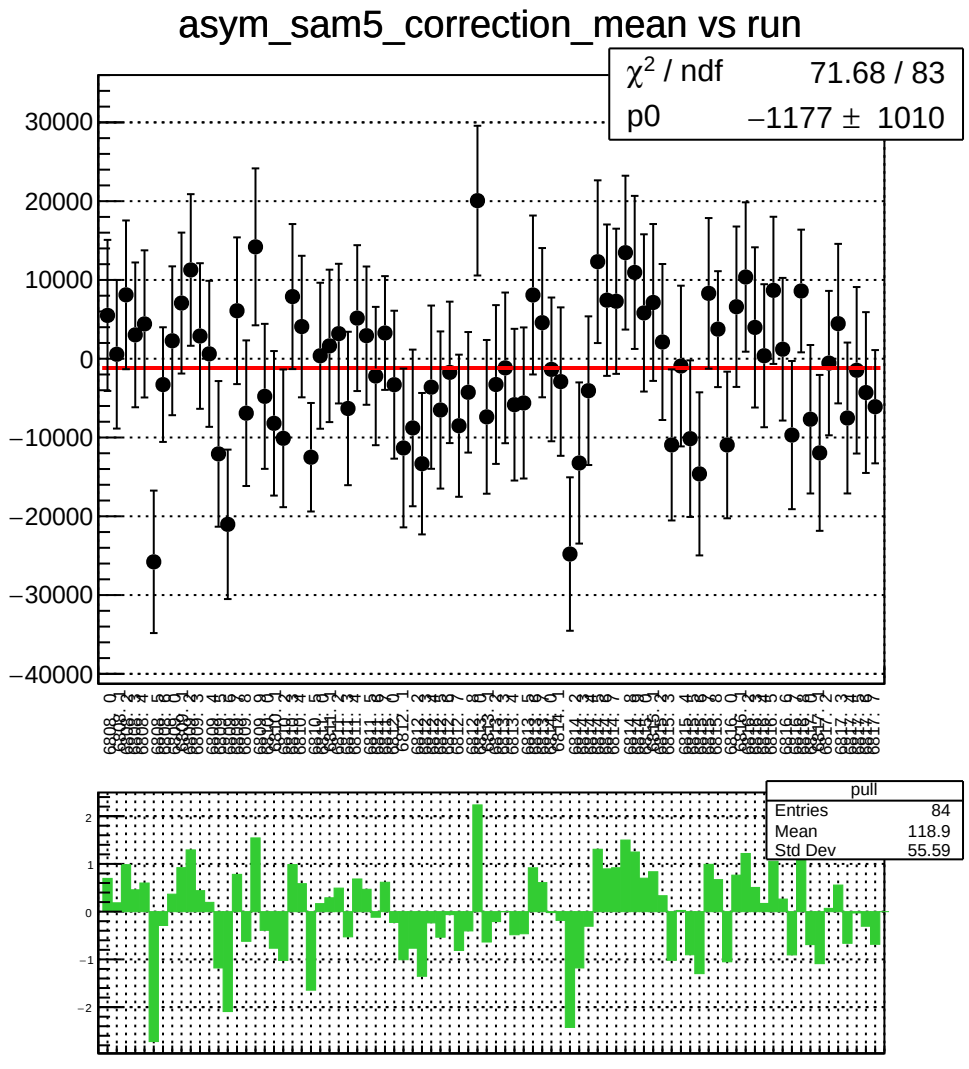

pull1D
Entries 84
Mean 0.004958
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

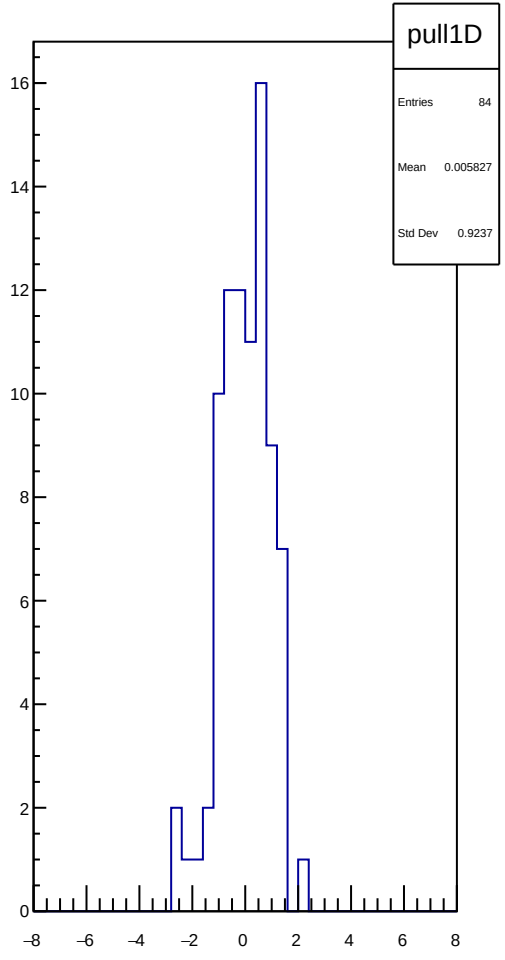

asym_sam4_rms vs run
χ^2 / ndf 1156 / 83
p0 1910 ± 1.508
2050
2000
1950
1900
1850
1800

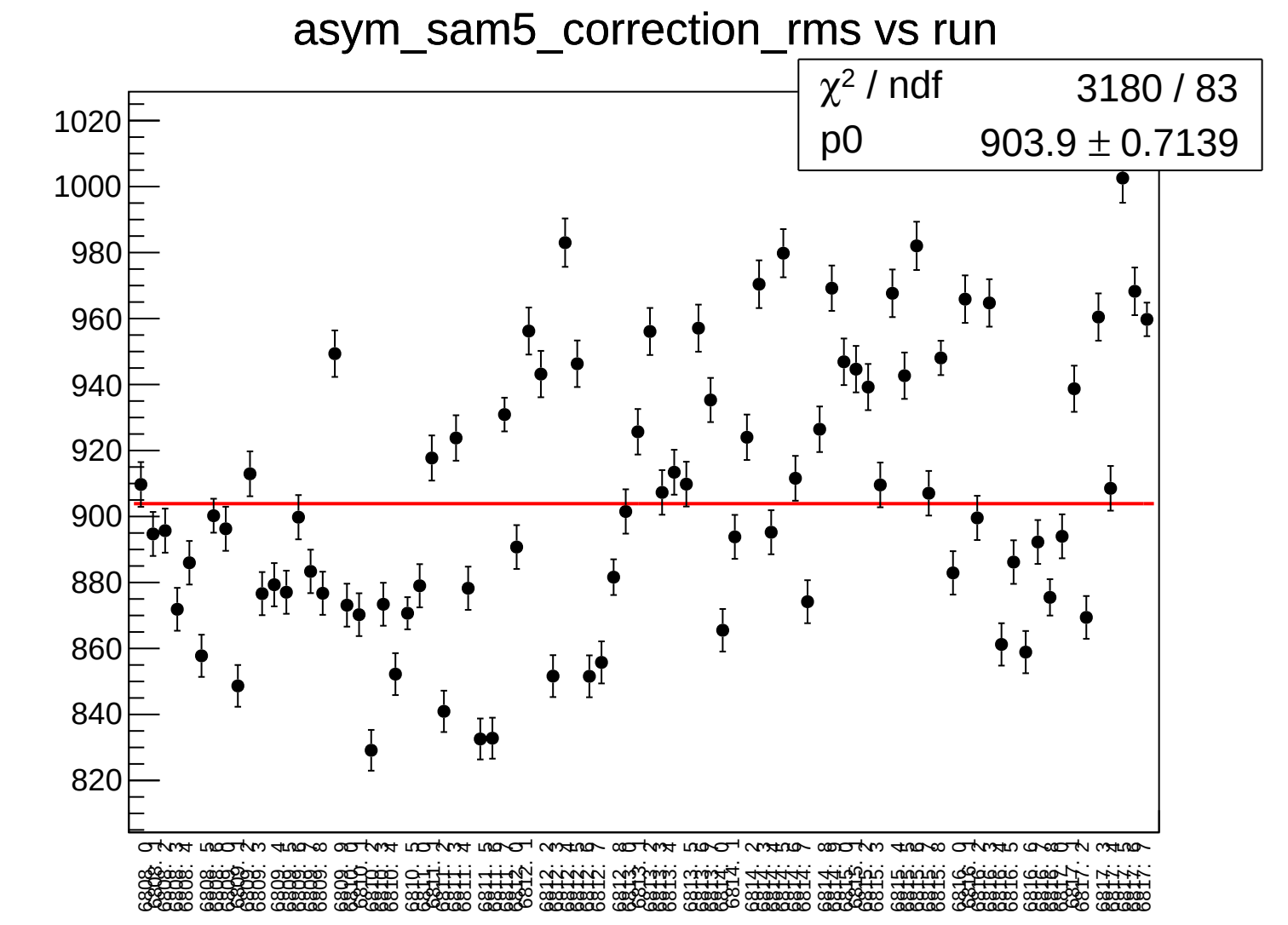

dit_asym_sam5_mean vs run
χ² / ndf 67.49 / 83
p0 −179.8 ± 182.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 5000
Std Dev 4943
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

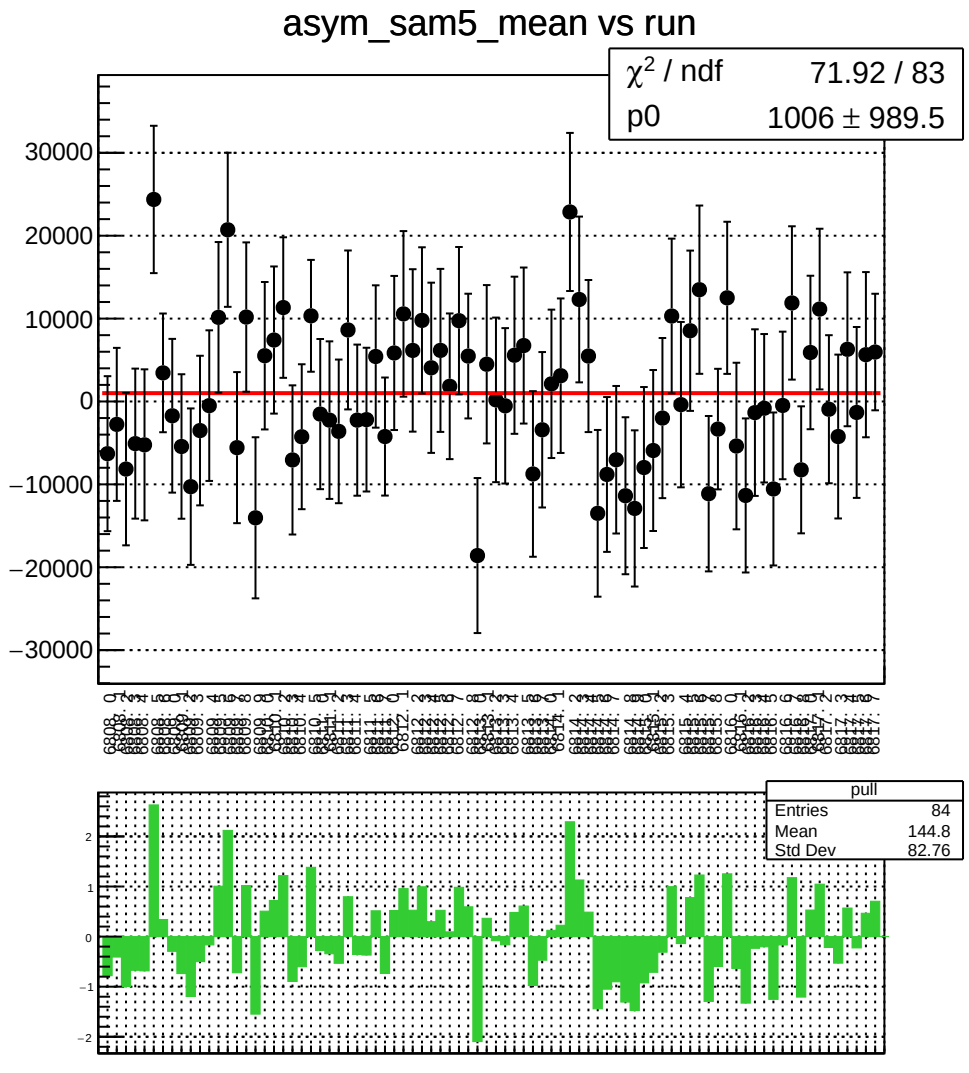

pull1D
Entries 84
Mean −0.0002389
Std Dev 0.8963
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

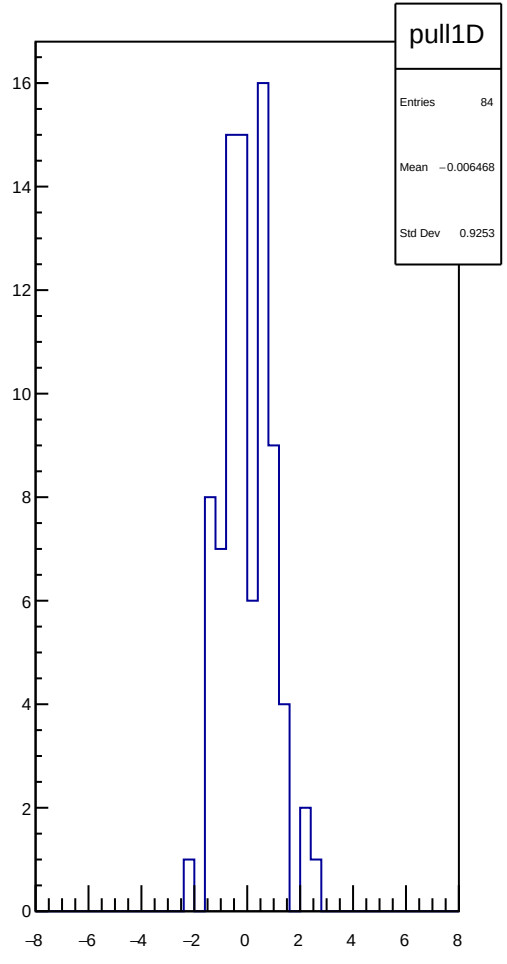

dit_asym_sam5_rms vs run
χ² / ndf 476.5 / 83
p0 163.8 ± 0.1293
175
170
165
160
155

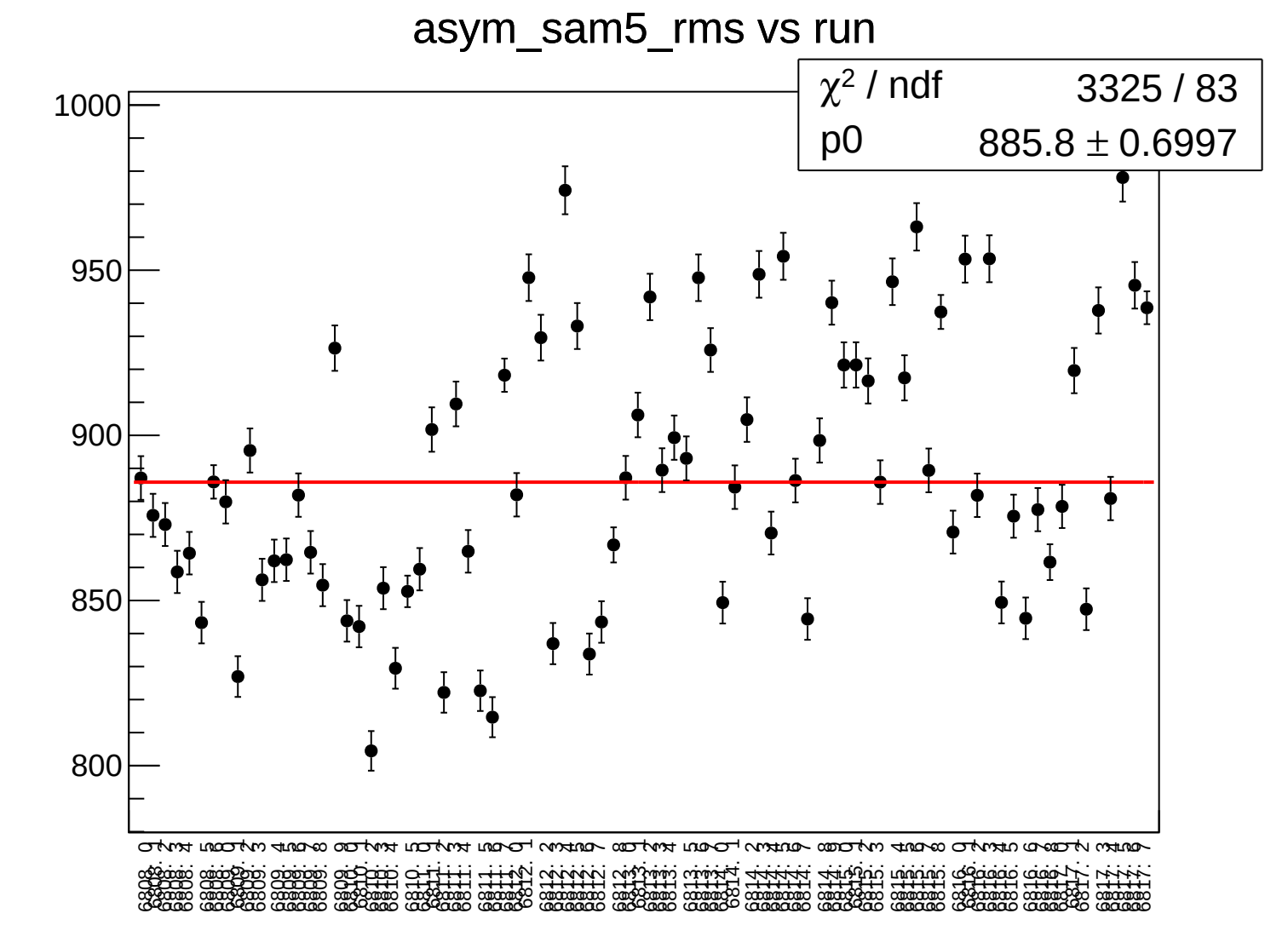

asym_sam5_correction_mean vs run
χ² / ndf 71.68 / 83
p0 −1177 ± 1010
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean 118.9
Std Dev 55.59
2
1
0
−1
−2

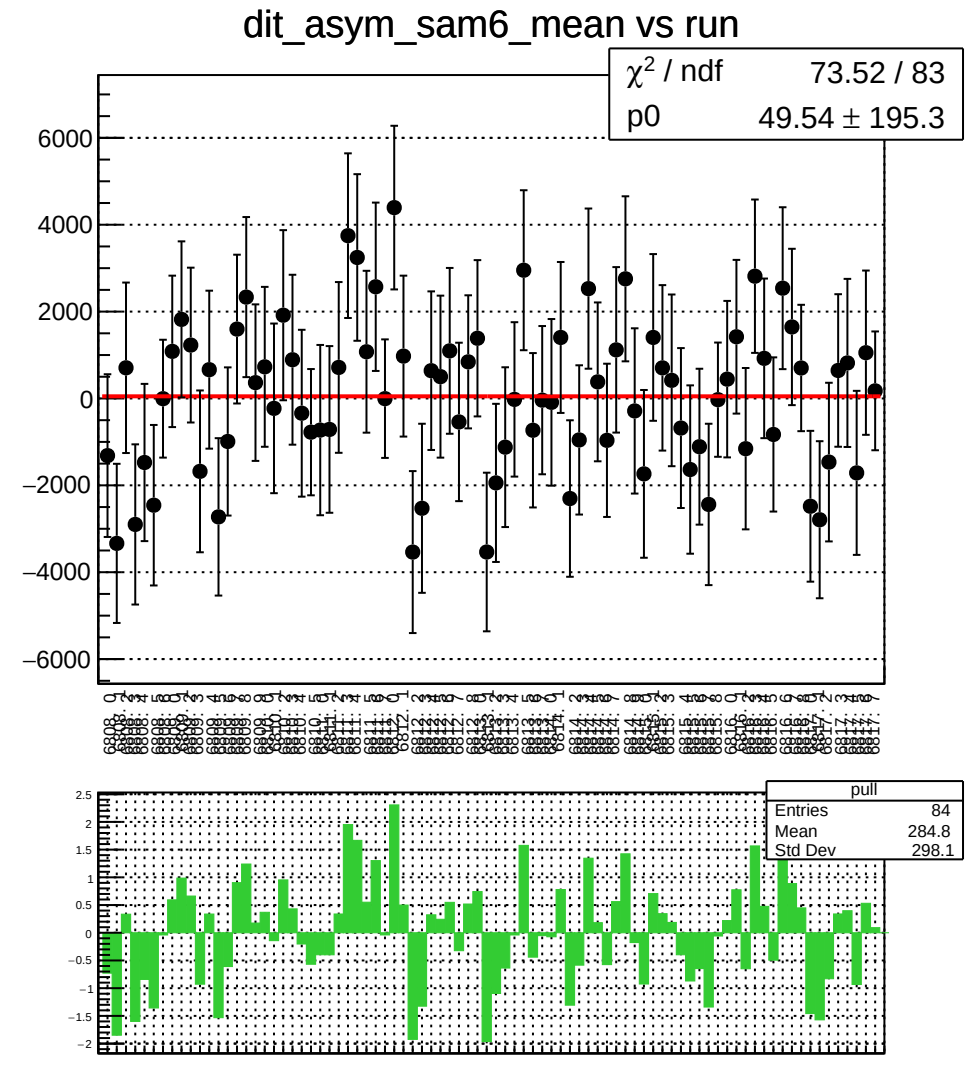

pull1D
Entries 84
Mean 0.005827
Std Dev 0.9237
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

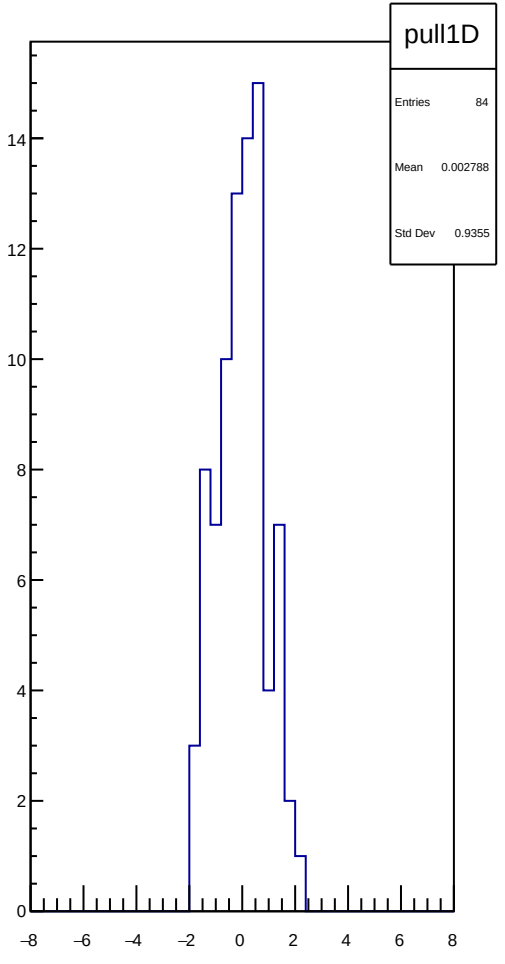

asym_sam5_correction_rms vs run
χ^2 / ndf 3180 / 83
p0 903.9 ± 0.7139
1020
1000
980
960
940
920
900
880
860
840
820

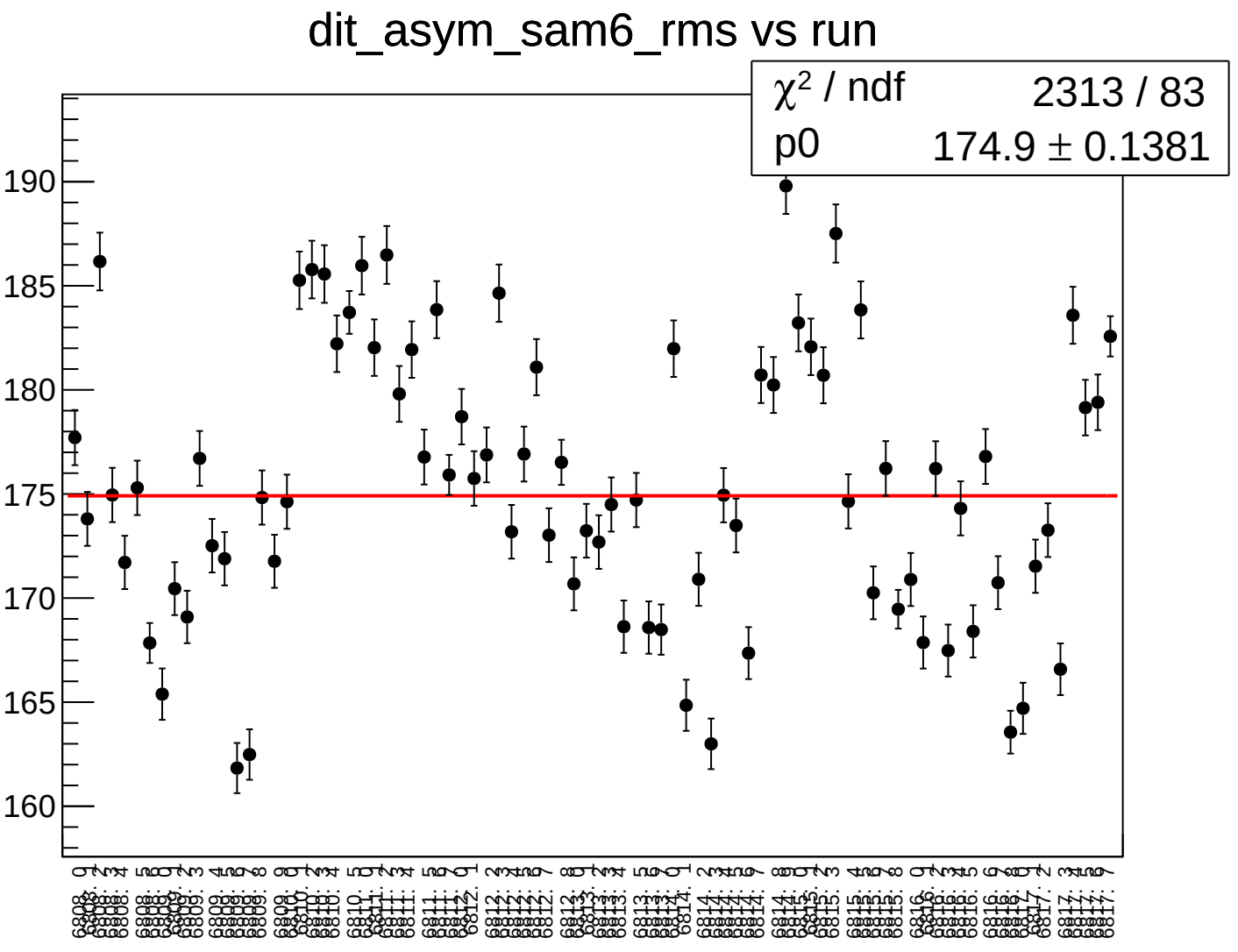

asym_sam5_mean vs run
χ² / ndf 71.92 / 83
p0 1006 ± 989.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 144.8
Std Dev 82.76
2
1
0
−1
−2

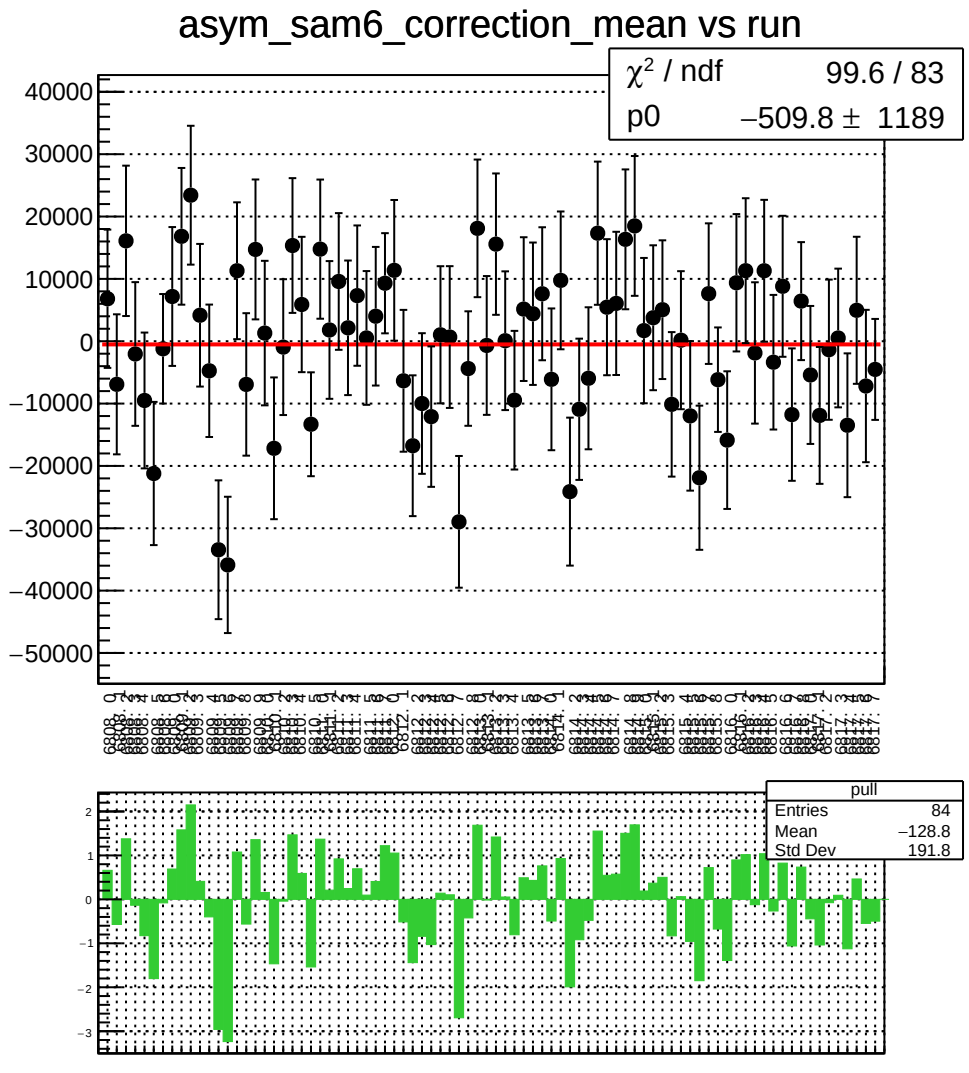

pull1D
Entries 84
Mean −0.006468
Std Dev 0.9253
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

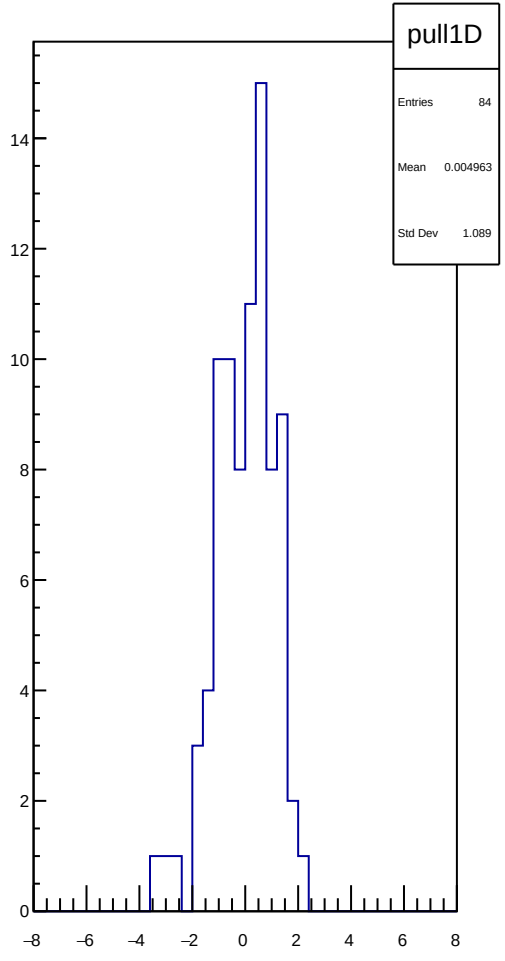

asym_sam5_rms vs run
χ² / ndf 3325 / 83
p0 885.8 ± 0.6997
1000
950
900
850
800

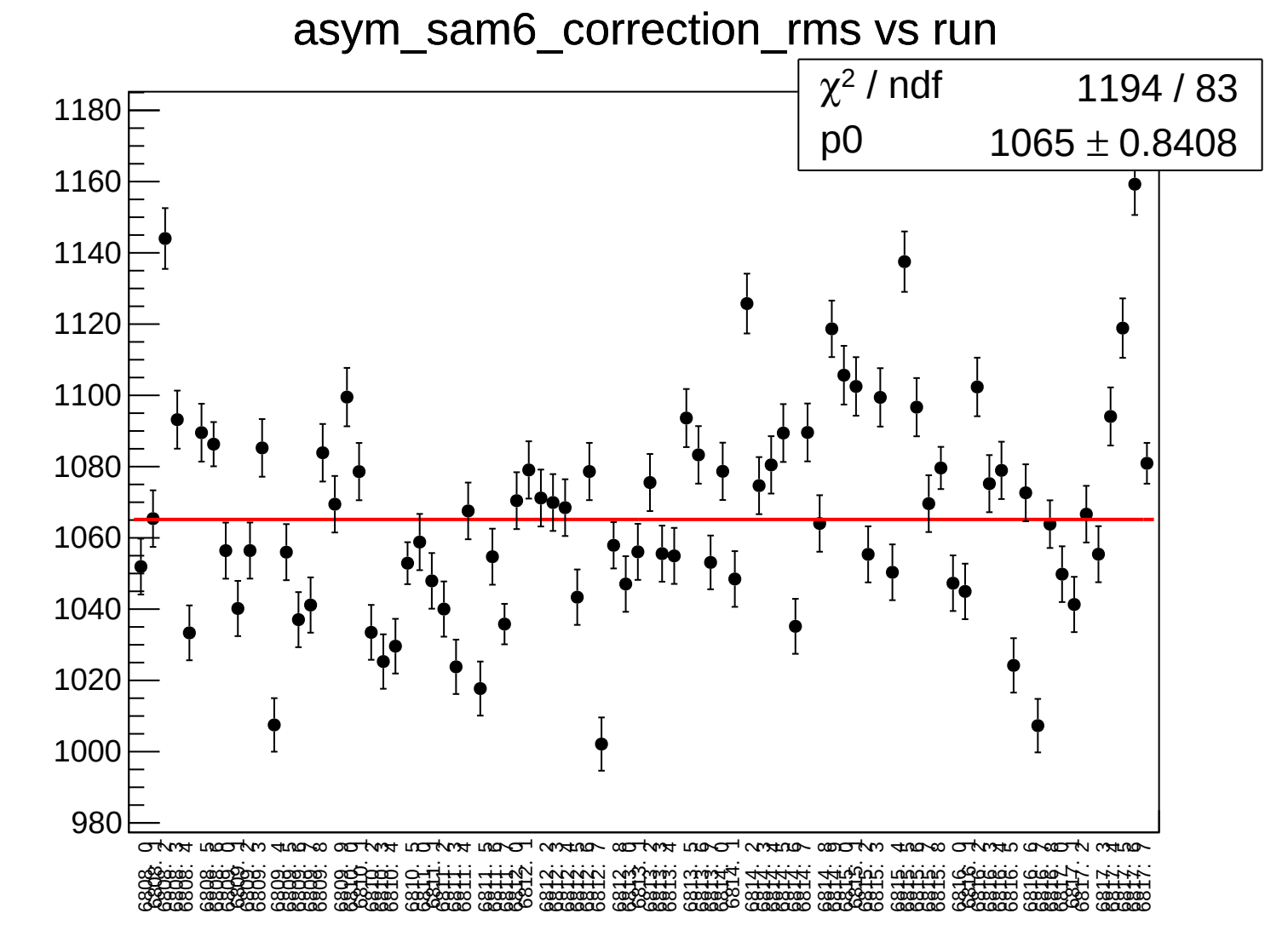

dit_asym_sam6_mean vs run
χ² / ndf 73.52 / 83
p0 49.54 ± 195.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 284.8
Std Dev 298.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

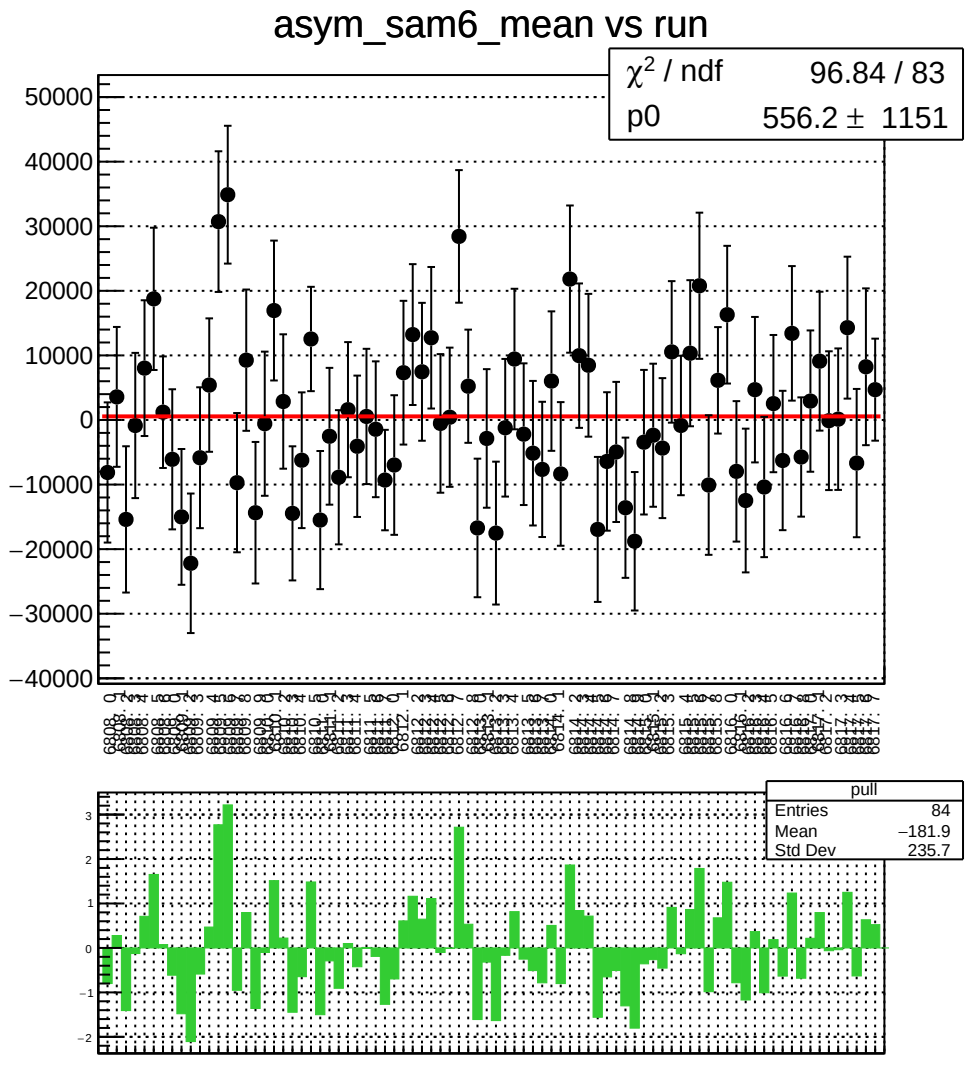

pull1D
Entries 84
Mean 0.002788
Std Dev 0.9355
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

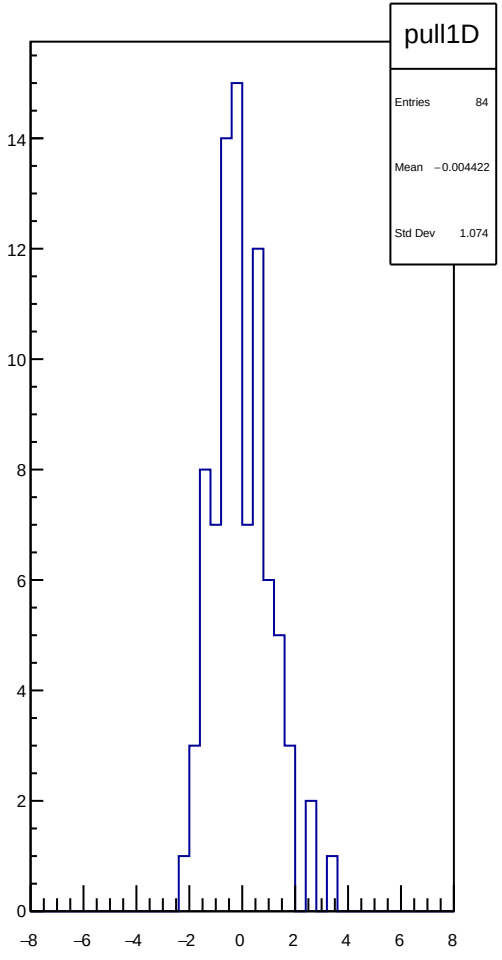

dit_asym_sam6_rms vs run
χ² / ndf 2313 / 83
p0 174.9 ± 0.1381
190
185
180
175
170
165
160

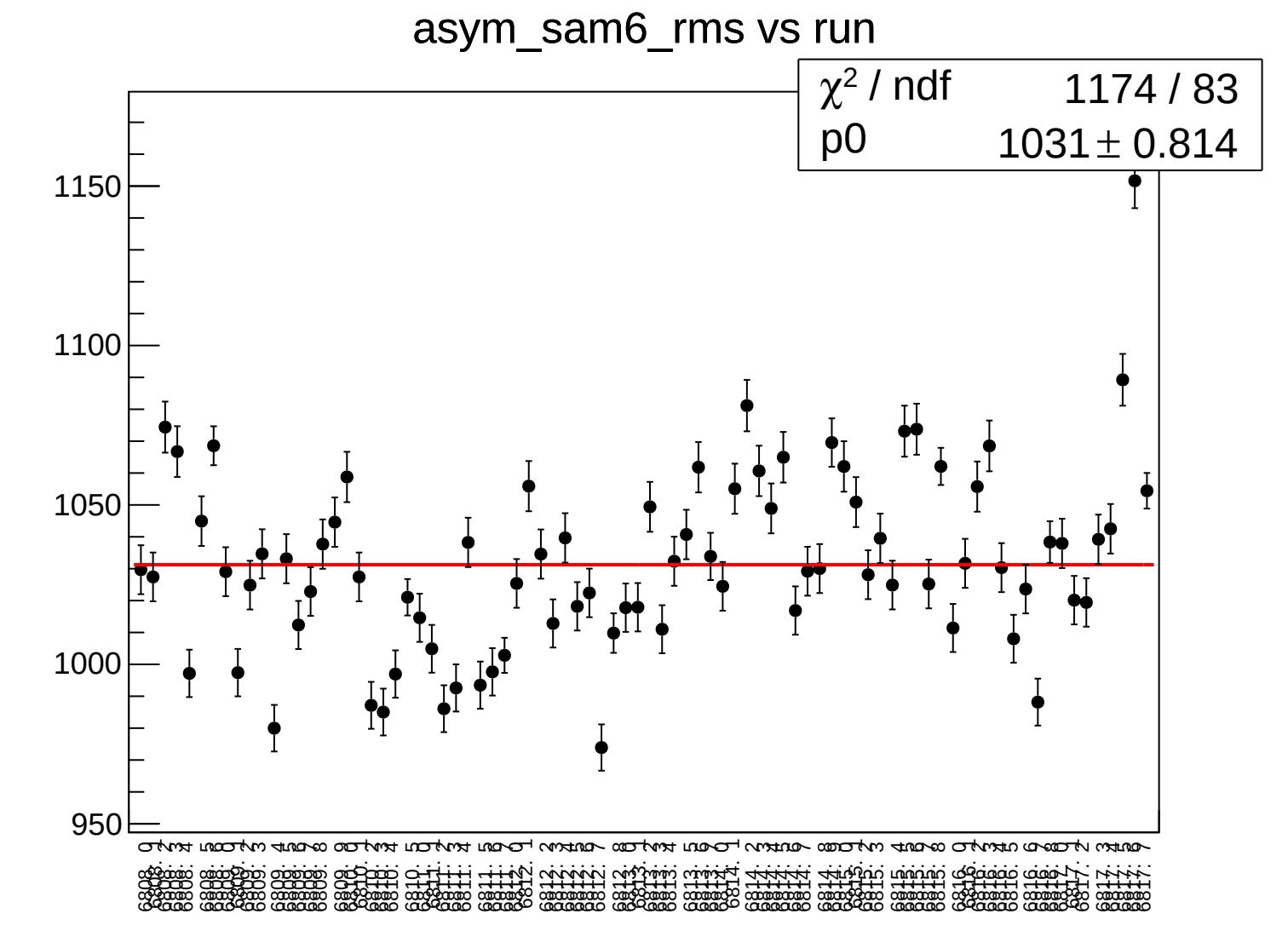

asym_sam6_correction_mean vs run
χ² / ndf 99.6 / 83
p0 −509.8 ± 1189
pull
Entries 84
Mean −128.8
Std Dev 191.8

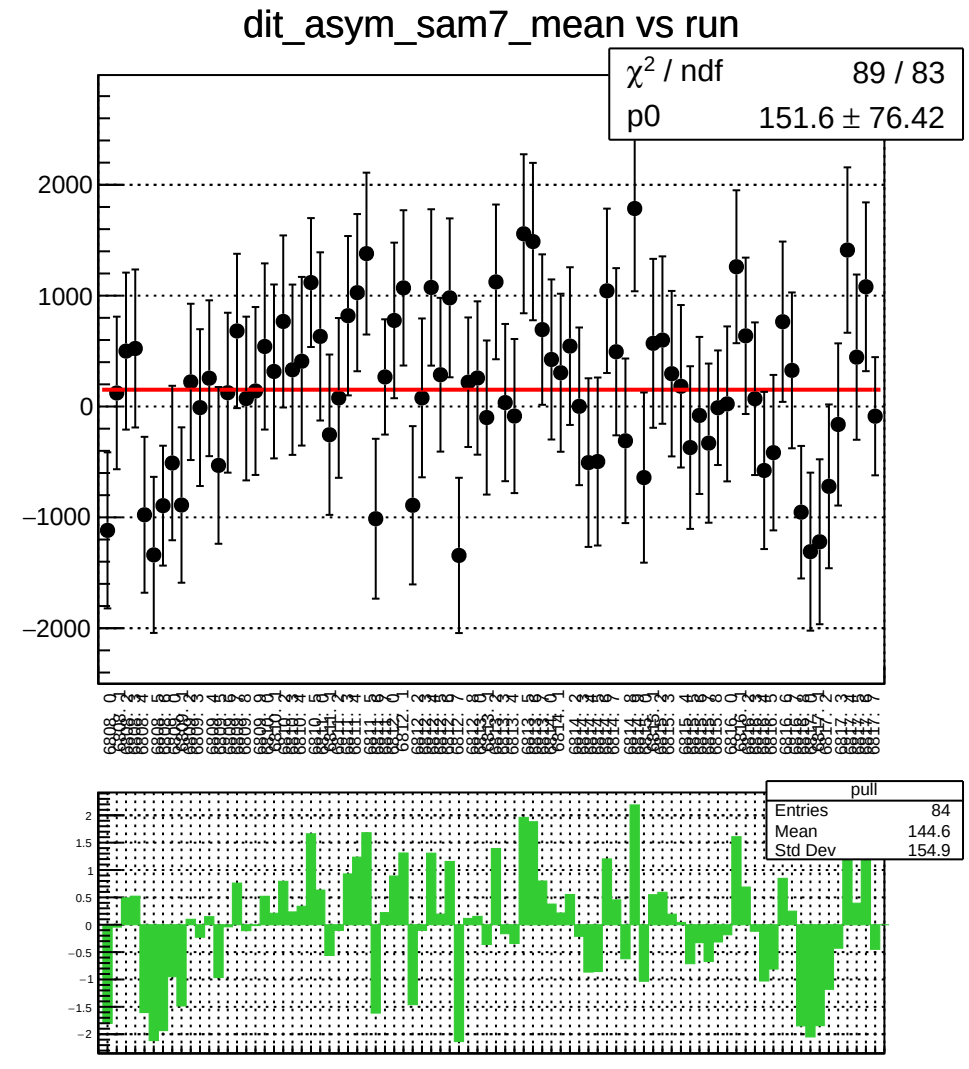

pull1D
Entries 84
Mean 0.004963
Std Dev 1.089

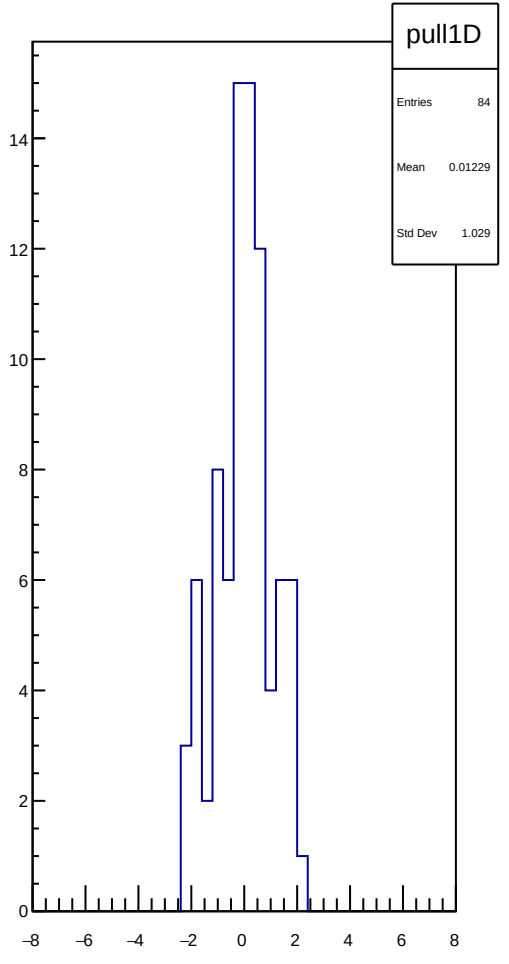

asym_sam6_correction_rms vs run
χ² / ndf 1194 / 83
p0 1065 ± 0.8408
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

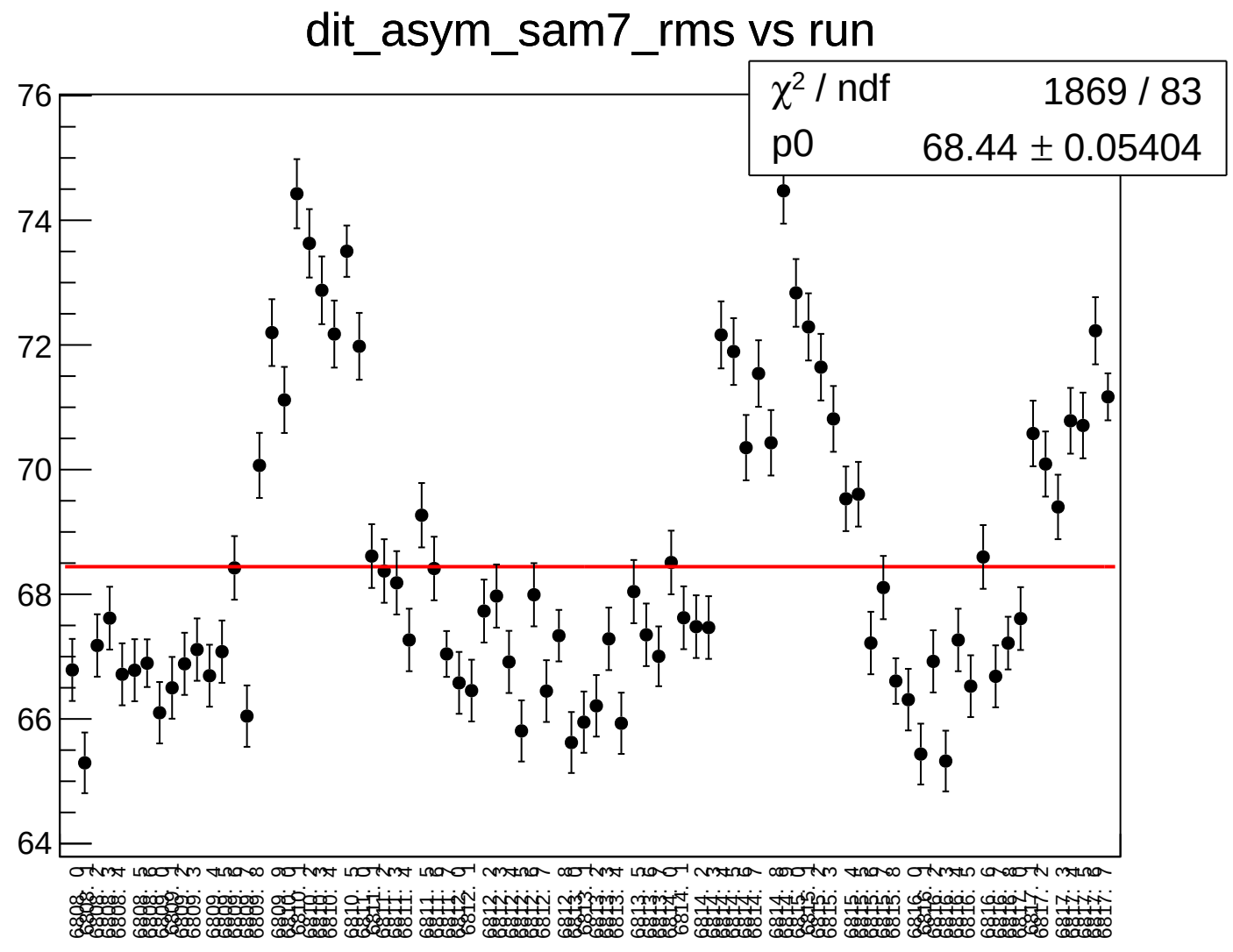

asym_sam6_mean vs run
χ² / ndf 96.84 / 83
p0 556.2 ± 1151
pull
Entries 84
Mean −181.9
Std Dev 235.7

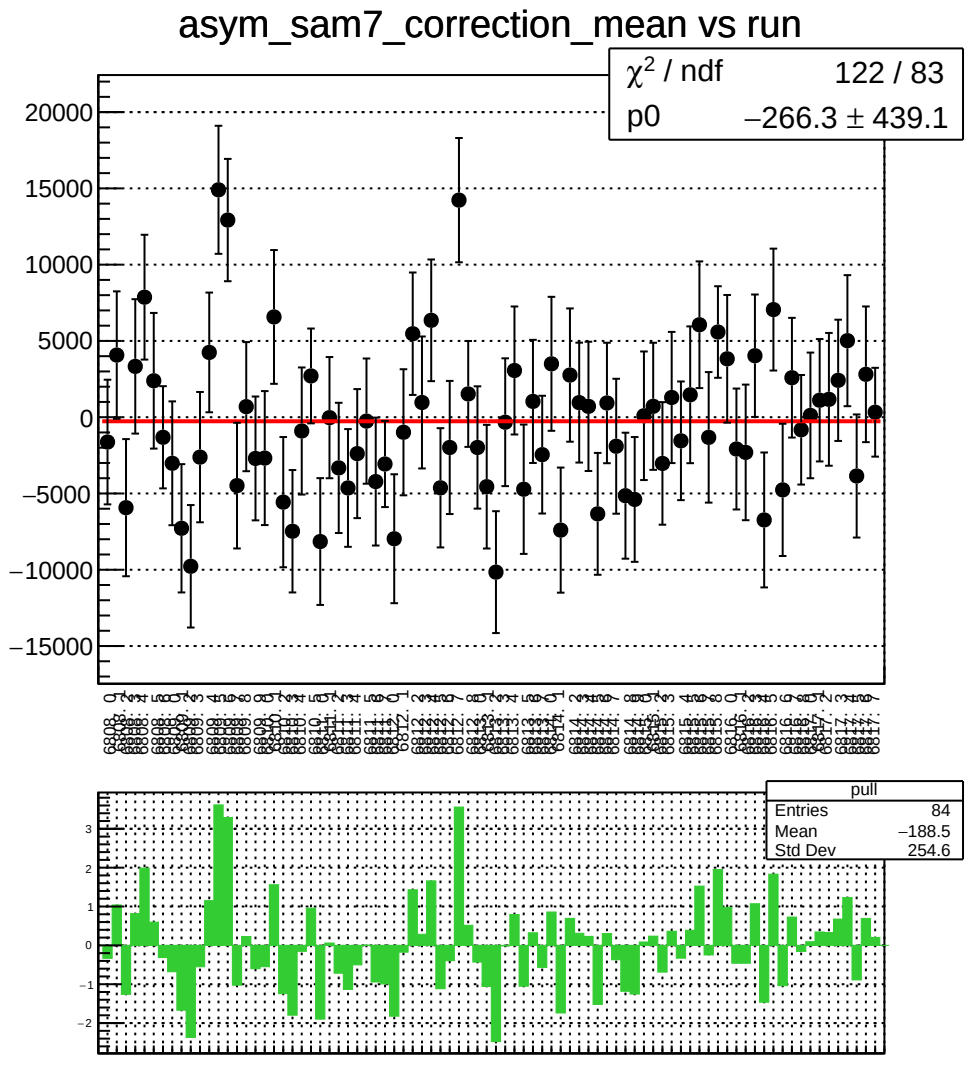

pull1D
Entries 84
Mean −0.004422
Std Dev 1.074

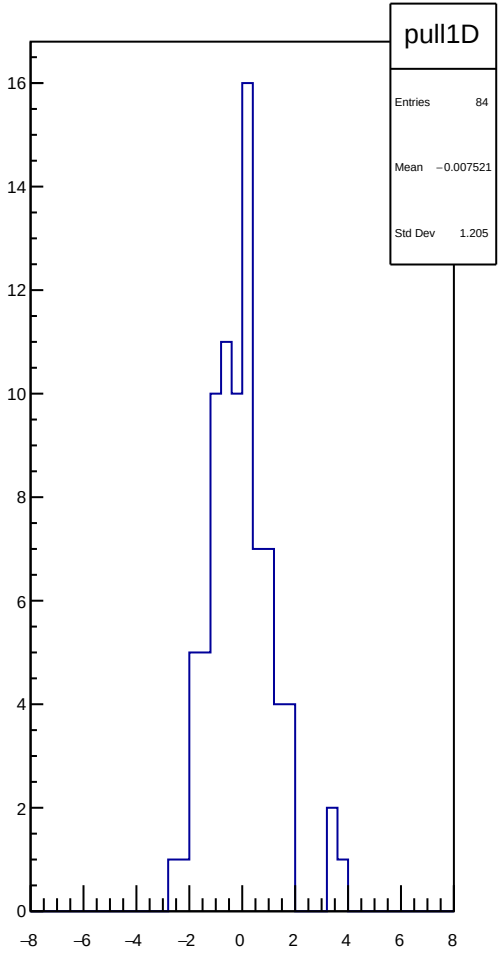

asym_sam6_rms vs run
χ^2 / ndf 1174 / 83
p0 1031 ± 0.814
1150
1100
1050
1000
950

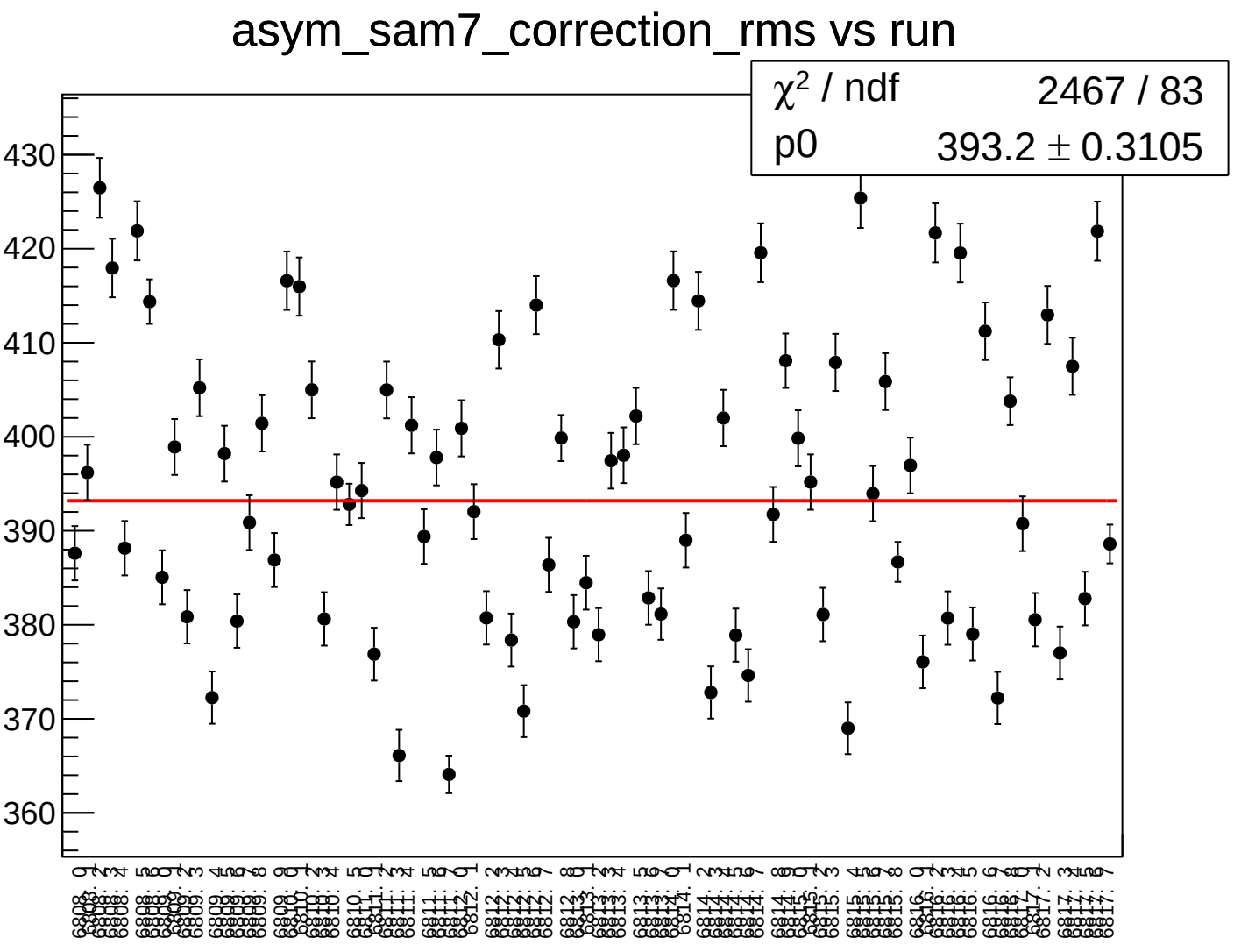

dit_asym_sam7_mean vs run
χ² / ndf 89 / 83
p0 151.6 ± 76.42
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 144.6
Std Dev 154.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

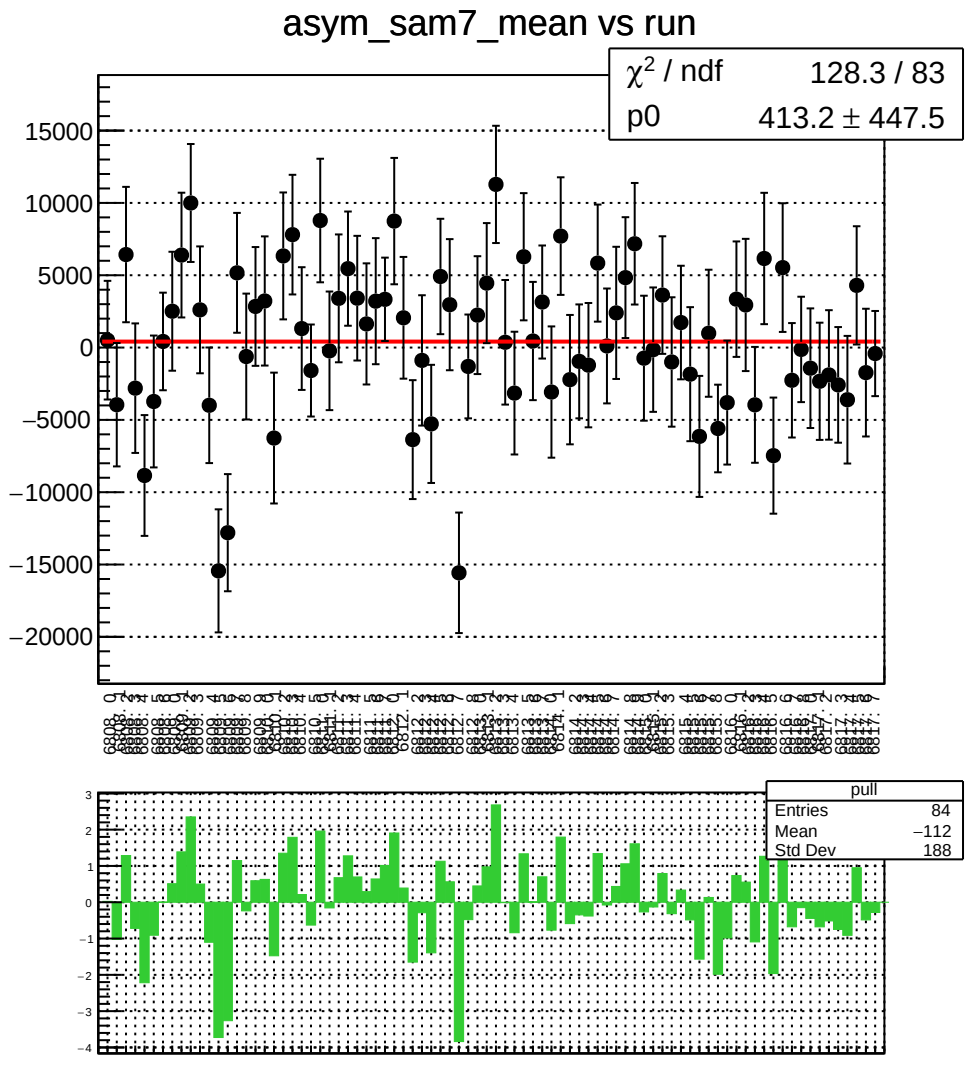

pull1D
Entries 84
Mean 0.01229
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

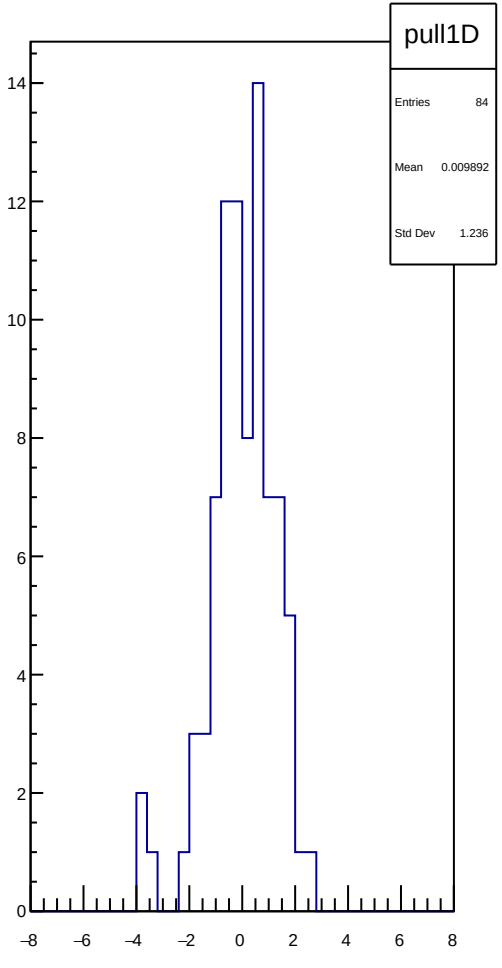

dit_asym_sam7_rms vs run
χ^2 / ndf 1869 / 83
p0 68.44 ± 0.05404
76
74
72
70
68
66
64

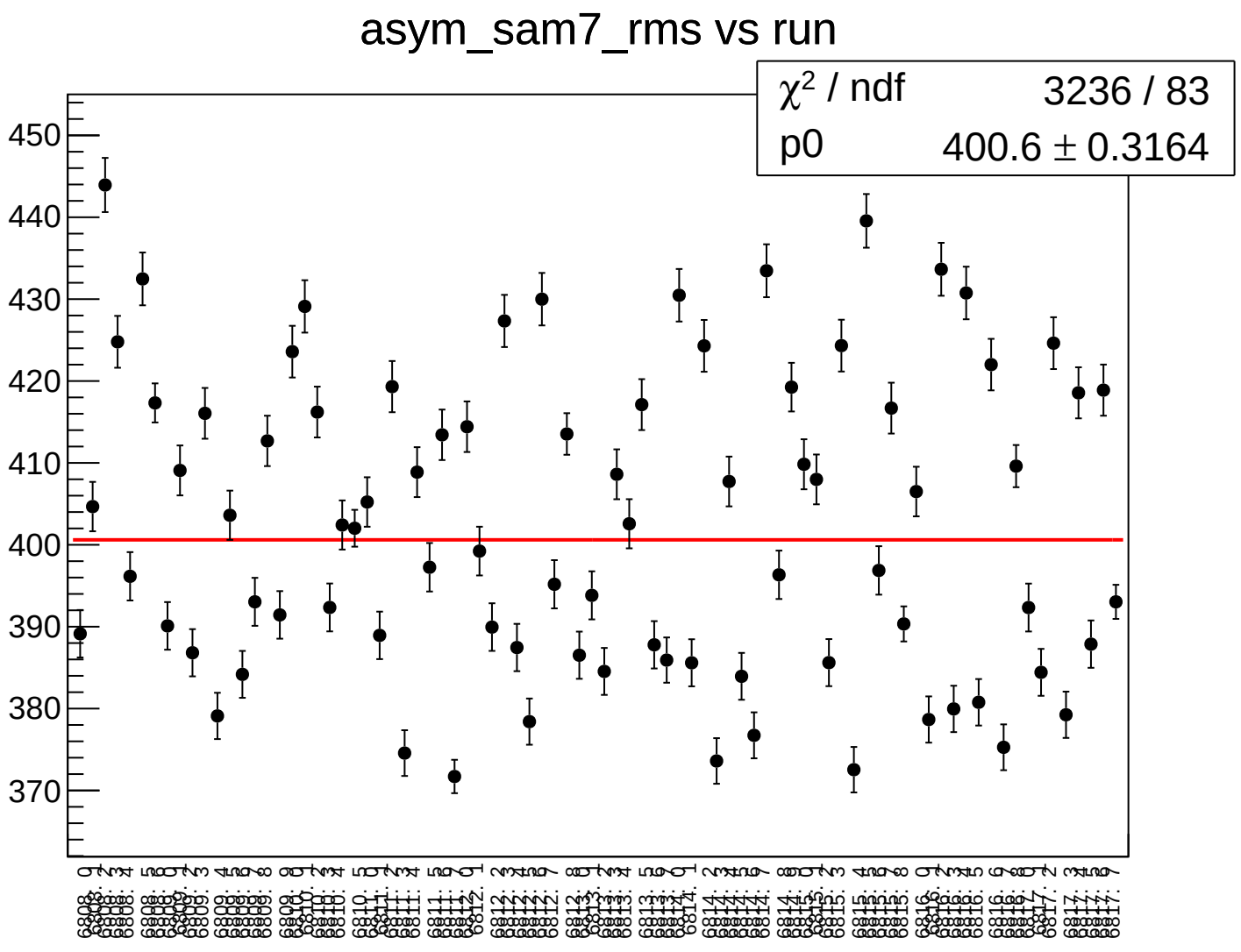

asym_sam7_correction_mean vs run
χ² / ndf 122 / 83
p0 −266.3 ± 439.1
pull
Entries 84
Mean −188.5
Std Dev 254.6

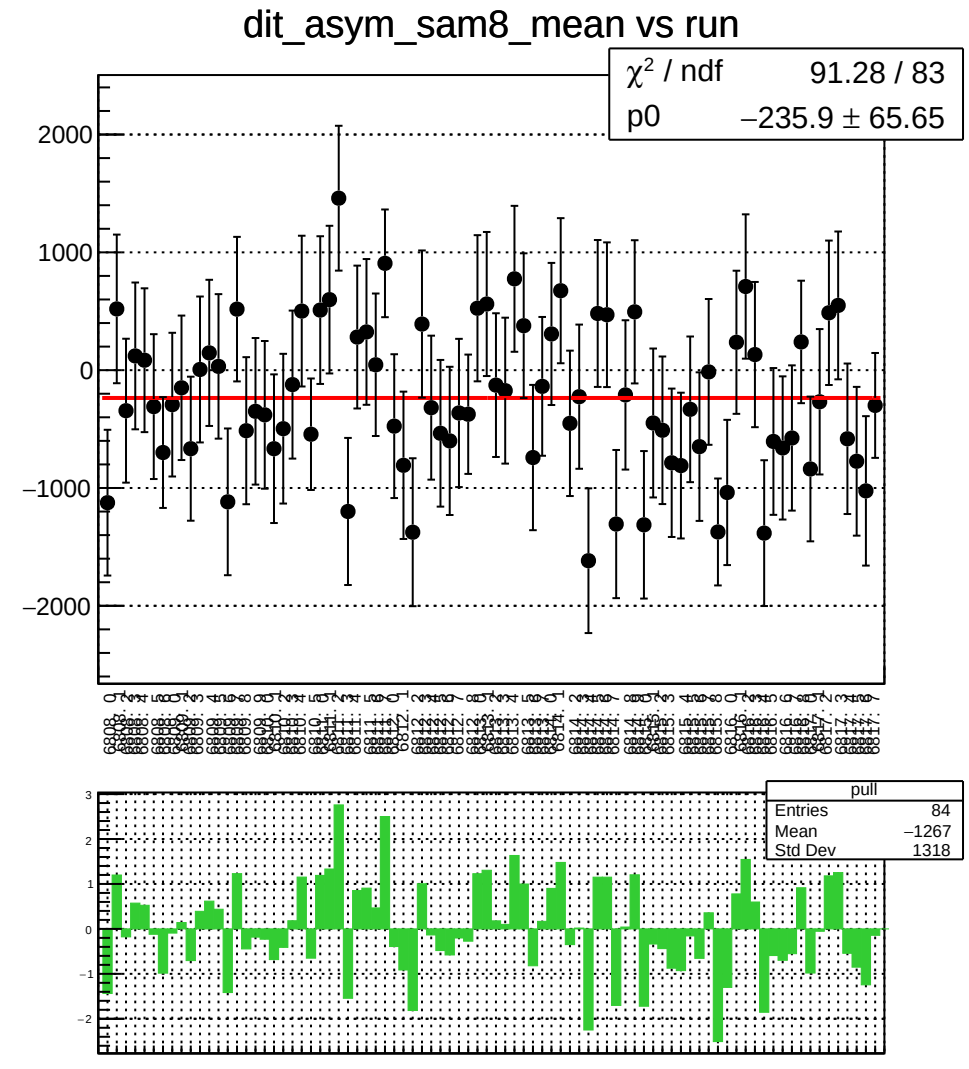

pull1D
Entries 84
Mean −0.007521
Std Dev 1.205

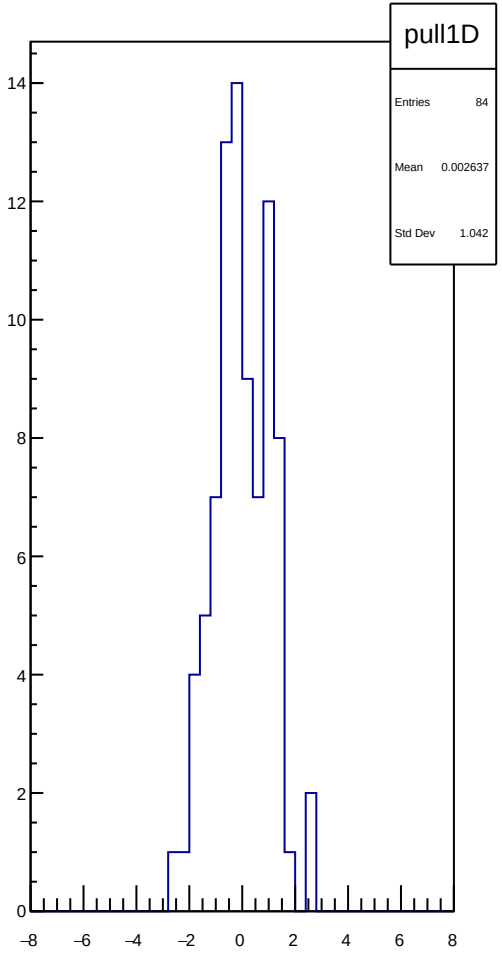

asym_sam7_correction_rms vs run
χ² / ndf 2467 / 83
p0 393.2 ± 0.3105
430
420
410
400
390
380
370
360

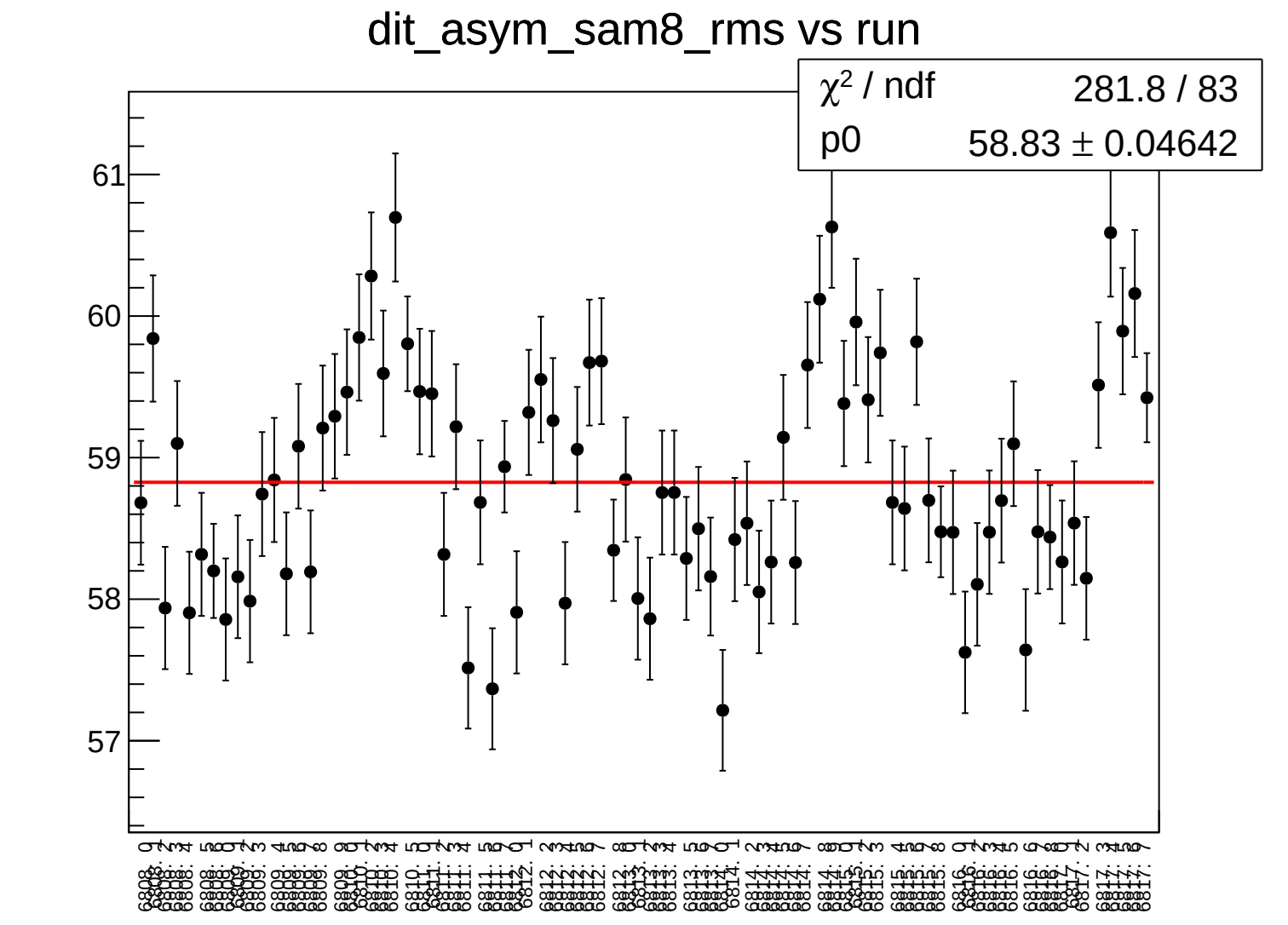

asym_sam7_mean vs run
χ² / ndf 128.3 / 83
p0 413.2 ± 447.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 84
Mean −112
Std Dev 188
3
2
1
0
−1
−2
−3
−4

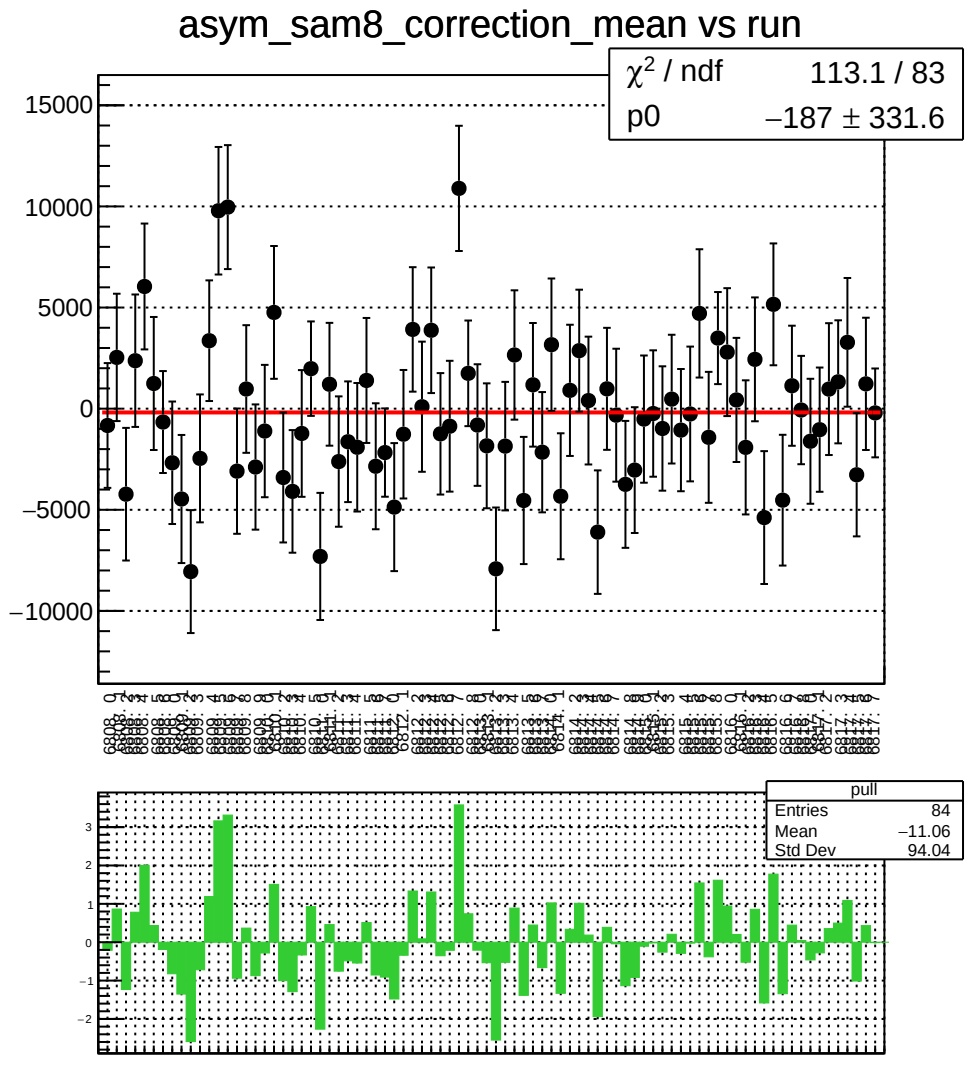

pull1D
Entries 84
Mean 0.009892
Std Dev 1.236
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

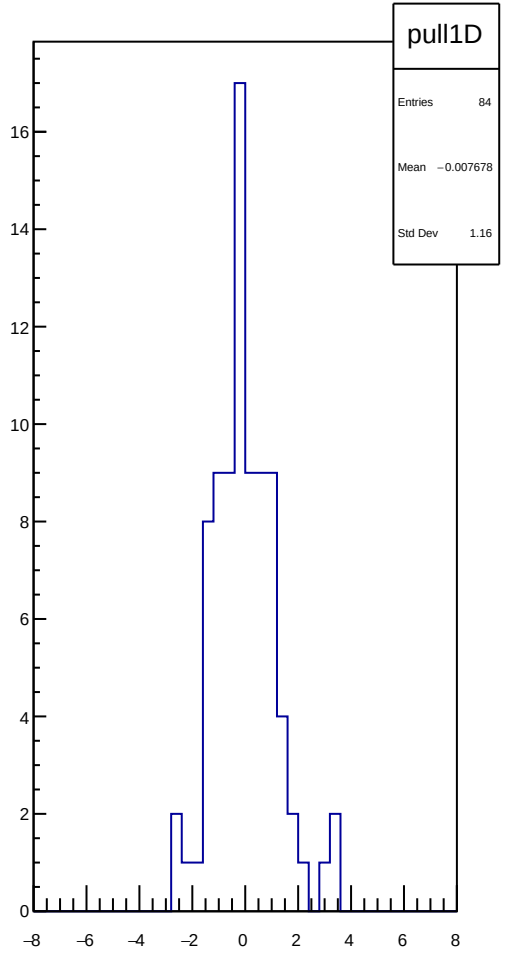

asym_sam7_rms vs run
χ² / ndf 3236 / 83
p0 400.6 ± 0.3164
450
440
430
420
410
400
390
380
370

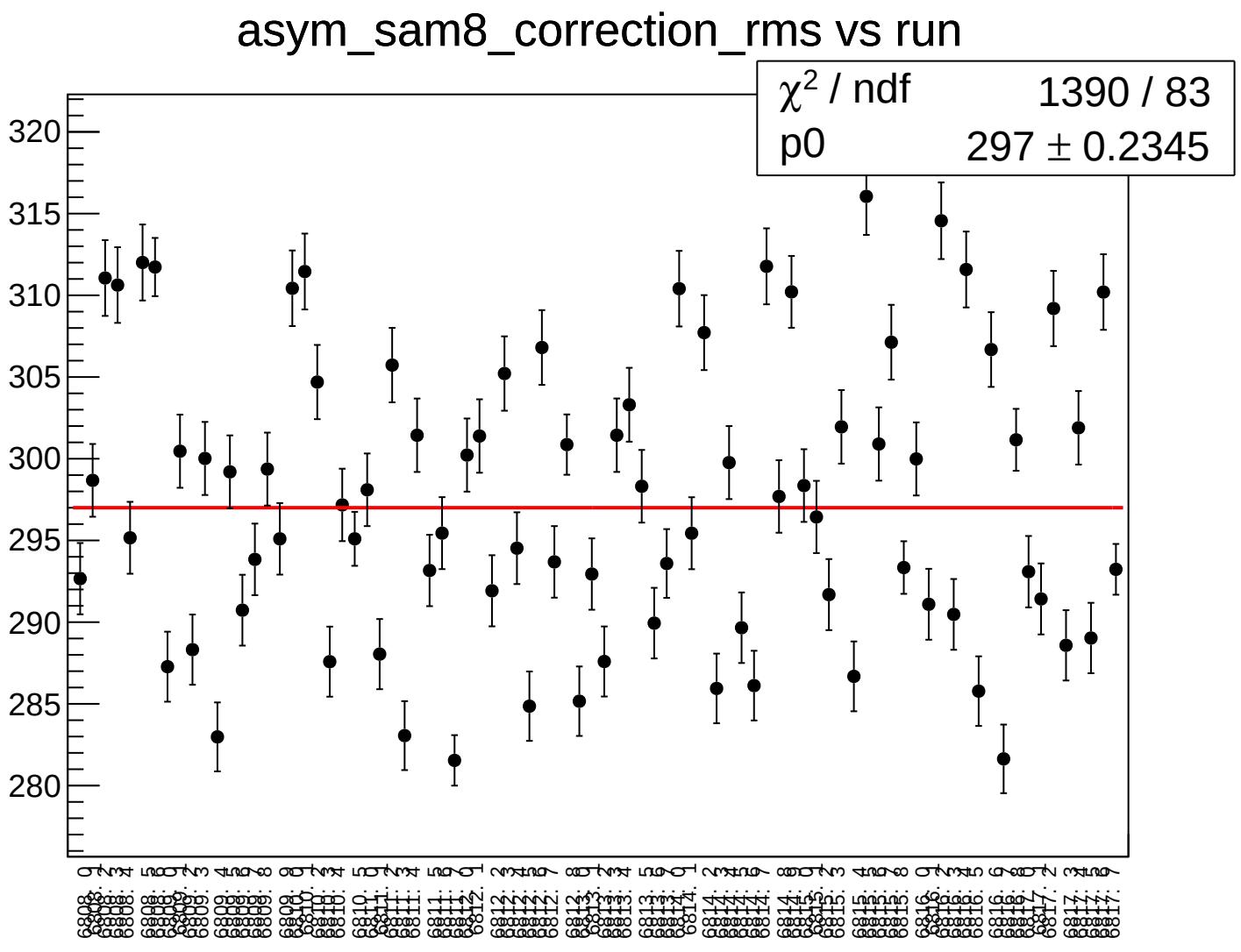

dit_asym_sam8_mean vs run
χ² / ndf 91.28 / 83
p0 −235.9 ± 65.65
2000
1000
0
−1000
−2000
pull
Entries 84
Mean −1267
Std Dev 1318
3
2
1
0
−1
−2

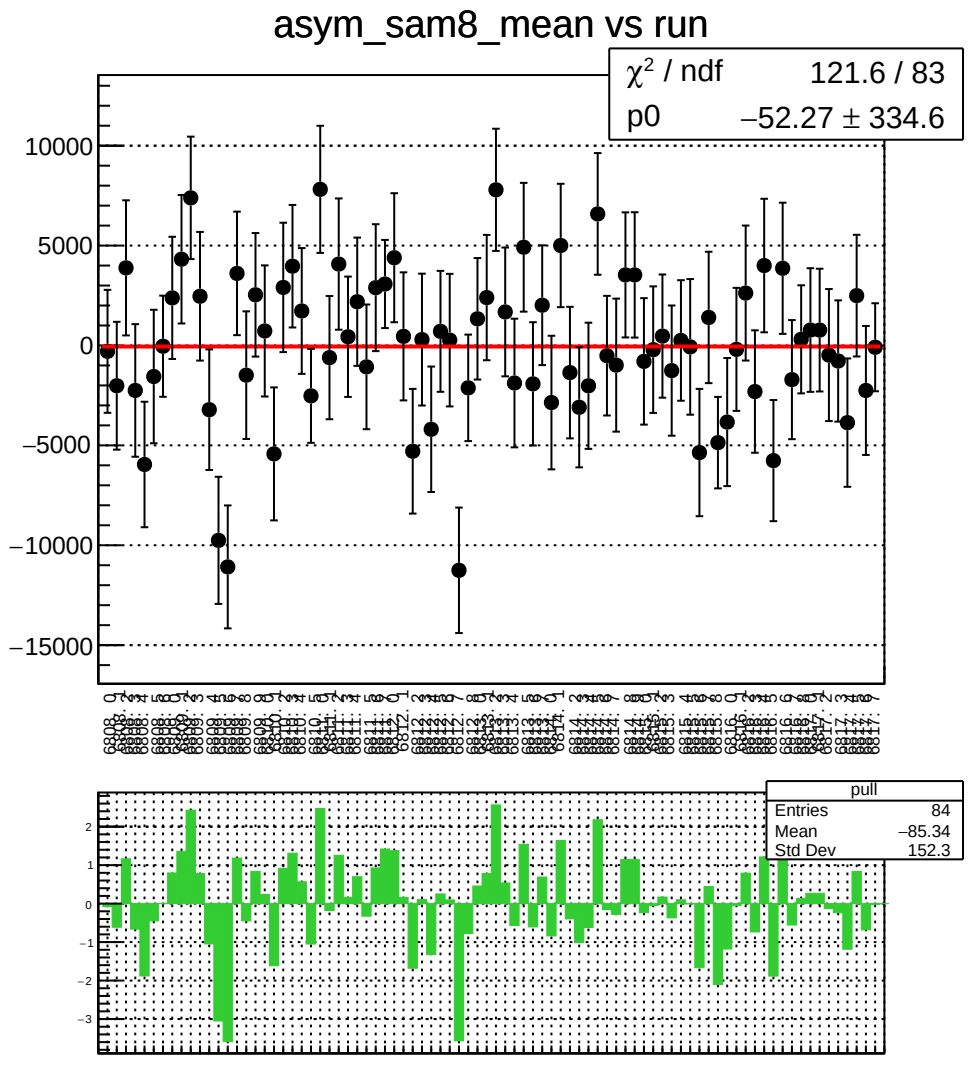

pull1D
Entries 84
Mean 0.002637
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

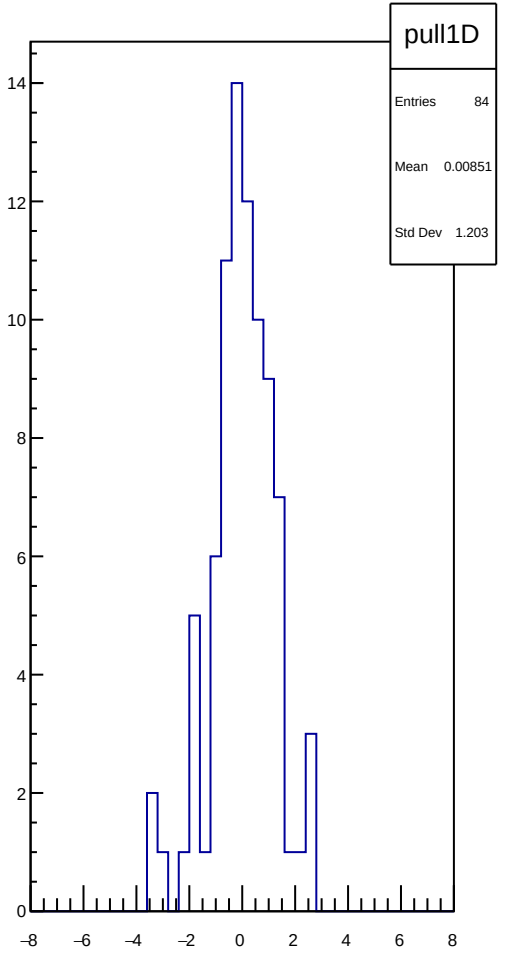

dit_asym_sam8_rms vs run
χ² / ndf 281.8 / 83
p0 58.83 ± 0.04642
61
60
59
58
57

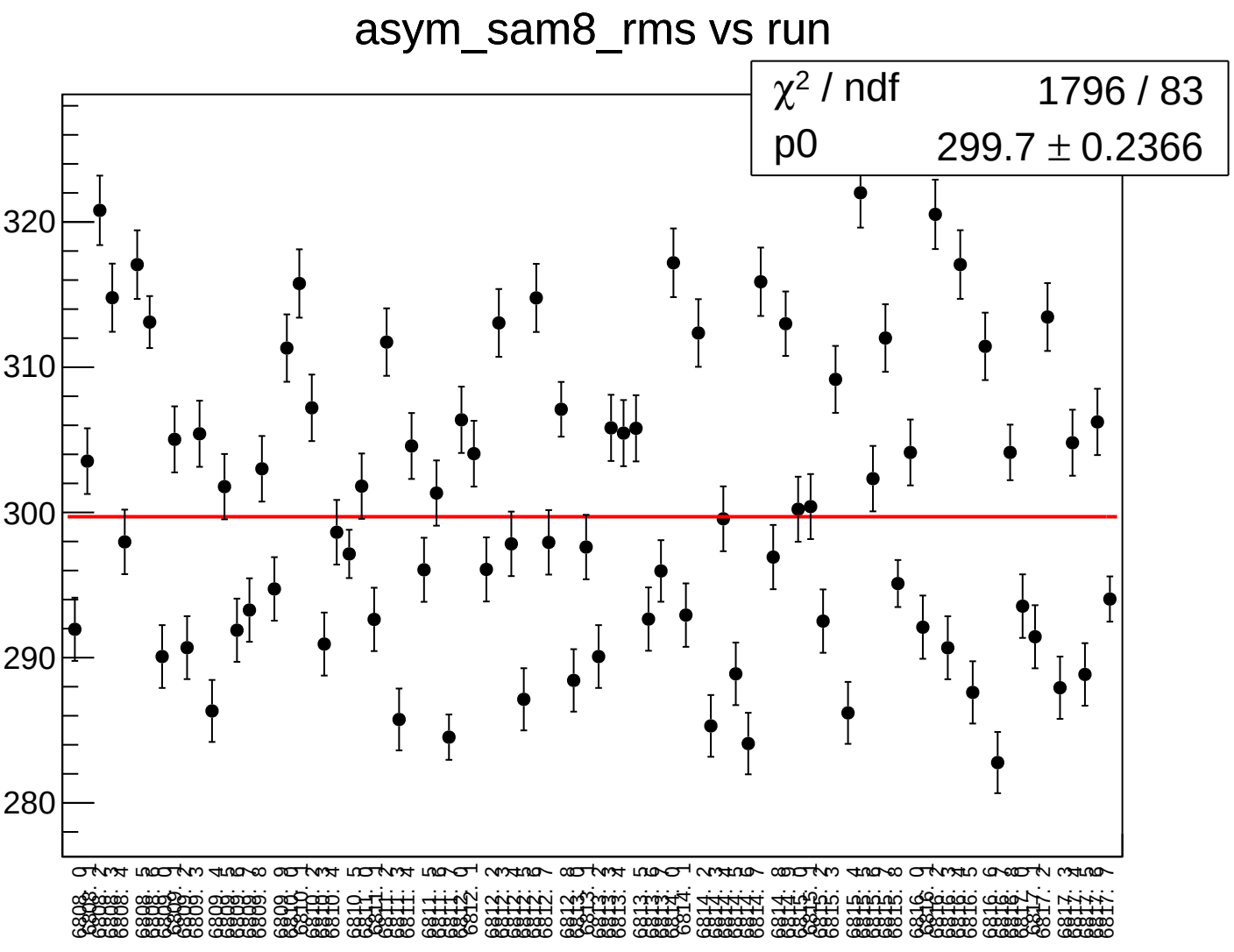

asym_sam8_correction_mean vs run
χ² / ndf 113.1 / 83
p0 −187 ± 331.6
15000
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −11.06
Std Dev 94.04
3
2
1
0
−1
−2

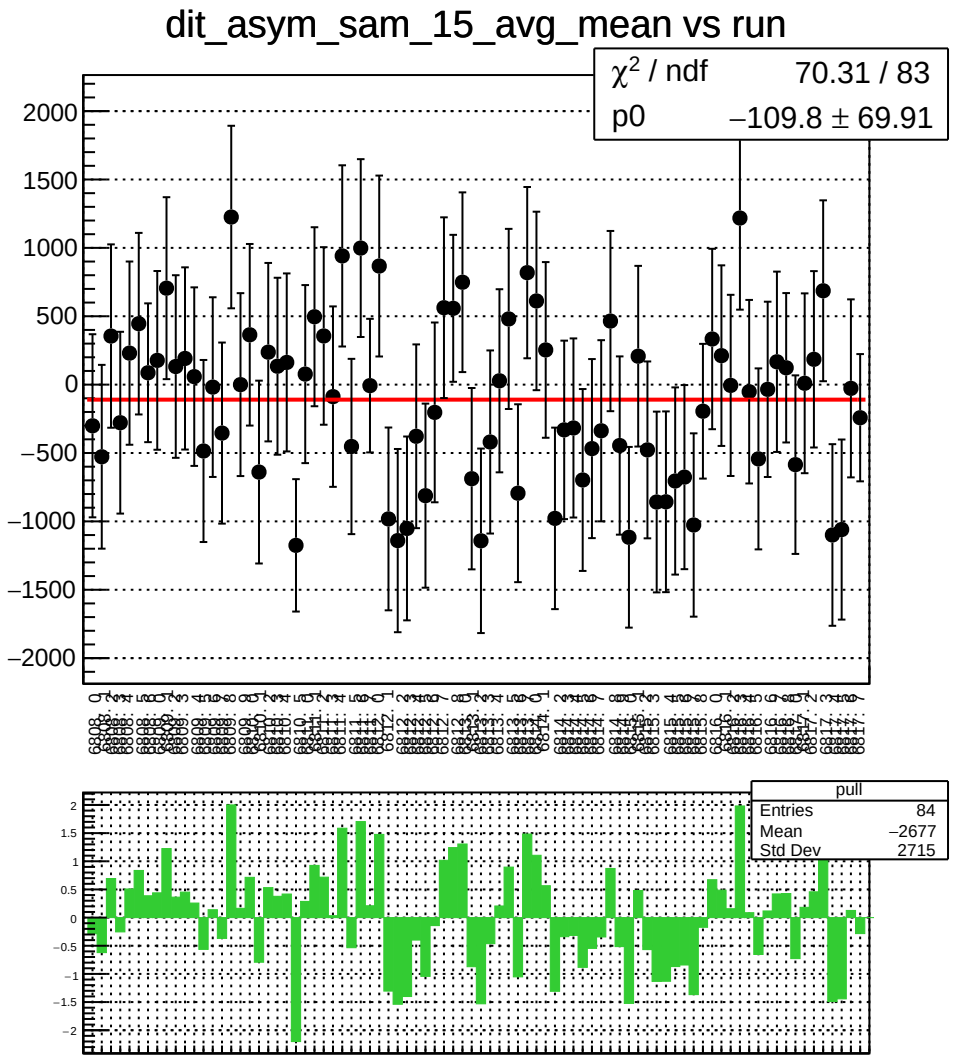

pull1D
Entries 84
Mean −0.007678
Std Dev 1.16
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

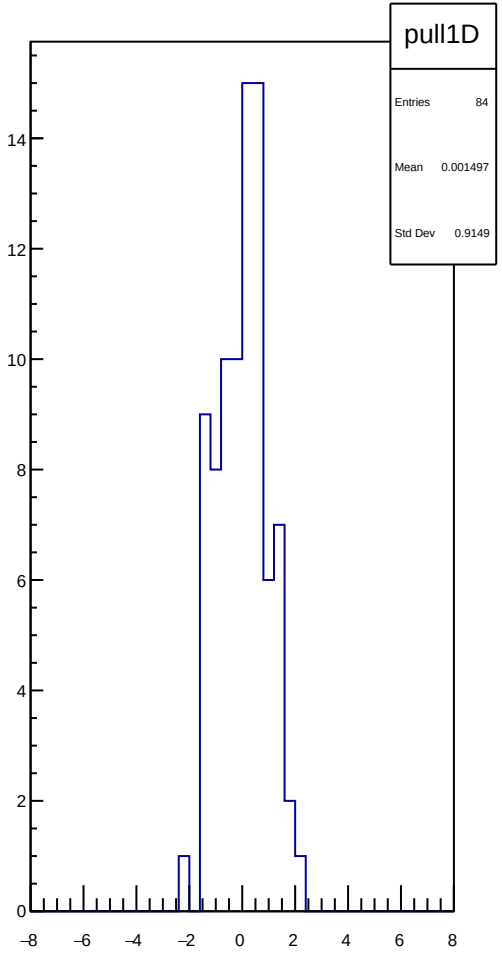

asym_sam8_correction_rms vs run
χ² / ndf 1390 / 83
p0 297 ± 0.2345
320
315
310
305
300
295
290
285
280

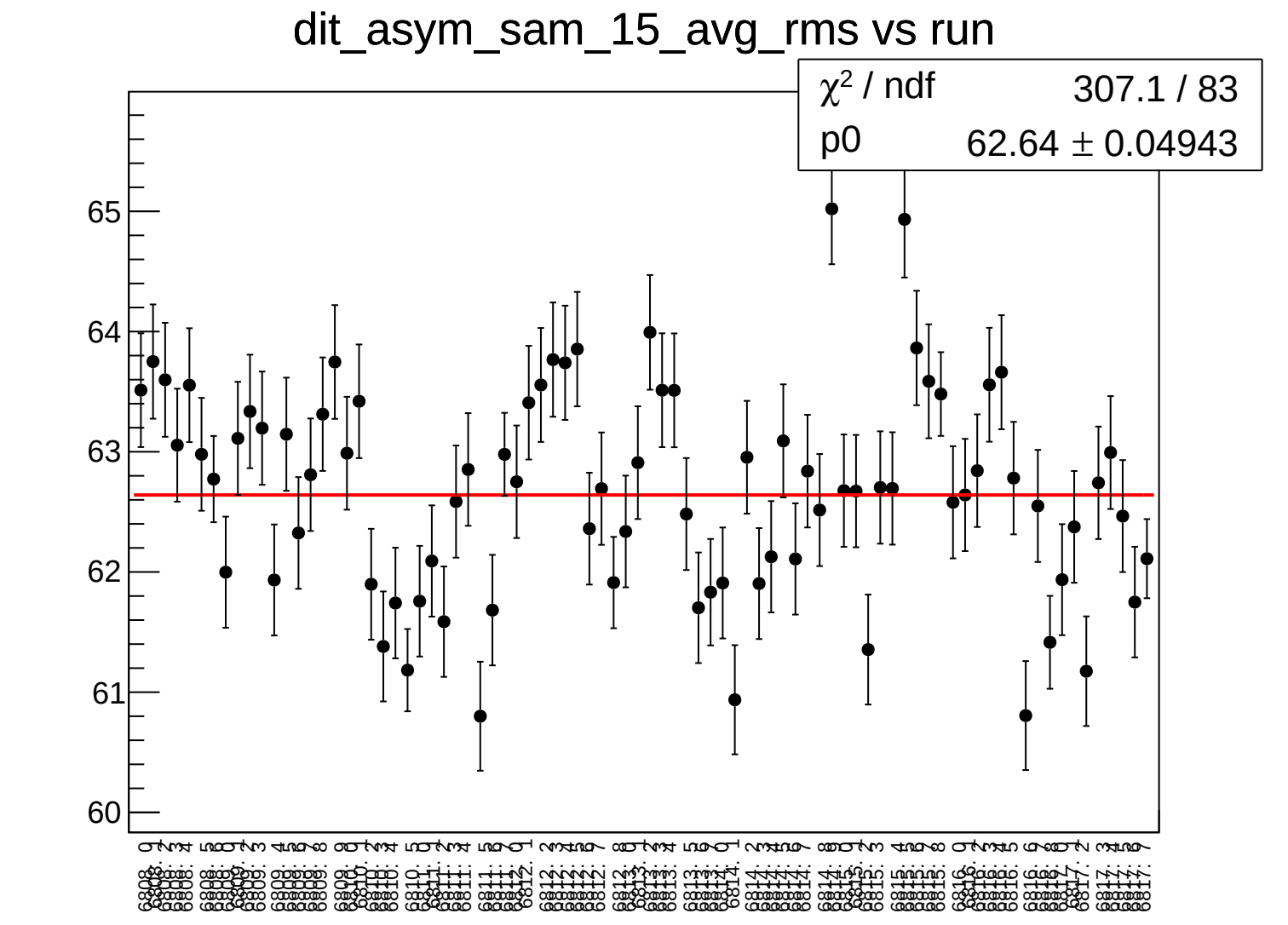

asym_sam8_mean vs run
χ² / ndf 121.6 / 83
p0 −52.27 ± 334.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −85.34
Std Dev 152.3
2
1
0
−1
−2
−3

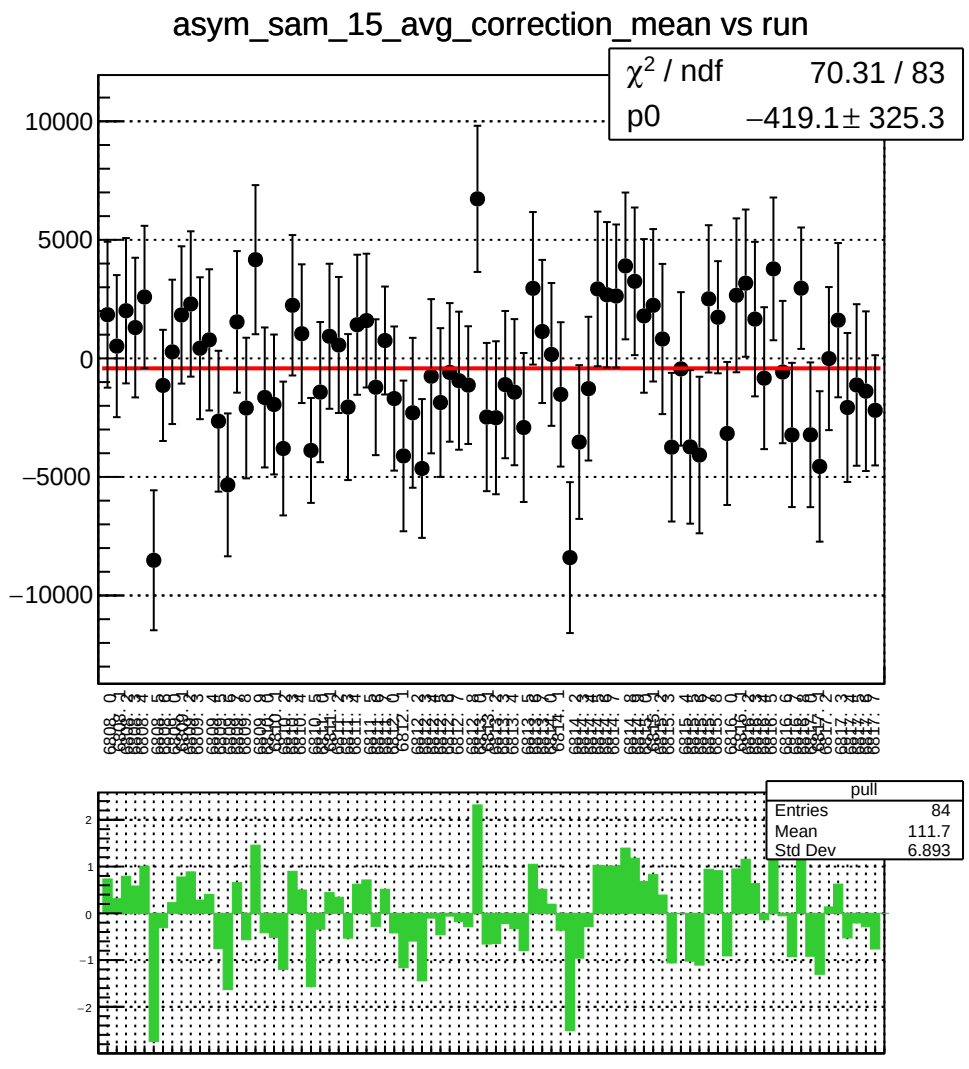

pull1D
Entries 84
Mean 0.00851
Std Dev 1.203
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

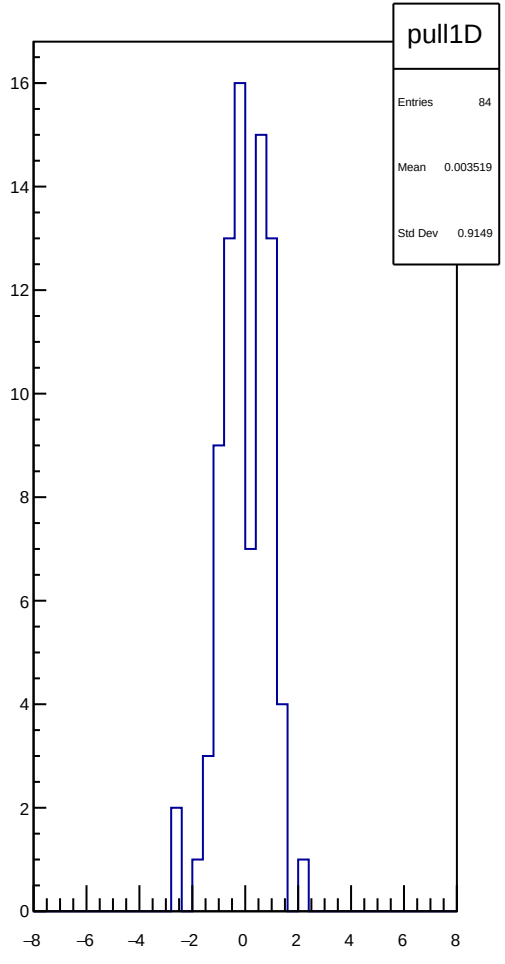

asym_sam8_rms vs run
χ² / ndf 1796 / 83
p0 299.7 ± 0.2366
320
310
300
290
280

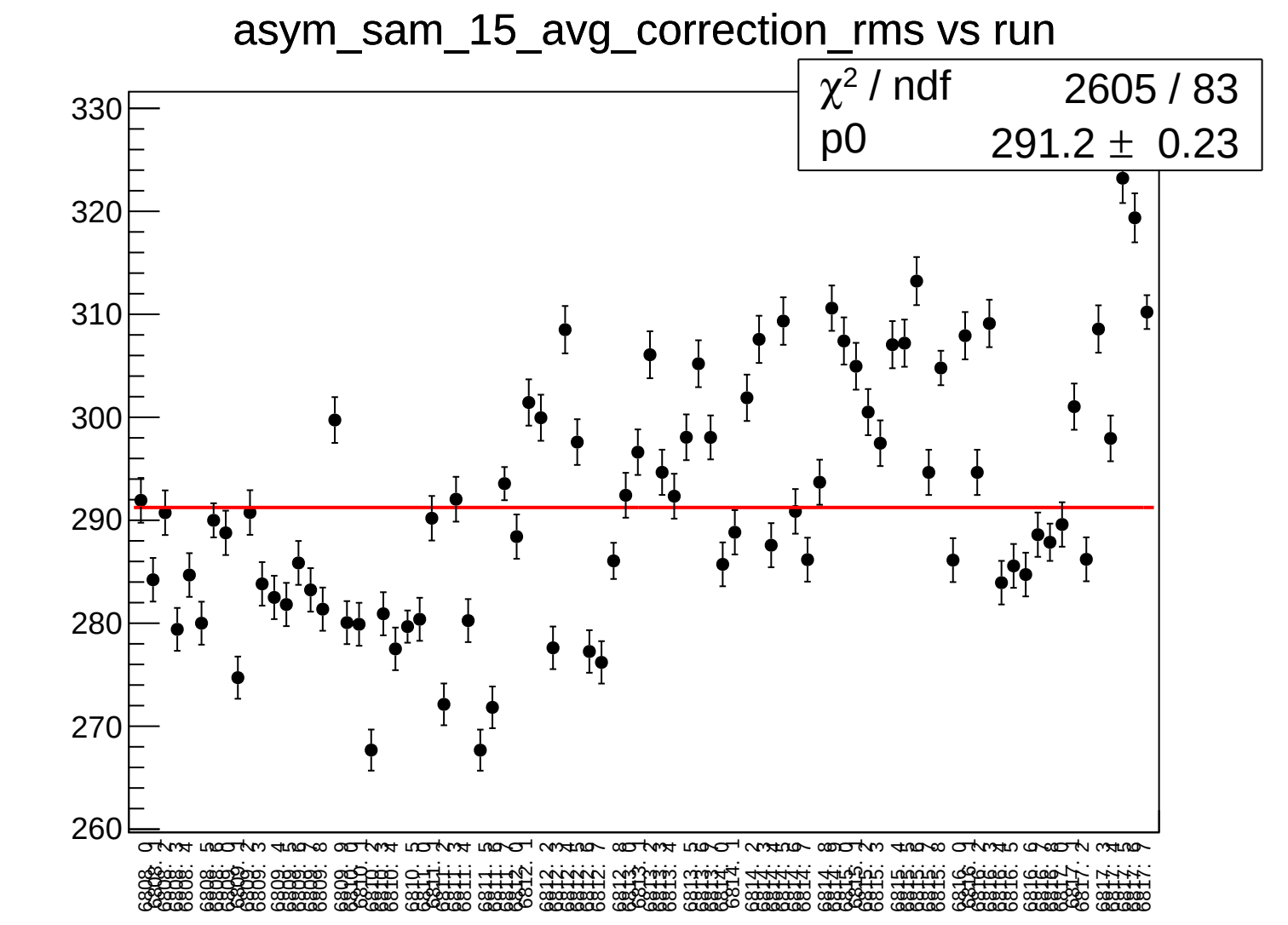

dit_asym_sam_15_avg_mean vs run
χ² / ndf 70.31 / 83
p0 −109.8 ± 69.91
pull
Entries 84
Mean −2677
Std Dev 2715

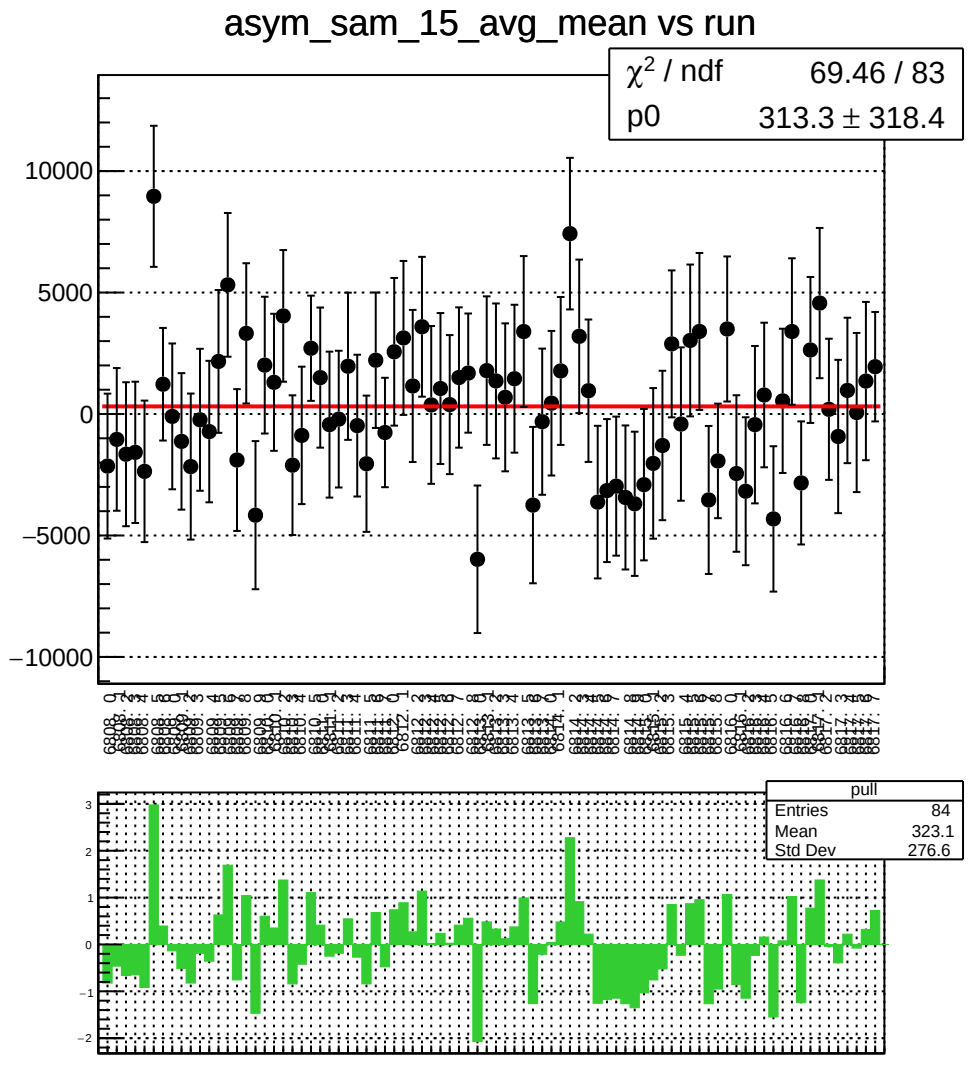

pull1D
Entries 84
Mean 0.001497
Std Dev 0.9149

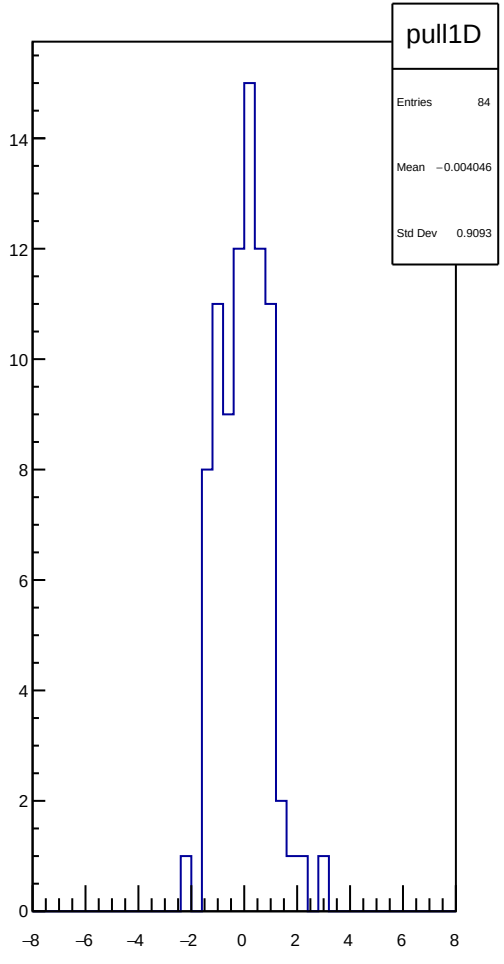

dit_asym_sam_15_avg_rms vs run
χ² / ndf 307.1 / 83
p0 62.64 ± 0.04943
65
64
63
62
61
60

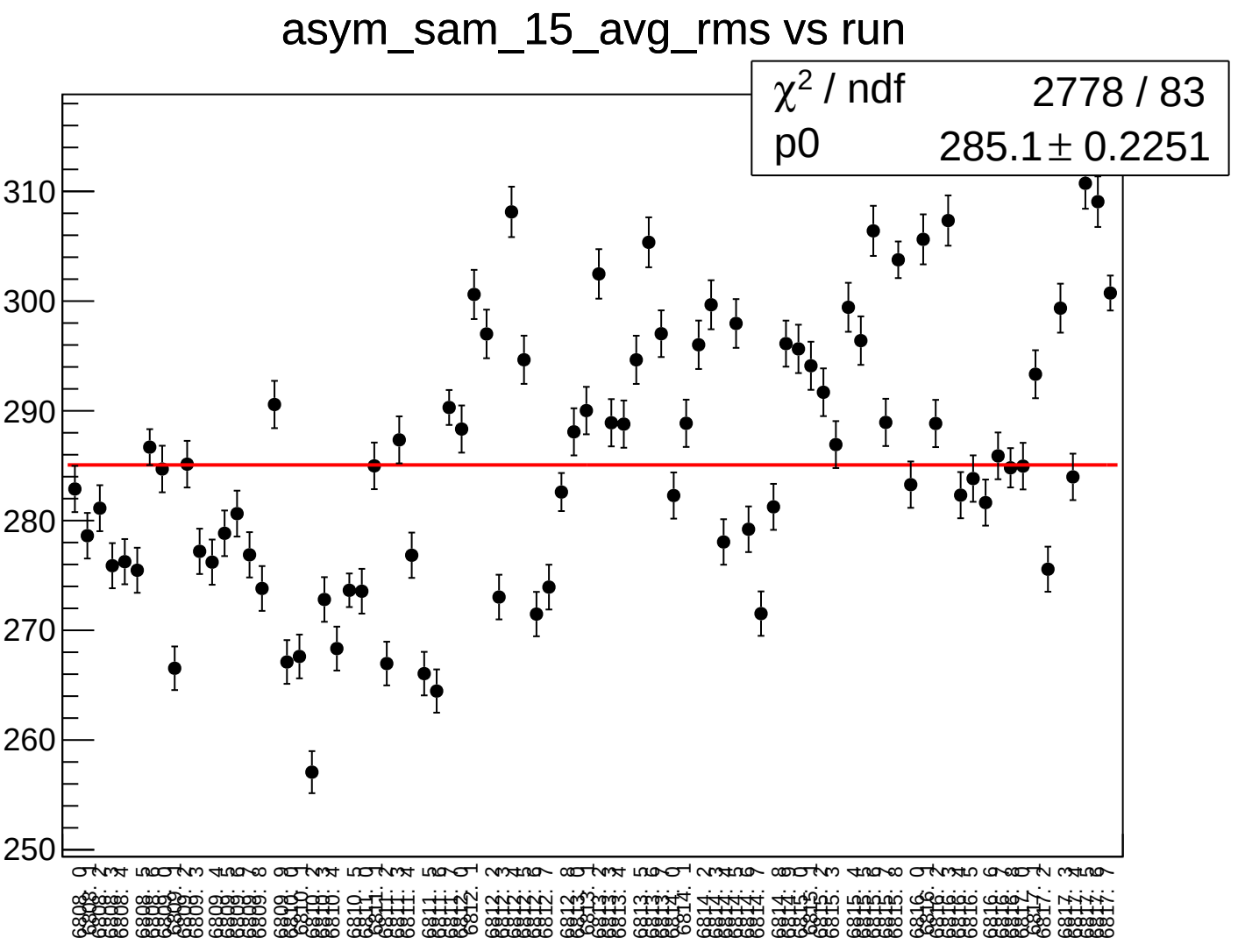

asym_sam_15_avg_correction_mean vs run
χ² / ndf 70.31 / 83
p0 −419.1 ± 325.3
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 111.7
Std Dev 6.893
2
1
0
−1
−2

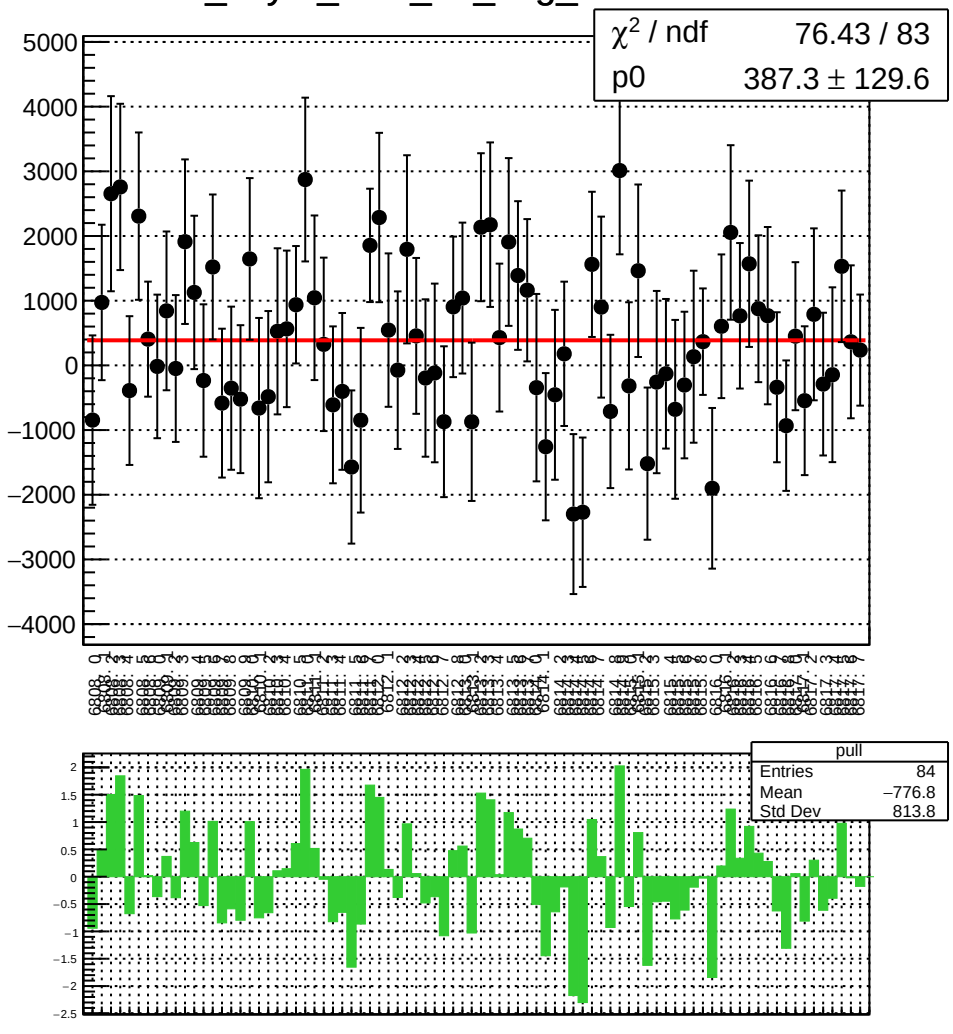

pull1D
Entries 84
Mean 0.003519
Std Dev 0.9149
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

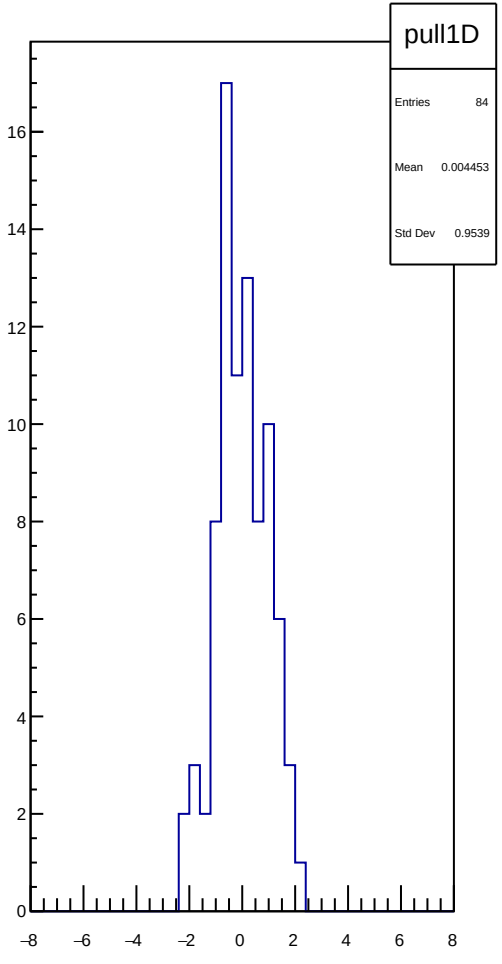

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2605 / 83
p0 291.2 ± 0.23
330
320
310
300
290
280
270
260

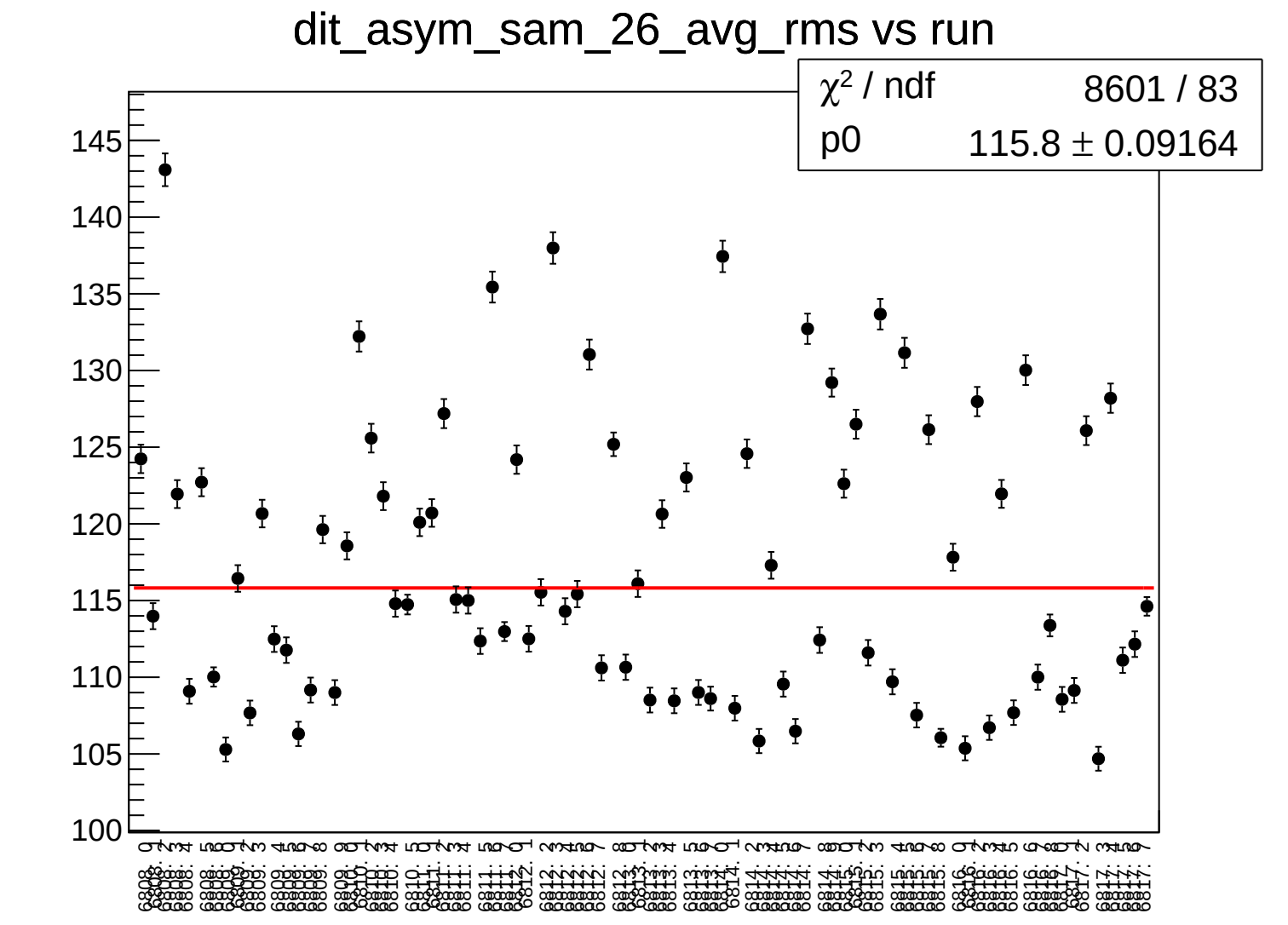

asym_sam_15_avg_mean vs run
χ^2 / ndf 69.46 / 83
p0 313.3 ± 318.4
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 323.1
Std Dev 276.6
3
2
1
0
−1
−2

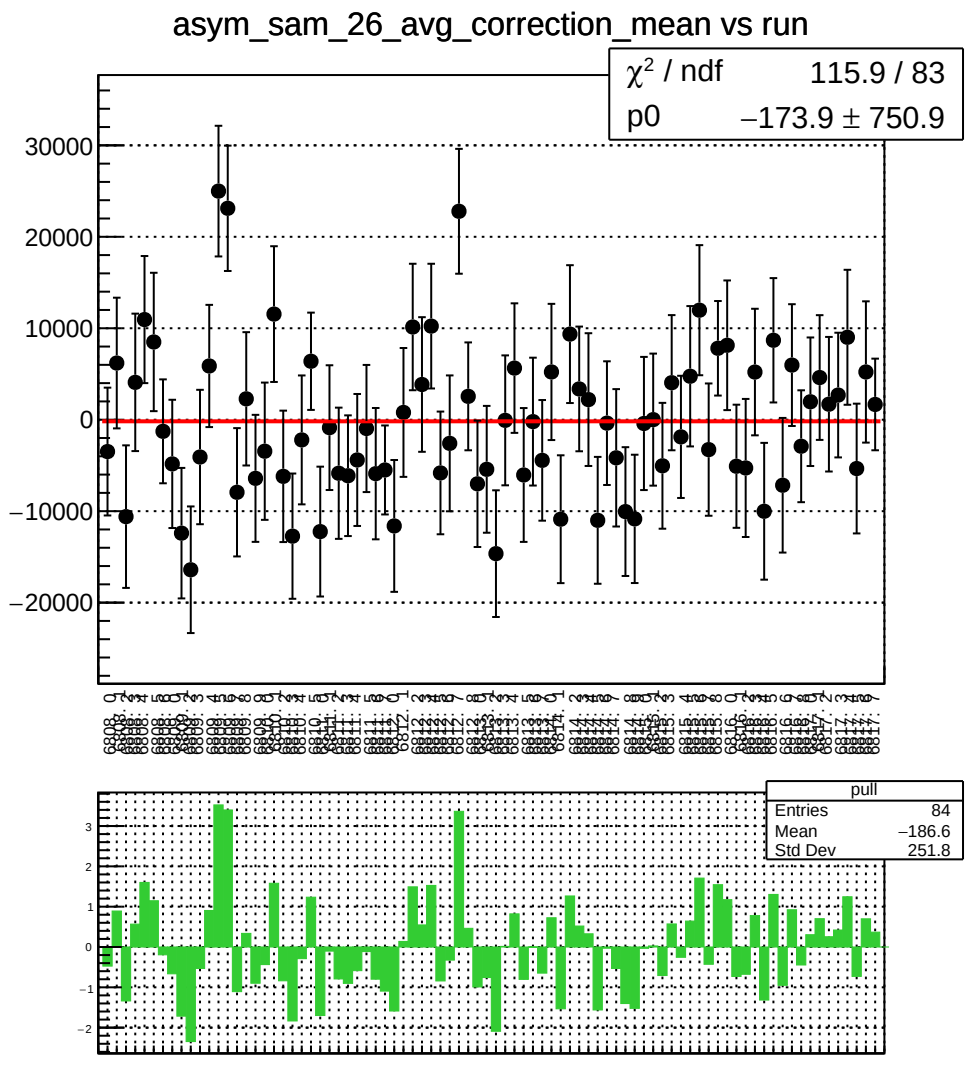

pull1D
Entries 84
Mean −0.004046
Std Dev 0.9093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

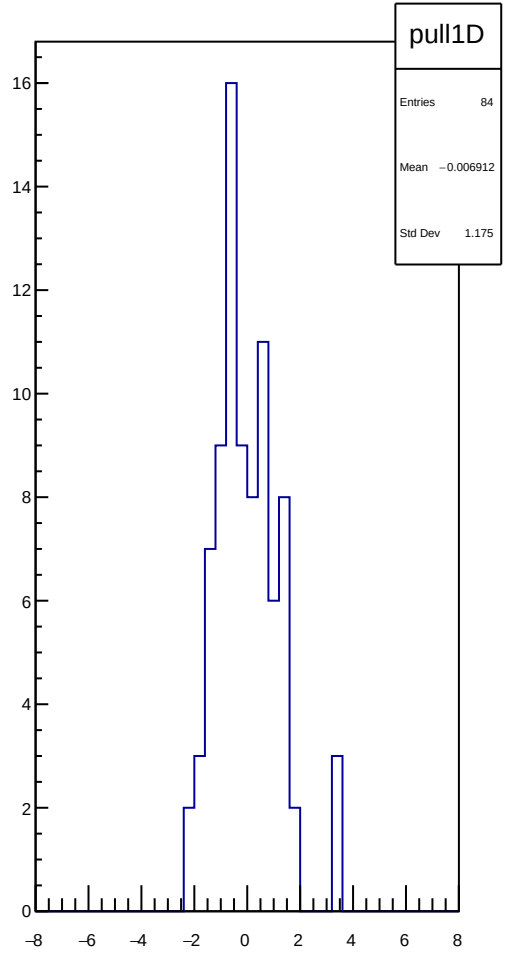

asym_sam_15_avg_rms vs run
χ^2 / ndf 2778 / 83
p0 285.1 ± 0.2251
310
300
290
280
270
260
250

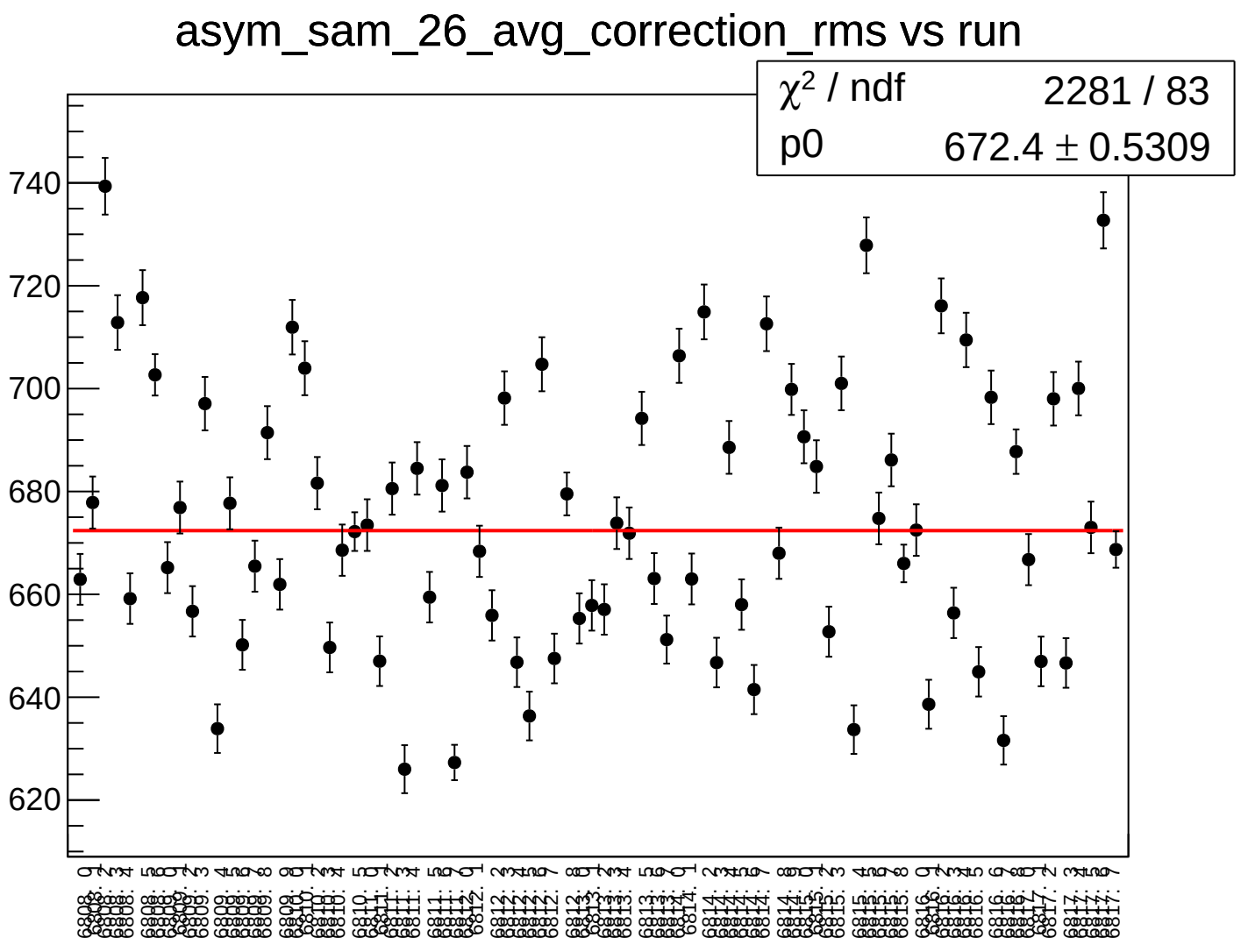

dit_asym_sam_26_avg_mean vs run
χ² / ndf 76.43 / 83
p0 387.3 ± 129.6
pull
Entries 84
Mean −776.8
Std Dev 813.8

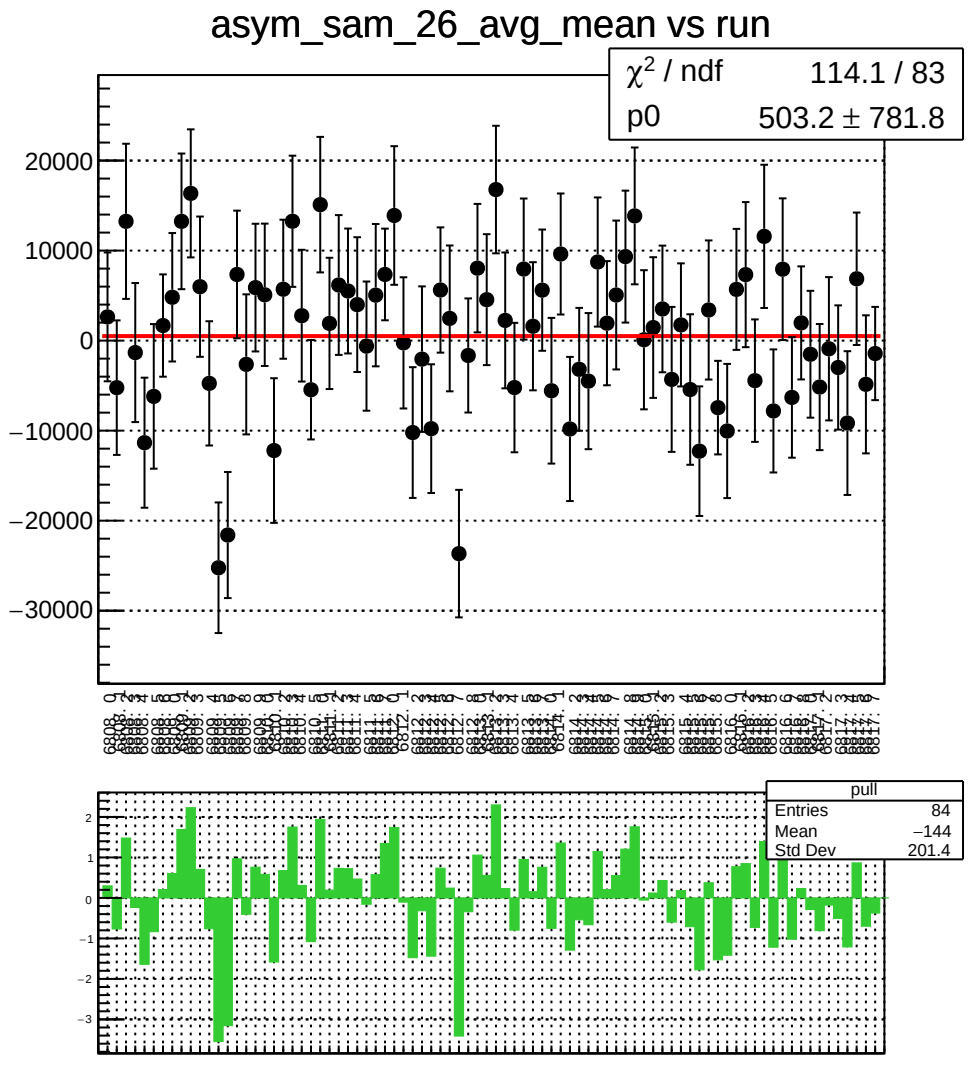

pull1D
Entries 84
Mean 0.004453
Std Dev 0.9539

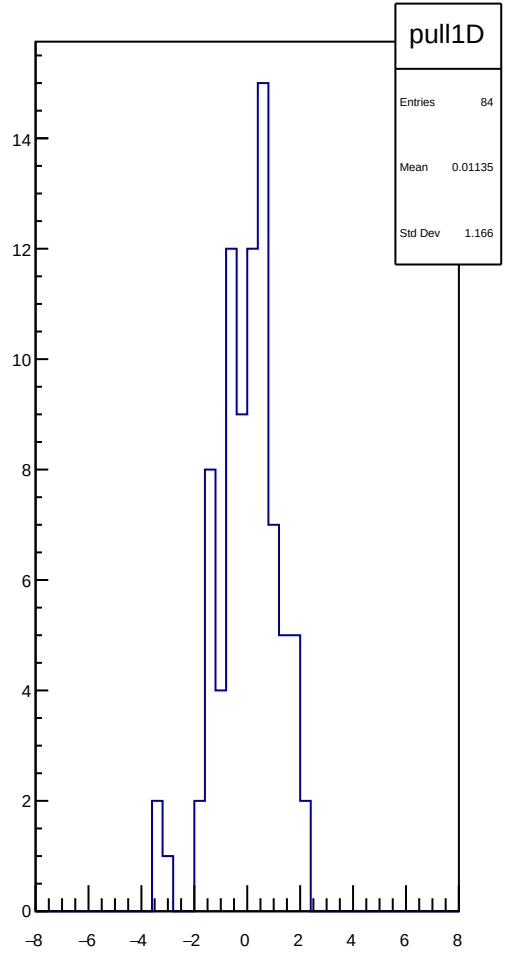

dit_asym_sam_26_avg_rms vs run
χ² / ndf 8601 / 83
p0 115.8 ± 0.09164
145
140
135
130
125
120
115
110
105
100

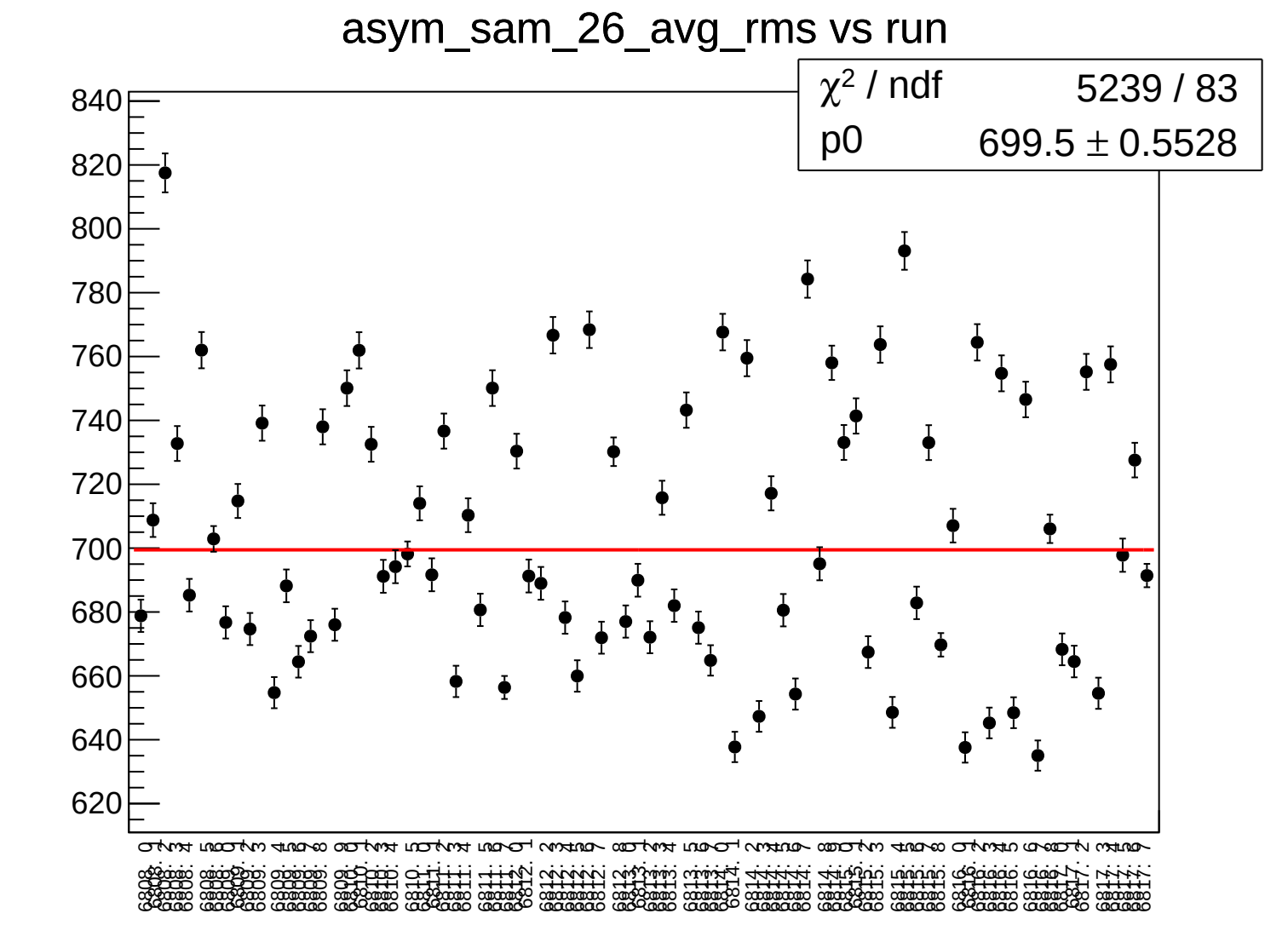

asym_sam_26_avg_correction_mean vs run
χ² / ndf 115.9 / 83
p0 −173.9 ± 750.9
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −186.6
Std Dev 251.8
3
2
1
0
−1
−2

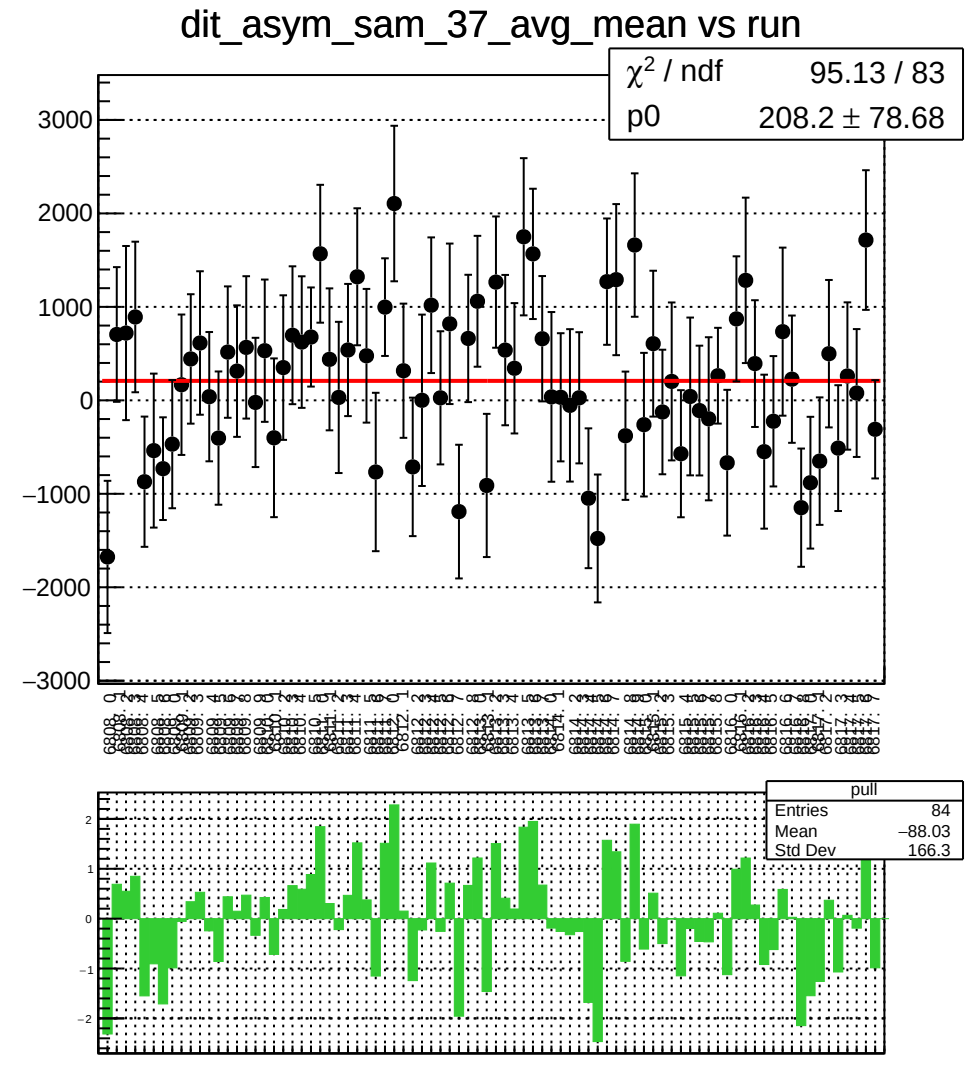

pull1D
Entries 84
Mean −0.006912
Std Dev 1.175
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

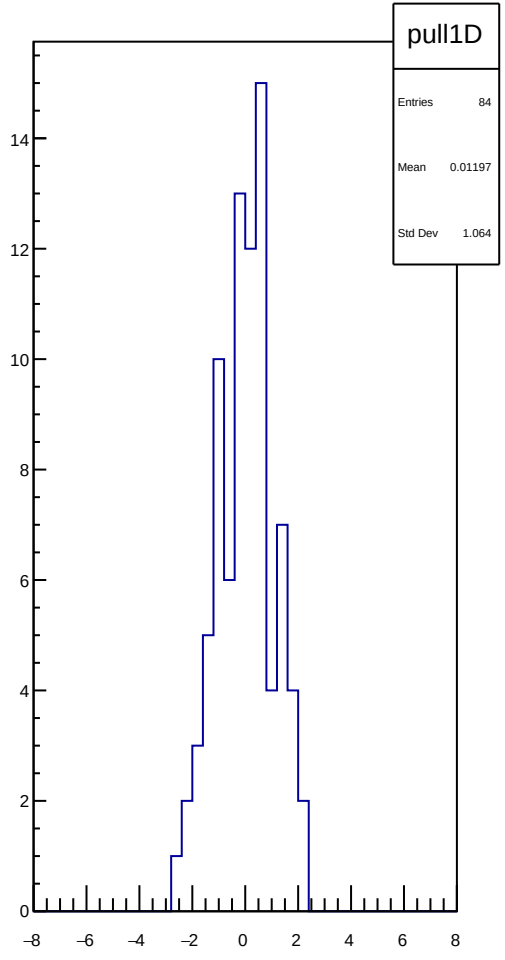

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2281 / 83
p0 672.4 ± 0.5309
740
720
700
680
660
640
620

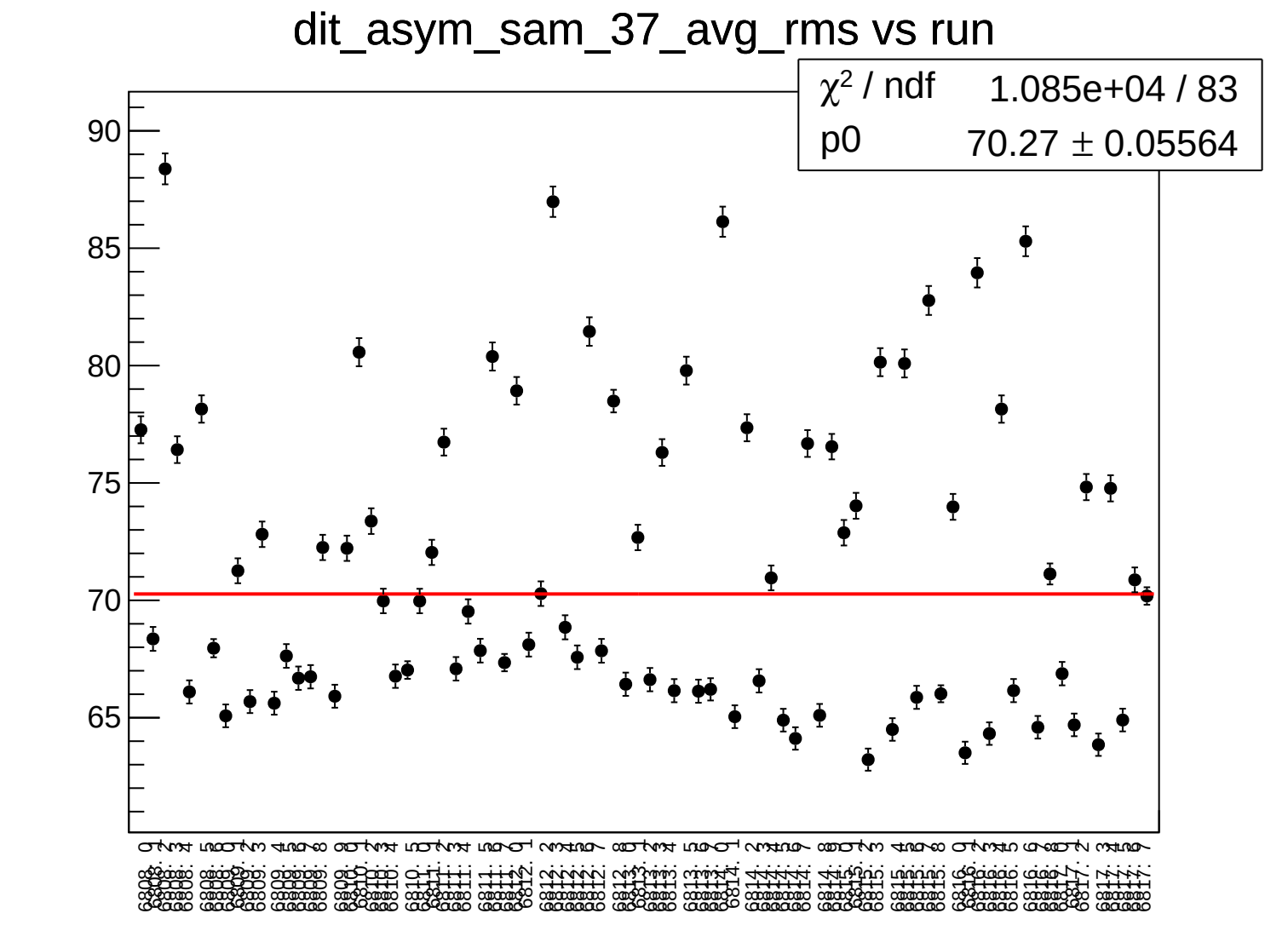

asym_sam_26_avg_mean vs run
χ² / ndf 114.1 / 83
p0 503.2 ± 781.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −144
Std Dev 201.4
2
1
0
−1
−2
−3

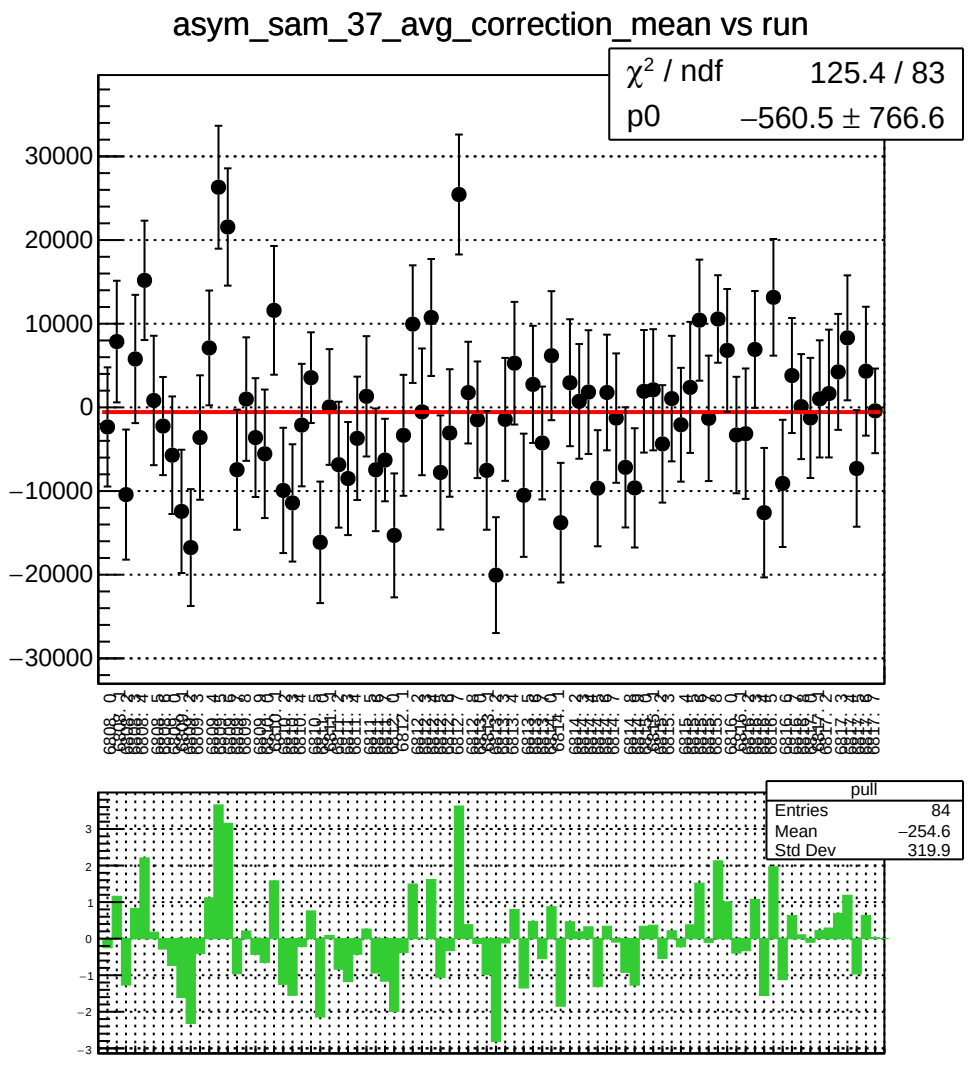

pull1D
Entries 84
Mean 0.01135
Std Dev 1.166
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

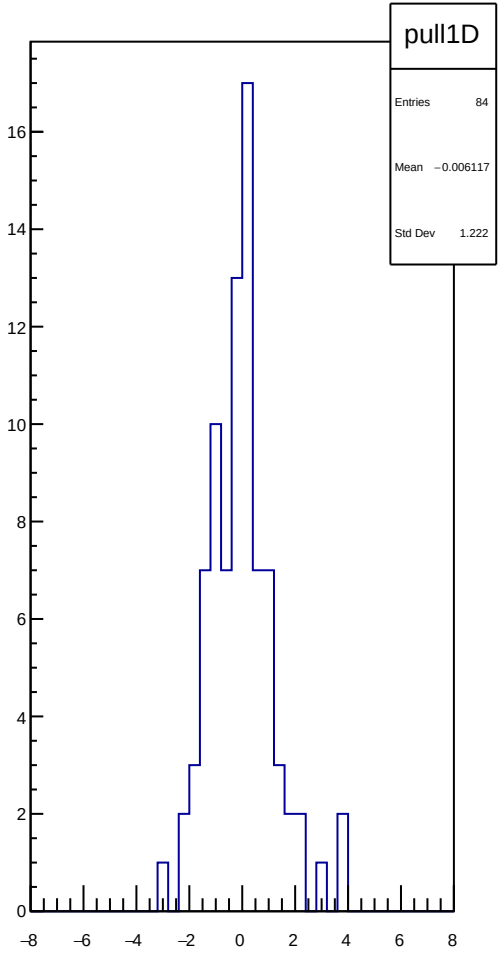

asym_sam_26_avg_rms vs run
χ² / ndf 5239 / 83
p0 699.5 ± 0.5528
840
820
800
780
760
740
720
700
680
660
640
620

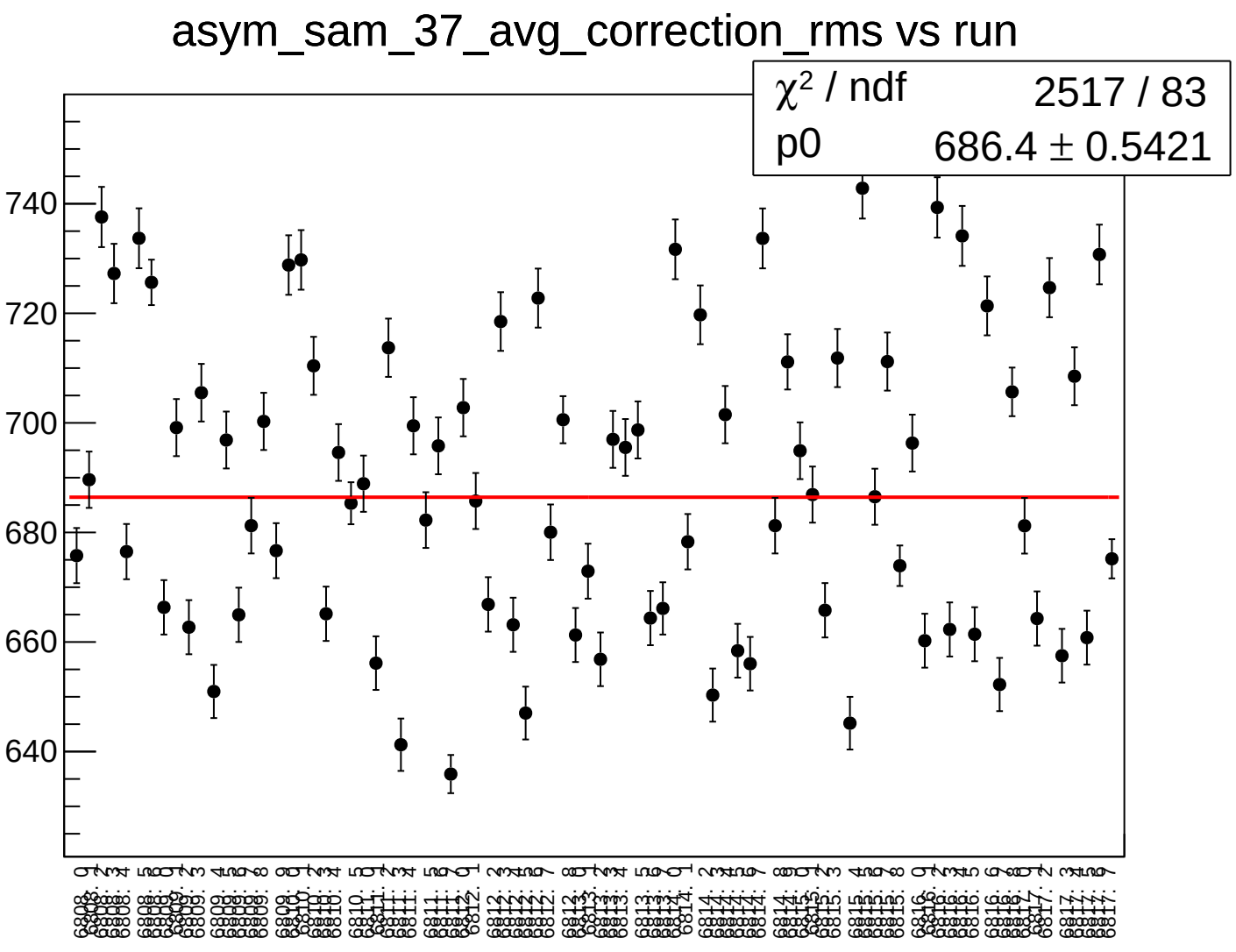

dit_asym_sam_37_avg_mean vs run
χ² / ndf 95.13 / 83
p0 208.2 ± 78.68
pull
Entries 84
Mean −88.03
Std Dev 166.3

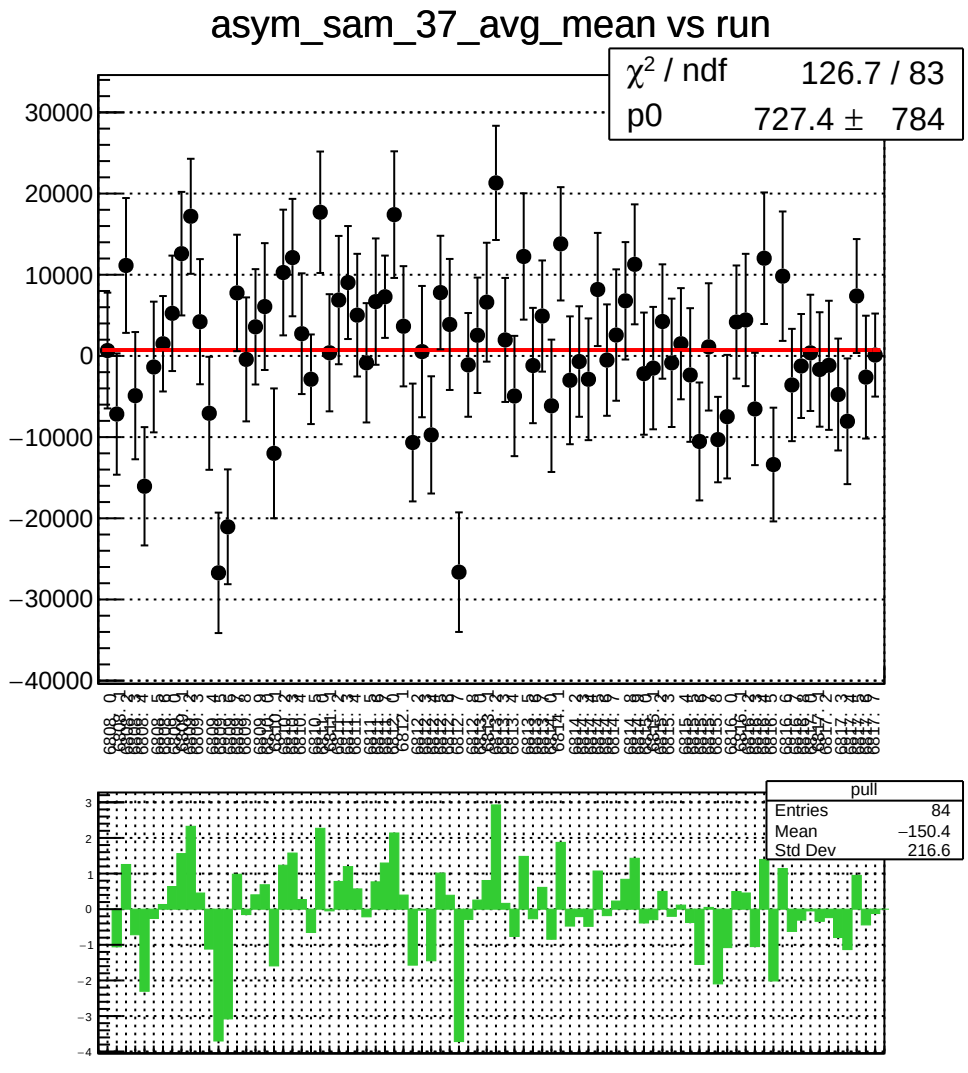

pull1D
Entries 84
Mean 0.01197
Std Dev 1.064

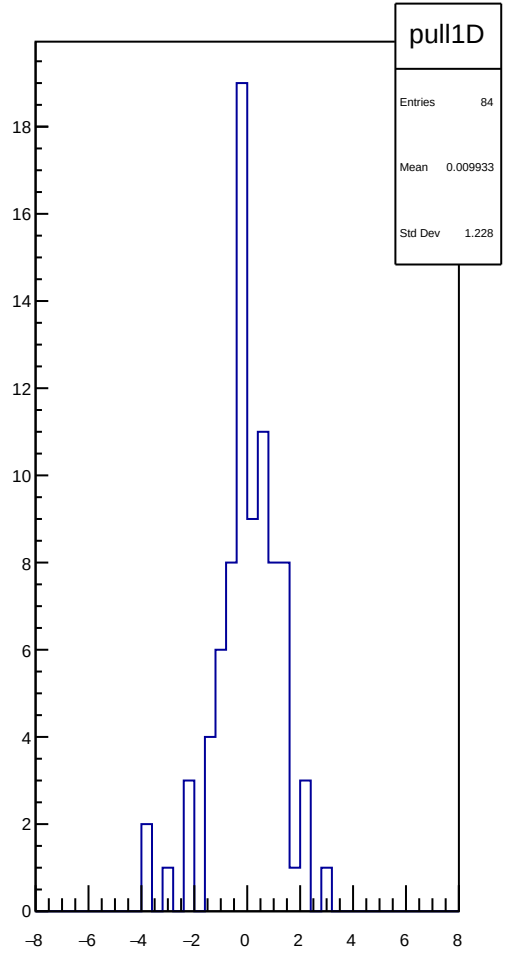

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.085e+04 / 83
p0 70.27 ± 0.05564
90
85
80
75
70
65

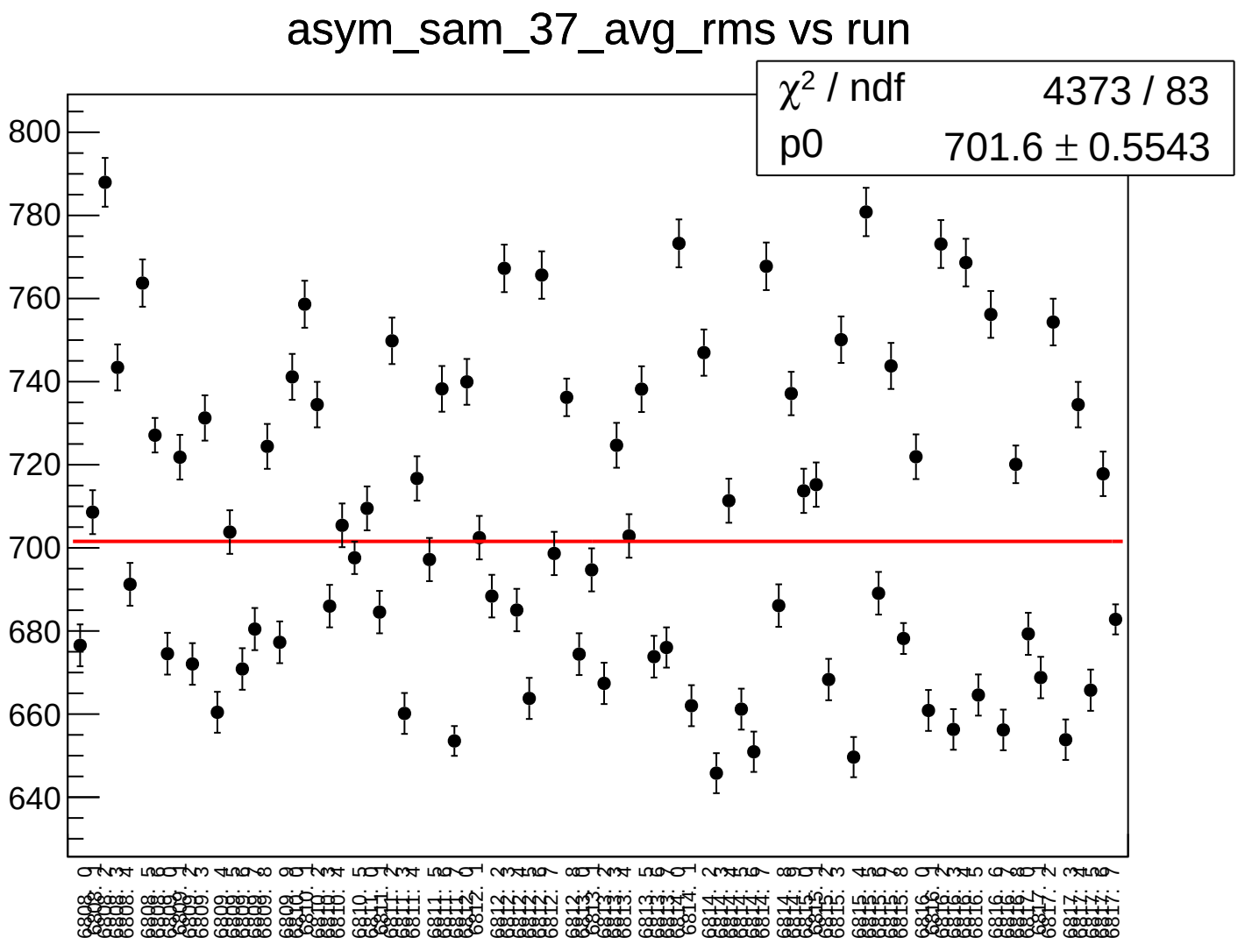

asym_sam_37_avg_correction_mean vs run
χ² / ndf 125.4 / 83
p0 −560.5 ± 766.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −254.6
Std Dev 319.9
3
2
1
0
−1
−2
−3

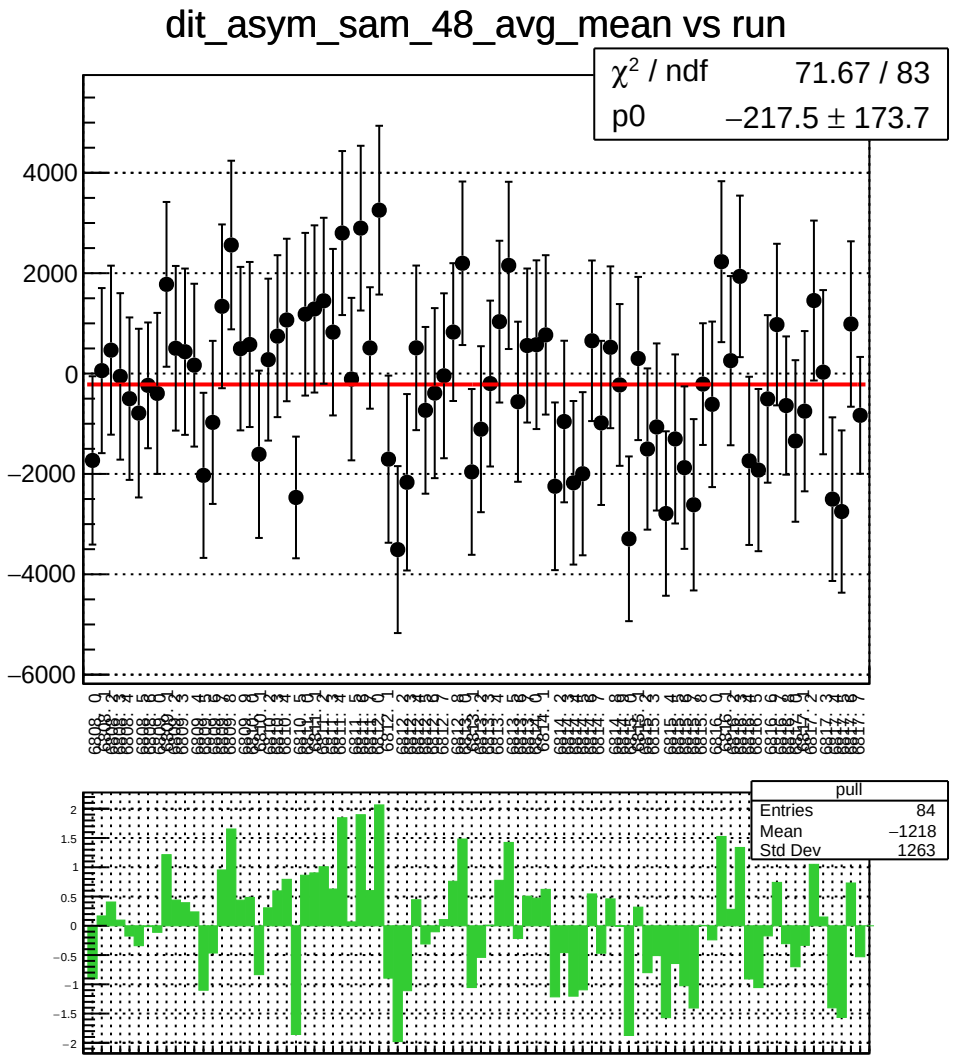

pull1D
Entries 84
Mean −0.006117
Std Dev 1.222
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

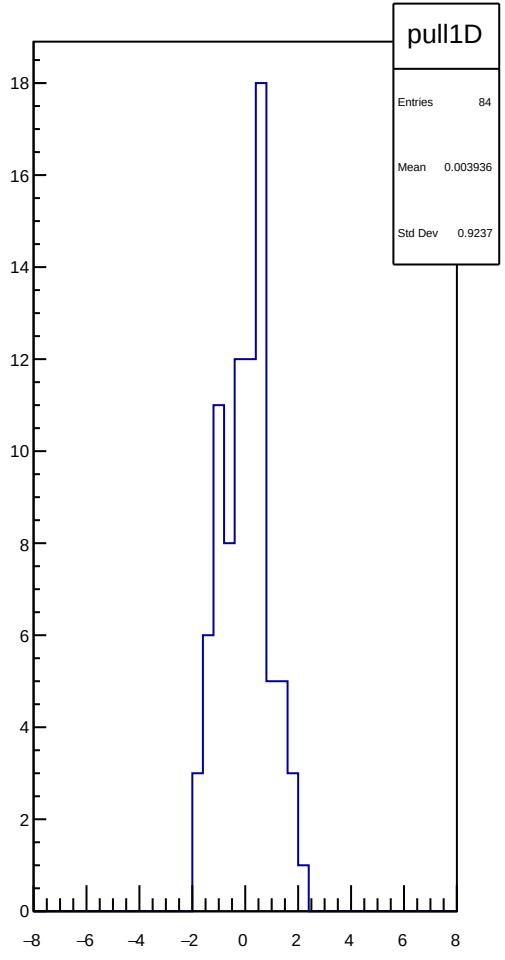

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2517 / 83
p0 686.4 ± 0.5421
740
720
700
680
660
640

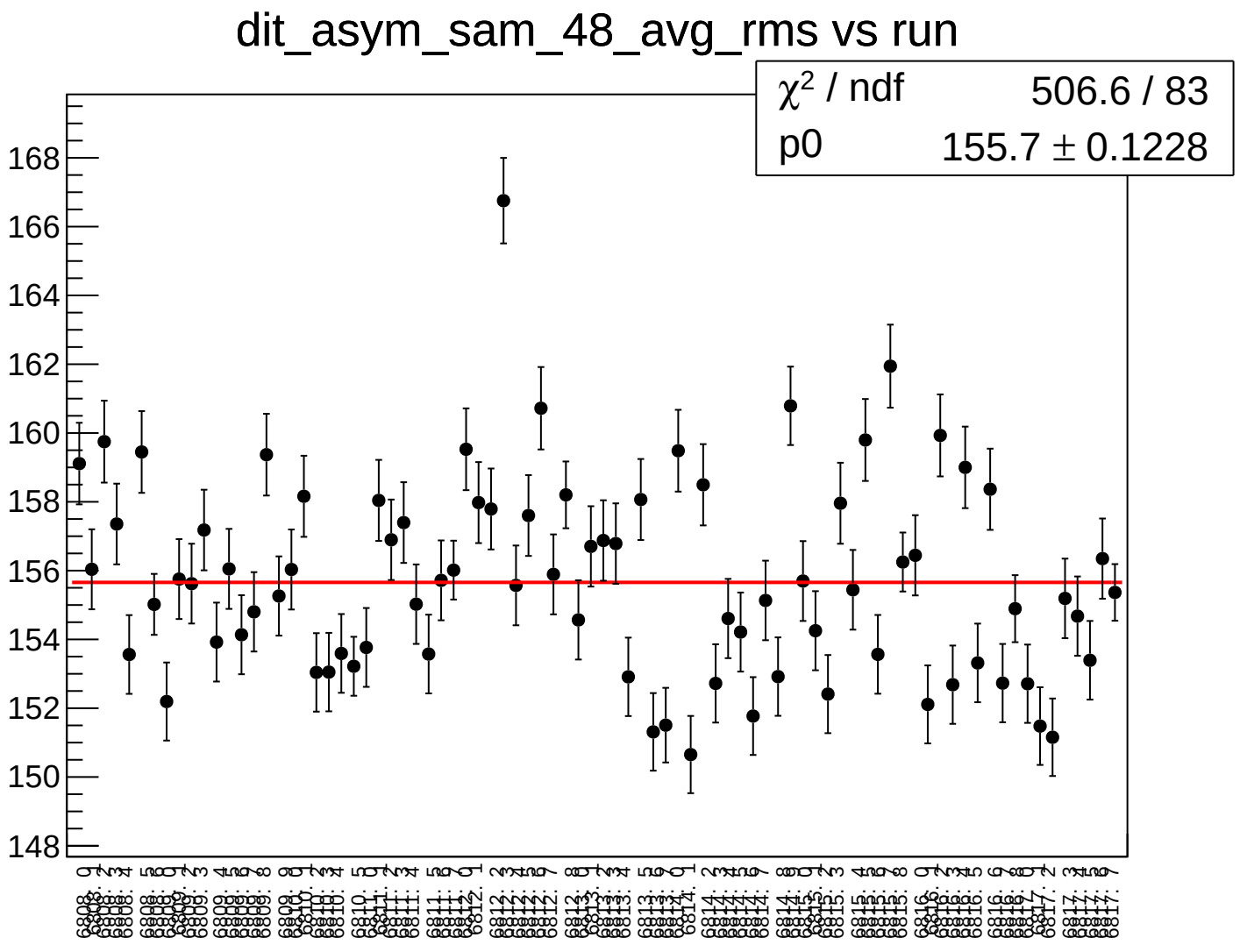

asym_sam_37_avg_mean vs run
χ² / ndf 126.7 / 83
p0 727.4 ± 784
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean −150.4
Std Dev 216.6
3
2
1
0
−1
−2
−3
−4

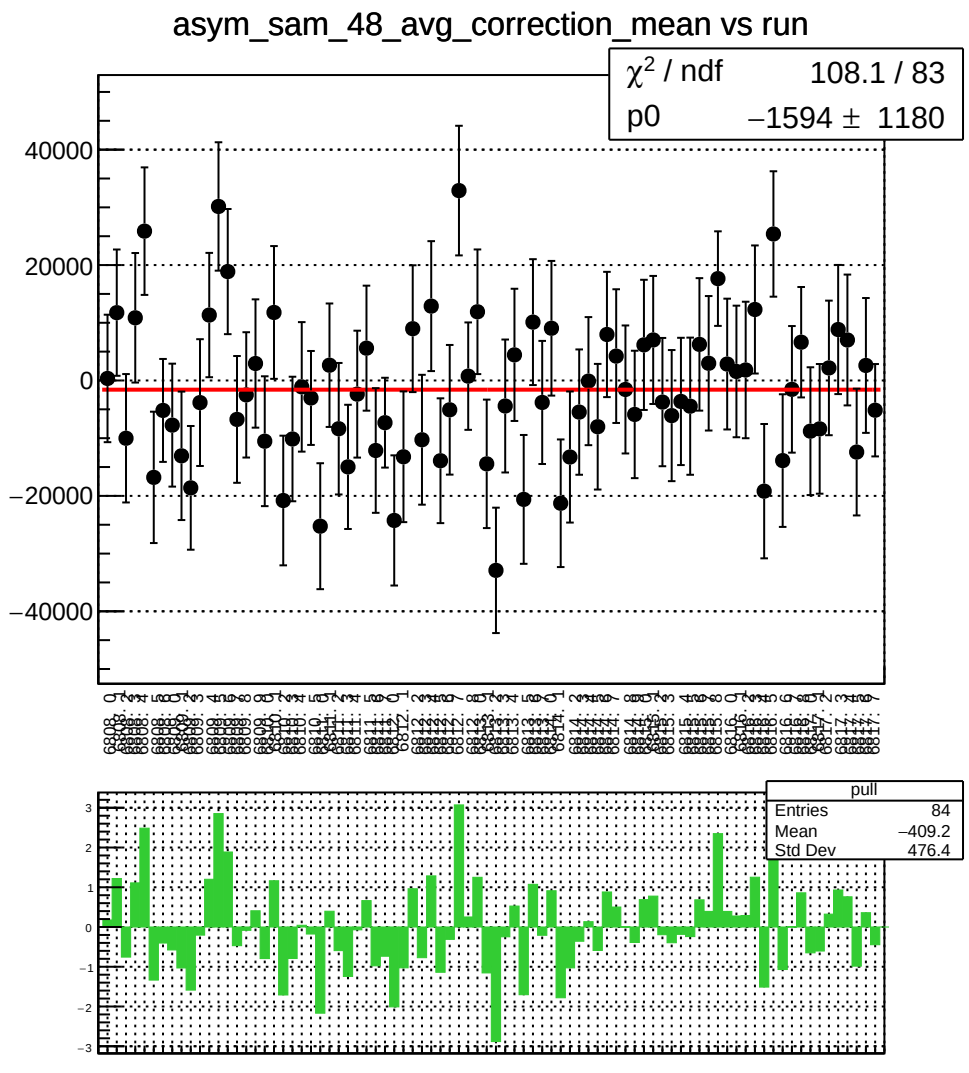

pull1D
Entries 84
Mean 0.009933
Std Dev 1.228
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

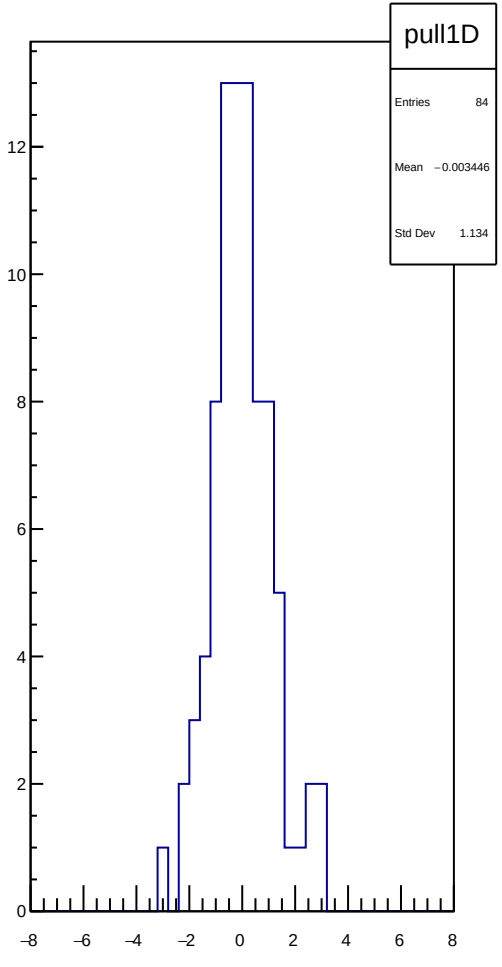

asym_sam_37_avg_rms vs run
χ² / ndf 4373 / 83
p0 701.6 ± 0.5543
800
780
760
740
720
700
680
660
640

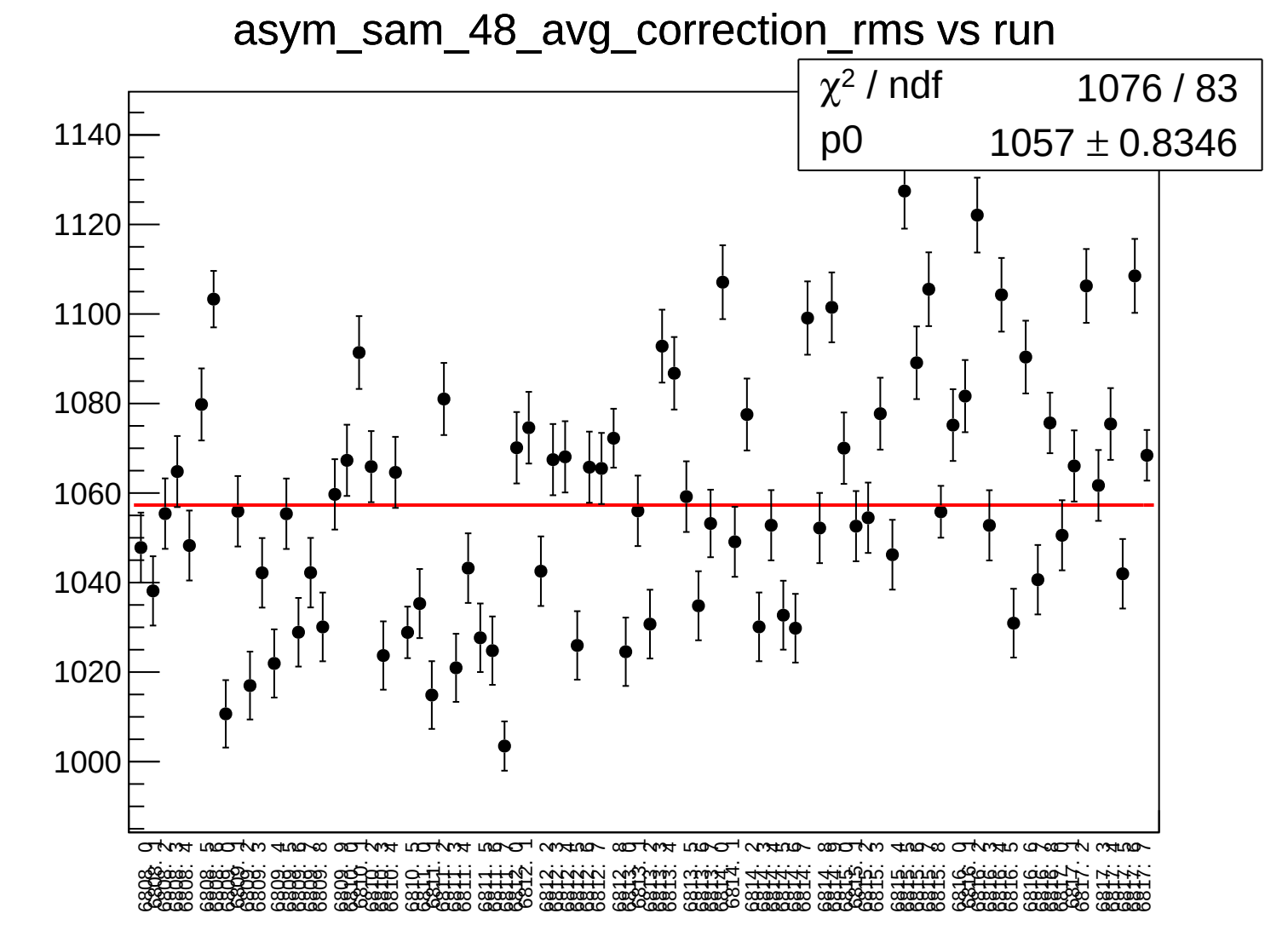

dit_asym_sam_48_avg_mean vs run
χ² / ndf 71.67 / 83
p0 −217.5 ± 173.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −1218
Std Dev 1263
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

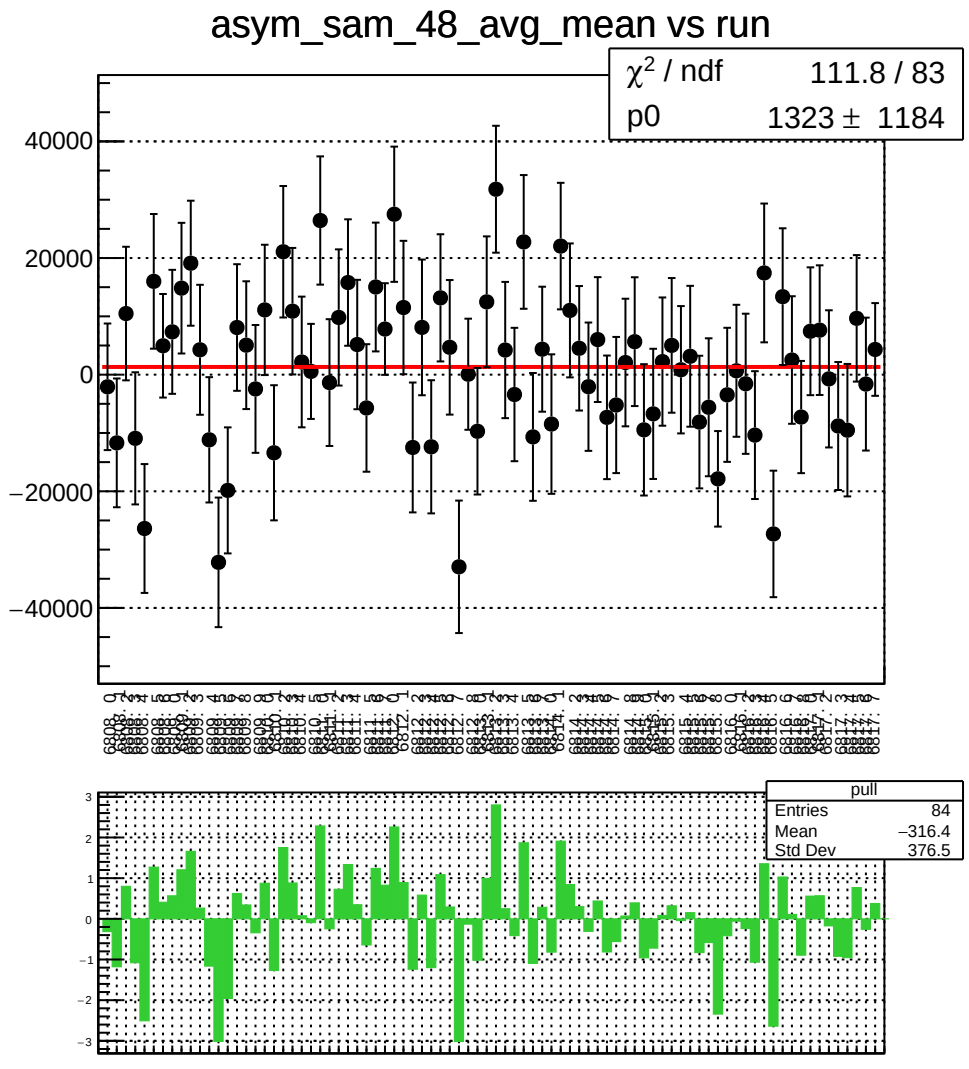

pull1D
Entries 84
Mean 0.003936
Std Dev 0.9237
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

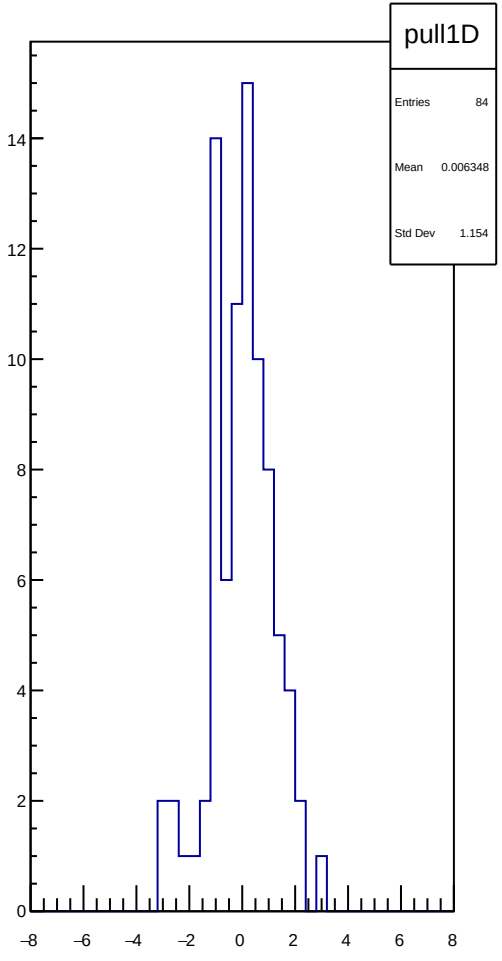

dit_asym_sam_48_avg_rms vs run
χ² / ndf 506.6 / 83
p0 155.7 ± 0.1228
168
166
164
162
160
158
156
154
152
150
148

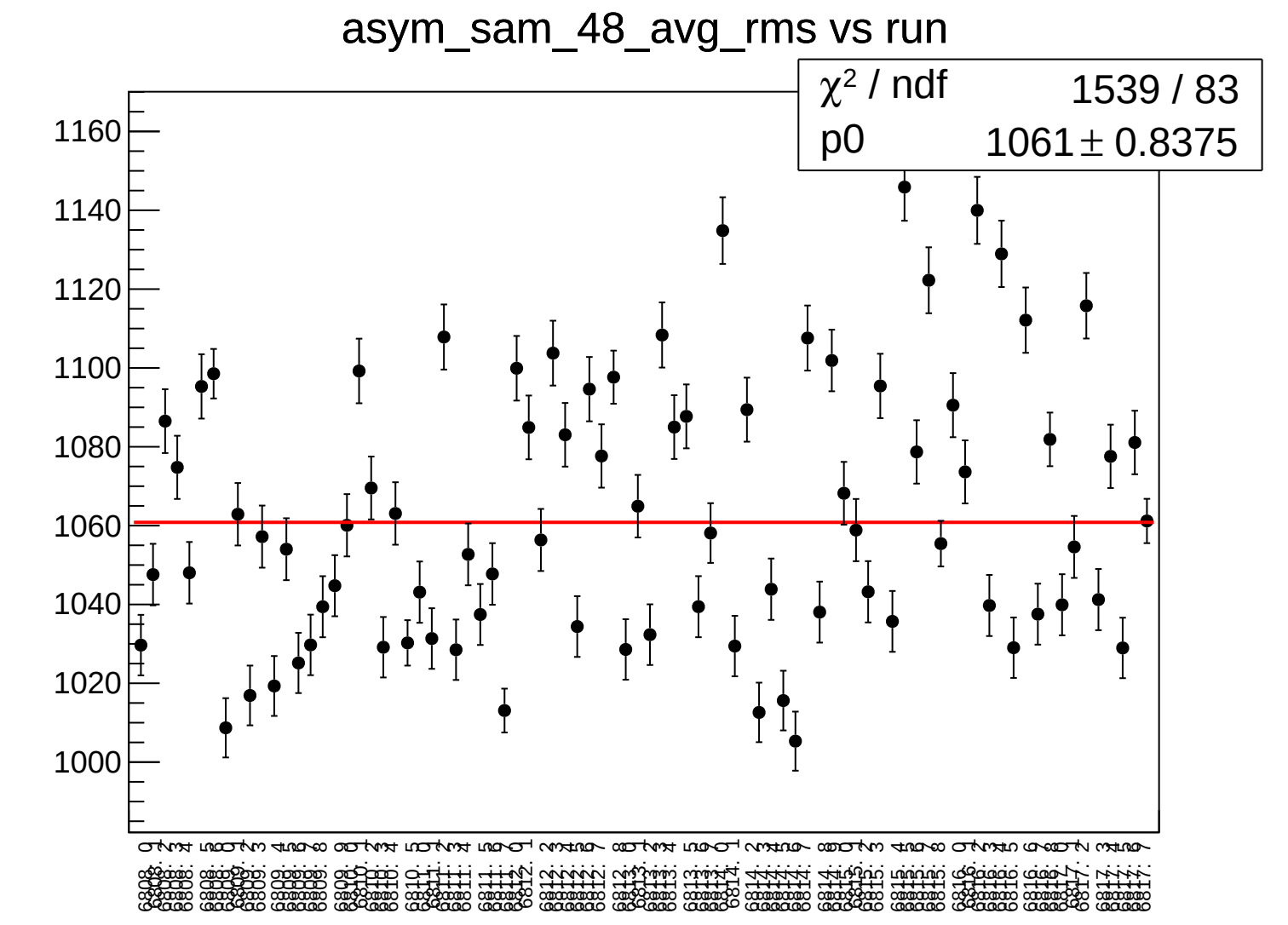

asym_sam_48_avg_correction_mean vs run
χ² / ndf 108.1 / 83
p0 −1594 ± 1180
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −409.2
Std Dev 476.4
3
2
1
0
−1
−2
−3

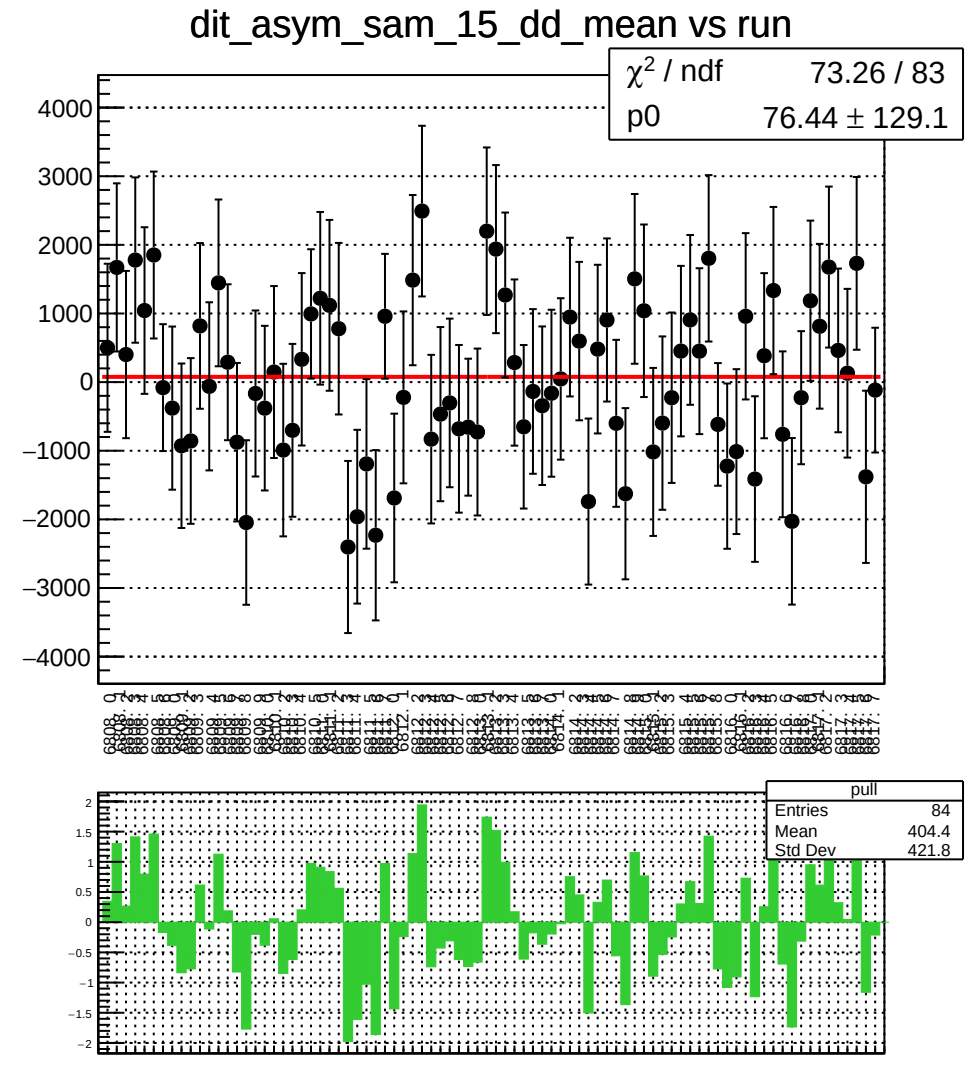

pull1D
Entries 84
Mean −0.003446
Std Dev 1.134
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

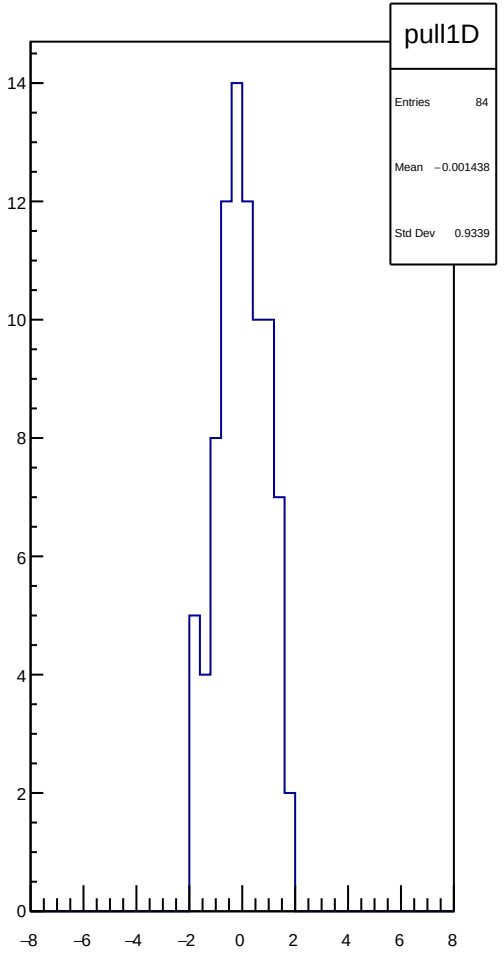

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1076 / 83
p0 1057 ± 0.8346
1140
1120
1100
1080
1060
1040
1020
1000

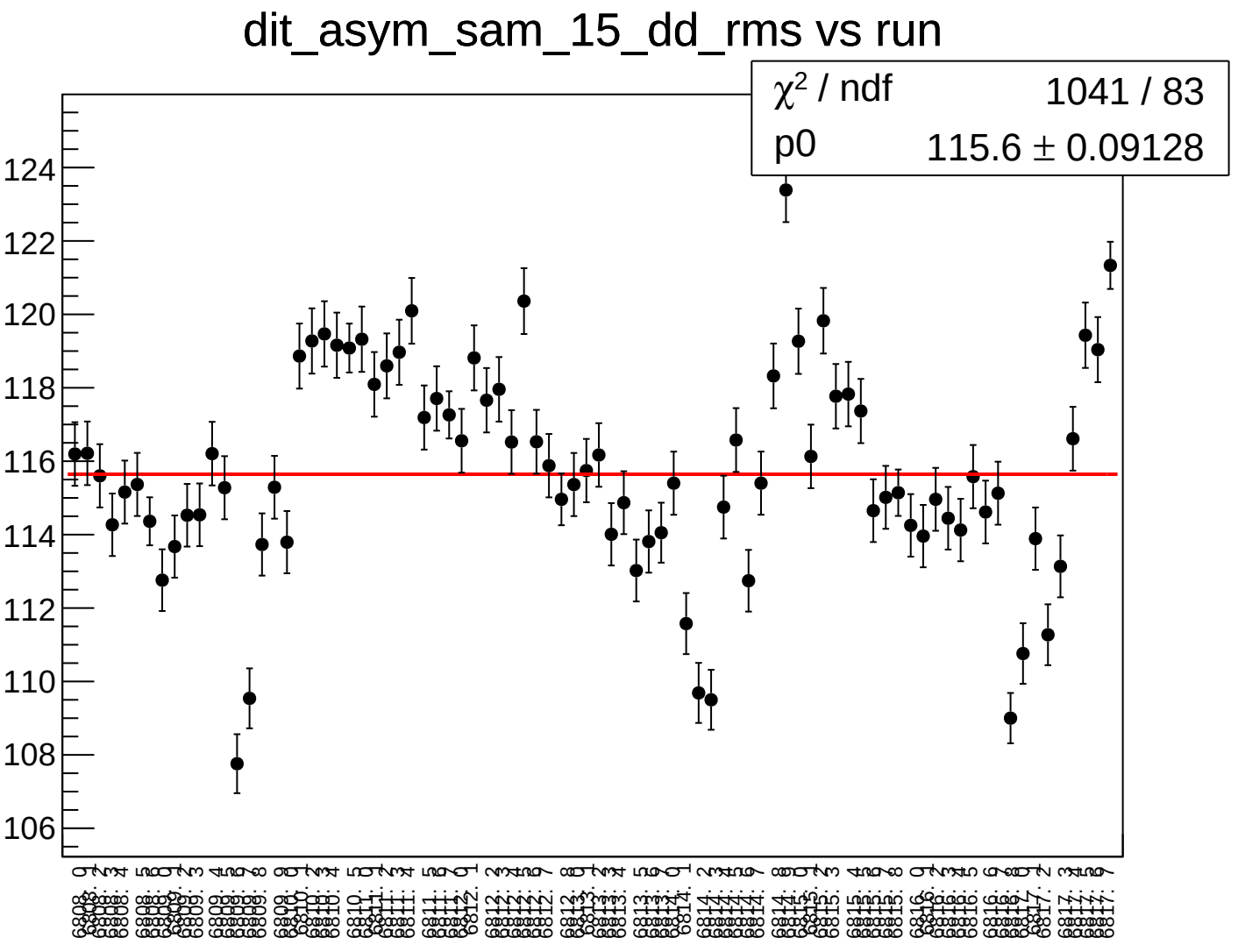

asym_sam_48_avg_mean vs run
χ² / ndf 111.8 / 83
p0 1323 ± 1184
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −316.4
Std Dev 376.5
3
2
1
0
−1
−2
−3

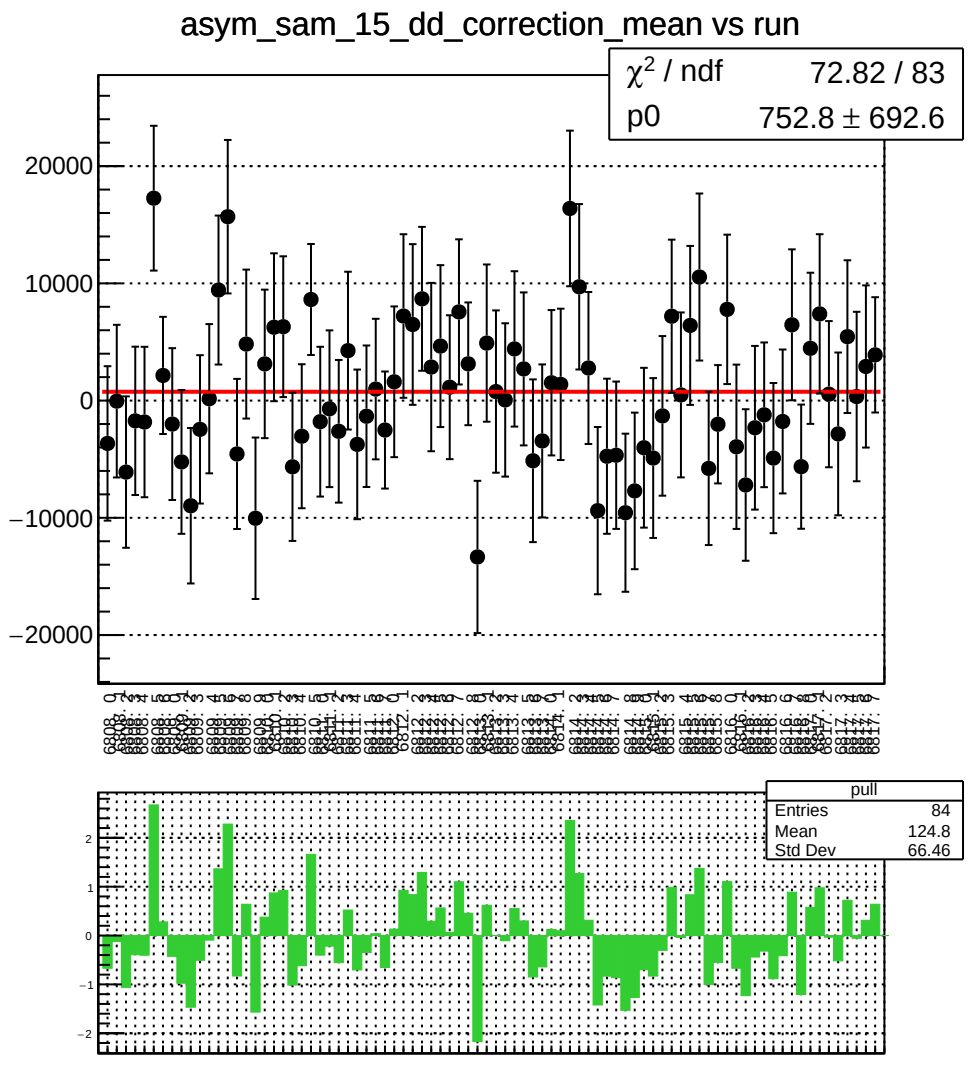

pull1D
Entries 84
Mean 0.006348
Std Dev 1.154
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

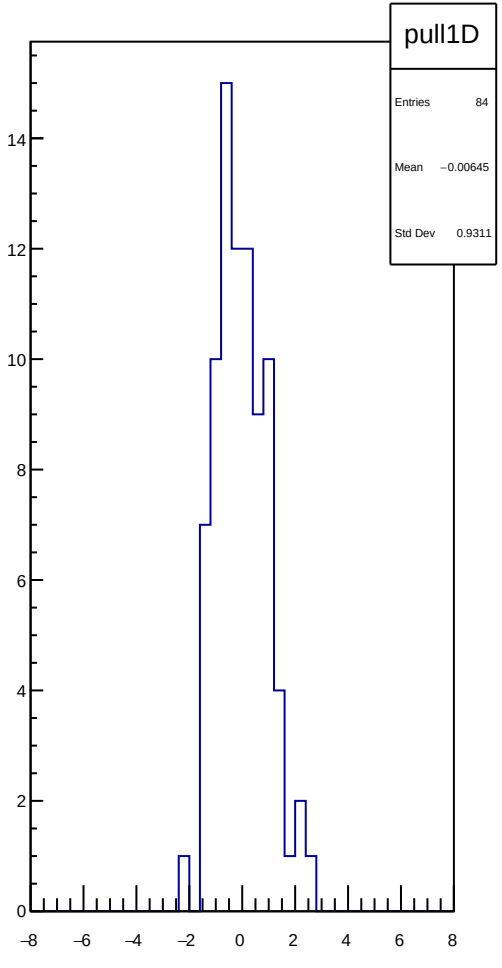

asym_sam_48_avg_rms vs run
χ² / ndf 1539 / 83
p0 1061 ± 0.8375
1160
1140
1120
1100
1080
1060
1040
1020
1000

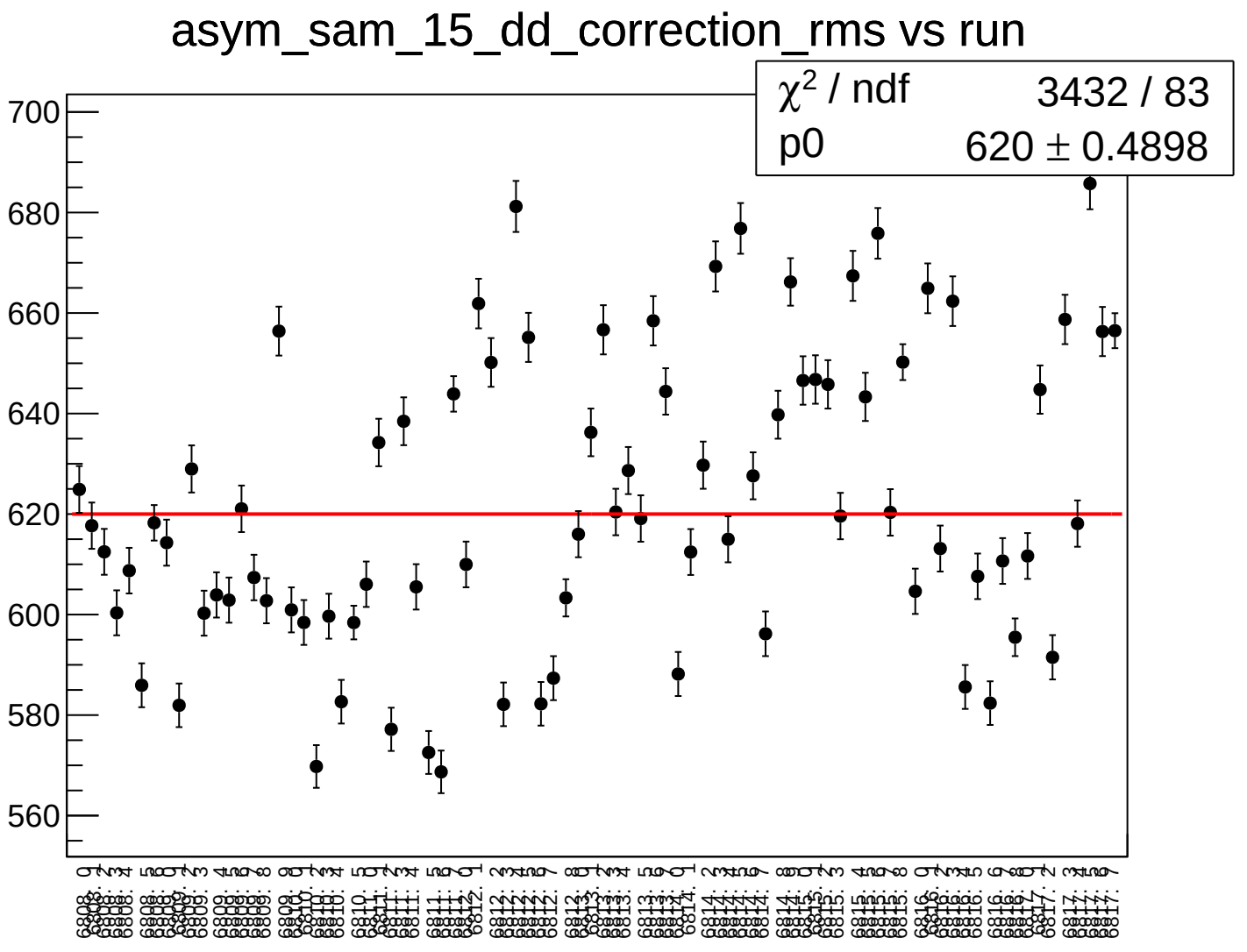

dit_asym_sam_15_dd_mean vs run
χ² / ndf 73.26 / 83
p0 76.44 ± 129.1
pull
Entries 84
Mean 404.4
Std Dev 421.8

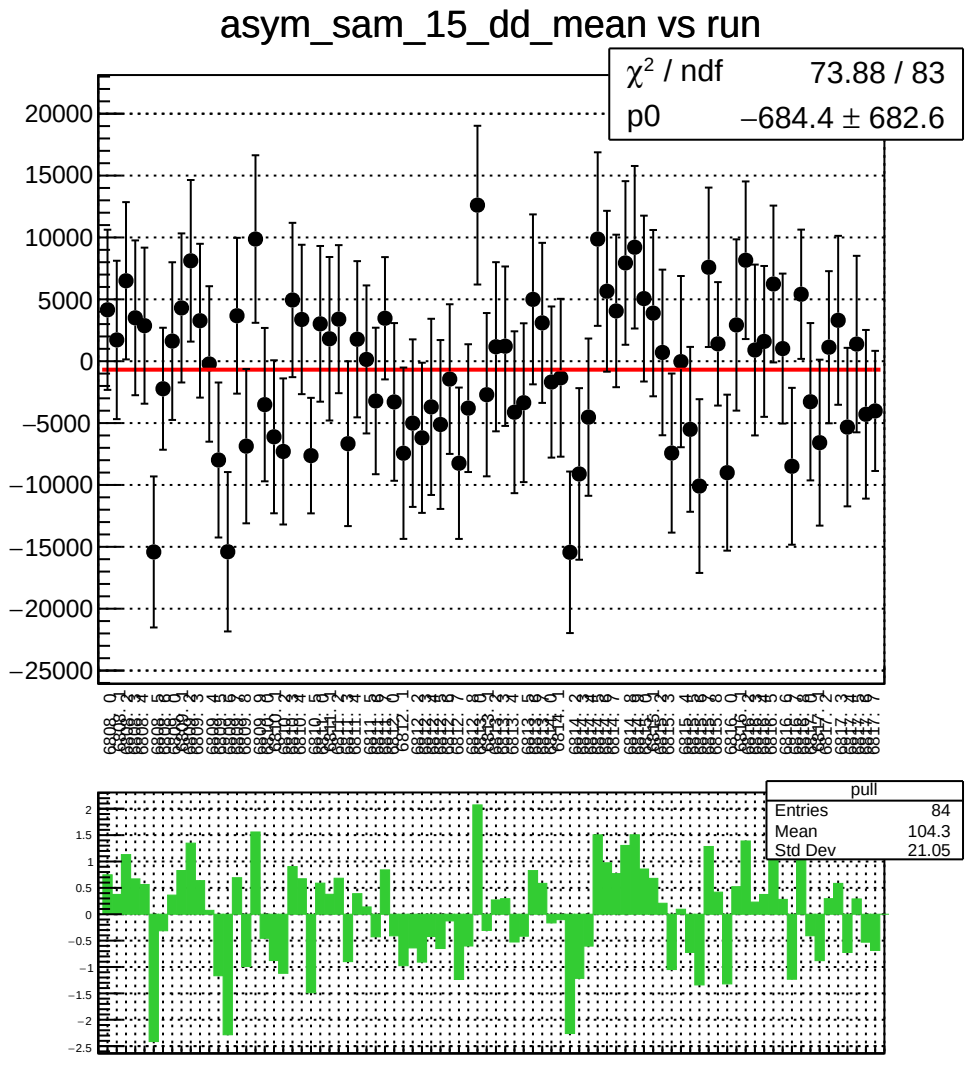

pull1D
Entries 84
Mean −0.001438
Std Dev 0.9339

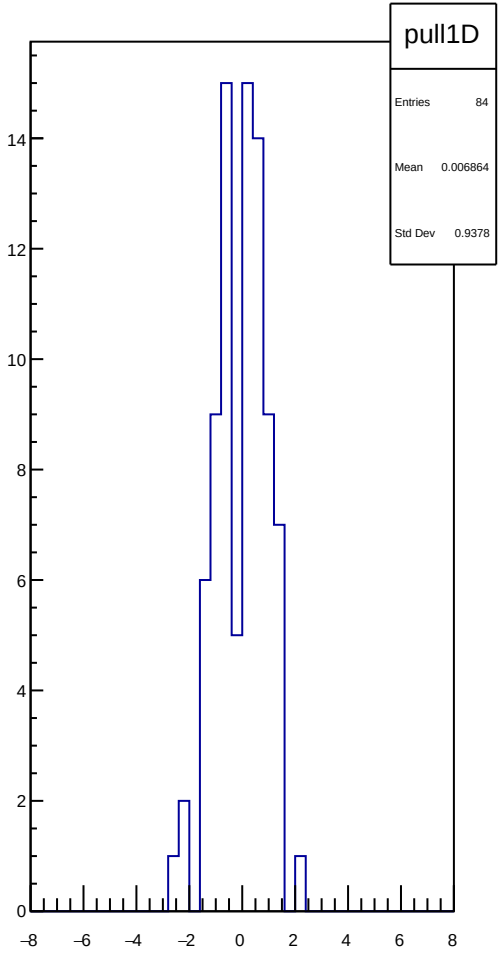

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 1041 / 83
p0 115.6 ± 0.09128
124
122
120
118
116
114
112
110
108
106

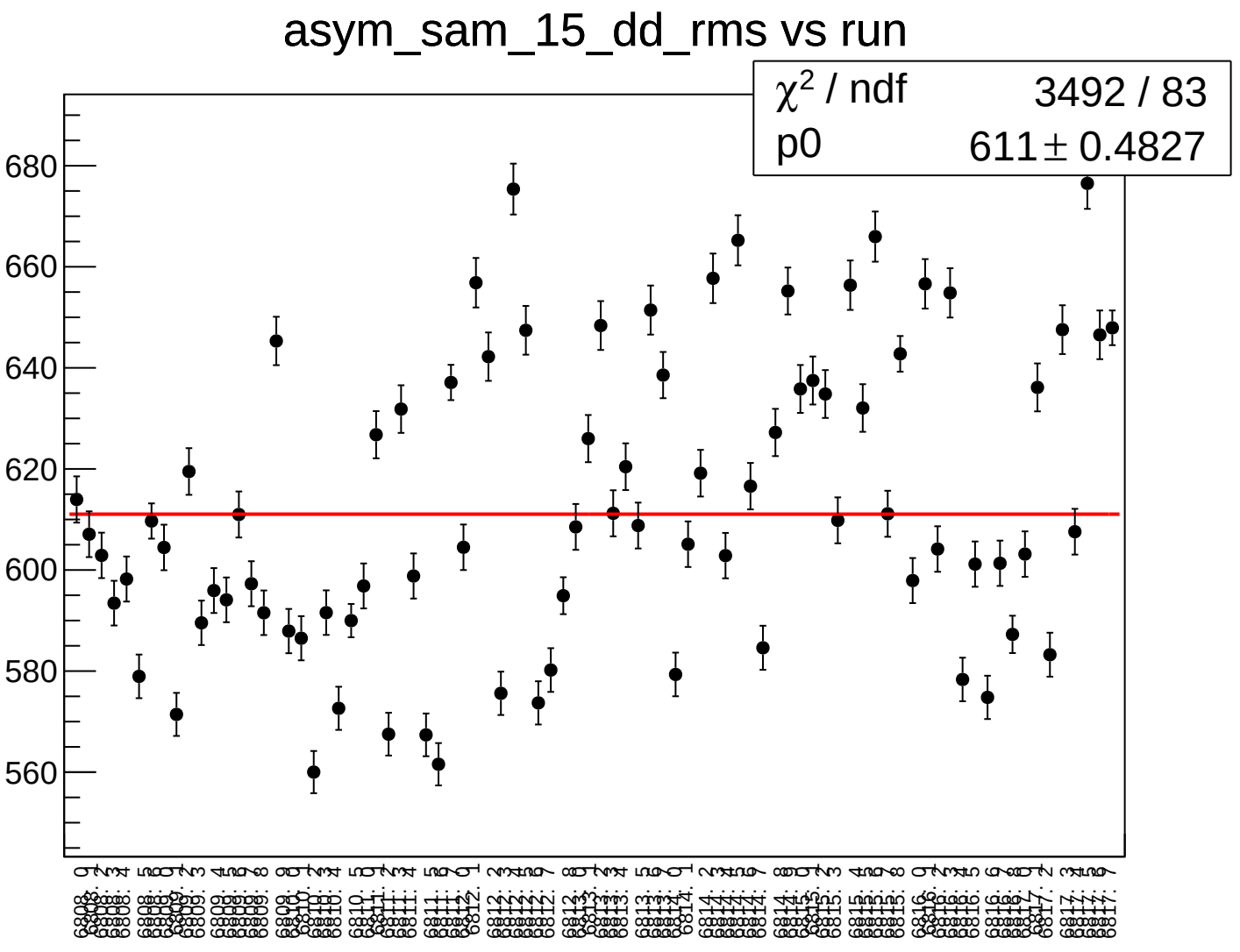

asym_sam_15_dd_correction_mean vs run
χ² / ndf 72.82 / 83
p0 752.8 ± 692.6
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 124.8
Std Dev 66.46
2
1
0
−1
−2

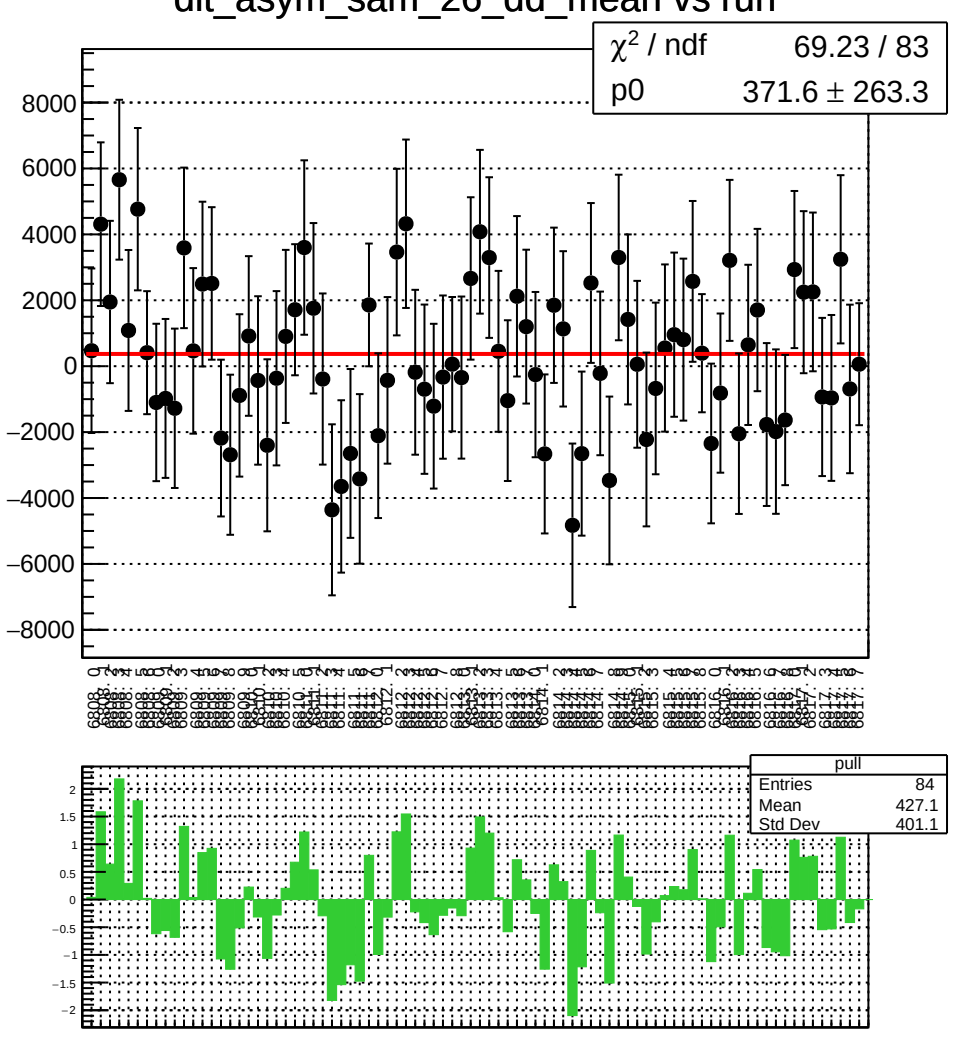

pull1D
Entries 84
Mean −0.00645
Std Dev 0.9311
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

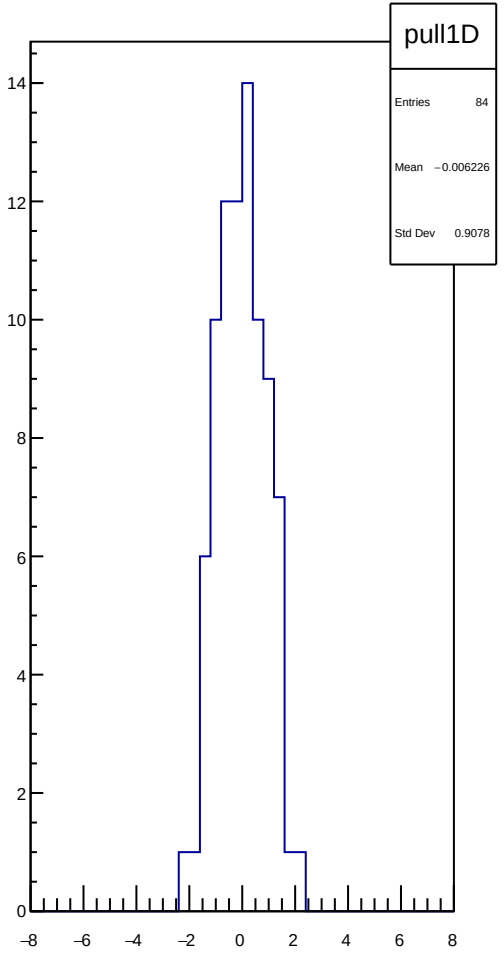

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3432 / 83
p0 620 ± 0.4898
700
680
660
640
620
600
580
560

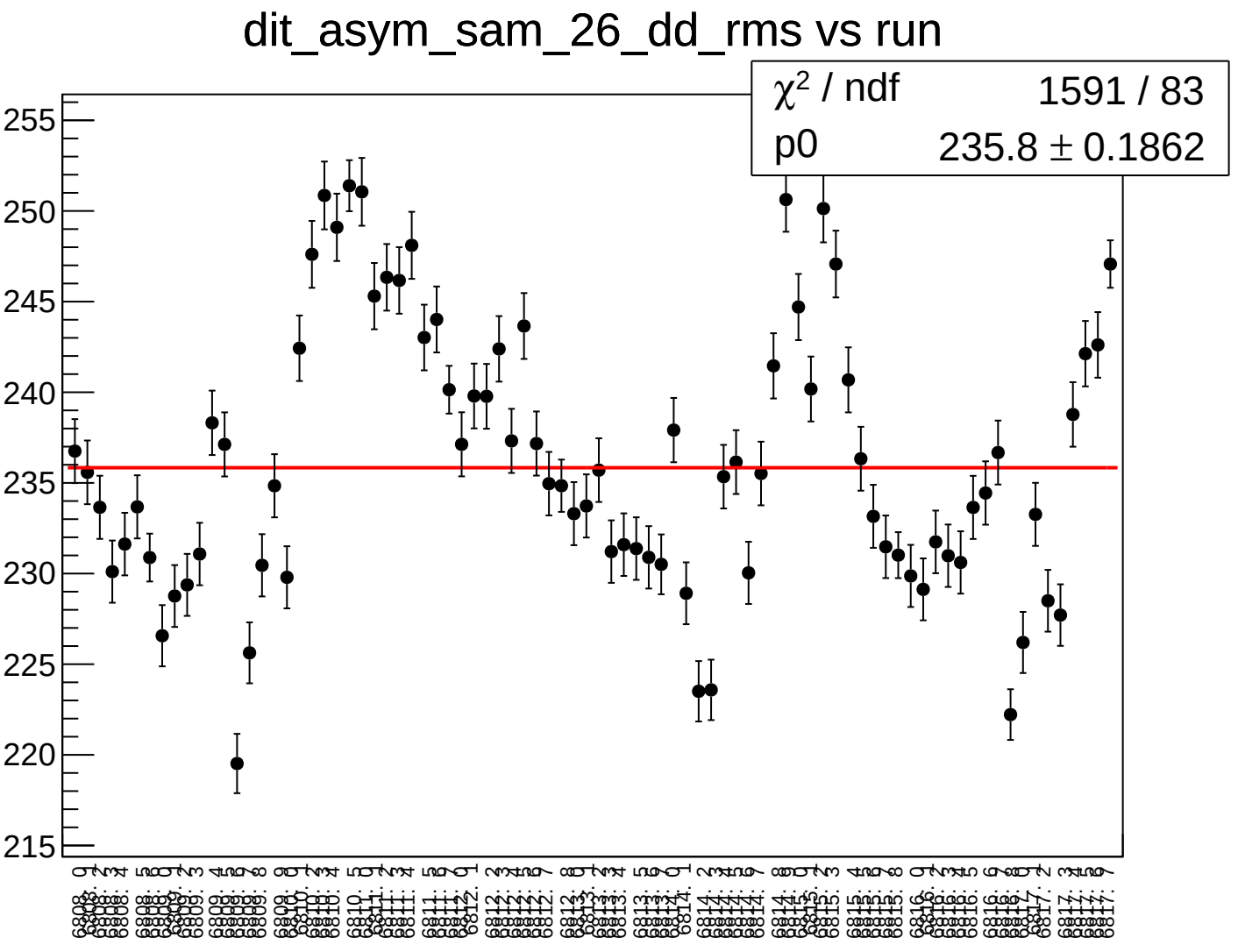

asym_sam_15_dd_mean vs run
χ² / ndf 73.88 / 83
p0 −684.4 ± 682.6
pull
Entries 84
Mean 104.3
Std Dev 21.05

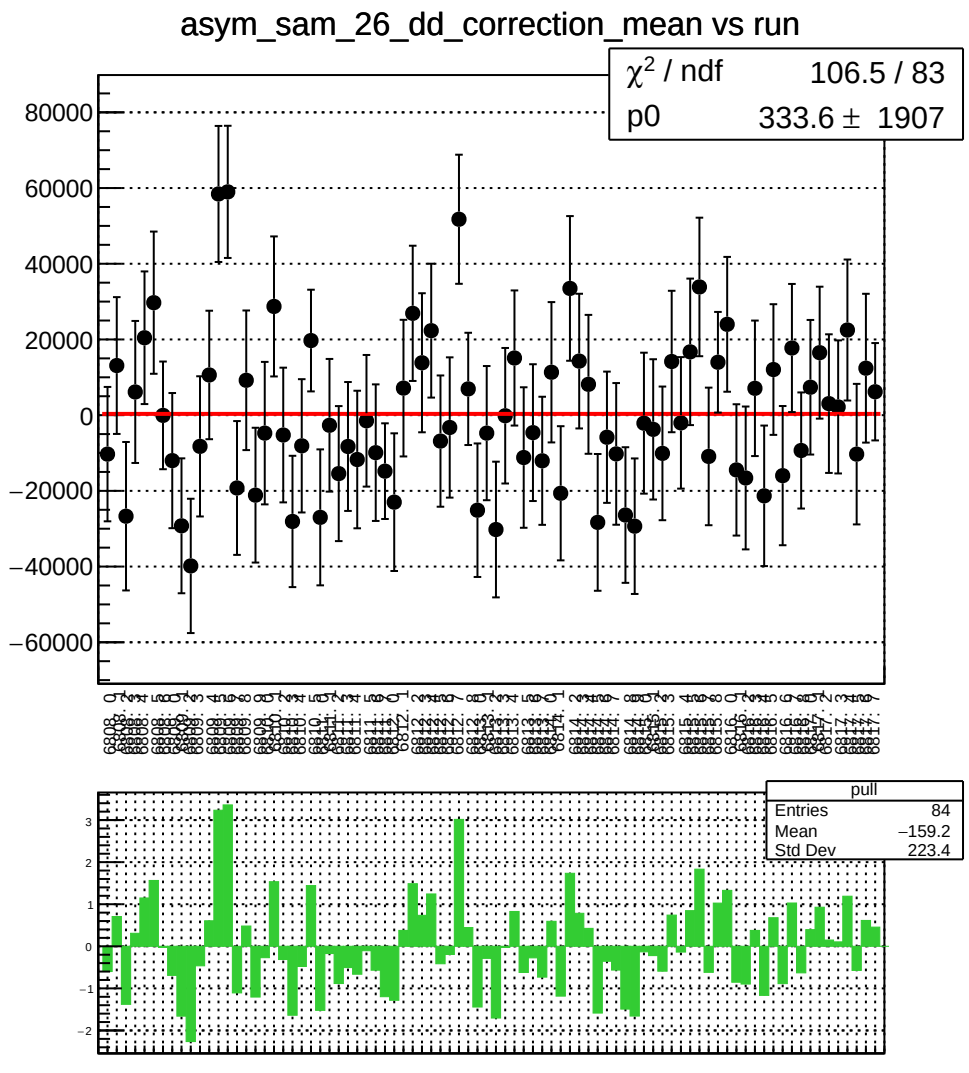

pull1D
Entries 84
Mean 0.006864
Std Dev 0.9378

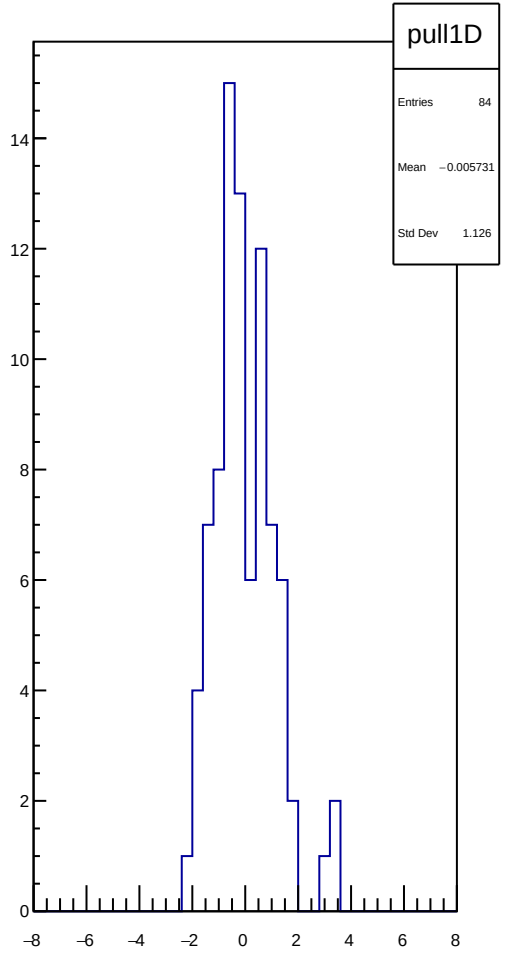

asym_sam_15_dd_rms vs run
χ^2 / ndf 3492 / 83
p0 611 ± 0.4827
680
660
640
620
600
580
560

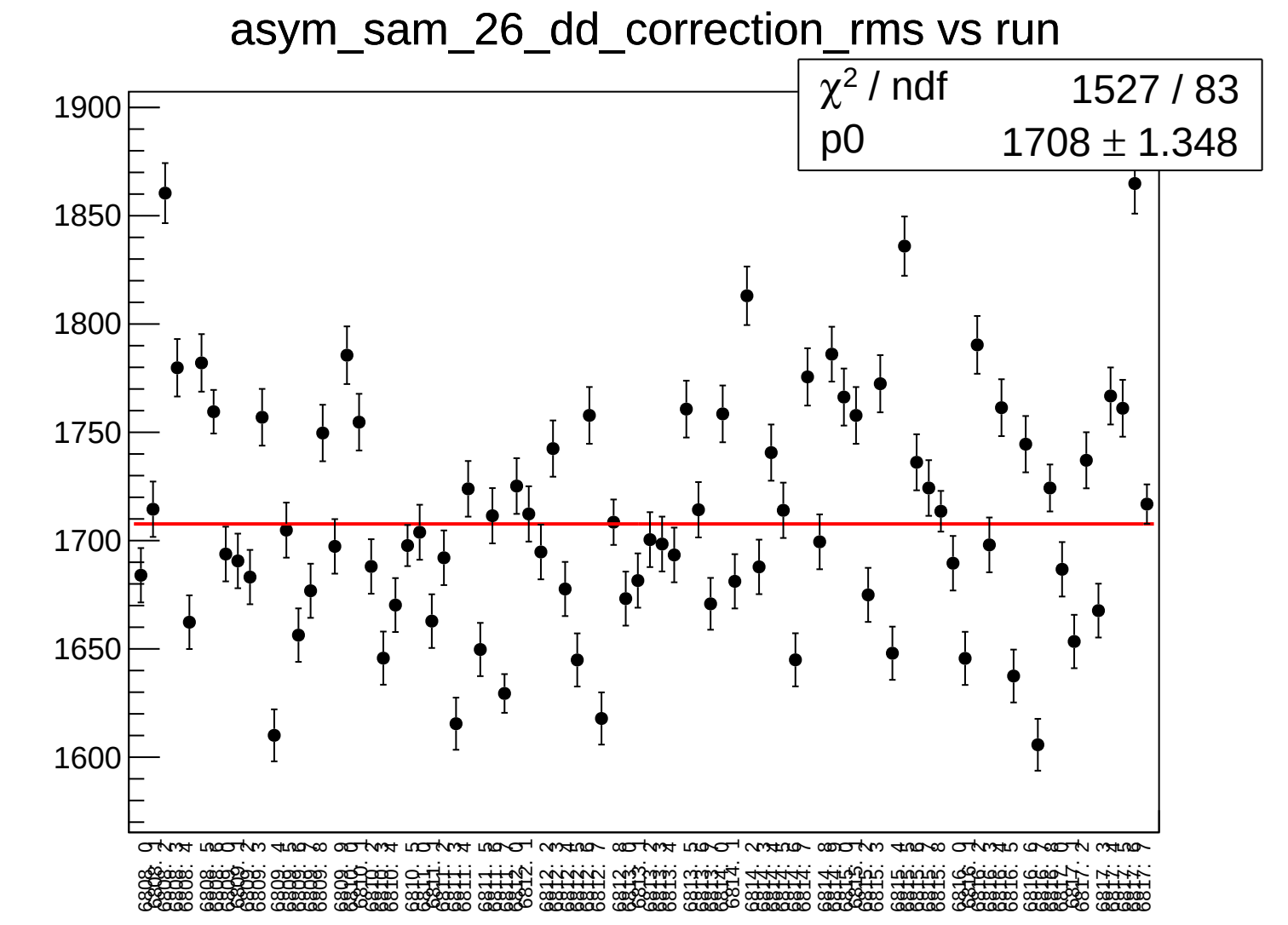

dit_asym_sam_26_dd_mean vs run
χ² / ndf 69.23 / 83
p0 371.6 ± 263.3
pull
Entries 84
Mean 427.1
Std Dev 401.1

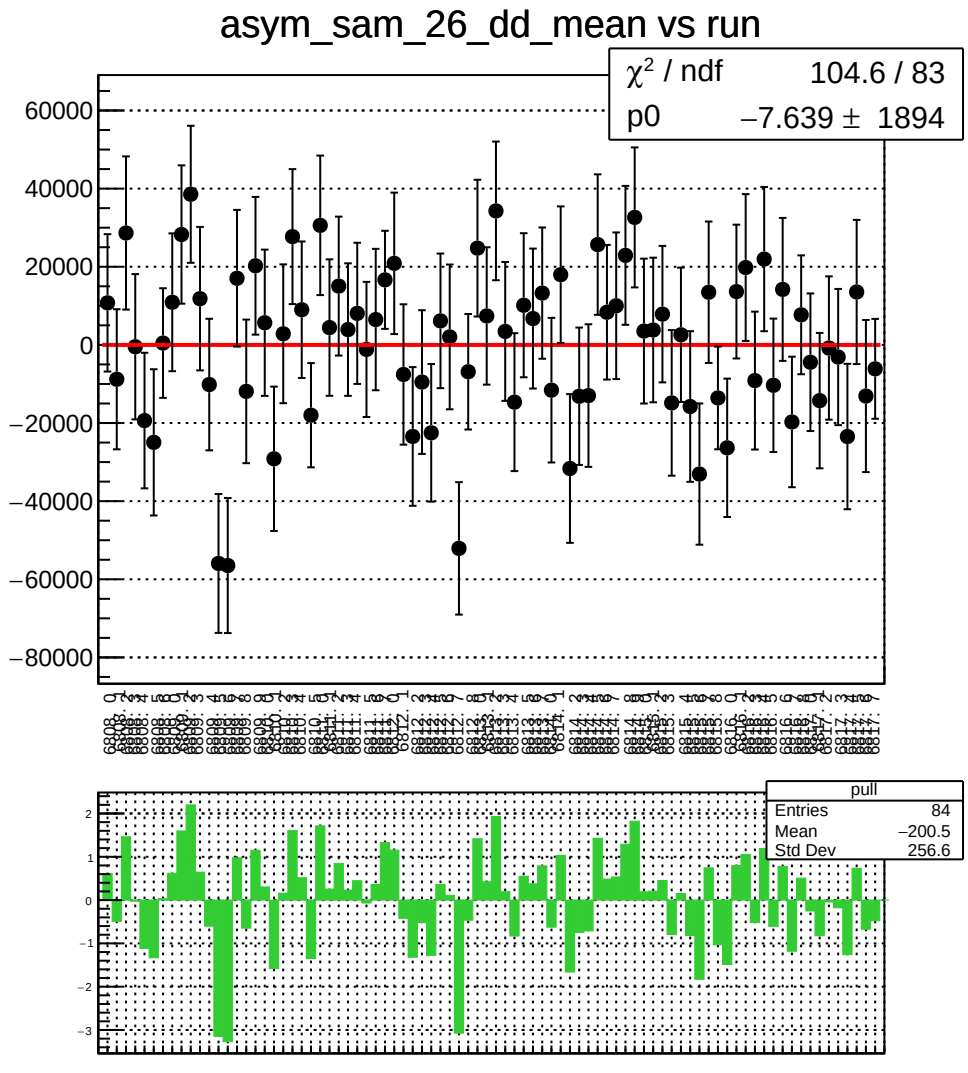

pull1D
Entries 84
Mean −0.006226
Std Dev 0.9078

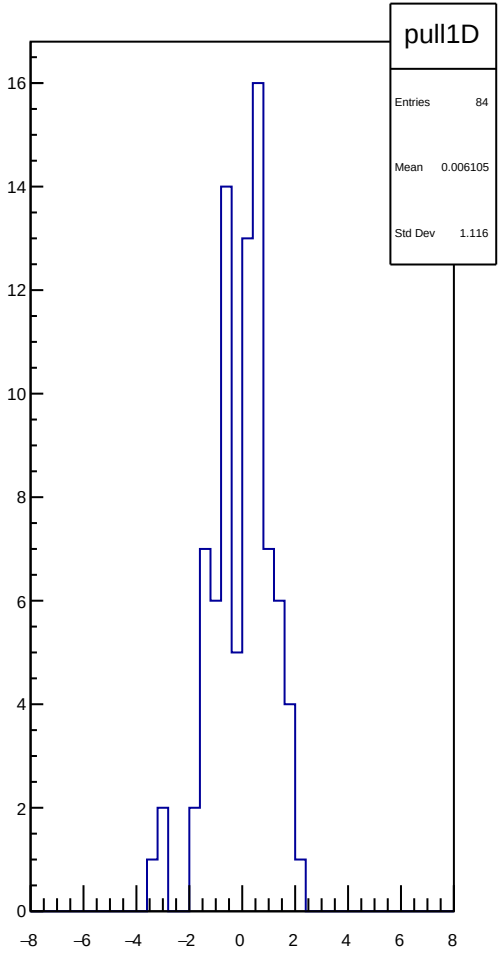

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 1591 / 83
p0 235.8 ± 0.1862
255
250
245
240
235
230
225
220
215

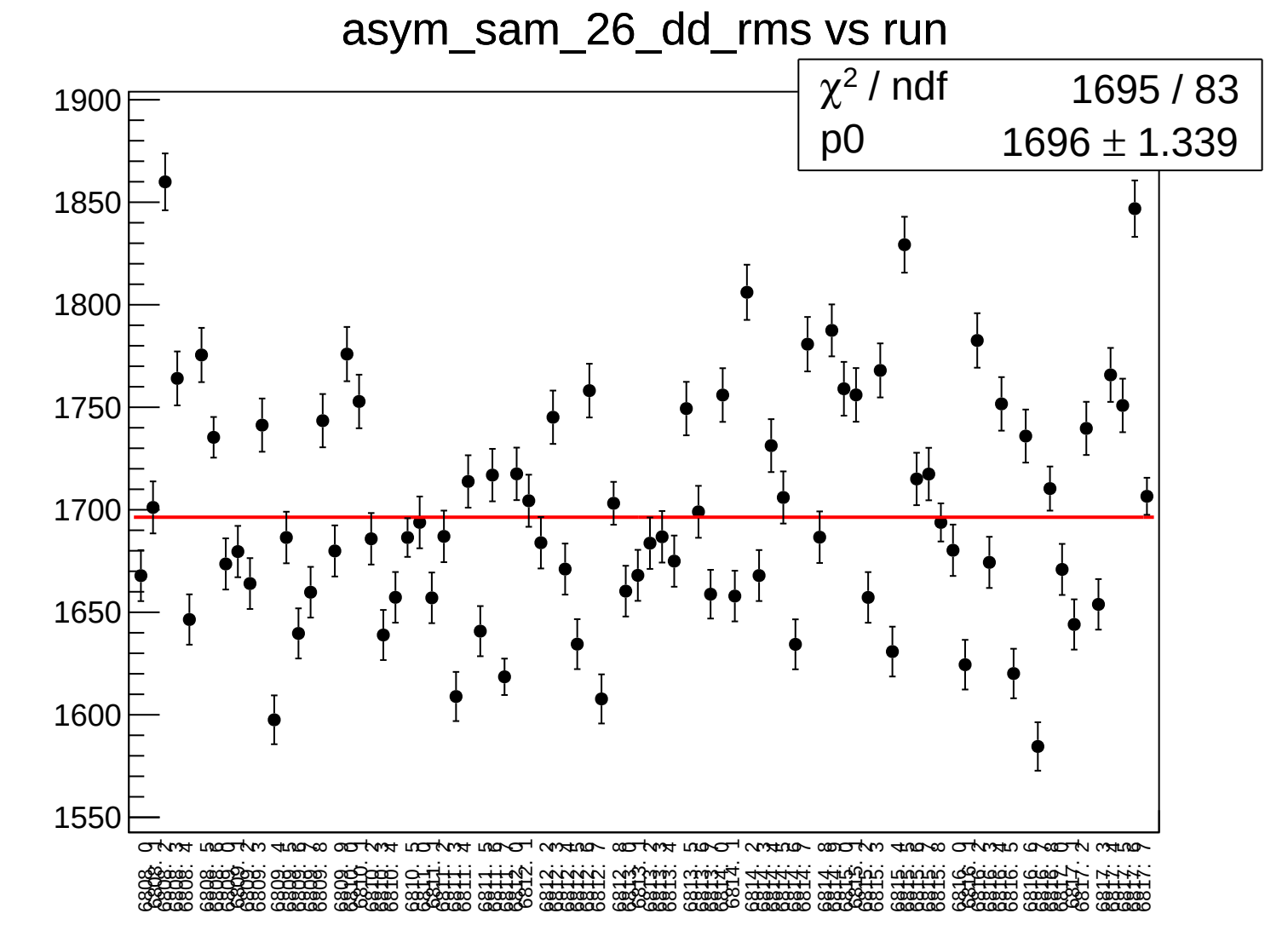

asym_sam_26_dd_correction_mean vs run
χ² / ndf 106.5 / 83
p0 333.6 ± 1907
pull
Entries 84
Mean −159.2
Std Dev 223.4

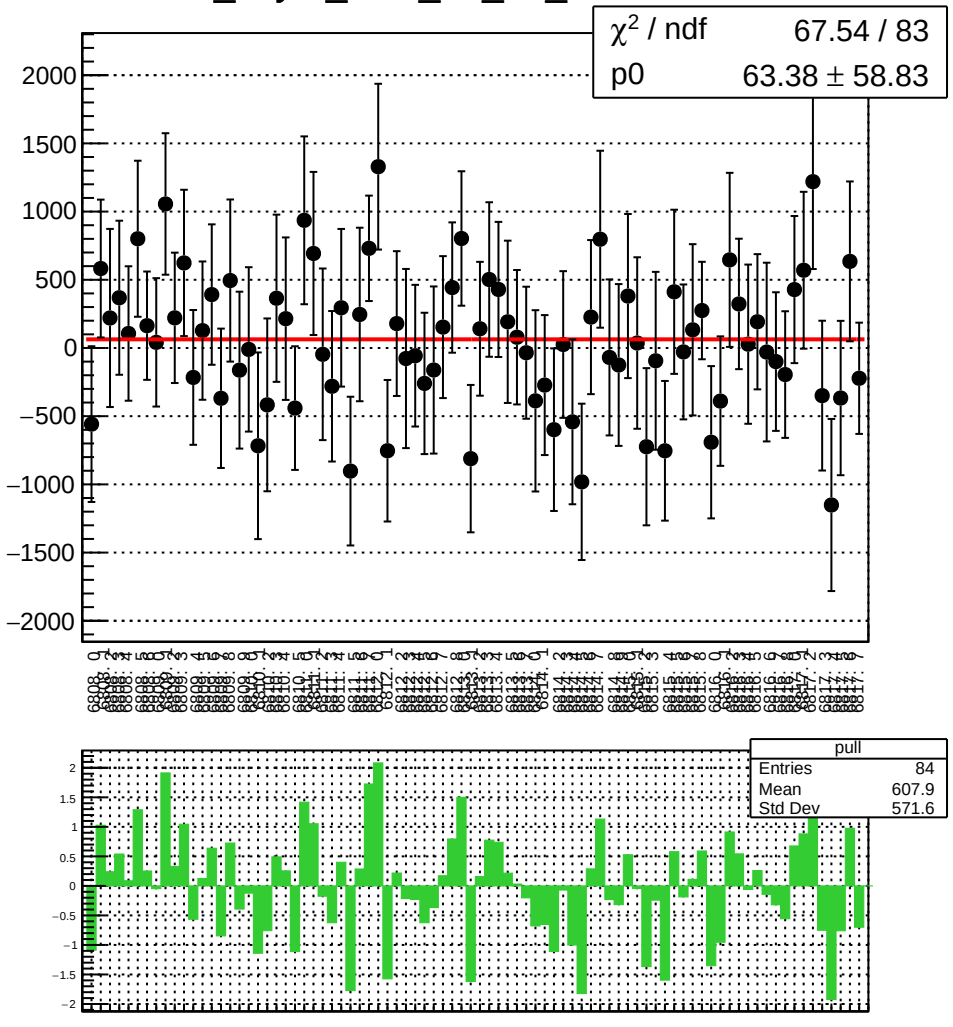

pull1D
Entries 84
Mean −0.005731
Std Dev 1.126

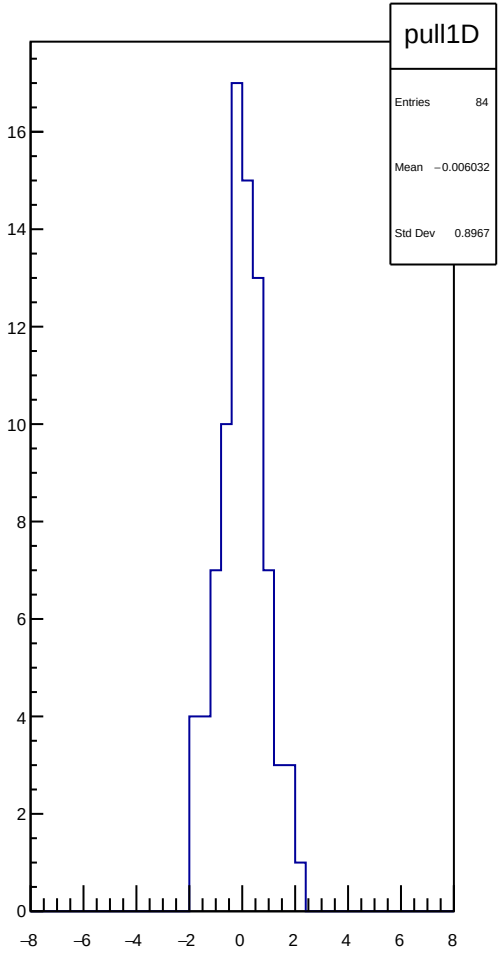

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1527 / 83
p0 1708 ± 1.348
1900
1850
1800
1750
1700
1650
1600

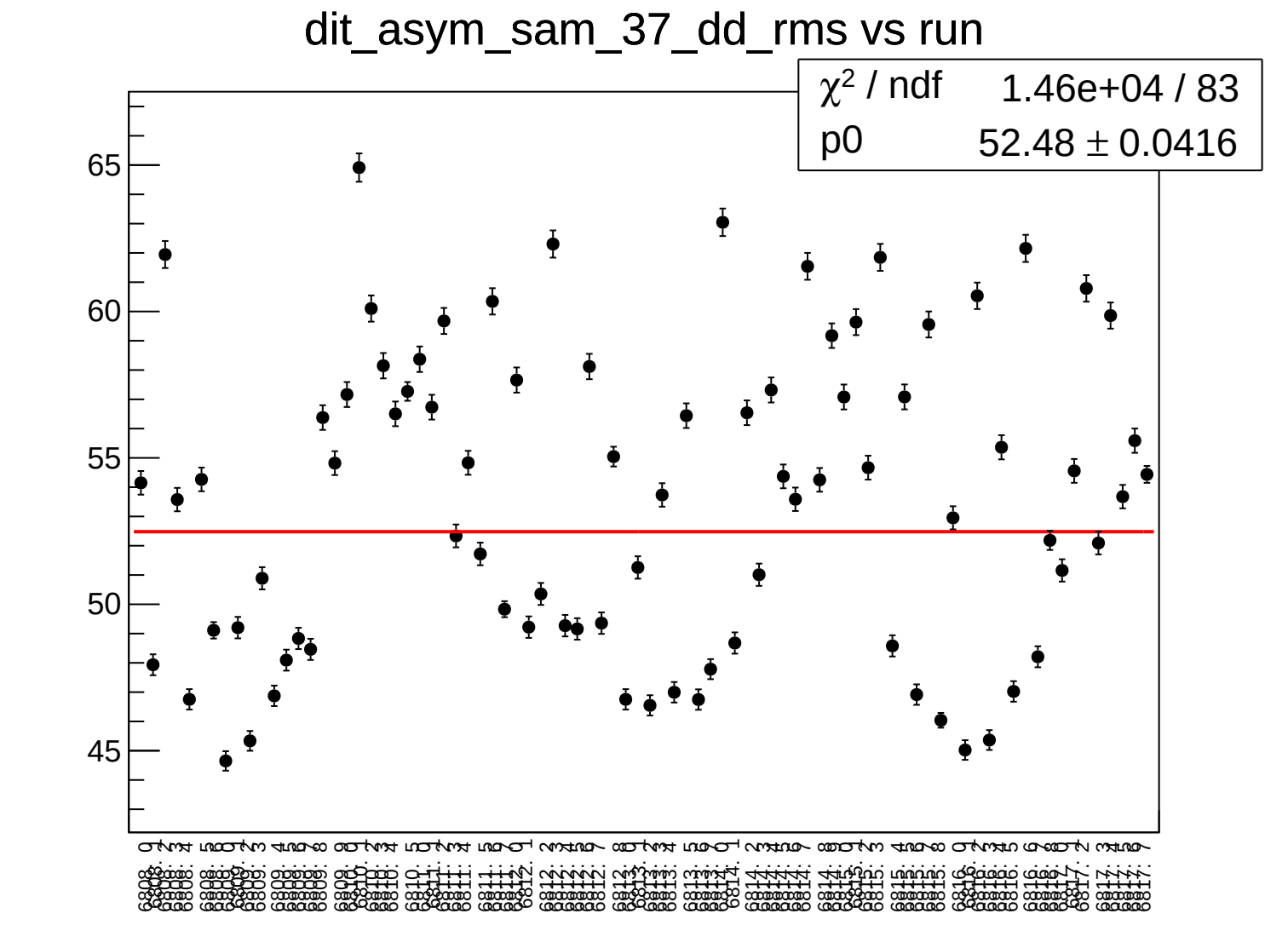

asym_sam_26_dd_mean vs run
χ² / ndf 104.6 / 83
p0 −7.639 ± 1894
pull
Entries 84
Mean −200.5
Std Dev 256.6

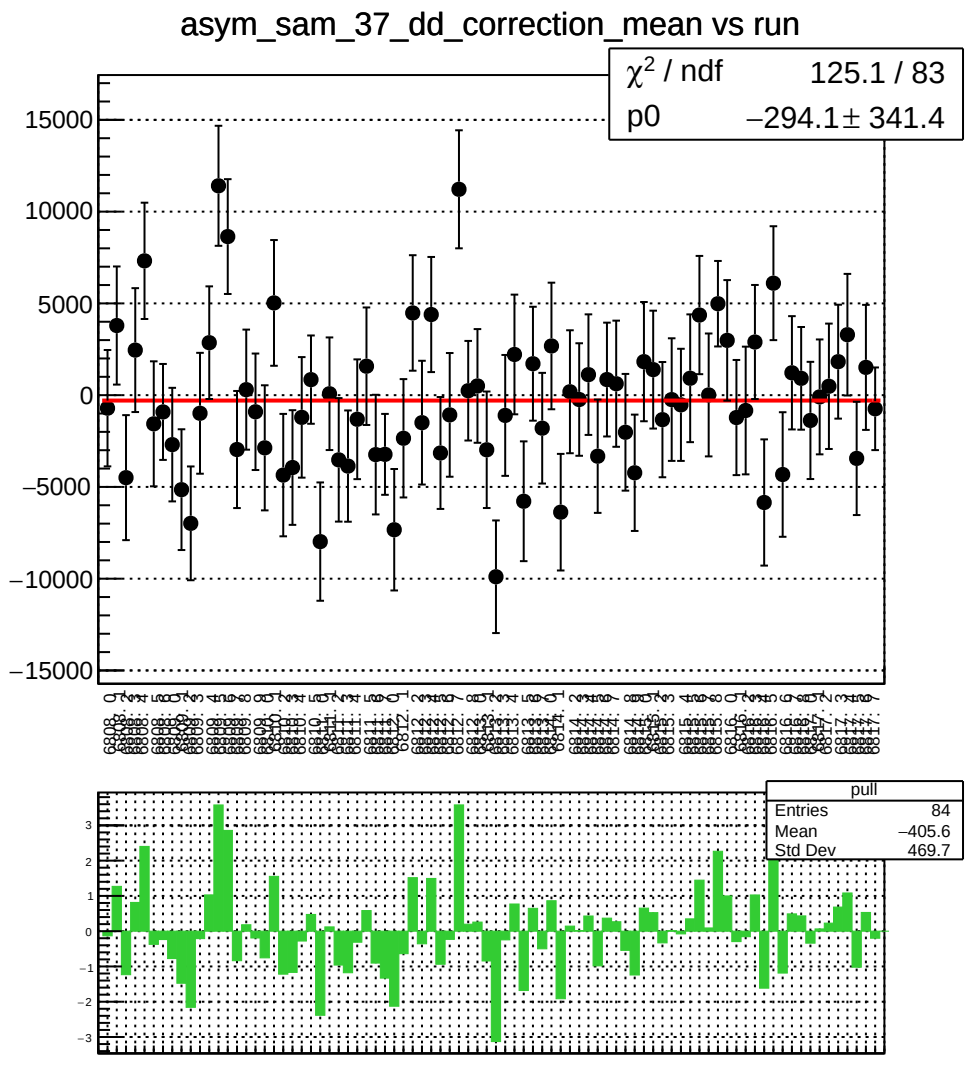

pull1D
Entries 84
Mean 0.006105
Std Dev 1.116

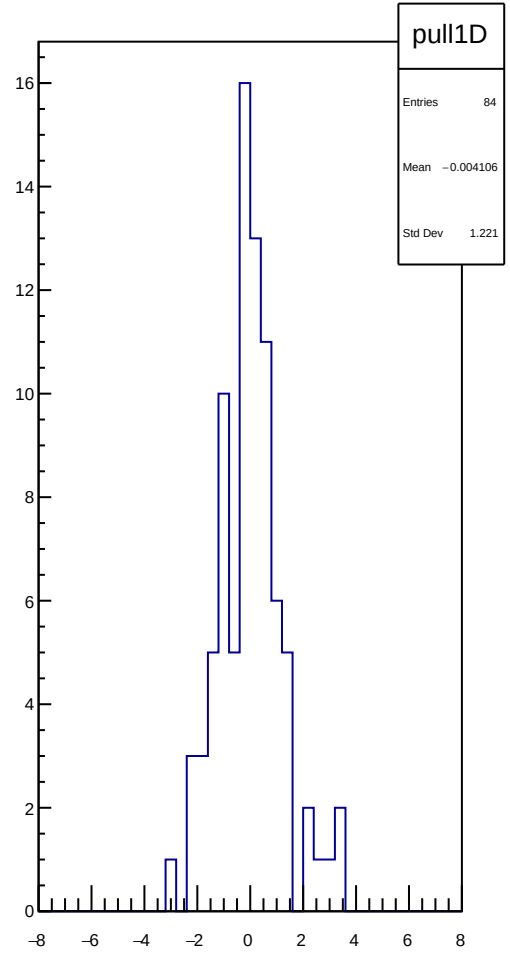

asym_sam_26_dd_rms vs run
χ² / ndf 1695 / 83
p0 1696 ± 1.339
1900
1850
1800
1750
1700
1650
1600
1550

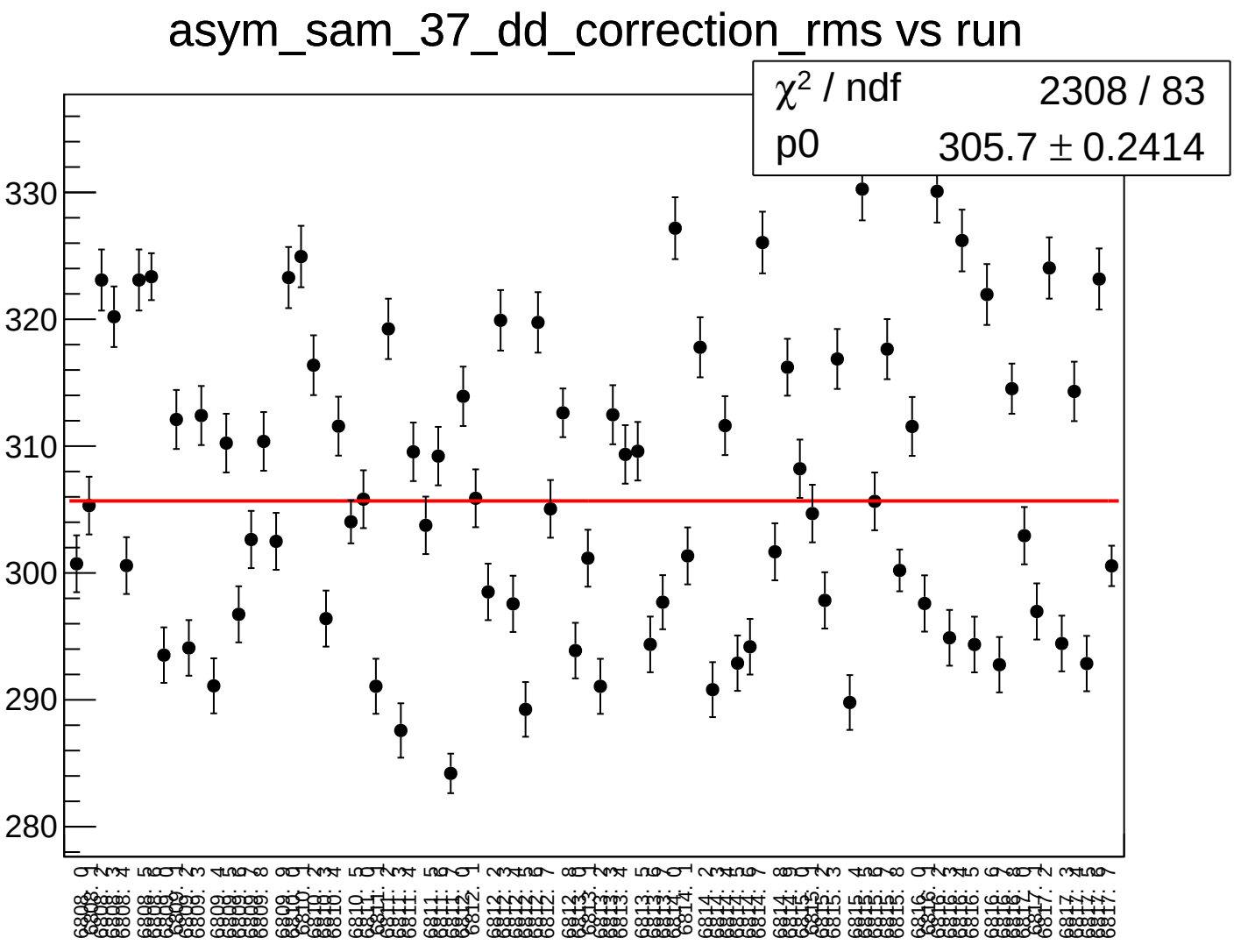

dit_asym_sam_37_dd_mean vs run
χ² / ndf 67.54 / 83
p0 63.38 ± 58.83
pull
Entries 84
Mean 607.9
Std Dev 571.6

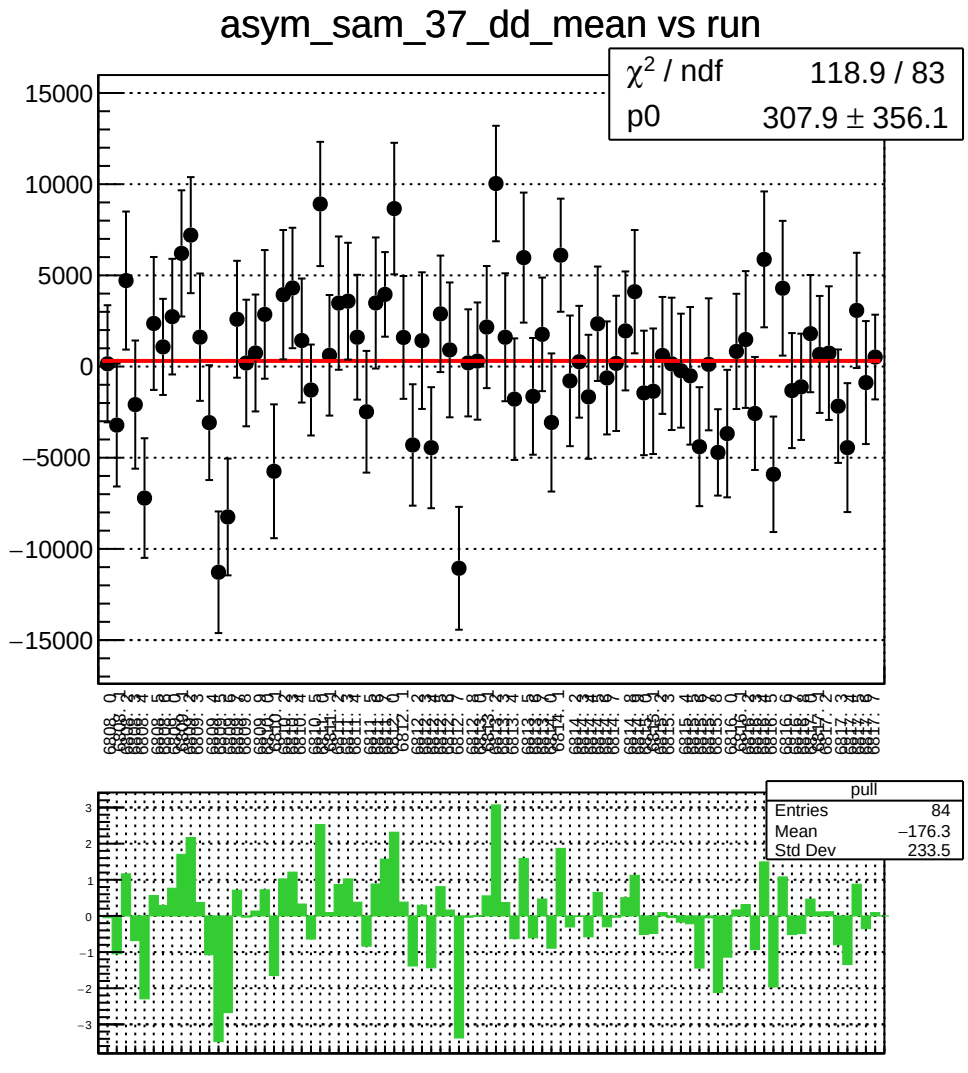

pull1D
Entries 84
Mean −0.006032
Std Dev 0.8967

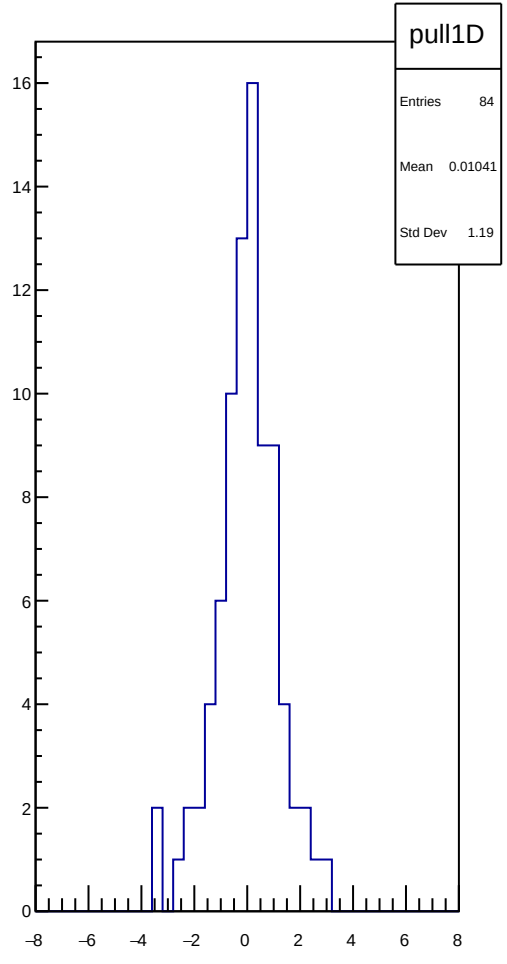

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.46e+04 / 83
p0 52.48 ± 0.0416
65
60
55
50
45

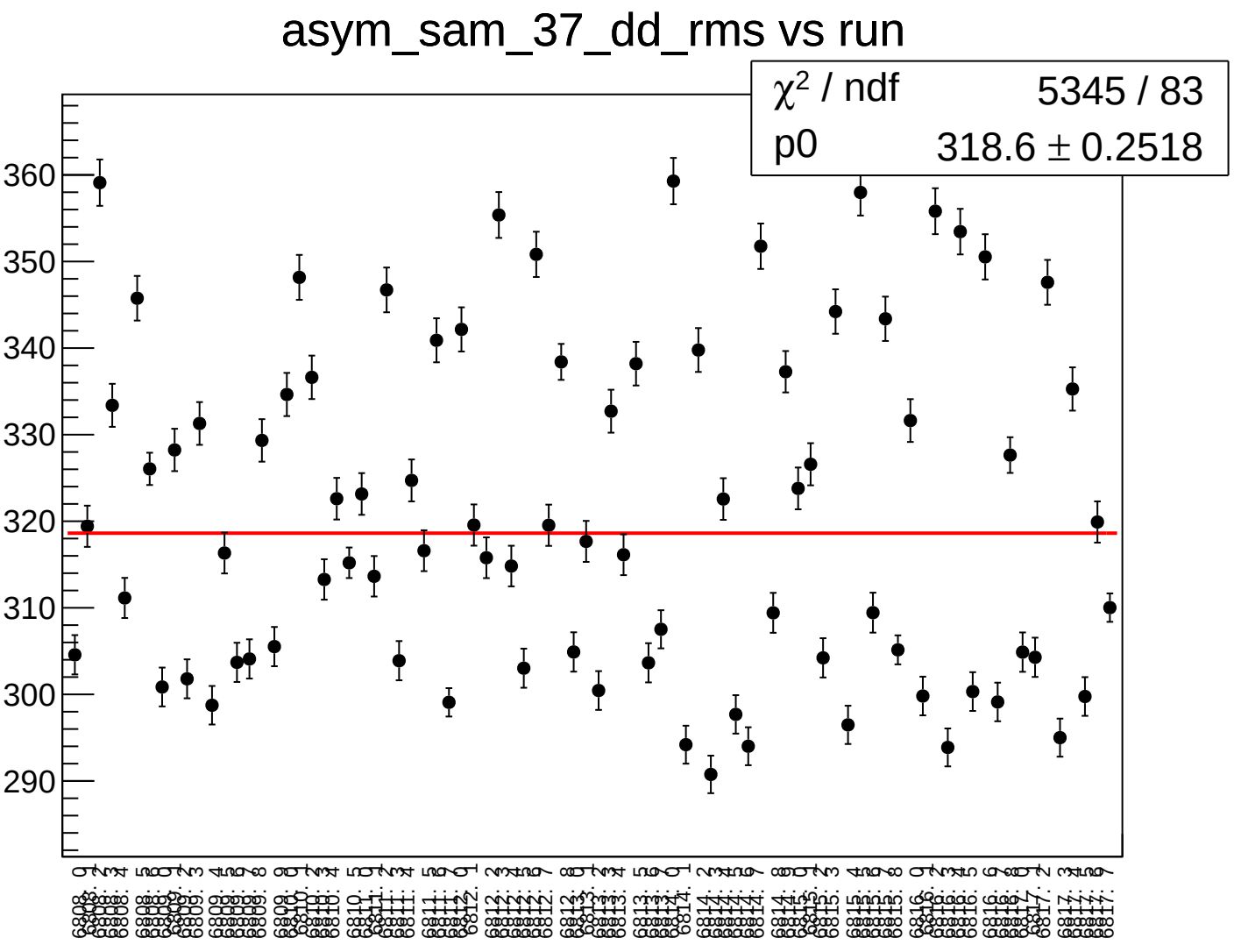

asym_sam_37_dd_correction_mean vs run
χ² / ndf 125.1 / 83
p0 −294.1± 341.4
pull
Entries 84
Mean −405.6
Std Dev 469.7

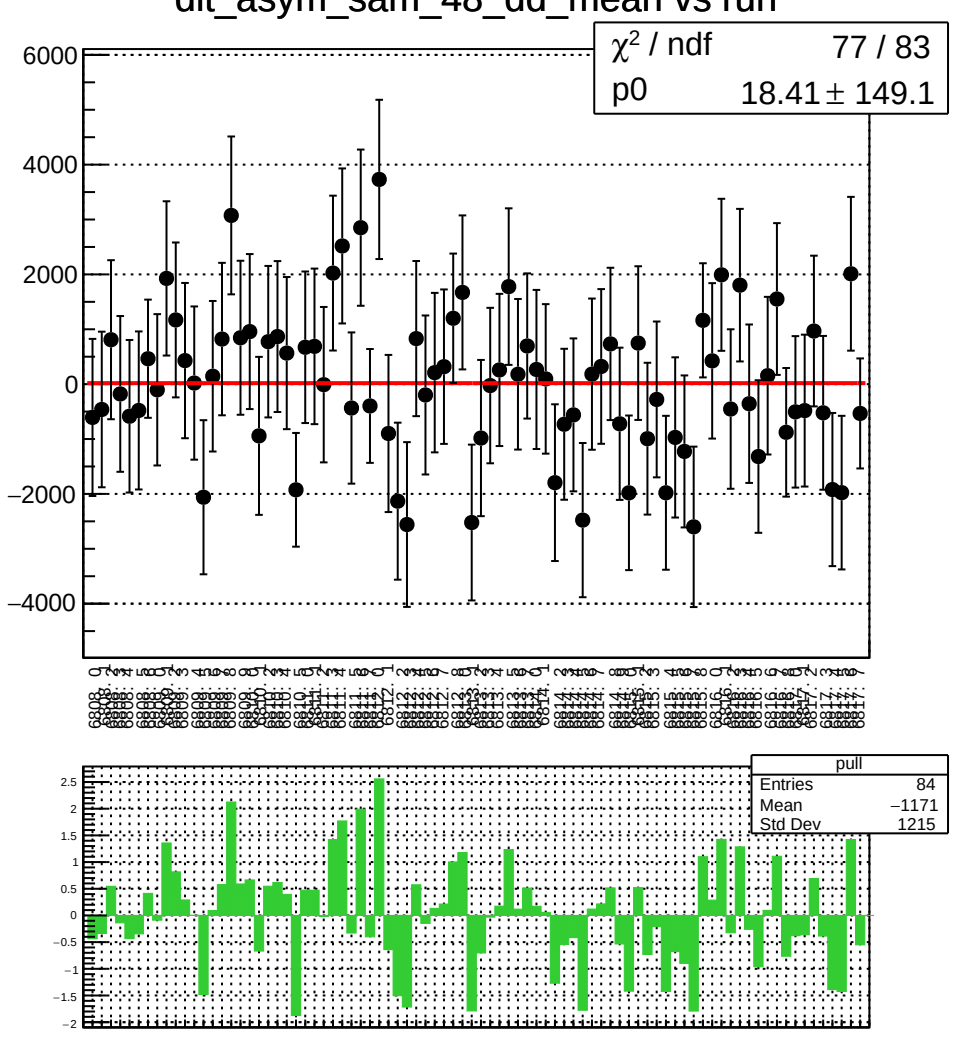

pull1D
Entries 84
Mean −0.004106
Std Dev 1.221

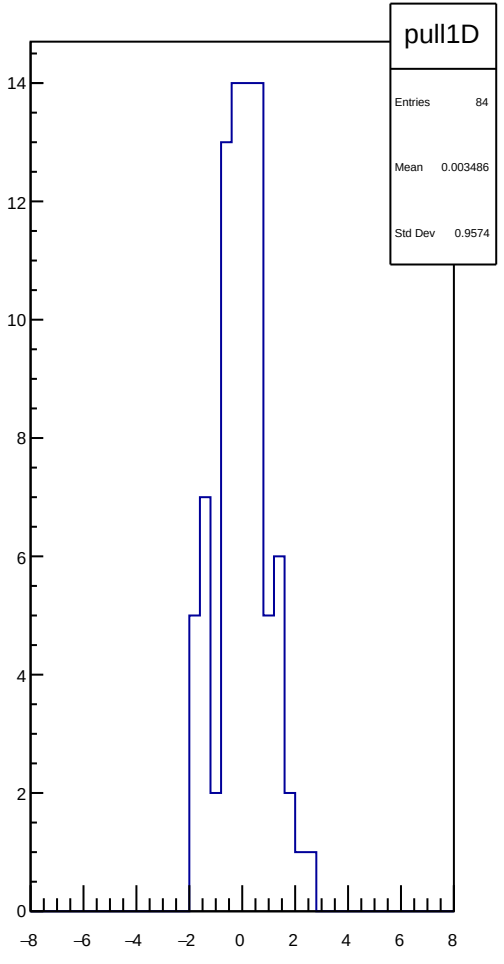

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2308 / 83
p0 305.7 ± 0.2414
330
320
310
300
290
280

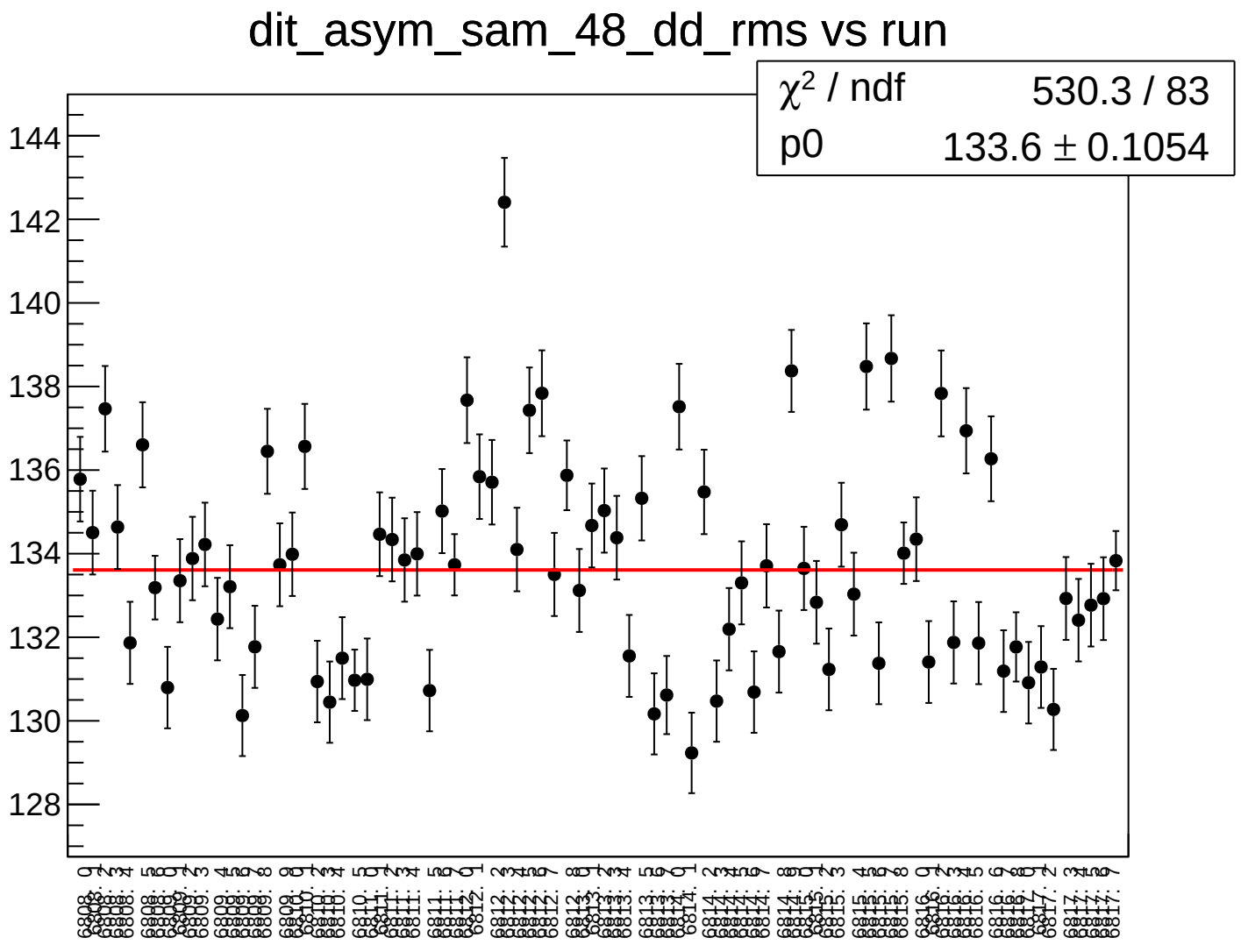

asym_sam_37_dd_mean vs run
χ² / ndf 118.9 / 83
p0 307.9 ± 356.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −176.3
Std Dev 233.5
3
2
1
0
−1
−2
−3

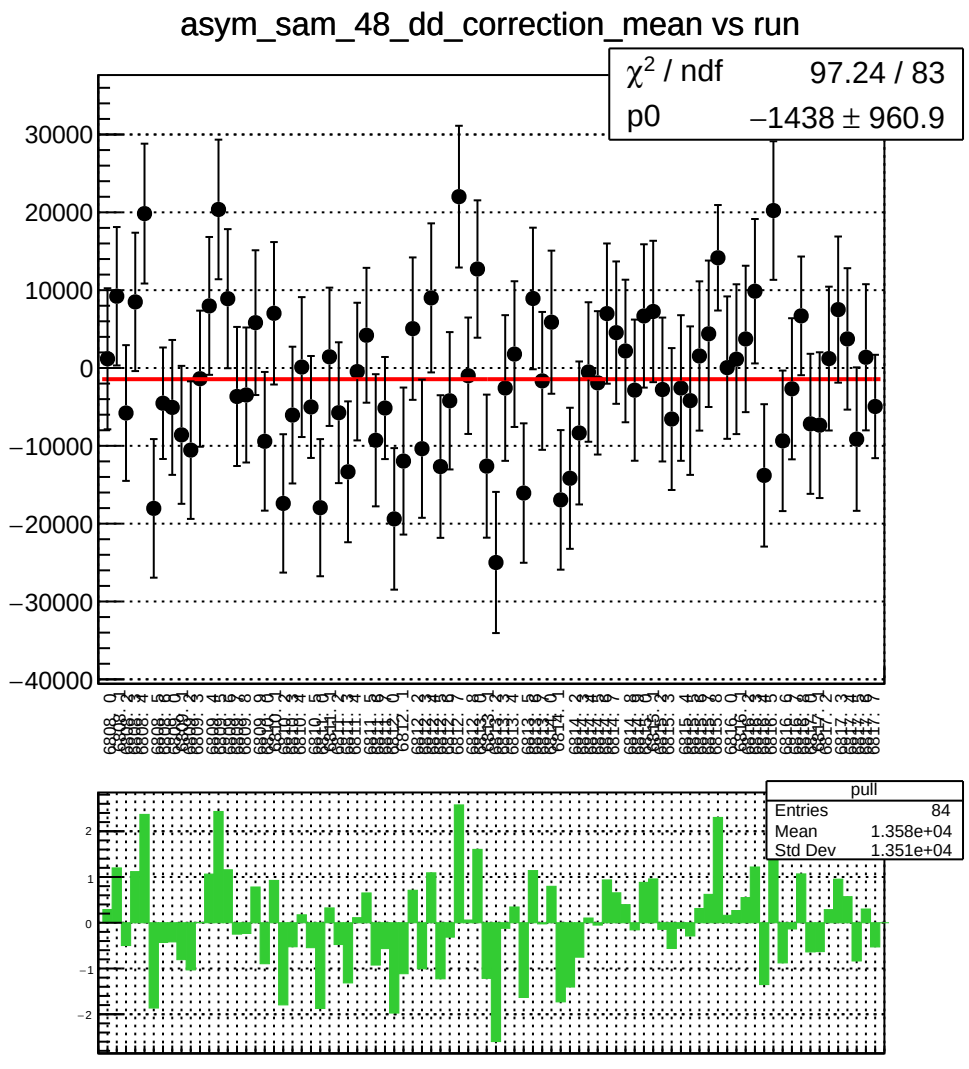

pull1D
Entries 84
Mean 0.01041
Std Dev 1.19
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

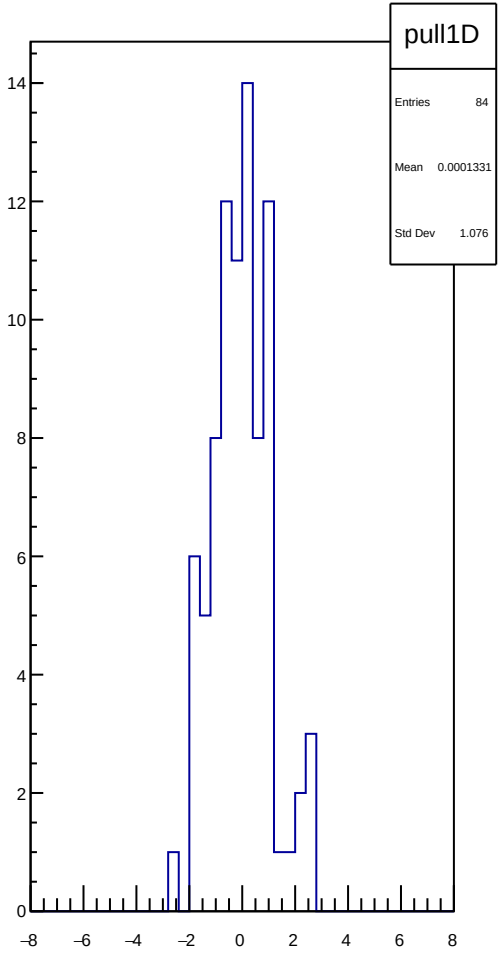

asym_sam_37_dd_rms vs run
χ² / ndf 5345 / 83
p0 318.6 ± 0.2518
360
350
340
330
320
310
300
290

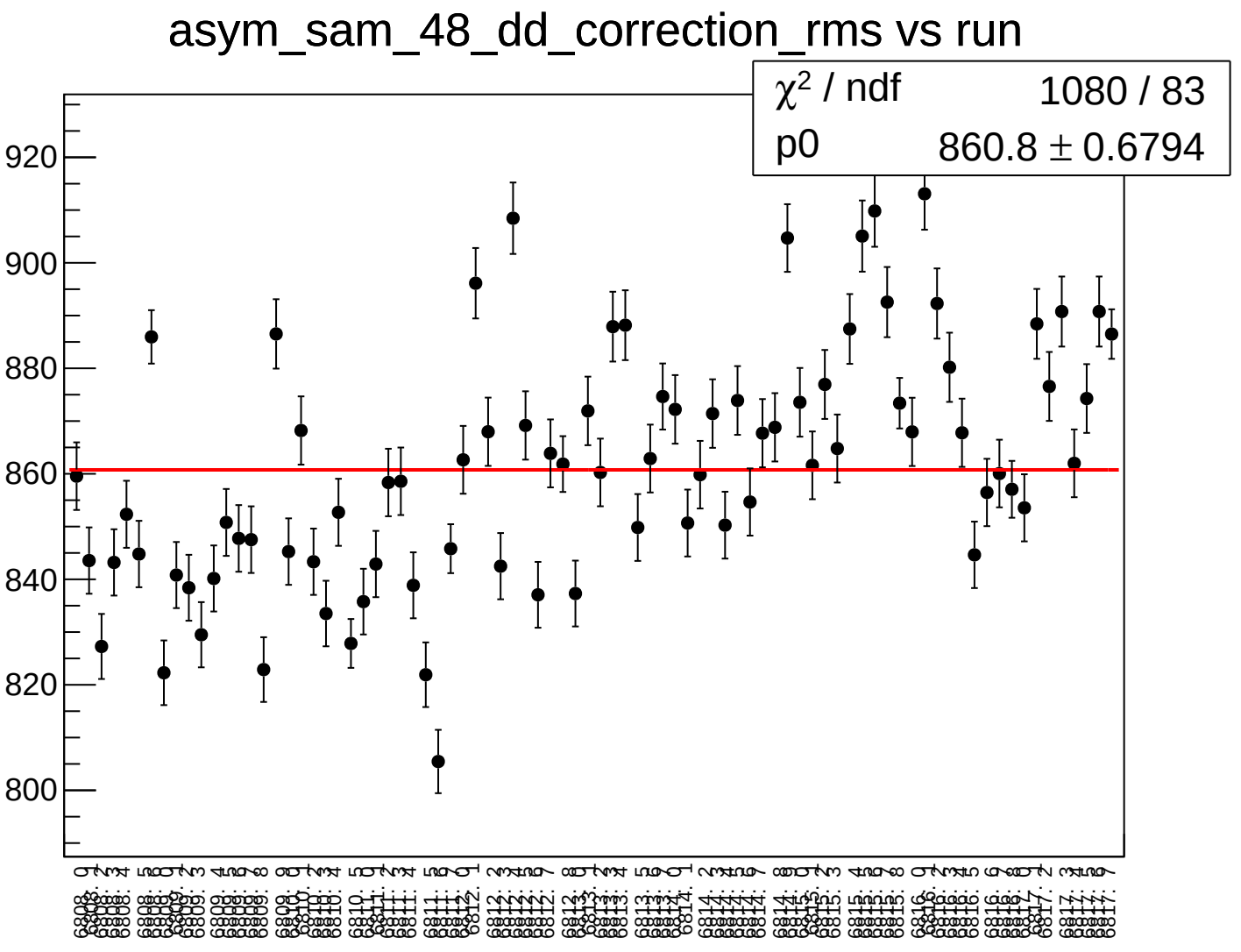

dit_asym_sam_48_dd_mean vs run
χ² / ndf 77 / 83
p0 18.41 ± 149.1
pull
Entries 84
Mean −1171
Std Dev 1215

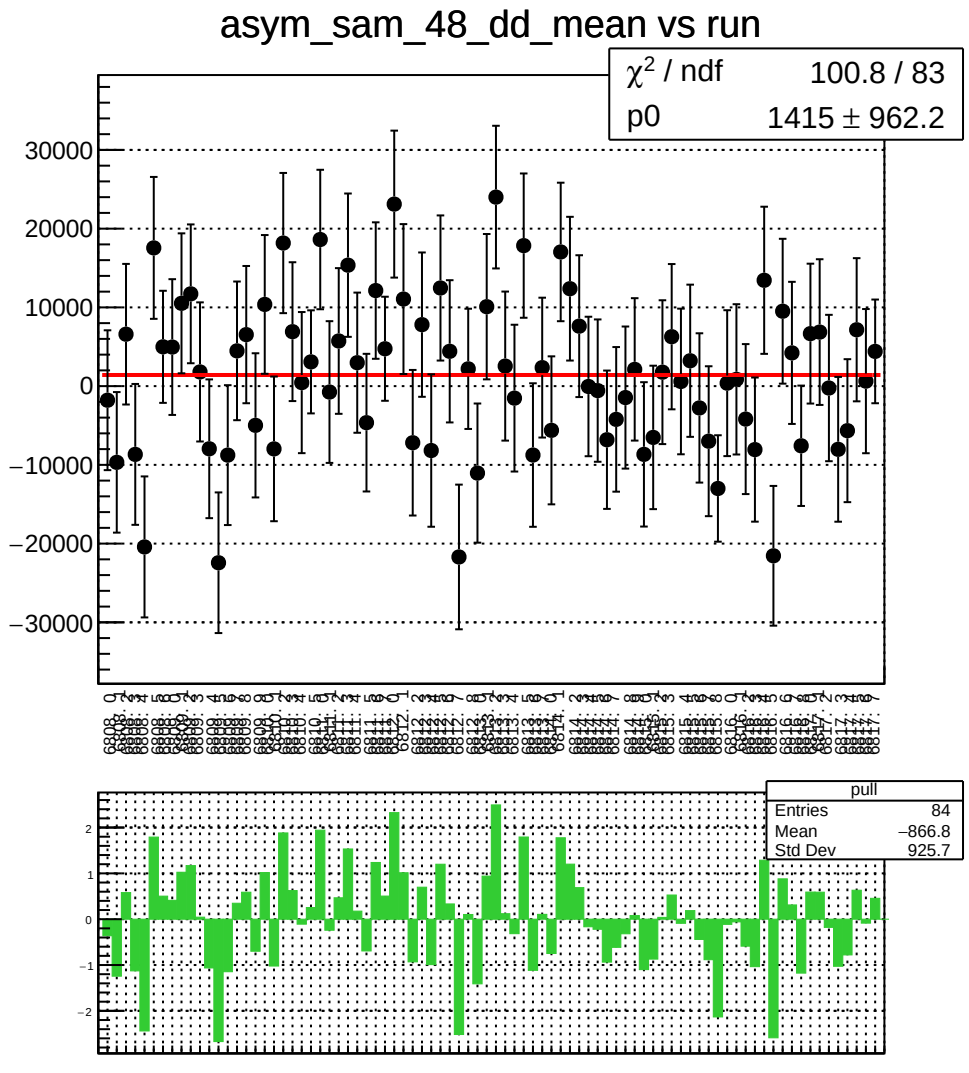

pull1D
Entries 84
Mean 0.003486
Std Dev 0.9574

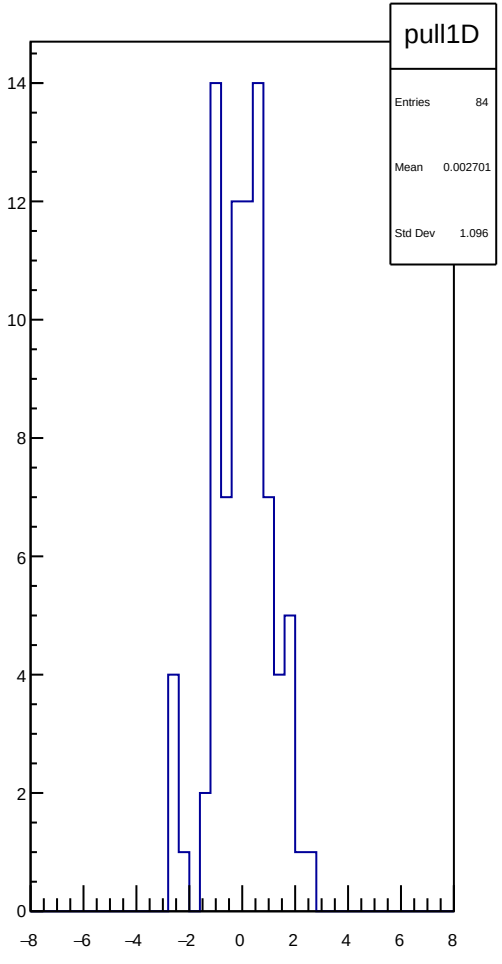

dit_asym_sam_48_dd_rms vs run
χ² / ndf 530.3 / 83
p0 133.6 ± 0.1054
144
142
140
138
136
134
132
130
128

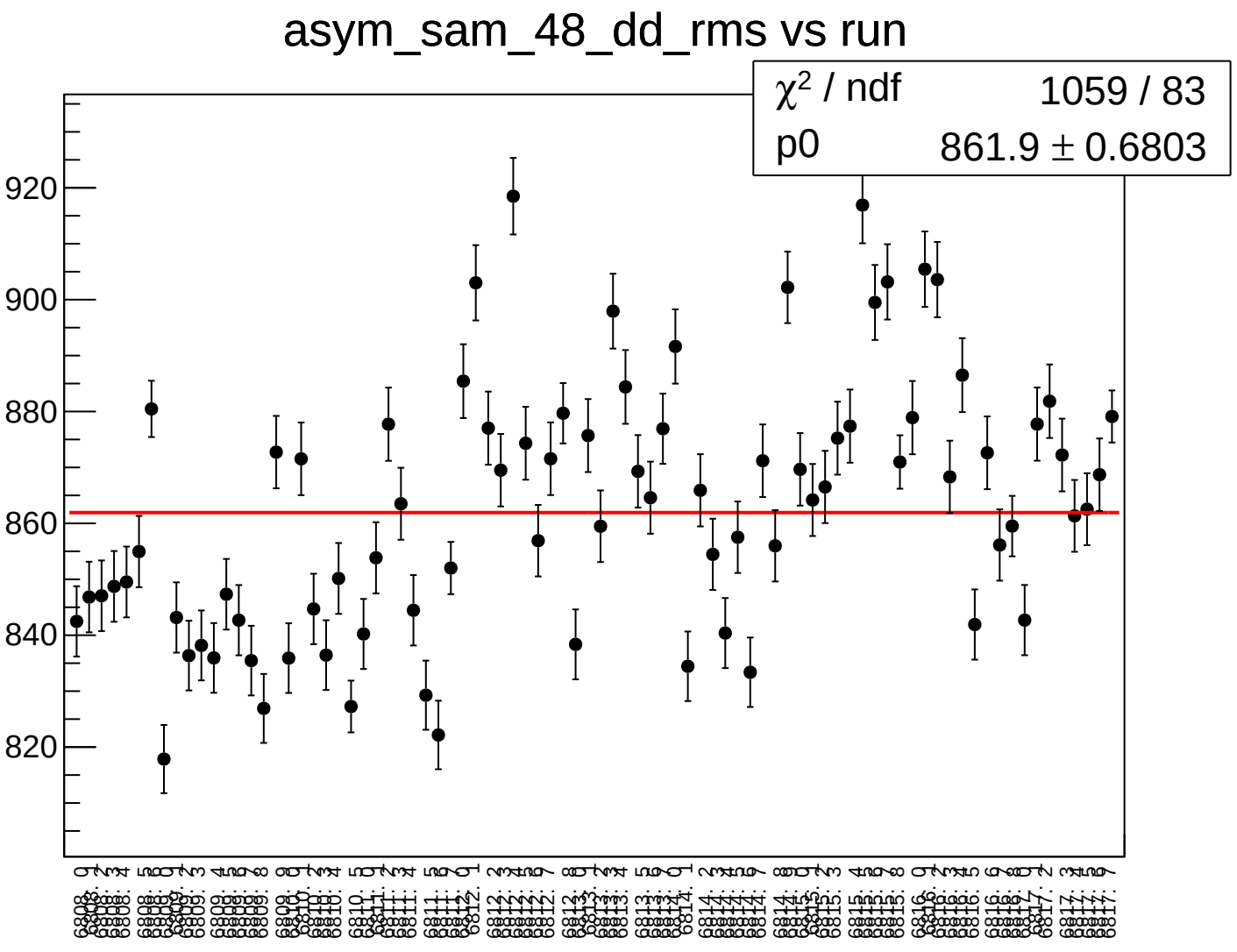

asym_sam_48_dd_correction_mean vs run
χ² / ndf 97.24 / 83
p0 −1438 ± 960.9
pull
Entries 84
Mean 1.358e+04
Std Dev 1.351e+04

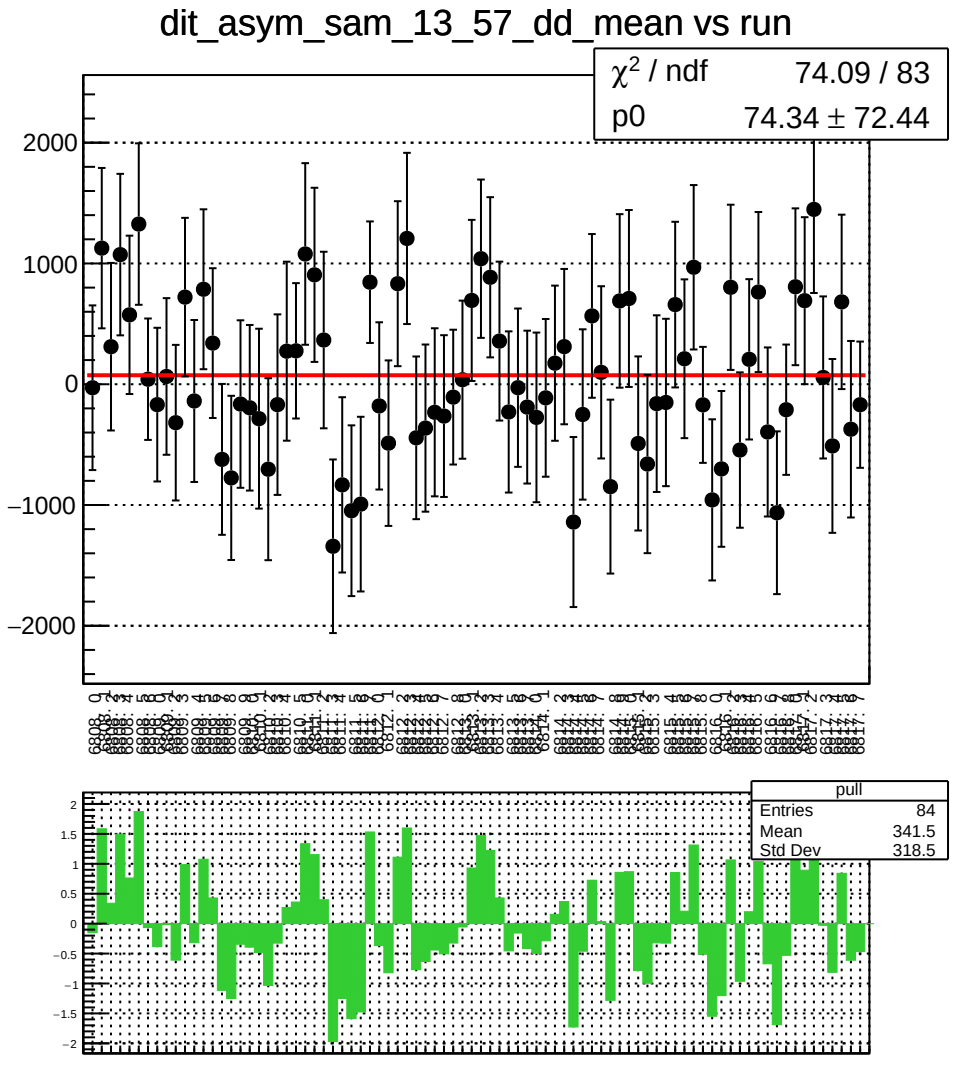

pull1D
Entries 84
Mean 0.0001331
Std Dev 1.076

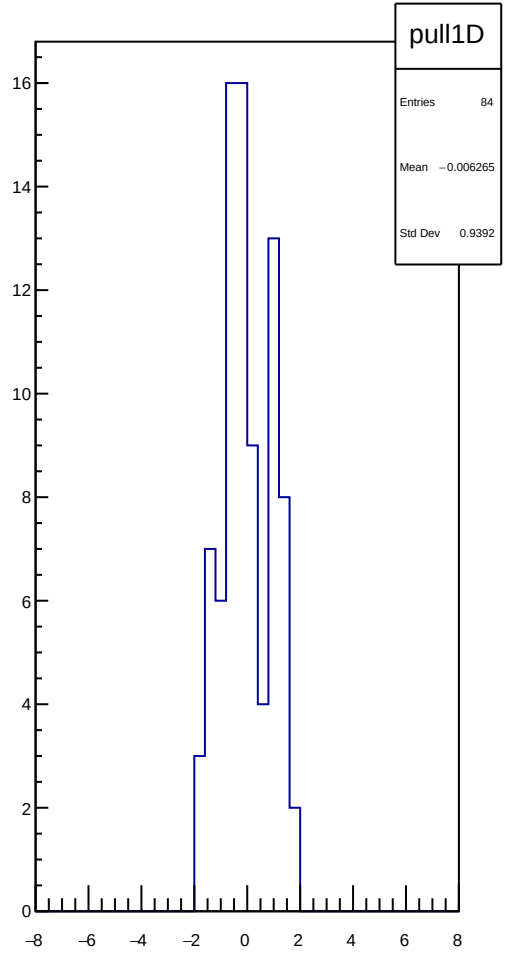

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1080 / 83
p0 860.8 ± 0.6794
920
900
880
860
840
820
800

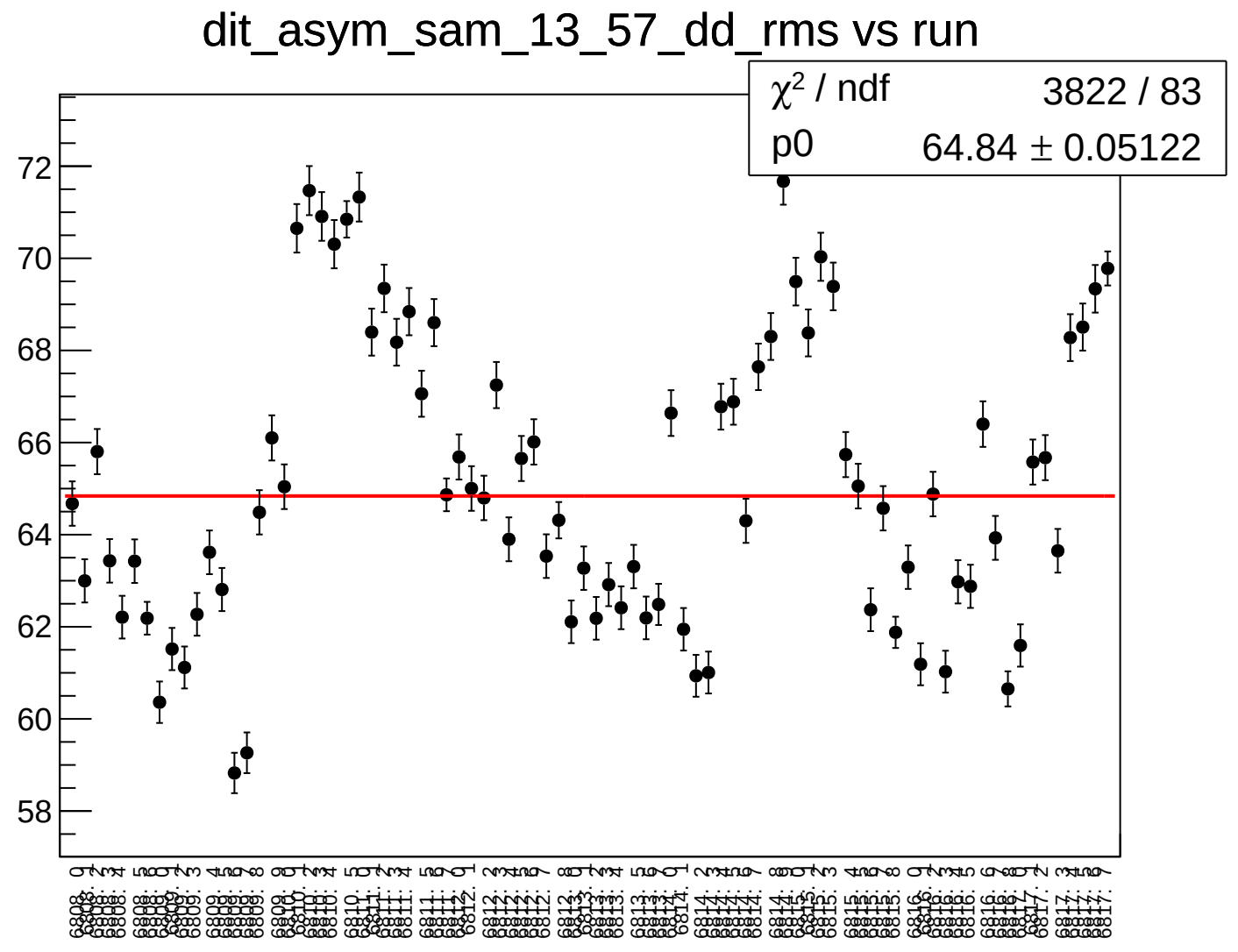

asym_sam_48_dd_mean vs run
χ² / ndf 100.8 / 83
p0 1415 ± 962.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −866.8
Std Dev 925.7
2
1
0
−1
−2

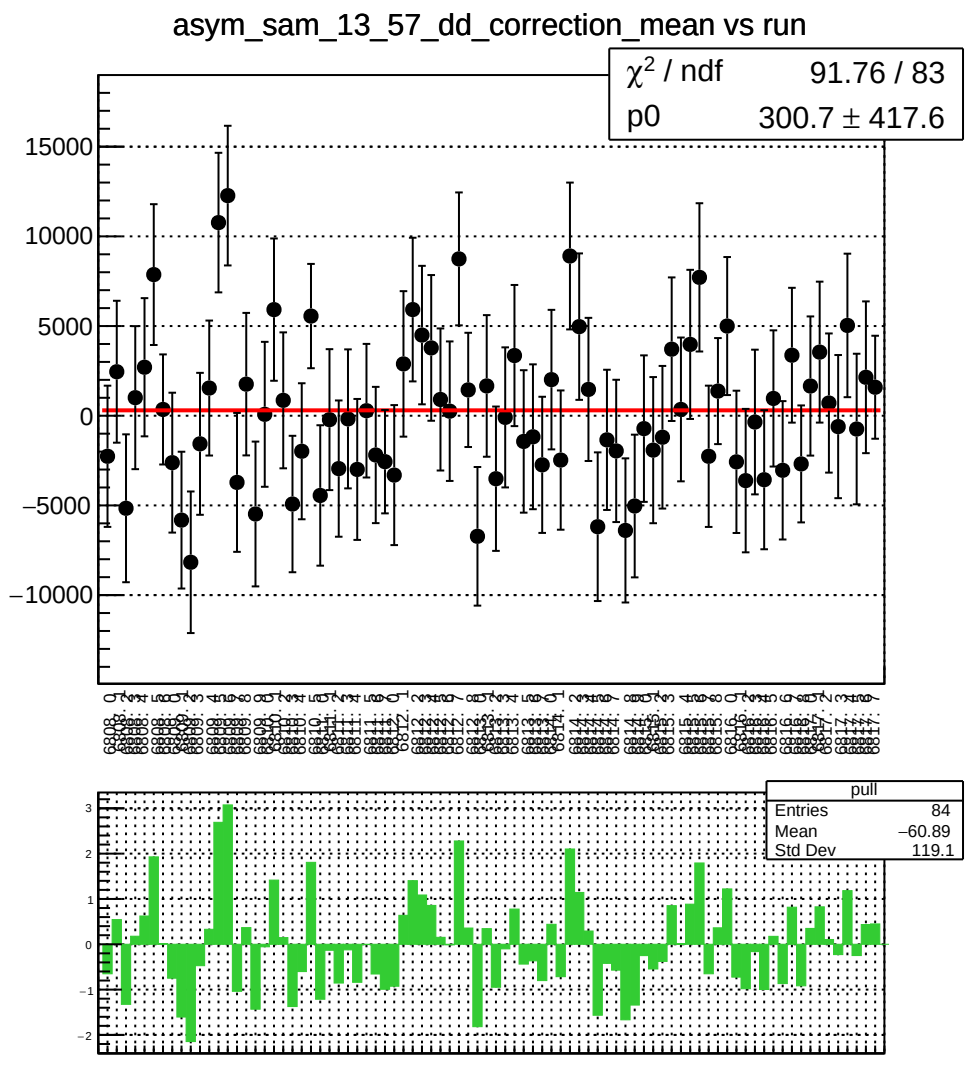

pull1D
Entries 84
Mean 0.002701
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

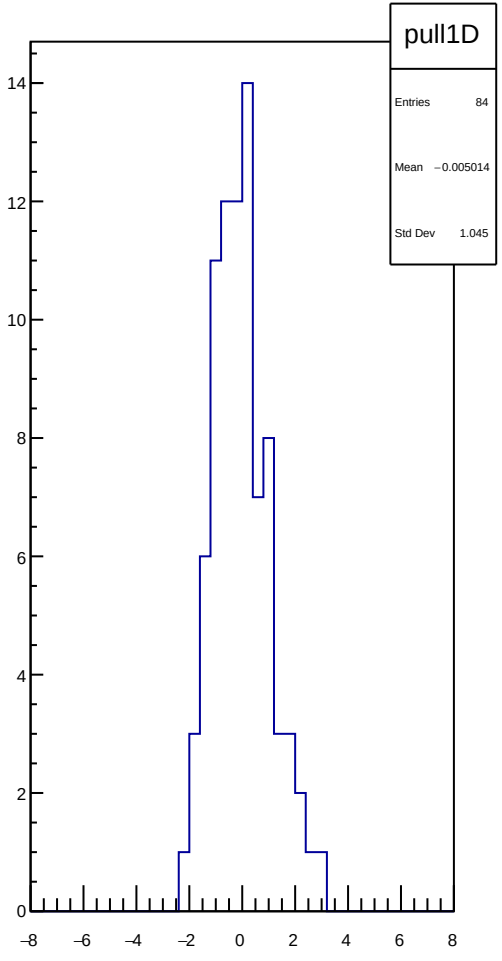

asym_sam_48_dd_rms vs run
χ² / ndf 1059 / 83
p0 861.9 ± 0.6803
920
900
880
860
840
820

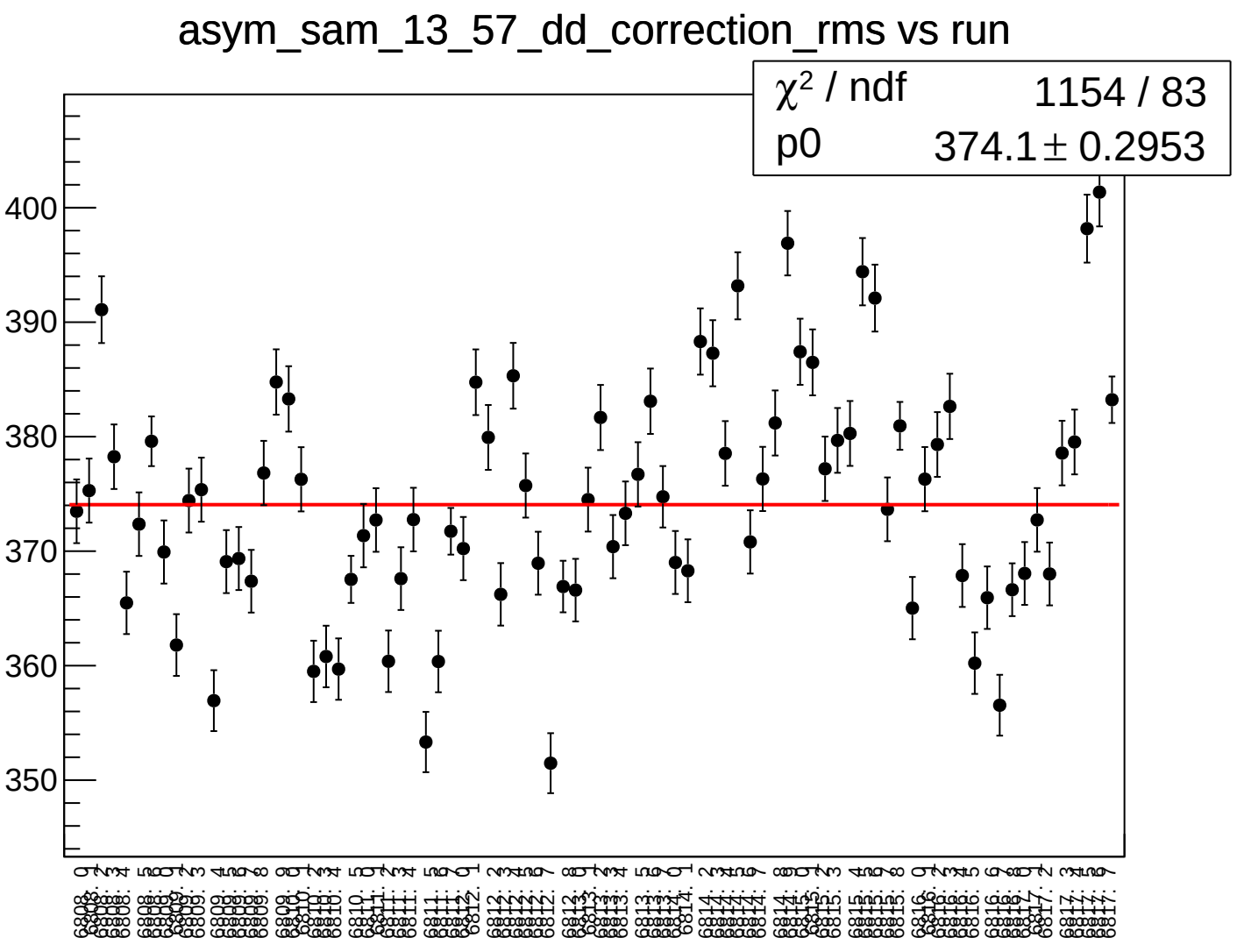

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 74.09 / 83
p0 74.34 ± 72.44
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 341.5
Std Dev 318.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

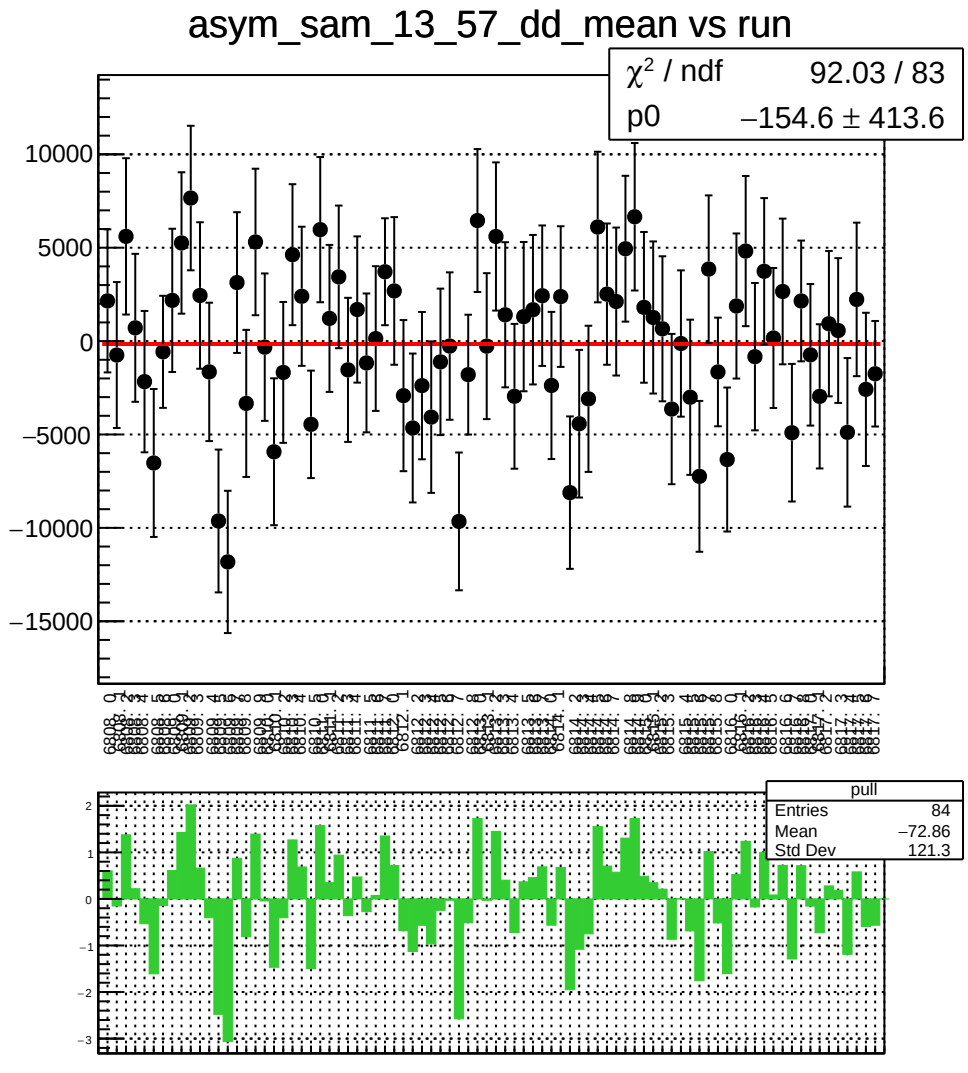

pull1D
Entries 84
Mean −0.006265
Std Dev 0.9392
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

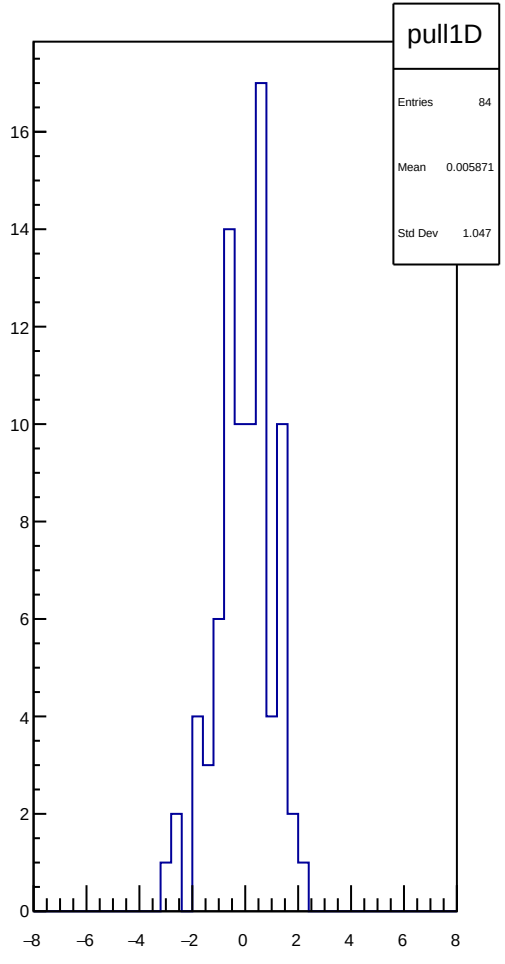

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 3822 / 83
p0 64.84 ± 0.05122
72
70
68
66
64
62
60
58

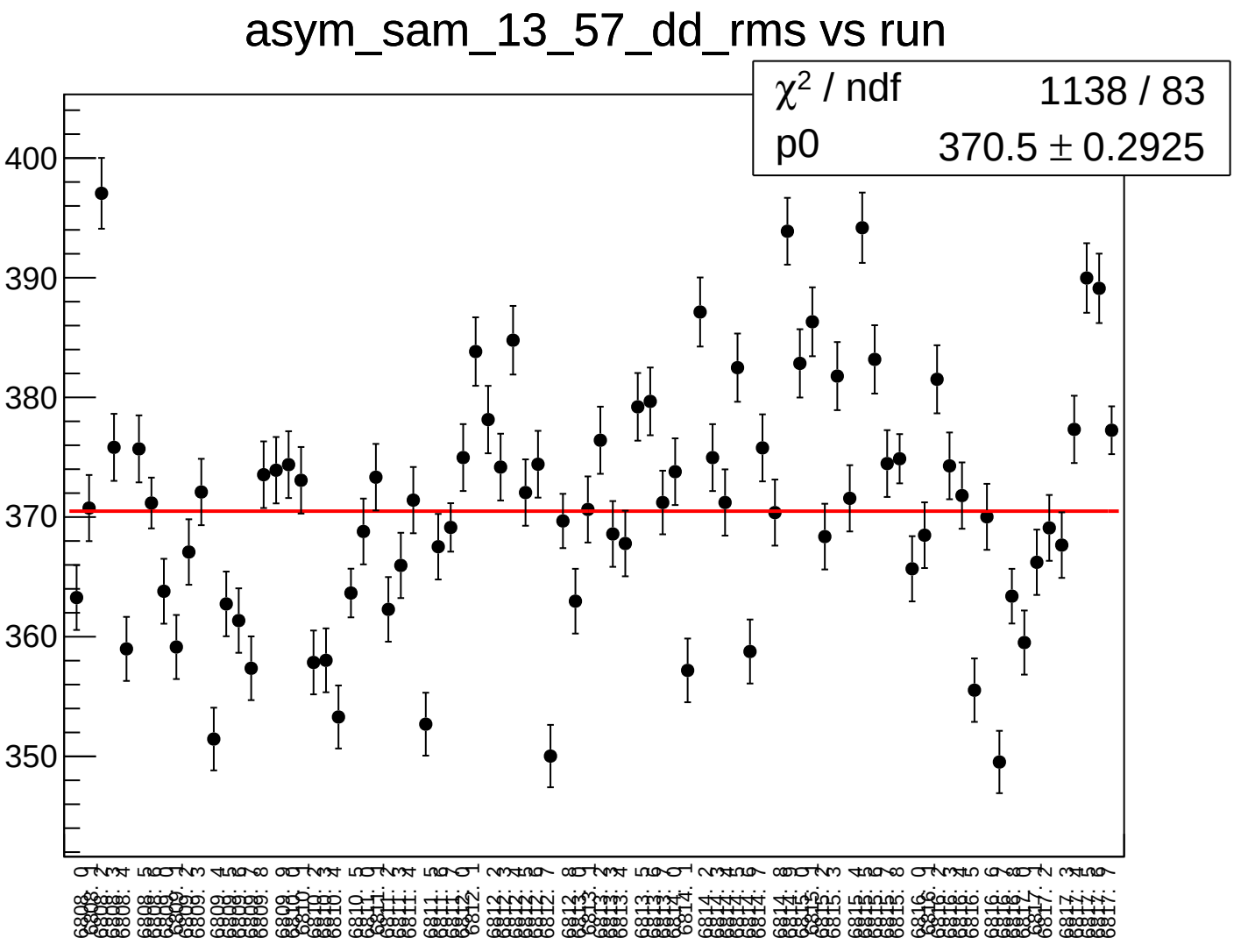

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 91.76 / 83
p0 300.7 ± 417.6
15000
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −60.89
Std Dev 119.1
3
2
1
0
−1
−2

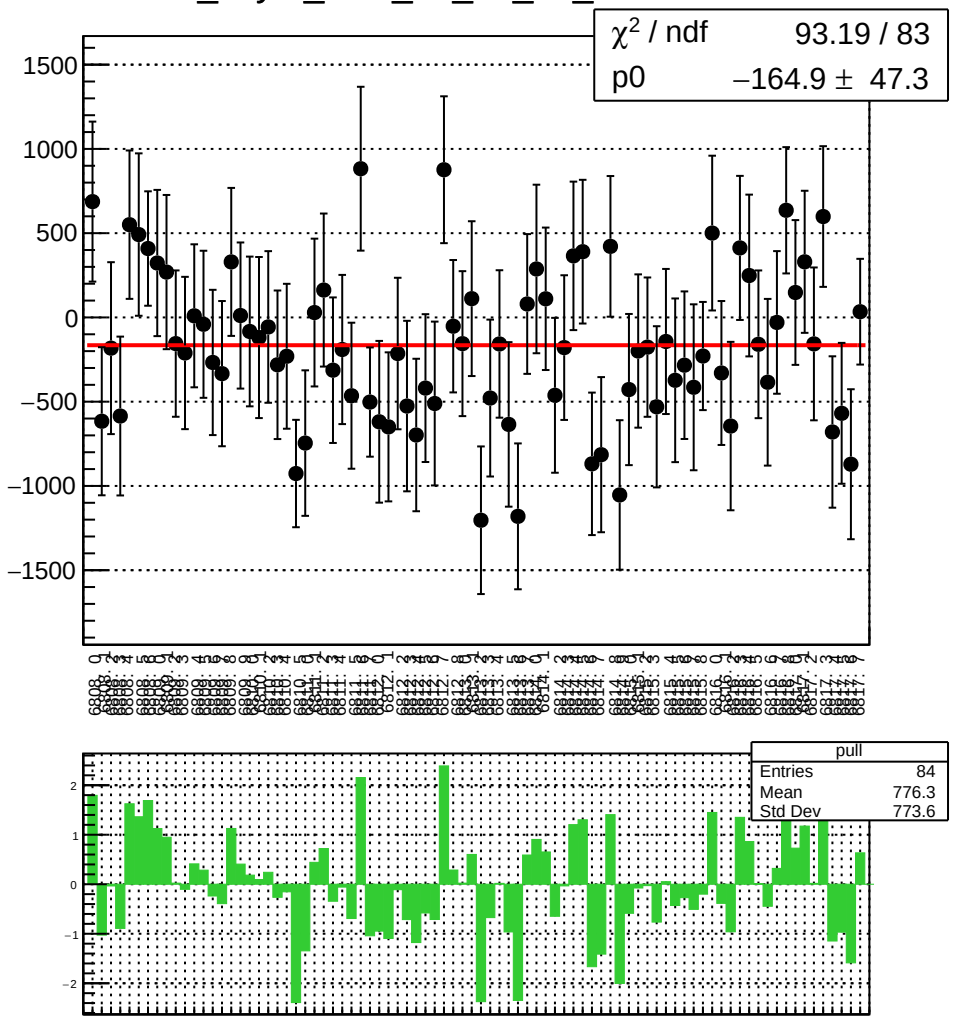

pull1D
Entries 84
Mean −0.005014
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

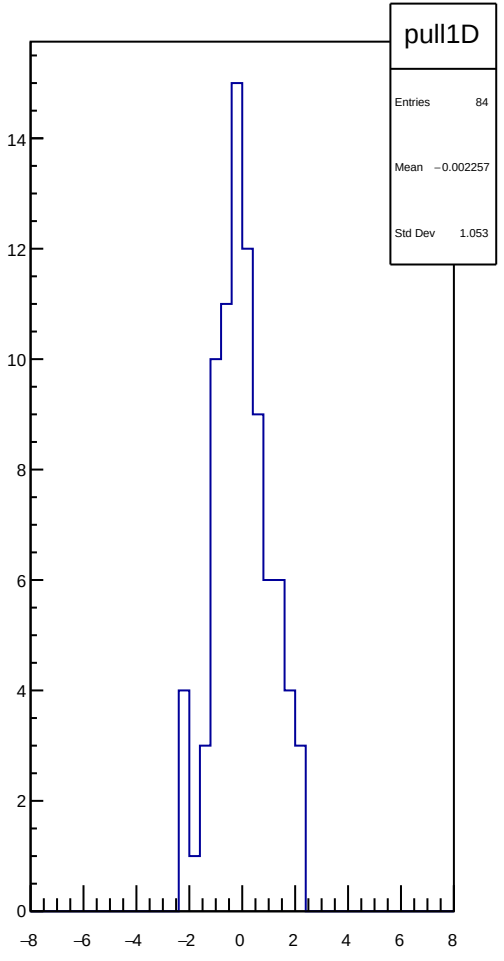

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1154 / 83
p0 374.1 ± 0.2953
400
390
380
370
360
350

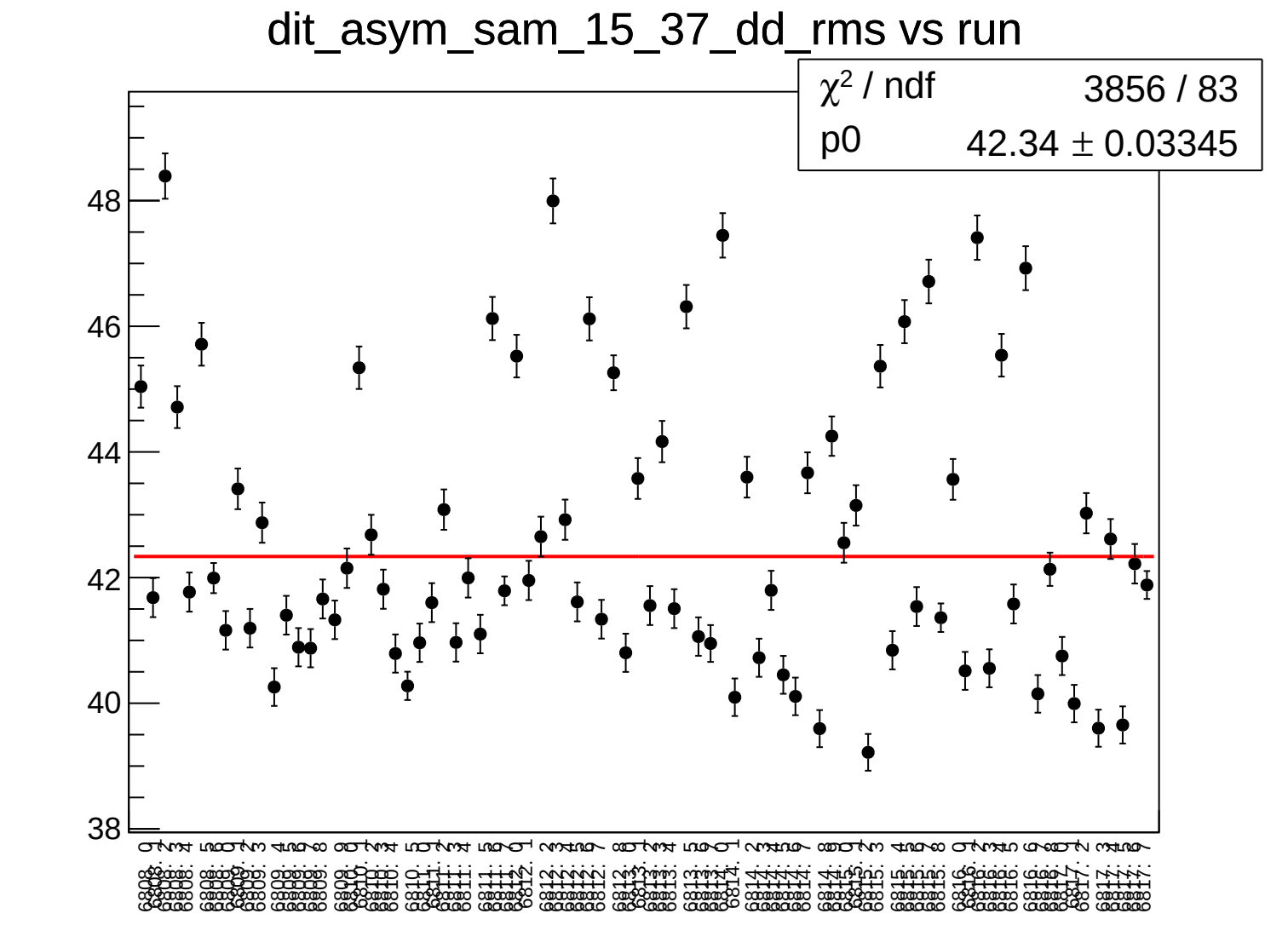

asym_sam_13_57_dd_mean vs run
χ² / ndf 92.03 / 83
p0 −154.6 ± 413.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −72.86
Std Dev 121.3
2
1
0
−1
−2
−3

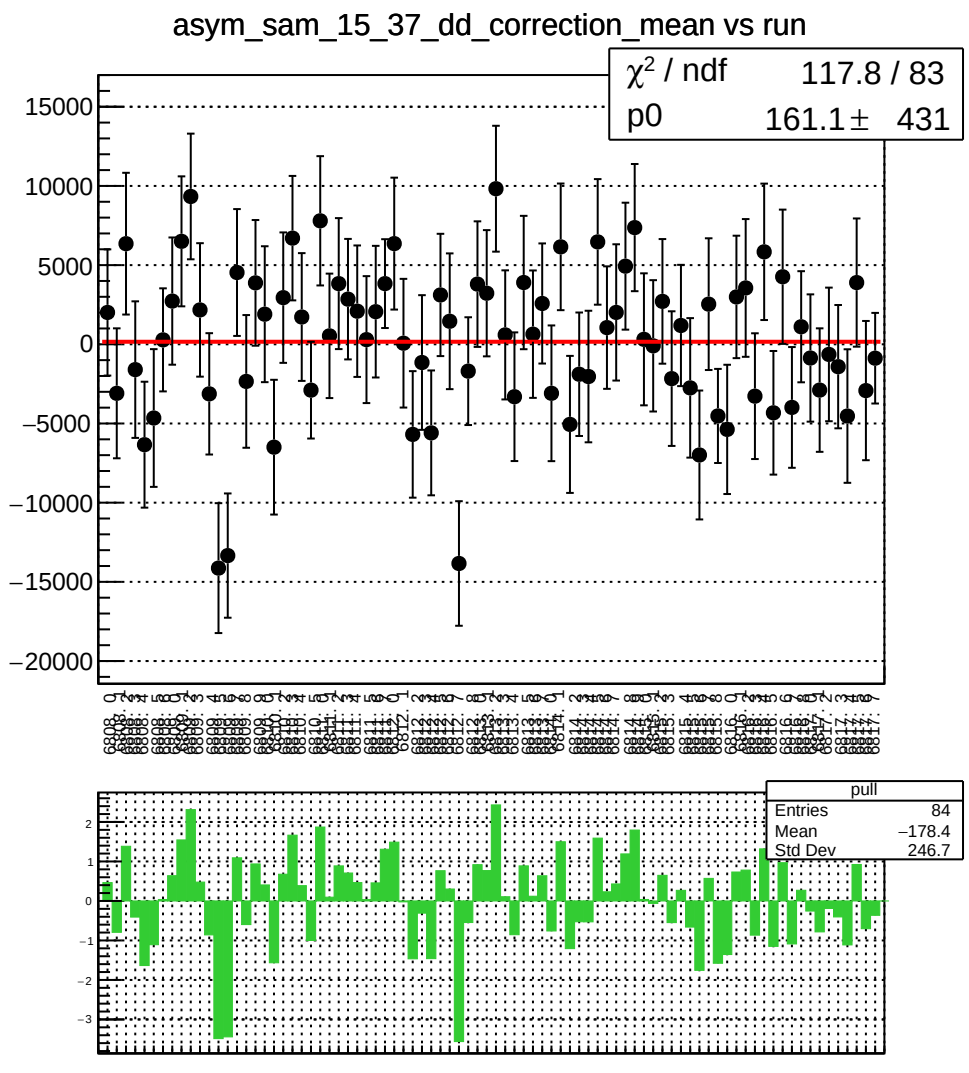

pull1D
Entries 84
Mean 0.005871
Std Dev 1.047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

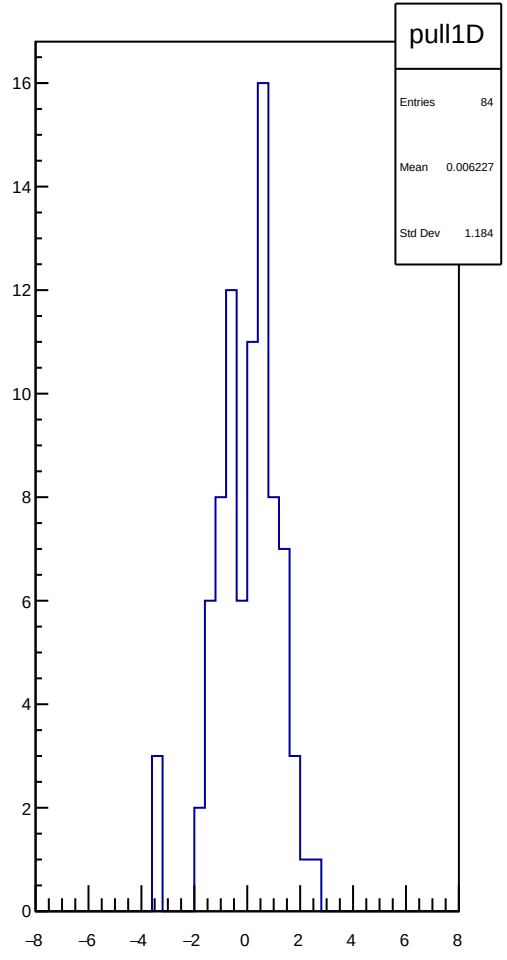

asym_sam_13_57_dd_rms vs run
χ² / ndf 1138 / 83
p0 370.5 ± 0.2925
400
390
380
370
360
350

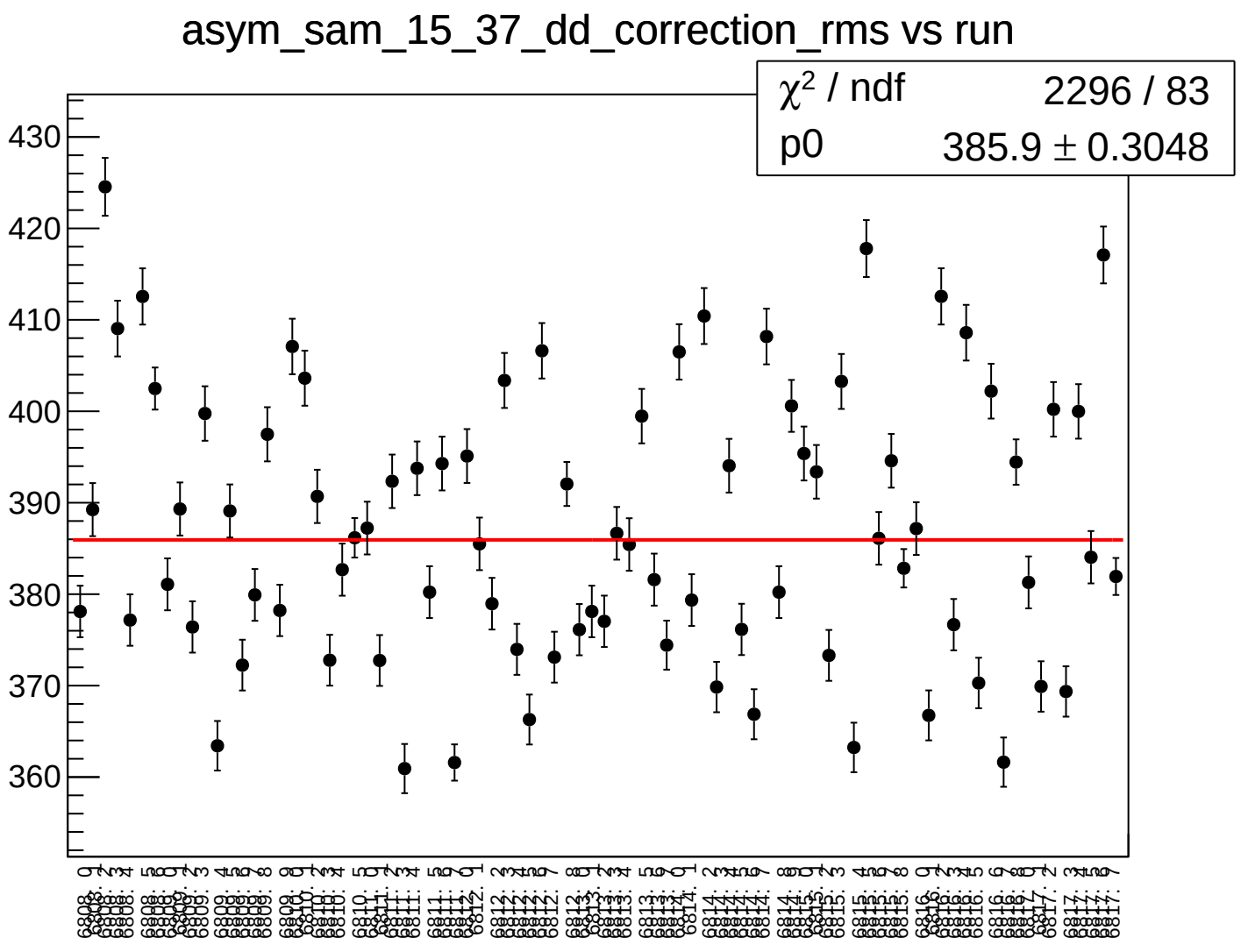

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 93.19 / 83
p0 −164.9 ± 47.3
pull
Entries 84
Mean 776.3
Std Dev 773.6

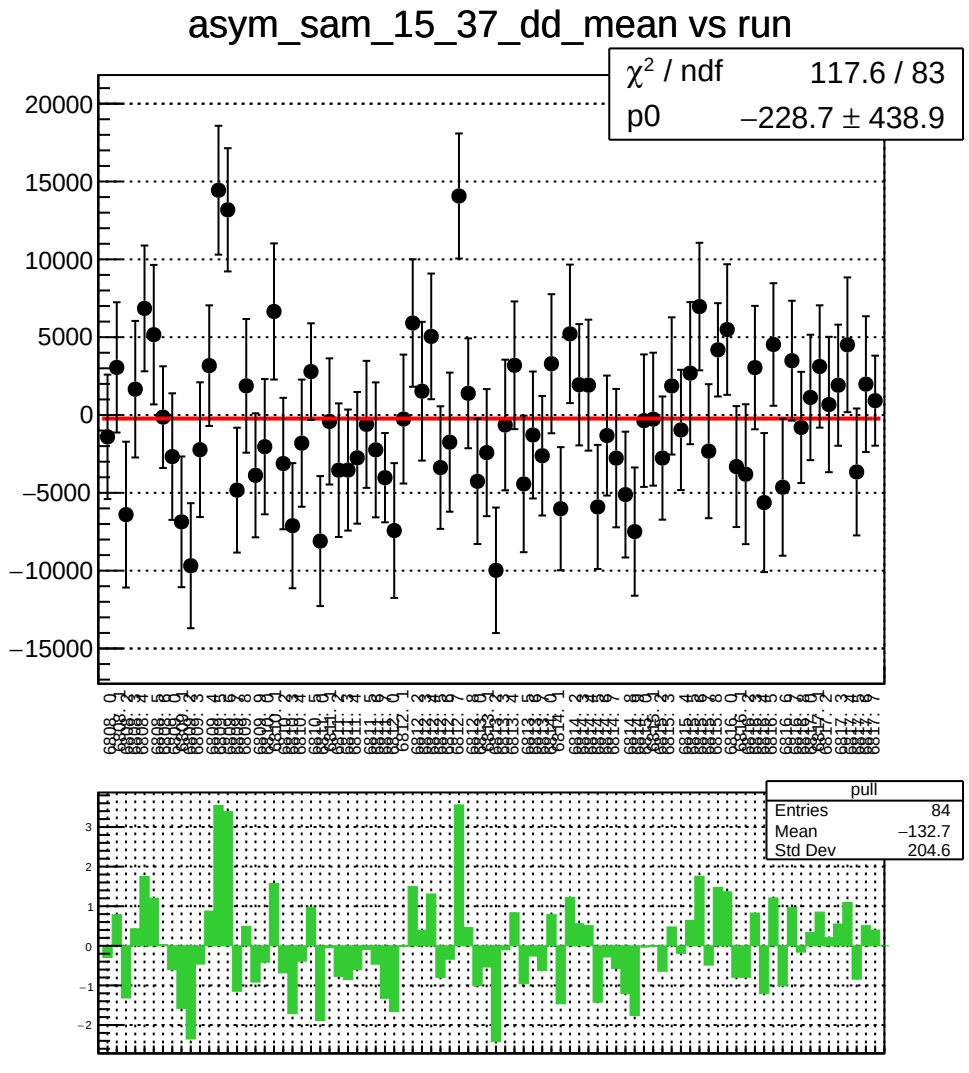

pull1D
Entries 84
Mean −0.002257
Std Dev 1.053

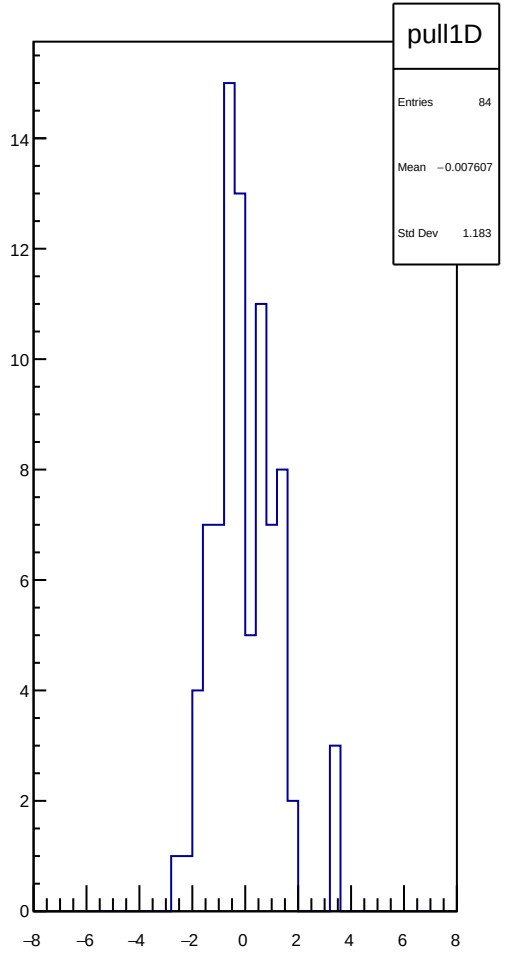

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3856 / 83
p0 42.34 ± 0.03345
48
46
44
42
40
38

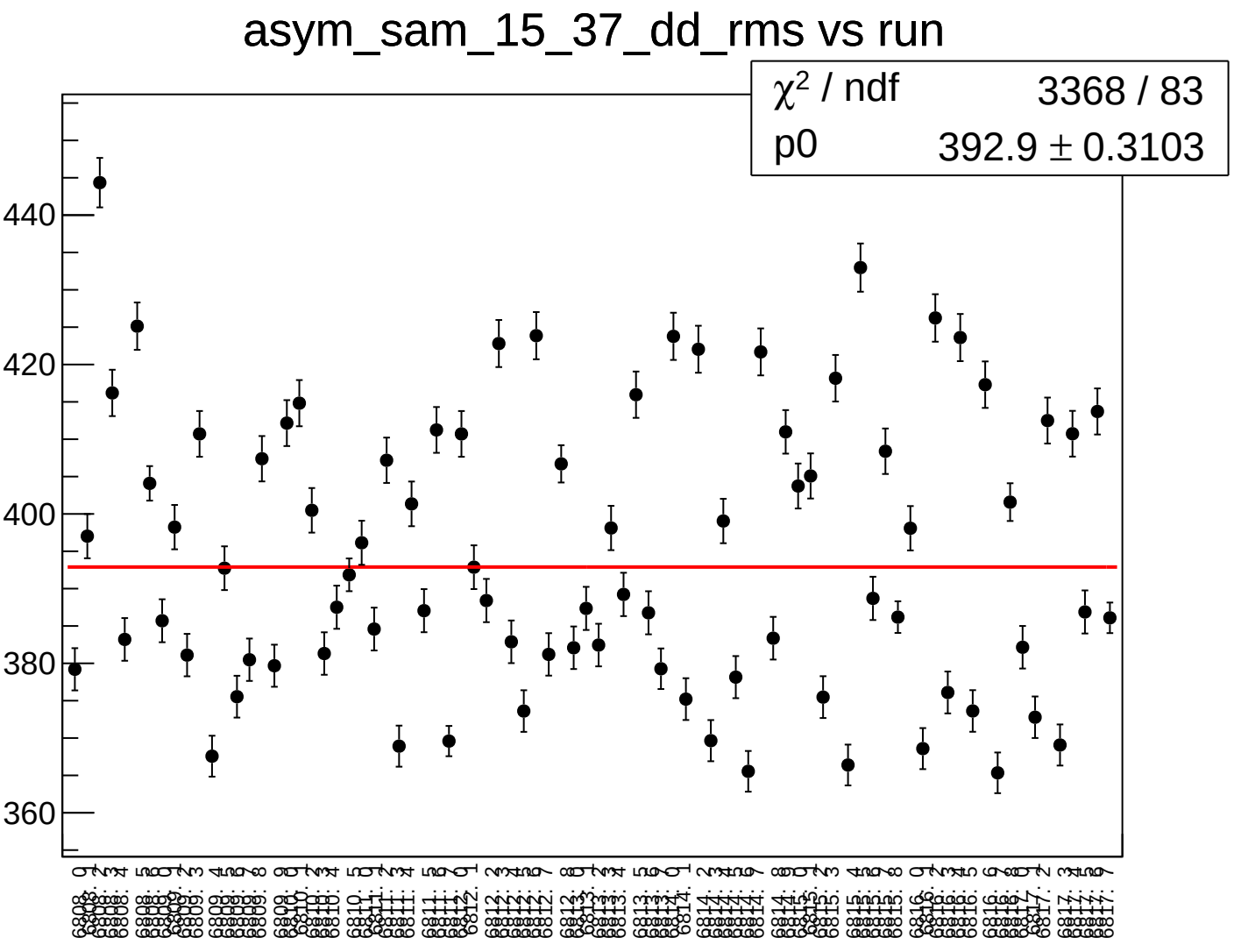

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 117.8 / 83
p0 161.1 ± 431
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 84
Mean −178.4
Std Dev 246.7
2
1
0
−1
−2
−3

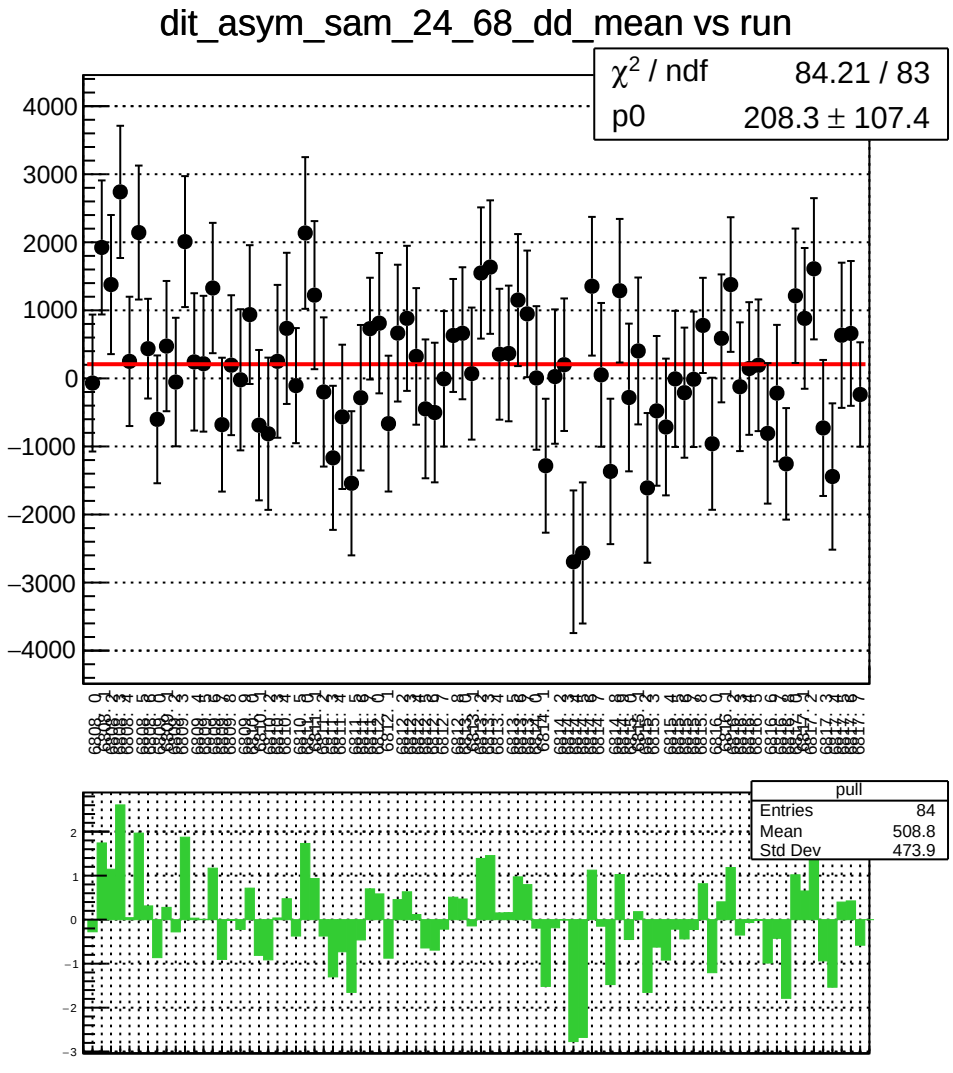

pull1D
Entries 84
Mean 0.006227
Std Dev 1.184
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

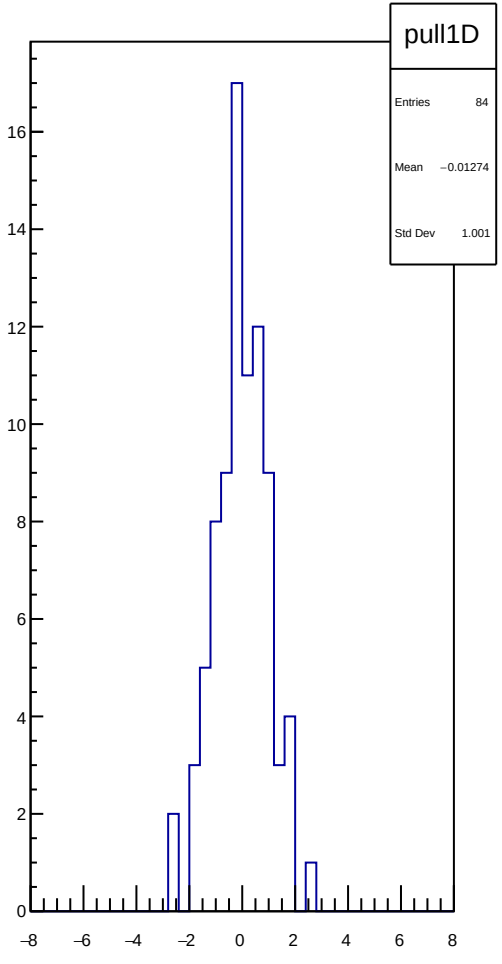

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2296 / 83
p0 385.9 ± 0.3048
430
420
410
400
390
380
370
360

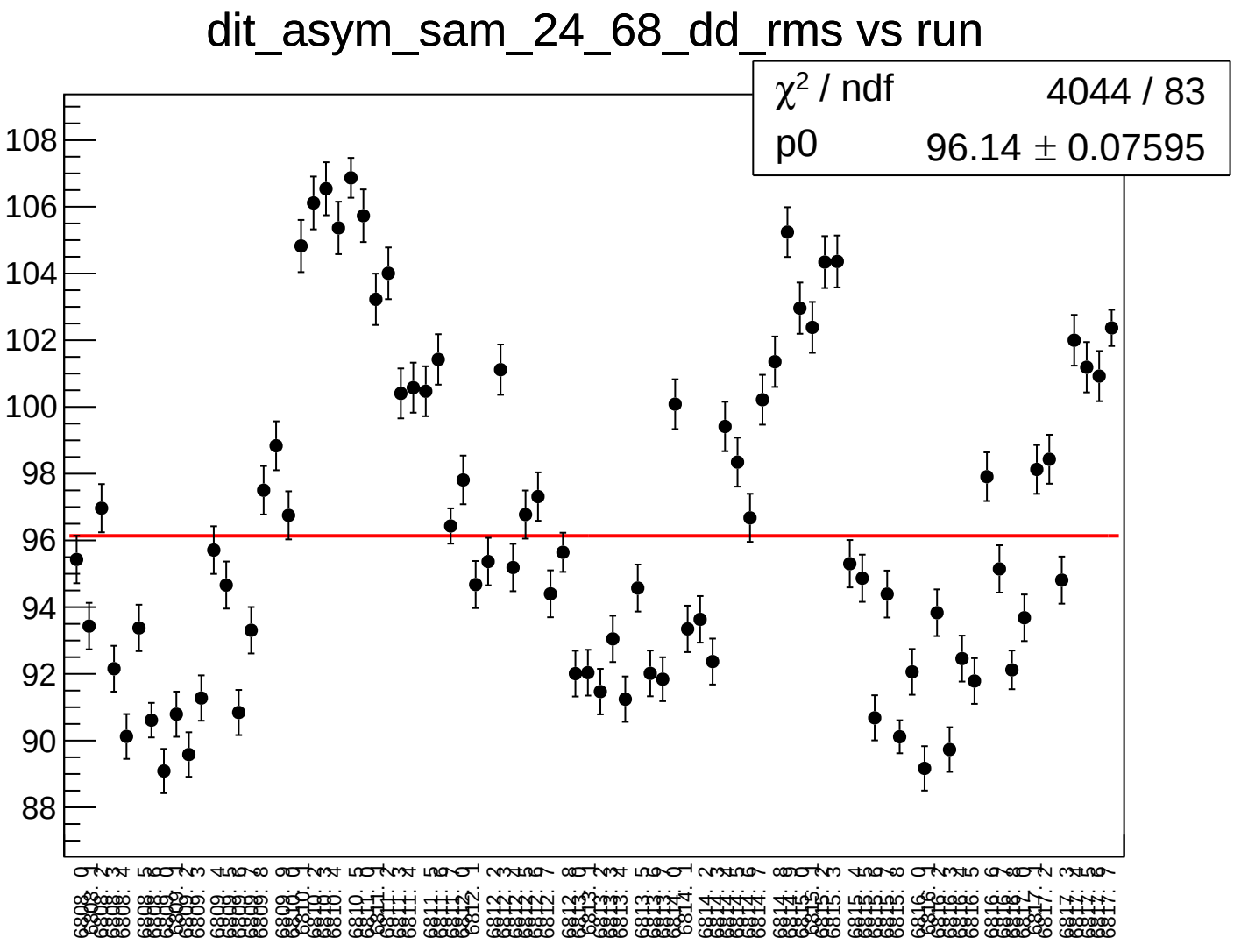

asym_sam_15_37_dd_mean vs run
χ² / ndf 117.6 / 83
p0 −228.7 ± 438.9
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −132.7
Std Dev 204.6
3
2
1
0
−1
−2

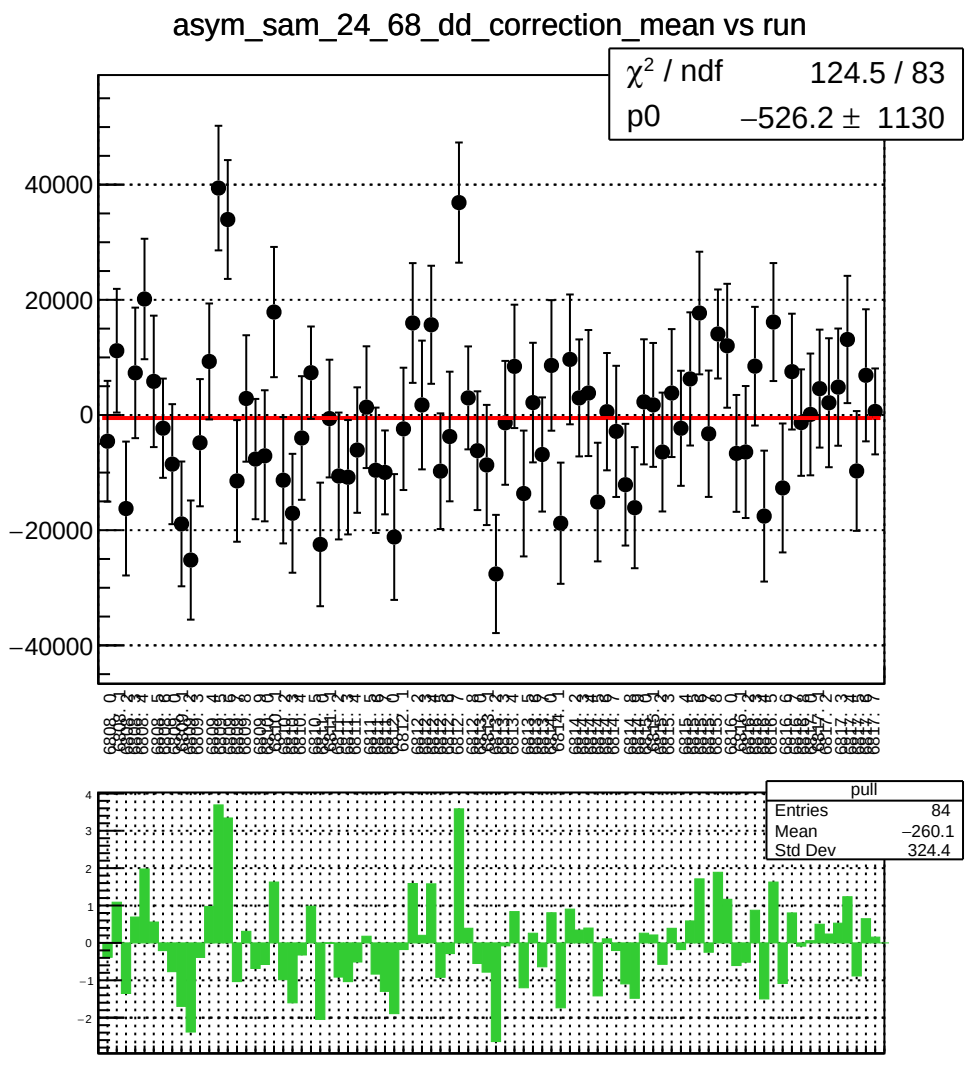

pull1D
Entries 84
Mean −0.007607
Std Dev 1.183
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

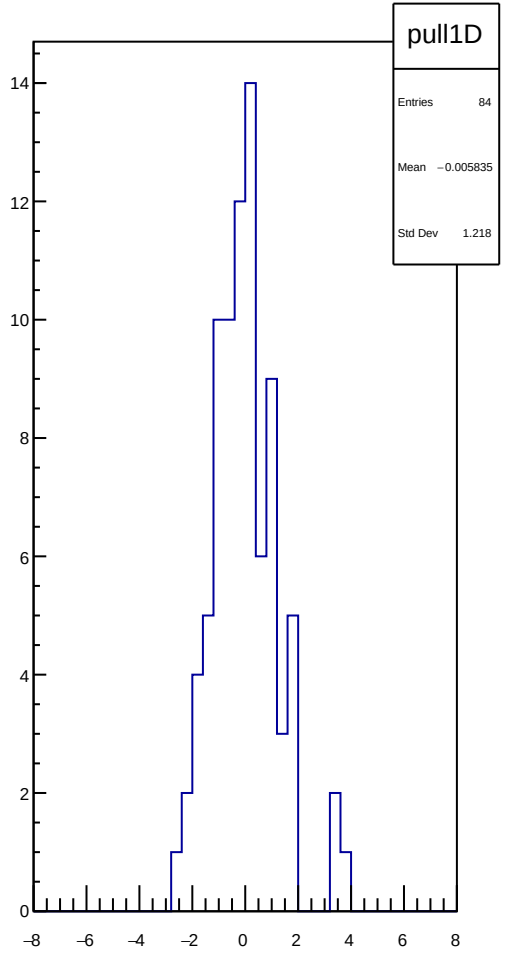

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 3368 / 83
p0 392.9 ± 0.3103
440
420
400
380
360

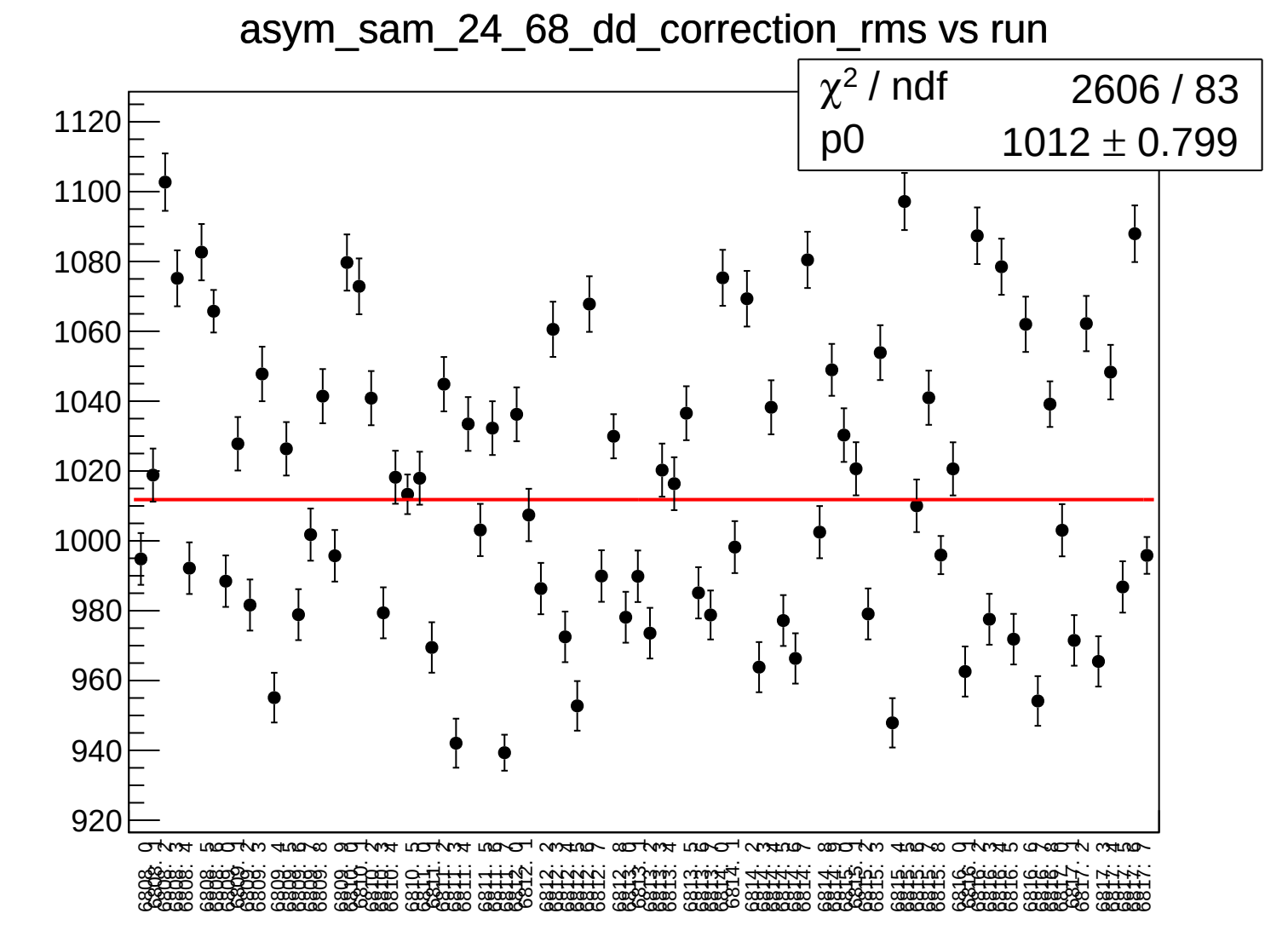

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 84.21 / 83
p0 208.3 ± 107.4
pull
Entries 84
Mean 508.8
Std Dev 473.9

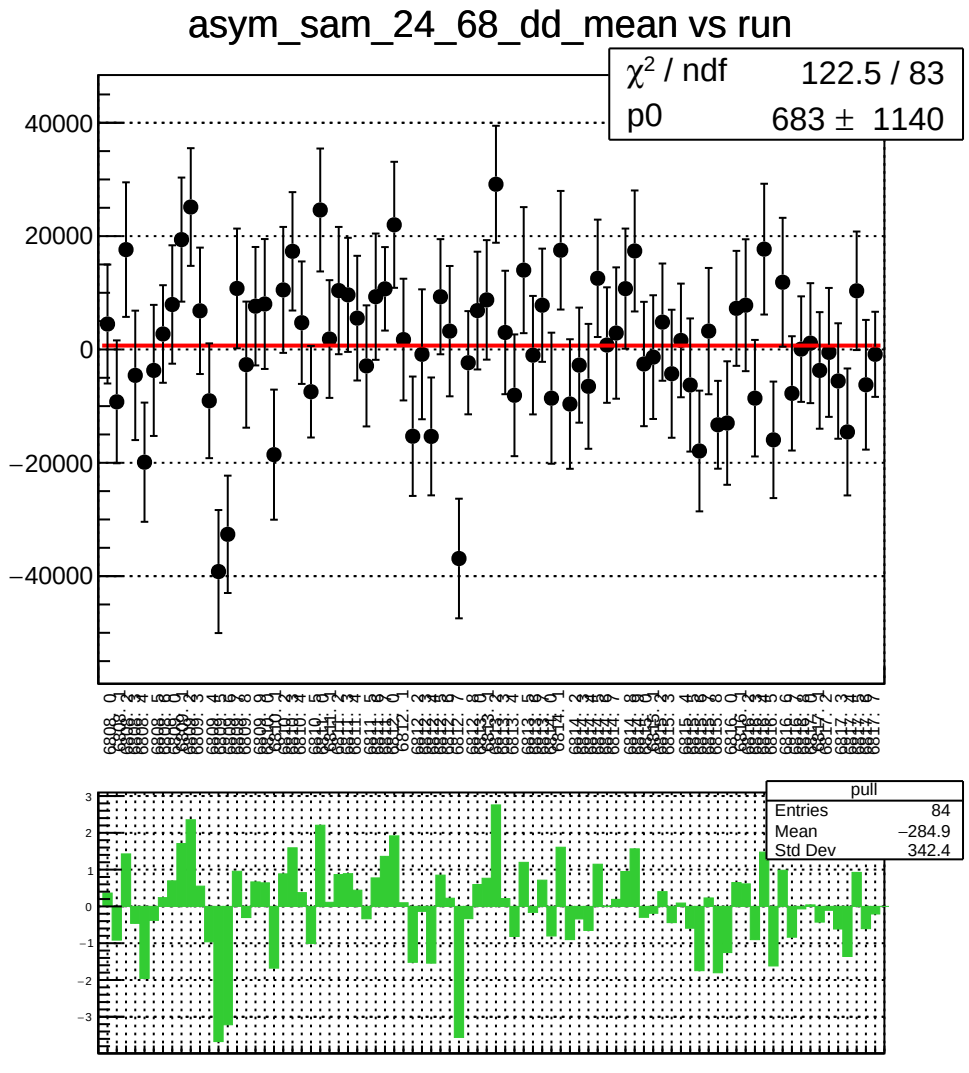

pull1D
Entries 84
Mean −0.01274
Std Dev 1.001

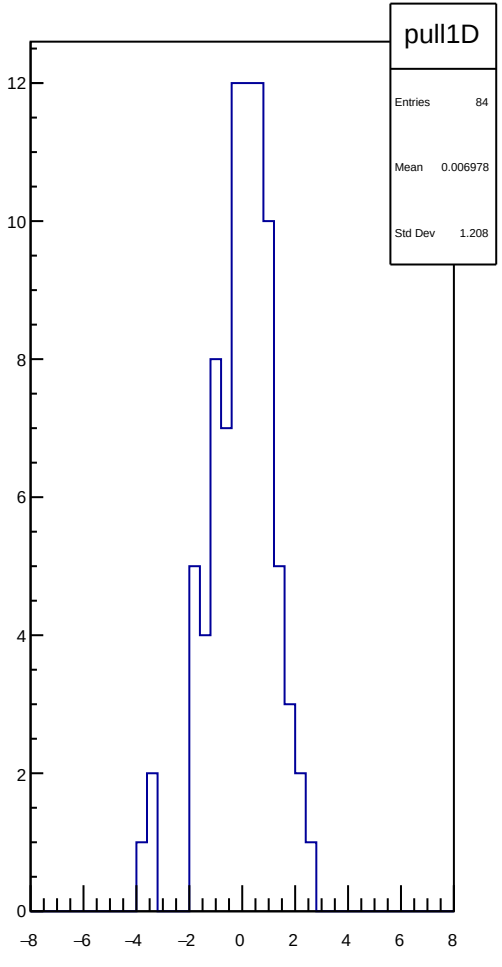

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4044 / 83
p0 96.14 ± 0.07595
108
106
104
102
100
98
96
94
92
90
88

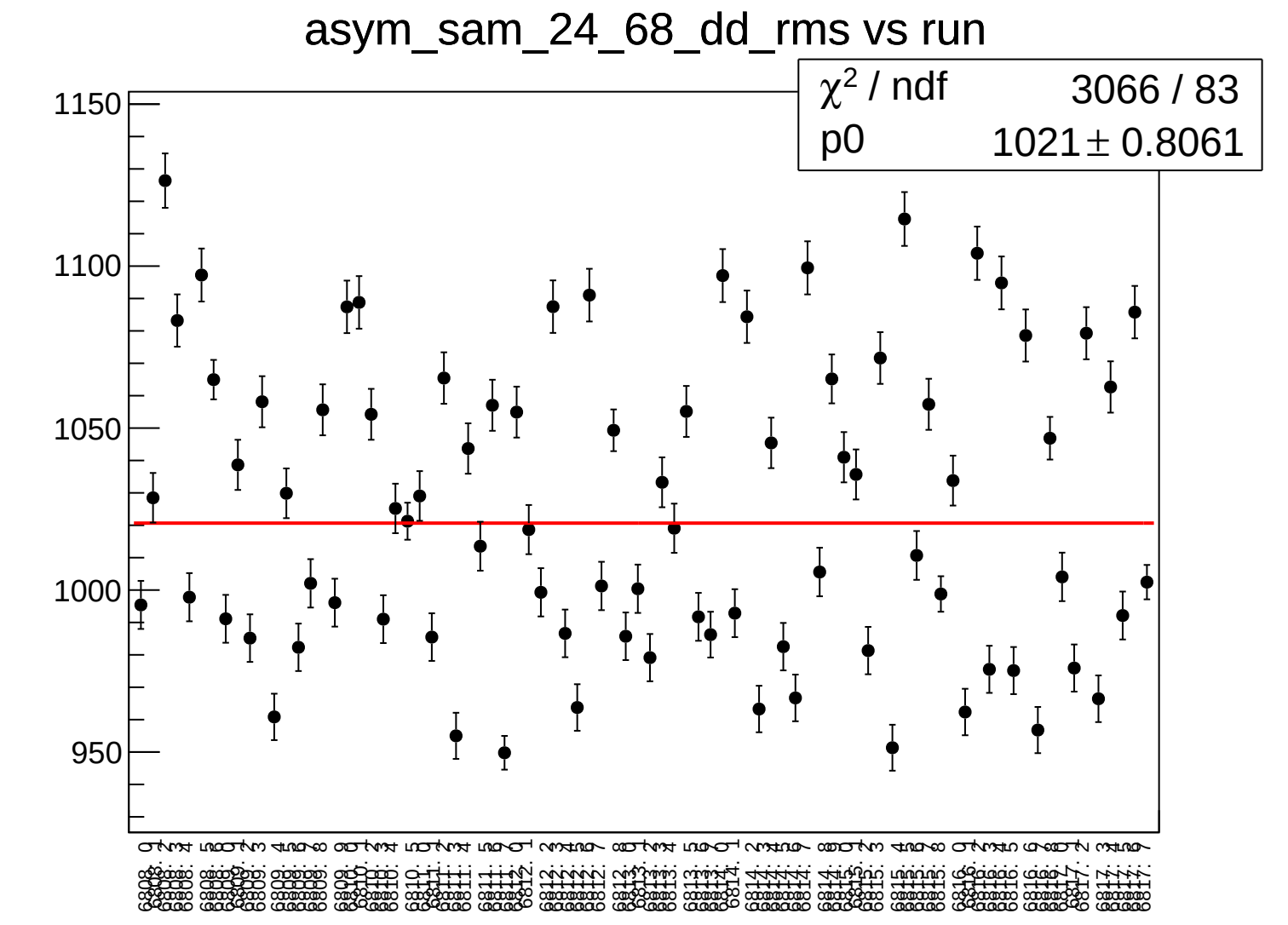

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 124.5 / 83
p0 −526.2 ± 1130
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −260.1
Std Dev 324.4
4
3
2
1
0
−1
−2

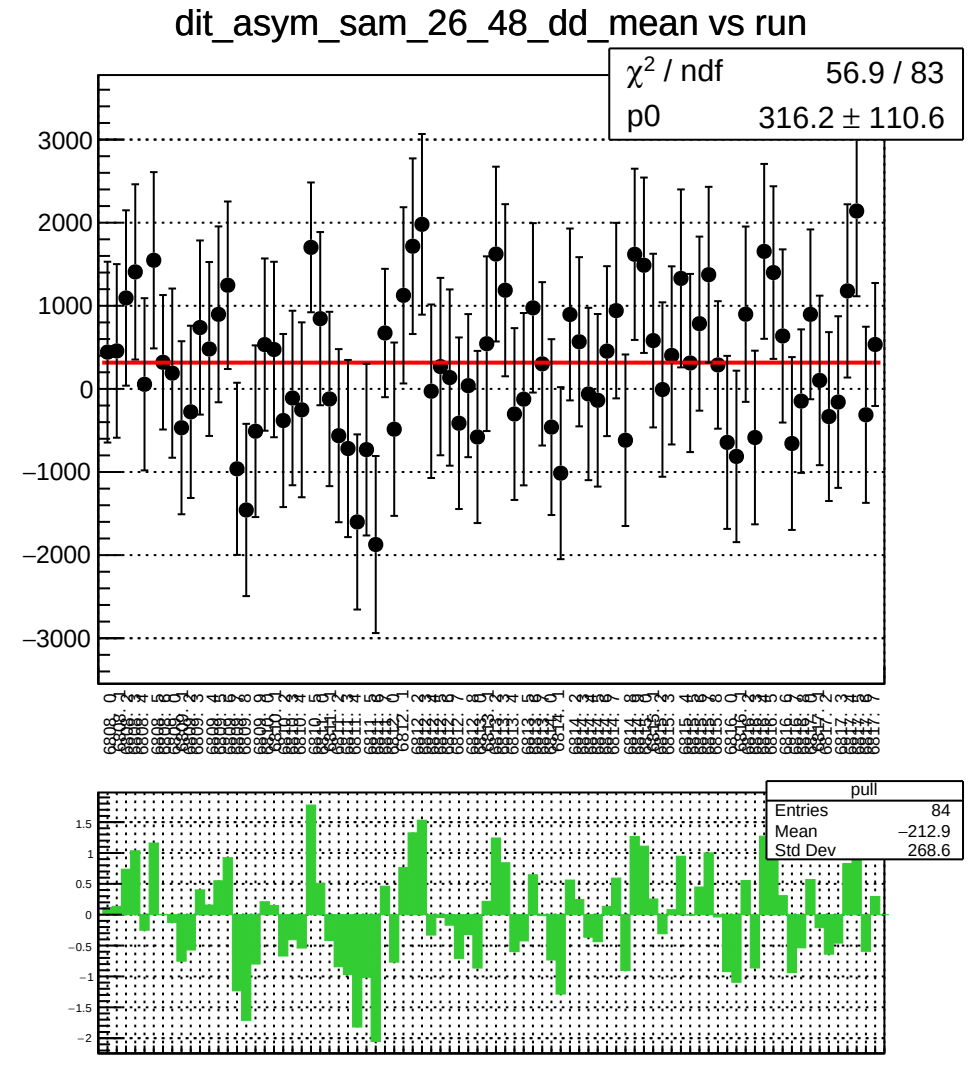

pull1D
Entries 84
Mean −0.005835
Std Dev 1.218
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

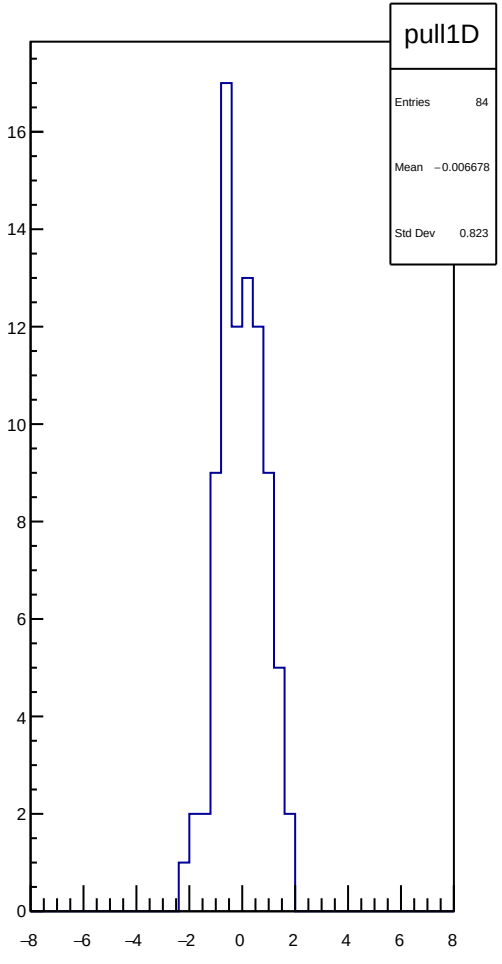

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 2606 / 83
p0 1012 ± 0.799
1120
1100
1080
1060
1040
1020
1000
980
960
940
920

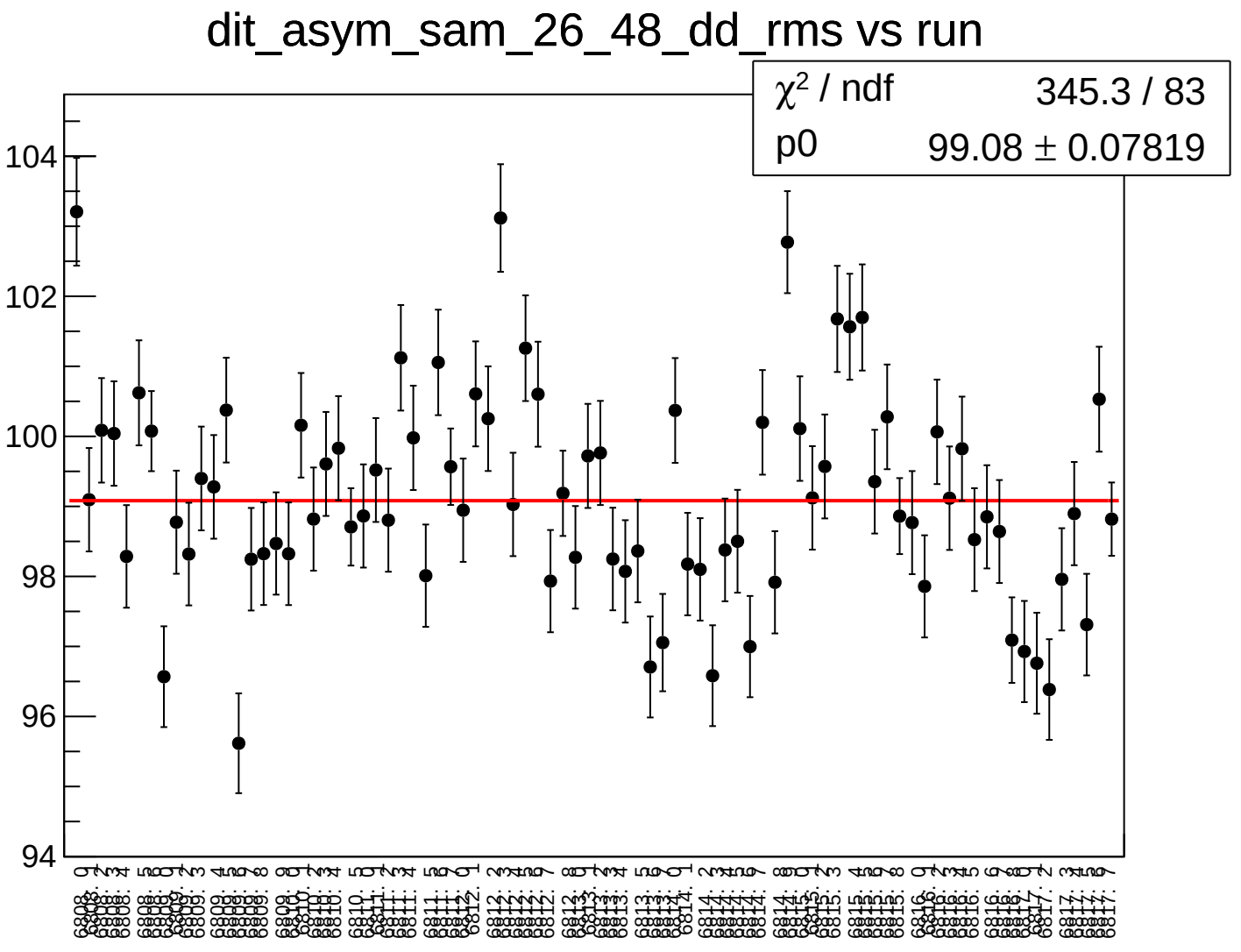

asym_sam_24_68_dd_mean vs run
χ² / ndf 122.5 / 83
p0 683 ± 1140
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −284.9
Std Dev 342.4
3
2
1
0
−1
−2
−3

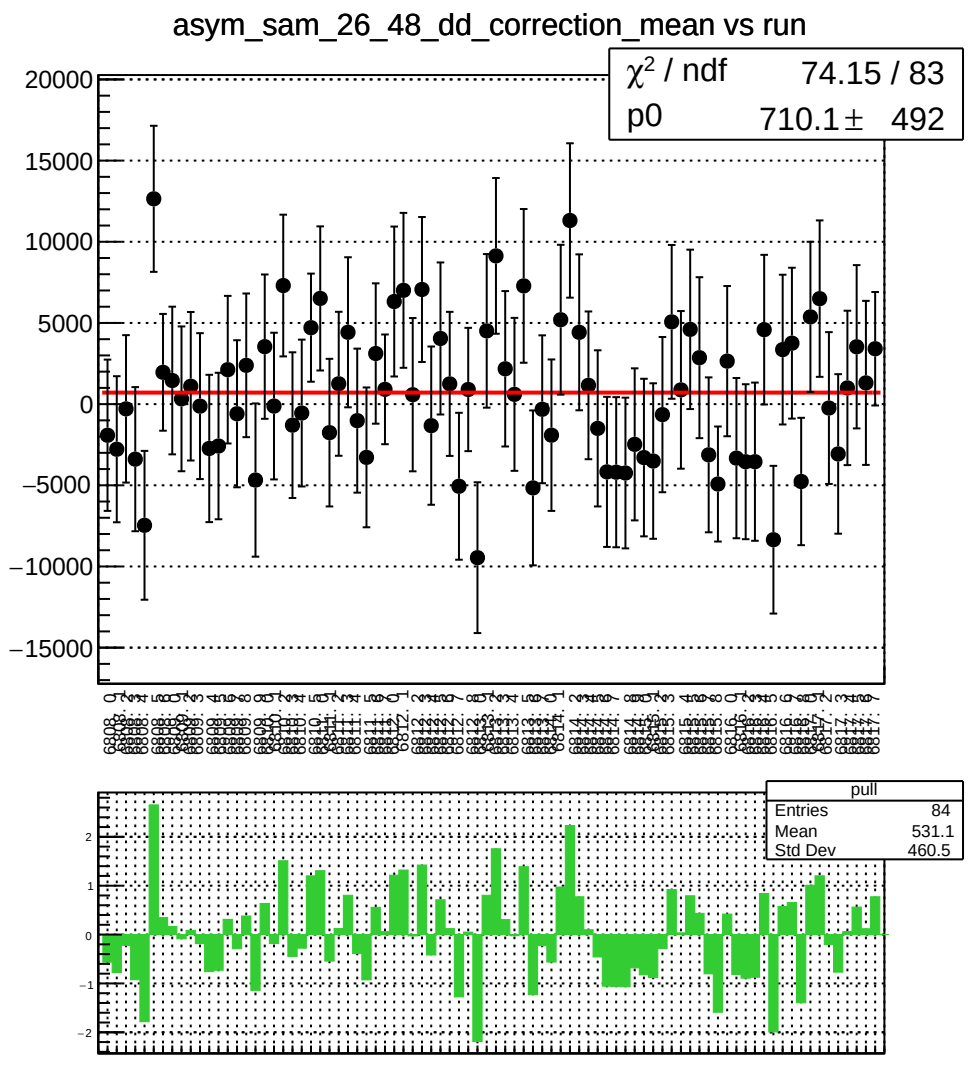

pull1D
Entries 84
Mean 0.006978
Std Dev 1.208
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

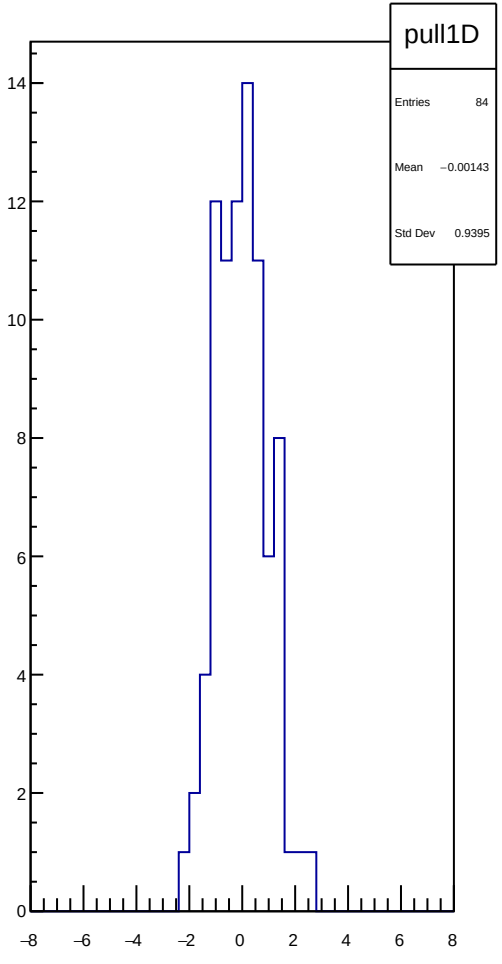

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3066 / 83
p0 1021 ± 0.8061
1150
1100
1050
1000
950

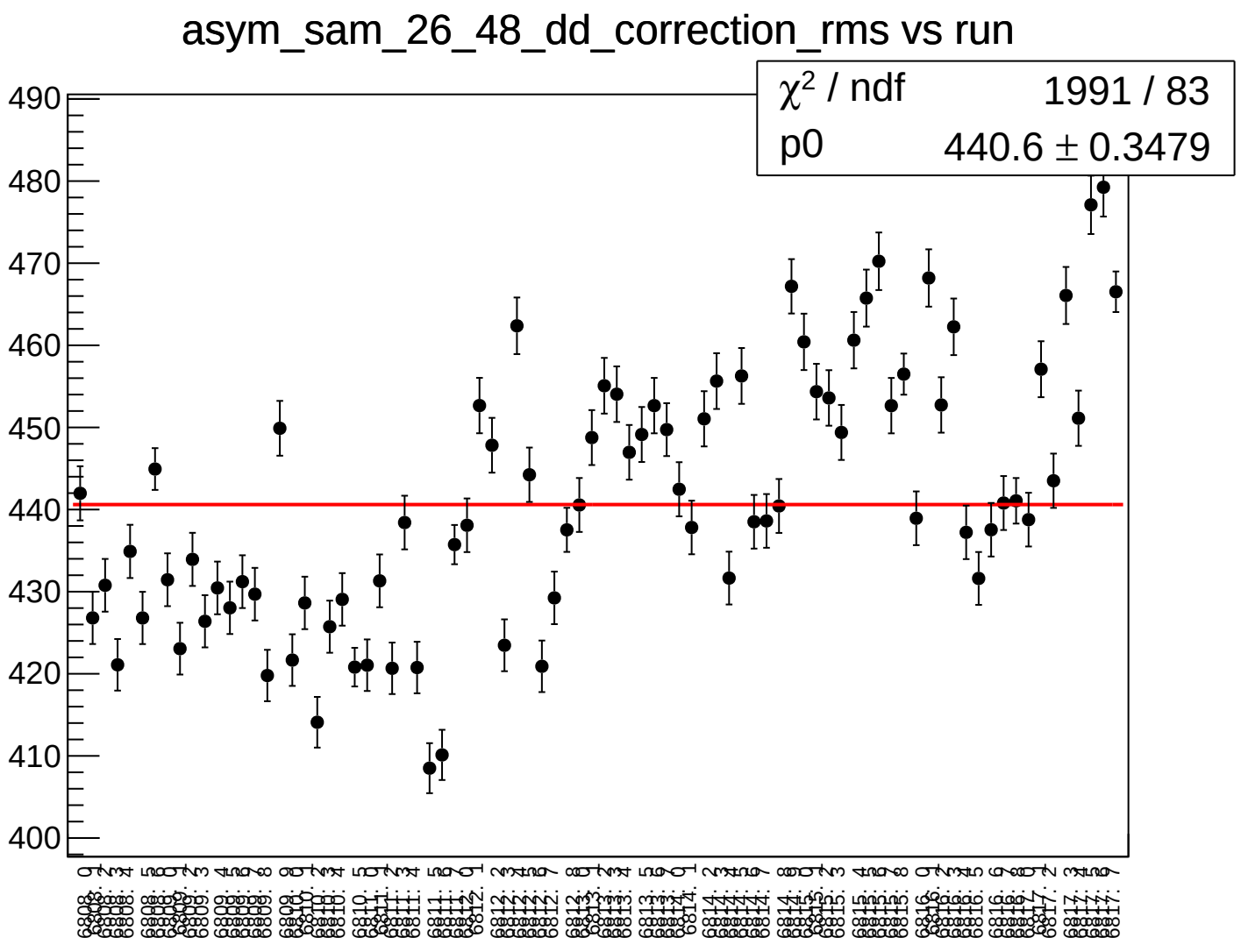

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 56.9 / 83
p0 316.2 ± 110.6
pull
Entries 84
Mean −212.9
Std Dev 268.6

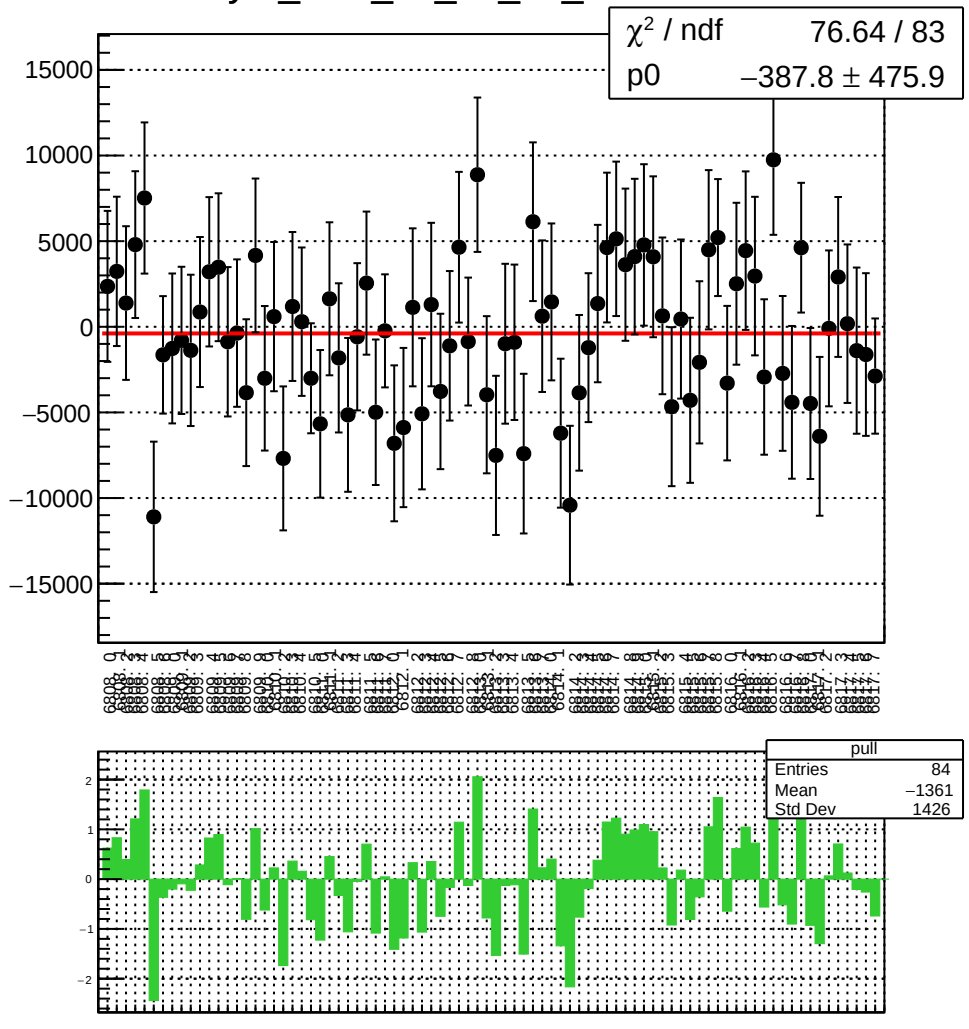

pull1D
Entries 84
Mean −0.006678
Std Dev 0.823

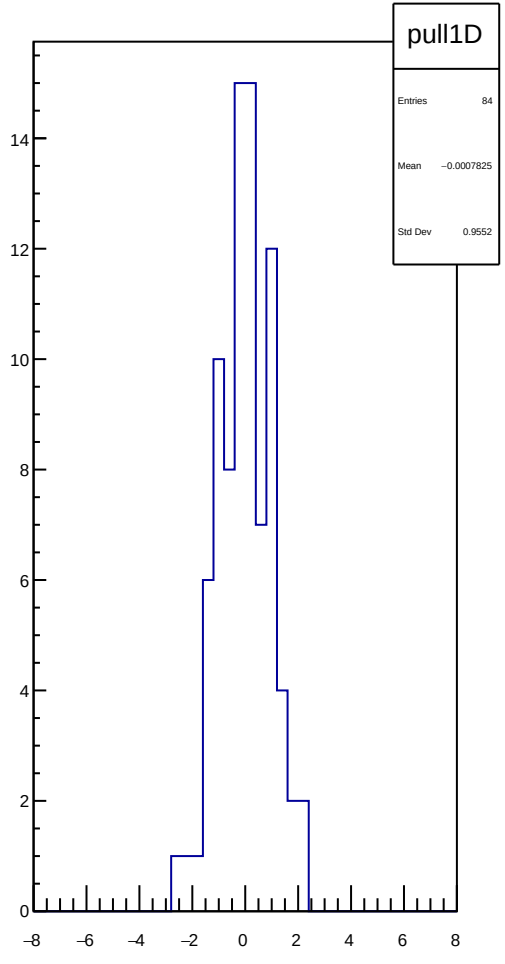

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 345.3 / 83
p0 99.08 ± 0.07819
104
102
100
98
96
94

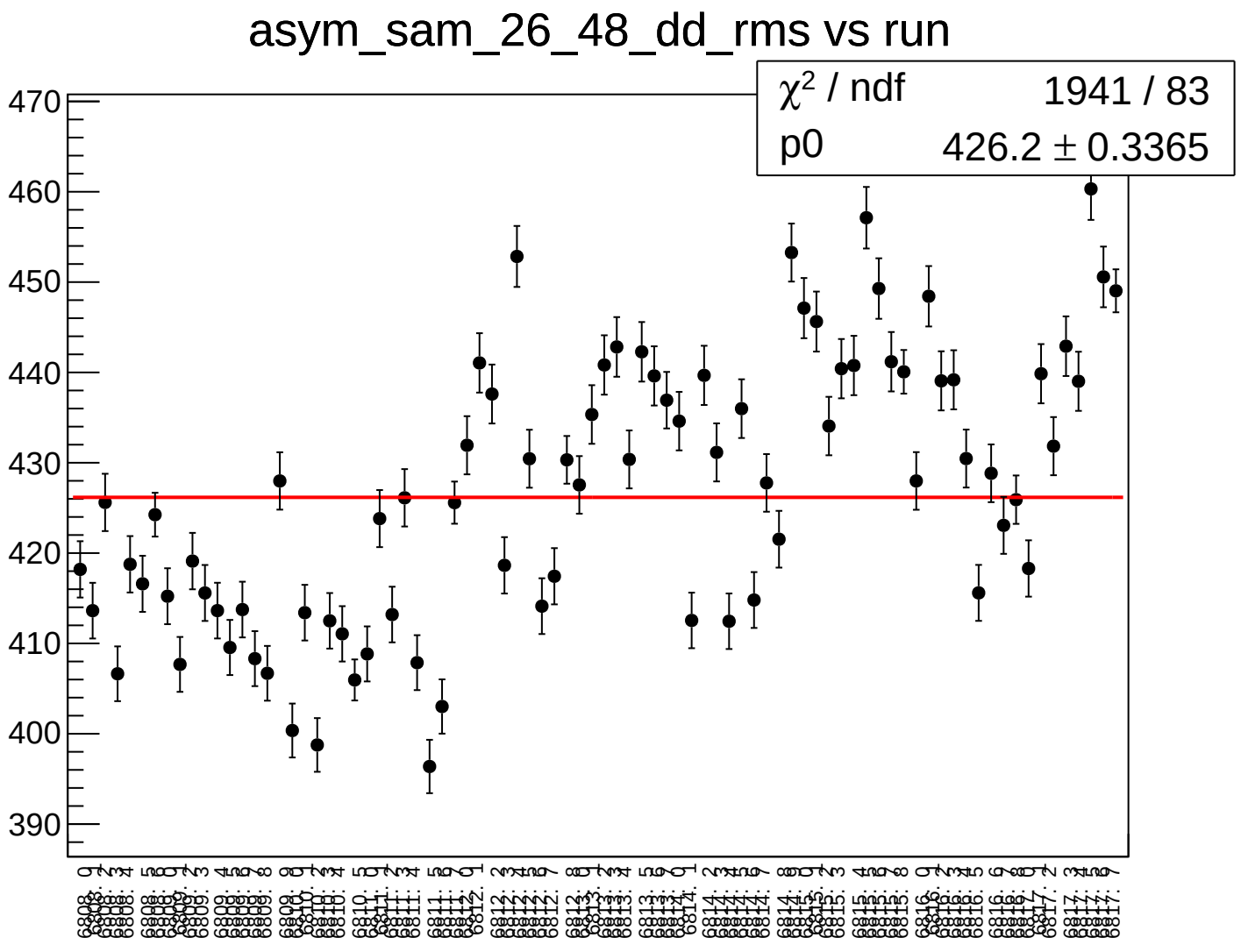

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 74.15 / 83
p0 710.1 ± 492
pull
Entries 84
Mean 531.1
Std Dev 460.5

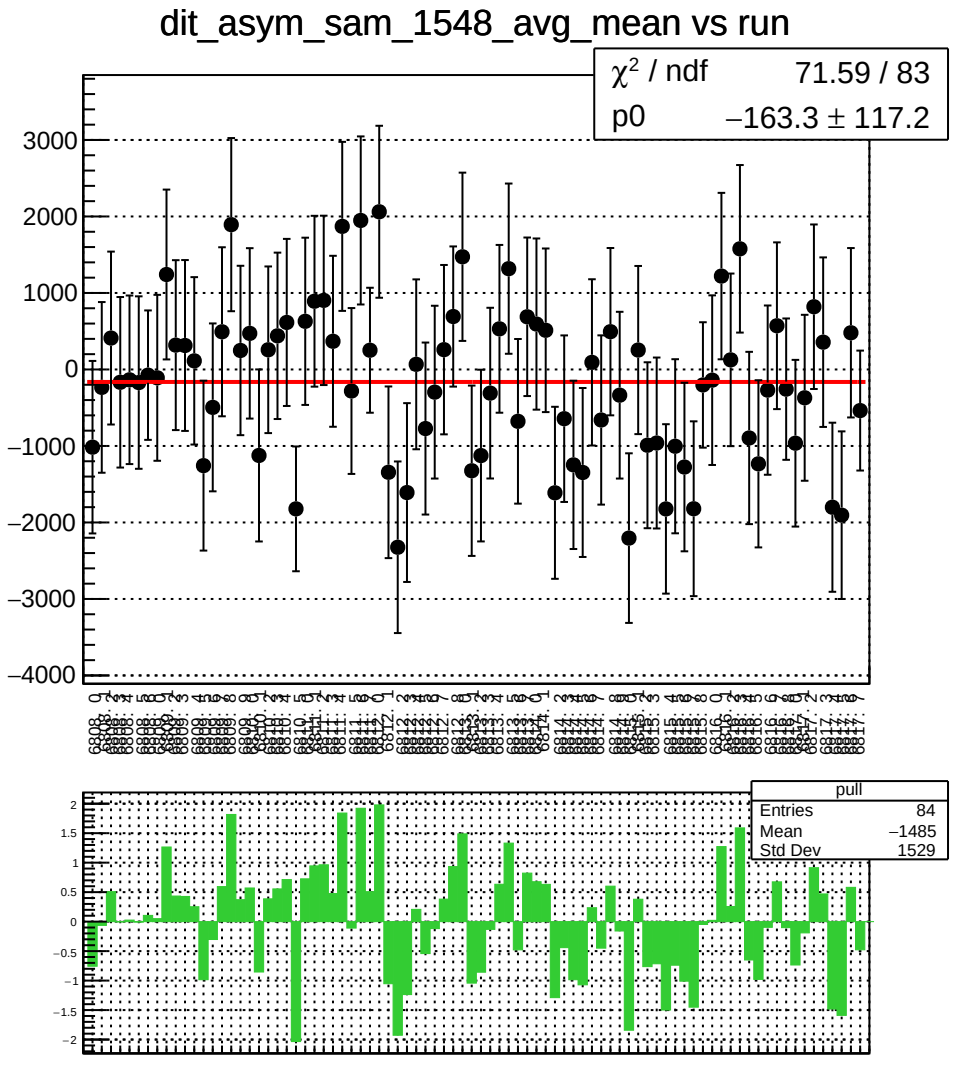

pull1D
Entries 84
Mean −0.00143
Std Dev 0.9395

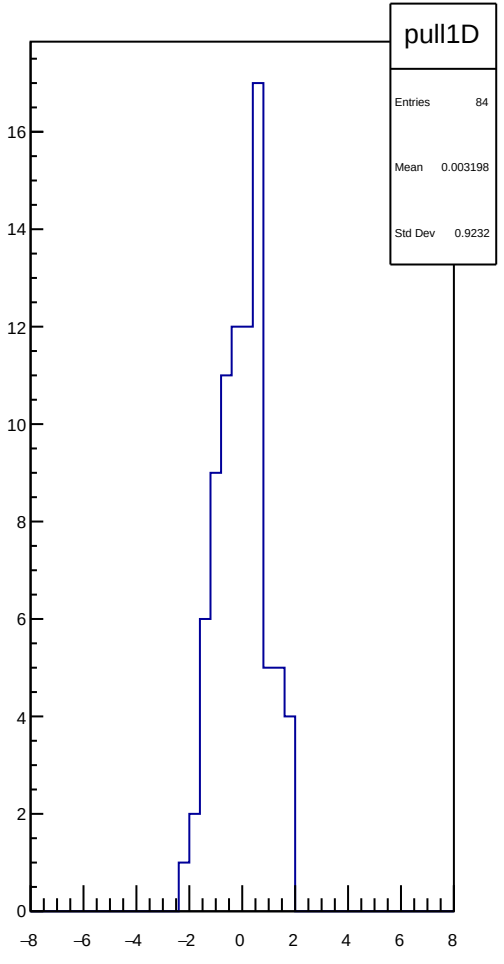

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1991 / 83
p0 440.6 ± 0.3479
490
480
470
460
450
440
430
420
410
400

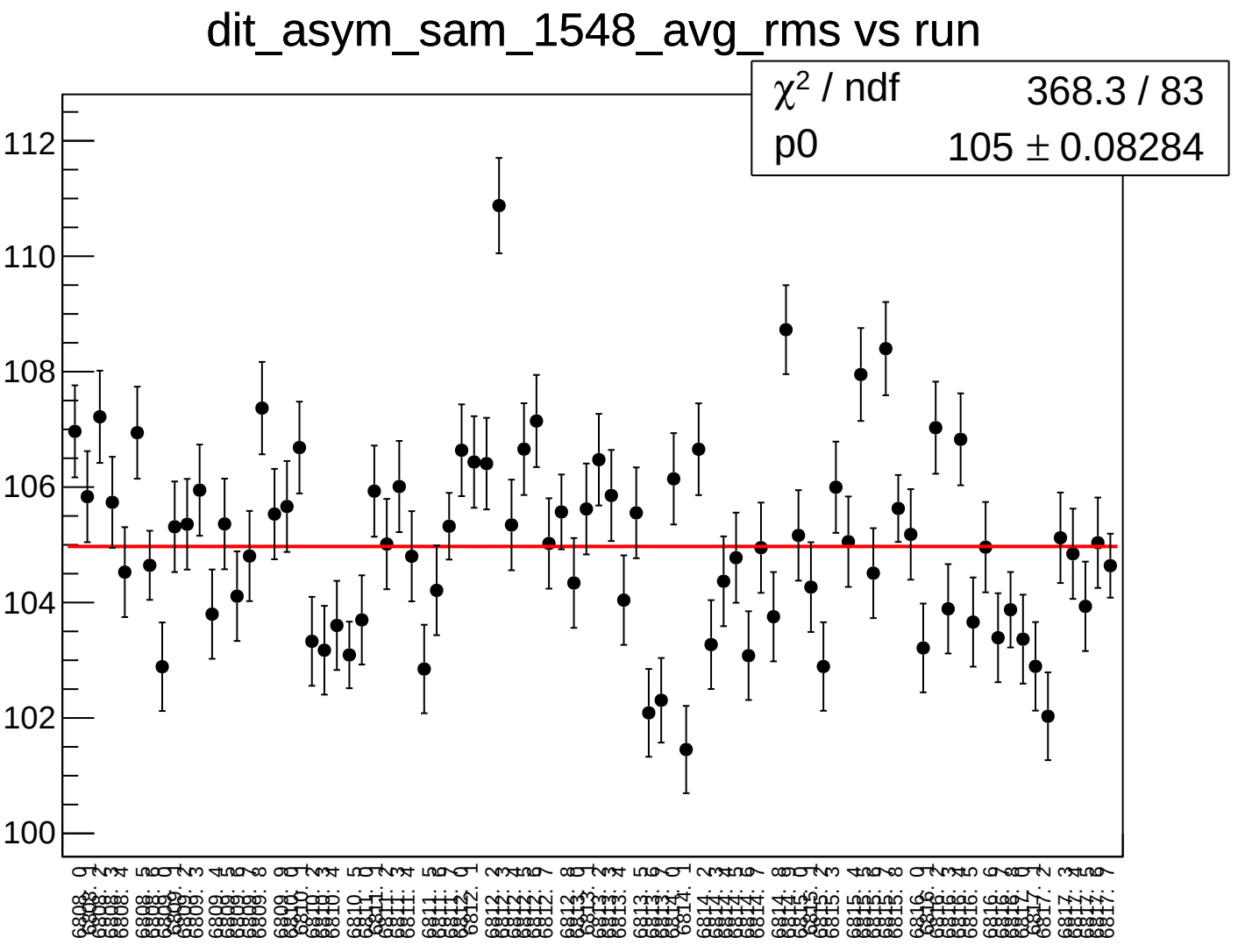

asym_sam_26_48_dd_mean vs run
χ² / ndf 76.64 / 83
p0 −387.8 ± 475.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −1361
Std Dev 1426
2
1
0
−1
−2

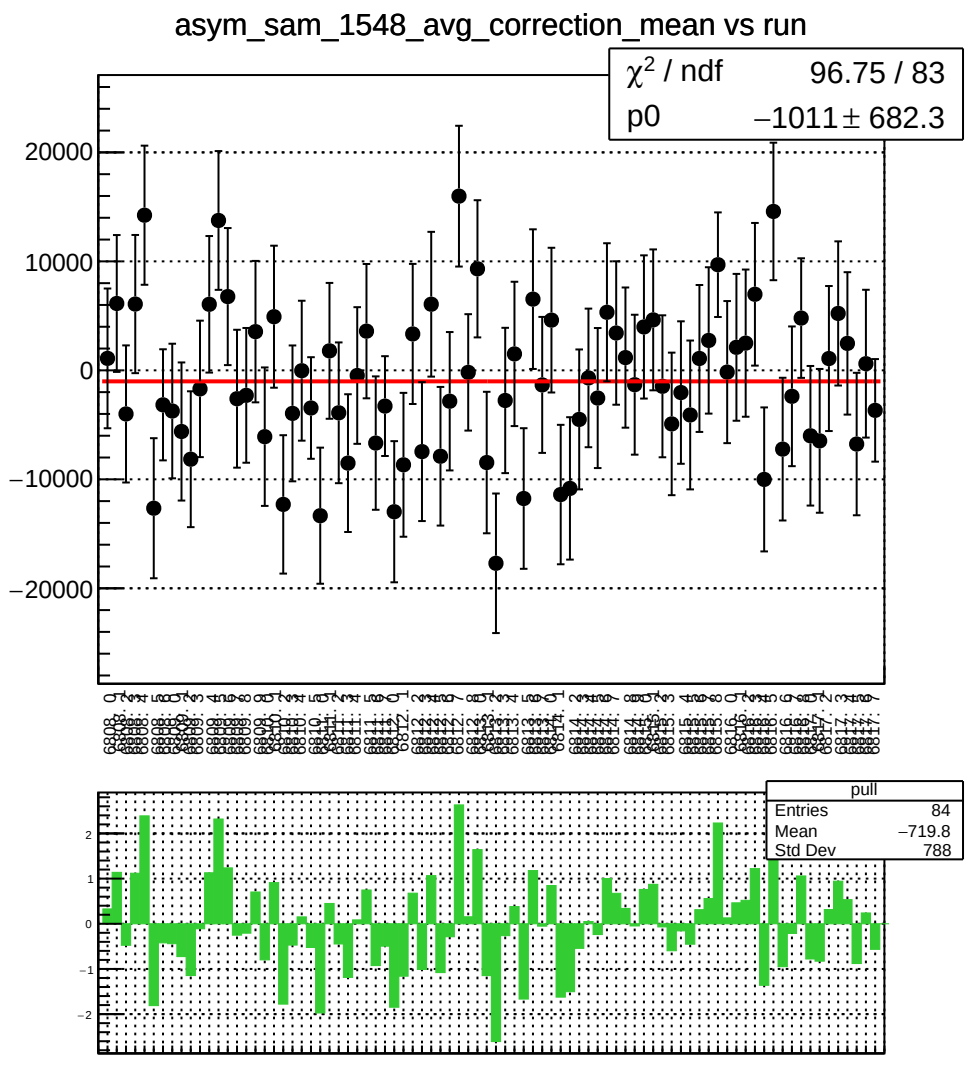

pull1D
Entries 84
Mean −0.0007825
Std Dev 0.9552
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

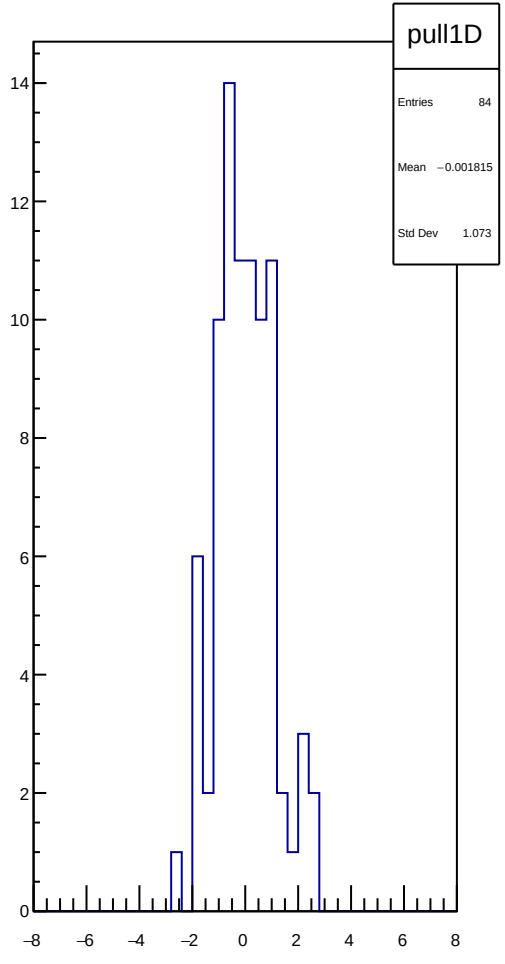

asym_sam_26_48_dd_rms vs run
χ² / ndf 1941 / 83
p0 426.2 ± 0.3365
470
460
450
440
430
420
410
400
390

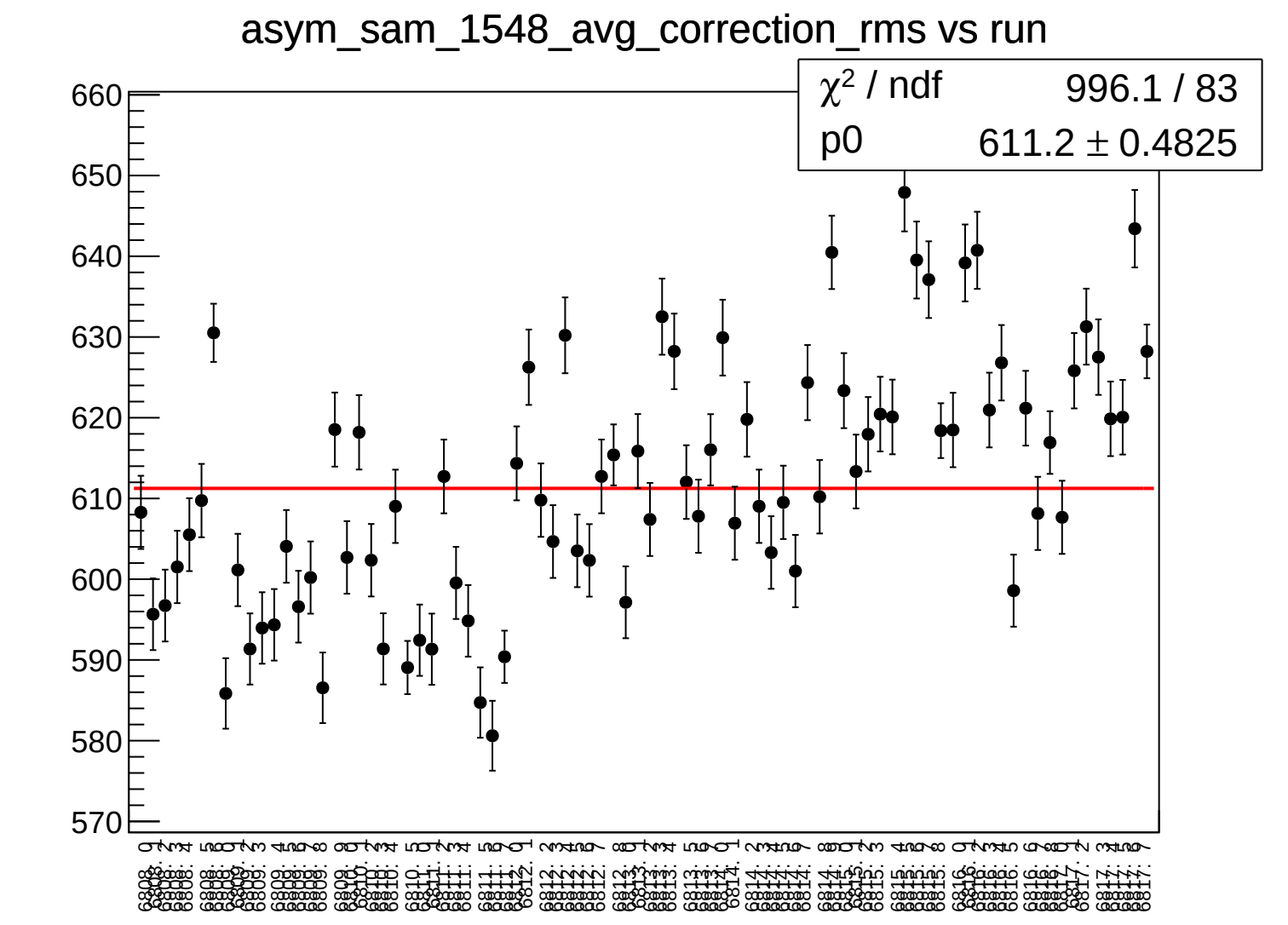

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 71.59 / 83
p0 −163.3 ± 117.2
pull
Entries 84
Mean −1485
Std Dev 1529

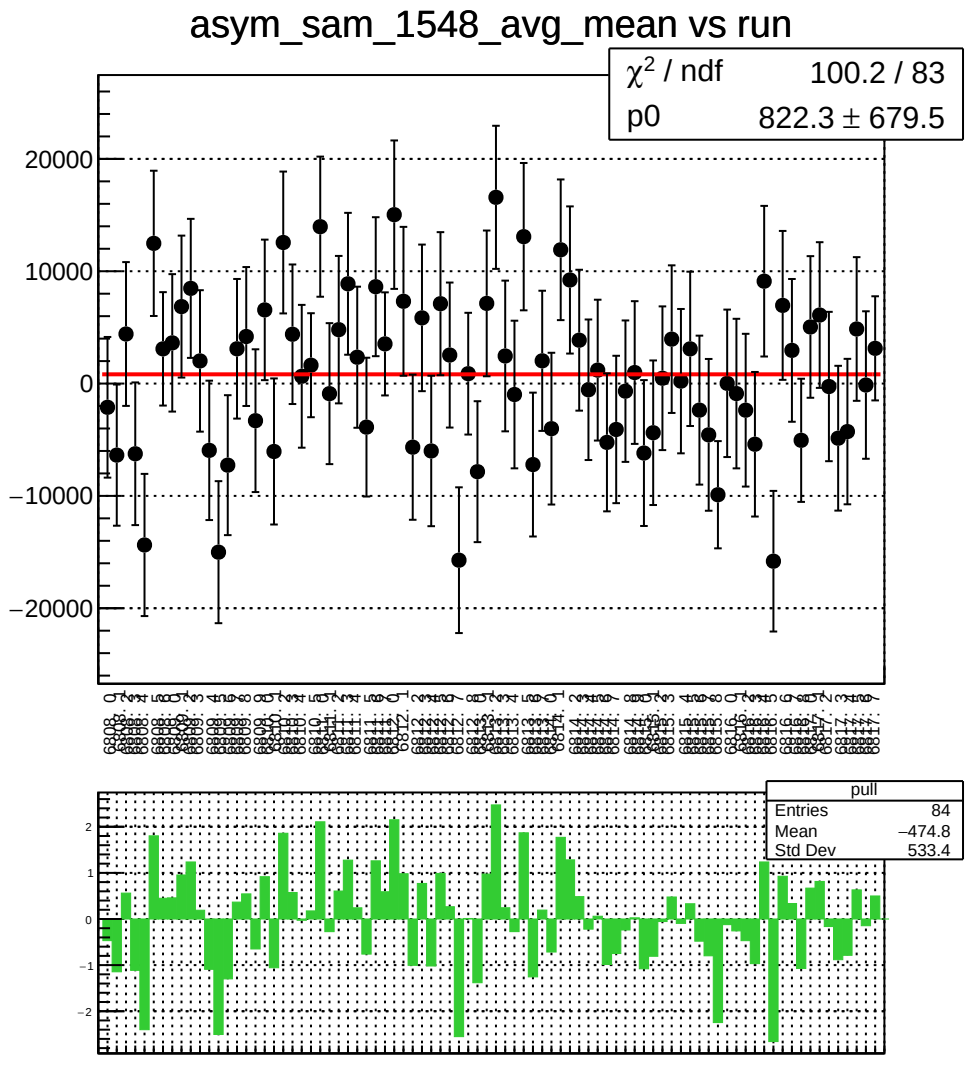

pull1D
Entries 84
Mean 0.003198
Std Dev 0.9232

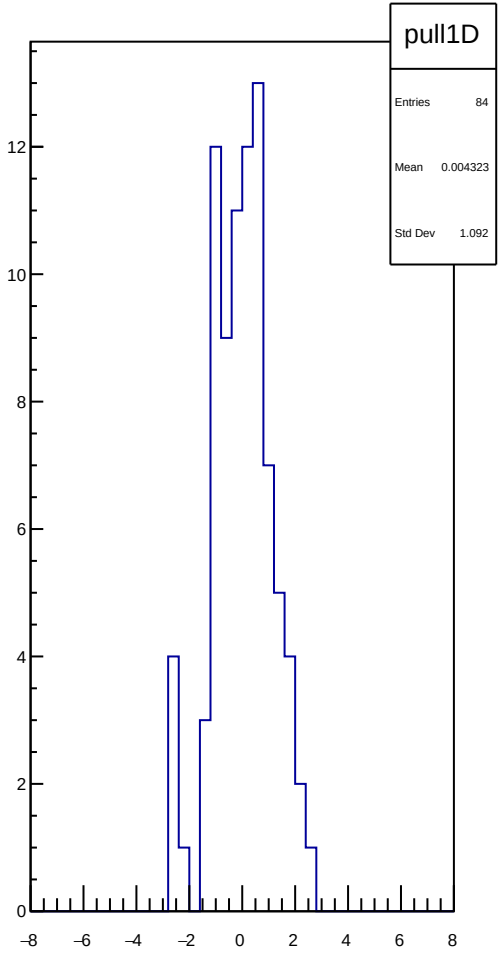

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 368.3 / 83
p0 105 ± 0.08284
112
110
108
106
104
102
100

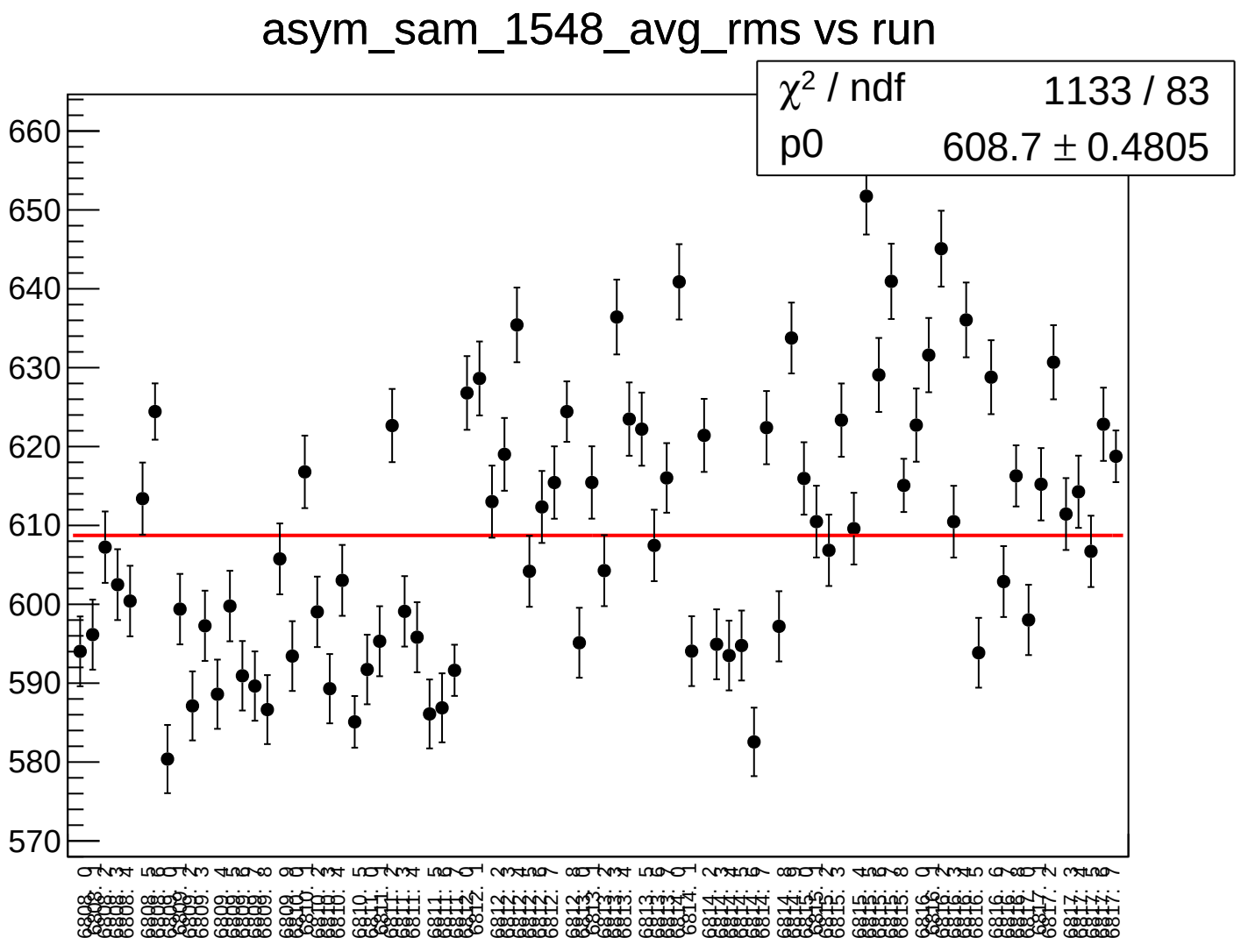

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 96.75 / 83
p0 −1011 ± 682.3
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −719.8
Std Dev 788
2
1
0
−1
−2

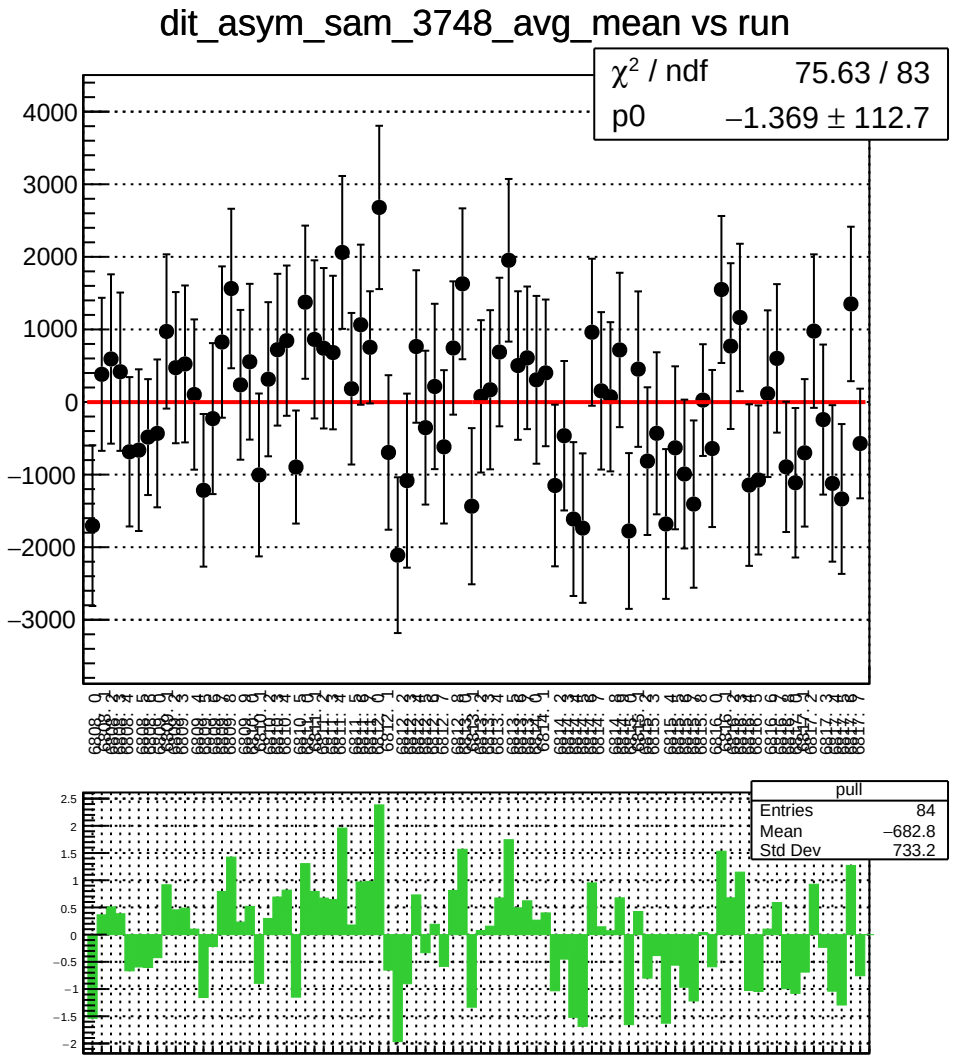

pull1D
Entries 84
Mean −0.001815
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

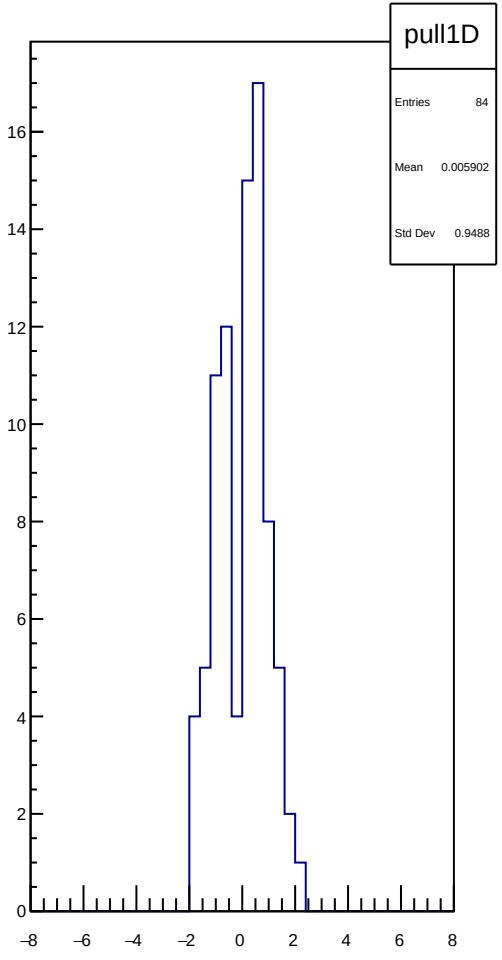

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 996.1 / 83
p0 611.2 ± 0.4825
660
650
640
630
620
610
600
590
580
570

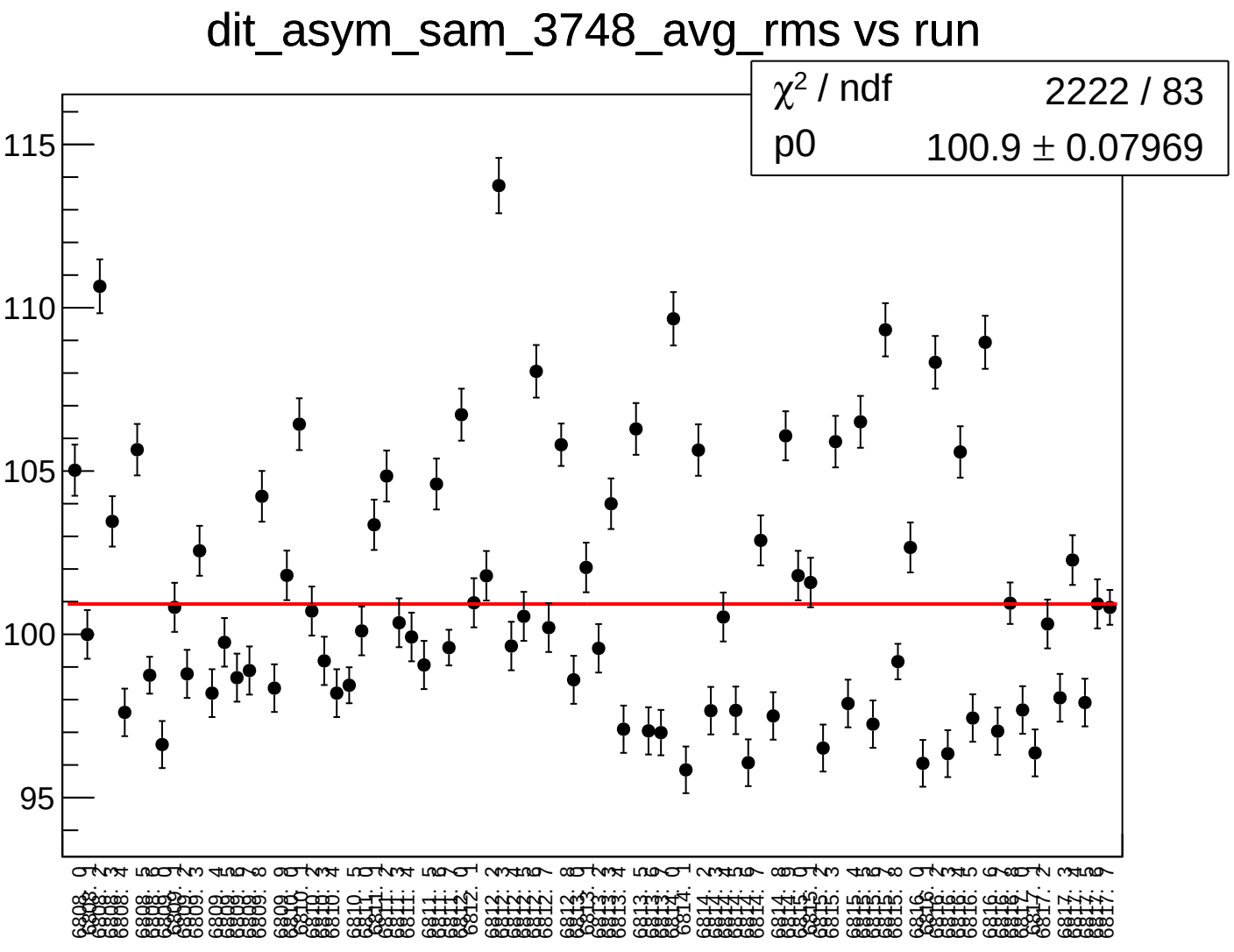

asym_sam_1548_avg_mean vs run
χ² / ndf 100.2 / 83
p0 822.3 ± 679.5
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −474.8
Std Dev 533.4
2
1
0
−1
−2

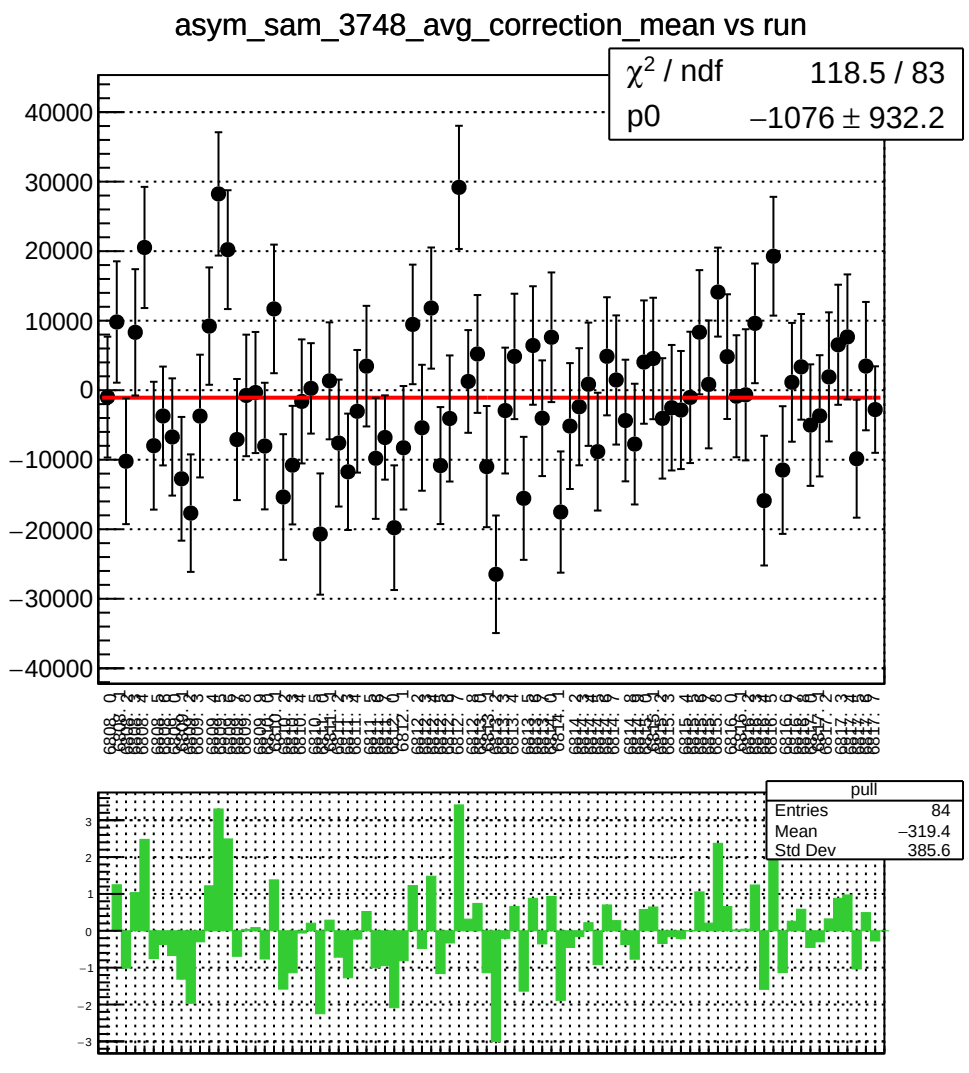

pull1D
Entries 84
Mean 0.004323
Std Dev 1.092
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

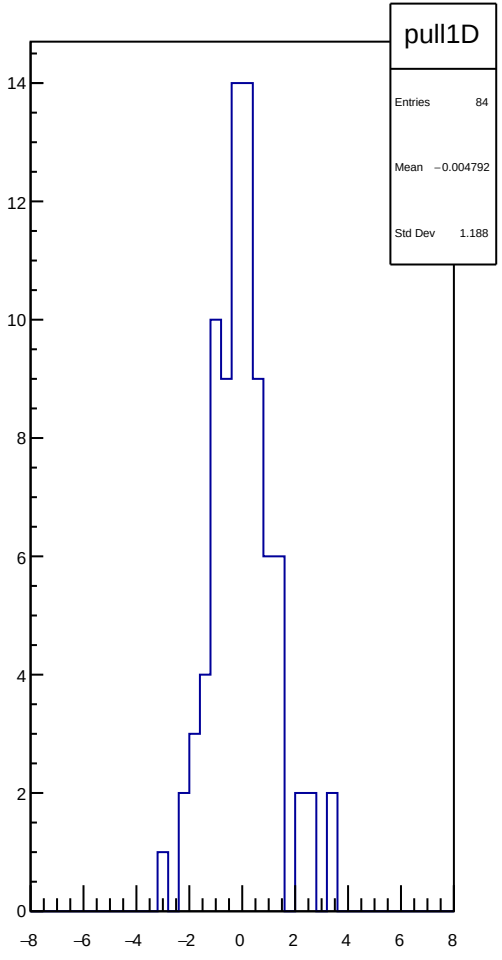

asym_sam_1548_avg_rms vs run
χ² / ndf 1133 / 83
p0 608.7 ± 0.4805
660
650
640
630
620
610
600
590
580
570

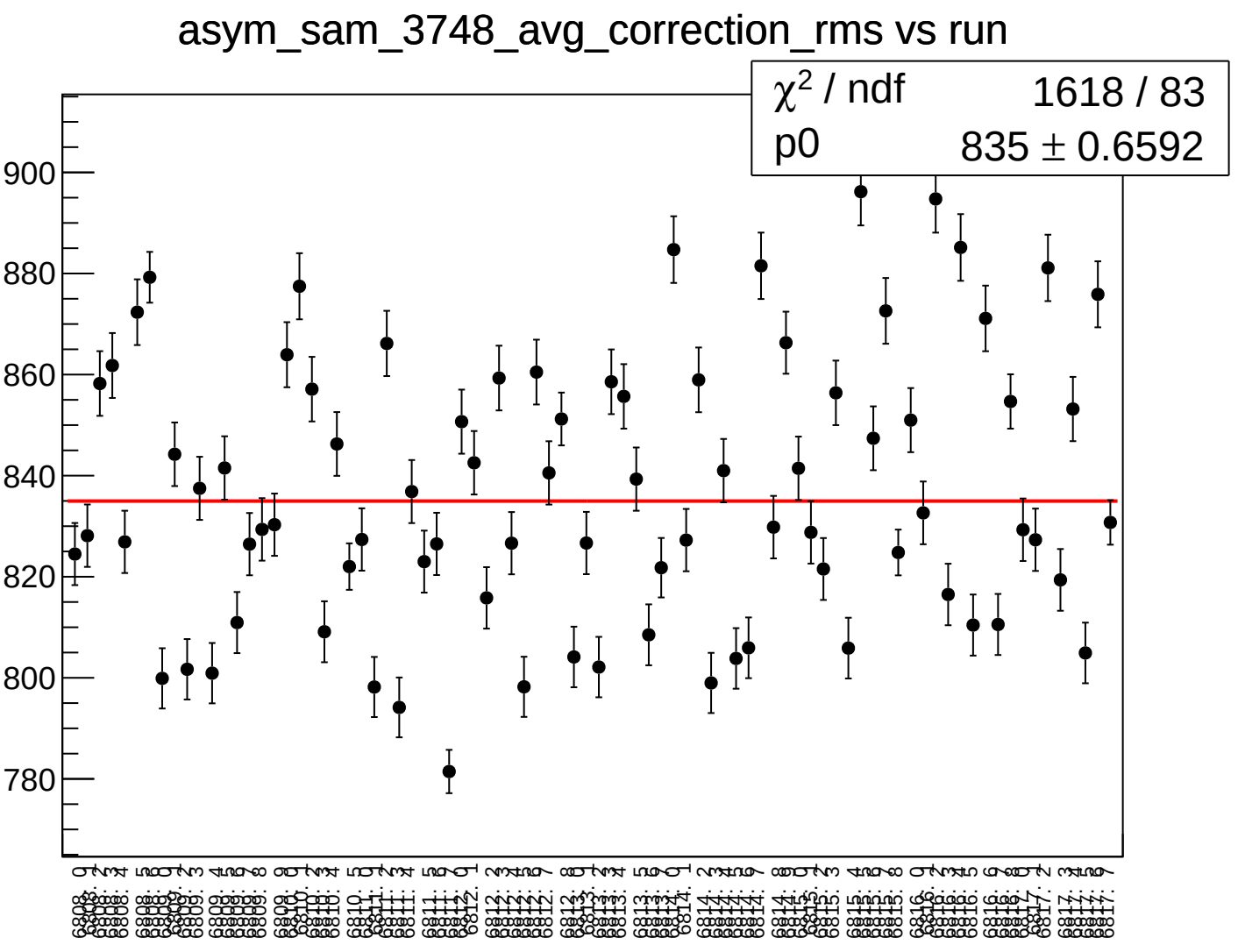

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 75.63 / 83
p0 −1.369 ± 112.7
pull
Entries 84
Mean −682.8
Std Dev 733.2

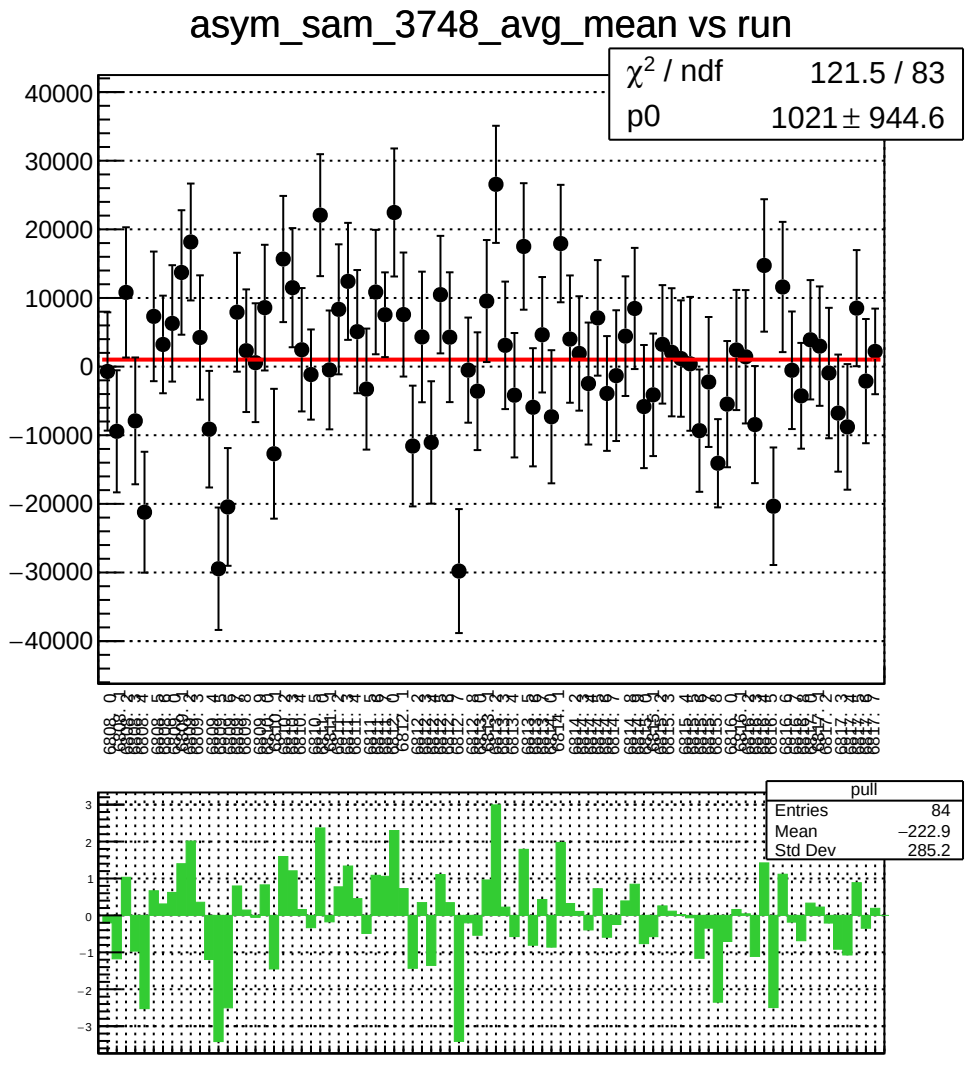

pull1D
Entries 84
Mean 0.005902
Std Dev 0.9488

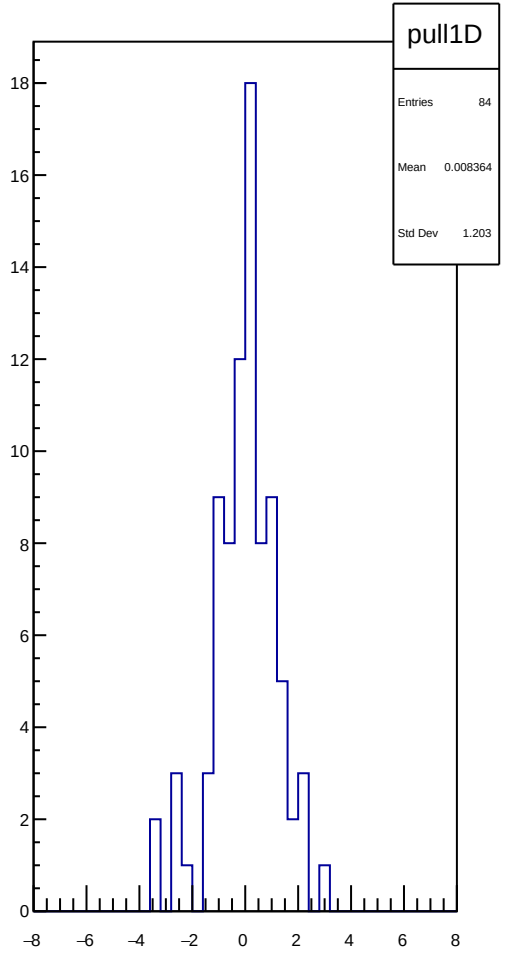

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2222 / 83
p0 100.9 ± 0.07969
115
110
105
100
95

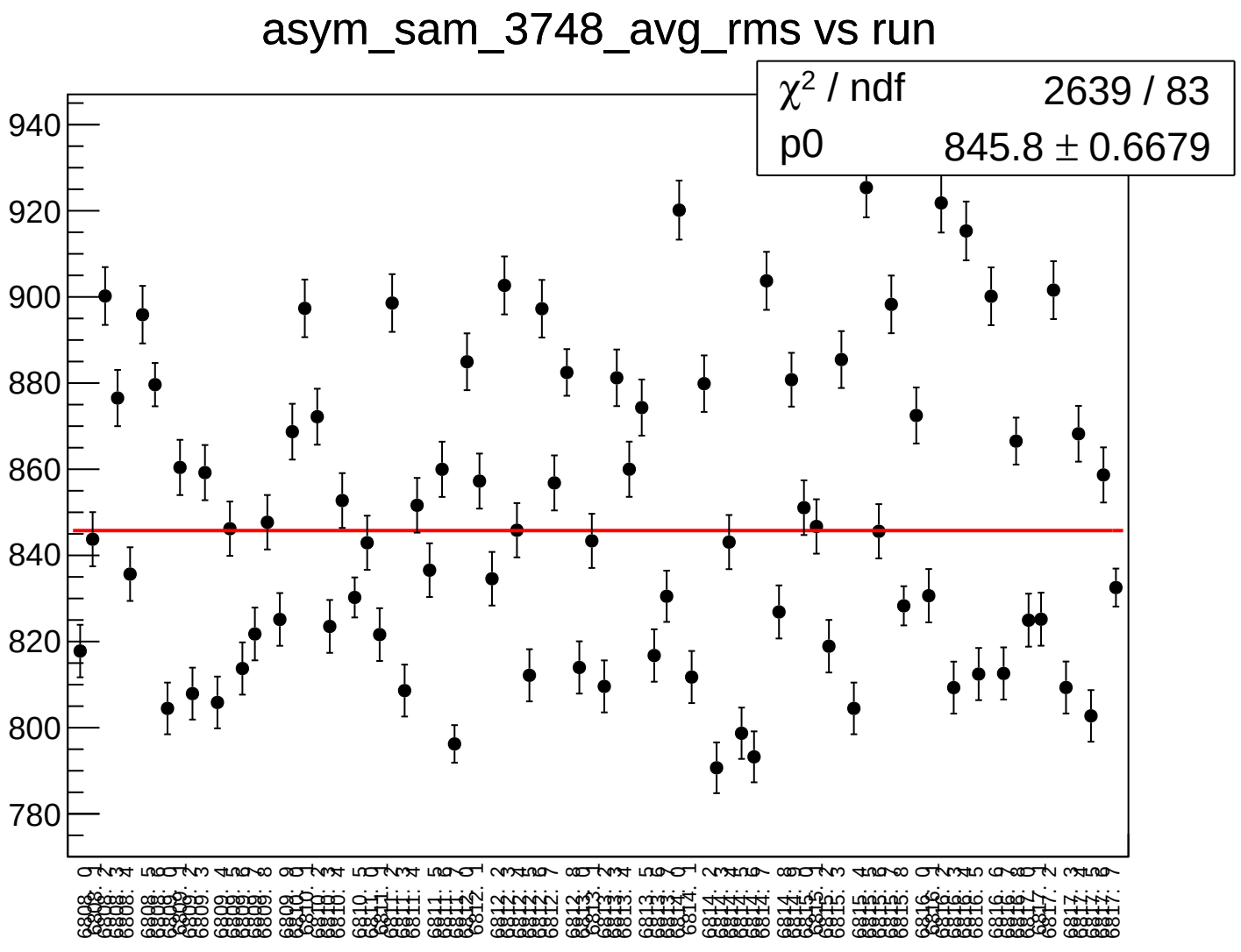

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 118.5 / 83
p0 −1076 ± 932.2
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean −319.4
Std Dev 385.6
3
2
1
0
−1
−2
−3

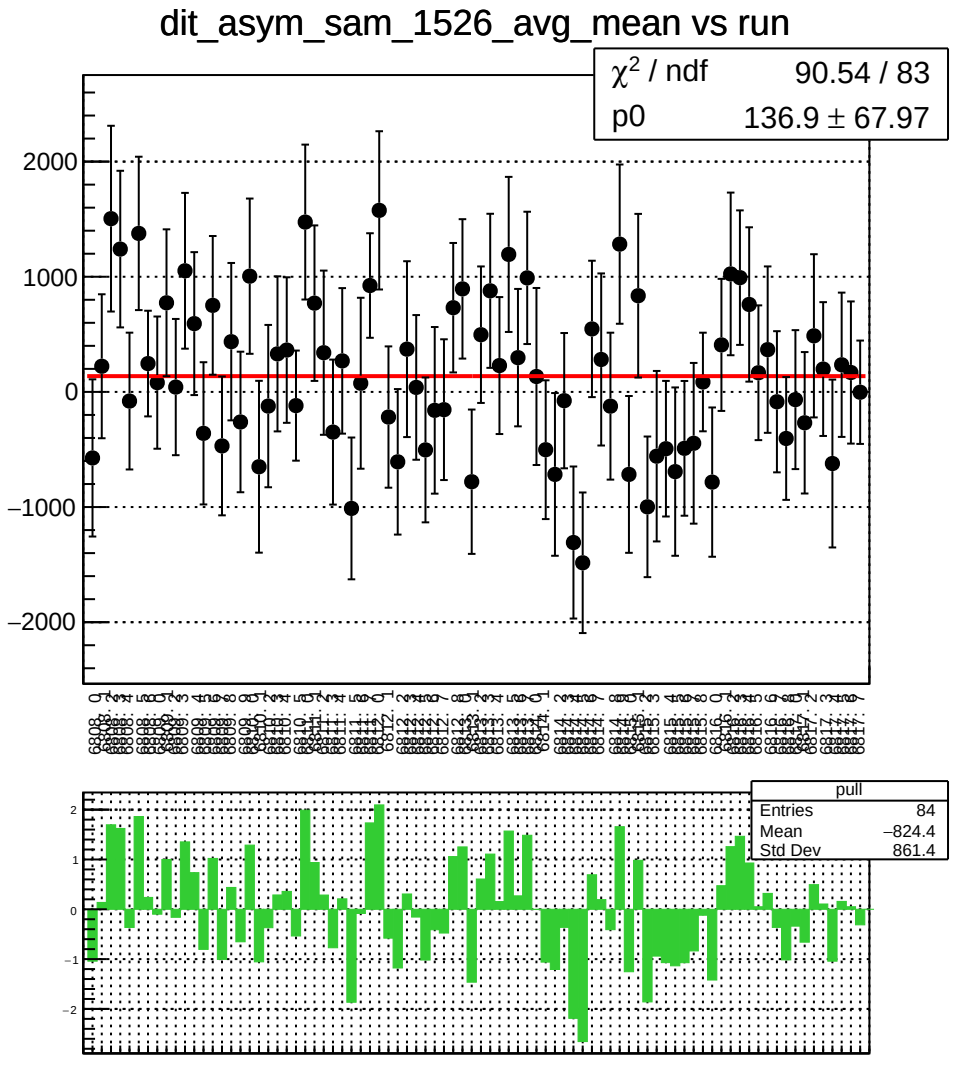

pull1D
Entries 84
Mean −0.004792
Std Dev 1.188
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

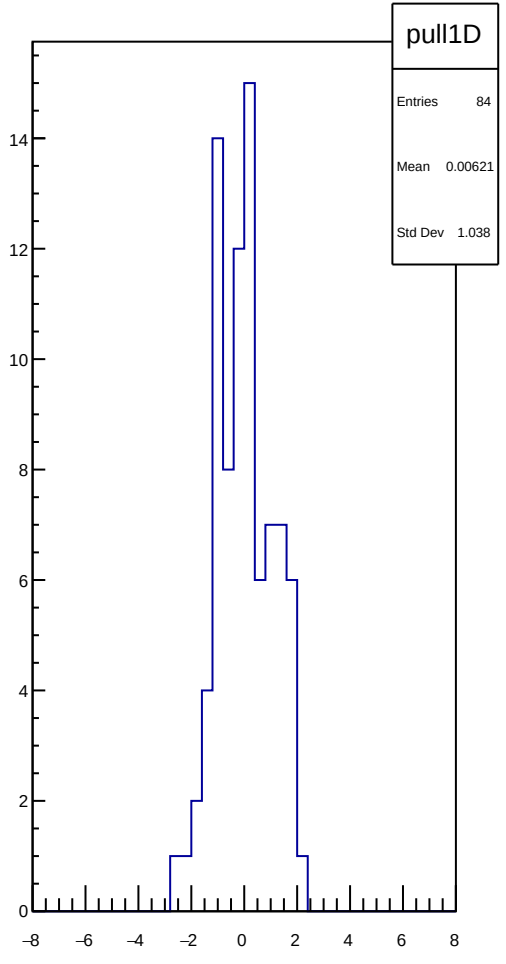

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1618 / 83
p0 835 ± 0.6592
900
880
860
840
820
800
780

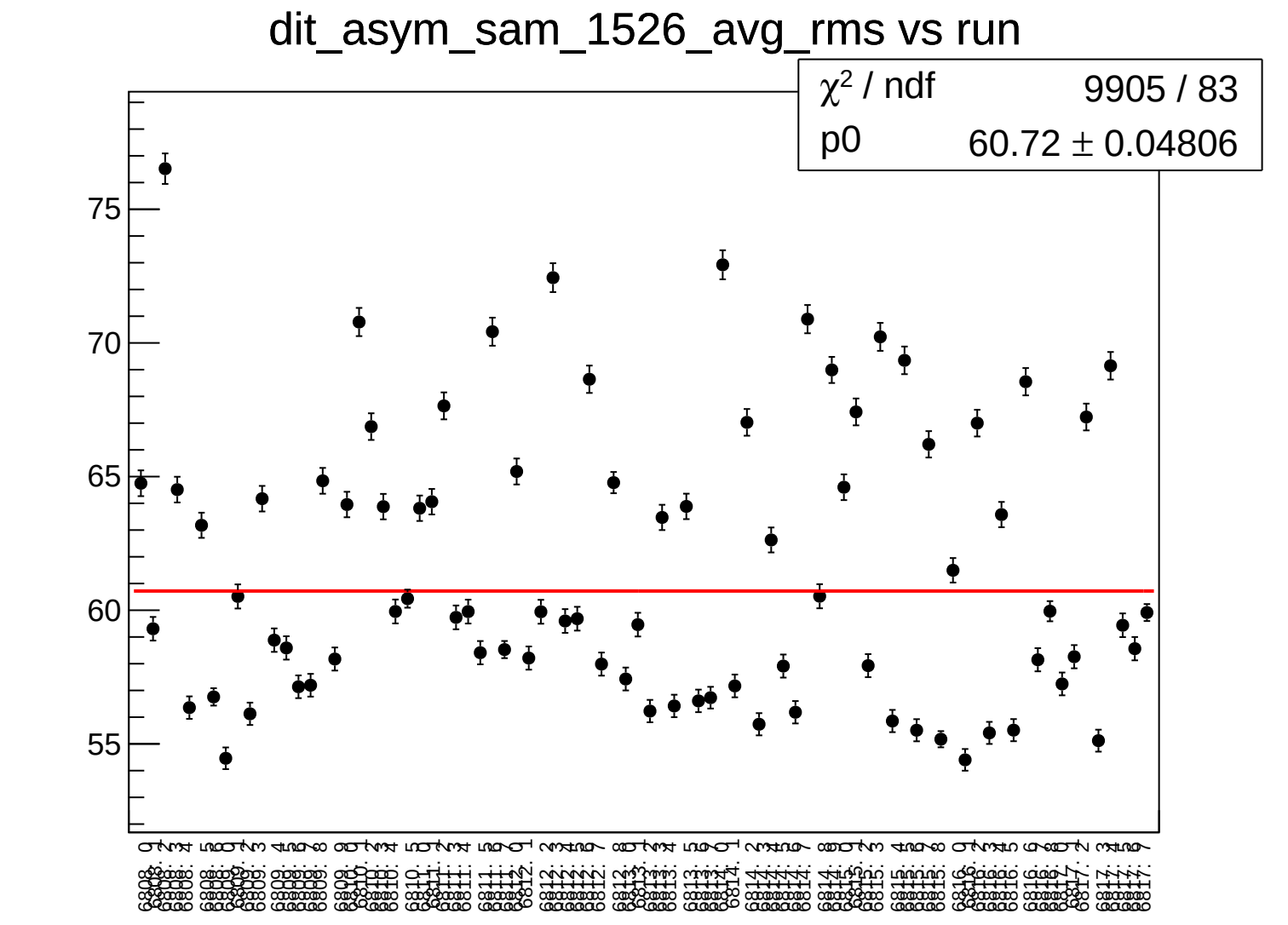

asym_sam_3748_avg_mean vs run
χ² / ndf 121.5 / 83
p0 1021 ± 944.6
pull
Entries 84
Mean −222.9
Std Dev 285.2

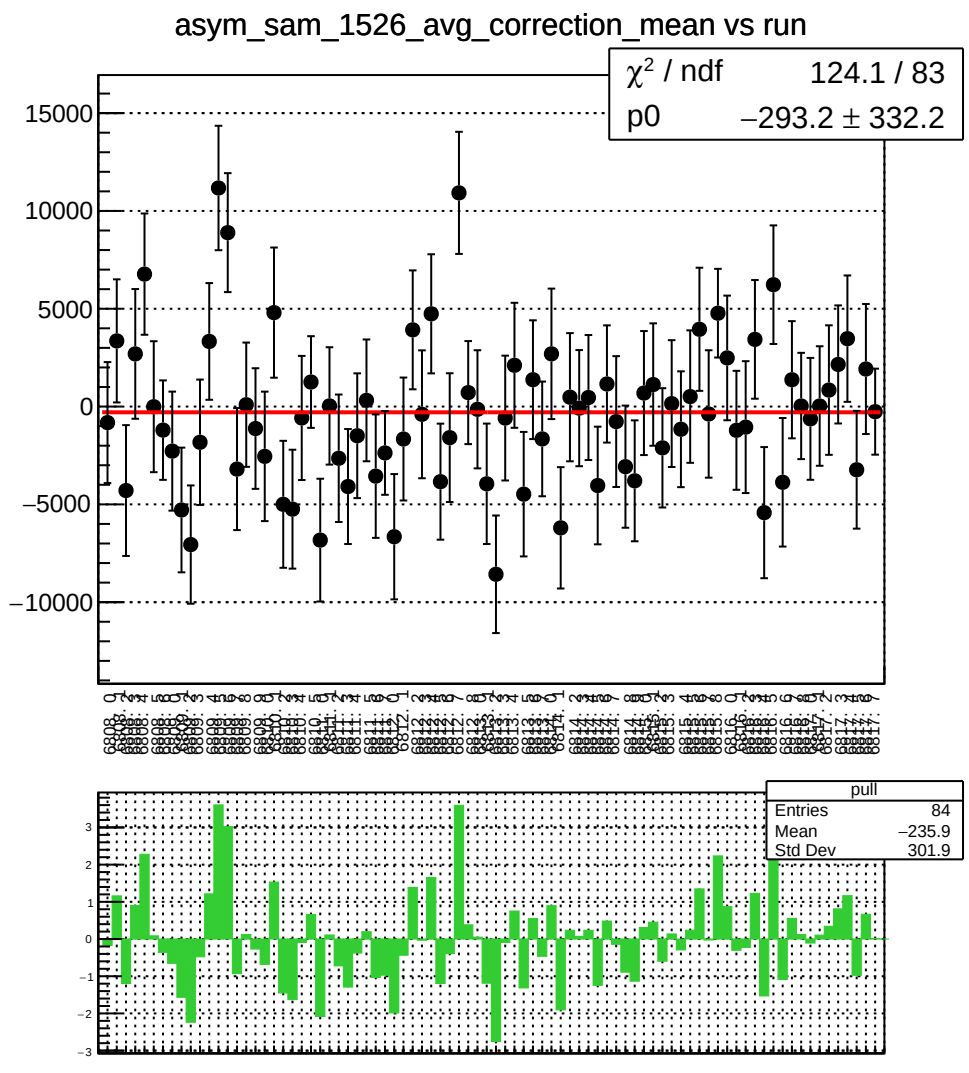

pull1D
Entries 84
Mean 0.008364
Std Dev 1.203

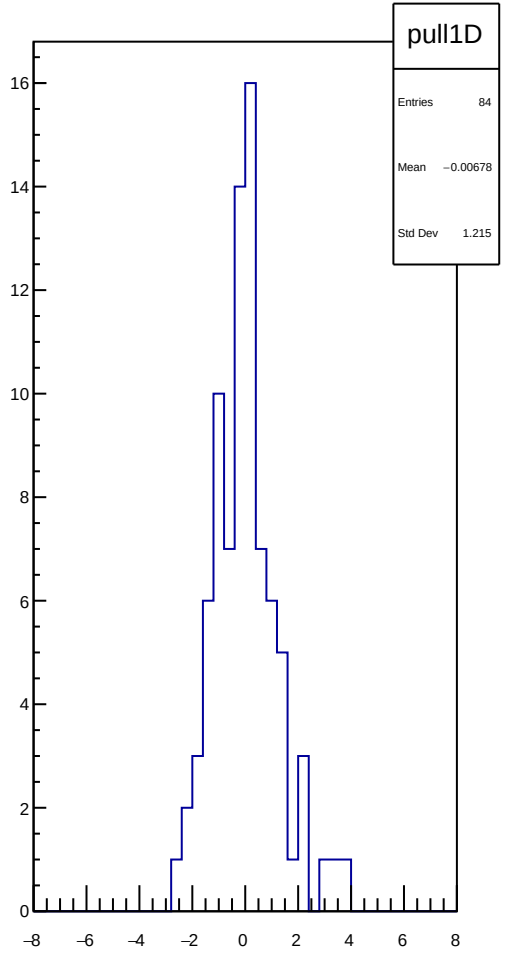

asym_sam_3748_avg_rms vs run
χ^2 / ndf 2639 / 83
p0 845.8 ± 0.6679
940
920
900
880
860
840
820
800
780

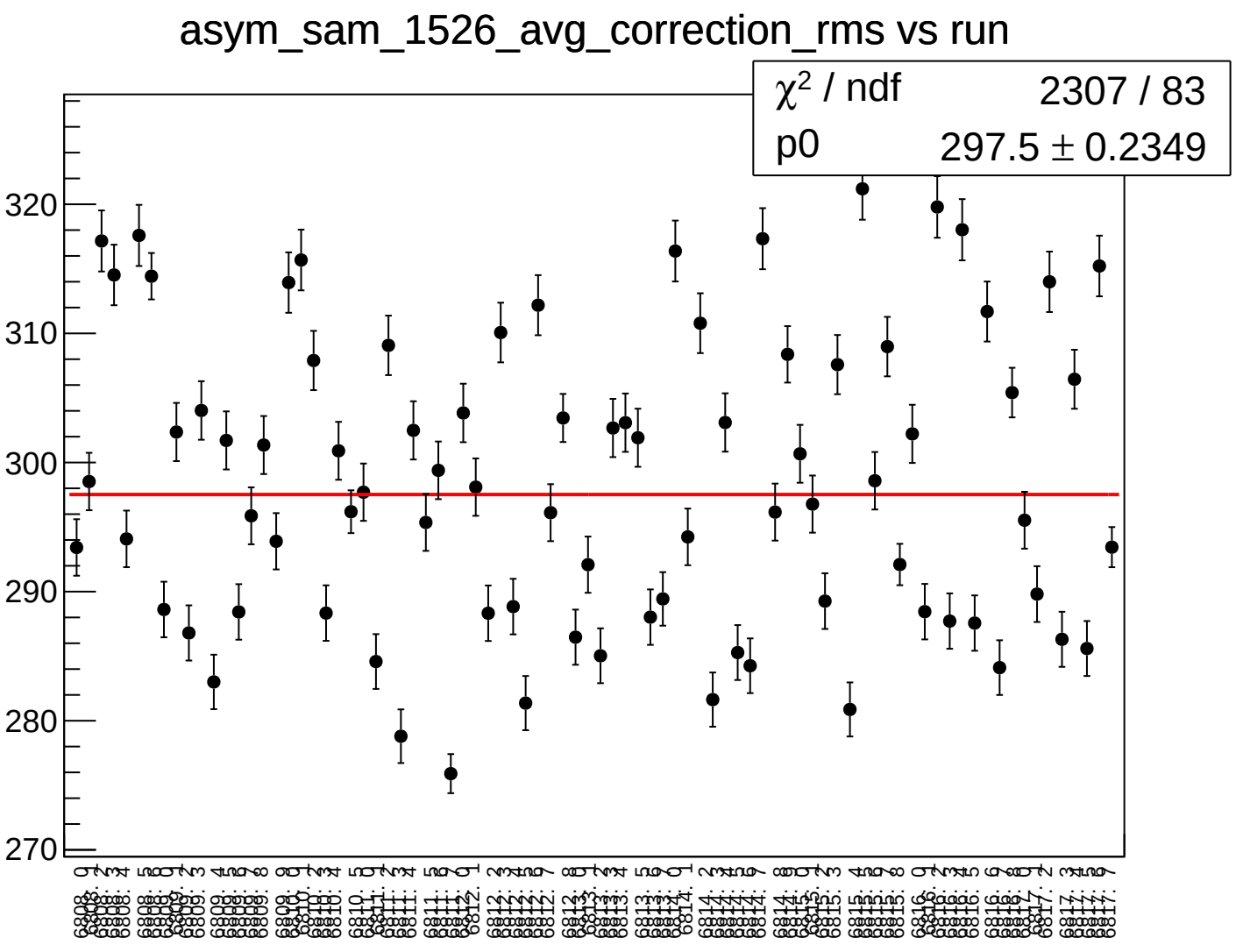

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 90.54 / 83
p0 136.9 ± 67.97
2000
1000
0
−1000
−2000
pull
Entries 84
Mean −824.4
Std Dev 861.4
2
1
0
−1
−2

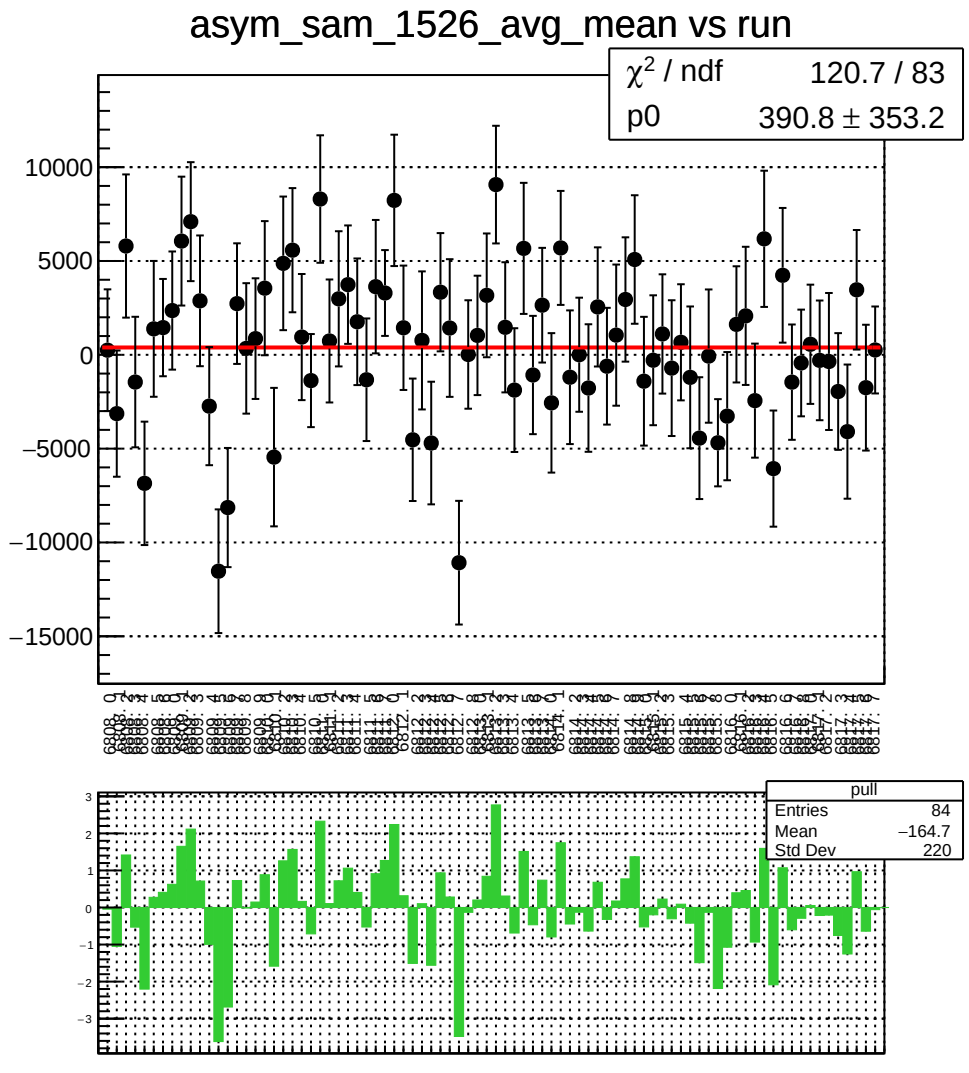

pull1D
Entries 84
Mean 0.00621
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

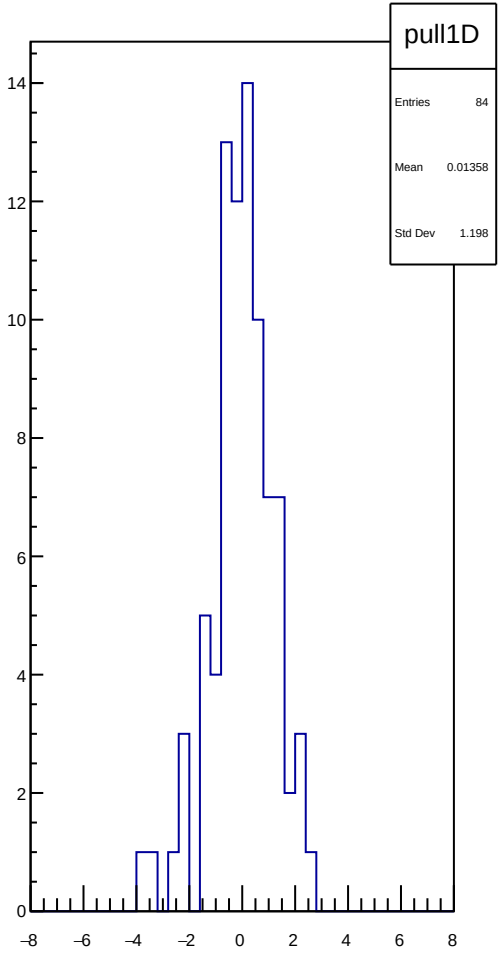

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 9905 / 83
p0 60.72 ± 0.04806
75
70
65
60
55

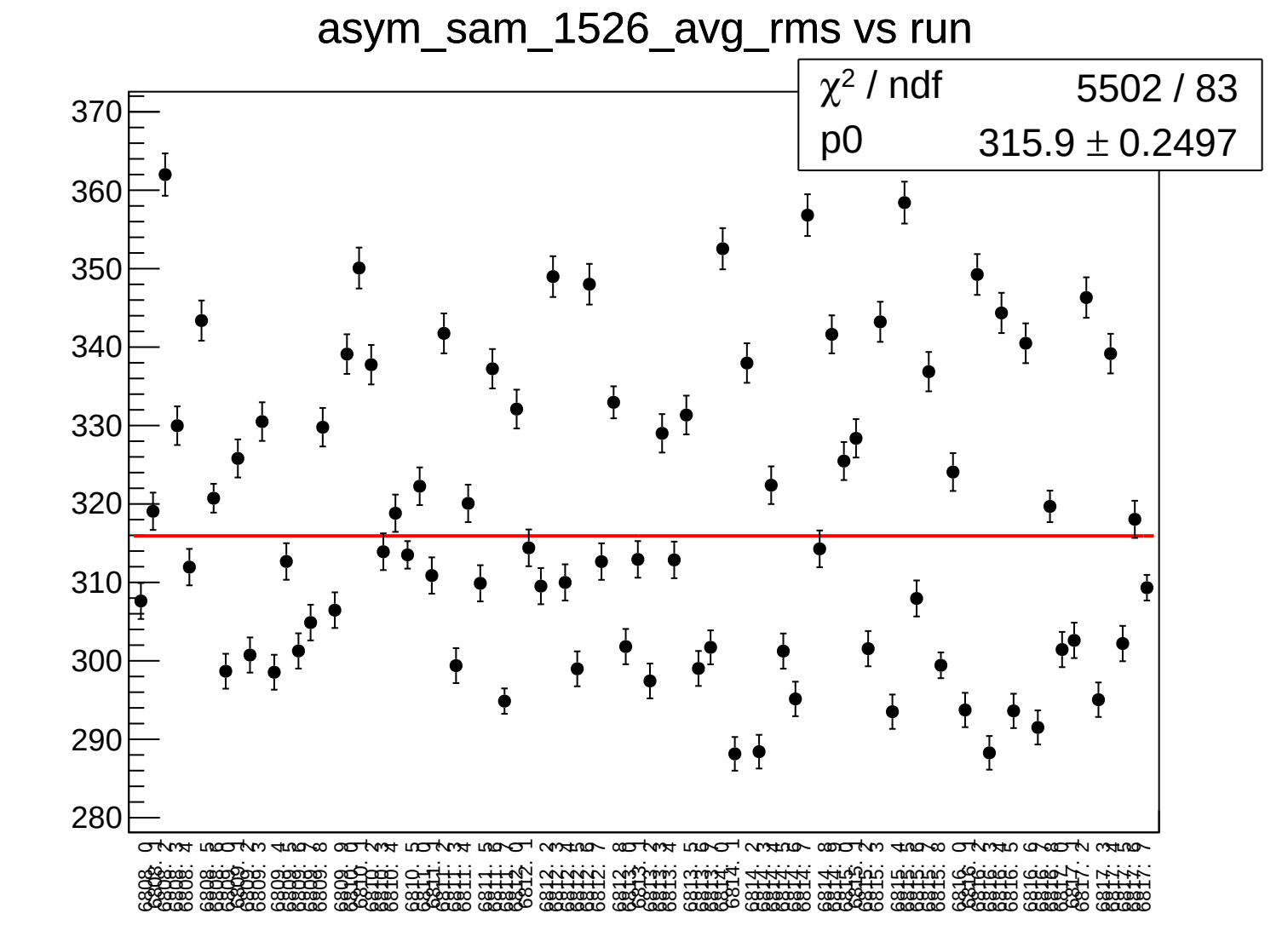

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 124.1 / 83
p0 −293.2 ± 332.2
15000
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −235.9
Std Dev 301.9
3
2
1
0
−1
−2
−3

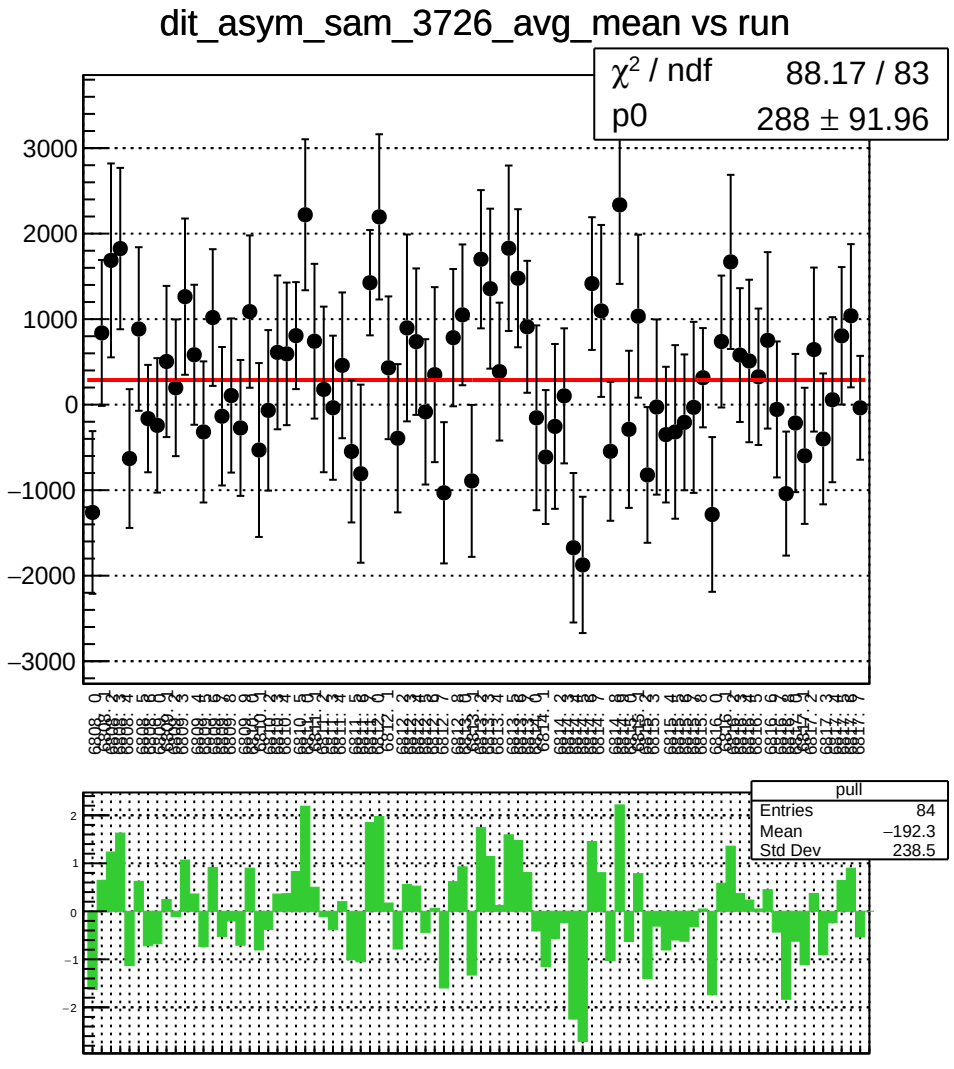

pull1D
Entries 84
Mean −0.00678
Std Dev 1.215
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

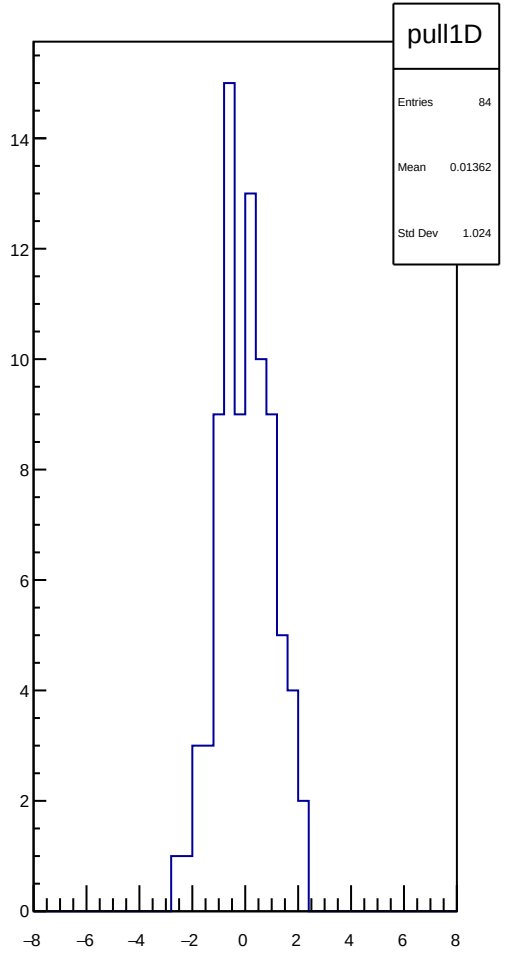

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2307 / 83
p0 297.5 ± 0.2349
320
310
300
290
280
270

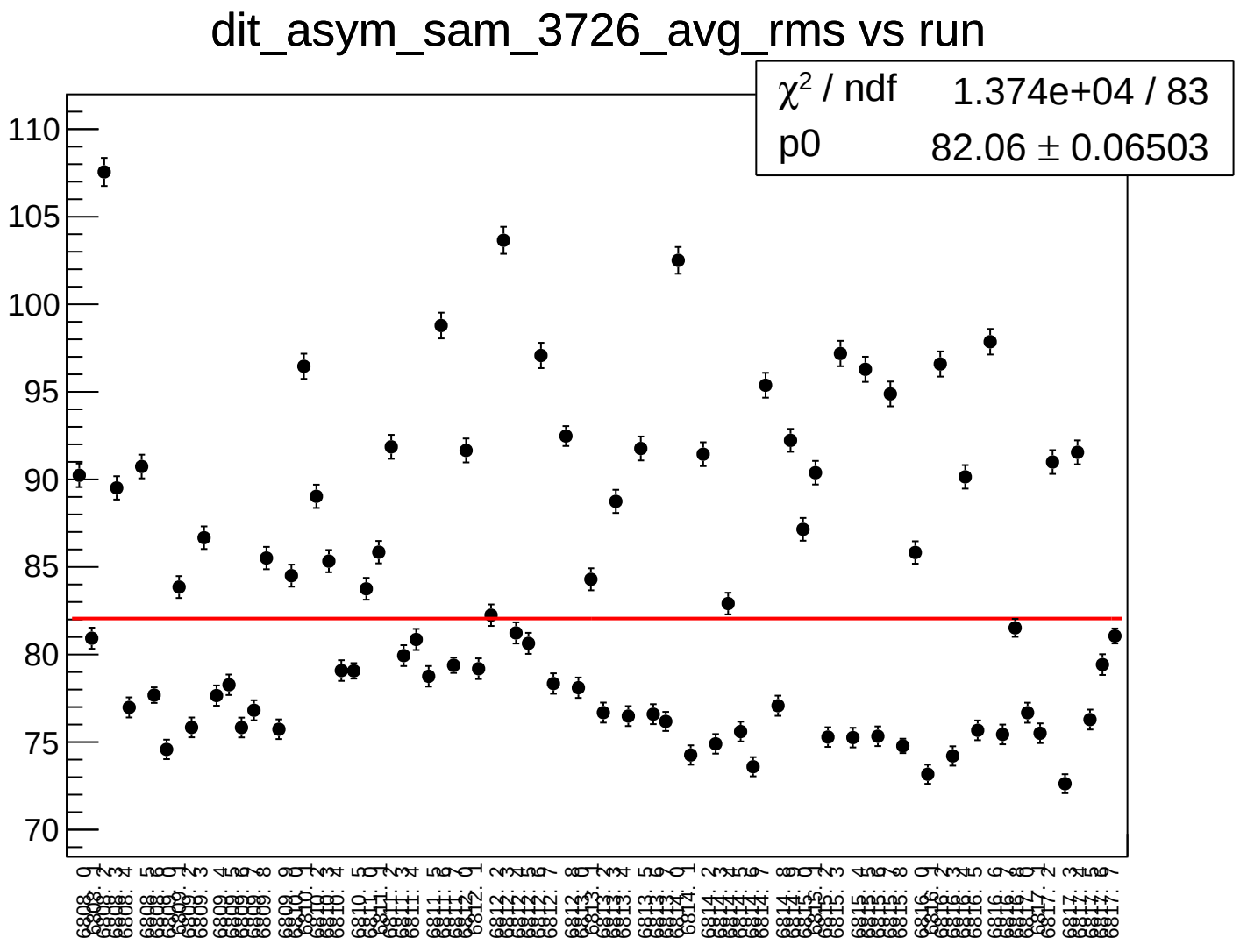

asym_sam_1526_avg_mean vs run
χ² / ndf 120.7 / 83
p0 390.8 ± 353.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −164.7
Std Dev 220
3
2
1
0
−1
−2
−3

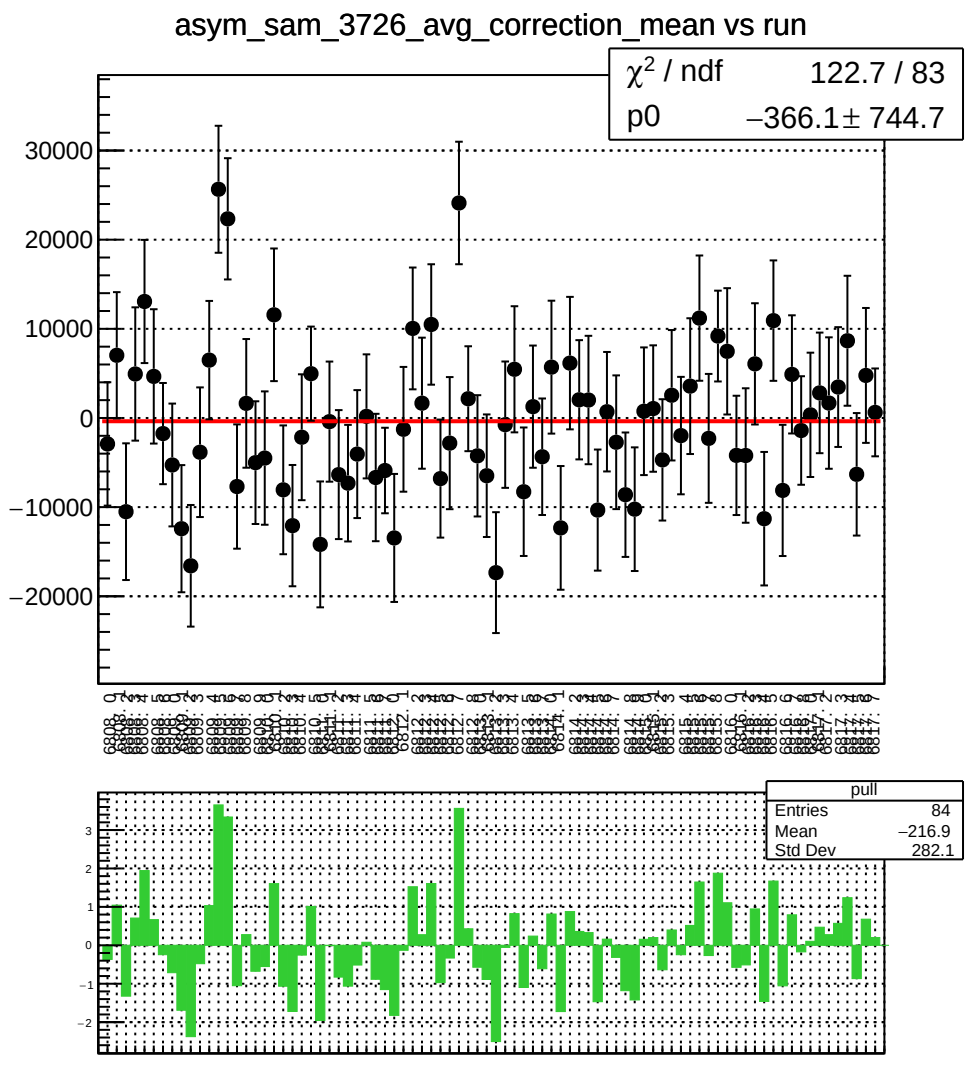

pull1D
Entries 84
Mean 0.01358
Std Dev 1.198
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

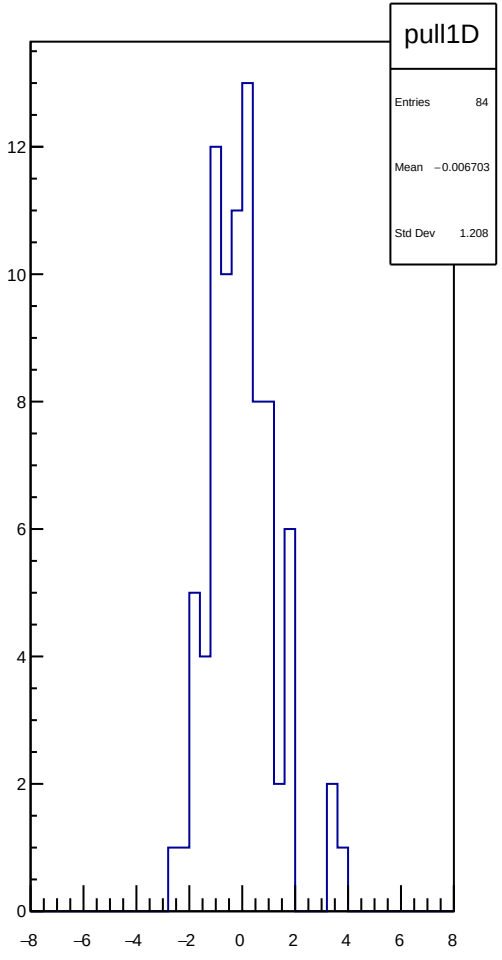

asym_sam_1526_avg_rms vs run
χ^2 / ndf 5502 / 83
p0 315.9 ± 0.2497
370
360
350
340
330
320
310
300
290
280

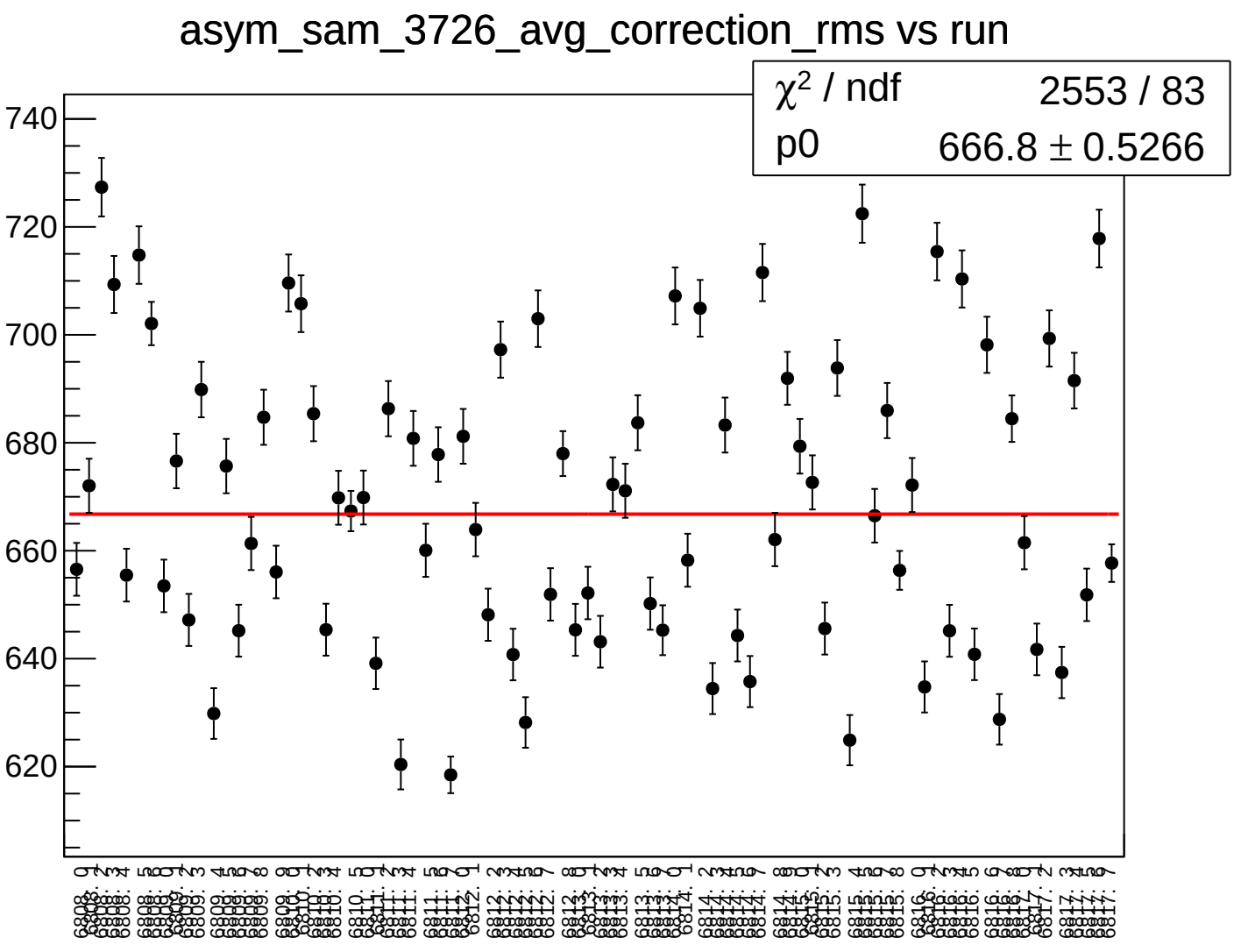

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 88.17 / 83
p0 288 ± 91.96
pull
Entries 84
Mean −192.3
Std Dev 238.5

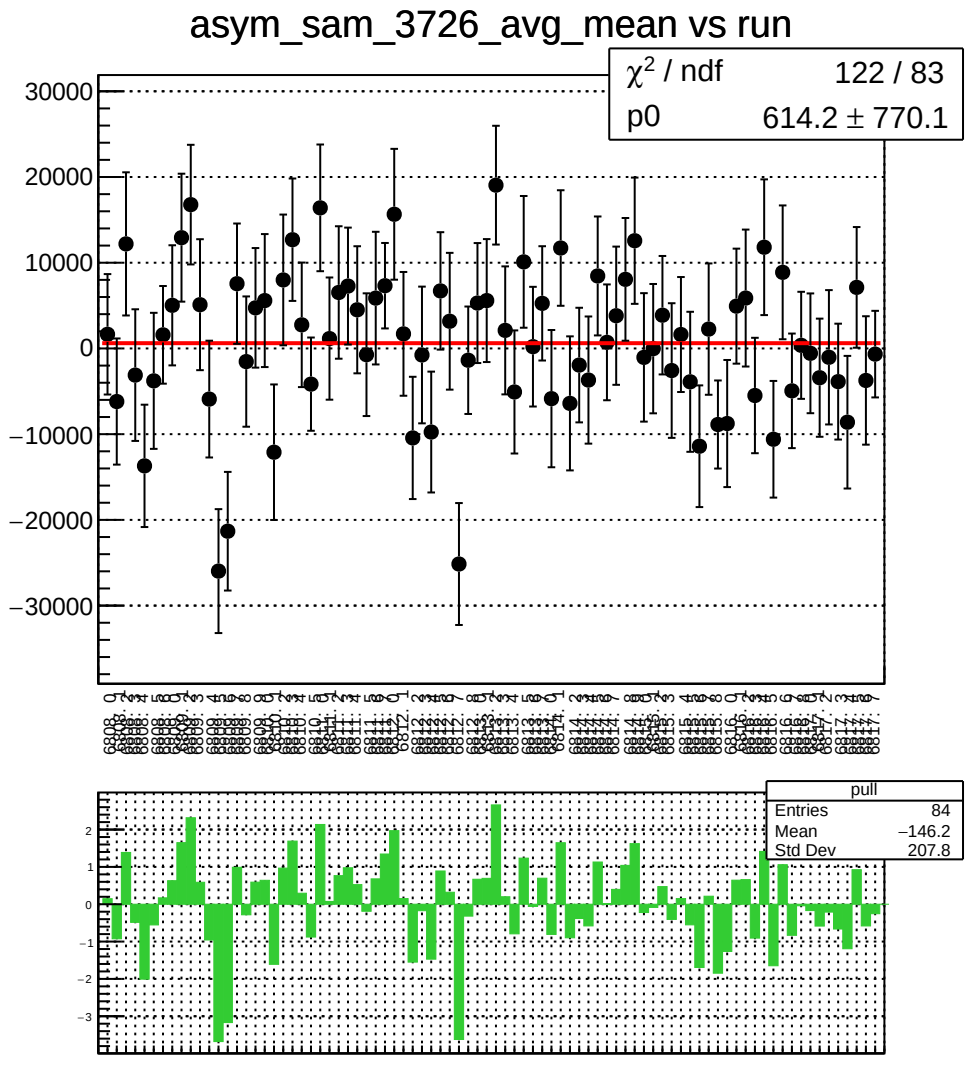

pull1D
Entries 84
Mean 0.01362
Std Dev 1.024

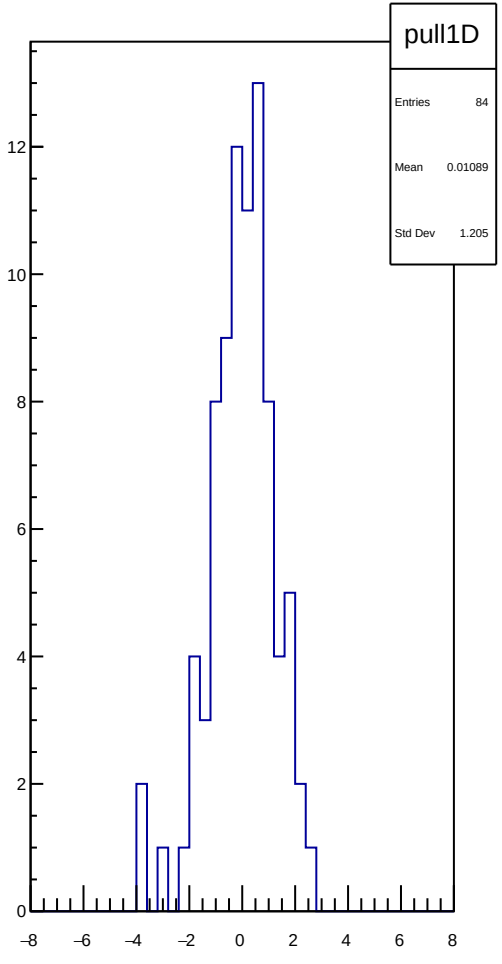

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.374e+04 / 83
p0 82.06 ± 0.06503
110
105
100
95
90
85
80
75
70

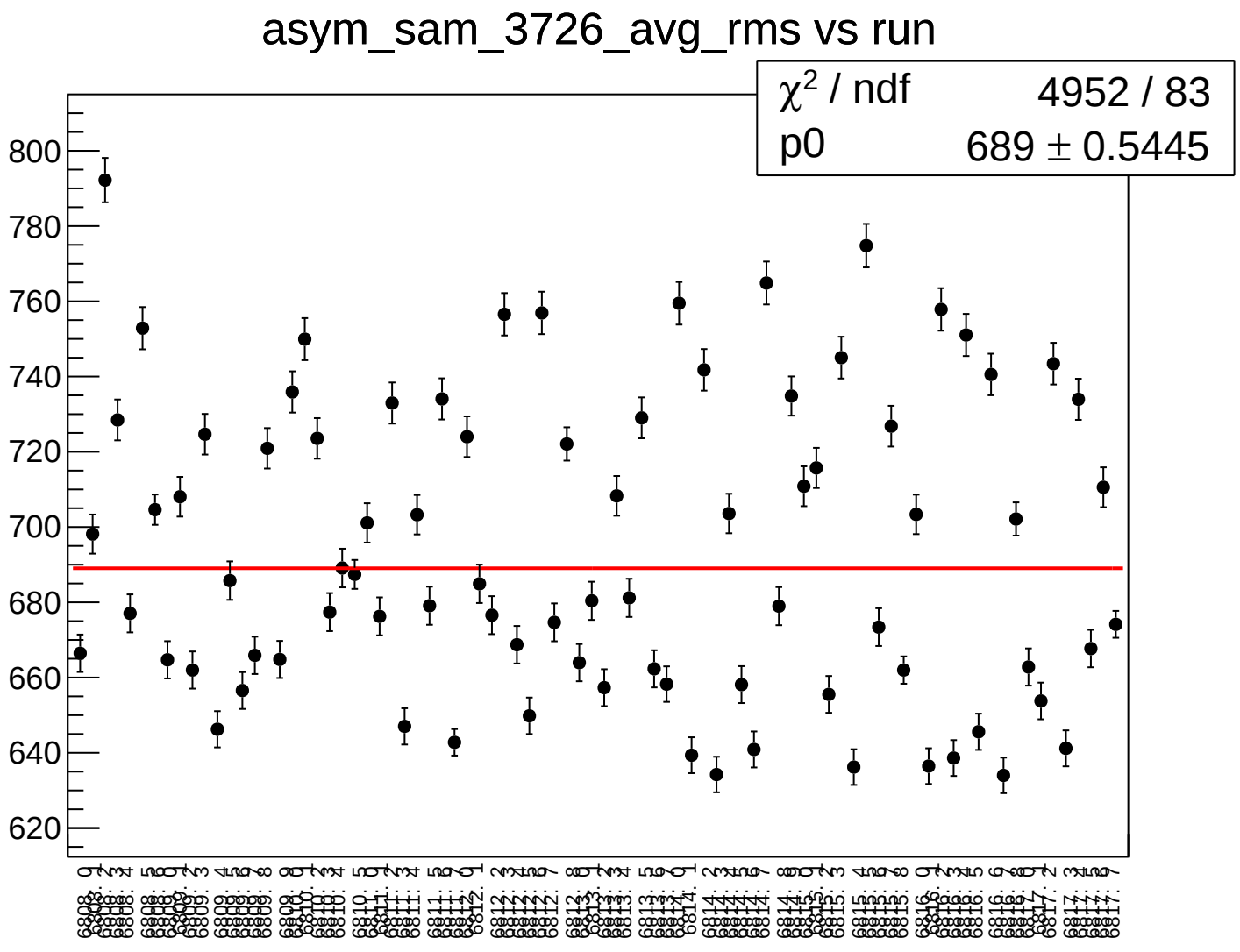

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 122.7 / 83
p0 −366.1± 744.7
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −216.9
Std Dev 282.1
3
2
1
0
−1
−2

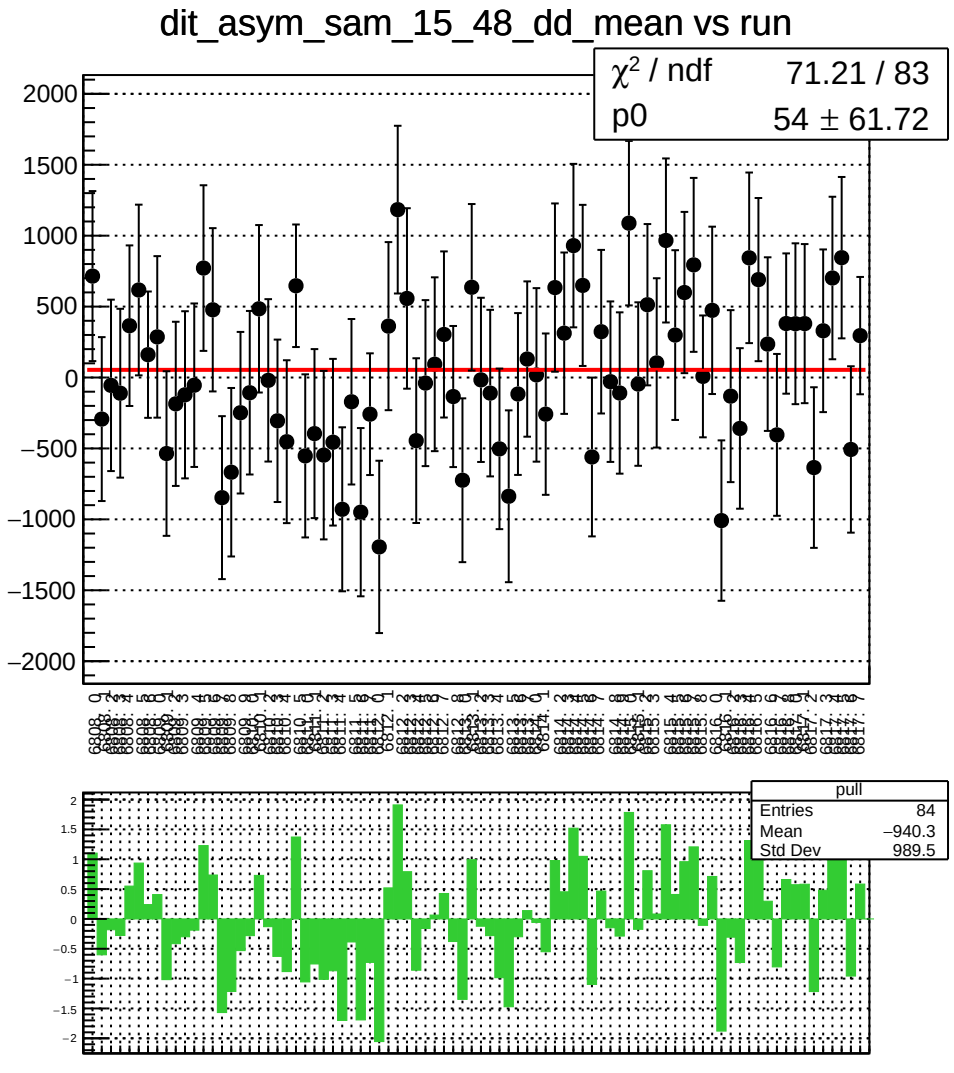

pull1D
Entries 84
Mean −0.006703
Std Dev 1.208
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

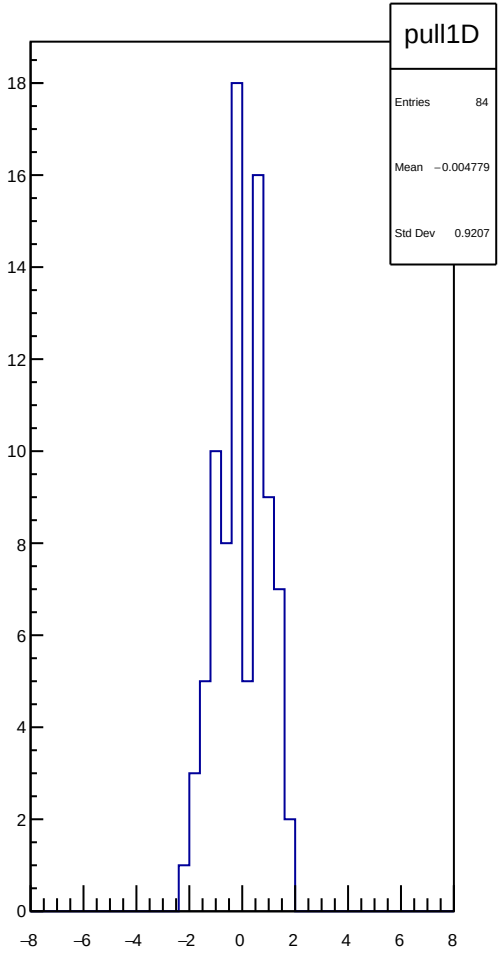

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2553 / 83
p0 666.8 ± 0.5266
740
720
700
680
660
640
620

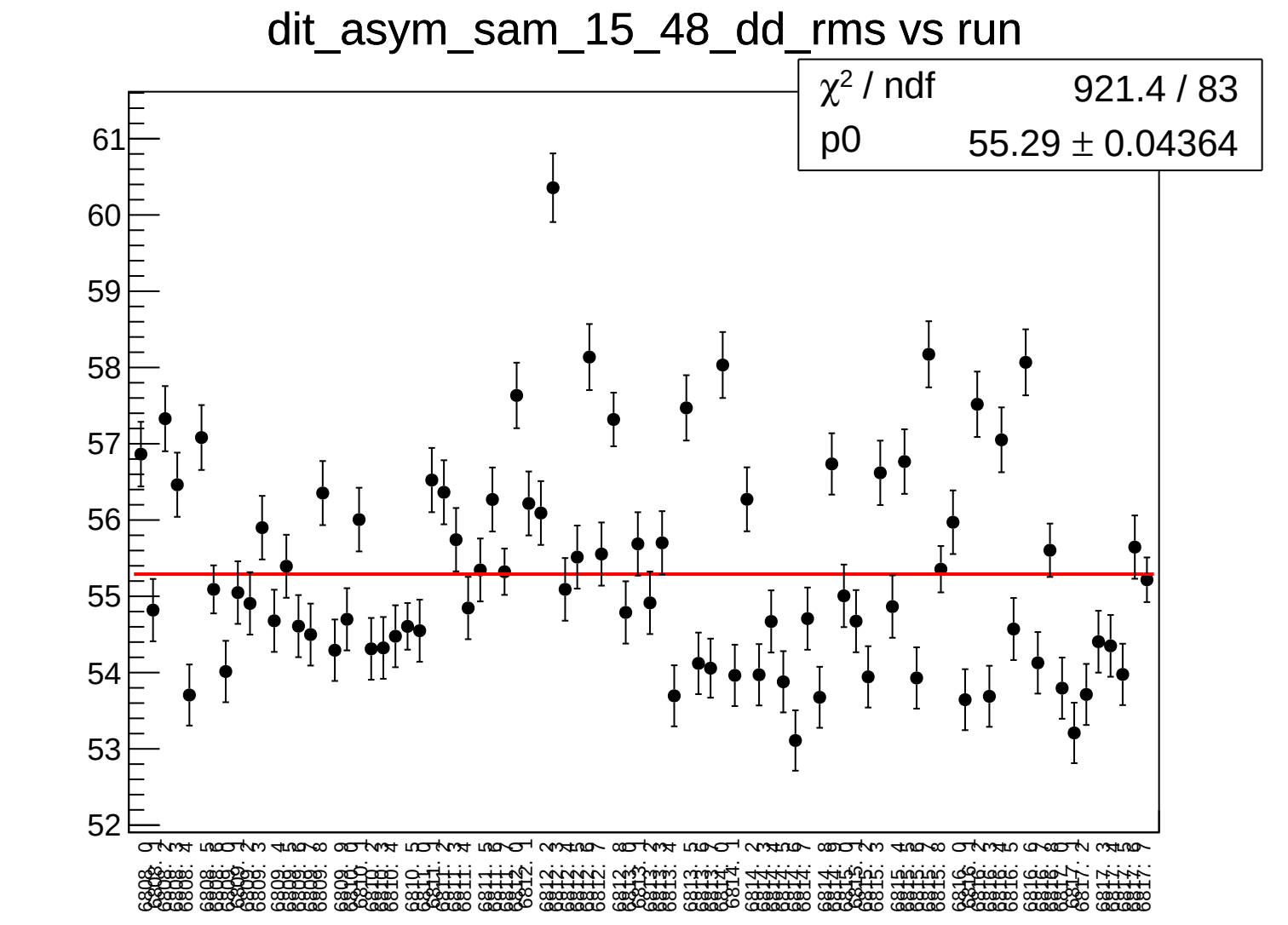

asym_sam_3726_avg_mean vs run
χ² / ndf 122 / 83
p0 614.2 ± 770.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −146.2
Std Dev 207.8
2
1
0
−1
−2
−3

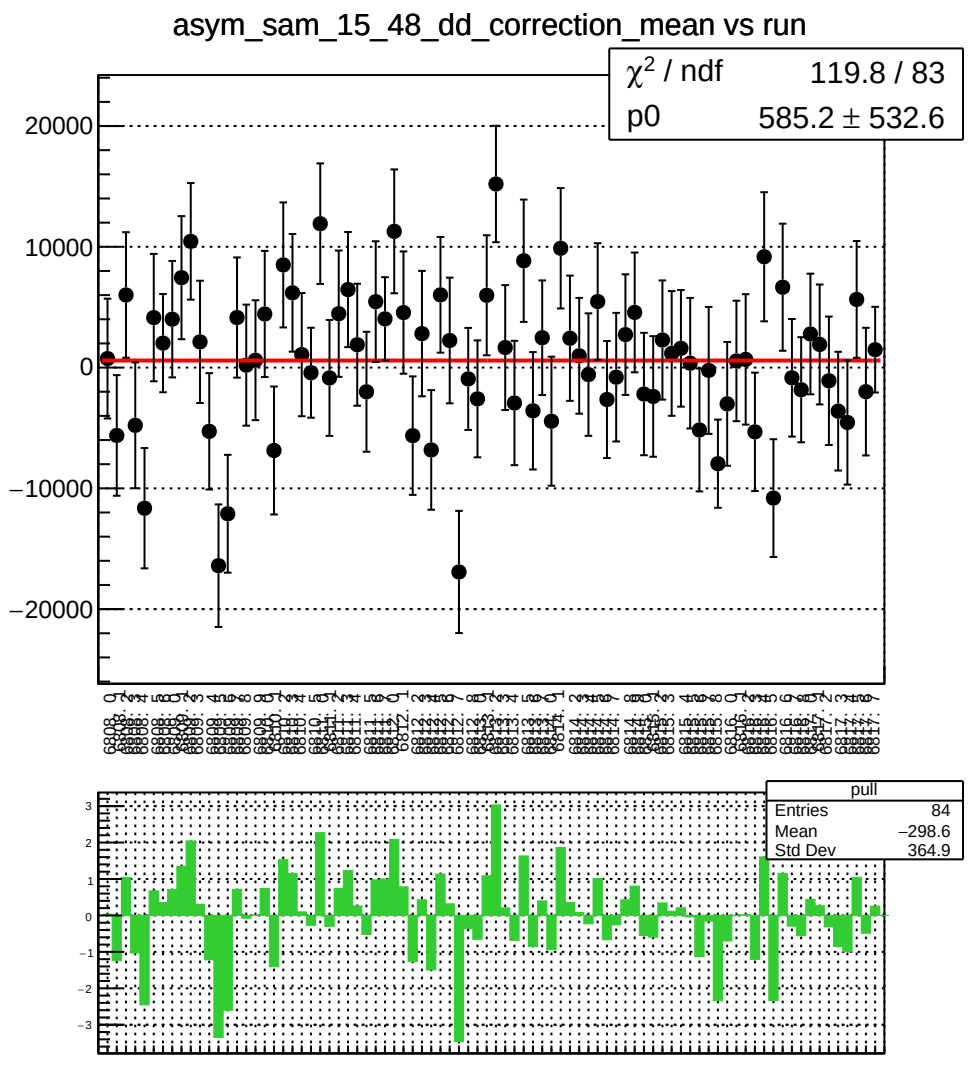

pull1D
Entries 84
Mean 0.01089
Std Dev 1.205
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

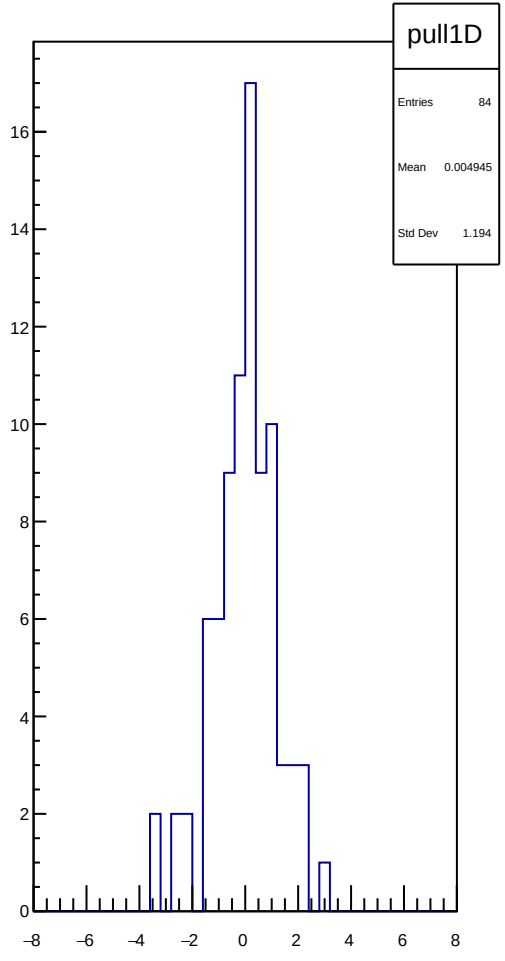

asym_sam_3726_avg_rms vs run
χ^2 / ndf 4952 / 83
p0 689 ± 0.5445
800
780
760
740
720
700
680
660
640
620

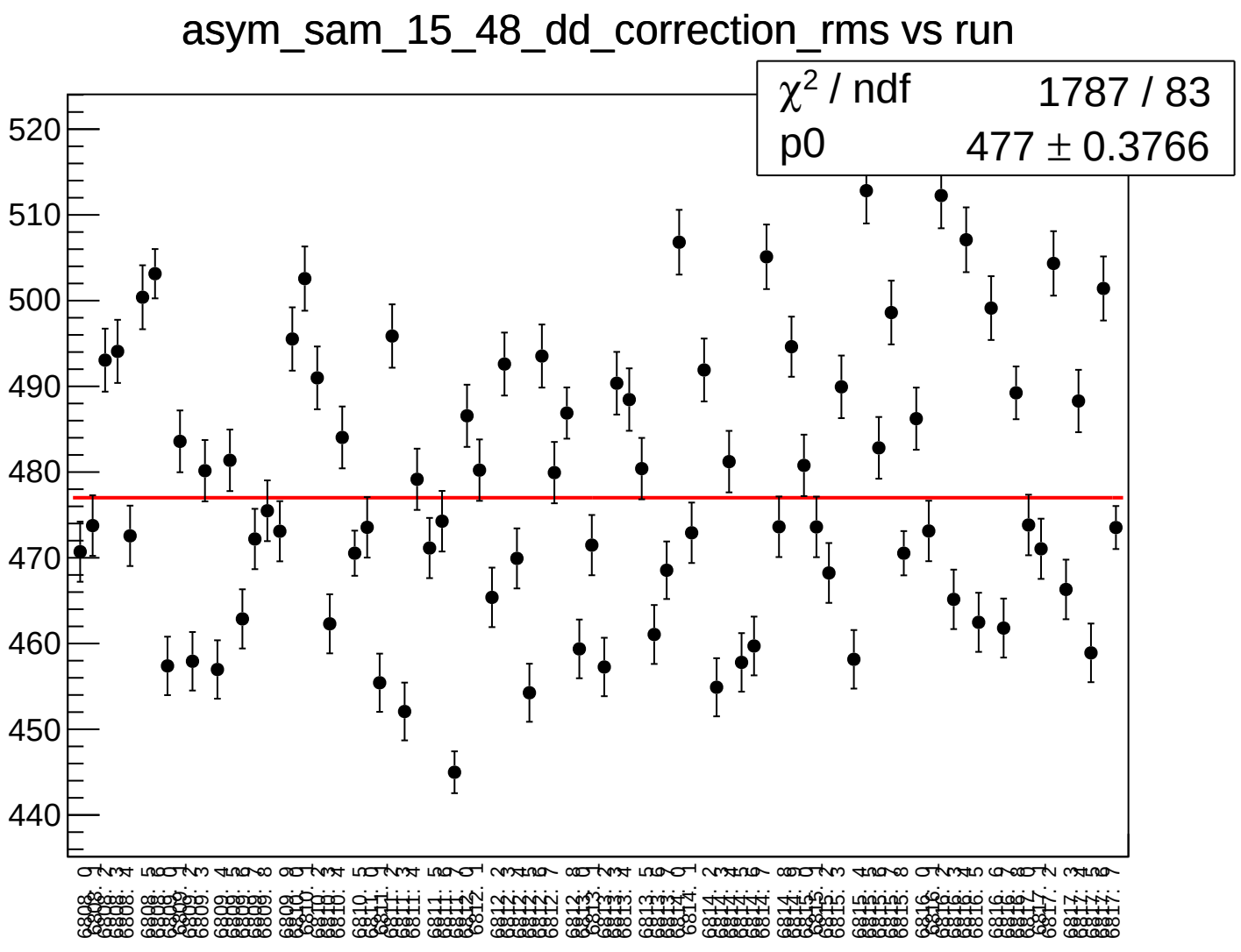

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 71.21 / 83
p0 54 ± 61.72
pull
Entries 84
Mean −940.3
Std Dev 989.5

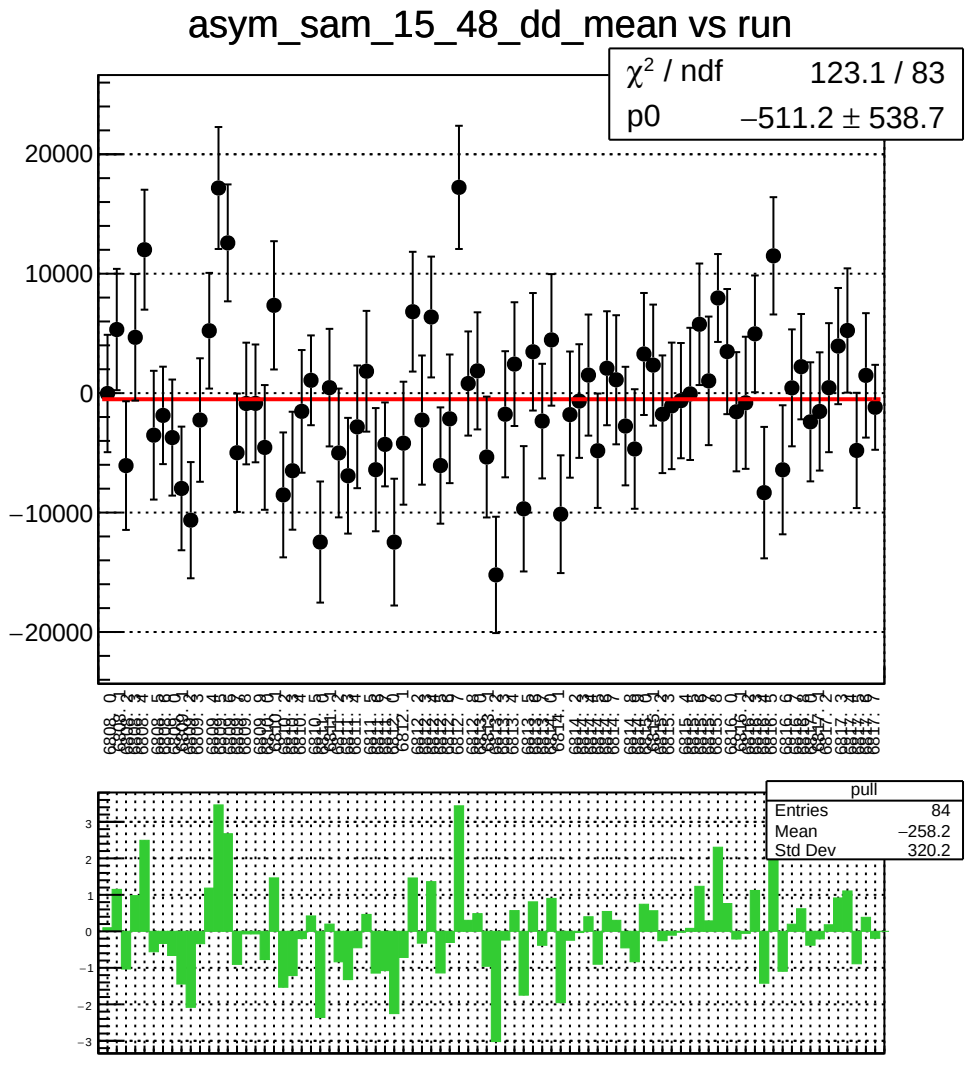

pull1D
Entries 84
Mean −0.004779
Std Dev 0.9207

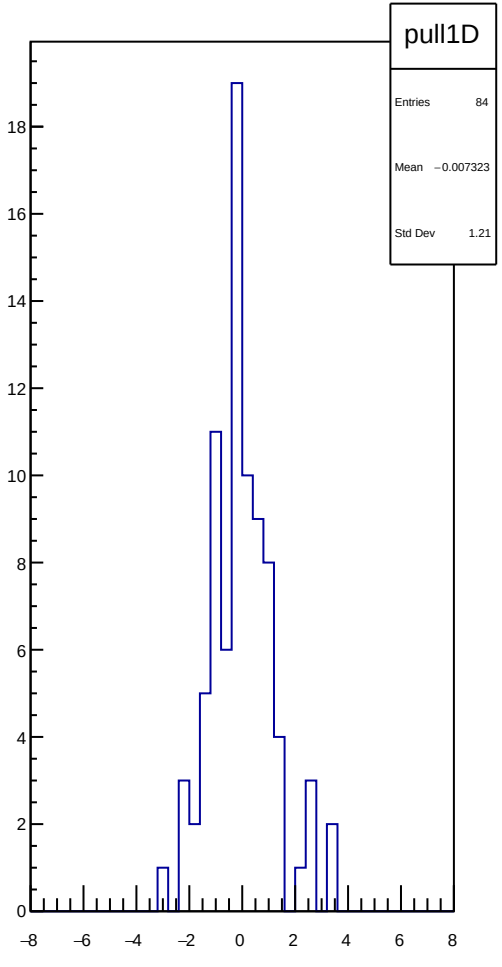

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 921.4 / 83
p0 55.29 ± 0.04364
61
60
59
58
57
56
55
54
53
52

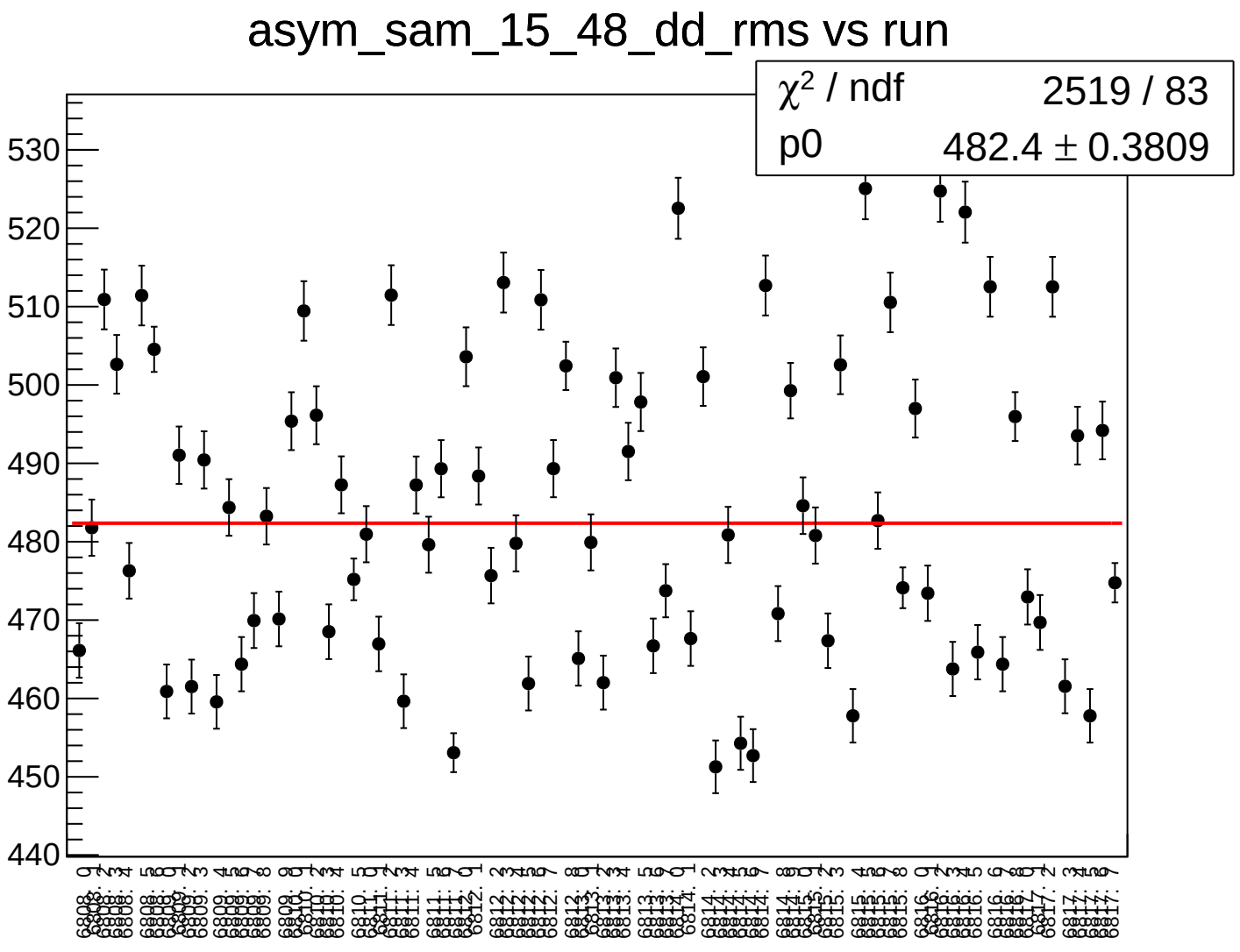

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 119.8 / 83
p0 585.2 ± 532.6
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −298.6
Std Dev 364.9
3
2
1
0
−1
−2
−3

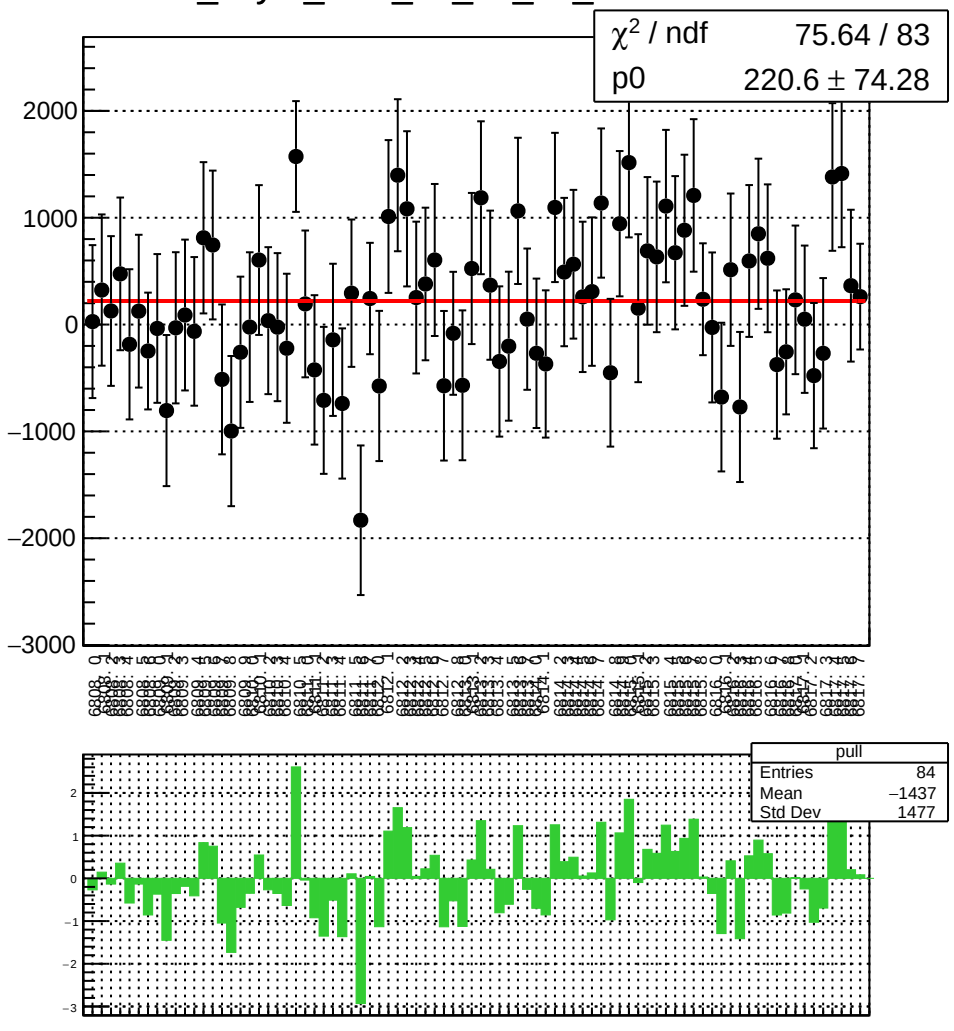

pull1D
Entries 84
Mean 0.004945
Std Dev 1.194
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

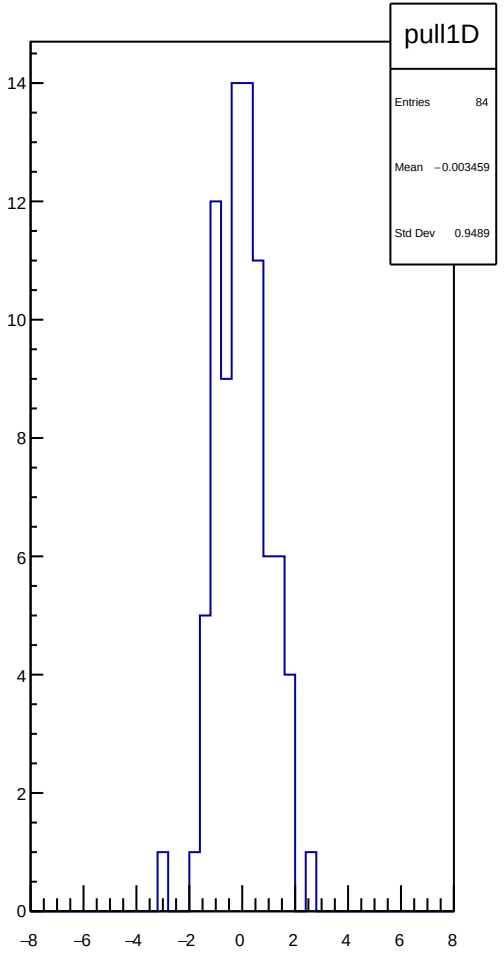

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1787 / 83
p0 477 ± 0.3766
520
510
500
490
480
470
460
450
440

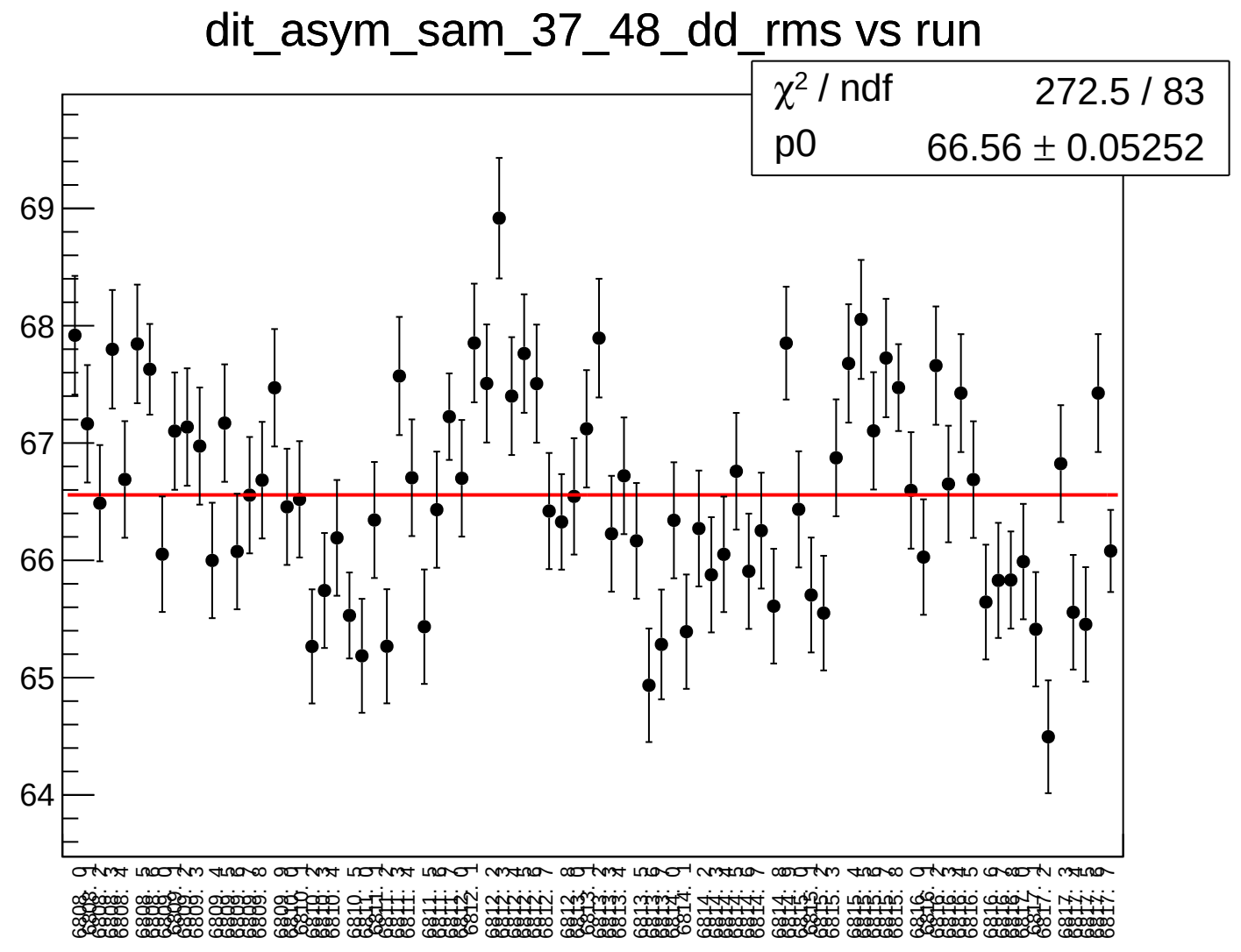

asym_sam_15_48_dd_mean vs run
χ² / ndf 123.1 / 83
p0 −511.2 ± 538.7
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −258.2
Std Dev 320.2
3
2
1
0
−1
−2
−3

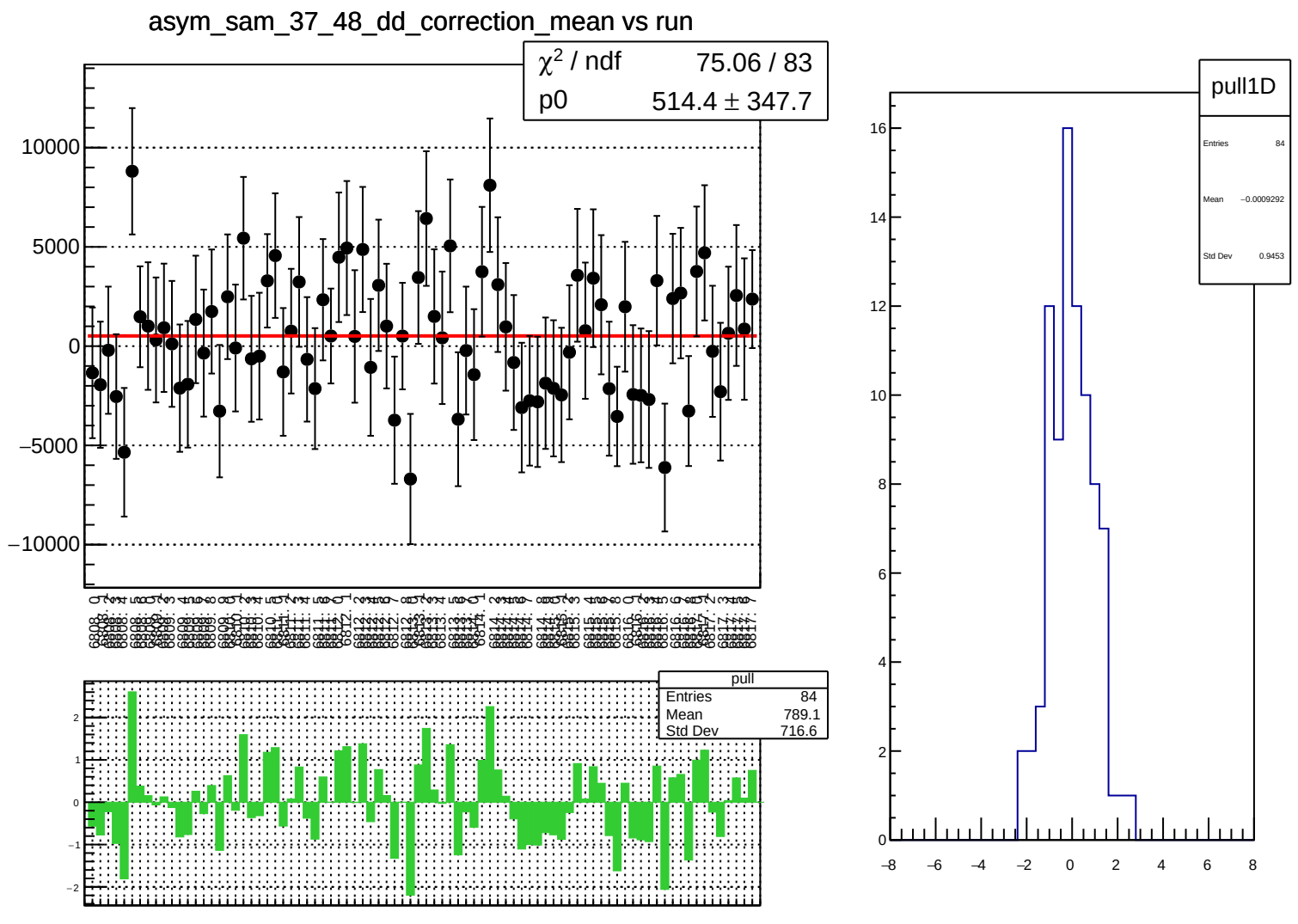

pull1D
Entries 84
Mean −0.007323
Std Dev 1.21
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

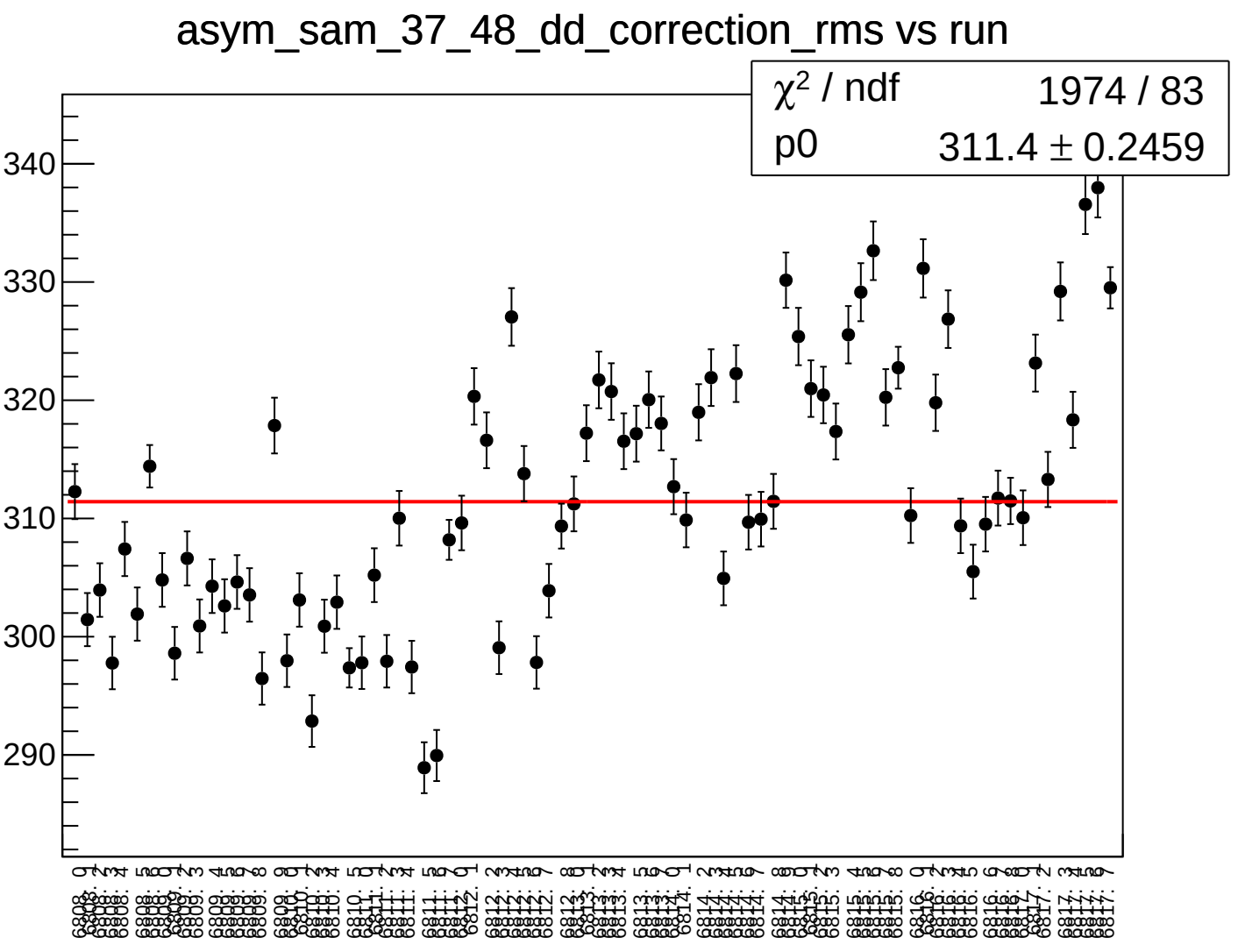

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2519 / 83
p0 482.4 ± 0.3809
530
520
510
500
490
480
470
460
450
440

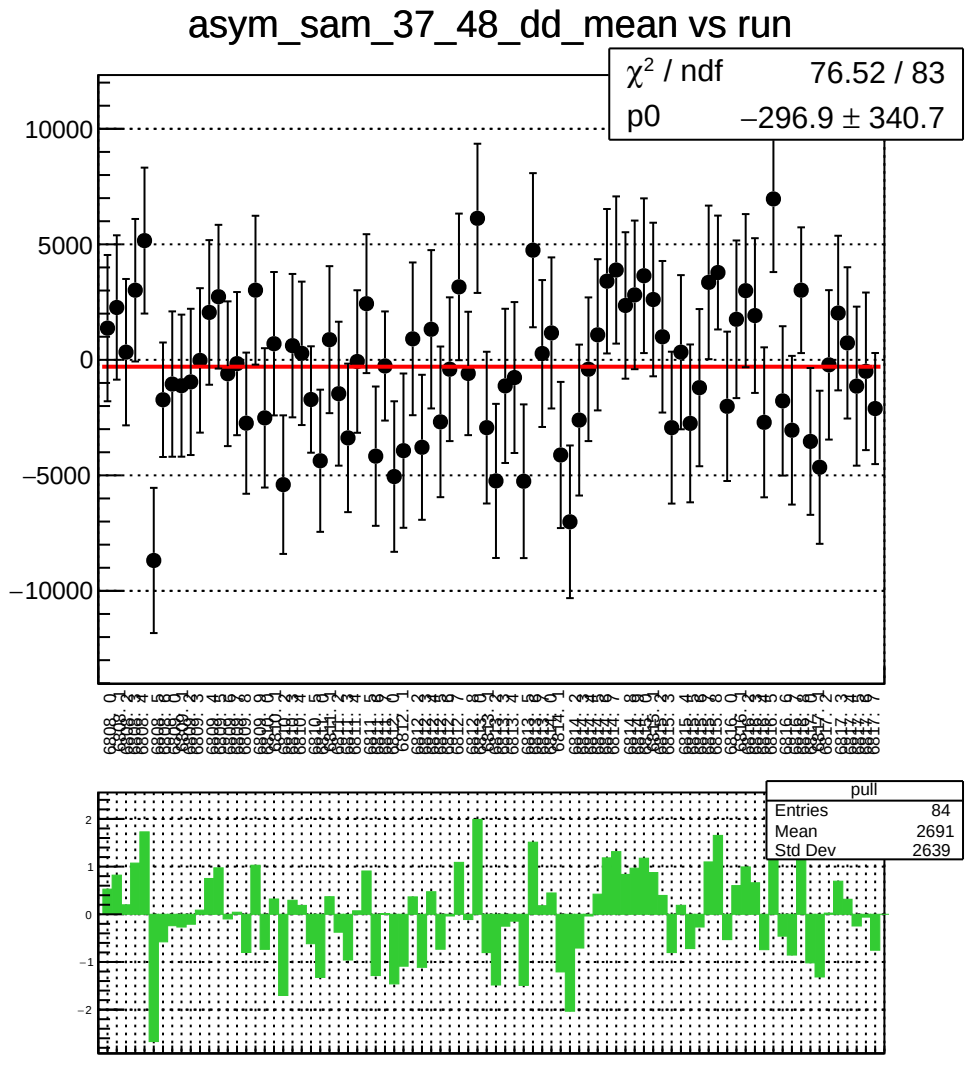

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 75.64 / 83
p0 220.6 ± 74.28
pull
Entries 84
Mean −1437
Std Dev 1477

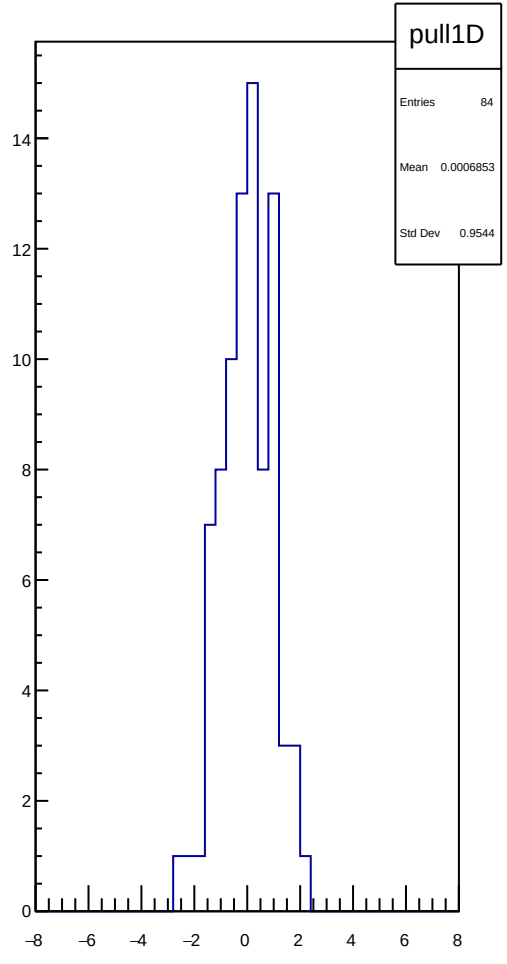

pull1D
Entries 84
Mean −0.003459
Std Dev 0.9489

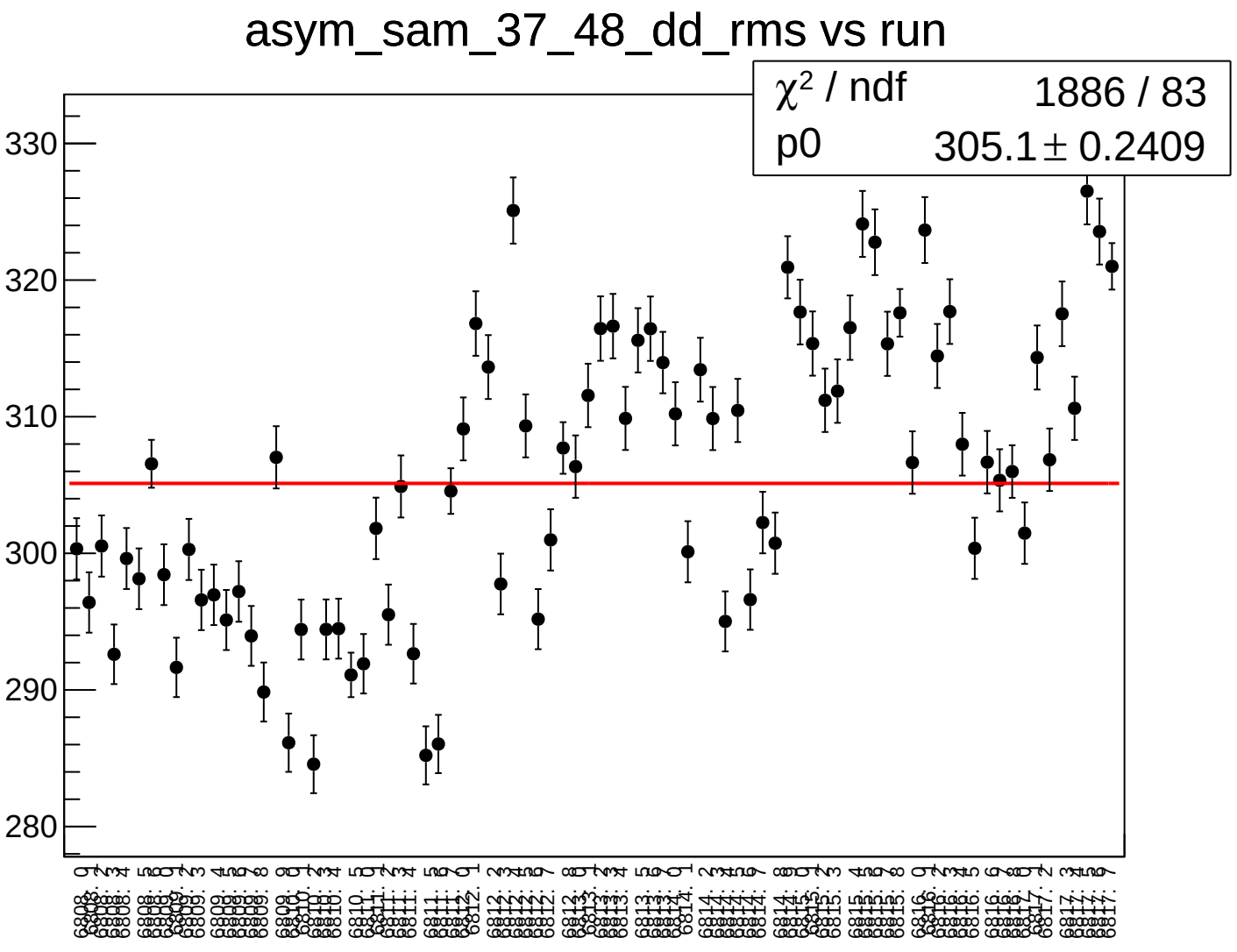

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 272.5 / 83
p0 66.56 ± 0.05252
69
68
67
66
65
64

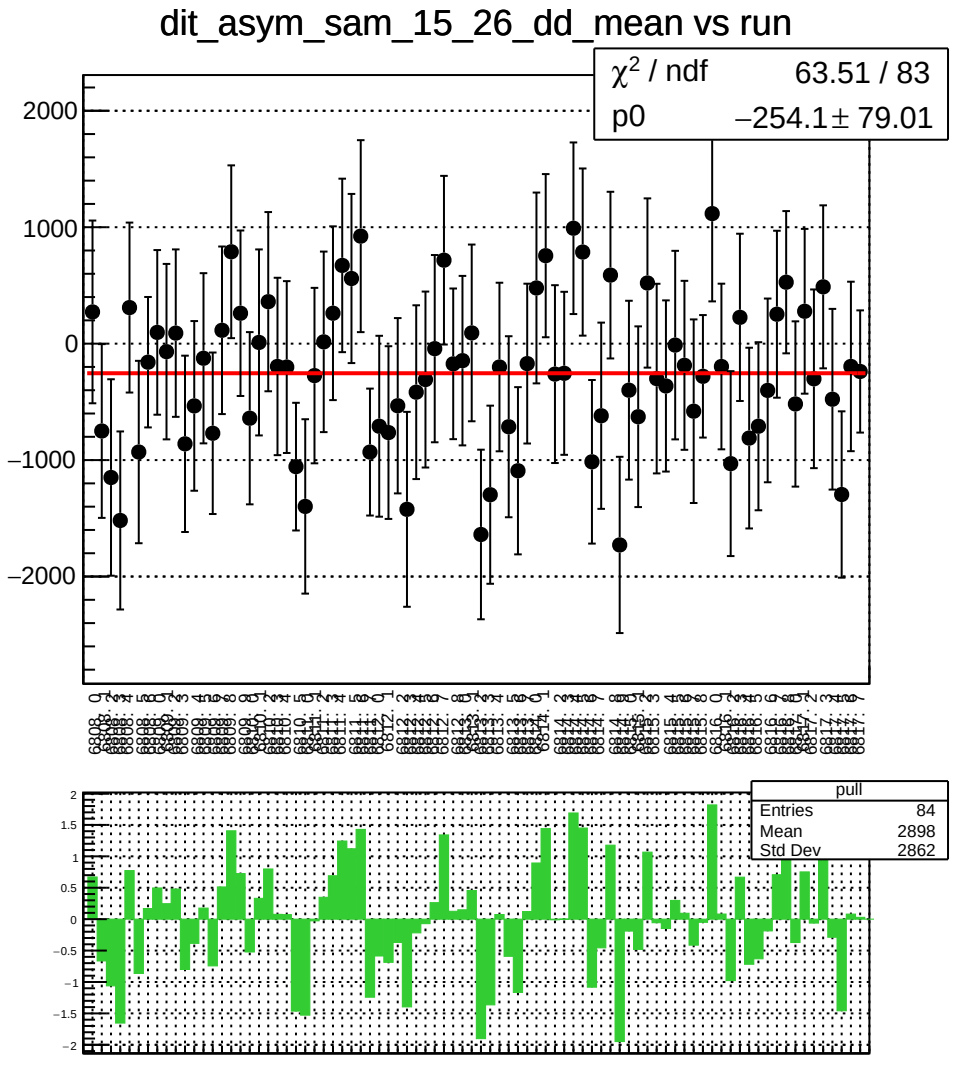

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 75.06 / 83
p0 514.4 ± 347.7
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 789.1
Std Dev 716.6
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.0009292
Std Dev 0.9453
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

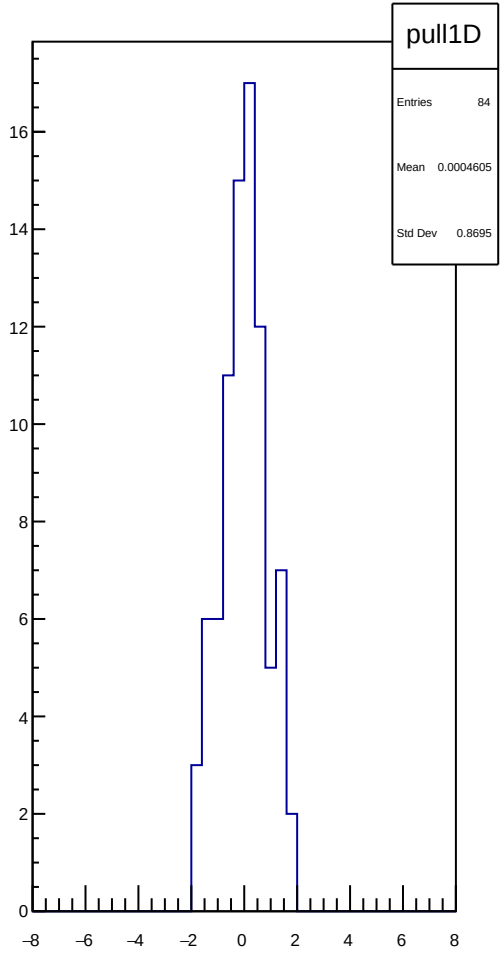

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1974 / 83
p0 311.4 ± 0.2459
340
330
320
310
300
290

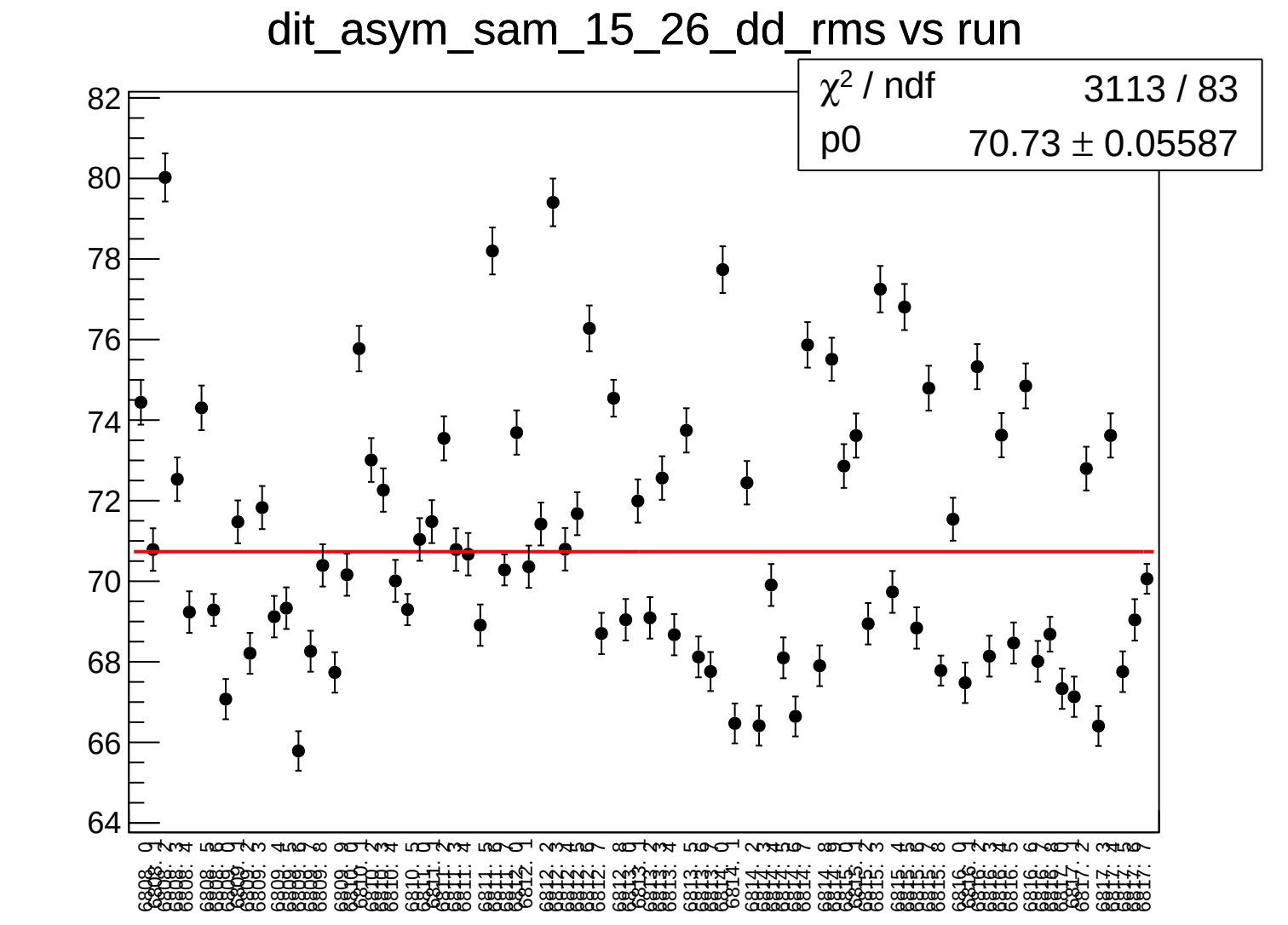

asym_sam_37_48_dd_mean vs run
χ² / ndf 76.52 / 83
p0 −296.9 ± 340.7
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 2691
Std Dev 2639
2
1
0
−1
−2

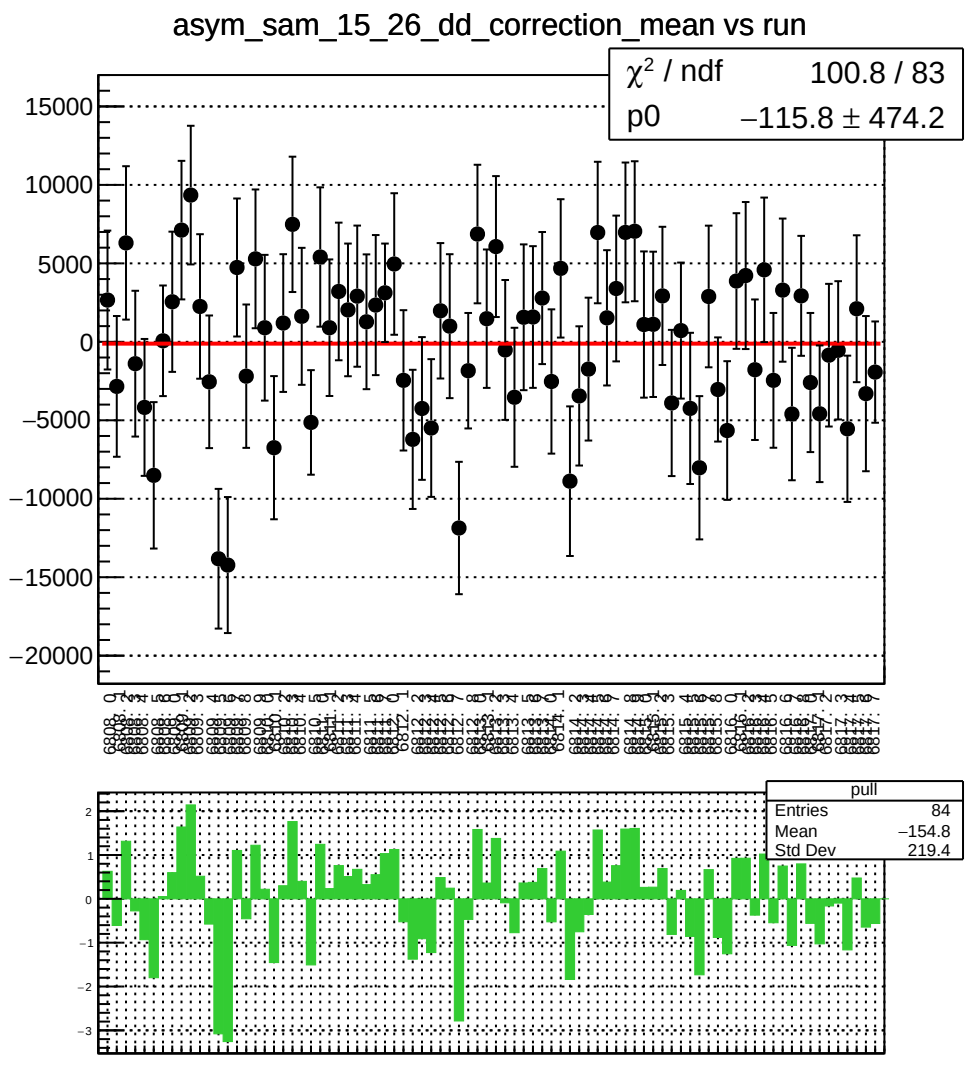

pull1D
Entries 84
Mean 0.0006853
Std Dev 0.9544
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

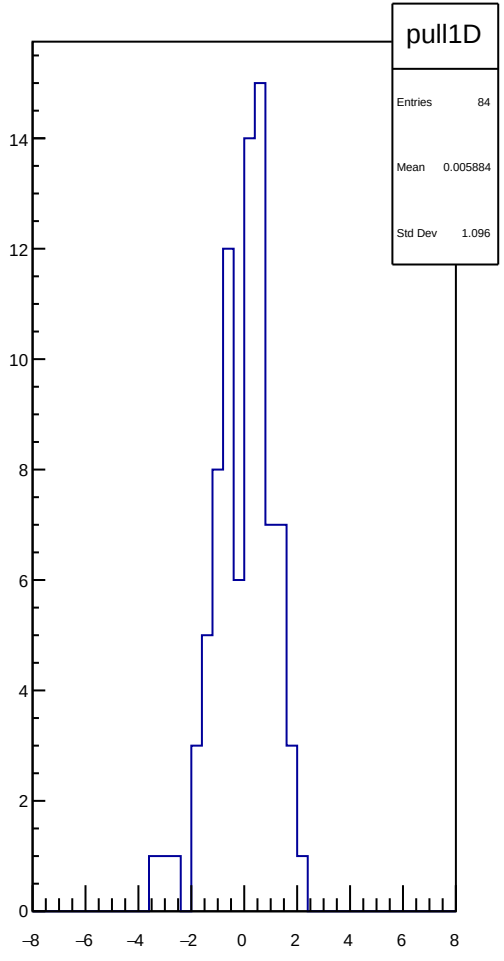

asym_sam_37_48_dd_rms vs run
χ² / ndf 1886 / 83
p0 305.1 ± 0.2409
330
320
310
300
290
280

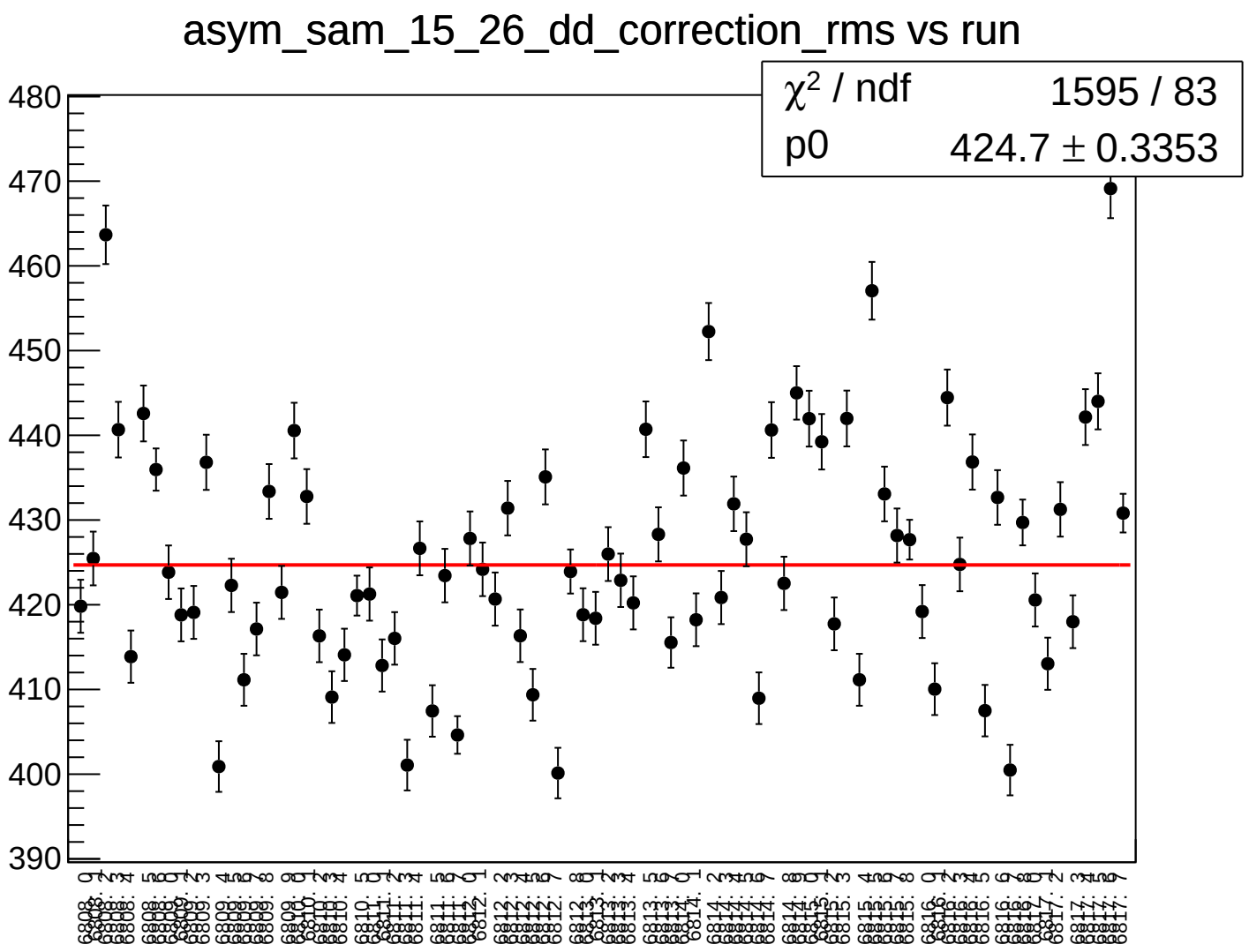

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 63.51 / 83
p0 −254.1 ± 79.01
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 2898
Std Dev 2862
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

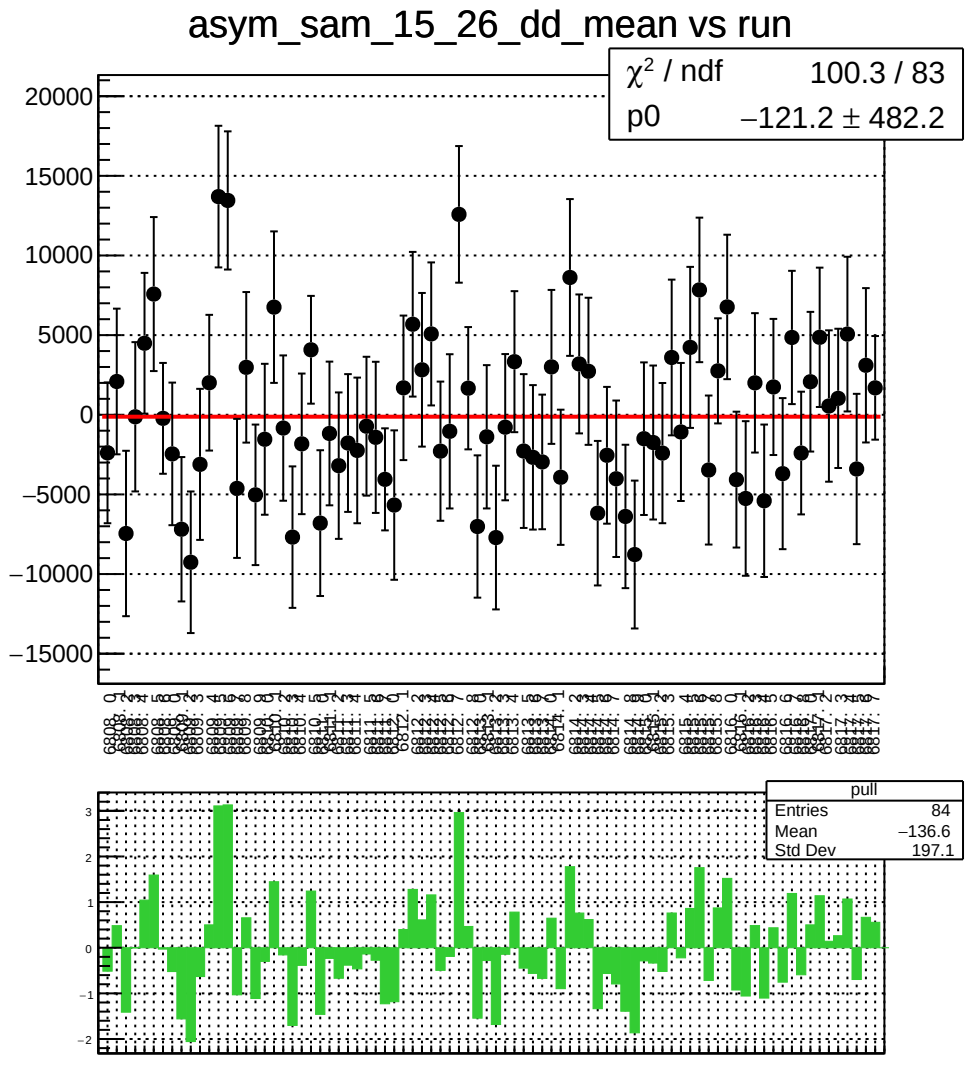

pull1D
Entries 84
Mean 0.0004605
Std Dev 0.8695
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

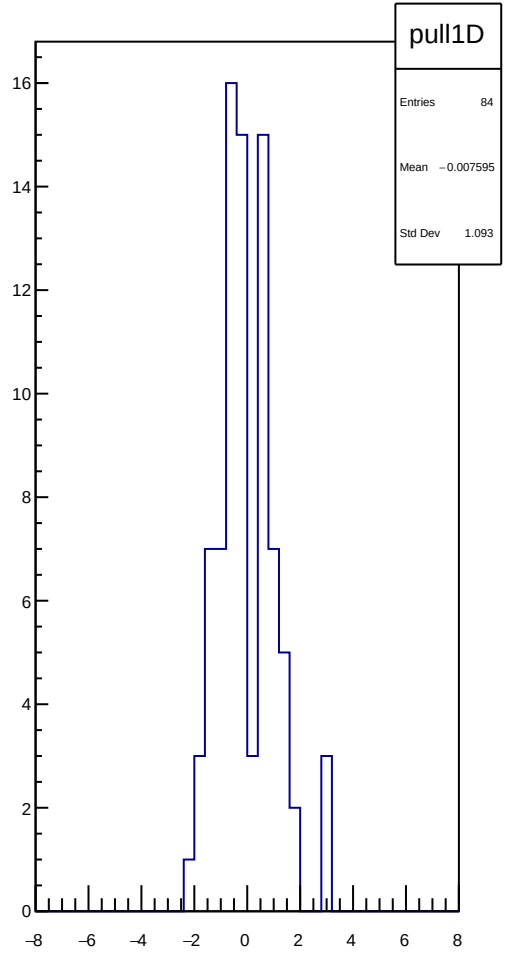

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 3113 / 83
p0 70.73 ± 0.05587
82
80
78
76
74
72
70
68
66
64

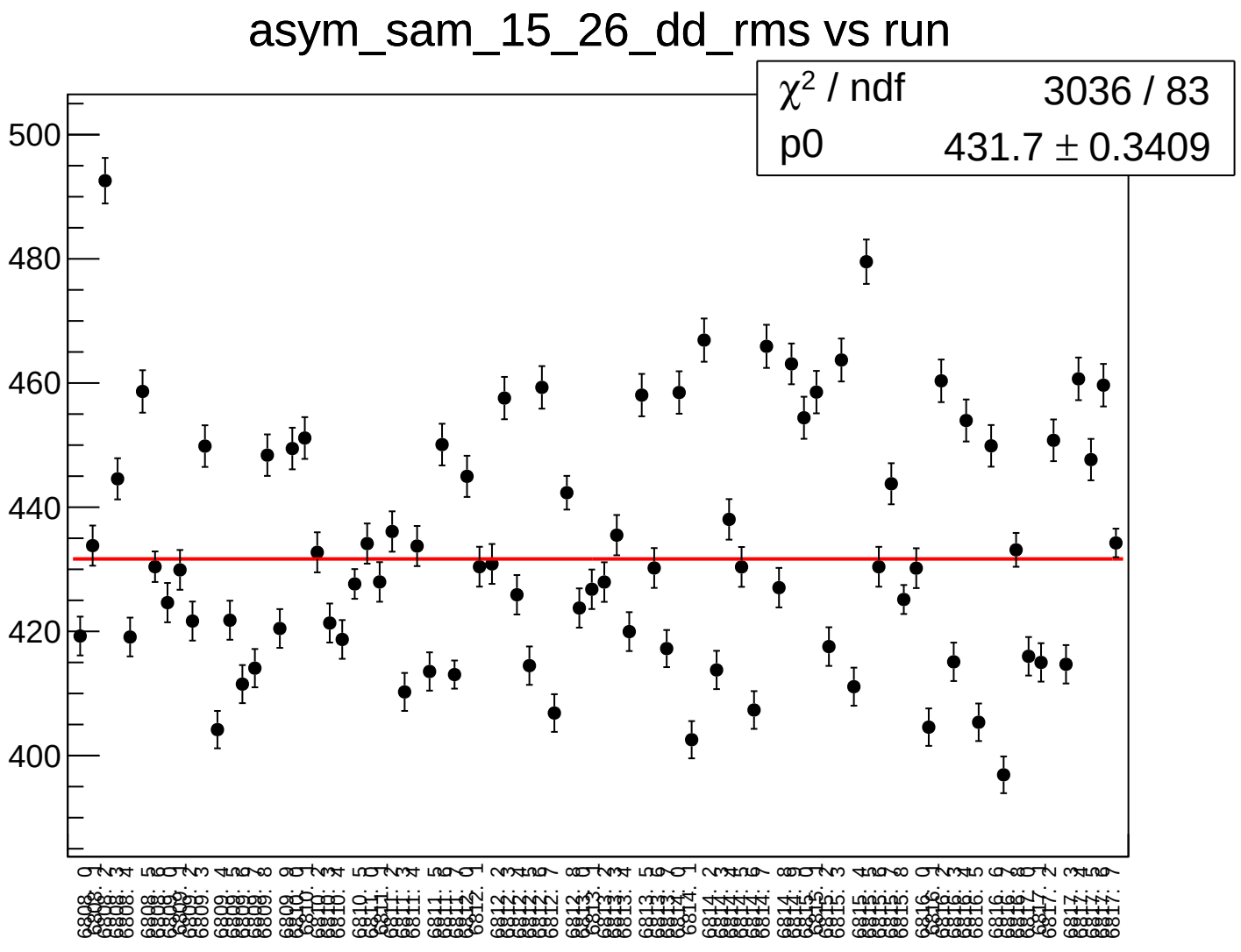

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 100.8 / 83
p0 −115.8 ± 474.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 84
Mean −154.8
Std Dev 219.4
2
1
0
−1
−2
−3

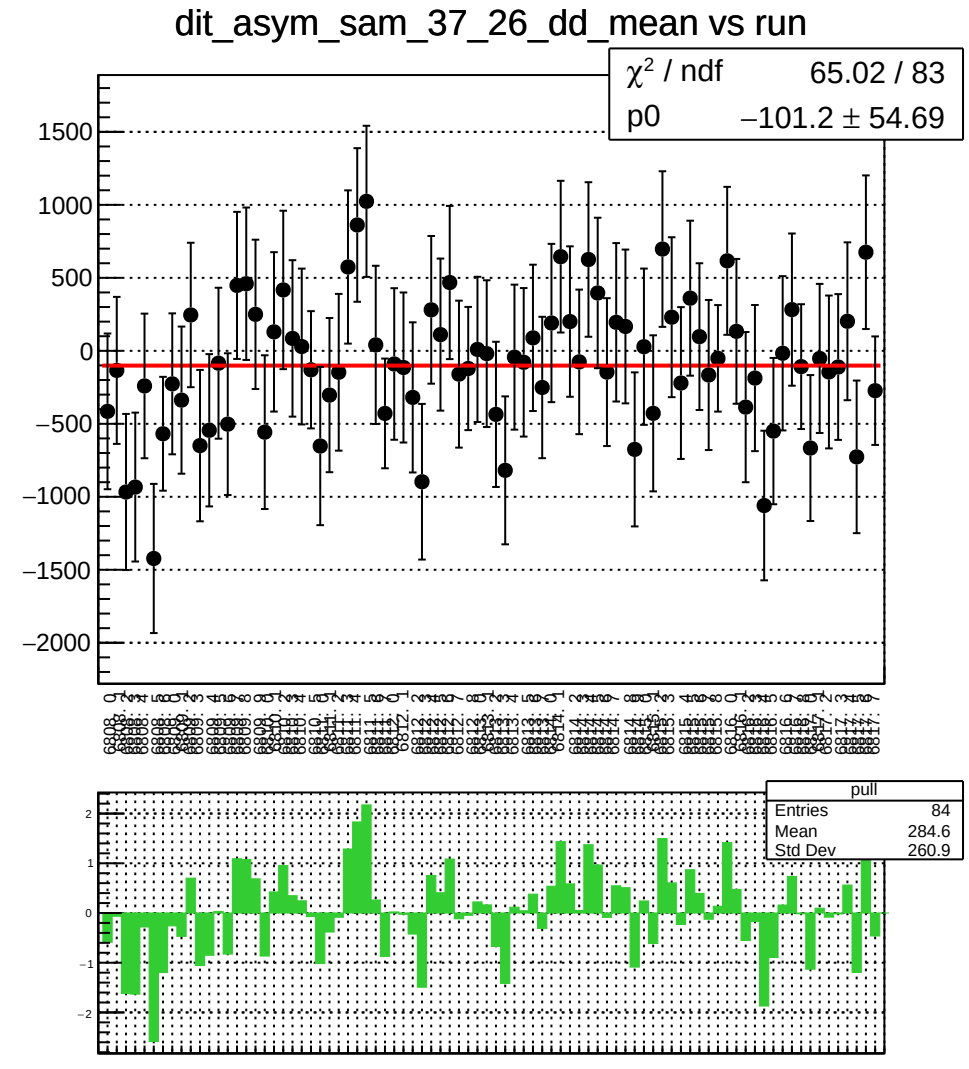

pull1D
Entries 84
Mean 0.005884
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

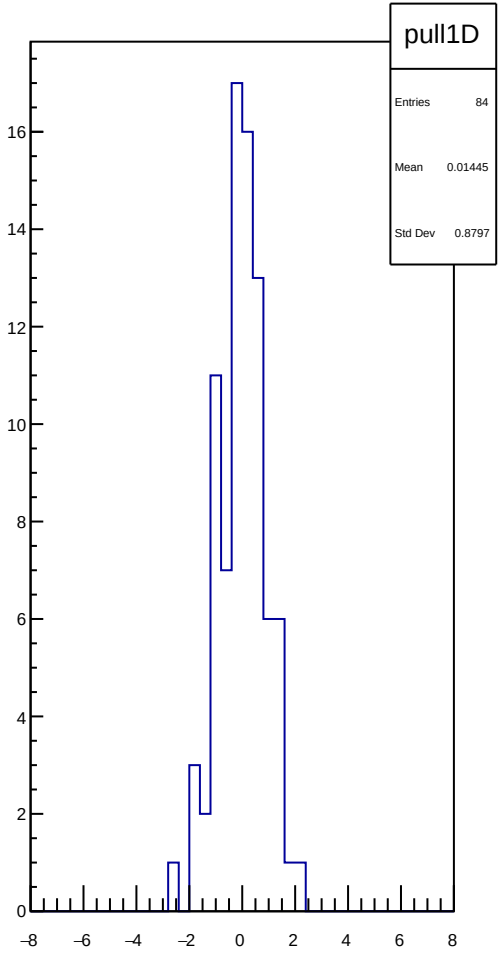

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 1595 / 83
p0 424.7 ± 0.3353
480
470
460
450
440
430
420
410
400
390

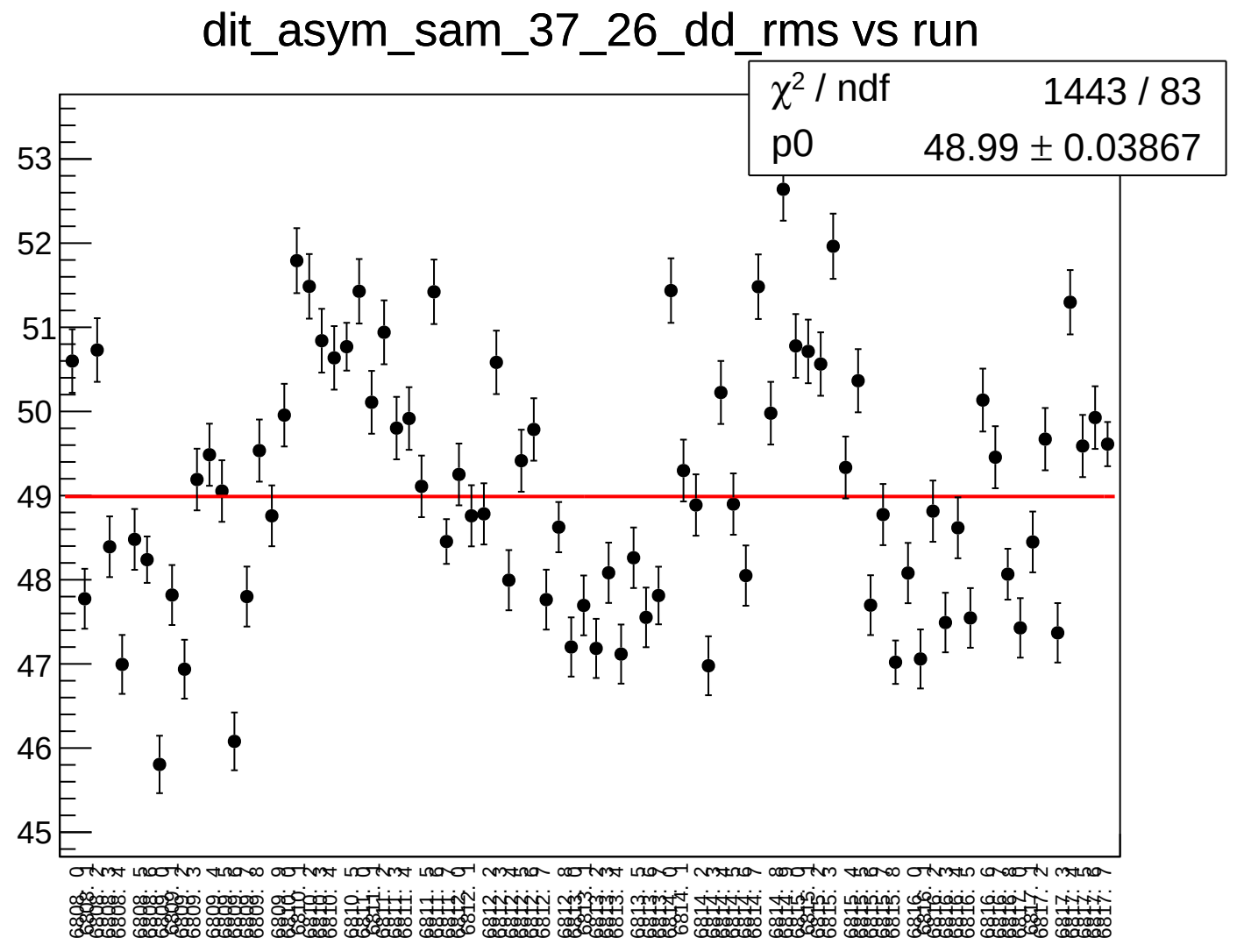

asym_sam_15_26_dd_mean vs run
χ² / ndf 100.3 / 83
p0 −121.2 ± 482.2
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −136.6
Std Dev 197.1
3
2
1
0
−1
−2

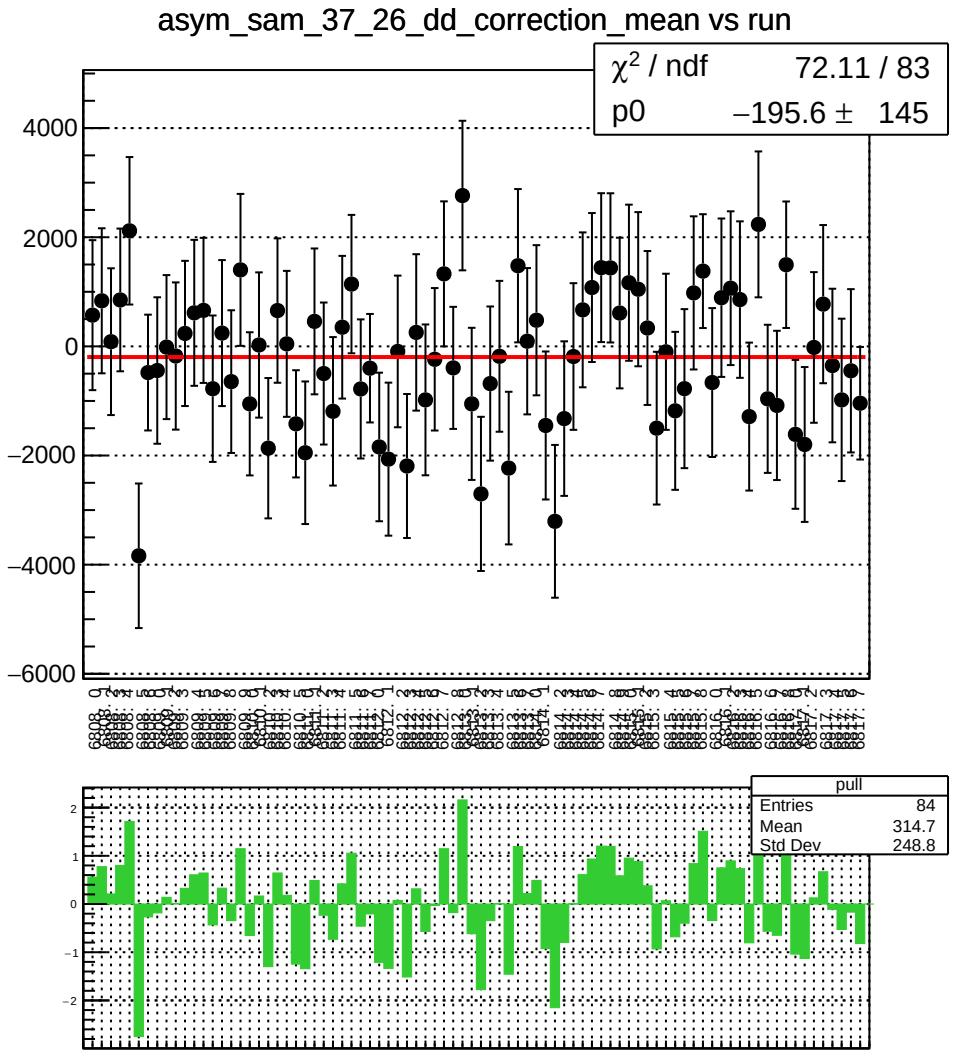

pull1D
Entries 84
Mean −0.007595
Std Dev 1.093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

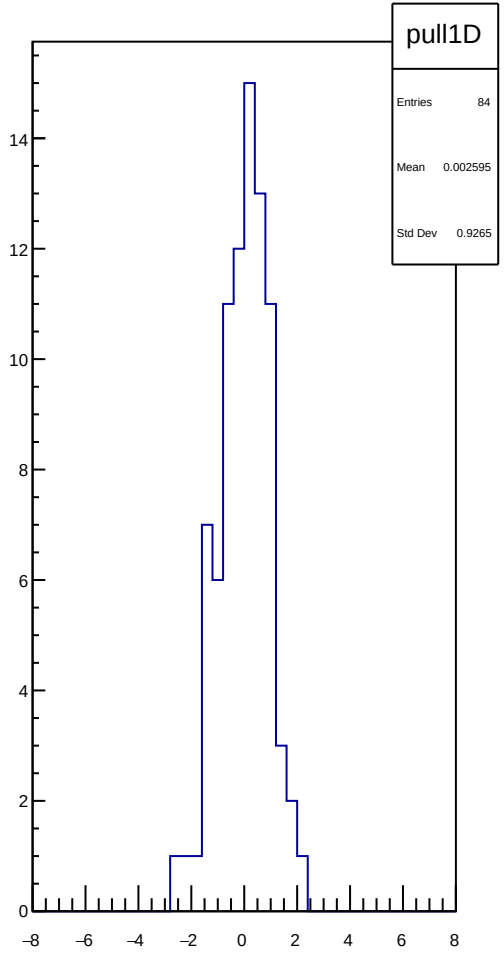

asym_sam_15_26_dd_rms vs run
χ² / ndf 3036 / 83
p0 431.7 ± 0.3409
500
480
460
440
420
400

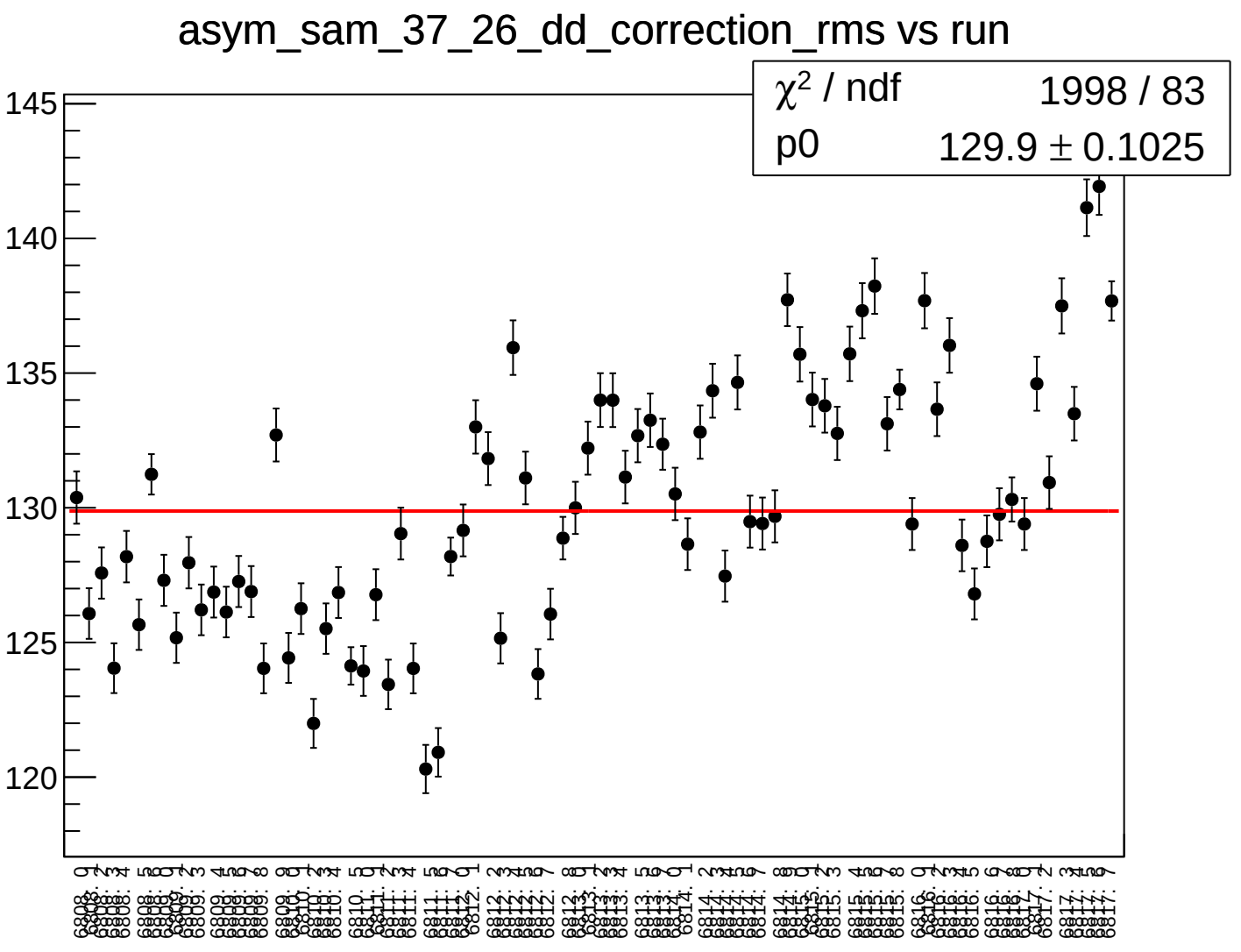

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 65.02 / 83
p0 −101.2 ± 54.69
pull
Entries 84
Mean 284.6
Std Dev 260.9

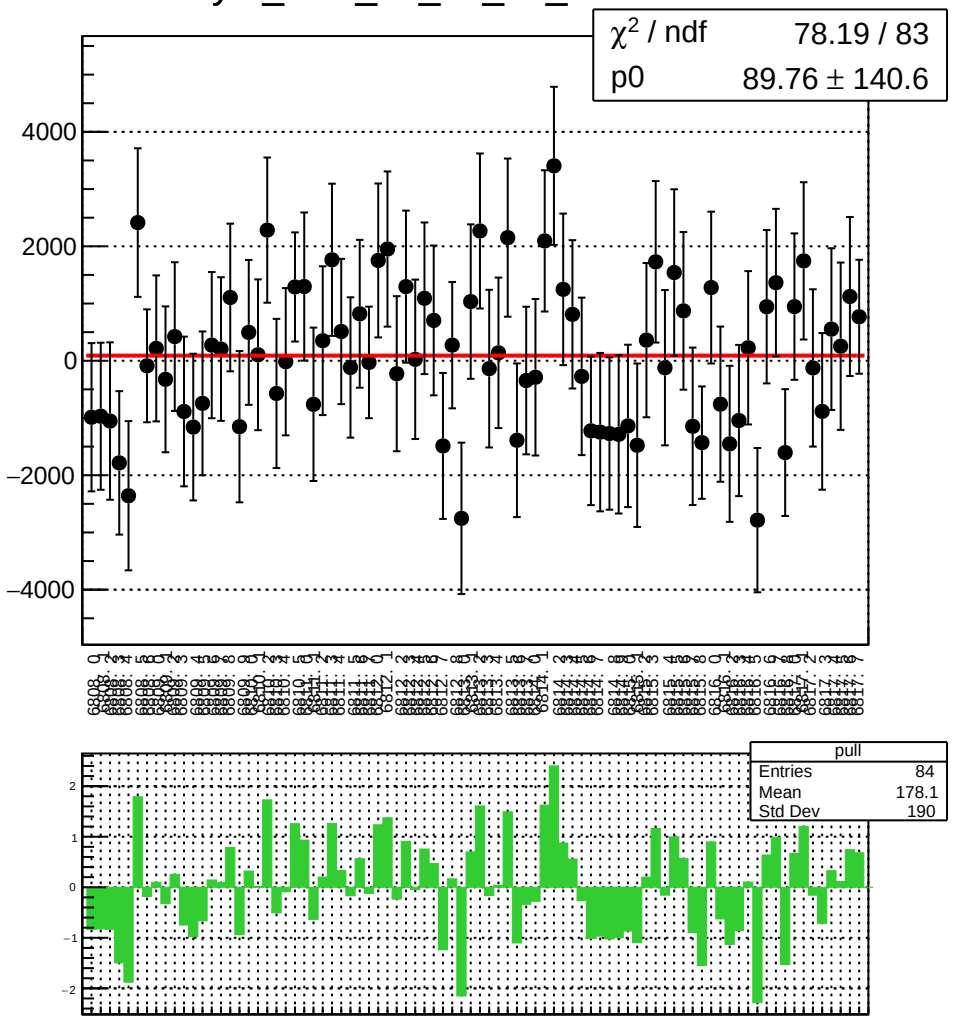

pull1D
Entries 84
Mean 0.01445
Std Dev 0.8797

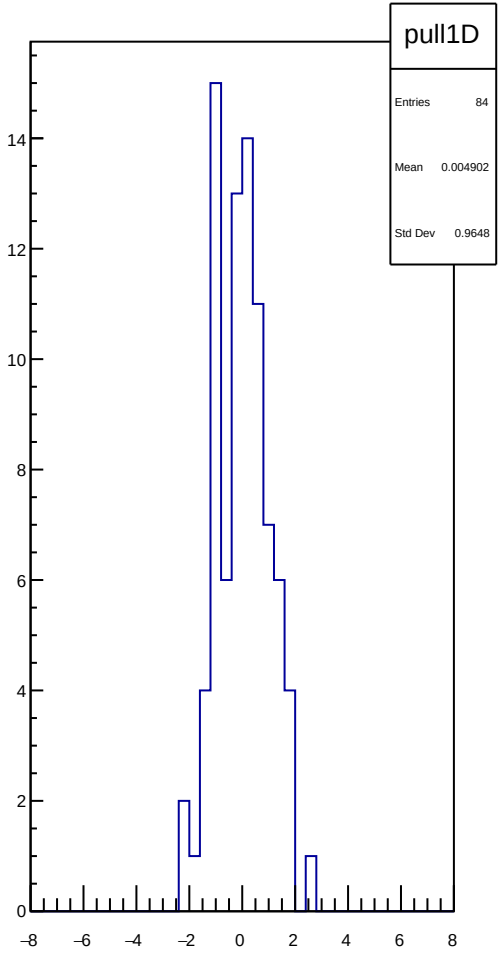

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1443 / 83
p0 48.99 ± 0.03867
53
52
51
50
49
48
47
46
45

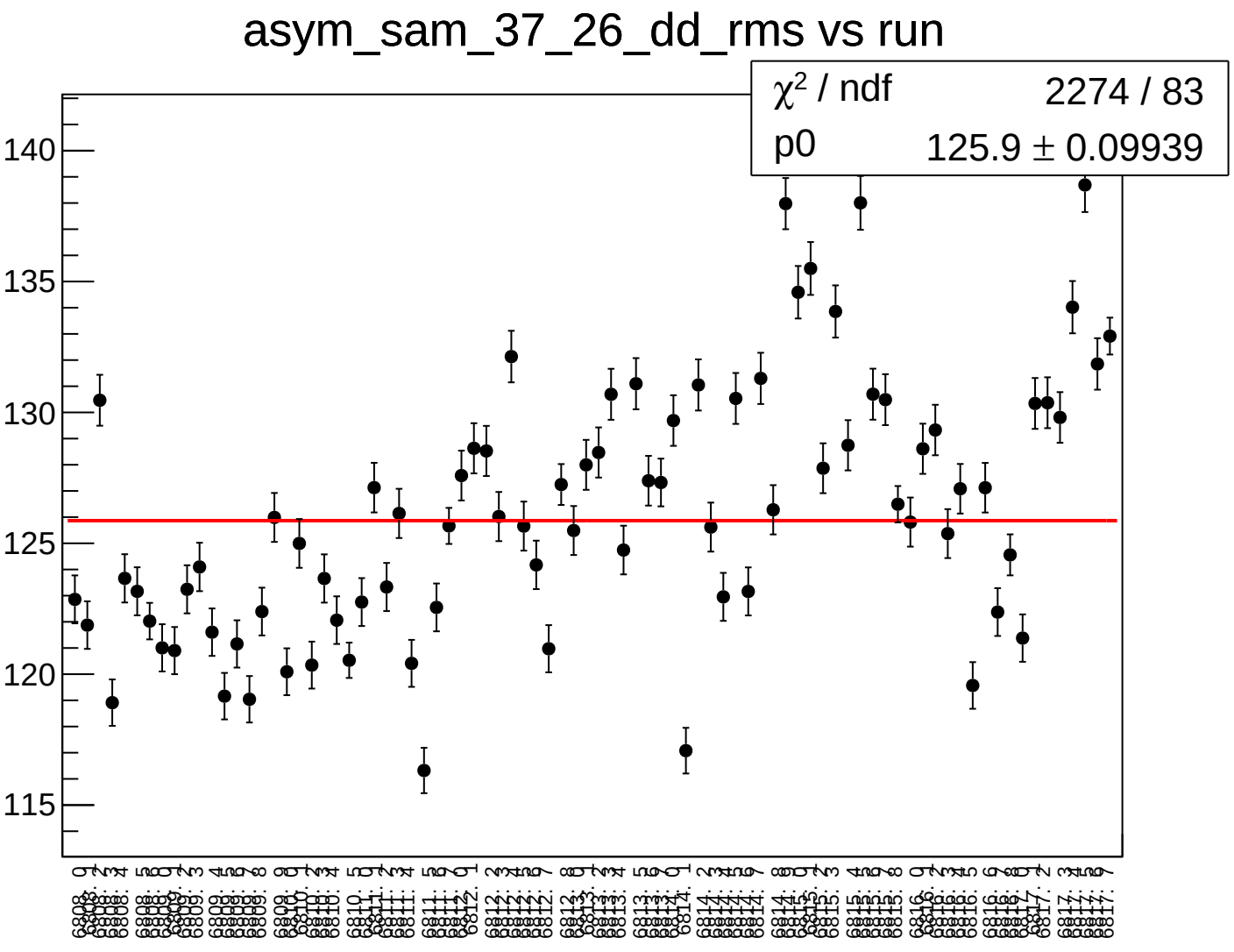

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 72.11 / 83
p0 −195.6 ± 145
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 314.7
Std Dev 248.8
2
1
0
−1
−2

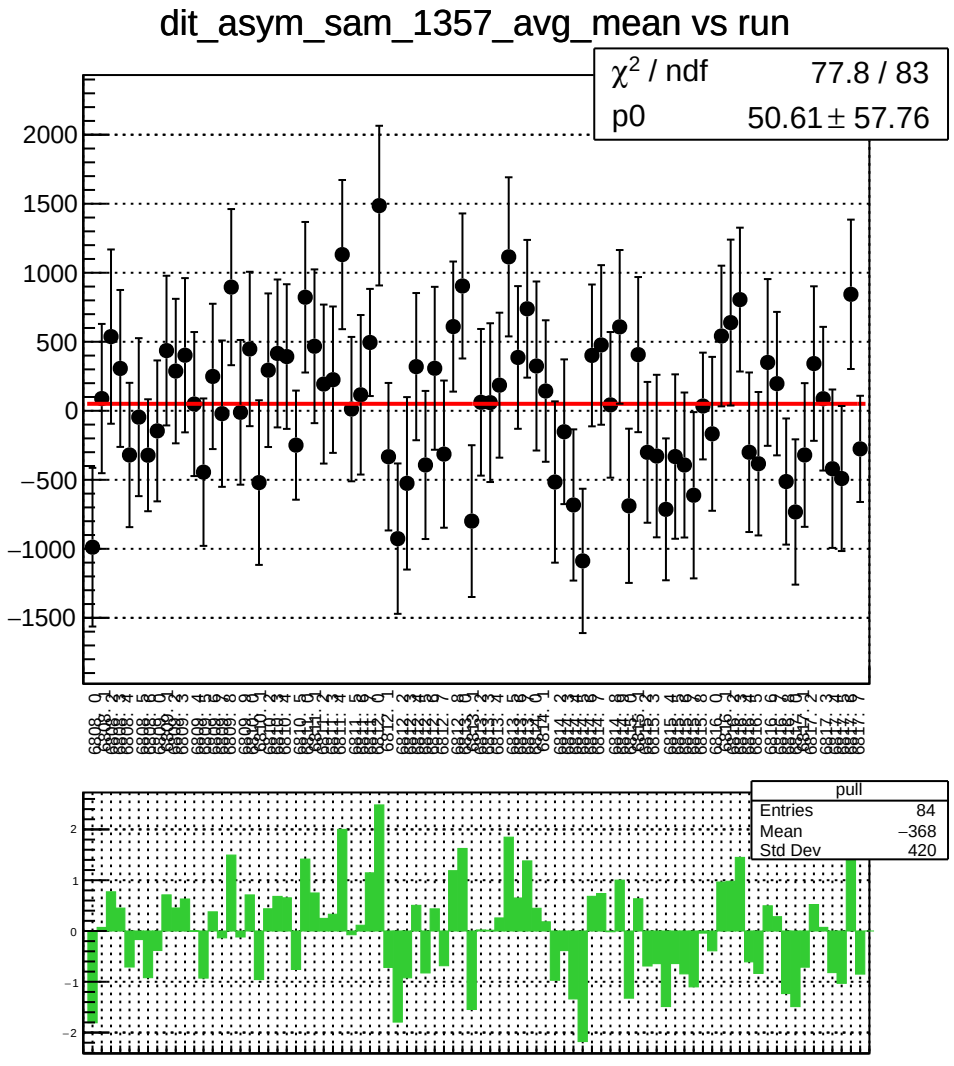

pull1D
Entries 84
Mean 0.002595
Std Dev 0.9265
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

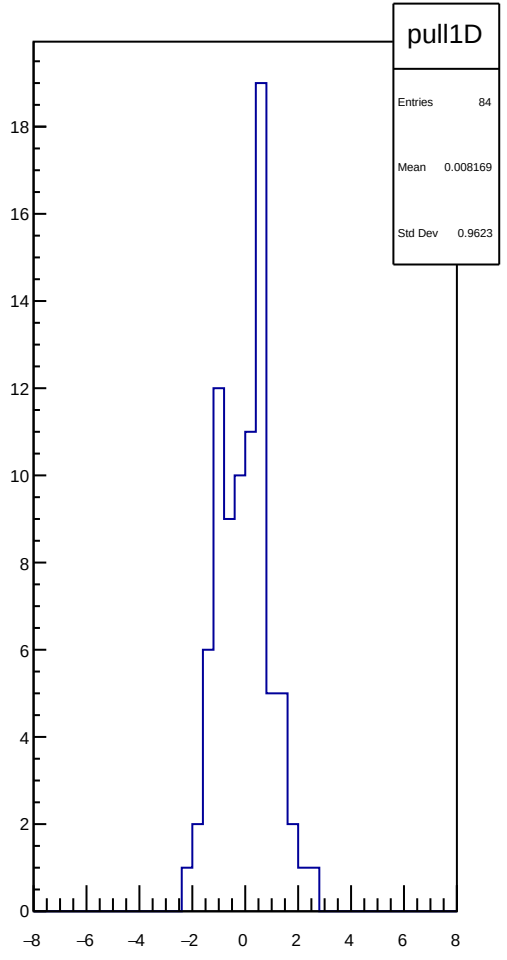

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1998 / 83
p0 129.9 ± 0.1025
145
140
135
130
125
120

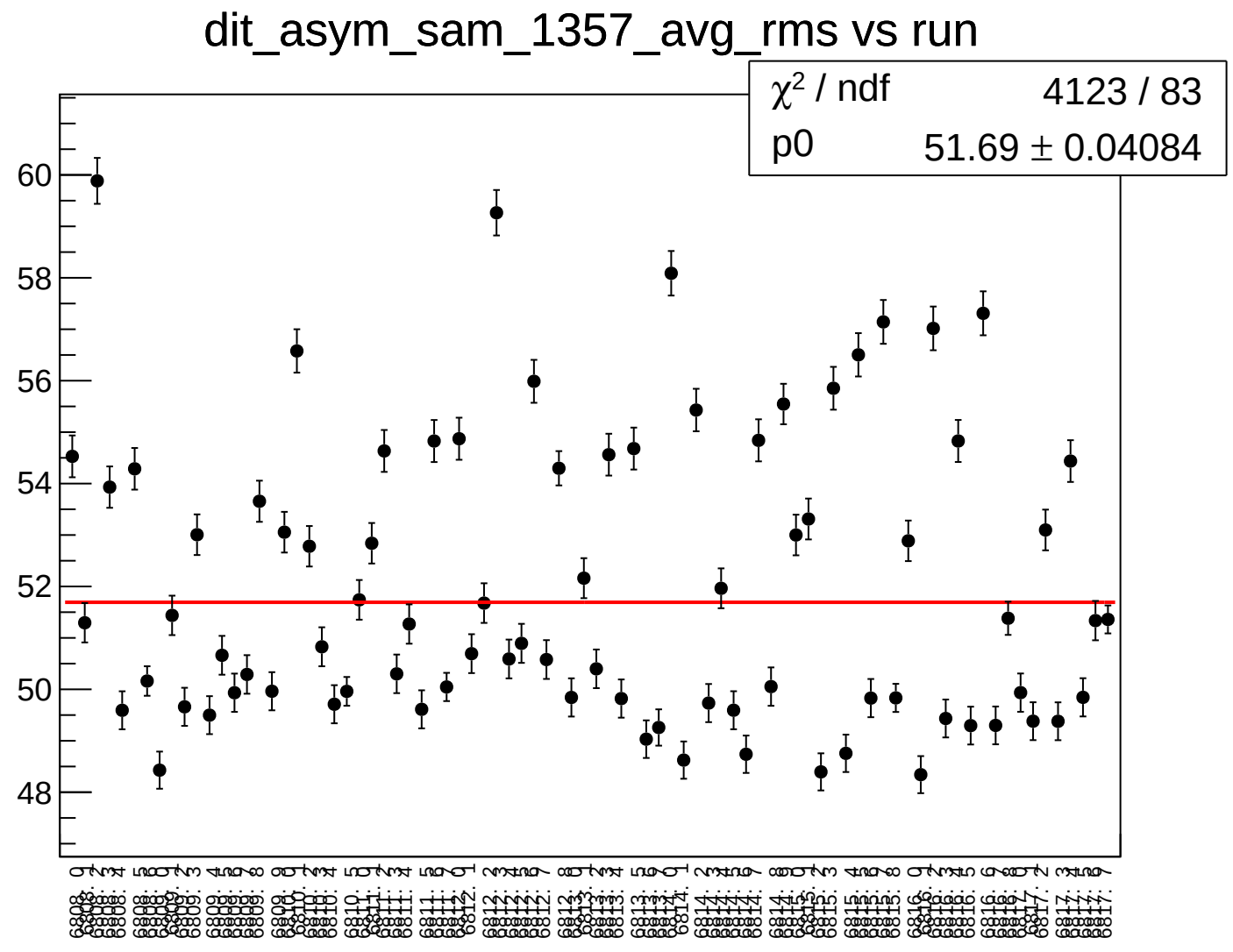

asym_sam_37_26_dd_mean vs run
χ² / ndf 78.19 / 83
p0 89.76 ± 140.6
4000
2000
0
−2000
−4000
pull
Entries 84
Mean 178.1
Std Dev 190
2
1
0
−1
−2

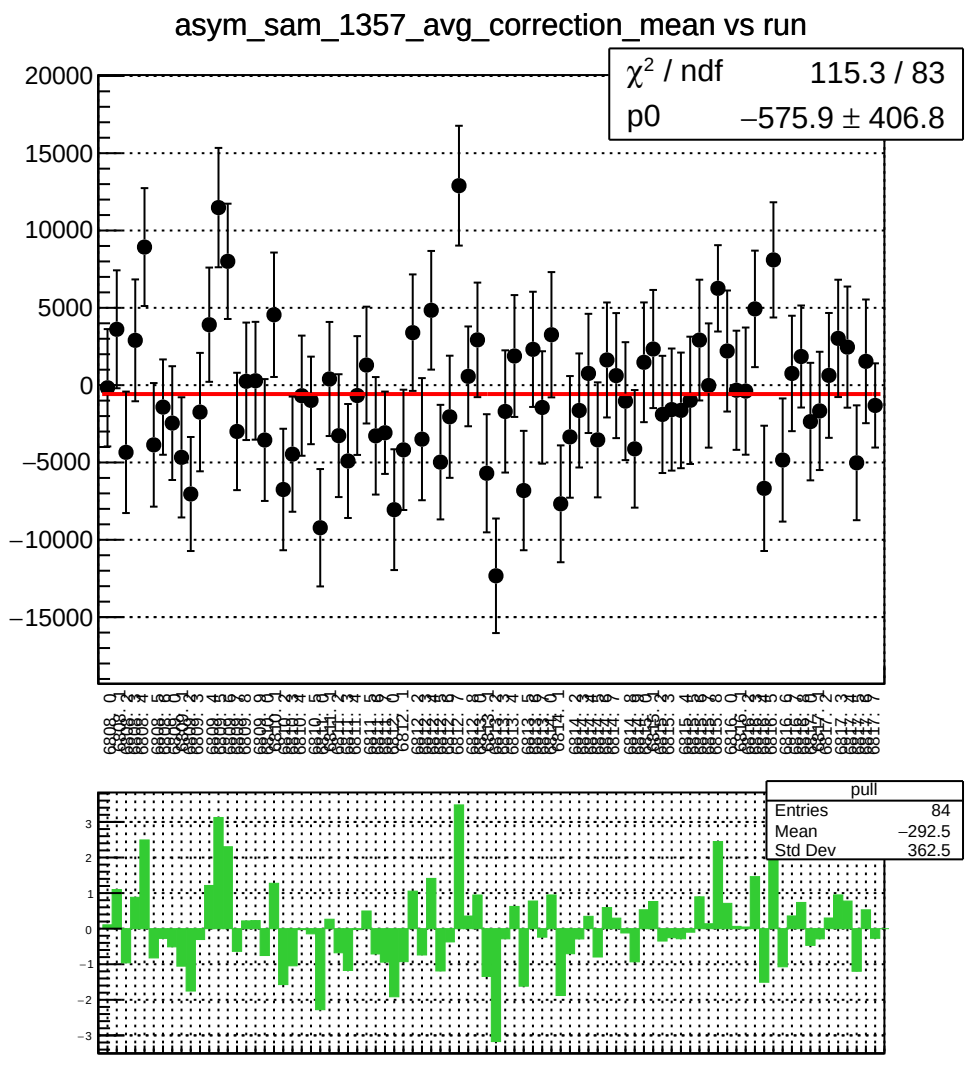

pull1D
Entries 84
Mean 0.004902
Std Dev 0.9648
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

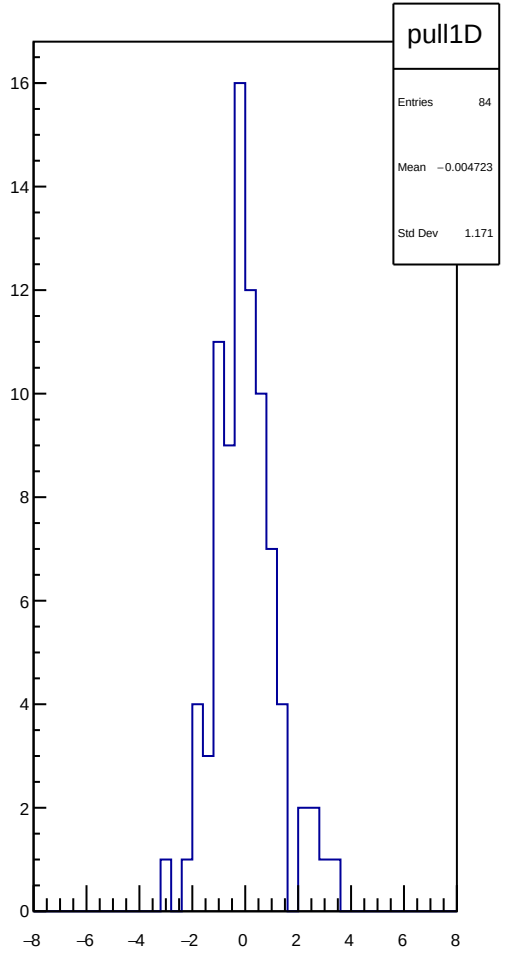

asym_sam_37_26_dd_rms vs run
χ² / ndf 2274 / 83
p0 125.9 ± 0.09939
140
135
130
125
120
115

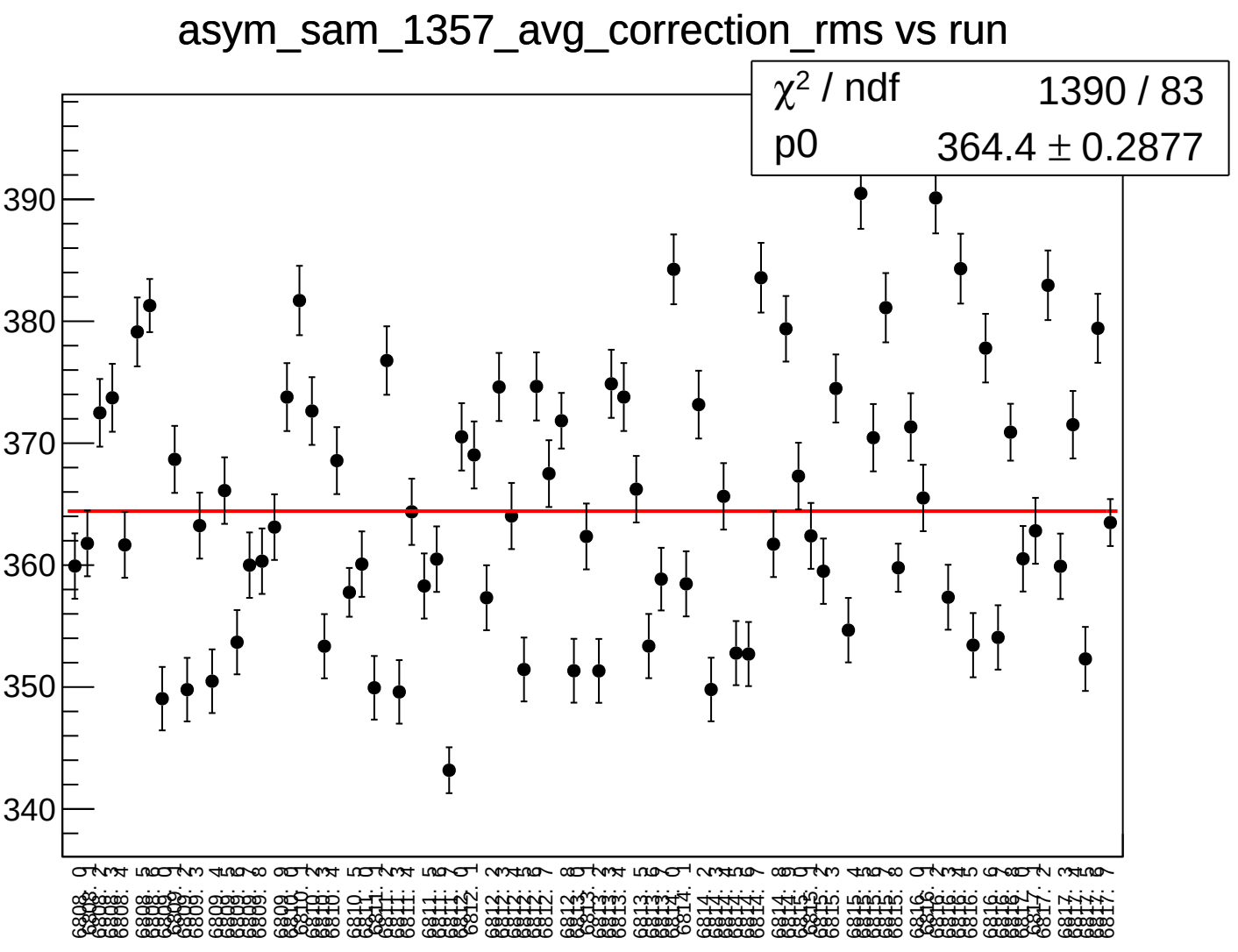

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 77.8 / 83
p0 50.61 ± 57.76
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 84
Mean −368
Std Dev 420
2
1
0
−1
−2

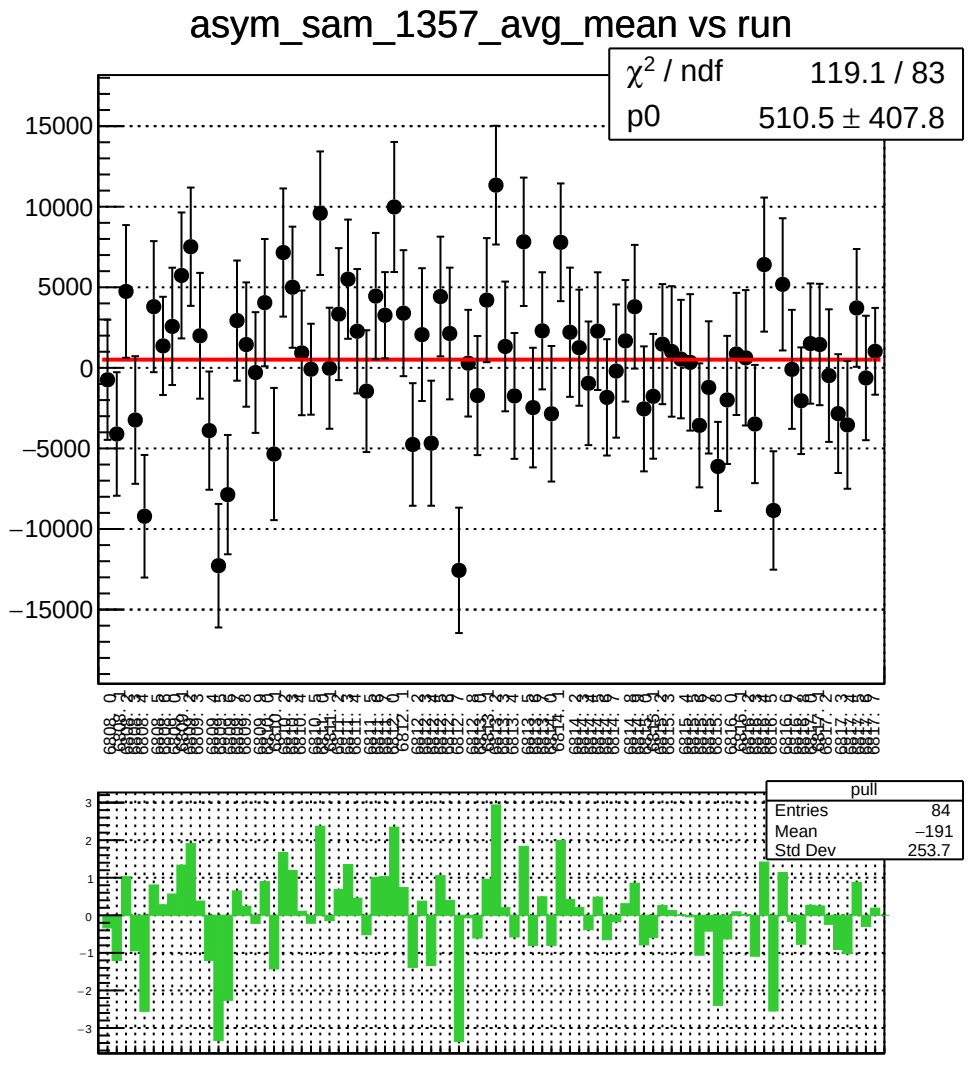

pull1D
Entries 84
Mean 0.008169
Std Dev 0.9623
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

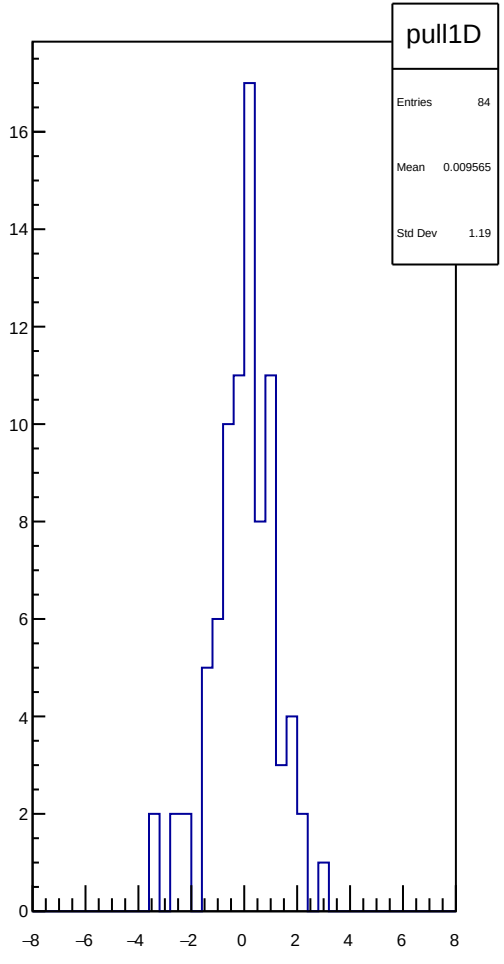

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 4123 / 83
p0 51.69 ± 0.04084
60
58
56
54
52
50
48

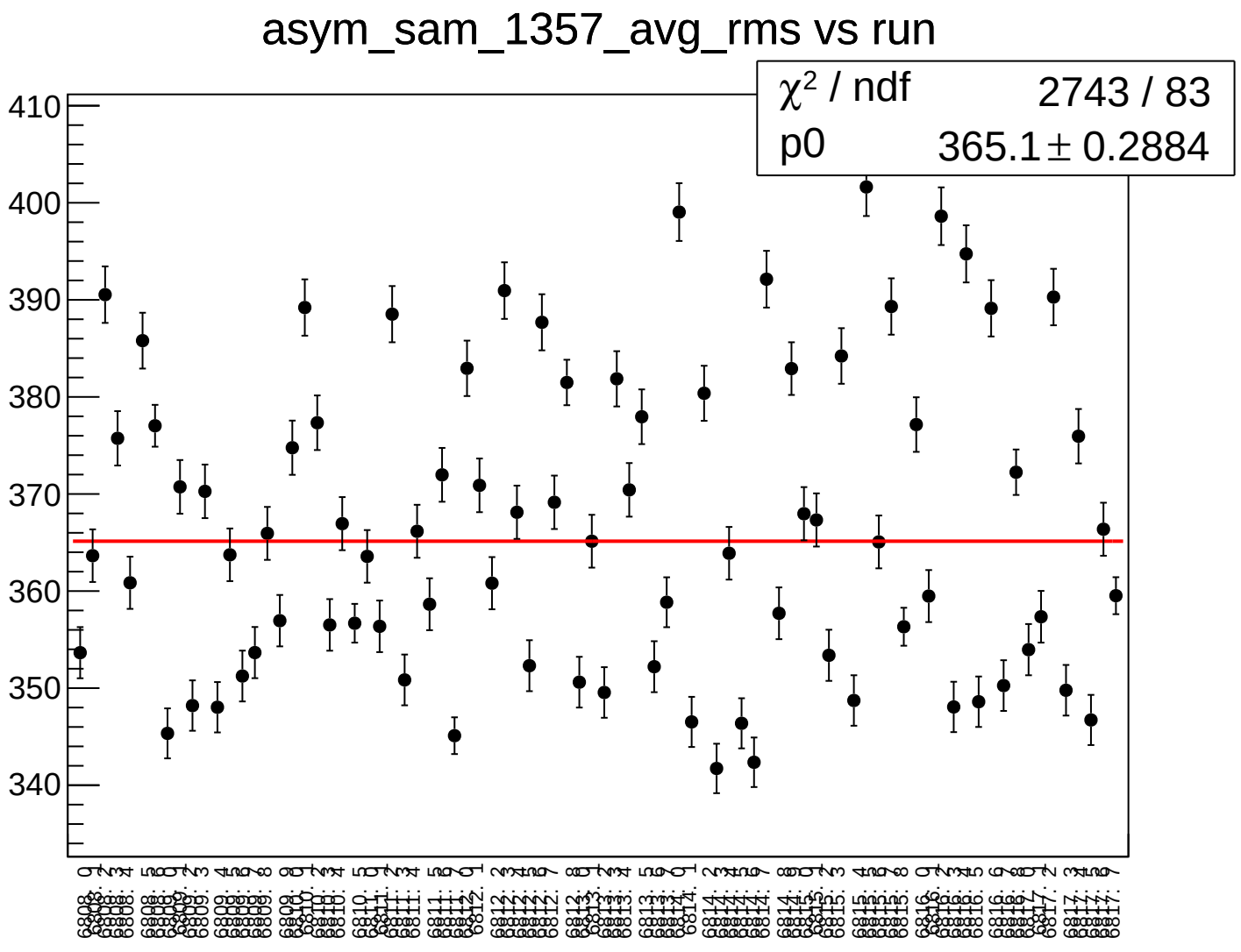

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 115.3 / 83
p0 −575.9 ± 406.8
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −292.5
Std Dev 362.5
3
2
1
0
−1
−2
−3

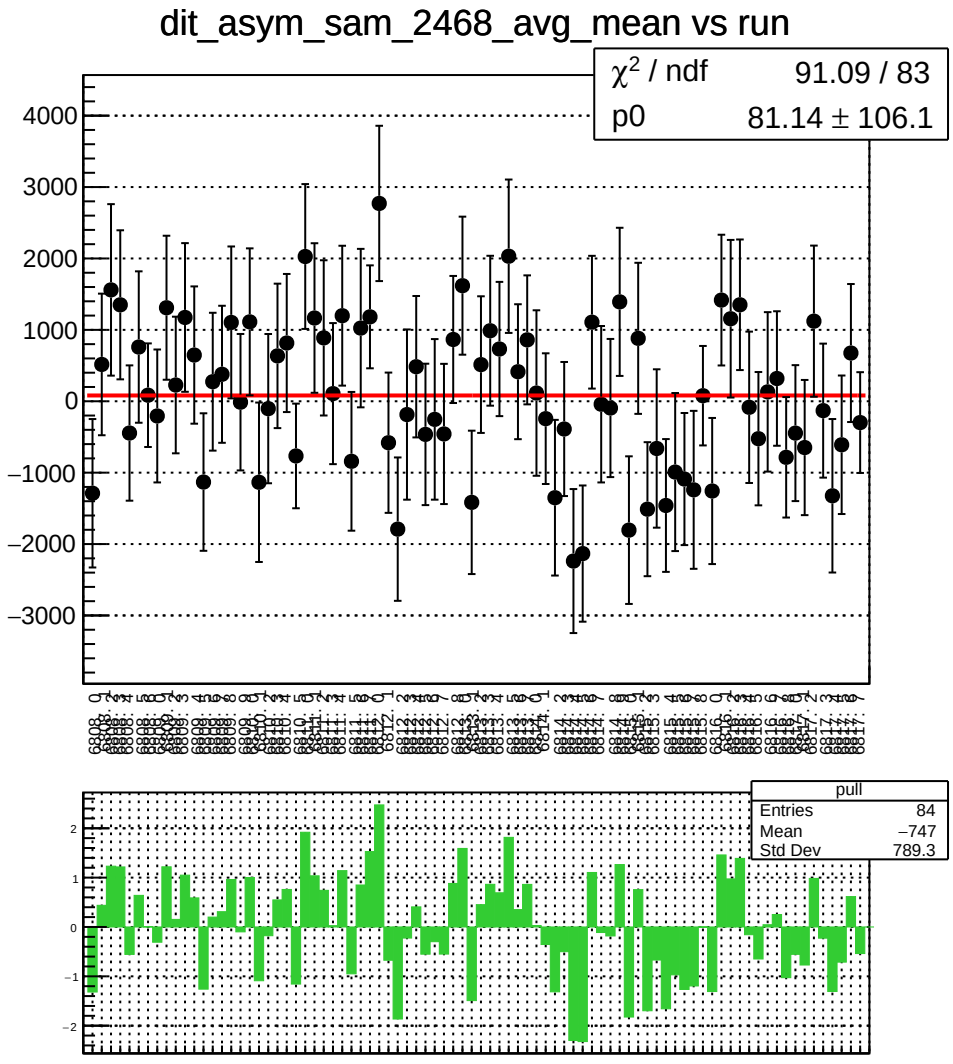

pull1D
Entries 84
Mean −0.004723
Std Dev 1.171
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

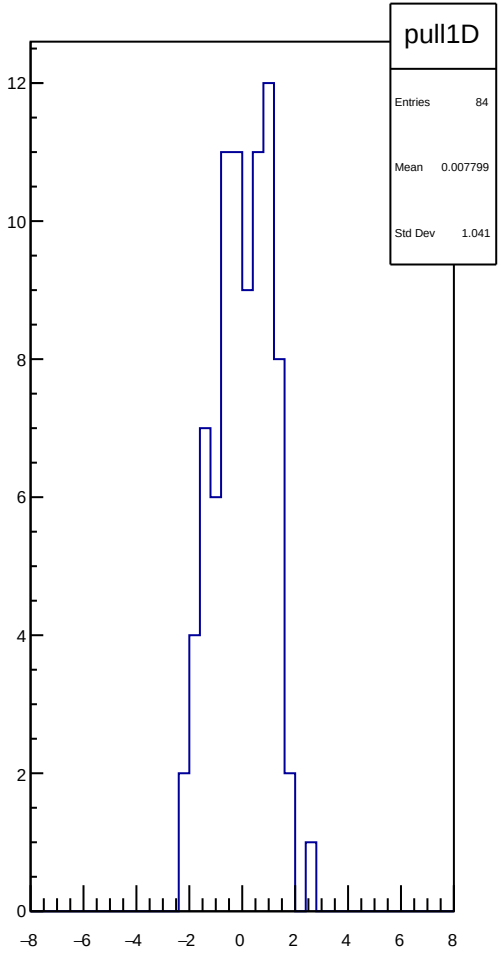

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1390 / 83
p0 364.4 ± 0.2877
390
380
370
360
350
340

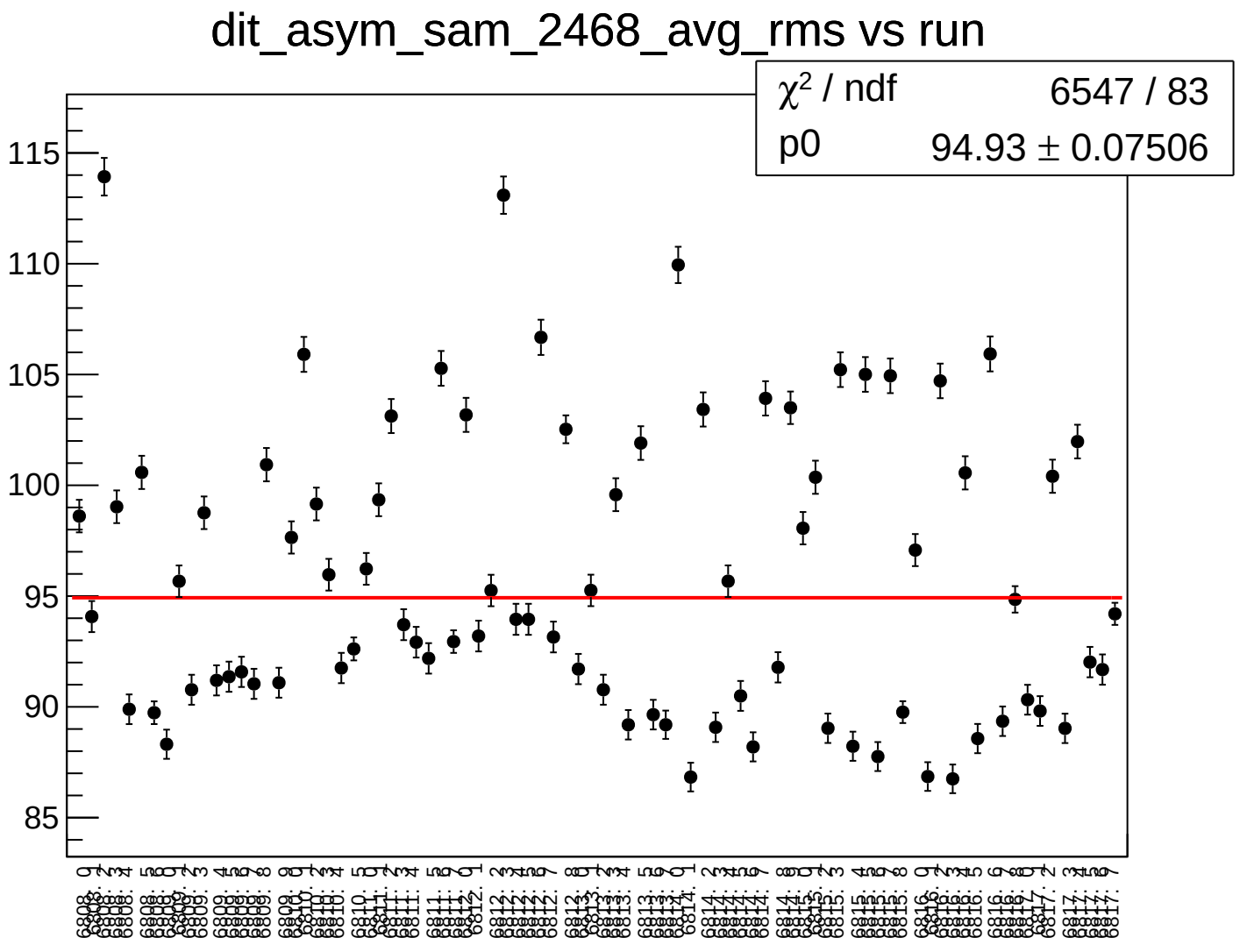

asym_sam_1357_avg_mean vs run
χ² / ndf 119.1 / 83
p0 510.5 ± 407.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −191
Std Dev 253.7
3
2
1
0
−1
−2
−3

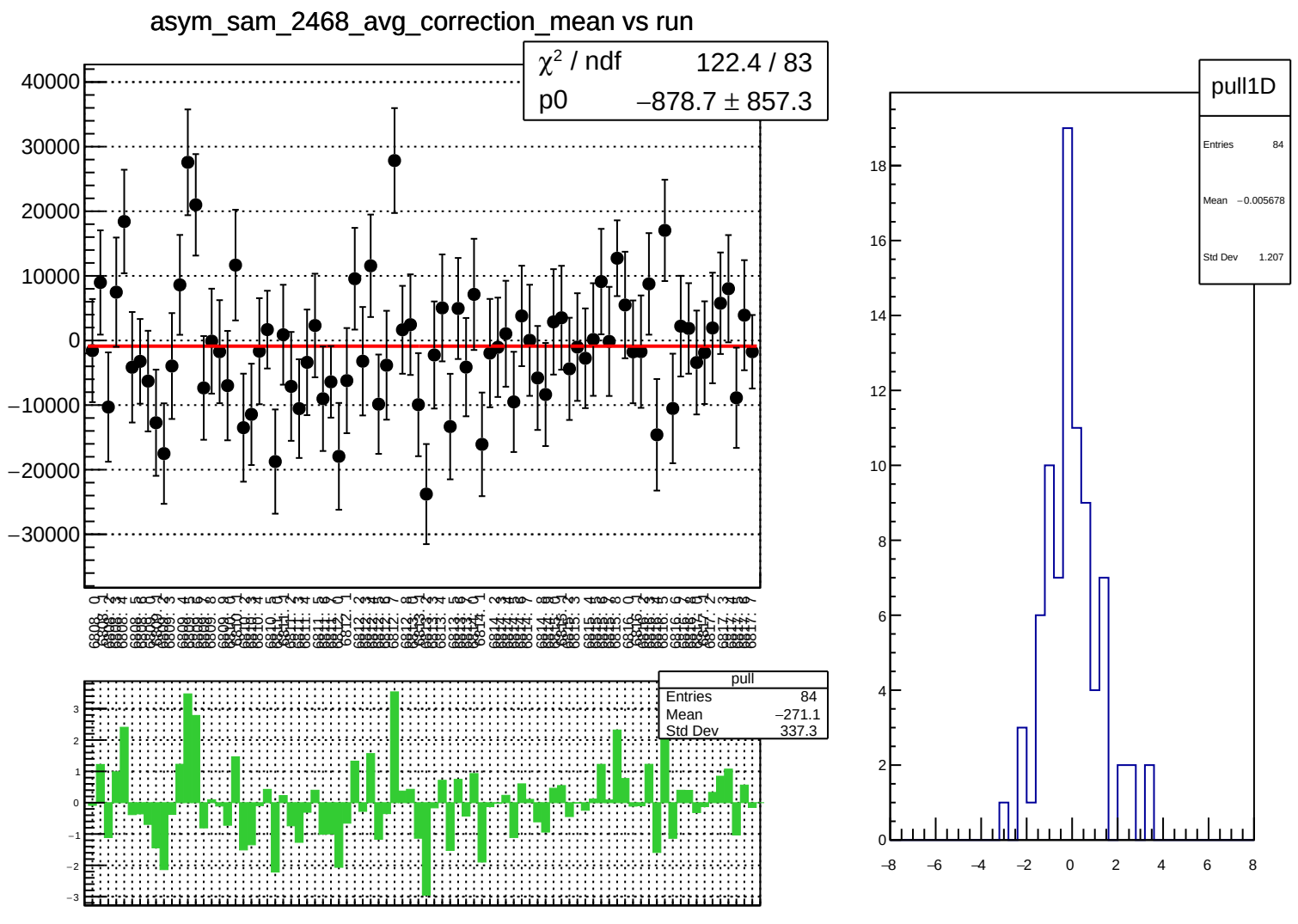

pull1D
Entries 84
Mean 0.009565
Std Dev 1.19
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

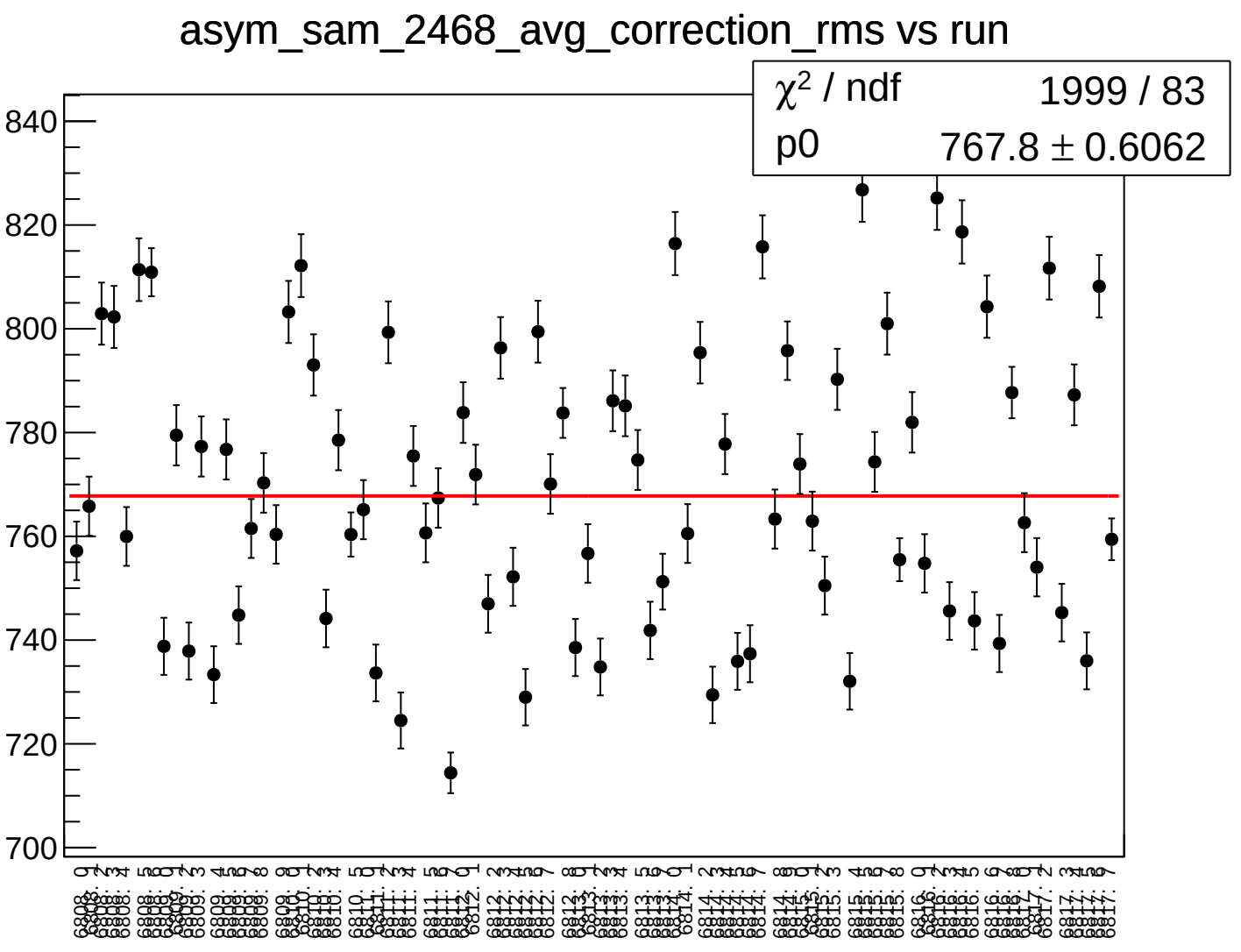

asym_sam_1357_avg_rms vs run
χ² / ndf 2743 / 83
p0 365.1 ± 0.2884
410
400
390
380
370
360
350
340

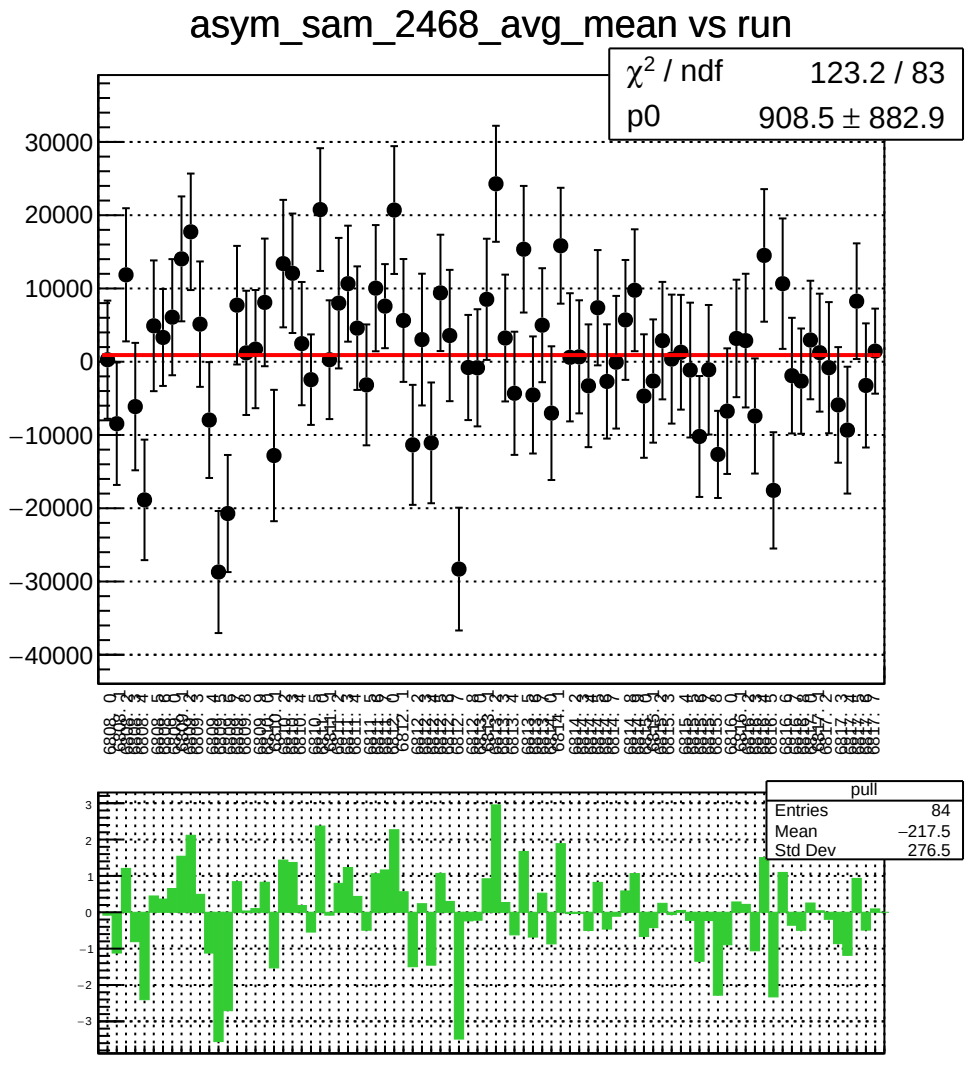

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 91.09 / 83
p0 81.14 ± 106.1
pull
Entries 84
Mean −747
Std Dev 789.3

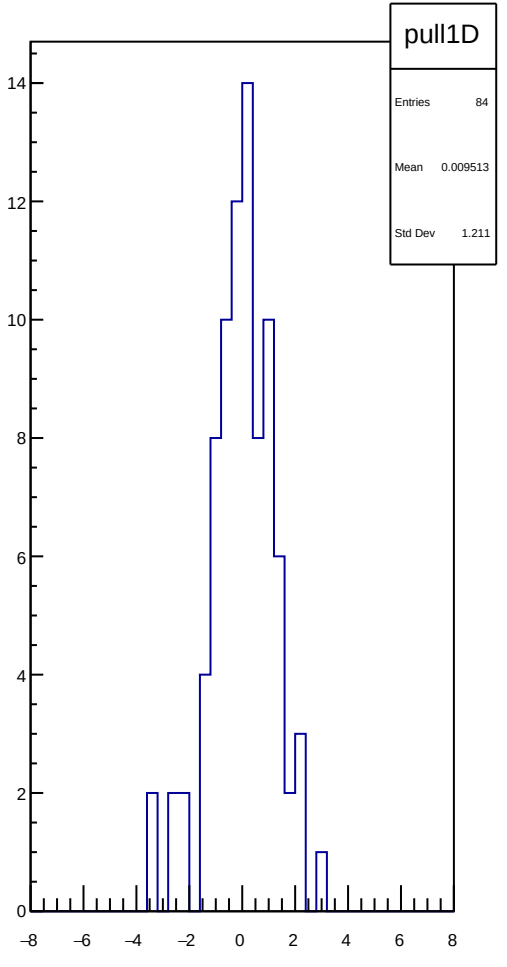

pull1D
Entries 84
Mean 0.007799
Std Dev 1.041

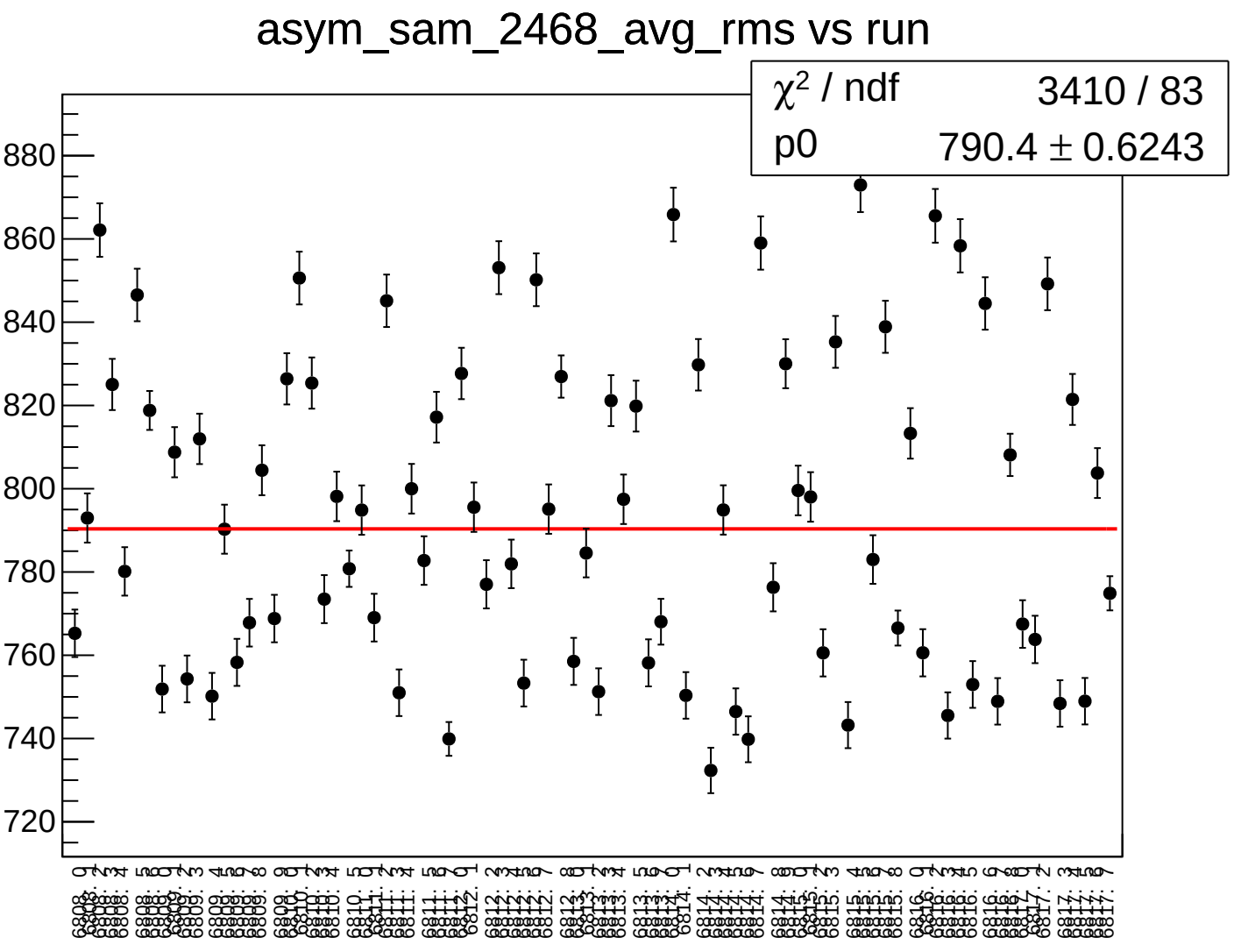

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 6547 / 83
p0 94.93 ± 0.07506
115
110
105
100
95
90
85

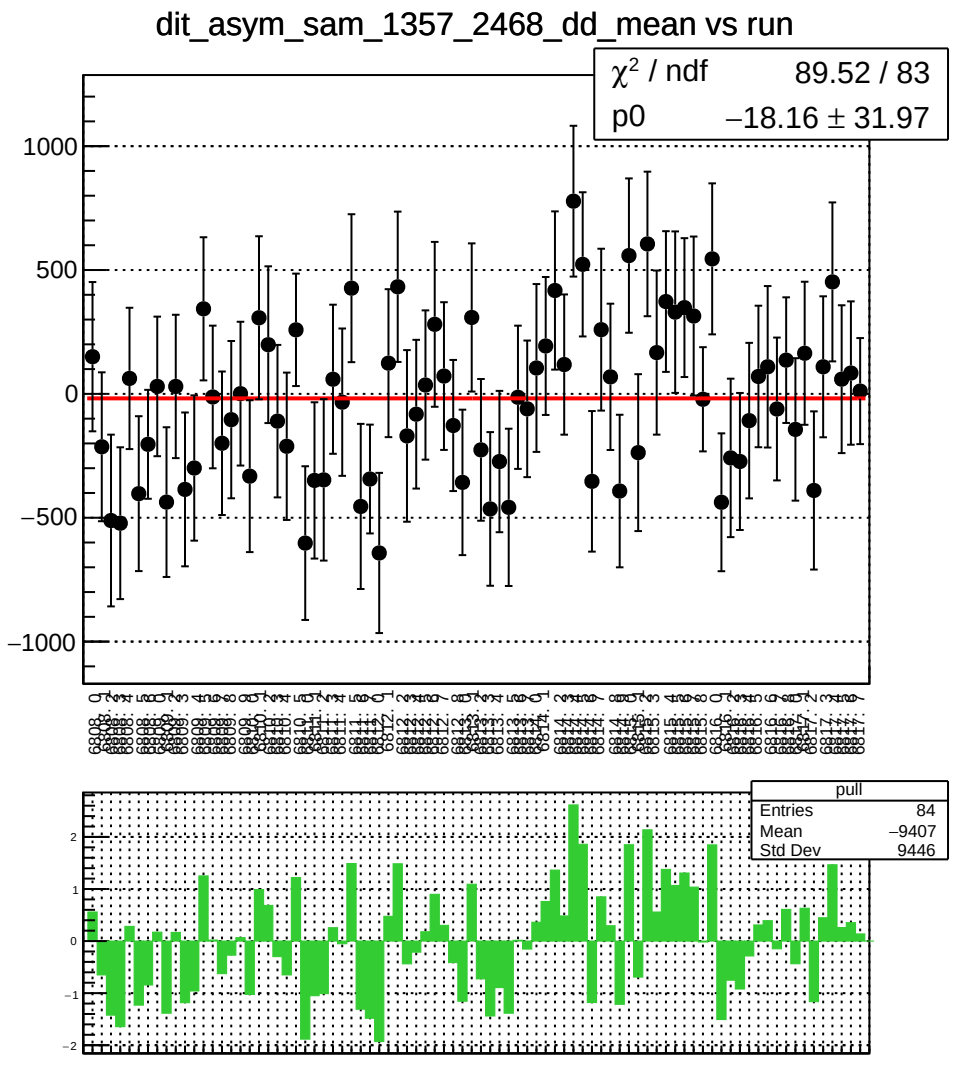

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 122.4 / 83
p0 −878.7 ± 857.3
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −271.1
Std Dev 337.3
3
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.005678
Std Dev 1.207
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

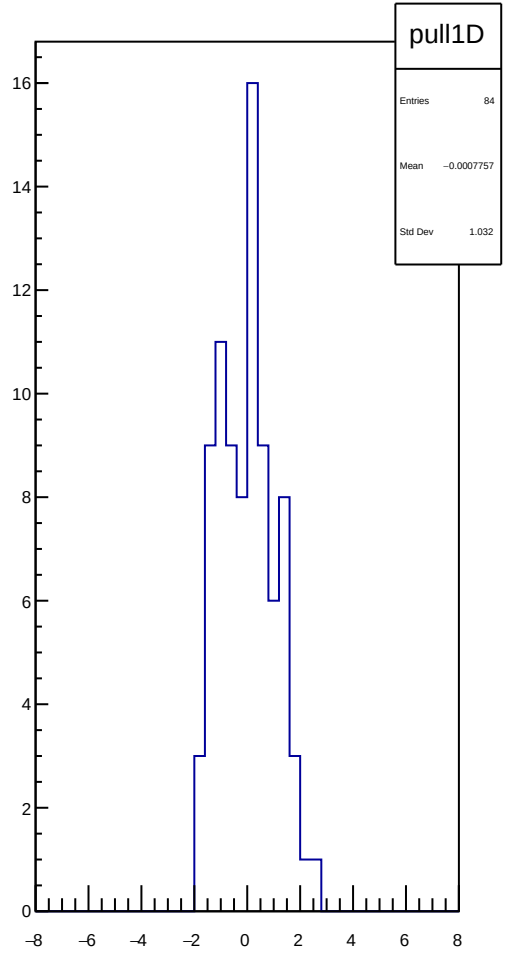

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1999 / 83
p0 767.8 ± 0.6062
840
820
800
780
760
740
720
700

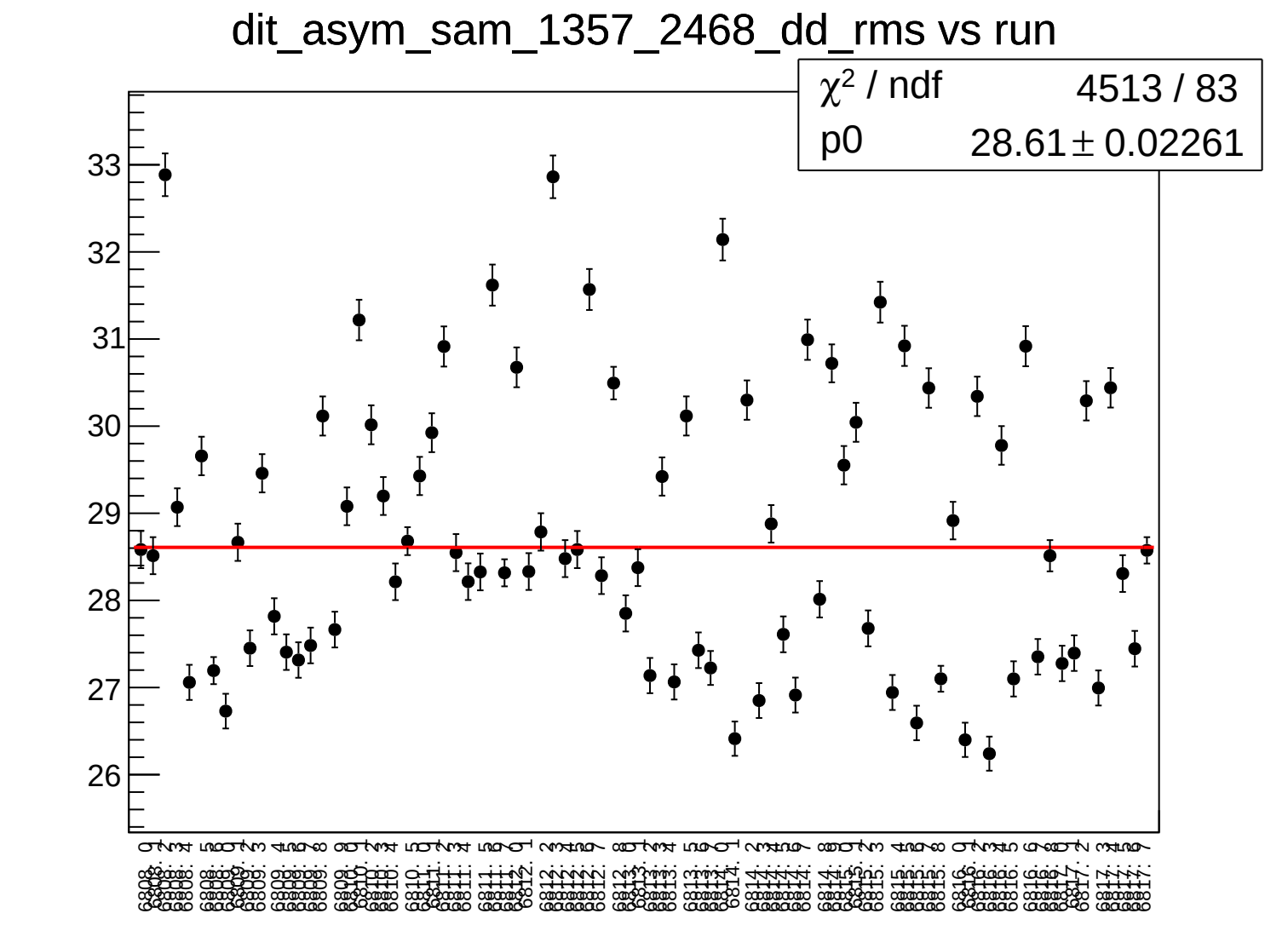

asym_sam_2468_avg_mean vs run
χ² / ndf 123.2 / 83
p0 908.5 ± 882.9
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean −217.5
Std Dev 276.5
3
2
1
0
−1
−2
−3

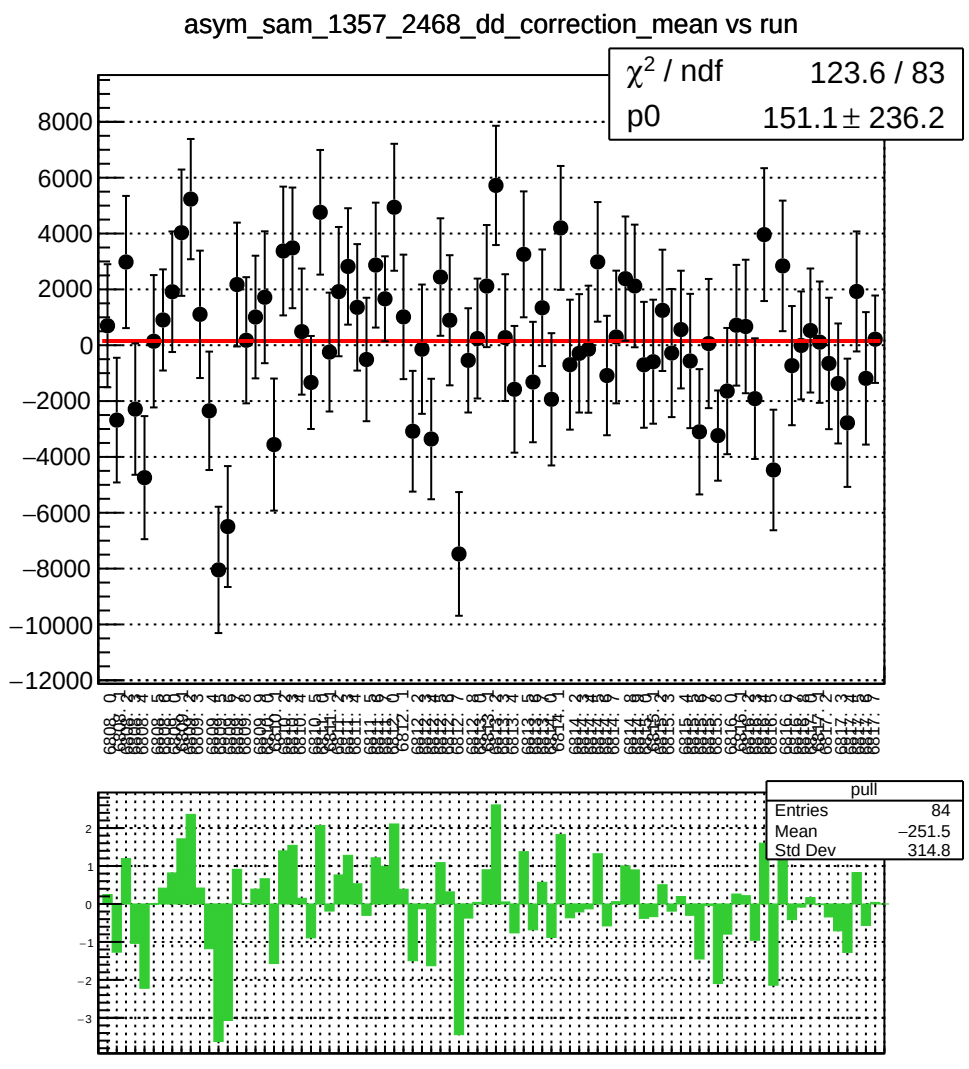

pull1D
Entries 84
Mean 0.009513
Std Dev 1.211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

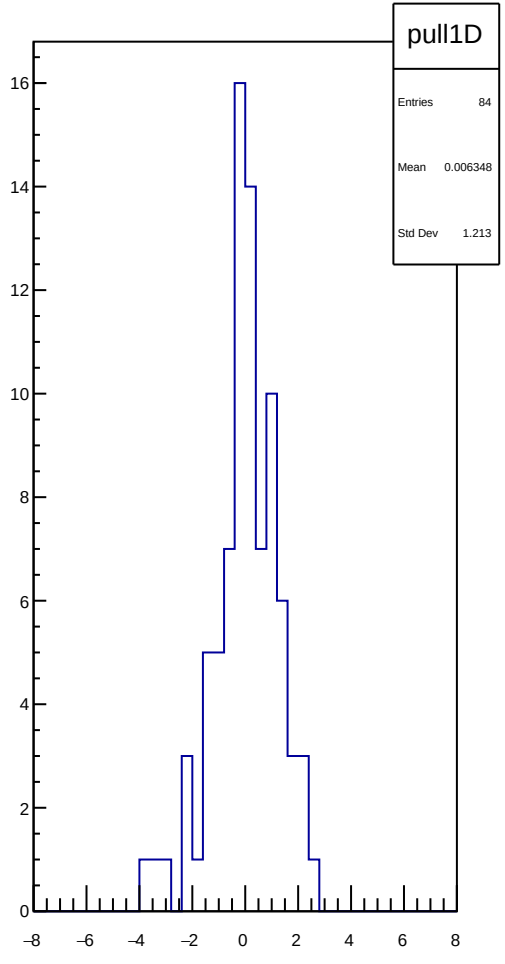

asym_sam_2468_avg_rms vs run
χ^2 / ndf 3410 / 83
p0 790.4 ± 0.6243
880
860
840
820
800
780
760
740
720

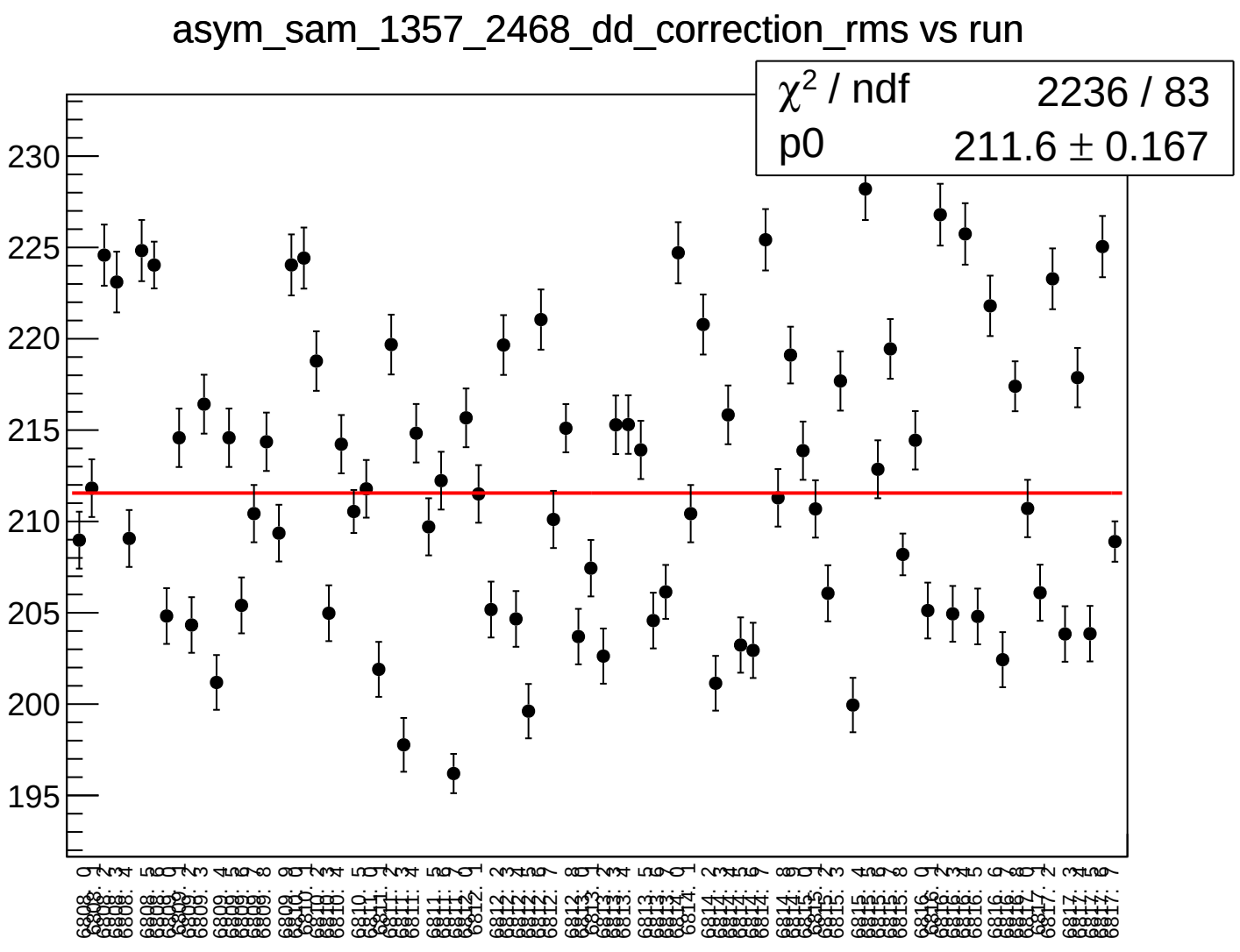

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 89.52 / 83
p0 −18.16 ± 31.97
1000
500
0
−500
−1000
pull
Entries 84
Mean −9407
Std Dev 9446
2
1
0
−1
−2

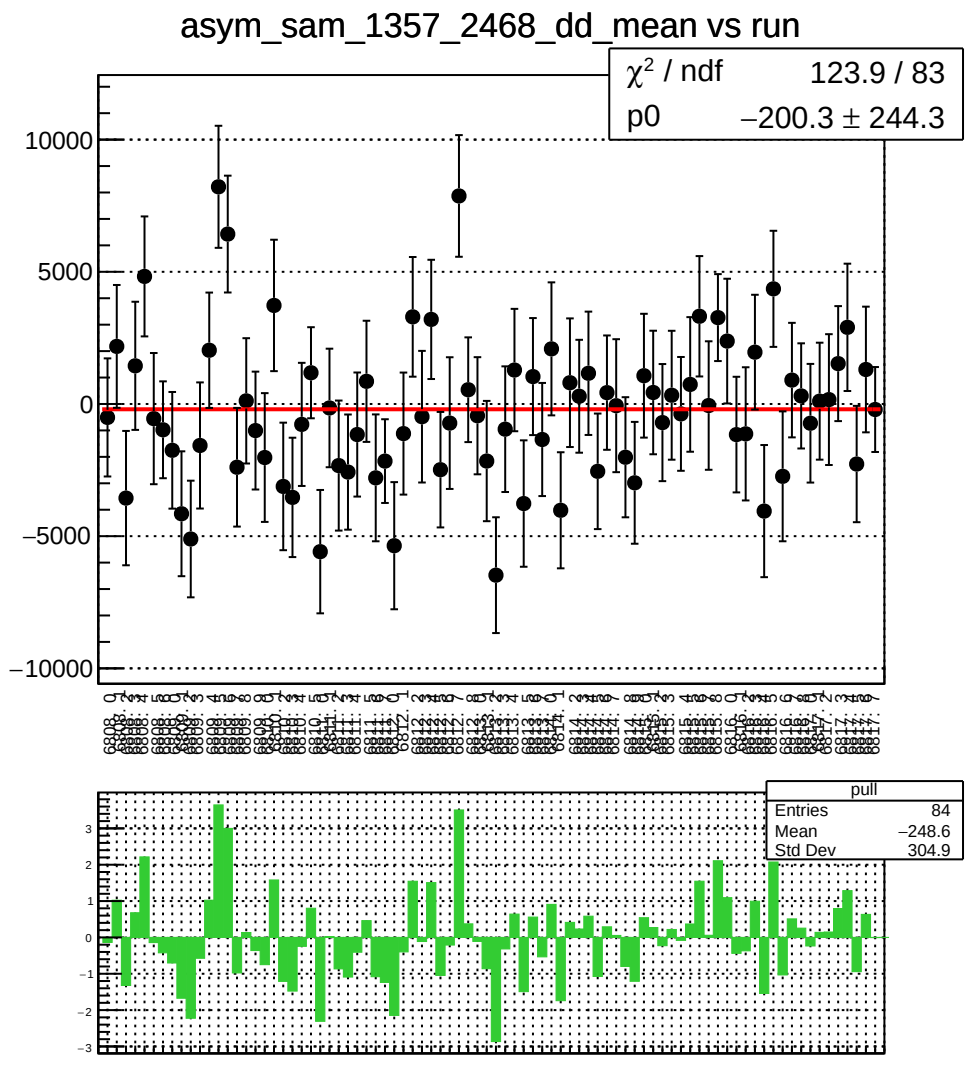

pull1D
Entries 84
Mean −0.0007757
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

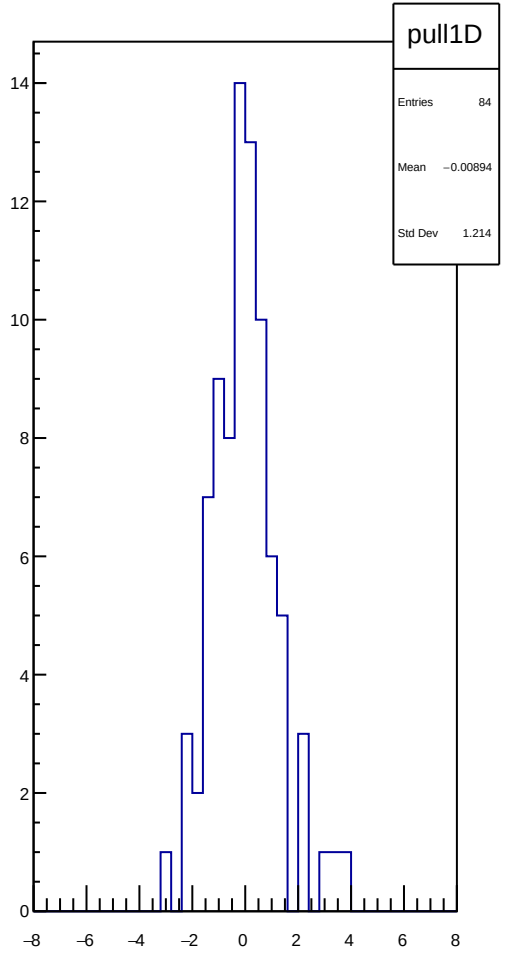

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4513 / 83
p0 28.61 ± 0.02261
33
32
31
30
29
28
27
26

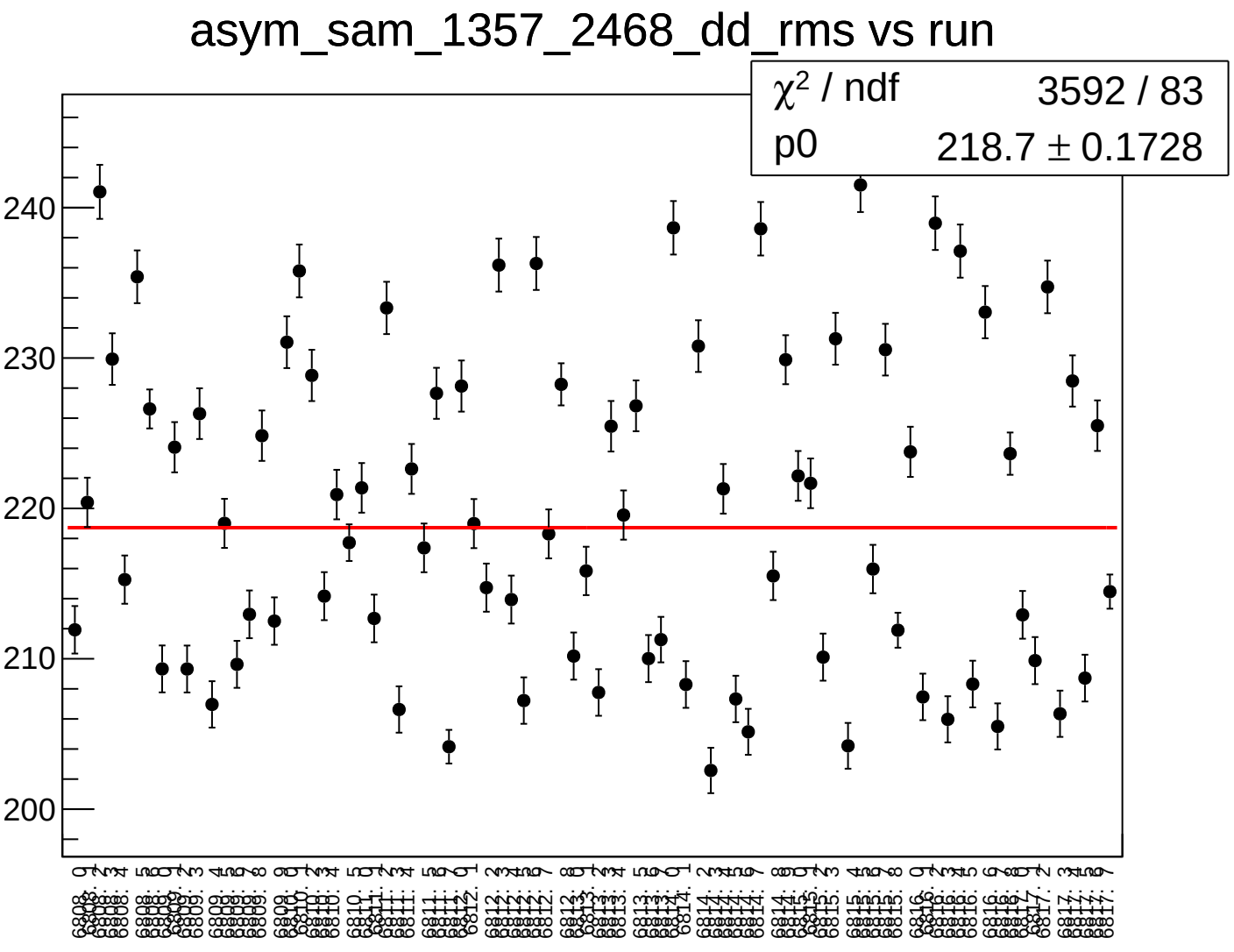

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 123.6 / 83
p0 151.1 ± 236.2
pull
Entries 84
Mean −251.5
Std Dev 314.8

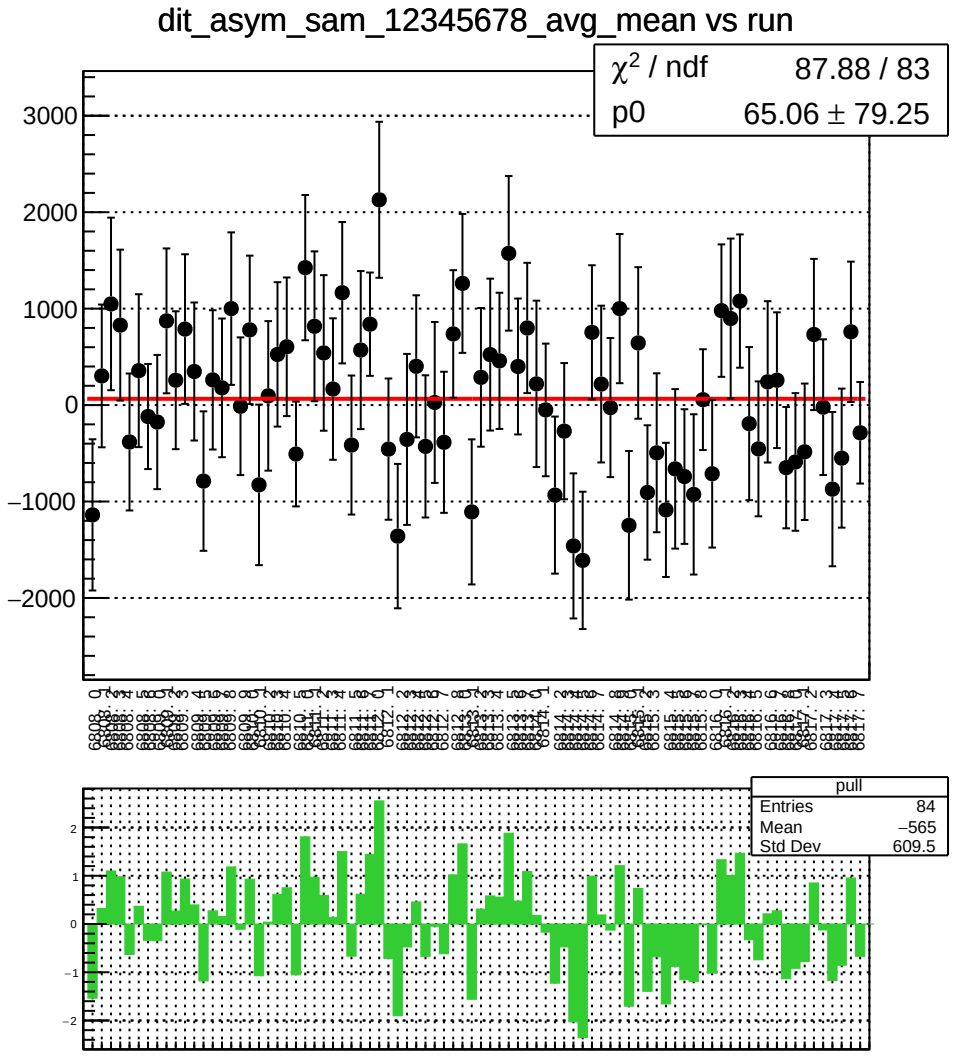

pull1D
Entries 84
Mean 0.006348
Std Dev 1.213

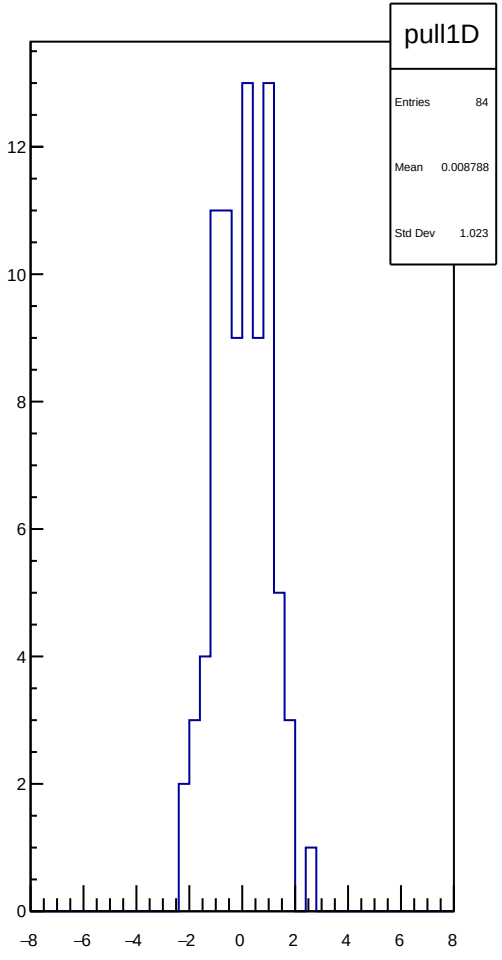

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 2236 / 83
p0 211.6 ± 0.167
230
225
220
215
210
205
200
195

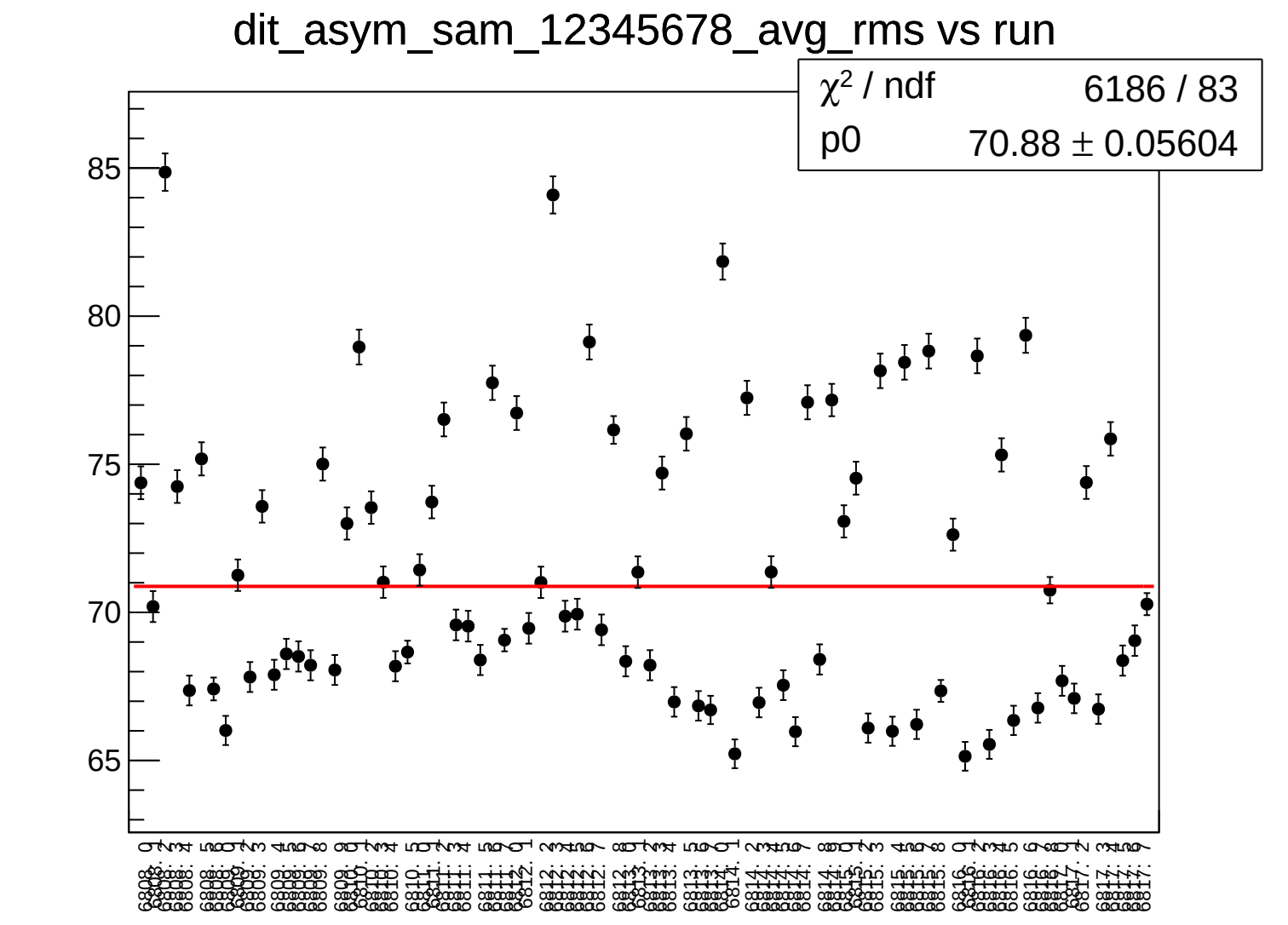

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 123.9 / 83
p0 −200.3 ± 244.3
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −248.6
Std Dev 304.9
3
2
1
0
−1
−2
−3

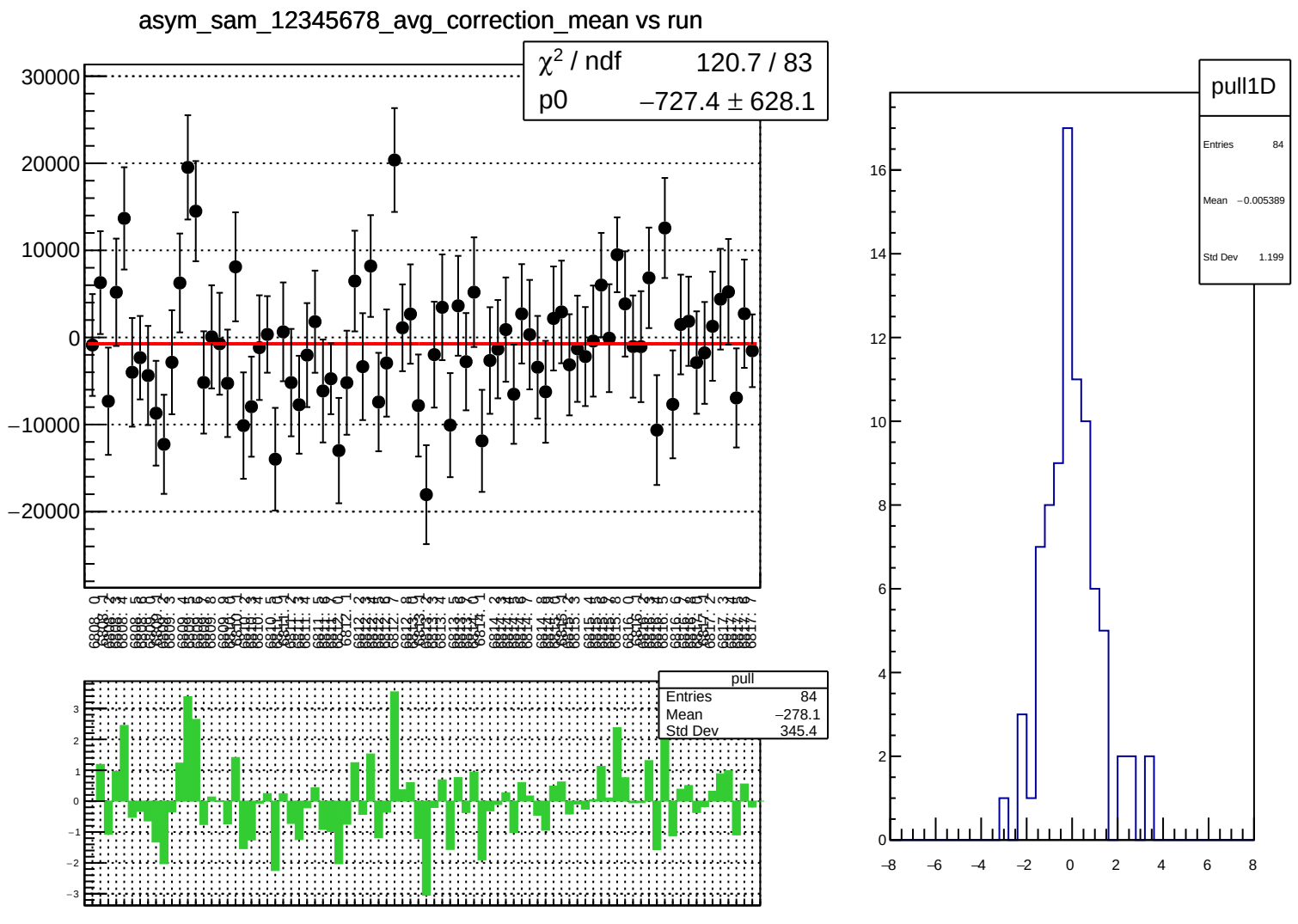

pull1D
Entries 84
Mean −0.00894
Std Dev 1.214
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

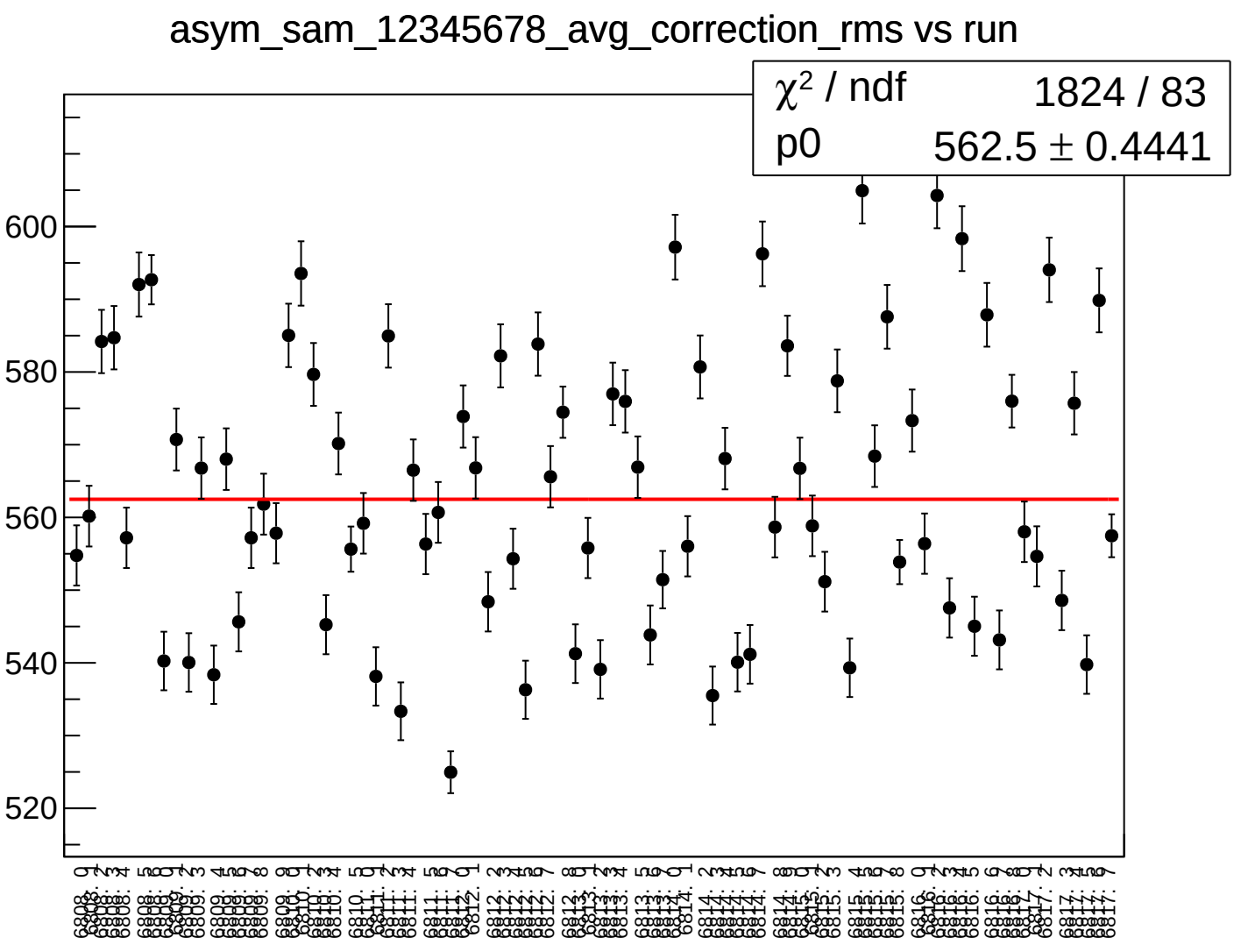

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3592 / 83
p0 218.7 ± 0.1728
240
230
220
210
200

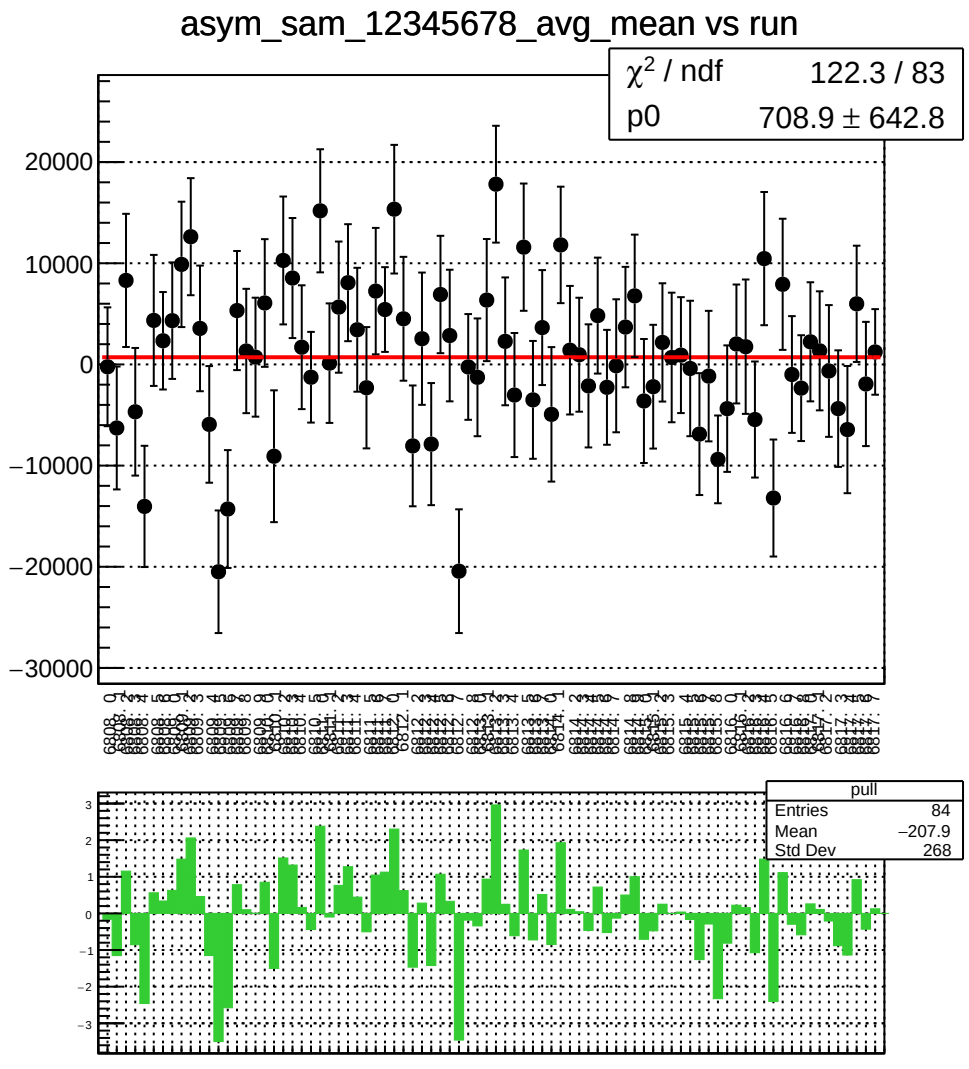

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 87.88 / 83
p0 65.06 ± 79.25
3000
2000
1000
0
−1000
−2000
pull
Entries 84
Mean −565
Std Dev 609.5
2
1
0
−1
−2

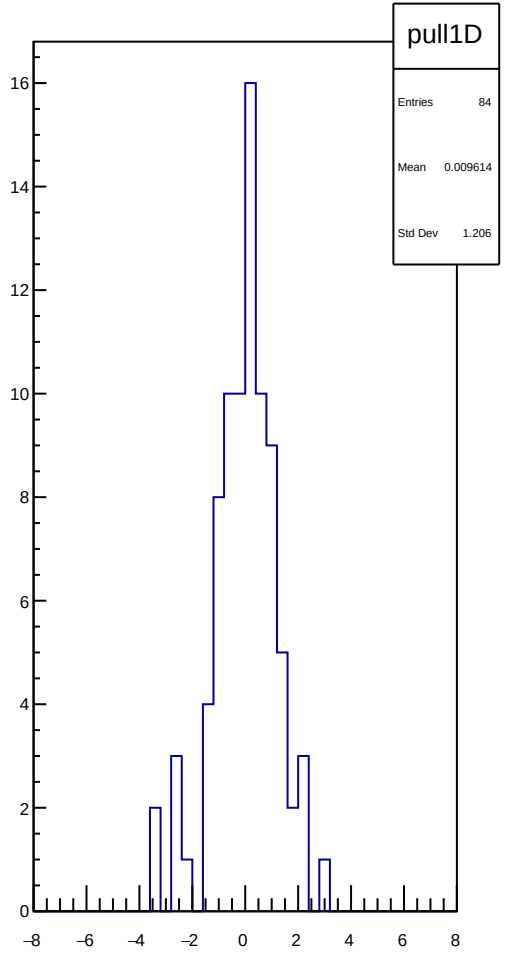

pull1D
Entries 84
Mean 0.008788
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

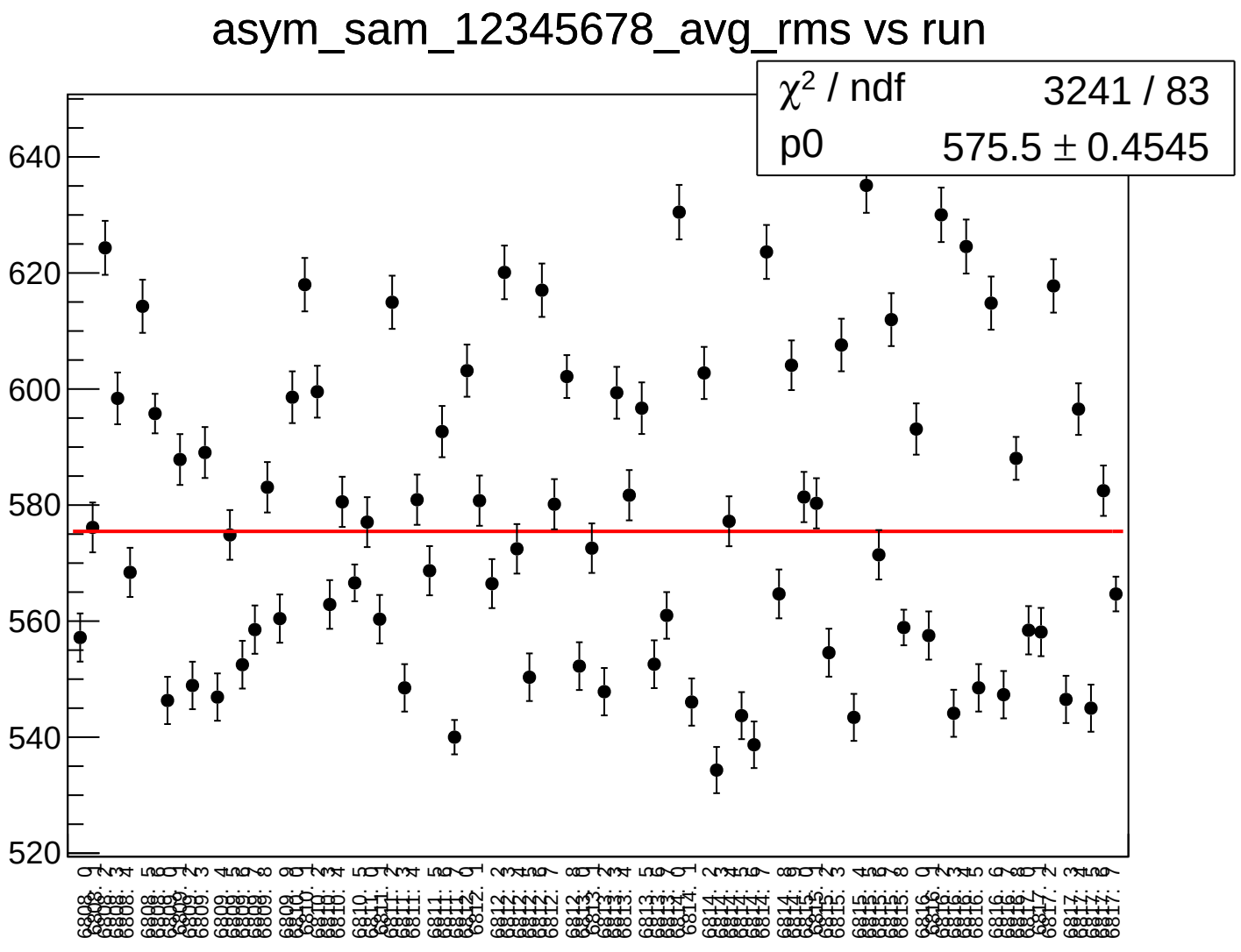

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6186 / 83
p0 70.88 ± 0.05604
85
80
75
70
65

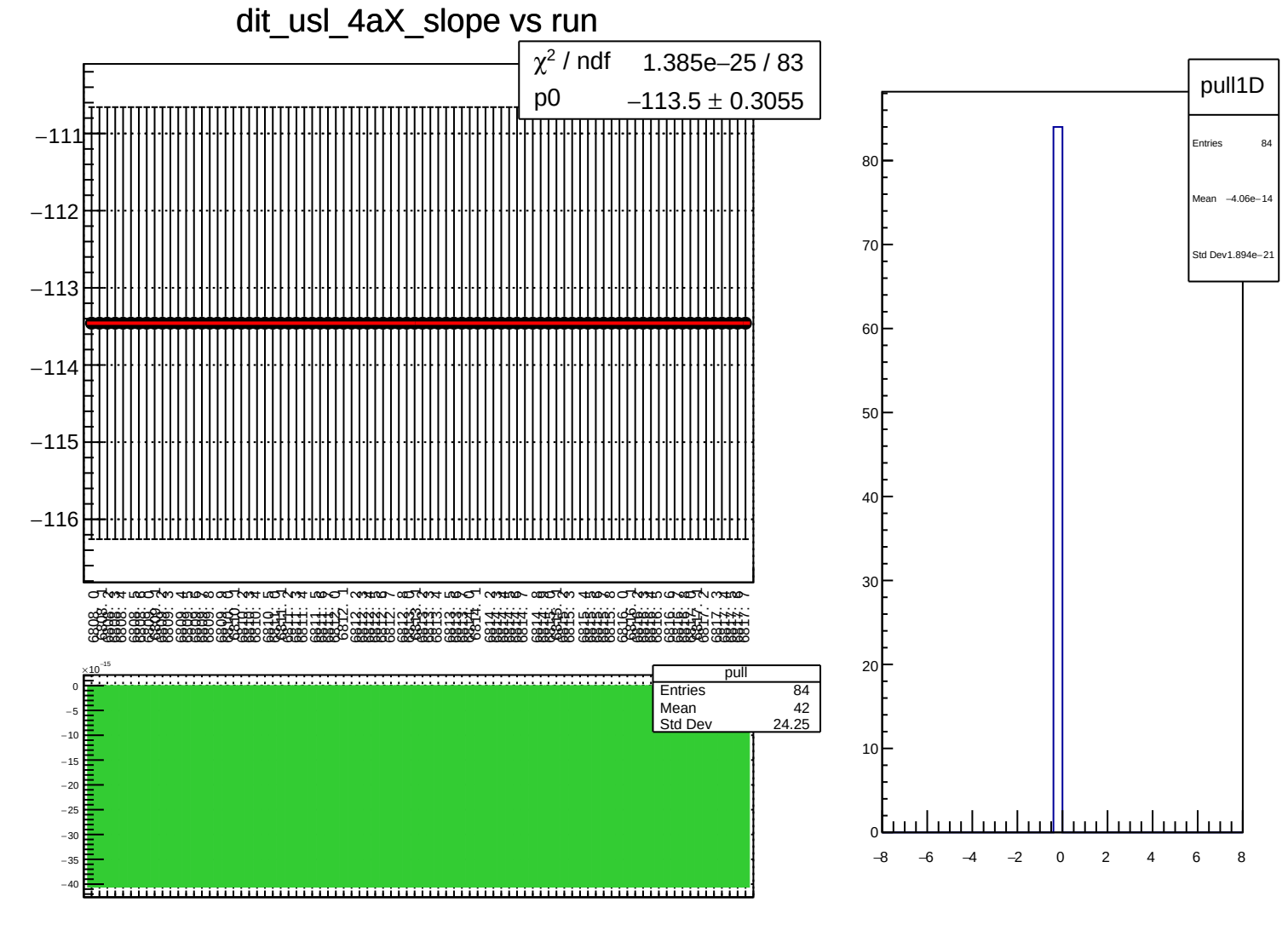

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 120.7 / 83
p0 −727.4 ± 628.1
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −278.1
Std Dev 345.4
3
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.005389
Std Dev 1.199
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

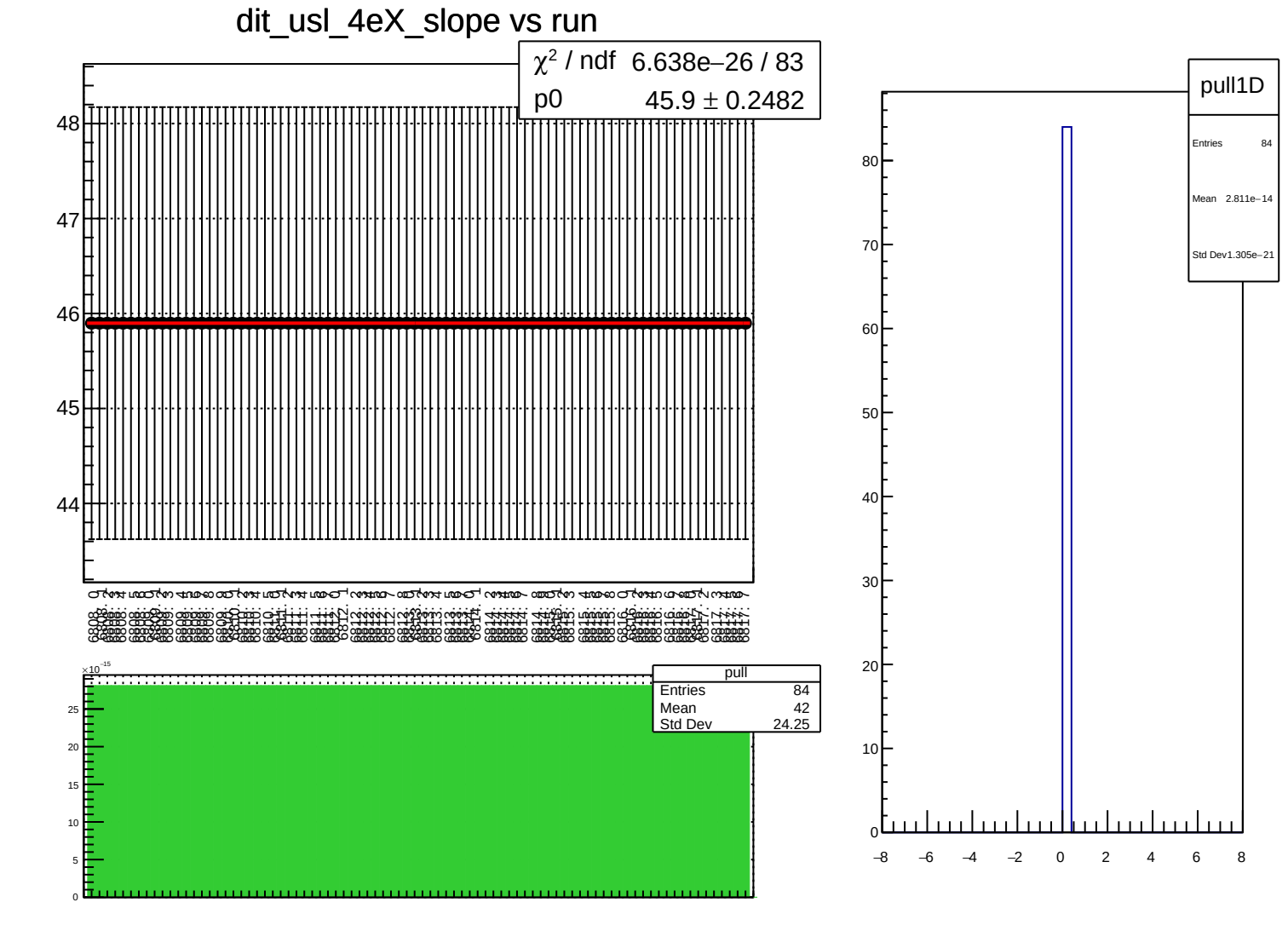

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1824 / 83
p0 562.5 ± 0.4441
600
580
560
540
520

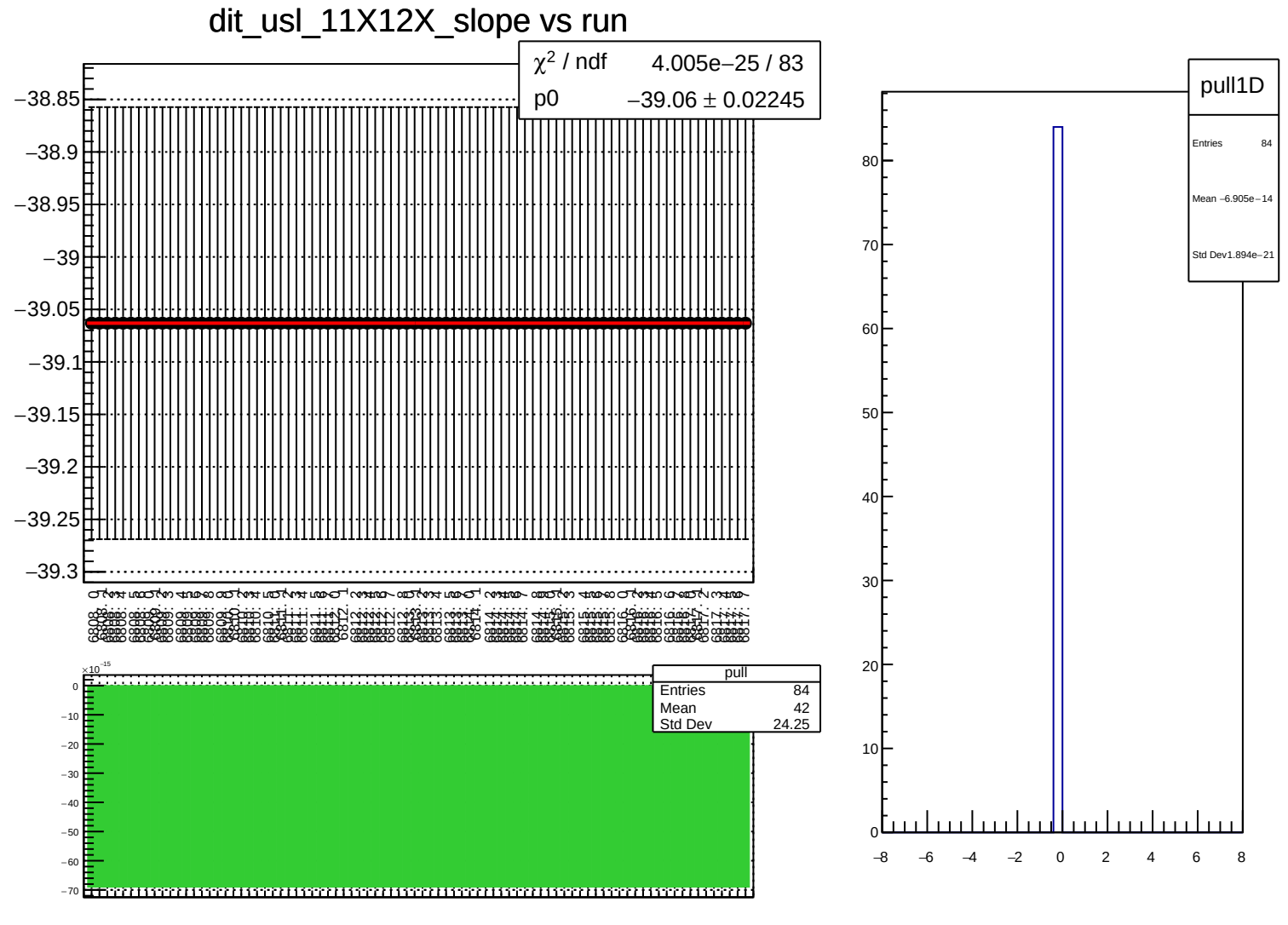

asym_sam_12345678_avg_mean vs run
χ² / ndf 122.3 / 83
p0 708.9 ± 642.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −207.9
Std Dev 268
3
2
1
0
−1
−2
−3

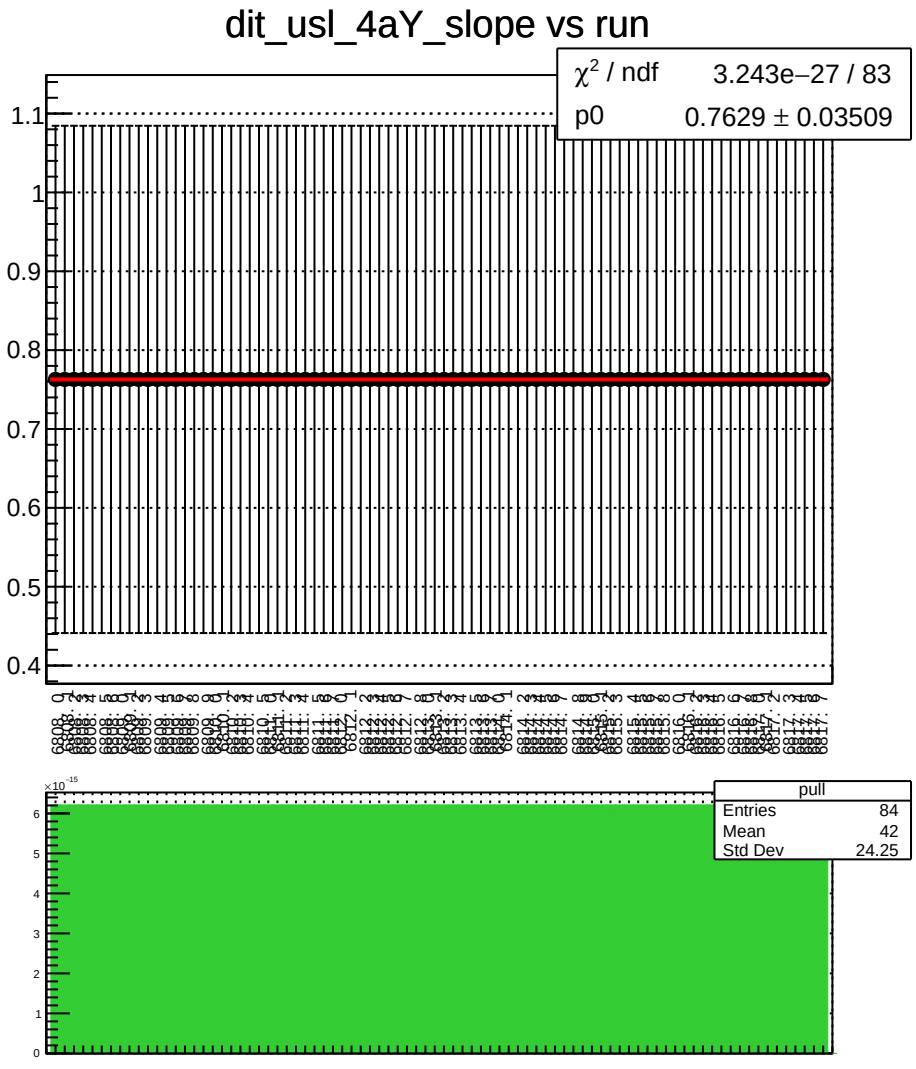

pull1D
Entries 84
Mean 0.009614
Std Dev 1.206
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

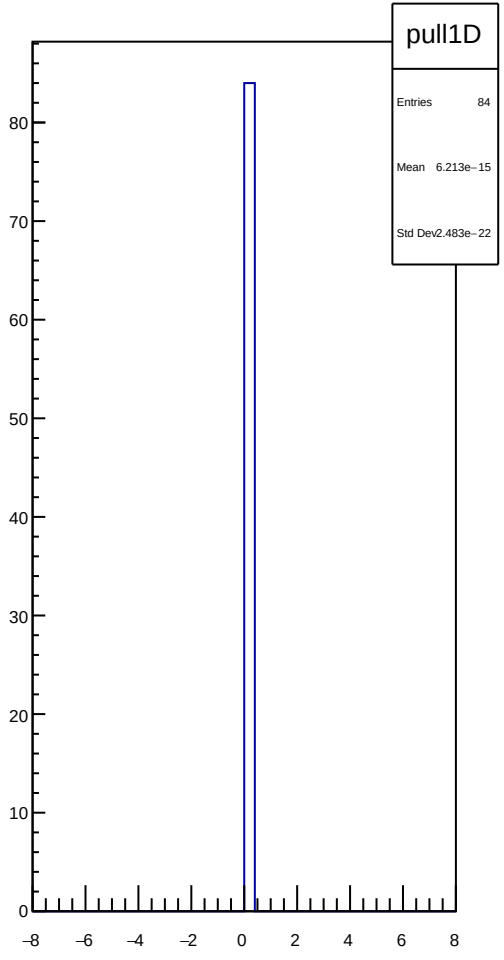

asym_sam_12345678_avg_rms vs run
χ² / ndf 3241 / 83
p0 575.5 ± 0.4545
640
620
600
580
560
540
520

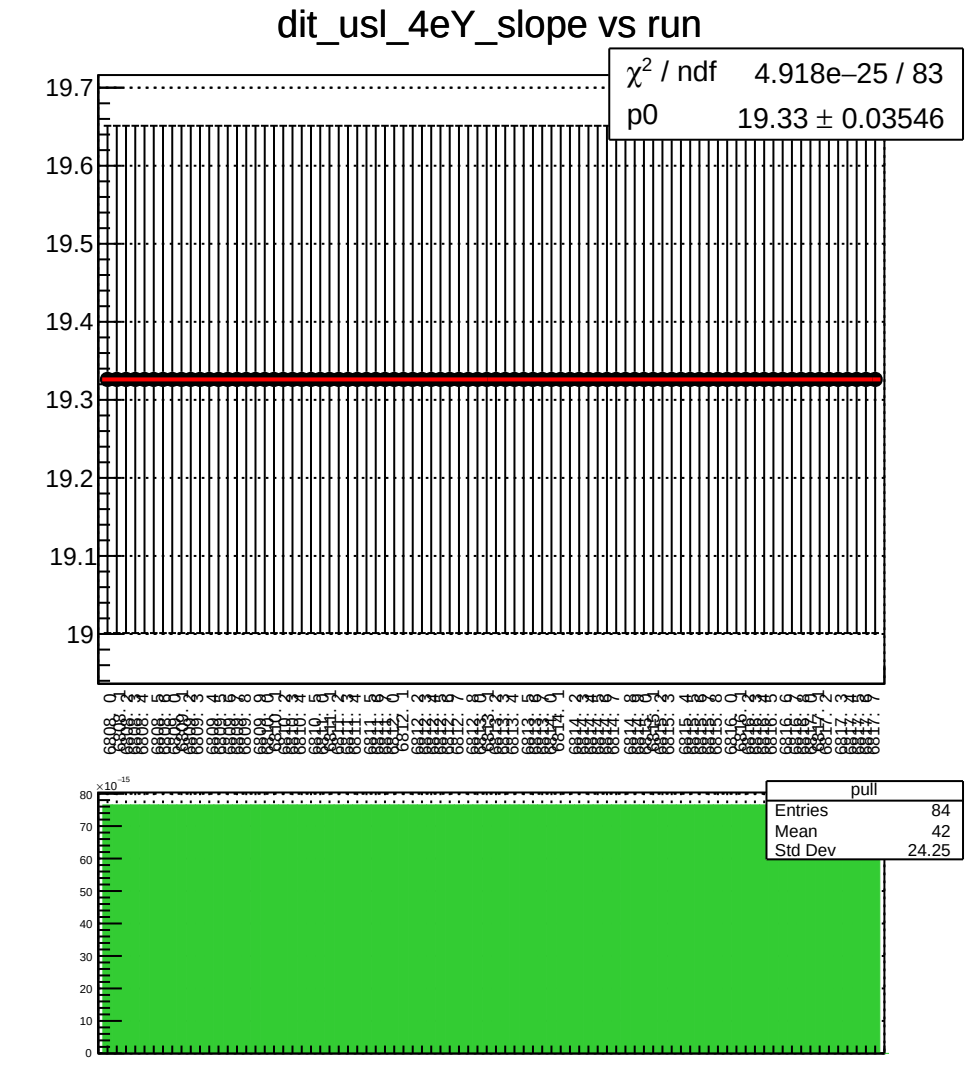

dit_usl_4aX_slope vs run
χ² / ndf 1.385e−25 / 83
p0 −113.5 ± 0.3055
−111
−112
−113
−114
−115
−116
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 84
Mean −4.06e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

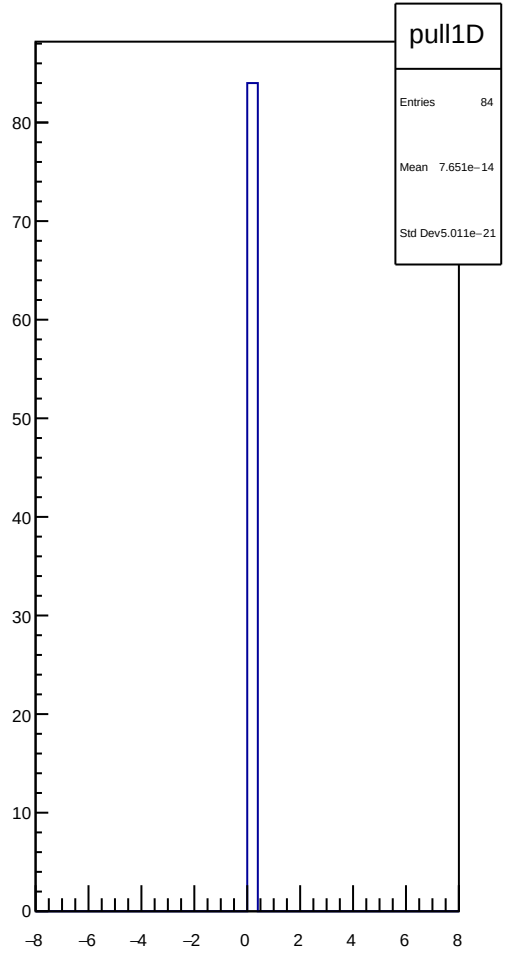

dit_usl_4eX_slope vs run
χ² / ndf 6.638e−26 / 83
p0 45.9 ± 0.2482
48
47
46
45
44
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 84
Mean 2.811e−14
Std Dev1.305e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

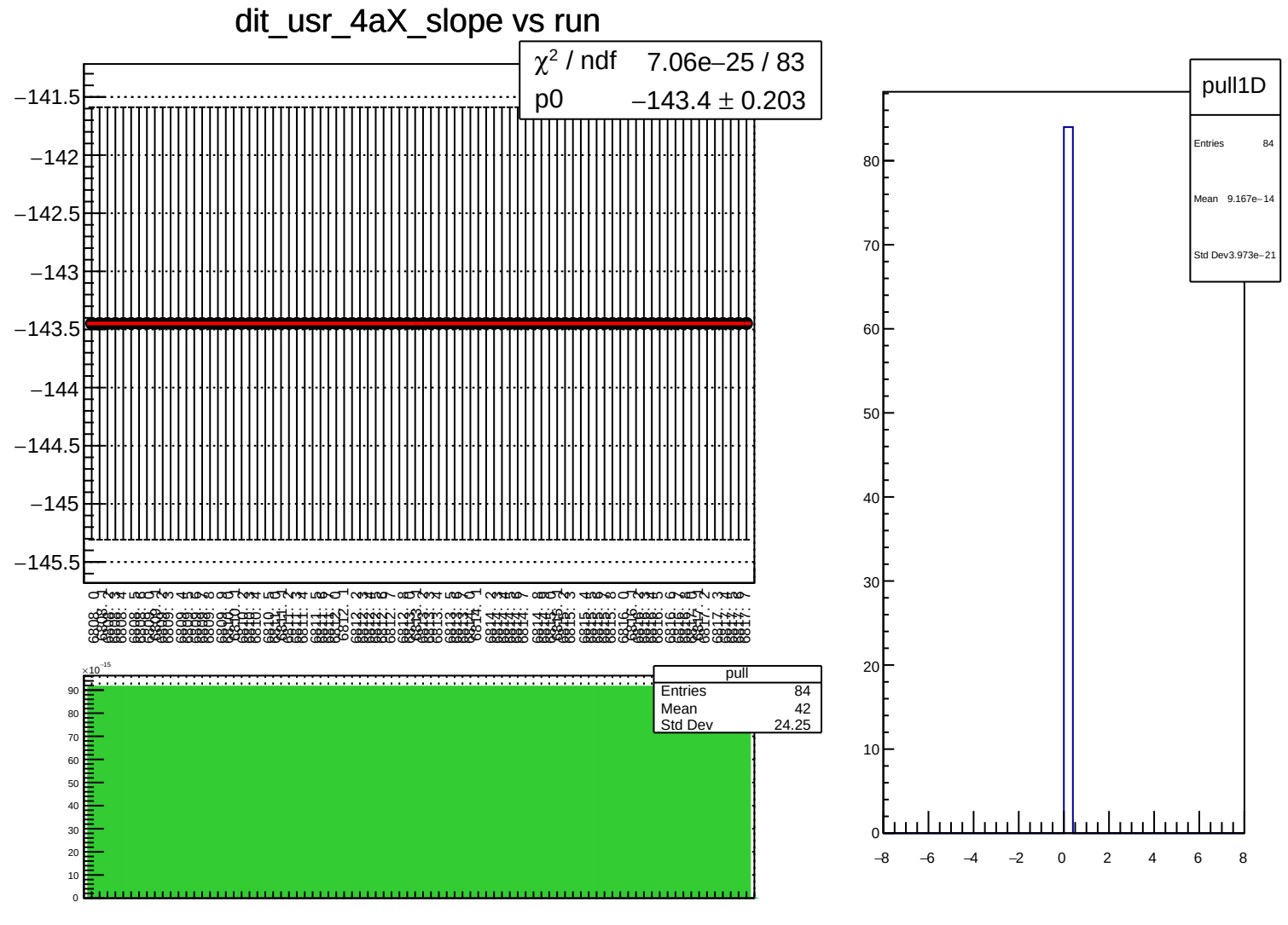

dit_usl_11X12X_slope vs run
χ² / ndf 4.005e−25 / 83
p0 −39.06 ± 0.02245
−38.85
−38.9
−38.95
−39
−39.05
−39.1
−39.15
−39.2
−39.25
−39.3
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 84
Mean −6.905e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

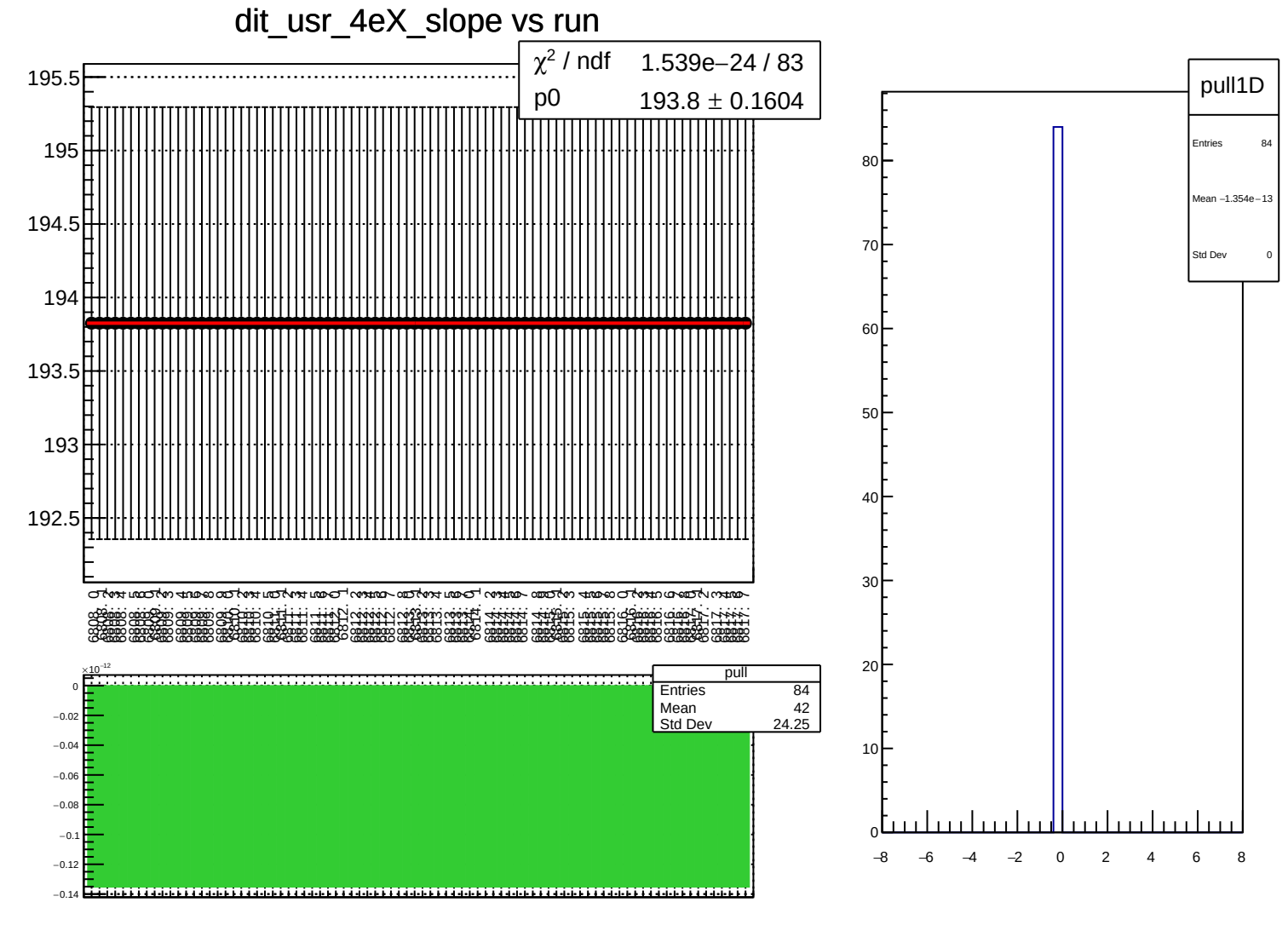

dit_usl_4aY_slope vs run
χ² / ndf 3.243e−27 / 83
p0 0.7629 ± 0.03509
pull
Entries 84
Mean 42
Std Dev 24.25

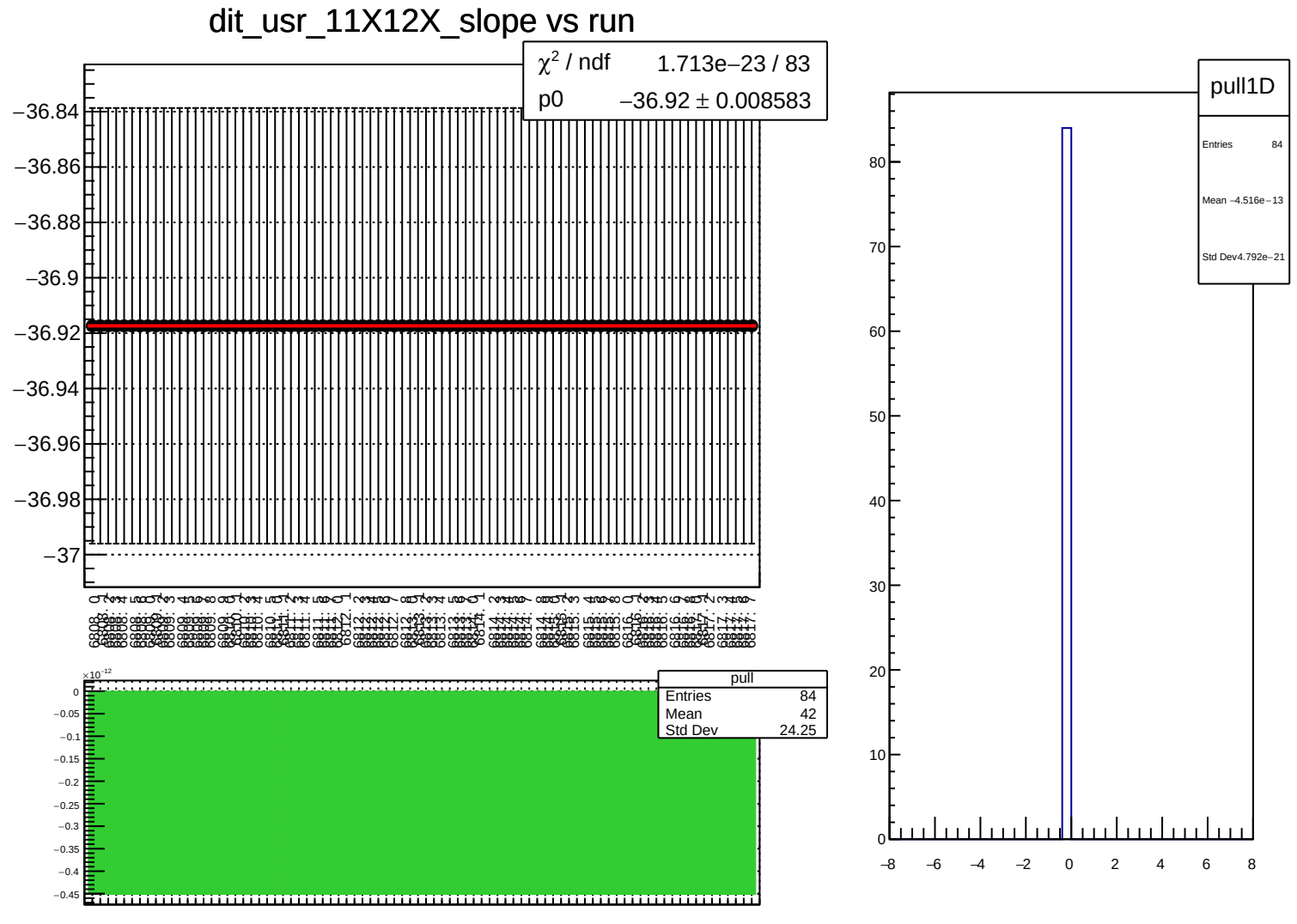

pull1D
Entries 84
Mean 6.213e−15
Std Dev2.483e−22

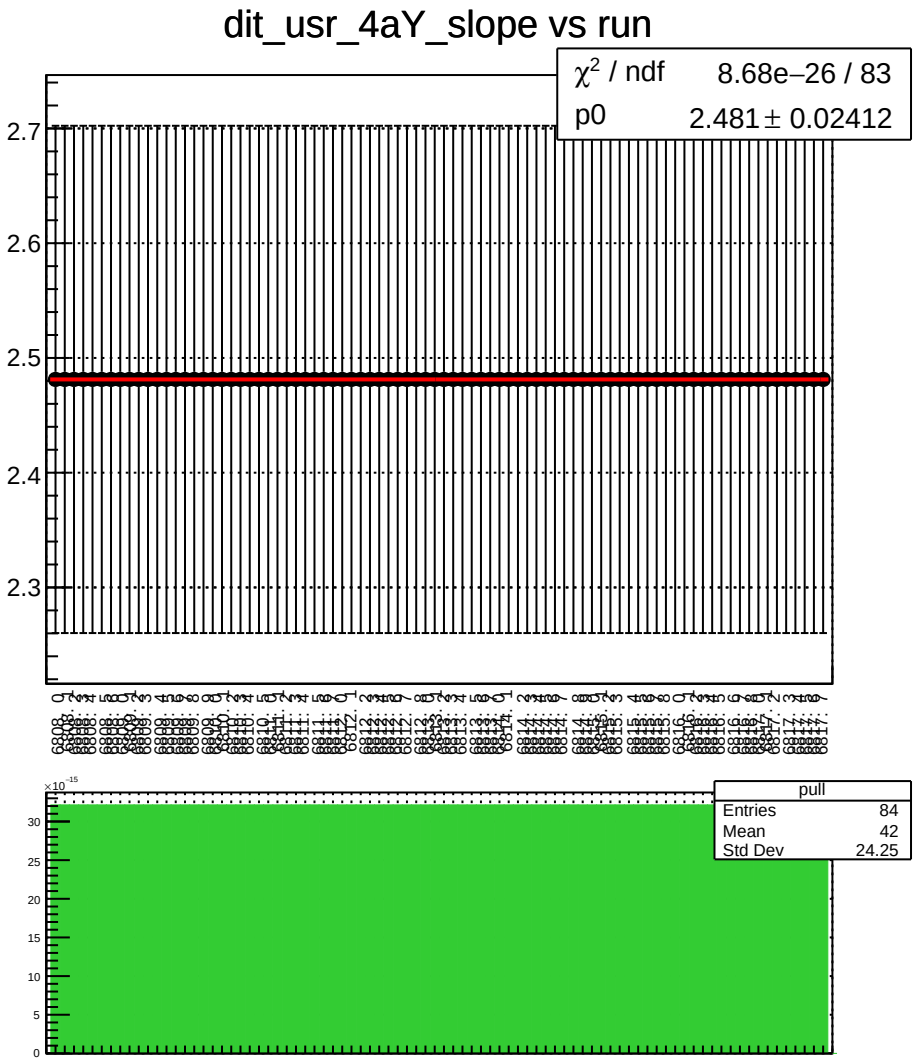

dit_usl_4eY_slope vs run
χ² / ndf 4.918e−25 / 83
p0 19.33 ± 0.03546
19.7
19.6
19.5
19.4
19.3
19.2
19.1
19
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull
Entries 84
Mean 42
Std Dev 24.25

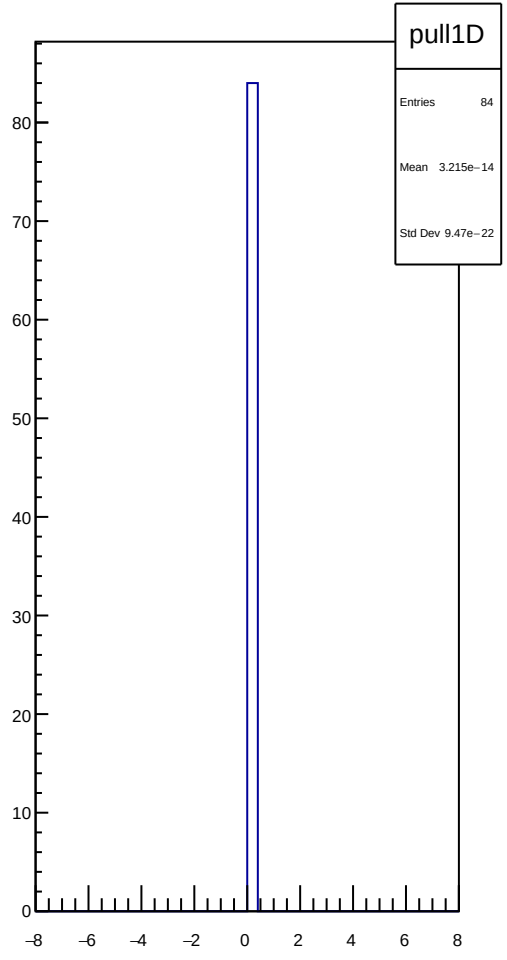

pull1D
Entries 84
Mean 7.651e−14
Std Dev5.011e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

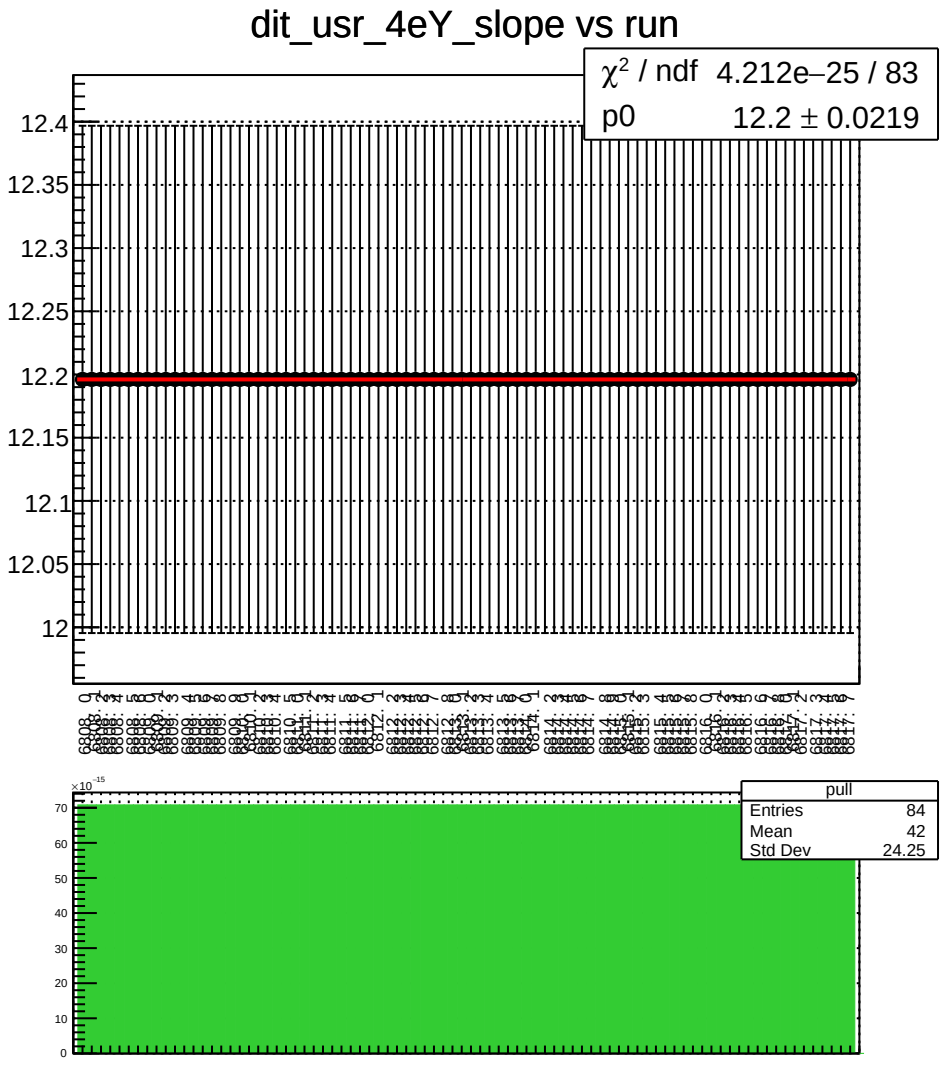

dit_usr_4aX_slope vs run
χ² / ndf 7.06e−25 / 83
p0 −143.4 ± 0.203
−141.5
−142
−142.5
−143
−143.5
−144
−144.5
−145
−145.5
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 9.167e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

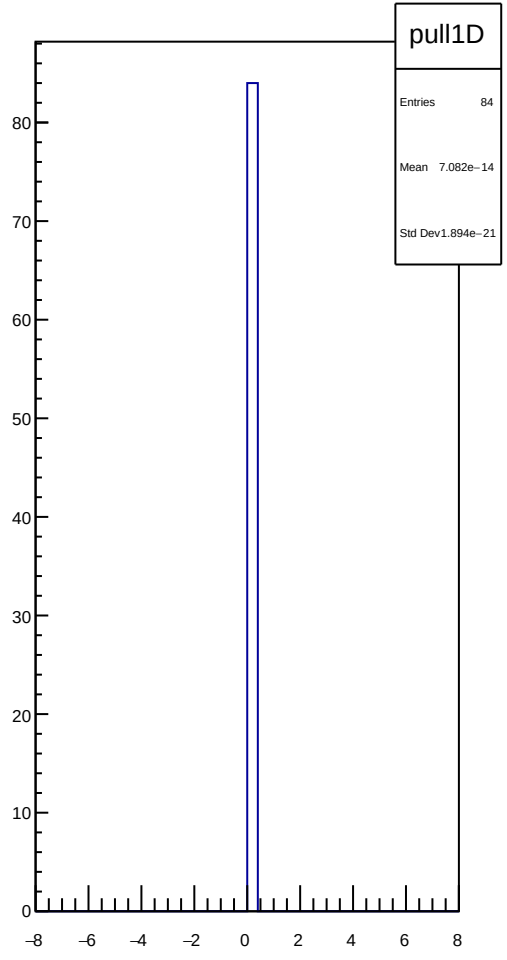

dit_usr_4eX_slope vs run
χ^2 / ndf 1.539e−24 / 83
p0 193.8 ± 0.1604
195.5
195
194.5
194
193.5
193
192.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 84
Mean −1.354e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

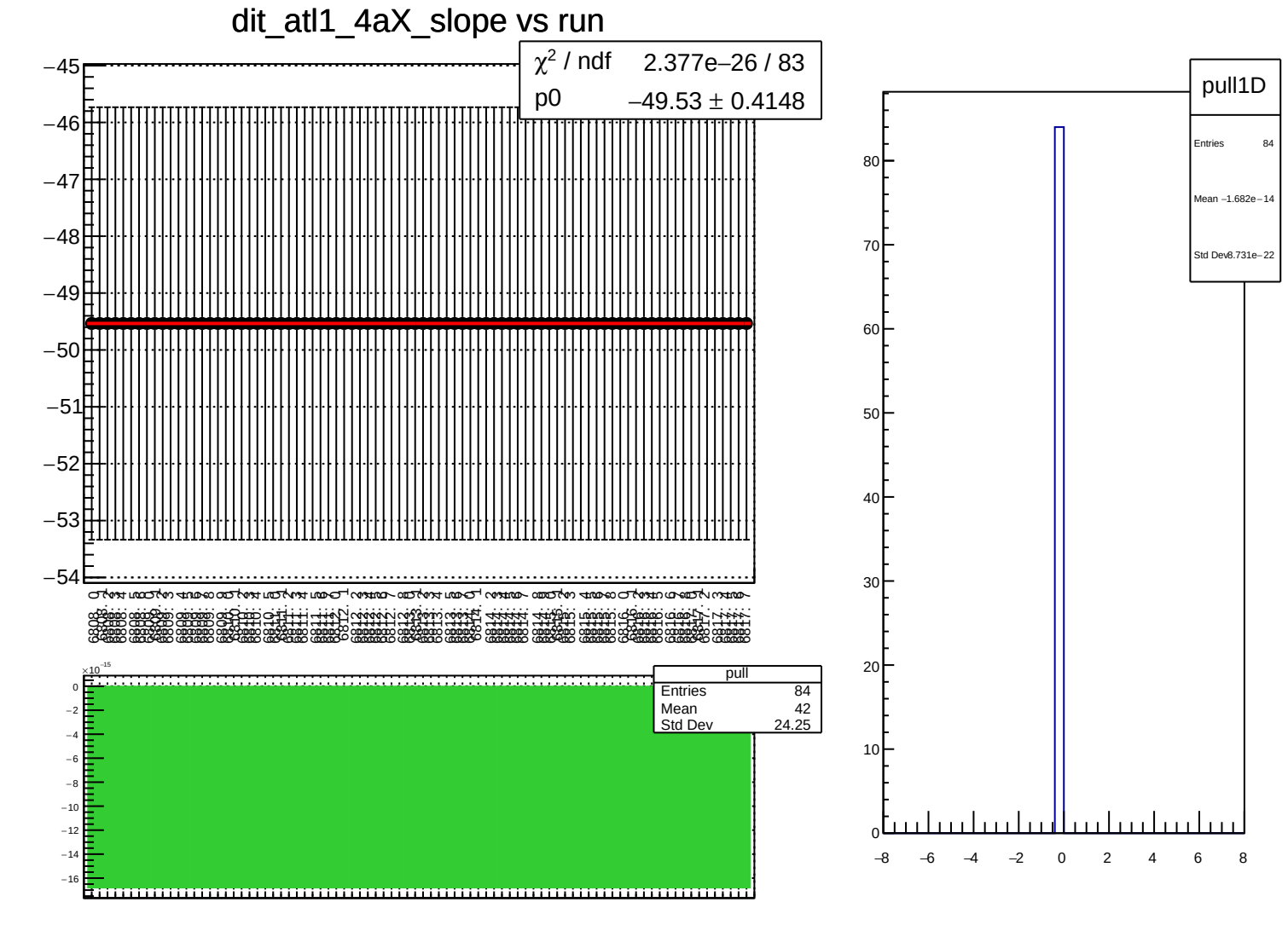

dit_usr_11X12X_slope vs run
χ² / ndf 1.713e−23 / 83
p0 −36.92 ± 0.008583
−36.84
−36.86
−36.88
−36.9
−36.92
−36.94
−36.96
−36.98
−37
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
pull1D
Entries 84
Mean −4.516e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

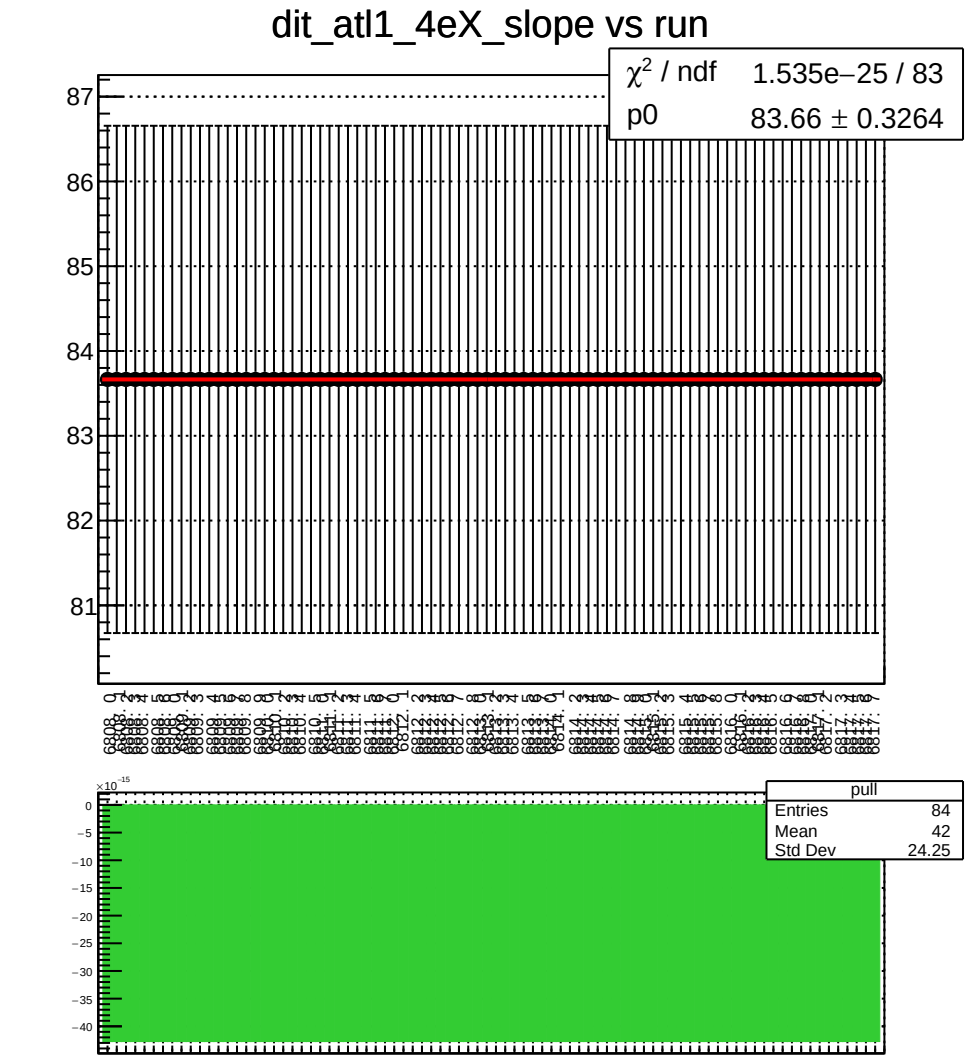

dit_usr_4aY_slope vs run
χ² / ndf 8.68e−26 / 83
p0 2.481 ± 0.02412
2.7
2.6
2.5
2.4
2.3
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
30
25
20
15
10
5
0

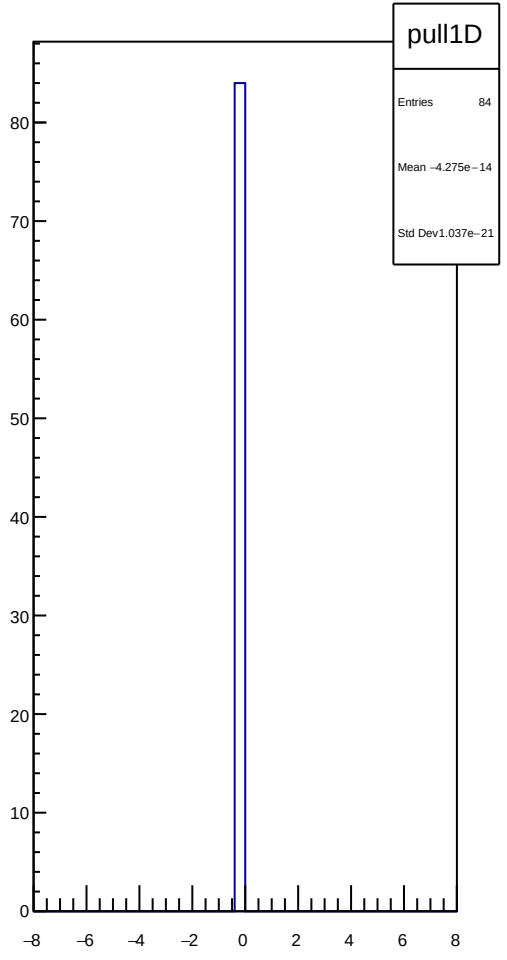

pull1D
Entries 84
Mean 3.215e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

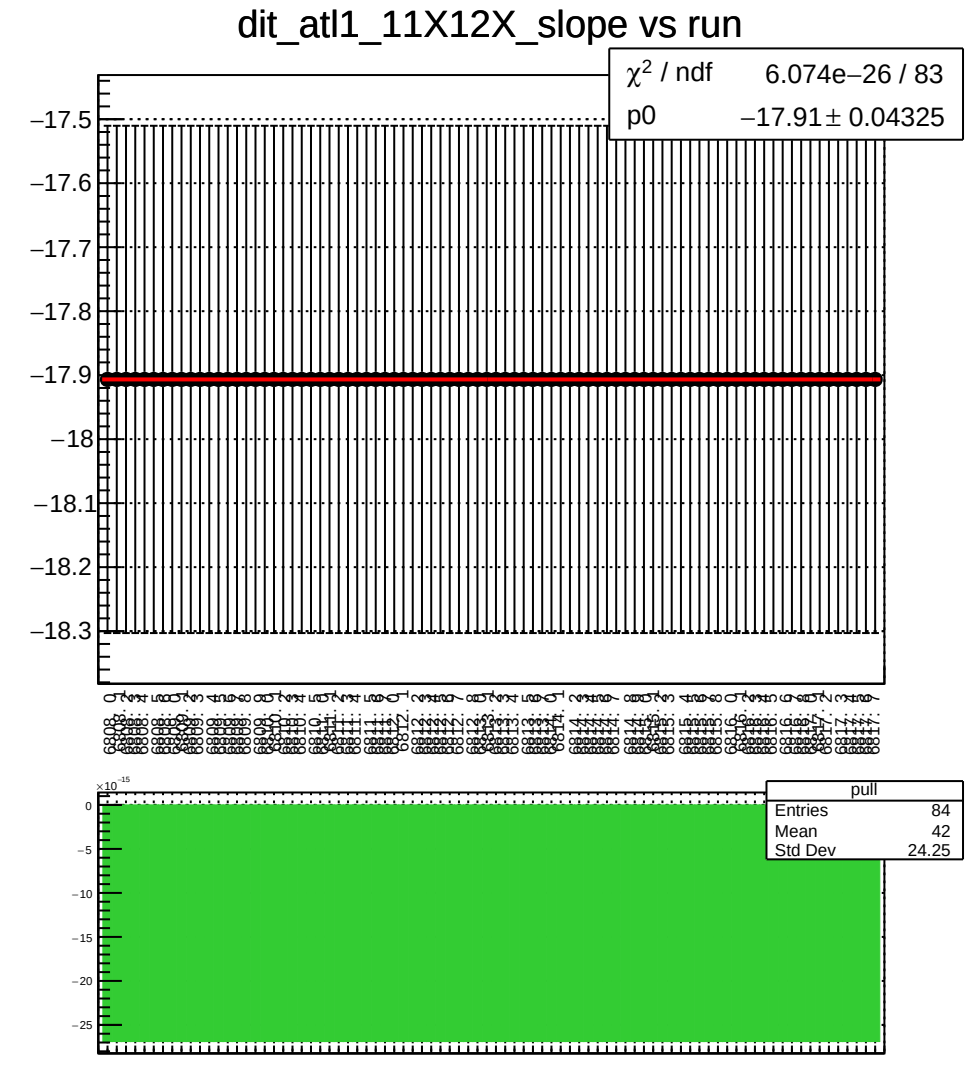

dit_usr_4eY_slope vs run
χ² / ndf 4.212e−25 / 83
p0 12.2 ± 0.0219
12.4
12.35
12.3
12.25
12.2
12.15
12.1
12.05
12
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
70
60
50
40
30
20
10
0

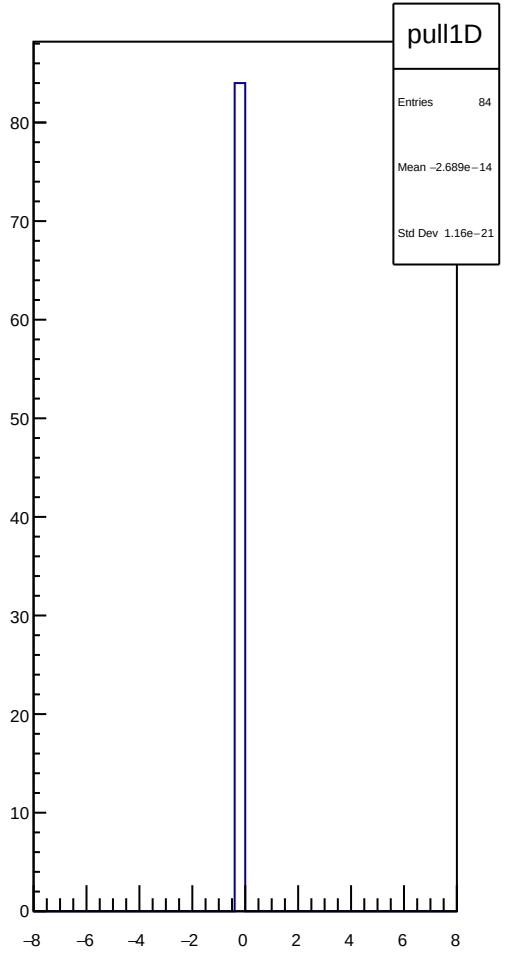

pull1D
Entries 84
Mean 7.082e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

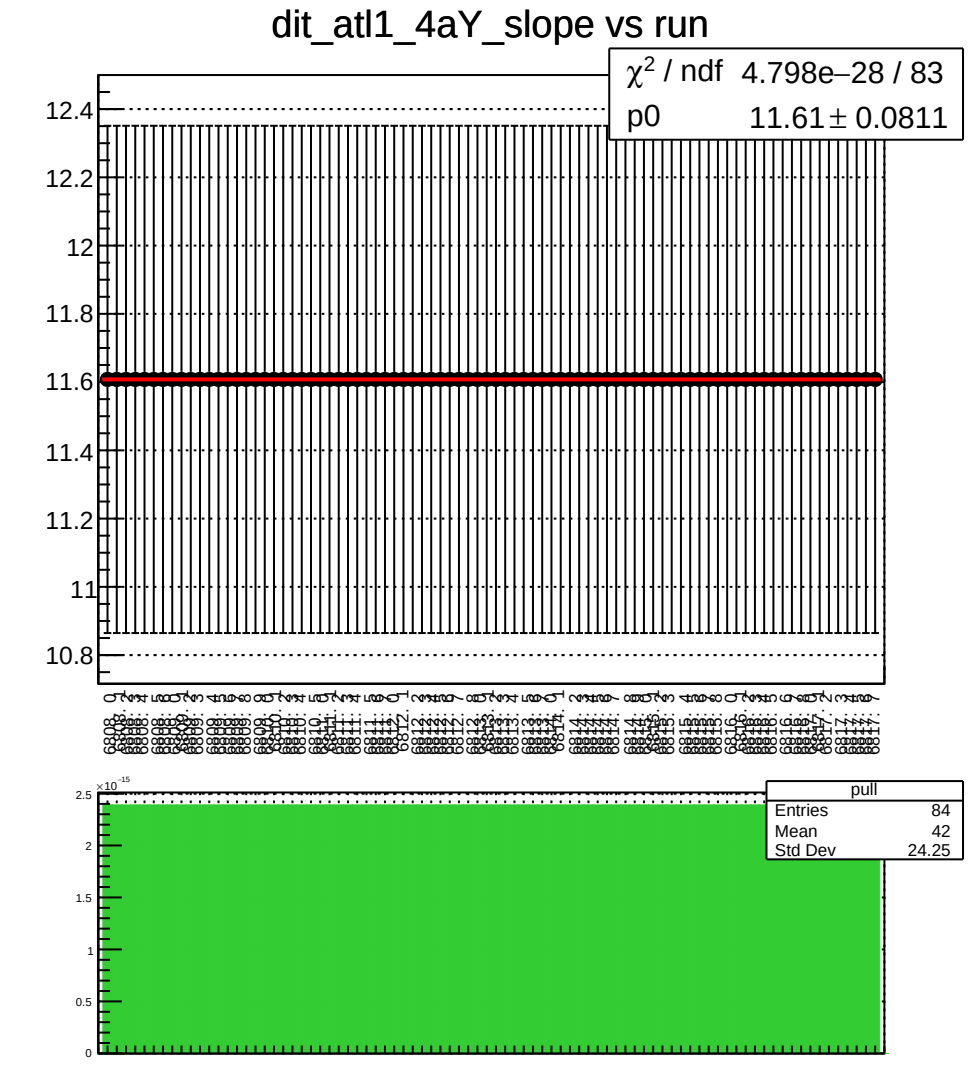

dit_atl1_4aX_slope vs run
χ² / ndf 2.377e−26 / 83
p0 −49.53 ± 0.4148
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −1.682e−14
Std Dev 8.731e−22

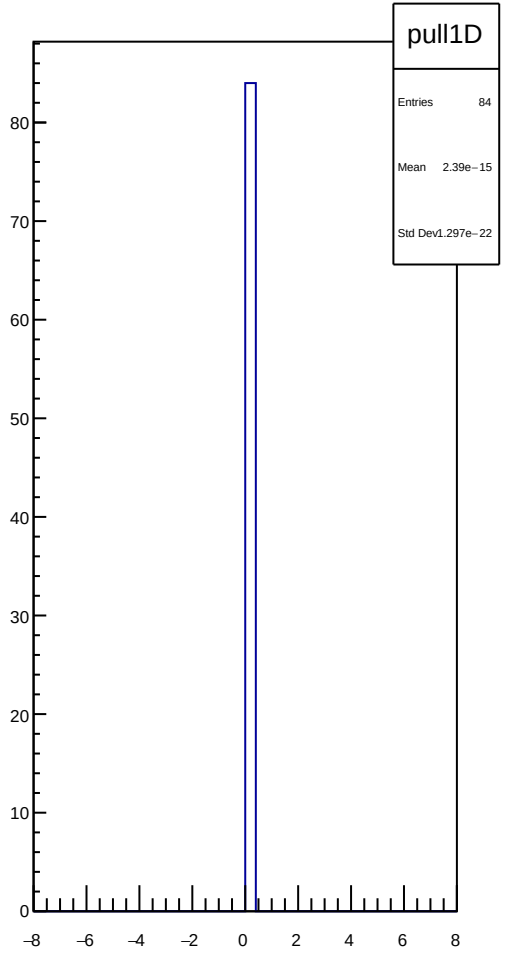

dit_atl1_4eX_slope vs run
χ² / ndf 1.535e−25 / 83
p0 83.66 ± 0.3264
87
86
85
84
83
82
81
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

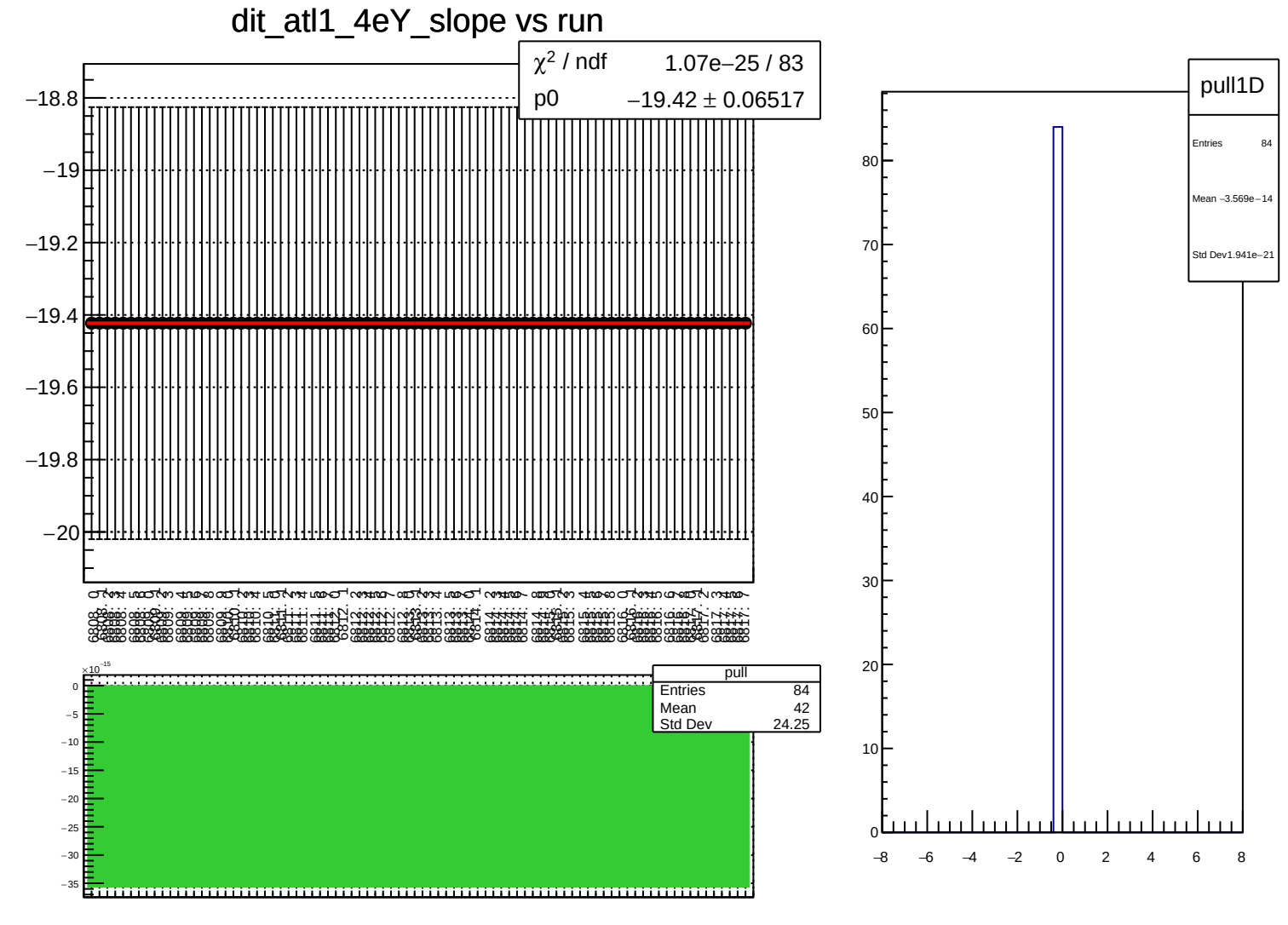

pull1D
Entries 84
Mean −4.275e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

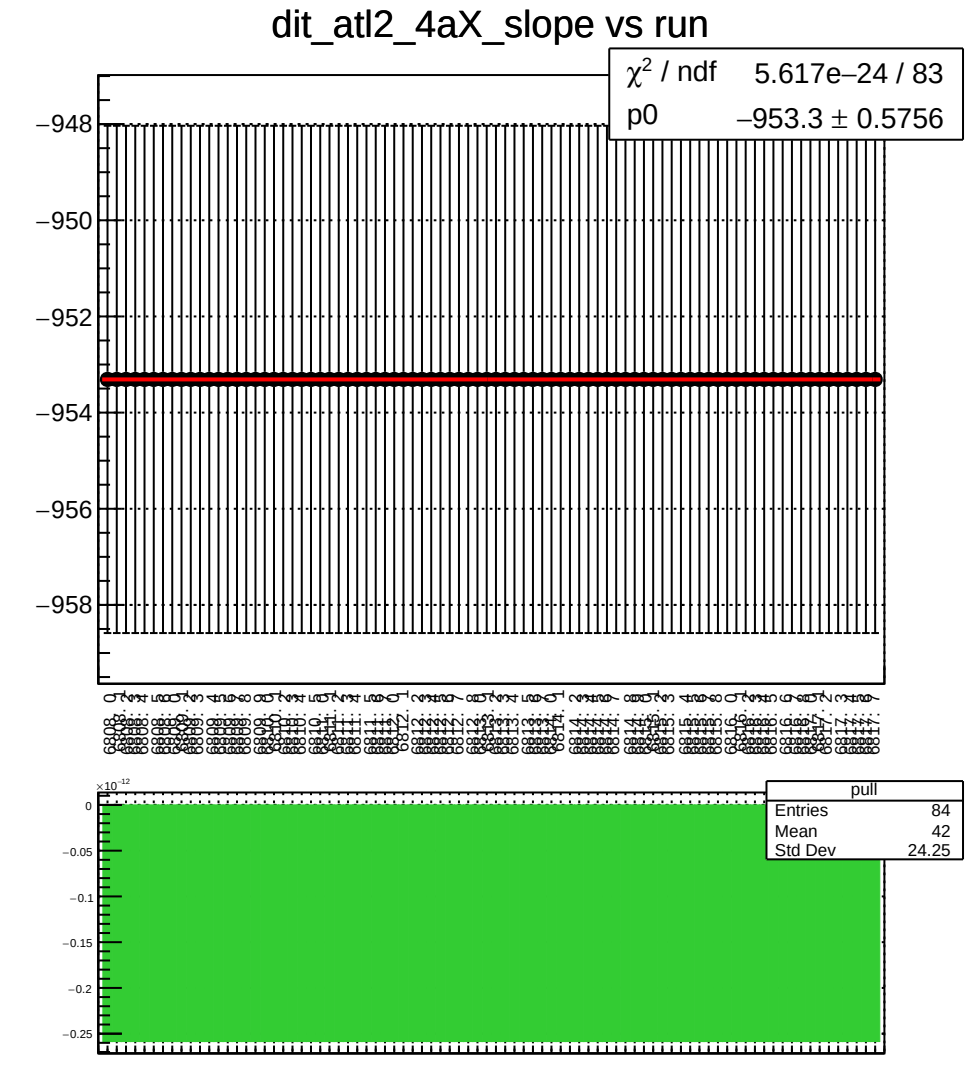

dit_atl1_11X12X_slope vs run
χ² / ndf 6.074e−26 / 83
p0 −17.91 ± 0.04325
−17.5
−17.6
−17.7
−17.8
−17.9
−18
−18.1
−18.2
−18.3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 84
Mean 42
Std Dev 24.25

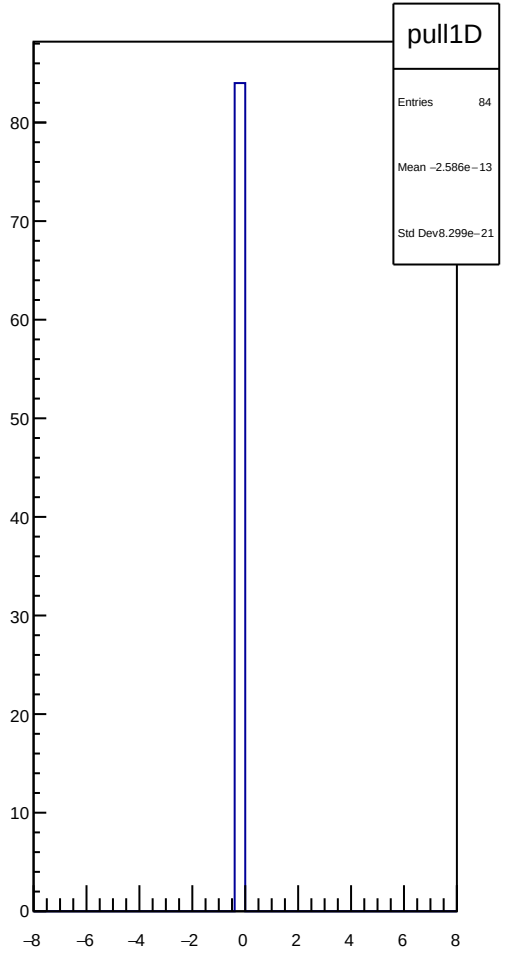

pull1D
Entries 84
Mean −2.689e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

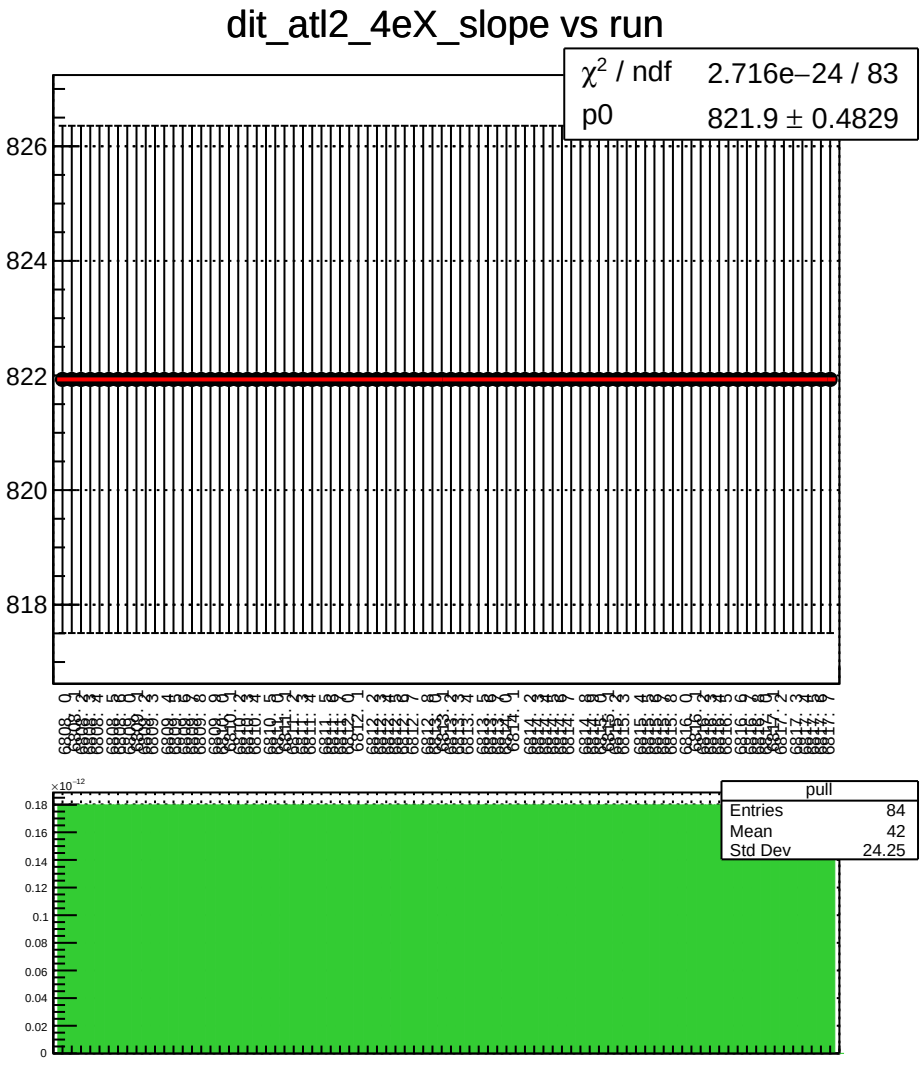

dit_atl1_4aY_slope vs run
χ² / ndf 4.798e−28 / 83
p0 11.61 ± 0.0811
12.4
12.2
12
11.8
11.6
11.4
11.2
11
10.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

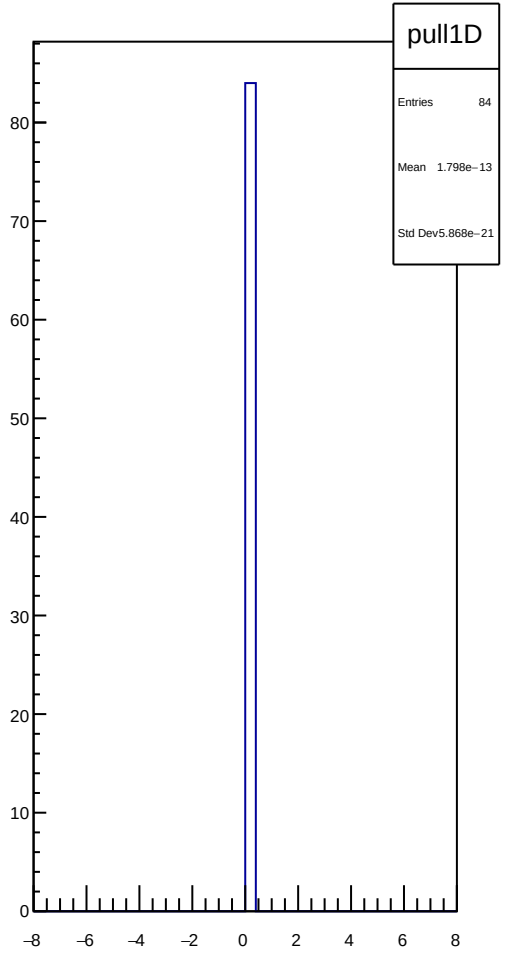

pull1D
Entries 84
Mean 2.39e−15
Std Dev1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

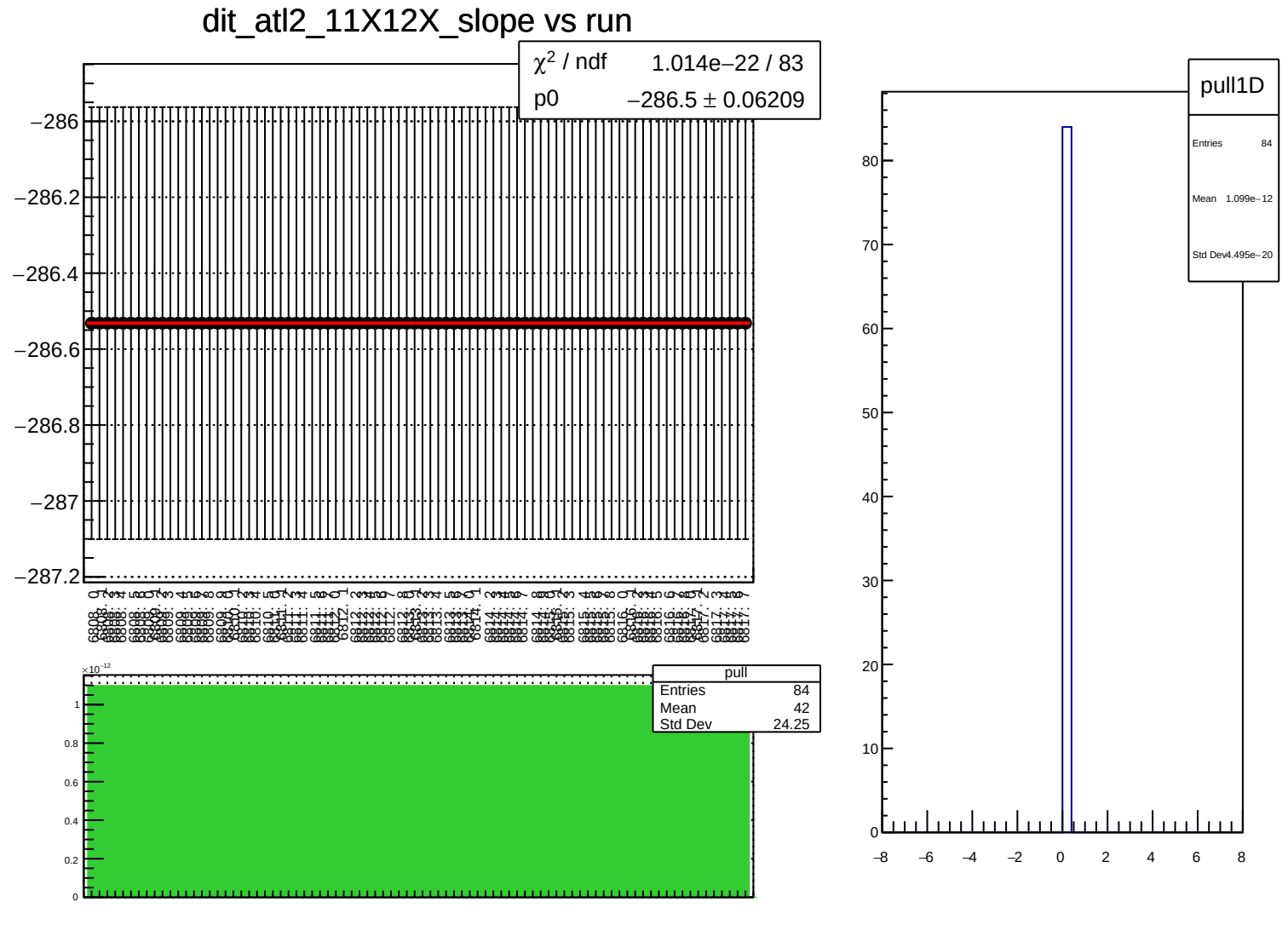

dit_atl1_4eY_slope vs run
χ² / ndf 1.07e−25 / 83
p0 −19.42 ± 0.06517
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 84
Mean −3.569e−14
Std Dev1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

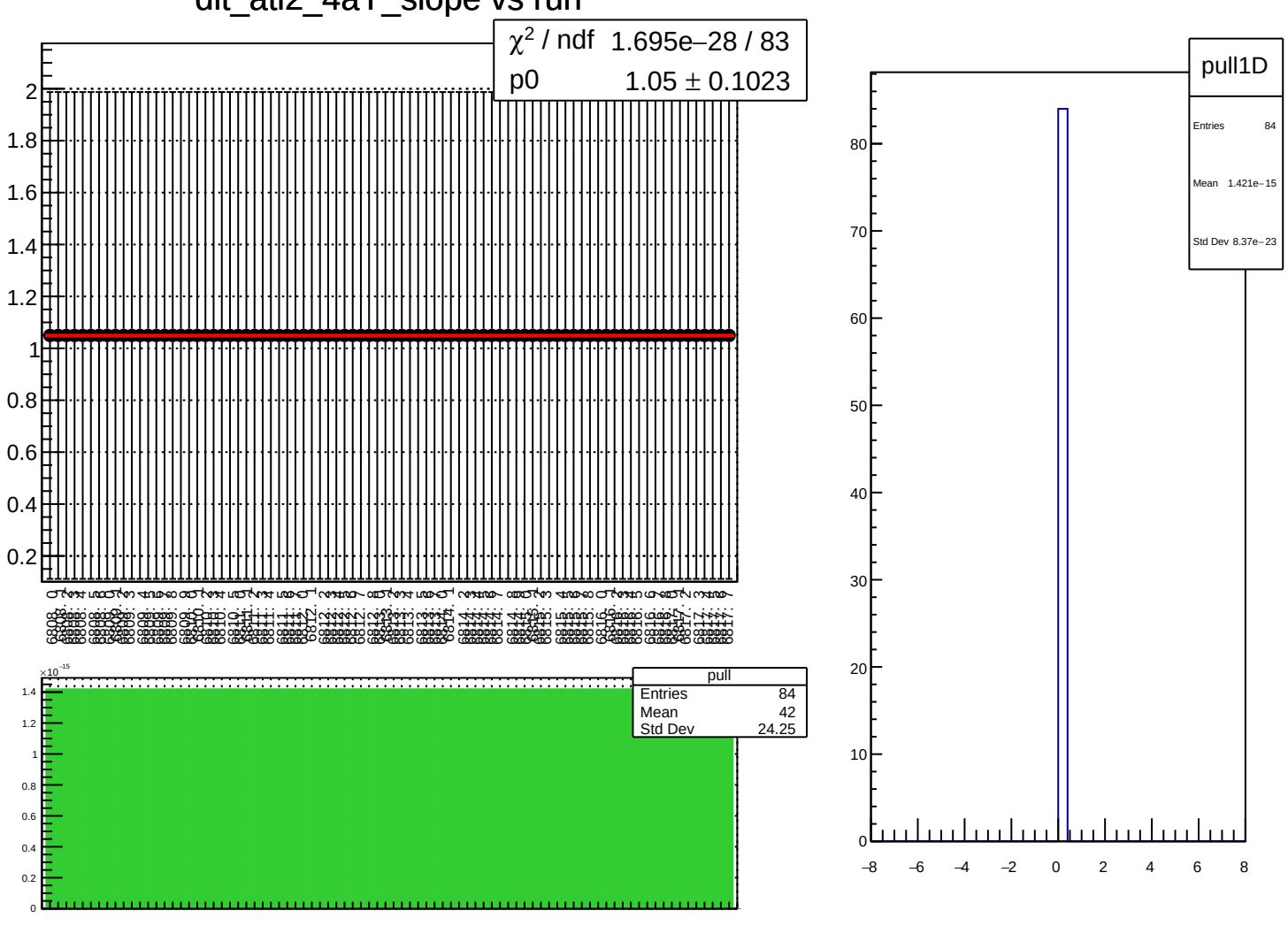

dit_atl2_4aX_slope vs run
χ² / ndf 5.617e−24 / 83
p0 −953.3 ± 0.5756
−948
−950
−952
−954
−956
−958
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25

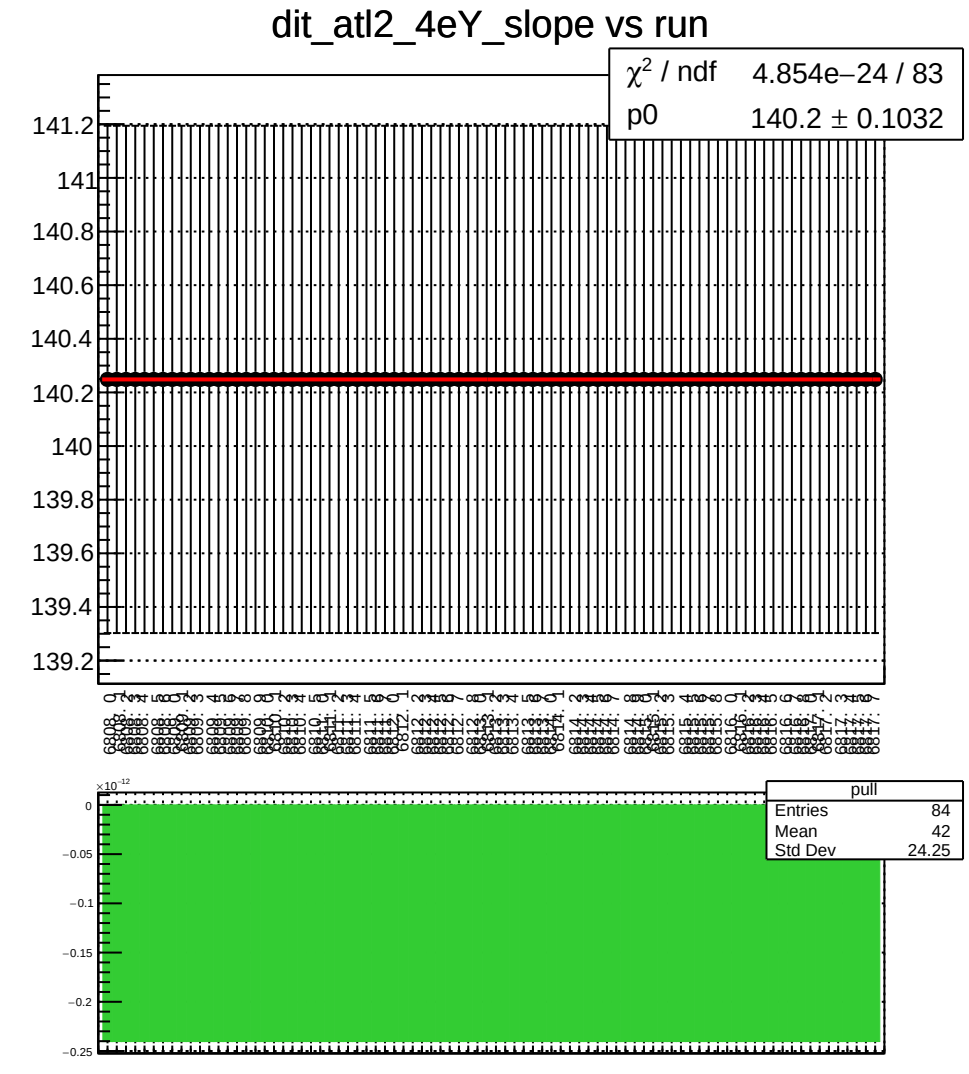

pull1D
Entries 84
Mean −2.586e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

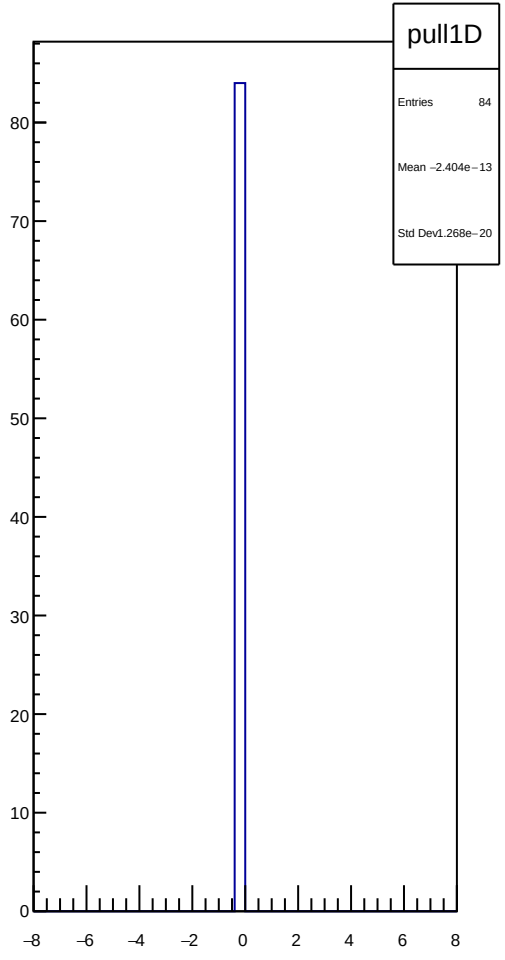

dit_atl2_4eX_slope vs run
χ² / ndf 2.716e−24 / 83
p0 821.9 ± 0.4829
826
824
822
820
818
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

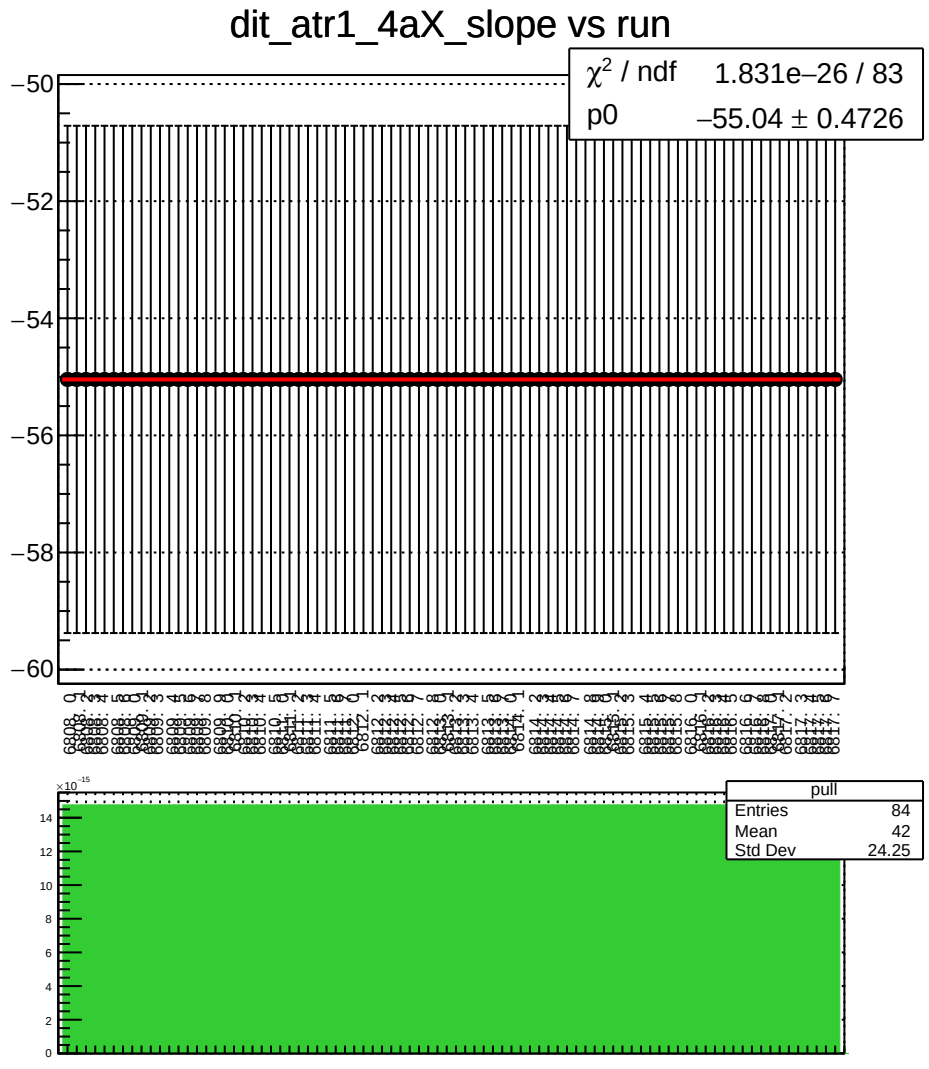

pull1D
Entries 84
Mean 1.798e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

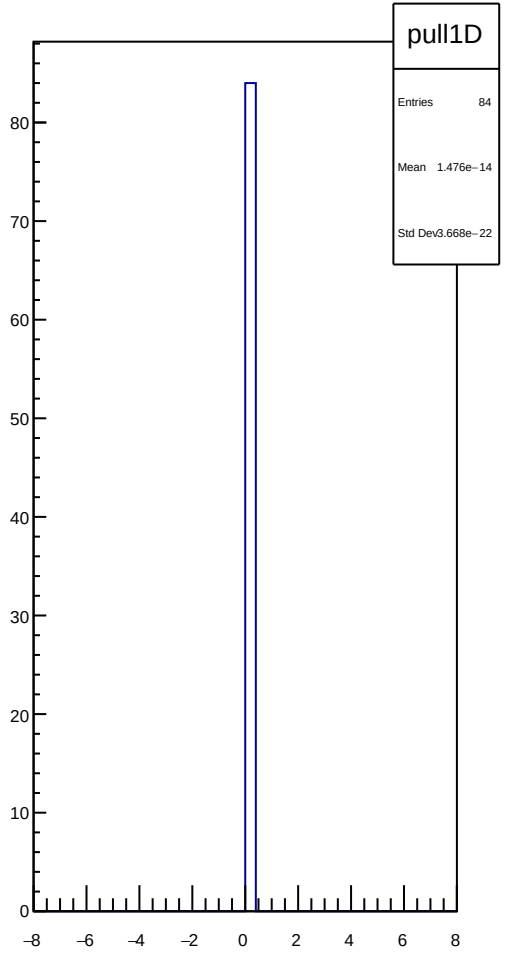

dit_atl2_11X12X_slope vs run
χ² / ndf 1.014e−22 / 83
p0 −286.5 ± 0.06209
−286
−286.2
−286.4
−286.6
−286.8
−287
−287.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
pull1D
Entries 84
Mean 1.099e−12
Std Dev4.495e−20

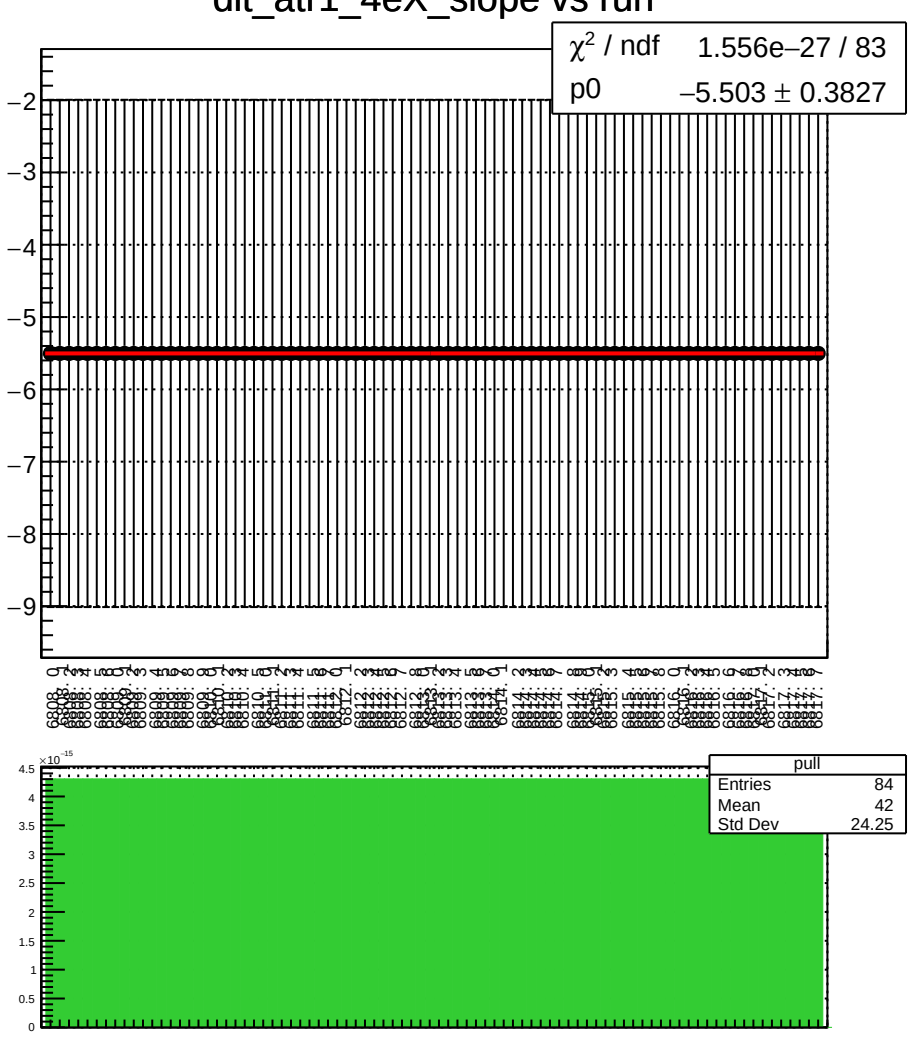

dit_atl2_4aY_slope vs run
χ² / ndf 1.695e−28 / 83
p0 1.05 ± 0.1023
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 1.421e−15
Std Dev 8.37e−23

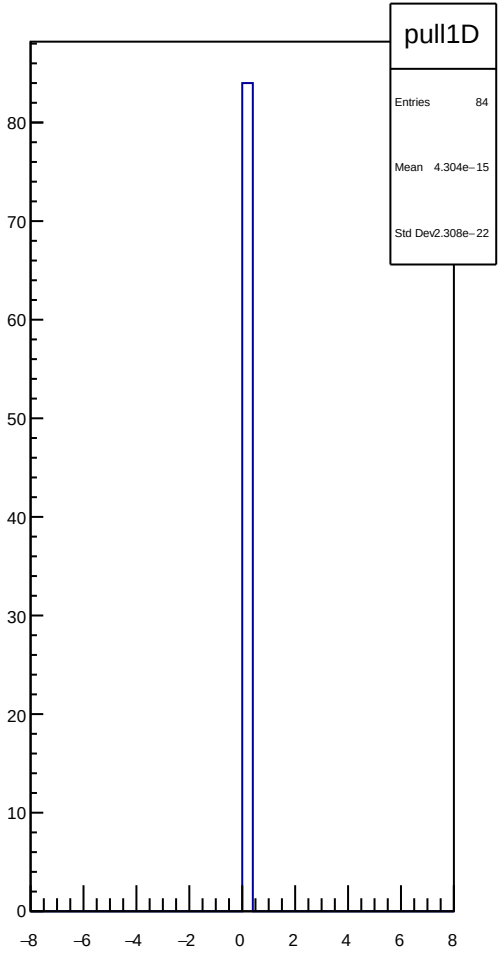

dit_atl2_4eY_slope vs run
χ² / ndf 4.854e−24 / 83
p0 140.2 ± 0.1032
141.2
141
140.8
140.6
140.4
140.2
140
139.8
139.6
139.4
139.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25

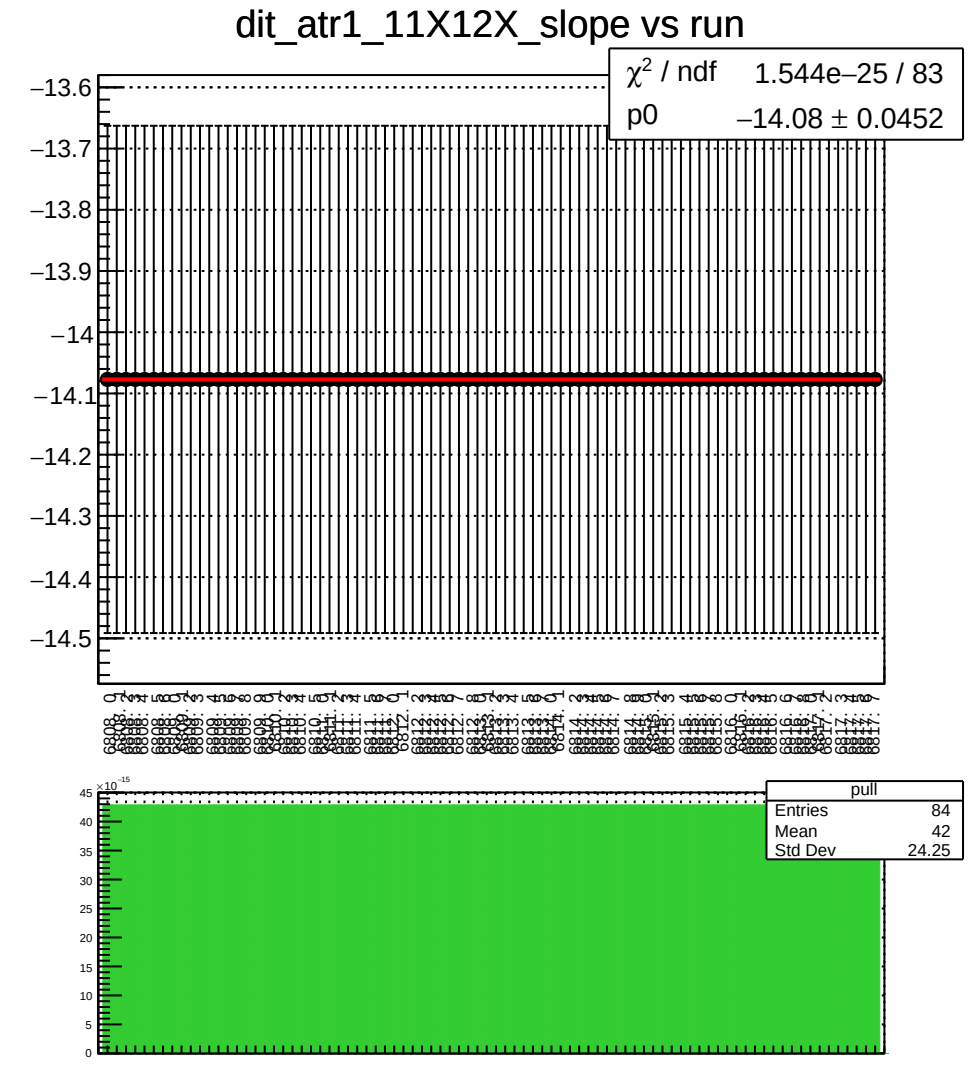

pull1D
Entries 84
Mean −2.404e−13
Std Dev1.268e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

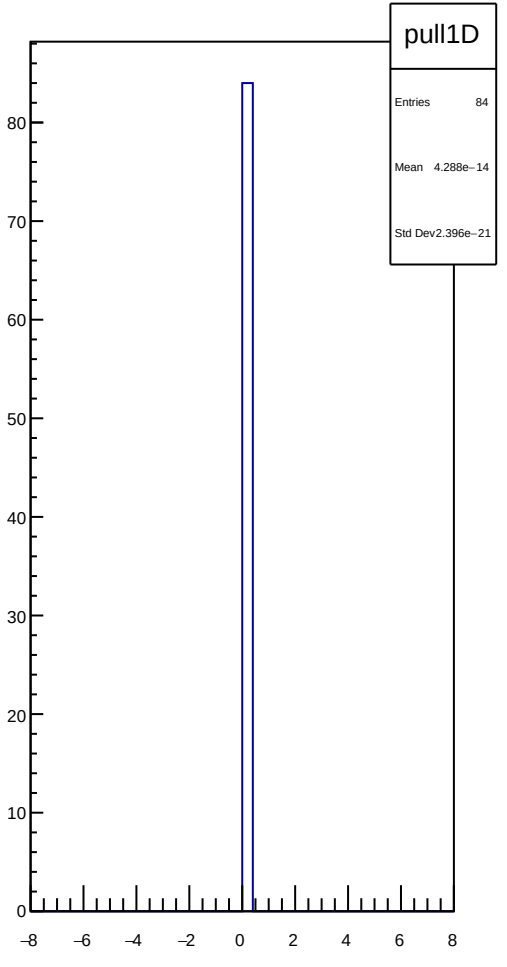

dit_atr1_4aX_slope vs run
χ² / ndf 1.831e−26 / 83
p0 −55.04 ± 0.4726
−50
−52
−54
−56
−58
−60
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
14
12
10
8
6
4
2
0

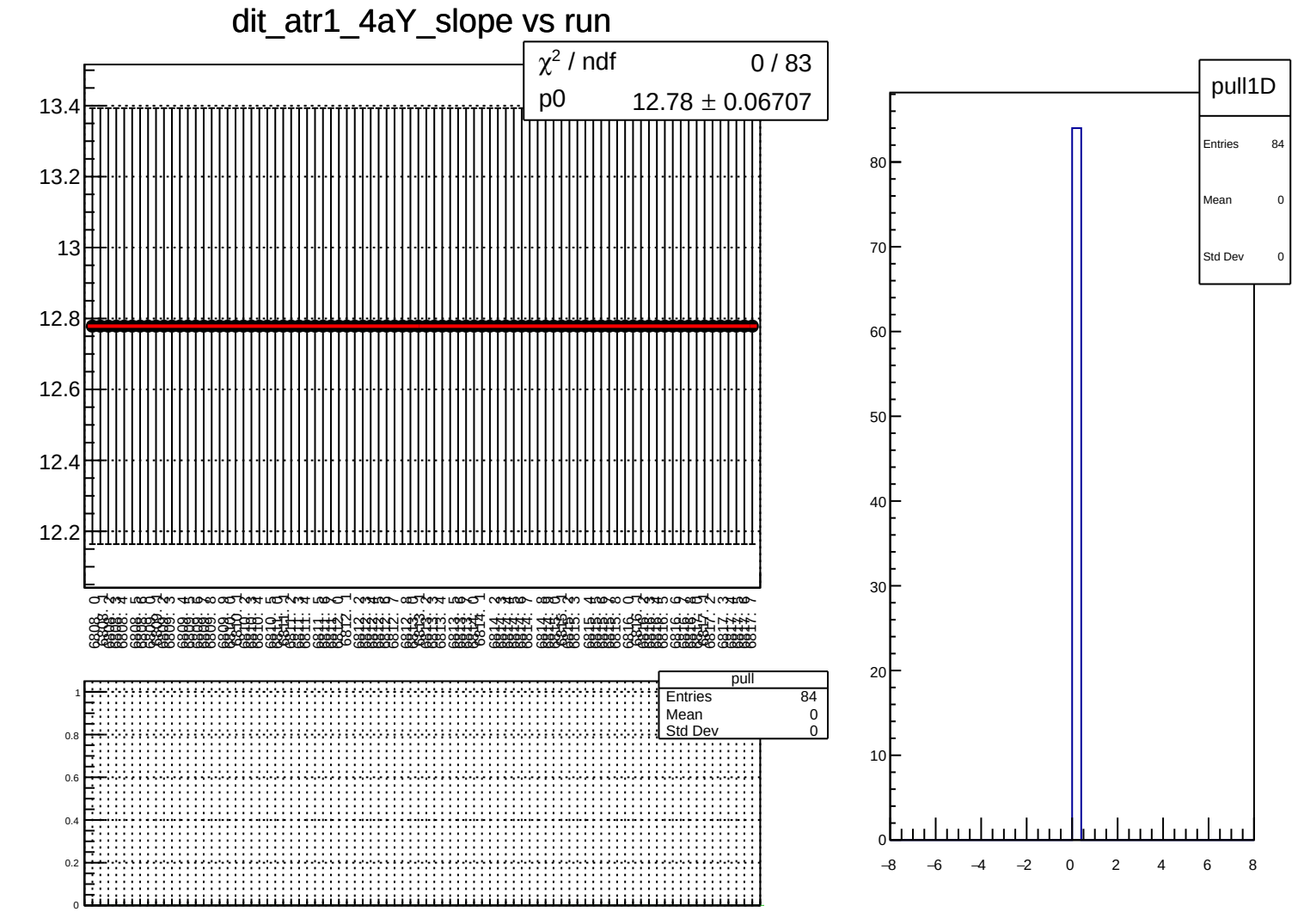

pull1D
Entries 84
Mean 1.476e−14
Std Dev3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

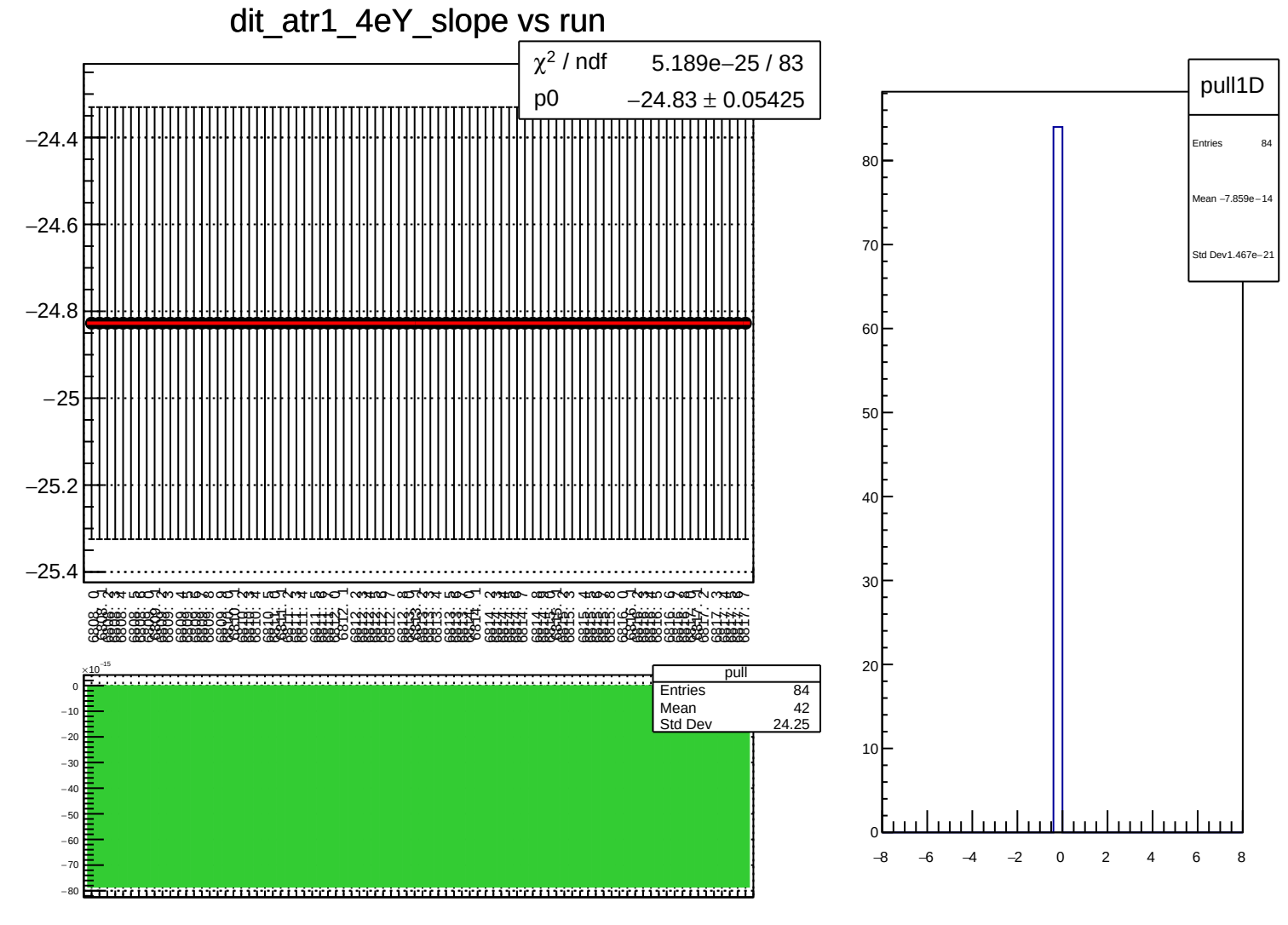

dit_atr1_4eX_slope vs run
χ² / ndf 1.556e−27 / 83
p0 −5.503 ± 0.3827
pull
Entries 84
Mean 42
Std Dev 24.25

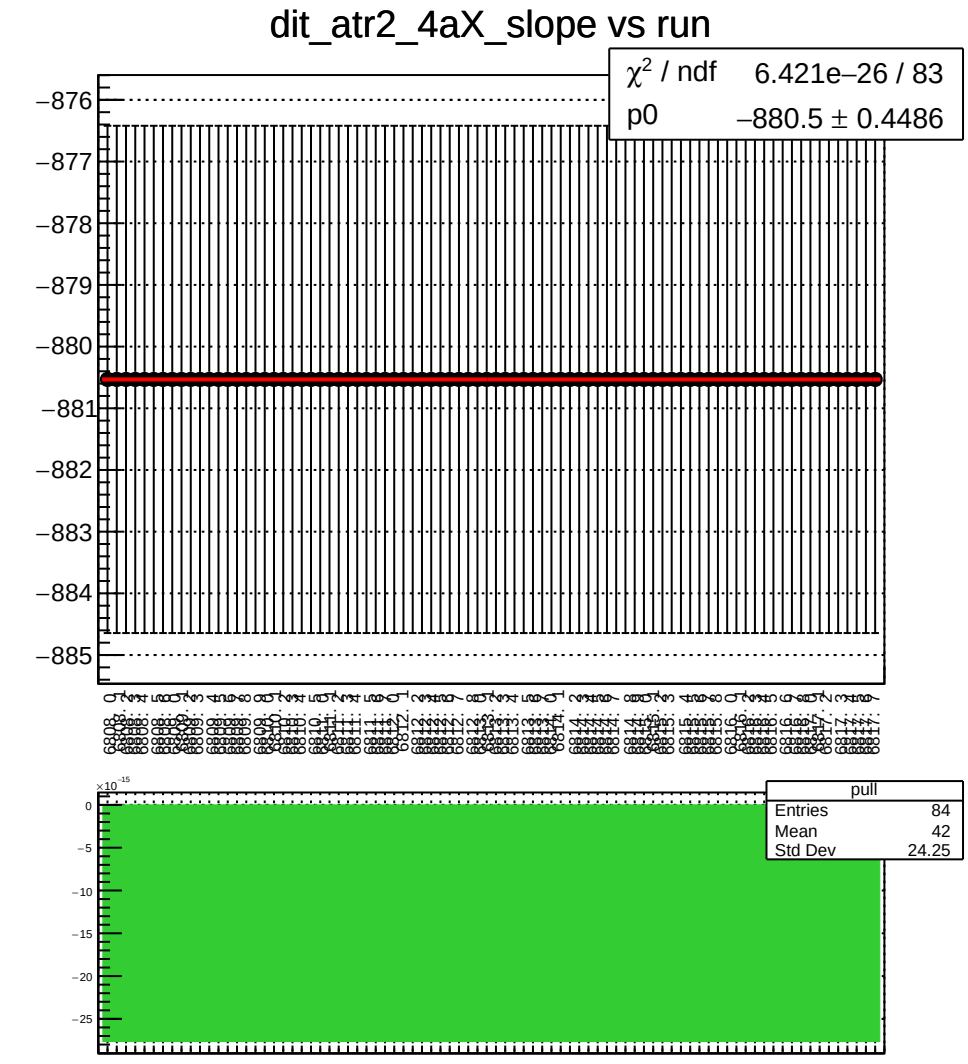

pull1D
Entries 84
Mean 4.304e−15
Std Dev 2.308e−22

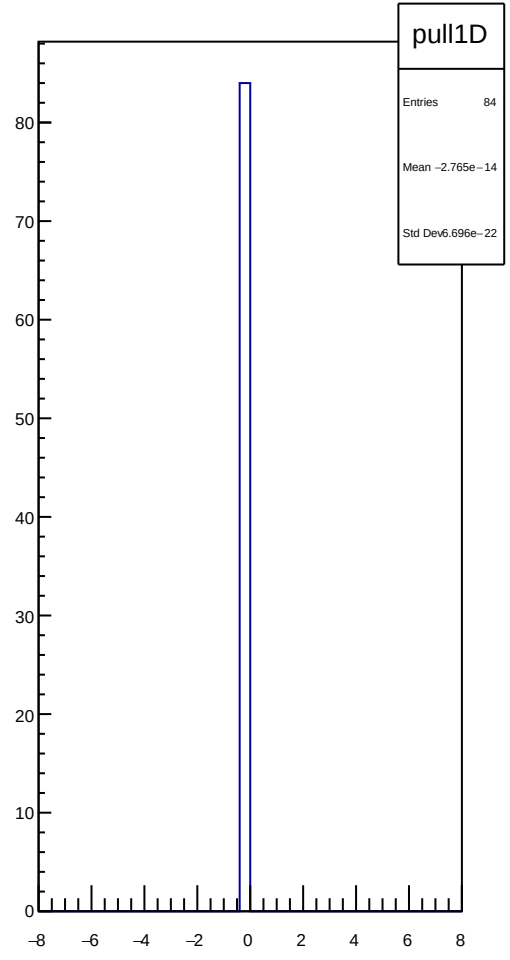

dit_atr1_11X12X_slope vs run
χ² / ndf 1.544e−25 / 83
p0 −14.08 ± 0.0452
−13.6
−13.7
−13.8
−13.9
−14
−14.1
−14.2
−14.3
−14.4
−14.5
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull
Entries 84
Mean 42
Std Dev 24.25

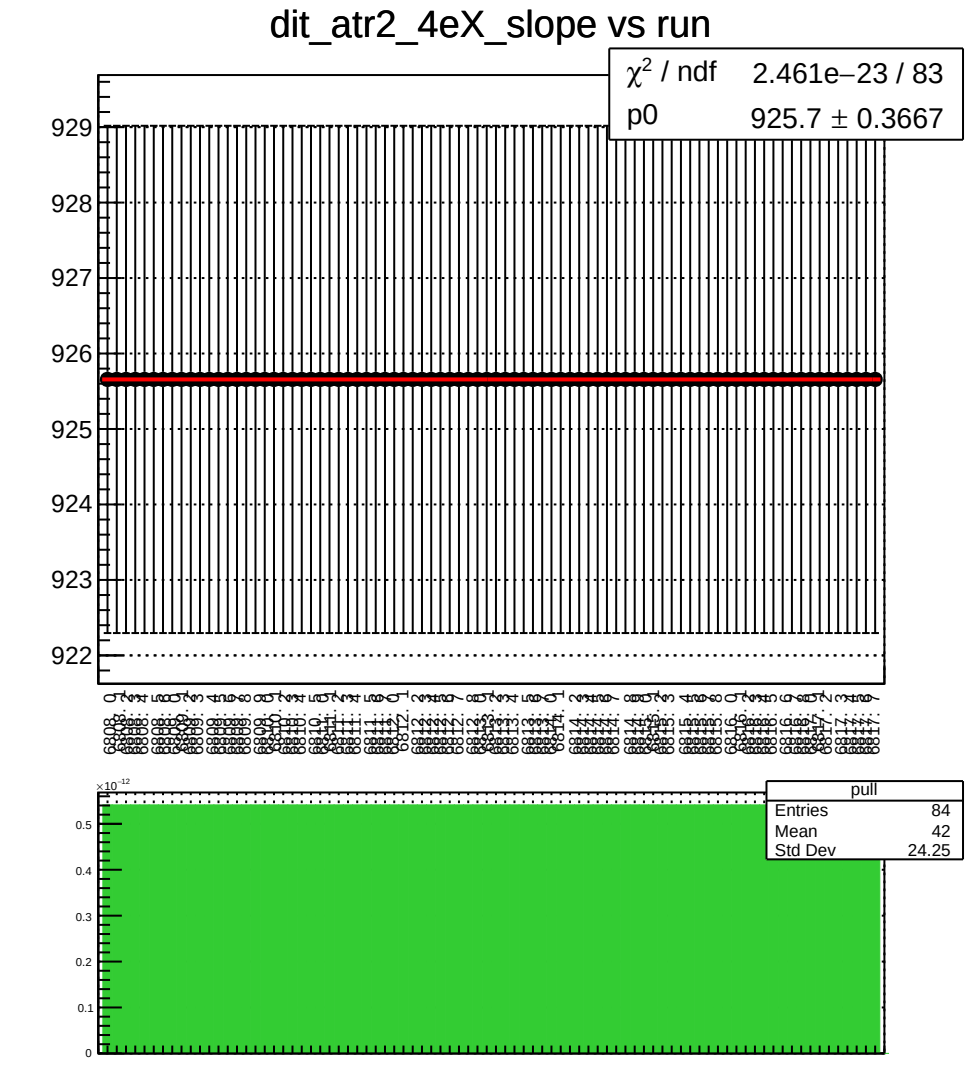

pull1D
Entries 84
Mean 4.288e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

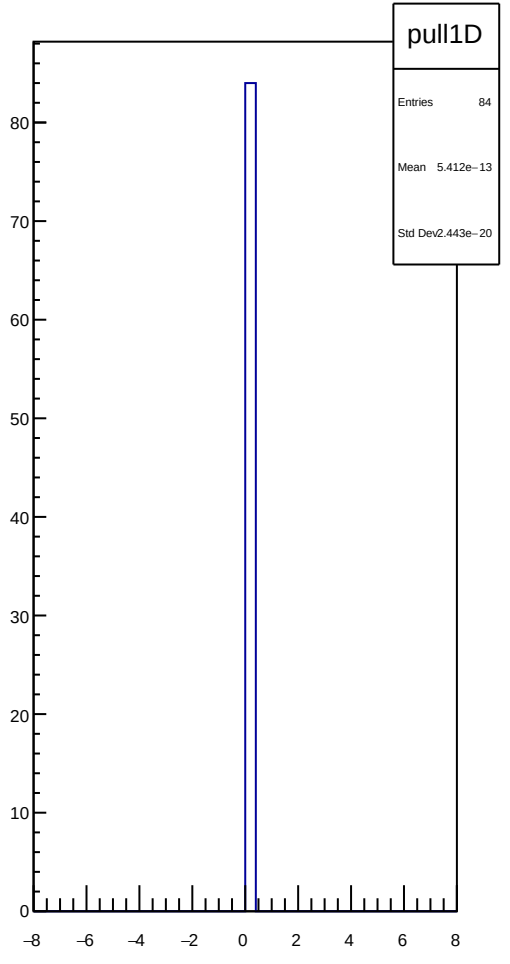

dit_atr1_4aY_slope vs run
χ² / ndf 0 / 83
p0 12.78 ± 0.06707
13.4
13.2
13
12.8
12.6
12.4
12.2
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

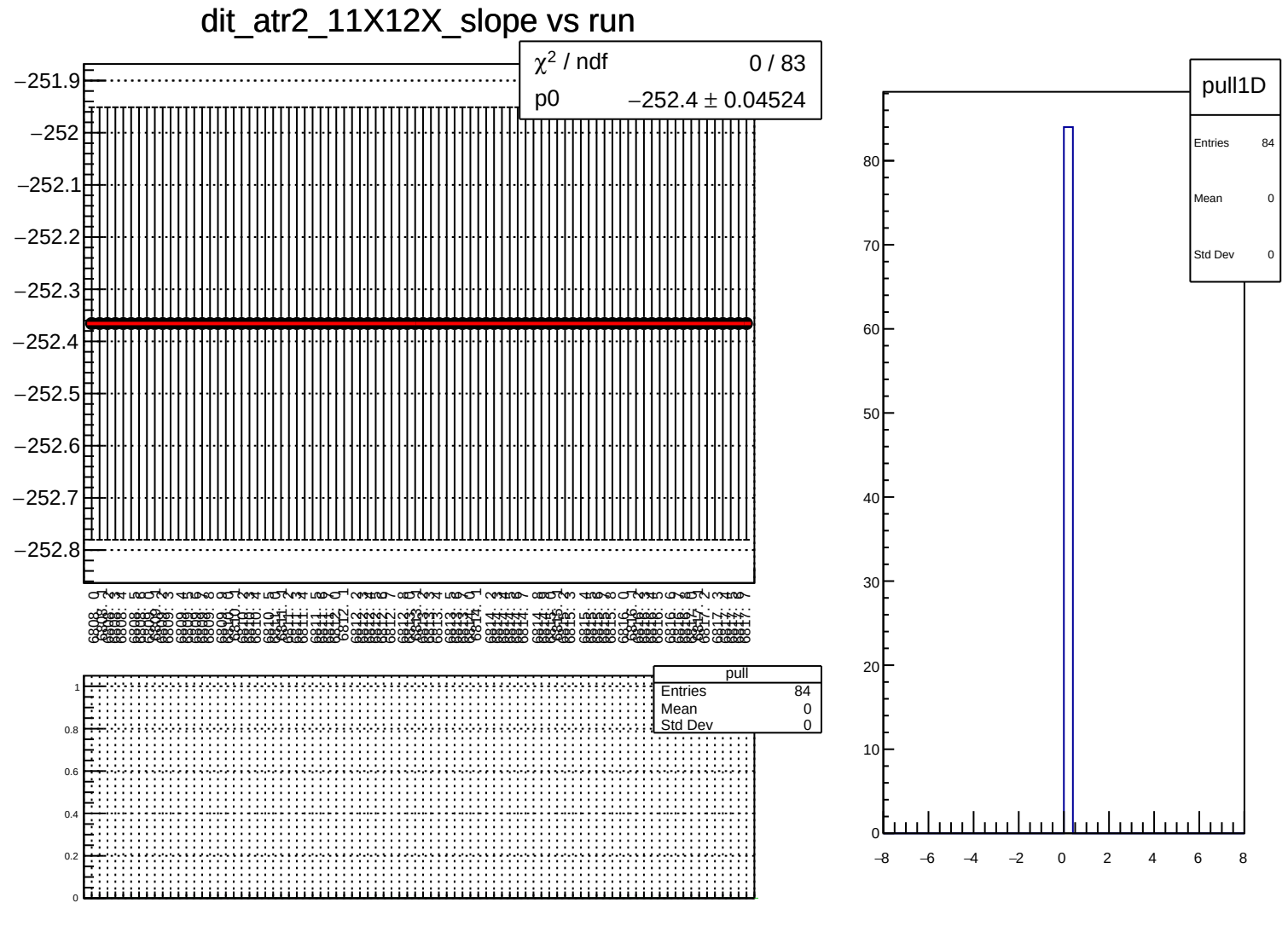

dit_atr1_4eY_slope vs run
χ² / ndf 5.189e−25 / 83
p0 −24.83 ± 0.05425
−24.4
−24.6
−24.8
−25
−25.2
−25.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 84
Mean −7.859e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

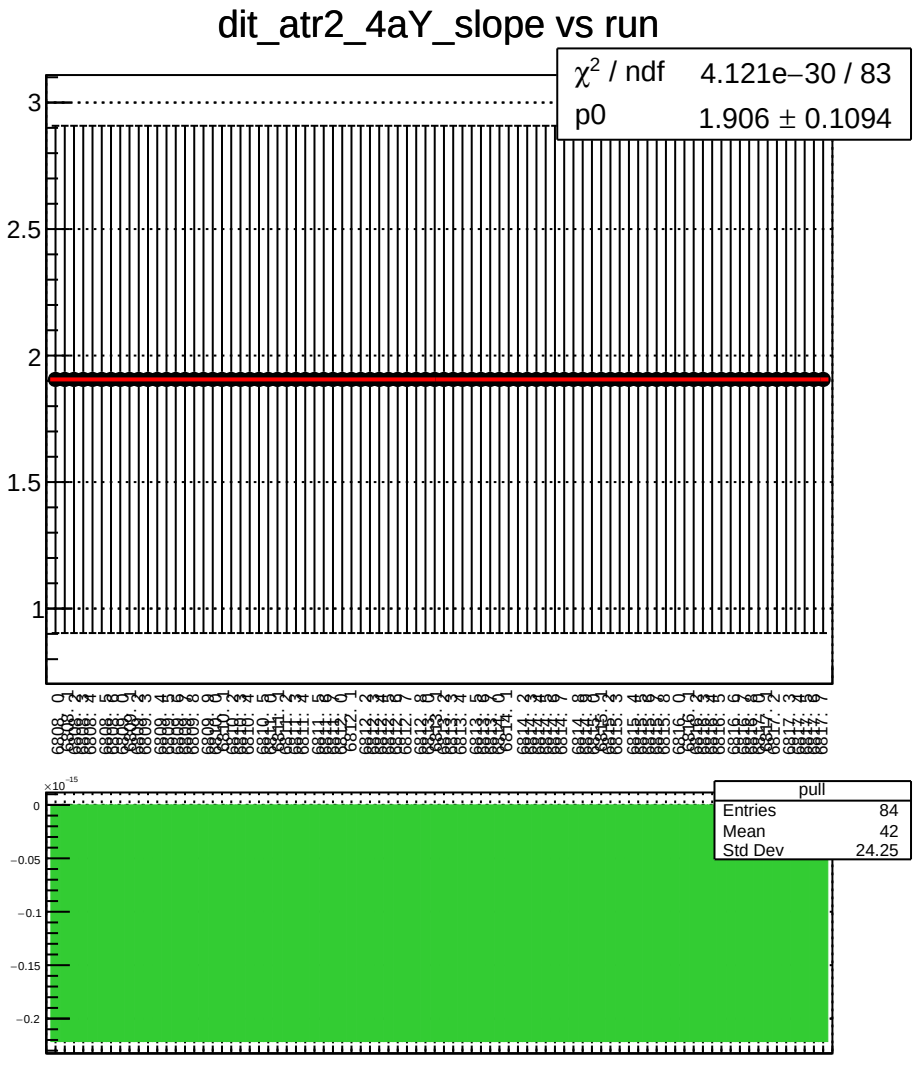

dit_atr2_4aX_slope vs run
χ² / ndf 6.421e−26 / 83
p0 −880.5 ± 0.4486
−876
−877
−878
−879
−880
−881
−882
−883
−884
−885
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25

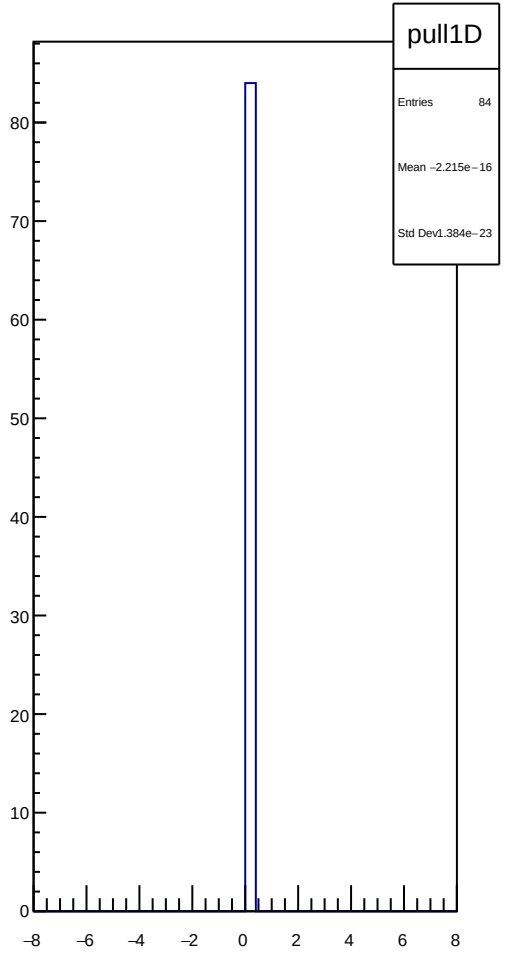

pull1D
Entries 84
Mean −2.765e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

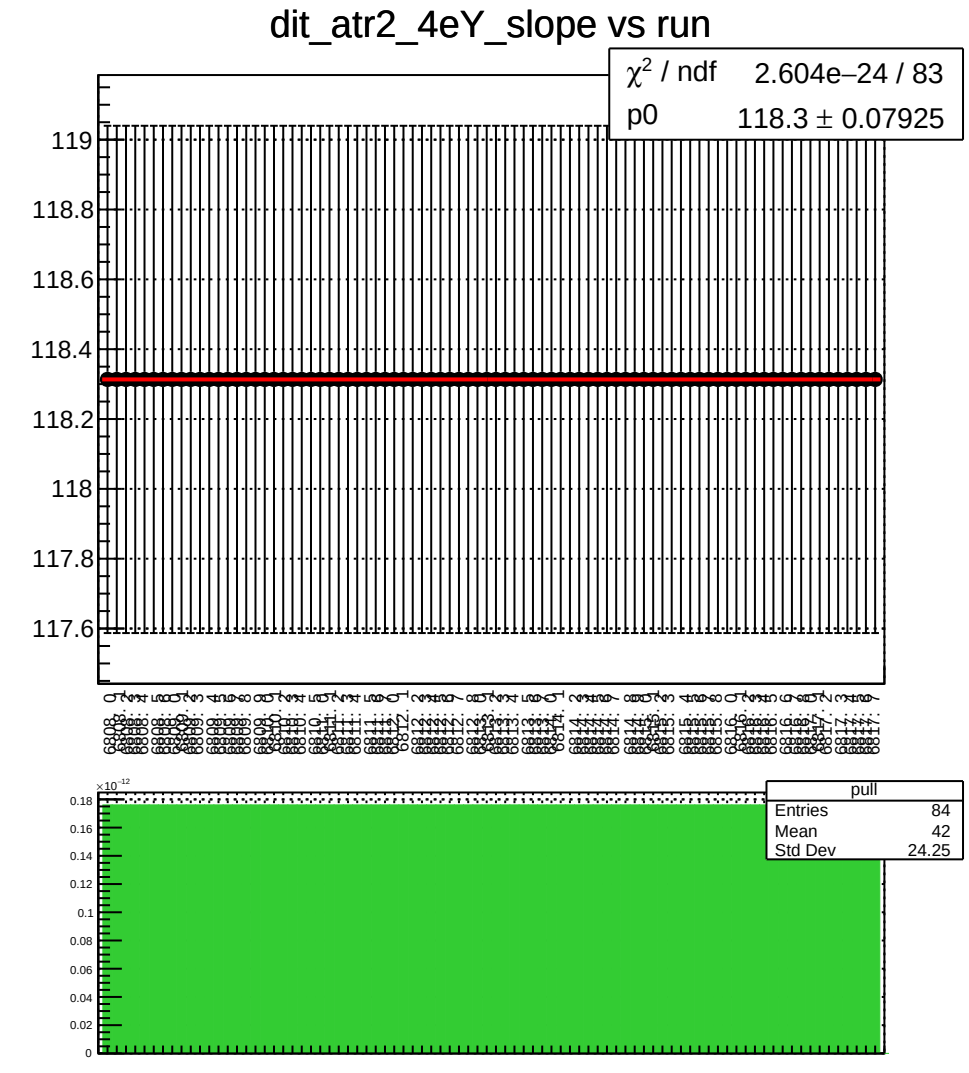

dit_atr2_4eX_slope vs run
χ² / ndf 2.461e−23 / 83
p0 925.7 ± 0.3667
929
928
927
926
925
924
923
922
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0

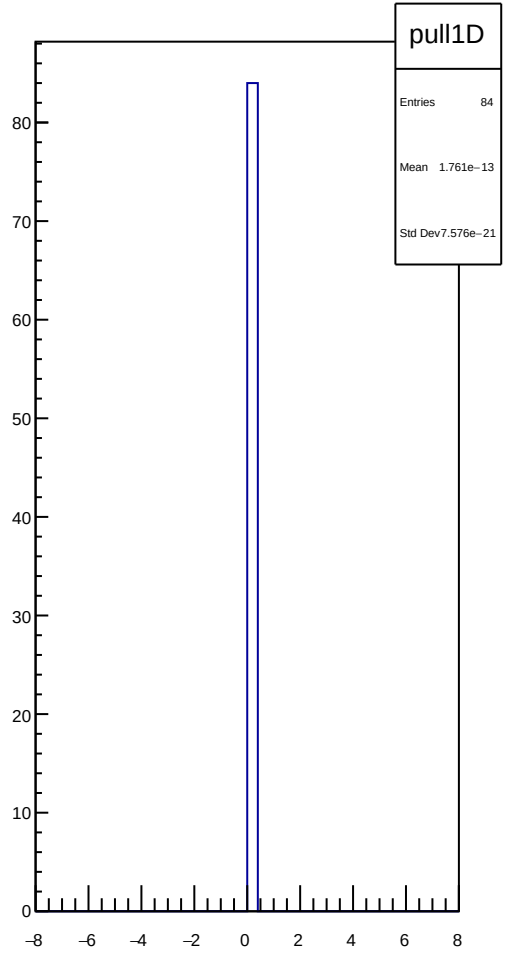

pull1D
Entries 84
Mean 5.412e−13
Std Dev 2.443e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

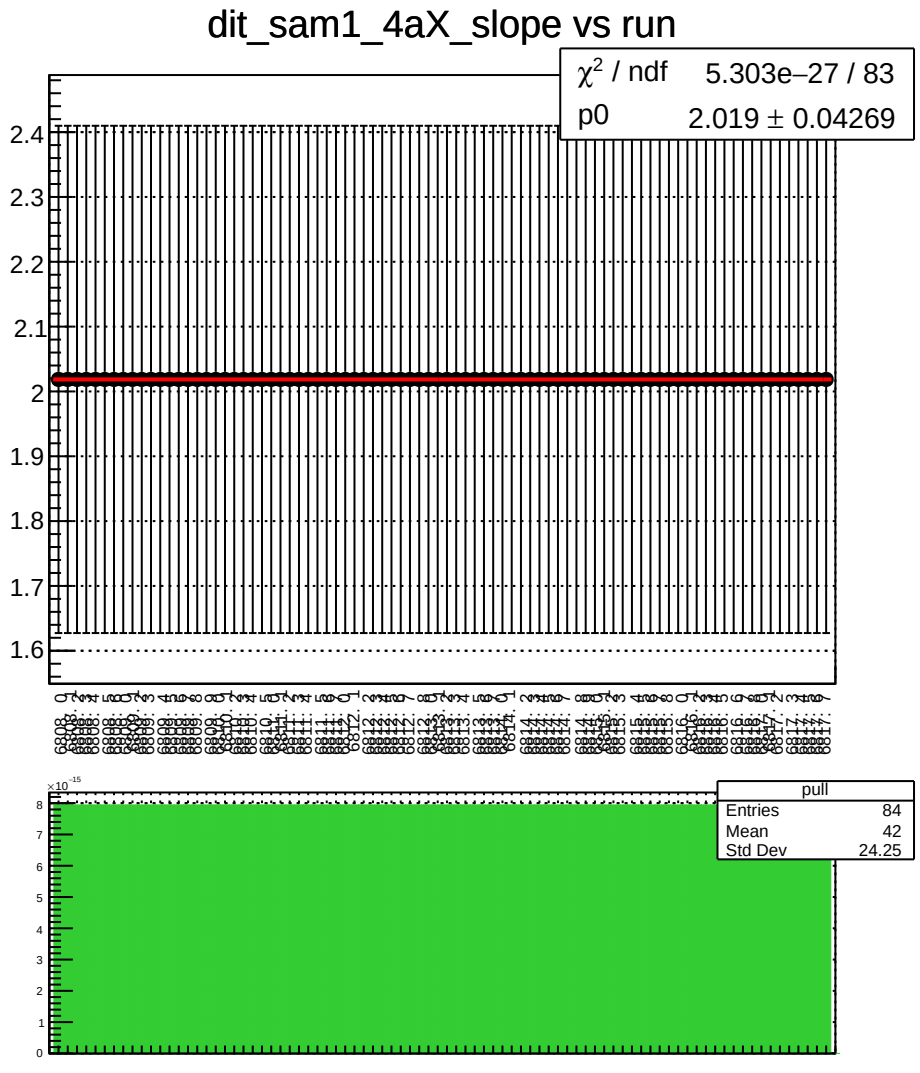

dit_atr2_11X12X_slope vs run
χ² / ndf 0 / 83
p0 −252.4 ± 0.04524
−251.9
−252
−252.1
−252.2
−252.3
−252.4
−252.5
−252.6
−252.7
−252.8
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

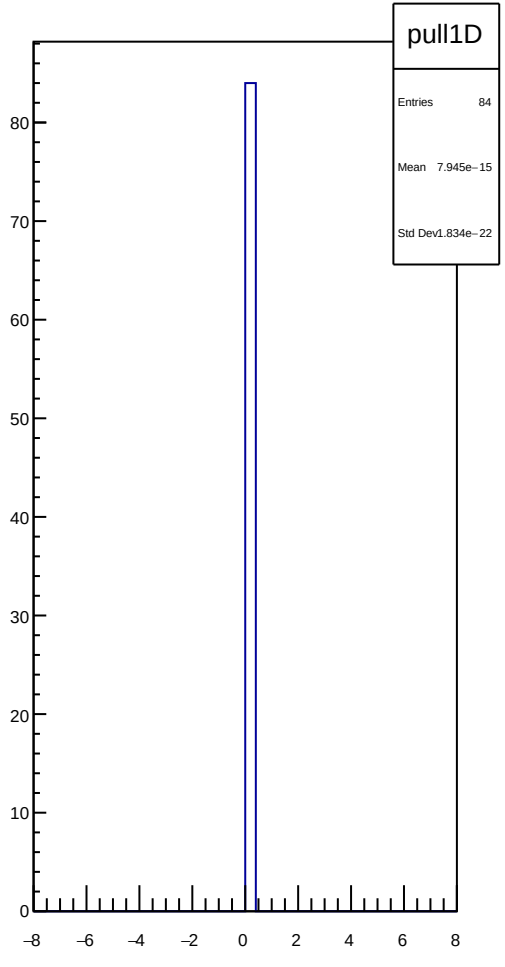

dit_atr2_4aY_slope vs run
χ² / ndf 4.121e−30 / 83
p0 1.906 ± 0.1094
pull
Entries 84
Mean 42
Std Dev 24.25

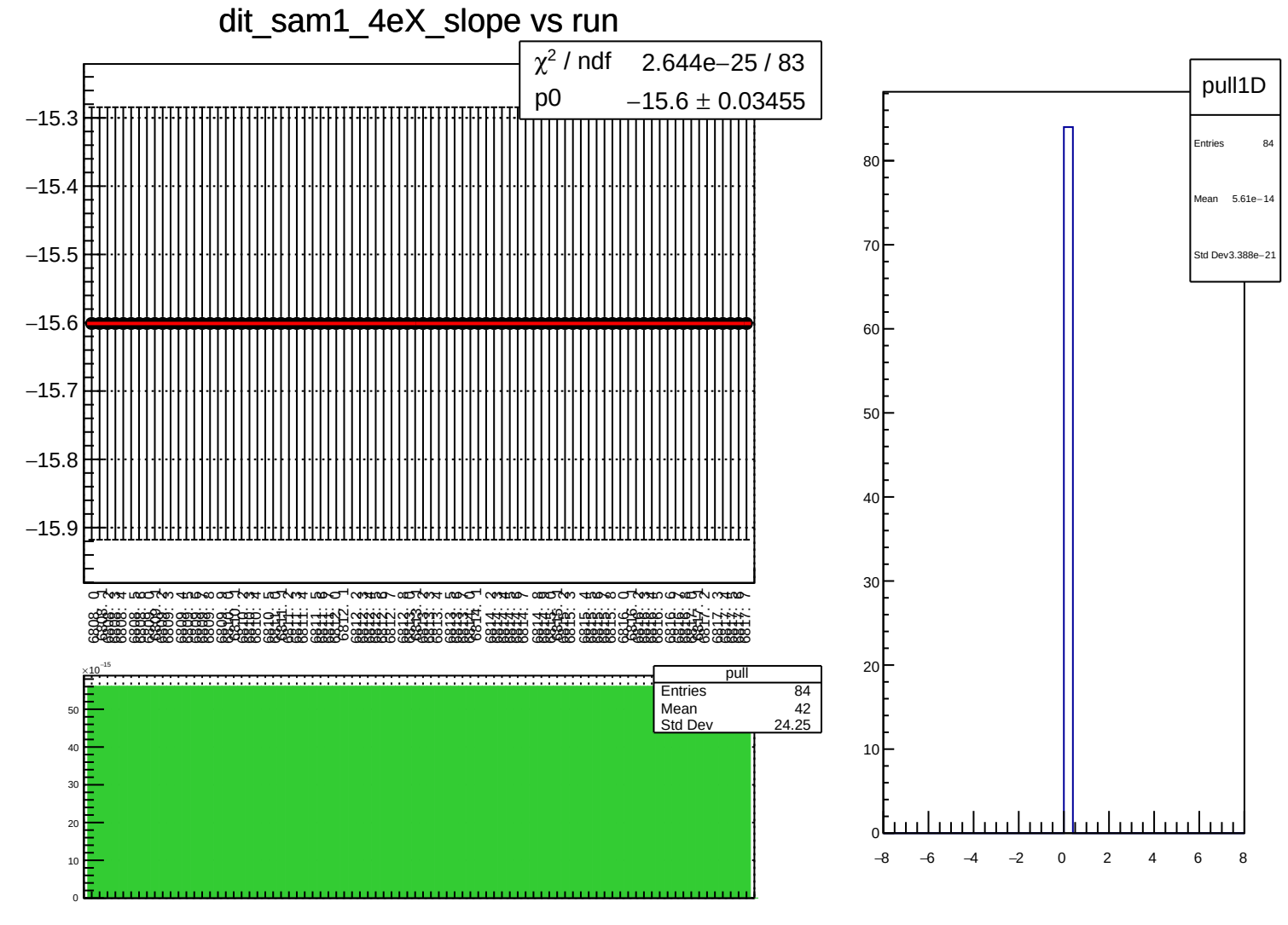

pull1D
Entries 84
Mean −2.215e−16
Std Dev1.384e−23

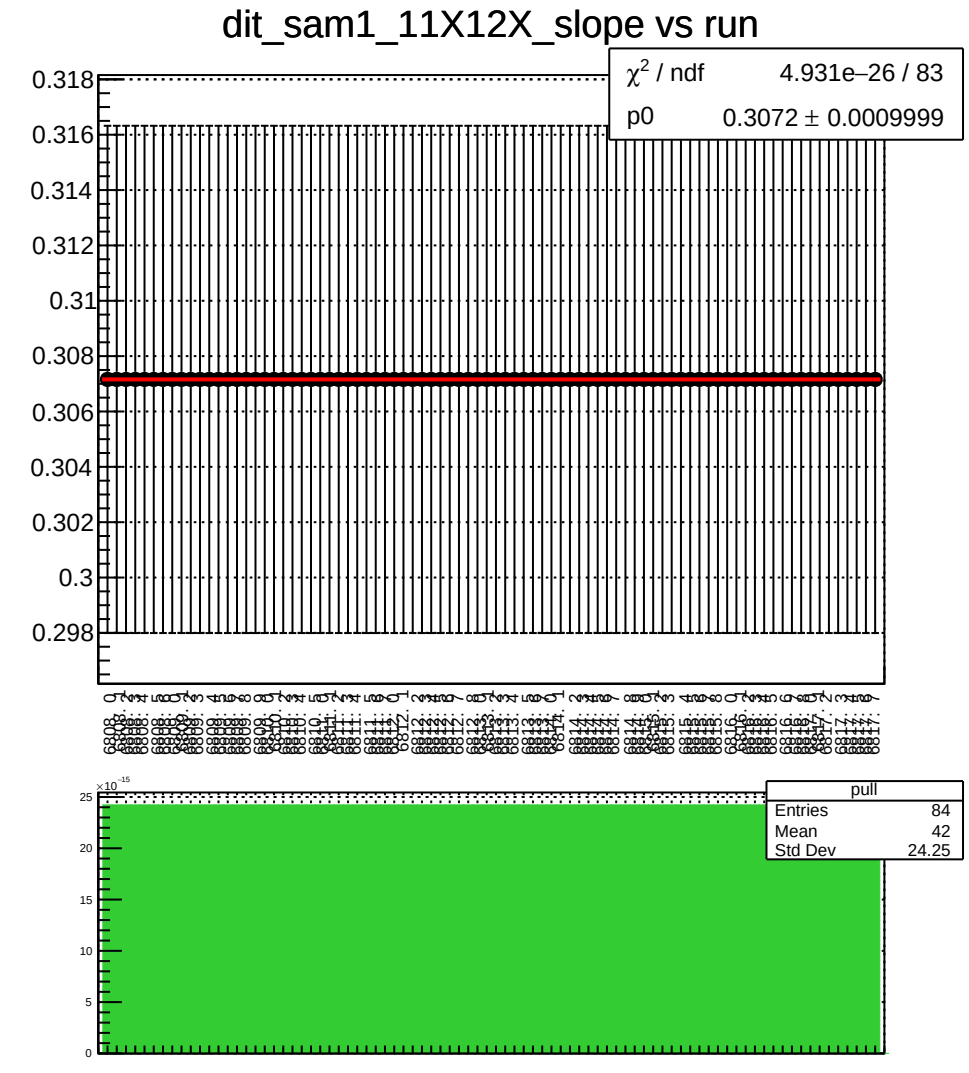

dit_atr2_4eY_slope vs run
χ² / ndf 2.604e−24 / 83
p0 118.3 ± 0.07925
119
118.8
118.6
118.4
118.2
118
117.8
117.6
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 84
Mean 42
Std Dev 24.25

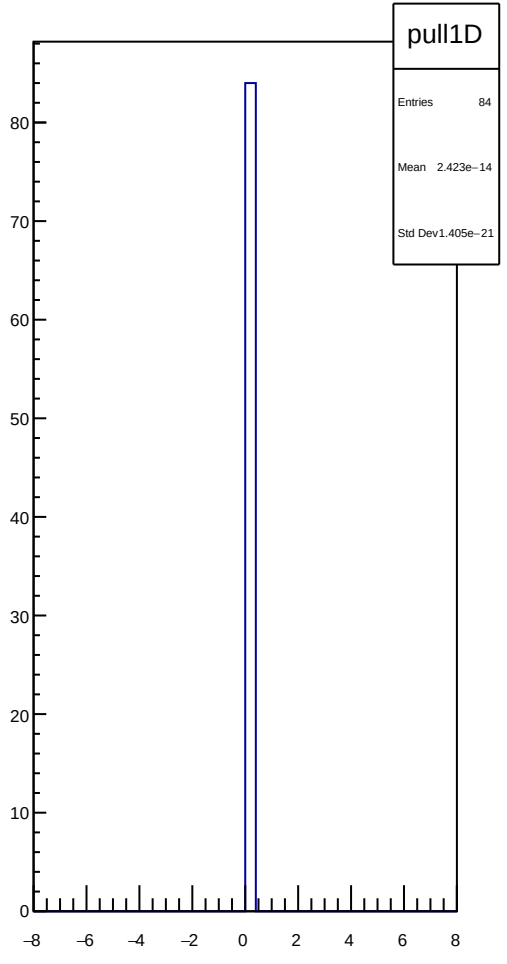

pull1D
Entries 84
Mean 1.761e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

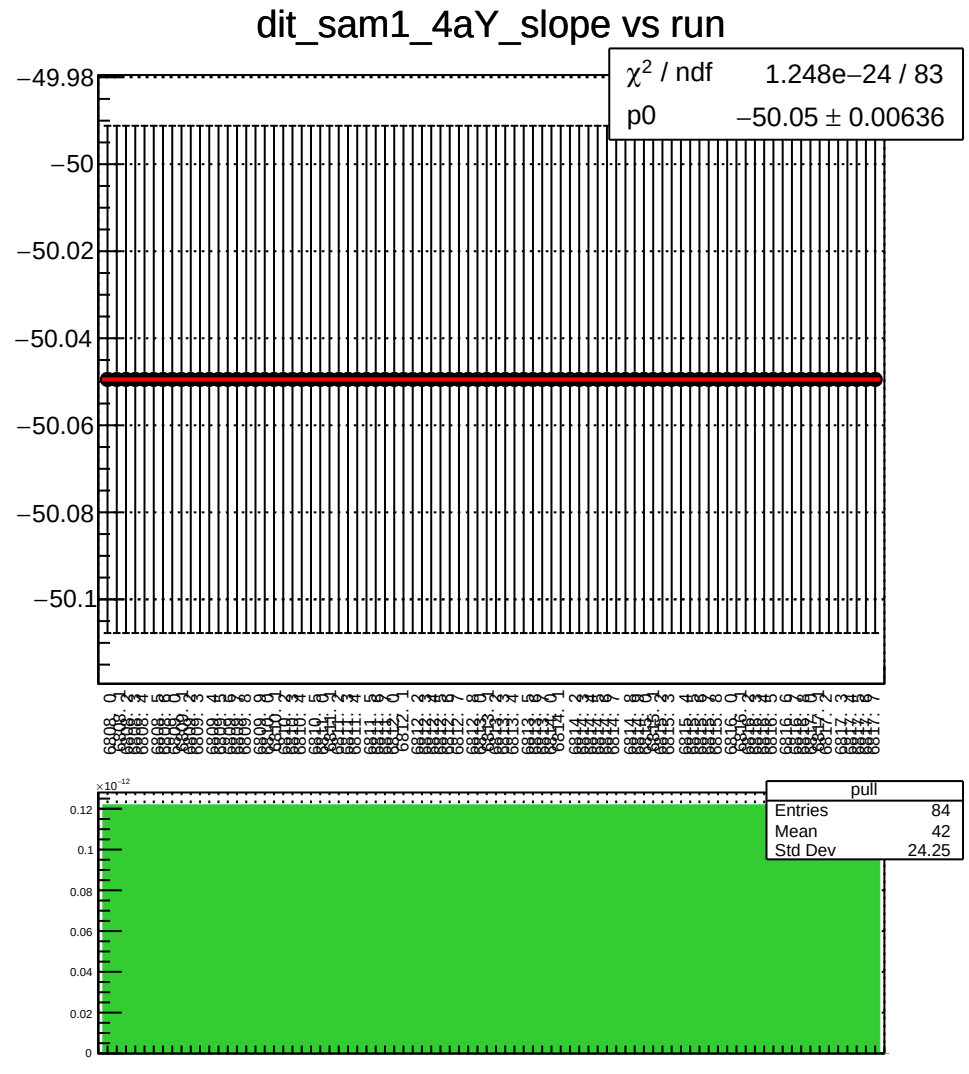

dit_sam1_4aX_slope vs run
χ² / ndf 5.303e−27 / 83
p0 2.019 ± 0.04269
pull
Entries 84
Mean 42
Std Dev 24.25

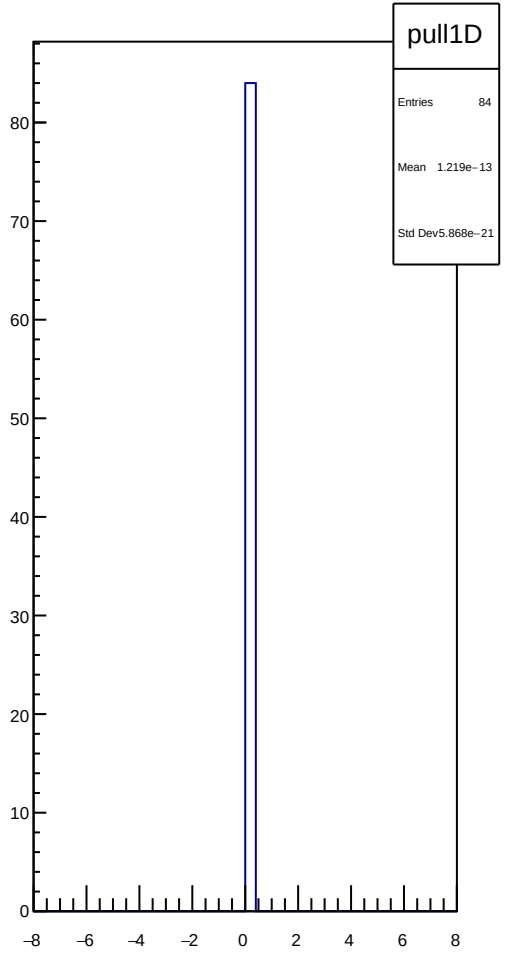

pull1D
Entries 84
Mean 7.945e−15
Std Dev1.834e−22

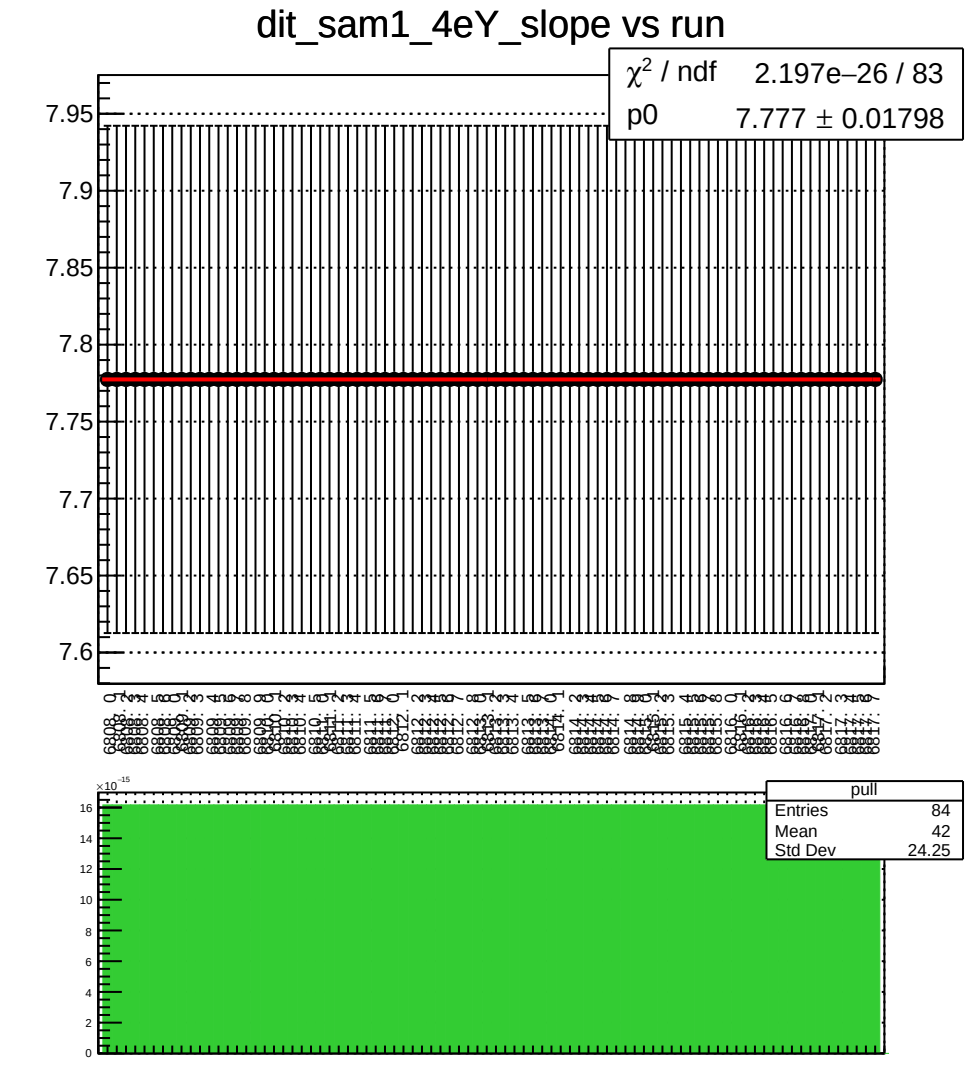

dit_sam1_4eX_slope vs run
χ^2 / ndf 2.644e−25 / 83
p0 −15.6 ± 0.03455
−15.3
−15.4
−15.5
−15.6
−15.7
−15.8
−15.9
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 5.61e−14
Std Dev3.388e−21

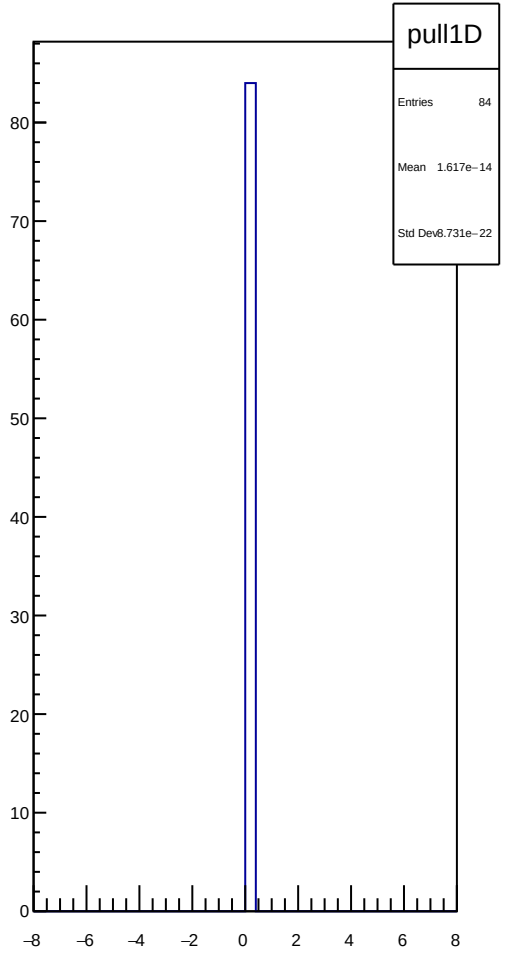

dit_sam1_11X12X_slope vs run
χ² / ndf 4.931e−26 / 83
p0 0.3072 ± 0.0009999
0.318
0.316
0.314
0.312
0.31
0.308
0.306
0.304
0.302
0.3
0.298
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
25
20
15
10
5
0

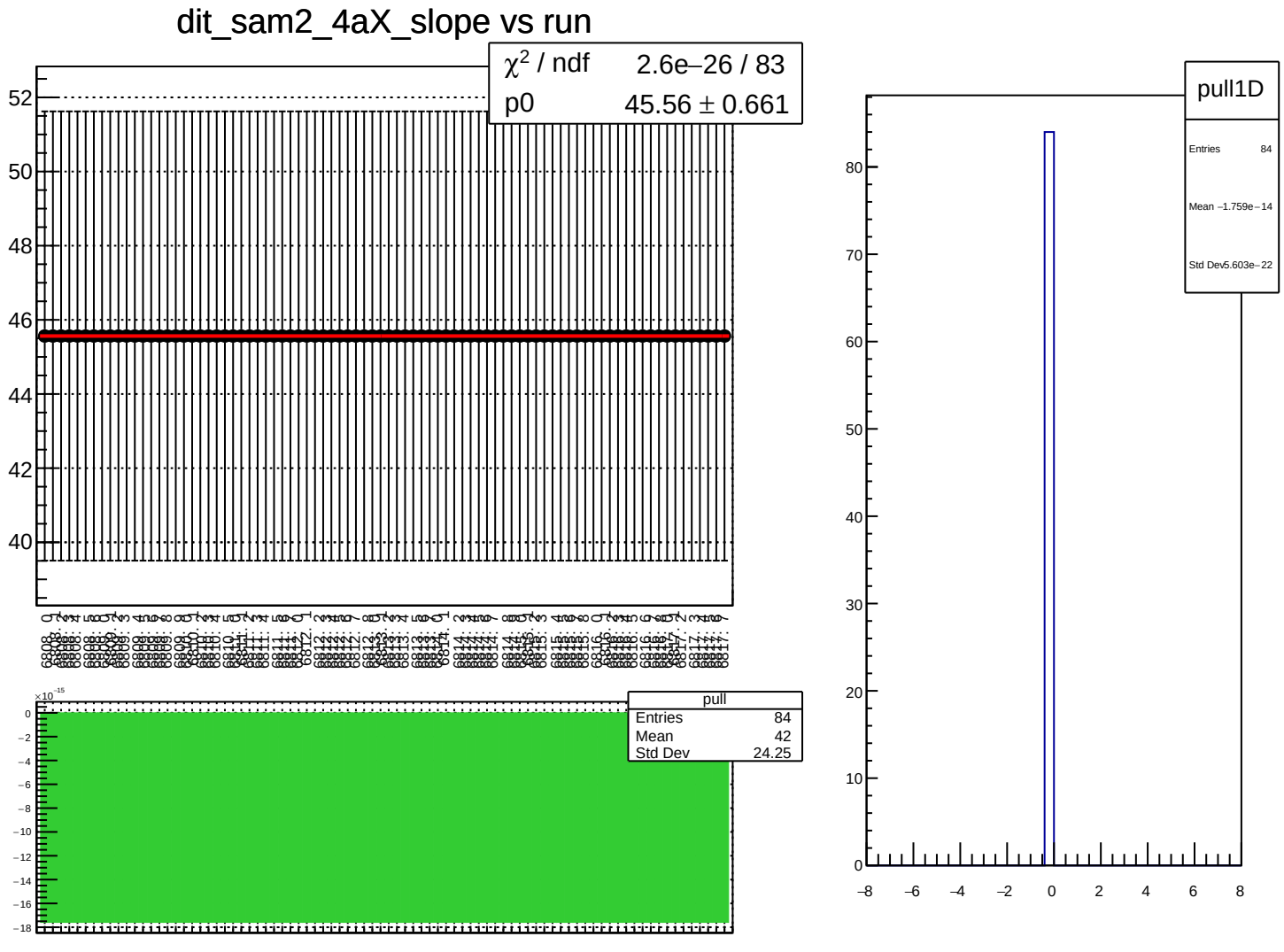

pull1D
Entries 84
Mean 2.423e−14
Std Dev1.405e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

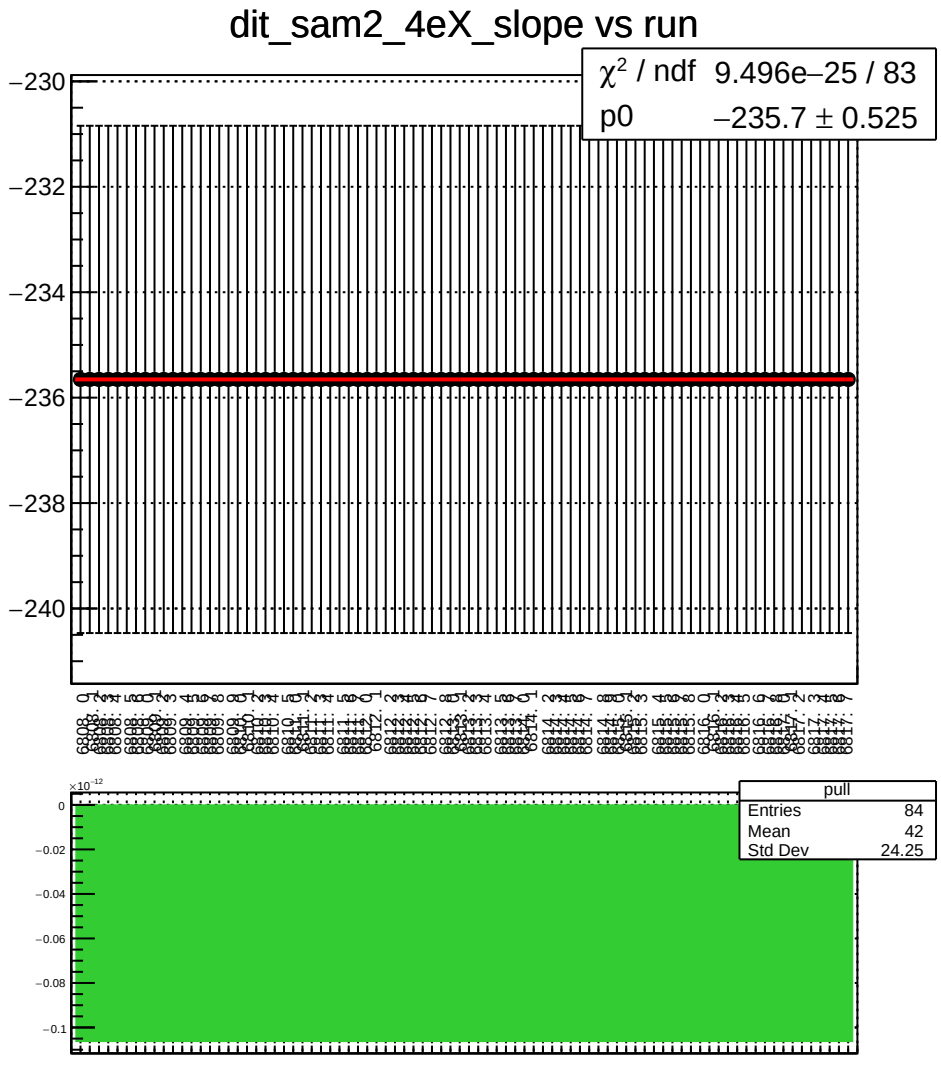

dit_sam1_4aY_slope vs run
χ² / ndf 1.248e−24 / 83
p0 −50.05 ± 0.00636
−49.98
−50
−50.02
−50.04
−50.06
−50.08
−50.1
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

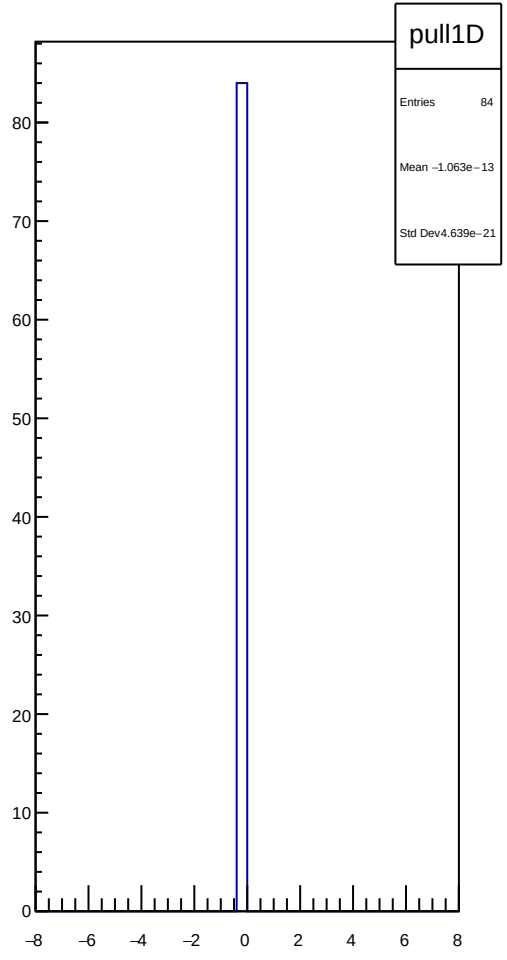

pull1D
Entries 84
Mean 1.219e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

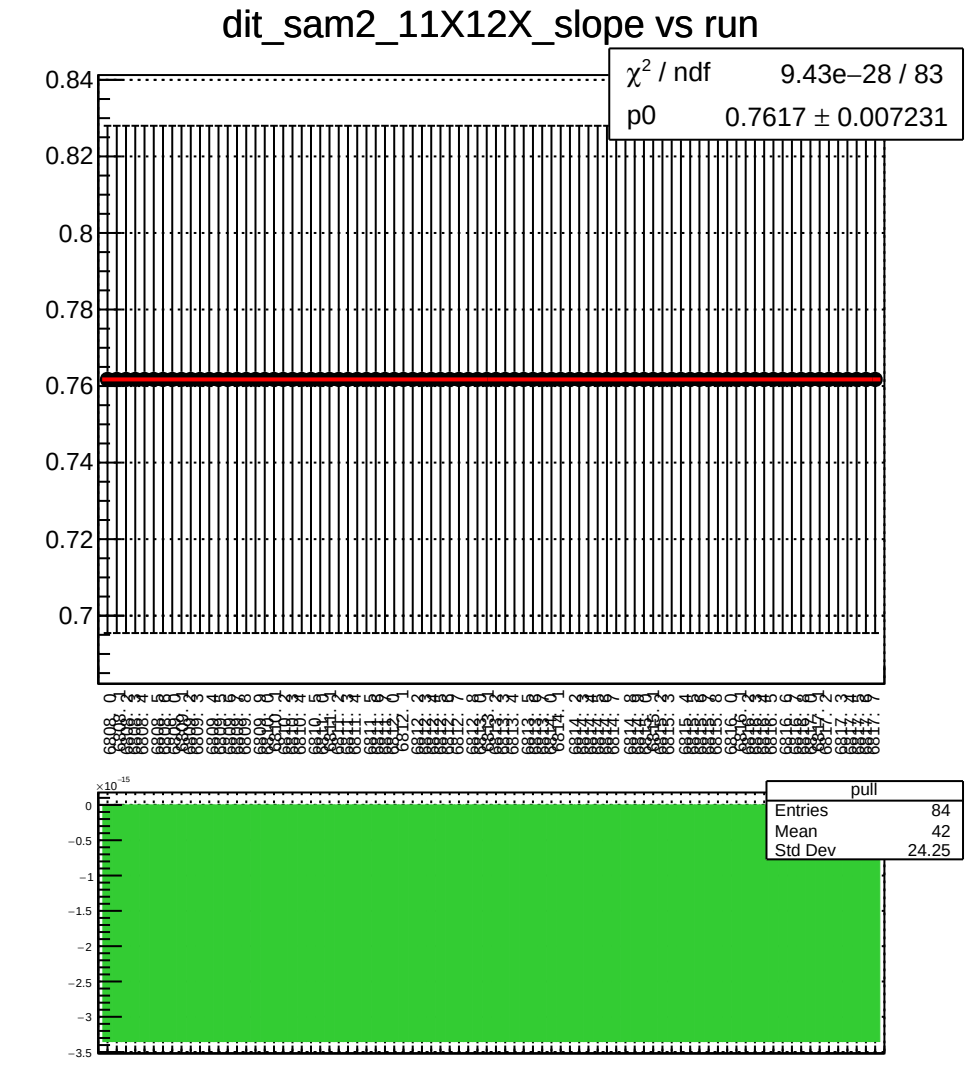

dit_sam1_4eY_slope vs run
χ² / ndf 2.197e−26 / 83
p0 7.777 ± 0.01798
7.95
7.9
7.85
7.8
7.75
7.7
7.65
7.6
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull
Entries 84
Mean 42
Std Dev 24.25

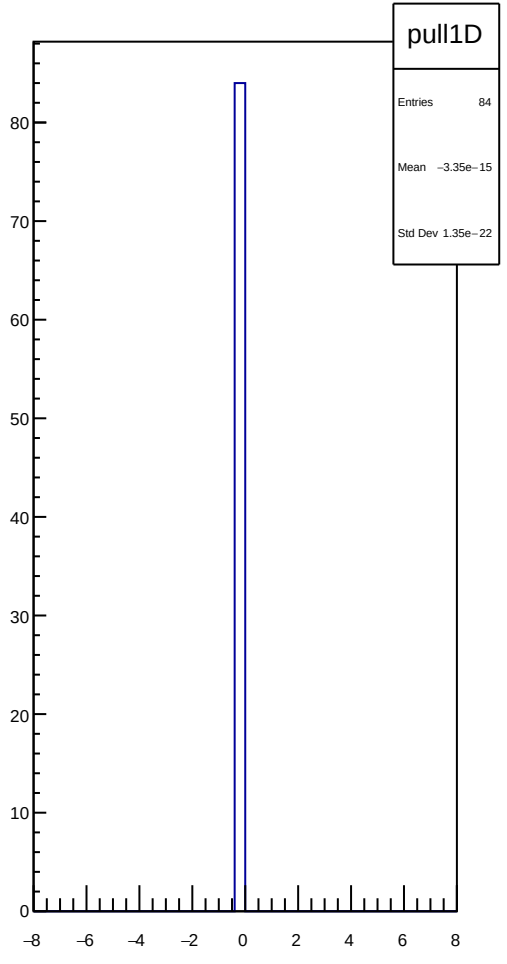

pull1D
Entries 84
Mean 1.617e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

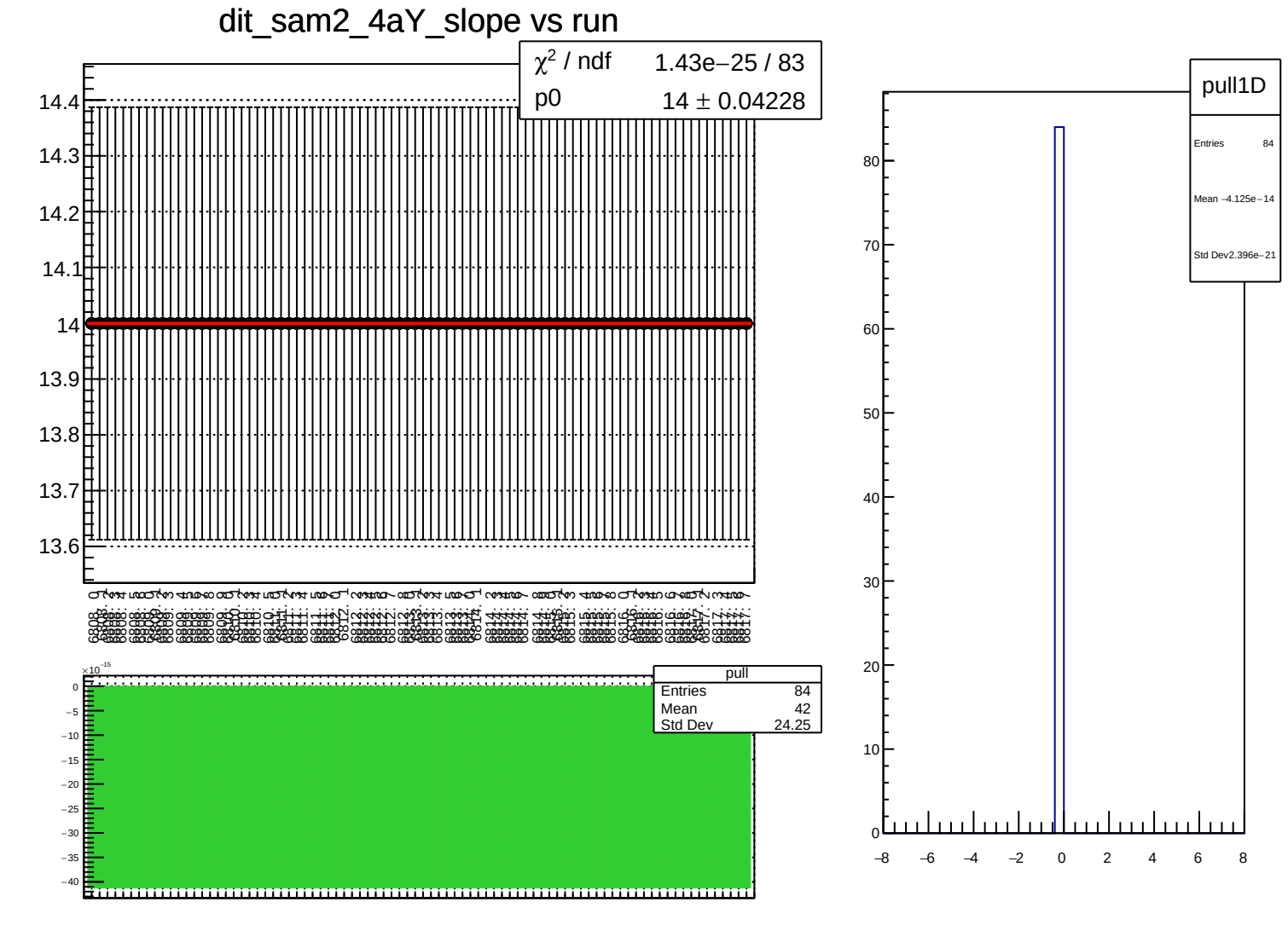

dit_sam2_4aX_slope vs run
χ² / ndf 2.6e−26 / 83
p0 45.56 ± 0.661
52
50
48
46
44
42
40
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 84
Mean −1.759e−14
Std Dev5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

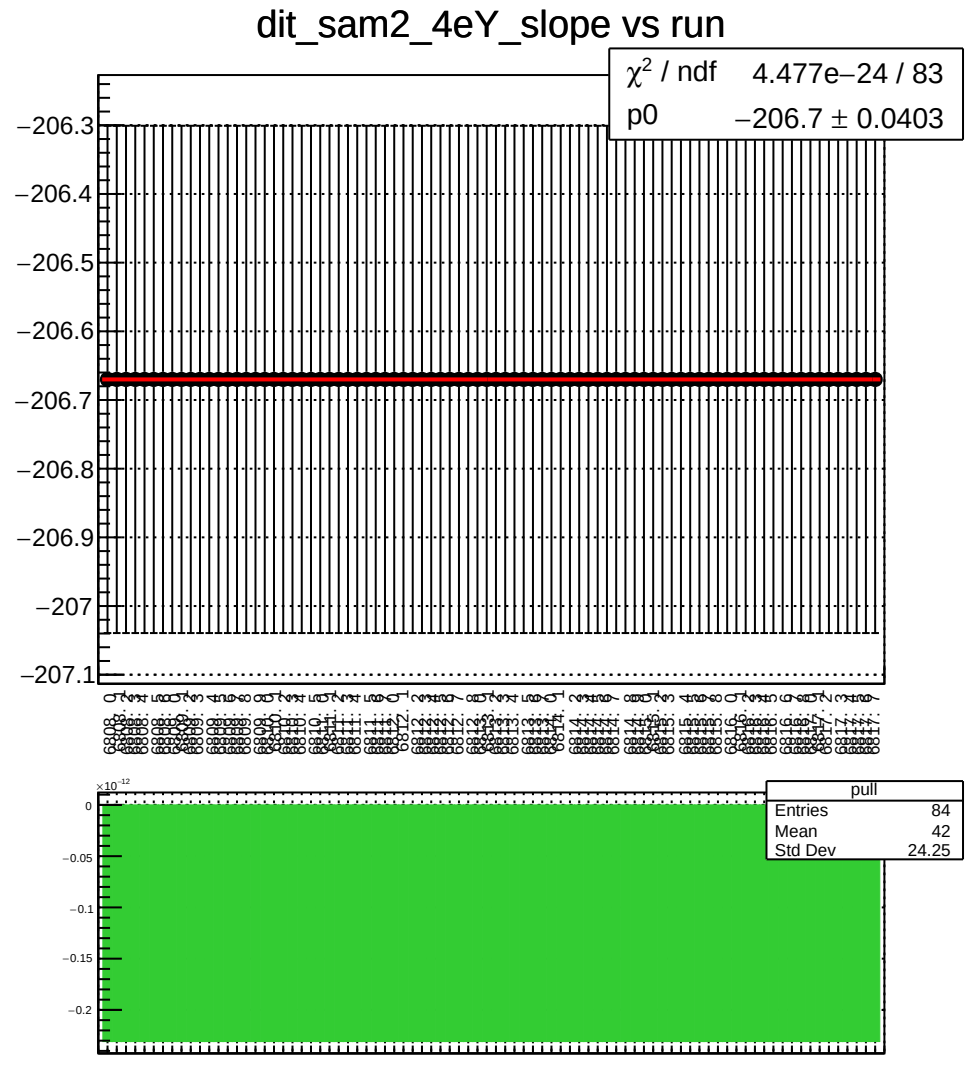

dit_sam2_4eX_slope vs run
χ² / ndf 9.496e−25 / 83
p0 −235.7 ± 0.525
−230
−232
−234
−236
−238
−240
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

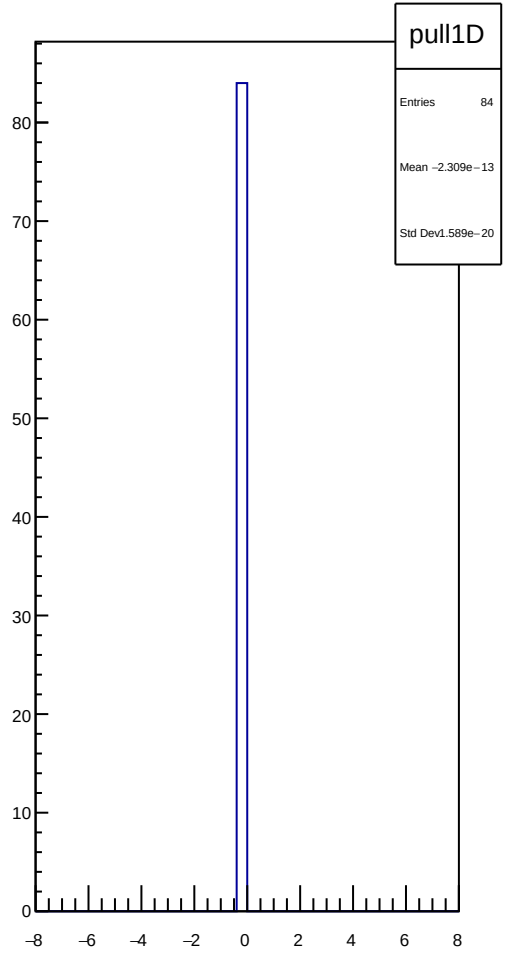

pull1D
Entries 84
Mean −1.063e−13
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

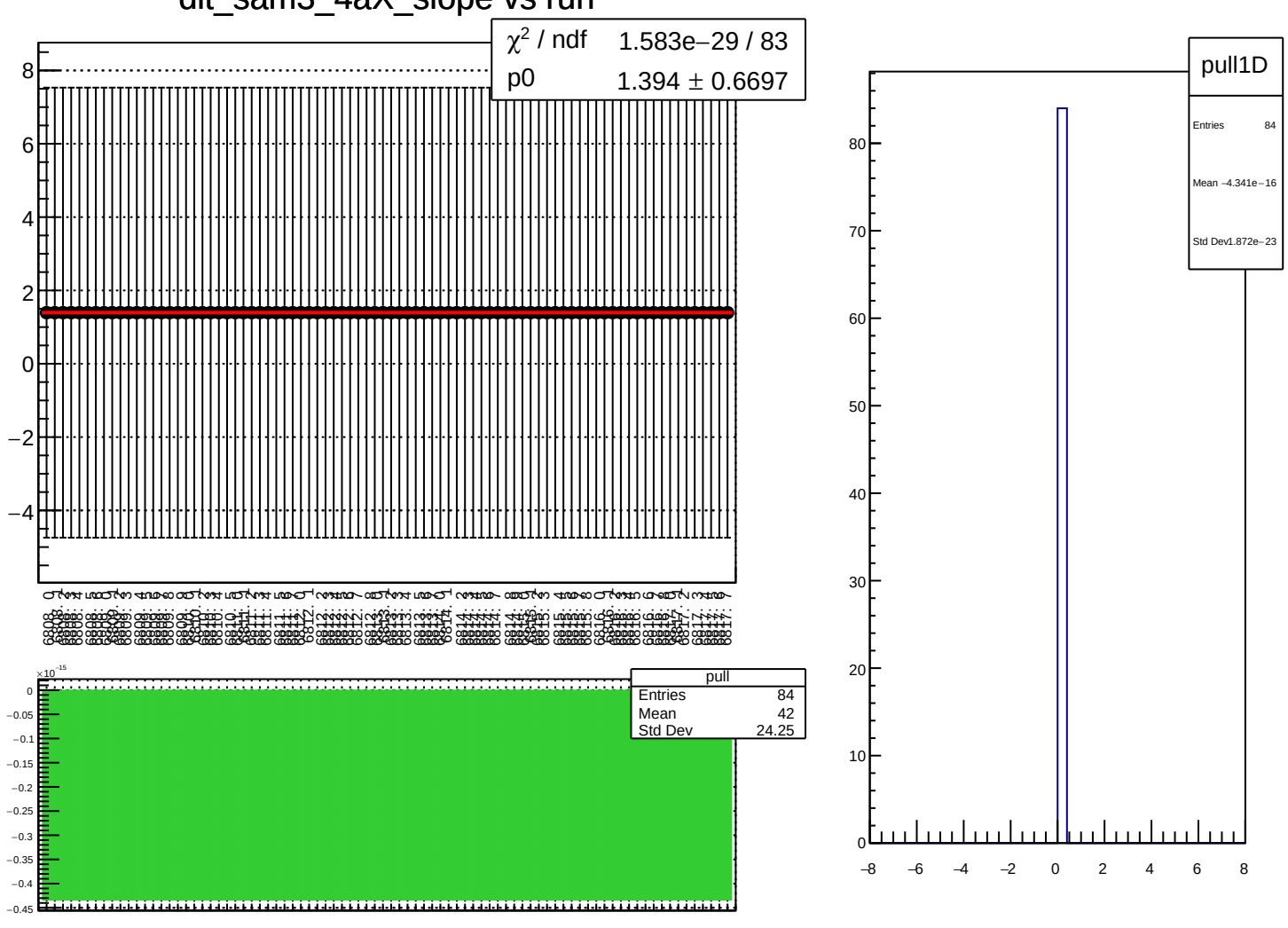

dit_sam2_11X12X_slope vs run
χ² / ndf 9.43e−28 / 83
p0 0.7617 ± 0.007231
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0.7
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

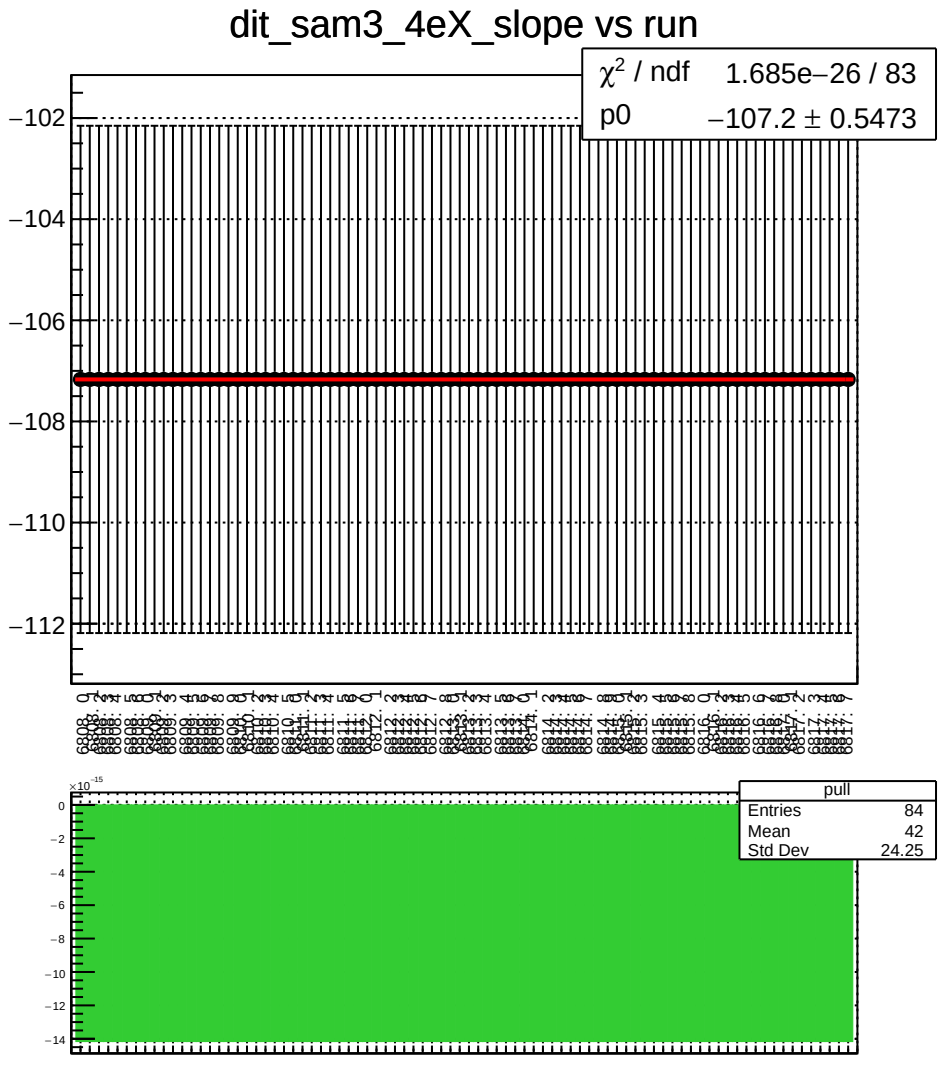

pull1D
Entries 84
Mean −3.35e−15
Std Dev 1.35e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

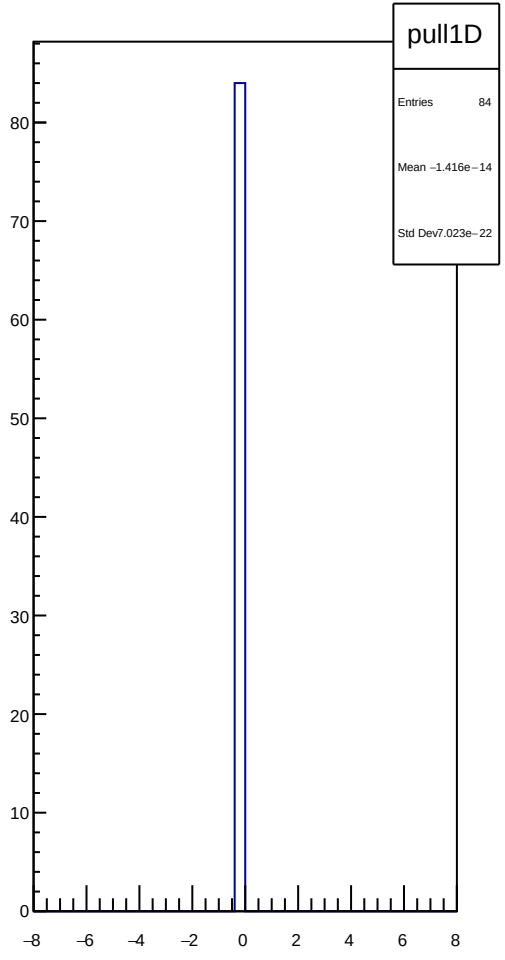

dit_sam2_4aY_slope vs run
χ² / ndf 1.43e−25 / 83
p0 14 ± 0.04228
14.4
14.3
14.2
14.1
14
13.9
13.8
13.7
13.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 84
Mean −4.125e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

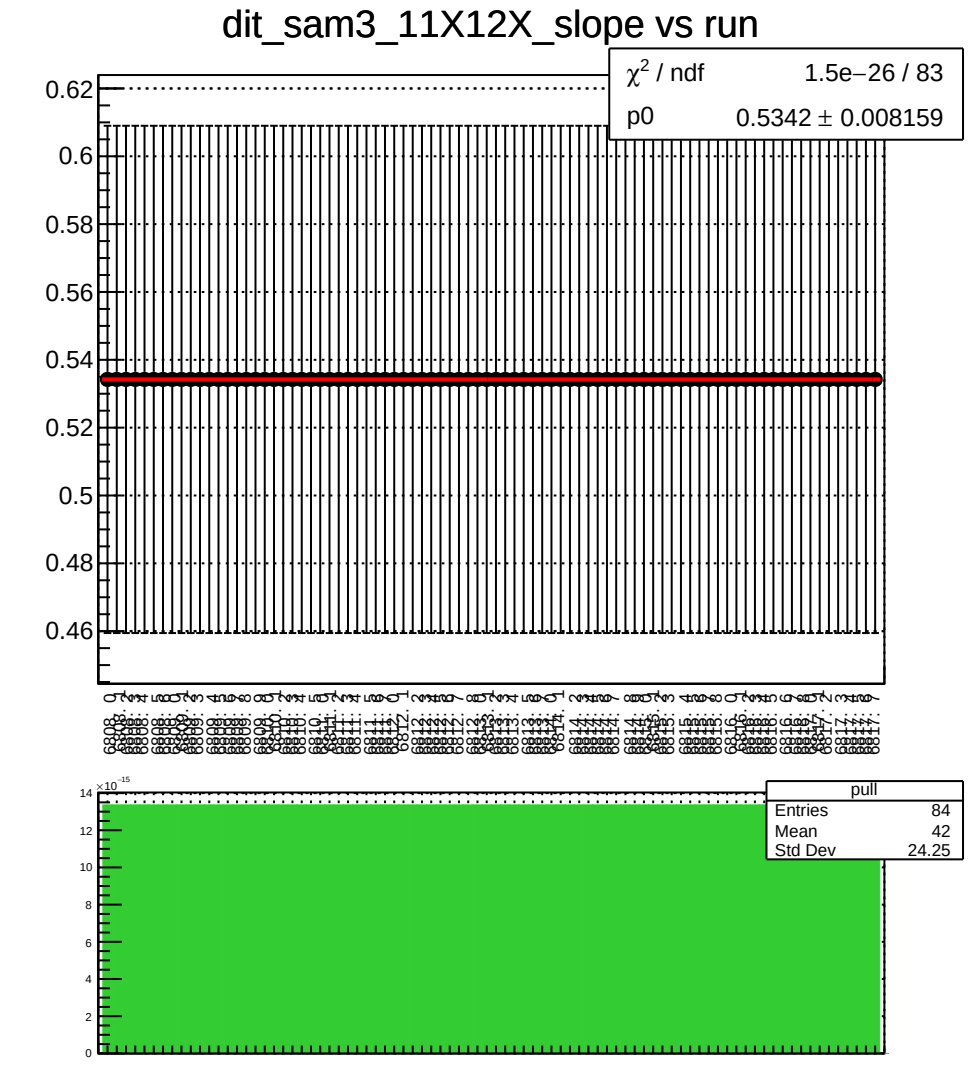

dit_sam2_4eY_slope vs run
χ² / ndf 4.477e−24 / 83
p0 −206.7 ± 0.0403
−206.3
−206.4
−206.5
−206.6
−206.7
−206.8
−206.9
−207
−207.1
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

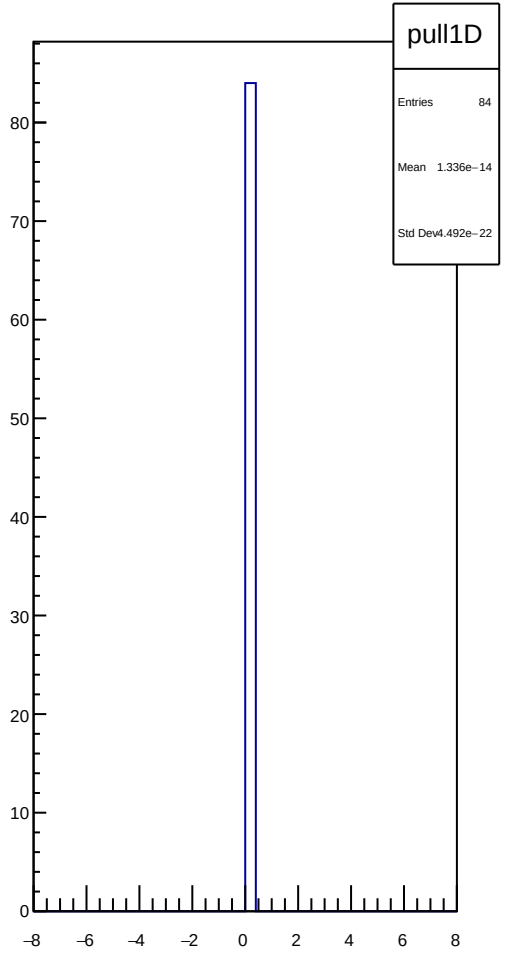

pull1D
Entries 84
Mean −2.309e−13
Std Dev1.589e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

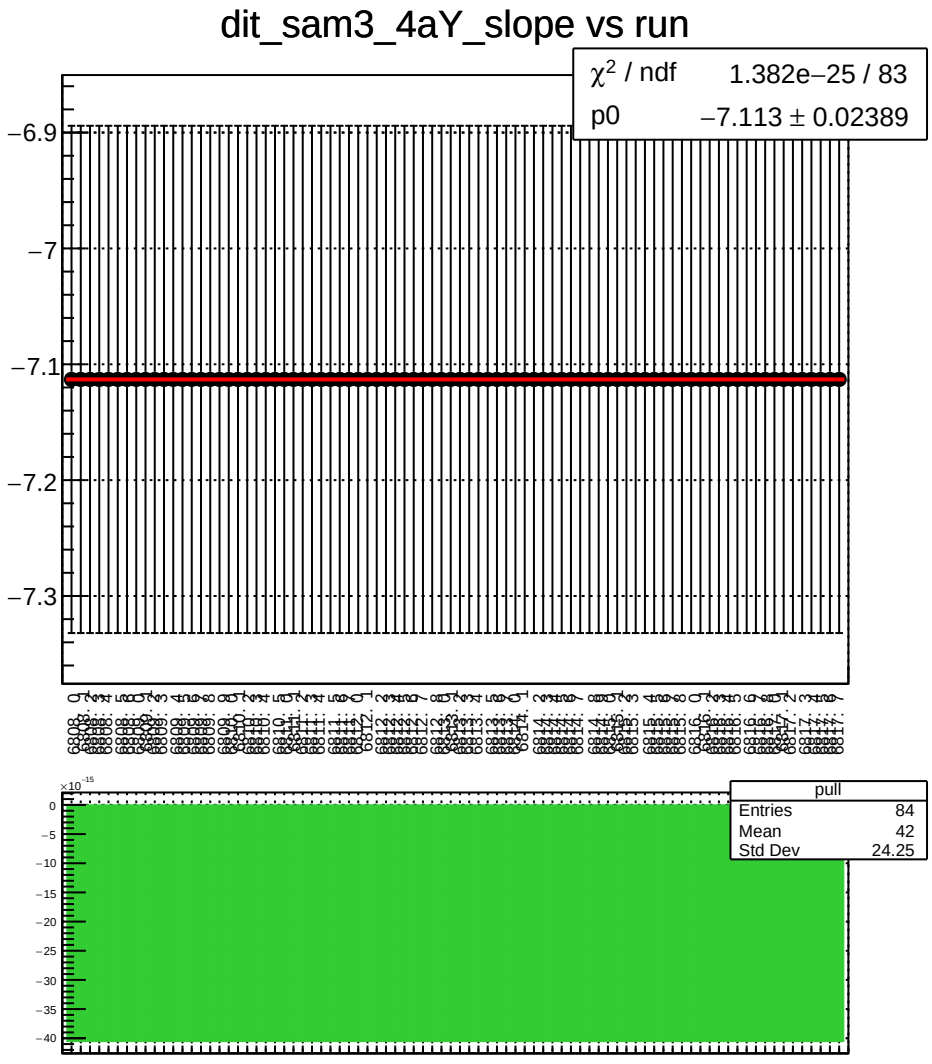

dit_sam3_4aX_slope vs run
χ² / ndf 1.583e−29 / 83
p0 1.394 ± 0.6697
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −4.341e−16
Std Dev1.872e−23

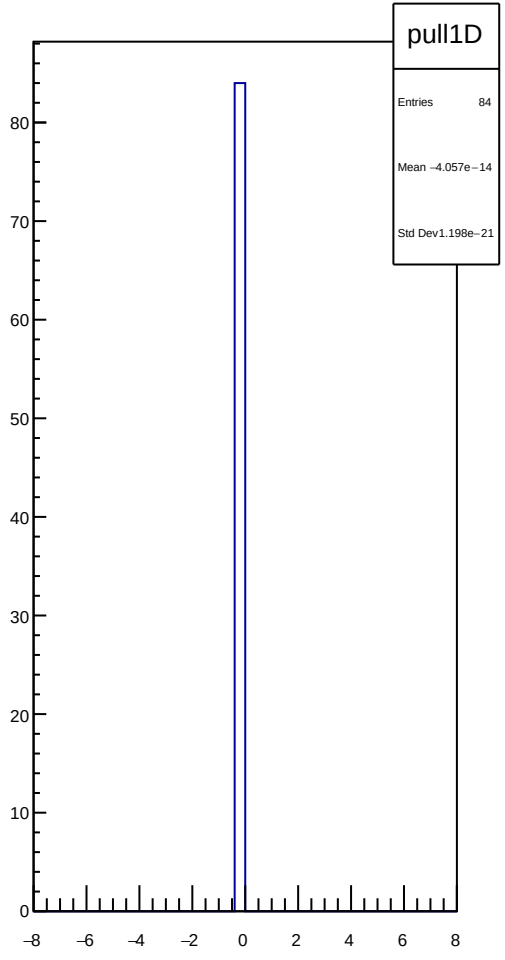

dit_sam3_4eX_slope vs run
χ^2 / ndf 1.685e−26 / 83
p0 −107.2 ± 0.5473
−102
−104
−106
−108
−110
−112
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

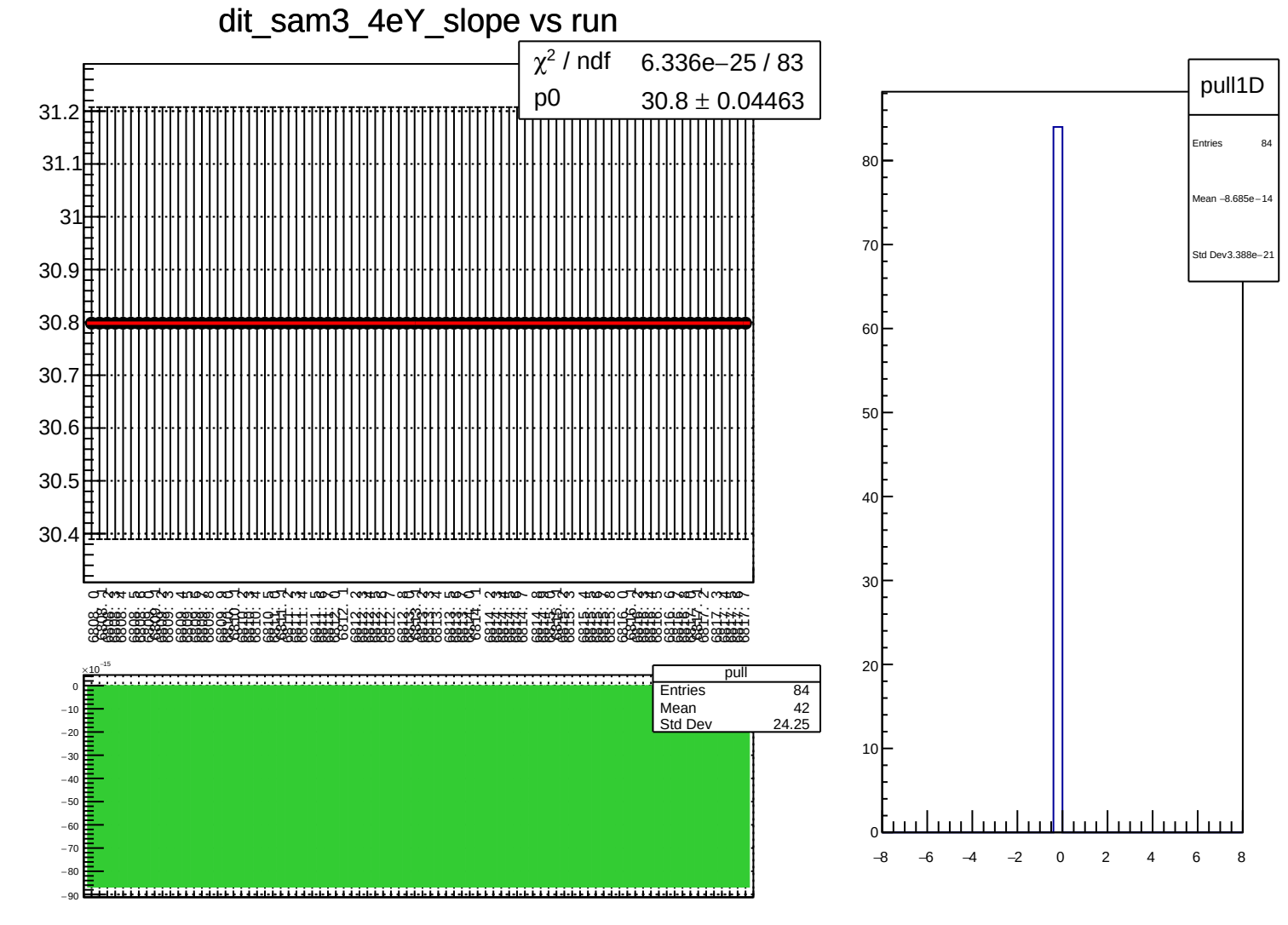

pull1D
Entries 84
Mean −1.416e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

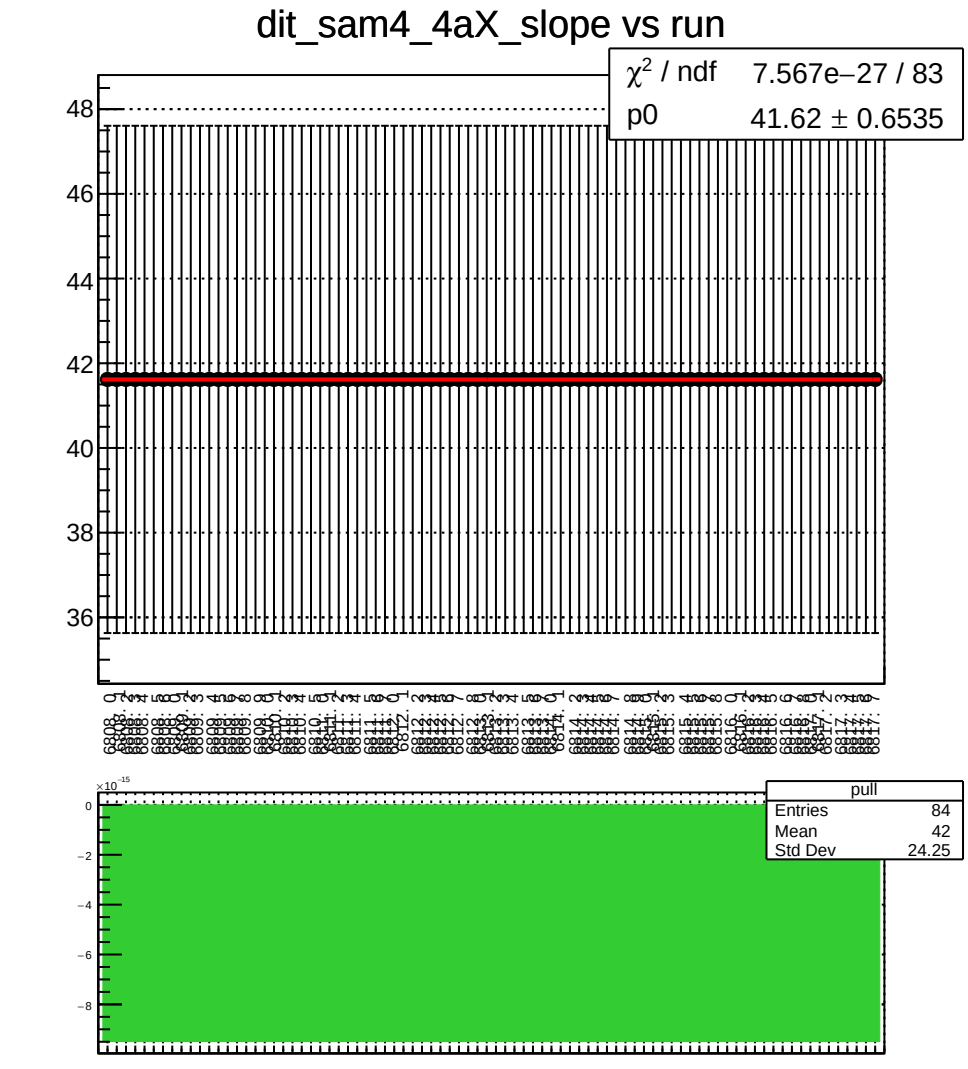

dit_sam3_11X12X_slope vs run
χ² / ndf 1.5e−26 / 83
p0 0.5342 ± 0.008159
0.62
0.6
0.58
0.56
0.54
0.52
0.5
0.48
0.46
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
14
12
10
8
6
4
2
0

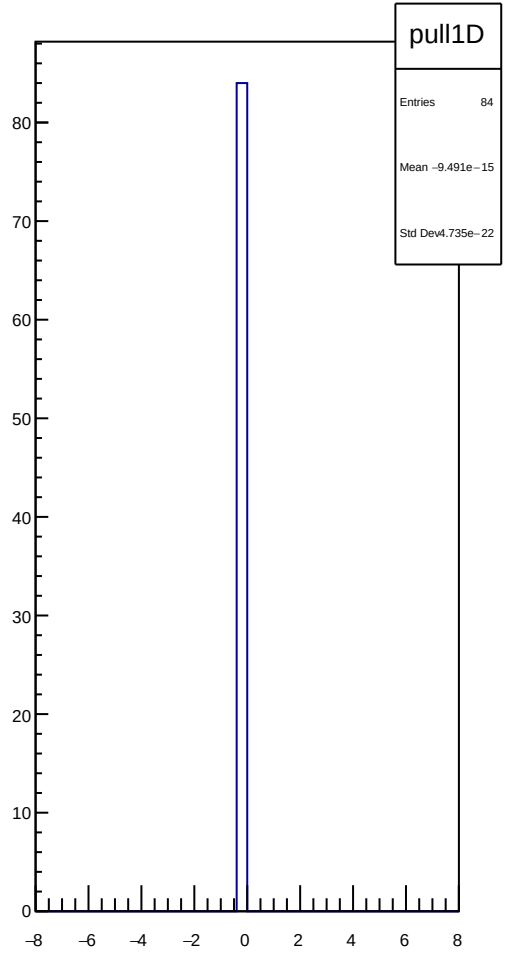

pull1D
Entries 84
Mean 1.336e−14
Std Dev4.492e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

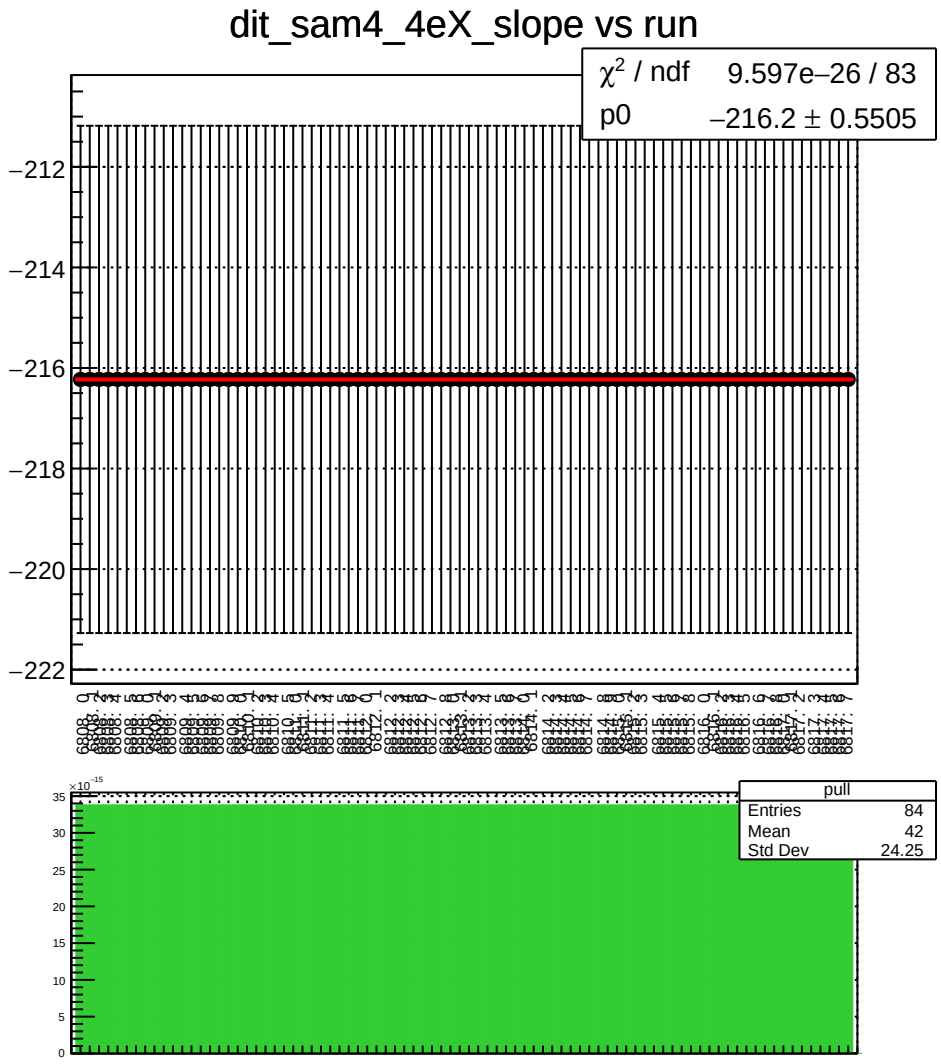

dit_sam3_4aY_slope vs run
χ² / ndf 1.382e−25 / 83
p0 −7.113 ± 0.02389
−6.9
−7
−7.1
−7.2
−7.3
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

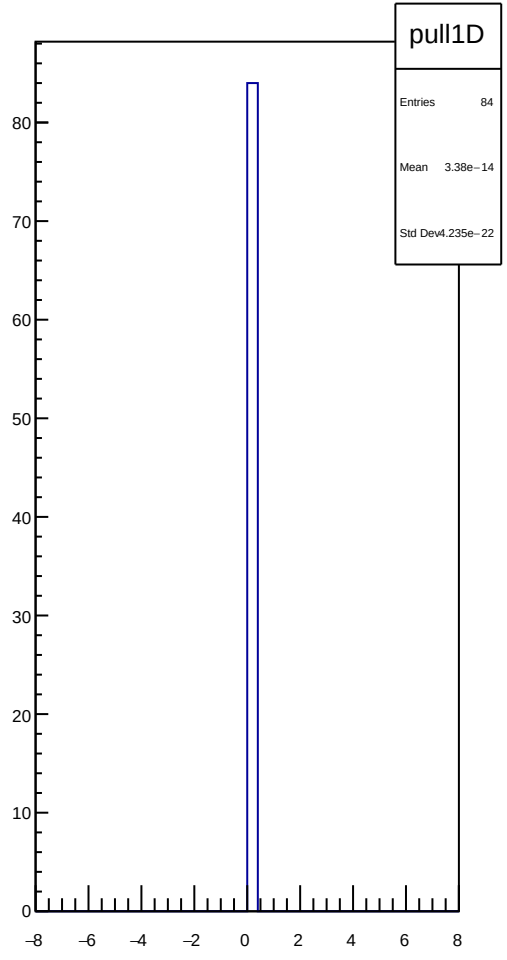

pull1D
Entries 84
Mean −4.057e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

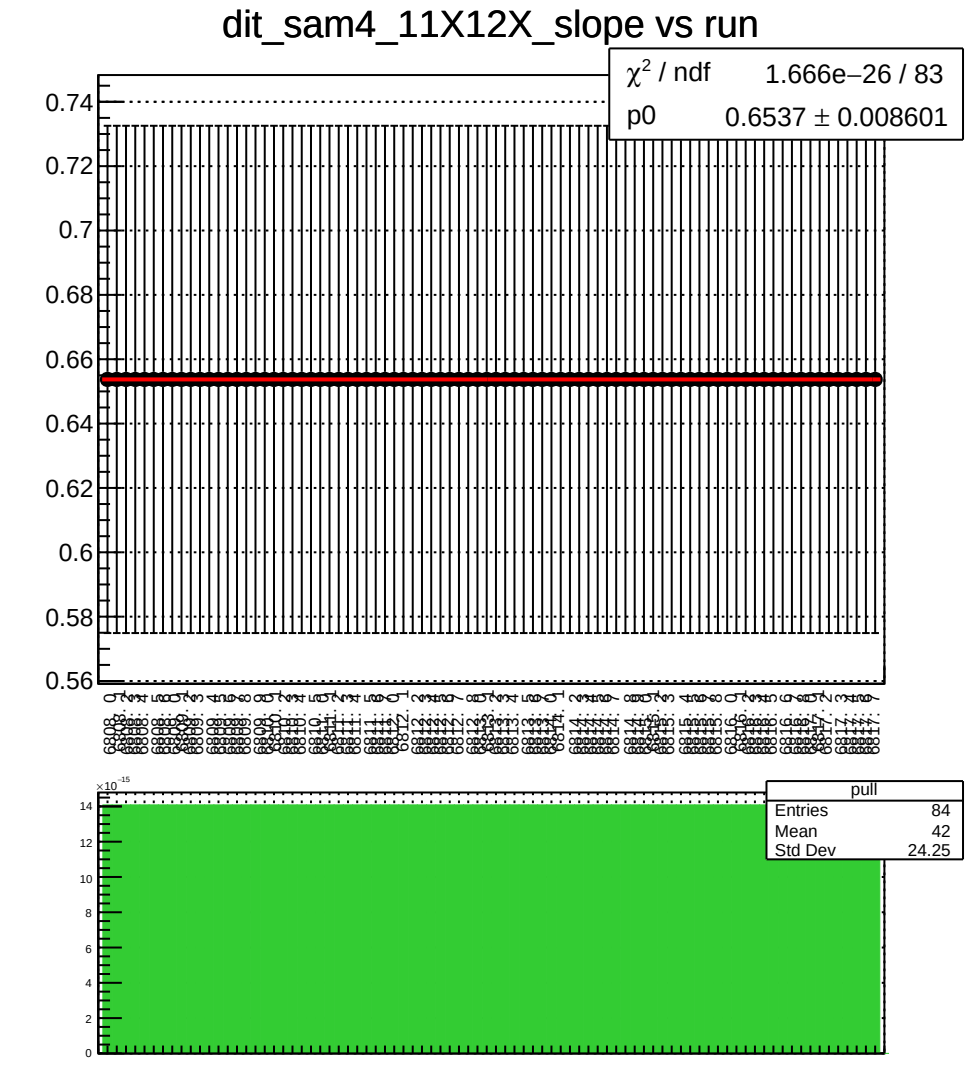

dit_sam3_4eY_slope vs run
χ² / ndf 6.336e−25 / 83
p0 30.8 ± 0.04463
31.2
31.1
31
30.9
30.8
30.7
30.6
30.5
30.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 84
Mean −8.685e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

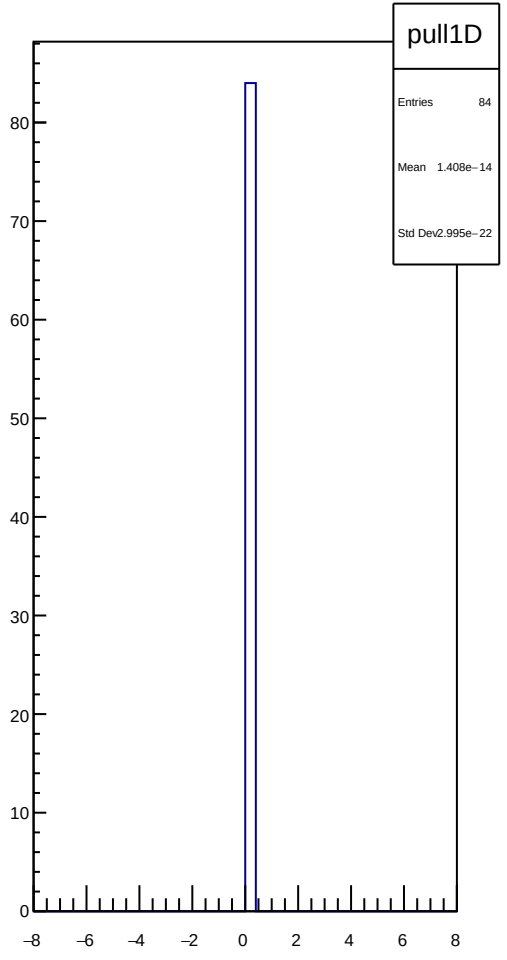

dit_sam4_4aX_slope vs run
χ^2 / ndf 7.567e−27 / 83
p0 41.62 ± 0.6535
48
46
44
42
40
38
36
×10^-15
0
−2
−4
−6
−8
pull
Entries 84
Mean 42
Std Dev 24.25

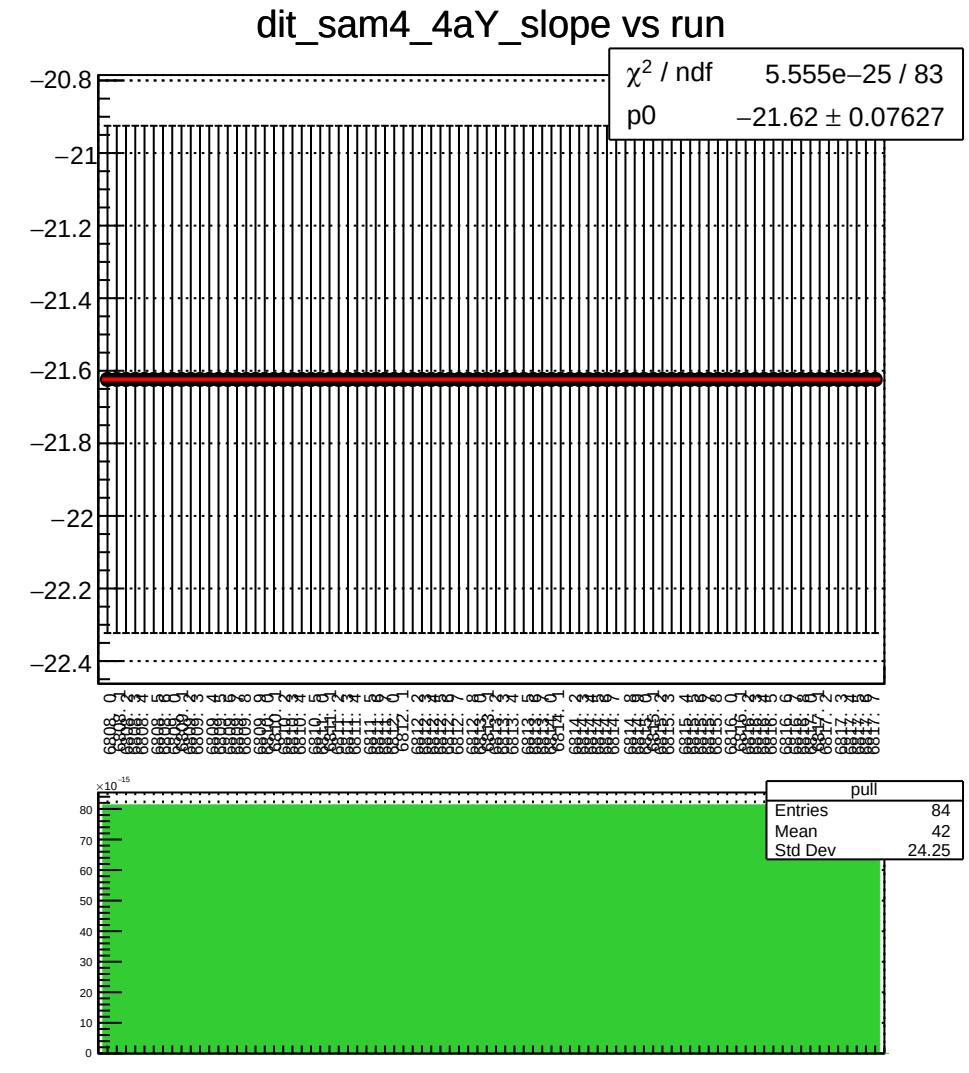

pull1D
Entries 84
Mean −9.491e−15
Std Dev4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

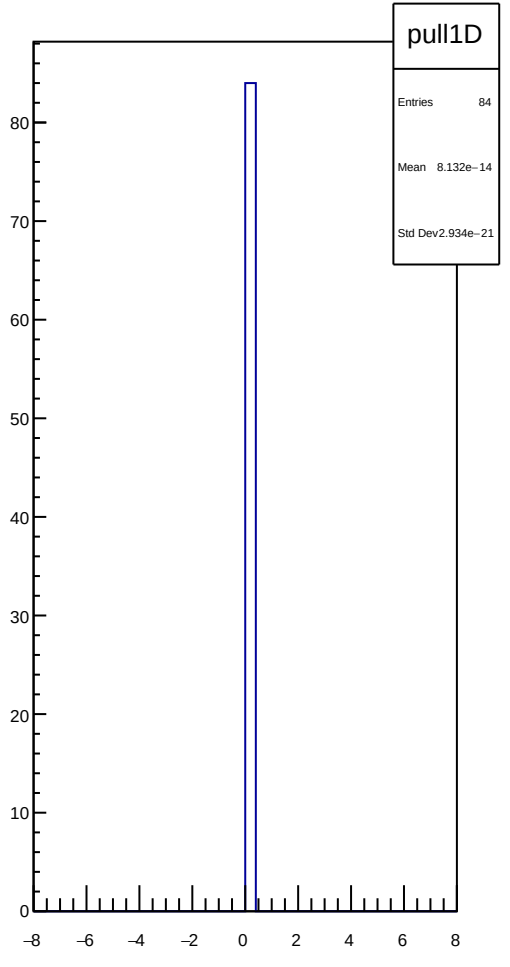

dit_sam4_4eX_slope vs run
χ² / ndf 9.597e−26 / 83
p0 −216.2 ± 0.5505
−212
−214
−216
−218
−220
−222
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 84
Mean 42
Std Dev 24.25

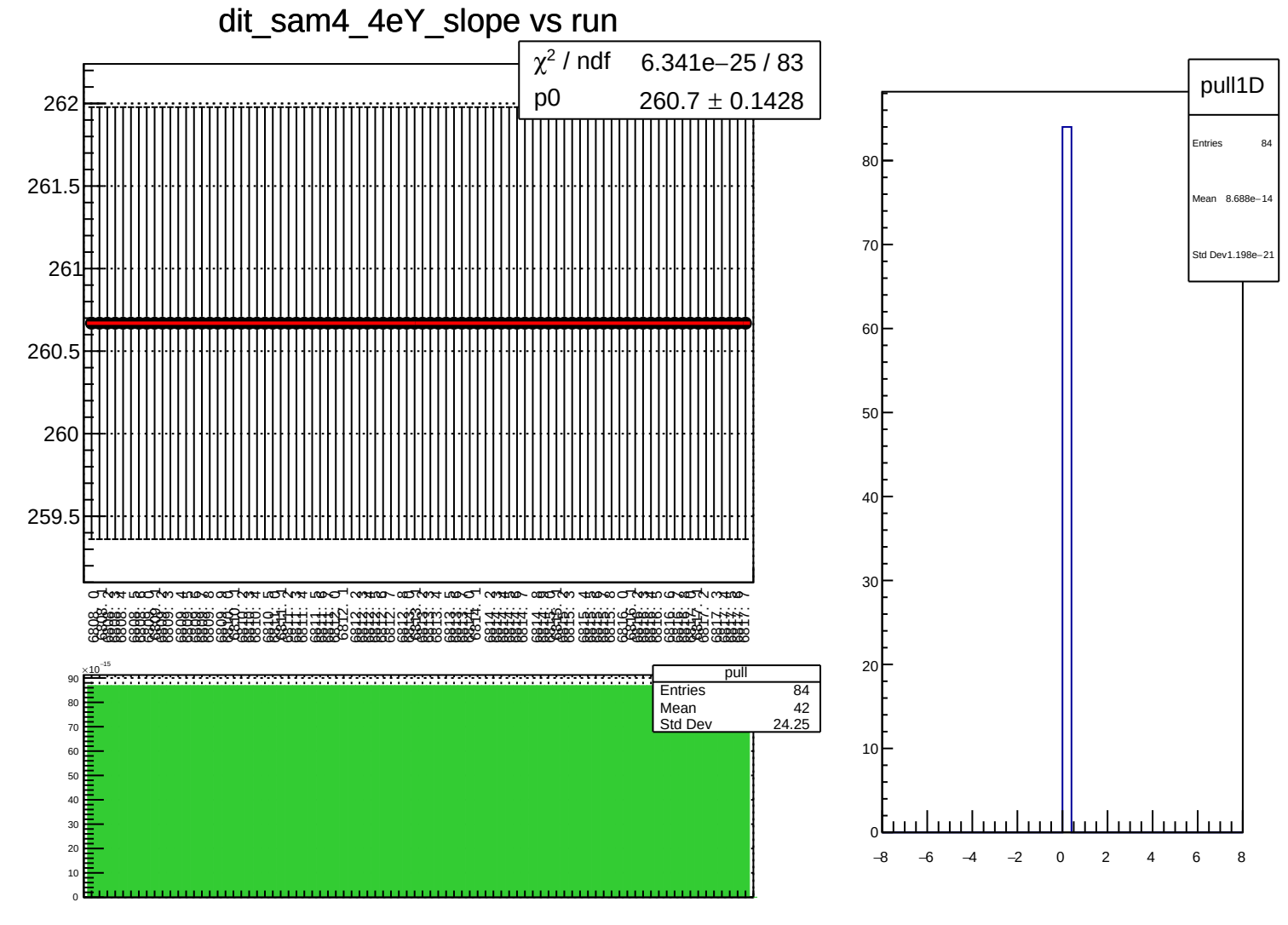

pull1D
Entries 84
Mean 3.38e−14
Std Dev 4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

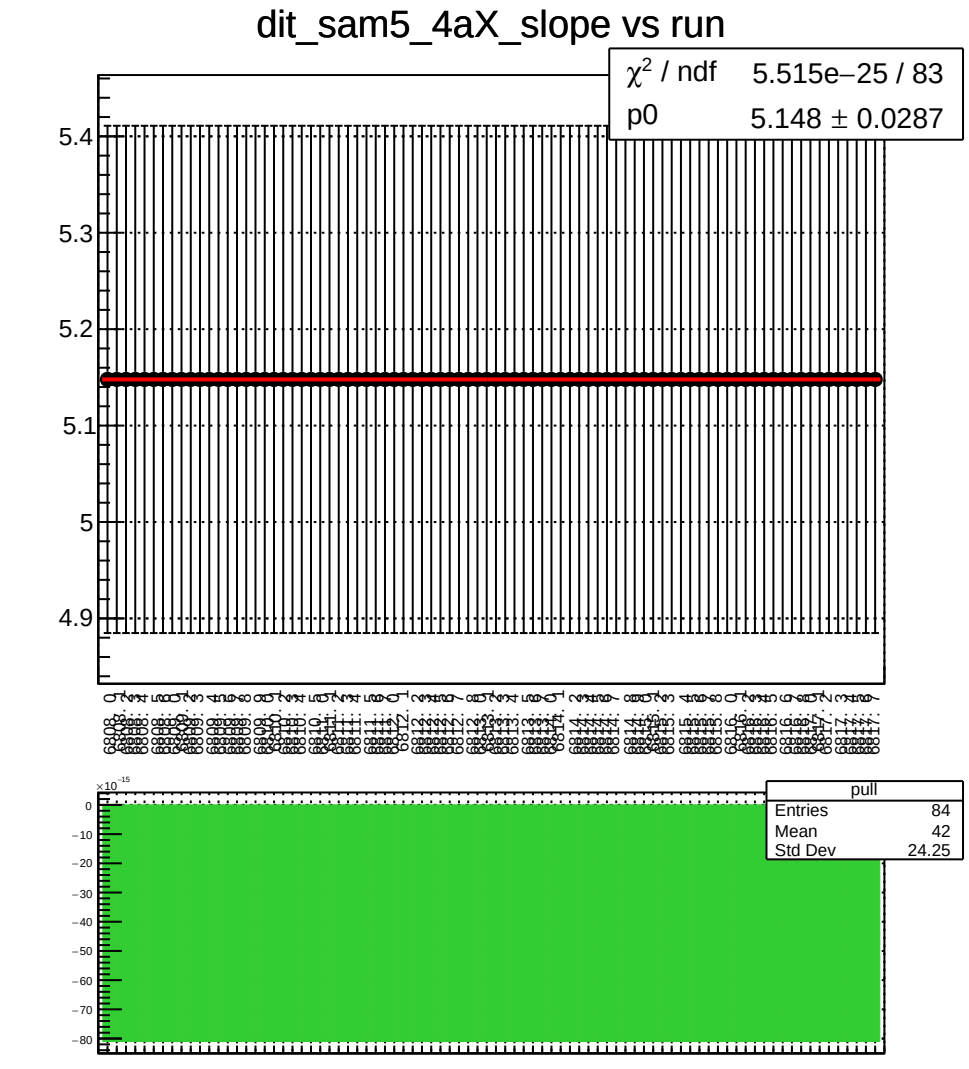

dit_sam4_11X12X_slope vs run
χ² / ndf 1.666e−26 / 83
p0 0.6537 ± 0.008601
pull
Entries 84
Mean 42
Std Dev 24.25

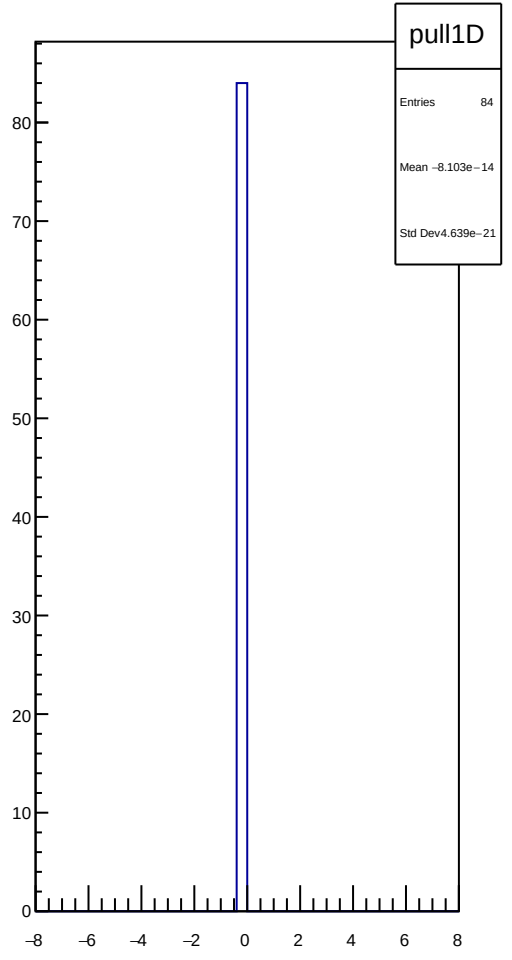

pull1D
Entries 84
Mean 1.408e−14
Std Dev 2.995e−22

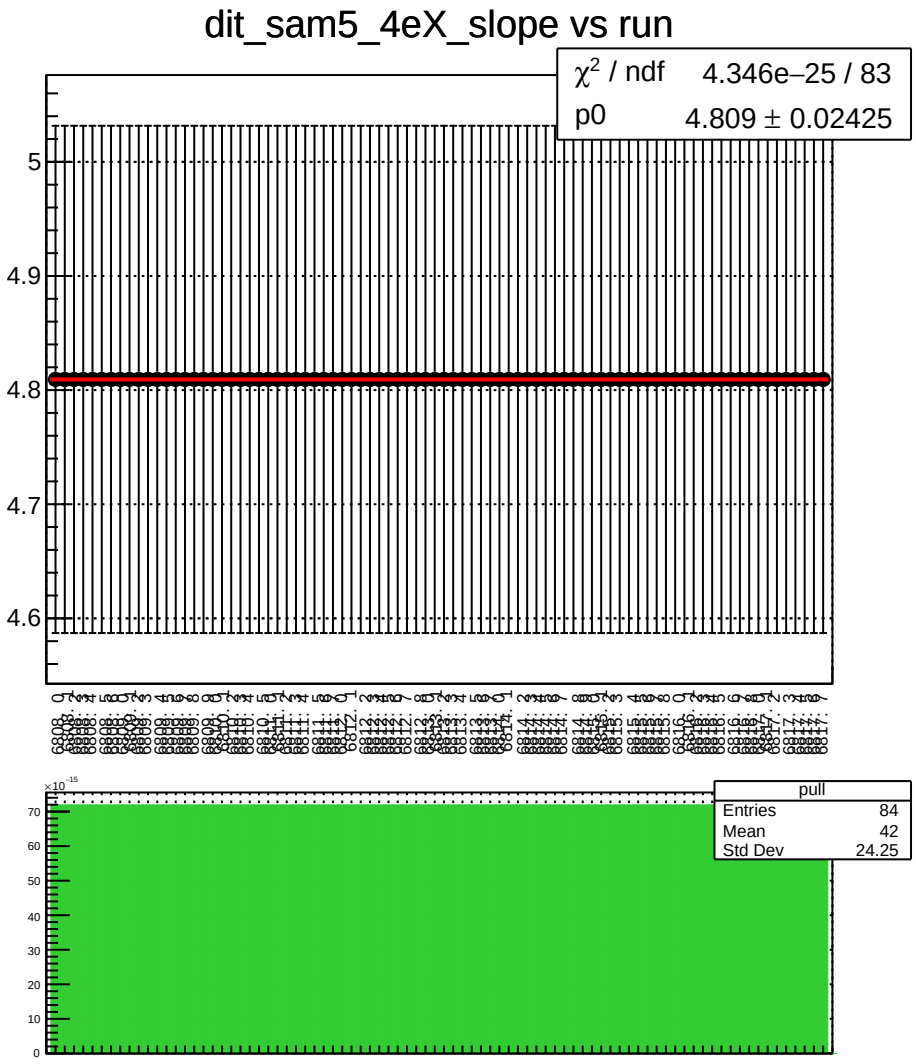

dit_sam4_4aY_slope vs run
χ² / ndf 5.555e−25 / 83
p0 −21.62 ± 0.07627
−20.8
−21
−21.2
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

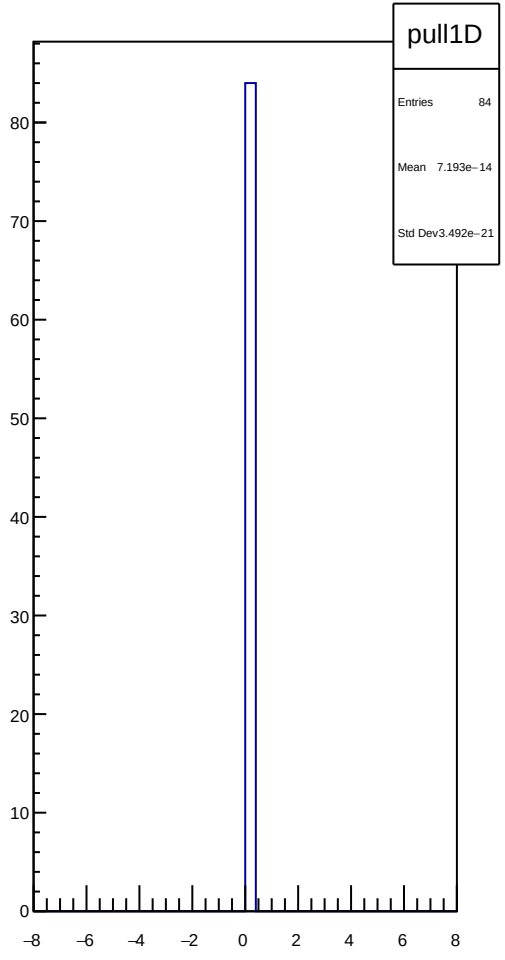

pull1D
Entries 84
Mean 8.132e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

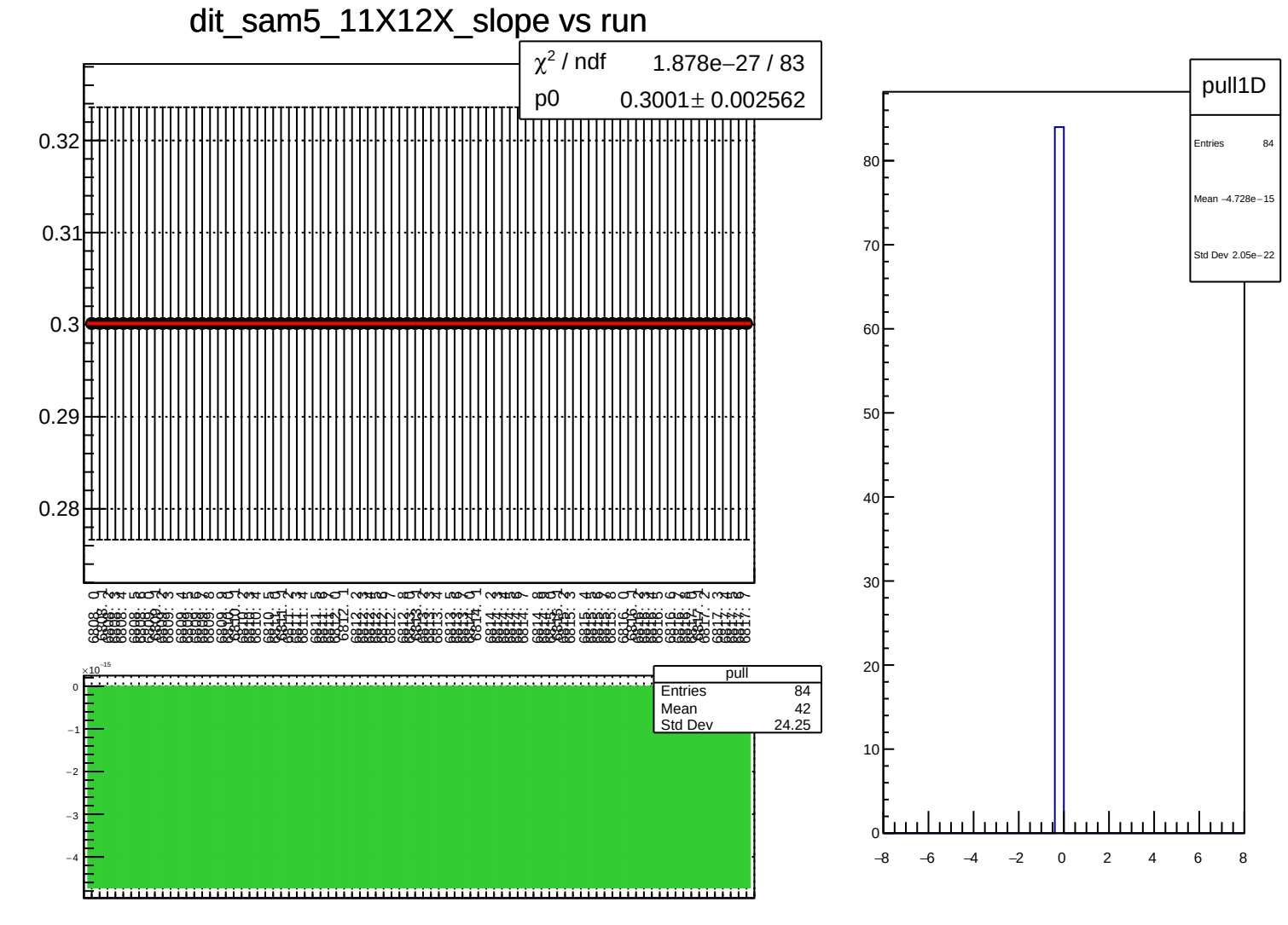

dit_sam4_4eY_slope vs run
χ² / ndf 6.341e−25 / 83
p0 260.7 ± 0.1428
262
261.5
261
260.5
260
259.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0
pull1D
Entries 84
Mean 8.688e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

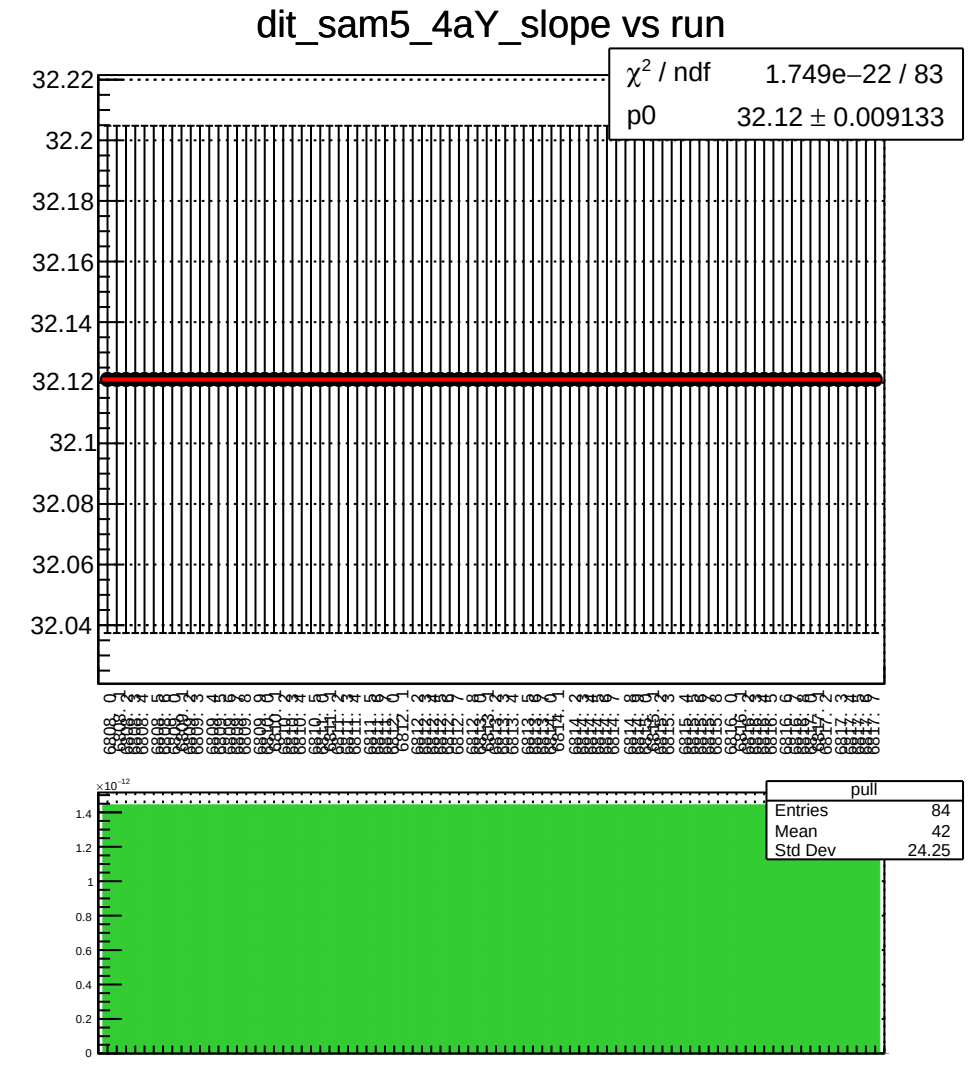

dit_sam5_4aX_slope vs run
χ² / ndf 5.515e−25 / 83
p0 5.148 ± 0.0287
5.4
5.3
5.2
5.1
5
4.9
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

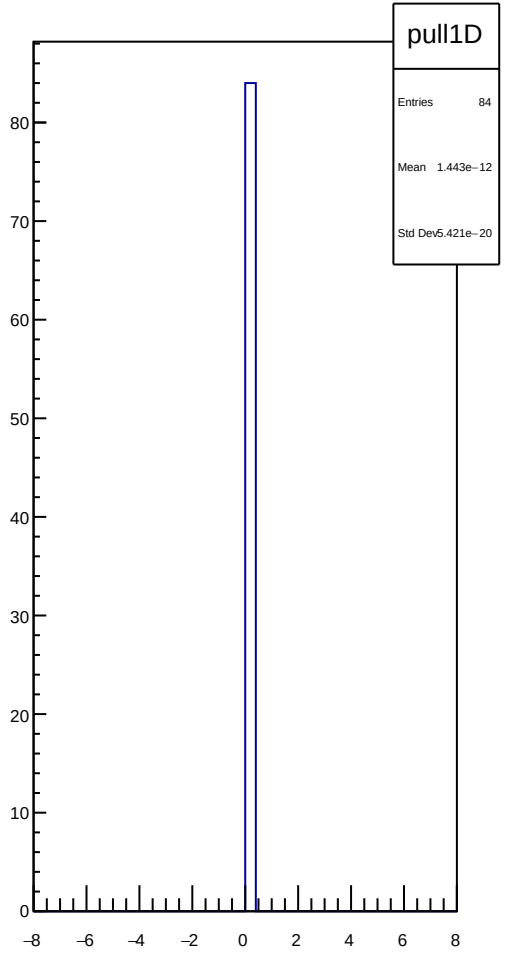

pull1D
Entries 84
Mean −8.103e−14
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

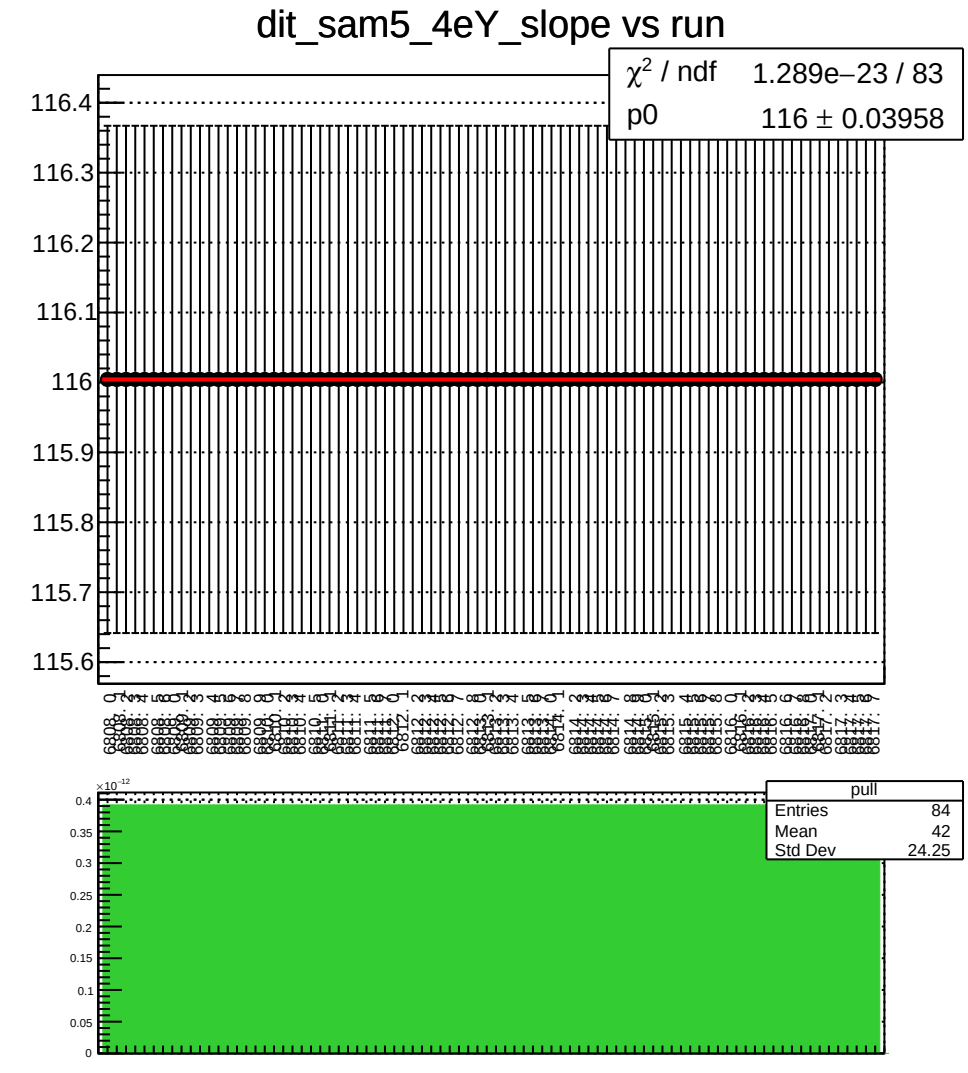

dit_sam5_4eX_slope vs run
χ² / ndf 4.346e−25 / 83
p0 4.809 ± 0.02425
5
4.9
4.8
4.7
4.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
70
60
50
40
30
20
10
0

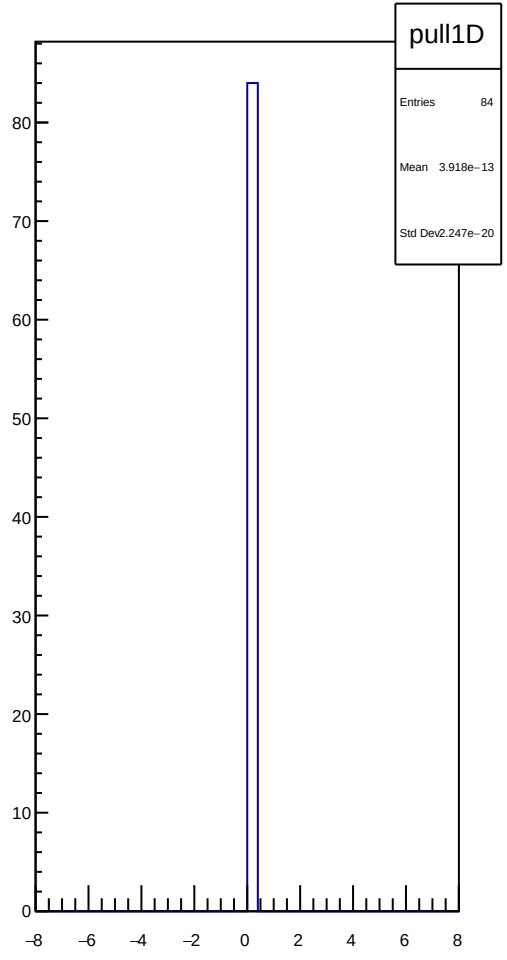

pull1D
Entries 84
Mean 7.193e−14
Std Dev3.492e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

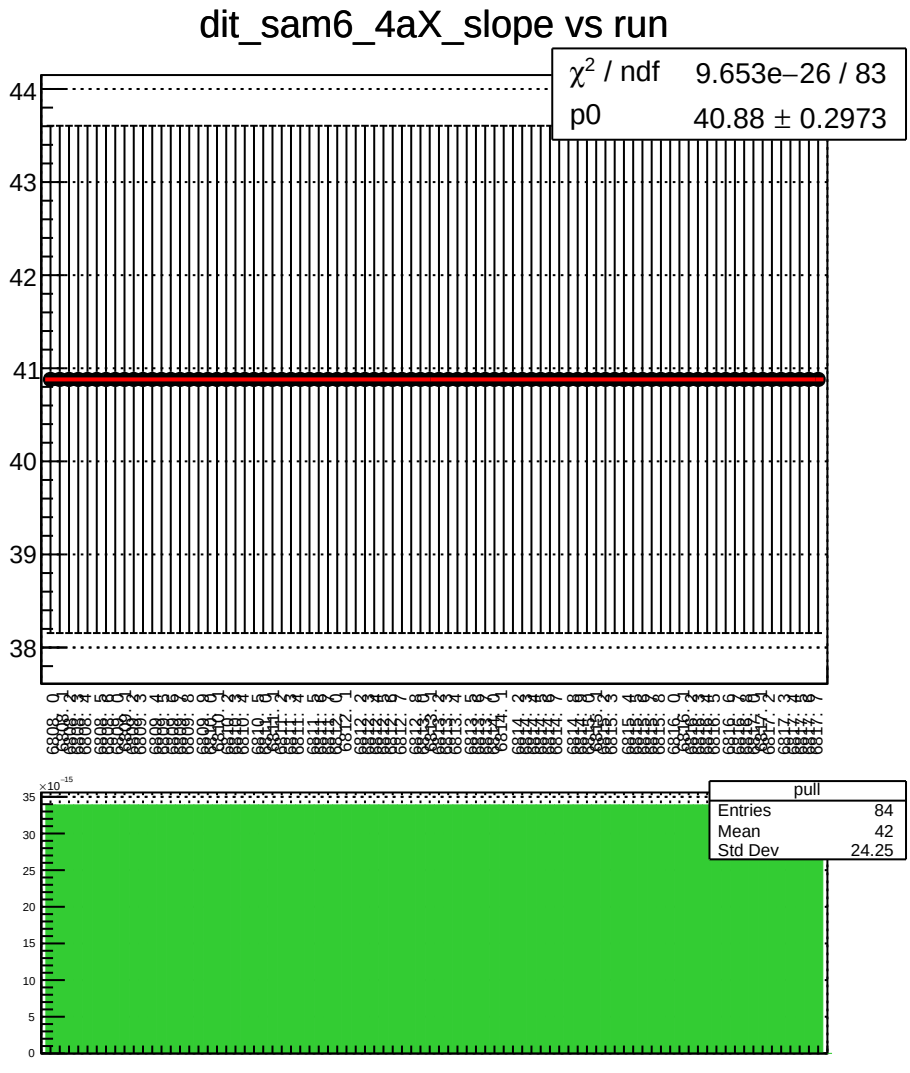

dit_sam5_11X12X_slope vs run
χ² / ndf 1.878e−27 / 83
p0 0.3001 ± 0.002562
0.32
0.31
0.3
0.29
0.28
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
pull1D
Entries 84
Mean −4.728e−15
Std Dev 2.05e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

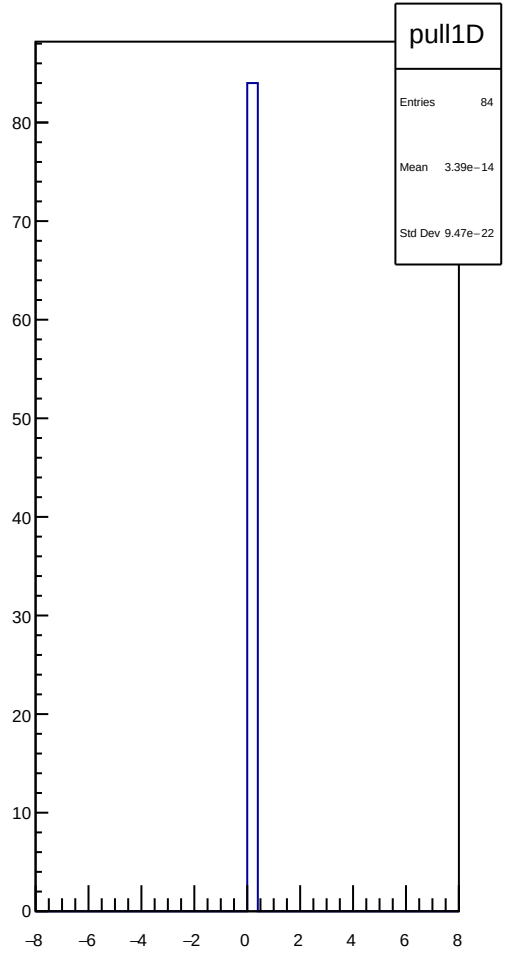

dit_sam5_4aY_slope vs run
χ² / ndf 1.749e−22 / 83
p0 32.12 ± 0.009133
32.22
32.2
32.18
32.16
32.14
32.12
32.1
32.08
32.06
32.04
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
1.4
1.2
1
0.8
0.6
0.4
0.2
0

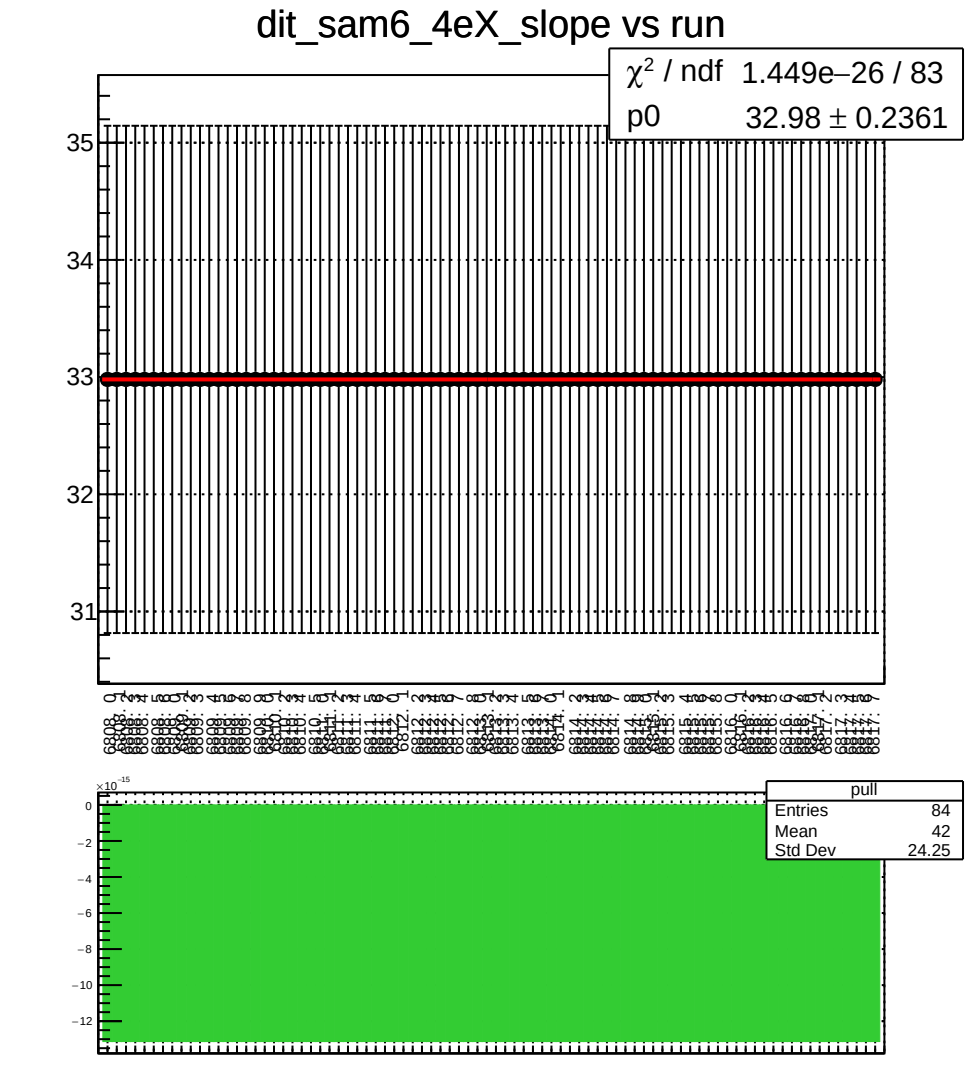

pull1D
Entries 84
Mean 1.443e−12
Std Dev5.421e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

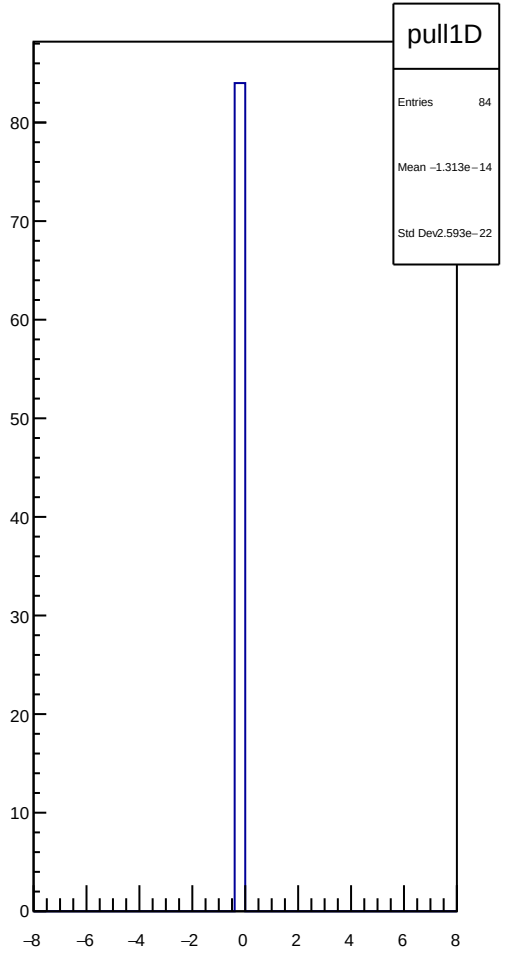

dit_sam5_4eY_slope vs run
χ² / ndf 1.289e−23 / 83
p0 116 ± 0.03958
116.4
116.3
116.2
116.1
116
115.9
115.8
115.7
115.6
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 84
Mean 42
Std Dev 24.25

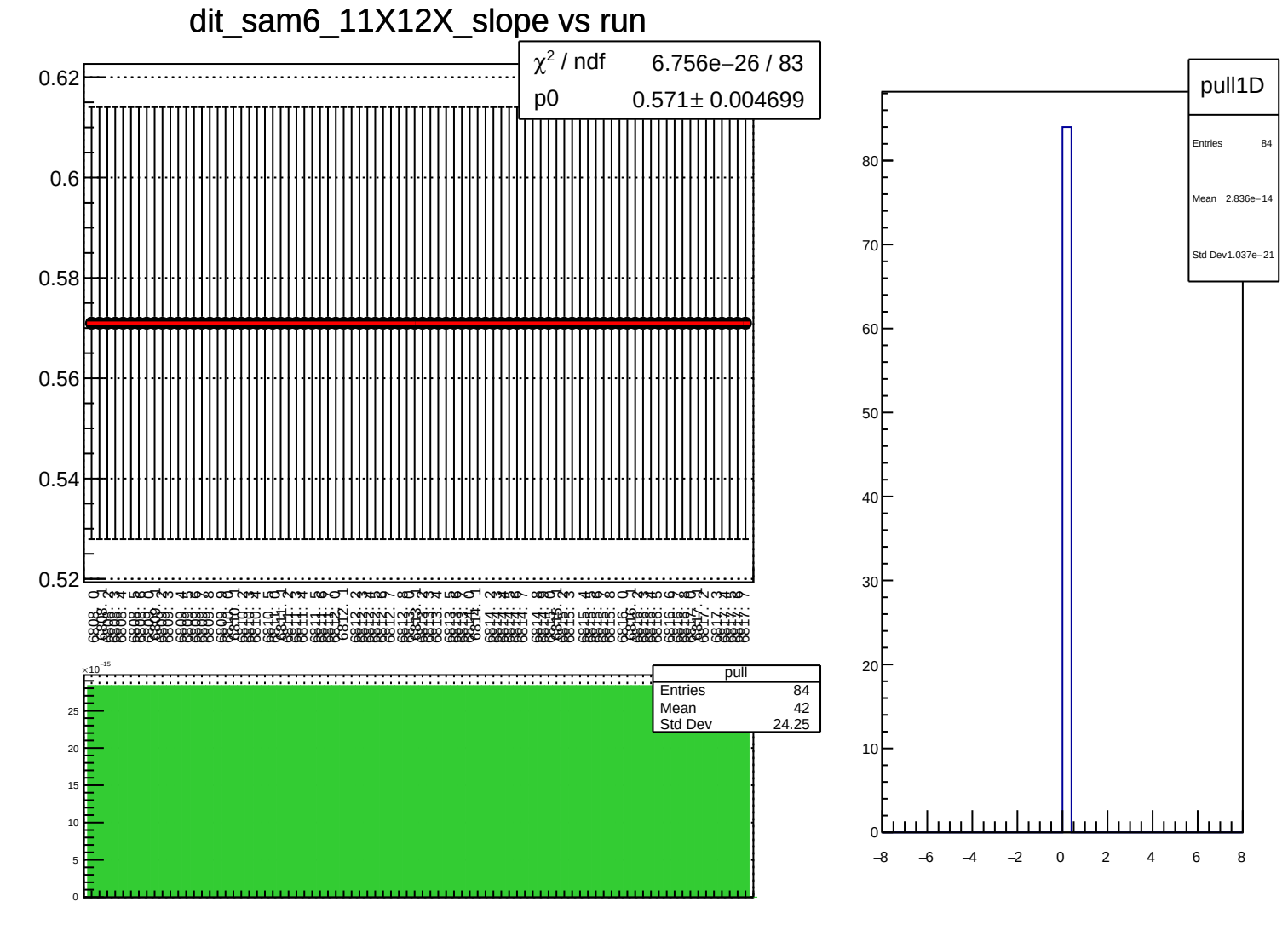

pull1D
Entries 84
Mean 3.918e−13
Std Dev 2.247e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

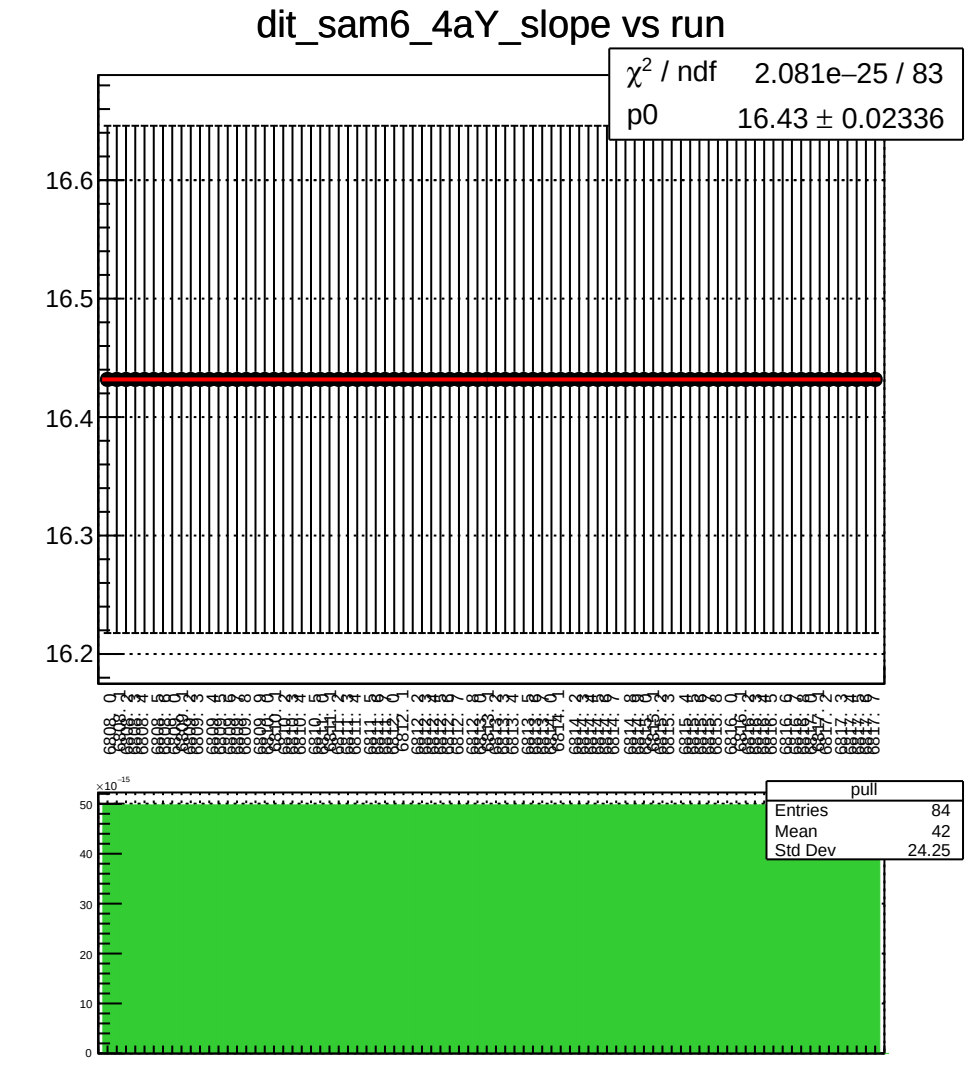

dit_sam6_4aX_slope vs run
χ^2 / ndf 9.653e−26 / 83
p0 40.88 ± 0.2973
pull
Entries 84
Mean 42
Std Dev 24.25

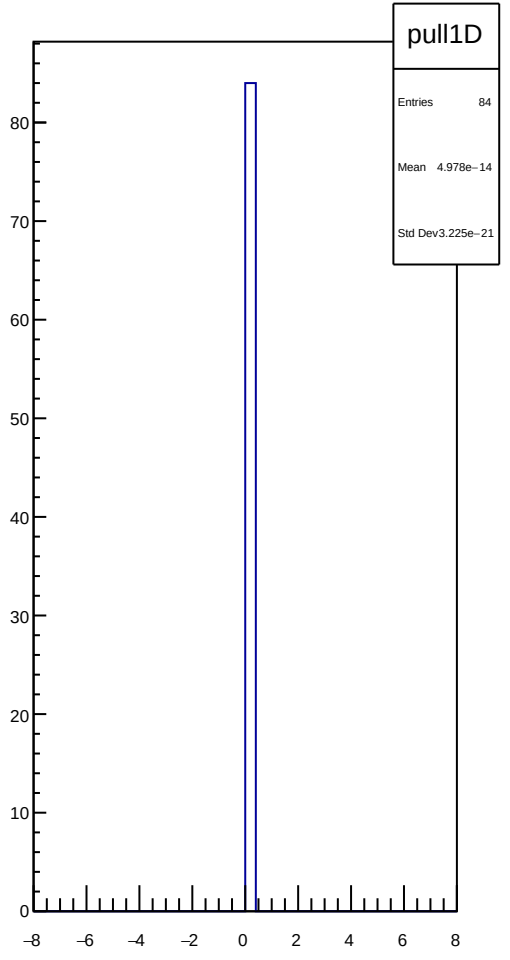

pull1D
Entries 84
Mean 3.39e−14
Std Dev 9.47e−22

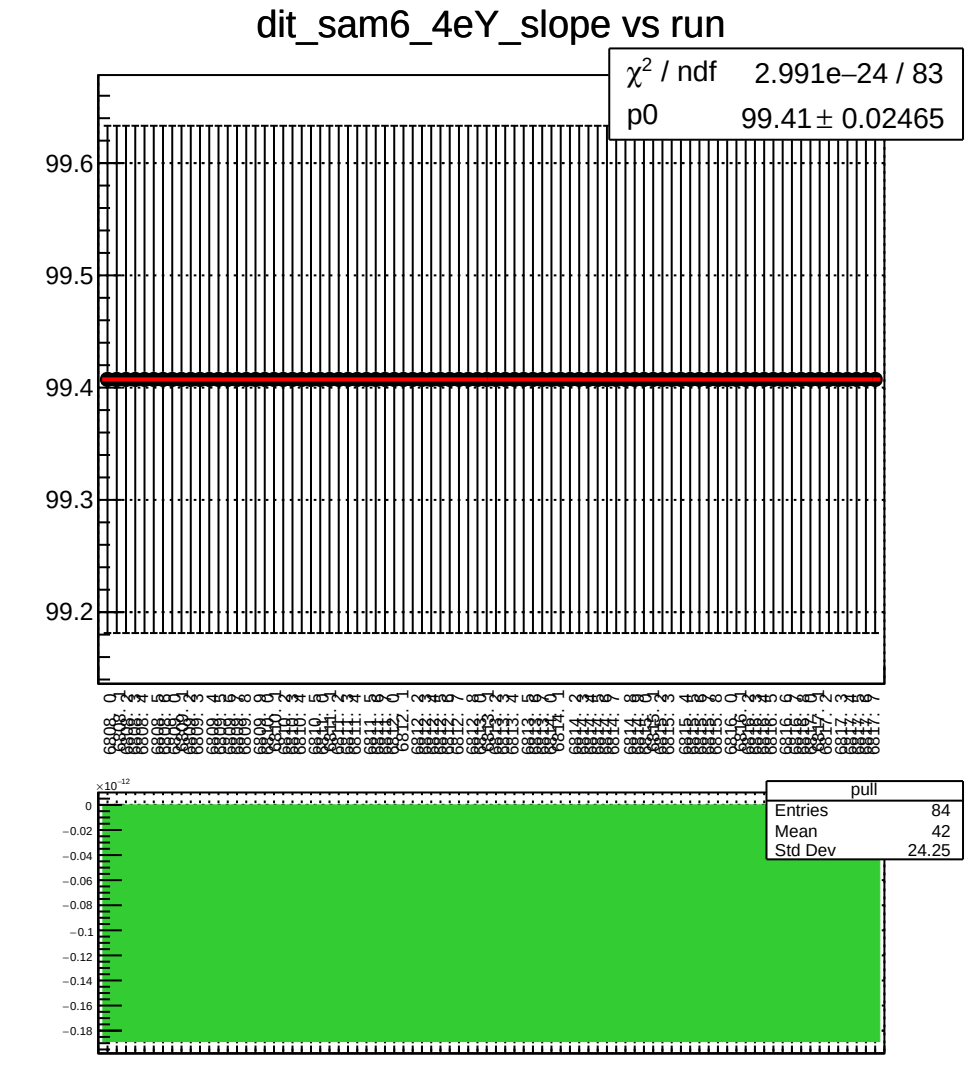

dit_sam6_4eX_slope vs run
χ² / ndf 1.449e−26 / 83
p0 32.98 ± 0.2361
35
34
33
32
31
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

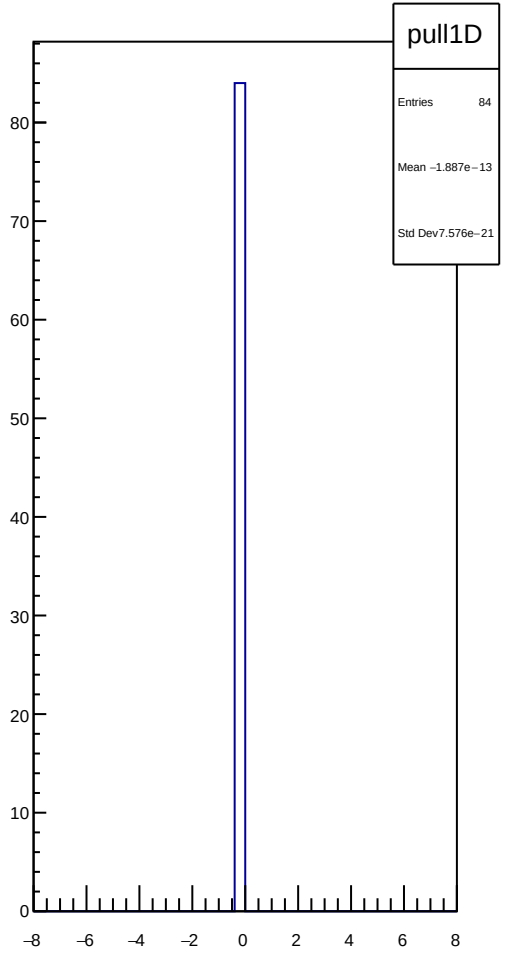

pull1D
Entries 84
Mean −1.313e−14
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

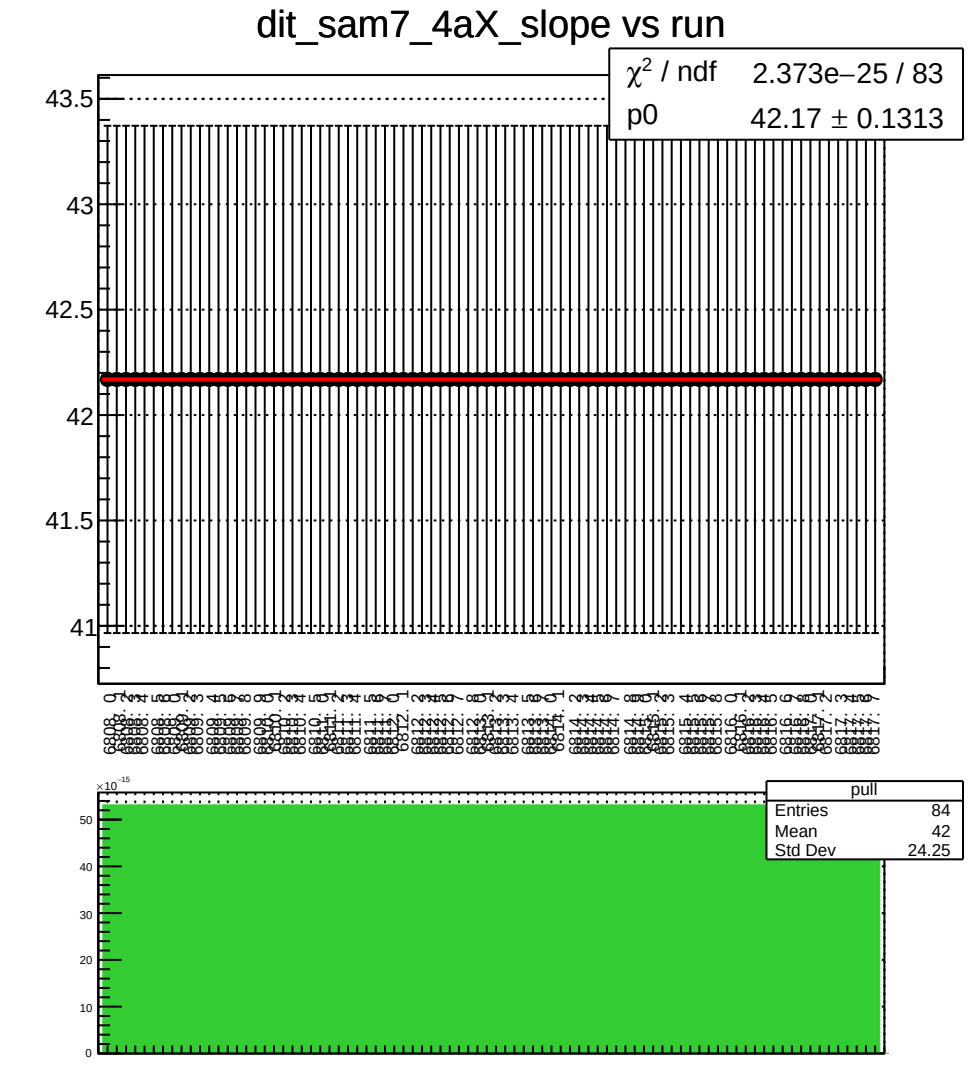

dit_sam6_11X12X_slope vs run
χ² / ndf 6.756e−26 / 83
p0 0.571± 0.004699
0.62
0.6
0.58
0.56
0.54
0.52
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 2.836e−14
Std Dev1.037e−21

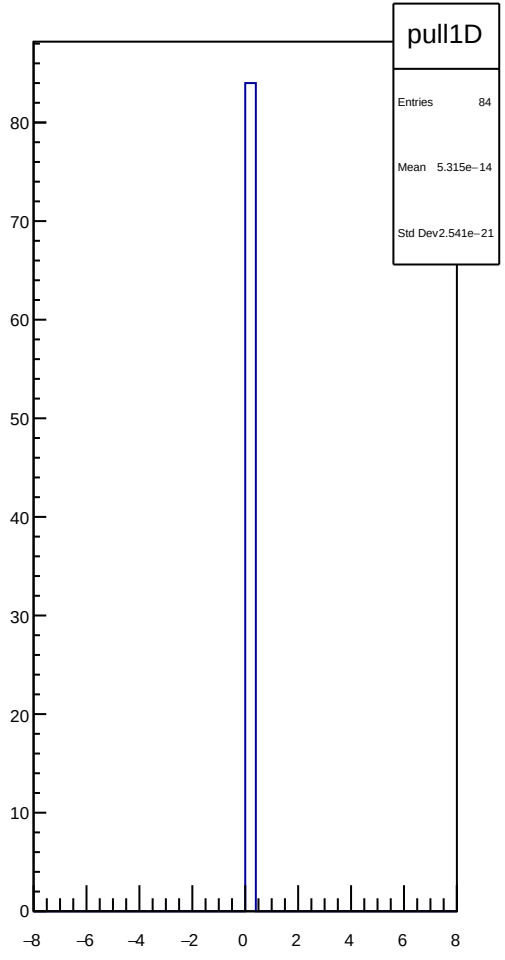

dit_sam6_4aY_slope vs run
χ² / ndf 2.081e−25 / 83
p0 16.43 ± 0.02336
16.6
16.5
16.4
16.3
16.2
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 84
Mean 42
Std Dev 24.25

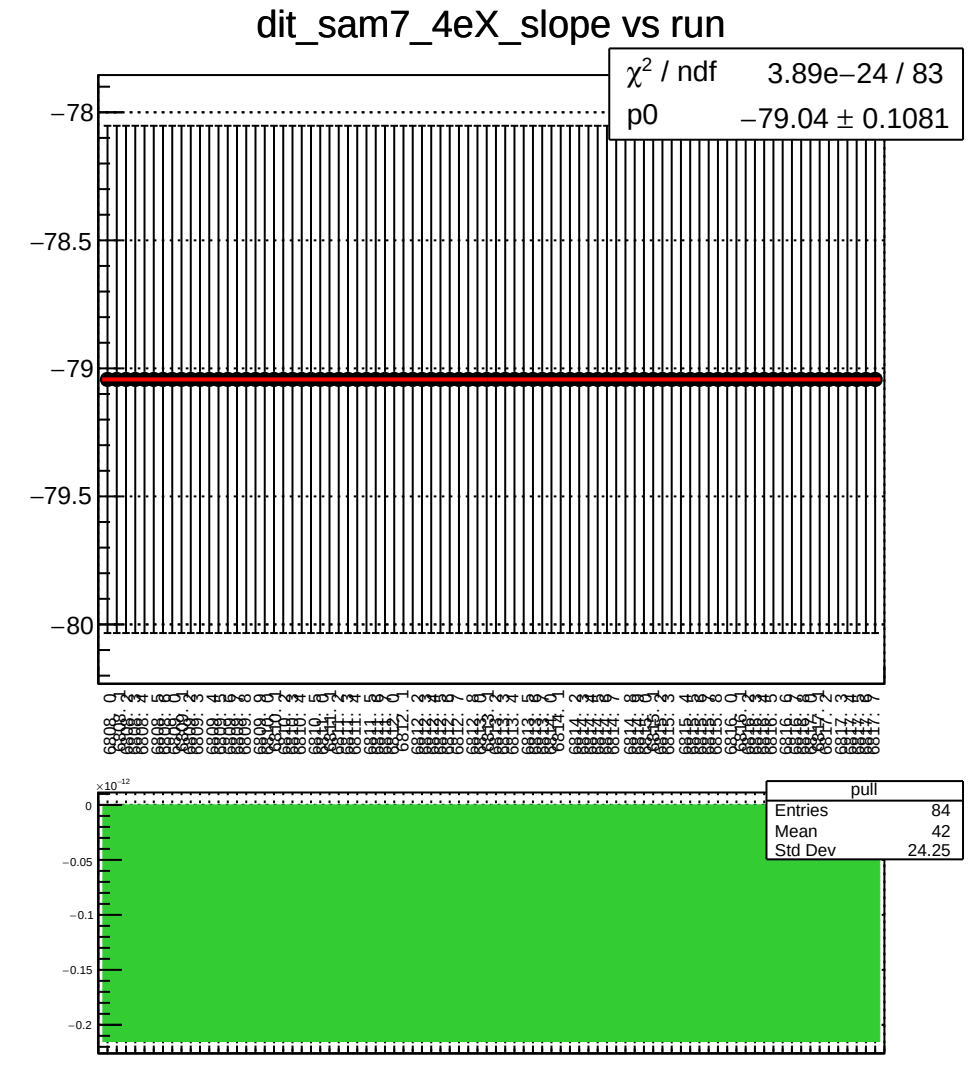

pull1D
Entries 84
Mean 4.978e−14
Std Dev3.225e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

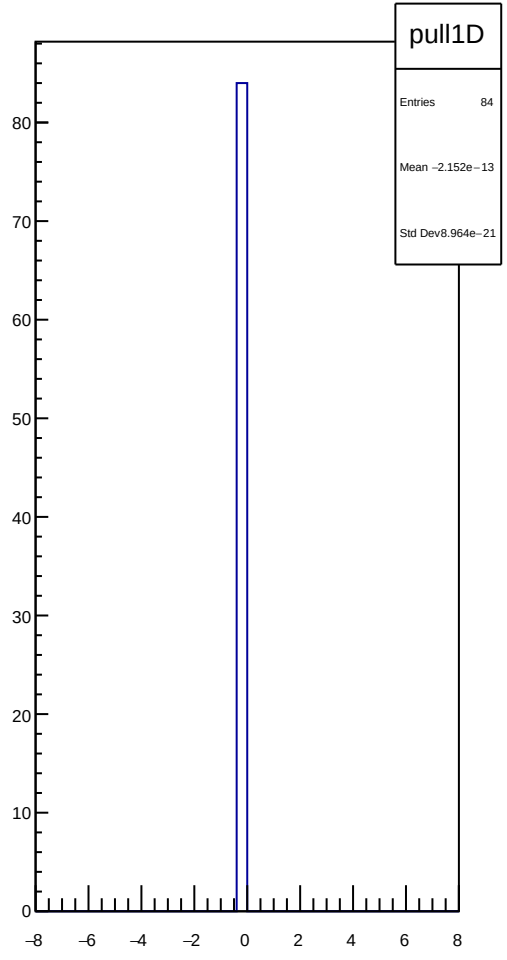

dit_sam6_4eY_slope vs run
χ^2 / ndf 2.991e−24 / 83
p0 99.41 ± 0.02465
99.6
99.5
99.4
99.3
99.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

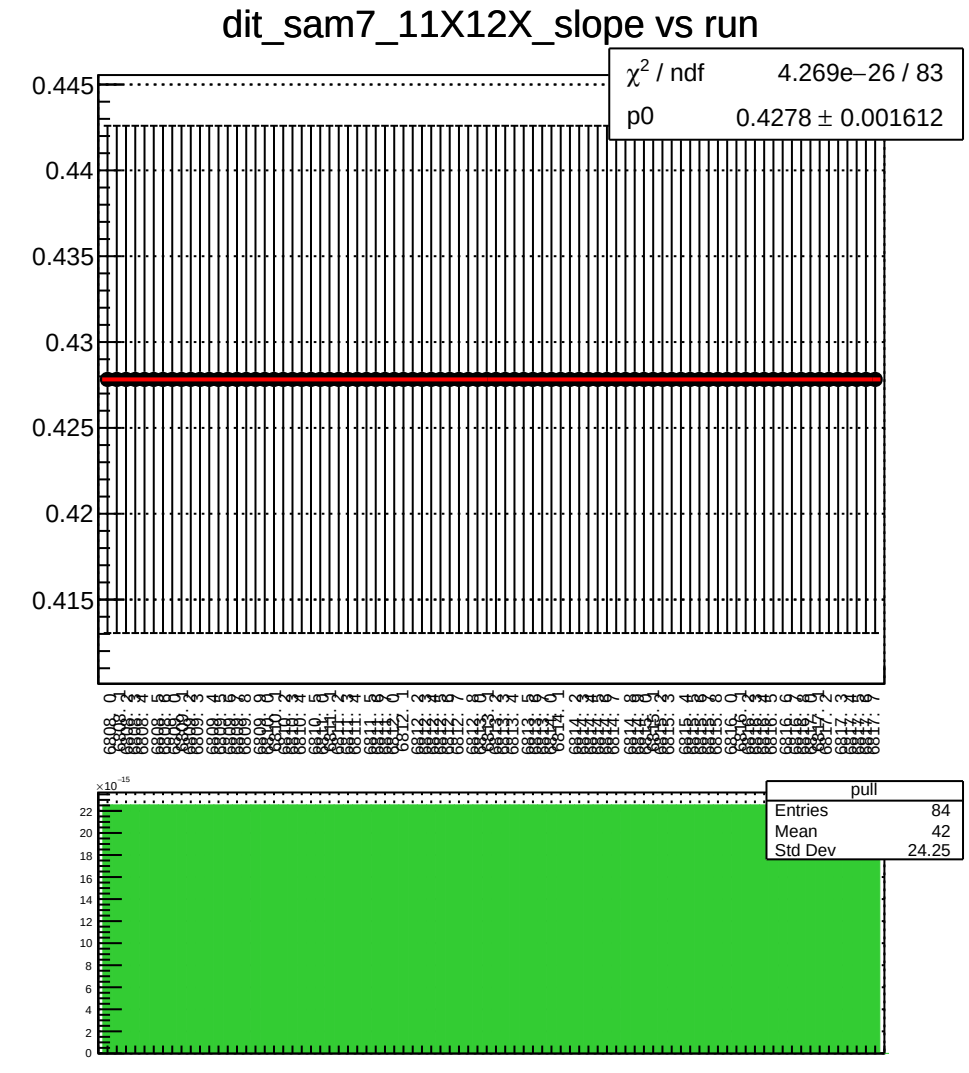

pull1D
Entries 84
Mean −1.887e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

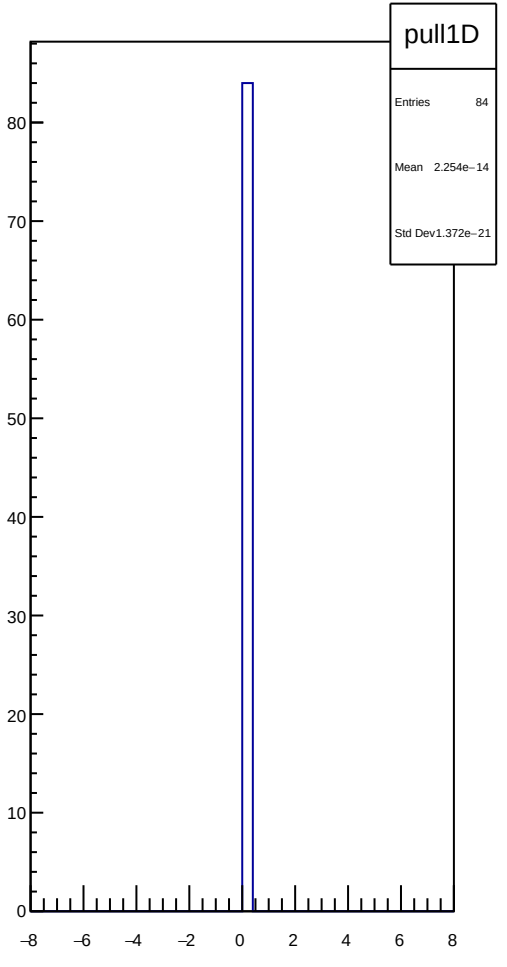

dit_sam7_4aX_slope vs run
χ² / ndf 2.373e−25 / 83
p0 42.17 ± 0.1313
43.5
43
42.5
42
41.5
41
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
50
40
30
20
10
0

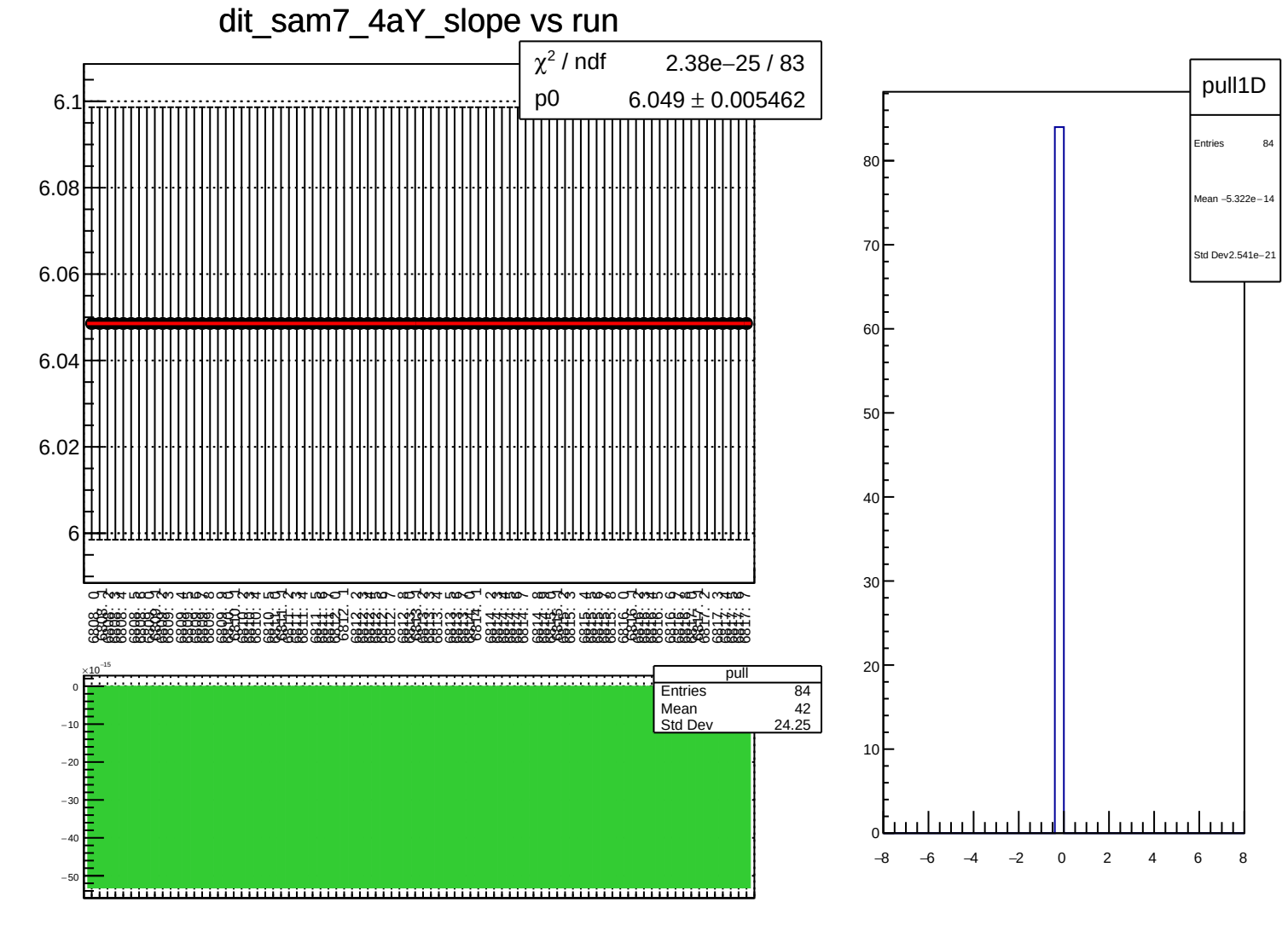

pull1D
Entries 84
Mean 5.315e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

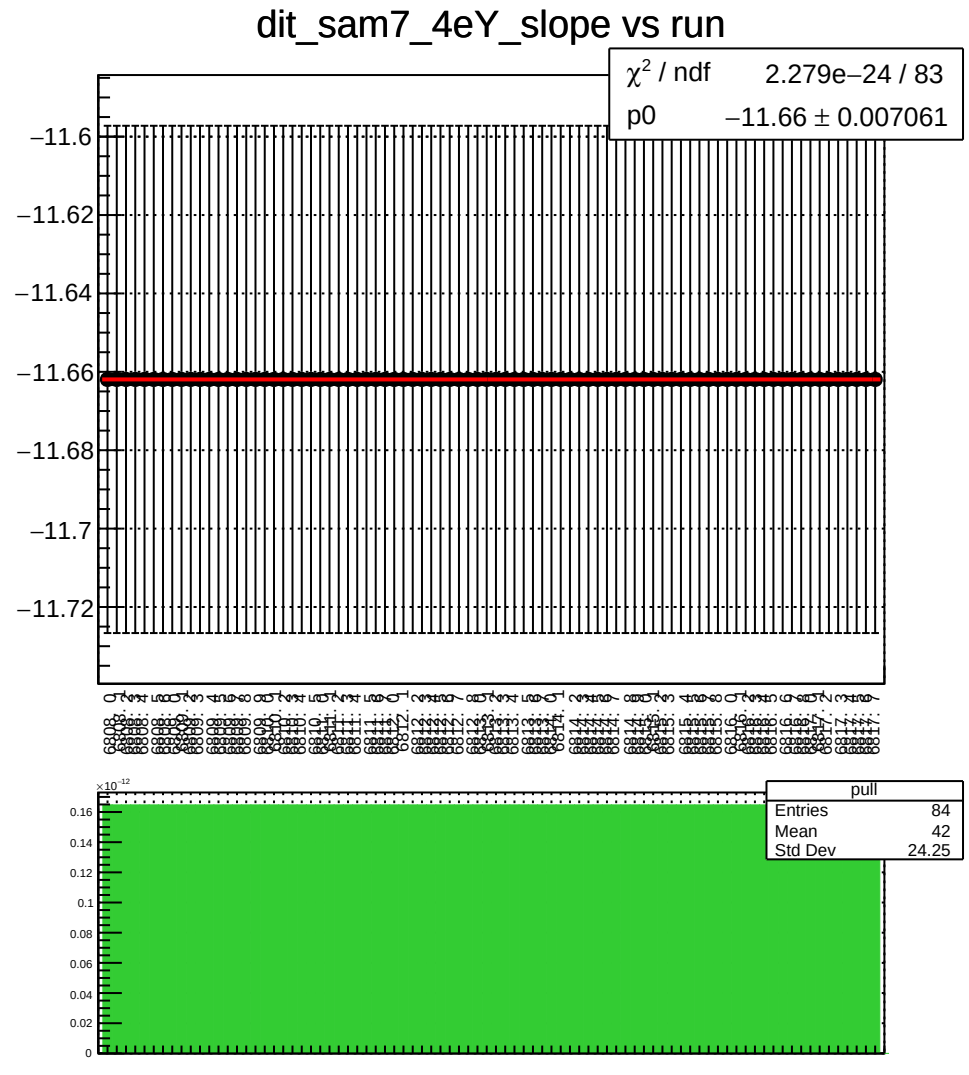

dit_sam7_4eX_slope vs run
χ² / ndf 3.89e−24 / 83
p0 −79.04 ± 0.1081
−78
−78.5
−79
−79.5
−80
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

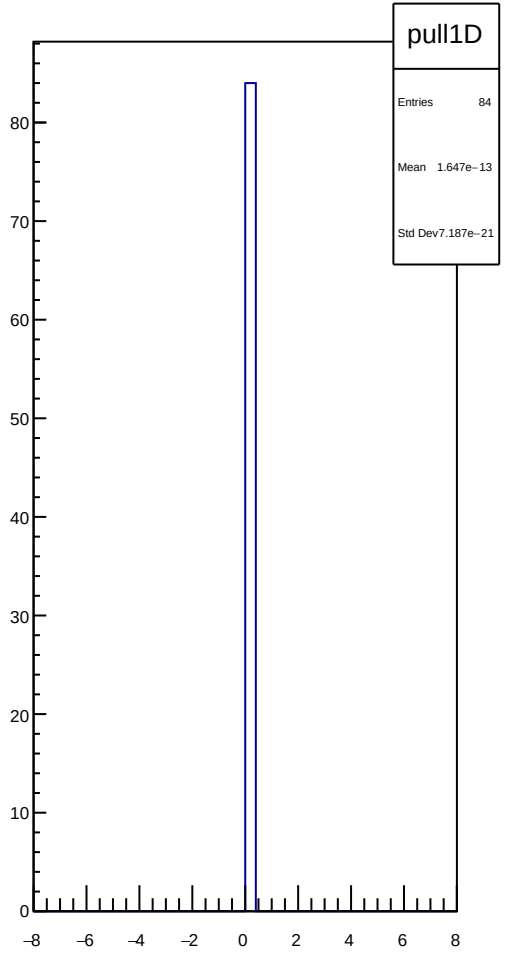

pull1D
Entries 84
Mean −2.152e−13
Std Dev8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

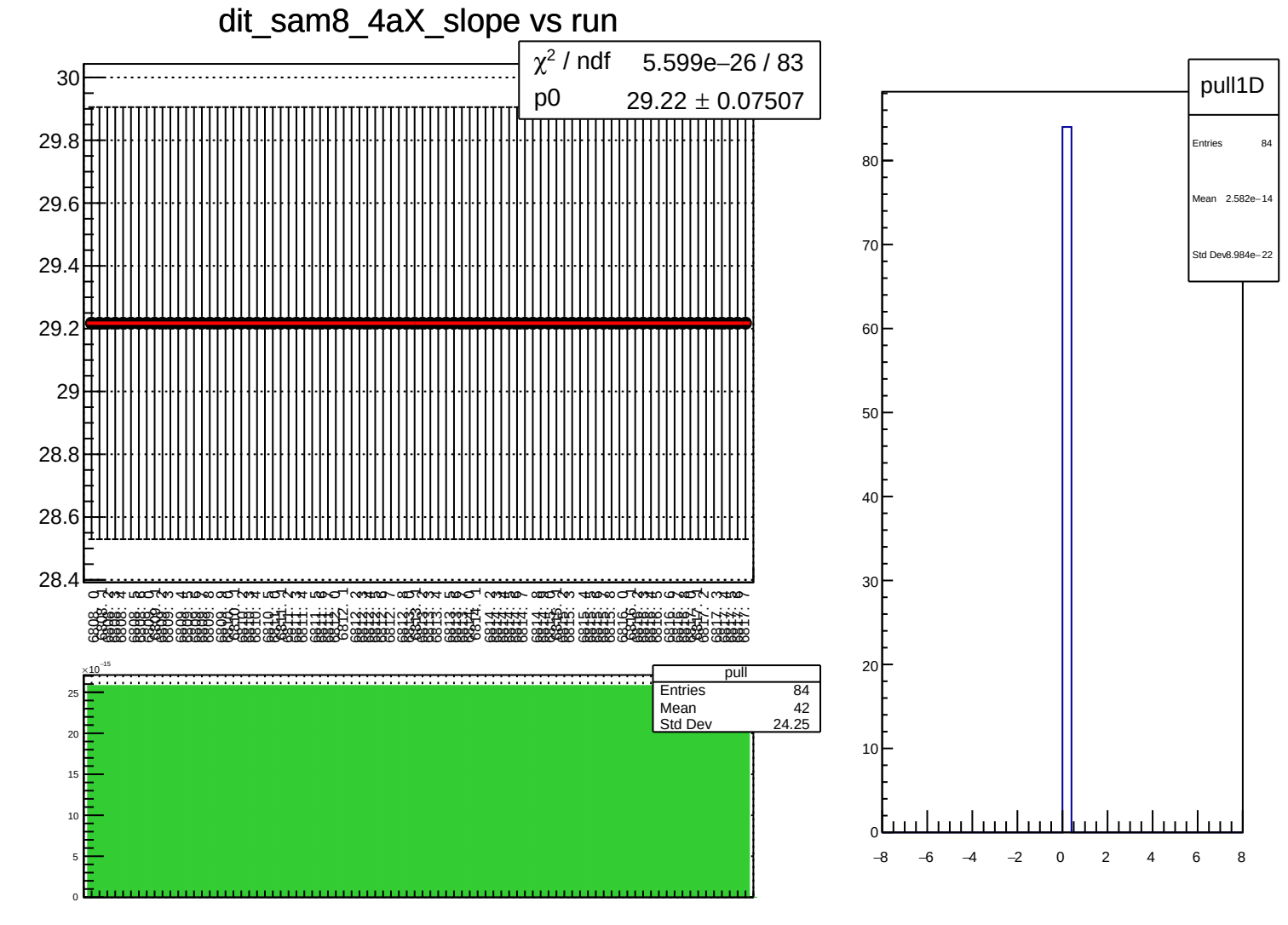

dit_sam7_11X12X_slope vs run
χ² / ndf 4.269e−26 / 83
p0 0.4278 ± 0.001612
0.445
0.44
0.435
0.43
0.425
0.42
0.415
×10⁻¹⁵
pull
Entries 84
Mean 42
Std Dev 24.25

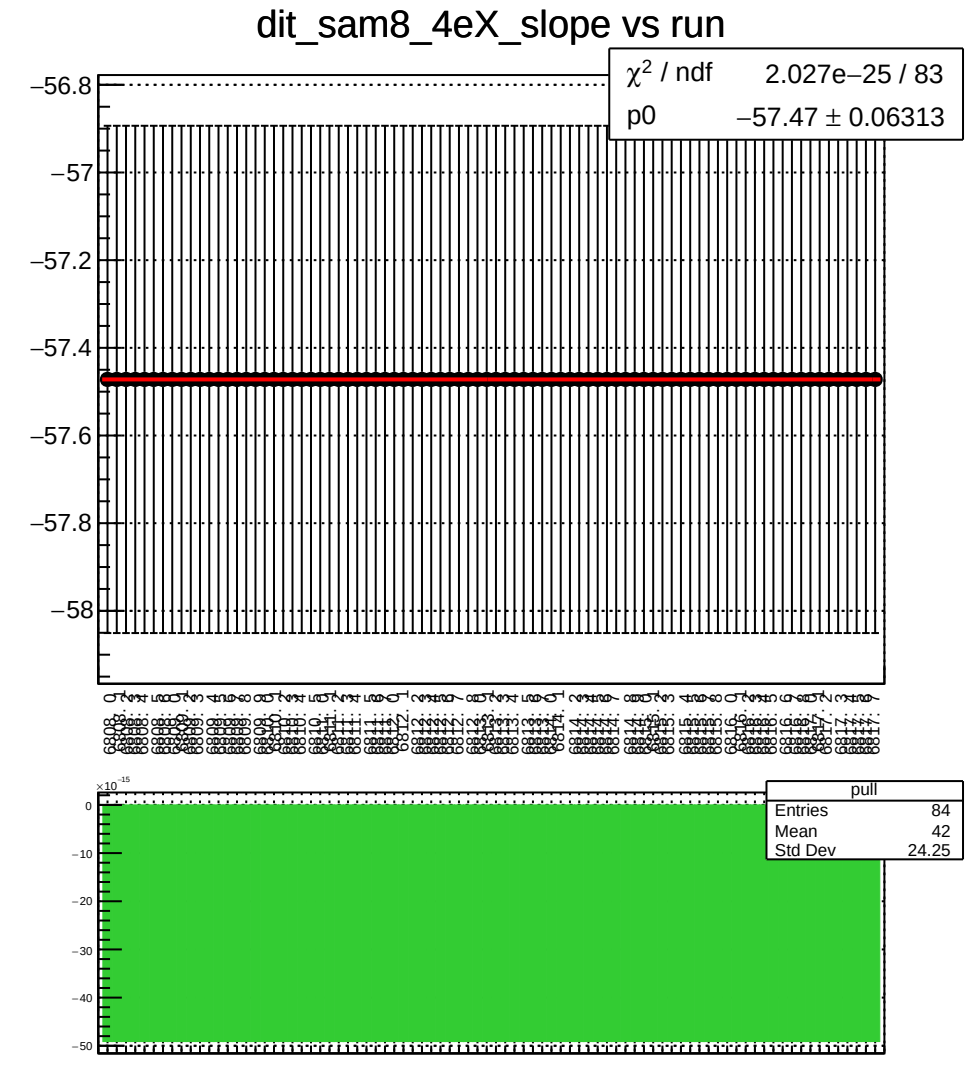

pull1D
Entries 84
Mean 2.254e−14
Std Dev1.372e−21

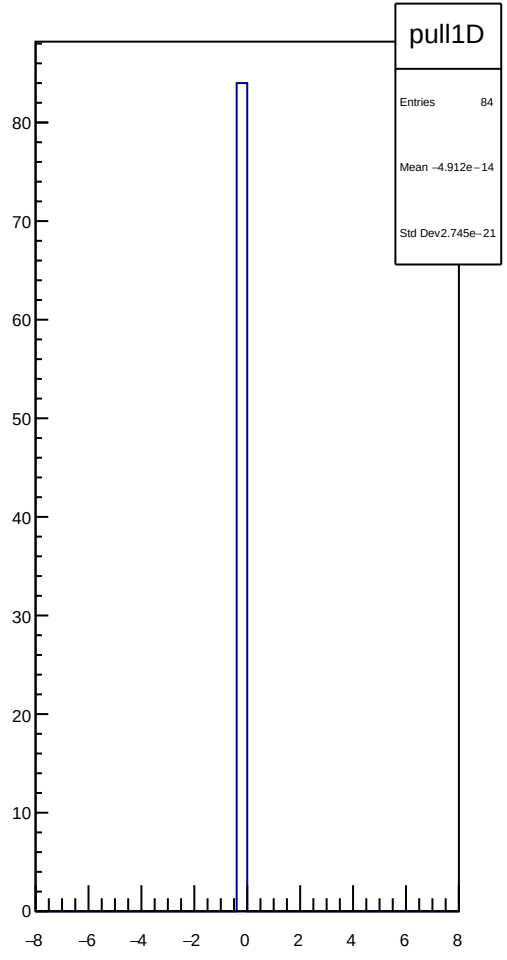

dit_sam7_4aY_slope vs run
χ² / ndf 2.38e−25 / 83
p0 6.049 ± 0.005462
6.1
6.08
6.06
6.04
6.02
6
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −5.322e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

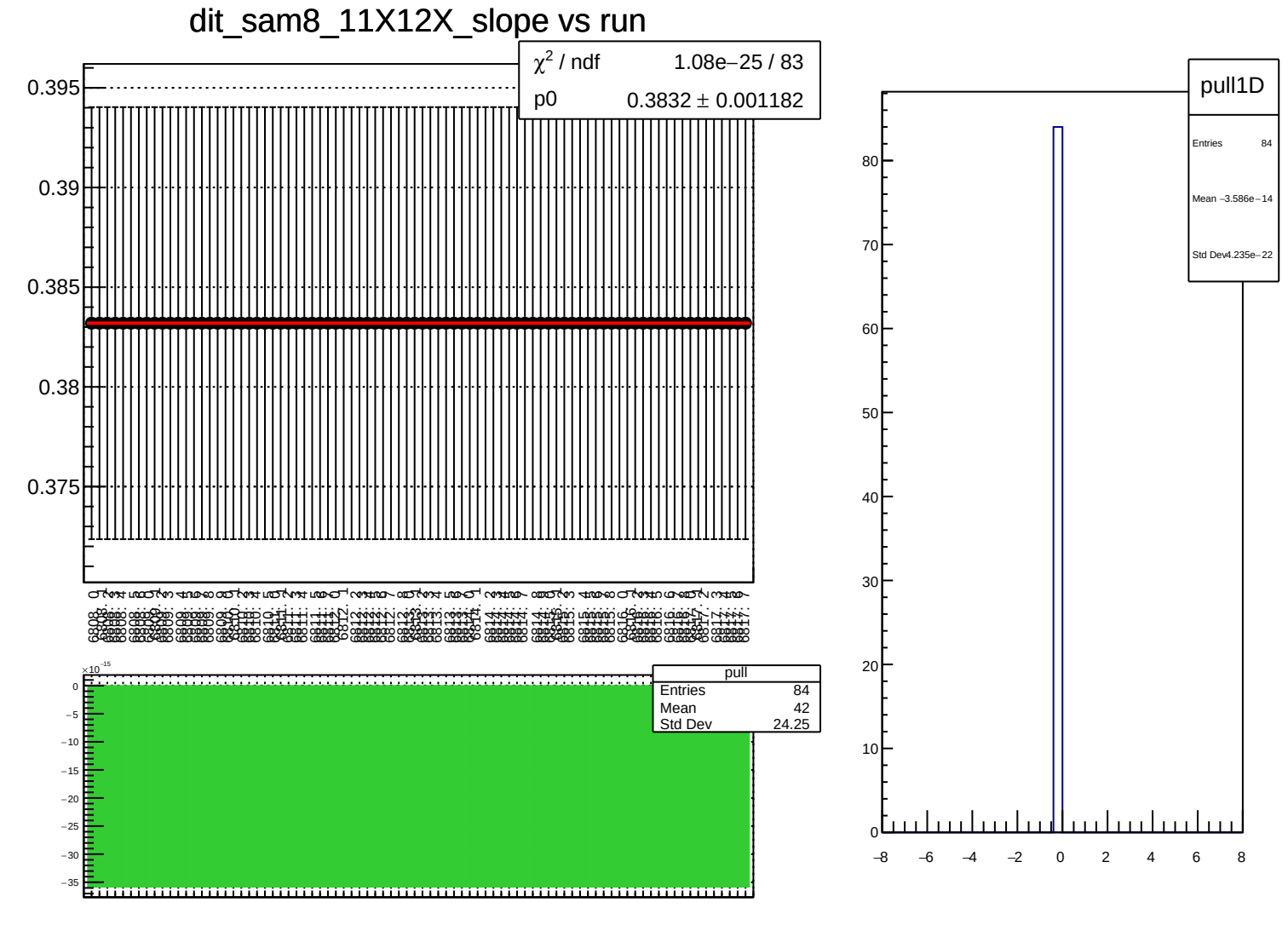

dit_sam7_4eY_slope vs run
χ² / ndf 2.279e−24 / 83
p0 −11.66 ± 0.007061
−11.6
−11.62
−11.64
−11.66
−11.68
−11.7
−11.72
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

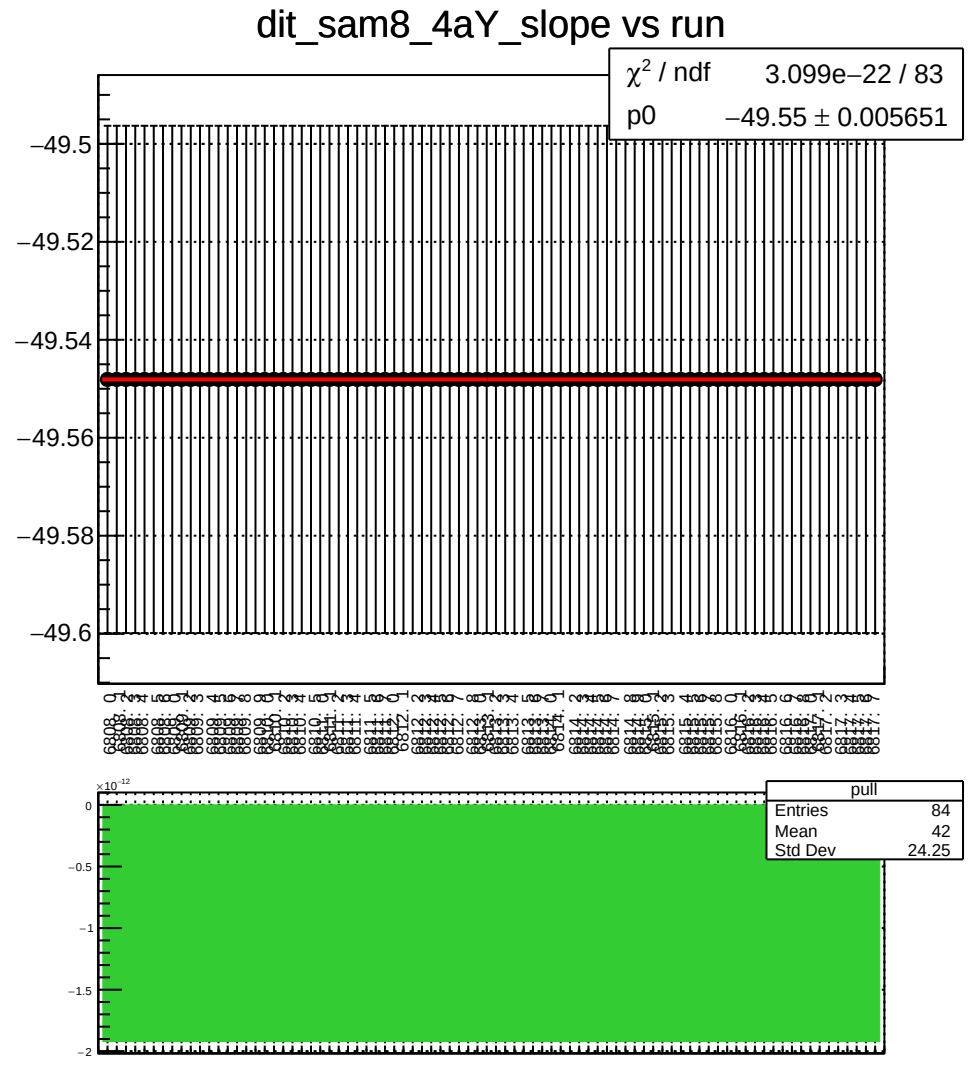

pull1D
Entries 84
Mean 1.647e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

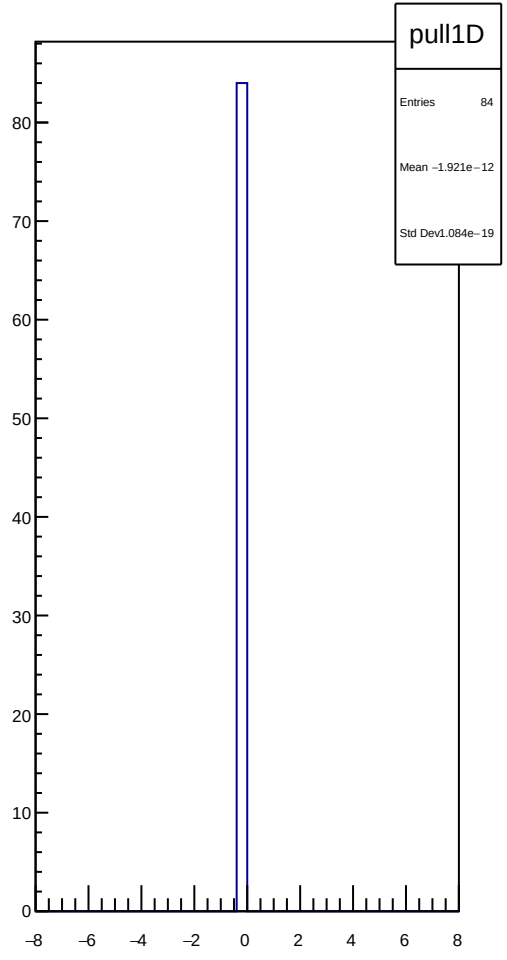

dit_sam8_4aX_slope vs run
χ^2 / ndf 5.599e−26 / 83
p0 29.22 ± 0.07507
30
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 84
Mean 2.582e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

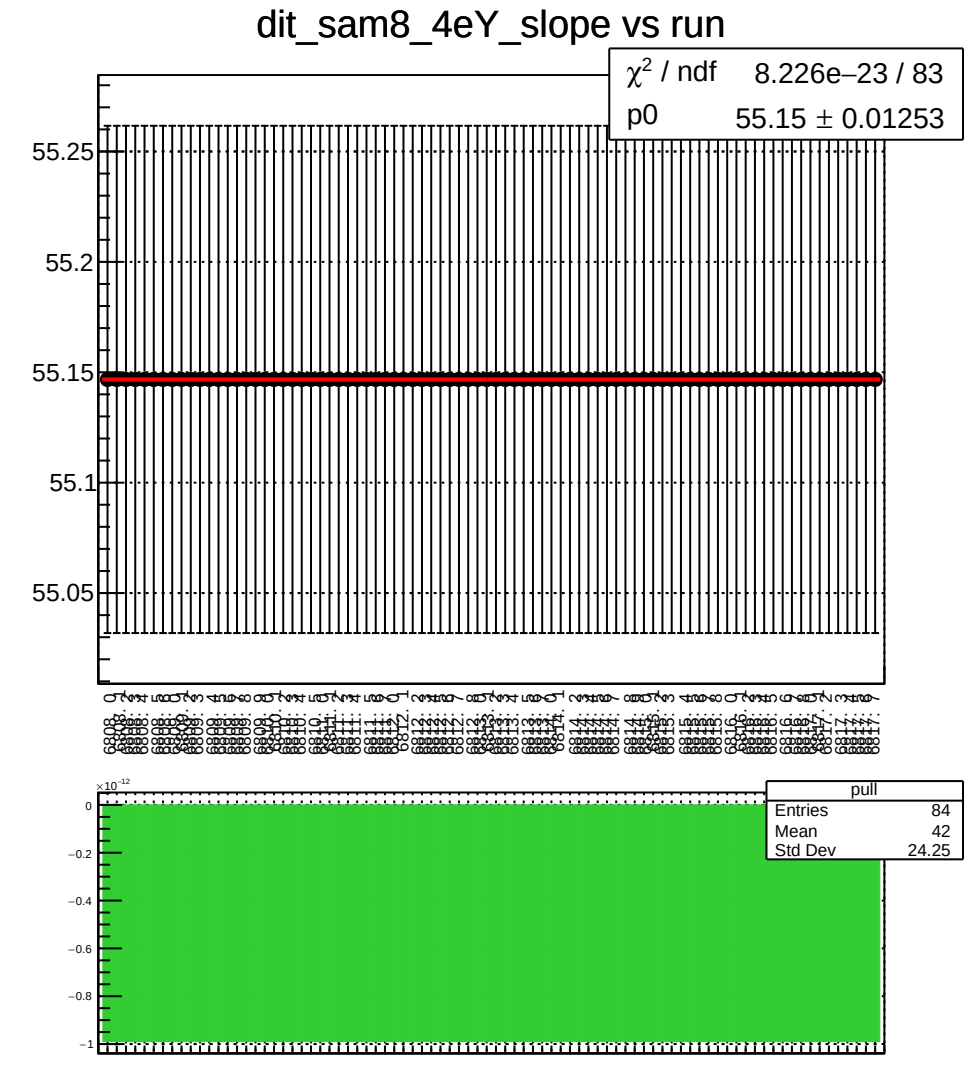

dit_sam8_4eX_slope vs run
χ² / ndf 2.027e−25 / 83
p0 −57.47 ± 0.06313
−56.8
−57
−57.2
−57.4
−57.6
−57.8
−58
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50

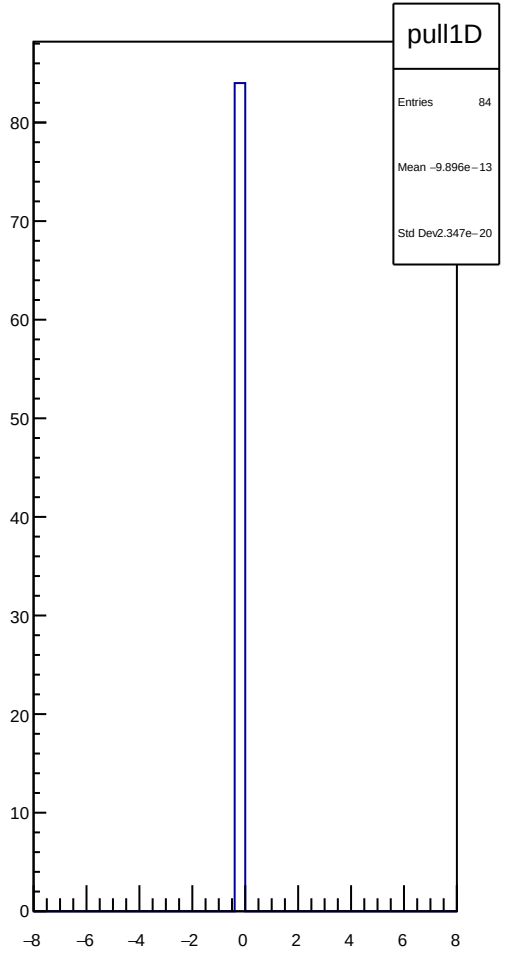

pull1D
Entries 84
Mean −4.912e−14
Std Dev2.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

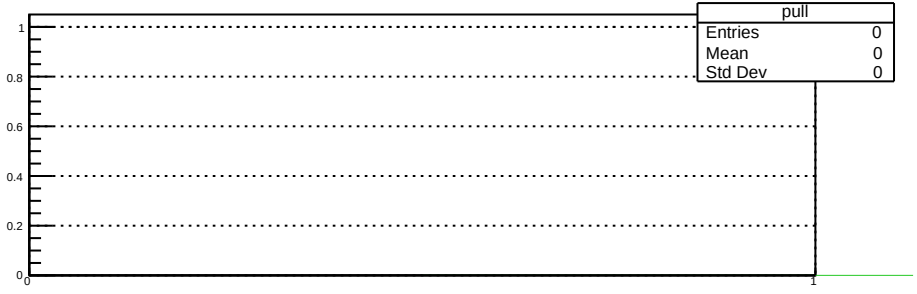

dit_sam8_11X12X_slope vs run
χ² / ndf 1.08e−25 / 83
p0 0.3832 ± 0.001182
0.395
0.39
0.385
0.38
0.375
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 84
Mean −3.586e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

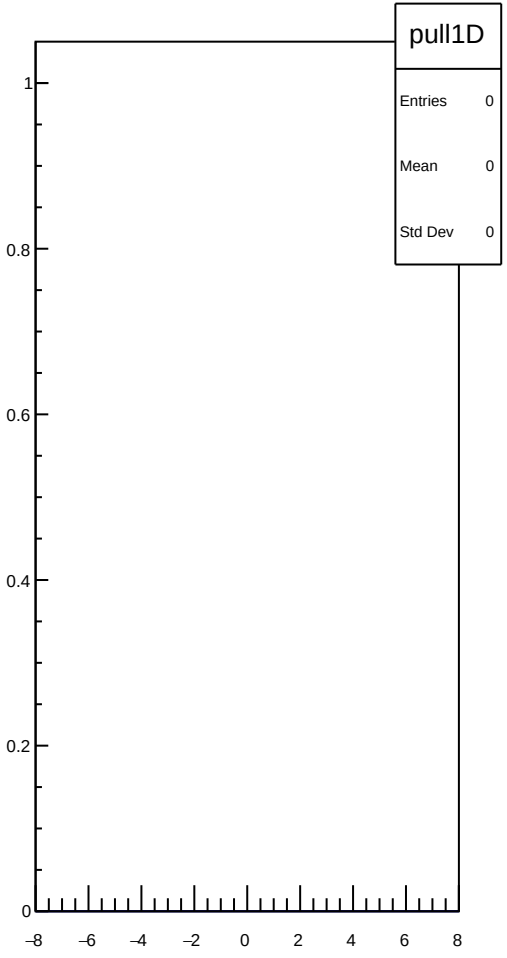

dit_sam8_4aY_slope vs run
χ² / ndf 3.099e−22 / 83
p0 −49.55 ± 0.005651
−49.5
−49.52
−49.54
−49.56
−49.58
−49.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.5
−1
−1.5
−2

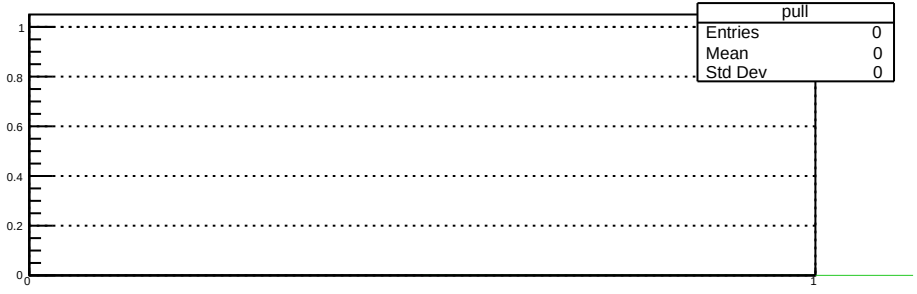

pull1D
Entries 84
Mean −1.921e−12
Std Dev1.084e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

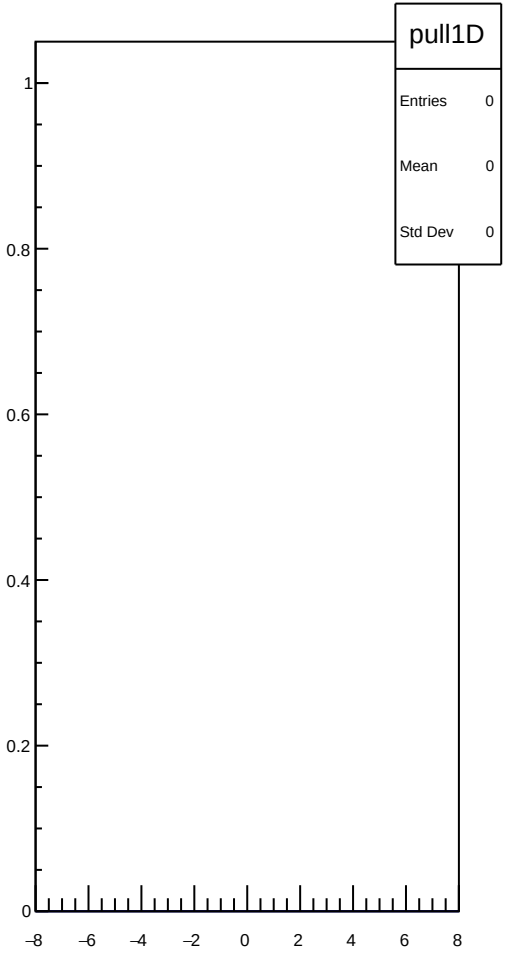

dit_sam8_4eY_slope vs run
χ² / ndf 8.226e−23 / 83
p0 55.15 ± 0.01253
55.25
55.2
55.15
55.1
55.05
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1

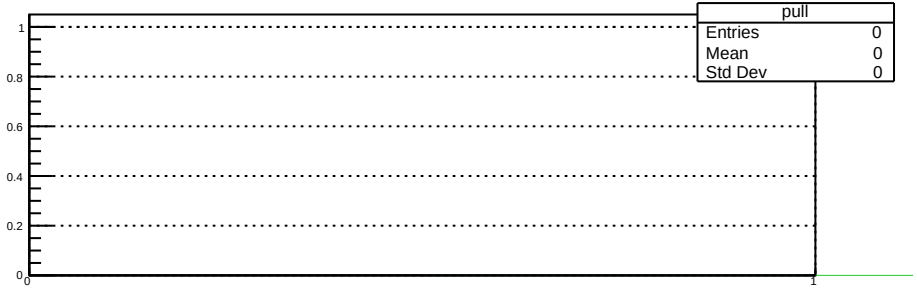

pull1D
Entries 84
Mean −9.896e−13
Std Dev 2.347e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

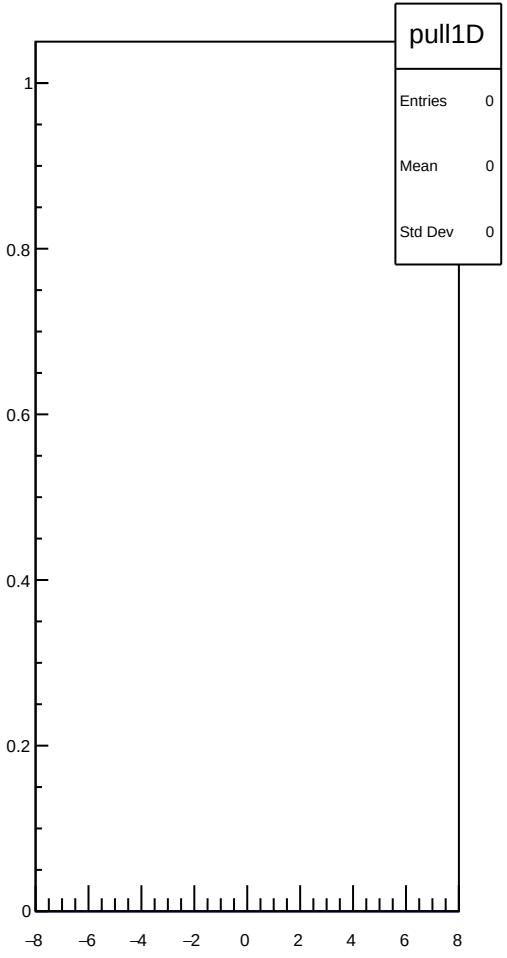

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

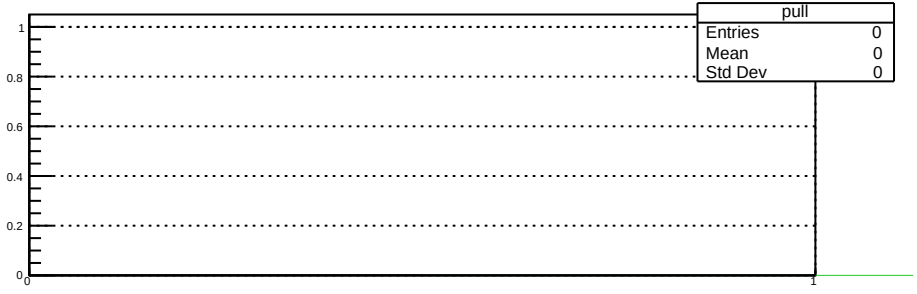

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

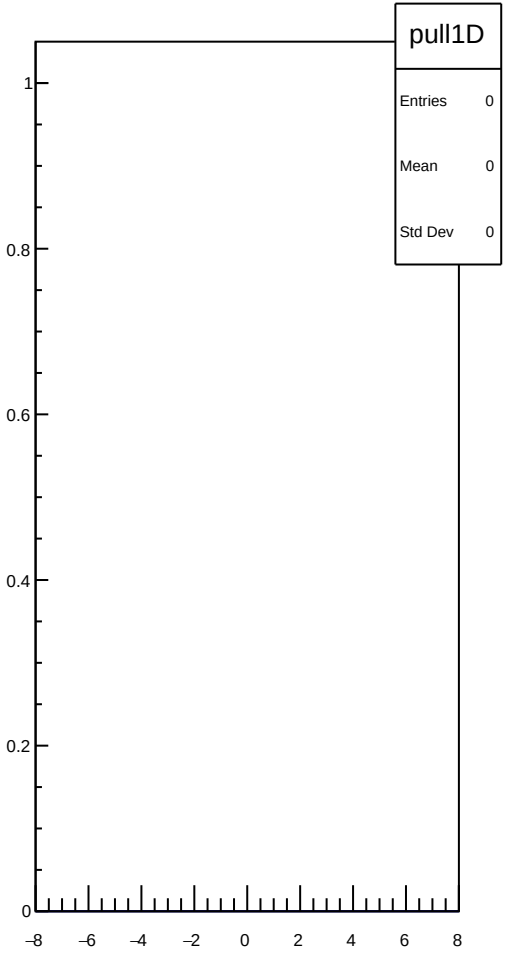

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

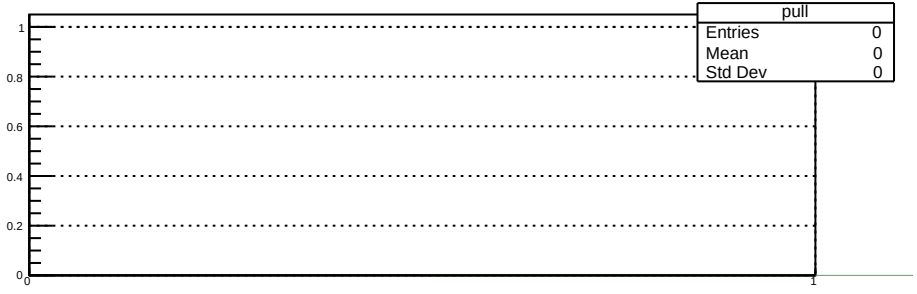

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

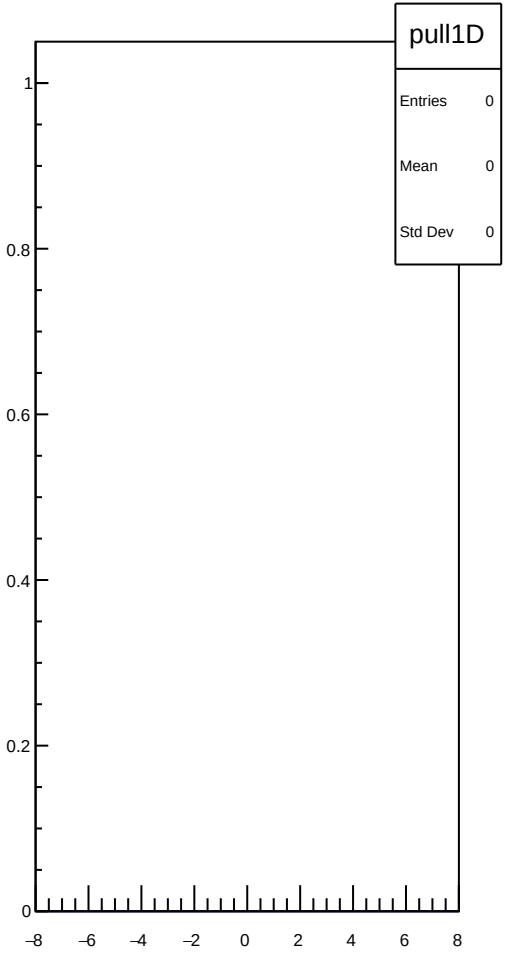

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

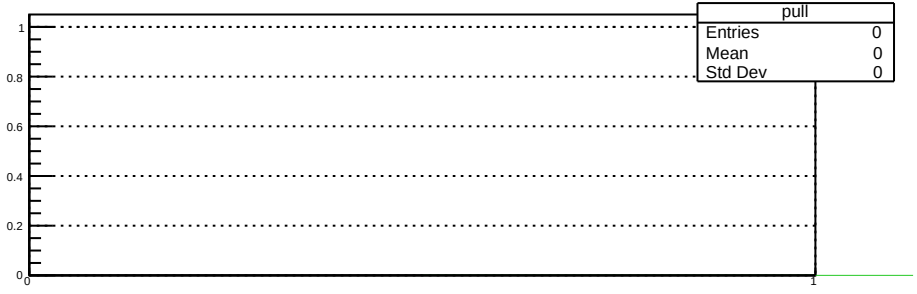

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

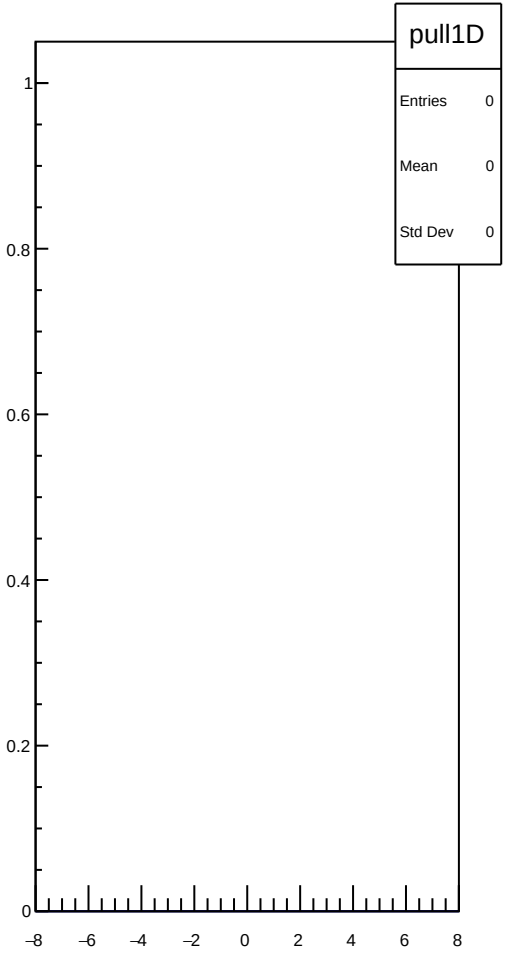

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

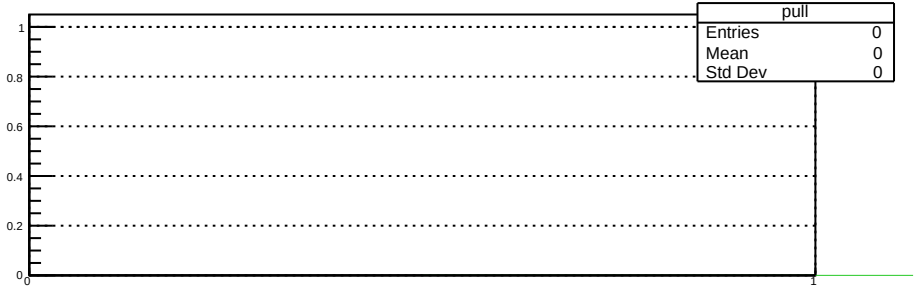

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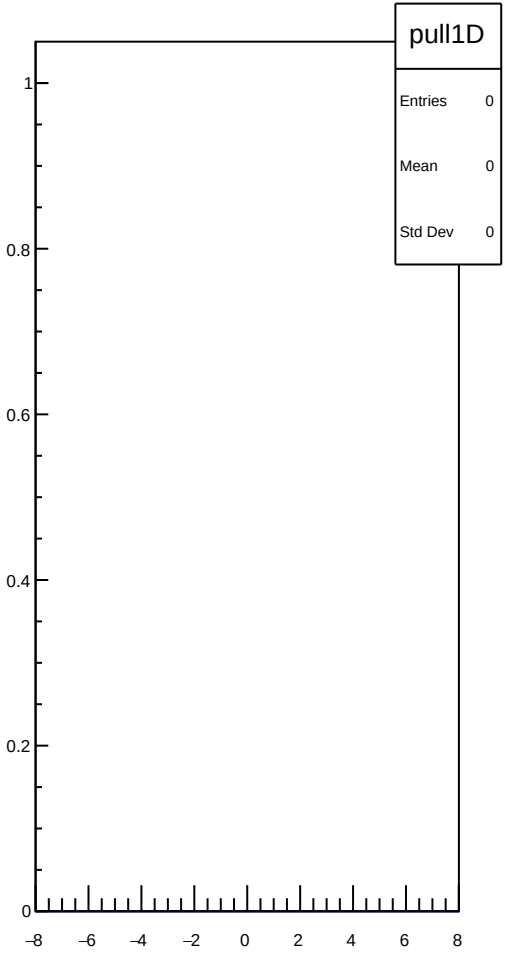

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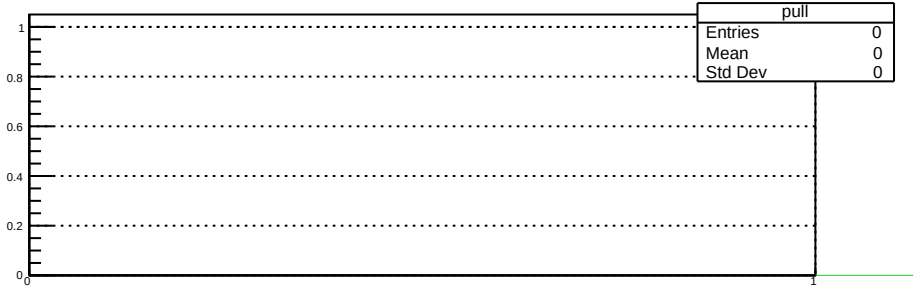

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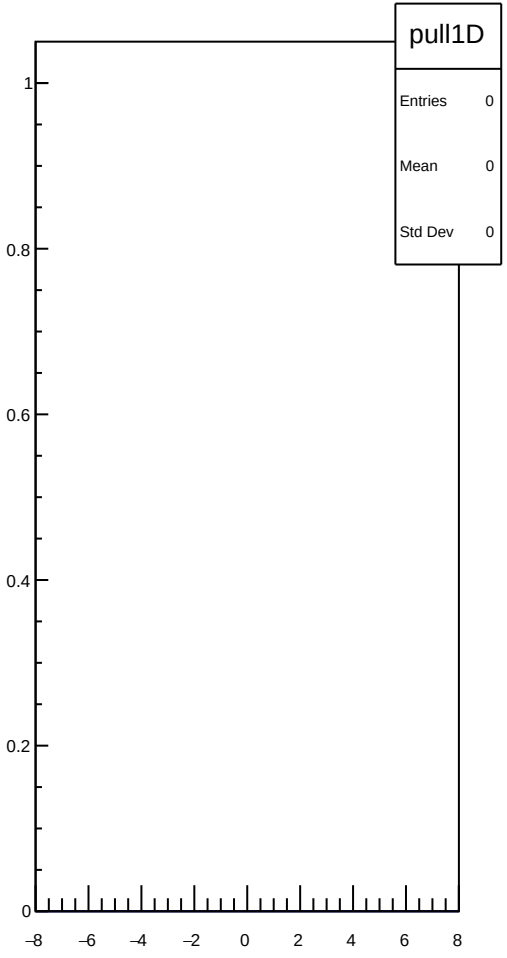

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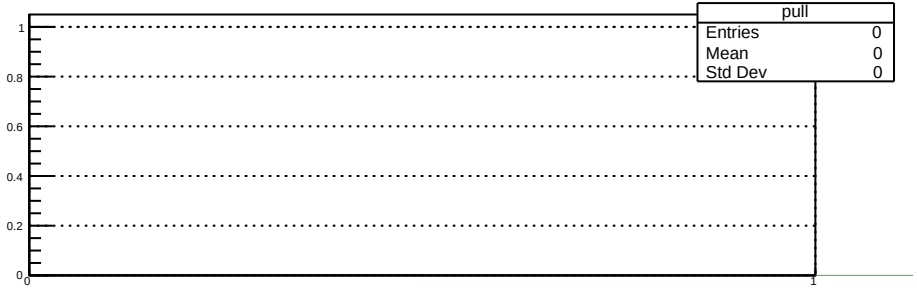

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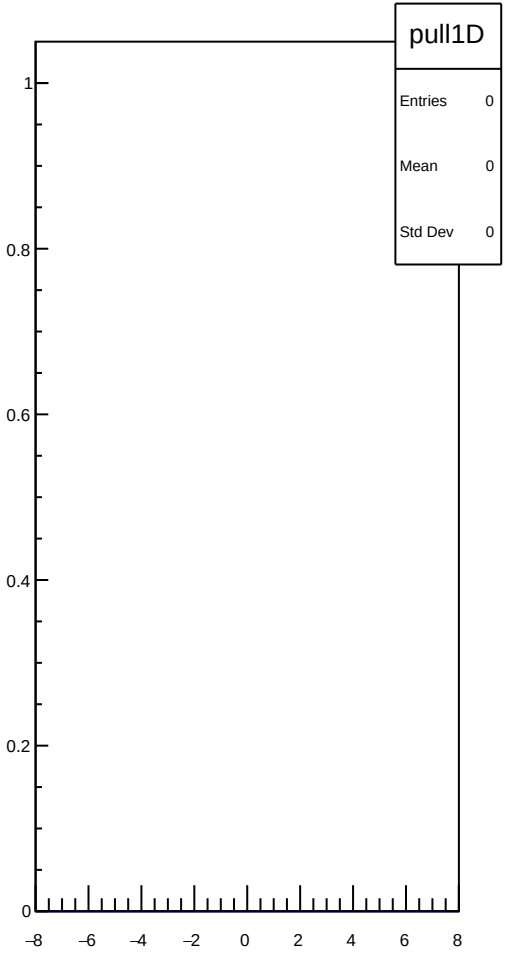

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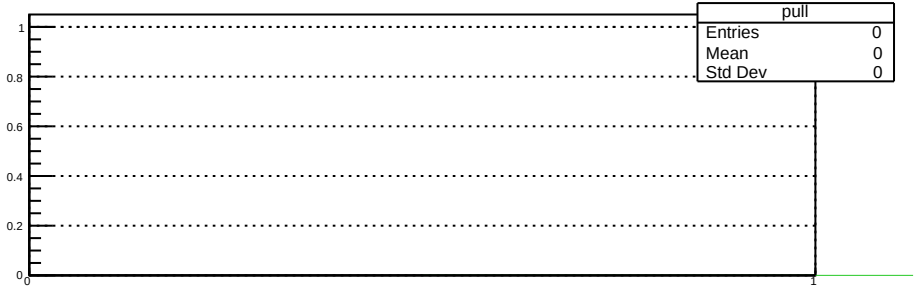

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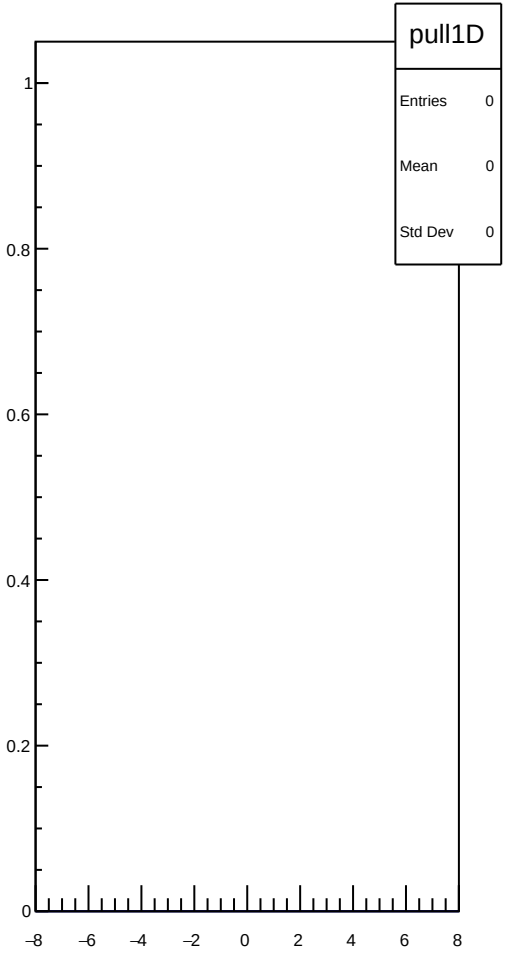

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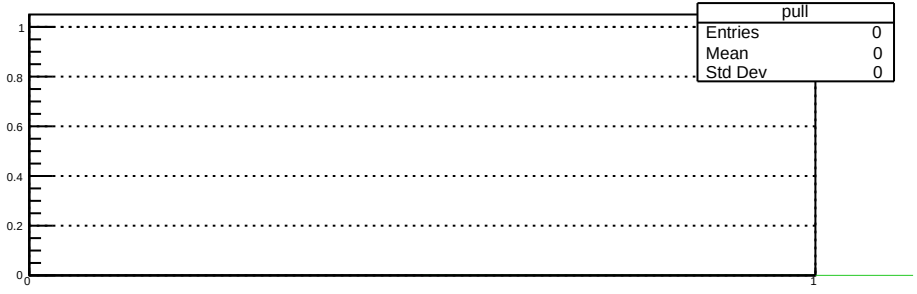

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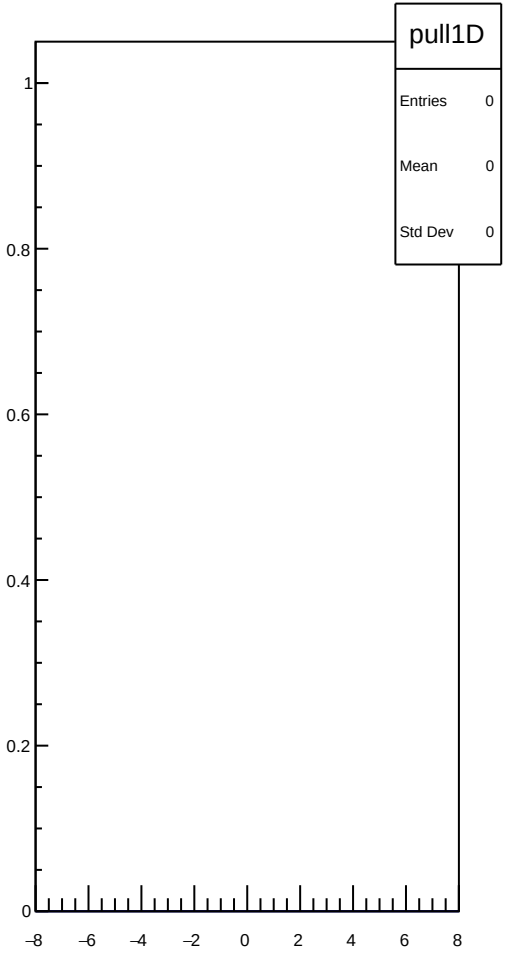

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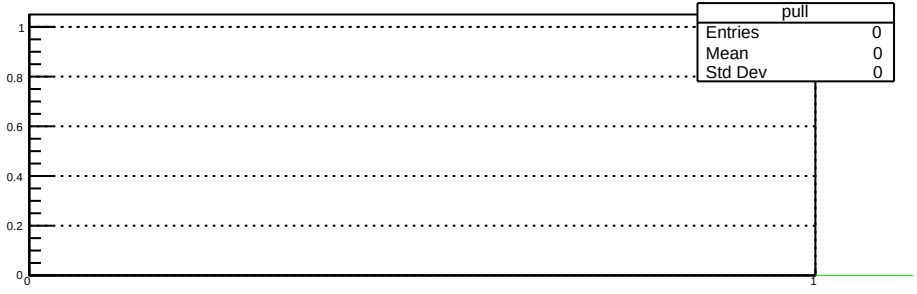

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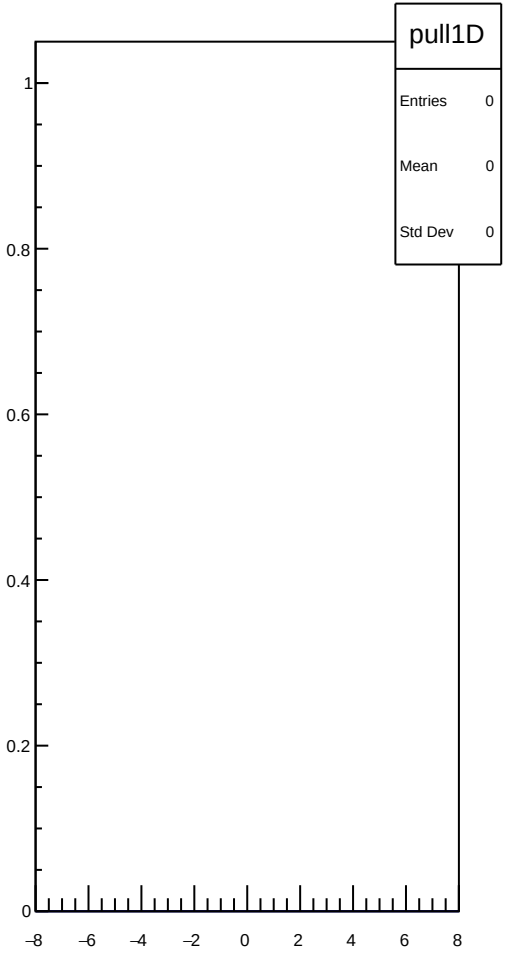

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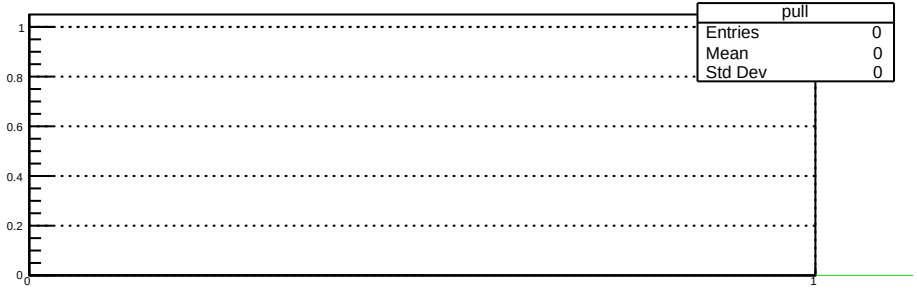

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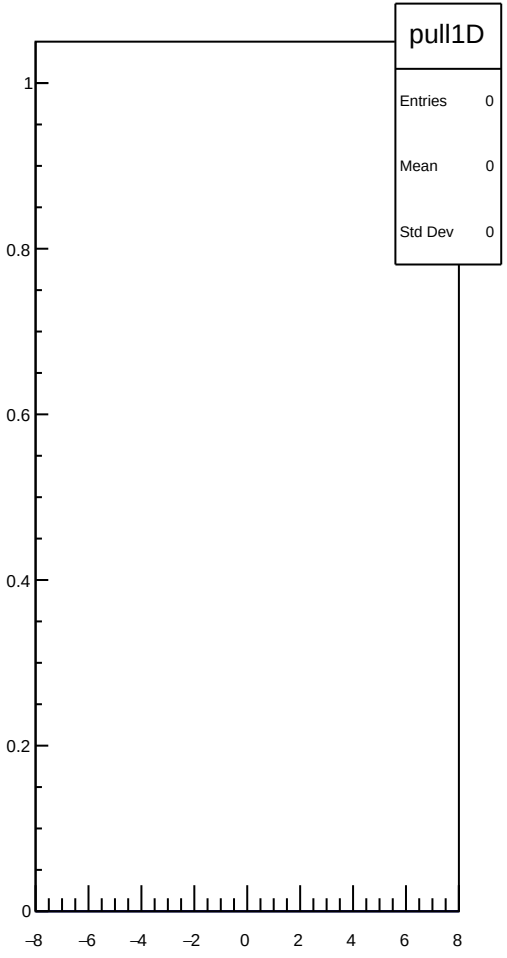

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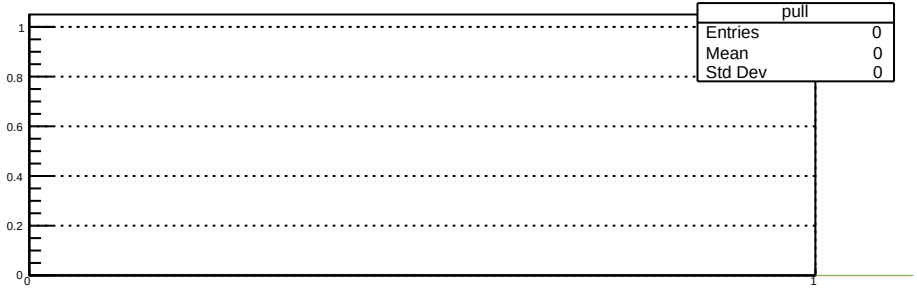

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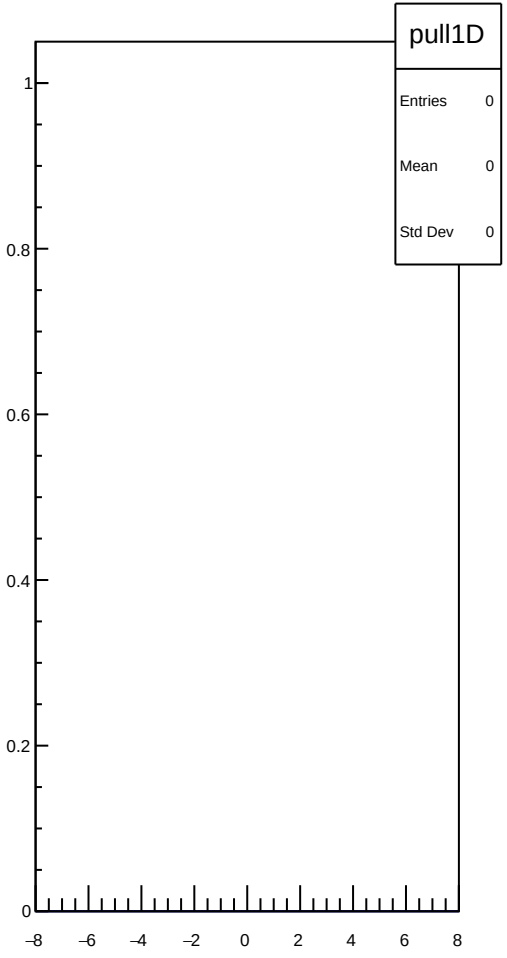

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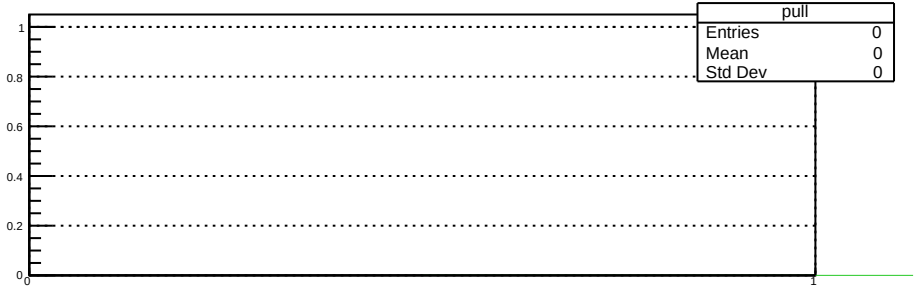

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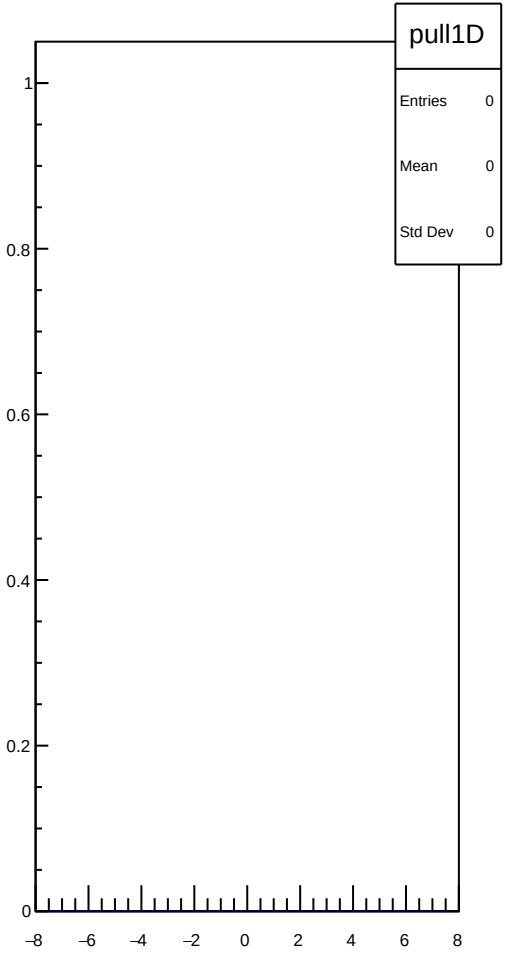

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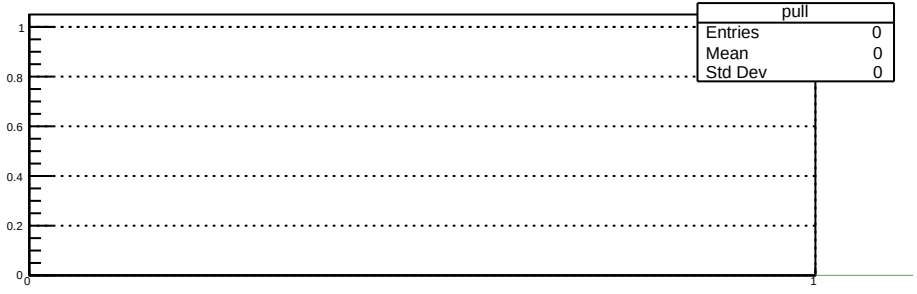

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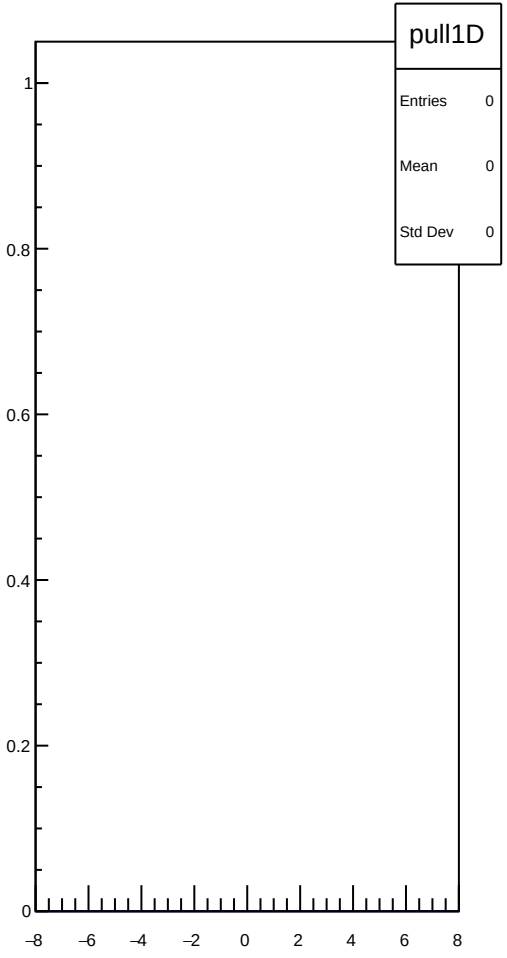

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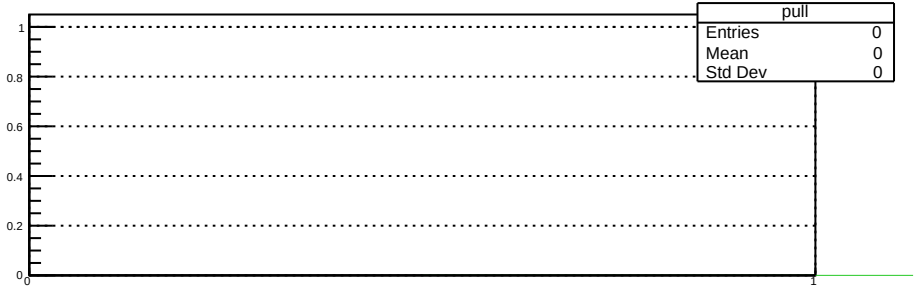

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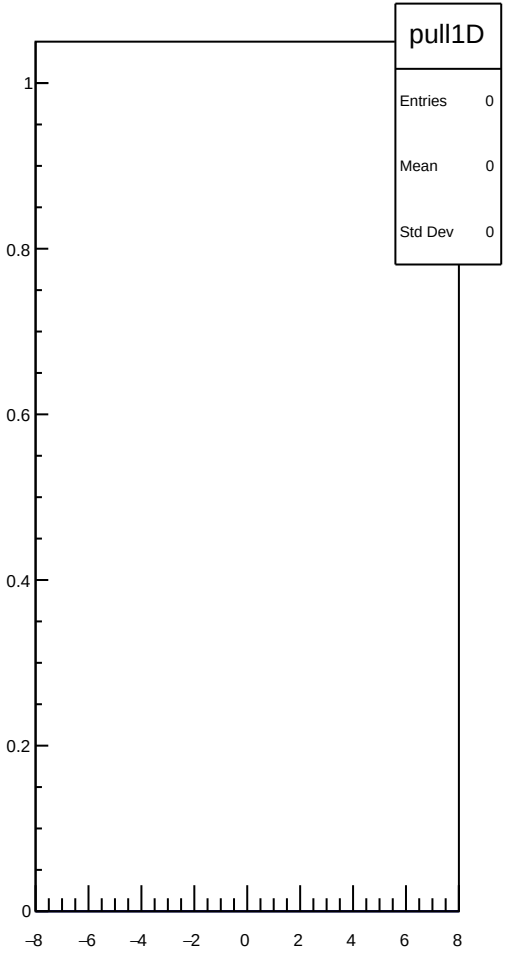

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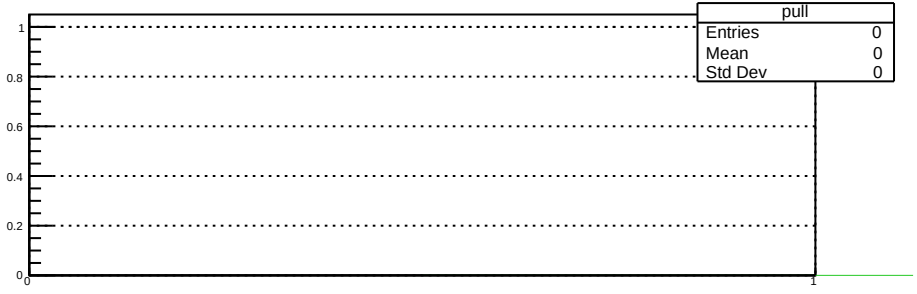

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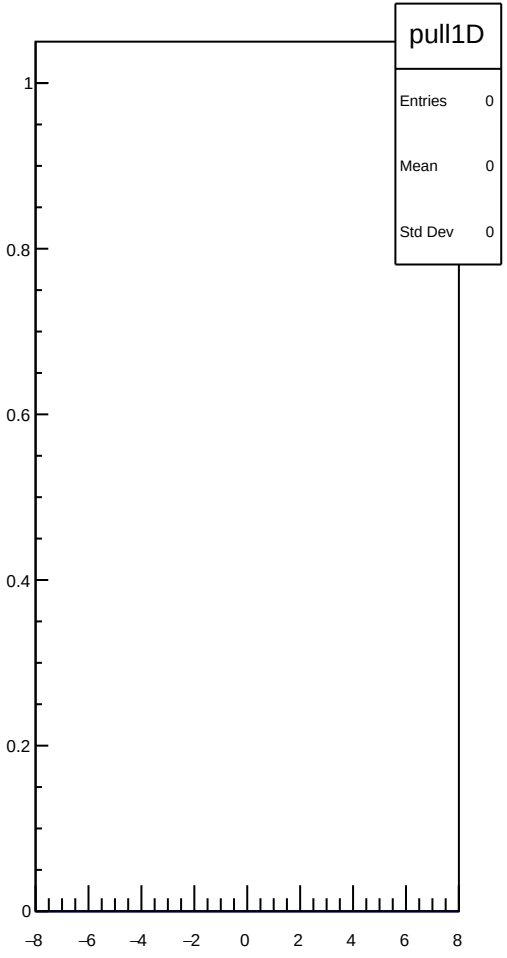

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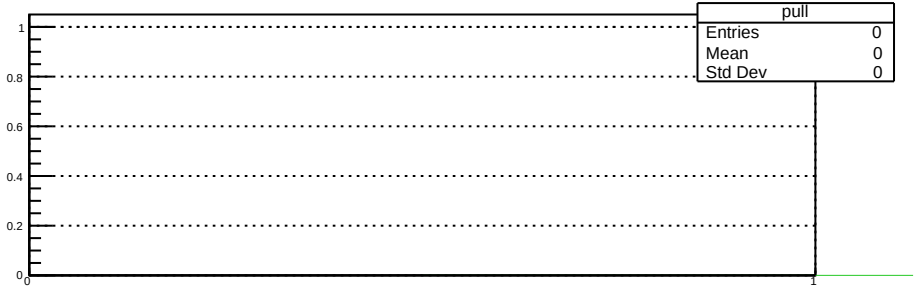

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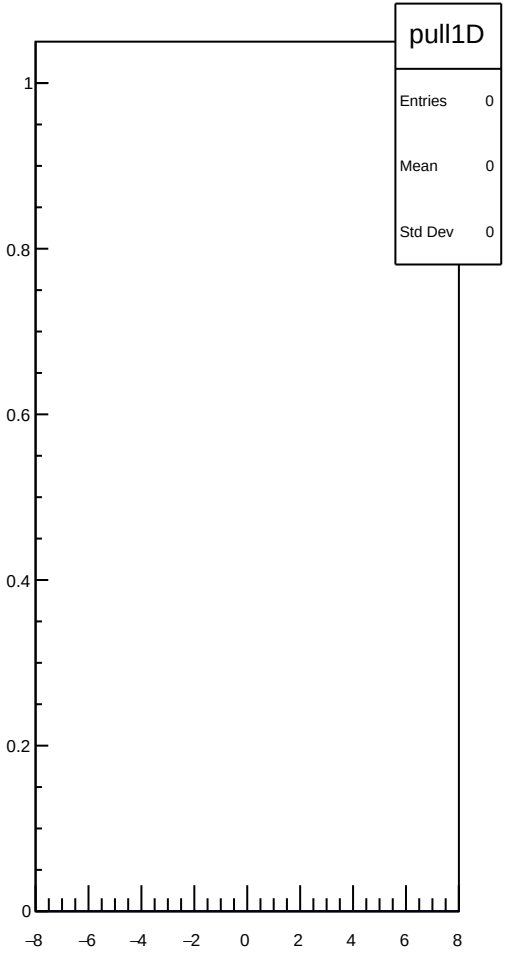

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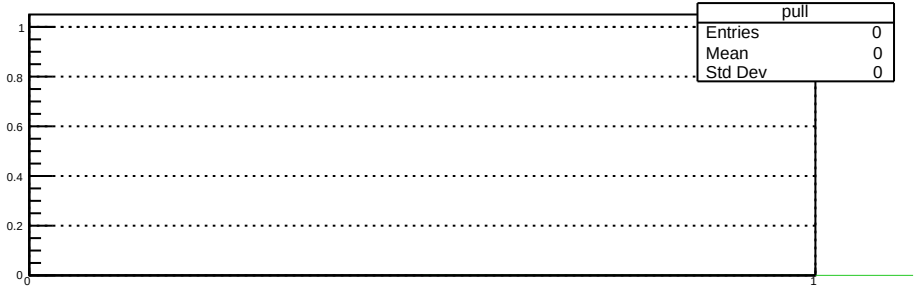

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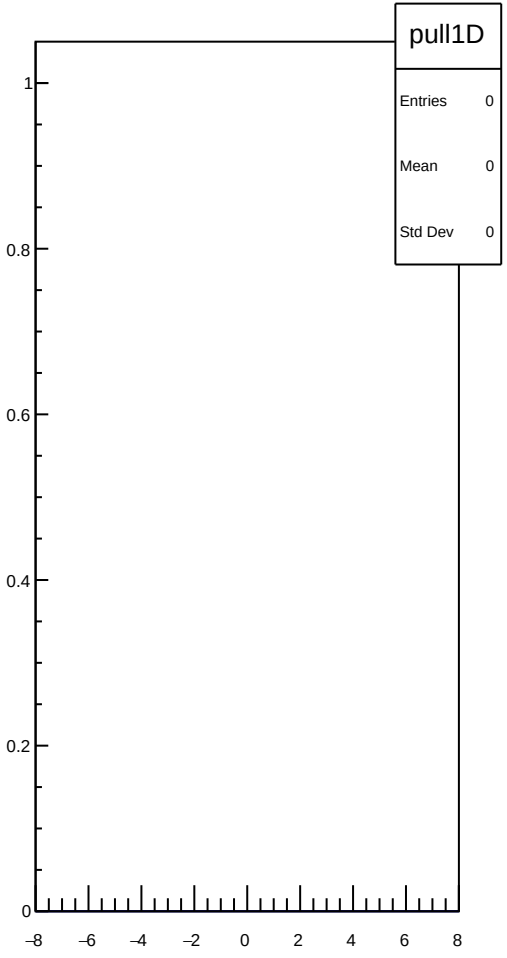

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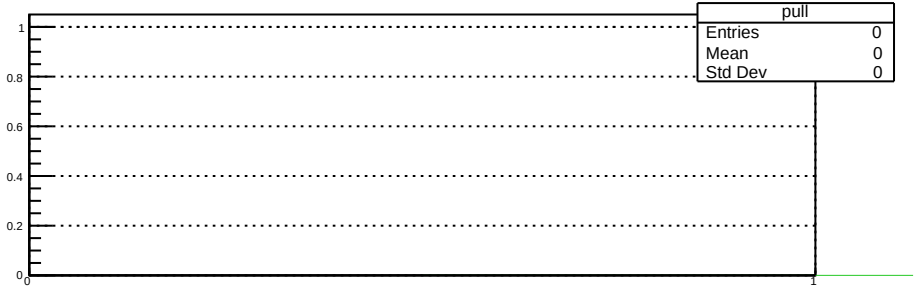

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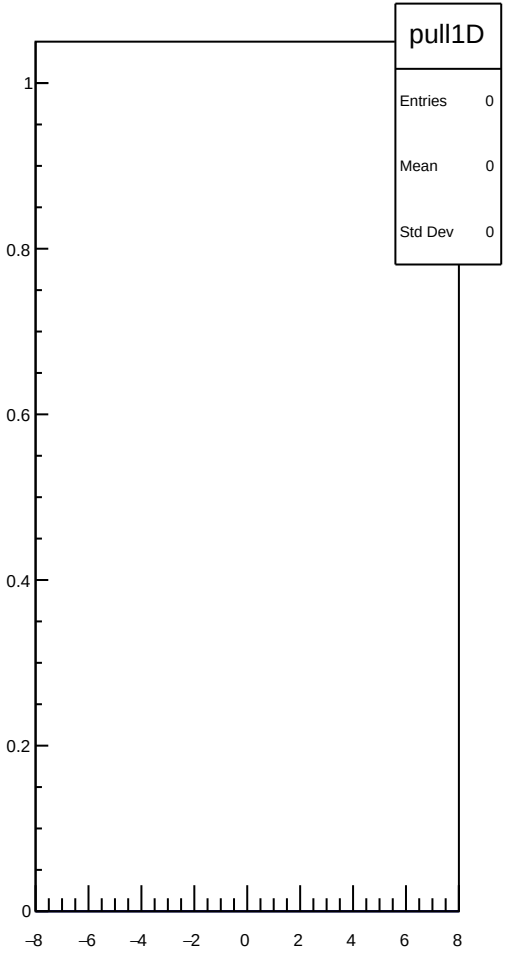

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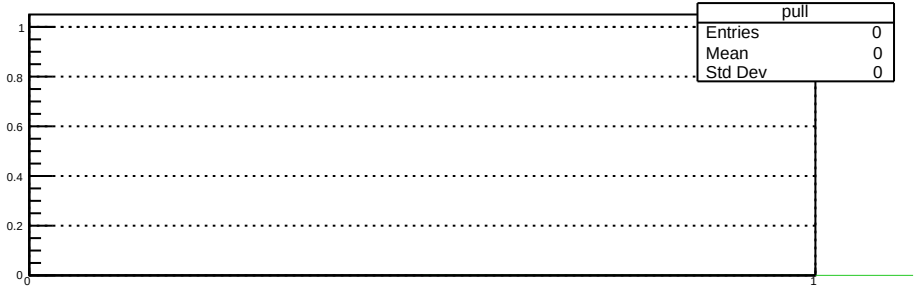

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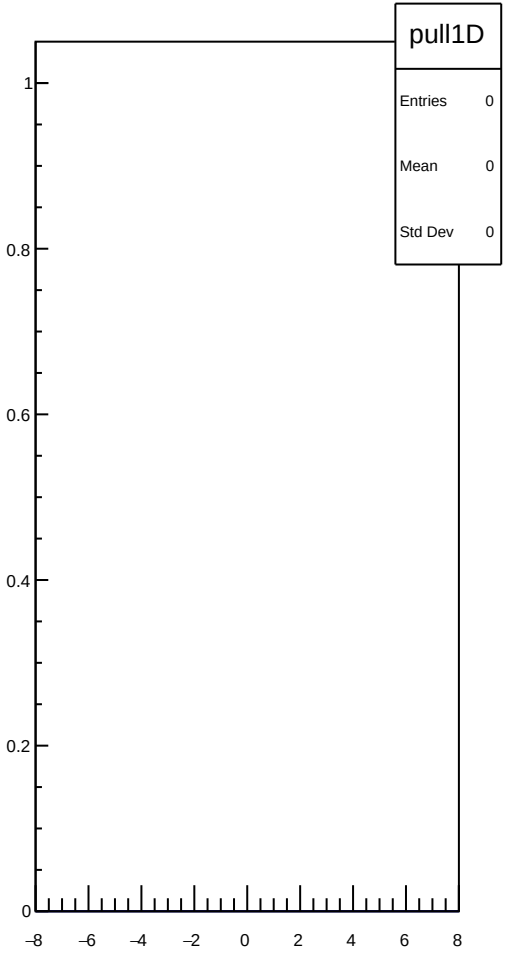

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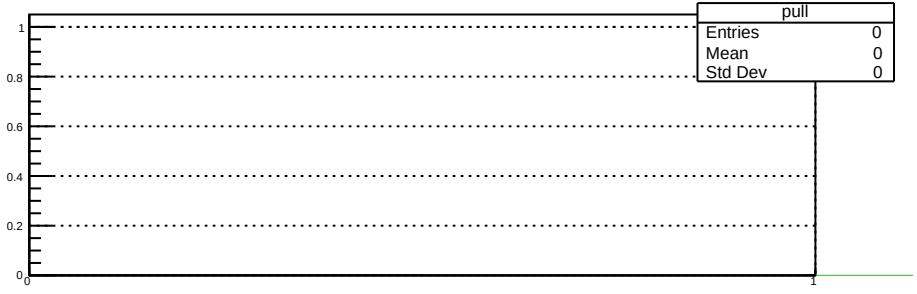

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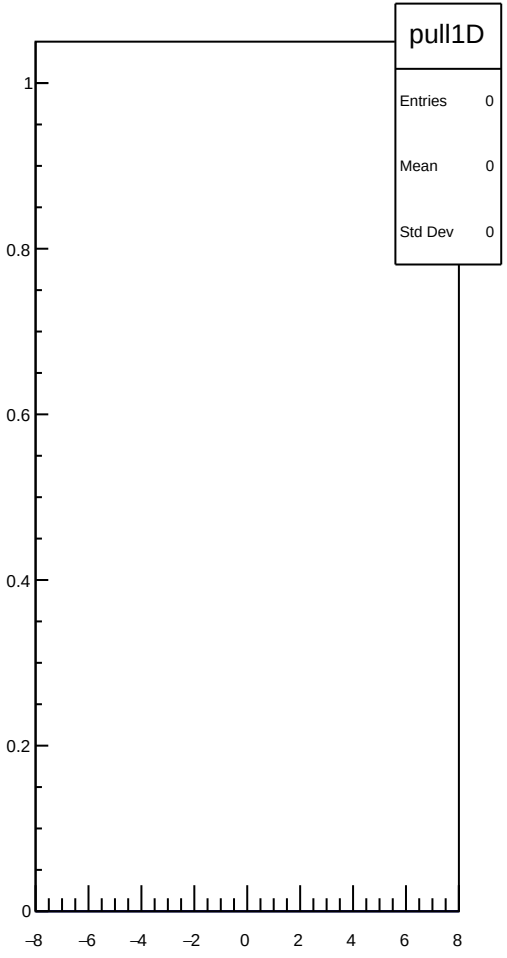

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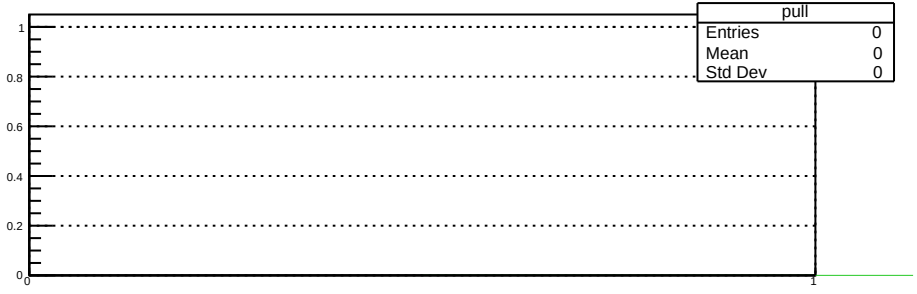

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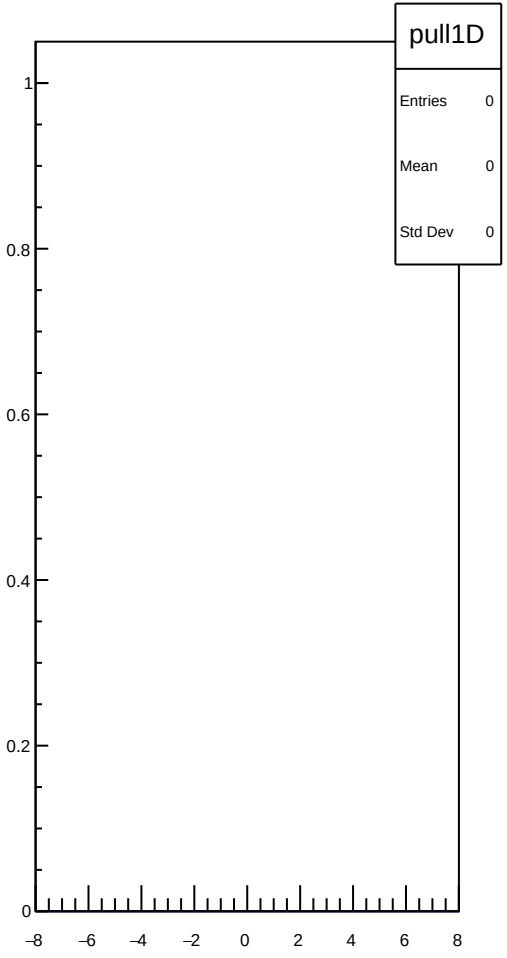

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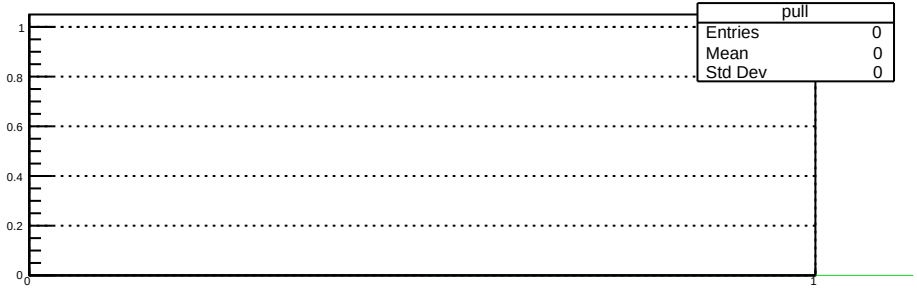

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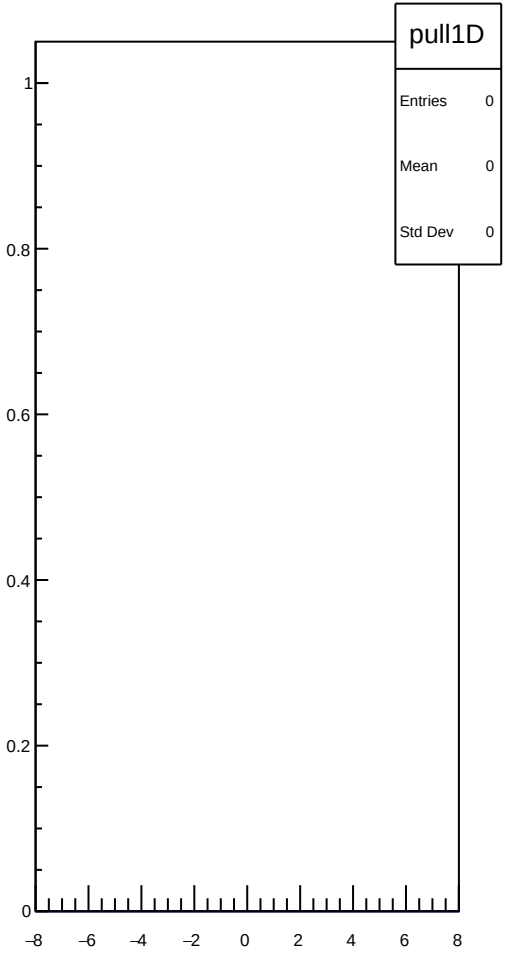

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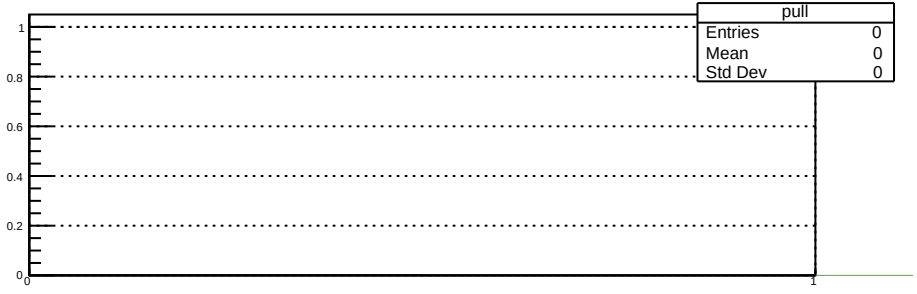

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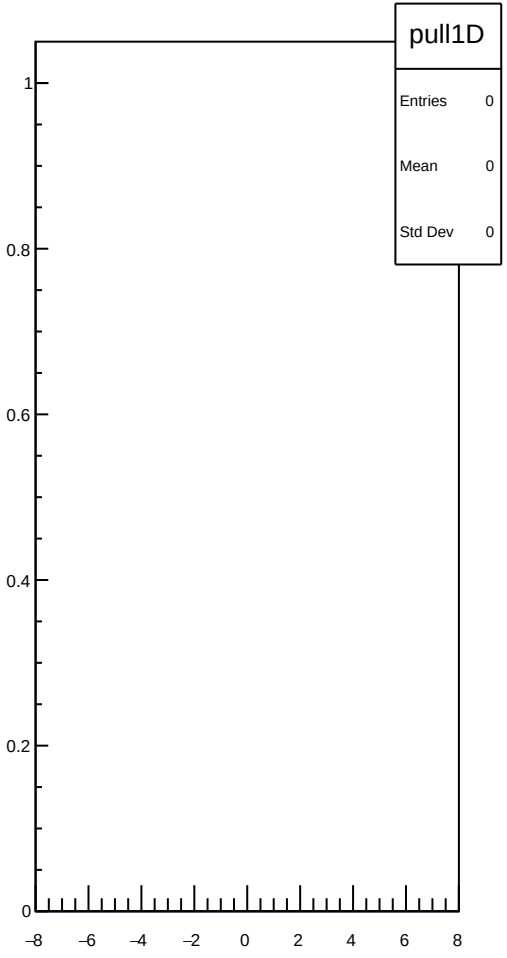

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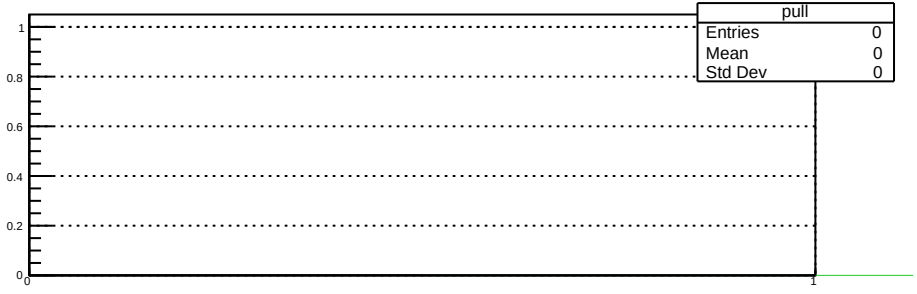

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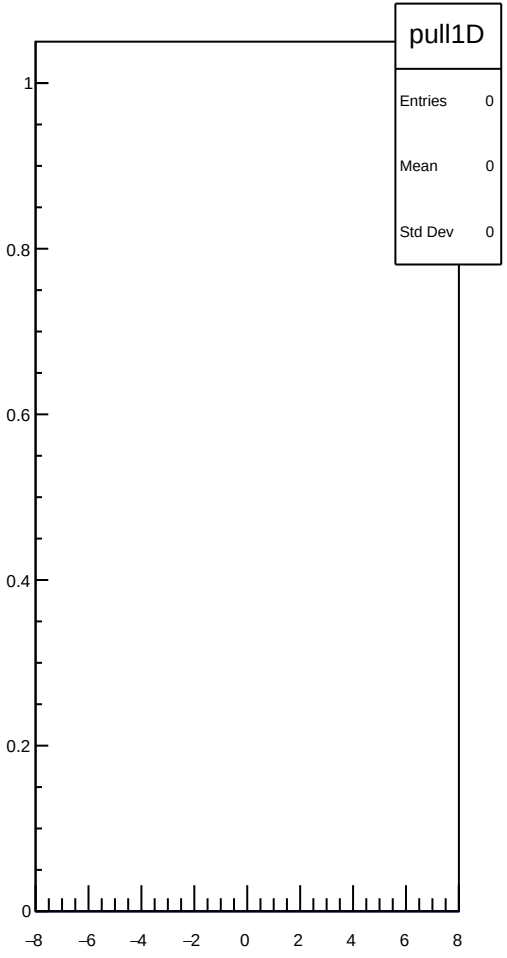

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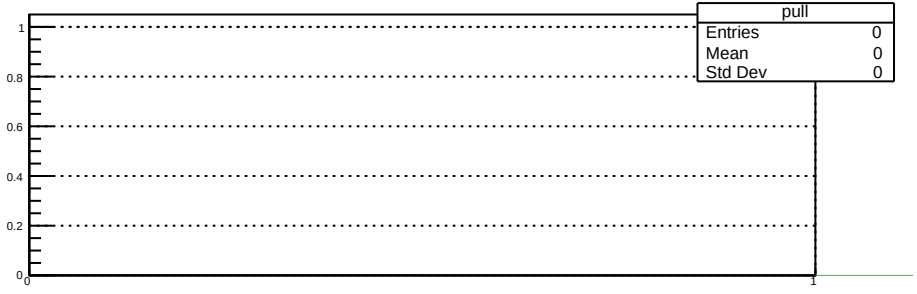

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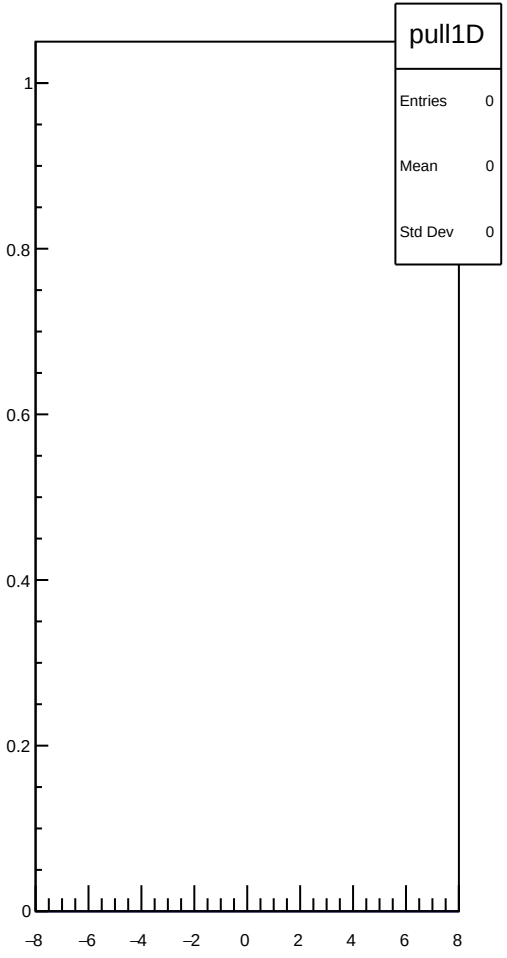

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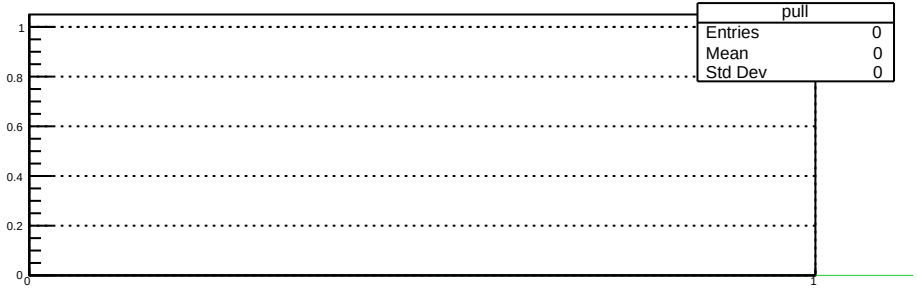

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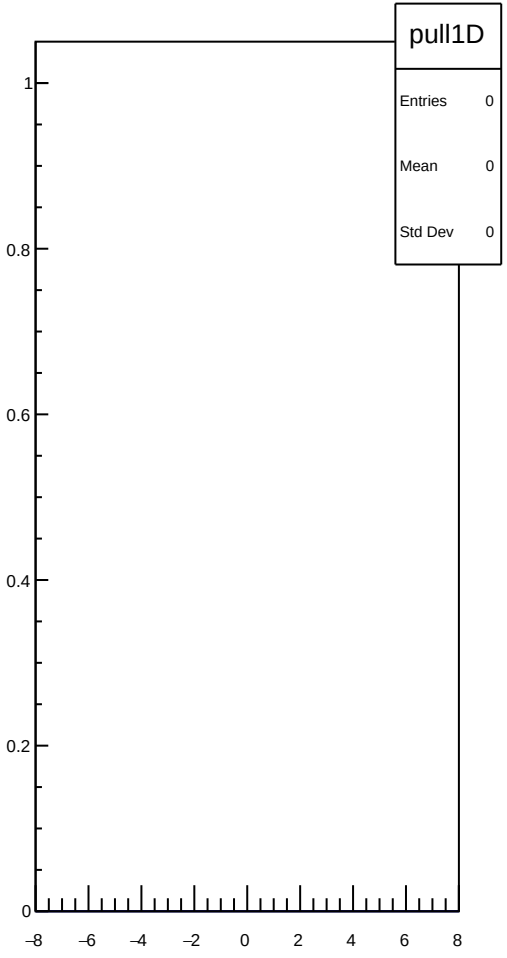

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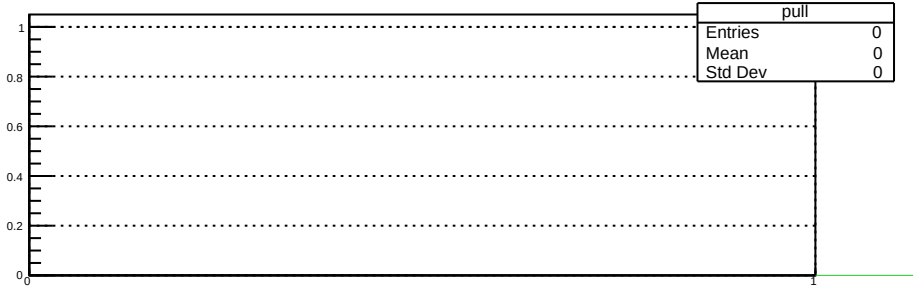

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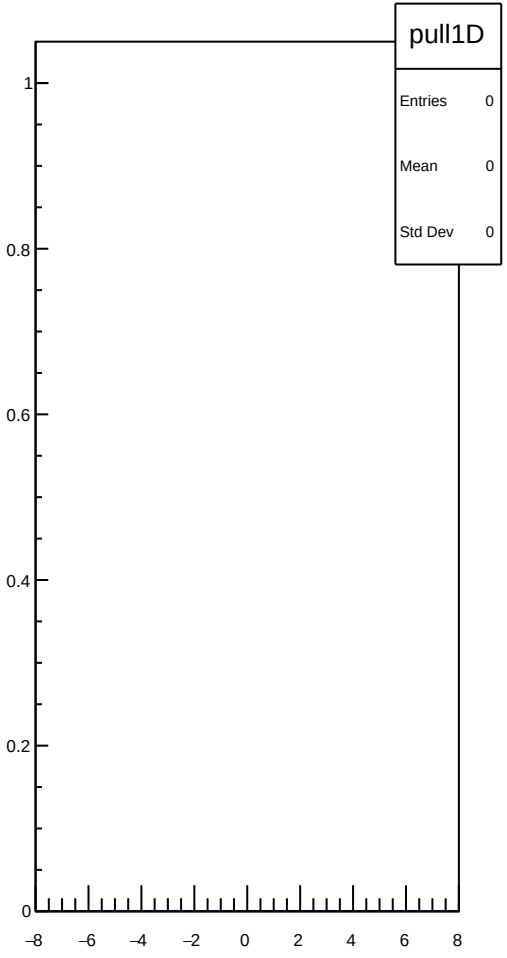

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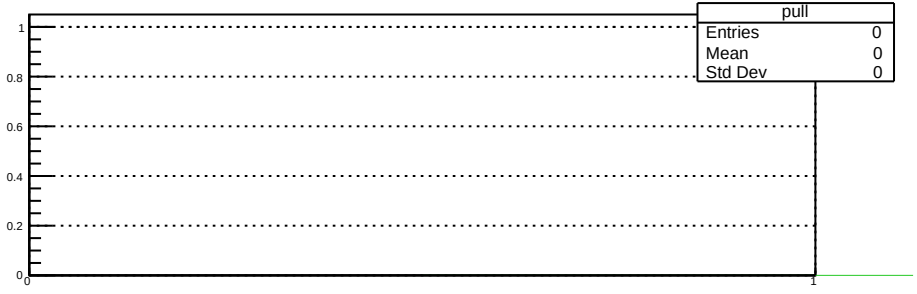

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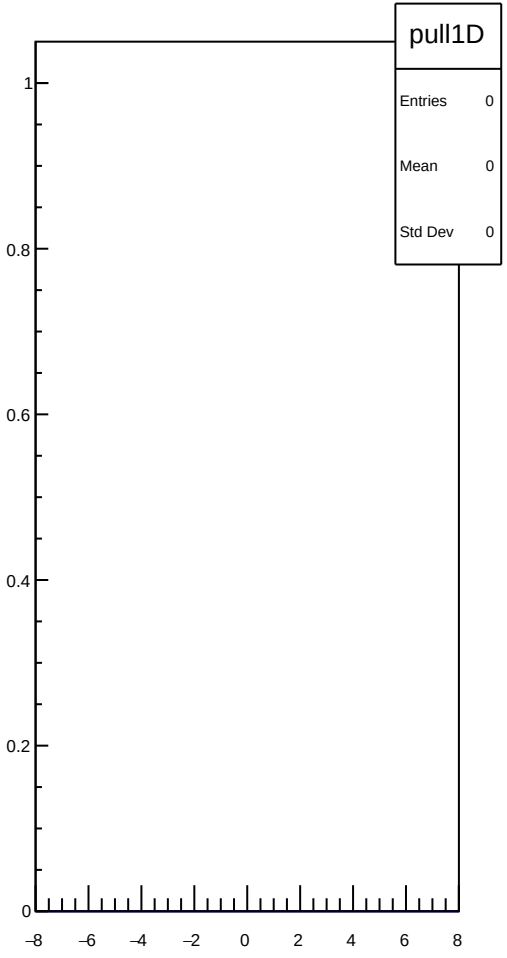

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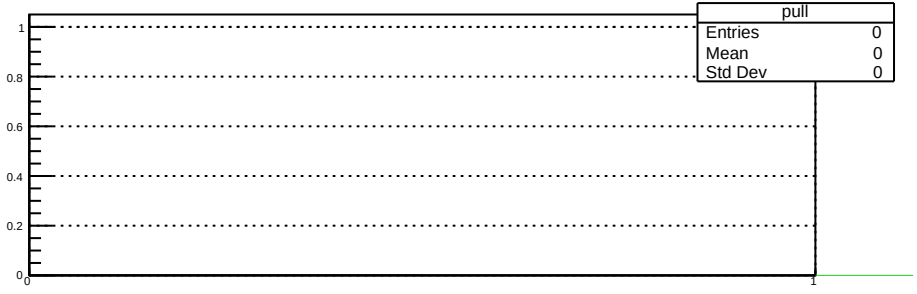

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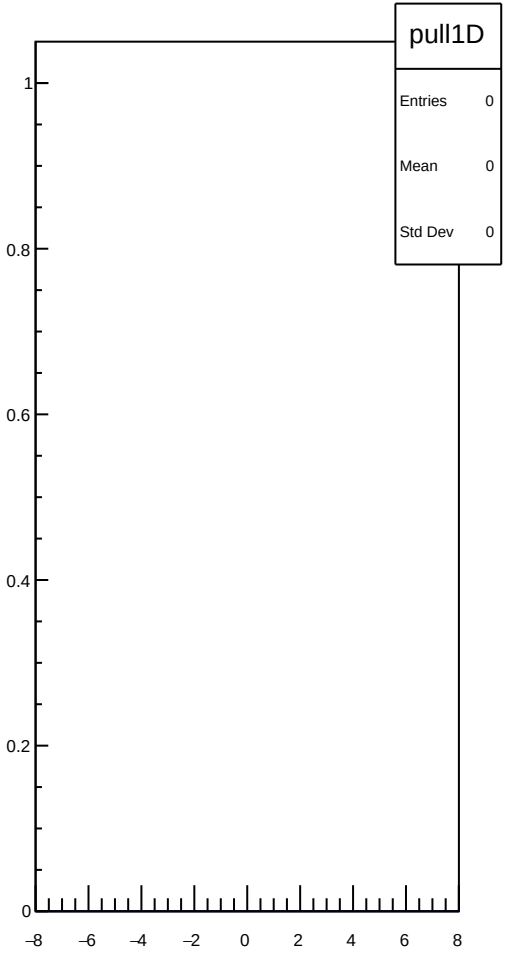

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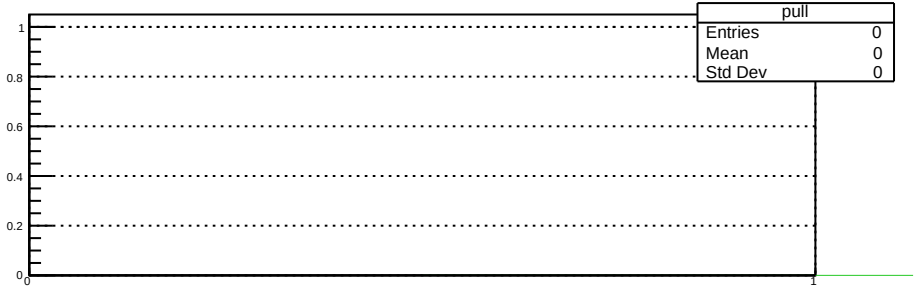

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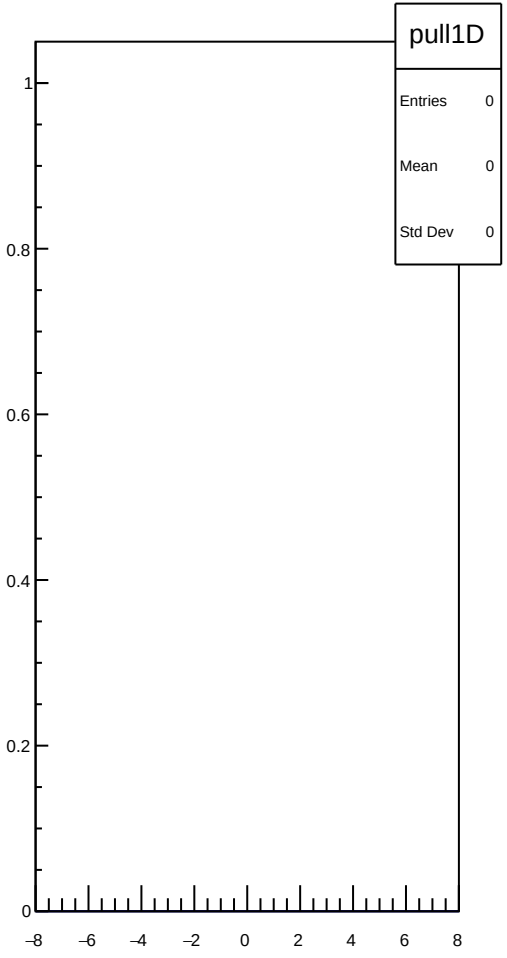

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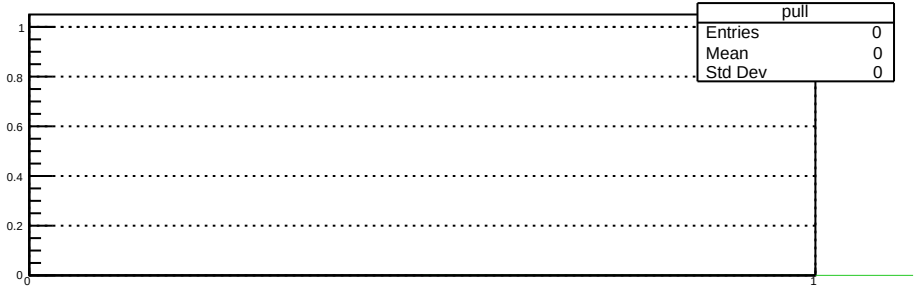

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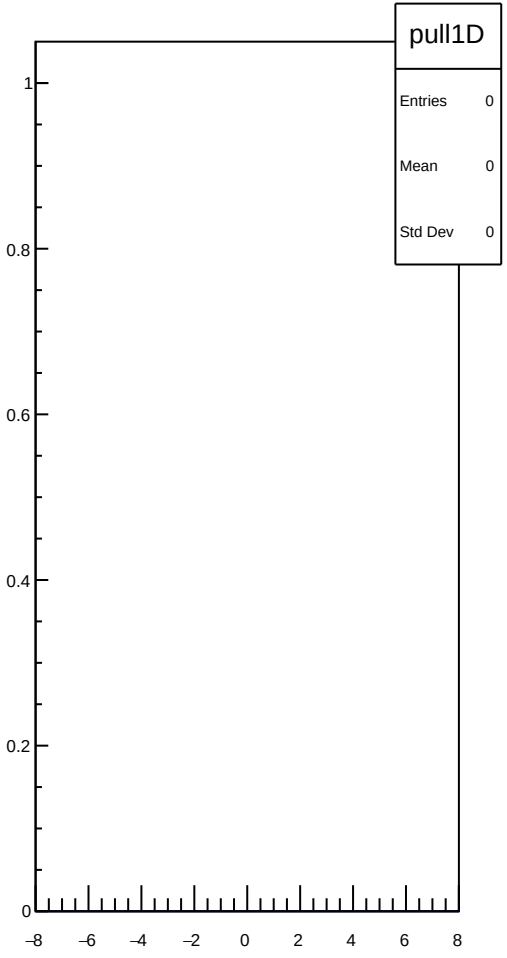

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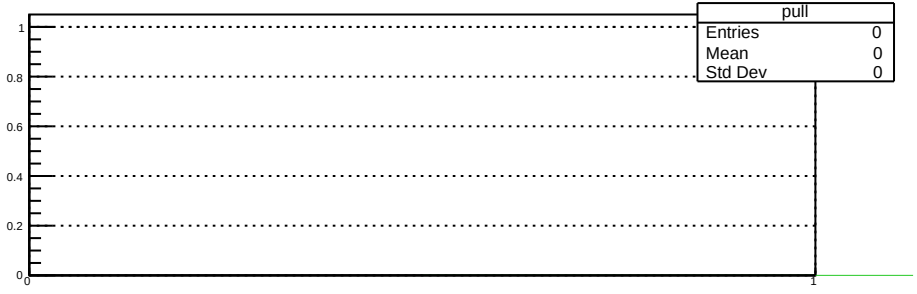

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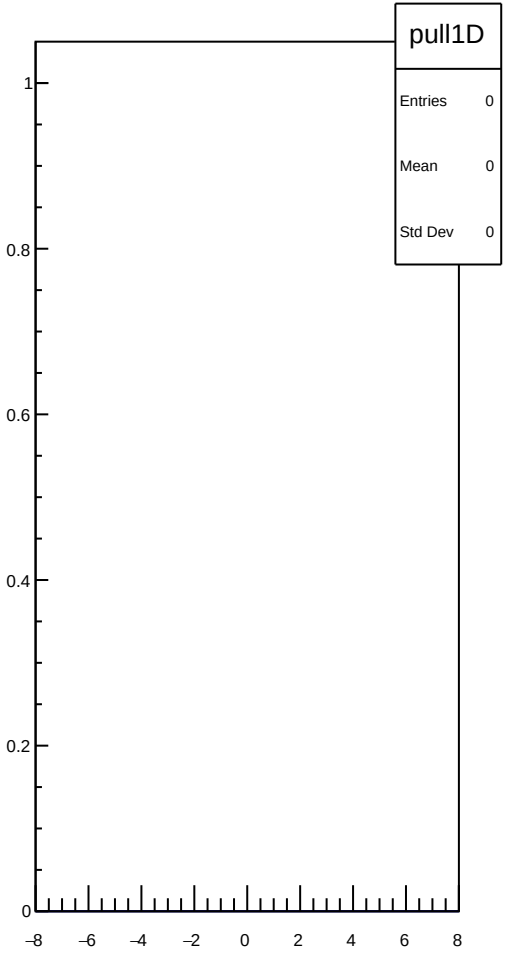

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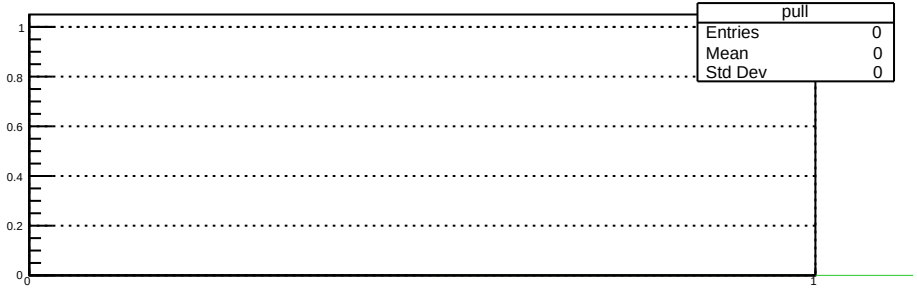

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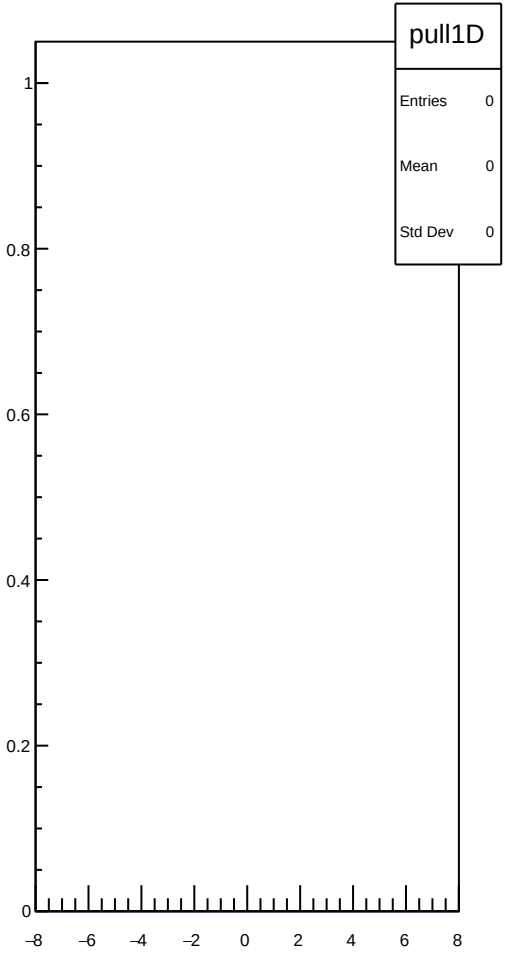

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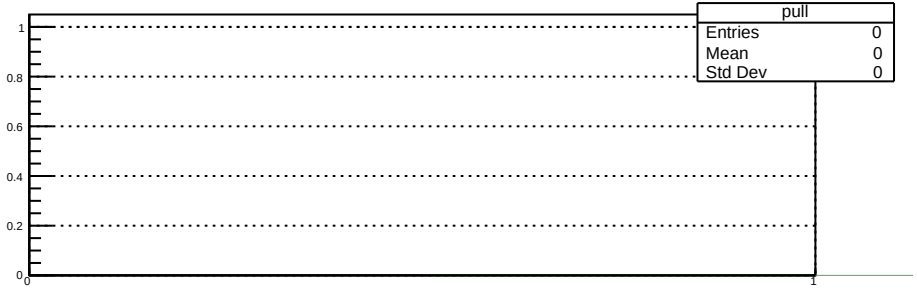

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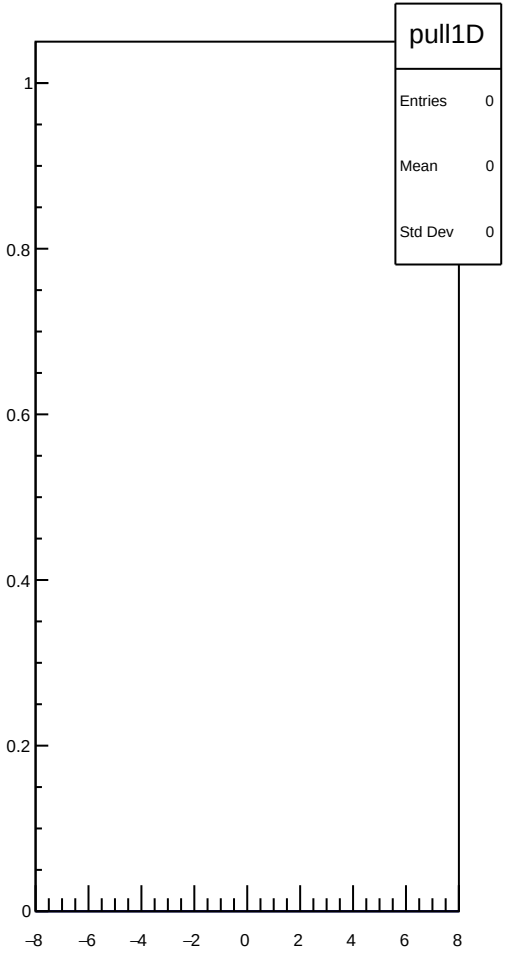

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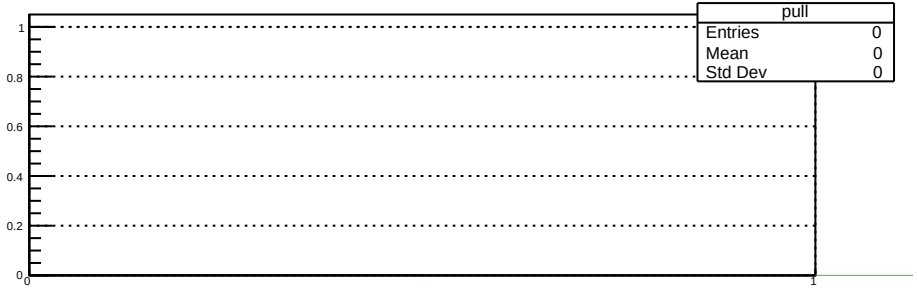

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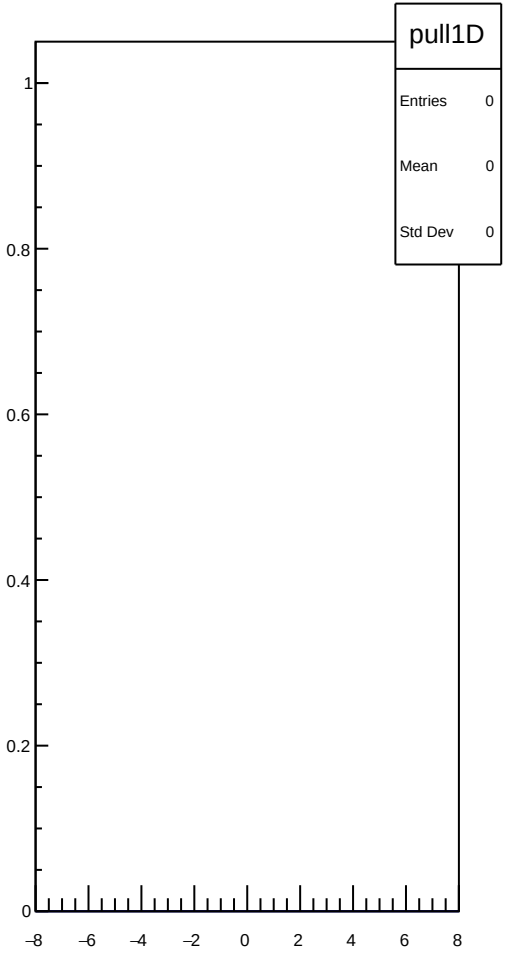

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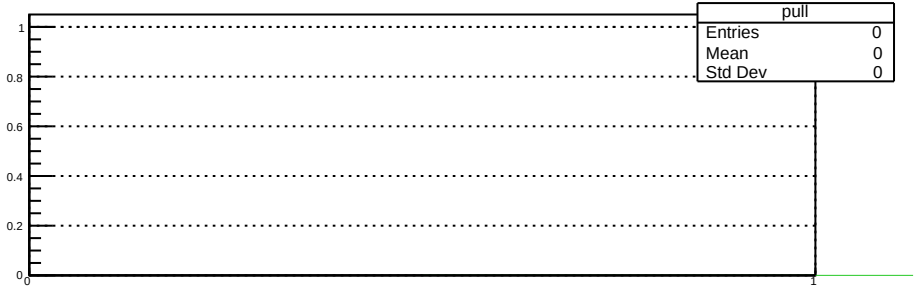

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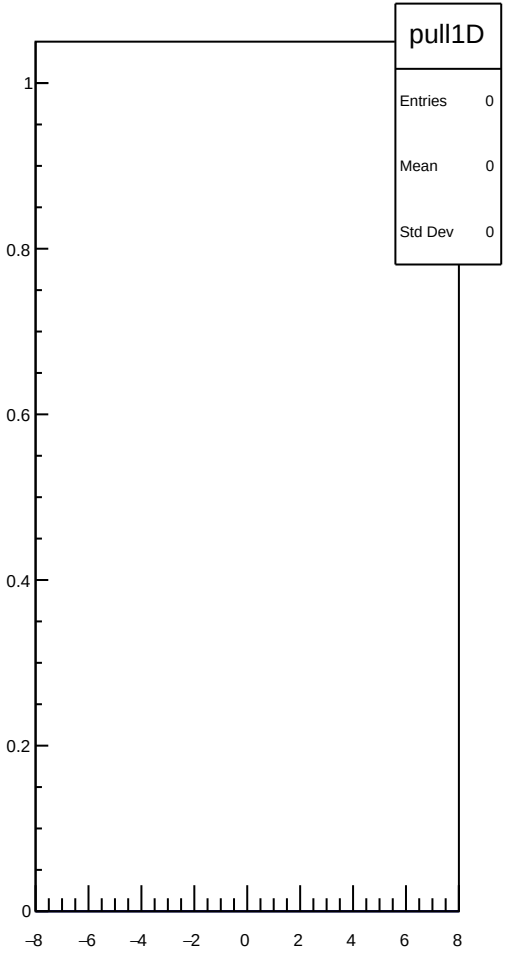

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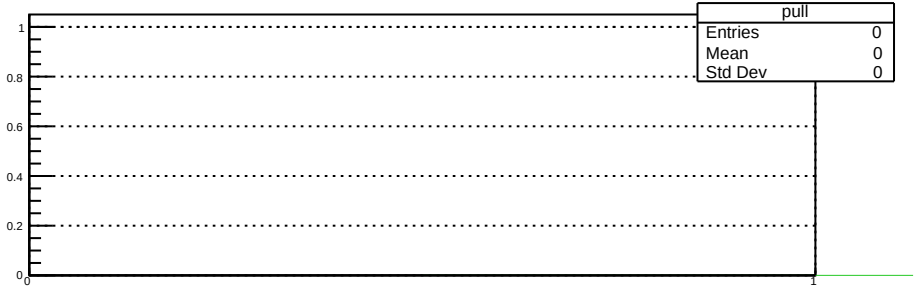

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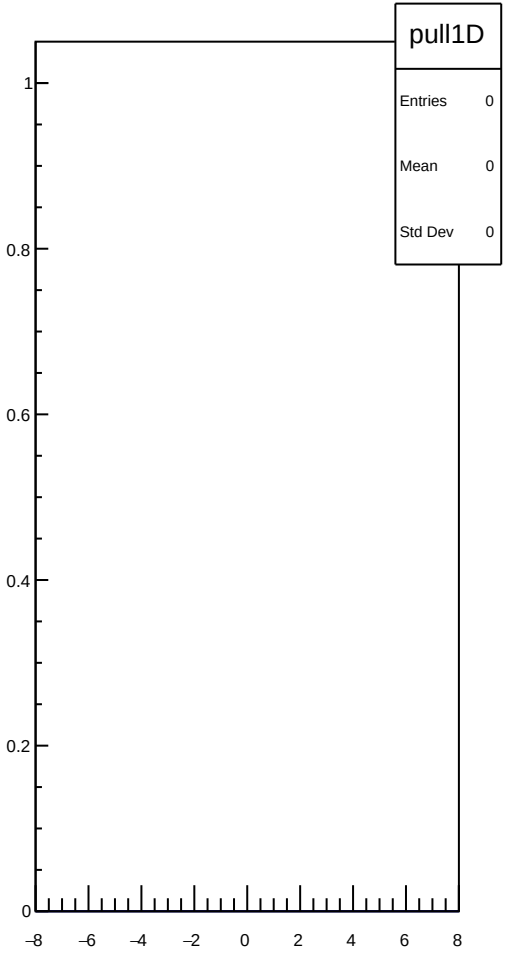

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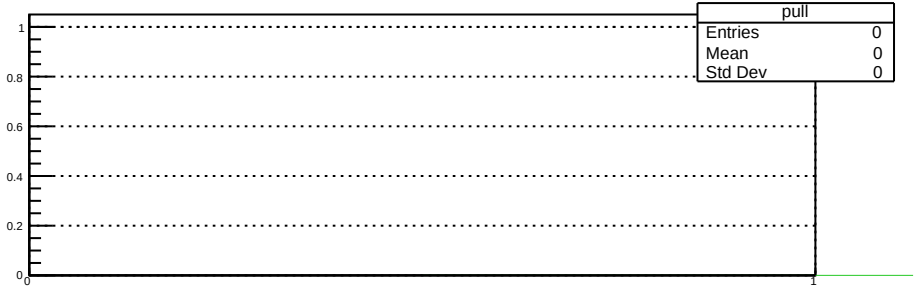

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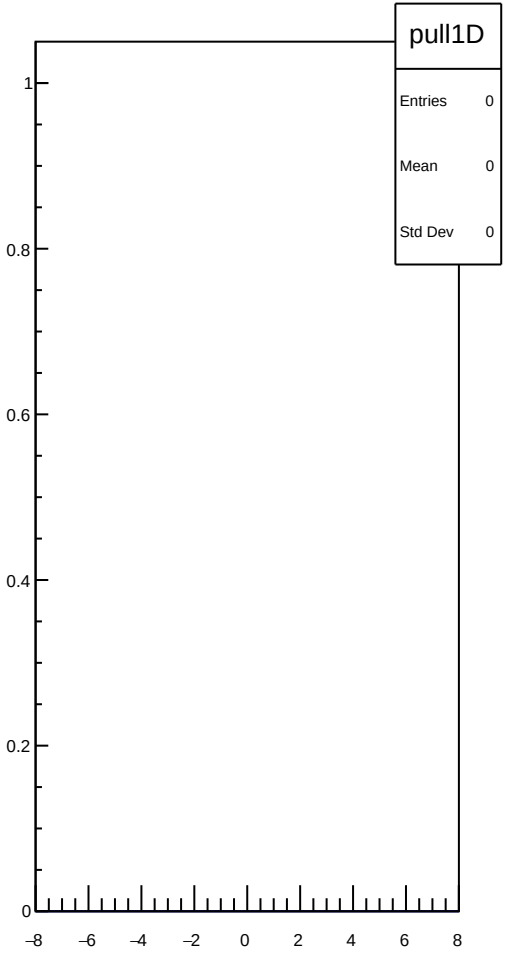

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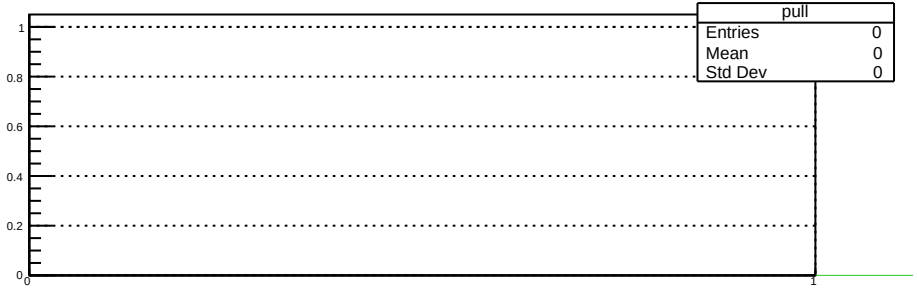

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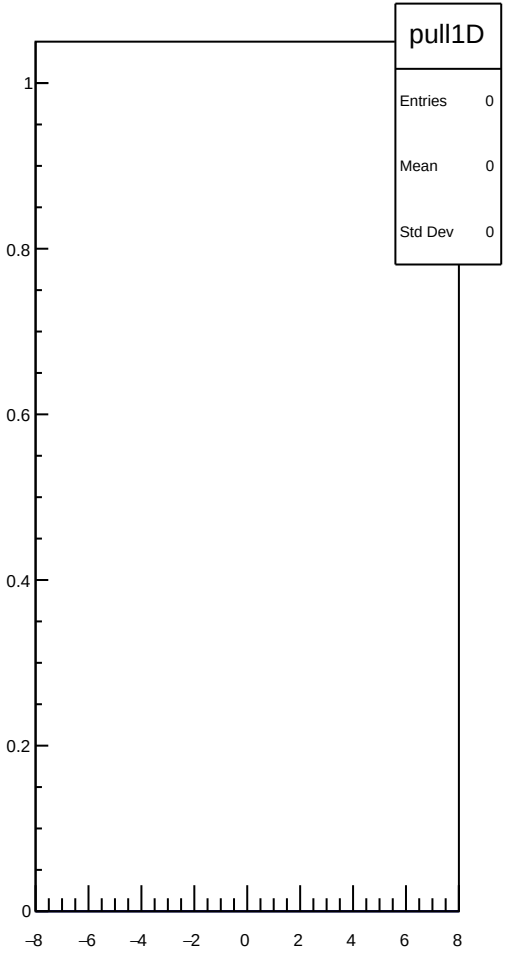

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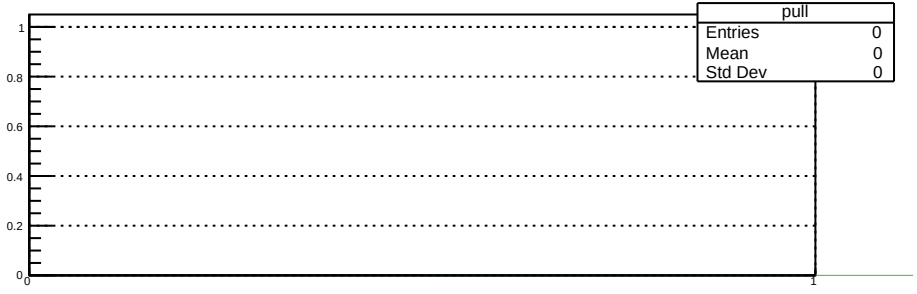

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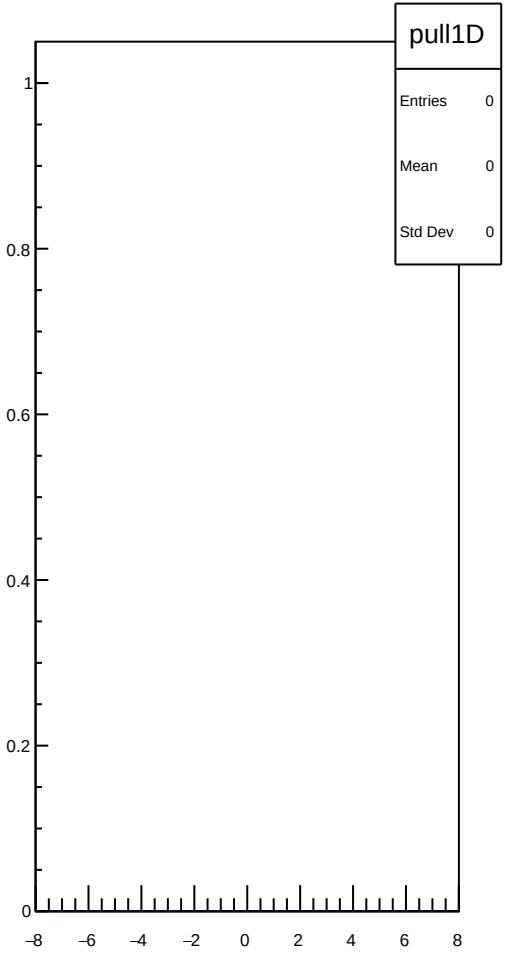

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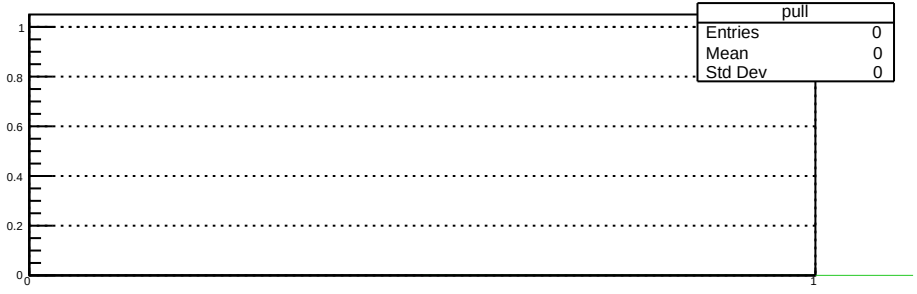

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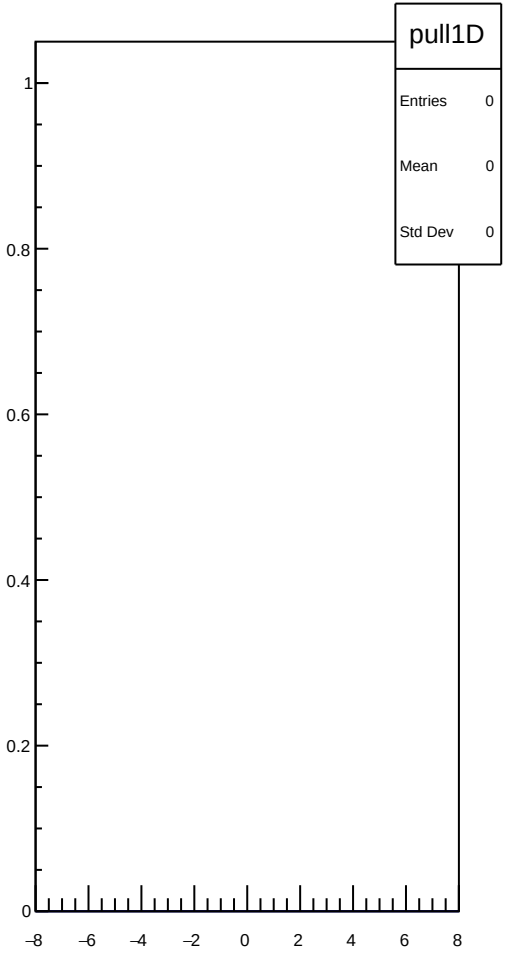

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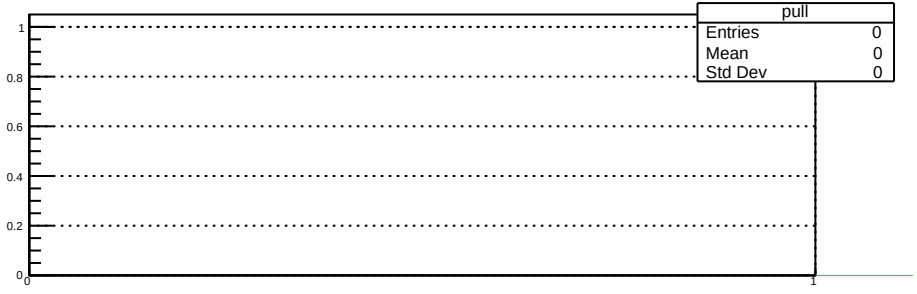

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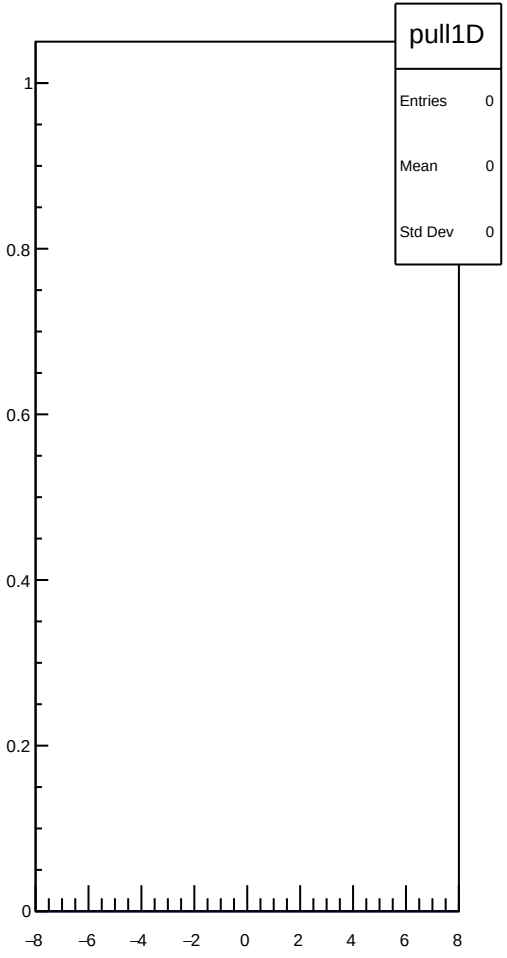

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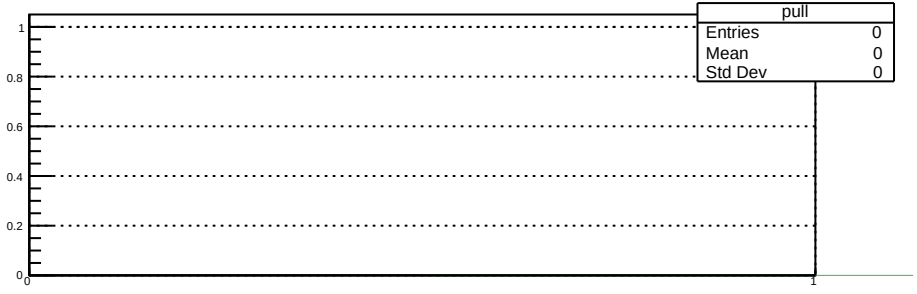

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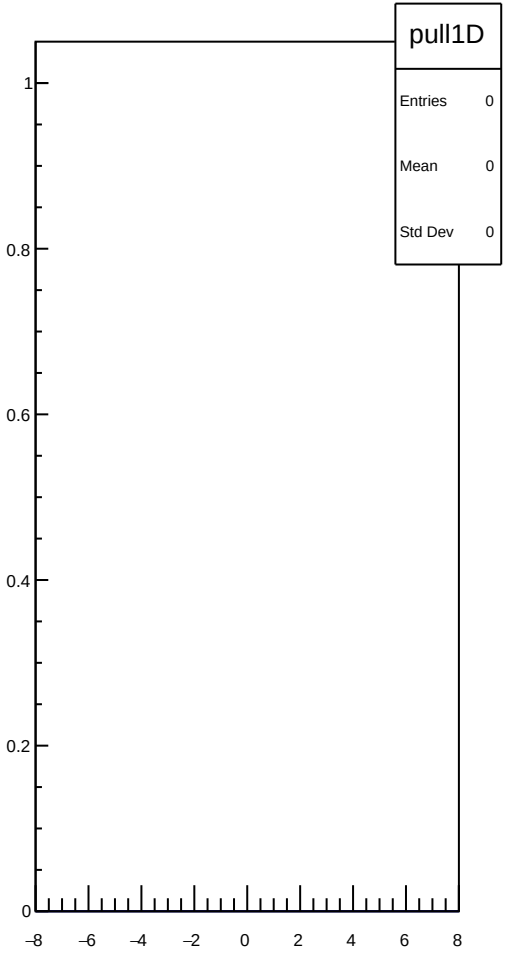

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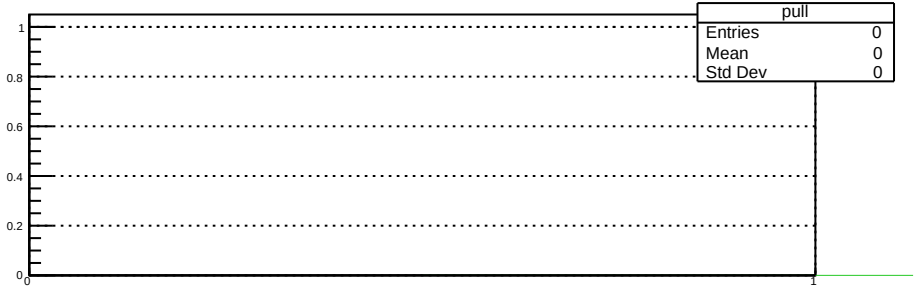

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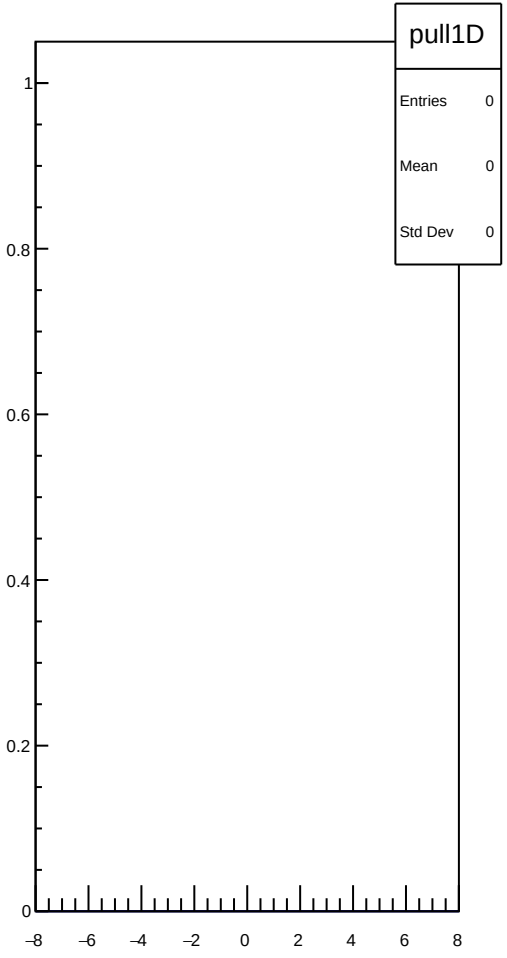

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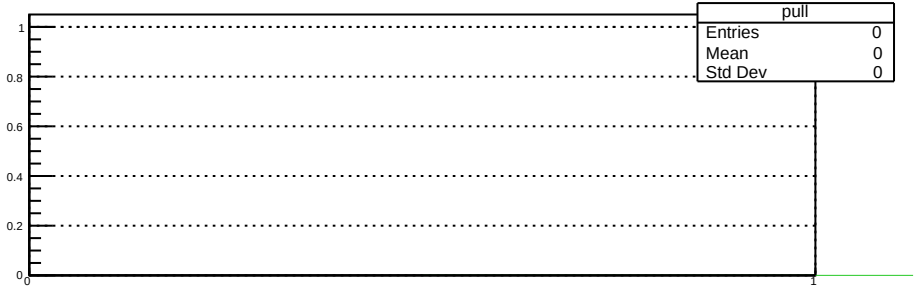

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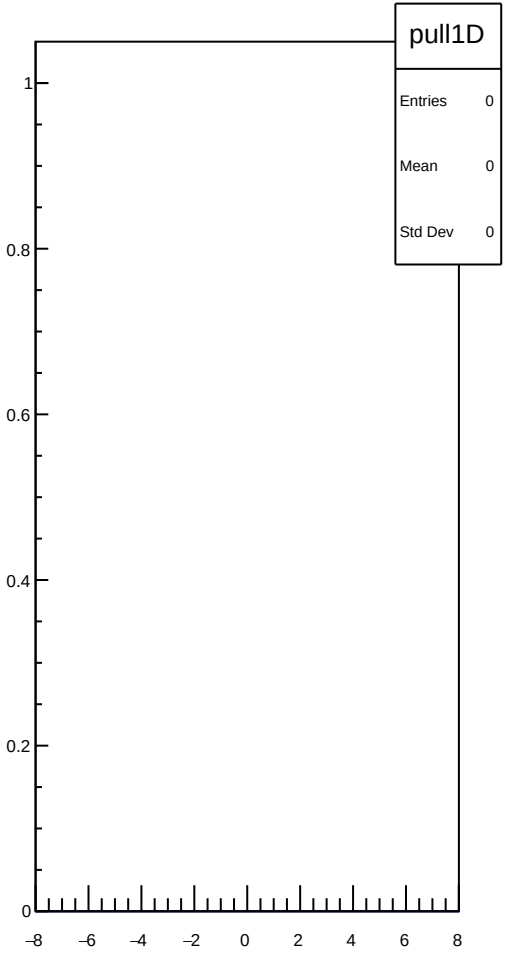

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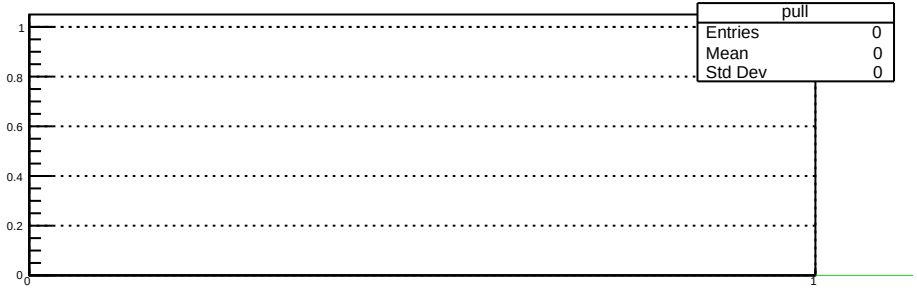

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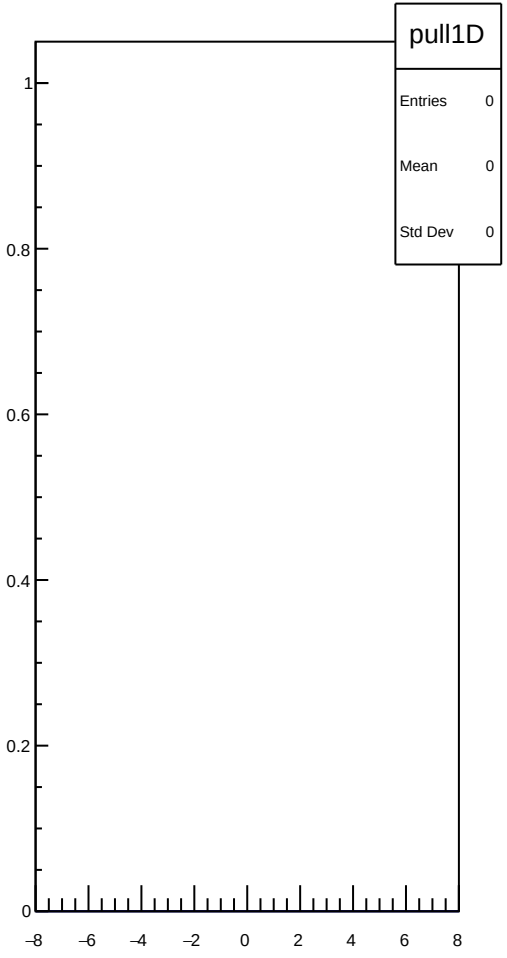

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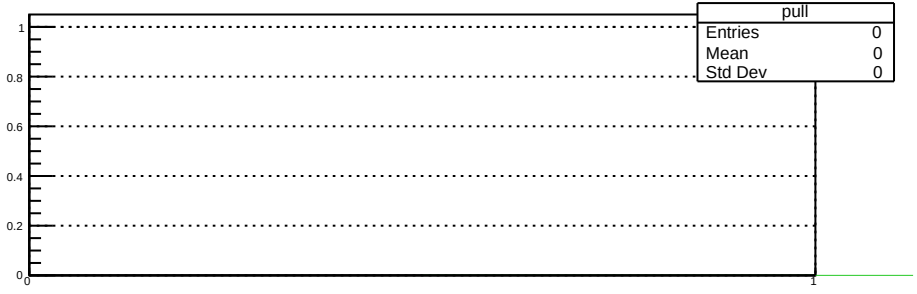

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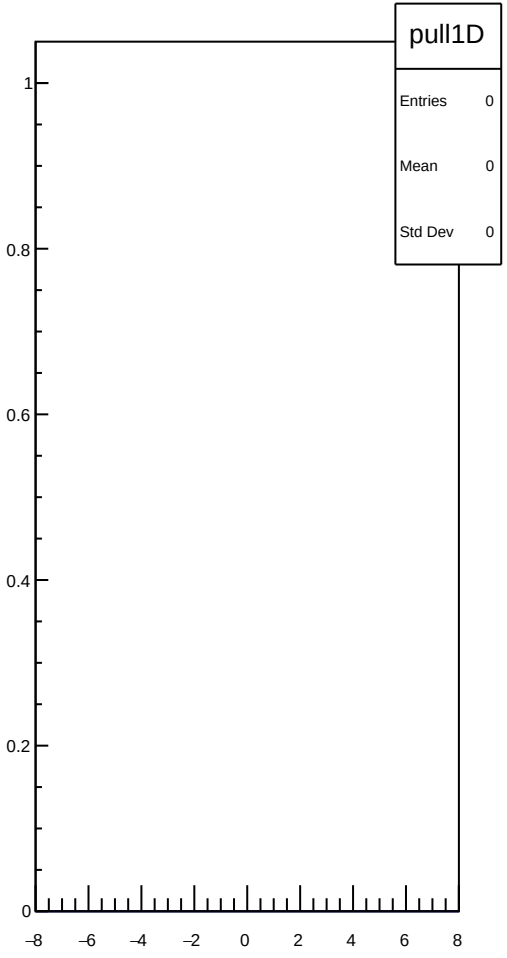

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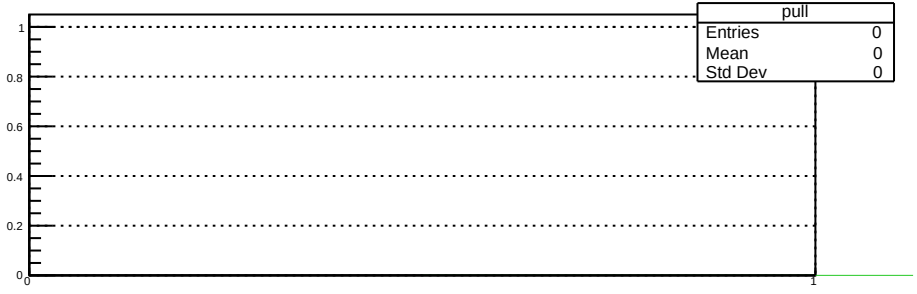

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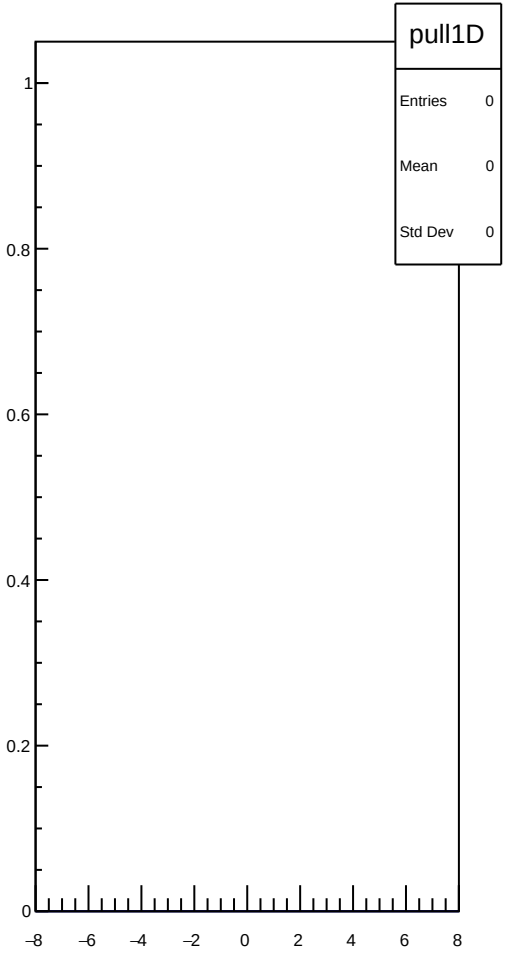

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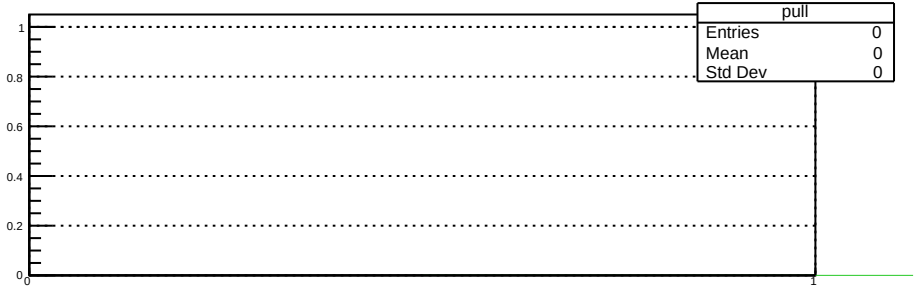

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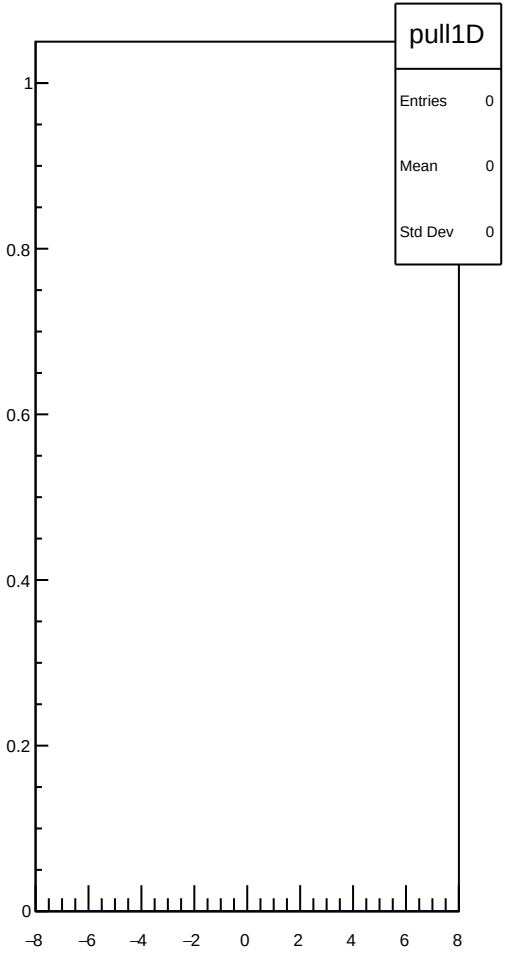

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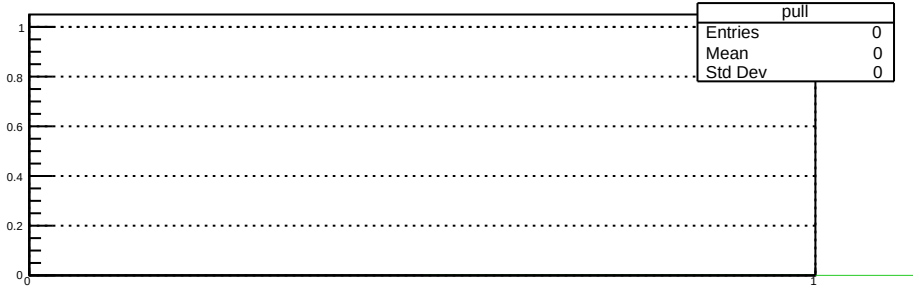

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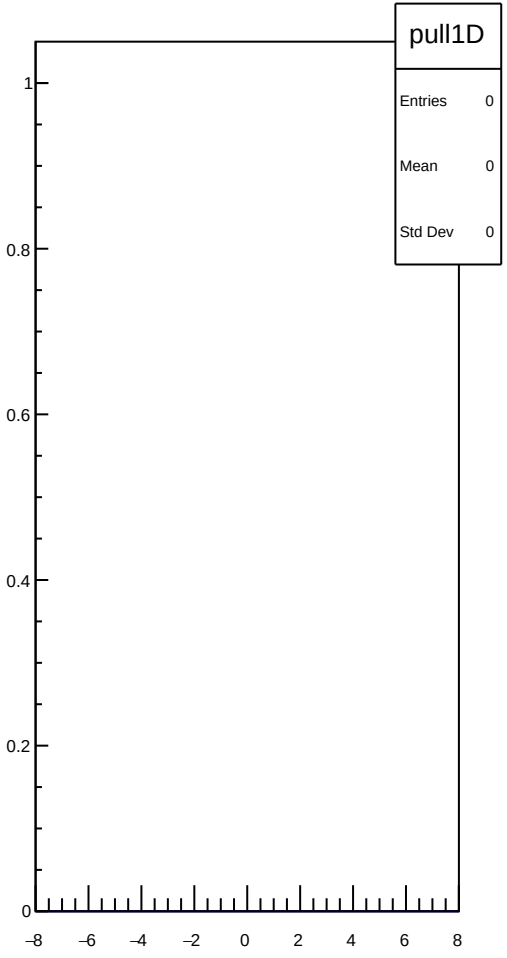

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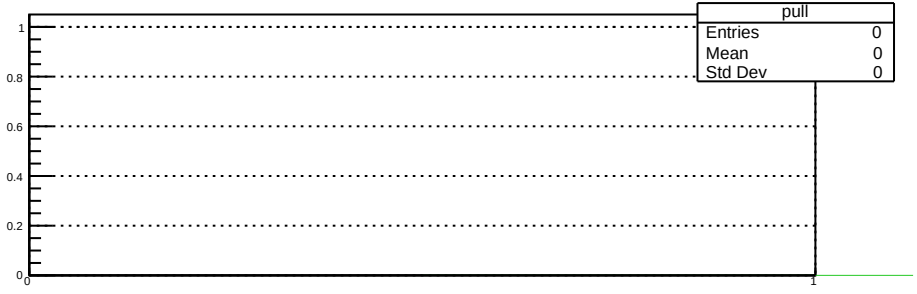

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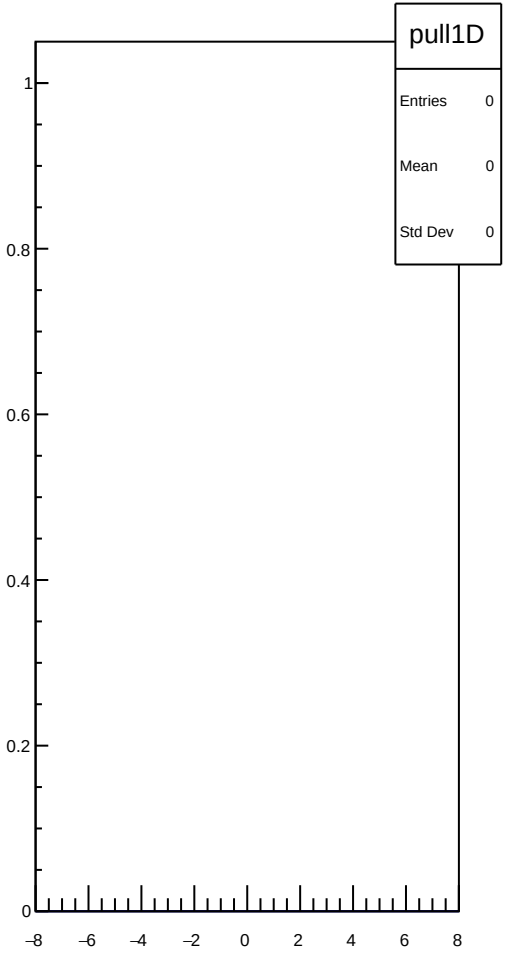

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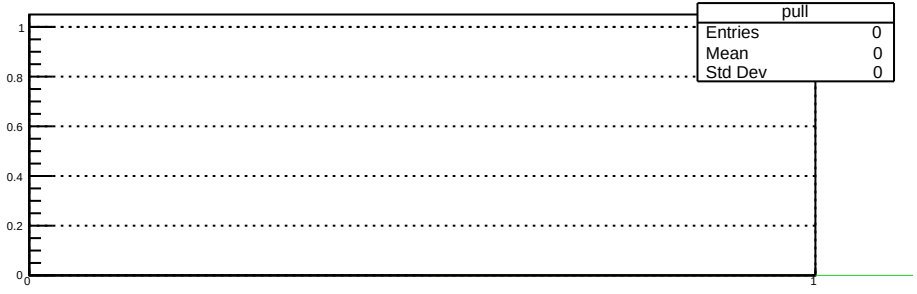

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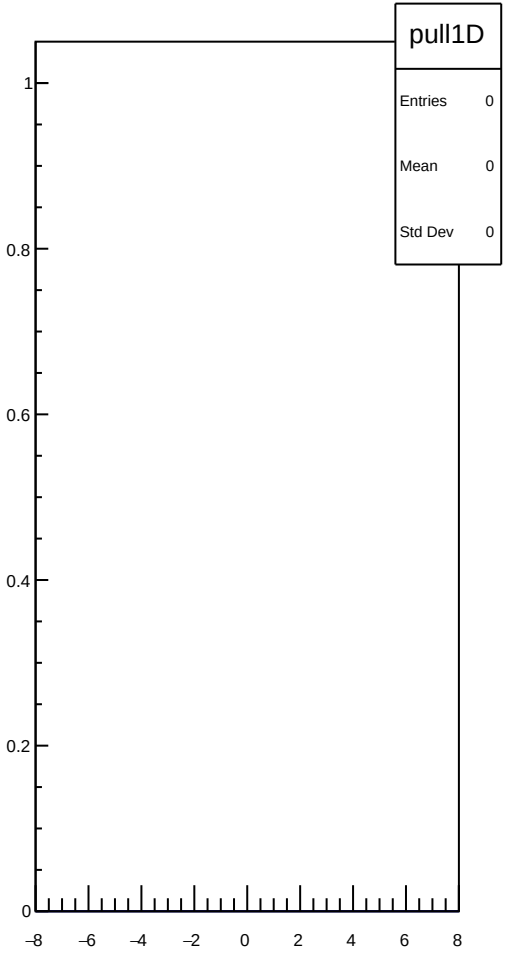

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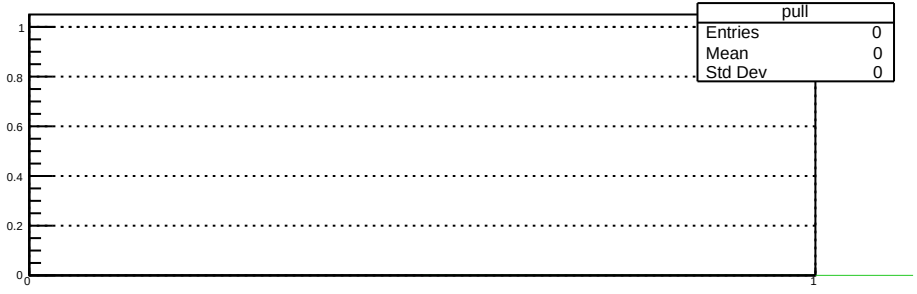

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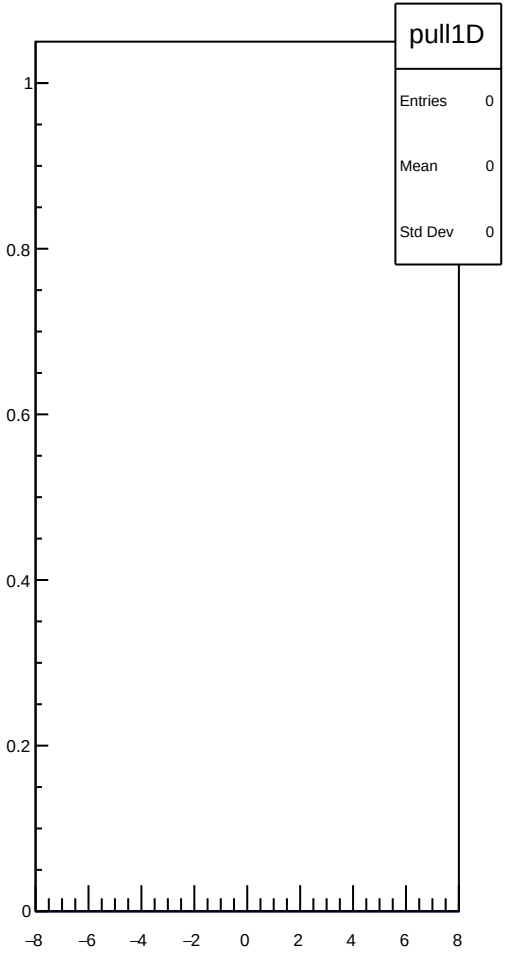

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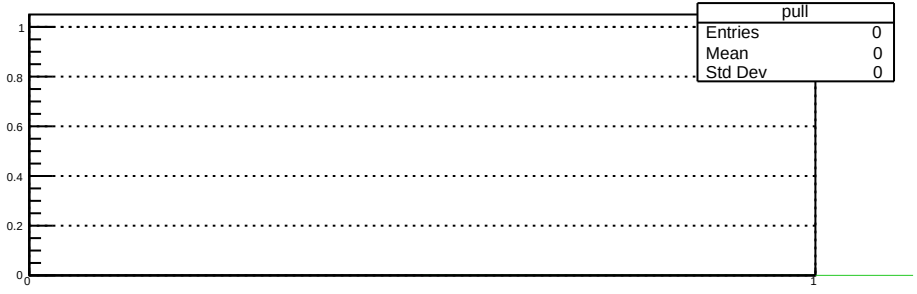

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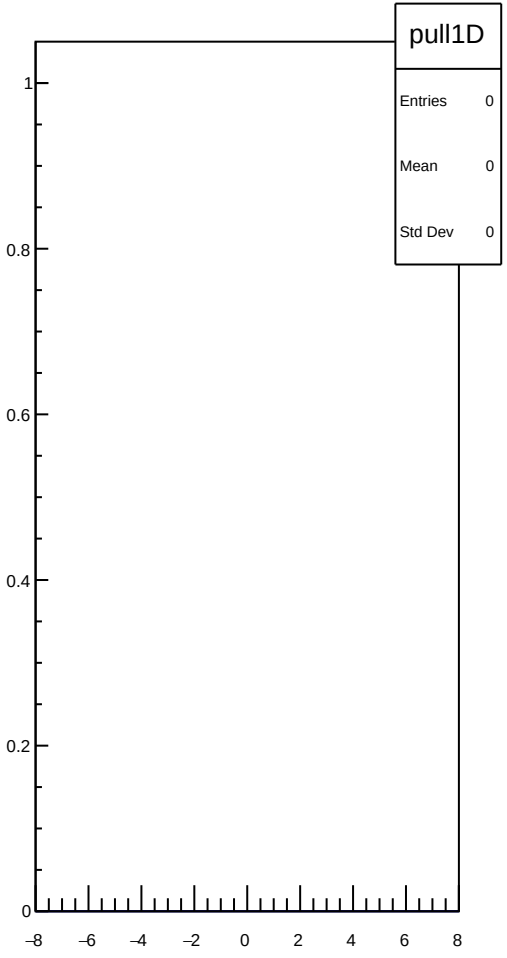

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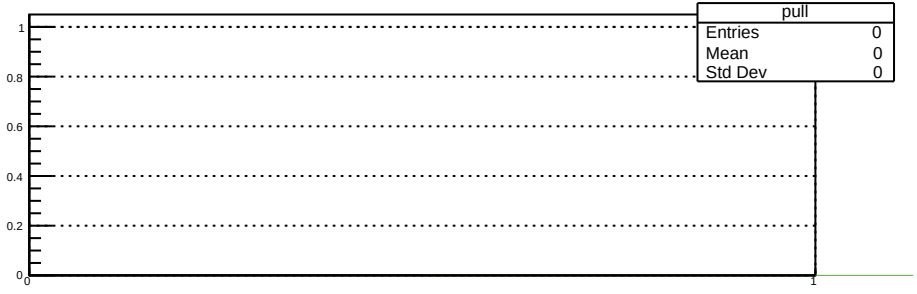

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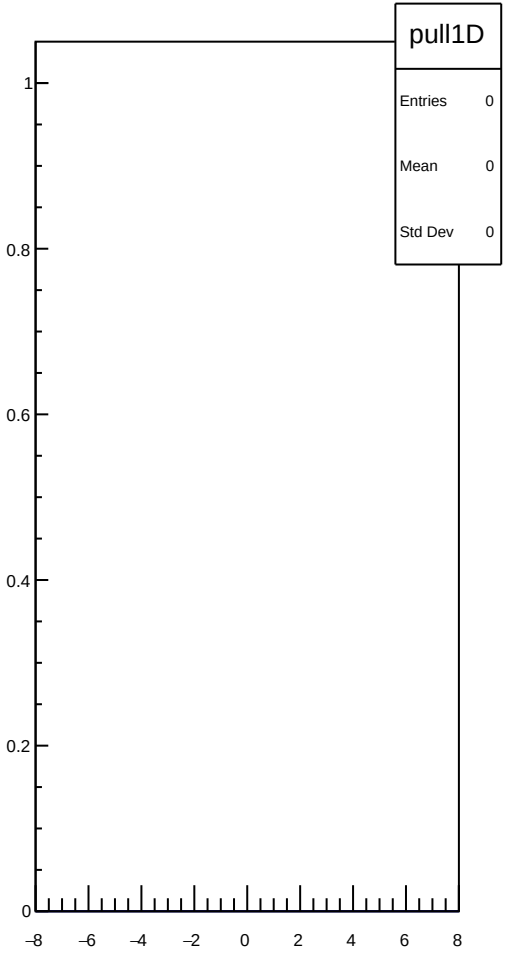

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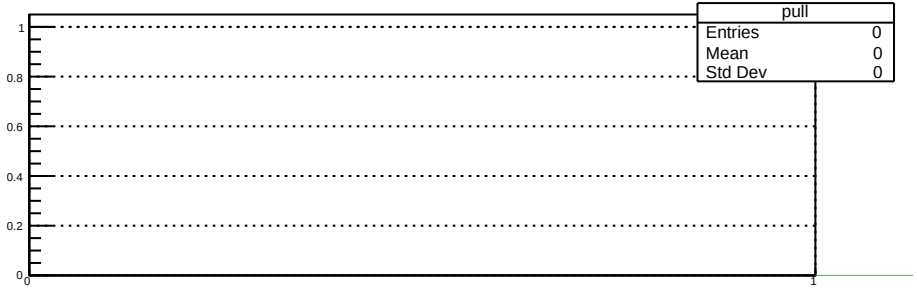

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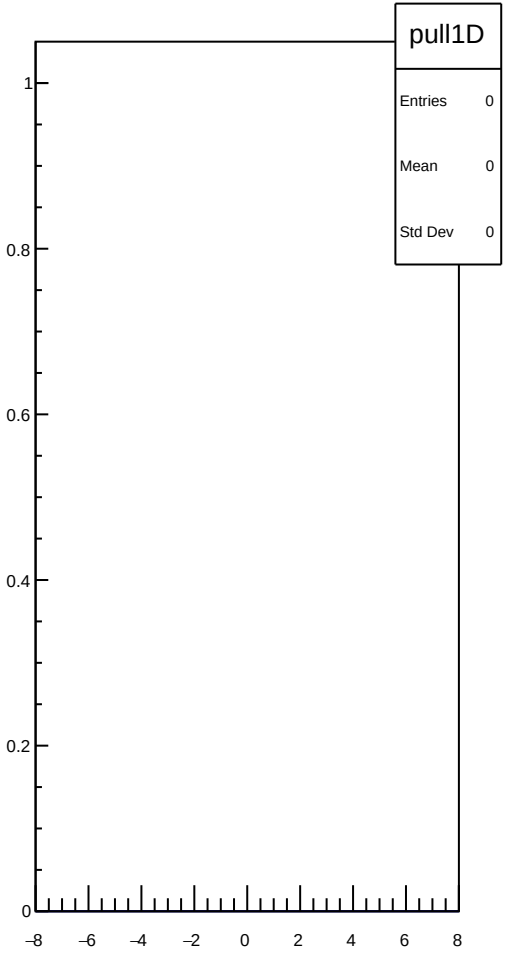

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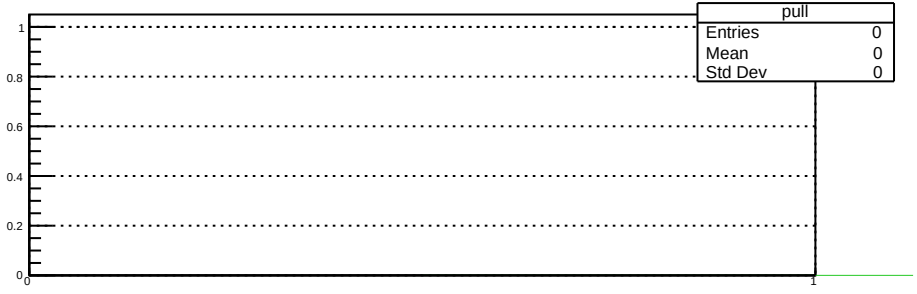

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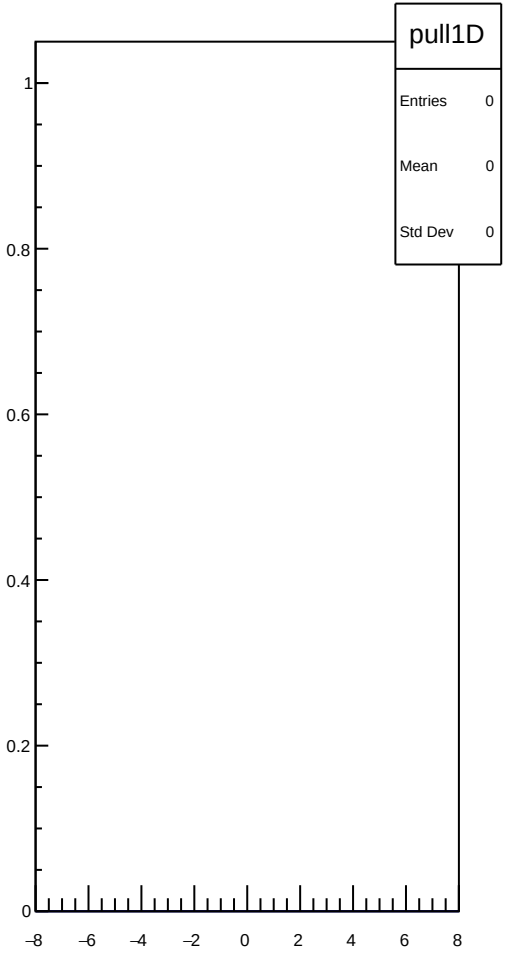

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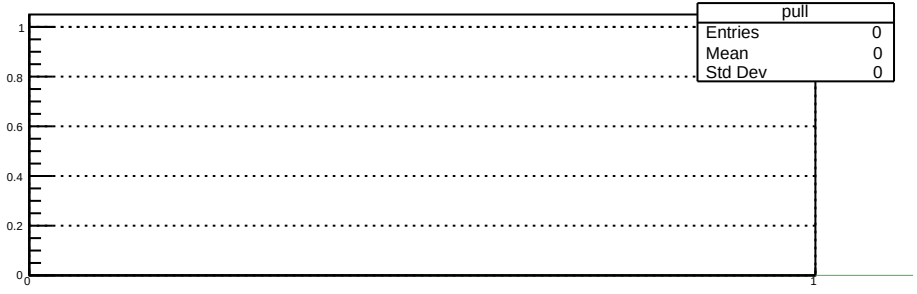

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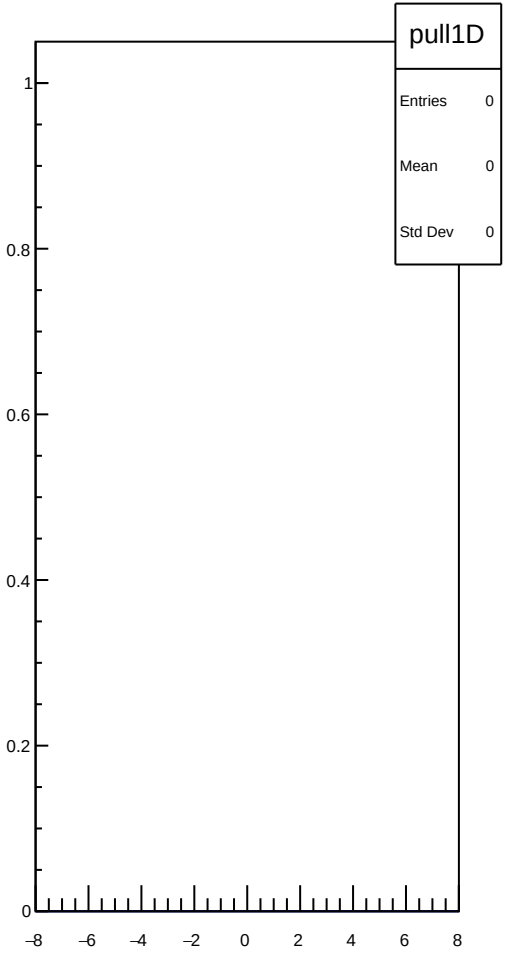

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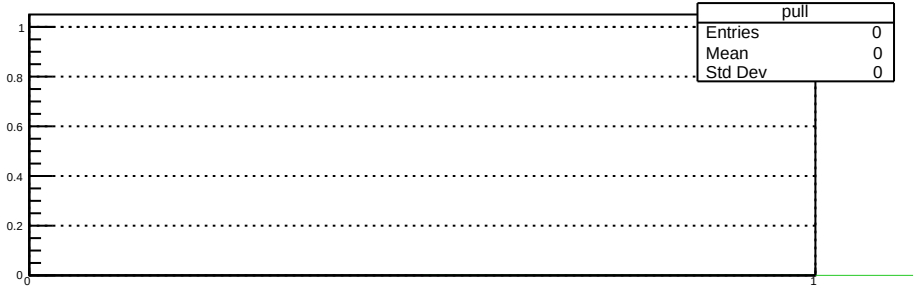

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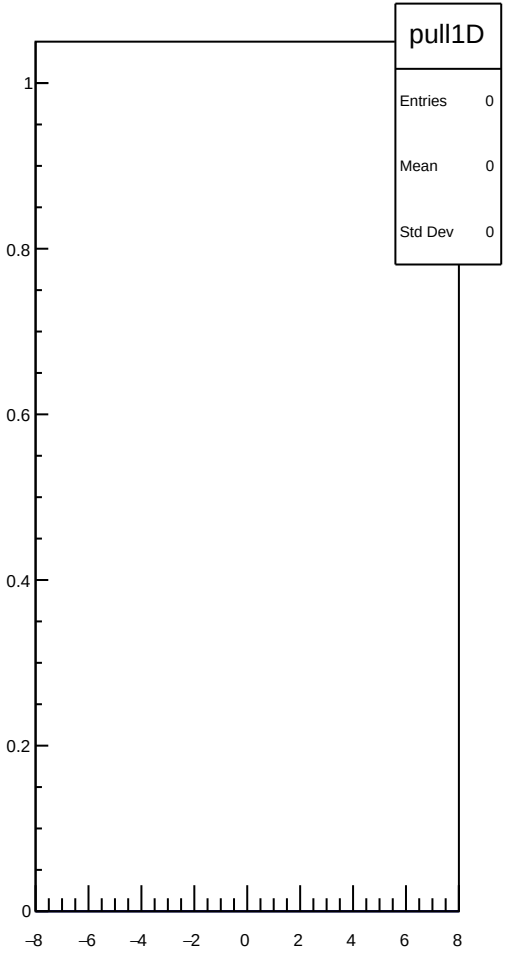

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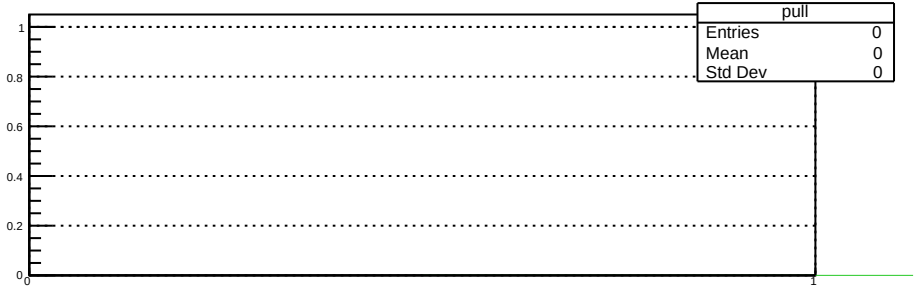

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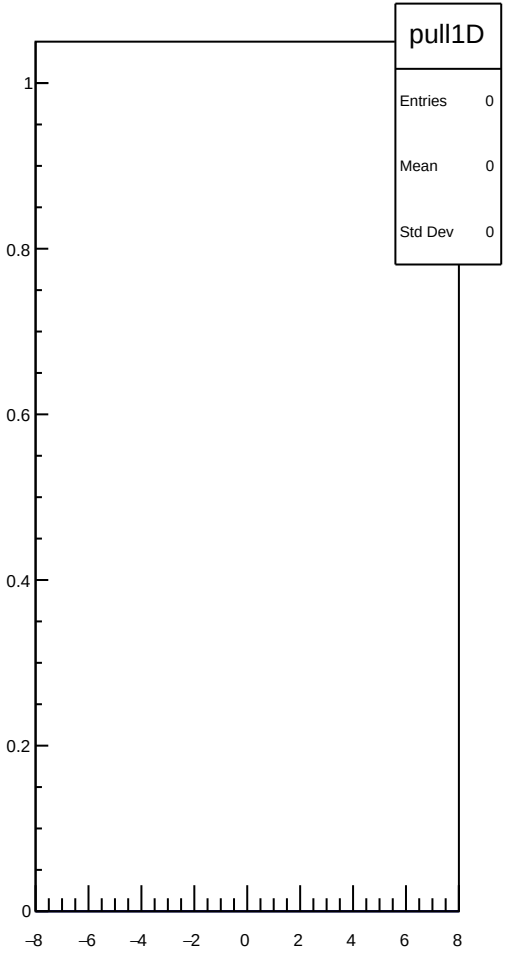

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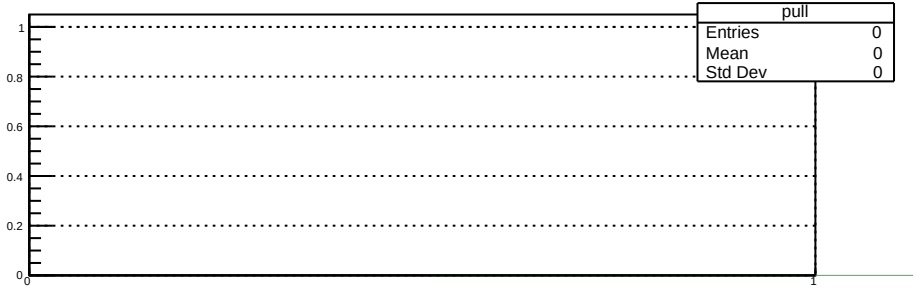

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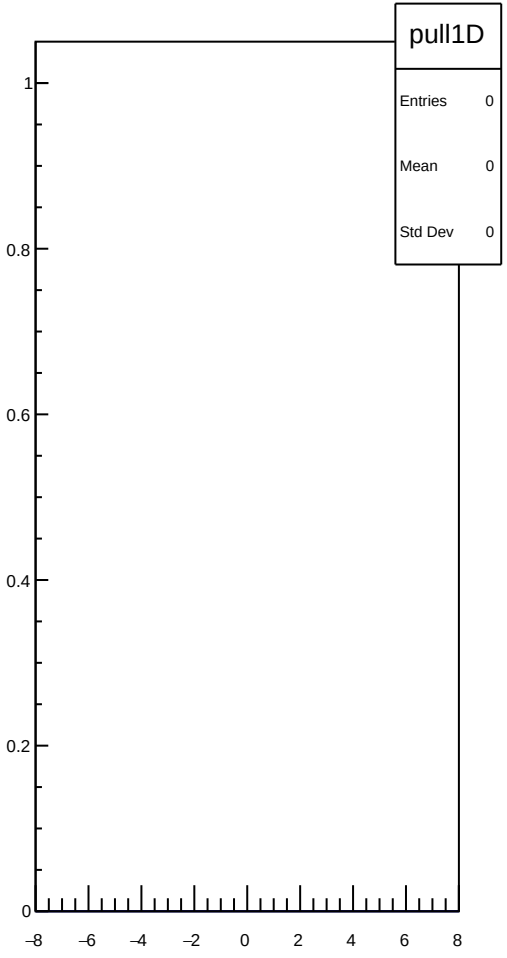

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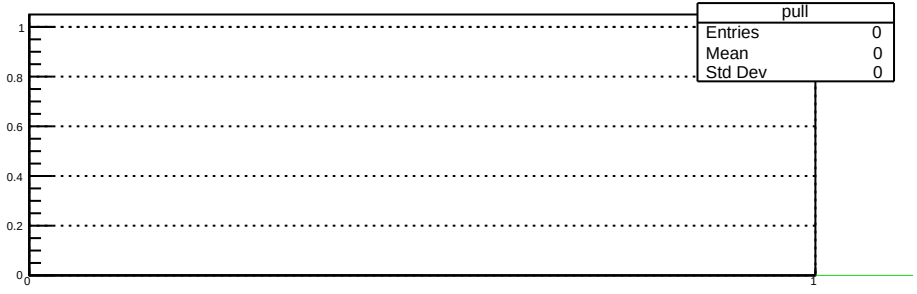

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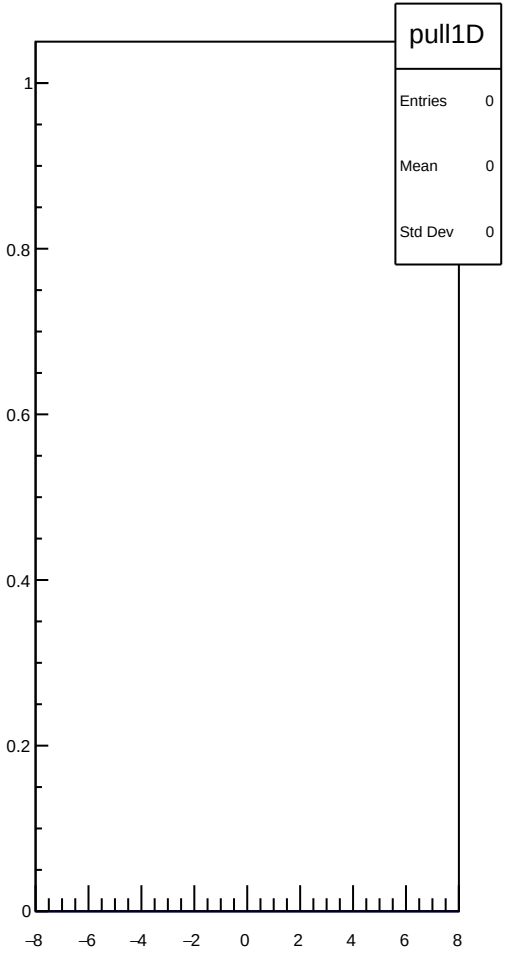

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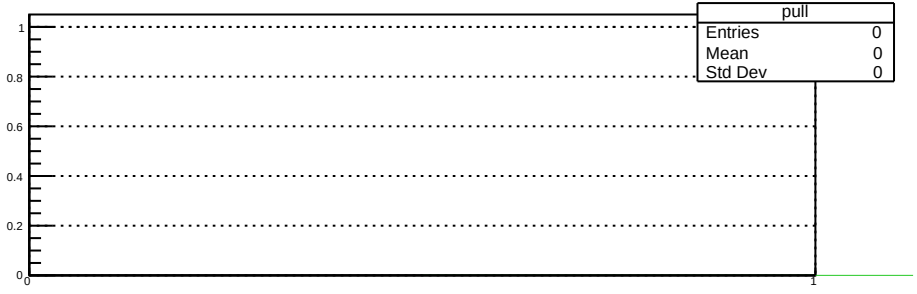

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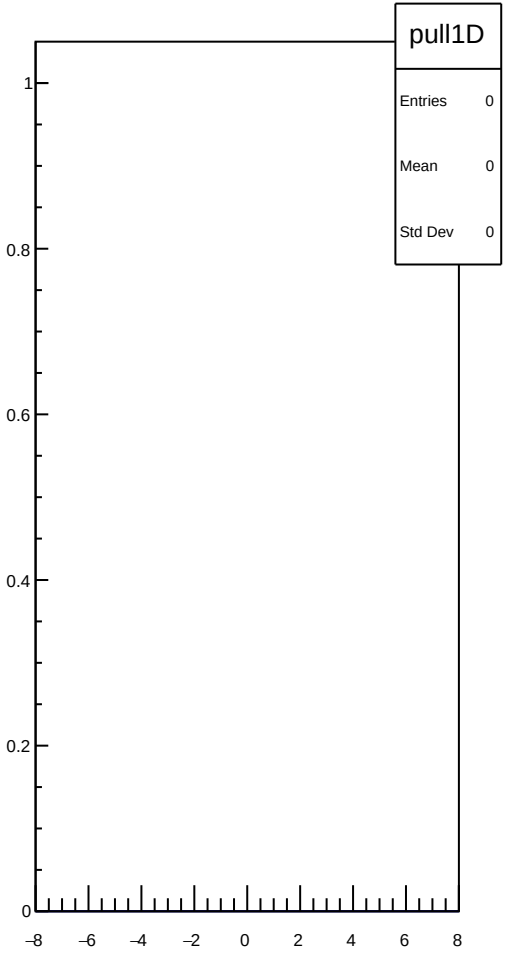

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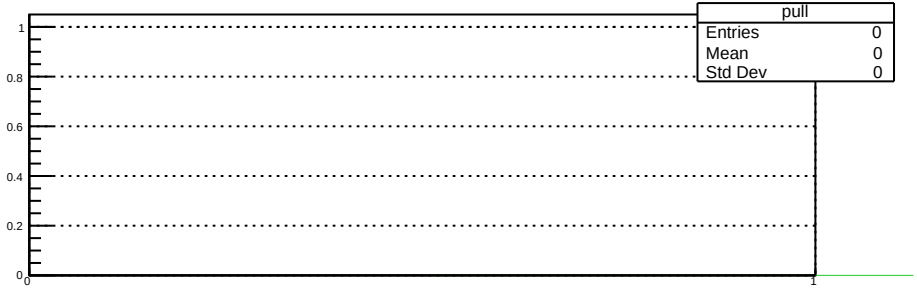

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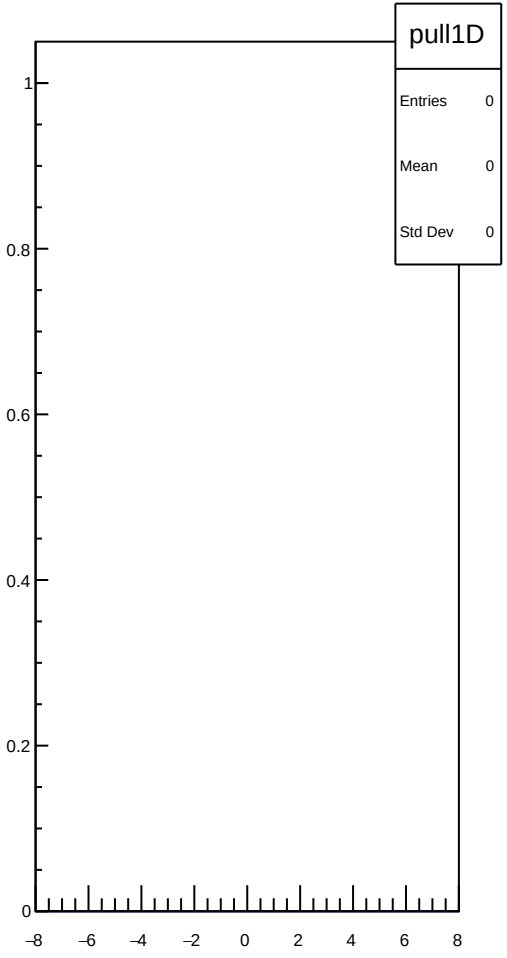

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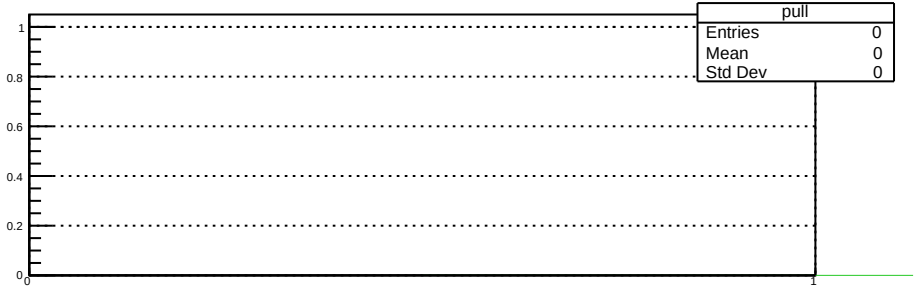

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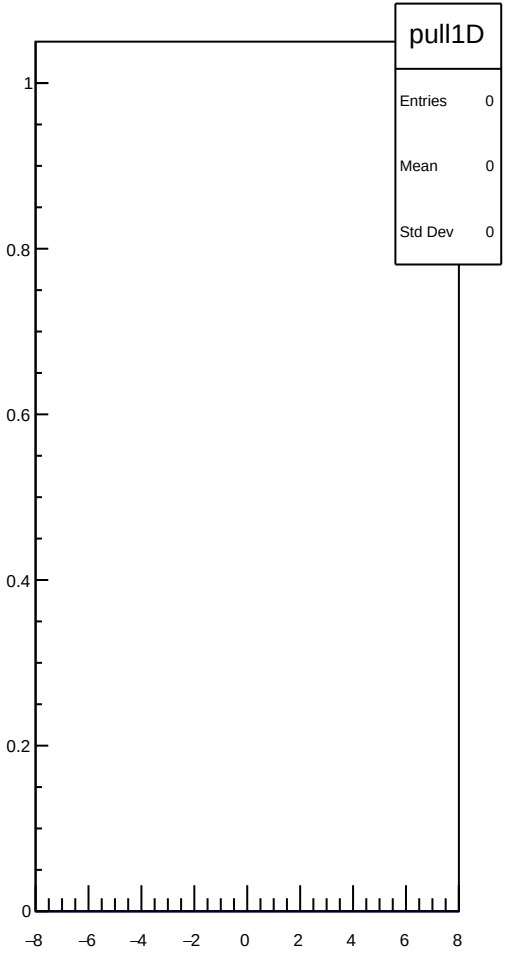

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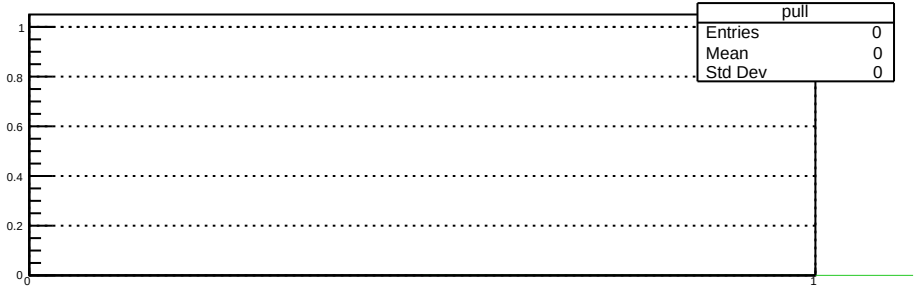

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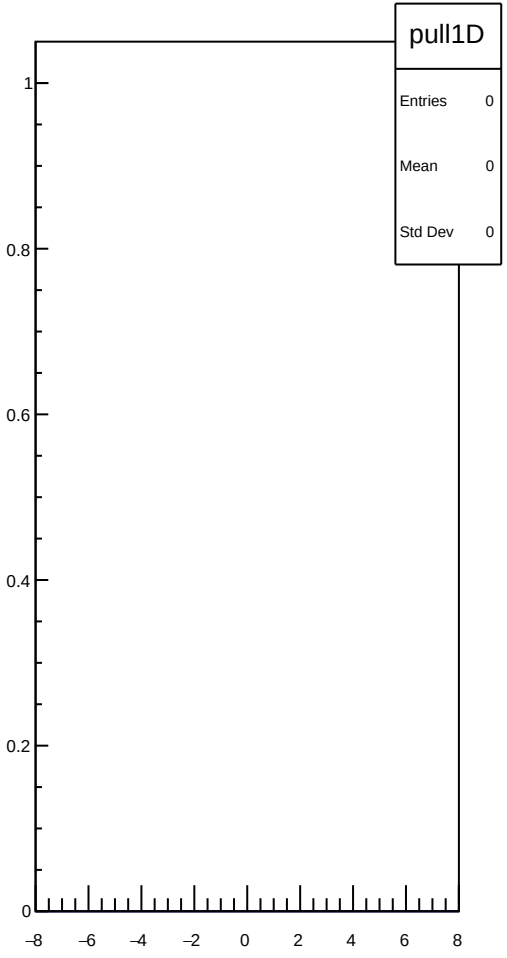

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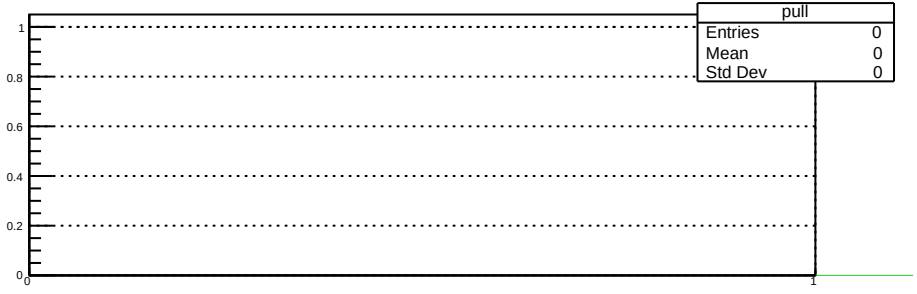

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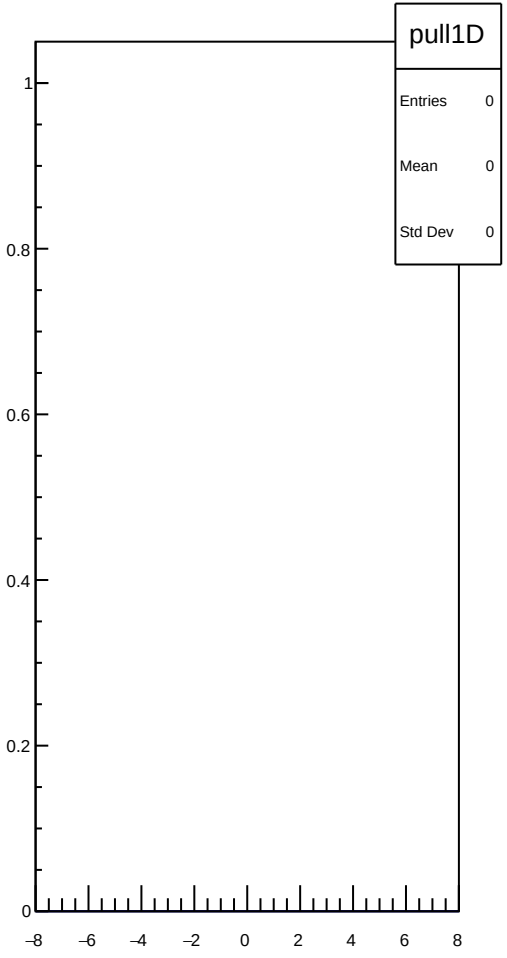

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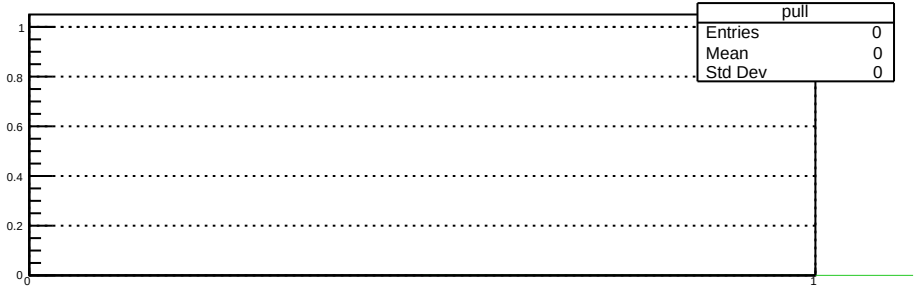

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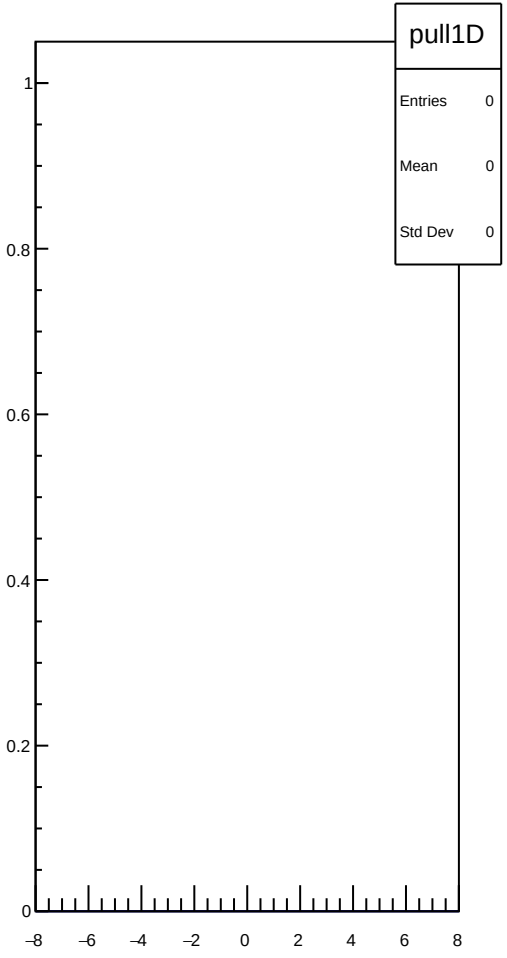

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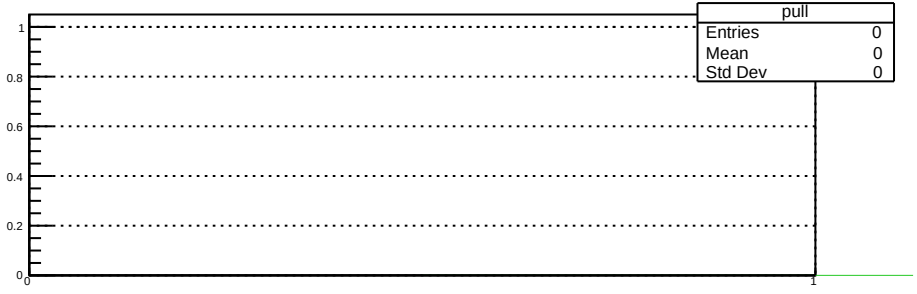

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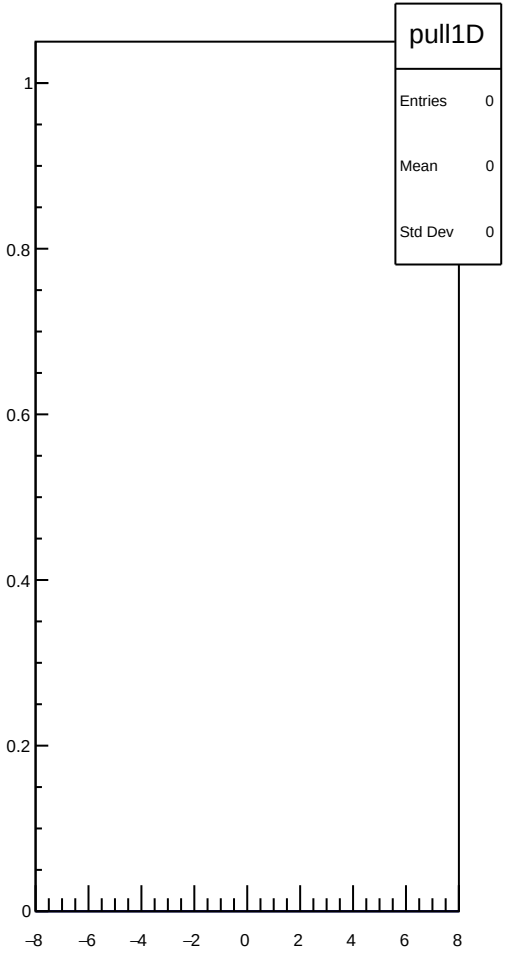

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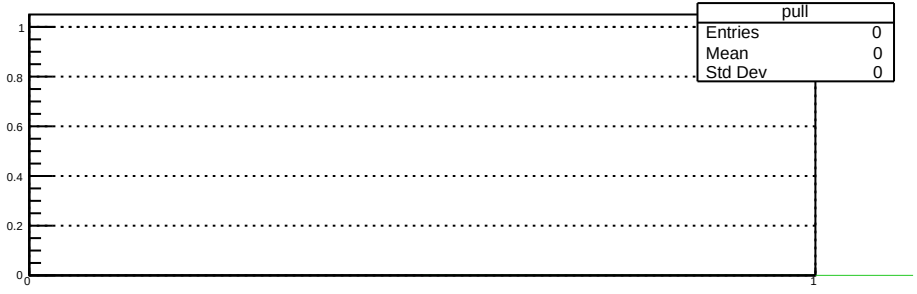

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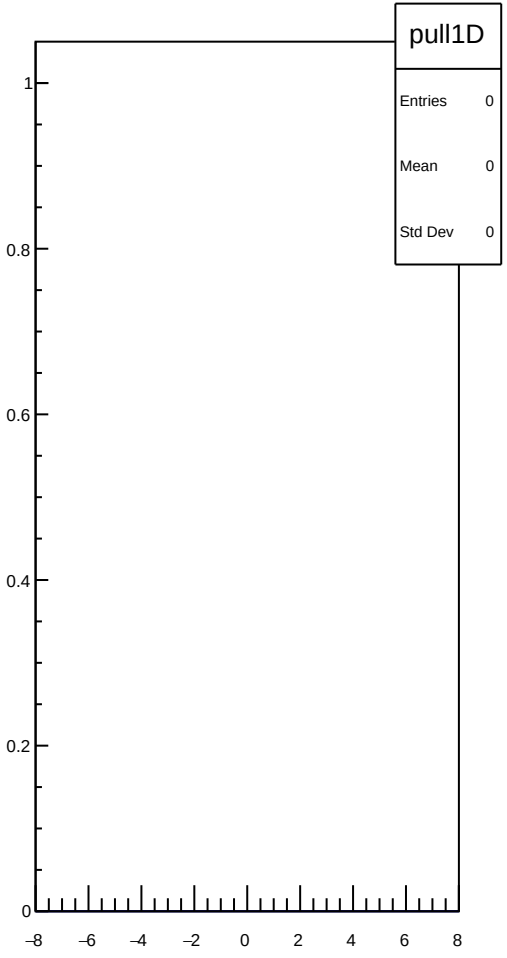

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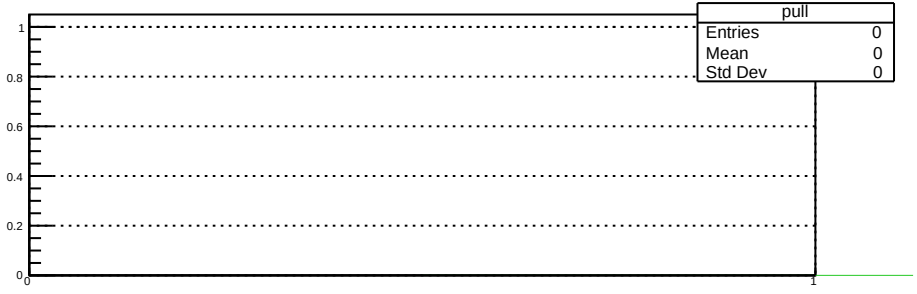

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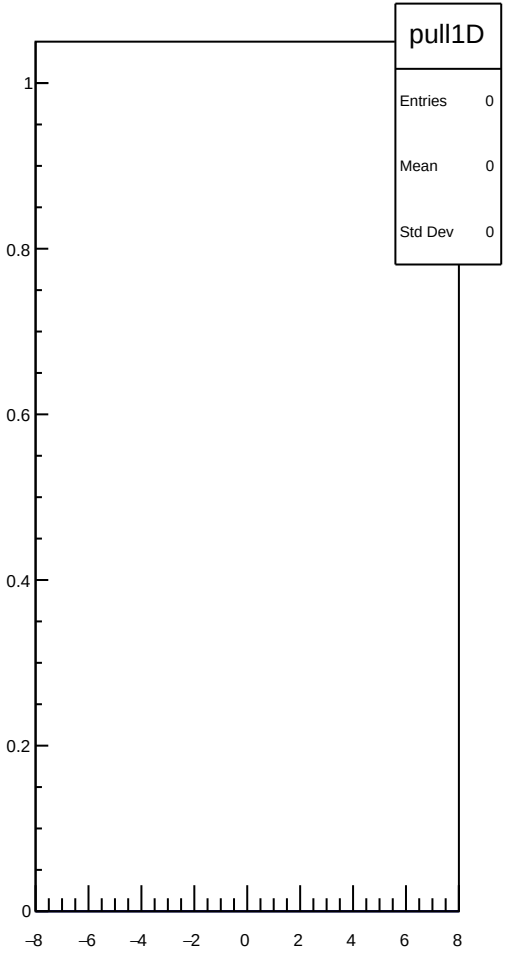

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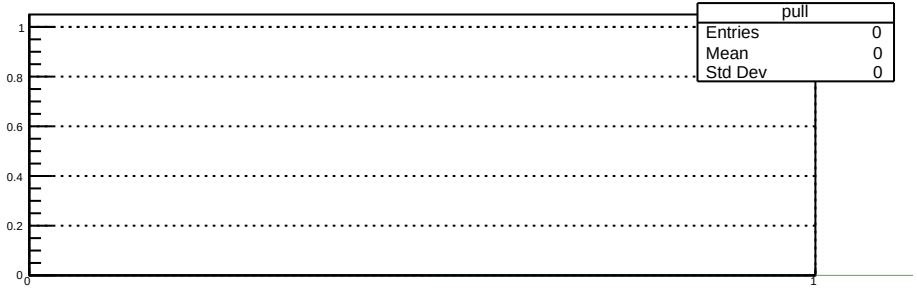

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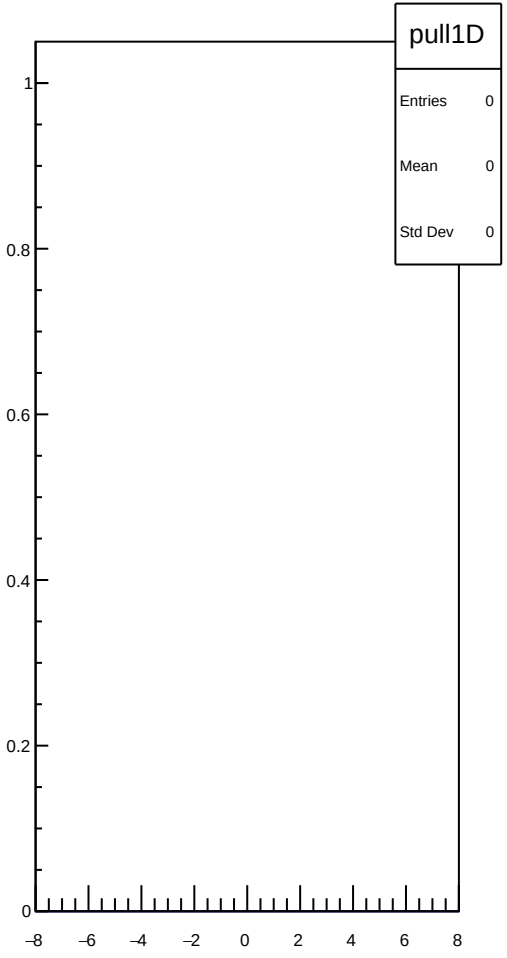

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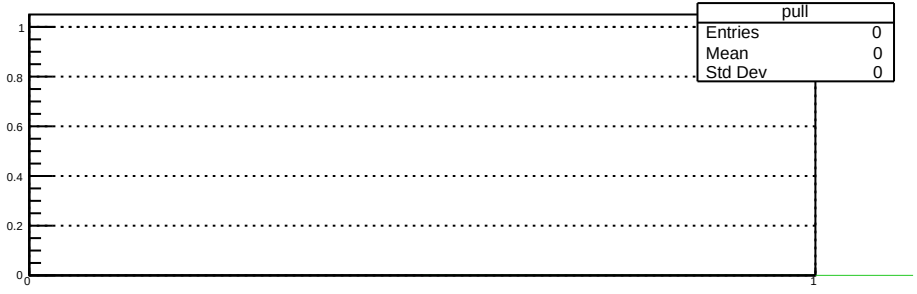

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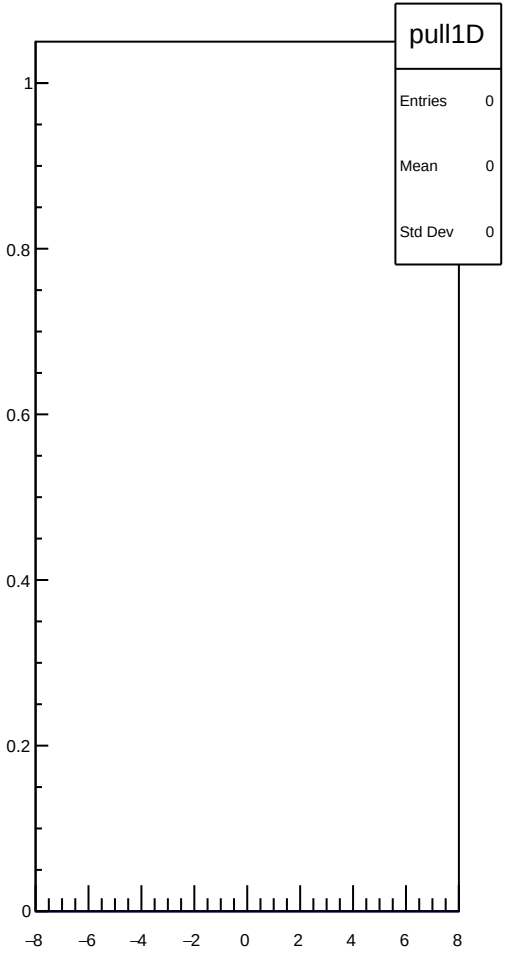

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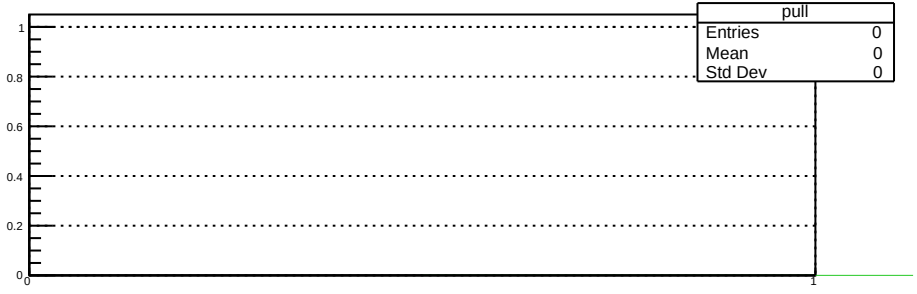

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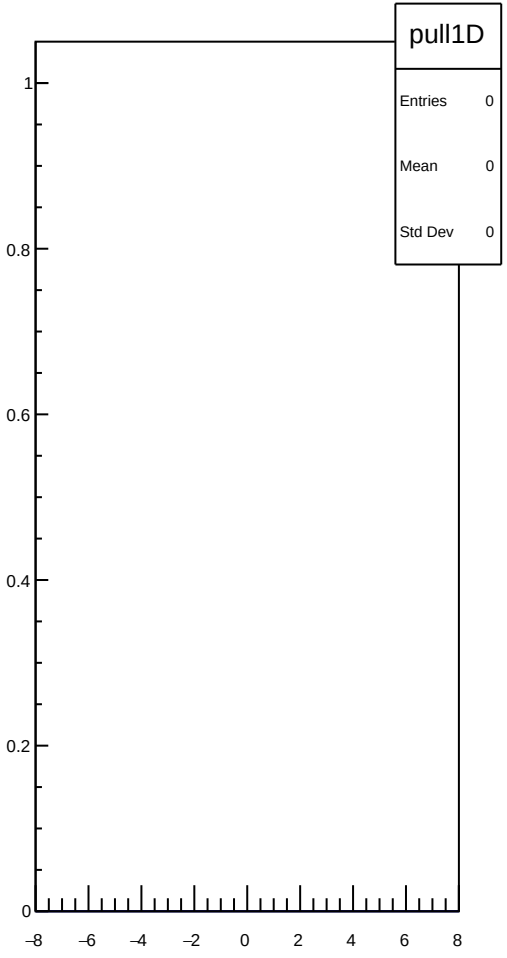

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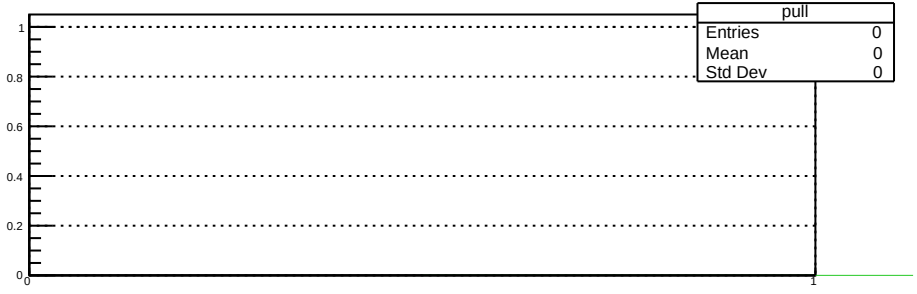

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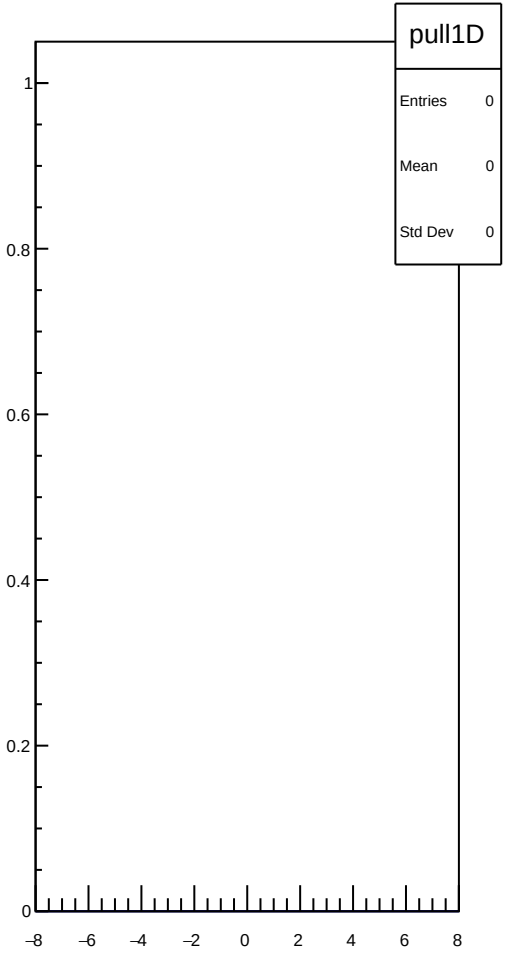

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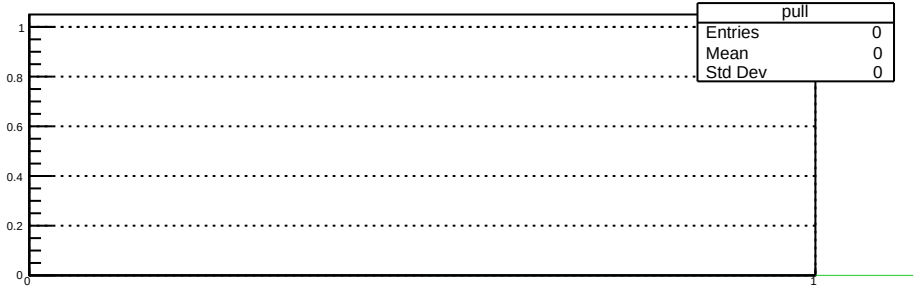

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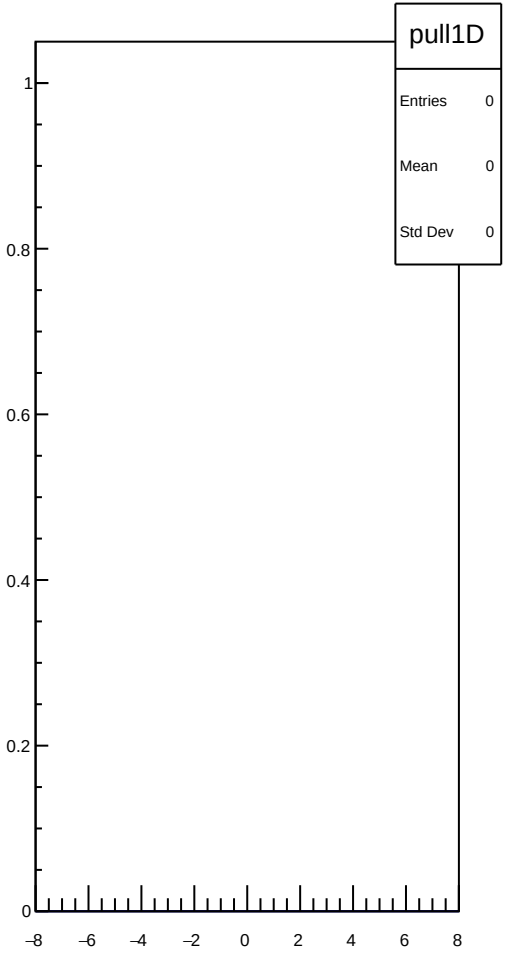

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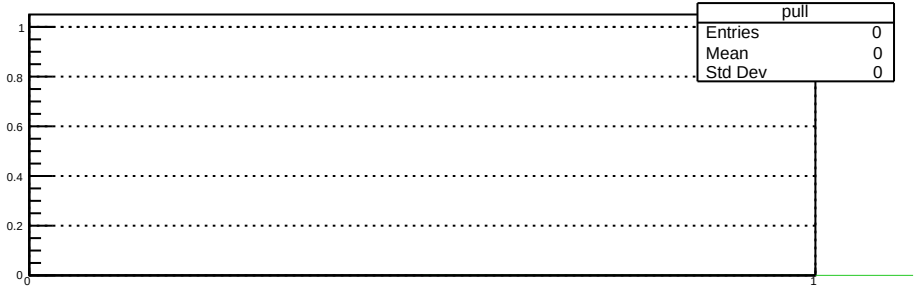

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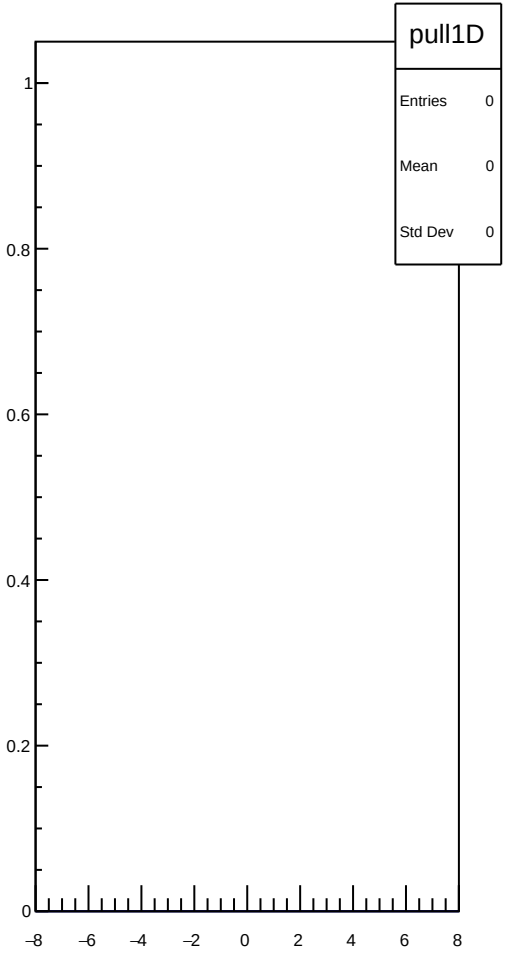

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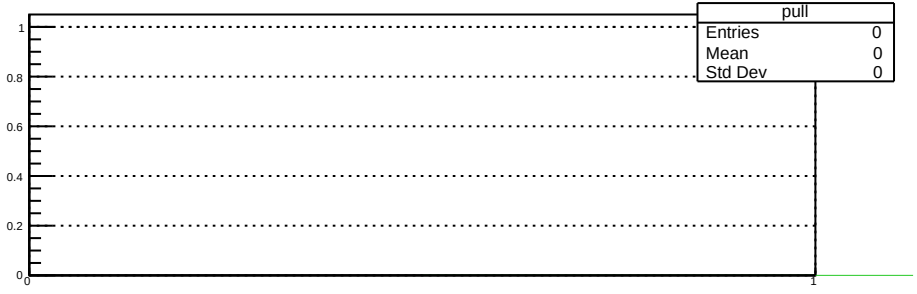

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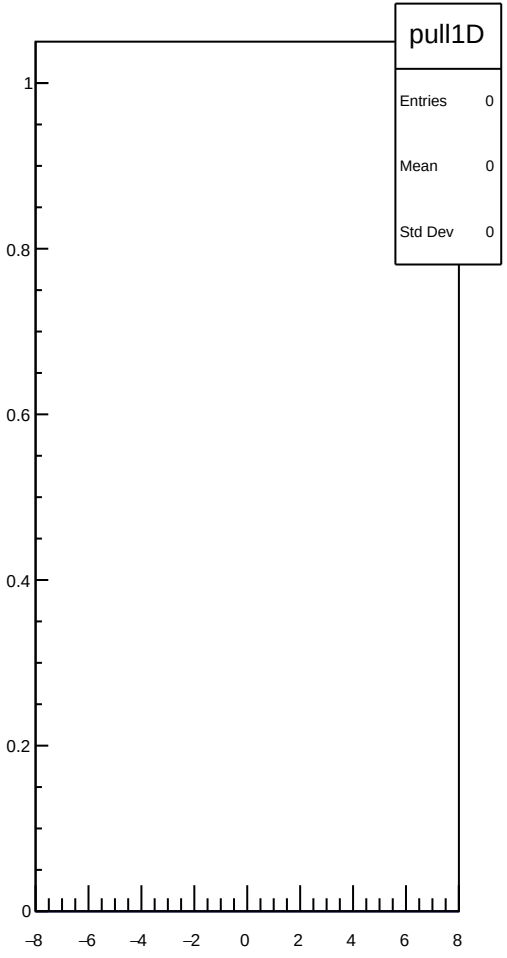

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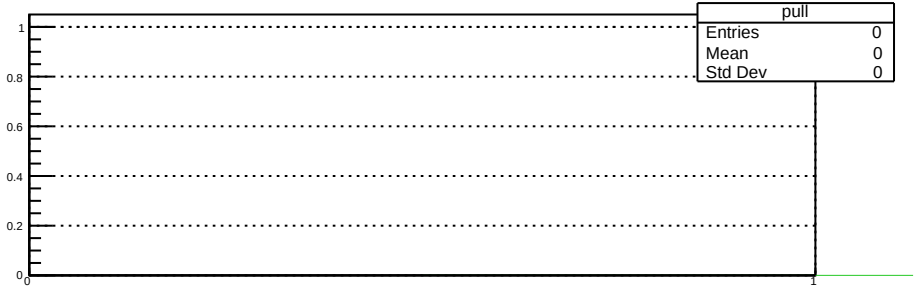

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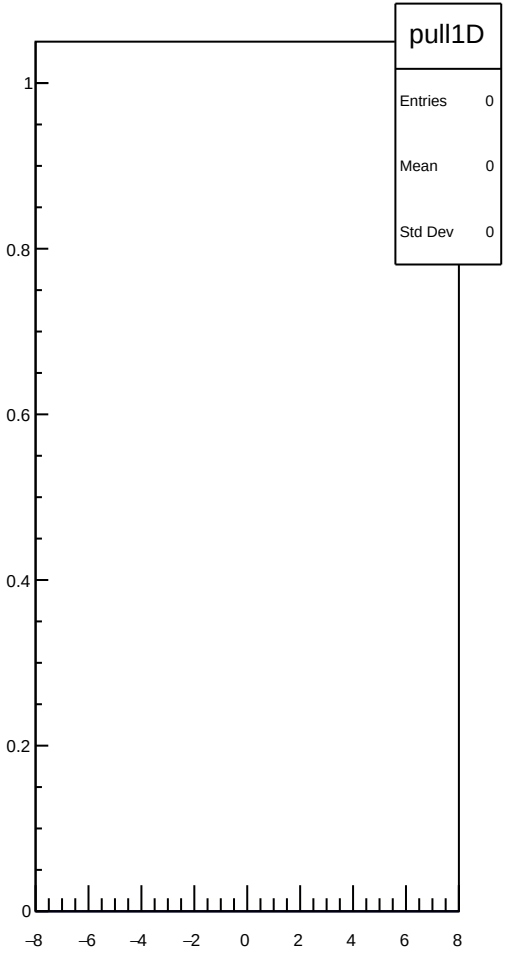

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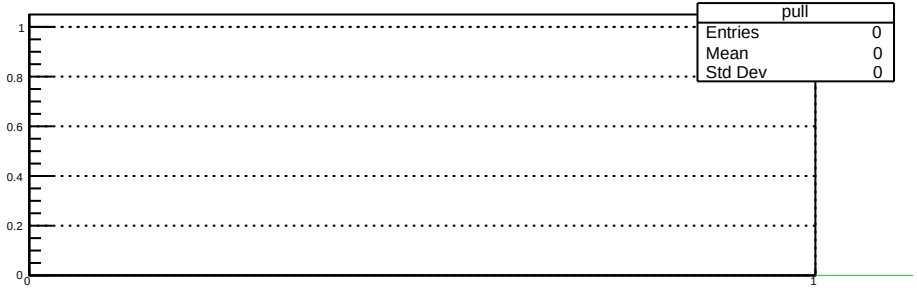

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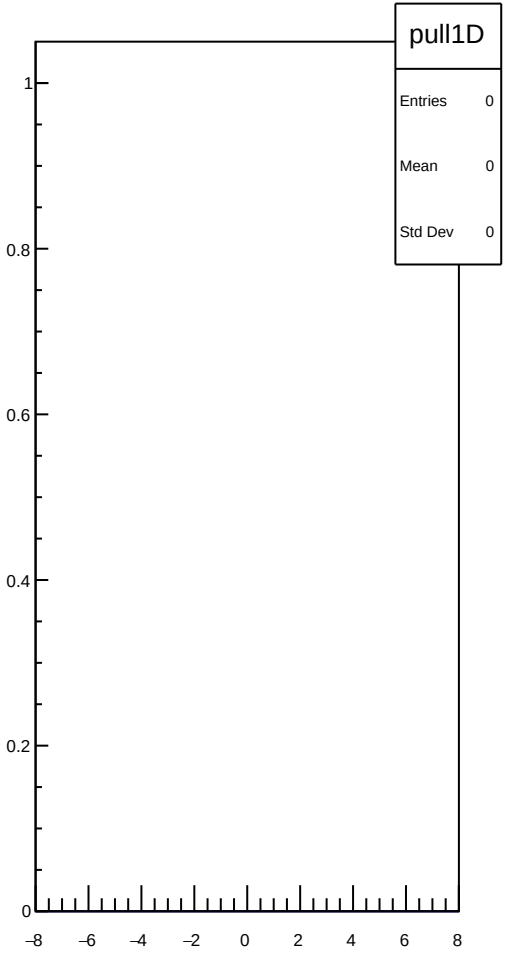

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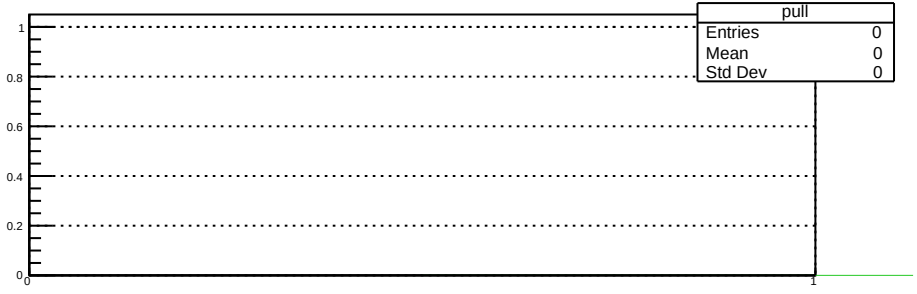

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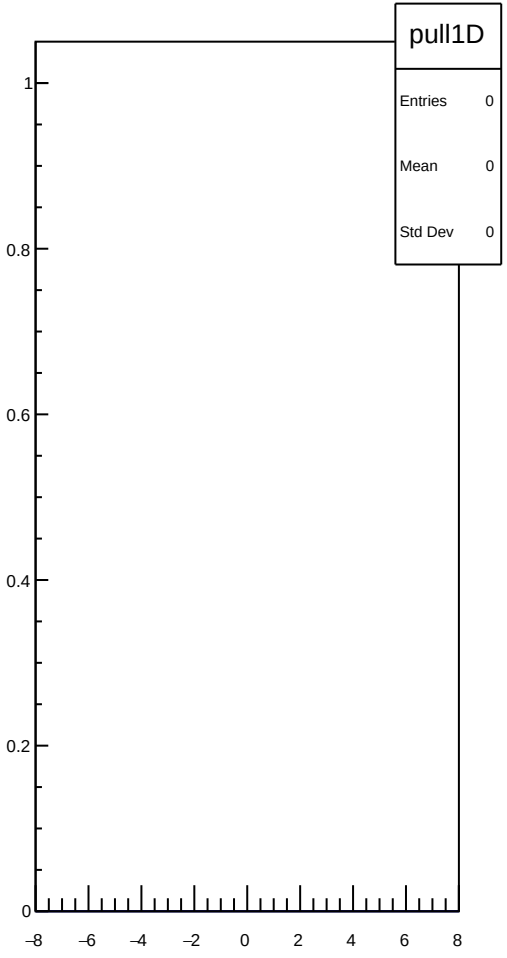

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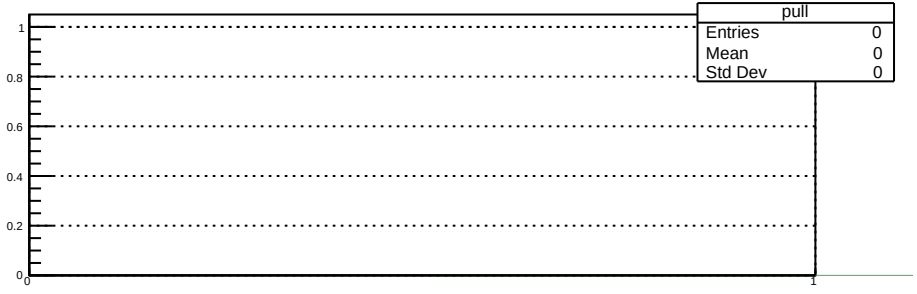

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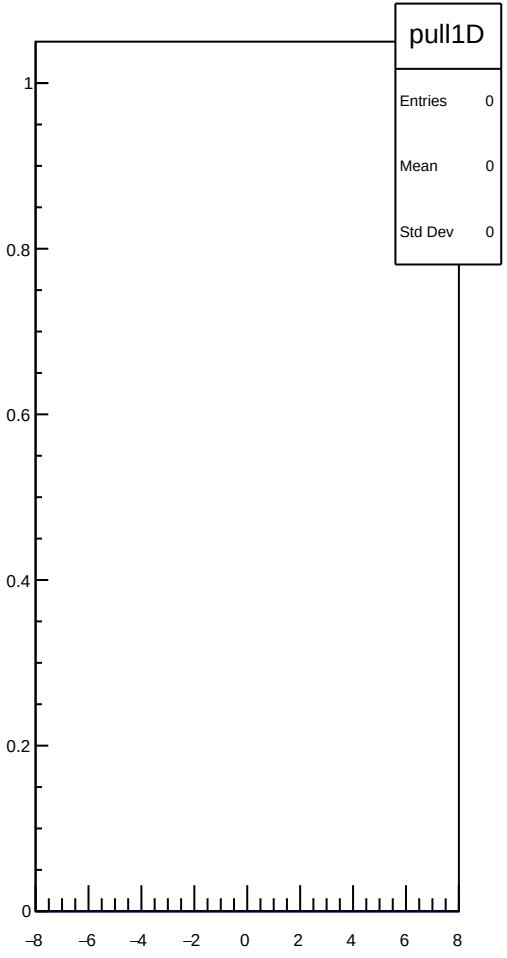

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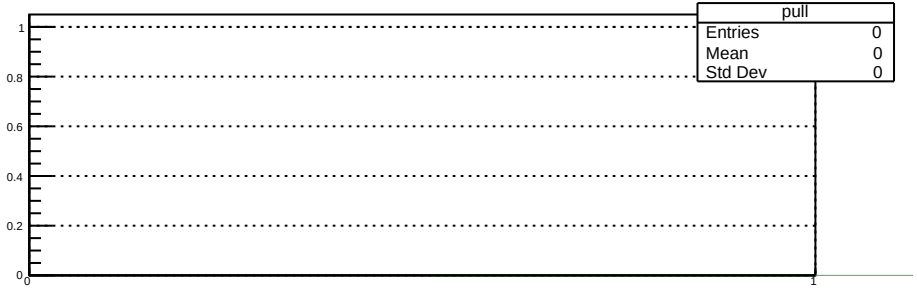

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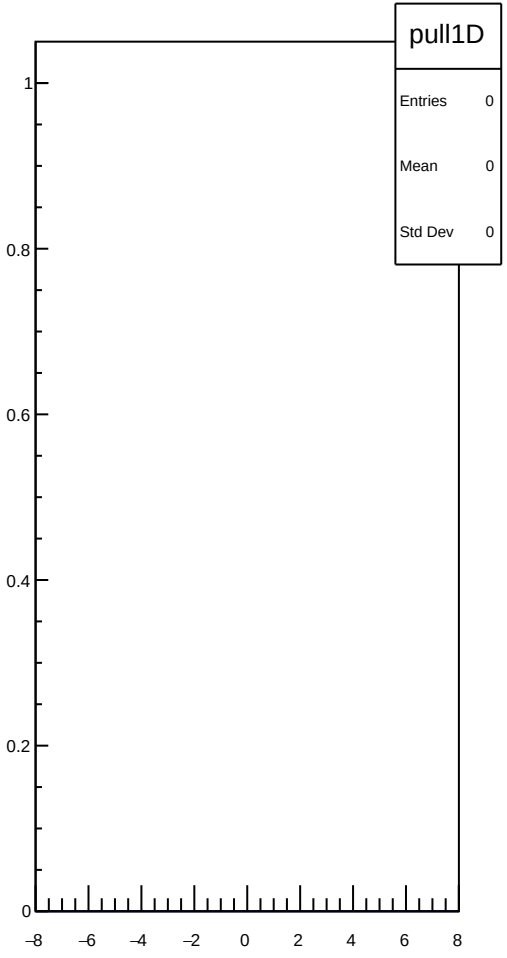

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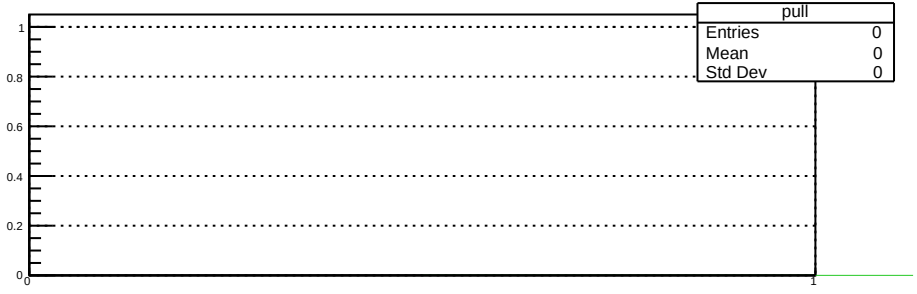

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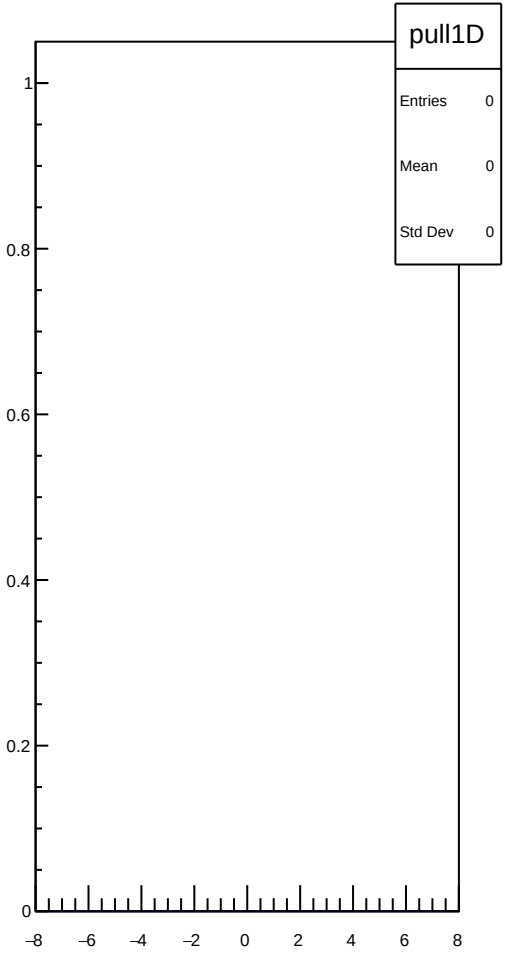

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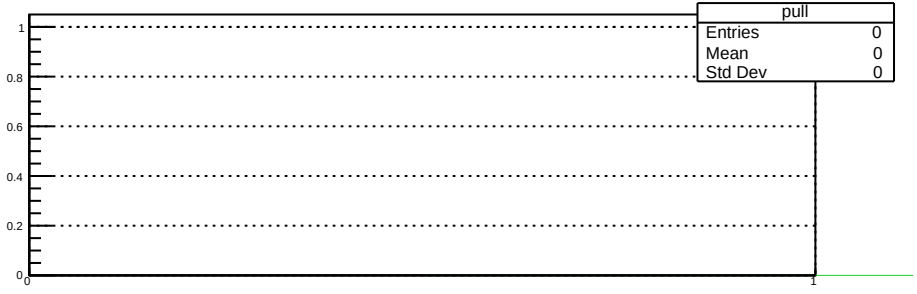

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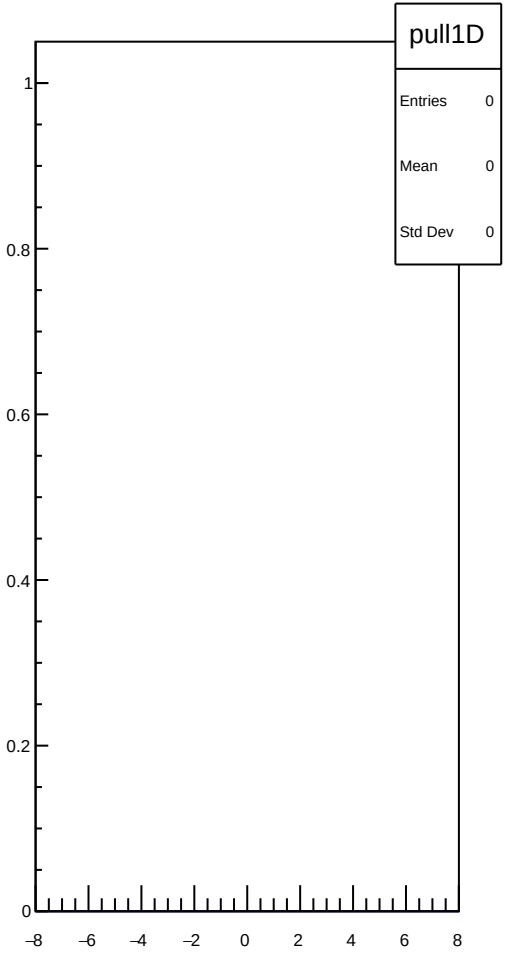

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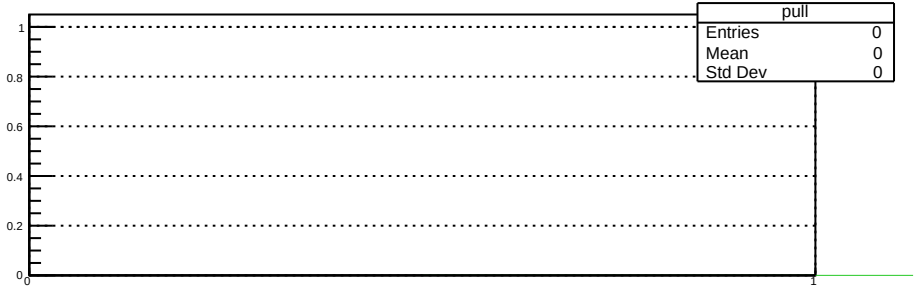

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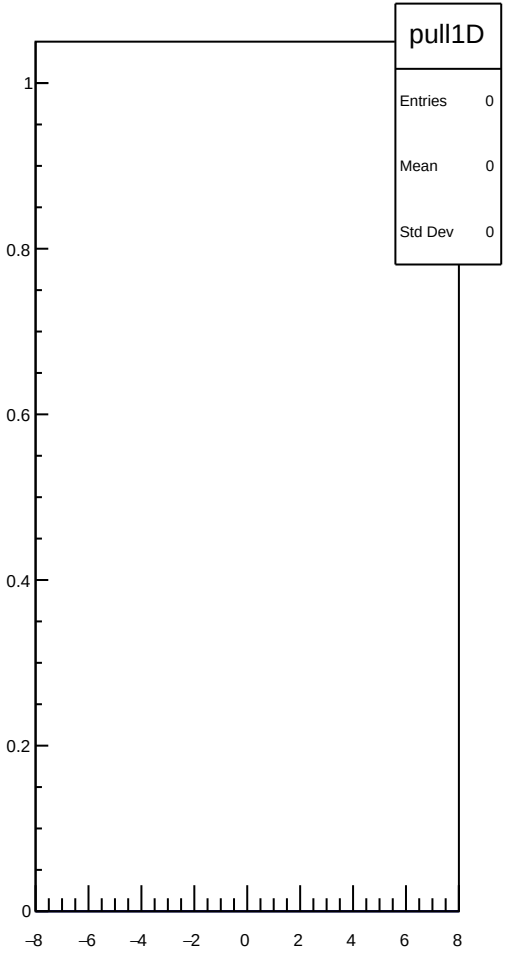

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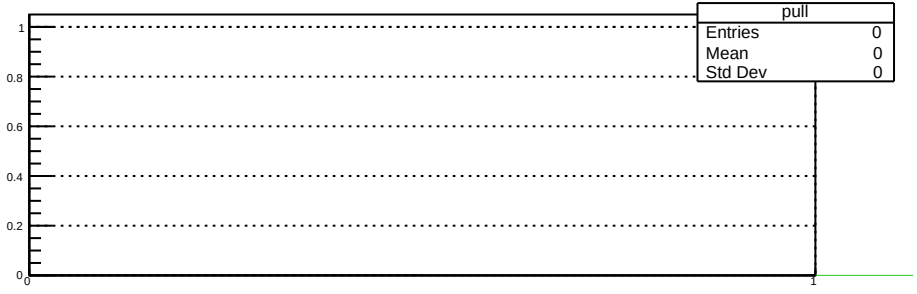

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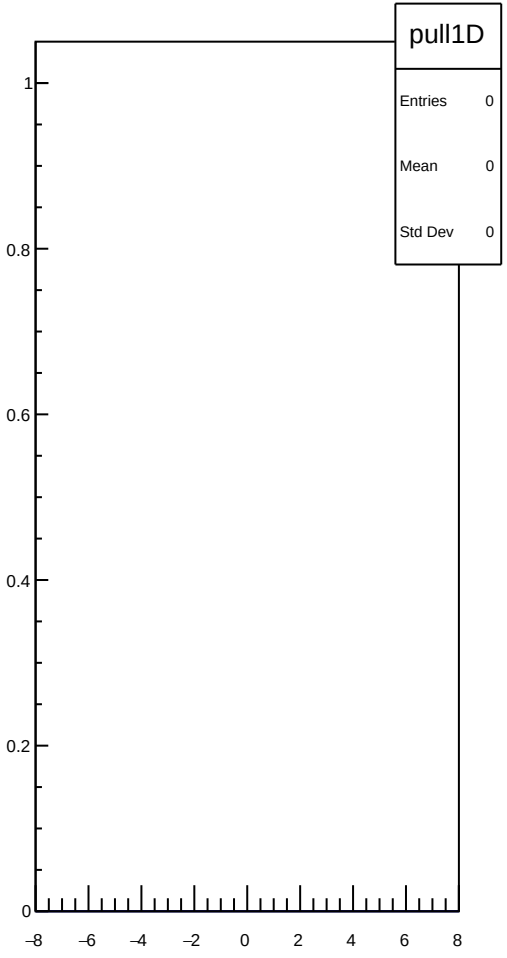

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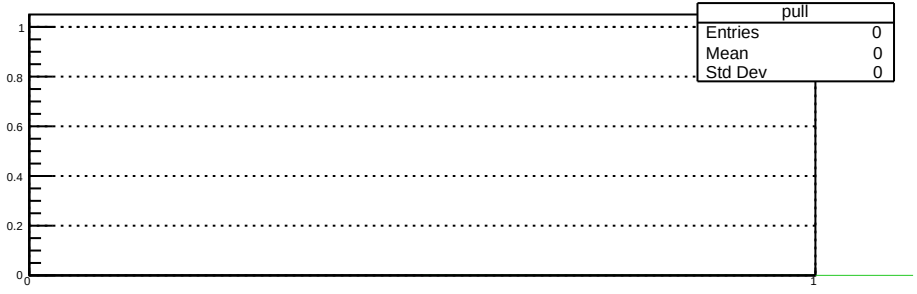

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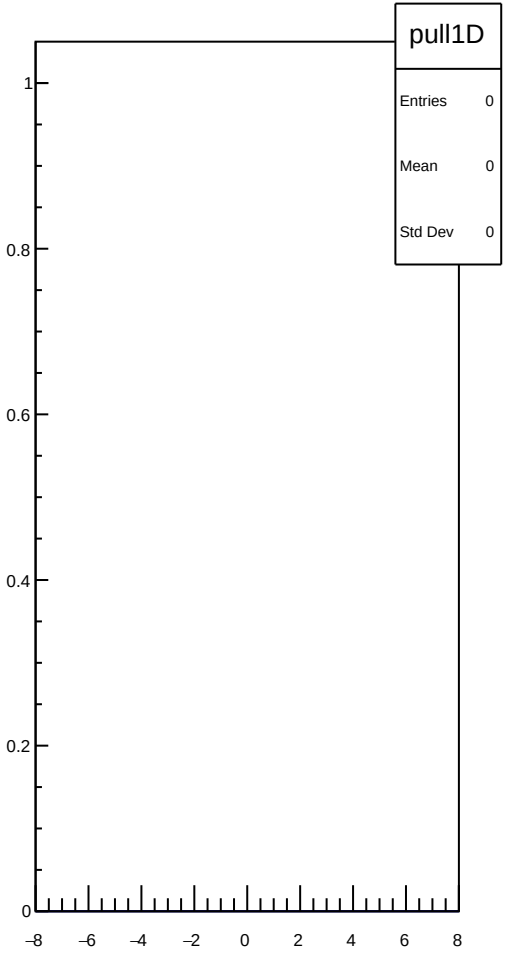

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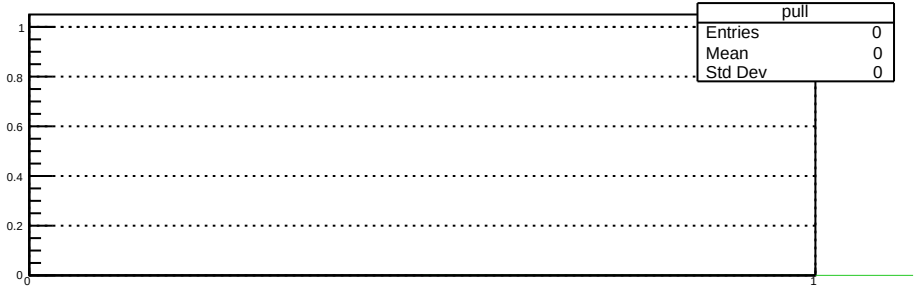

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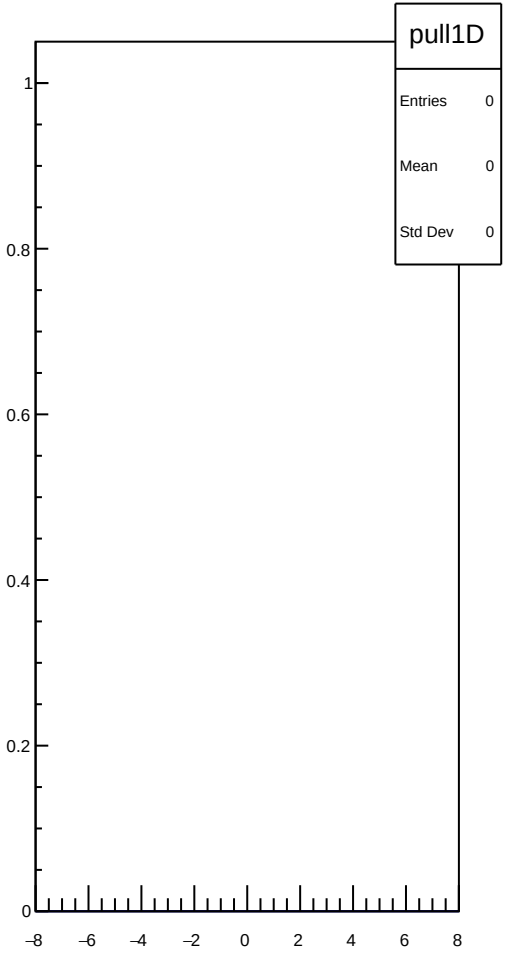

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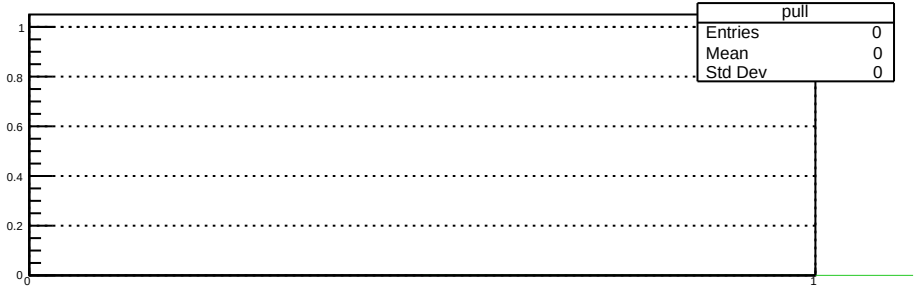

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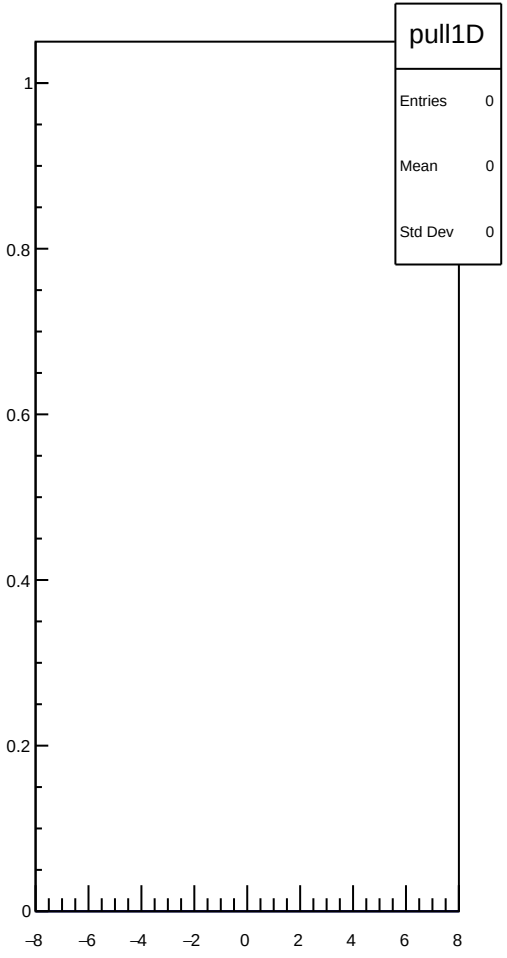

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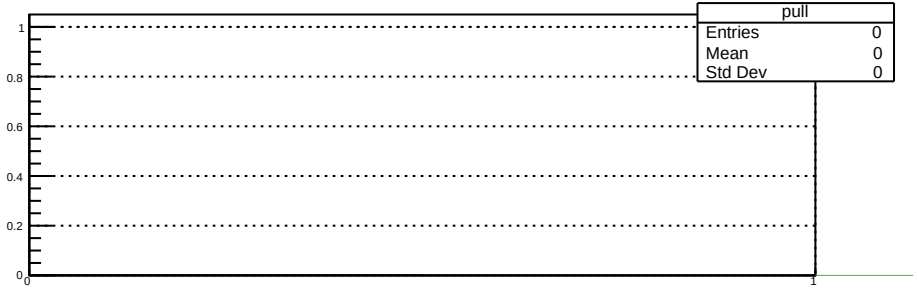

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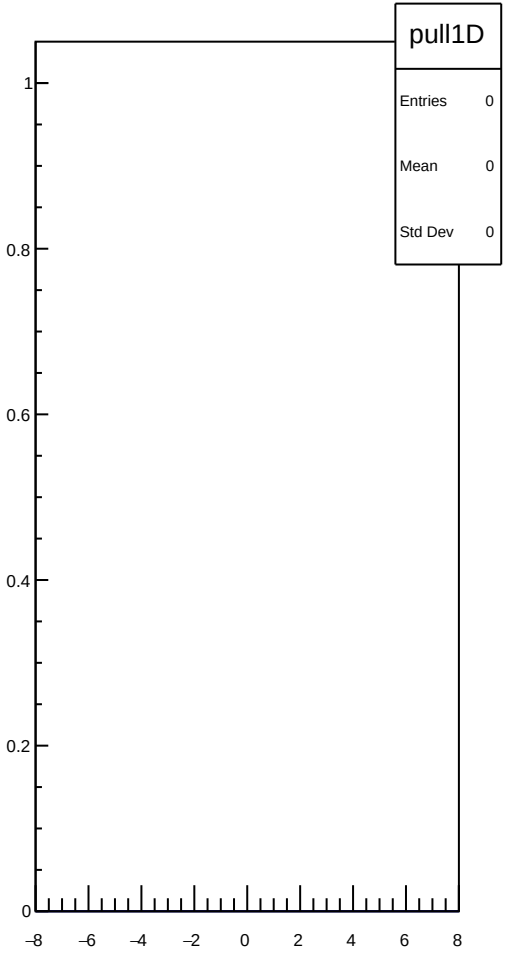

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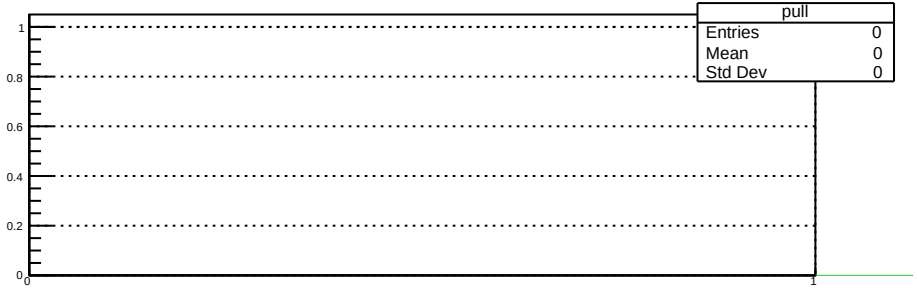

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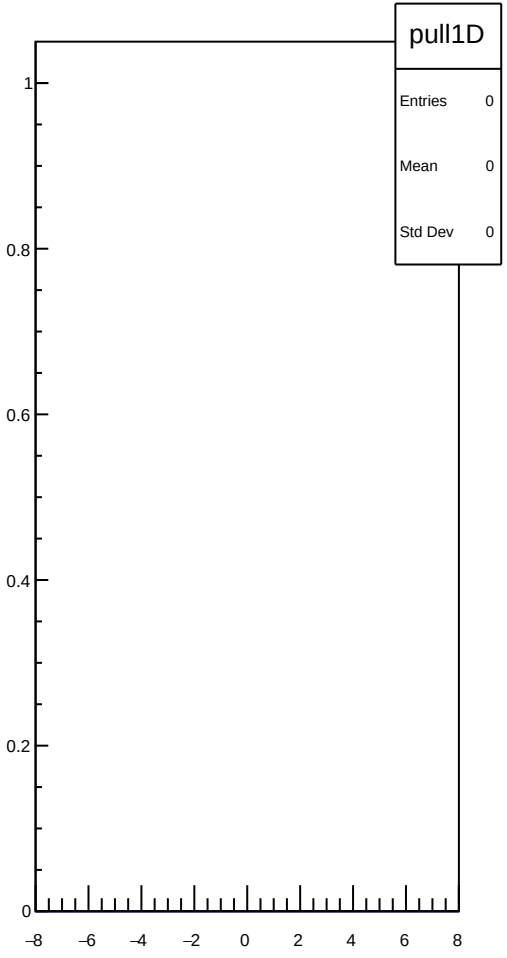

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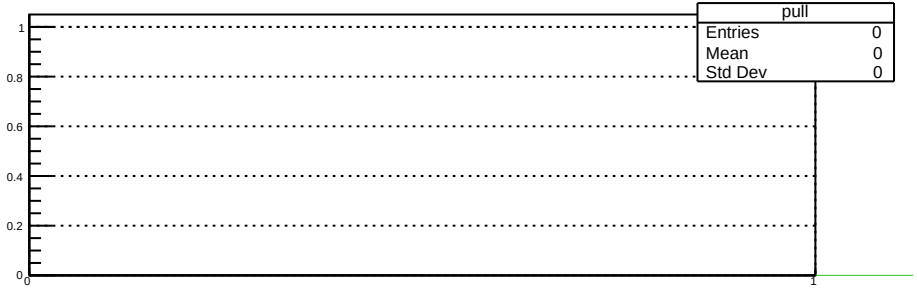

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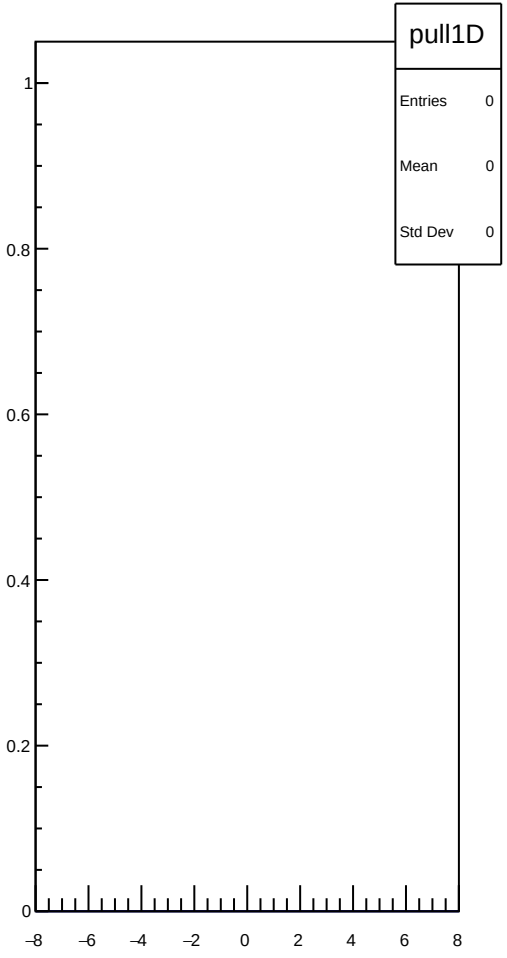

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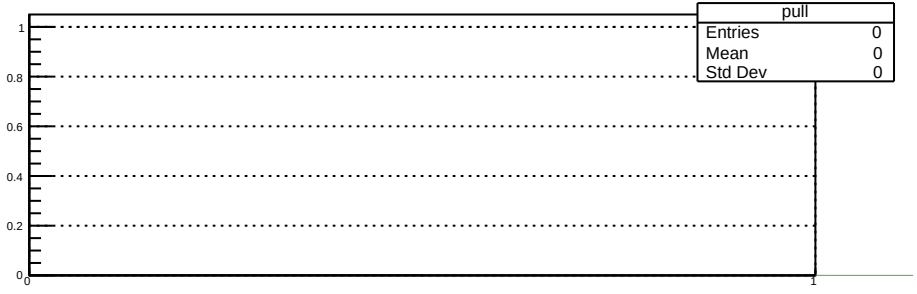

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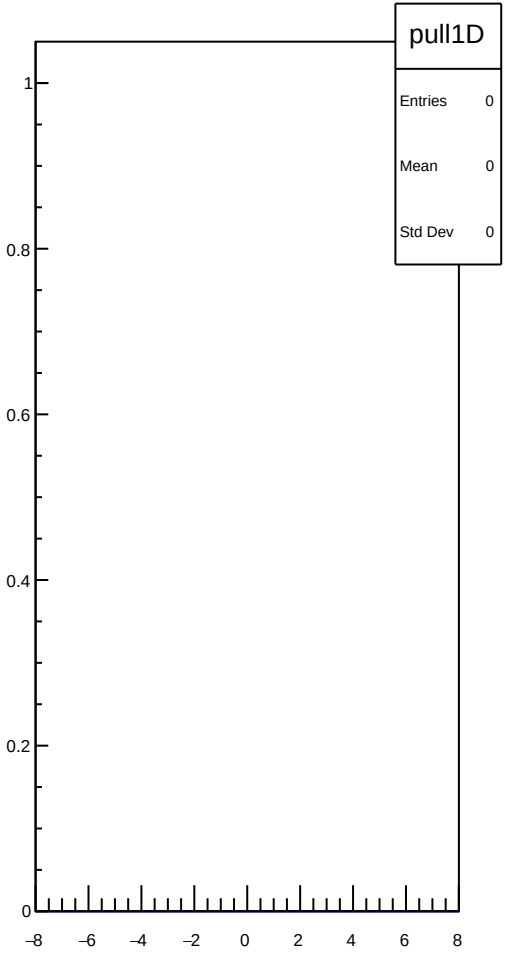

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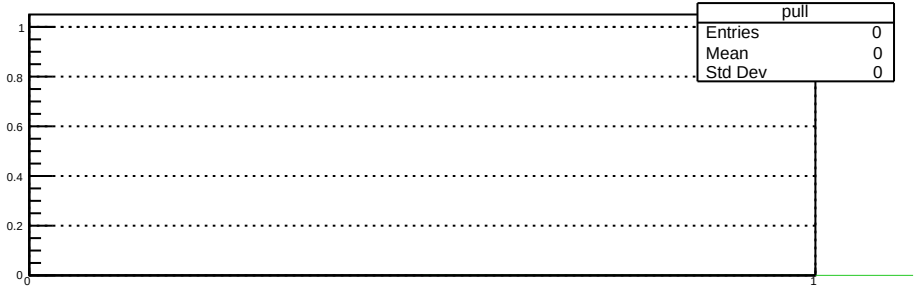

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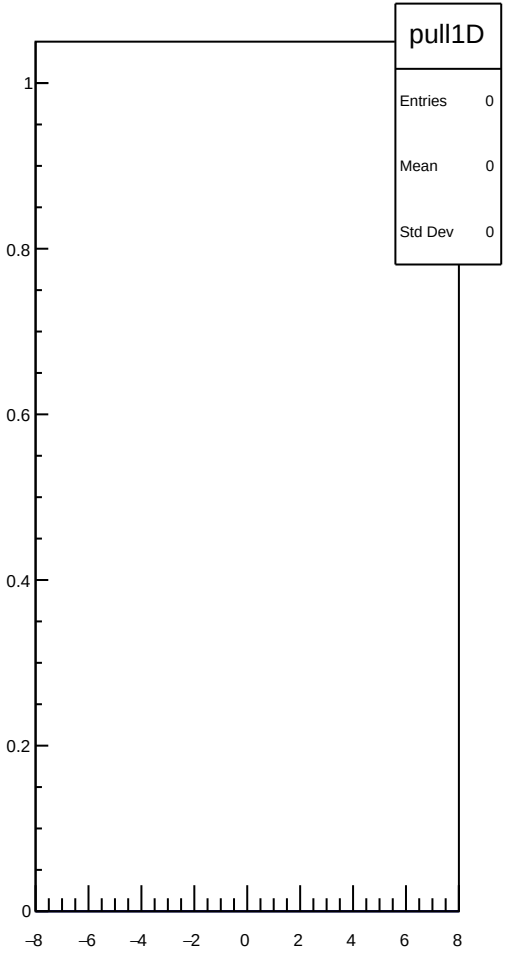

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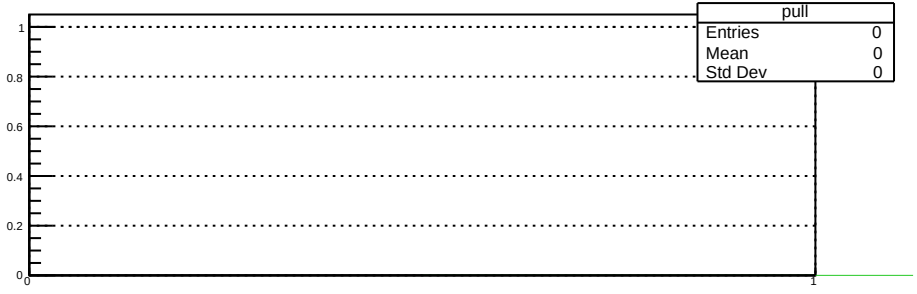

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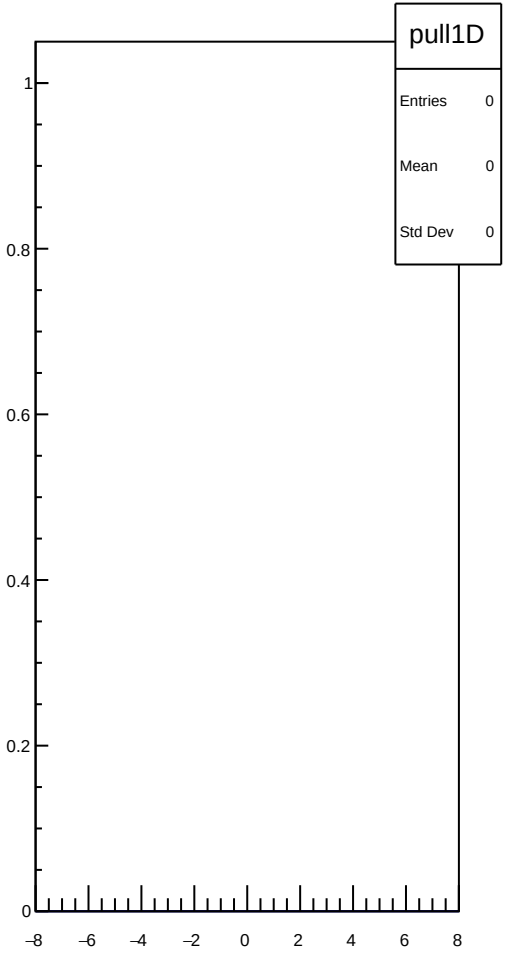

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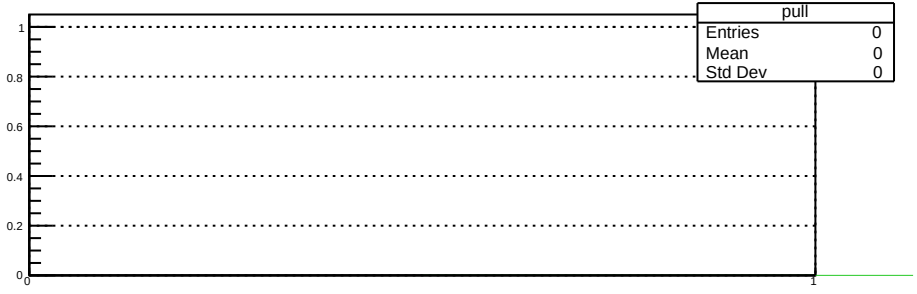

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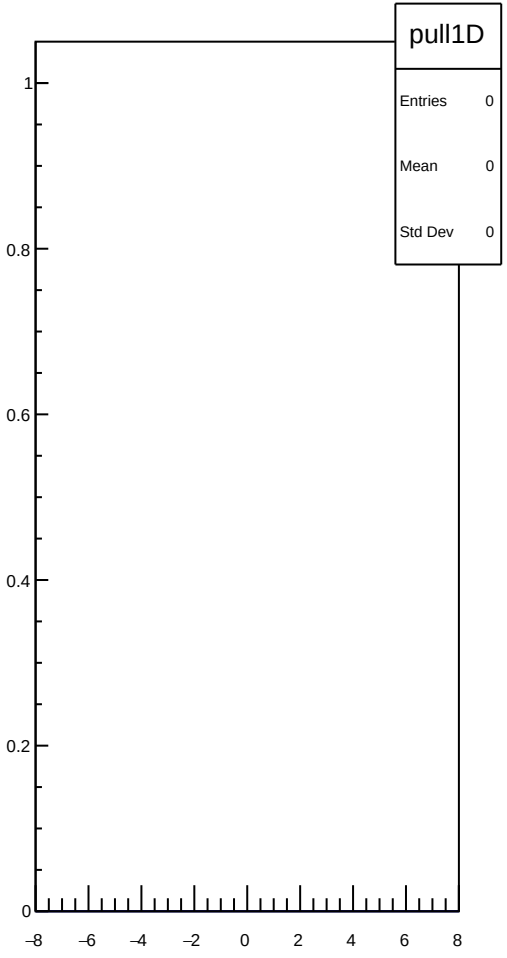

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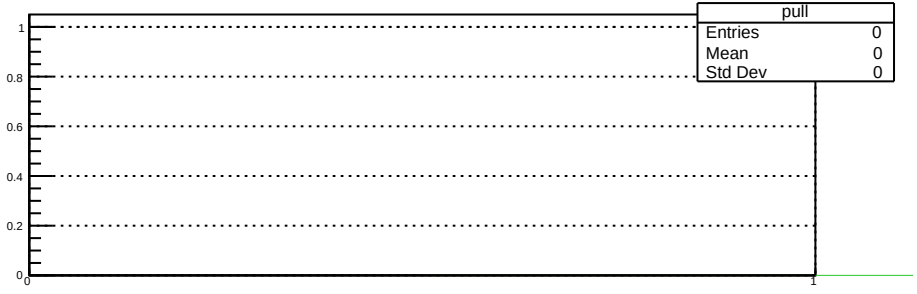

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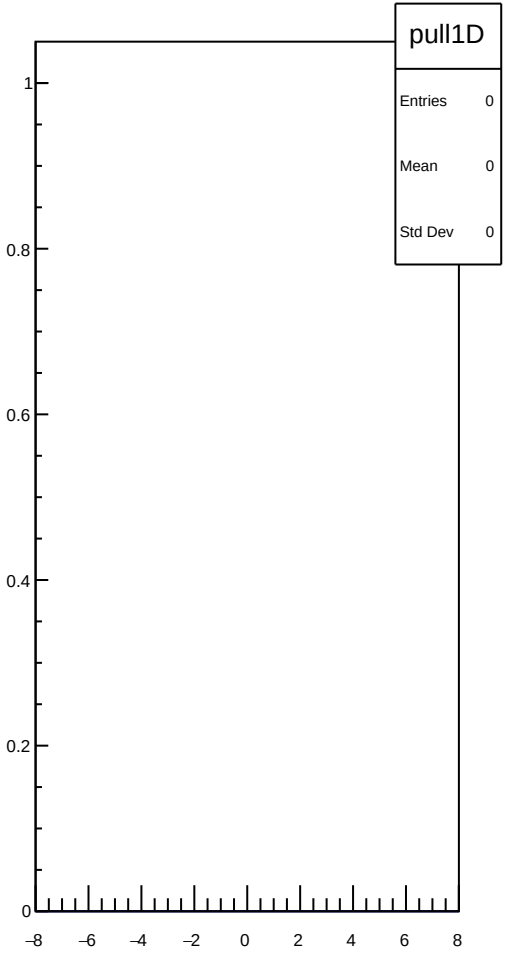

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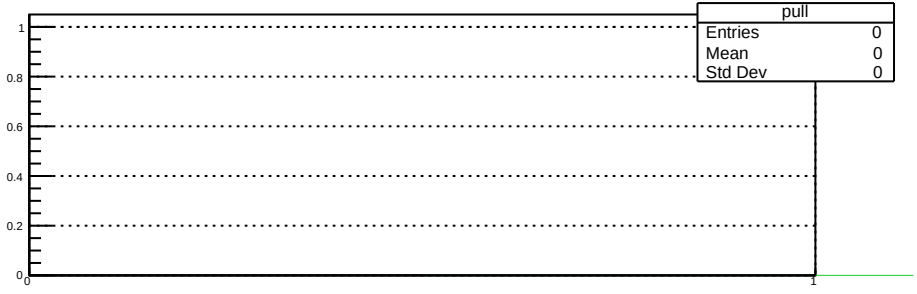

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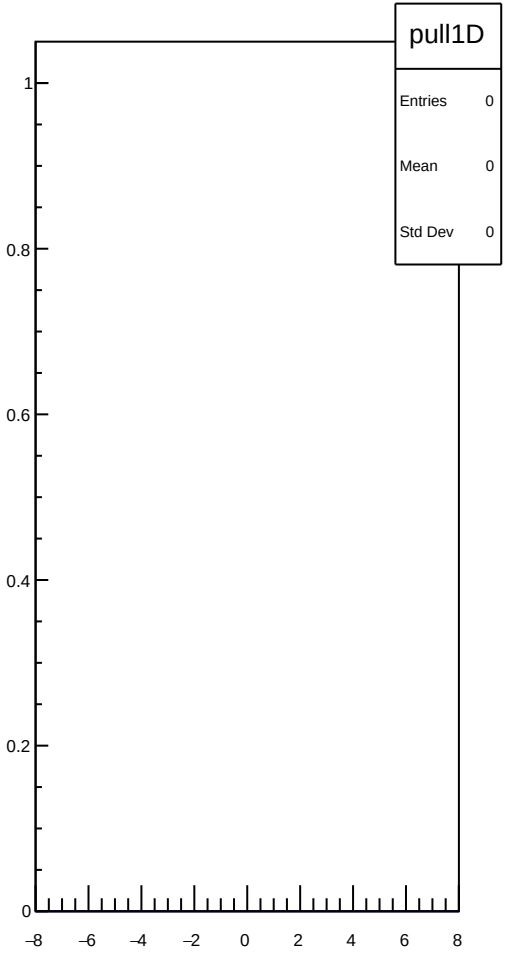

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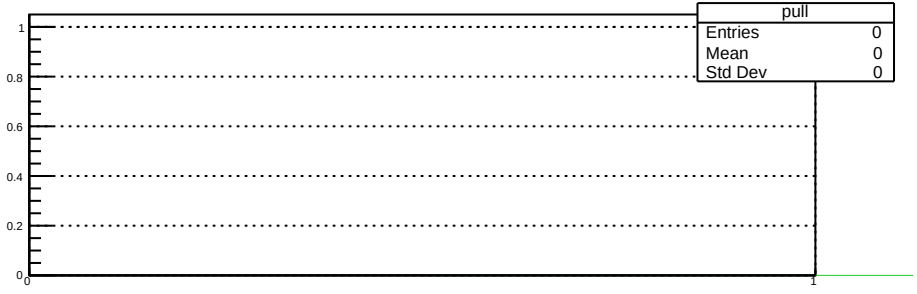

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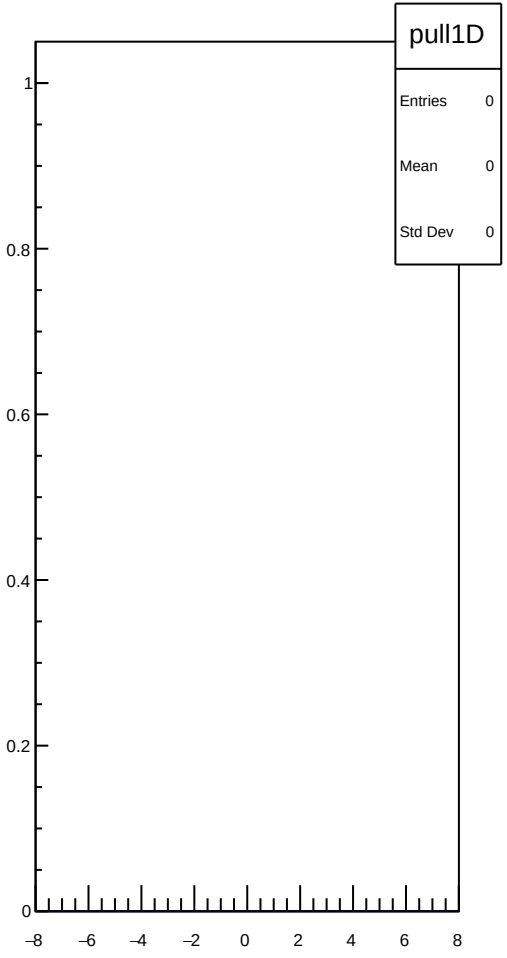

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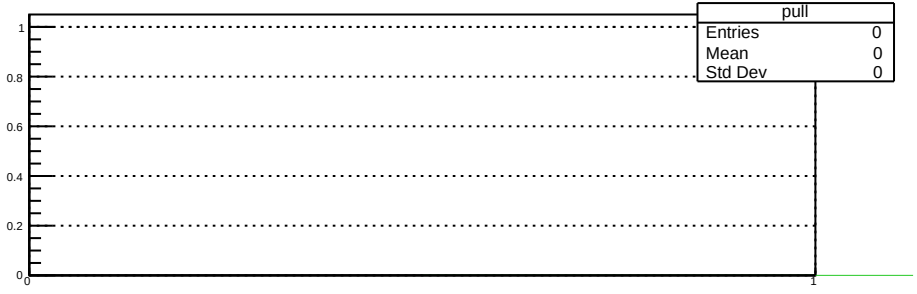

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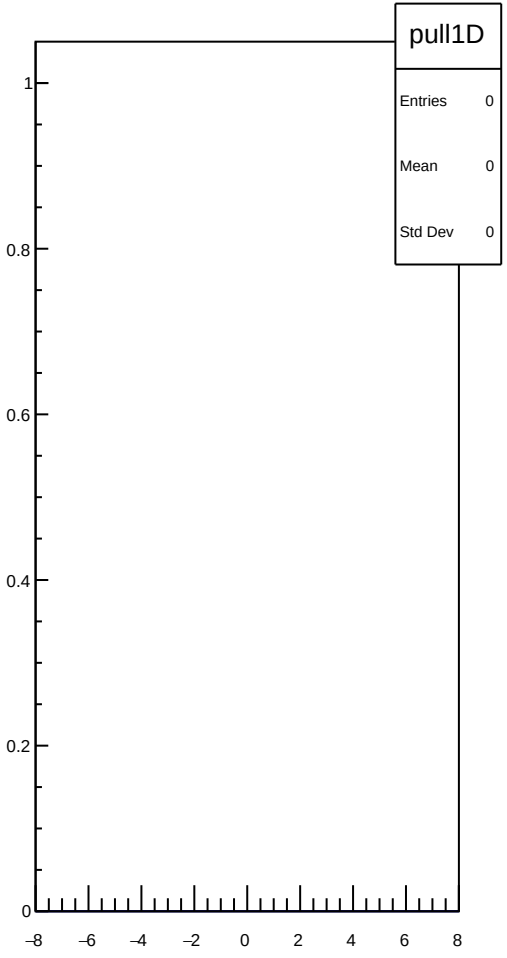

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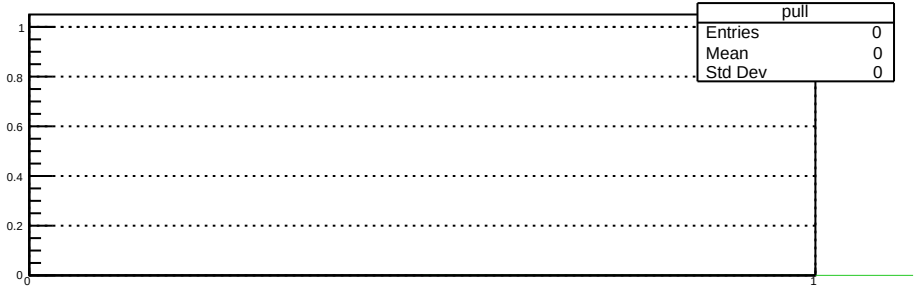

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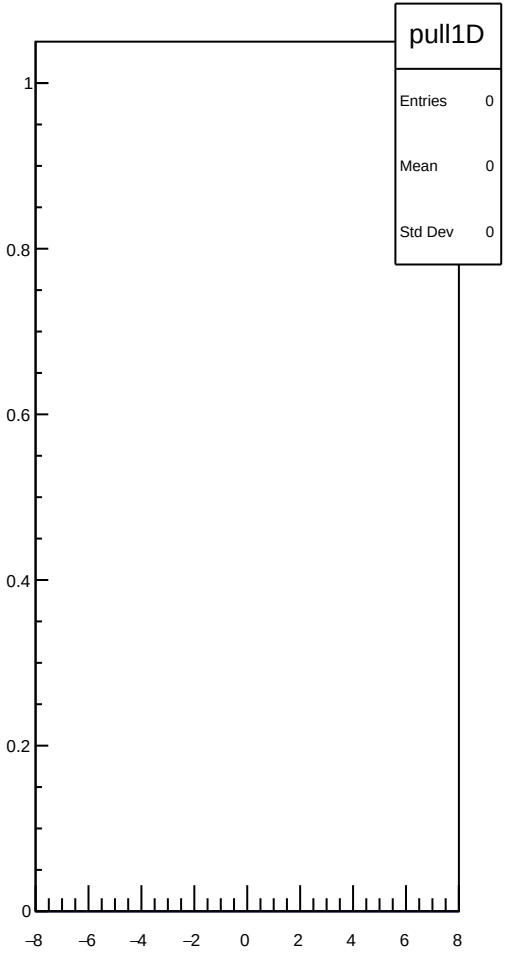

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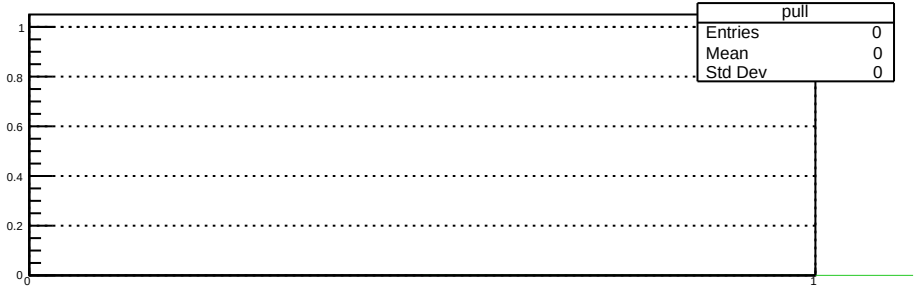

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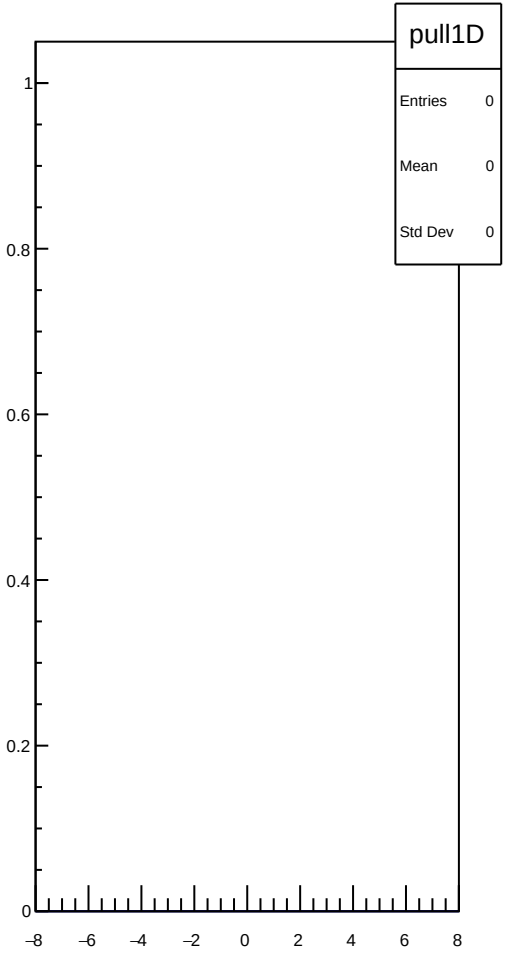

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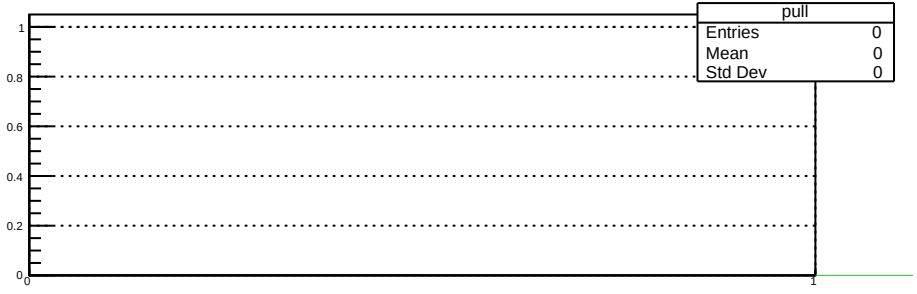

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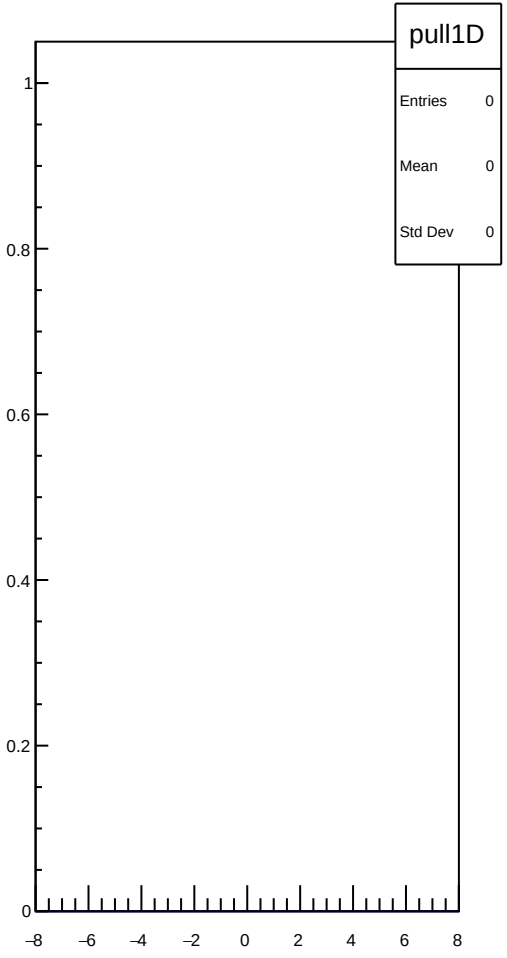

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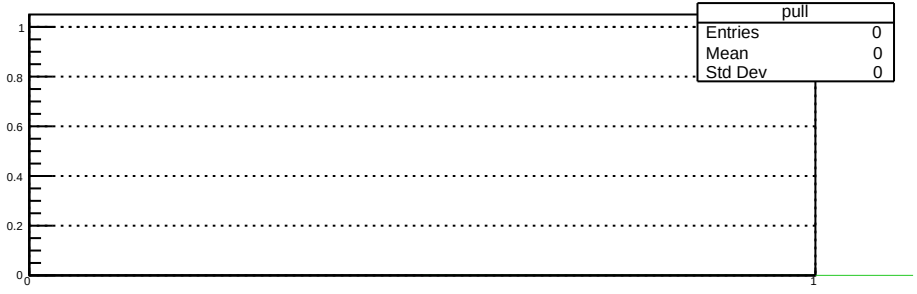

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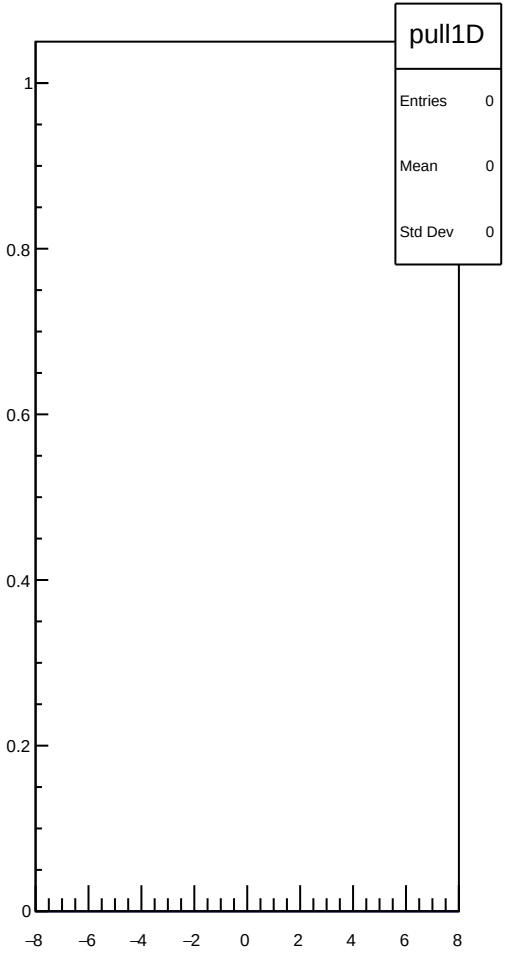

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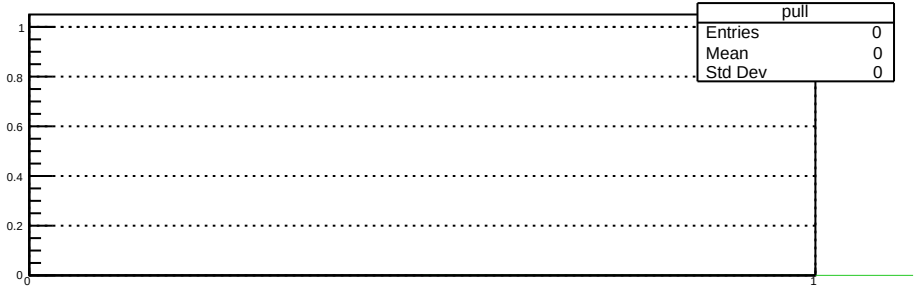

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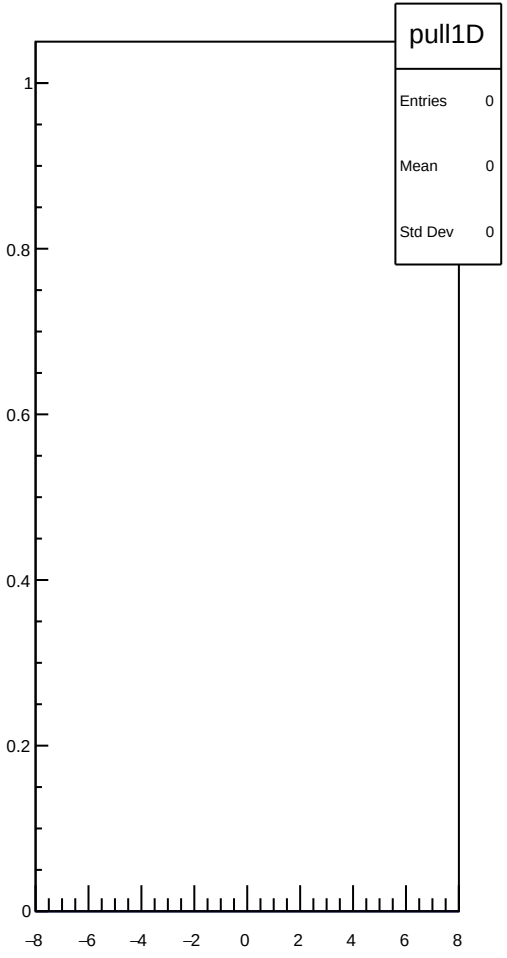

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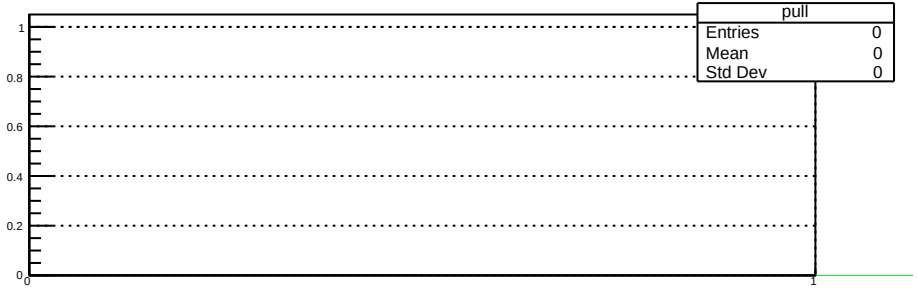

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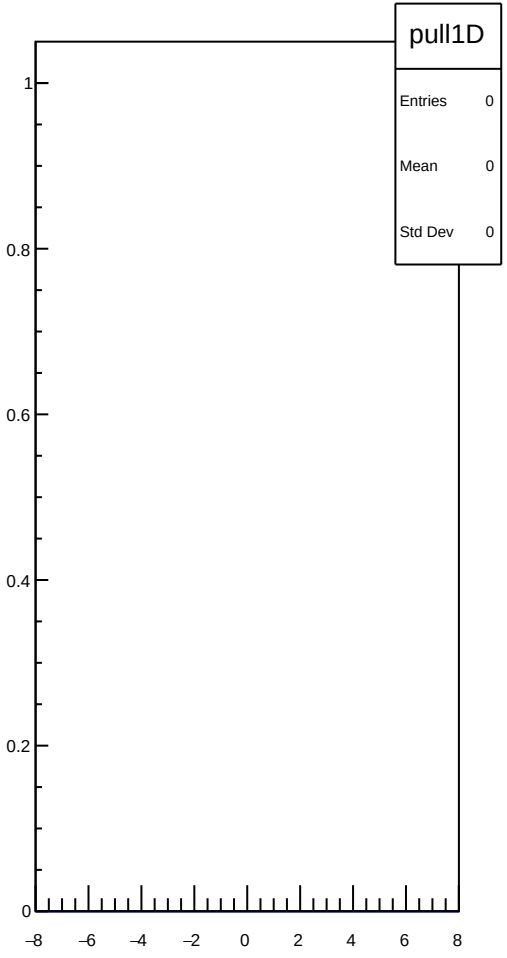

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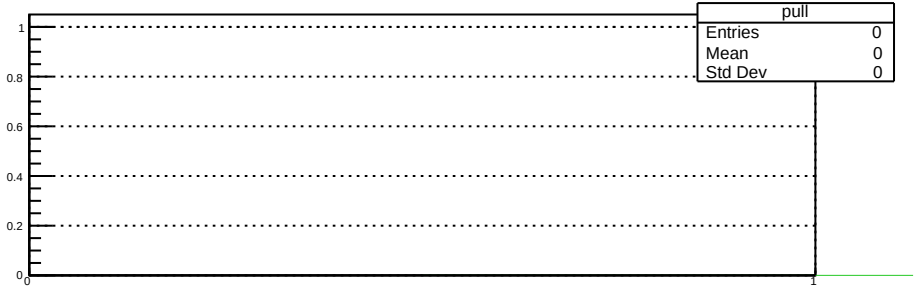

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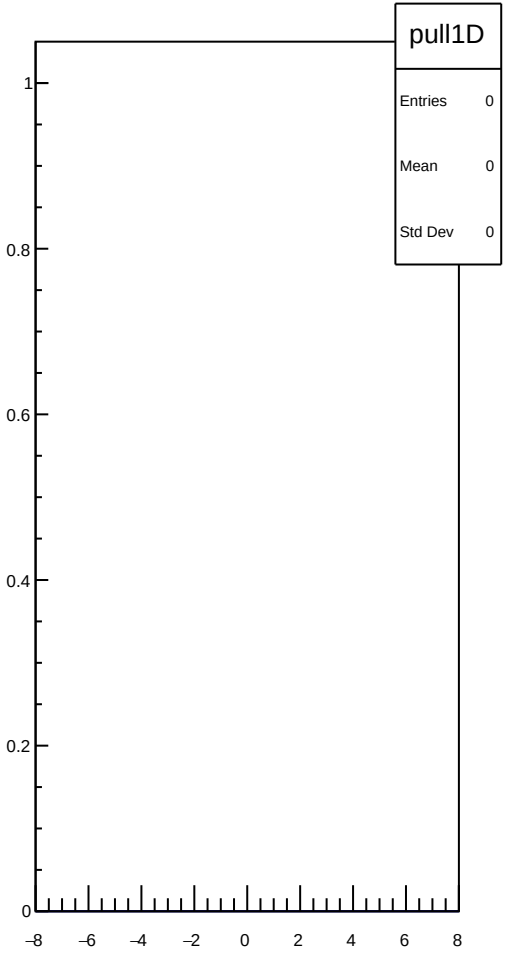

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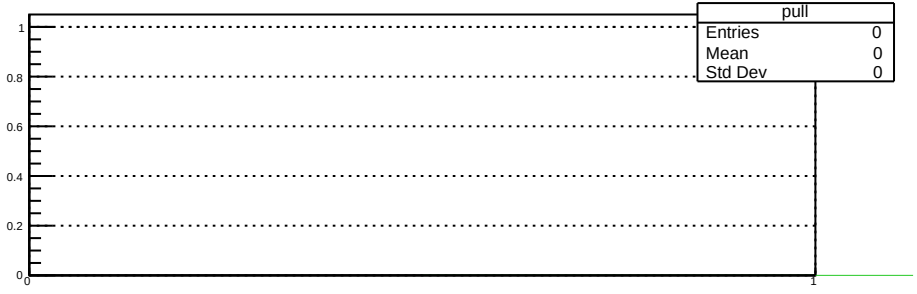

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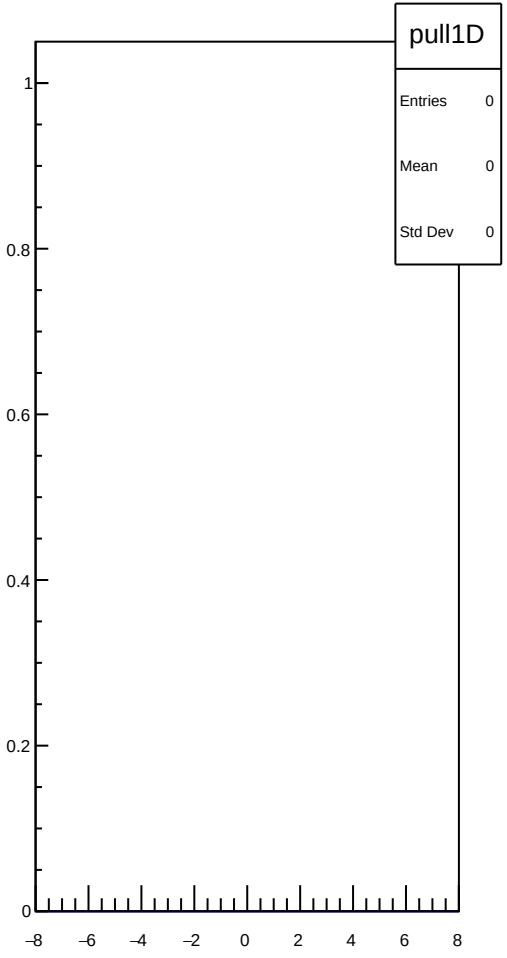

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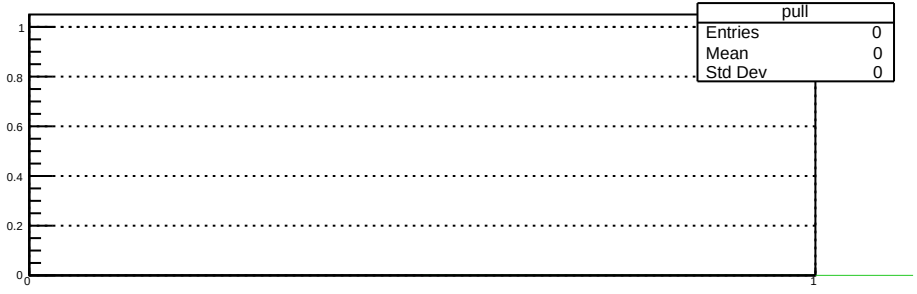

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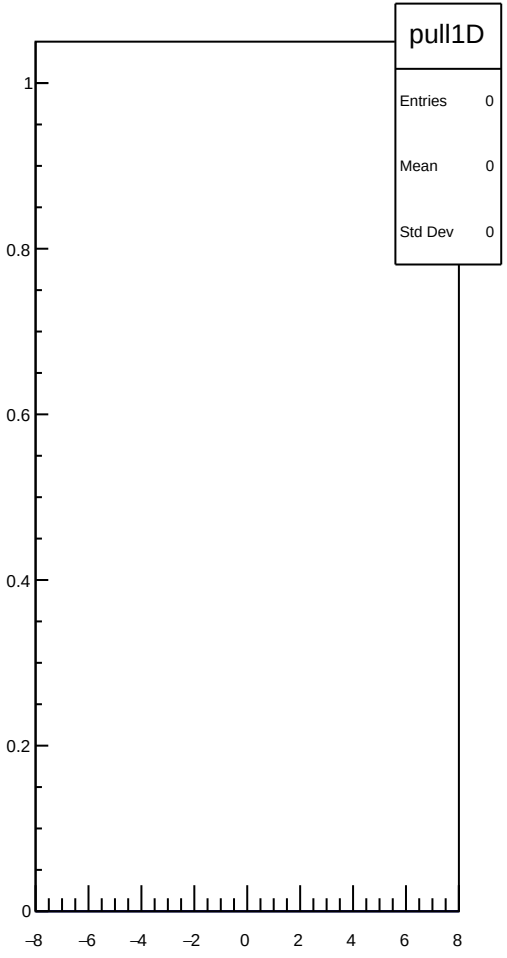

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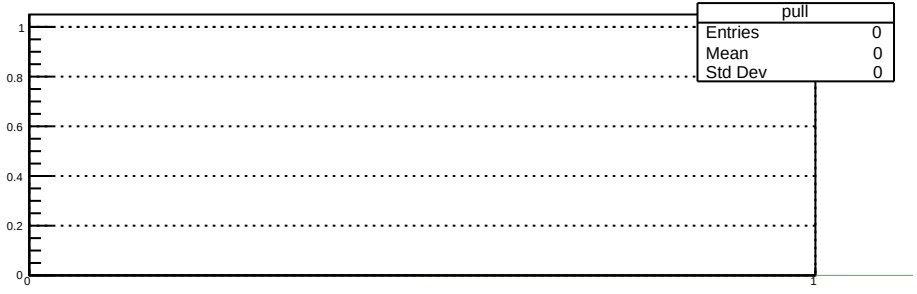

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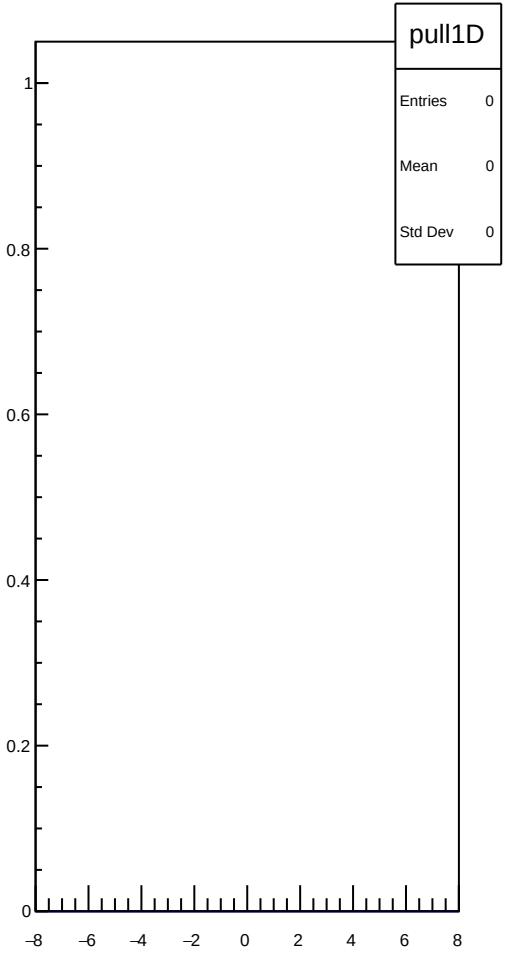

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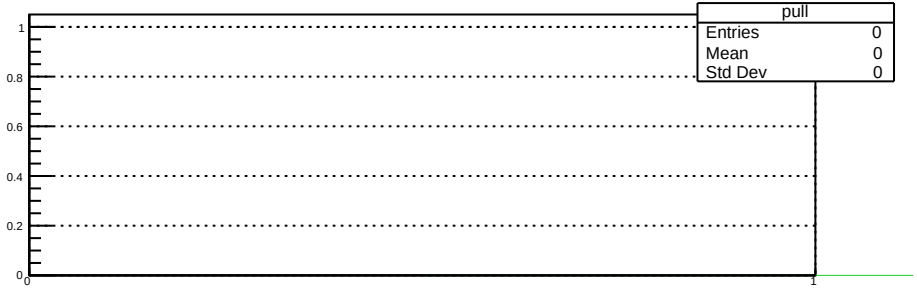

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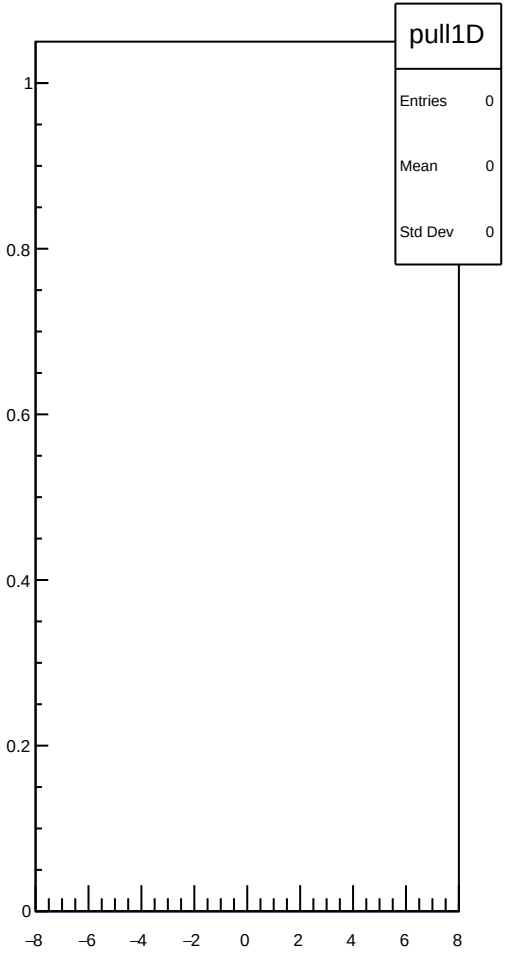

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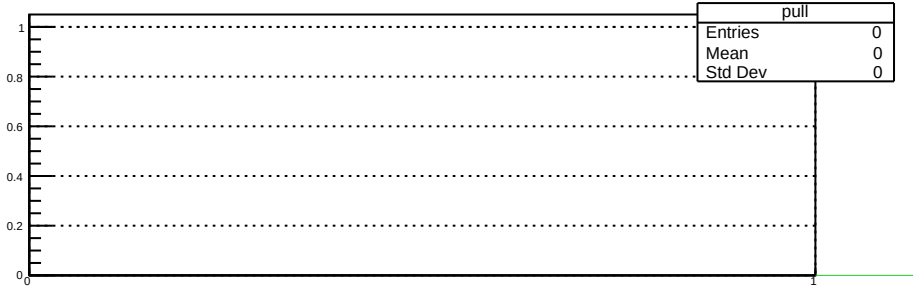

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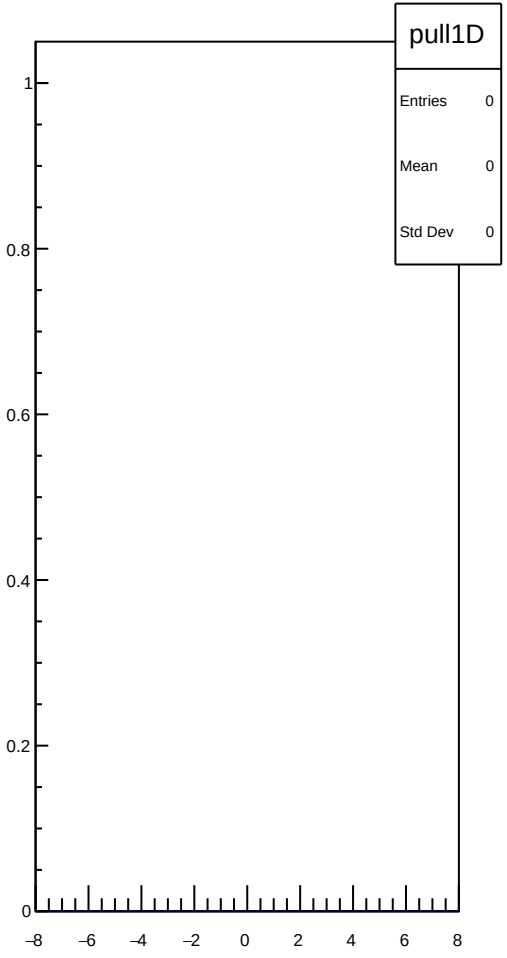

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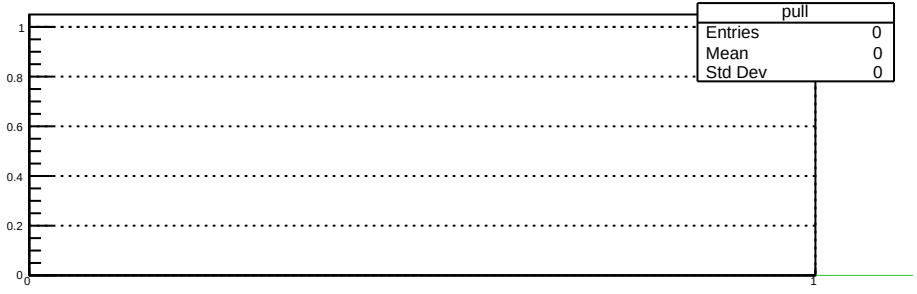

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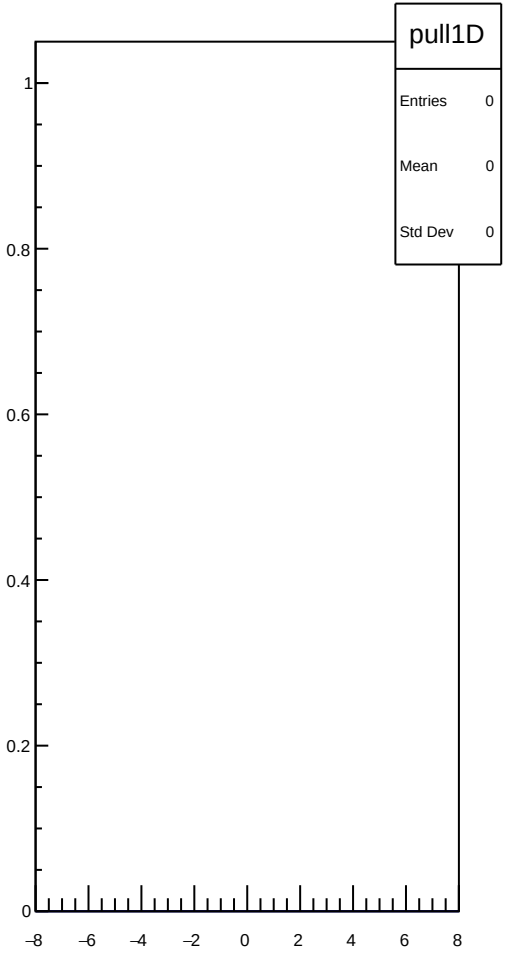

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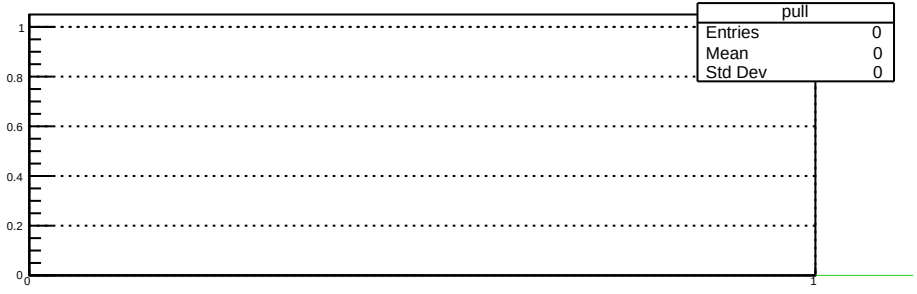

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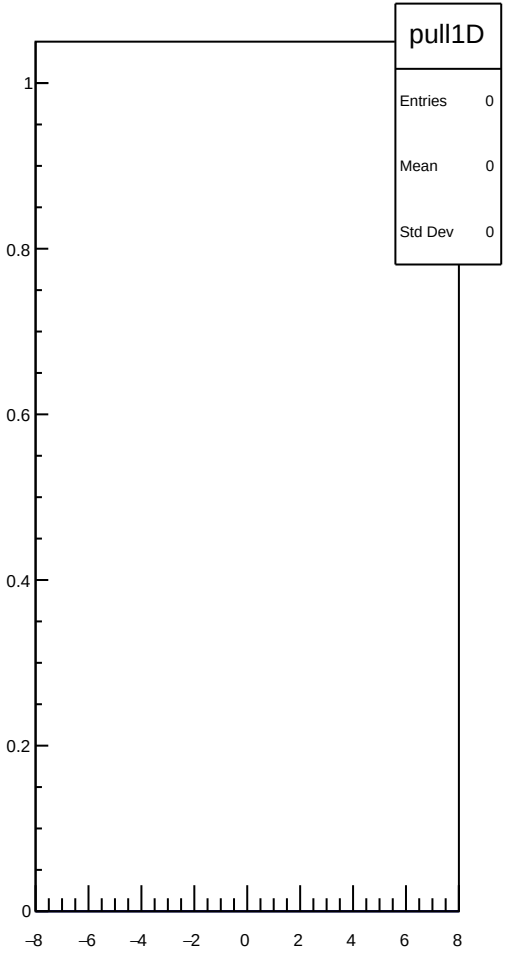

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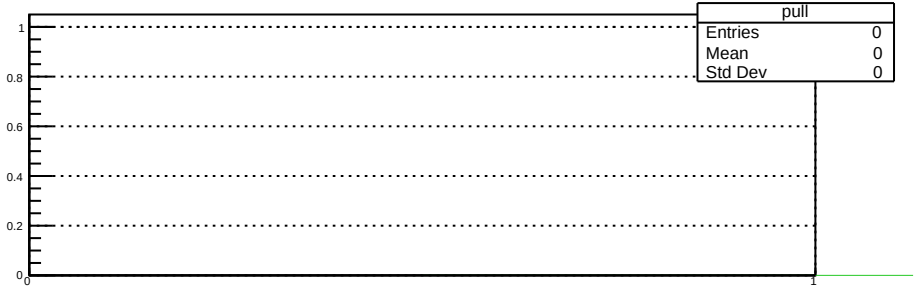

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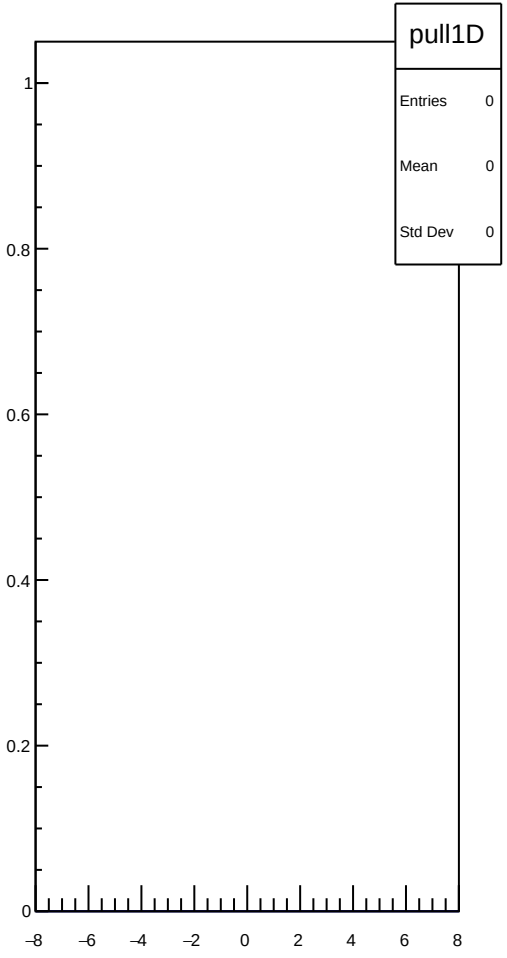

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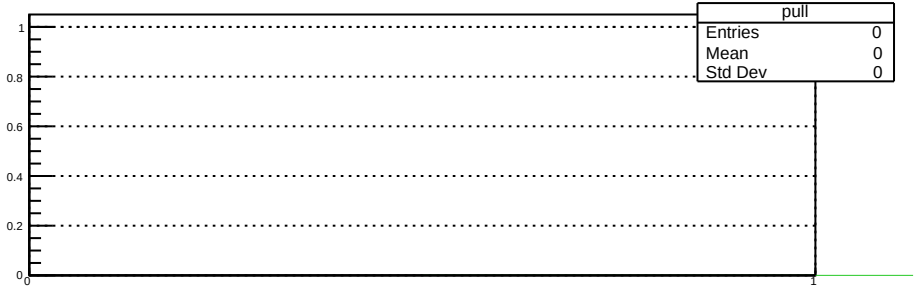

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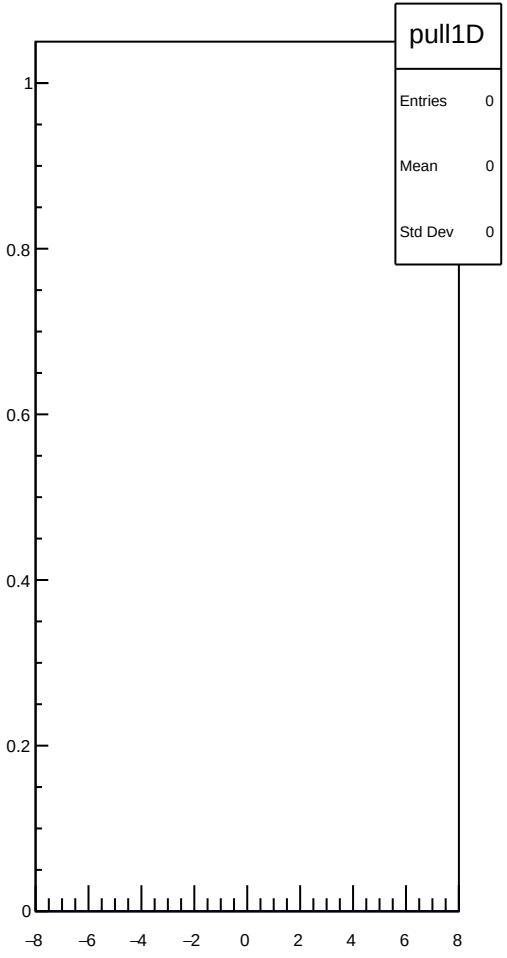

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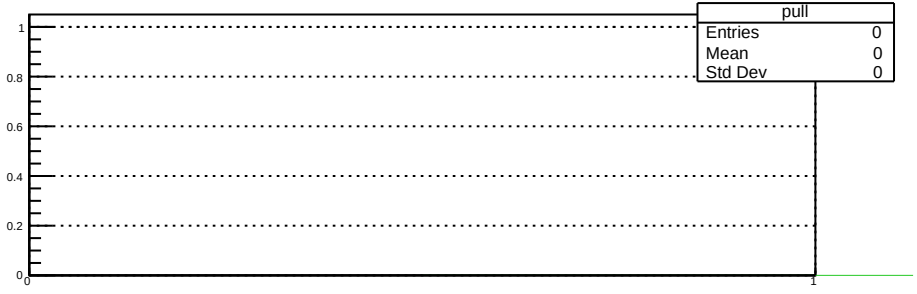

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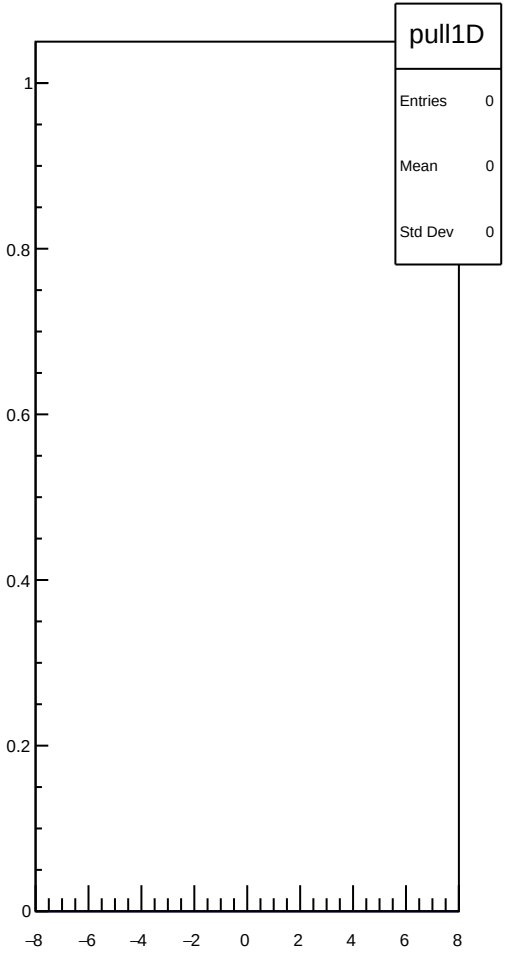

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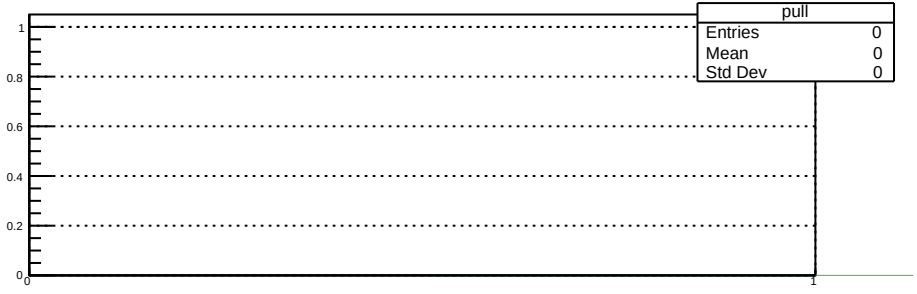

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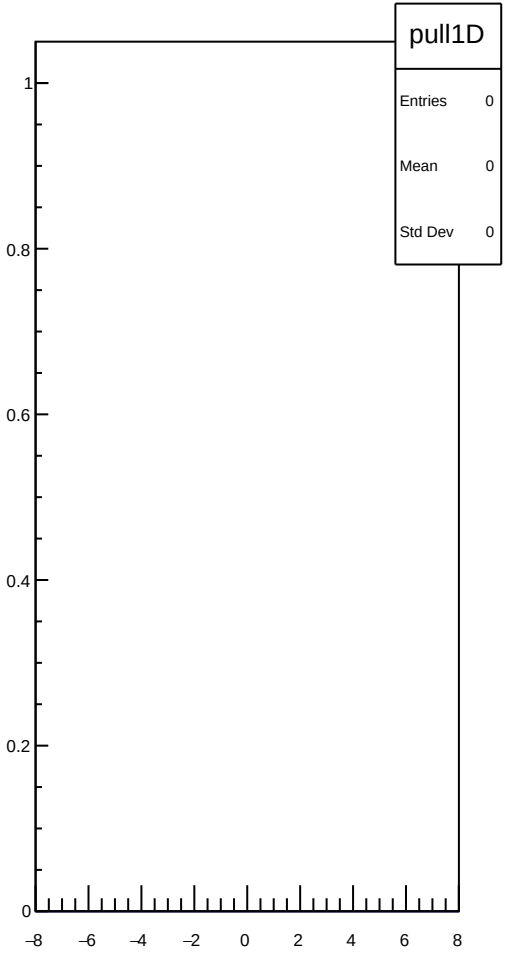

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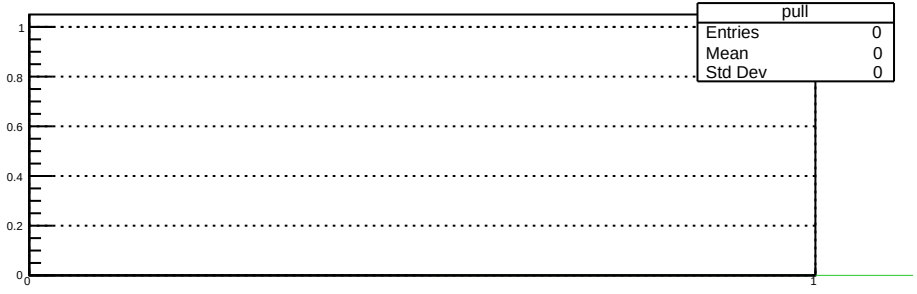

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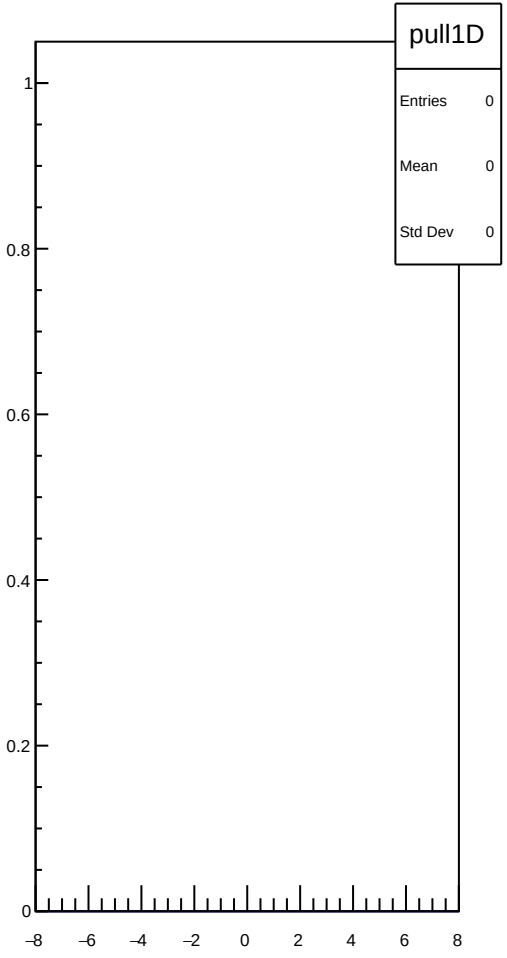

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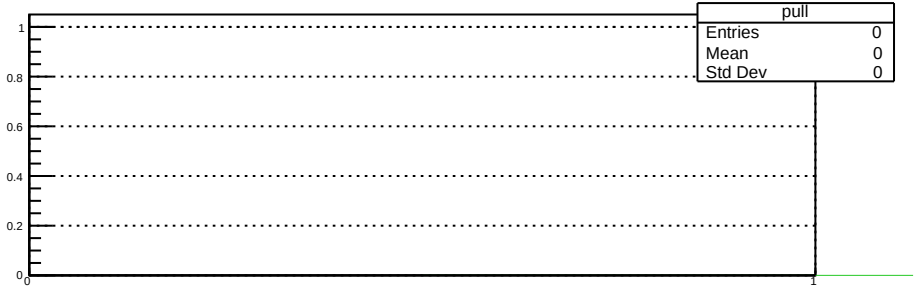

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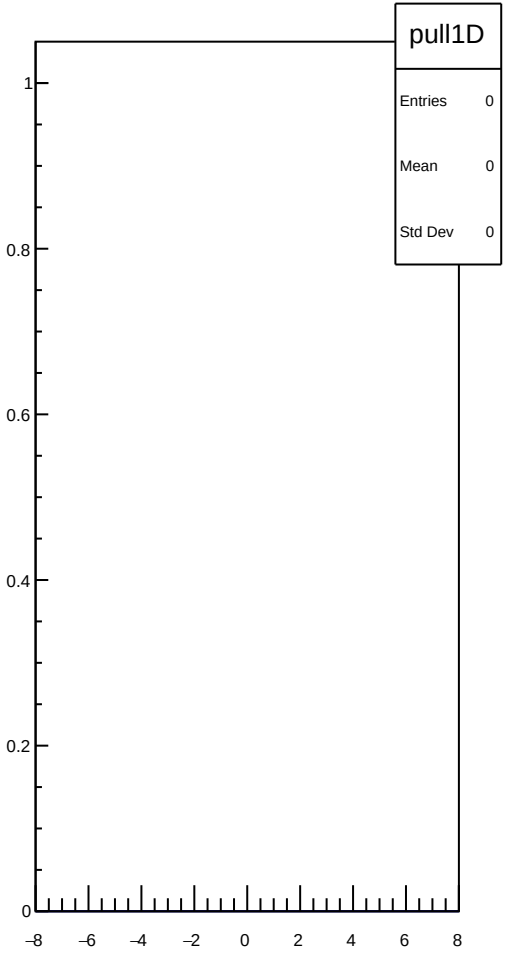

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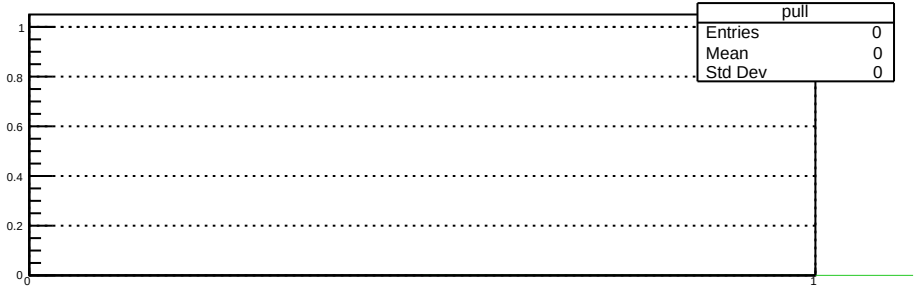

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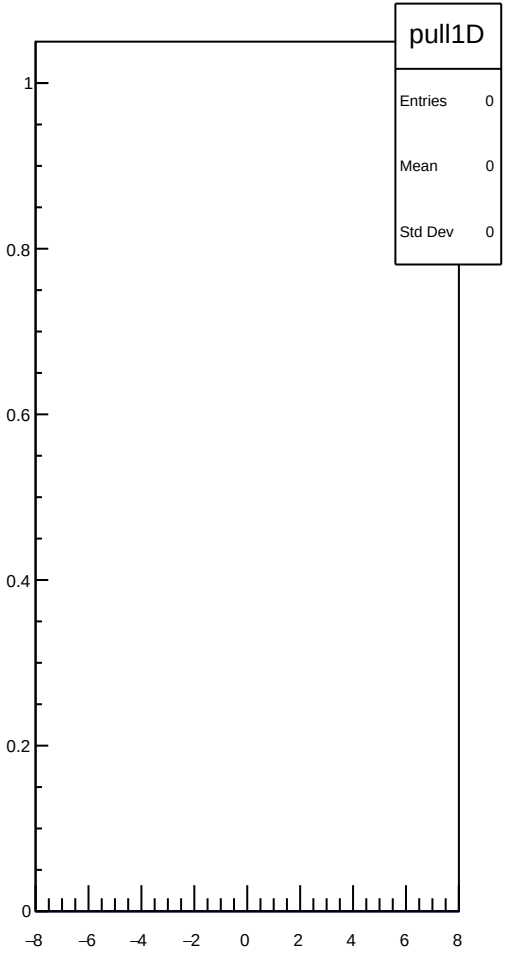

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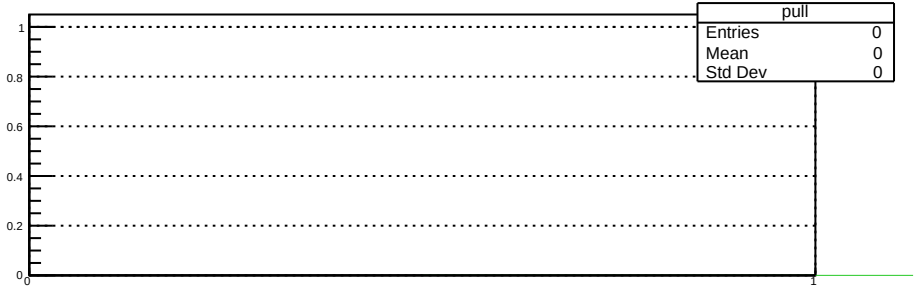

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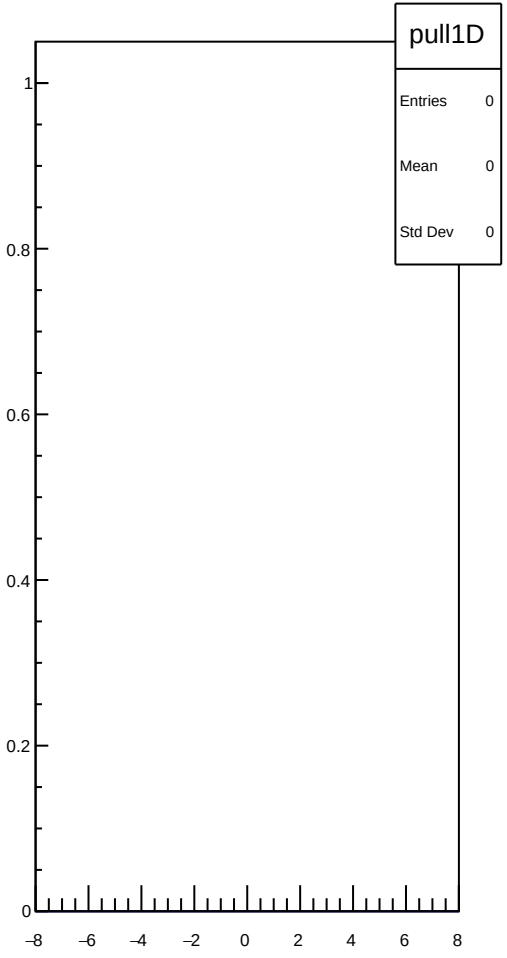

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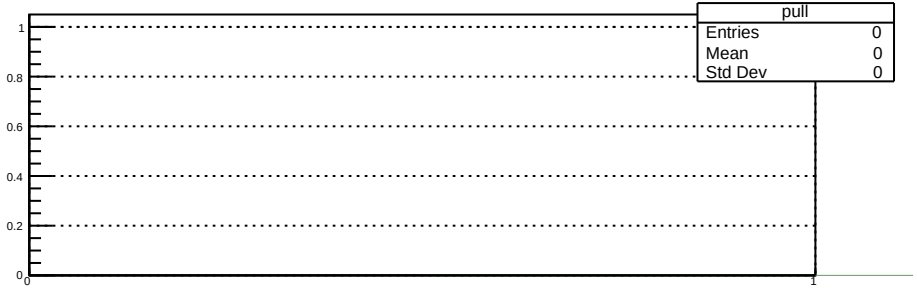

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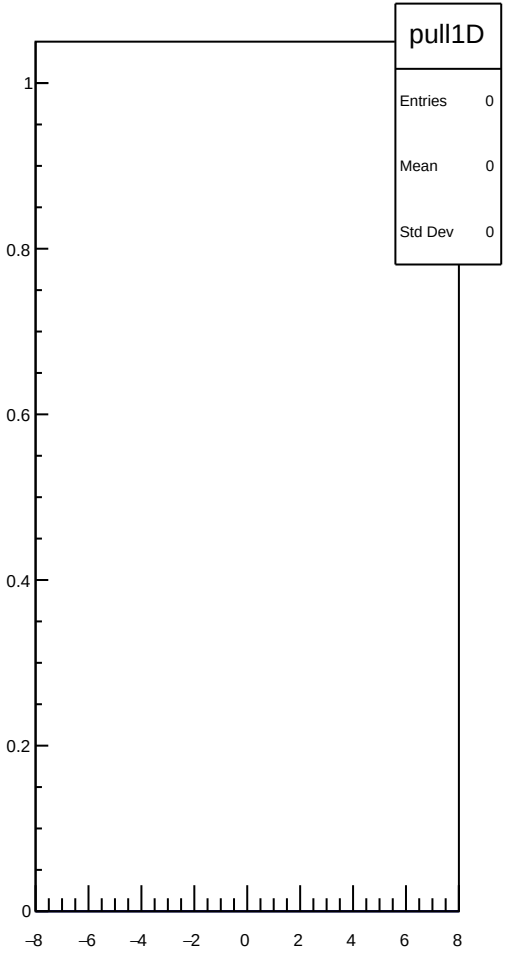

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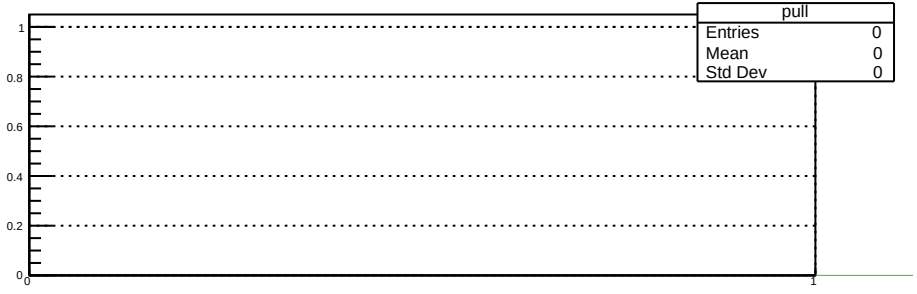

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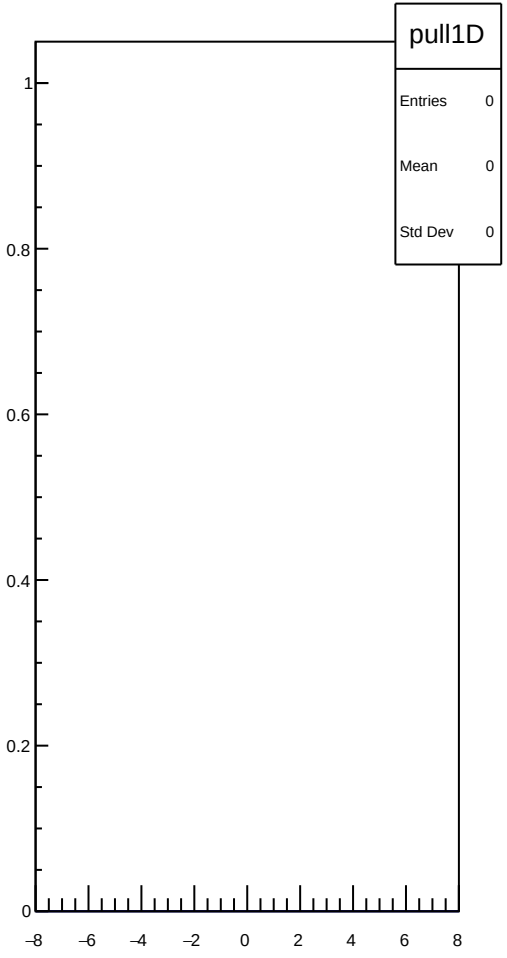

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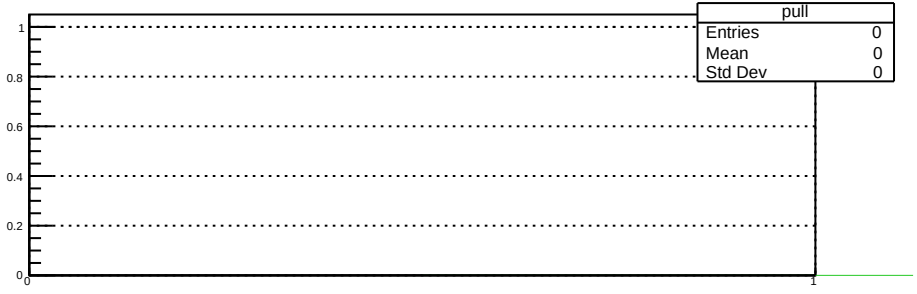

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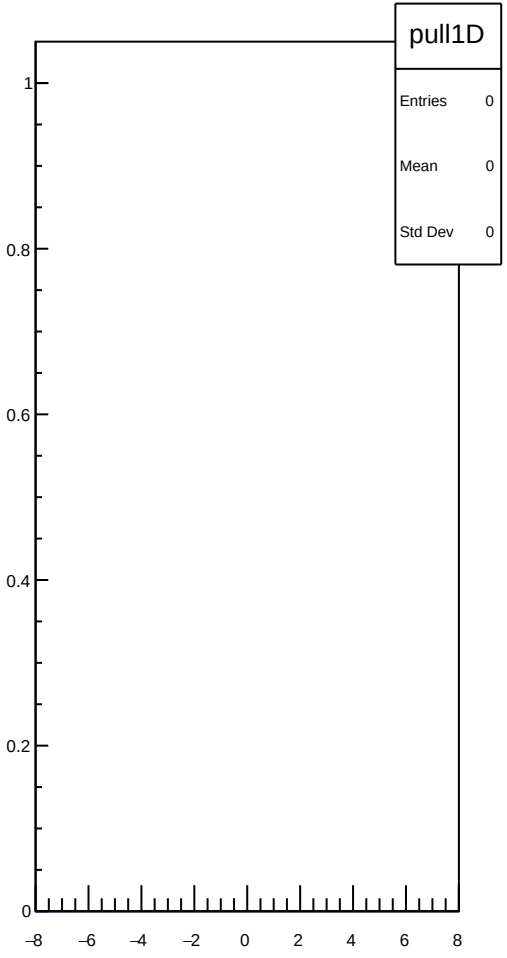

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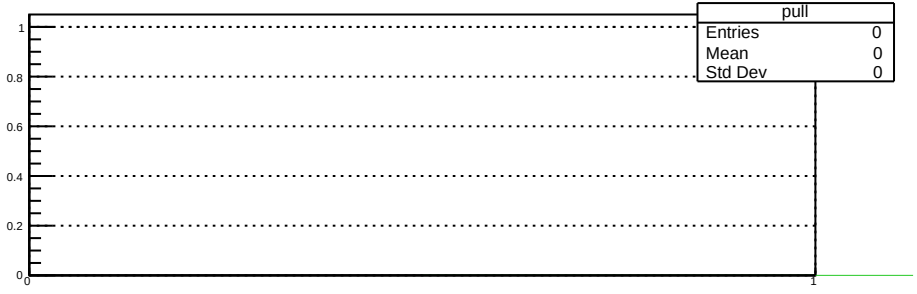

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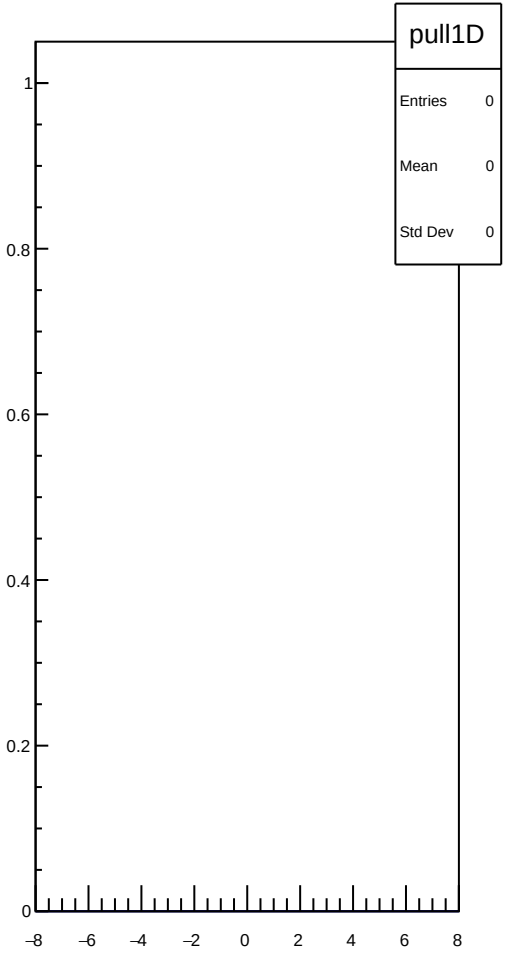

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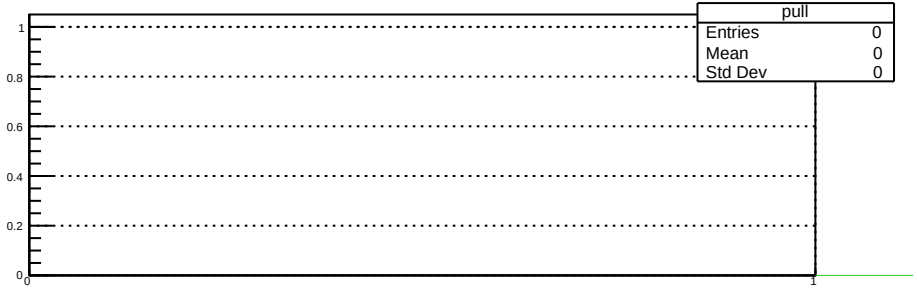

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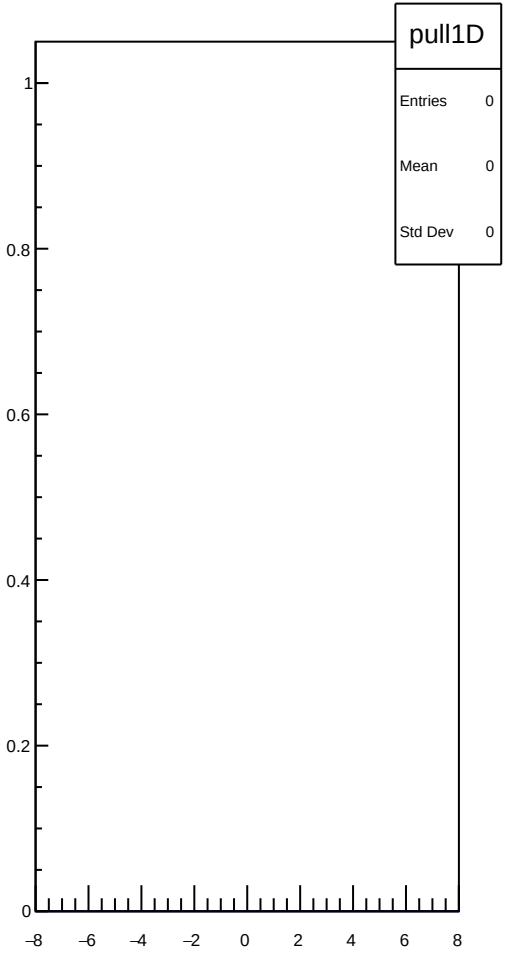

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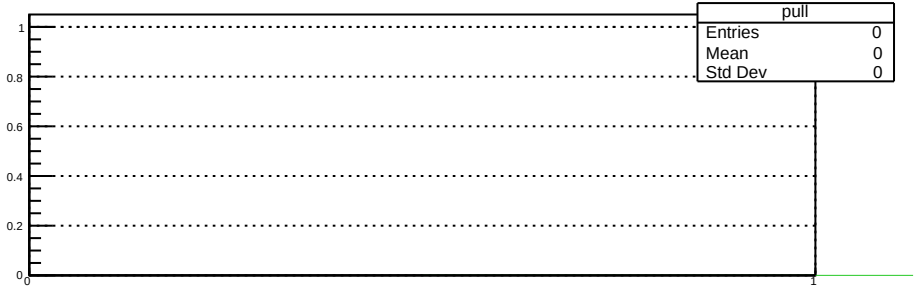

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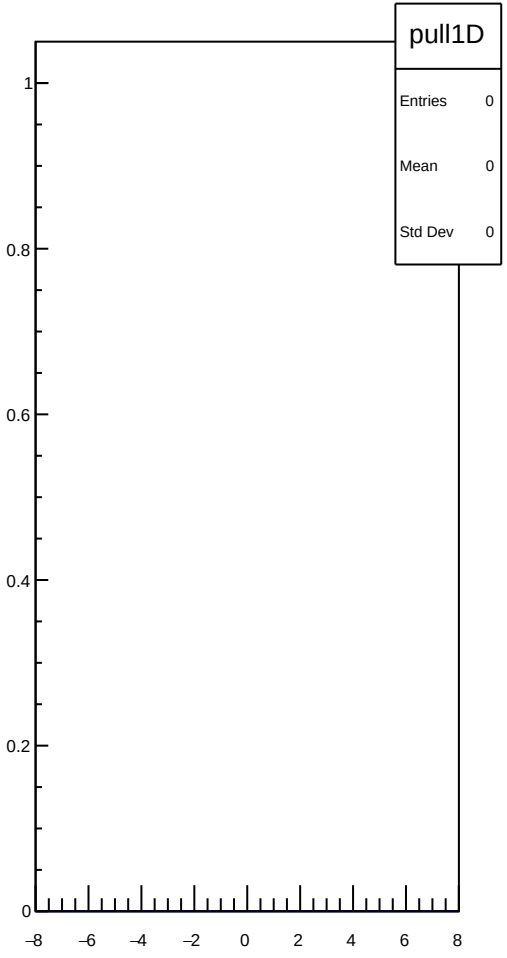

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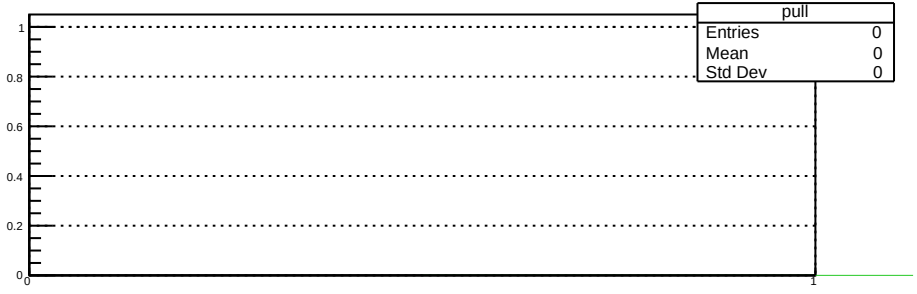

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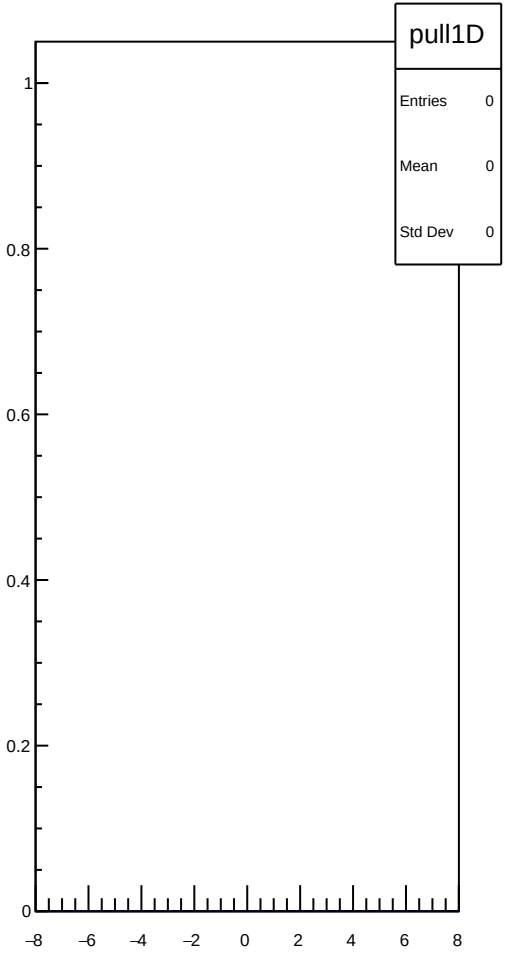

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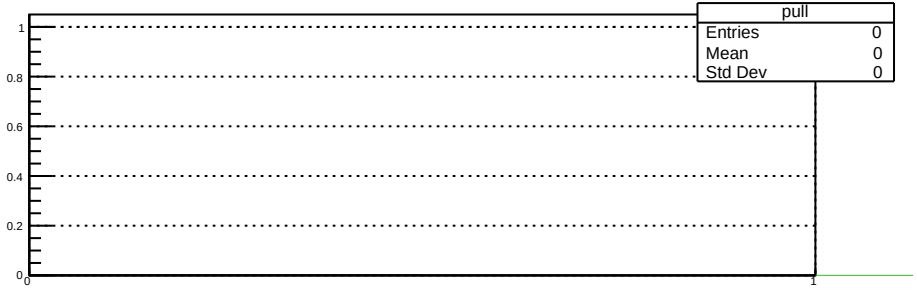

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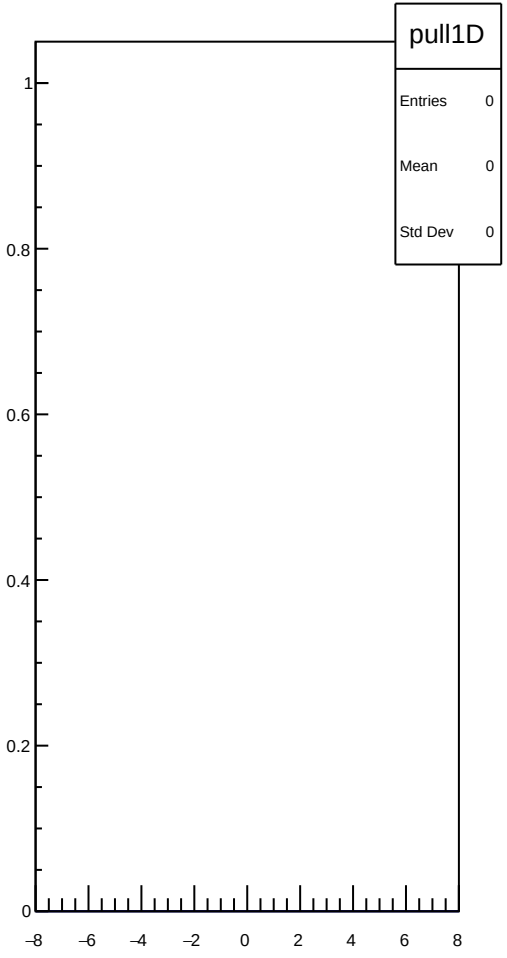

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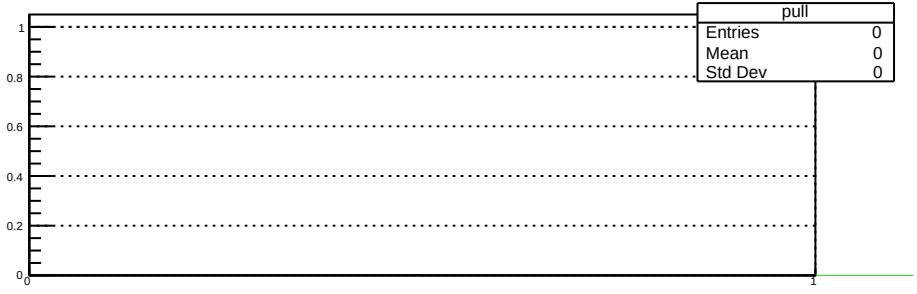

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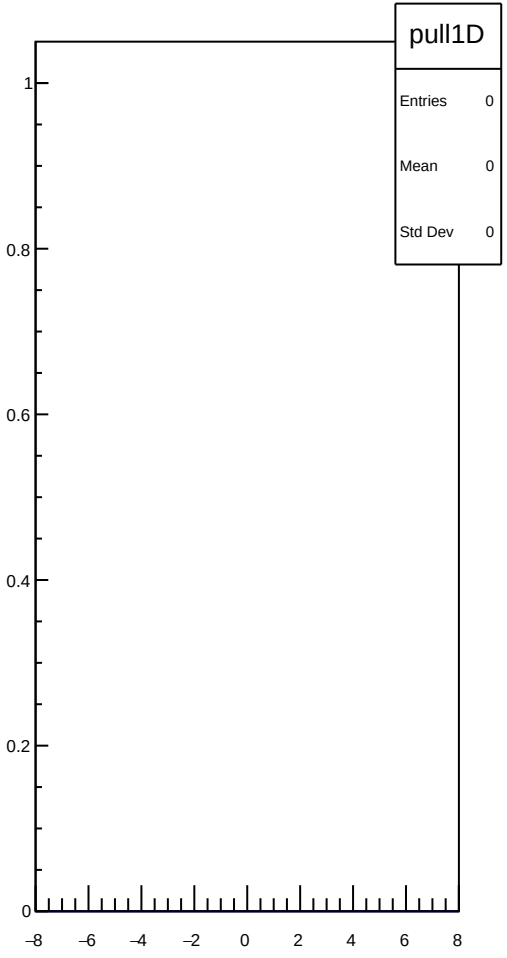

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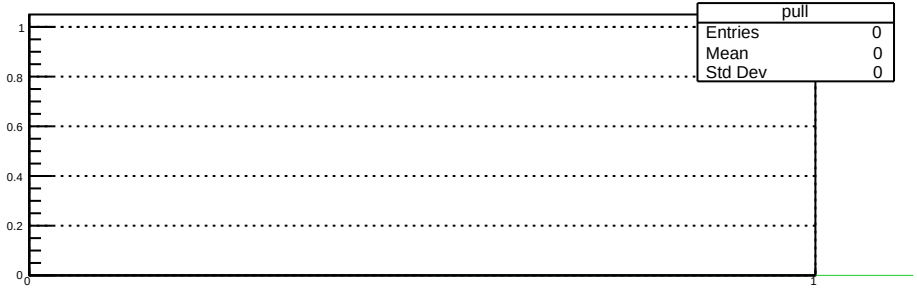

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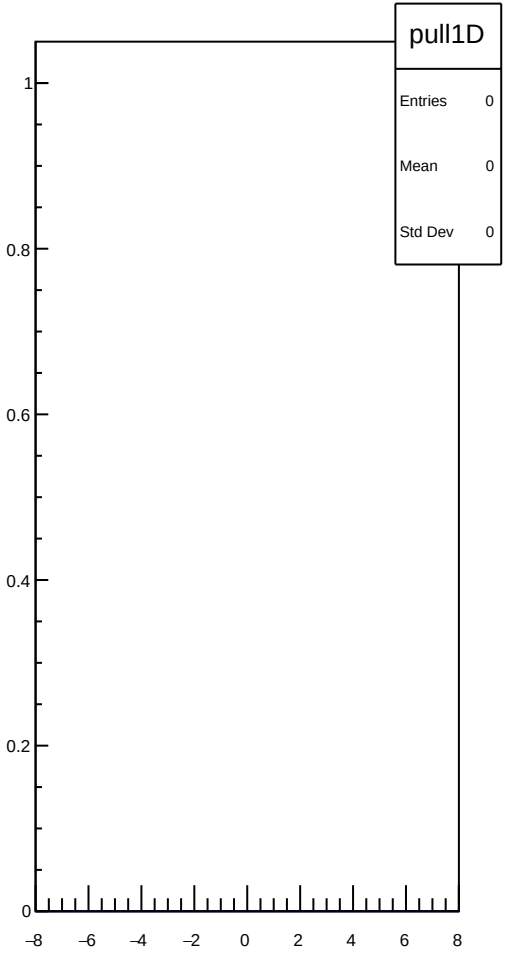

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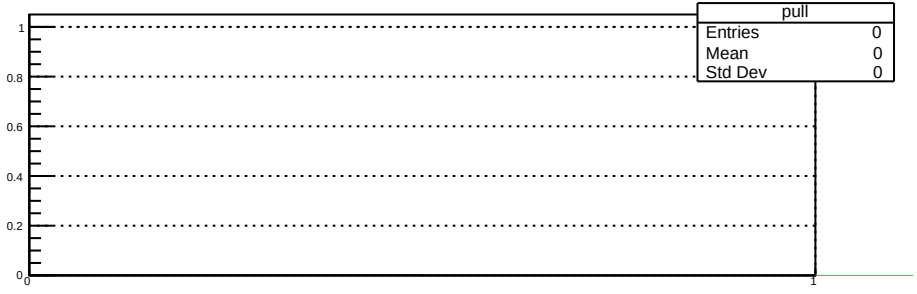

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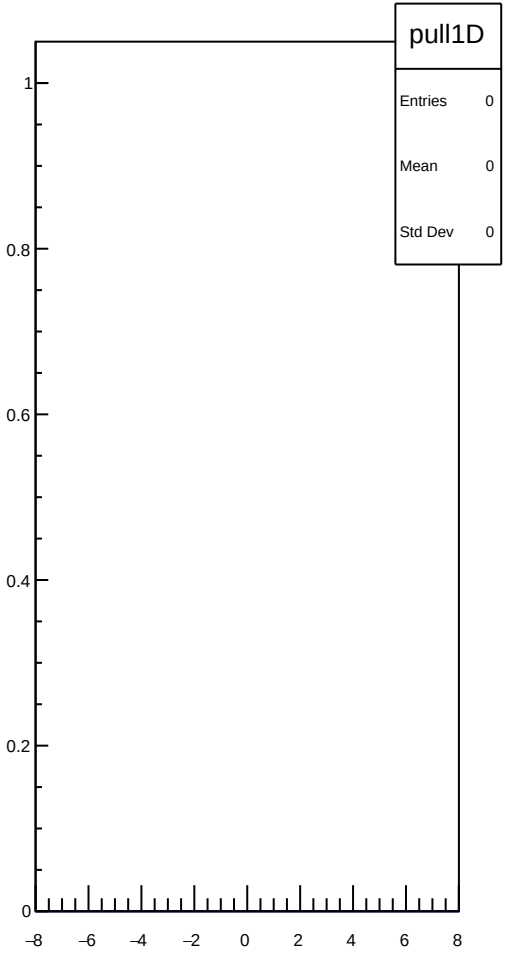

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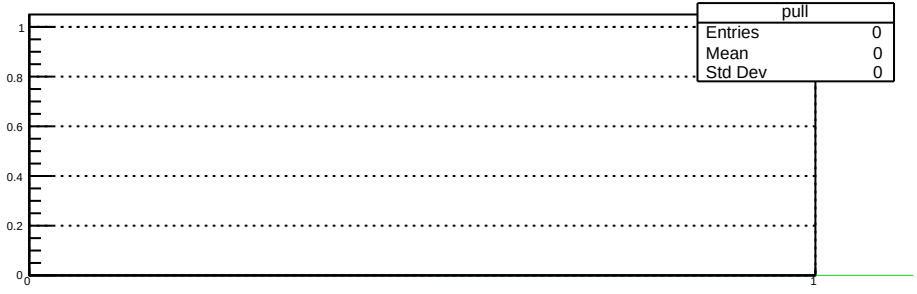

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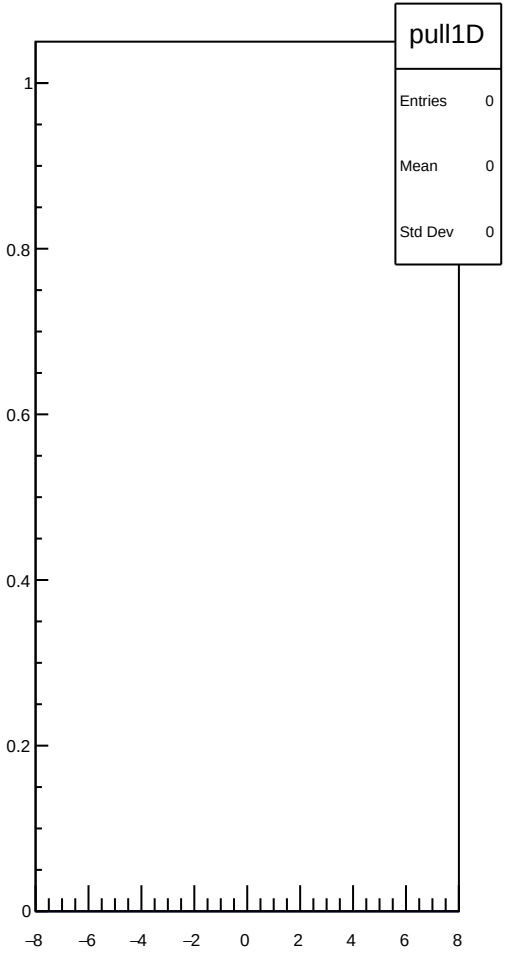

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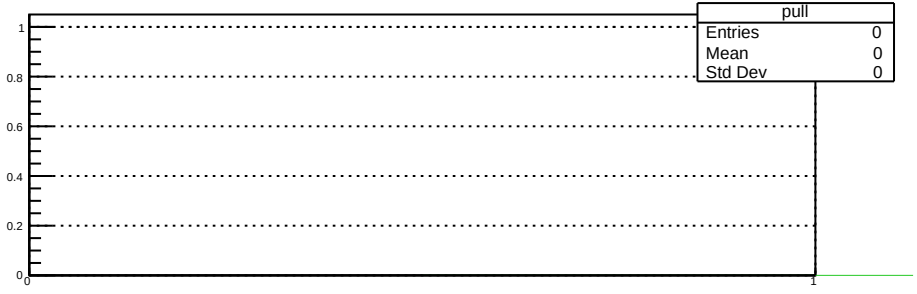

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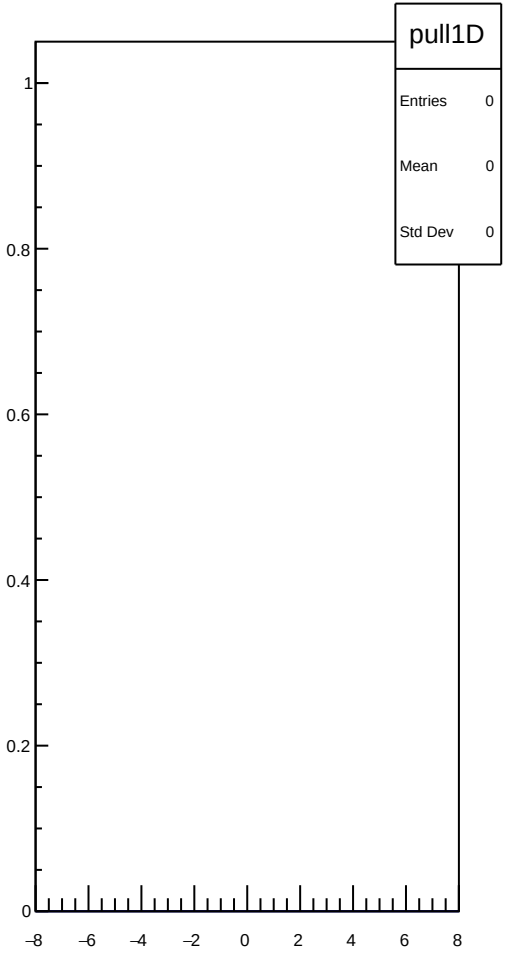

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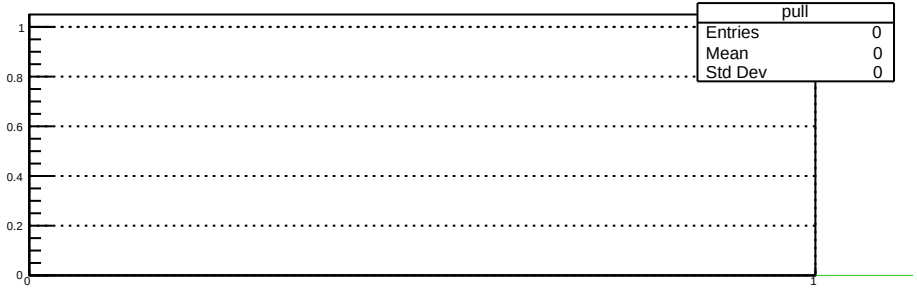

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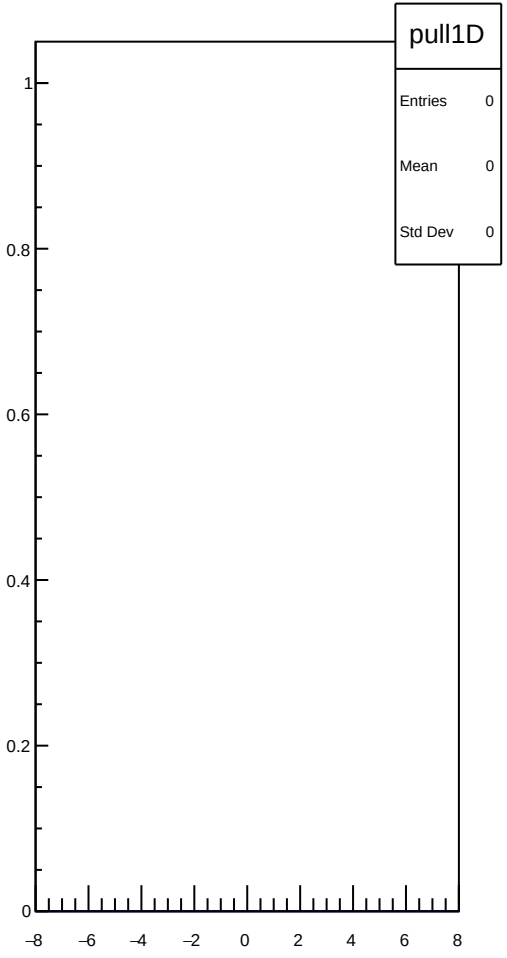

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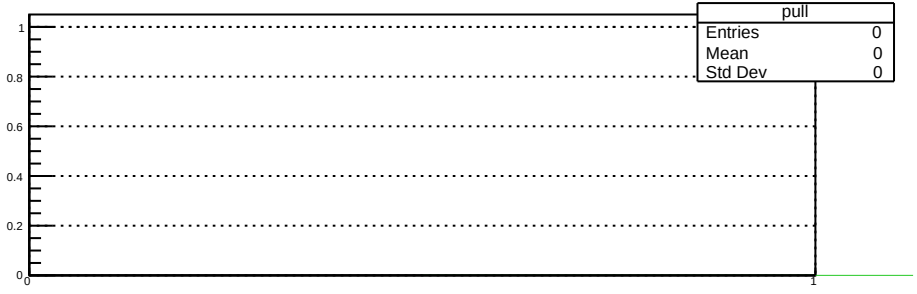

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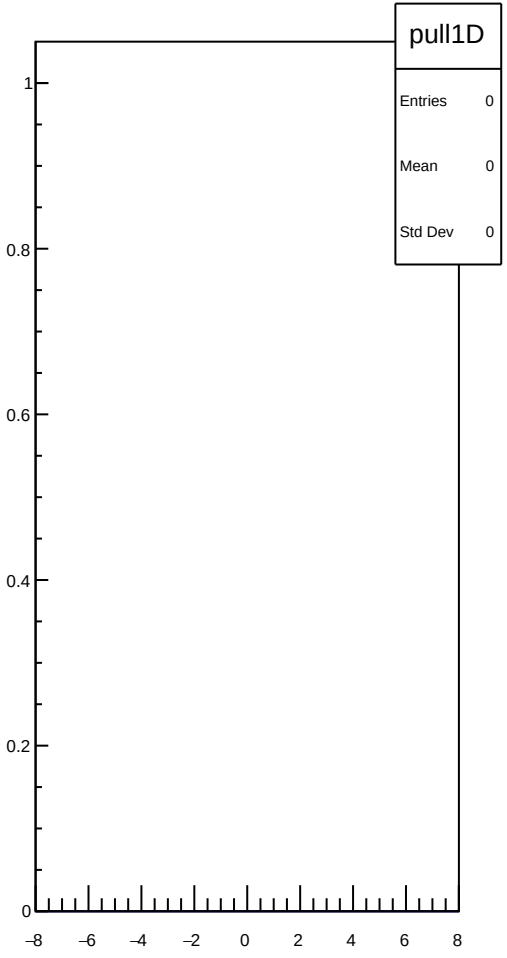

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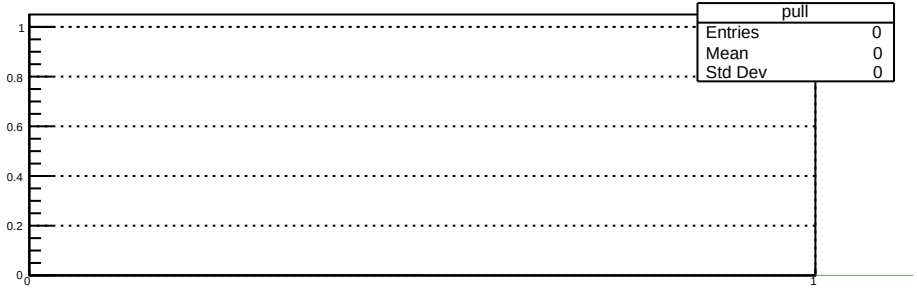

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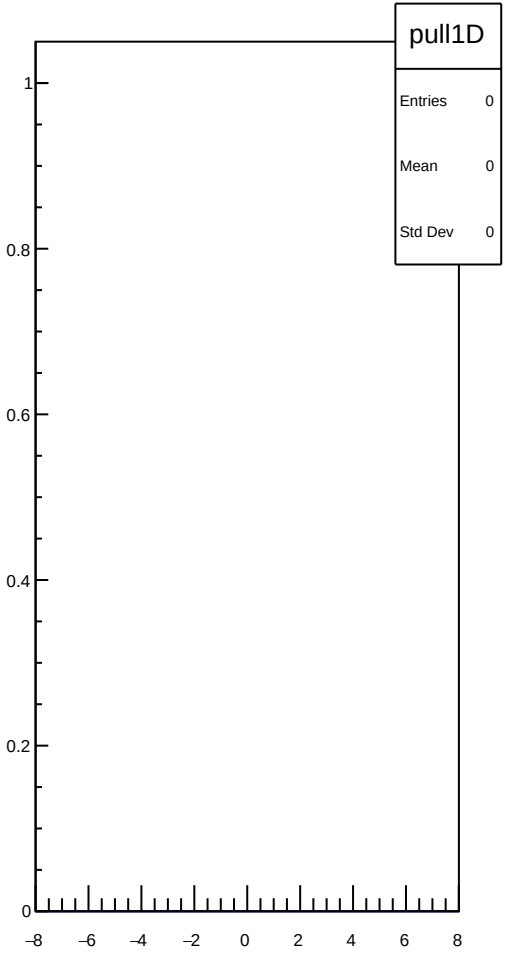

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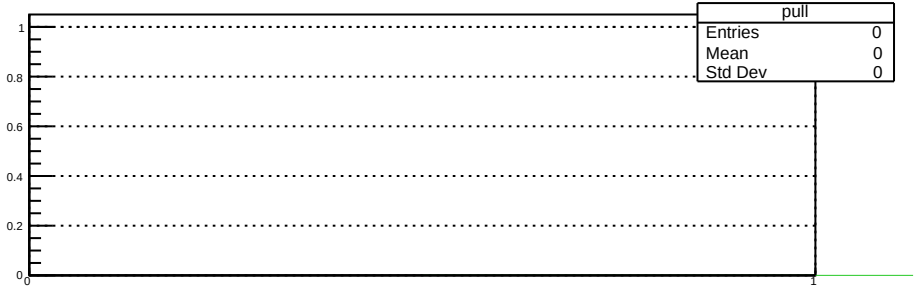

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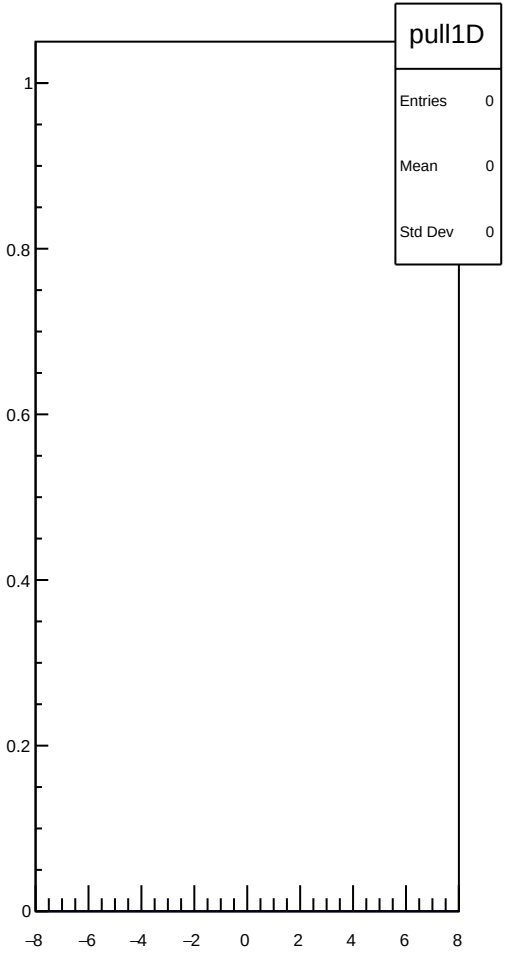

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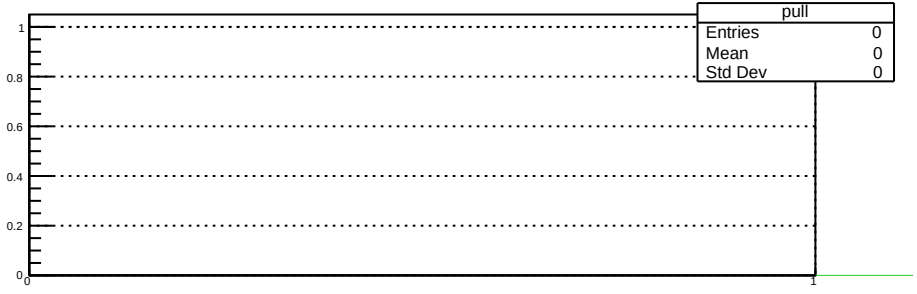

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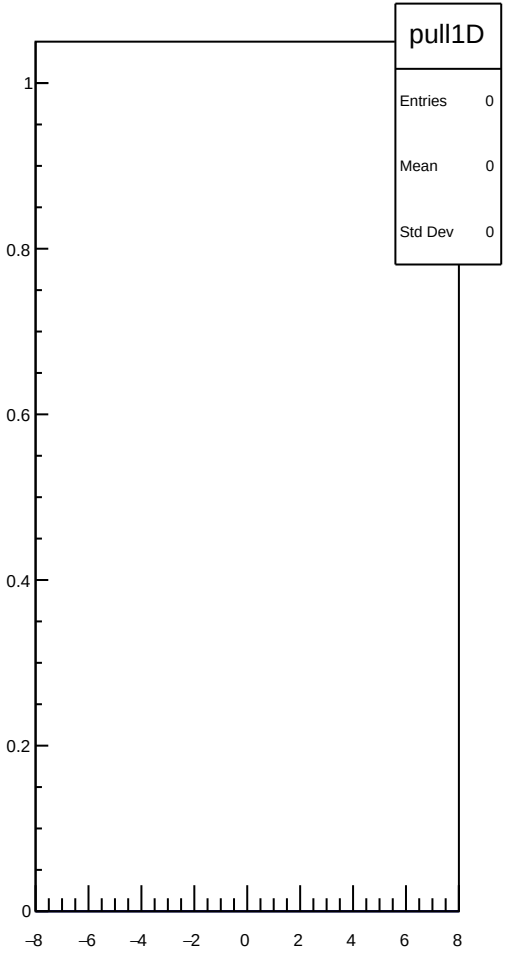

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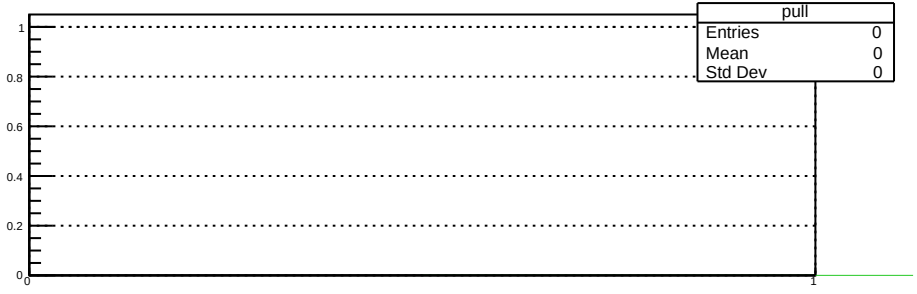

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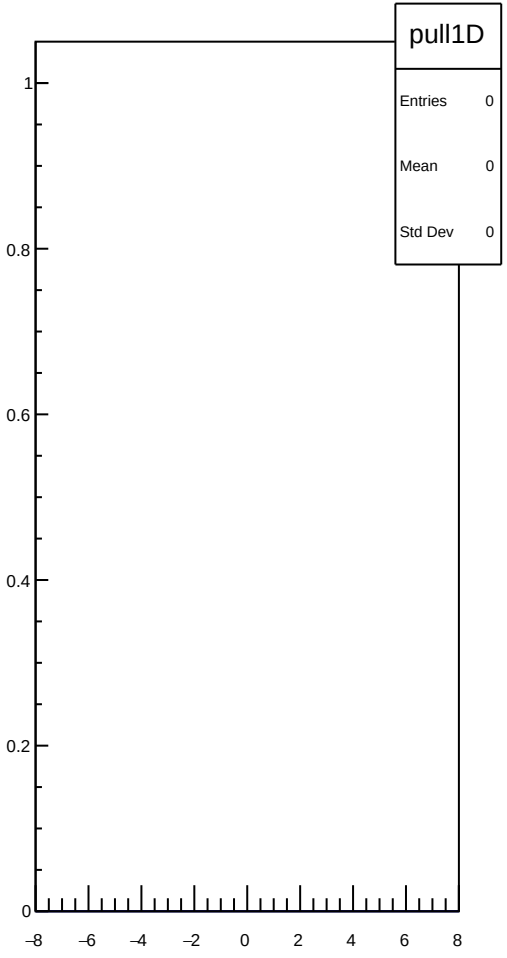

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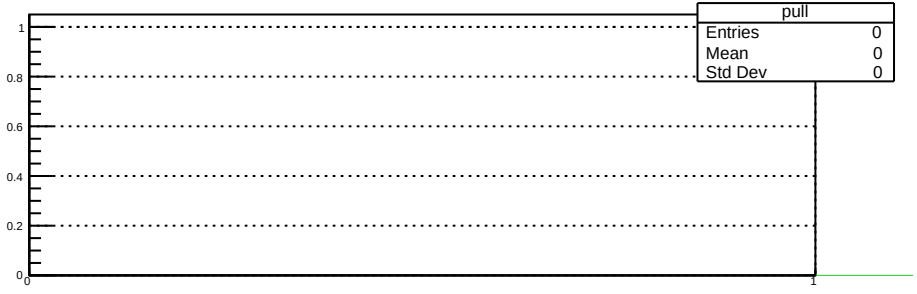

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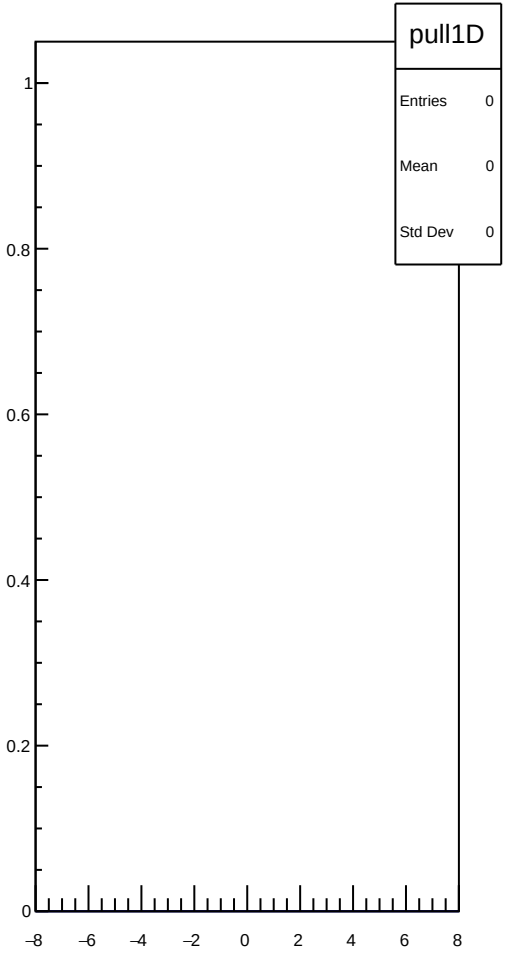

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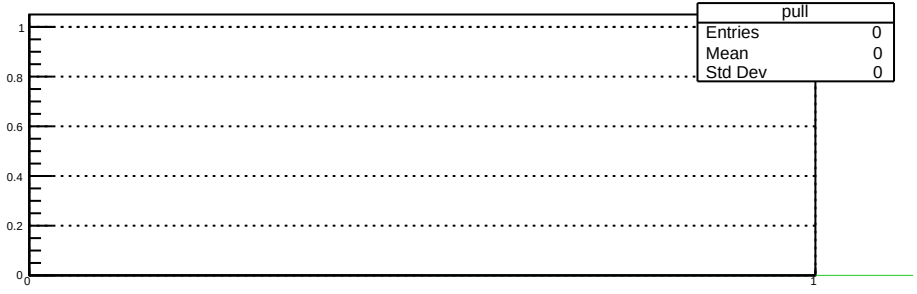

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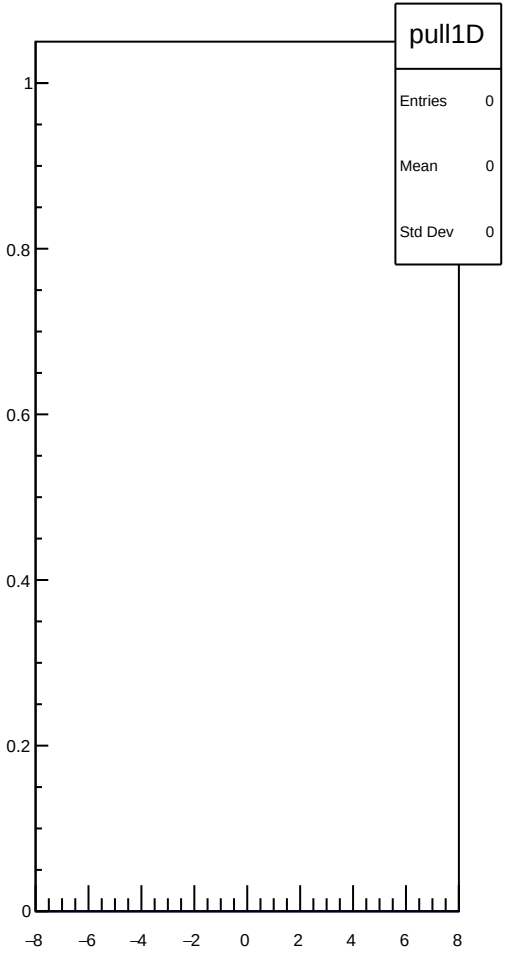

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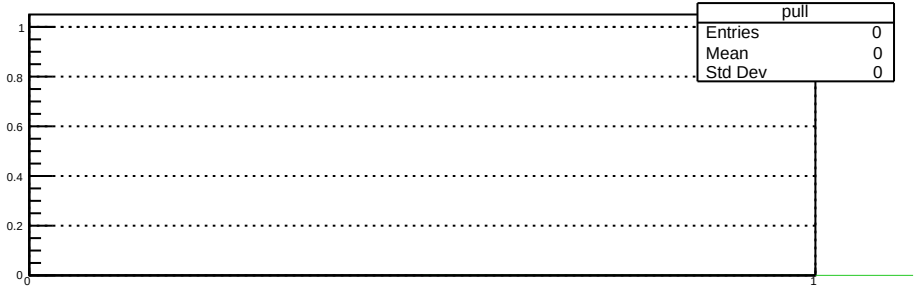

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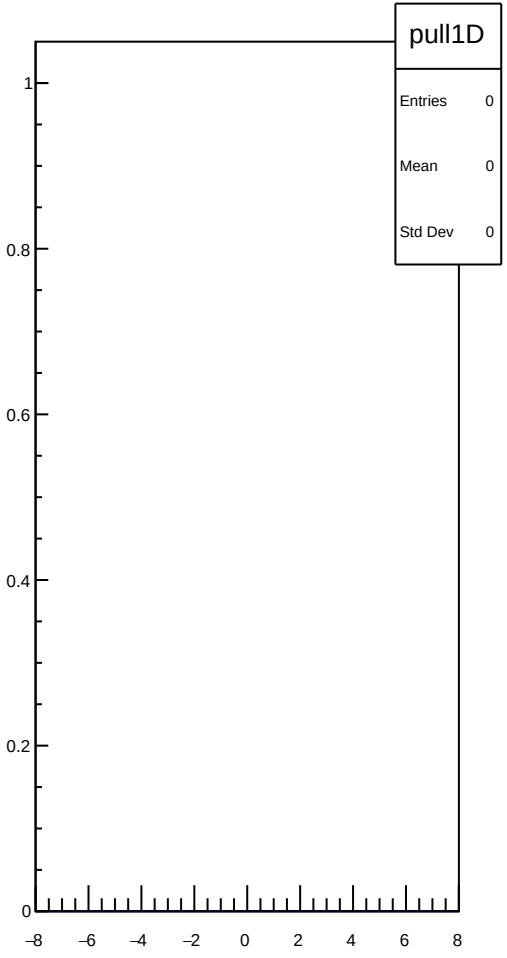

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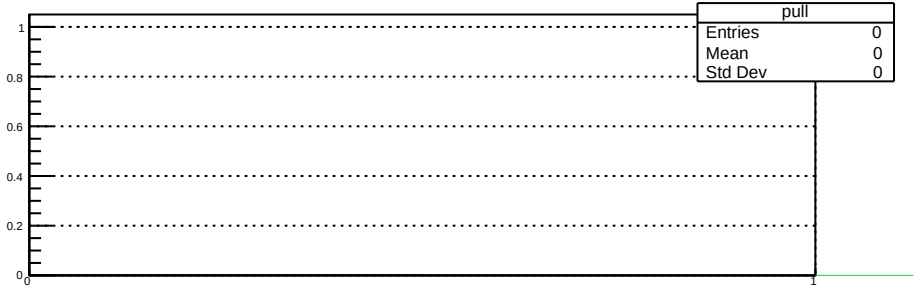

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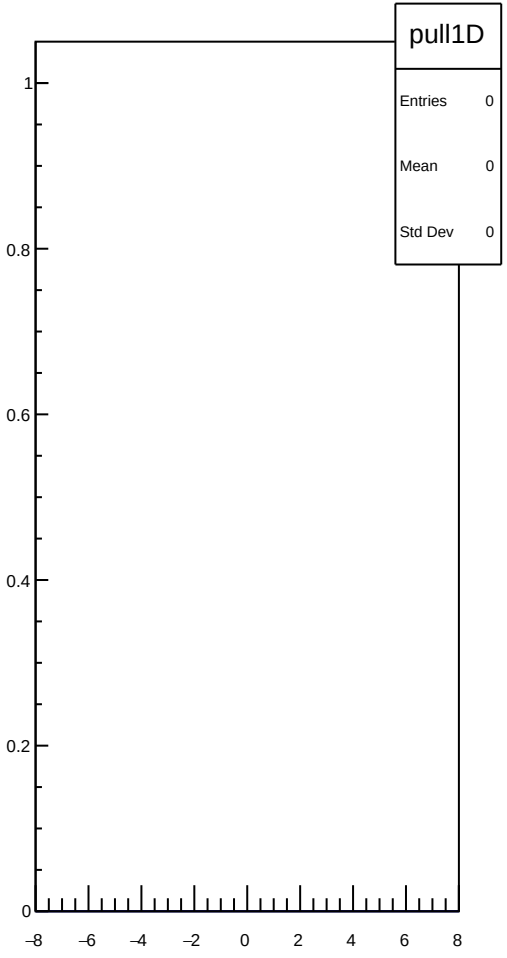

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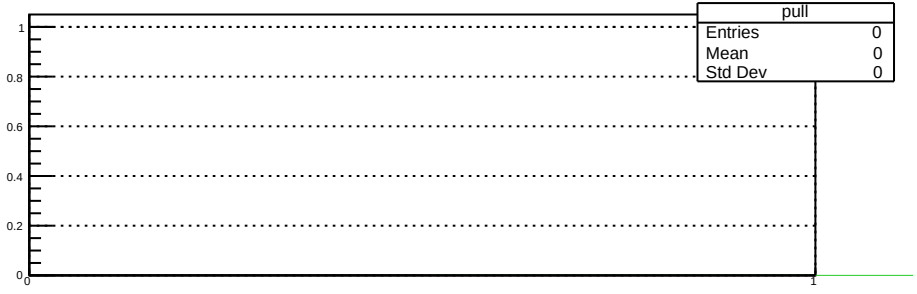

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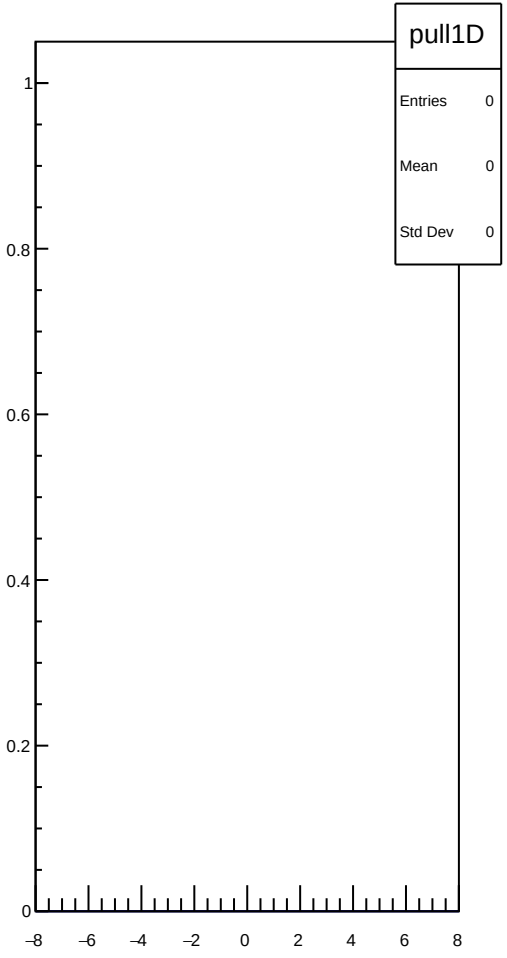

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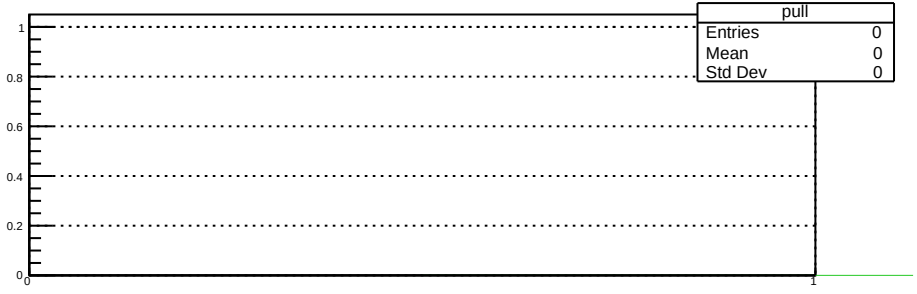

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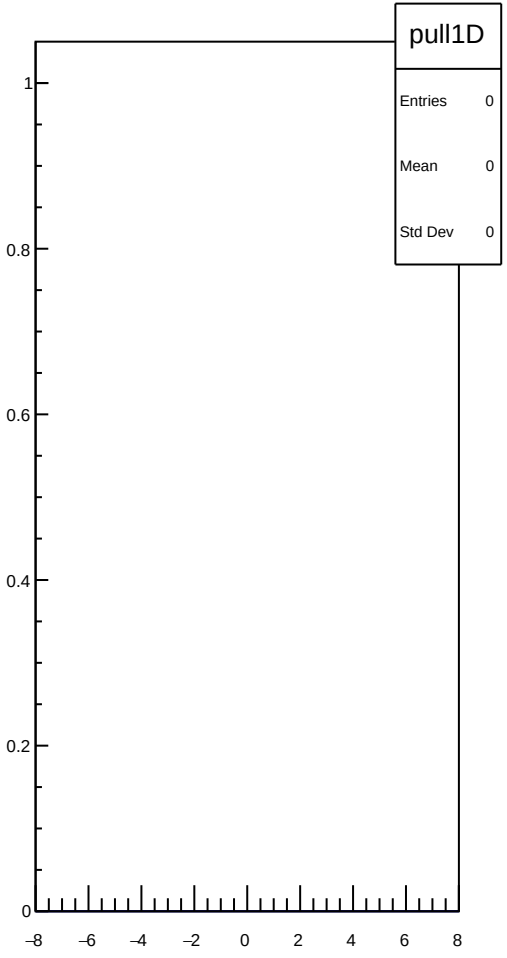

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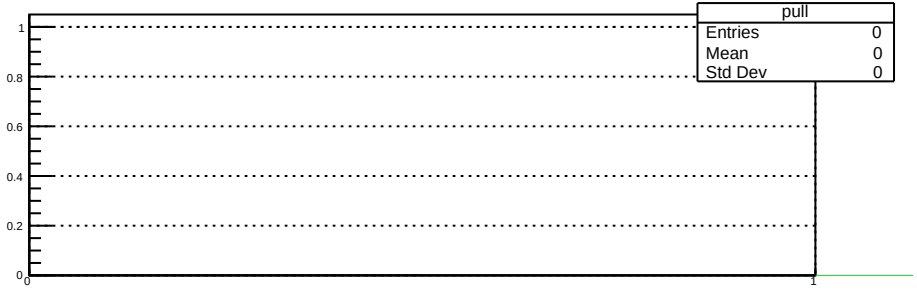

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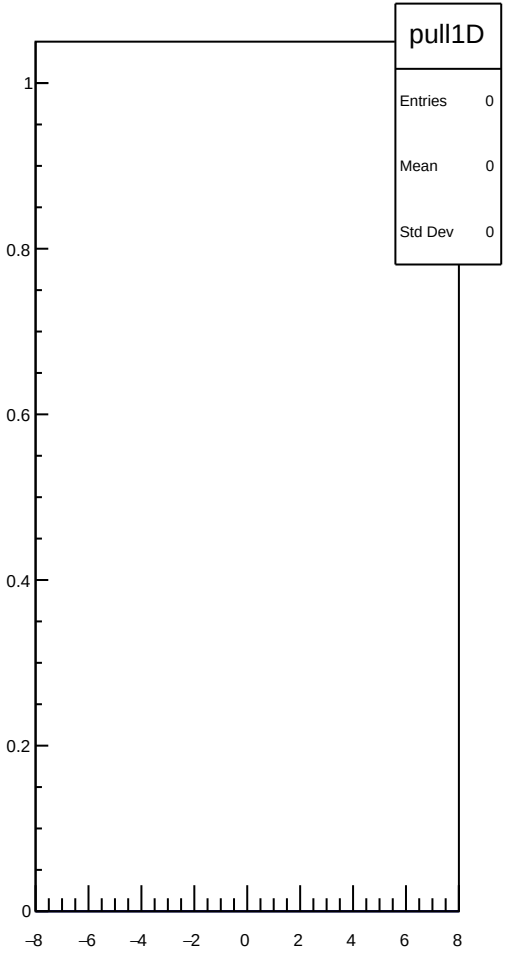

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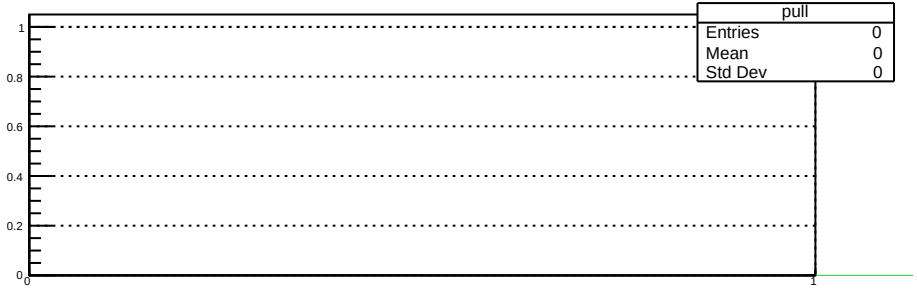

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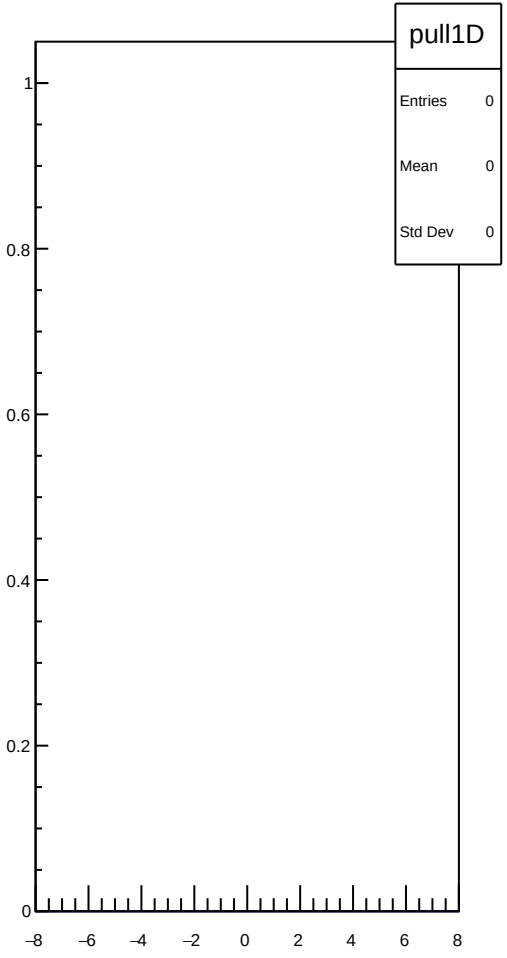

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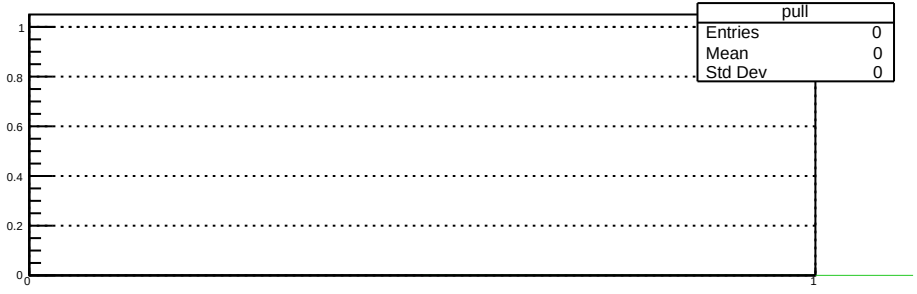

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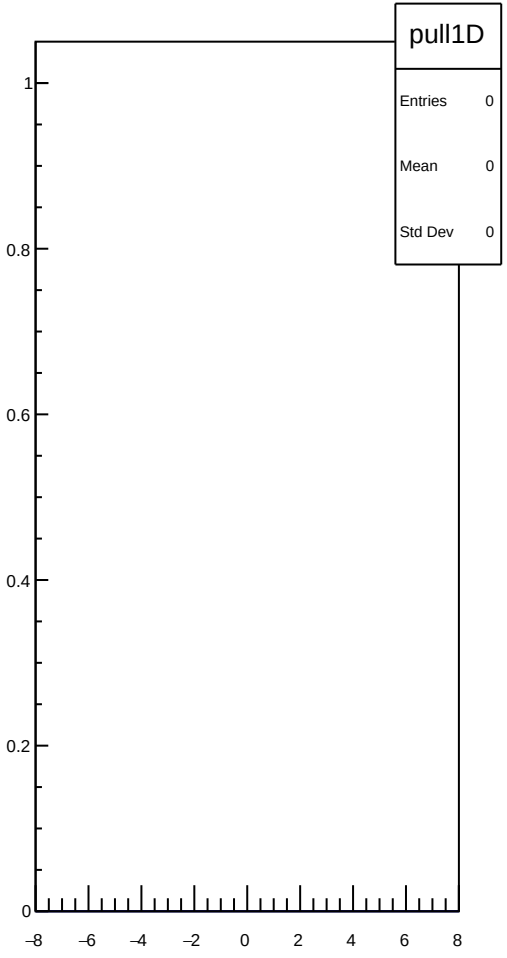

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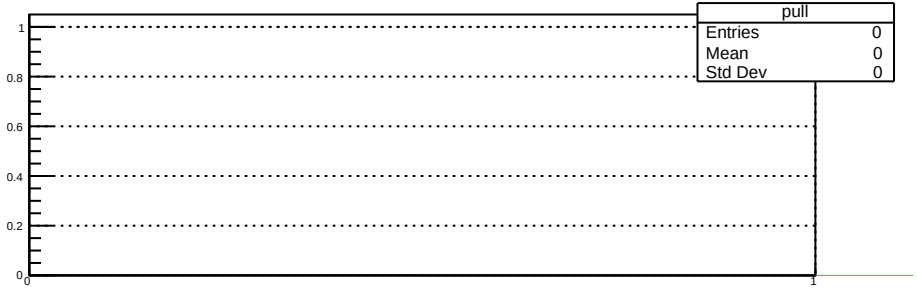

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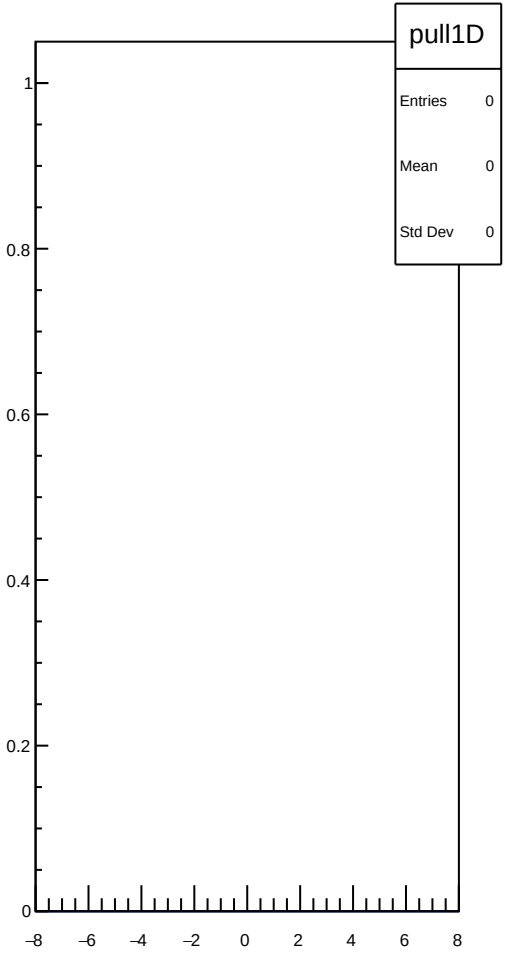

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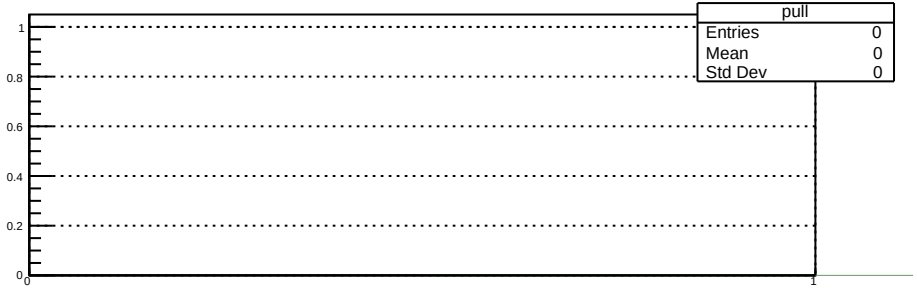

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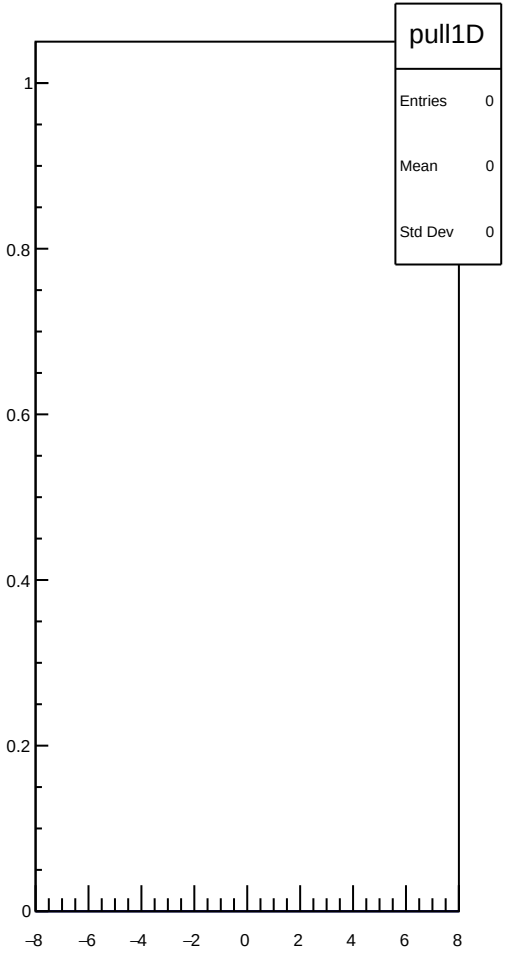

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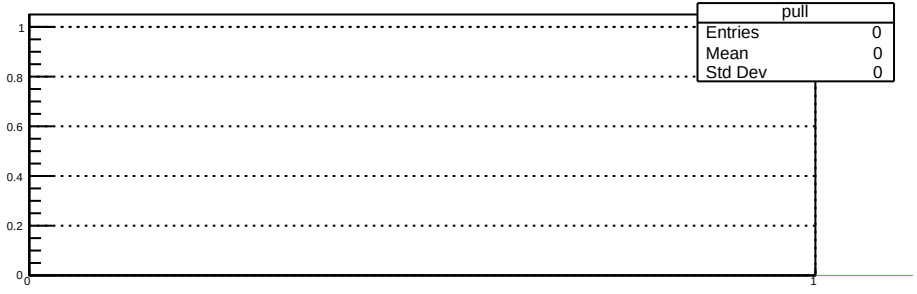

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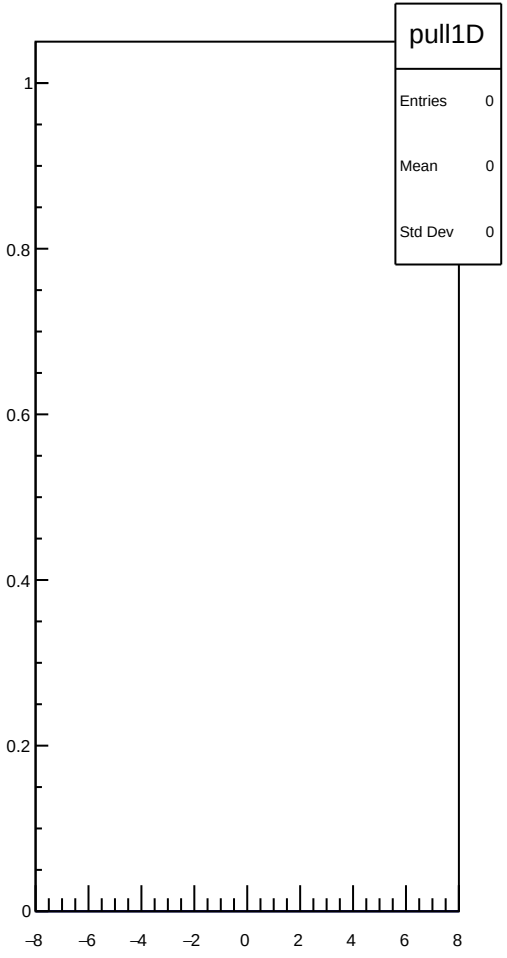

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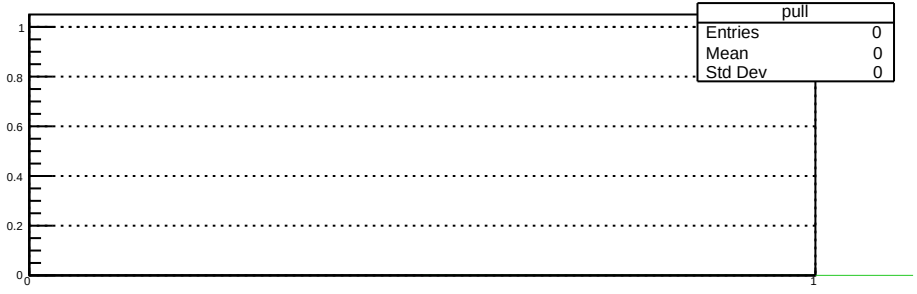

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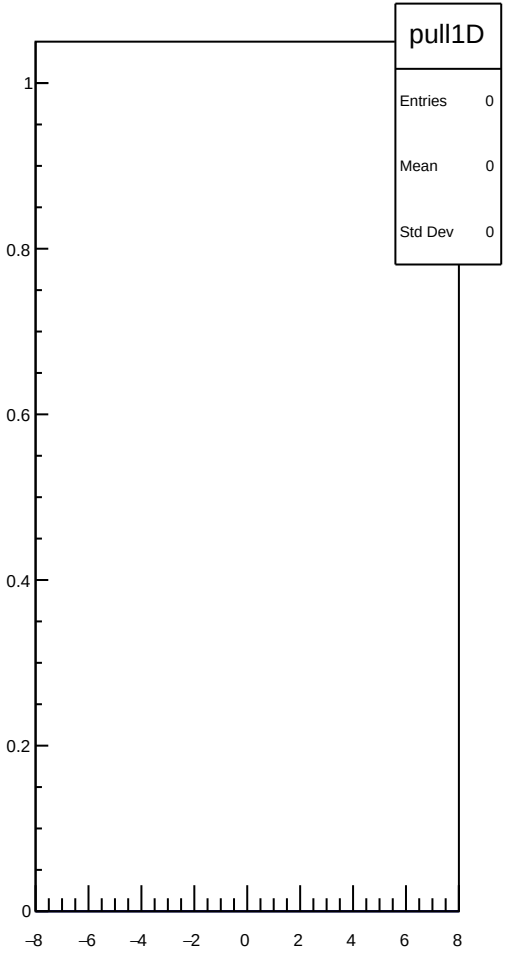

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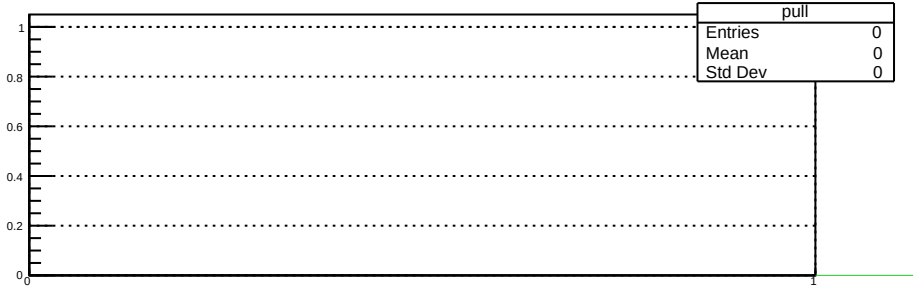

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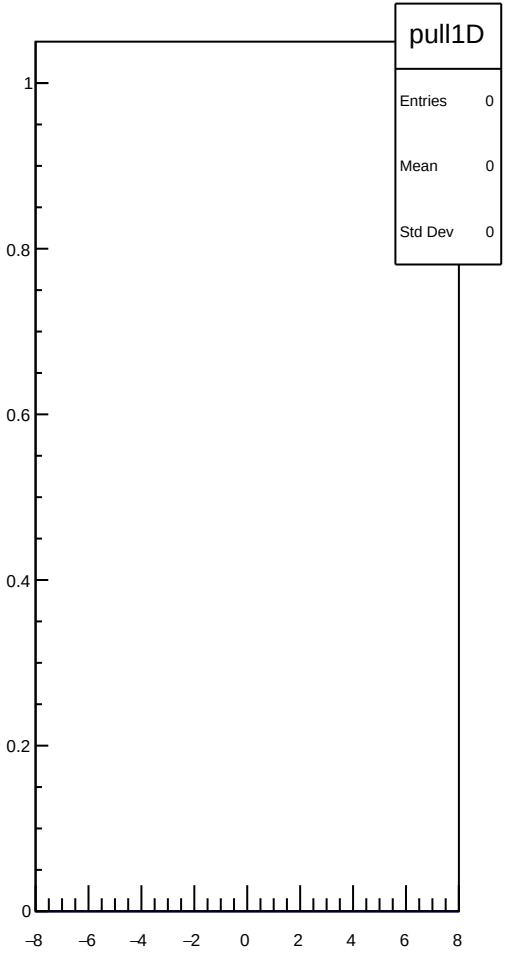

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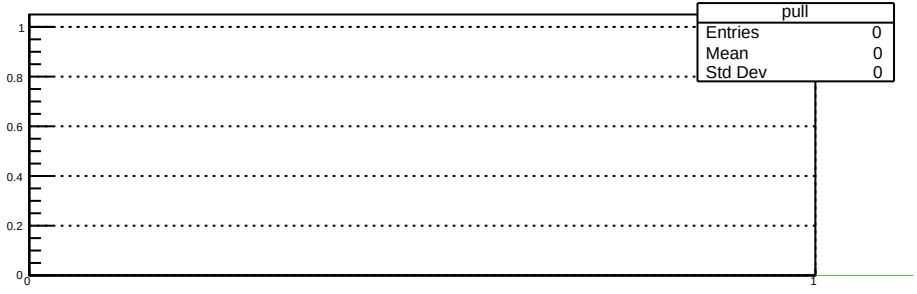

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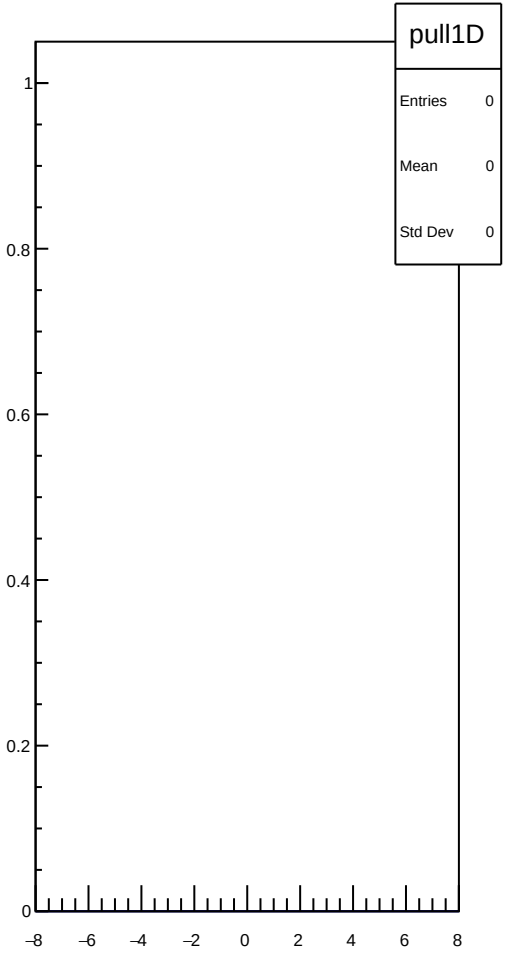

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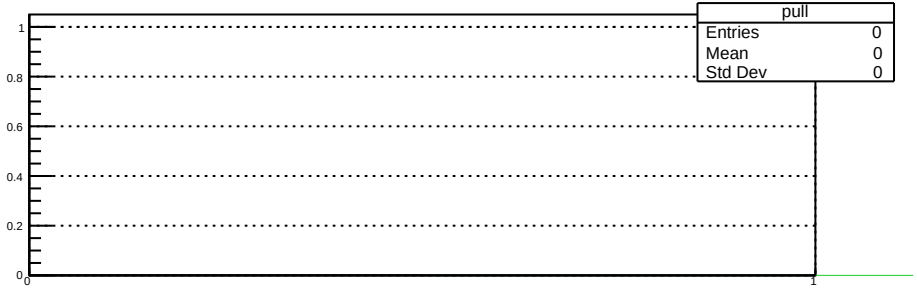

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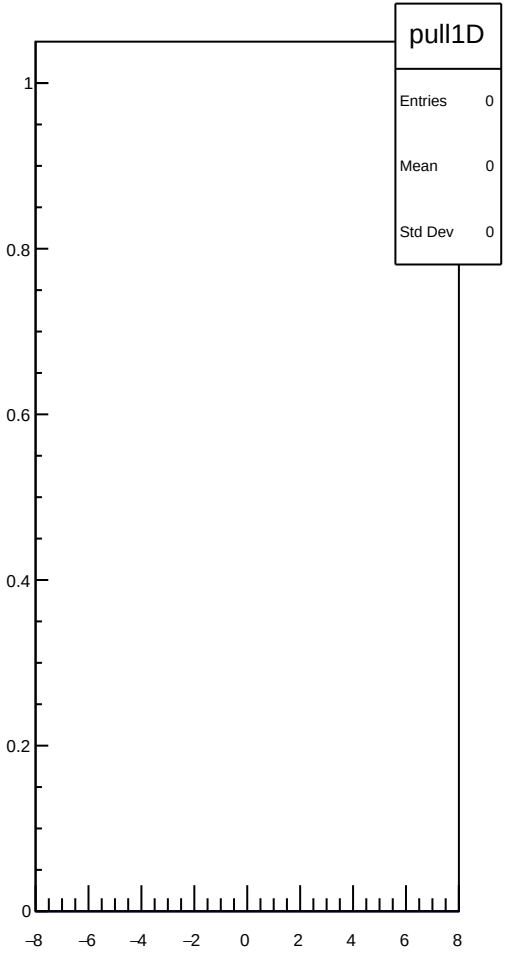

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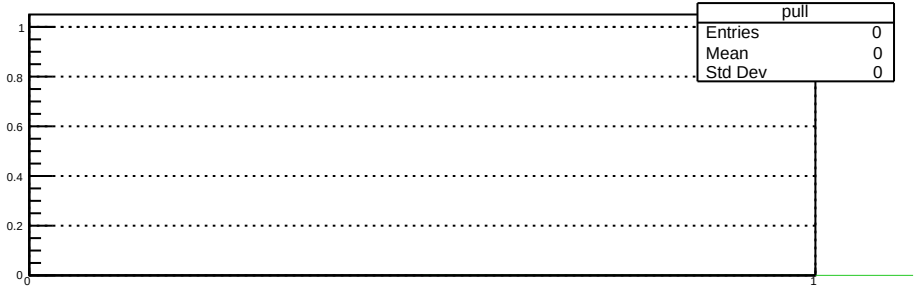

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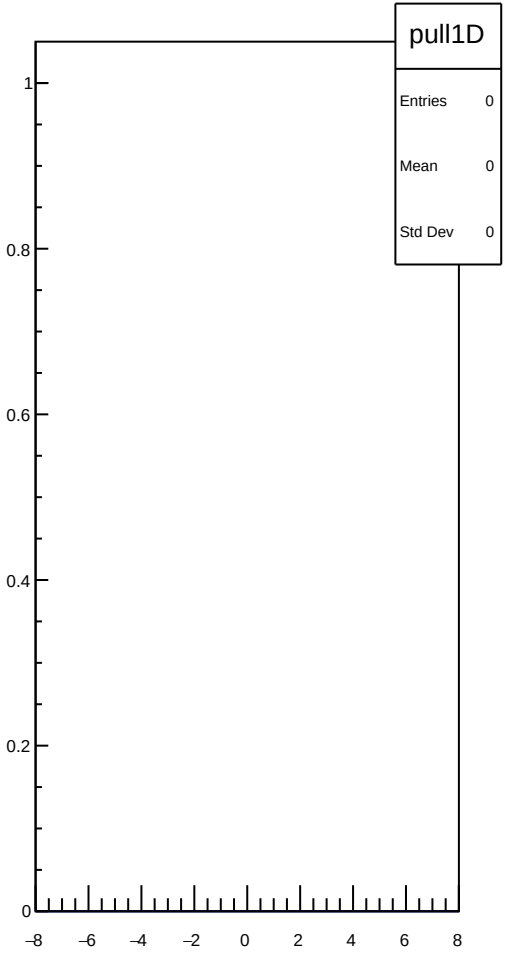

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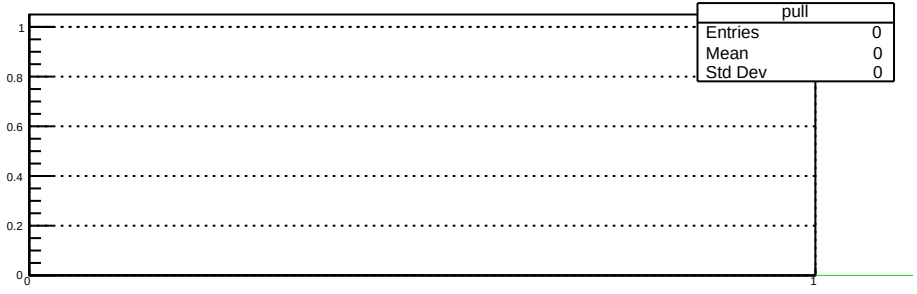

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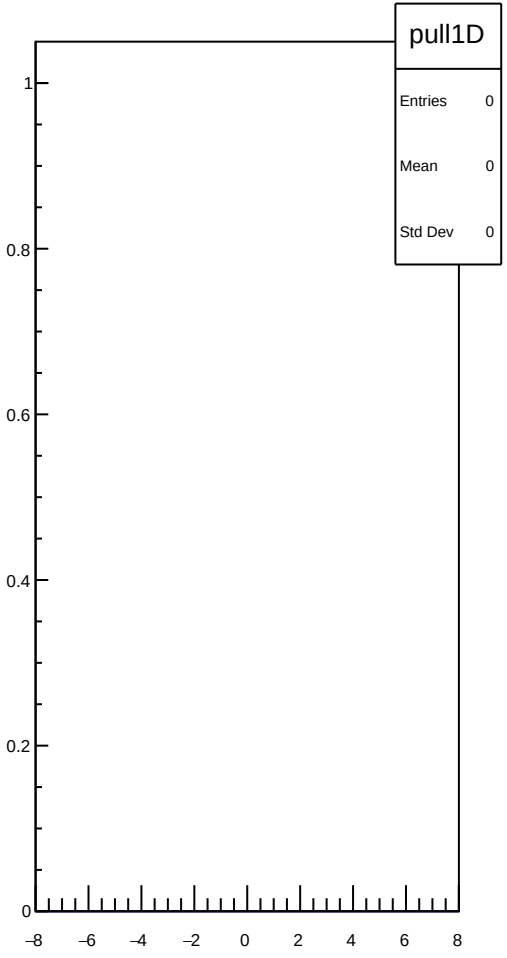

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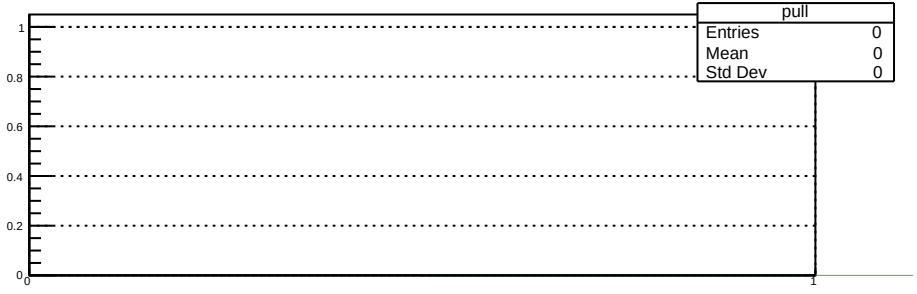

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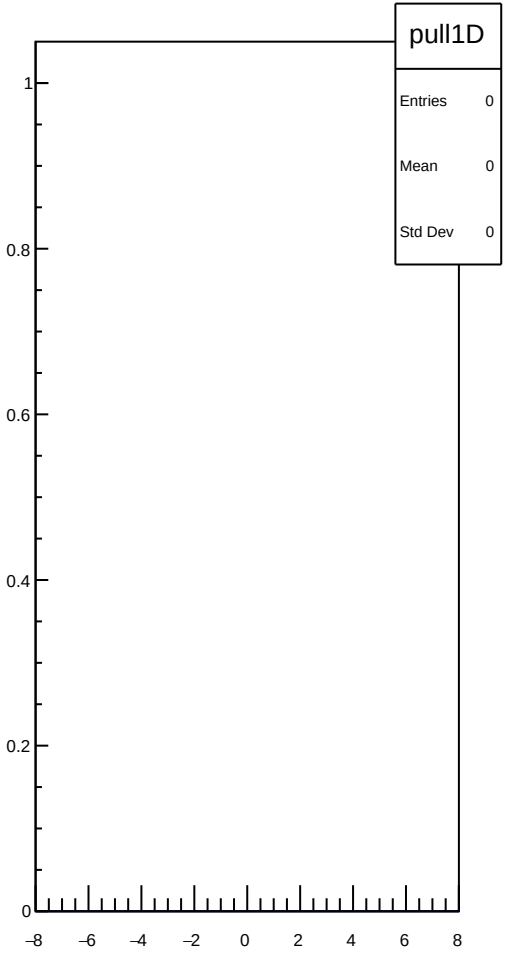

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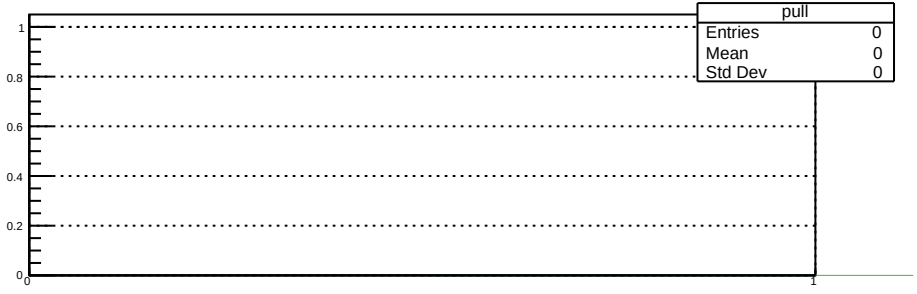

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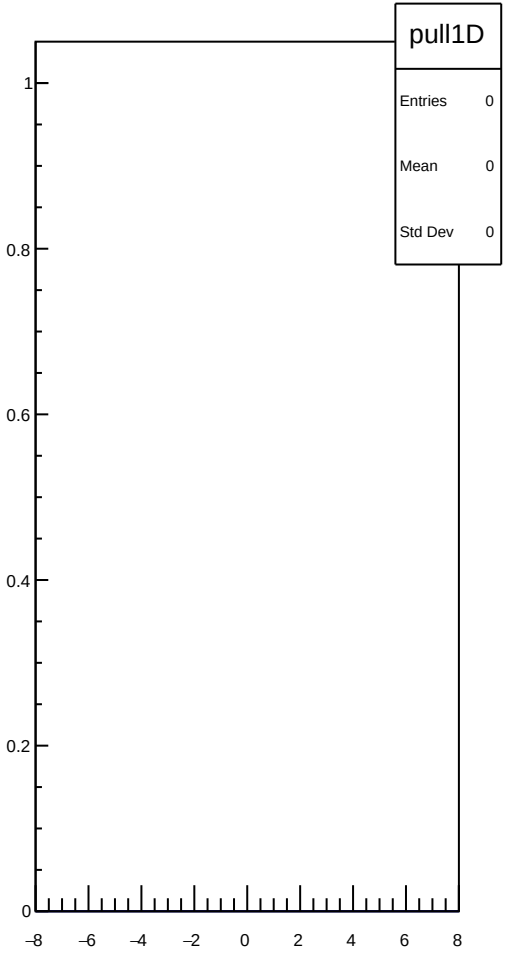

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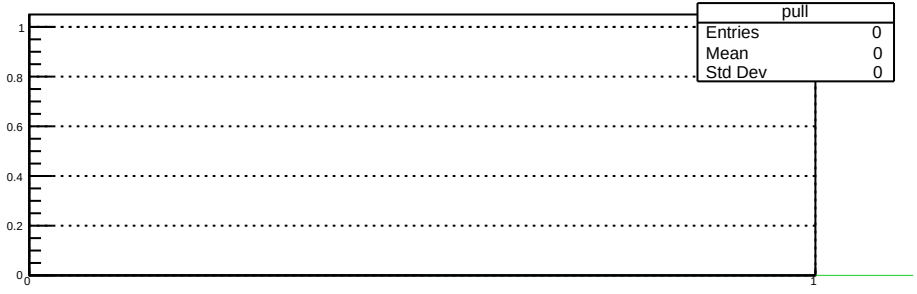

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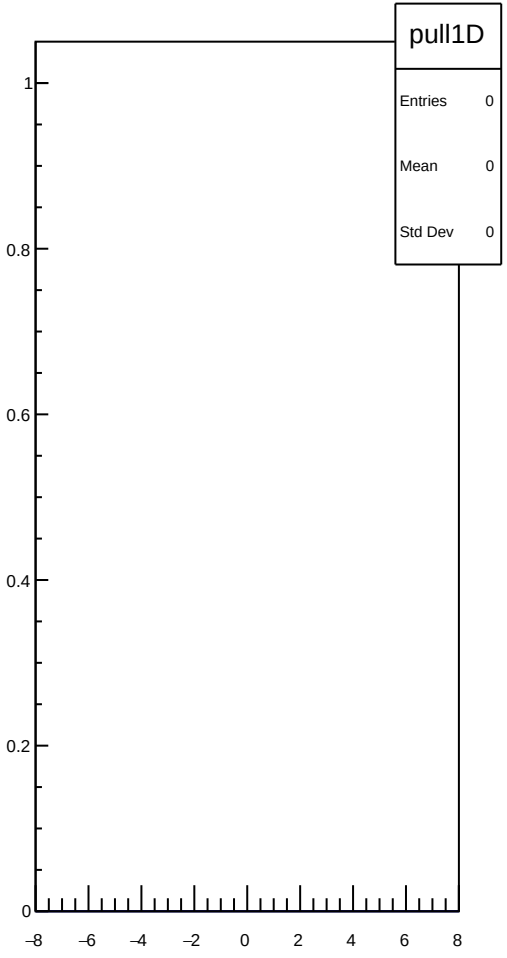

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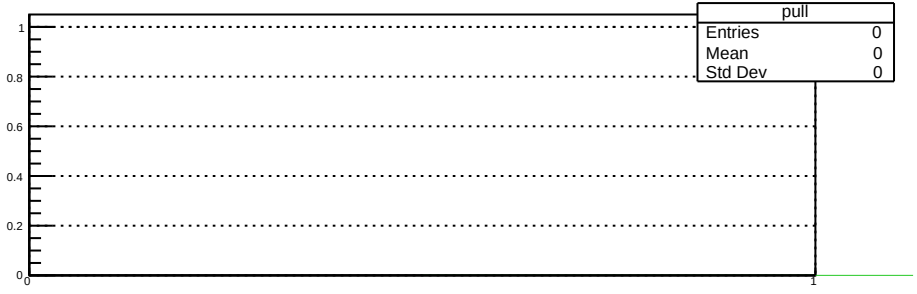

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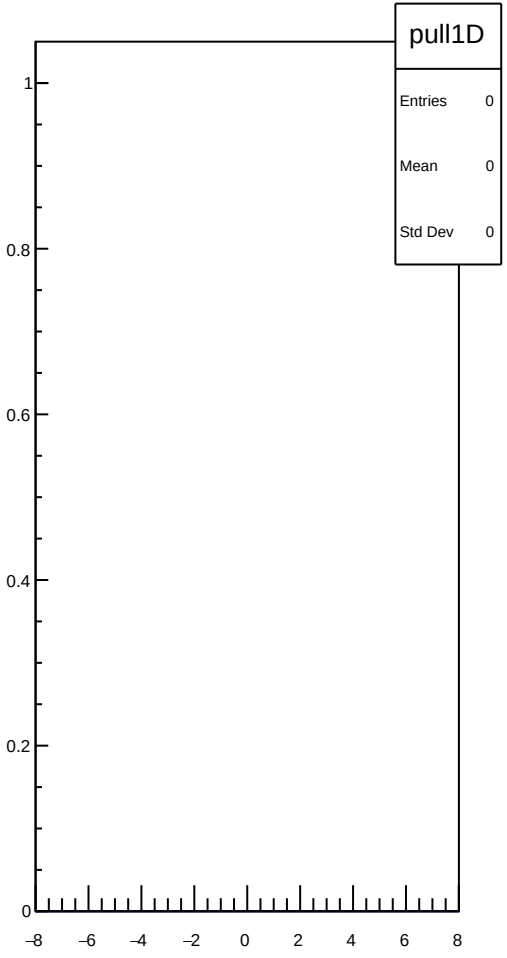

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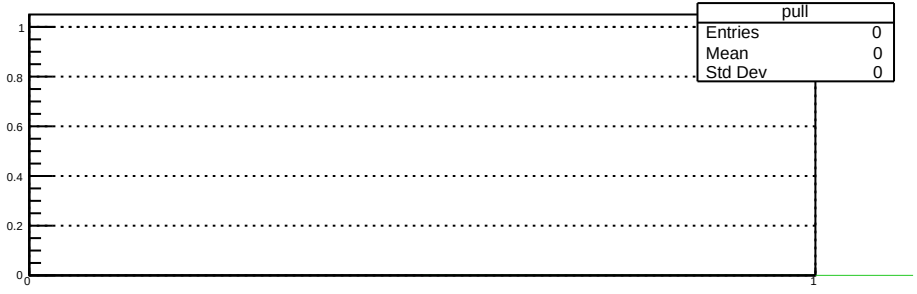

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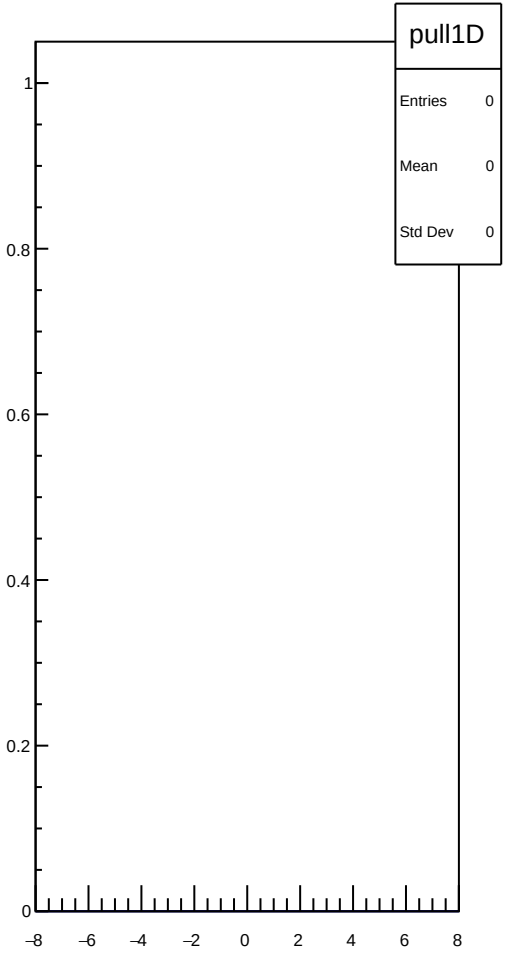

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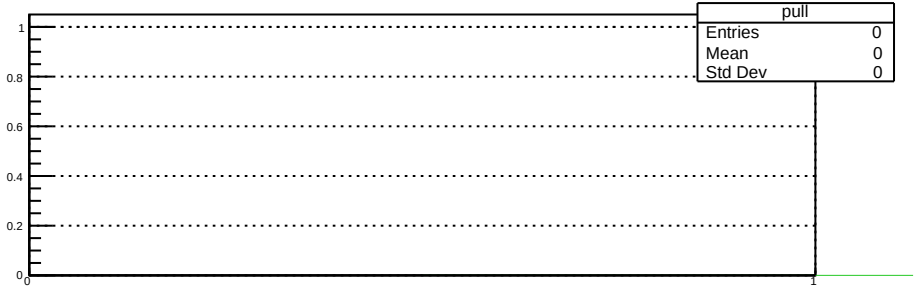

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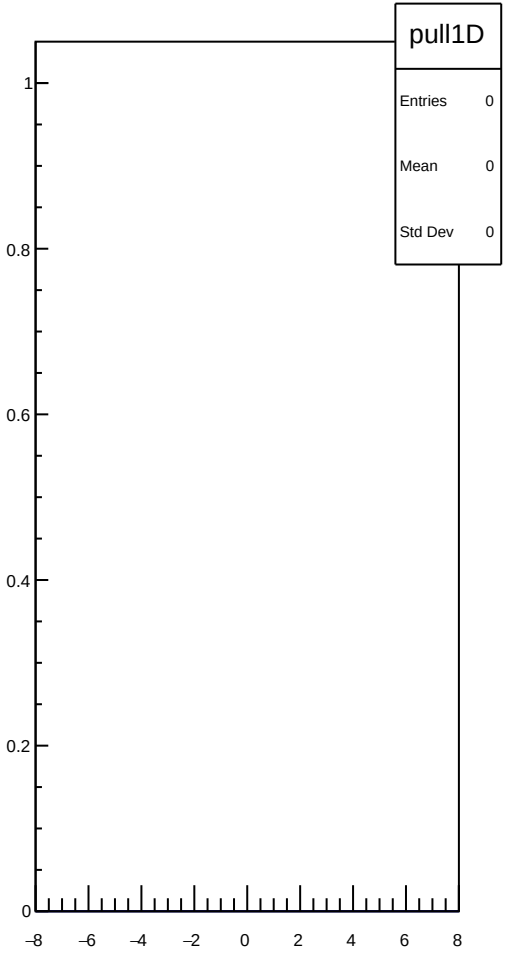

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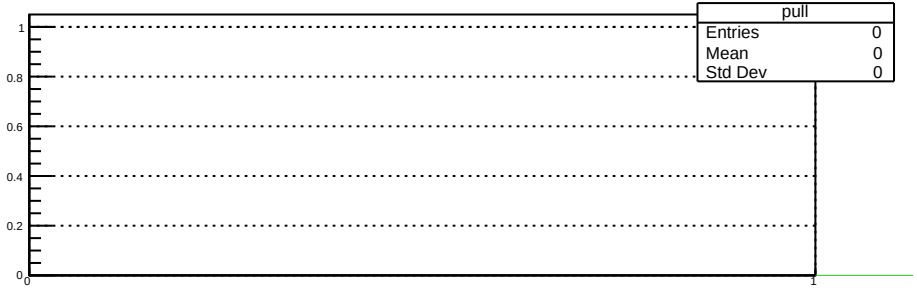

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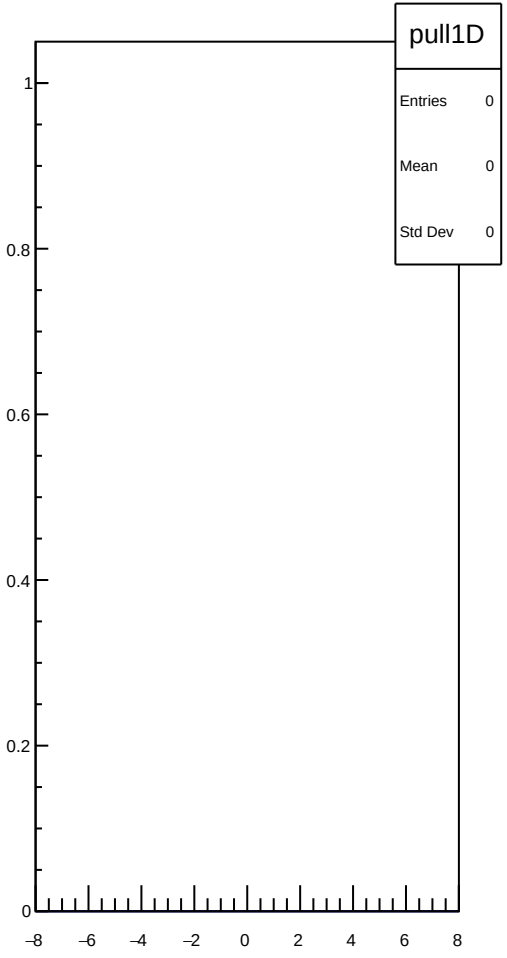

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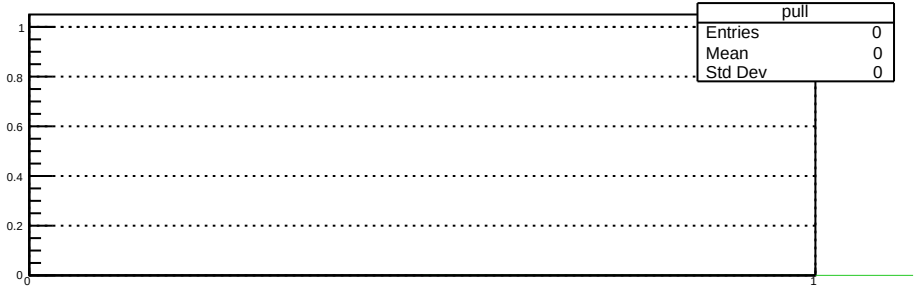

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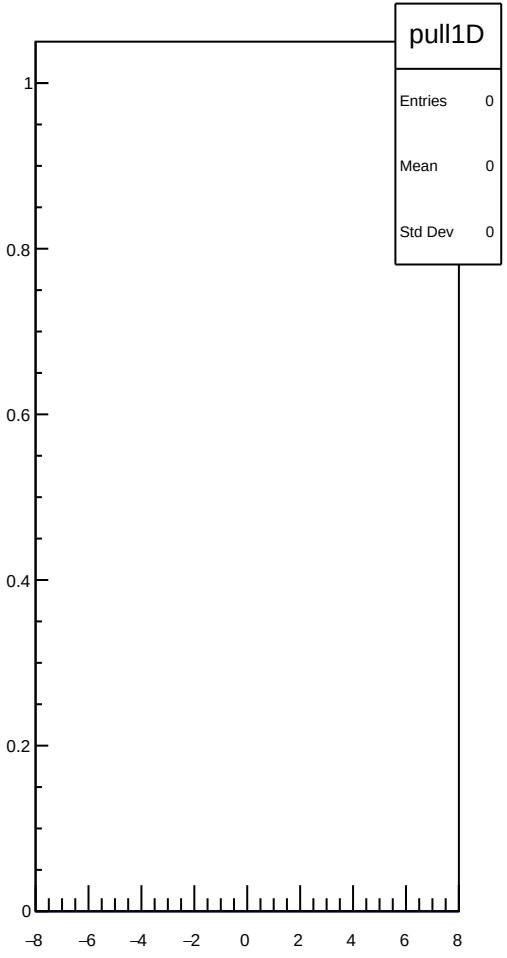

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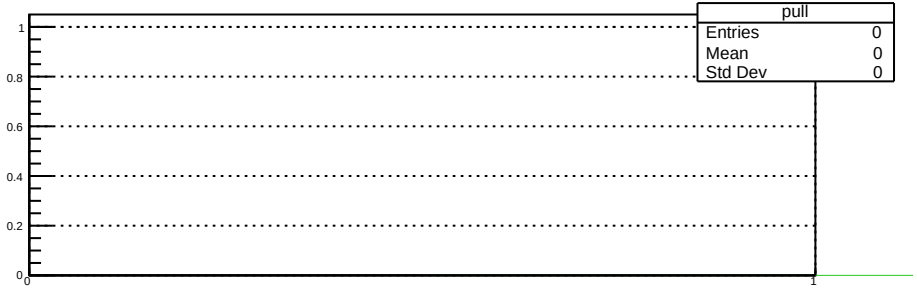

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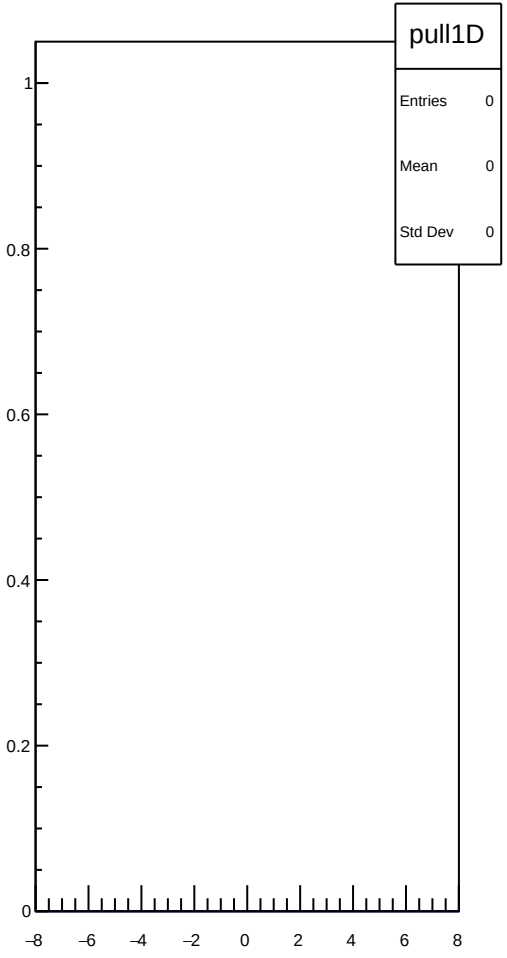

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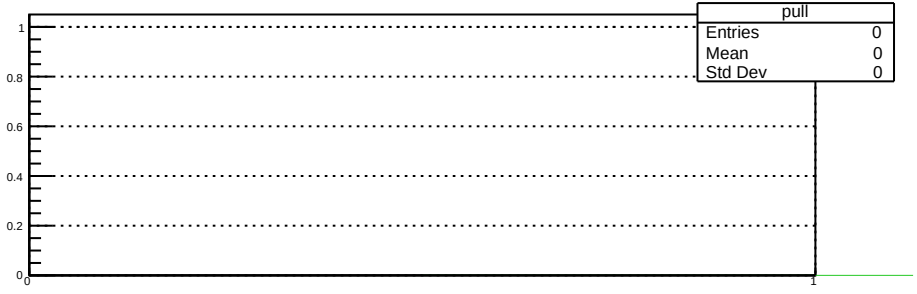

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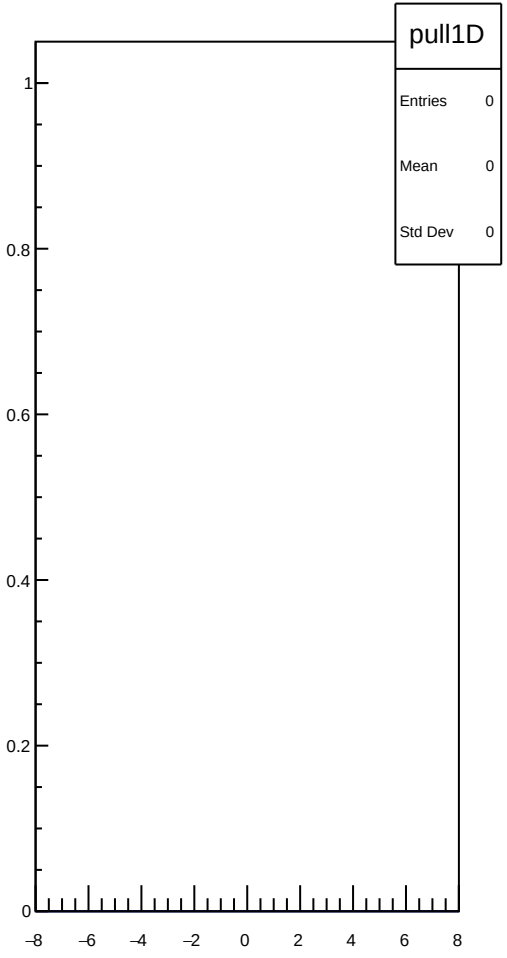

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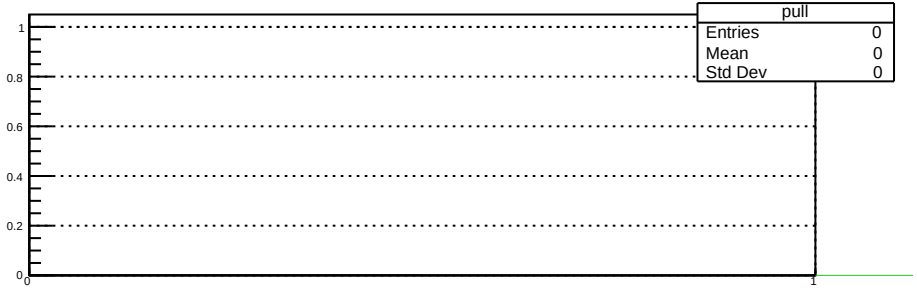

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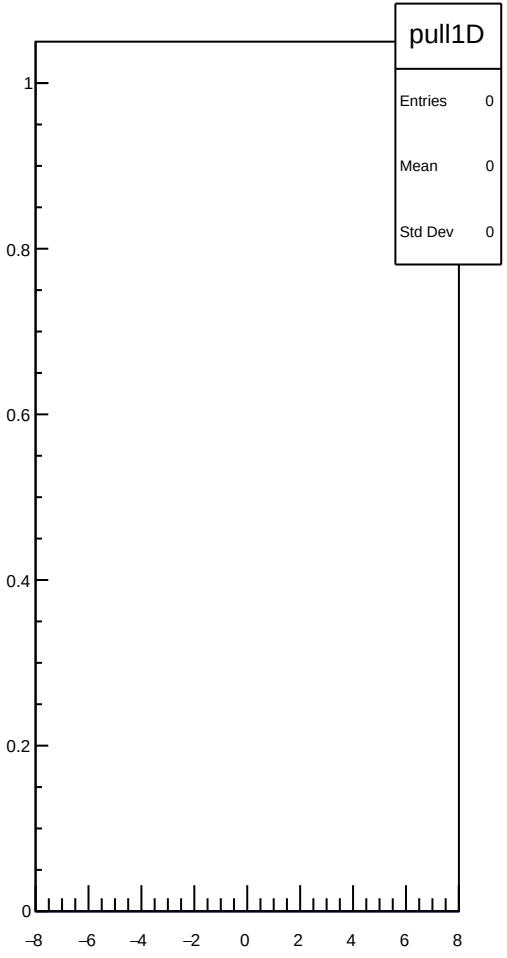

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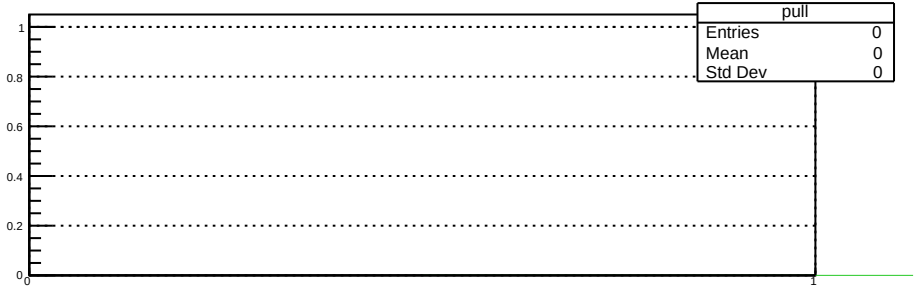

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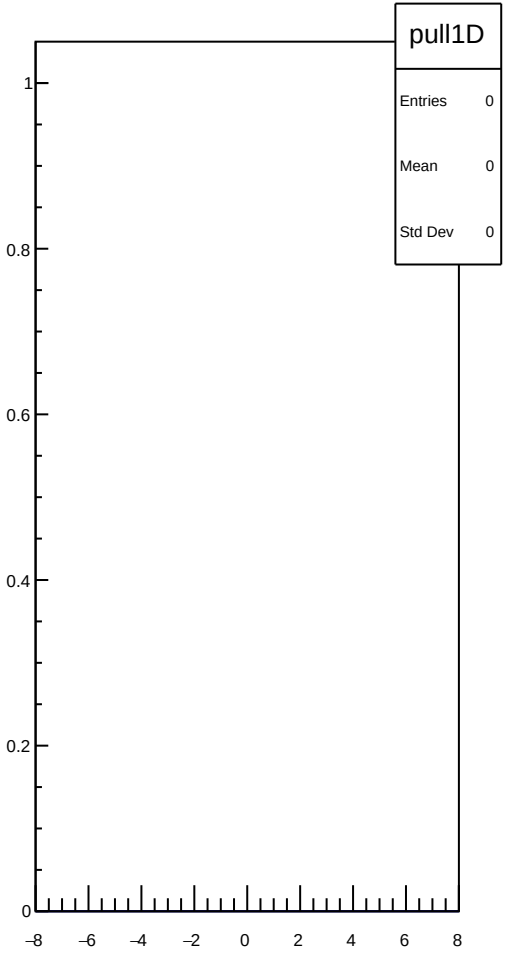

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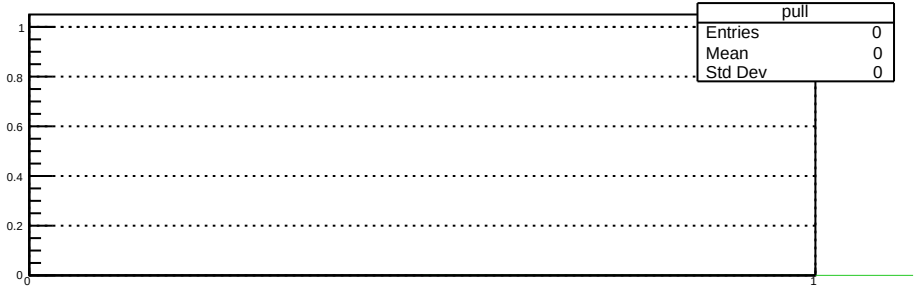

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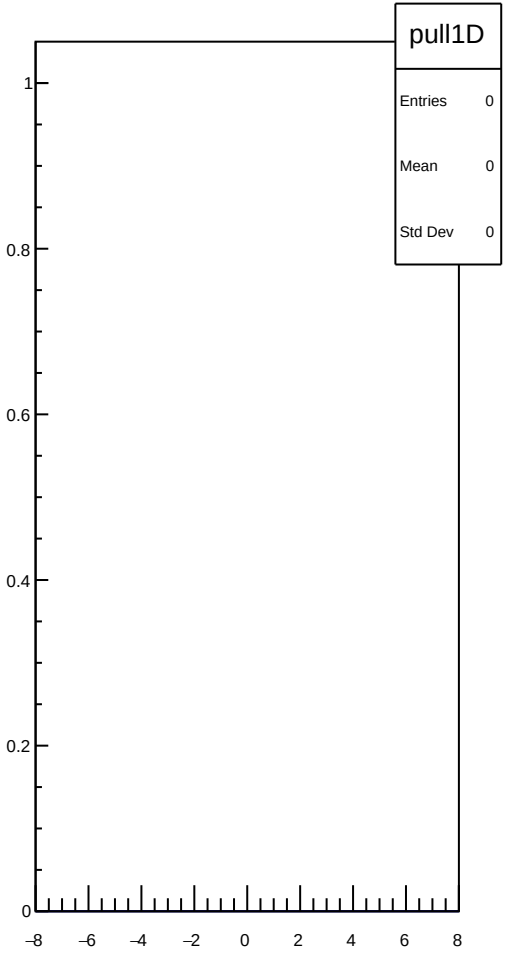

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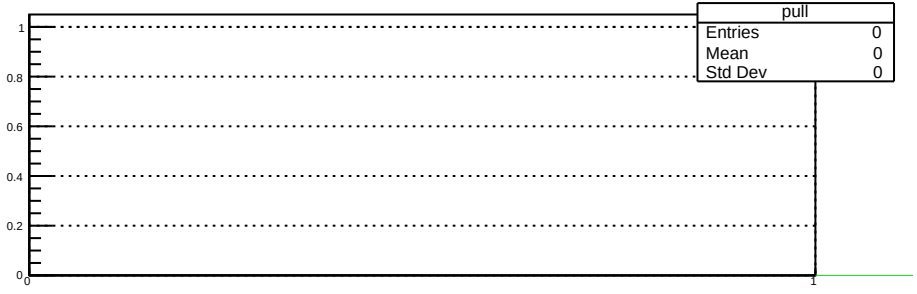

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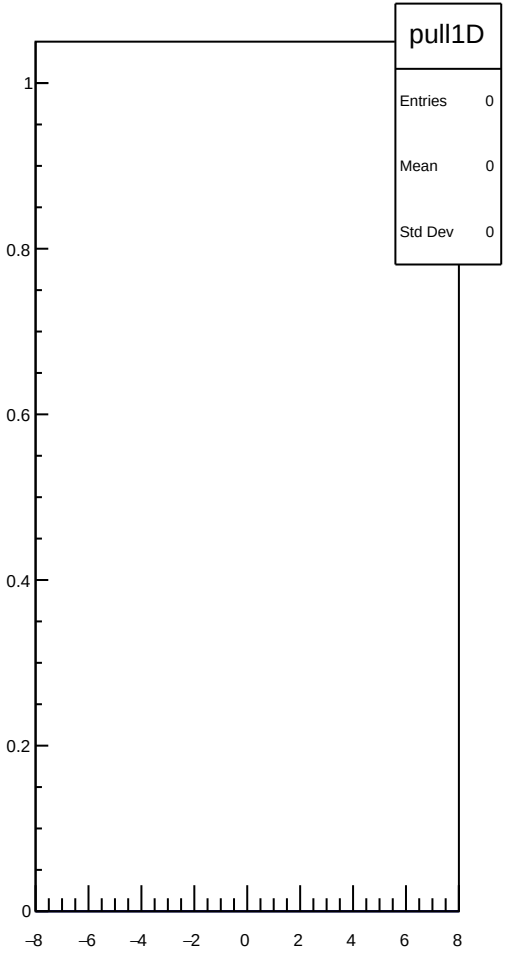

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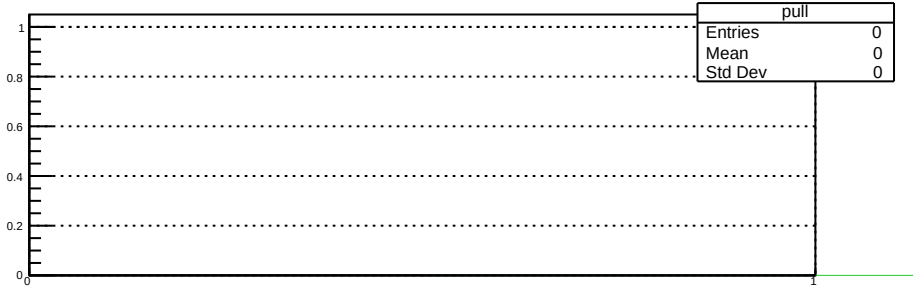

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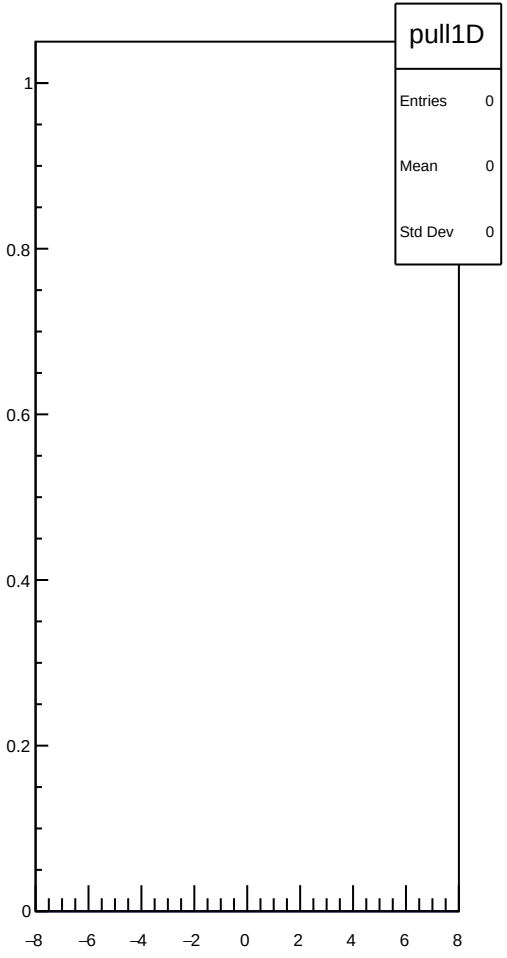

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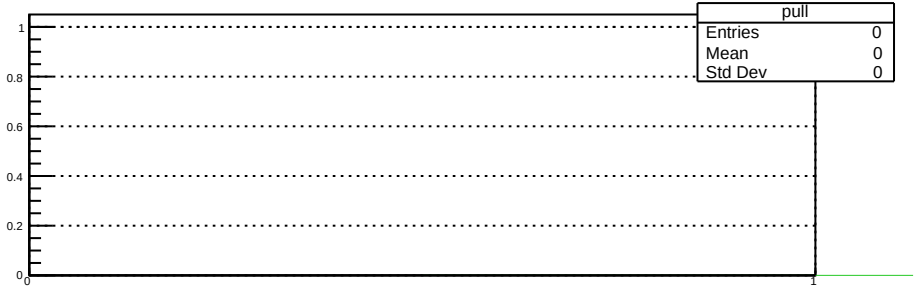

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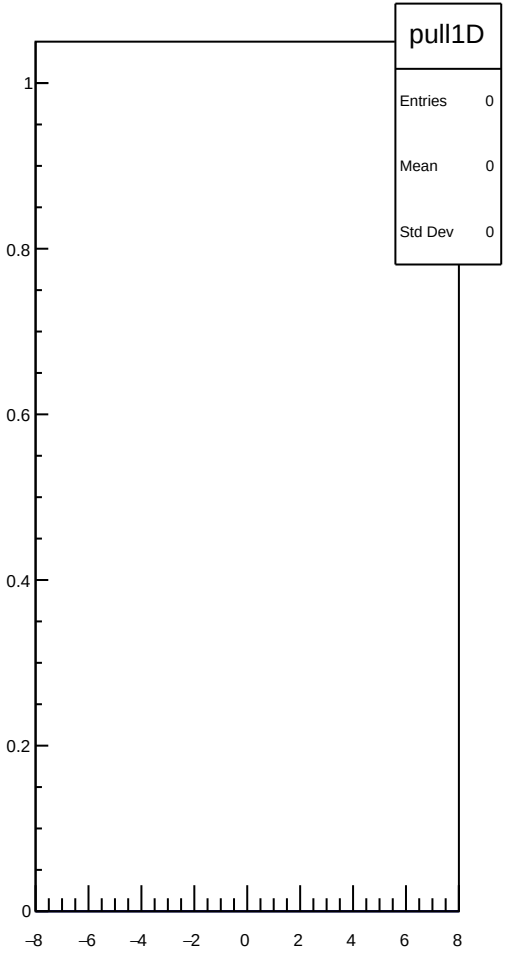

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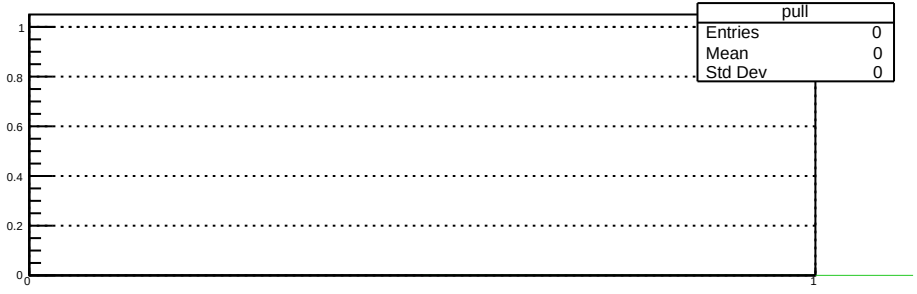

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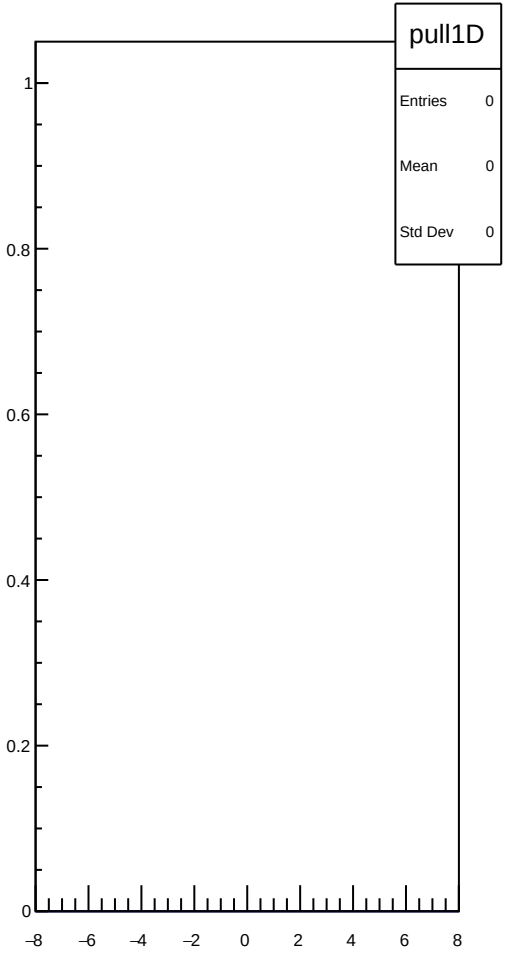

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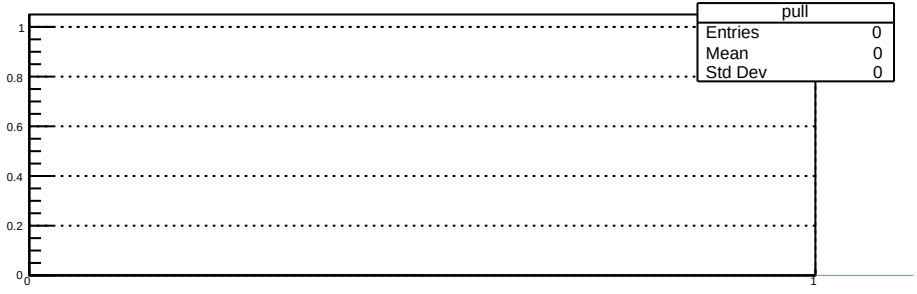

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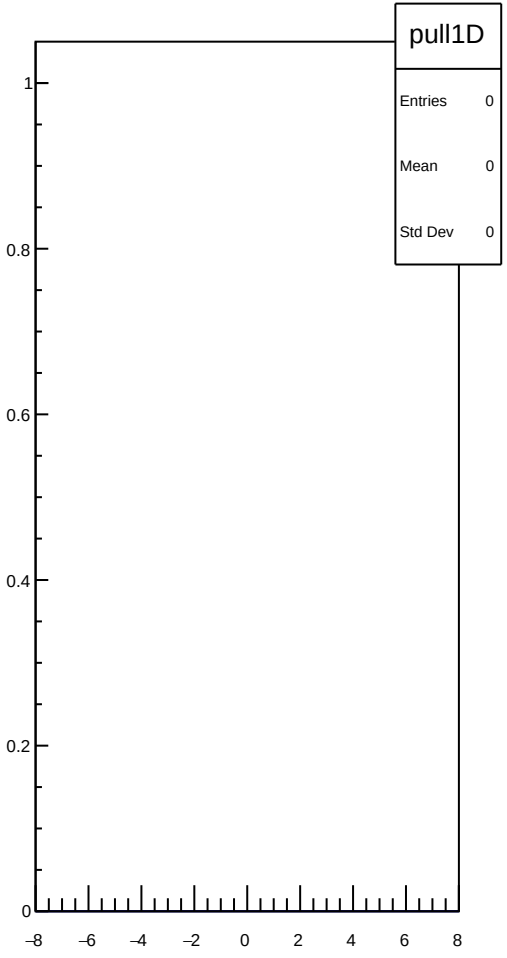

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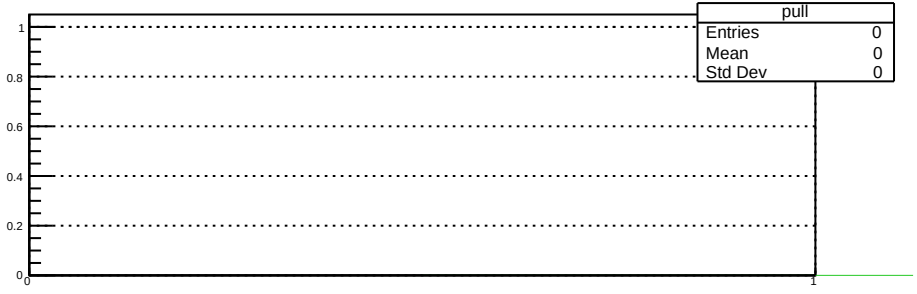

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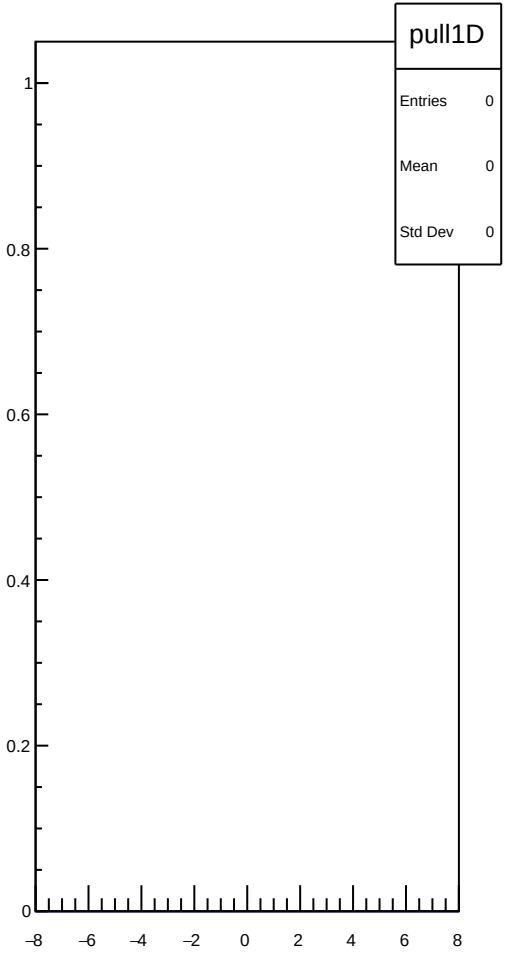

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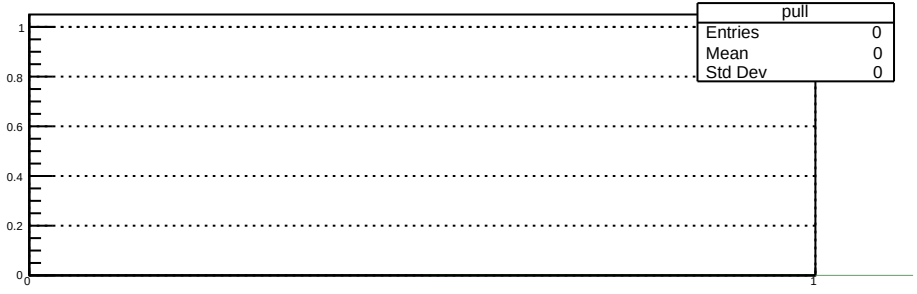

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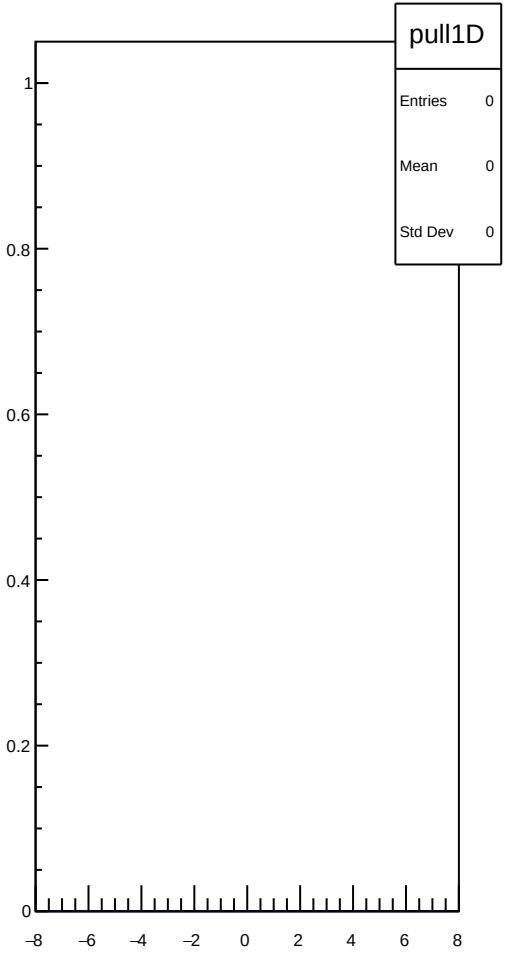

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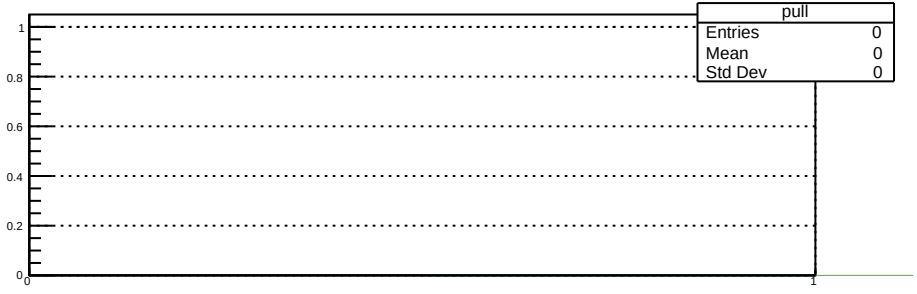

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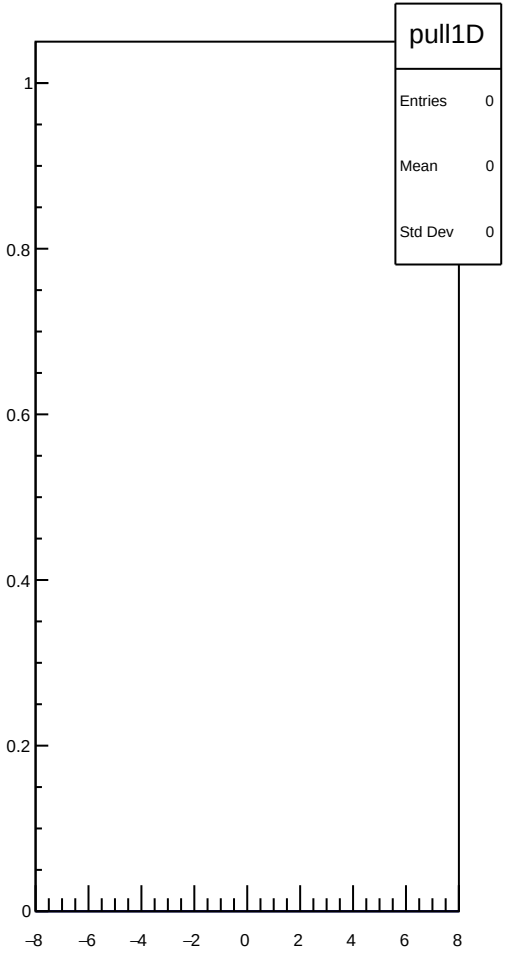

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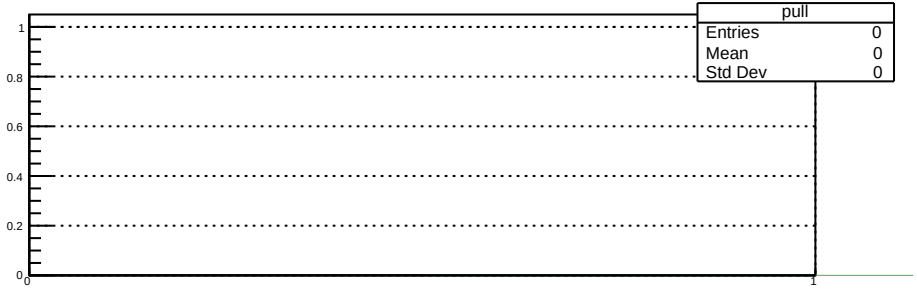

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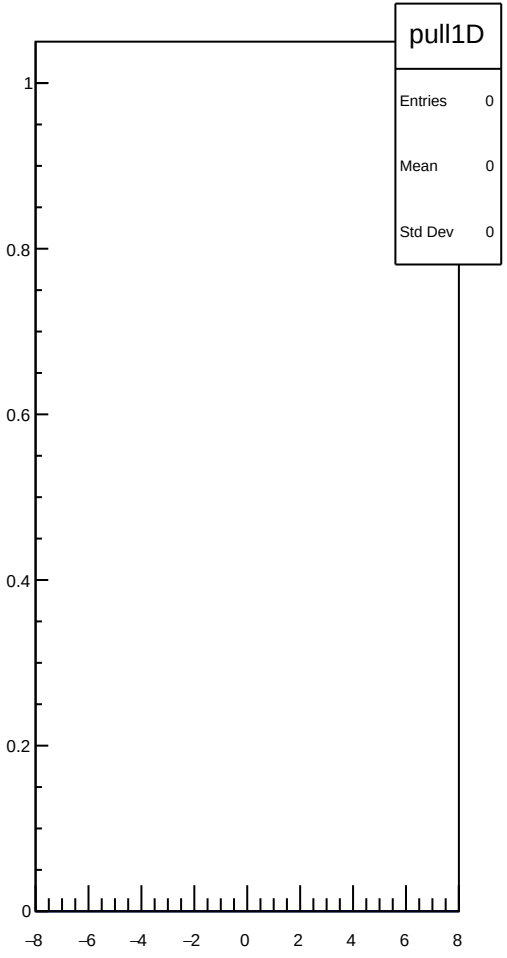

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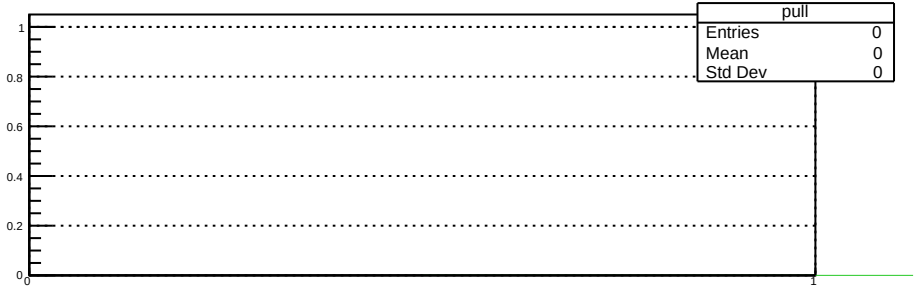

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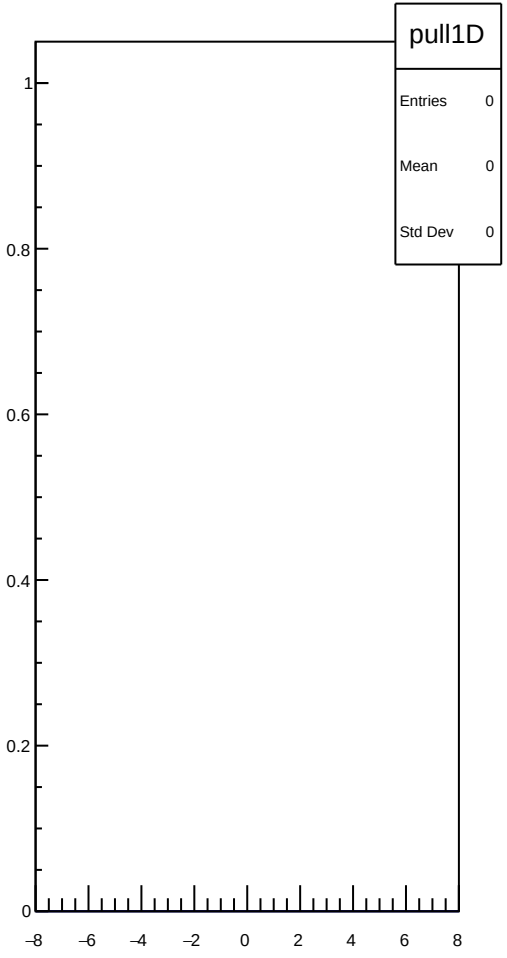

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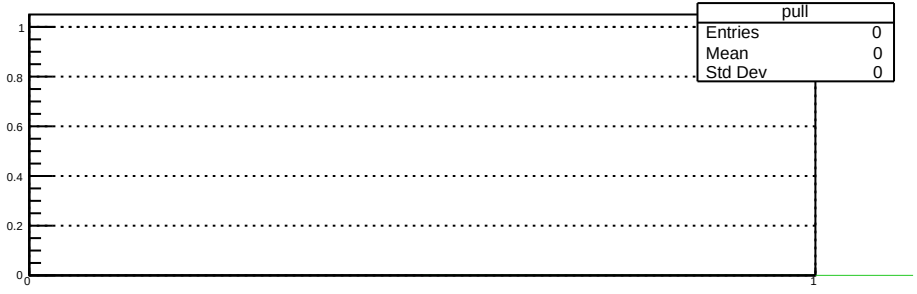

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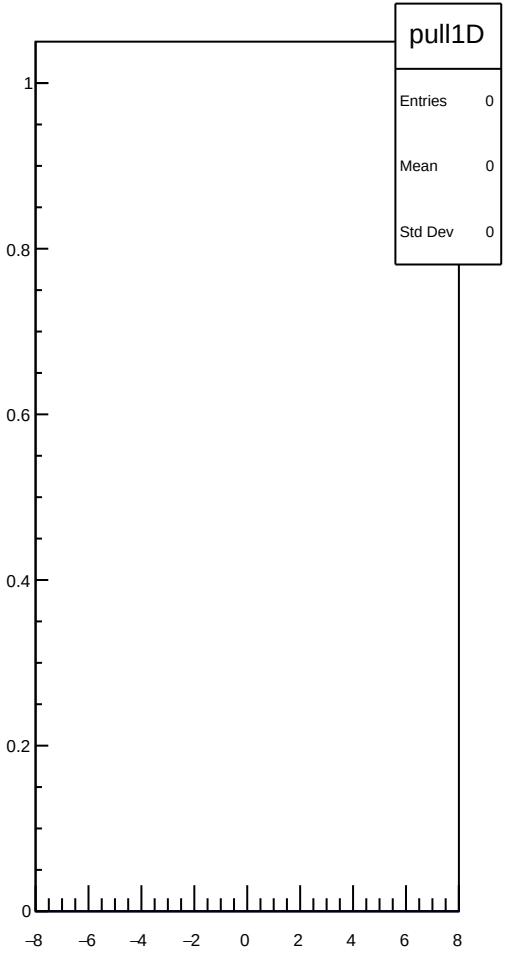

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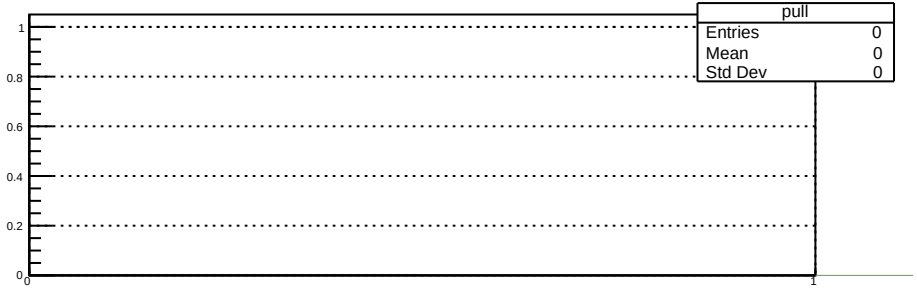

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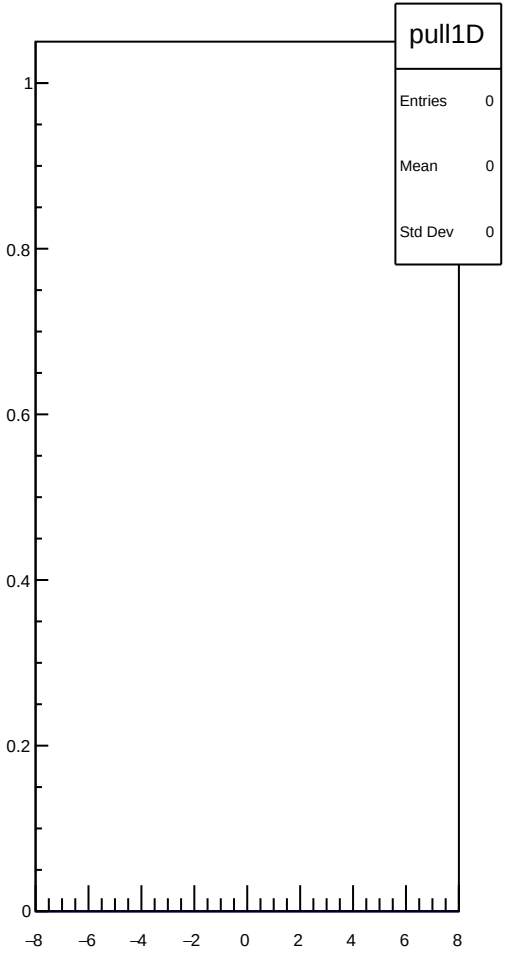

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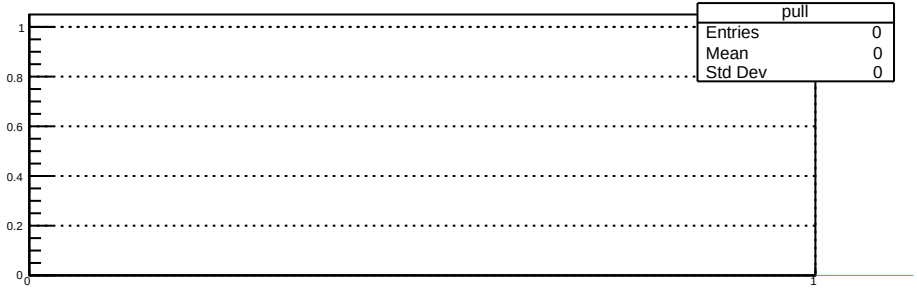

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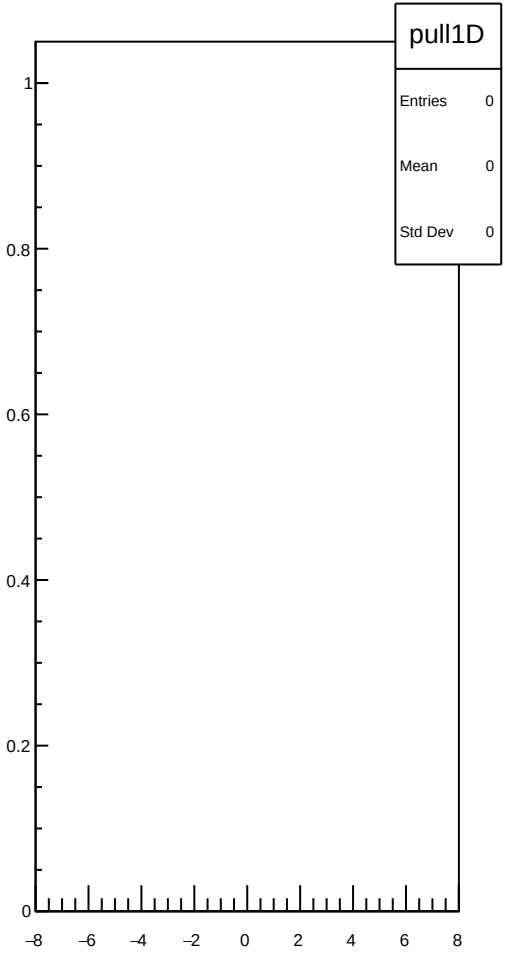

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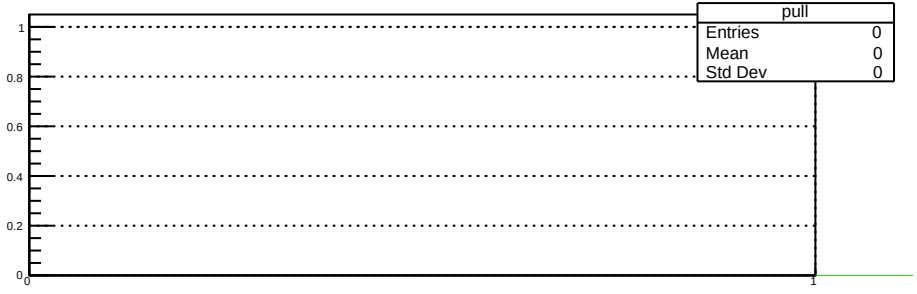

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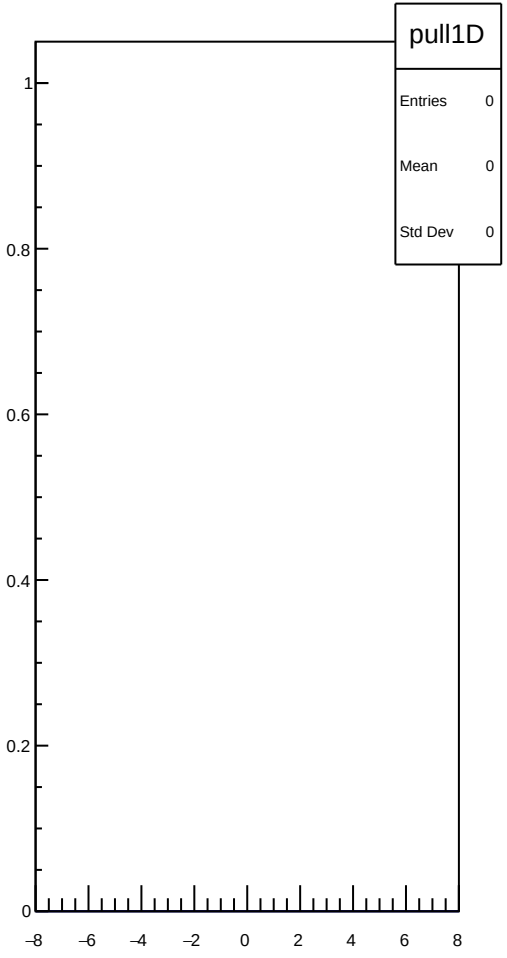

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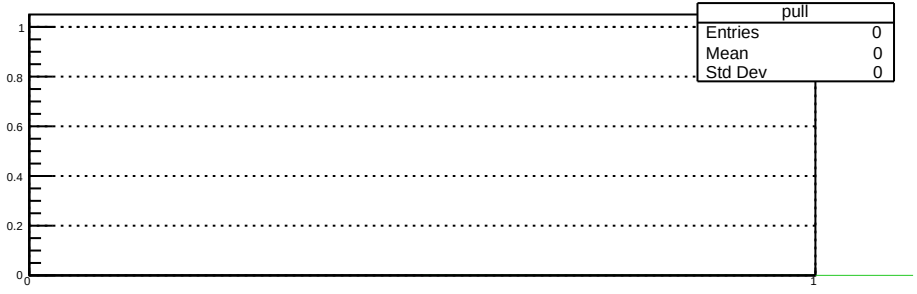

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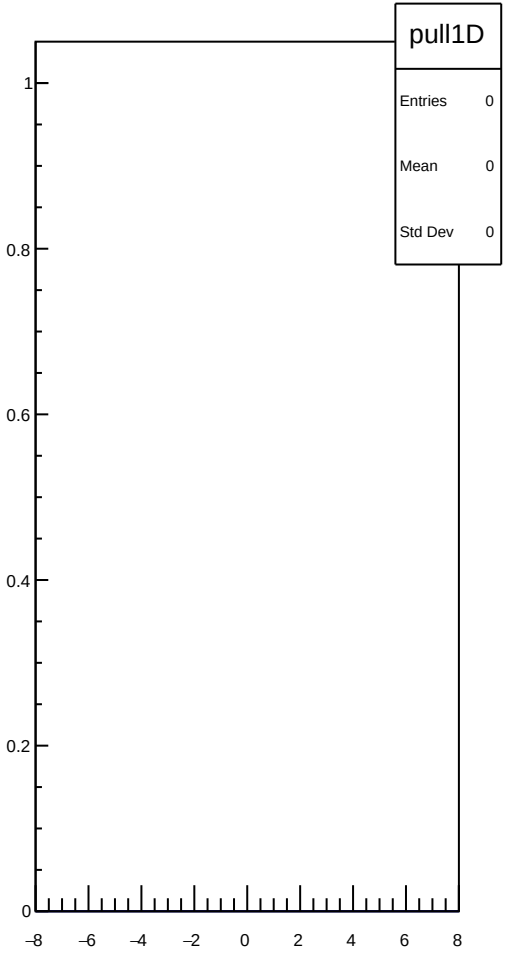

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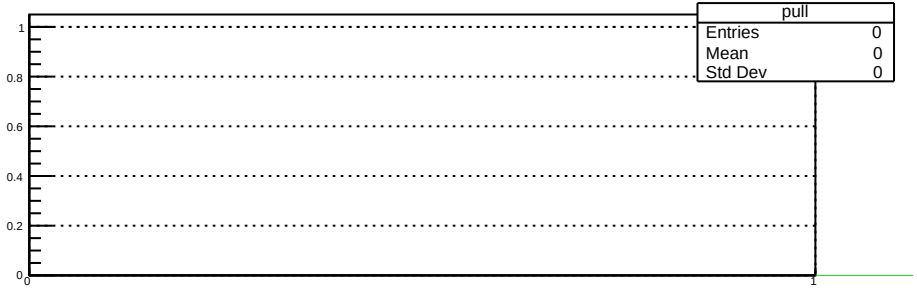

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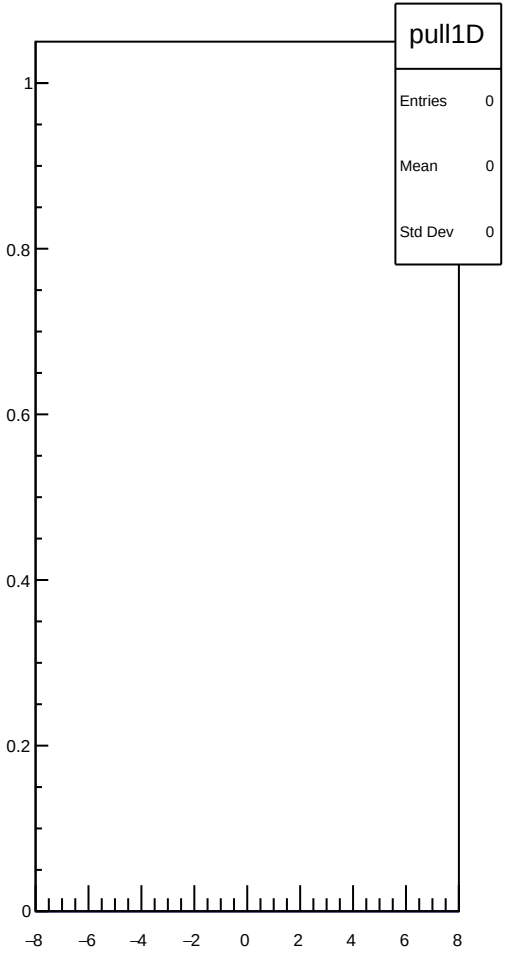

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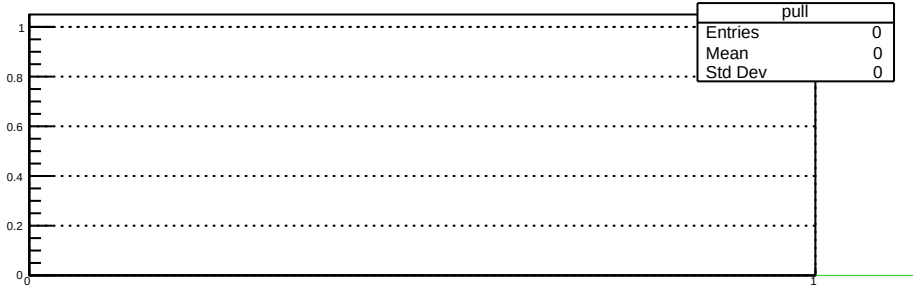

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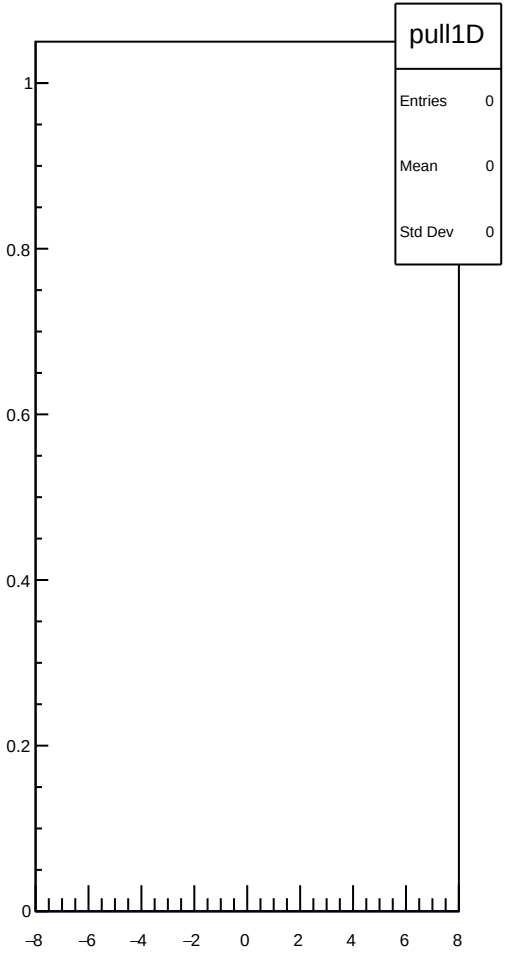

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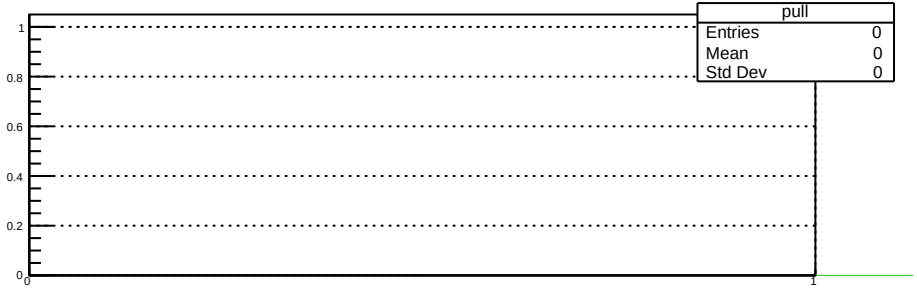

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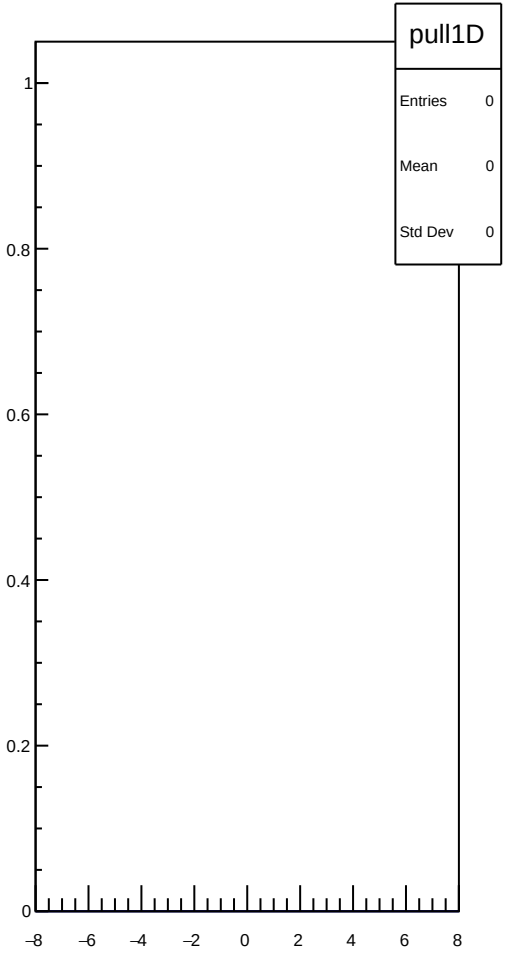

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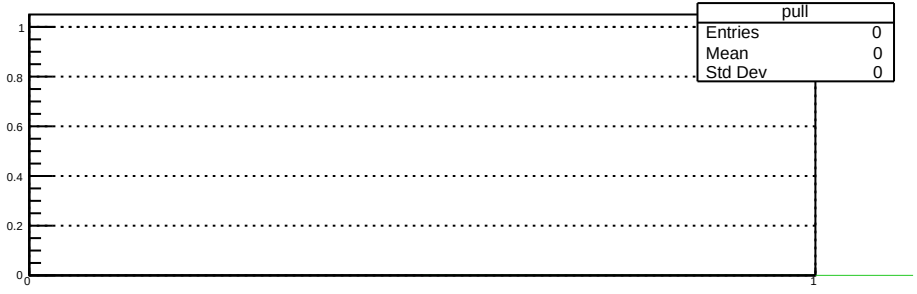

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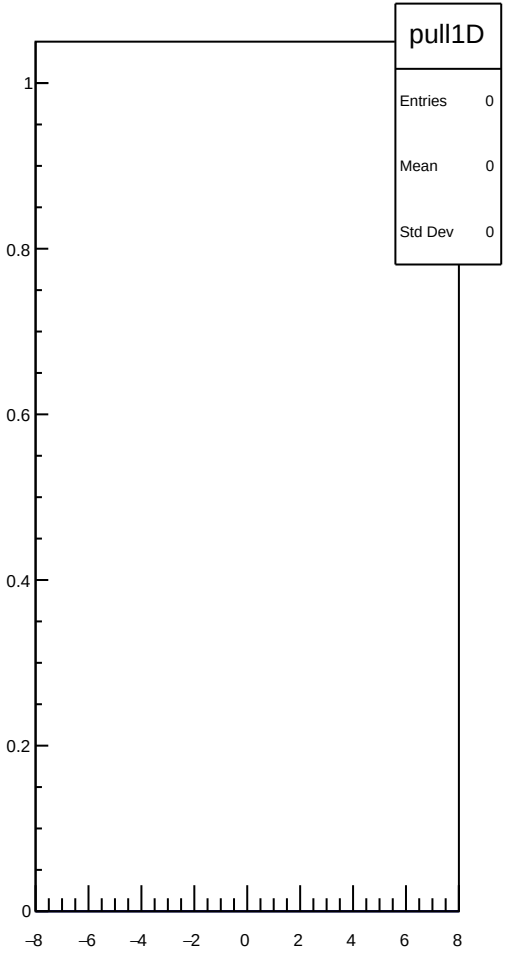

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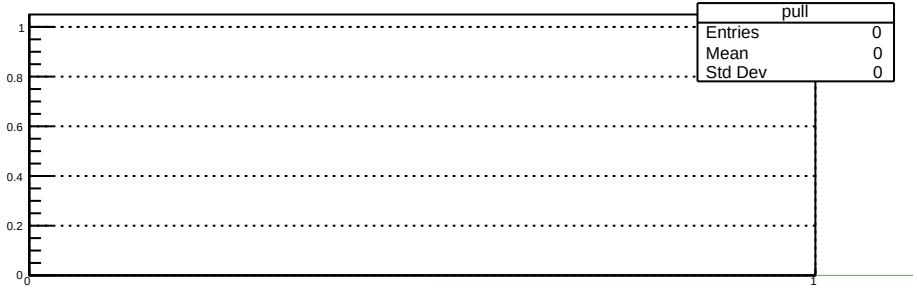

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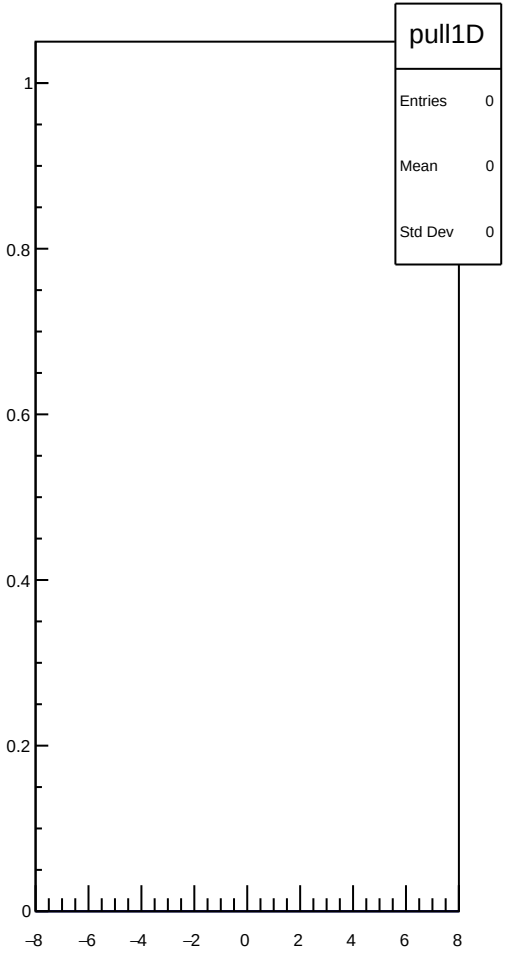

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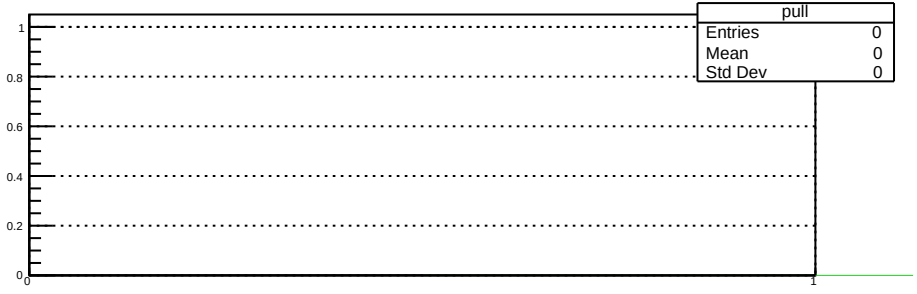

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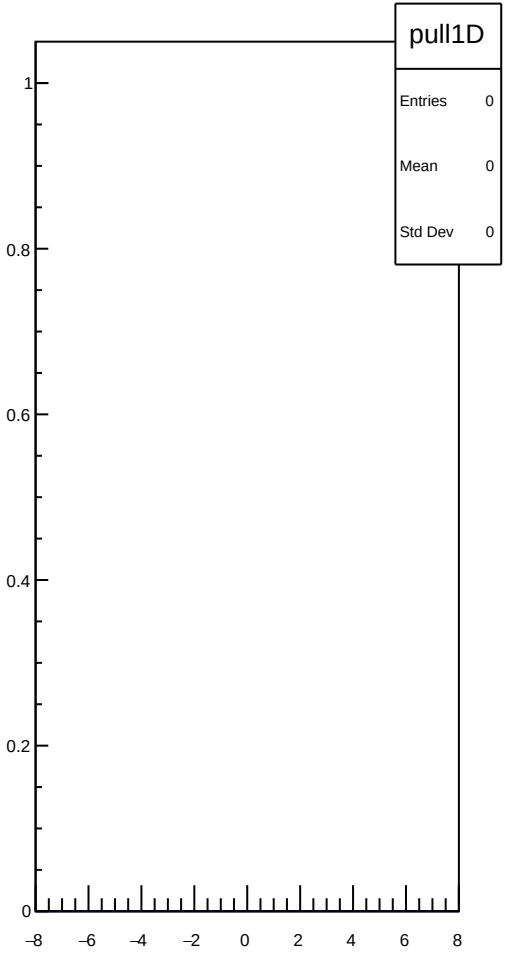

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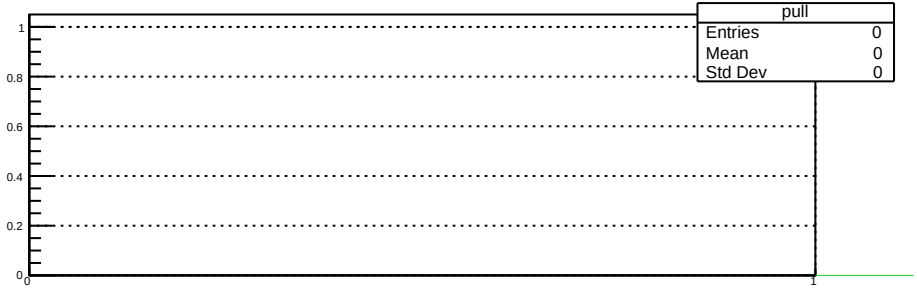

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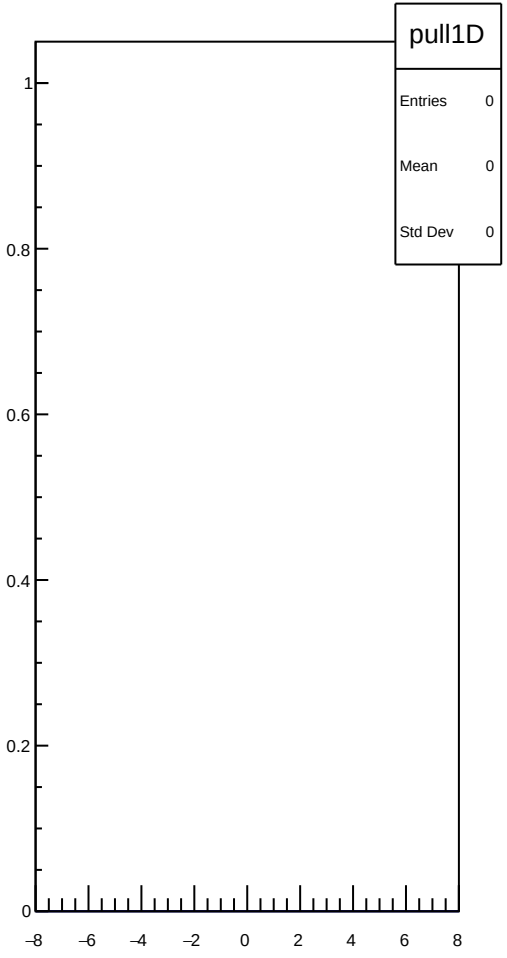

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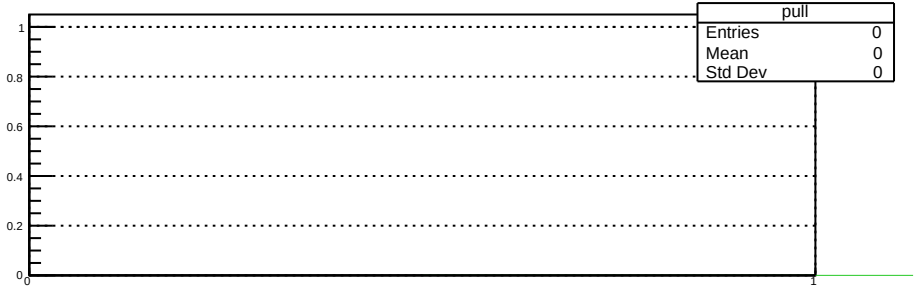

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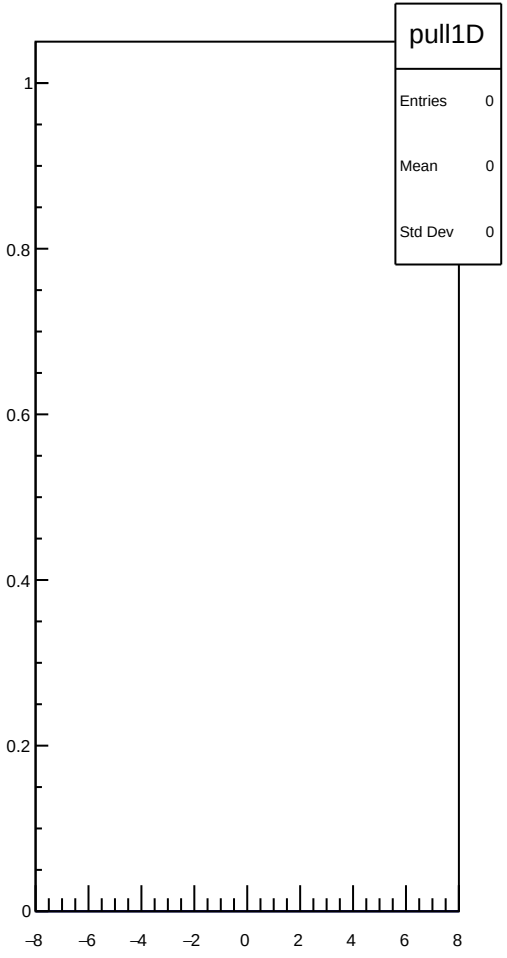

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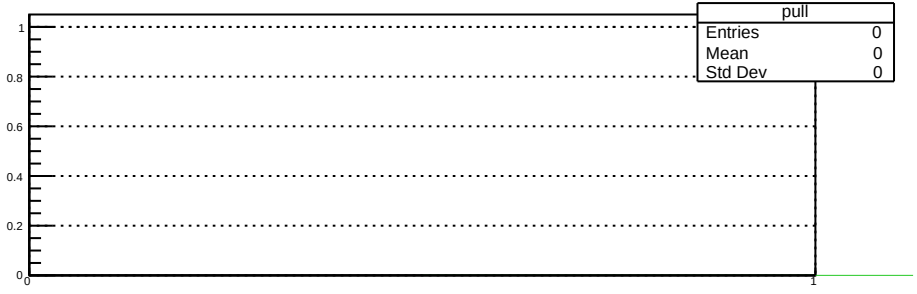

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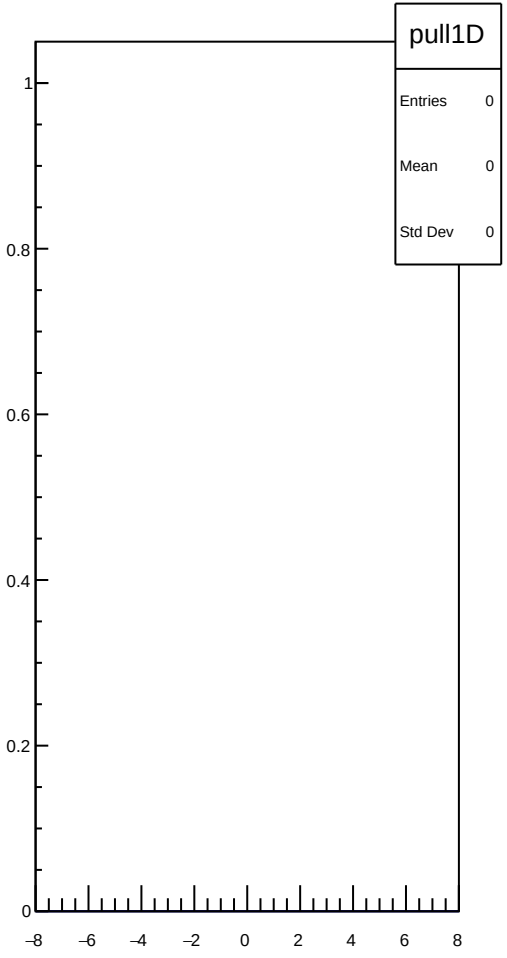

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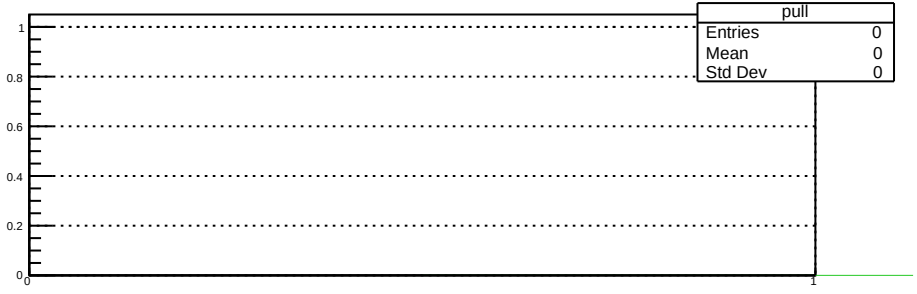

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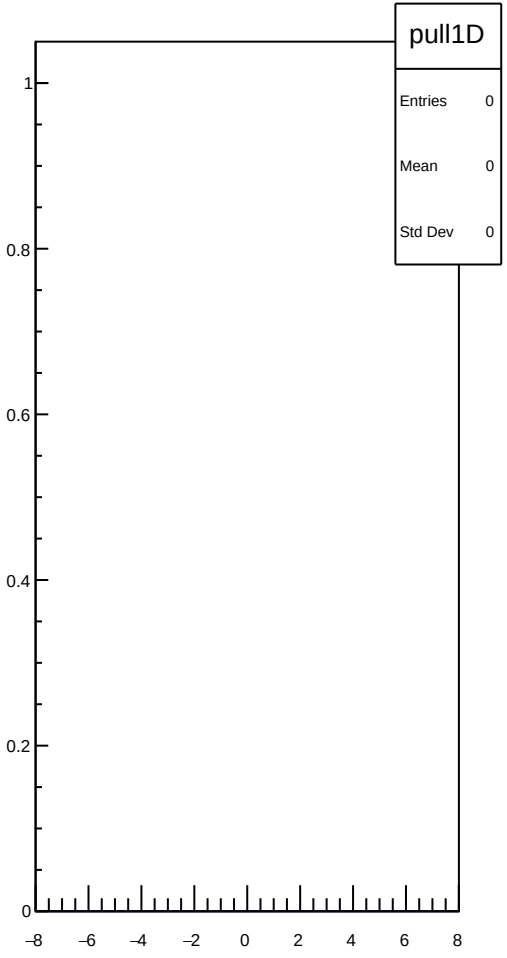

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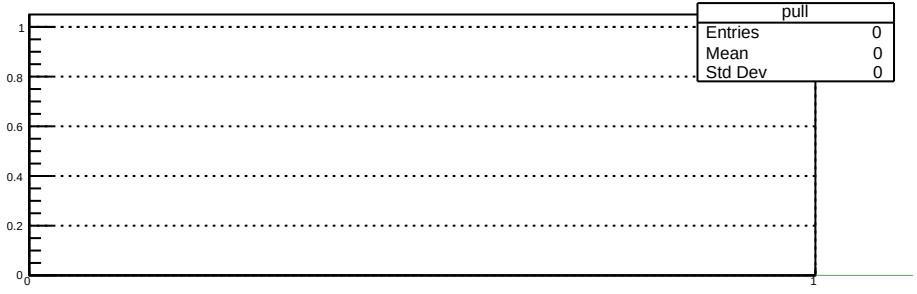

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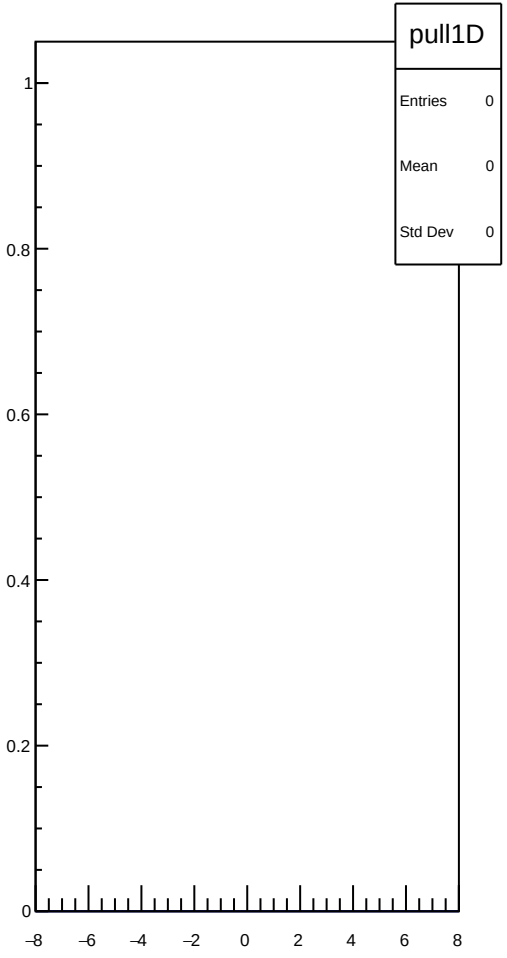

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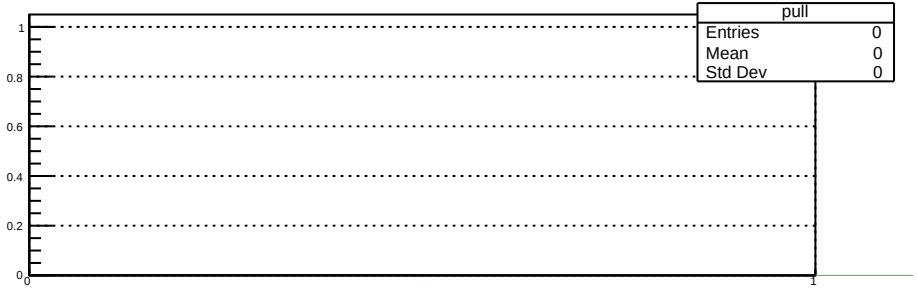

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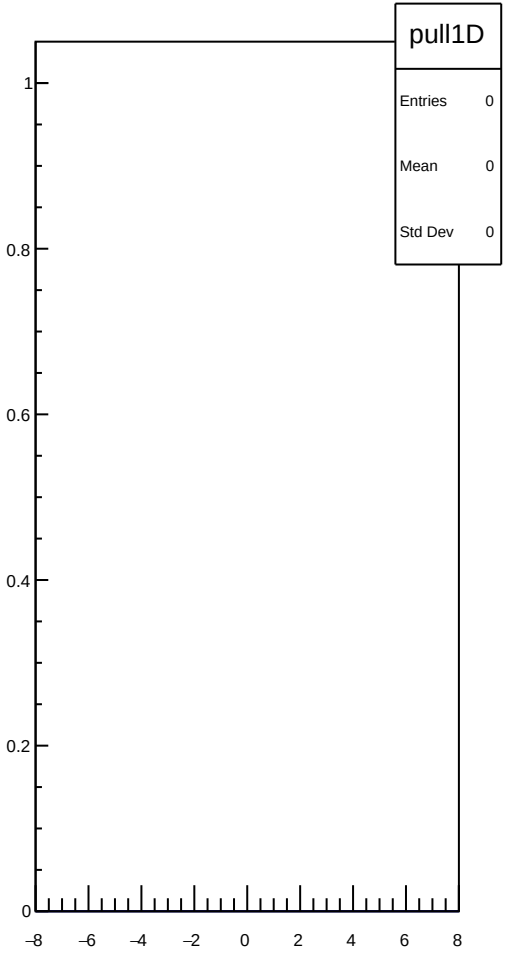

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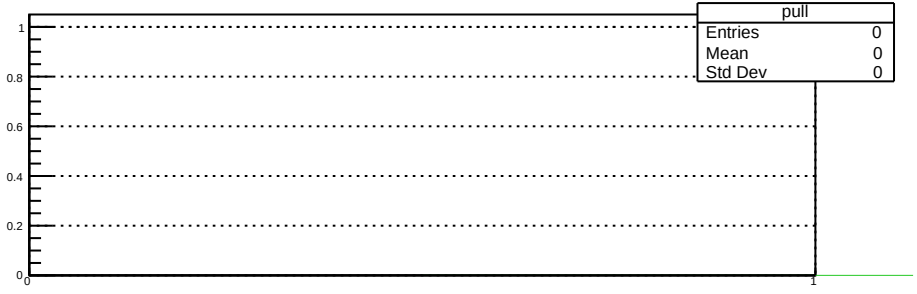

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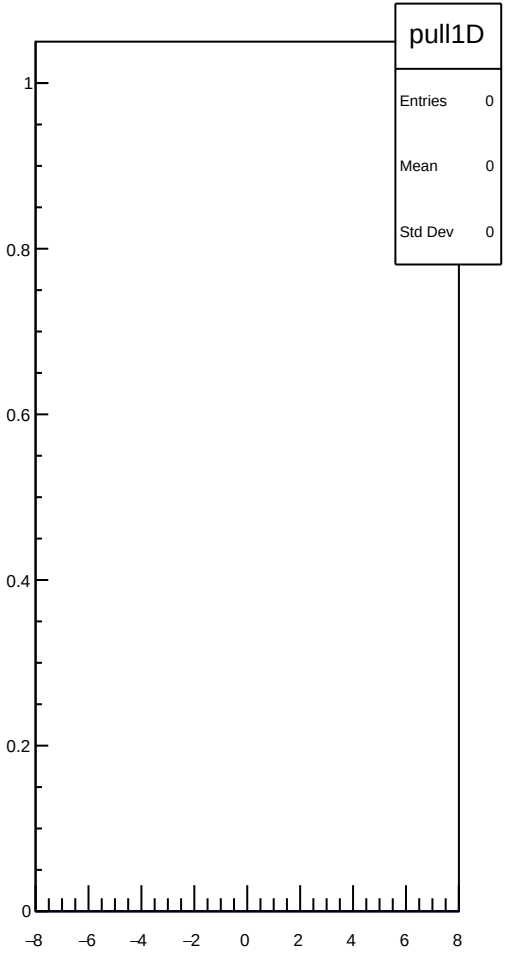

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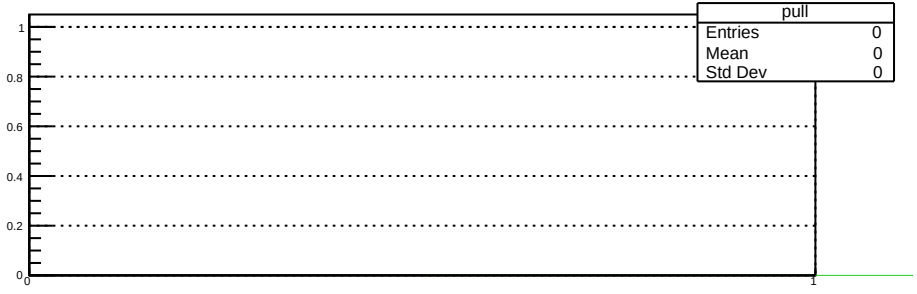

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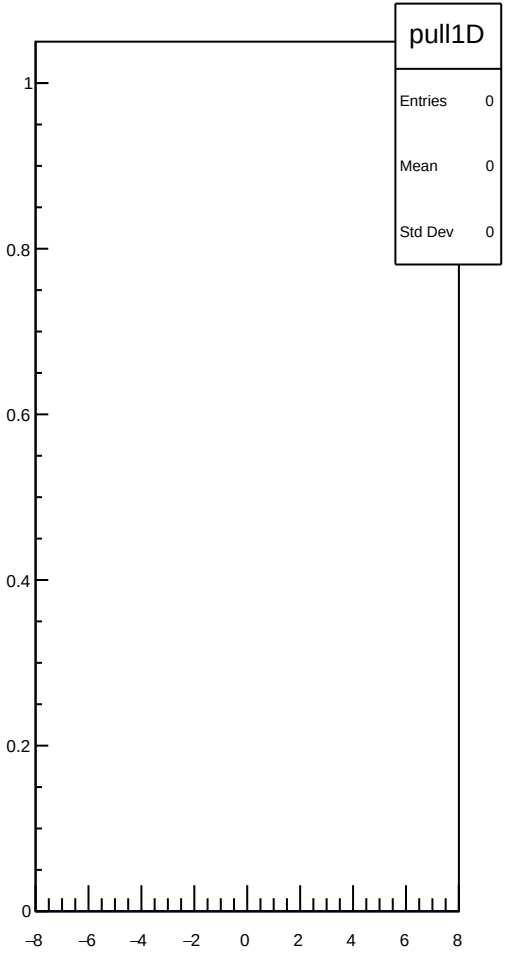

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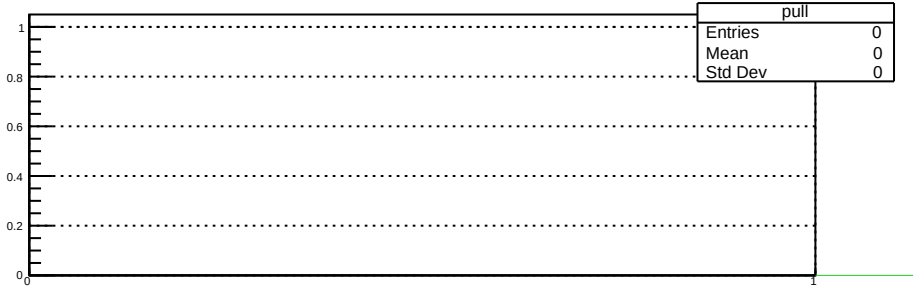

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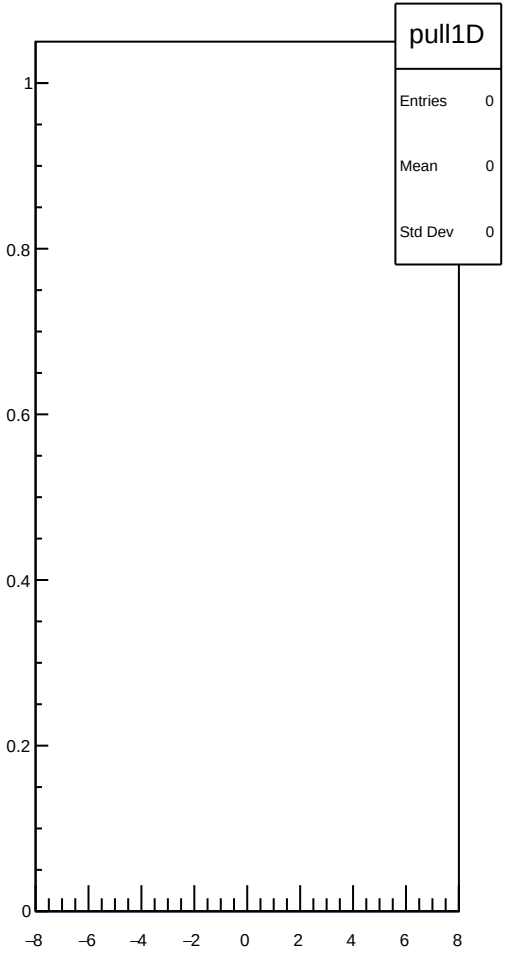

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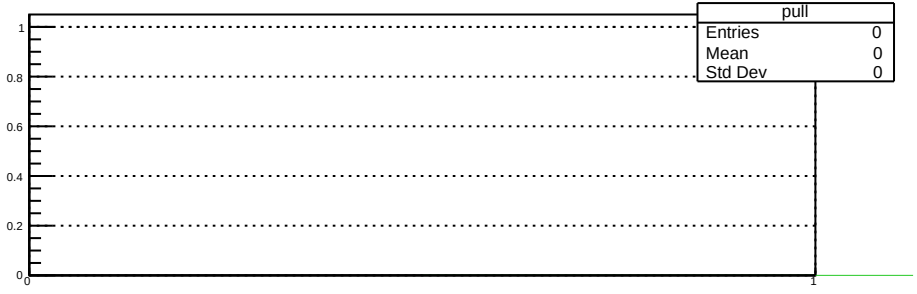

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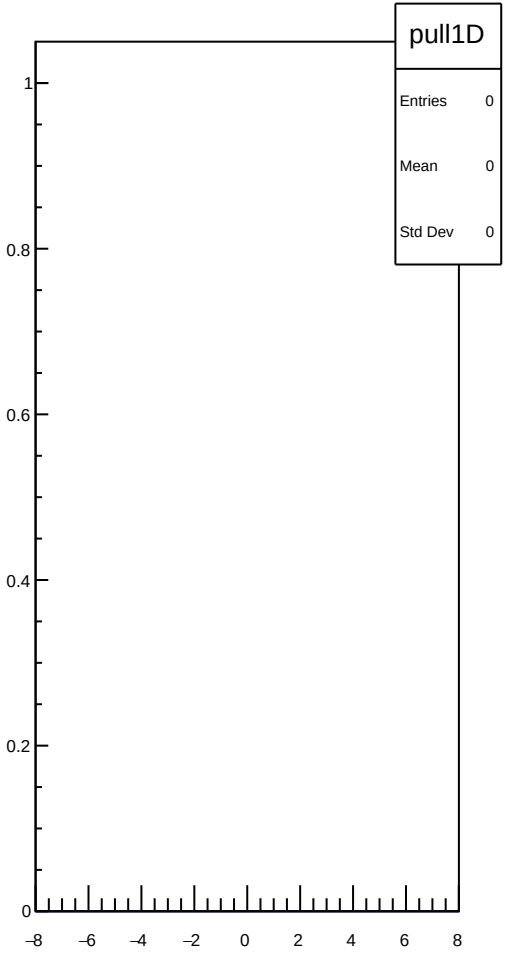

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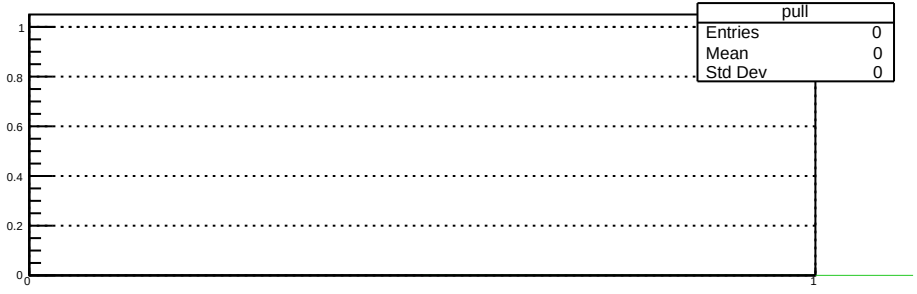

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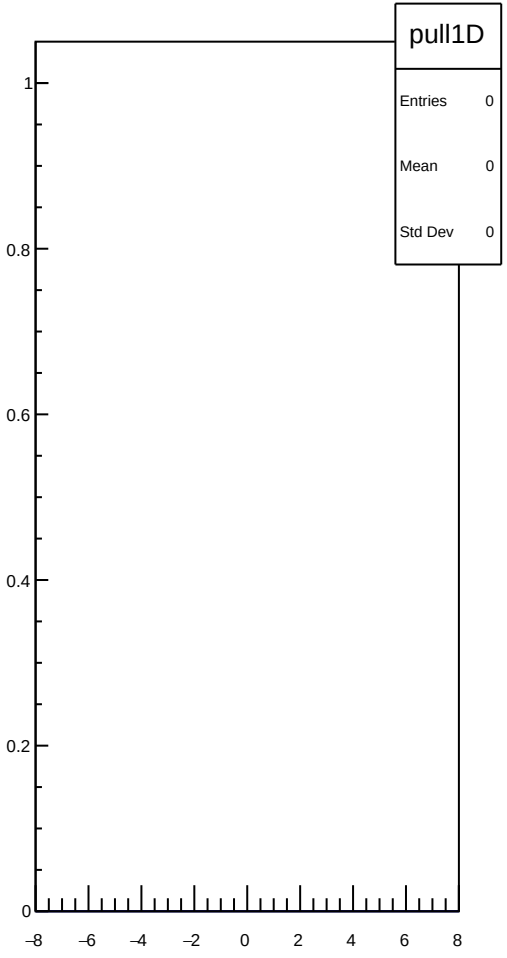

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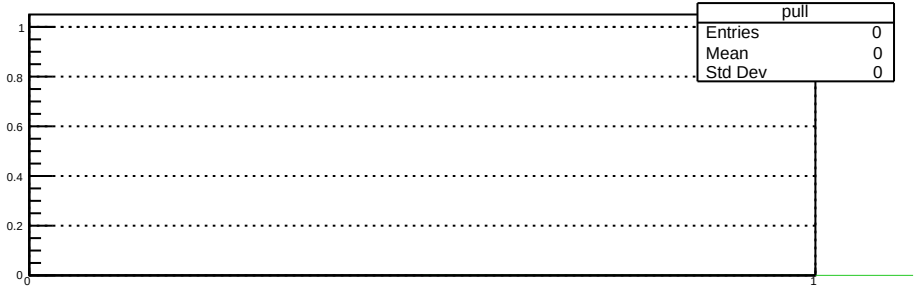

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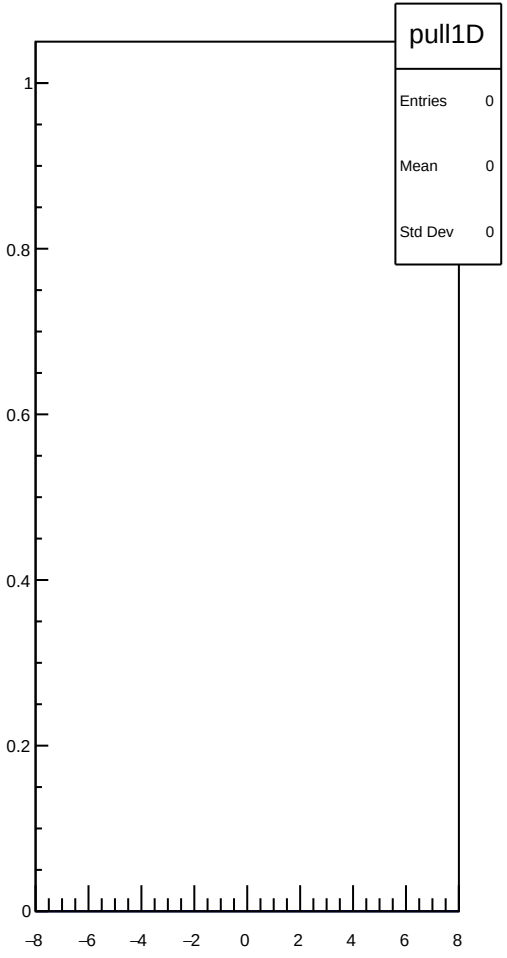

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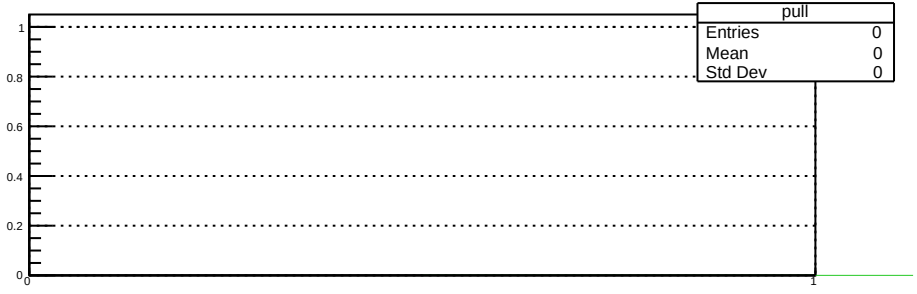

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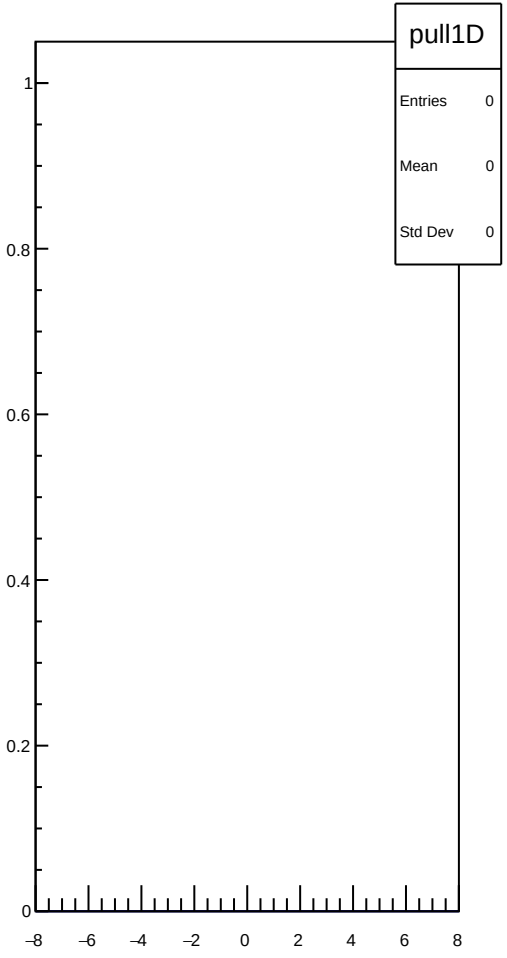

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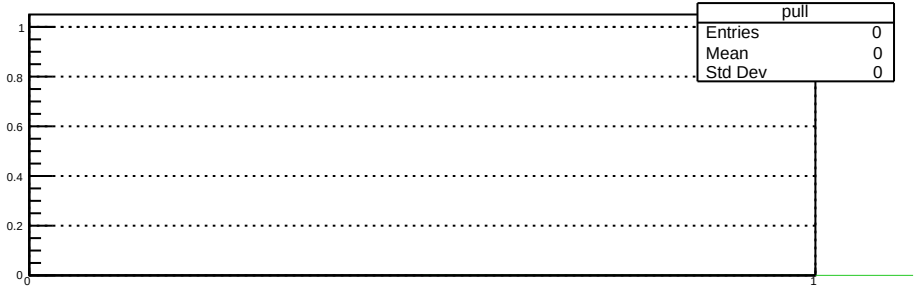

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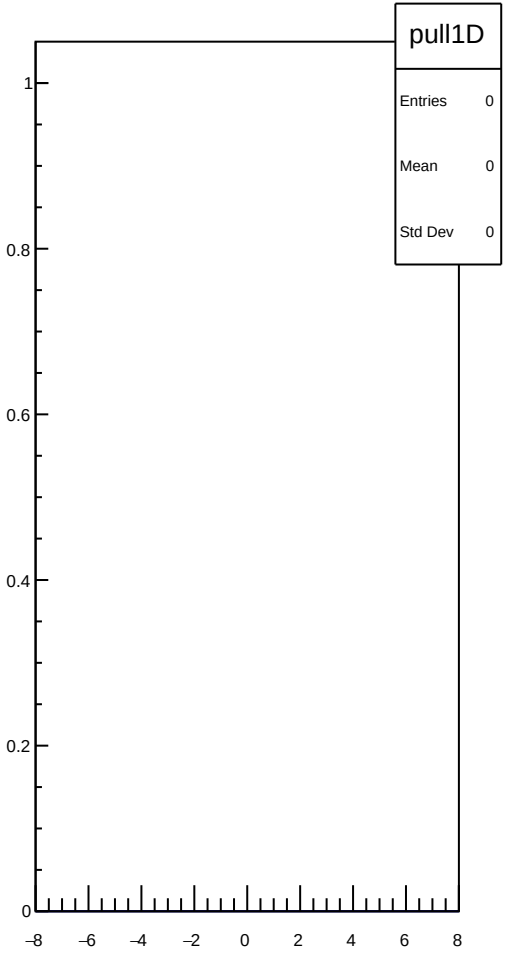

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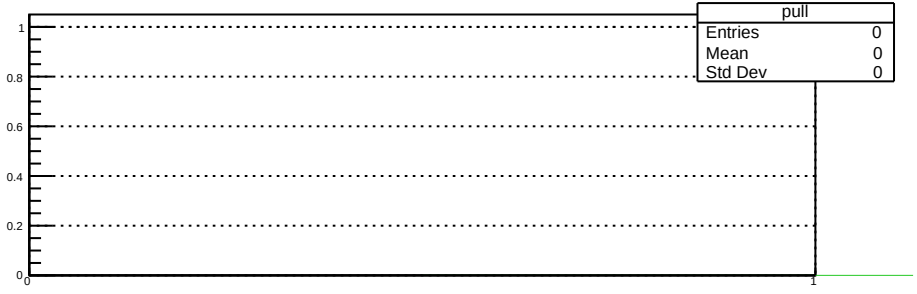

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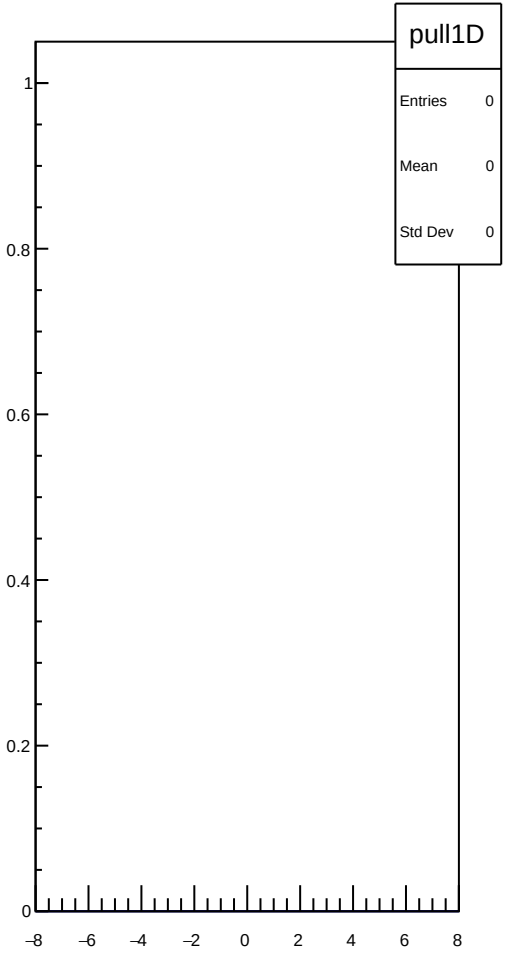

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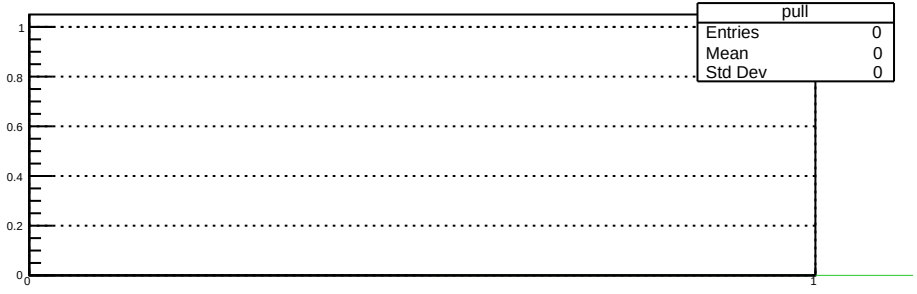

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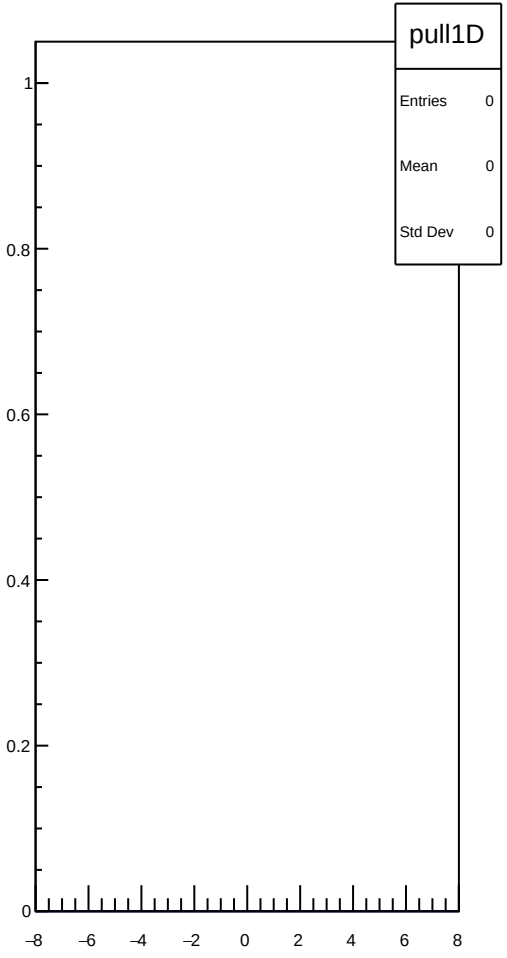

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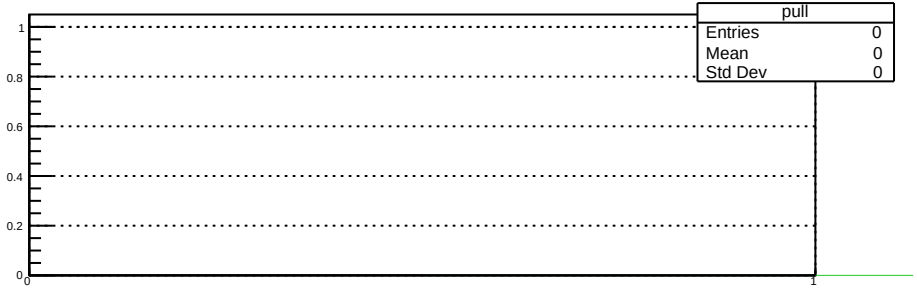

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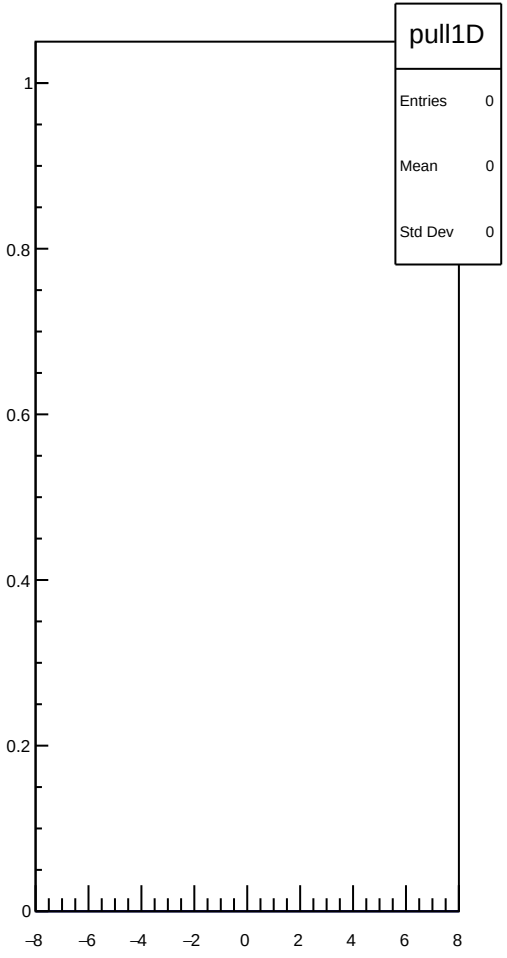

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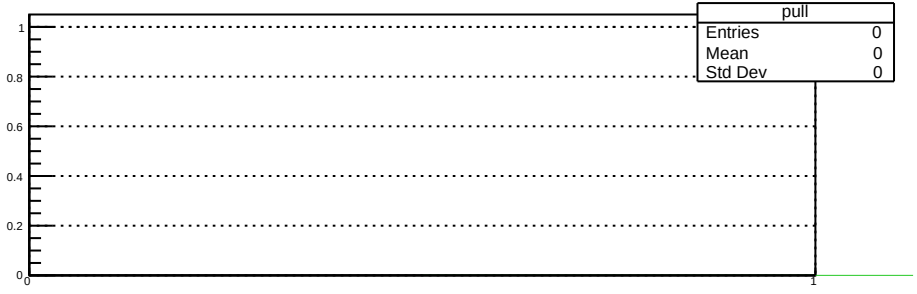

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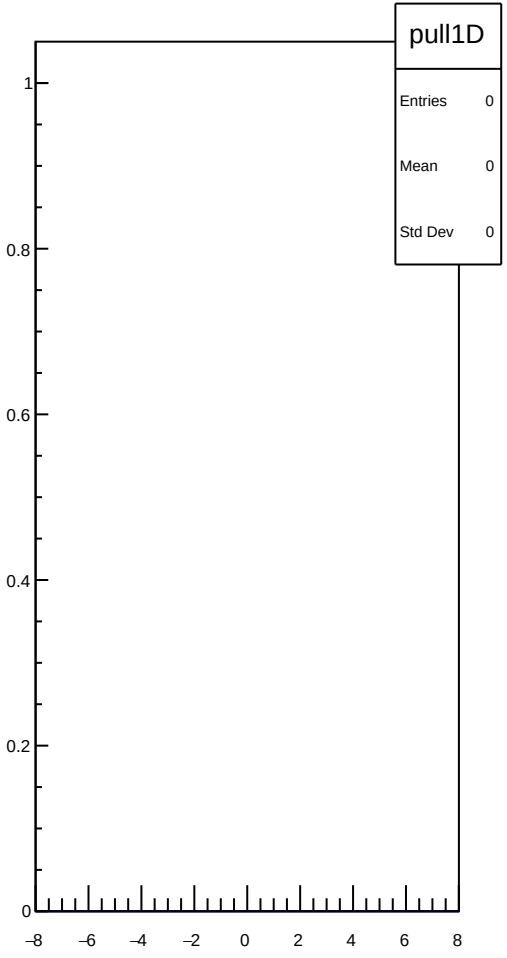

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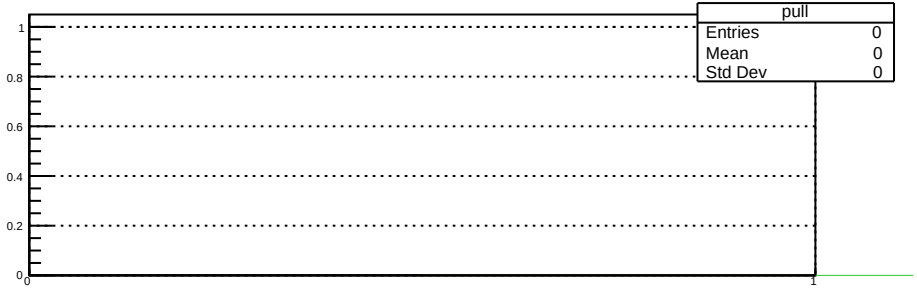

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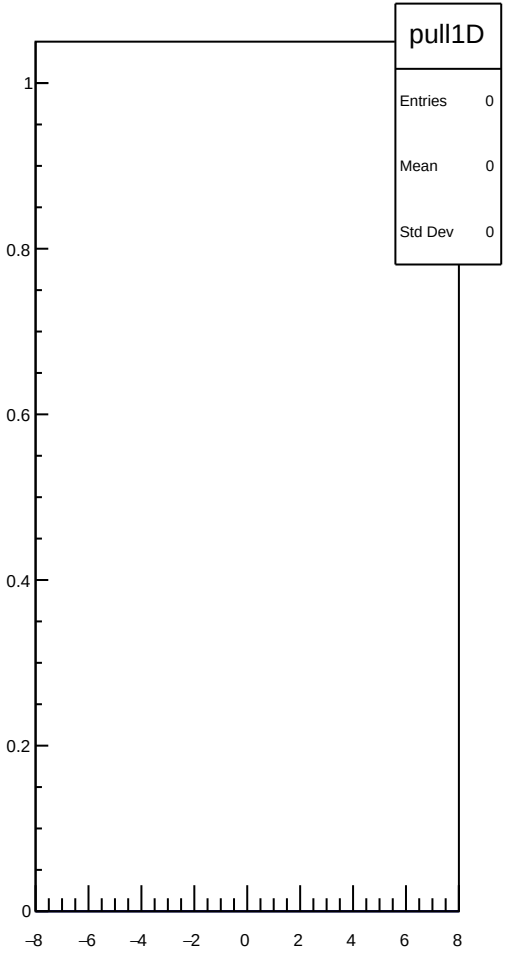

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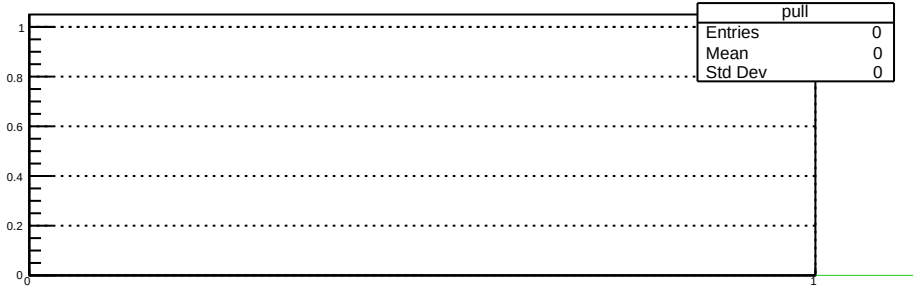

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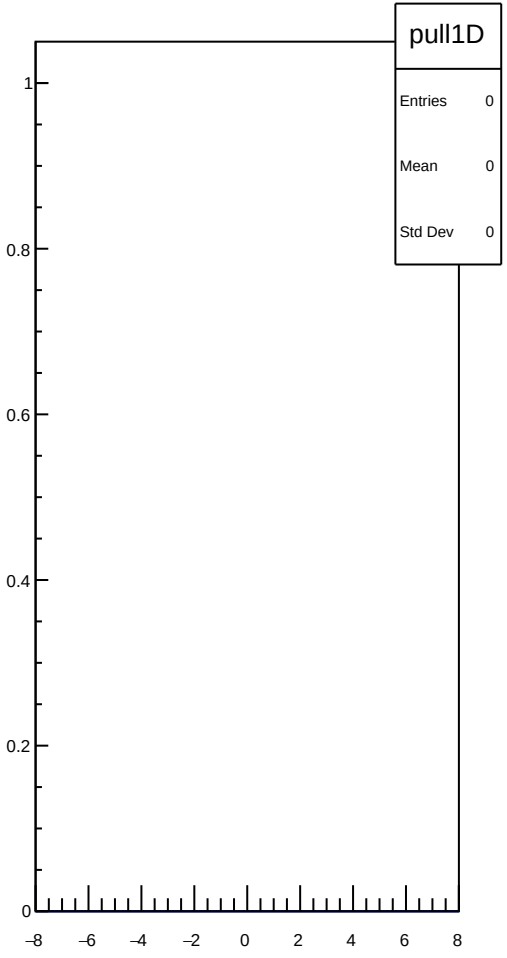

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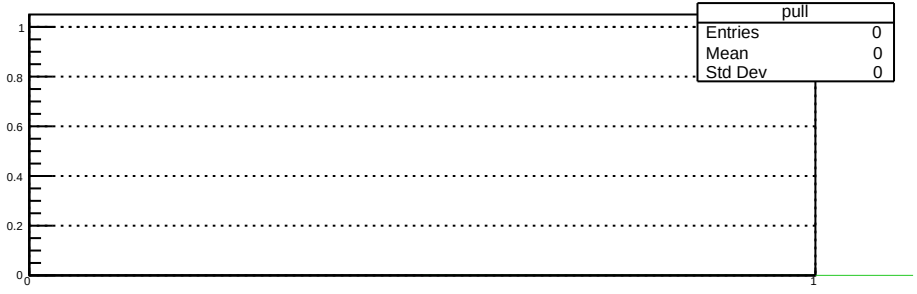

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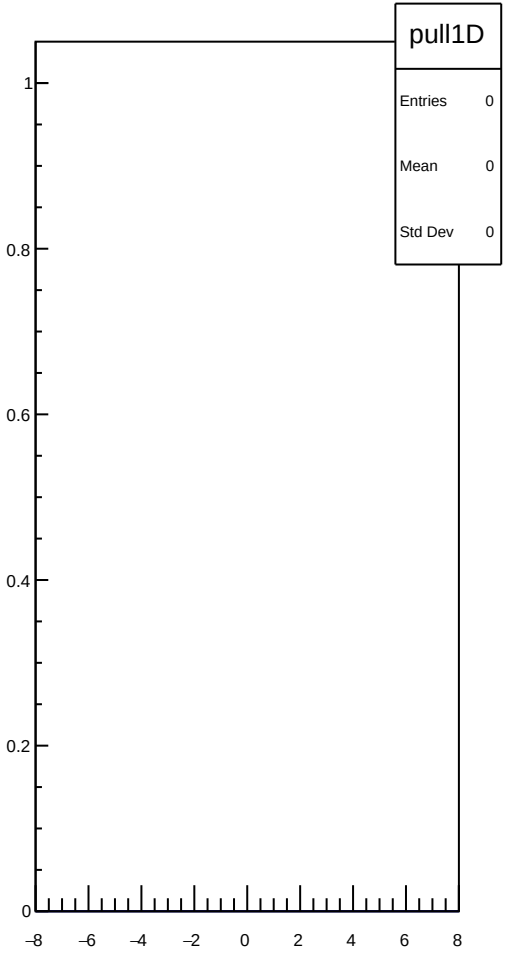

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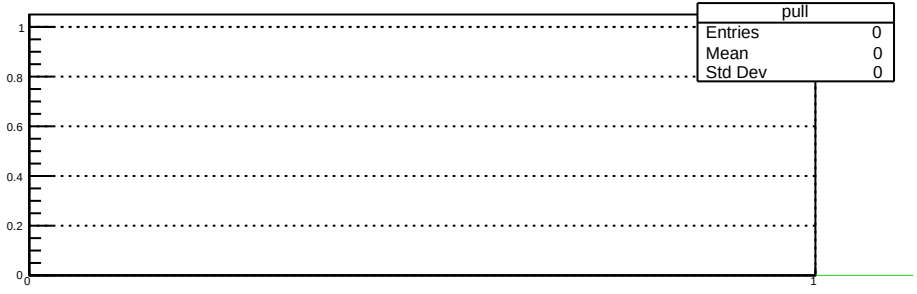

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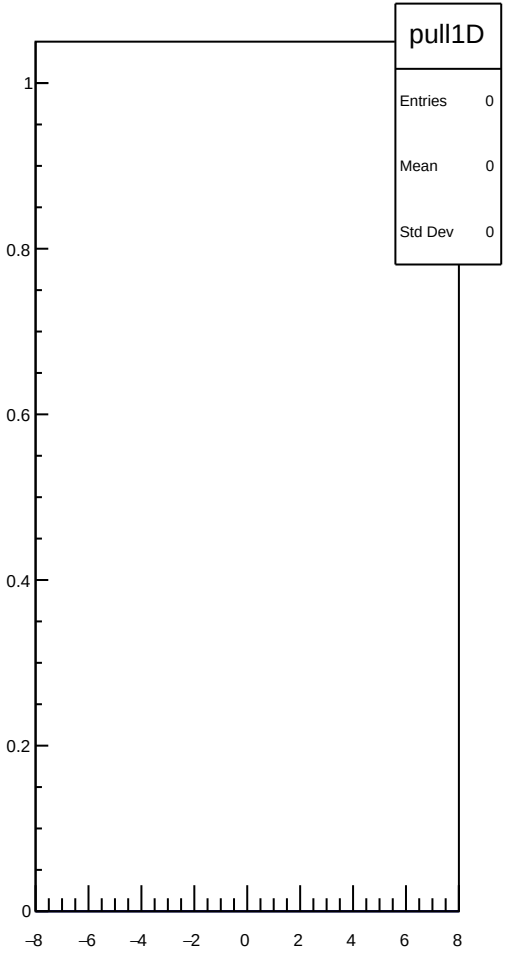

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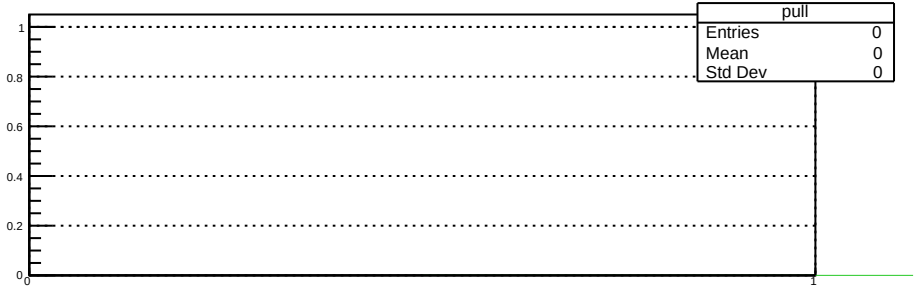

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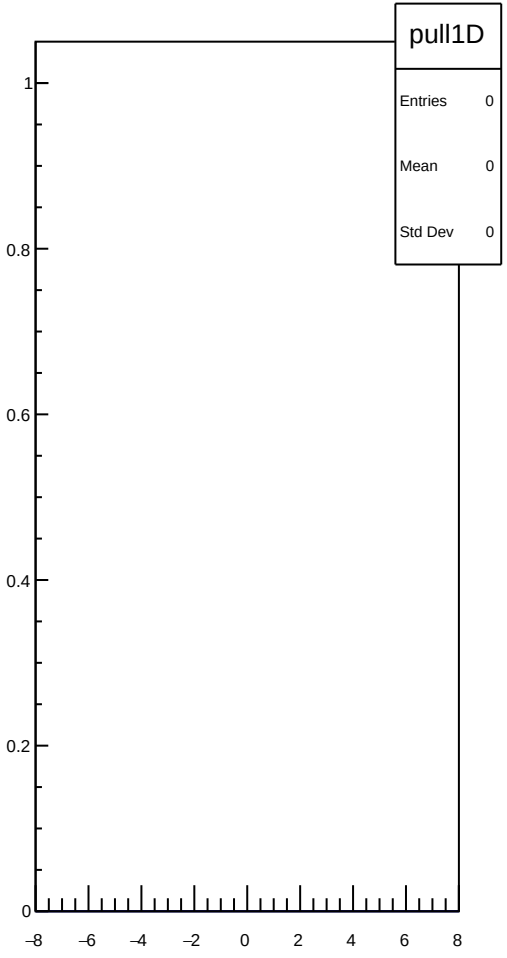

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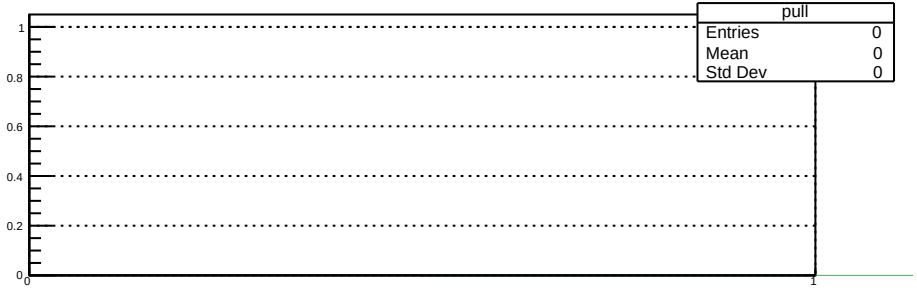

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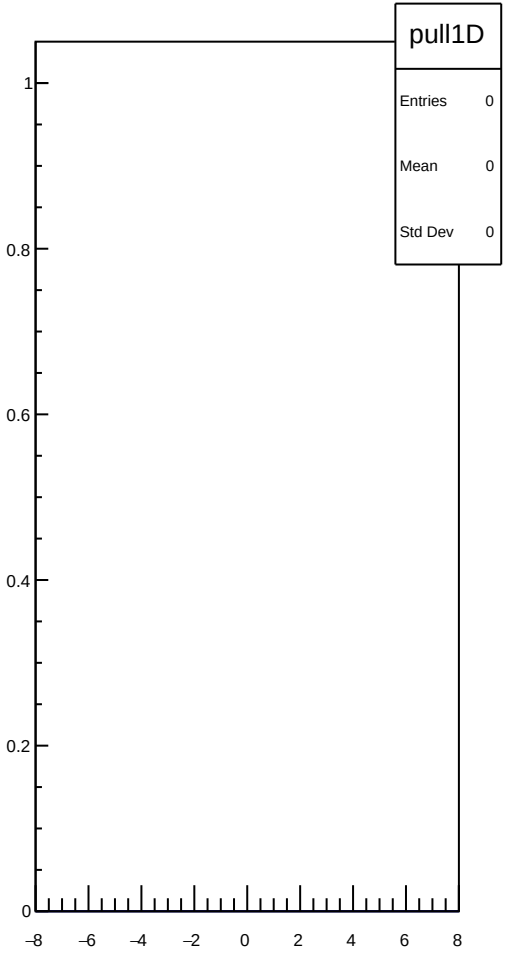

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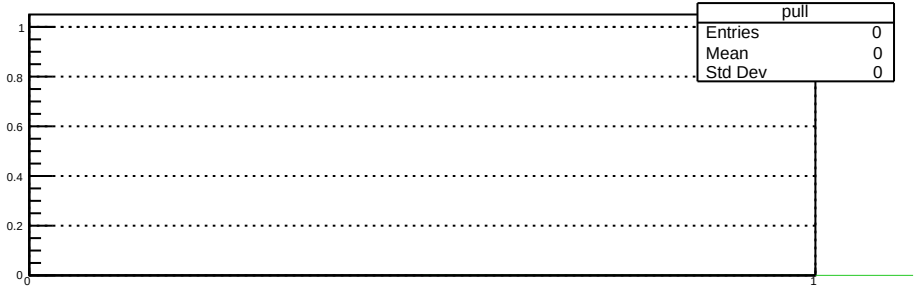

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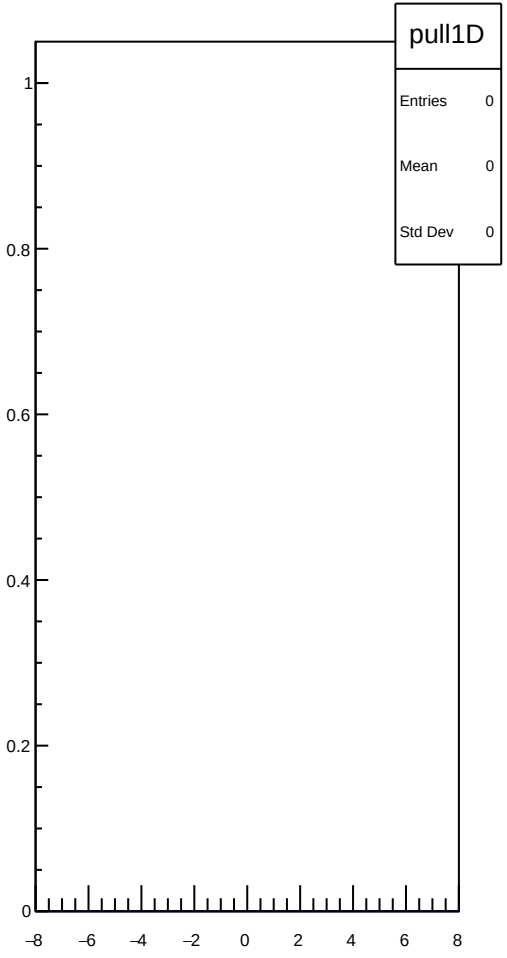

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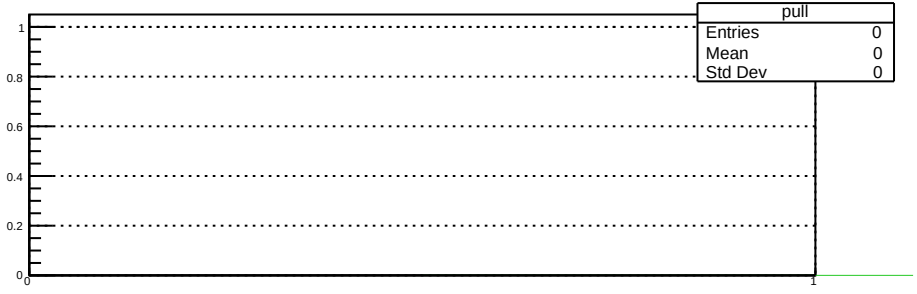

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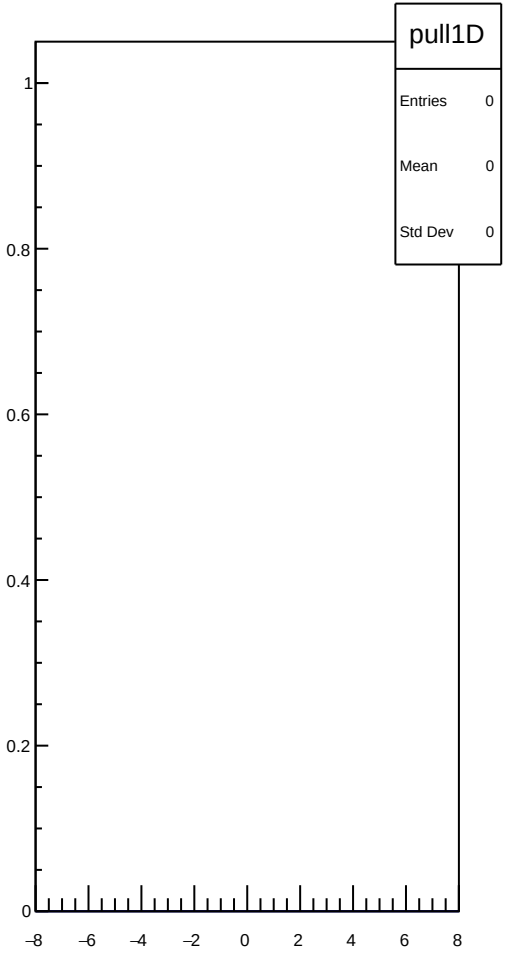

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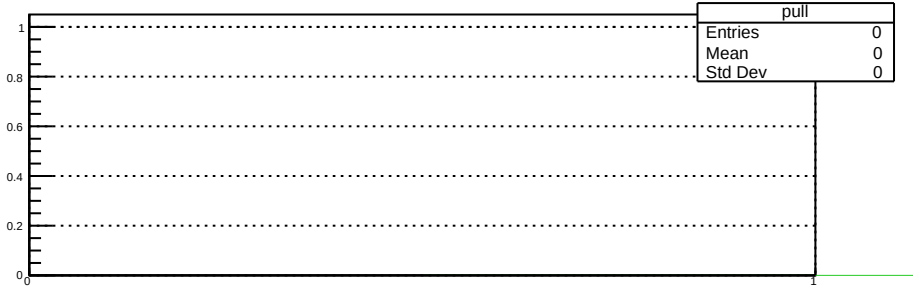

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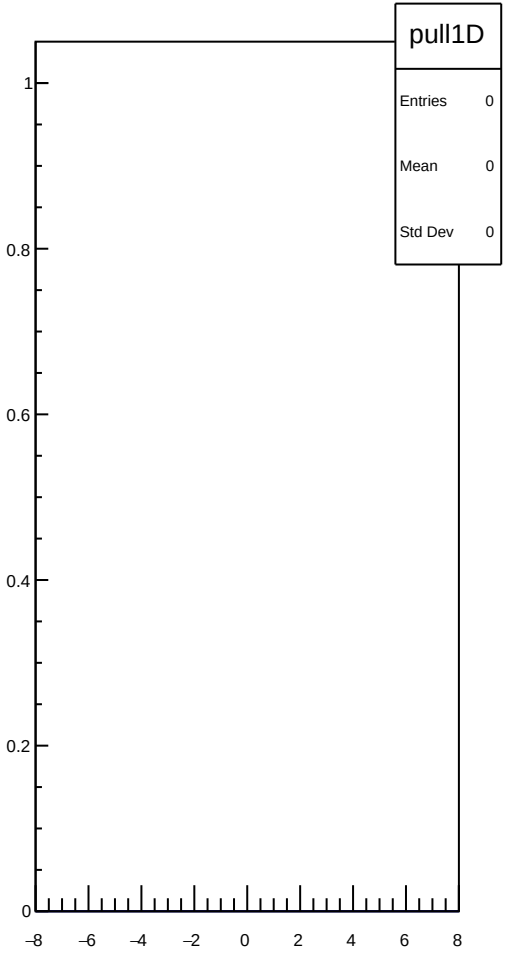

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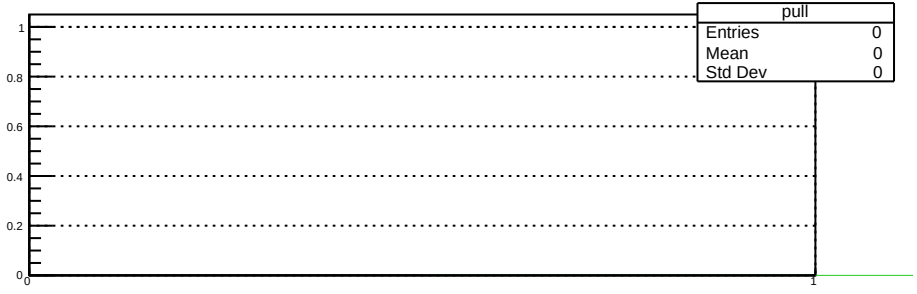

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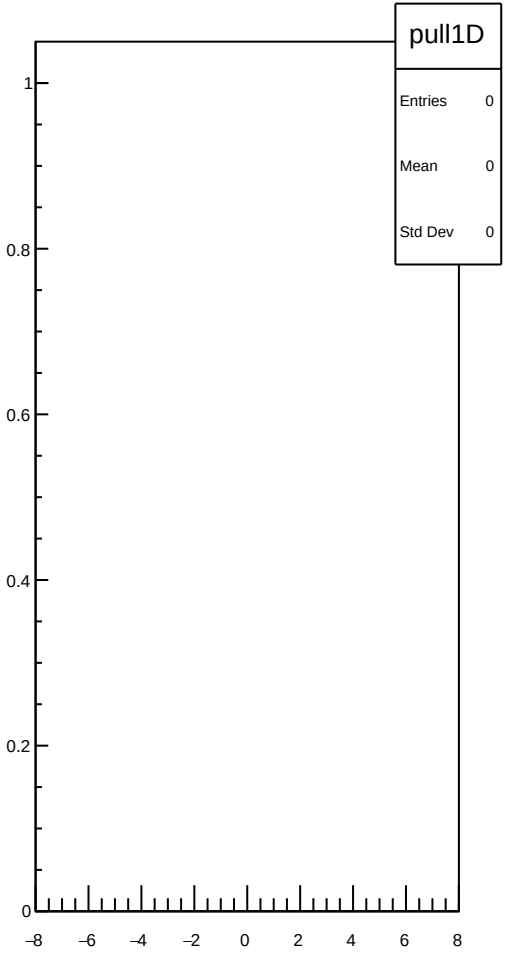

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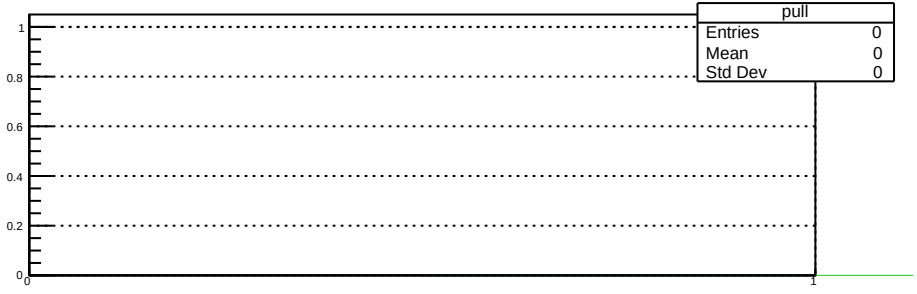

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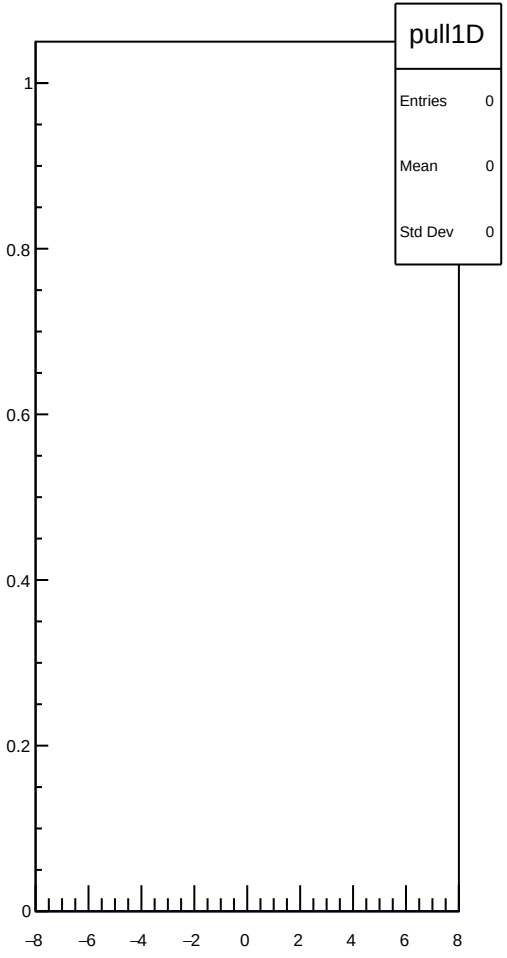

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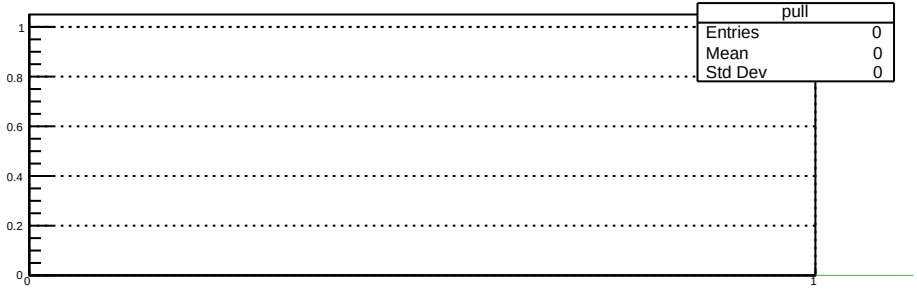

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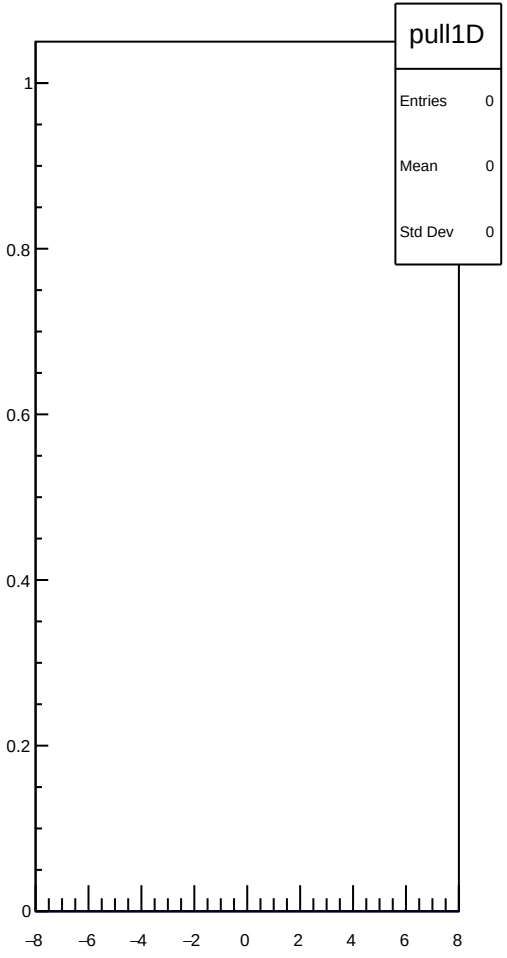

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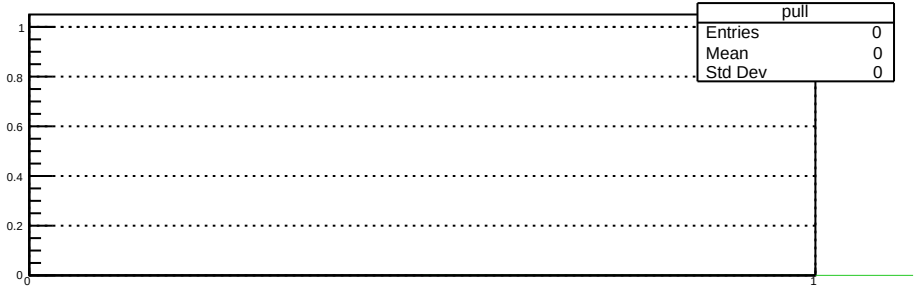

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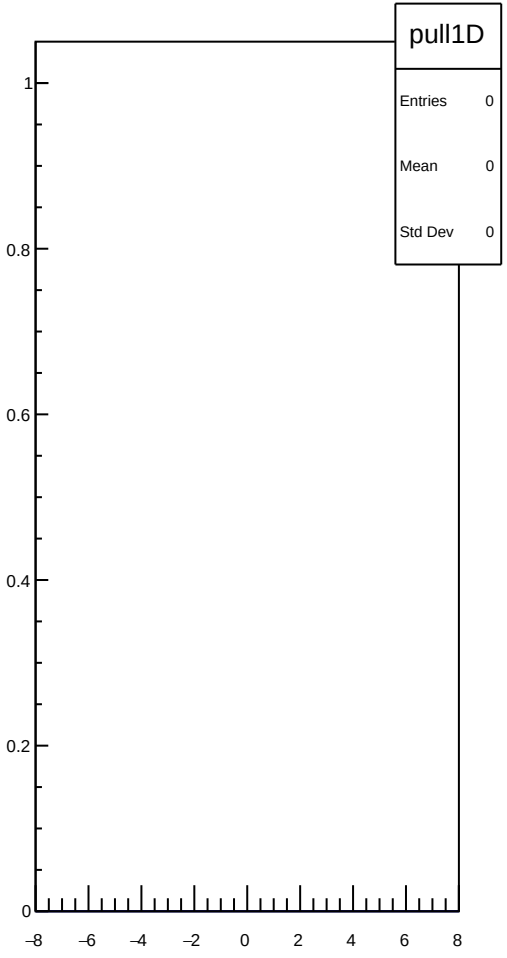

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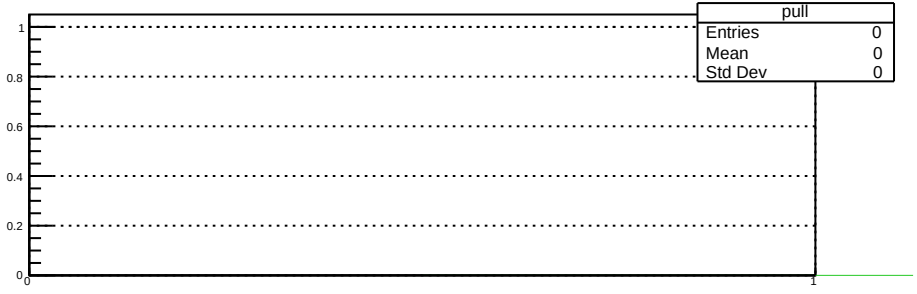

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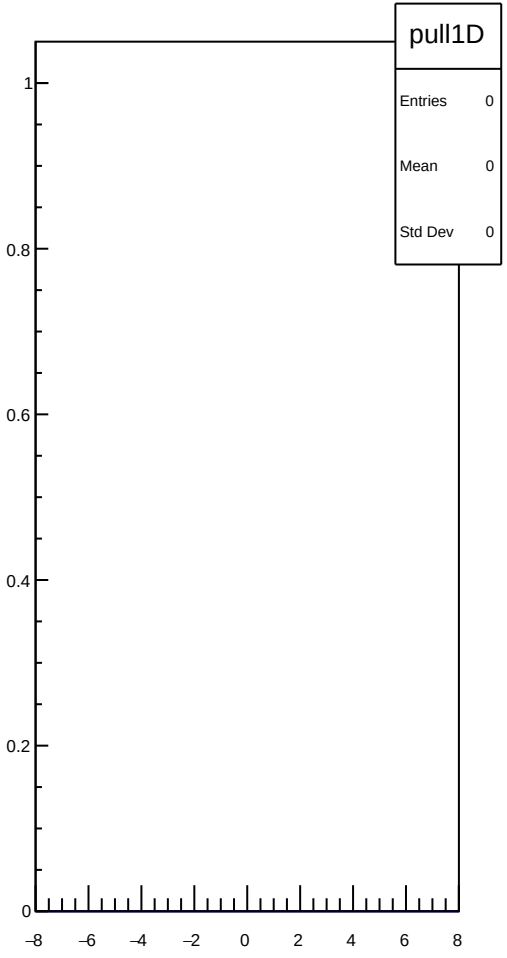

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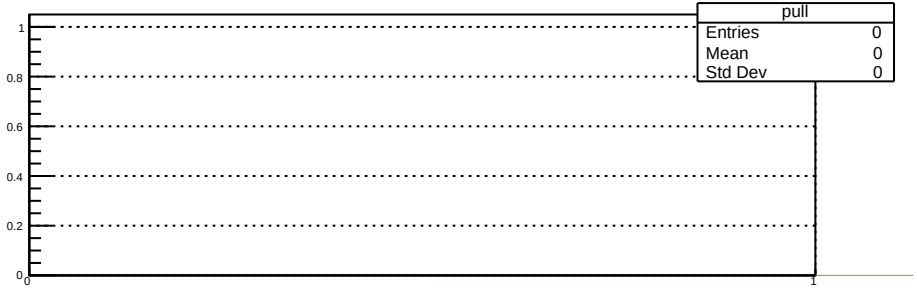

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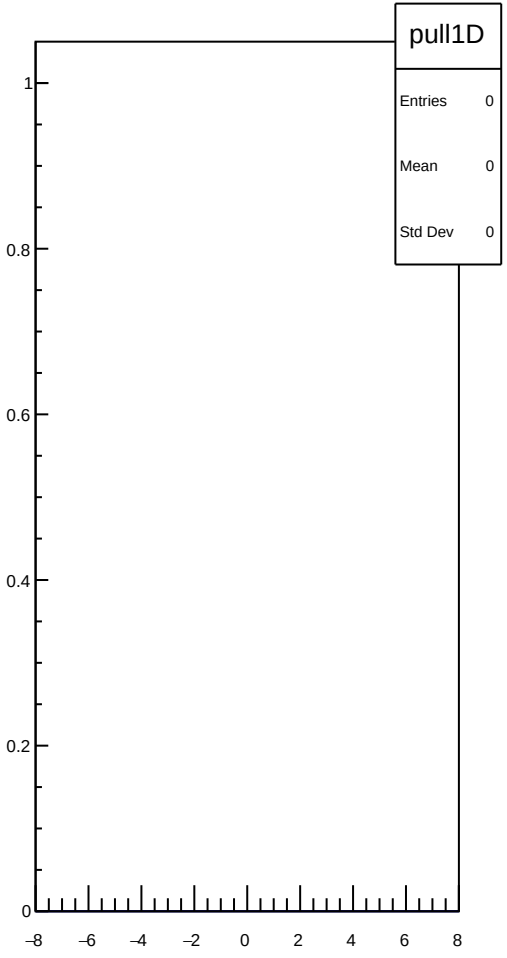

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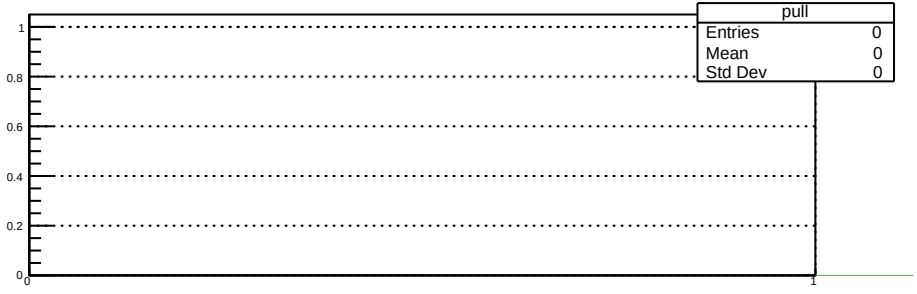

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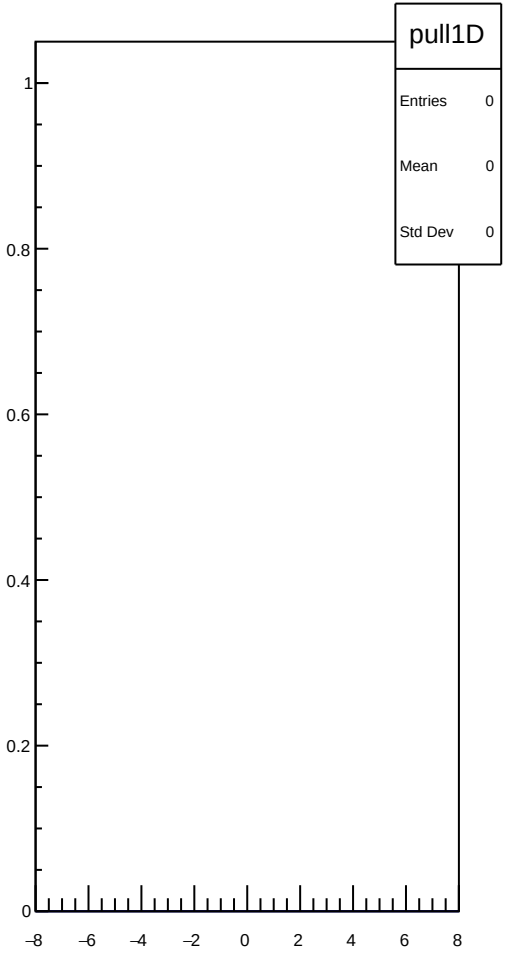

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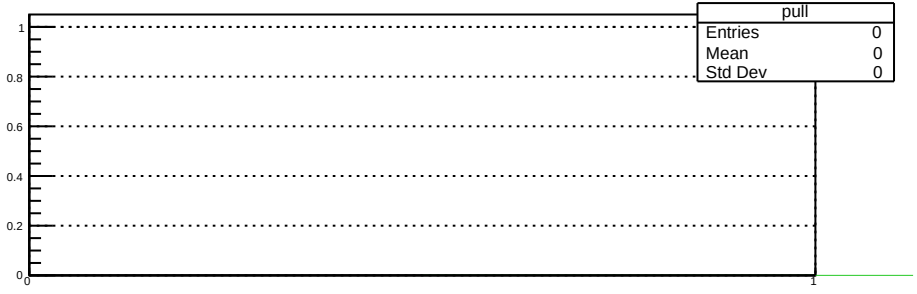

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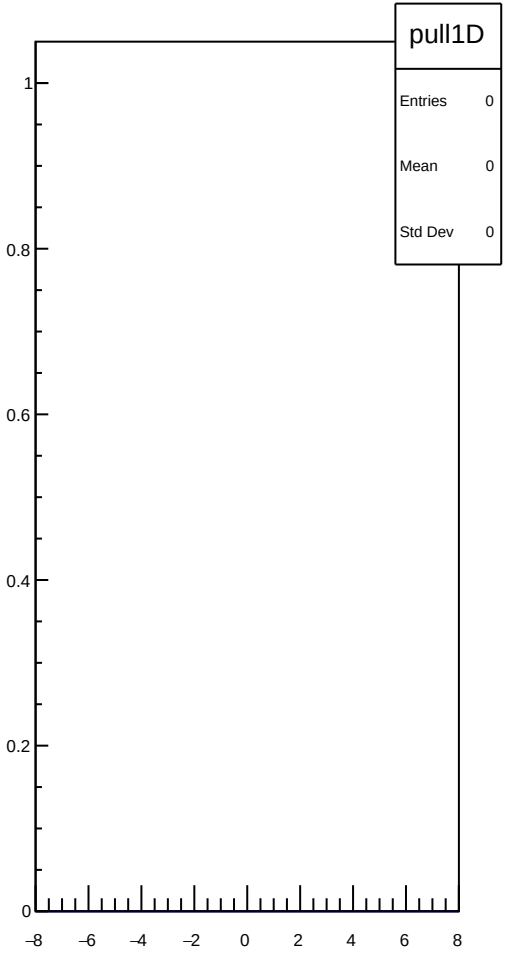

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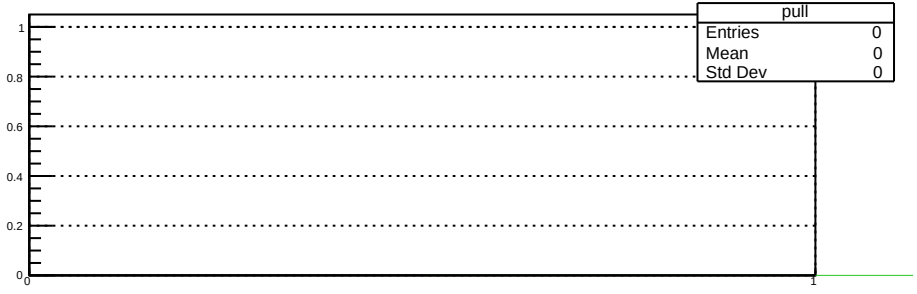

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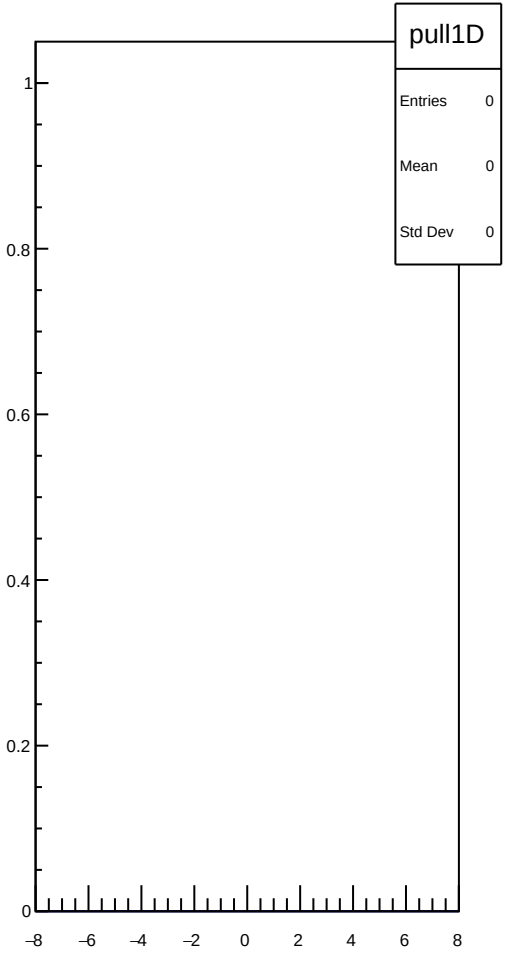

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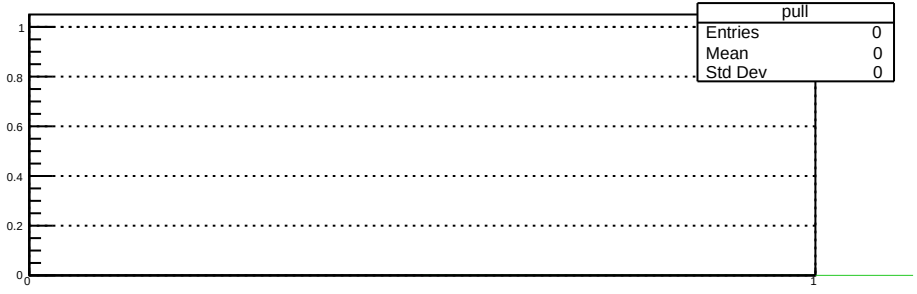

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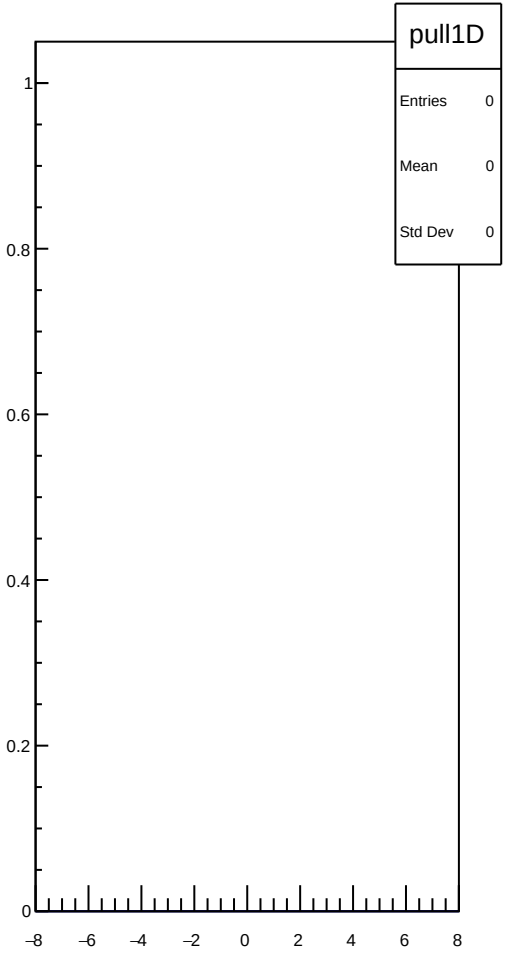

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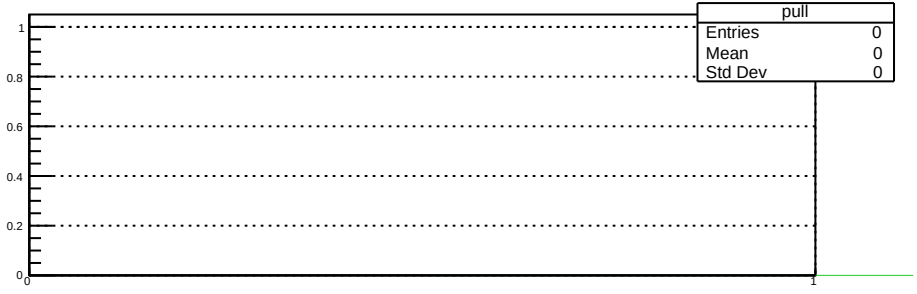

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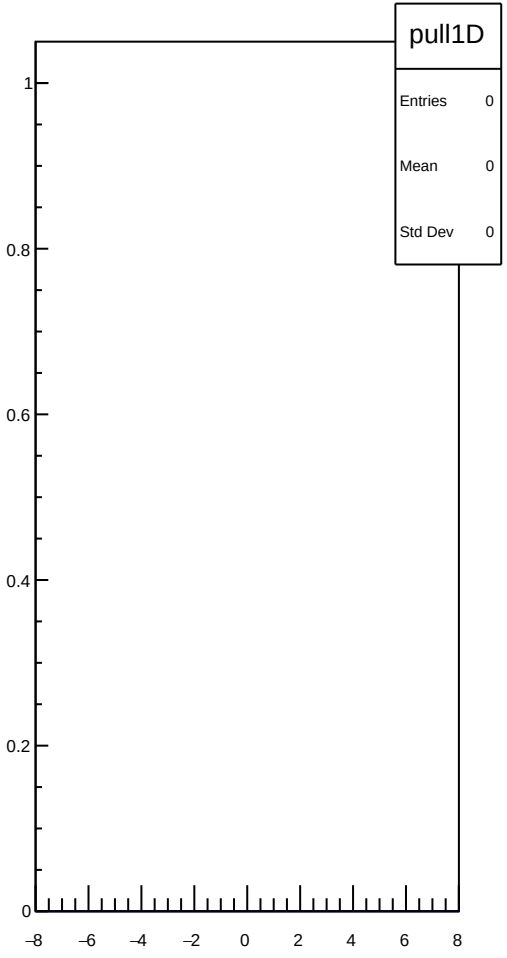

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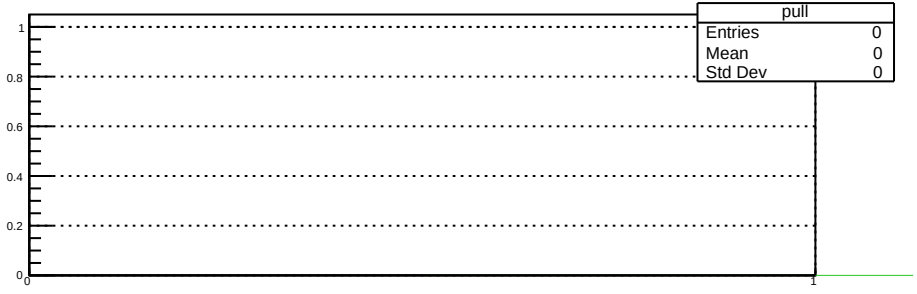

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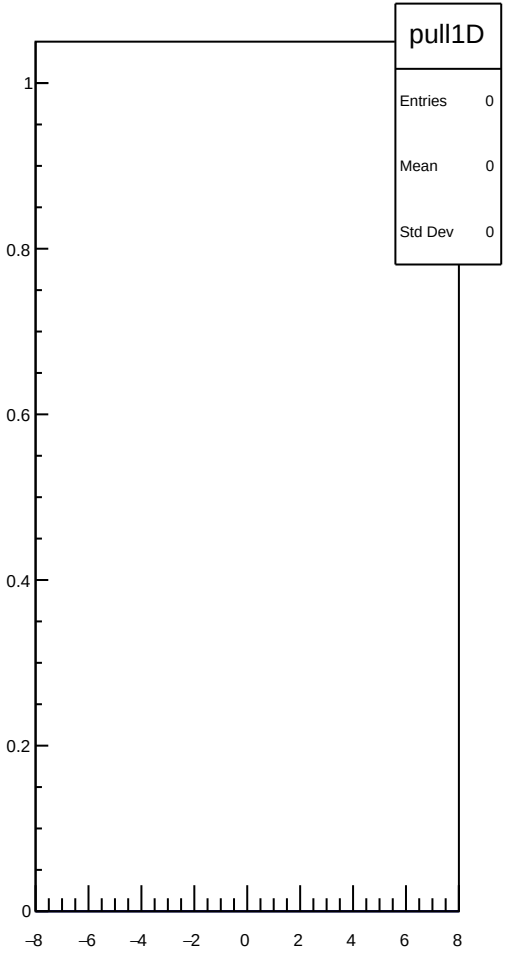

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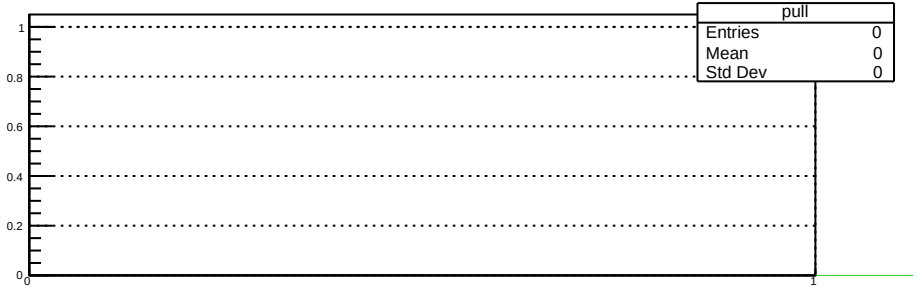

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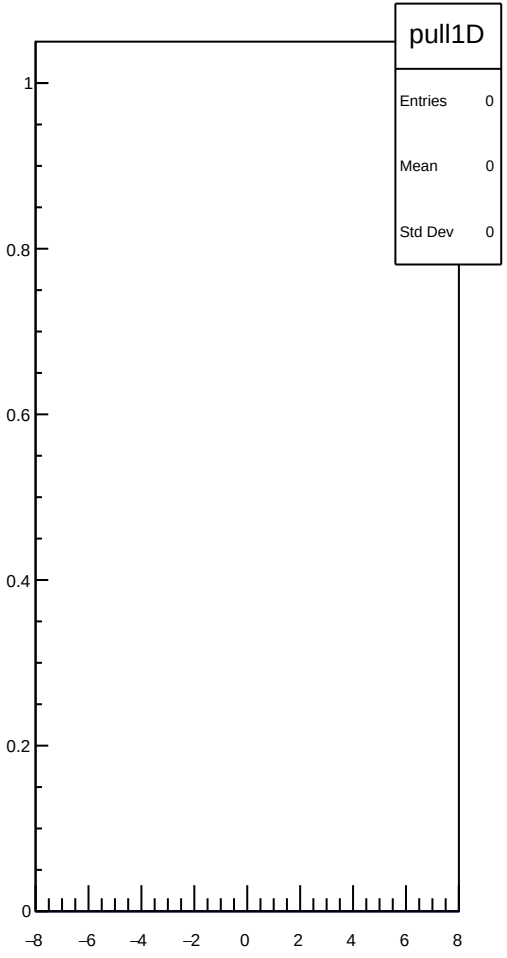

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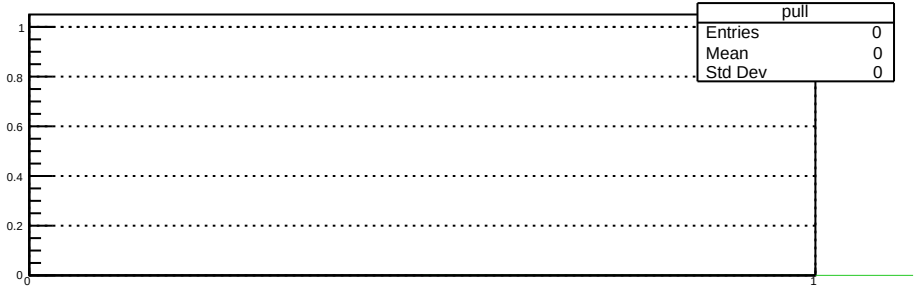

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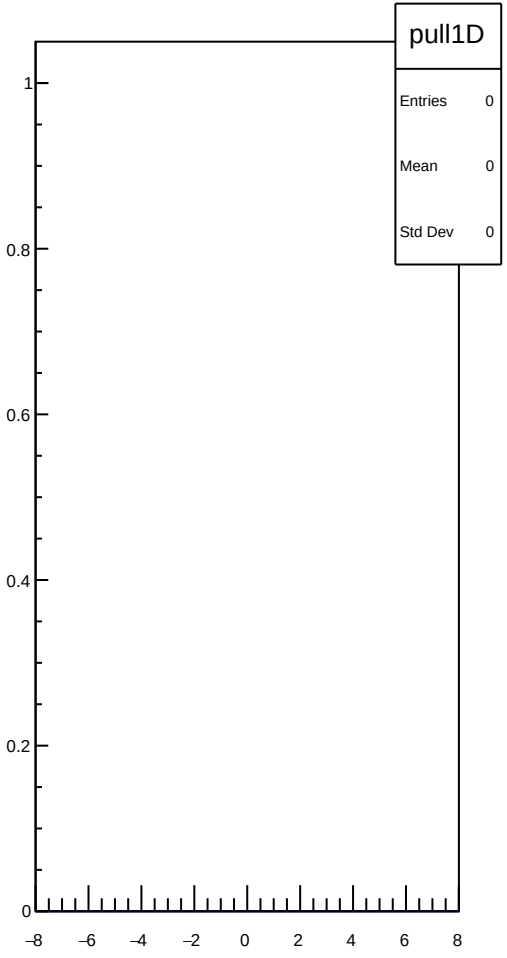

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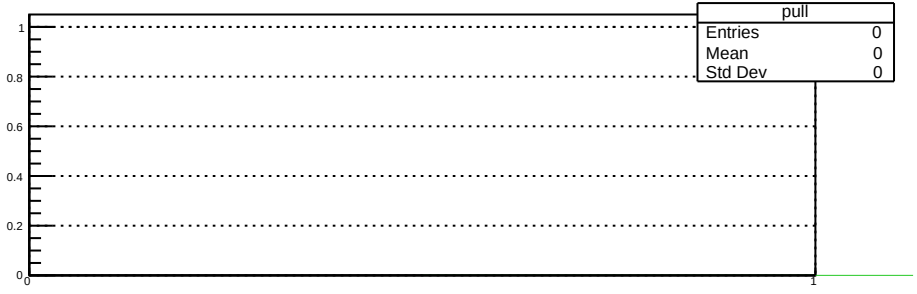

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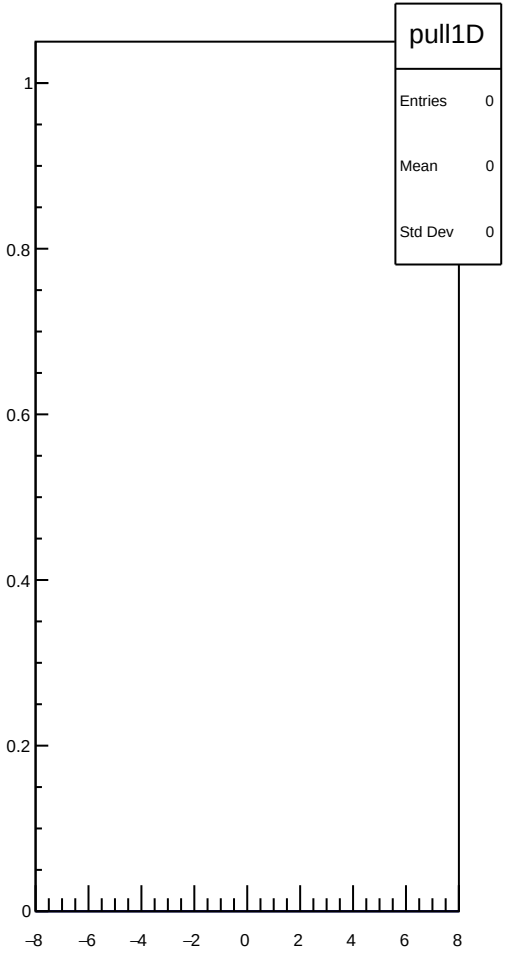

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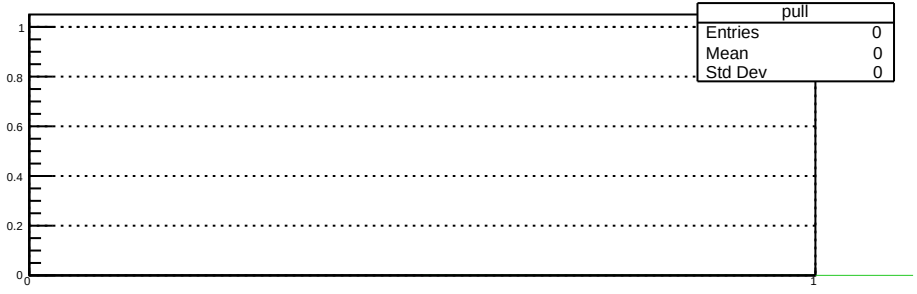

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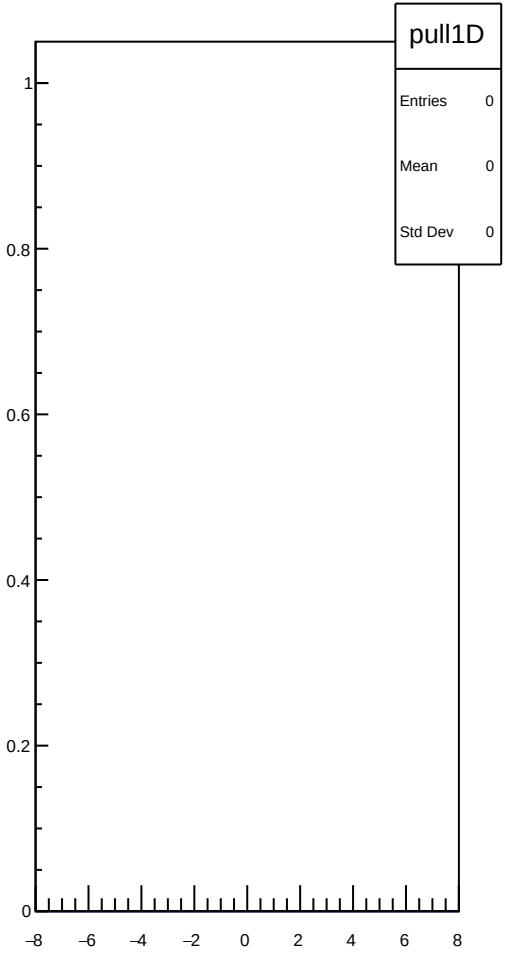

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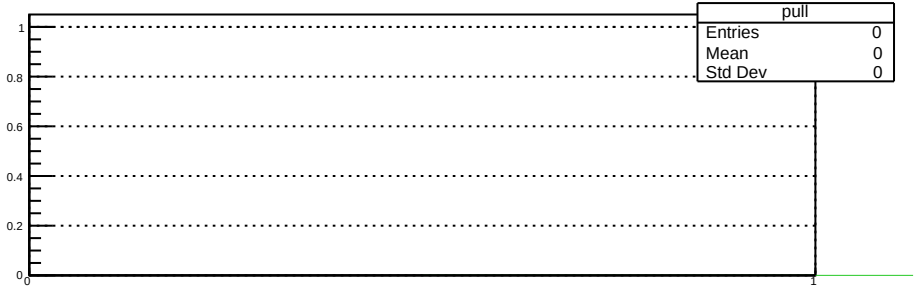

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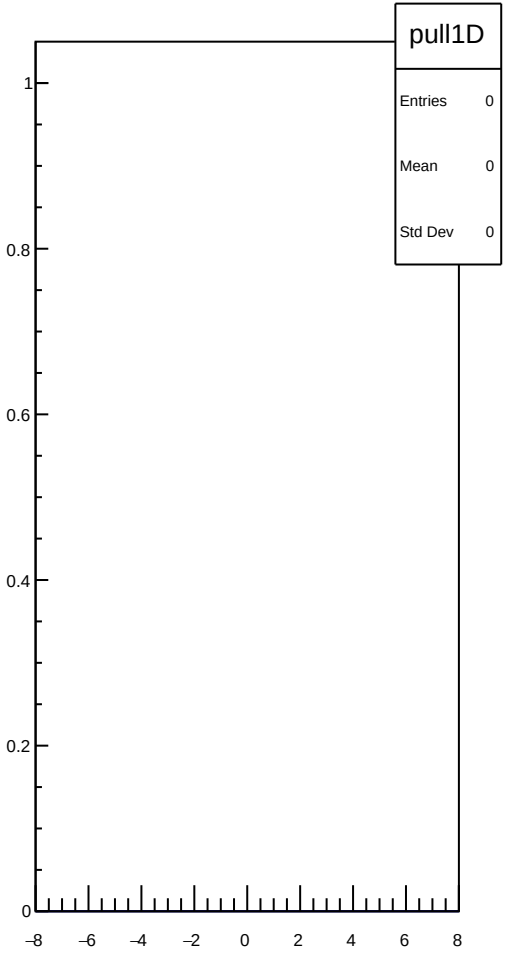

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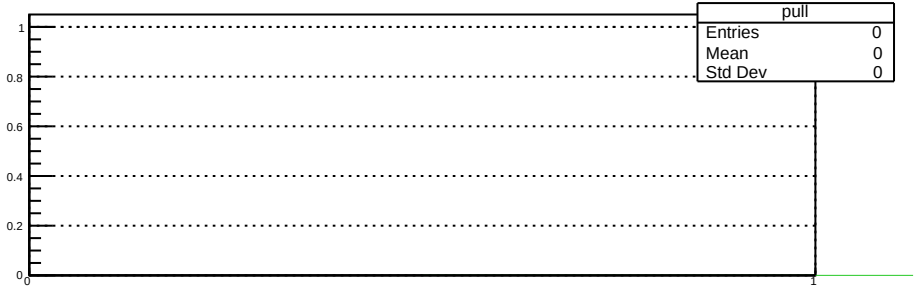

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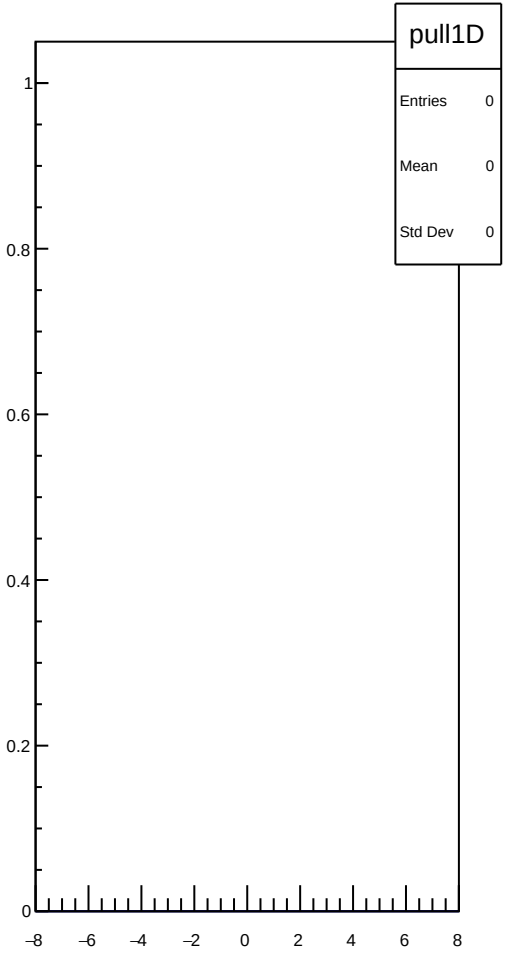

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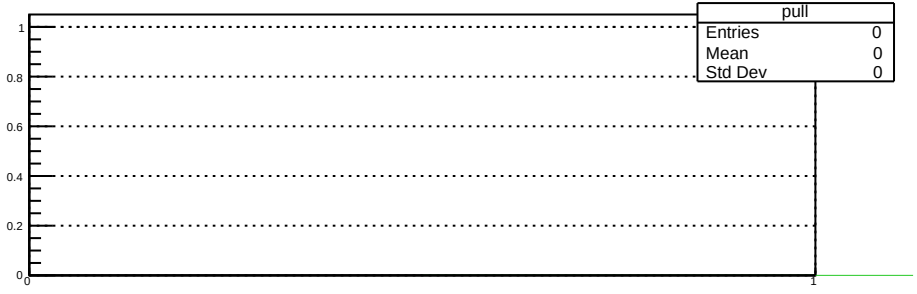

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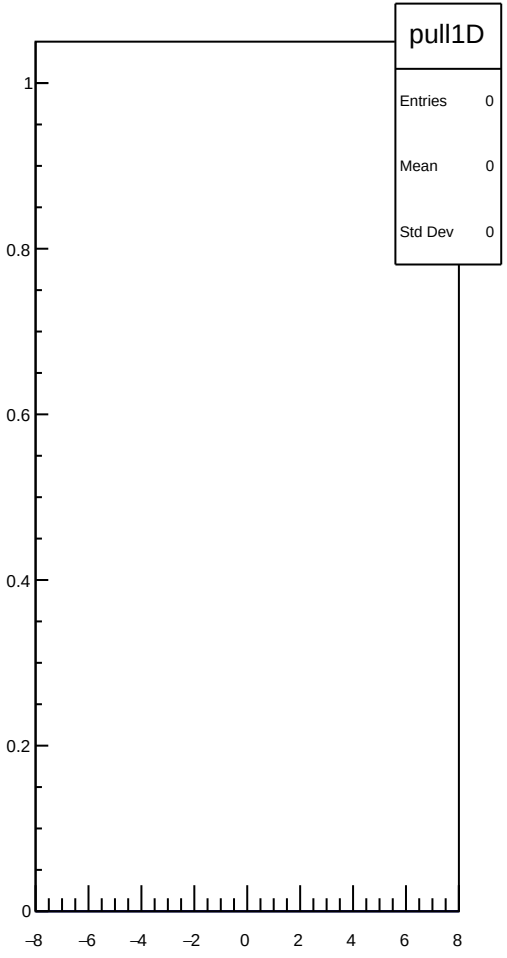

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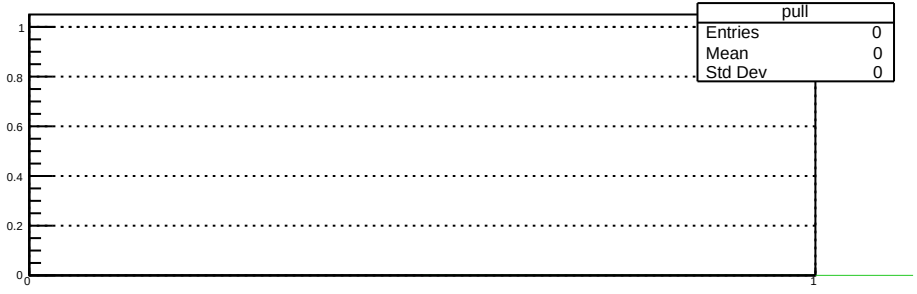

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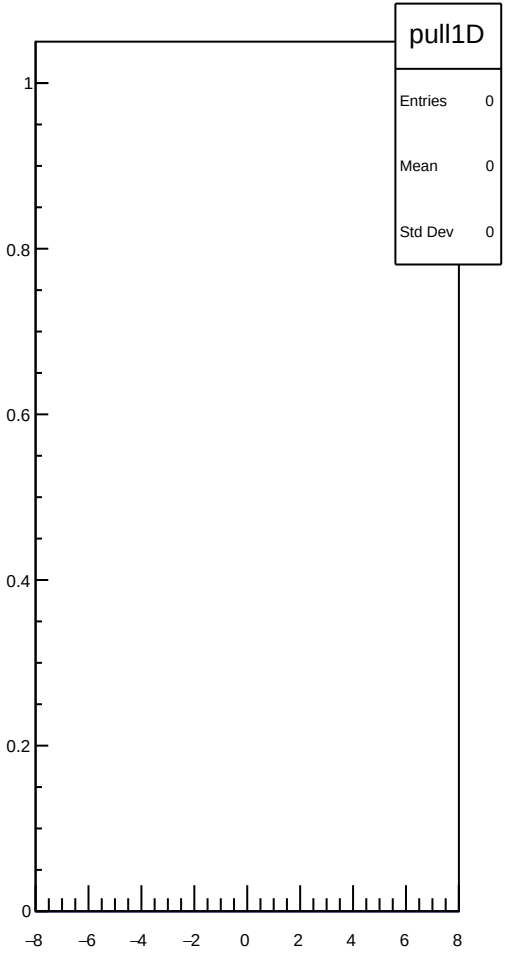

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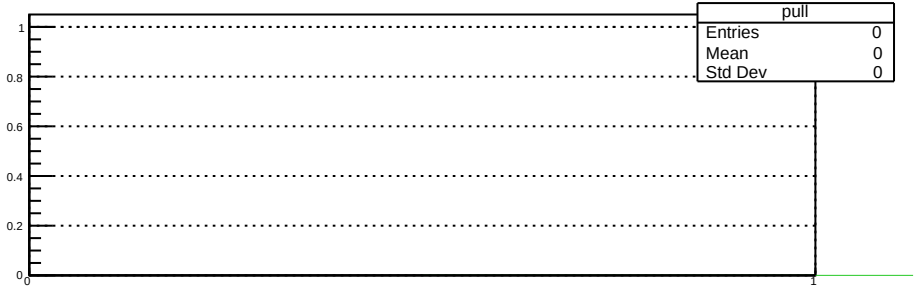

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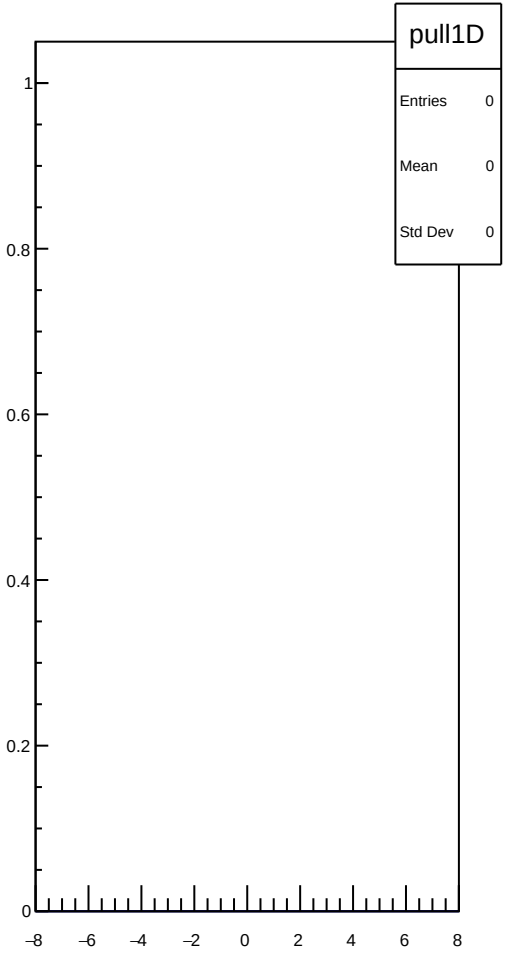

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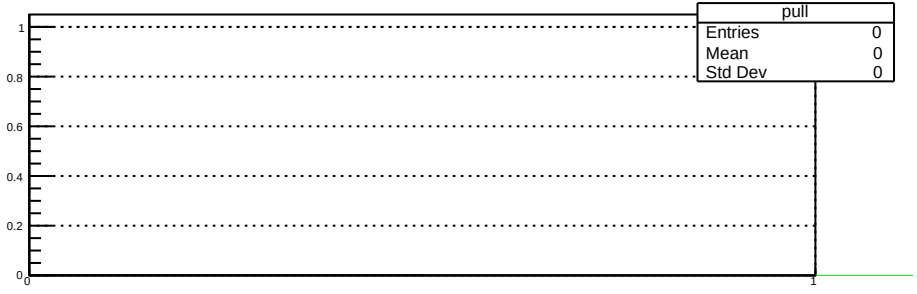

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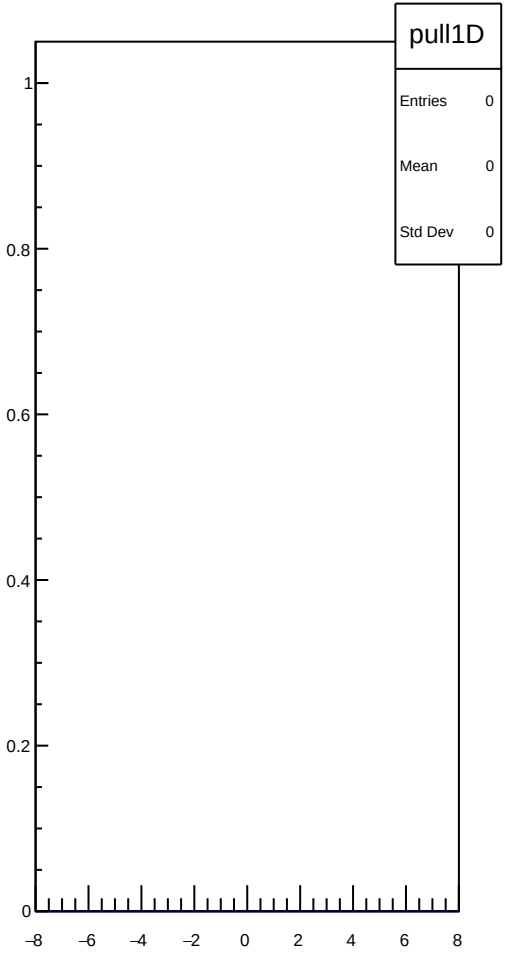

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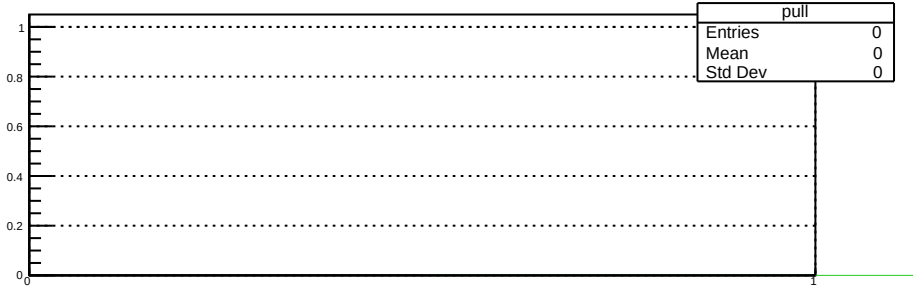

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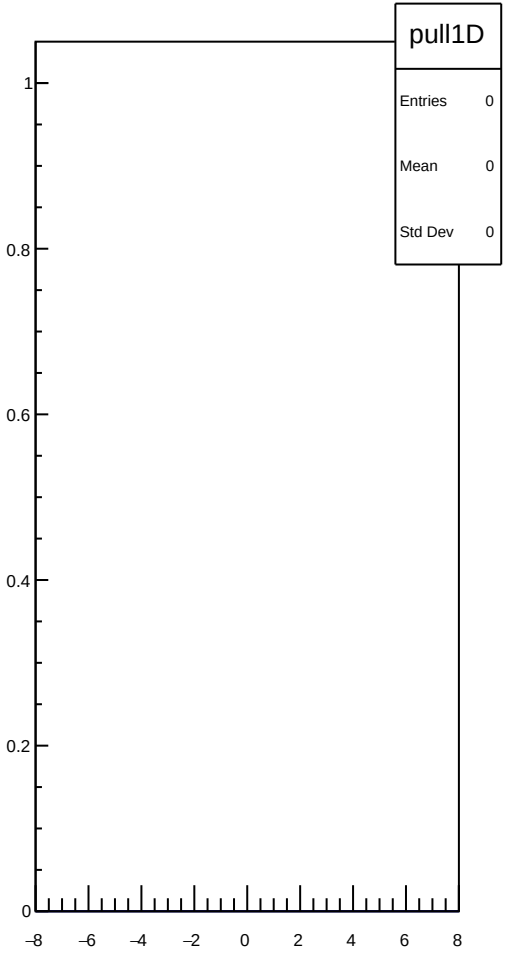

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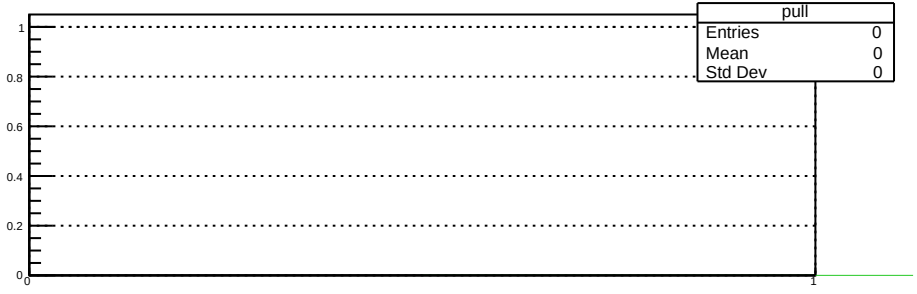

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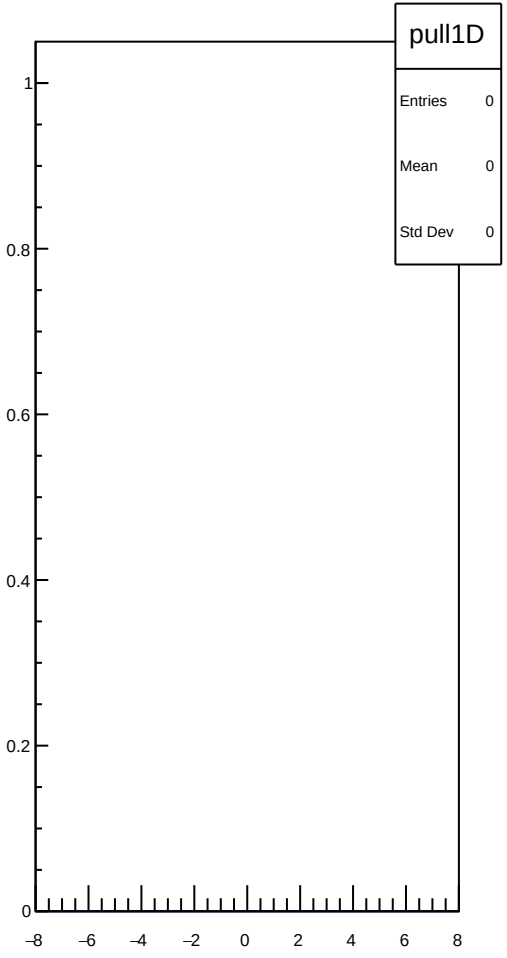

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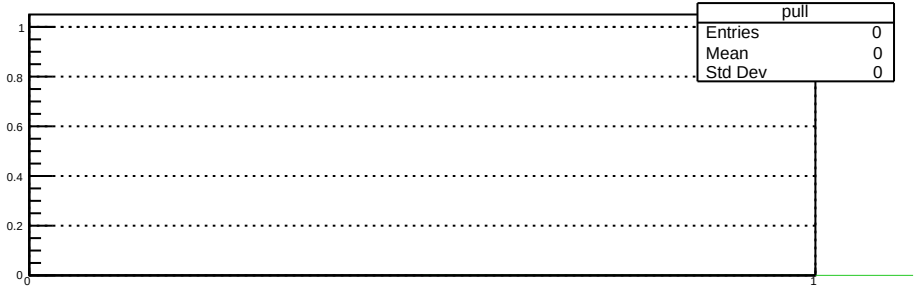

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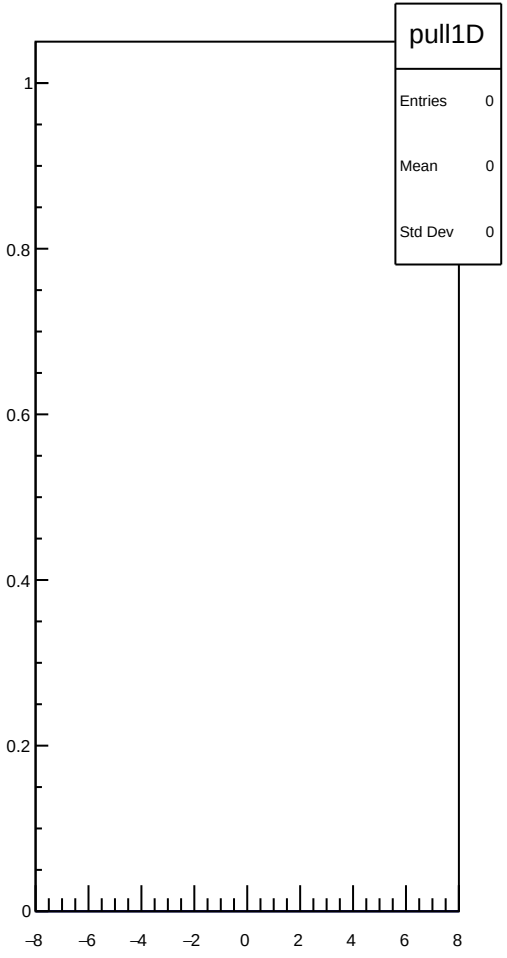

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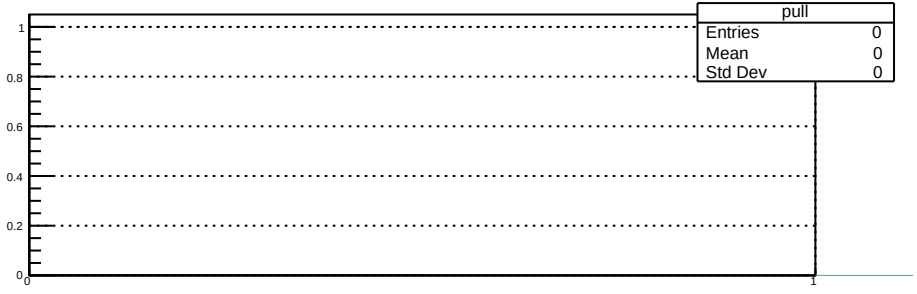

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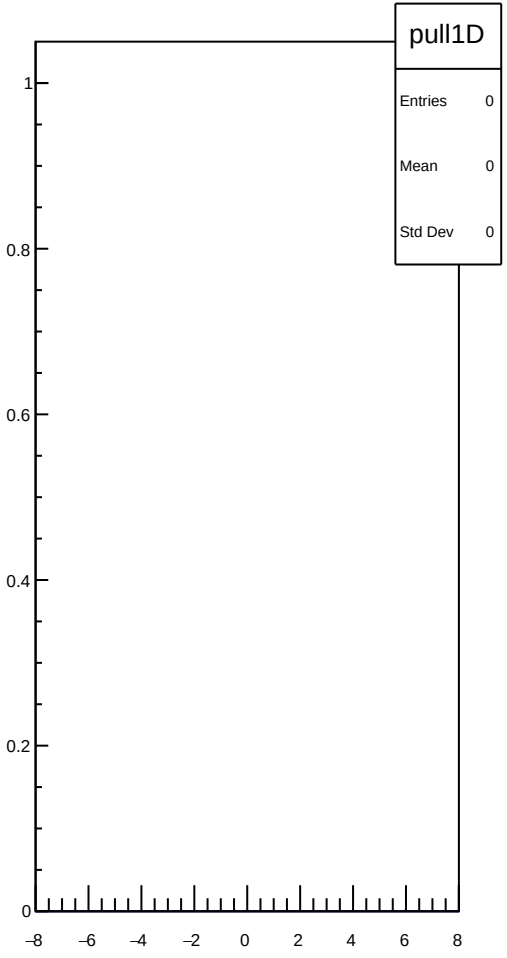

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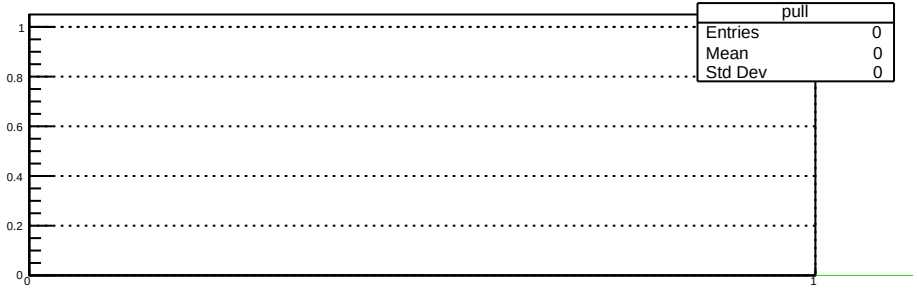

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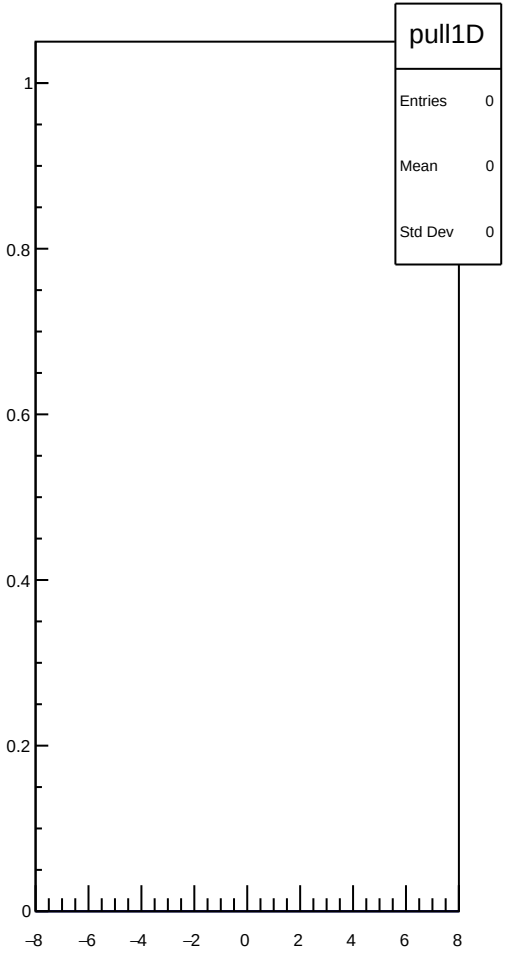

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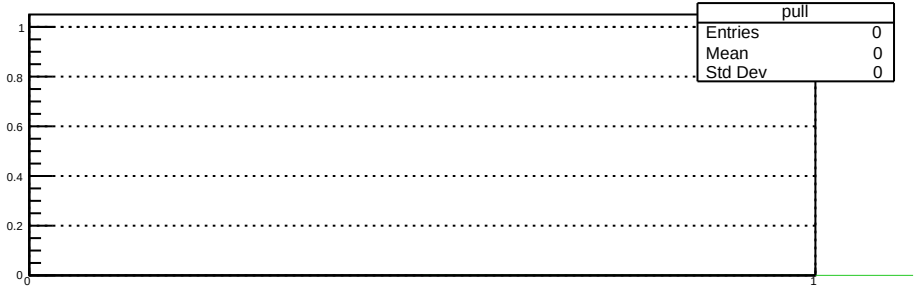

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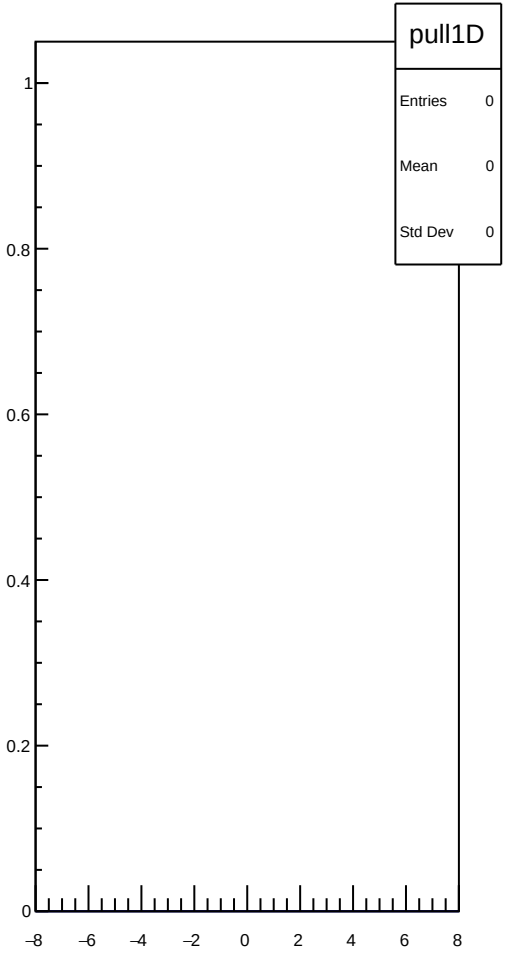

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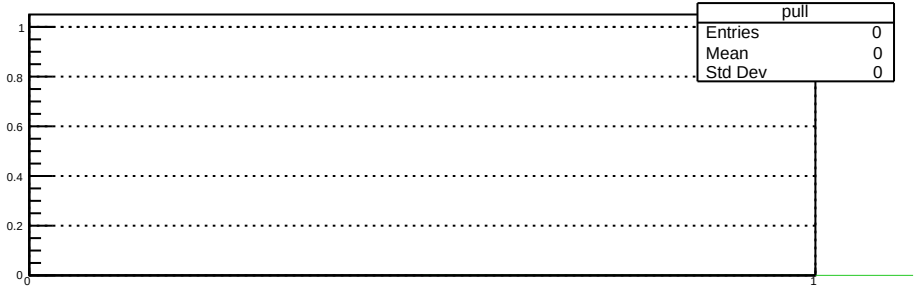

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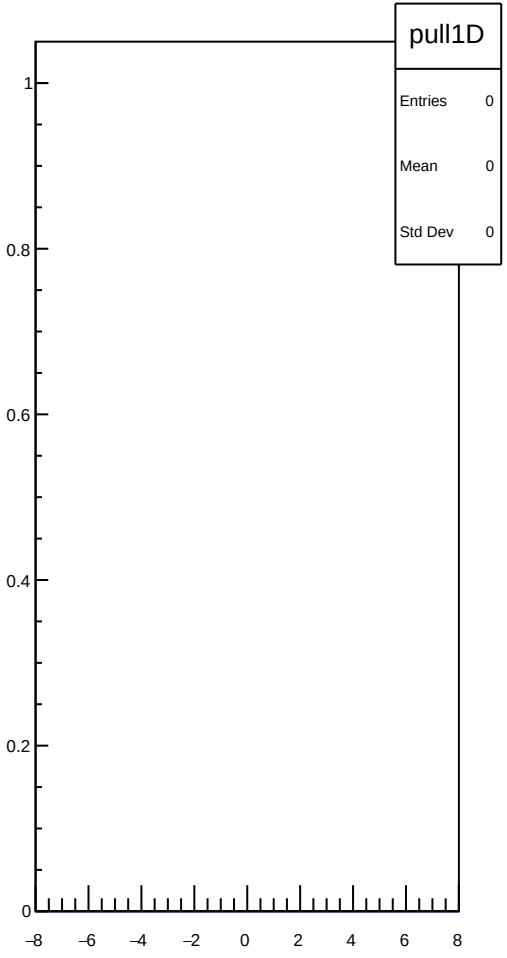

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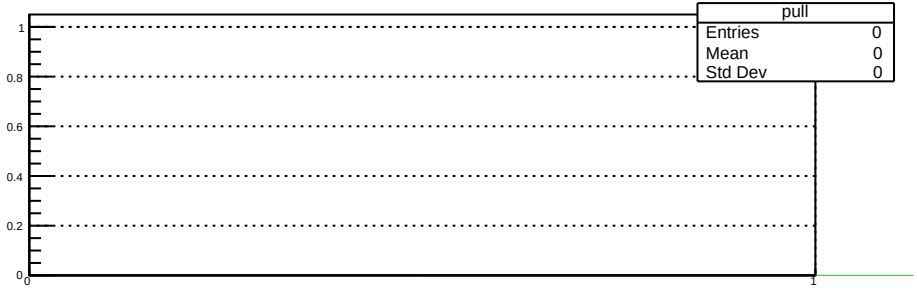

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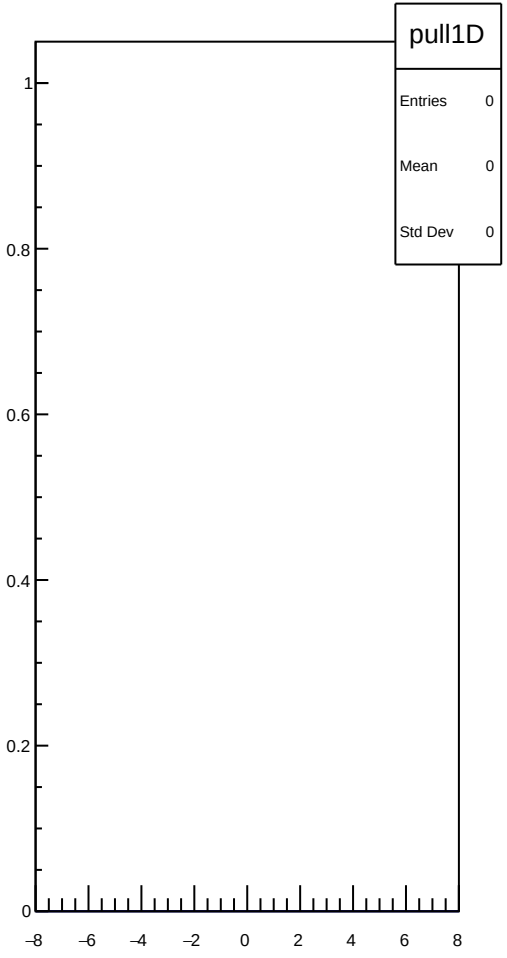

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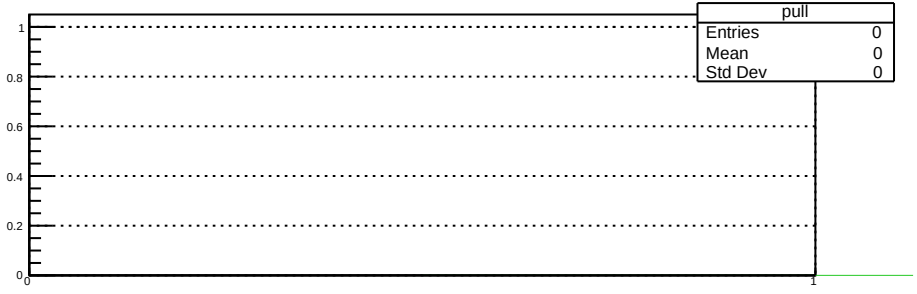

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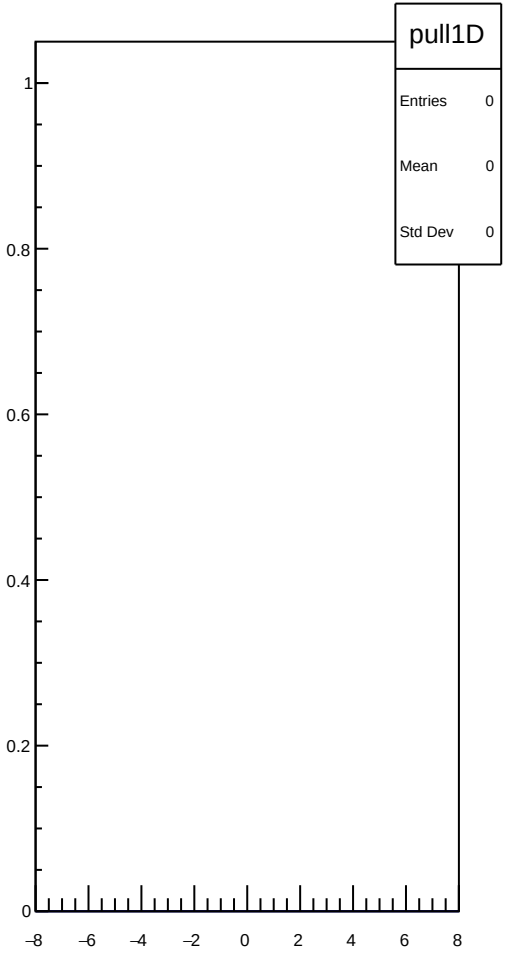

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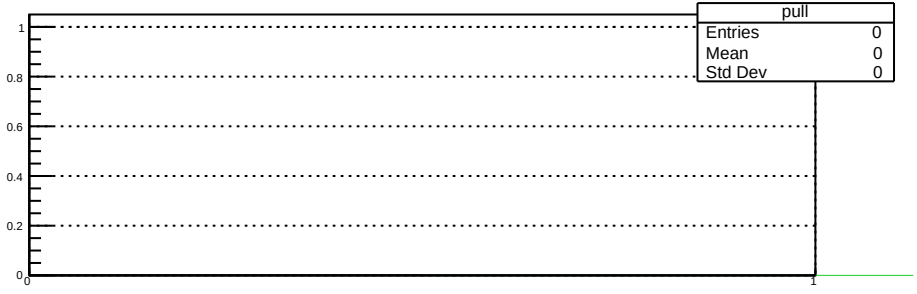

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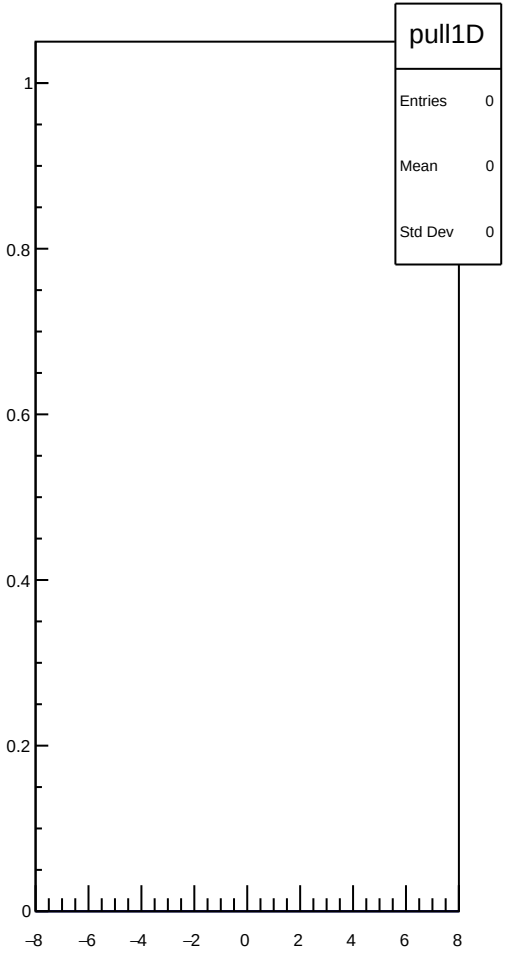

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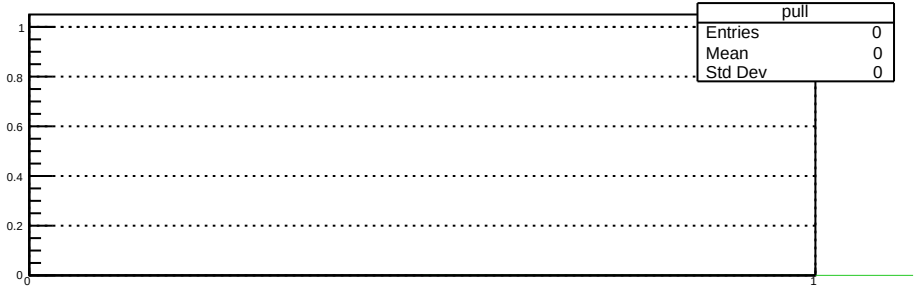

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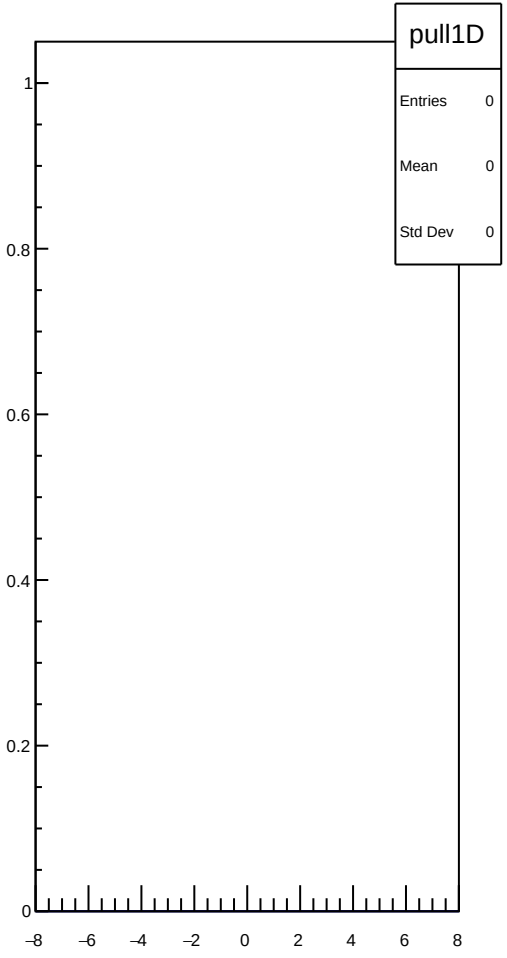

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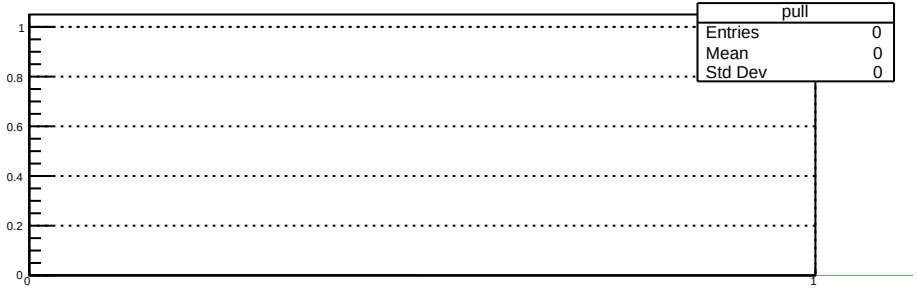

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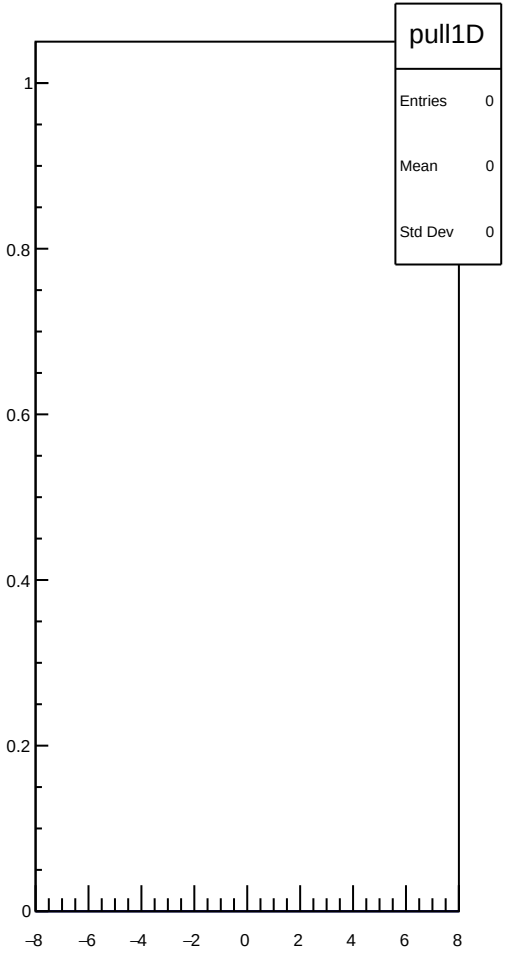

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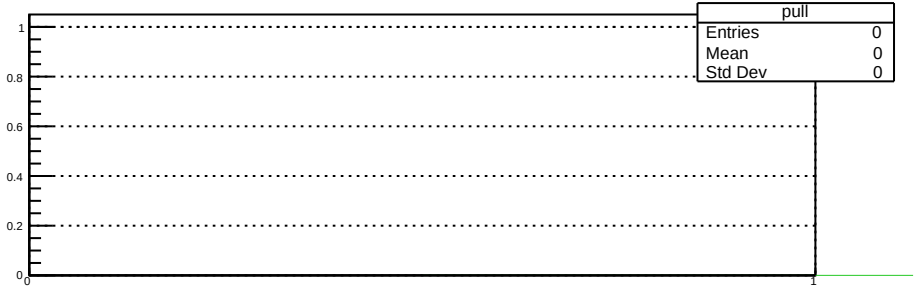

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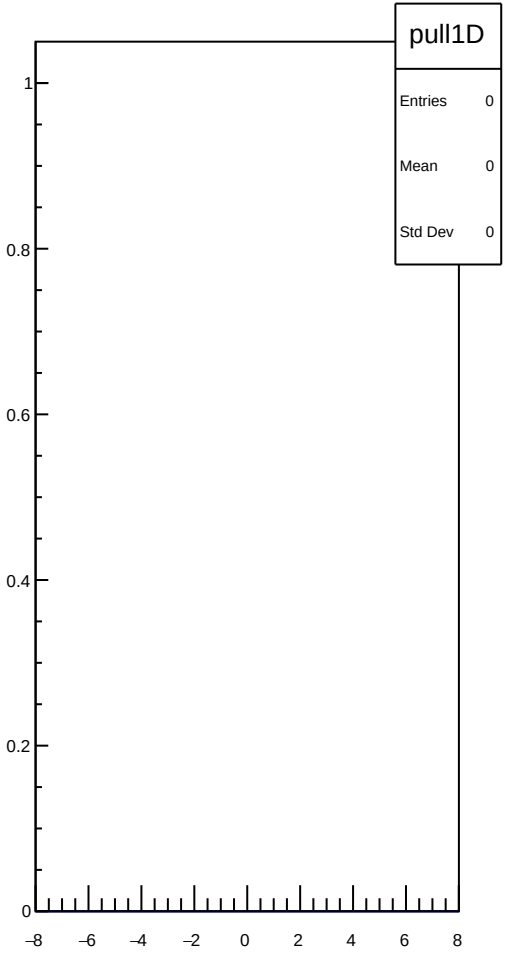

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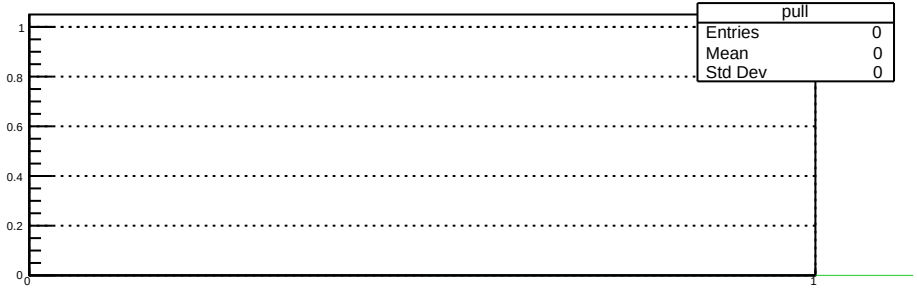

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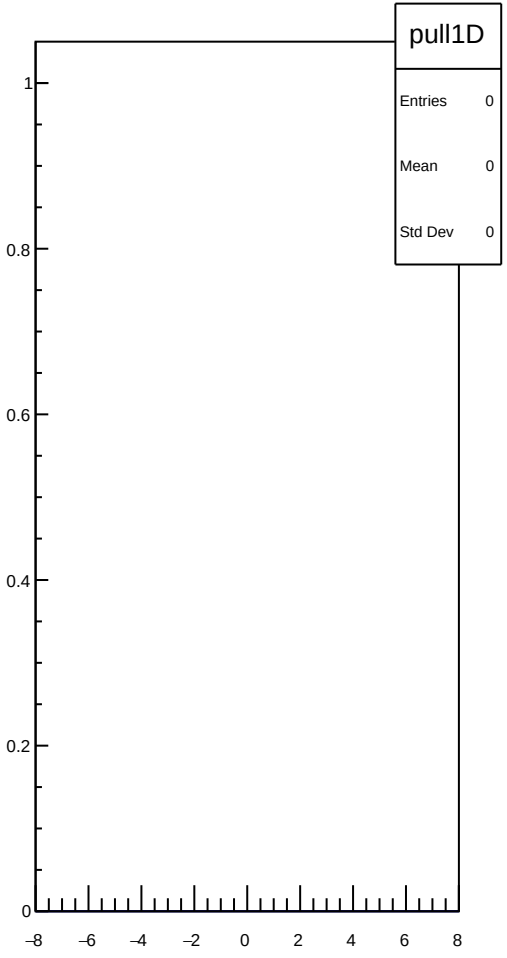

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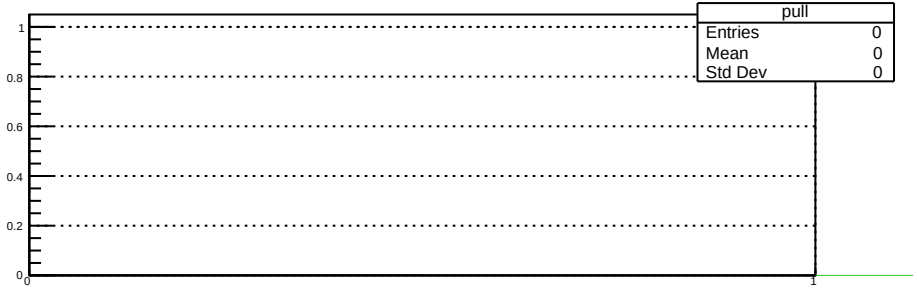

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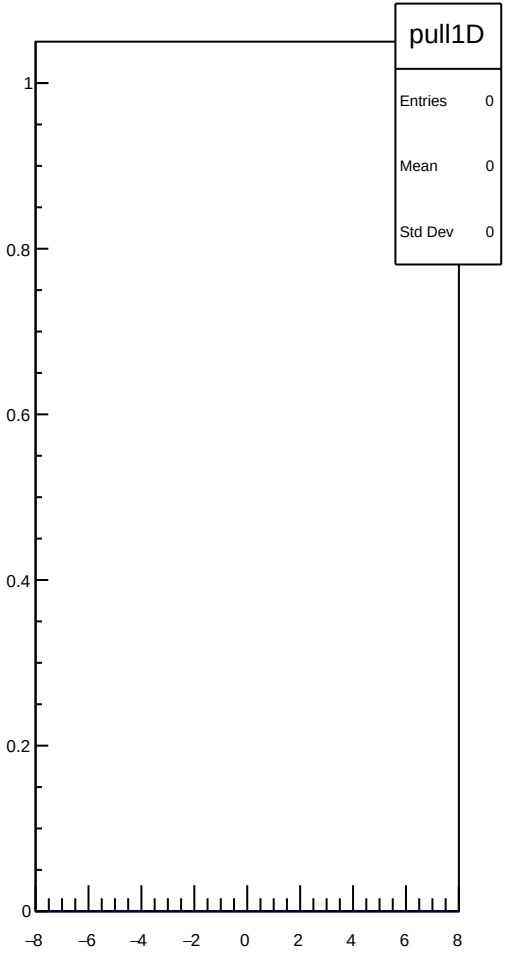

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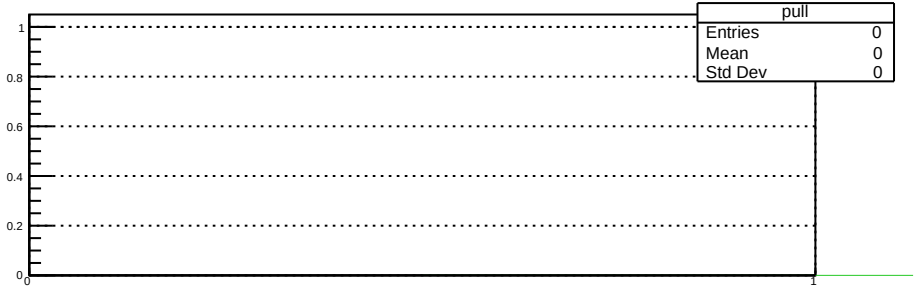

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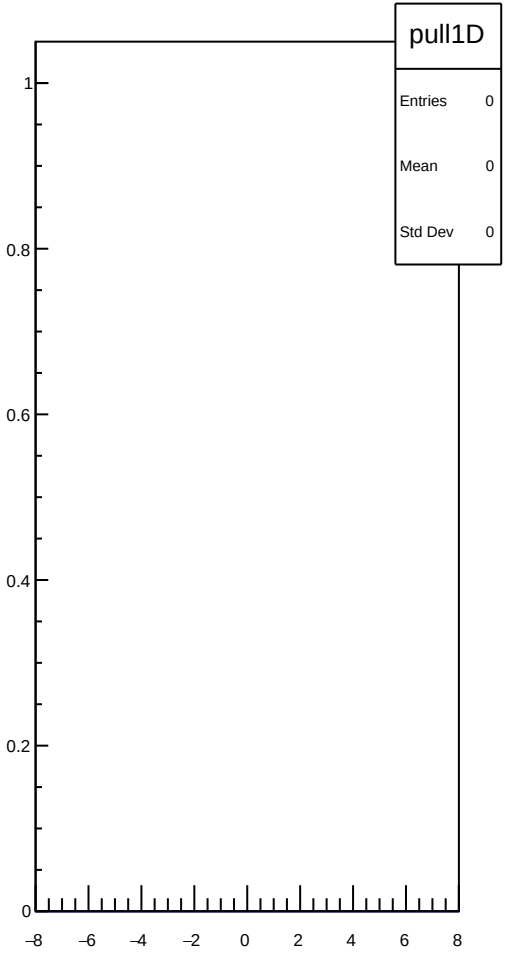

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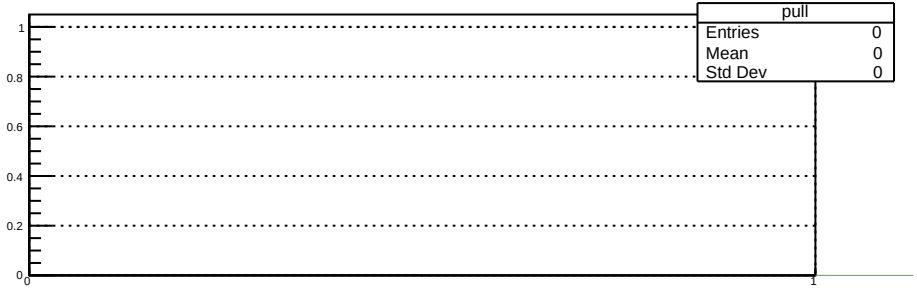

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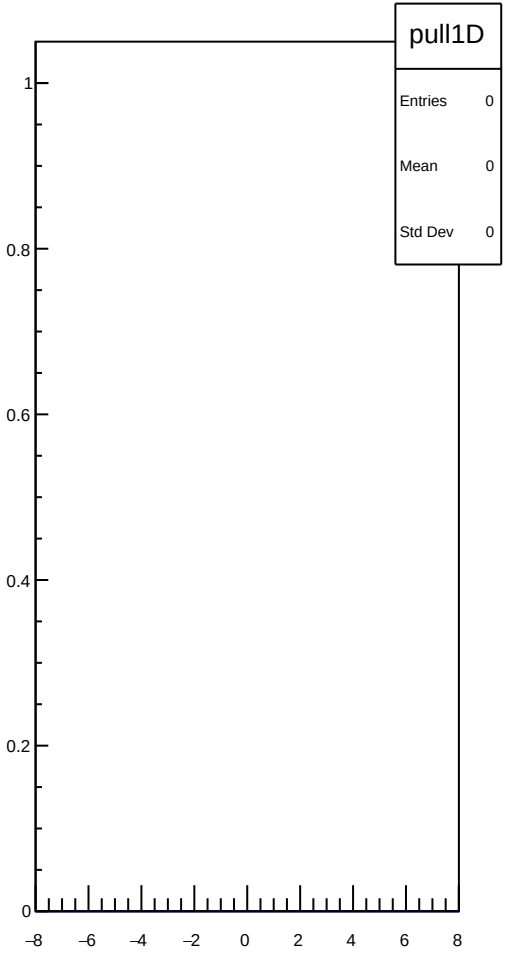

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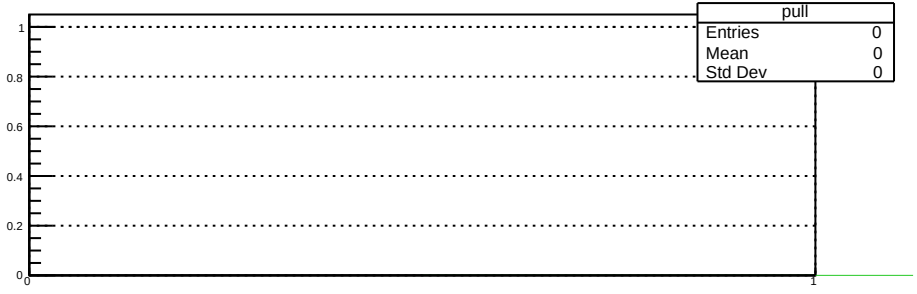

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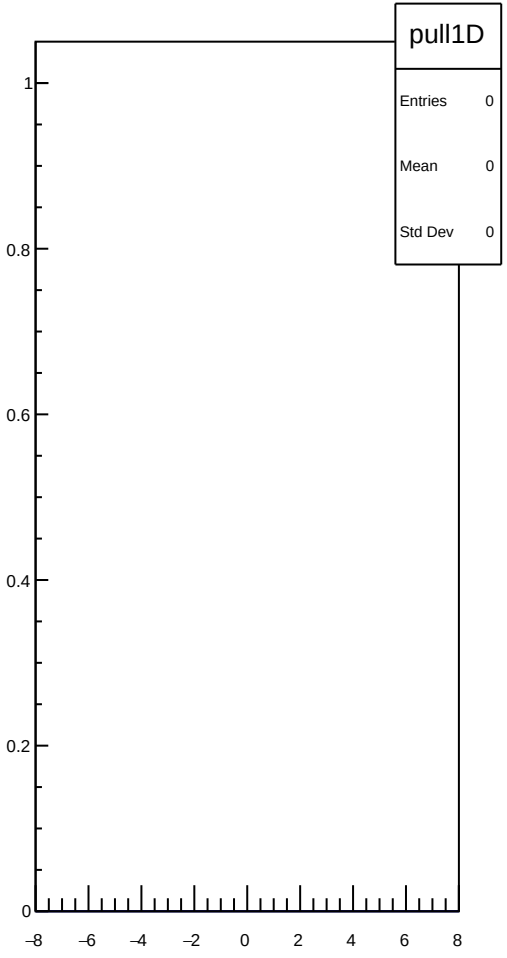

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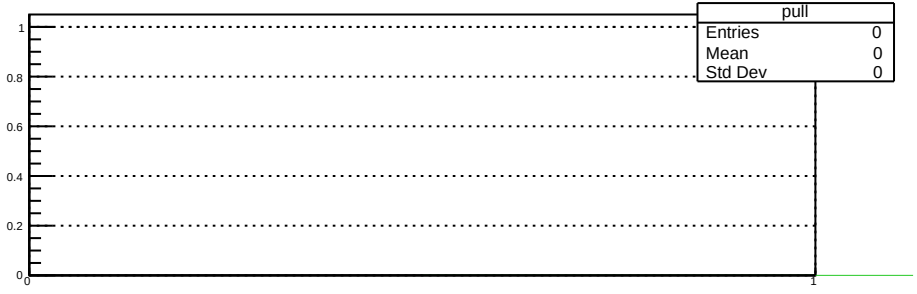

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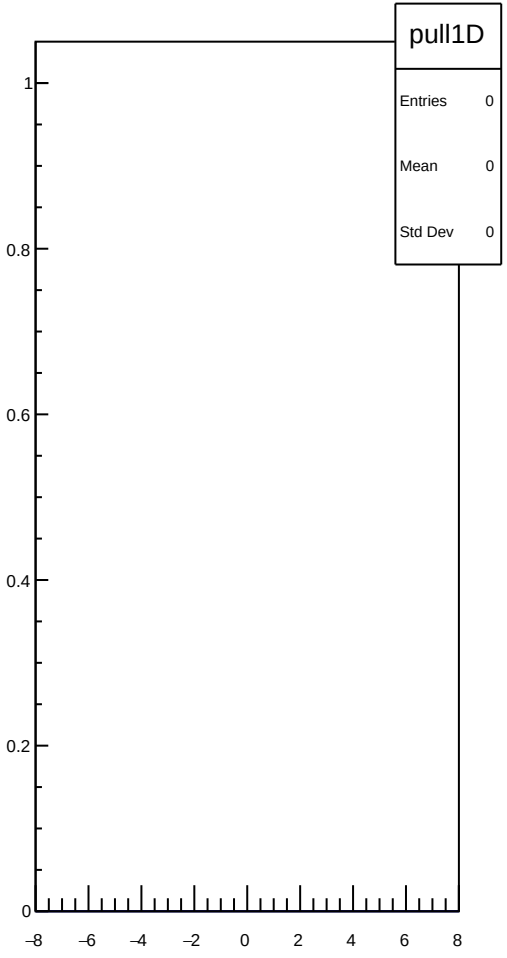

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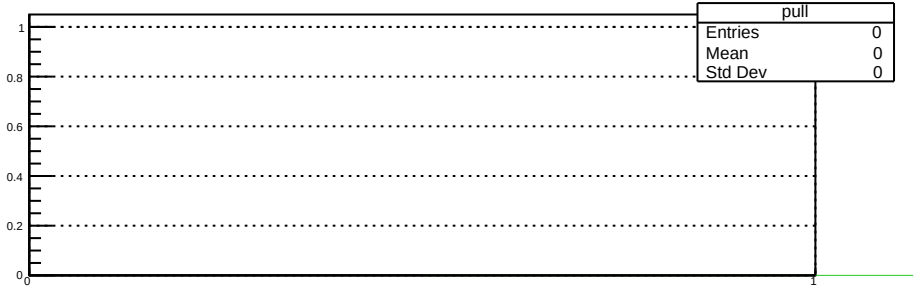

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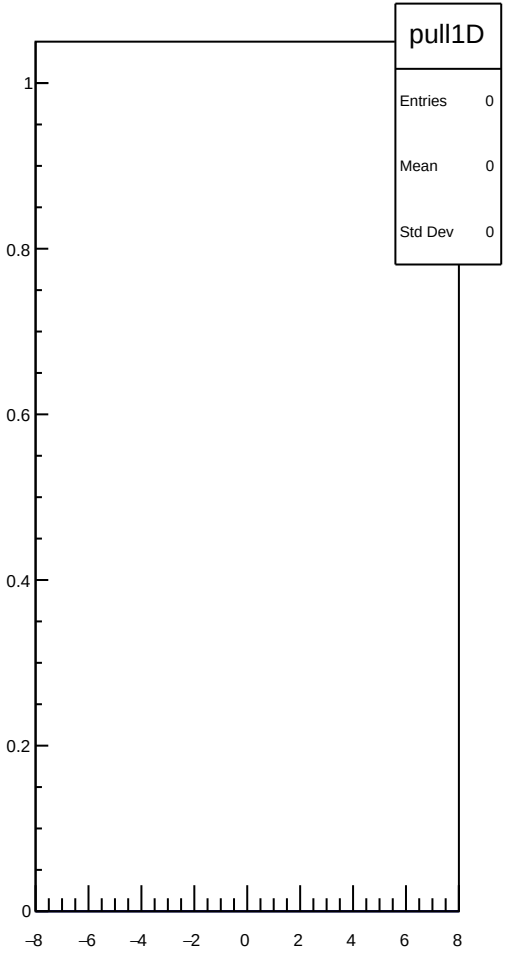

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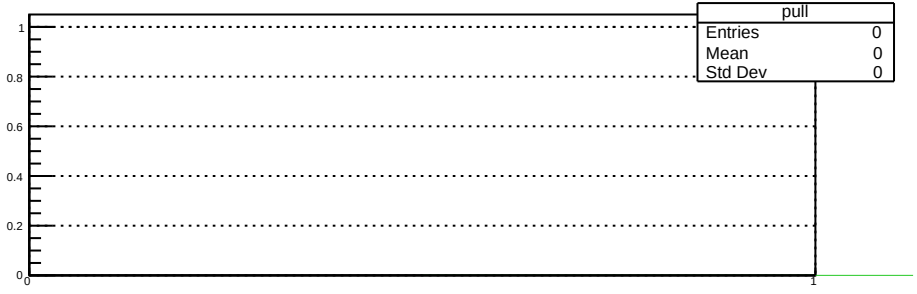

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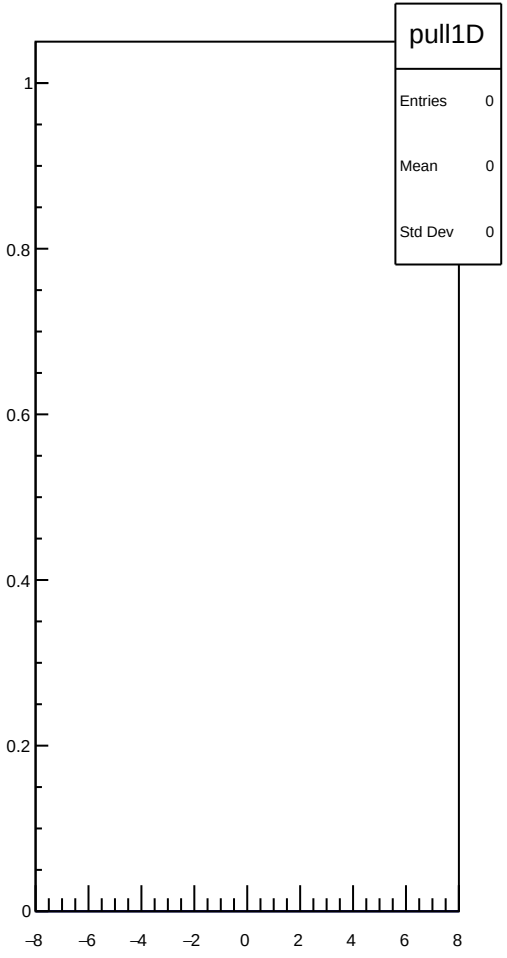

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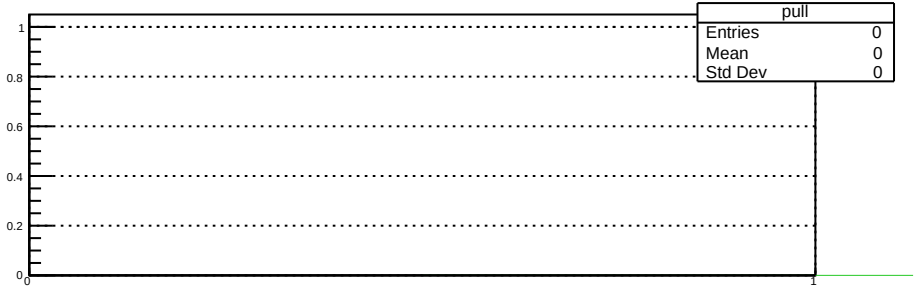

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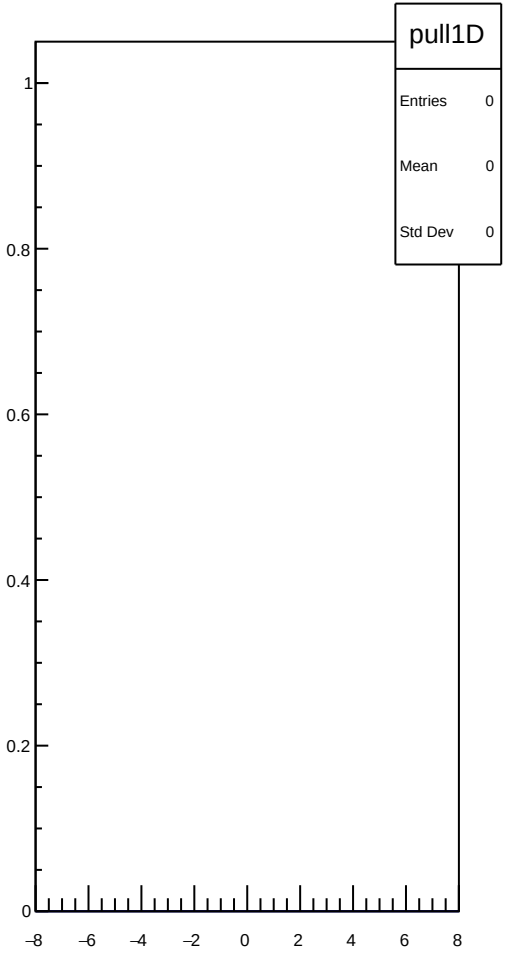

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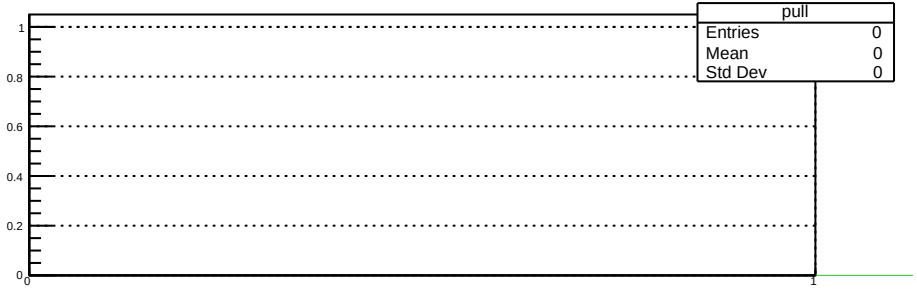

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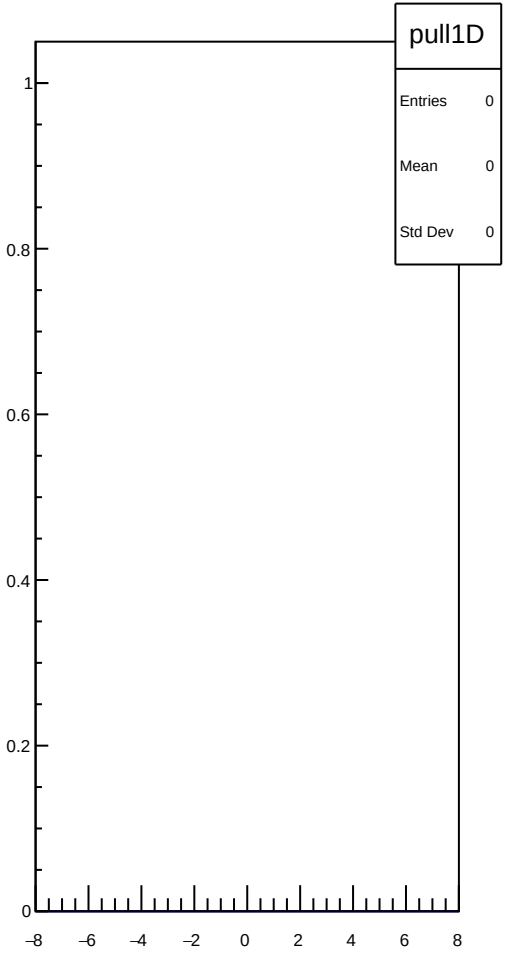

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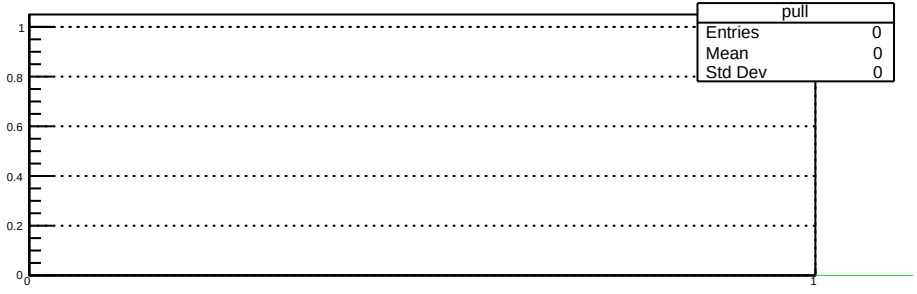

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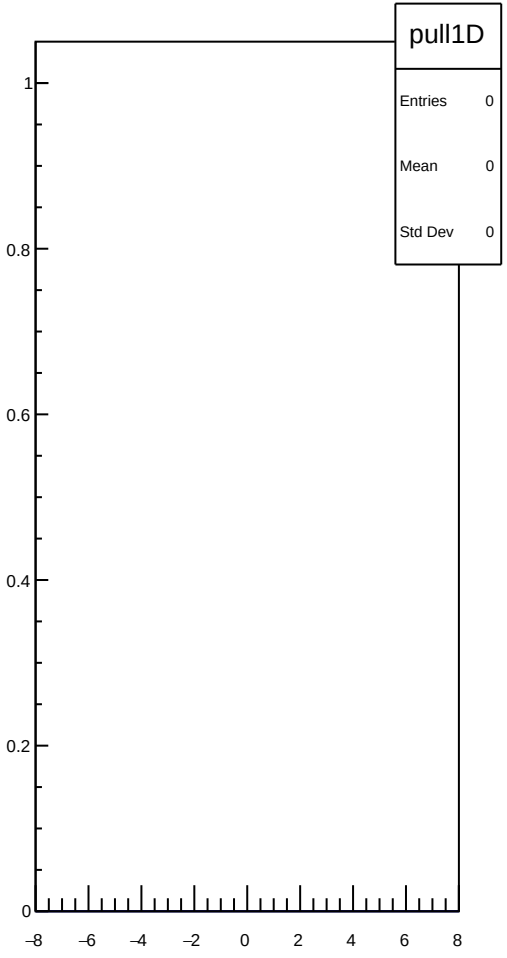

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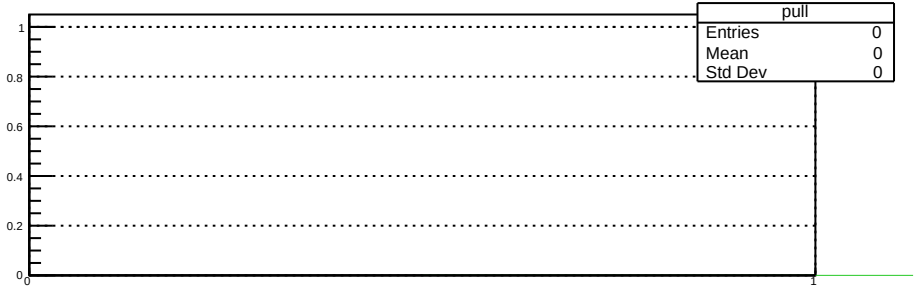

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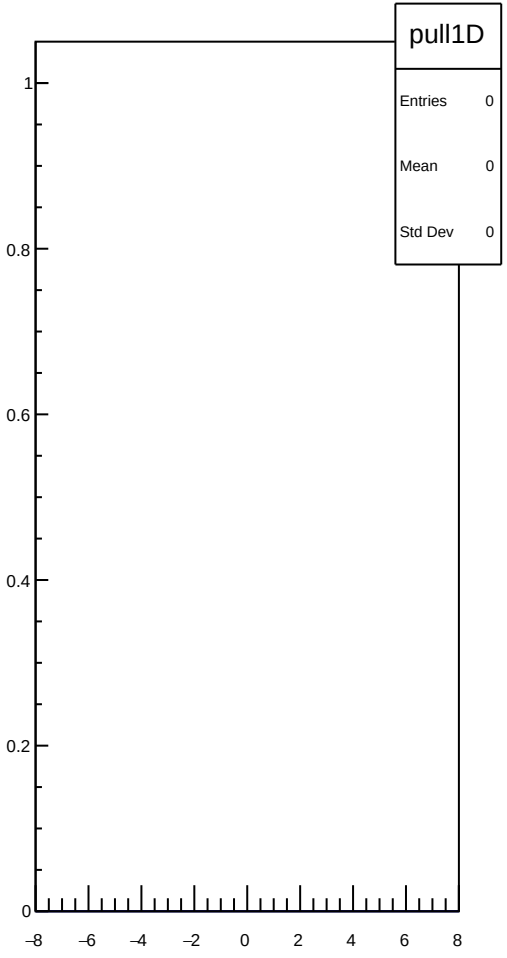

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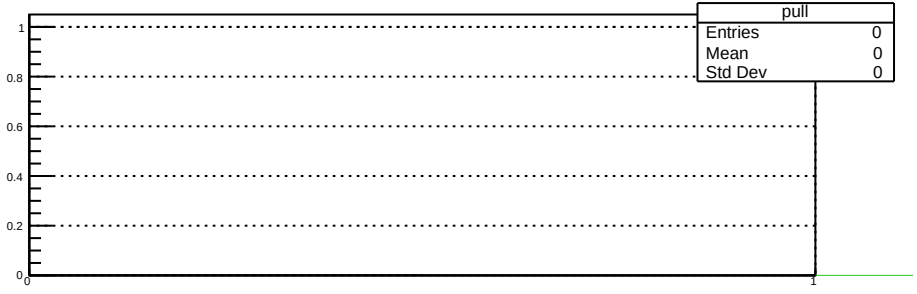

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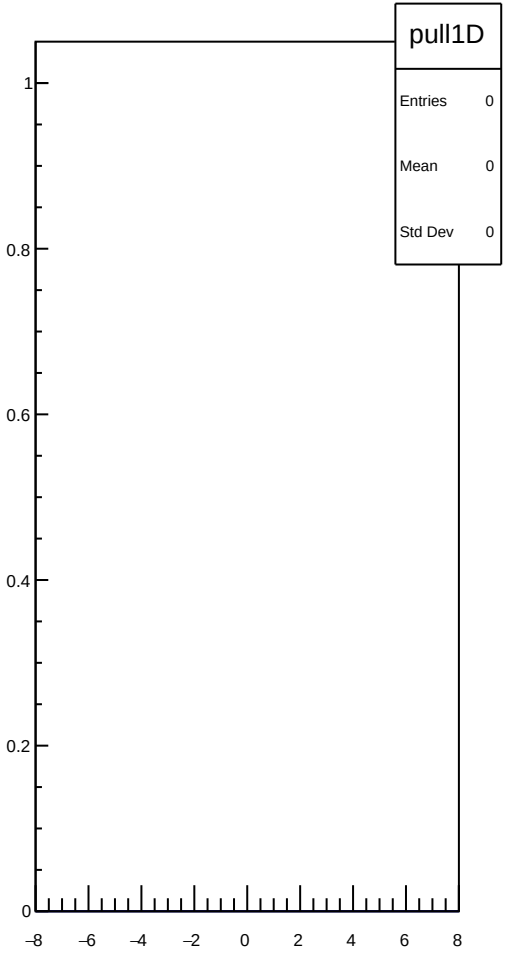

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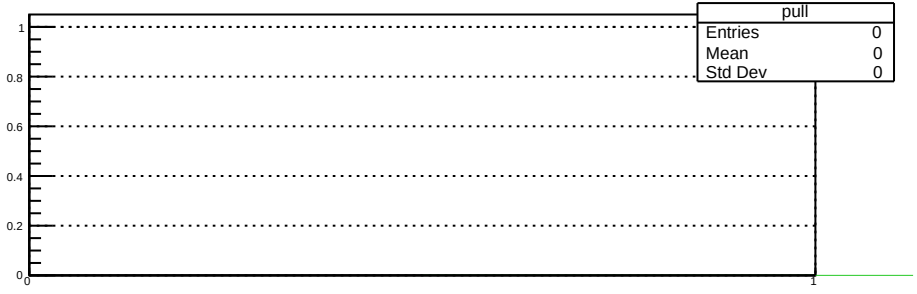

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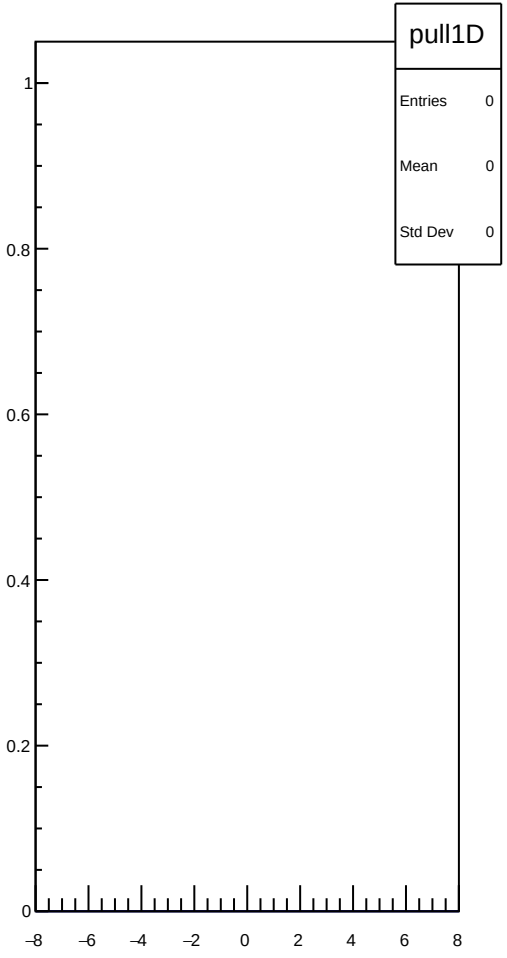

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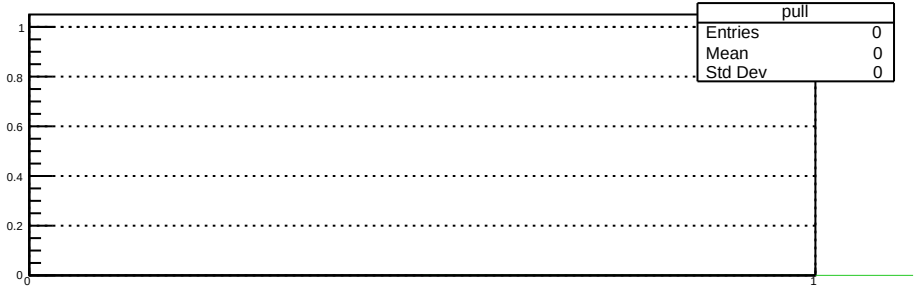

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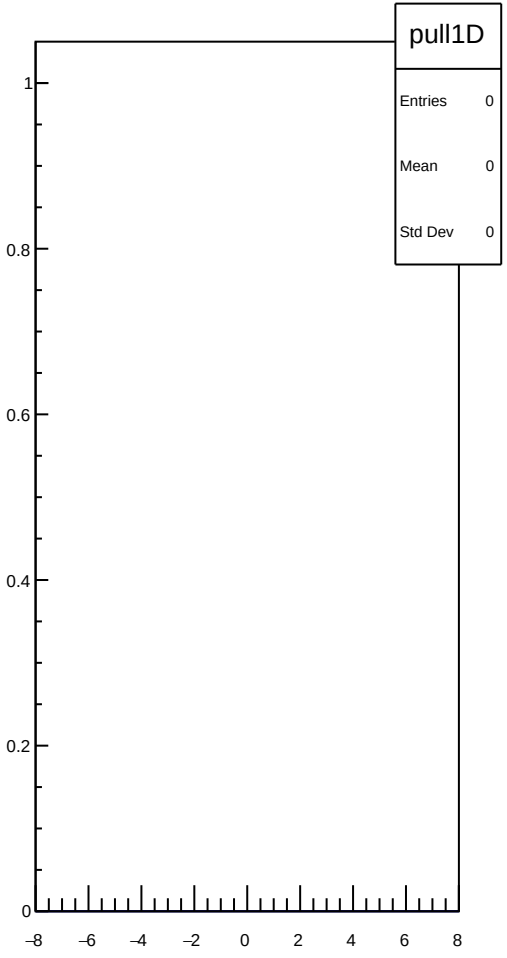

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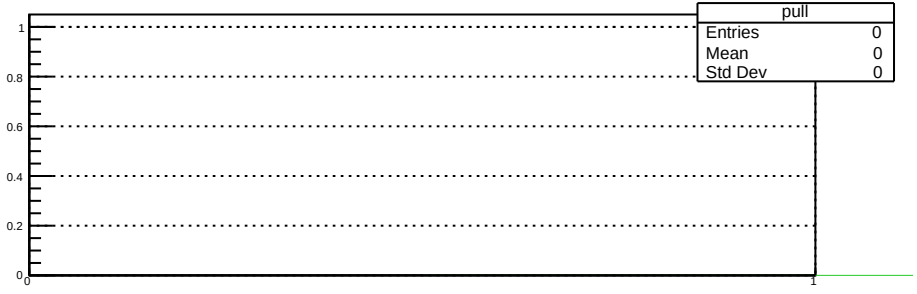

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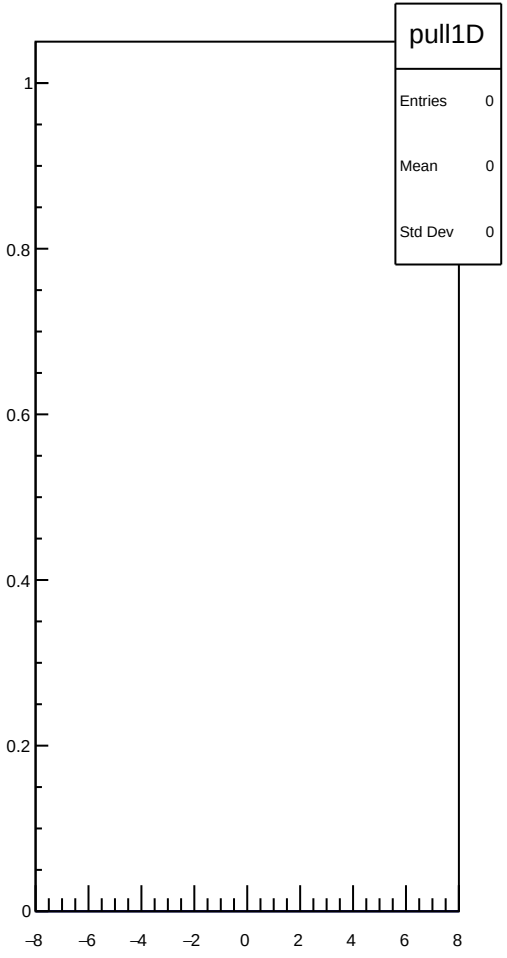

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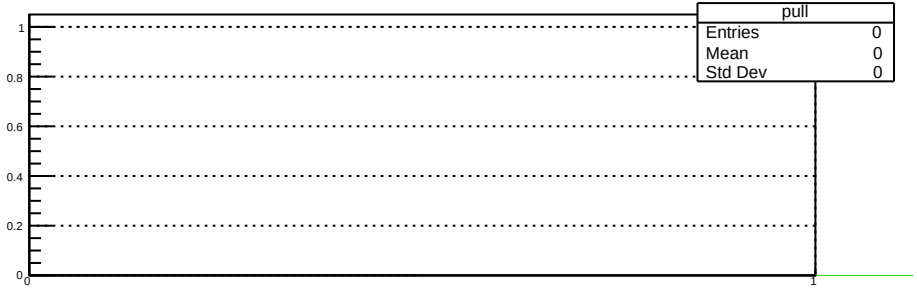

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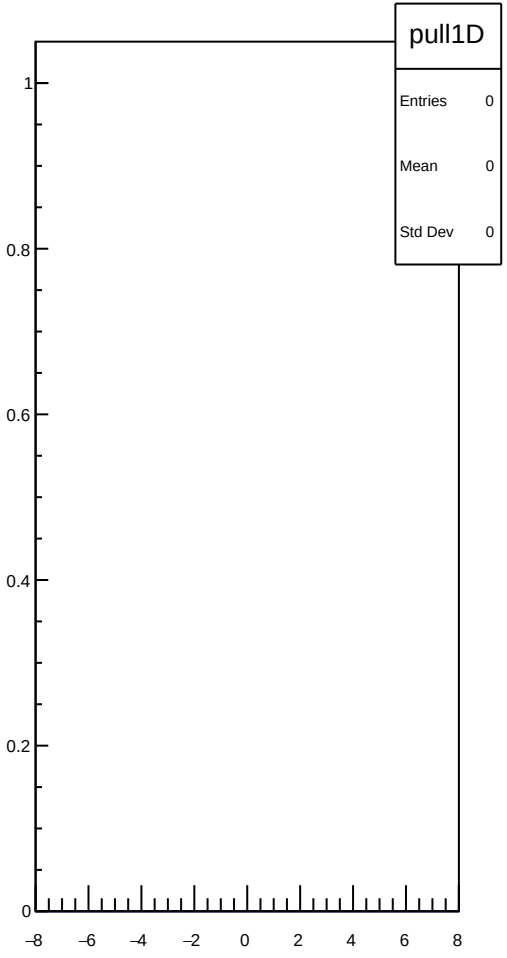

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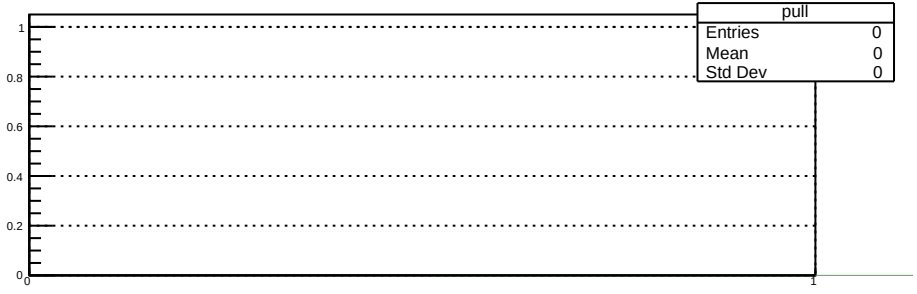

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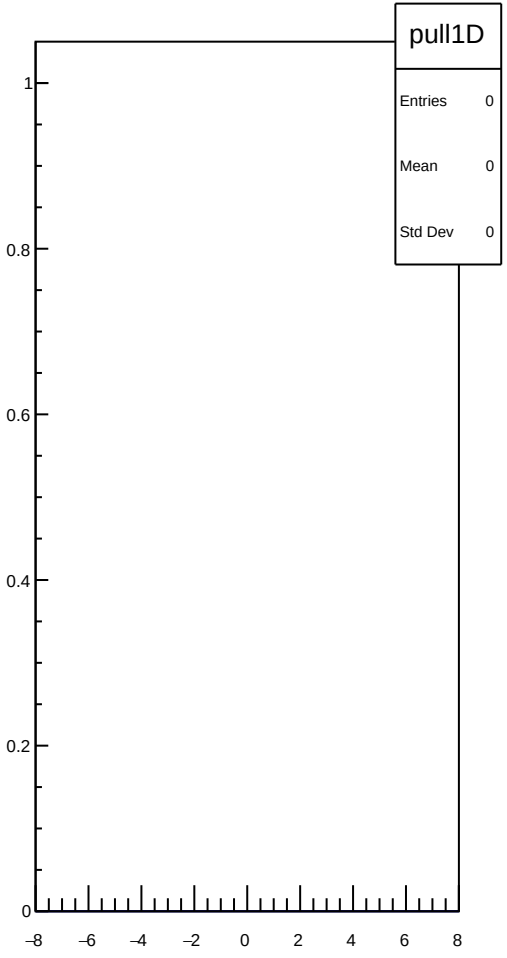

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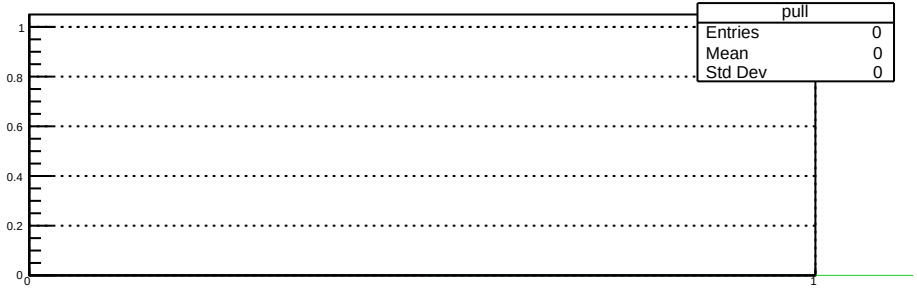

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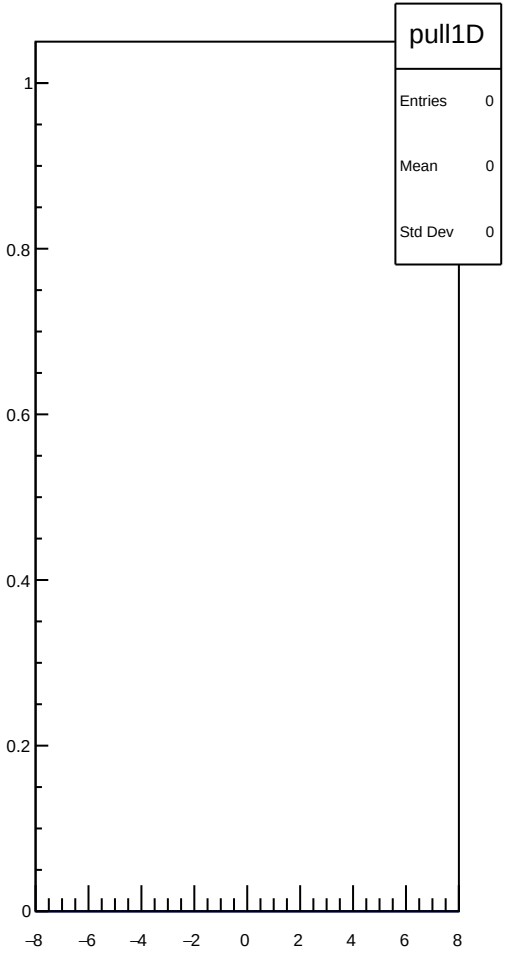

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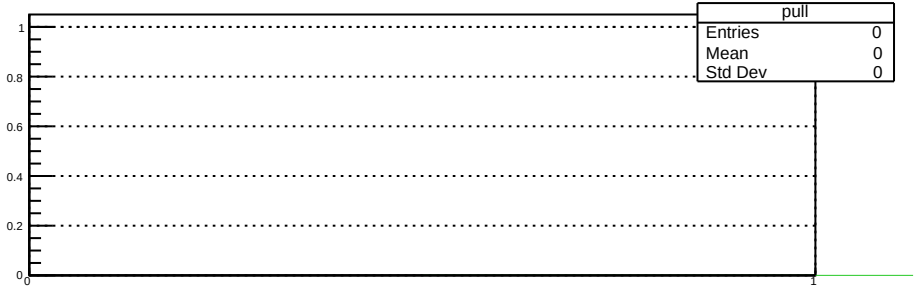

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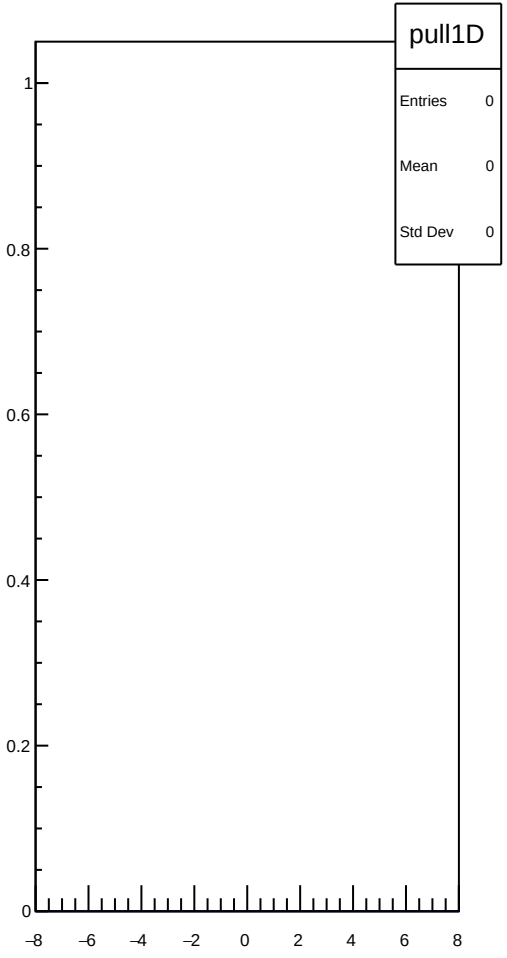

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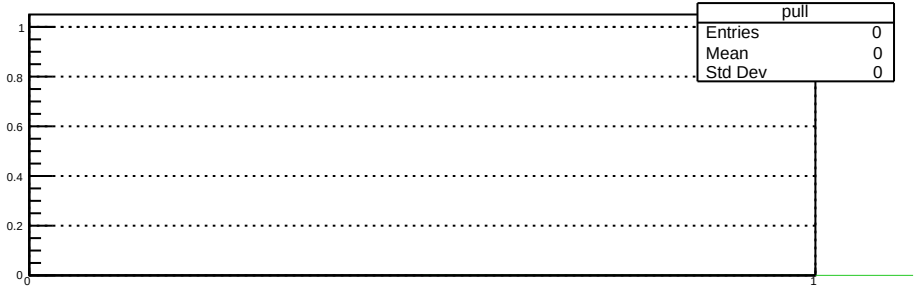

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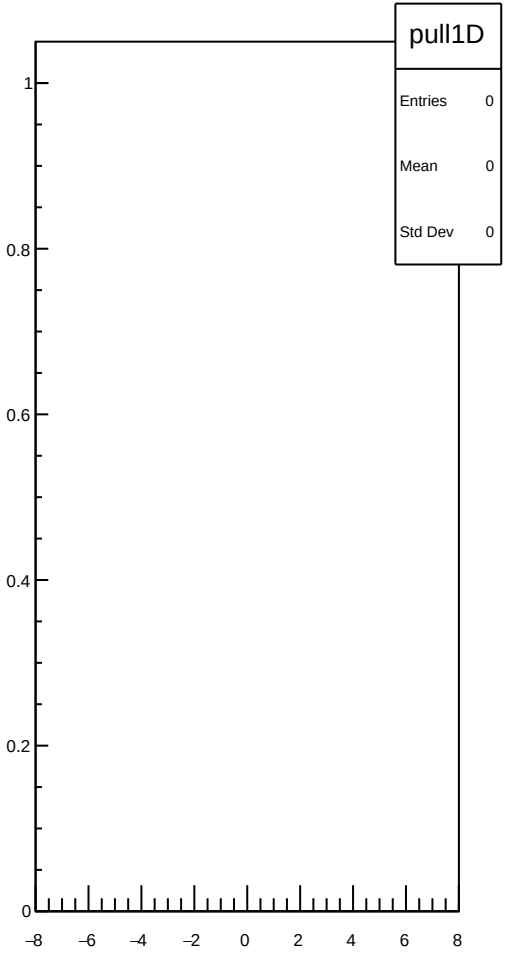

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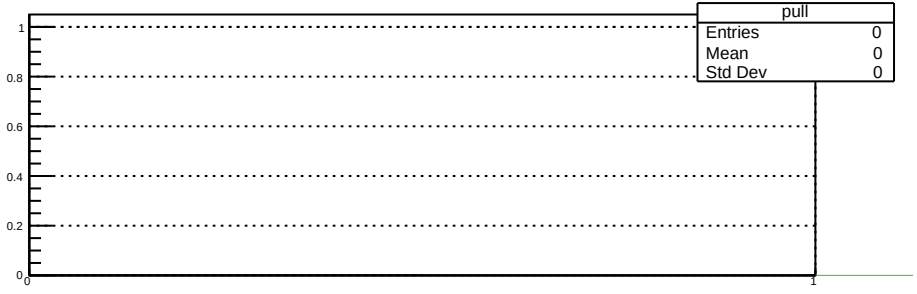

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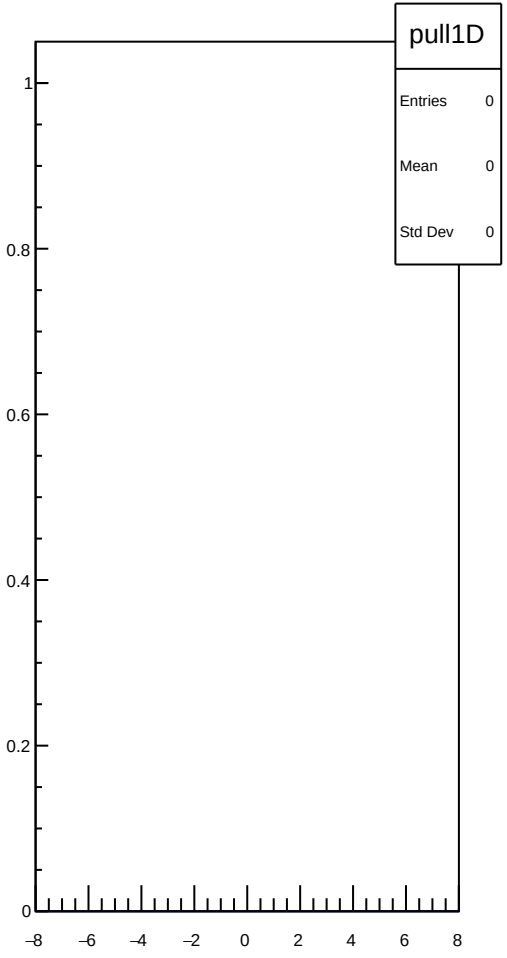

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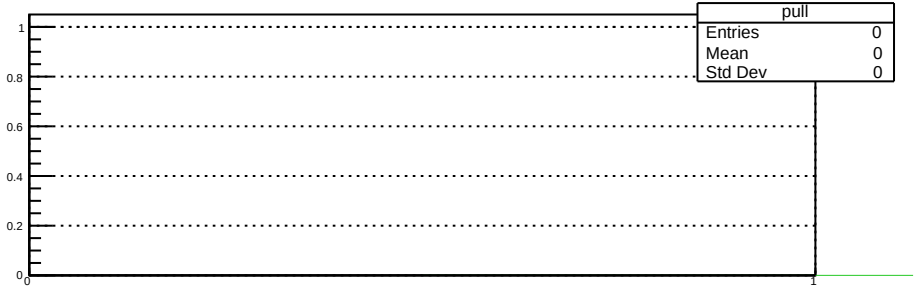

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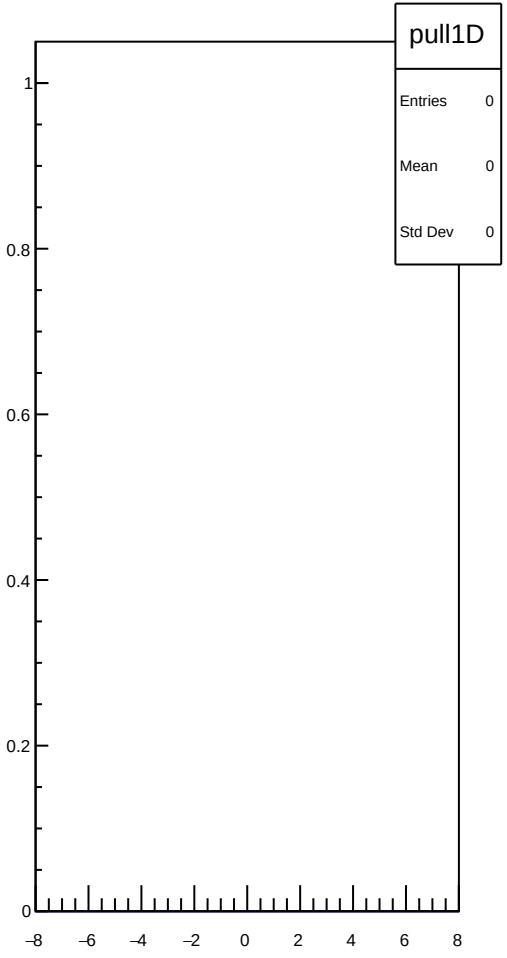

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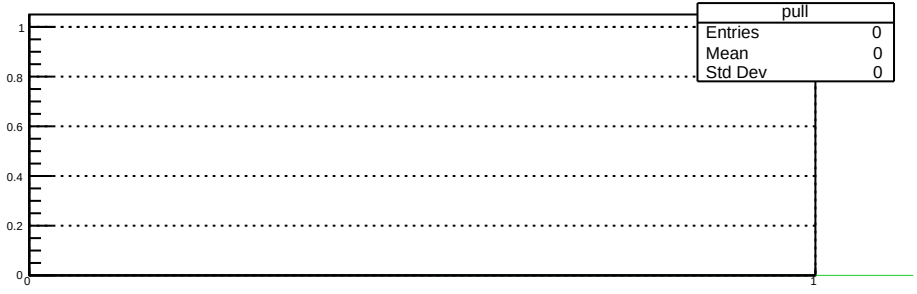

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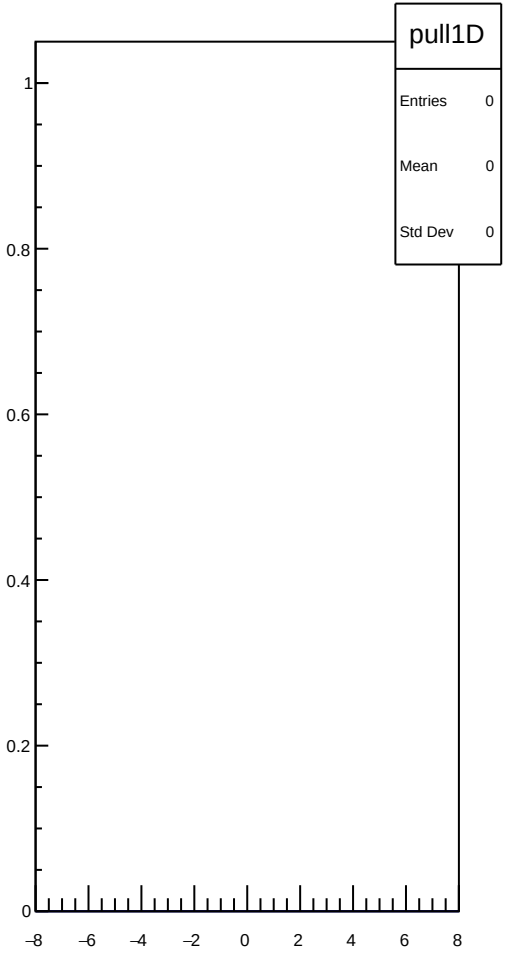

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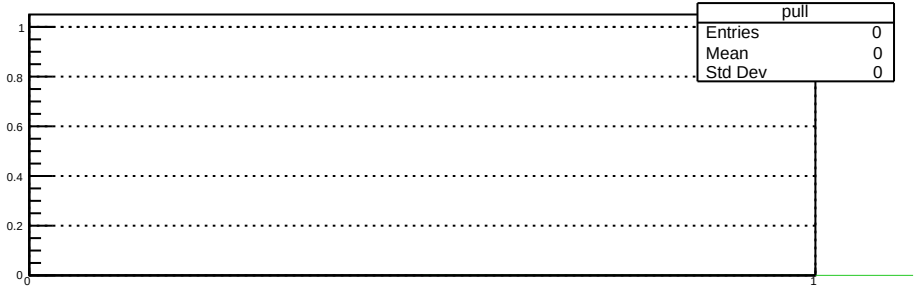

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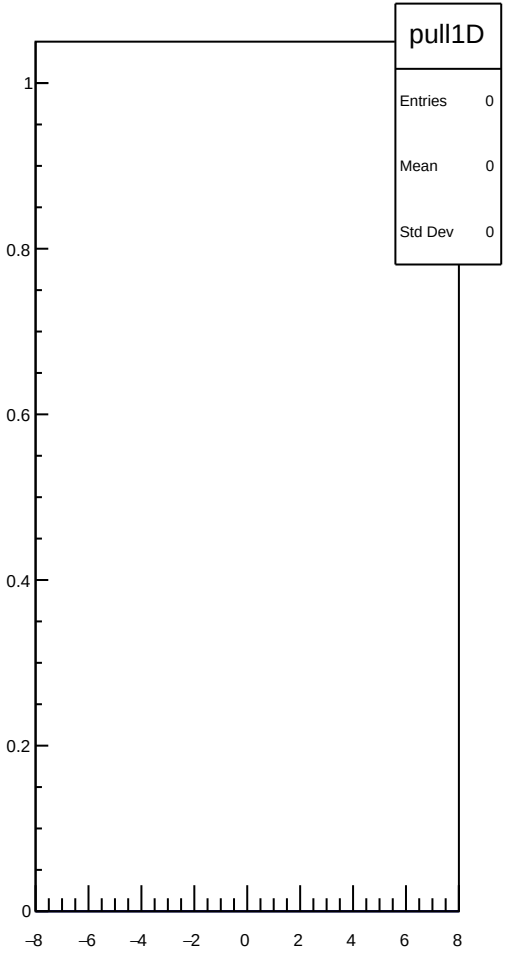

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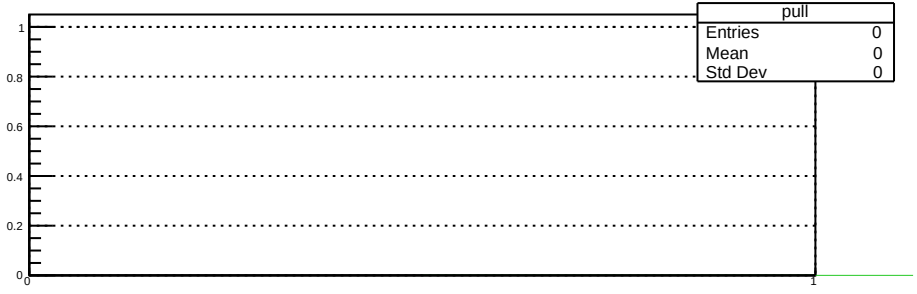

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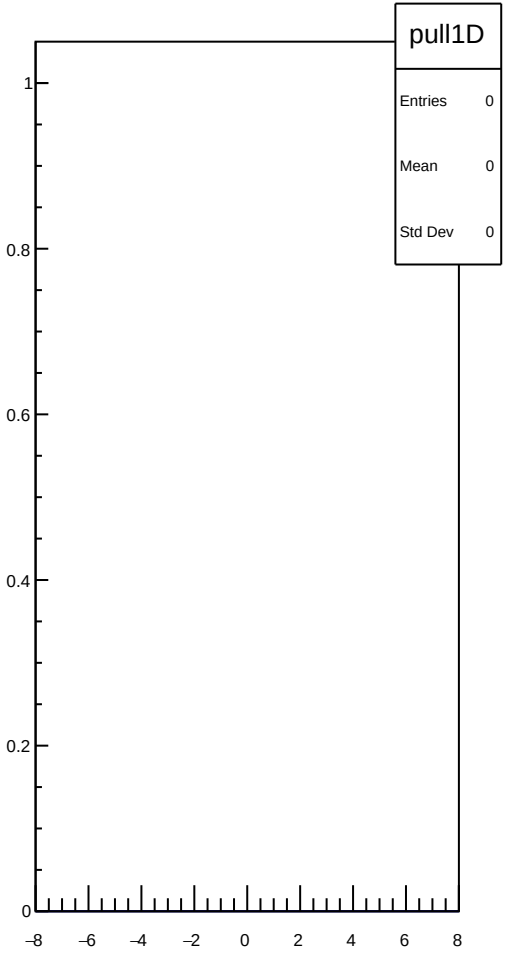

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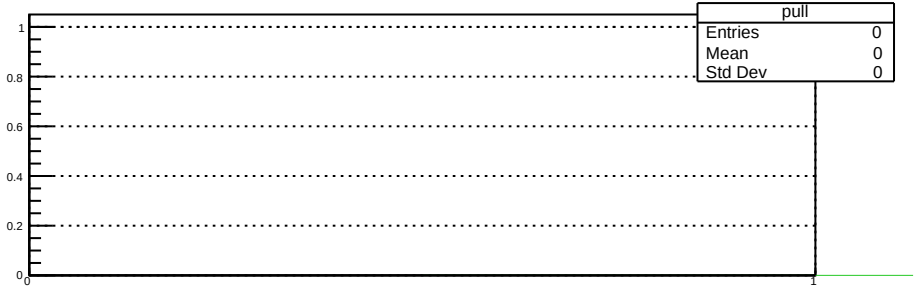

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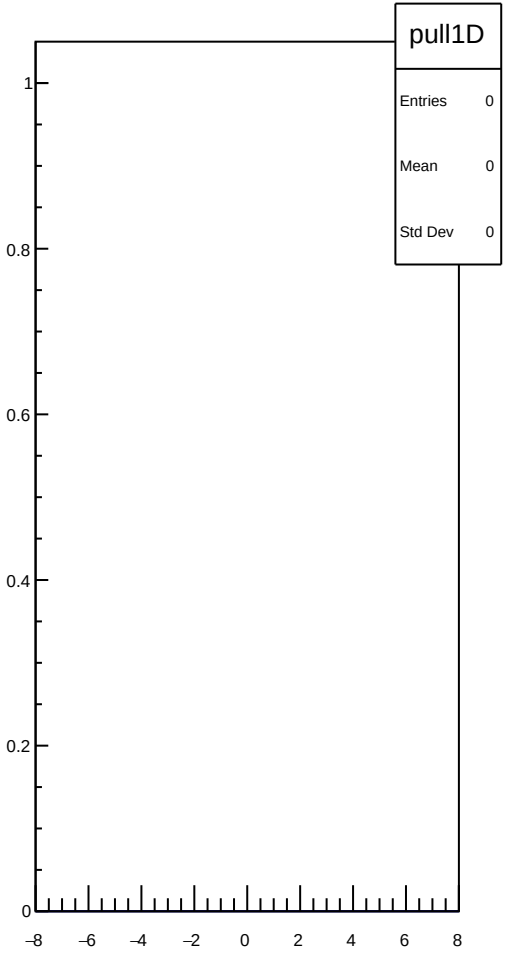

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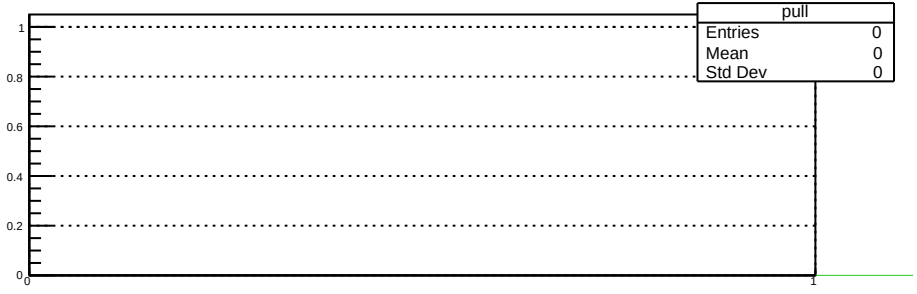

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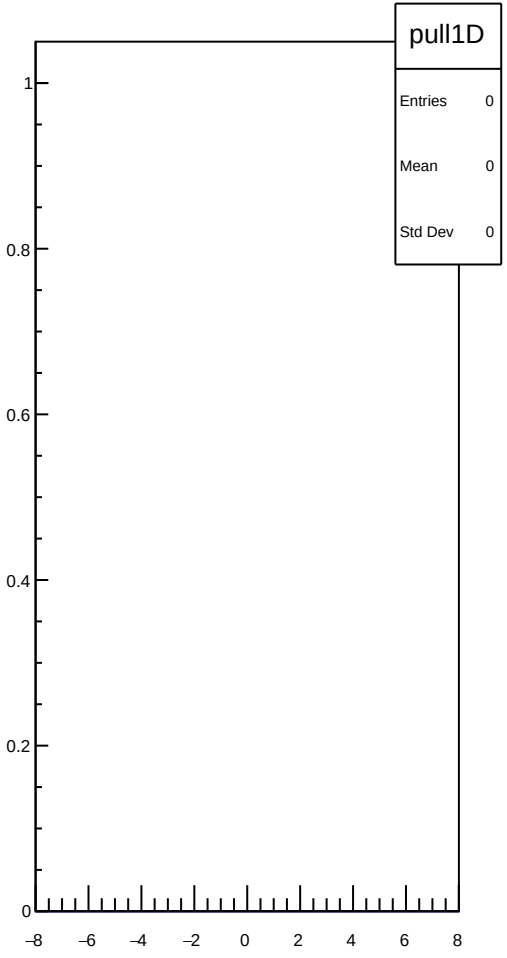

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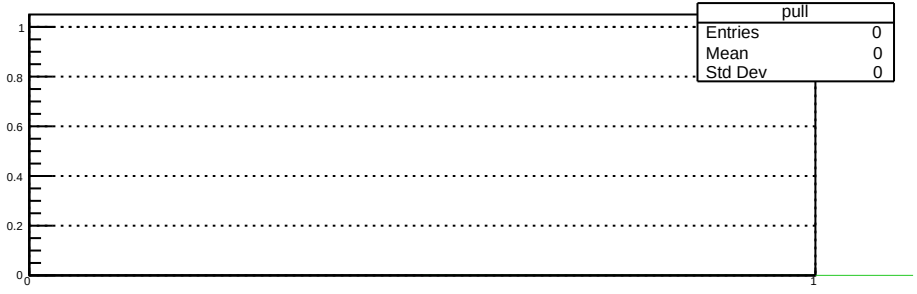

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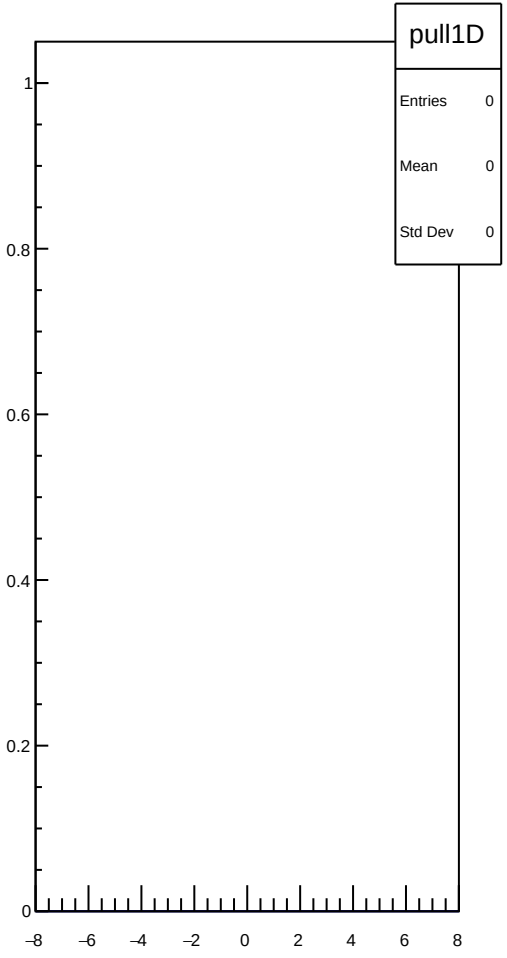

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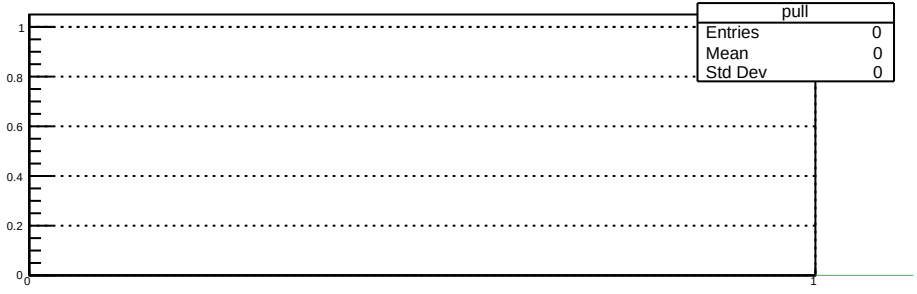

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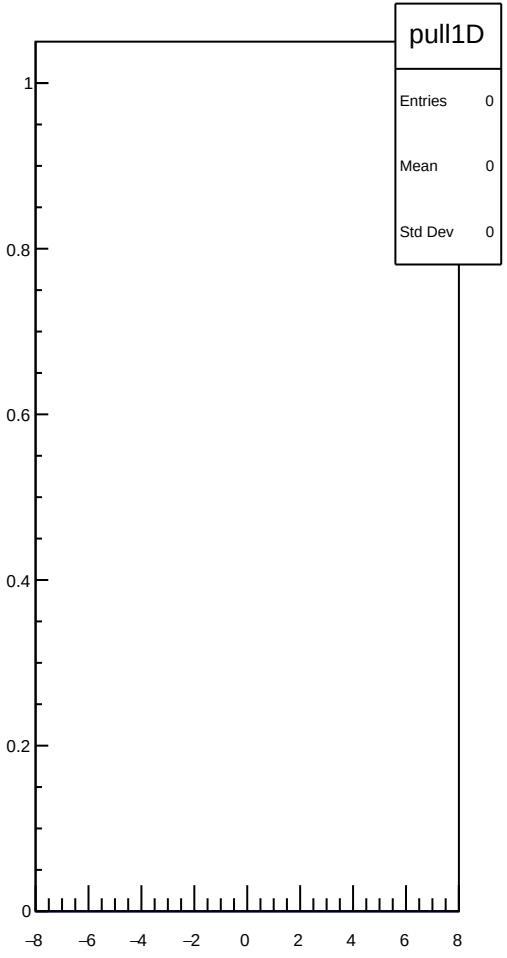

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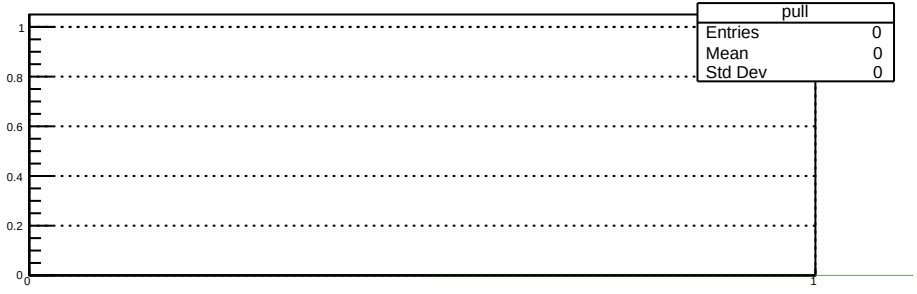

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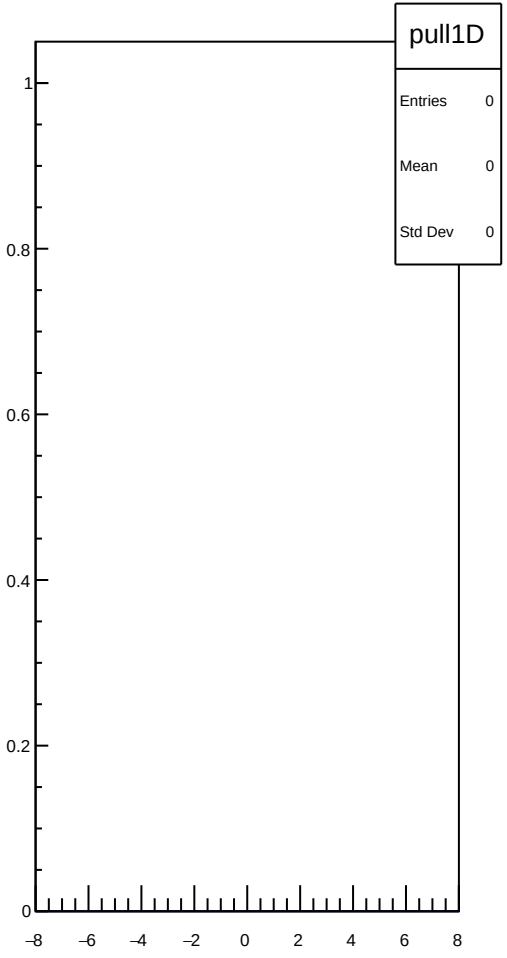

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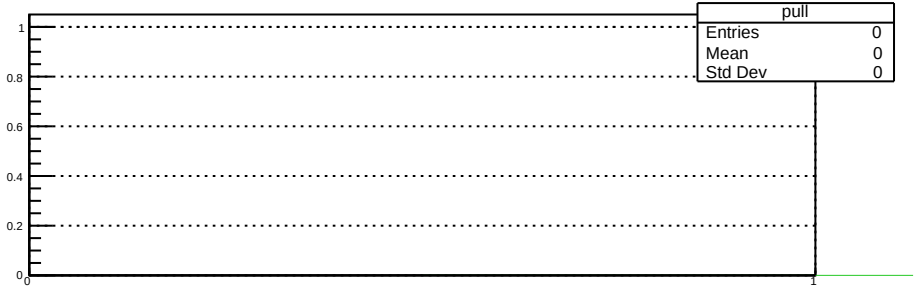

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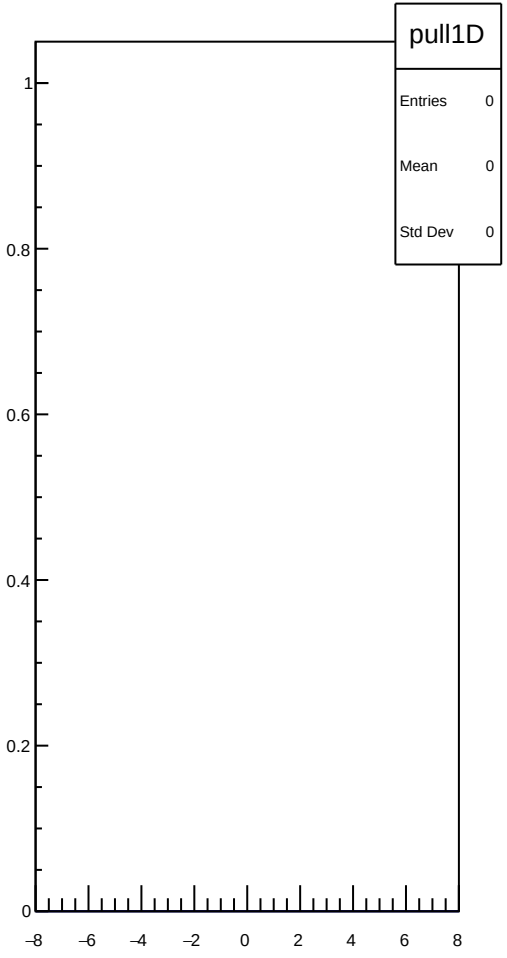

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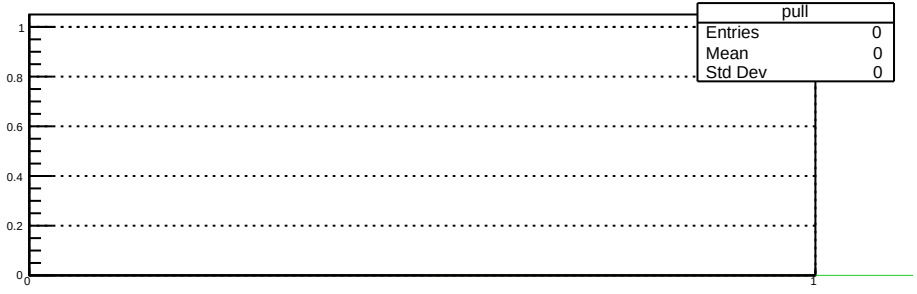

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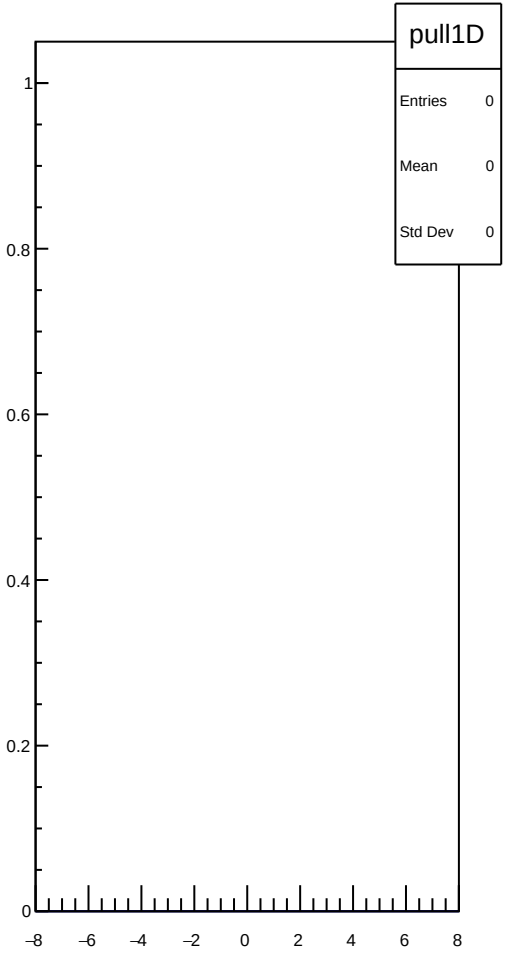

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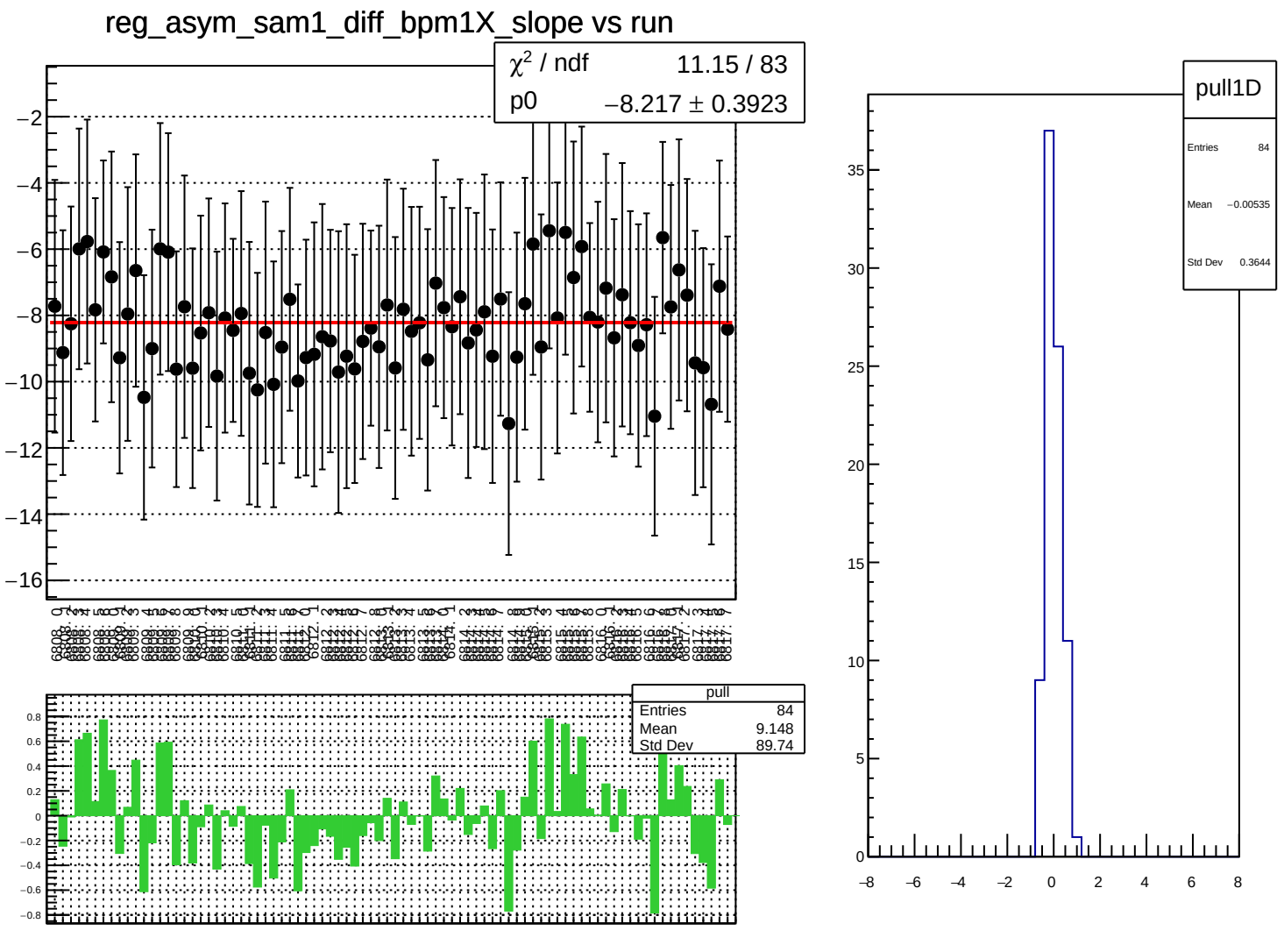

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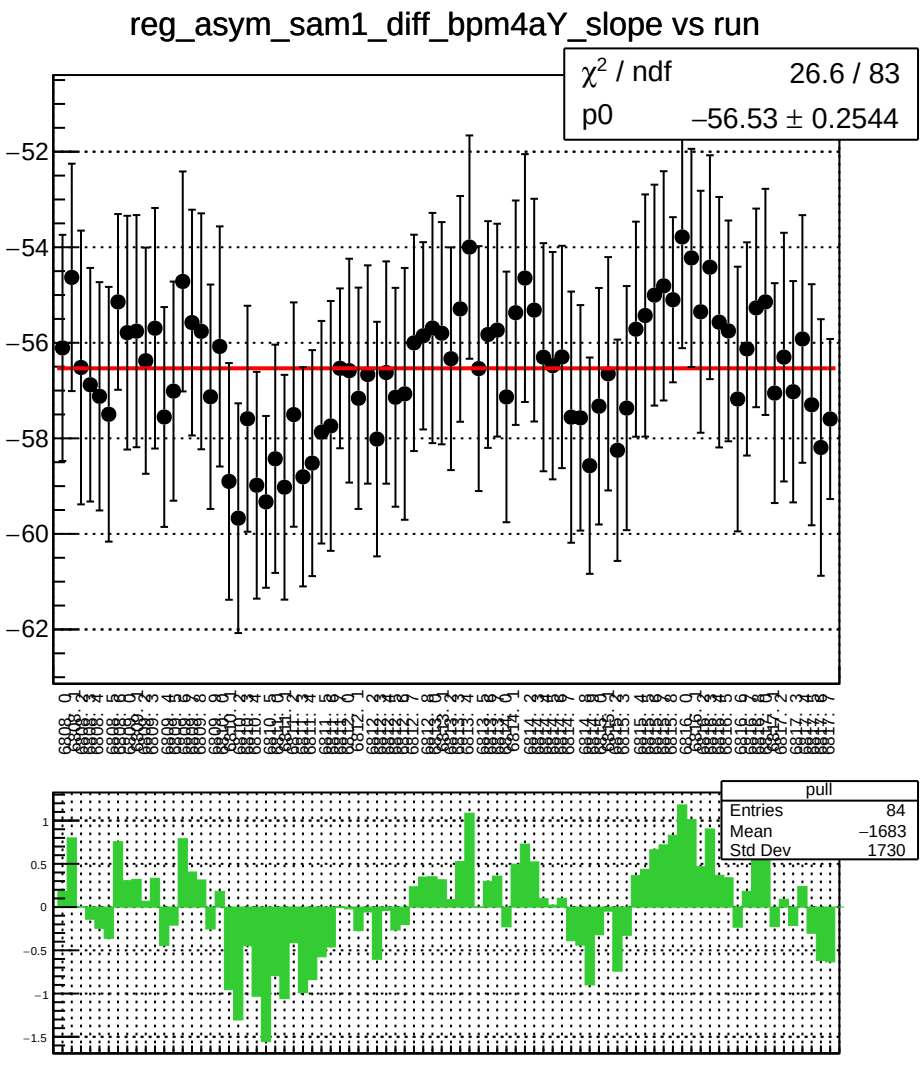

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0
1

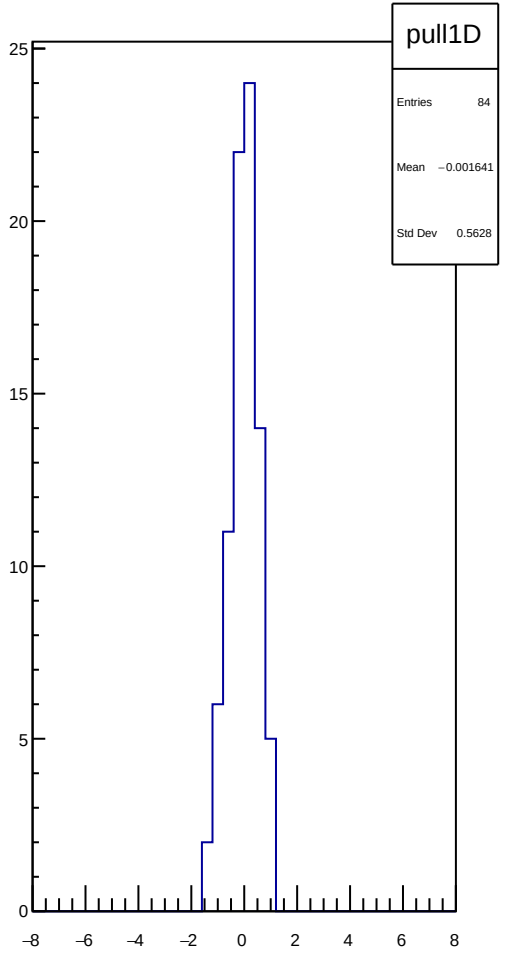

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

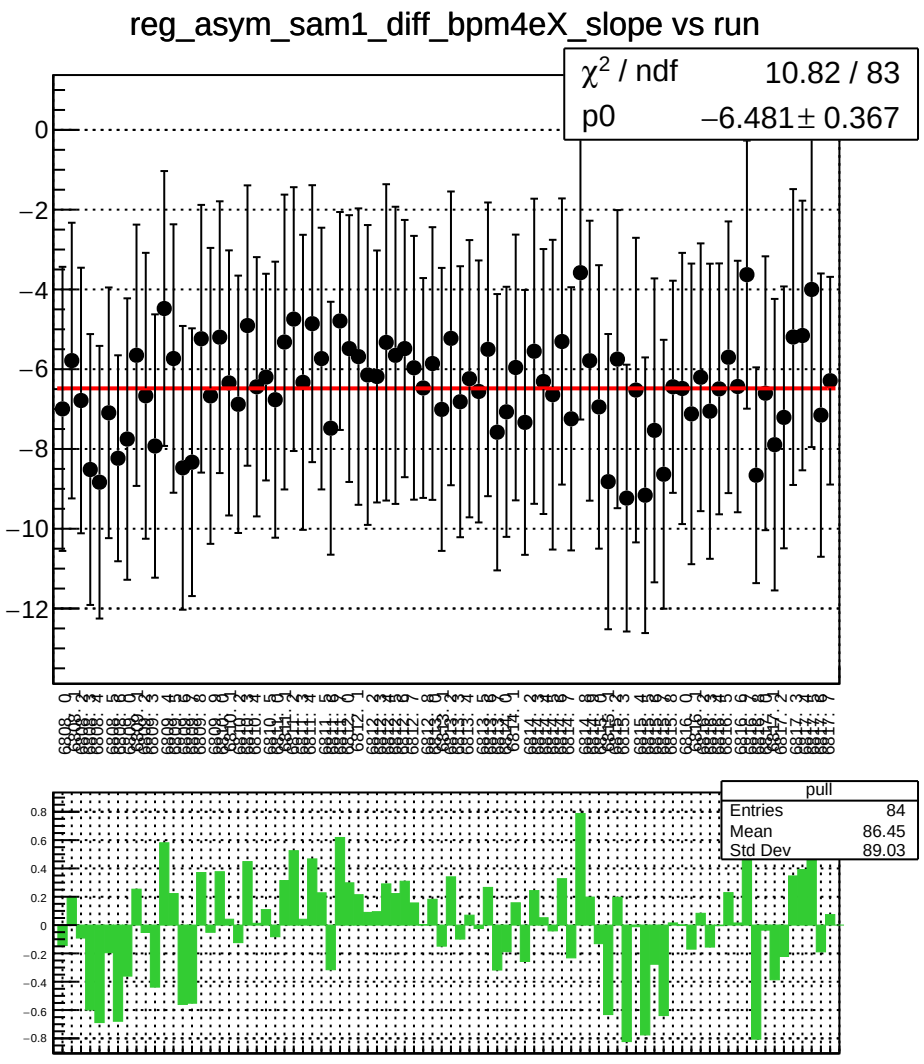

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

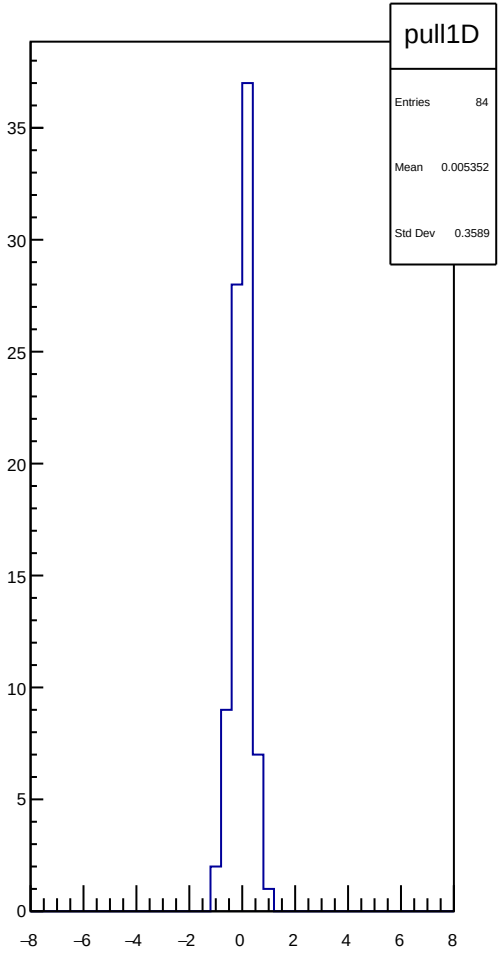

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

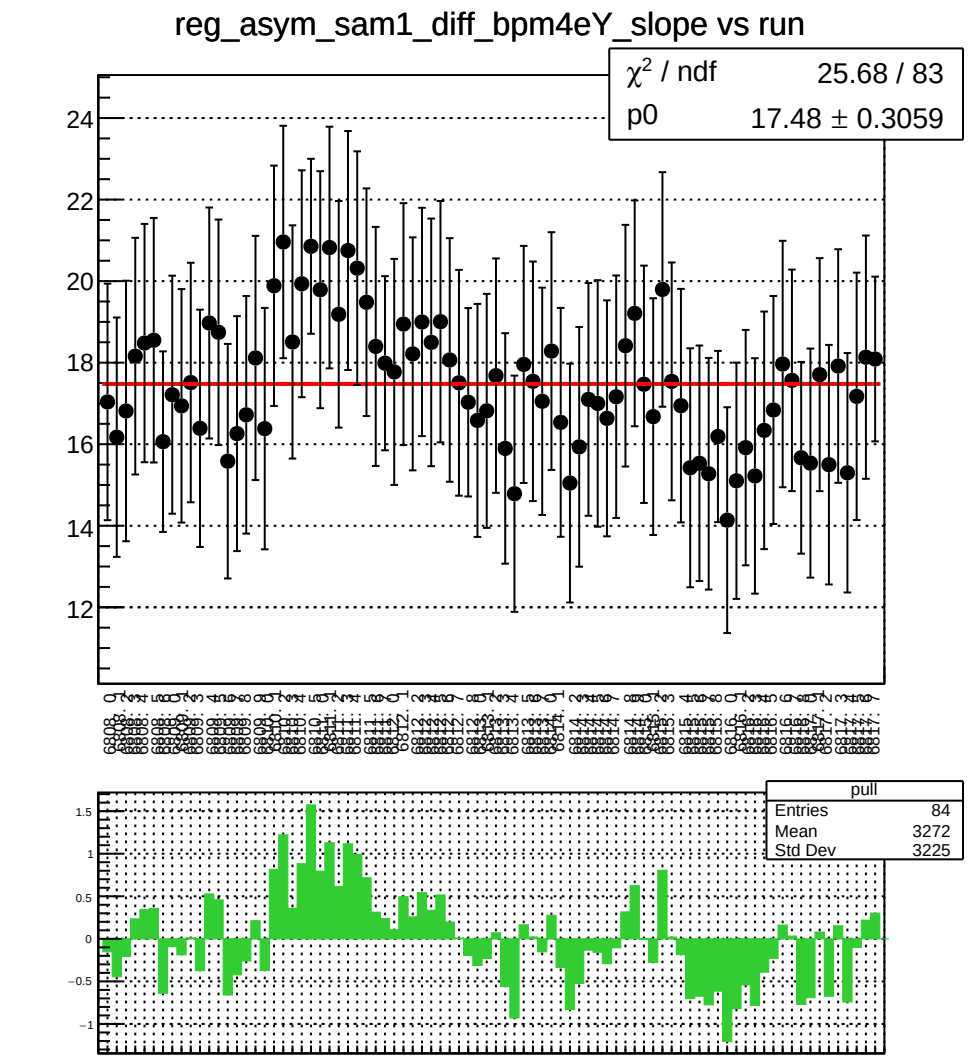

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 11.15 / 83
p0 −8.217 ± 0.3923
pull
Entries 84
Mean 9.148
Std Dev 89.74
pull1D
Entries 84
Mean −0.00535
Std Dev 0.3644

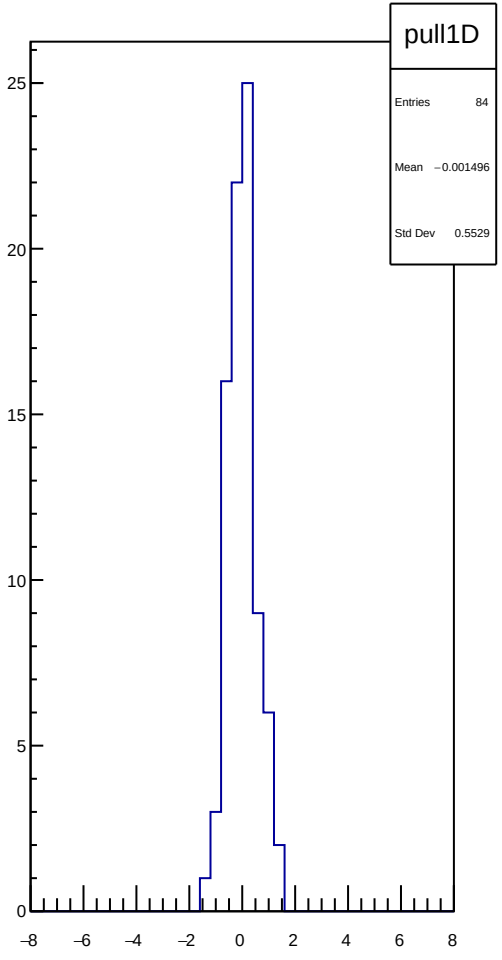

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 26.6 / 83
p0 −56.53 ± 0.2544
−52
−54
−56
−58
−60
−62
pull
Entries 84
Mean −1683
Std Dev 1730
1
0.5
0
−0.5
−1
−1.5

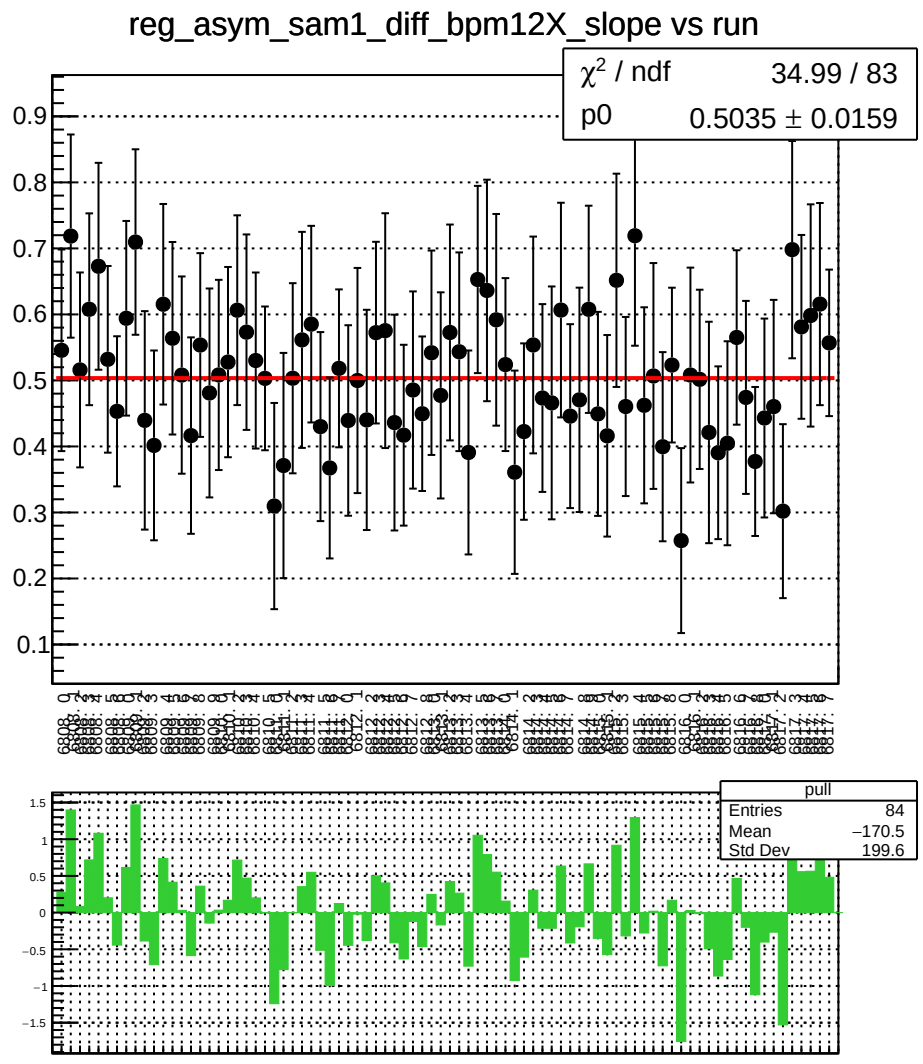

pull1D
Entries 84
Mean −0.001641
Std Dev 0.5628
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

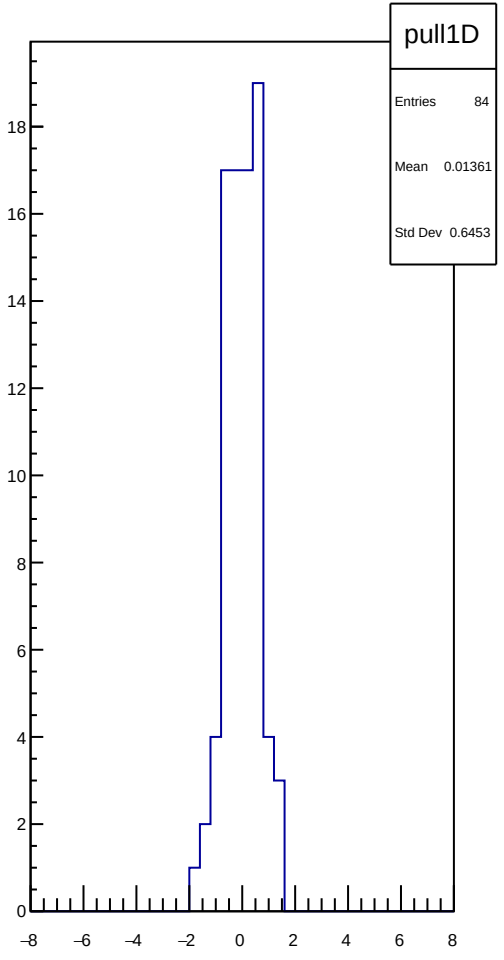

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 10.82 / 83
p0 −6.481 ± 0.367
pull
Entries 84
Mean 86.45
Std Dev 89.03

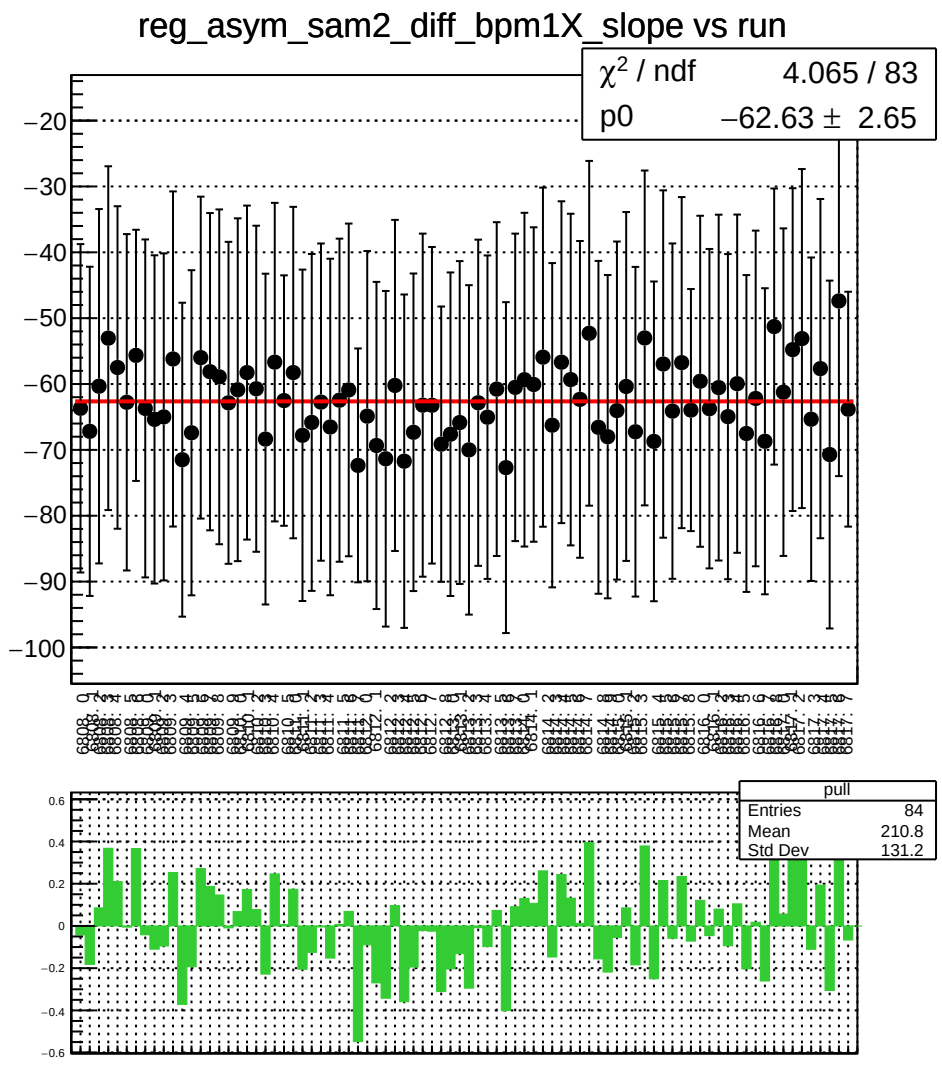

pull1D
Entries 84
Mean 0.005352
Std Dev 0.3589

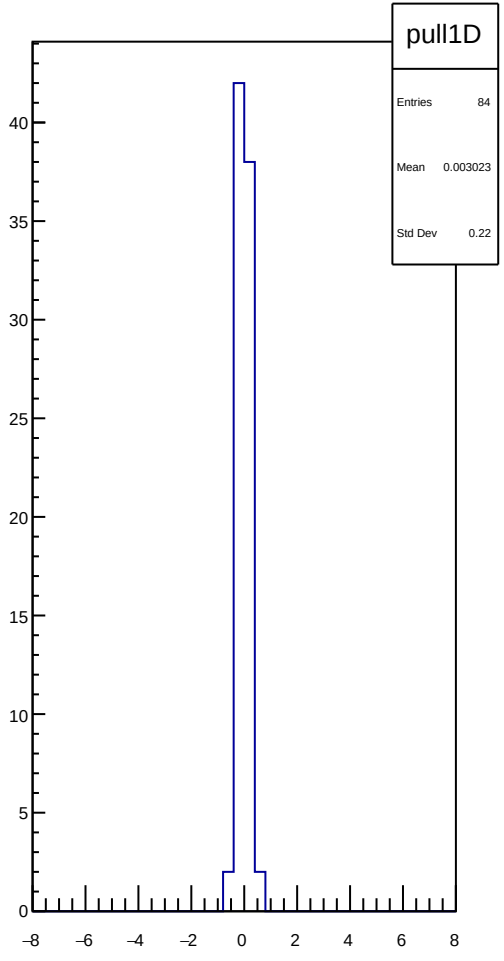

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 25.68 / 83
p0 17.48 ± 0.3059
pull
Entries 84
Mean 3272
Std Dev 3225

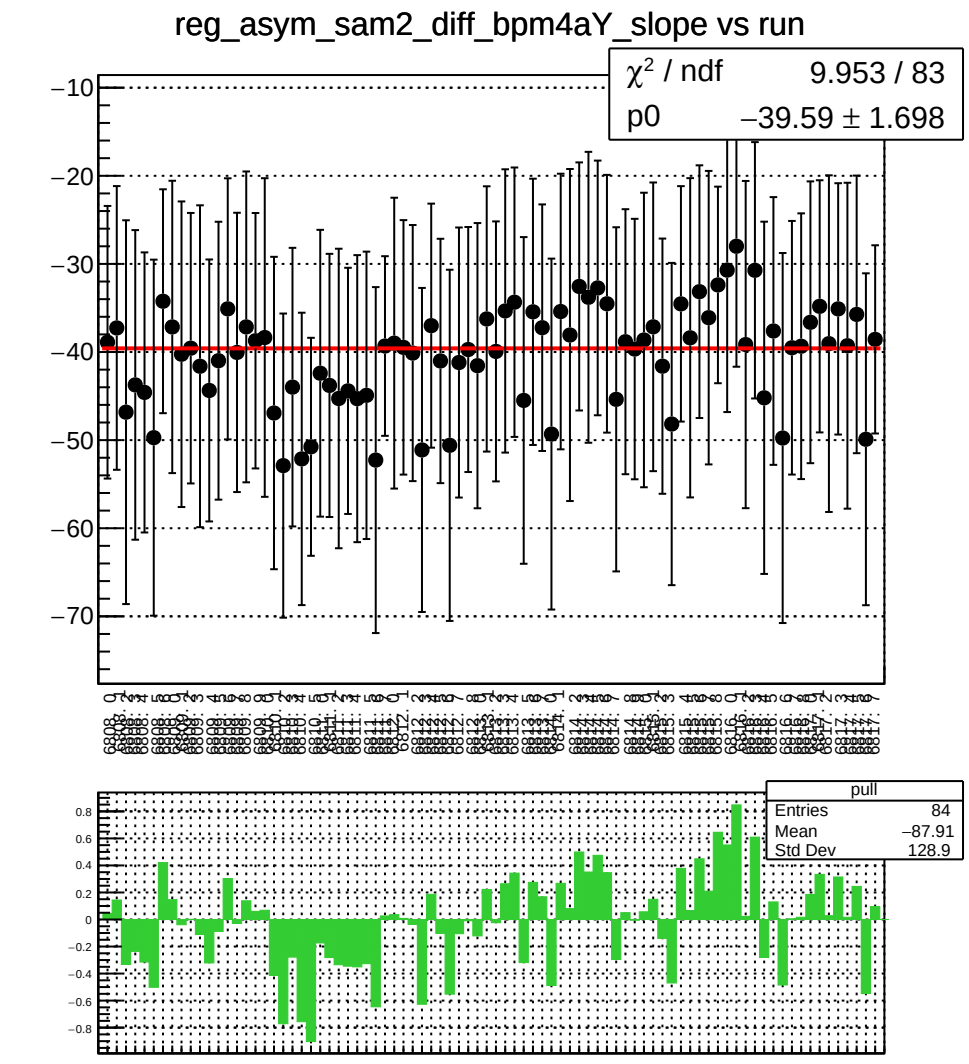

pull1D
Entries 84
Mean −0.001496
Std Dev 0.5529

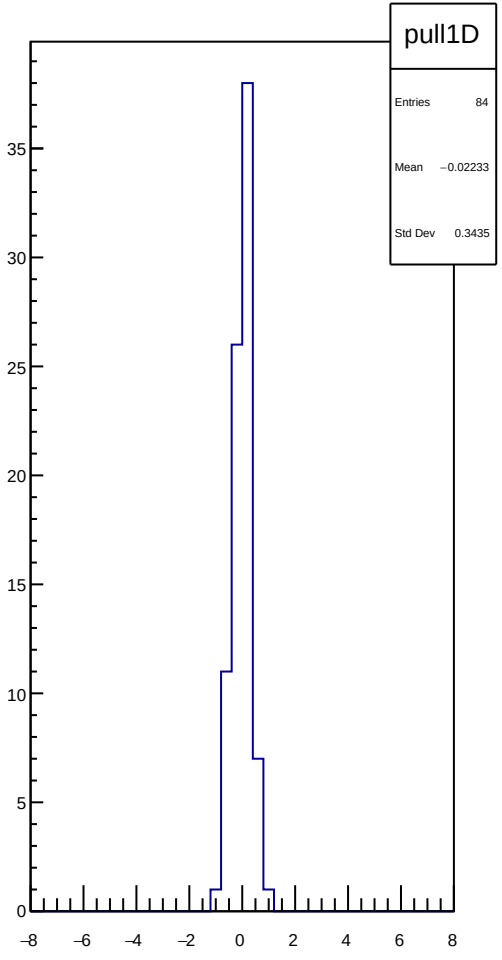

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 34.99 / 83
p0 0.5035 ± 0.0159
pull
Entries 84
Mean −170.5
Std Dev 199.6

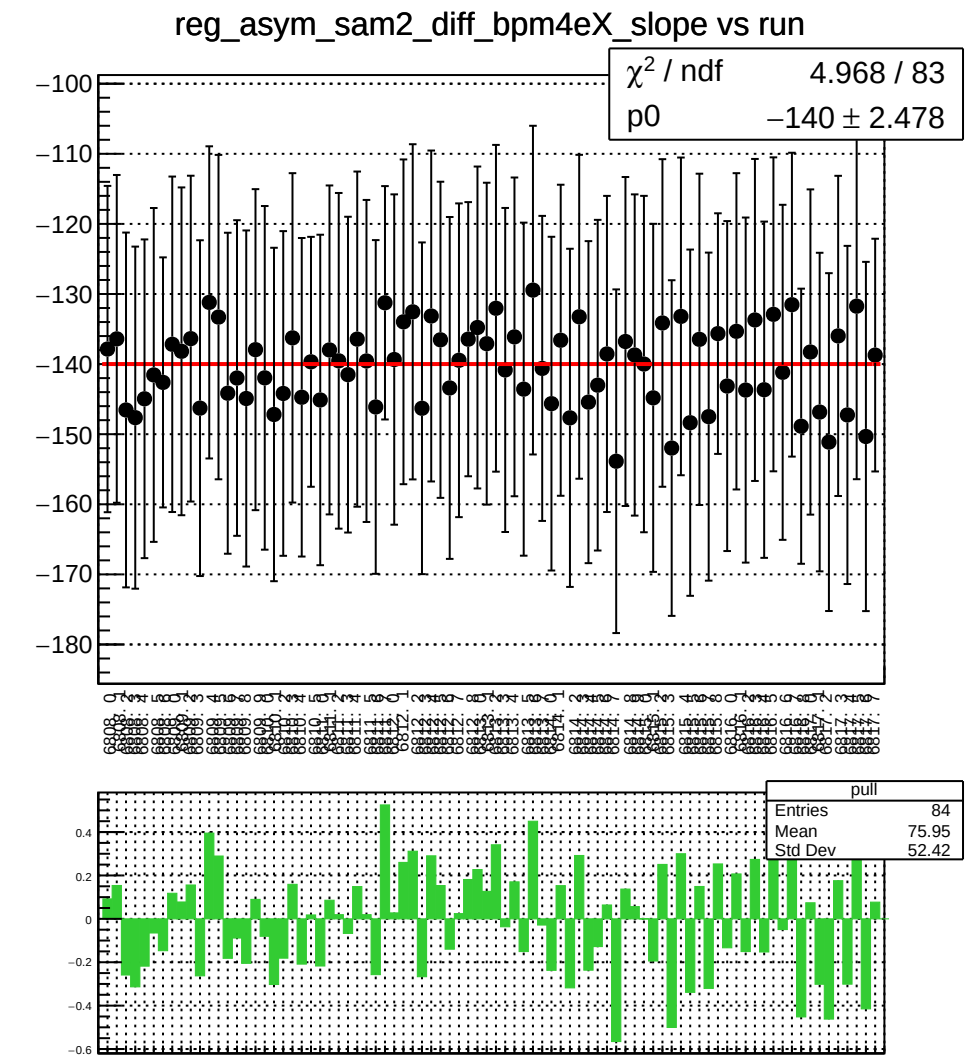

pull1D
Entries 84
Mean 0.01361
Std Dev 0.6453

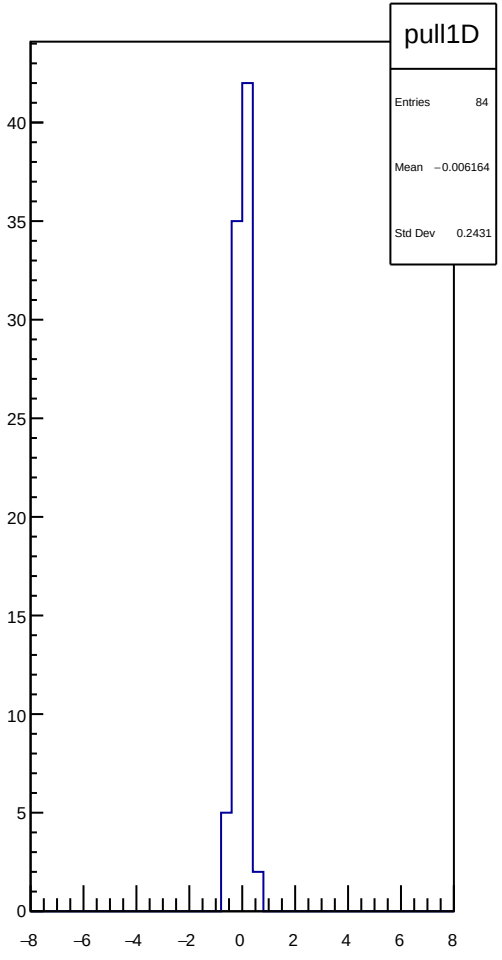

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 4.065 / 83
p0 −62.63 ± 2.65
pull
Entries 84
Mean 210.8
Std Dev 131.2

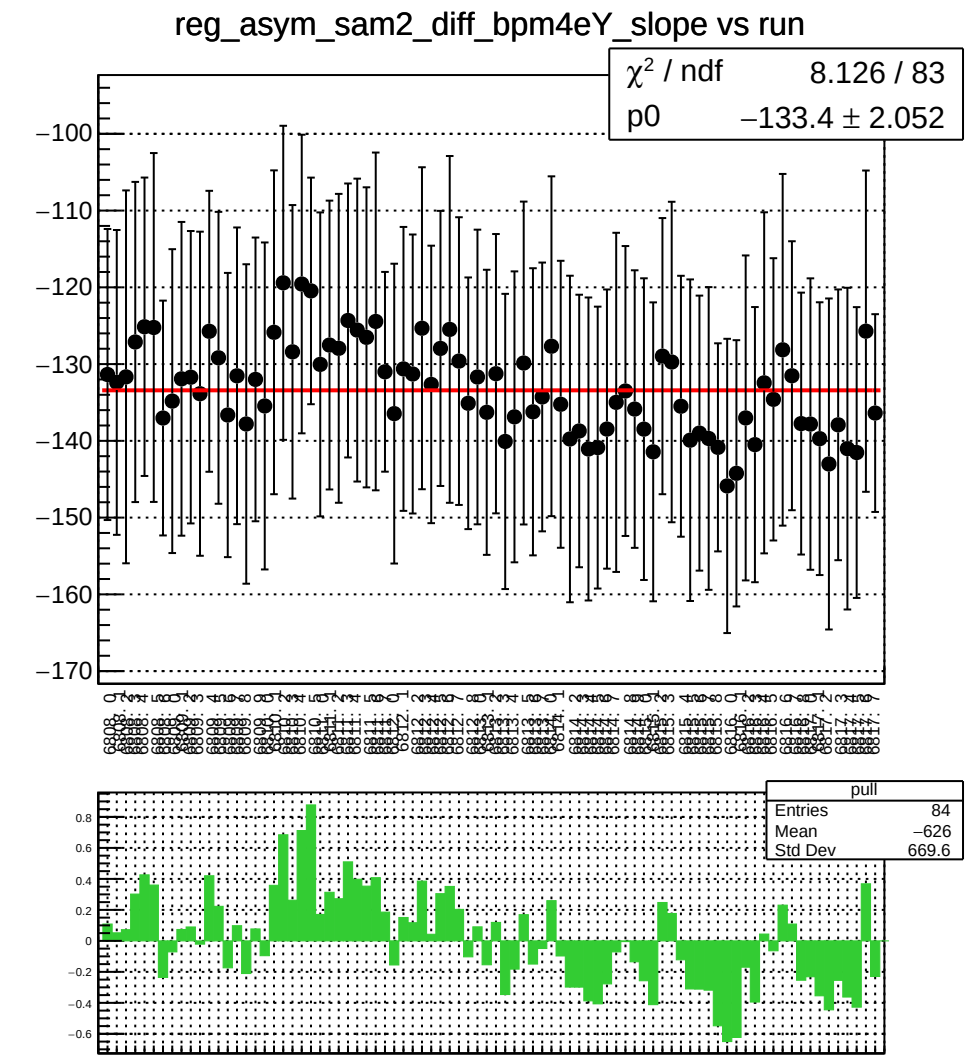

pull1D
Entries 84
Mean 0.003023
Std Dev 0.22

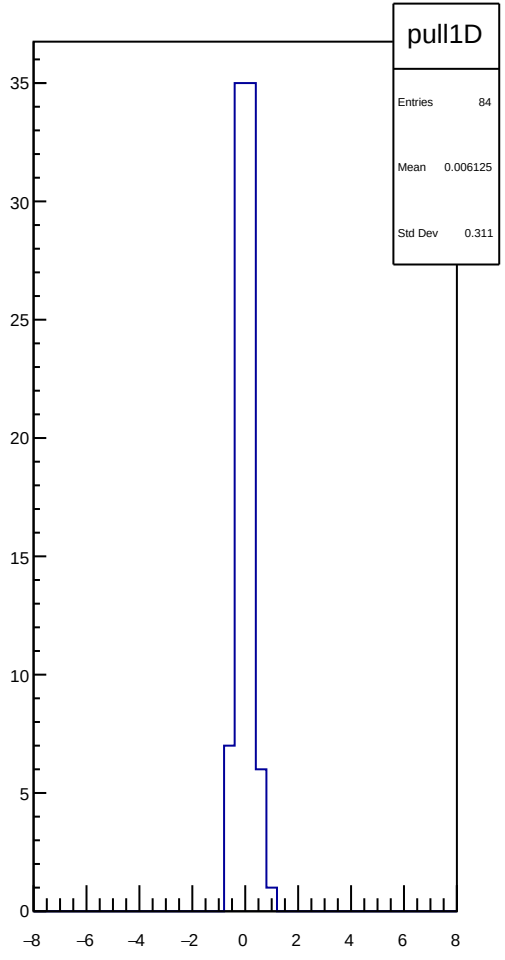

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 9.953 / 83
p0 −39.59 ± 1.698
pull
Entries 84
Mean −87.91
Std Dev 128.9

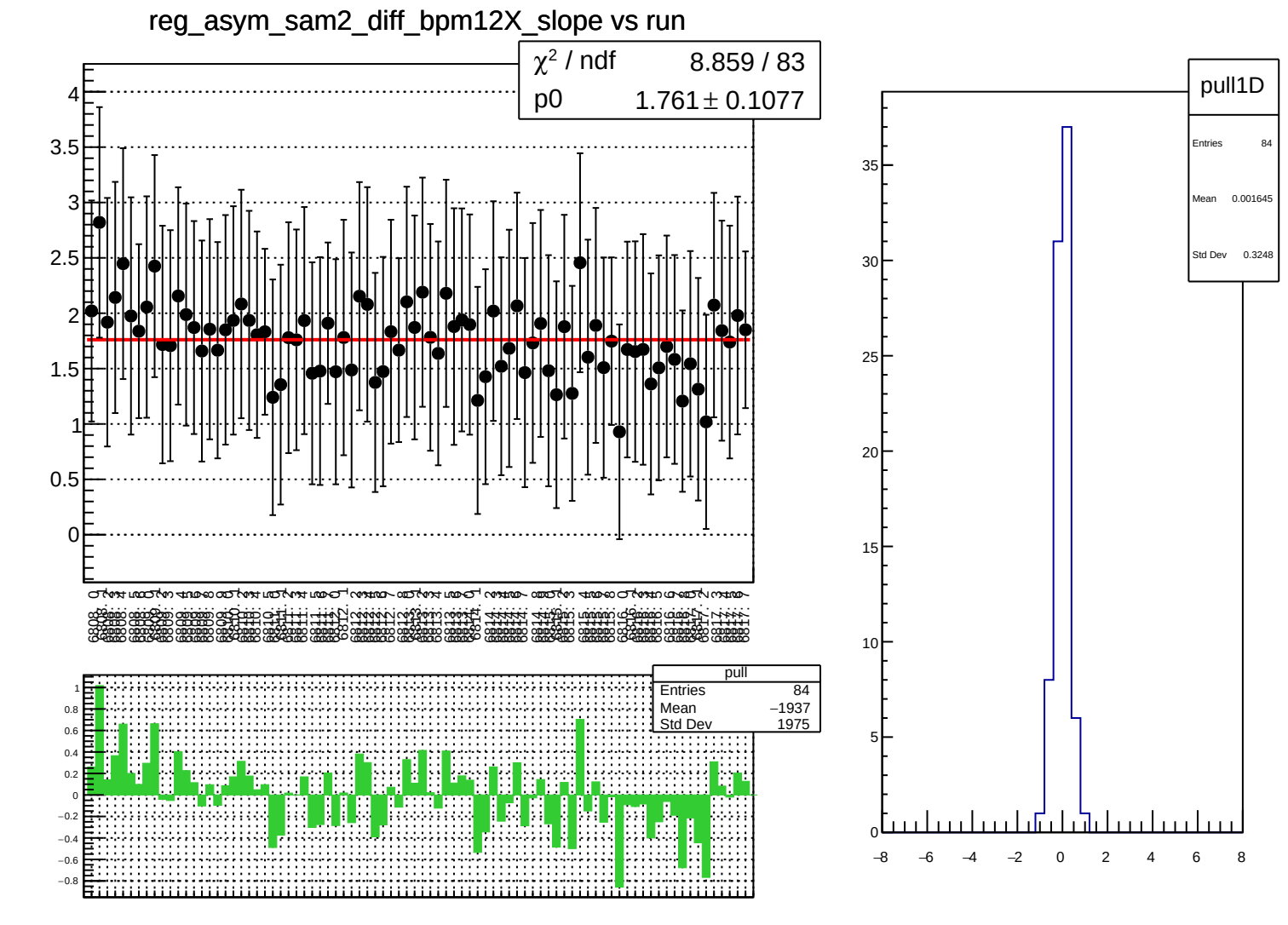

pull1D
Entries 84
Mean −0.02233
Std Dev 0.3435

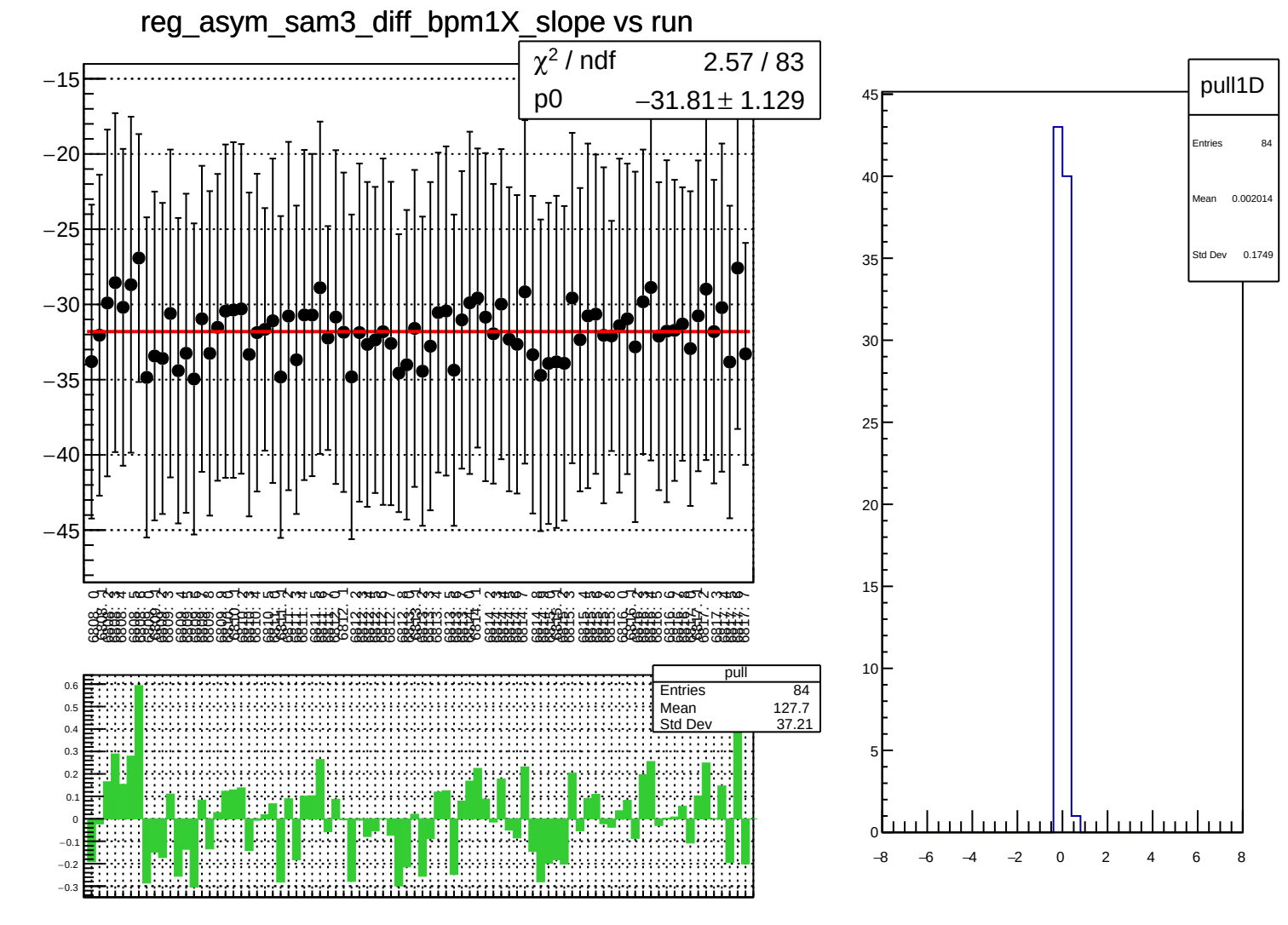

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 4.968 / 83
p0 −140 ± 2.478
pull
Entries 84
Mean 75.95
Std Dev 52.42

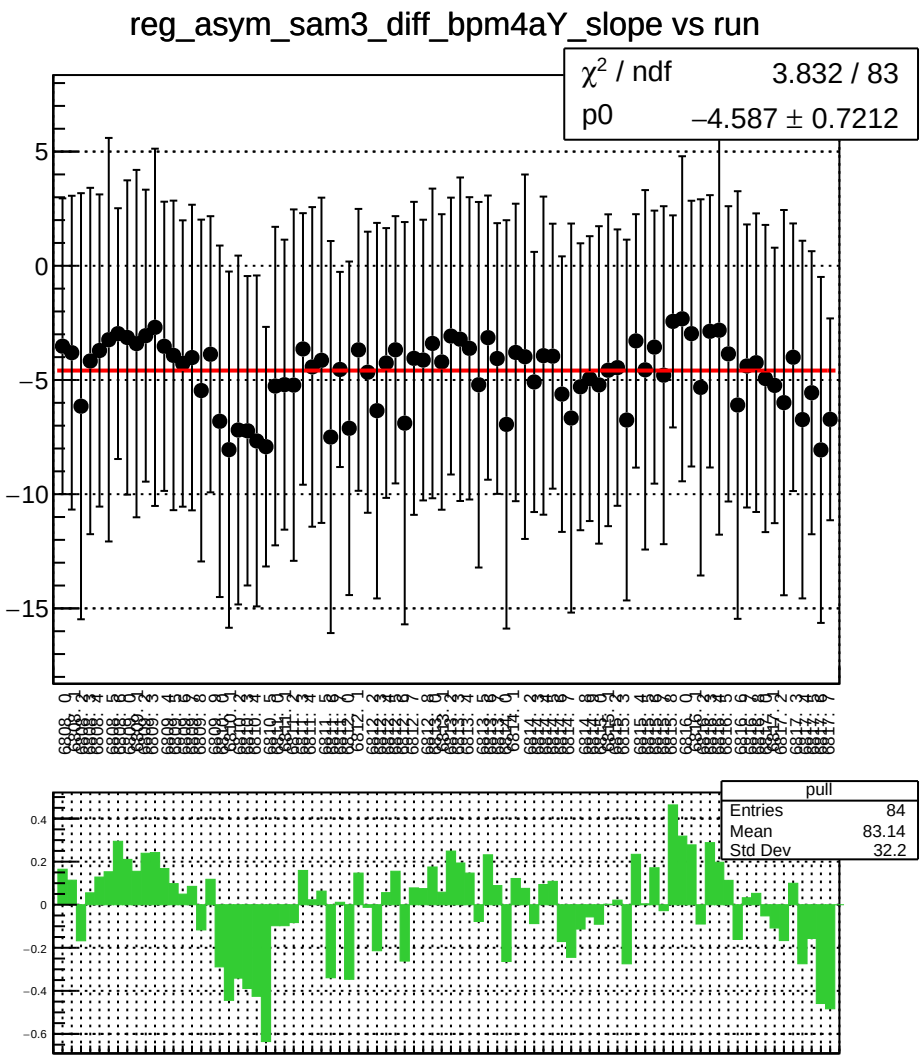

pull1D
Entries 84
Mean −0.006164
Std Dev 0.2431

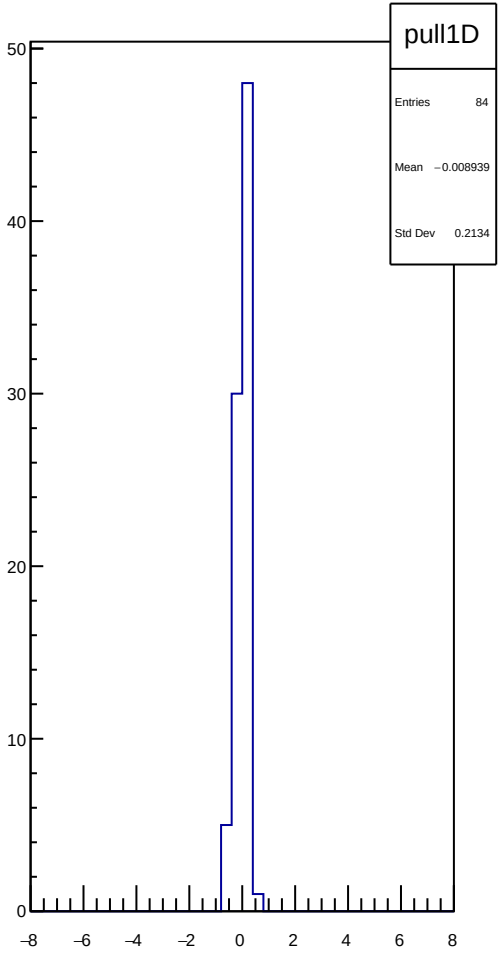

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 8.126 / 83
p0 −133.4 ± 2.052
pull
Entries 84
Mean −626
Std Dev 669.6

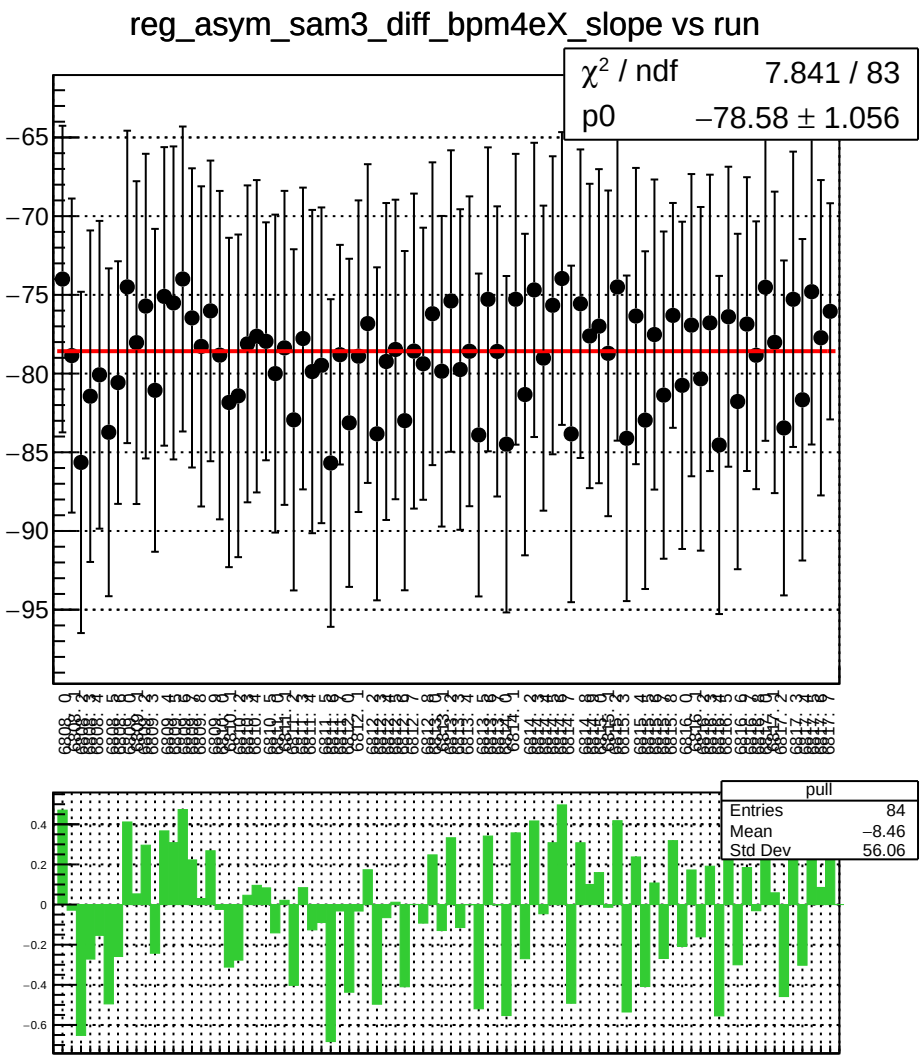

pull1D
Entries 84
Mean 0.006125
Std Dev 0.311

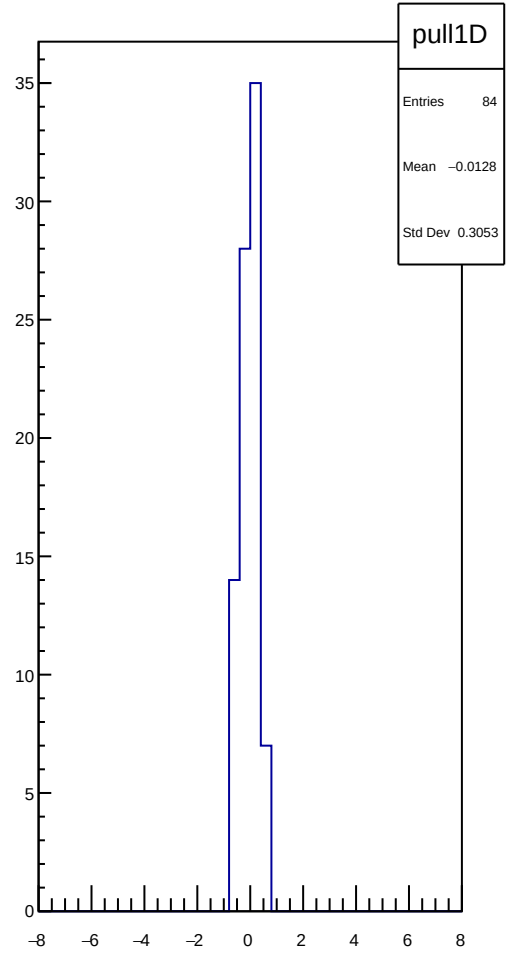

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 8.859 / 83
p0 1.761 ± 0.1077
pull
Entries 84
Mean −1937
Std Dev 1975
pull1D
Entries 84
Mean 0.001645
Std Dev 0.3248

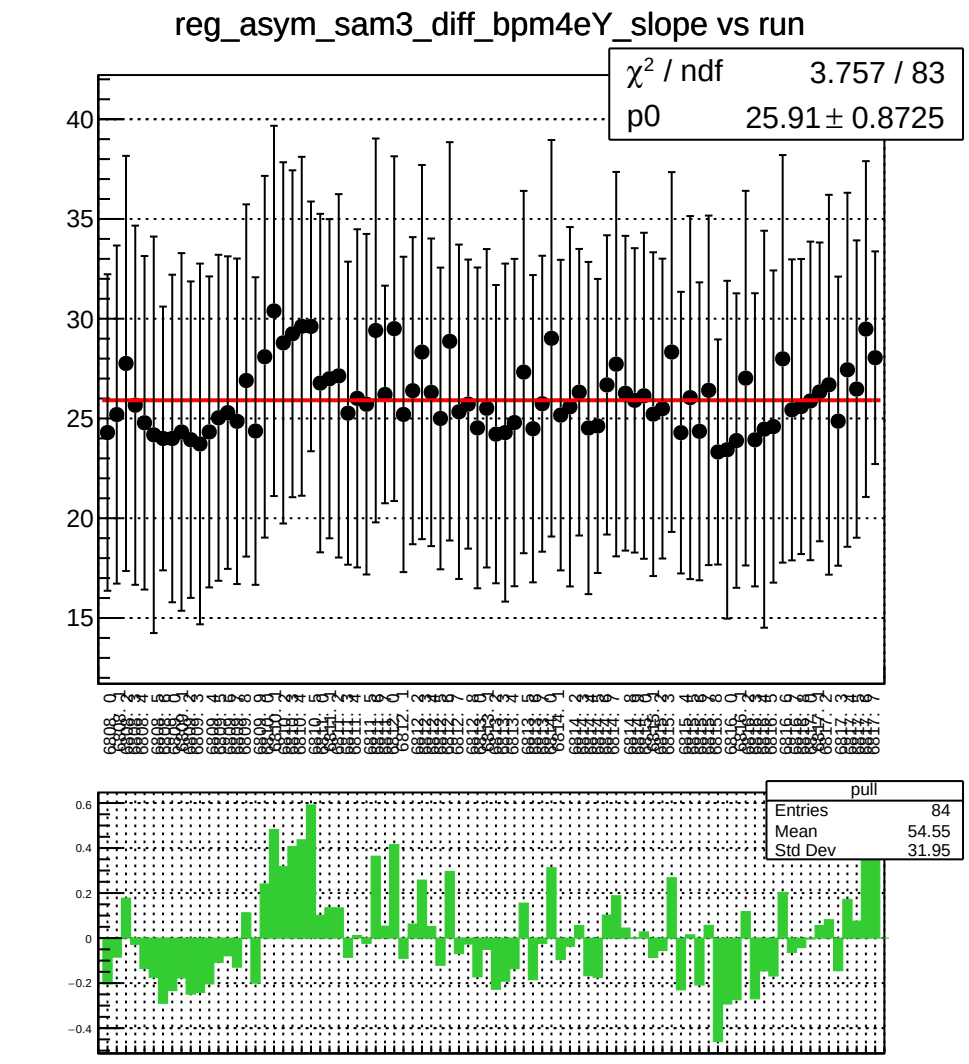

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 2.57 / 83
p0 −31.81 ± 1.129
pull
Entries 84
Mean 127.7
Std Dev 37.21
pull1D
Entries 84
Mean 0.002014
Std Dev 0.1749

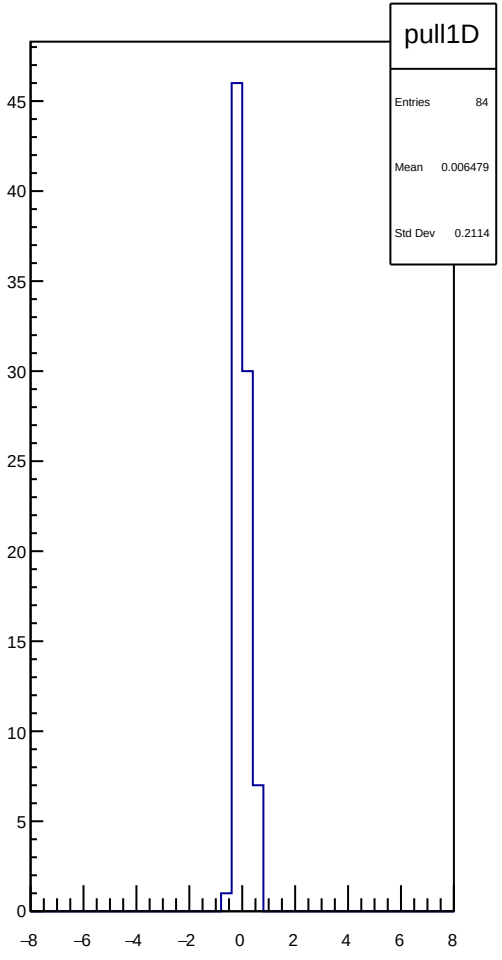

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.832 / 83
p0 −4.587 ± 0.7212
pull
Entries 84
Mean 83.14
Std Dev 32.2

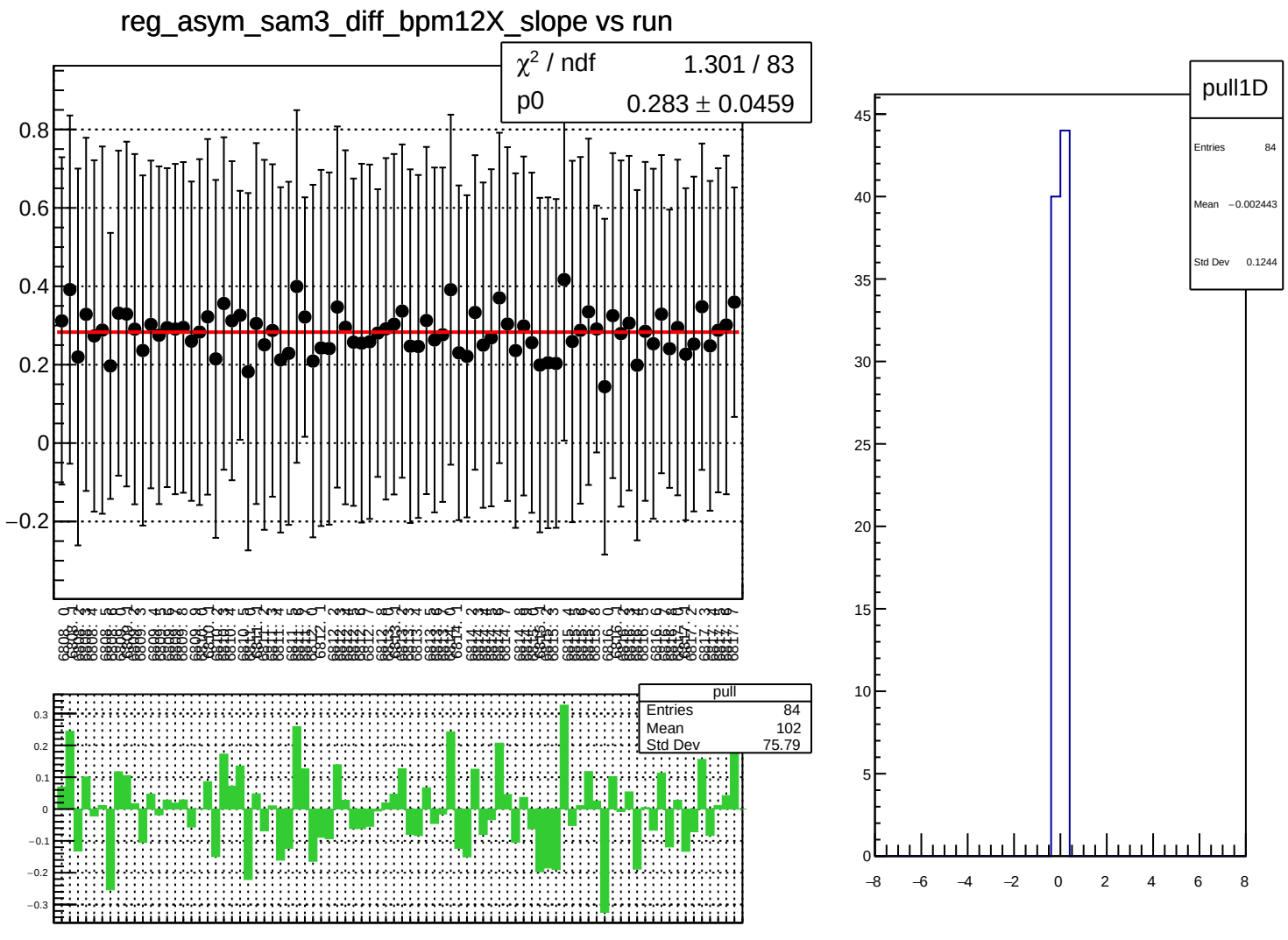

pull1D
Entries 84
Mean −0.008939
Std Dev 0.2134

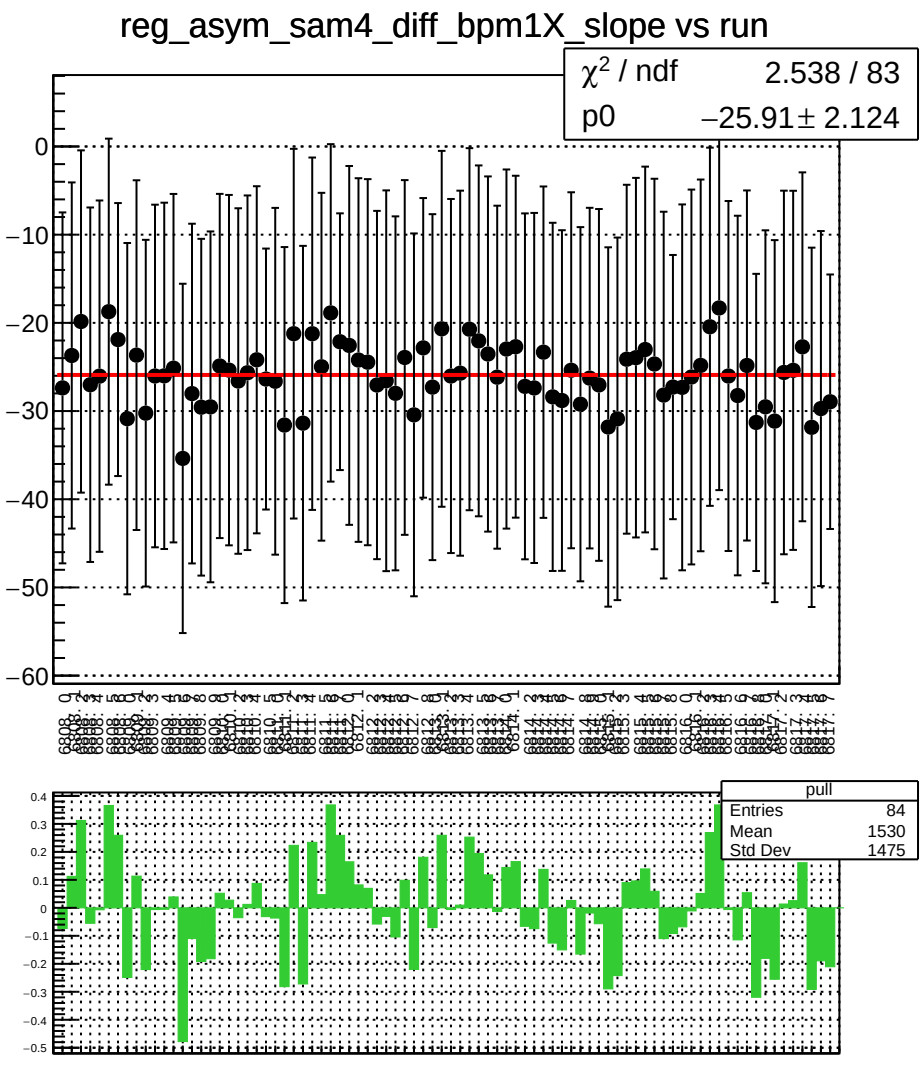

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 7.841 / 83
p0 −78.58 ± 1.056
pull
Entries 84
Mean −8.46
Std Dev 56.06

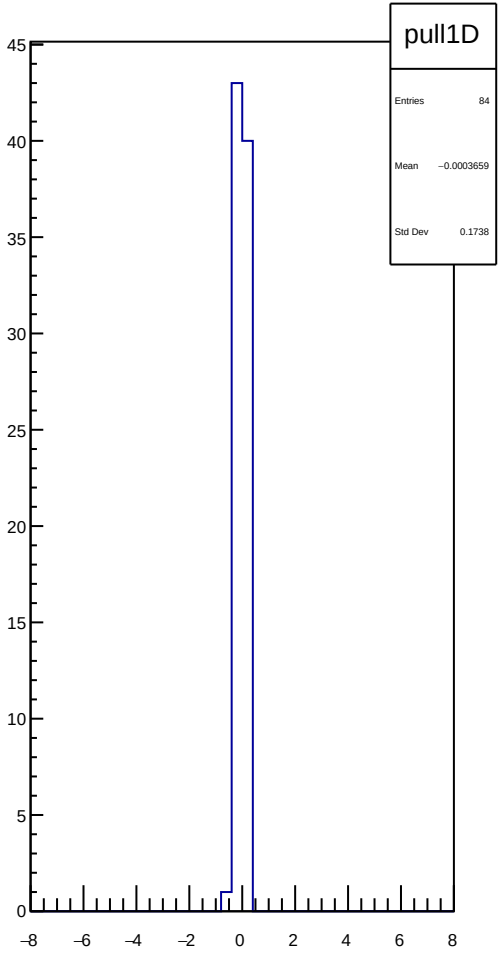

pull1D
Entries 84
Mean −0.0128
Std Dev 0.3053

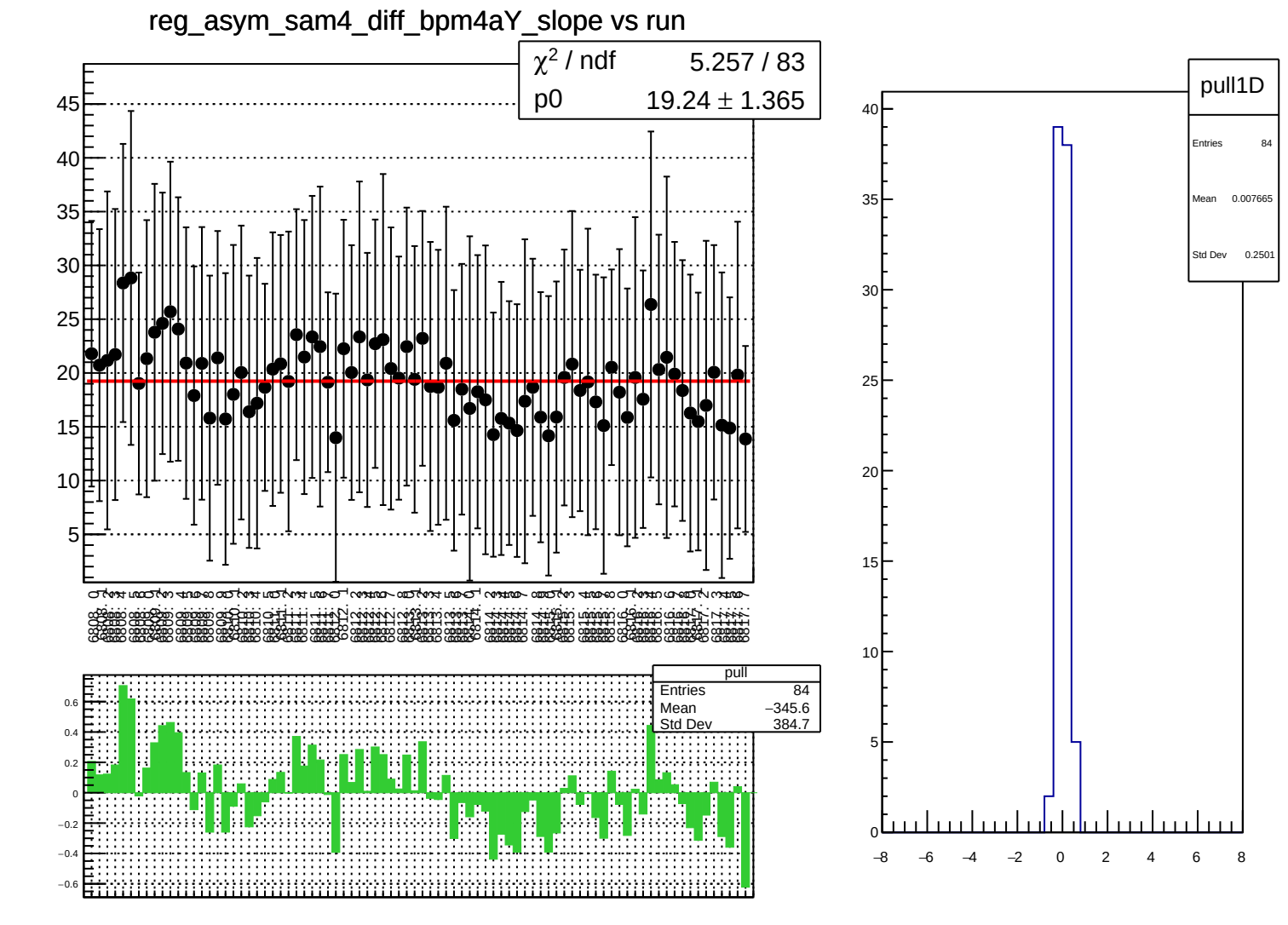

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.757 / 83
p0 25.91 ± 0.8725
pull
Entries 84
Mean 54.55
Std Dev 31.95

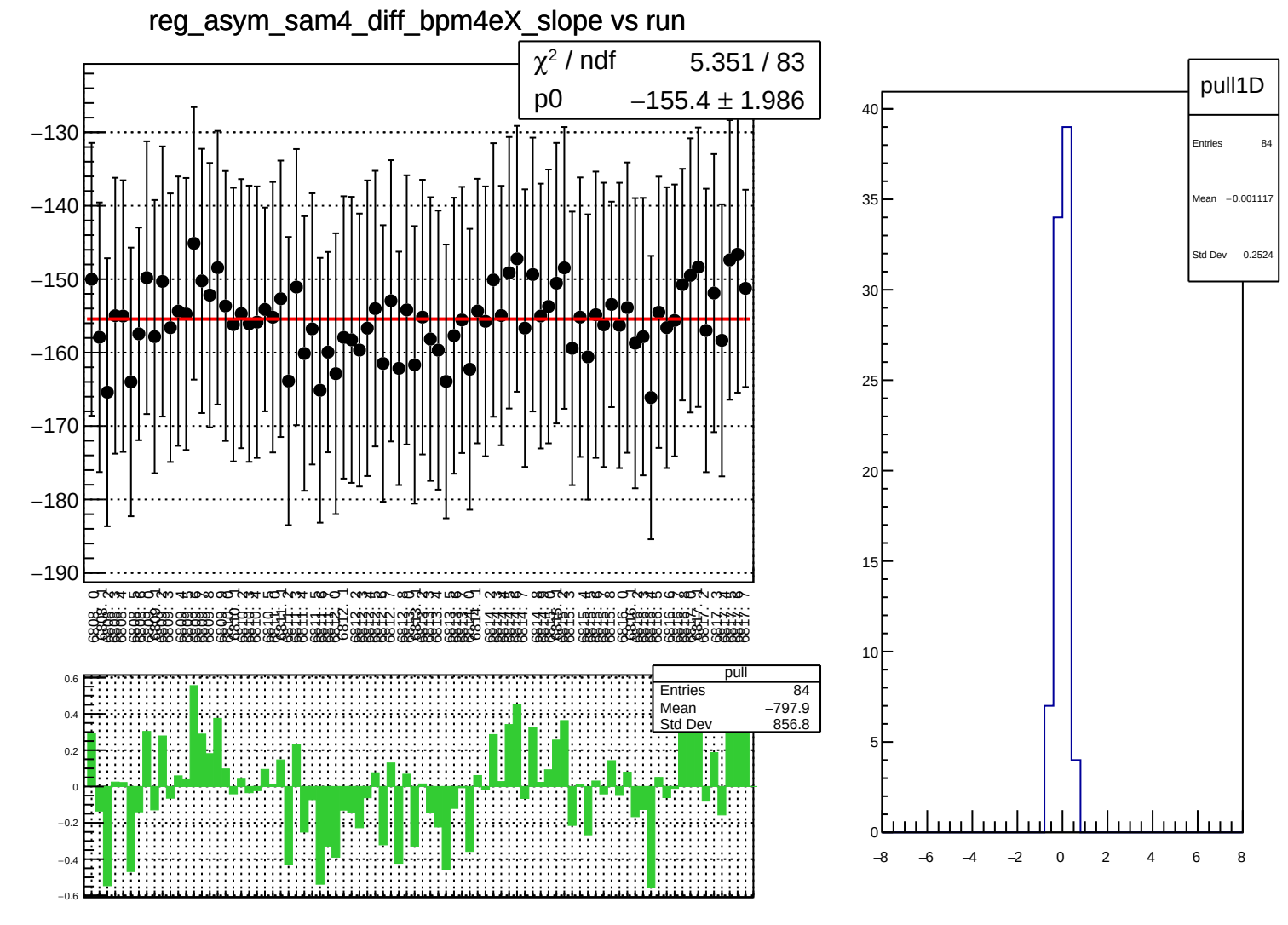

pull1D
Entries 84
Mean 0.006479
Std Dev 0.2114

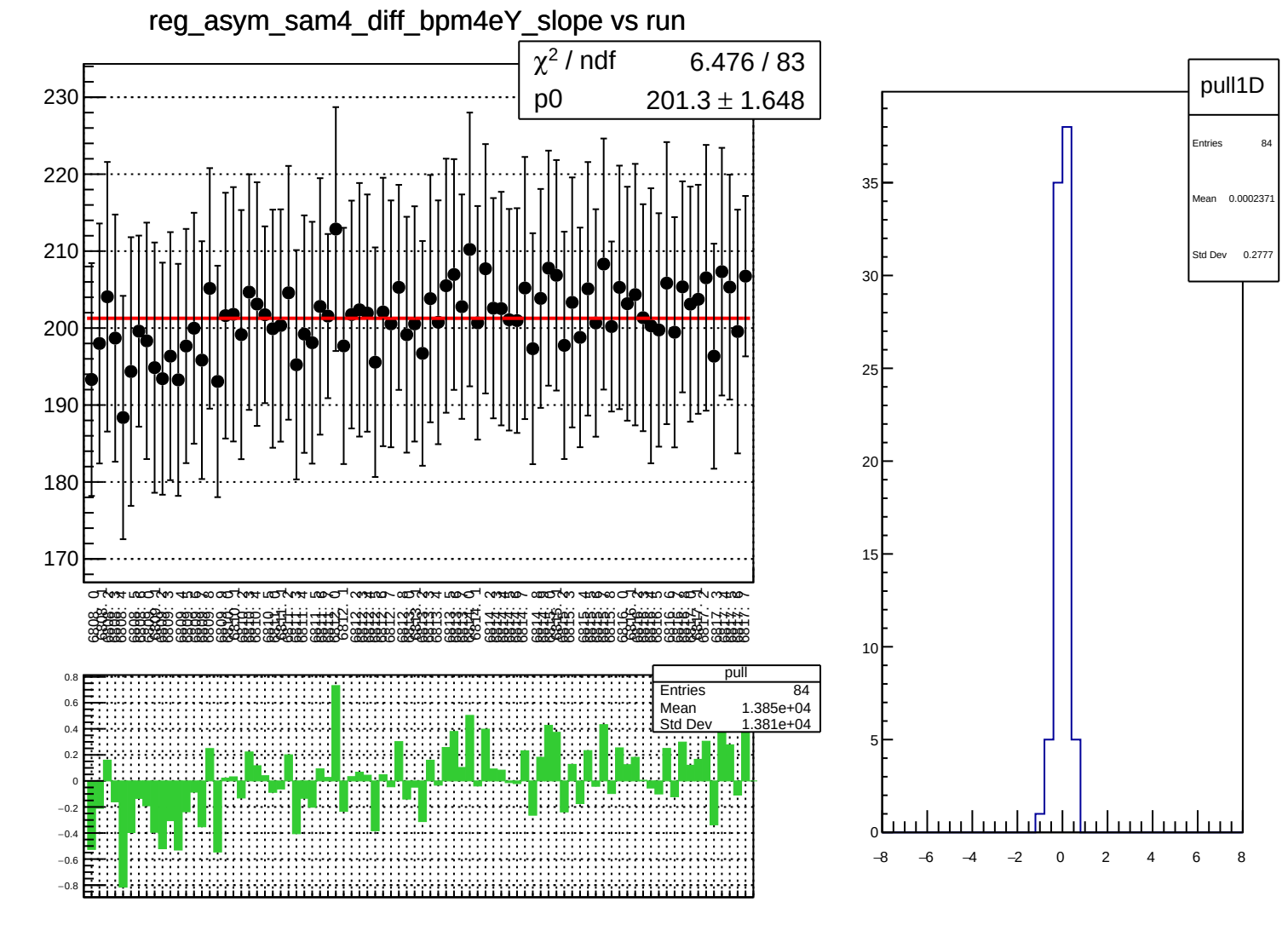

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.301 / 83
p0 0.283 ± 0.0459
pull
Entries 84
Mean 102
Std Dev 75.79
pull1D
Entries 84
Mean −0.002443
Std Dev 0.1244

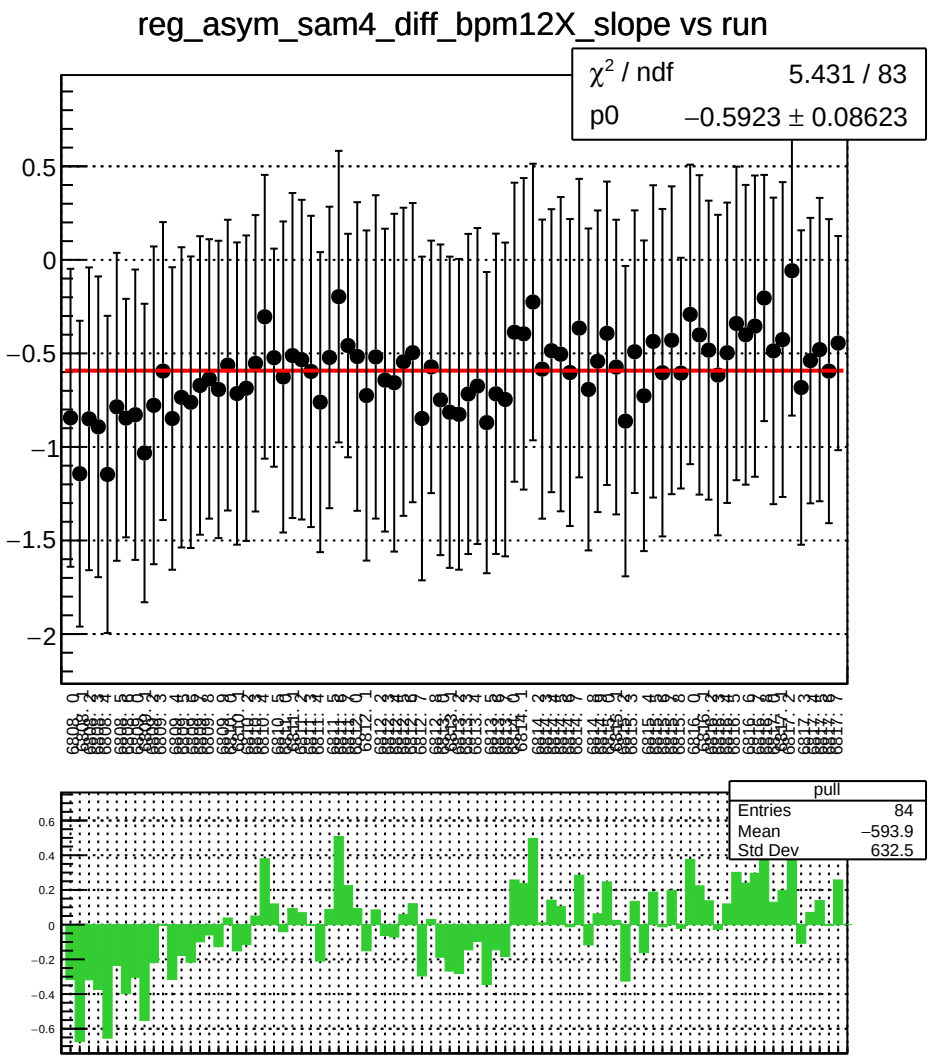

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 2.538 / 83
p0 −25.91 ± 2.124
pull
Entries 84
Mean 1530
Std Dev 1475

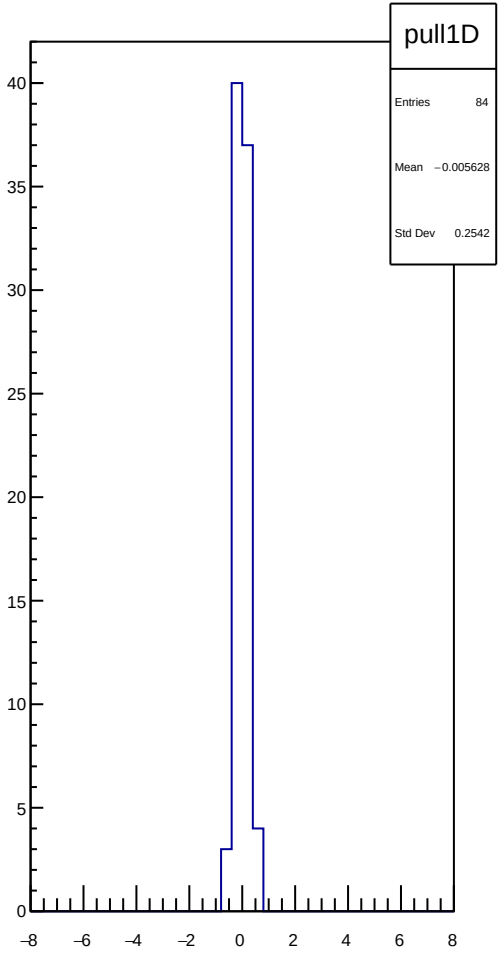

pull1D
Entries 84
Mean −0.0003659
Std Dev 0.1738

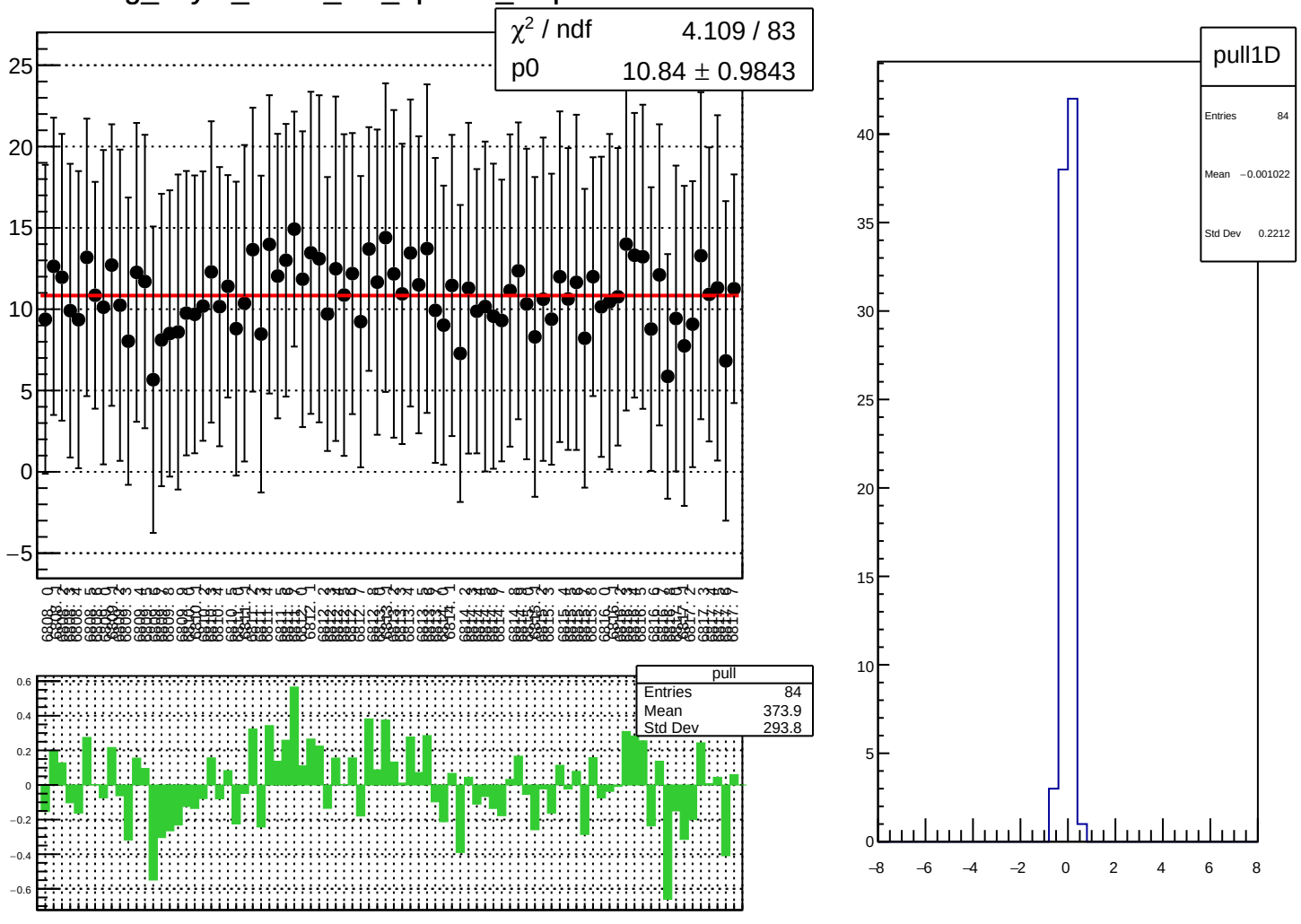

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 5.257 / 83
p0 19.24 ± 1.365
pull
Entries 84
Mean −345.6
Std Dev 384.7
pull1D
Entries 84
Mean 0.007665
Std Dev 0.2501

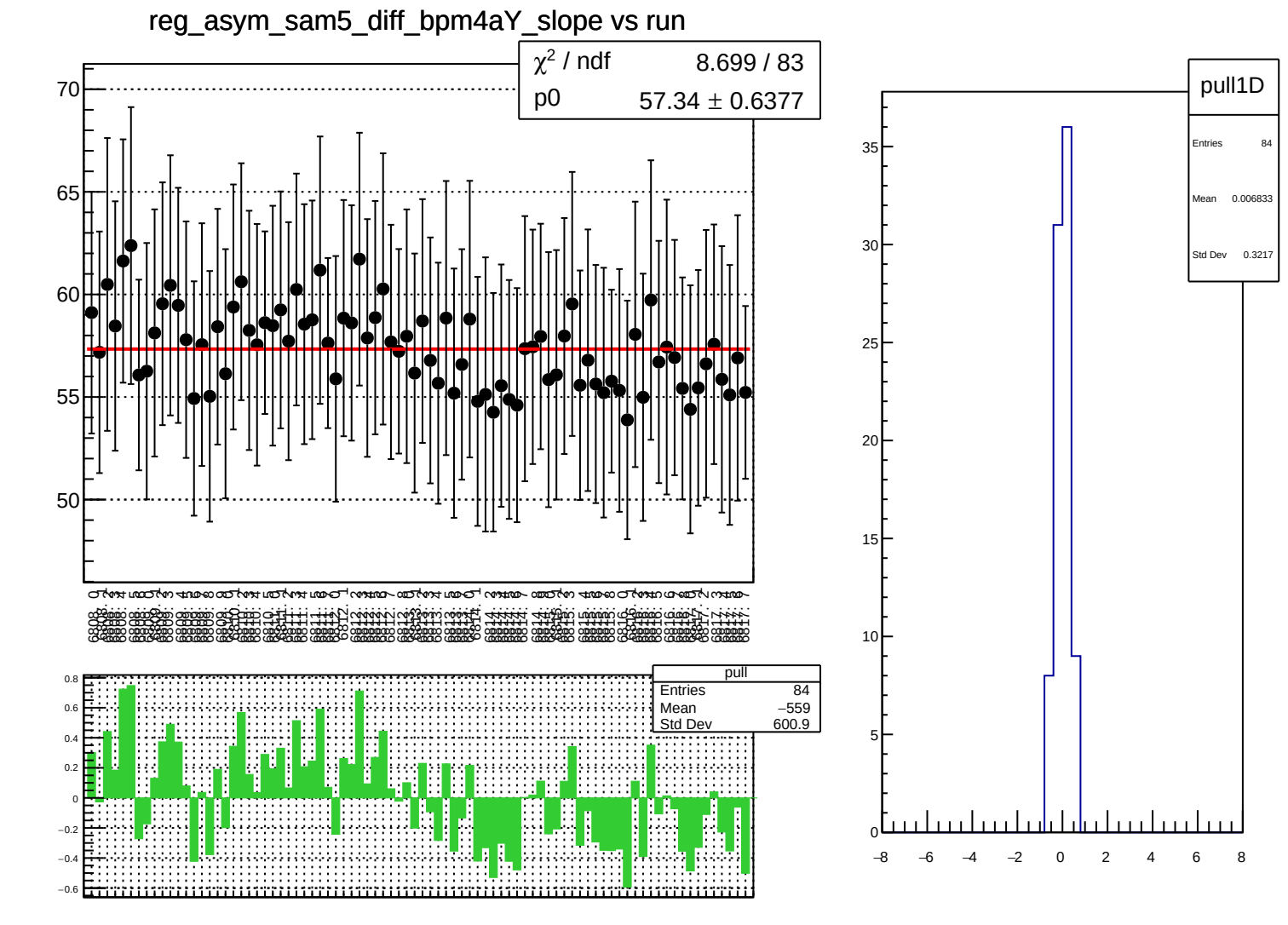

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 5.351 / 83
p0 −155.4 ± 1.986
−130
−140
−150
−160
−170
−180
−190
pull
Entries 84
Mean −797.9
Std Dev 856.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 84
Mean −0.001117
Std Dev 0.2524
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

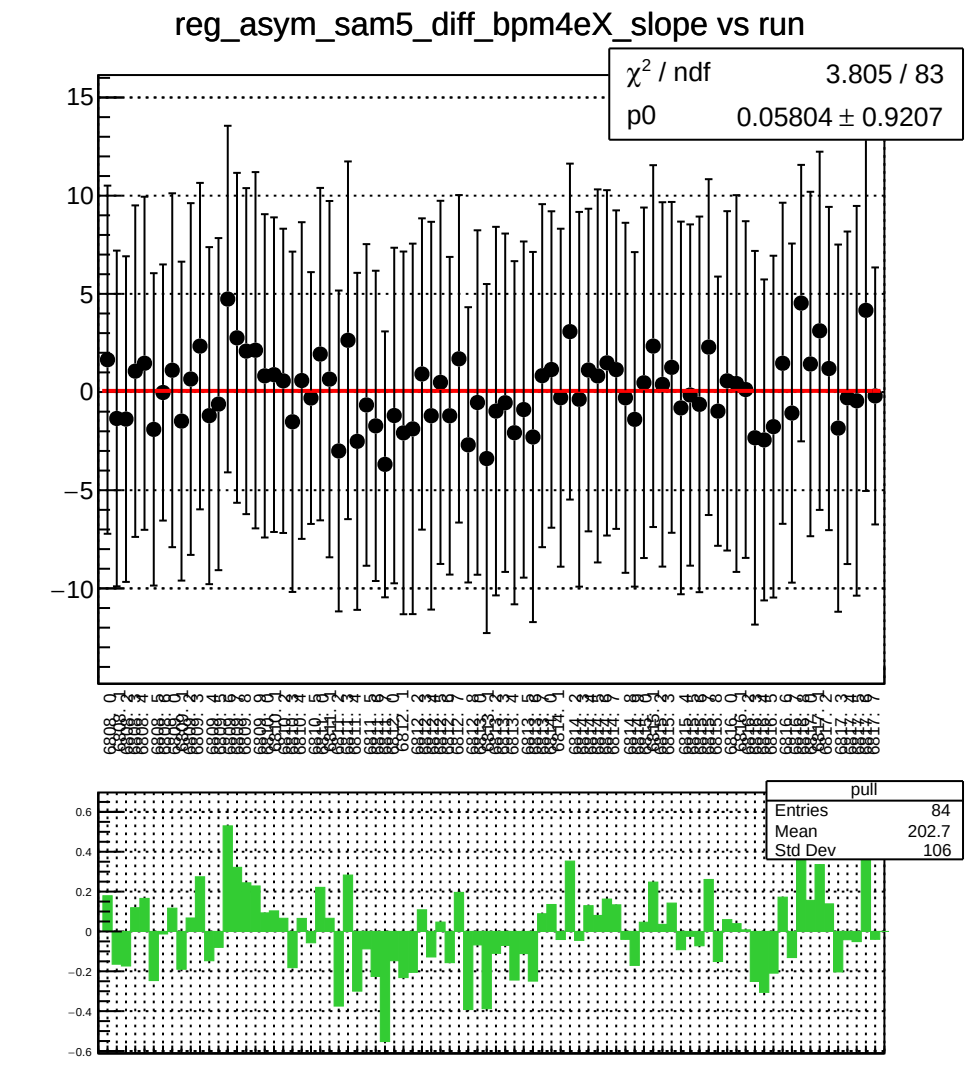

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 6.476 / 83
p0 201.3 ± 1.648
230
220
210
200
190
180
170
pull
Entries 84
Mean 1.385e+04
Std Dev 1.381e+04
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 84
Mean 0.0002371
Std Dev 0.2777
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

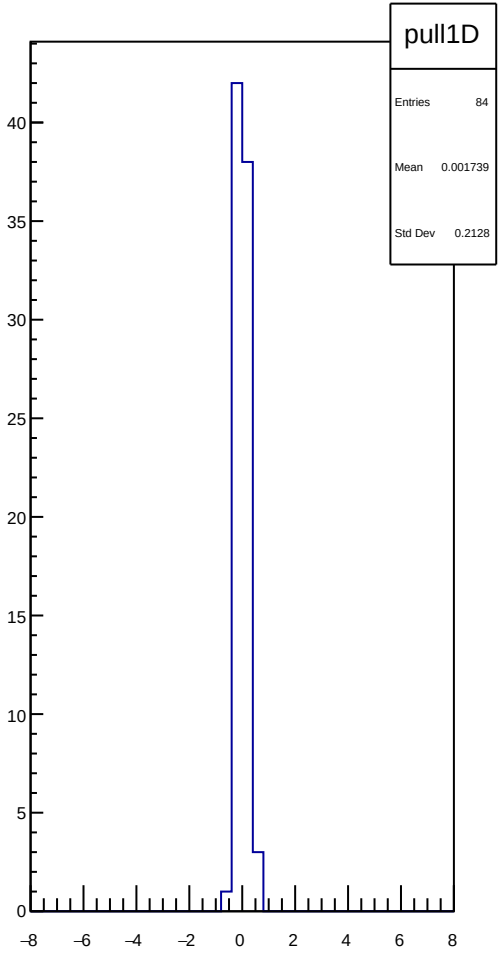

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 5.431 / 83
p0 −0.5923 ± 0.08623
pull
Entries 84
Mean −593.9
Std Dev 632.5

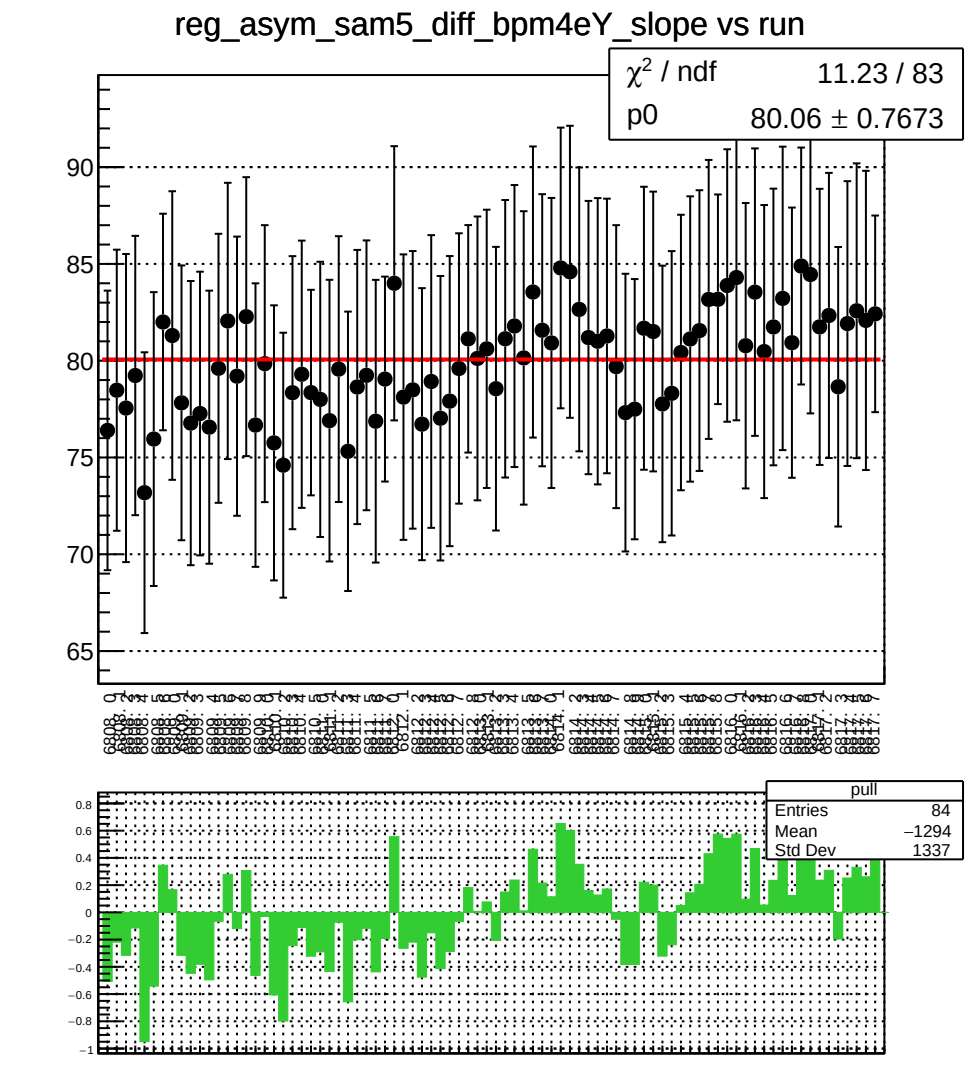

pull1D
Entries 84
Mean −0.005628
Std Dev 0.2542

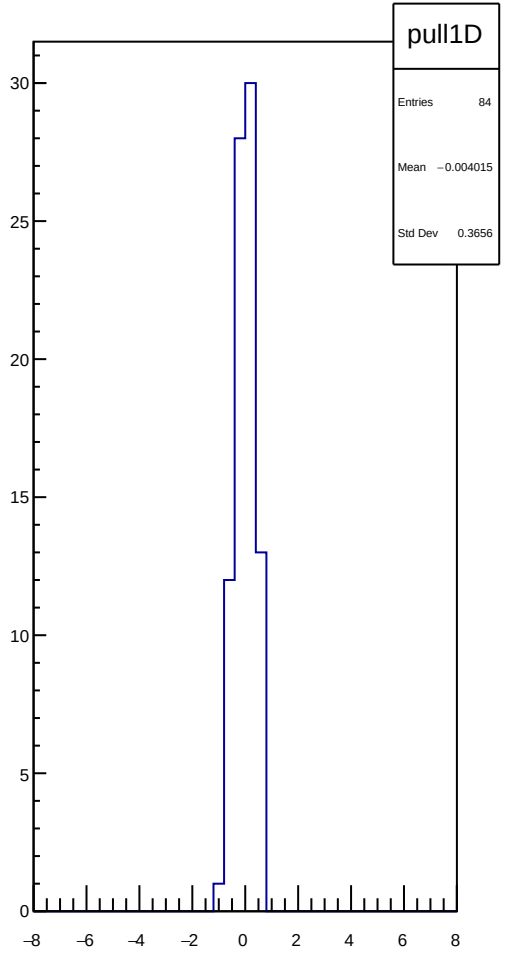

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 4.109 / 83
p0 10.84 ± 0.9843
pull
Entries 84
Mean 373.9
Std Dev 293.8
pull1D
Entries 84
Mean −0.001022
Std Dev 0.2212

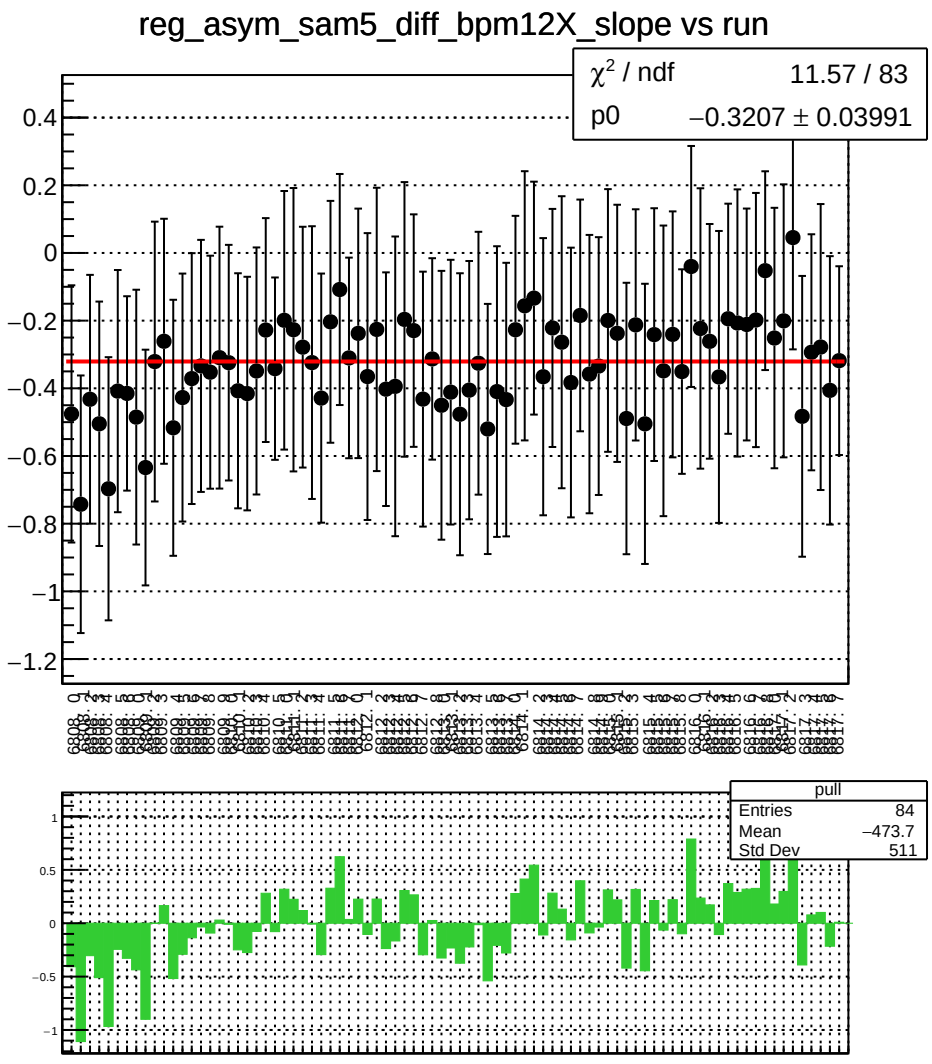

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 8.699 / 83
p0 57.34 ± 0.6377
pull
Entries 84
Mean −559
Std Dev 600.9
pull1D
Entries 84
Mean 0.006833
Std Dev 0.3217

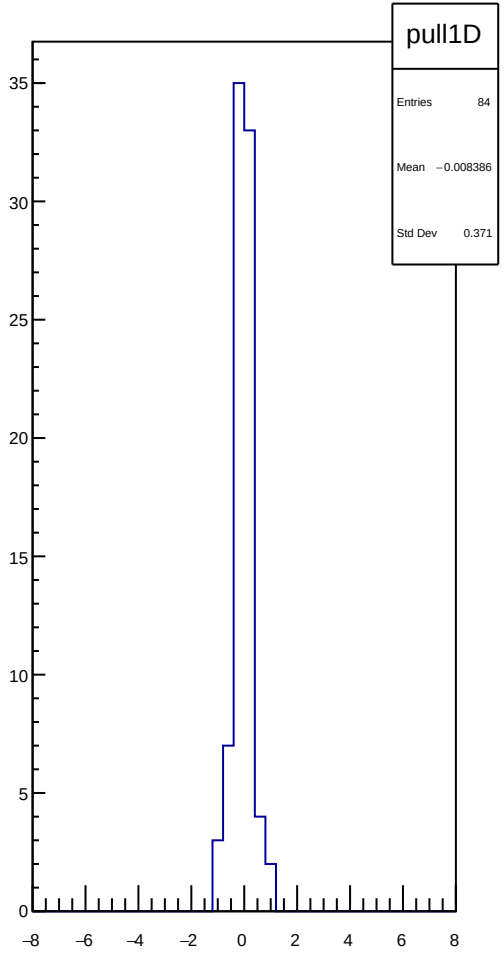

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 3.805 / 83
p0 0.05804 ± 0.9207
pull
Entries 84
Mean 202.7
Std Dev 106

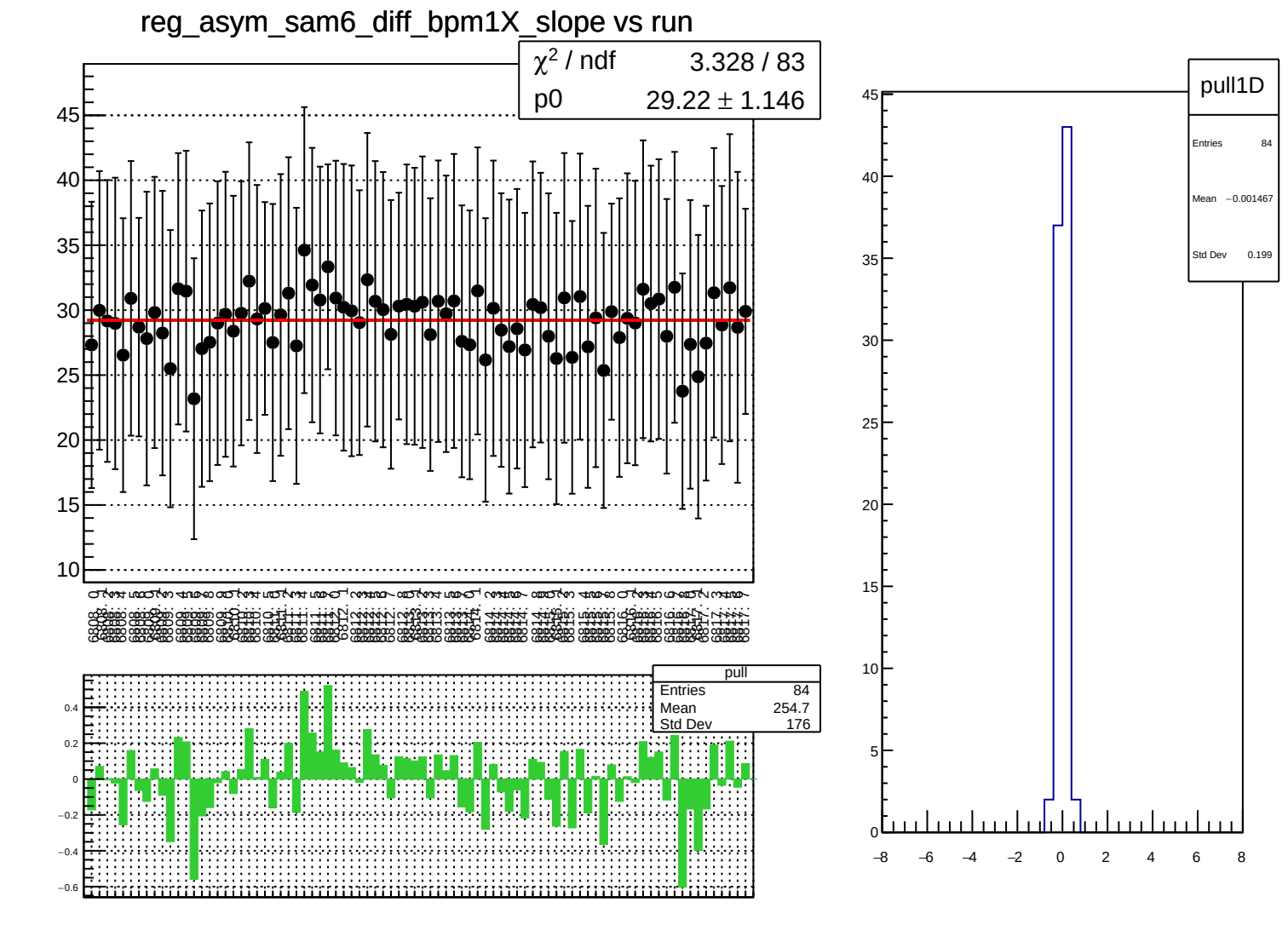

pull1D
Entries 84
Mean 0.001739
Std Dev 0.2128

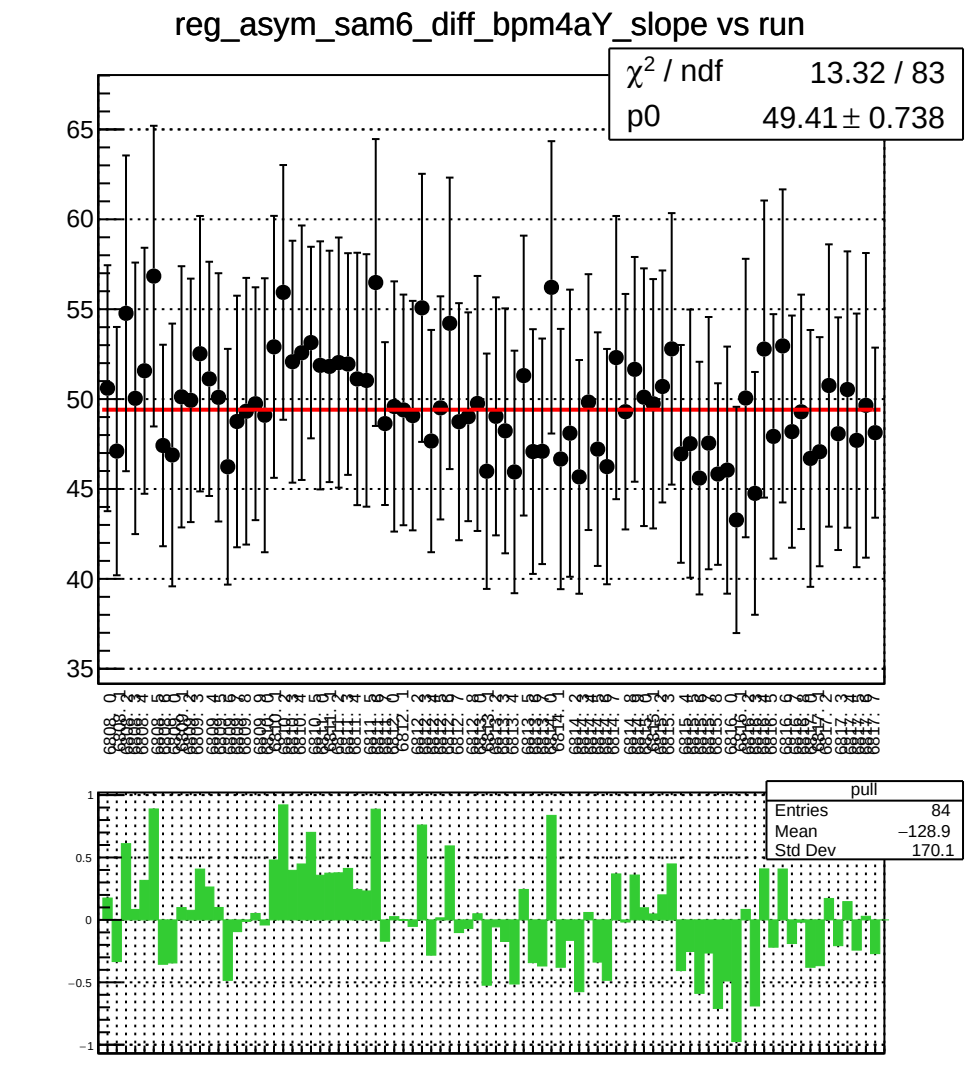

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 11.23 / 83
p0 80.06 ± 0.7673
90
85
80
75
70
65
pull
Entries 84
Mean −1294
Std Dev 1337
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

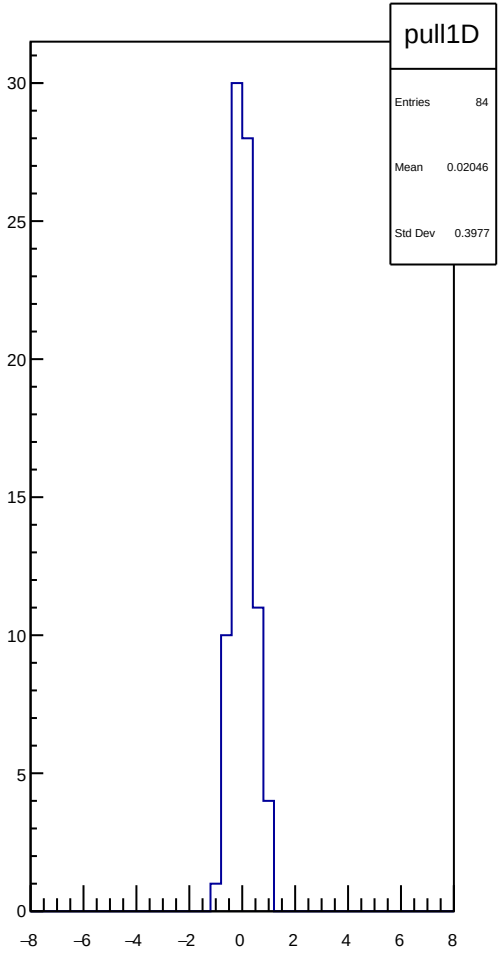

pull1D
Entries 84
Mean −0.004015
Std Dev 0.3656
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

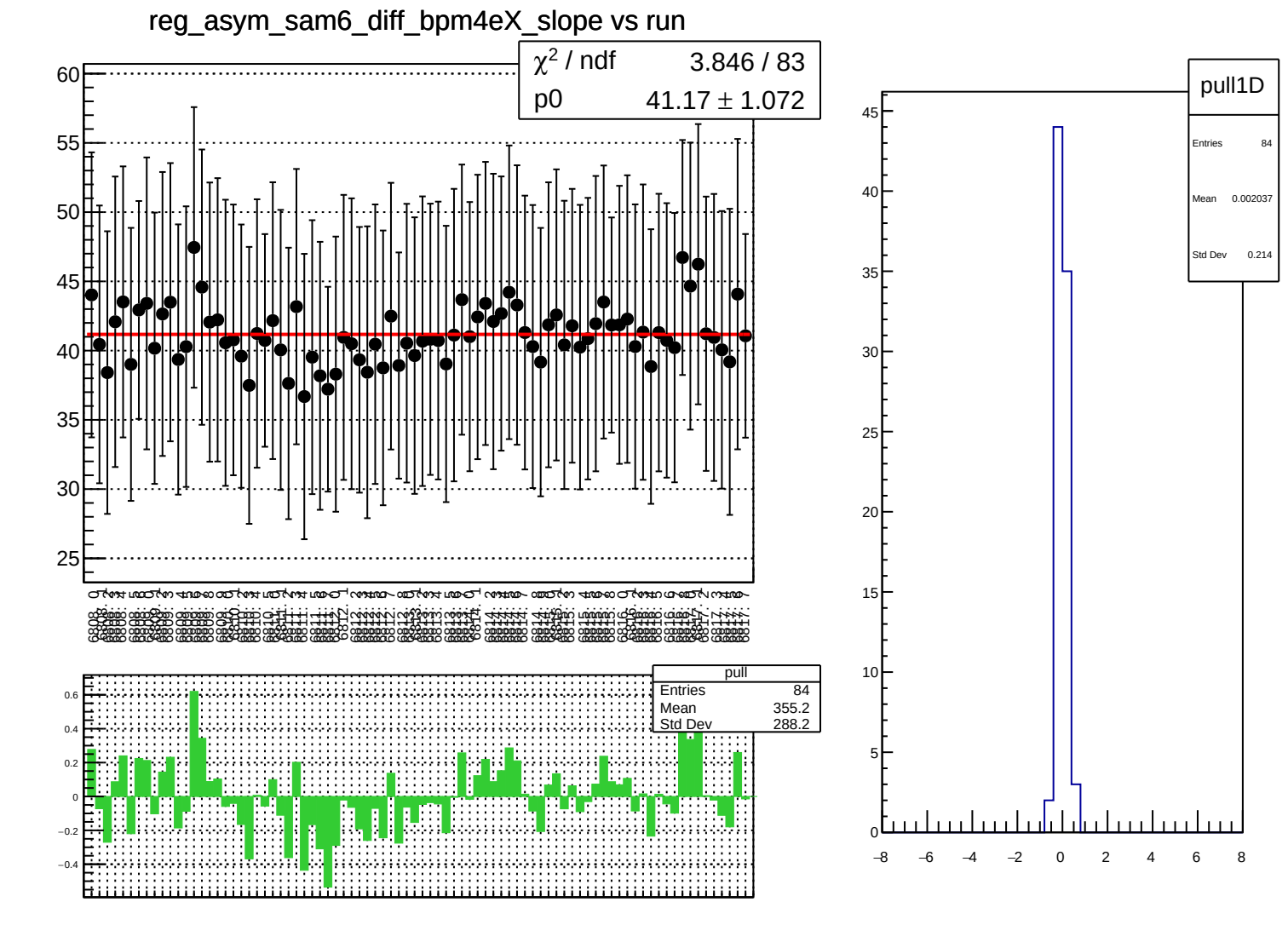

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 11.57 / 83
p0 −0.3207 ± 0.03991
pull
Entries 84
Mean −473.7
Std Dev 511

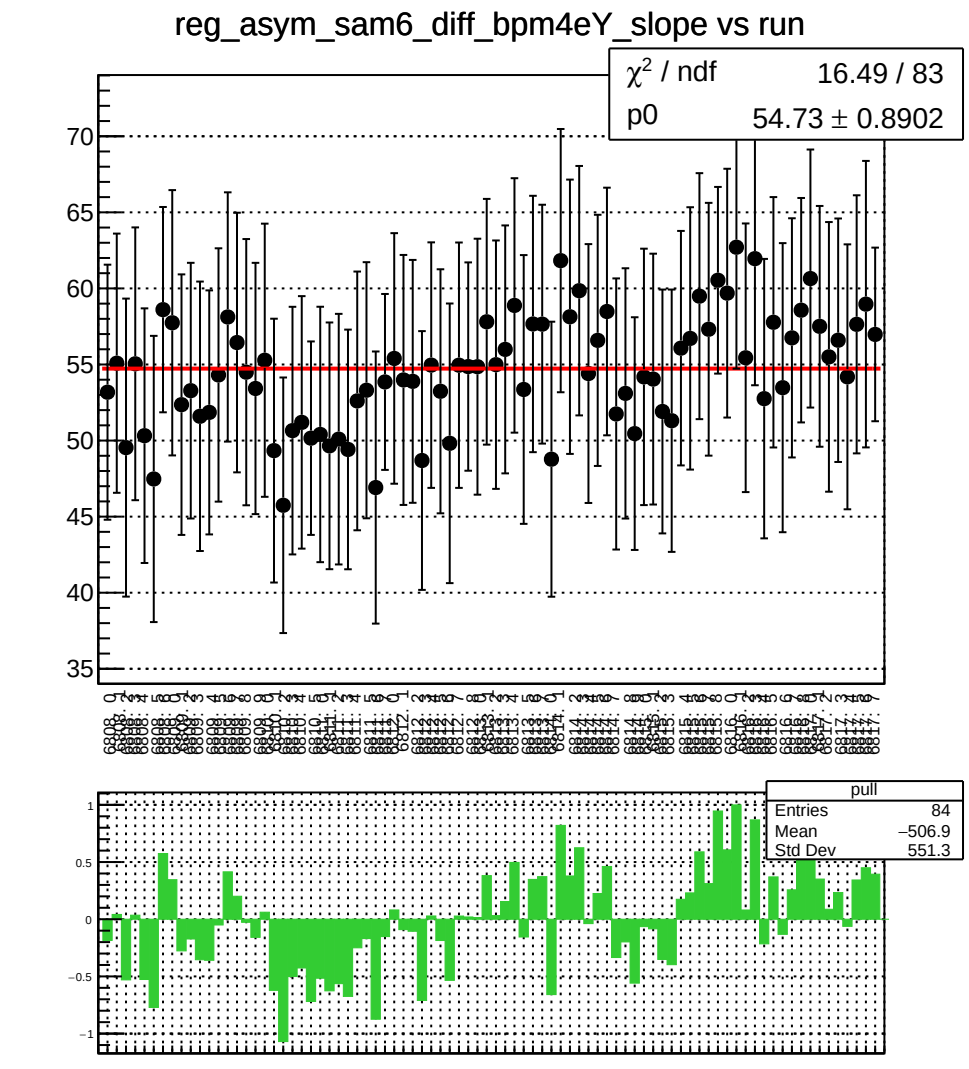

pull1D
Entries 84
Mean −0.008386
Std Dev 0.371

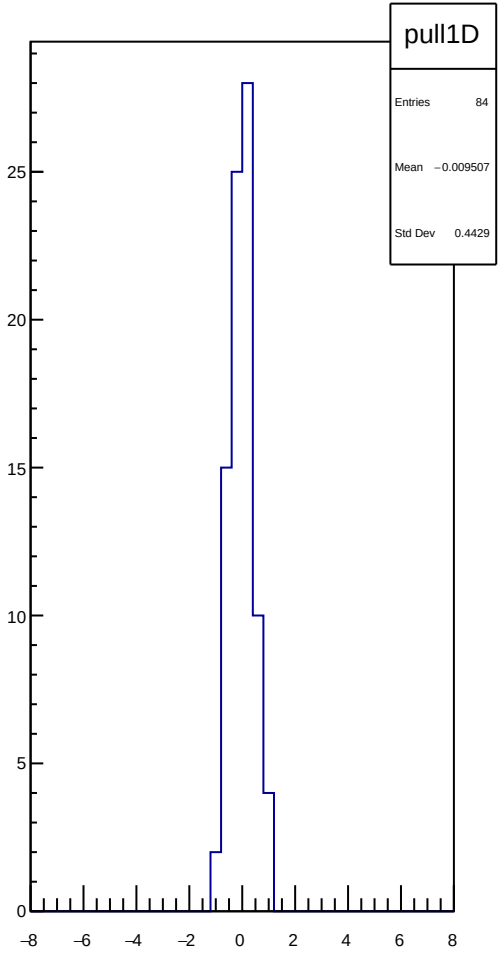

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 3.328 / 83
p0 29.22 ± 1.146
pull
Entries 84
Mean 254.7
Std Dev 176
pull1D
Entries 84
Mean −0.001467
Std Dev 0.199

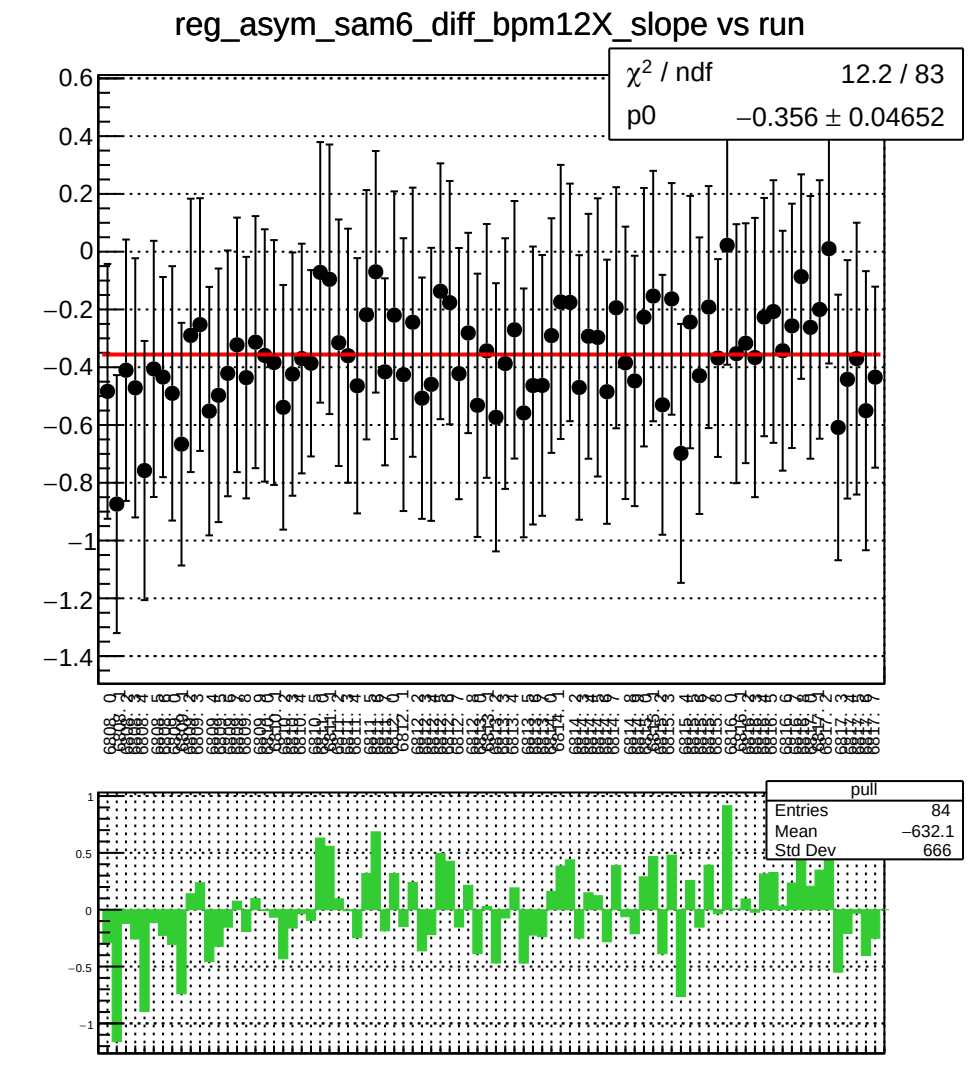

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 83
p0 49.41 ± 0.738
pull
Entries 84
Mean −128.9
Std Dev 170.1

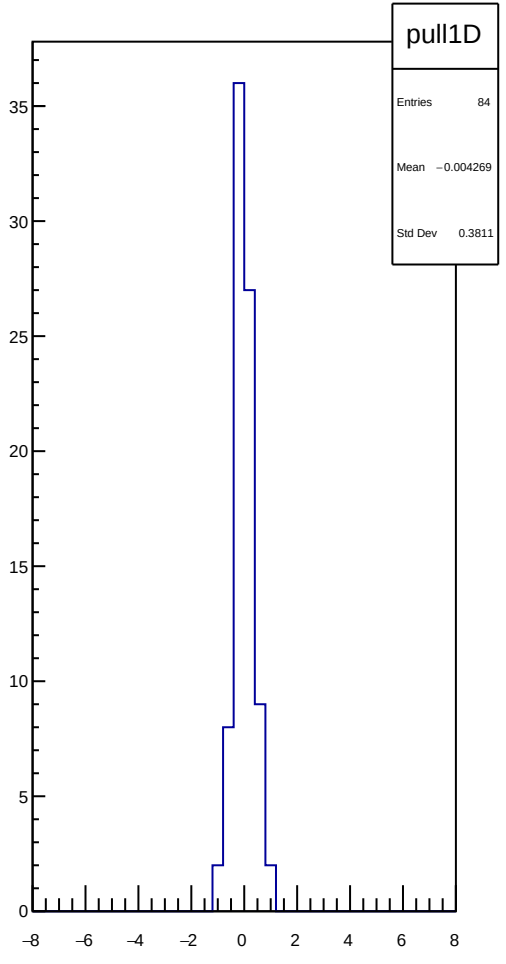

pull1D
Entries 84
Mean 0.02046
Std Dev 0.3977

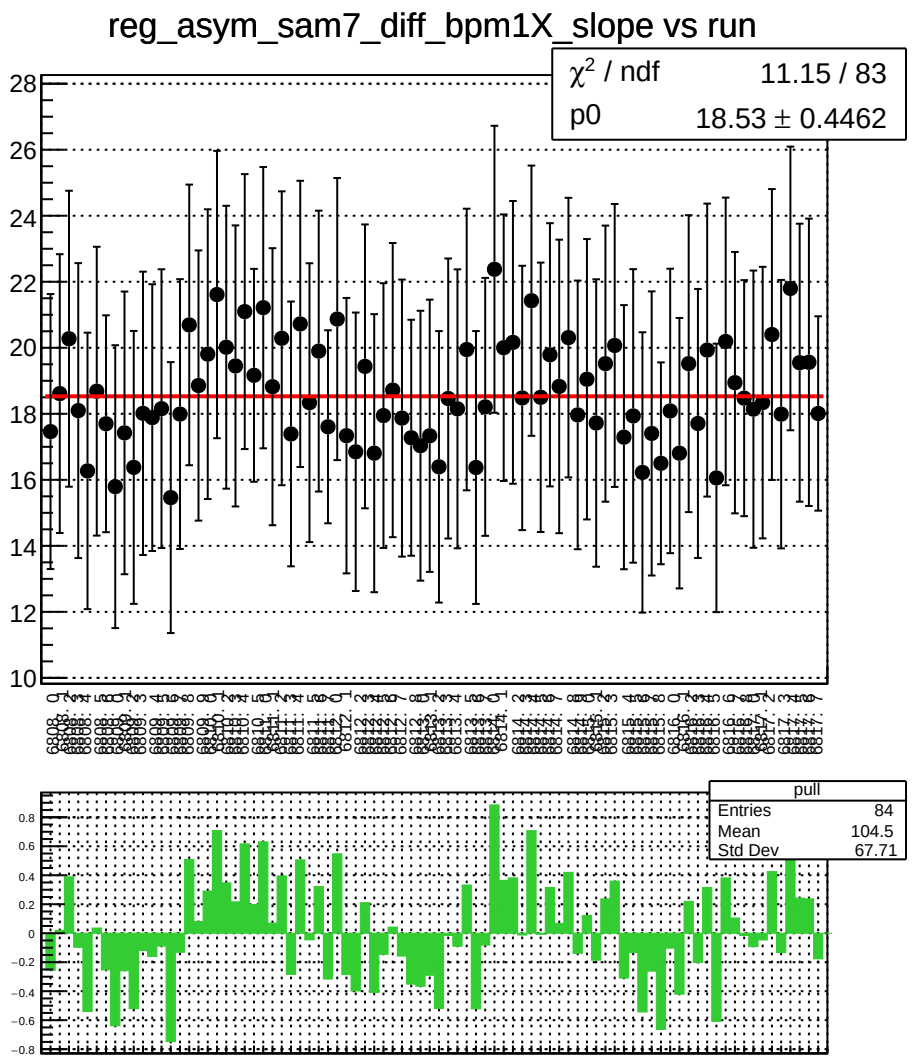

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.846 / 83
p0 41.17 ± 1.072
pull
Entries 84
Mean 355.2
Std Dev 288.2
pull1D
Entries 84
Mean 0.002037
Std Dev 0.214

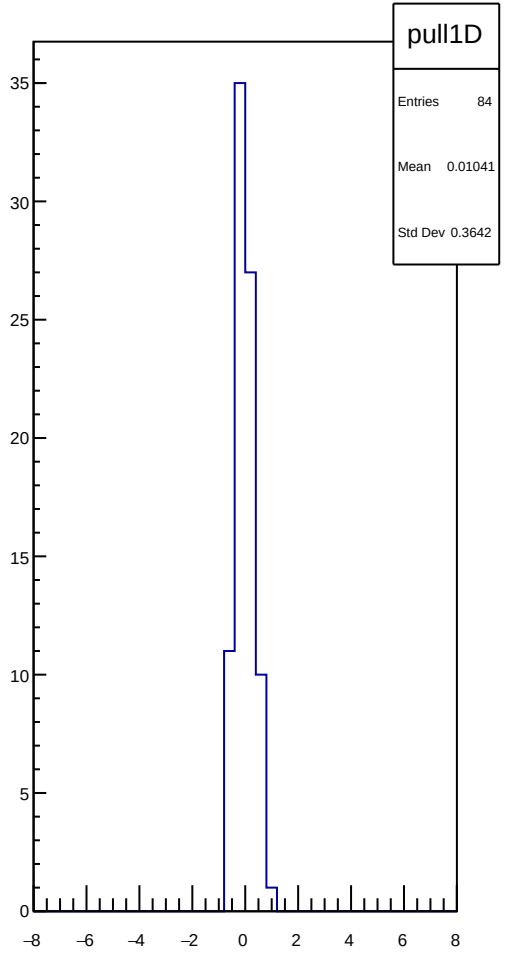

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 16.49 / 83
p0 54.73 ± 0.8902
pull
Entries 84
Mean −506.9
Std Dev 551.3

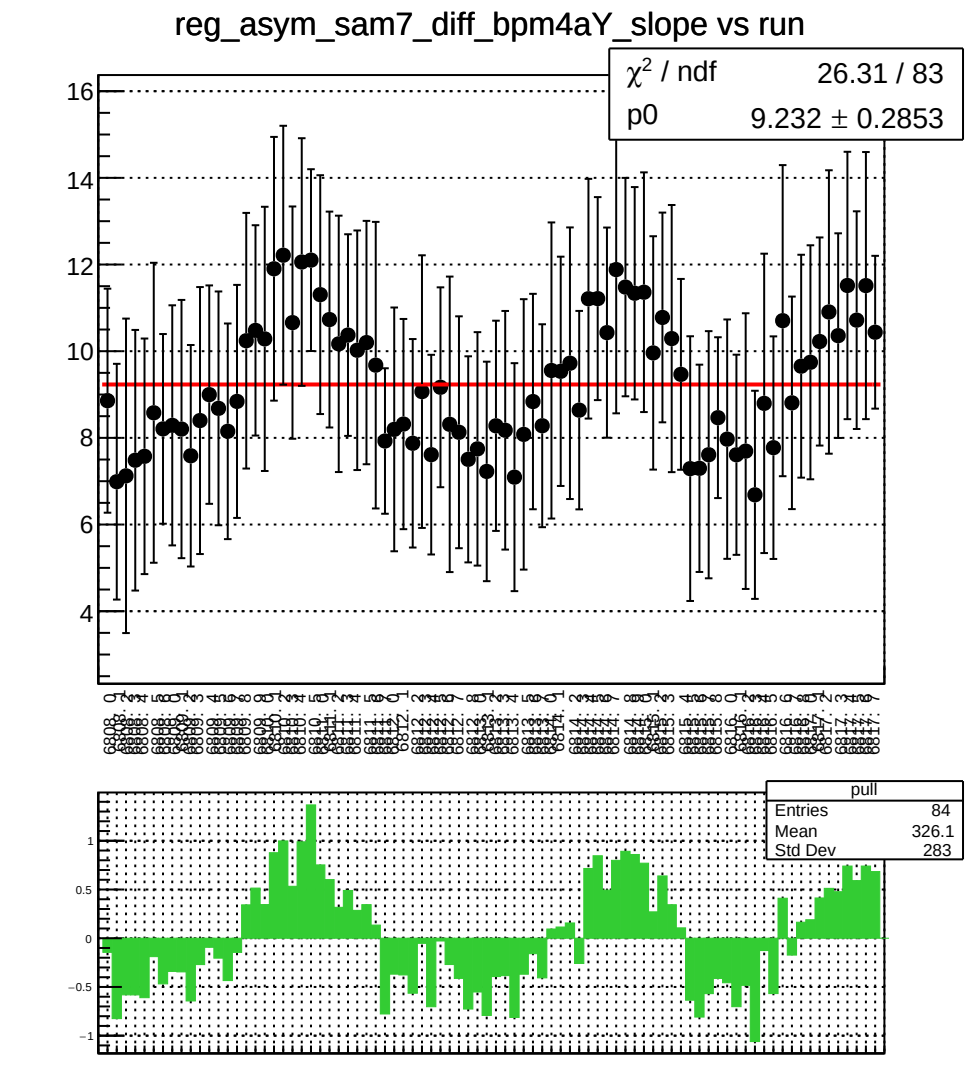

pull1D
Entries 84
Mean −0.009507
Std Dev 0.4429

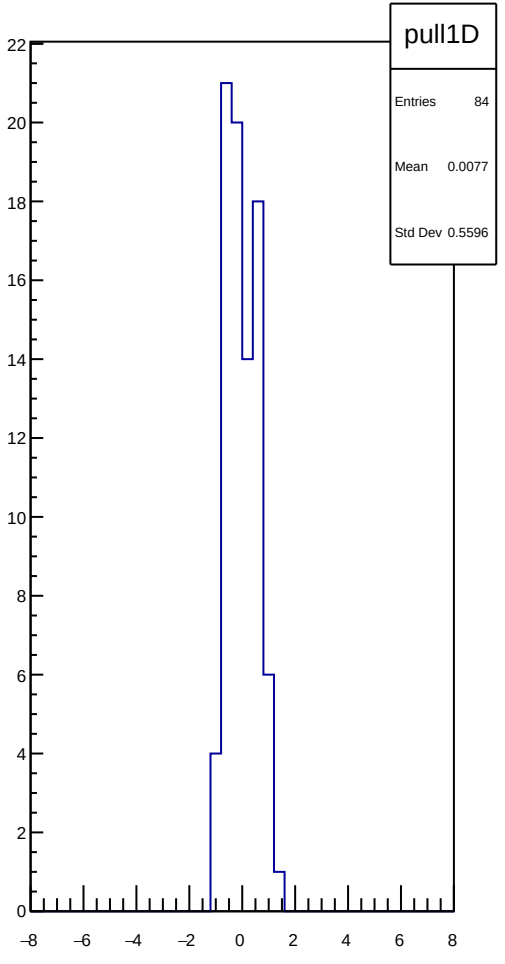

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 12.2 / 83
p0 −0.356 ± 0.04652
pull
Entries 84
Mean −632.1
Std Dev 666

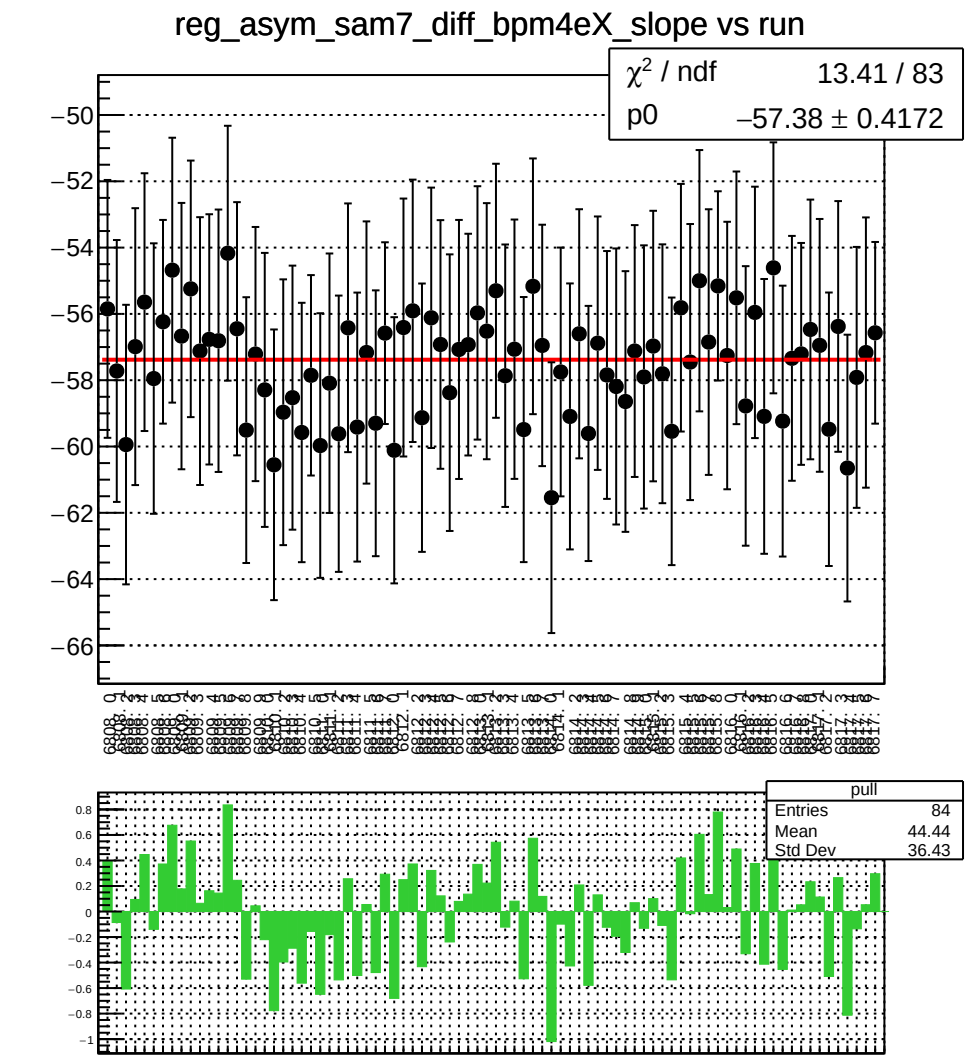

pull1D
Entries 84
Mean −0.004269
Std Dev 0.3811

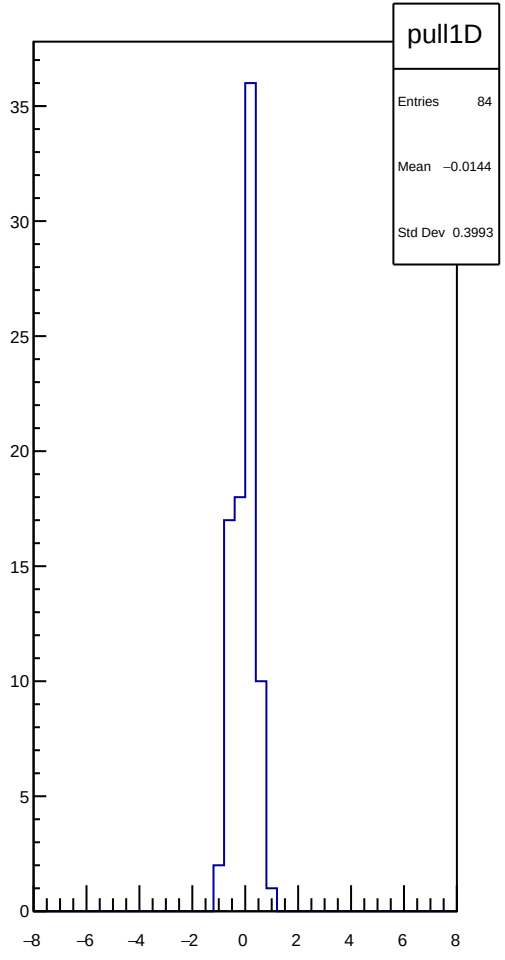

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 11.15 / 83
p0 18.53 ± 0.4462
pull
Entries 84
Mean 104.5
Std Dev 67.71

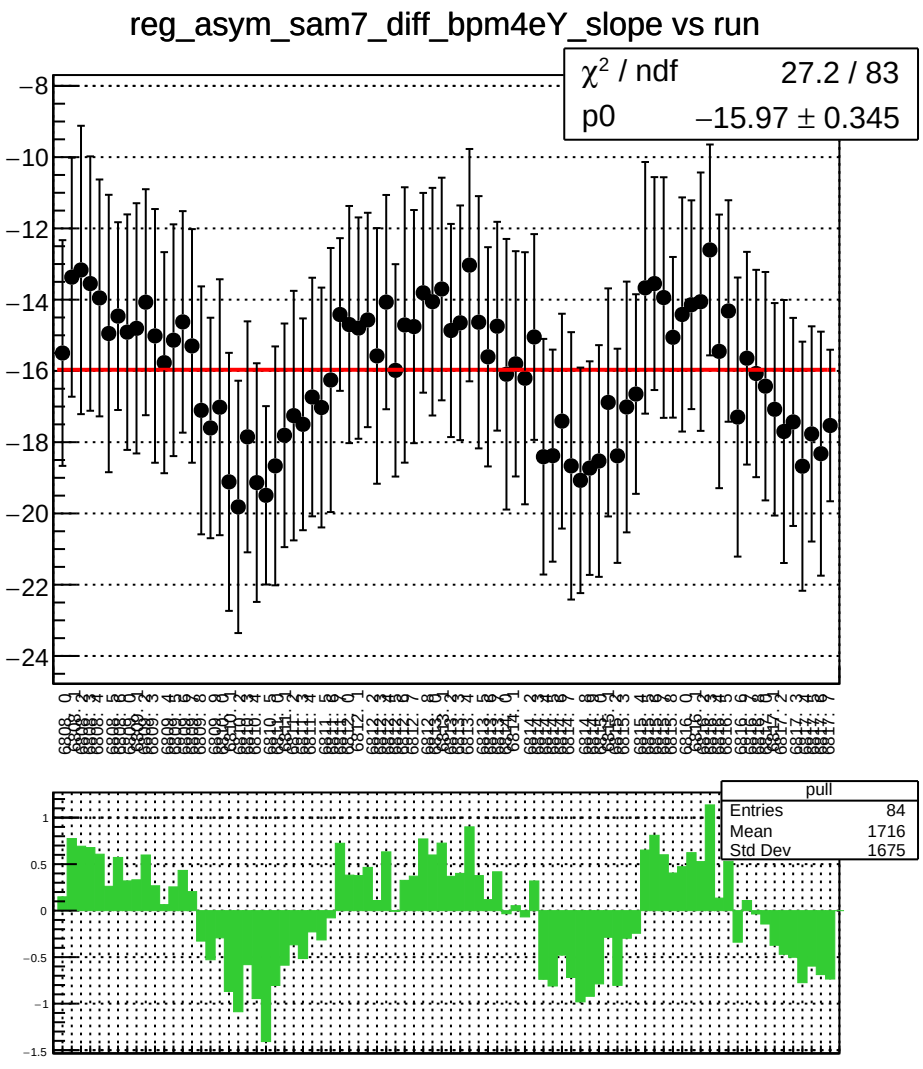

pull1D
Entries 84
Mean 0.01041
Std Dev 0.3642

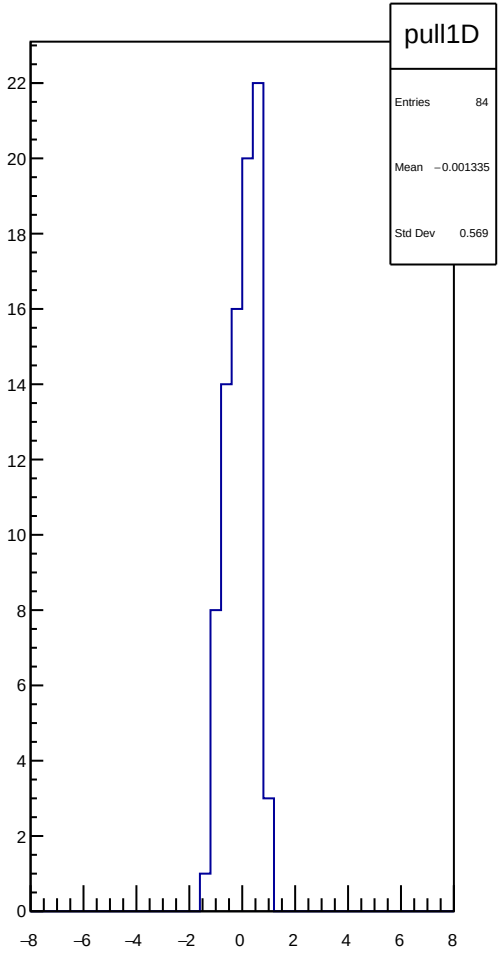

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 26.31 / 83
p0 9.232 ± 0.2853
pull
Entries 84
Mean 326.1
Std Dev 283

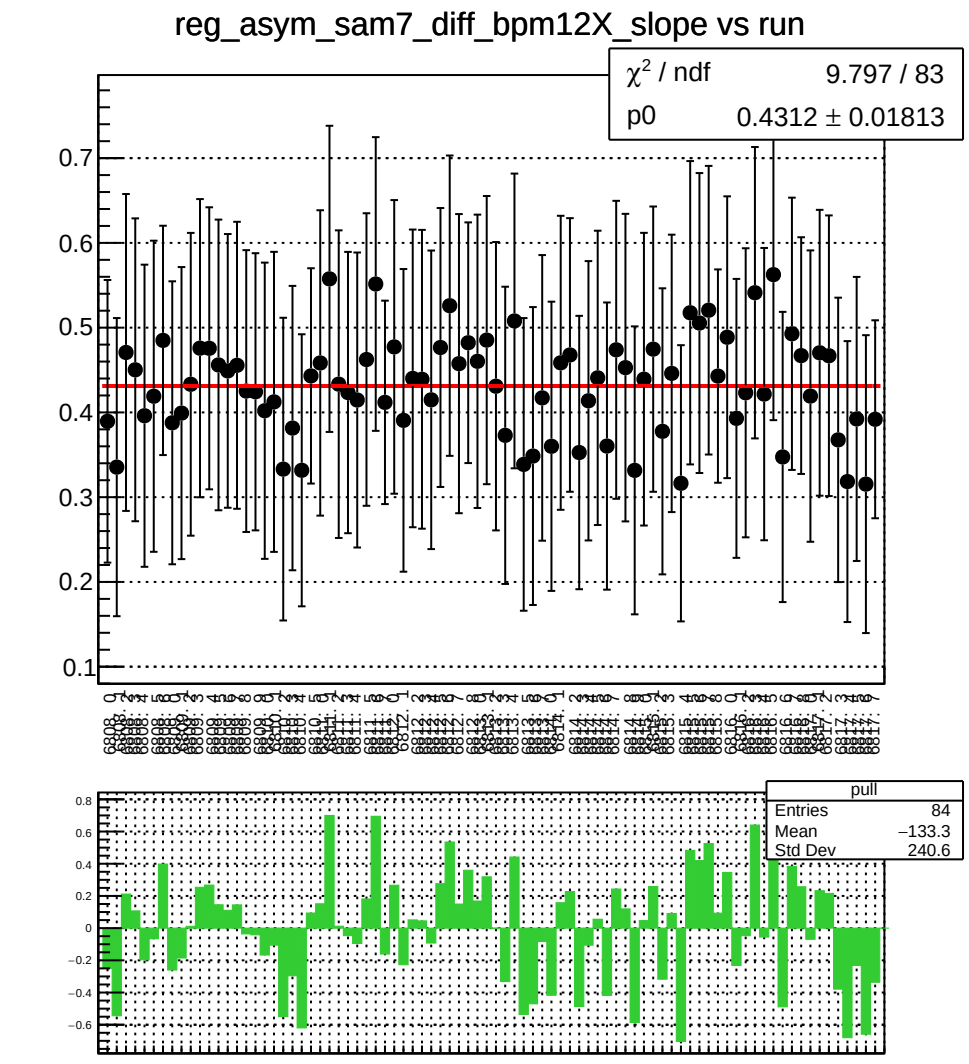

pull1D
Entries 84
Mean 0.0077
Std Dev 0.5596

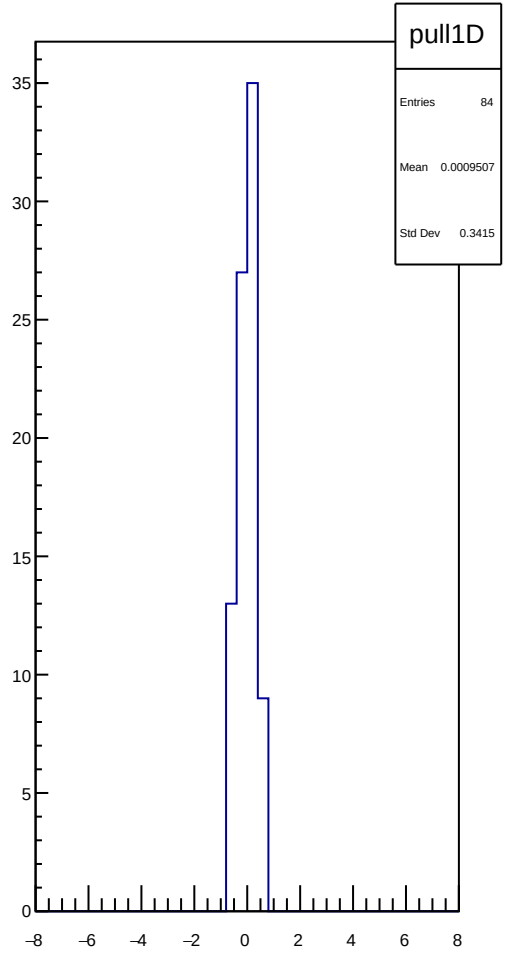

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 13.41 / 83
p0 −57.38 ± 0.4172
pull
Entries 84
Mean 44.44
Std Dev 36.43

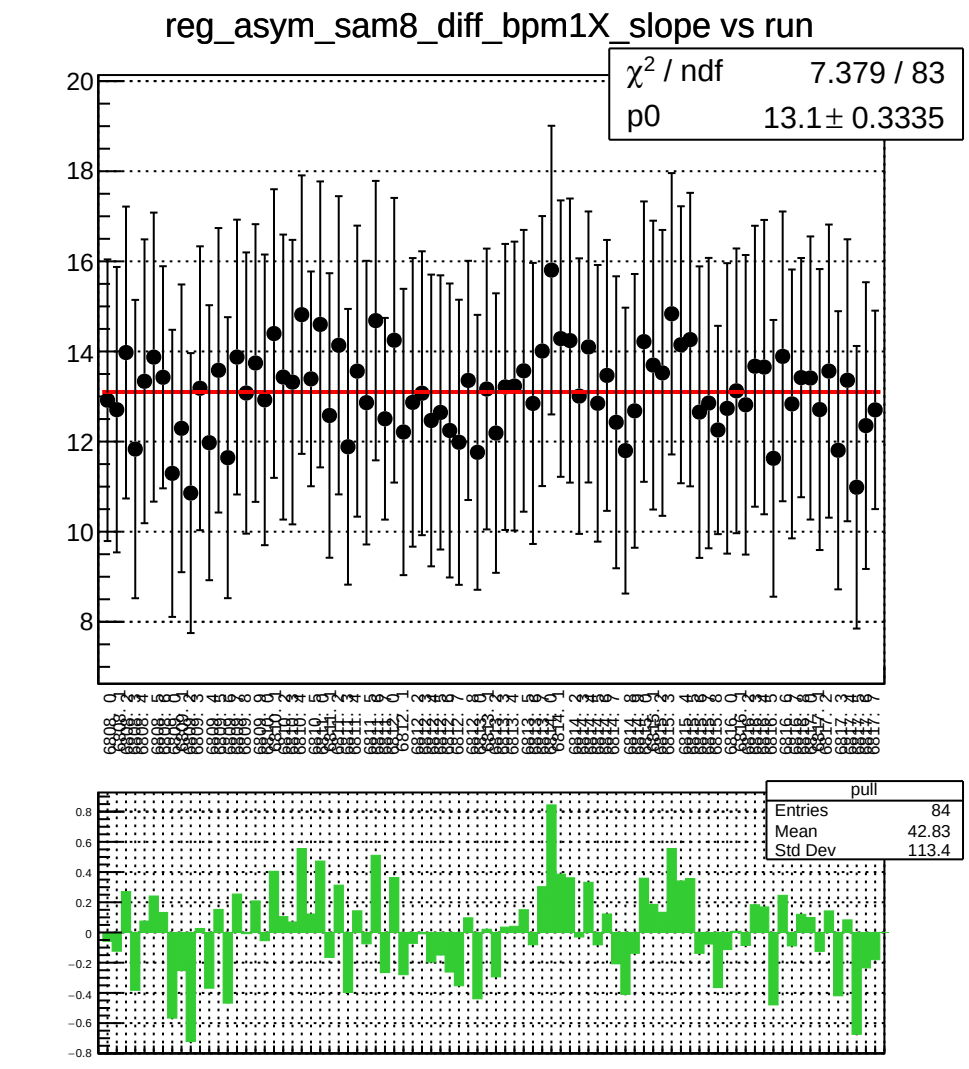

pull1D
Entries 84
Mean −0.0144
Std Dev 0.3993

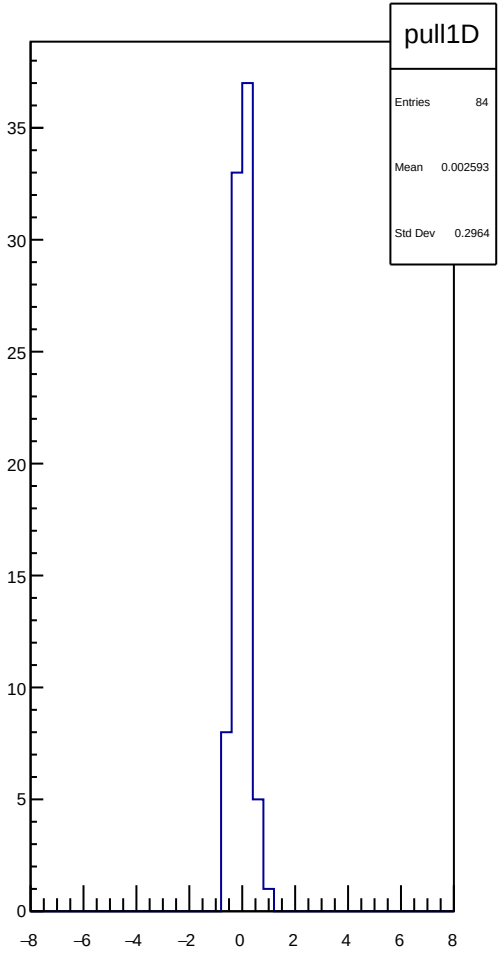

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 27.2 / 83
p0 −15.97 ± 0.345
pull
Entries 84
Mean 1716
Std Dev 1675

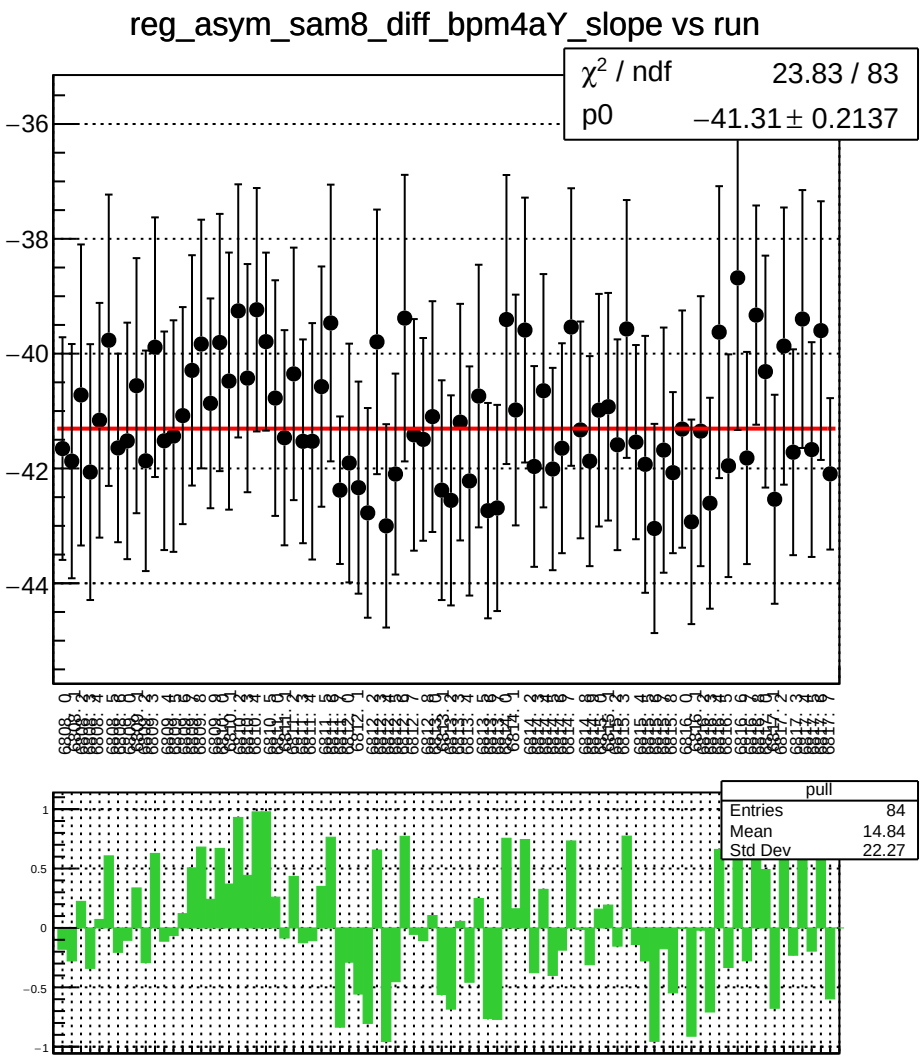

pull1D
Entries 84
Mean −0.001335
Std Dev 0.569

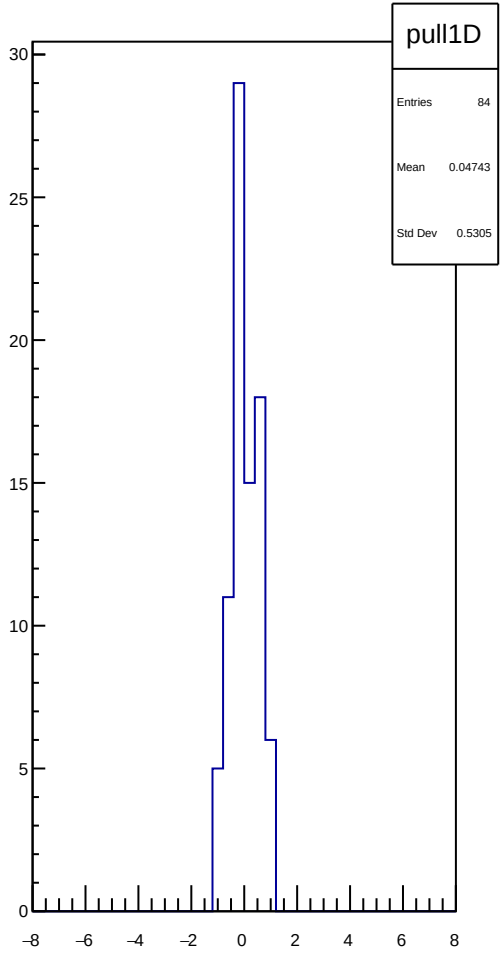

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 9.797 / 83
p0 0.4312 ± 0.01813
pull
Entries 84
Mean −133.3
Std Dev 240.6

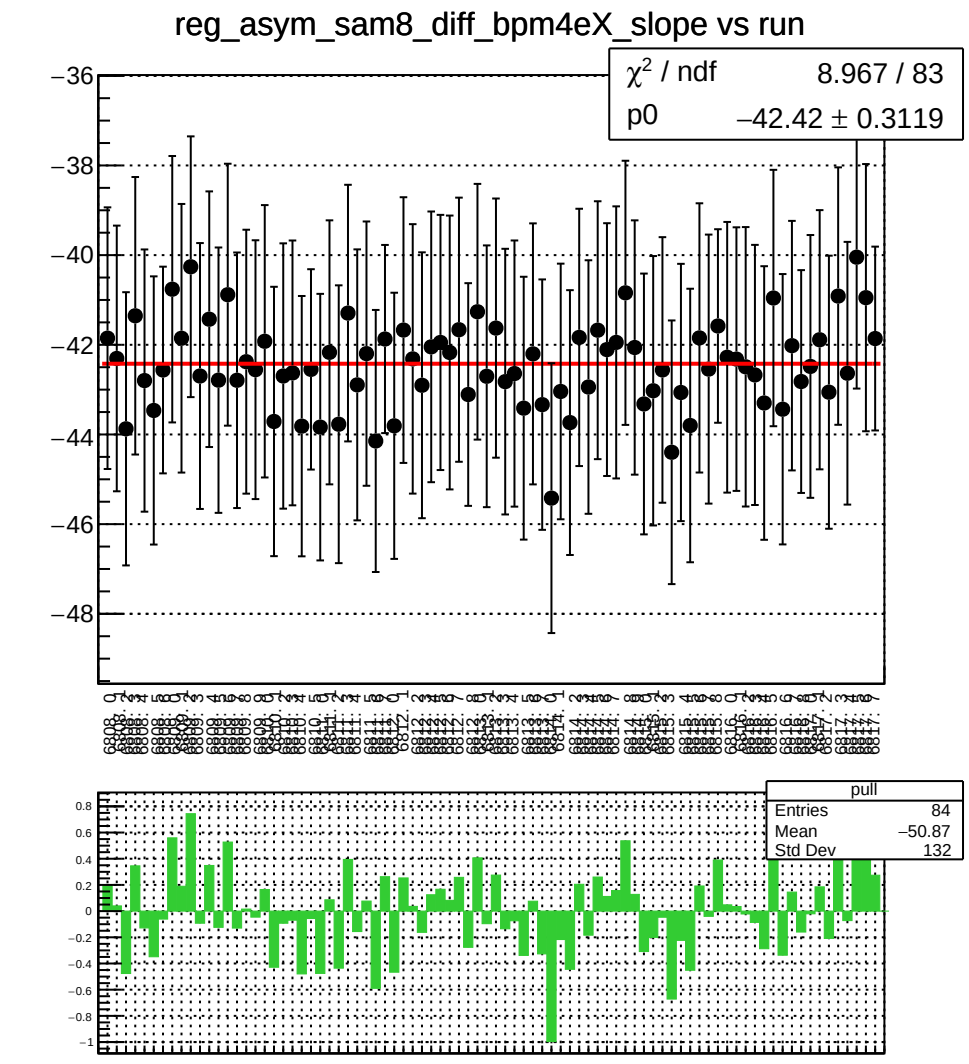

pull1D
Entries 84
Mean 0.0009507
Std Dev 0.3415

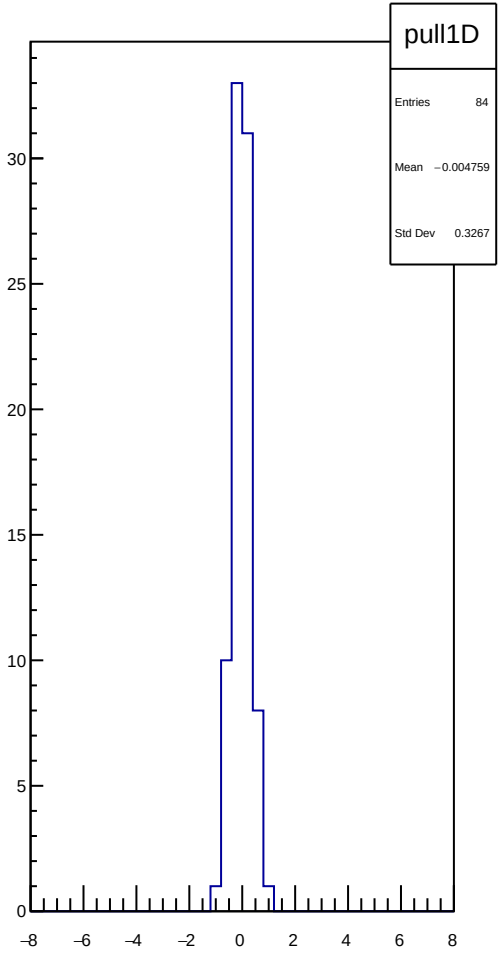

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 7.379 / 83
p0 13.1 ± 0.3335
pull
Entries 84
Mean 42.83
Std Dev 113.4

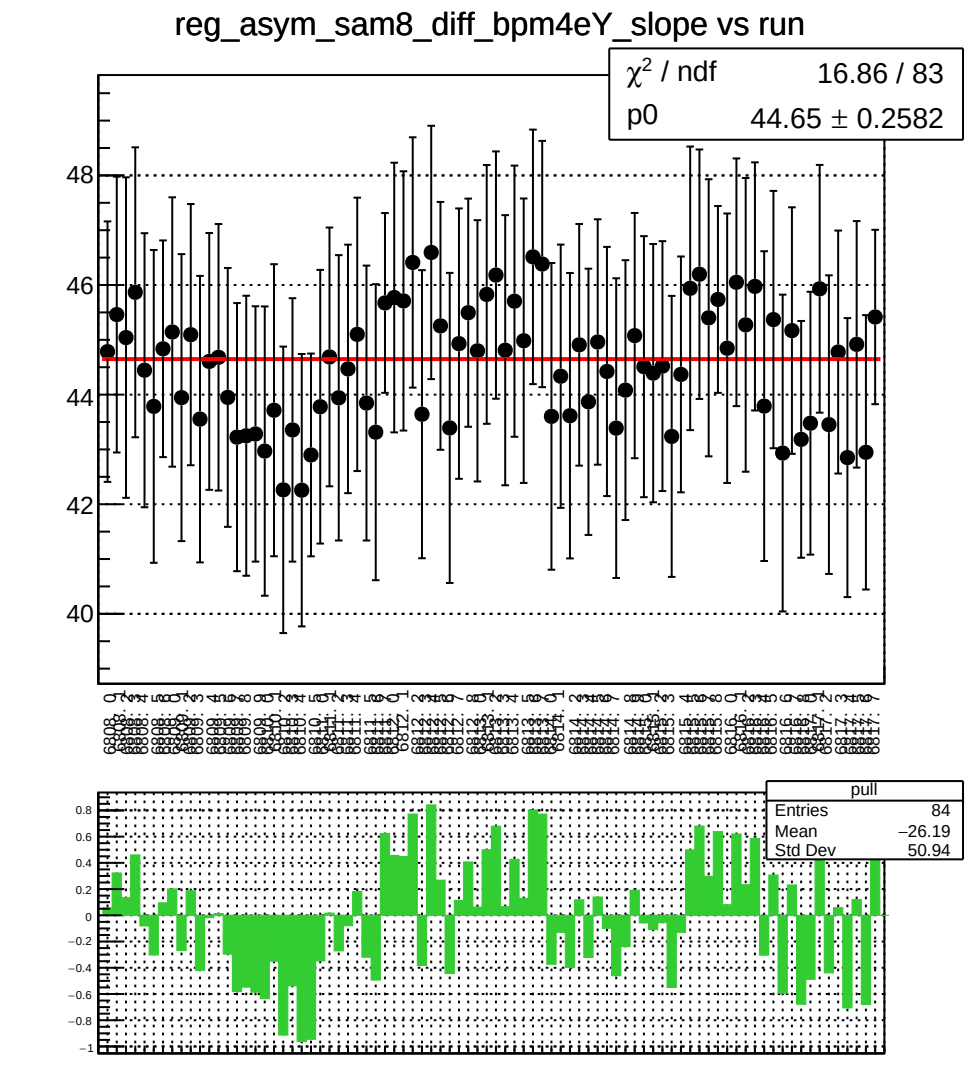

pull1D
Entries 84
Mean 0.002593
Std Dev 0.2964

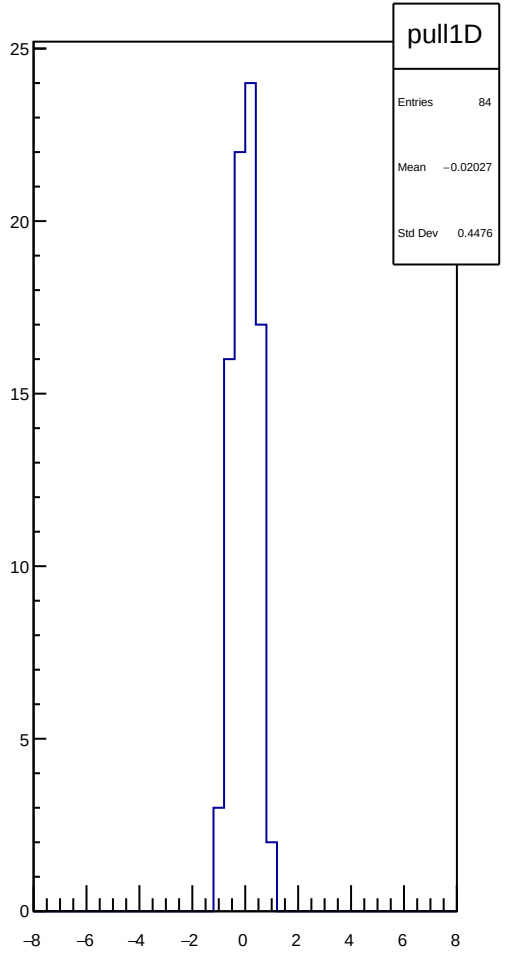

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 23.83 / 83
p0 −41.31 ± 0.2137
−36
−38
−40
−42
−44
pull
Entries 84
Mean 14.84
Std Dev 22.27
1
0.5
0
−0.5
−1

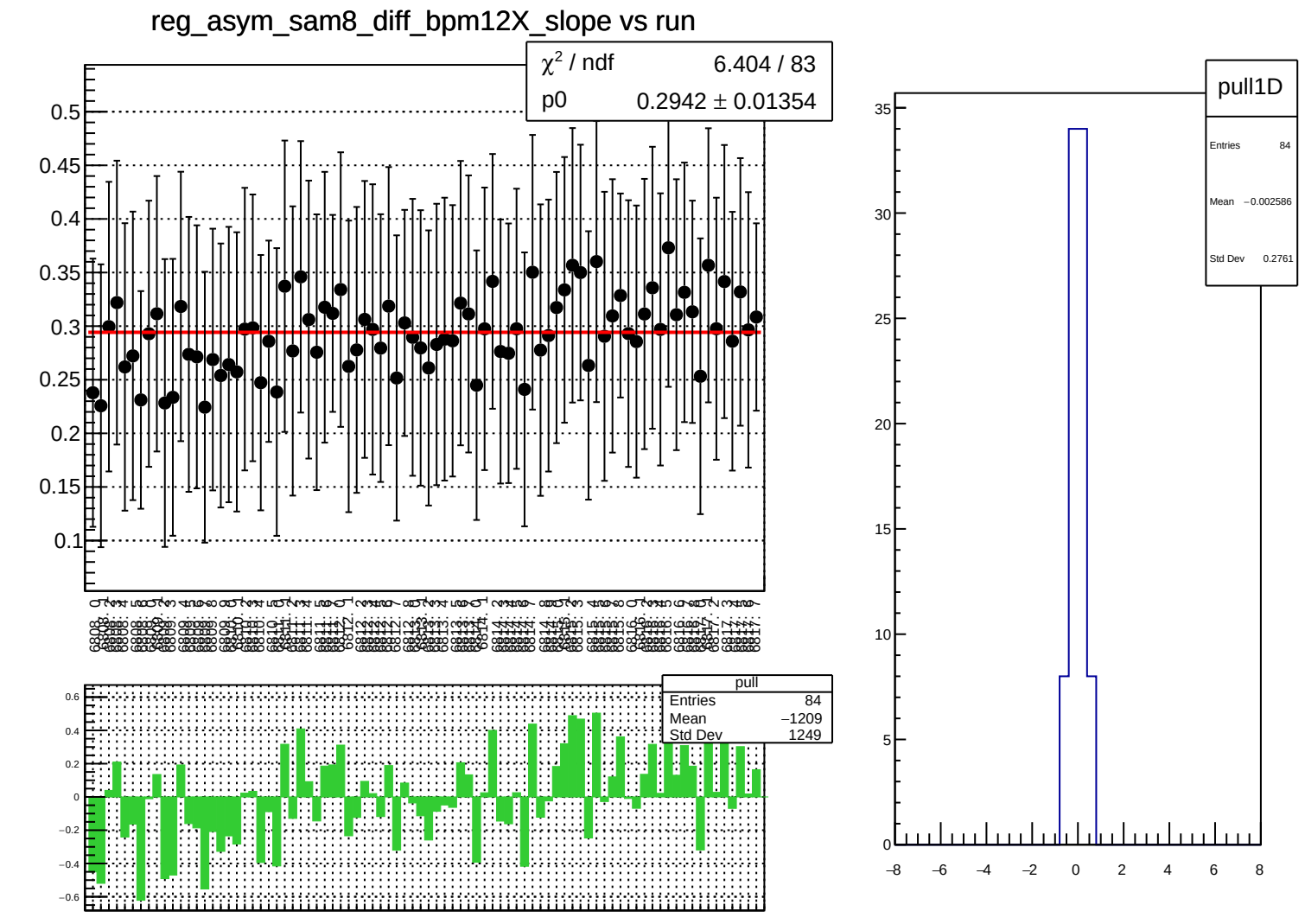

pull1D
Entries 84
Mean 0.04743
Std Dev 0.5305
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

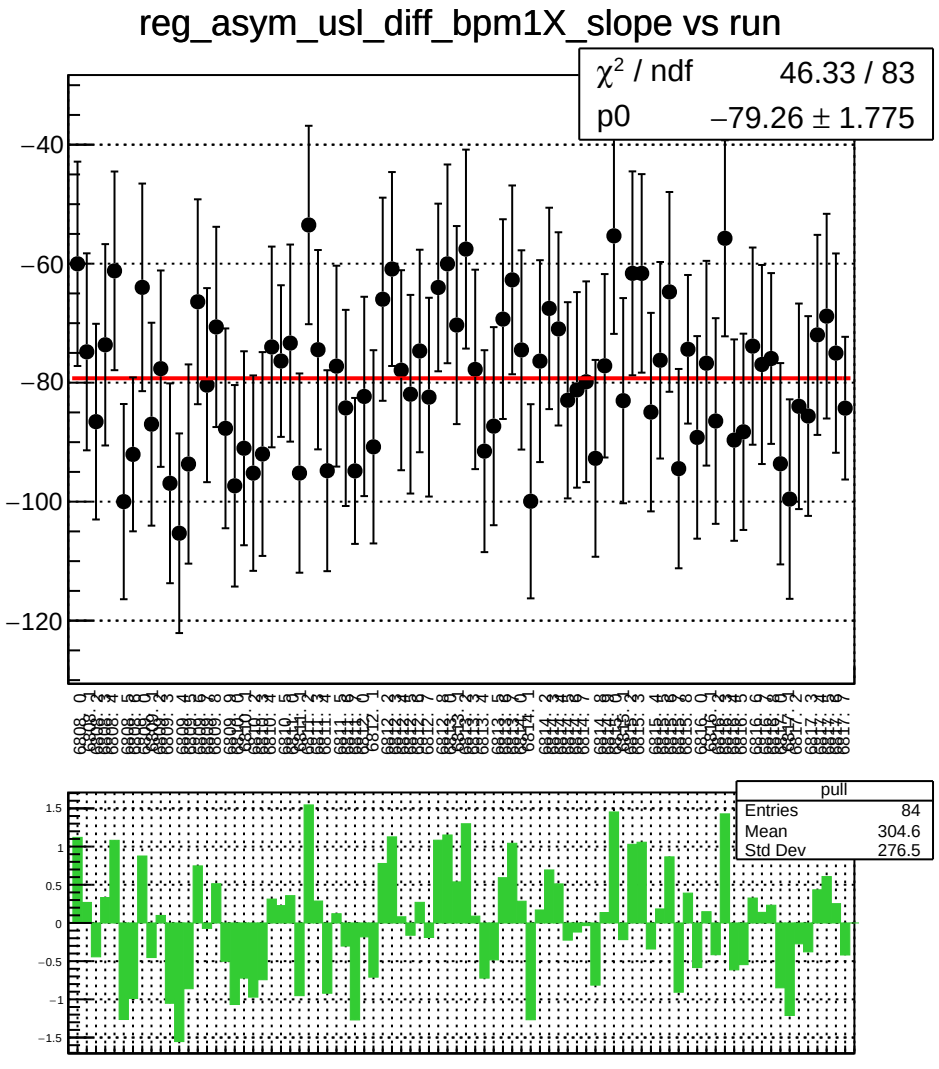

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 8.967 / 83
p0 −42.42 ± 0.3119
pull
Entries 84
Mean −50.87
Std Dev 132

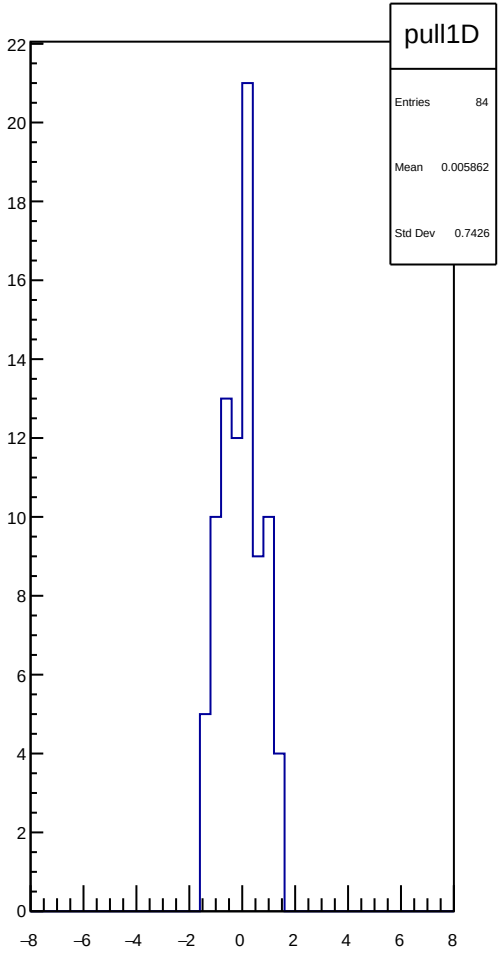

pull1D
Entries 84
Mean −0.004759
Std Dev 0.3267

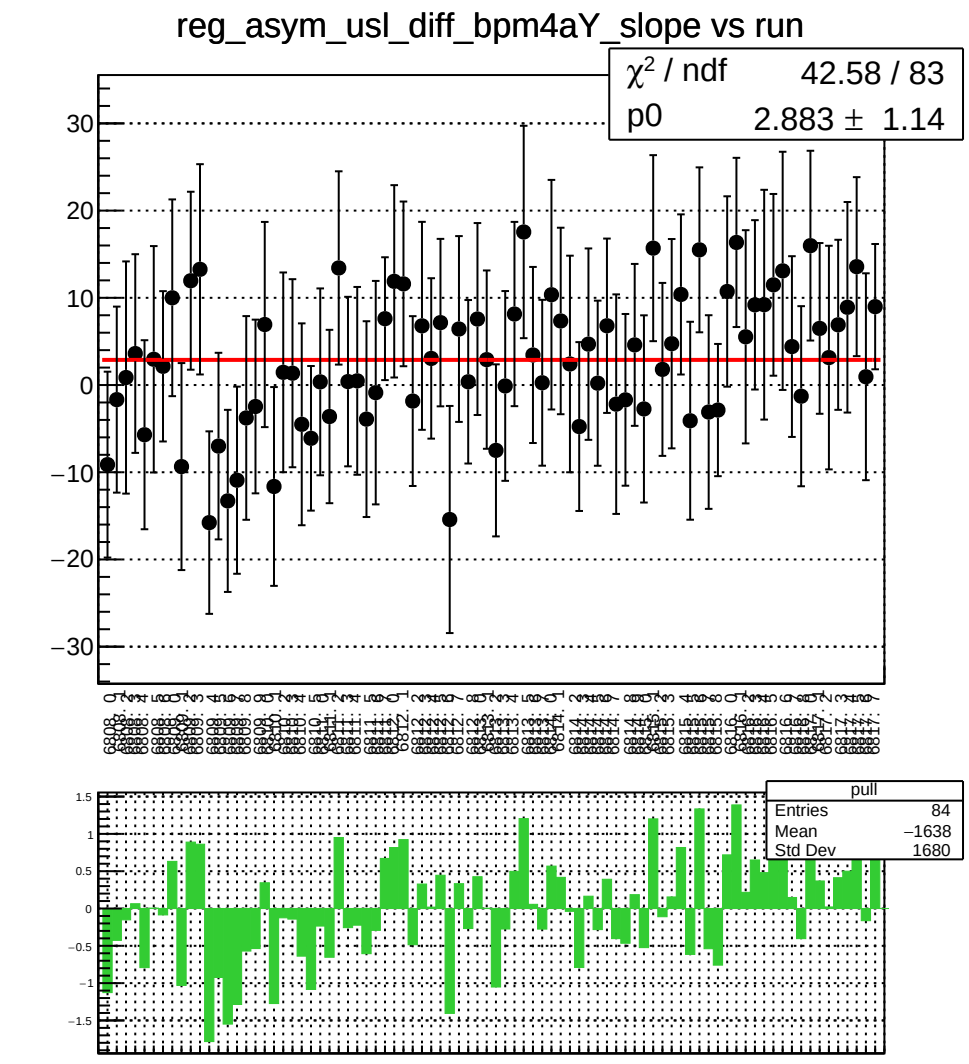

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 16.86 / 83
p0 44.65 ± 0.2582
48
46
44
42
40
pull
Entries 84
Mean −26.19
Std Dev 50.94
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

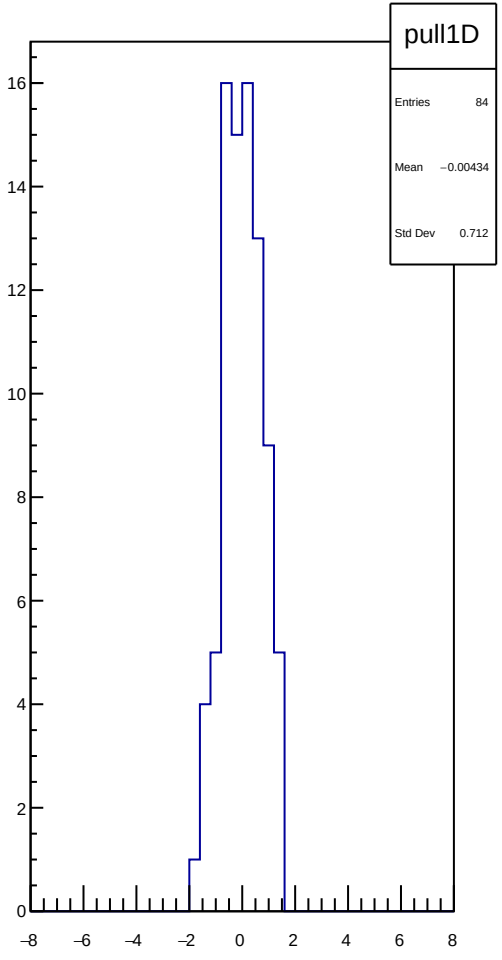

pull1D
Entries 84
Mean −0.02027
Std Dev 0.4476
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

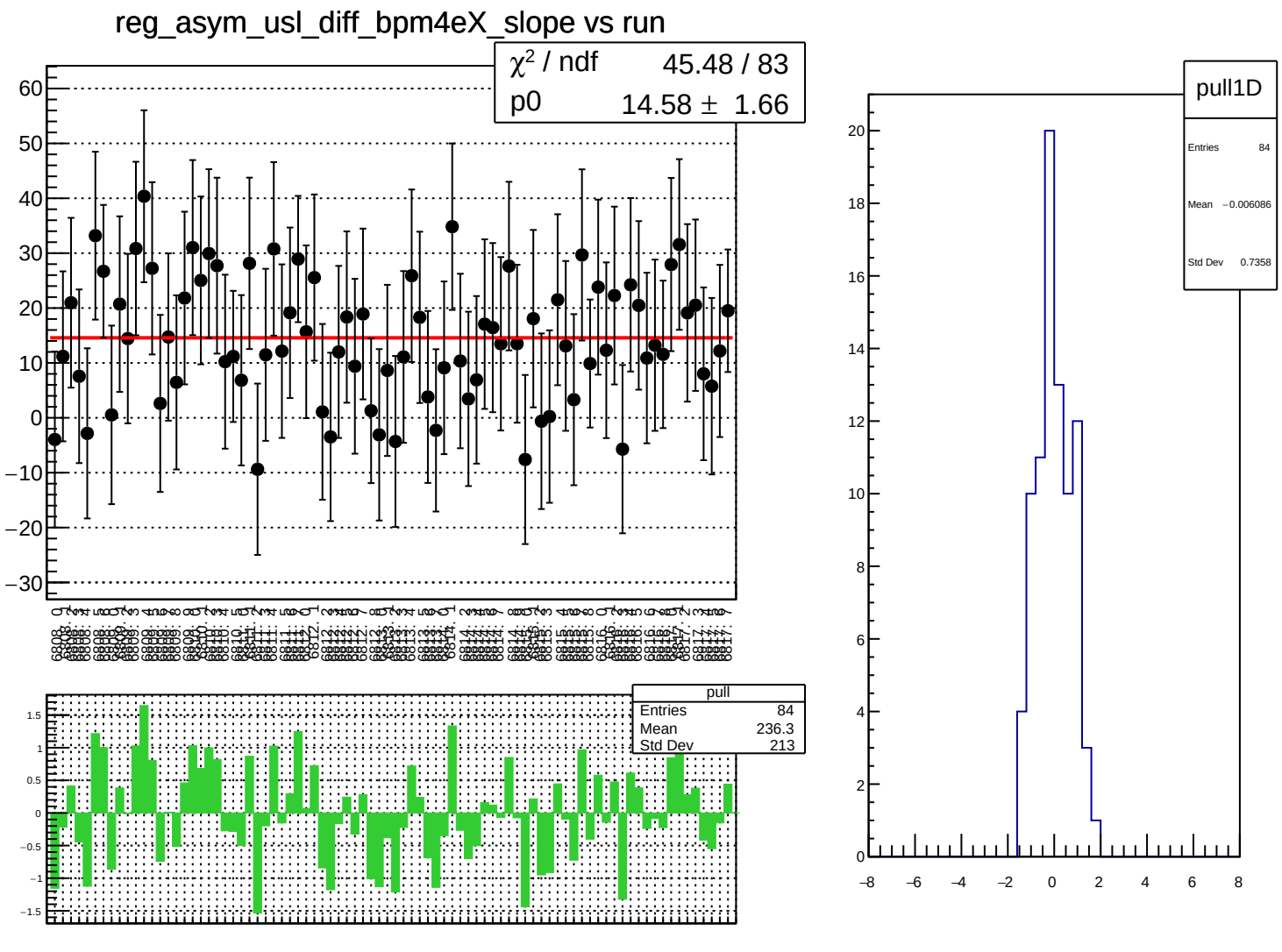

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 6.404 / 83
p0 0.2942 ± 0.01354
pull
Entries 84
Mean −1209
Std Dev 1249
pull1D
Entries 84
Mean −0.002586
Std Dev 0.2761

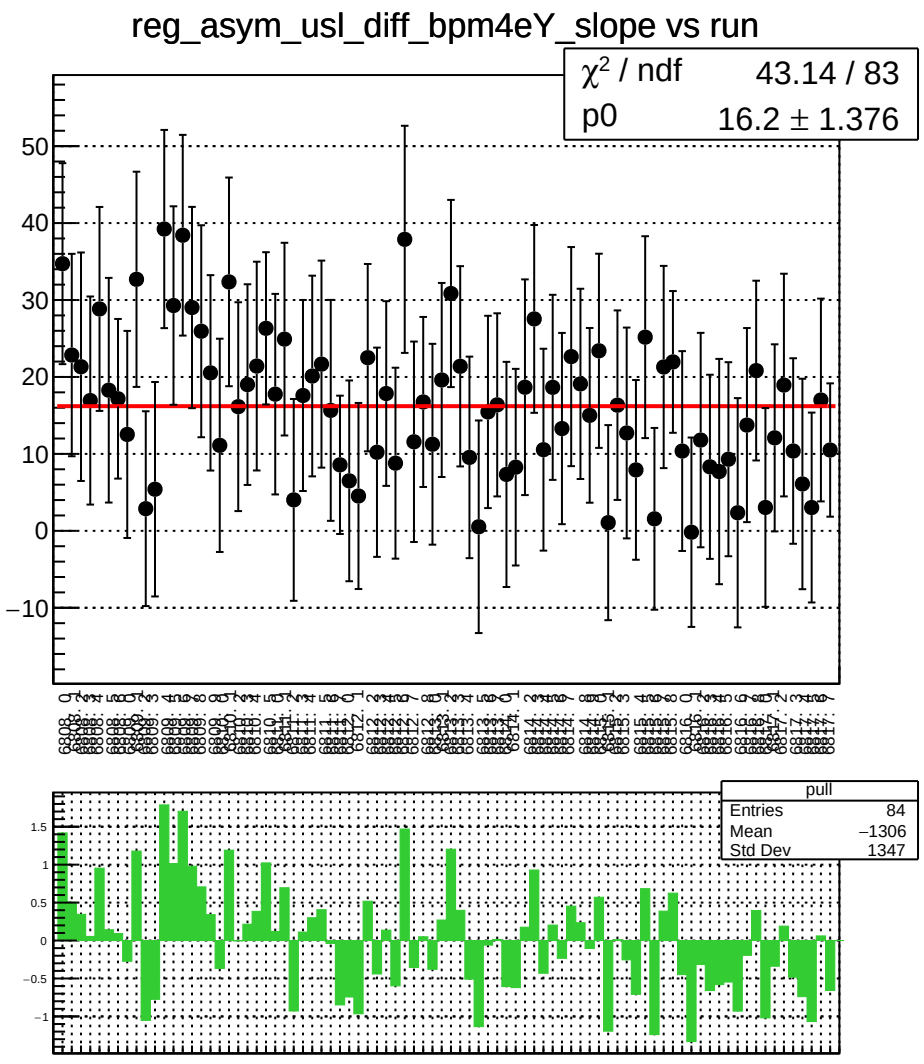

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 46.33 / 83
p0 −79.26 ± 1.775
−40
−60
−80
−100
−120
pull
Entries 84
Mean 304.6
Std Dev 276.5
1.5
1
0.5
0
−0.5
−1
−1.5

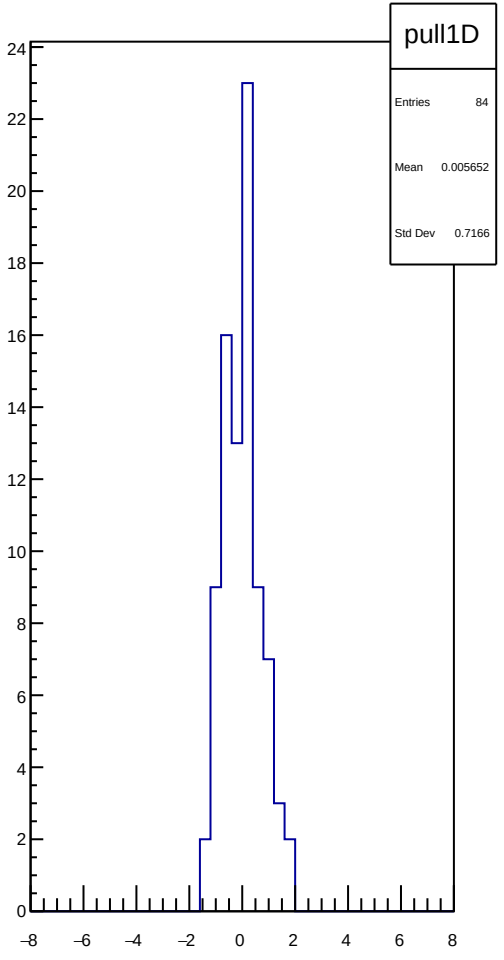

pull1D
Entries 84
Mean 0.005862
Std Dev 0.7426
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

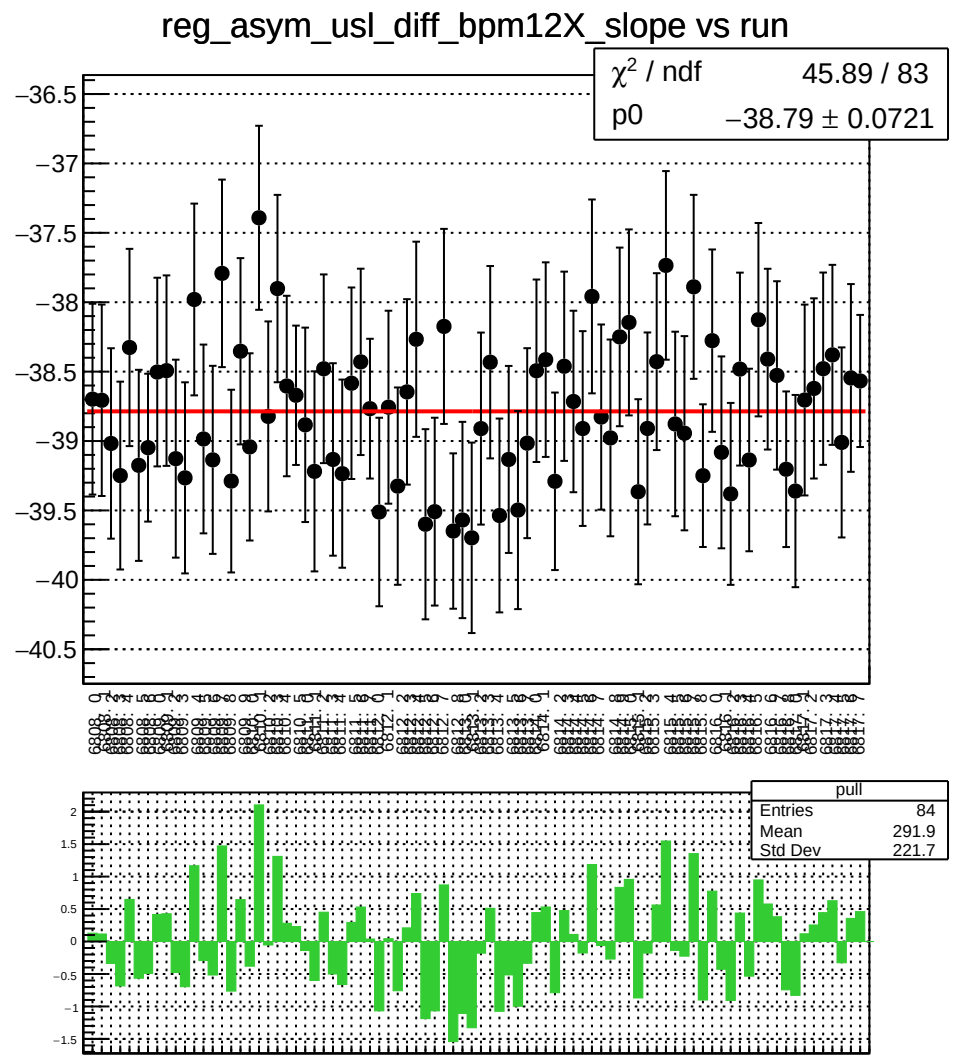

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 42.58 / 83
p0 2.883 ± 1.14
pull
Entries 84
Mean −1638
Std Dev 1680

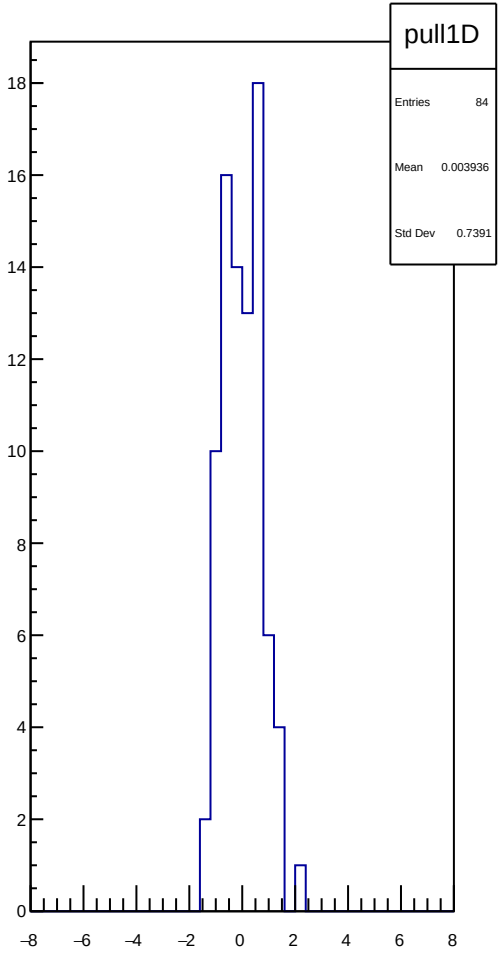

pull1D
Entries 84
Mean −0.00434
Std Dev 0.712

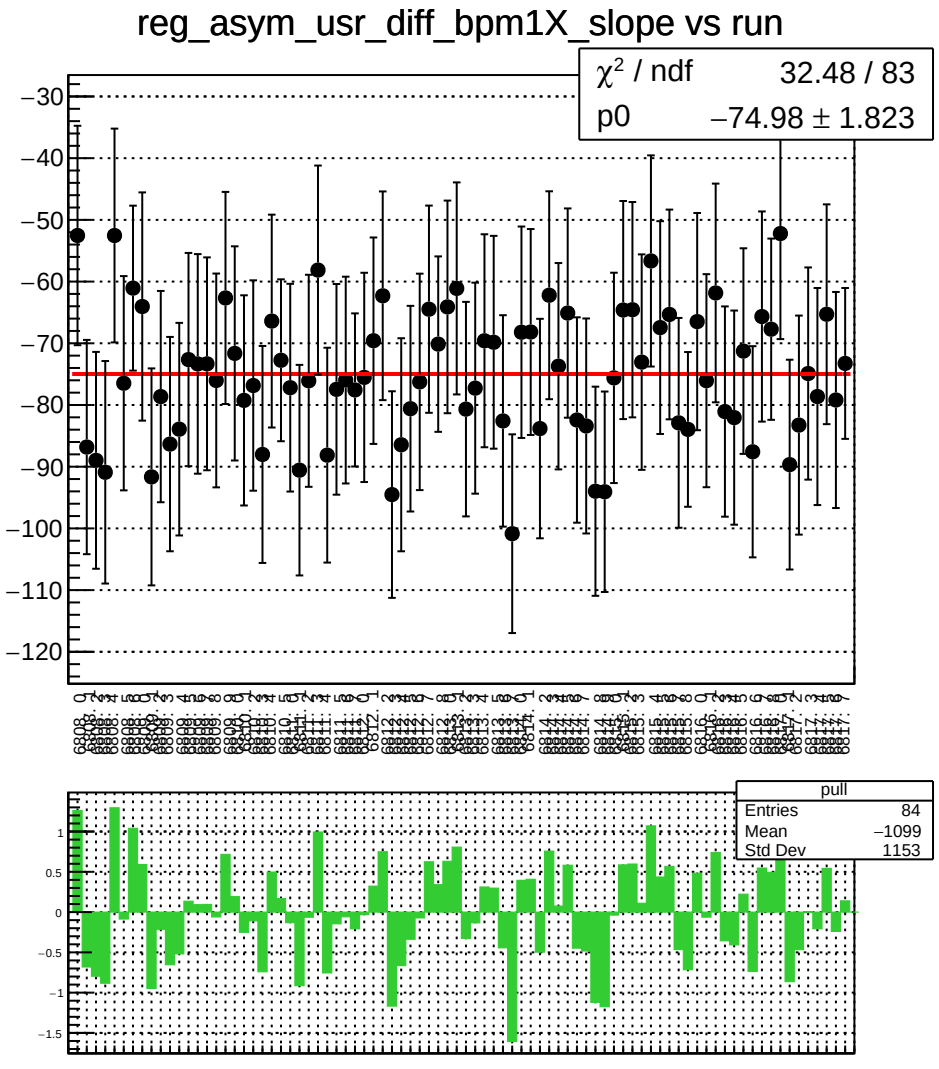

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 45.48 / 83
p0 14.58 ± 1.66
pull
Entries 84
Mean 236.3
Std Dev 213
pull1D
Entries 84
Mean −0.006086
Std Dev 0.7358

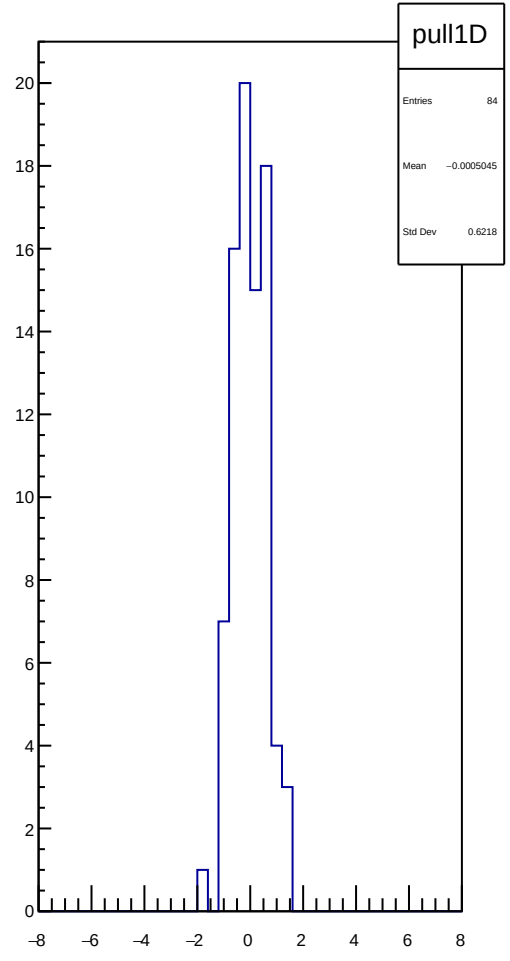

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 43.14 / 83
p0 16.2 ± 1.376
pull
Entries 84
Mean −1306
Std Dev 1347

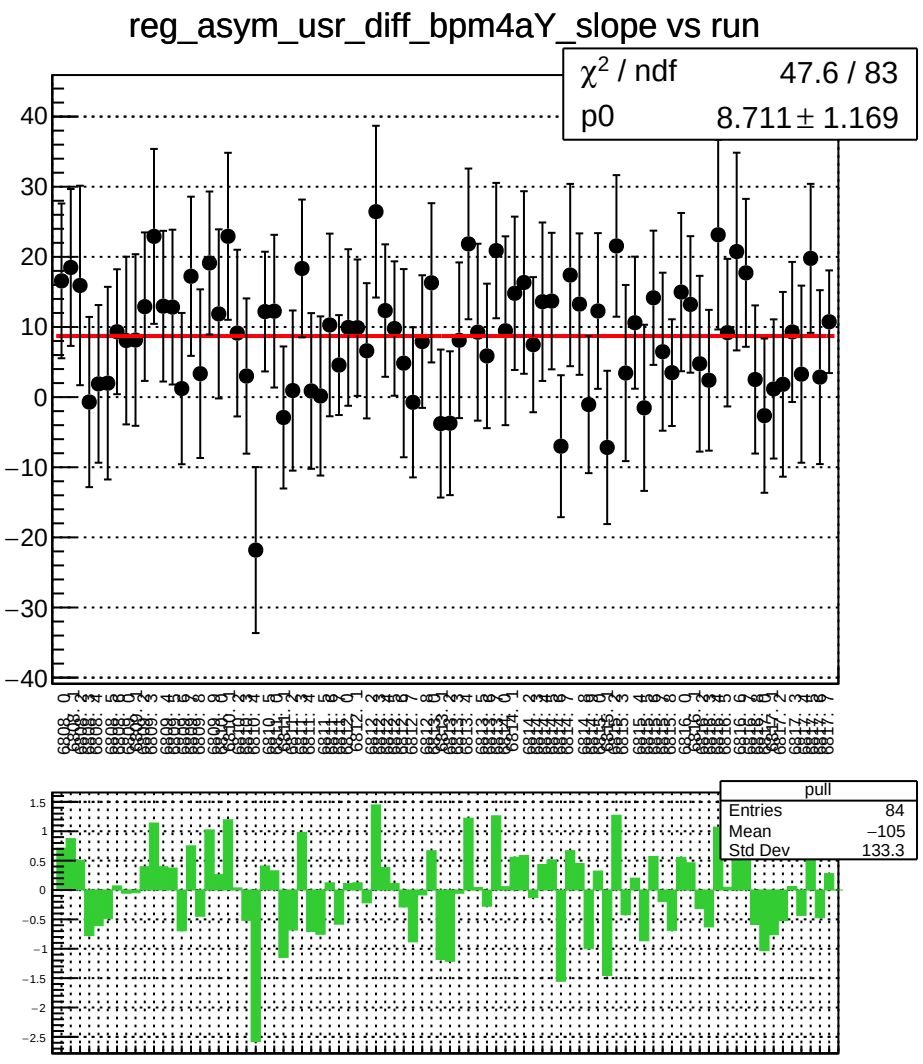

pull1D
Entries 84
Mean 0.005652
Std Dev 0.7166

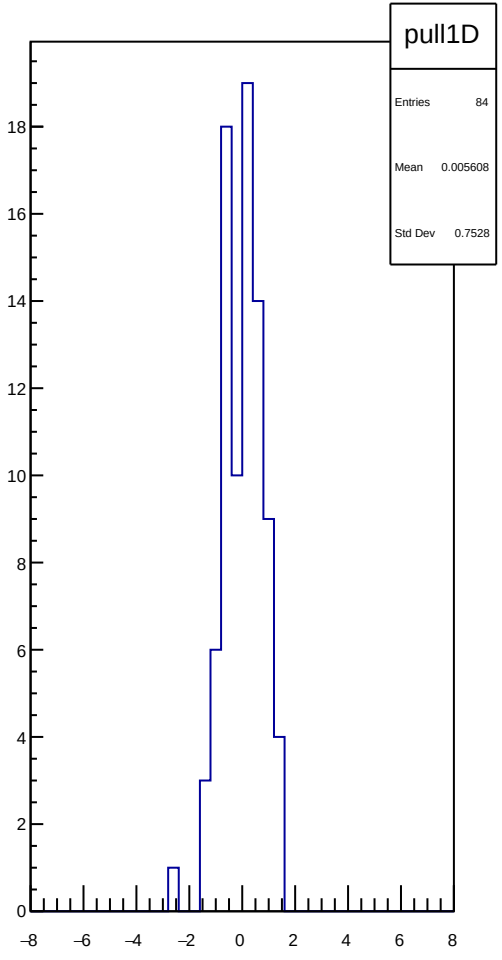

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 45.89 / 83
p0 −38.79 ± 0.0721
pull
Entries 84
Mean 291.9
Std Dev 221.7

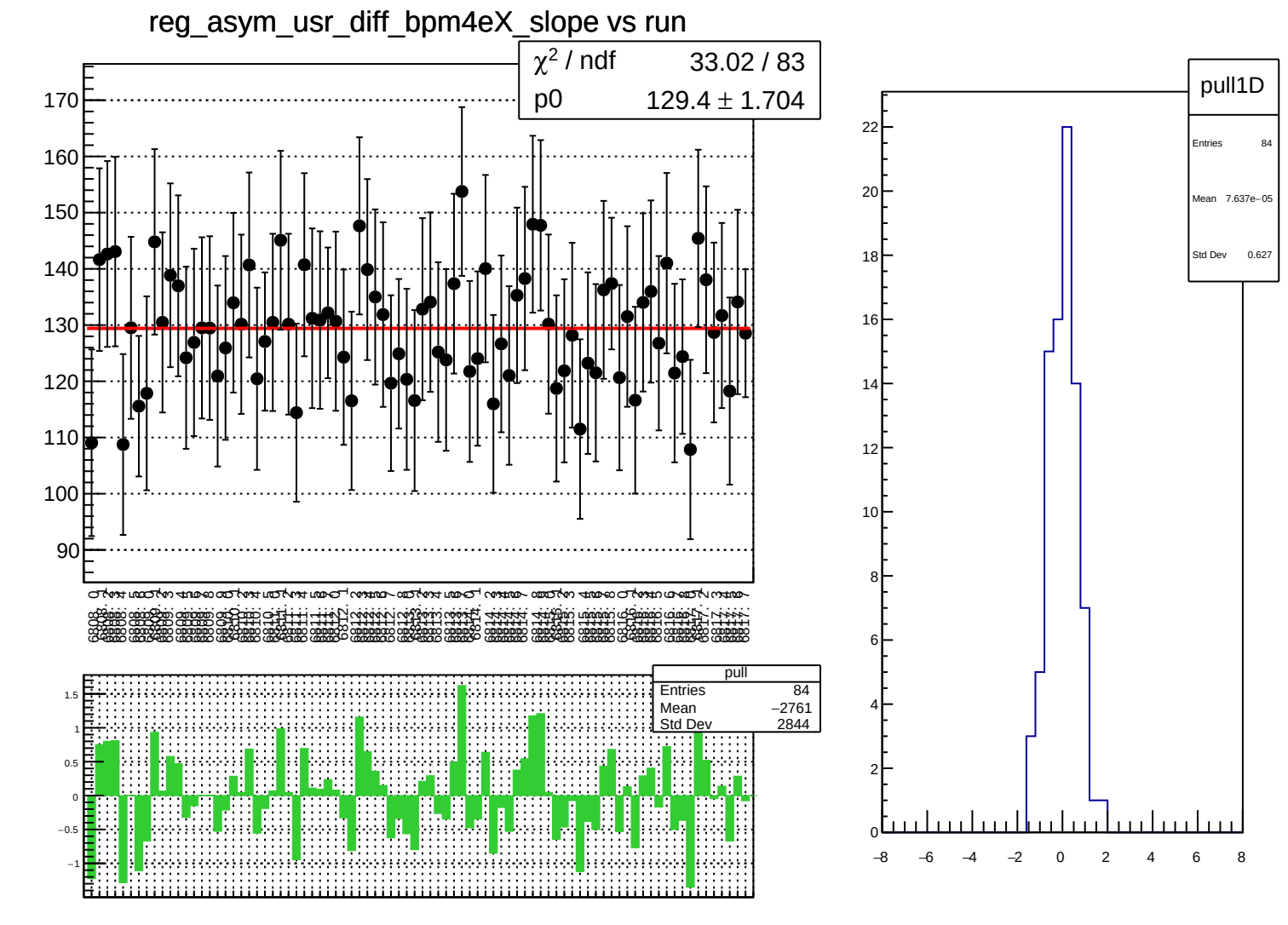

pull1D
Entries 84
Mean 0.003936
Std Dev 0.7391

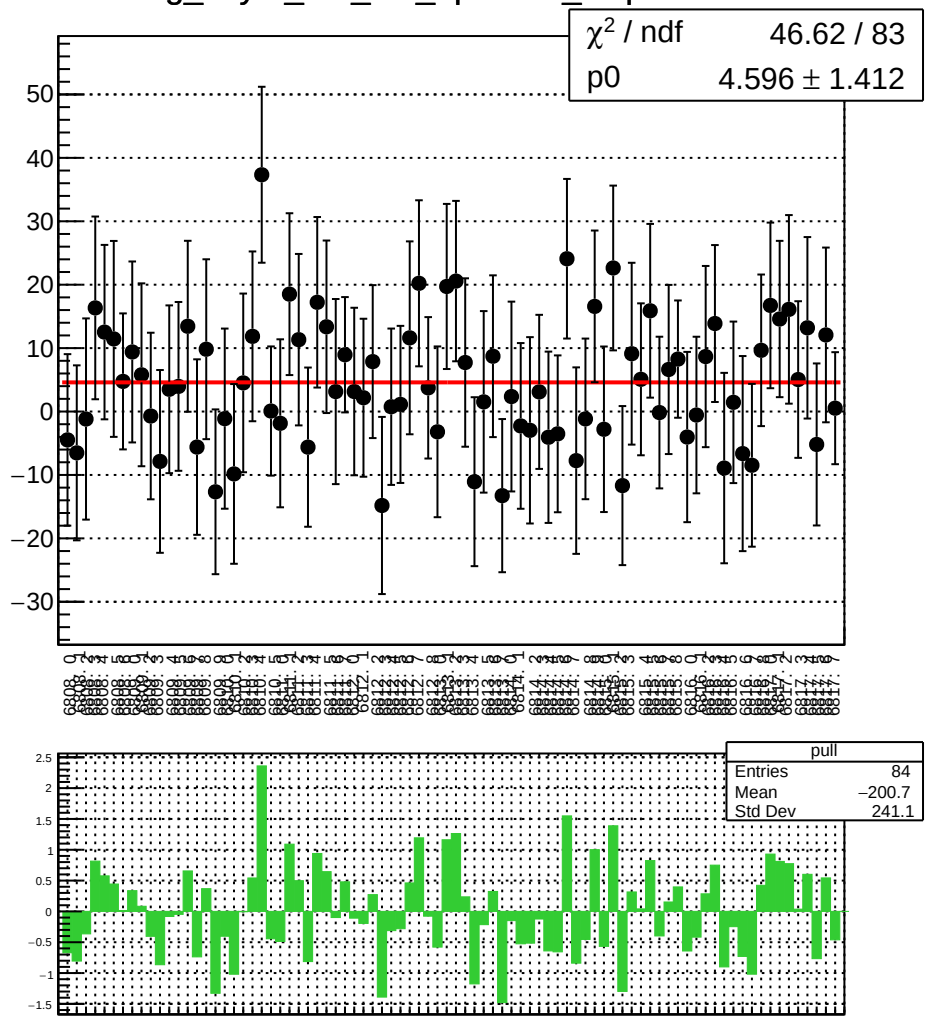

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 32.48 / 83
p0 −74.98 ± 1.823
pull
Entries 84
Mean −1099
Std Dev 1153

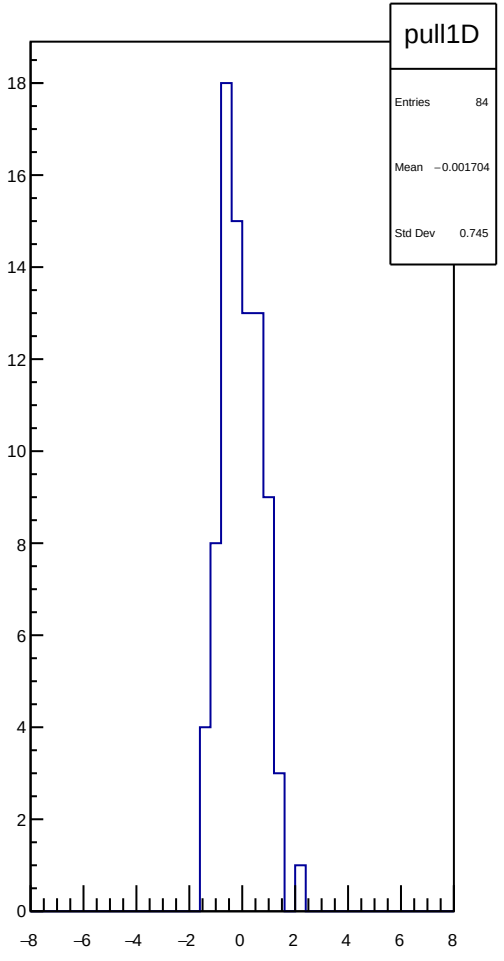

pull1D
Entries 84
Mean −0.0005045
Std Dev 0.6218

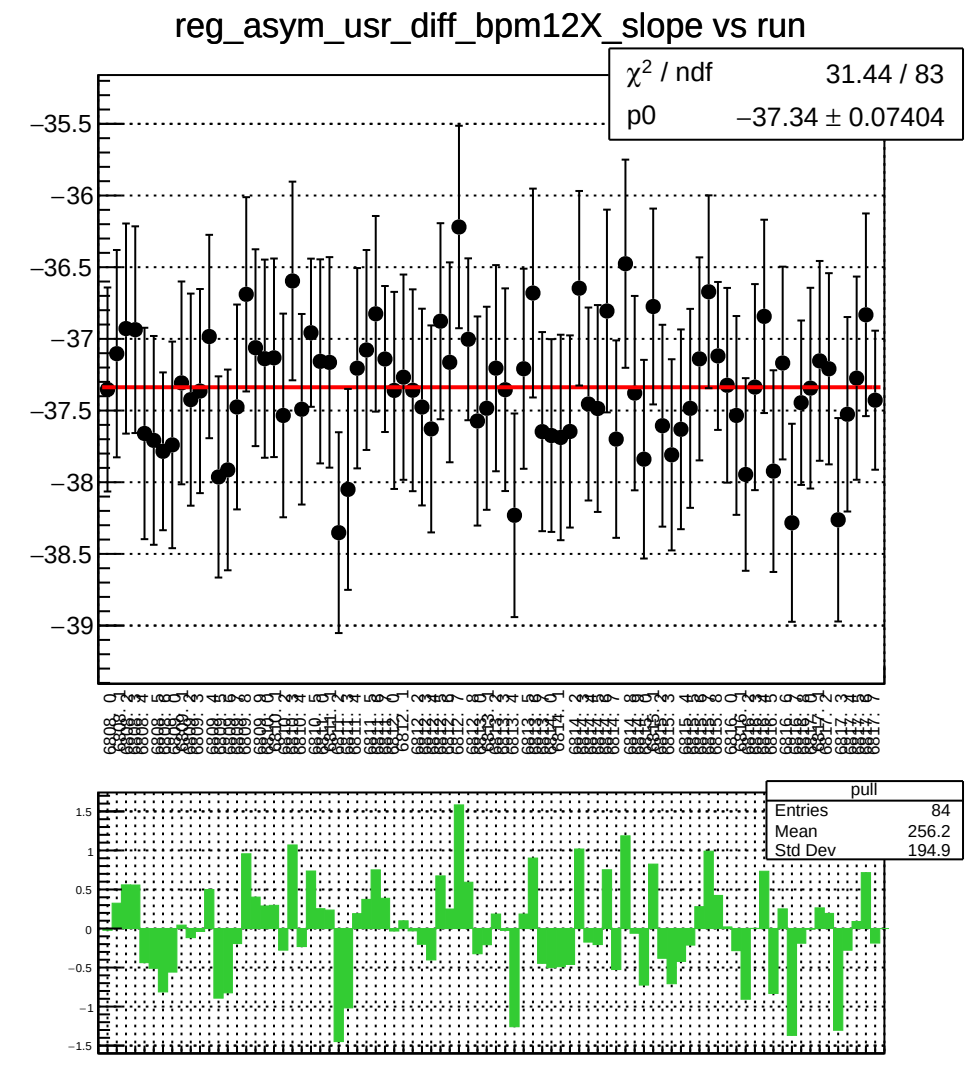

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 47.6 / 83
p0 8.711 ± 1.169
pull
Entries 84
Mean −105
Std Dev 133.3

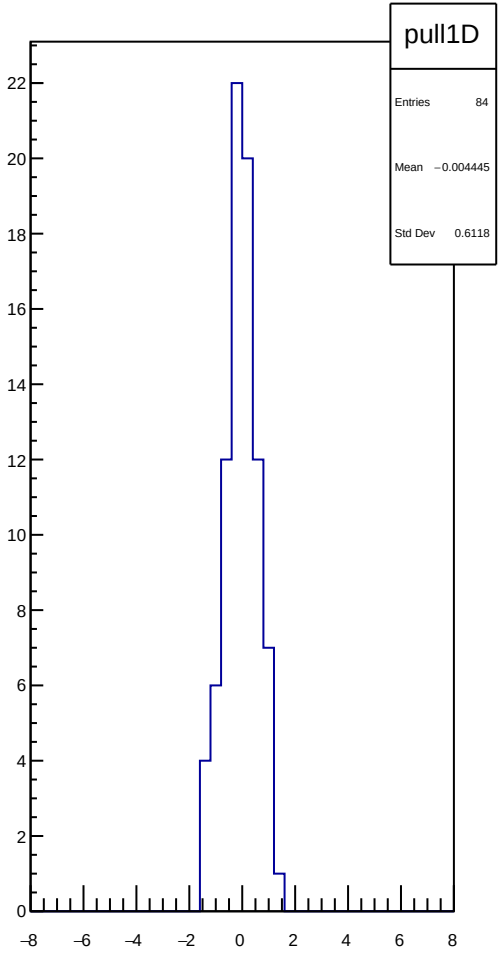

pull1D
Entries 84
Mean 0.005608
Std Dev 0.7528

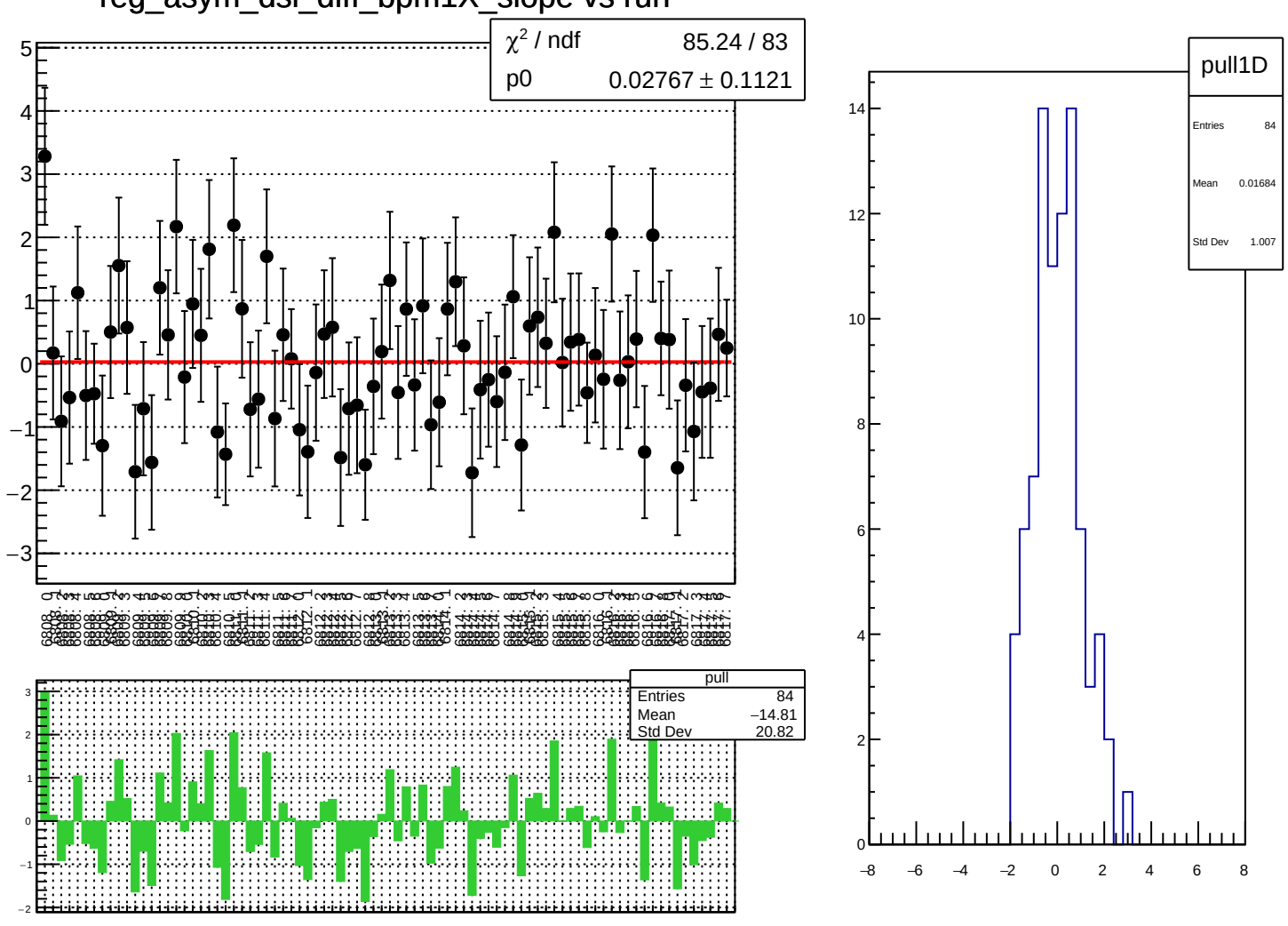

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 33.02 / 83
p0 129.4 ± 1.704
pull
Entries 84
Mean −2761
Std Dev 2844
pull1D
Entries 84
Mean 7.637e−05
Std Dev 0.627

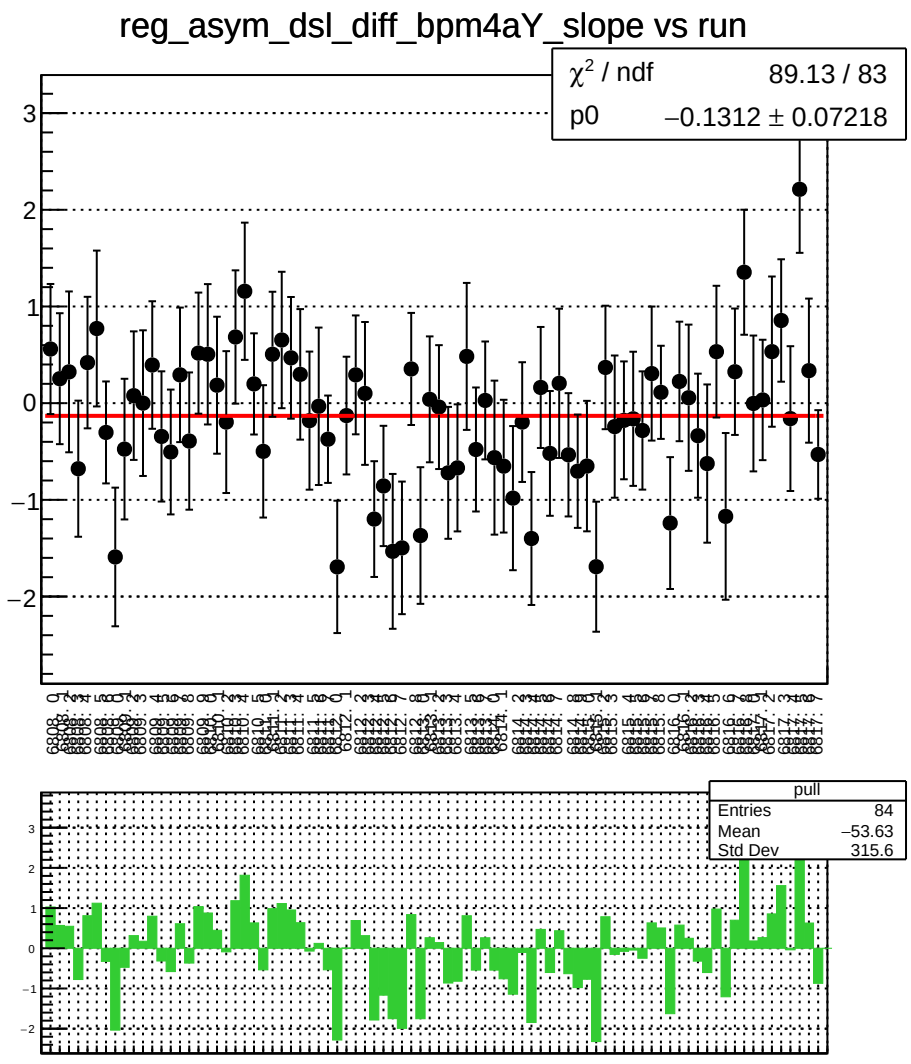

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 46.62 / 83
p0 4.596 ± 1.412
pull
Entries 84
Mean −200.7
Std Dev 241.1

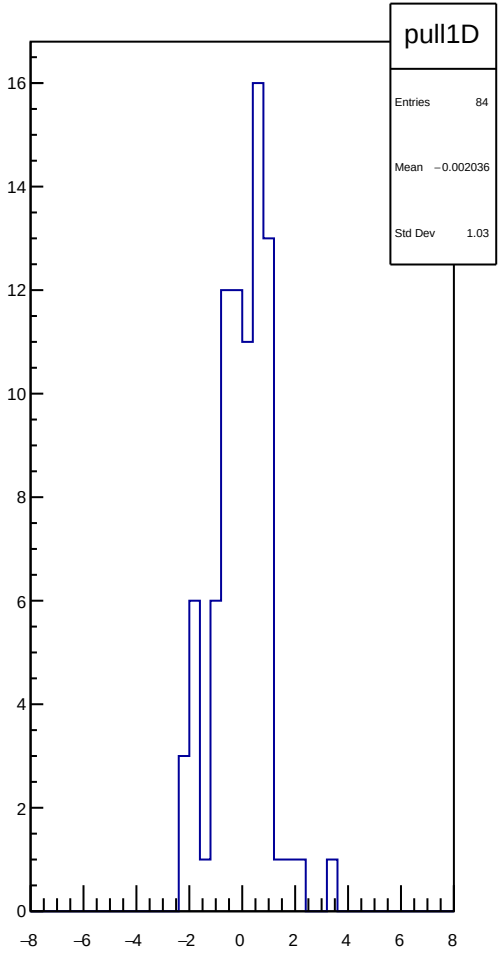

pull1D
Entries 84
Mean −0.001704
Std Dev 0.745

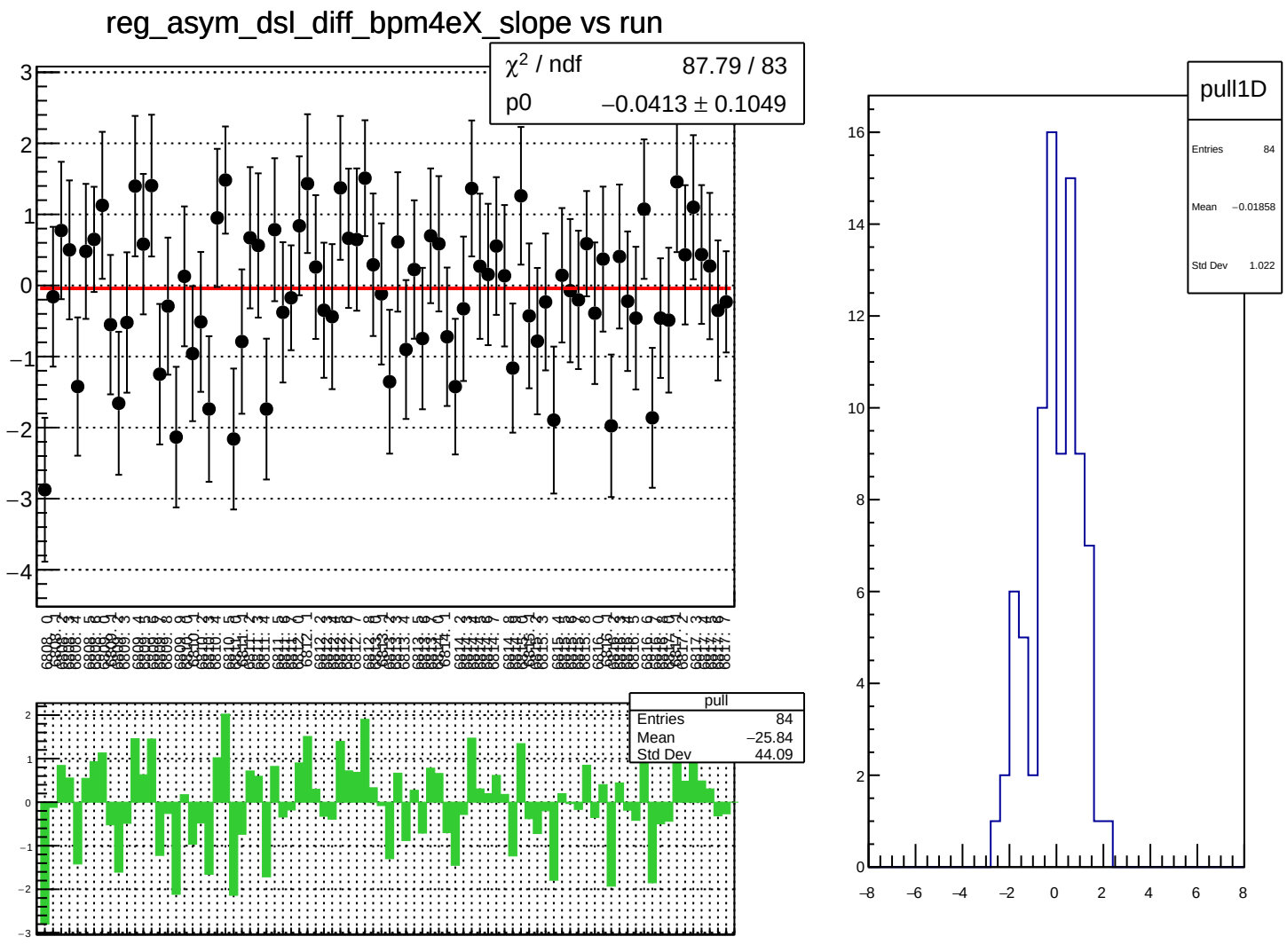

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 31.44 / 83
p0 −37.34 ± 0.07404
pull
Entries 84
Mean 256.2
Std Dev 194.9

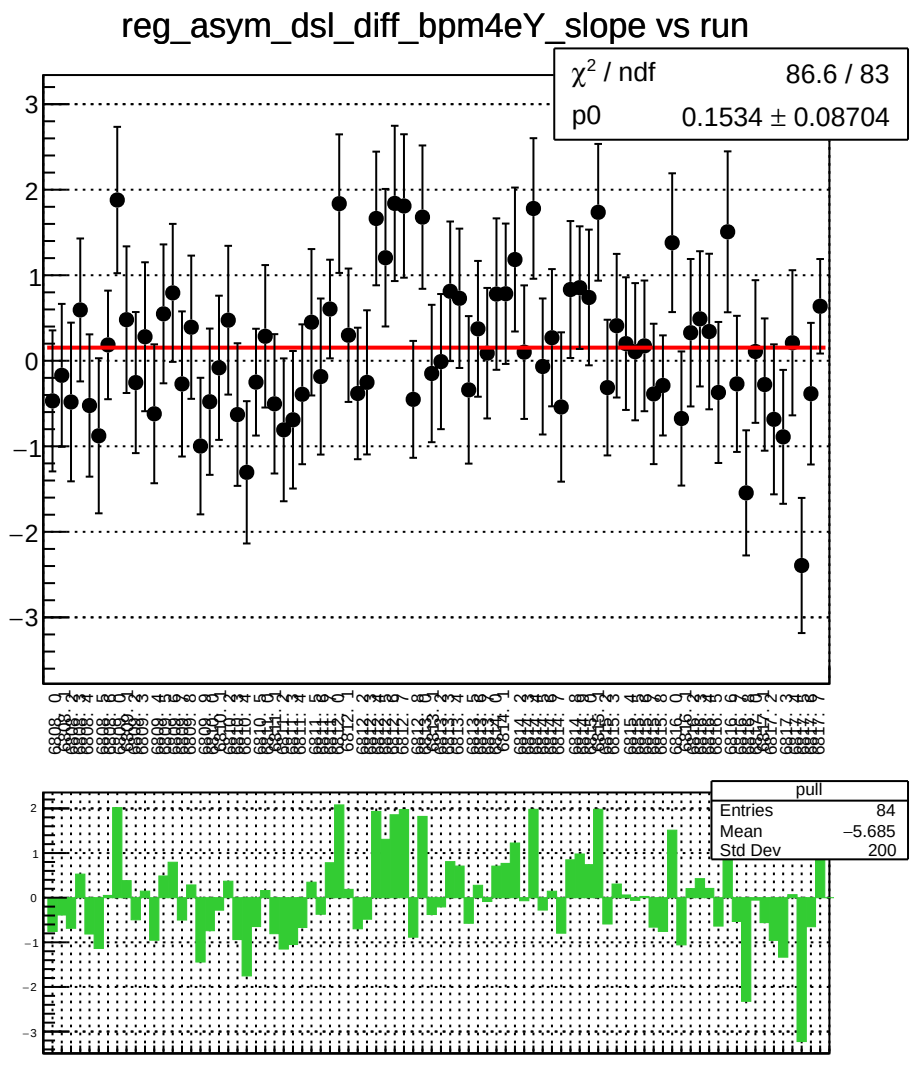

pull1D
Entries 84
Mean −0.004445
Std Dev 0.6118

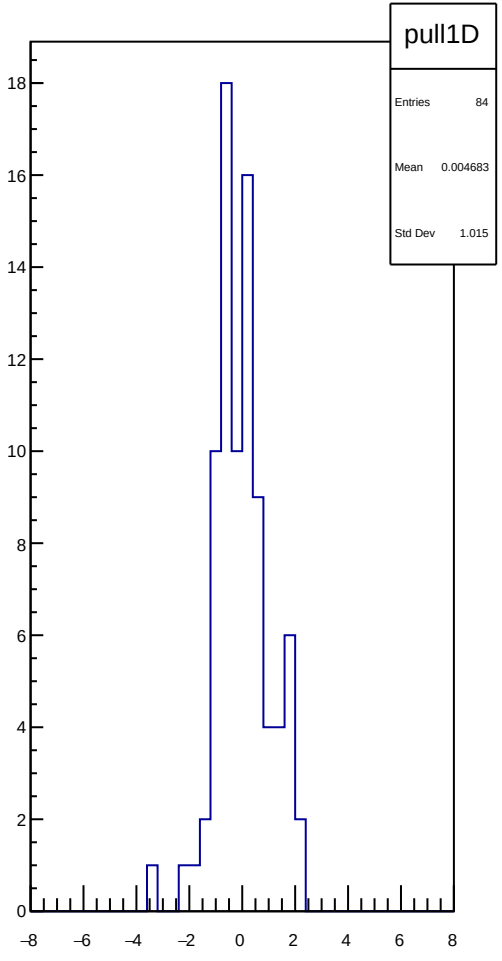

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 85.24 / 83
p0 0.02767 ± 0.1121
pull
Entries 84
Mean −14.81
Std Dev 20.82
pull1D
Entries 84
Mean 0.01684
Std Dev 1.007

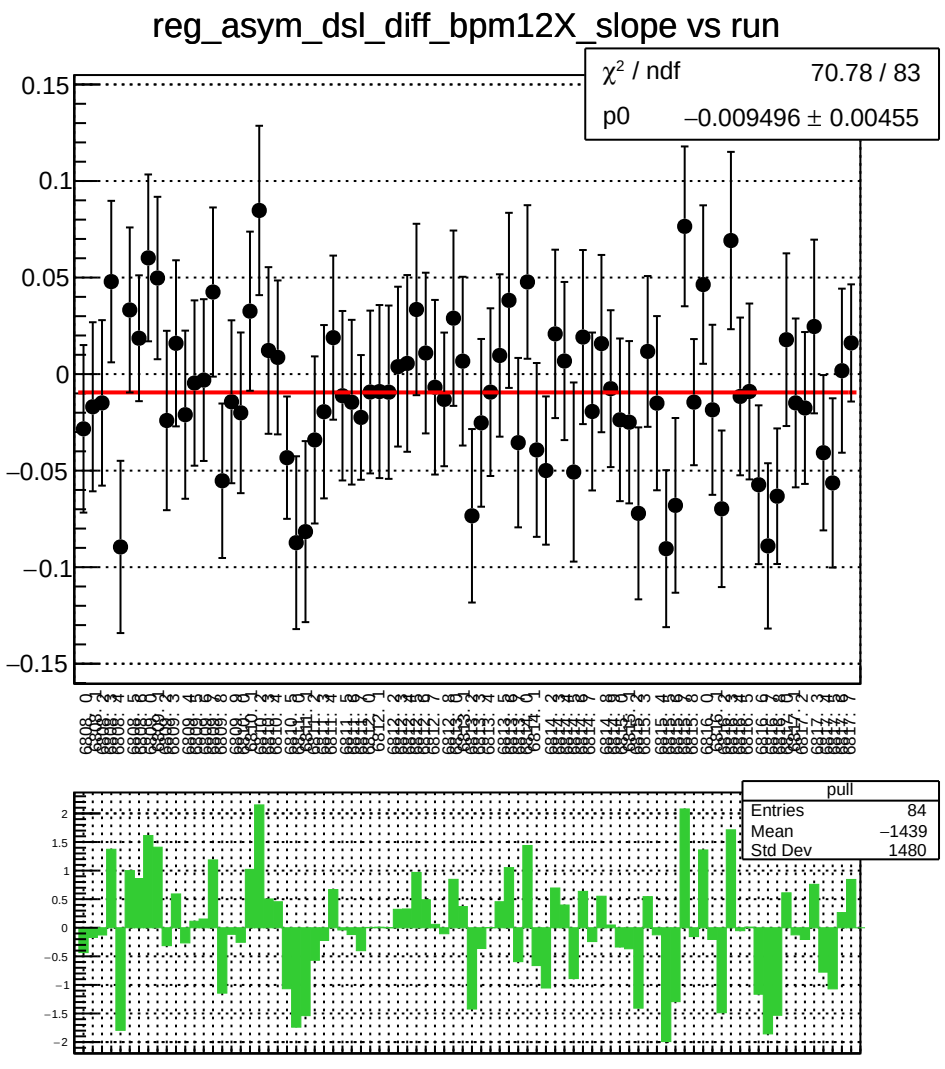

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 89.13 / 83
p0 −0.1312 ± 0.07218
pull
Entries 84
Mean −53.63
Std Dev 315.6

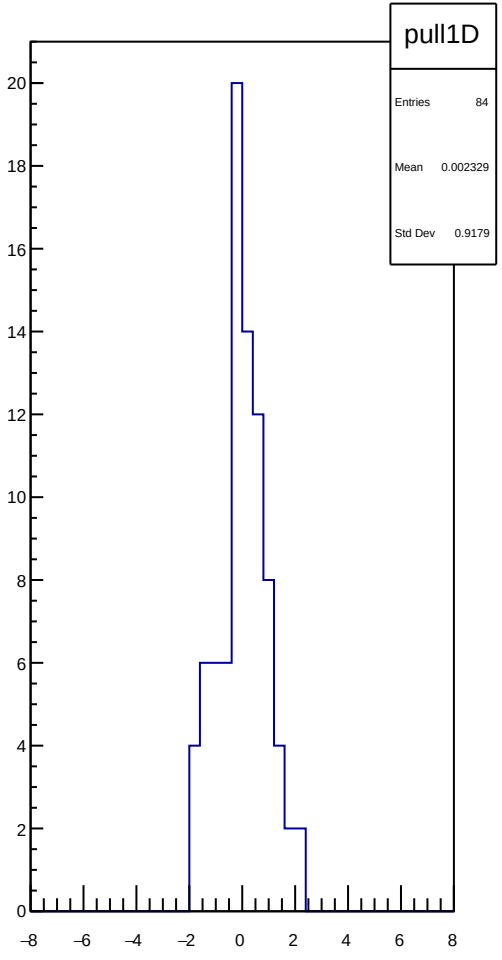

pull1D
Entries 84
Mean −0.002036
Std Dev 1.03

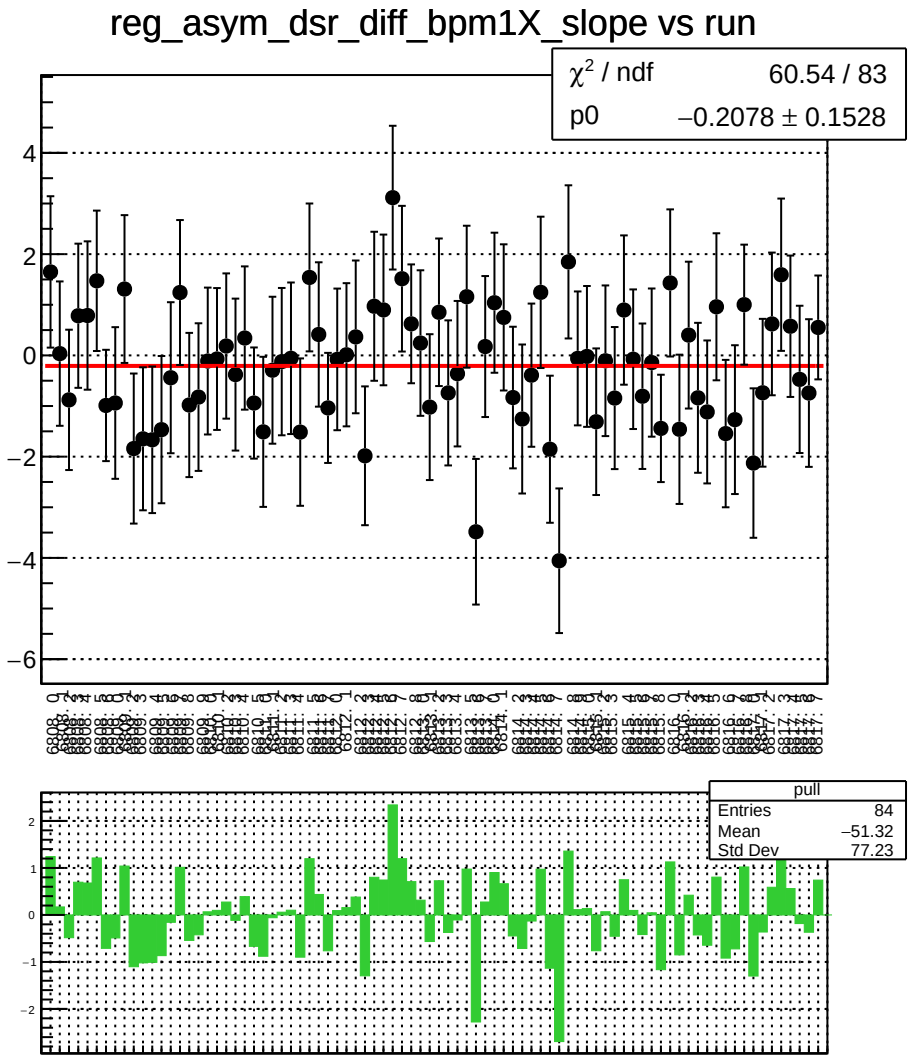

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 87.79 / 83
p0 −0.0413 ± 0.1049
pull
Entries 84
Mean −25.84
Std Dev 44.09
pull1D
Entries 84
Mean −0.01858
Std Dev 1.022

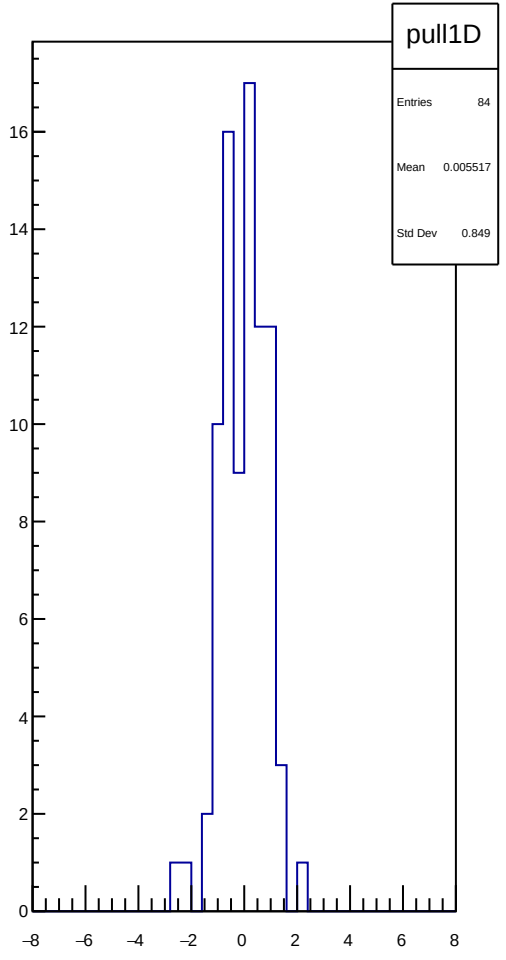

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 86.6 / 83
p0 0.1534 ± 0.08704
pull
Entries 84
Mean −5.685
Std Dev 200

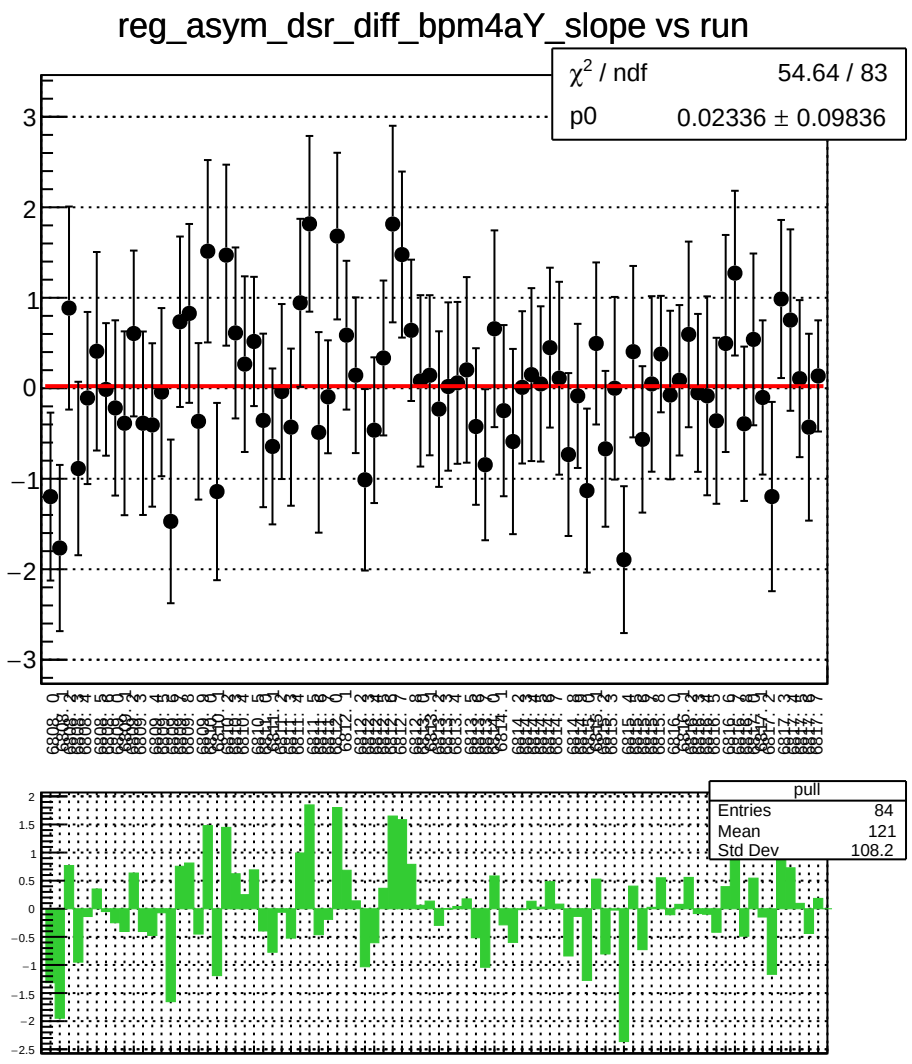

pull1D
Entries 84
Mean 0.004683
Std Dev 1.015

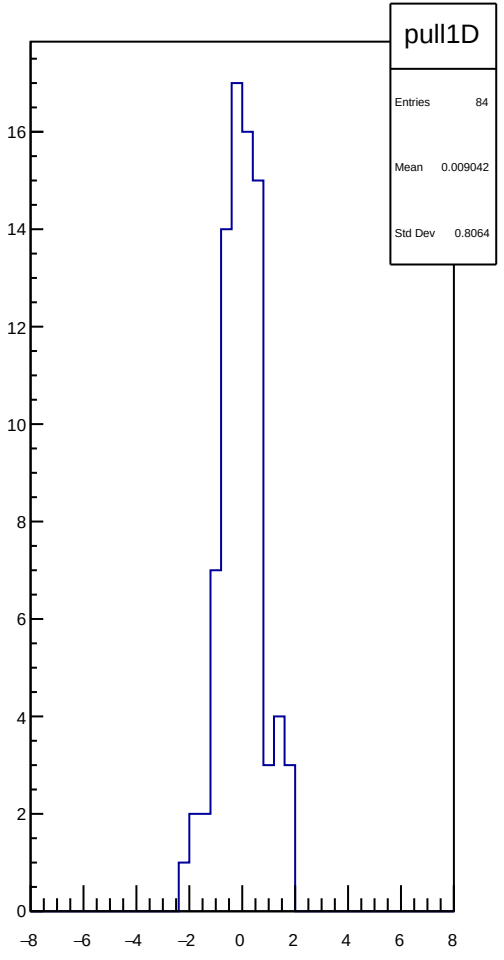

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 70.78 / 83
p0 −0.009496 ± 0.00455
pull
Entries 84
Mean −1439
Std Dev 1480

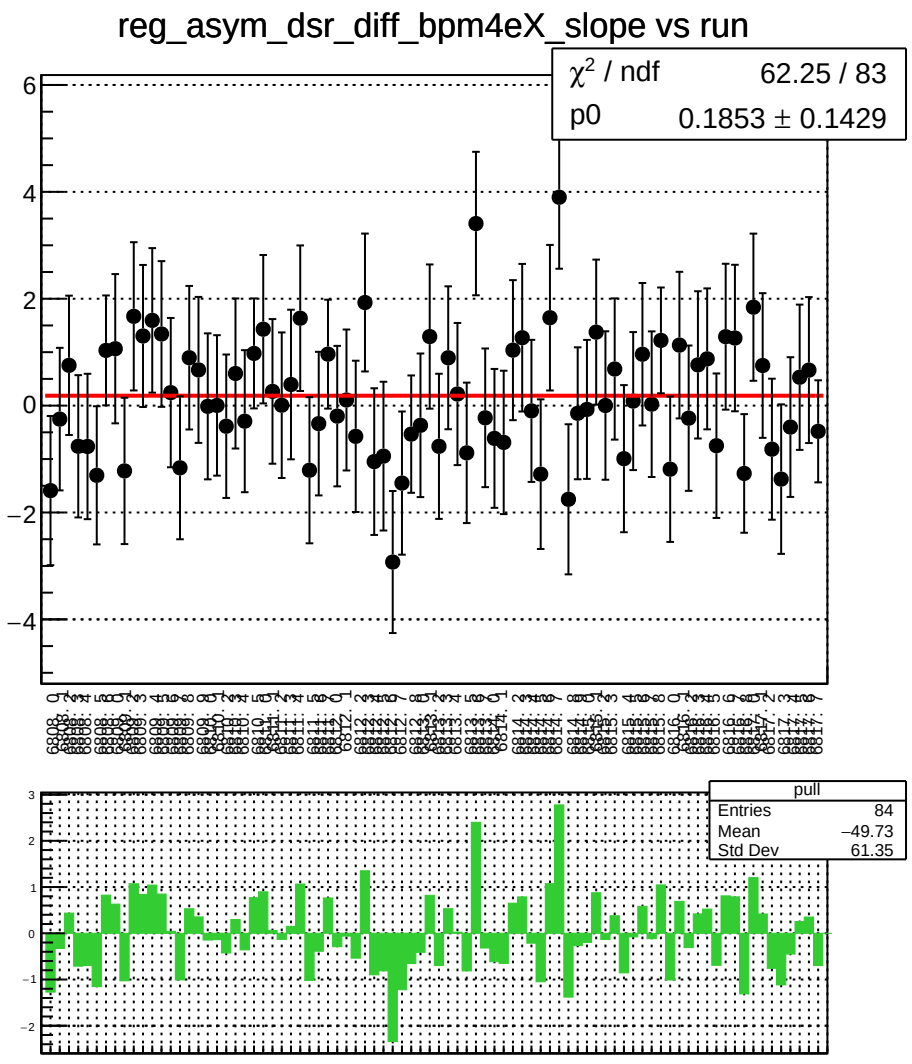

pull1D
Entries 84
Mean 0.002329
Std Dev 0.9179

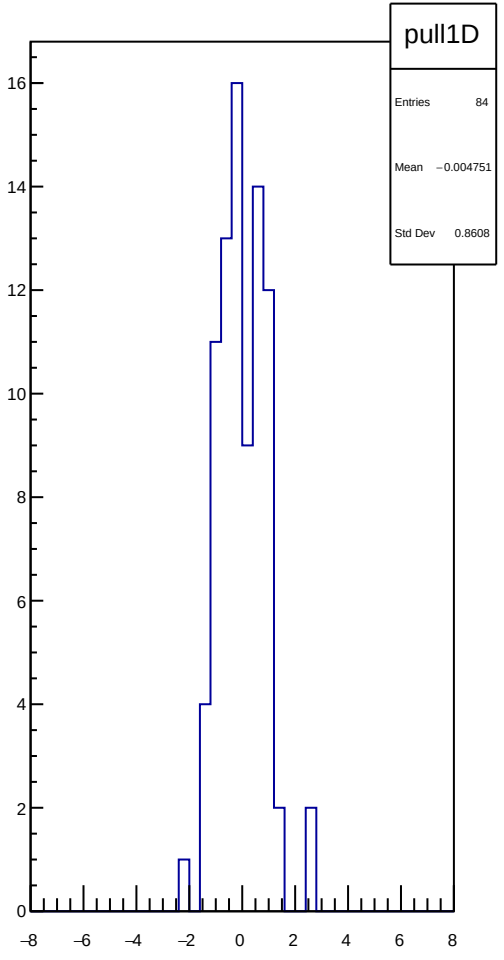

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 60.54 / 83
p0 −0.2078 ± 0.1528
pull
Entries 84
Mean −51.32
Std Dev 77.23

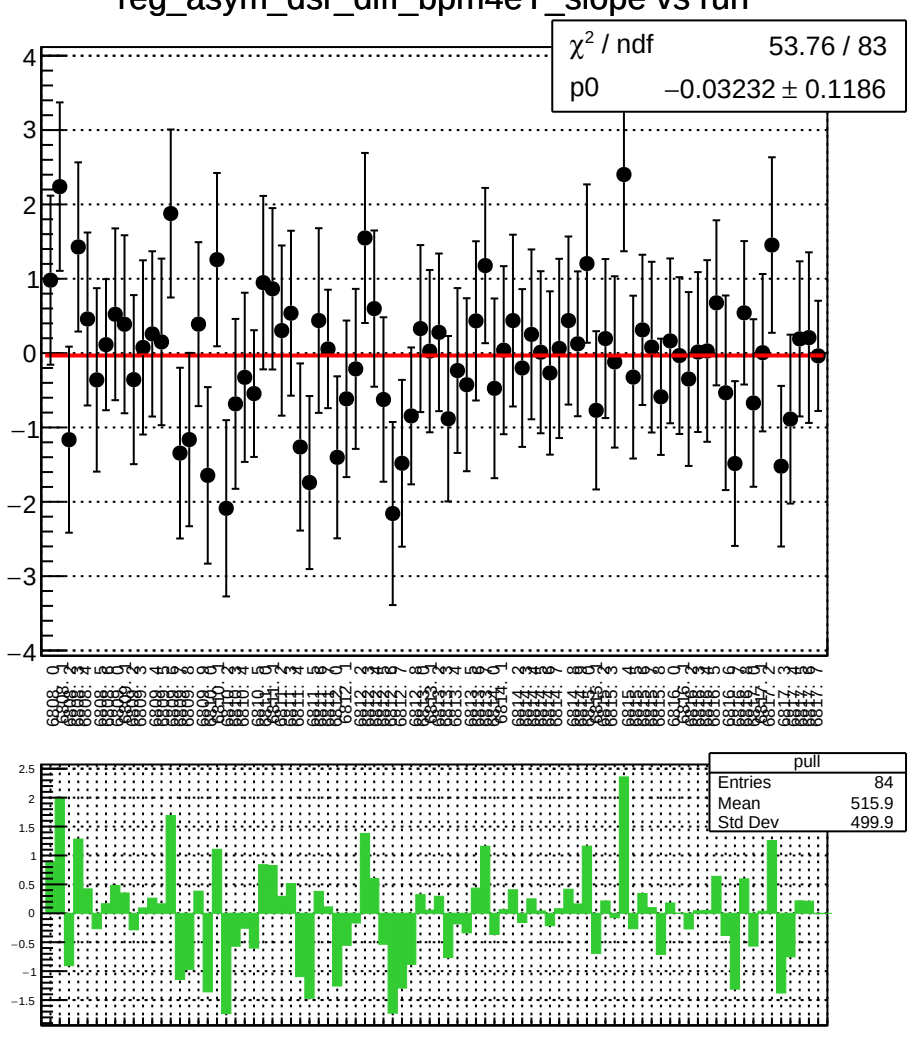

pull1D
Entries 84
Mean 0.005517
Std Dev 0.849

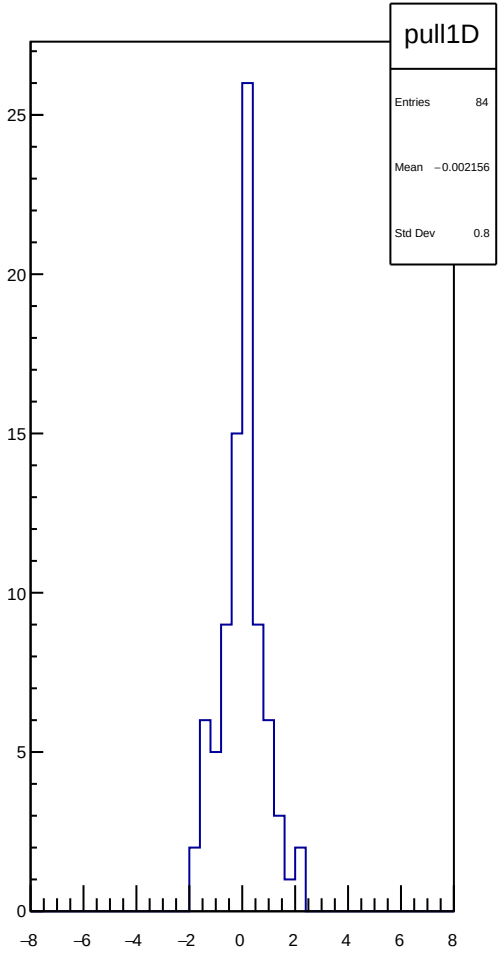

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 54.64 / 83
p0 0.02336 ± 0.09836
pull
Entries 84
Mean 121
Std Dev 108.2

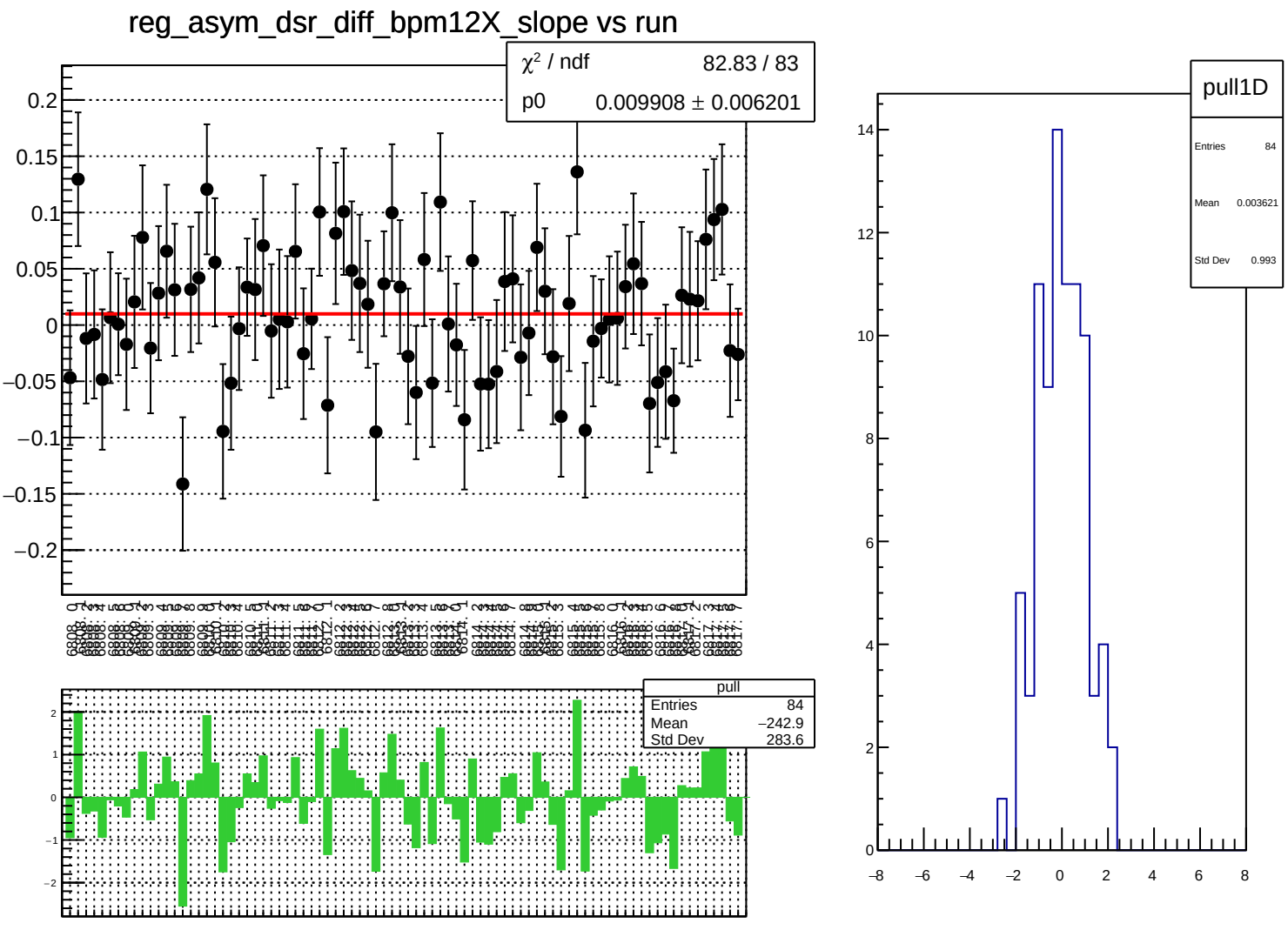

pull1D
Entries 84
Mean 0.009042
Std Dev 0.8064

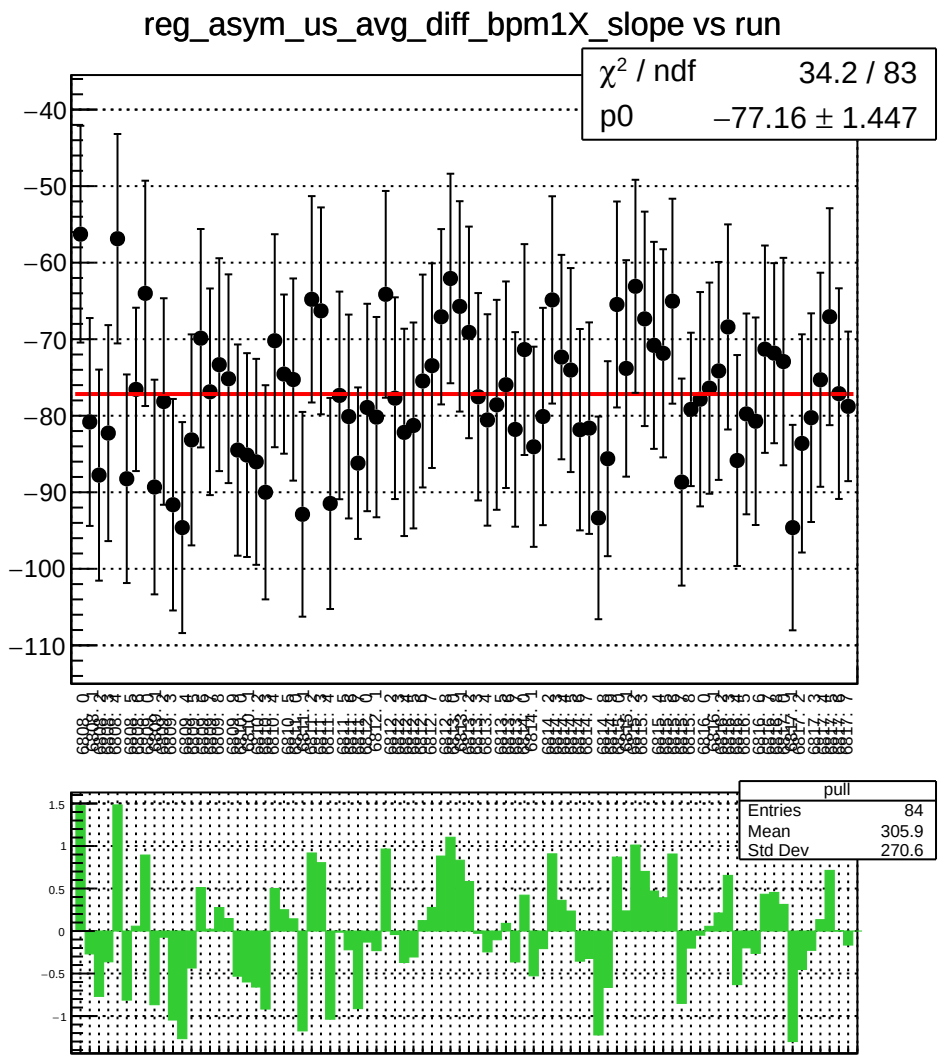

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 62.25 / 83
p0 0.1853 ± 0.1429
pull
Entries 84
Mean −49.73
Std Dev 61.35

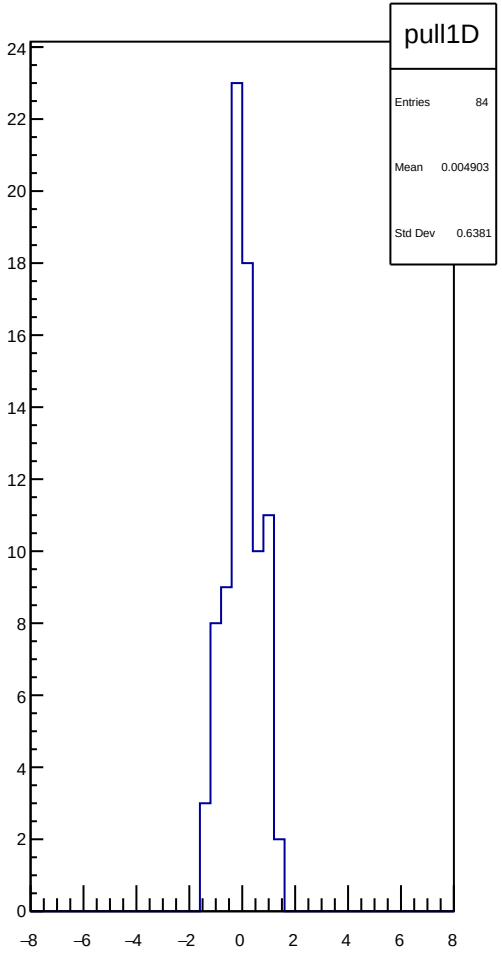

pull1D
Entries 84
Mean −0.004751
Std Dev 0.8608

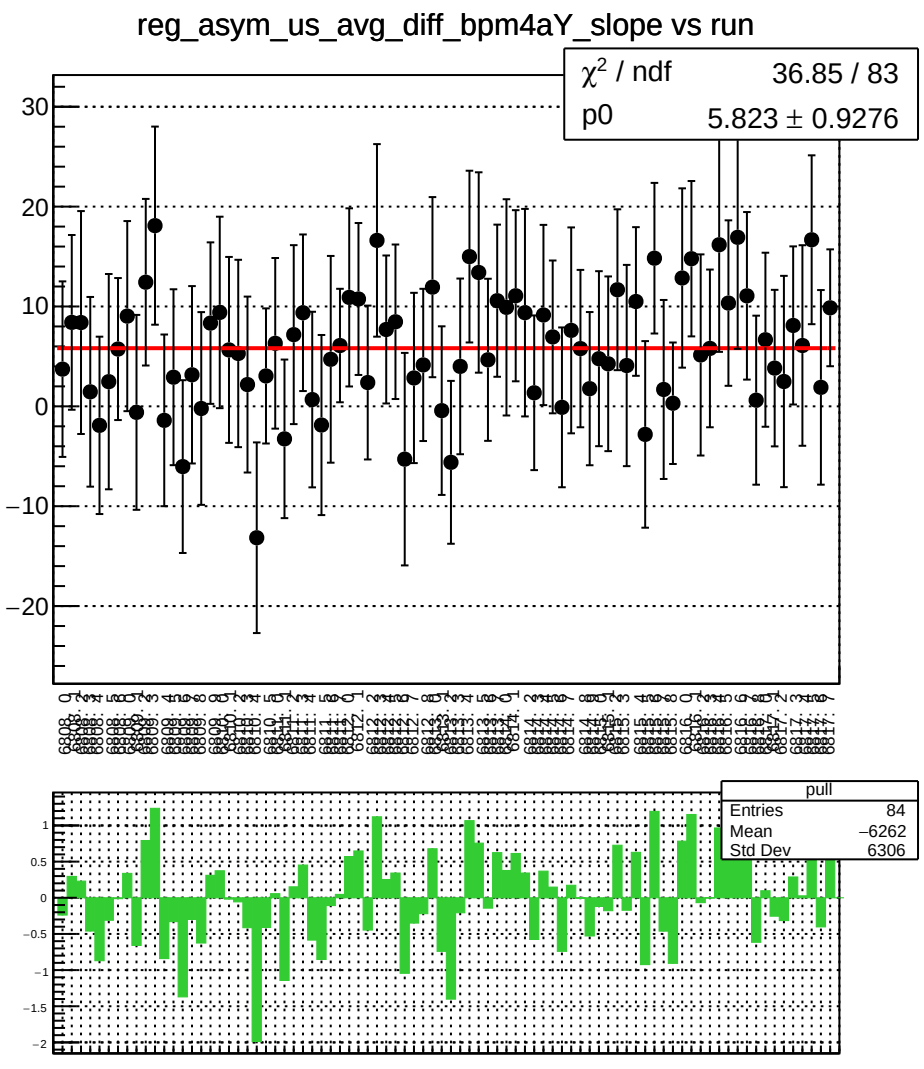

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 53.76 / 83
p0 −0.03232 ± 0.1186
pull
Entries 84
Mean 515.9
Std Dev 499.9

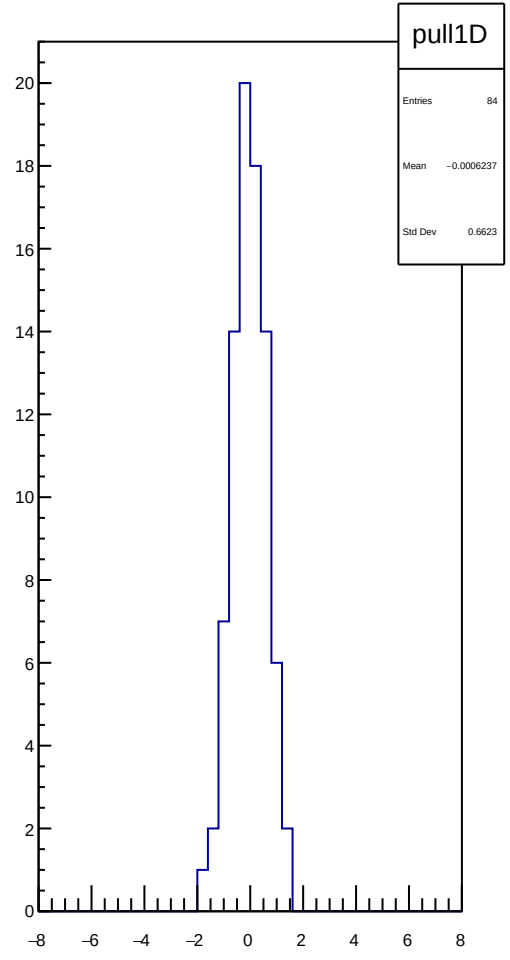

pull1D
Entries 84
Mean −0.002156
Std Dev 0.8

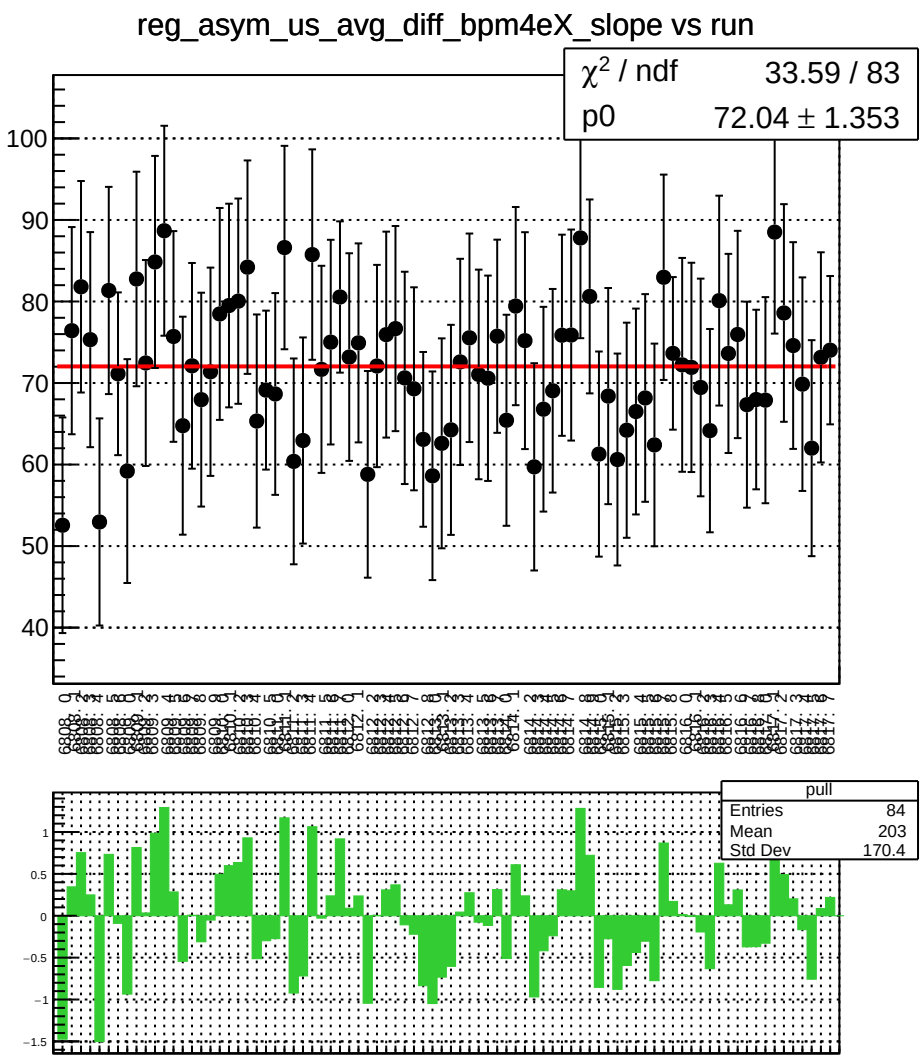

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 82.83 / 83
p0 0.009908 ± 0.006201
pull
Entries 84
Mean −242.9
Std Dev 283.6
pull1D
Entries 84
Mean 0.003621
Std Dev 0.993

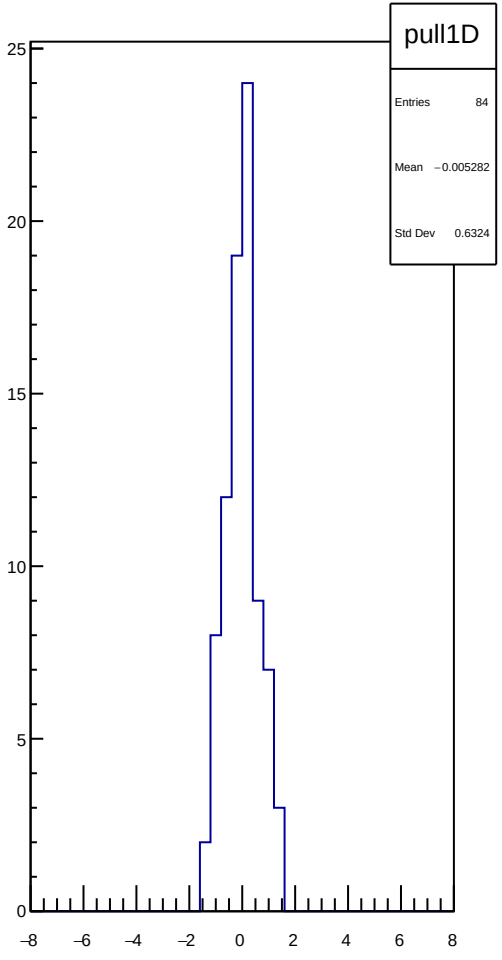

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 34.2 / 83
p0 −77.16 ± 1.447
pull
Entries 84
Mean 305.9
Std Dev 270.6

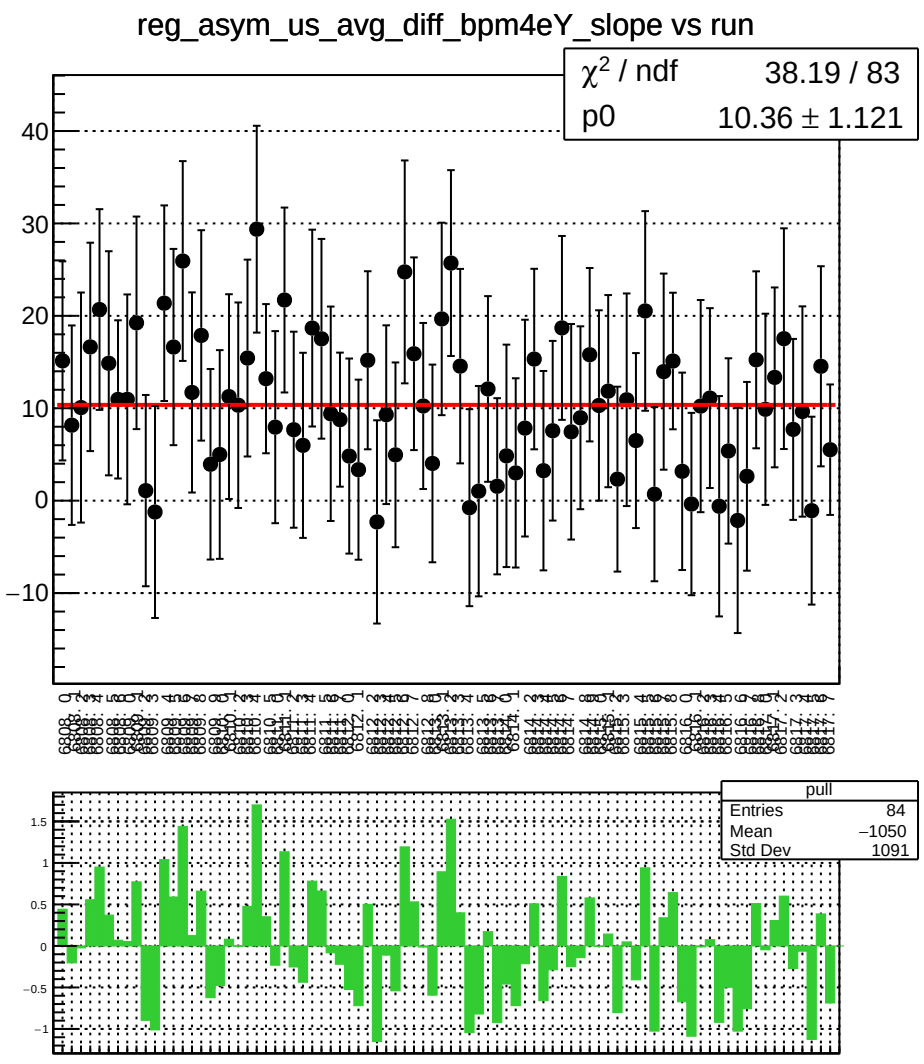

pull1D
Entries 84
Mean 0.004903
Std Dev 0.6381

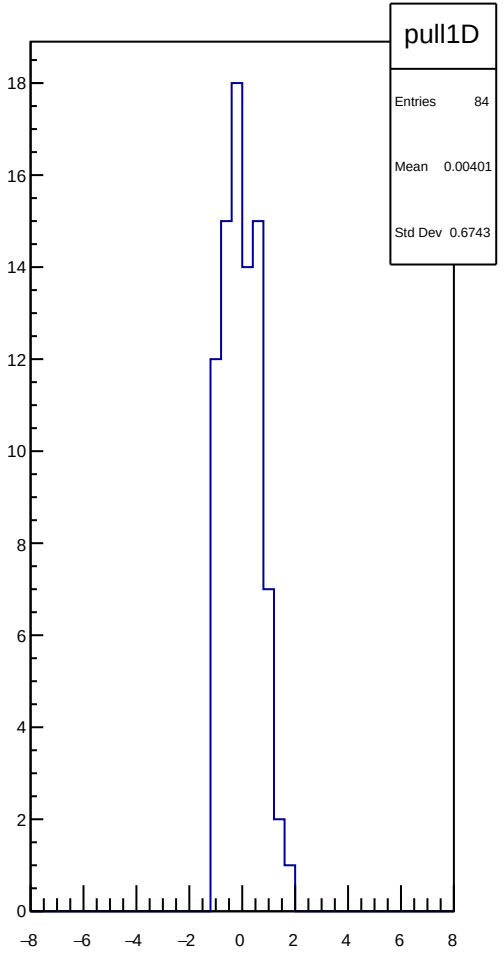

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.85 / 83
p0 5.823 ± 0.9276
pull
Entries 84
Mean −6262
Std Dev 6306

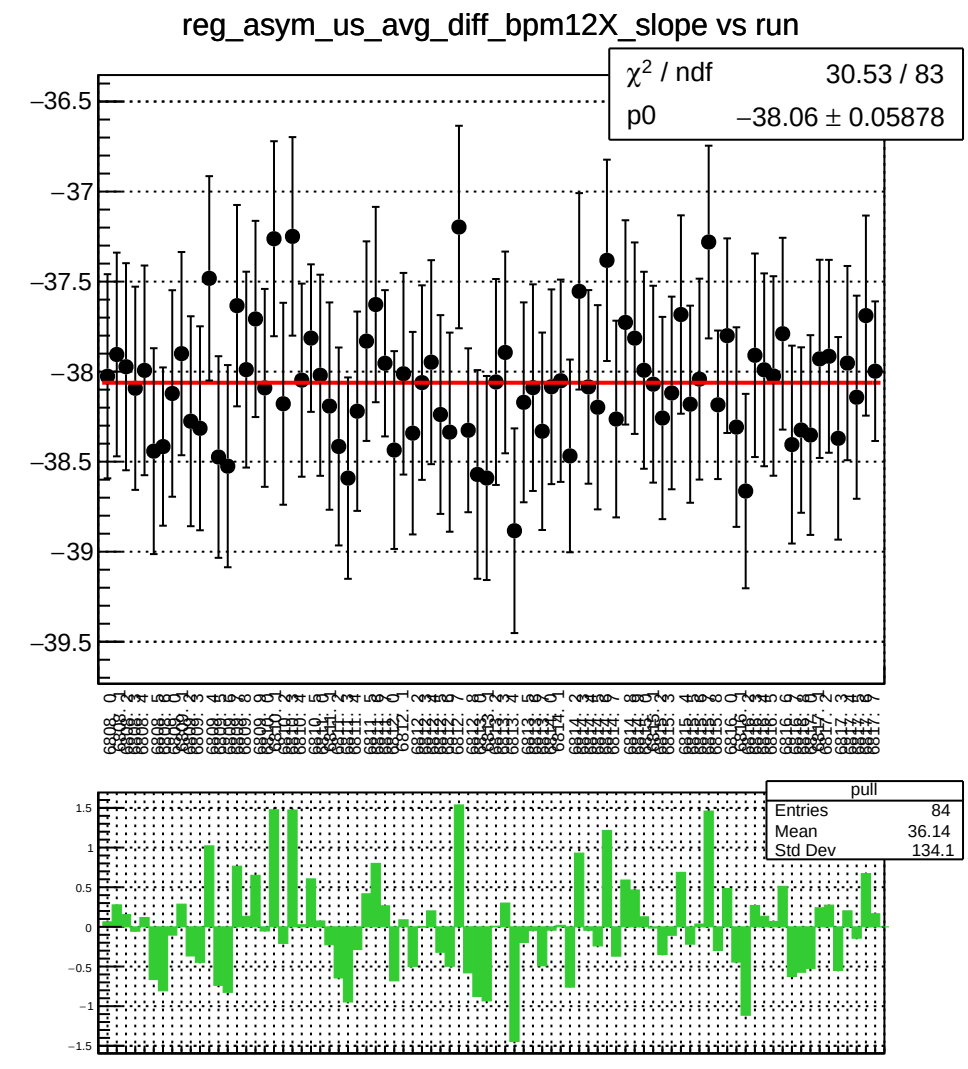

pull1D
Entries 84
Mean −0.0006237
Std Dev 0.6623

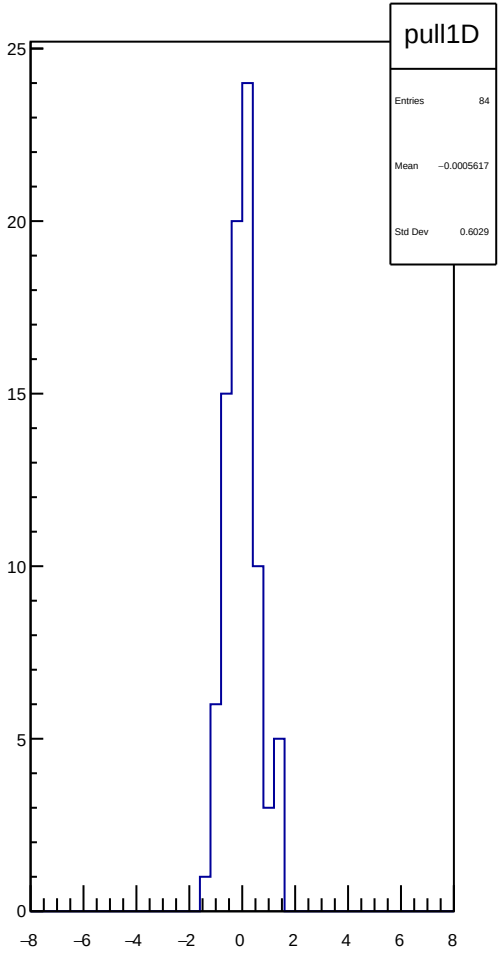

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.59 / 83
p0 72.04 ± 1.353
pull
Entries 84
Mean 203
Std Dev 170.4

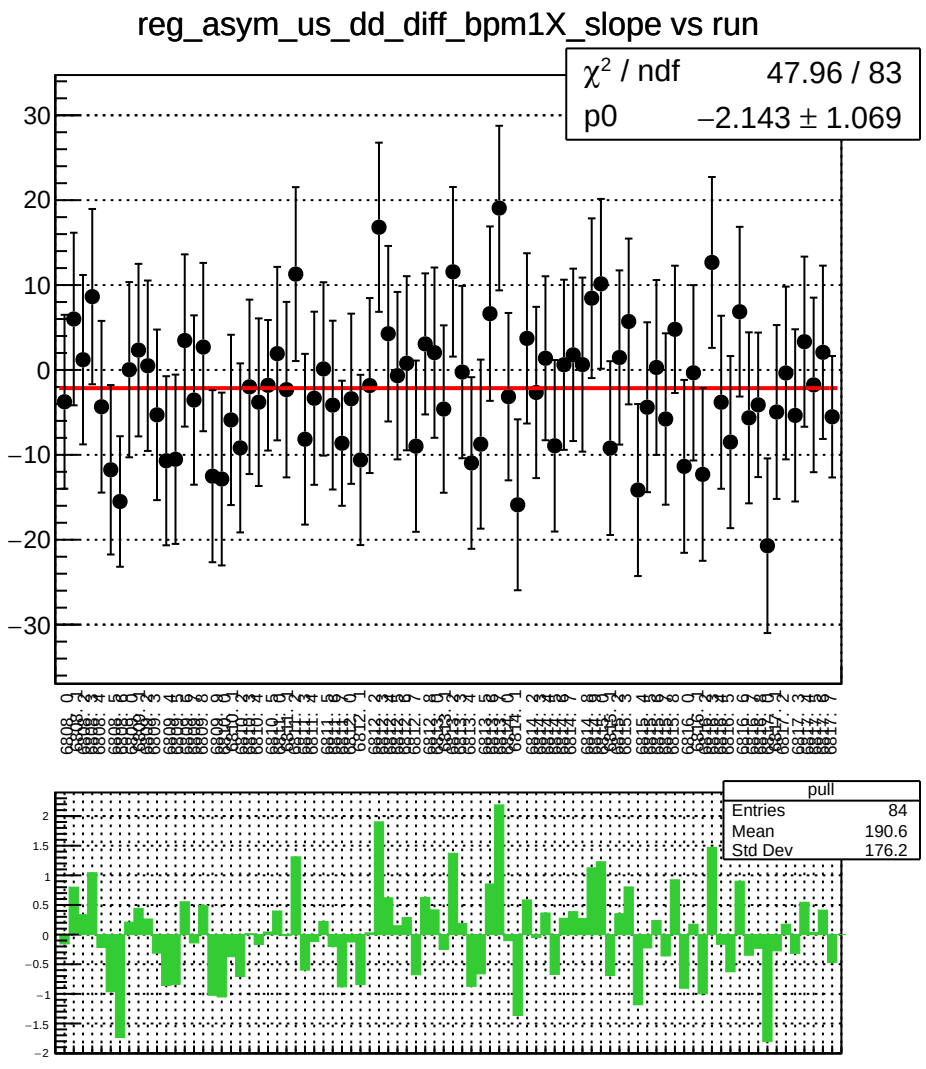

pull1D
Entries 84
Mean −0.005282
Std Dev 0.6324

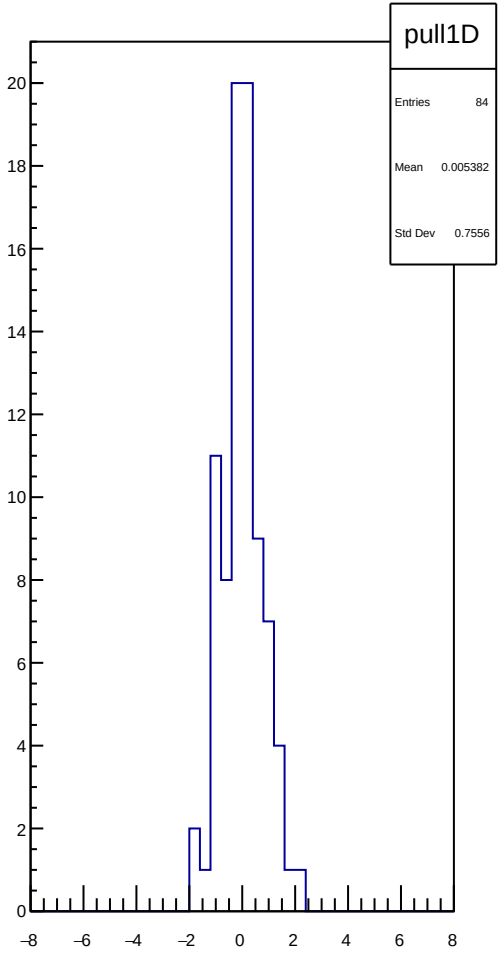

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.19 / 83
p0 10.36 ± 1.121
pull
Entries 84
Mean −1050
Std Dev 1091

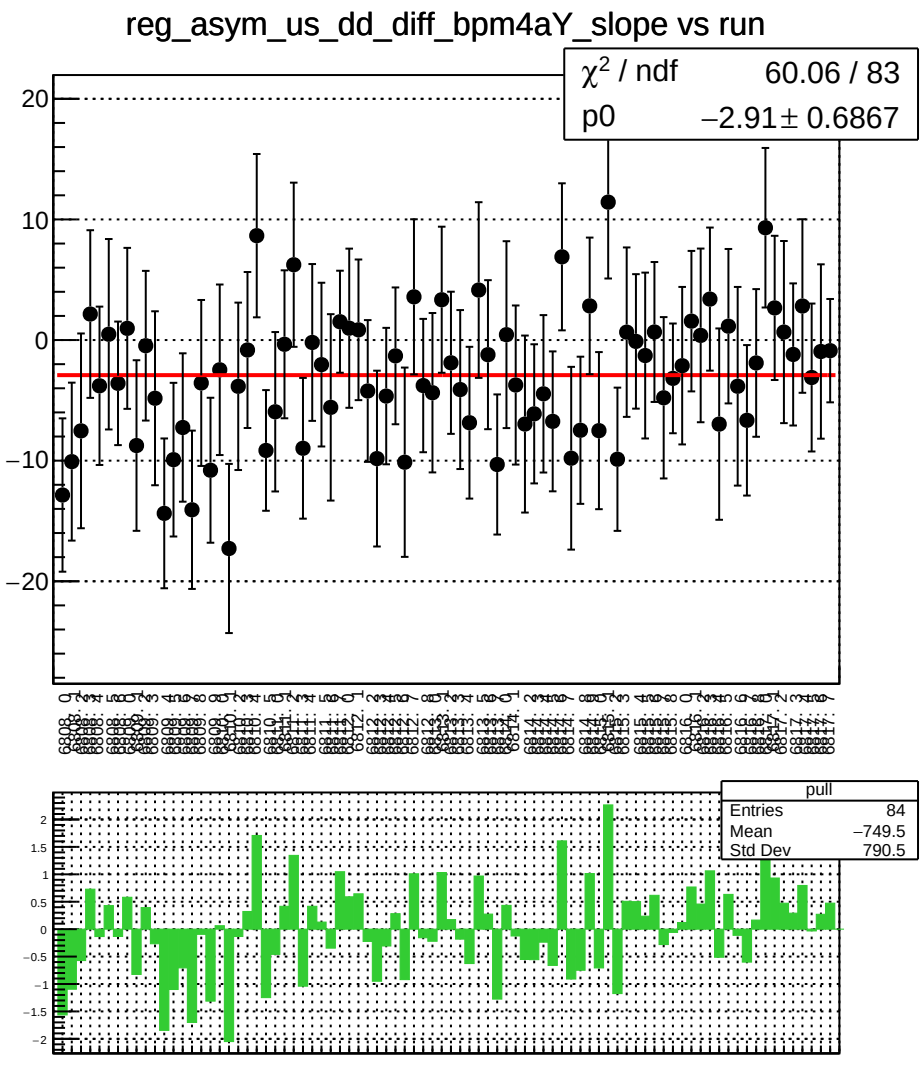

pull1D
Entries 84
Mean 0.00401
Std Dev 0.6743

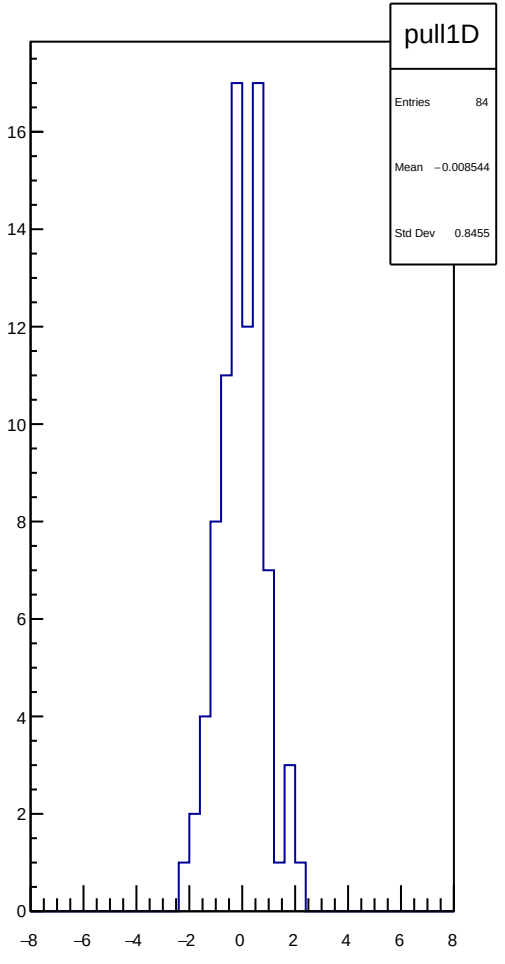

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 30.53 / 83
p0 −38.06 ± 0.05878
pull
Entries 84
Mean 36.14
Std Dev 134.1

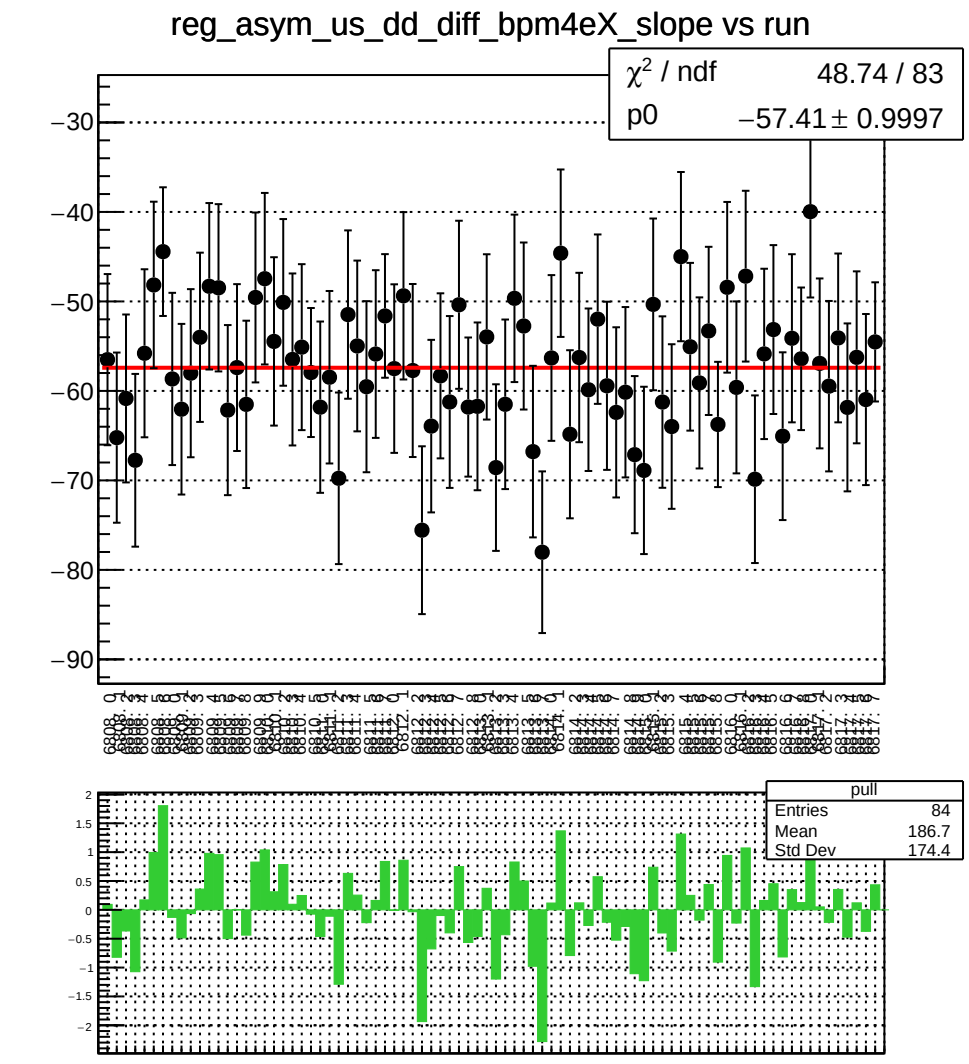

pull1D
Entries 84
Mean −0.0005617
Std Dev 0.6029

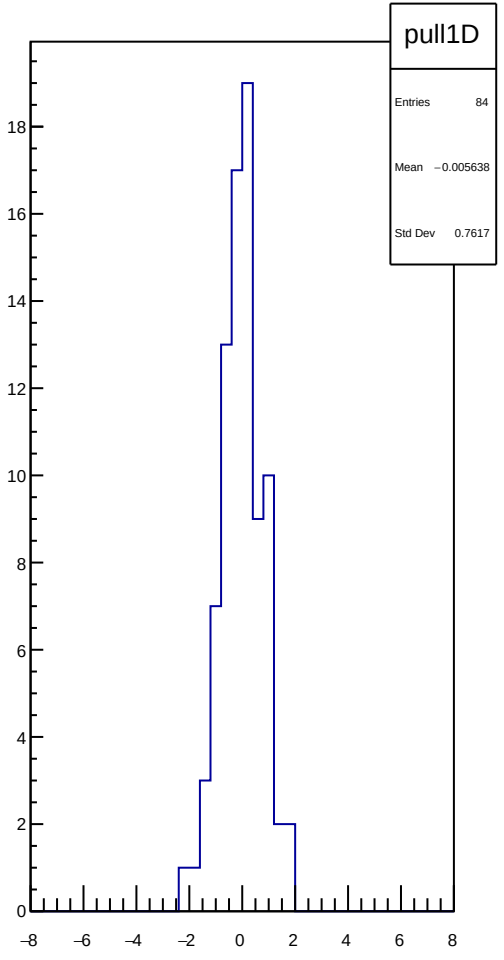

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 47.96 / 83
p0 −2.143 ± 1.069
pull
Entries 84
Mean 190.6
Std Dev 176.2

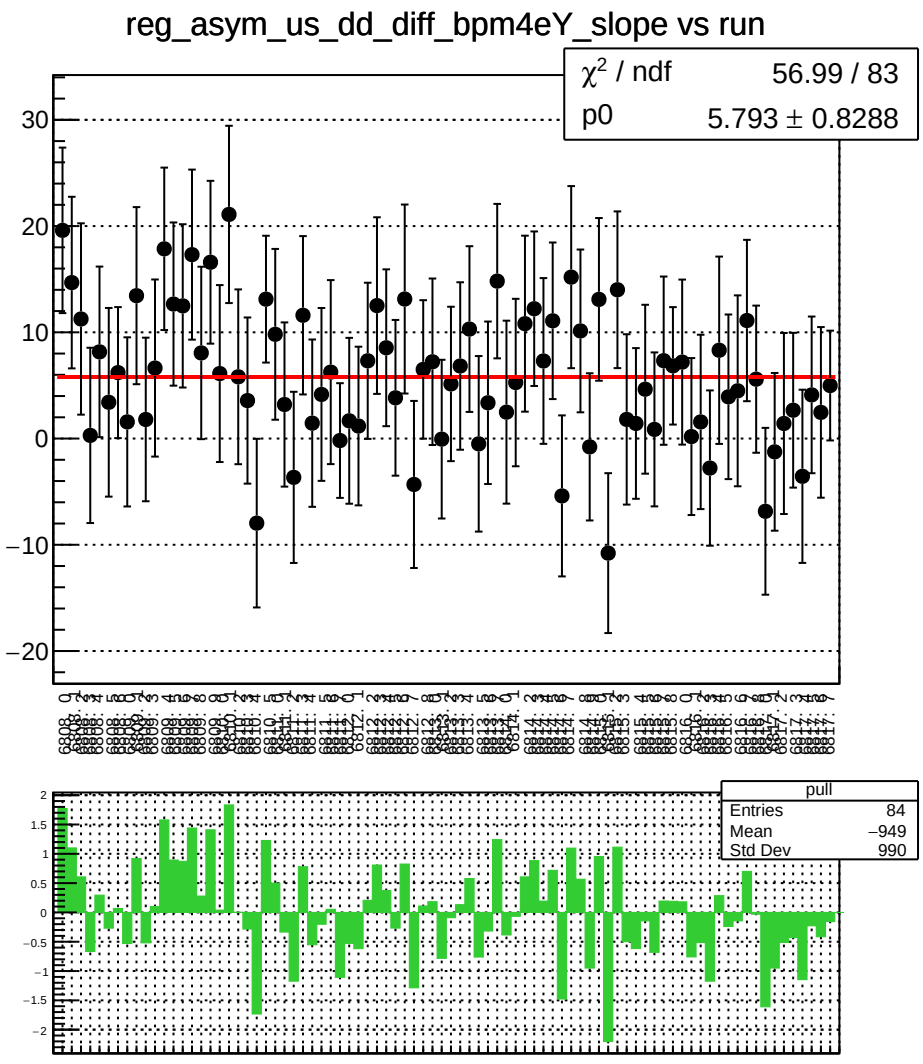

pull1D
Entries 84
Mean 0.005382
Std Dev 0.7556

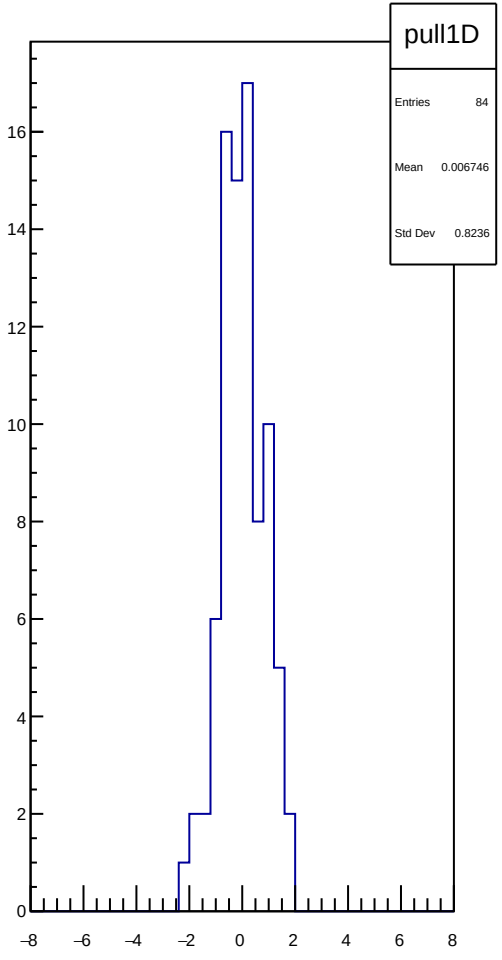

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.06 / 83
p0 −2.91 ± 0.6867
pull
Entries 84
Mean −749.5
Std Dev 790.5

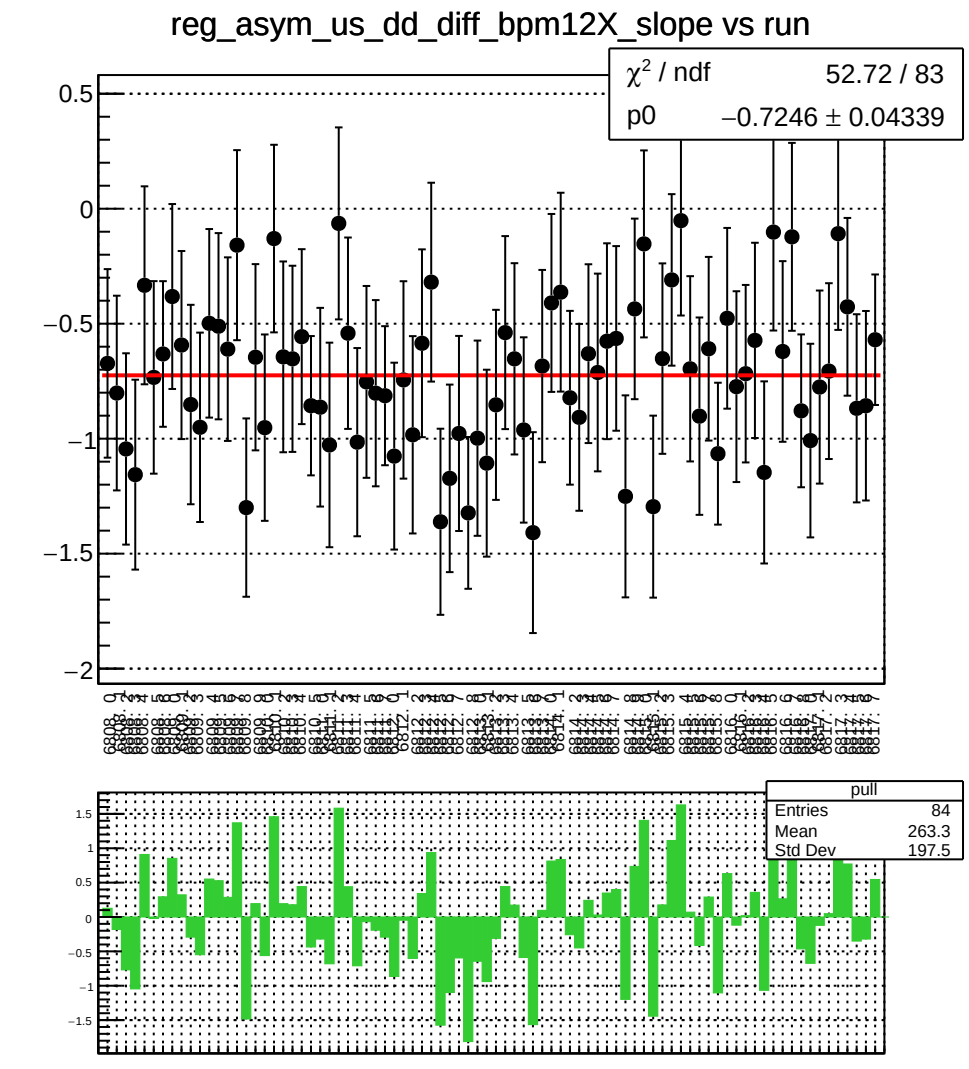

pull1D
Entries 84
Mean −0.008544
Std Dev 0.8455

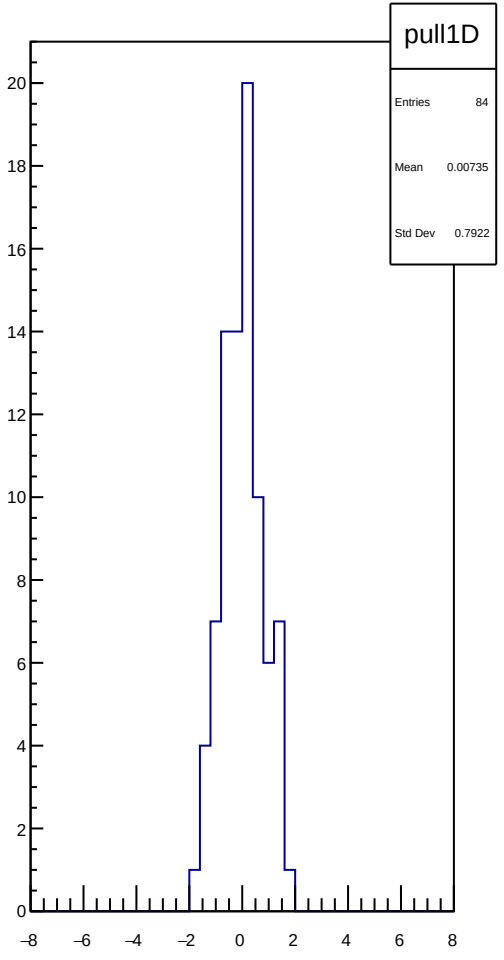

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.74 / 83
p0 −57.41 ± 0.9997
pull
Entries 84
Mean 186.7
Std Dev 174.4

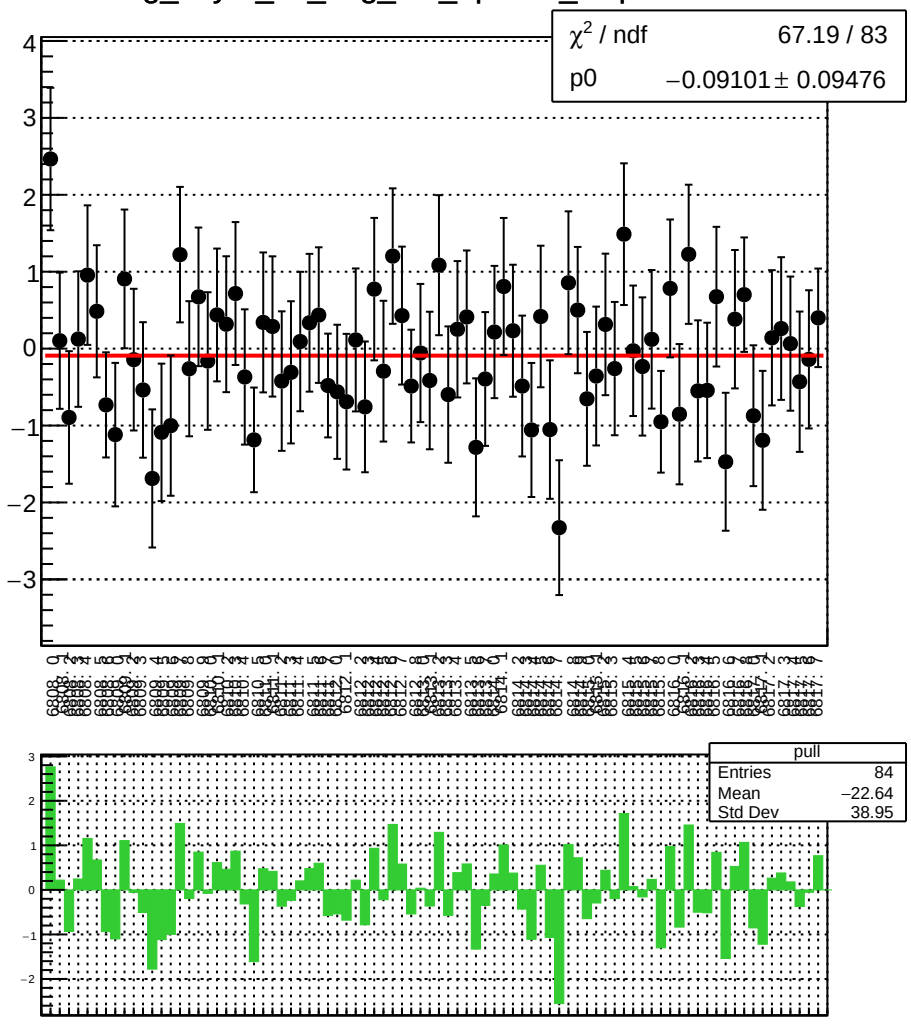

pull1D
Entries 84
Mean −0.005638
Std Dev 0.7617

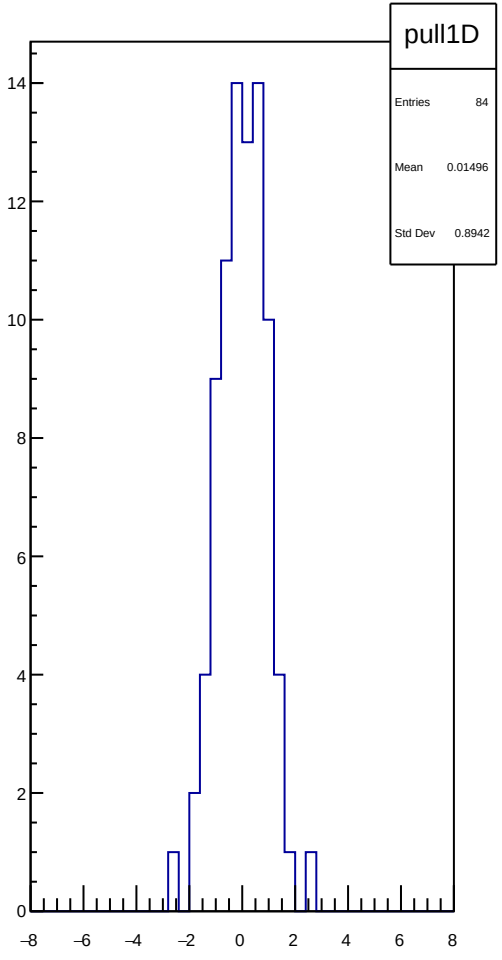

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.99 / 83
p0 5.793 ± 0.8288
pull
Entries 84
Mean −949
Std Dev 990

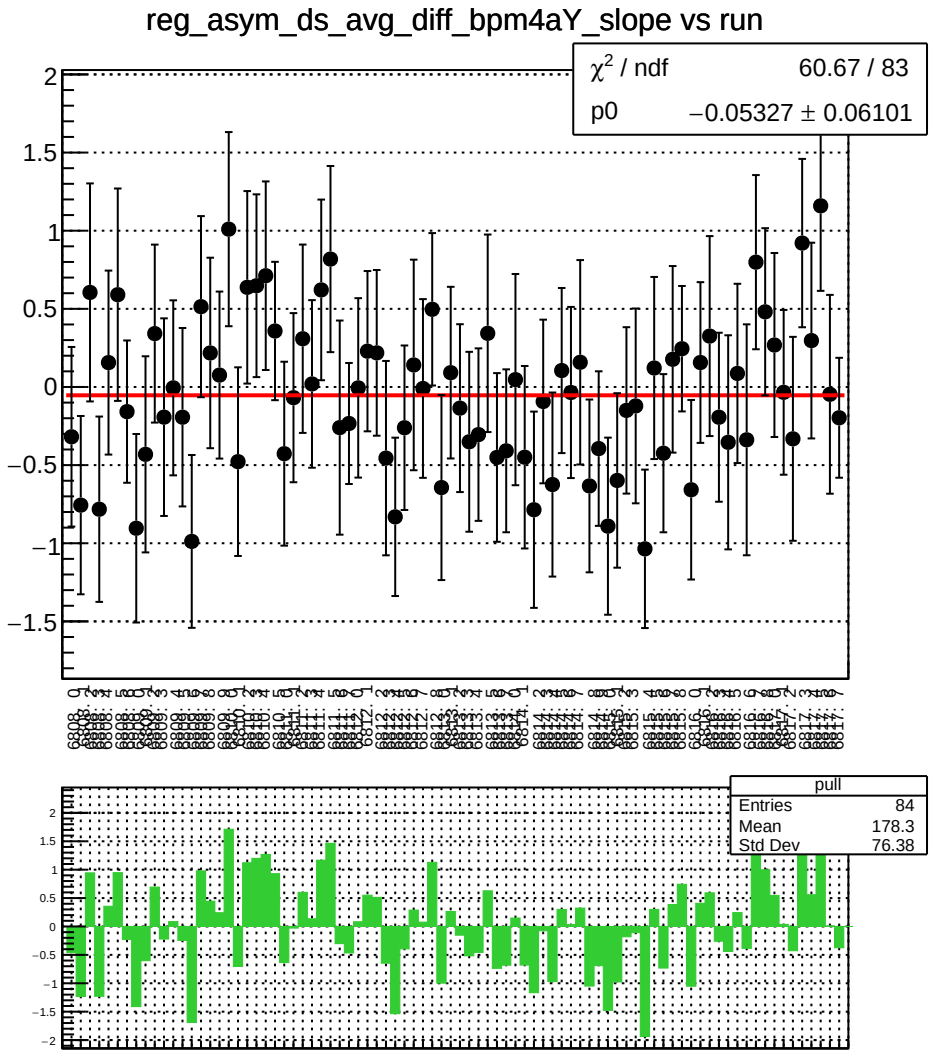

pull1D
Entries 84
Mean 0.006746
Std Dev 0.8236

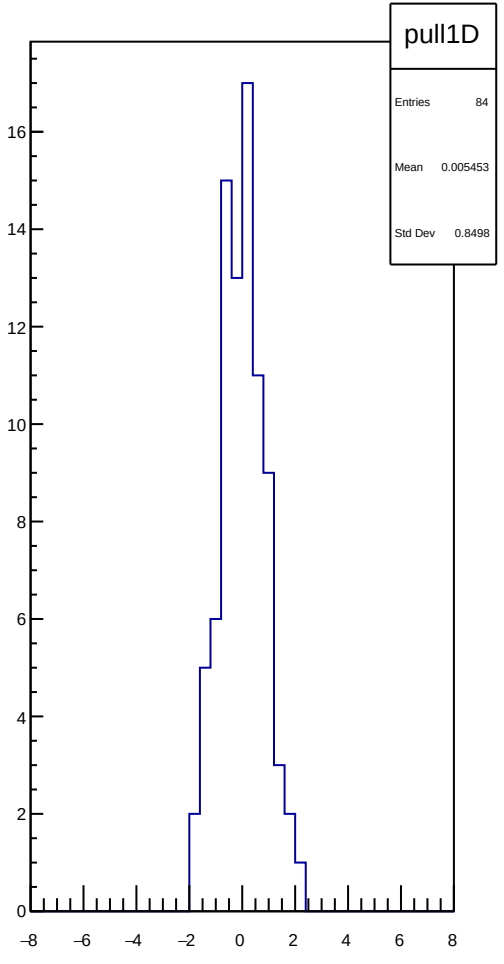

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 52.72 / 83
p0 −0.7246 ± 0.04339
pull
Entries 84
Mean 263.3
Std Dev 197.5

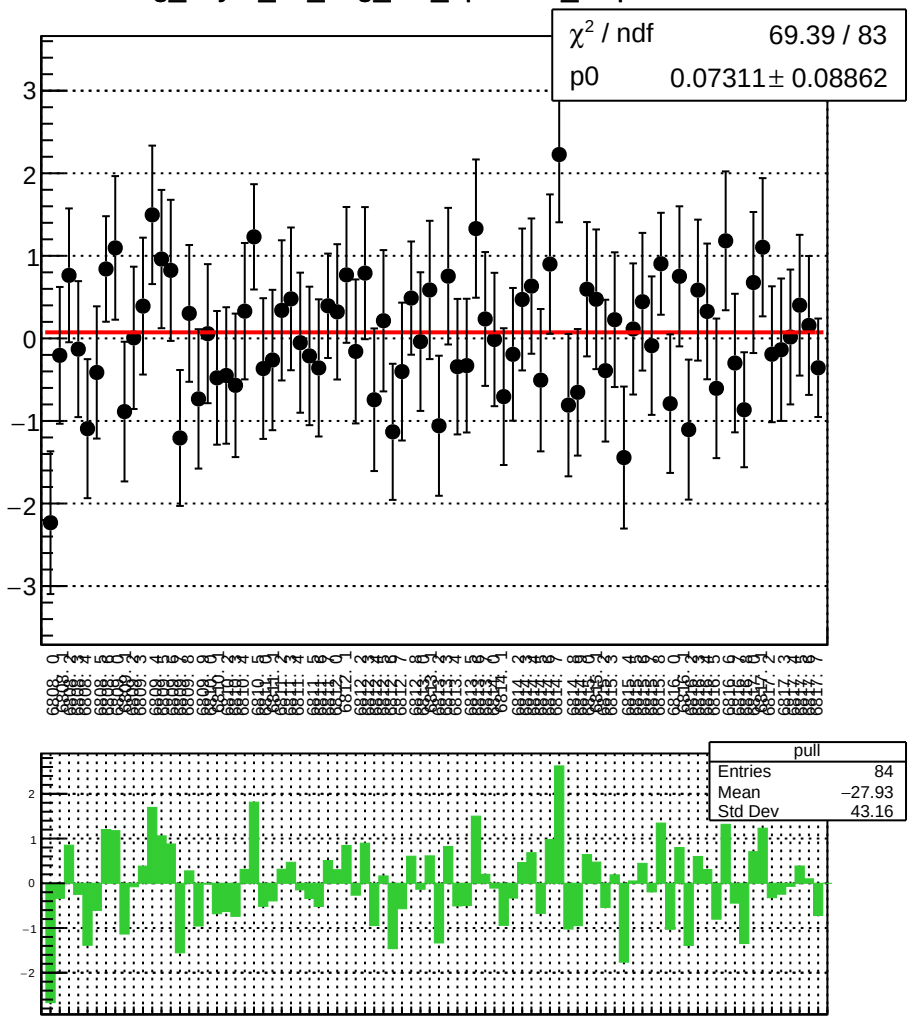

pull1D
Entries 84
Mean 0.00735
Std Dev 0.7922

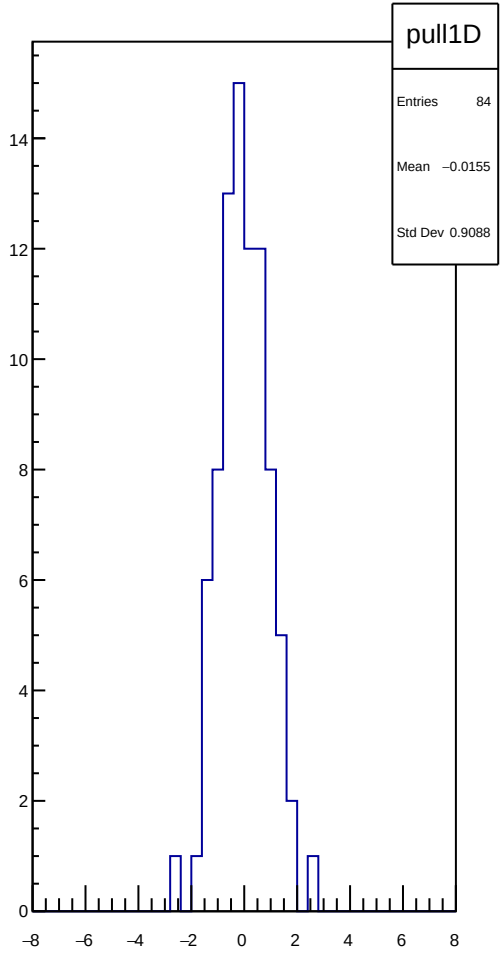

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 67.19 / 83
p0 −0.09101 ± 0.09476
pull
Entries 84
Mean −22.64
Std Dev 38.95

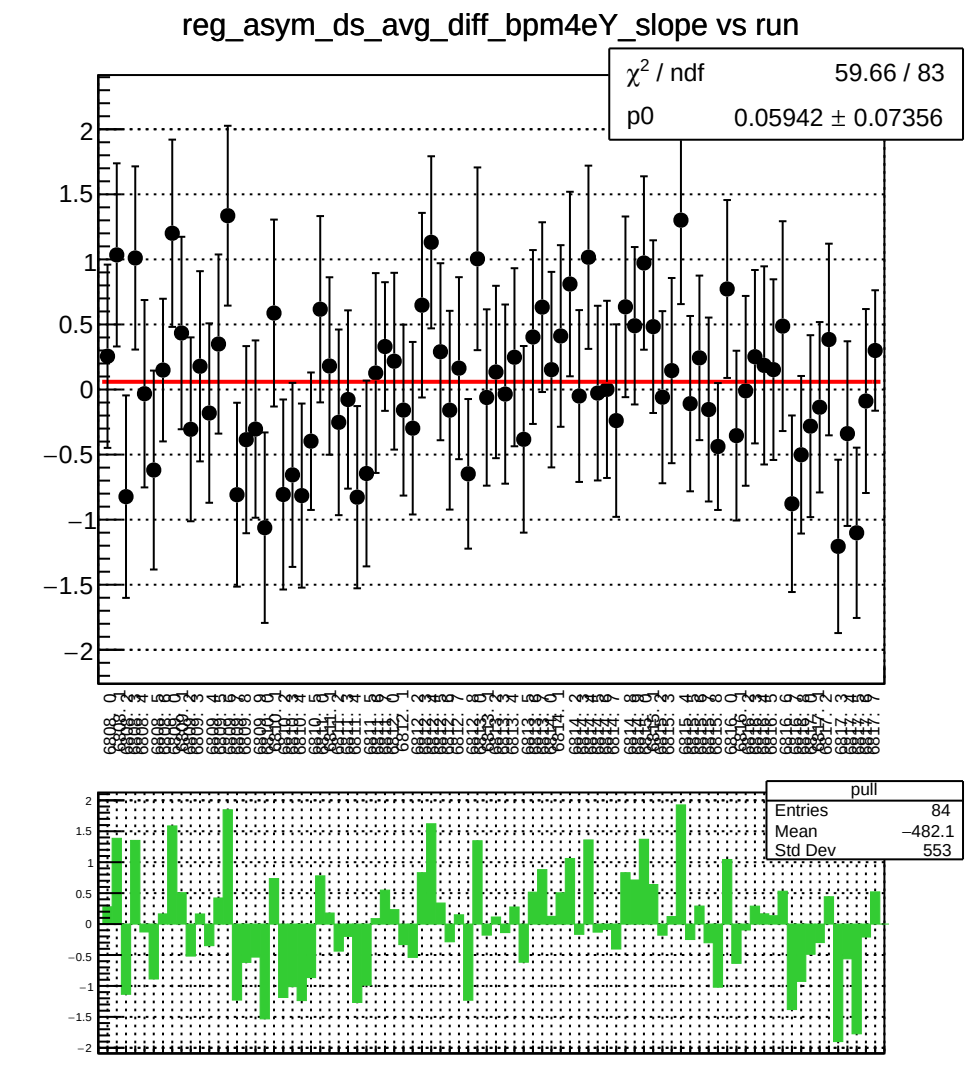

pull1D
Entries 84
Mean 0.01496
Std Dev 0.8942

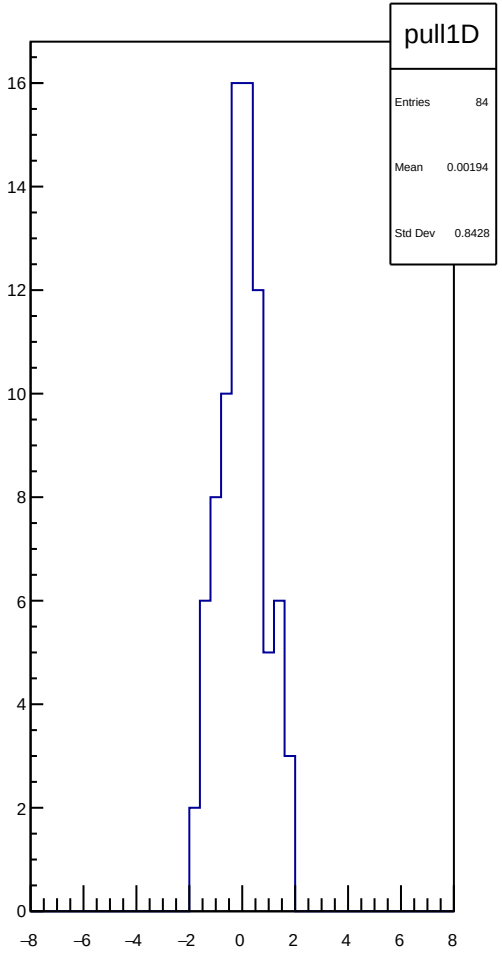

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.67 / 83
p0 −0.05327 ± 0.06101
pull
Entries 84
Mean 178.3
Std Dev 76.38

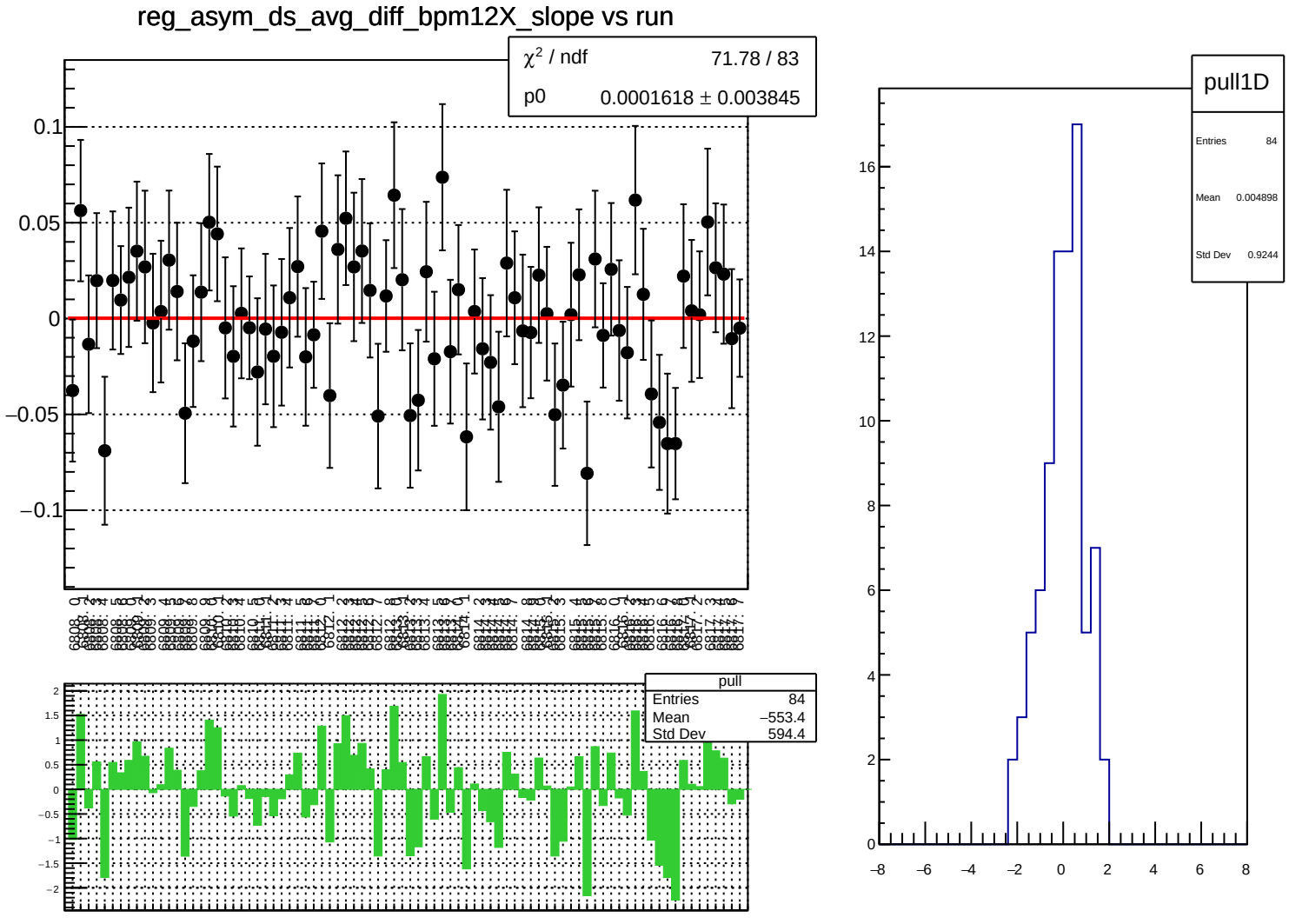

pull1D
Entries 84
Mean 0.005453
Std Dev 0.8498

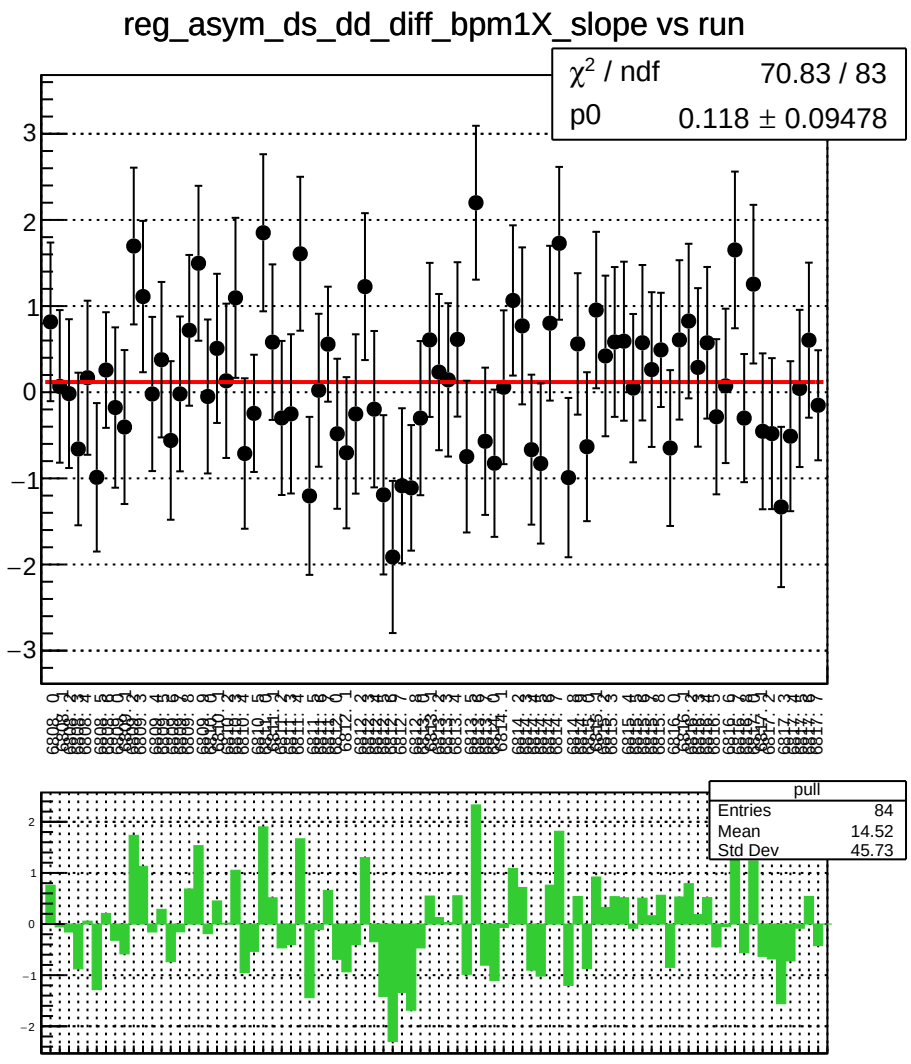

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.39 / 83
p0 0.07311 ± 0.08862
pull
Entries 84
Mean −27.93
Std Dev 43.16

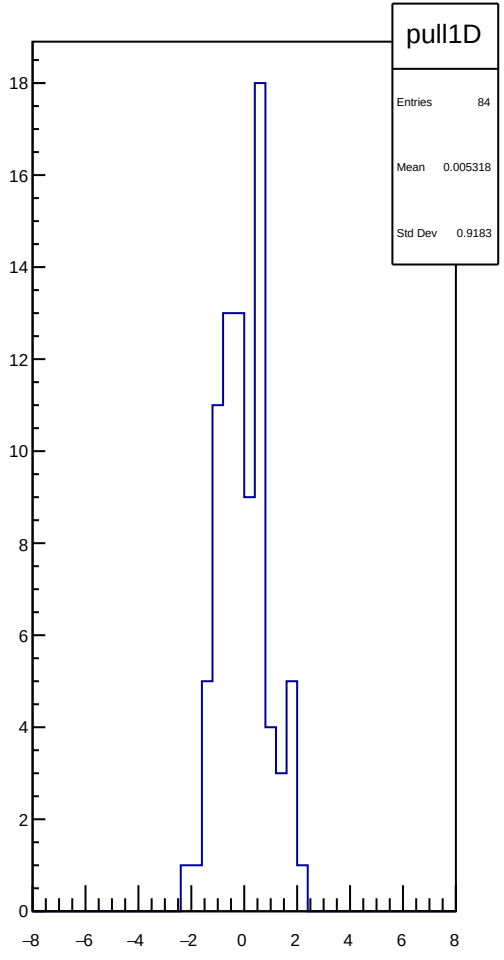

pull1D
Entries 84
Mean −0.0155
Std Dev 0.9088

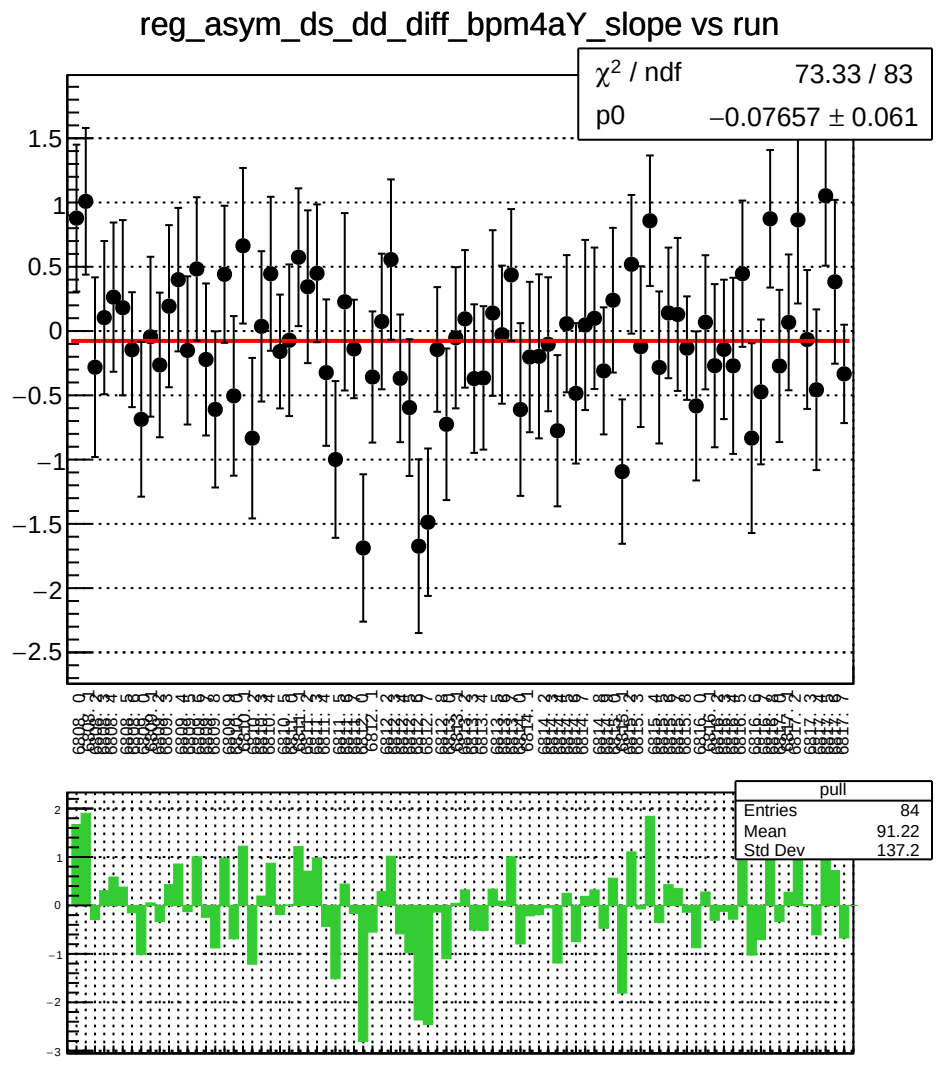

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.66 / 83
p0 0.05942 ± 0.07356
pull
Entries 84
Mean −482.1
Std Dev 553

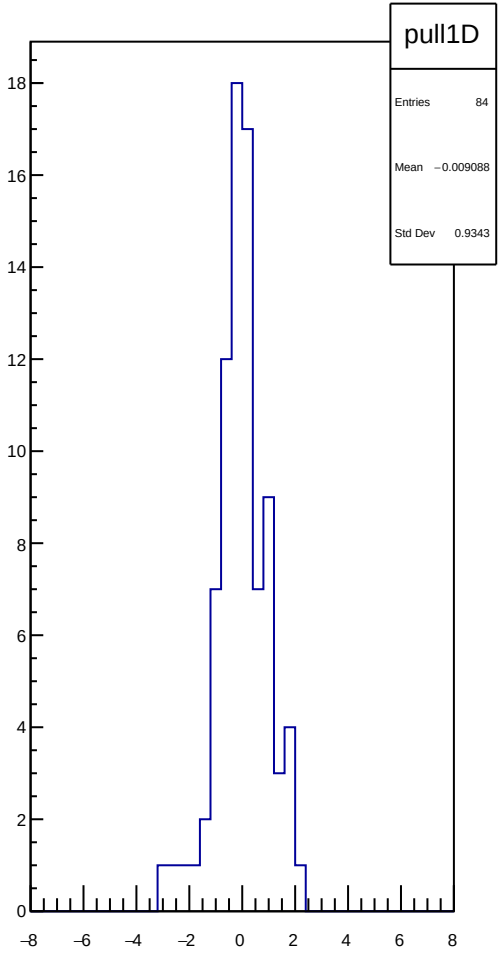

pull1D
Entries 84
Mean 0.00194
Std Dev 0.8428

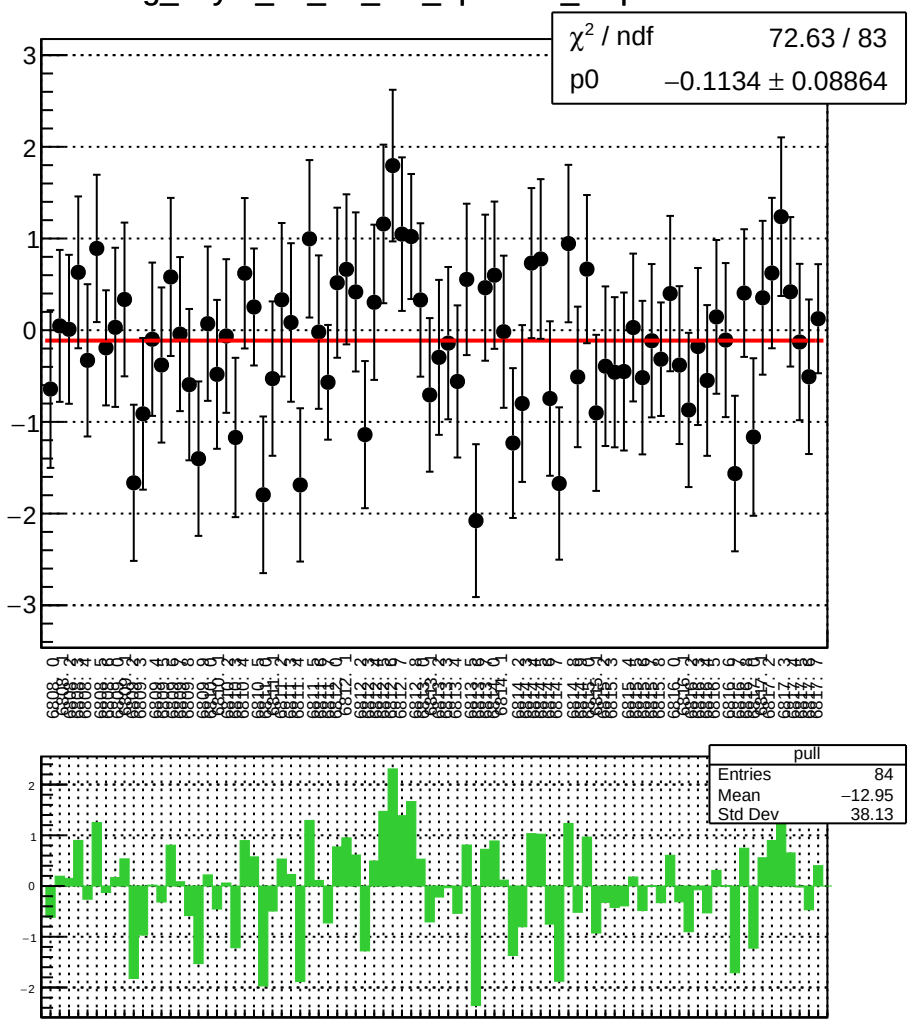

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 71.78 / 83
p0 0.0001618 ± 0.003845
0.1
0.05
0
−0.05
−0.1
pull
Entries 84
Mean −553.4
Std Dev 594.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean 0.004898
Std Dev 0.9244
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

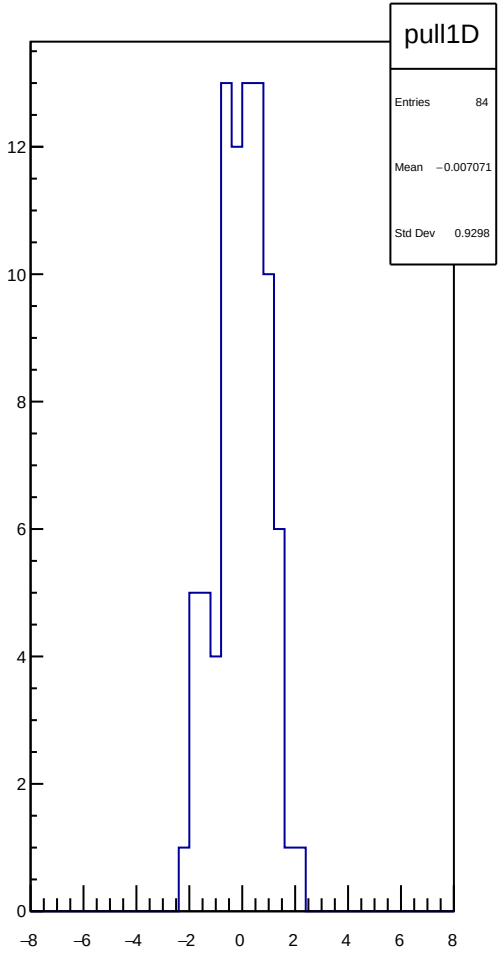

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 70.83 / 83
p0 0.118 ± 0.09478
pull
Entries 84
Mean 14.52
Std Dev 45.73

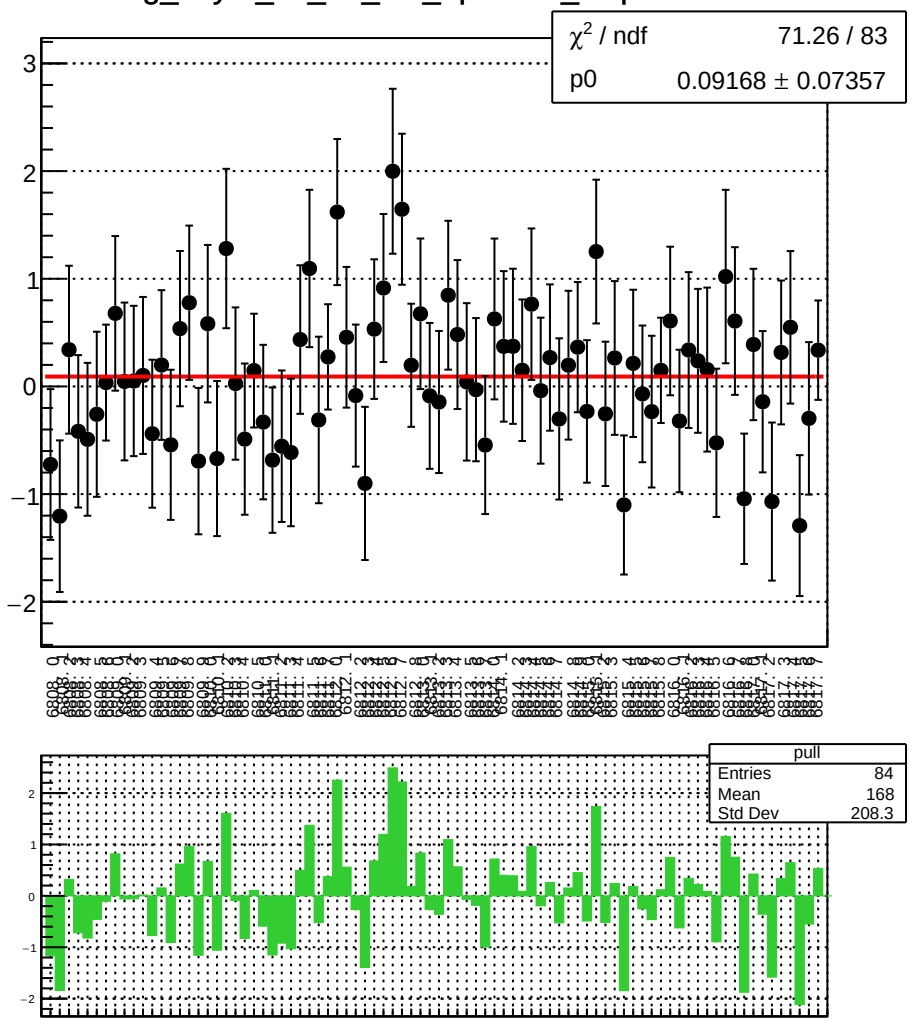

pull1D
Entries 84
Mean 0.005318
Std Dev 0.9183

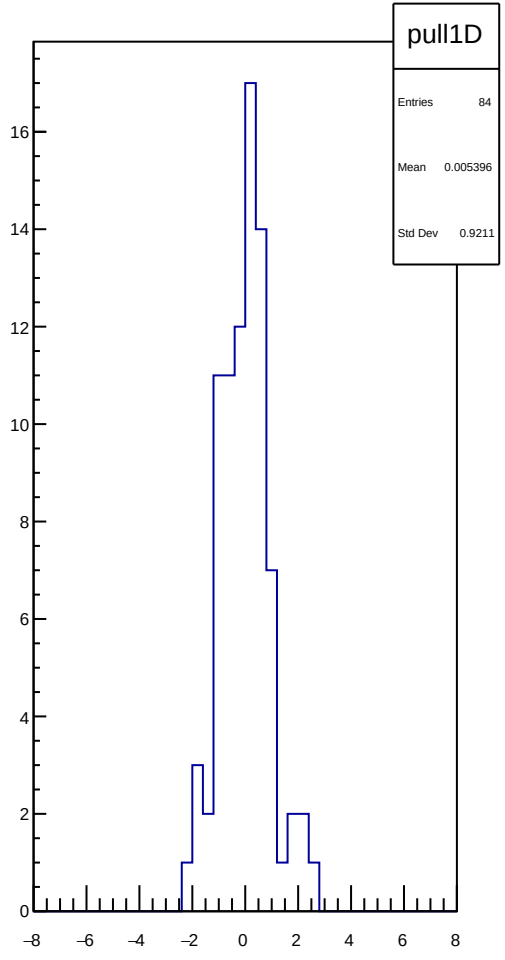

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 73.33 / 83
p0 −0.07657 ± 0.061
pull
Entries 84
Mean 91.22
Std Dev 137.2

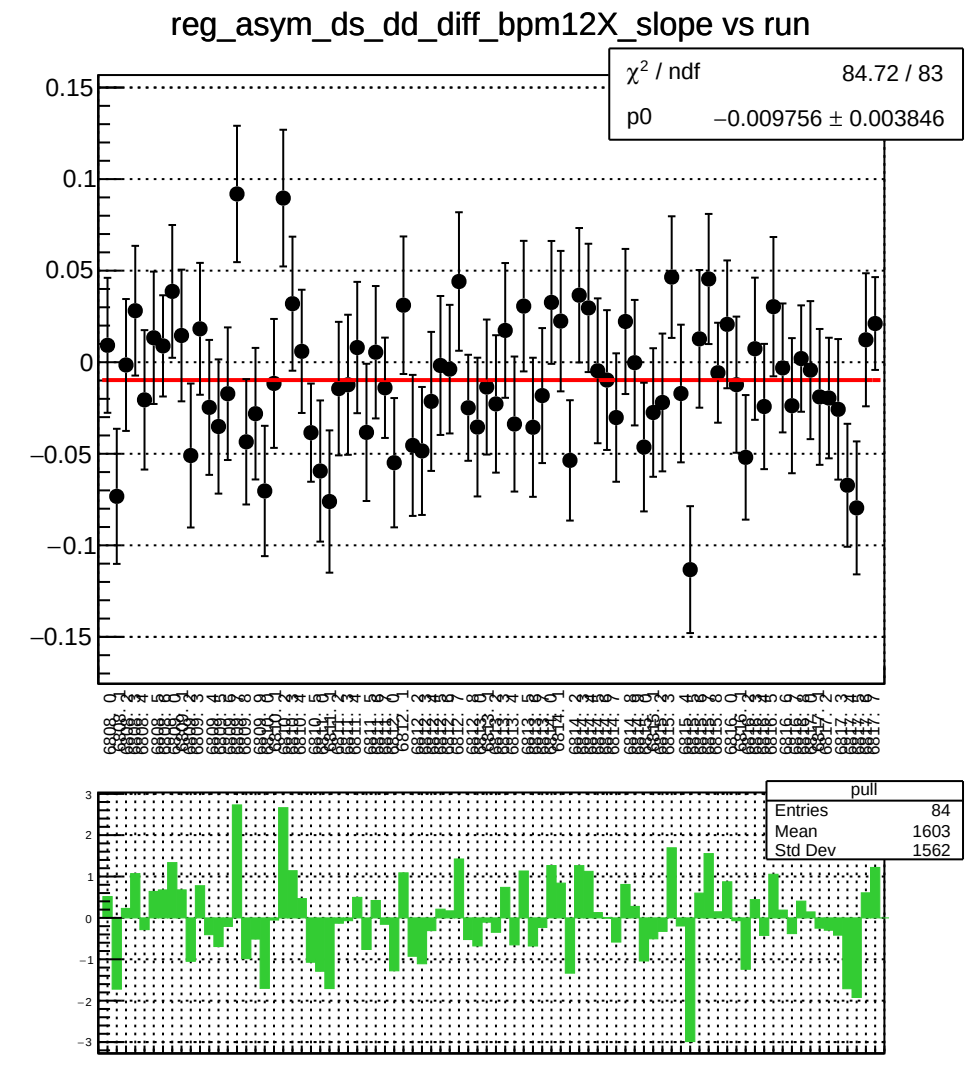

pull1D
Entries 84
Mean −0.009088
Std Dev 0.9343

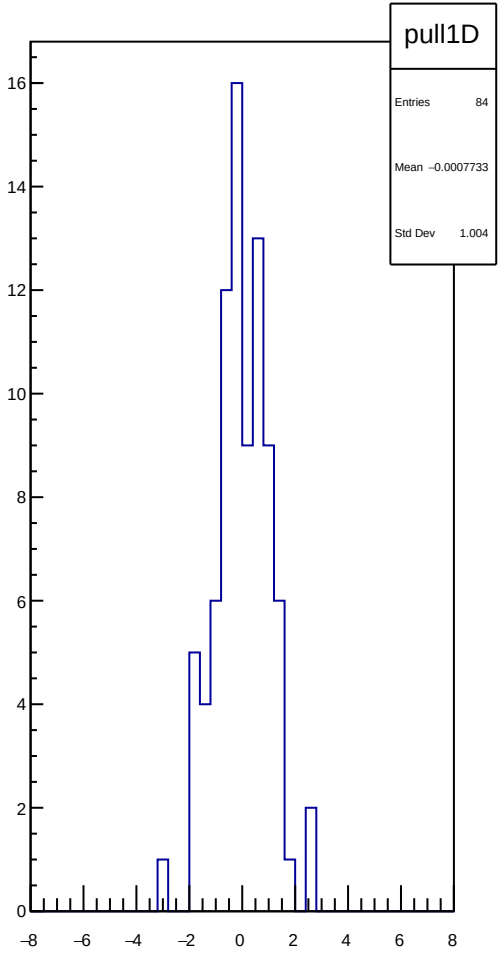

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.63 / 83
p0 −0.1134 ± 0.08864
pull
Entries 84
Mean −12.95
Std Dev 38.13

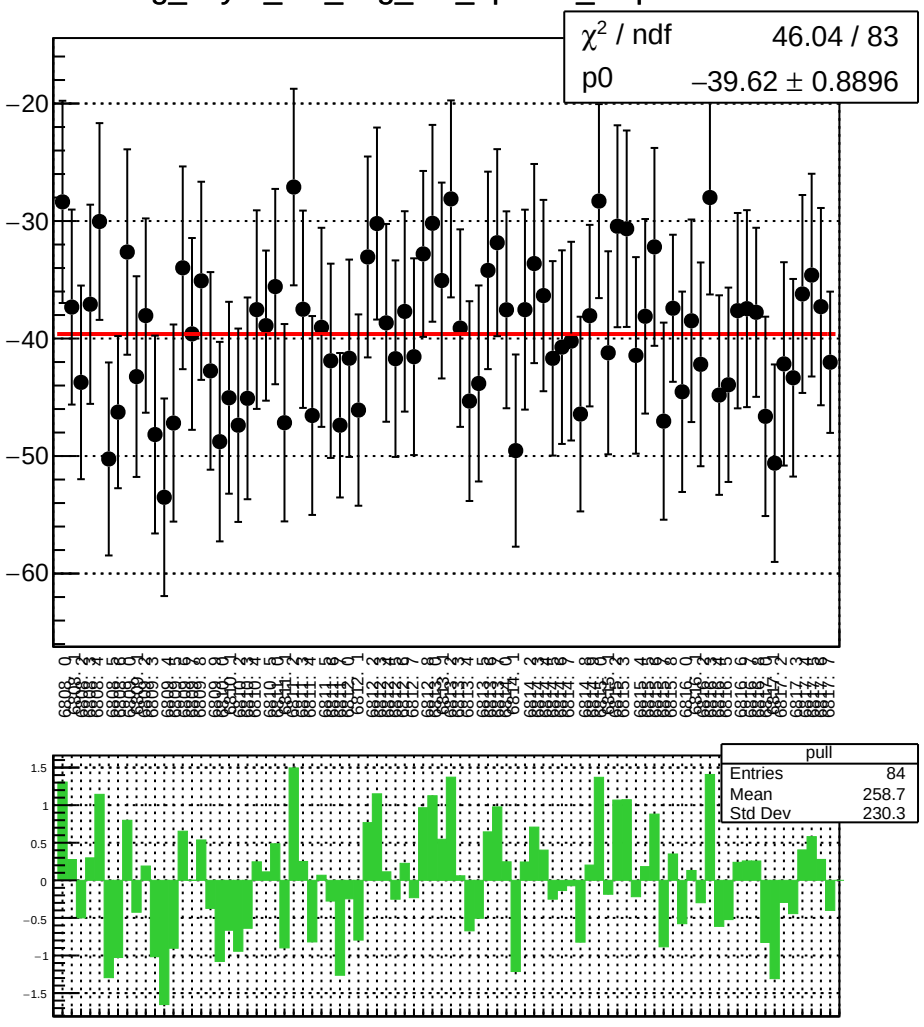

pull1D
Entries 84
Mean −0.007071
Std Dev 0.9298

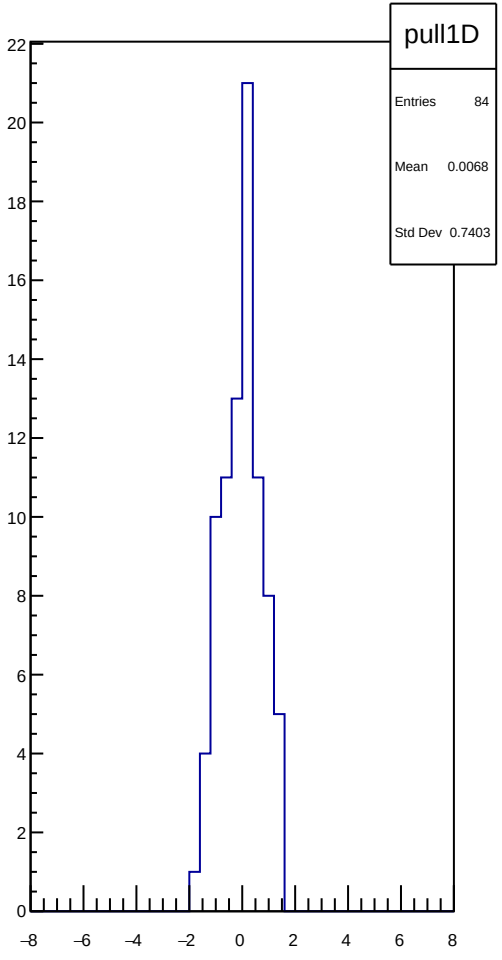

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.26 / 83
p0 0.09168 ± 0.07357
pull
Entries 84
Mean 168
Std Dev 208.3

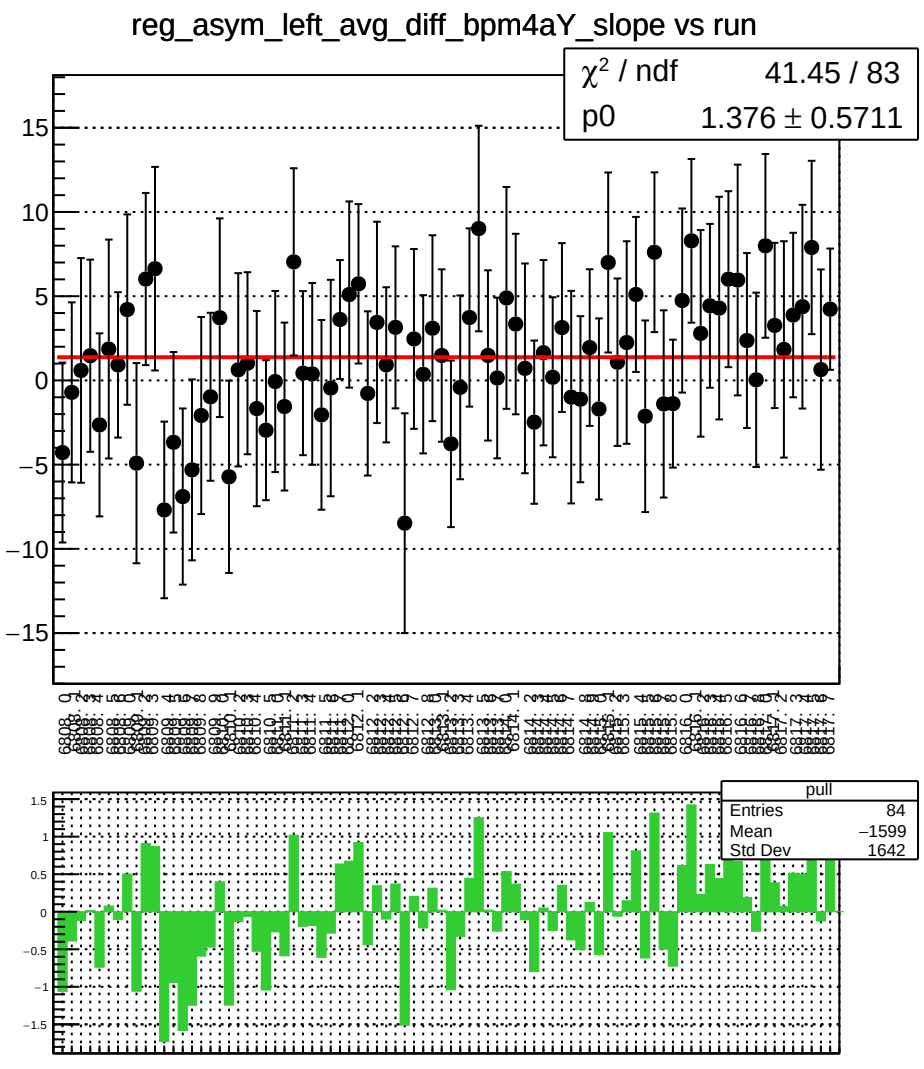

pull1D
Entries 84
Mean 0.005396
Std Dev 0.9211

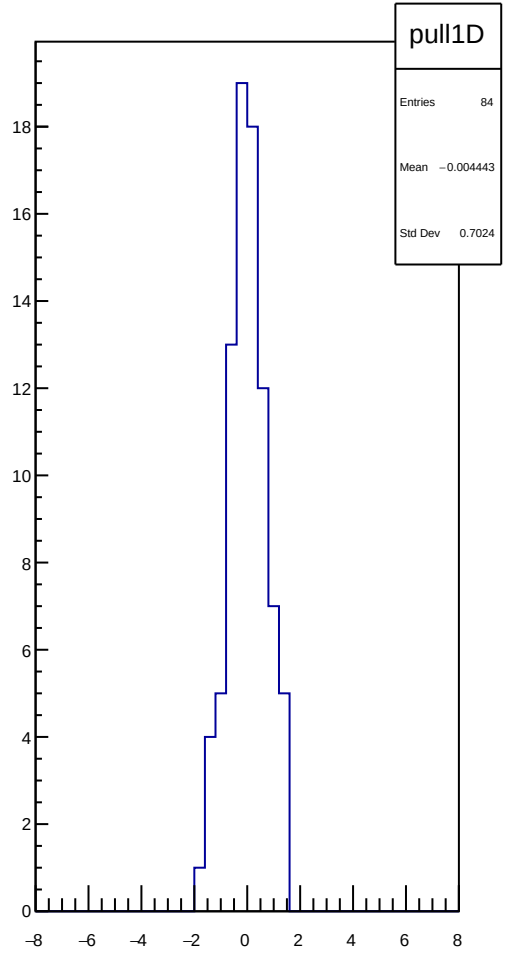

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 84.72 / 83
p0 −0.009756 ± 0.003846
pull
Entries 84
Mean 1603
Std Dev 1562

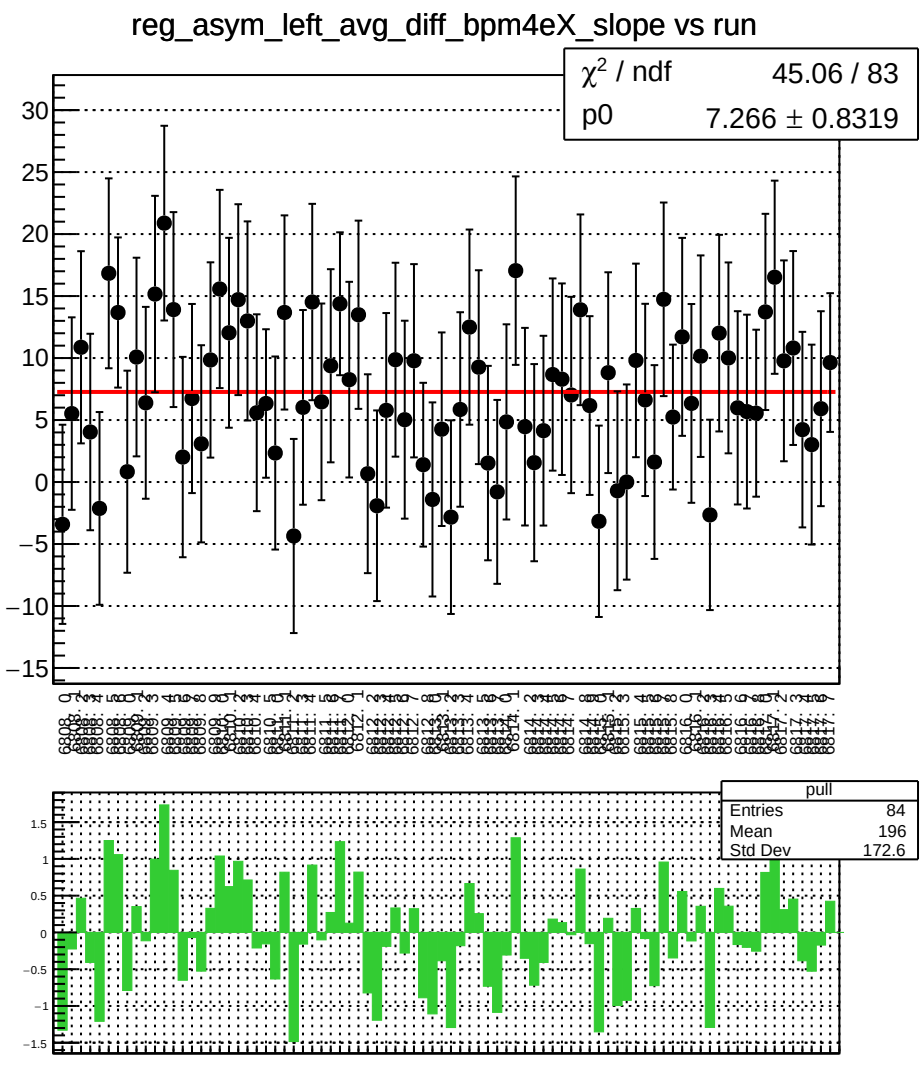

pull1D
Entries 84
Mean −0.0007733
Std Dev 1.004

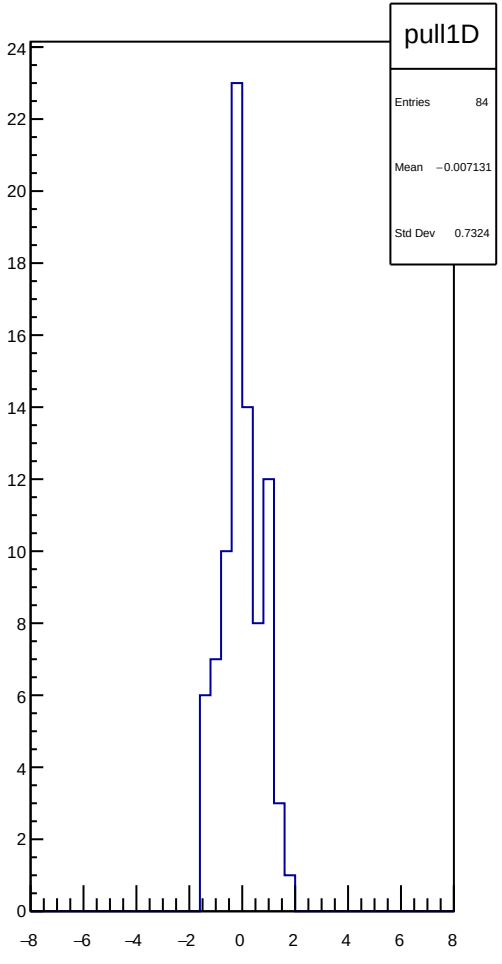

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 46.04 / 83
p0 −39.62 ± 0.8896
pull
Entries 84
Mean 258.7
Std Dev 230.3

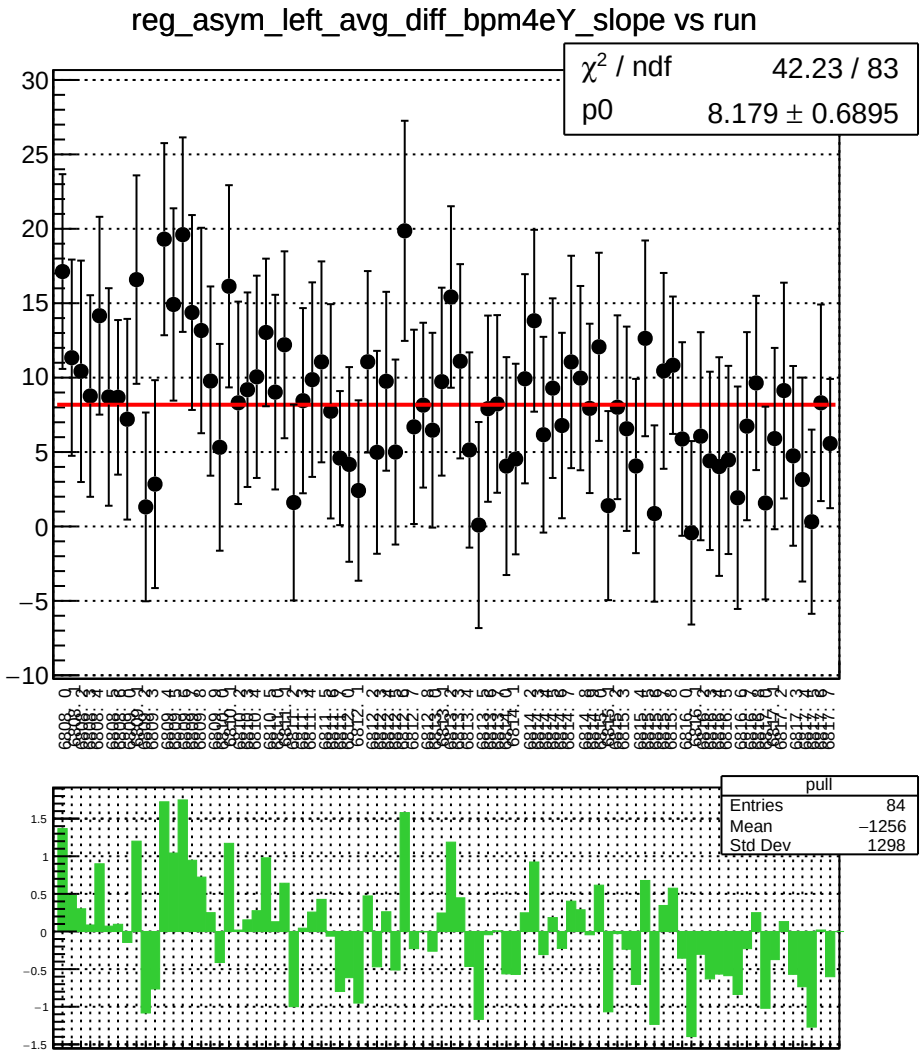

pull1D
Entries 84
Mean 0.0068
Std Dev 0.7403

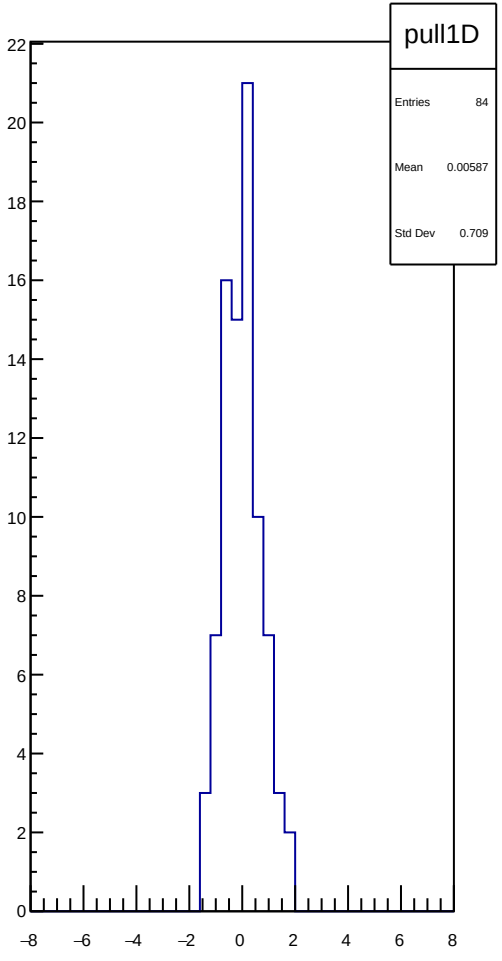

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.45 / 83
p0 1.376 ± 0.5711
pull
Entries 84
Mean −1599
Std Dev 1642

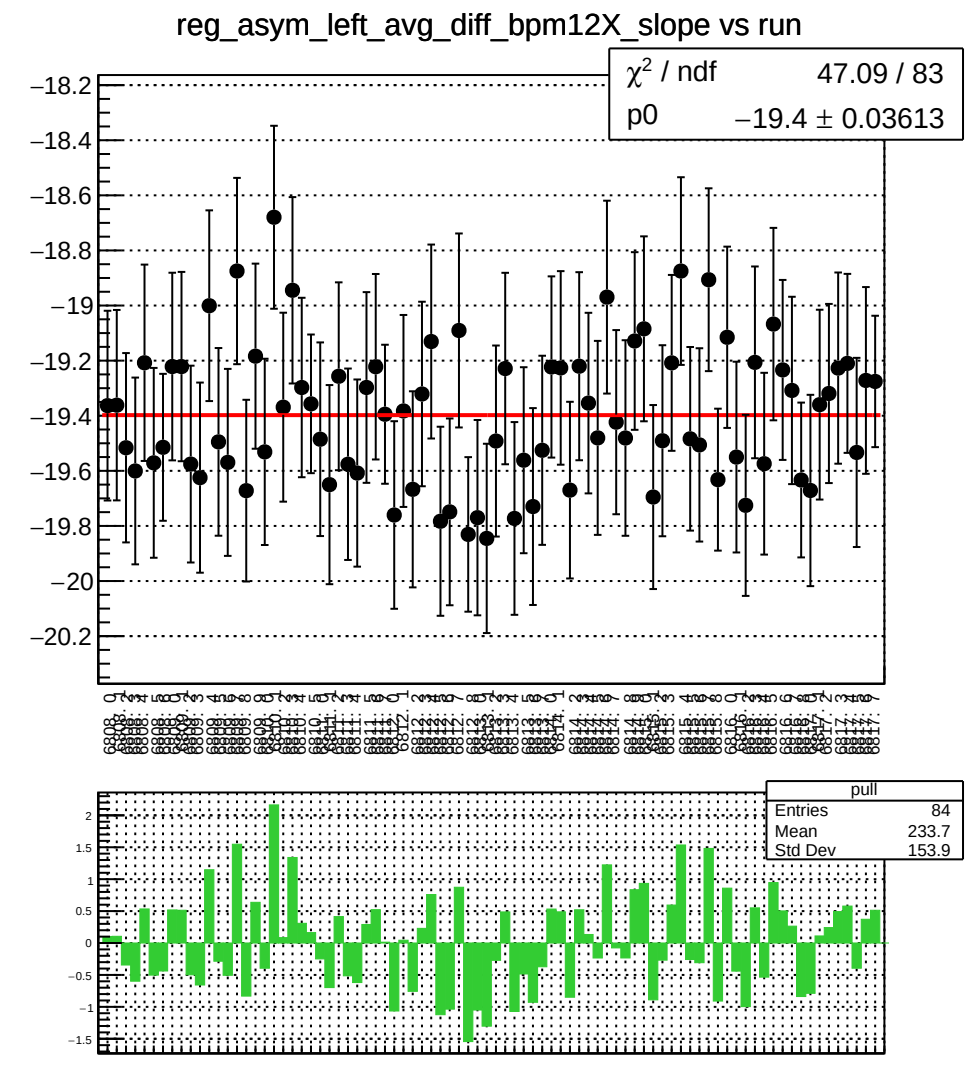

pull1D
Entries 84
Mean −0.004443
Std Dev 0.7024

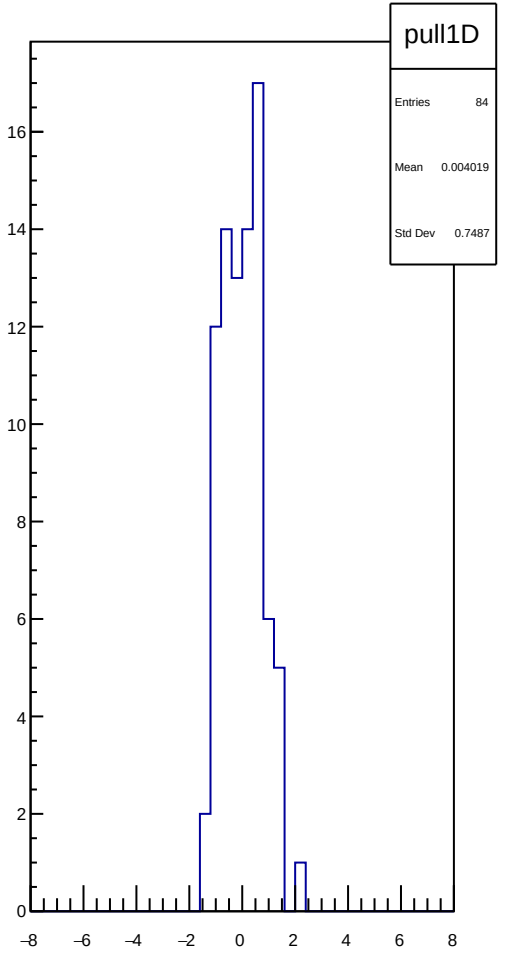

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.06 / 83
p0 7.266 ± 0.8319
pull
Entries 84
Mean 196
Std Dev 172.6

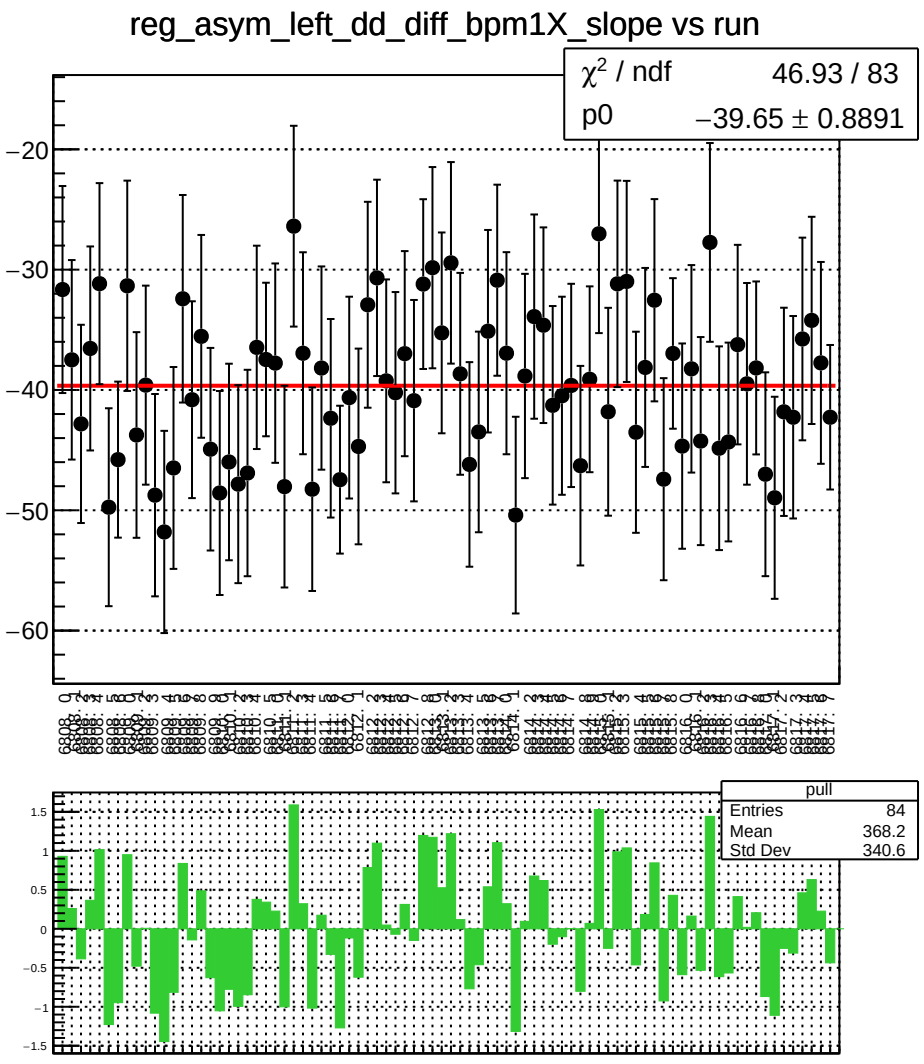

pull1D
Entries 84
Mean −0.007131
Std Dev 0.7324

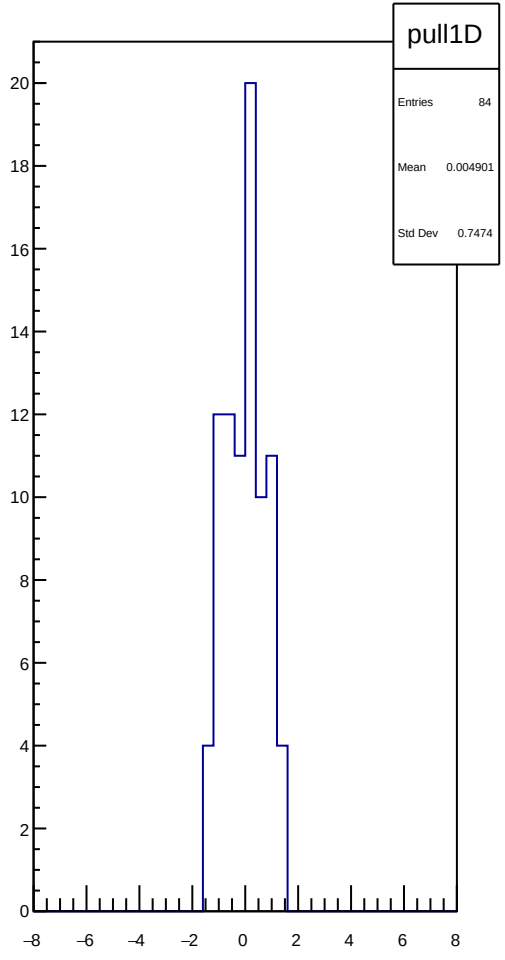

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.23 / 83
p0 8.179 ± 0.6895
pull
Entries 84
Mean −1256
Std Dev 1298

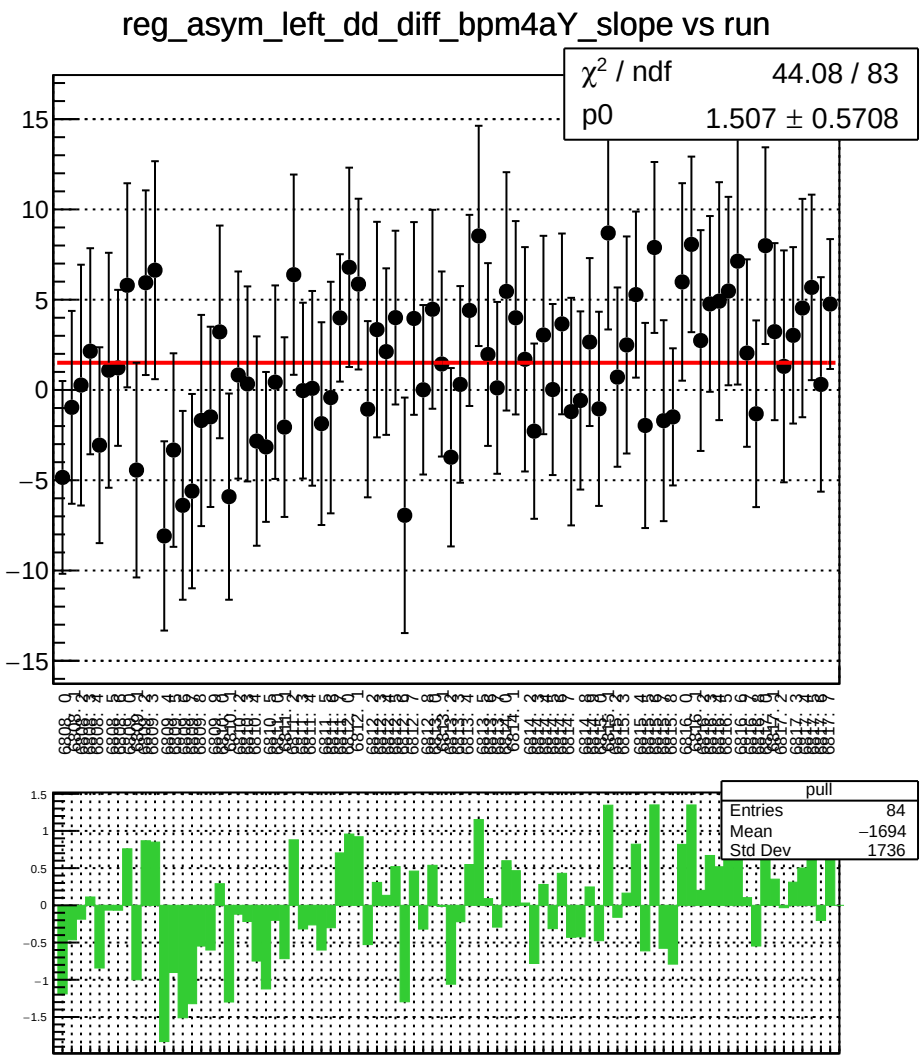

pull1D
Entries 84
Mean 0.00587
Std Dev 0.709

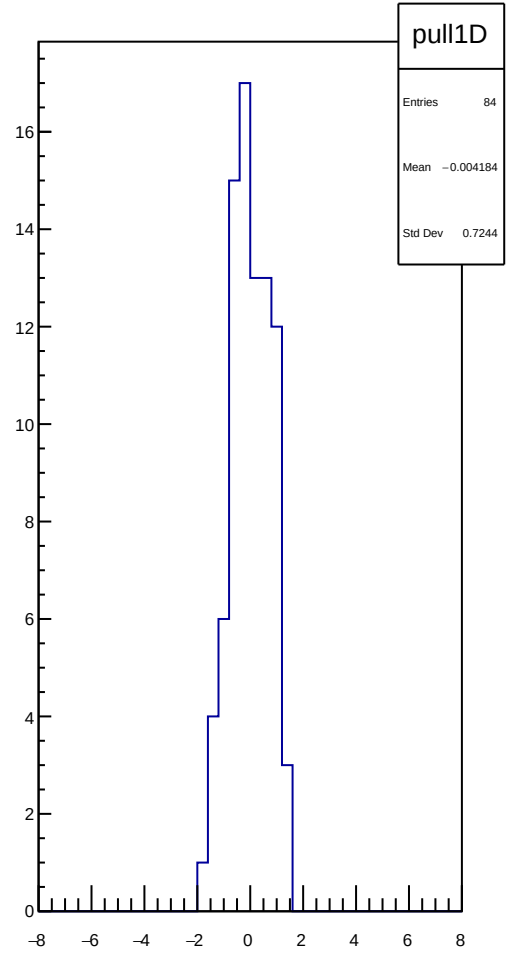

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 47.09 / 83
p0 −19.4 ± 0.03613
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
pull
Entries 84
Mean 233.7
Std Dev 153.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

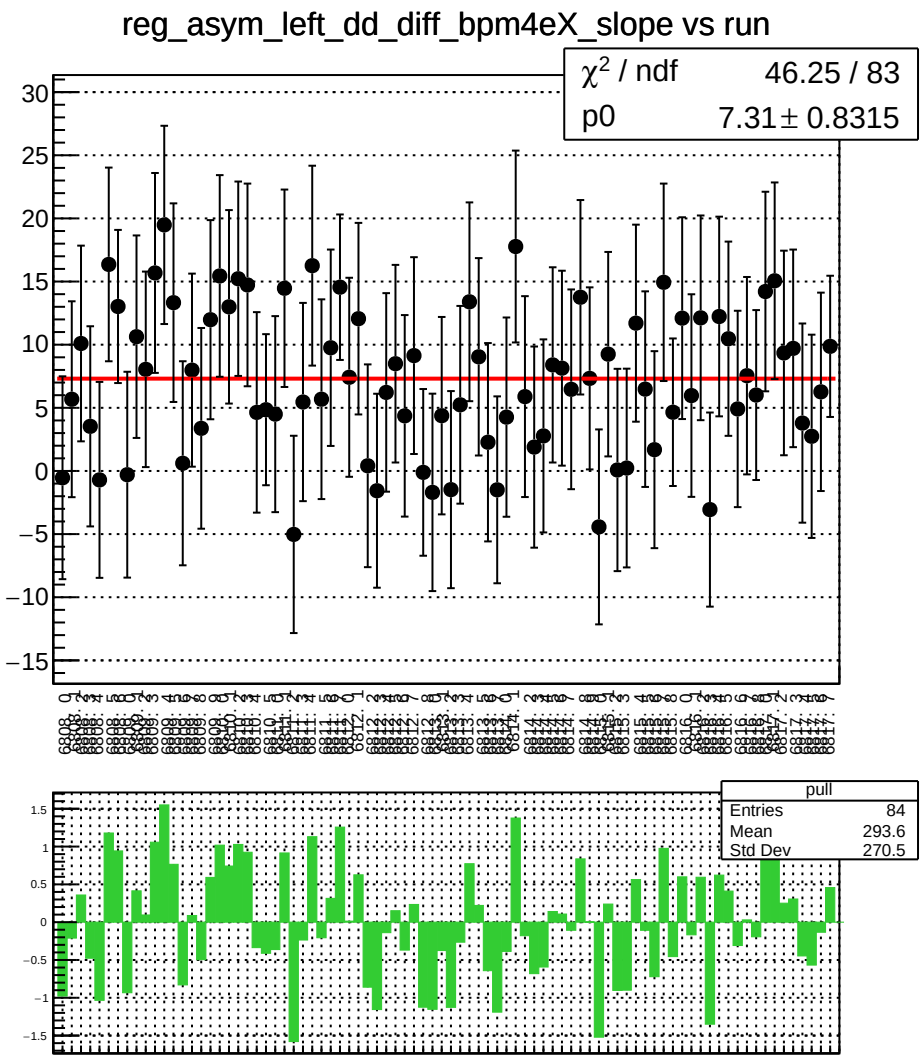

pull1D
Entries 84
Mean 0.004019
Std Dev 0.7487
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

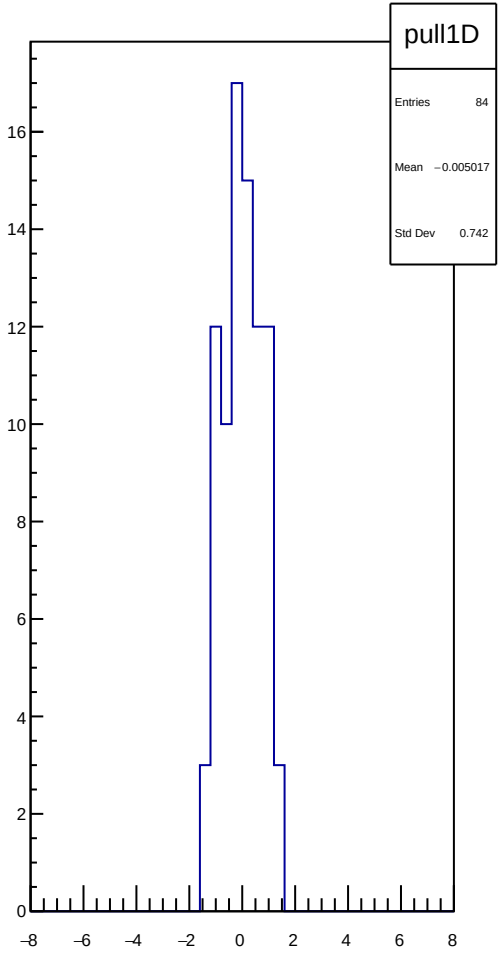

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 46.93 / 83
p0 −39.65 ± 0.8891
pull
Entries 84
Mean 368.2
Std Dev 340.6

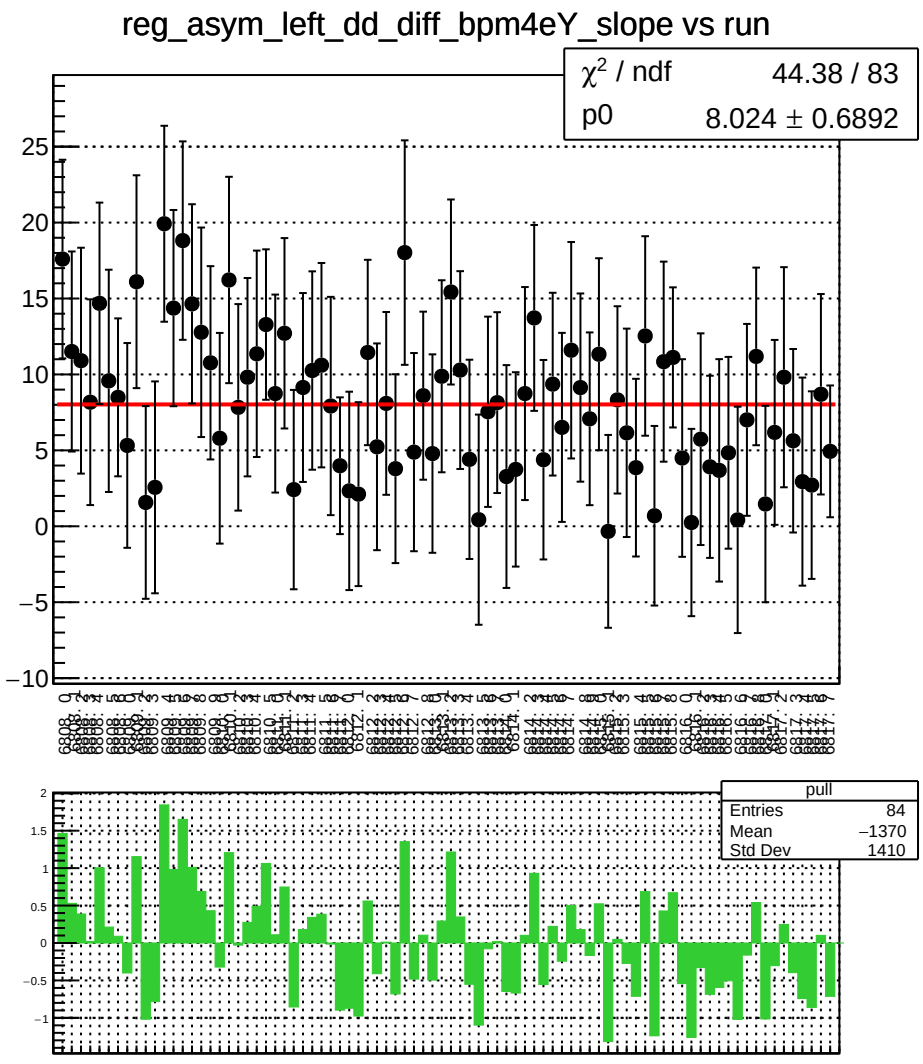

pull1D
Entries 84
Mean 0.004901
Std Dev 0.7474

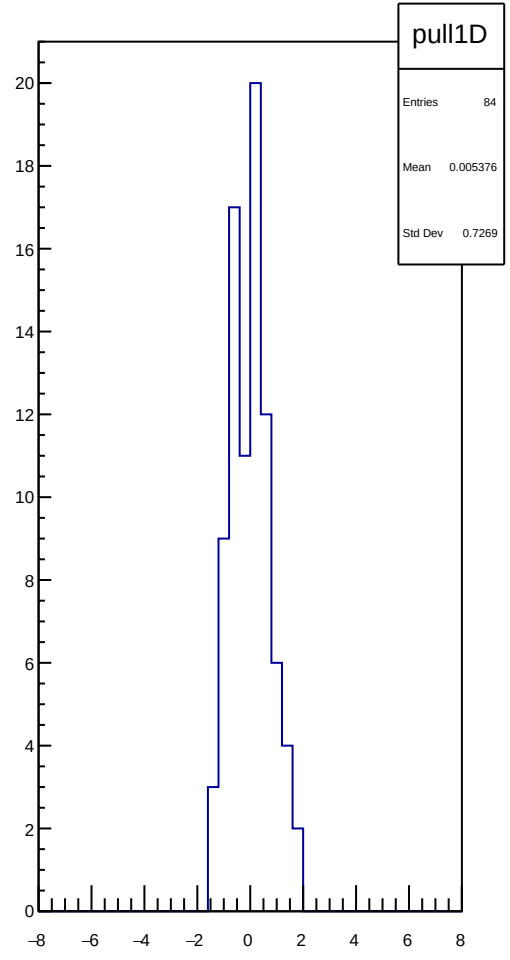

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.08 / 83
p0 1.507 ± 0.5708
pull
Entries 84
Mean −1694
Std Dev 1736

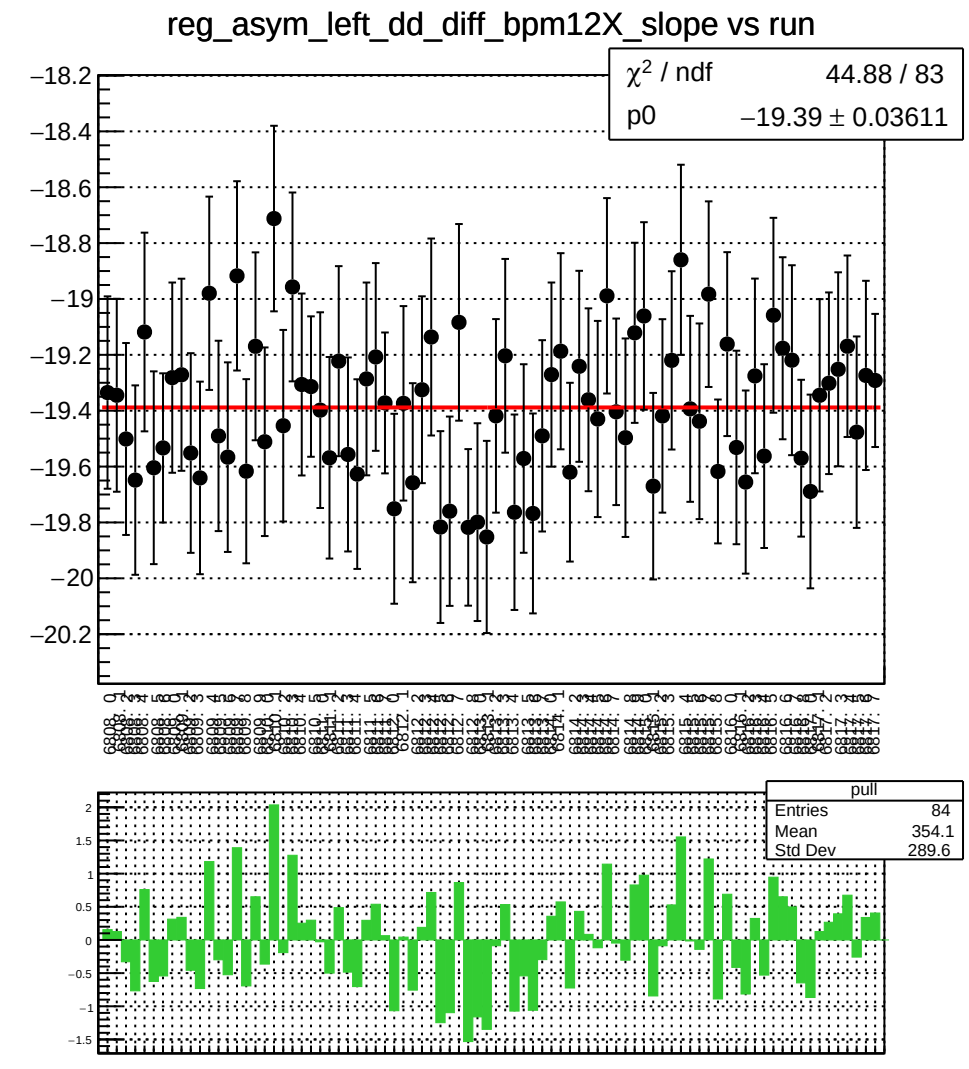

pull1D
Entries 84
Mean −0.004184
Std Dev 0.7244

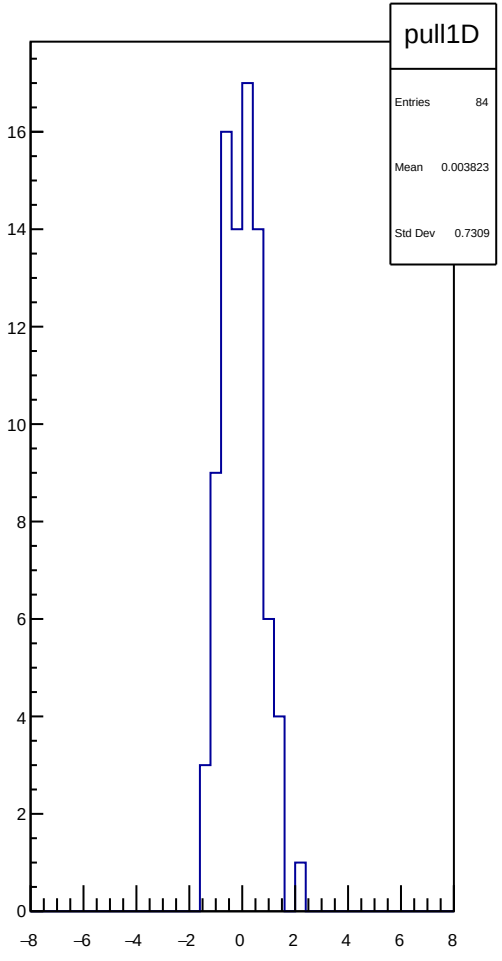

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.25 / 83
p0 7.31 ± 0.8315
pull
Entries 84
Mean 293.6
Std Dev 270.5

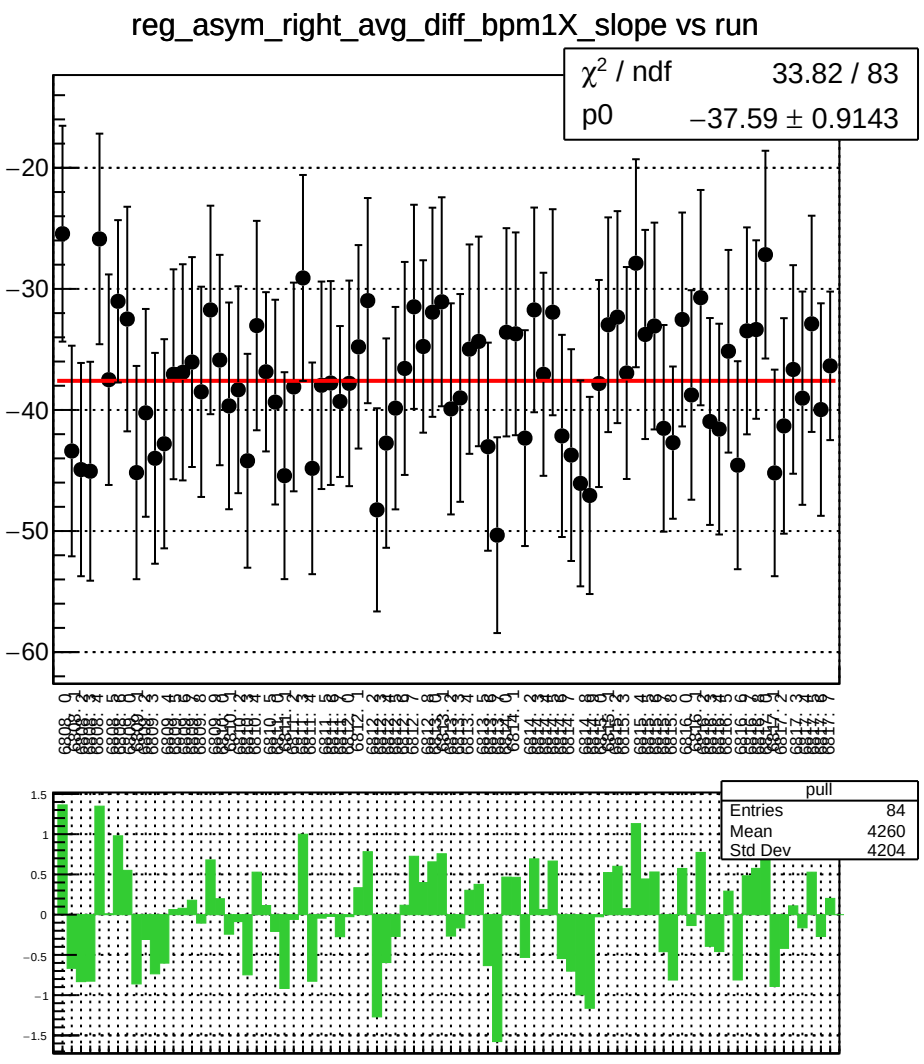

pull1D
Entries 84
Mean −0.005017
Std Dev 0.742

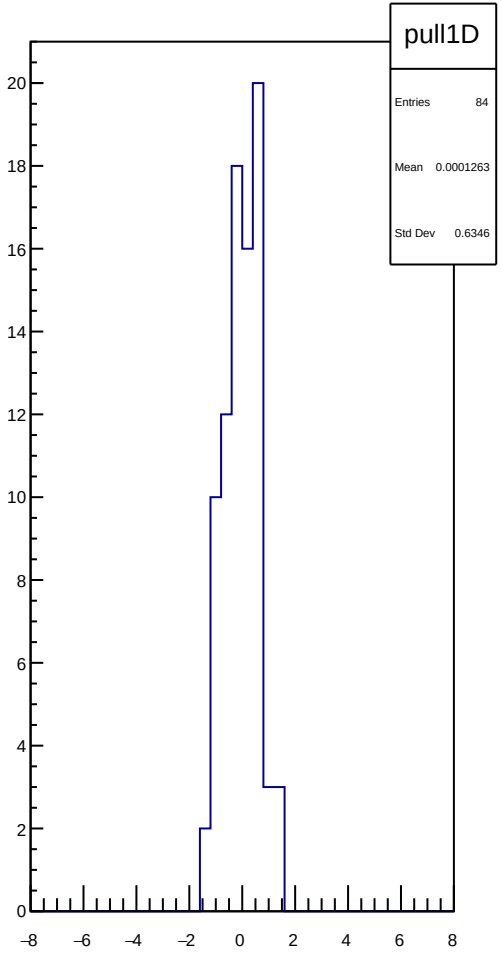

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.38 / 83
p0 8.024 ± 0.6892
pull
Entries 84
Mean −1370
Std Dev 1410

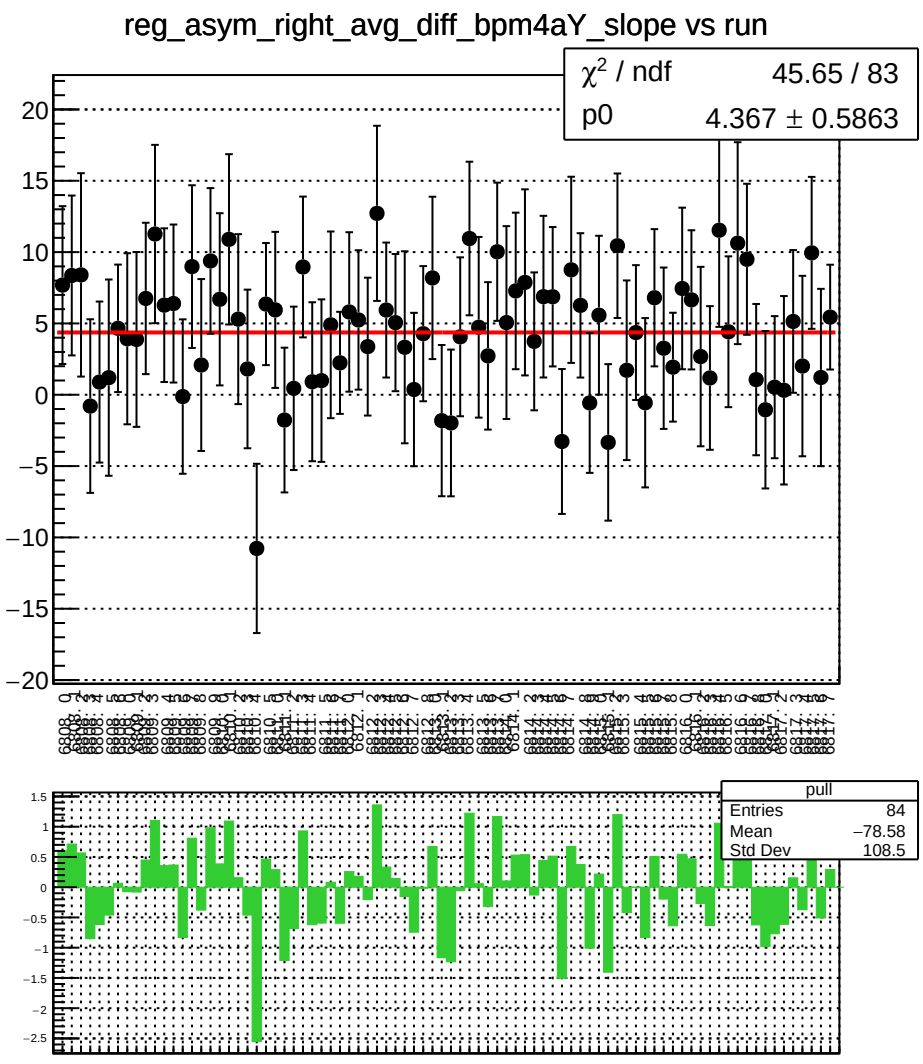

pull1D
Entries 84
Mean 0.005376
Std Dev 0.7269

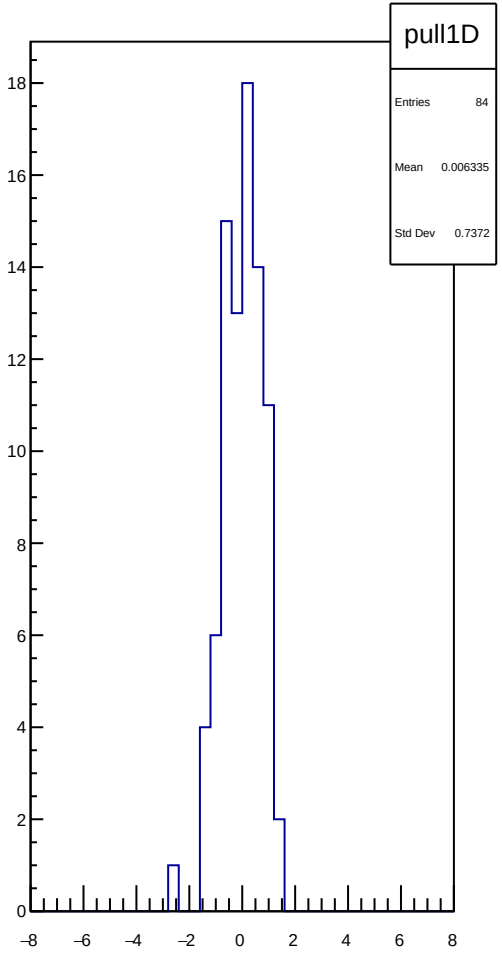

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 44.88 / 83
p0 −19.39 ± 0.03611
pull
Entries 84
Mean 354.1
Std Dev 289.6

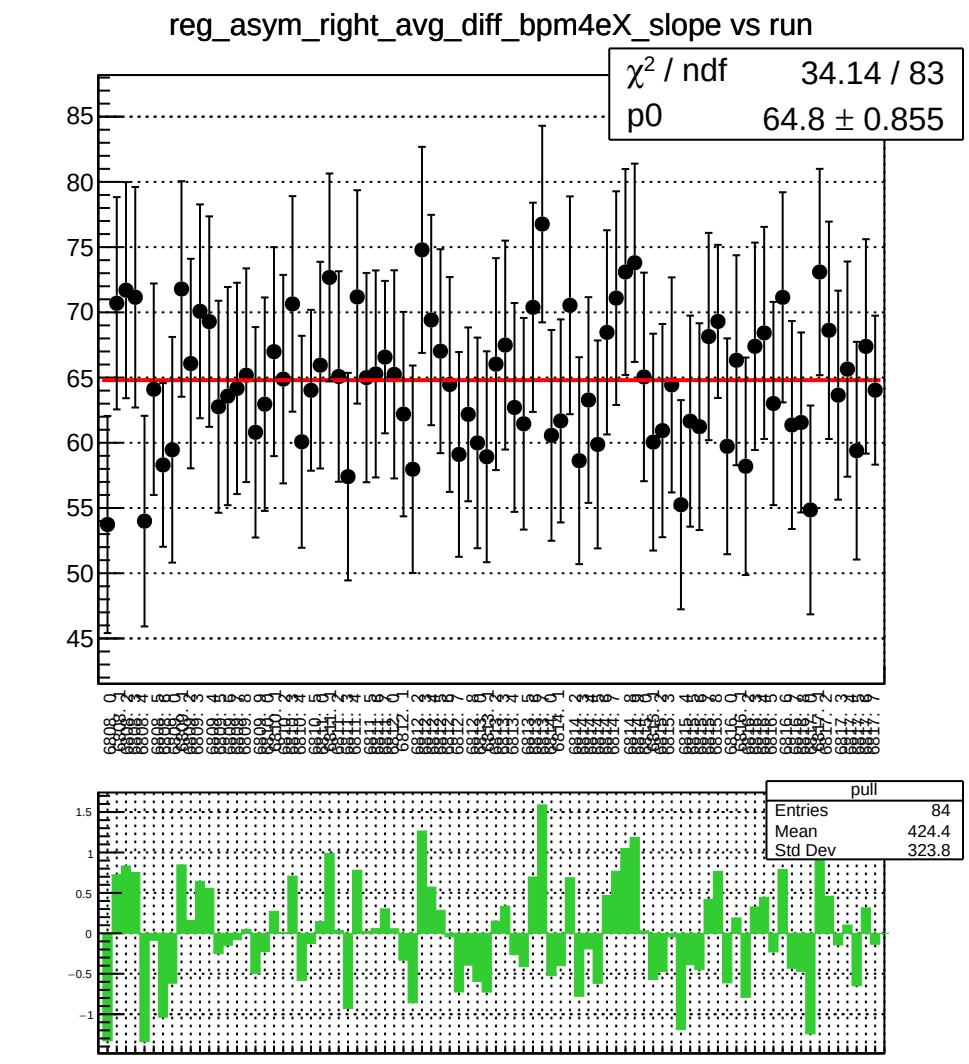

pull1D
Entries 84
Mean 0.003823
Std Dev 0.7309

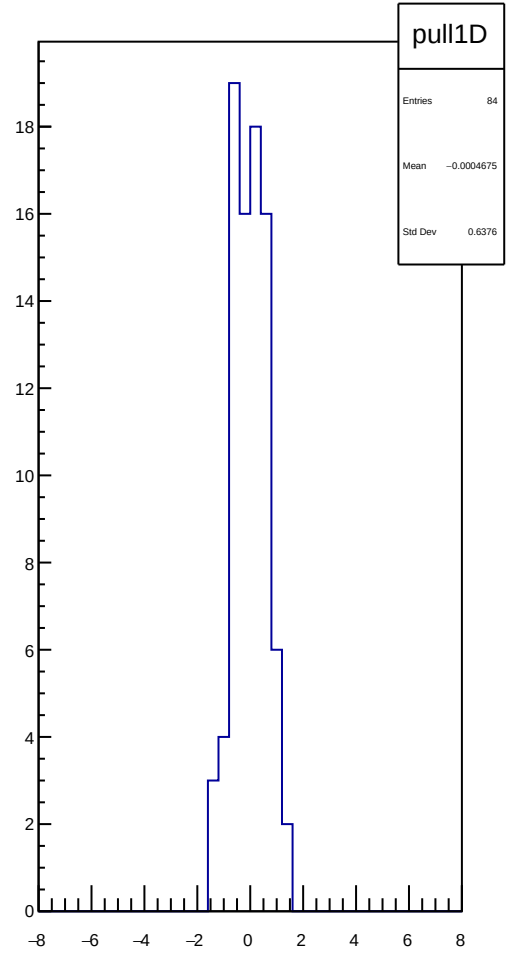

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 33.82 / 83
p0 −37.59 ± 0.9143
pull
Entries 84
Mean 4260
Std Dev 4204

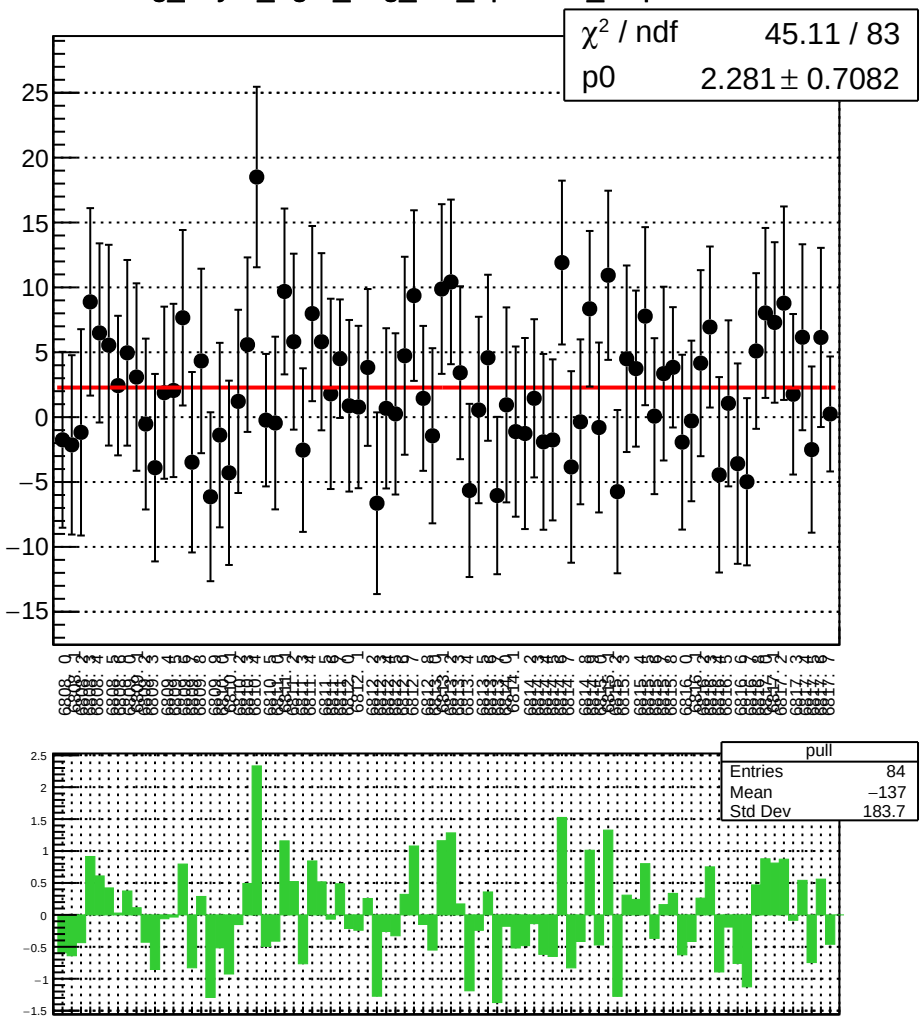

pull1D
Entries 84
Mean 0.0001263
Std Dev 0.6346

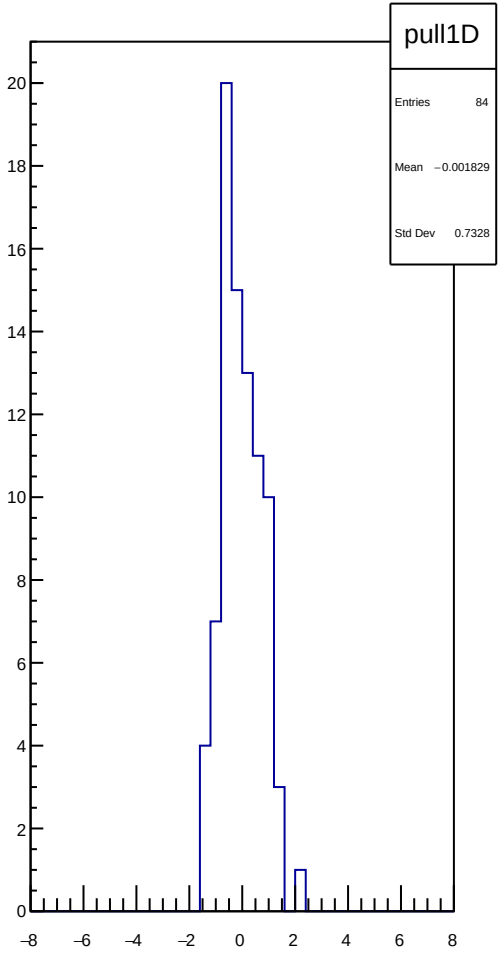

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.65 / 83
p0 4.367 ± 0.5863
pull
Entries 84
Mean −78.58
Std Dev 108.5

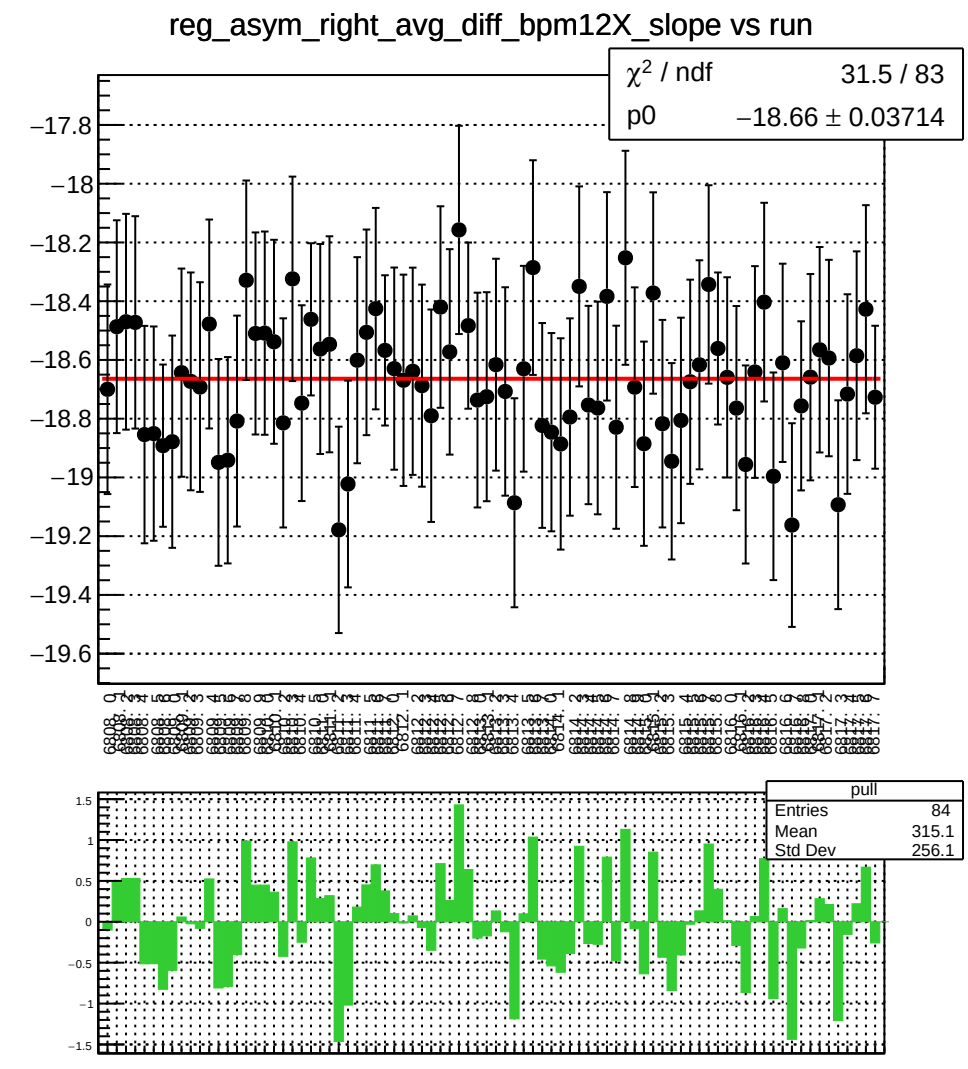

pull1D
Entries 84
Mean 0.006335
Std Dev 0.7372

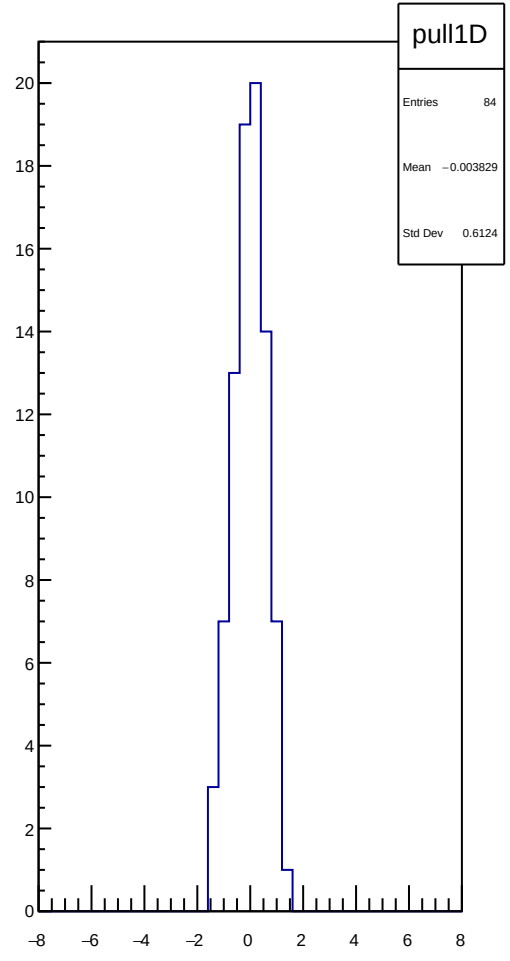

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.14 / 83
p0 64.8 ± 0.855
pull
Entries 84
Mean 424.4
Std Dev 323.8

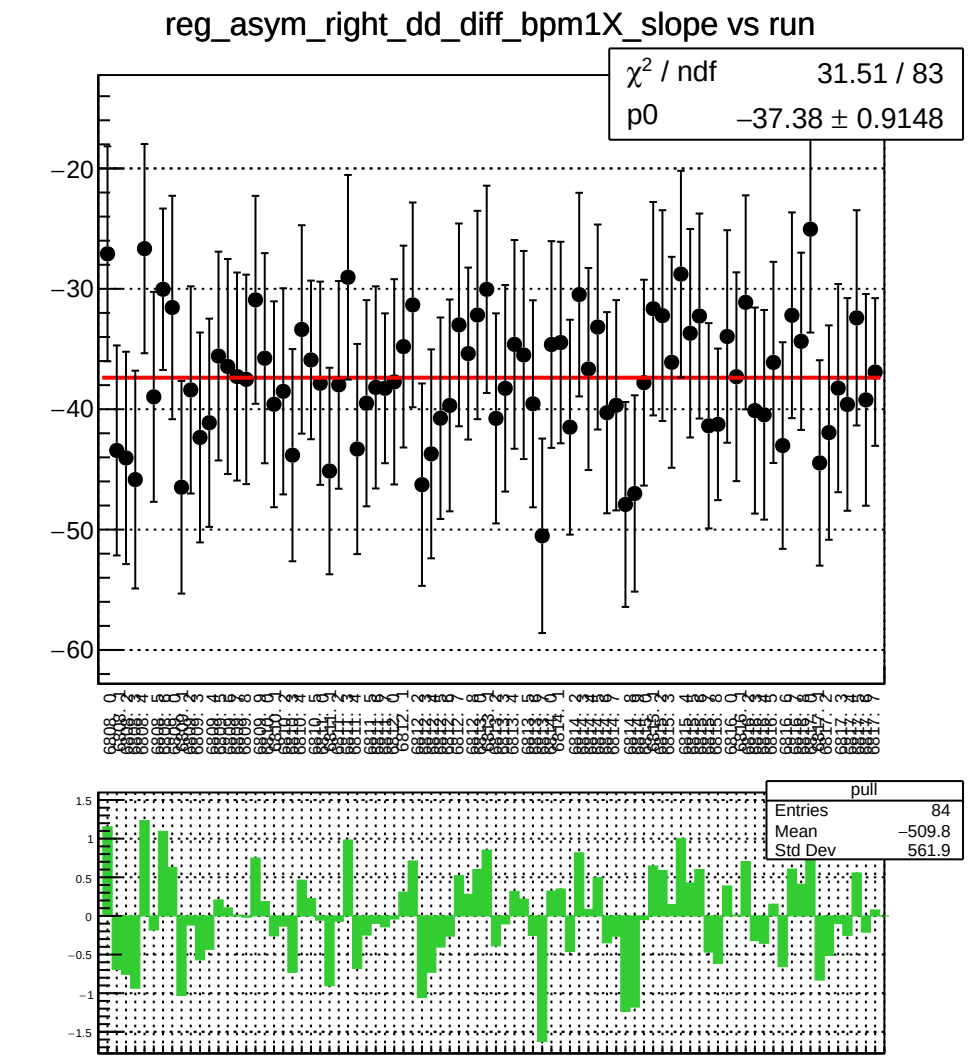

pull1D
Entries 84
Mean −0.0004675
Std Dev 0.6376

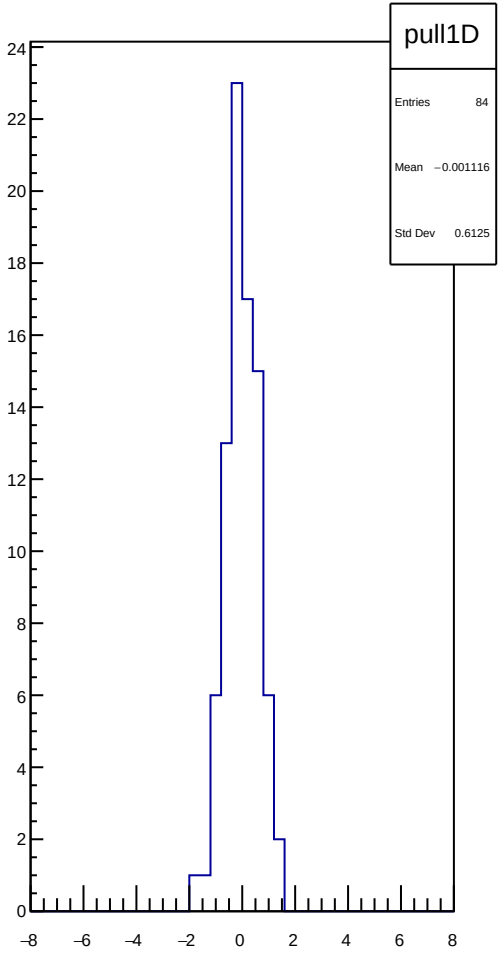

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.11 / 83
p0 2.281 ± 0.7082
pull
Entries 84
Mean −137
Std Dev 183.7

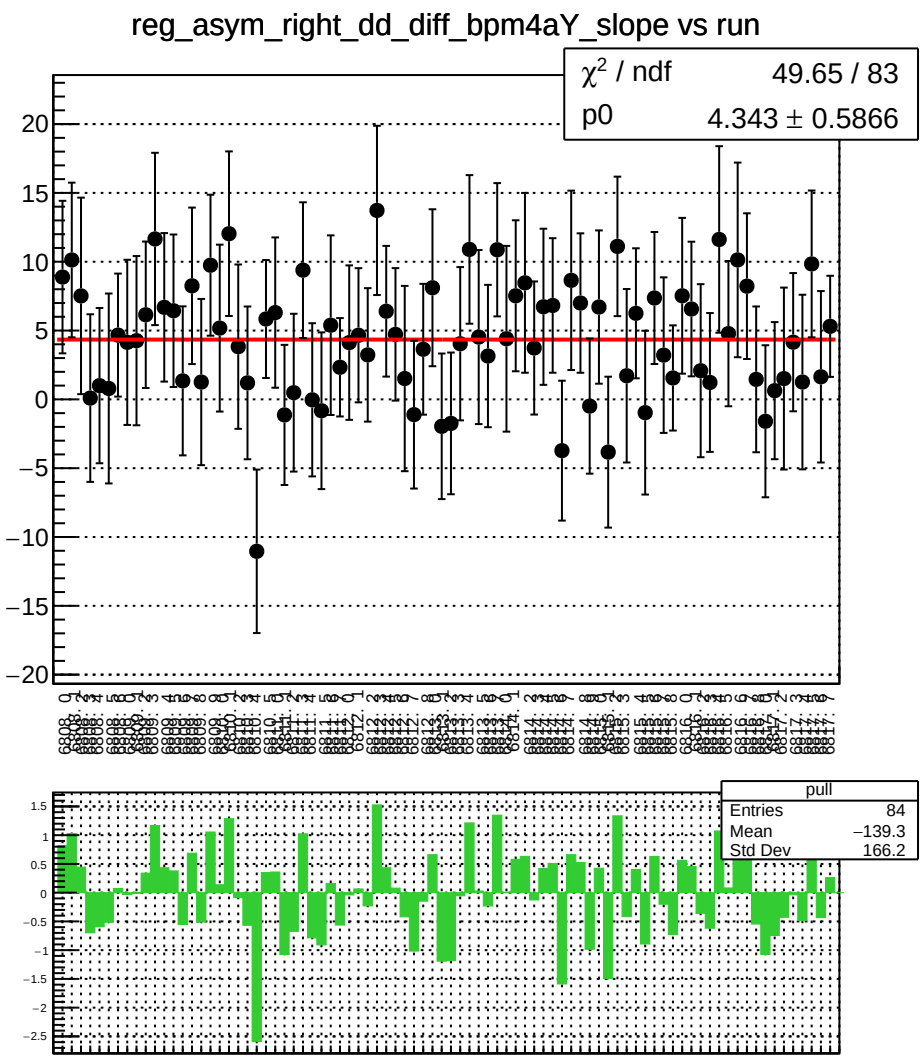

pull1D
Entries 84
Mean −0.001829
Std Dev 0.7328

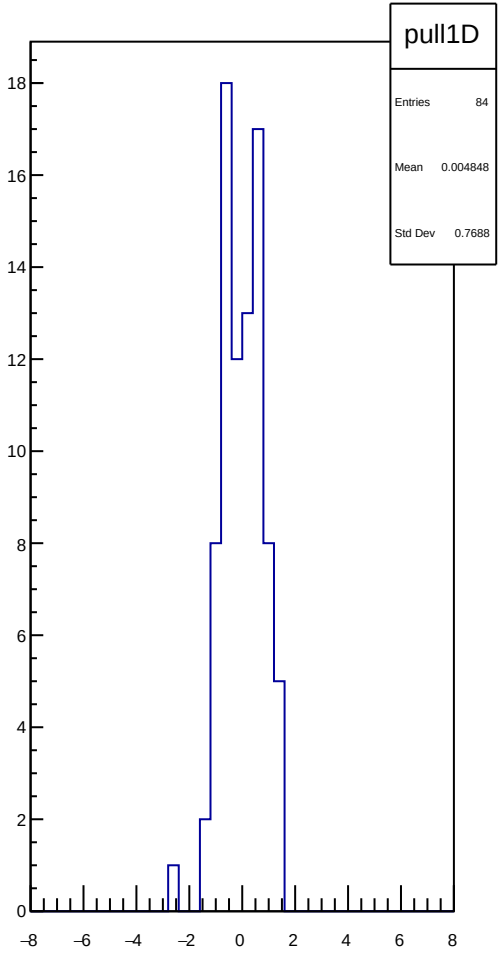

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 31.5 / 83
p0 −18.66 ± 0.03714
pull
Entries 84
Mean 315.1
Std Dev 256.1

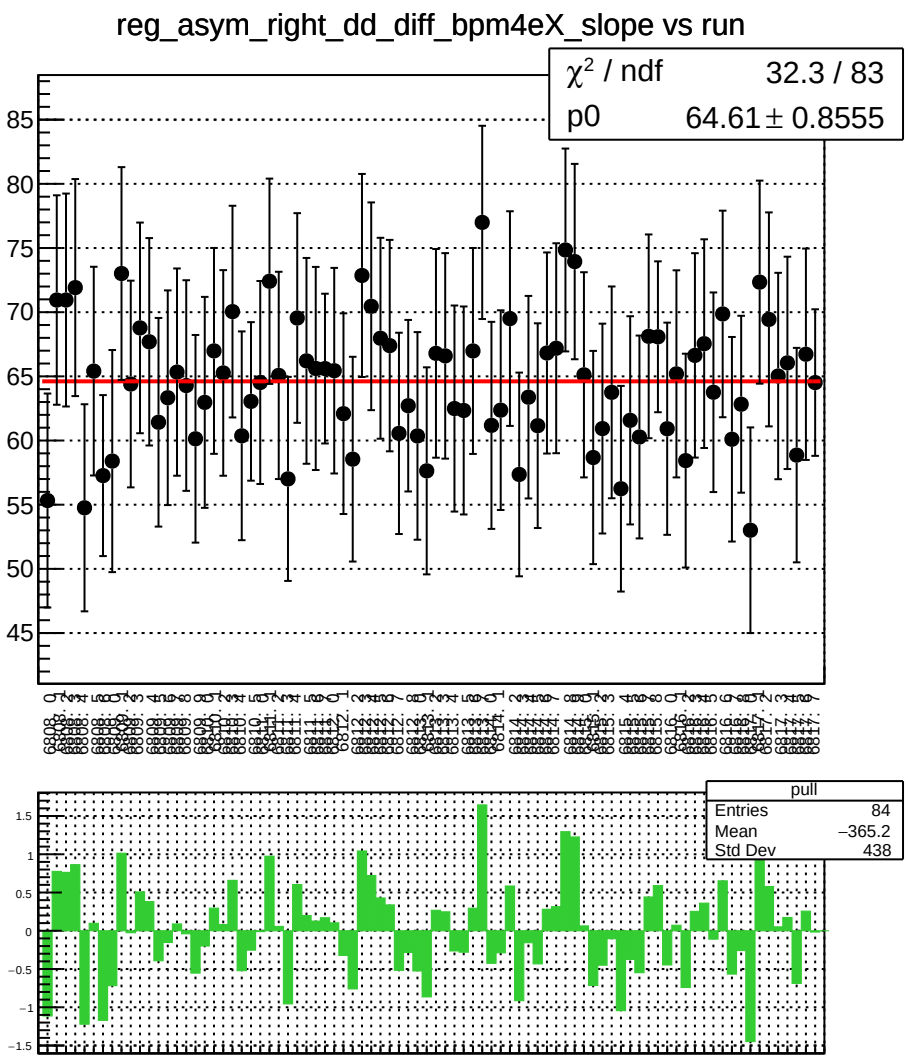

pull1D
Entries 84
Mean −0.003829
Std Dev 0.6124

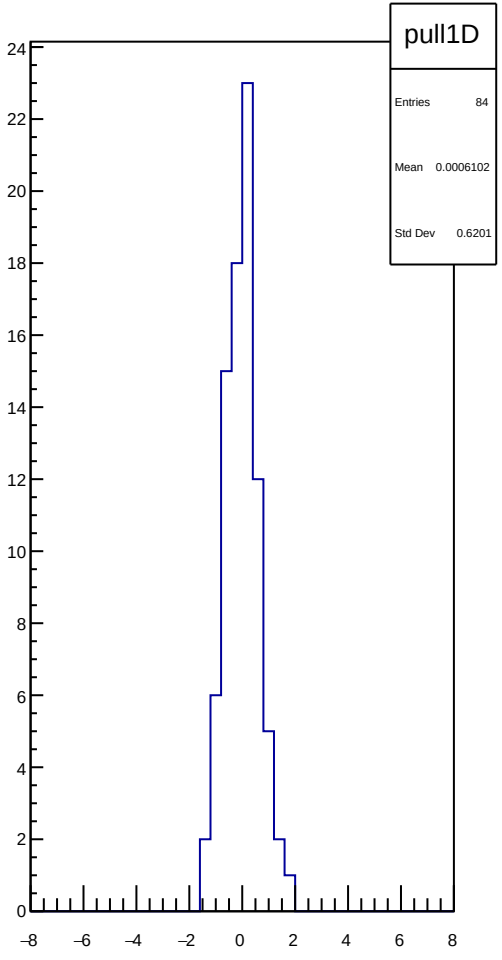

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 31.51 / 83
p0 −37.38 ± 0.9148
pull
Entries 84
Mean −509.8
Std Dev 561.9

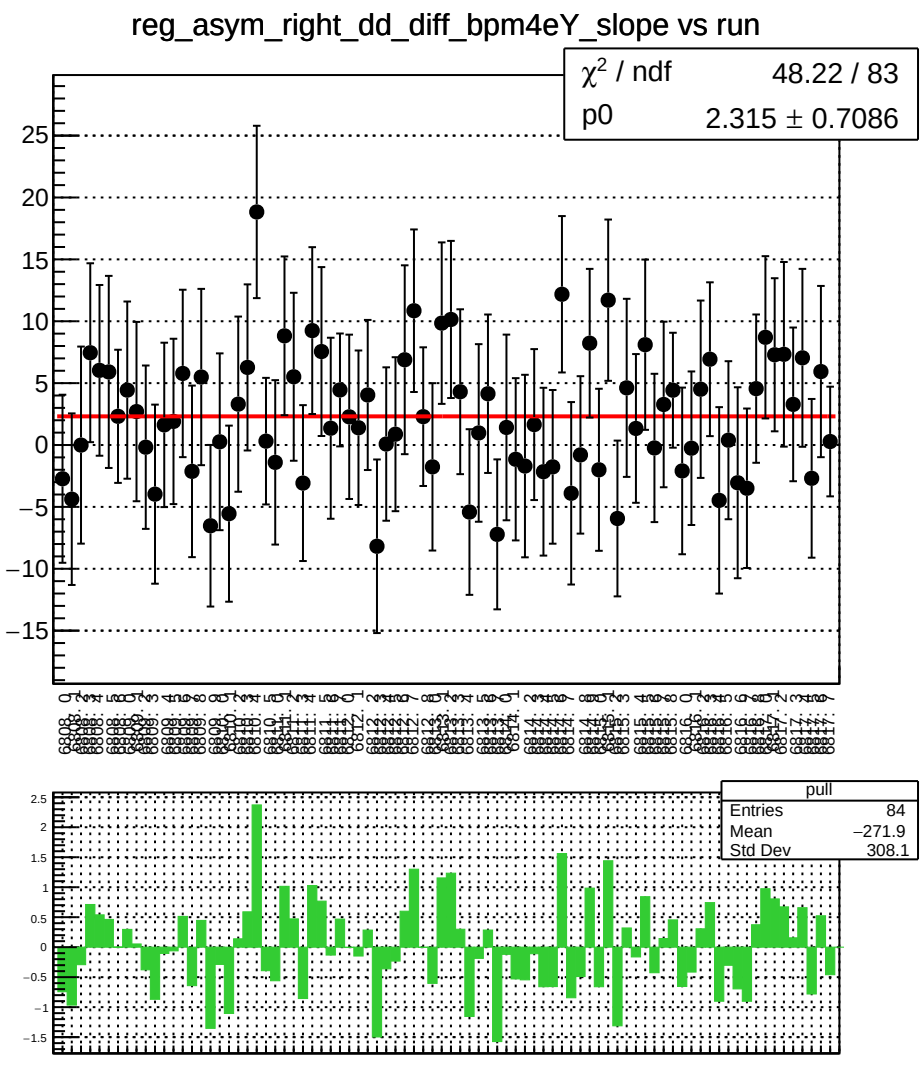

pull1D
Entries 84
Mean −0.001116
Std Dev 0.6125

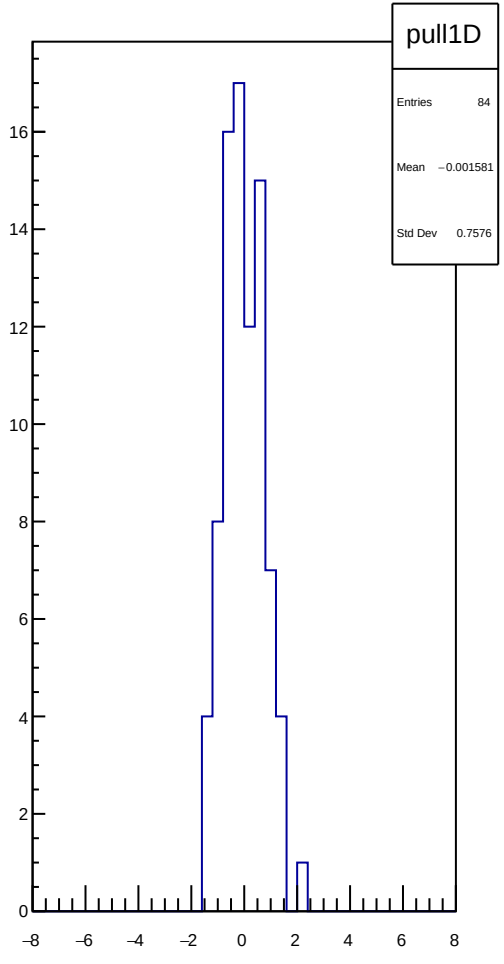

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.65 / 83
p0 4.343 ± 0.5866
pull
Entries 84
Mean −139.3
Std Dev 166.2

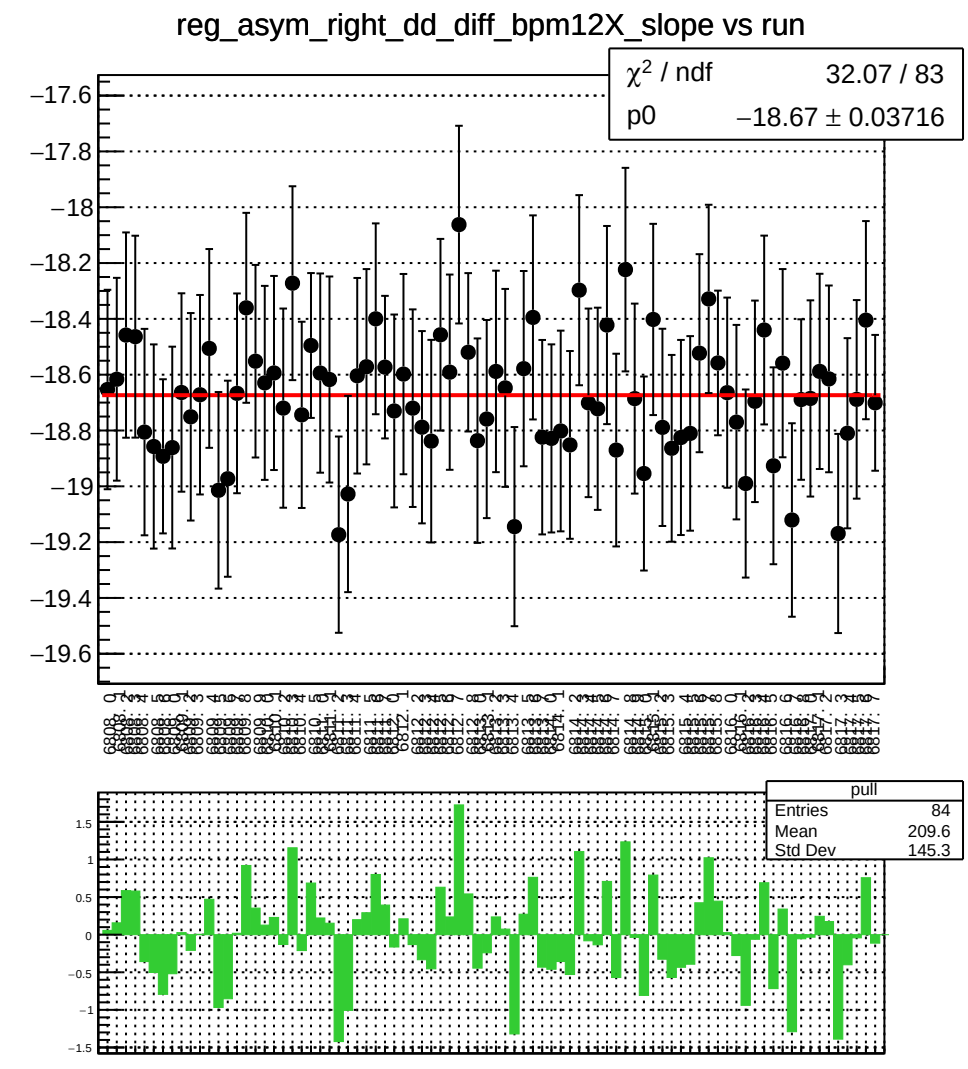

pull1D
Entries 84
Mean 0.004848
Std Dev 0.7688

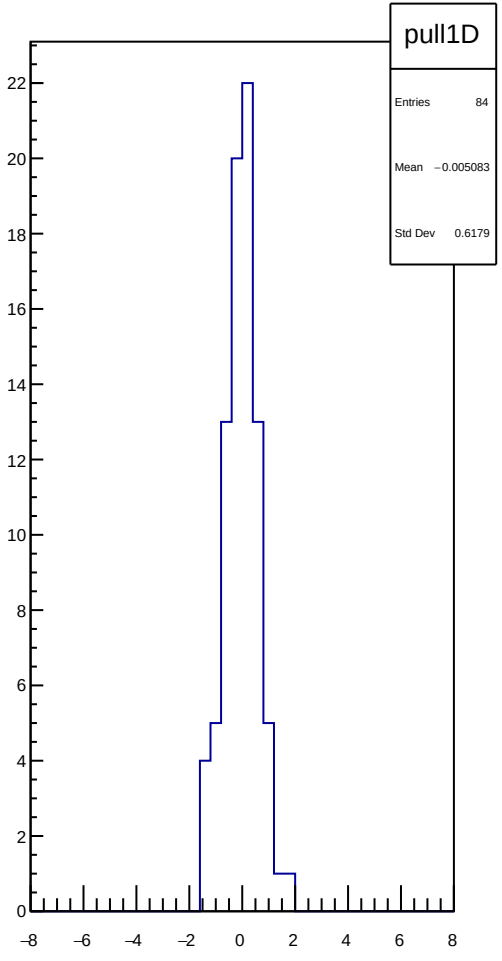

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.3 / 83
p0 64.61 ± 0.8555
pull
Entries 84
Mean −365.2
Std Dev 438

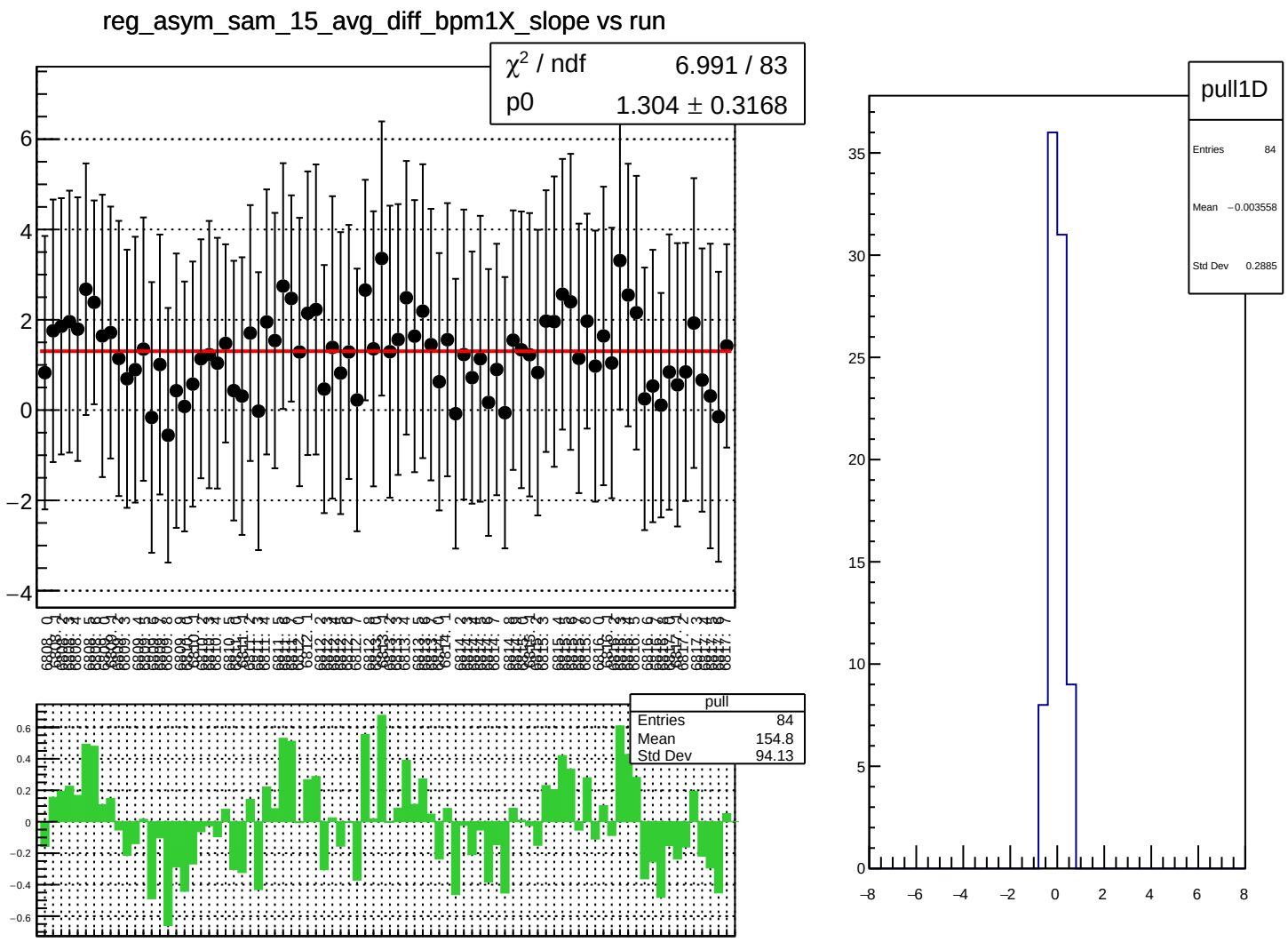

pull1D
Entries 84
Mean 0.0006102
Std Dev 0.6201

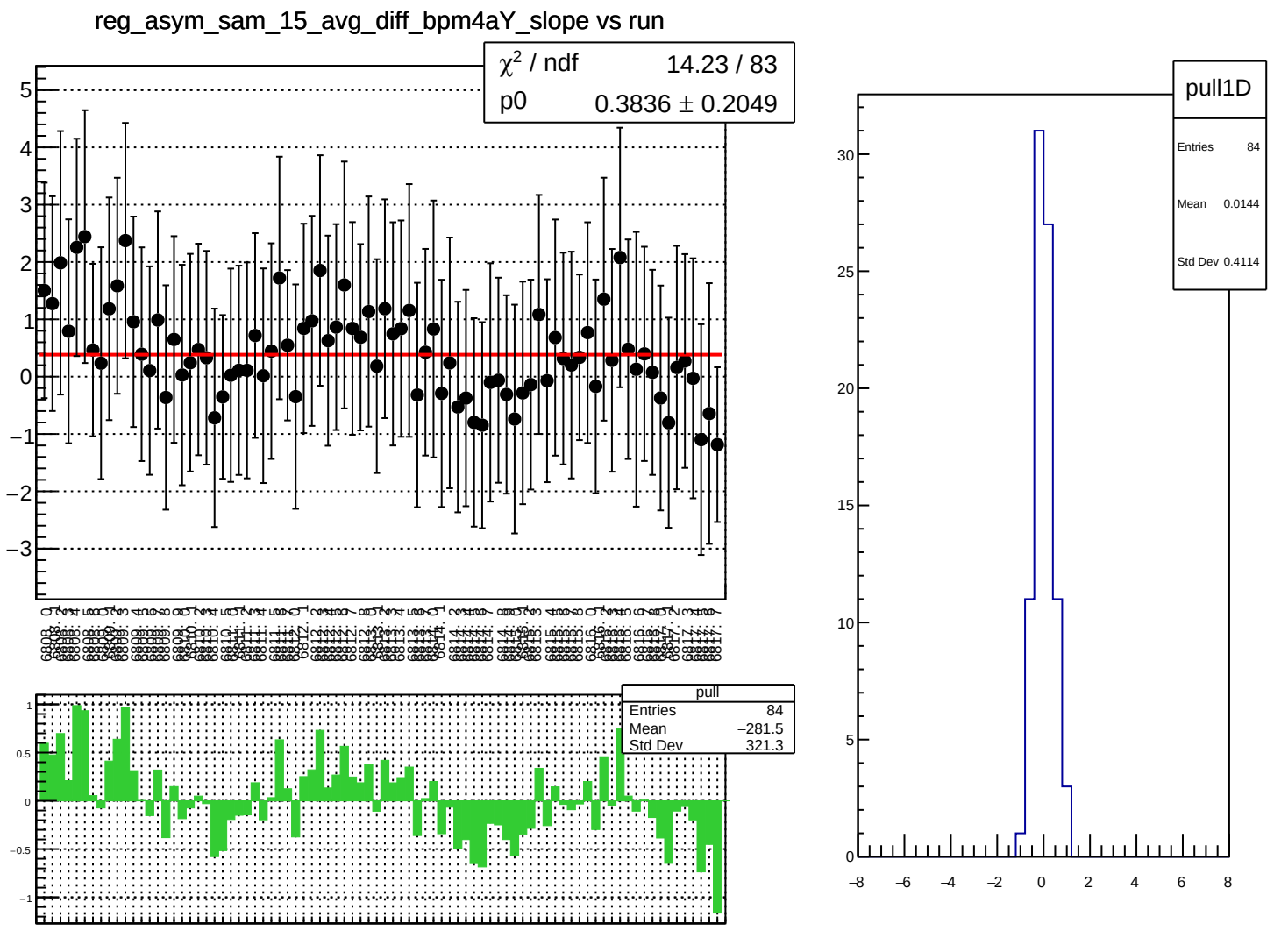

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.22 / 83
p0 2.315 ± 0.7086
pull
Entries 84
Mean −271.9
Std Dev 308.1

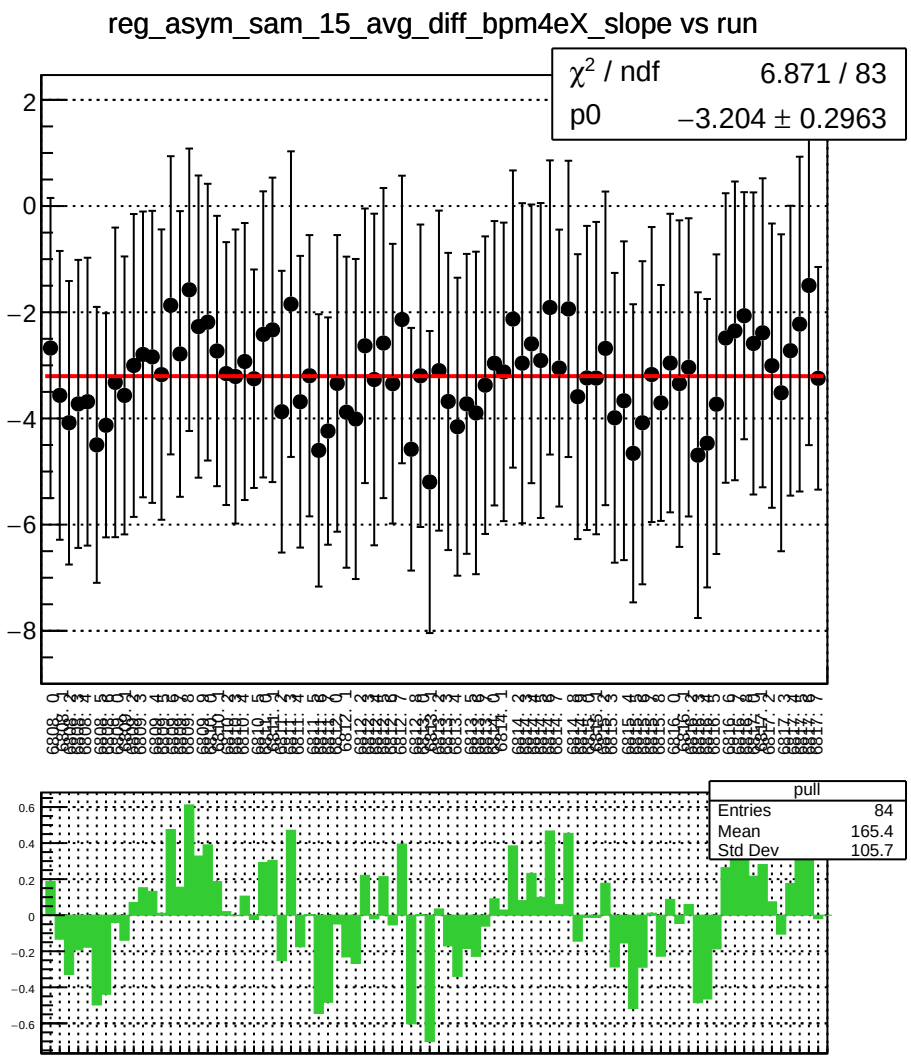

pull1D
Entries 84
Mean −0.001581
Std Dev 0.7576

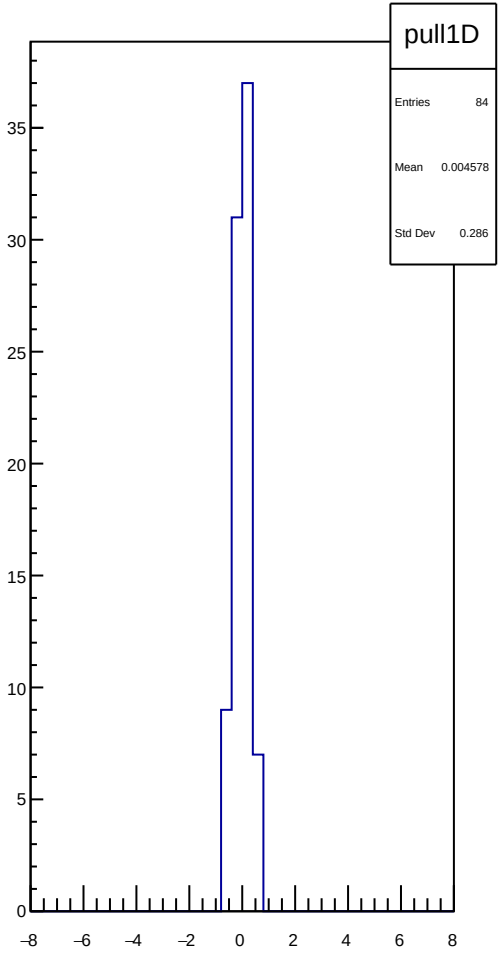

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 32.07 / 83
p0 −18.67 ± 0.03716
pull
Entries 84
Mean 209.6
Std Dev 145.3

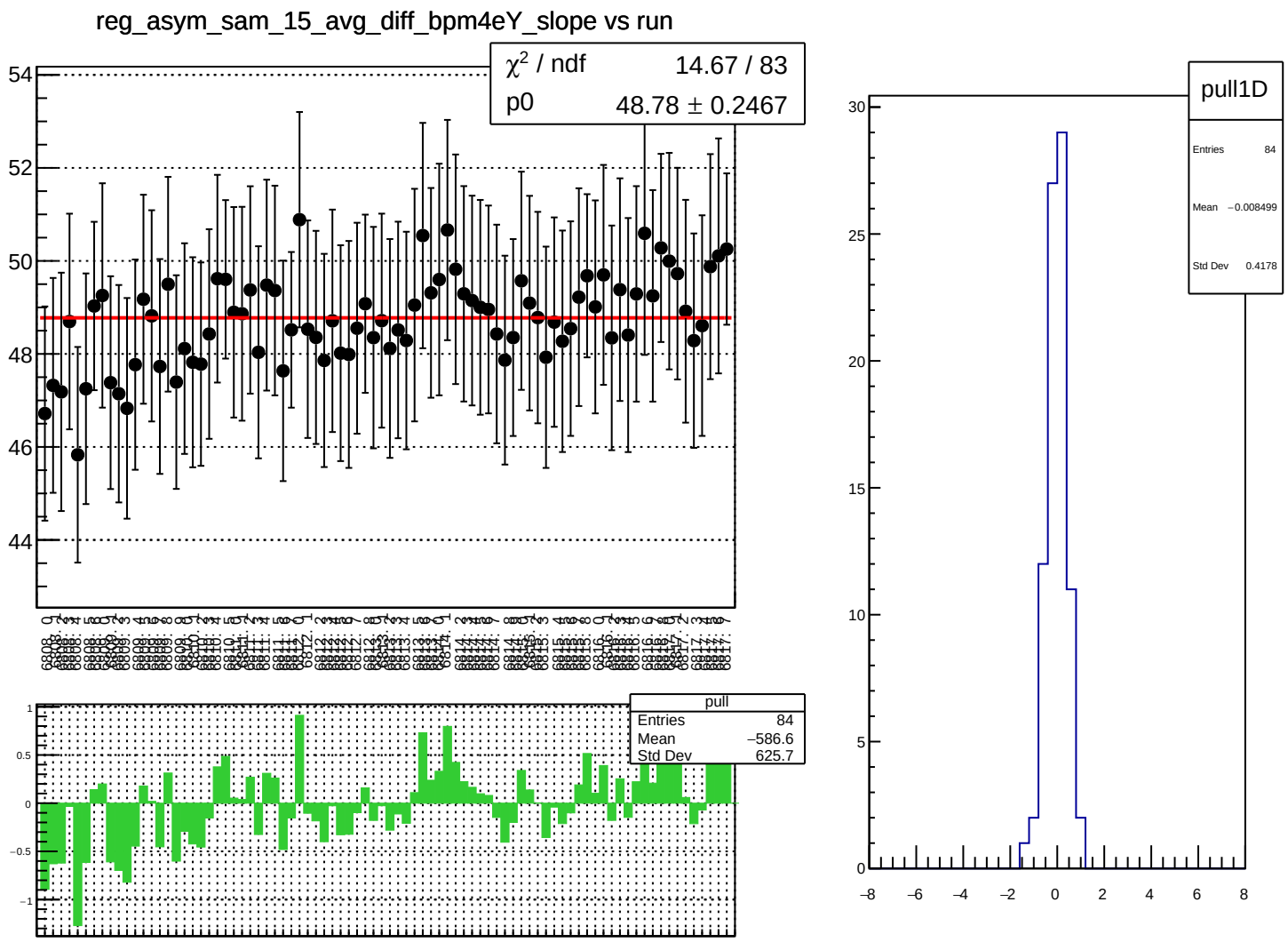

pull1D
Entries 84
Mean −0.005083
Std Dev 0.6179

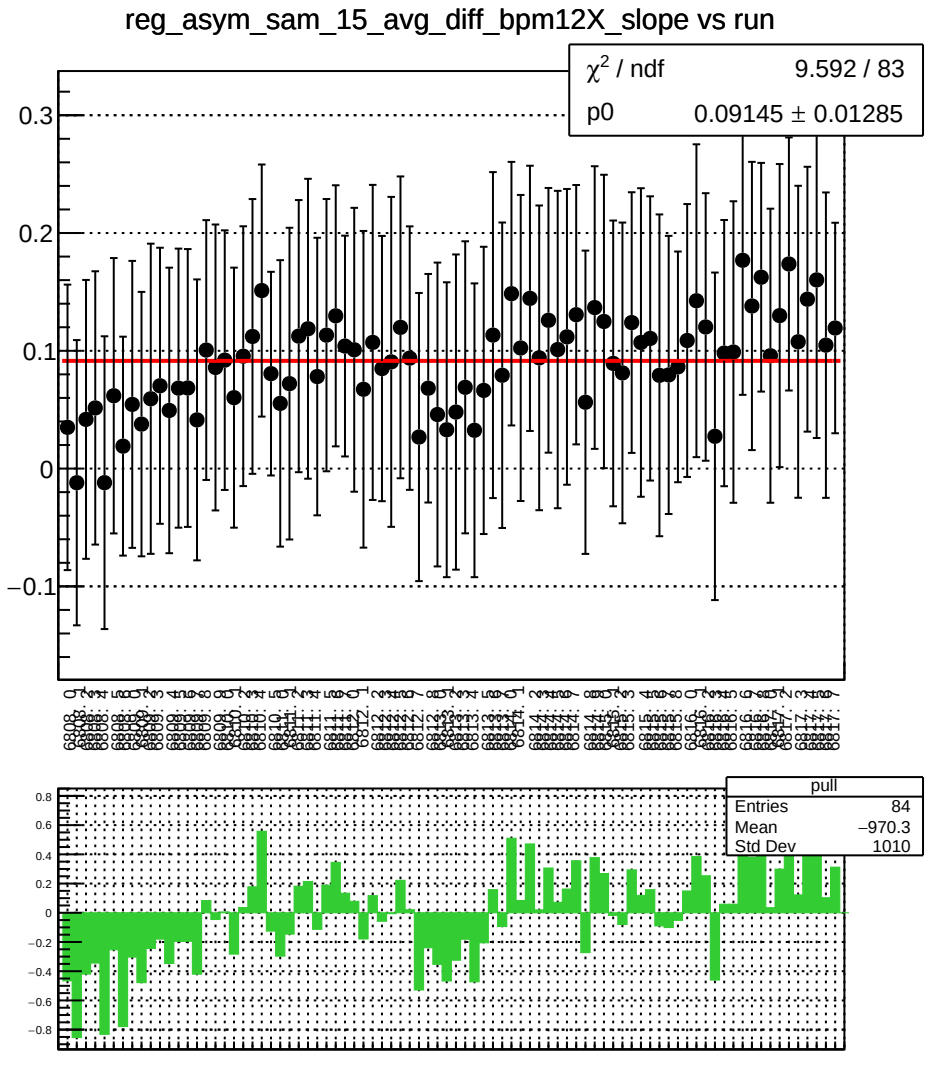

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 6.991 / 83
p0 1.304 ± 0.3168
pull
Entries 84
Mean 154.8
Std Dev 94.13
pull1D
Entries 84
Mean −0.003558
Std Dev 0.2885

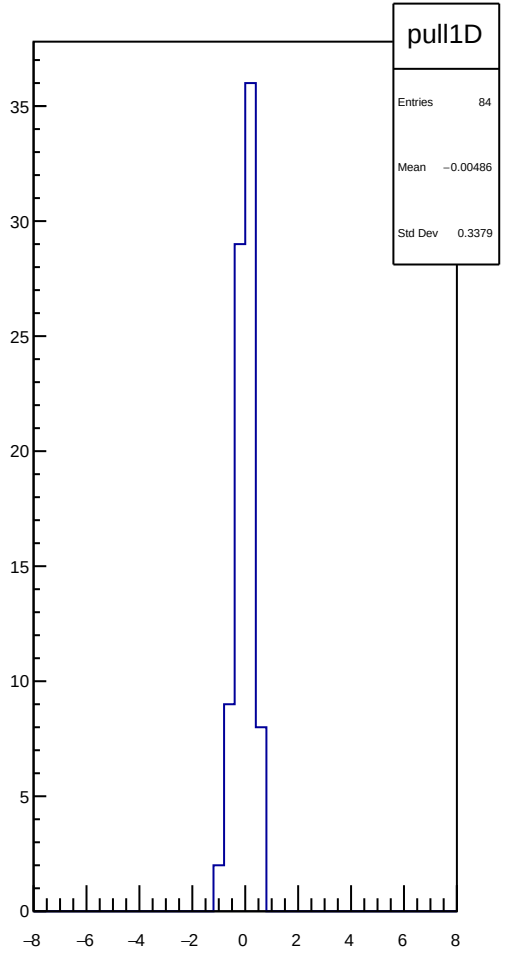

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.23 / 83
p0 0.3836 ± 0.2049
pull
Entries 84
Mean −281.5
Std Dev 321.3
pull1D
Entries 84
Mean 0.0144
Std Dev 0.4114

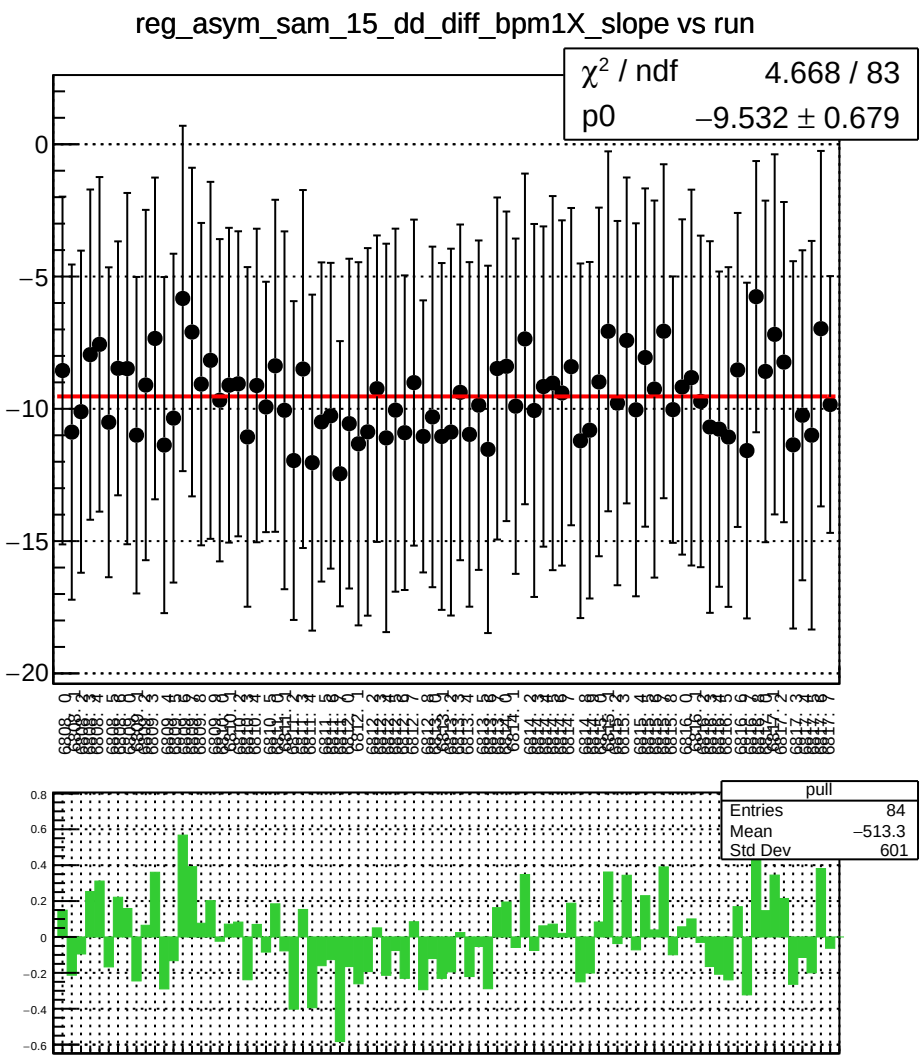

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.871 / 83
p0 −3.204 ± 0.2963
pull
Entries 84
Mean 165.4
Std Dev 105.7

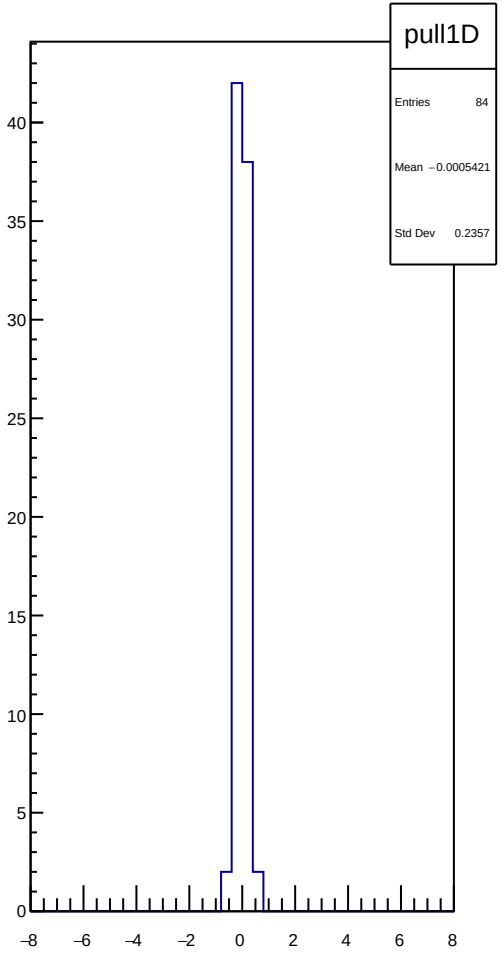

pull1D
Entries 84
Mean 0.004578
Std Dev 0.286

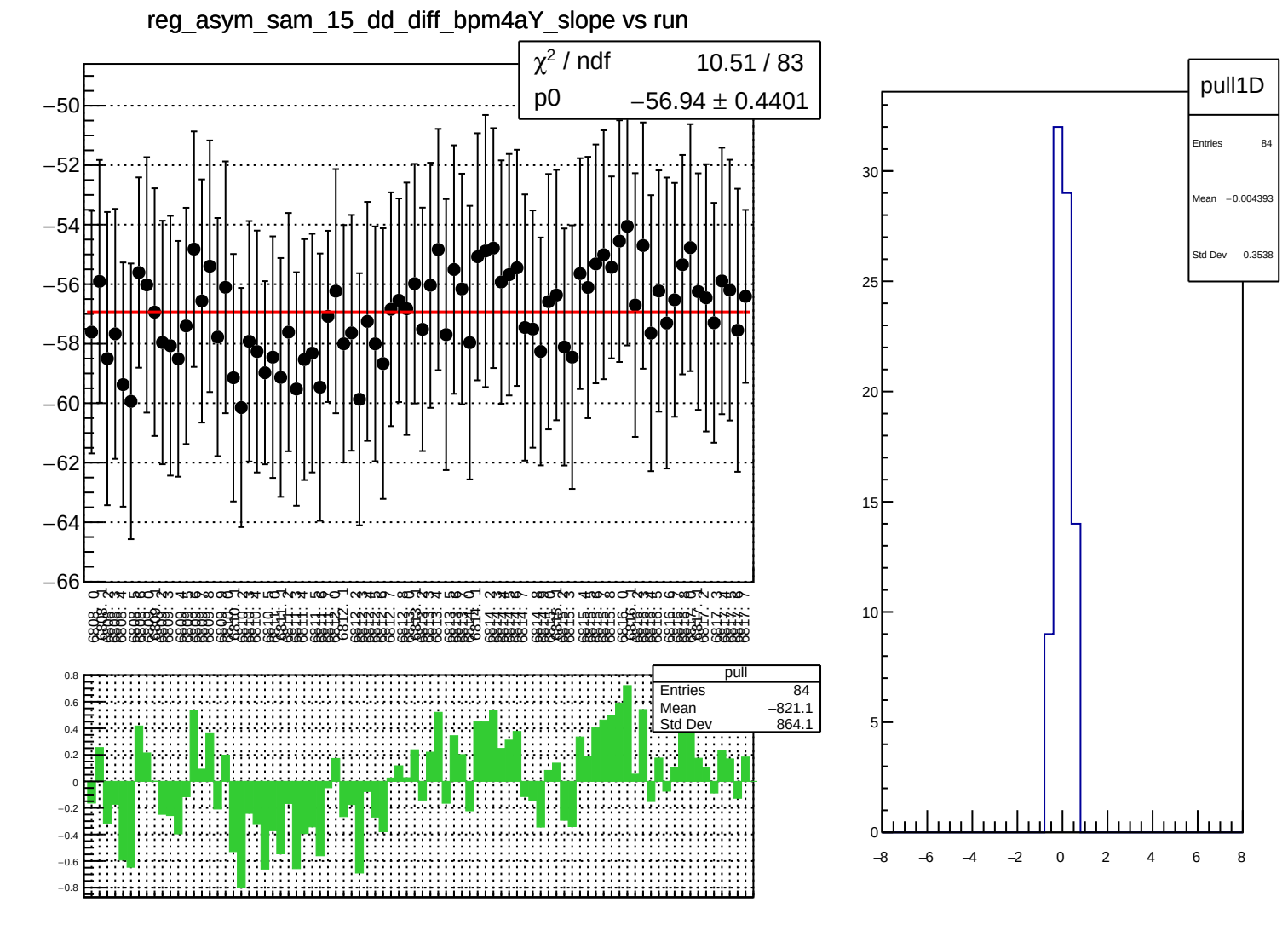

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.67 / 83
p0 48.78 ± 0.2467
54
52
50
48
46
44
pull
Entries 84
Mean −586.6
Std Dev 625.7
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.008499
Std Dev 0.4178
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

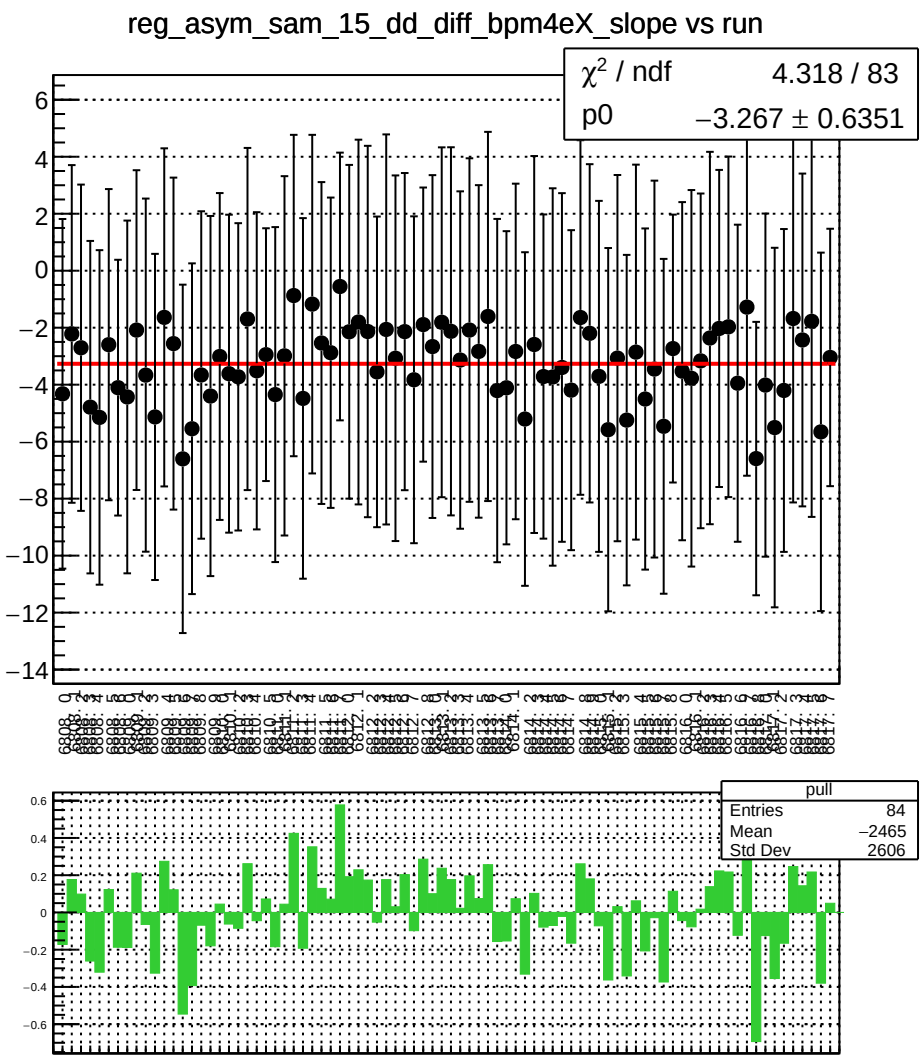

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 9.592 / 83
p0 0.09145 ± 0.01285
0.3
0.2
0.1
0
−0.1
pull
Entries 84
Mean −970.3
Std Dev 1010
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

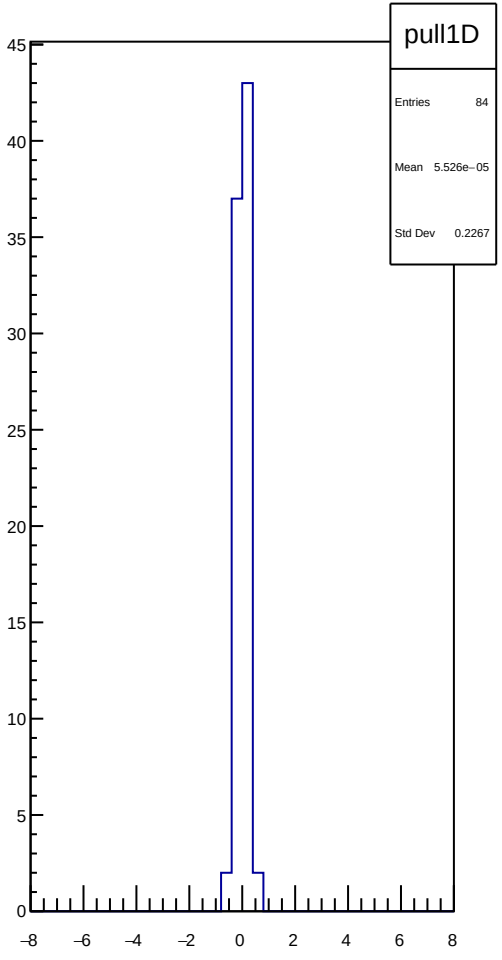

pull1D
Entries 84
Mean −0.00486
Std Dev 0.3379
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

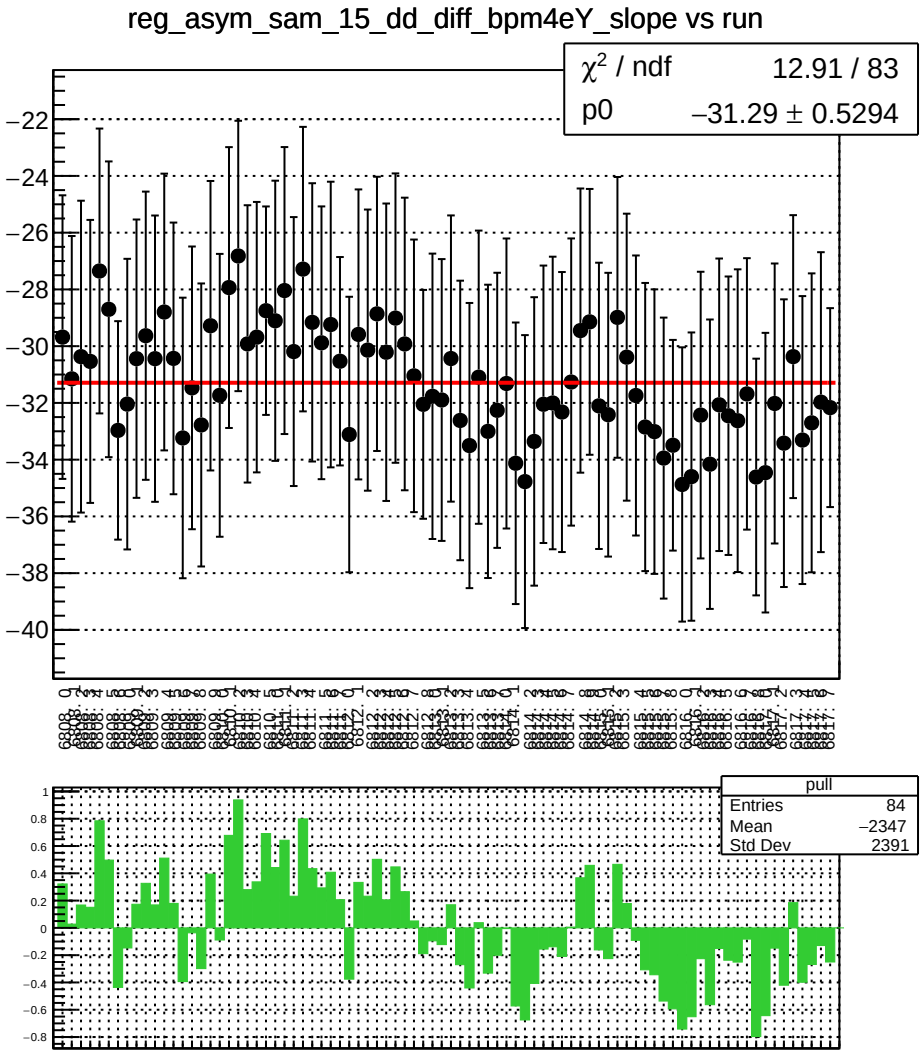

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 4.668 / 83
p0 −9.532 ± 0.679
pull
Entries 84
Mean −513.3
Std Dev 601

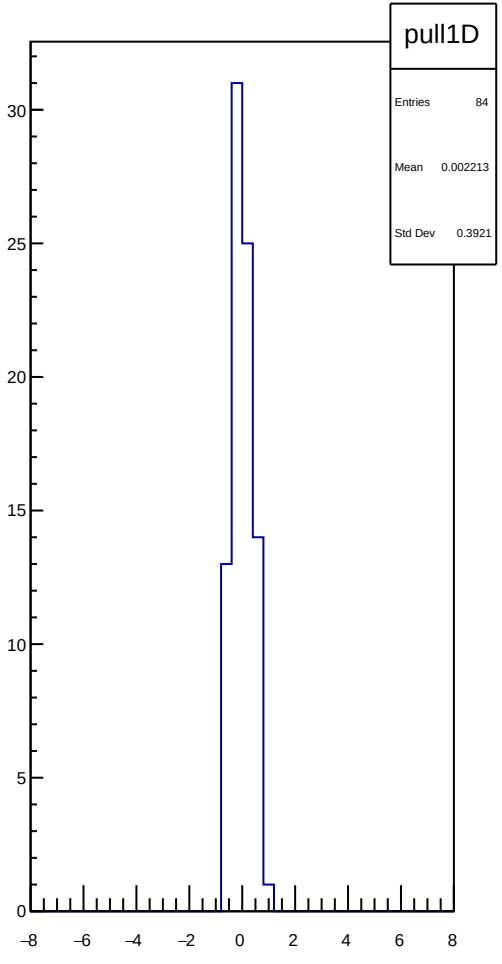

pull1D
Entries 84
Mean −0.0005421
Std Dev 0.2357

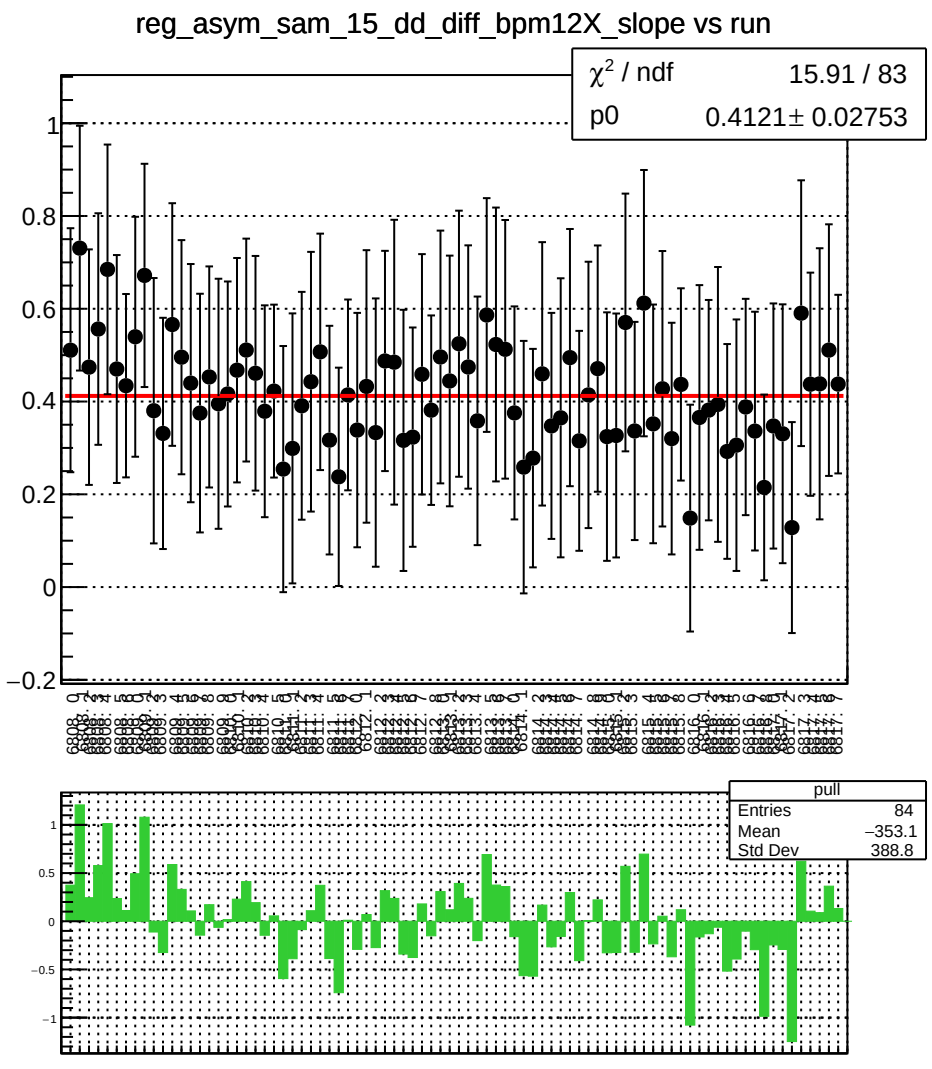

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.51 / 83
p0 −56.94 ± 0.4401
pull
Entries 84
Mean −821.1
Std Dev 864.1
pull1D
Entries 84
Mean −0.004393
Std Dev 0.3538

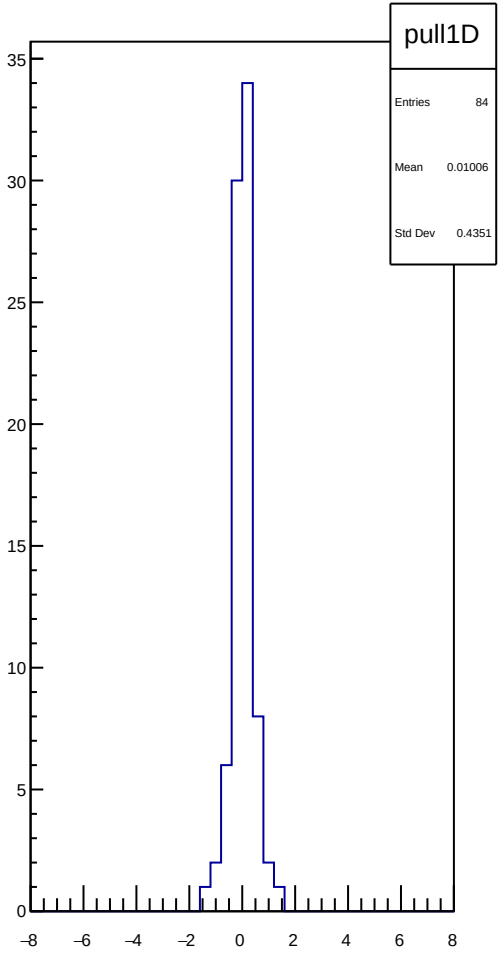

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.318 / 83
p0 −3.267 ± 0.6351
pull
Entries 84
Mean −2465
Std Dev 2606

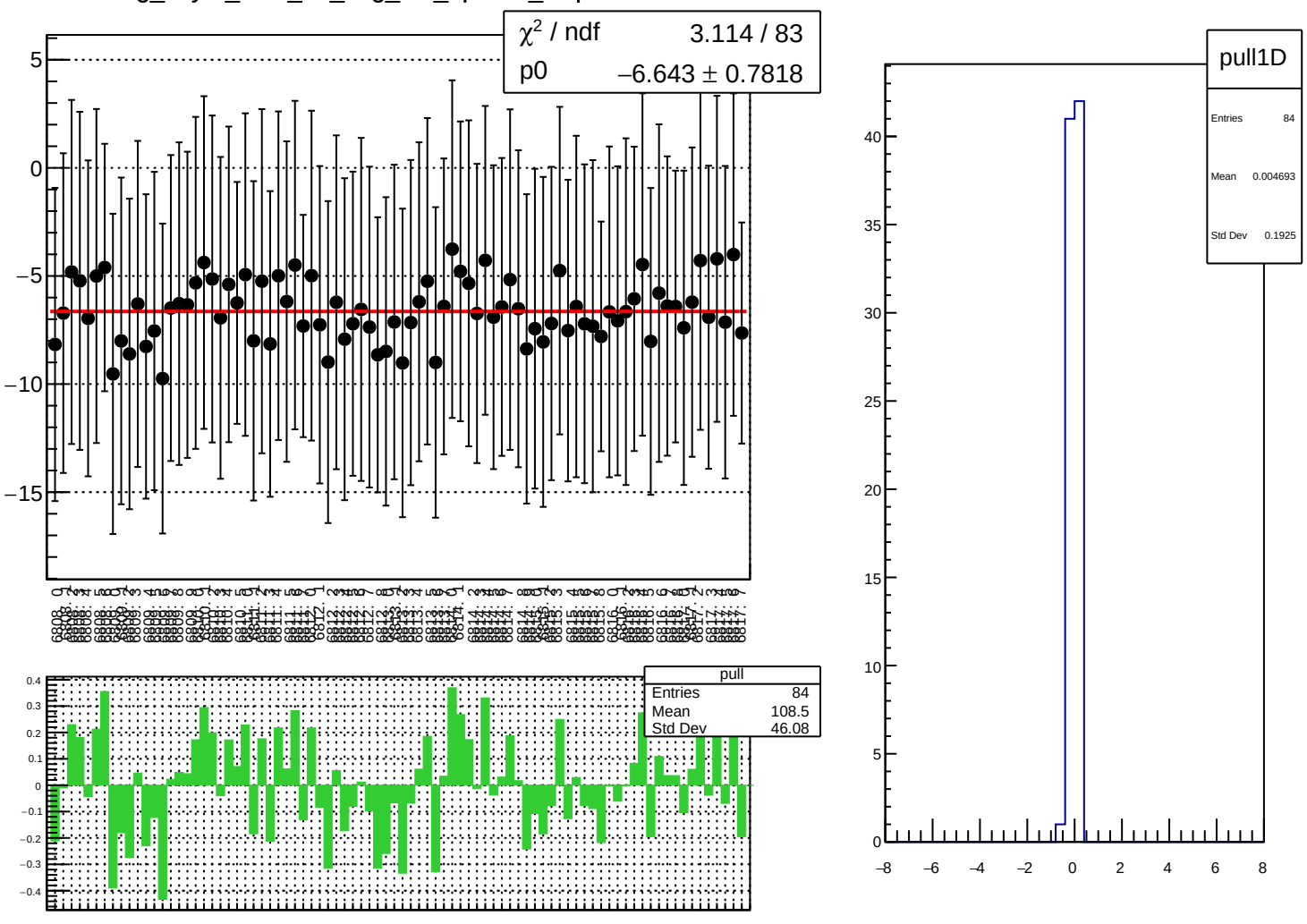

pull1D
Entries 84
Mean 5.526e−05
Std Dev 0.2267

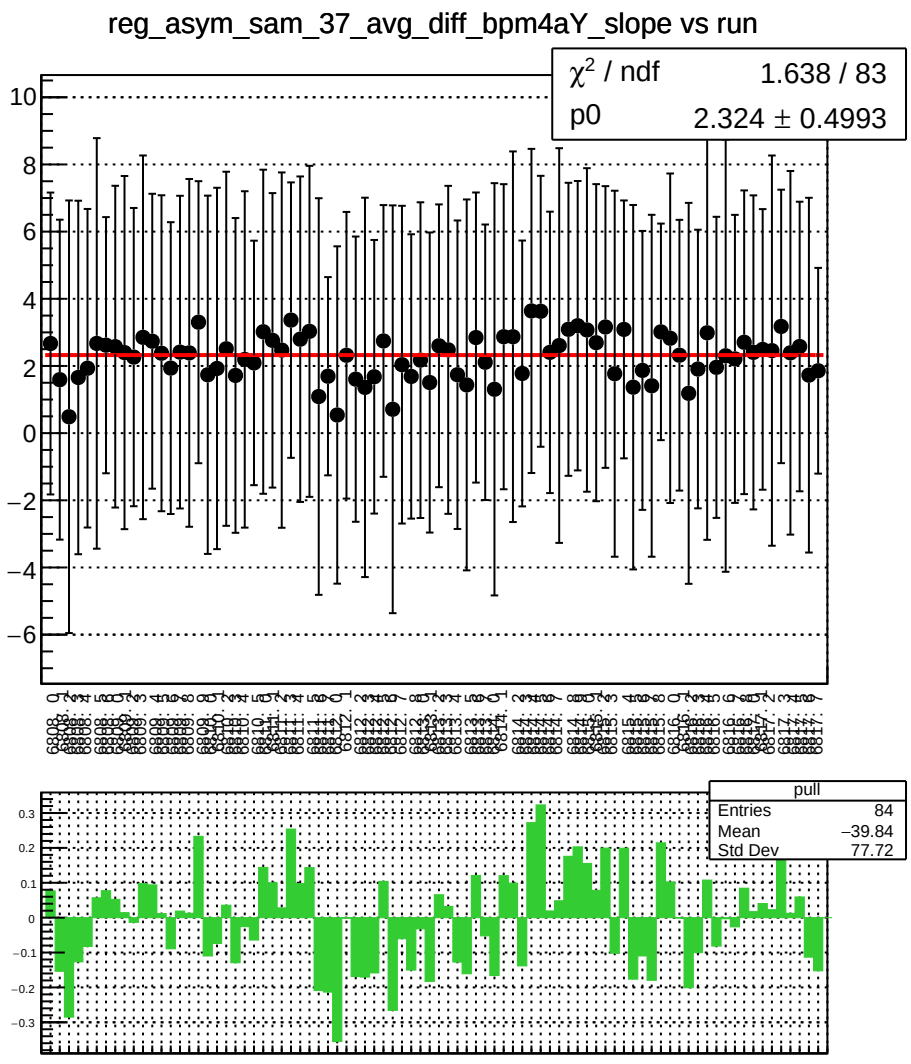

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.91 / 83
p0 −31.29 ± 0.5294
pull
Entries 84
Mean −2347
Std Dev 2391

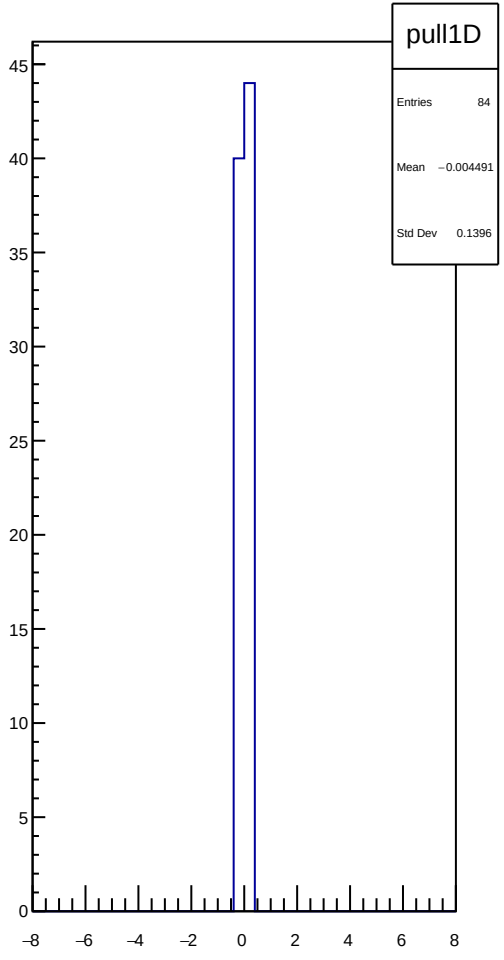

pull1D
Entries 84
Mean 0.002213
Std Dev 0.3921

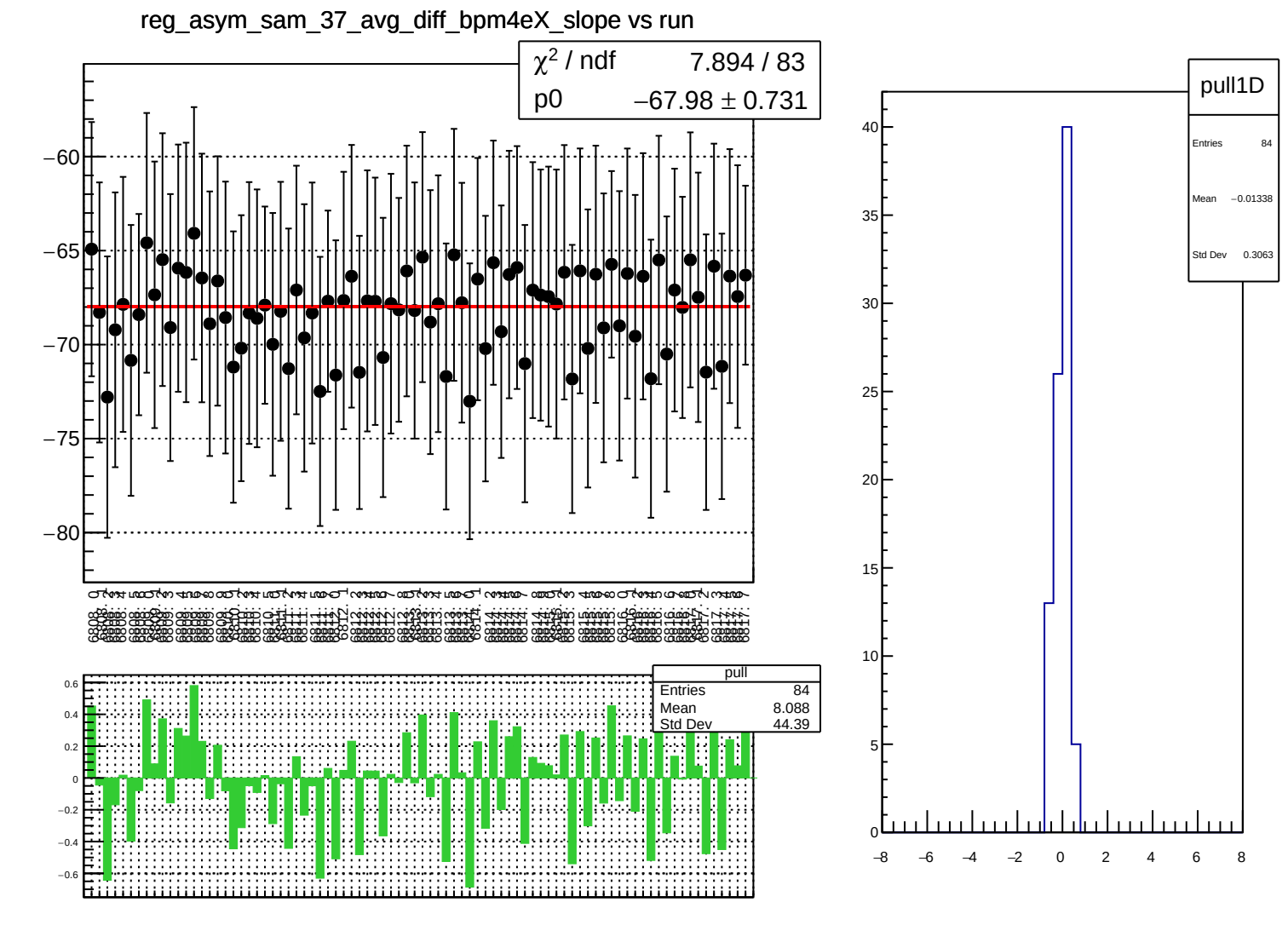

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 15.91 / 83
p0 0.4121± 0.02753
pull
Entries 84
Mean −353.1
Std Dev 388.8

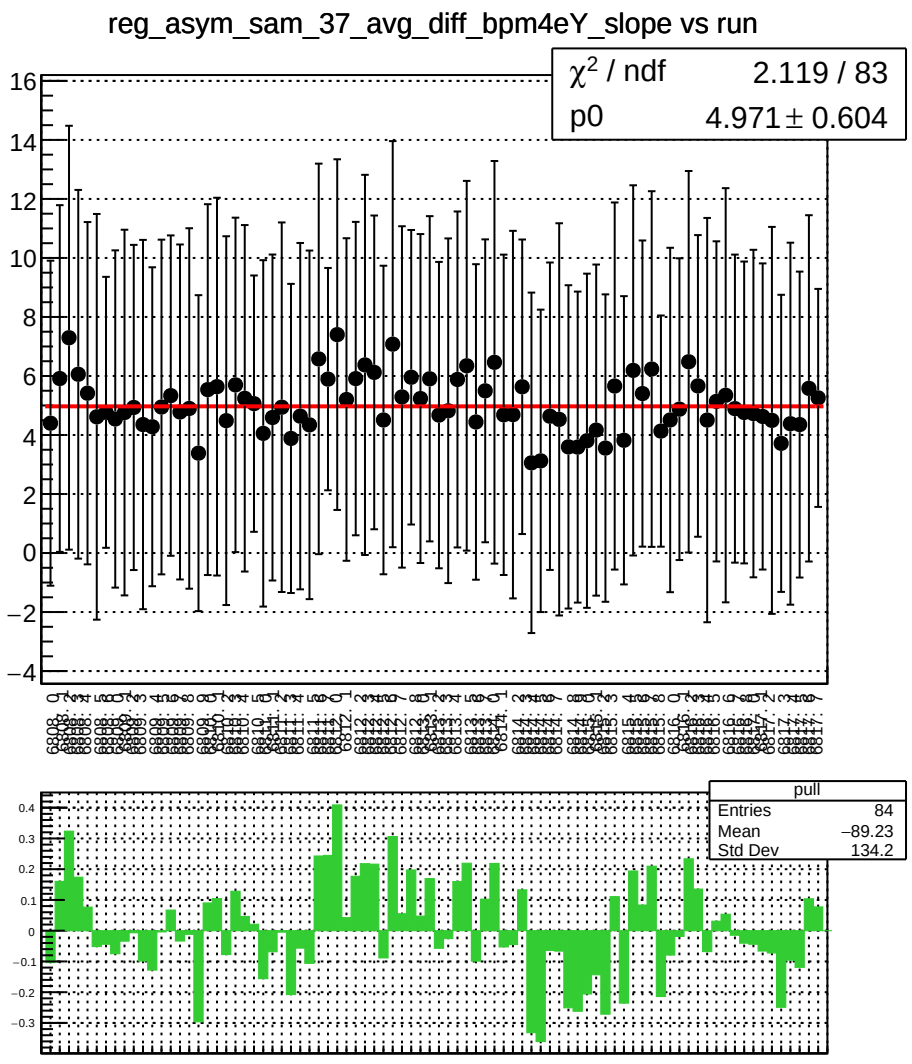

pull1D
Entries 84
Mean 0.01006
Std Dev 0.4351

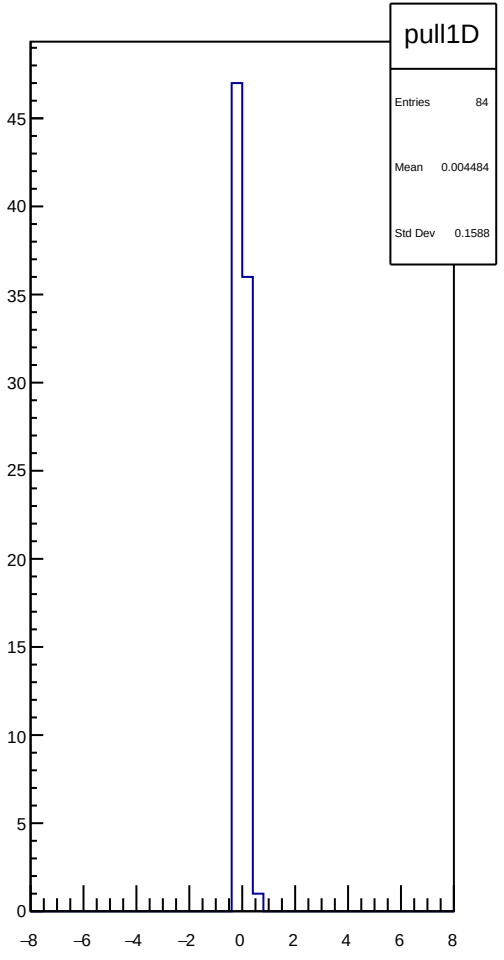

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 3.114 / 83
p0 −6.643 ± 0.7818
pull
Entries 84
Mean 108.5
Std Dev 46.08
pull1D
Entries 84
Mean 0.004693
Std Dev 0.1925

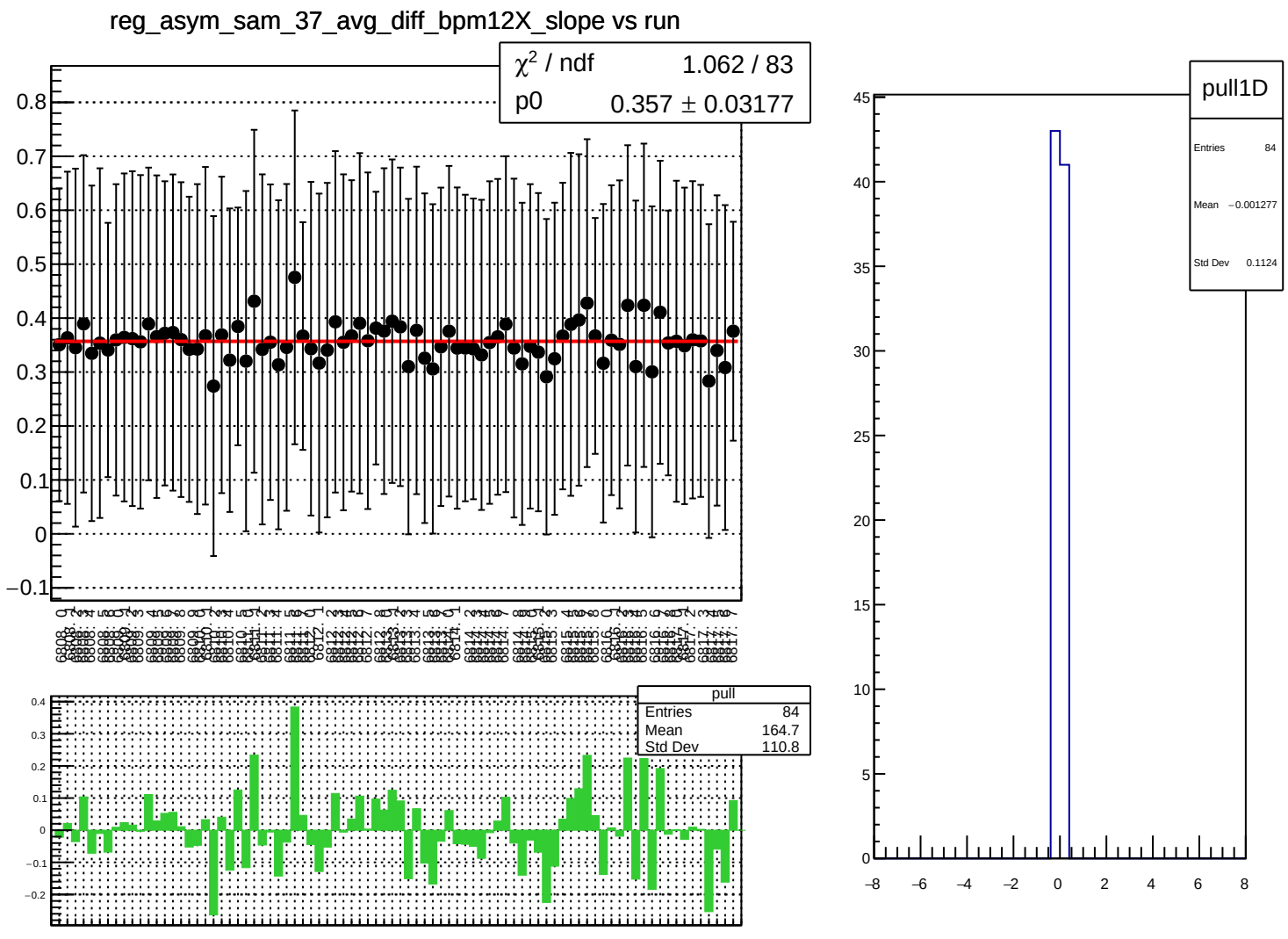

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.638 / 83
p0 2.324 ± 0.4993
pull
Entries 84
Mean −39.84
Std Dev 77.72

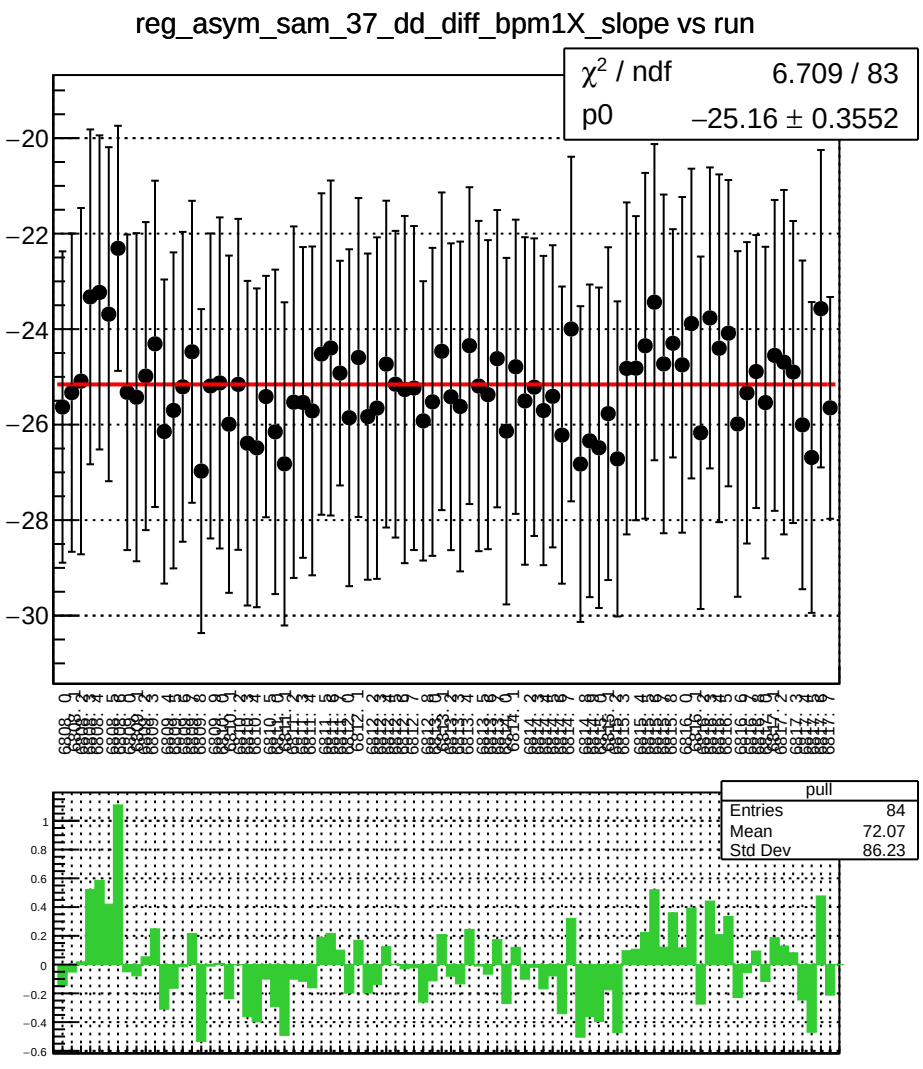

pull1D
Entries 84
Mean −0.004491
Std Dev 0.1396

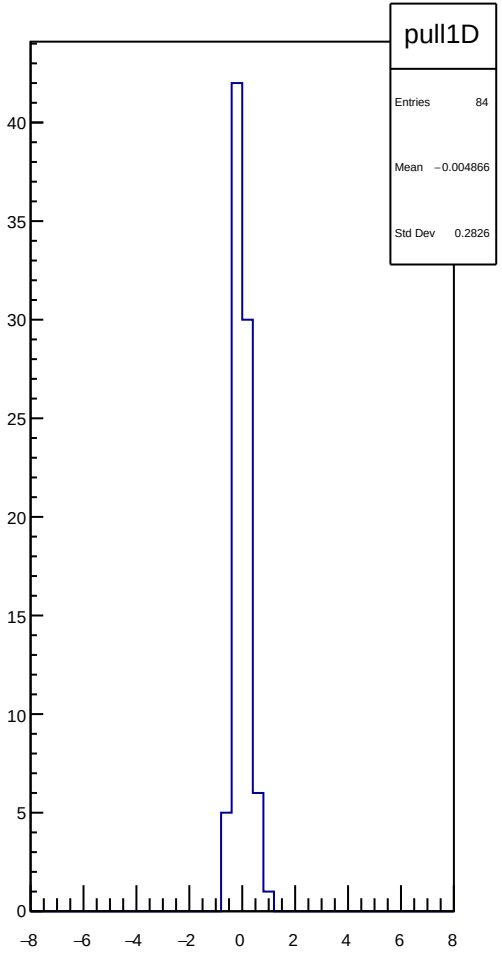

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.894 / 83
p0 −67.98 ± 0.731
−60
−65
−70
−75
−80
pull
Entries 84
Mean 8.088
Std Dev 44.39
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 84
Mean −0.01338
Std Dev 0.3063
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

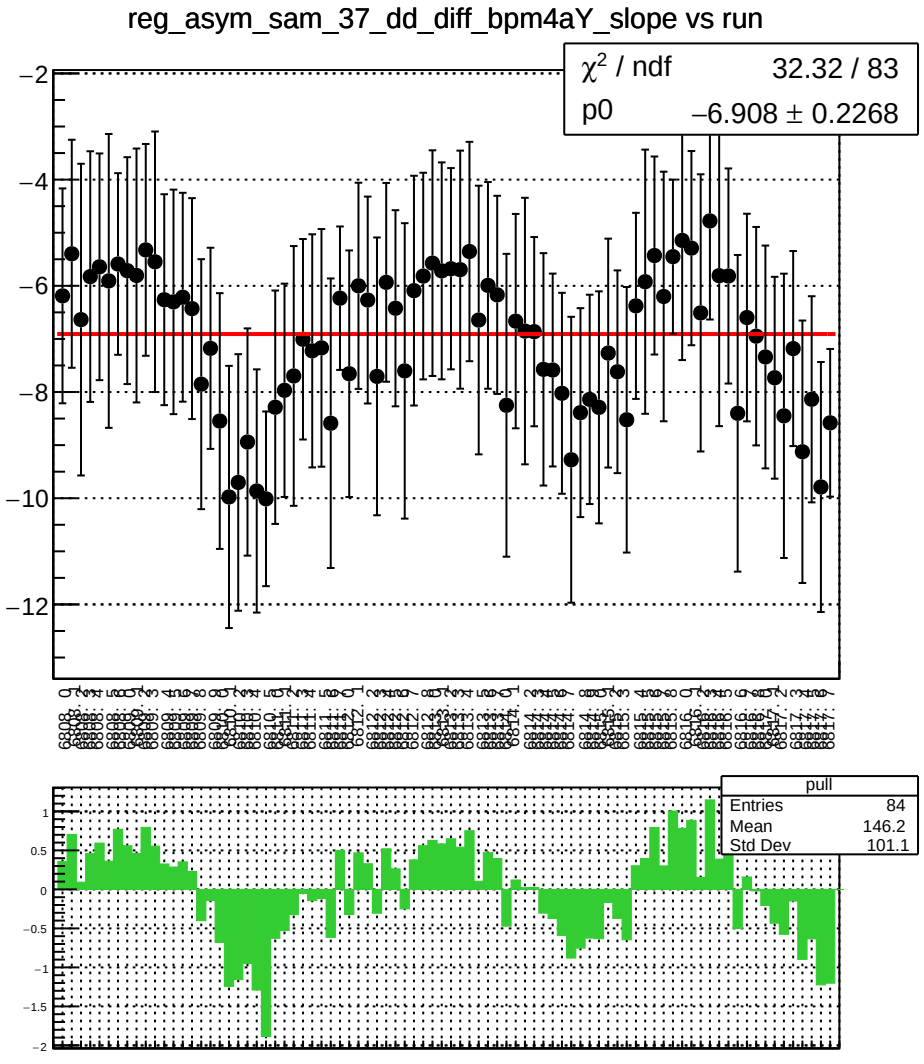

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.119 / 83
p0 4.971 ± 0.604
pull
Entries 84
Mean −89.23
Std Dev 134.2

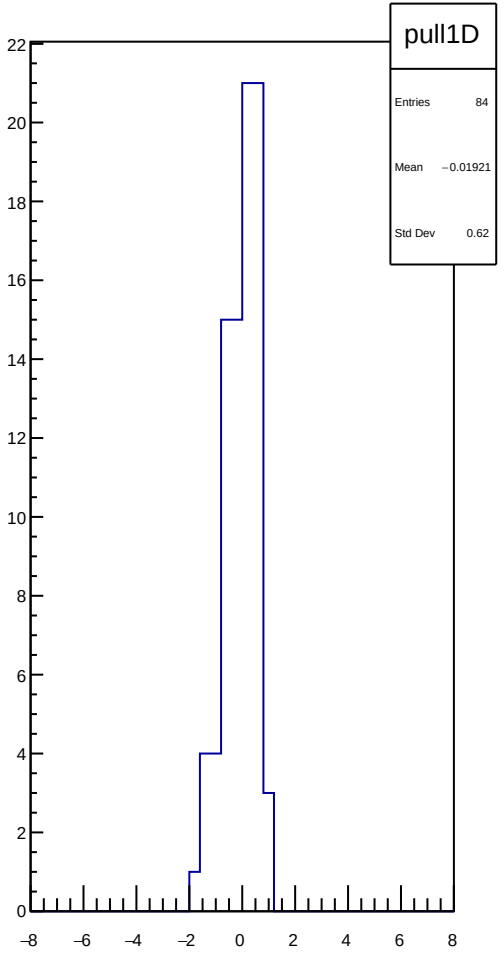

pull1D
Entries 84
Mean 0.004484
Std Dev 0.1588

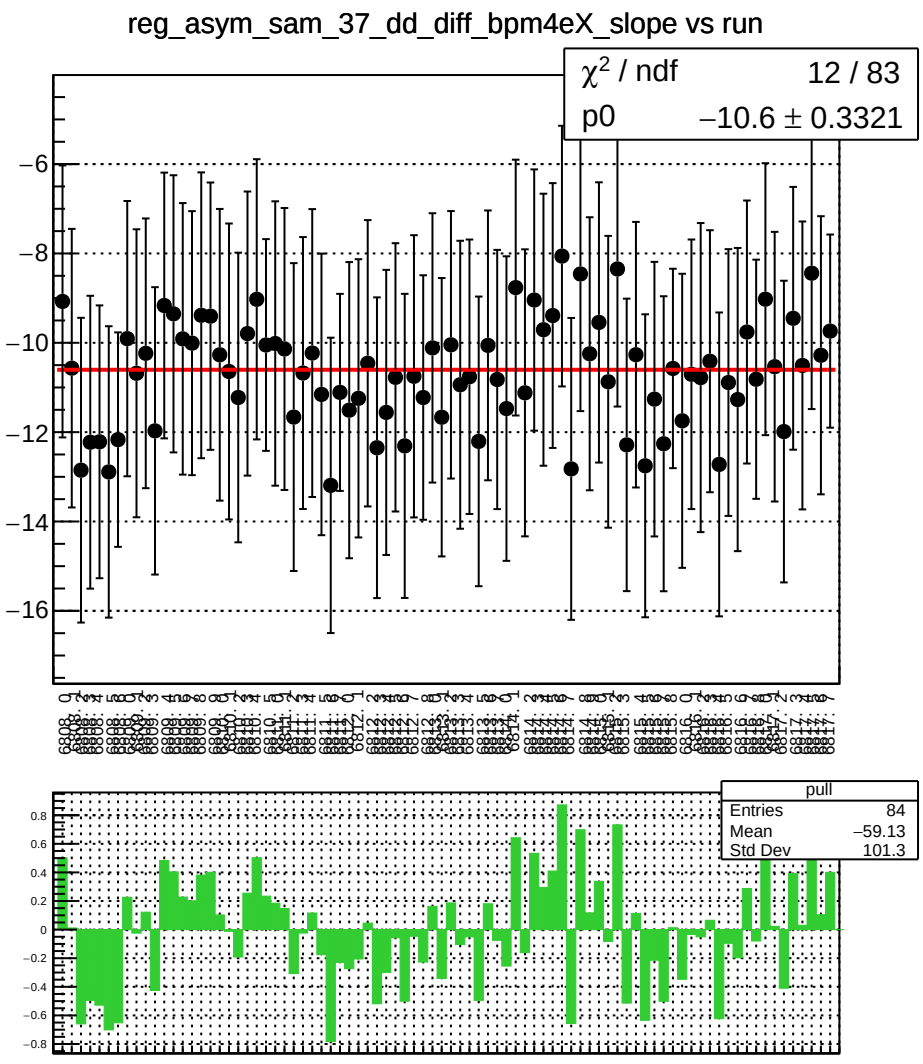

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.062 / 83
p0 0.357 ± 0.03177
pull
Entries 84
Mean 164.7
Std Dev 110.8
pull1D
Entries 84
Mean −0.001277
Std Dev 0.1124

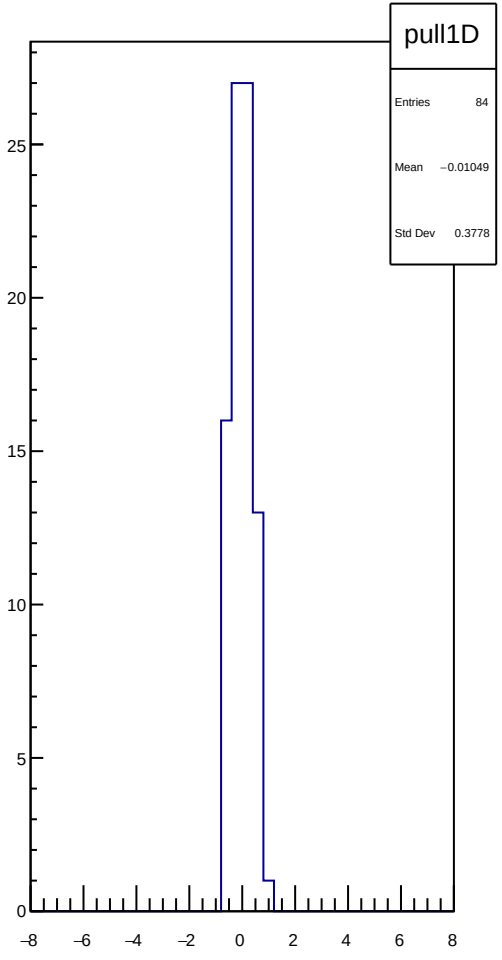

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 6.709 / 83
p0 −25.16 ± 0.3552
pull
Entries 84
Mean 72.07
Std Dev 86.23

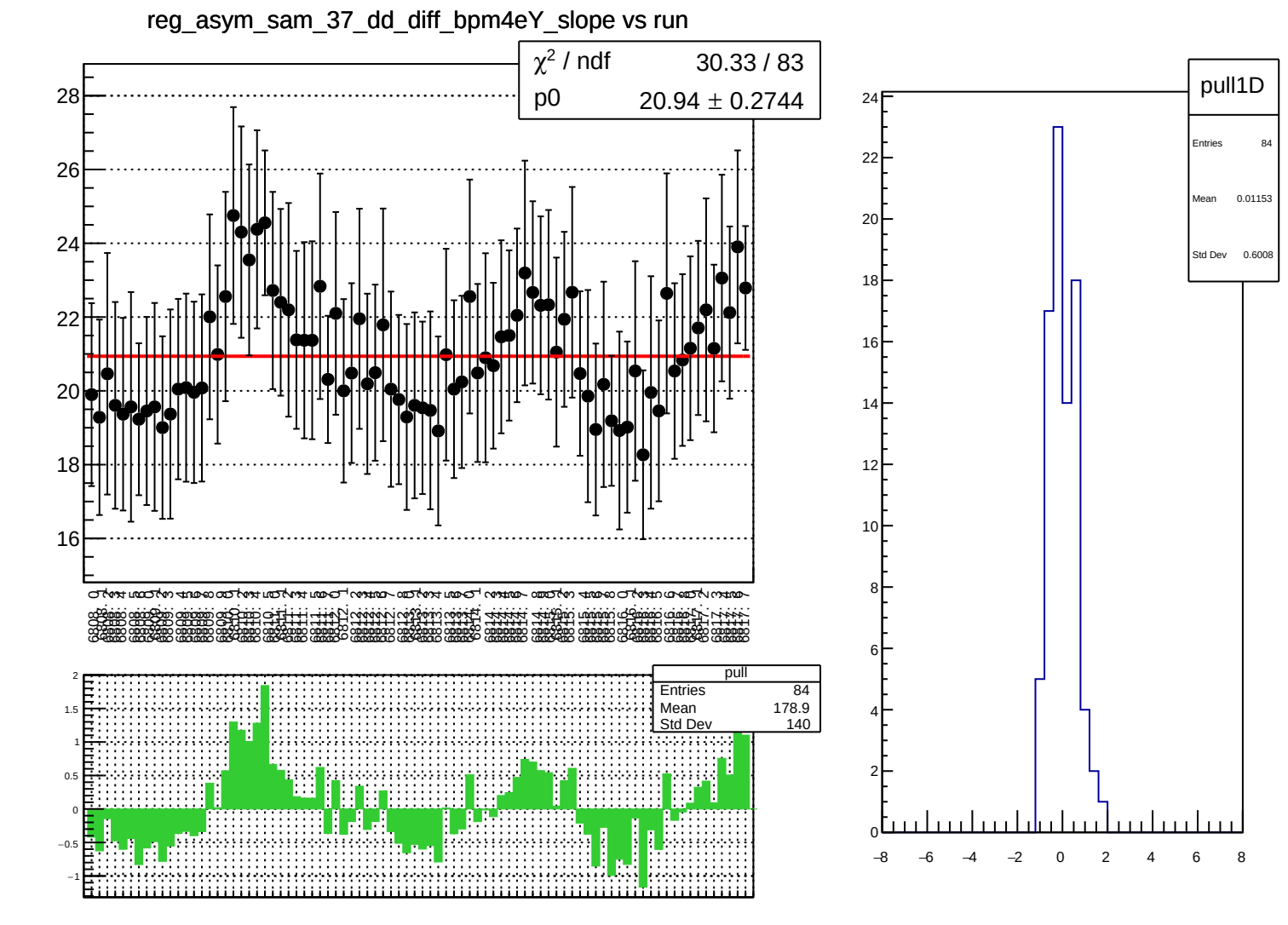

pull1D
Entries 84
Mean −0.004866
Std Dev 0.2826

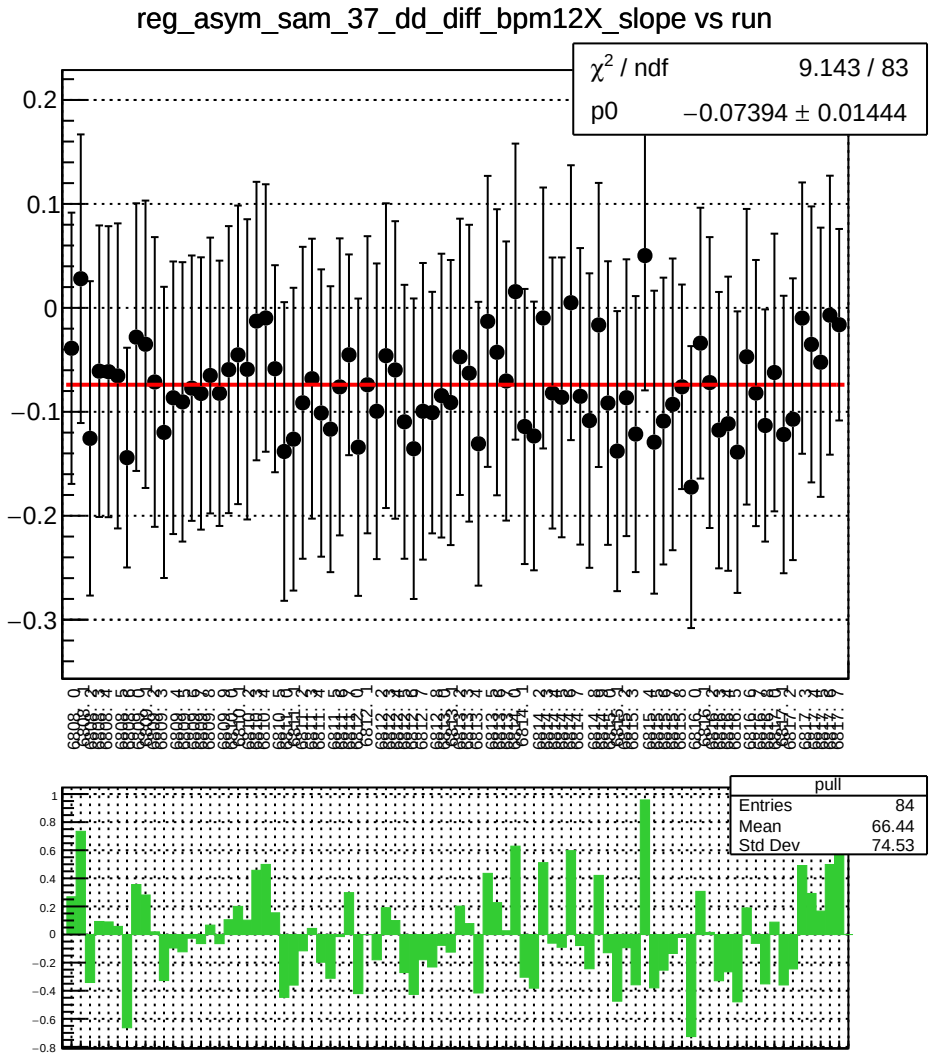

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.32 / 83
p0 −6.908 ± 0.2268
pull
Entries 84
Mean 146.2
Std Dev 101.1

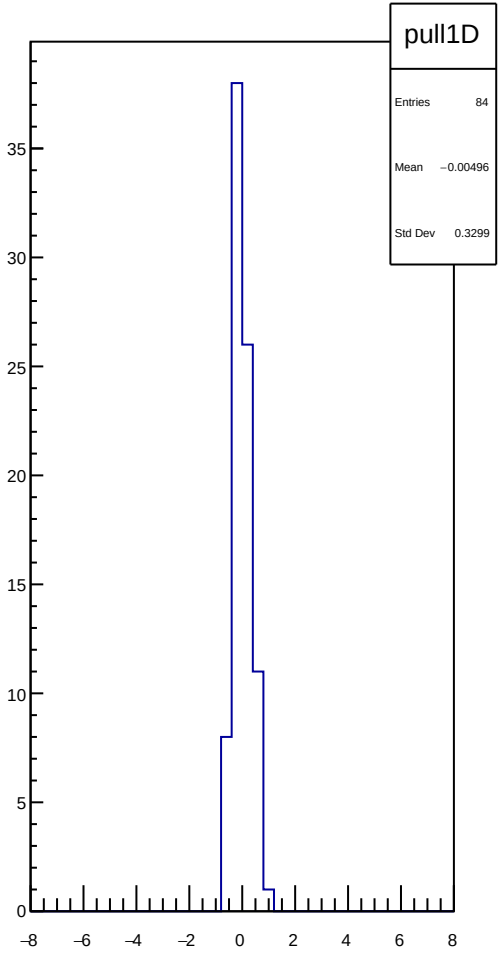

pull1D
Entries 84
Mean −0.01921
Std Dev 0.62

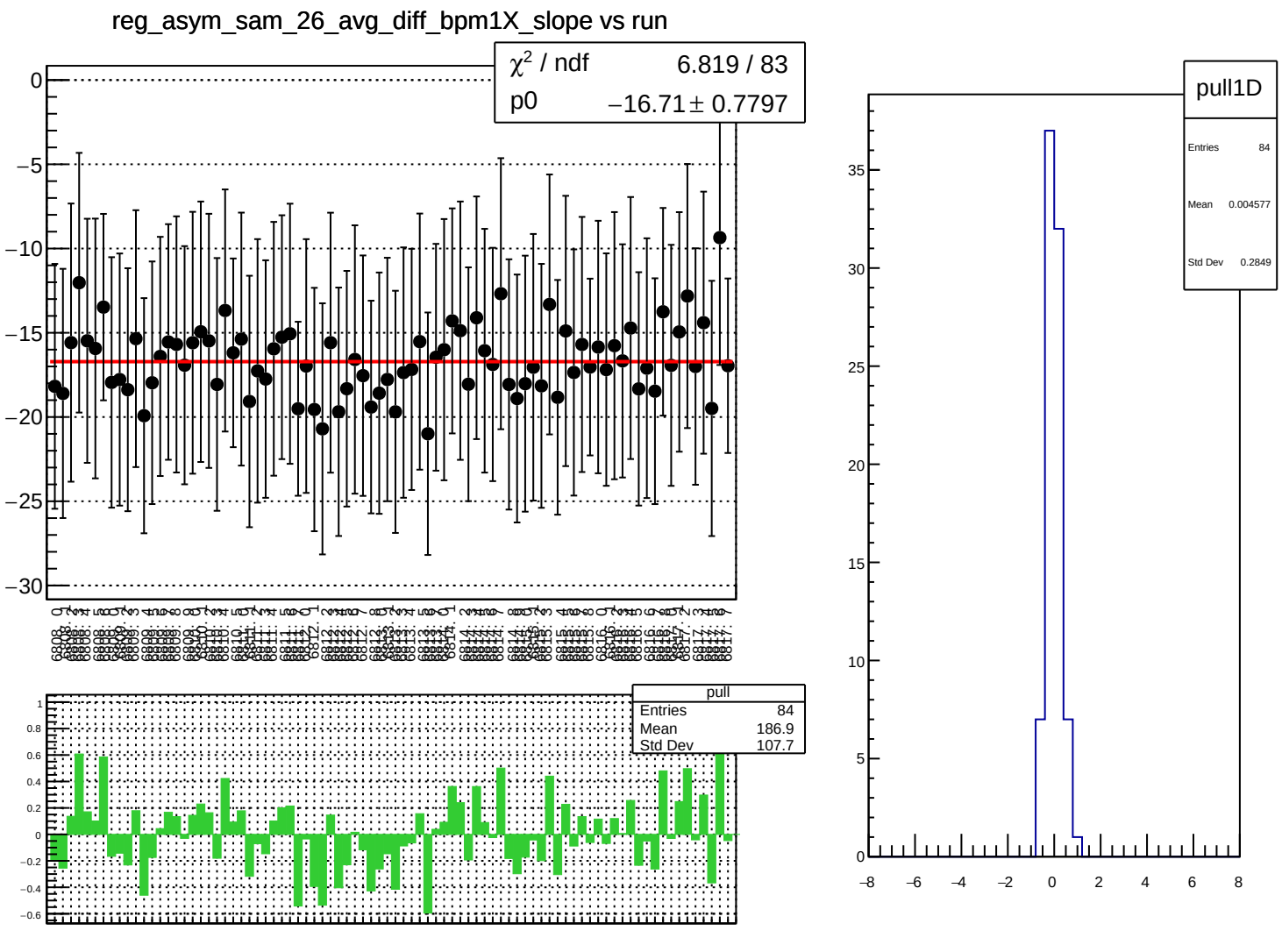

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12 / 83
p0 −10.6 ± 0.3321
pull
Entries 84
Mean −59.13
Std Dev 101.3

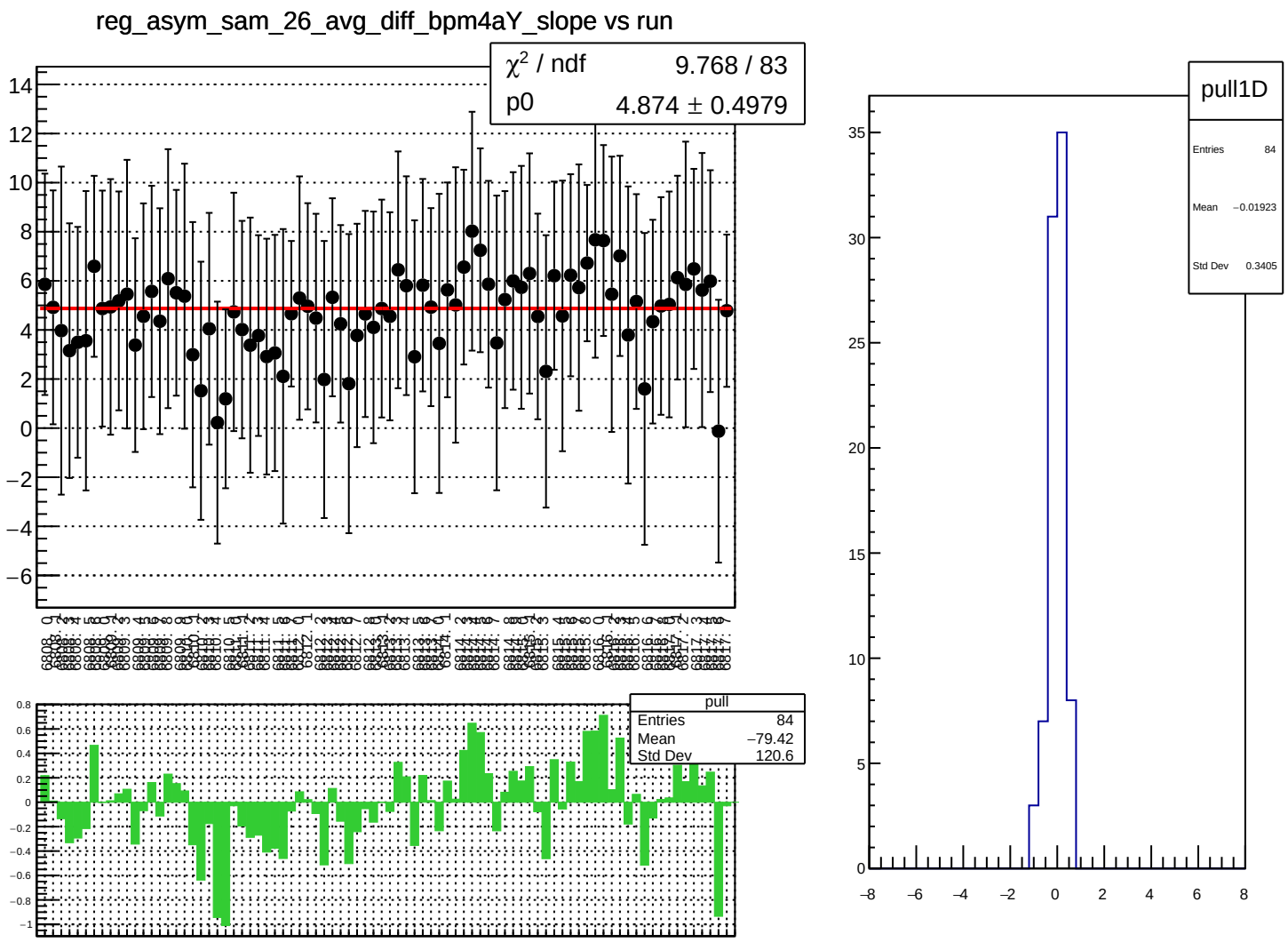

pull1D
Entries 84
Mean −0.01049
Std Dev 0.3778

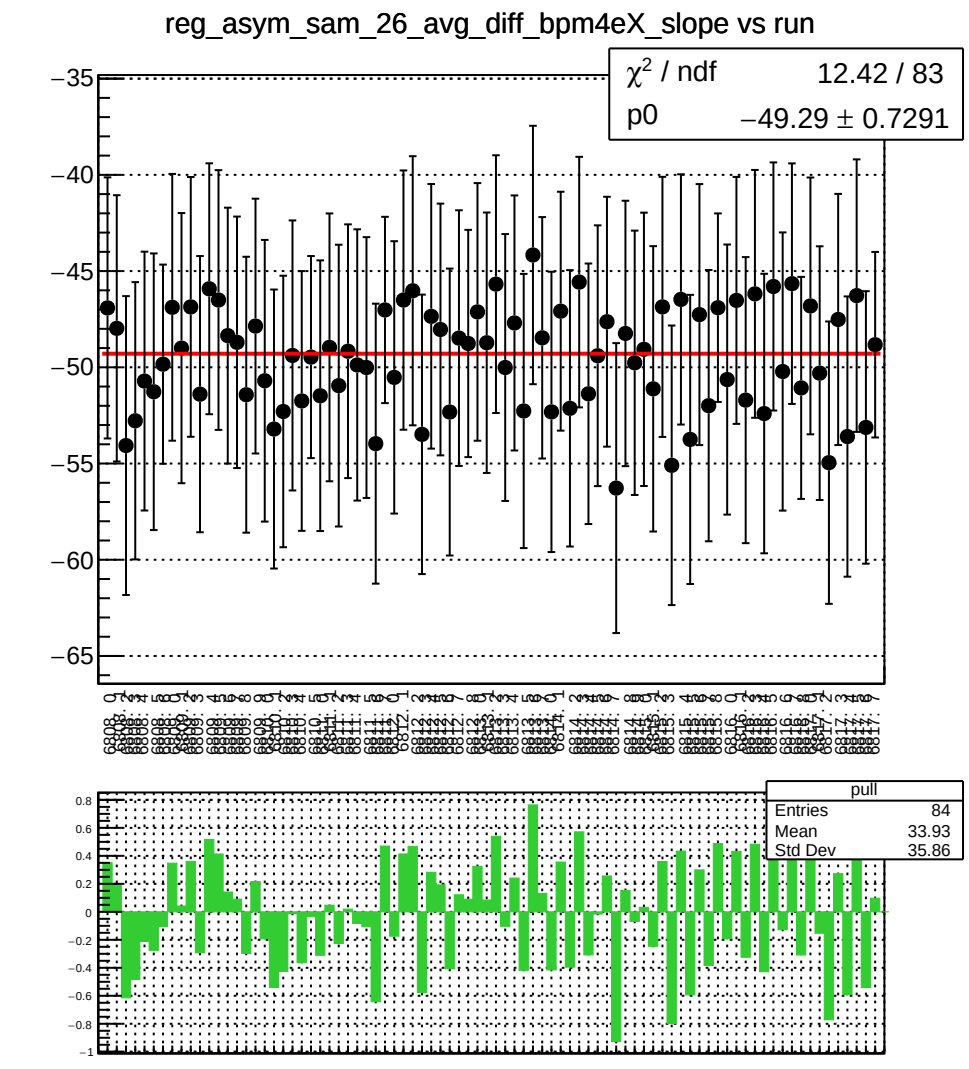

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.33 / 83
p0 20.94 ± 0.2744
pull
Entries 84
Mean 178.9
Std Dev 140
pull1D
Entries 84
Mean 0.01153
Std Dev 0.6008

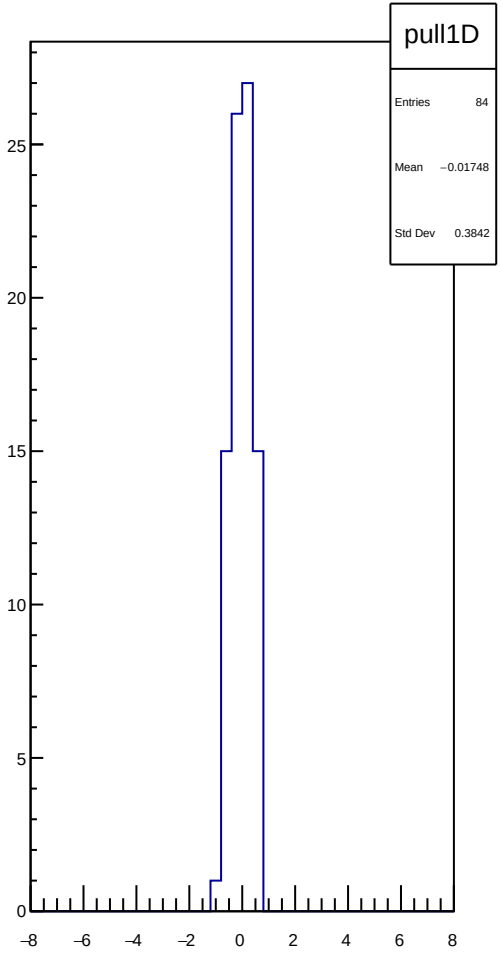

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 9.143 / 83
p0 −0.07394 ± 0.01444
pull
Entries 84
Mean 66.44
Std Dev 74.53

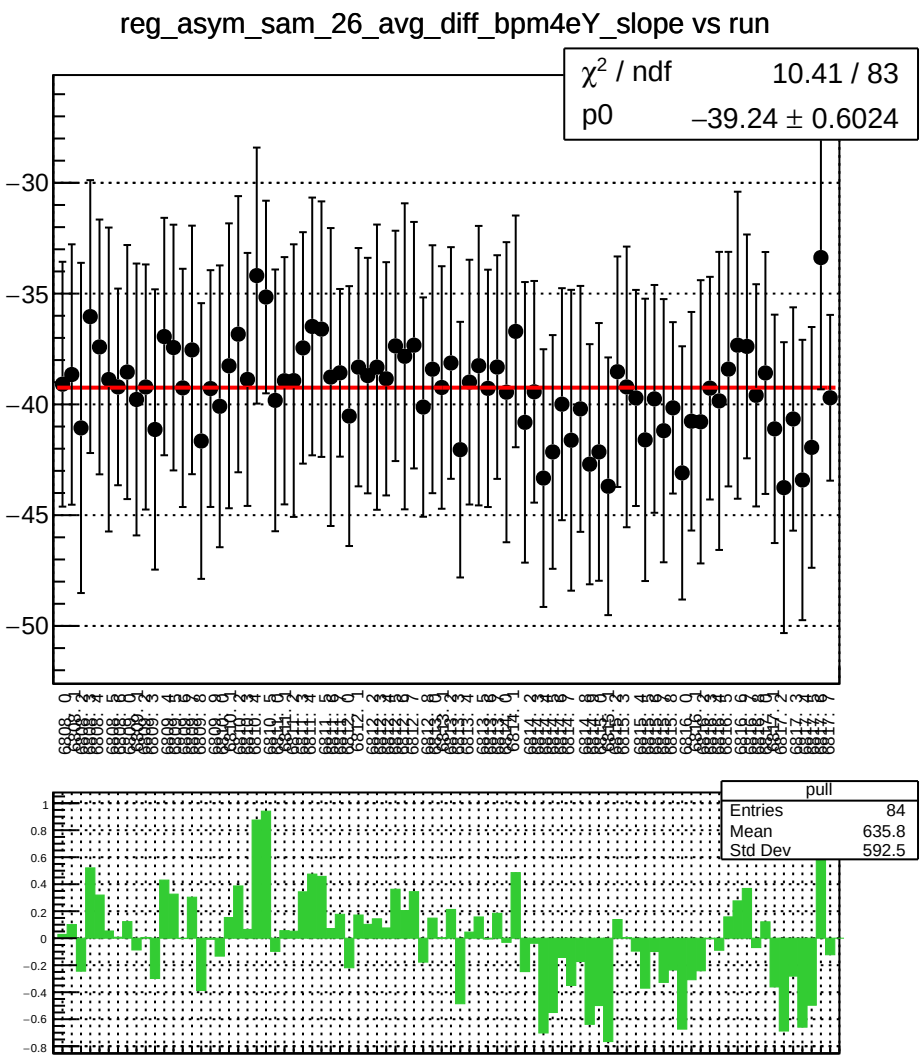

pull1D
Entries 84
Mean −0.00496
Std Dev 0.3299

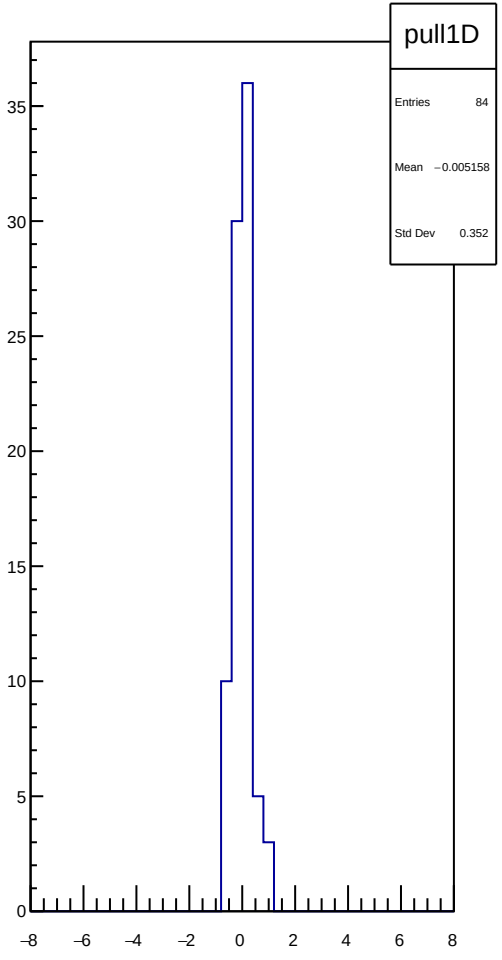

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 6.819 / 83
p0 −16.71 ± 0.7797
pull
Entries 84
Mean 186.9
Std Dev 107.7
pull1D
Entries 84
Mean 0.004577
Std Dev 0.2849

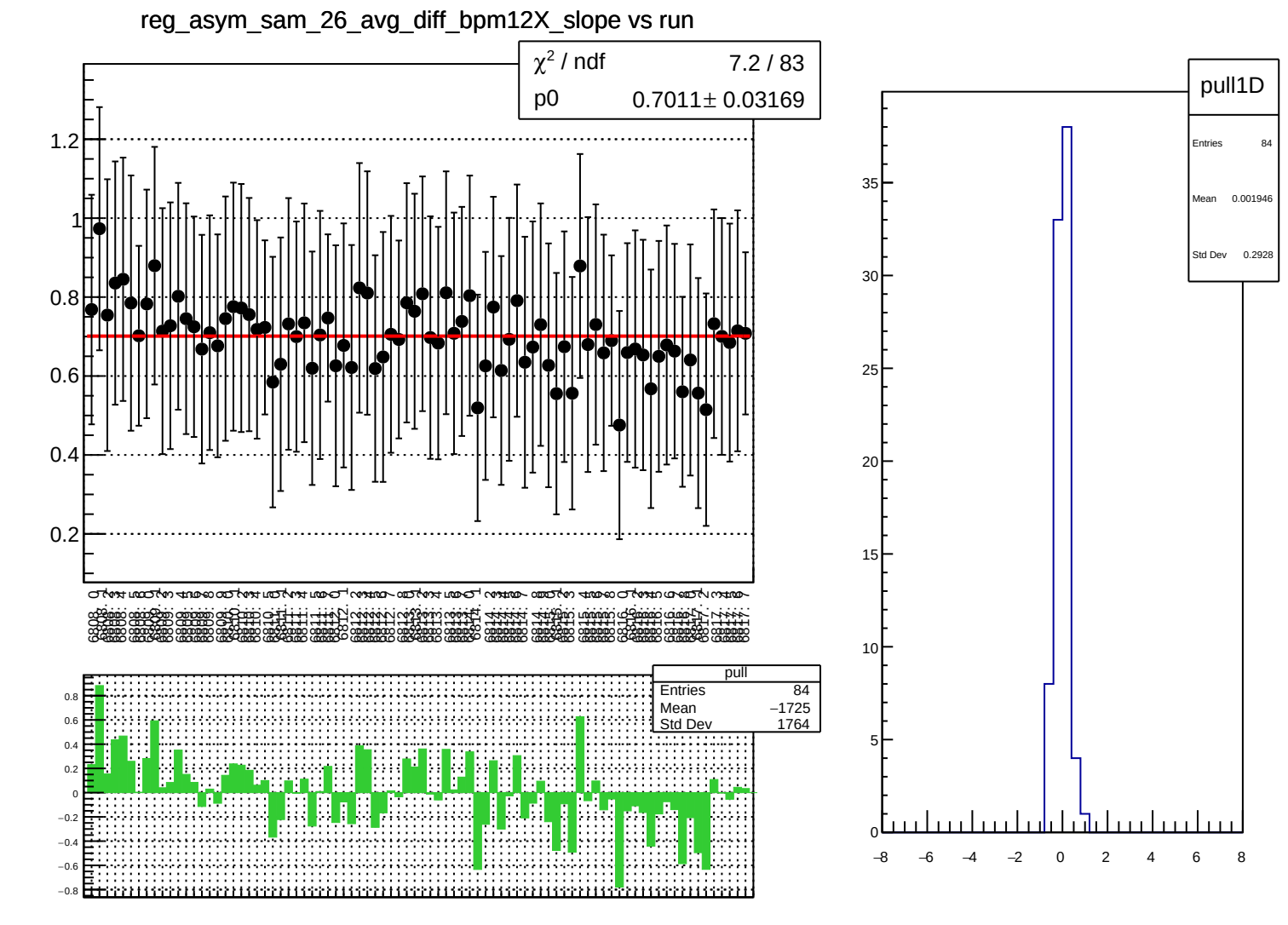

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.768 / 83
p0 4.874 ± 0.4979
pull
Entries 84
Mean −79.42
Std Dev 120.6
pull1D
Entries 84
Mean −0.01923
Std Dev 0.3405

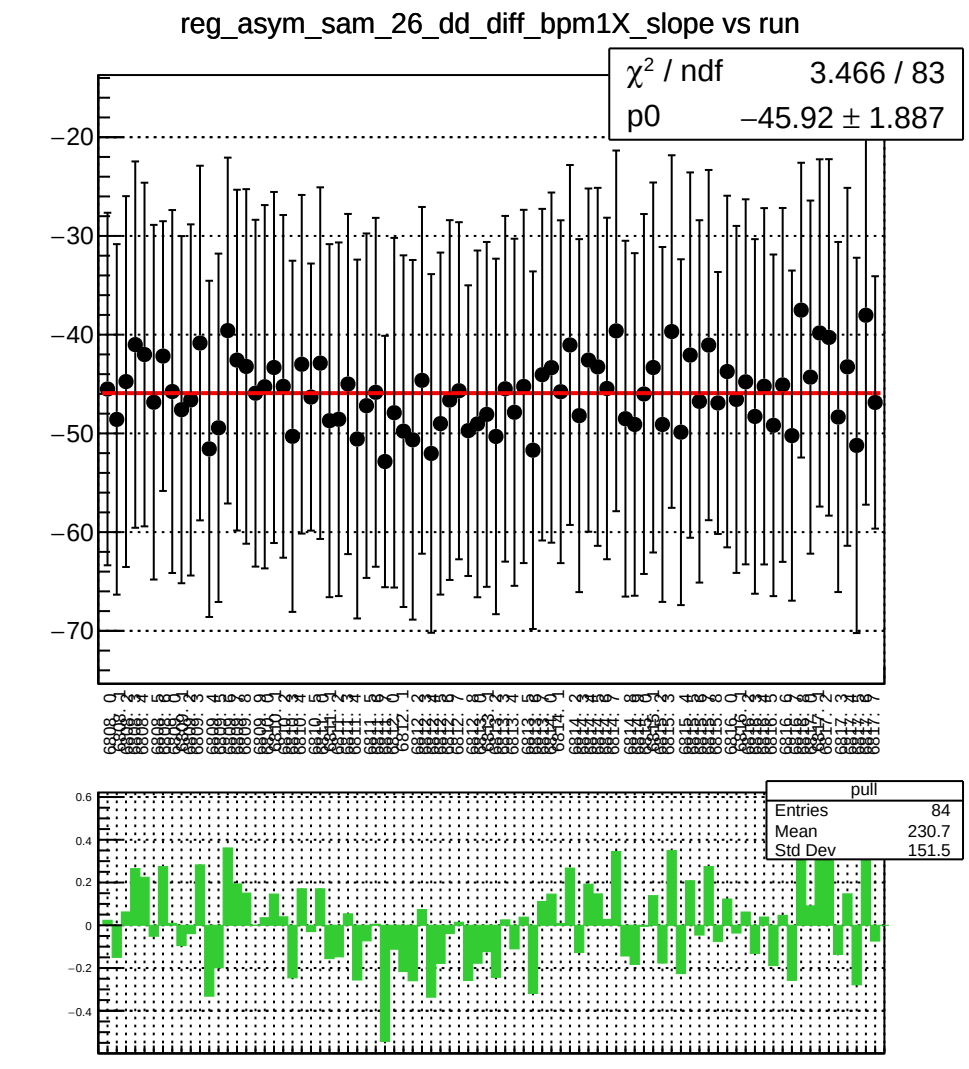

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.42 / 83
p0 −49.29 ± 0.7291
pull
Entries 84
Mean 33.93
Std Dev 35.86

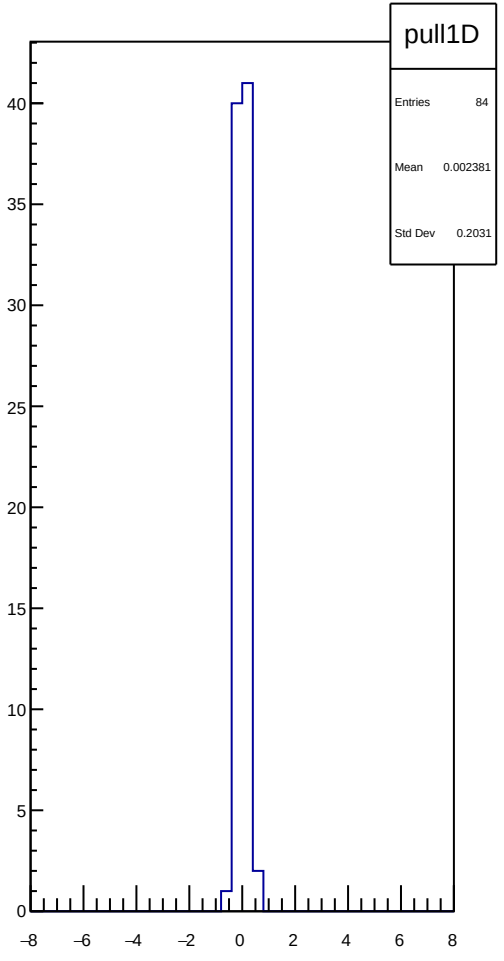

pull1D
Entries 84
Mean −0.01748
Std Dev 0.3842

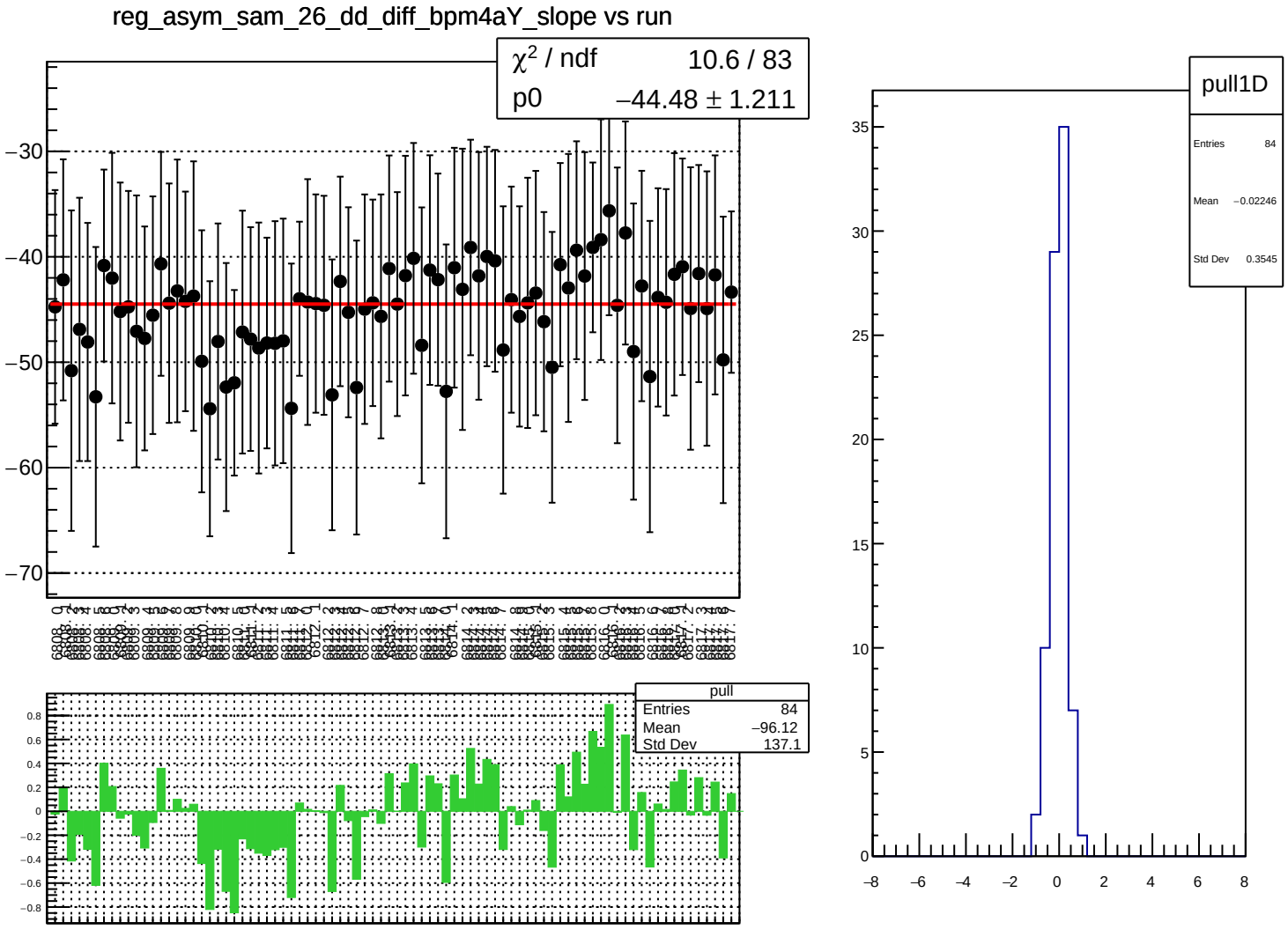

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.41 / 83
p0 −39.24 ± 0.6024
pull
Entries 84
Mean 635.8
Std Dev 592.5

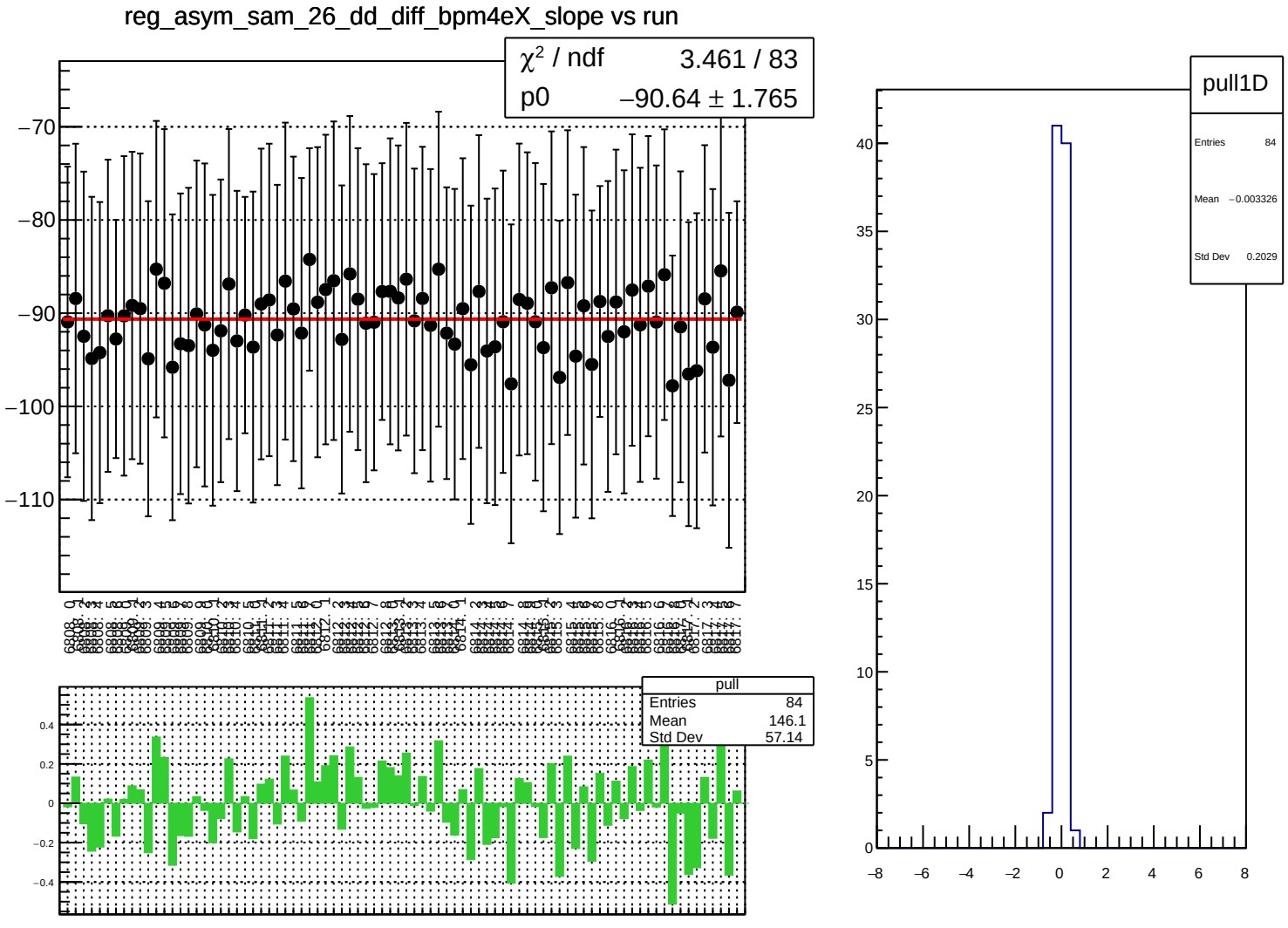

pull1D
Entries 84
Mean −0.005158
Std Dev 0.352

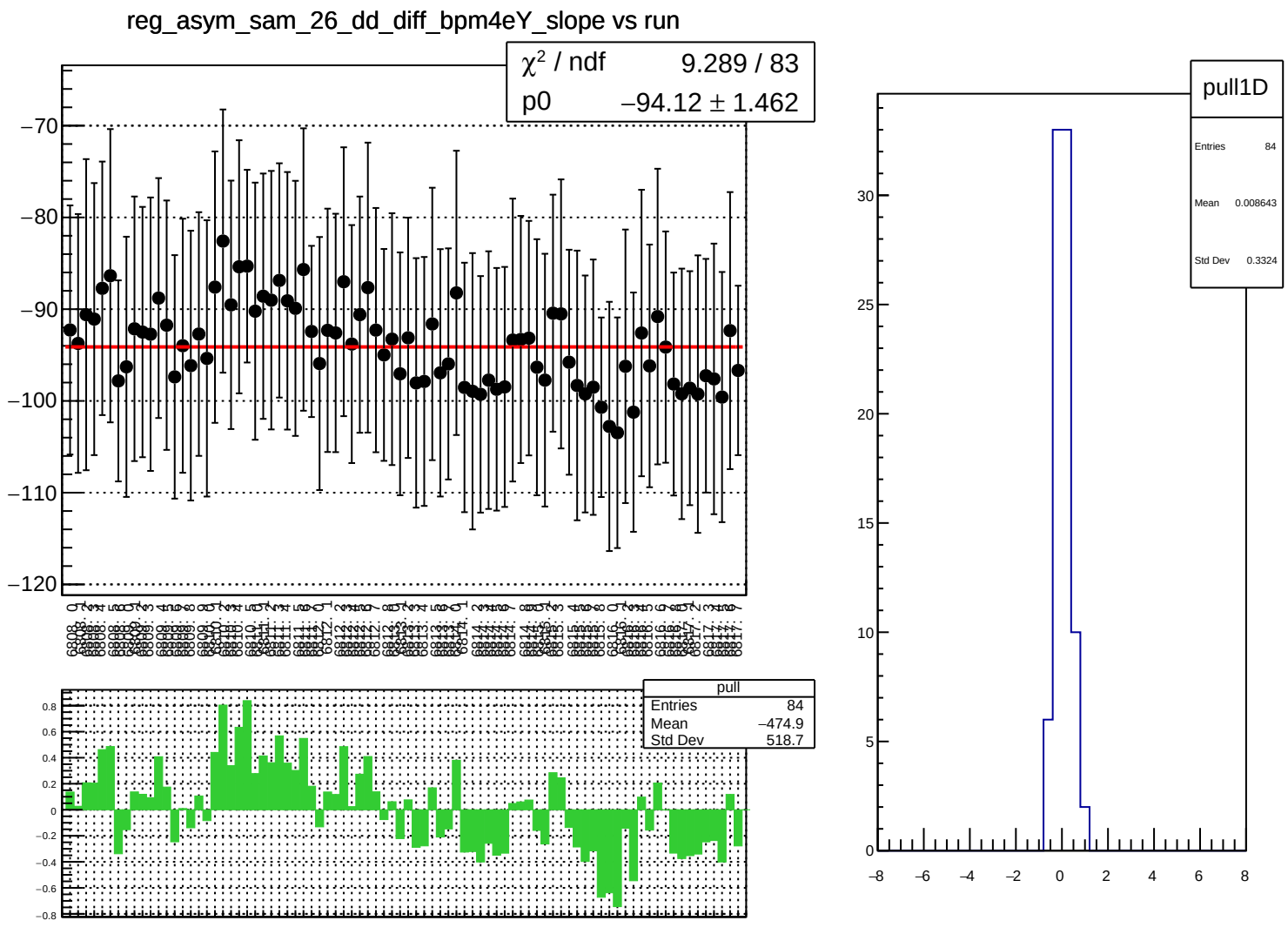

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.2 / 83
p0 0.7011± 0.03169
pull
Entries 84
Mean −1725
Std Dev 1764
pull1D
Entries 84
Mean 0.001946
Std Dev 0.2928

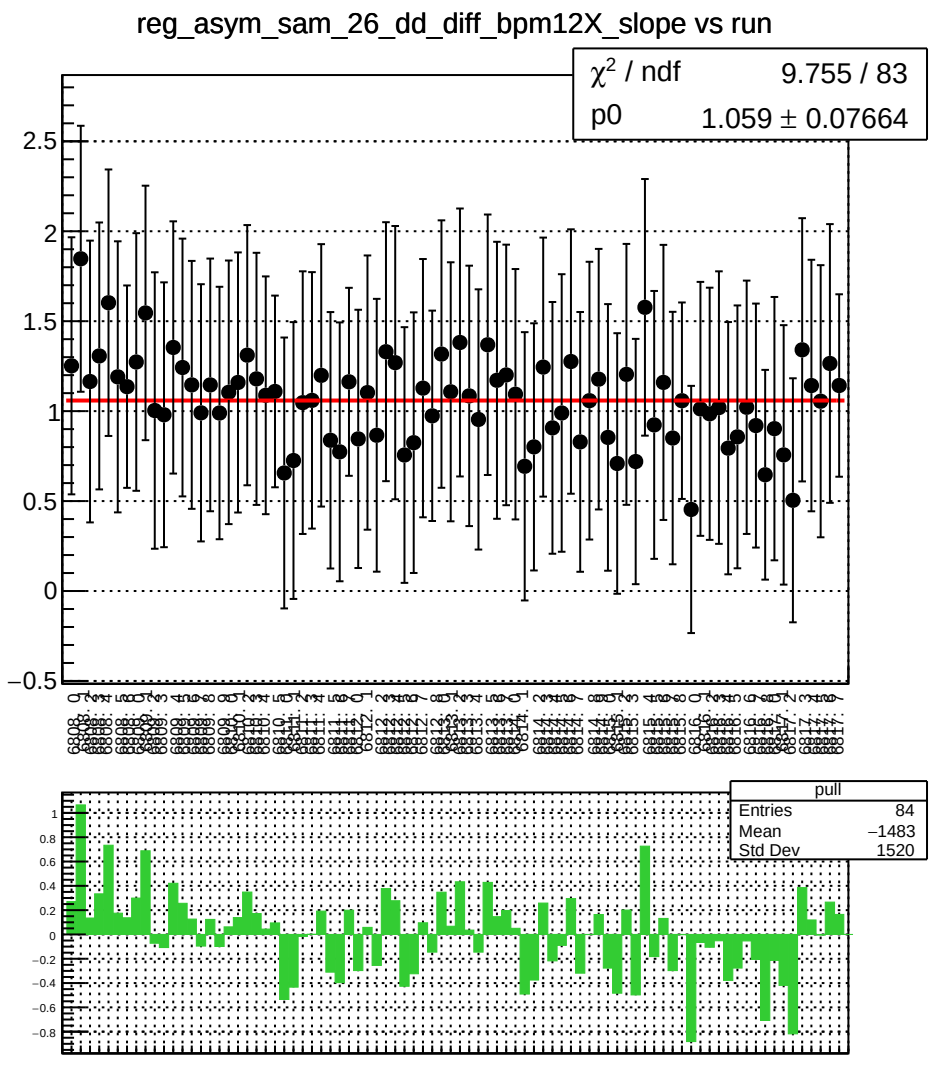

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.466 / 83
p0 −45.92 ± 1.887
pull
Entries 84
Mean 230.7
Std Dev 151.5

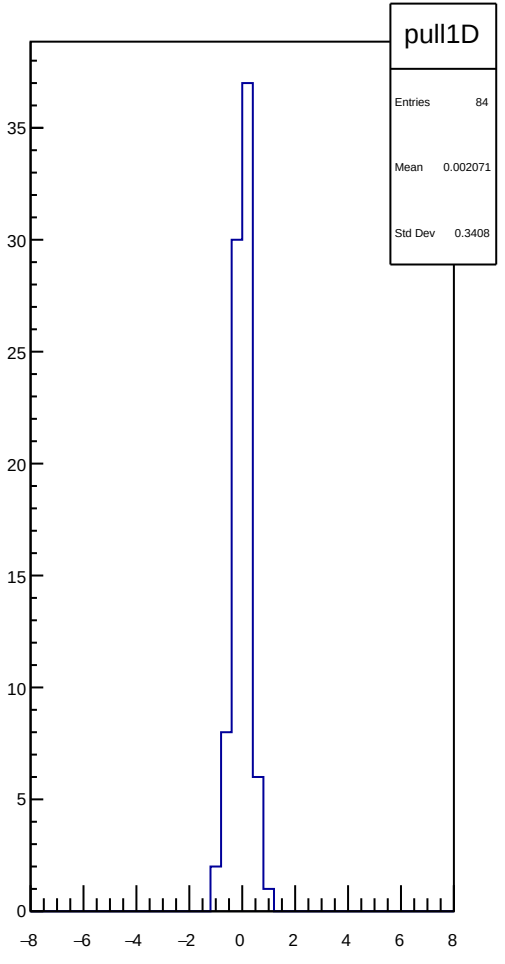

pull1D
Entries 84
Mean 0.002381
Std Dev 0.2031

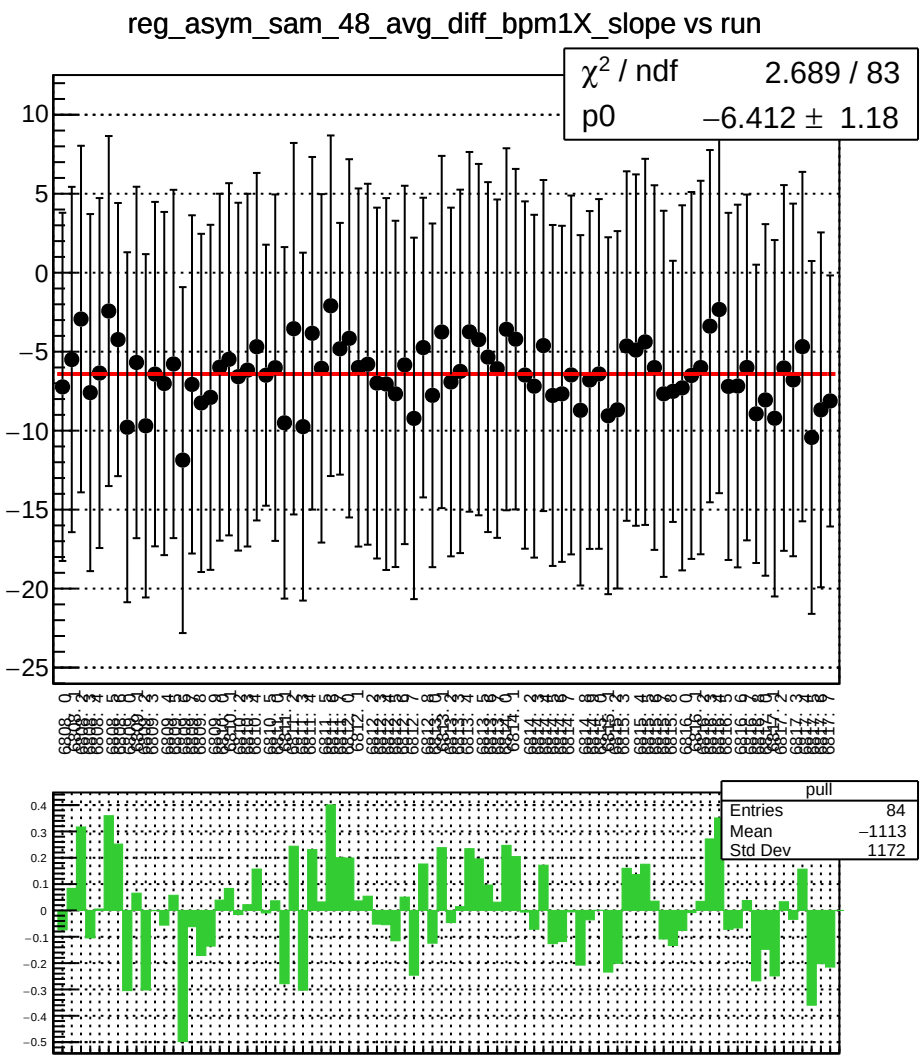

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.6 / 83
p0 −44.48 ± 1.211
−30
−40
−50
−60
−70
pull
Entries 84
Mean −96.12
Std Dev 137.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 84
Mean −0.02246
Std Dev 0.3545
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

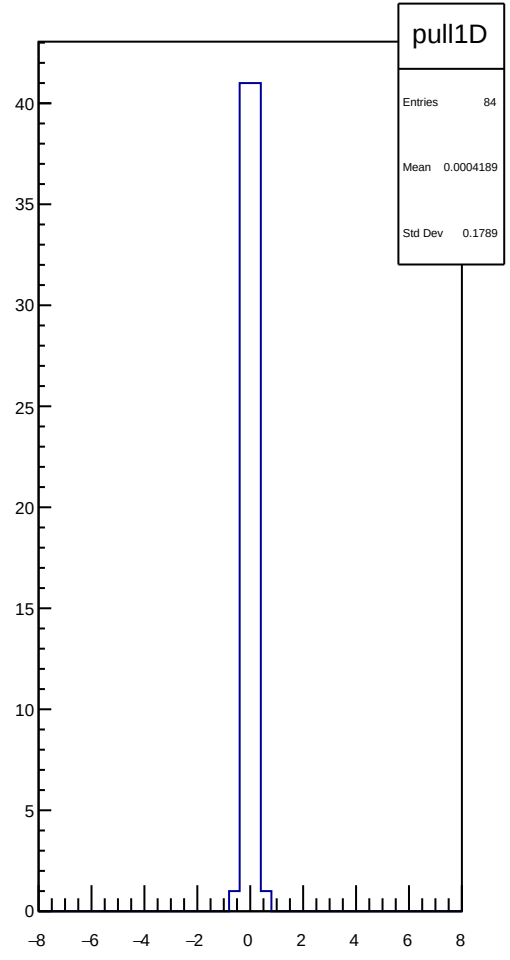

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.461 / 83
p0 −90.64 ± 1.765
−70
−80
−90
−100
−110
pull
Entries 84
Mean 146.1
Std Dev 57.14
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 84
Mean −0.003326
Std Dev 0.2029
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

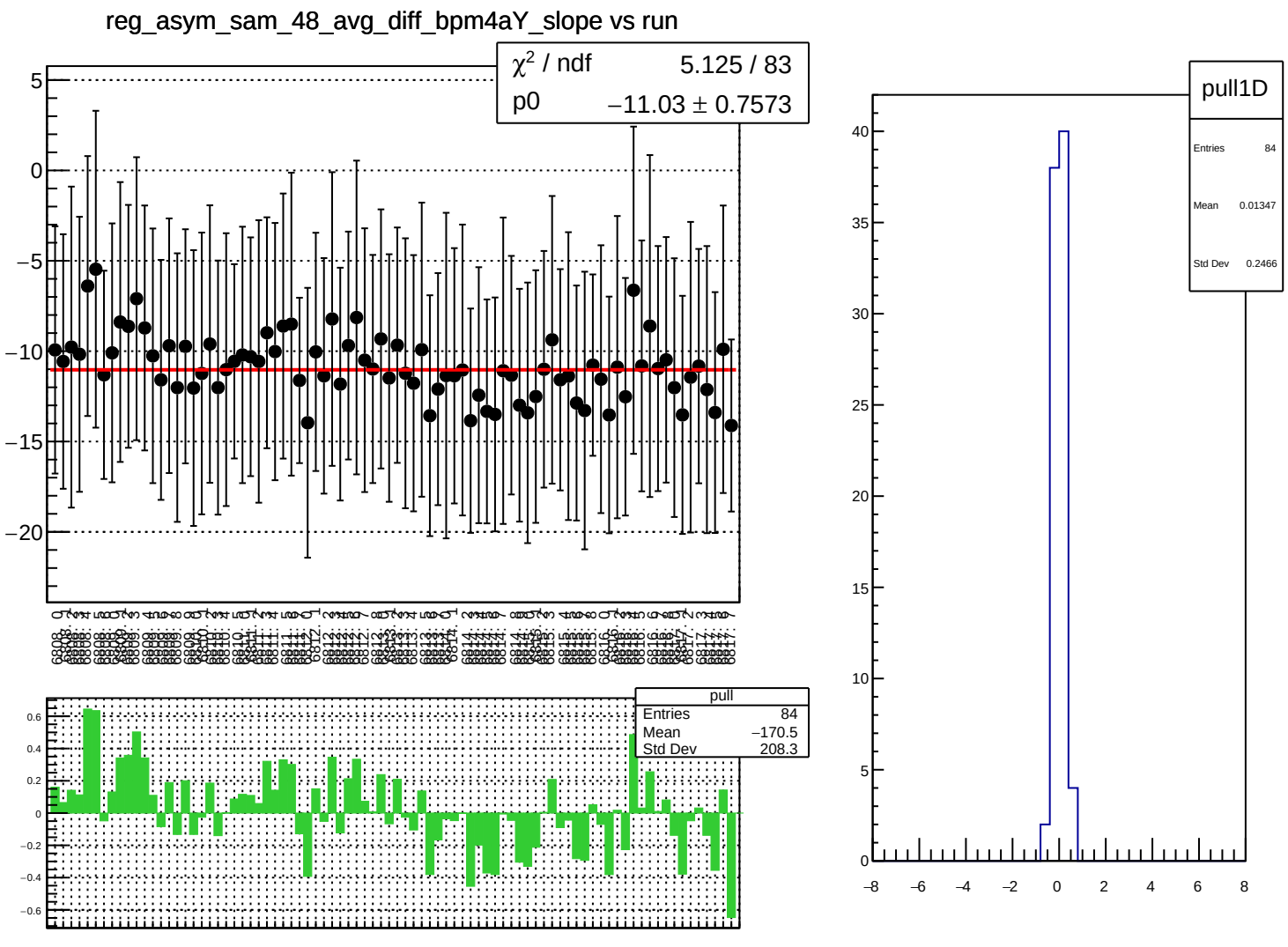

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.289 / 83
p0 −94.12 ± 1.462
pull
Entries 84
Mean −474.9
Std Dev 518.7
pull1D
Entries 84
Mean 0.008643
Std Dev 0.3324

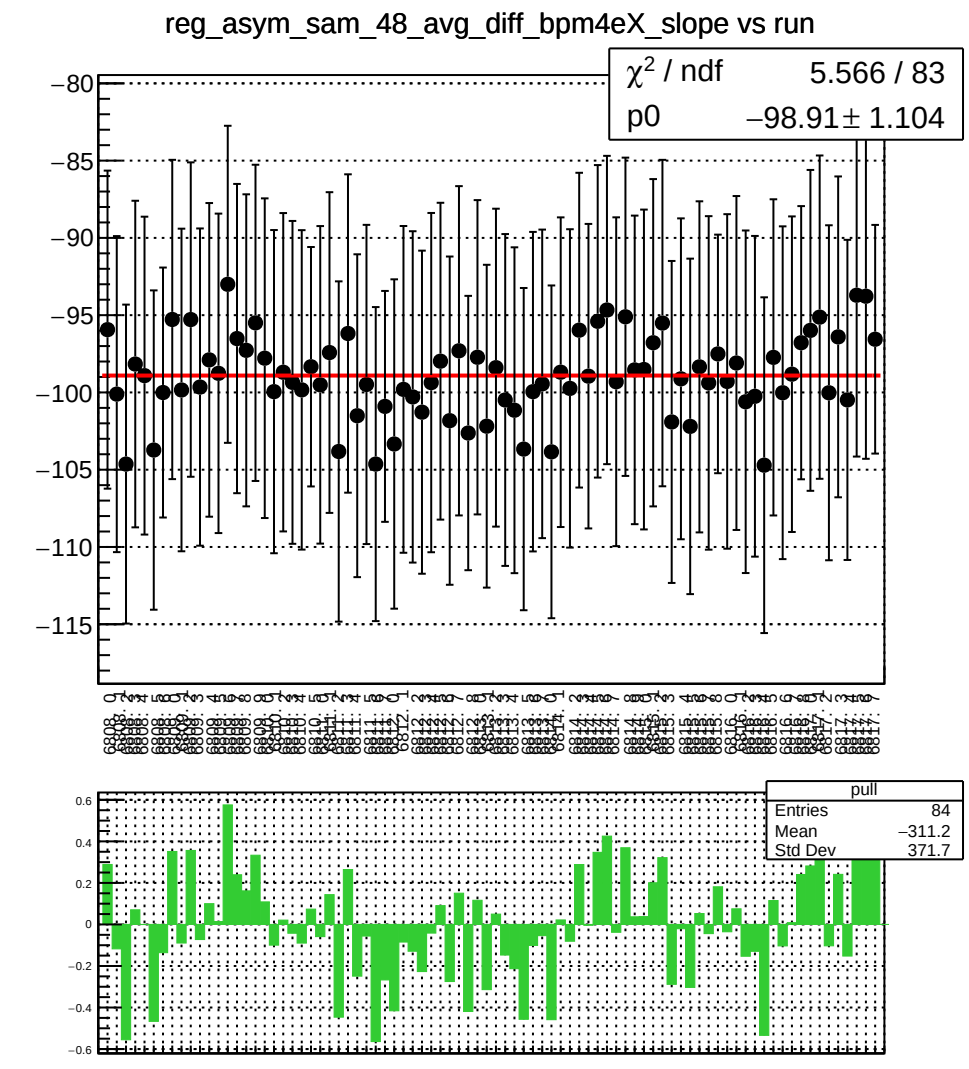

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 9.755 / 83
p0 1.059 ± 0.07664
pull
Entries 84
Mean −1483
Std Dev 1520

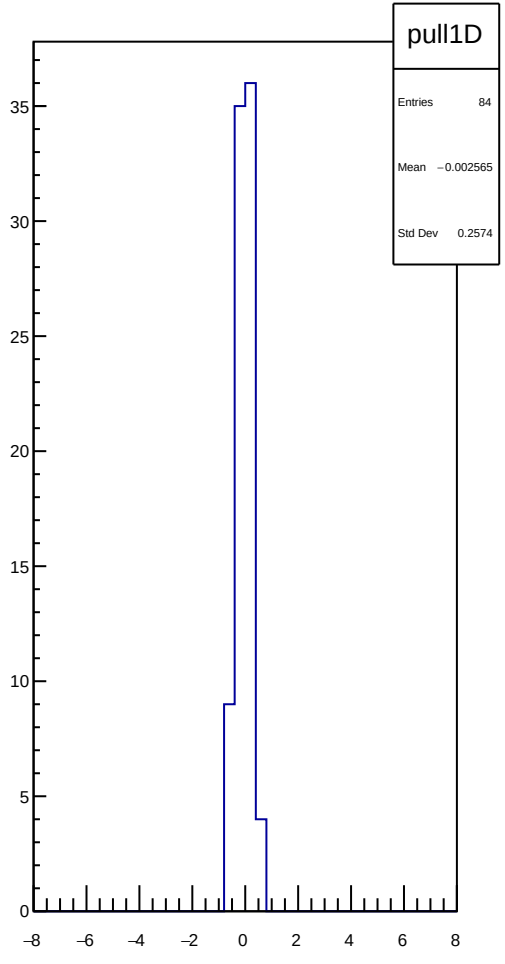

pull1D
Entries 84
Mean 0.002071
Std Dev 0.3408

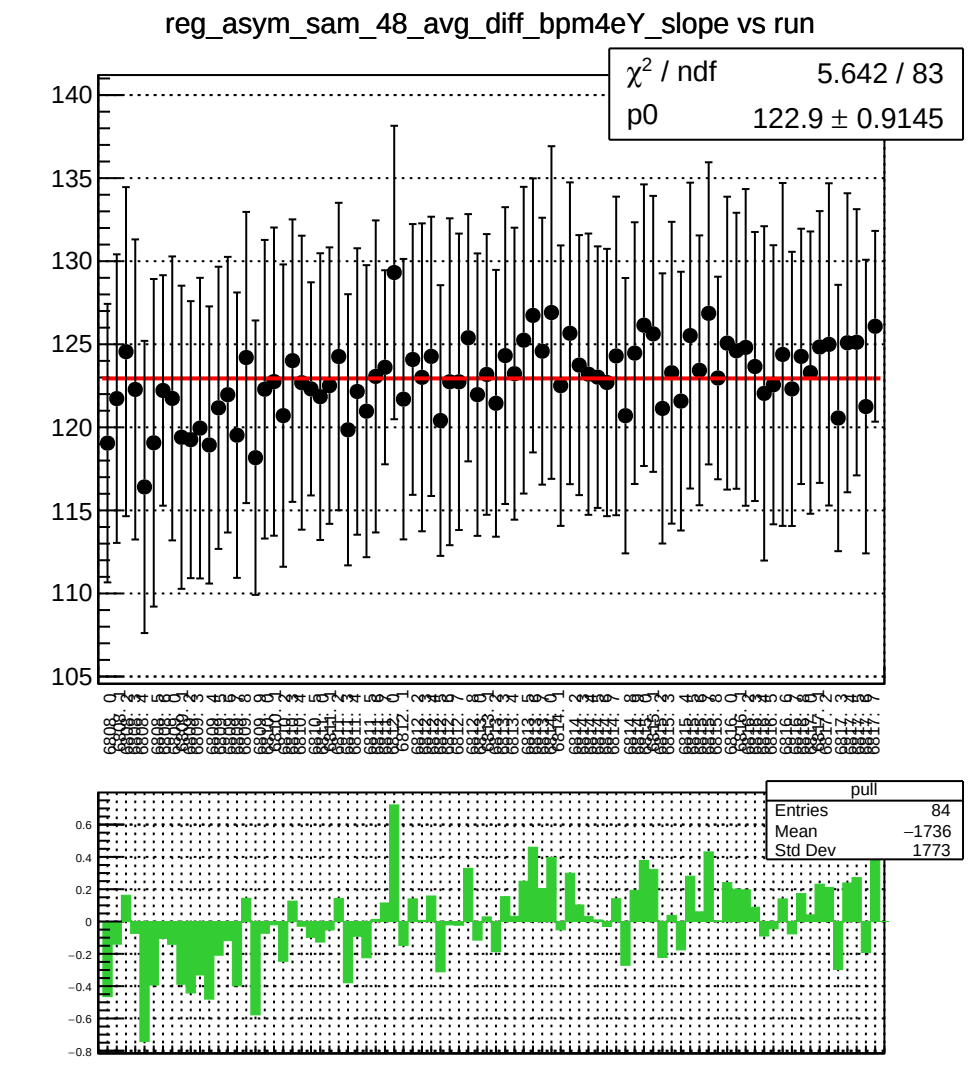

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 2.689 / 83
p0 −6.412 ± 1.18
pull
Entries 84
Mean −1113
Std Dev 1172

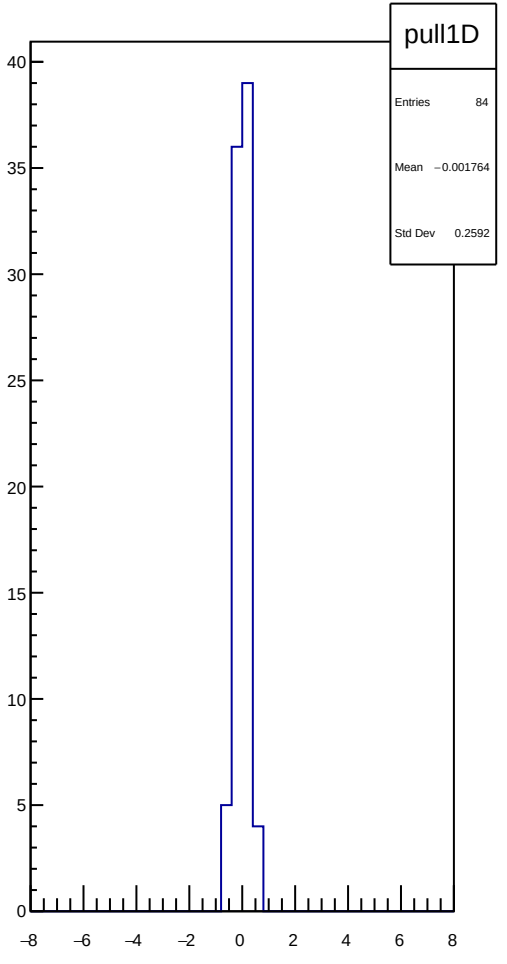

pull1D
Entries 84
Mean 0.0004189
Std Dev 0.1789

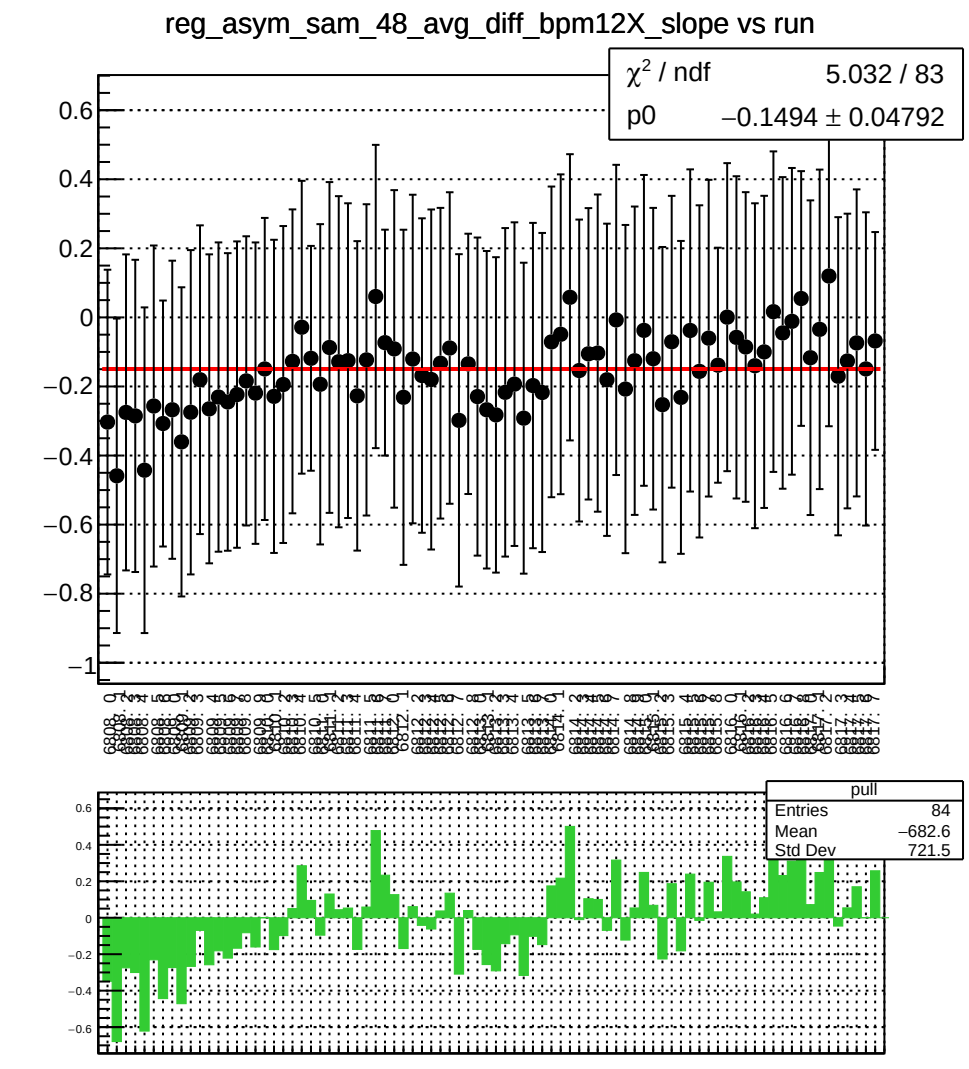

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.125 / 83
p0 −11.03 ± 0.7573
pull
Entries 84
Mean −170.5
Std Dev 208.3
pull1D
Entries 84
Mean 0.01347
Std Dev 0.2466

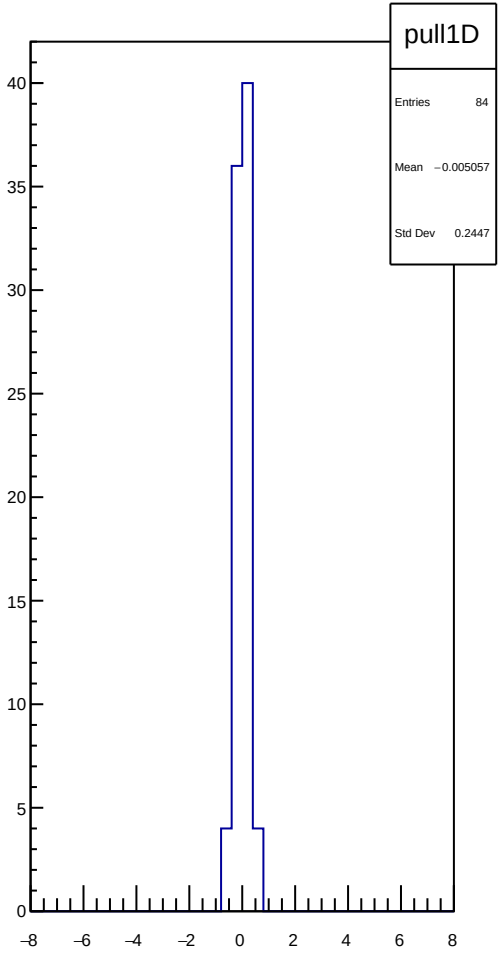

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.566 / 83
p0 −98.91 ± 1.104
pull
Entries 84
Mean −311.2
Std Dev 371.7

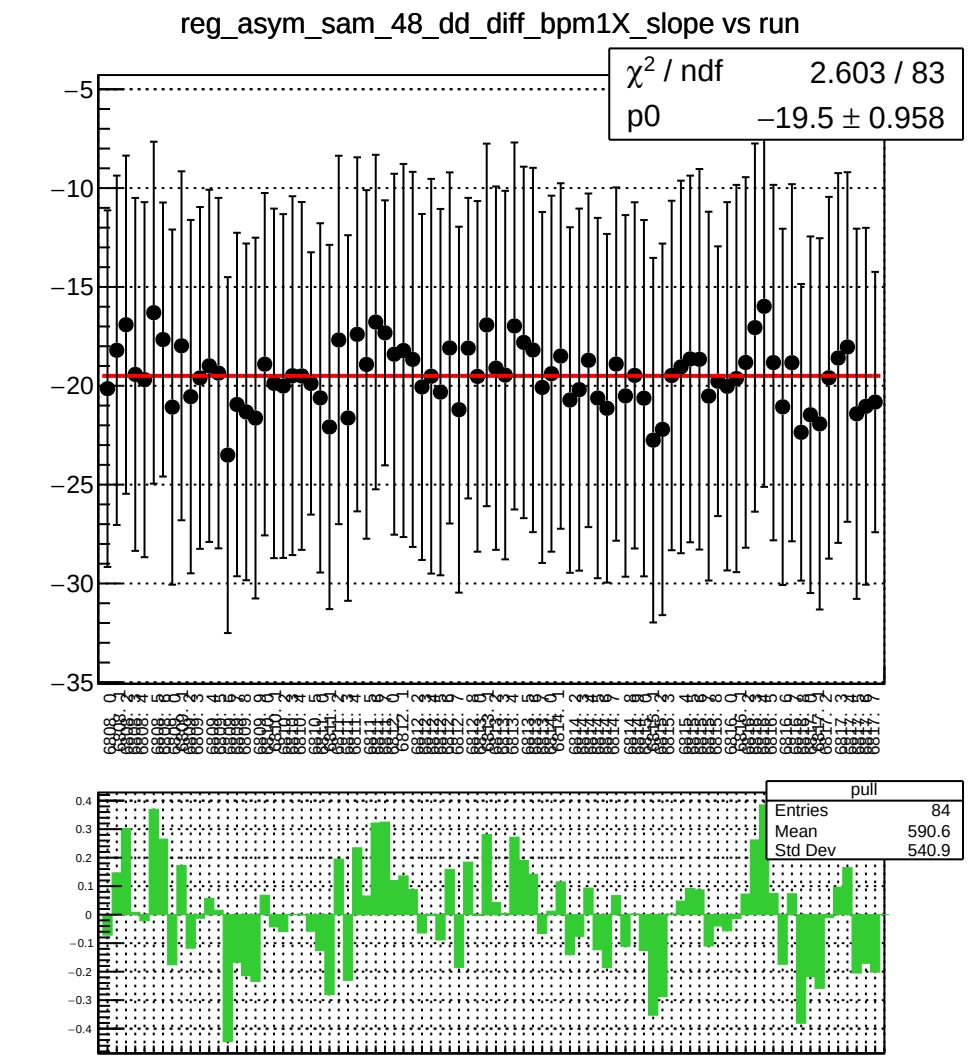

pull1D
Entries 84
Mean −0.002565
Std Dev 0.2574

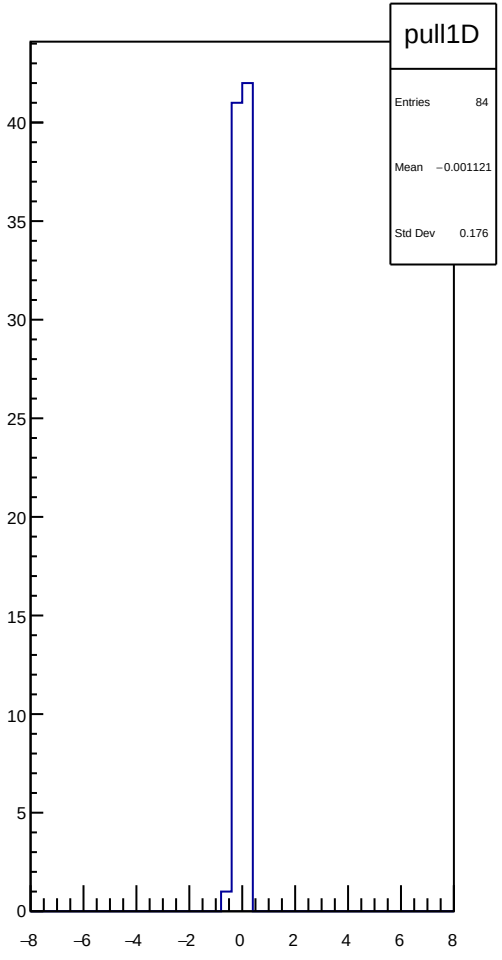

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.642 / 83
p0 122.9 ± 0.9145
140
135
130
125
120
115
110
105
pull
Entries 84
Mean −1736
Std Dev 1773
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

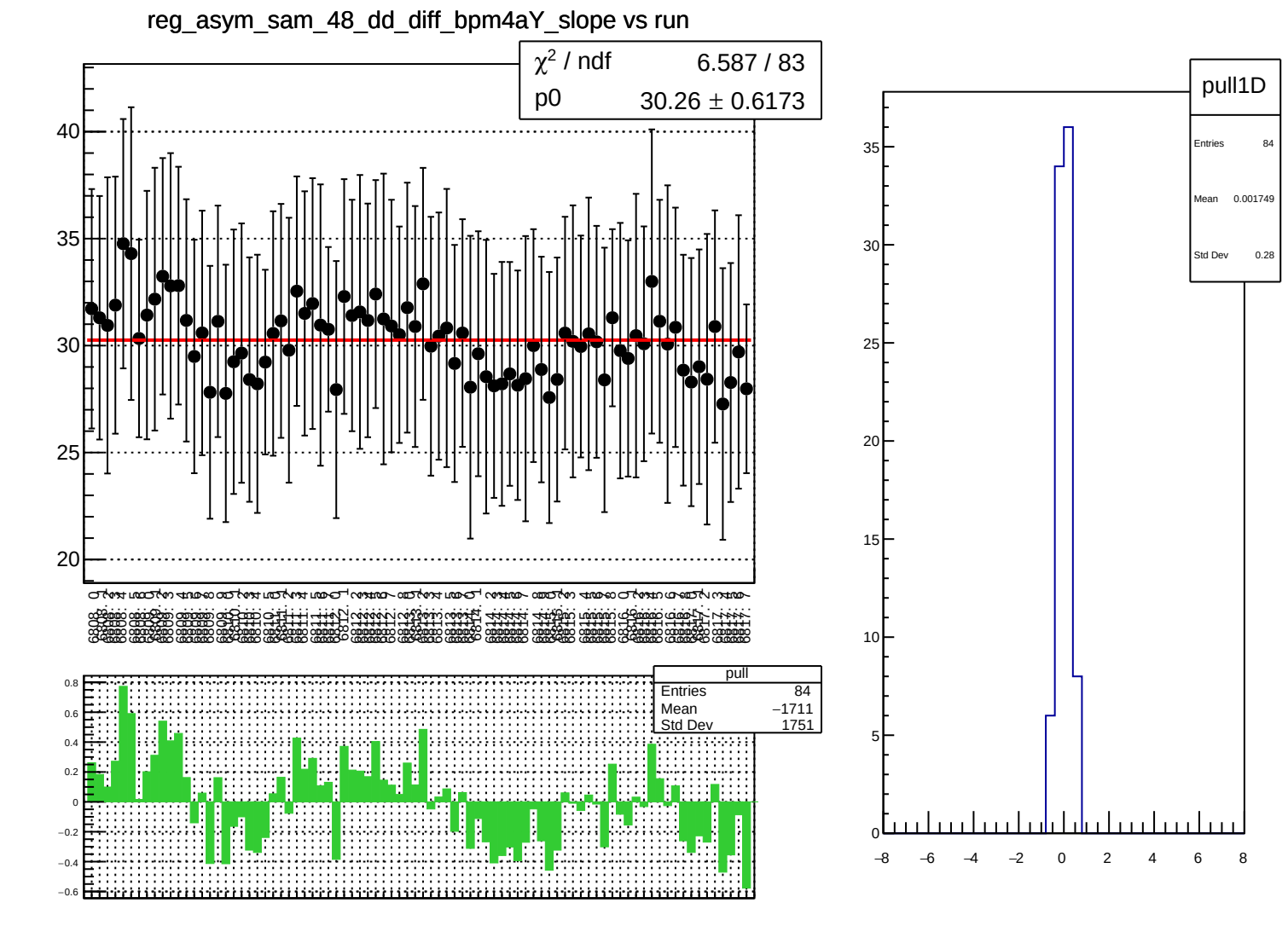

pull1D
Entries 84
Mean −0.001764
Std Dev 0.2592
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

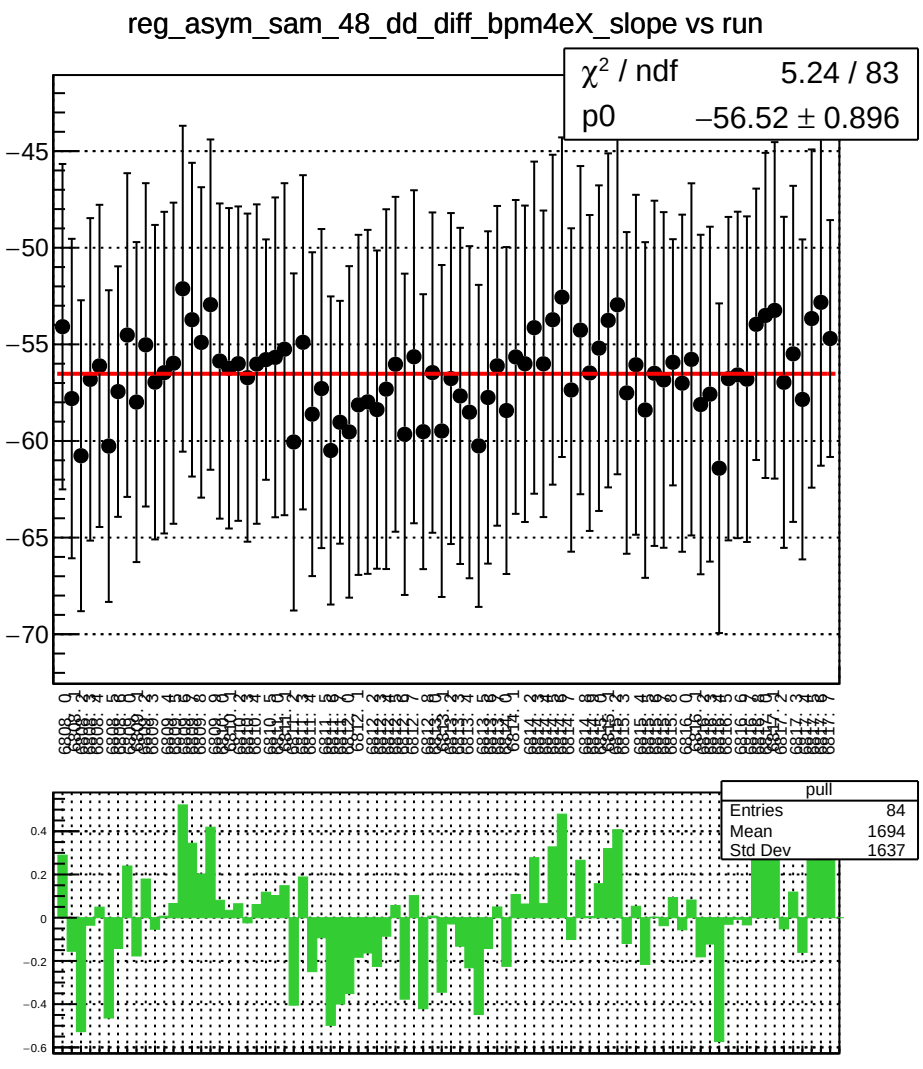

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.032 / 83
p0 −0.1494 ± 0.04792
pull
Entries 84
Mean −682.6
Std Dev 721.5

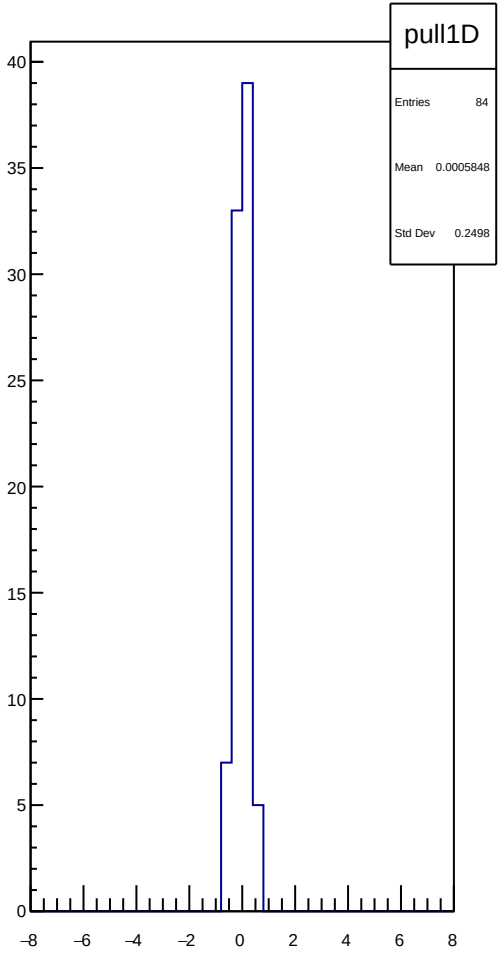

pull1D
Entries 84
Mean −0.005057
Std Dev 0.2447

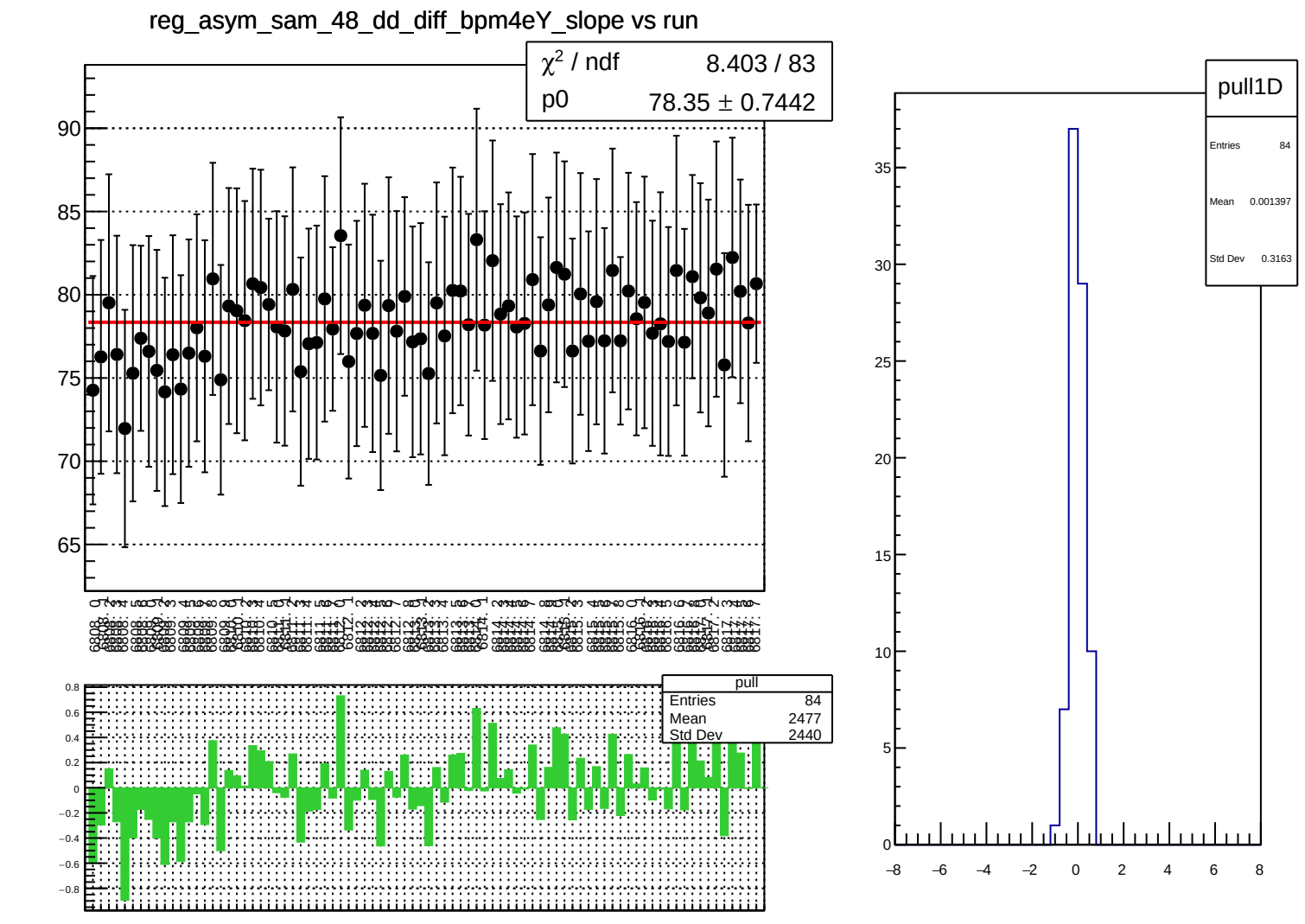

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.603 / 83
p0 −19.5 ± 0.958
pull
Entries 84
Mean 590.6
Std Dev 540.9

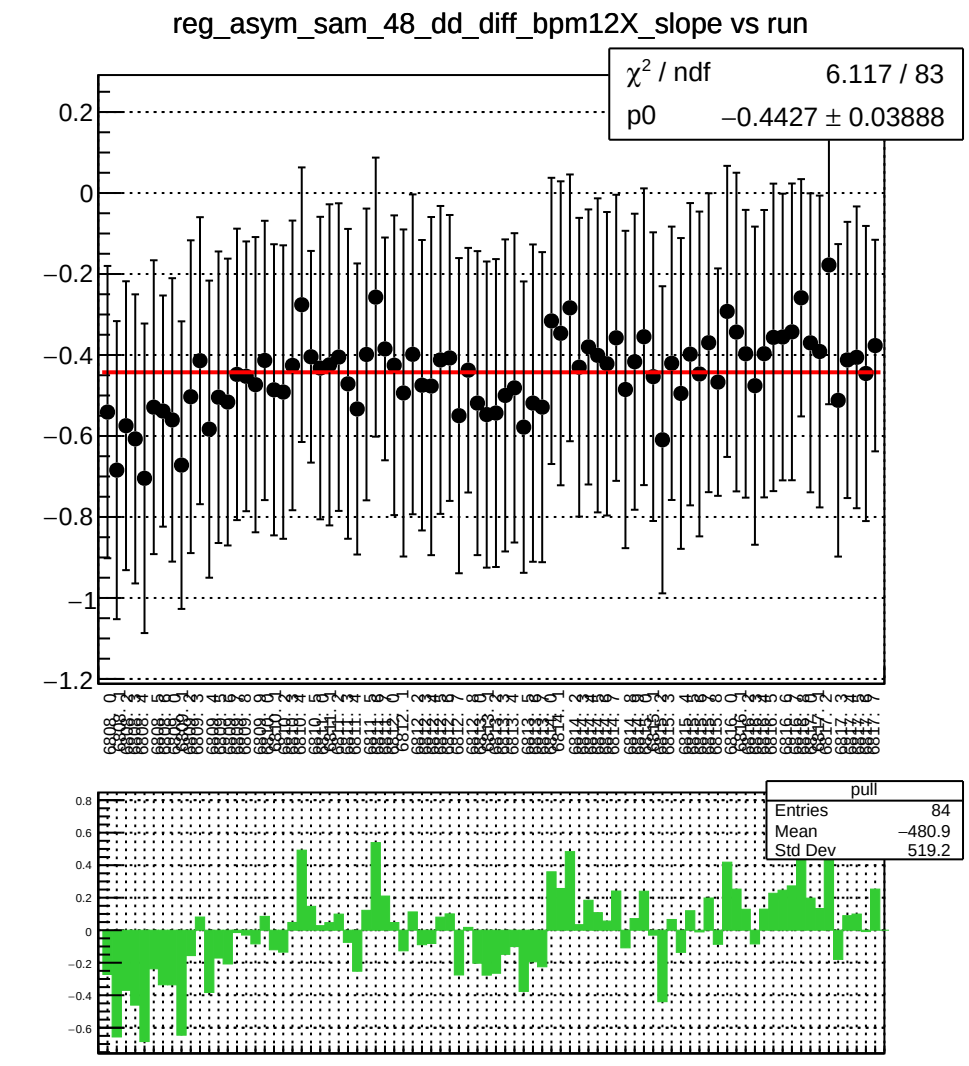

pull1D
Entries 84
Mean −0.001121
Std Dev 0.176

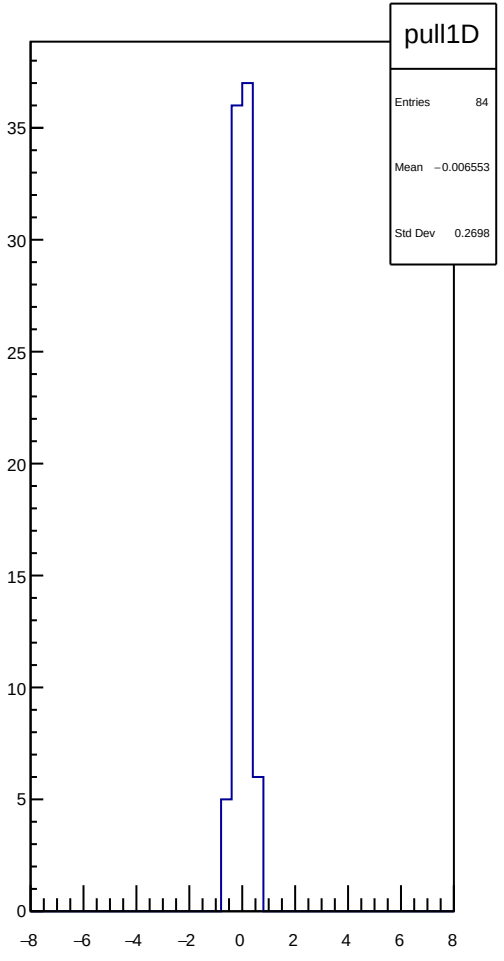

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.587 / 83
p0 30.26 ± 0.6173
pull
Entries 84
Mean −1711
Std Dev 1751
pull1D
Entries 84
Mean 0.001749
Std Dev 0.28

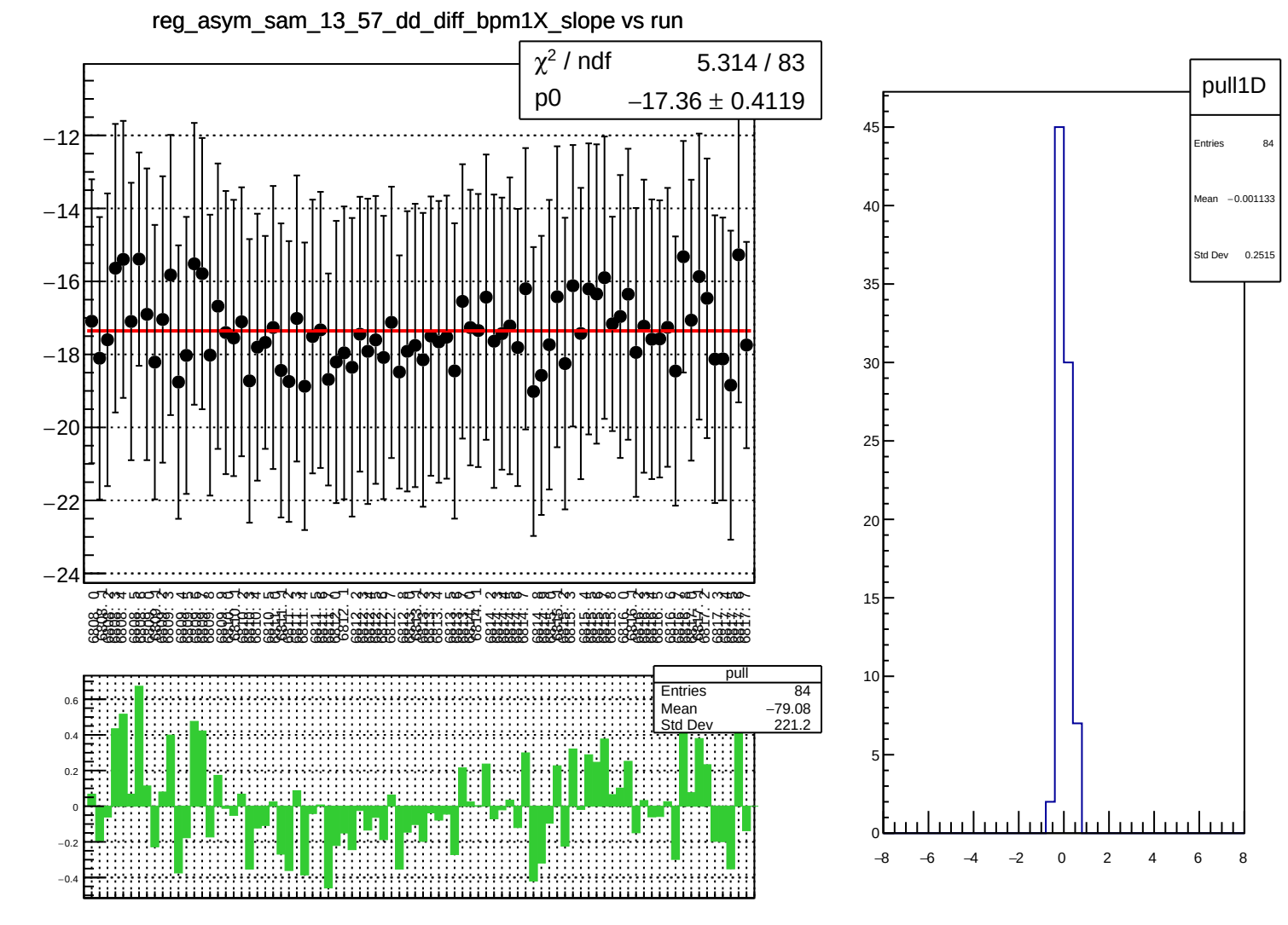

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.24 / 83
p0 −56.52 ± 0.896
−45
−50
−55
−60
−65
−70
pull
Entries 84
Mean 1694
Std Dev 1637
0.4
0.2
0
−0.2
−0.4
−0.6

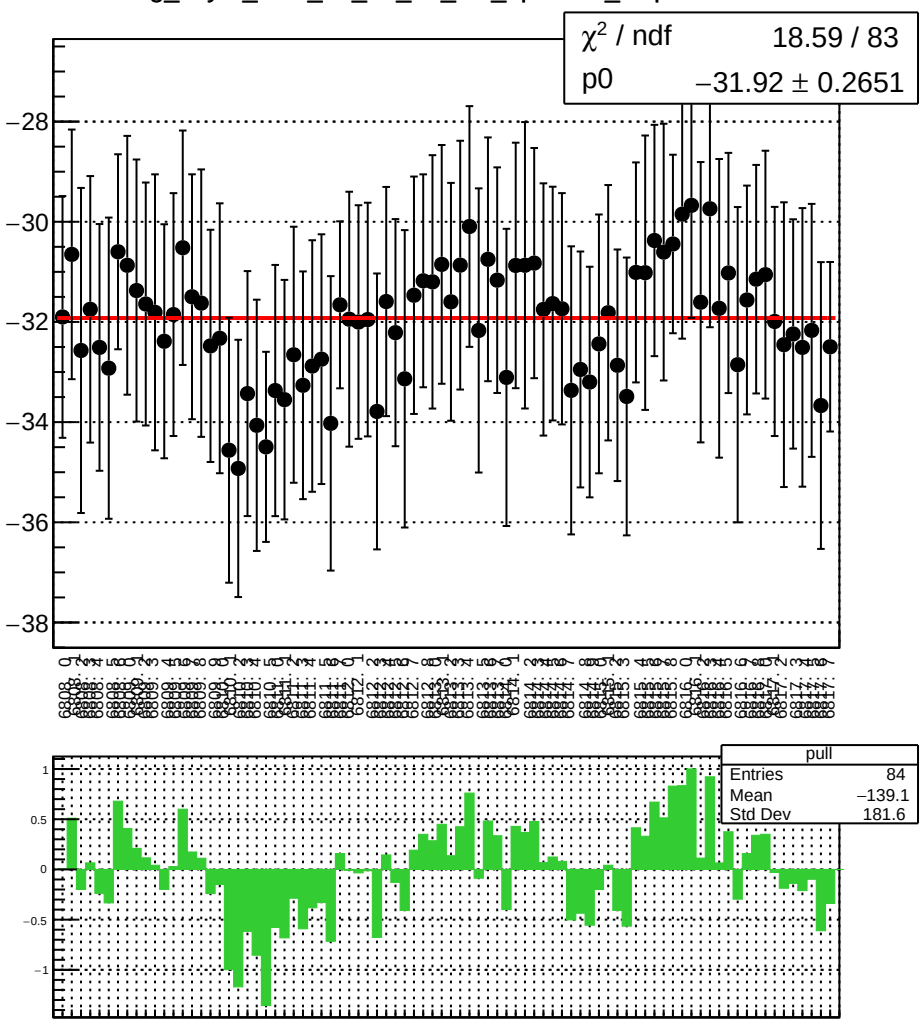

pull1D
Entries 84
Mean 0.0005848
Std Dev 0.2498
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

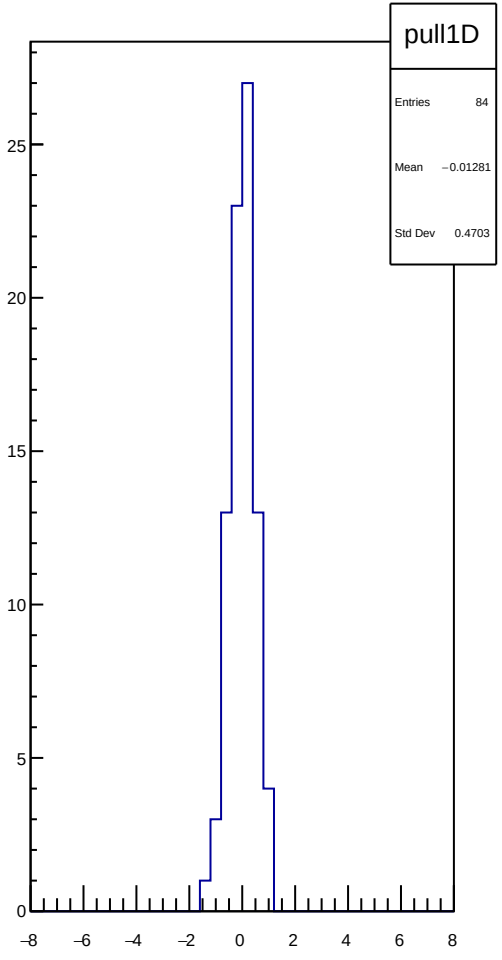

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.403 / 83
p0 78.35 ± 0.7442
pull
Entries 84
Mean 2477
Std Dev 2440
pull1D
Entries 84
Mean 0.001397
Std Dev 0.3163

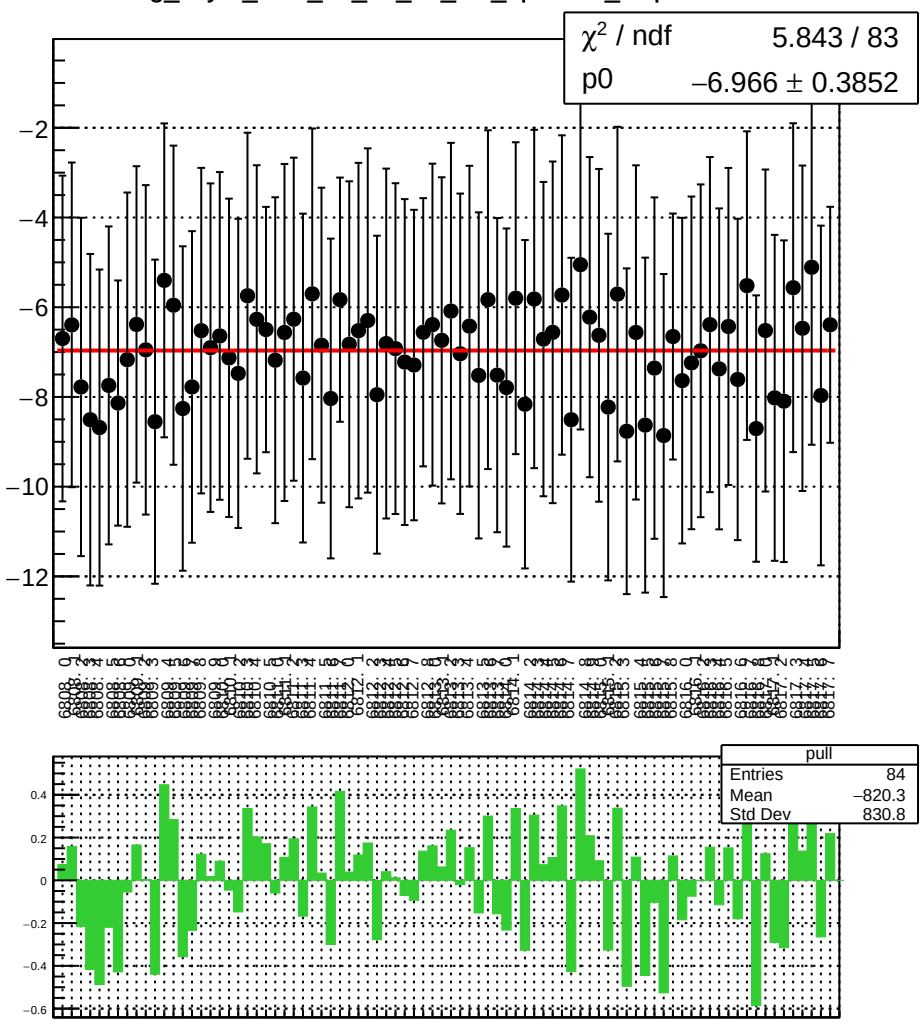

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 6.117 / 83
p0 −0.4427 ± 0.03888
pull
Entries 84
Mean −480.9
Std Dev 519.2

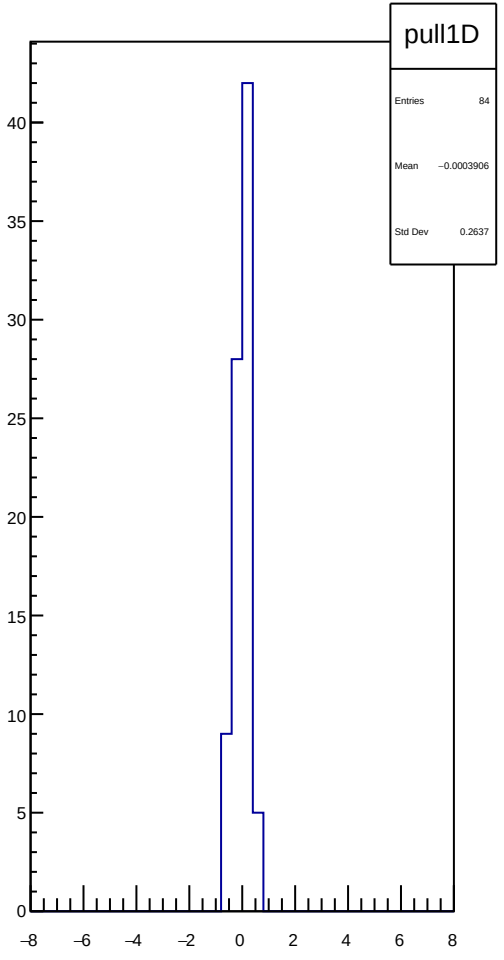

pull1D
Entries 84
Mean −0.006553
Std Dev 0.2698

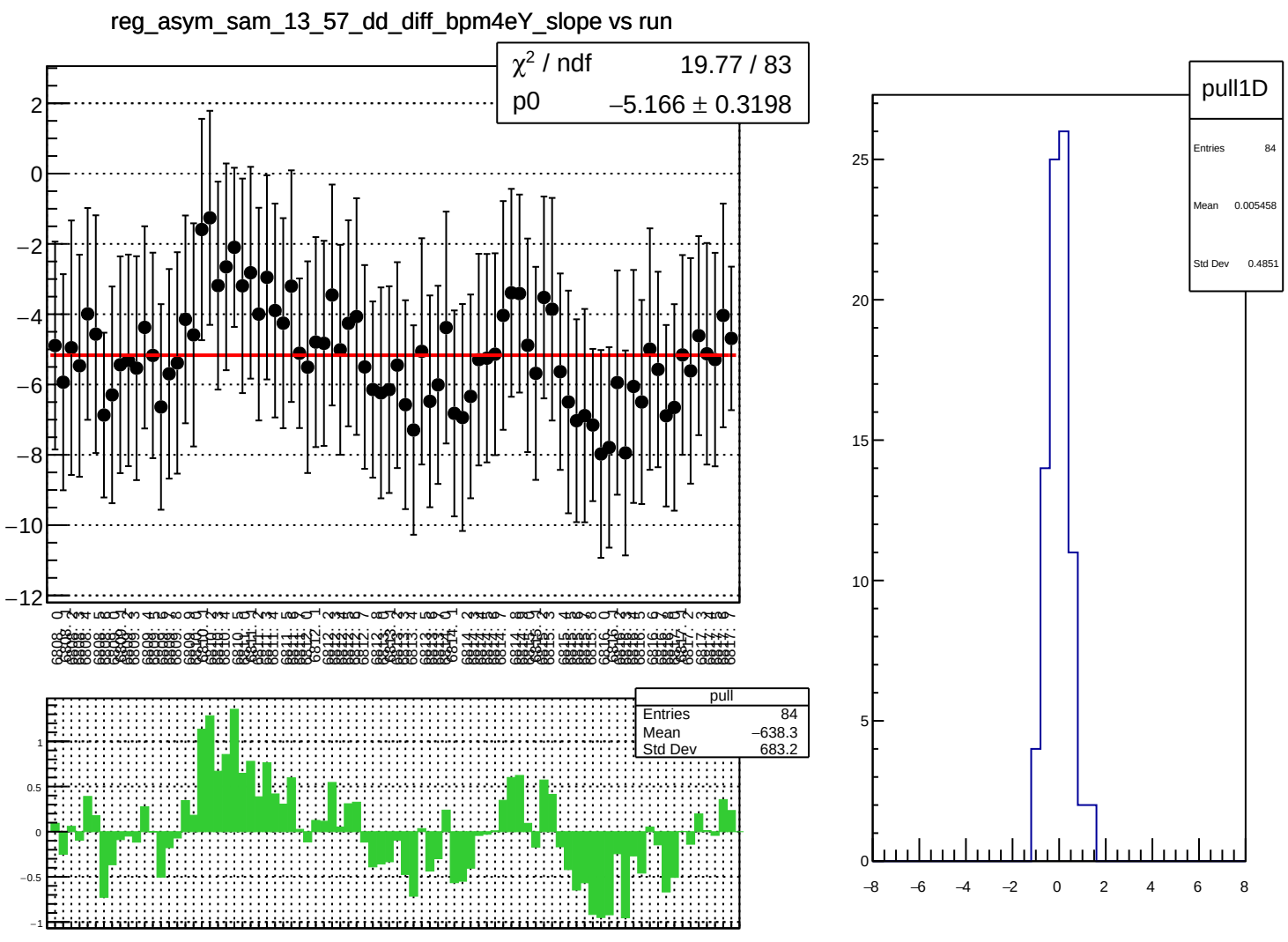

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 5.314 / 83
p0 −17.36 ± 0.4119
pull
Entries 84
Mean −79.08
Std Dev 221.2
pull1D
Entries 84
Mean −0.001133
Std Dev 0.2515

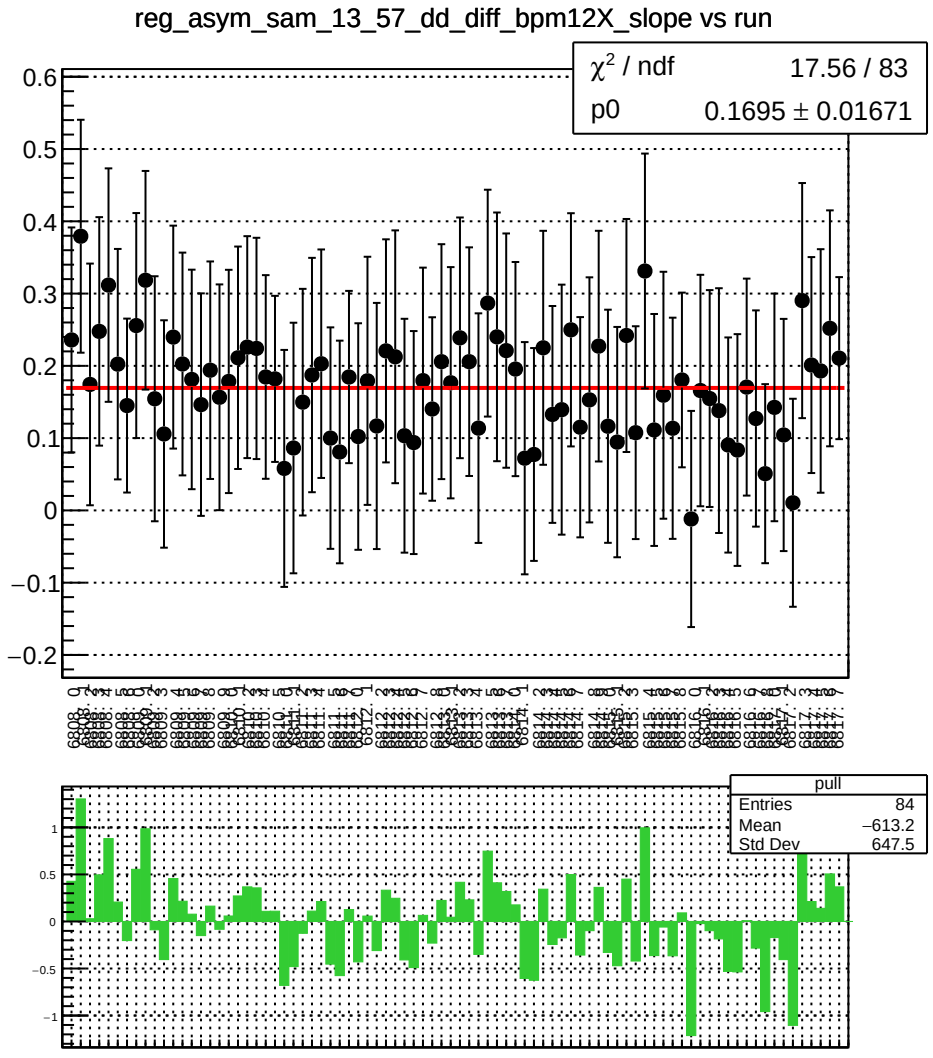

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.59 / 83
p0 −31.92 ± 0.2651
pull
Entries 84
Mean −139.1
Std Dev 181.6

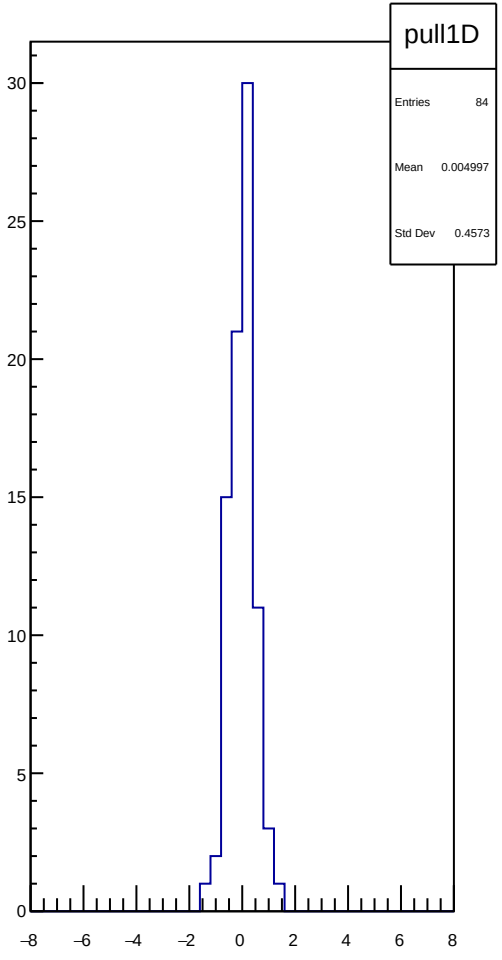

pull1D
Entries 84
Mean −0.01281
Std Dev 0.4703

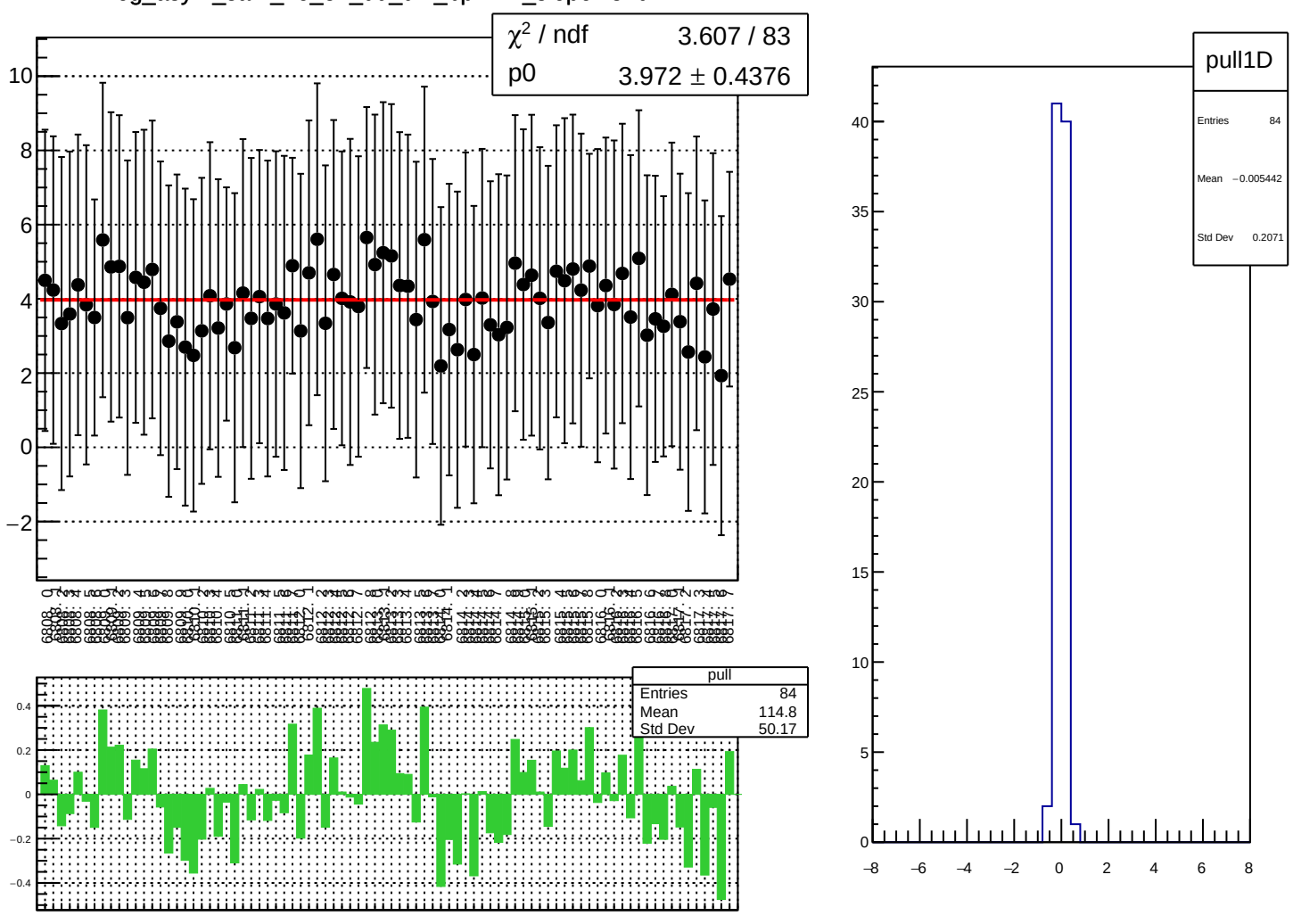

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.843 / 83
p0 −6.966 ± 0.3852
pull
Entries 84
Mean −820.3
Std Dev 830.8

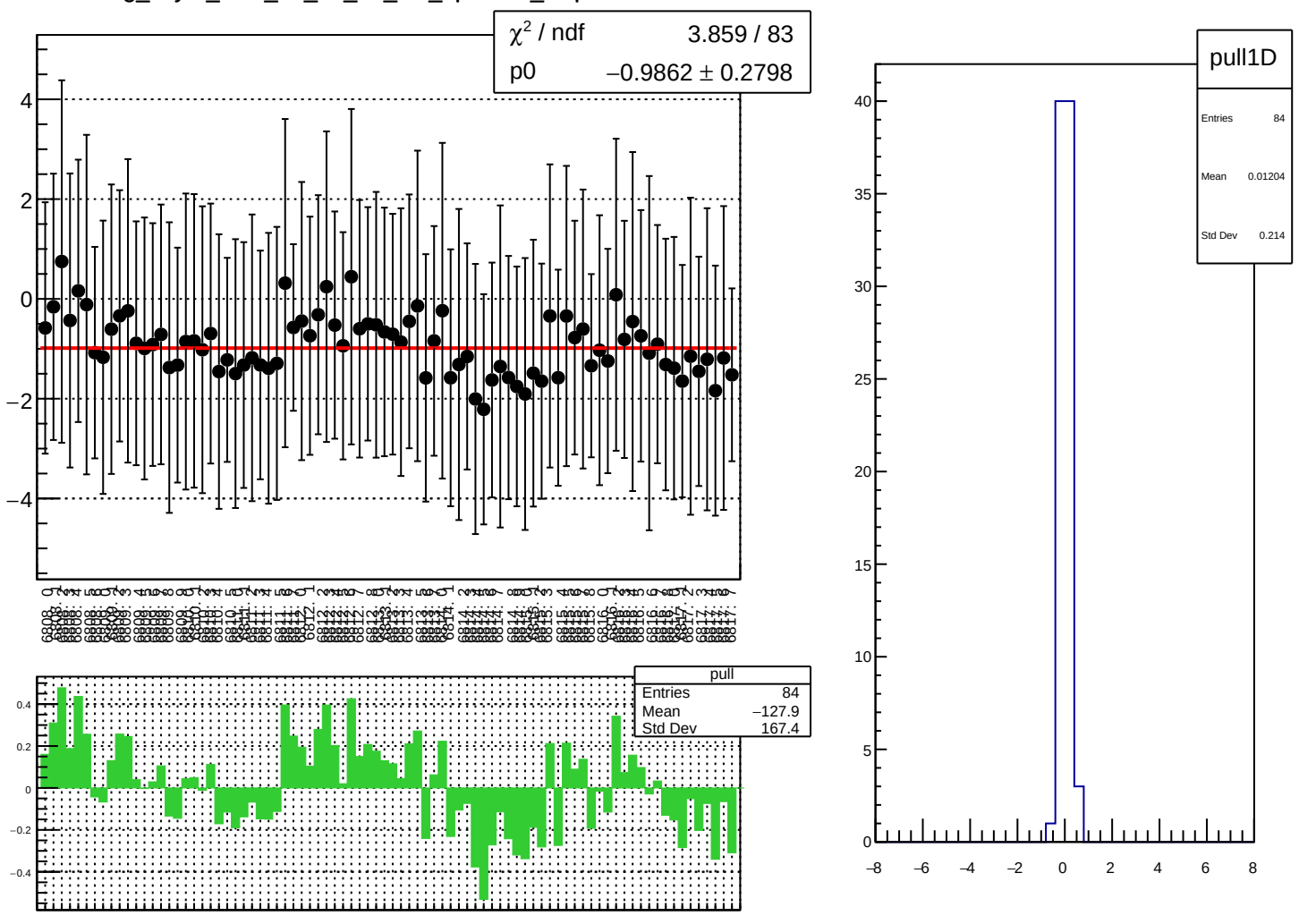

pull1D
Entries 84
Mean −0.0003906
Std Dev 0.2637

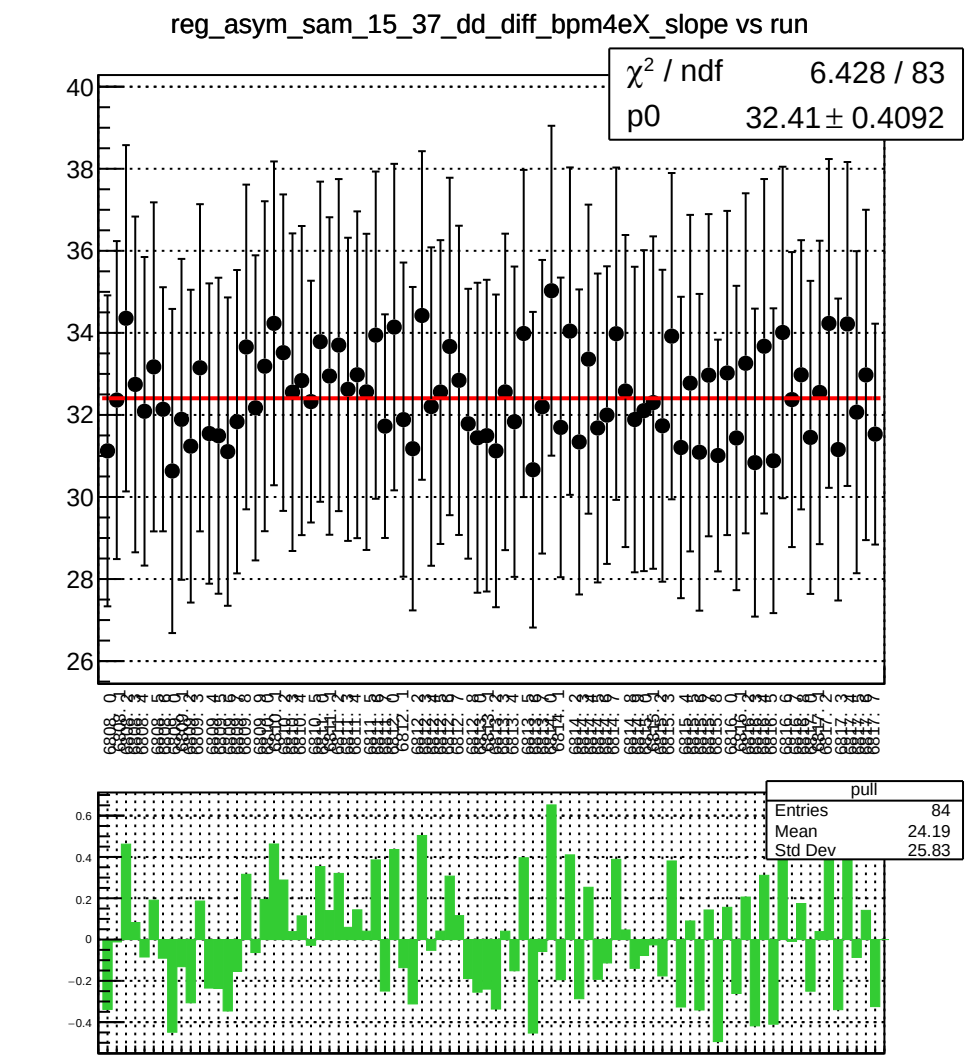

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.77 / 83
p0 −5.166 ± 0.3198
pull
Entries 84
Mean −638.3
Std Dev 683.2
pull1D
Entries 84
Mean 0.005458
Std Dev 0.4851

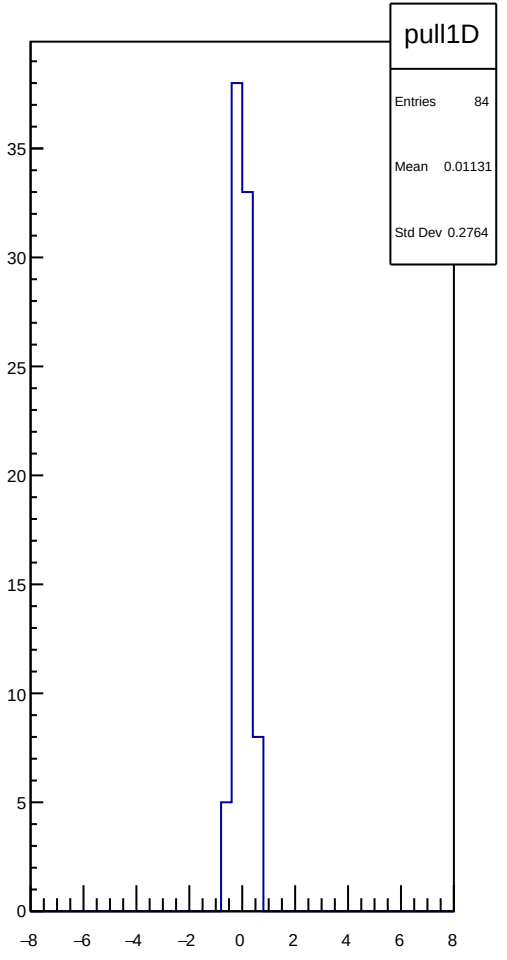

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 17.56 / 83
p0 0.1695 ± 0.01671
pull
Entries 84
Mean −613.2
Std Dev 647.5

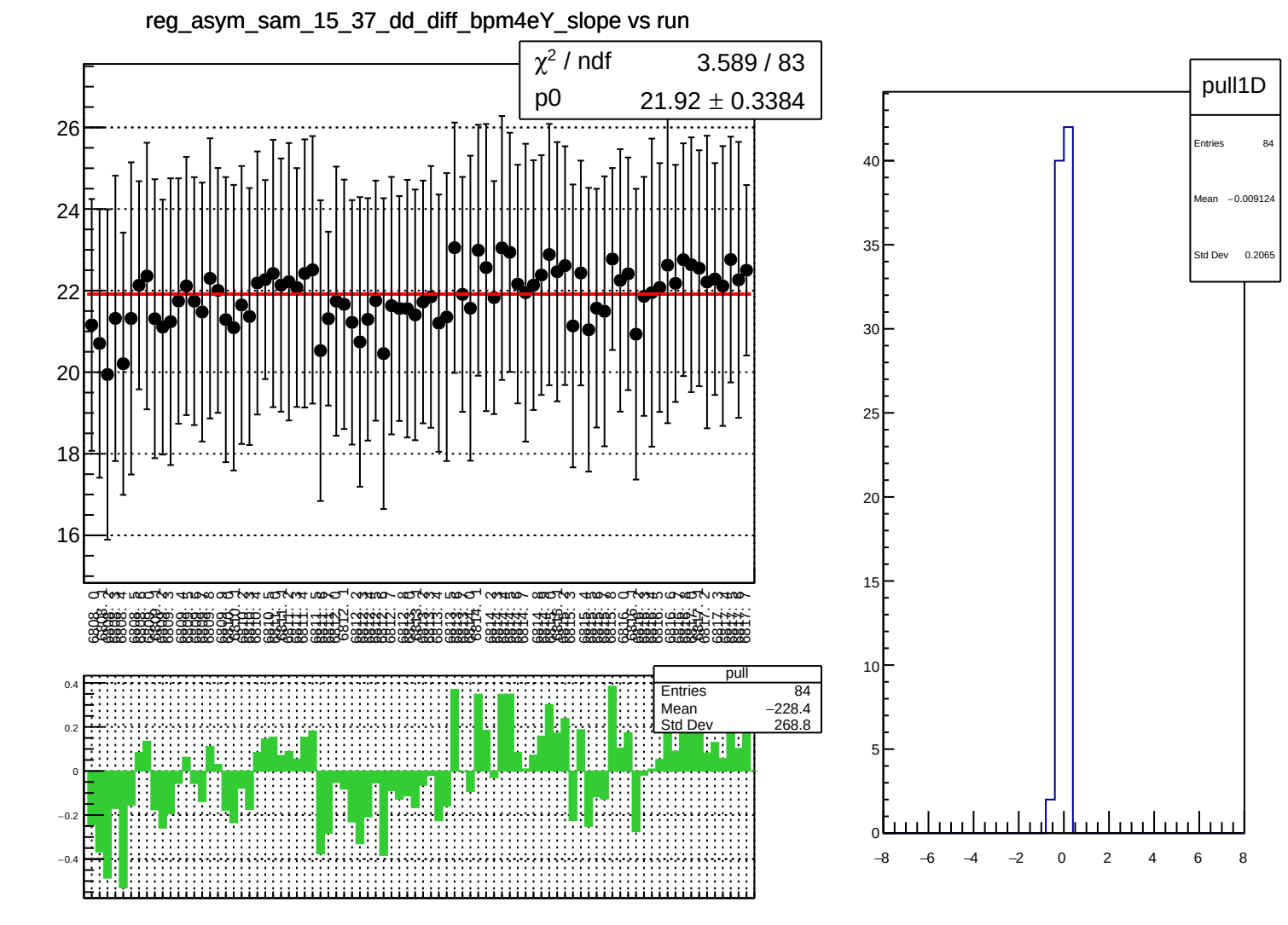

pull1D
Entries 84
Mean 0.004997
Std Dev 0.4573

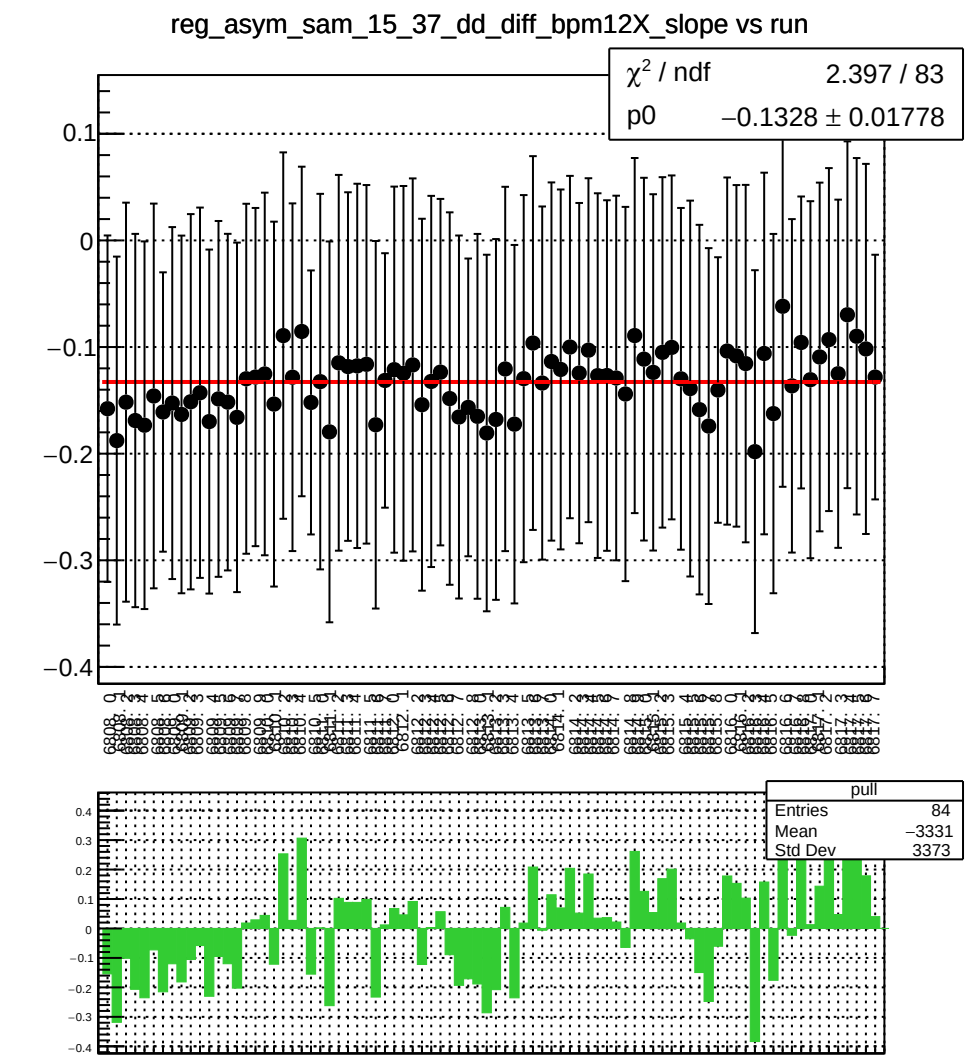

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.607 / 83
p0 3.972 ± 0.4376
pull
Entries 84
Mean 114.8
Std Dev 50.17
pull1D
Entries 84
Mean −0.005442
Std Dev 0.2071

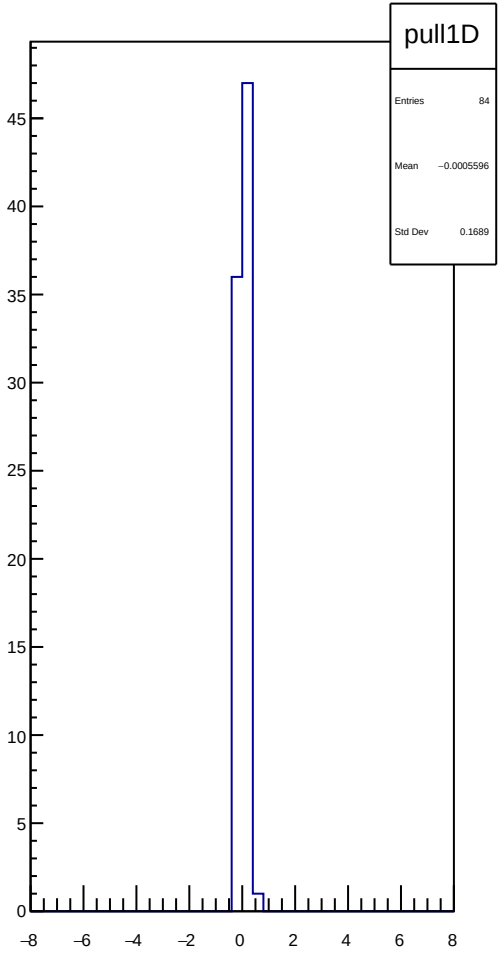

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.859 / 83
p0 −0.9862 ± 0.2798
pull
Entries 84
Mean −127.9
Std Dev 167.4
pull1D
Entries 84
Mean 0.01204
Std Dev 0.214

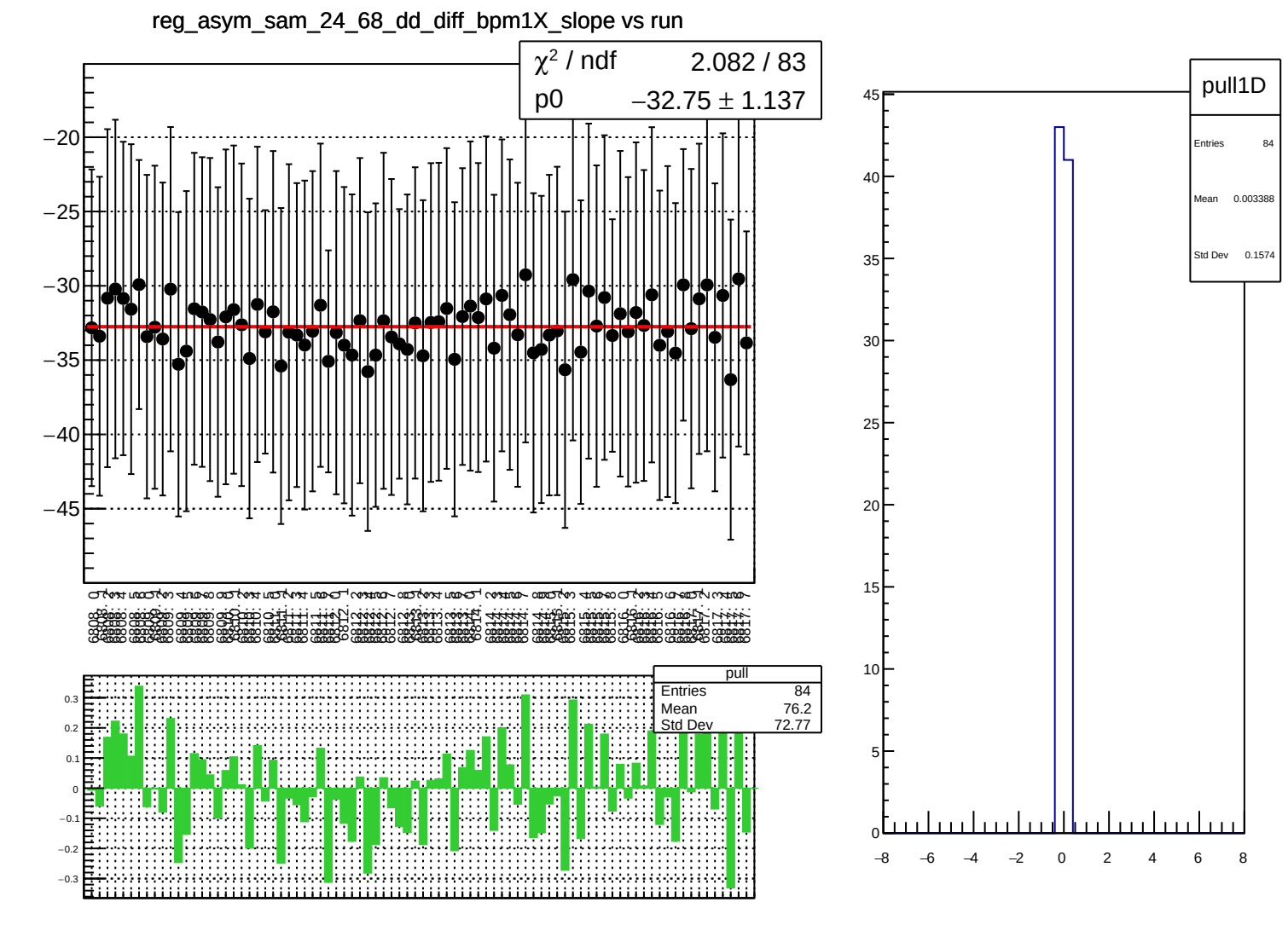

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.428 / 83
p0 32.41 ± 0.4092
pull
Entries 84
Mean 24.19
Std Dev 25.83

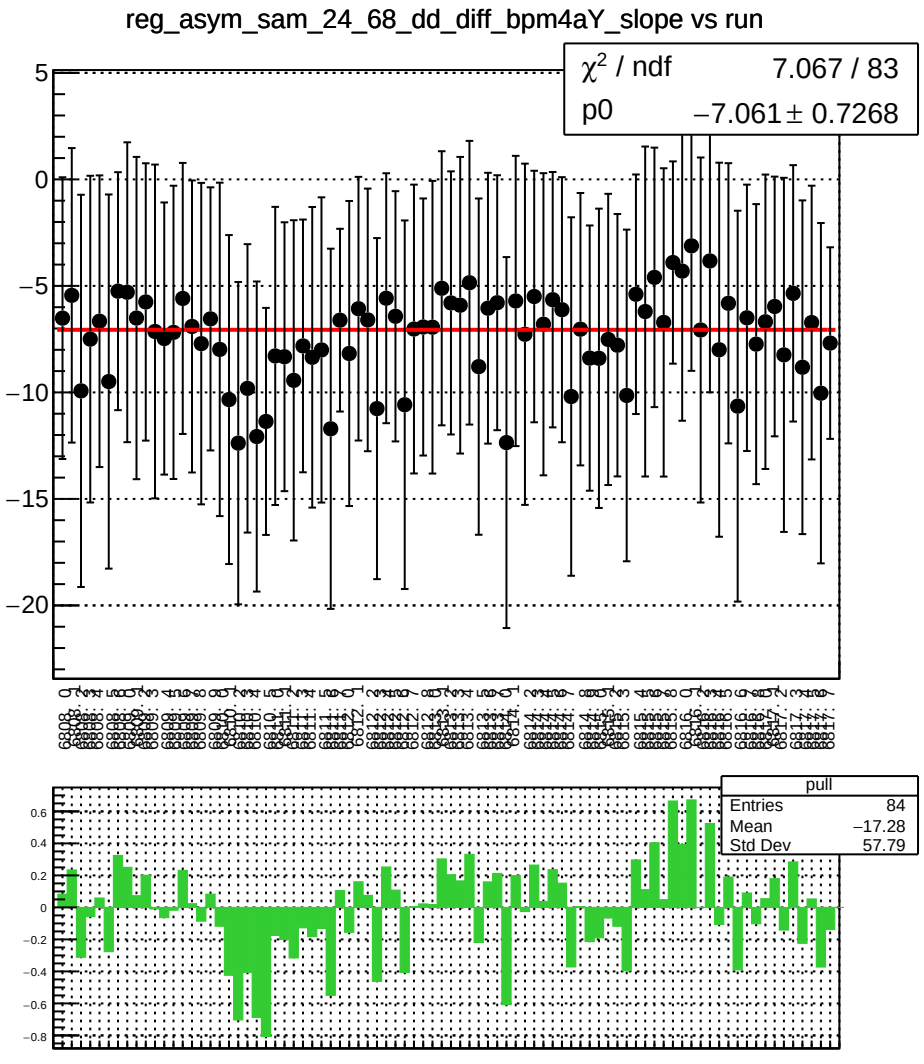

pull1D
Entries 84
Mean 0.01131
Std Dev 0.2764

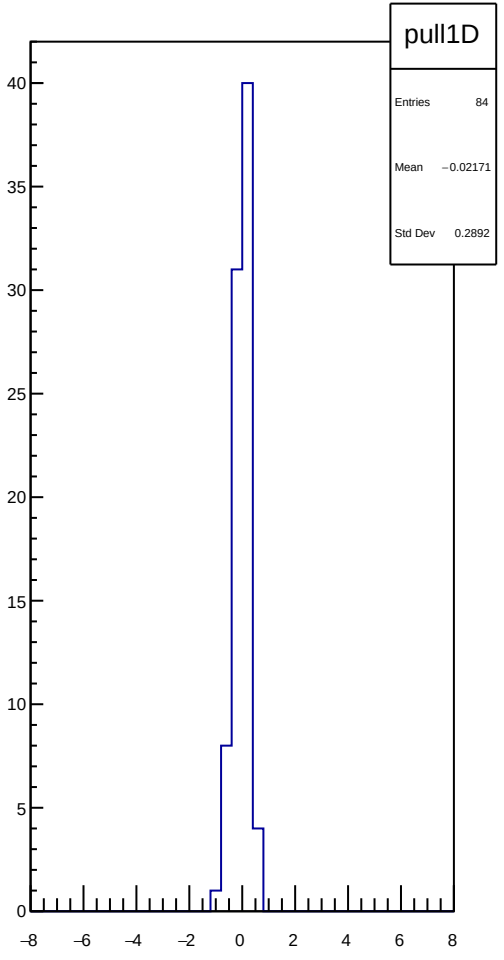

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.589 / 83
p0 21.92 ± 0.3384
pull
Entries 84
Mean −228.4
Std Dev 268.8
pull1D
Entries 84
Mean −0.009124
Std Dev 0.2065

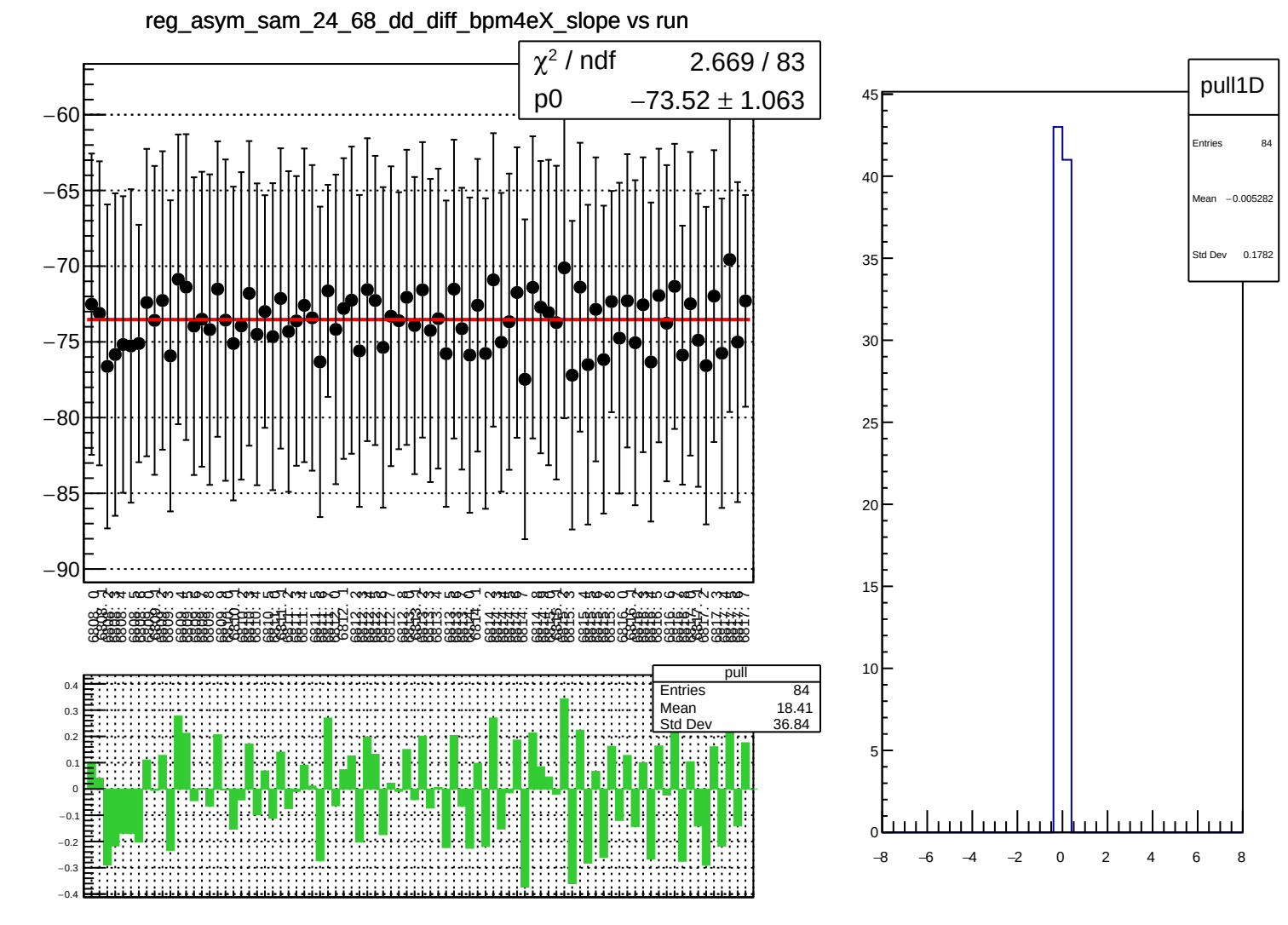

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.397 / 83
p0 −0.1328 ± 0.01778
pull
Entries 84
Mean −3331
Std Dev 3373

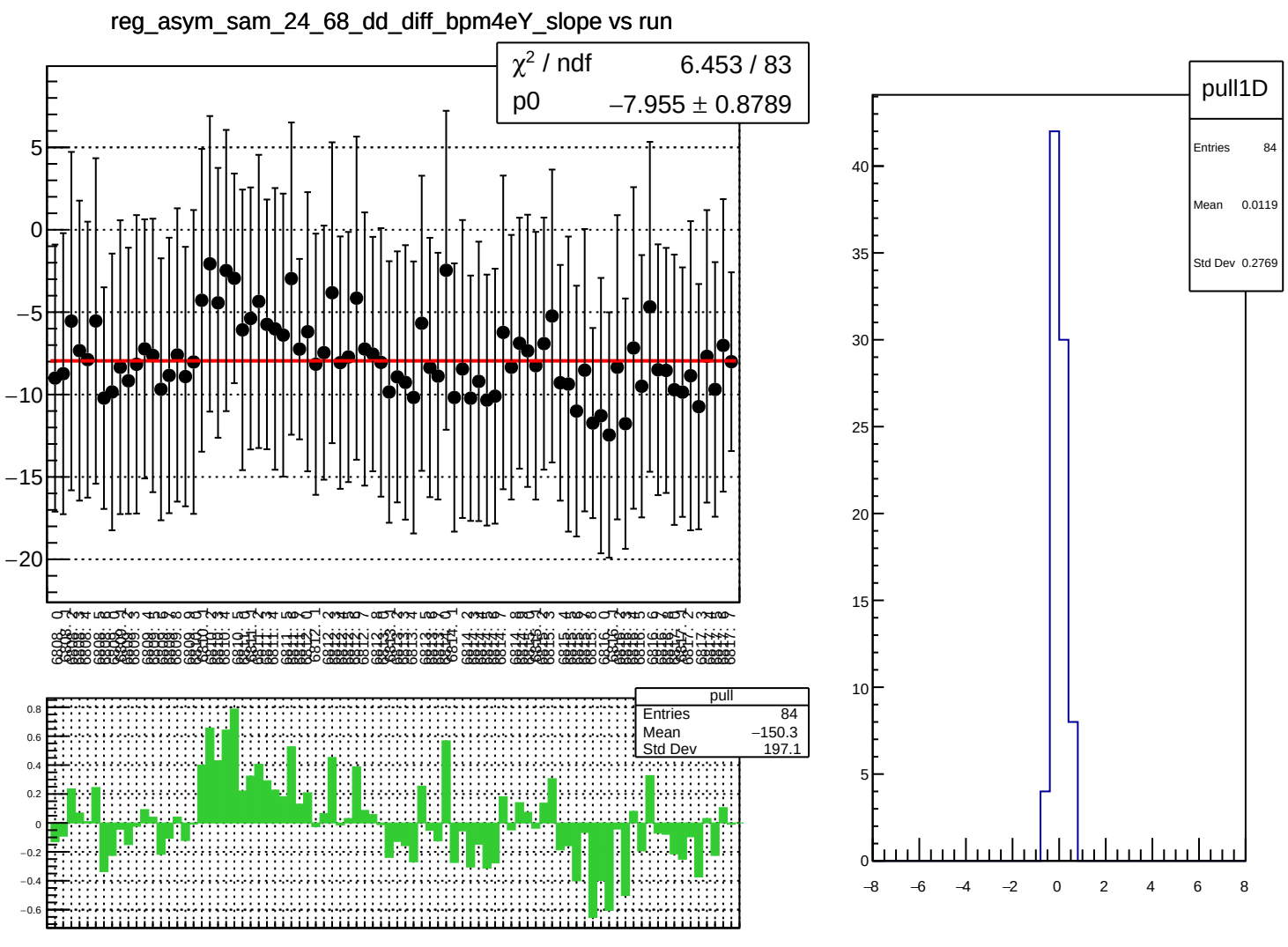

pull1D
Entries 84
Mean −0.0005596
Std Dev 0.1689

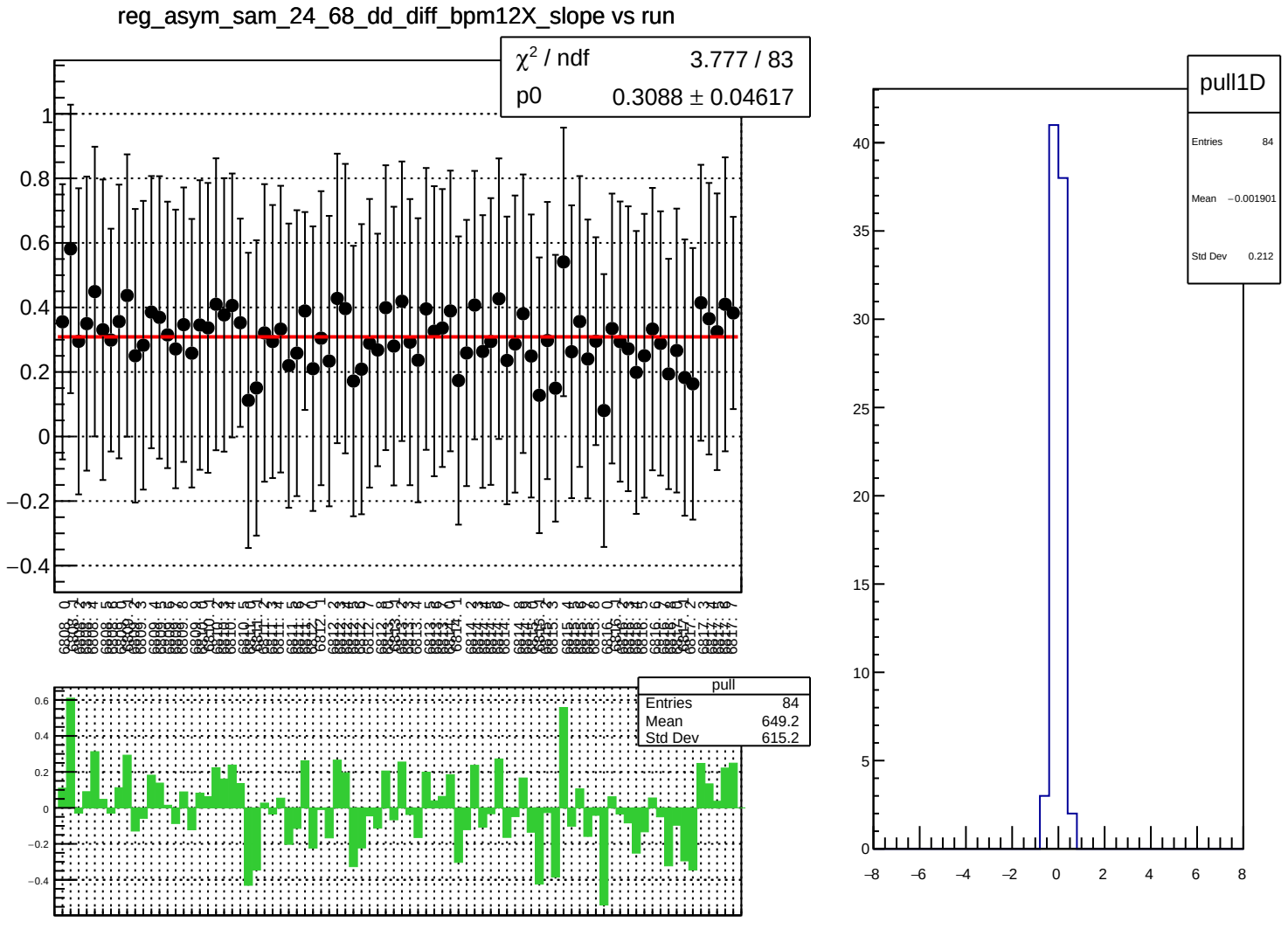

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 2.082 / 83
p0 −32.75 ± 1.137
pull
Entries 84
Mean 76.2
Std Dev 72.77
pull1D
Entries 84
Mean 0.003388
Std Dev 0.1574

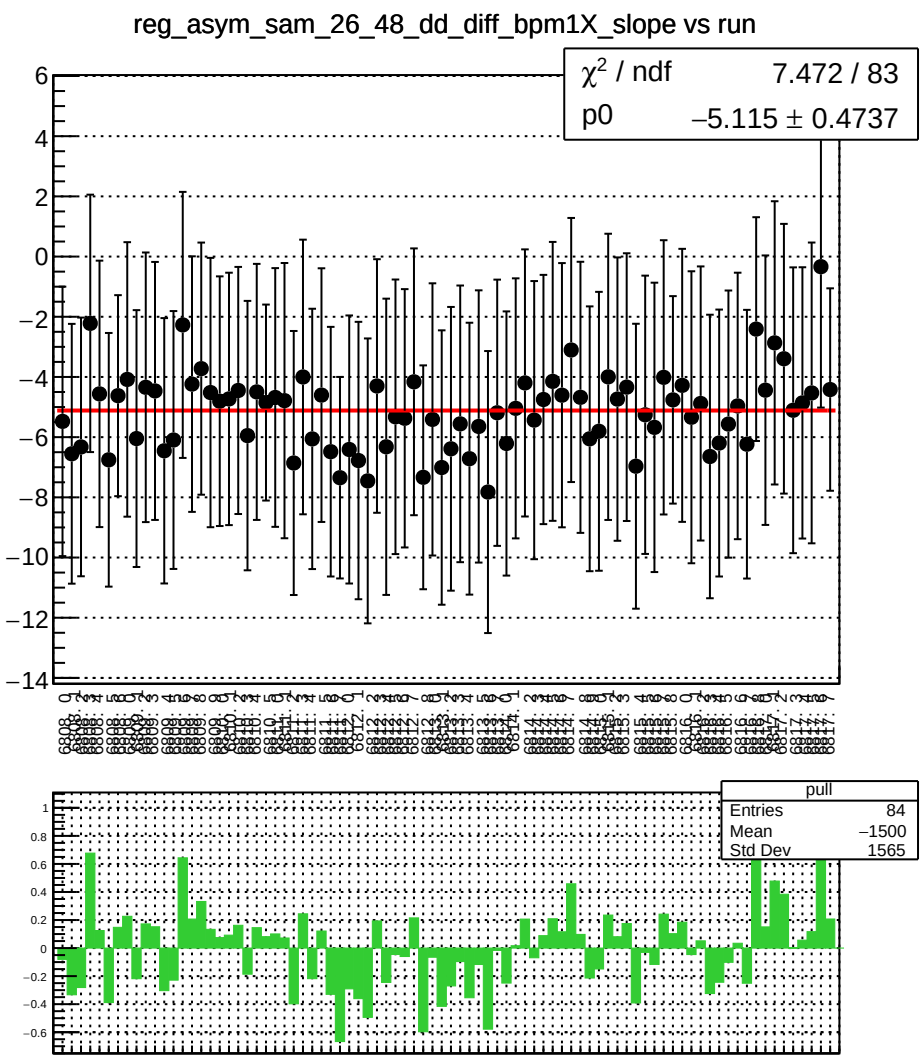

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.067 / 83
p0 −7.061 ± 0.7268
pull
Entries 84
Mean −17.28
Std Dev 57.79

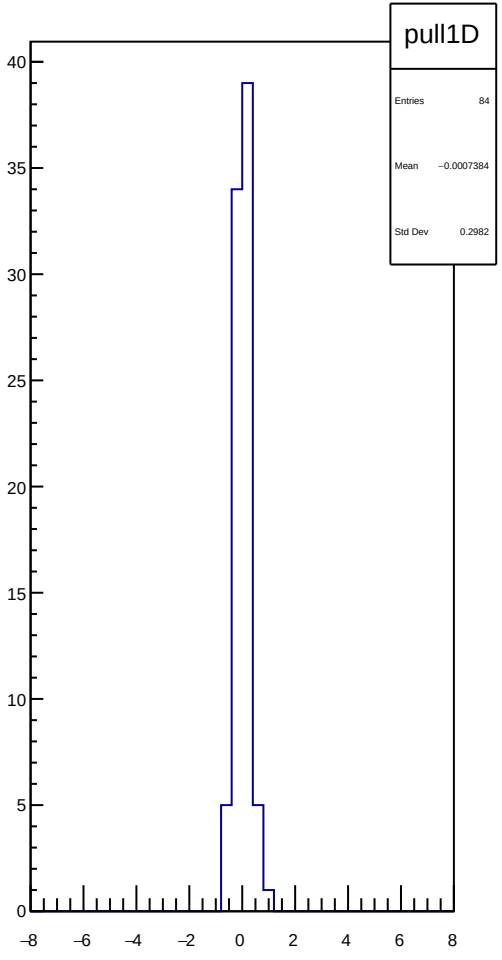

pull1D
Entries 84
Mean −0.02171
Std Dev 0.2892

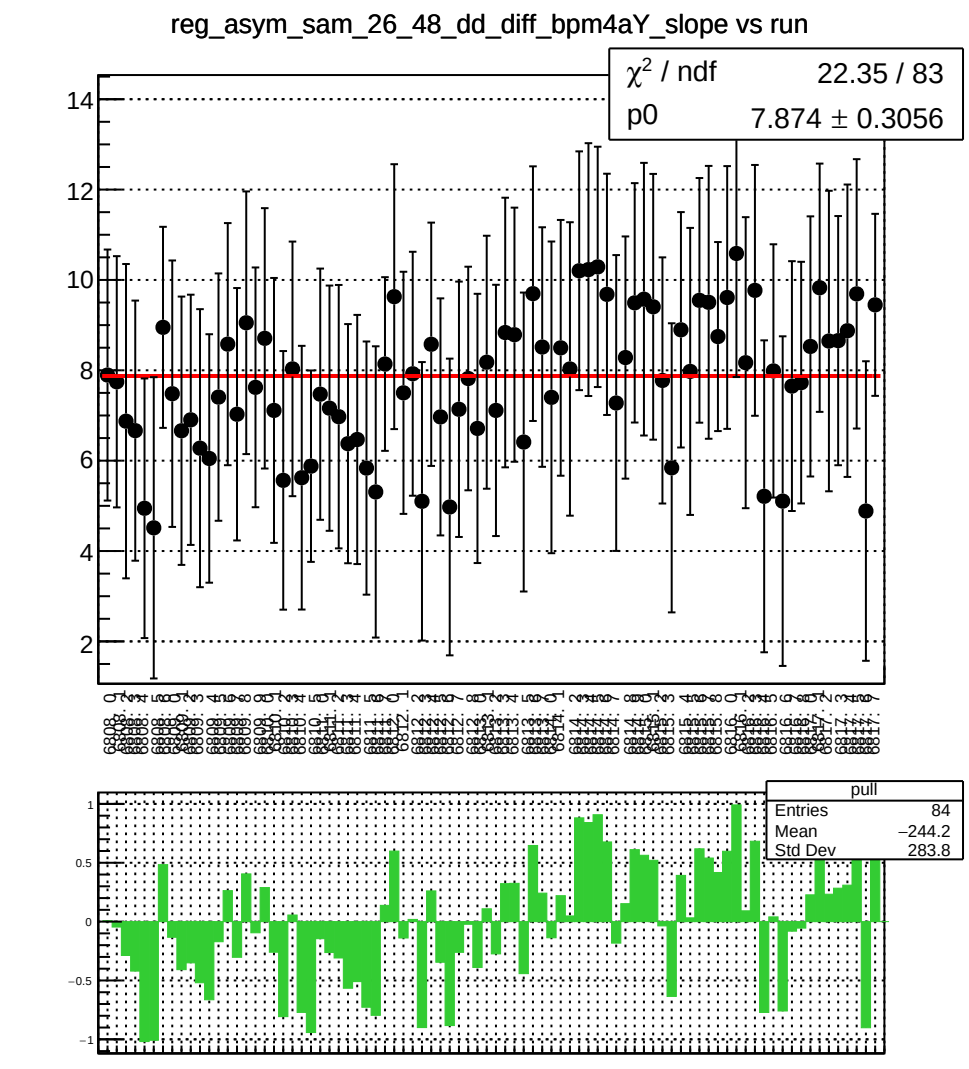

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.669 / 83
p0 −73.52 ± 1.063
pull
Entries 84
Mean 18.41
Std Dev 36.84
pull1D
Entries 84
Mean −0.005282
Std Dev 0.1782

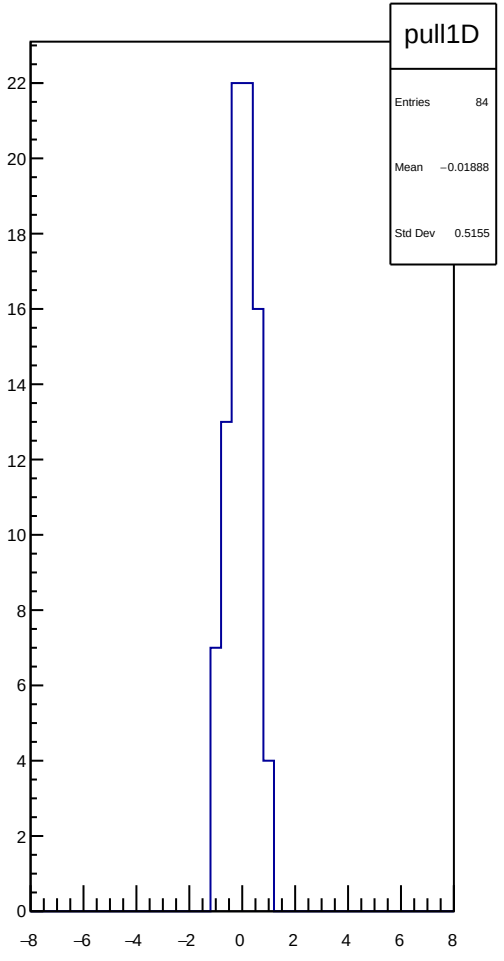

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.453 / 83
p0 −7.955 ± 0.8789
pull
Entries 84
Mean −150.3
Std Dev 197.1
pull1D
Entries 84
Mean 0.0119
Std Dev 0.2769

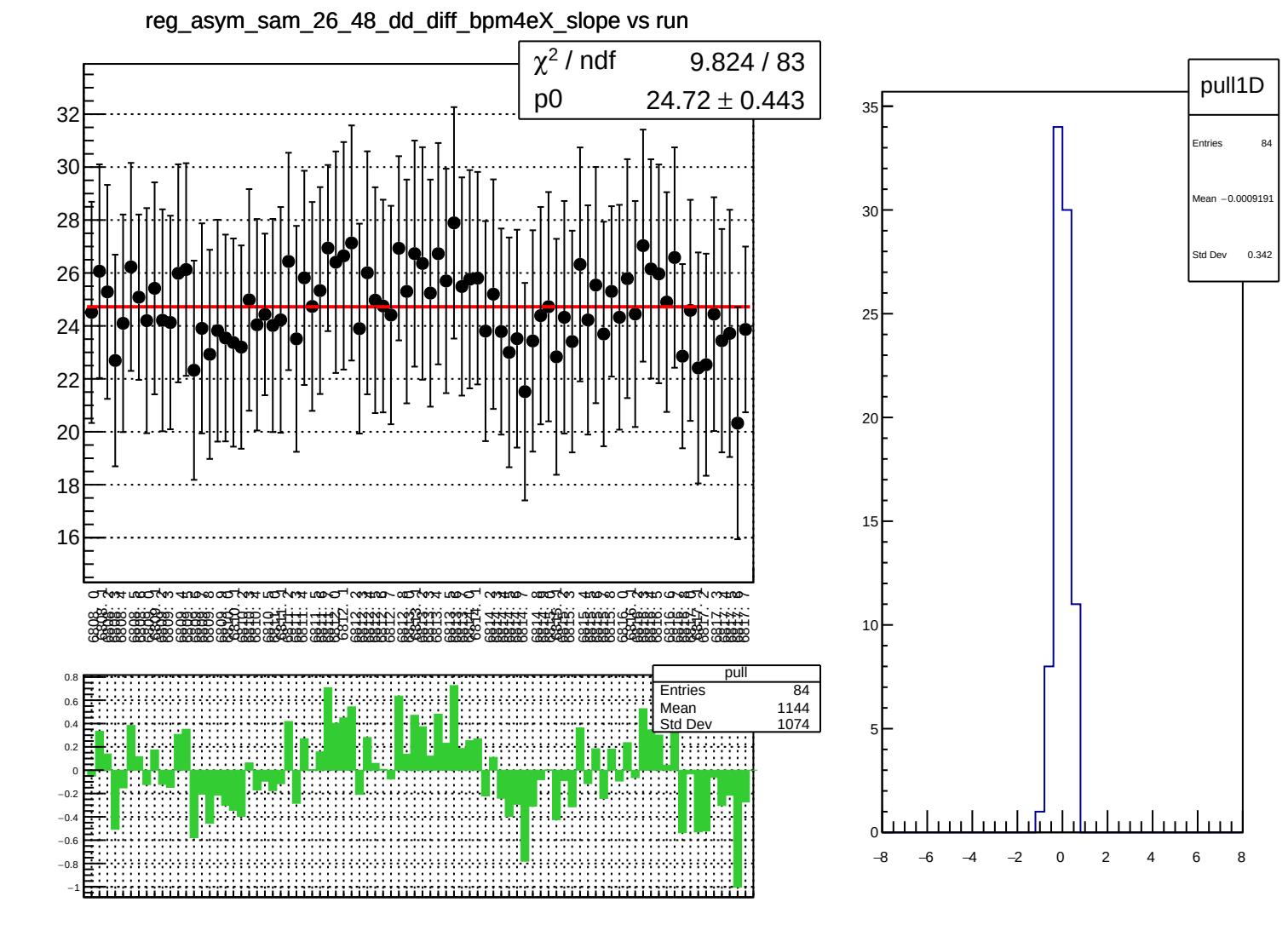

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.777 / 83
p0 0.3088 ± 0.04617
pull
Entries 84
Mean 649.2
Std Dev 615.2
pull1D
Entries 84
Mean −0.001901
Std Dev 0.212

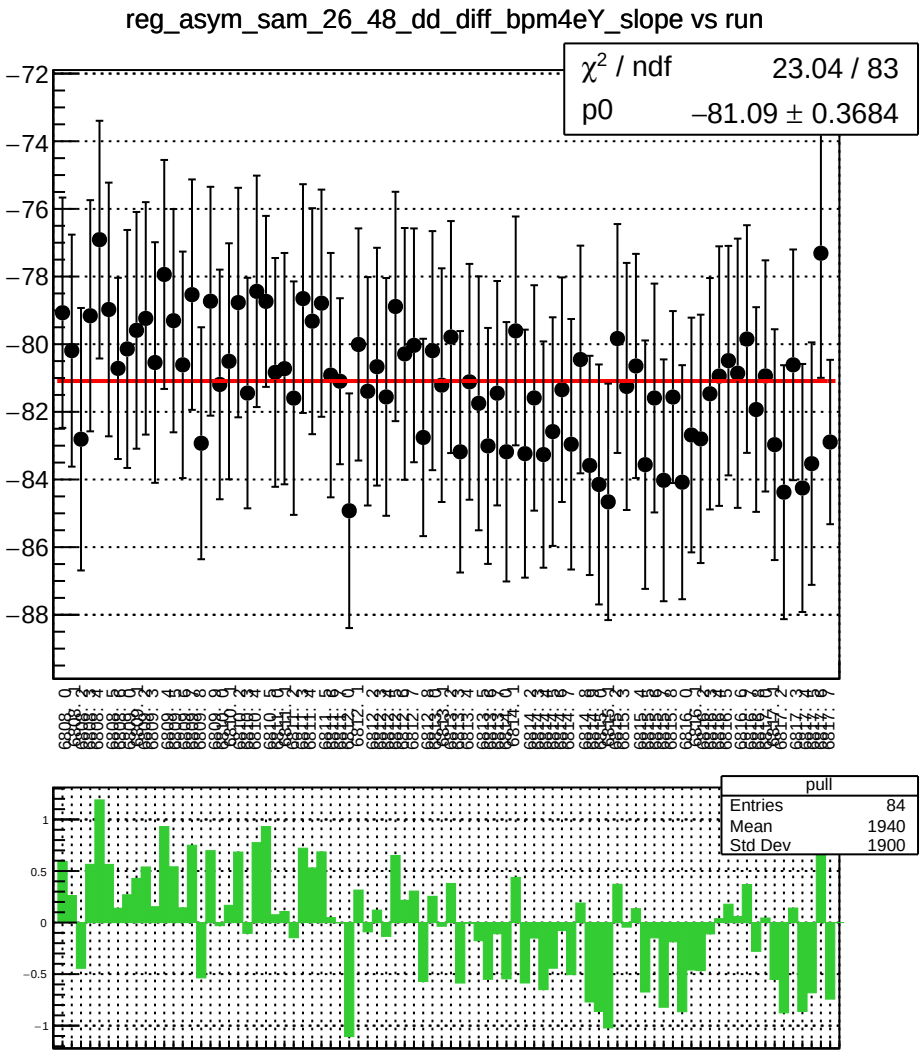

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 7.472 / 83
p0 −5.115 ± 0.4737
pull
Entries 84
Mean −1500
Std Dev 1565

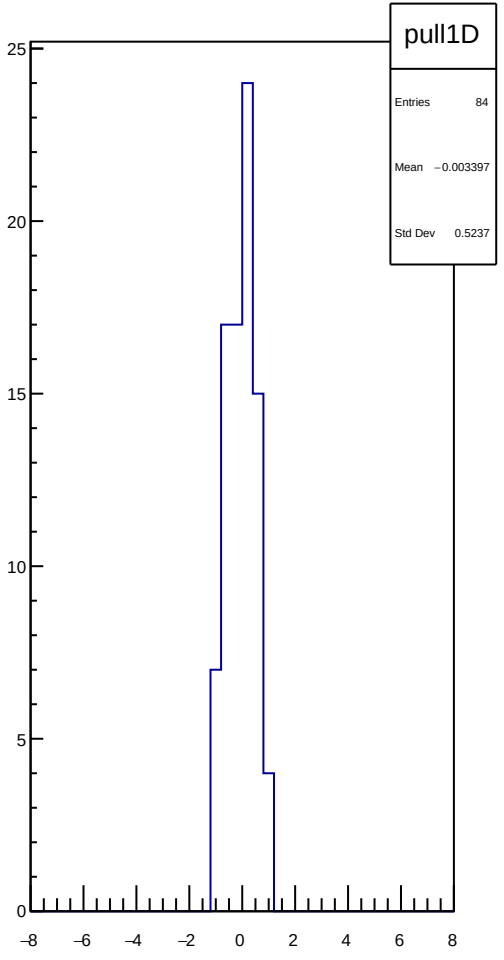

pull1D
Entries 84
Mean −0.0007384
Std Dev 0.2982

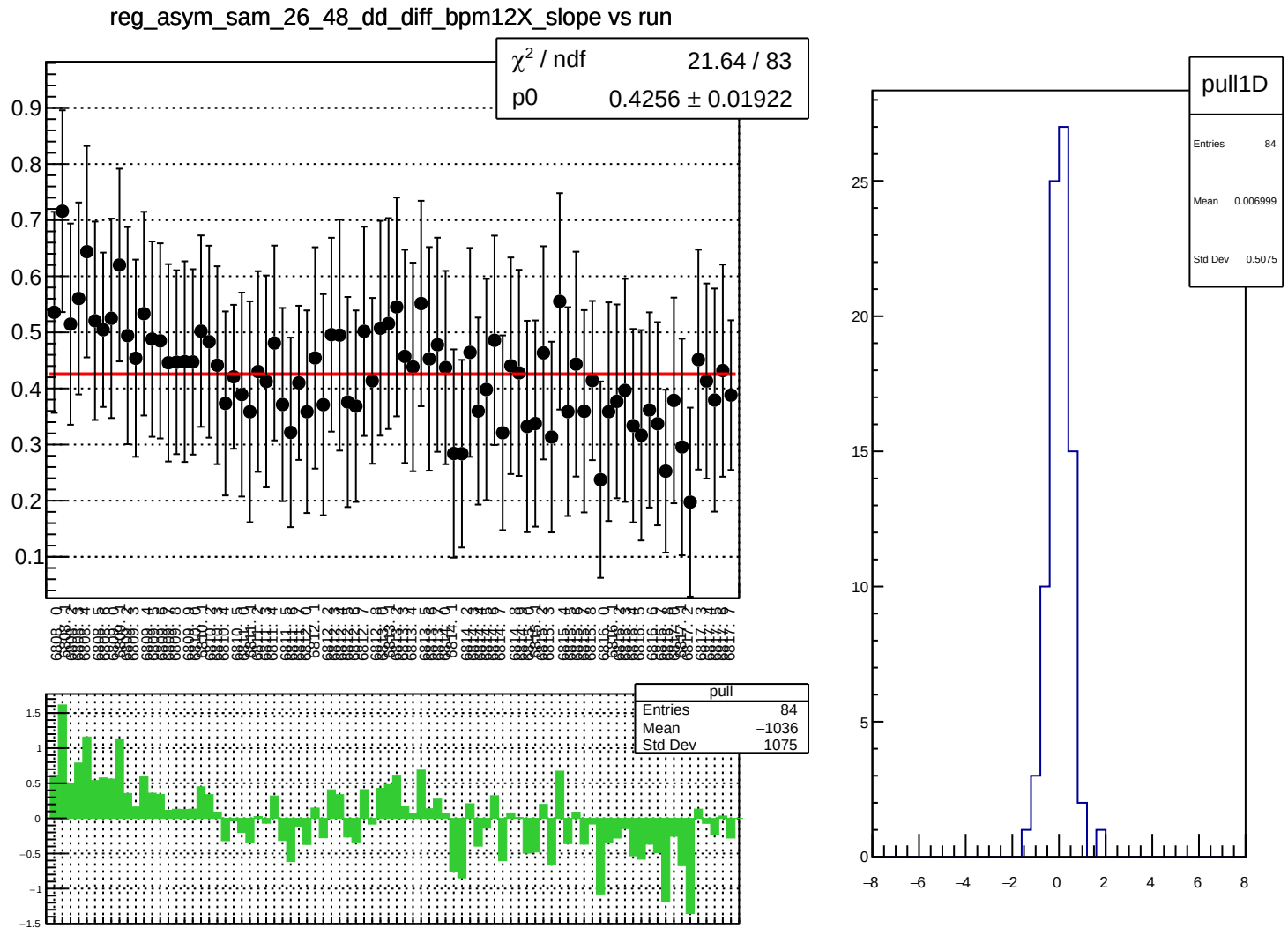

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.35 / 83
p0 7.874 ± 0.3056
pull
Entries 84
Mean −244.2
Std Dev 283.8

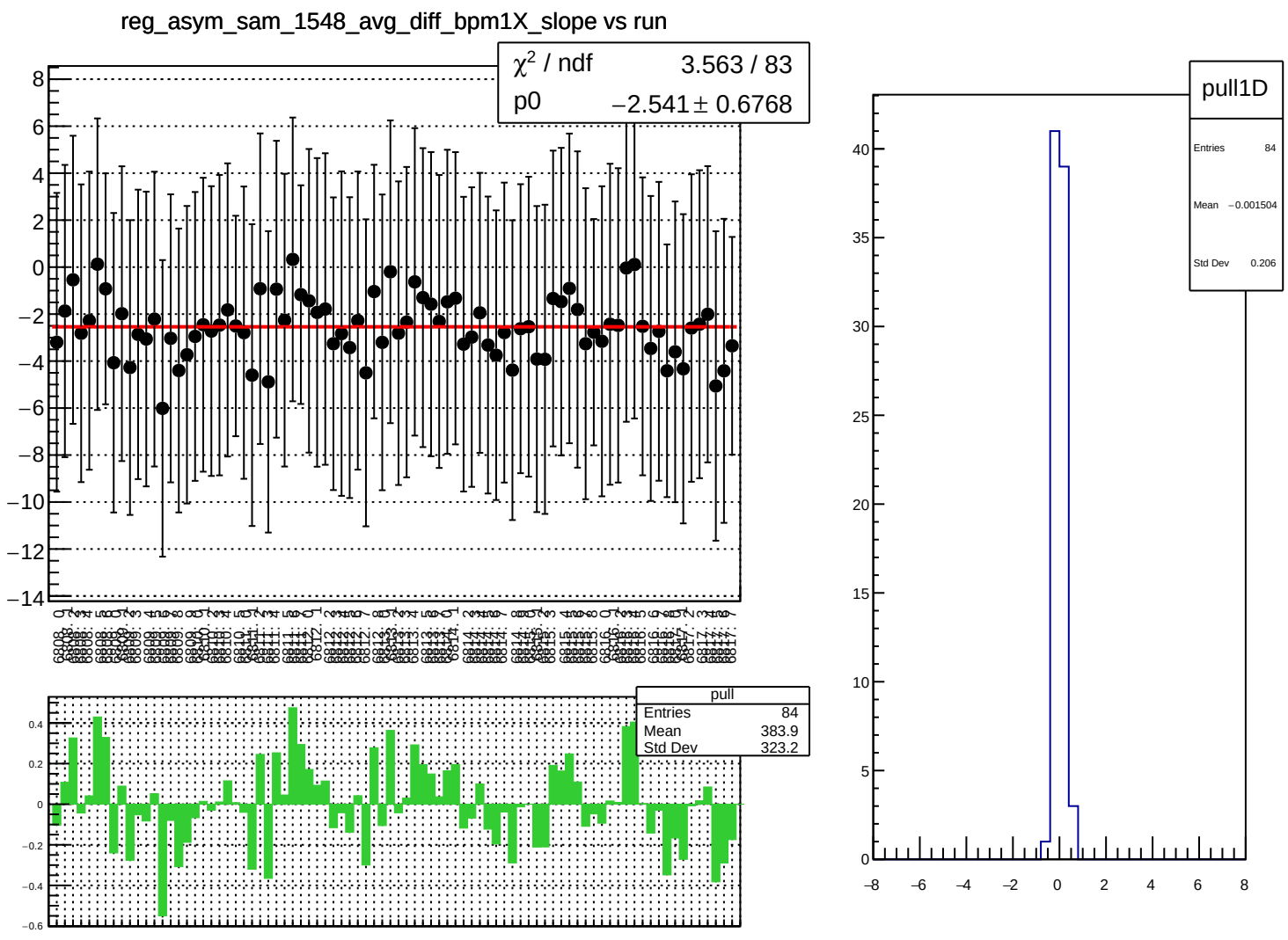

pull1D
Entries 84
Mean −0.01888
Std Dev 0.5155

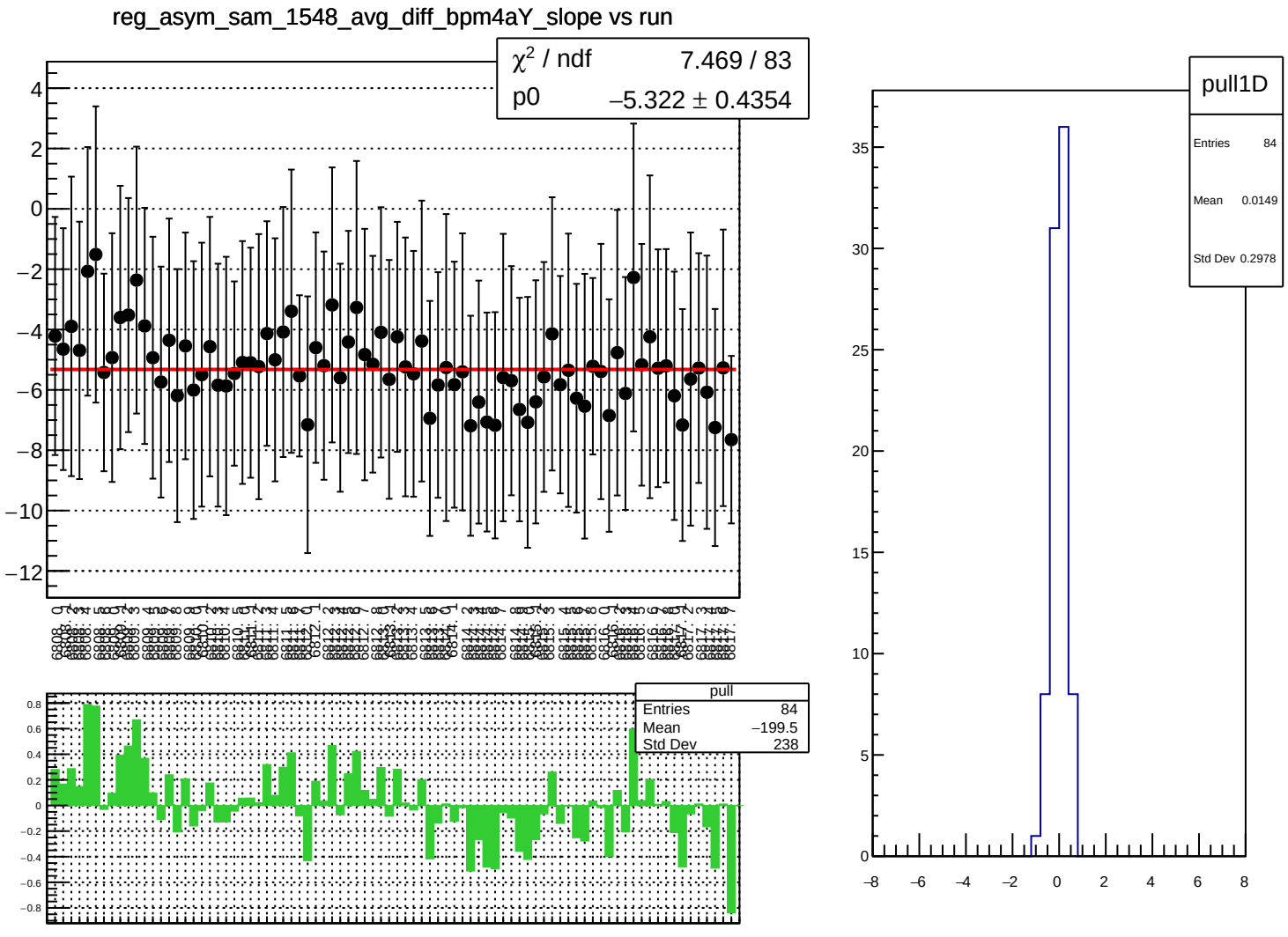

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.824 / 83
p0 24.72 ± 0.443
pull
Entries 84
Mean 1144
Std Dev 1074
pull1D
Entries 84
Mean −0.0009191
Std Dev 0.342

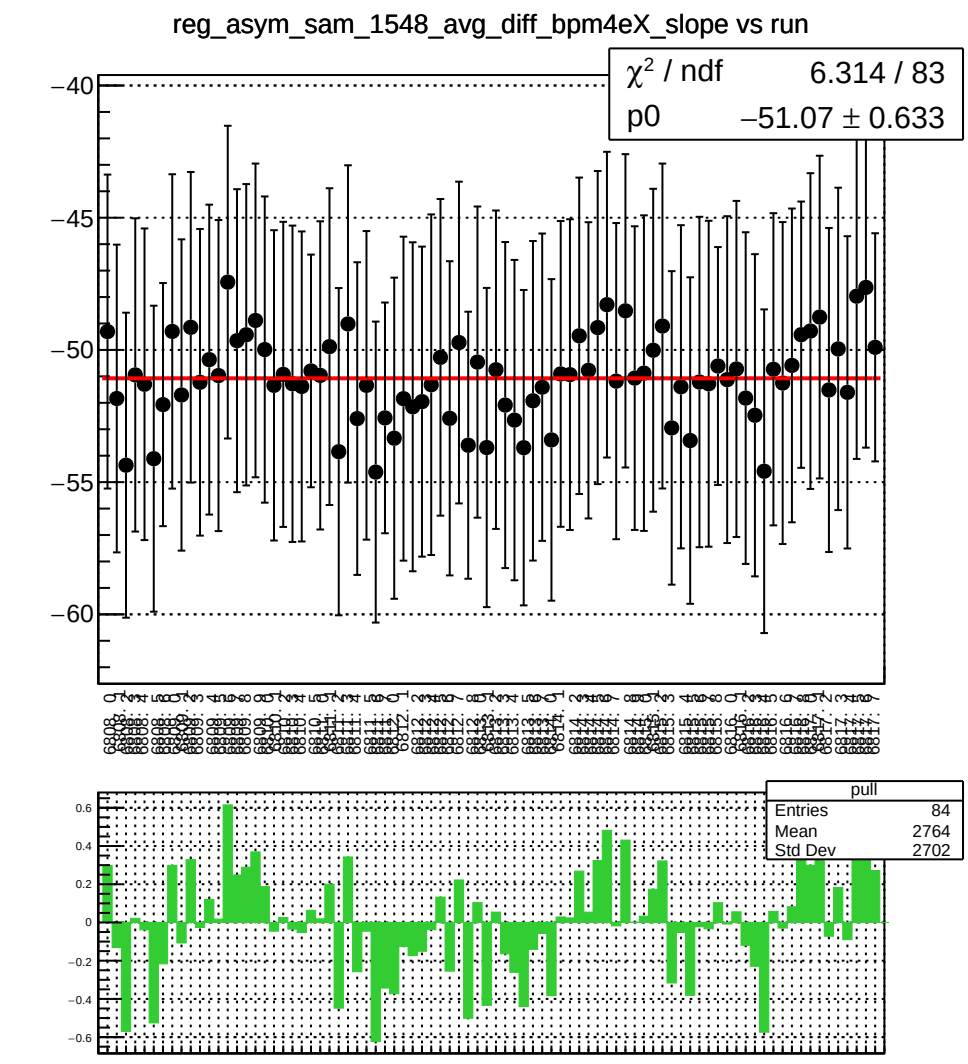

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.04 / 83
p0 −81.09 ± 0.3684
pull
Entries 84
Mean 1940
Std Dev 1900

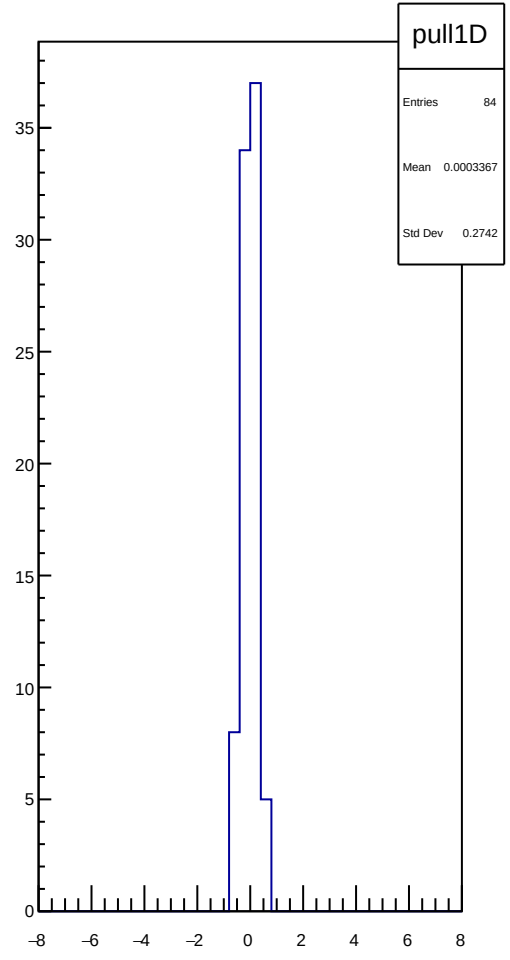

pull1D
Entries 84
Mean −0.003397
Std Dev 0.5237

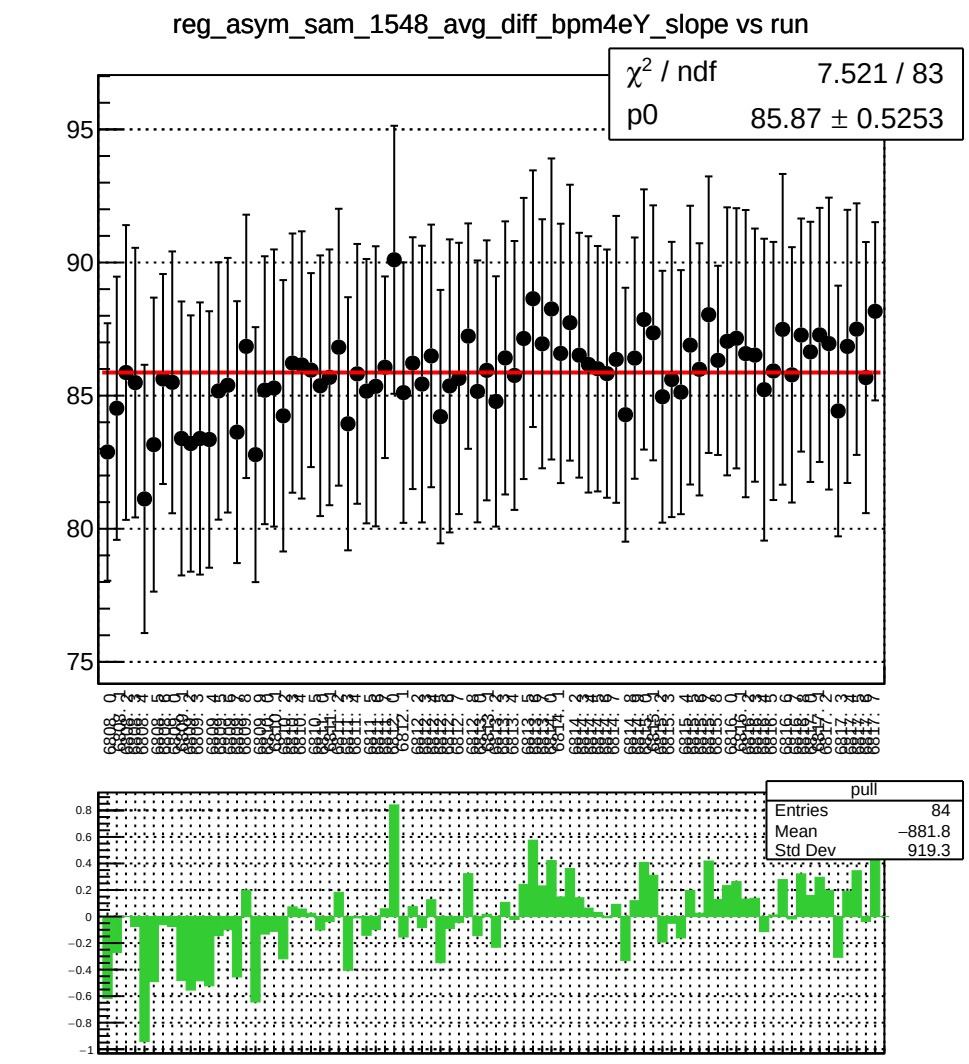

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 21.64 / 83
p0 0.4256 ± 0.01922
pull
Entries 84
Mean −1036
Std Dev 1075
pull1D
Entries 84
Mean 0.006999
Std Dev 0.5075

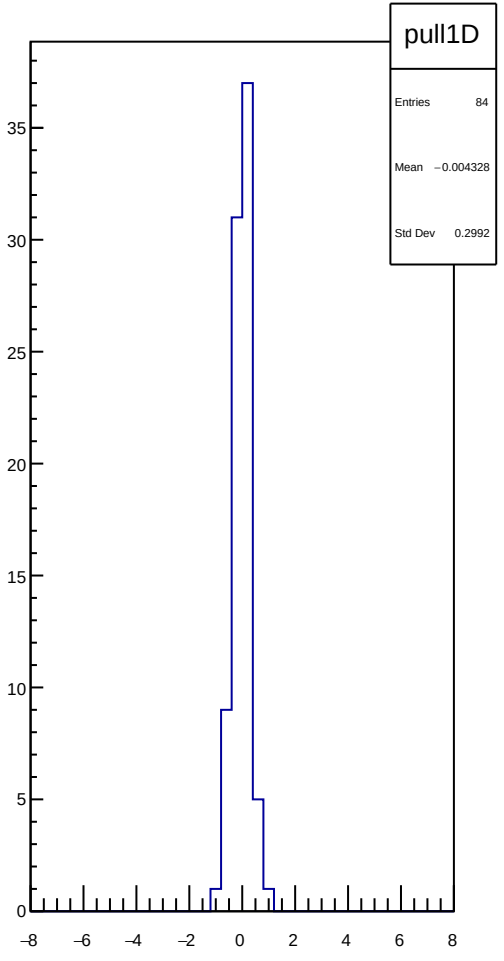

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 3.563 / 83
p0 −2.541 ± 0.6768
pull
Entries 84
Mean 383.9
Std Dev 323.2
pull1D
Entries 84
Mean −0.001504
Std Dev 0.206

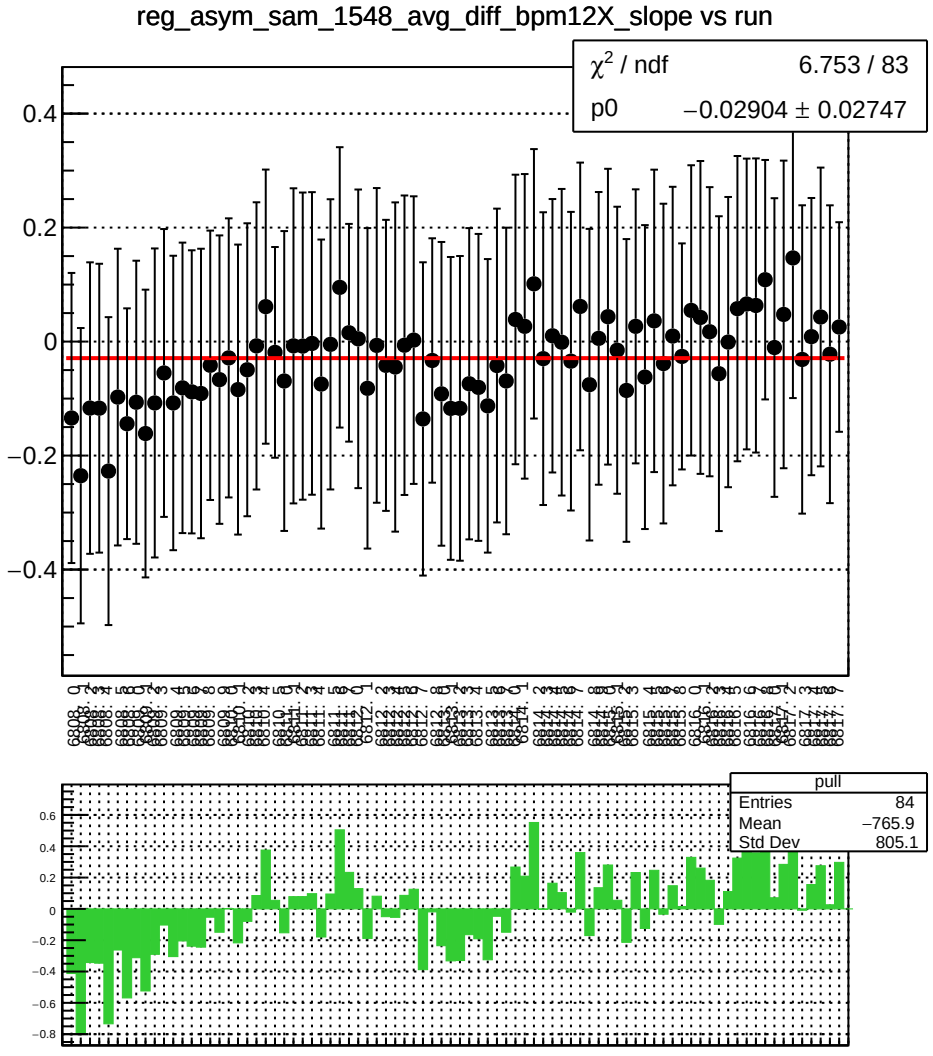

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.469 / 83
p0 −5.322 ± 0.4354
pull
Entries 84
Mean −199.5
Std Dev 238
pull1D
Entries 84
Mean 0.0149
Std Dev 0.2978

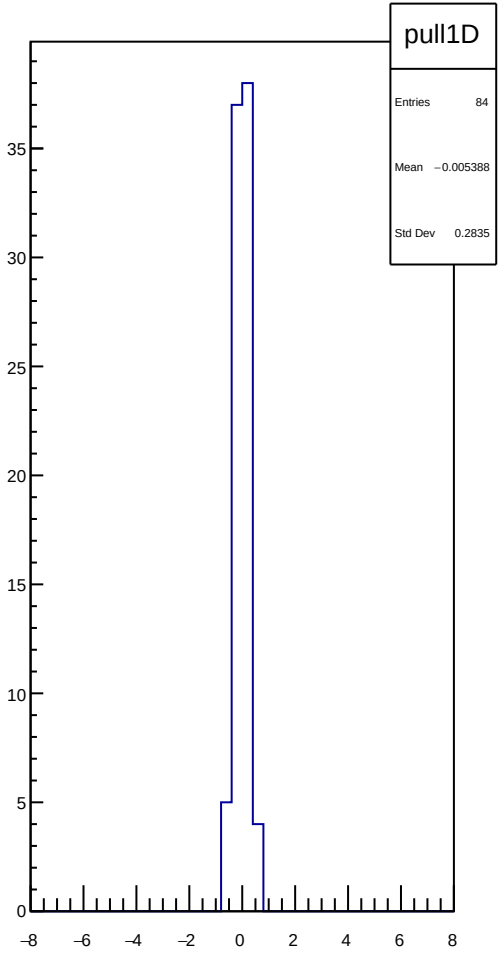

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.314 / 83
p0 −51.07 ± 0.633
−40
−45
−50
−55
−60
pull
Entries 84
Mean 2764
Std Dev 2702
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

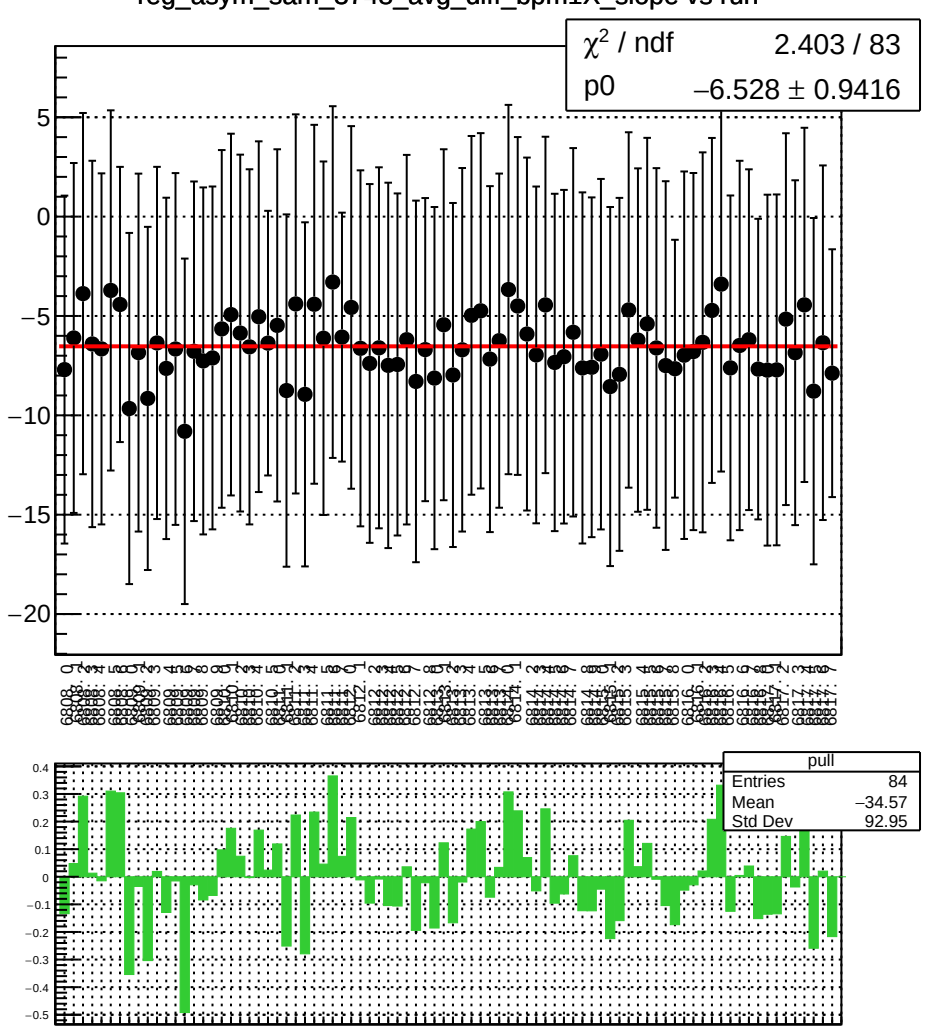

pull1D
Entries 84
Mean 0.0003367
Std Dev 0.2742
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

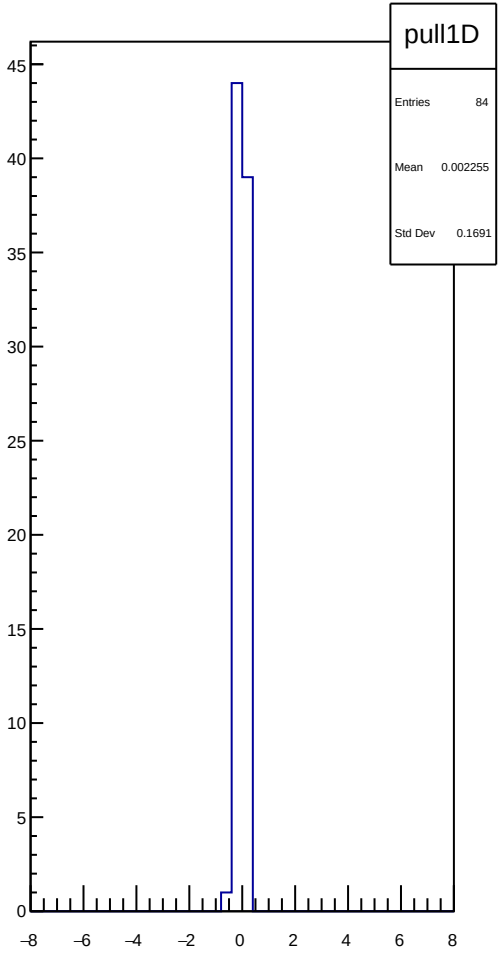

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.521 / 83
p0 85.87 ± 0.5253
95
90
85
80
75
pull
Entries 84
Mean −881.8
Std Dev 919.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

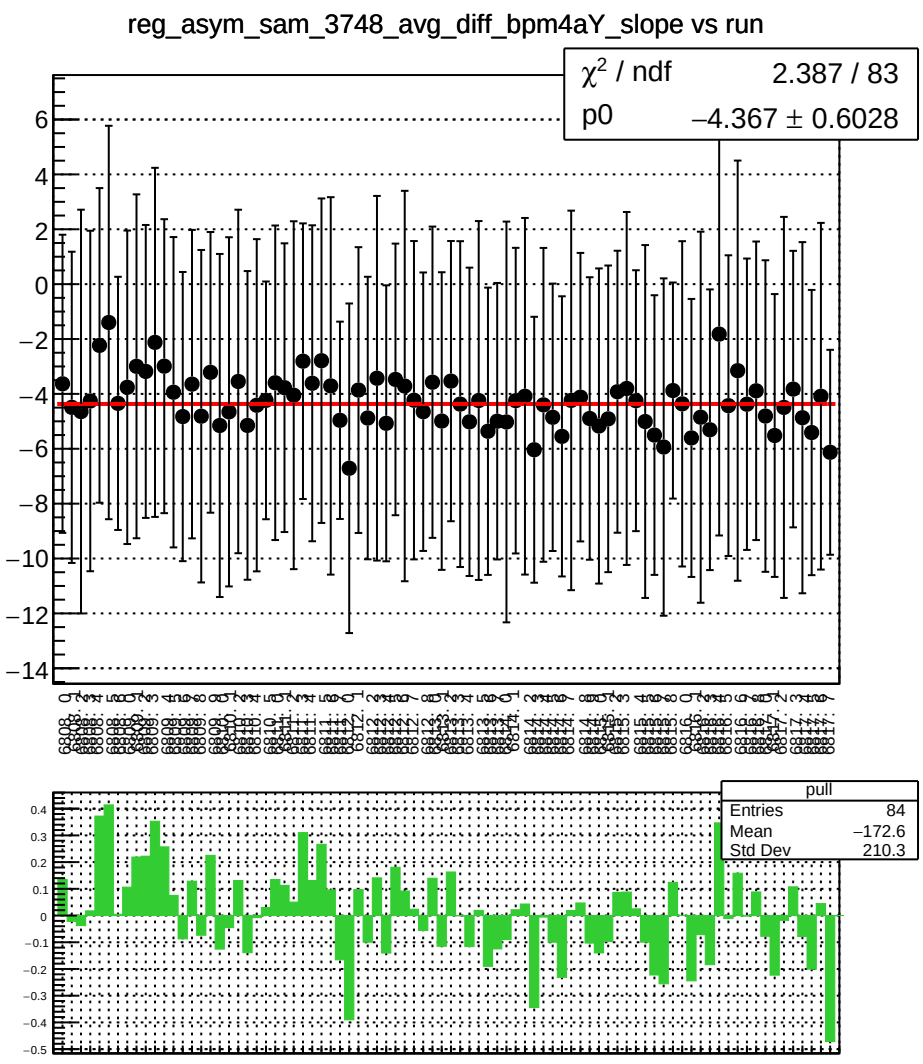

pull1D
Entries 84
Mean −0.004328
Std Dev 0.2992
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

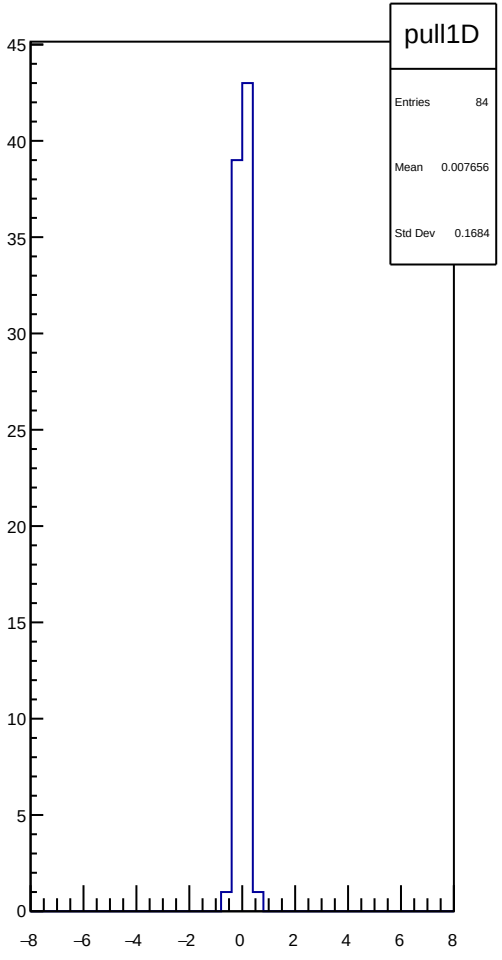

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 6.753 / 83
p0 −0.02904 ± 0.02747
pull
Entries 84
Mean −765.9
Std Dev 805.1

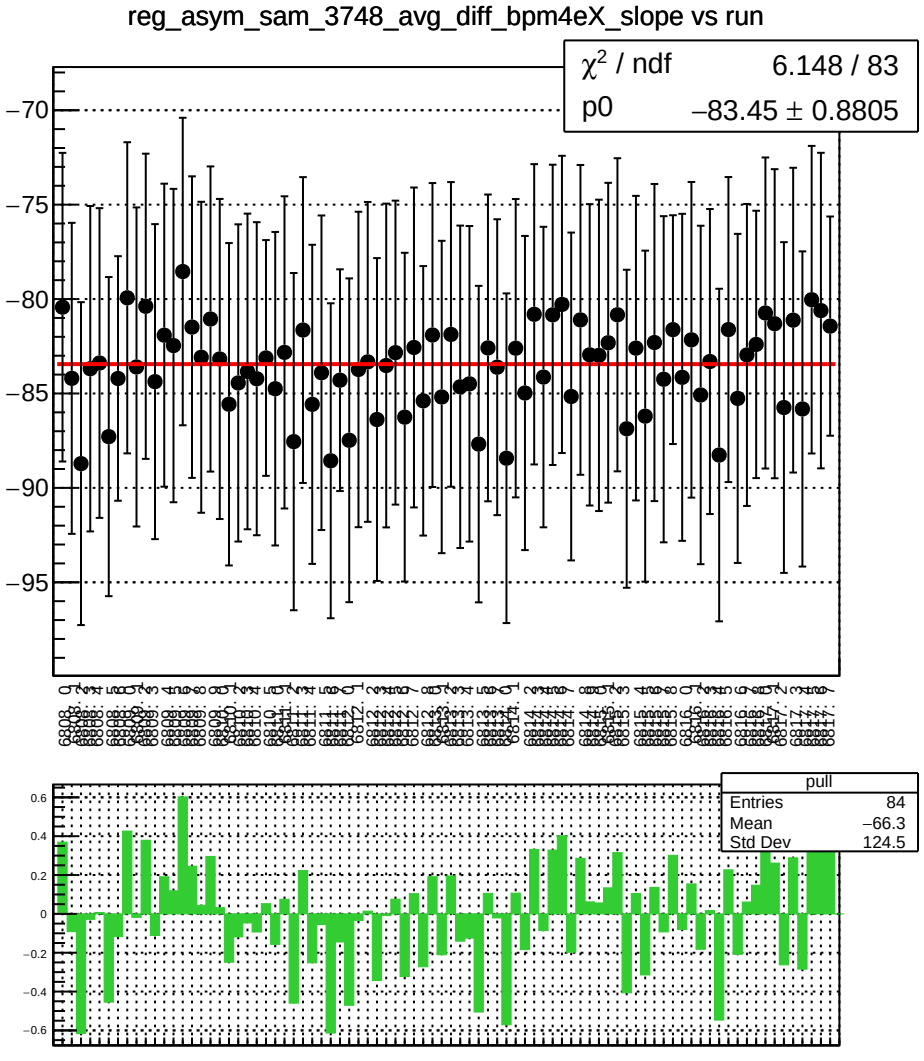

pull1D
Entries 84
Mean −0.005388
Std Dev 0.2835

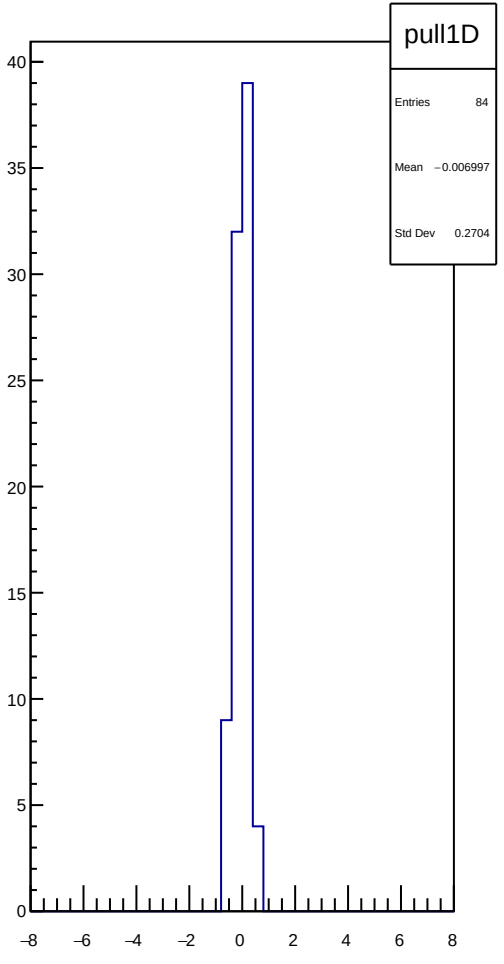

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 2.403 / 83
p0 −6.528 ± 0.9416
pull
Entries 84
Mean −34.57
Std Dev 92.95

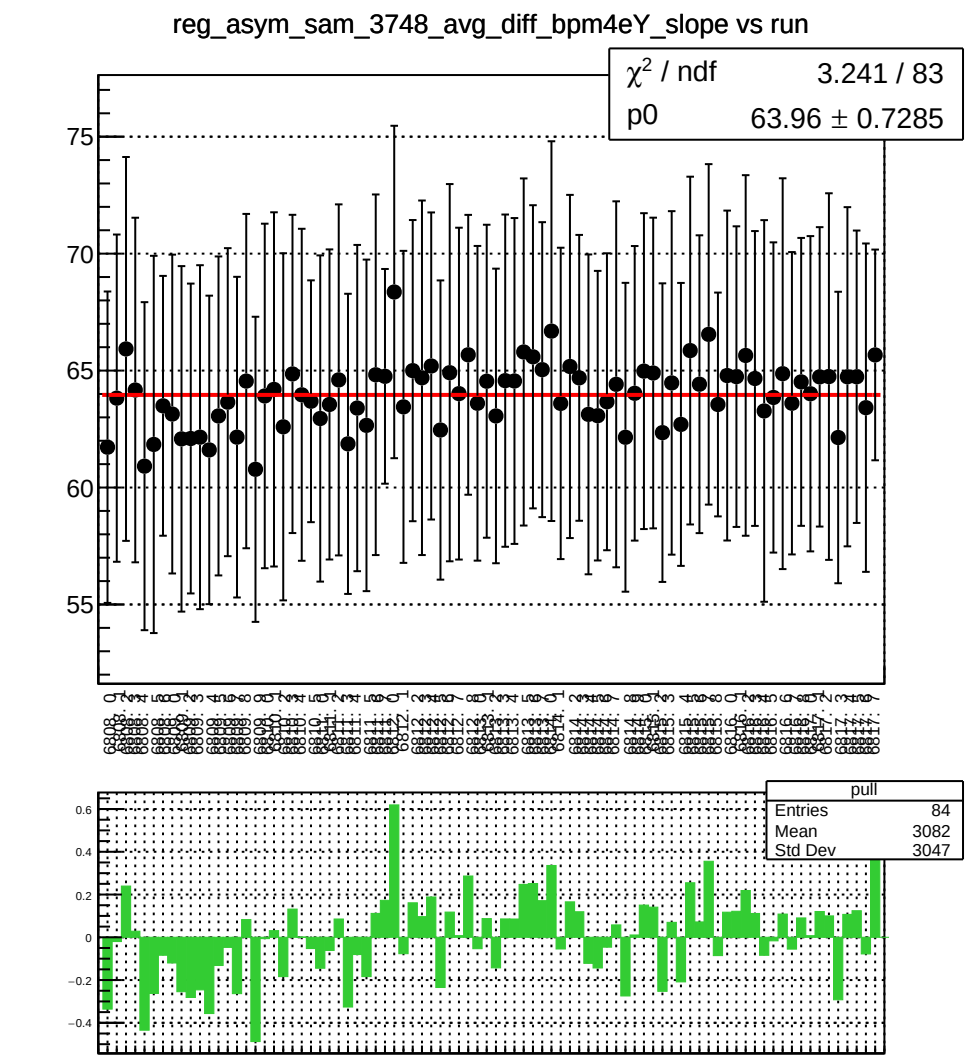

pull1D
Entries 84
Mean 0.002255
Std Dev 0.1691

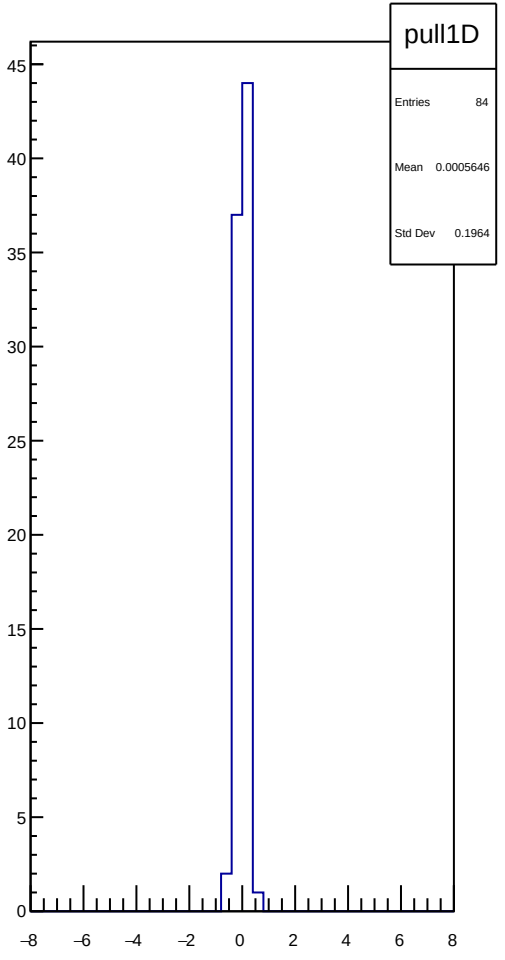

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.387 / 83
p0 −4.367 ± 0.6028
pull
Entries 84
Mean −172.6
Std Dev 210.3

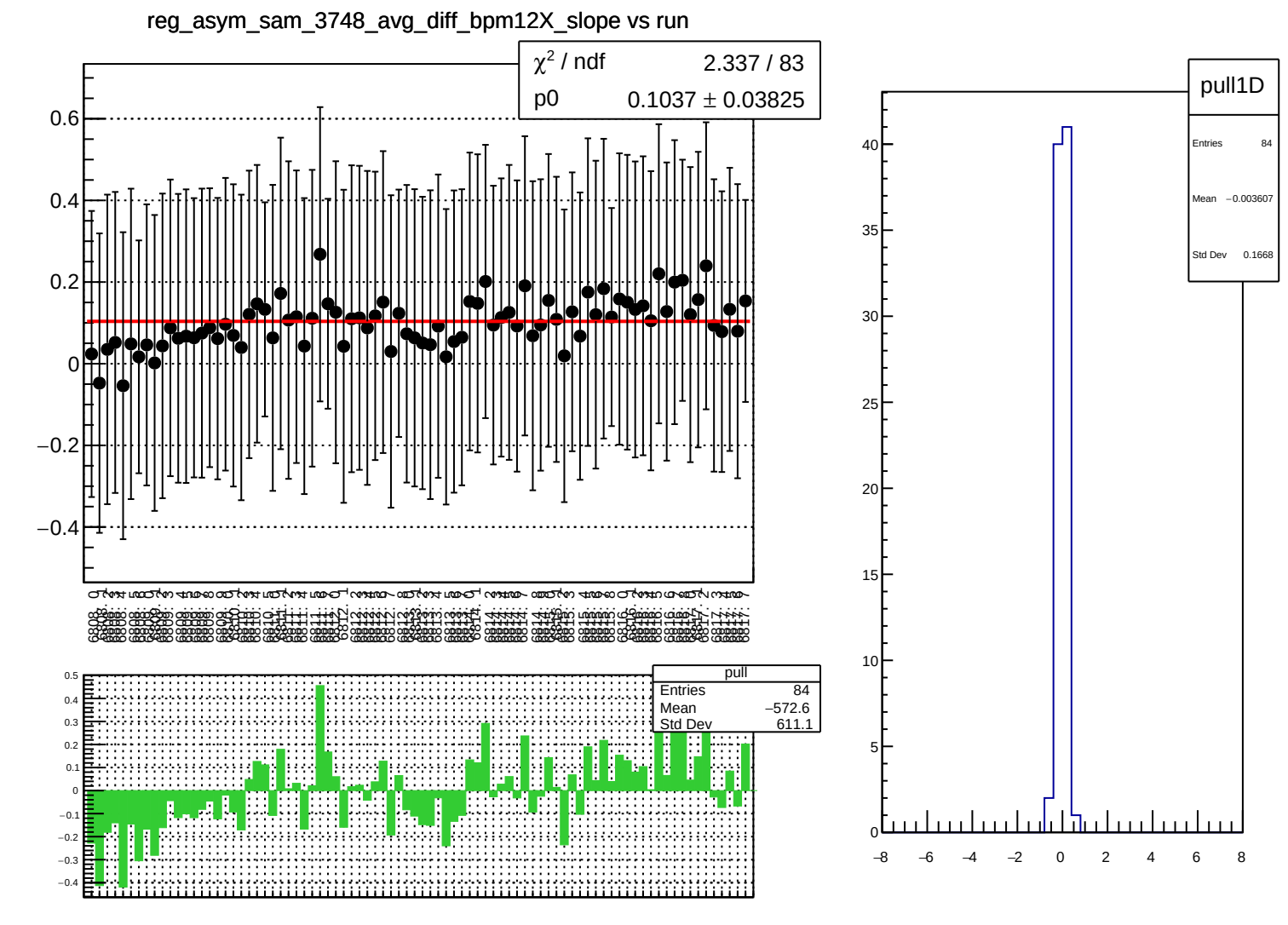

pull1D
Entries 84
Mean 0.007656
Std Dev 0.1684

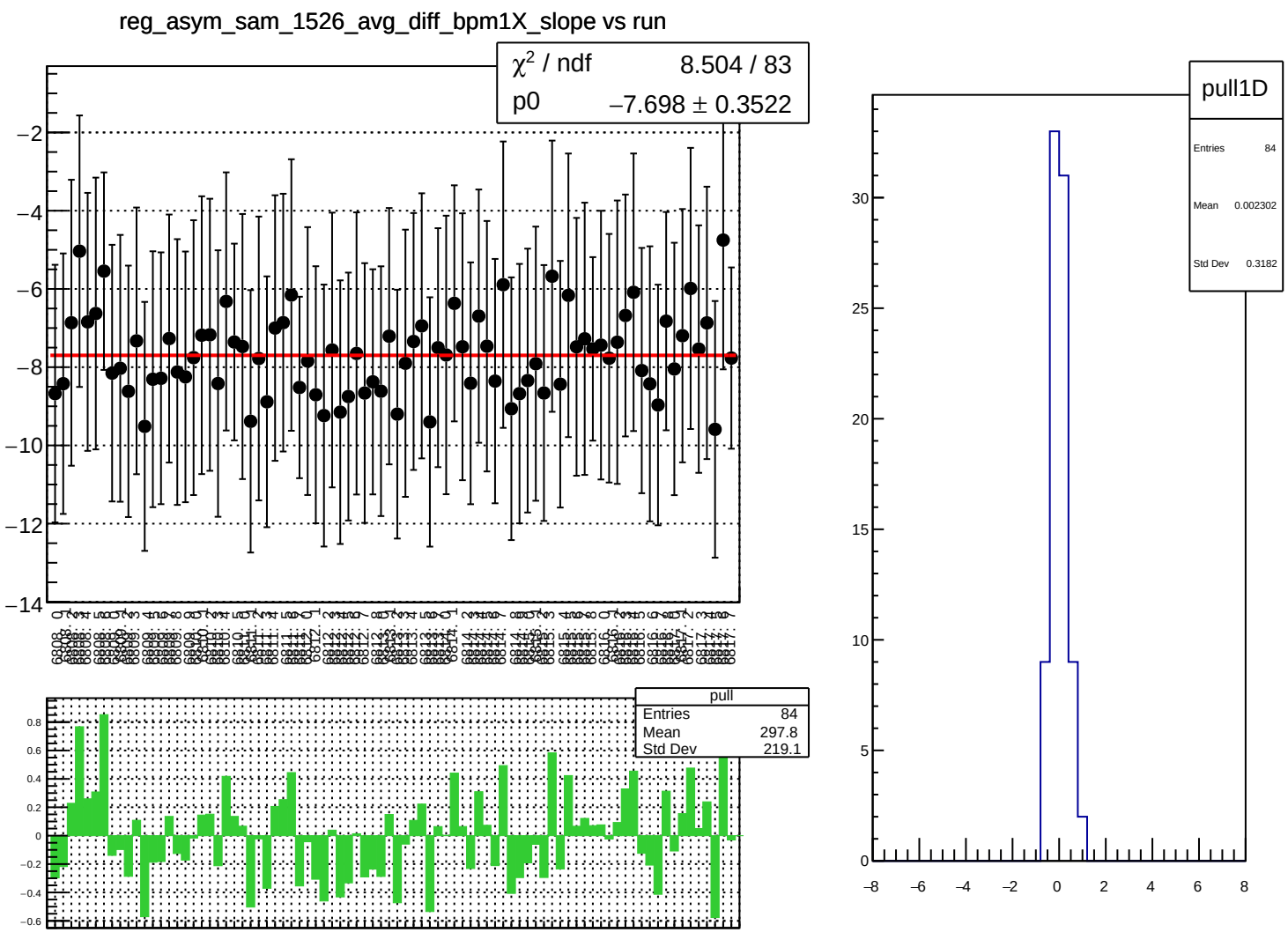

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.148 / 83
p0 −83.45 ± 0.8805
−70
−75
−80
−85
−90
−95
pull
Entries 84
Mean −66.3
Std Dev 124.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

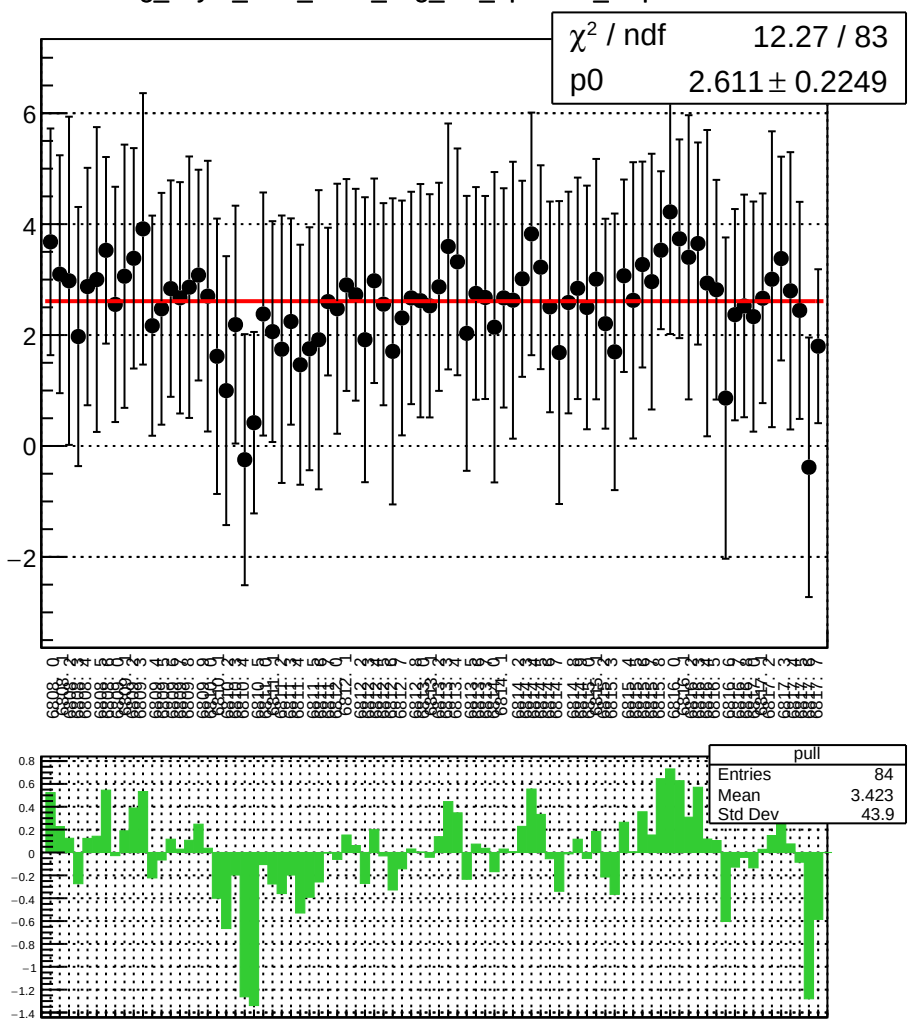

pull1D
Entries 84
Mean −0.006997
Std Dev 0.2704
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

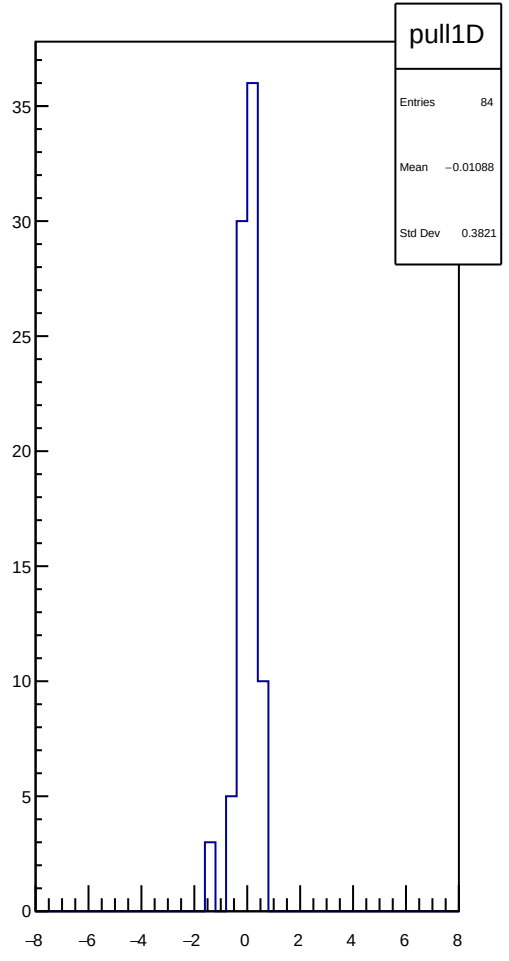

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.241 / 83
p0 63.96 ± 0.7285
pull
Entries 84
Mean 3082
Std Dev 3047

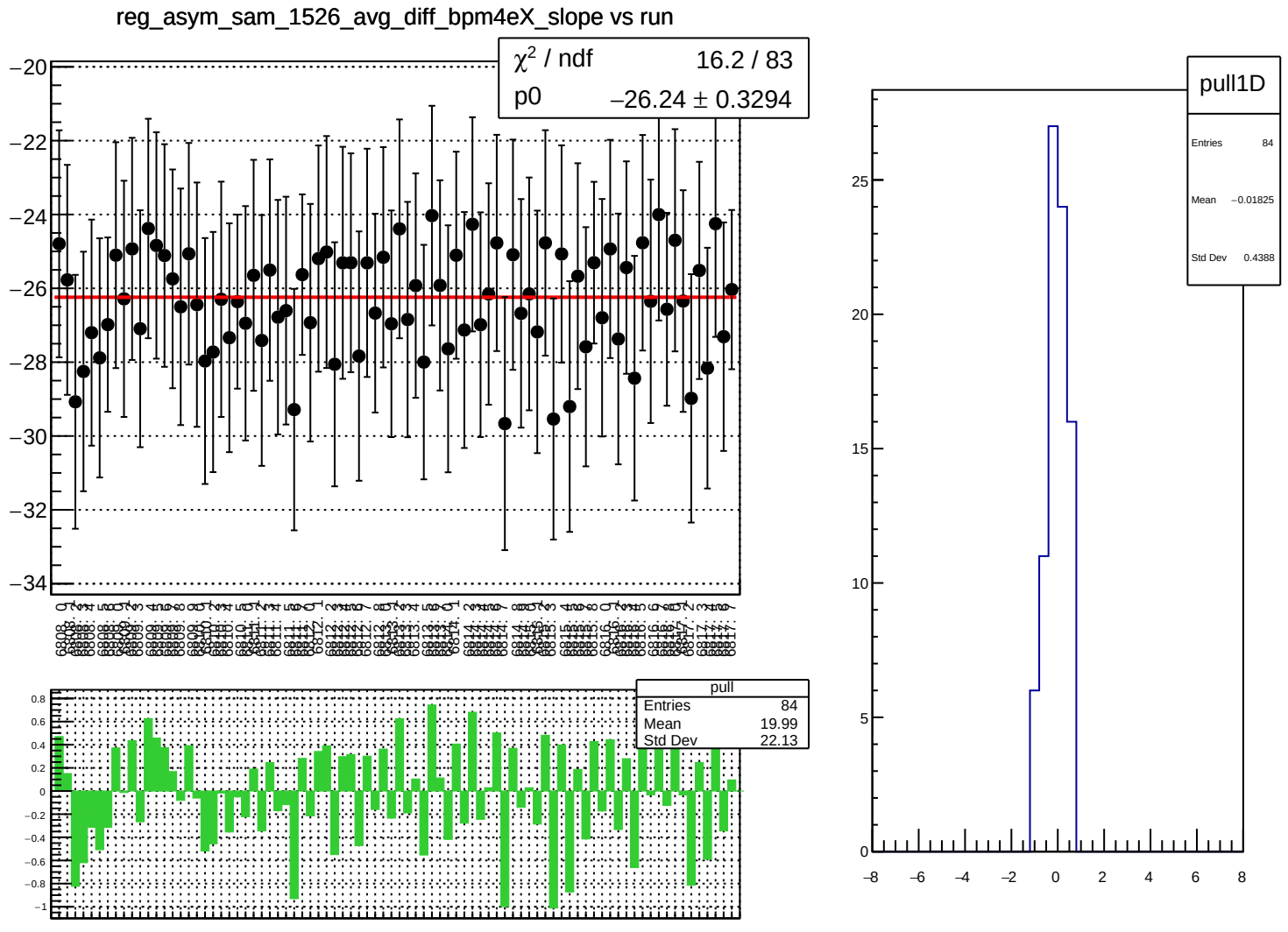

pull1D
Entries 84
Mean 0.0005646
Std Dev 0.1964

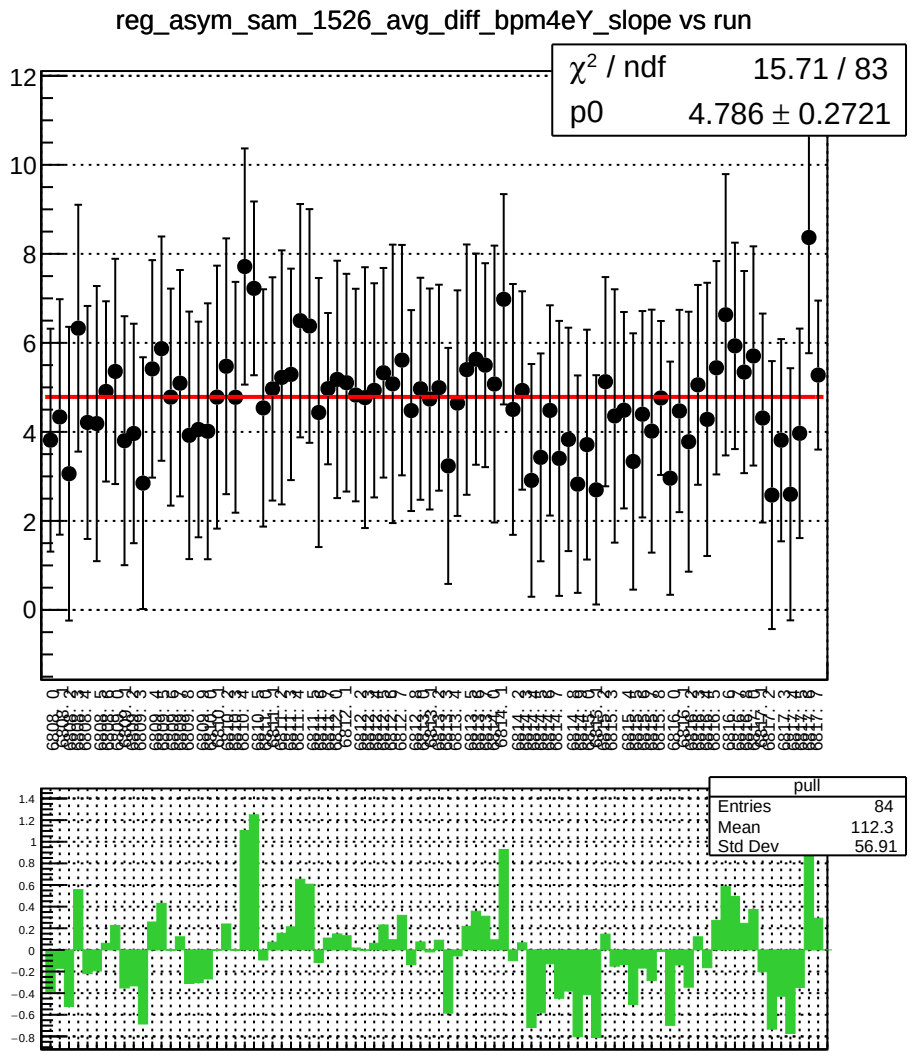

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.337 / 83
p0 0.1037 ± 0.03825
pull
Entries 84
Mean −572.6
Std Dev 611.1
pull1D
Entries 84
Mean −0.003607
Std Dev 0.1668

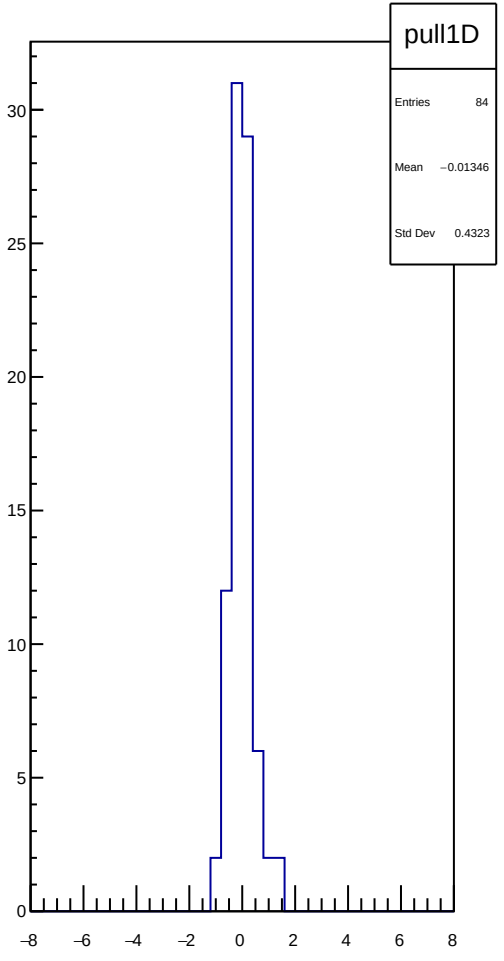

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 8.504 / 83
p0 −7.698 ± 0.3522
pull
Entries 84
Mean 297.8
Std Dev 219.1
pull1D
Entries 84
Mean 0.002302
Std Dev 0.3182

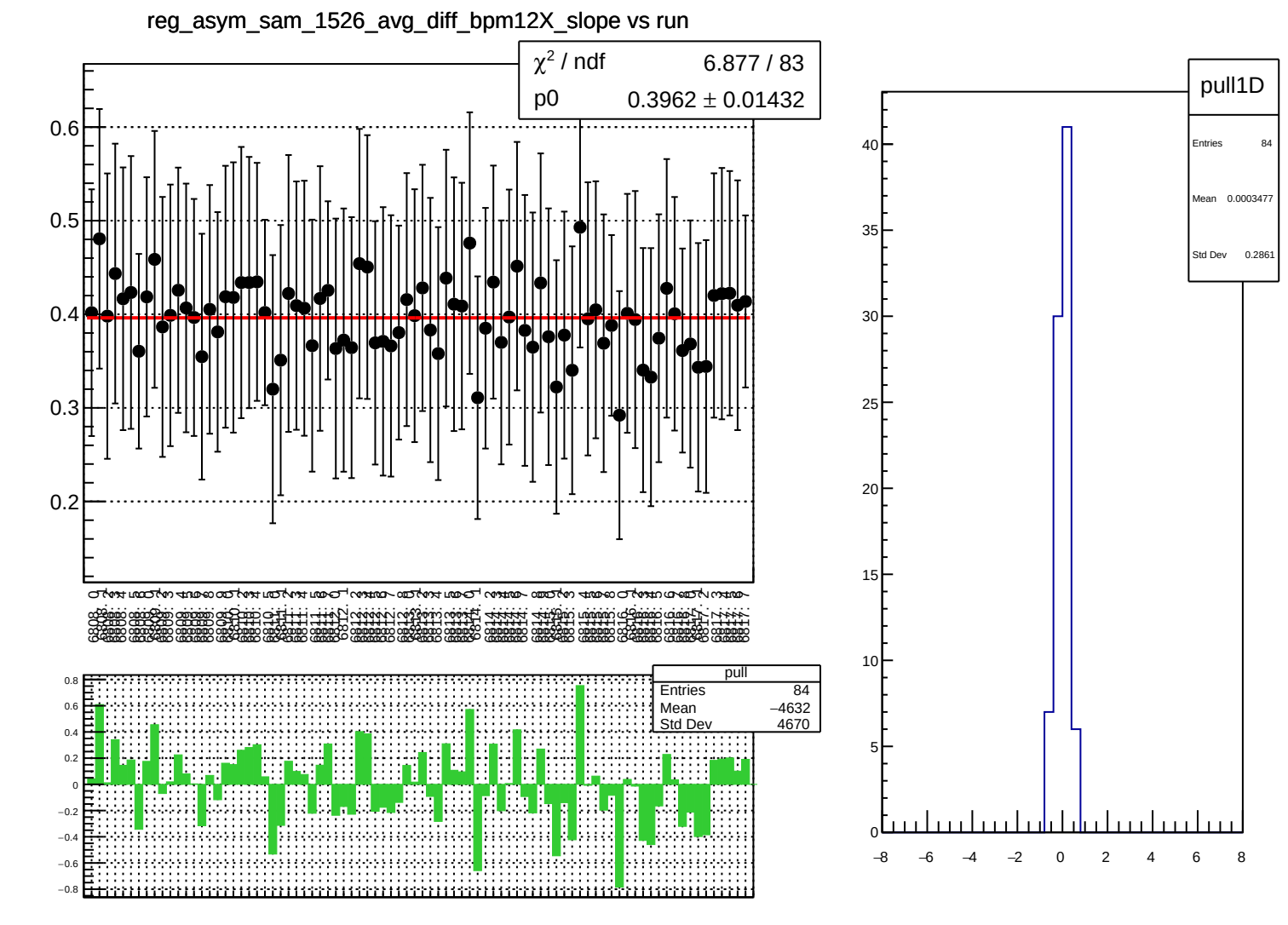

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.27 / 83
p0 2.611 ± 0.2249
pull
Entries 84
Mean 3.423
Std Dev 43.9

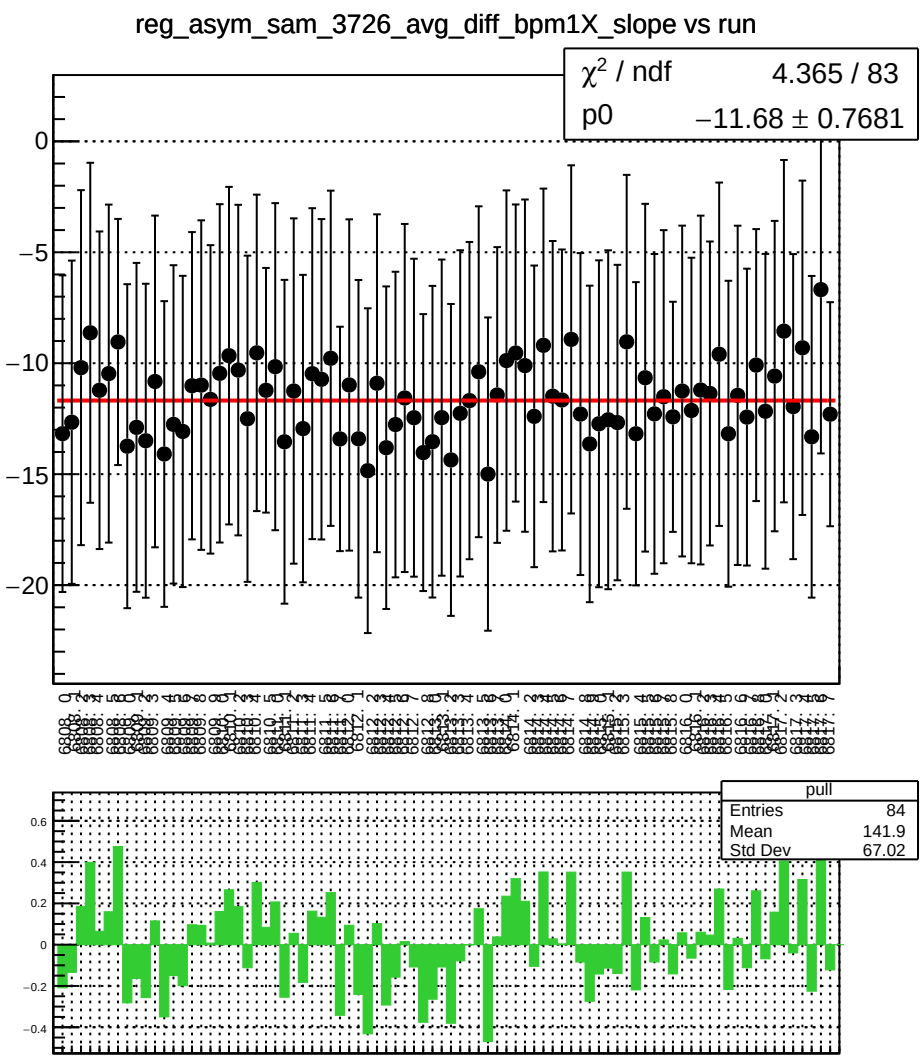

pull1D
Entries 84
Mean −0.01088
Std Dev 0.3821

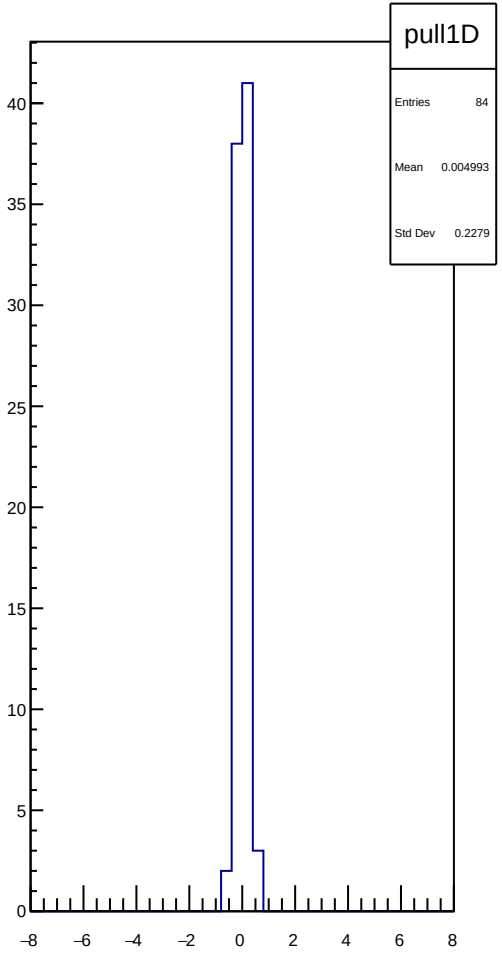

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.2 / 83
p0 −26.24 ± 0.3294
pull
Entries 84
Mean 19.99
Std Dev 22.13
pull1D
Entries 84
Mean −0.01825
Std Dev 0.4388

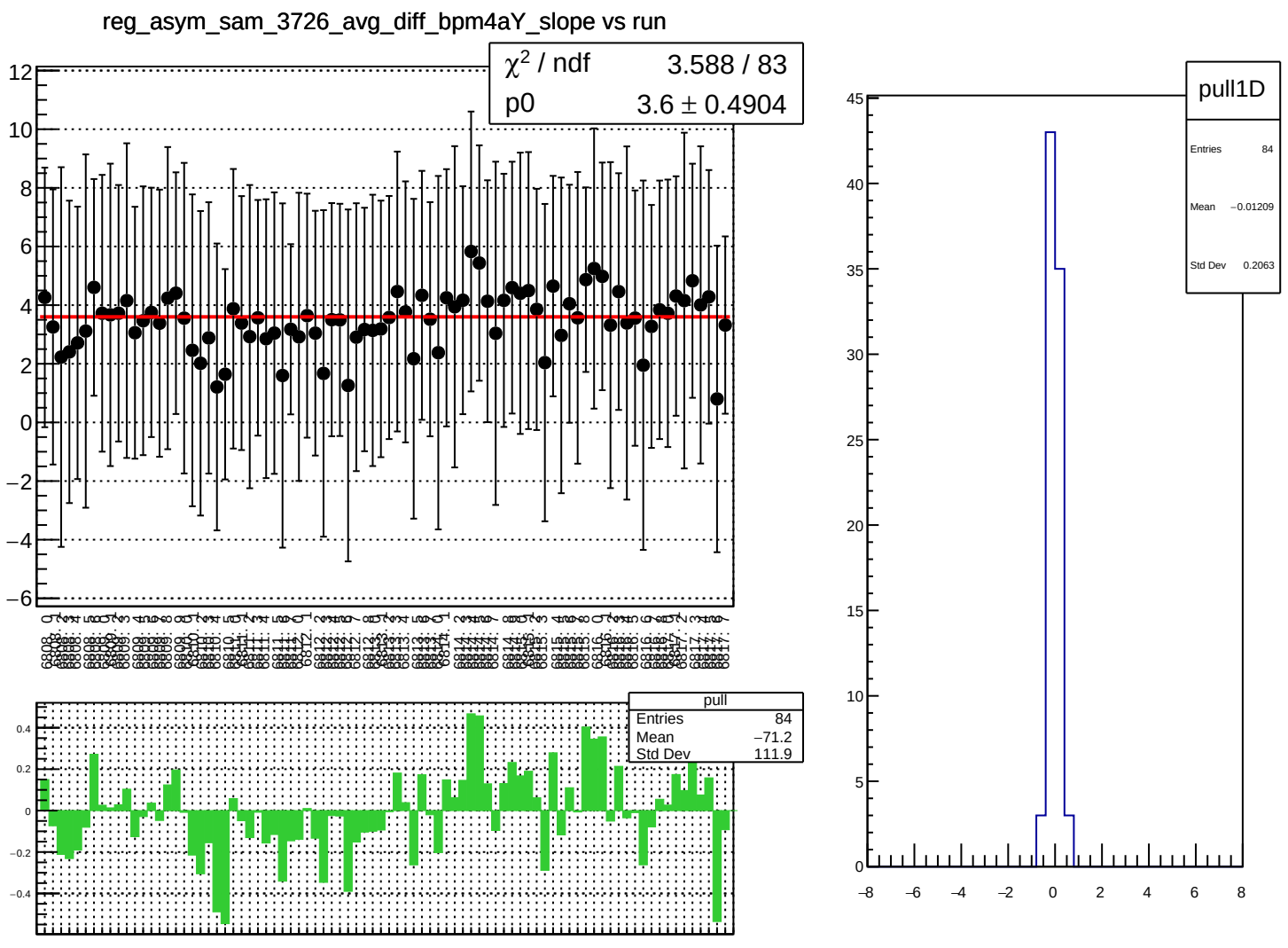

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.71 / 83
p0 4.786 ± 0.2721
pull
Entries 84
Mean 112.3
Std Dev 56.91

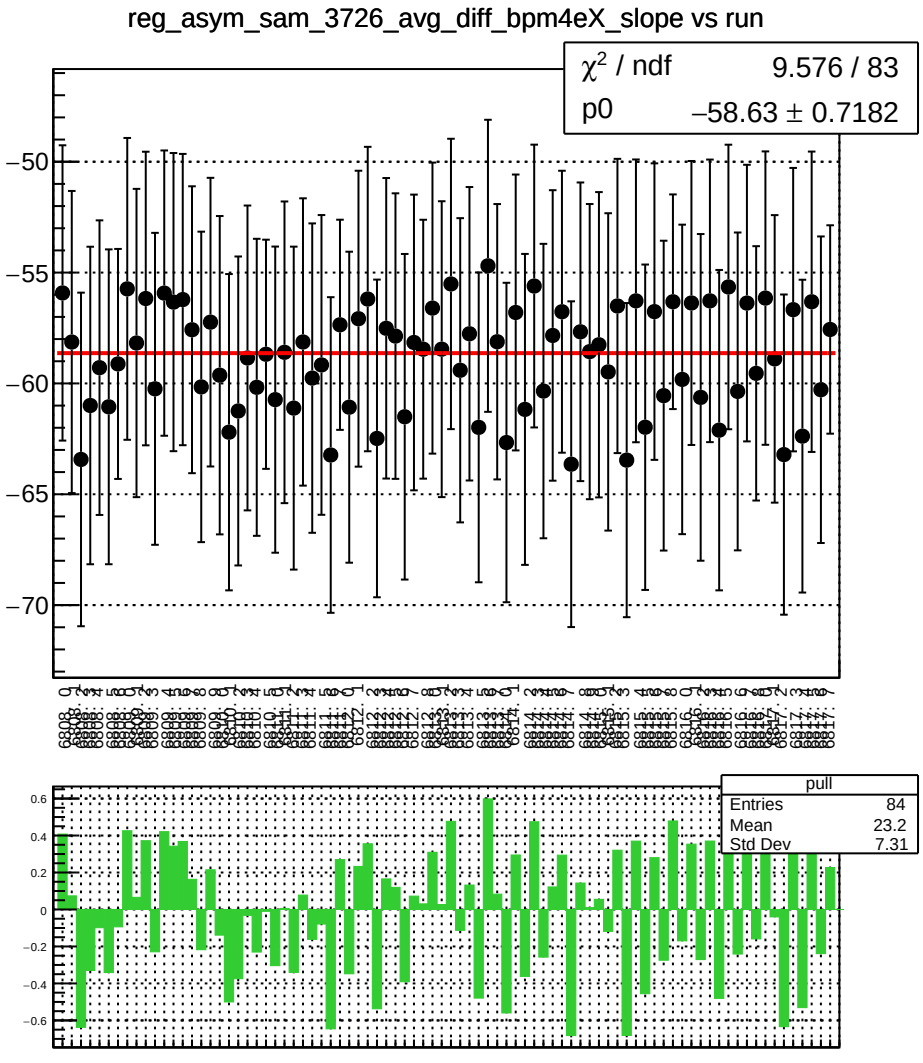

pull1D
Entries 84
Mean −0.01346
Std Dev 0.4323

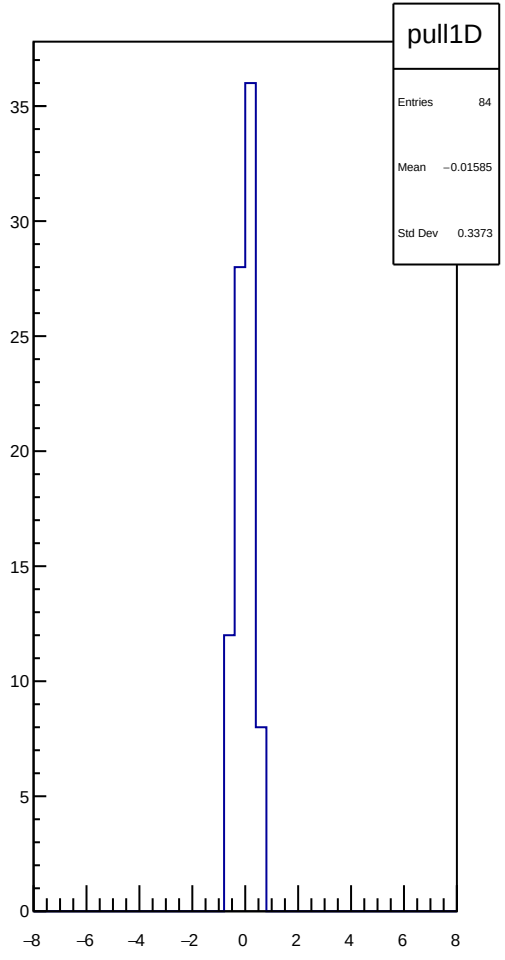

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 6.877 / 83
p0 0.3962 ± 0.01432
0.6
0.5
0.4
0.3
0.2
pull
Entries 84
Mean −4632
Std Dev 4670
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 84
Mean 0.0003477
Std Dev 0.2861
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

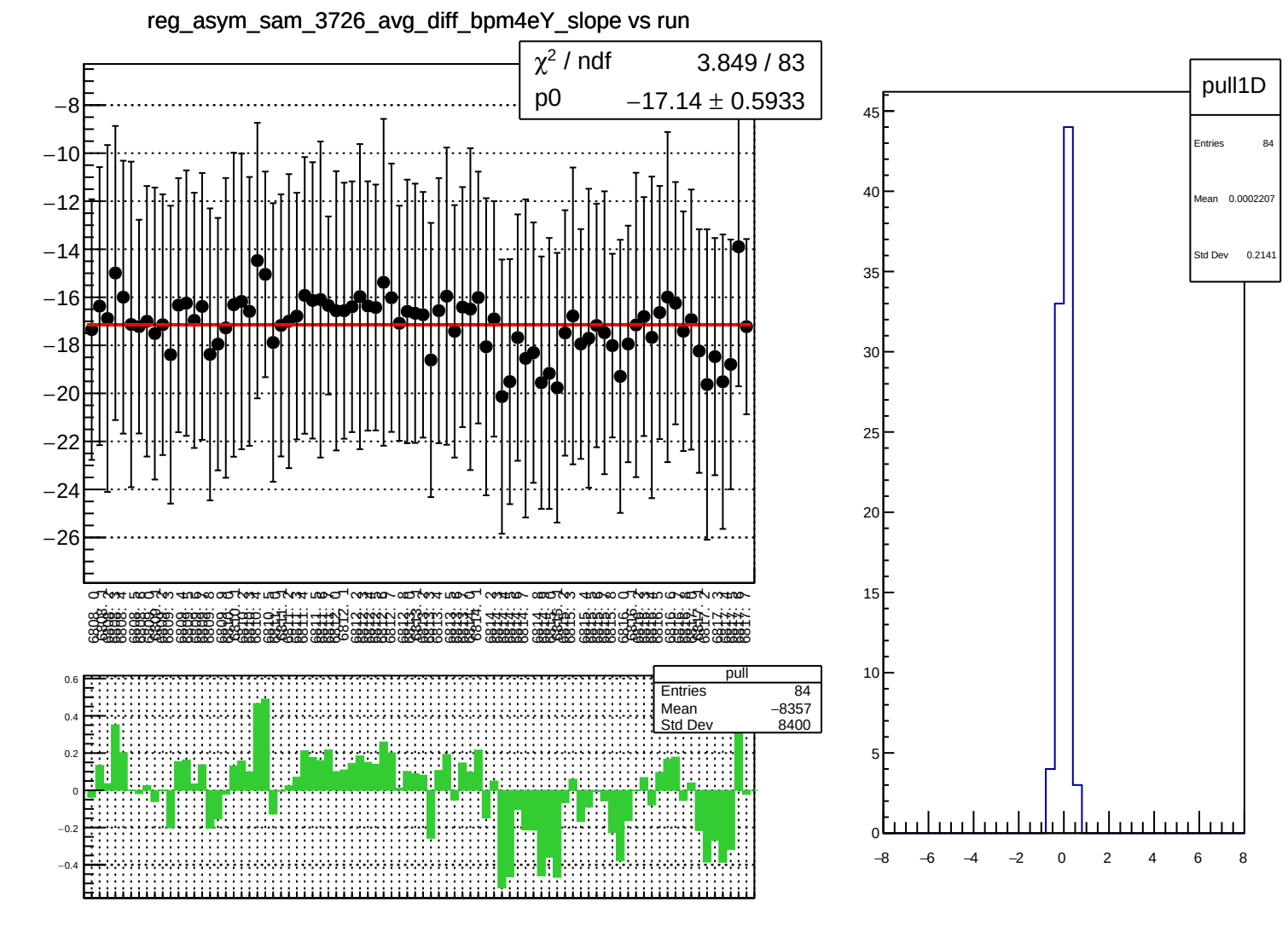

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.365 / 83
p0 −11.68 ± 0.7681
pull
Entries 84
Mean 141.9
Std Dev 67.02

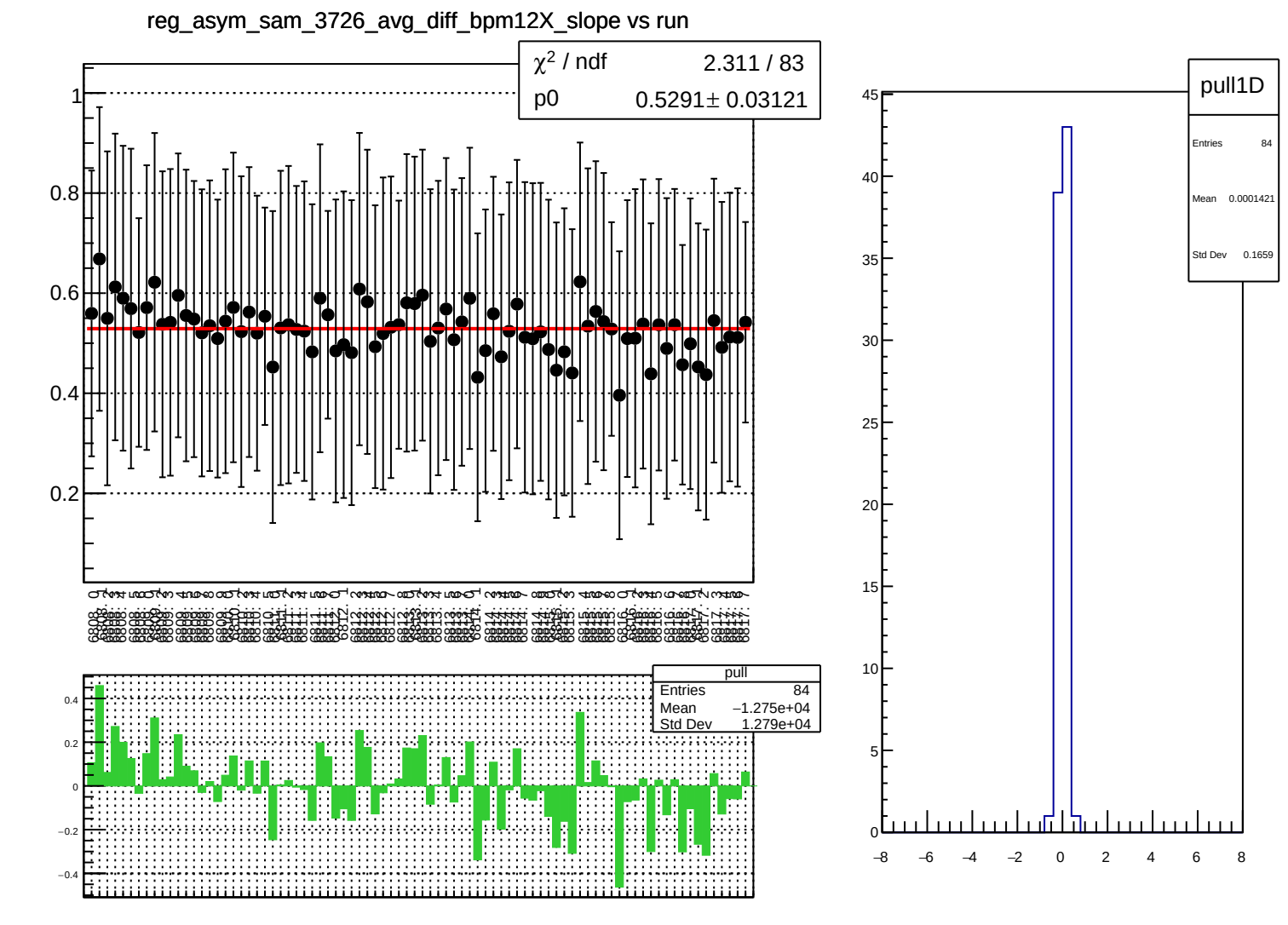

pull1D
Entries 84
Mean 0.004993
Std Dev 0.2279

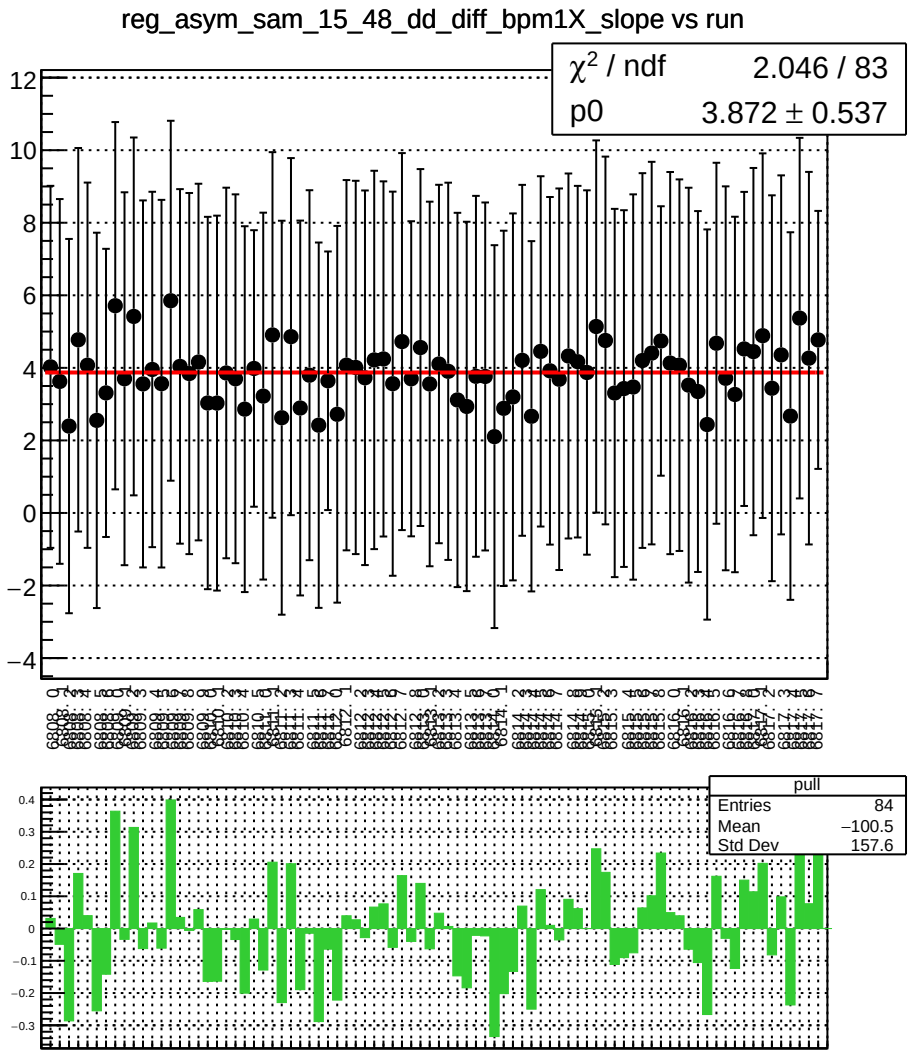

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.588 / 83
p0 3.6 ± 0.4904
pull
Entries 84
Mean −71.2
Std Dev 111.9
pull1D
Entries 84
Mean −0.01209
Std Dev 0.2063

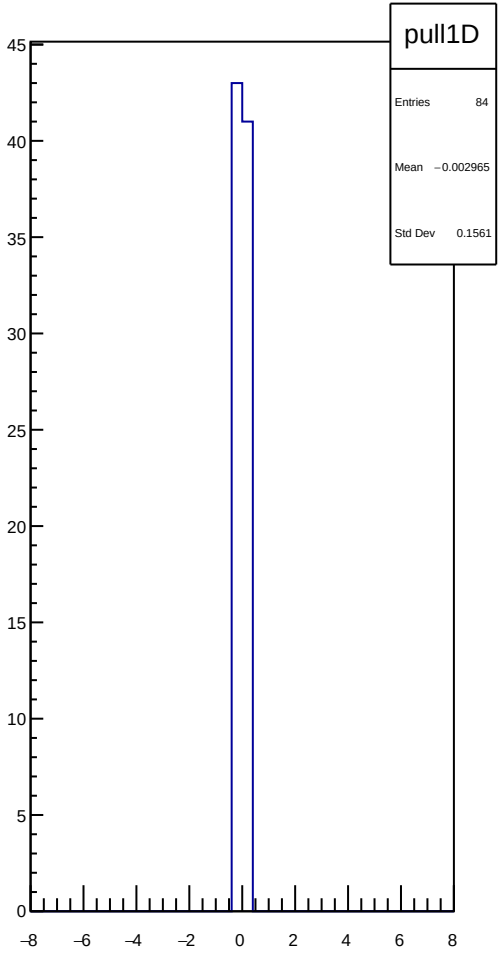

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.576 / 83
p0 −58.63 ± 0.7182
−50
−55
−60
−65
−70
pull
Entries 84
Mean 23.2
Std Dev 7.31
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

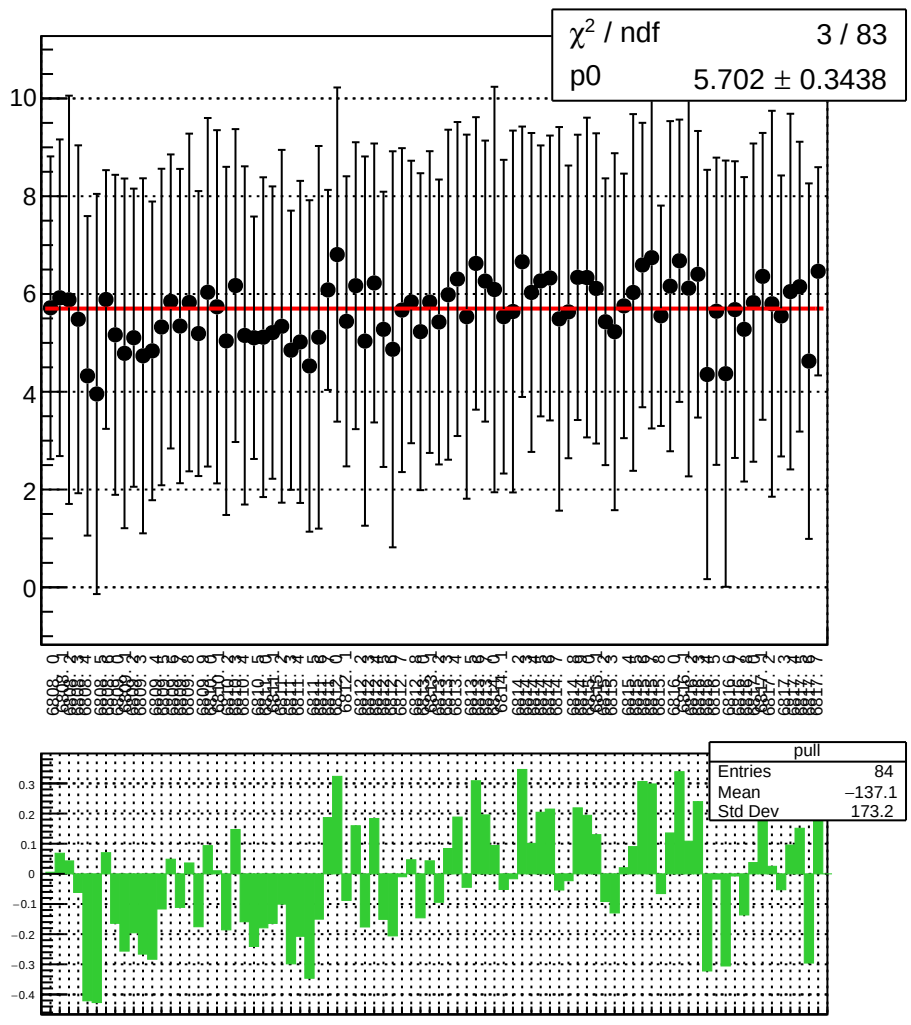

pull1D
Entries 84
Mean −0.01585
Std Dev 0.3373
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

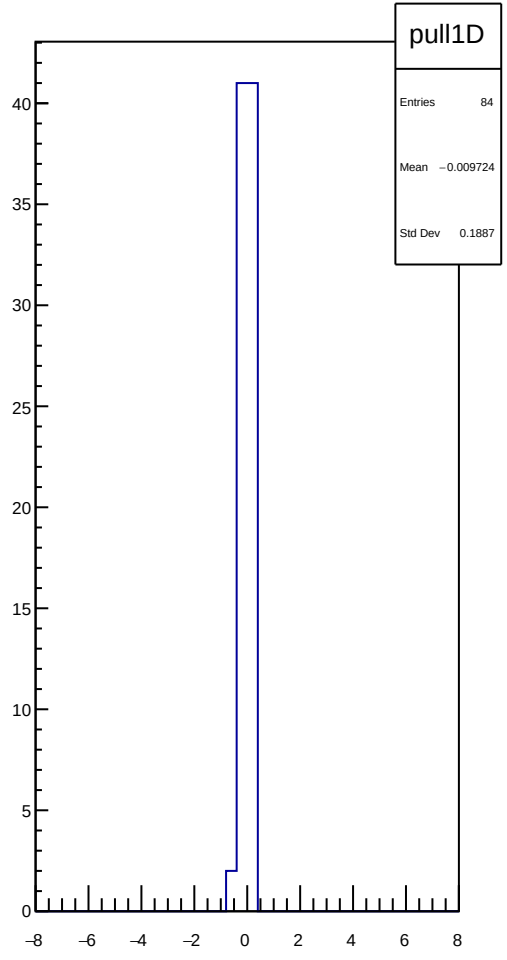

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.849 / 83
p0 −17.14 ± 0.5933
pull
Entries 84
Mean −8357
Std Dev 8400
pull1D
Entries 84
Mean 0.0002207
Std Dev 0.2141

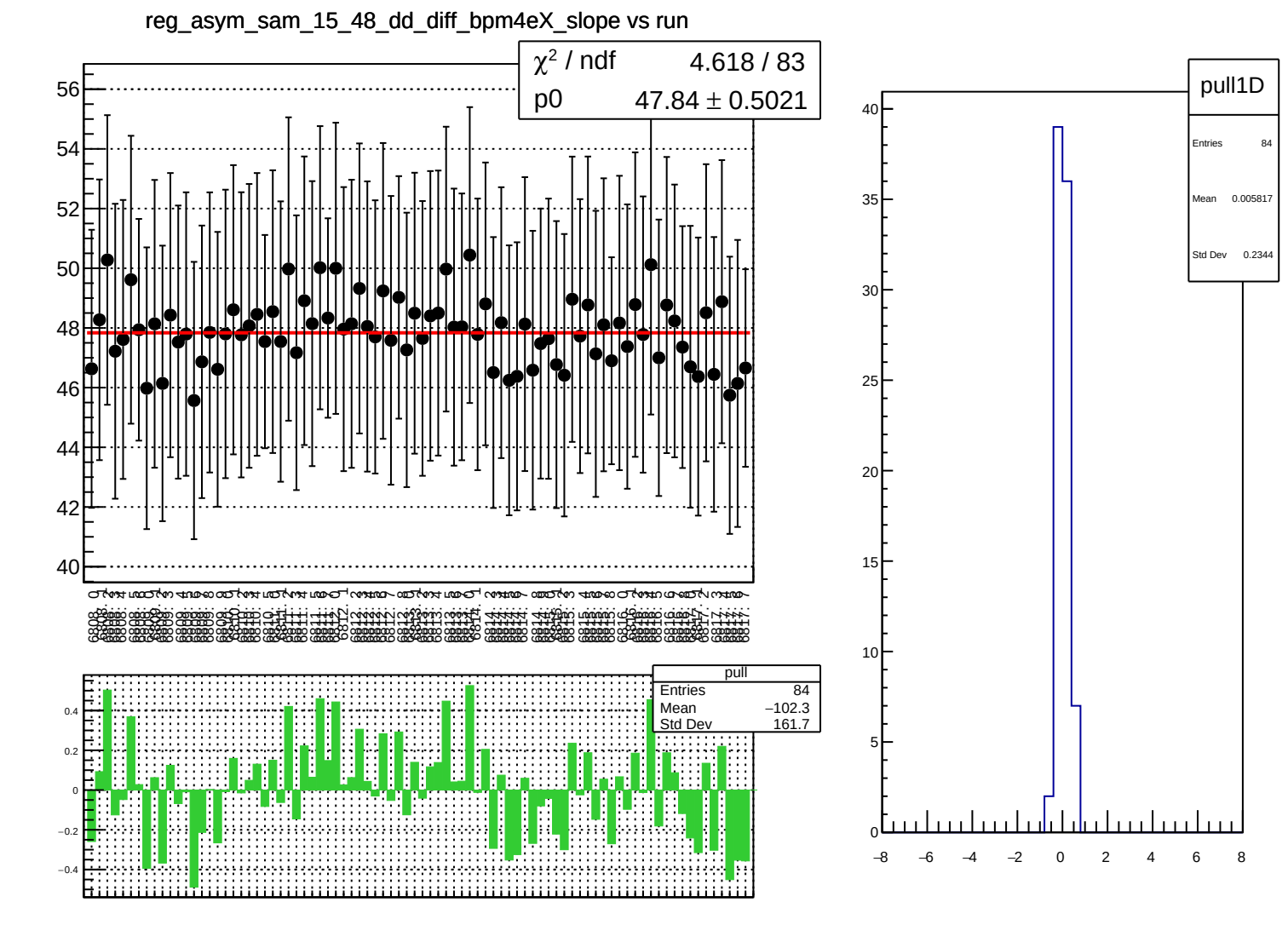

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.311 / 83
p0 0.5291± 0.03121
pull
Entries 84
Mean −1.275e+04
Std Dev 1.279e+04
pull1D
Entries 84
Mean 0.0001421
Std Dev 0.1659

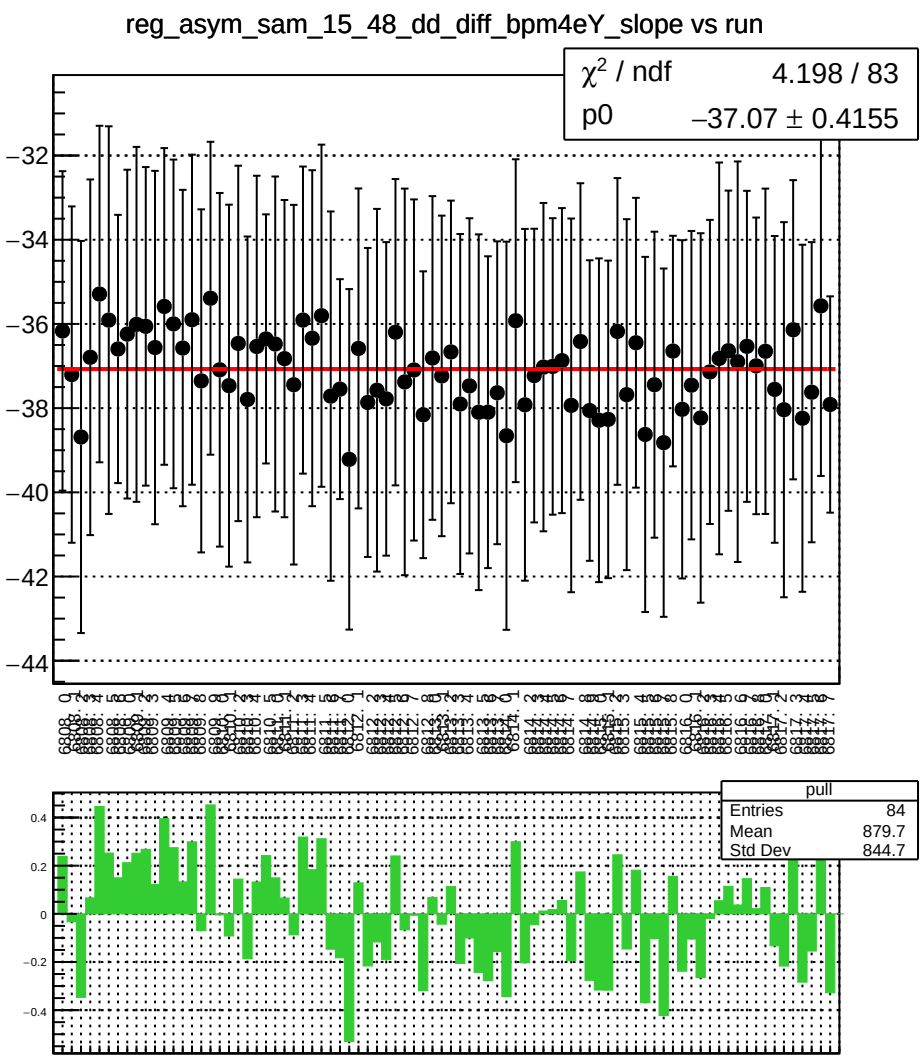

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.046 / 83
p0 3.872 ± 0.537
pull
Entries 84
Mean −100.5
Std Dev 157.6

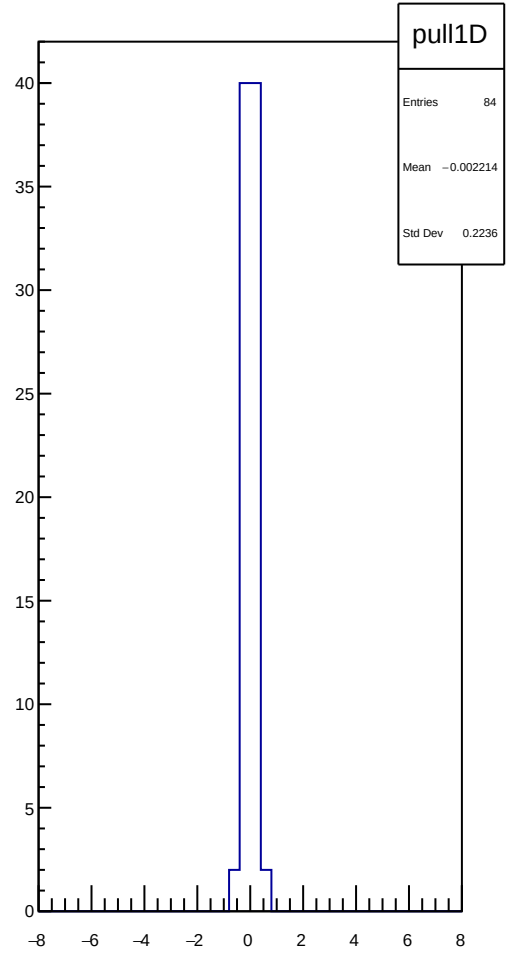

pull1D
Entries 84
Mean −0.002965
Std Dev 0.1561

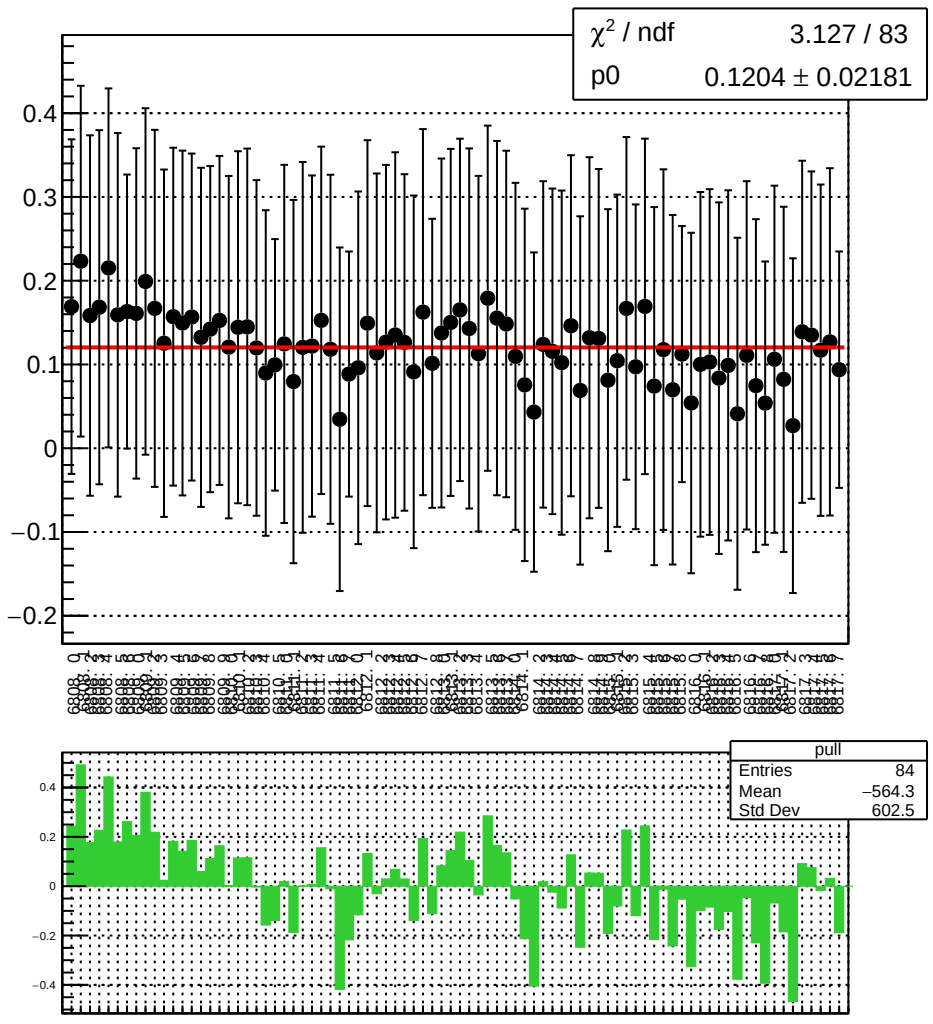

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3 / 83
p0 5.702 ± 0.3438
pull
Entries 84
Mean −137.1
Std Dev 173.2

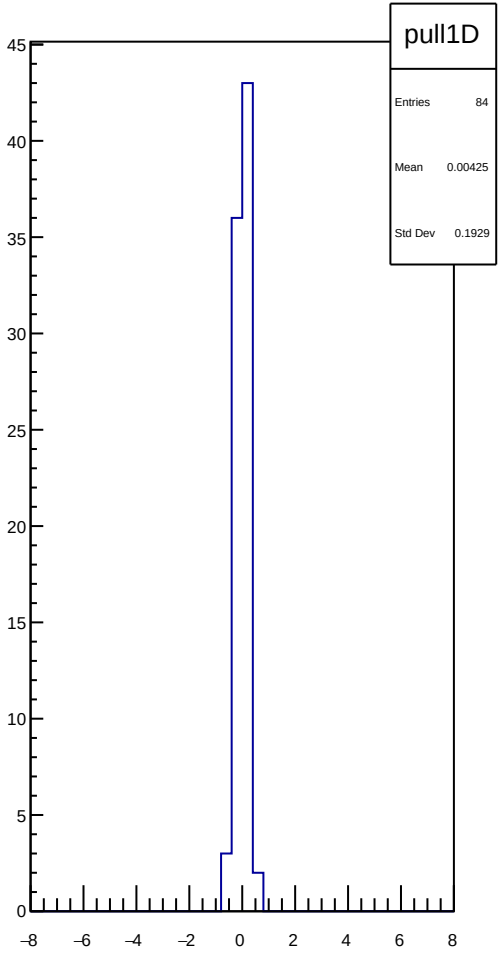

pull1D
Entries 84
Mean −0.009724
Std Dev 0.1887

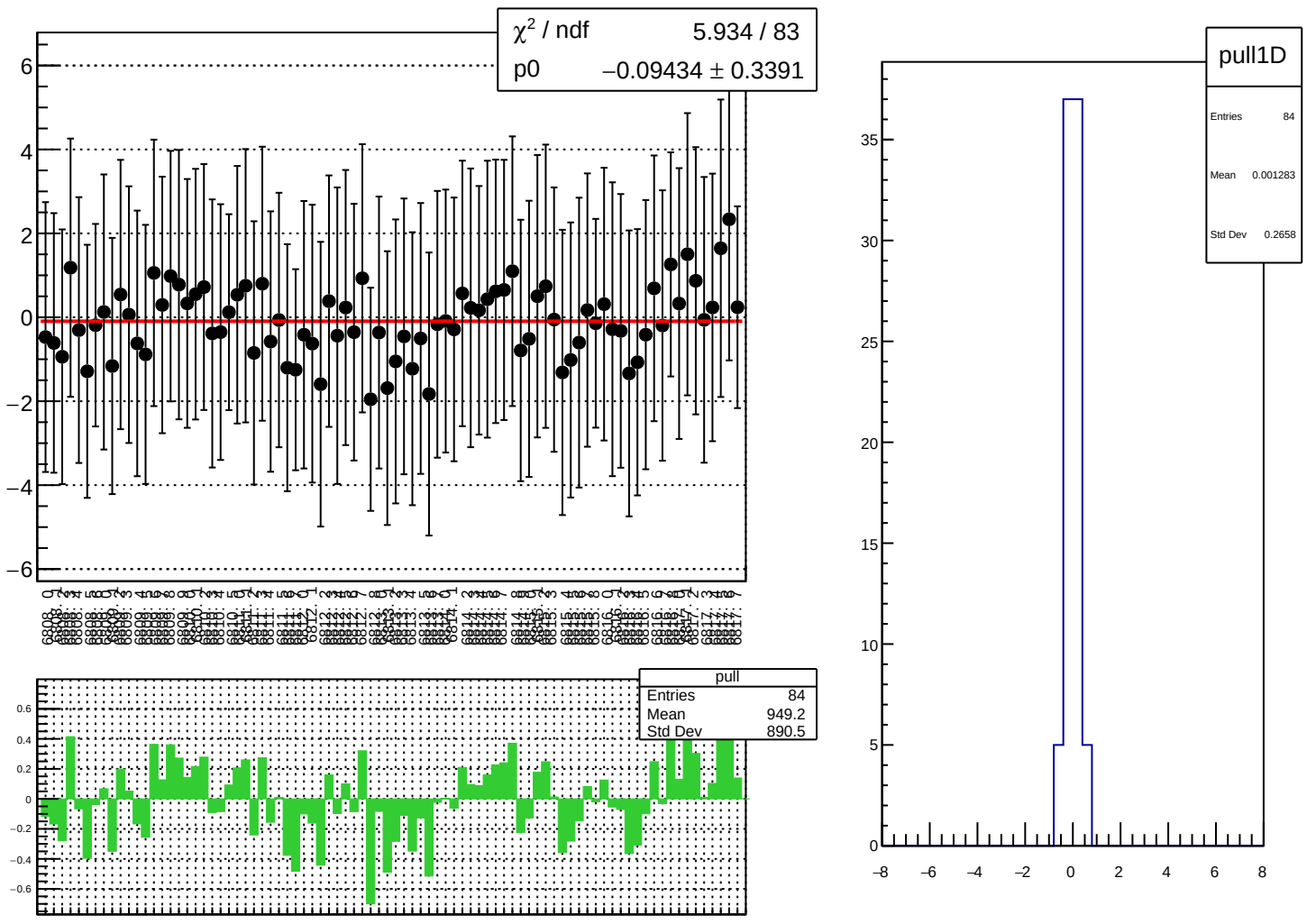

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.618 / 83
p0 47.84 ± 0.5021
pull
Entries 84
Mean −102.3
Std Dev 161.7
pull1D
Entries 84
Mean 0.005817
Std Dev 0.2344

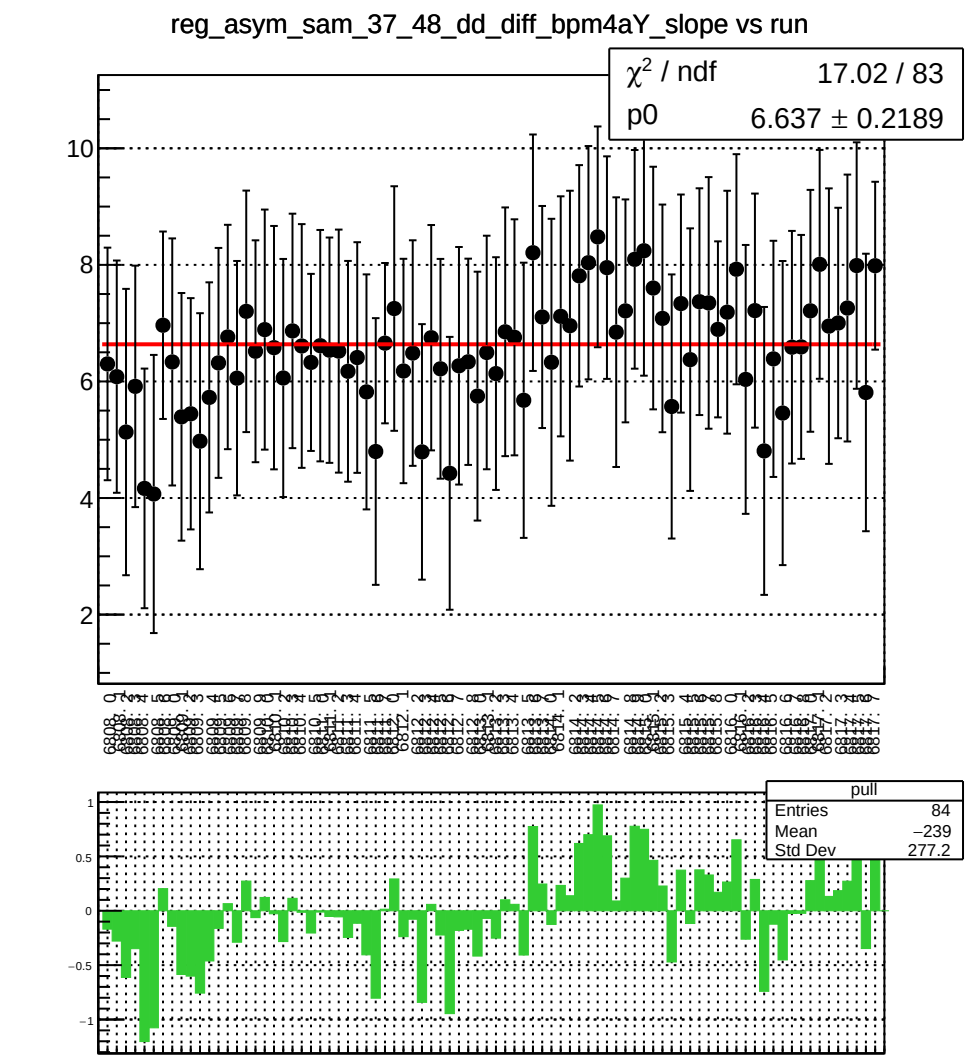

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.198 / 83
p0 −37.07 ± 0.4155
pull
Entries 84
Mean 879.7
Std Dev 844.7

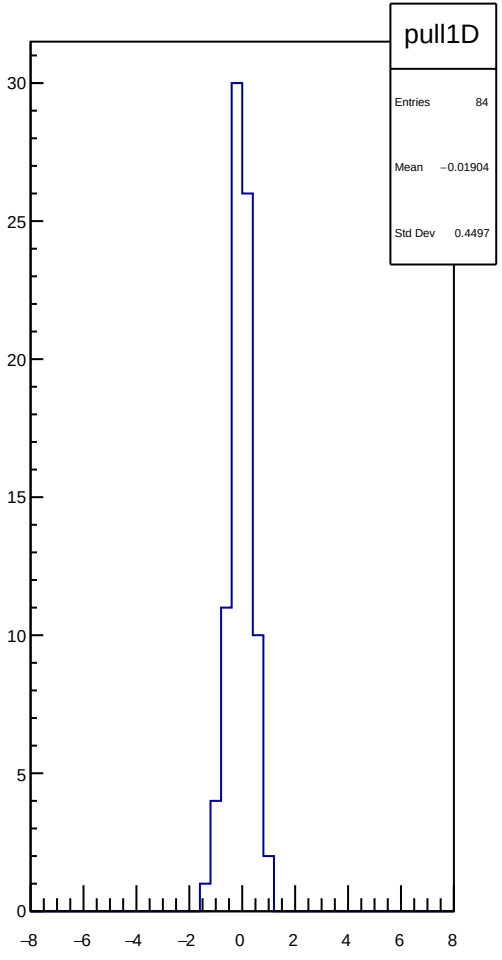

pull1D
Entries 84
Mean −0.002214
Std Dev 0.2236

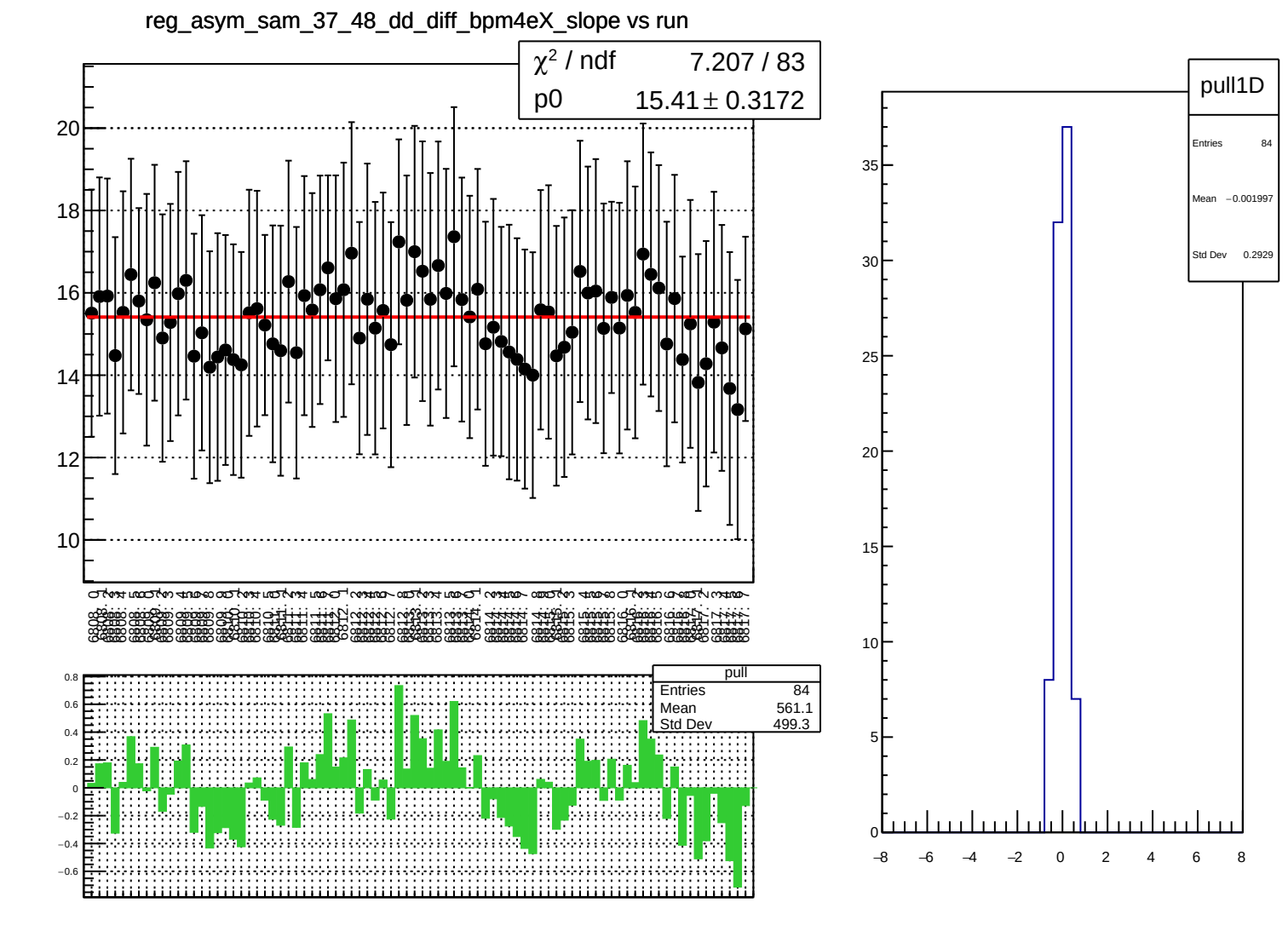

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.127 / 83
p0 0.1204 ± 0.02181
pull
Entries 84
Mean −564.3
Std Dev 602.5

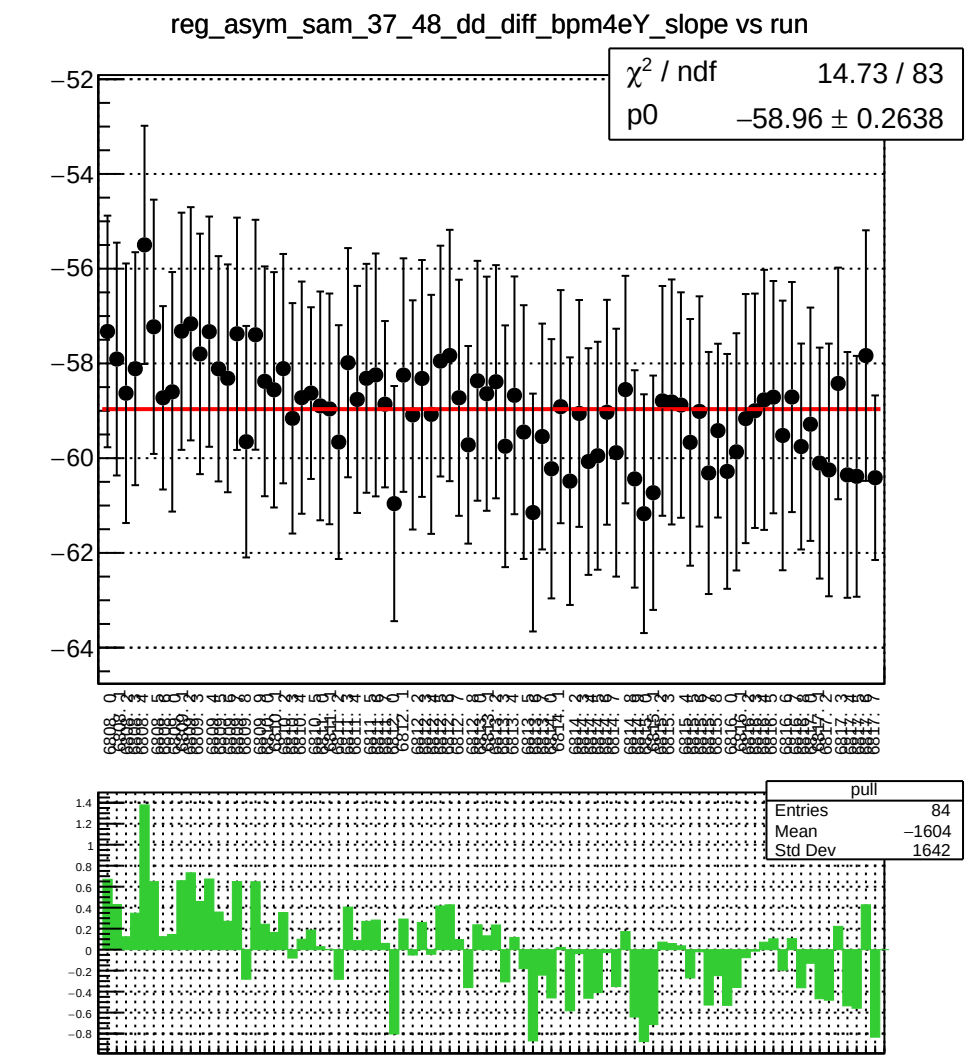

pull1D
Entries 84
Mean 0.00425
Std Dev 0.1929

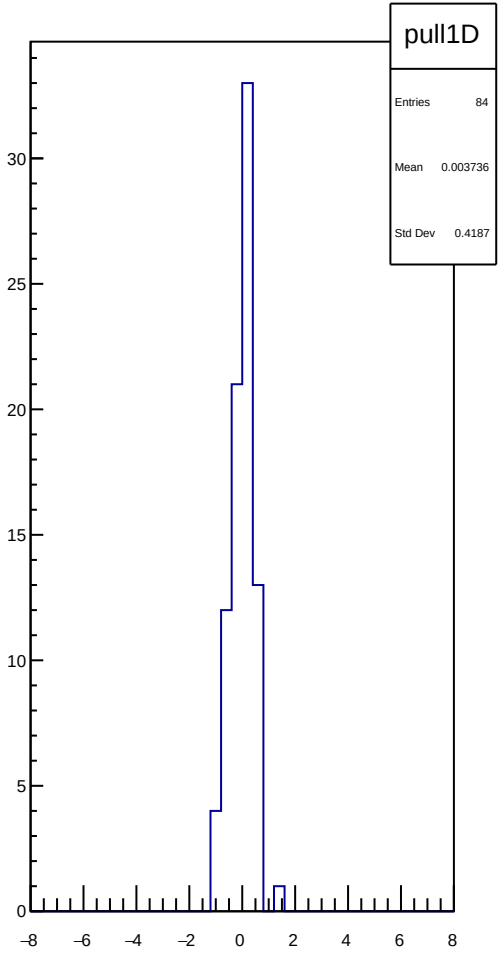

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.934 / 83
p0 −0.09434 ± 0.3391
pull
Entries 84
Mean 949.2
Std Dev 890.5
pull1D
Entries 84
Mean 0.001283
Std Dev 0.2658

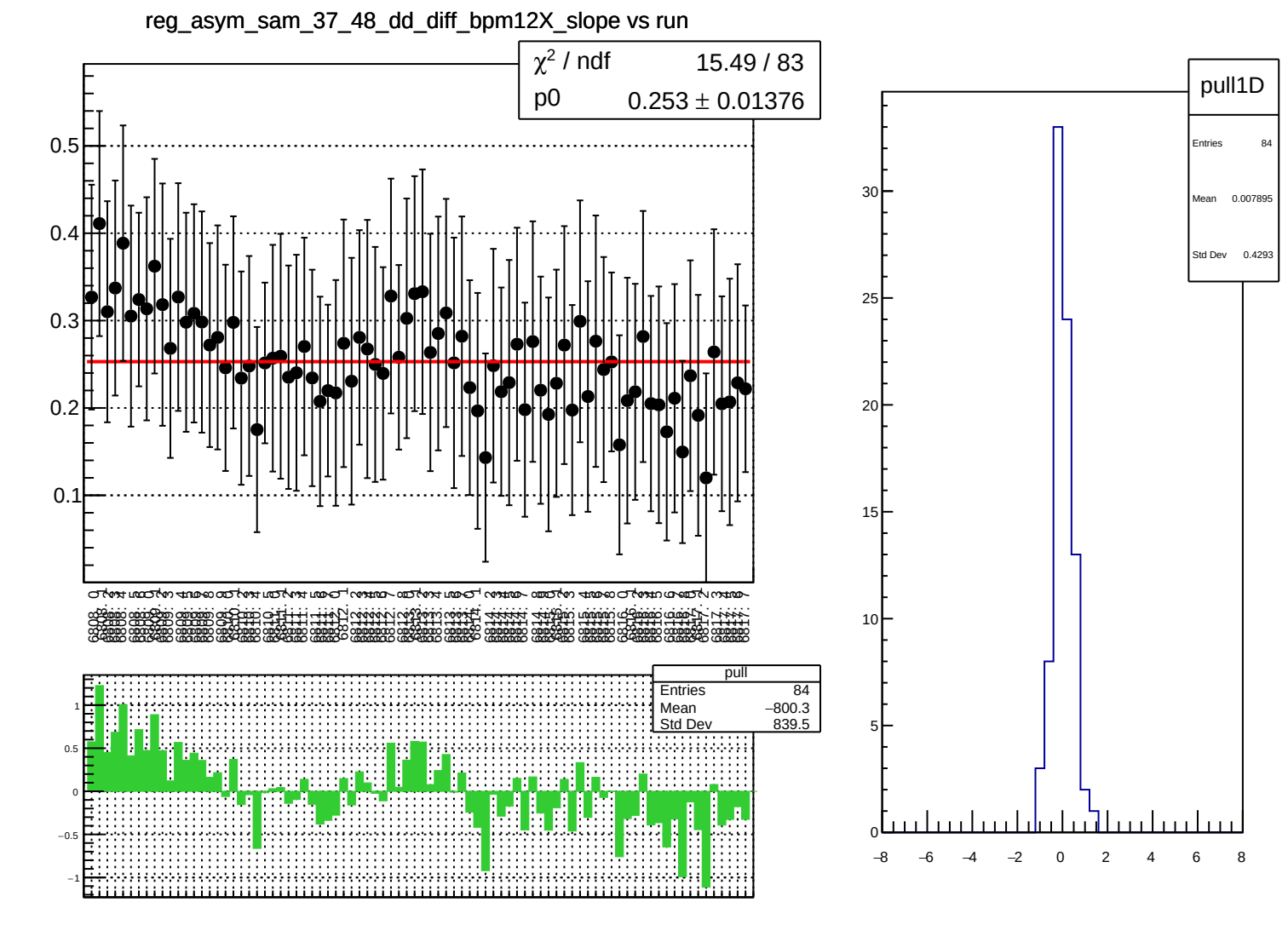

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.02 / 83
p0 6.637 ± 0.2189
pull
Entries 84
Mean −239
Std Dev 277.2

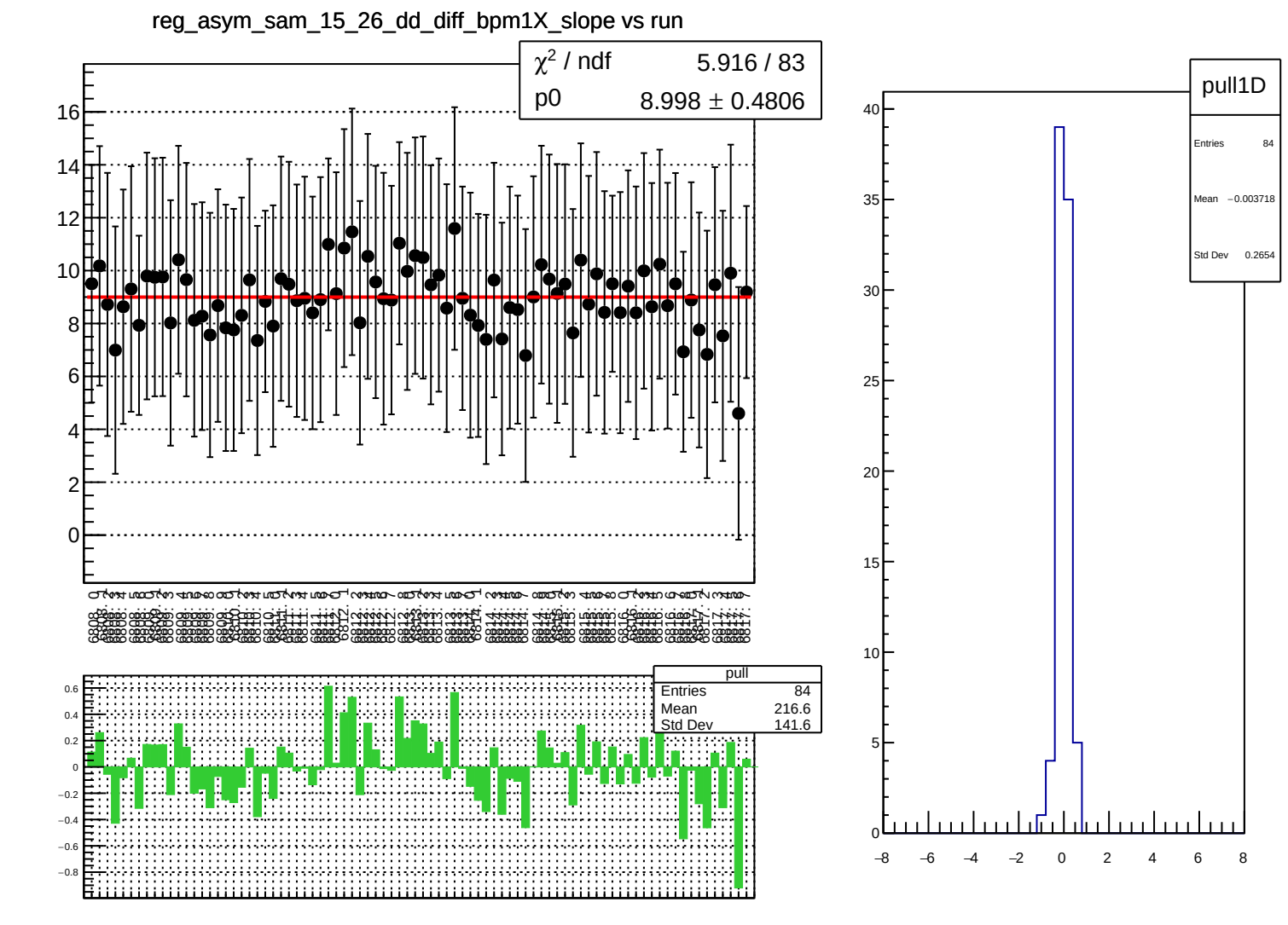

pull1D
Entries 84
Mean −0.01904
Std Dev 0.4497

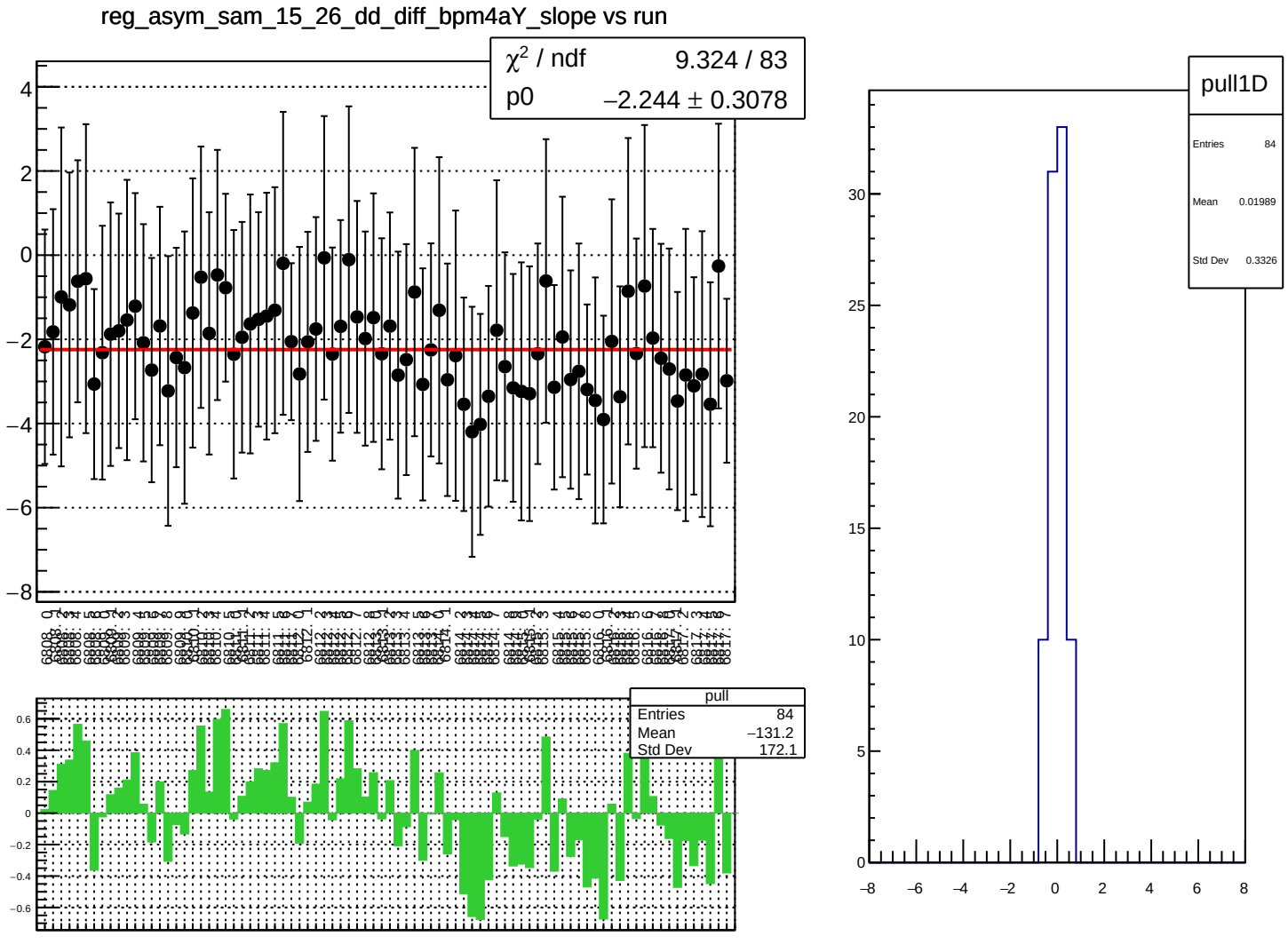

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.207 / 83
p0 15.41 ± 0.3172
pull
Entries 84
Mean 561.1
Std Dev 499.3
pull1D
Entries 84
Mean −0.001997
Std Dev 0.2929

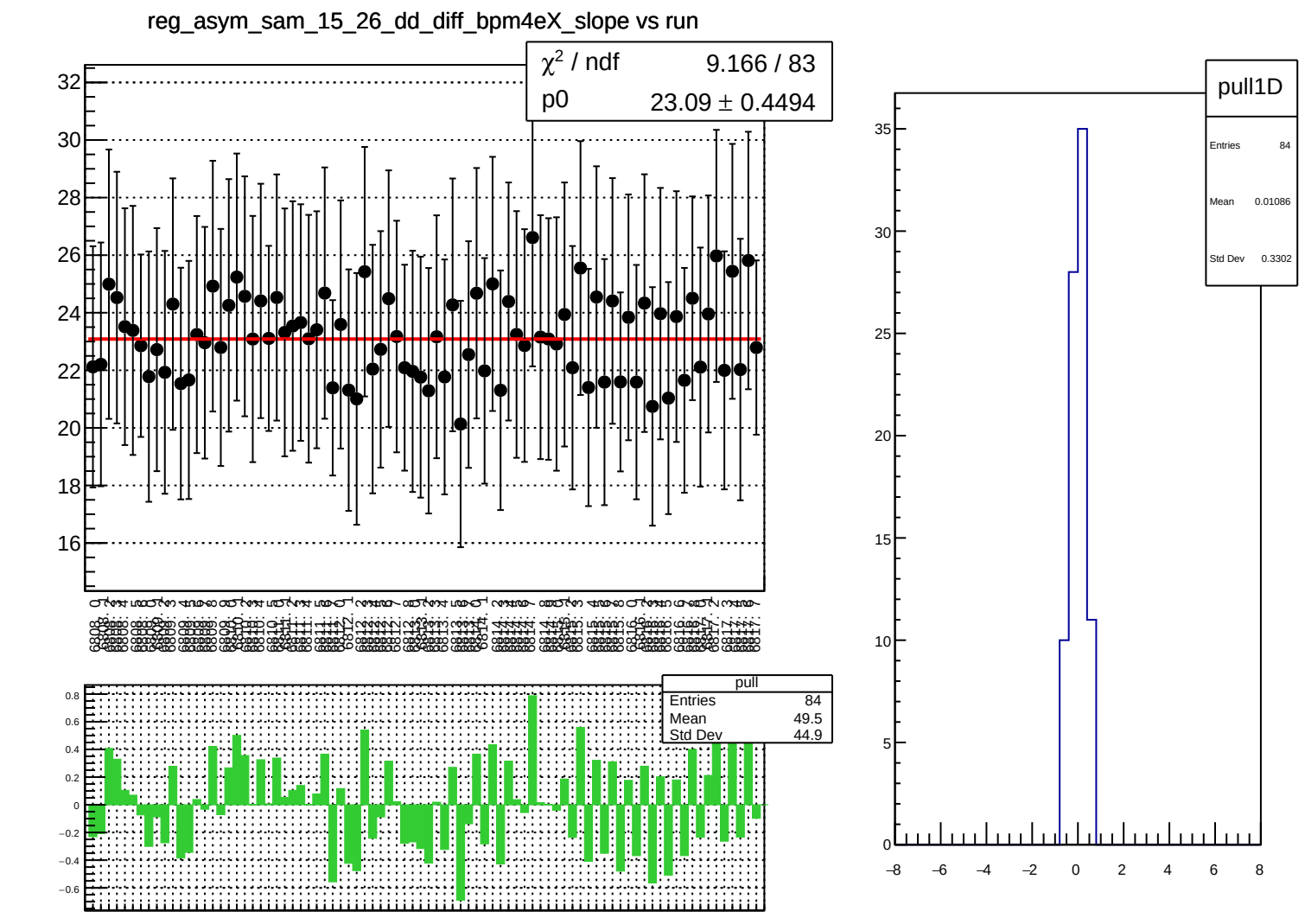

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.73 / 83
p0 −58.96 ± 0.2638
pull
Entries 84
Mean −1604
Std Dev 1642

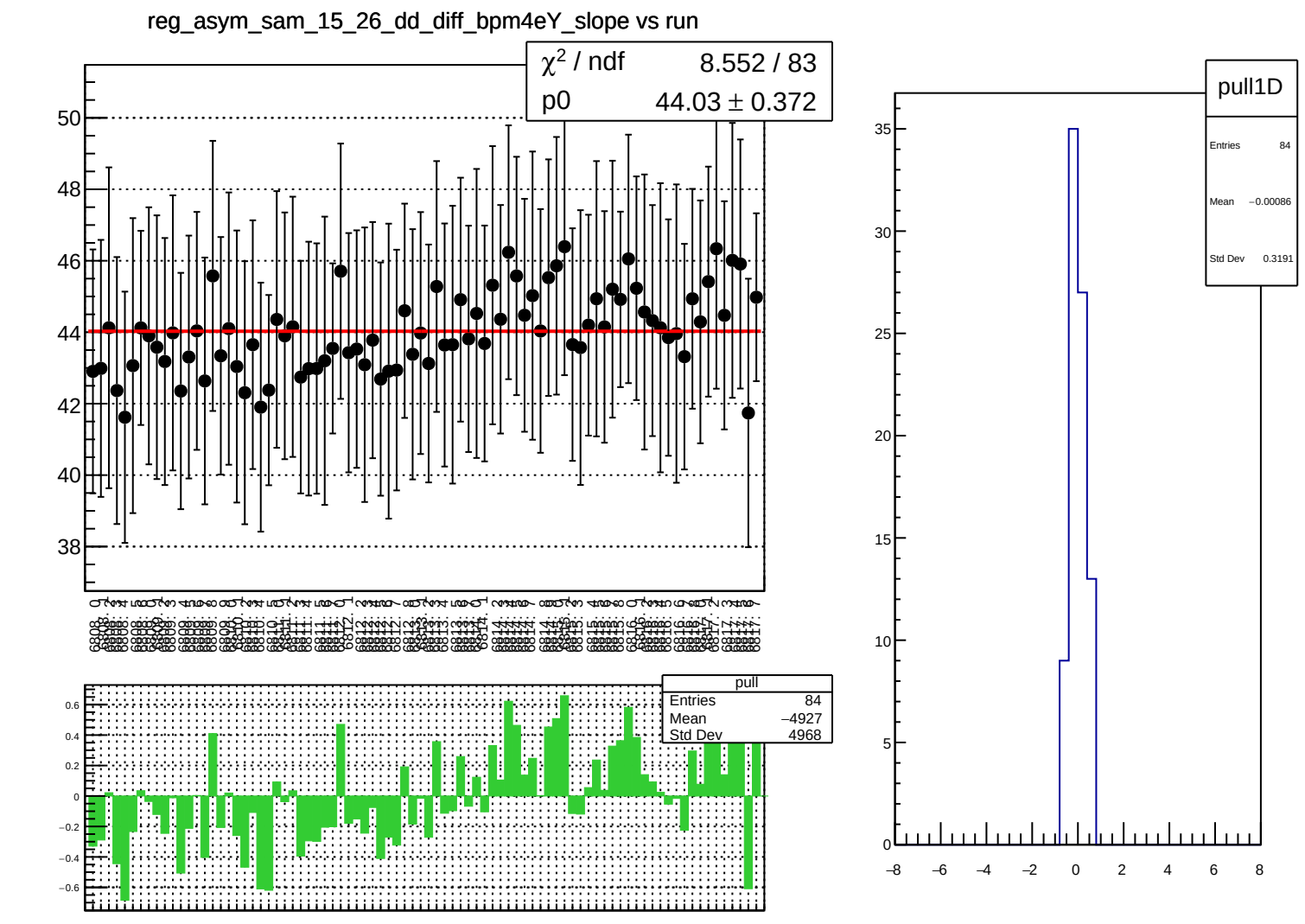

pull1D
Entries 84
Mean 0.003736
Std Dev 0.4187

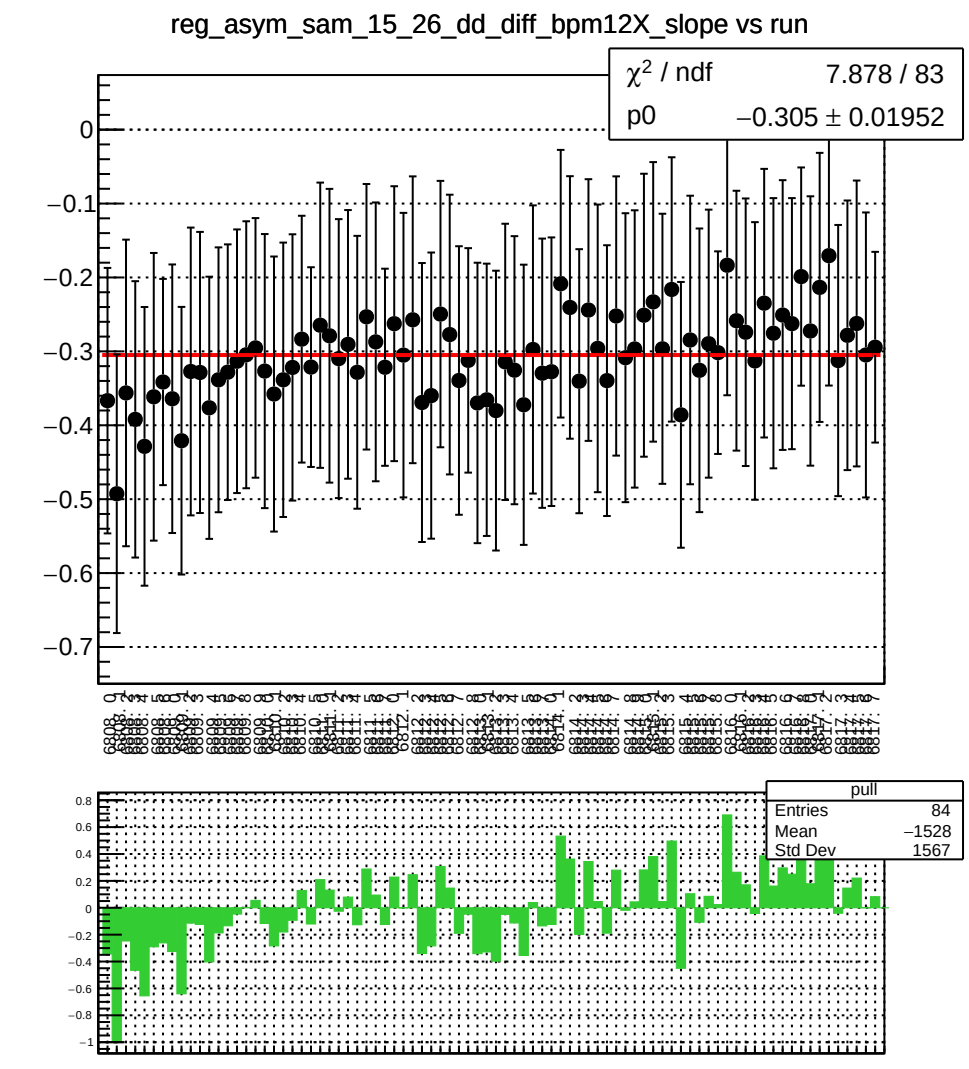

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.49 / 83
p0 0.253 ± 0.01376
pull
Entries 84
Mean −800.3
Std Dev 839.5
pull1D
Entries 84
Mean 0.007895
Std Dev 0.4293

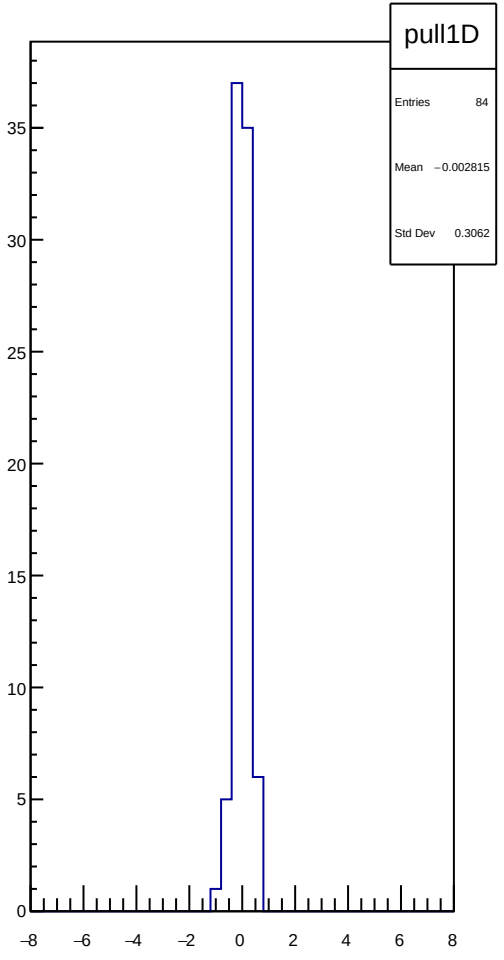

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.916 / 83
p0 8.998 ± 0.4806
pull
Entries 84
Mean 216.6
Std Dev 141.6
pull1D
Entries 84
Mean −0.003718
Std Dev 0.2654

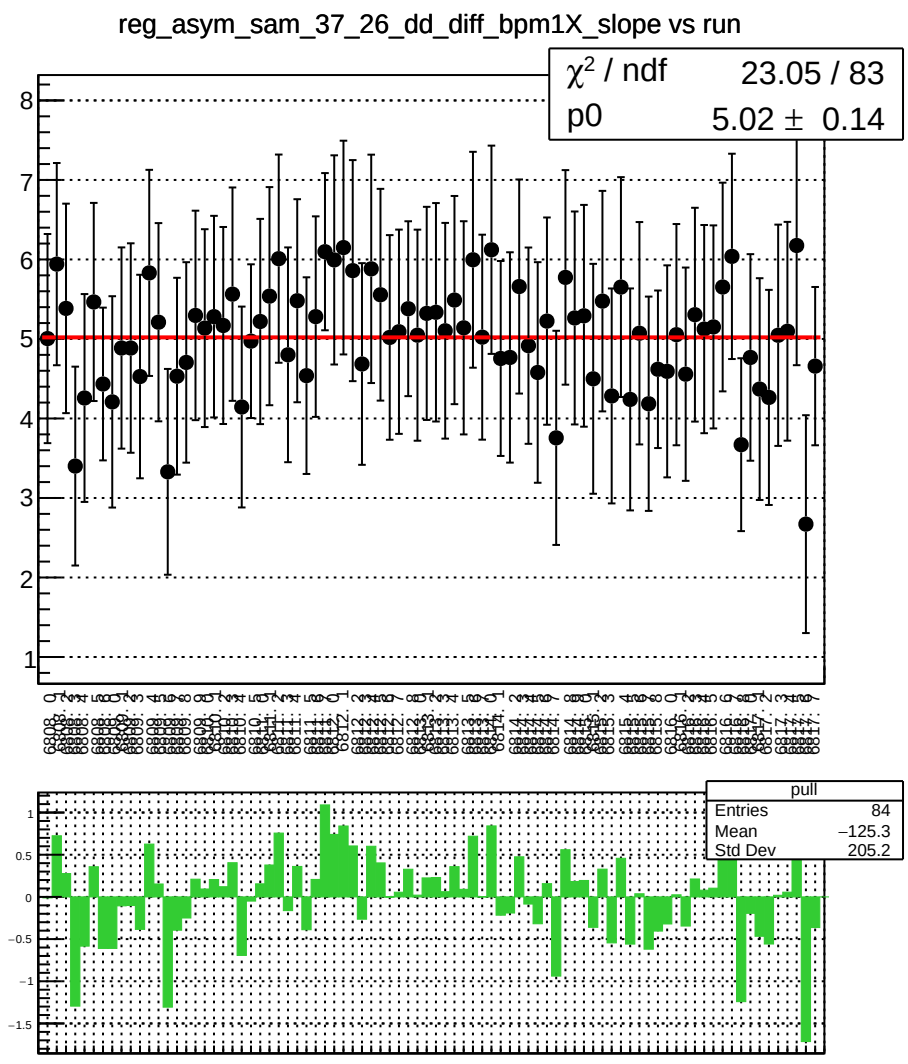

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.324 / 83
p0 −2.244 ± 0.3078
pull
Entries 84
Mean −131.2
Std Dev 172.1
pull1D
Entries 84
Mean 0.01989
Std Dev 0.3326

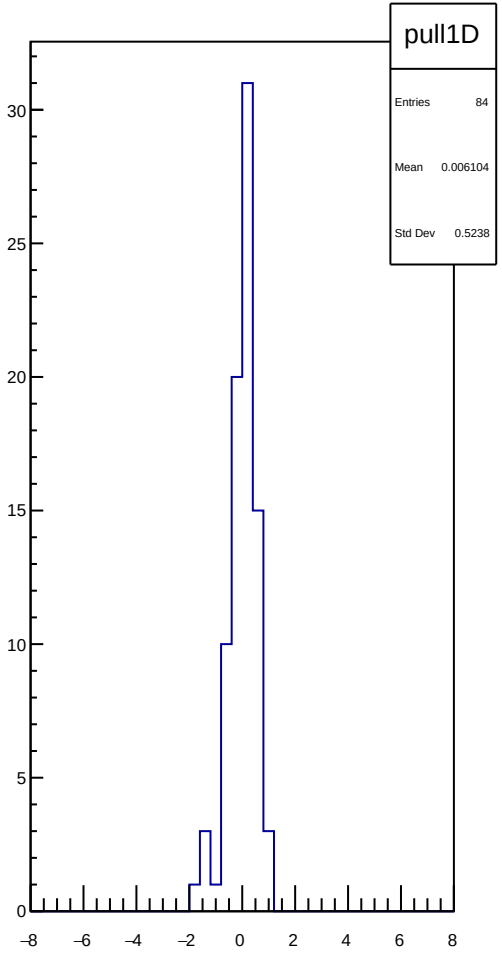

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.166 / 83
p0 23.09 ± 0.4494
pull
Entries 84
Mean 49.5
Std Dev 44.9
pull1D
Entries 84
Mean 0.01086
Std Dev 0.3302

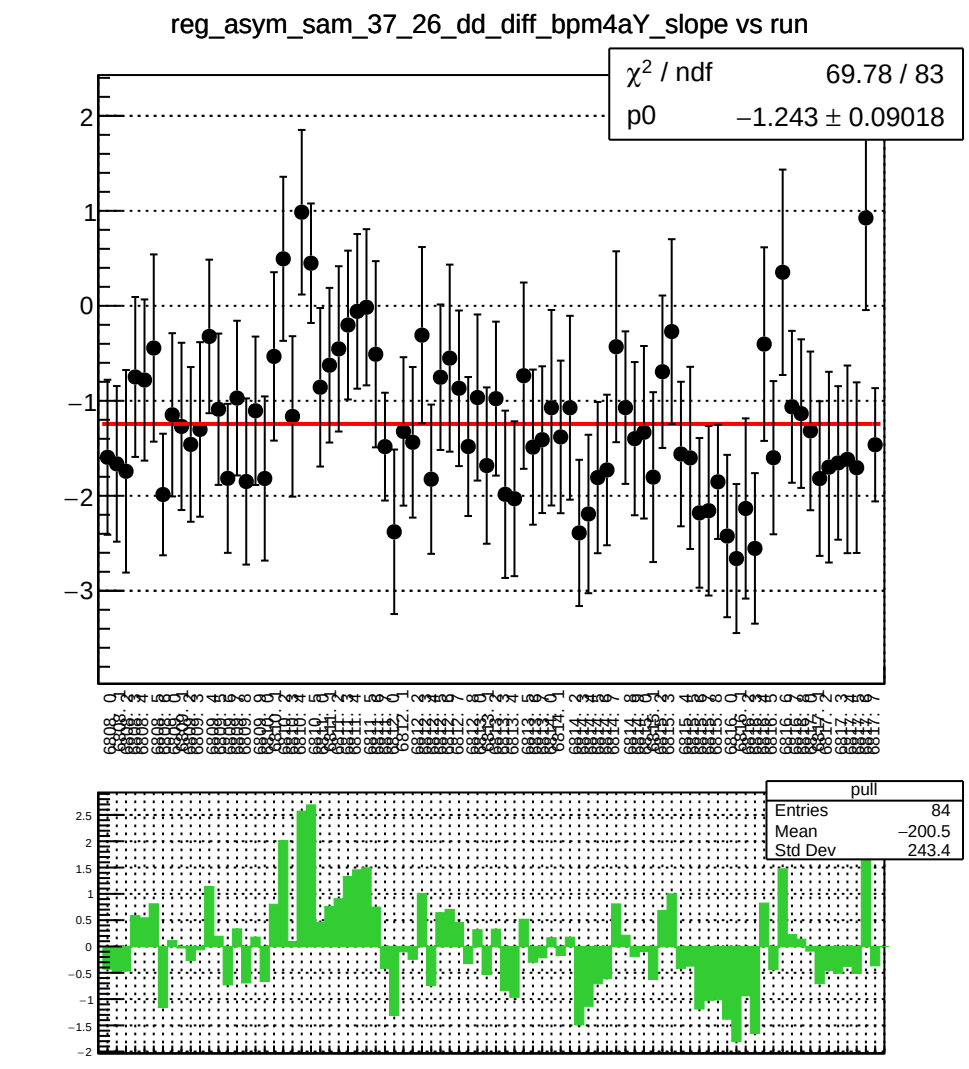

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.552 / 83
p0 44.03 ± 0.372
pull
Entries 84
Mean −4927
Std Dev 4968
pull1D
Entries 84
Mean −0.00086
Std Dev 0.3191

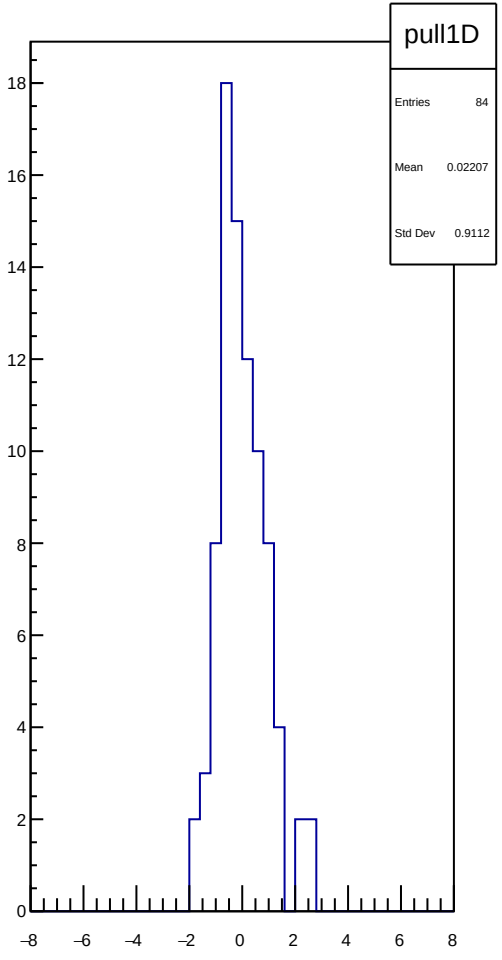

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 7.878 / 83
p0 −0.305 ± 0.01952
pull
Entries 84
Mean −1528
Std Dev 1567

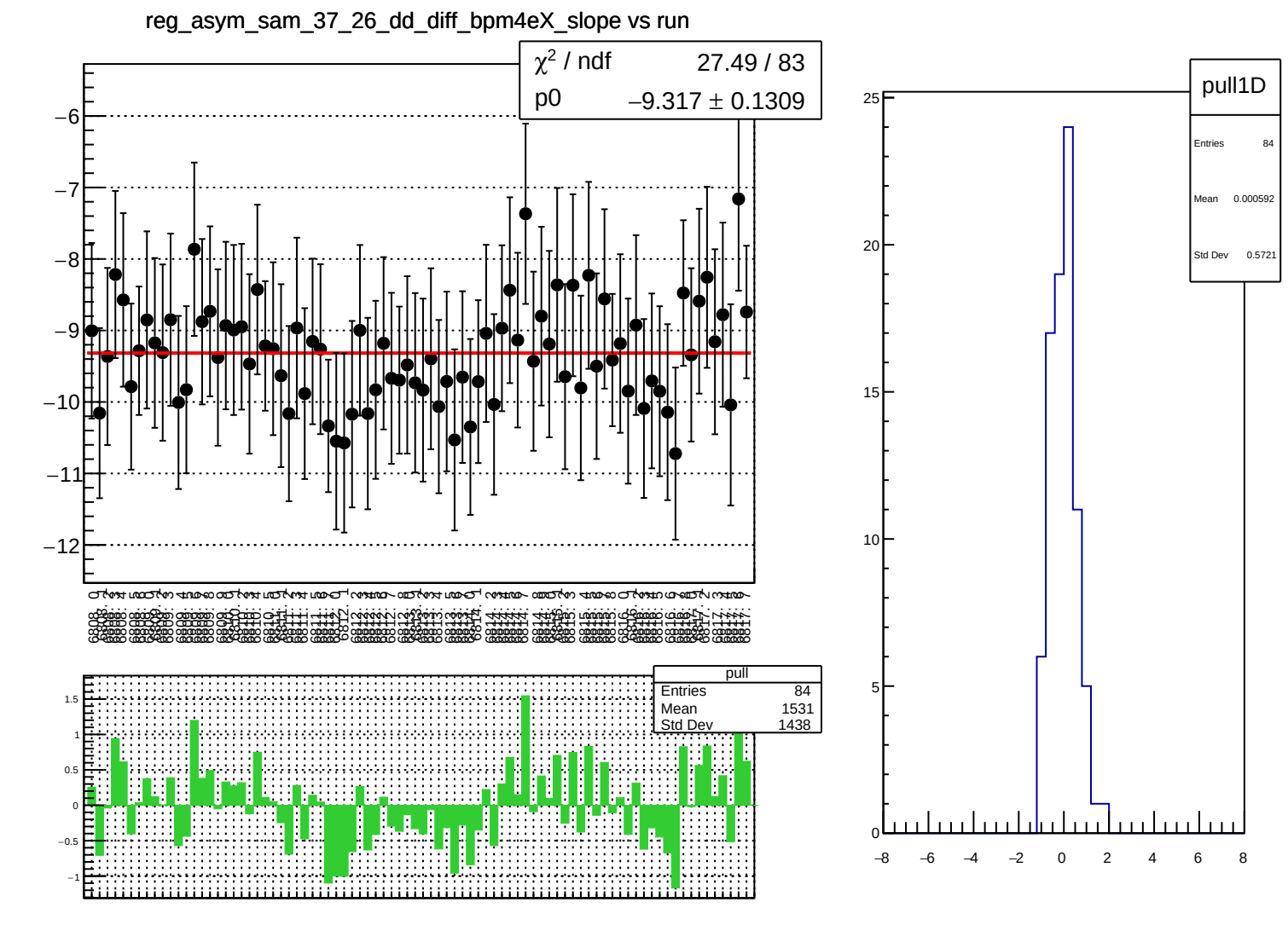

pull1D
Entries 84
Mean −0.002815
Std Dev 0.3062

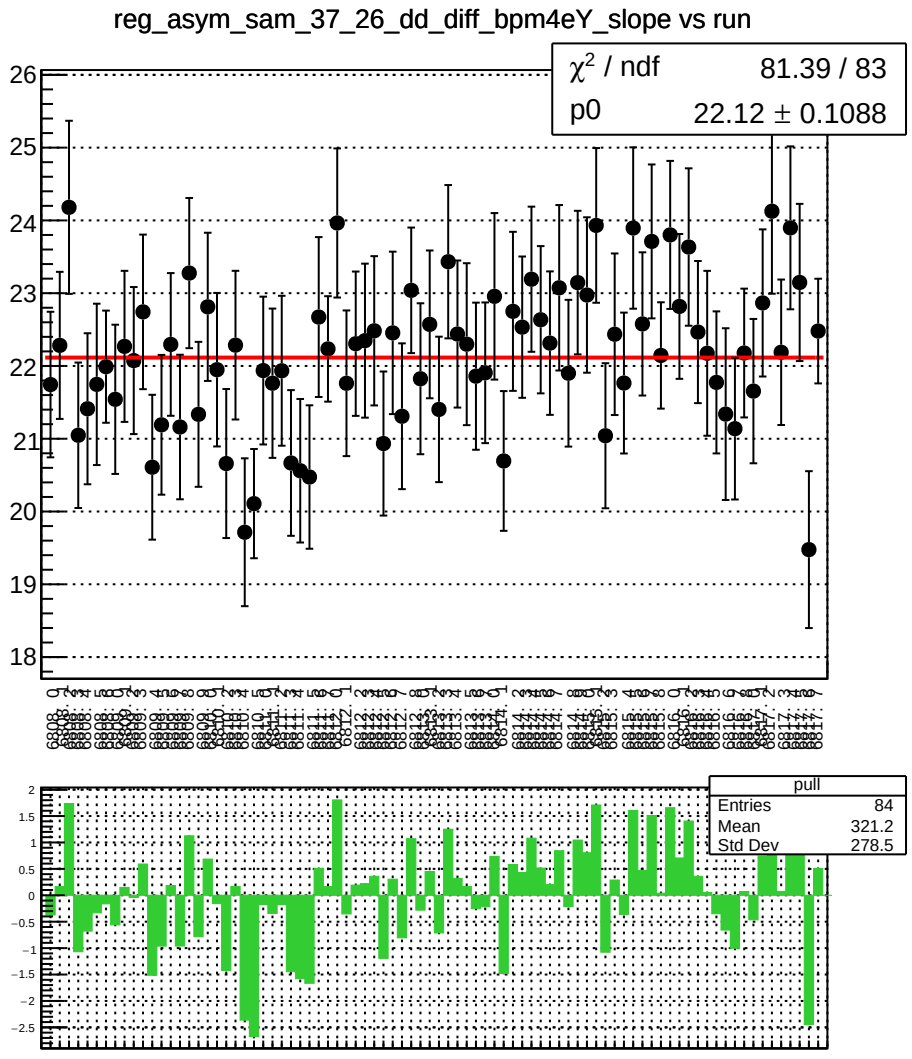

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 23.05 / 83
p0 5.02 ± 0.14
pull
Entries 84
Mean −125.3
Std Dev 205.2

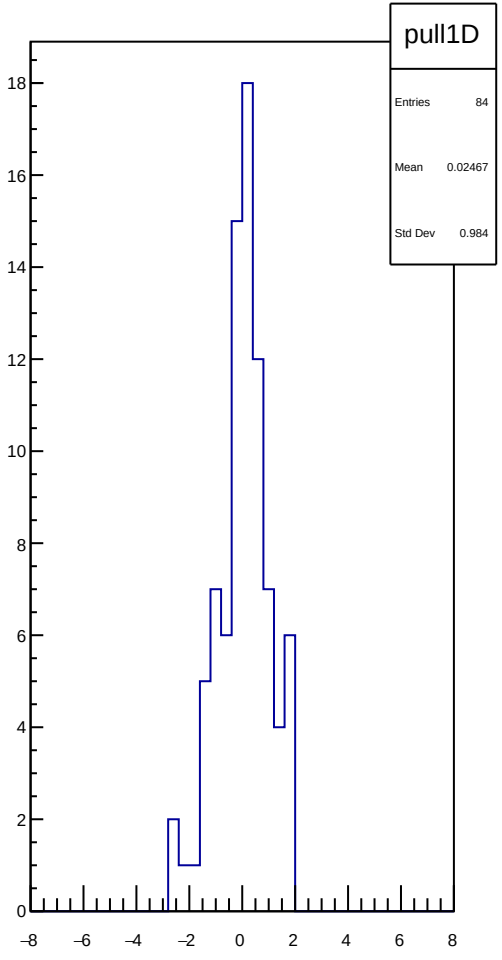

pull1D
Entries 84
Mean 0.006104
Std Dev 0.5238

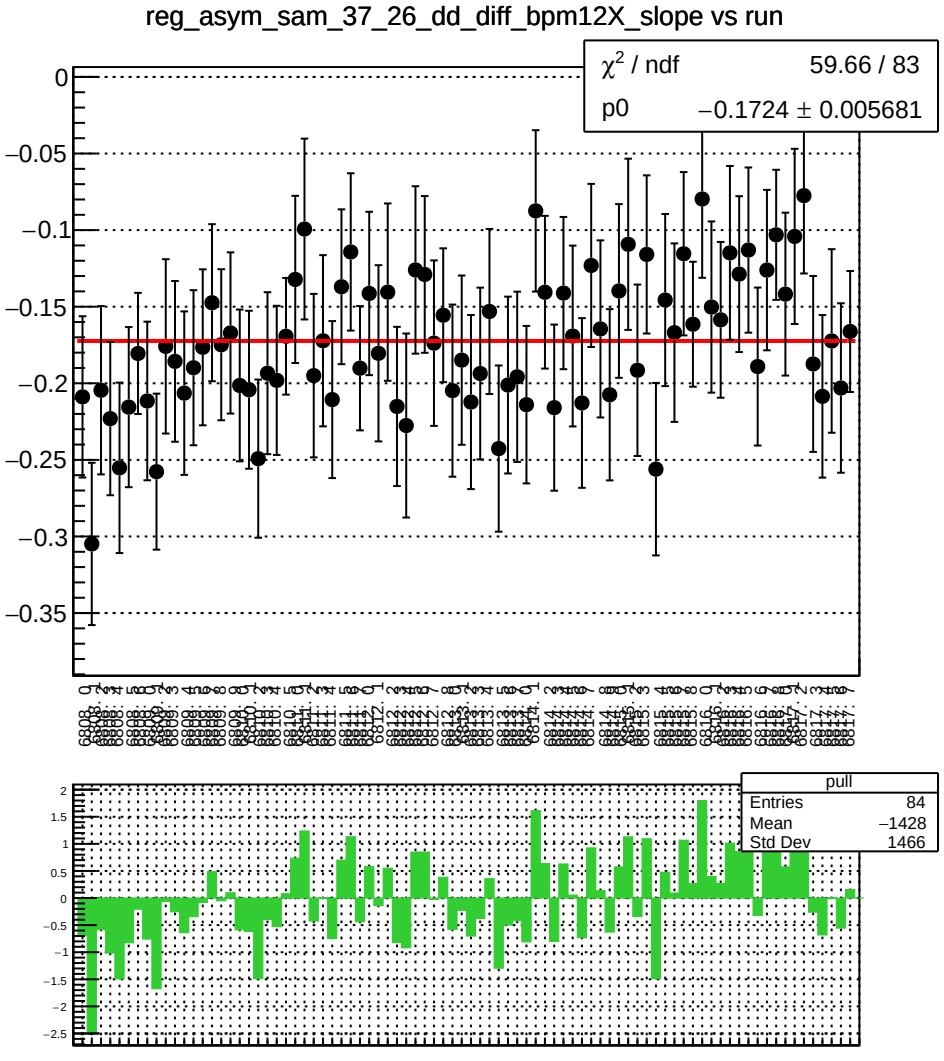

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.78 / 83
p0 −1.243 ± 0.09018
pull
Entries 84
Mean −200.5
Std Dev 243.4

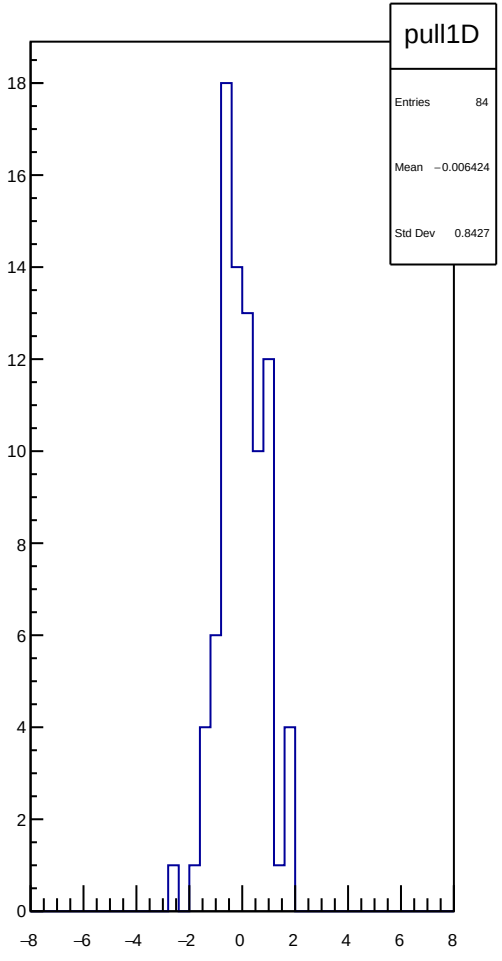

pull1D
Entries 84
Mean 0.02207
Std Dev 0.9112

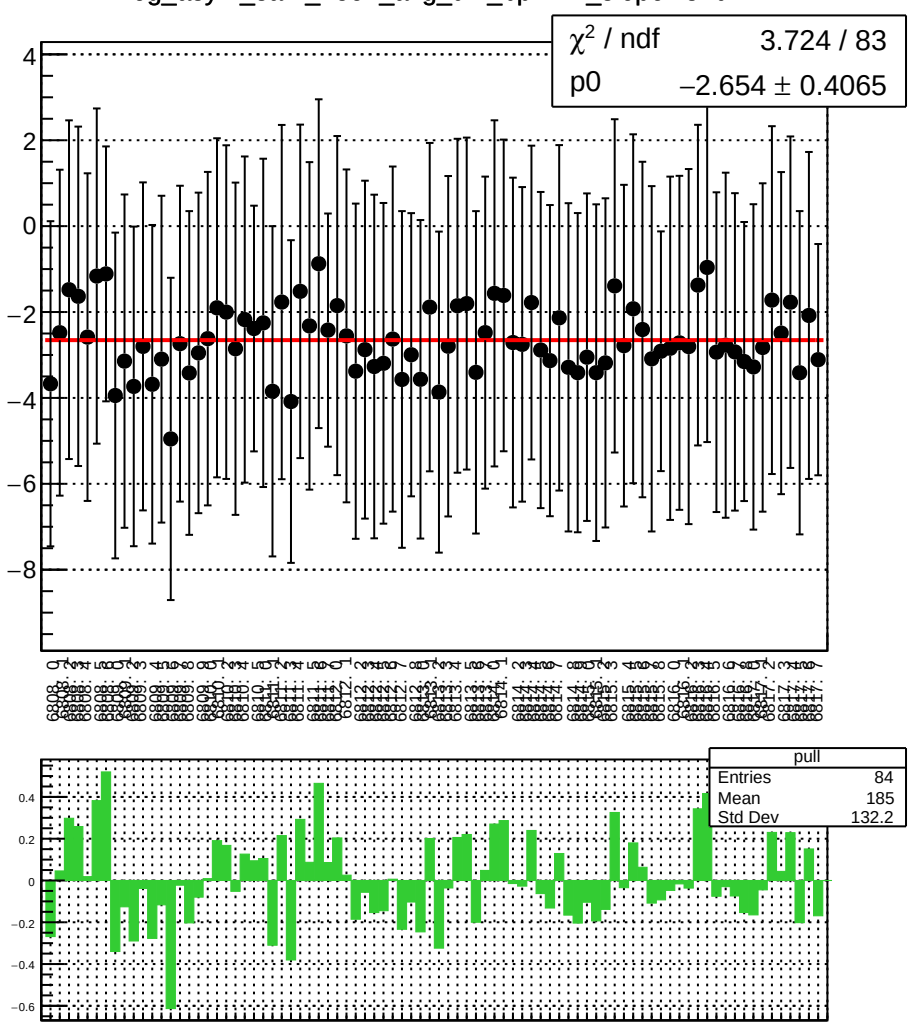

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.49 / 83
p0 −9.317 ± 0.1309
pull
Entries 84
Mean 1531
Std Dev 1438
pull1D
Entries 84
Mean 0.000592
Std Dev 0.5721

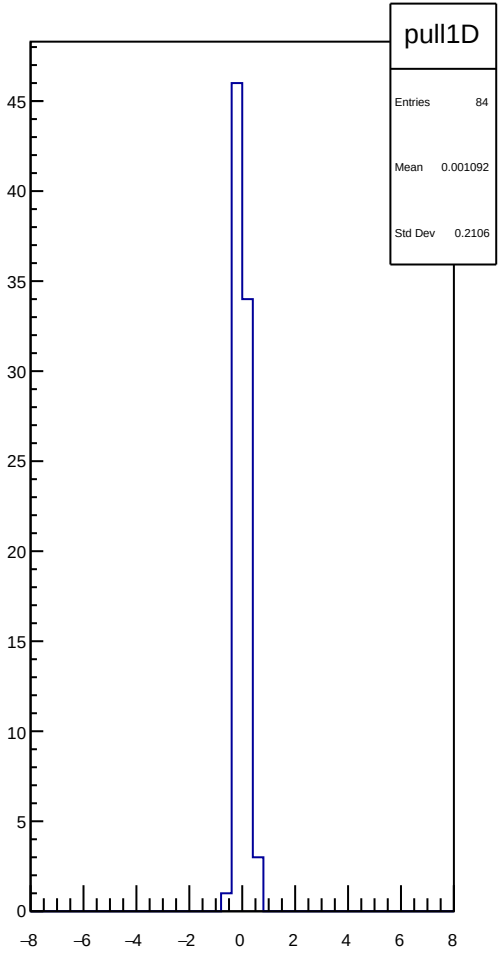

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.39 / 83
p0 22.12 ± 0.1088
pull
Entries 84
Mean 321.2
Std Dev 278.5

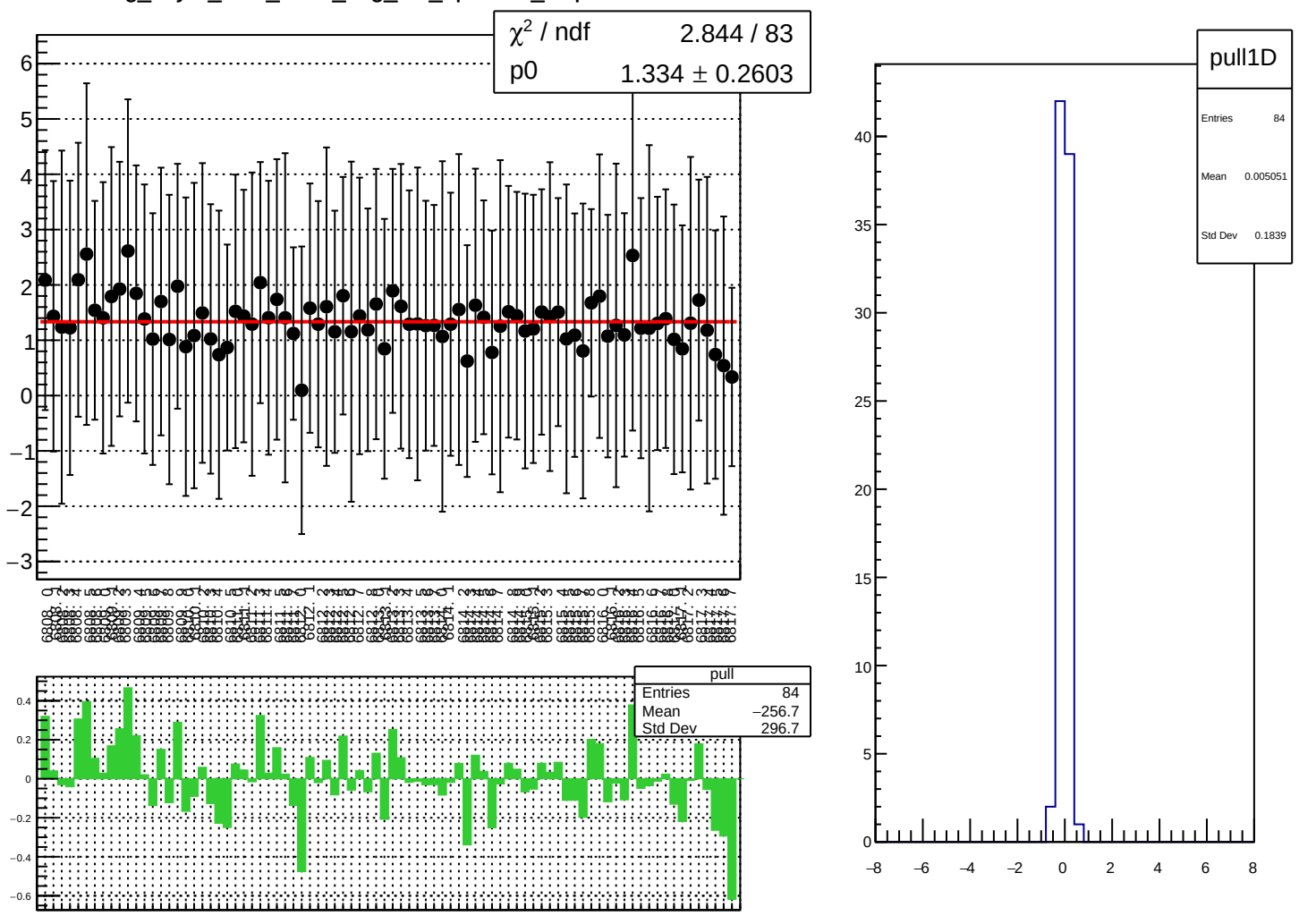

pull1D
Entries 84
Mean 0.02467
Std Dev 0.984

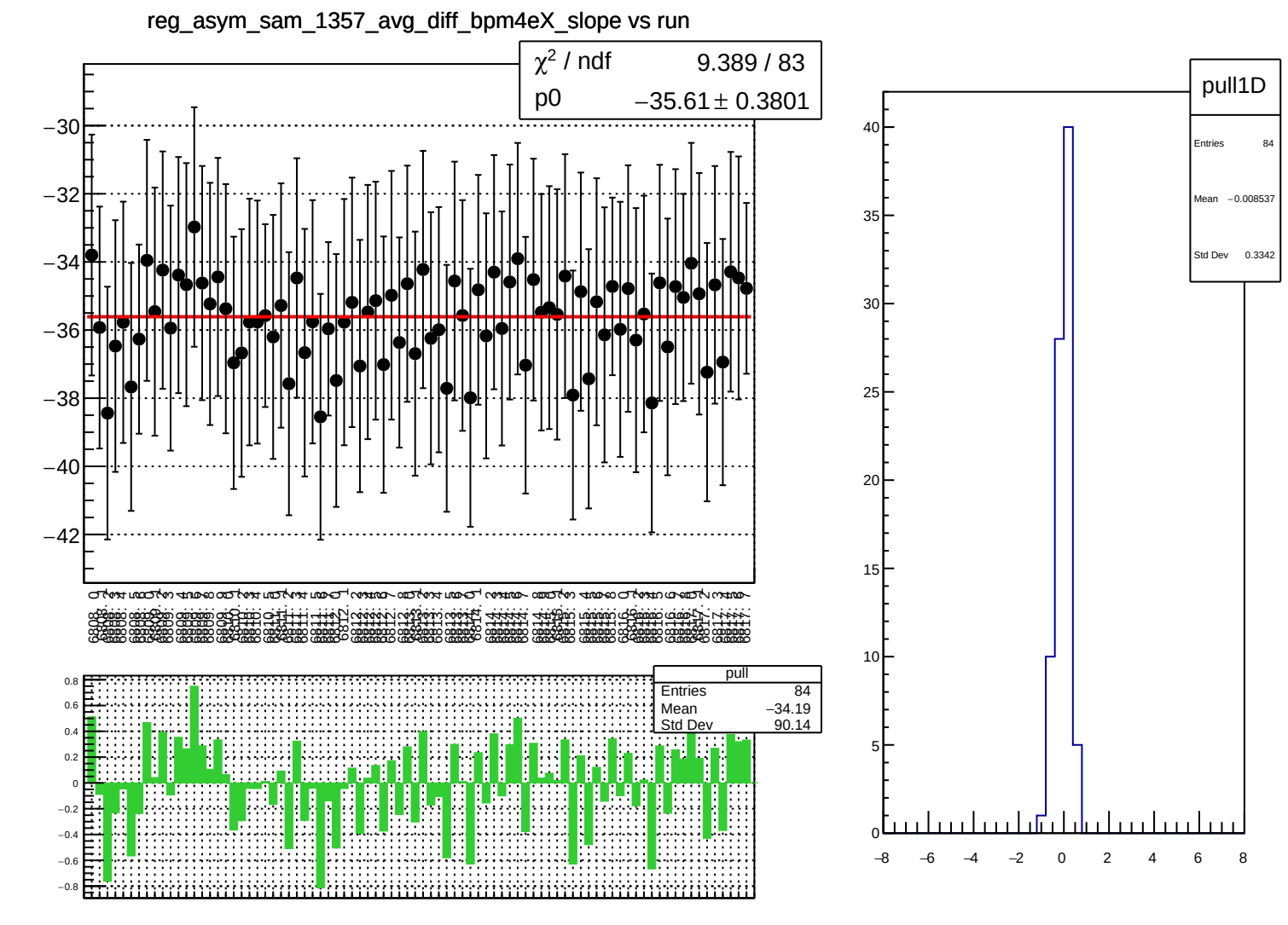

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 59.66 / 83
p0 −0.1724 ± 0.005681
pull
Entries 84
Mean −1428
Std Dev 1466

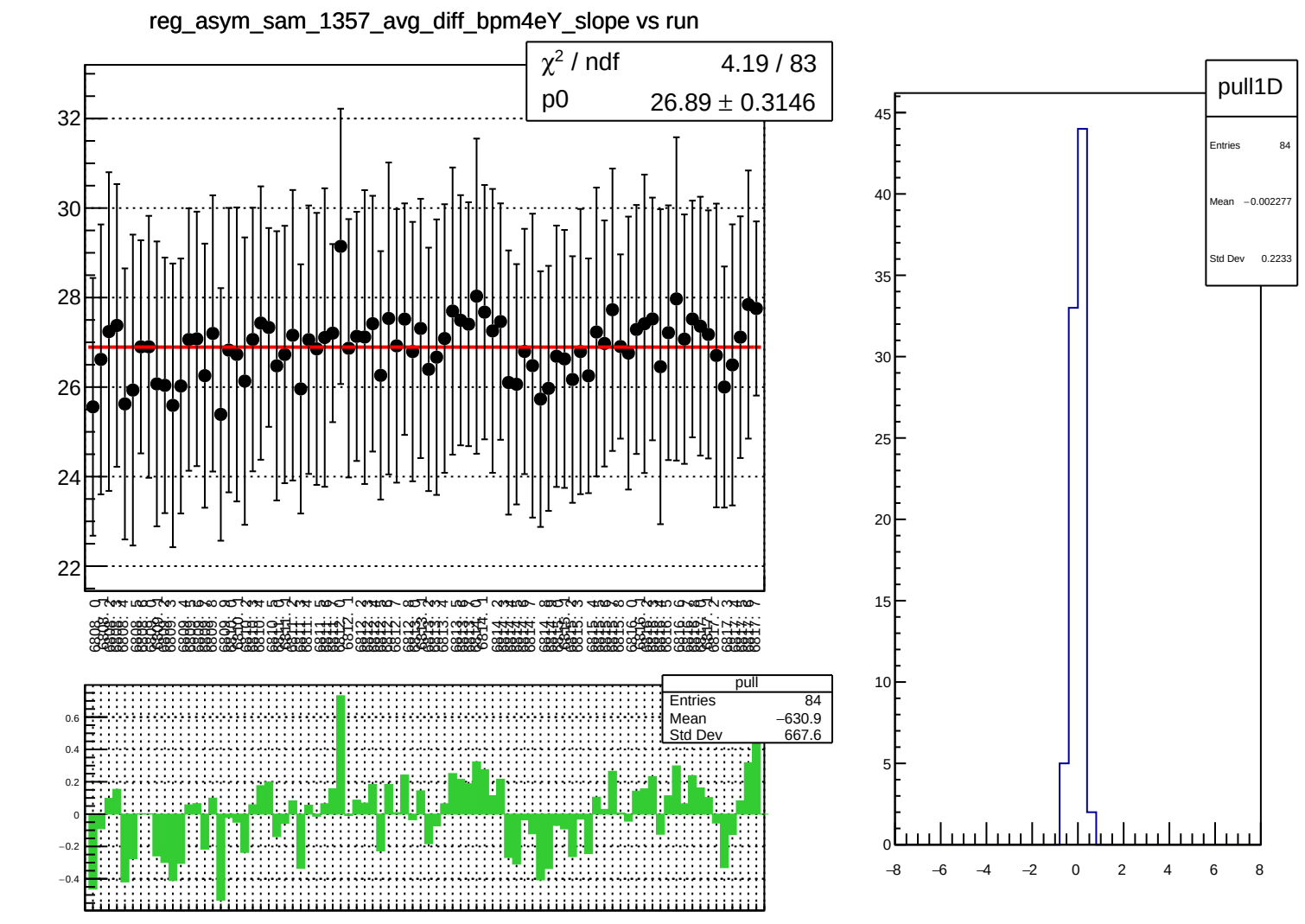

pull1D
Entries 84
Mean −0.006424
Std Dev 0.8427

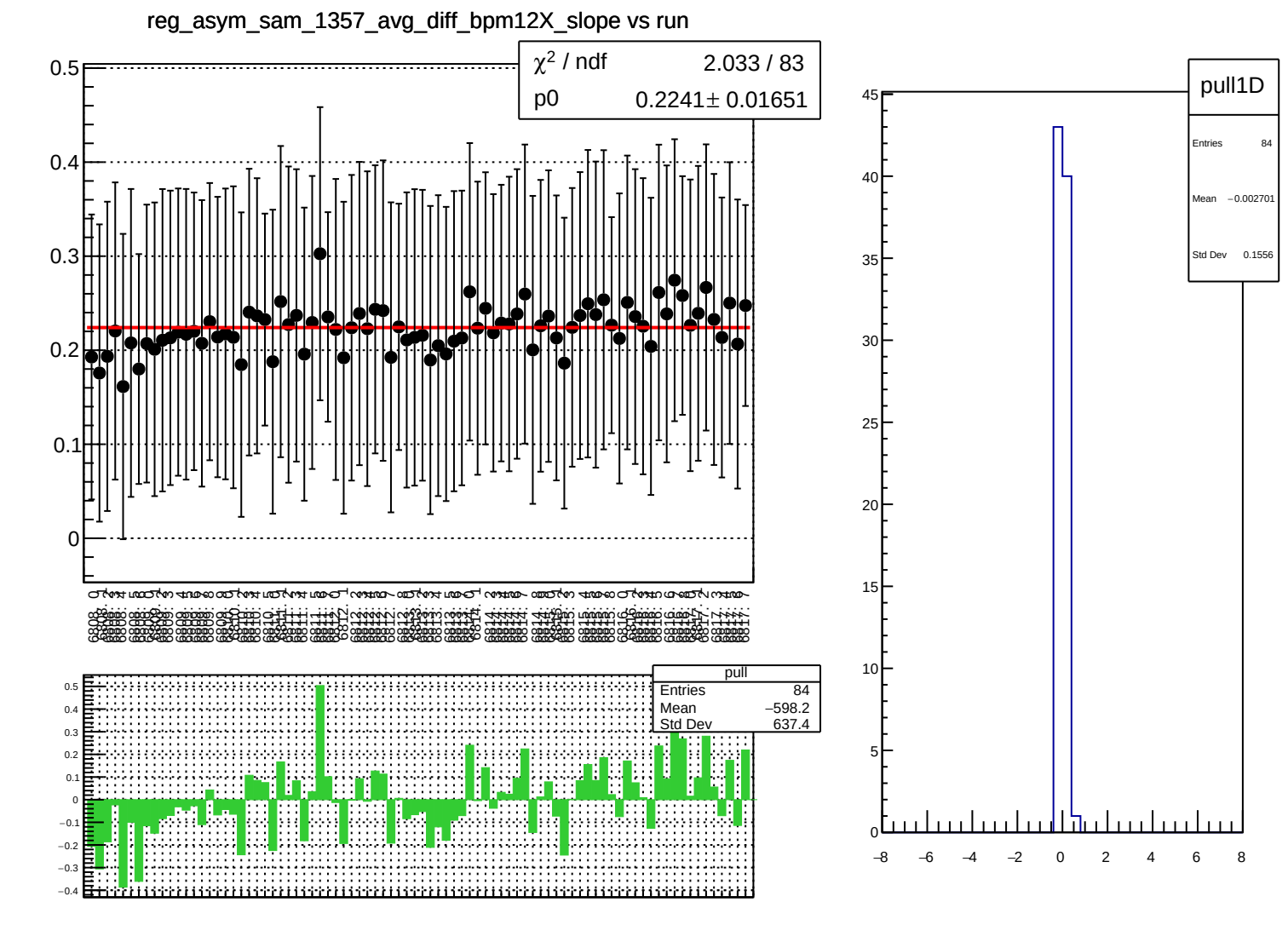

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 3.724 / 83
p0 −2.654 ± 0.4065
pull
Entries 84
Mean 185
Std Dev 132.2

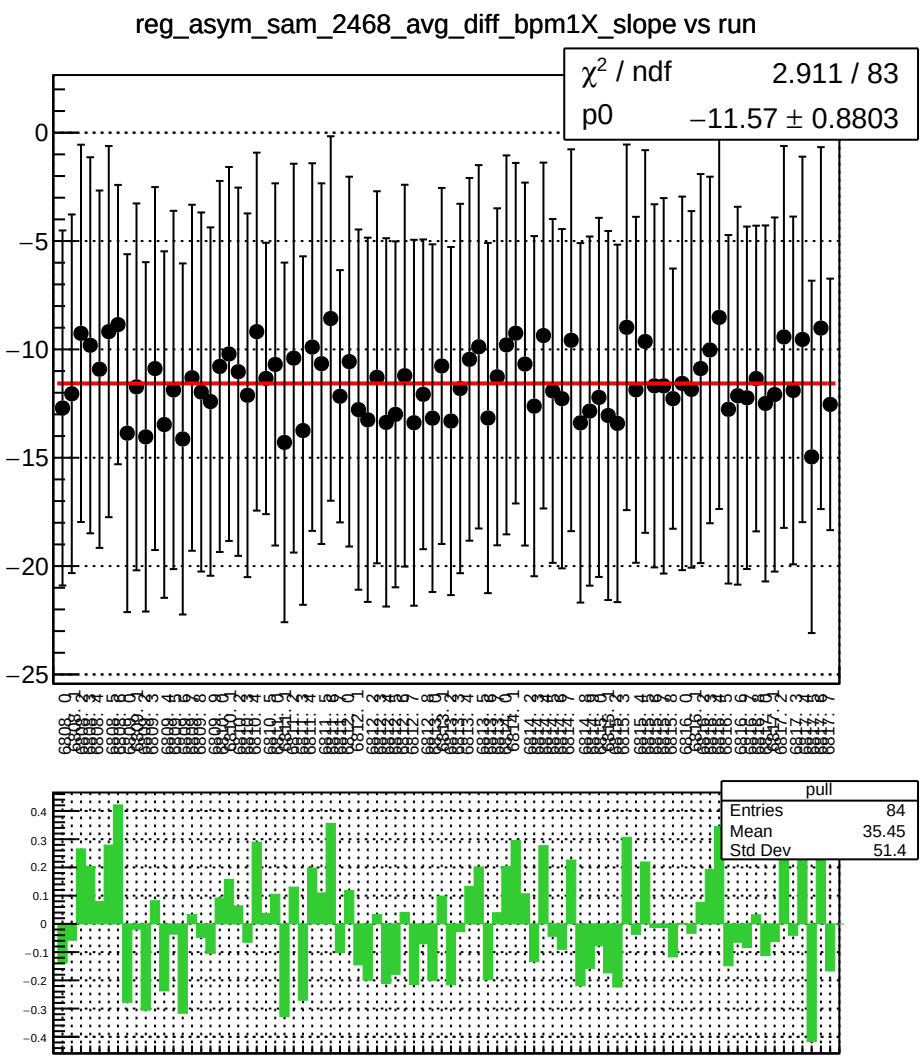

pull1D
Entries 84
Mean 0.001092
Std Dev 0.2106

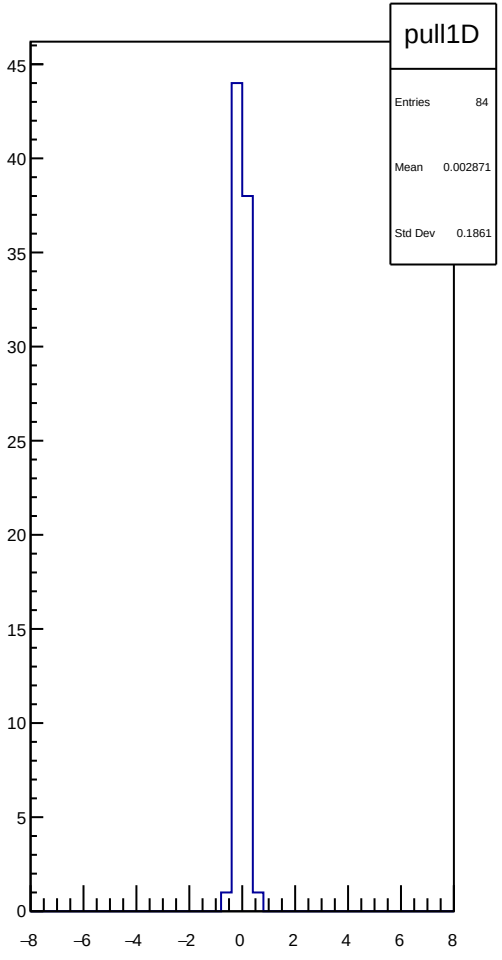

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.844 / 83
p0 1.334 ± 0.2603
pull
Entries 84
Mean −256.7
Std Dev 296.7
pull1D
Entries 84
Mean 0.005051
Std Dev 0.1839

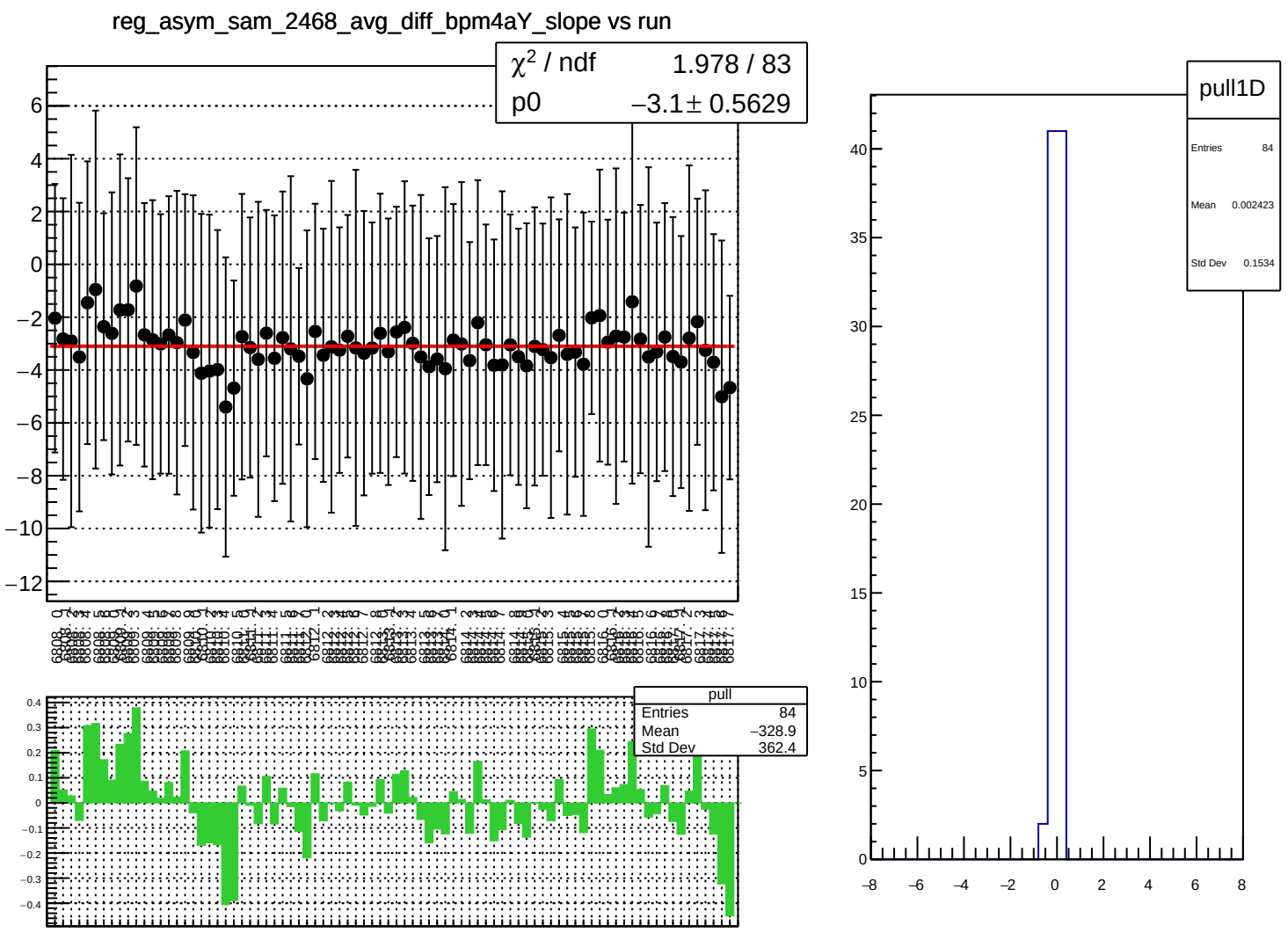

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.389 / 83
p0 −35.61 ± 0.3801
pull
Entries 84
Mean −34.19
Std Dev 90.14
pull1D
Entries 84
Mean −0.008537
Std Dev 0.3342

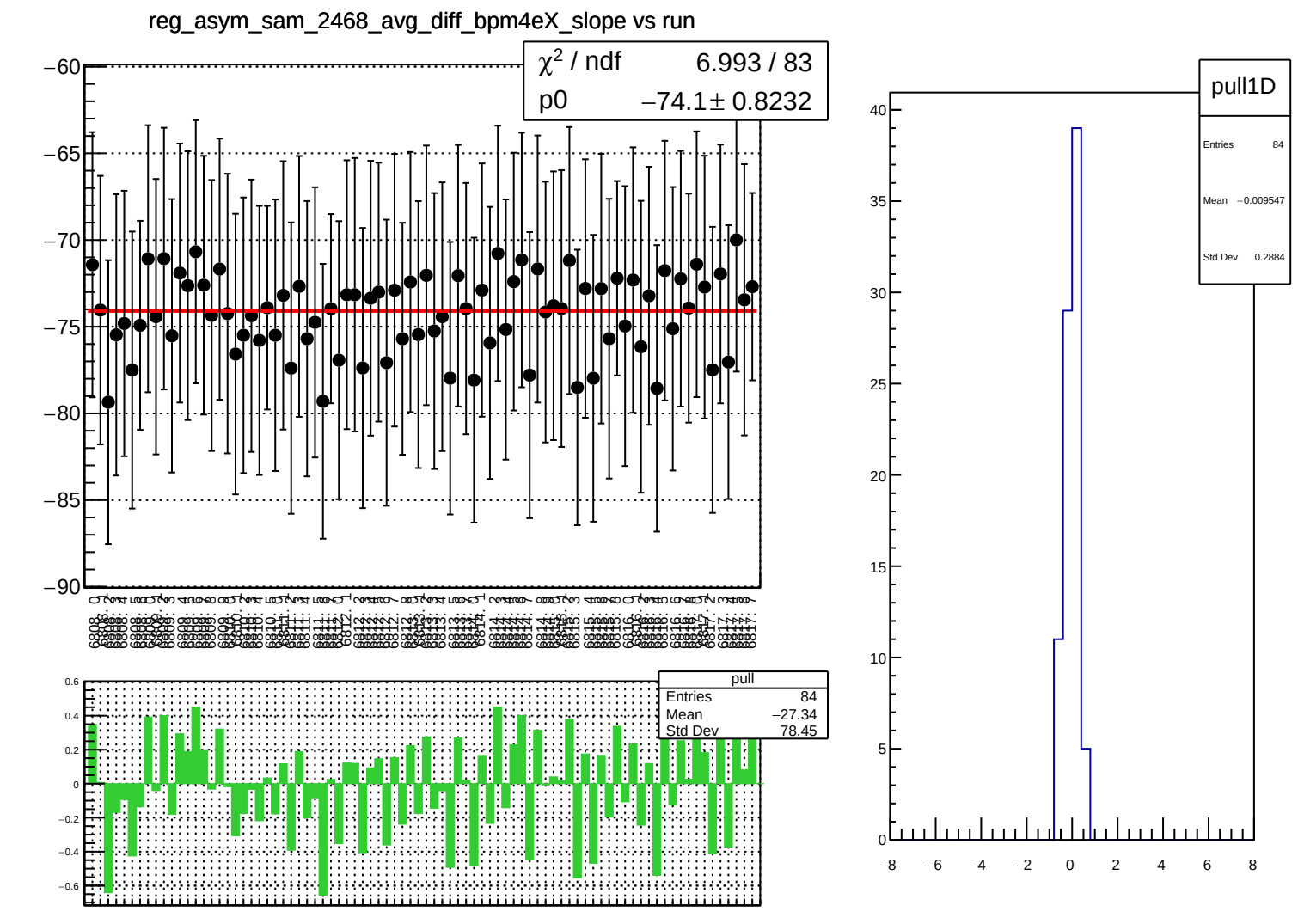

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.19 / 83
p0 26.89 ± 0.3146
pull
Entries 84
Mean −630.9
Std Dev 667.6
pull1D
Entries 84
Mean −0.002277
Std Dev 0.2233

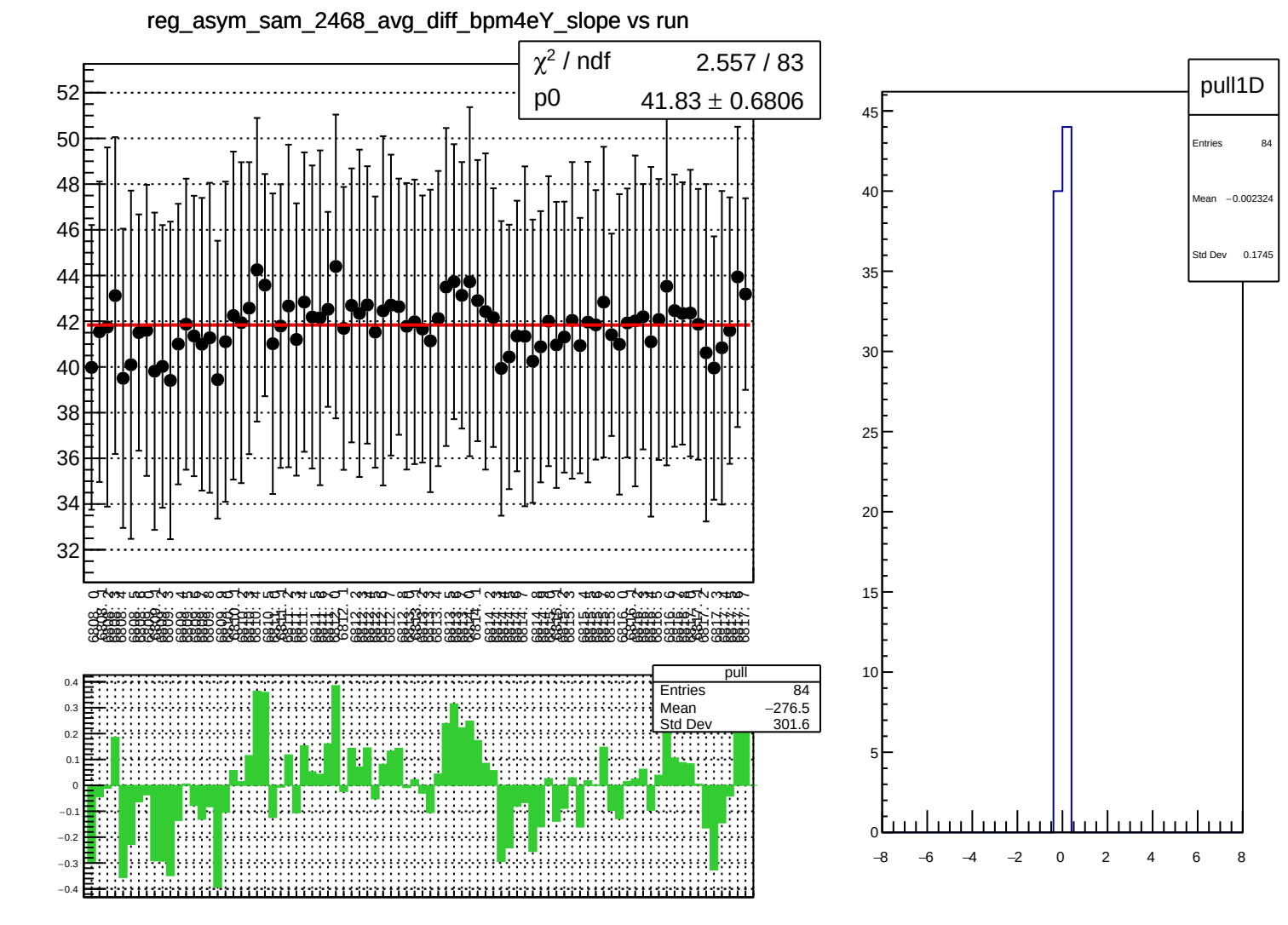

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.033 / 83
p0 0.2241± 0.01651
pull
Entries 84
Mean −598.2
Std Dev 637.4
pull1D
Entries 84
Mean −0.002701
Std Dev 0.1556

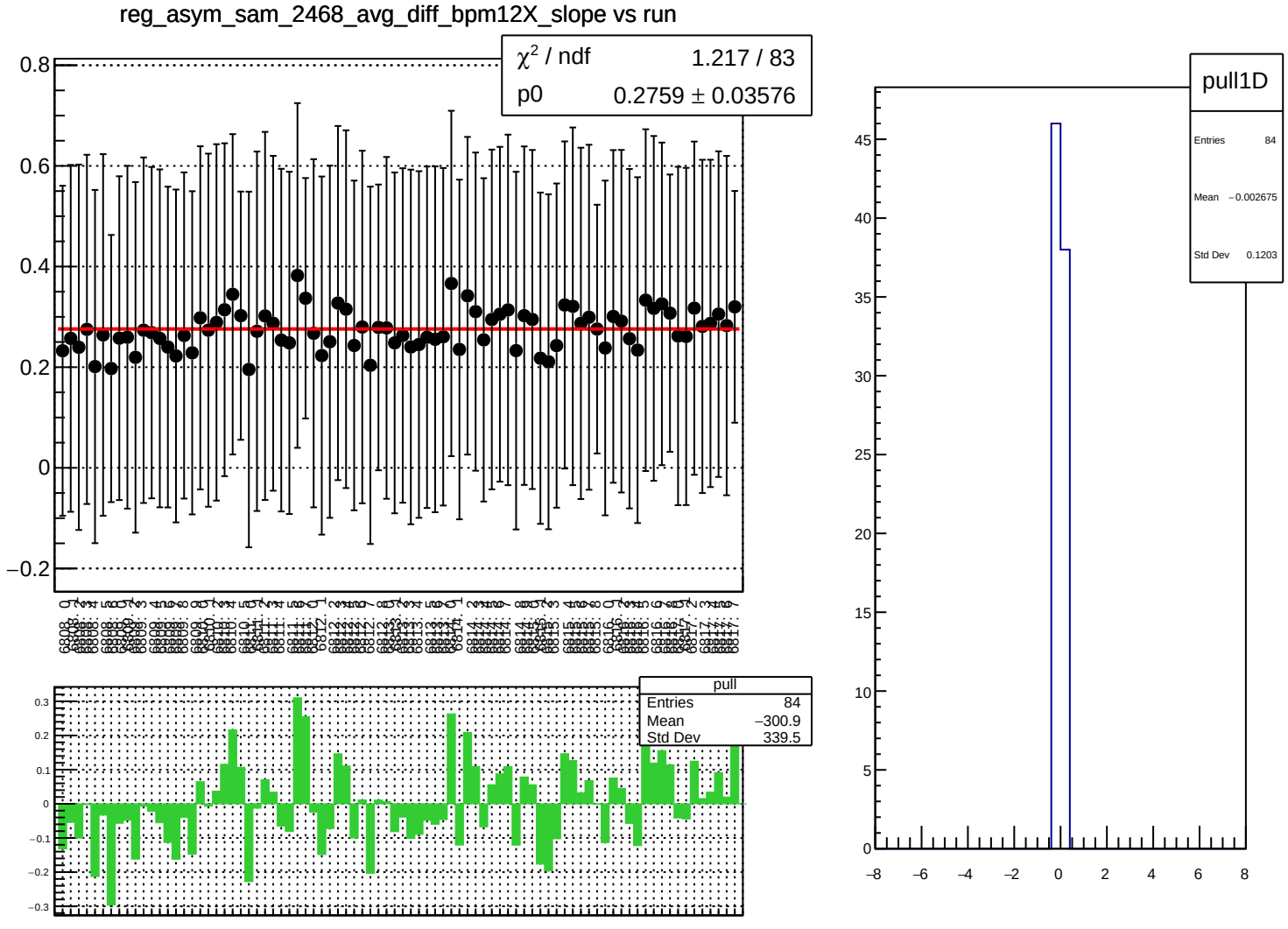

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 2.911 / 83
p0 −11.57 ± 0.8803
pull
Entries 84
Mean 35.45
Std Dev 51.4


pull1D
Entries 84
Mean 0.002871
Std Dev 0.1861

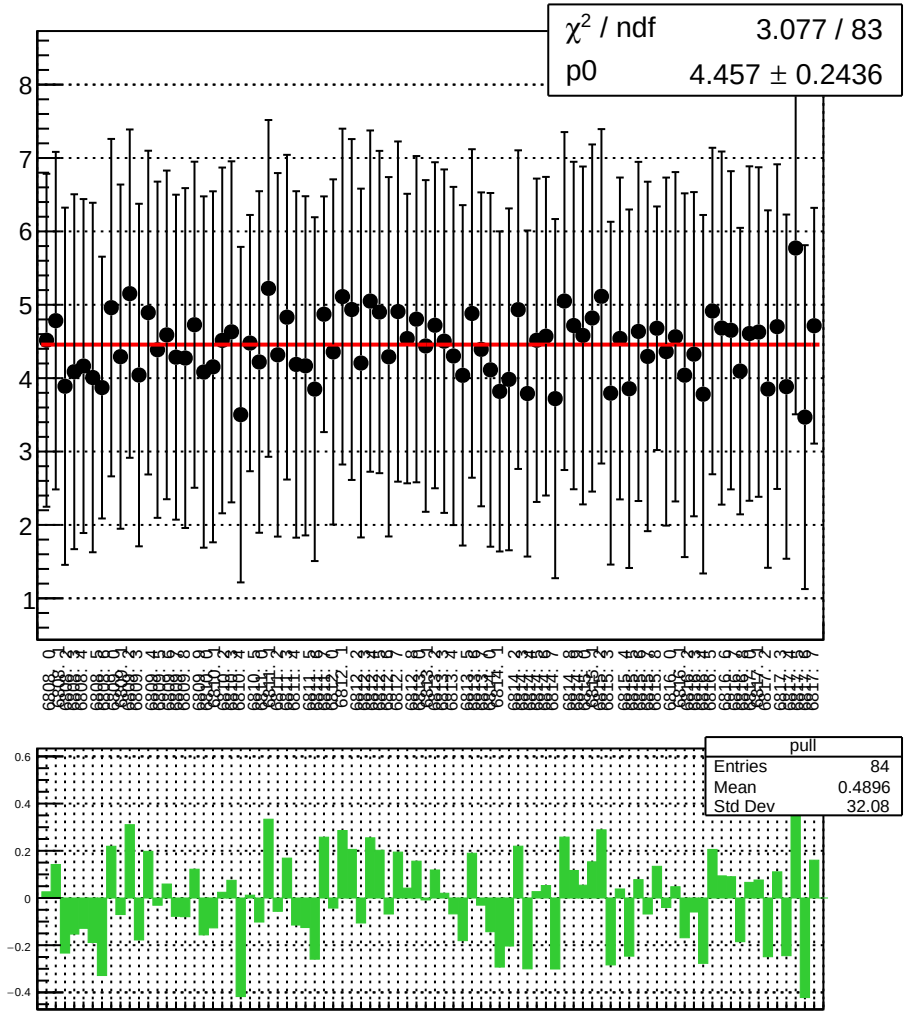

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.978 / 83
p0 −3.1 ± 0.5629
pull
Entries 84
Mean −328.9
Std Dev 362.4
pull1D
Entries 84
Mean 0.002423
Std Dev 0.1534

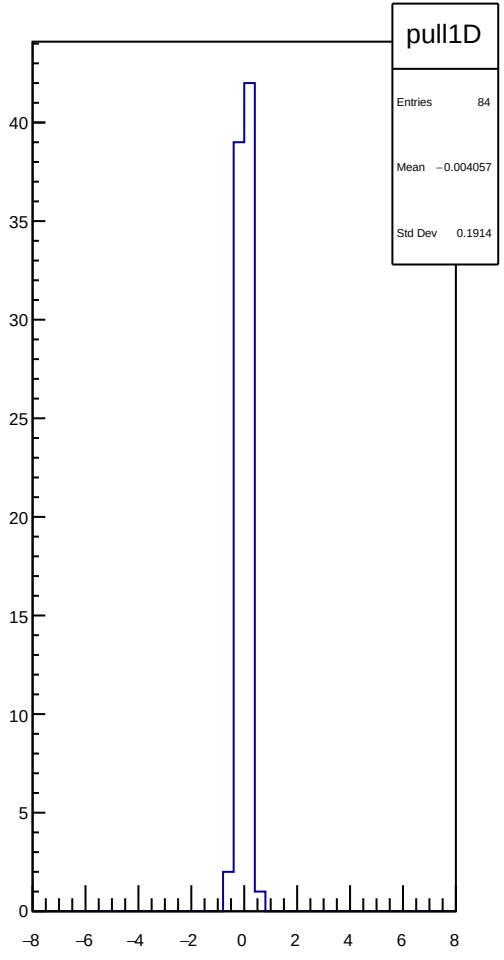

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.993 / 83
p0 −74.1 ± 0.8232
pull
Entries 84
Mean −27.34
Std Dev 78.45
pull1D
Entries 84
Mean −0.009547
Std Dev 0.2884

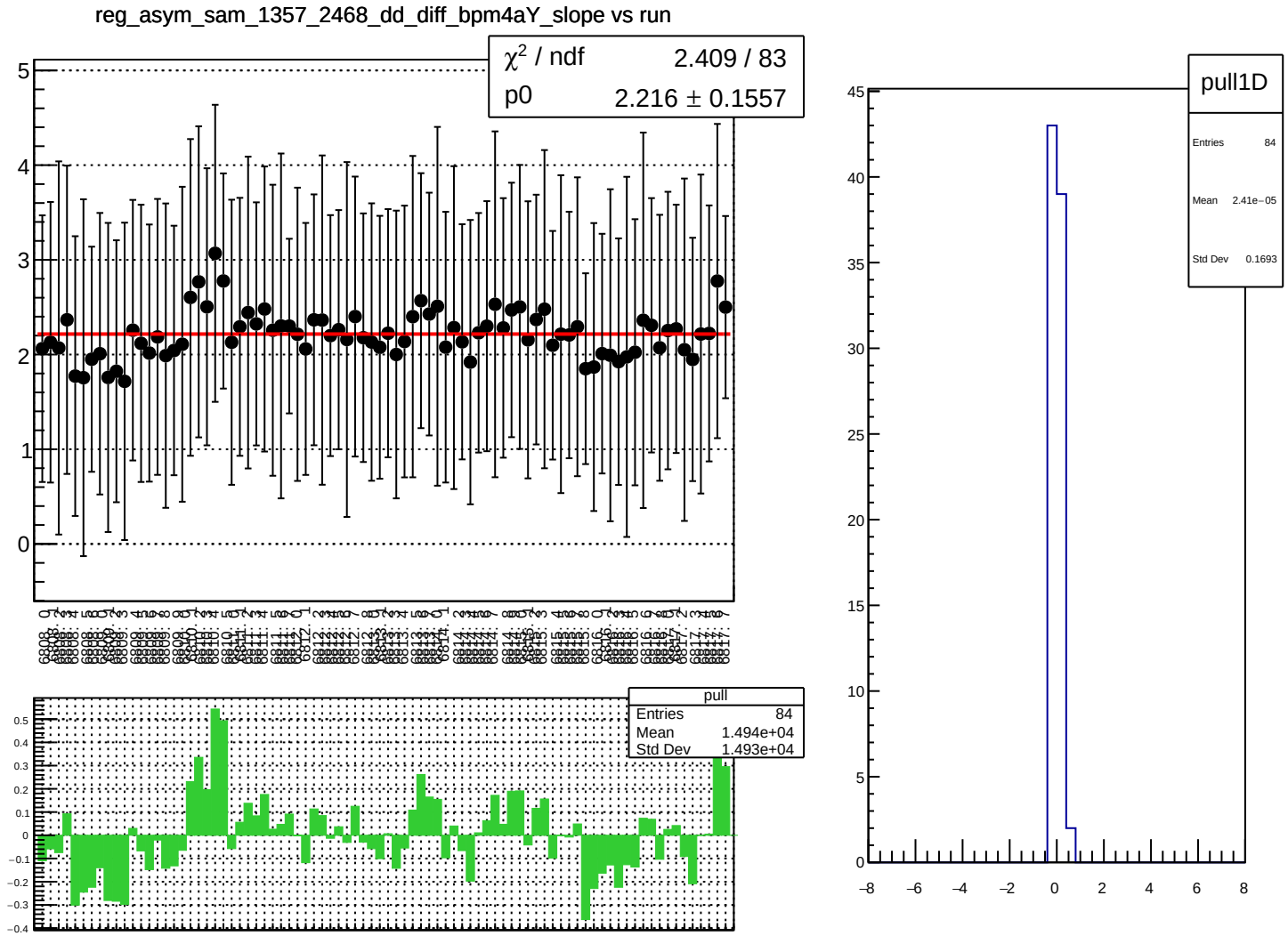

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.557 / 83
p0 41.83 ± 0.6806
pull
Entries 84
Mean −276.5
Std Dev 301.6
pull1D
Entries 84
Mean −0.002324
Std Dev 0.1745

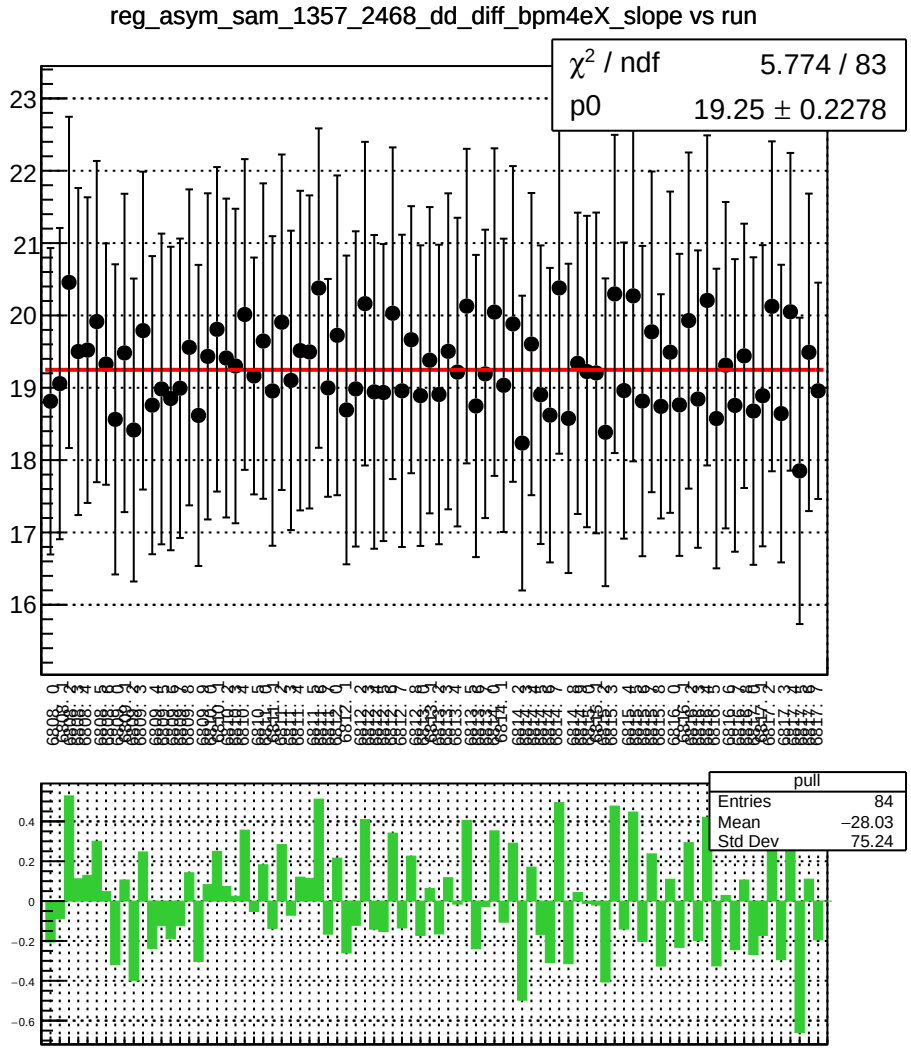

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.217 / 83
p0 0.2759 ± 0.03576
pull
Entries 84
Mean −300.9
Std Dev 339.5
pull1D
Entries 84
Mean −0.002675
Std Dev 0.1203

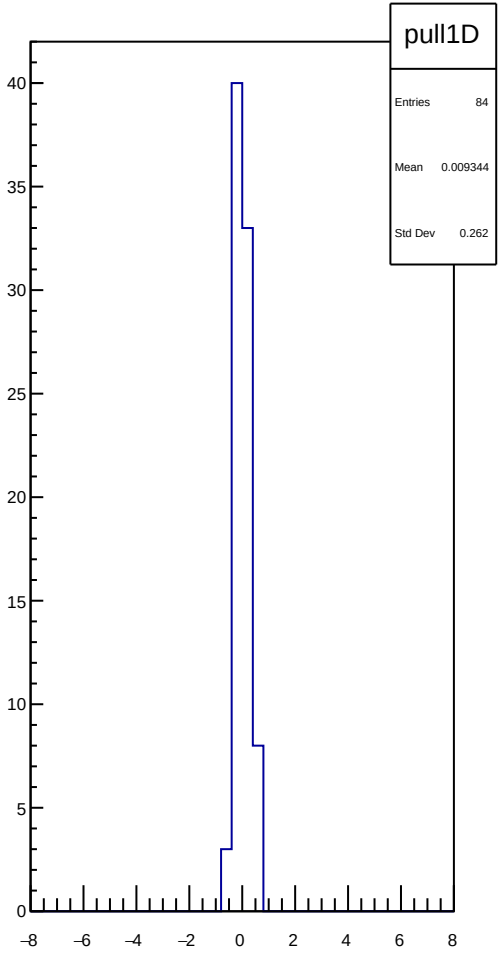
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

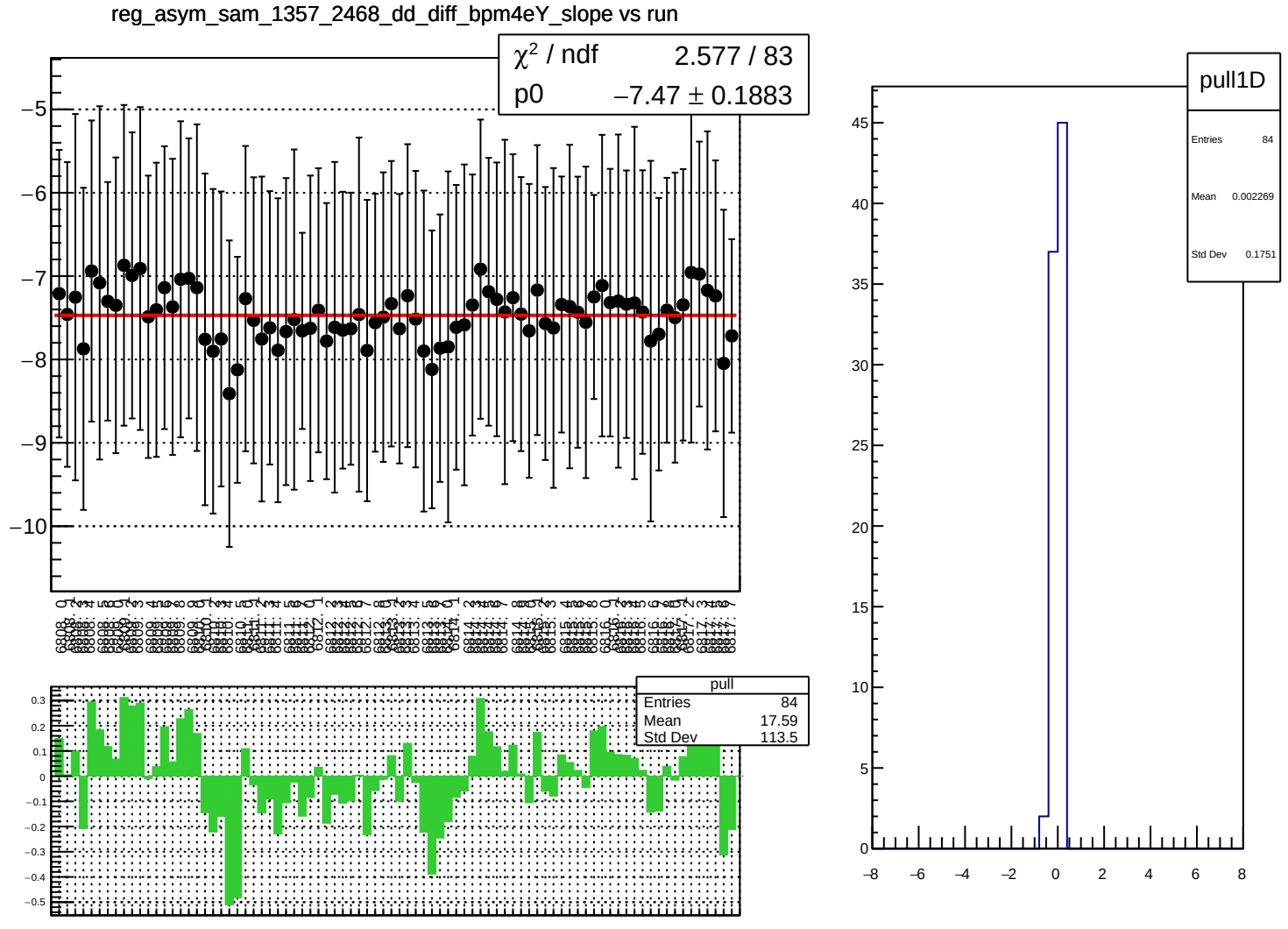


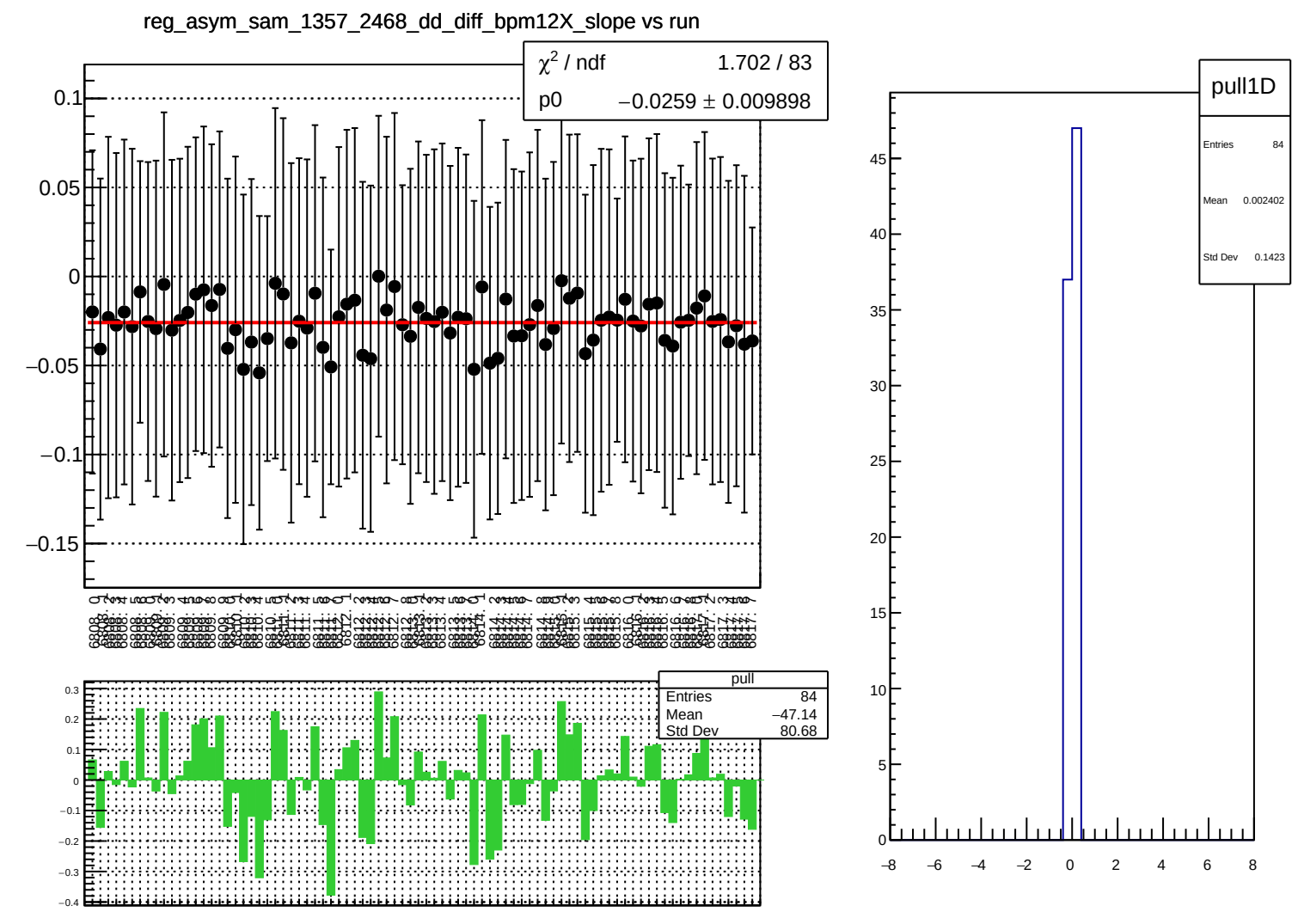


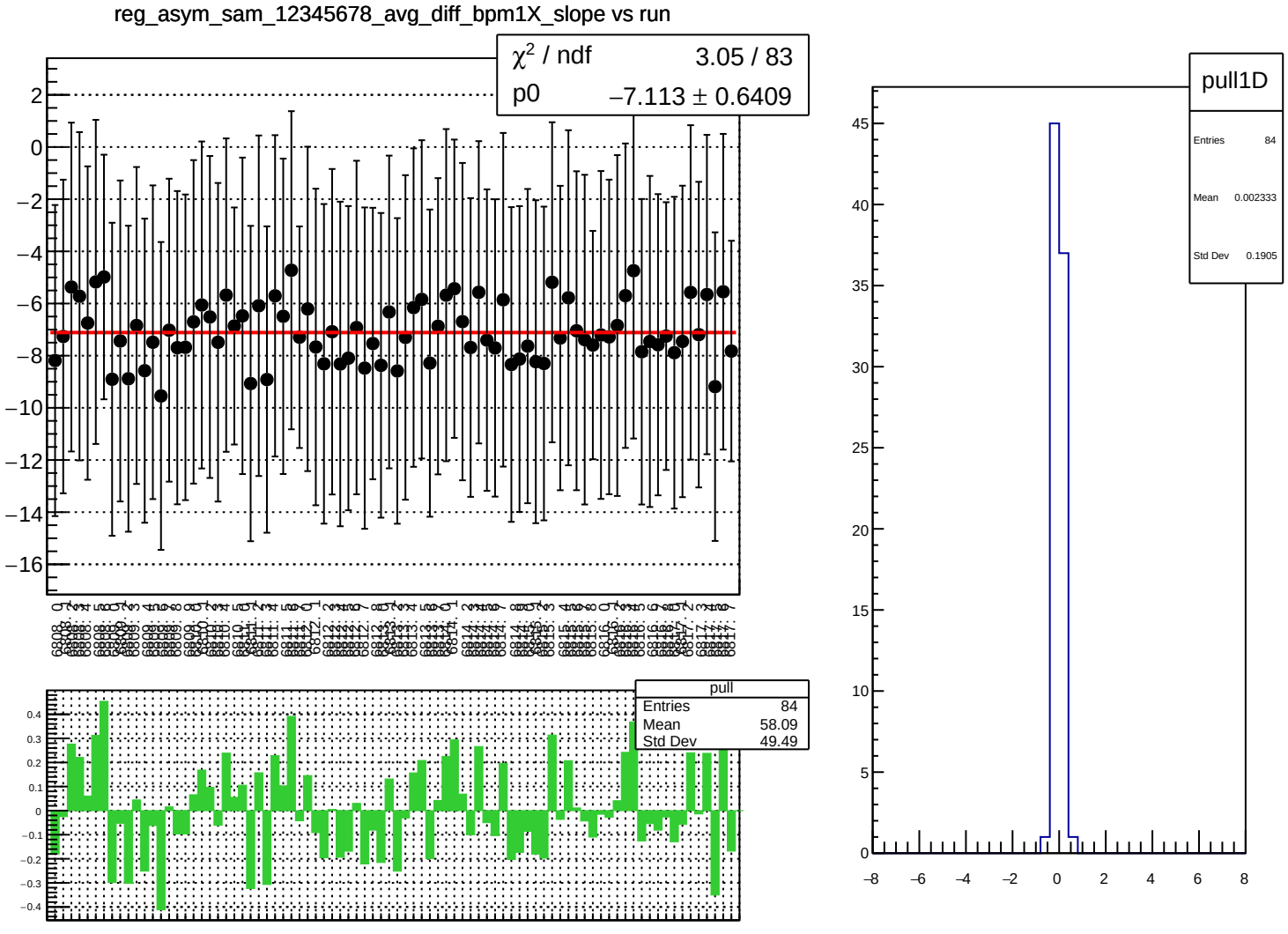

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.409 / 83
p0 2.216 ± 0.1557
pull
Entries 84
Mean 1.494e+04
Std Dev 1.493e+04
pull1D
Entries 84
Mean 2.41e−05
Std Dev 0.1693

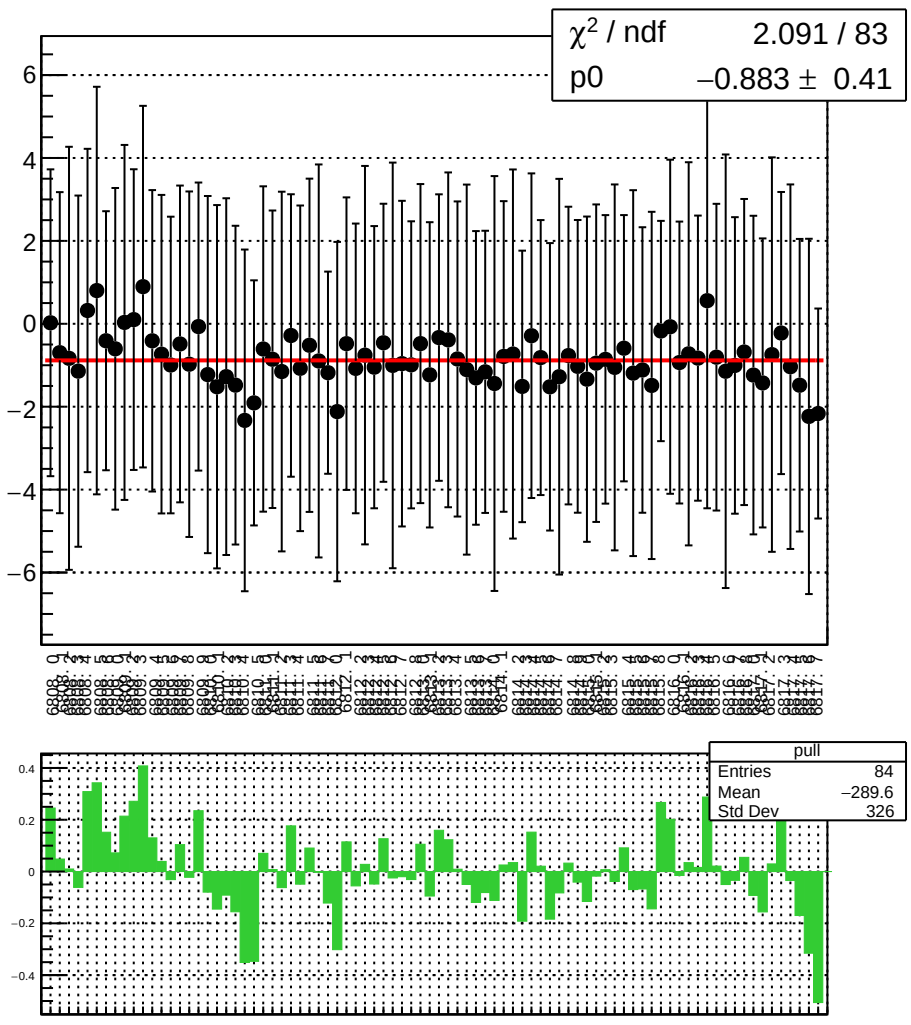

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.774 / 83
p0 19.25 ± 0.2278
pull
Entries 84
Mean −28.03
Std Dev 75.24

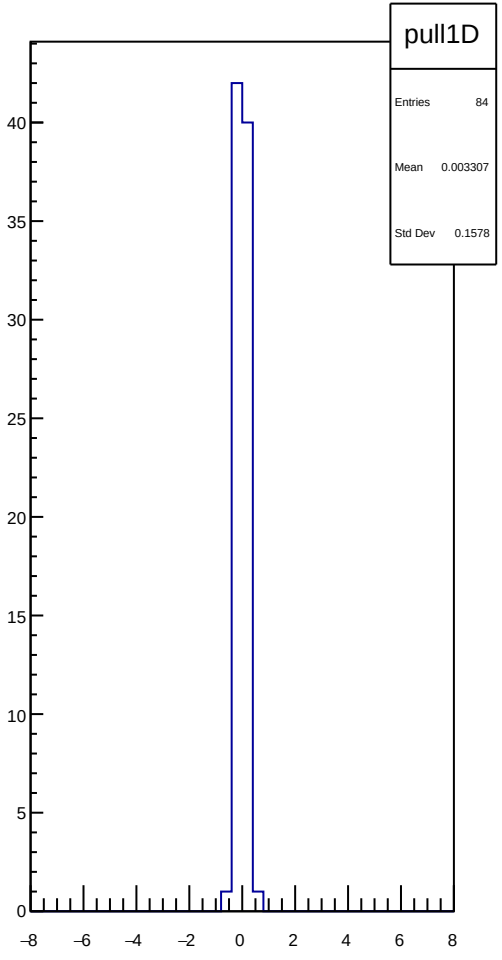

pull1D
Entries 84
Mean 0.009344
Std Dev 0.262

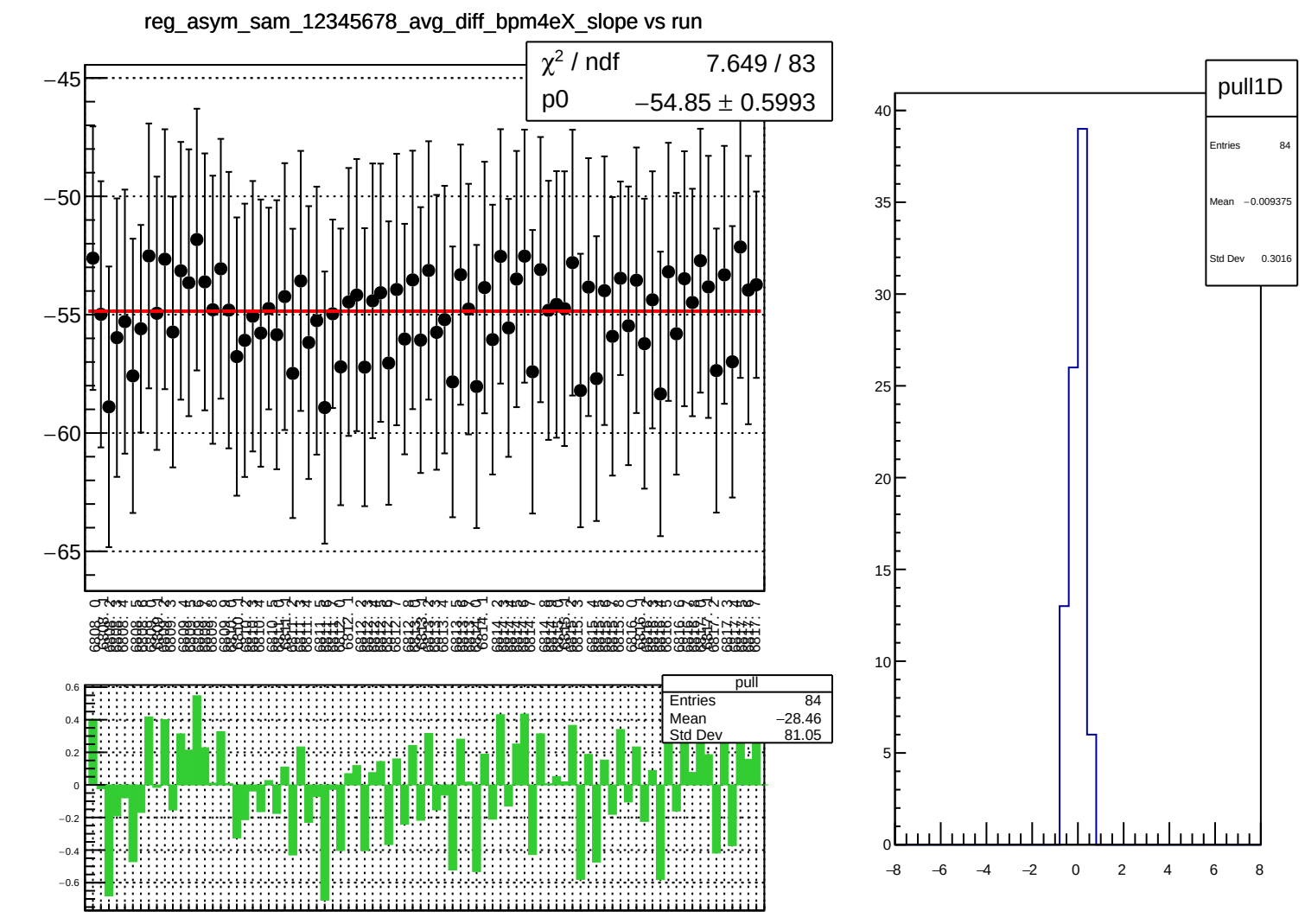

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.577 / 83
p0 −7.47 ± 0.1883
pull
Entries 84
Mean 17.59
Std Dev 113.5
pull1D
Entries 84
Mean 0.002269
Std Dev 0.1751

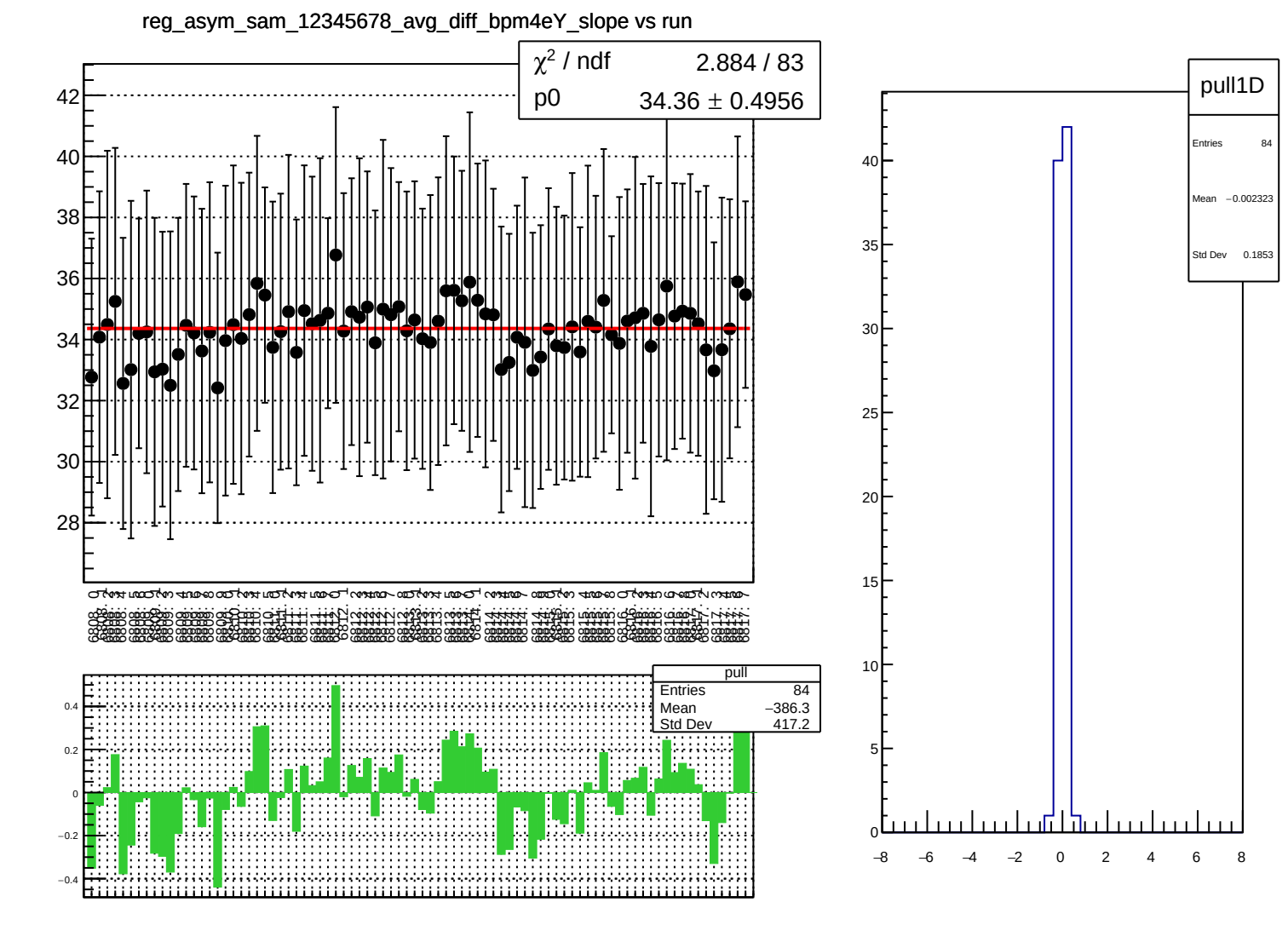

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.702 / 83
p0 −0.0259 ± 0.009898
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 84
Mean −47.14
Std Dev 80.68
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 84
Mean 0.002402
Std Dev 0.1423
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

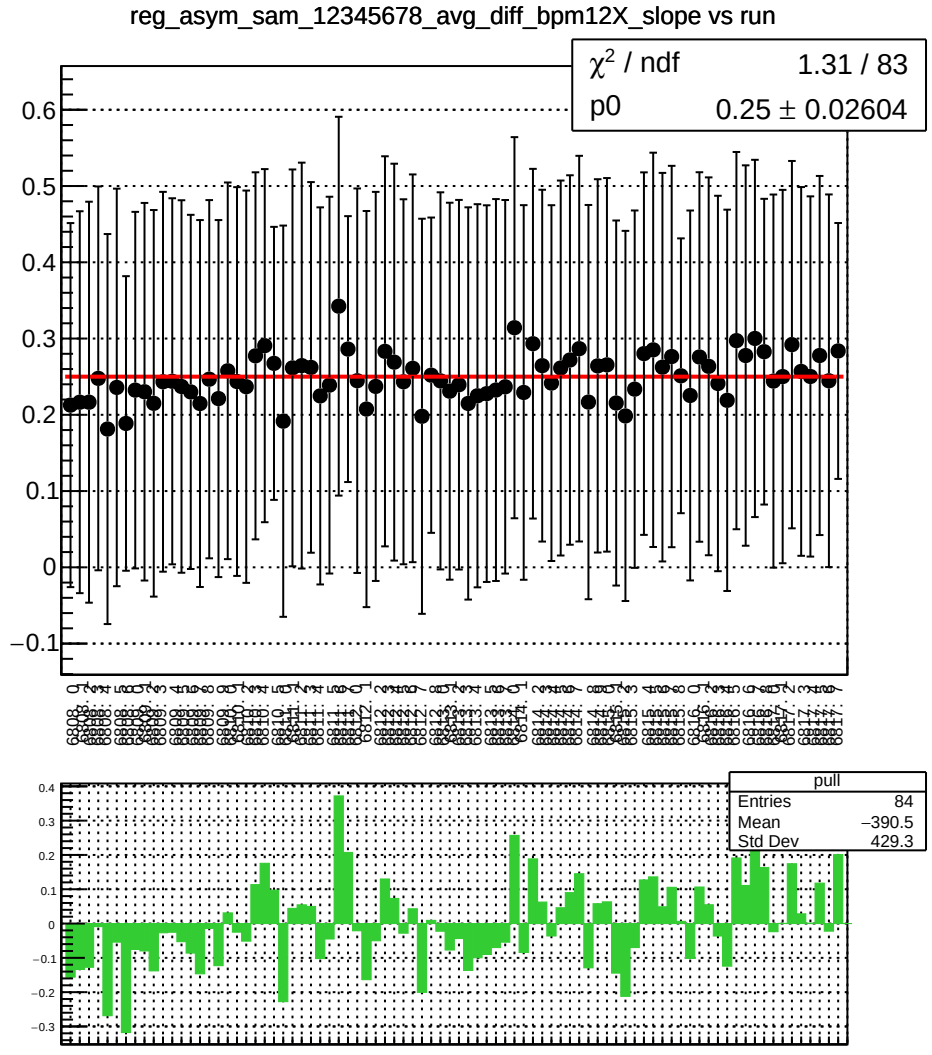

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 3.05 / 83
p0 −7.113 ± 0.6409
pull
Entries 84
Mean 58.09
Std Dev 49.49
pull1D
Entries 84
Mean 0.002333
Std Dev 0.1905

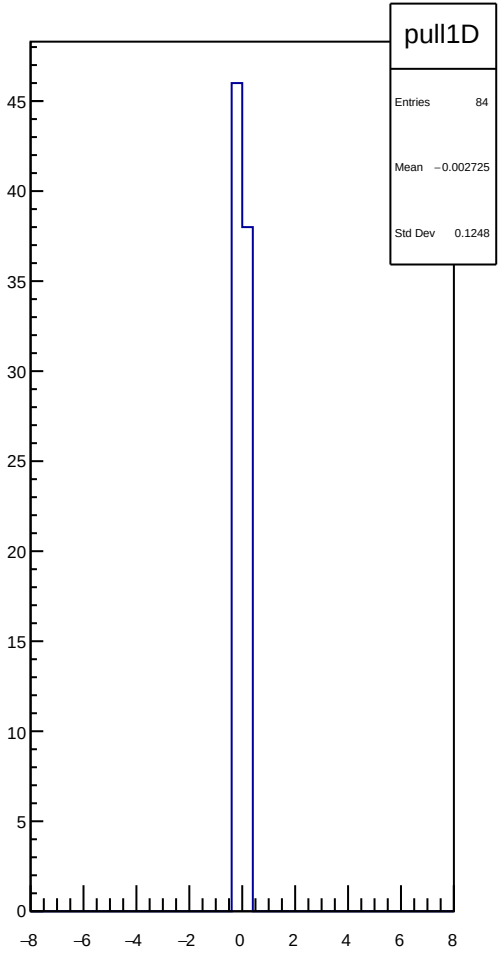

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.091 / 83
p0 −0.883 ± 0.41
pull
Entries 84
Mean −289.6
Std Dev 326

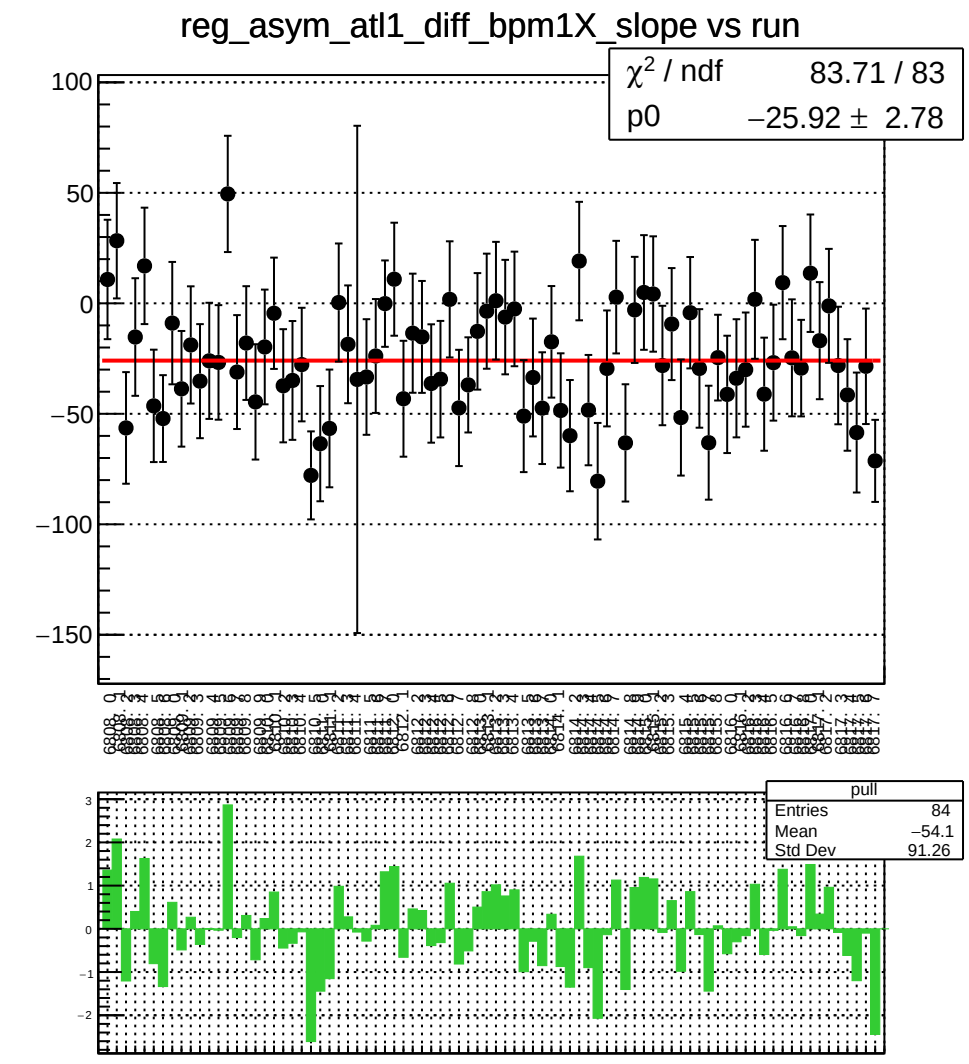

pull1D
Entries 84
Mean 0.003307
Std Dev 0.1578

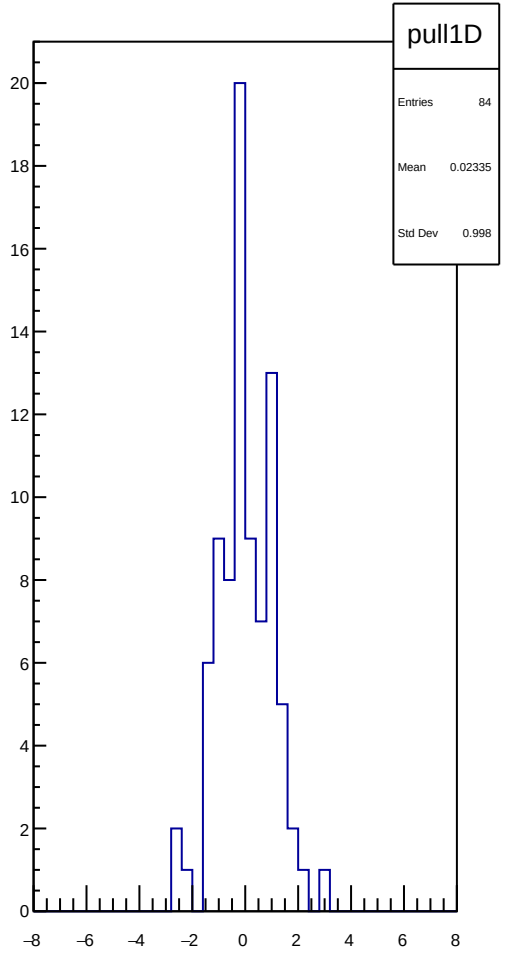

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.649 / 83
p0 −54.85 ± 0.5993
−45
−50
−55
−60
−65
pull
Entries 84
Mean −28.46
Std Dev 81.05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 84
Mean −0.009375
Std Dev 0.3016
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

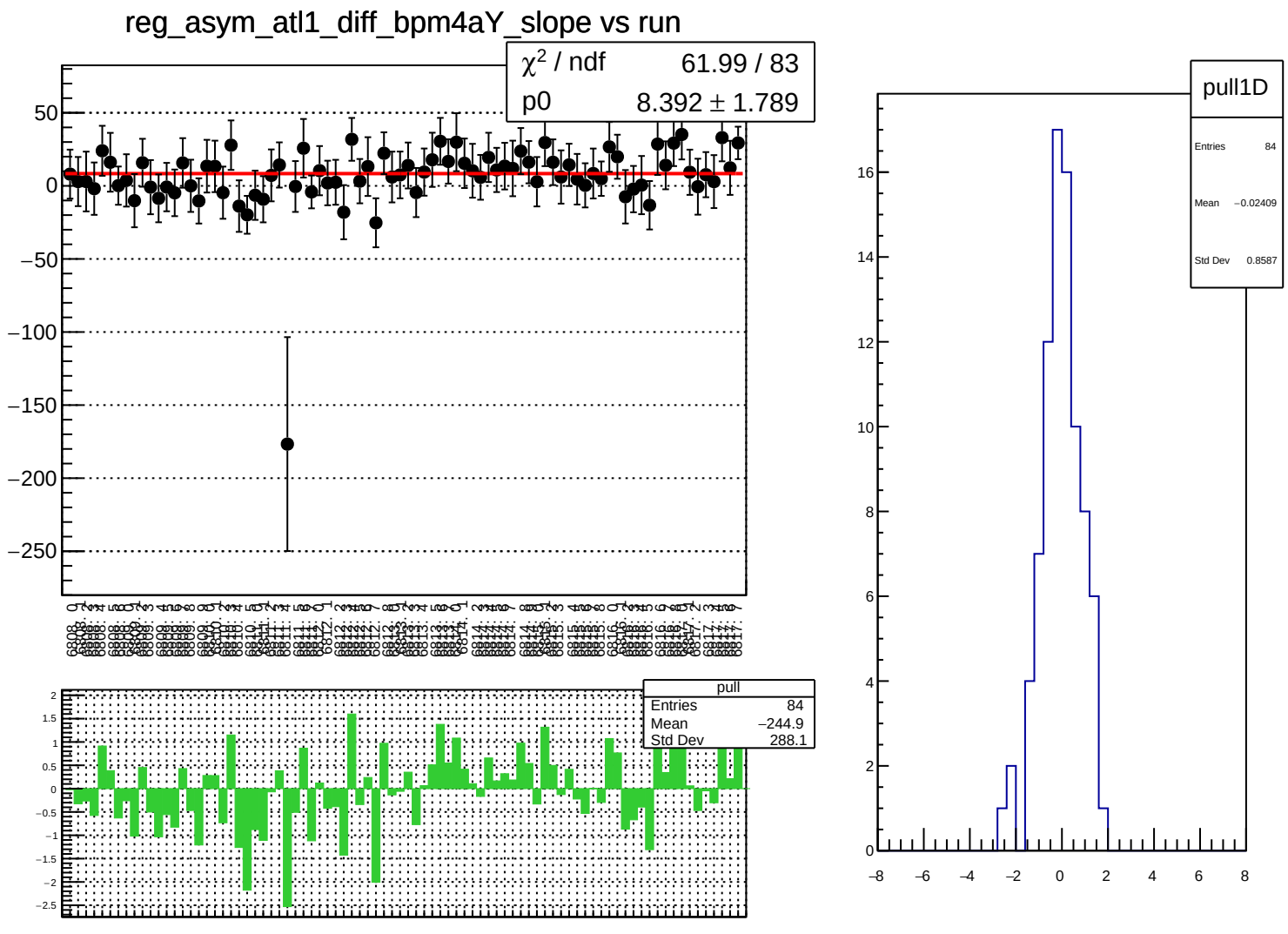

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.884 / 83
p0 34.36 ± 0.4956
pull
Entries 84
Mean −386.3
Std Dev 417.2
pull1D
Entries 84
Mean −0.002323
Std Dev 0.1853

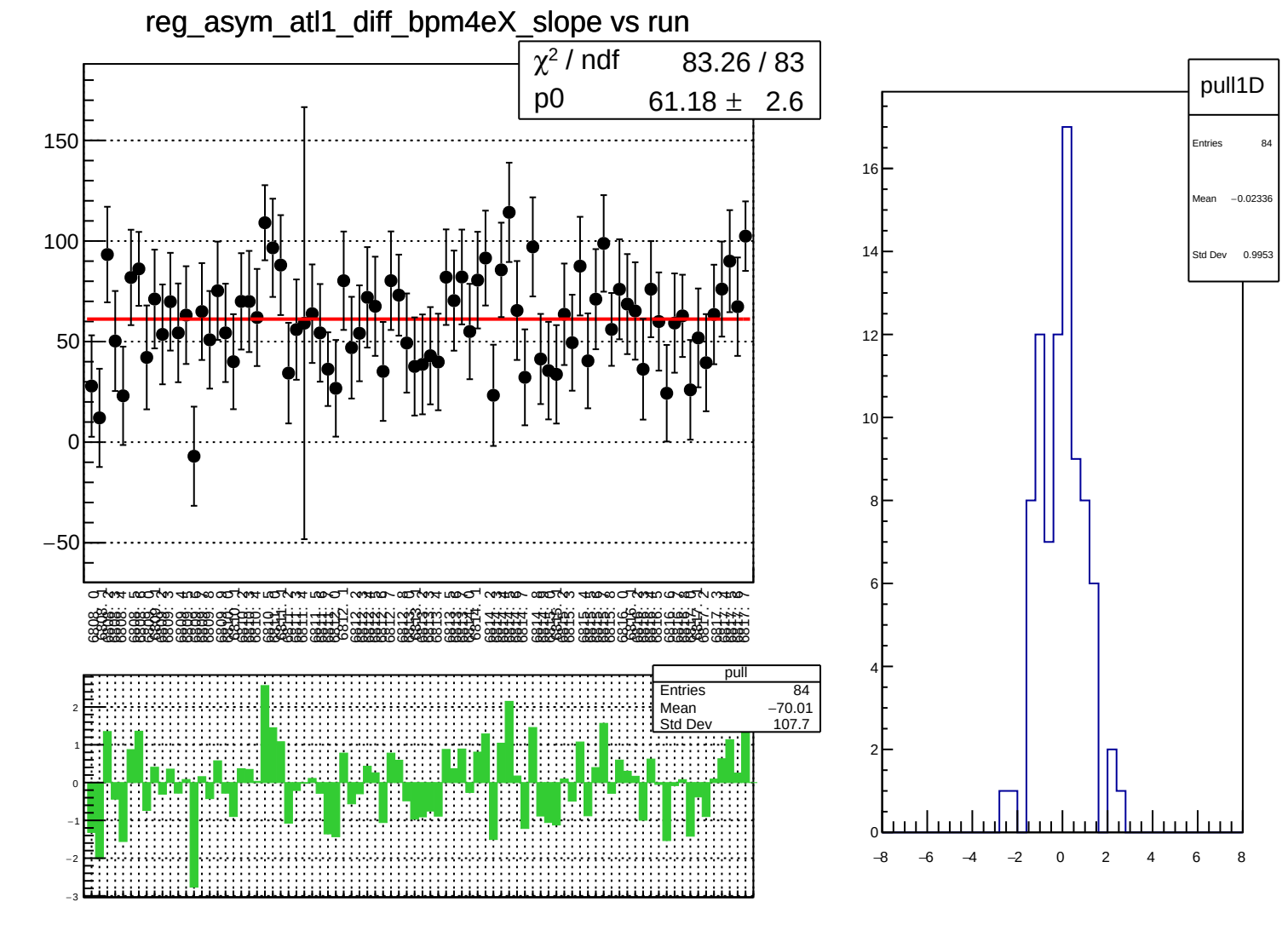

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.31 / 83
p0 0.25 ± 0.02604
pull
Entries 84
Mean −390.5
Std Dev 429.3

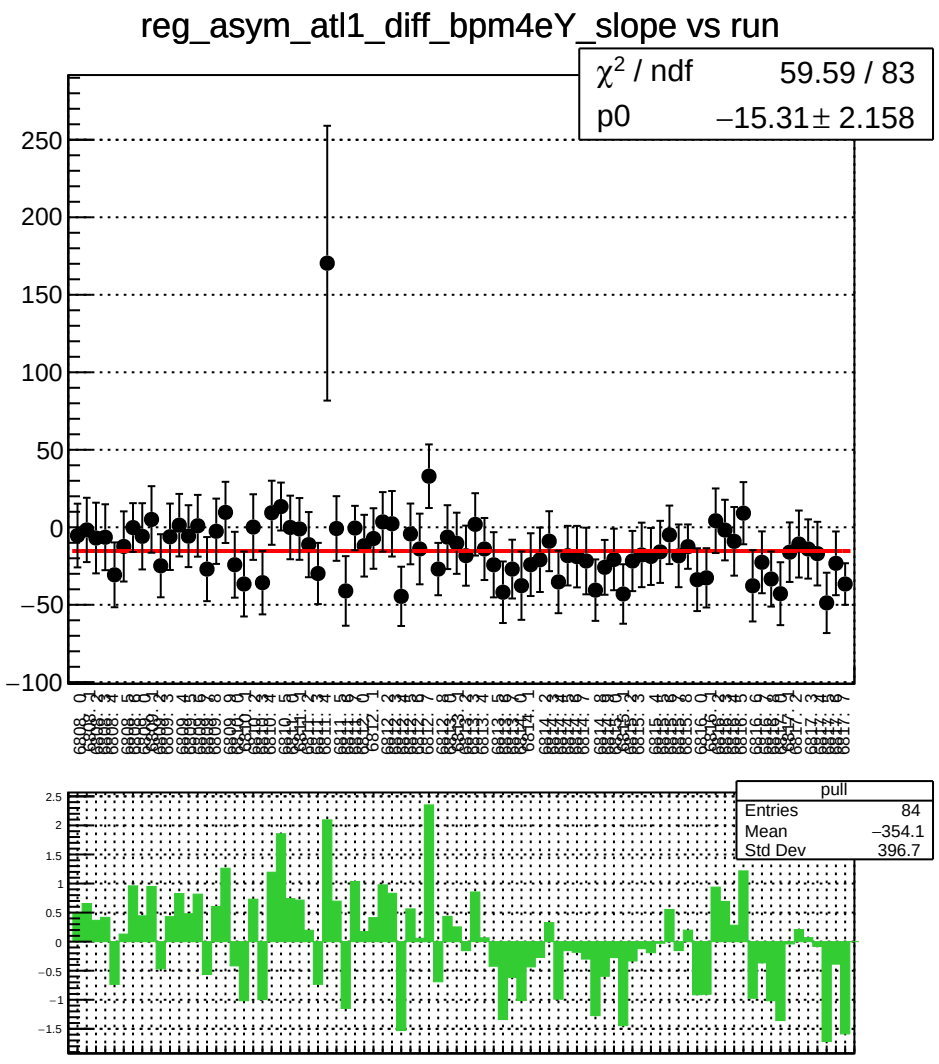

pull1D
Entries 84
Mean −0.002725
Std Dev 0.1248

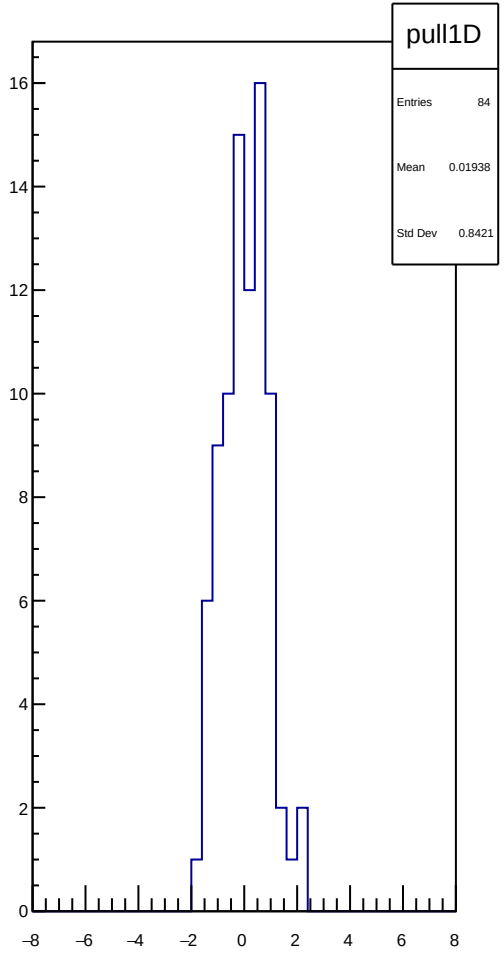

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 83.71 / 83
p0 −25.92 ± 2.78
pull
Entries 84
Mean −54.1
Std Dev 91.26

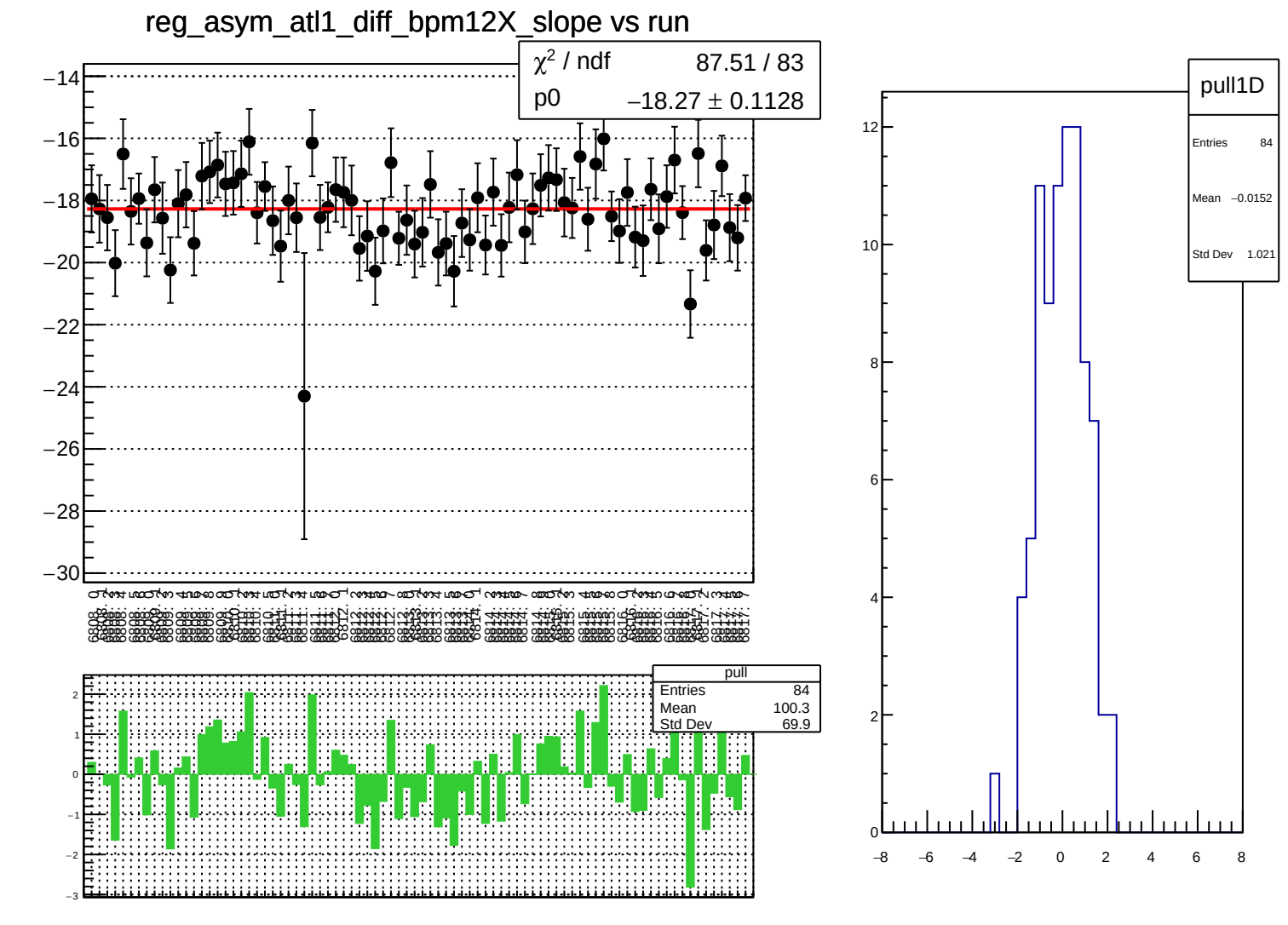

pull1D
Entries 84
Mean 0.02335
Std Dev 0.998

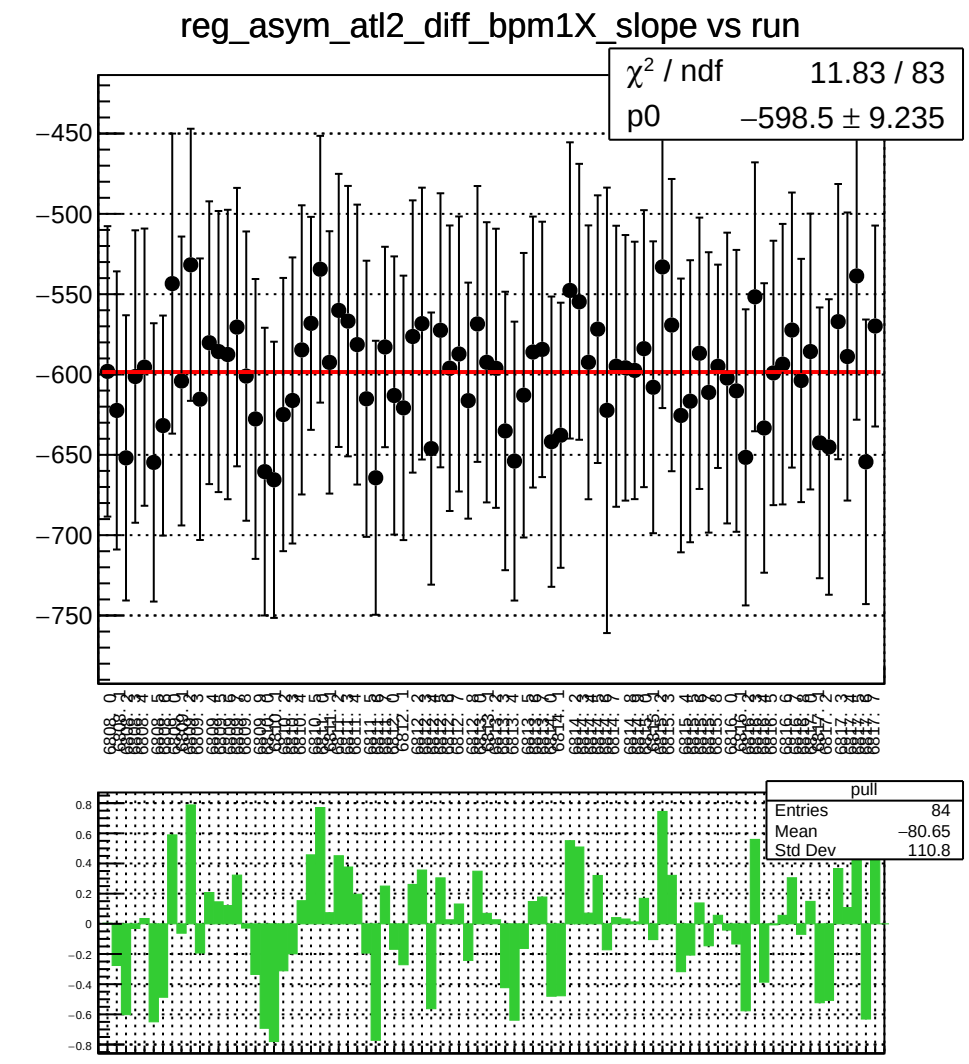

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 61.99 / 83
p0 8.392 ± 1.789
pull
Entries 84
Mean −244.9
Std Dev 288.1
pull1D
Entries 84
Mean −0.02409
Std Dev 0.8587

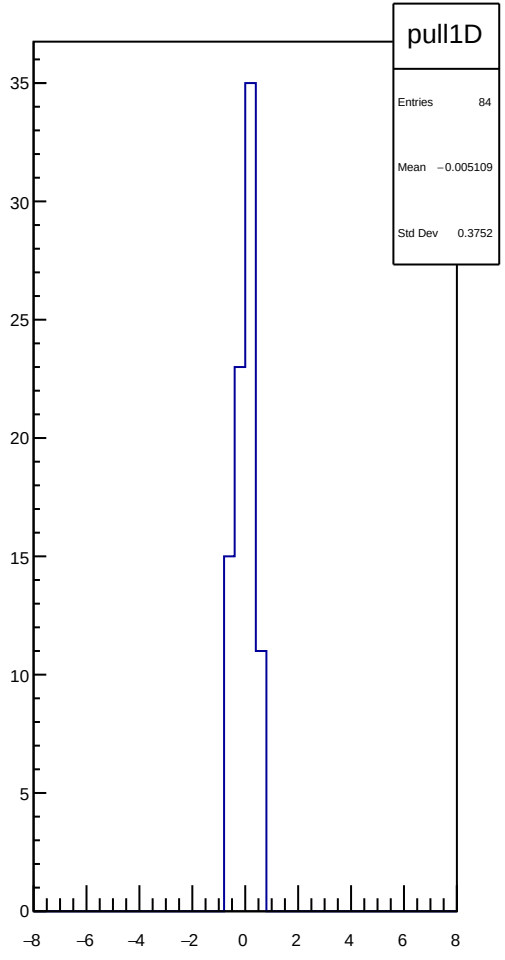

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 83.26 / 83
p0 61.18 ± 2.6
150
100
50
0
−50
pull
Entries 84
Mean −70.01
Std Dev 107.7
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.02336
Std Dev 0.9953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

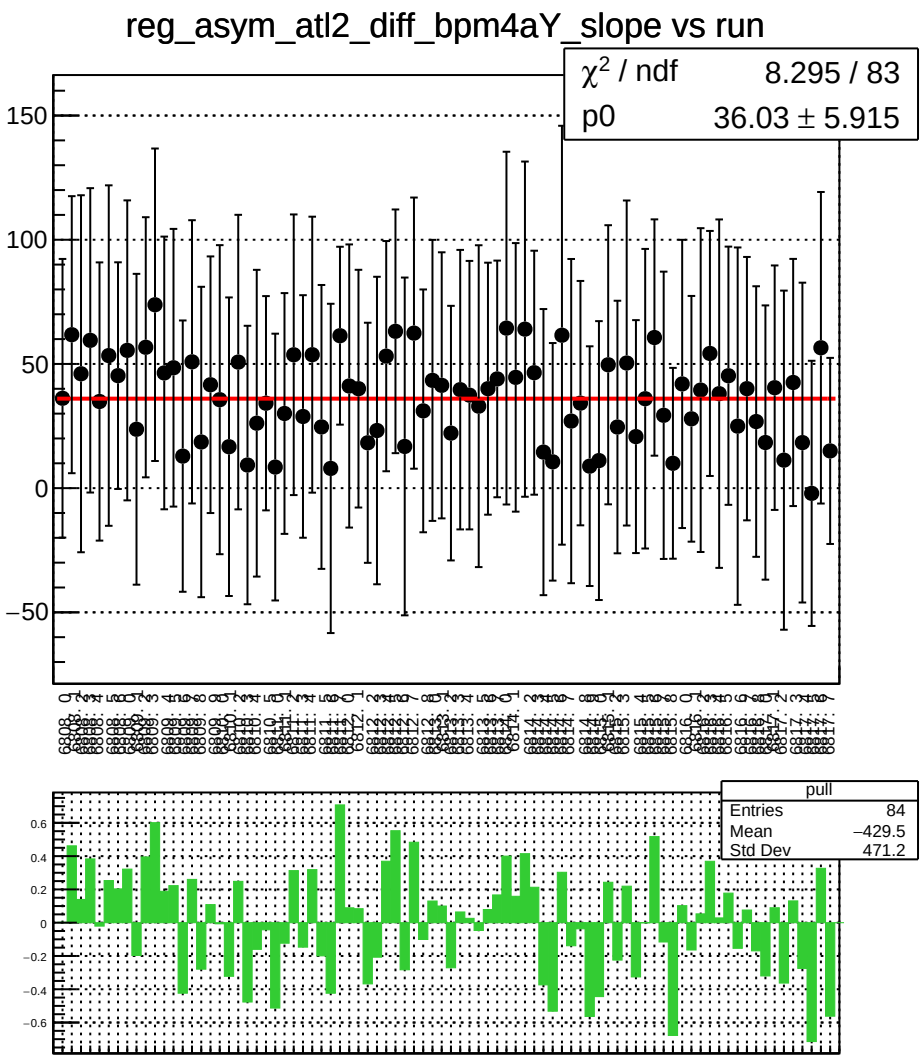

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 59.59 / 83
p0 −15.31 ± 2.158
250
200
150
100
50
0
−50
−100
pull
Entries 84
Mean −354.1
Std Dev 396.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

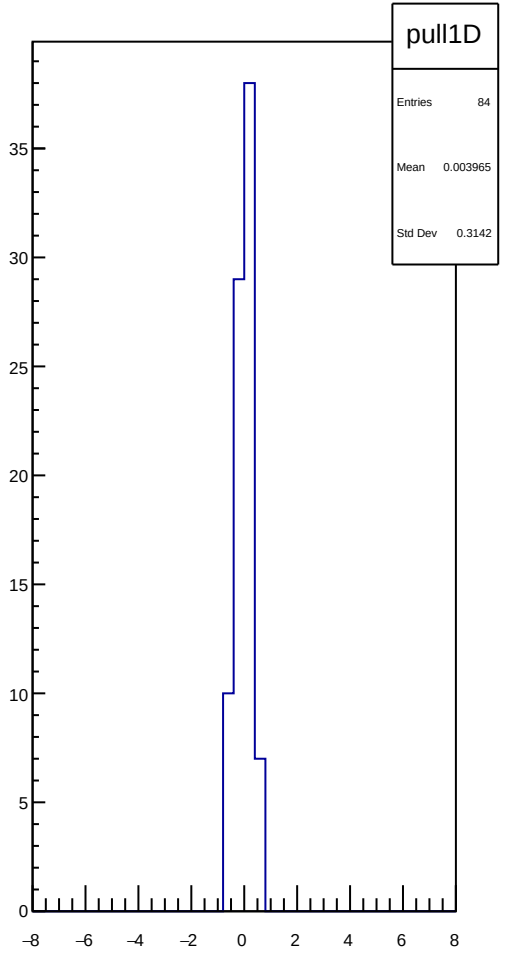

pull1D
Entries 84
Mean 0.01938
Std Dev 0.8421
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

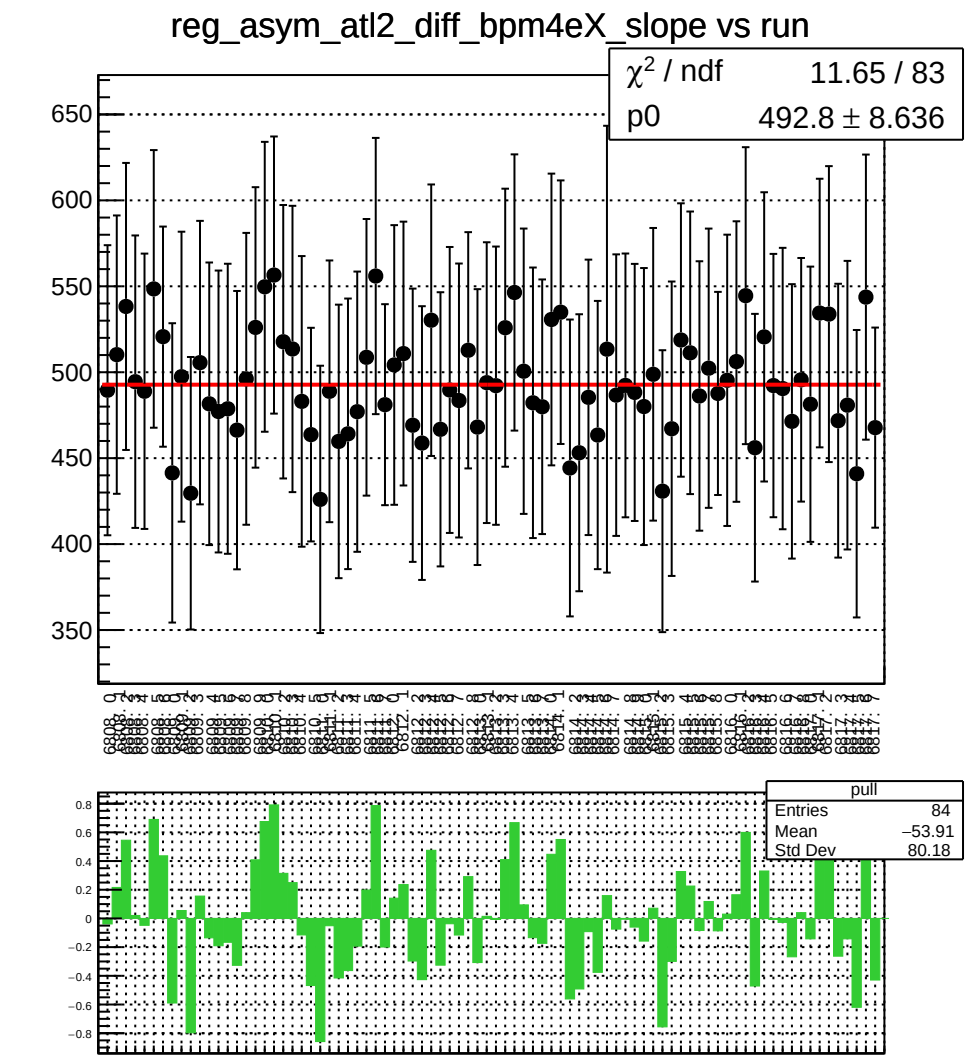

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 87.51 / 83
p0 −18.27 ± 0.1128
pull
Entries 84
Mean 100.3
Std Dev 69.9
pull1D
Entries 84
Mean −0.0152
Std Dev 1.021

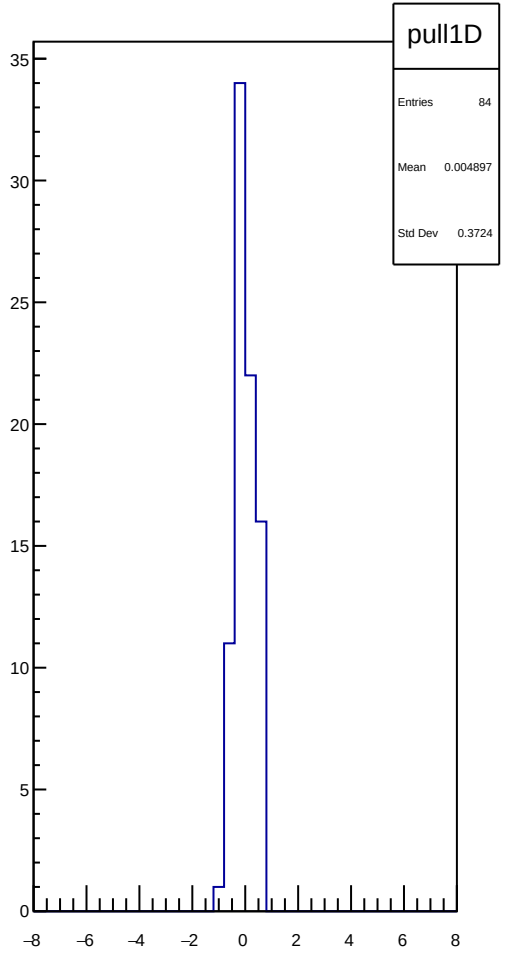

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 11.83 / 83
p0 −598.5 ± 9.235
−450
−500
−550
−600
−650
−700
−750
pull
Entries 84
Mean −80.65
Std Dev 110.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

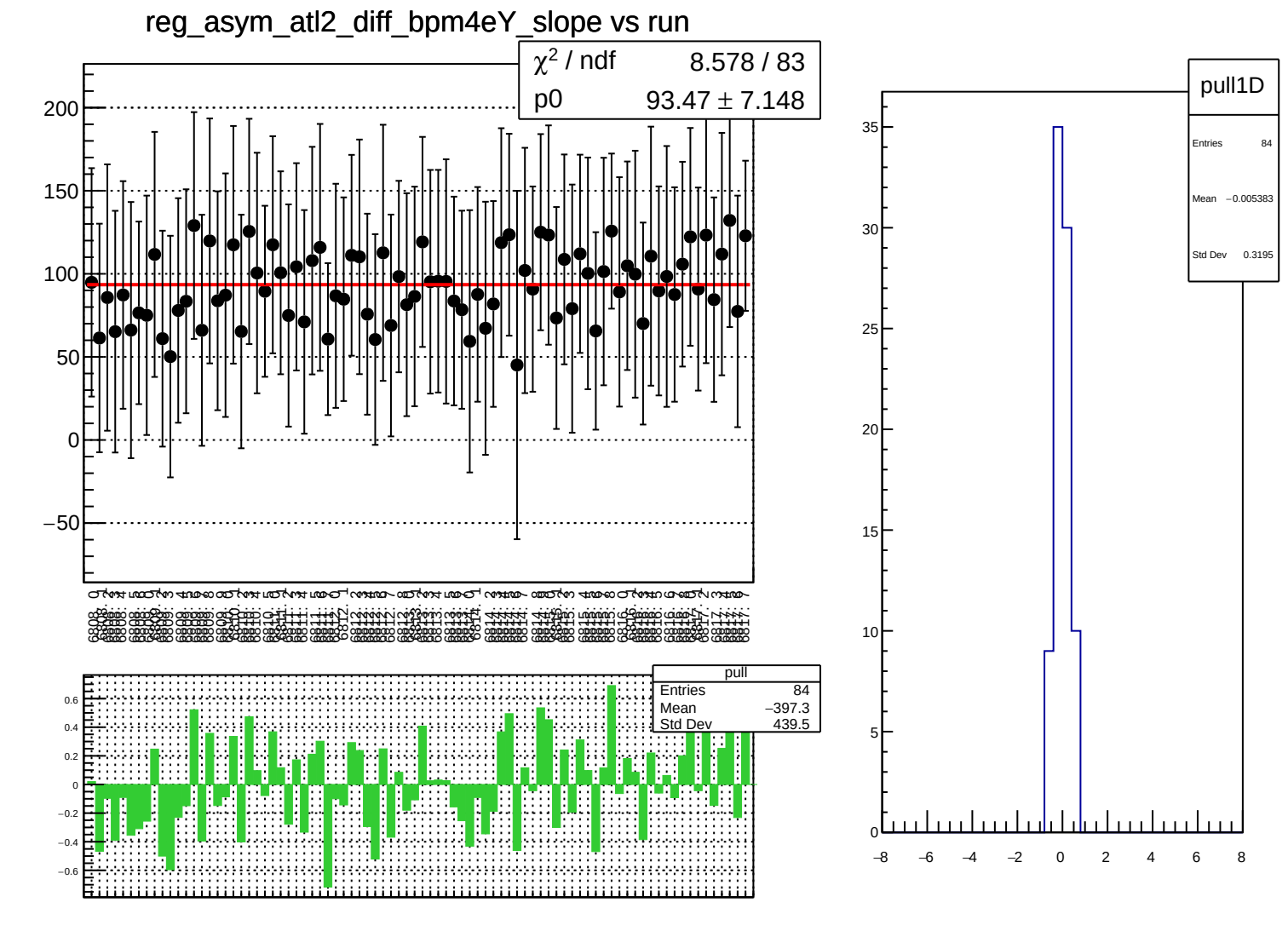

pull1D
Entries 84
Mean −0.005109
Std Dev 0.3752
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

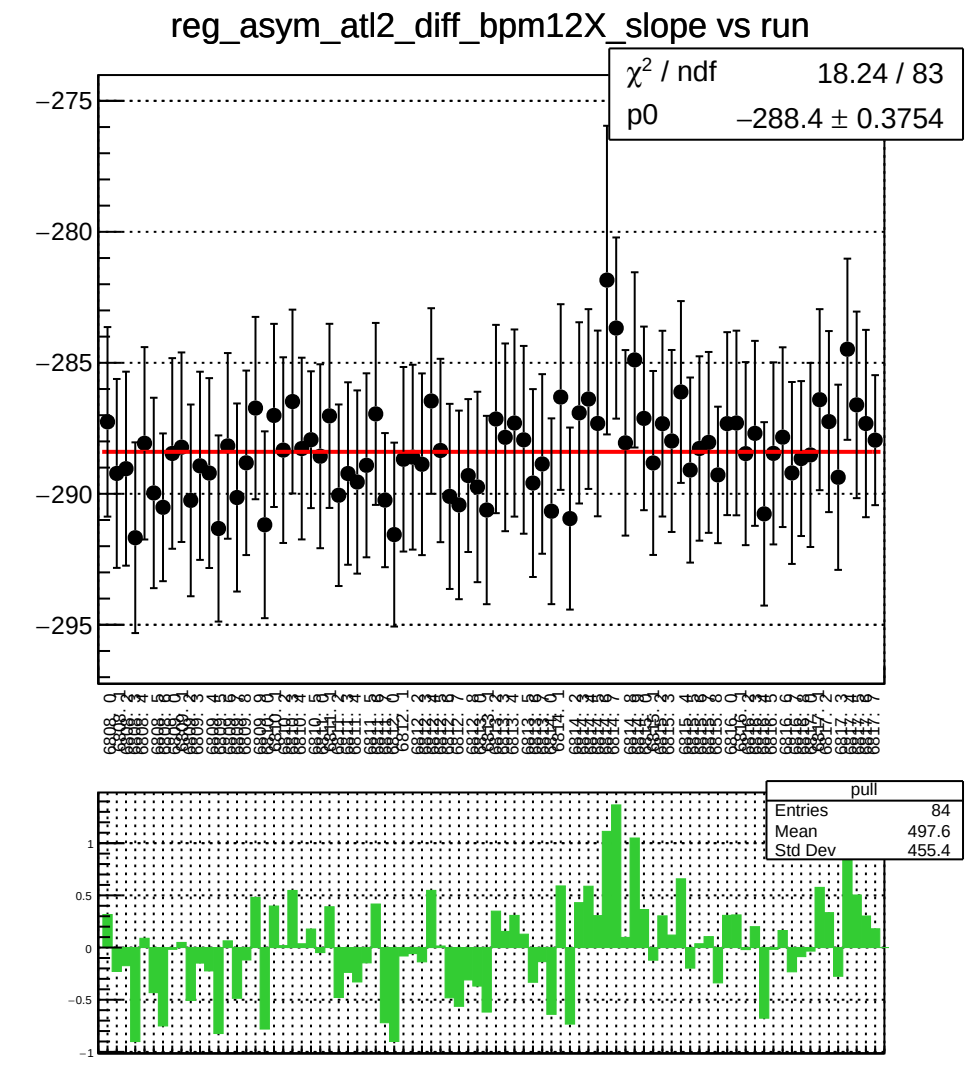

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 8.295 / 83
p0 36.03 ± 5.915
150
100
50
0
−50
pull
Entries 84
Mean −429.5
Std Dev 471.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

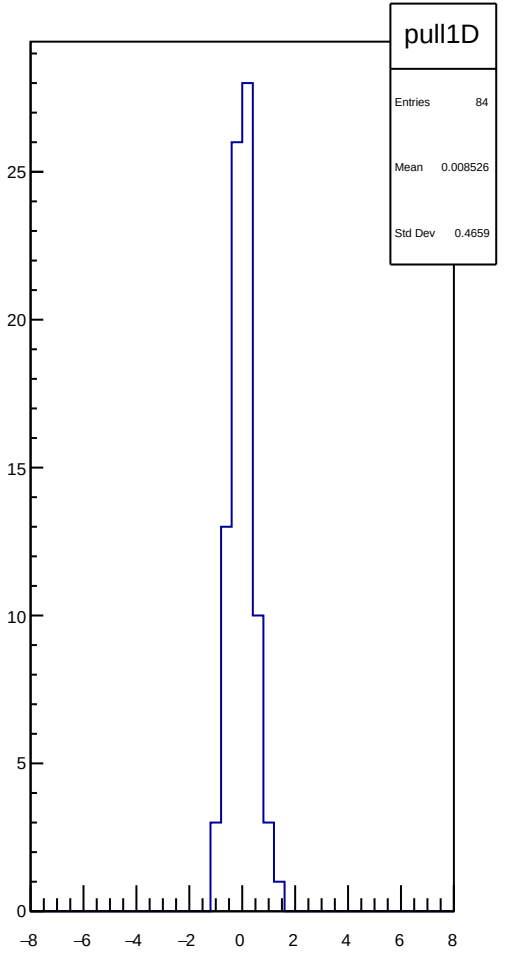

pull1D
Entries 84
Mean 0.003965
Std Dev 0.3142
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

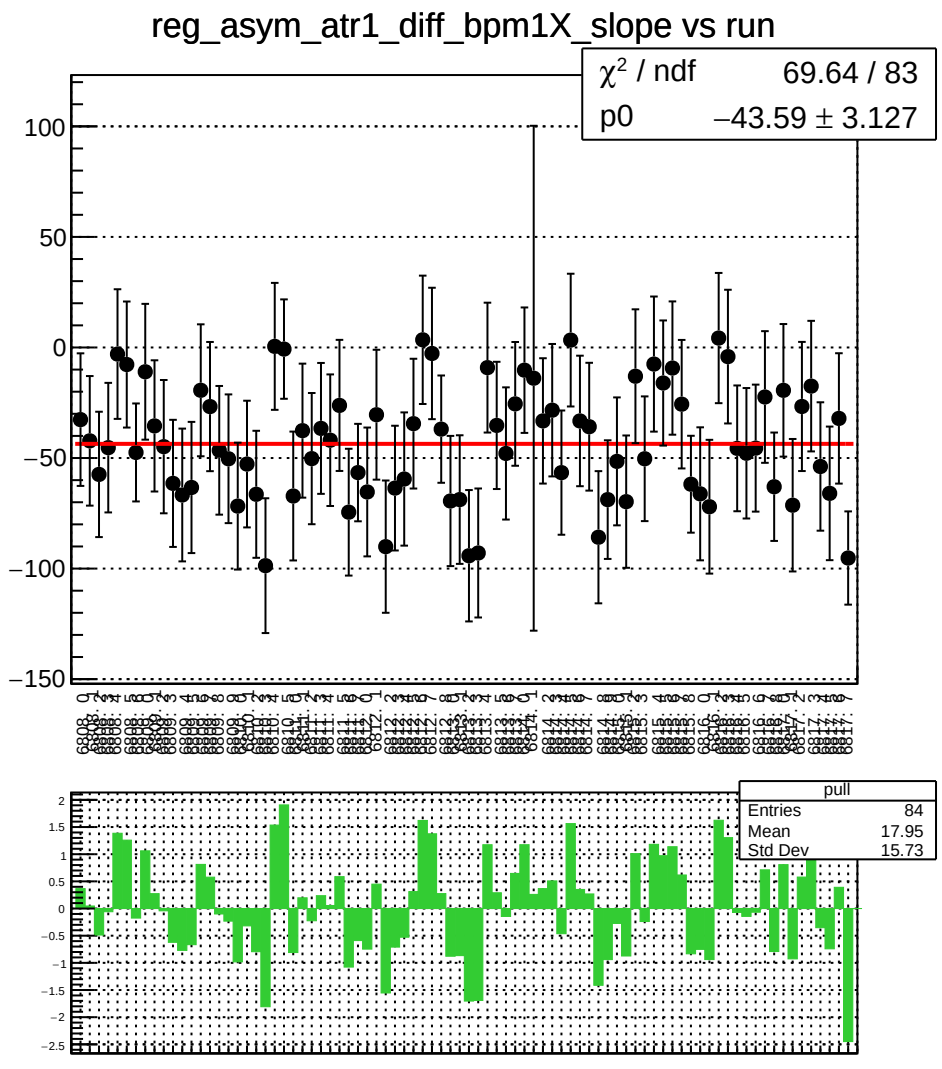

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 11.65 / 83
p0 492.8 ± 8.636
650
600
550
500
450
400
350
pull
Entries 84
Mean −53.91
Std Dev 80.18
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

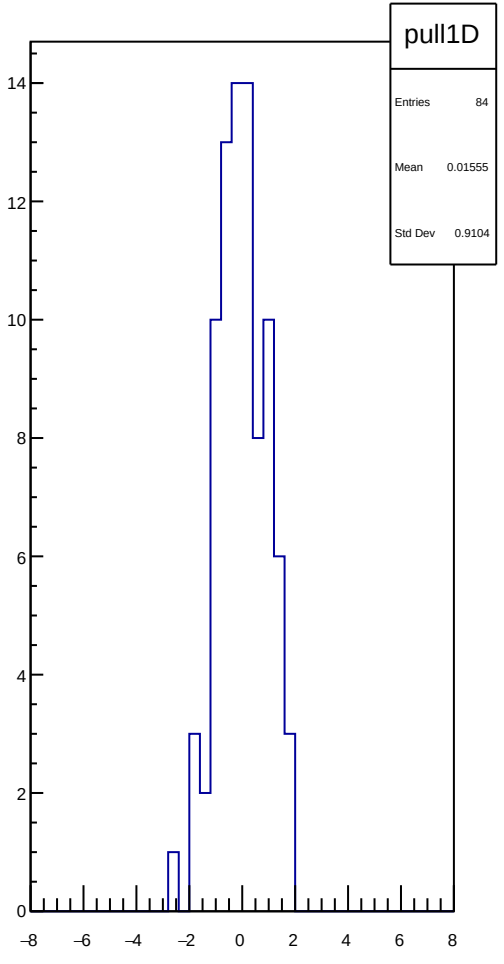

pull1D
Entries 84
Mean 0.004897
Std Dev 0.3724
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

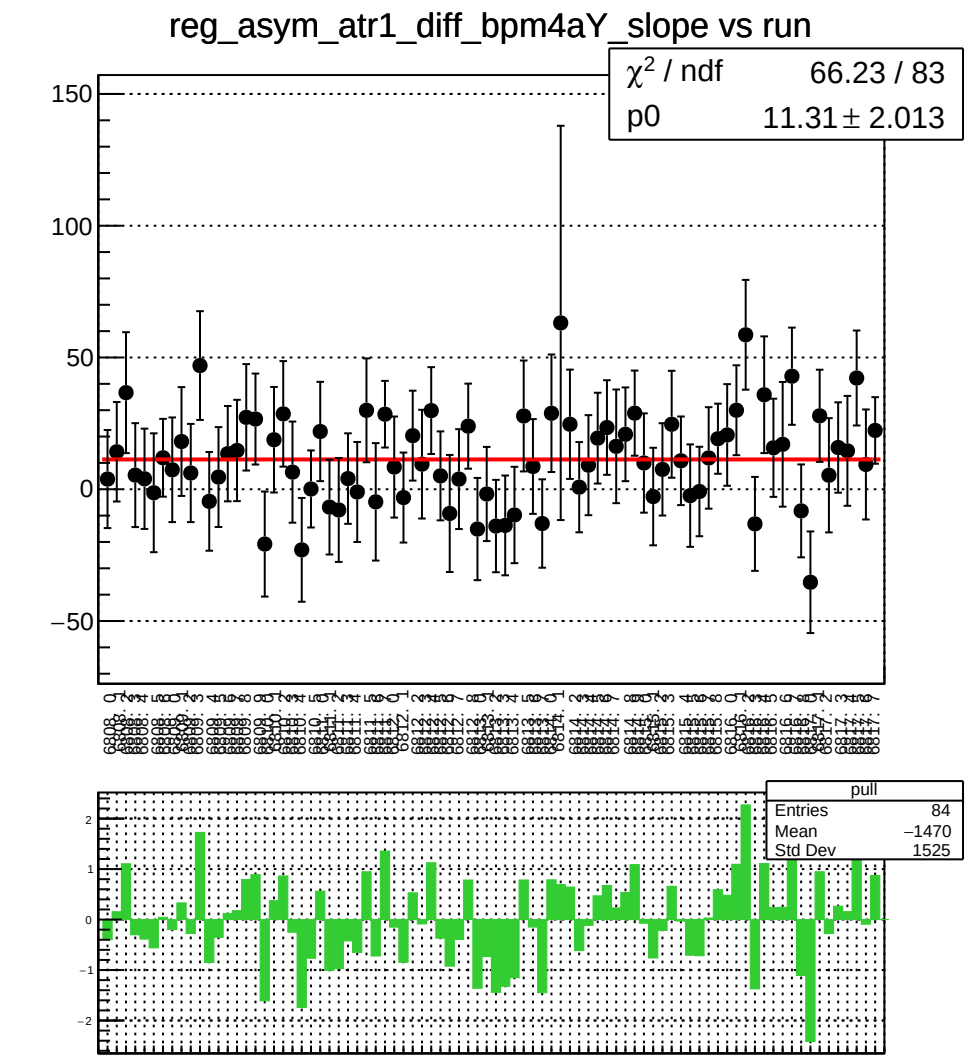

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 8.578 / 83
p0 93.47 ± 7.148
200
150
100
50
0
−50
pull
Entries 84
Mean −397.3
Std Dev 439.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 84
Mean −0.005383
Std Dev 0.3195
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

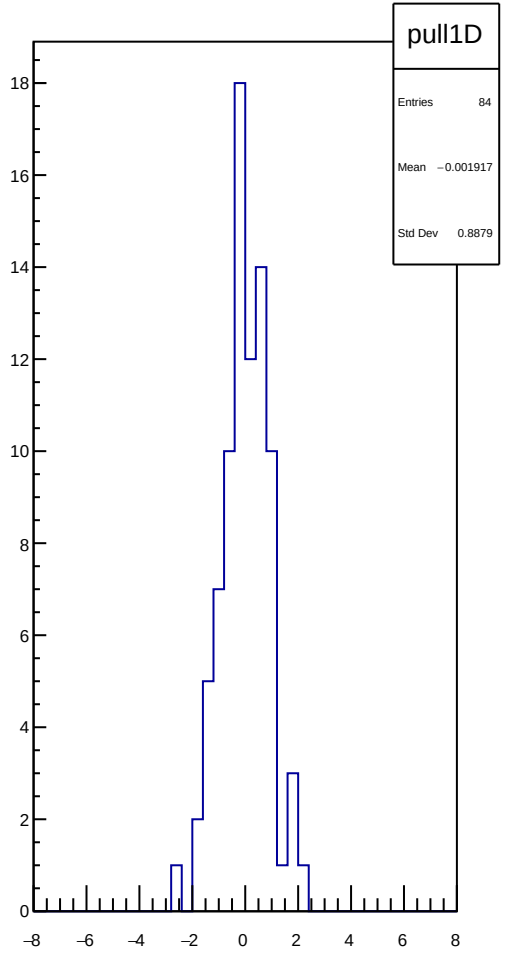

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 18.24 / 83
p0 −288.4 ± 0.3754
−275
−280
−285
−290
−295
pull
Entries 84
Mean 497.6
Std Dev 455.4
1
0.5
0
−0.5
−1

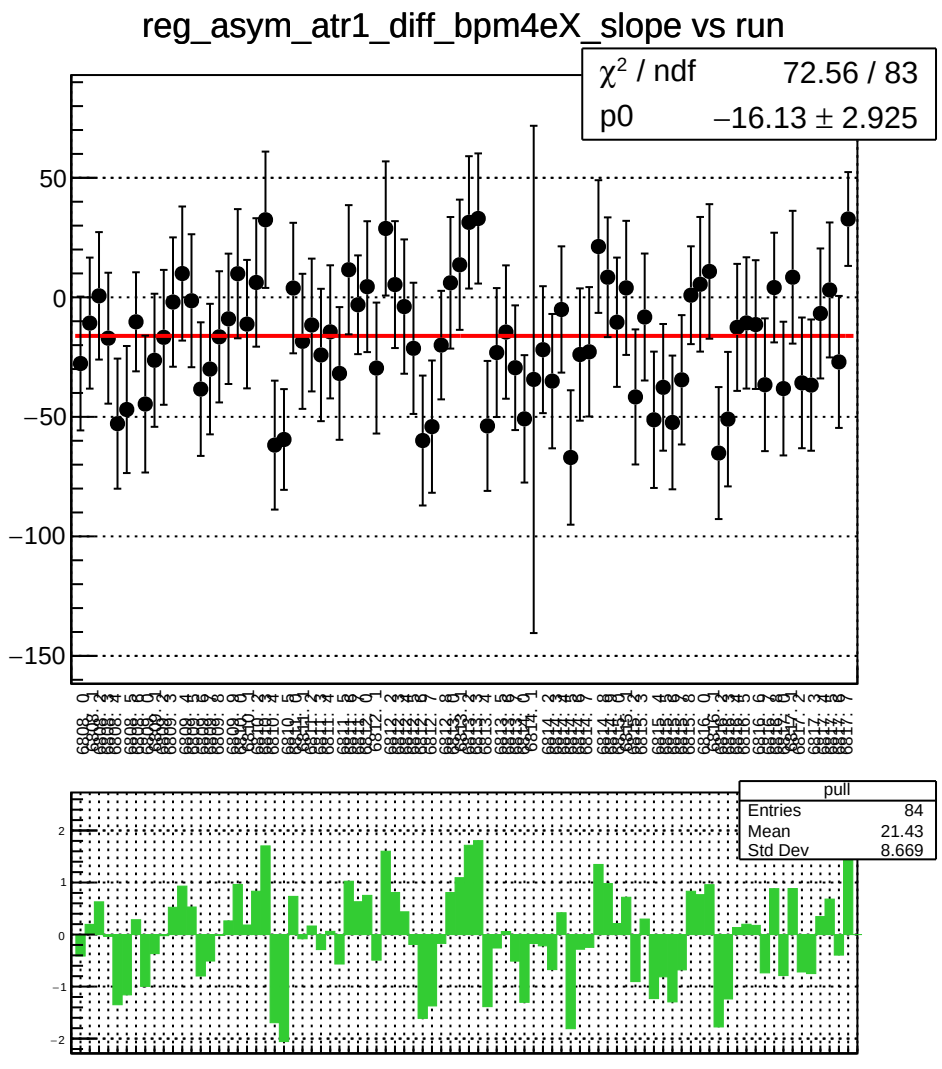

pull1D
Entries 84
Mean 0.008526
Std Dev 0.4659
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

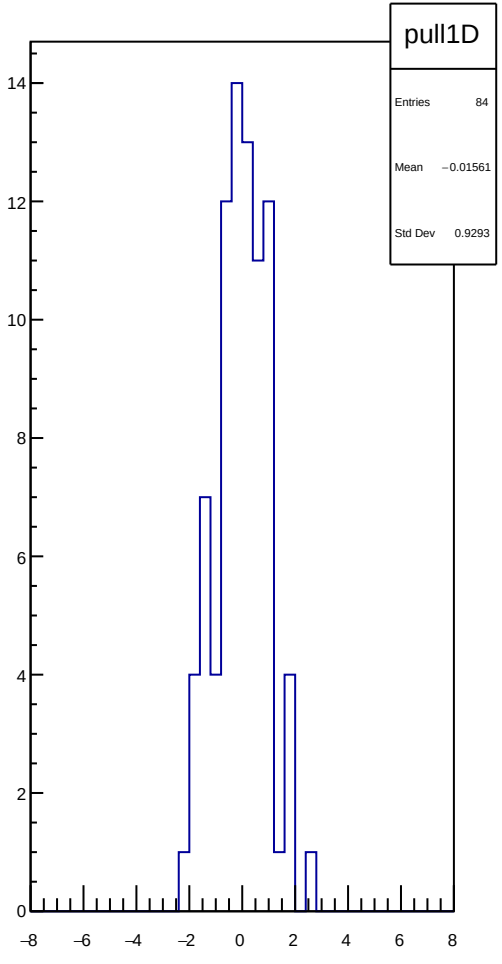

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 69.64 / 83
p0 −43.59 ± 3.127
pull
Entries 84
Mean 17.95
Std Dev 15.73

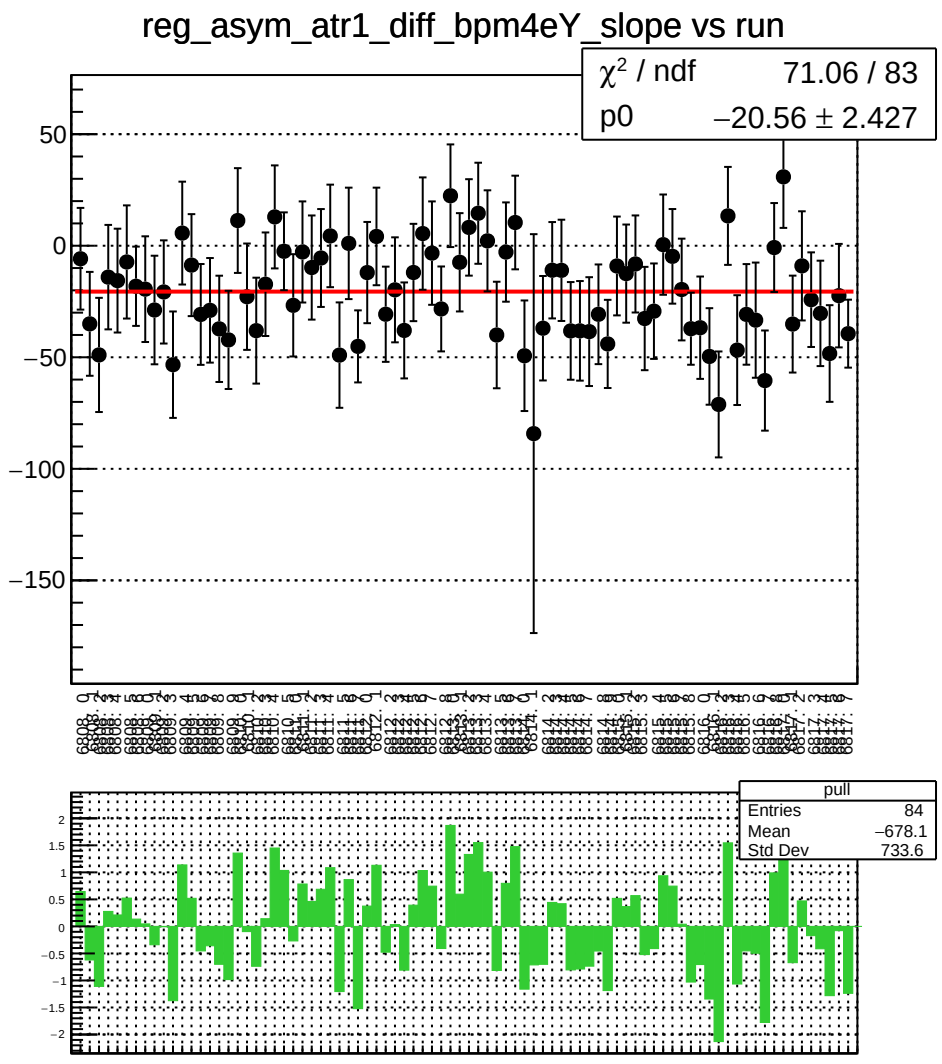

pull1D
Entries 84
Mean 0.01555
Std Dev 0.9104

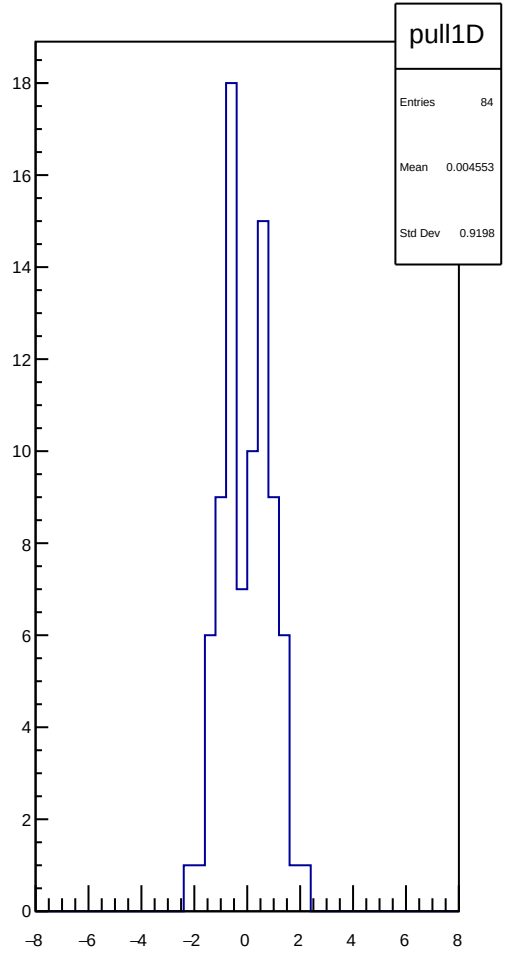

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 66.23 / 83
p0 11.31 ± 2.013
150
100
50
0
−50
pull
Entries 84
Mean −1470
Std Dev 1525
2
1
0
−1
−2

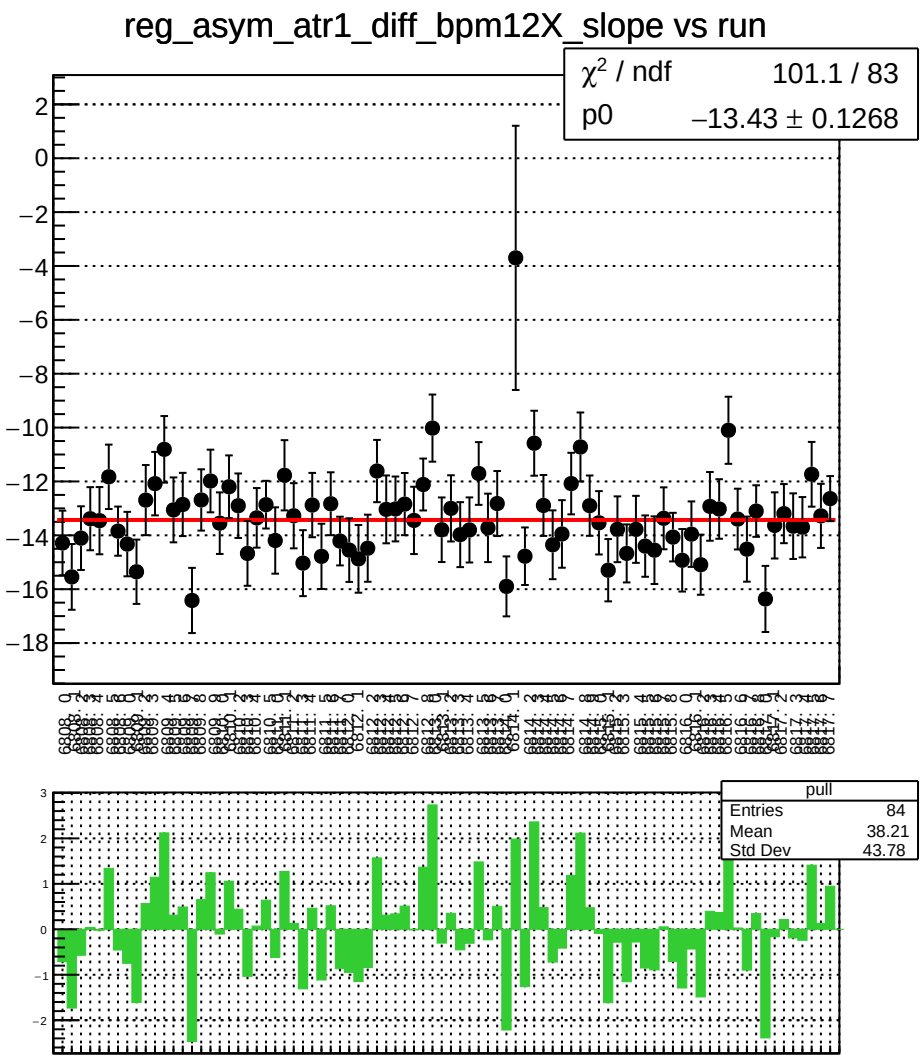

pull1D
Entries 84
Mean −0.001917
Std Dev 0.8879
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

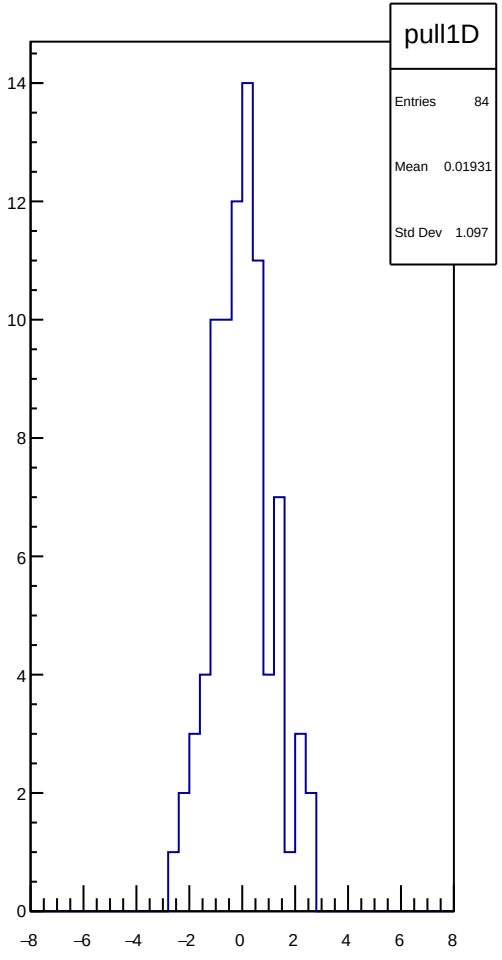

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 72.56 / 83
p0 −16.13 ± 2.925
50
0
−50
−100
−150
pull
Entries 84
Mean 21.43
Std Dev 8.669
2
1
0
−1
−2

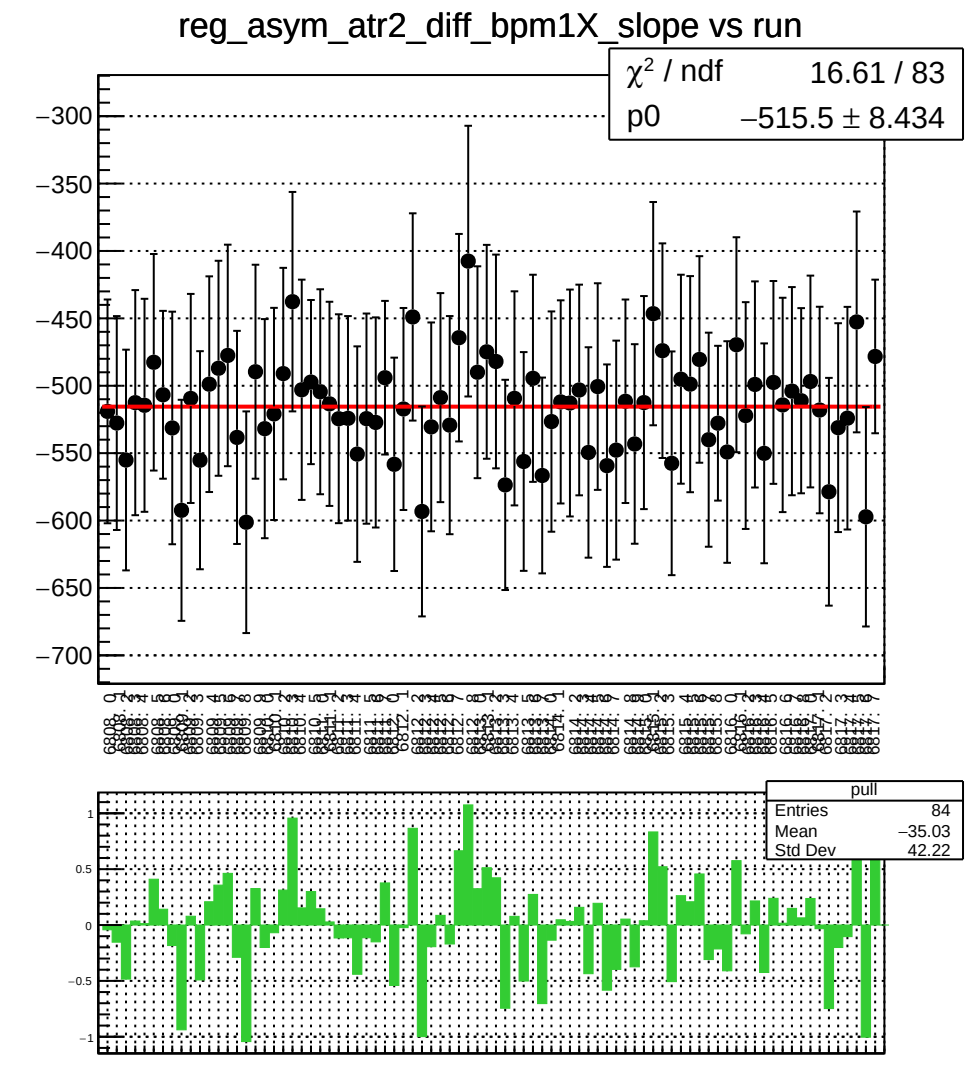

pull1D
Entries 84
Mean −0.01561
Std Dev 0.9293
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

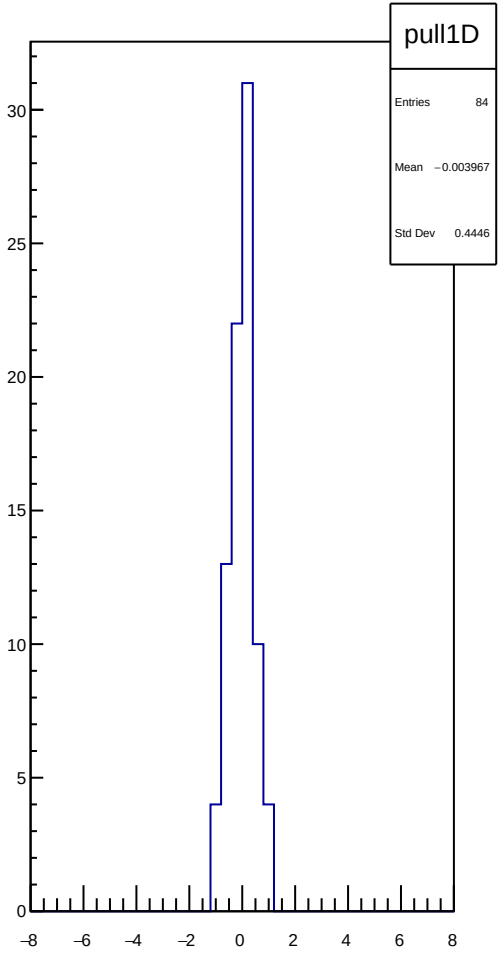

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 71.06 / 83
p0 −20.56 ± 2.427
50
0
−50
−100
−150
pull
Entries 84
Mean −678.1
Std Dev 733.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

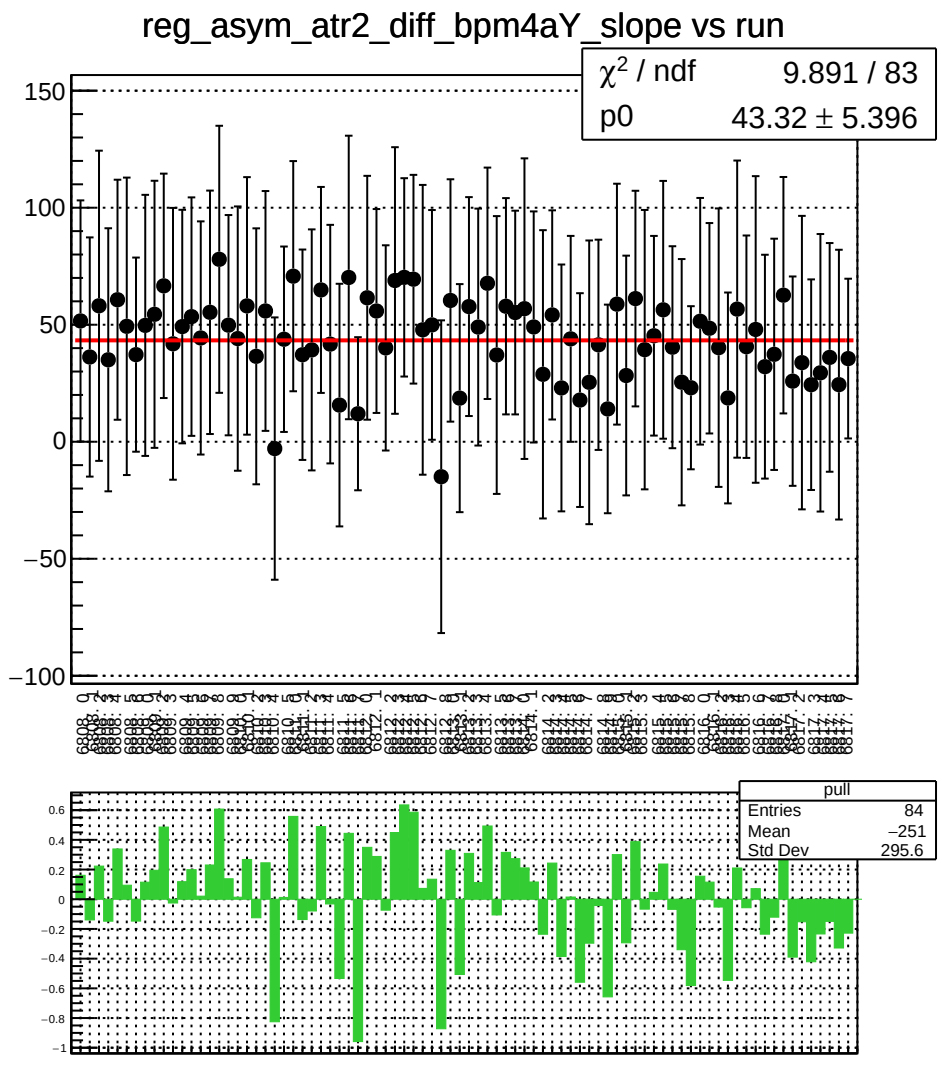

pull1D
Entries 84
Mean 0.004553
Std Dev 0.9198
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

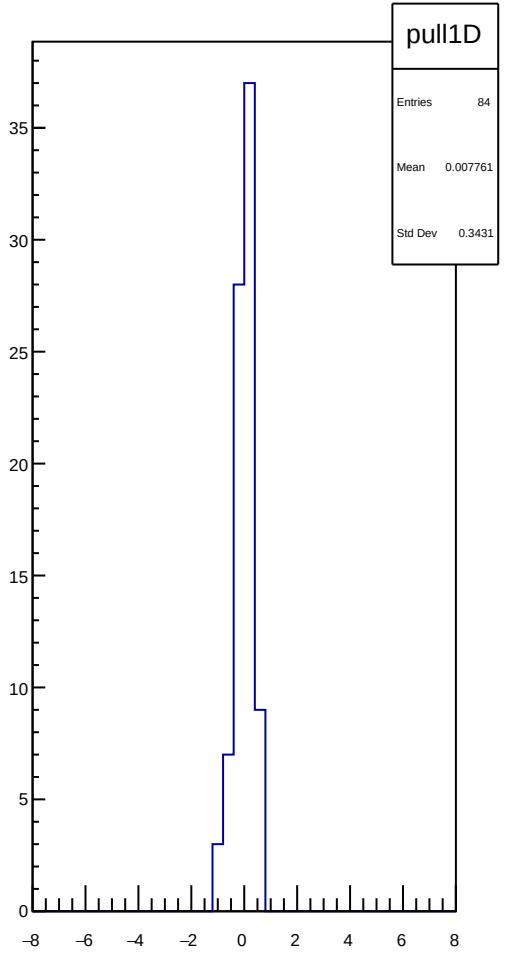

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 101.1 / 83
p0 −13.43 ± 0.1268
pull
Entries 84
Mean 38.21
Std Dev 43.78

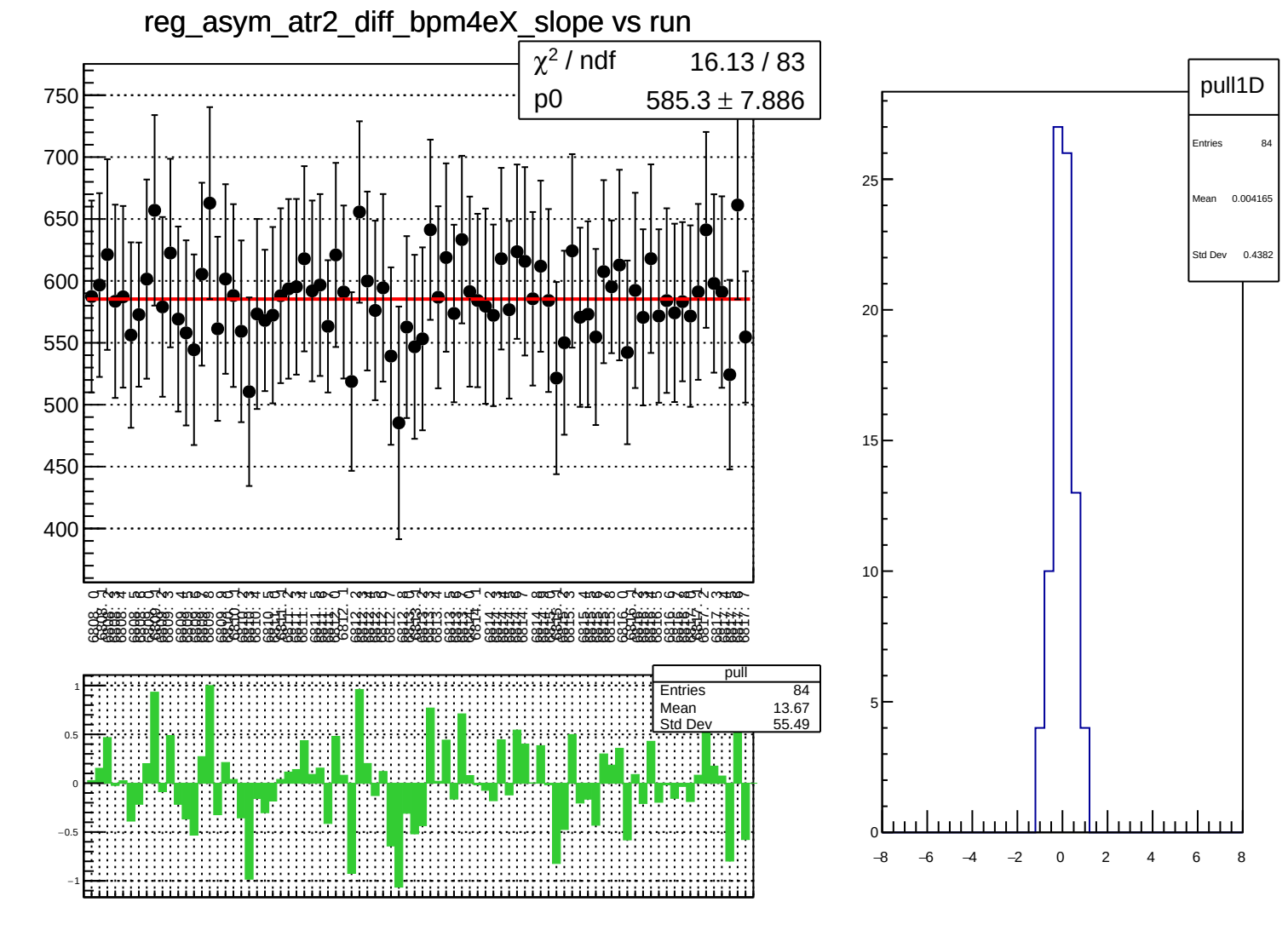

pull1D
Entries 84
Mean 0.01931
Std Dev 1.097

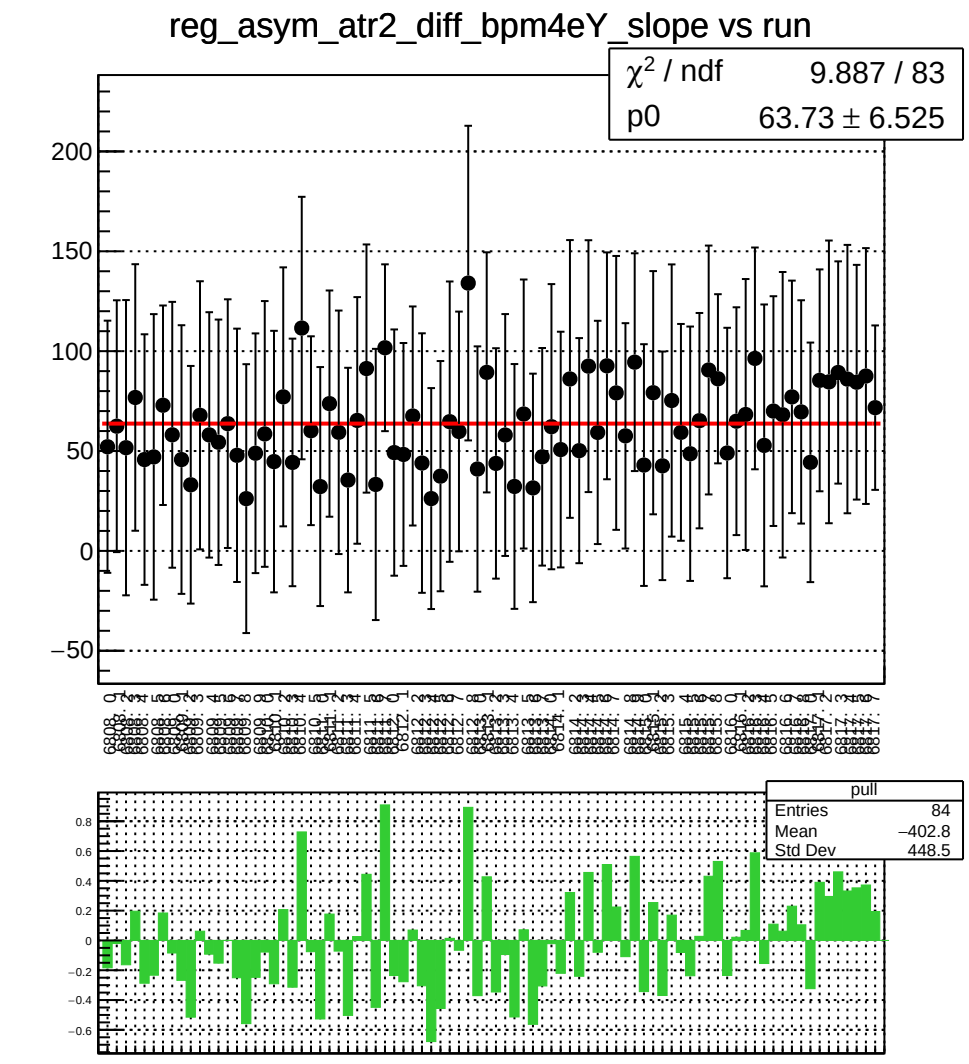

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 16.61 / 83
p0 −515.5 ± 8.434
pull
Entries 84
Mean −35.03
Std Dev 42.22

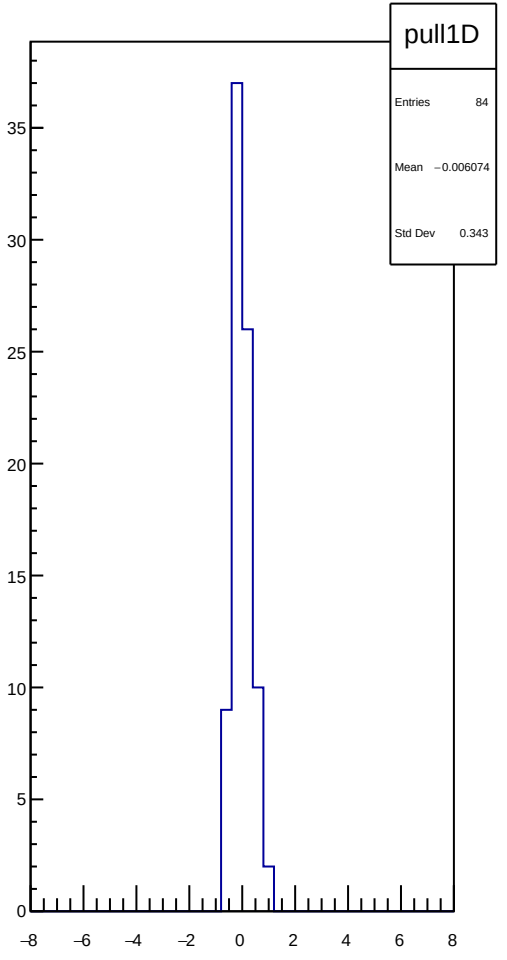

pull1D
Entries 84
Mean −0.003967
Std Dev 0.4446

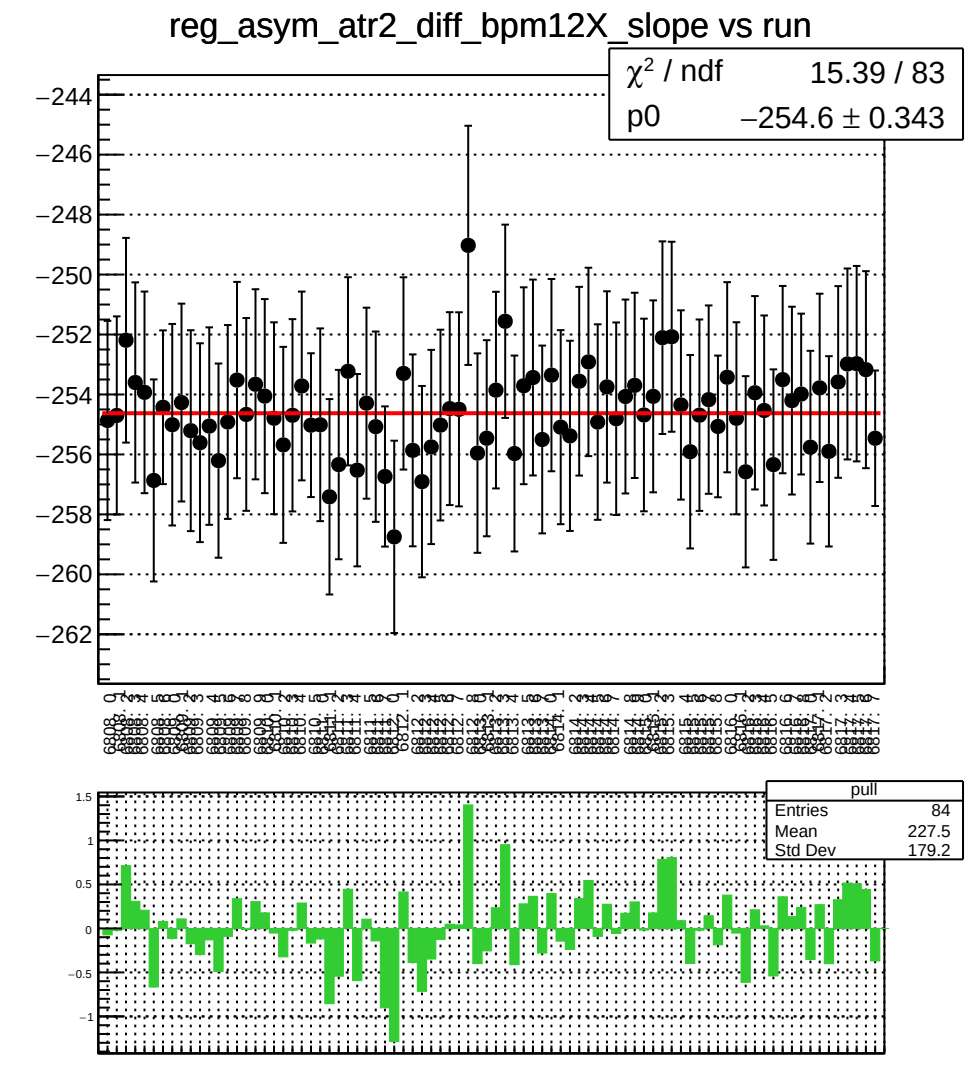

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 9.891 / 83
p0 43.32 ± 5.396
150
100
50
0
−50
−100
pull
Entries 84
Mean −251
Std Dev 295.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

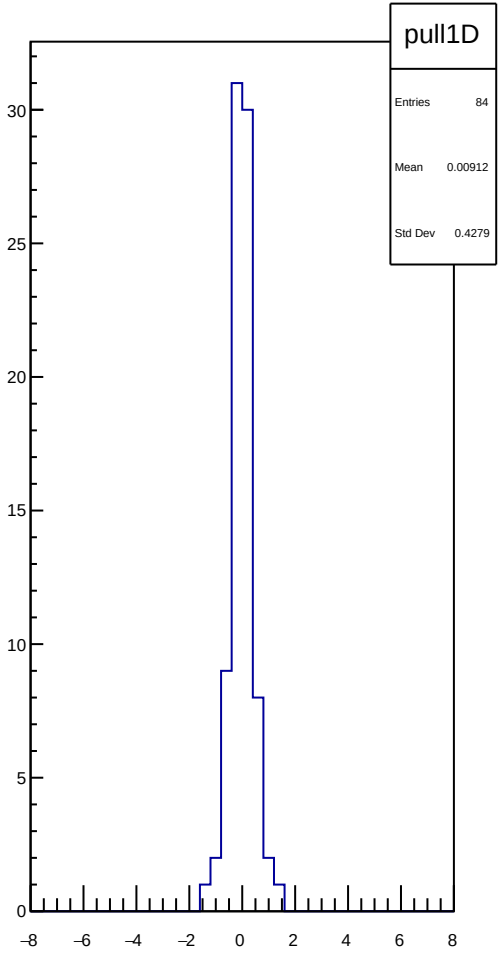

pull1D
Entries 84
Mean 0.007761
Std Dev 0.3431
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

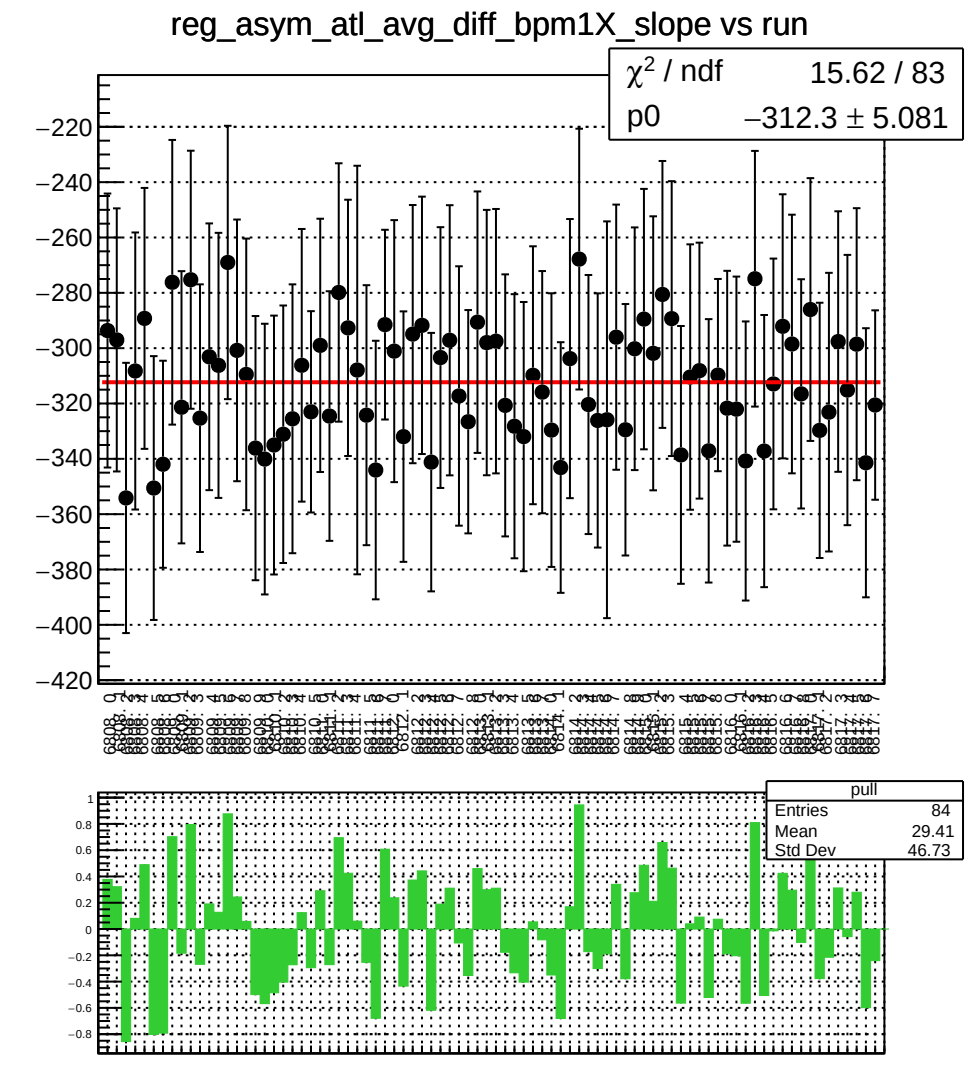

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 16.13 / 83
p0 585.3 ± 7.886
750
700
650
600
550
500
450
400
pull
Entries 84
Mean 13.67
Std Dev 55.49
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean 0.004165
Std Dev 0.4382
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

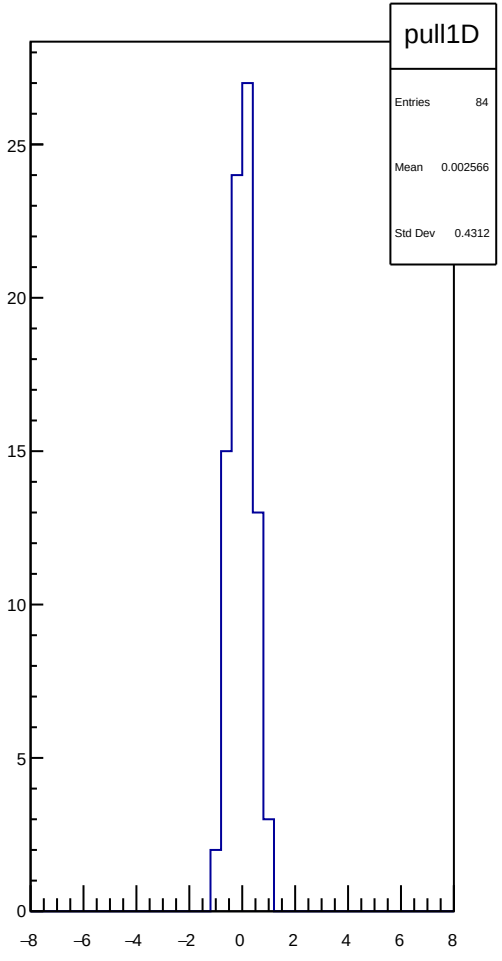

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 9.887 / 83
p0 63.73 ± 6.525
200
150
100
50
0
−50
pull
Entries 84
Mean −402.8
Std Dev 448.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

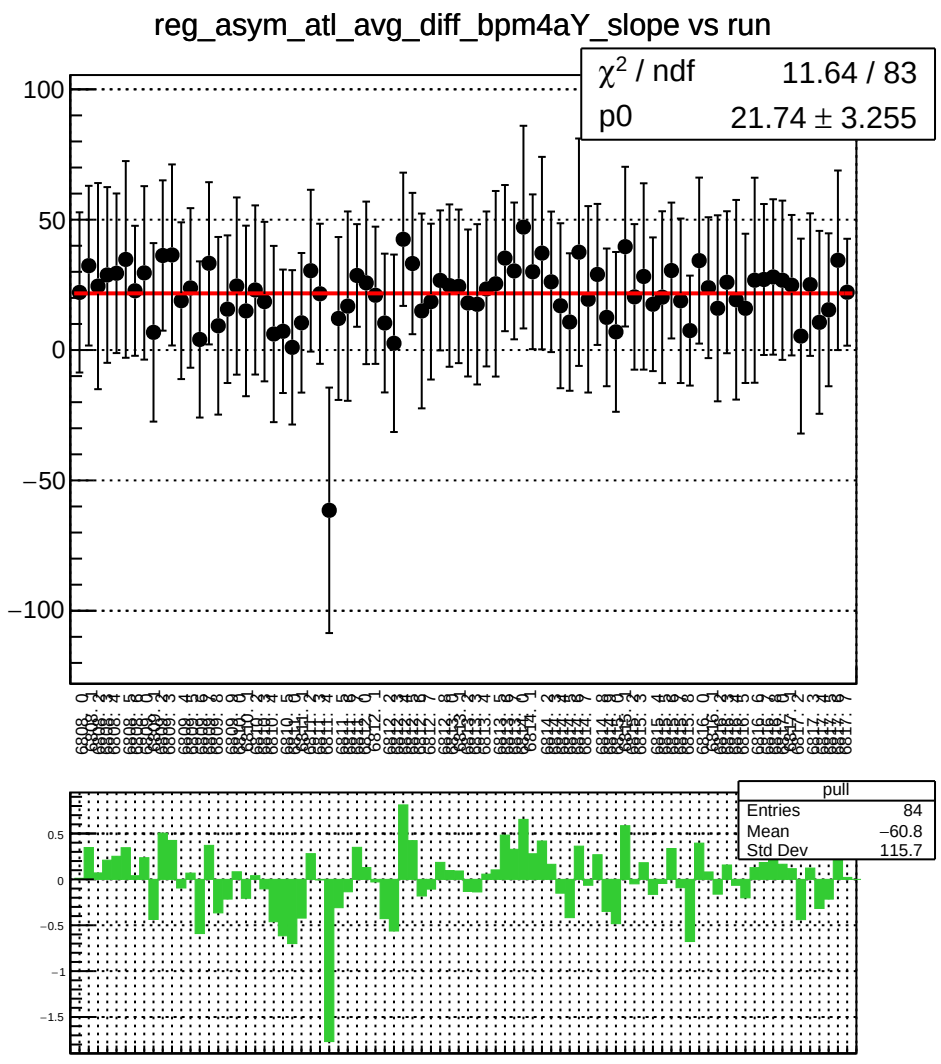

pull1D
Entries 84
Mean −0.006074
Std Dev 0.343
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

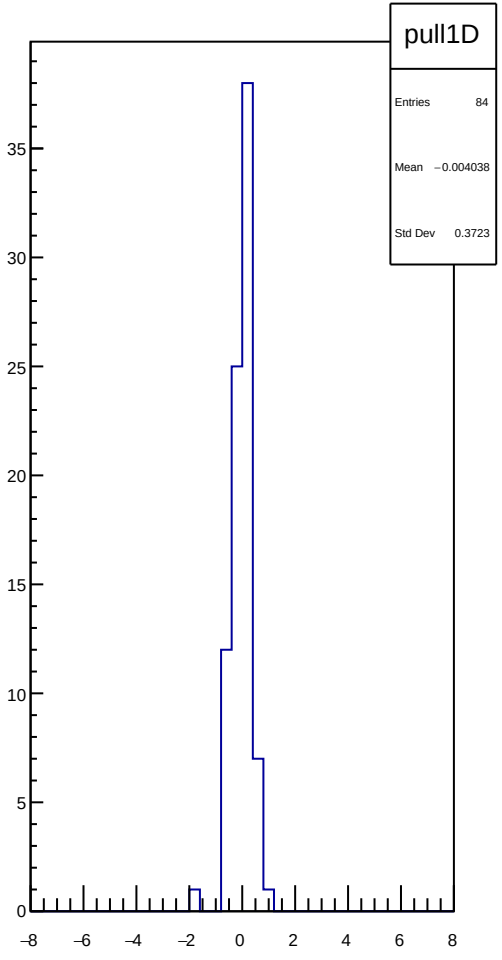

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 15.39 / 83
p0 −254.6 ± 0.343
pull
Entries 84
Mean 227.5
Std Dev 179.2

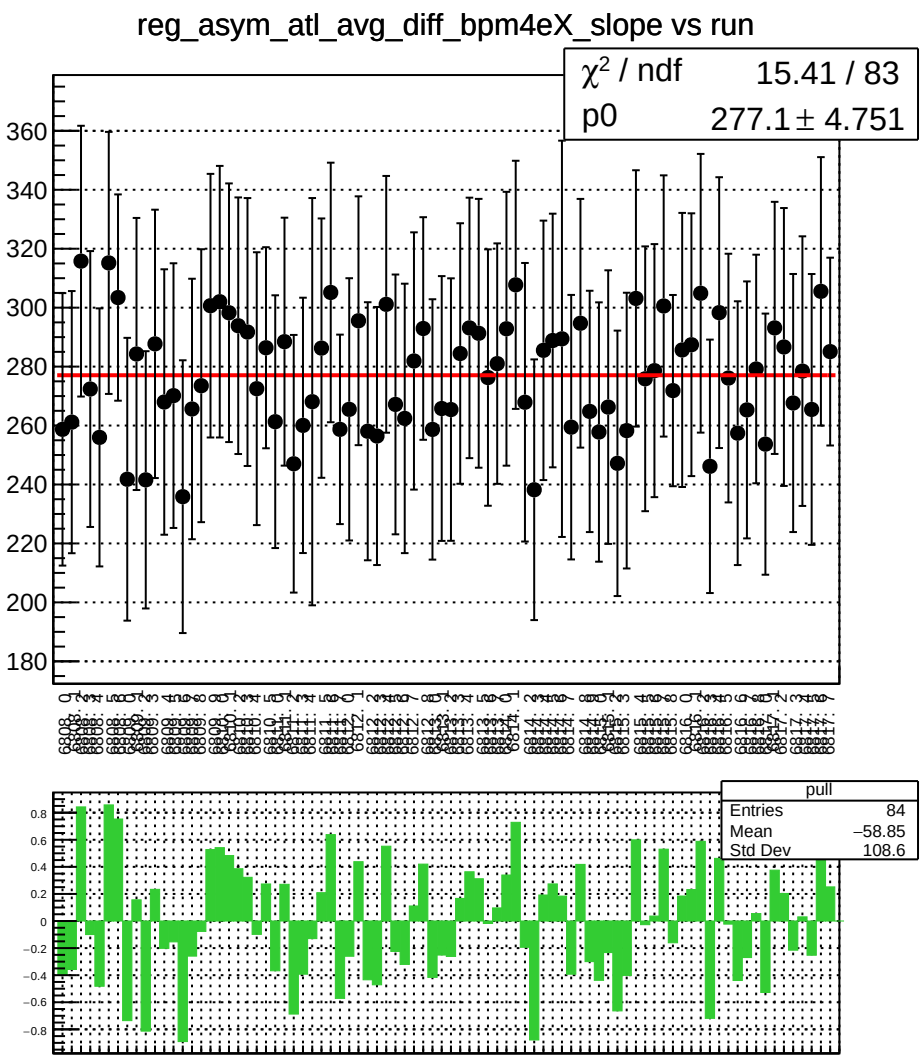

pull1D
Entries 84
Mean 0.00912
Std Dev 0.4279

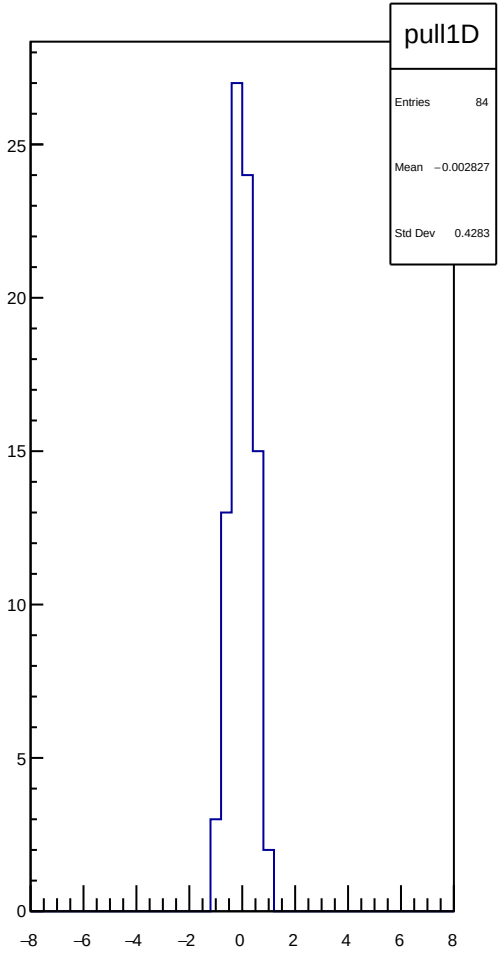

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 15.62 / 83
p0 −312.3 ± 5.081
pull
Entries 84
Mean 29.41
Std Dev 46.73

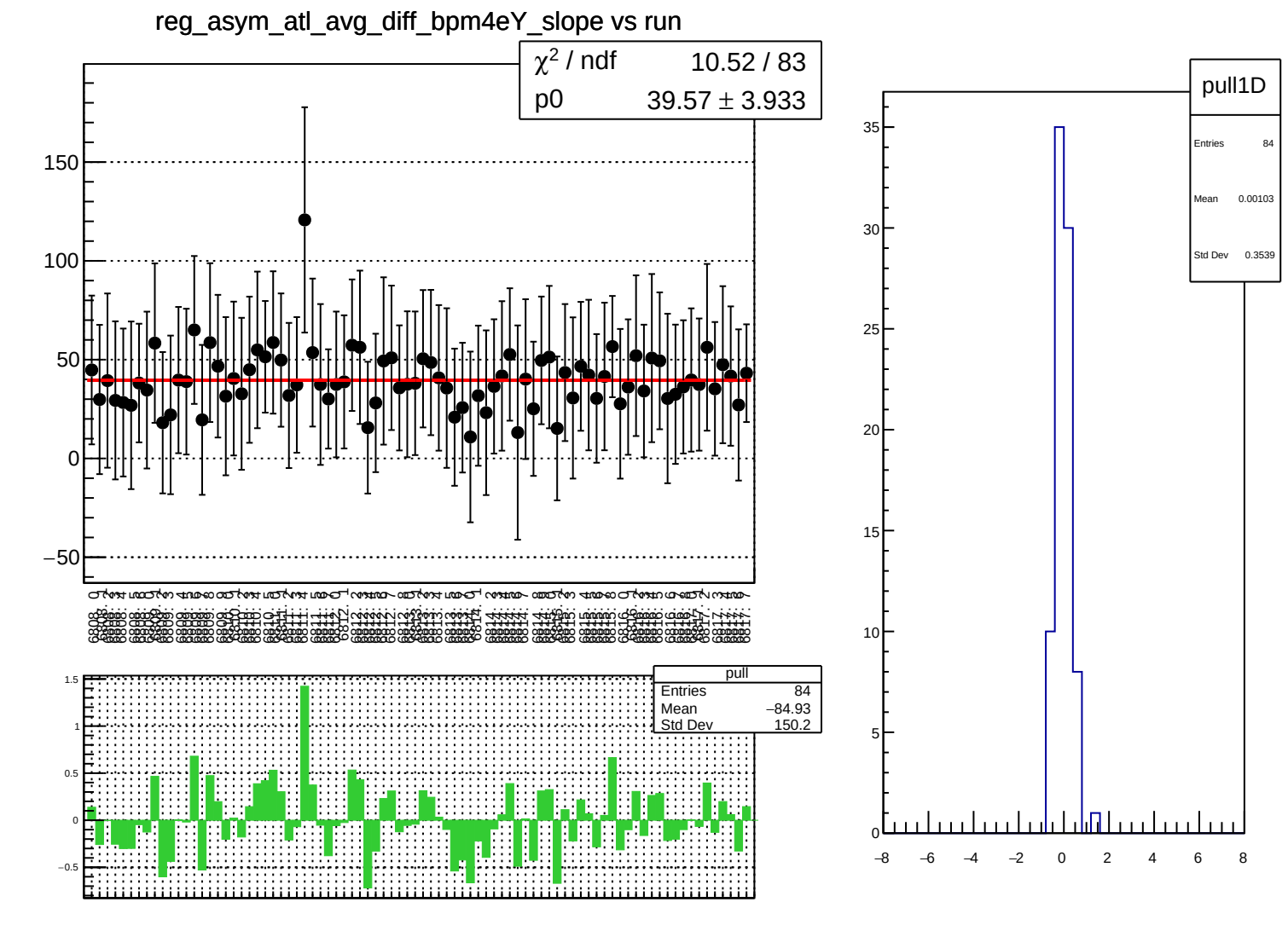

pull1D
Entries 84
Mean 0.002566
Std Dev 0.4312

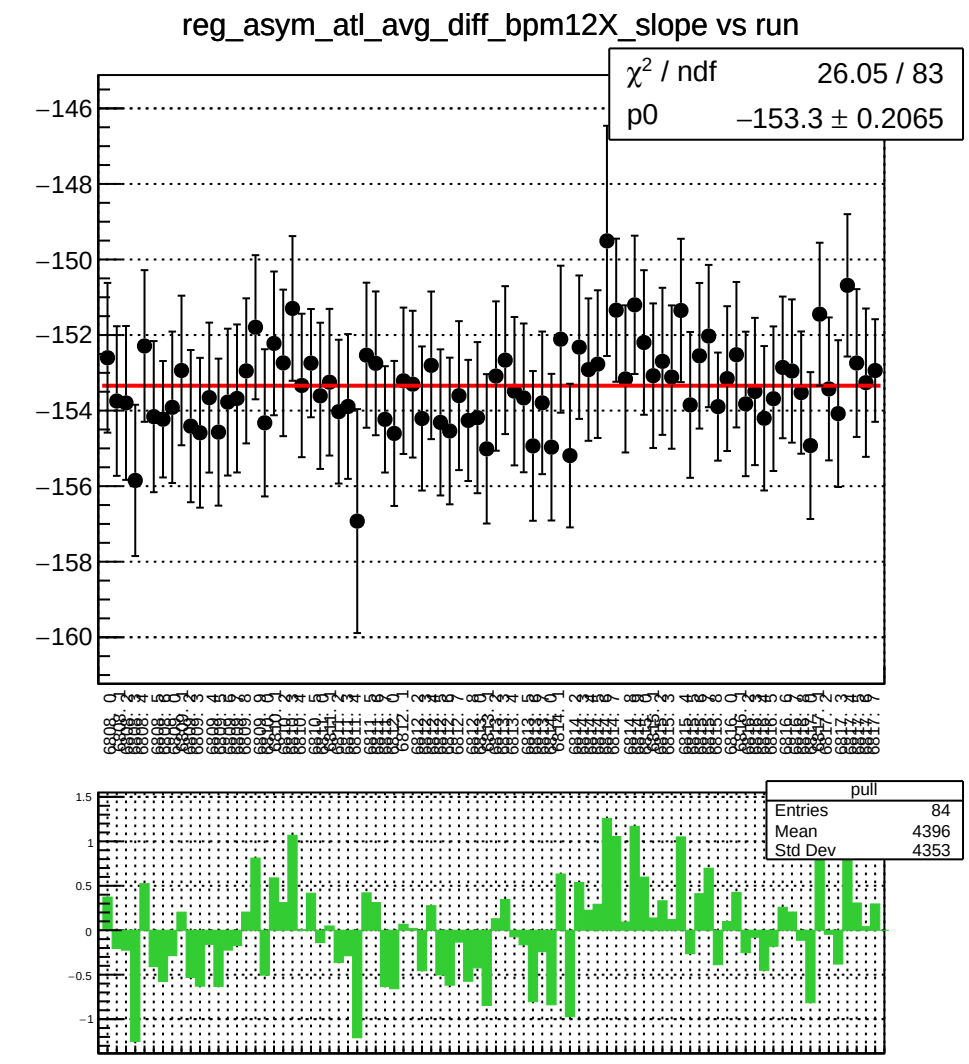

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.64 / 83
p0 21.74 ± 3.255
pull
Entries 84
Mean −60.8
Std Dev 115.7

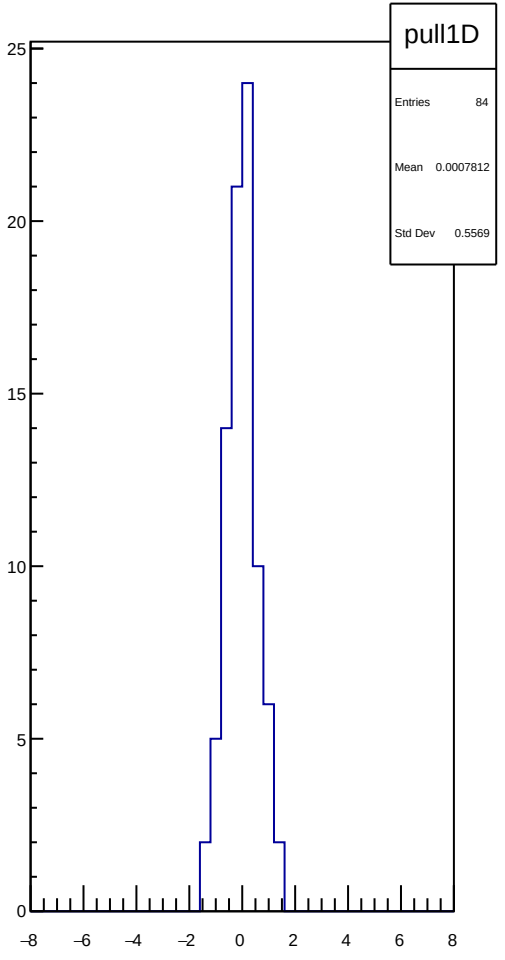

pull1D
Entries 84
Mean −0.004038
Std Dev 0.3723

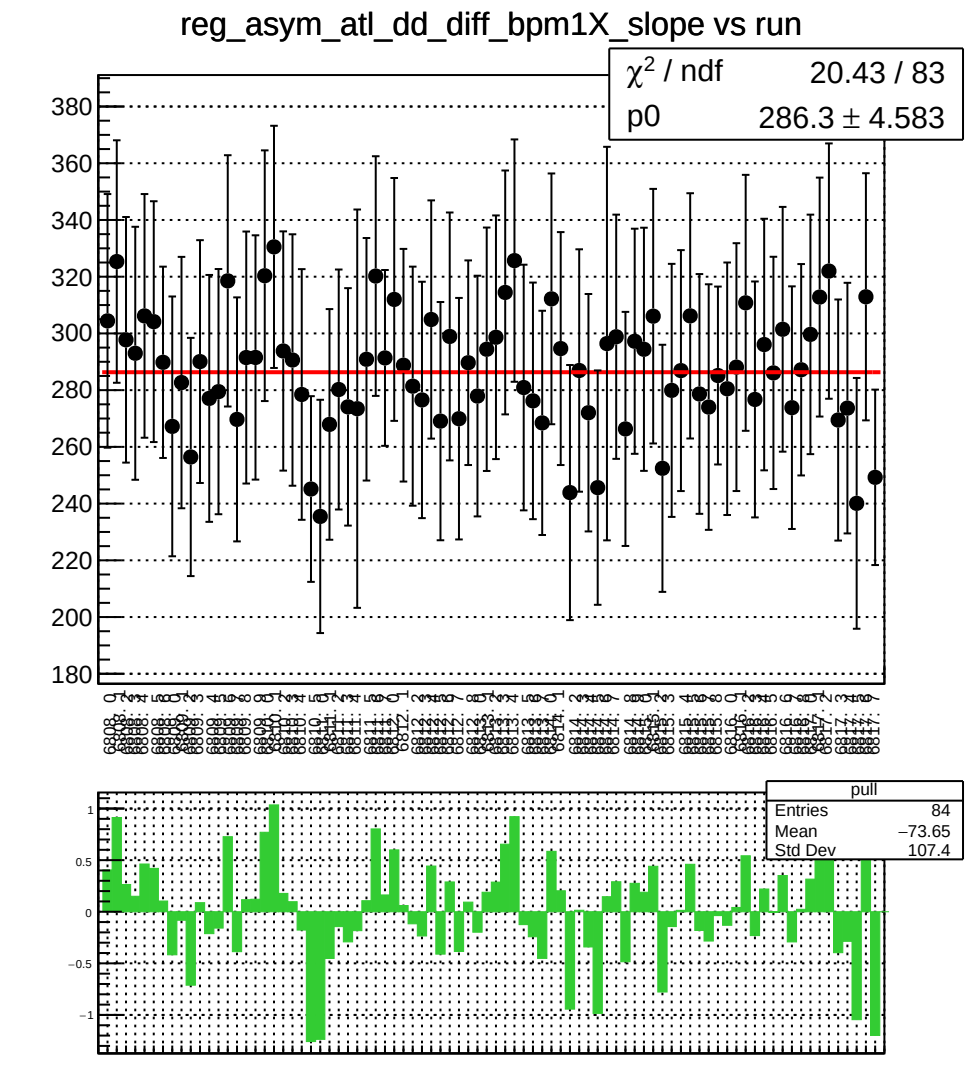

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.41 / 83
p0 277.1 ± 4.751
pull
Entries 84
Mean −58.85
Std Dev 108.6

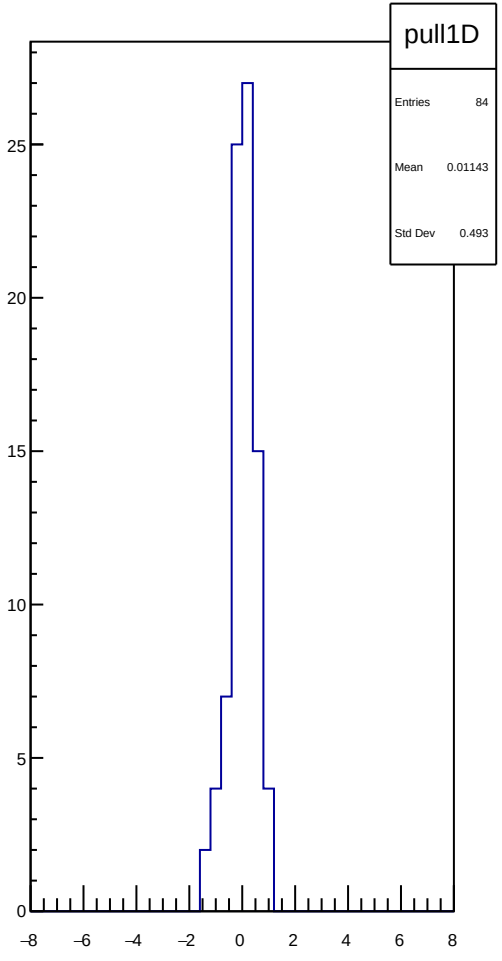

pull1D
Entries 84
Mean −0.002827
Std Dev 0.4283

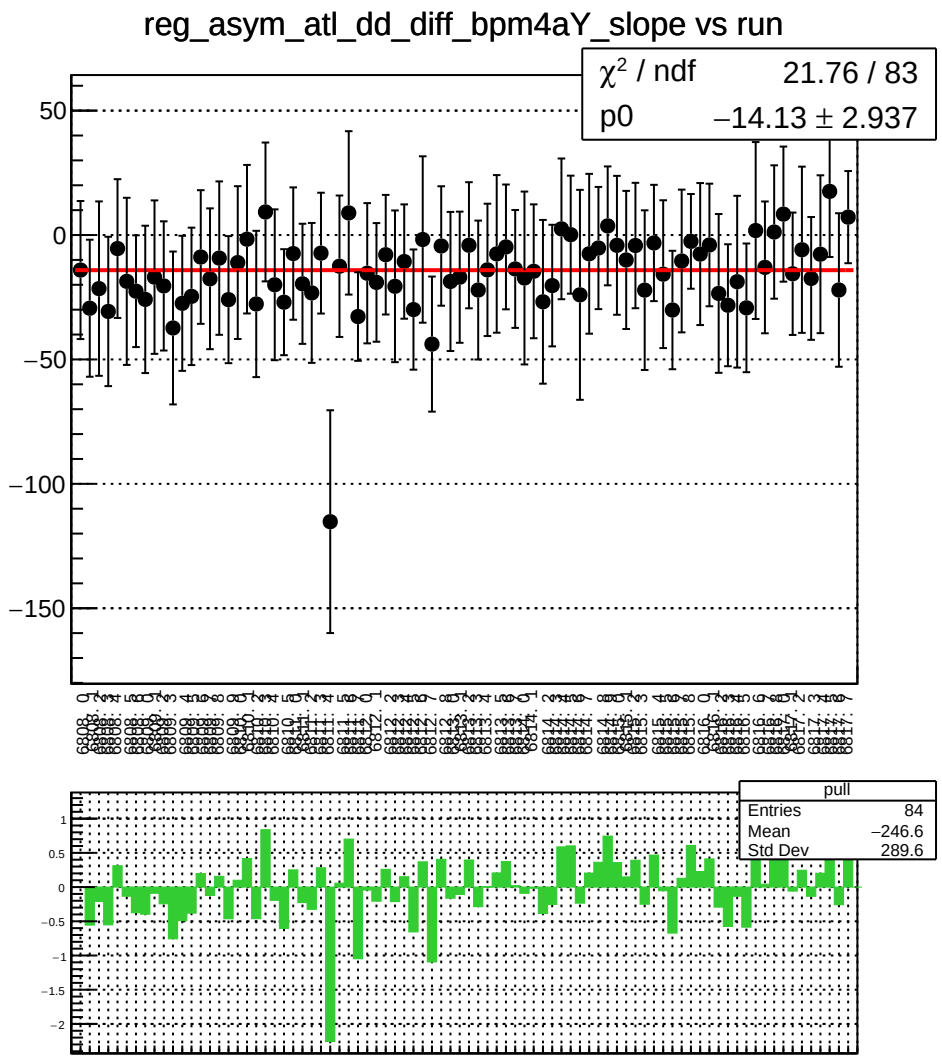

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.52 / 83
p0 39.57 ± 3.933
150
100
50
0
−50
pull
Entries 84
Mean −84.93
Std Dev 150.2
1.5
1
0.5
0
−0.5
pull1D
Entries 84
Mean 0.00103
Std Dev 0.3539
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

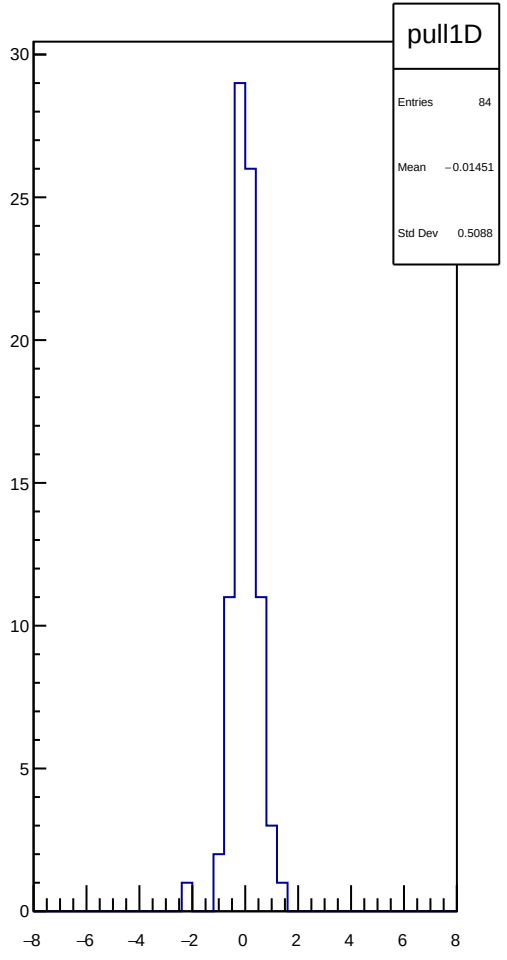

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 26.05 / 83
p0 −153.3 ± 0.2065
pull
Entries 84
Mean 4396
Std Dev 4353

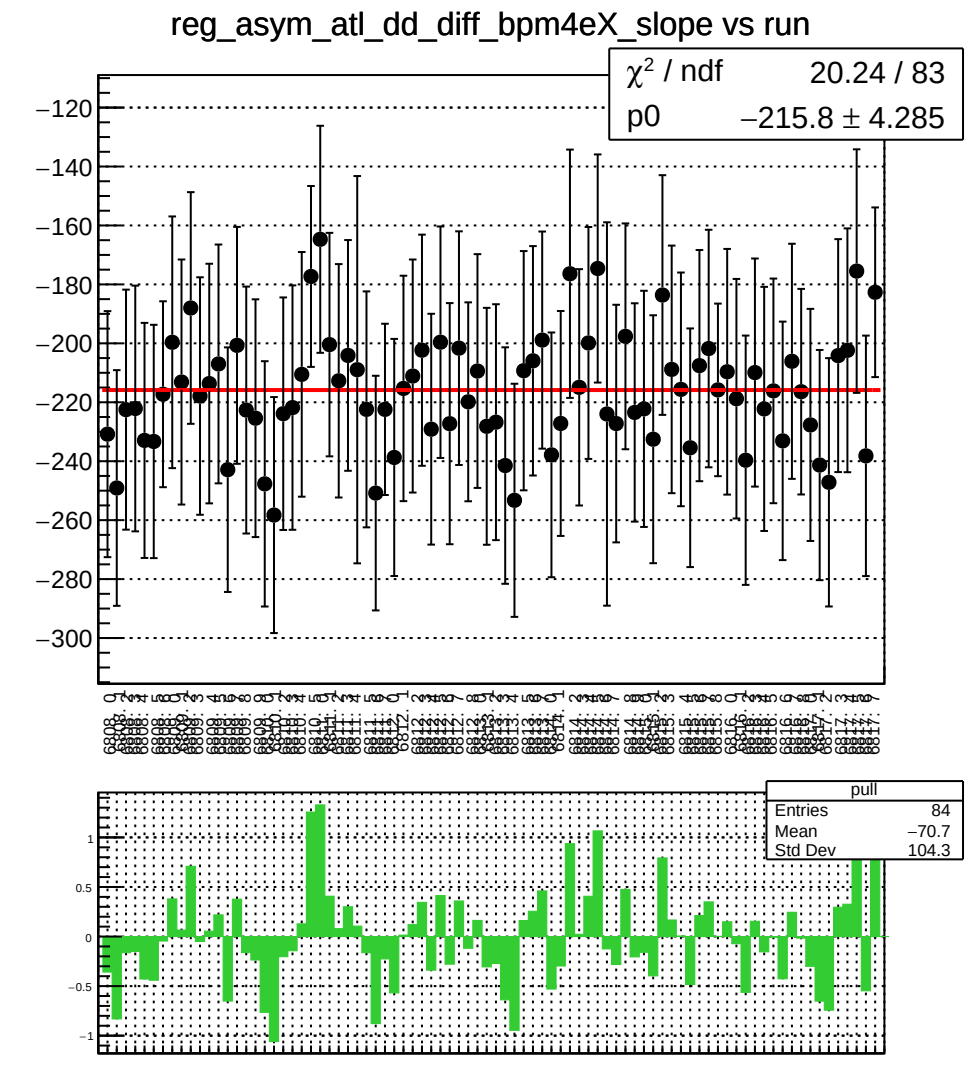

pull1D
Entries 84
Mean 0.0007812
Std Dev 0.5569

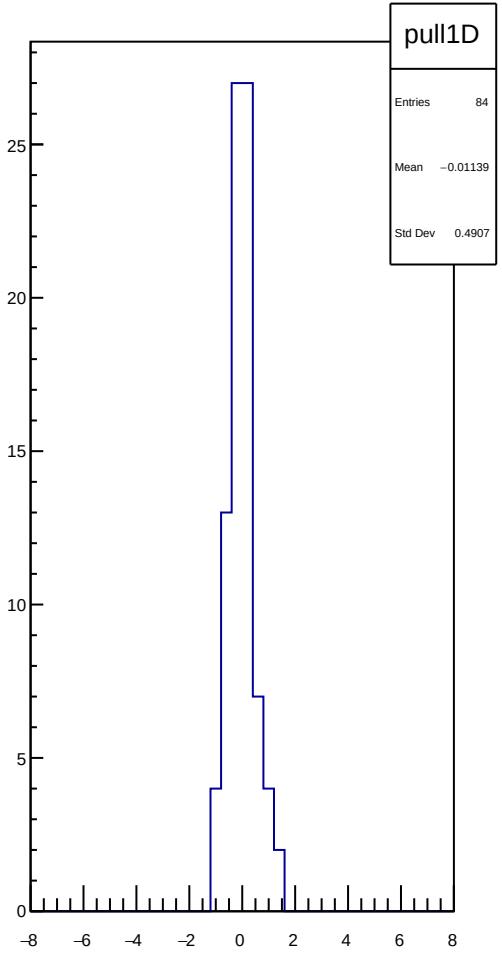

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 20.43 / 83
p0 286.3 ± 4.583
pull
Entries 84
Mean −73.65
Std Dev 107.4

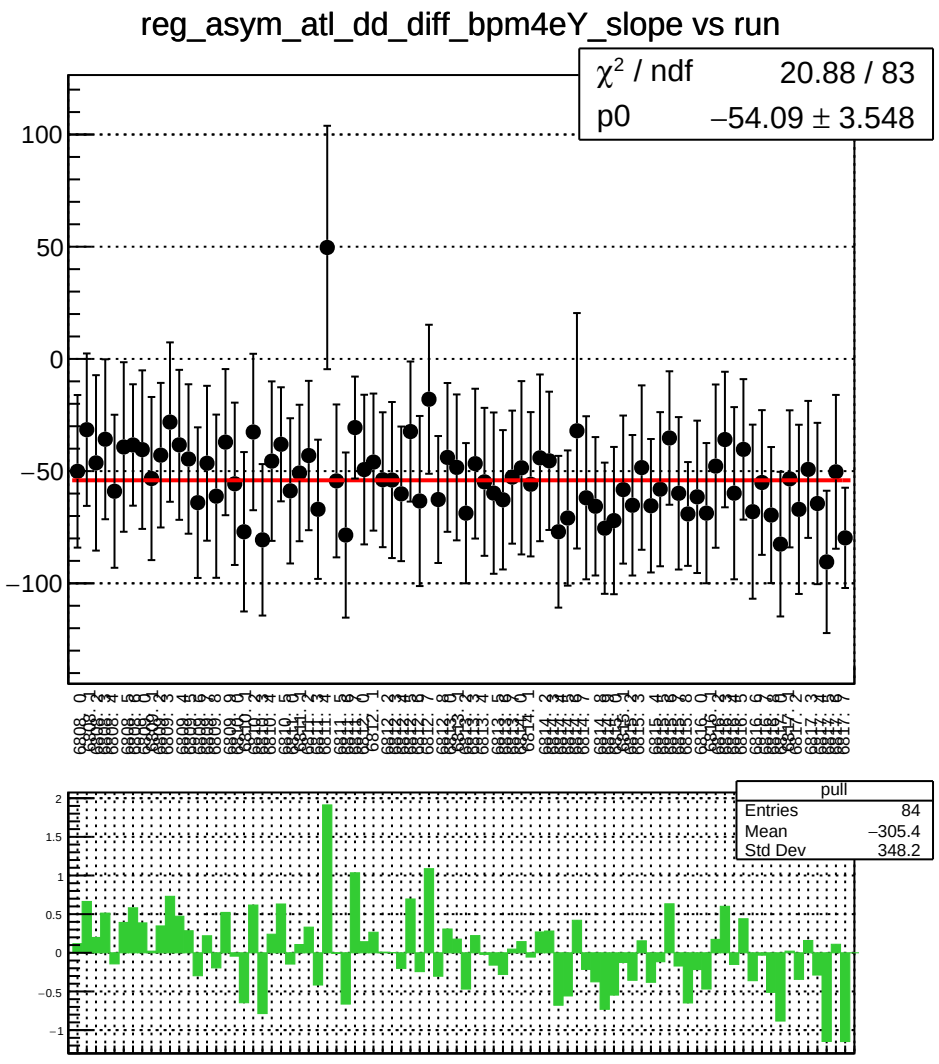

pull1D
Entries 84
Mean 0.01143
Std Dev 0.493

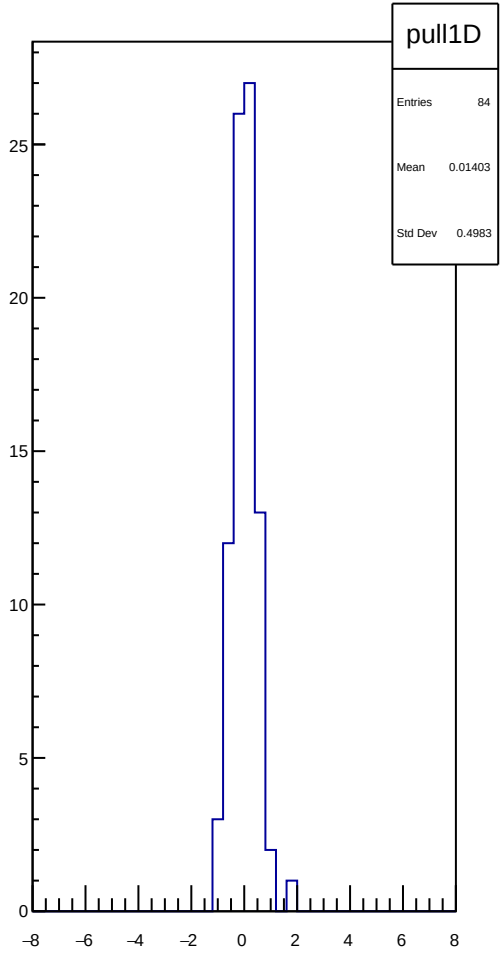

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.76 / 83
p0 −14.13 ± 2.937
50
0
−50
−100
−150
pull
Entries 84
Mean −246.6
Std Dev 289.6
1
0.5
0
−0.5
−1
−1.5
−2

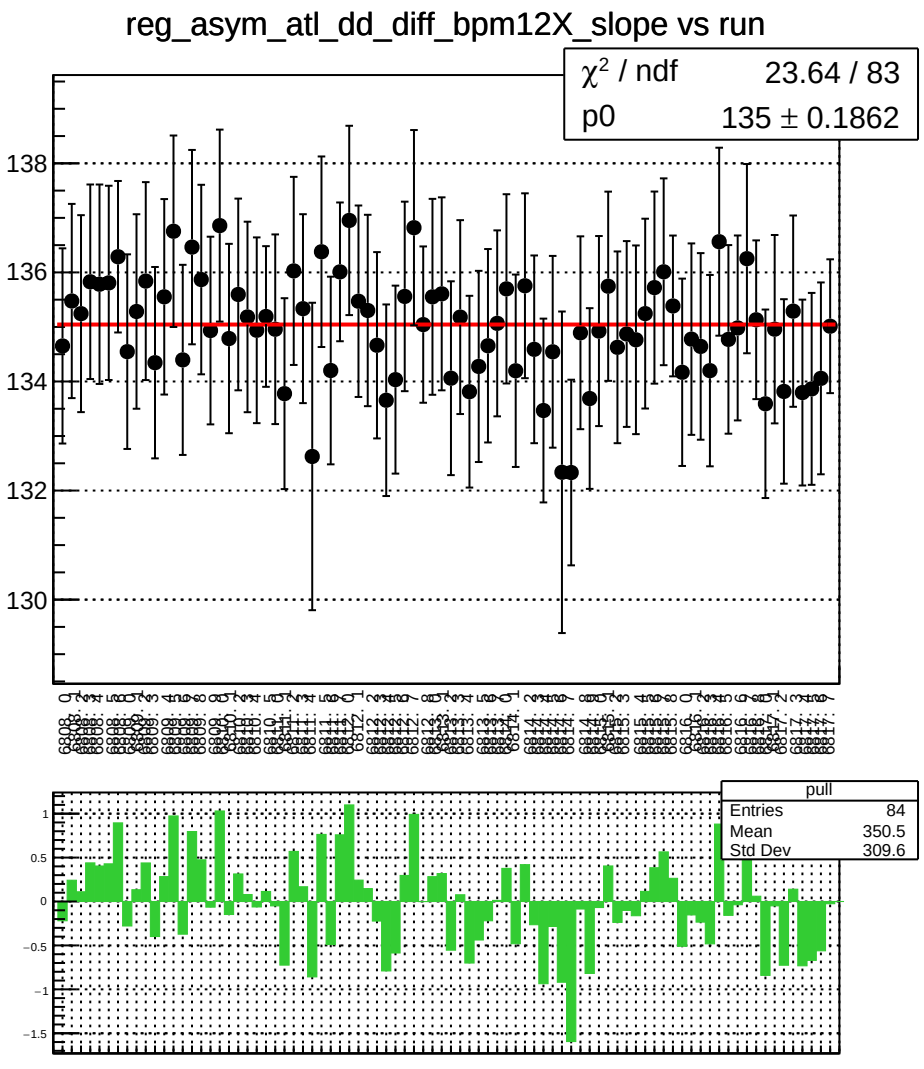

pull1D
Entries 84
Mean −0.01451
Std Dev 0.5088
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

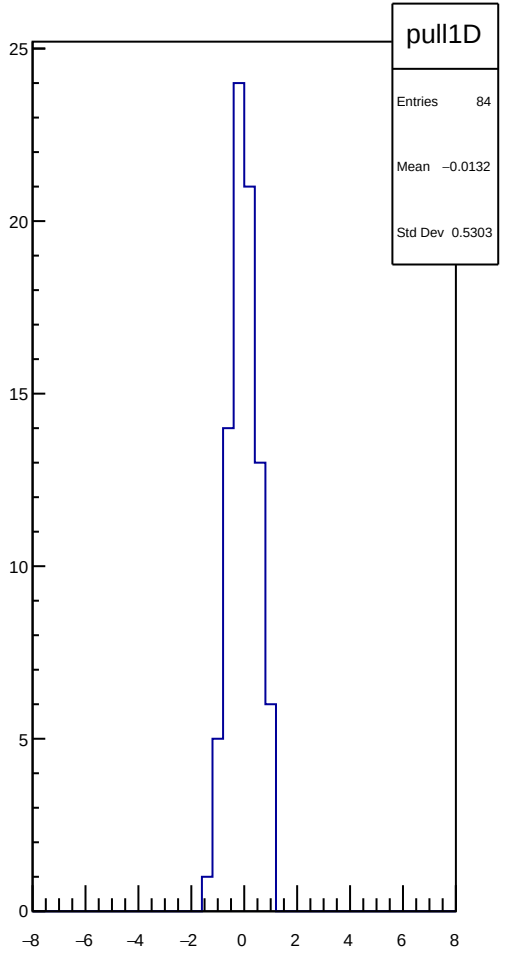

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.24 / 83
p0 −215.8 ± 4.285
pull
Entries 84
Mean −70.7
Std Dev 104.3

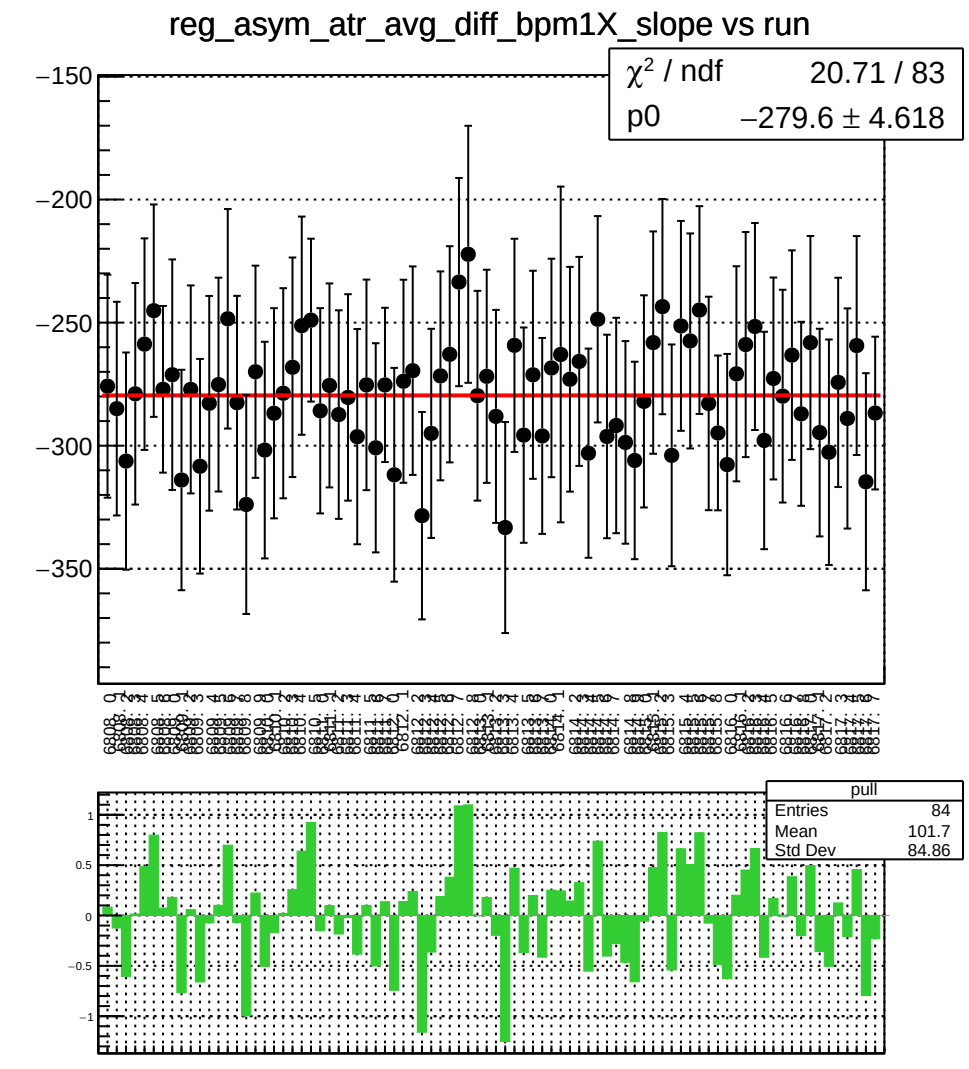

pull1D
Entries 84
Mean −0.01139
Std Dev 0.4907

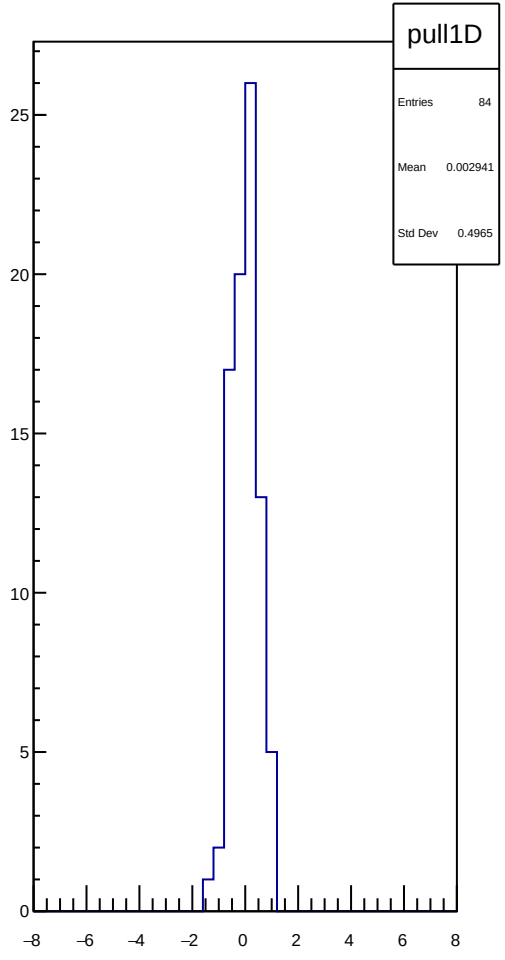

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.88 / 83
p0 −54.09 ± 3.548
100
50
0
−50
−100
pull
Entries 84
Mean −305.4
Std Dev 348.2
2
1.5
1
0.5
0
−0.5
−1

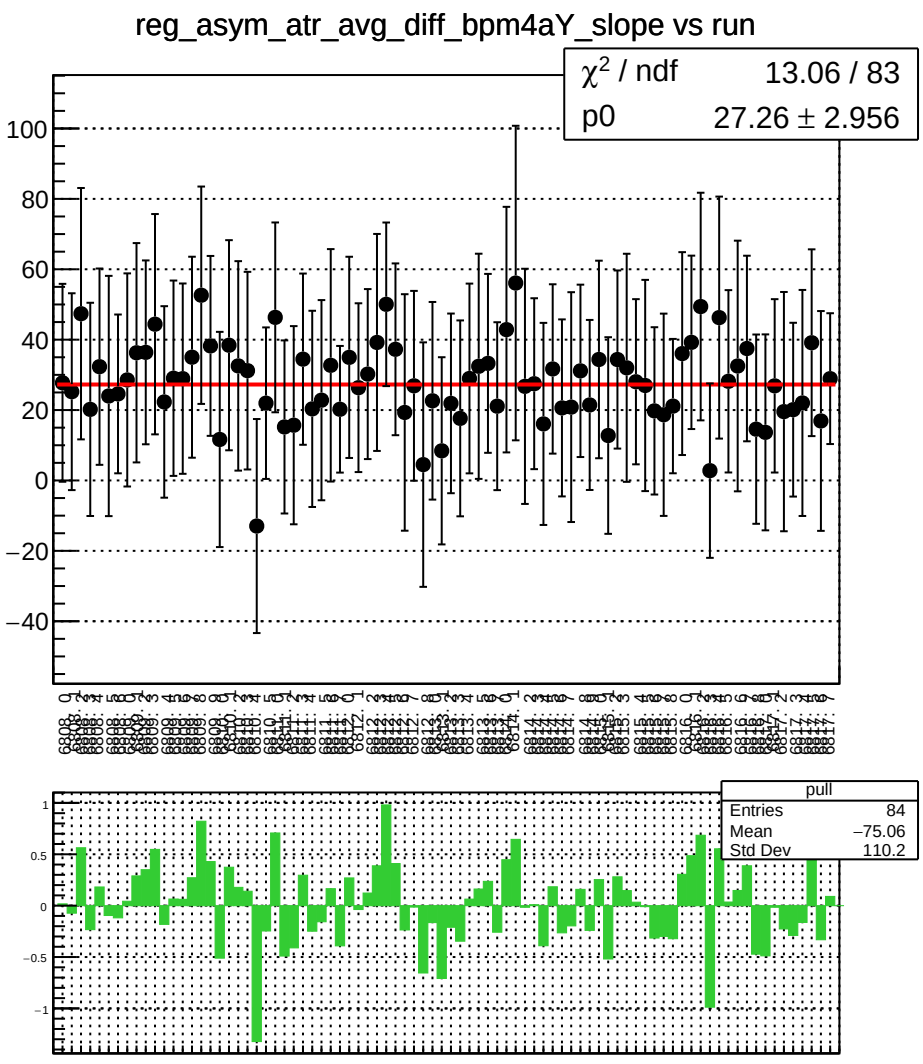

pull1D
Entries 84
Mean 0.01403
Std Dev 0.4983
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

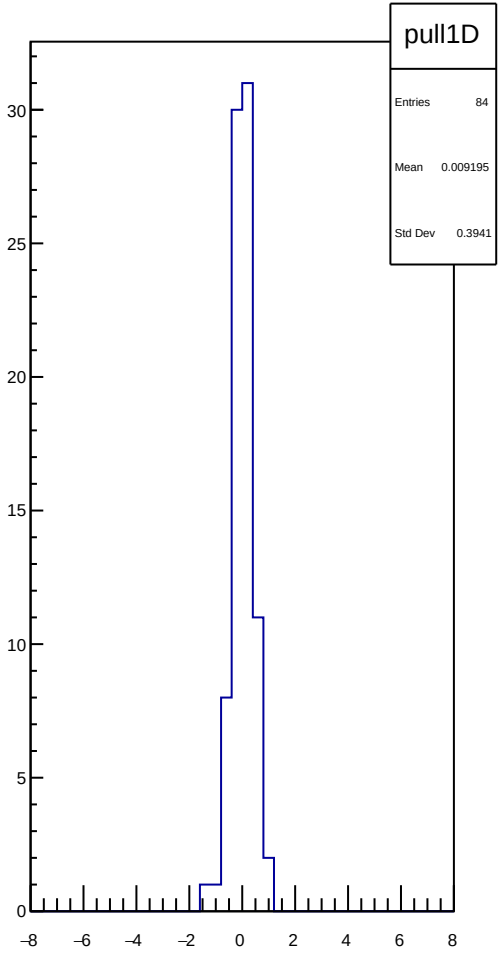

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 23.64 / 83
p0 135 ± 0.1862
138
136
134
132
130
pull
Entries 84
Mean 350.5
Std Dev 309.6
1
0.5
0
−0.5
−1
−1.5

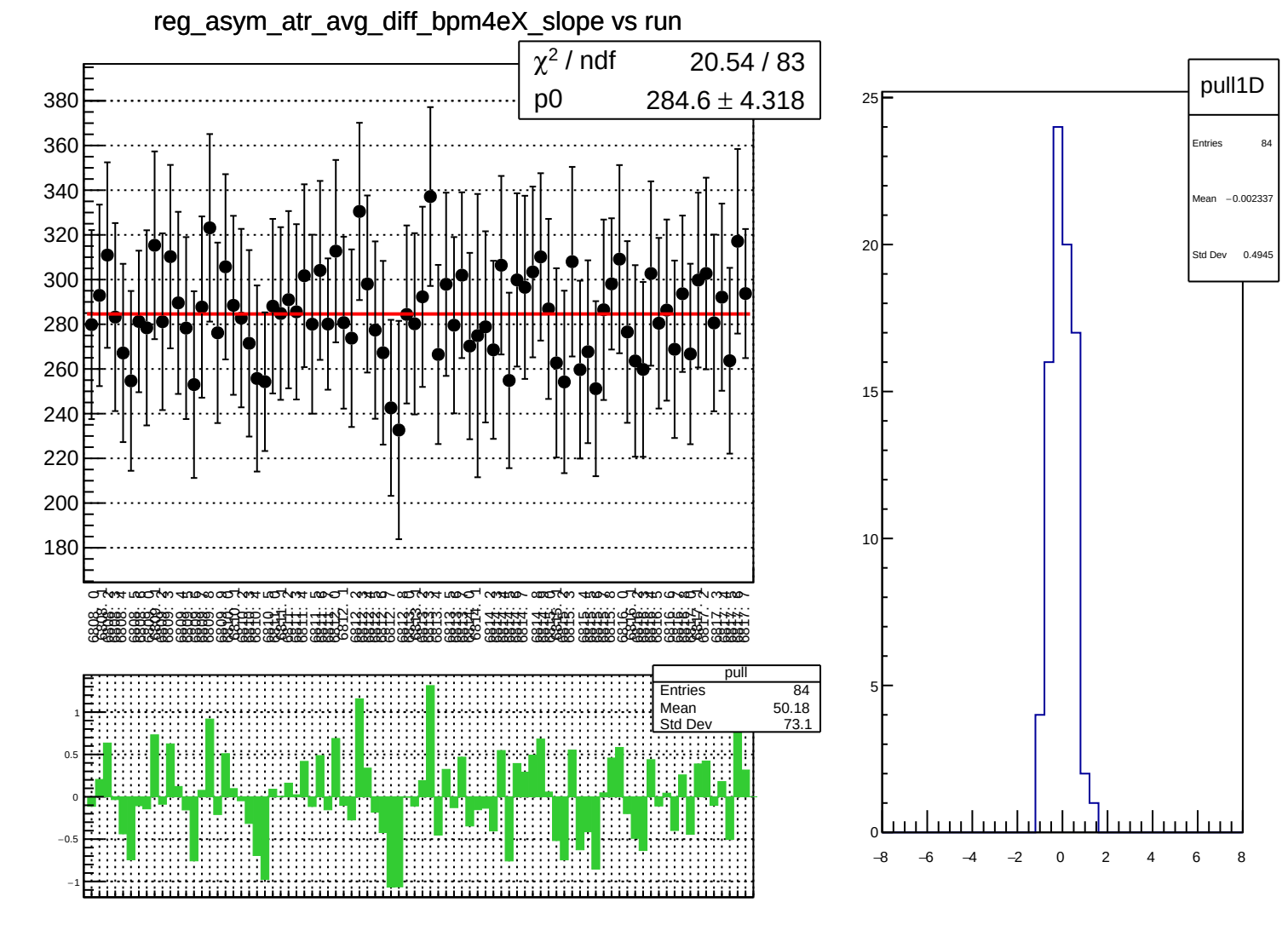

pull1D
Entries 84
Mean −0.0132
Std Dev 0.5303
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

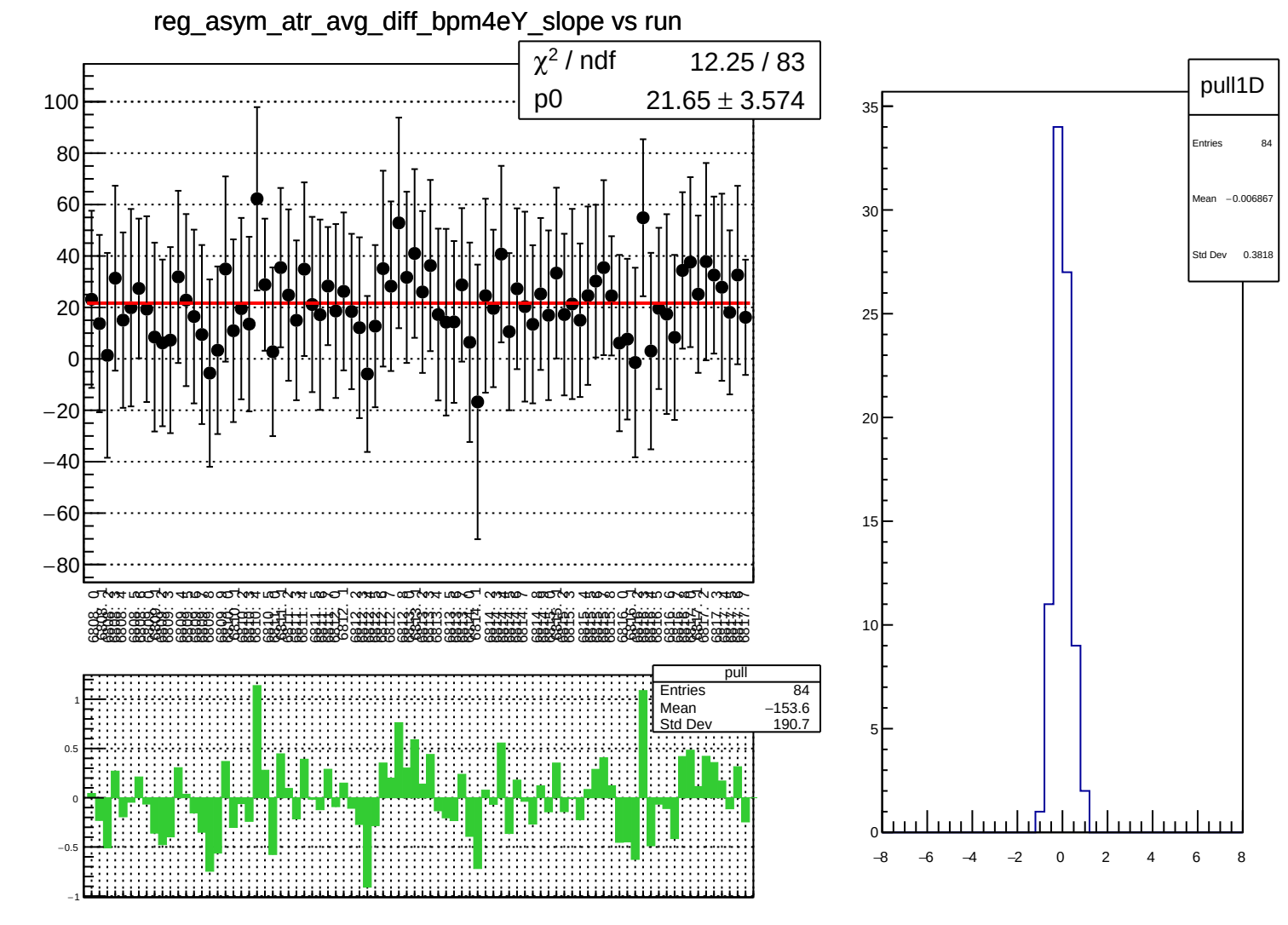

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 20.71 / 83
p0 −279.6 ± 4.618
−150
−200
−250
−300
−350
pull
Entries 84
Mean 101.7
Std Dev 84.86
1
0.5
0
−0.5
−1

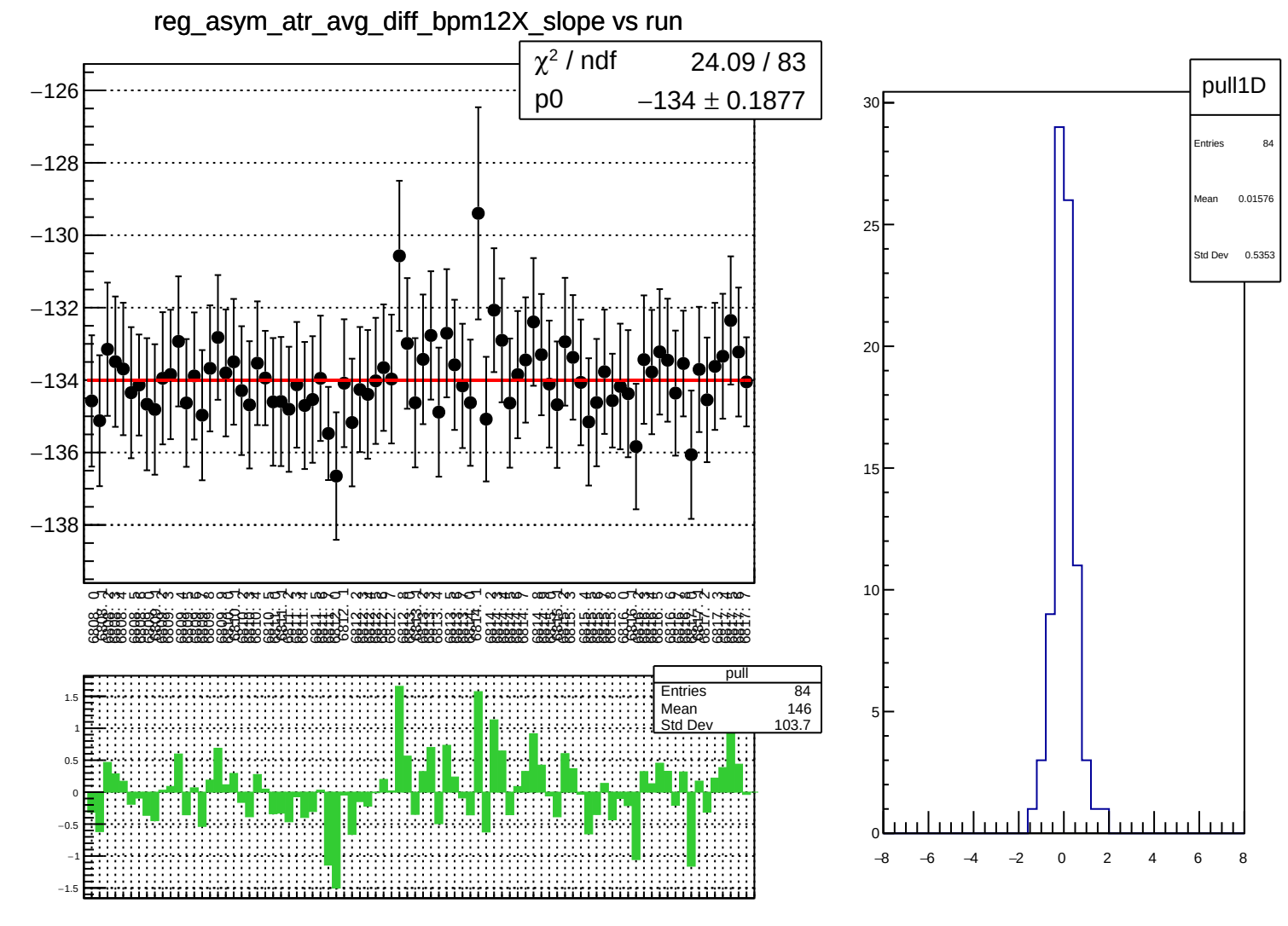

pull1D
Entries 84
Mean 0.002941
Std Dev 0.4965
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

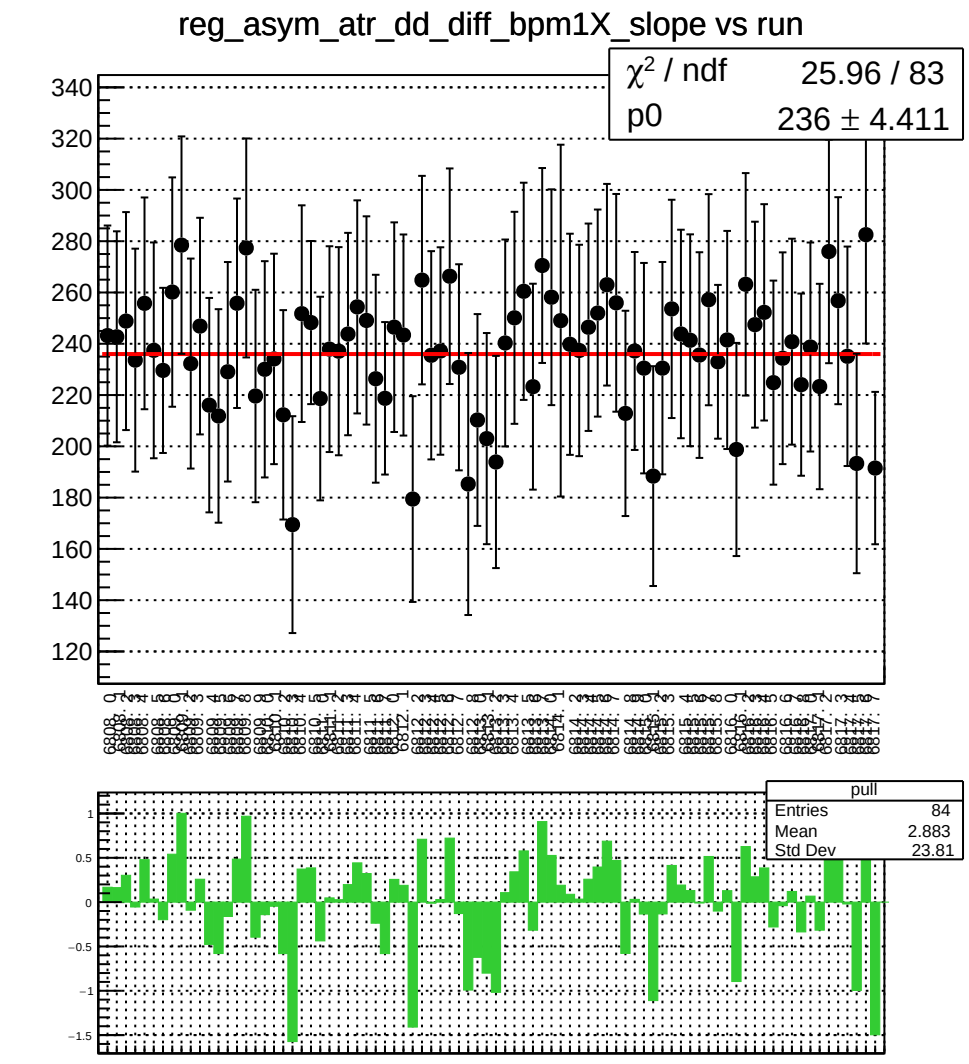

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.06 / 83
p0 27.26 ± 2.956
pull
Entries 84
Mean −75.06
Std Dev 110.2

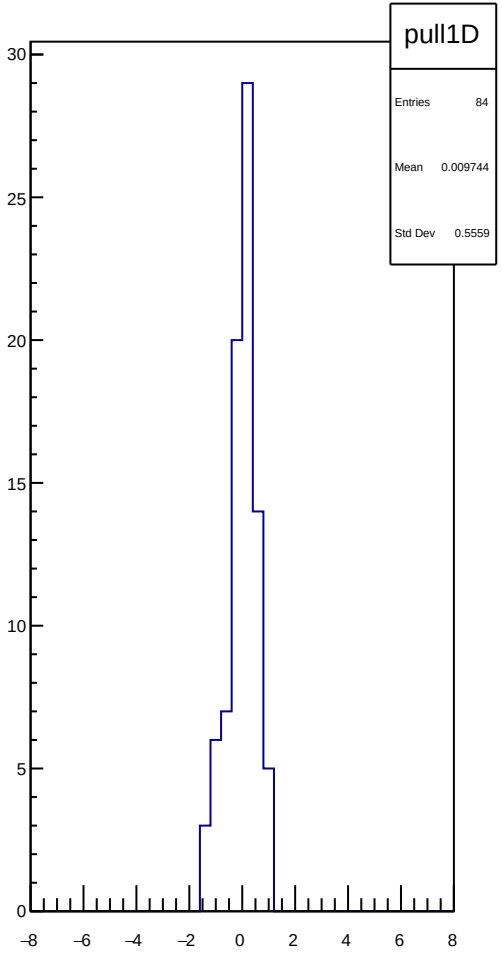

pull1D
Entries 84
Mean 0.009195
Std Dev 0.3941

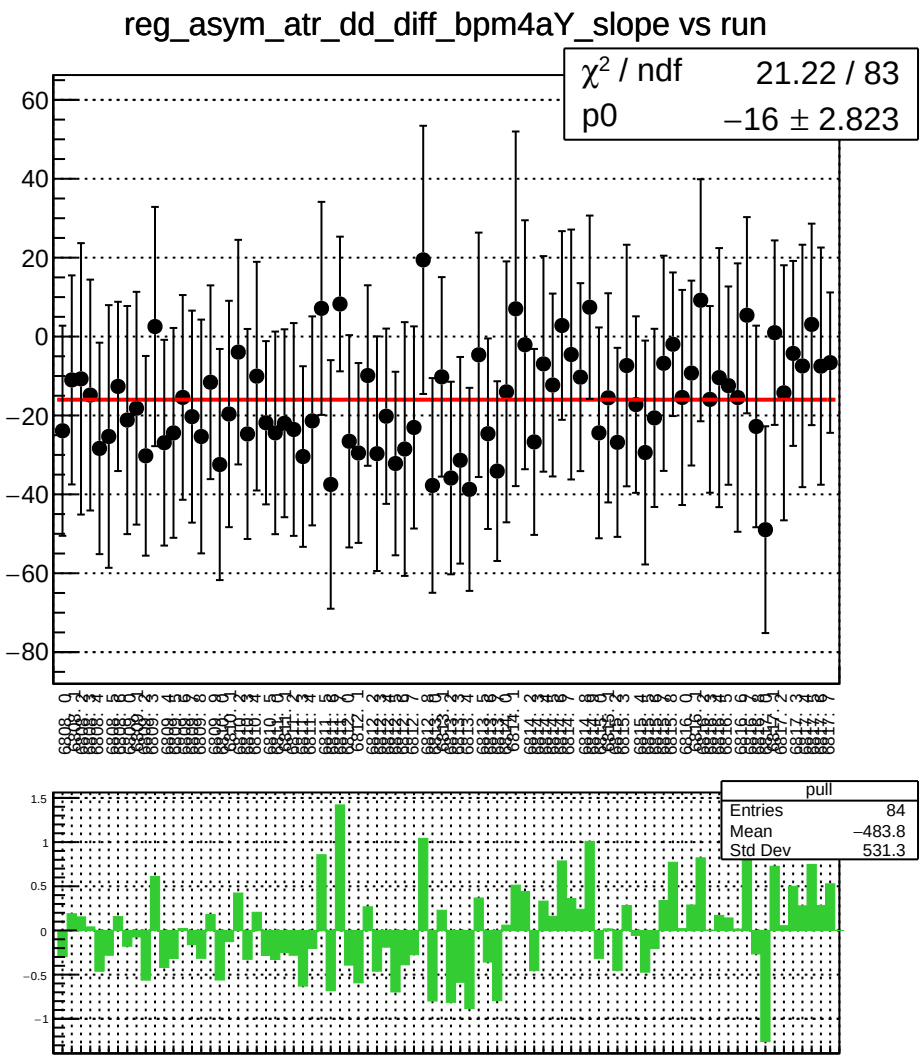

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.54 / 83
p0 284.6 ± 4.318
pull
Entries 84
Mean 50.18
Std Dev 73.1
pull1D
Entries 84
Mean −0.002337
Std Dev 0.4945

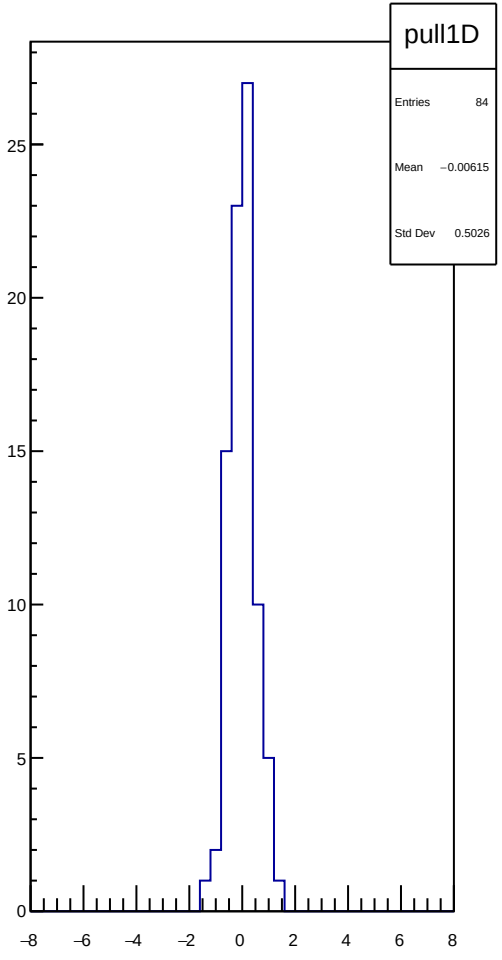

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.25 / 83
p0 21.65 ± 3.574
pull
Entries 84
Mean −153.6
Std Dev 190.7
pull1D
Entries 84
Mean −0.006867
Std Dev 0.3818

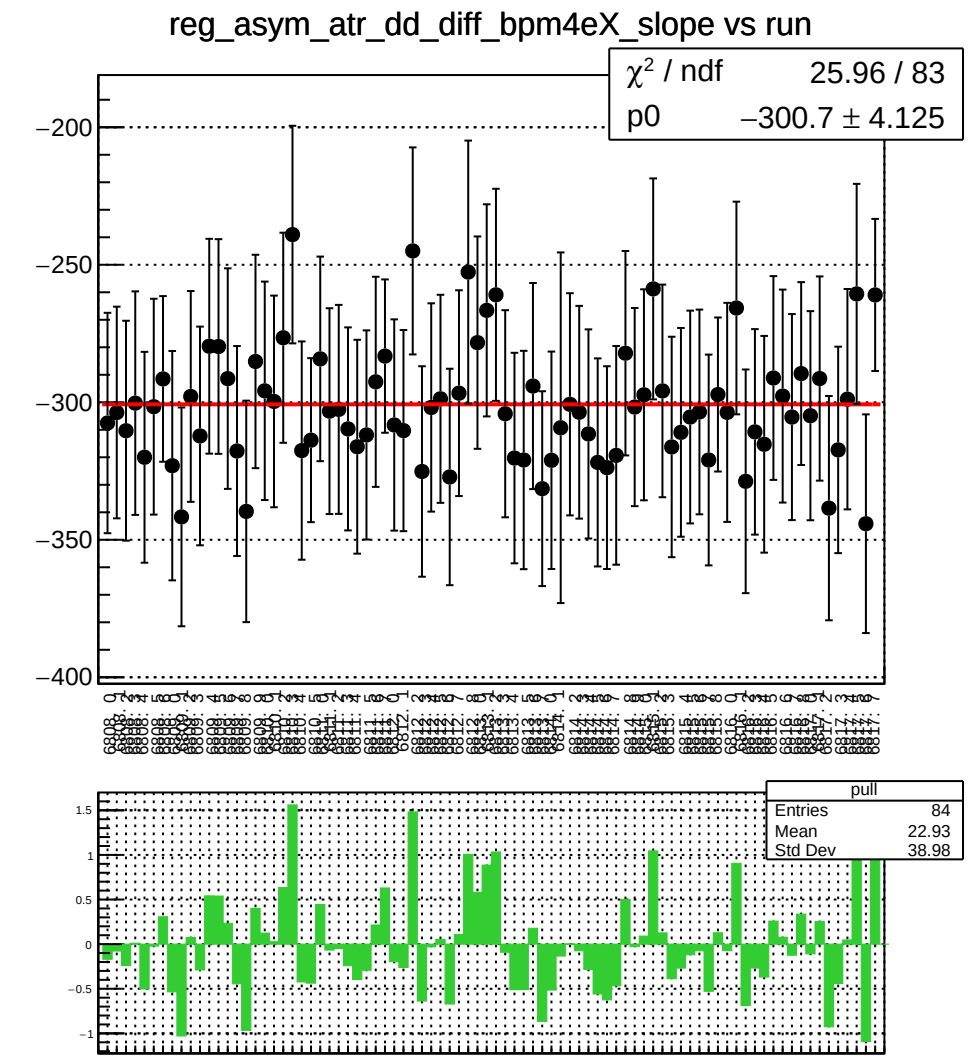

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 24.09 / 83
p0 −134 ± 0.1877
−126
−128
−130
−132
−134
−136
−138
pull
Entries 84
Mean 146
Std Dev 103.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.01576
Std Dev 0.5353
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

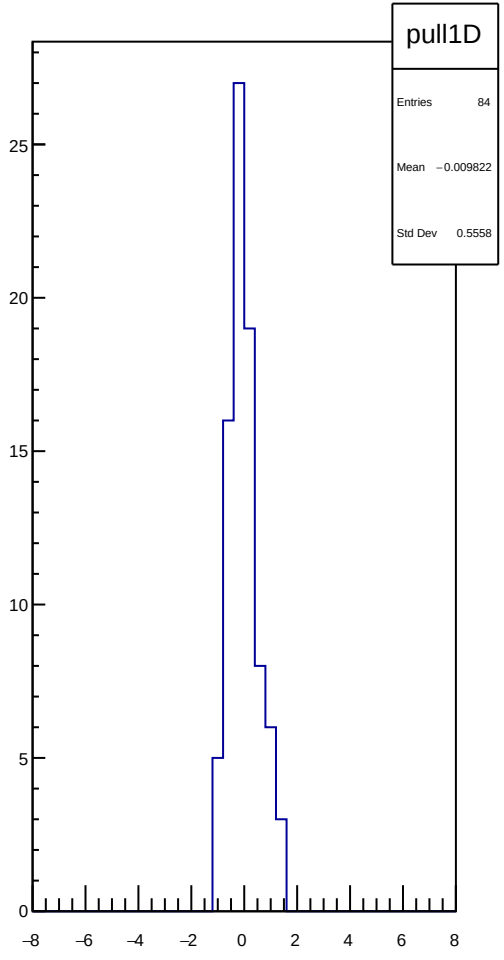

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 25.96 / 83
p0 236 ± 4.411
pull
Entries 84
Mean 2.883
Std Dev 23.81

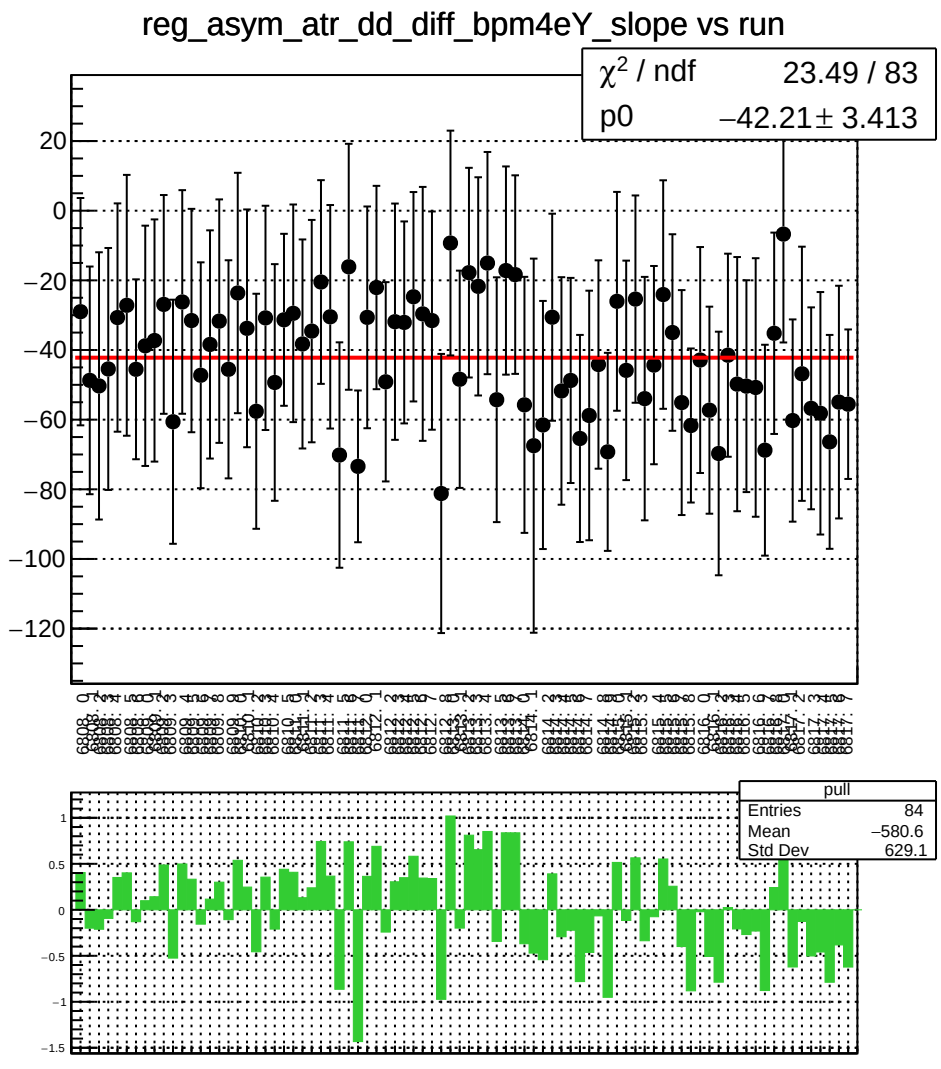

pull1D
Entries 84
Mean 0.009744
Std Dev 0.5559

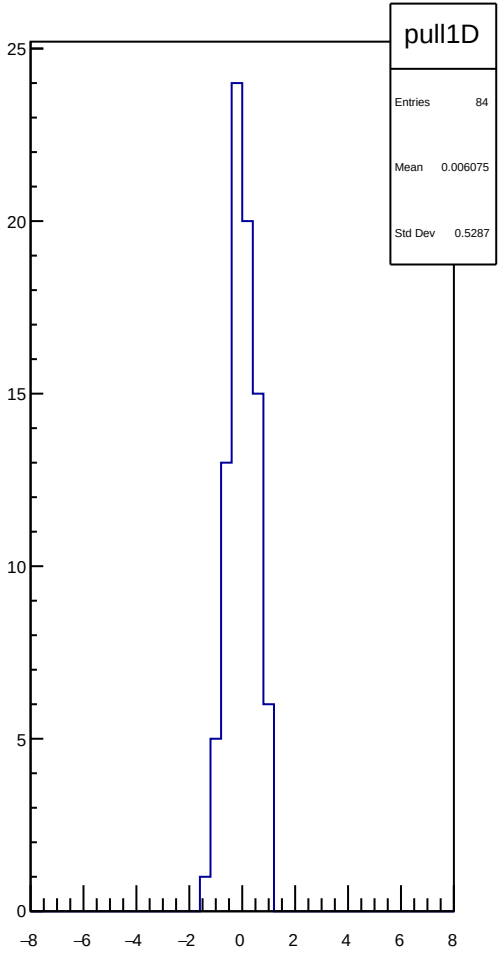

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.22 / 83
p0 −16 ± 2.823
pull
Entries 84
Mean −483.8
Std Dev 531.3

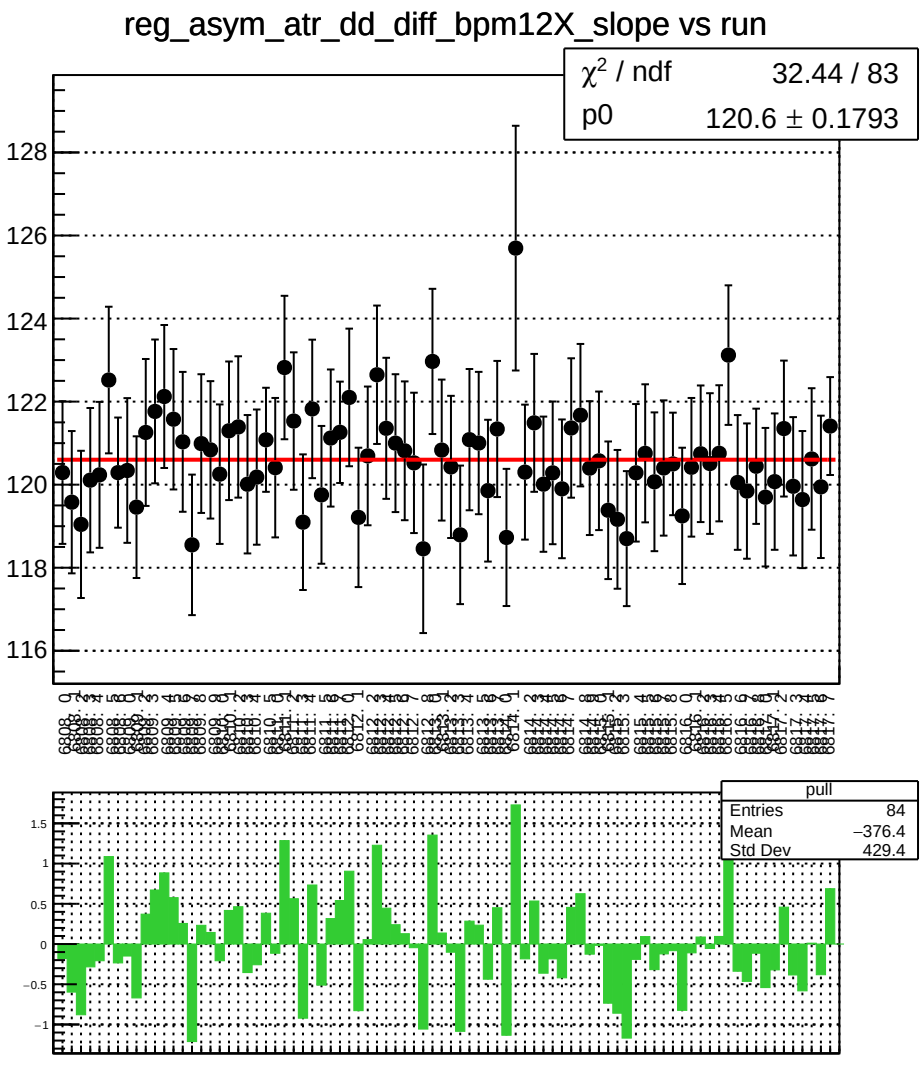

pull1D
Entries 84
Mean −0.00615
Std Dev 0.5026

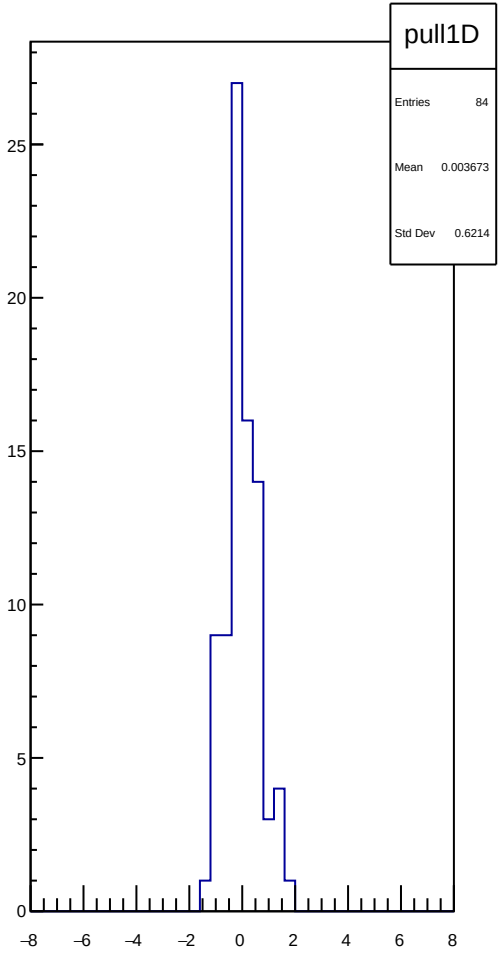

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.96 / 83
p0 −300.7 ± 4.125
−200
−250
−300
−350
−400
pull
Entries 84
Mean 22.93
Std Dev 38.98
1.5
1
0.5
0
−0.5
−1

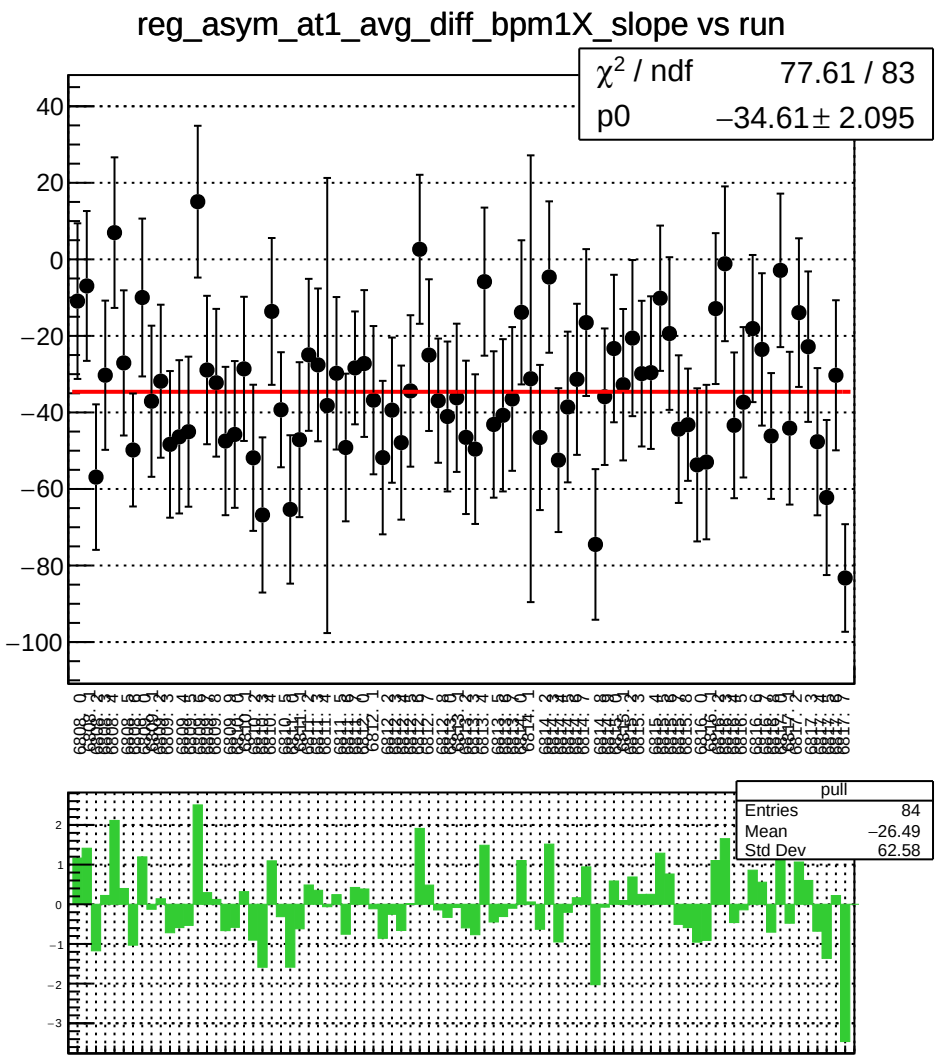

pull1D
Entries 84
Mean −0.009822
Std Dev 0.5558
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

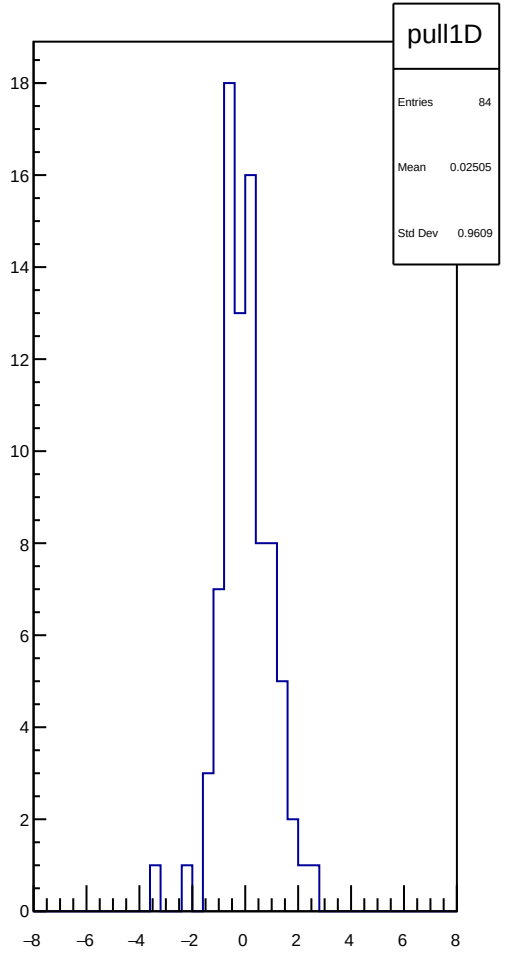

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.49 / 83
p0 −42.21 ± 3.413
pull
Entries 84
Mean −580.6
Std Dev 629.1

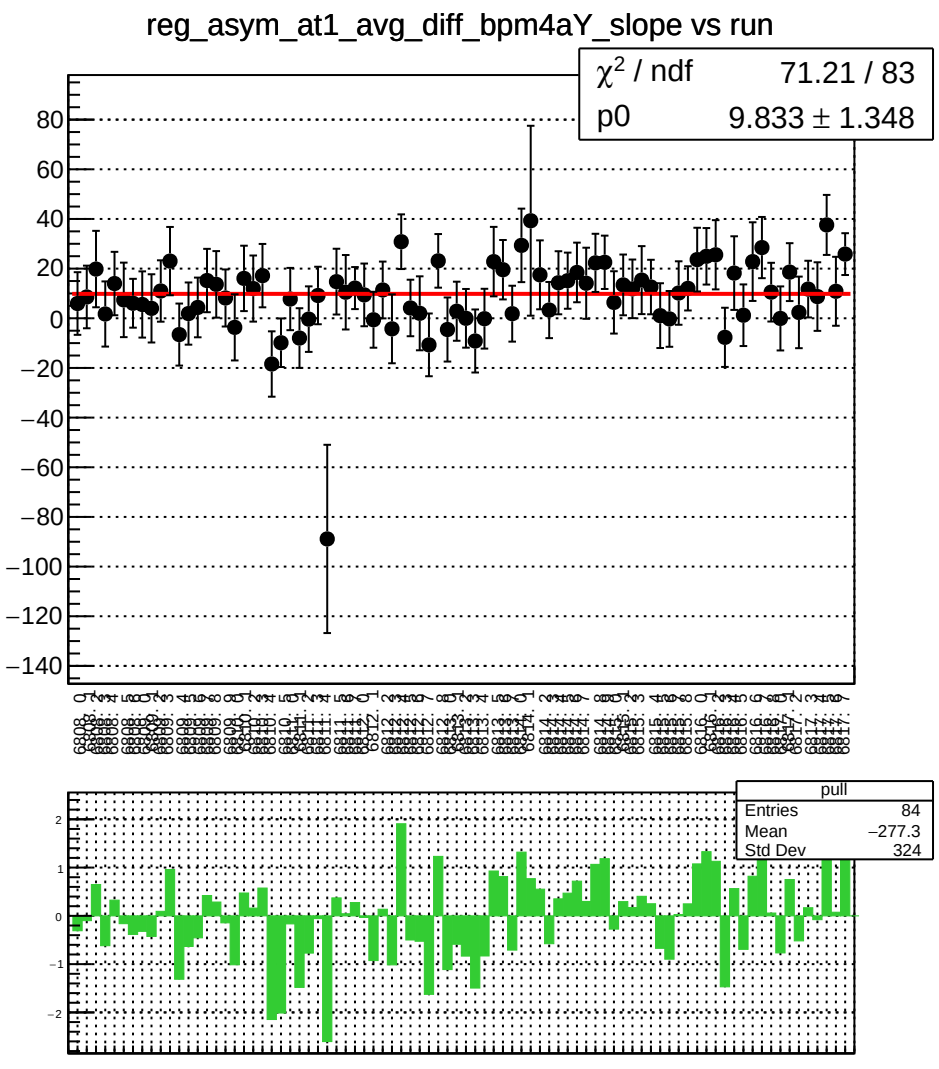

pull1D
Entries 84
Mean 0.006075
Std Dev 0.5287

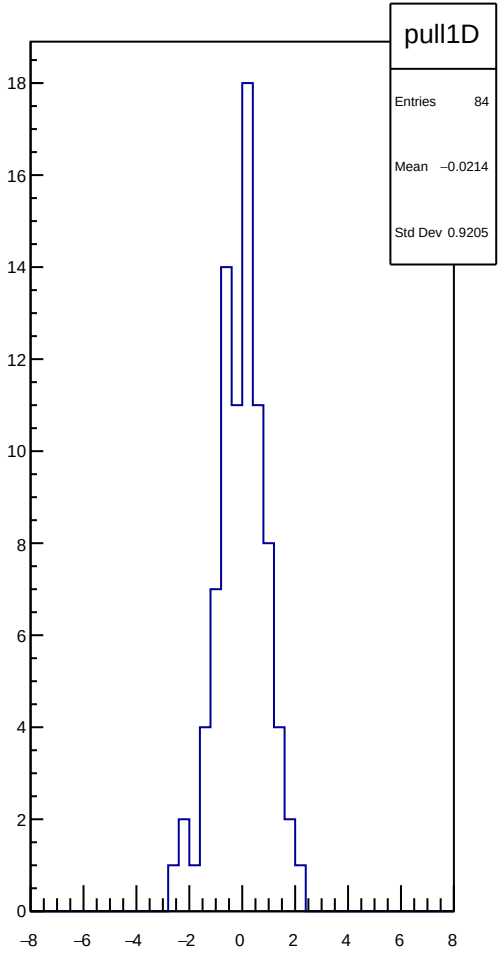

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 32.44 / 83
p0 120.6 ± 0.1793
128
126
124
122
120
118
116
pull
Entries 84
Mean −376.4
Std Dev 429.4
1.5
1
0.5
0
−0.5
−1

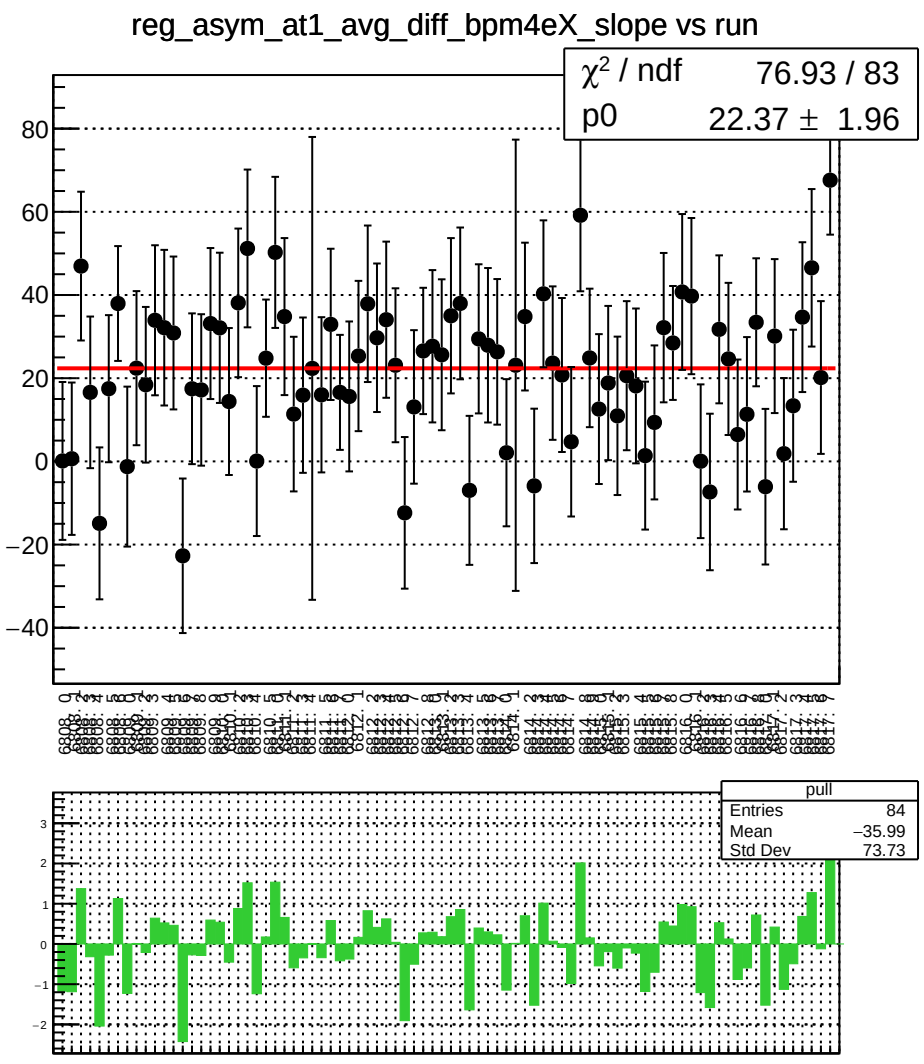

pull1D
Entries 84
Mean 0.003673
Std Dev 0.6214
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

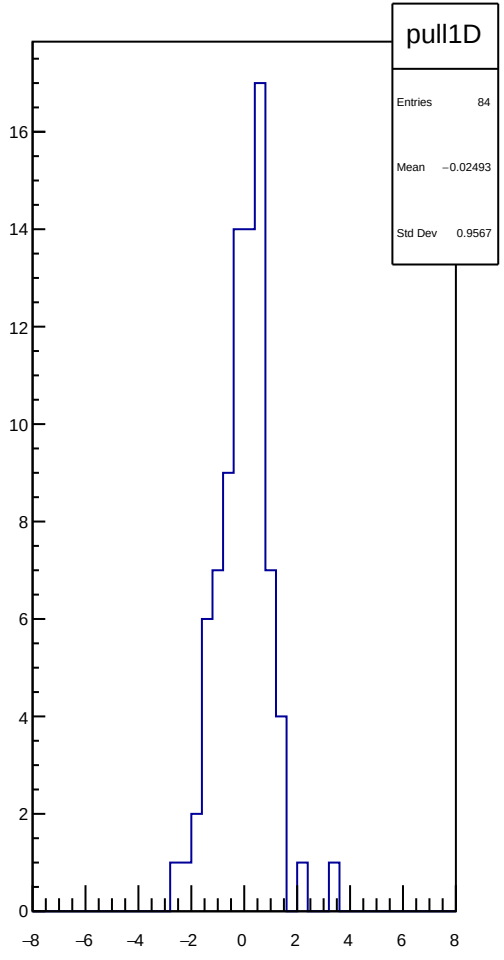

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 77.61 / 83
p0 −34.61 ± 2.095
pull
Entries 84
Mean −26.49
Std Dev 62.58

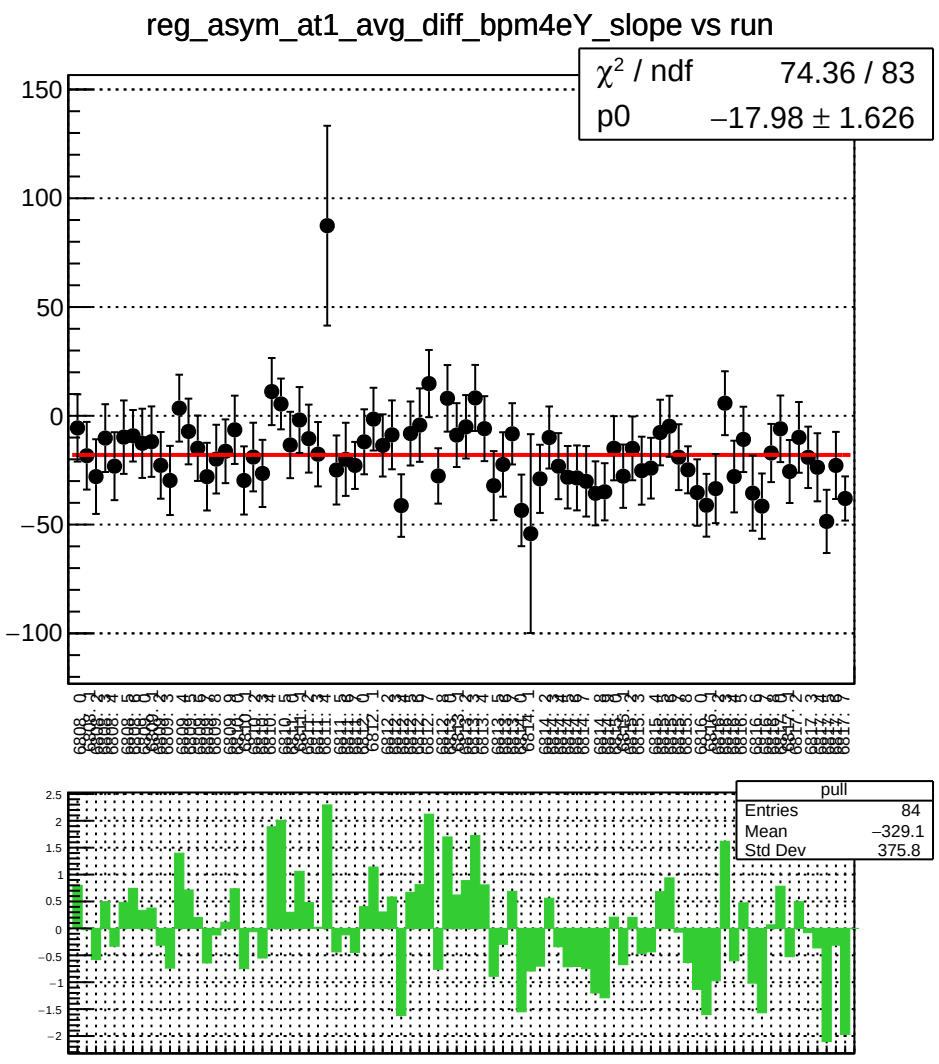

pull1D
Entries 84
Mean 0.02505
Std Dev 0.9609

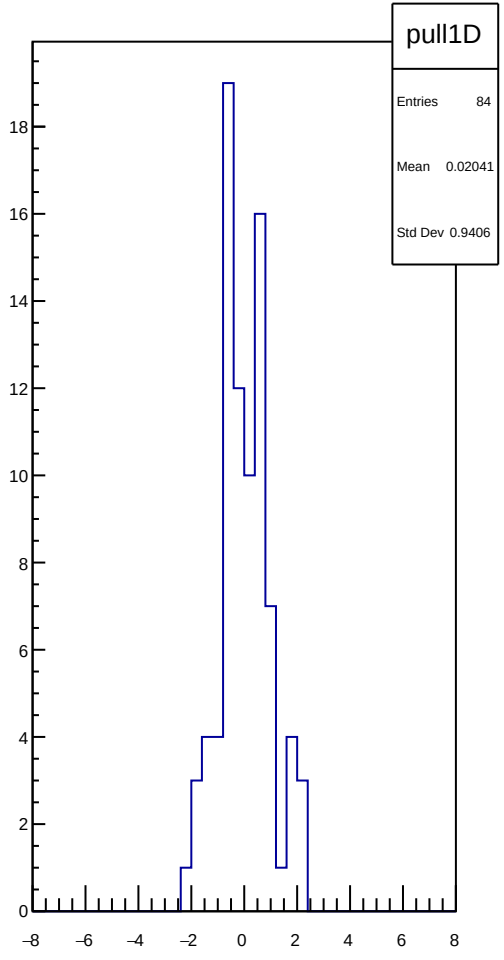

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 71.21 / 83
p0 9.833 ± 1.348
pull
Entries 84
Mean −277.3
Std Dev 324

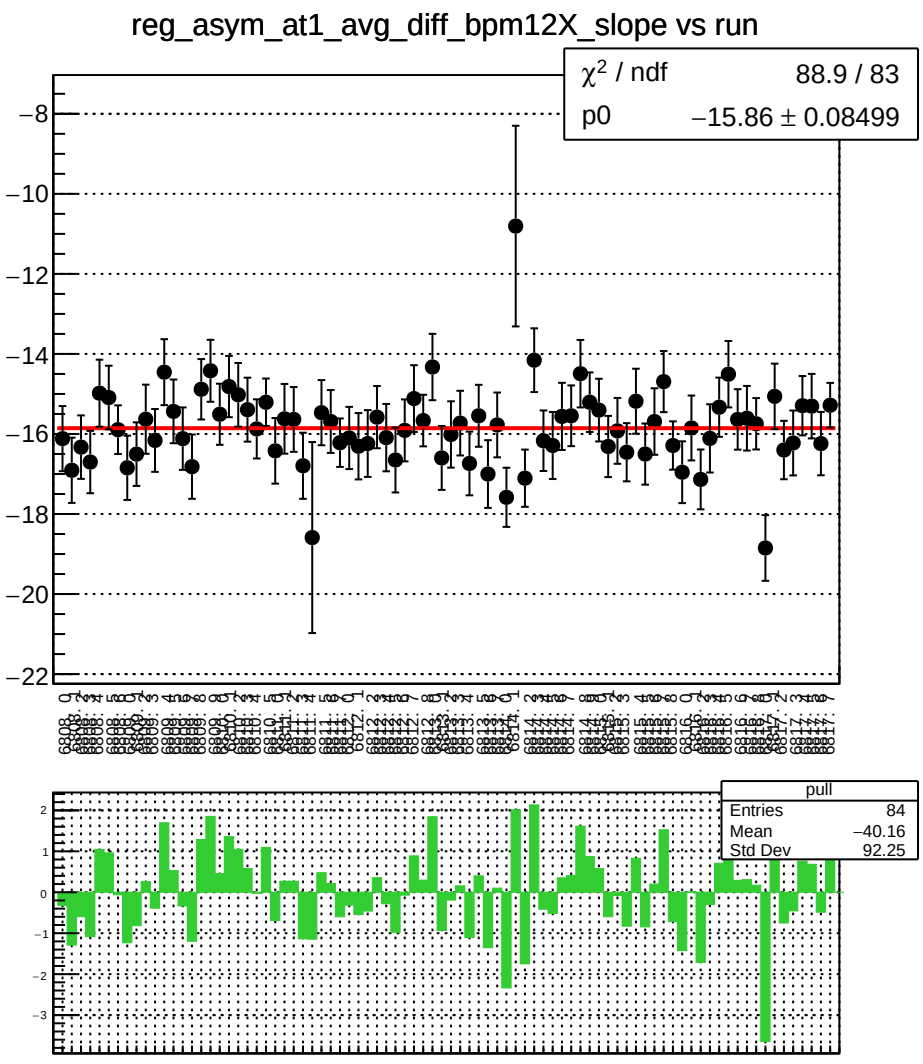

pull1D
Entries 84
Mean −0.0214
Std Dev 0.9205

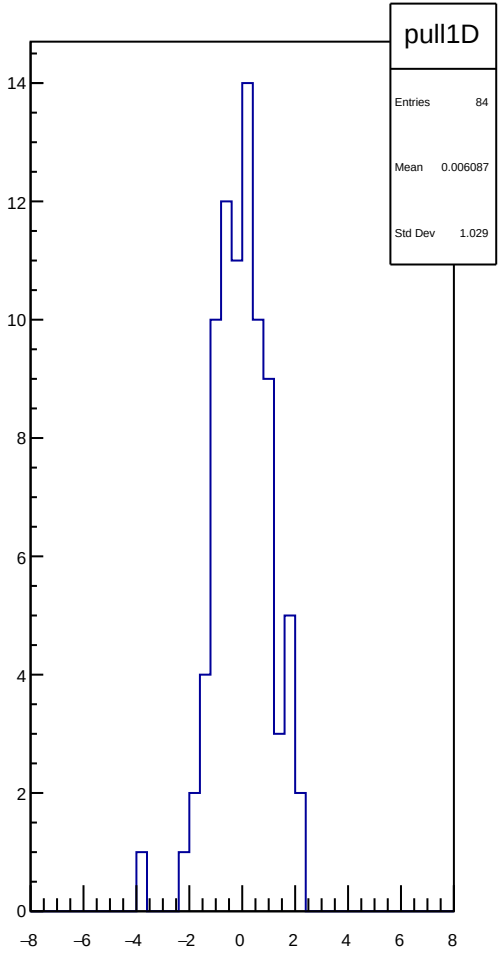

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.93 / 83
p0 22.37 ± 1.96
pull
Entries 84
Mean −35.99
Std Dev 73.73

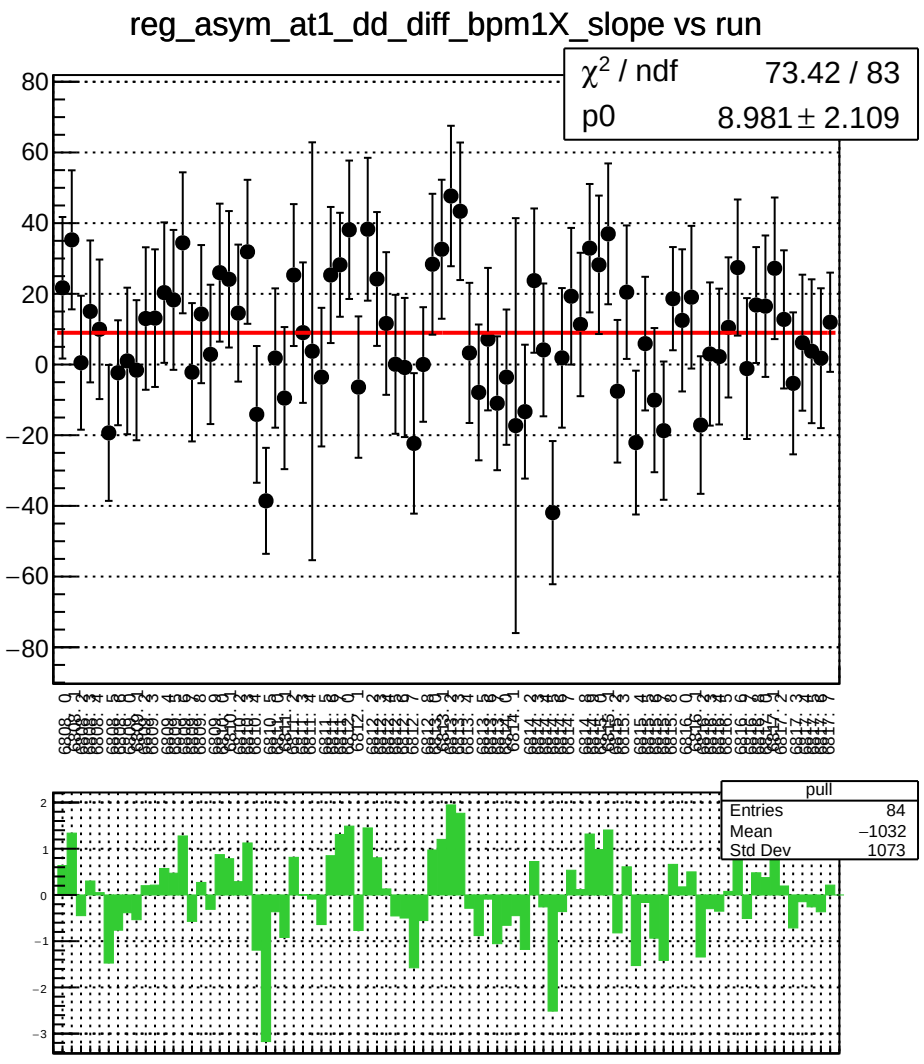

pull1D
Entries 84
Mean −0.02493
Std Dev 0.9567

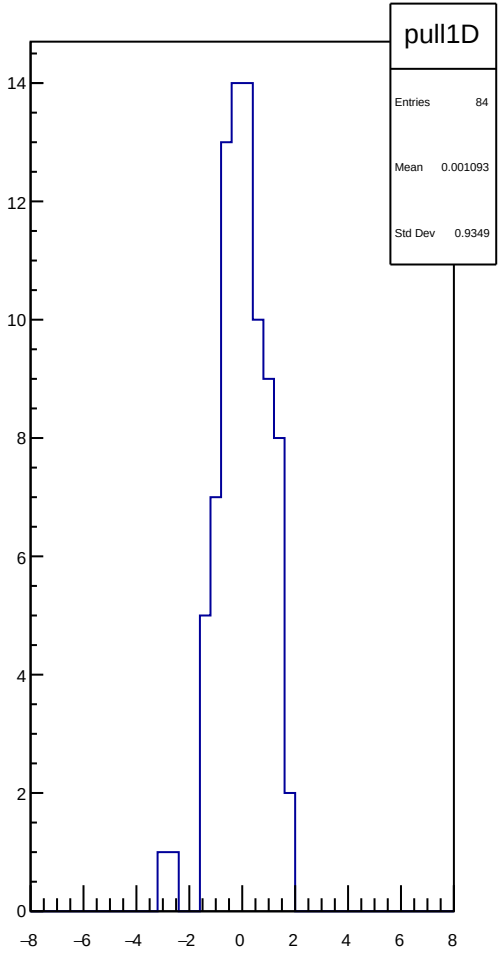

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.36 / 83
p0 −17.98 ± 1.626
150
100
50
0
−50
−100
pull
Entries 84
Mean −329.1
Std Dev 375.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

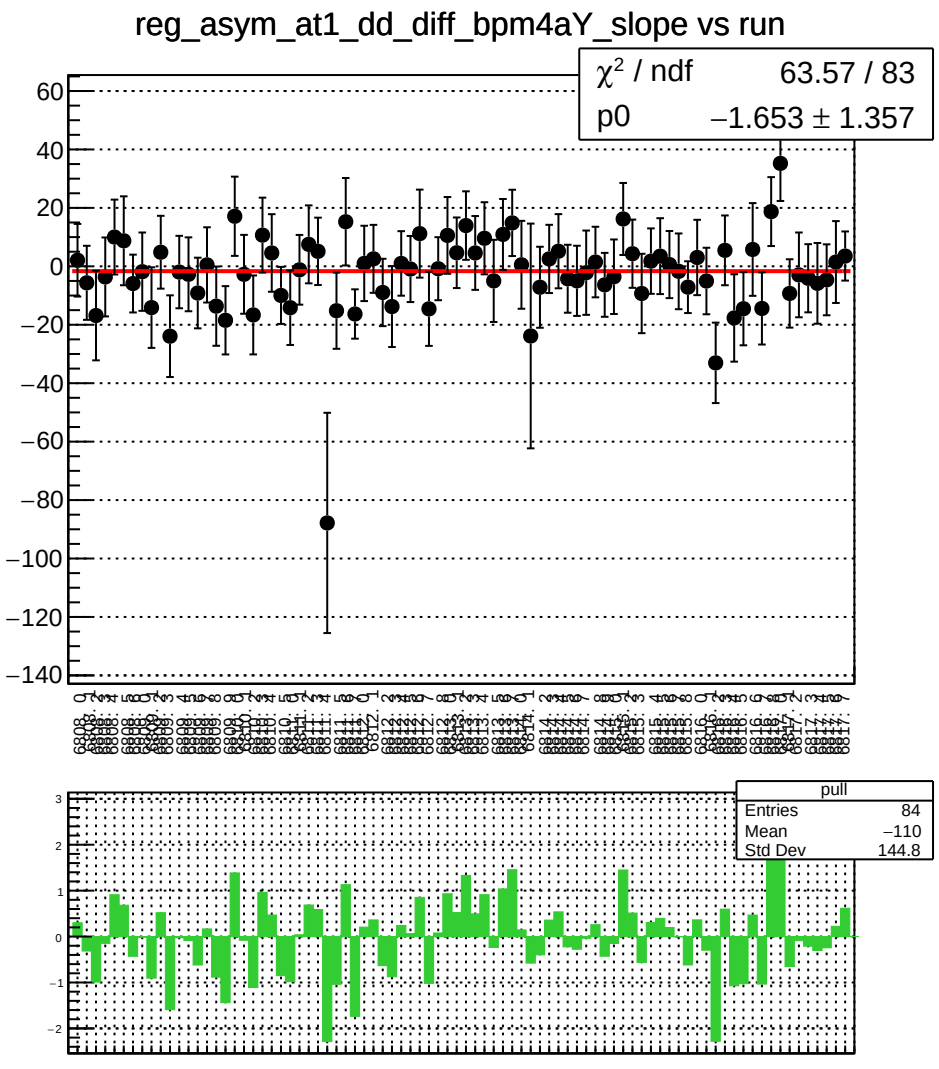

pull1D
Entries 84
Mean 0.02041
Std Dev 0.9406
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

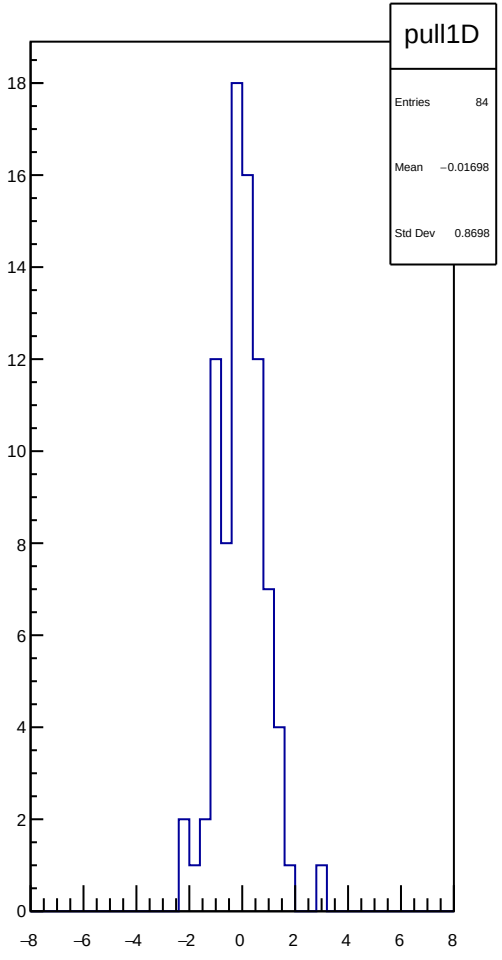

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 88.9 / 83
p0 −15.86 ± 0.08499
pull
Entries 84
Mean −40.16
Std Dev 92.25

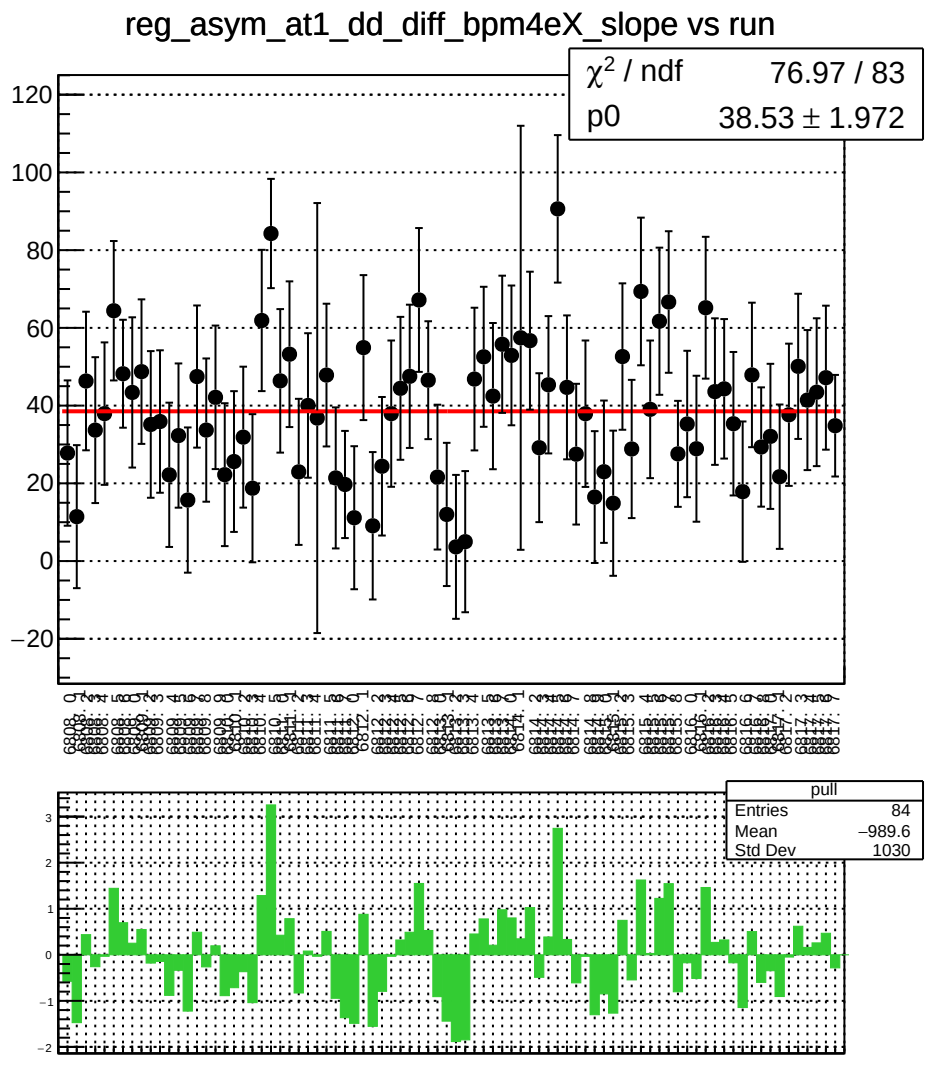

pull1D
Entries 84
Mean 0.006087
Std Dev 1.029

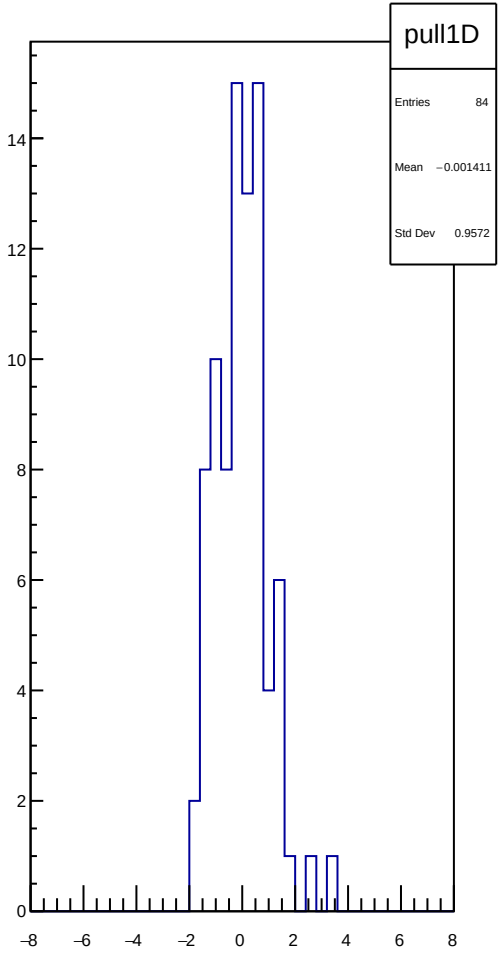

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 73.42 / 83
p0 8.981 ± 2.109
pull
Entries 84
Mean −1032
Std Dev 1073

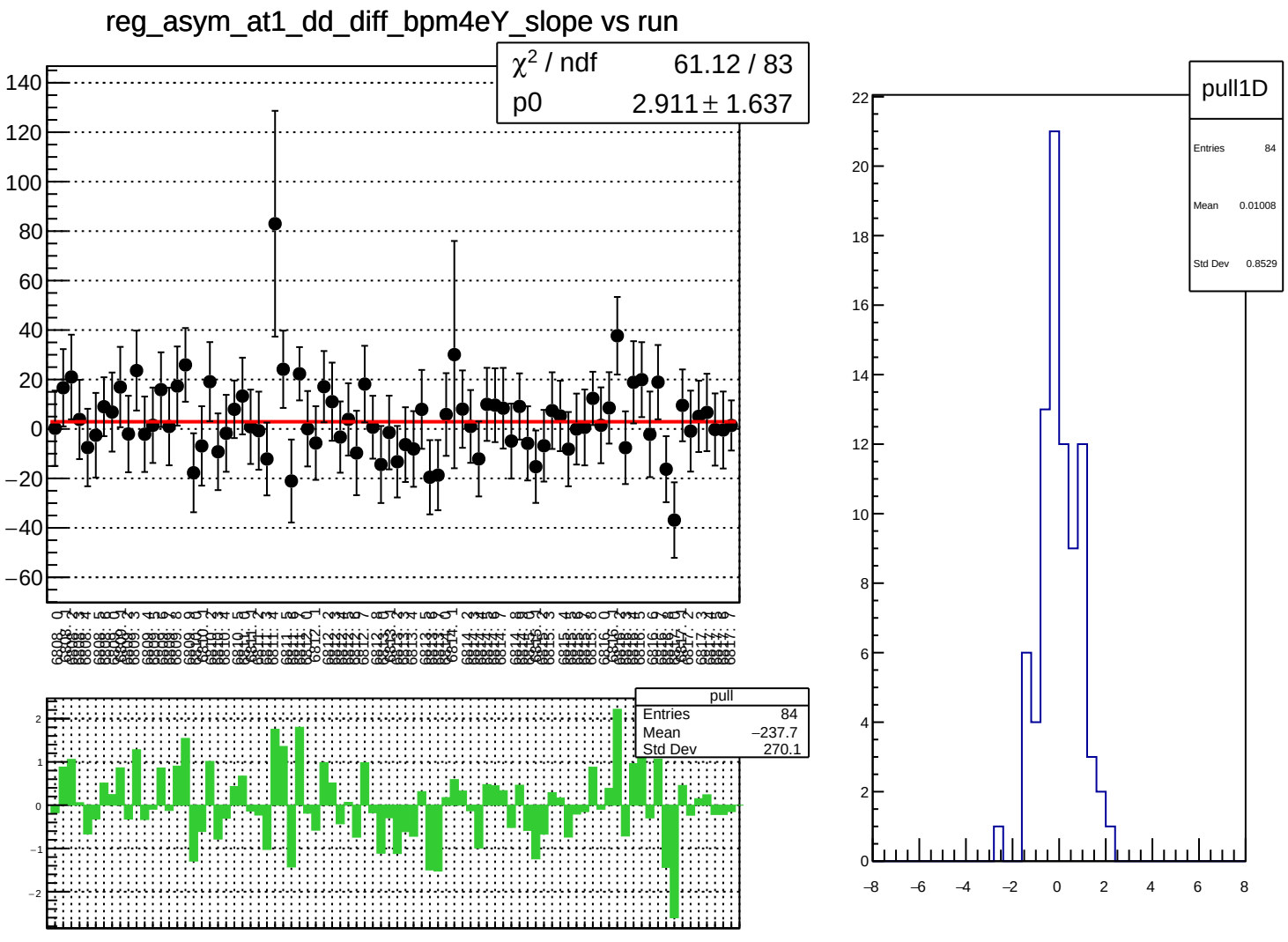

pull1D
Entries 84
Mean 0.001093
Std Dev 0.9349

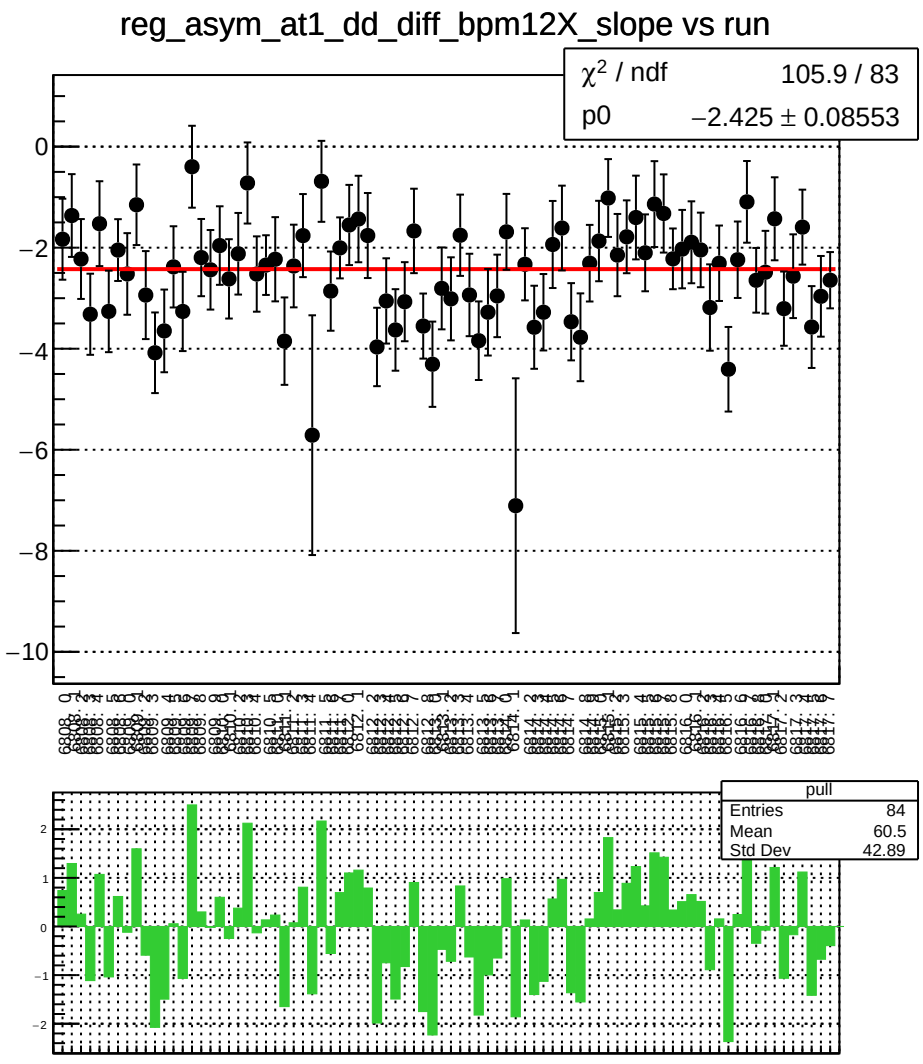

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.57 / 83
p0 −1.653 ± 1.357
pull
Entries 84
Mean −110
Std Dev 144.8

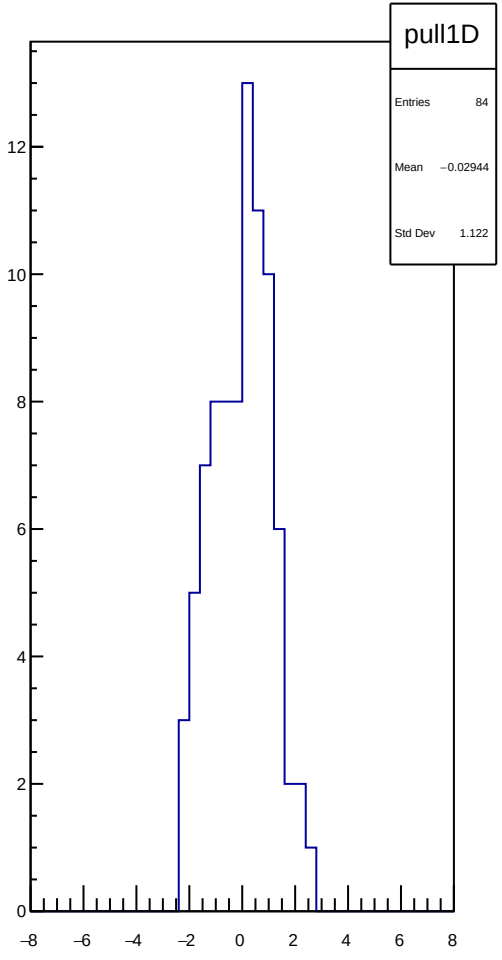

pull1D
Entries 84
Mean −0.01698
Std Dev 0.8698

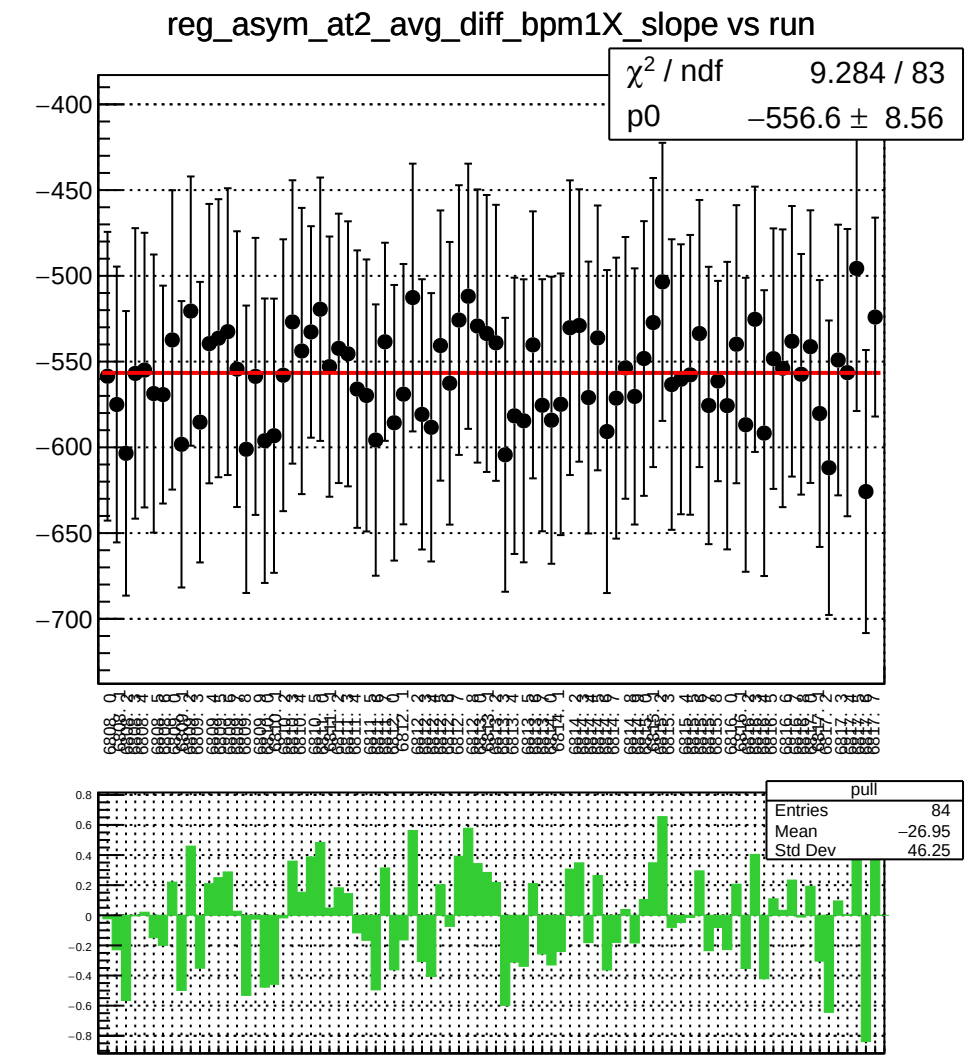

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.97 / 83
p0 38.53 ± 1.972
pull
Entries 84
Mean −989.6
Std Dev 1030

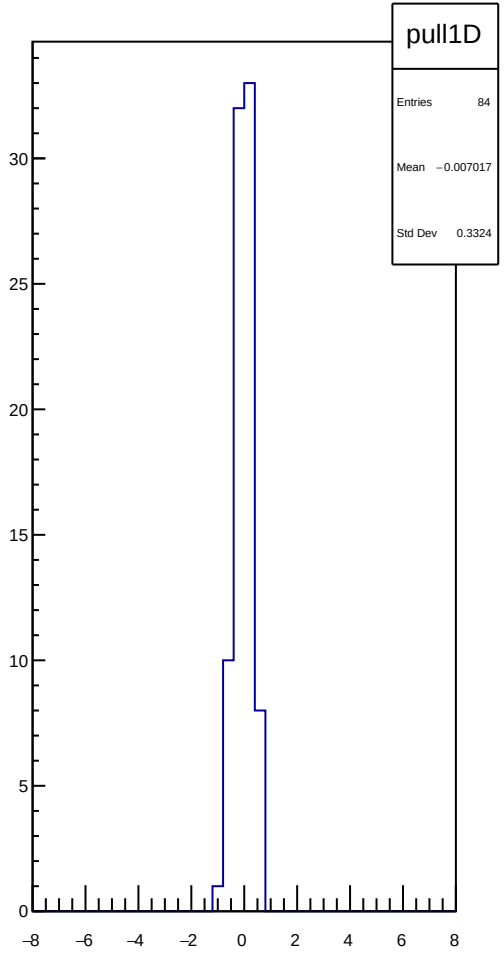

pull1D
Entries 84
Mean −0.001411
Std Dev 0.9572

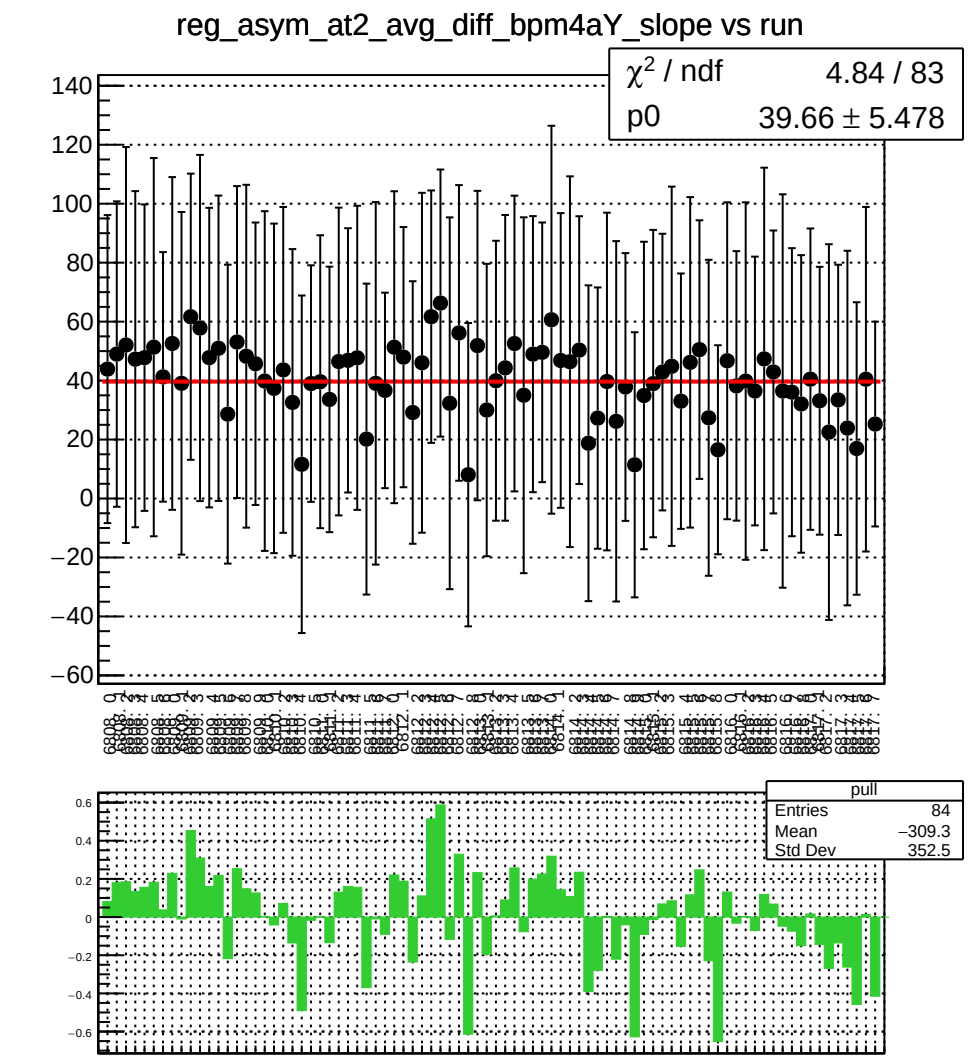

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.12 / 83
p0 2.911 ± 1.637
pull
Entries 84
Mean −237.7
Std Dev 270.1
pull1D
Entries 84
Mean 0.01008
Std Dev 0.8529

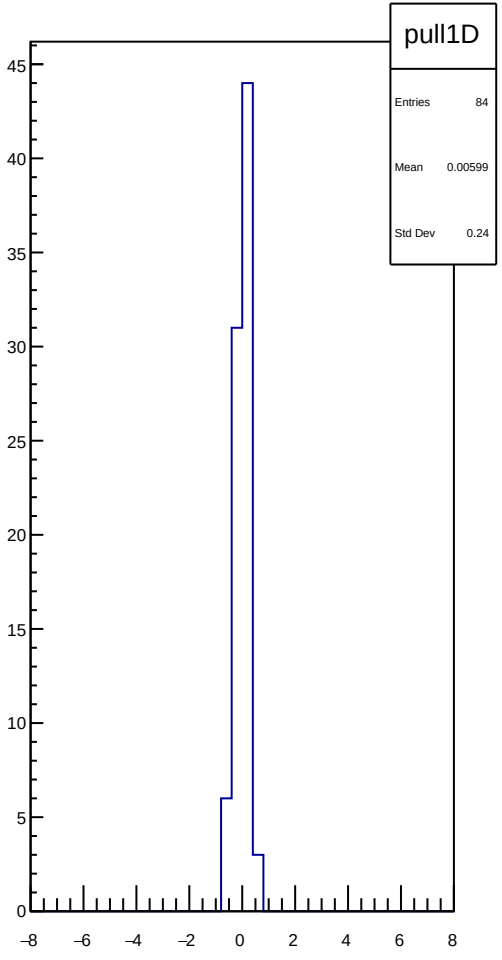

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 105.9 / 83
p0 −2.425 ± 0.08553
pull
Entries 84
Mean 60.5
Std Dev 42.89

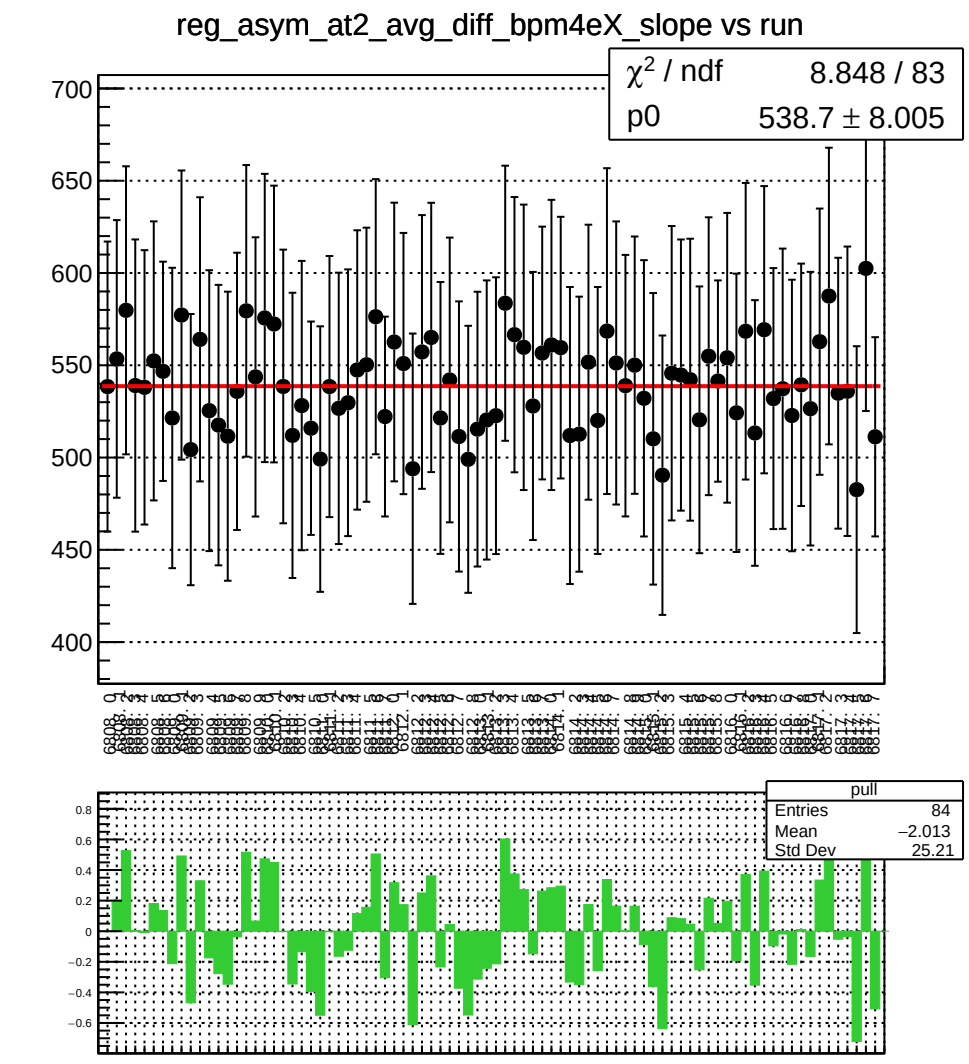

pull1D
Entries 84
Mean −0.02944
Std Dev 1.122

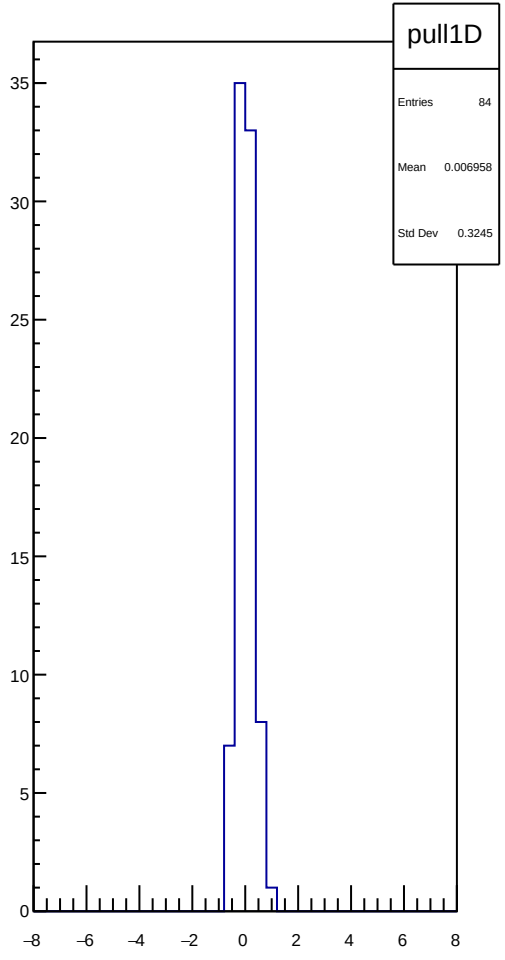

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 9.284 / 83
p0 −556.6 ± 8.56
−400
−450
−500
−550
−600
−650
−700
pull
Entries 84
Mean −26.95
Std Dev 46.25
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

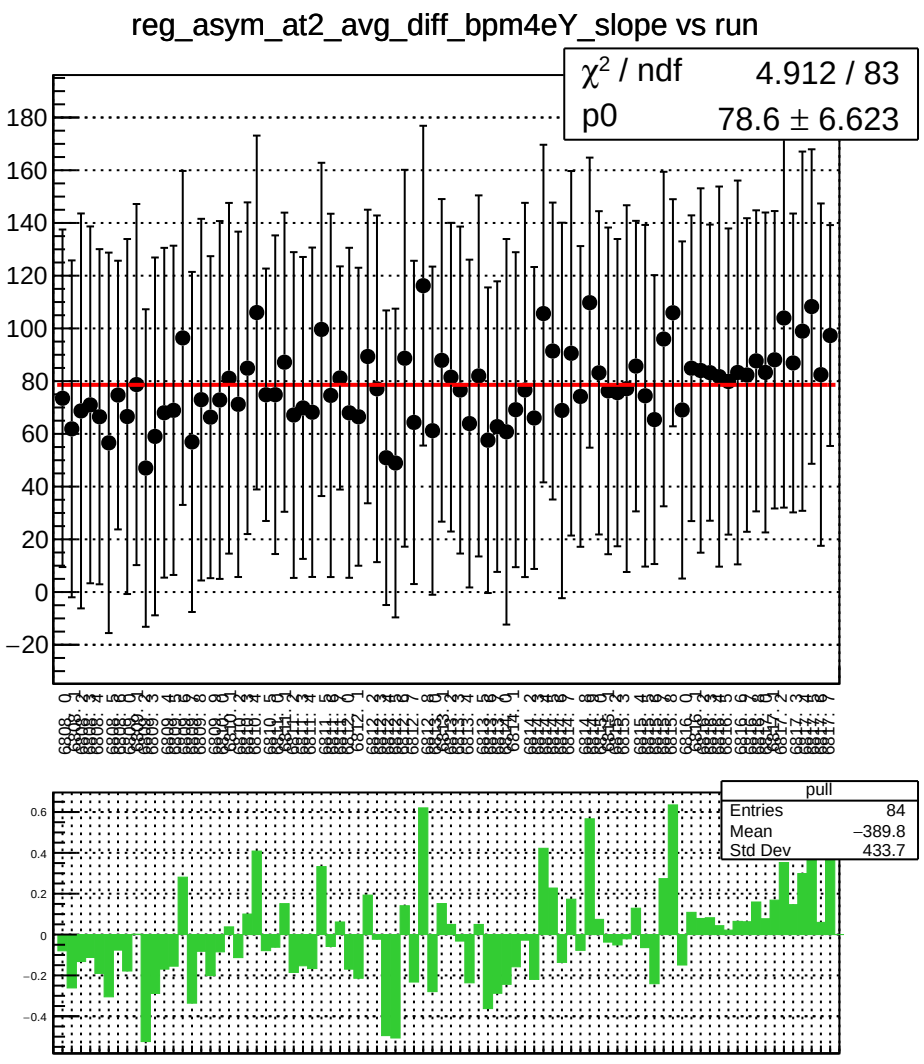

pull1D
Entries 84
Mean −0.007017
Std Dev 0.3324
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

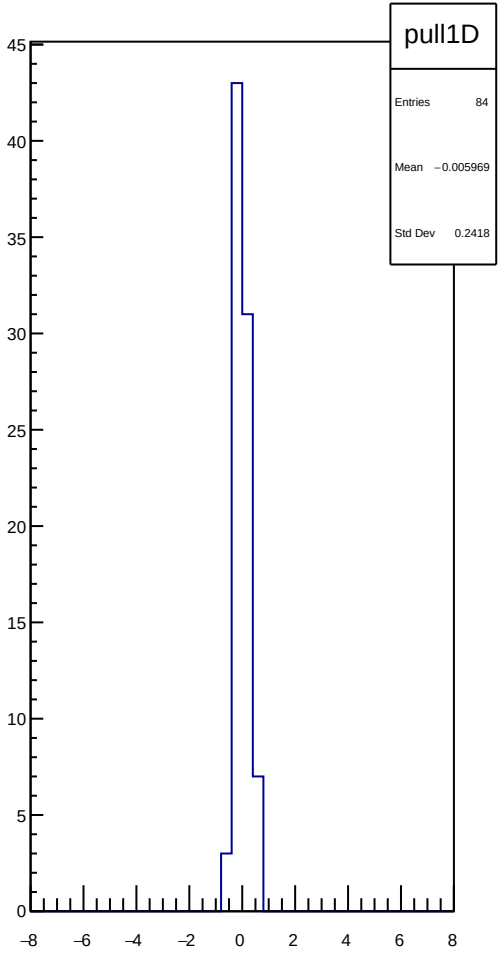

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.84 / 83
p0 39.66 ± 5.478
pull
Entries 84
Mean −309.3
Std Dev 352.5

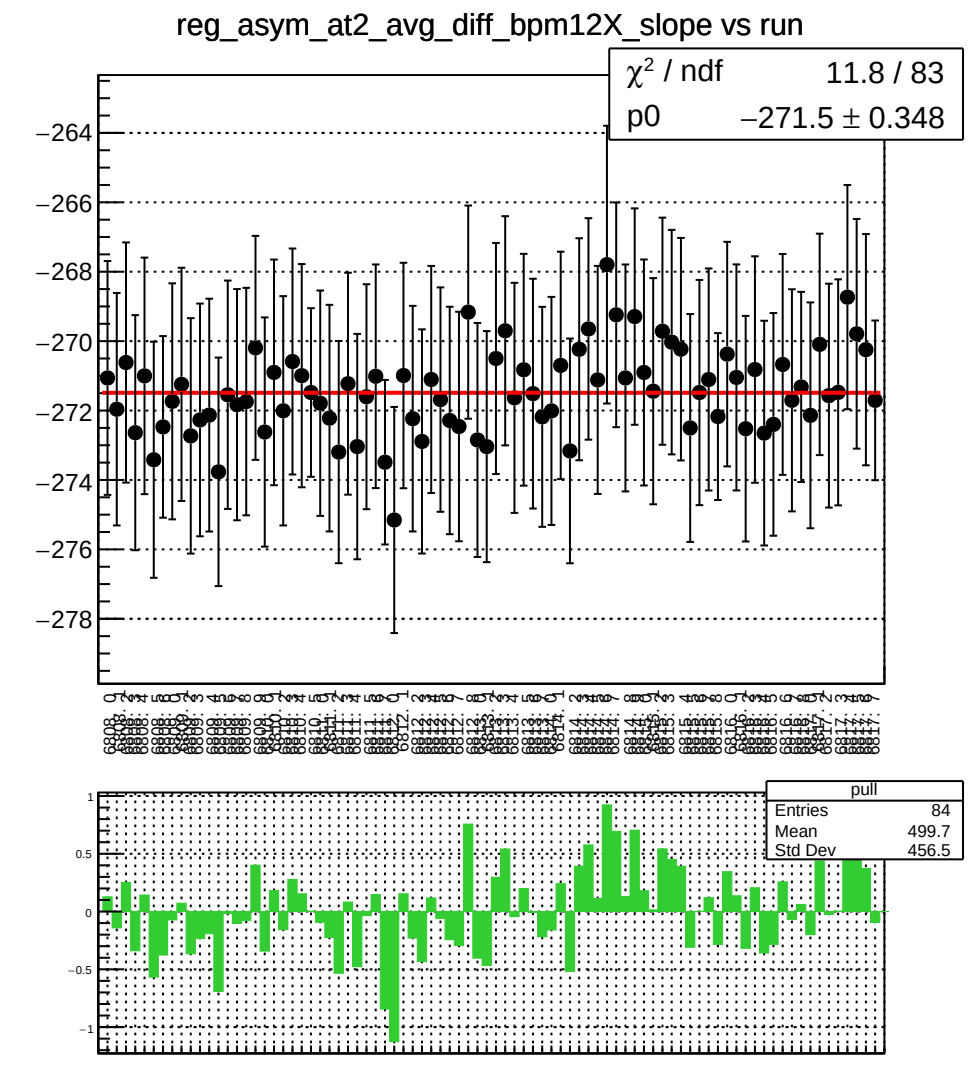

pull1D
Entries 84
Mean 0.00599
Std Dev 0.24

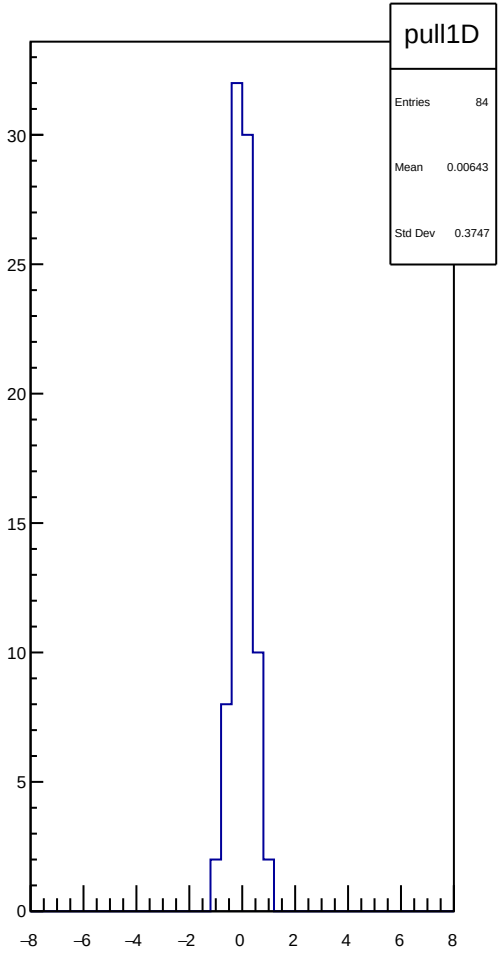

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.848 / 83
p0 538.7 ± 8.005
700
650
600
550
500
450
400
pull
Entries 84
Mean −2.013
Std Dev 25.21
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

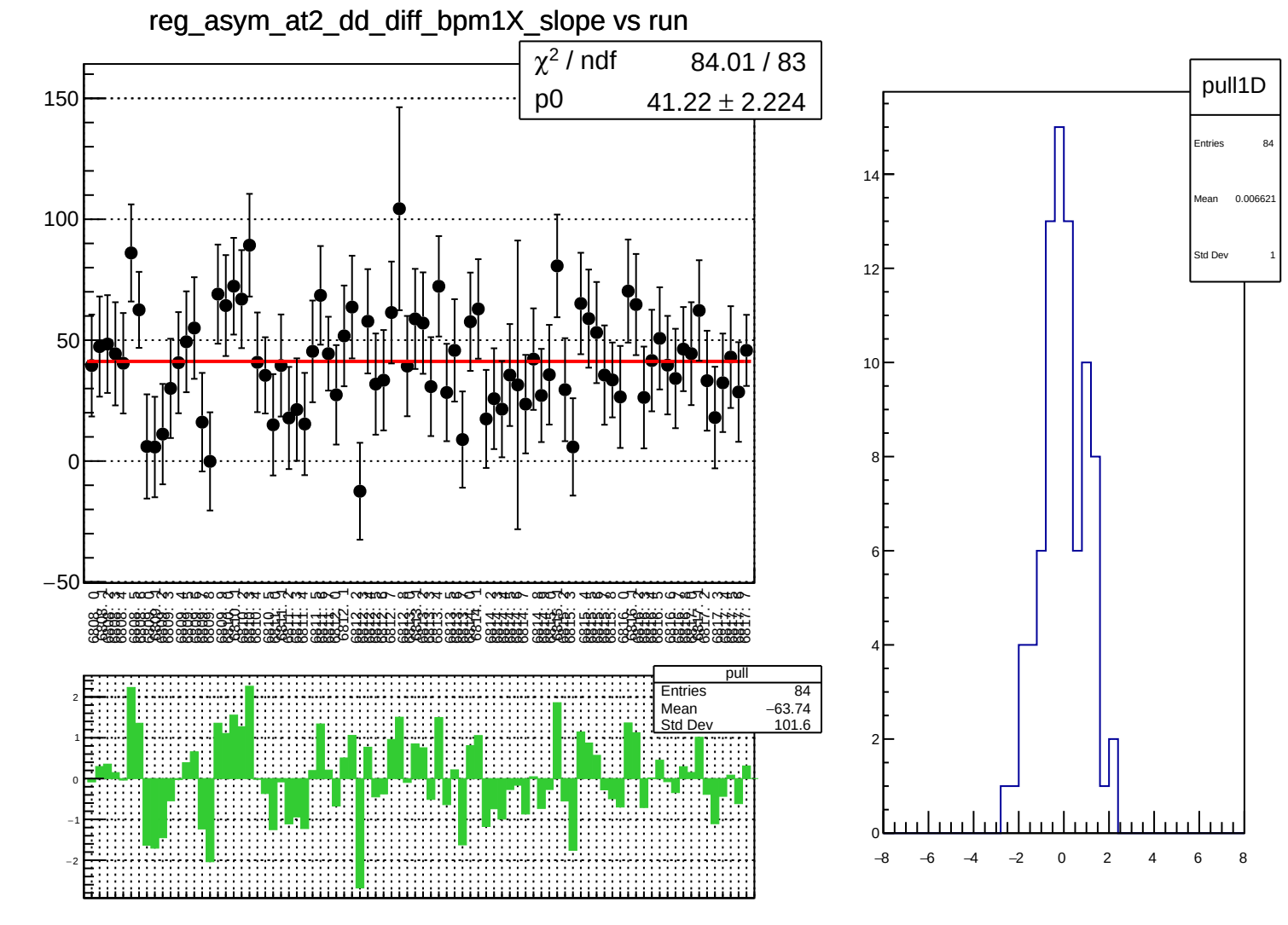

pull1D
Entries 84
Mean 0.006958
Std Dev 0.3245
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

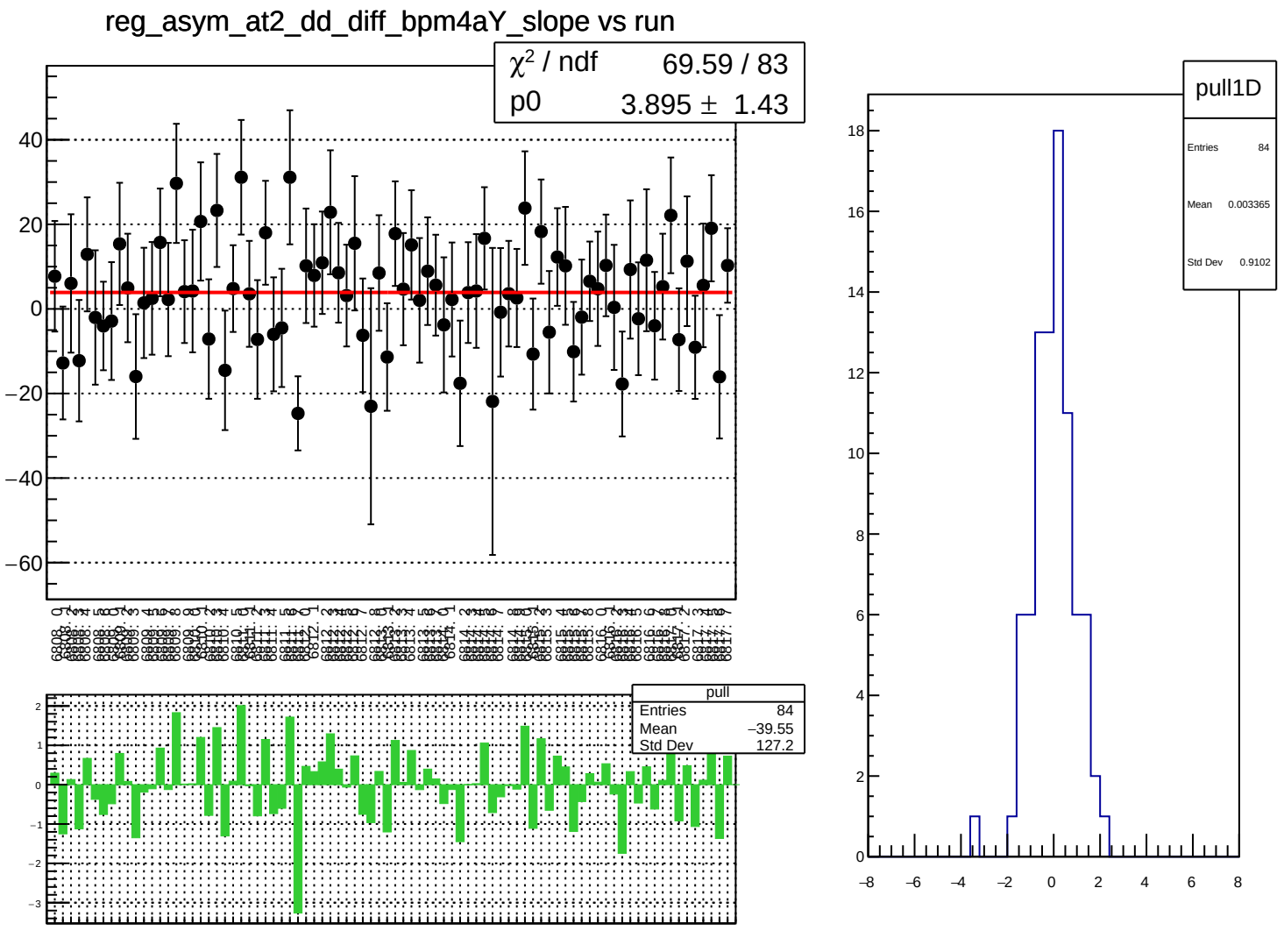

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.912 / 83
p0 78.6 ± 6.623
pull
Entries 84
Mean −389.8
Std Dev 433.7

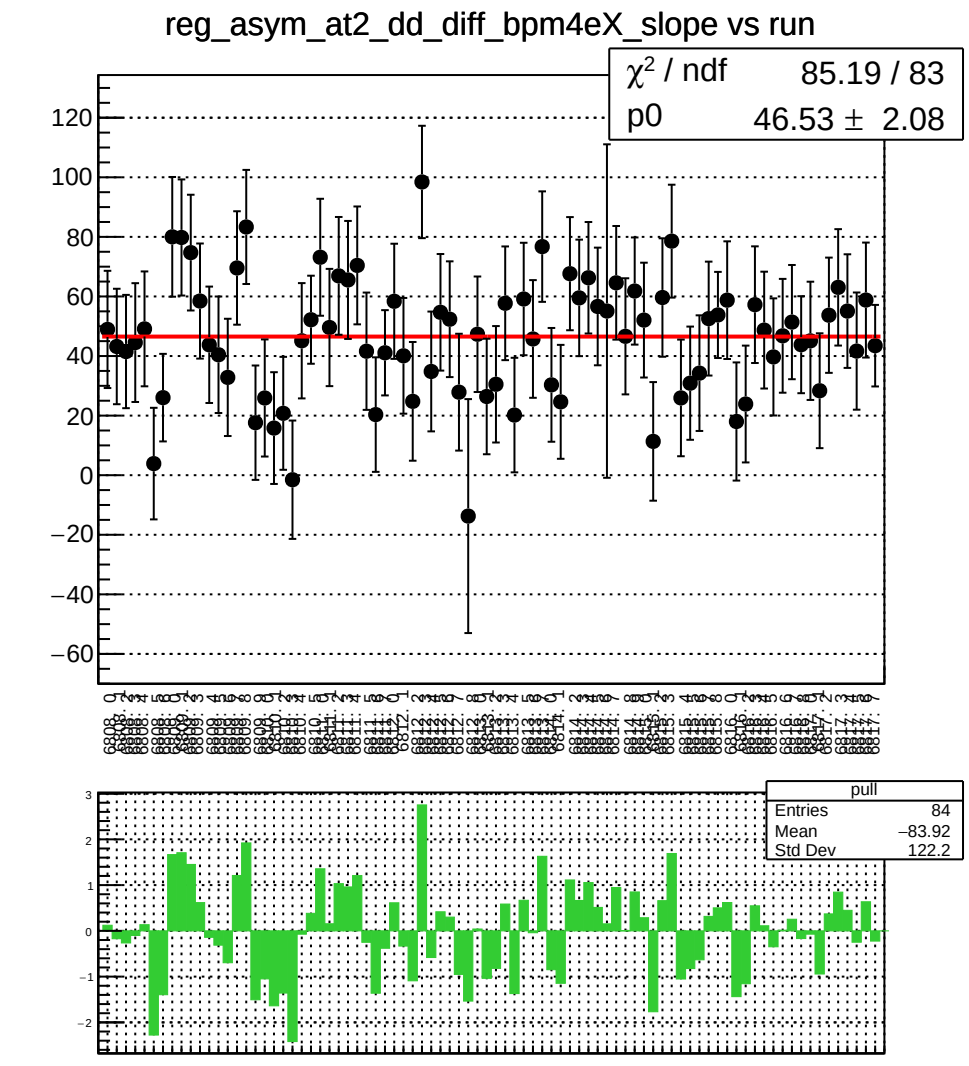

pull1D
Entries 84
Mean −0.005969
Std Dev 0.2418

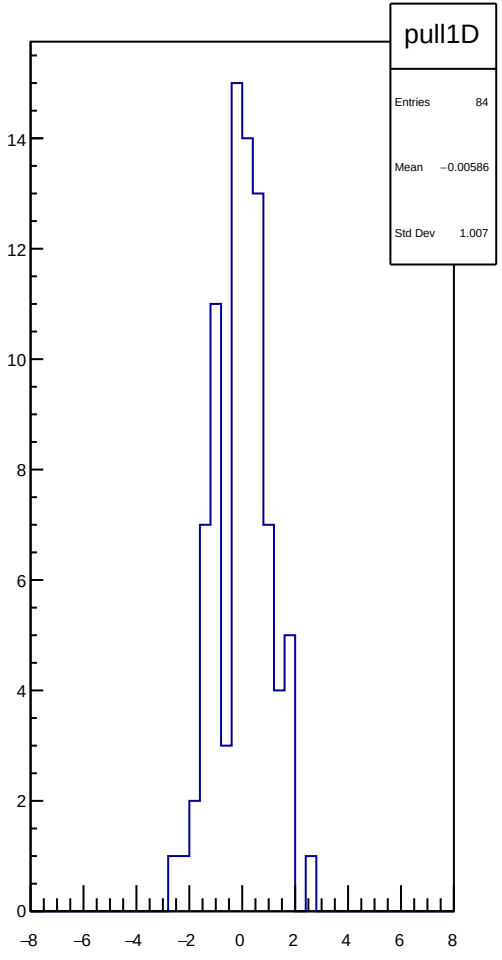

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 11.8 / 83
p0 −271.5 ± 0.348
−264
−266
−268
−270
−272
−274
−276
−278
pull
Entries 84
Mean 499.7
Std Dev 456.5
1
0.5
0
−0.5
−1

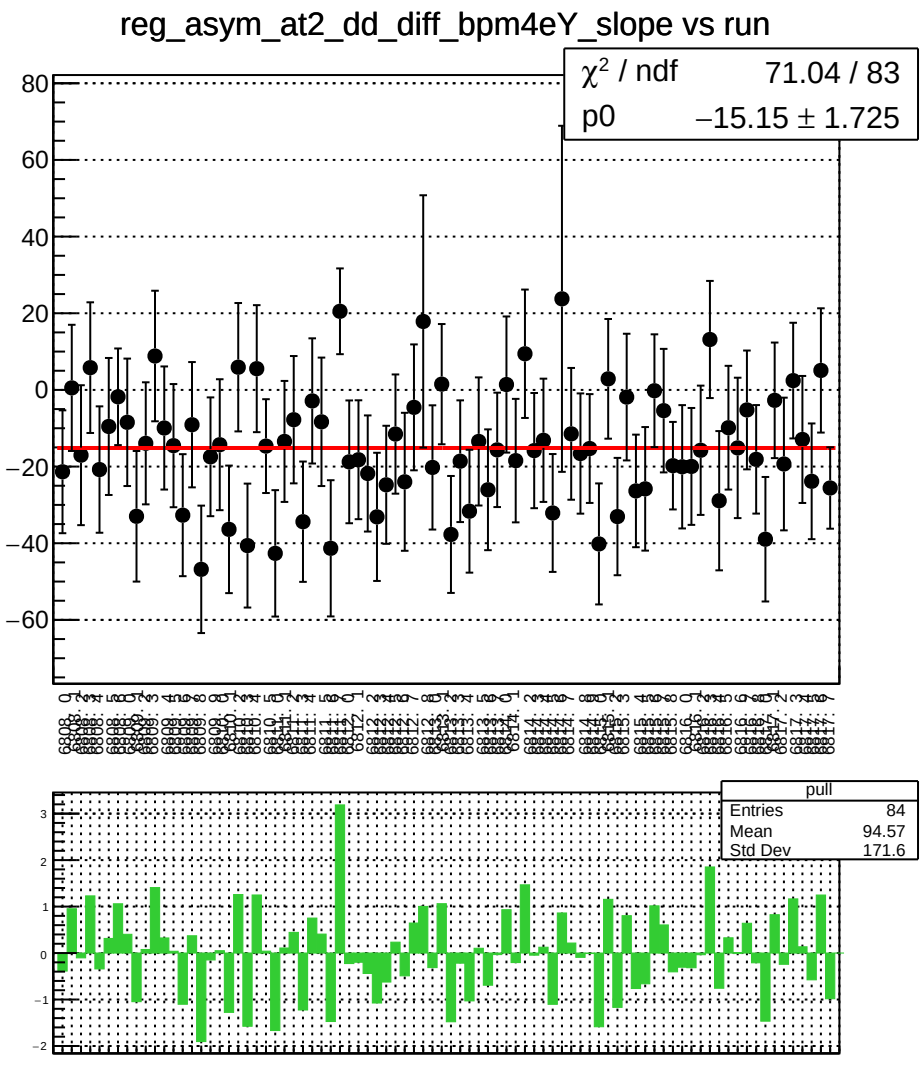

pull1D
Entries 84
Mean 0.00643
Std Dev 0.3747
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

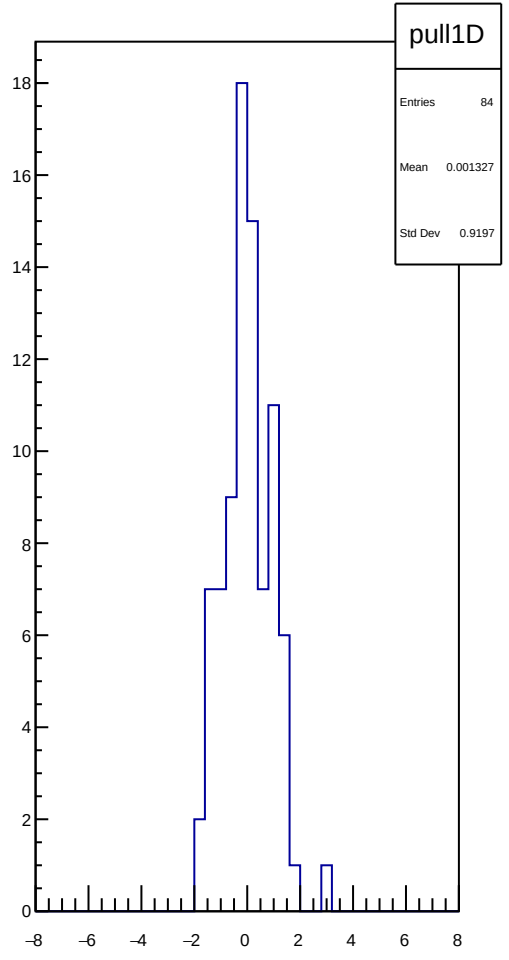

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 84.01 / 83
p0 41.22 ± 2.224
150
100
50
0
−50
pull
Entries 84
Mean −63.74
Std Dev 101.6
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.006621
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

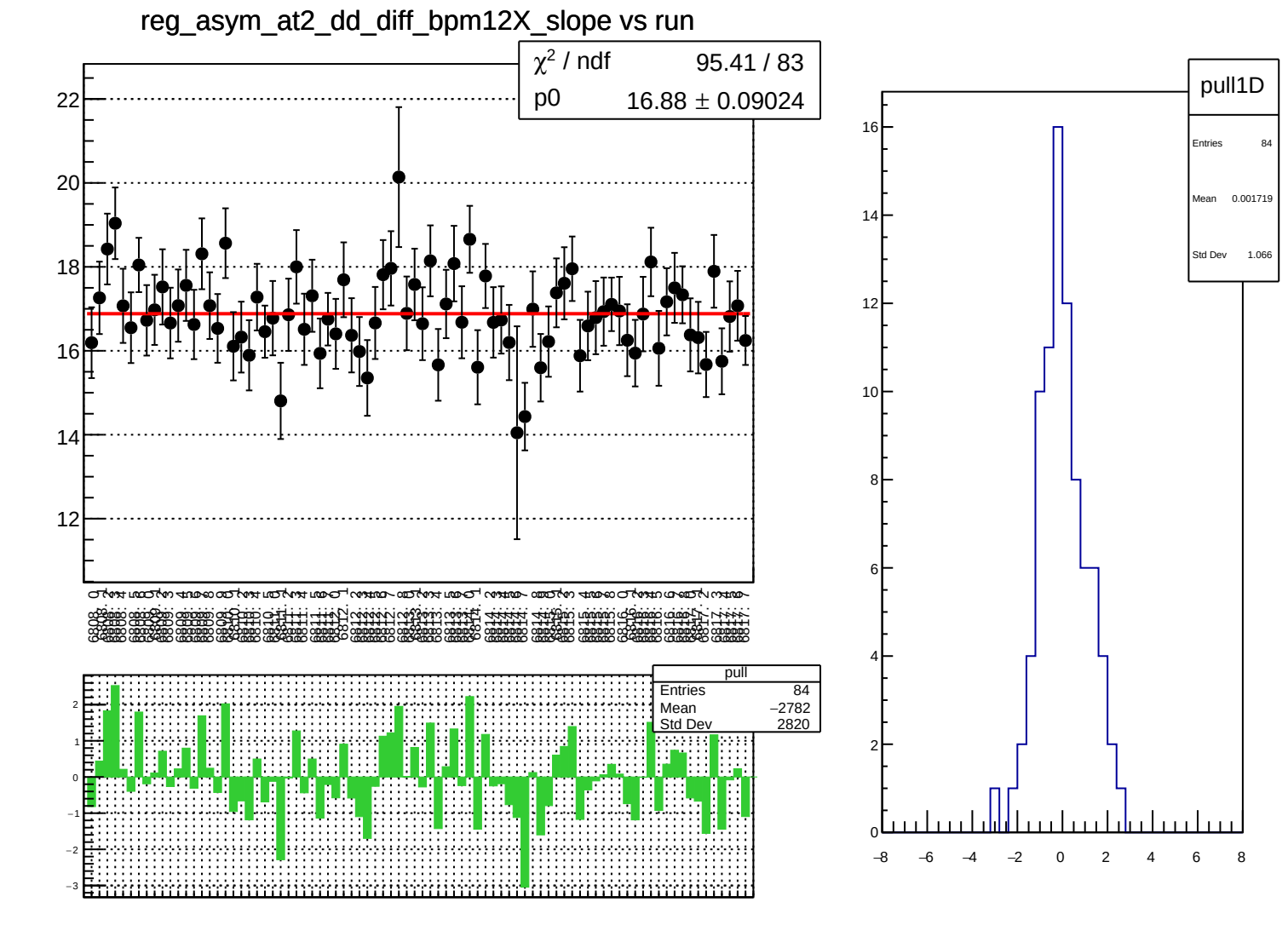

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.59 / 83
p0 3.895 ± 1.43
pull
Entries 84
Mean −39.55
Std Dev 127.2
pull1D
Entries 84
Mean 0.003365
Std Dev 0.9102

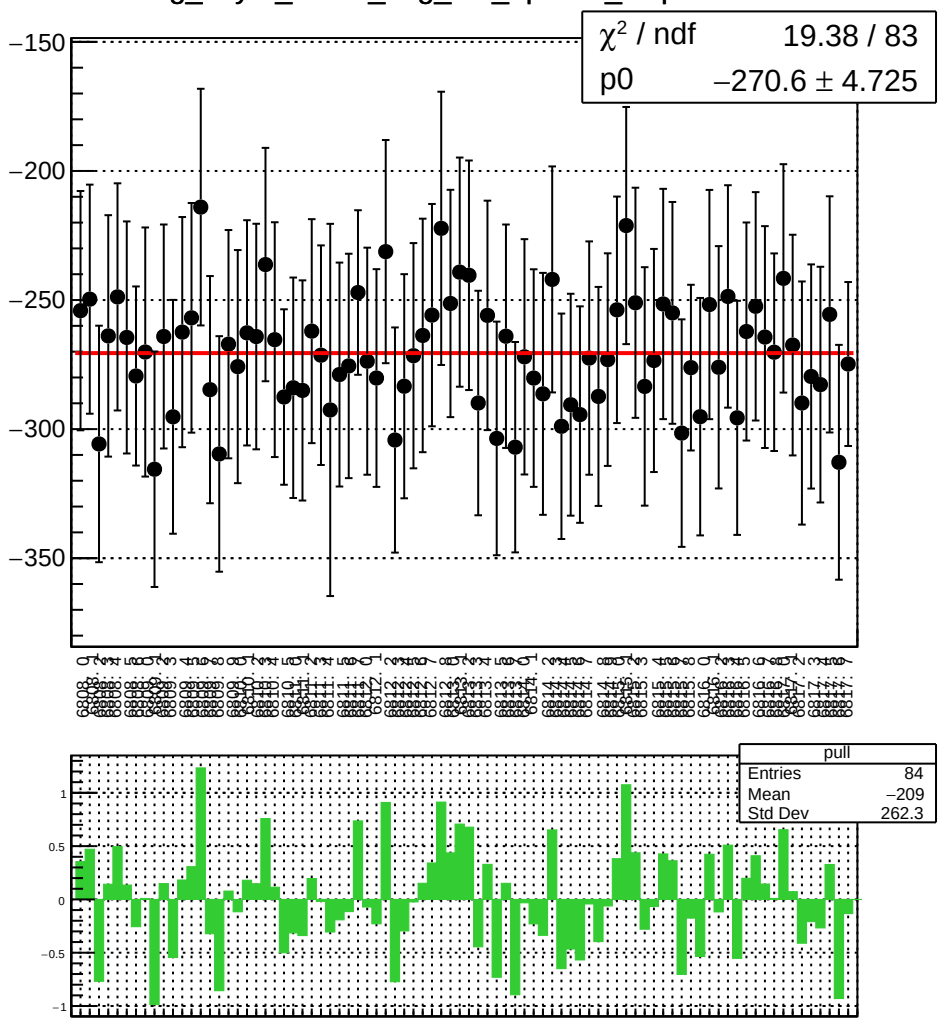

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.19 / 83
p0 46.53 ± 2.08
pull
Entries 84
Mean −83.92
Std Dev 122.2

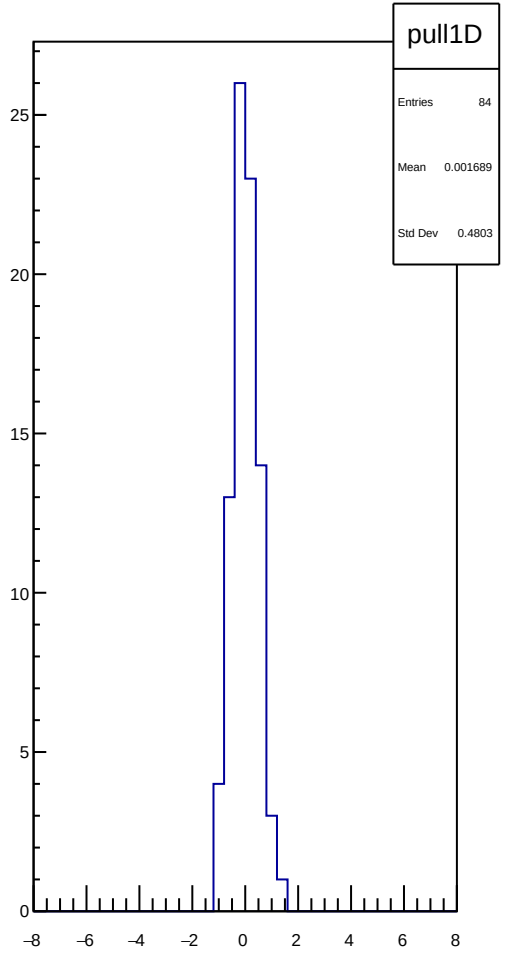

pull1D
Entries 84
Mean −0.00586
Std Dev 1.007

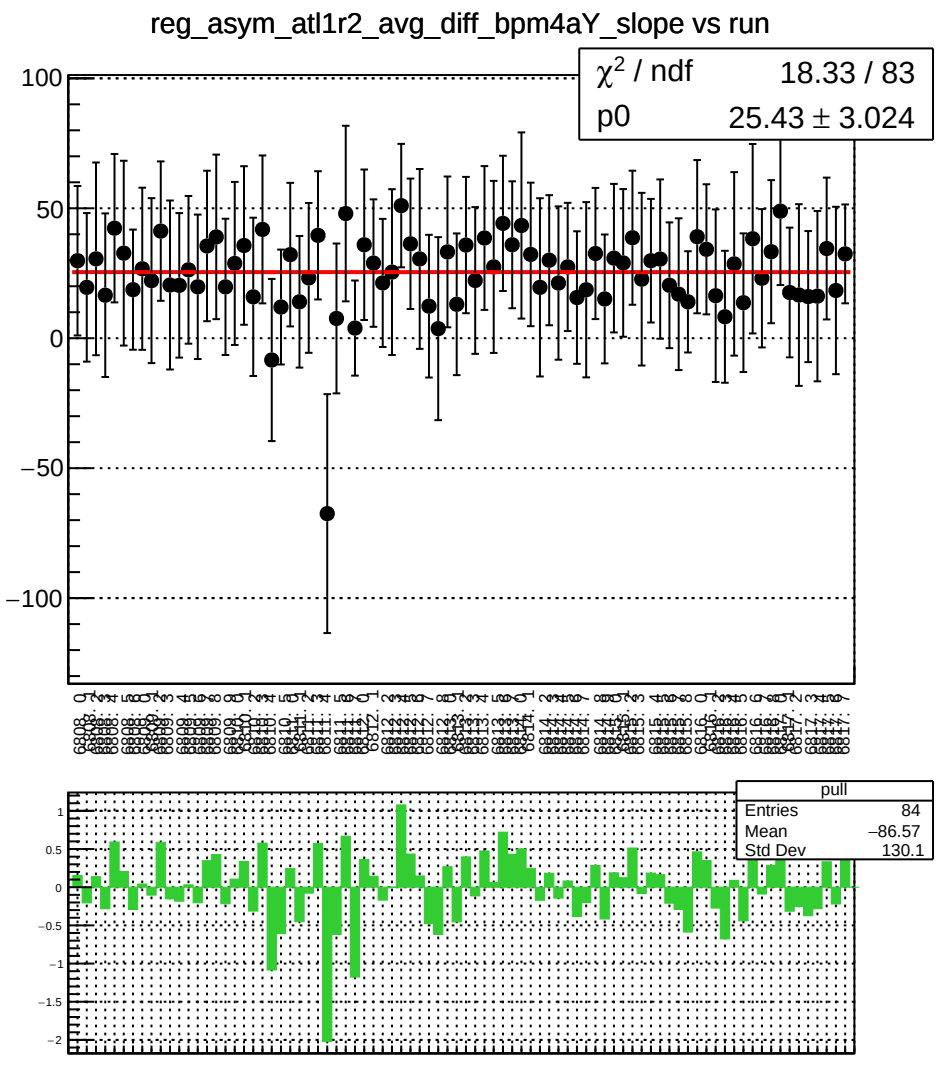

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.04 / 83
p0 −15.15 ± 1.725
pull
Entries 84
Mean 94.57
Std Dev 171.6

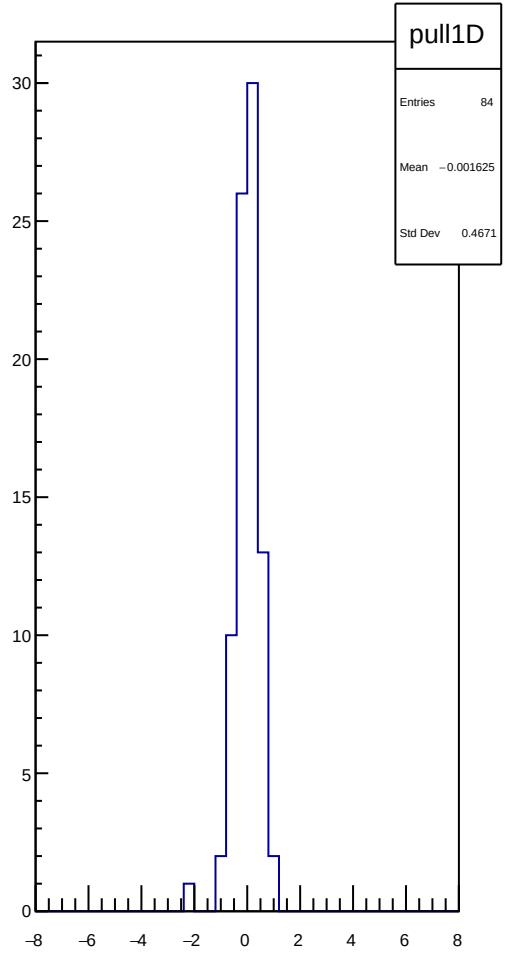

pull1D
Entries 84
Mean 0.001327
Std Dev 0.9197

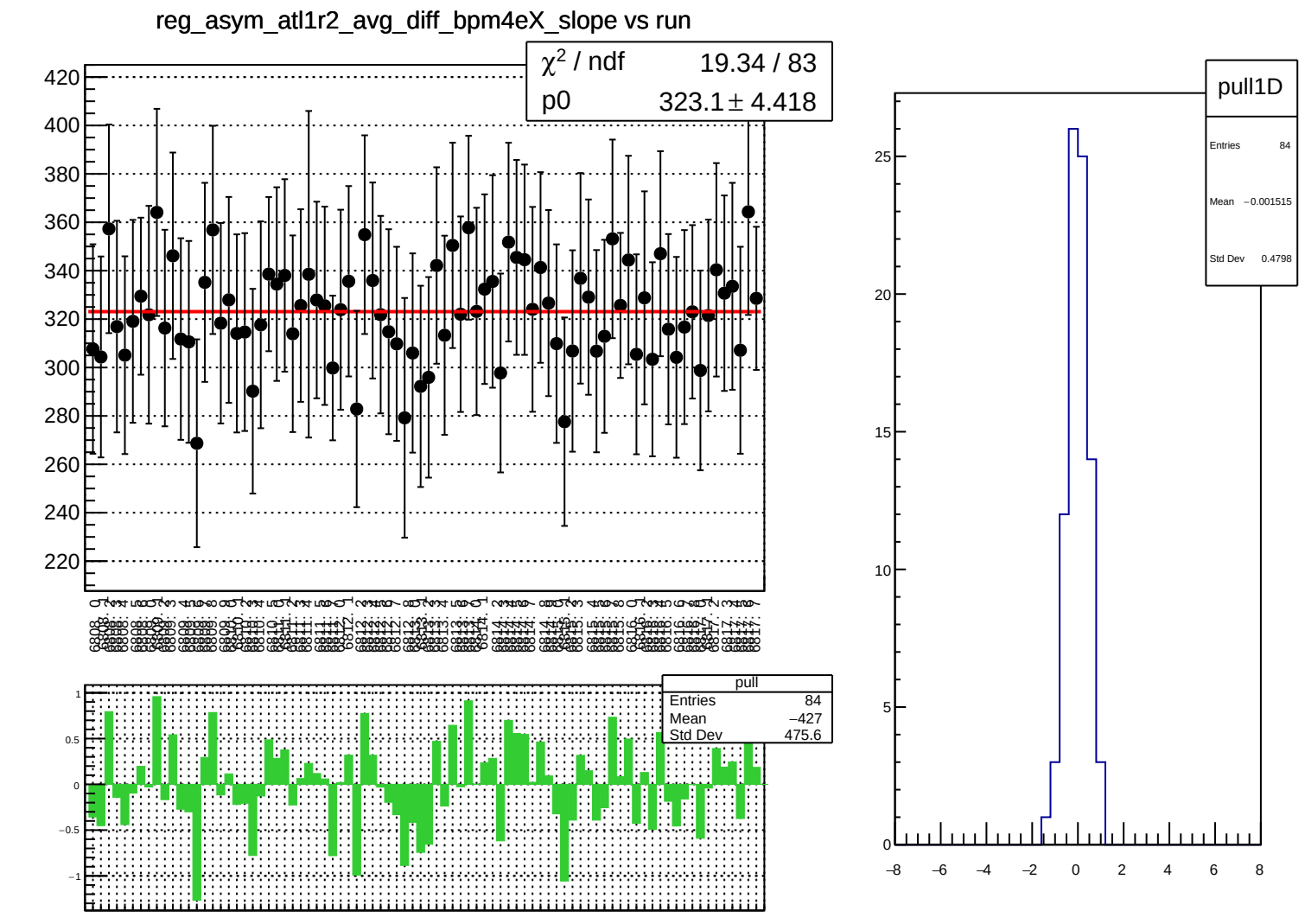

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 95.41 / 83
p0 16.88 ± 0.09024
pull
Entries 84
Mean −2782
Std Dev 2820
pull1D
Entries 84
Mean 0.001719
Std Dev 1.066

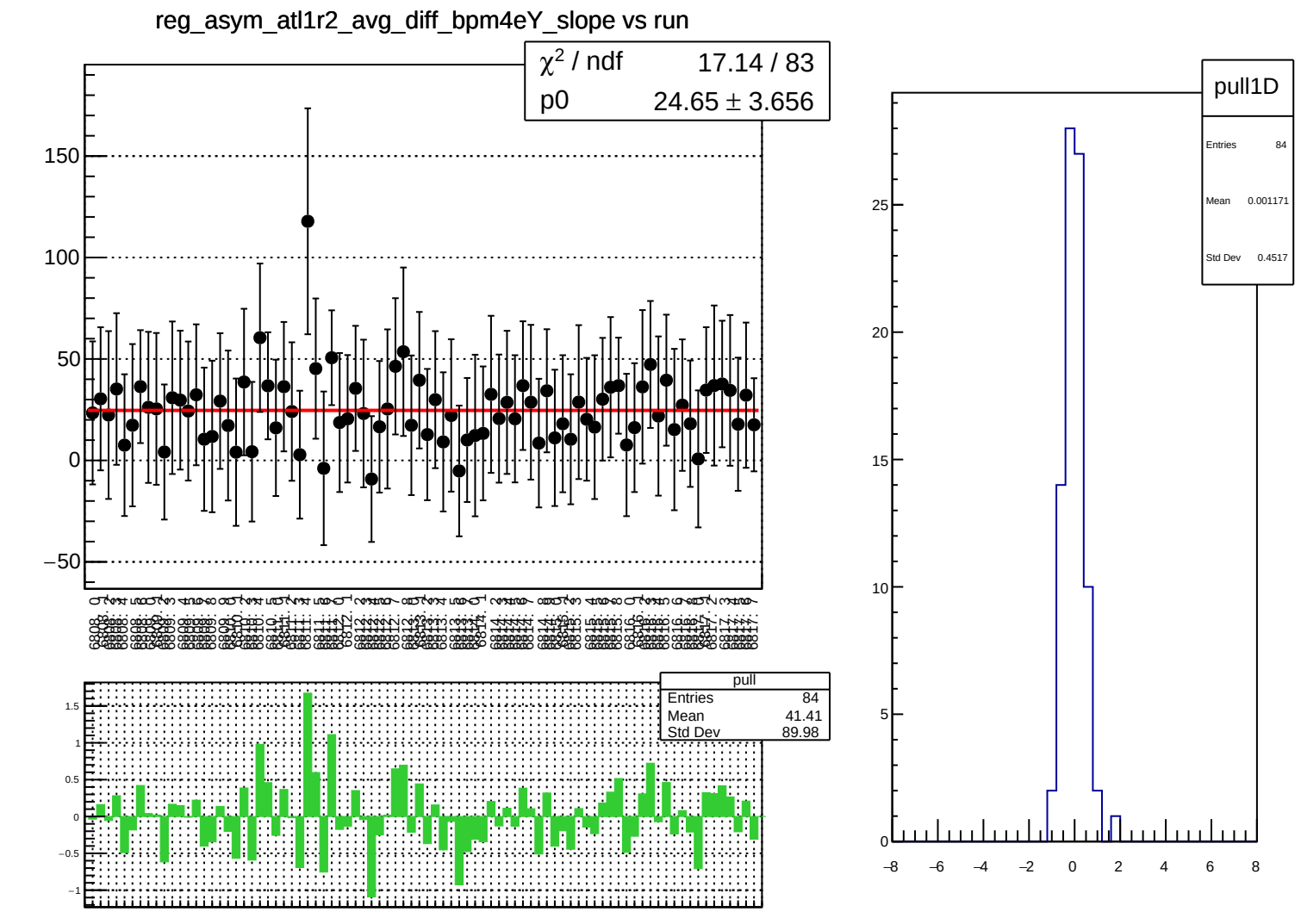

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 19.38 / 83
p0 −270.6 ± 4.725
−150
−200
−250
−300
−350
pull
Entries 84
Mean −209
Std Dev 262.3
1
0.5
0
−0.5
−1

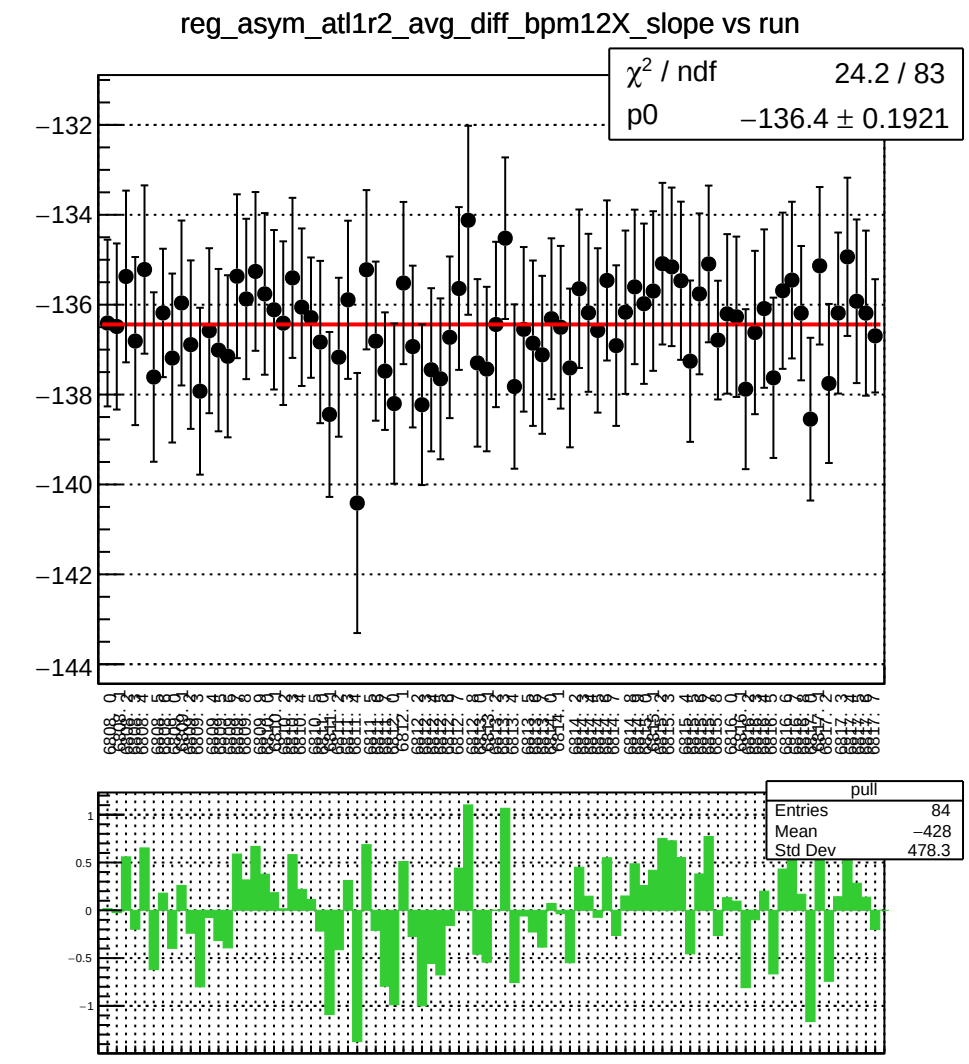

pull1D
Entries 84
Mean 0.001689
Std Dev 0.4803
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

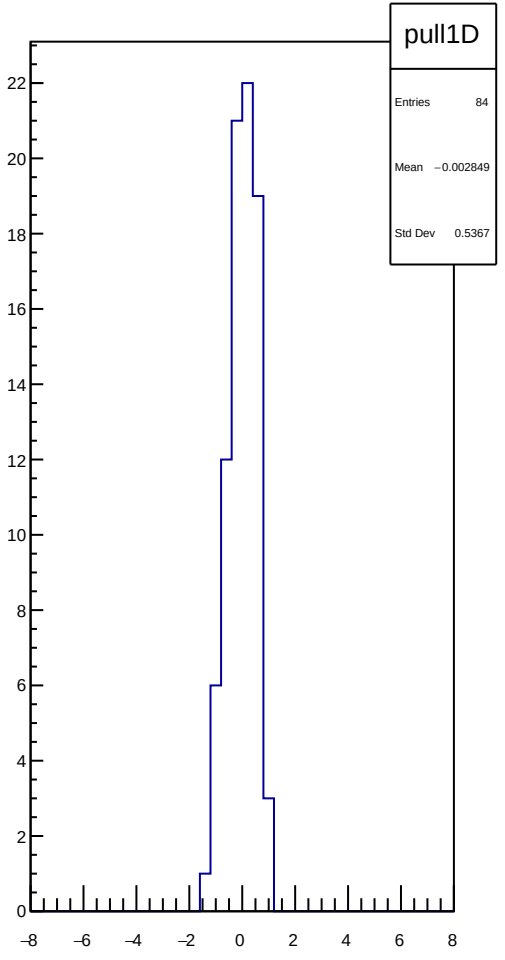

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.33 / 83
p0 25.43 ± 3.024
100
50
0
−50
−100
pull
Entries 84
Mean −86.57
Std Dev 130.1
1
0.5
0
−0.5
−1
−1.5
−2

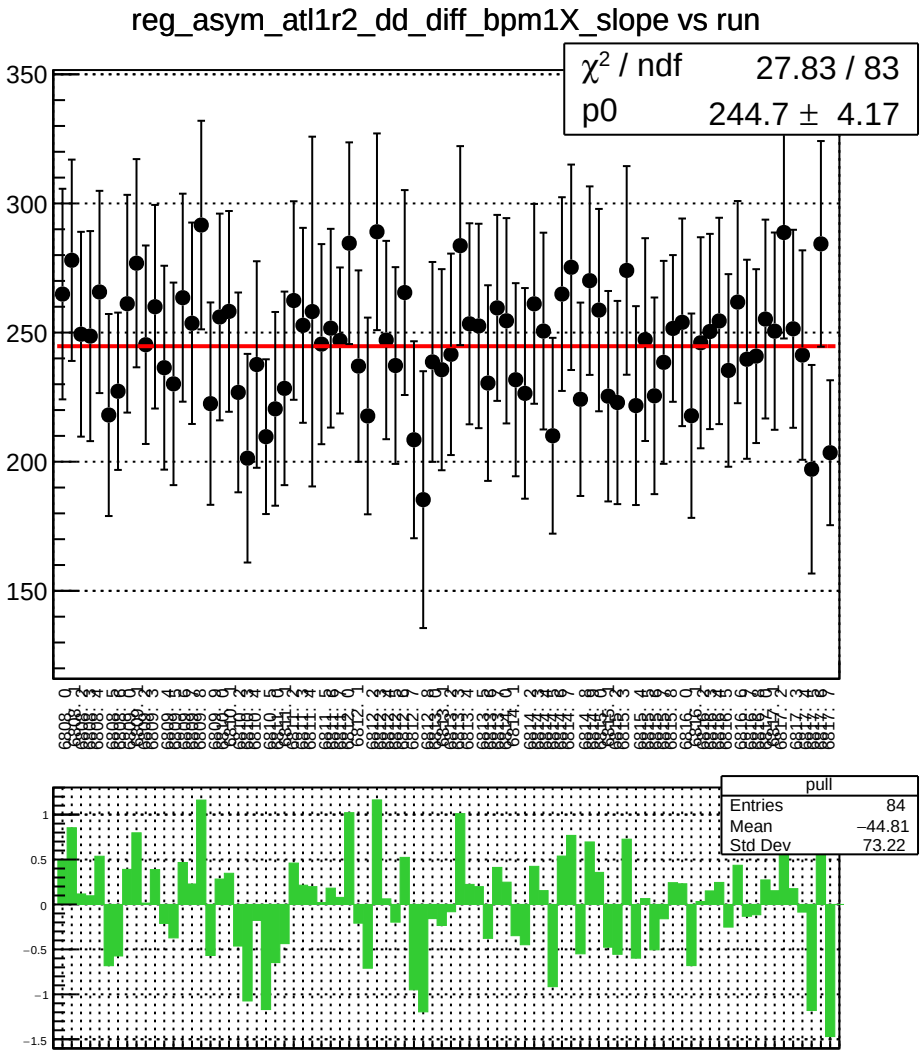

pull1D
Entries 84
Mean −0.001625
Std Dev 0.4671
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

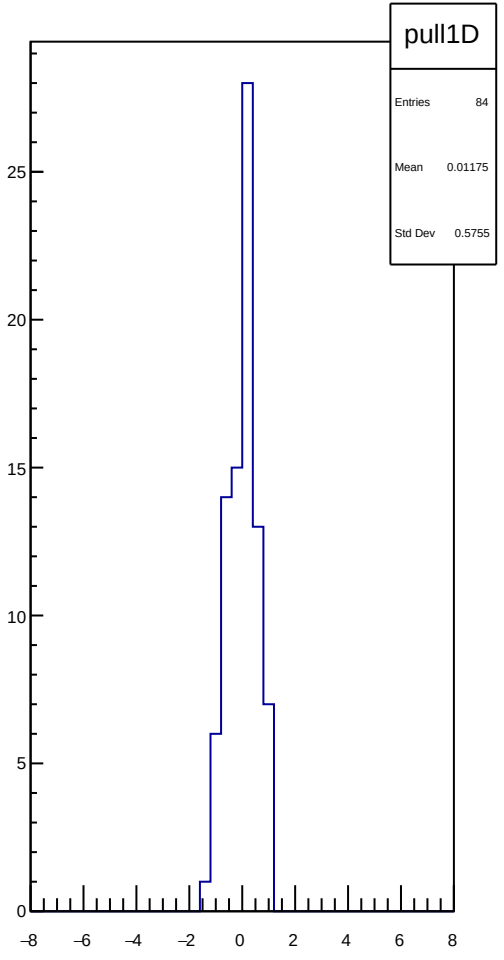

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.34 / 83
p0 323.1 ± 4.418
pull
Entries 84
Mean −427
Std Dev 475.6
pull1D
Entries 84
Mean −0.001515
Std Dev 0.4798

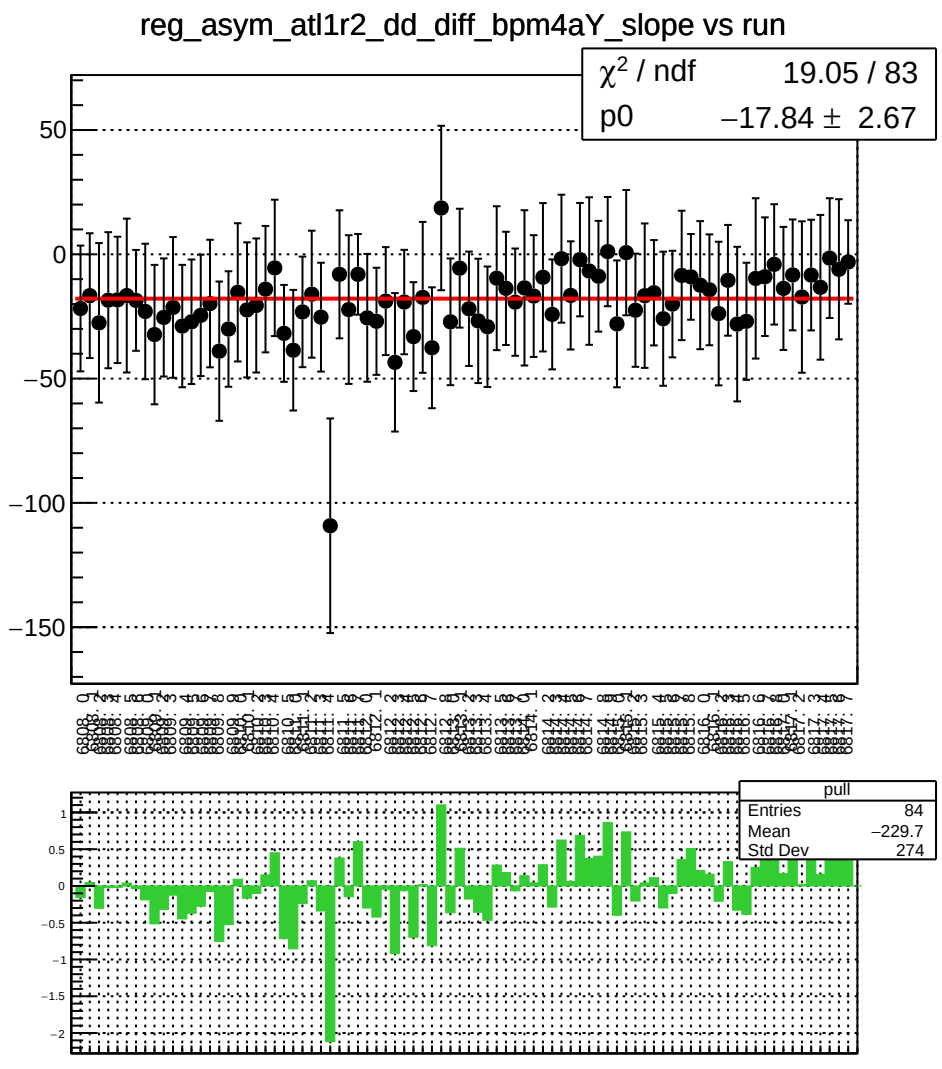

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.14 / 83
p0 24.65 ± 3.656
150
100
50
0
−50
pull
Entries 84
Mean 41.41
Std Dev 89.98
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean 0.001171
Std Dev 0.4517
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

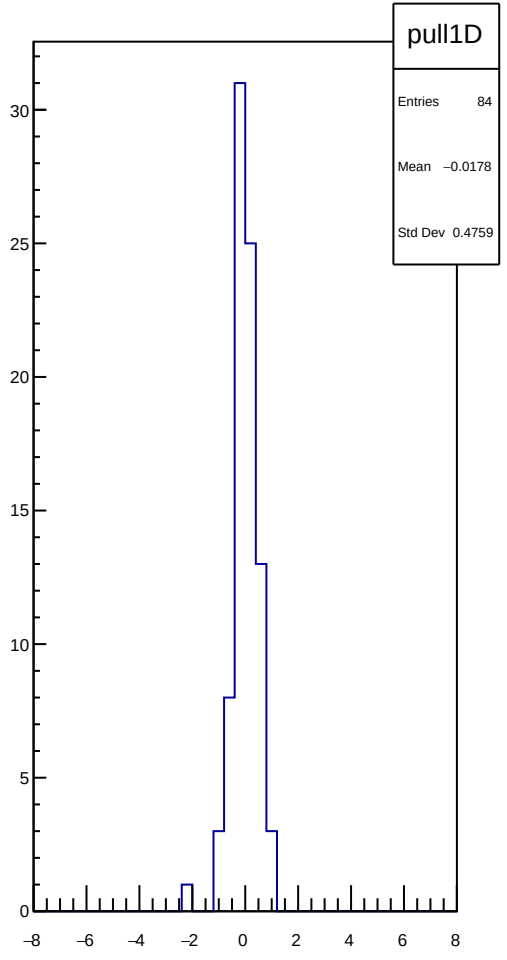

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 24.2 / 83
p0 −136.4 ± 0.1921
pull
Entries 84
Mean −428
Std Dev 478.3

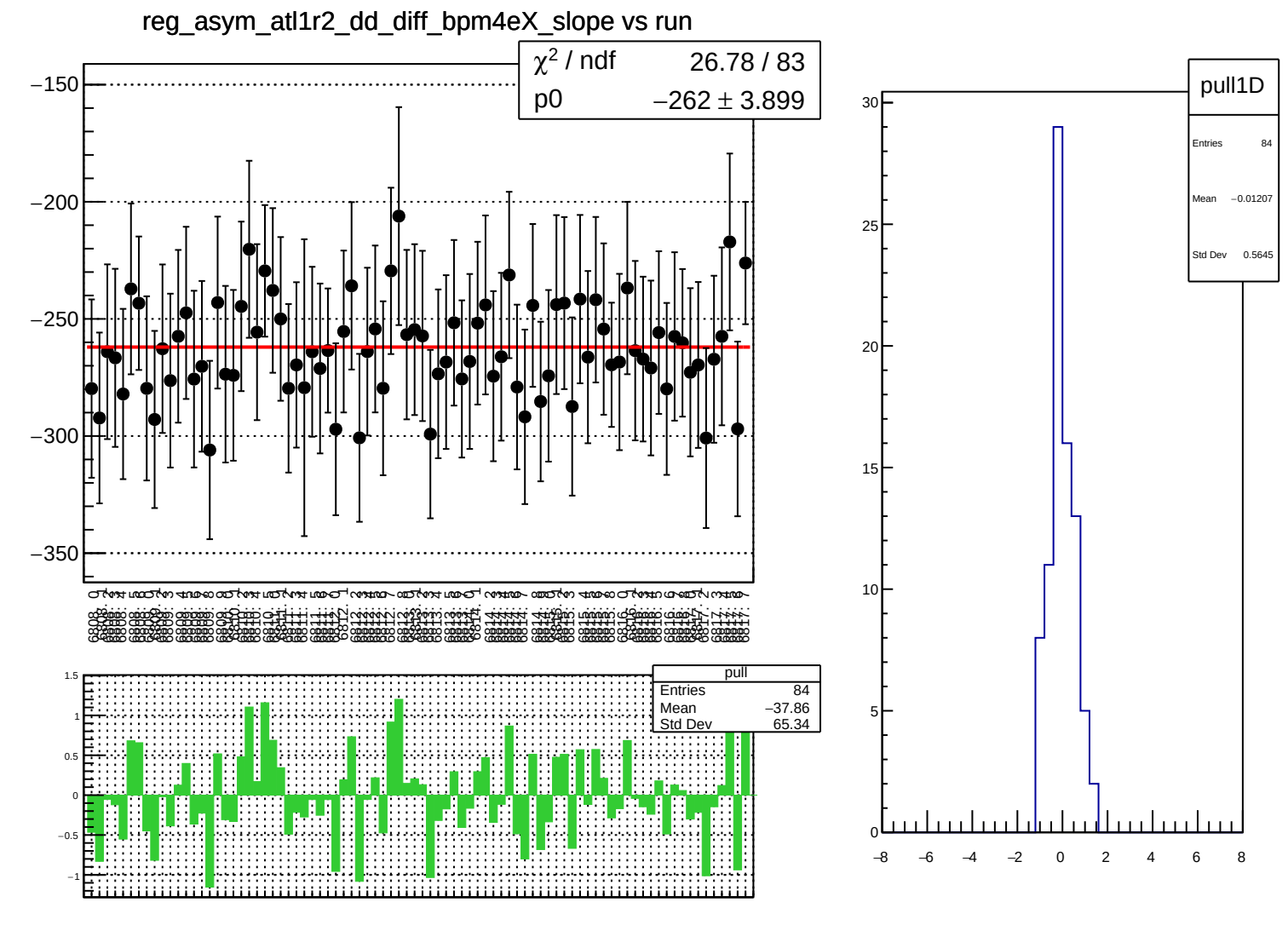

pull1D
Entries 84
Mean −0.002849
Std Dev 0.5367

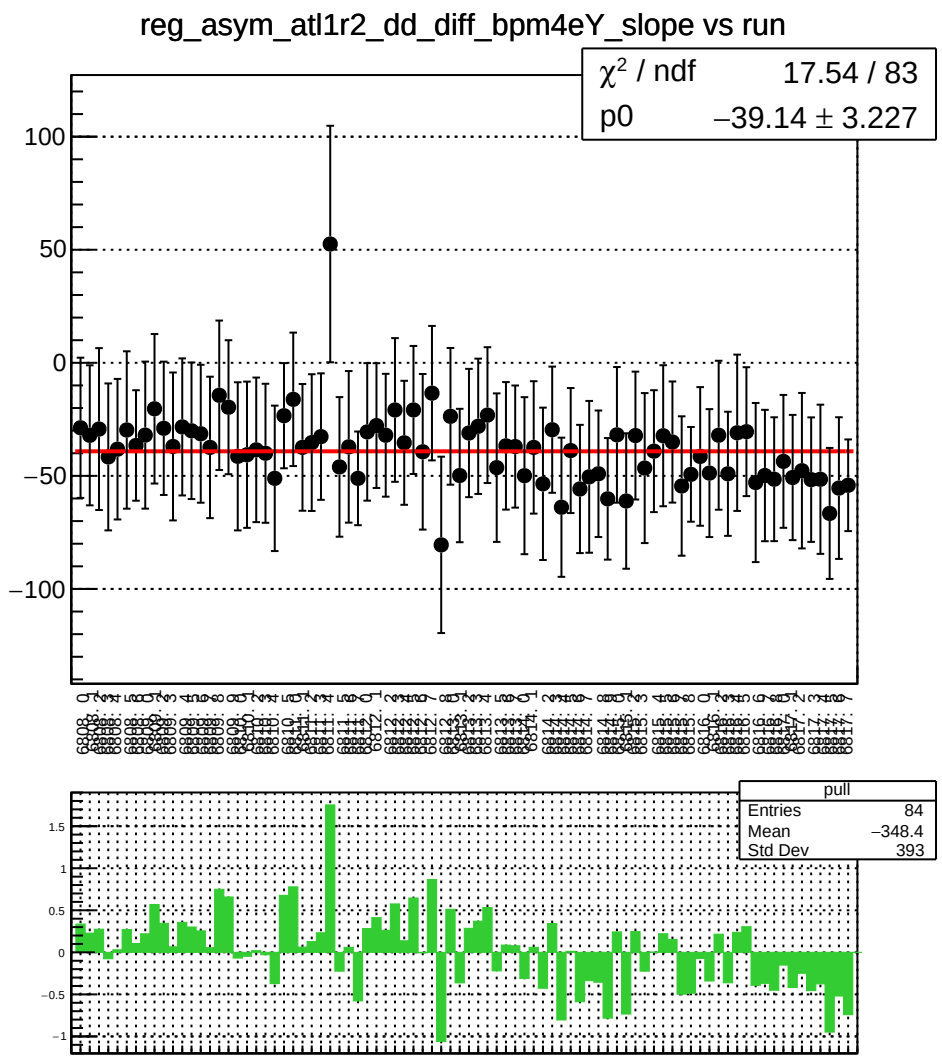

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 27.83 / 83
p0 244.7 ± 4.17
350
300
250
200
150
pull
Entries 84
Mean −44.81
Std Dev 73.22
1
0.5
0
−0.5
−1
−1.5

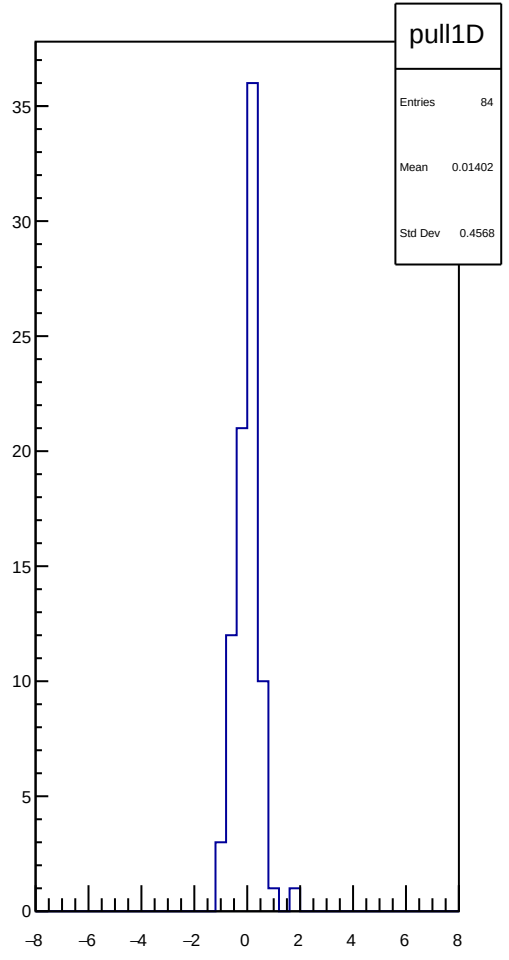

pull1D
Entries 84
Mean 0.01175
Std Dev 0.5755
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

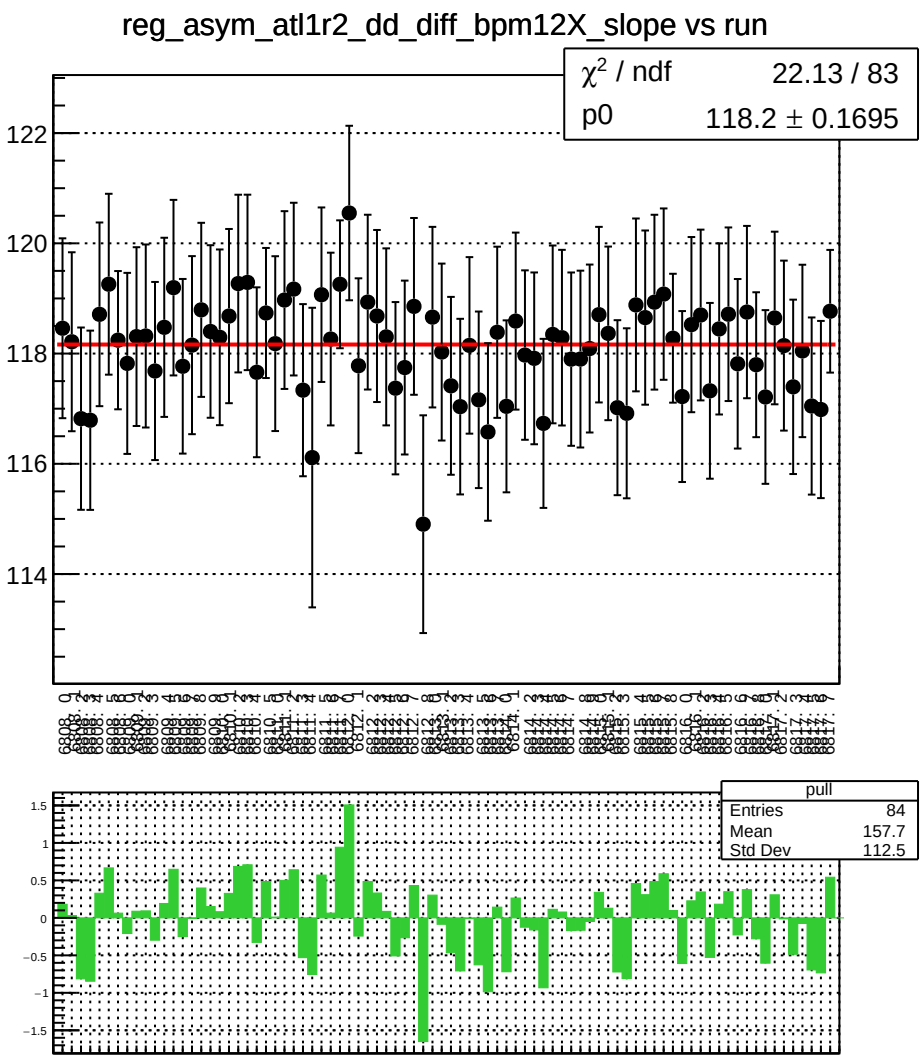

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.05 / 83
p0 −17.84 ± 2.67
50
0
−50
−100
−150
pull
Entries 84
Mean −229.7
Std Dev 274
1
0.5
0
−0.5
−1
−1.5
−2

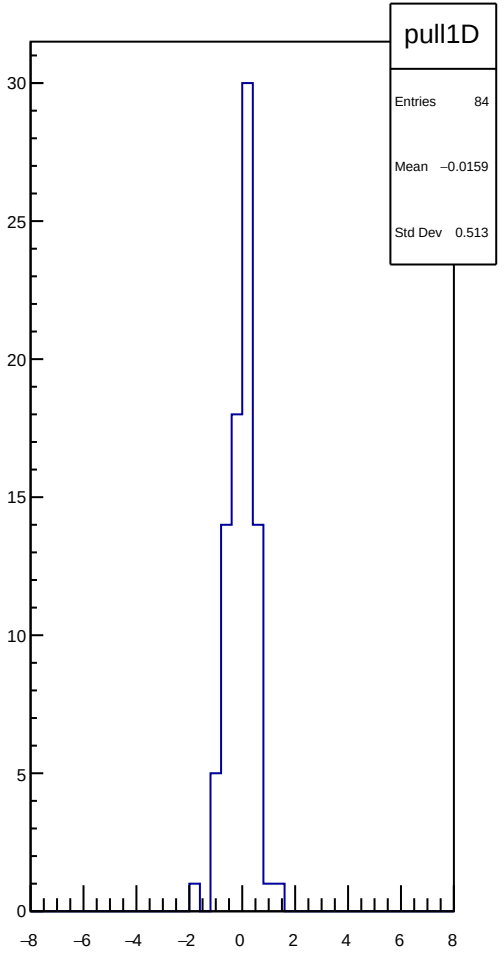

pull1D
Entries 84
Mean −0.0178
Std Dev 0.4759
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

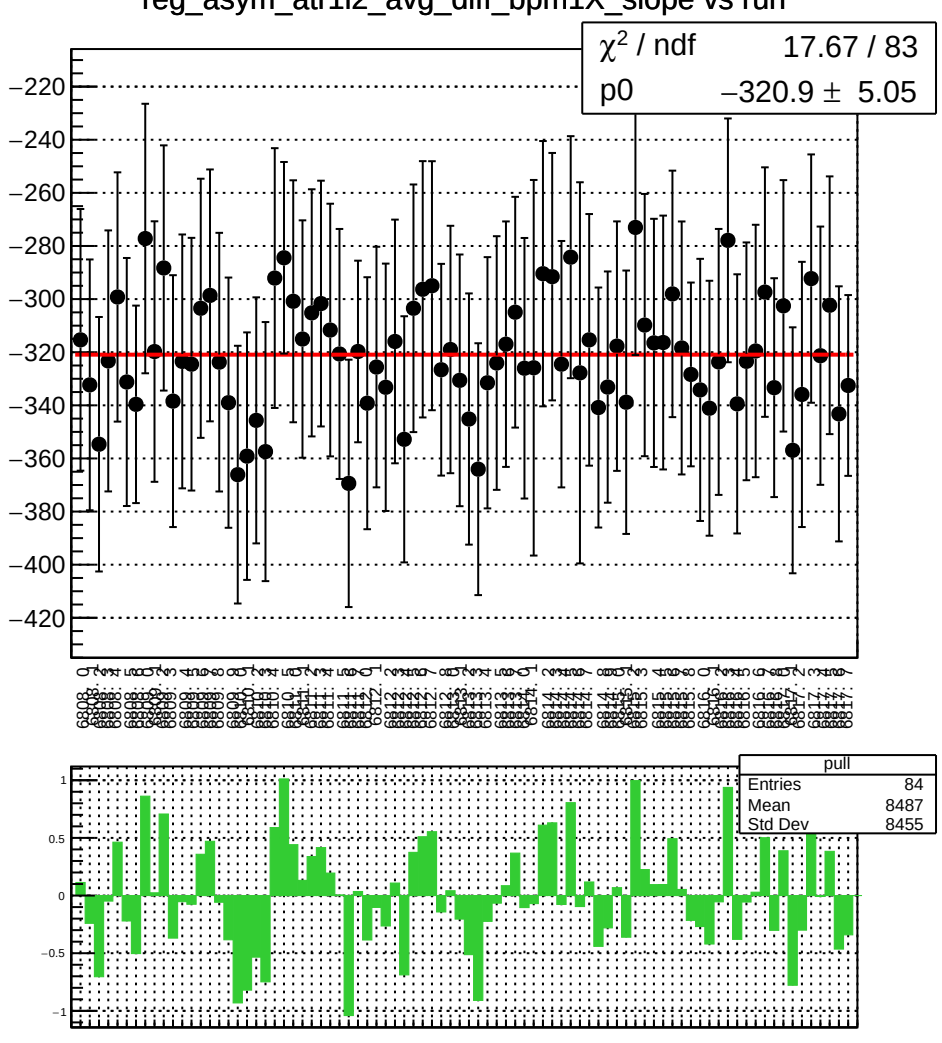

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.78 / 83
p0 −262 ± 3.899
−150
−200
−250
−300
−350
pull
Entries 84
Mean −37.86
Std Dev 65.34
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.01207
Std Dev 0.5645
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

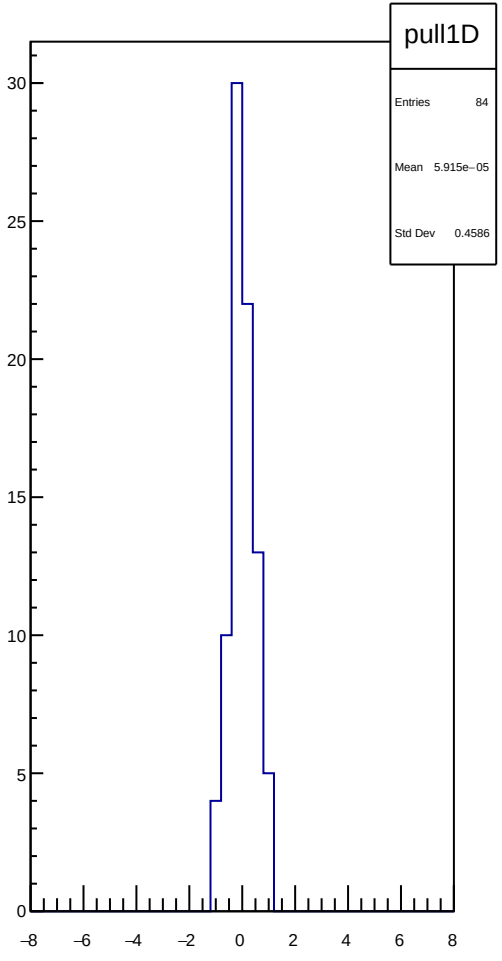

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.54 / 83
p0 −39.14 ± 3.227
100
50
0
−50
−100
pull
Entries 84
Mean −348.4
Std Dev 393
1.5
1
0.5
0
−0.5
−1

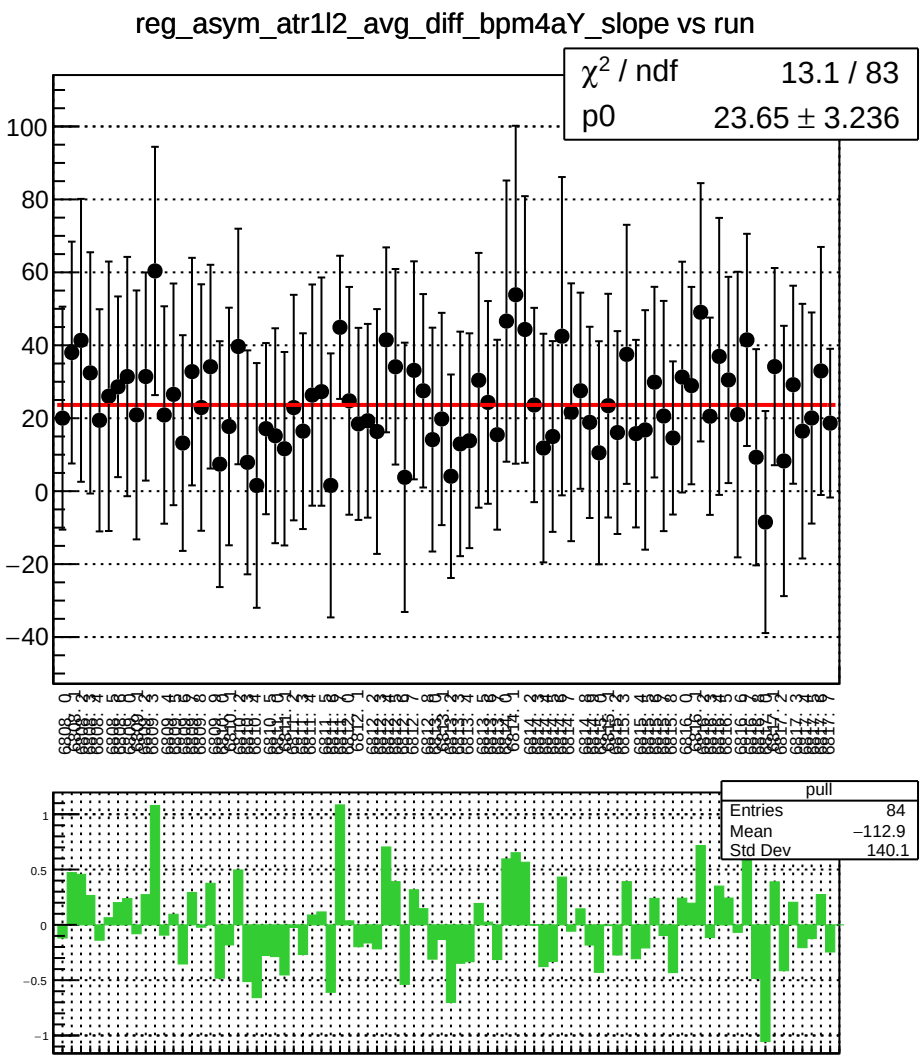

pull1D
Entries 84
Mean 0.01402
Std Dev 0.4568
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

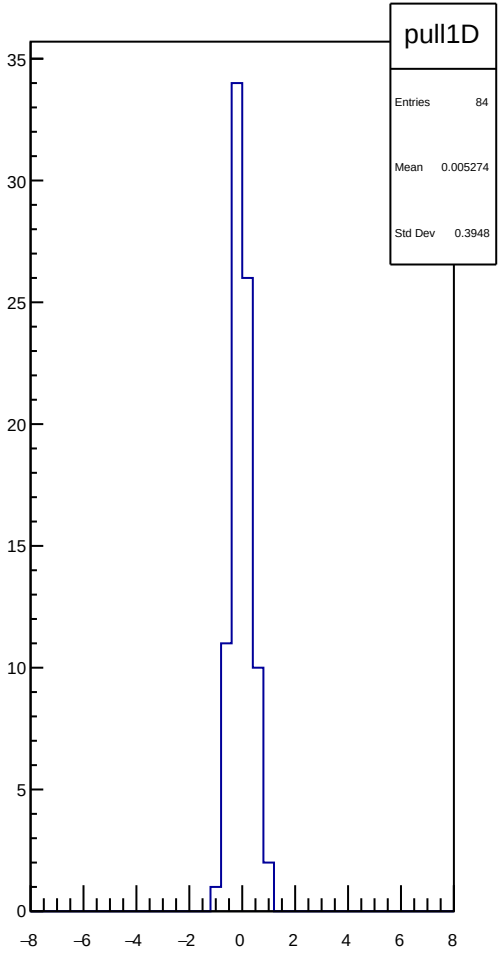

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.13 / 83
p0 118.2 ± 0.1695
122
120
118
116
114
pull
Entries 84
Mean 157.7
Std Dev 112.5
1.5
1
0.5
0
−0.5
−1
−1.5

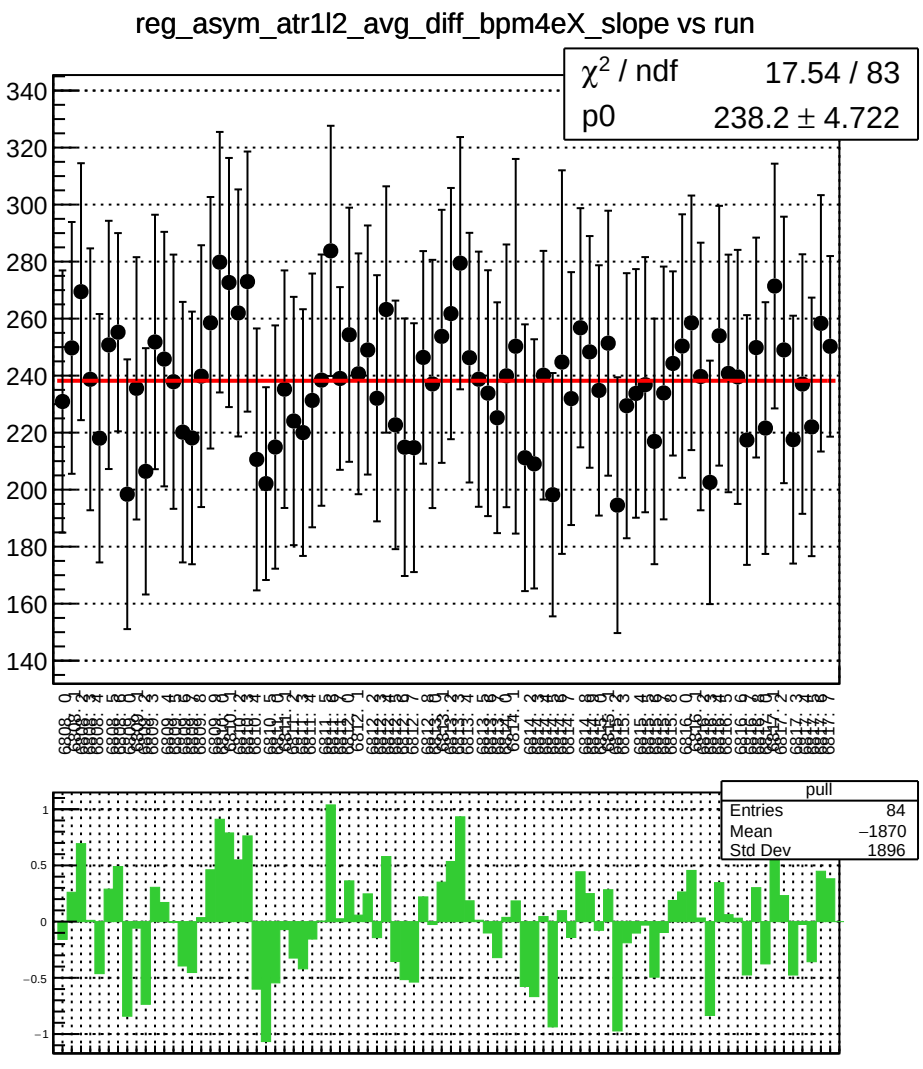

pull1D
Entries 84
Mean −0.0159
Std Dev 0.513
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

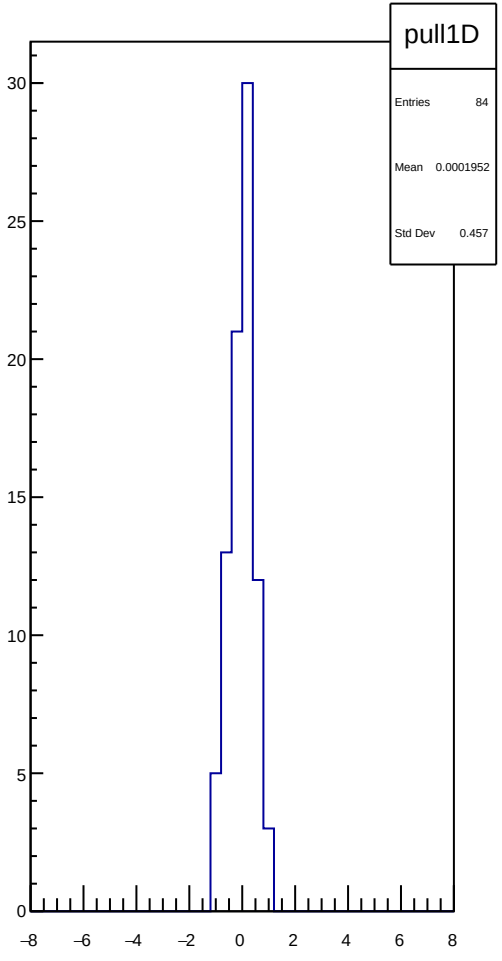

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 17.67 / 83
p0 −320.9 ± 5.05
pull
Entries 84
Mean 8487
Std Dev 8455

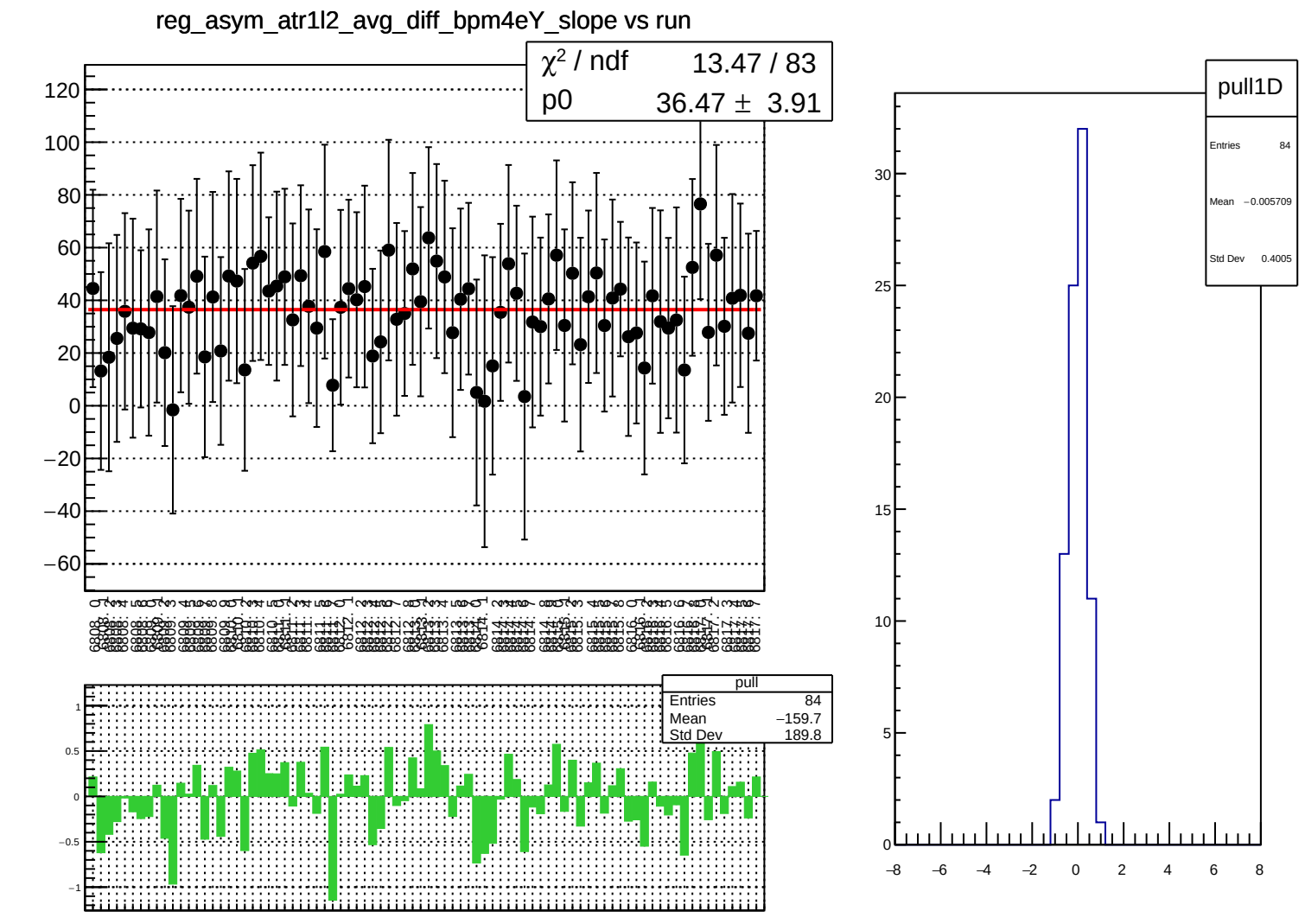

pull1D
Entries 84
Mean 5.915e−05
Std Dev 0.4586

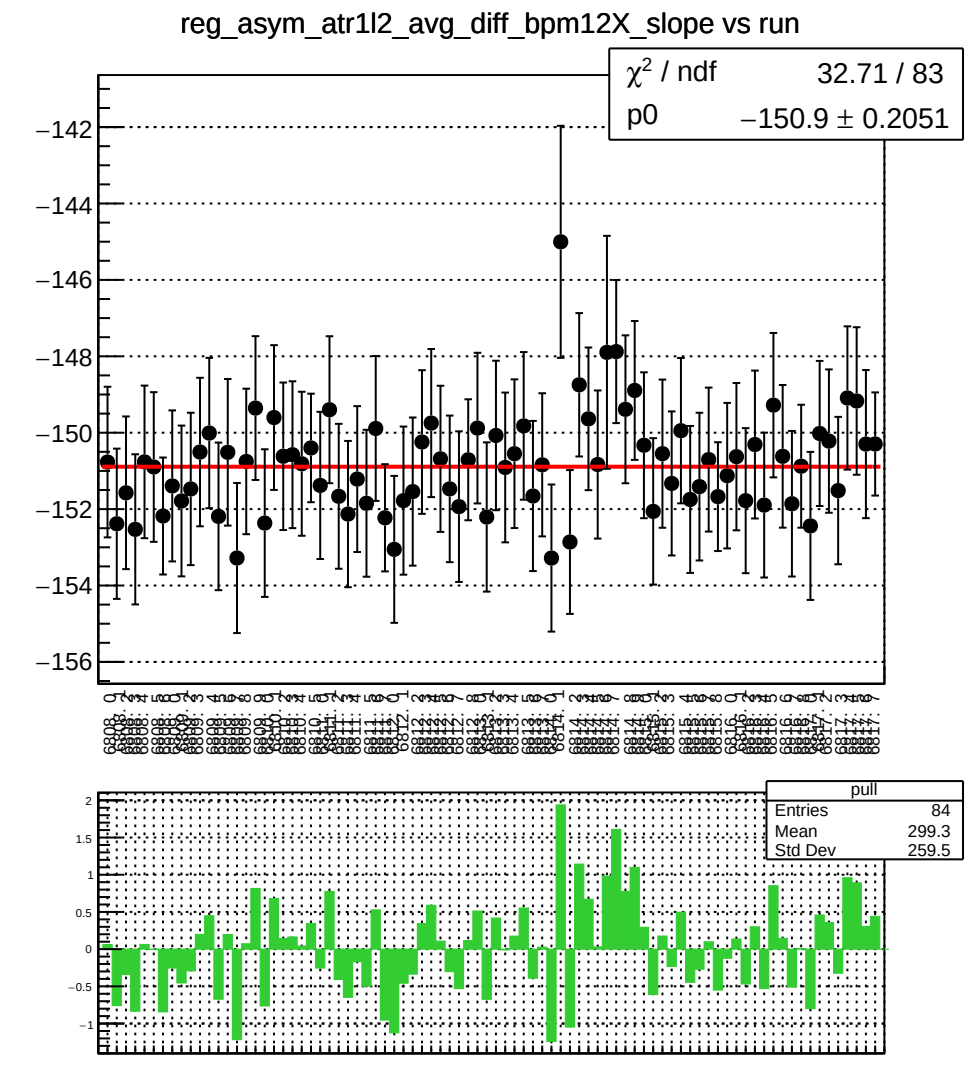

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.1 / 83
p0 23.65 ± 3.236
pull
Entries 84
Mean −112.9
Std Dev 140.1

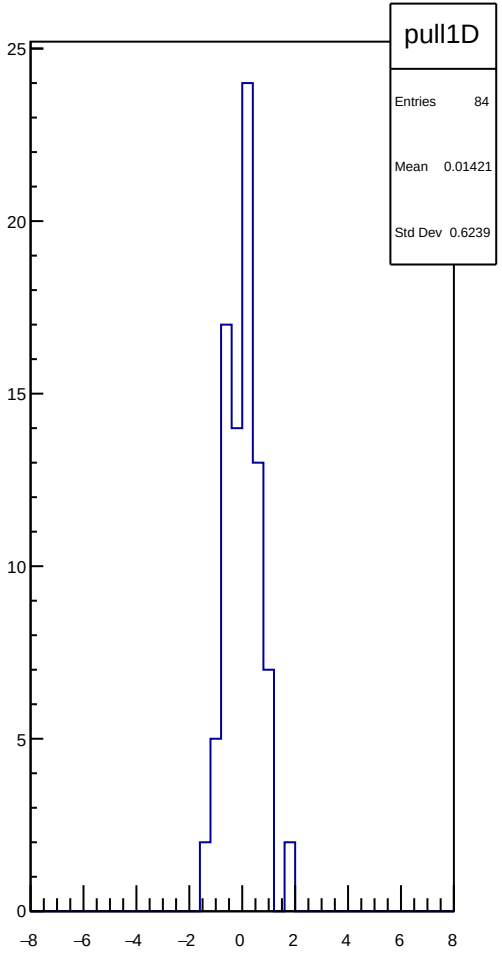

pull1D
Entries 84
Mean 0.005274
Std Dev 0.3948

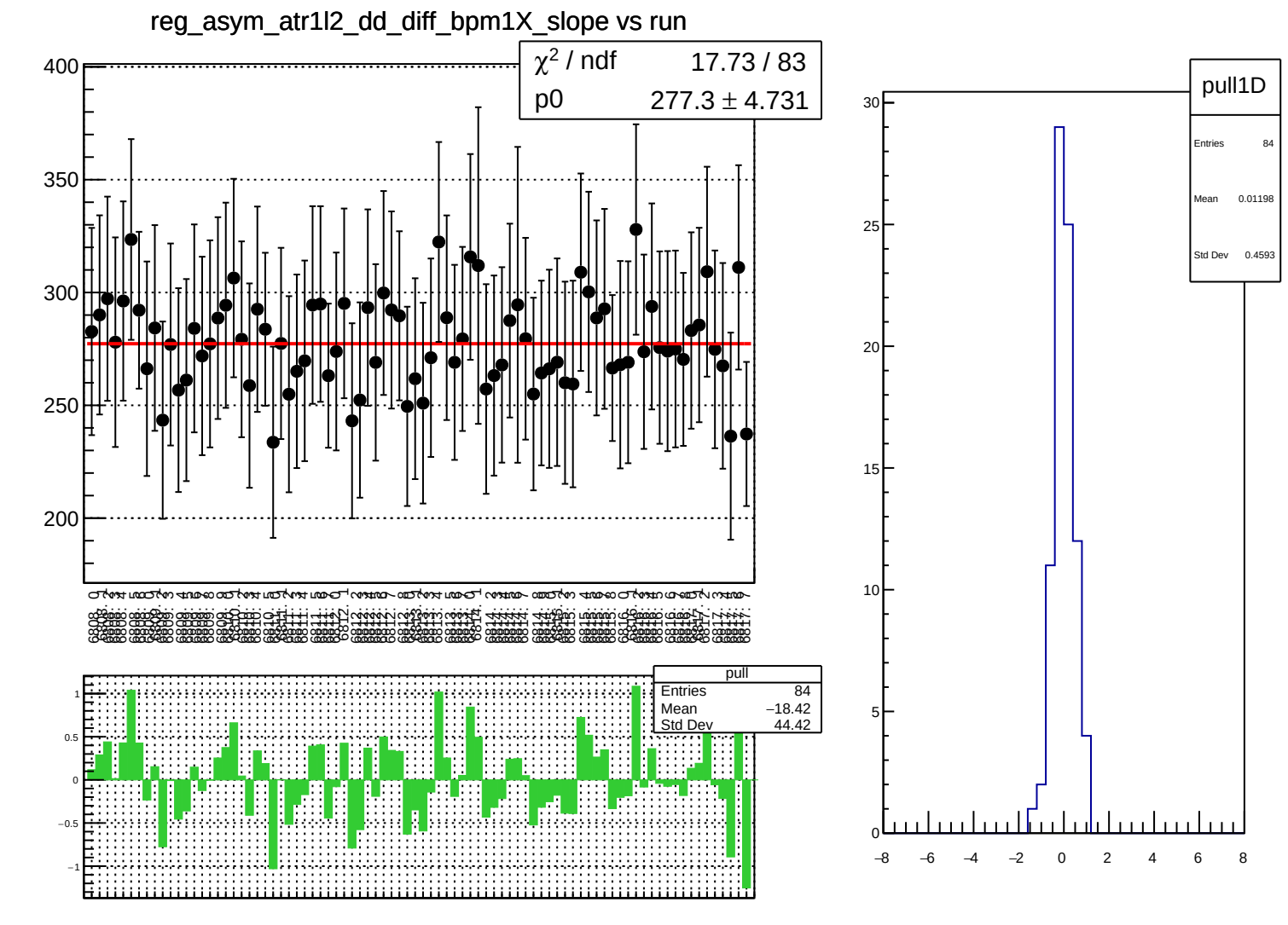

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.54 / 83
p0 238.2 ± 4.722
pull
Entries 84
Mean −1870
Std Dev 1896

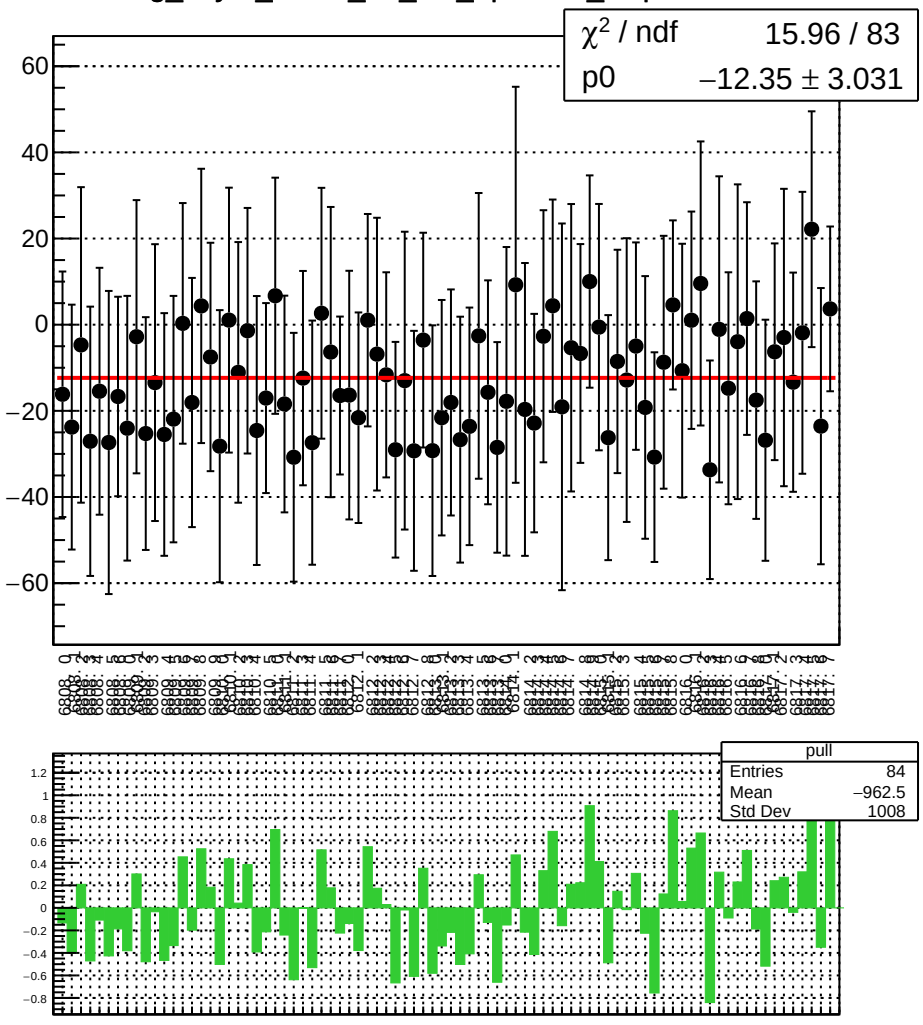

pull1D
Entries 84
Mean 0.0001952
Std Dev 0.457

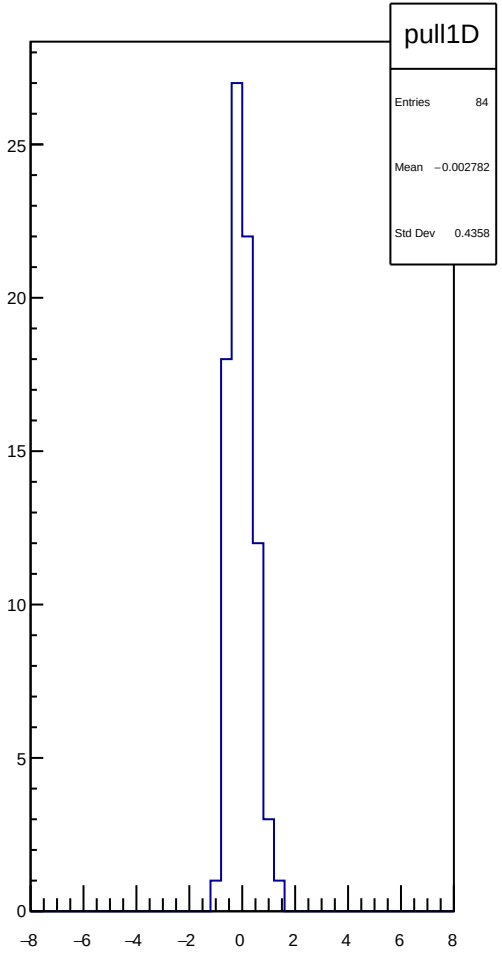

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.47 / 83
p0 36.47 ± 3.91
pull
Entries 84
Mean −159.7
Std Dev 189.8
pull1D
Entries 84
Mean −0.005709
Std Dev 0.4005

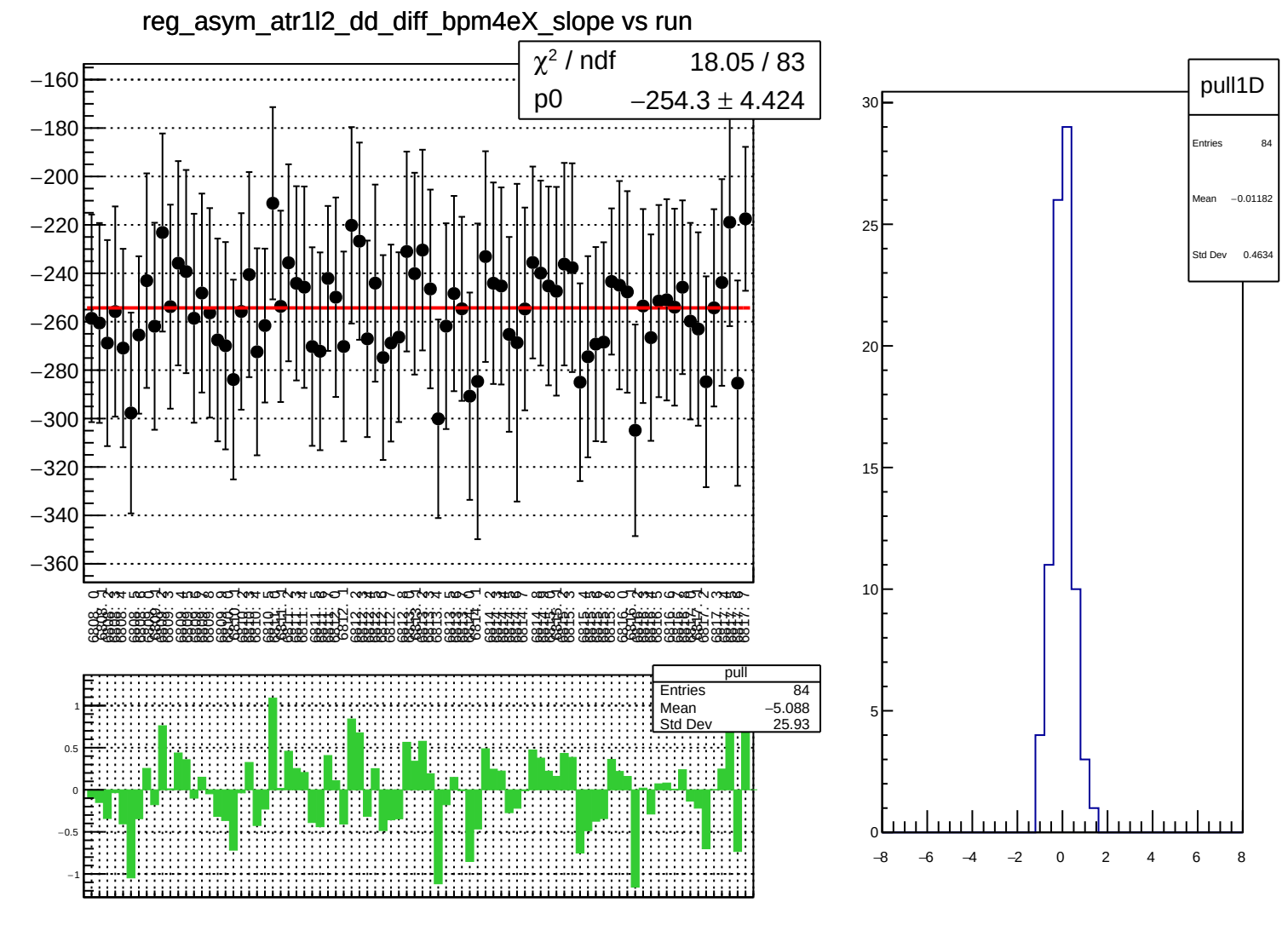

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 32.71 / 83
p0 −150.9 ± 0.2051
pull
Entries 84
Mean 299.3
Std Dev 259.5

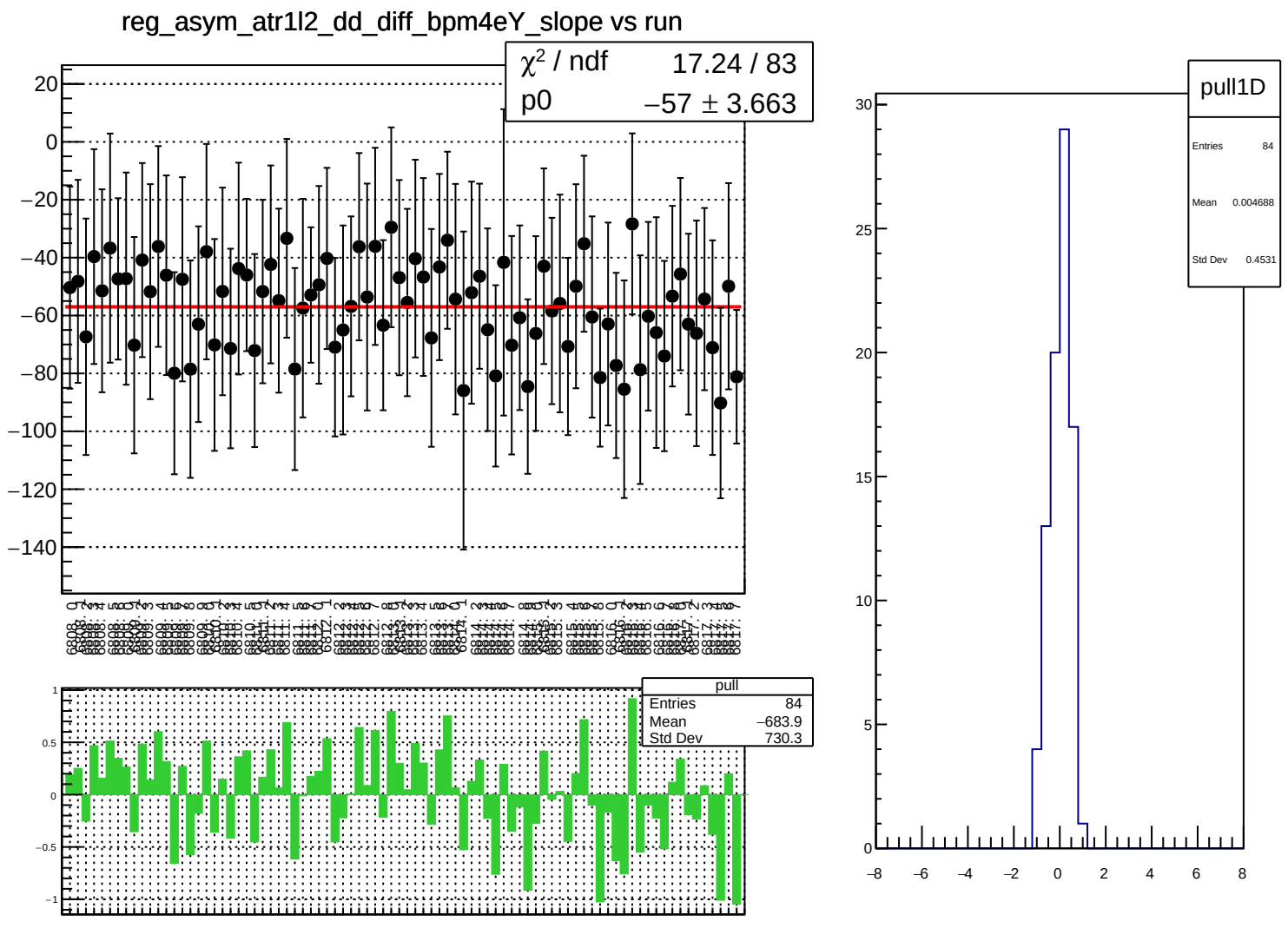

pull1D
Entries 84
Mean 0.01421
Std Dev 0.6239

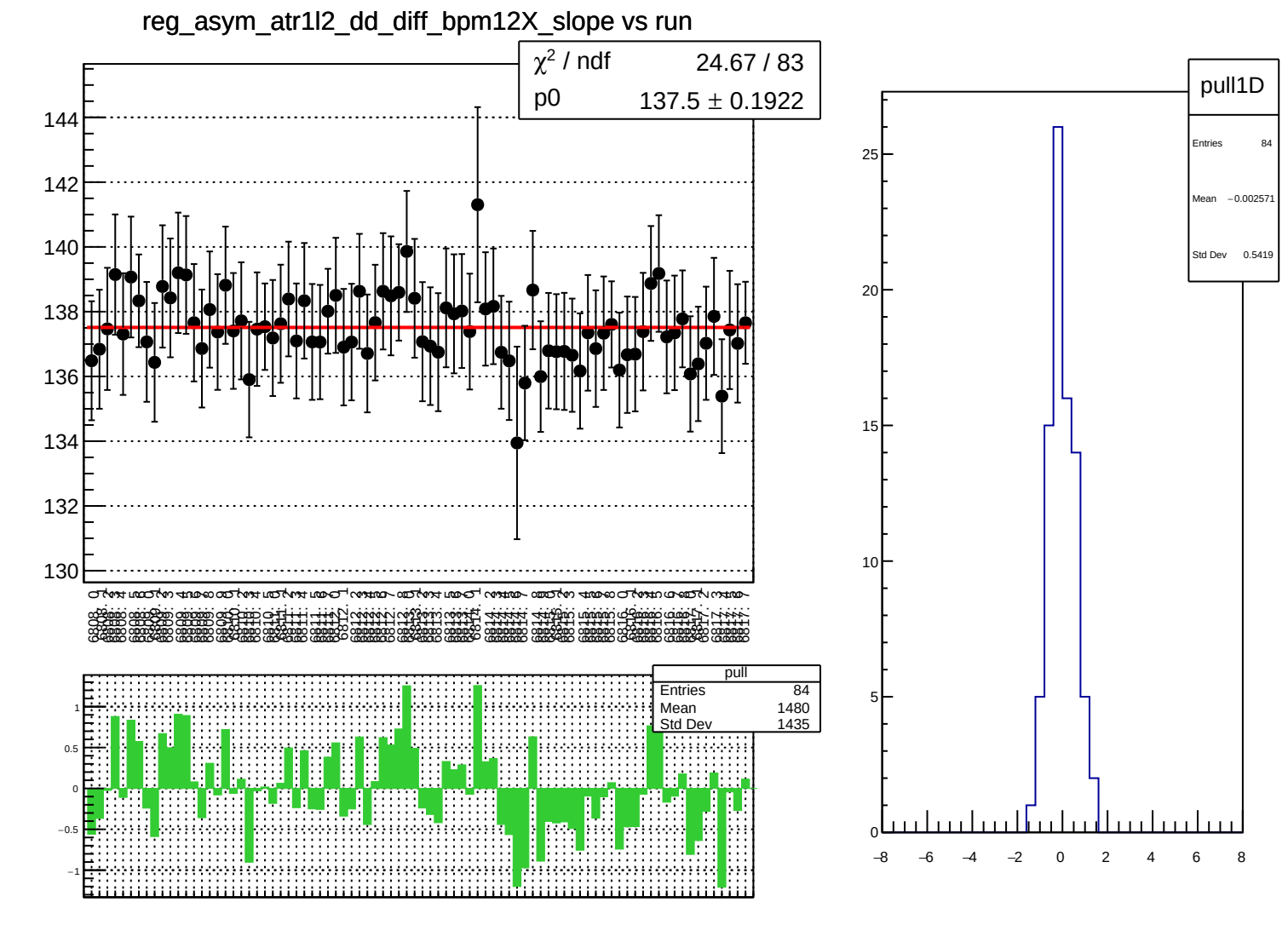

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 17.73 / 83
p0 277.3 ± 4.731
400
350
300
250
200
pull
Entries 84
Mean −18.42
Std Dev 44.42
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean 0.01198
Std Dev 0.4593
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

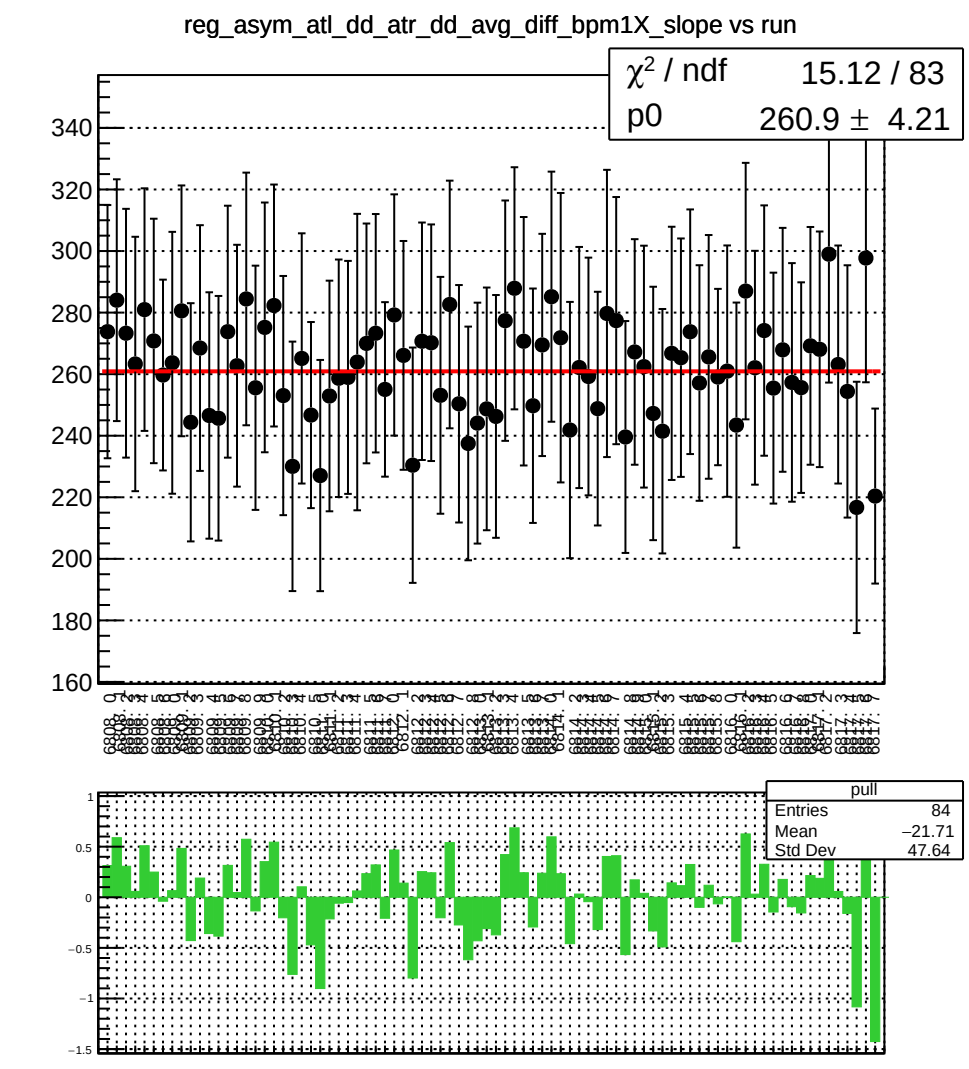

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.96 / 83
p0 −12.35 ± 3.031
pull
Entries 84
Mean −962.5
Std Dev 1008

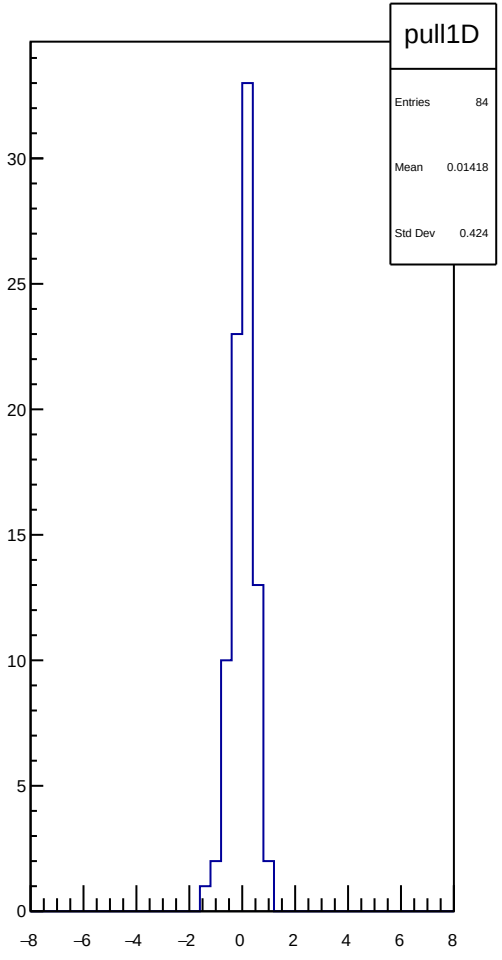

pull1D
Entries 84
Mean −0.002782
Std Dev 0.4358

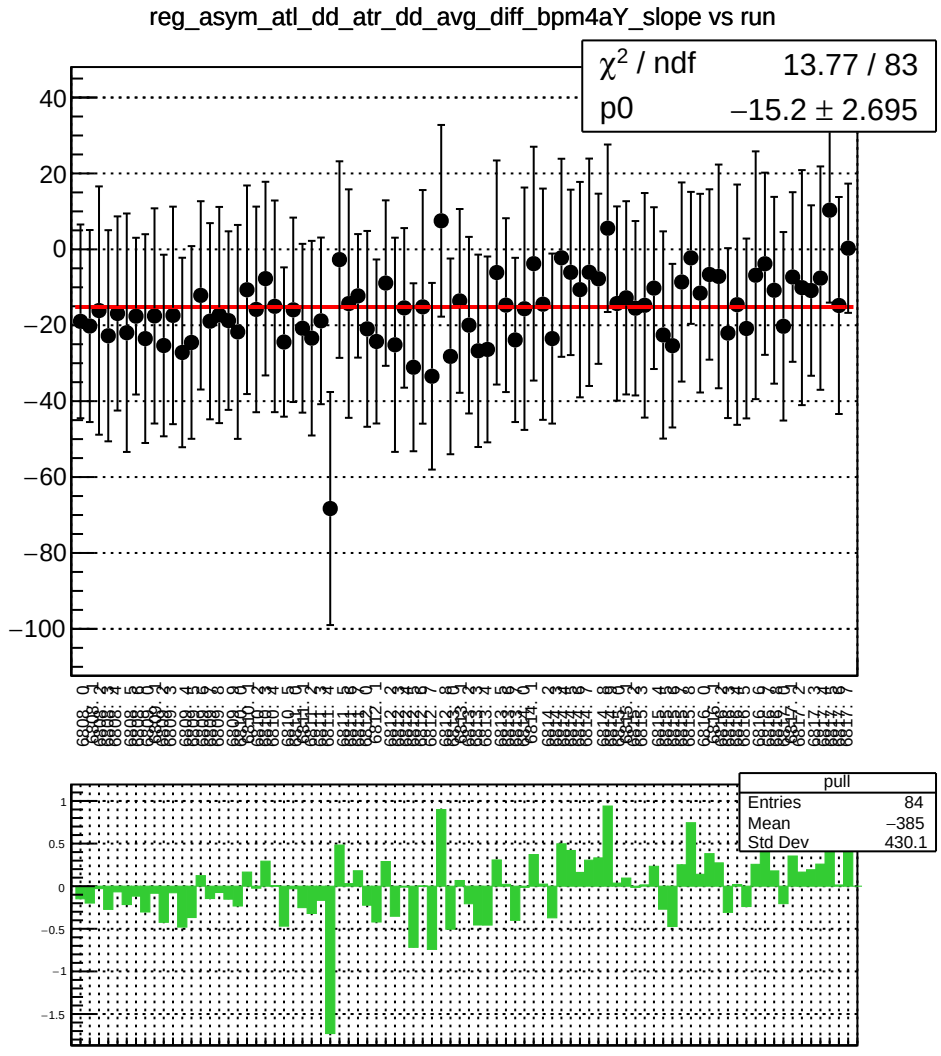

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.05 / 83
p0 −254.3 ± 4.424
pull
Entries 84
Mean −5.088
Std Dev 25.93
pull1D
Entries 84
Mean −0.01182
Std Dev 0.4634

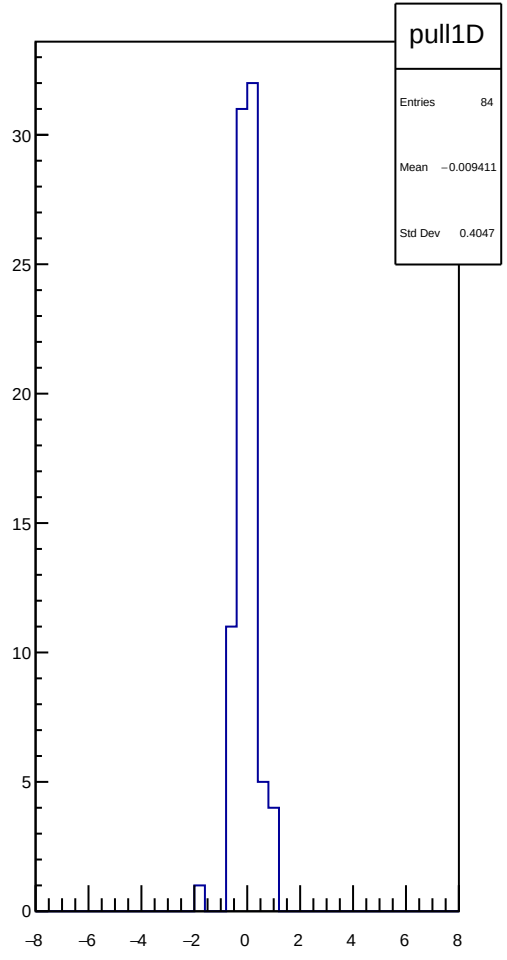

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.24 / 83
p0 −57 ± 3.663
pull
Entries 84
Mean −683.9
Std Dev 730.3
pull1D
Entries 84
Mean 0.004688
Std Dev 0.4531

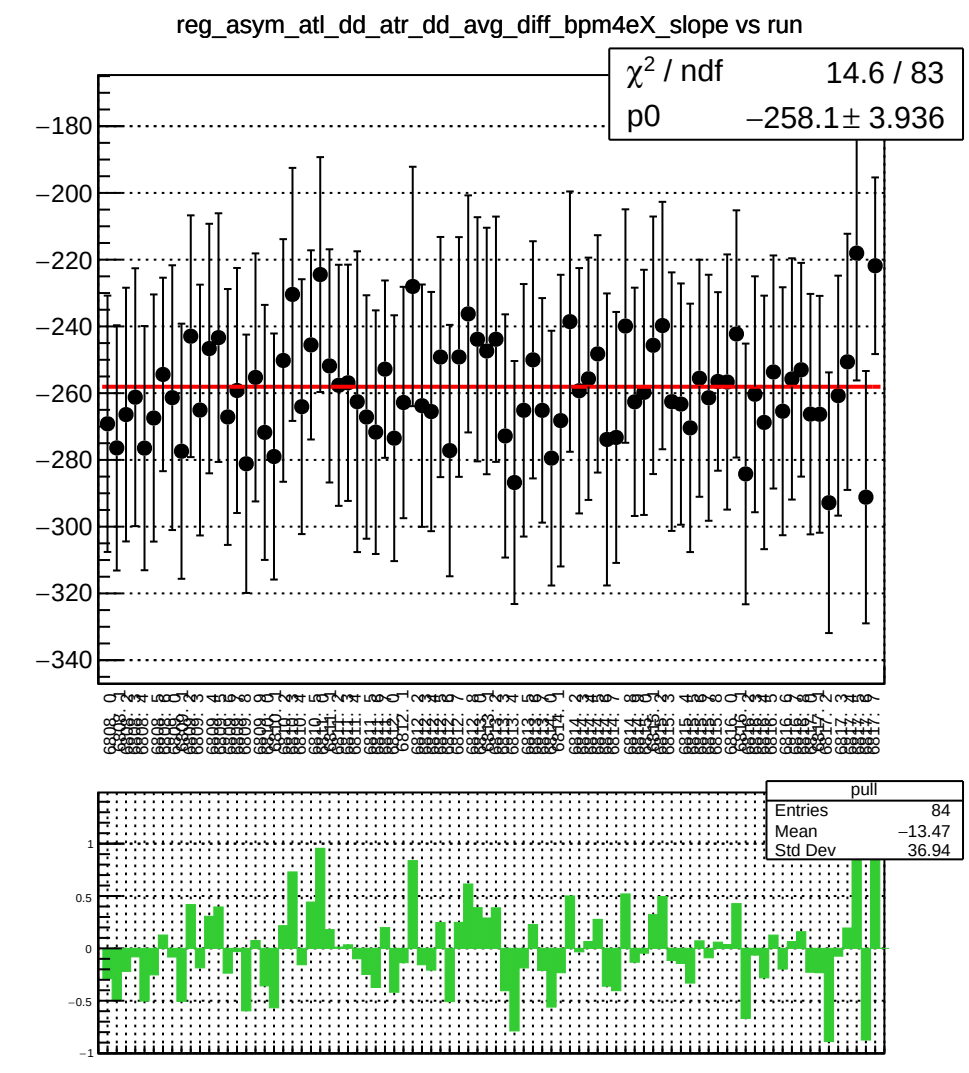

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 24.67 / 83
p0 137.5 ± 0.1922
144
142
140
138
136
134
132
130
pull
Entries 84
Mean 1480
Std Dev 1435
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.002571
Std Dev 0.5419
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

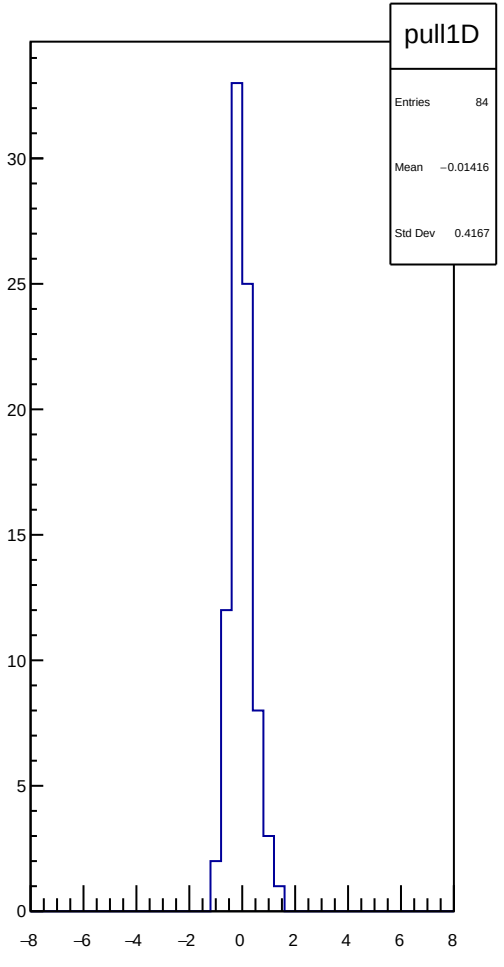

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 15.12 / 83
p0 260.9 ± 4.21
pull
Entries 84
Mean −21.71
Std Dev 47.64

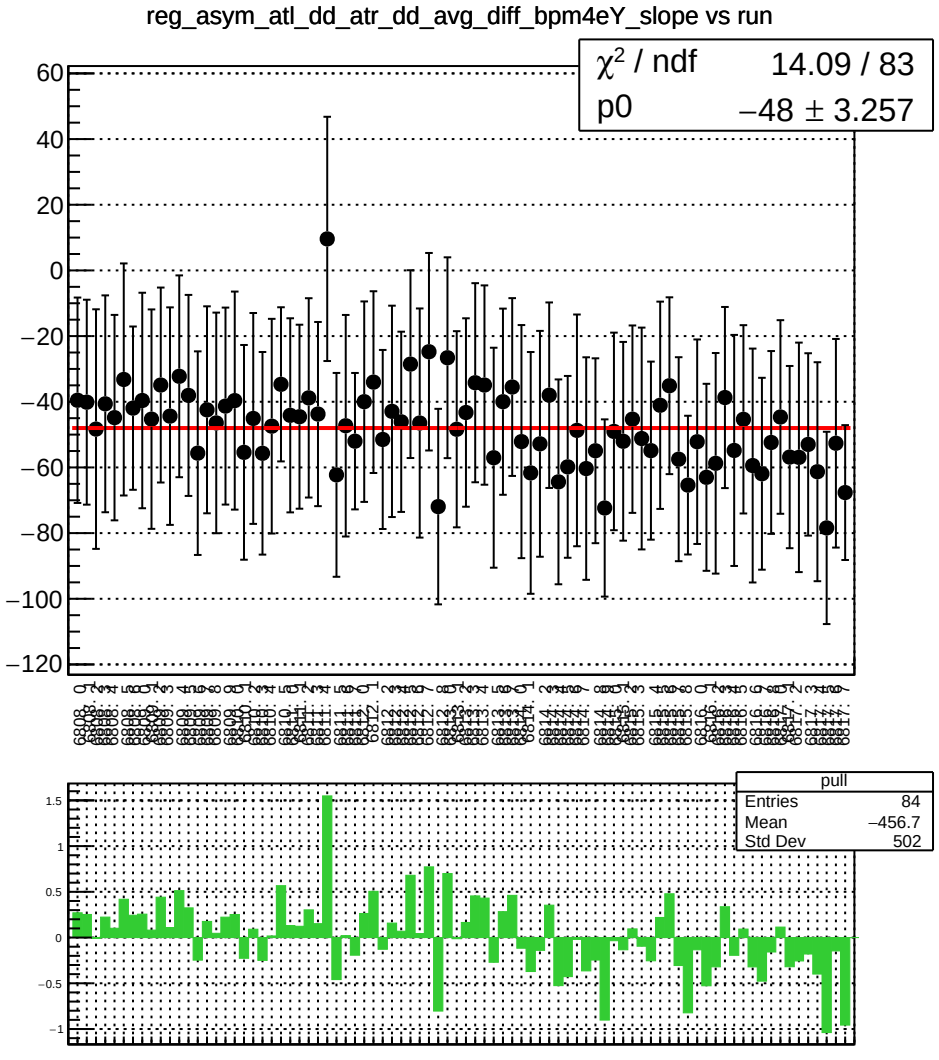

pull1D
Entries 84
Mean 0.01418
Std Dev 0.424

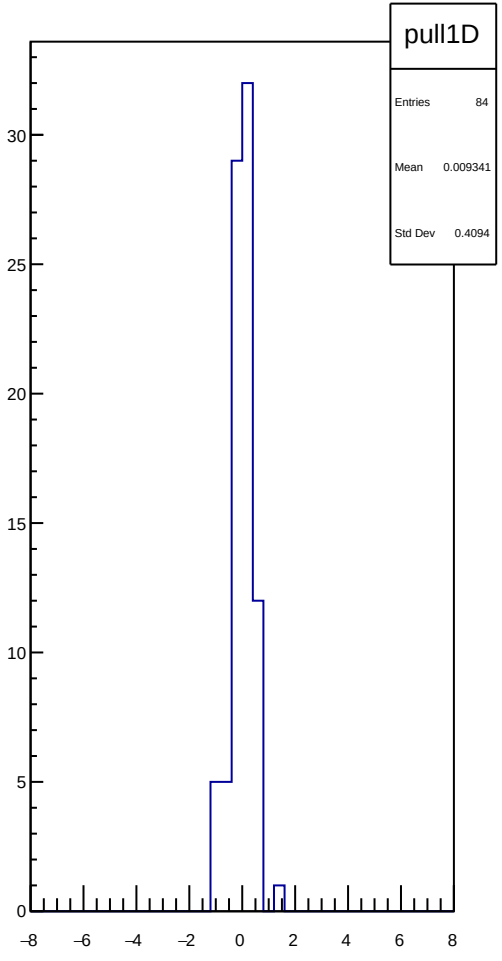

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.77 / 83
p0 −15.2 ± 2.695
pull
Entries 84
Mean −385
Std Dev 430.1

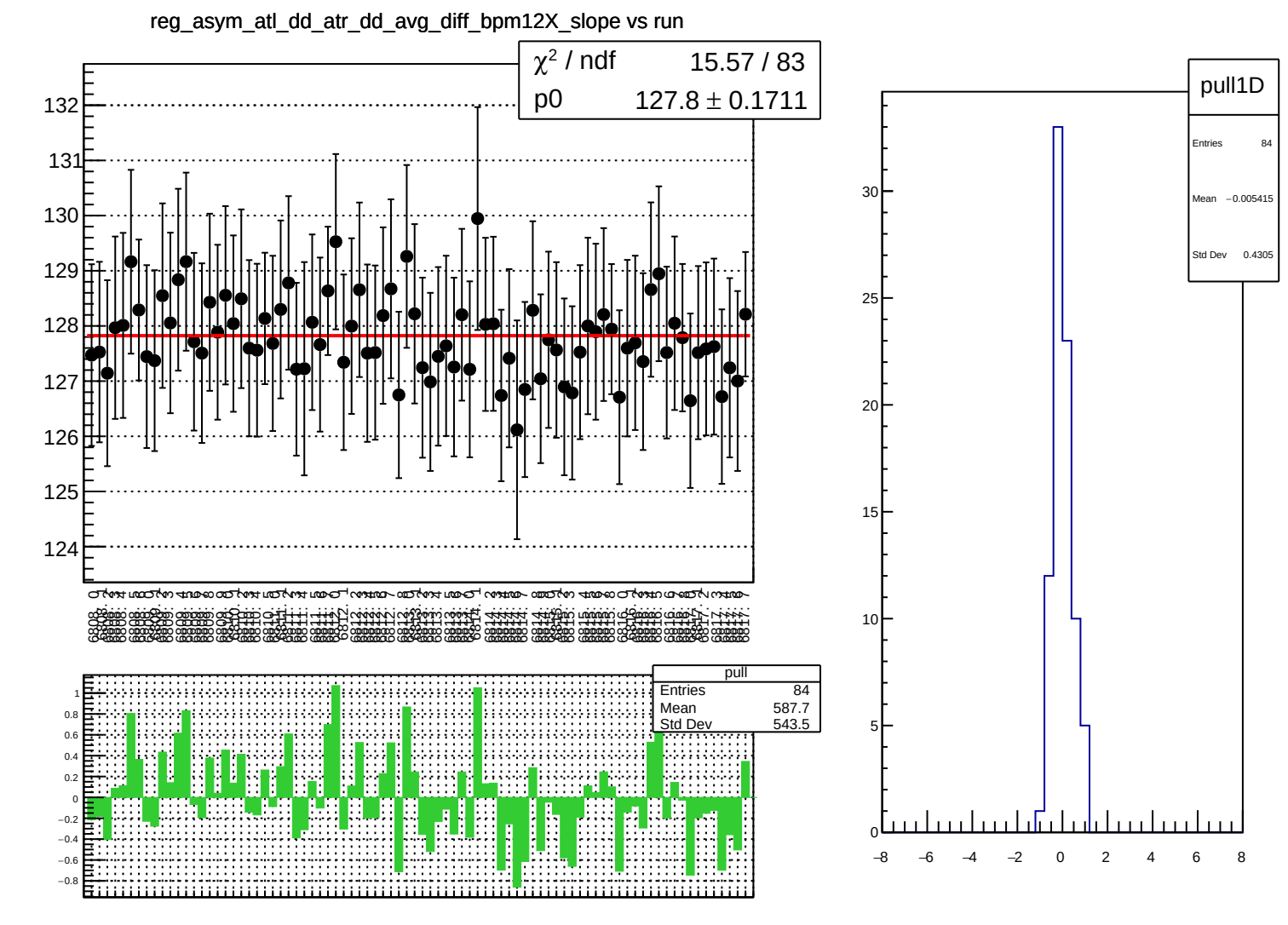

pull1D
Entries 84
Mean −0.009411
Std Dev 0.4047

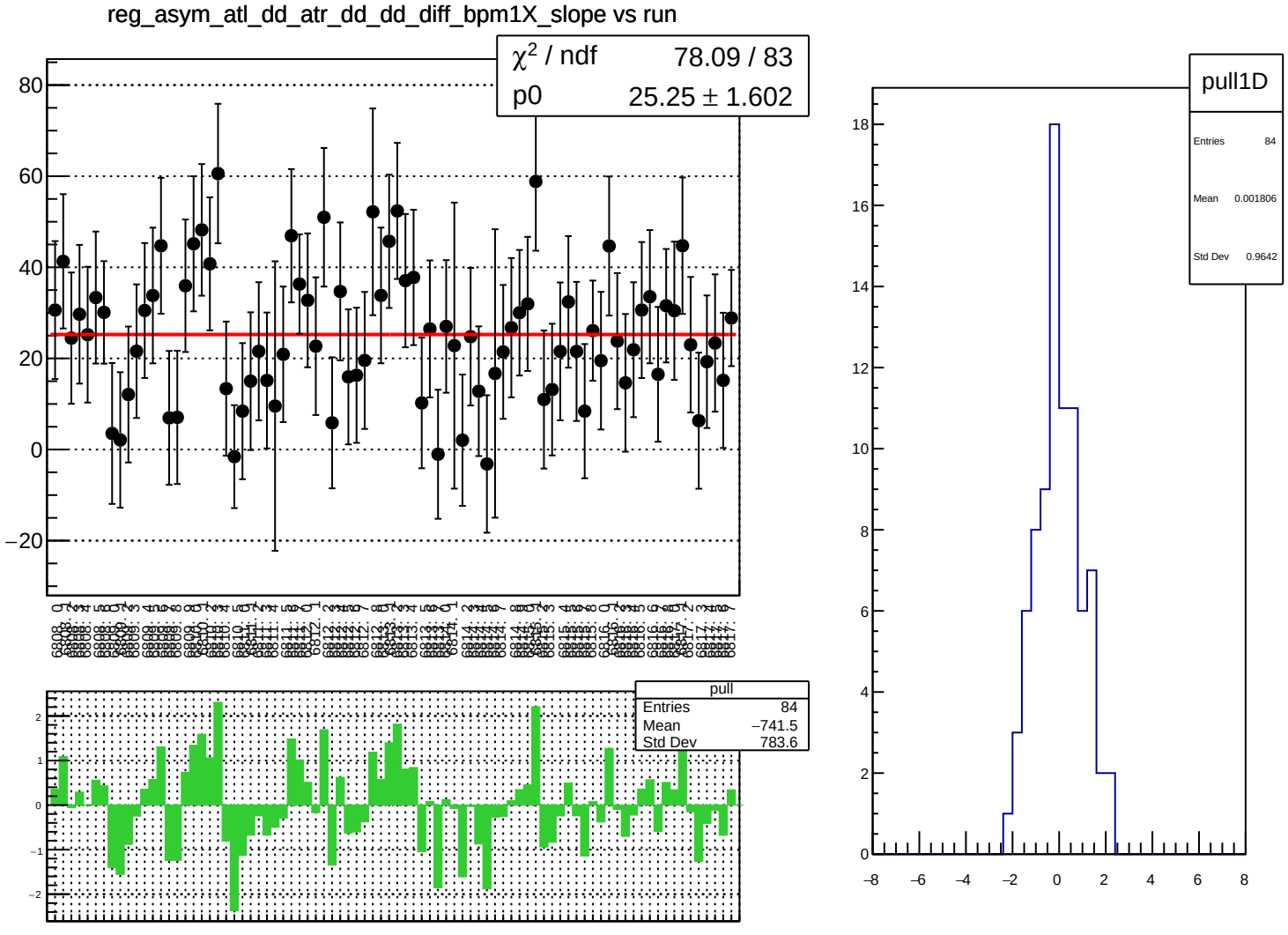

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.6 / 83
p0 −258.1± 3.936
−180
−200
−220
−240
−260
−280
−300
−320
−340
pull
Entries 84
Mean −13.47
Std Dev 36.94
1
0.5
0
−0.5
−1

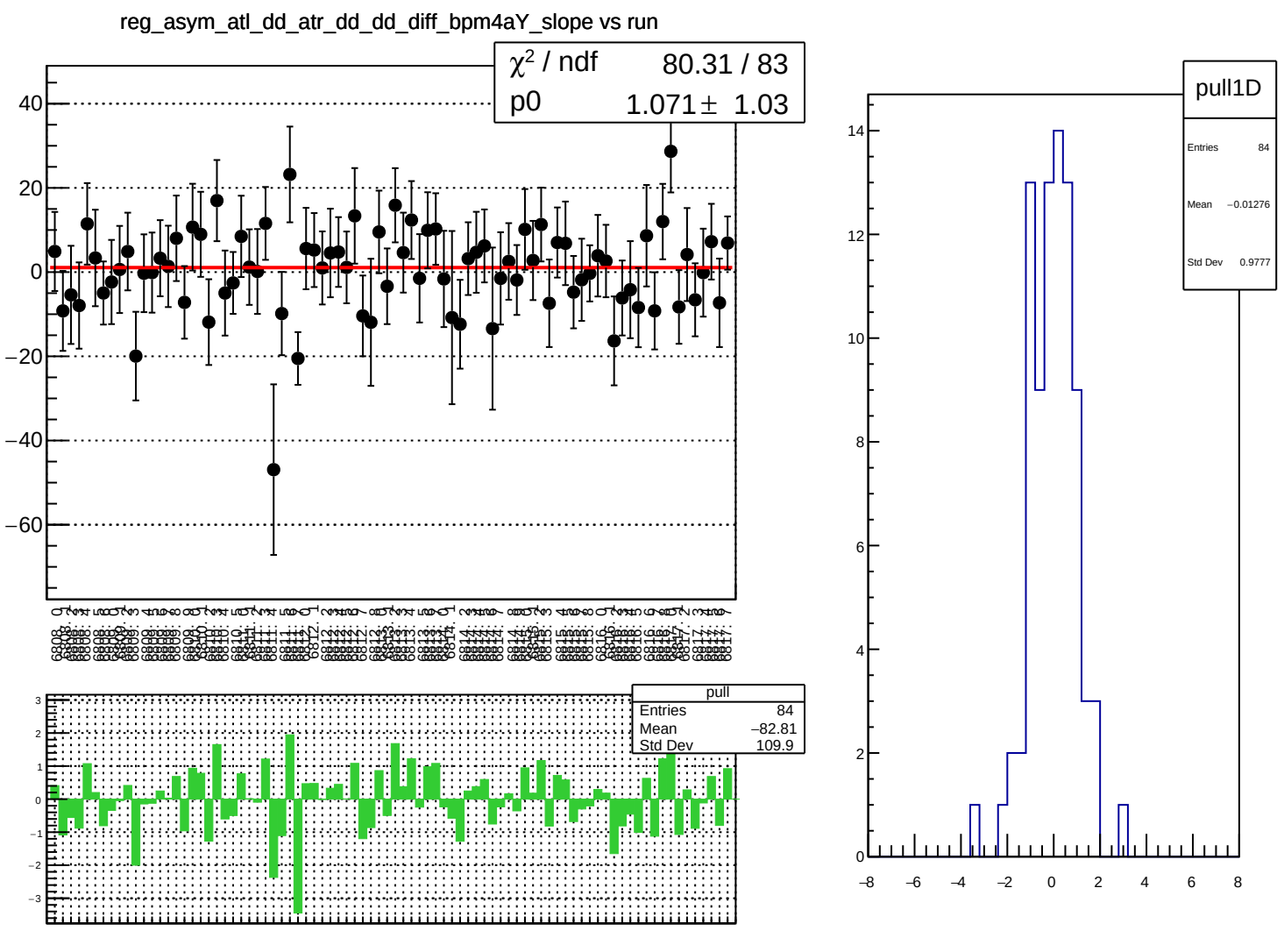

pull1D
Entries 84
Mean −0.01416
Std Dev 0.4167
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

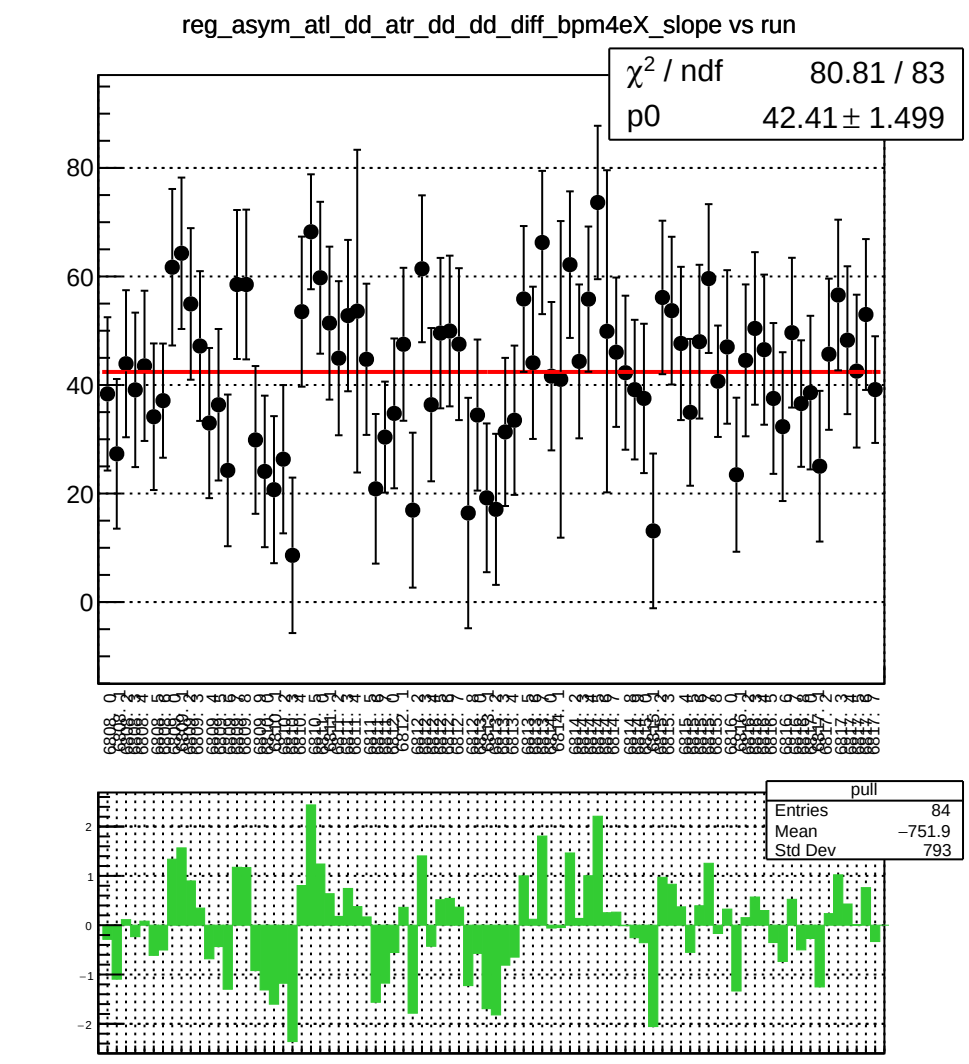

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.09 / 83
p0 −48 ± 3.257
pull
Entries 84
Mean −456.7
Std Dev 502

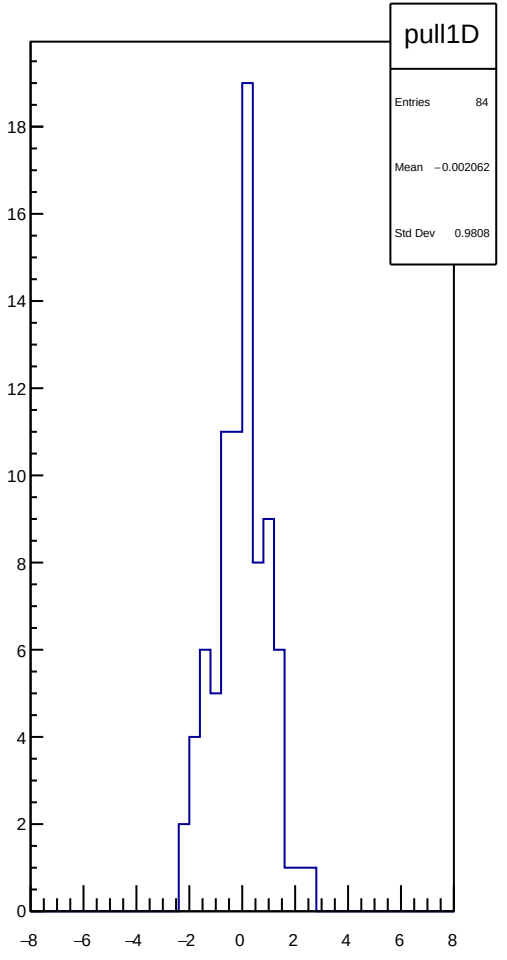

pull1D
Entries 84
Mean 0.009341
Std Dev 0.4094

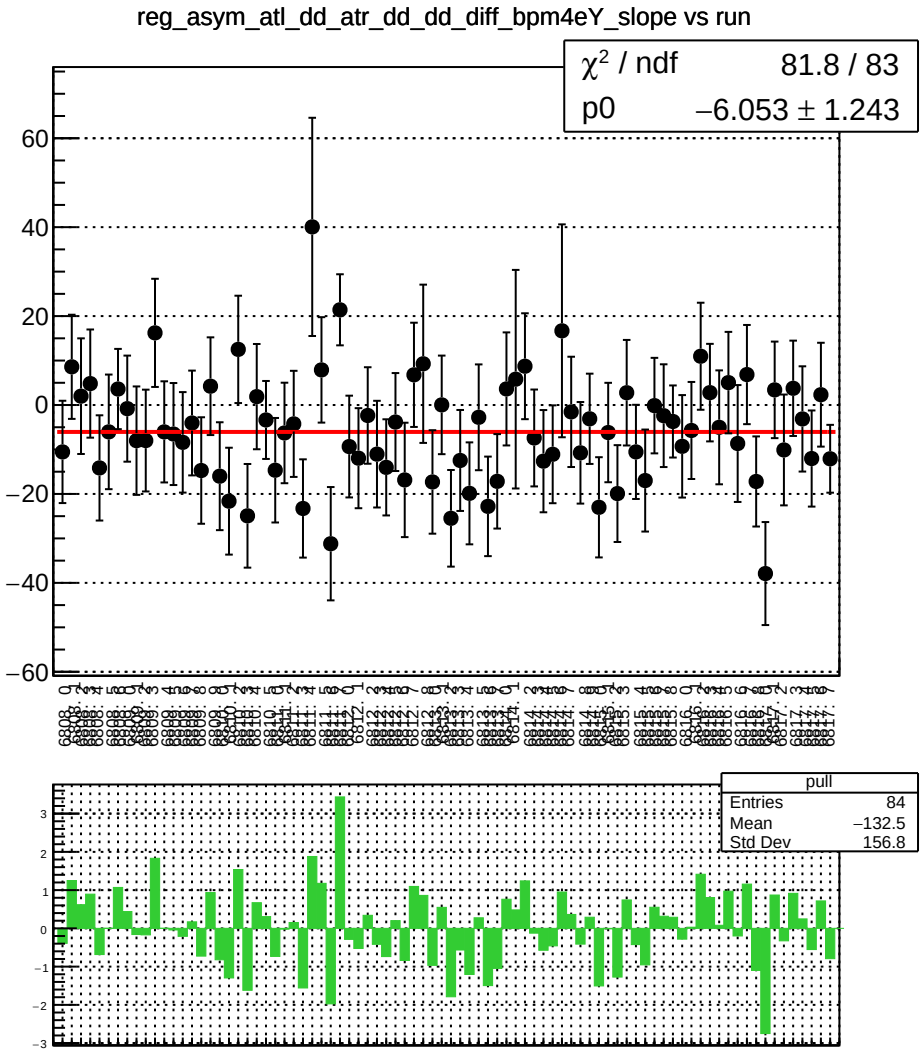

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 15.57 / 83
p0 127.8 ± 0.1711
pull
Entries 84
Mean 587.7
Std Dev 543.5
pull1D
Entries 84
Mean −0.005415
Std Dev 0.4305

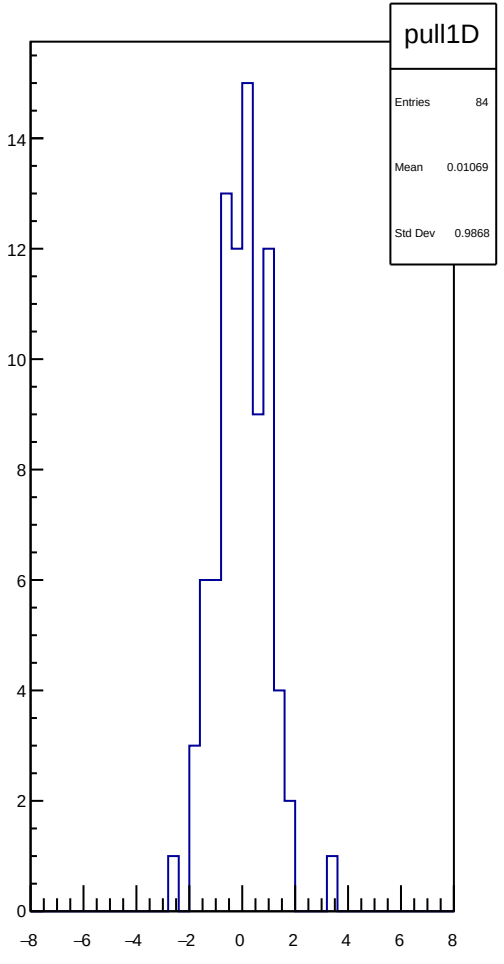

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 78.09 / 83
p0 25.25 ± 1.602
pull
Entries 84
Mean −741.5
Std Dev 783.6
pull1D
Entries 84
Mean 0.001806
Std Dev 0.9642

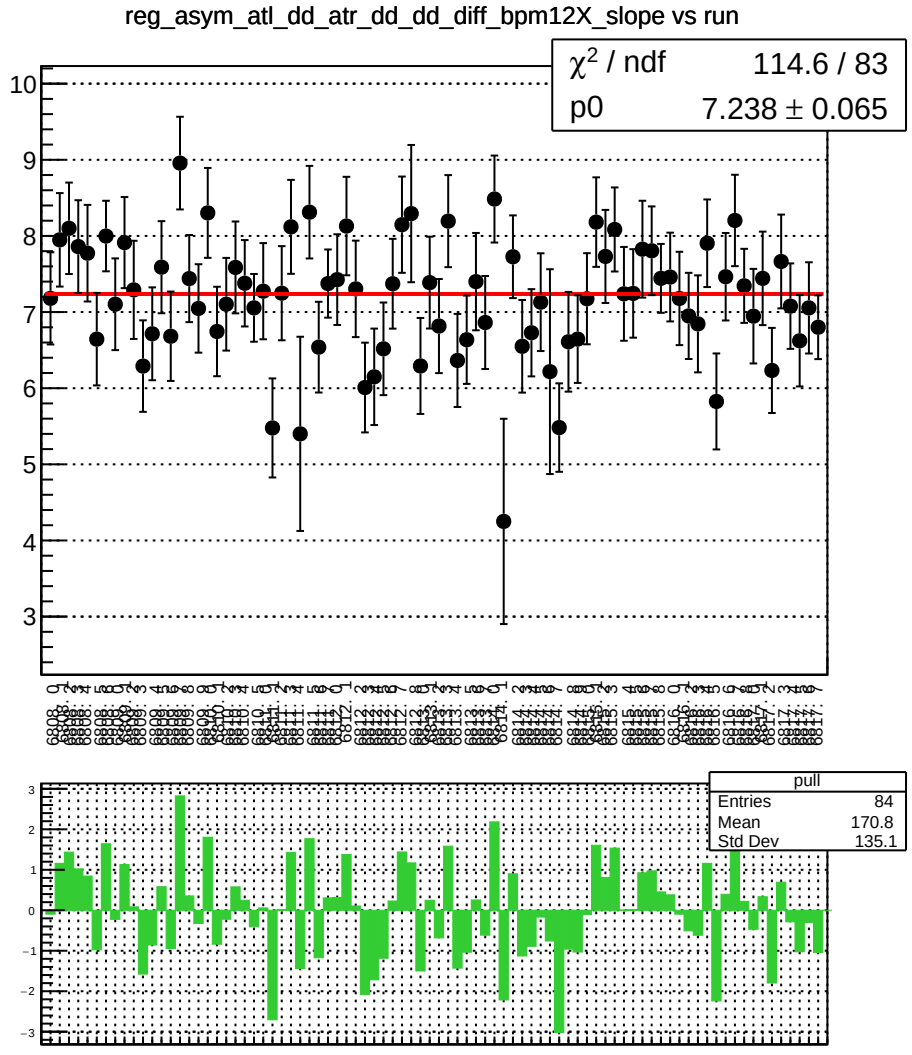

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.31 / 83
p0 1.071 ± 1.03
pull
Entries 84
Mean −82.81
Std Dev 109.9
pull1D
Entries 84
Mean −0.01276
Std Dev 0.9777

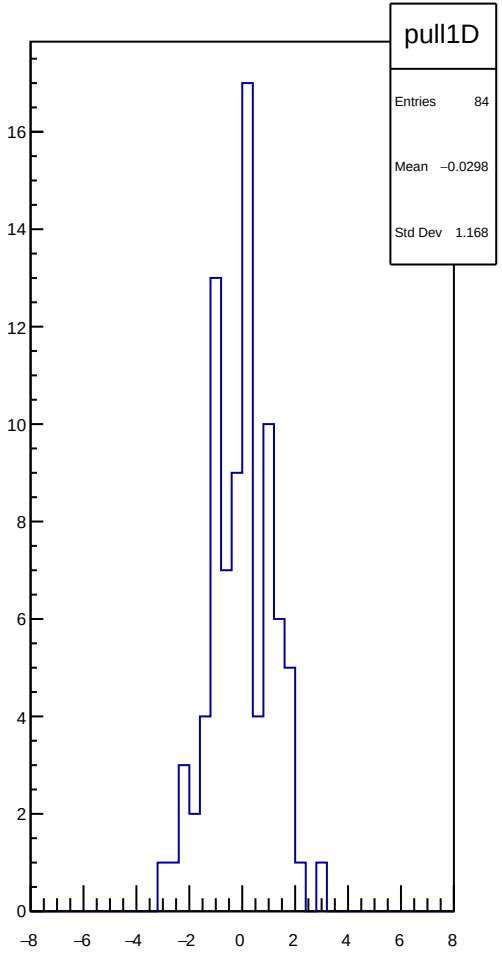

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.81 / 83
p0 42.41 ± 1.499
pull
Entries 84
Mean −751.9
Std Dev 793

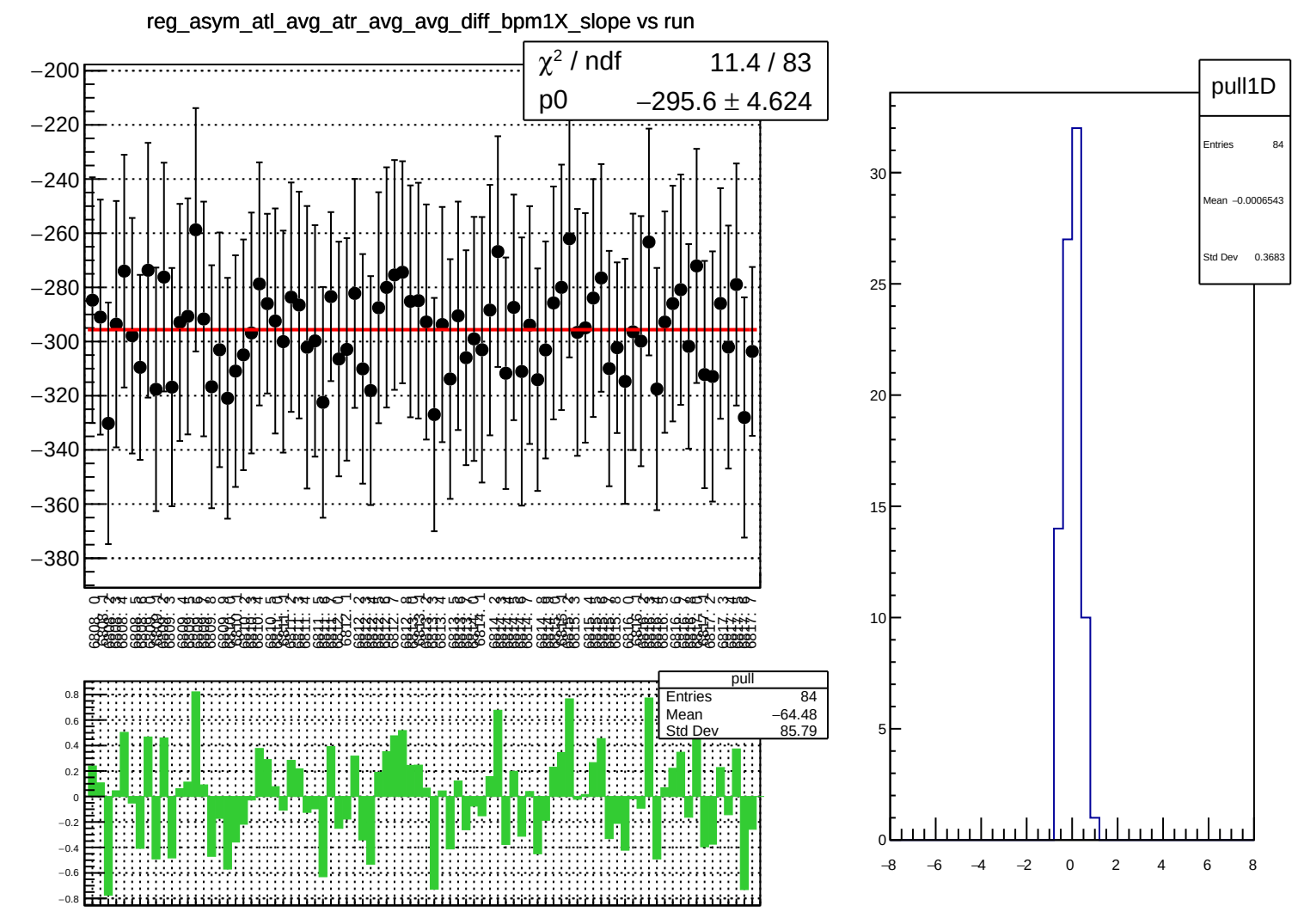

pull1D
Entries 84
Mean −0.002062
Std Dev 0.9808

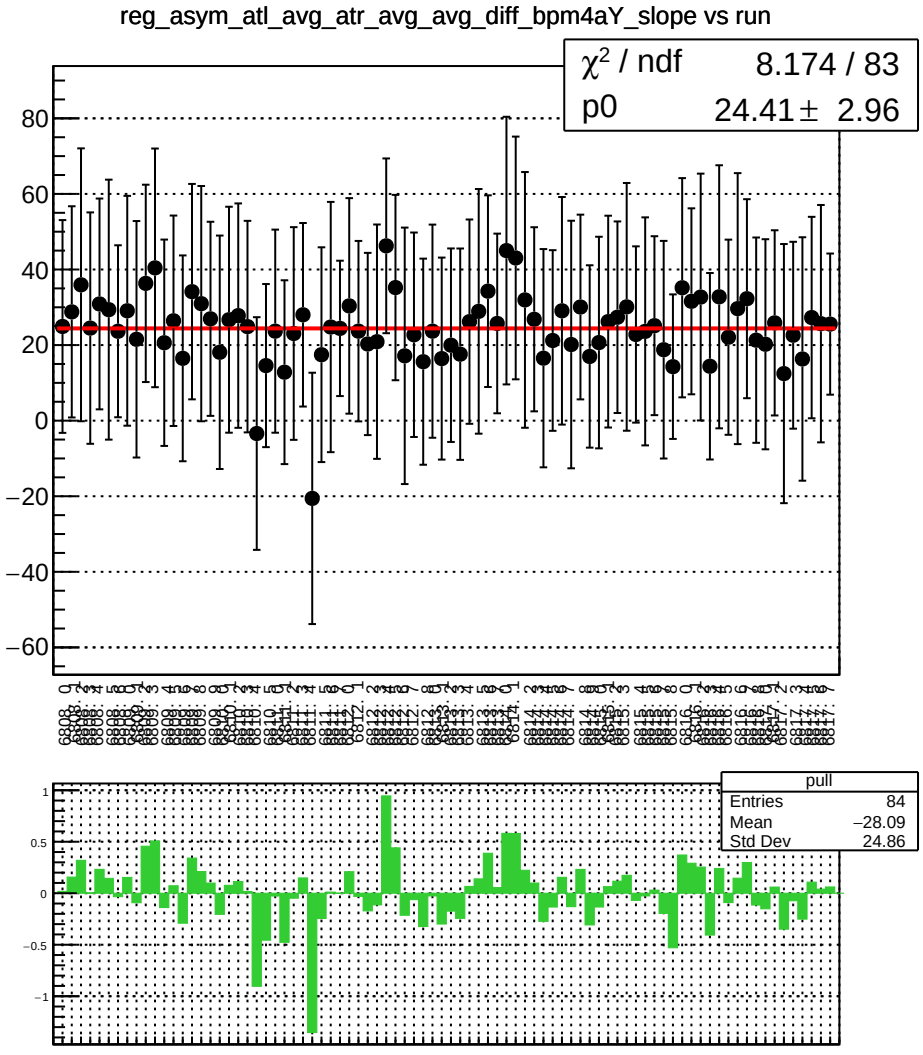

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.8 / 83
p0 −6.053 ± 1.243
pull
Entries 84
Mean −132.5
Std Dev 156.8

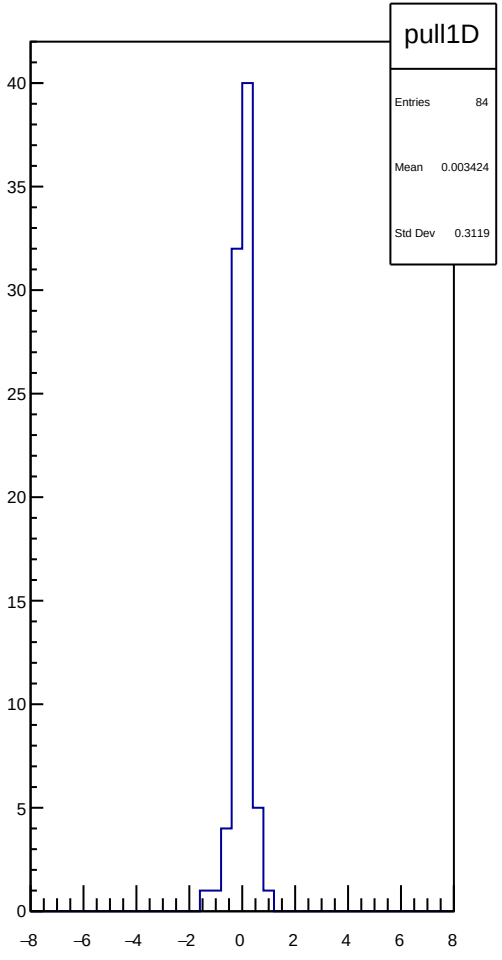

pull1D
Entries 84
Mean 0.01069
Std Dev 0.9868

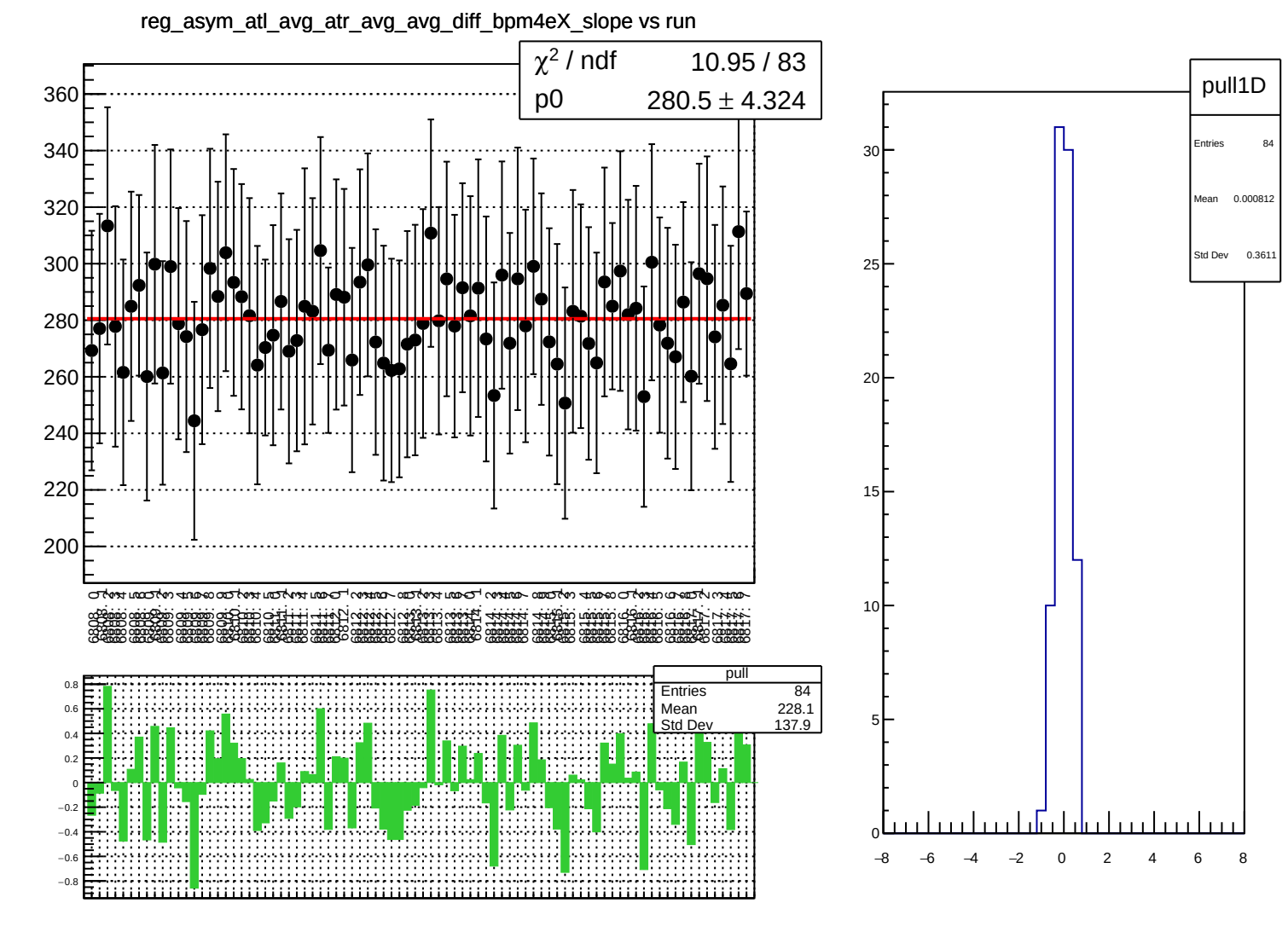

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 114.6 / 83
p0 7.238 ± 0.065
pull
Entries 84
Mean 170.8
Std Dev 135.1

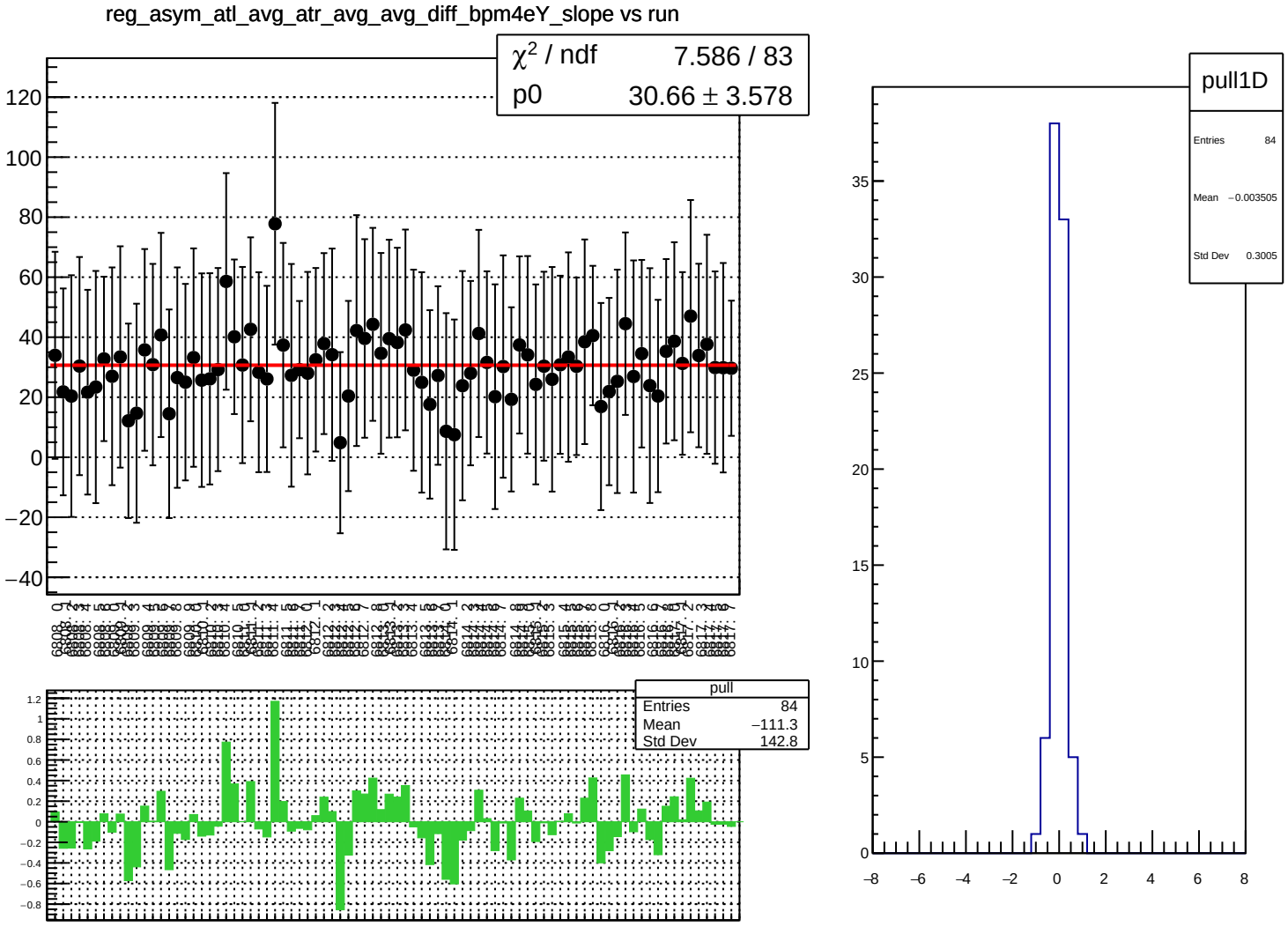

pull1D
Entries 84
Mean −0.0298
Std Dev 1.168

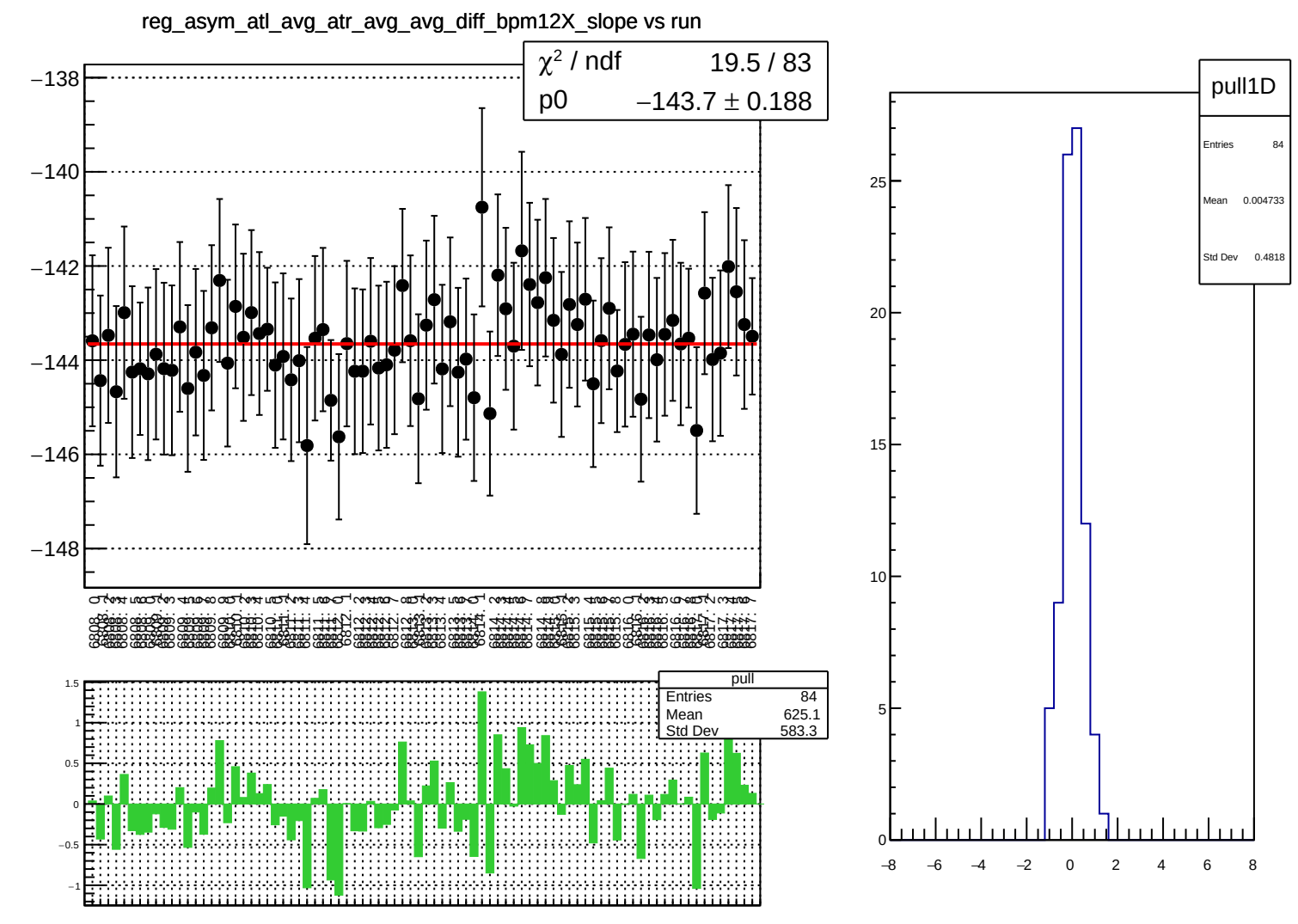

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 11.4 / 83
p0 −295.6 ± 4.624
pull
Entries 84
Mean −64.48
Std Dev 85.79
pull1D
Entries 84
Mean −0.0006543
Std Dev 0.3683

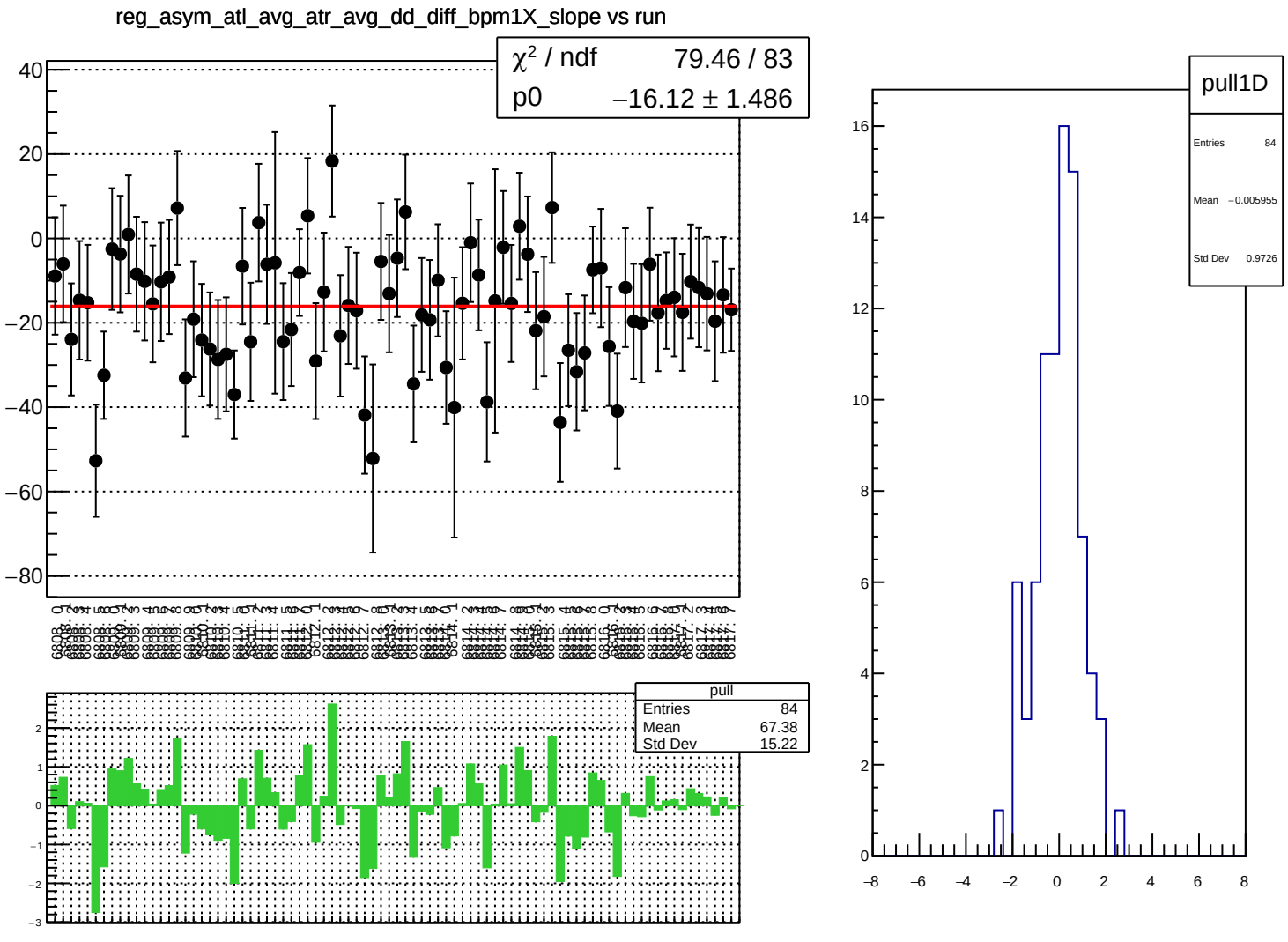

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.174 / 83
p0 24.41 ± 2.96
pull
Entries 84
Mean −28.09
Std Dev 24.86

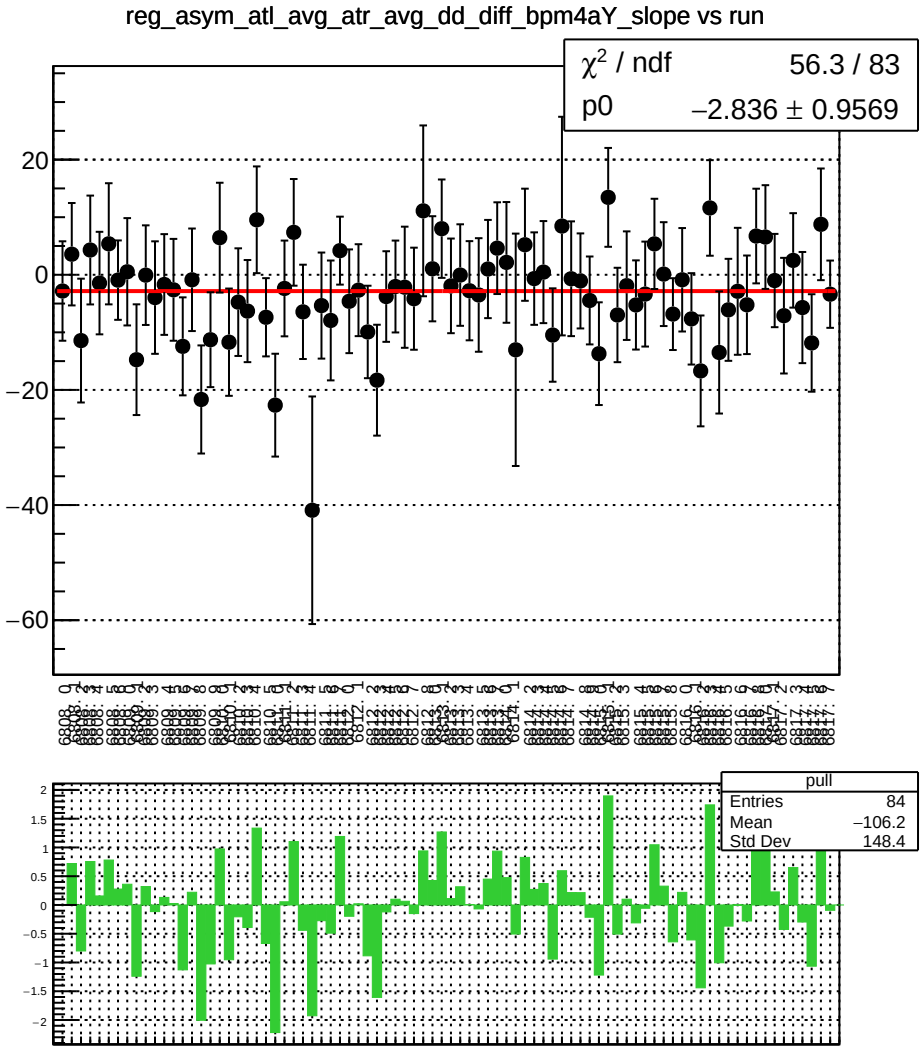

pull1D
Entries 84
Mean 0.003424
Std Dev 0.3119

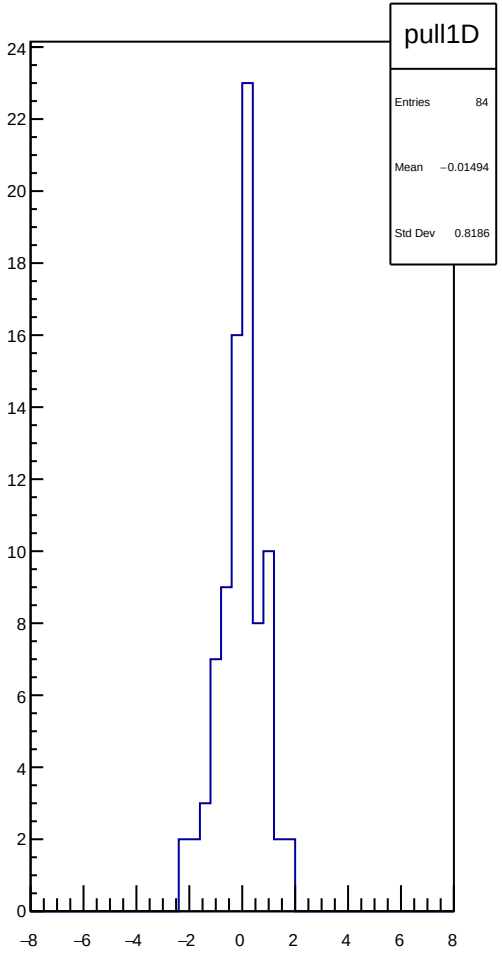

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.95 / 83
p0 280.5 ± 4.324
pull
Entries 84
Mean 228.1
Std Dev 137.9
pull1D
Entries 84
Mean 0.000812
Std Dev 0.3611

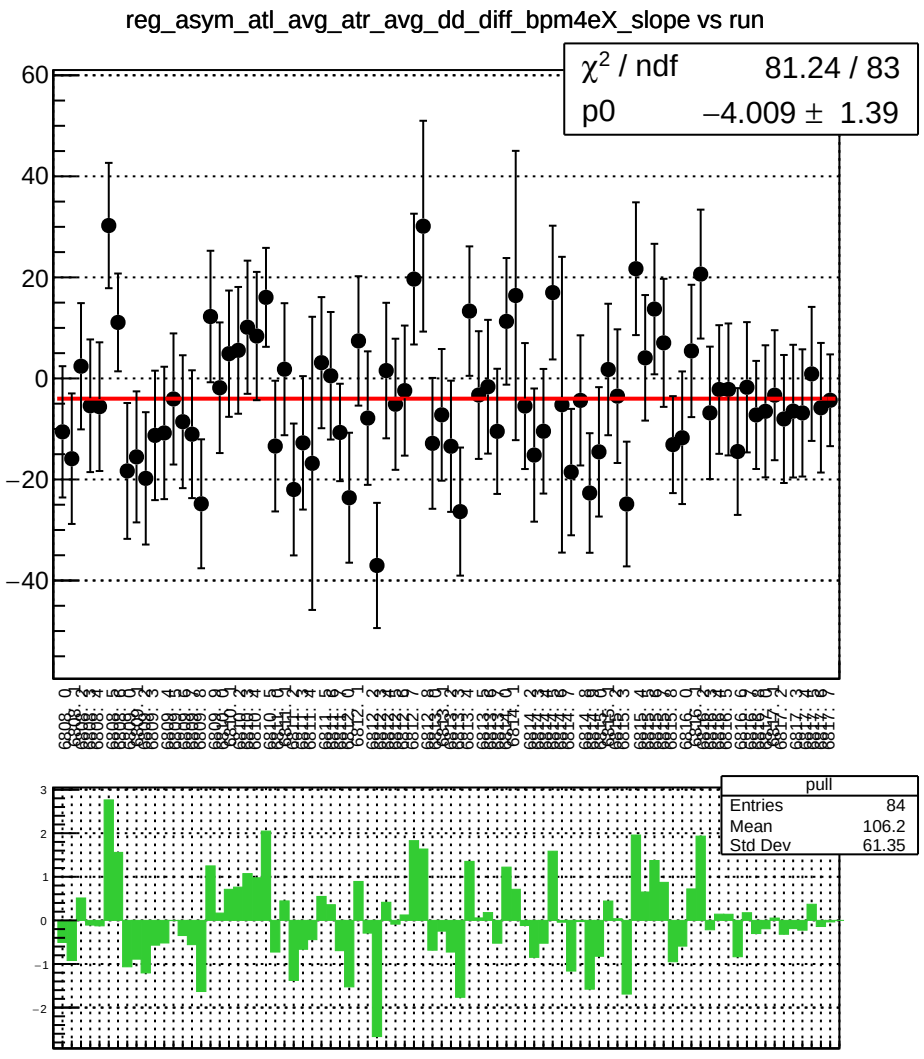

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.586 / 83
p0 30.66 ± 3.578
pull
Entries 84
Mean −111.3
Std Dev 142.8
pull1D
Entries 84
Mean −0.003505
Std Dev 0.3005

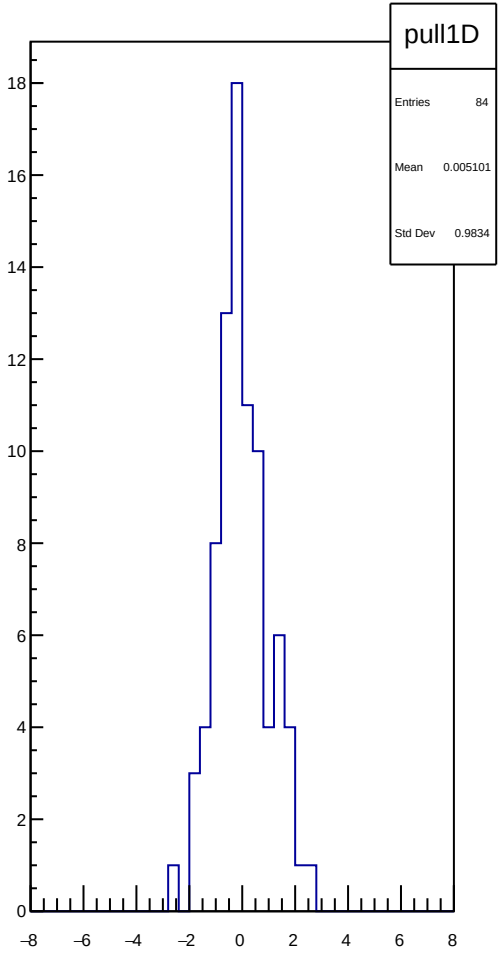

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 19.5 / 83
p0 −143.7 ± 0.188
pull
Entries 84
Mean 625.1
Std Dev 583.3
pull1D
Entries 84
Mean 0.004733
Std Dev 0.4818

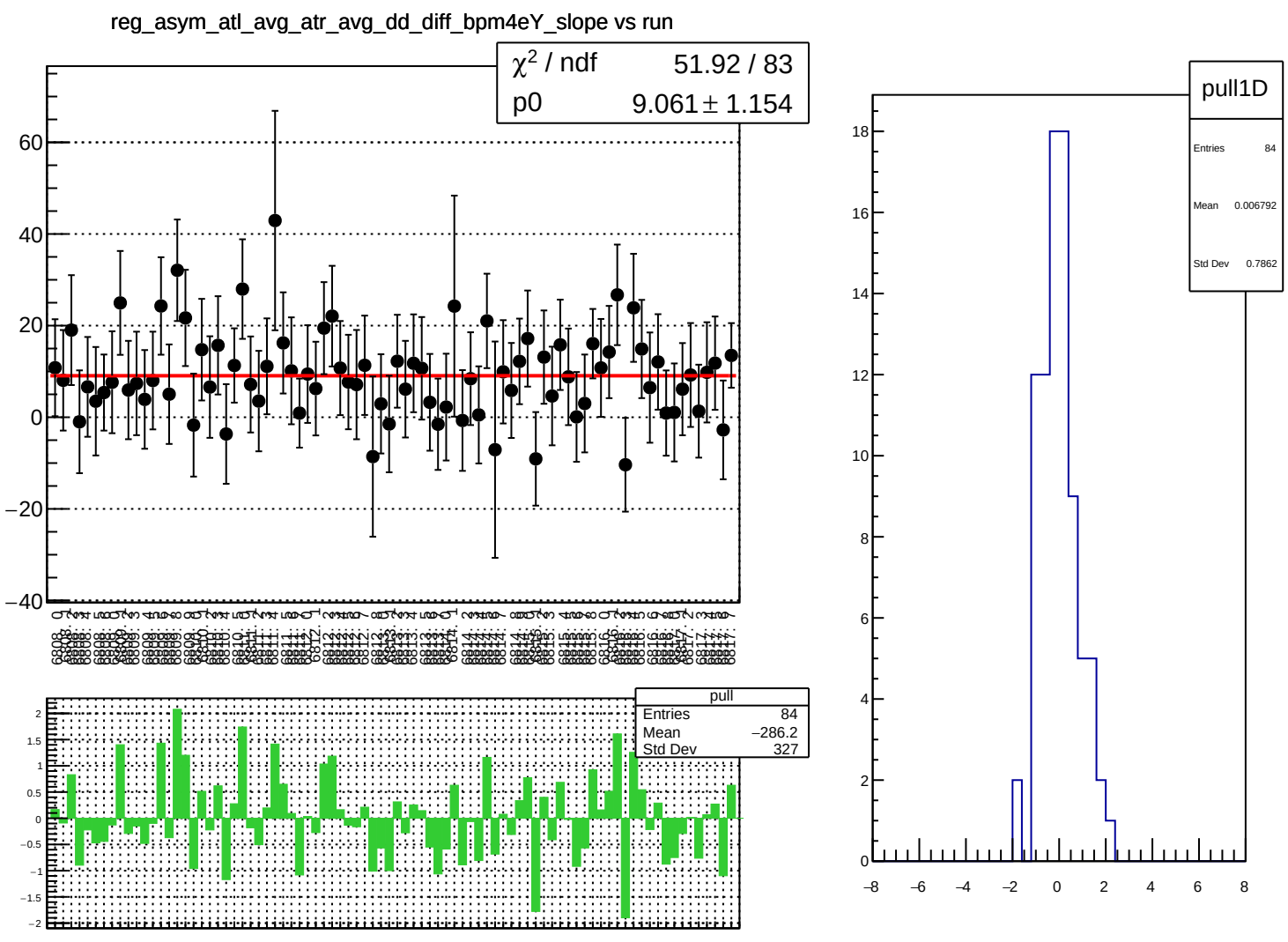

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 79.46 / 83
p0 −16.12 ± 1.486
pull
Entries 84
Mean 67.38
Std Dev 15.22
pull1D
Entries 84
Mean −0.005955
Std Dev 0.9726

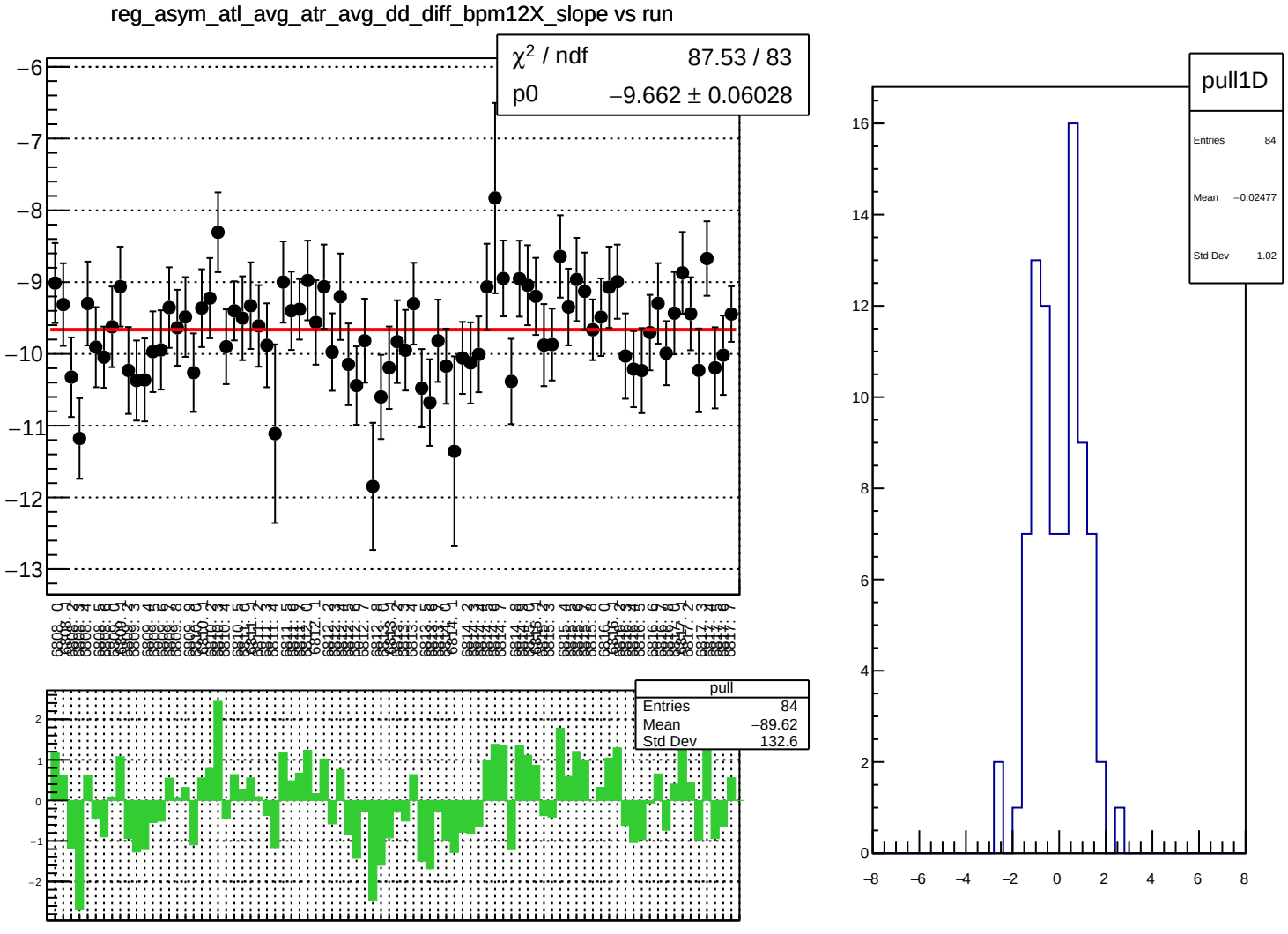

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.3 / 83
p0 −2.836 ± 0.9569
pull
Entries 84
Mean −106.2
Std Dev 148.4

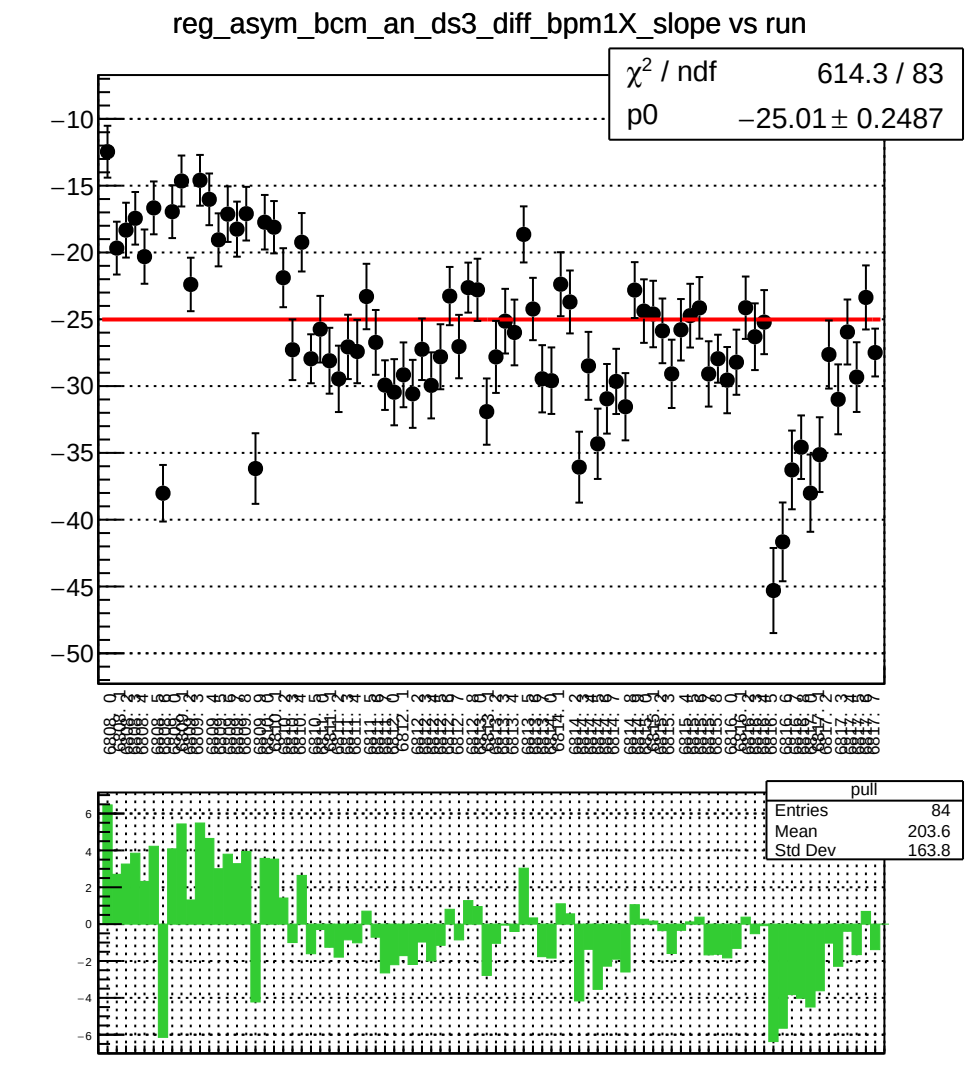

pull1D
Entries 84
Mean −0.01494
Std Dev 0.8186

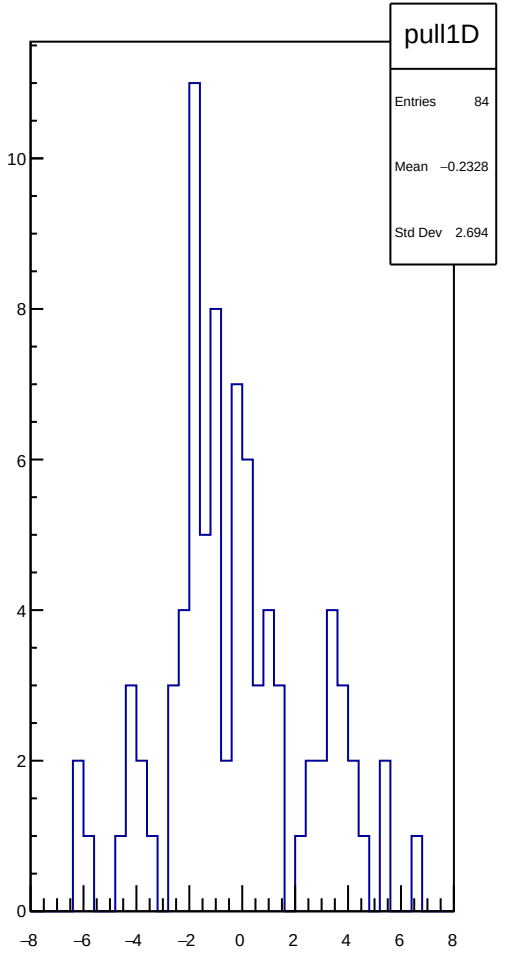

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 81.24 / 83
p0 −4.009 ± 1.39
pull
Entries 84
Mean 106.2
Std Dev 61.35

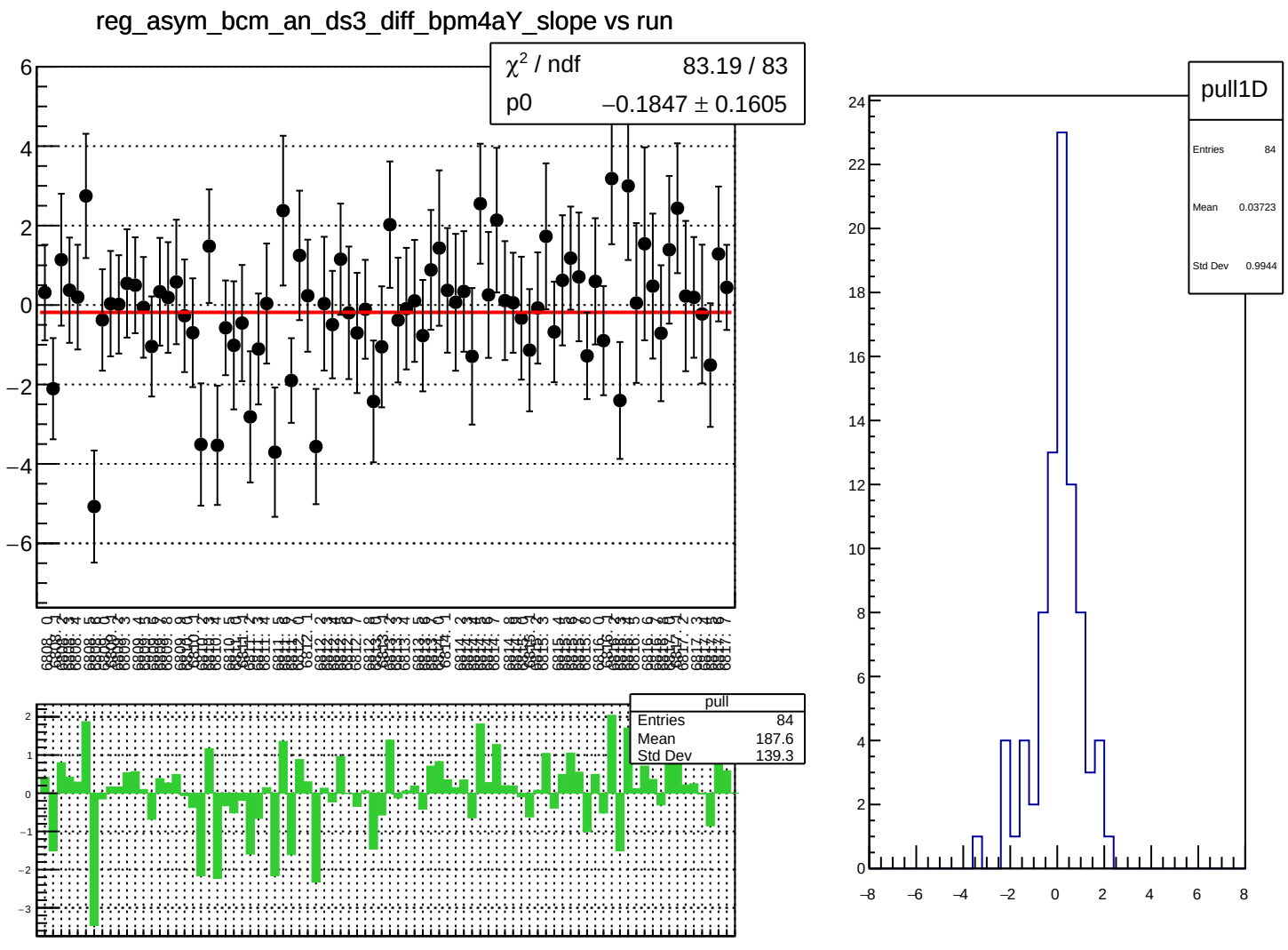

pull1D
Entries 84
Mean 0.005101
Std Dev 0.9834

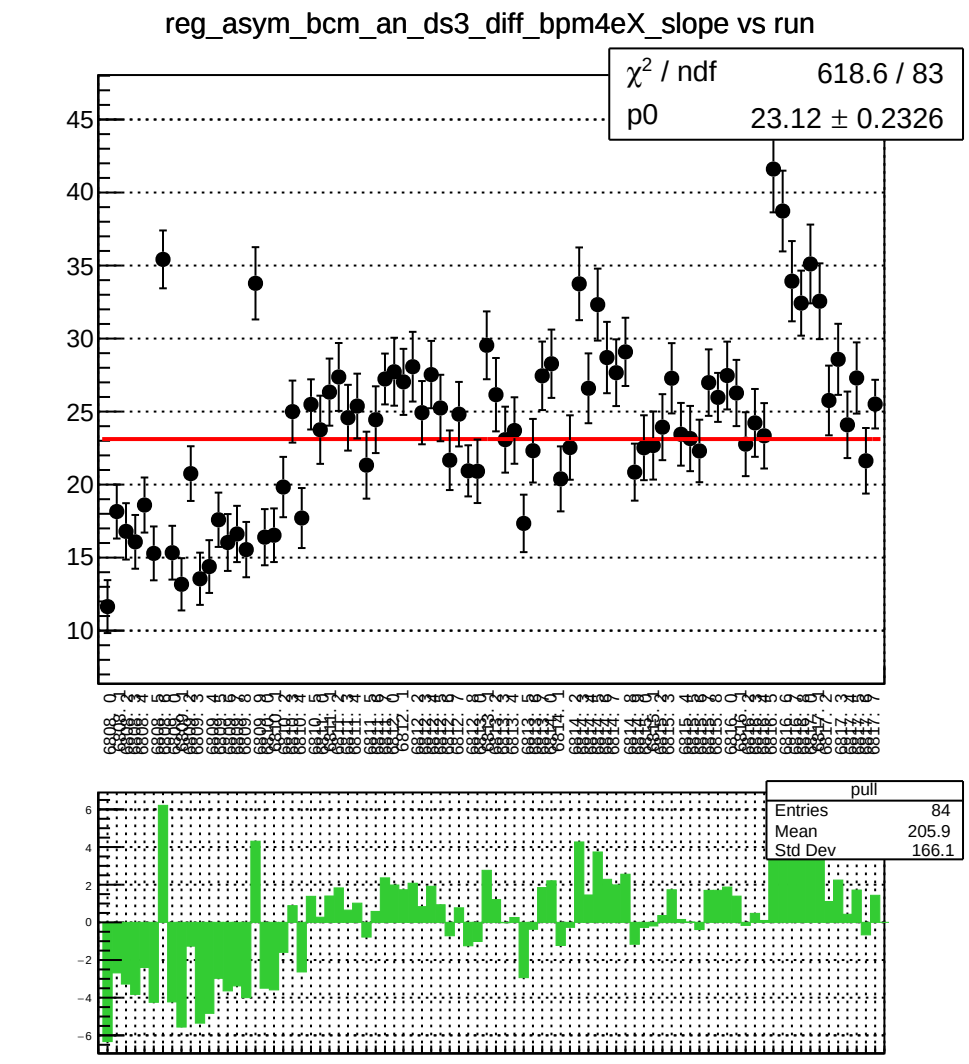

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.92 / 83
p0 9.061 ± 1.154
pull
Entries 84
Mean −286.2
Std Dev 327
pull1D
Entries 84
Mean 0.006792
Std Dev 0.7862

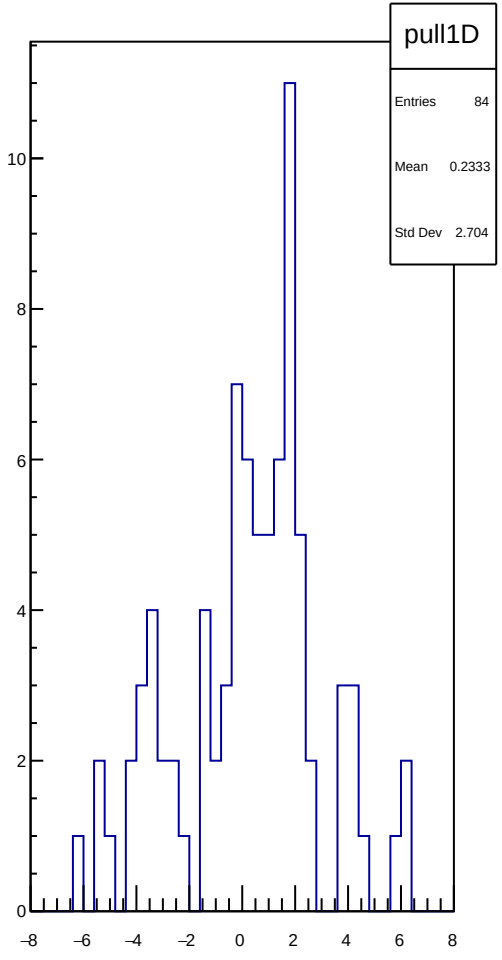

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 87.53 / 83
p0 −9.662 ± 0.06028
pull
Entries 84
Mean −89.62
Std Dev 132.6
pull1D
Entries 84
Mean −0.02477
Std Dev 1.02

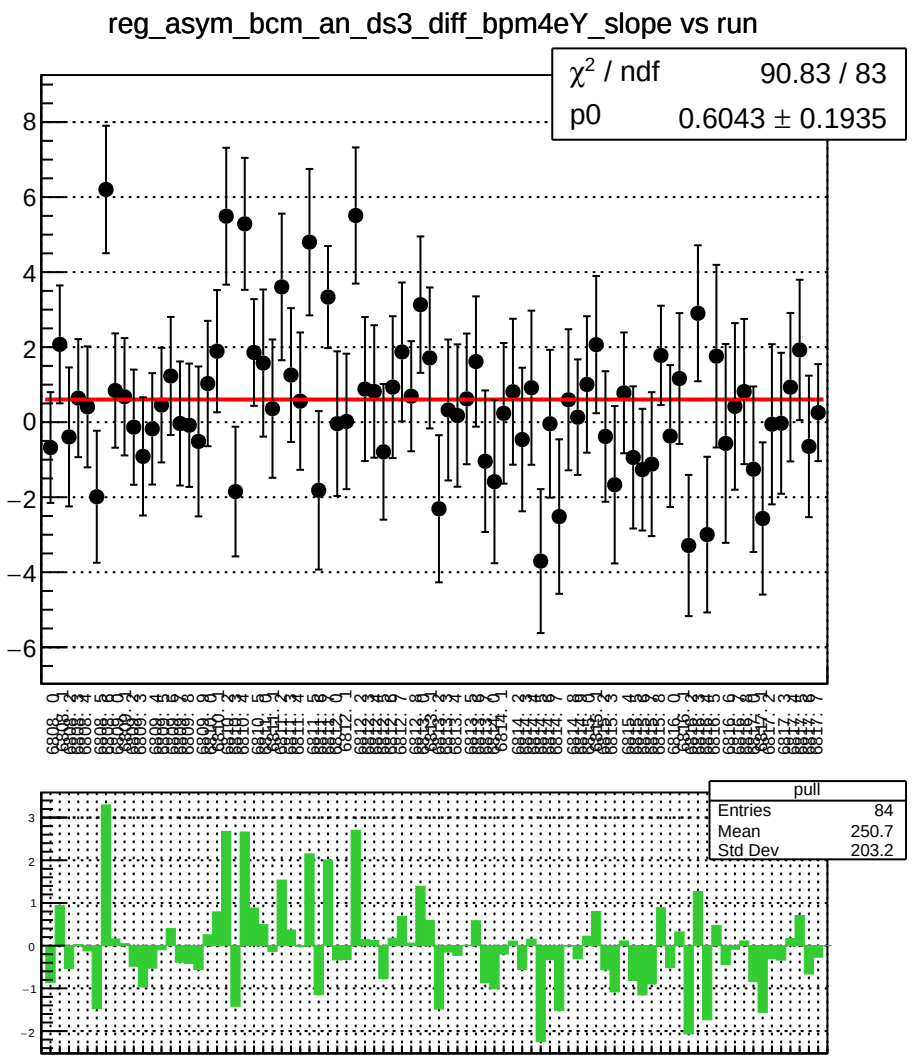

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 614.3 / 83
p0 −25.01 ± 0.2487
pull
Entries 84
Mean 203.6
Std Dev 163.8

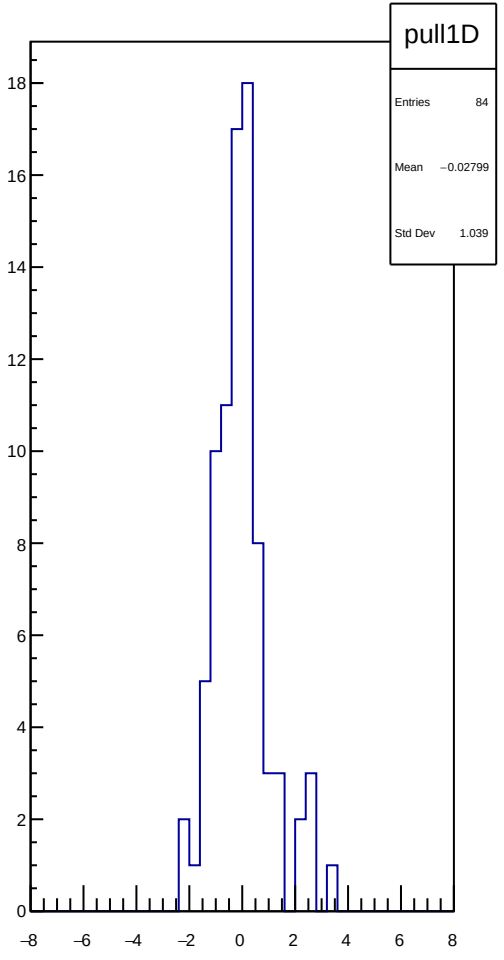

pull1D
Entries 84
Mean −0.2328
Std Dev 2.694

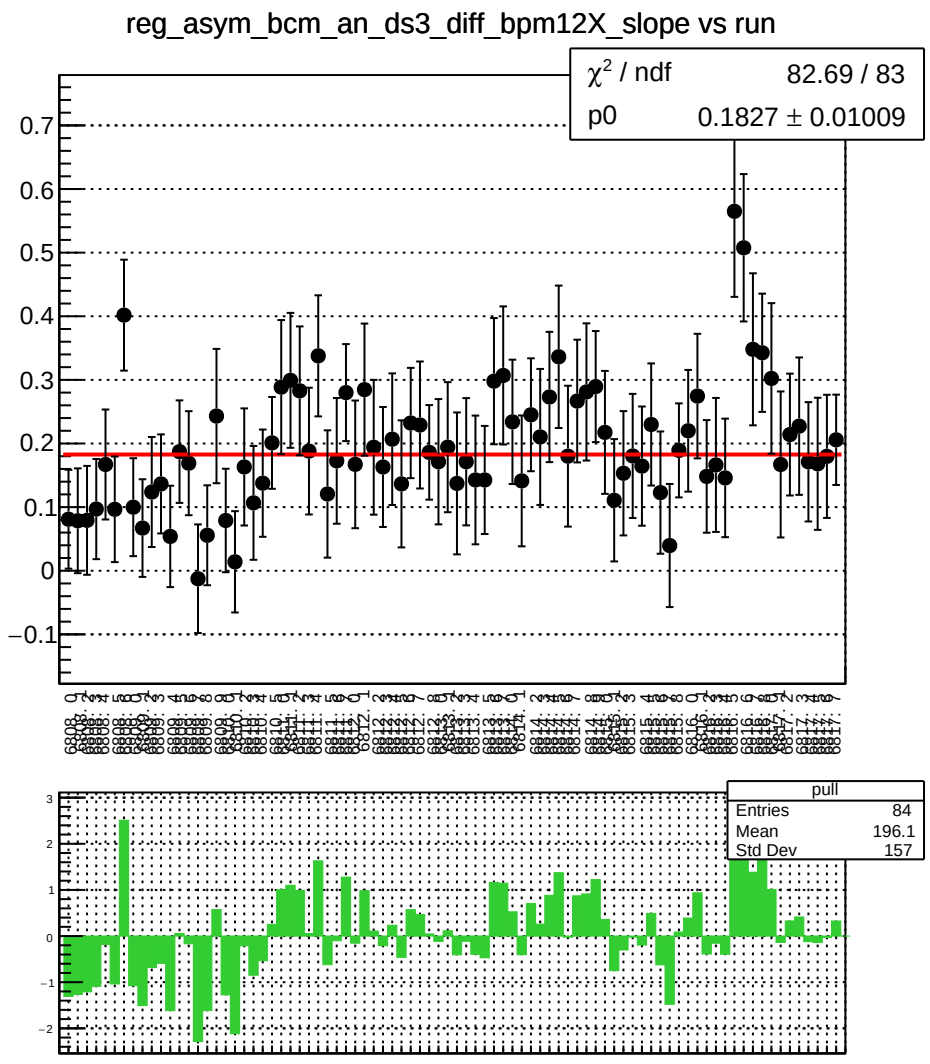

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 83.19 / 83
p0 −0.1847 ± 0.1605
pull
Entries 84
Mean 187.6
Std Dev 139.3
pull1D
Entries 84
Mean 0.03723
Std Dev 0.9944

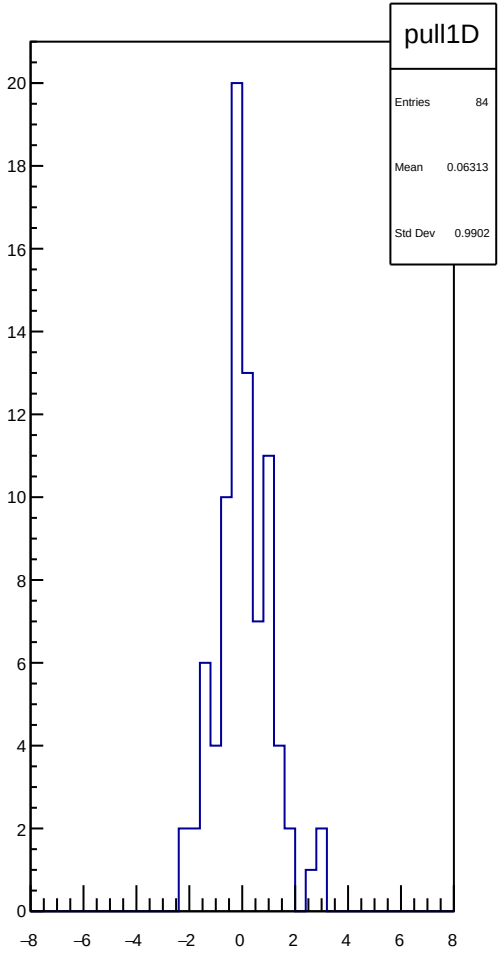

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 618.6 / 83
p0 23.12 ± 0.2326
pull
Entries 84
Mean 205.9
Std Dev 166.1

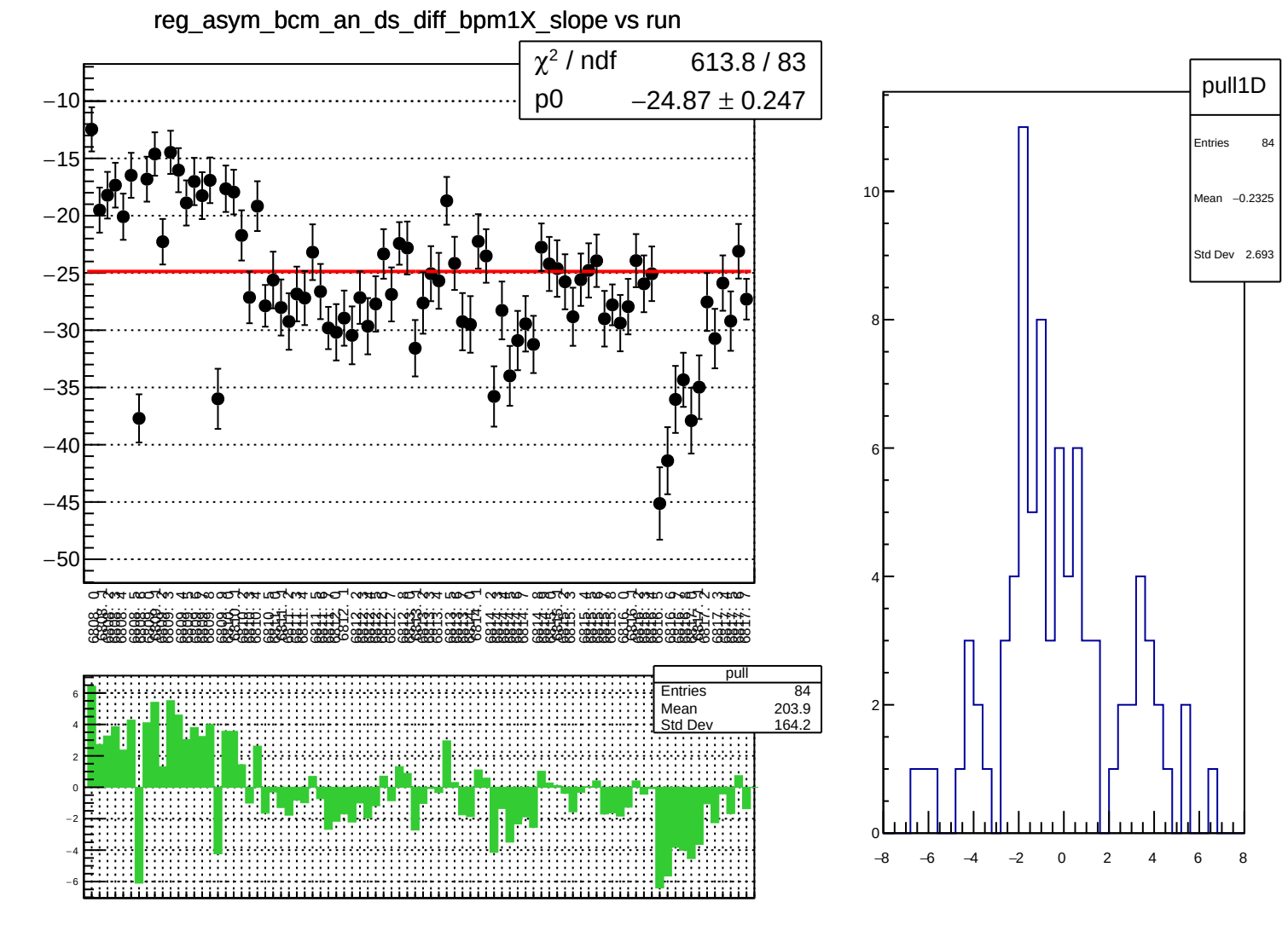

pull1D
Entries 84
Mean 0.2333
Std Dev 2.704

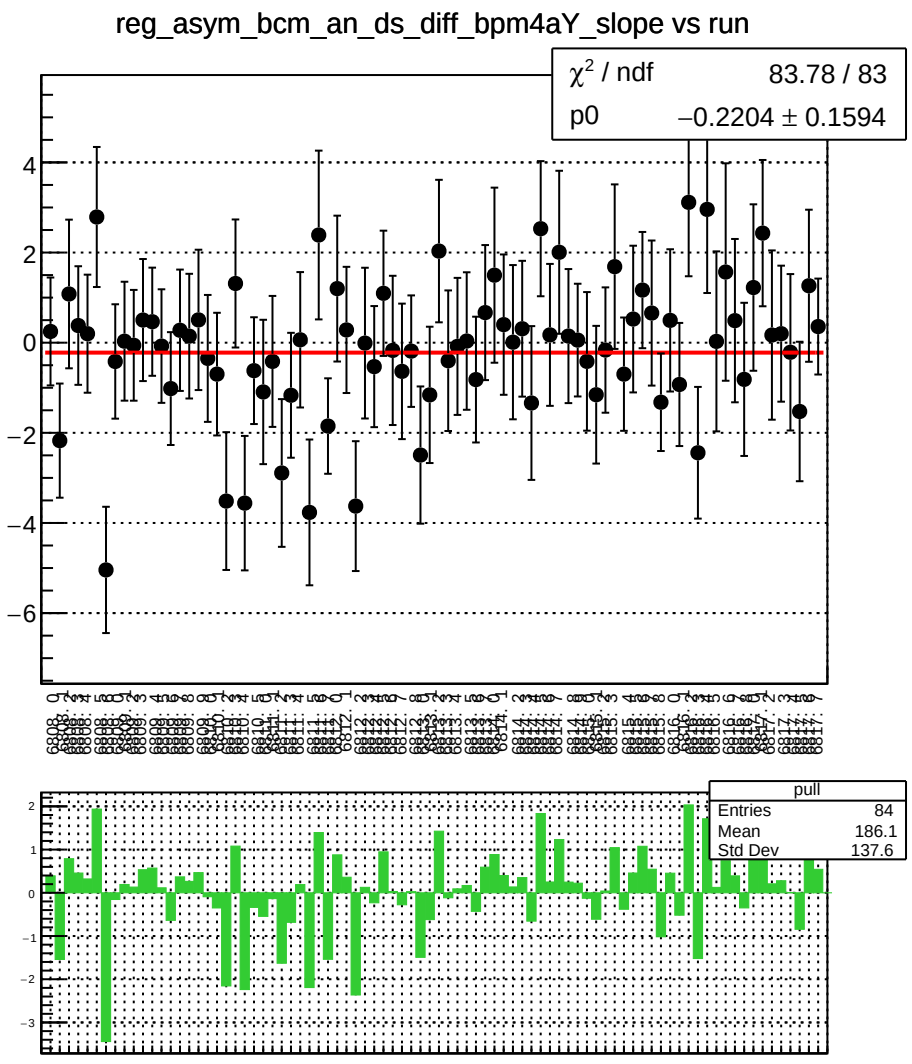

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 90.83 / 83
p0 0.6043 ± 0.1935
pull
Entries 84
Mean 250.7
Std Dev 203.2

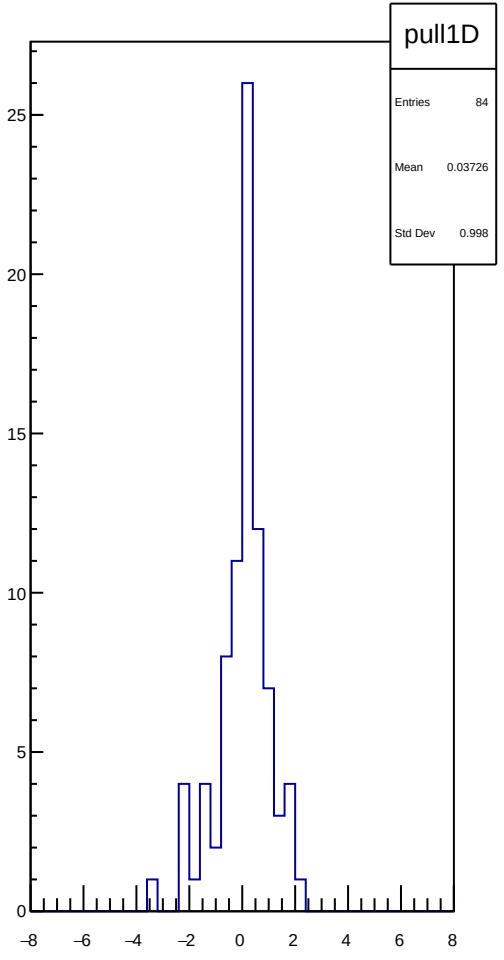

pull1D
Entries 84
Mean −0.02799
Std Dev 1.039

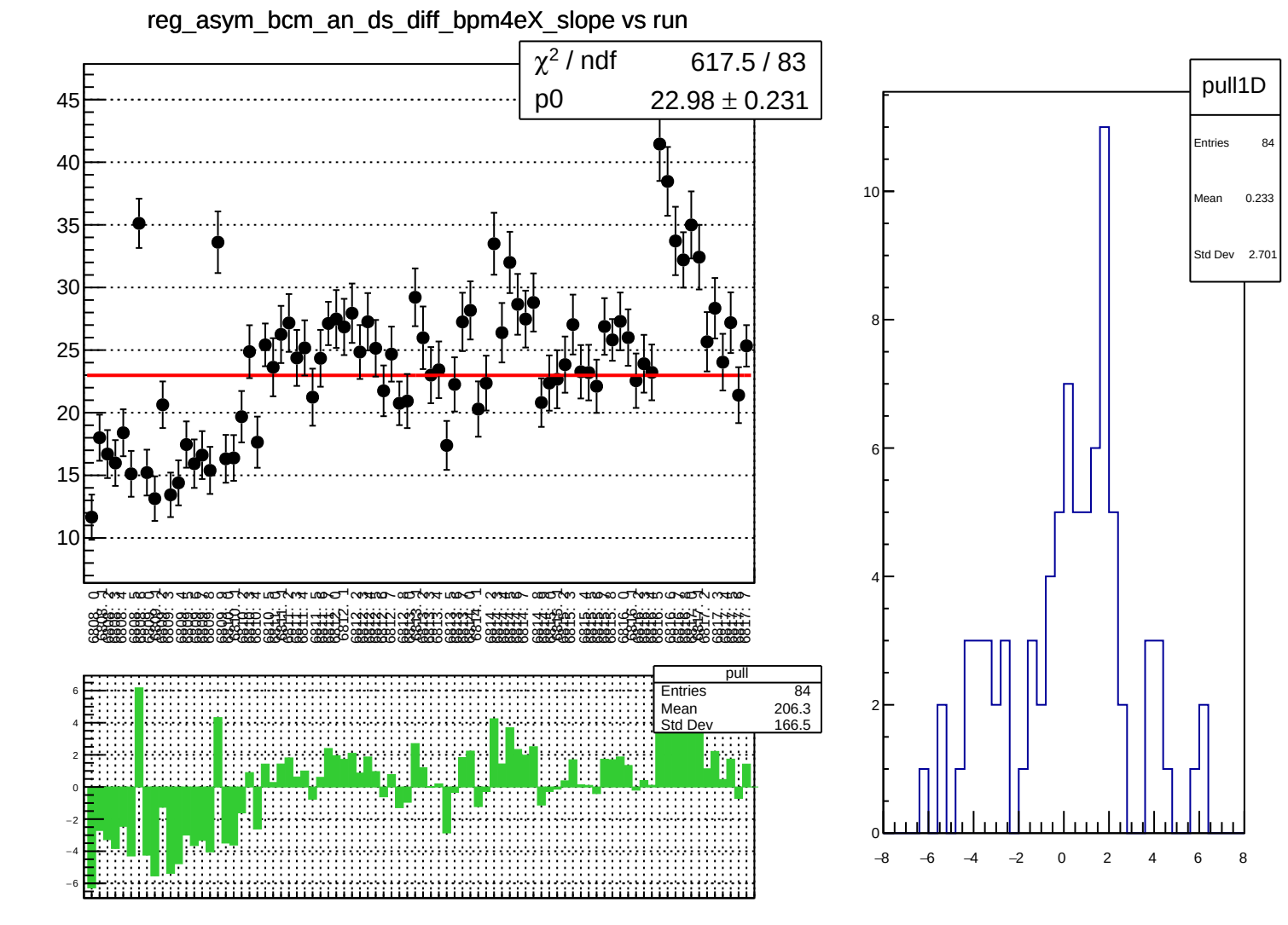

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 82.69 / 83
p0 0.1827 ± 0.01009
pull
Entries 84
Mean 196.1
Std Dev 157

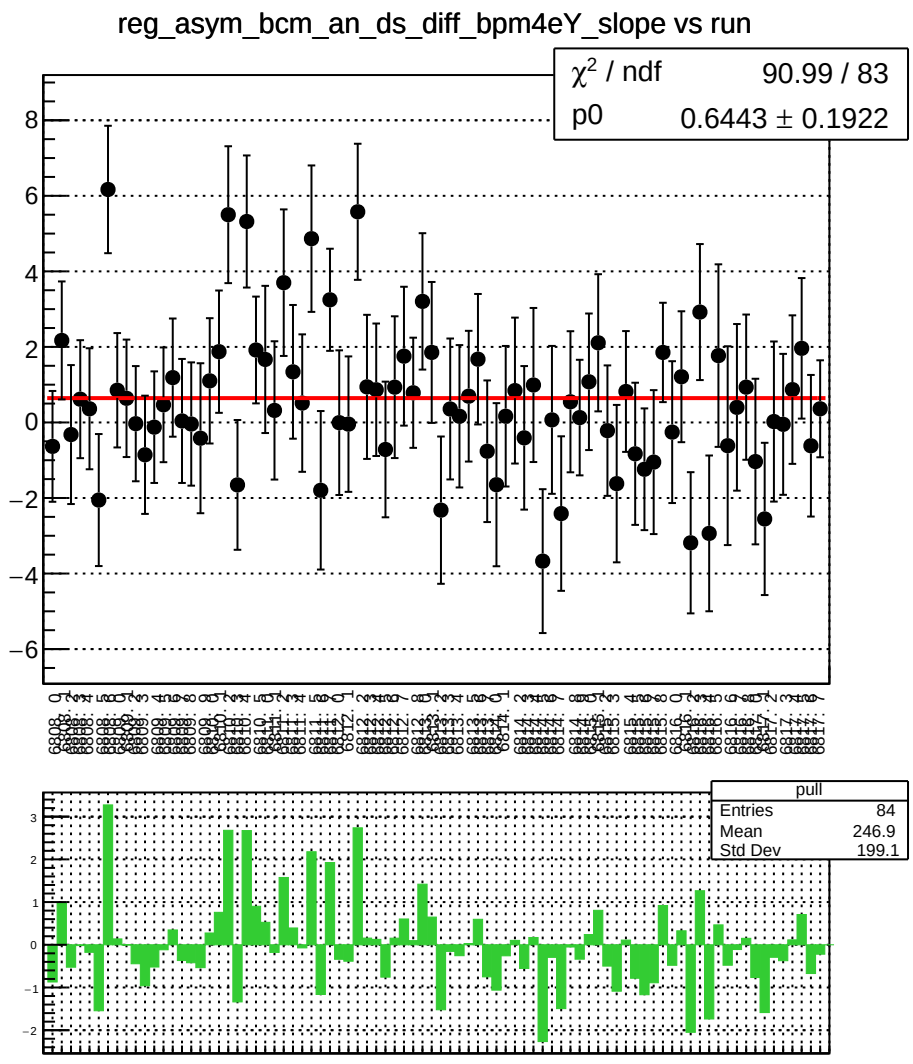

pull1D
Entries 84
Mean 0.06313
Std Dev 0.9902

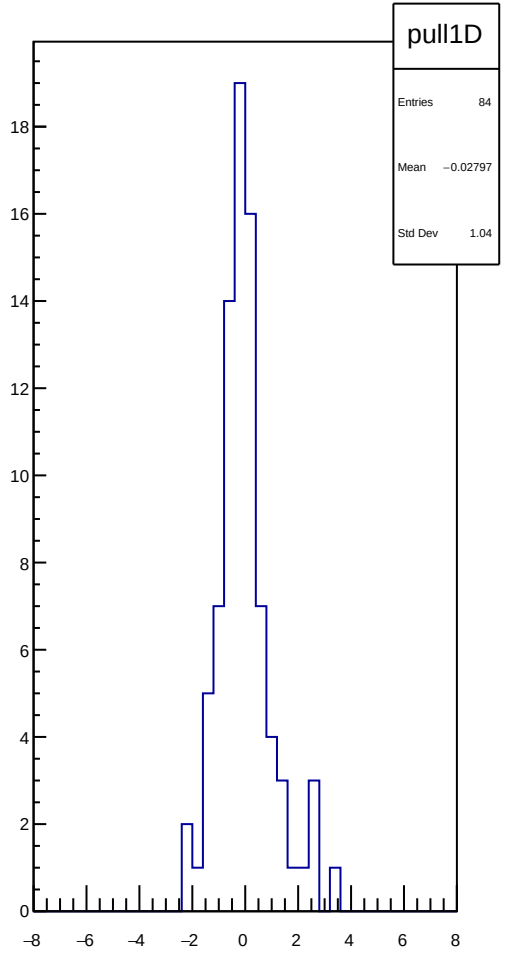

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 613.8 / 83
p0 −24.87 ± 0.247
pull
Entries 84
Mean 203.9
Std Dev 164.2
pull1D
Entries 84
Mean −0.2325
Std Dev 2.693

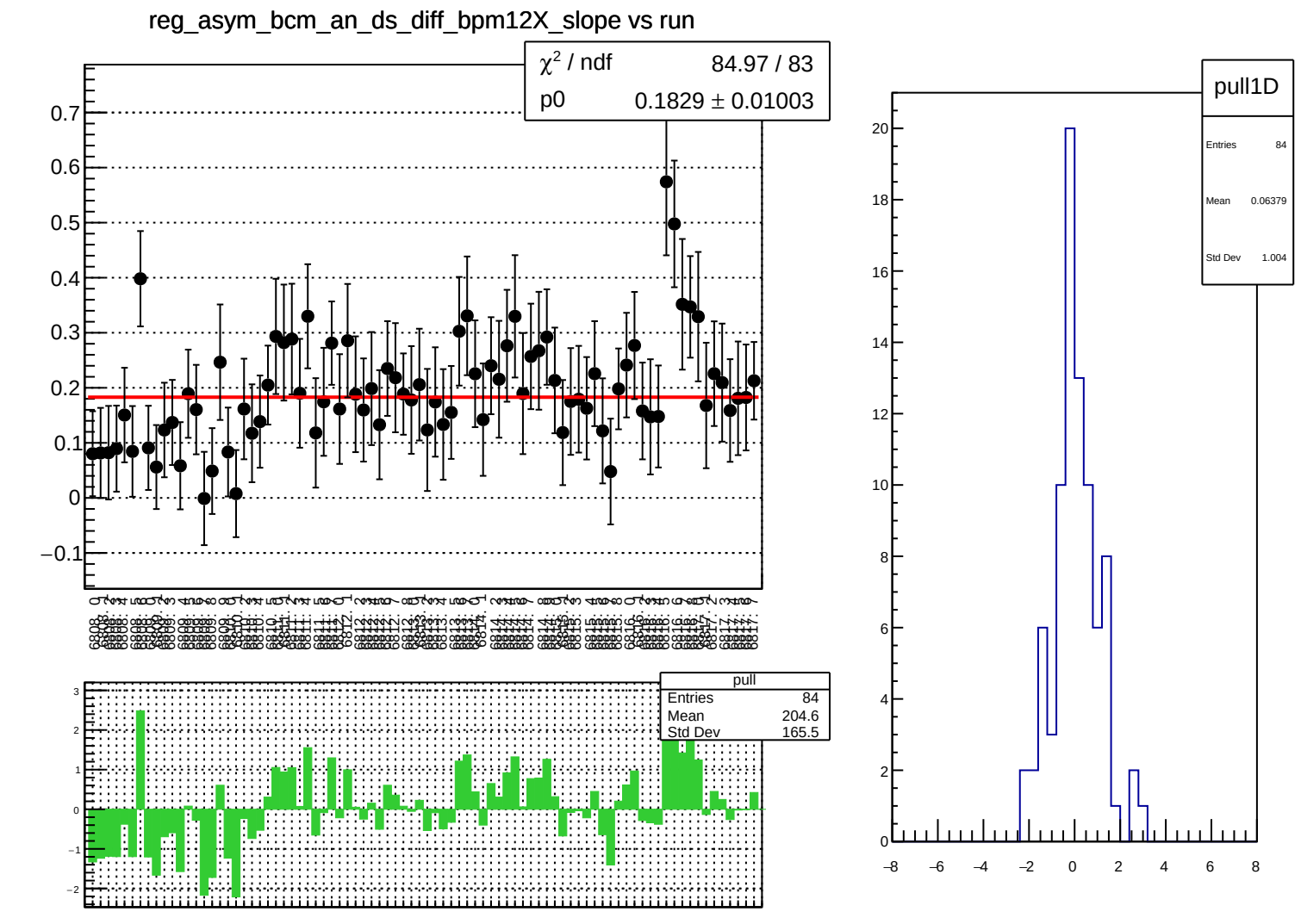

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 83.78 / 83
p0 −0.2204 ± 0.1594
pull
Entries 84
Mean 186.1
Std Dev 137.6

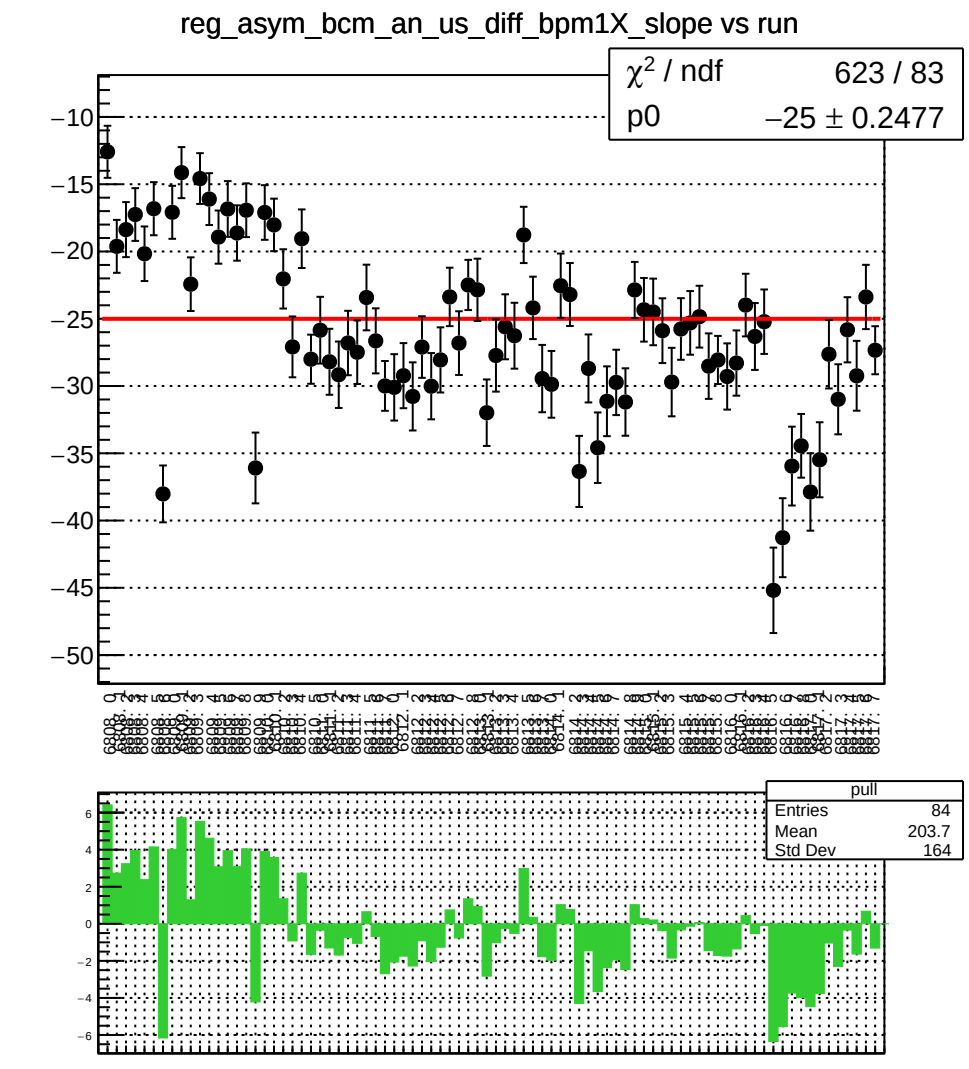

pull1D
Entries 84
Mean 0.03726
Std Dev 0.998

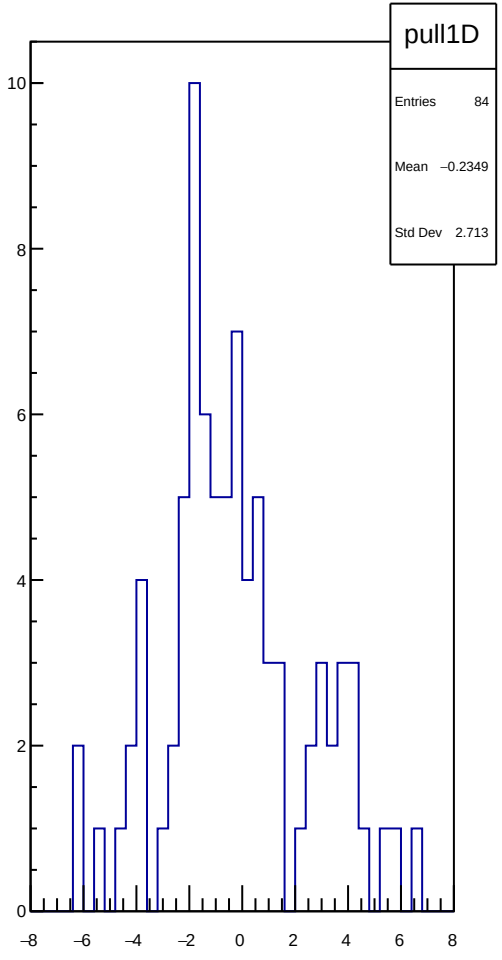

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 617.5 / 83
p0 22.98 ± 0.231
pull
Entries 84
Mean 206.3
Std Dev 166.5
pull1D
Entries 84
Mean 0.233
Std Dev 2.701

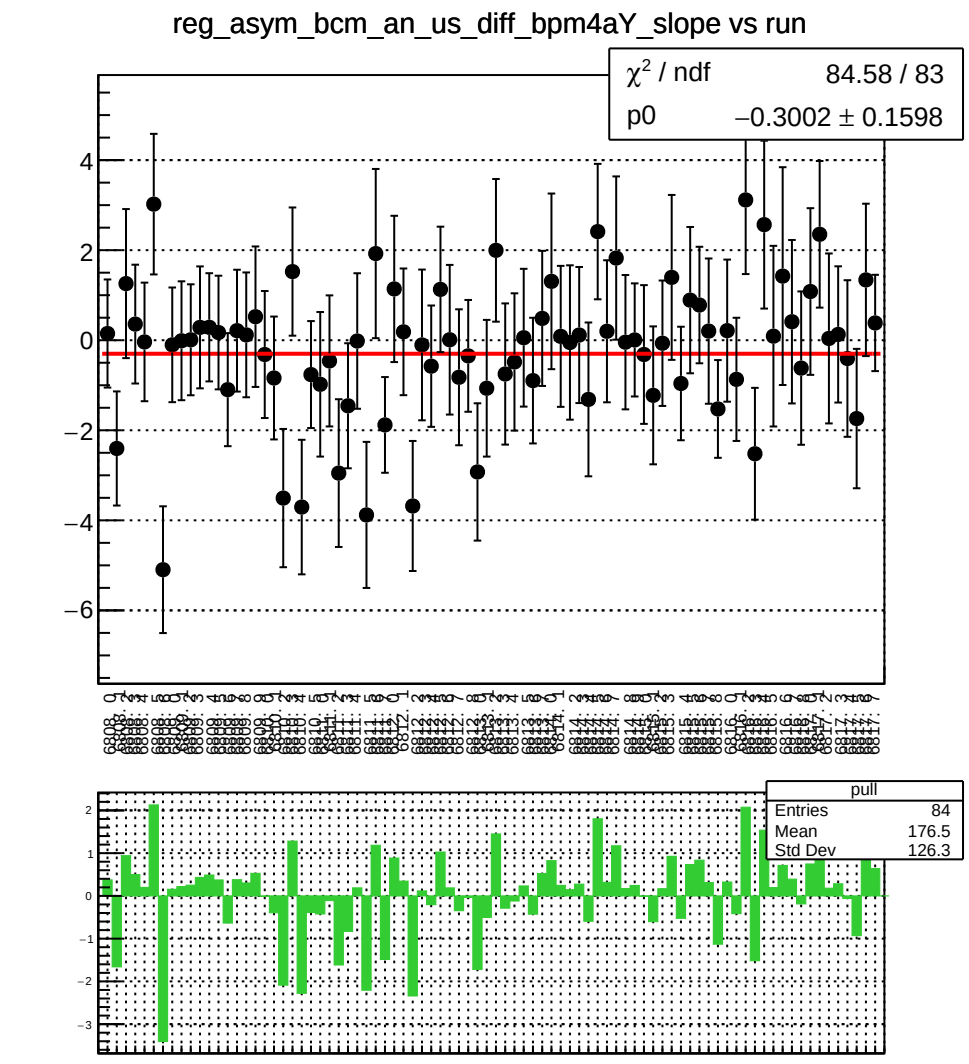

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 90.99 / 83
p0 0.6443 ± 0.1922
pull
Entries 84
Mean 246.9
Std Dev 199.1

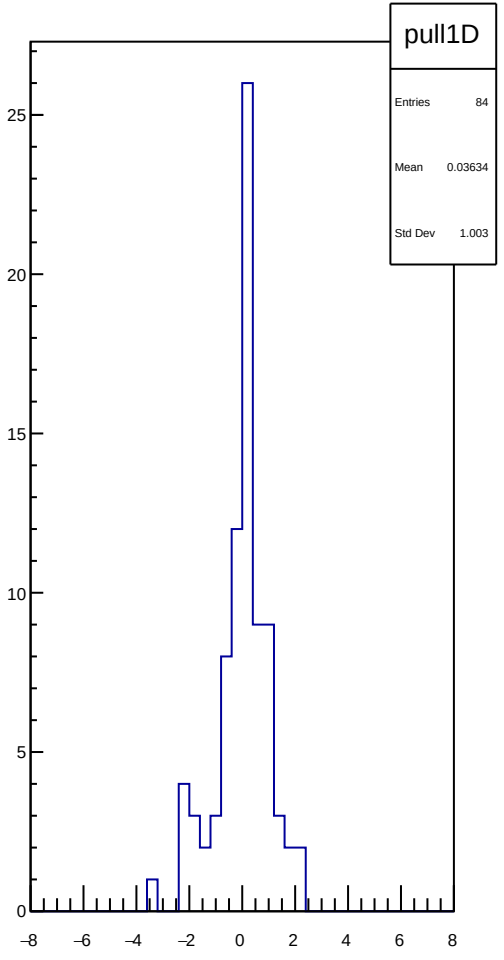

pull1D
Entries 84
Mean −0.02797
Std Dev 1.04

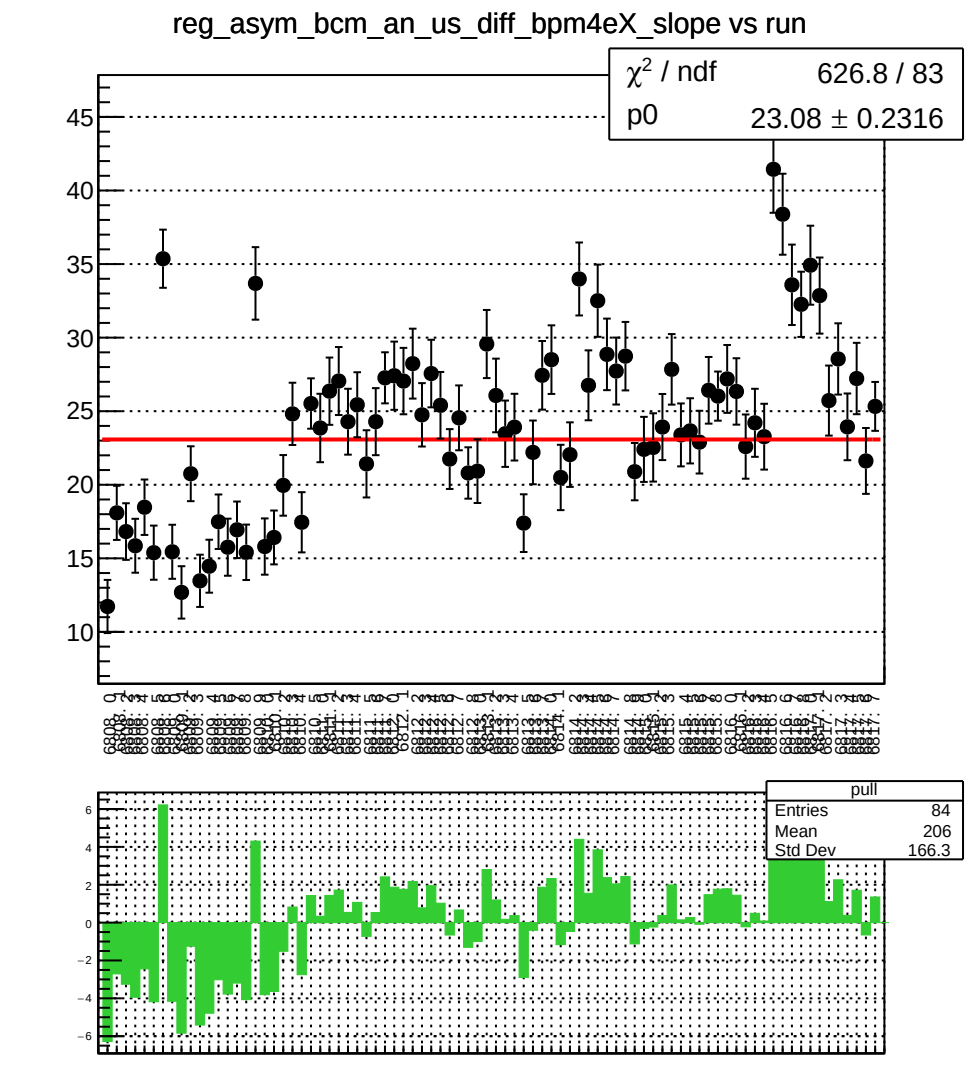

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 84.97 / 83
p0 0.1829 ± 0.01003
pull
Entries 84
Mean 204.6
Std Dev 165.5
pull1D
Entries 84
Mean 0.06379
Std Dev 1.004

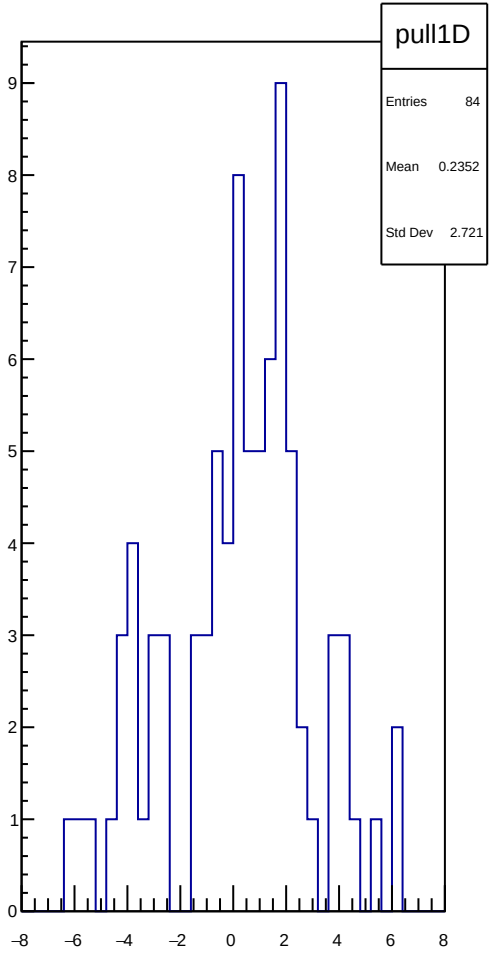

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 623 / 83
p0 −25 ± 0.2477
pull
Entries 84
Mean 203.7
Std Dev 164

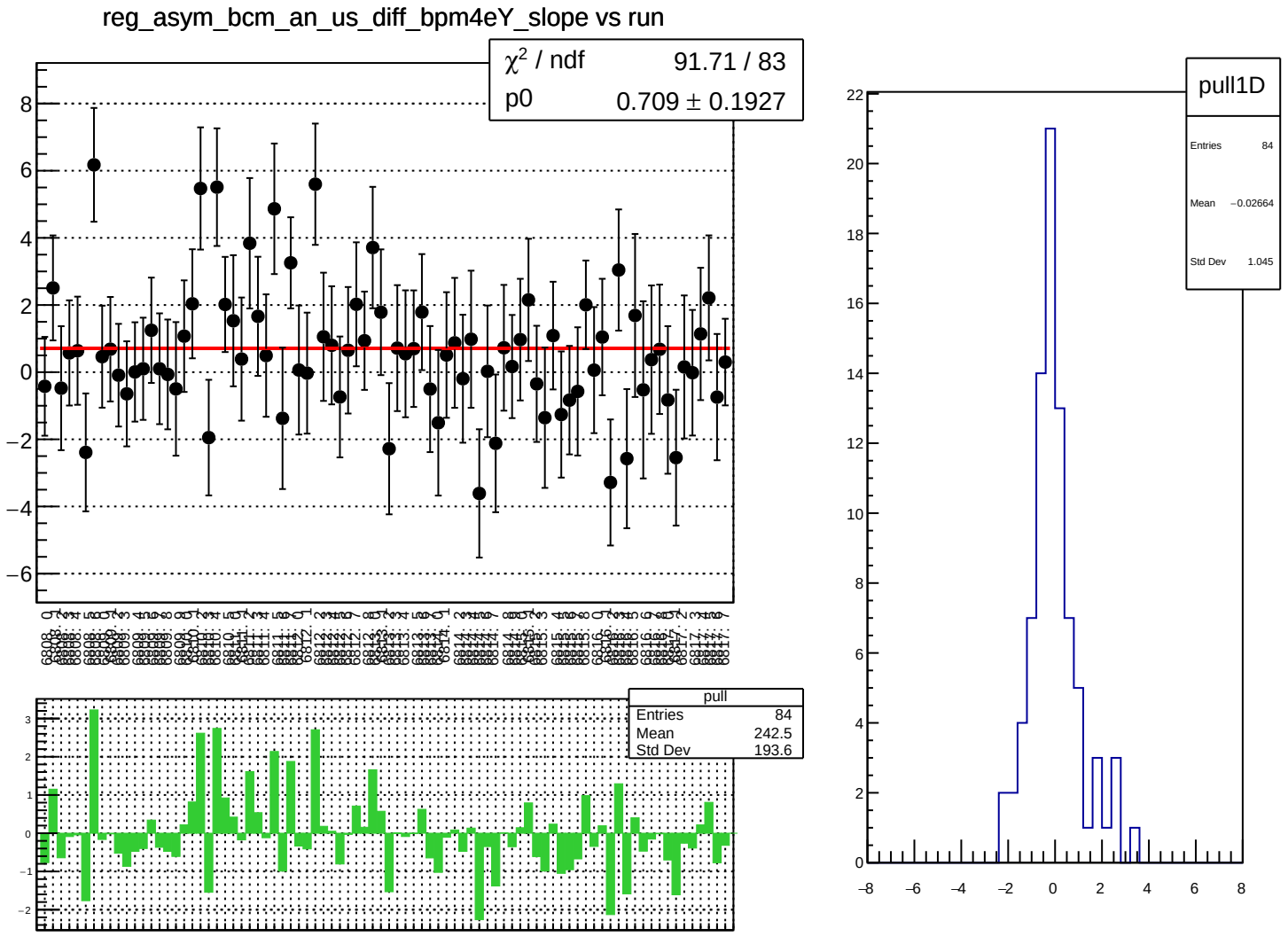

pull1D
Entries 84
Mean −0.2349
Std Dev 2.713

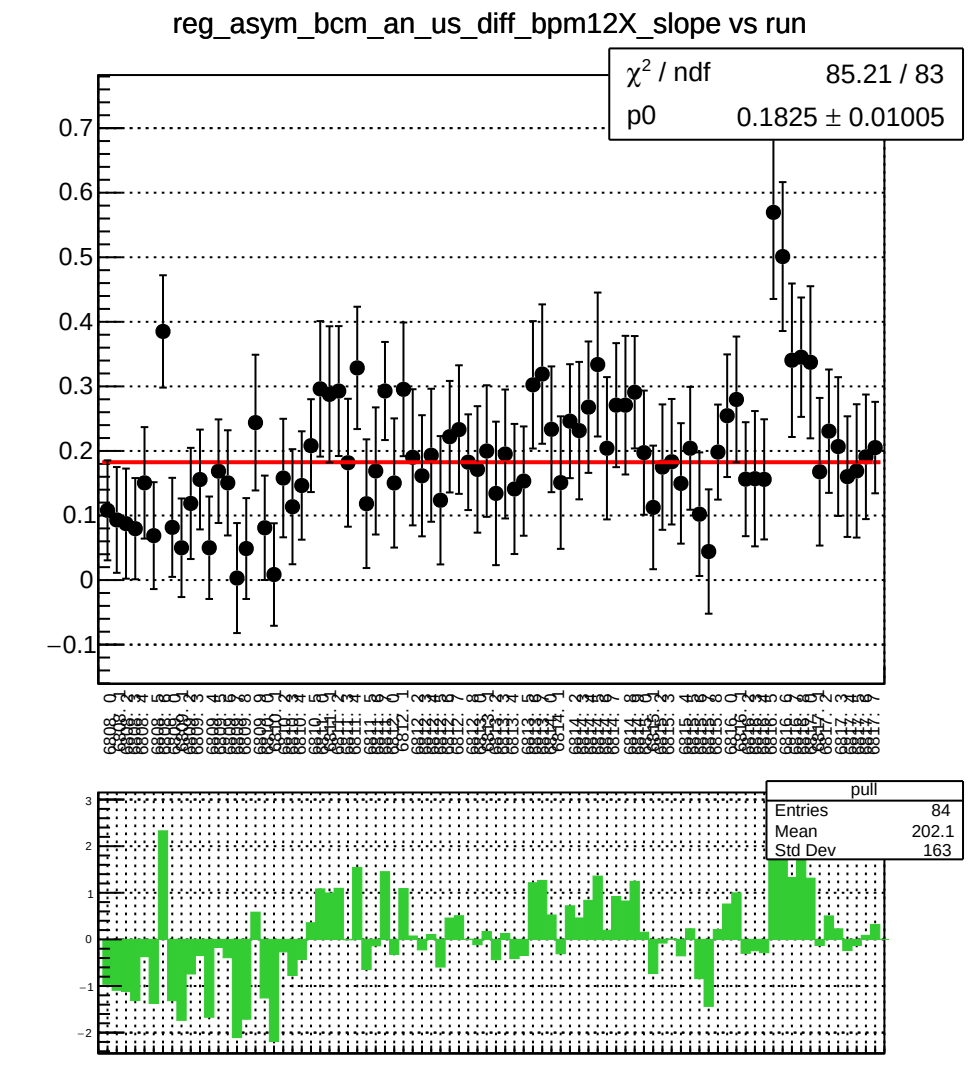

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 84.58 / 83
p0 −0.3002 ± 0.1598
pull
Entries 84
Mean 176.5
Std Dev 126.3

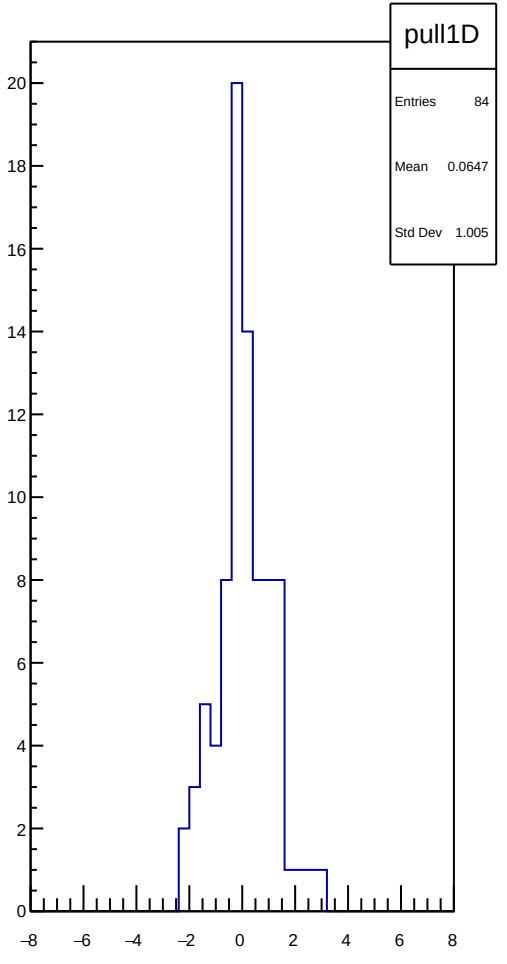

pull1D
Entries 84
Mean 0.03634
Std Dev 1.003

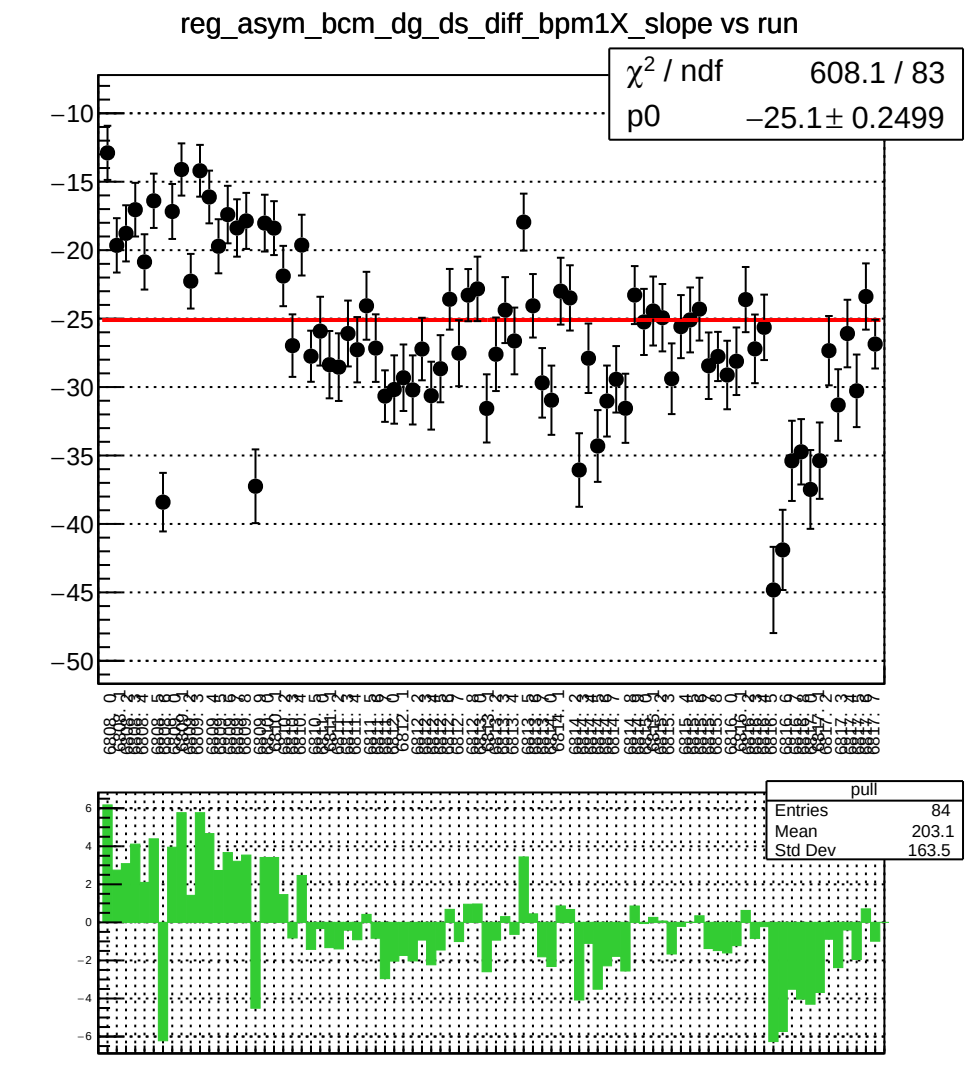

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 626.8 / 83
p0 23.08 ± 0.2316
pull
Entries 84
Mean 206
Std Dev 166.3

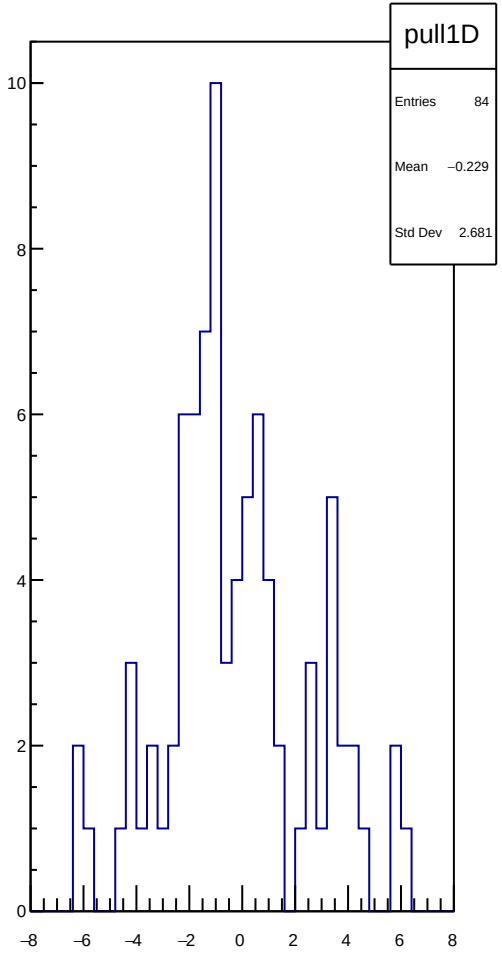

pull1D
Entries 84
Mean 0.2352
Std Dev 2.721

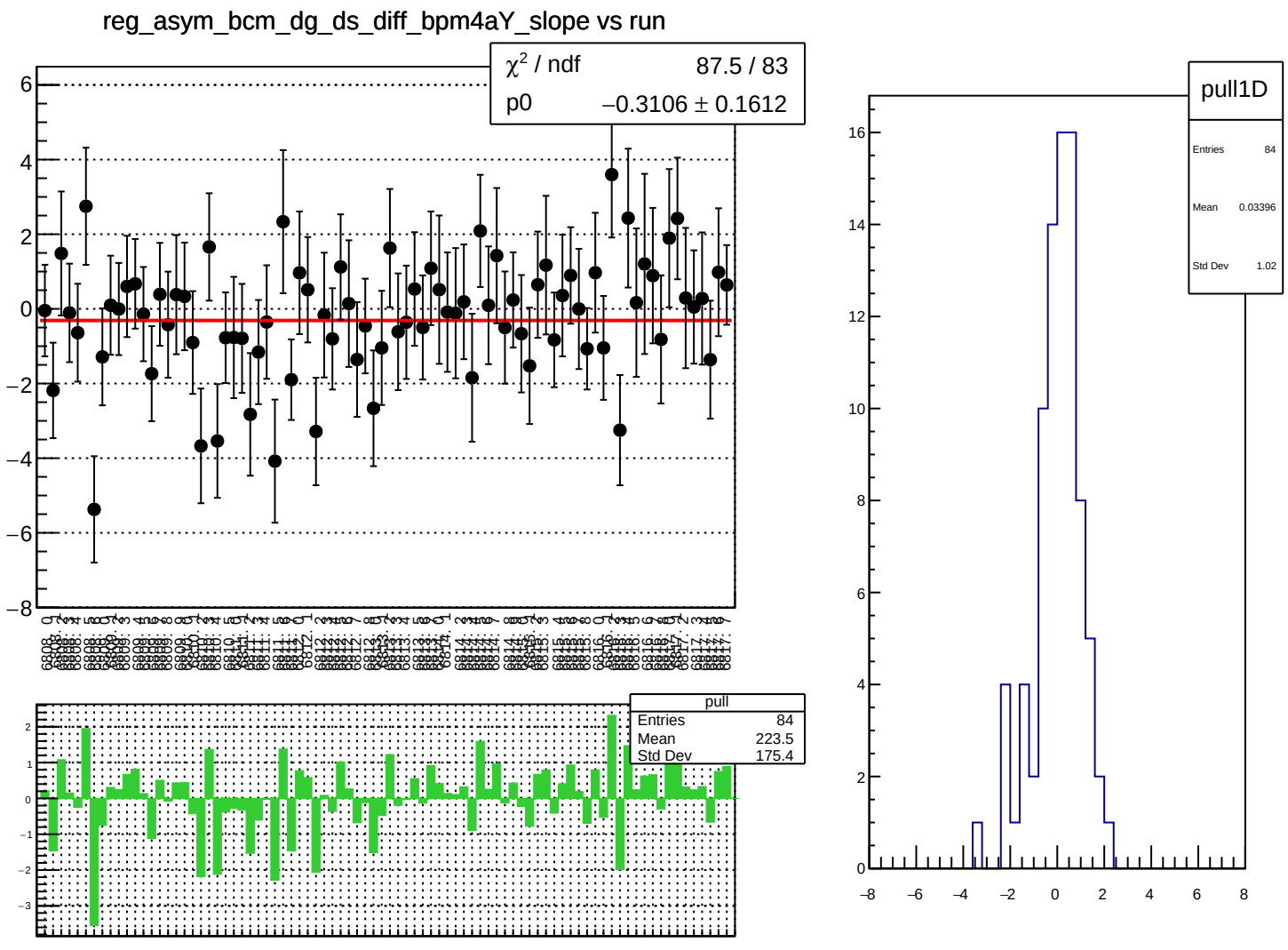

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 91.71 / 83
p0 0.709 ± 0.1927
pull
Entries 84
Mean 242.5
Std Dev 193.6
pull1D
Entries 84
Mean −0.02664
Std Dev 1.045

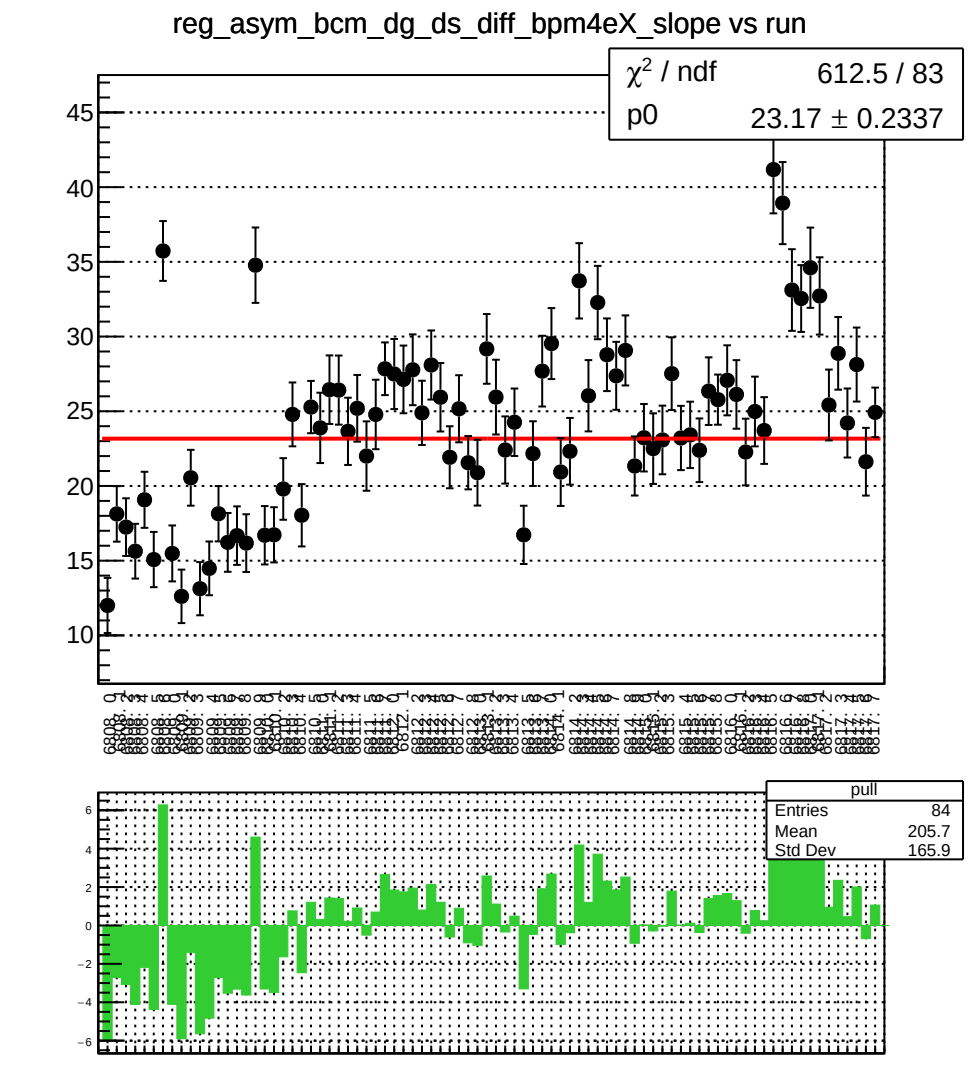

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 85.21 / 83
p0 0.1825 ± 0.01005
pull
Entries 84
Mean 202.1
Std Dev 163

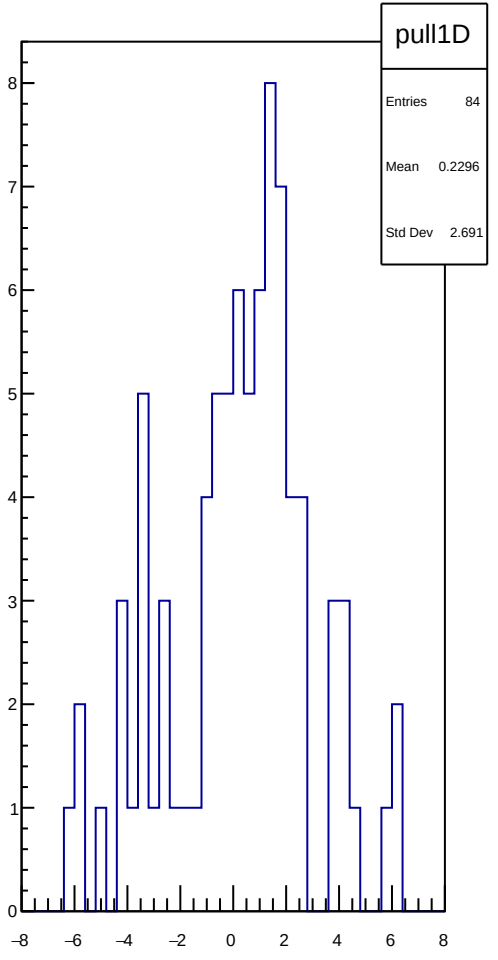

pull1D
Entries 84
Mean 0.0647
Std Dev 1.005

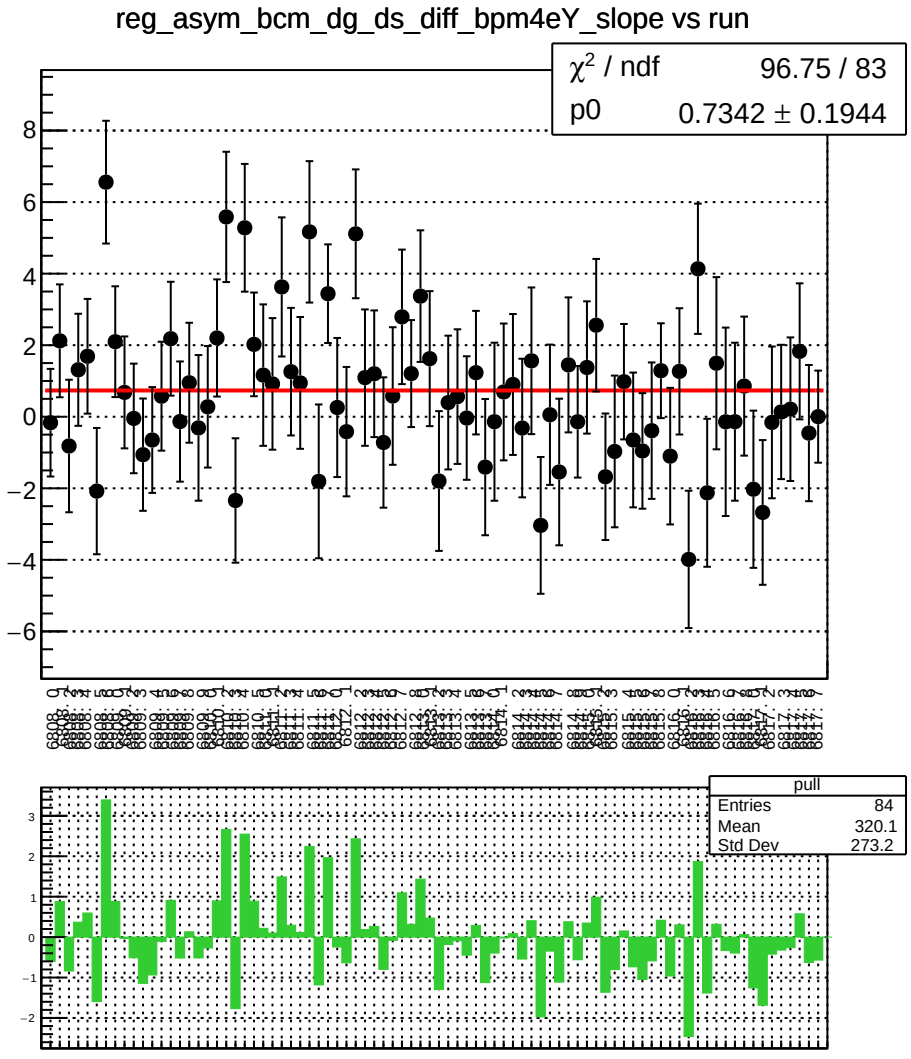

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 608.1 / 83
p0 −25.1 ± 0.2499
pull
Entries 84
Mean 203.1
Std Dev 163.5

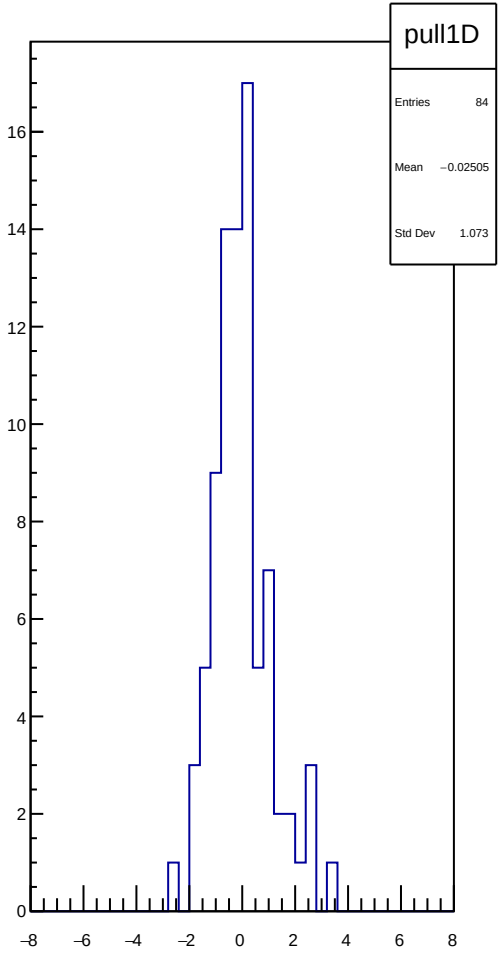

pull1D
Entries 84
Mean −0.229
Std Dev 2.681

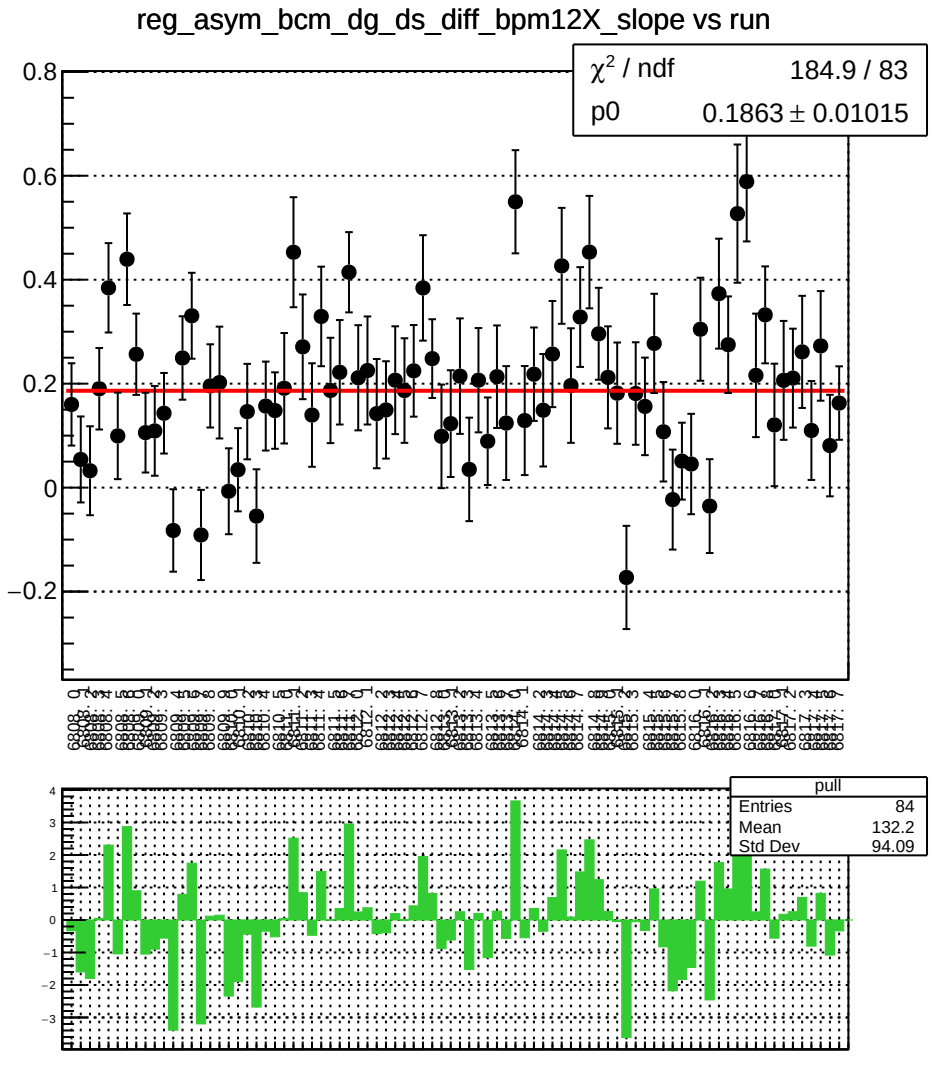

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 87.5 / 83
p0 −0.3106 ± 0.1612
pull
Entries 84
Mean 223.5
Std Dev 175.4
pull1D
Entries 84
Mean 0.03396
Std Dev 1.02

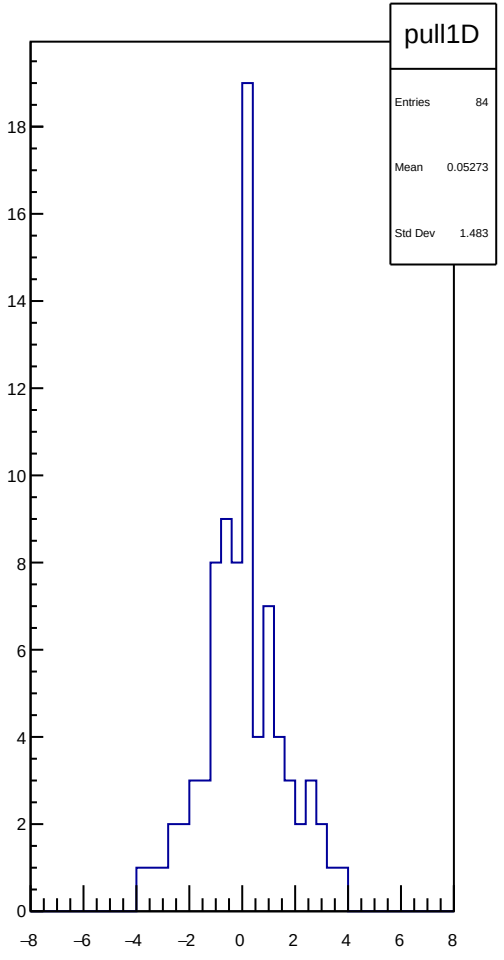

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 612.5 / 83
p0 23.17 ± 0.2337
pull
Entries 84
Mean 205.7
Std Dev 165.9

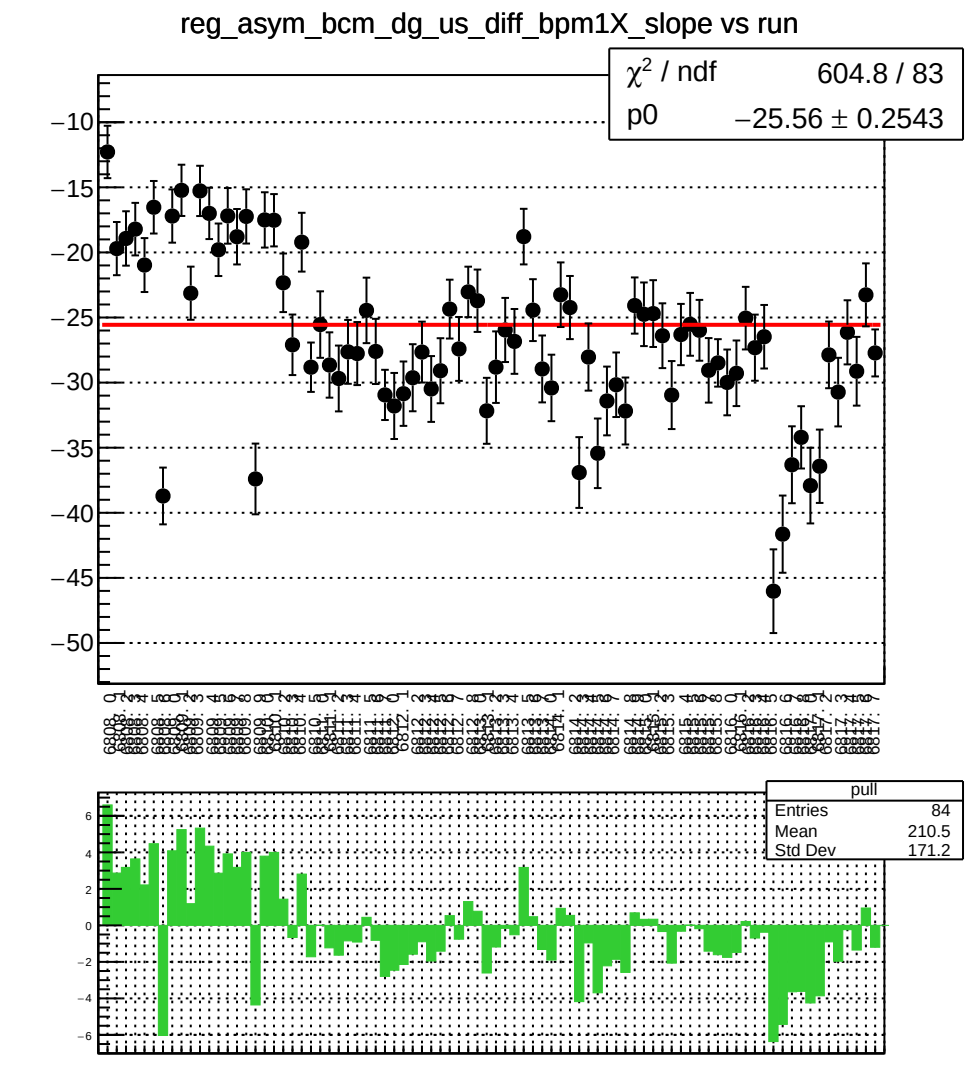

pull1D
Entries 84
Mean 0.2296
Std Dev 2.691

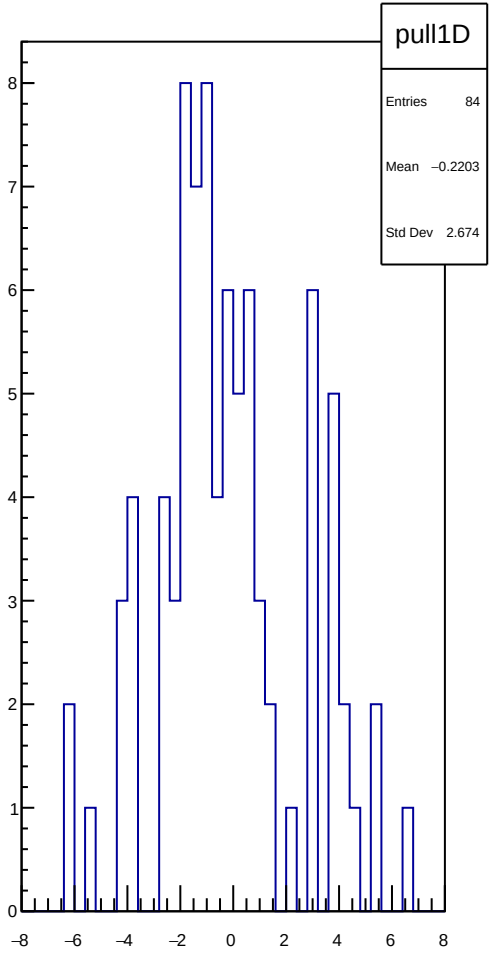

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 96.75 / 83
p0 0.7342 ± 0.1944
pull
Entries 84
Mean 320.1
Std Dev 273.2

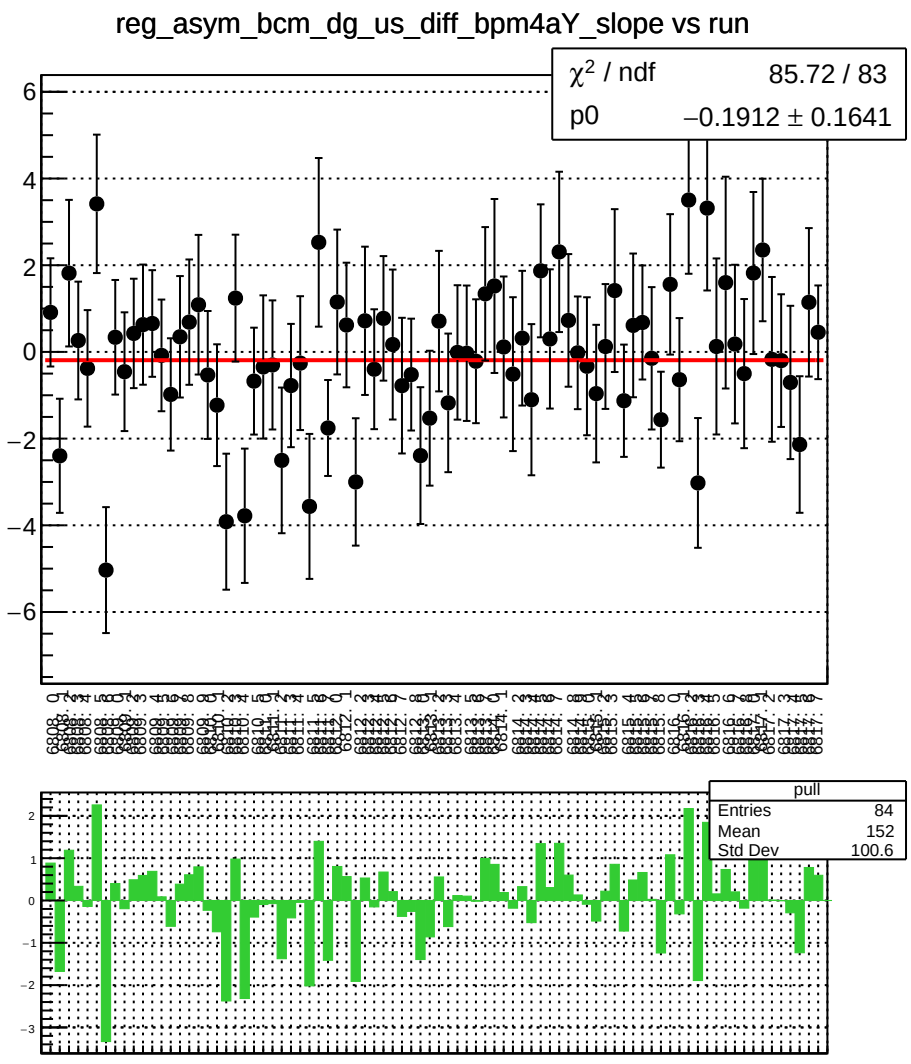

pull1D
Entries 84
Mean −0.02505
Std Dev 1.073

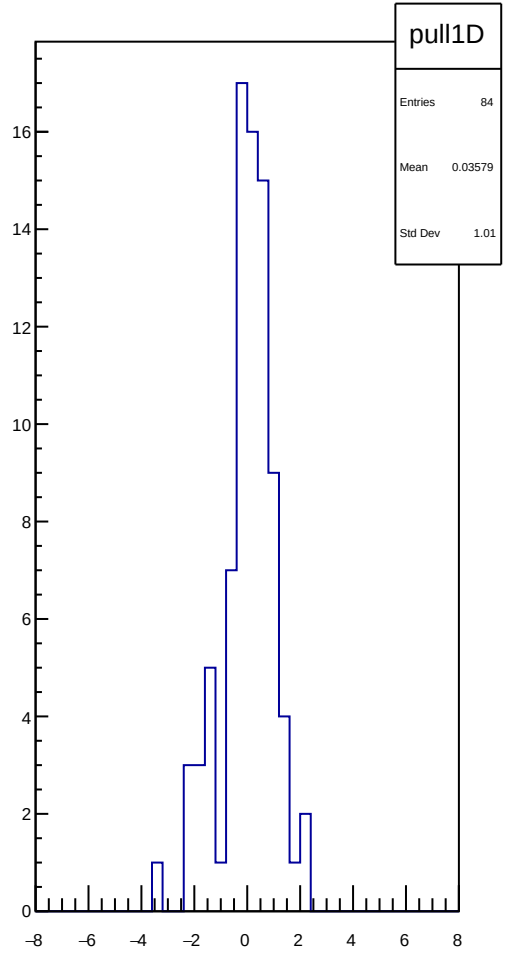

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 184.9 / 83
p0 0.1863 ± 0.01015
pull
Entries 84
Mean 132.2
Std Dev 94.09

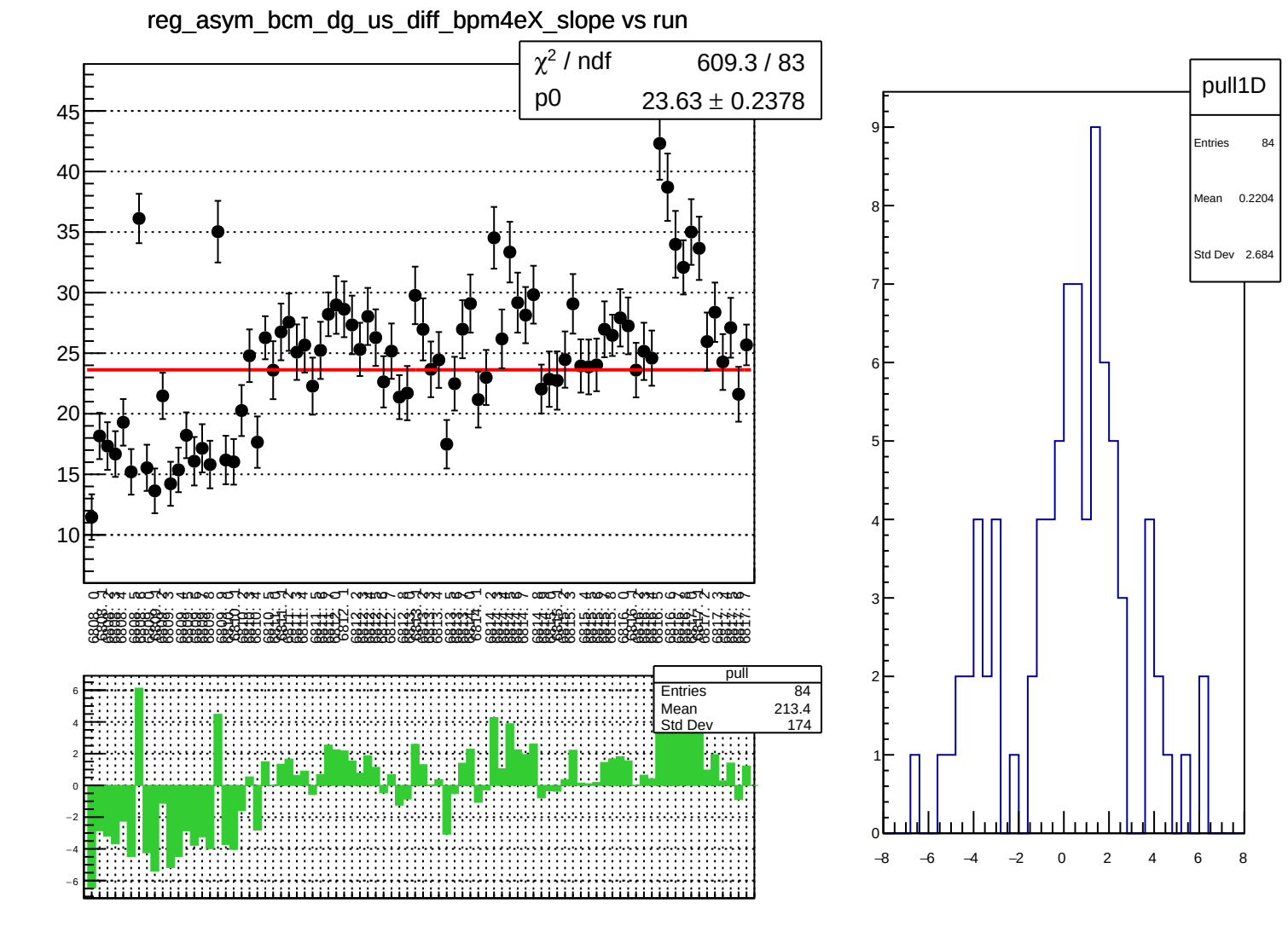

pull1D
Entries 84
Mean 0.05273
Std Dev 1.483

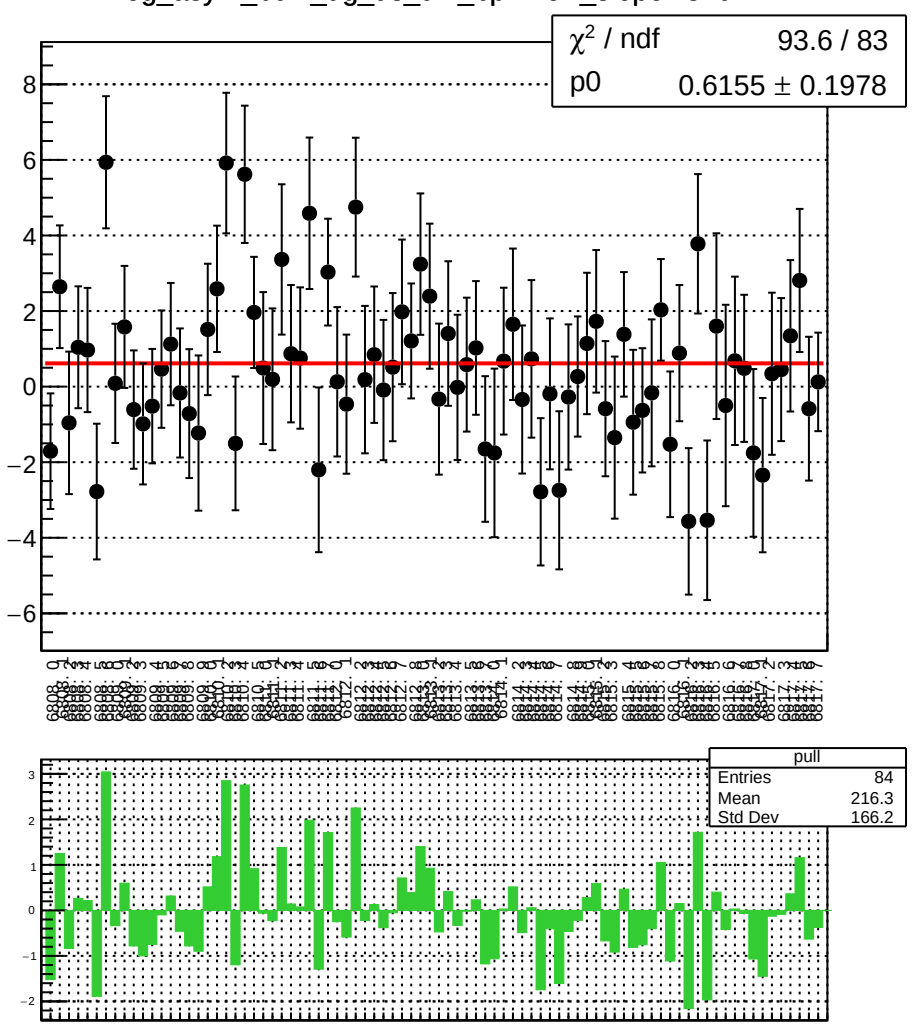

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 604.8 / 83
p0 −25.56 ± 0.2543
pull
Entries 84
Mean 210.5
Std Dev 171.2

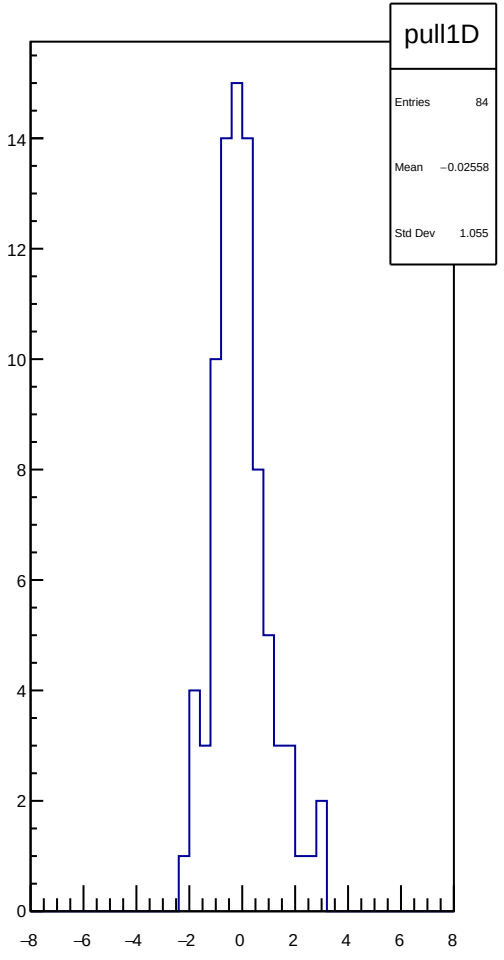

pull1D
Entries 84
Mean −0.2203
Std Dev 2.674

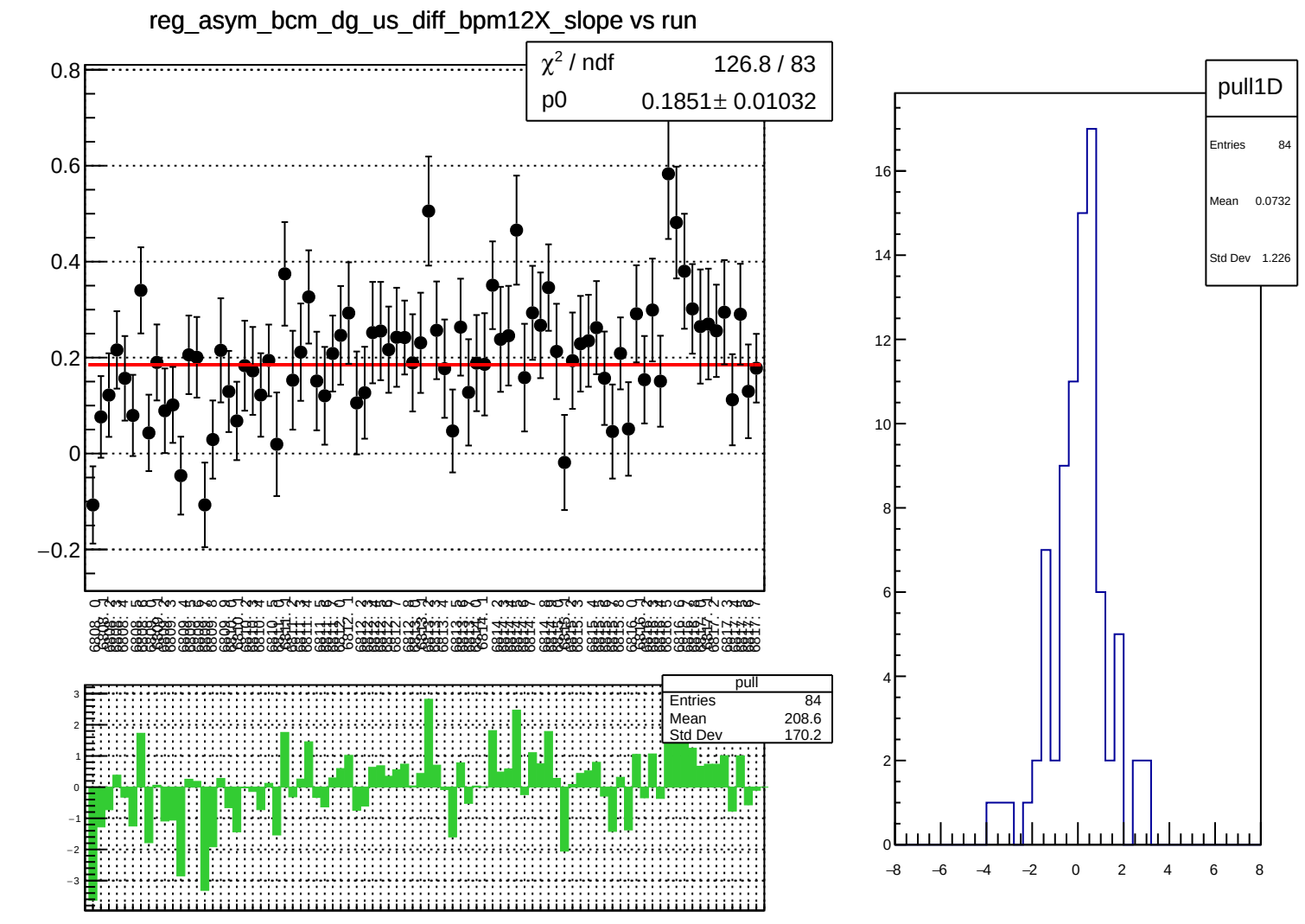

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 85.72 / 83
p0 −0.1912 ± 0.1641
pull
Entries 84
Mean 152
Std Dev 100.6


pull1D
Entries 84
Mean 0.03579
Std Dev 1.01


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 609.3 / 83
p0 23.63 ± 0.2378
pull
Entries 84
Mean 213.4
Std Dev 174
pull1D
Entries 84
Mean 0.2204
Std Dev 2.684


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 93.6 / 83
p0 0.6155 ± 0.1978
pull
Entries 84
Mean 216.3
Std Dev 166.2


pull1D
Entries 84
Mean −0.02558
Std Dev 1.055


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 126.8 / 83
p0 0.1851± 0.01032
pull
Entries 84
Mean 208.6
Std Dev 170.2
pull1D
Entries 84
Mean 0.0732
Std Dev 1.226