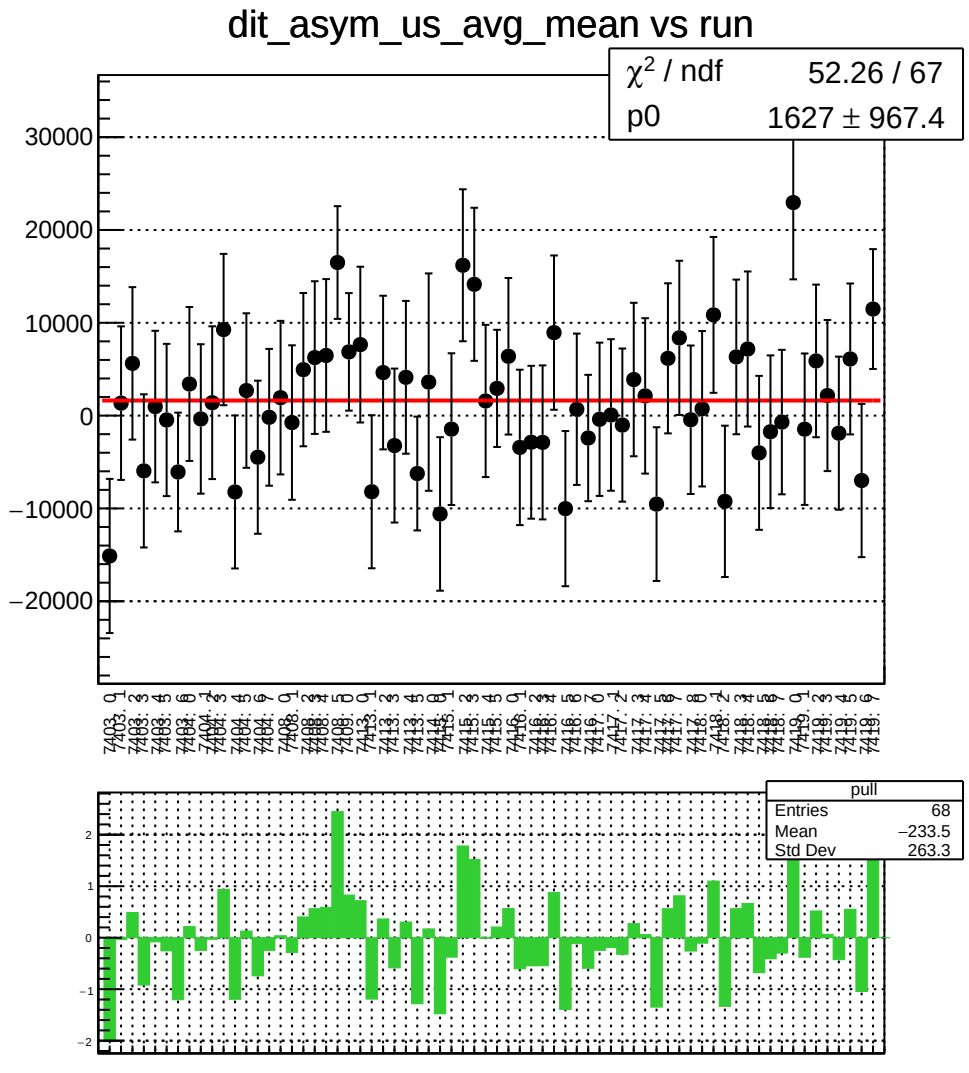
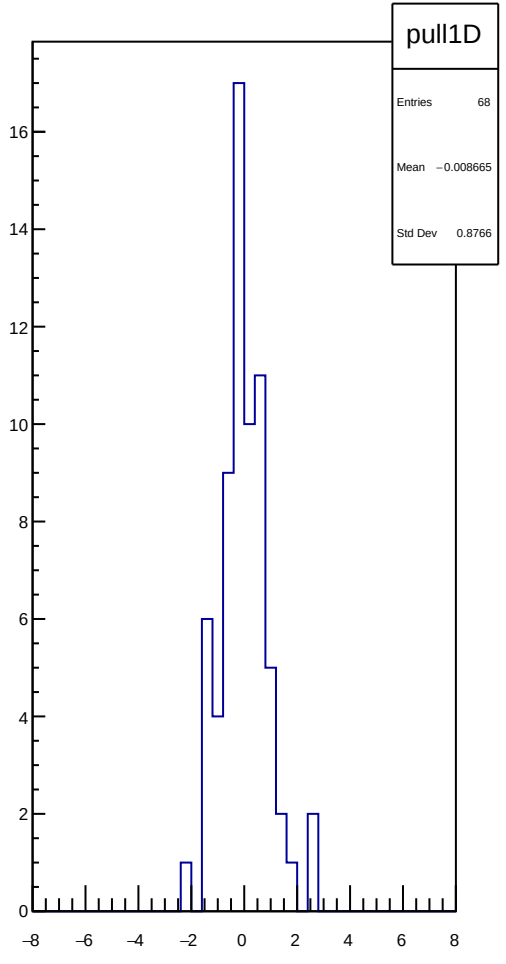
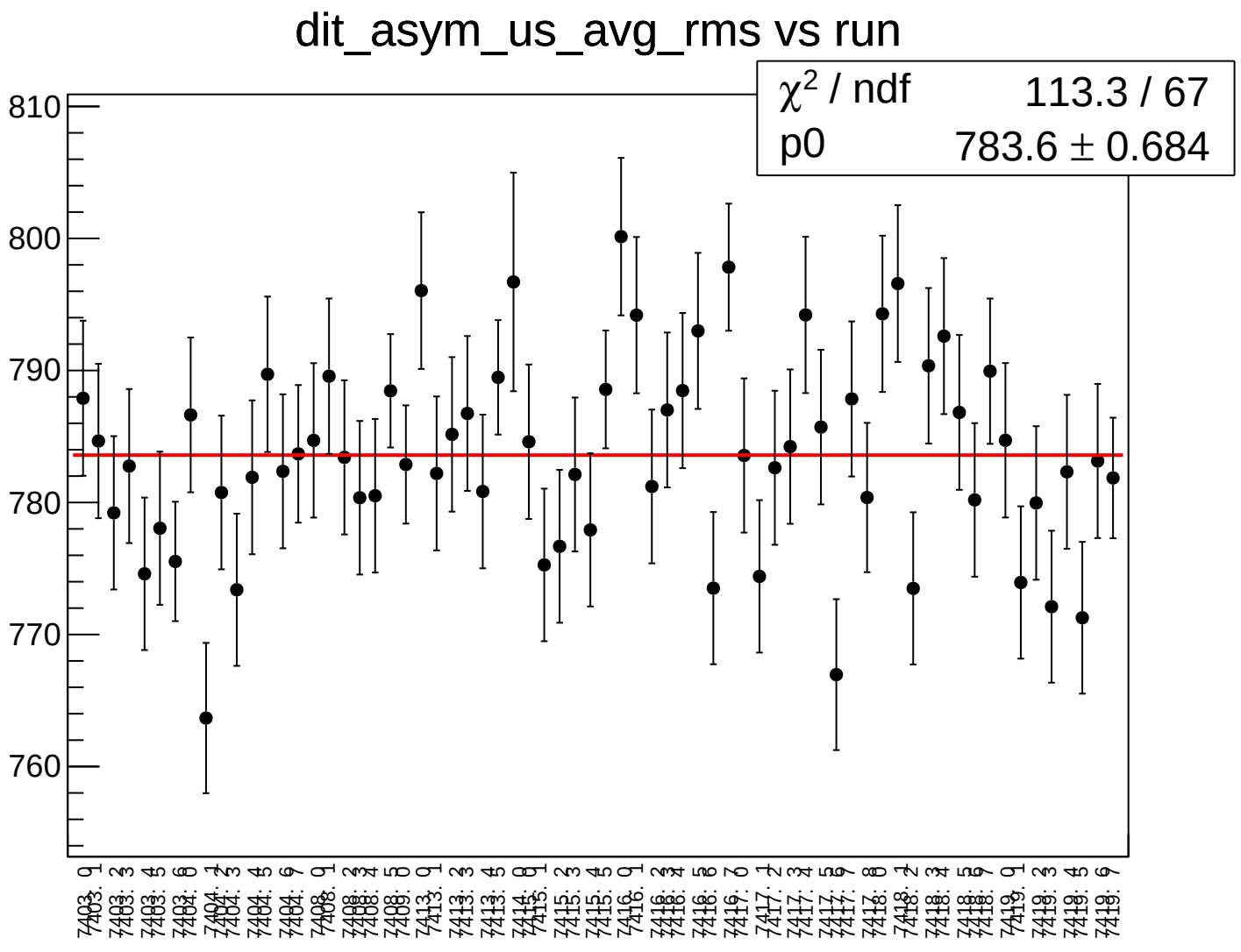
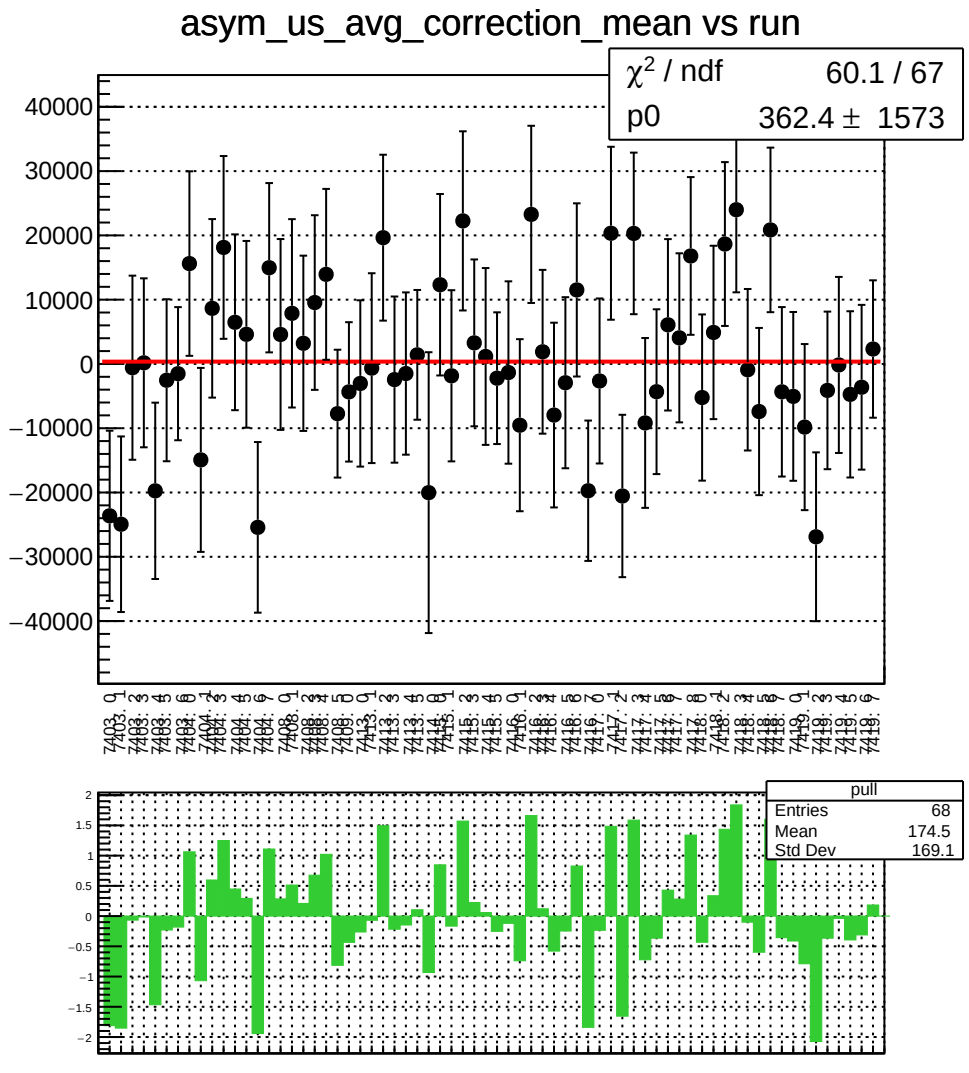
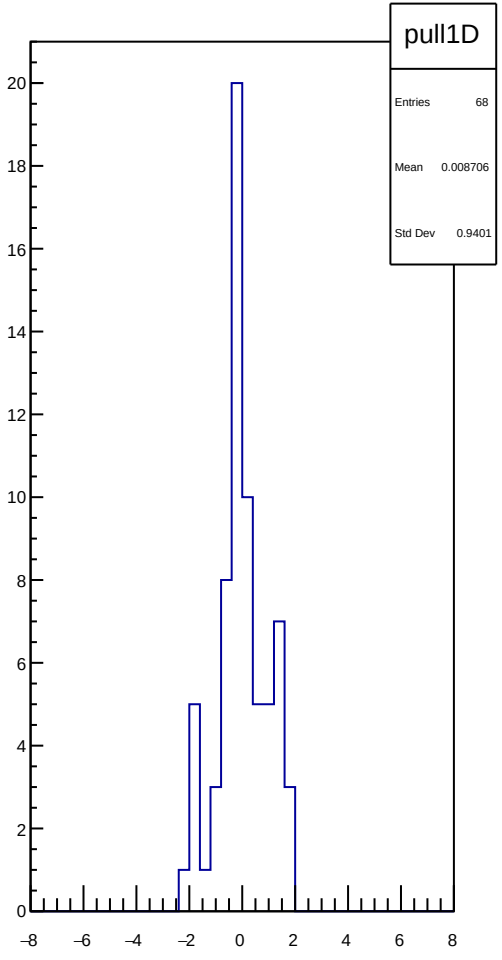
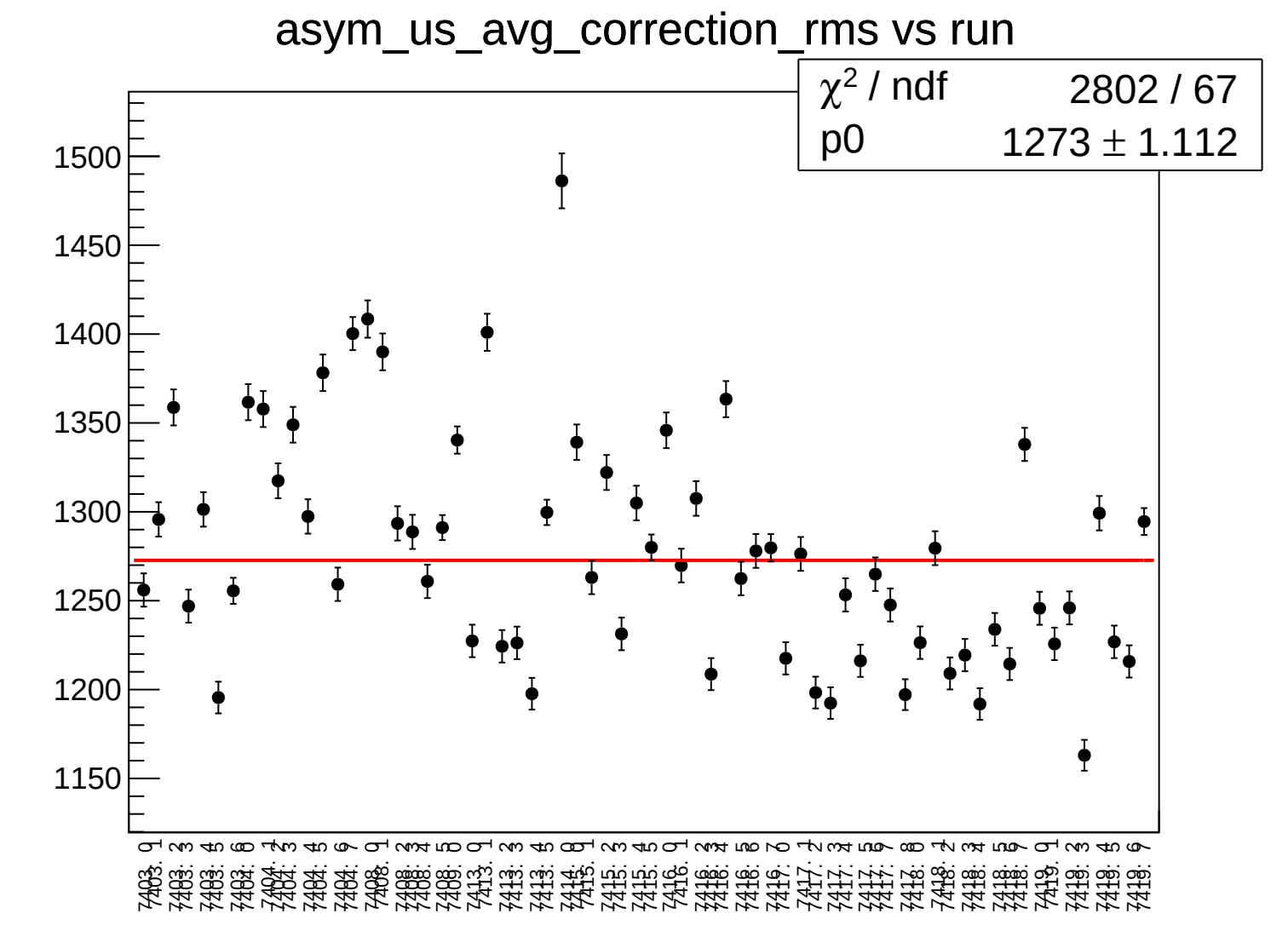

dit_asym_us_avg_mean vs run
χ² / ndf 52.26 / 67
p0 1627 ± 967.4
30000
20000
10000
0
−10000
−20000
pull
Entries 68
Mean −233.5
Std Dev 263.3
2
1
0
−1
−2

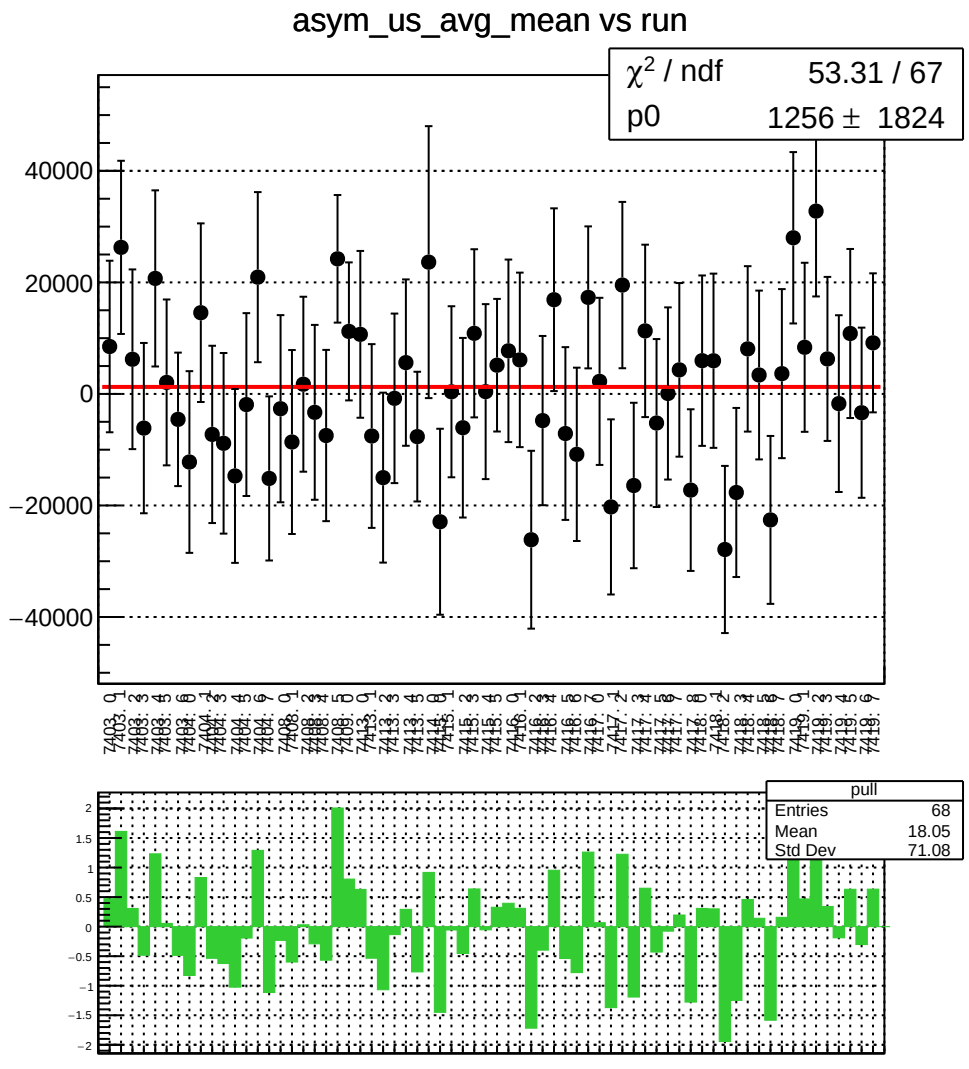

pull1D
Entries 68
Mean −0.008665
Std Dev 0.8766
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

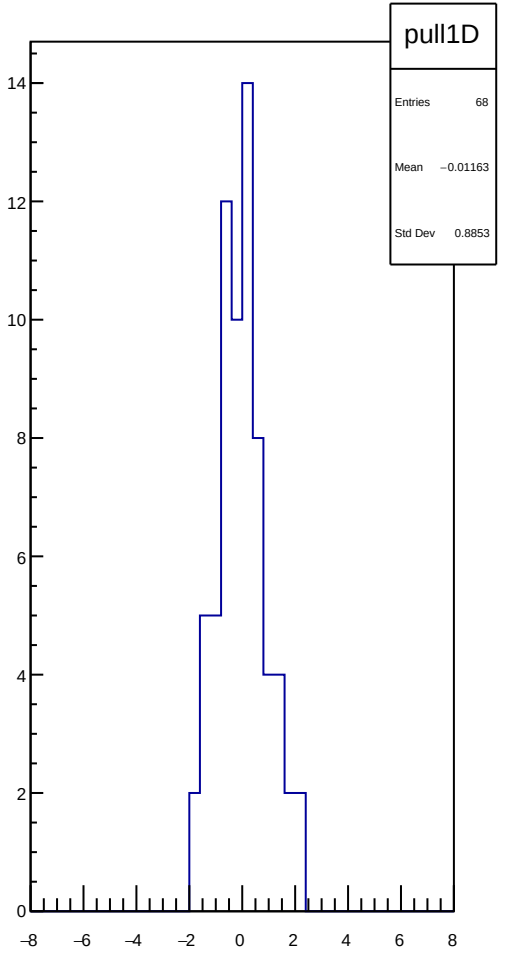

dit_asym_us_avg_rms vs run
χ^2 / ndf 113.3 / 67
p0 783.6 ± 0.684
810
800
790
780
770
760

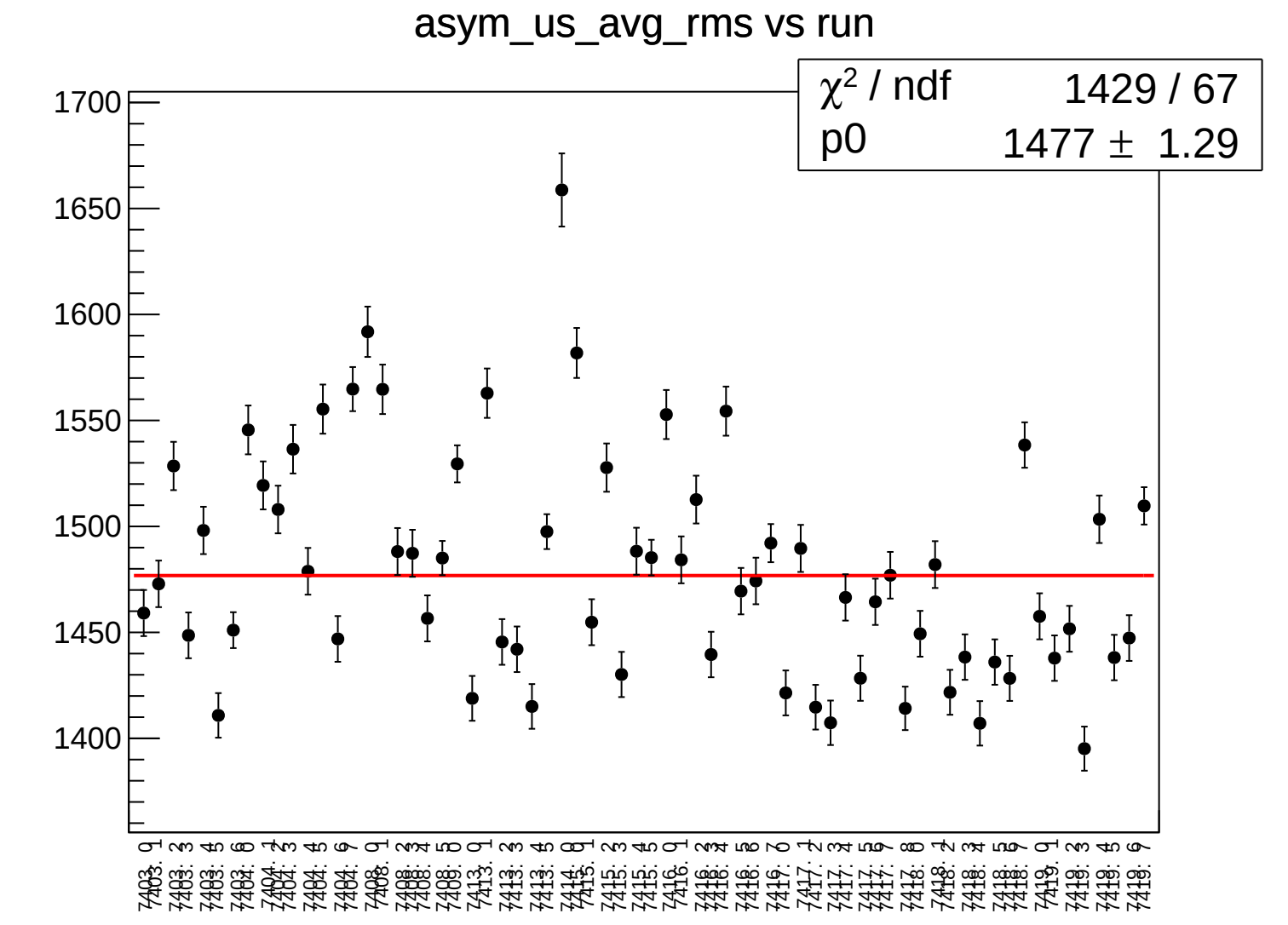

asym_us_avg_correction_mean vs run
χ² / ndf 60.1 / 67
p0 362.4 ± 1573
pull
Entries 68
Mean 174.5
Std Dev 169.1

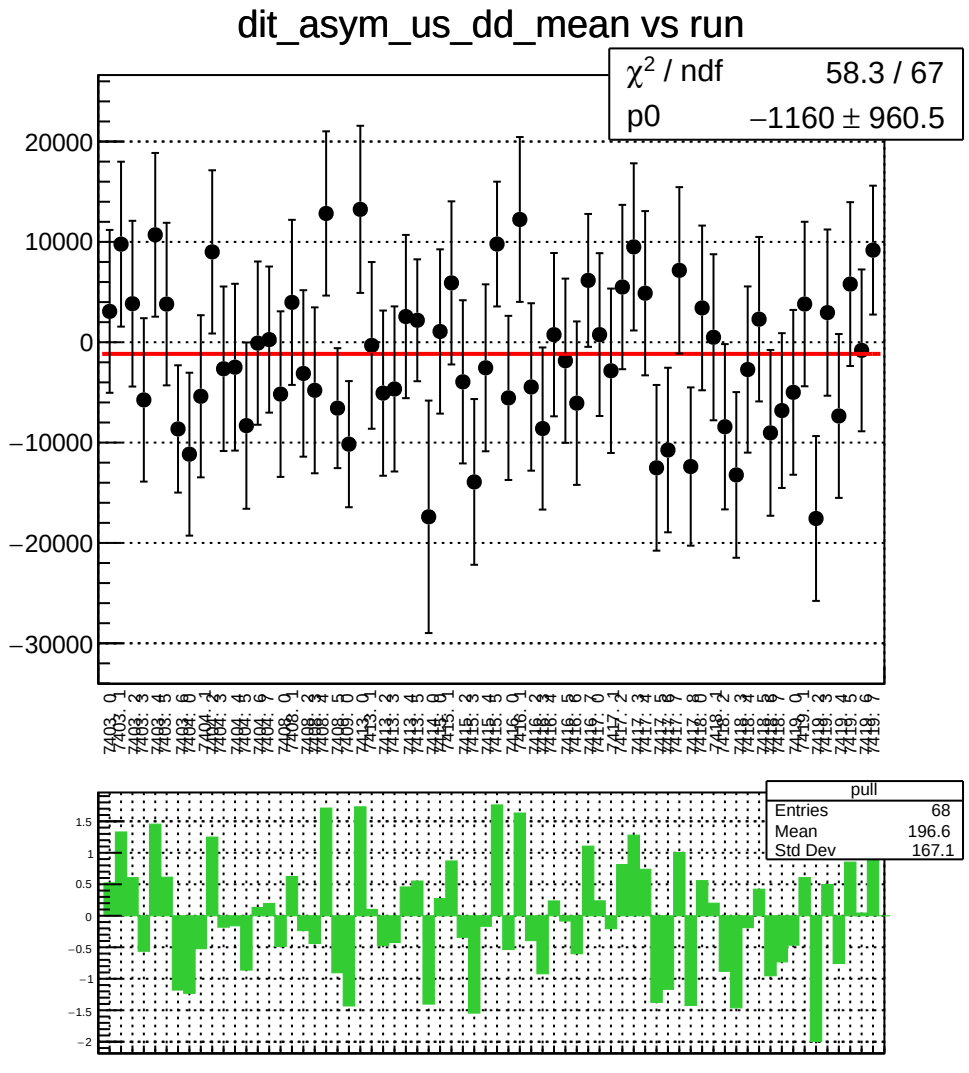

pull1D
Entries 68
Mean 0.008706
Std Dev 0.9401

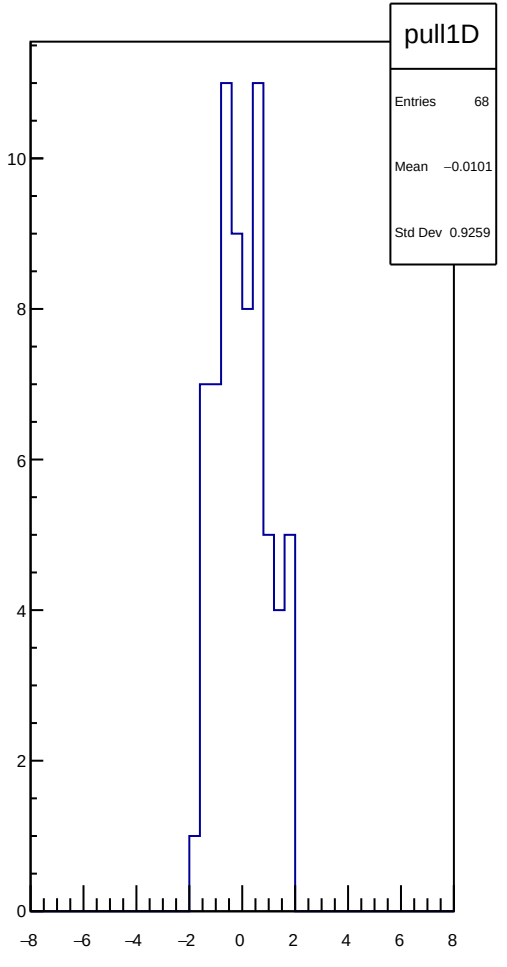

asym_us_avg_correction_rms vs run
χ² / ndf 2802 / 67
p0 1273 ± 1.112
1500
1450
1400
1350
1300
1250
1200
1150

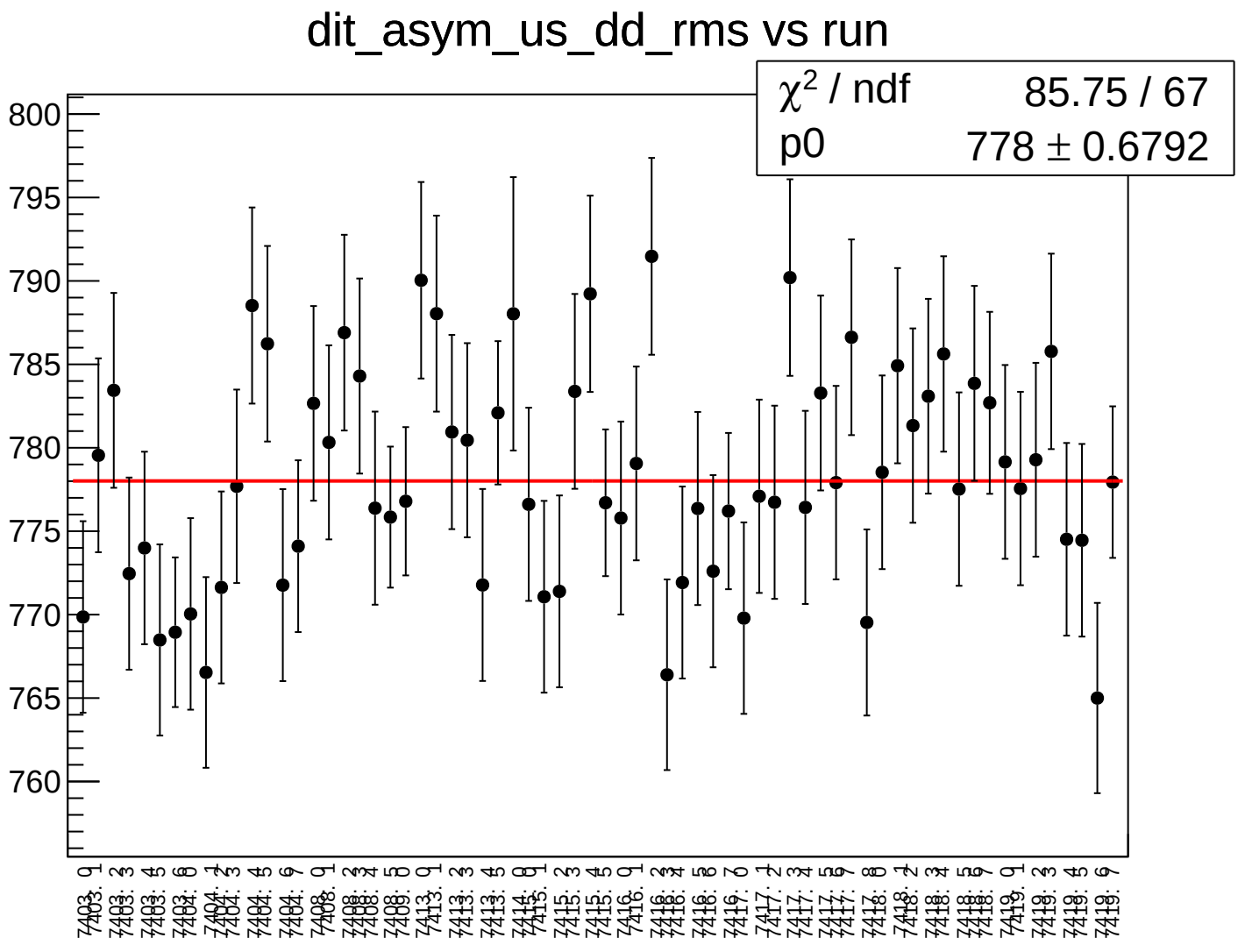

asym_us_avg_mean vs run
χ² / ndf 53.31 / 67
p0 1256 ± 1824
40000
20000
0
−20000
−40000
pull
Entries 68
Mean 18.05
Std Dev 71.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

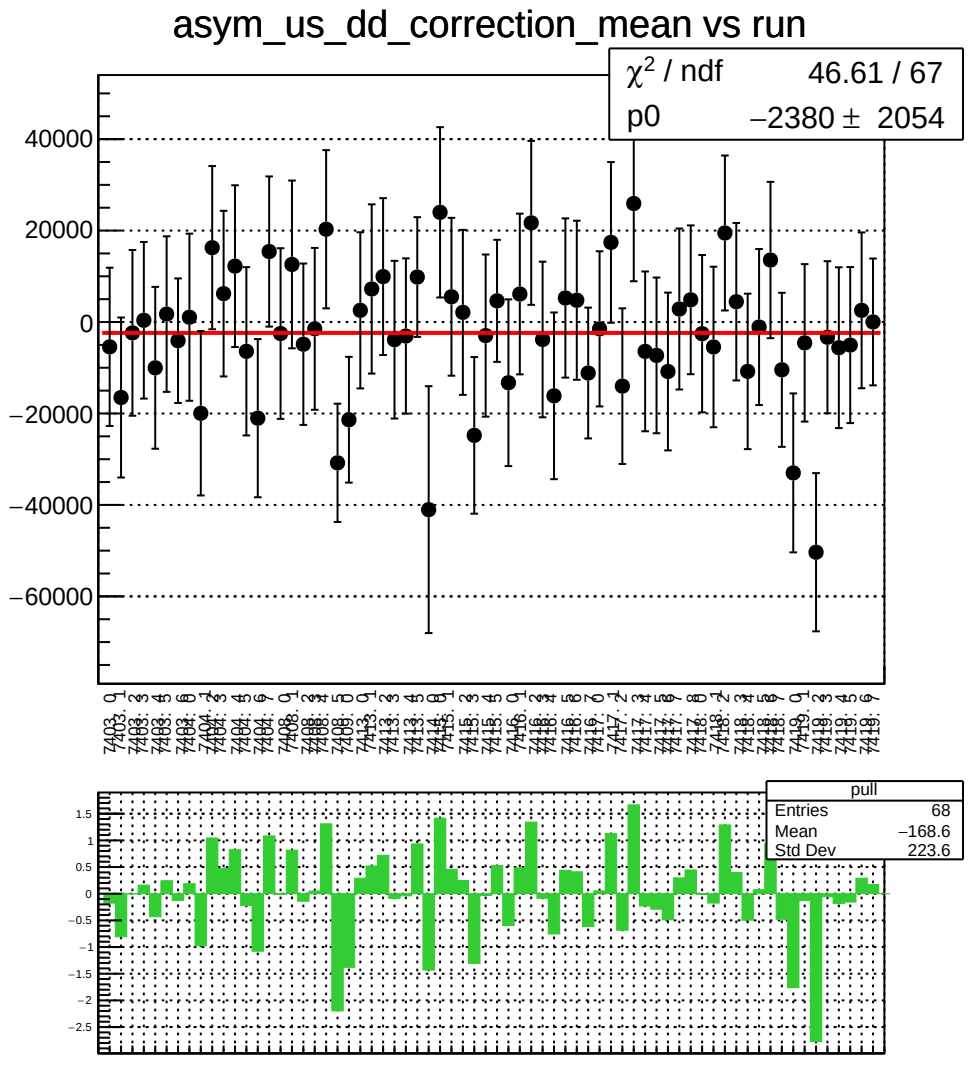

pull1D
Entries 68
Mean −0.01163
Std Dev 0.8853
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

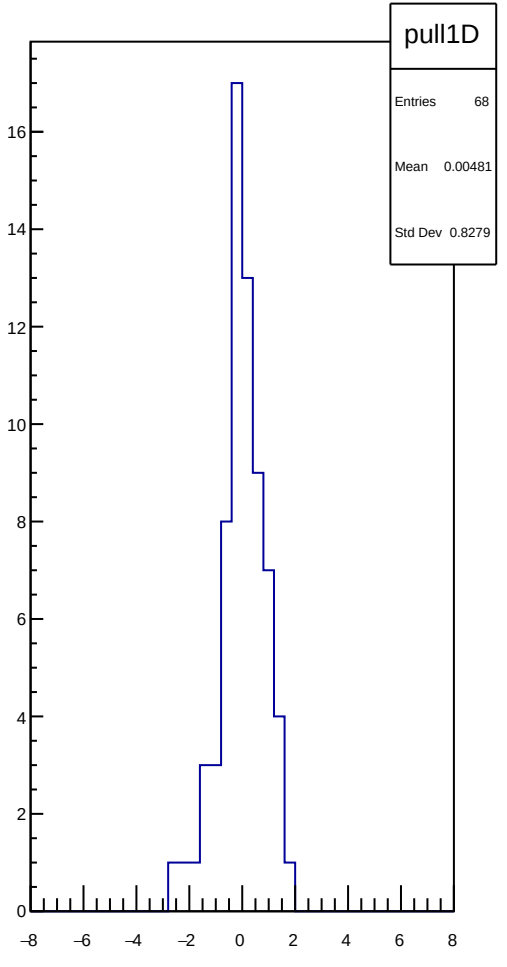

asym_us_avg_rms vs run
χ² / ndf 1429 / 67
p0 1477 ± 1.29
1700
1650
1600
1550
1500
1450
1400

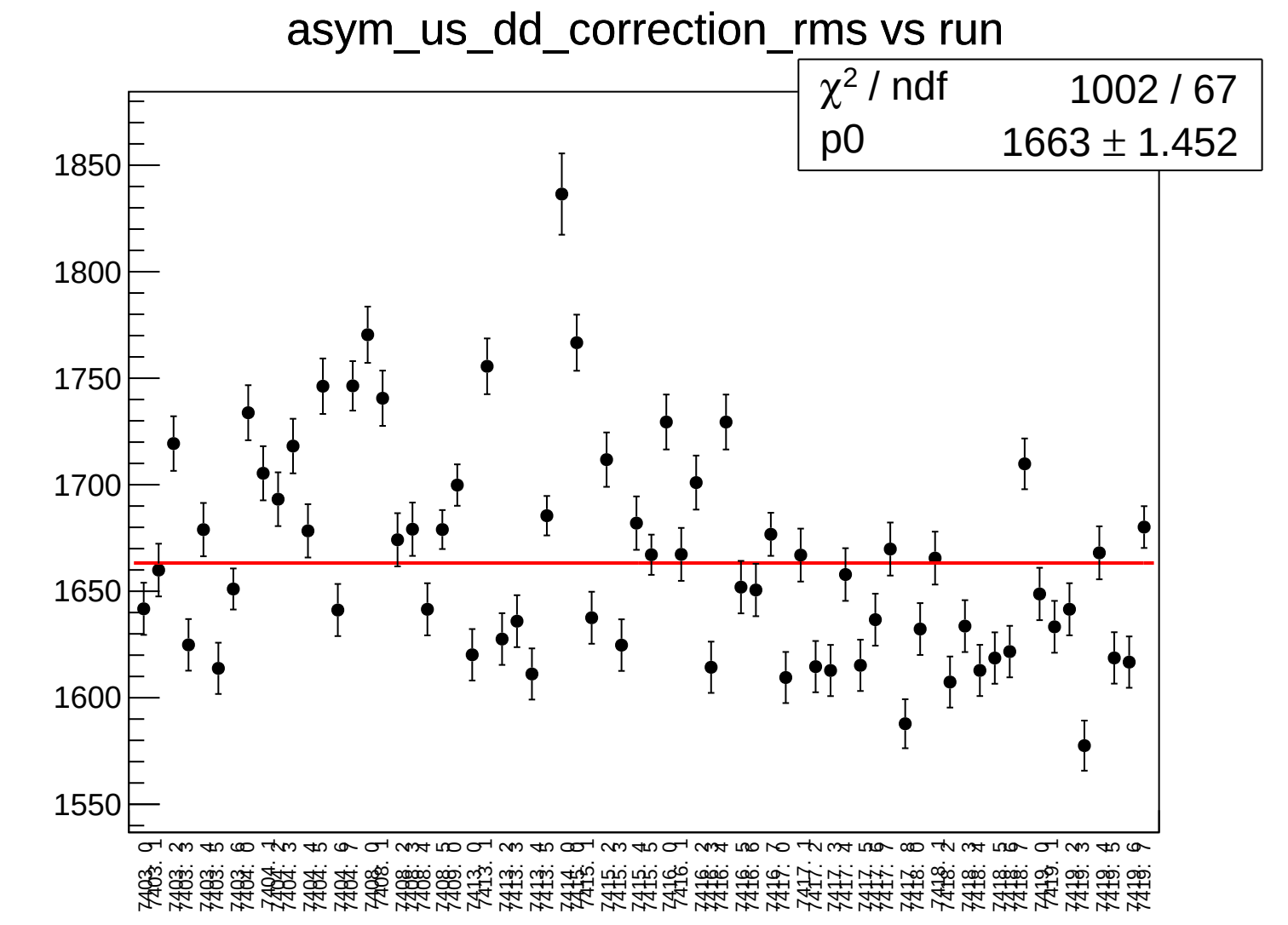

dit_asym_us_dd_mean vs run
χ² / ndf 58.3 / 67
p0 −1160 ± 960.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 196.6
Std Dev 167.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

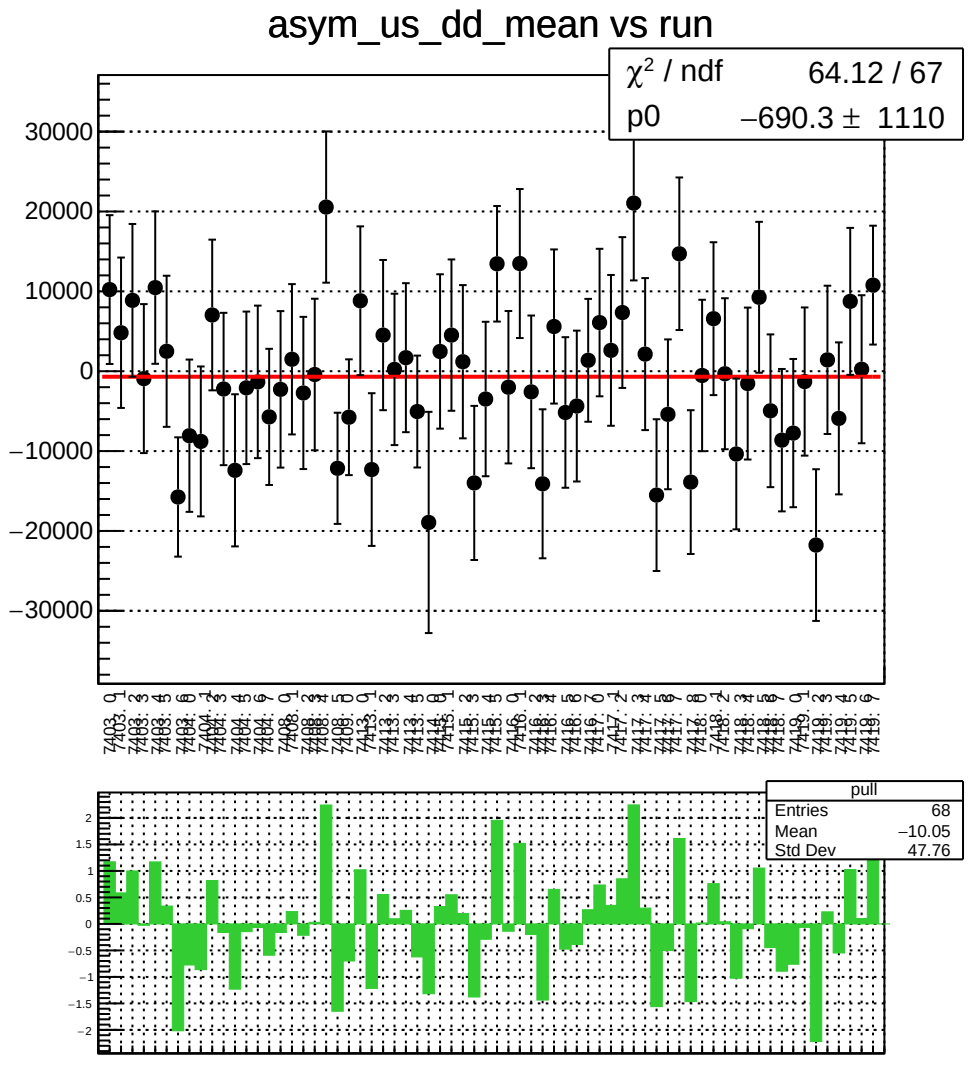

pull1D
Entries 68
Mean −0.0101
Std Dev 0.9259
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

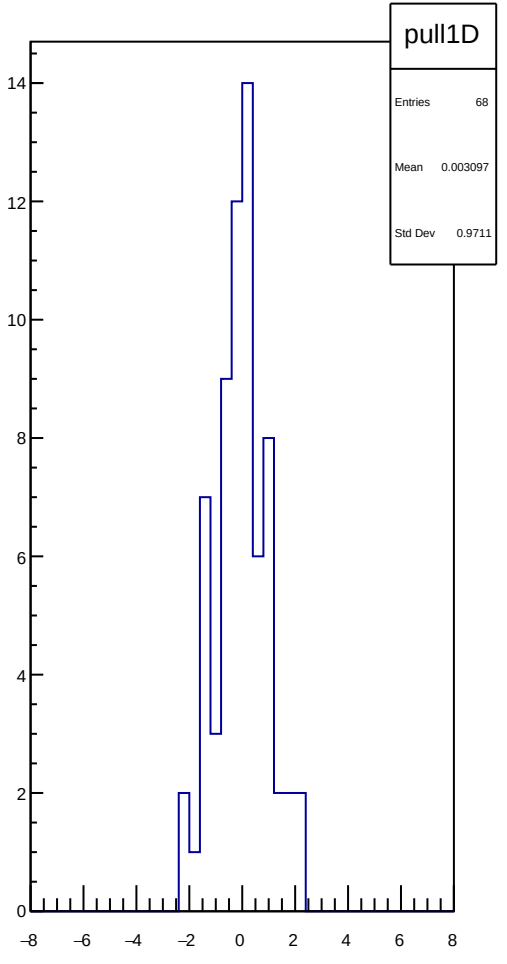

dit_asym_us_dd_rms vs run
χ^2 / ndf 85.75 / 67
p0 778 ± 0.6792
800
795
790
785
780
775
770
765
760

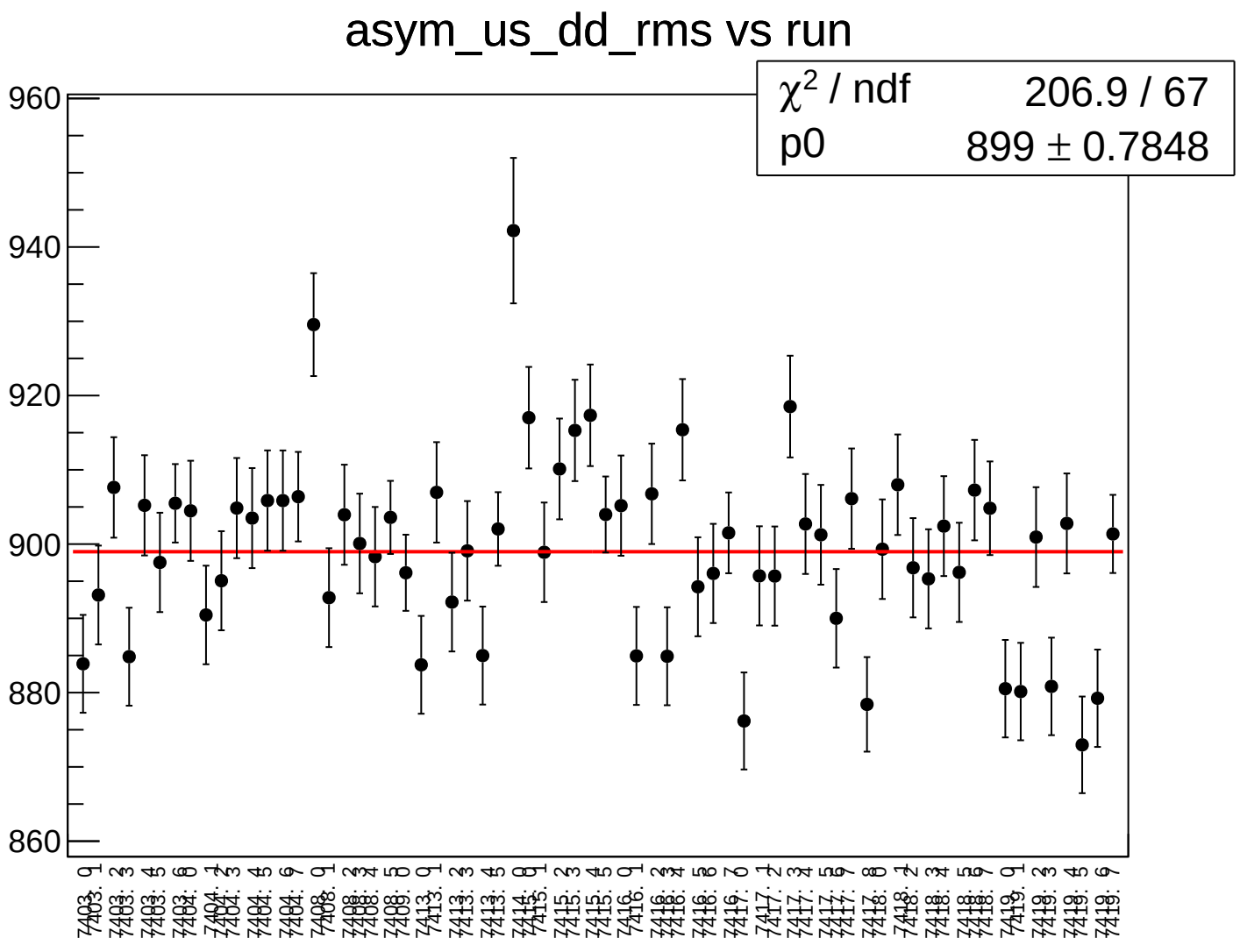

asym_us_dd_correction_mean vs run
χ² / ndf 46.61 / 67
p0 −2380 ± 2054
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean −168.6
Std Dev 223.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

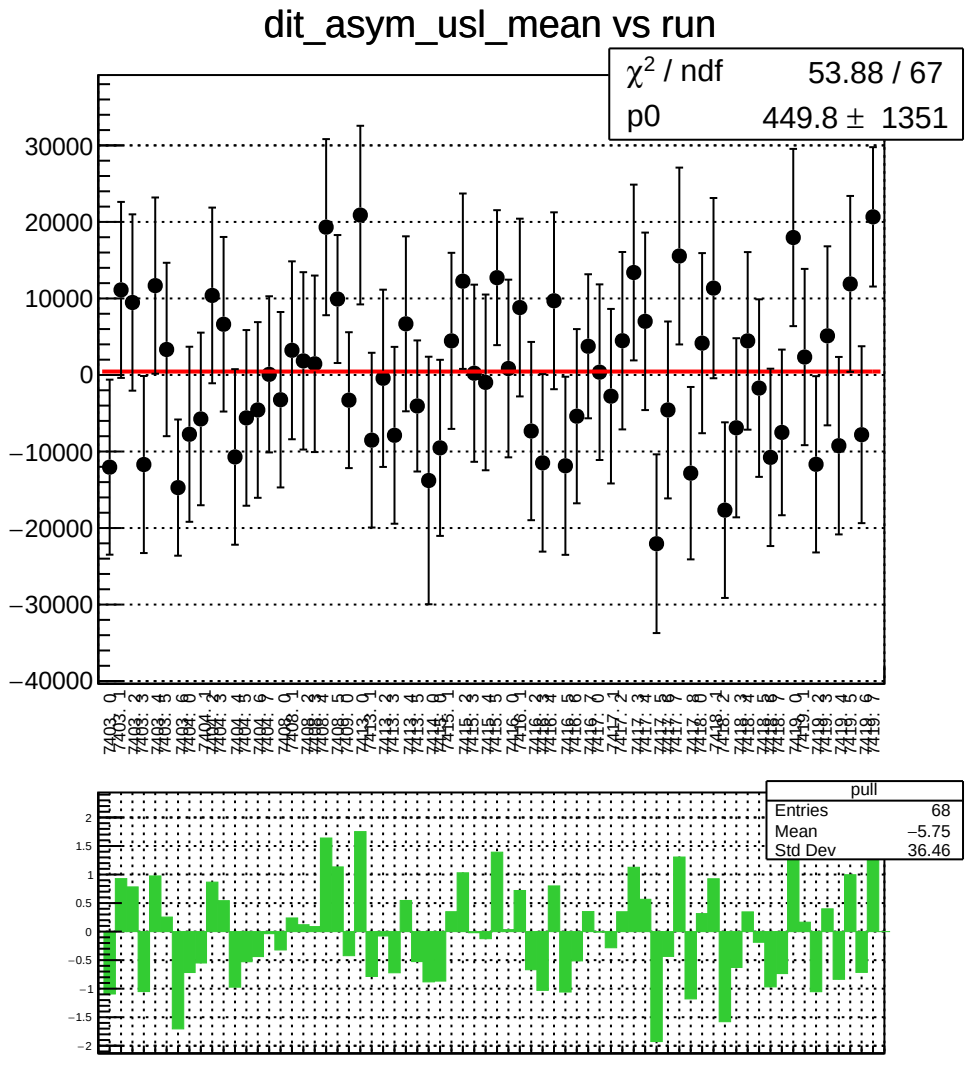

pull1D
Entries 68
Mean 0.00481
Std Dev 0.8279
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

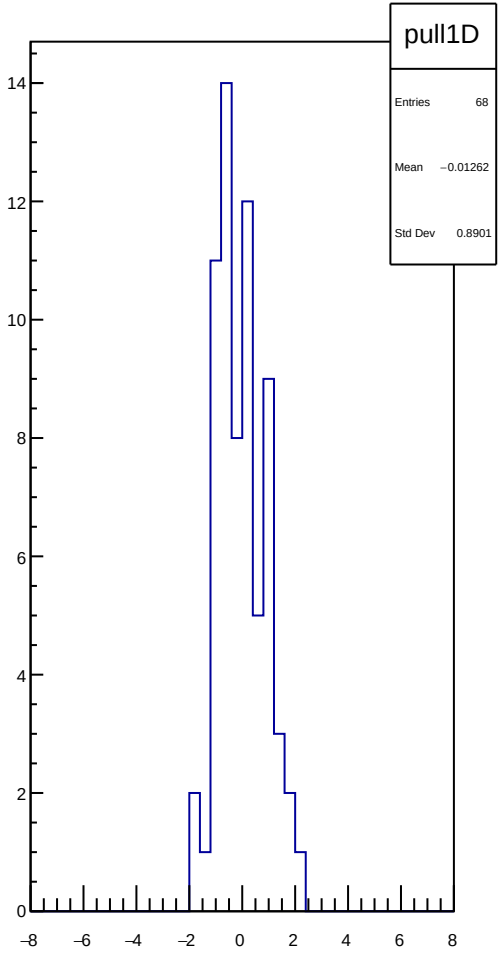

asym_us_dd_correction_rms vs run
χ² / ndf 1002 / 67
p0 1663 ± 1.452
1850
1800
1750
1700
1650
1600
1550

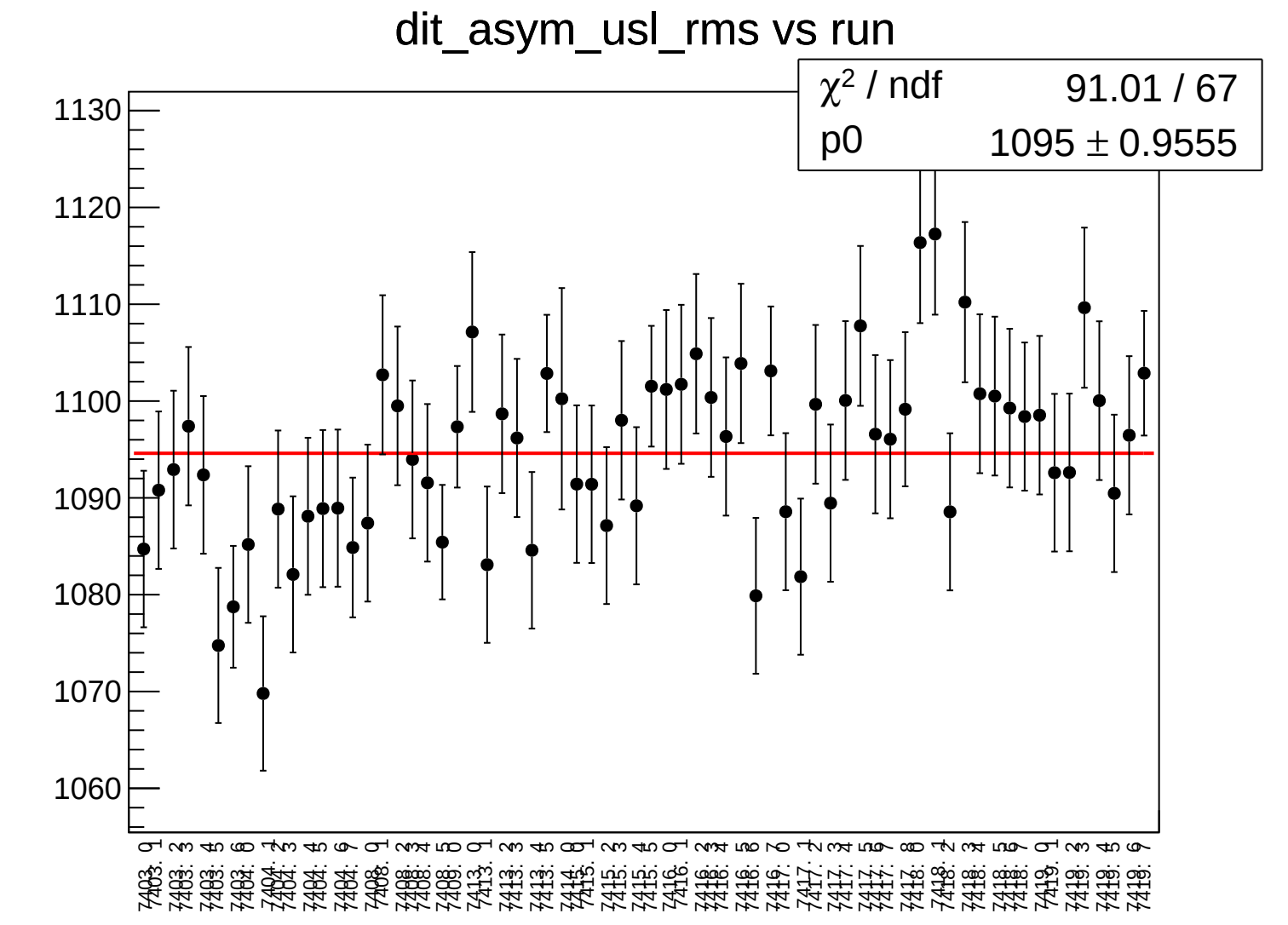

asym_us_dd_mean vs run
χ² / ndf 64.12 / 67
p0 −690.3 ± 1110
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean −10.05
Std Dev 47.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

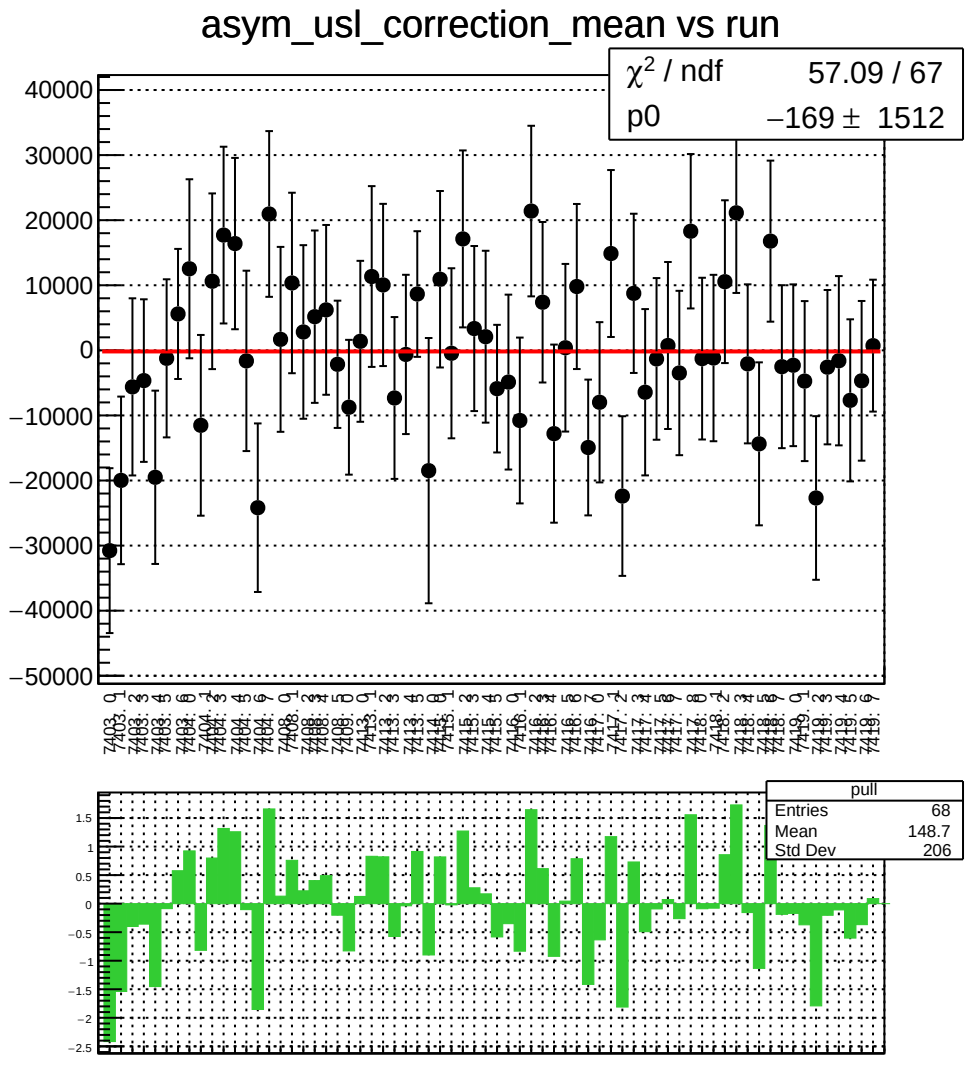

pull1D
Entries 68
Mean 0.003097
Std Dev 0.9711
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

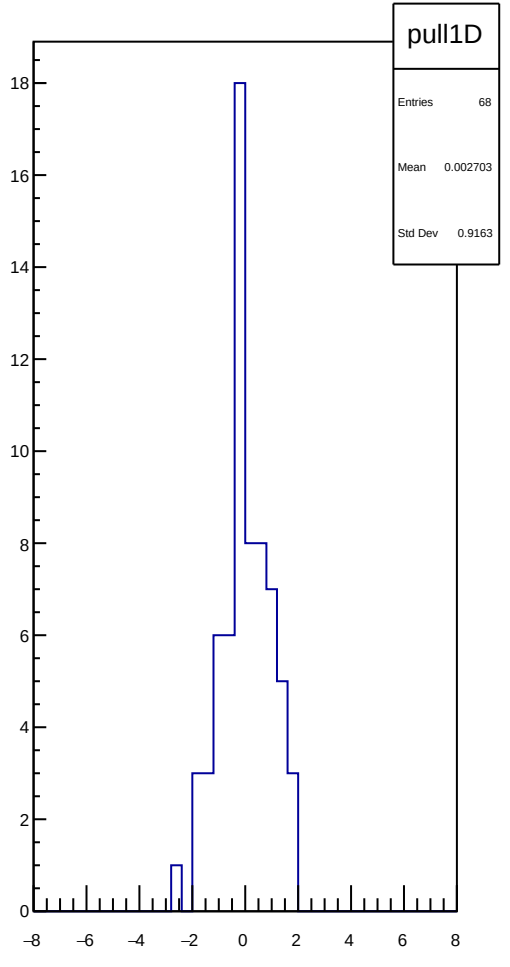

asym_us_dd_rms vs run
χ^2 / ndf 206.9 / 67
p0 899 ± 0.7848
960
940
920
900
880
860

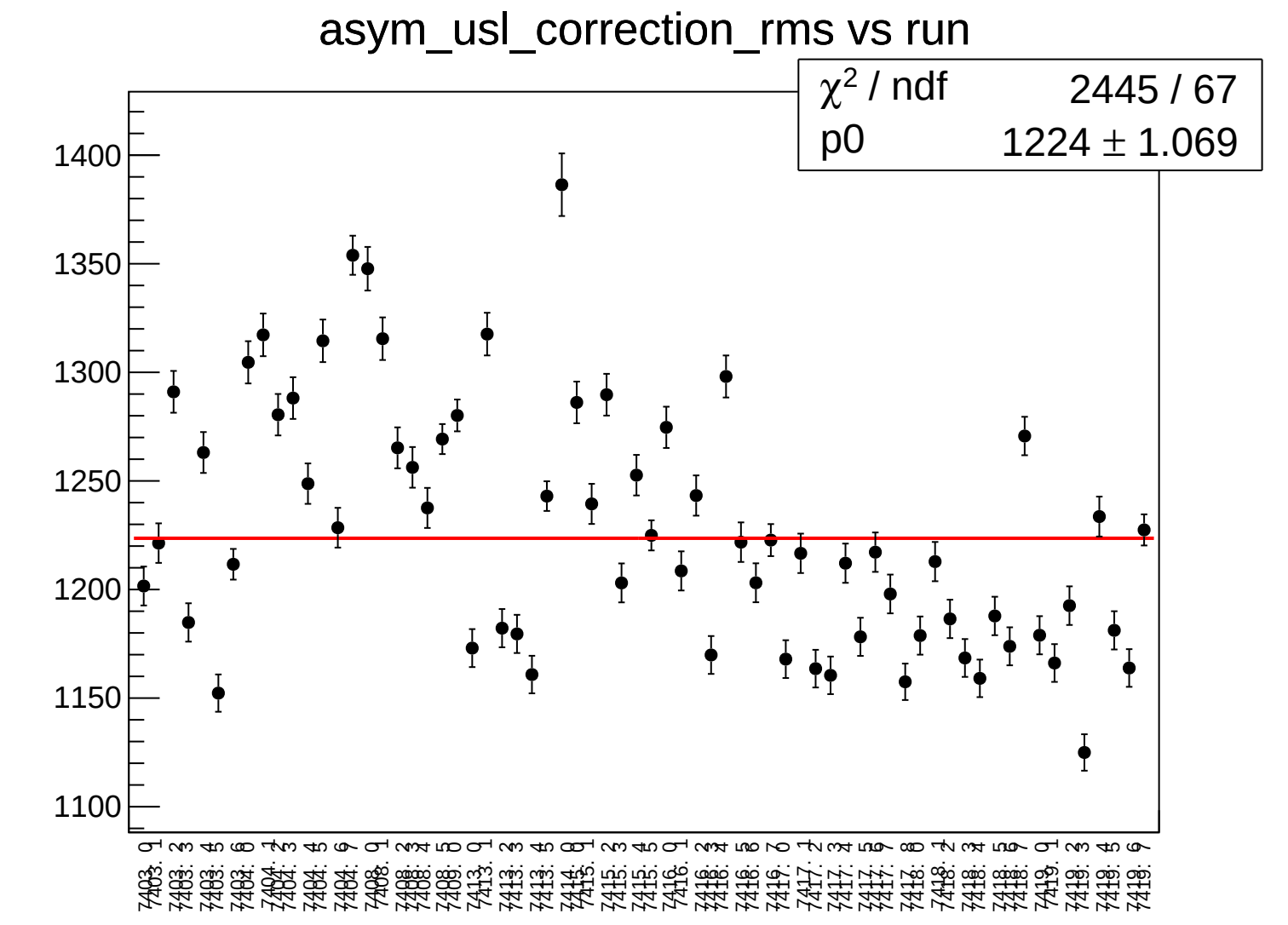

dit_asym_usl_mean vs run
χ² / ndf 53.88 / 67
p0 449.8 ± 1351
pull
Entries 68
Mean −5.75
Std Dev 36.46

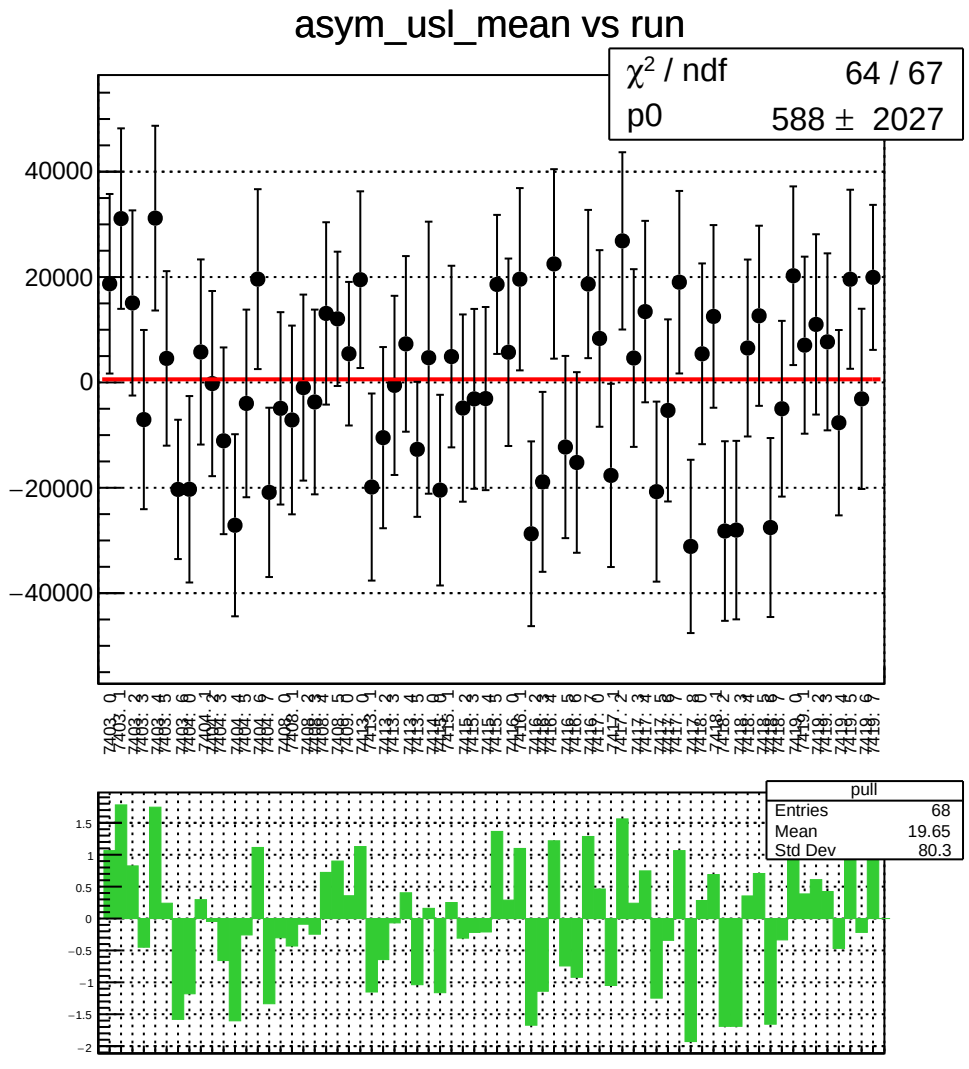

pull1D
Entries 68
Mean −0.01262
Std Dev 0.8901

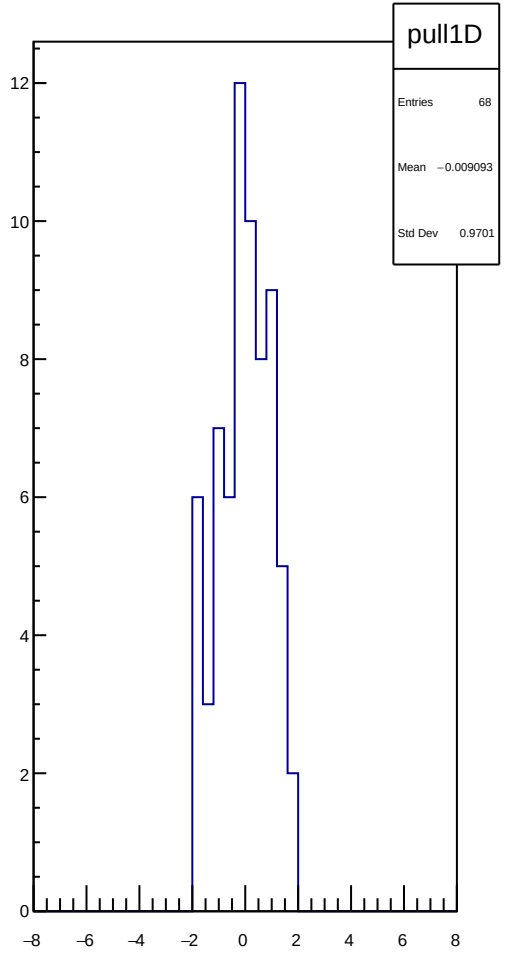

dit_asym_usl_rms vs run
χ² / ndf 91.01 / 67
p0 1095 ± 0.9555
1130
1120
1110
1100
1090
1080
1070
1060

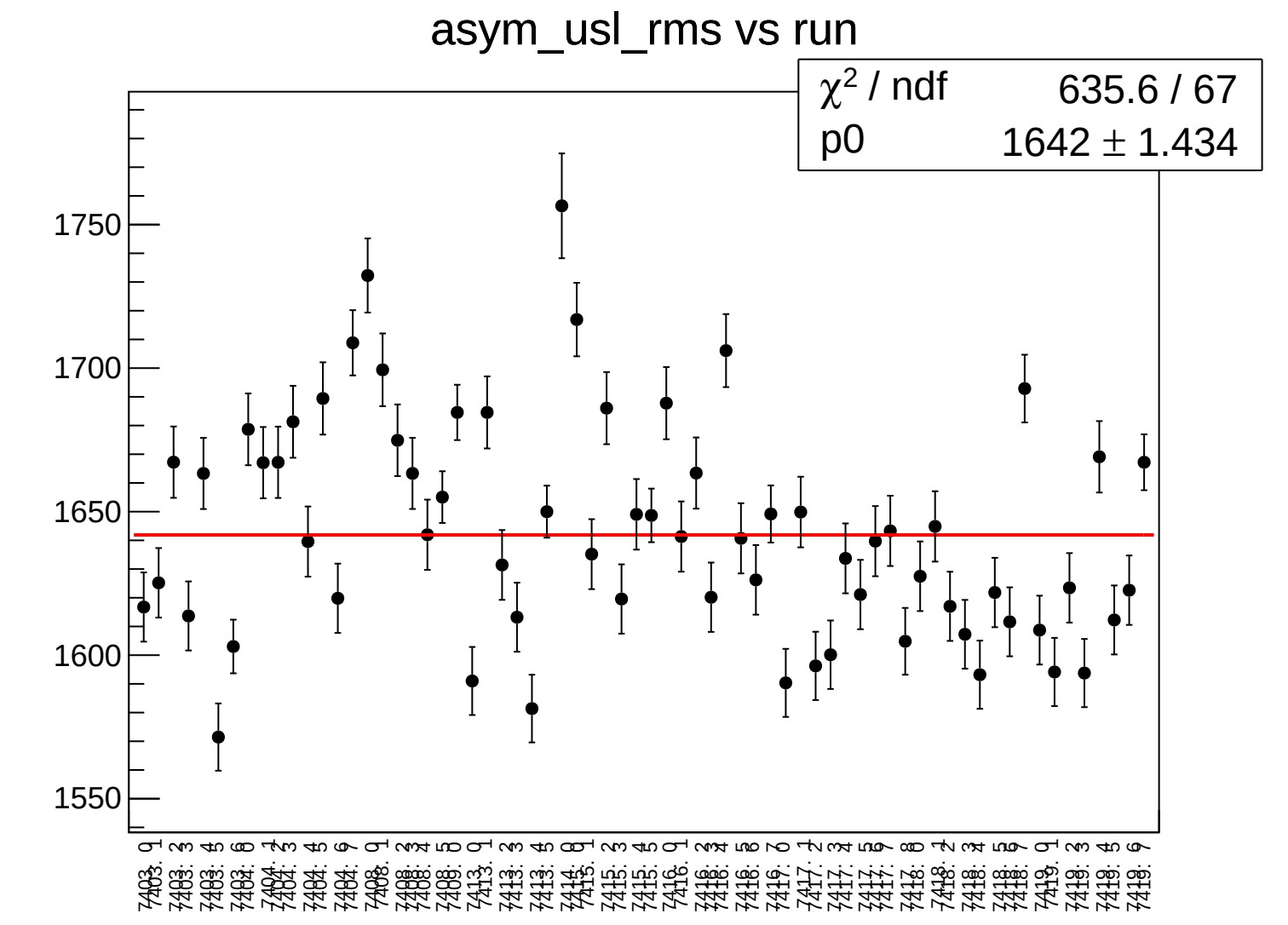

asym_usl_correction_mean vs run
χ² / ndf 57.09 / 67
p0 −169 ± 1512
pull
Entries 68
Mean 148.7
Std Dev 206

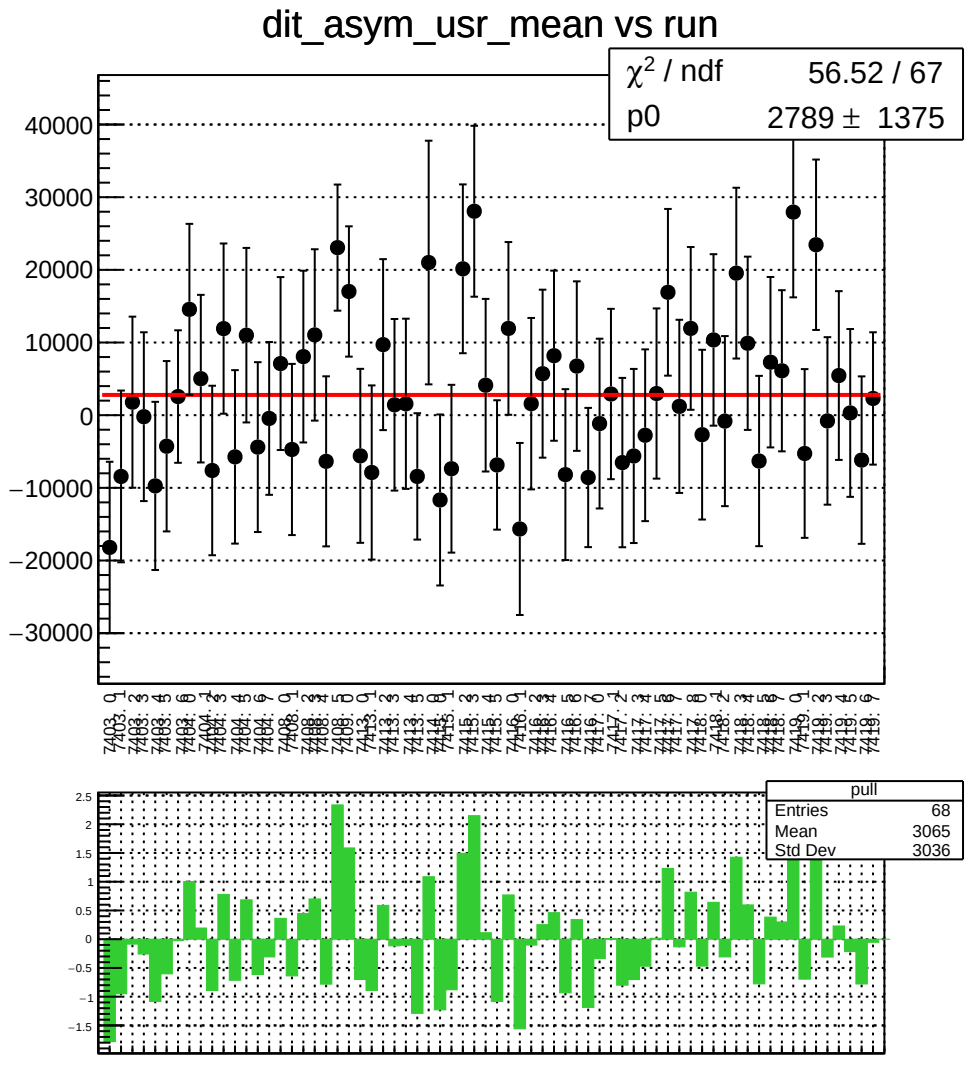

pull1D
Entries 68
Mean 0.002703
Std Dev 0.9163

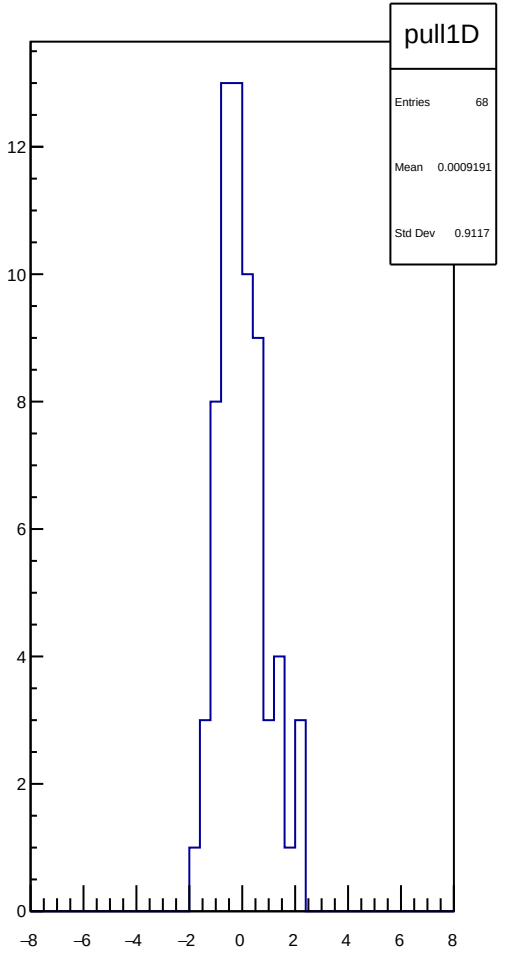

asym_usl_correction_rms vs run
χ² / ndf 2445 / 67
p0 1224 ± 1.069
1400
1350
1300
1250
1200
1150
1100

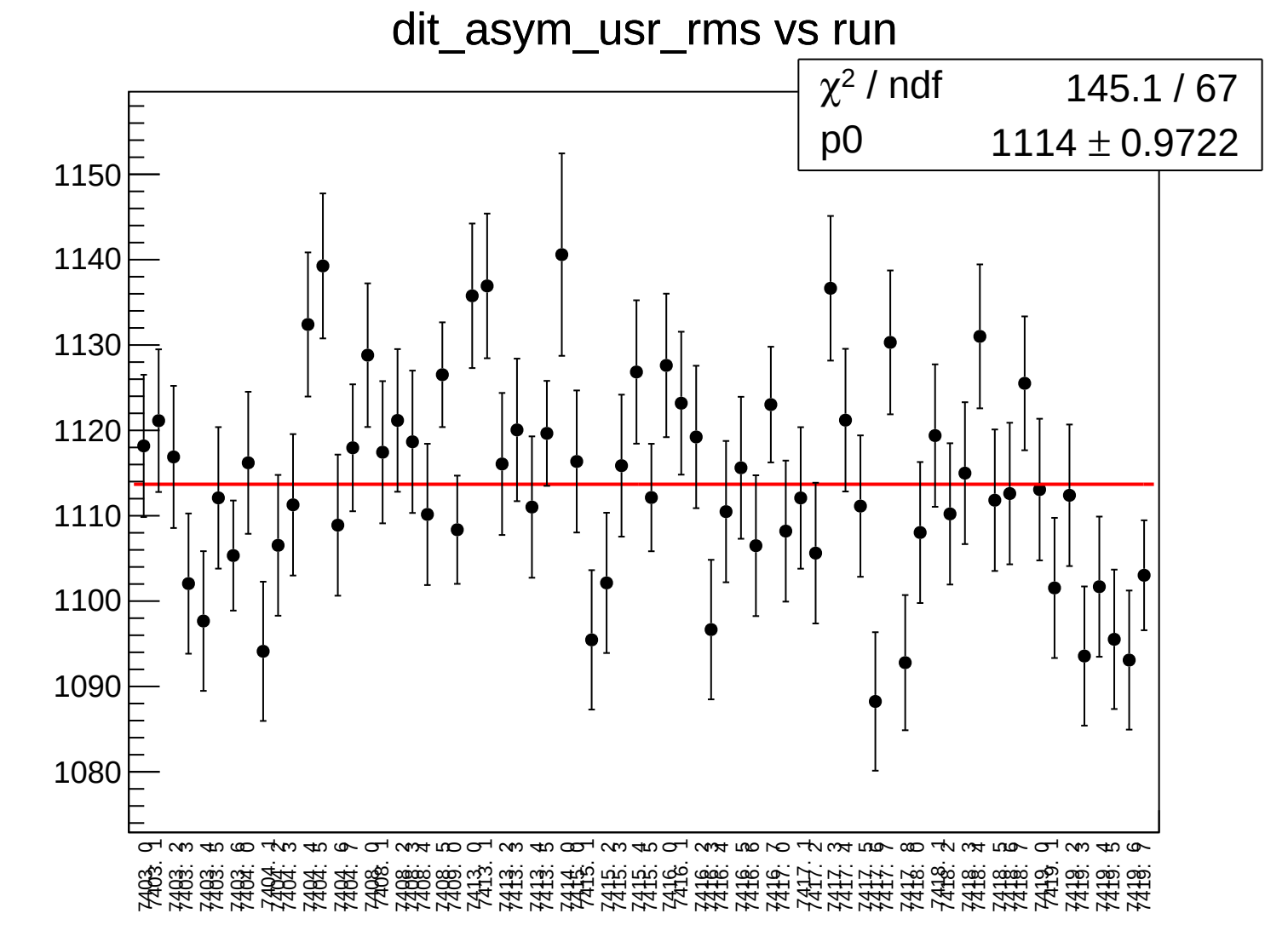

asym_usl_mean vs run
χ² / ndf 64 / 67
p0 588 ± 2027
40000
20000
0
−20000
−40000
pull
Entries 68
Mean 19.65
Std Dev 80.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

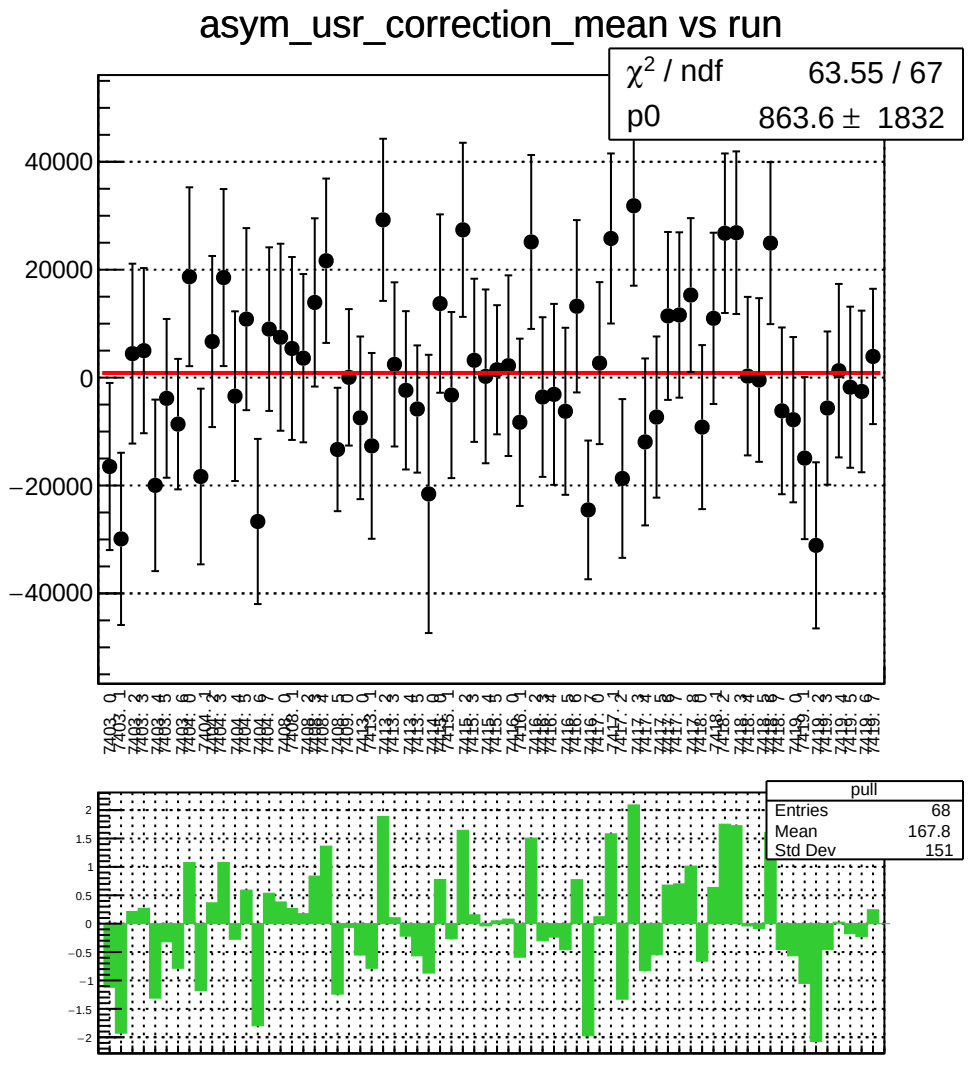

pull1D
Entries 68
Mean −0.009093
Std Dev 0.9701
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

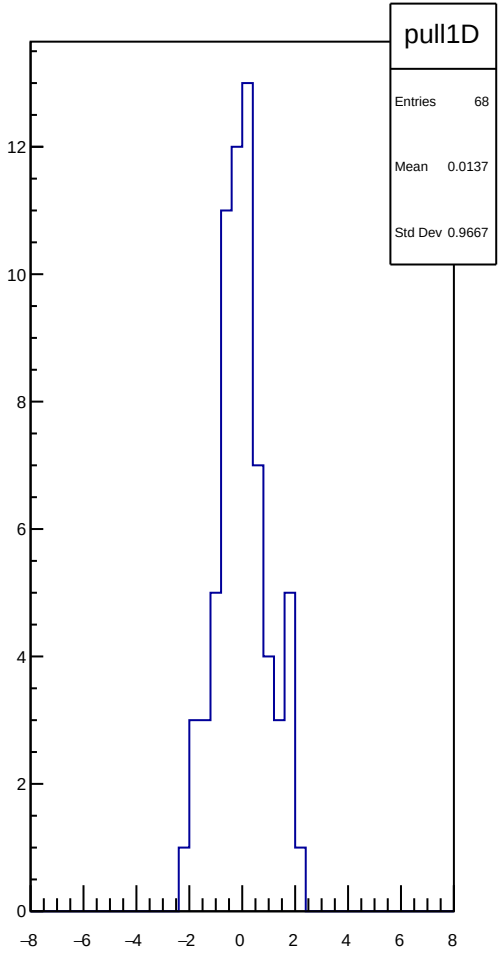

asym_usl_rms vs run
χ² / ndf 635.6 / 67
p0 1642 ± 1.434
1750
1700
1650
1600
1550

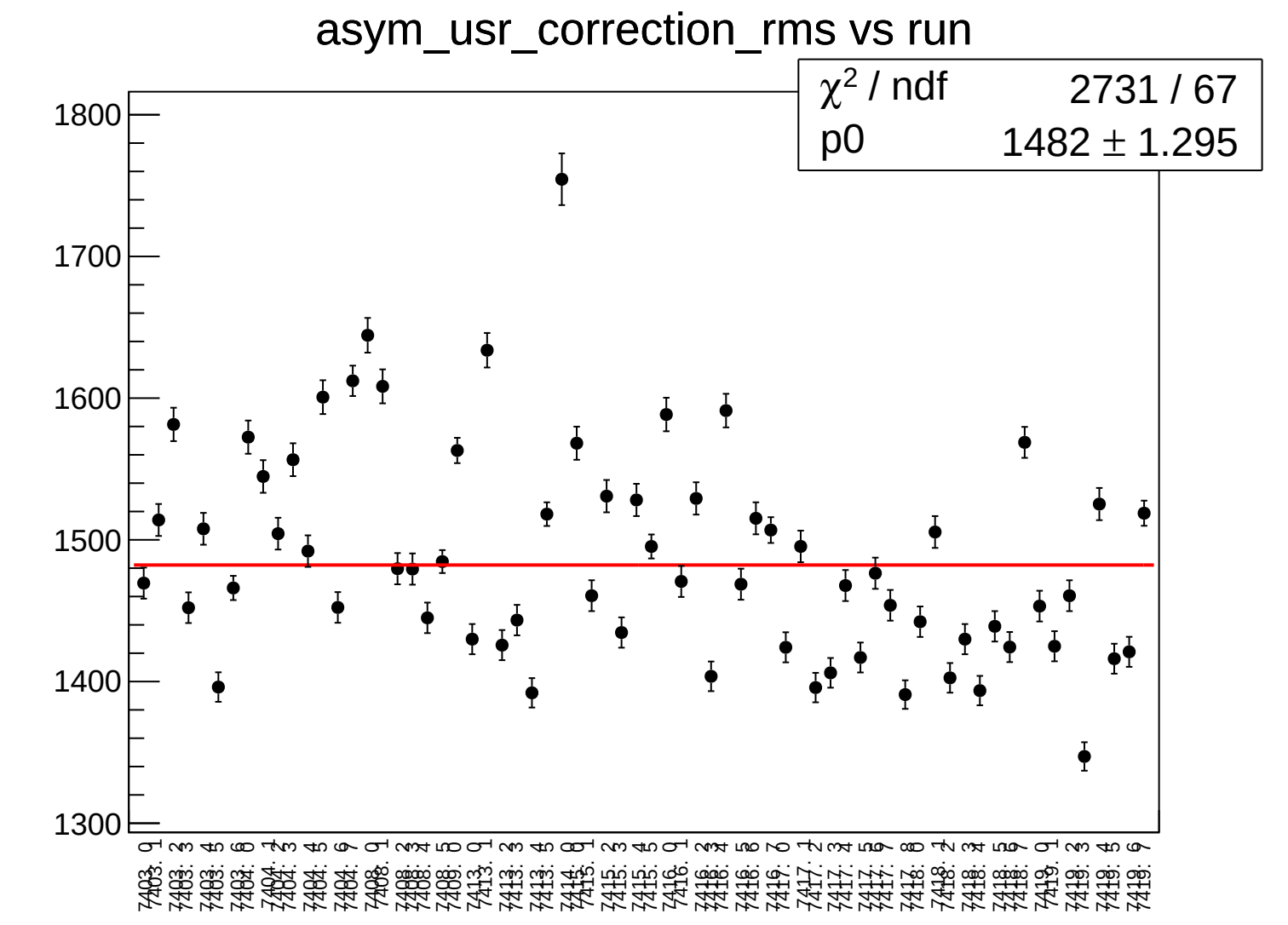

dit_asym_usr_mean vs run
χ² / ndf 56.52 / 67
p0 2789 ± 1375
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 3065
Std Dev 3036
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

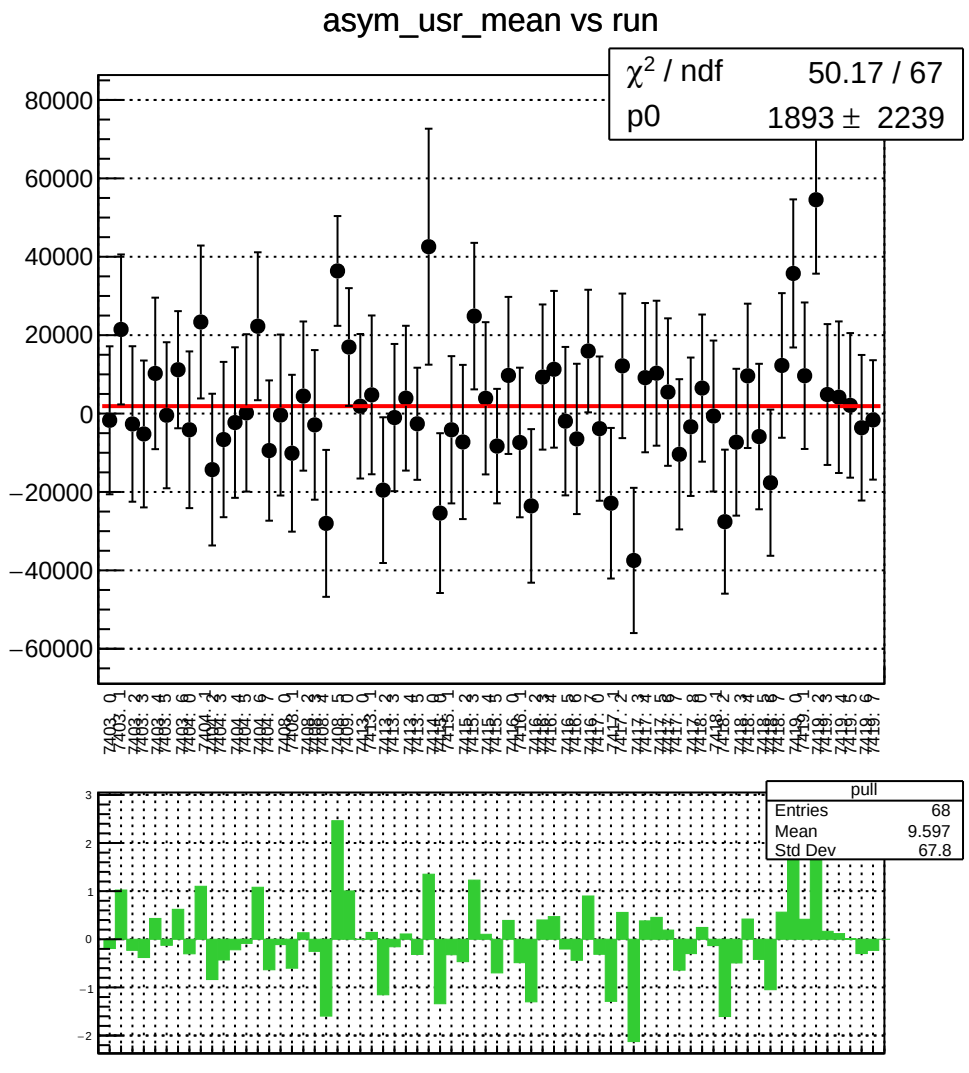

pull1D
Entries 68
Mean 0.0009191
Std Dev 0.9117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

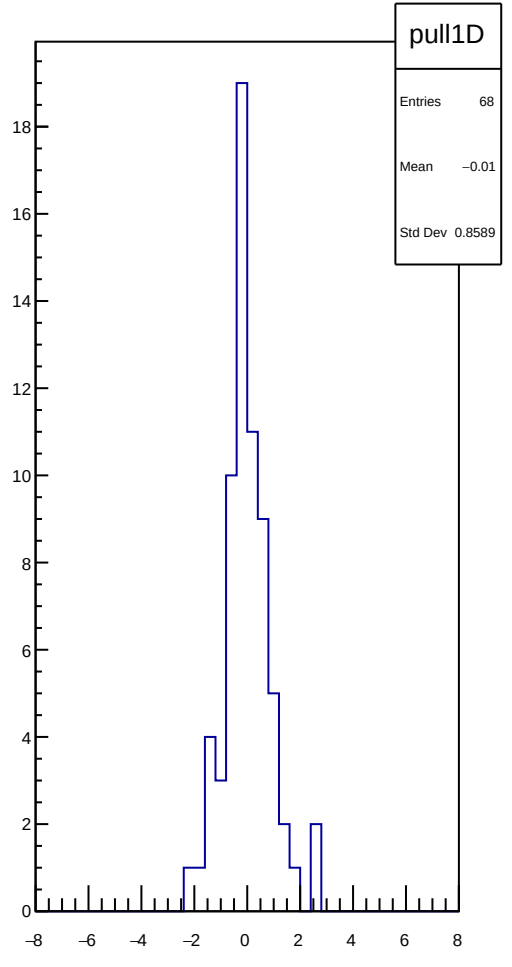

dit_asym_usr_rms vs run
χ^2 / ndf 145.1 / 67
p0 1114 ± 0.9722
1150
1140
1130
1120
1110
1100
1090
1080

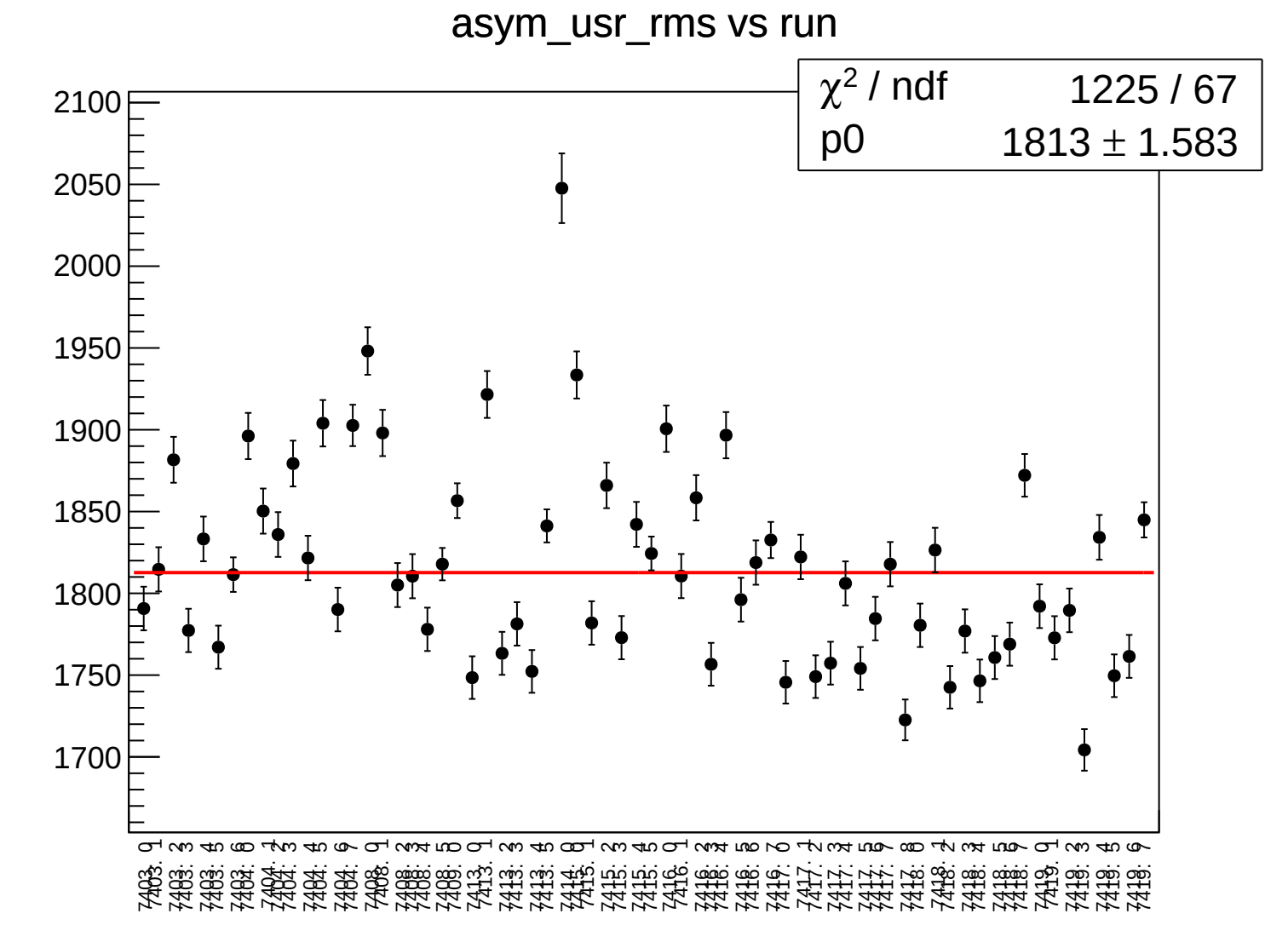

asym_usr_correction_mean vs run
χ² / ndf 63.55 / 67
p0 863.6 ± 1832
40000
20000
0
−20000
−40000
pull
Entries 68
Mean 167.8
Std Dev 151
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

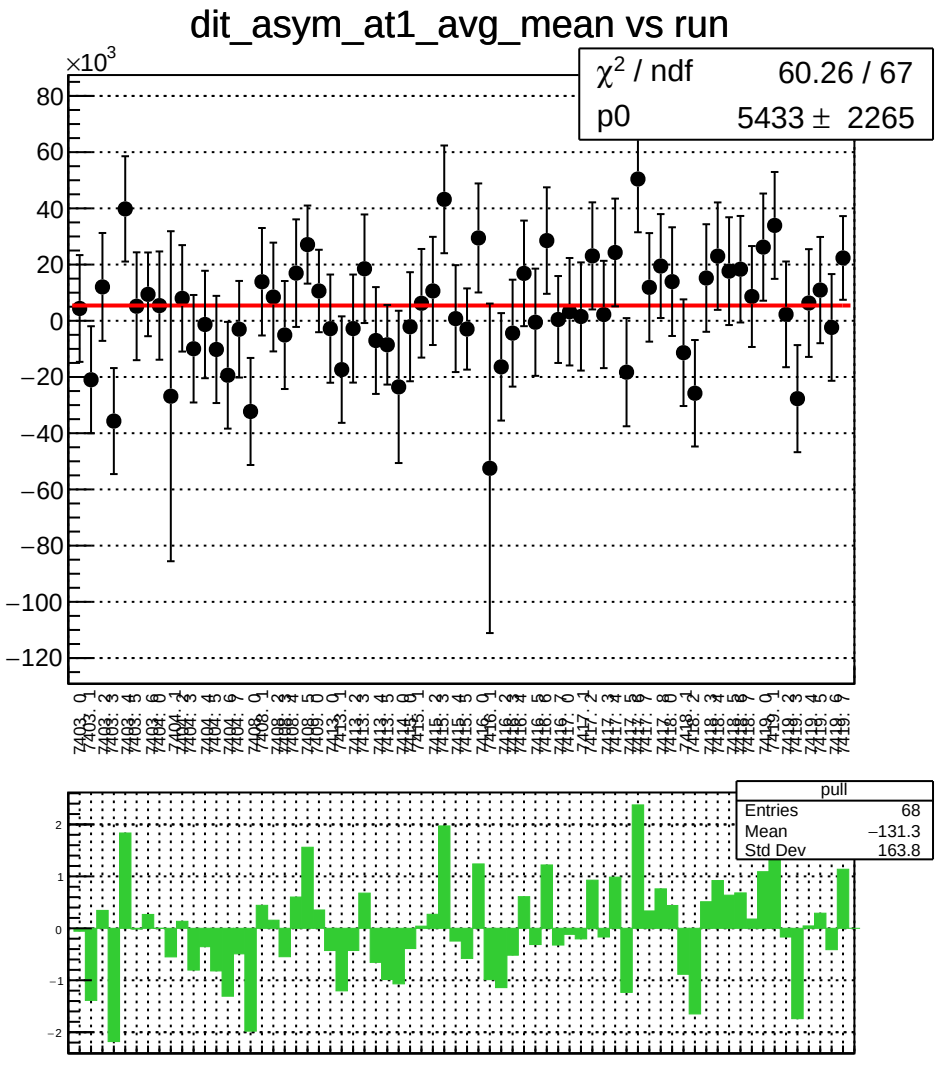

pull1D
Entries 68
Mean 0.0137
Std Dev 0.9667
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

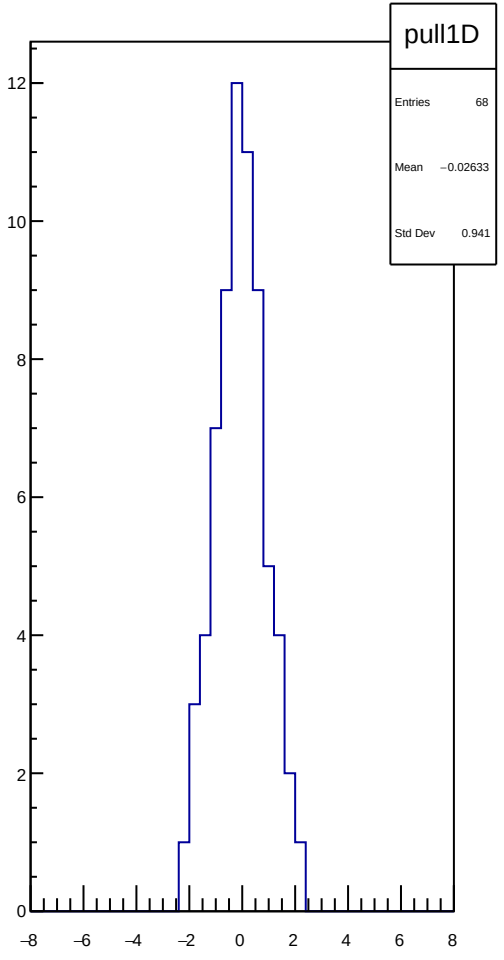

asym_usr_correction_rms vs run
χ² / ndf 2731 / 67
p0 1482 ± 1.295
1800
1700
1600
1500
1400
1300

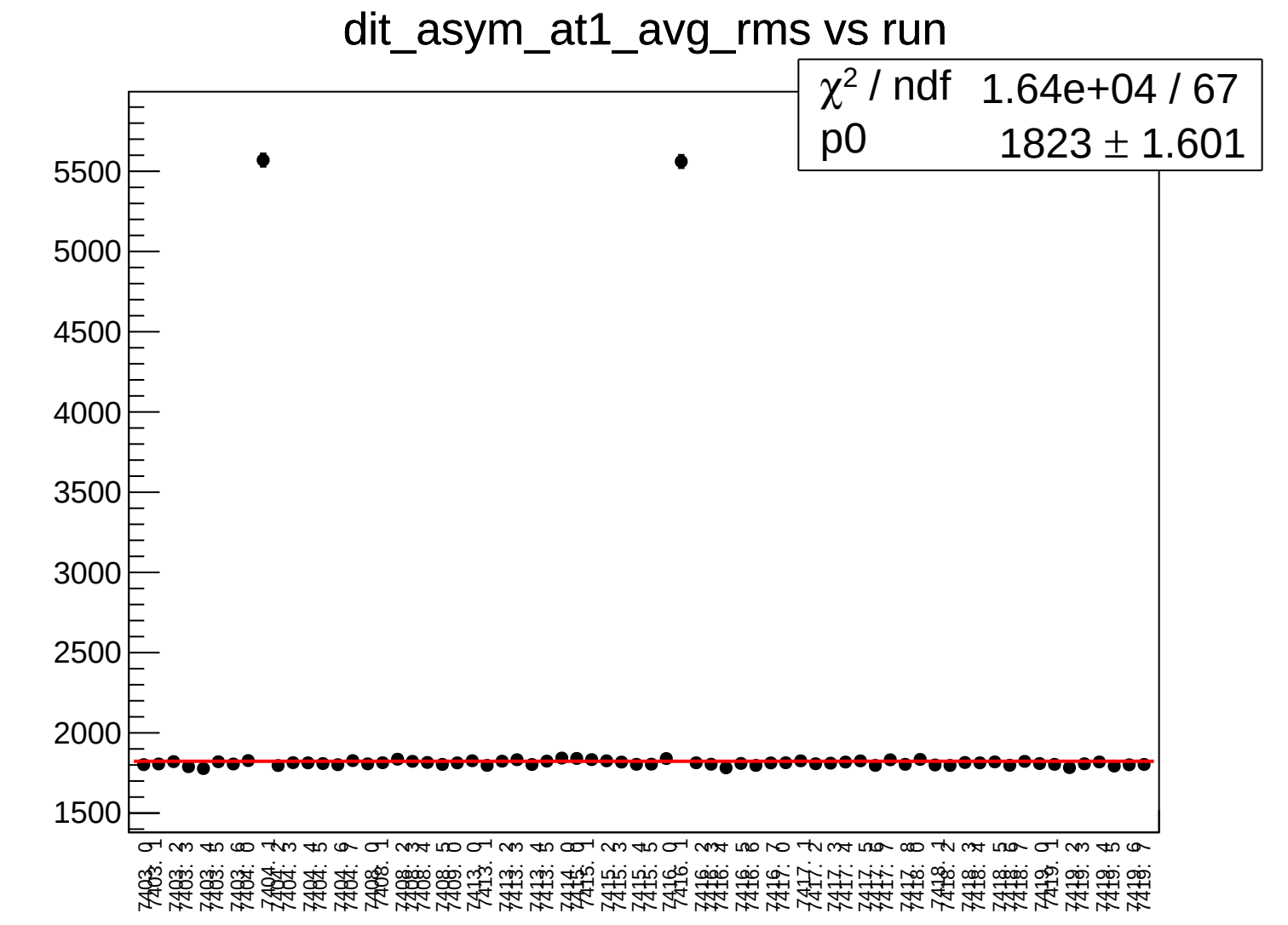

asym_usr_mean vs run
χ² / ndf 50.17 / 67
p0 1893 ± 2239
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean 9.597
Std Dev 67.8
3
2
1
0
−1
−2

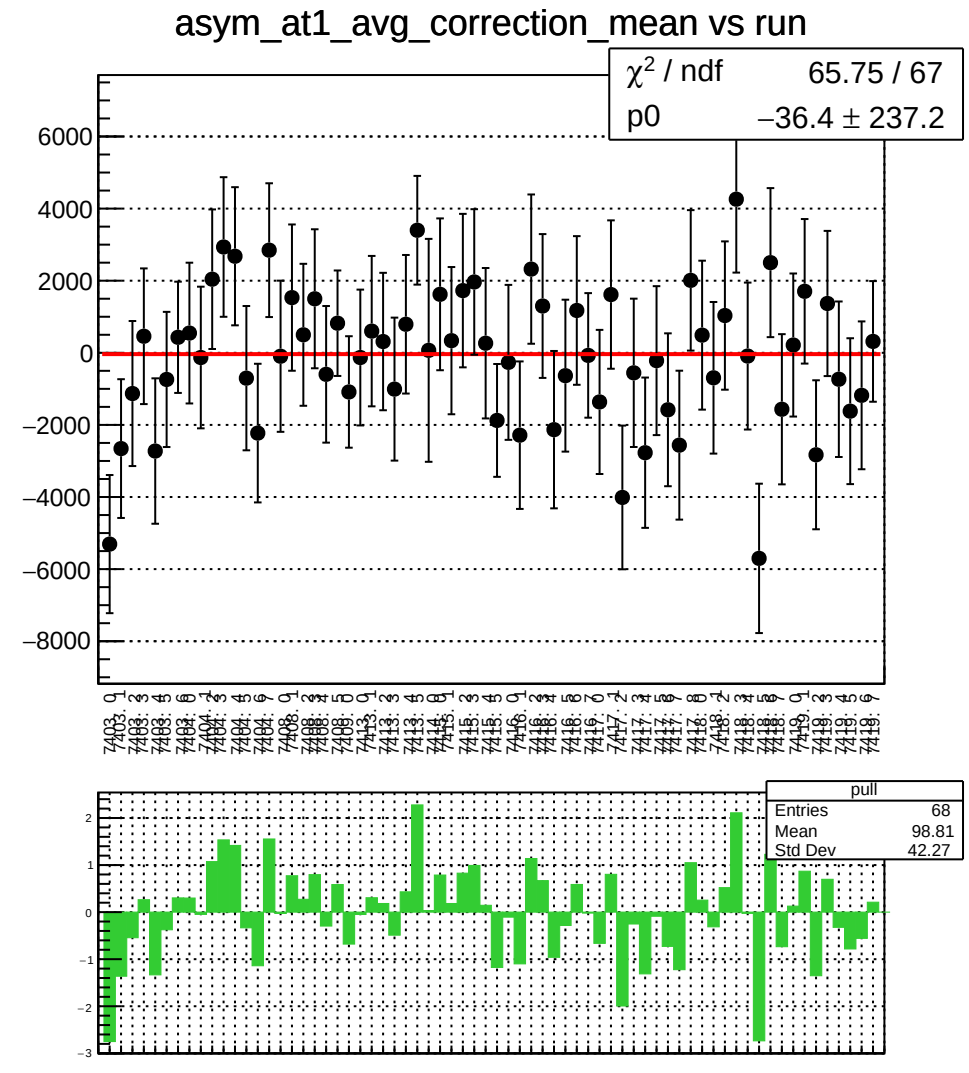

pull1D
Entries 68
Mean −0.01
Std Dev 0.8589
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

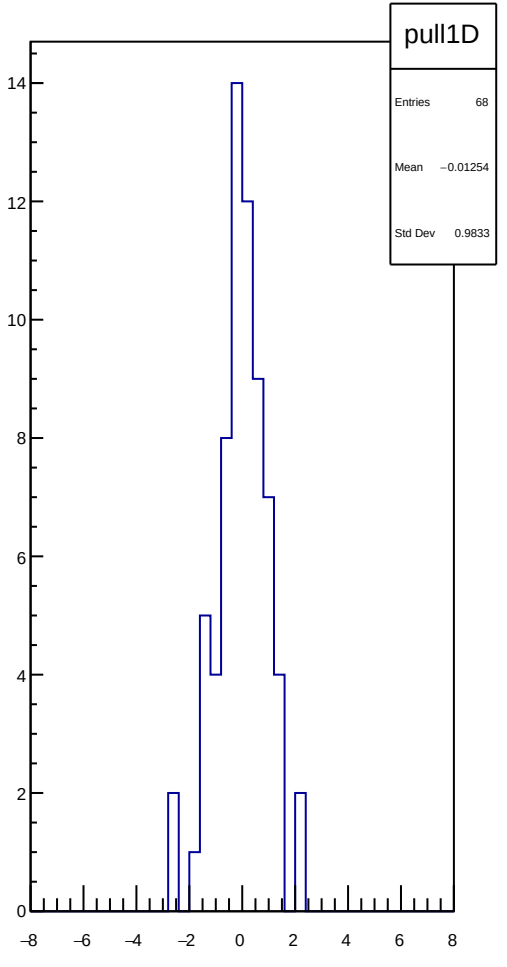

asym_usr_rms vs run
χ² / ndf 1225 / 67
p0 1813 ± 1.583
2100
2050
2000
1950
1900
1850
1800
1750
1700

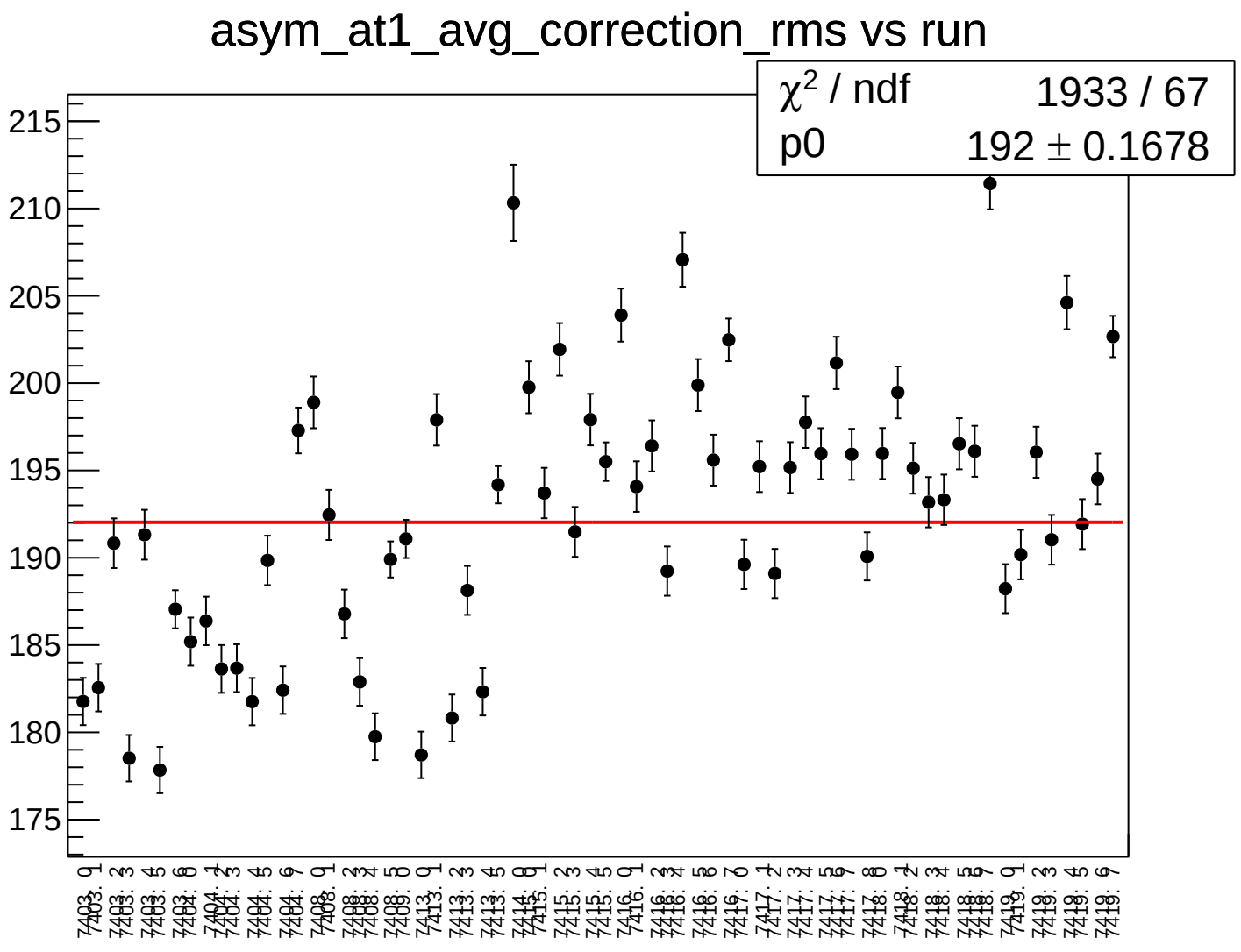

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 60.26 / 67
p0 5433 ± 2265
pull
Entries 68
Mean −131.3
Std Dev 163.8

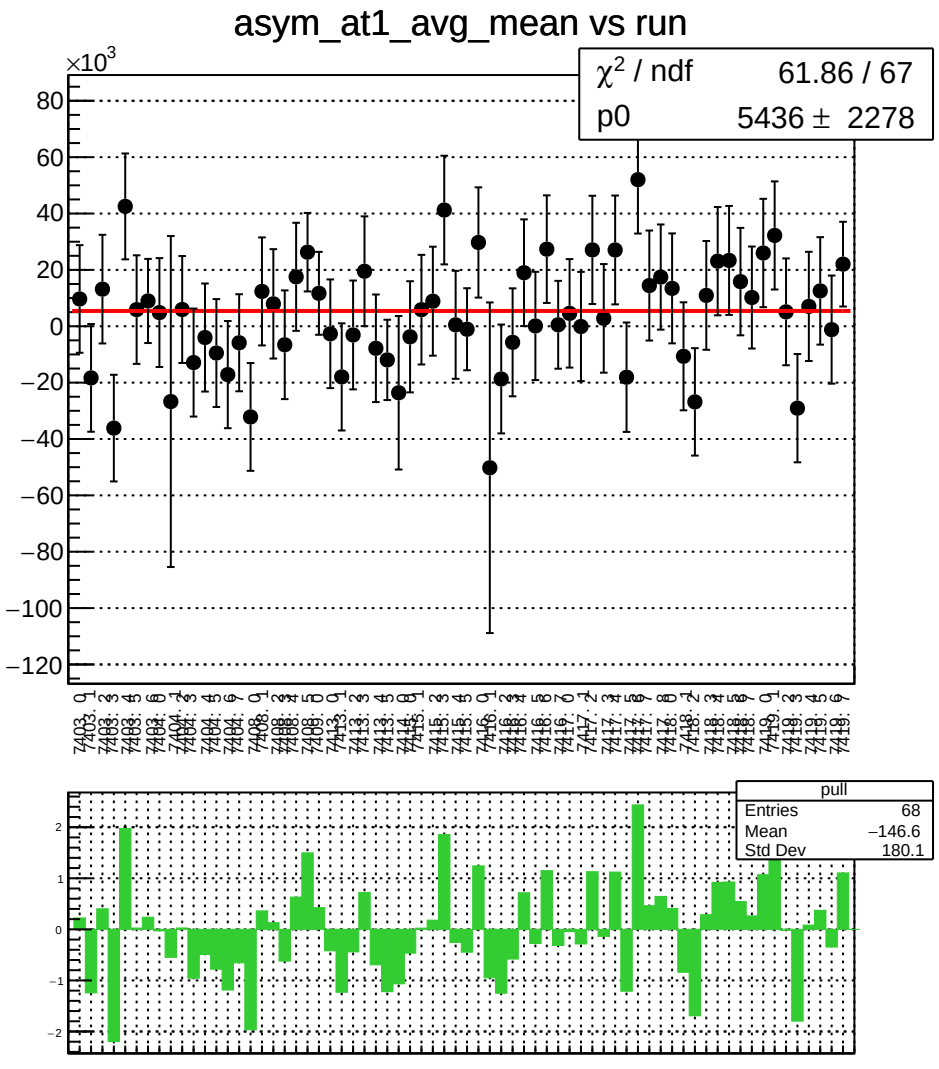

pull1D
Entries 68
Mean −0.02633
Std Dev 0.941

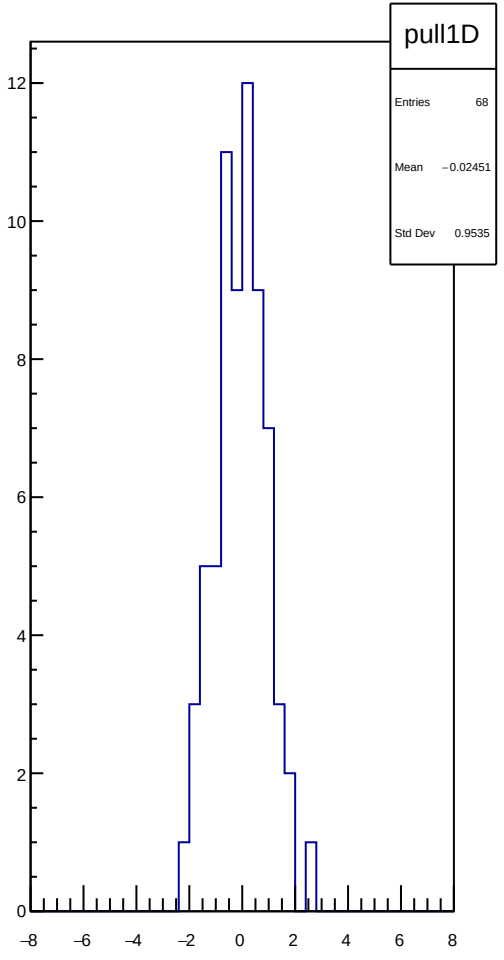

dit_asym_at1_avg_rms vs run
χ² / ndf 1.64e+04 / 67
p0 1823 ± 1.601
5500
5000
4500
4000
3500
3000
2500
2000
1500

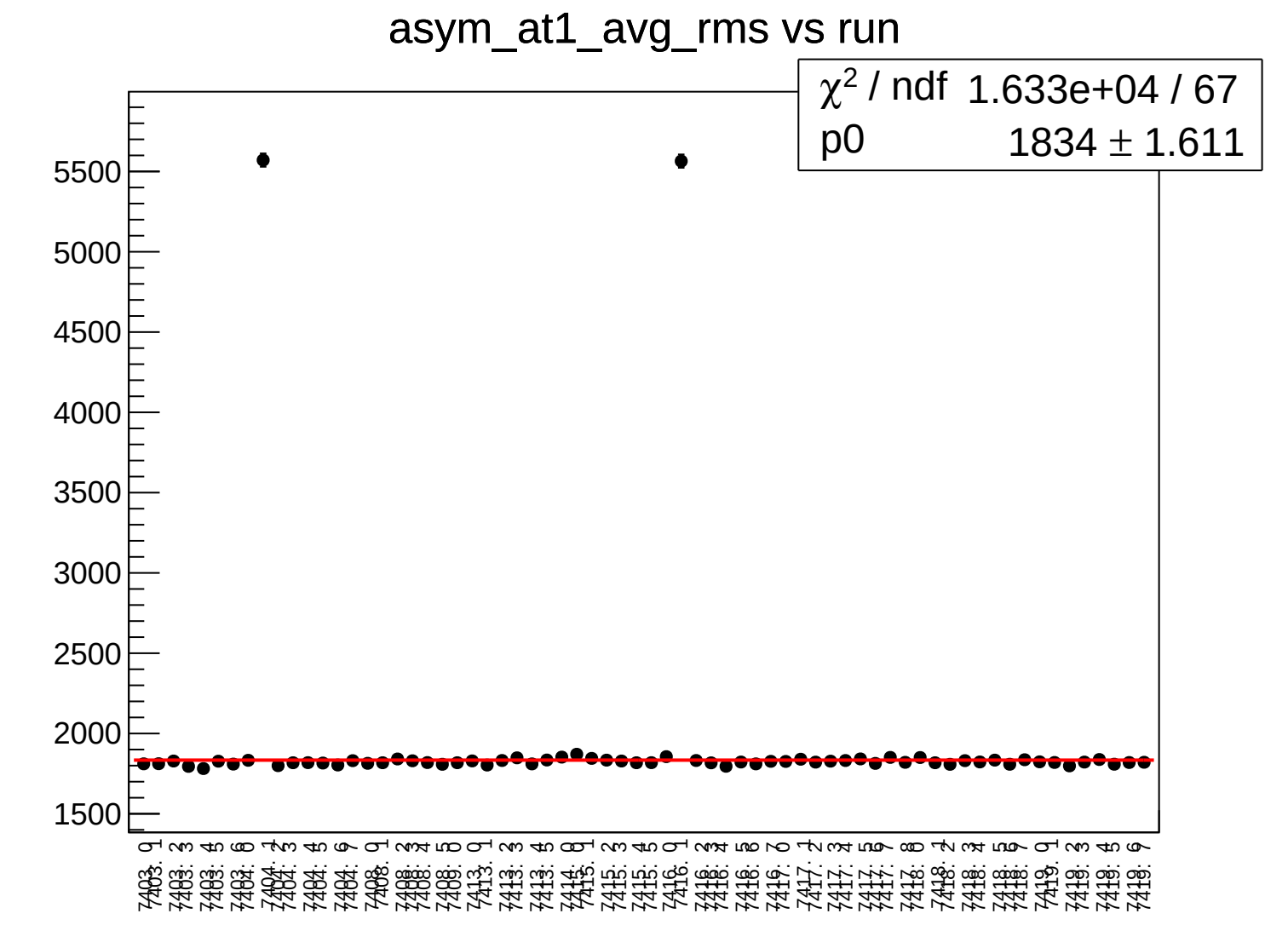

asym_at1_avg_correction_mean vs run
χ² / ndf 65.75 / 67
p0 −36.4 ± 237.2
pull
Entries 68
Mean 98.81
Std Dev 42.27

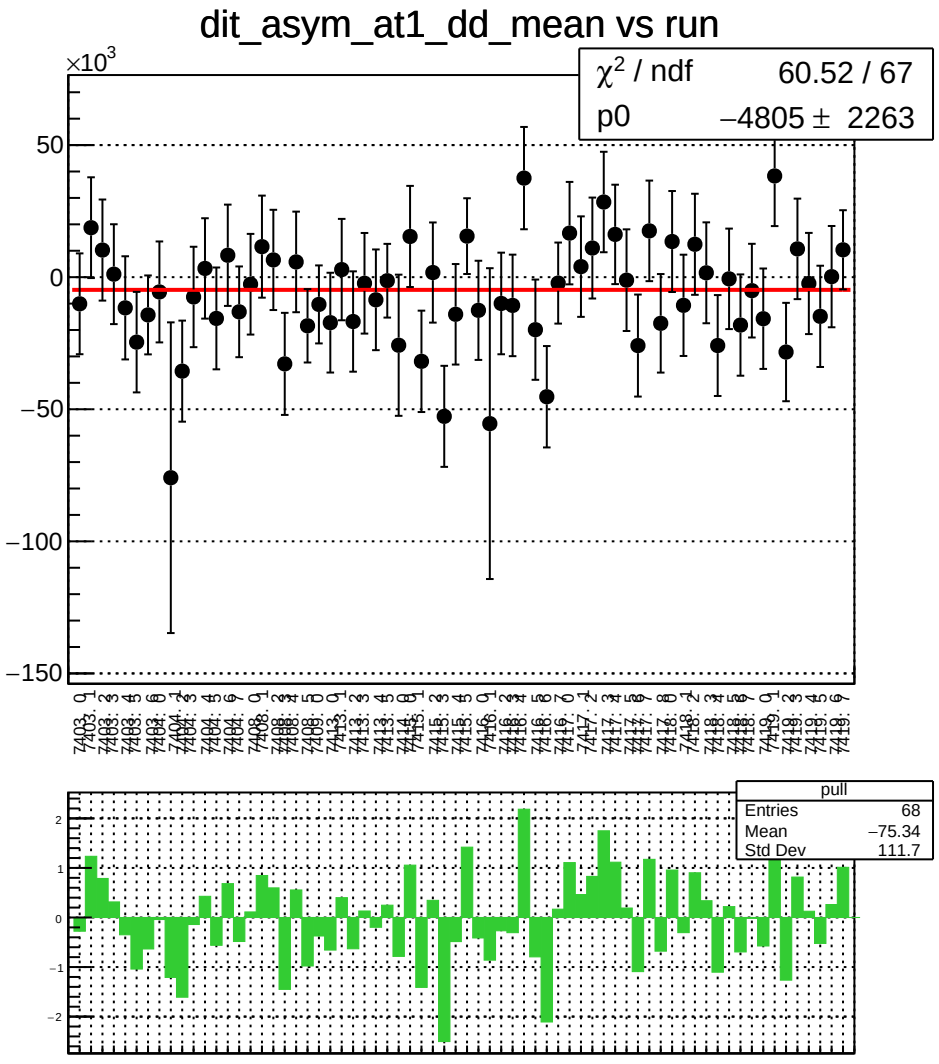

pull1D
Entries 68
Mean −0.01254
Std Dev 0.9833

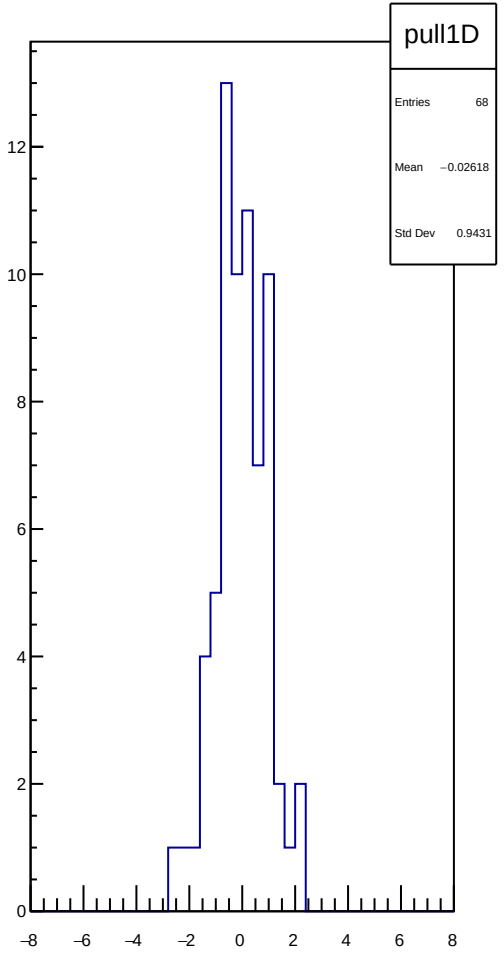

asym_at1_avg_correction_rms vs run
χ² / ndf 1933 / 67
p0 192 ± 0.1678
215
210
205
200
195
190
185
180
175

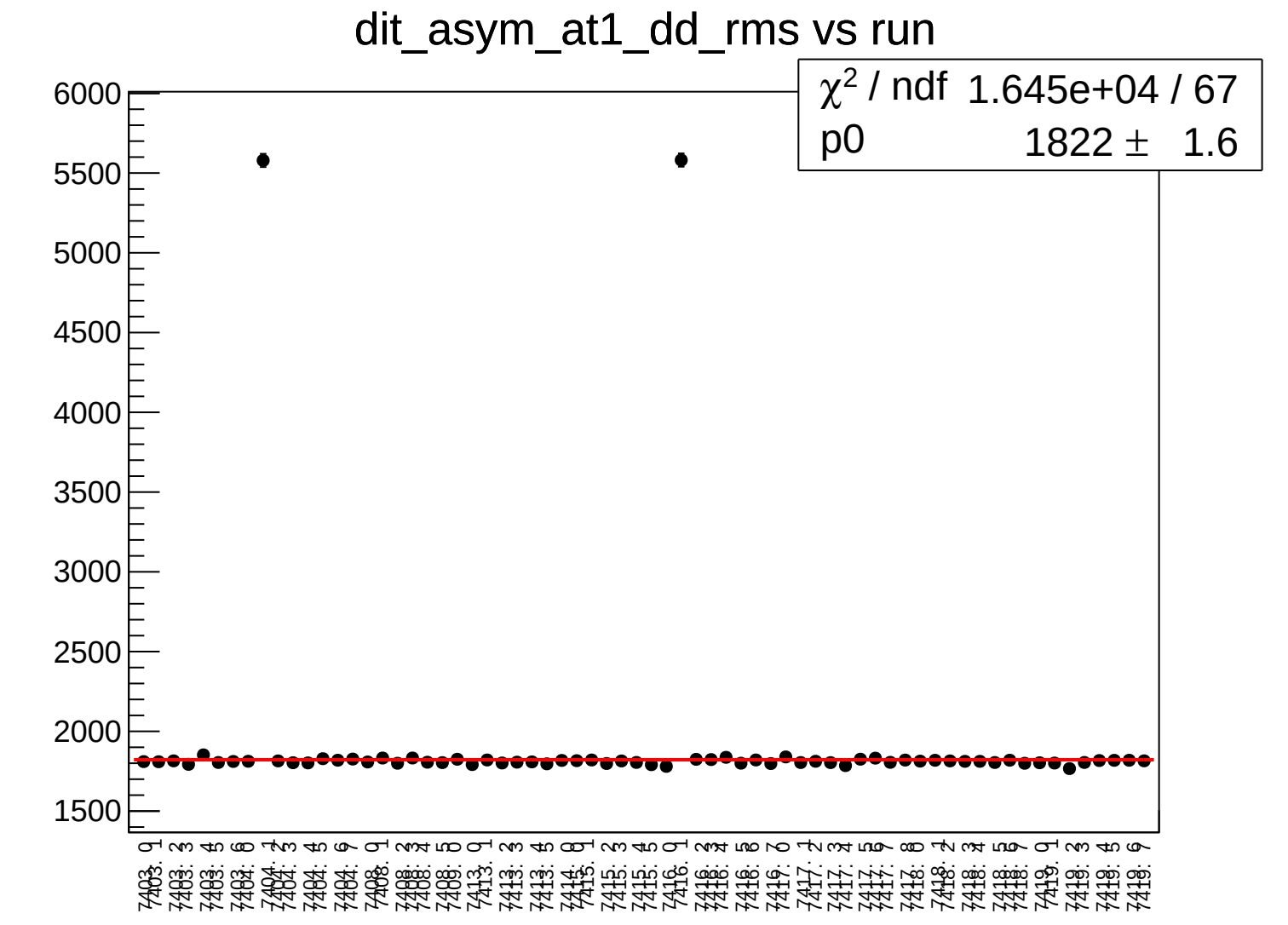

asym_at1_avg_mean vs run
×10^3
χ² / ndf 61.86 / 67
p0 5436 ± 2278
pull
Entries 68
Mean −146.6
Std Dev 180.1

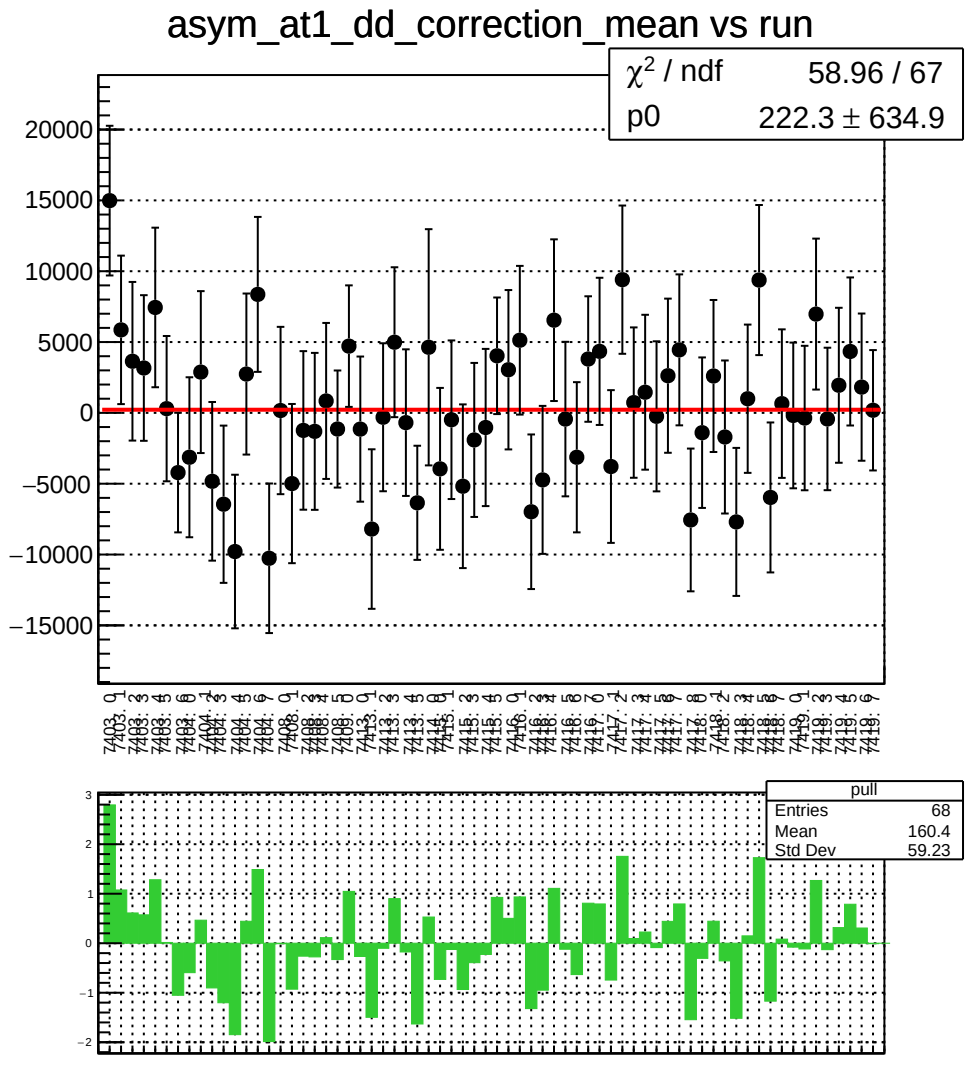

pull1D
Entries 68
Mean −0.02451
Std Dev 0.9535

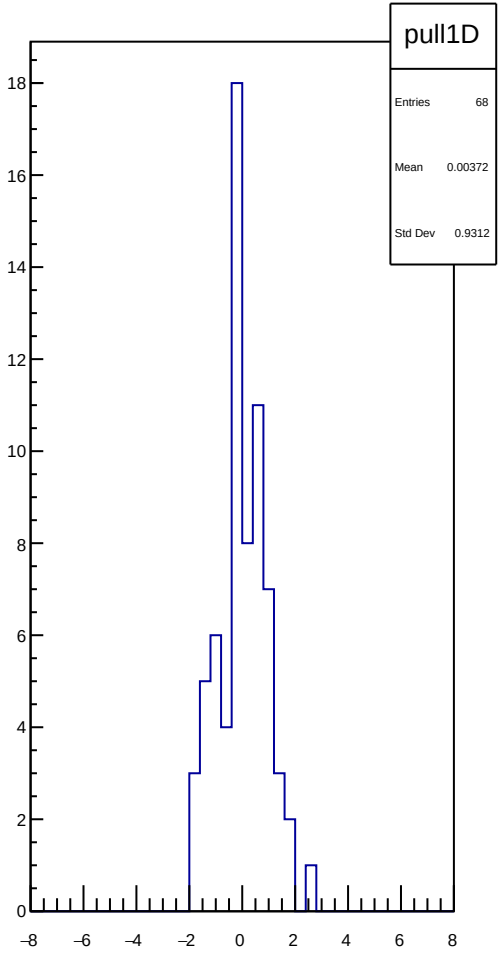

asym_at1_avg_rms vs run
χ² / ndf 1.633e+04 / 67
p0 1834 ± 1.611
5500
5000
4500
4000
3500
3000
2500
2000
1500

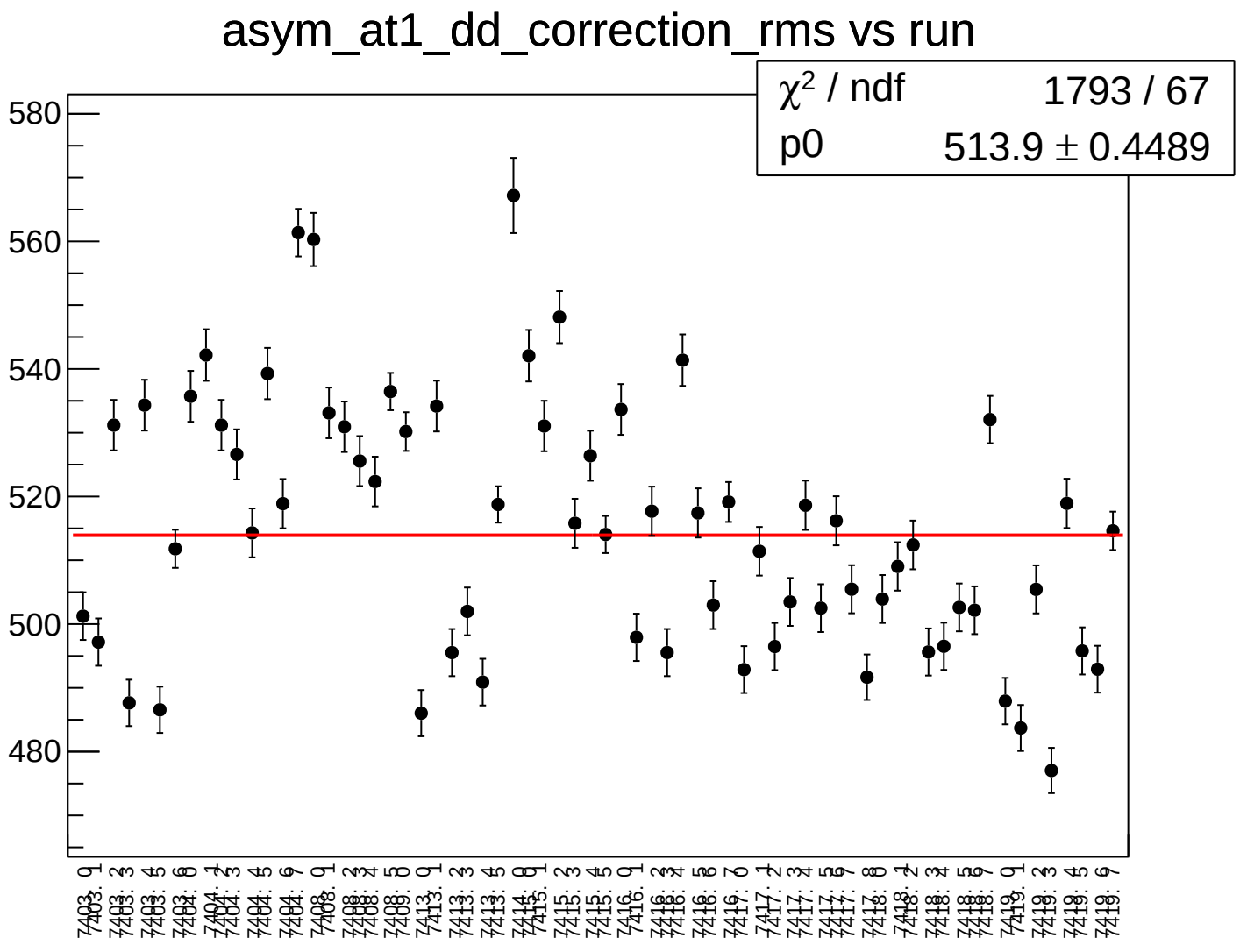

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 60.52 / 67
p0 −4805 ± 2263
50
0
−50
−100
−150
pull
Entries 68
Mean −75.34
Std Dev 111.7
2
1
0
−1
−2

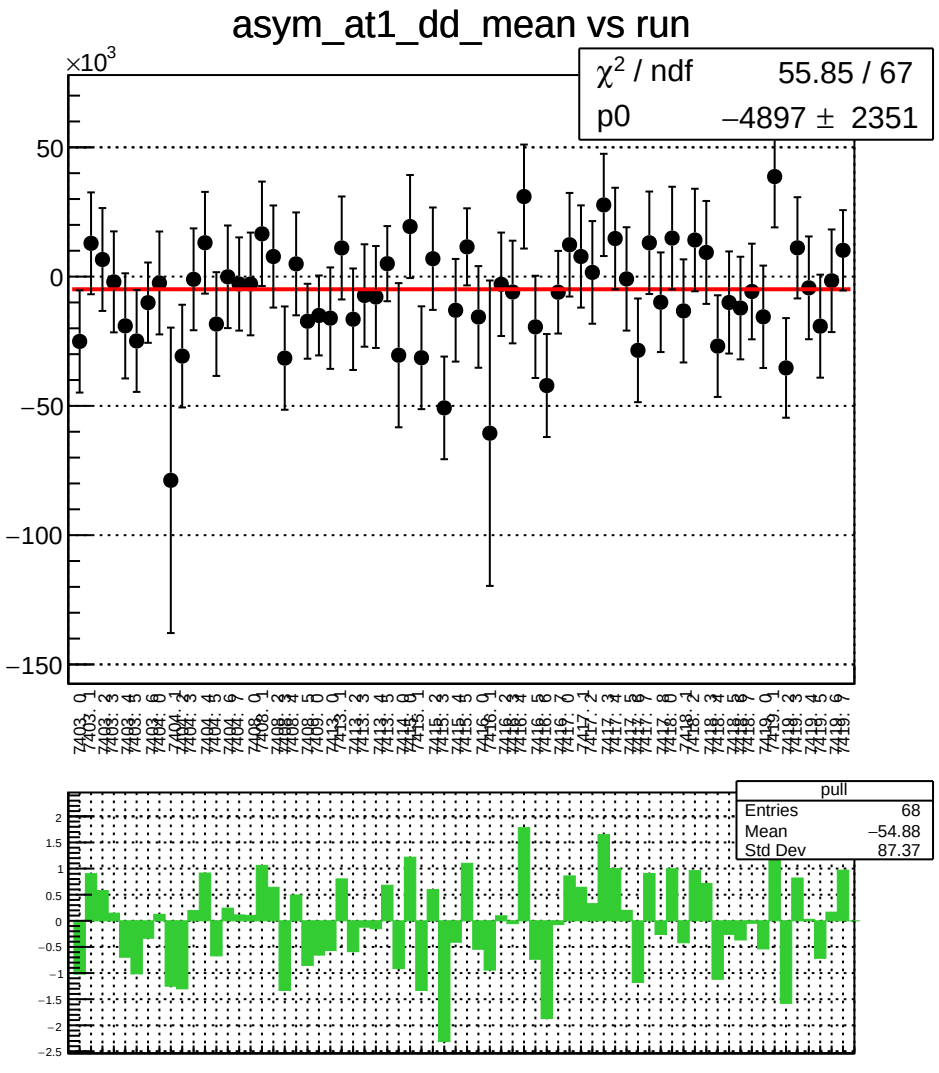

pull1D
Entries 68
Mean −0.02618
Std Dev 0.9431
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

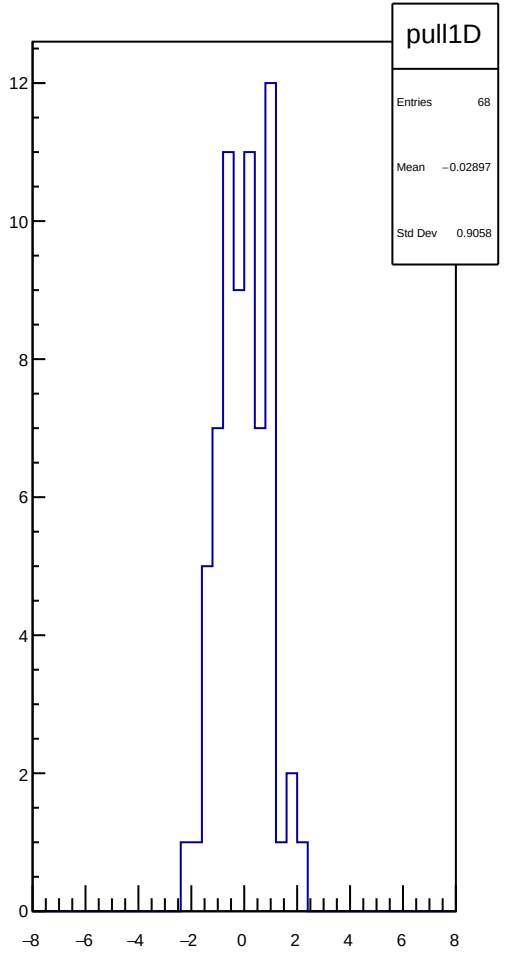

dit_asym_at1_dd_rms vs run
χ² / ndf 1.645e+04 / 67
p0 1822 ± 1.6
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

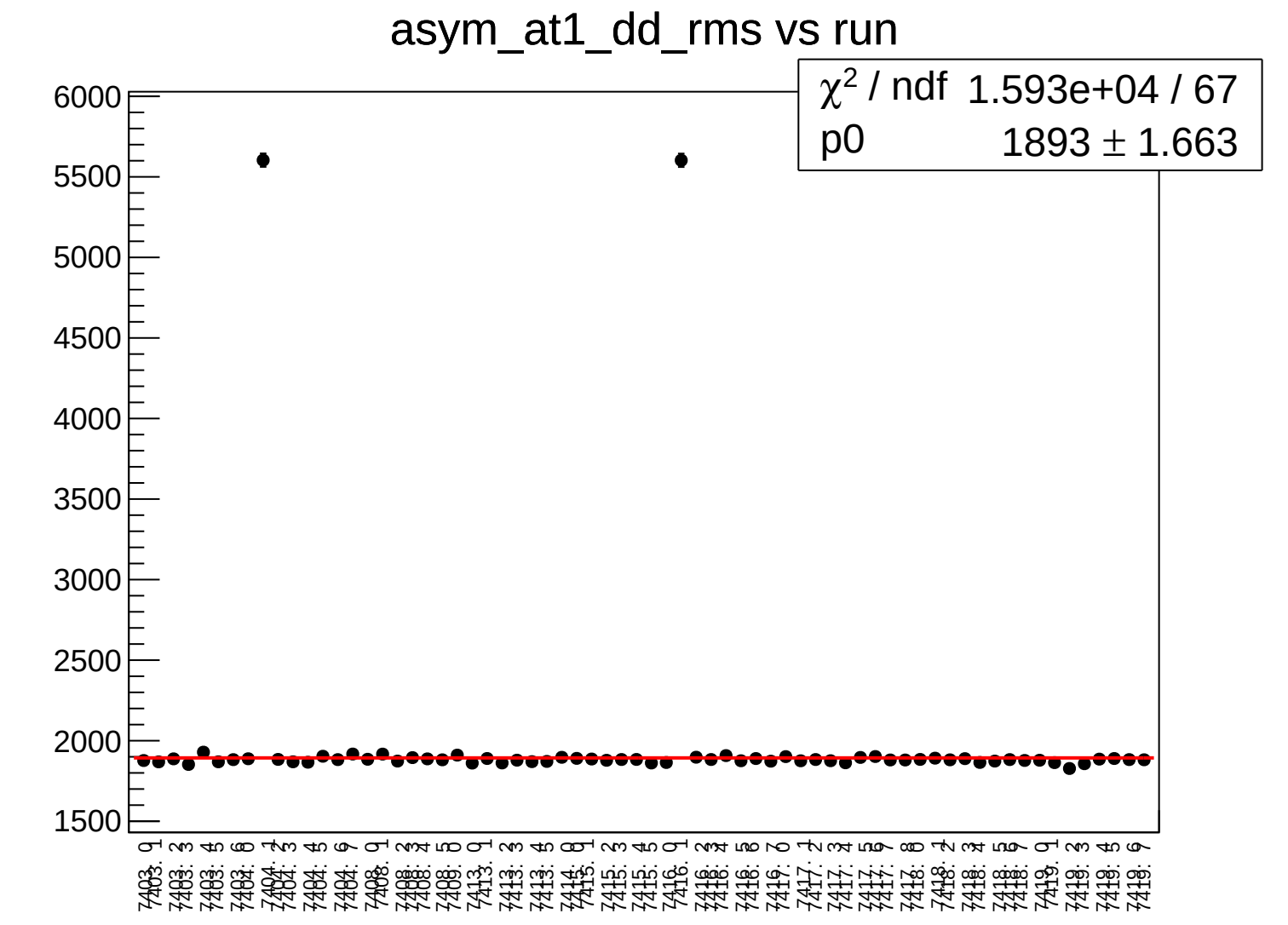

asym_at1_dd_correction_mean vs run
χ² / ndf 58.96 / 67
p0 222.3 ± 634.9
pull
Entries 68
Mean 160.4
Std Dev 59.23

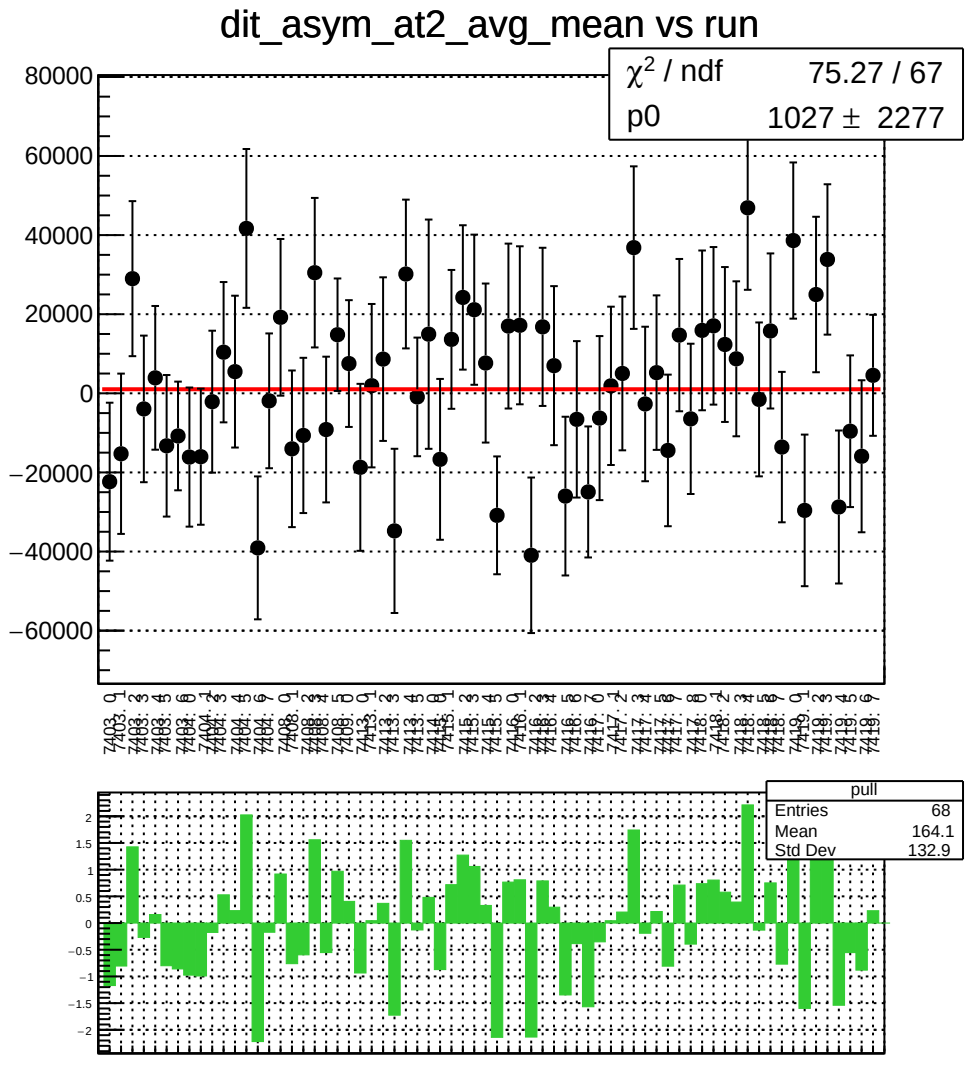

pull1D
Entries 68
Mean 0.00372
Std Dev 0.9312

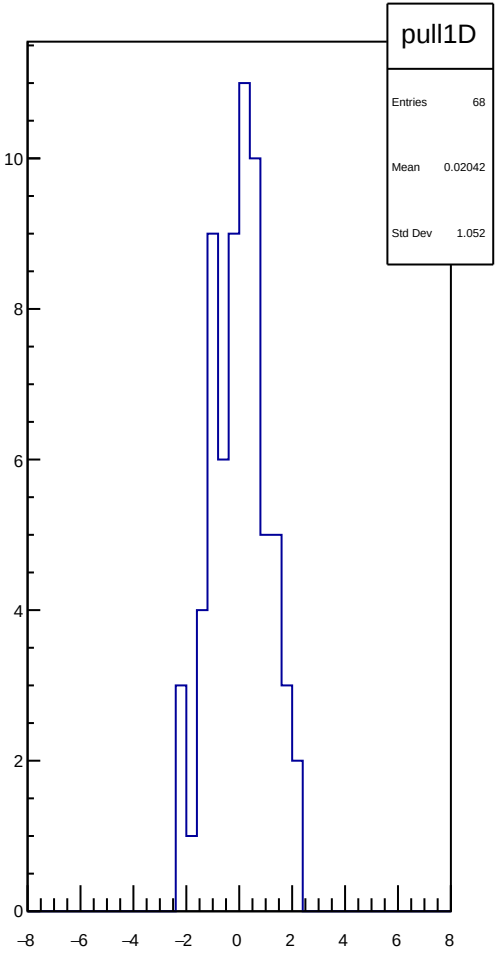

asym_at1_dd_correction_rms vs run
χ² / ndf 1793 / 67
p0 513.9 ± 0.4489
580
560
540
520
500
480

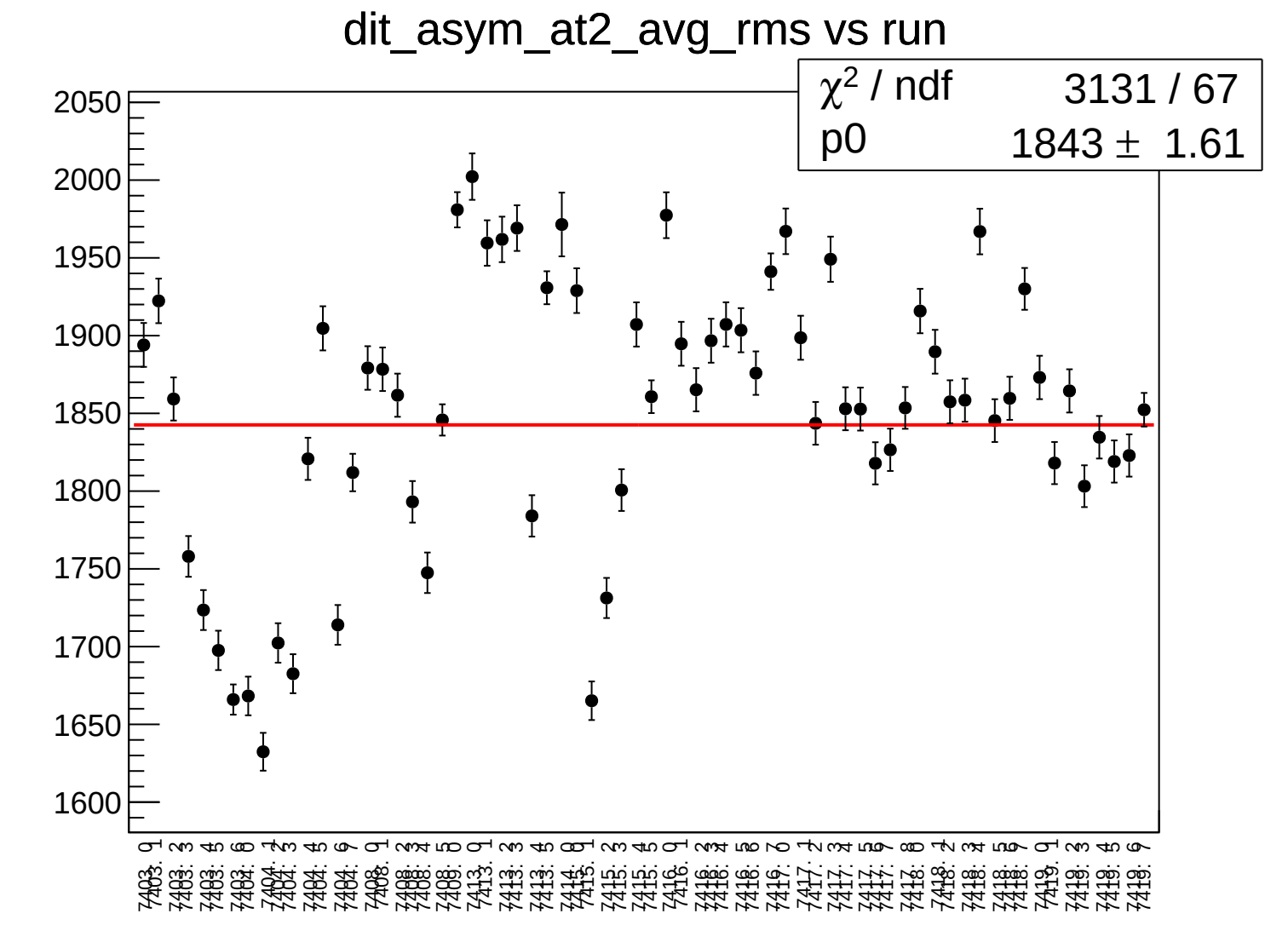

asym_at1_dd_mean vs run
×10^3
χ² / ndf 55.85 / 67
p0 −4897 ± 2351
50
0
−50
−100
−150
pull
Entries 68
Mean −54.88
Std Dev 87.37
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

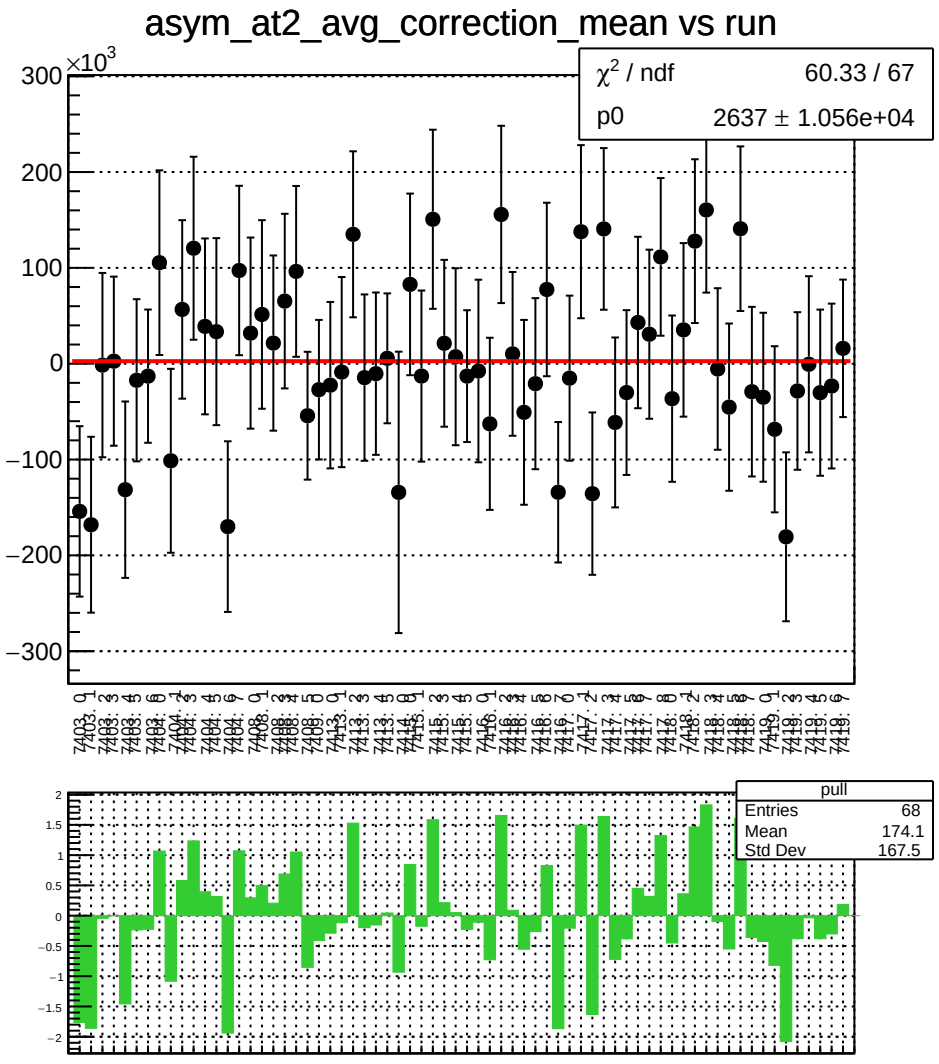

pull1D
Entries 68
Mean −0.02897
Std Dev 0.9058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

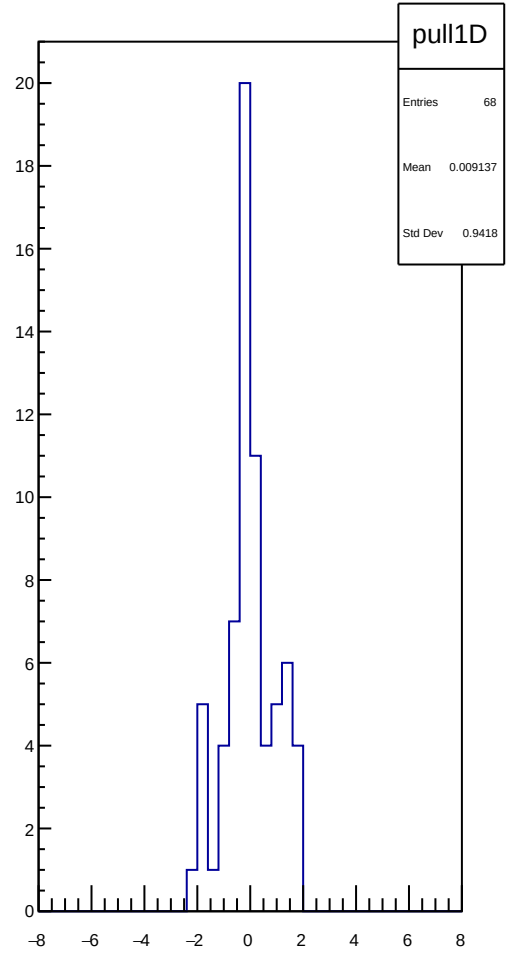

asym_at1_dd_rms vs run
χ² / ndf 1.593e+04 / 67
p0 1893 ± 1.663
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

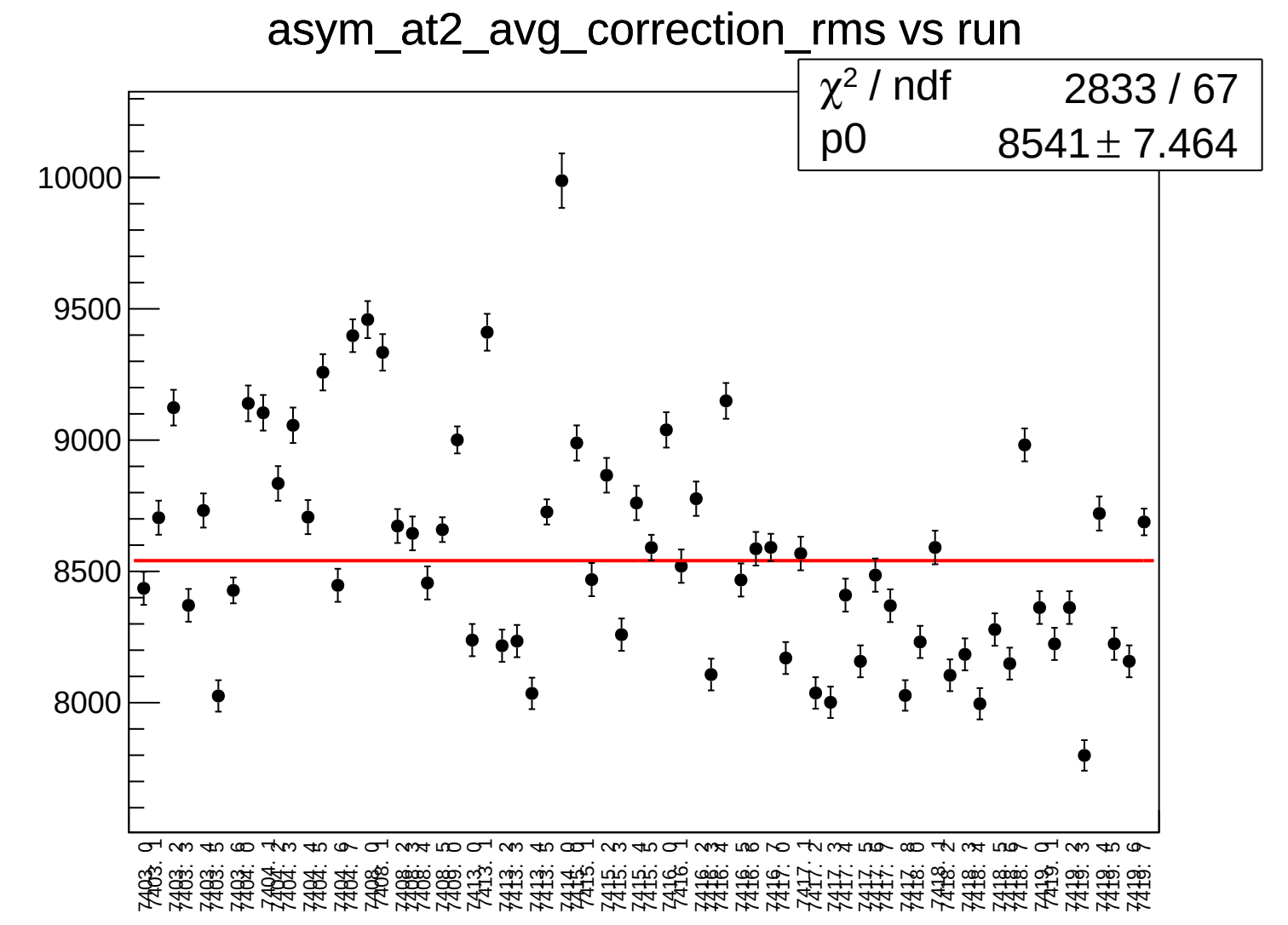

dit_asym_at2_avg_mean vs run
χ² / ndf 75.27 / 67
p0 1027 ± 2277
pull
Entries 68
Mean 164.1
Std Dev 132.9

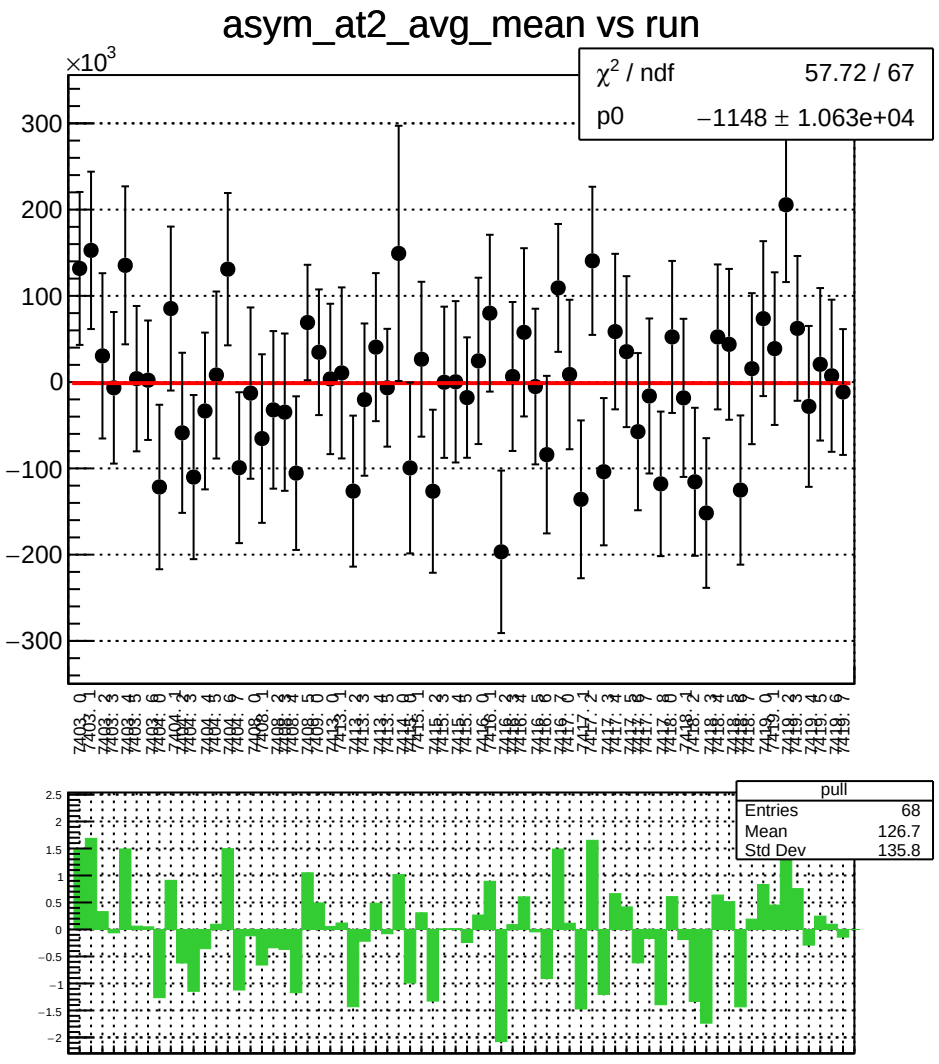

pull1D
Entries 68
Mean 0.02042
Std Dev 1.052

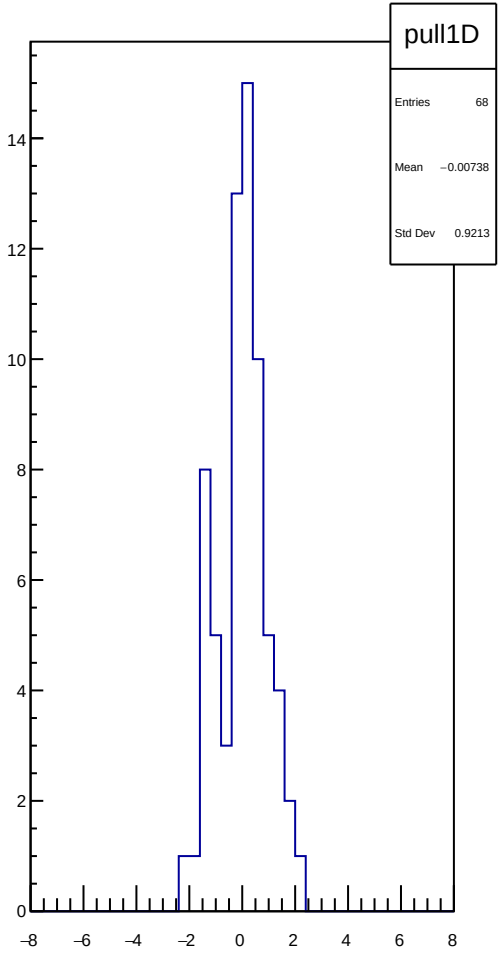

dit_asym_at2_avg_rms vs run
χ² / ndf 3131 / 67
p0 1843 ± 1.61
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600

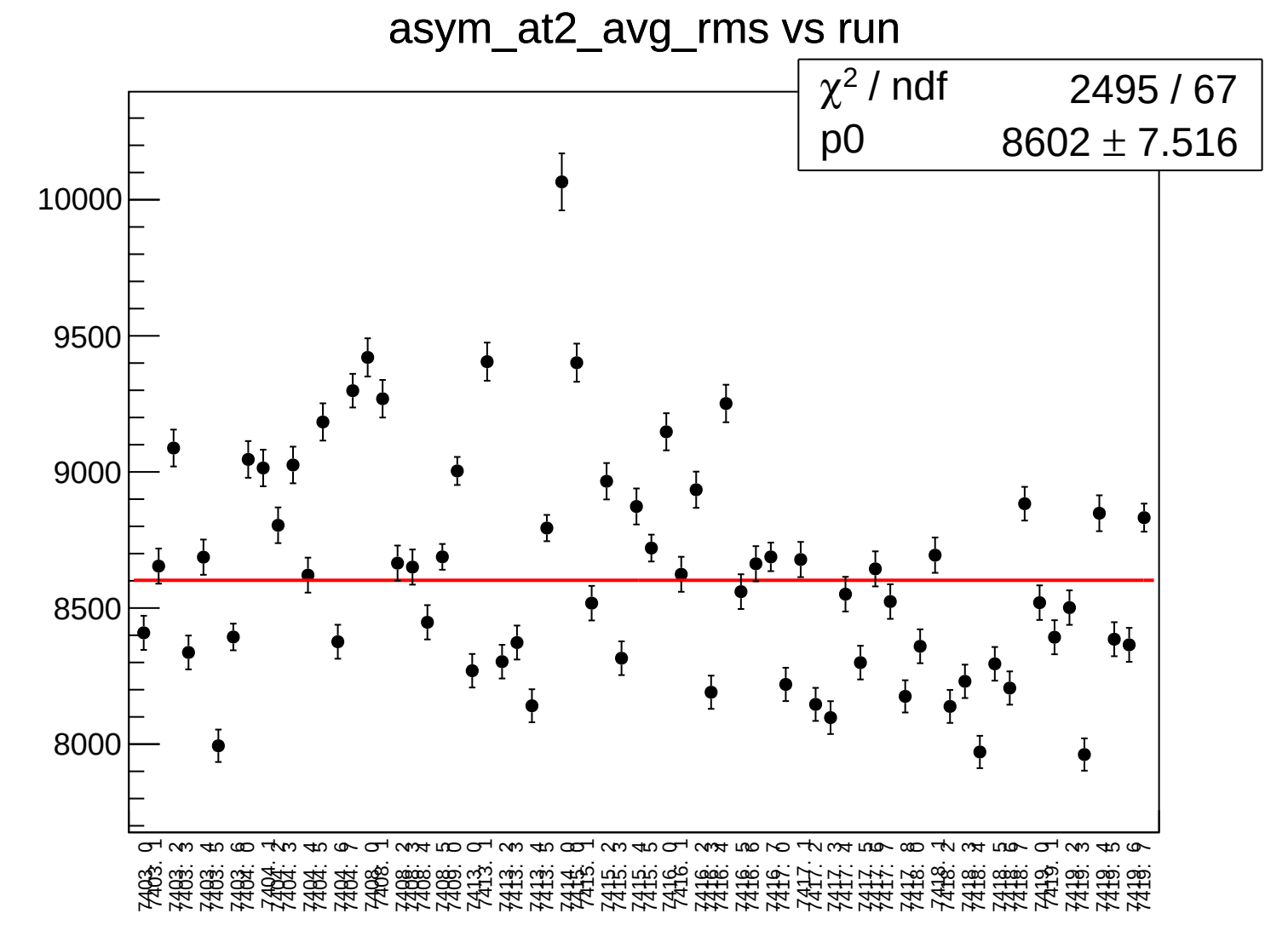

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 60.33 / 67
p0 2637 ± 1.056e+04
pull
Entries 68
Mean 174.1
Std Dev 167.5

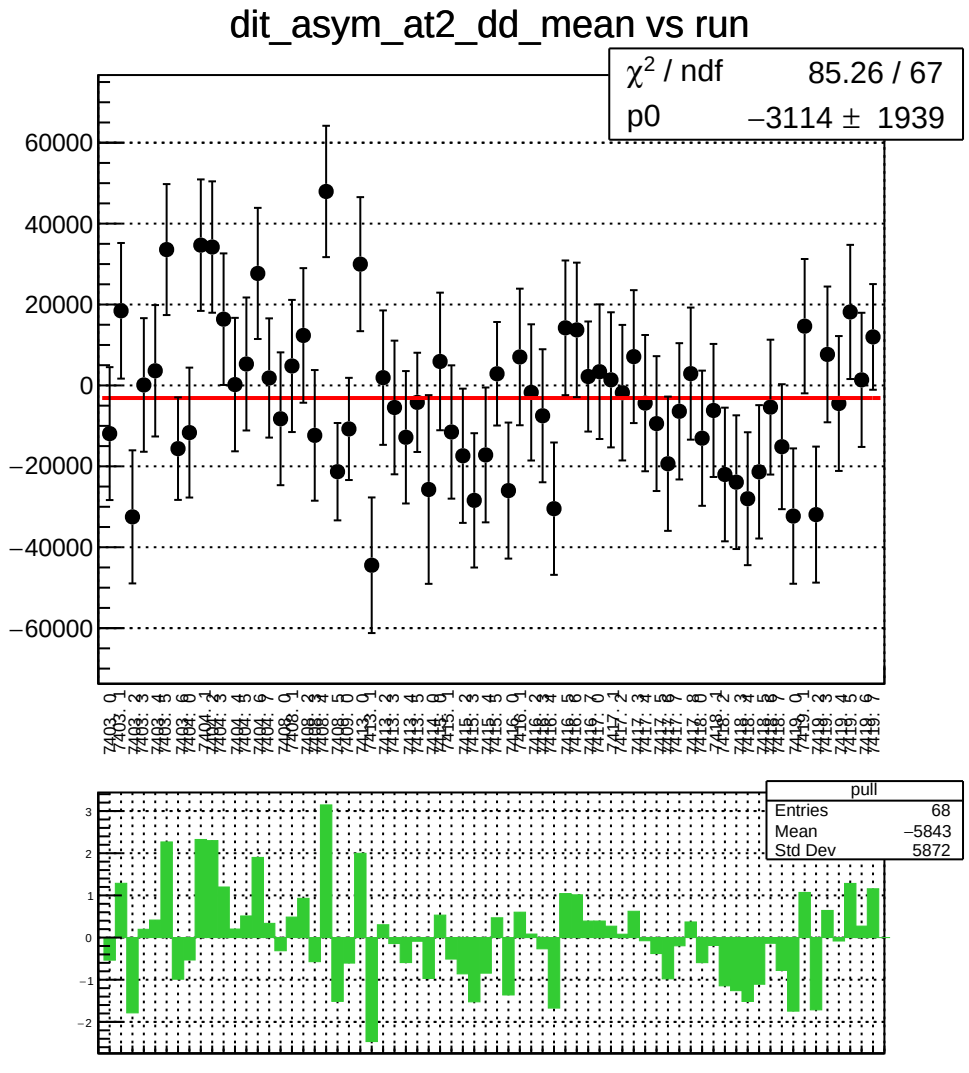

pull1D
Entries 68
Mean 0.009137
Std Dev 0.9418

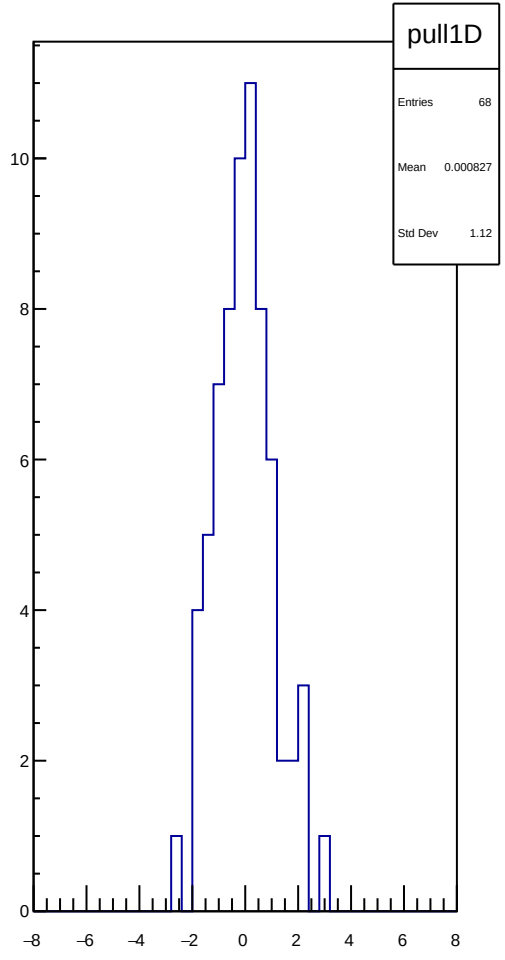

asym_at2_avg_correction_rms vs run
χ² / ndf 2833 / 67
p0 8541 ± 7.464
10000
9500
9000
8500
8000

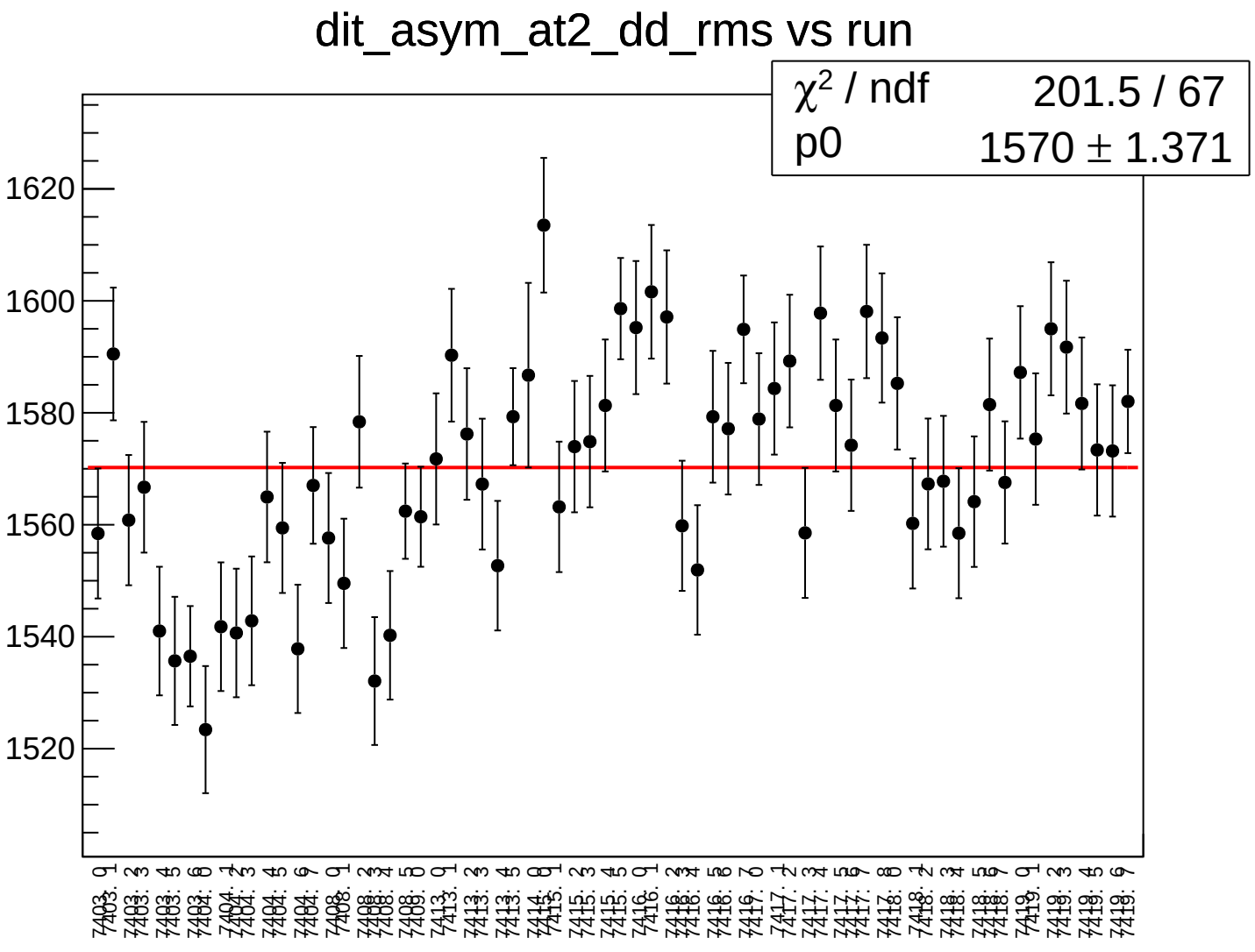

asym_at2_avg_mean vs run
×10^3
χ² / ndf 57.72 / 67
p0 −1148 ± 1.063e+04
pull
Entries 68
Mean 126.7
Std Dev 135.8

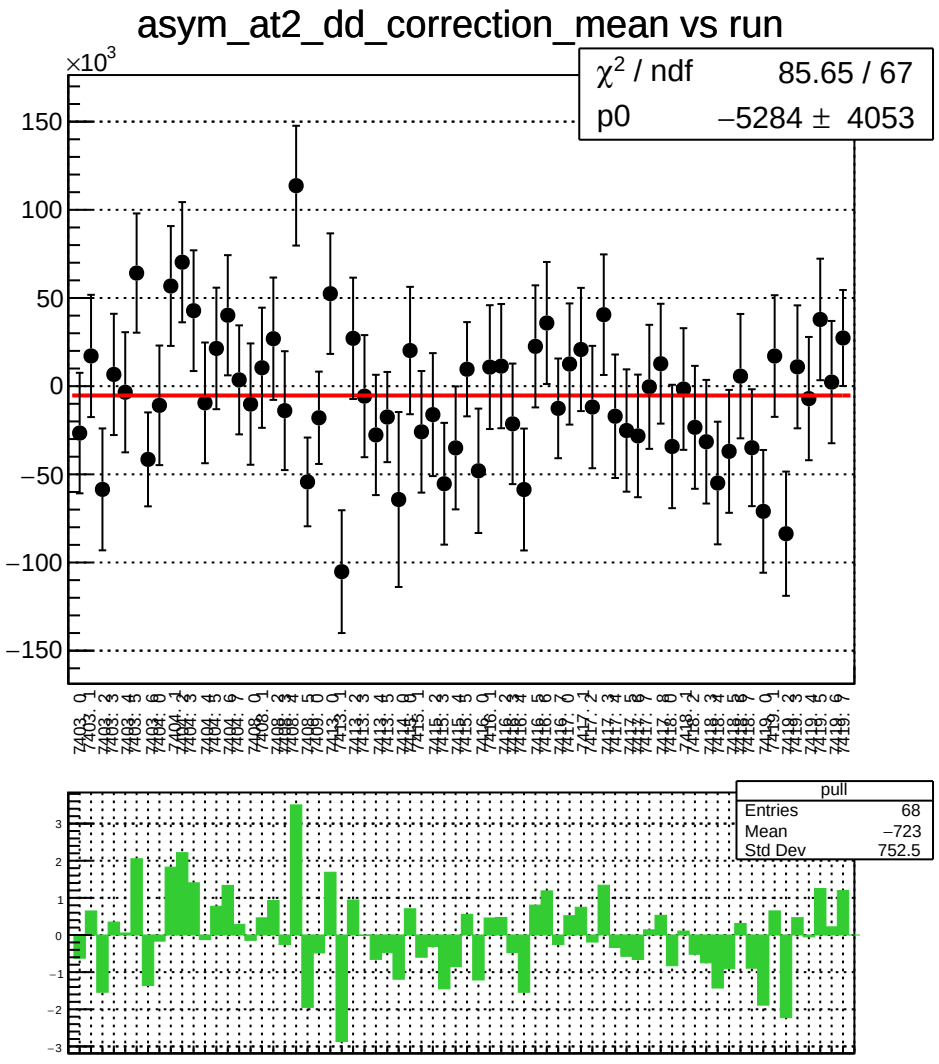

pull1D
Entries 68
Mean −0.00738
Std Dev 0.9213

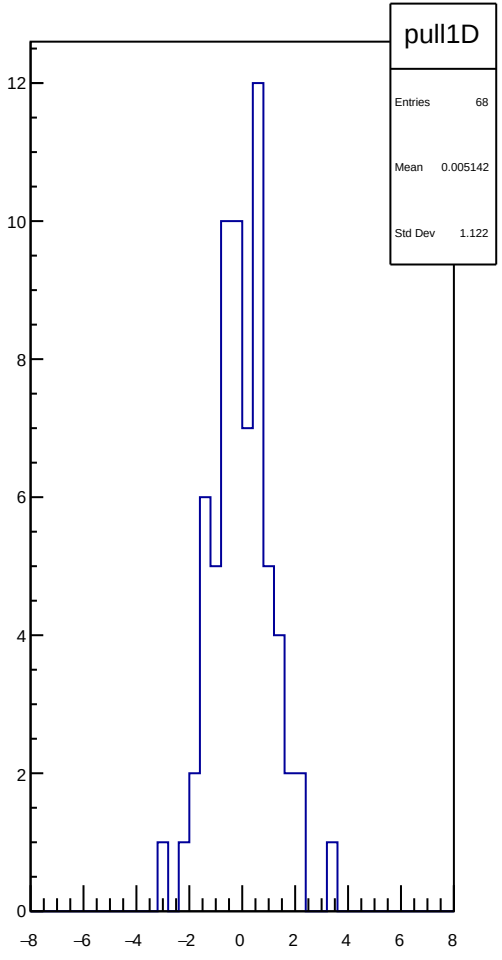

asym_at2_avg_rms vs run
χ² / ndf 2495 / 67
p0 8602 ± 7.516
10000
9500
9000
8500
8000

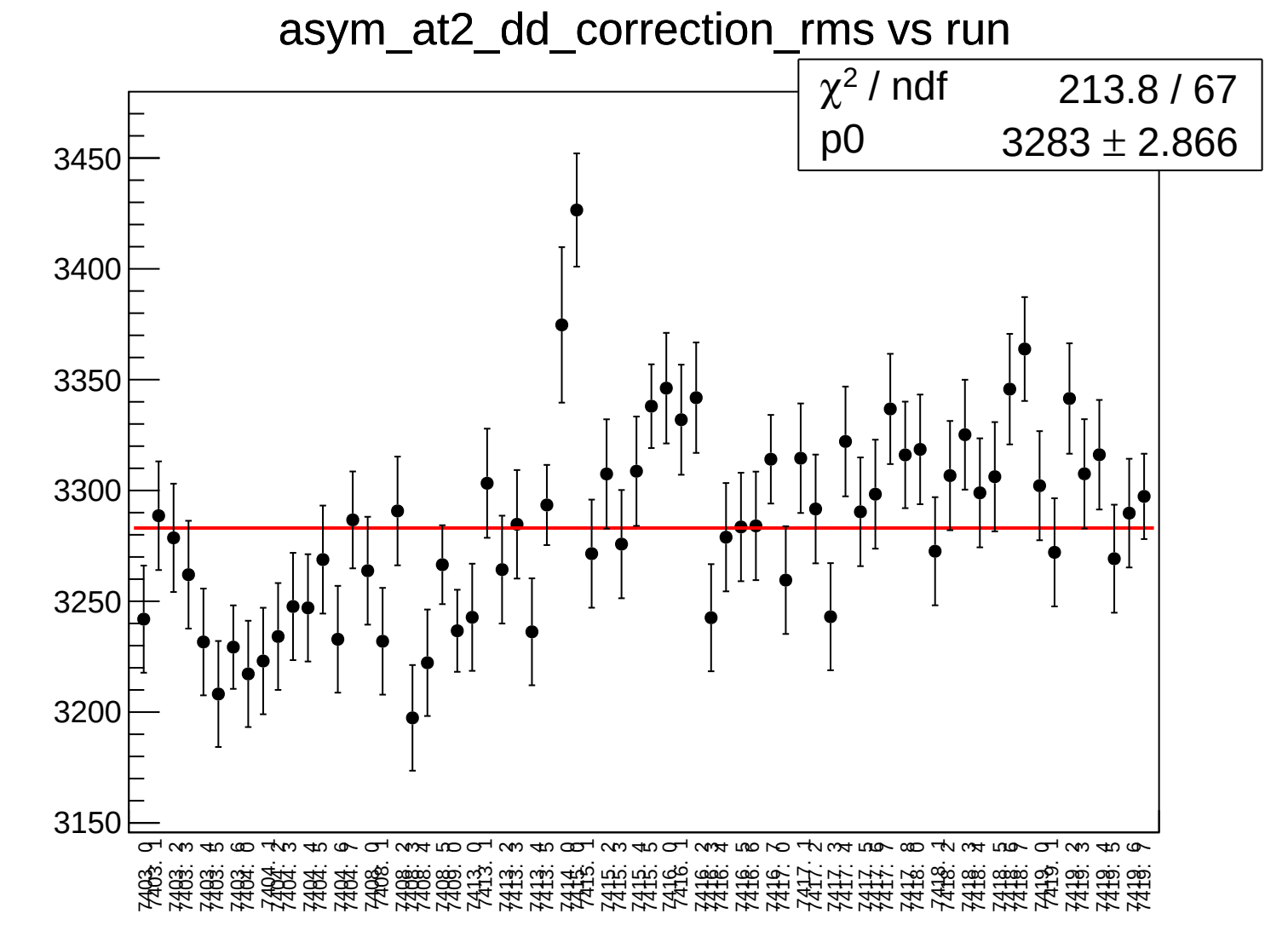

dit_asym_at2_dd_mean vs run
χ² / ndf 85.26 / 67
p0 −3114 ± 1939
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean −5843
Std Dev 5872
3
2
1
0
−1
−2

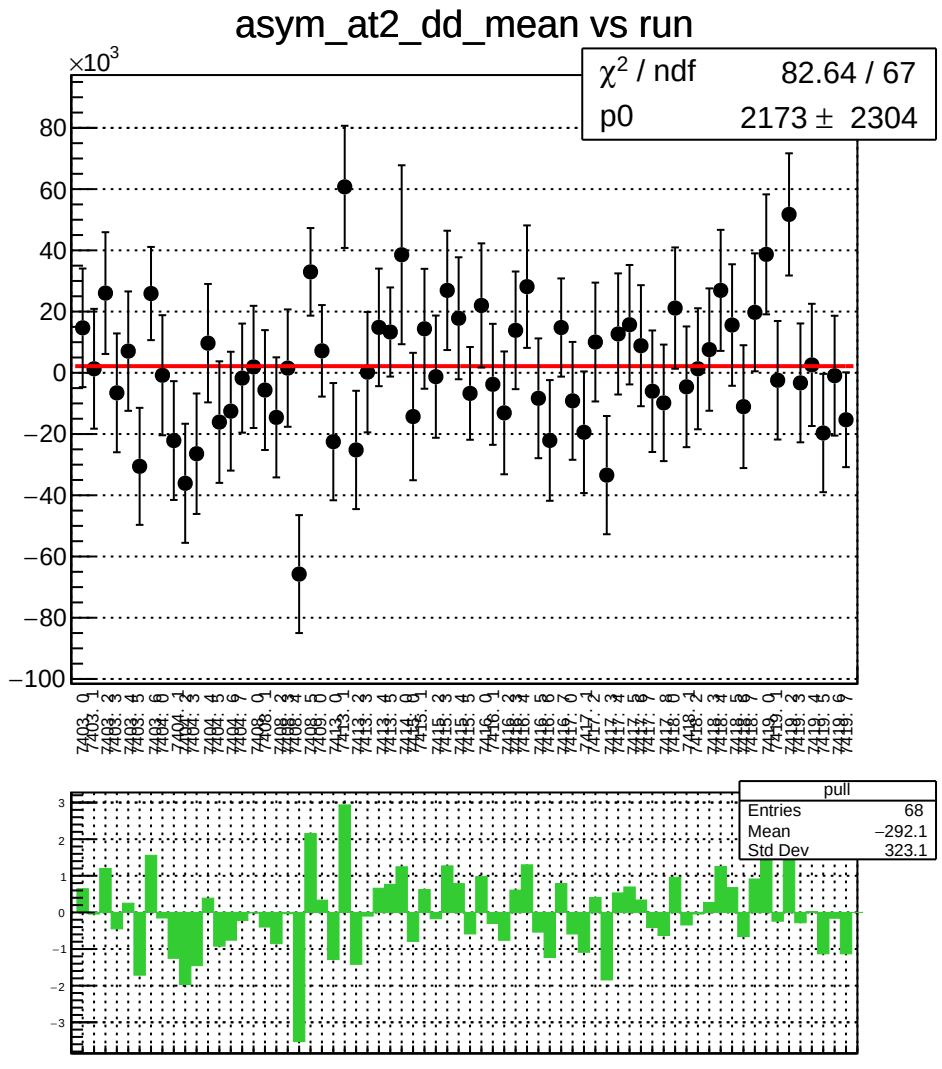

pull1D
Entries 68
Mean 0.000827
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

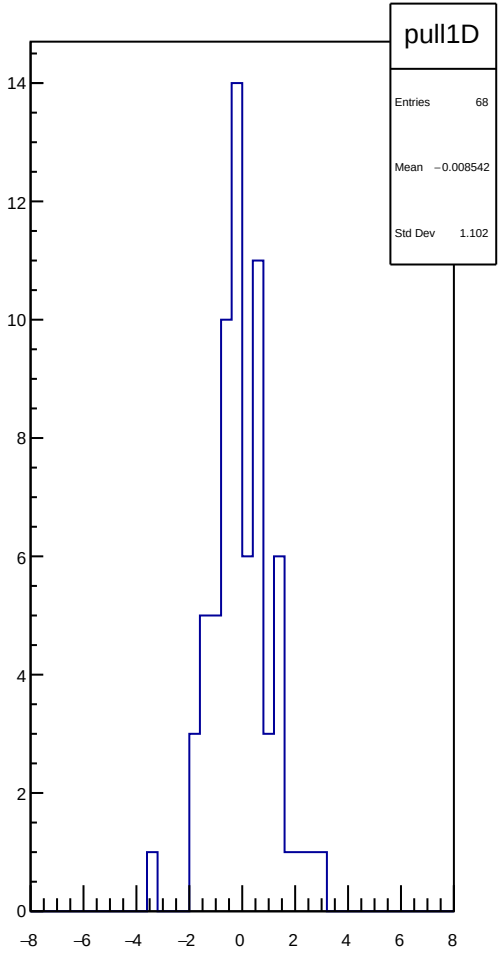

dit_asym_at2_dd_rms vs run
χ² / ndf 201.5 / 67
p0 1570 ± 1.371
1620
1600
1580
1560
1540
1520

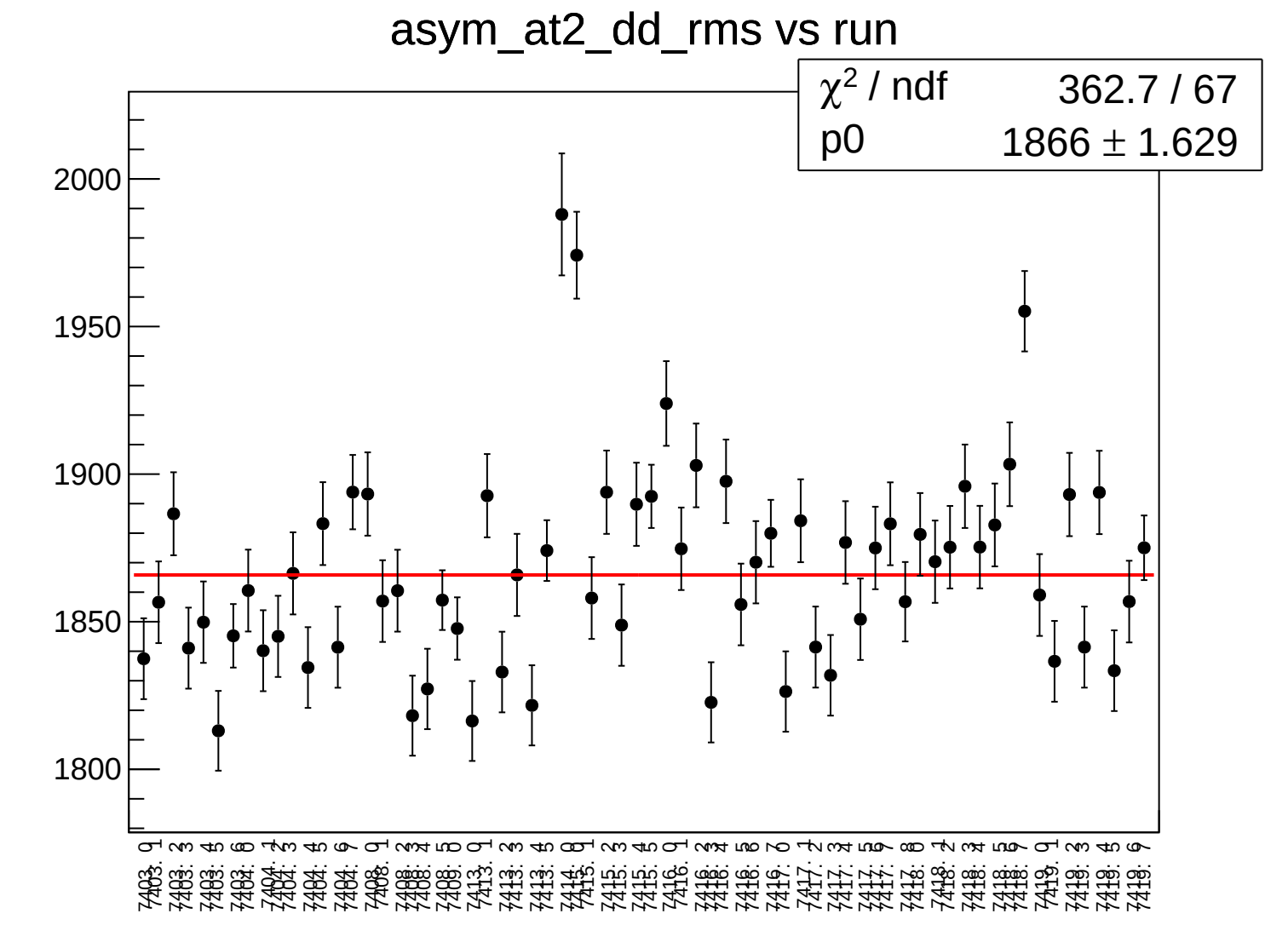

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 85.65 / 67
p0 −5284 ± 4053
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean −723
Std Dev 752.5
3
2
1
0
−1
−2
−3

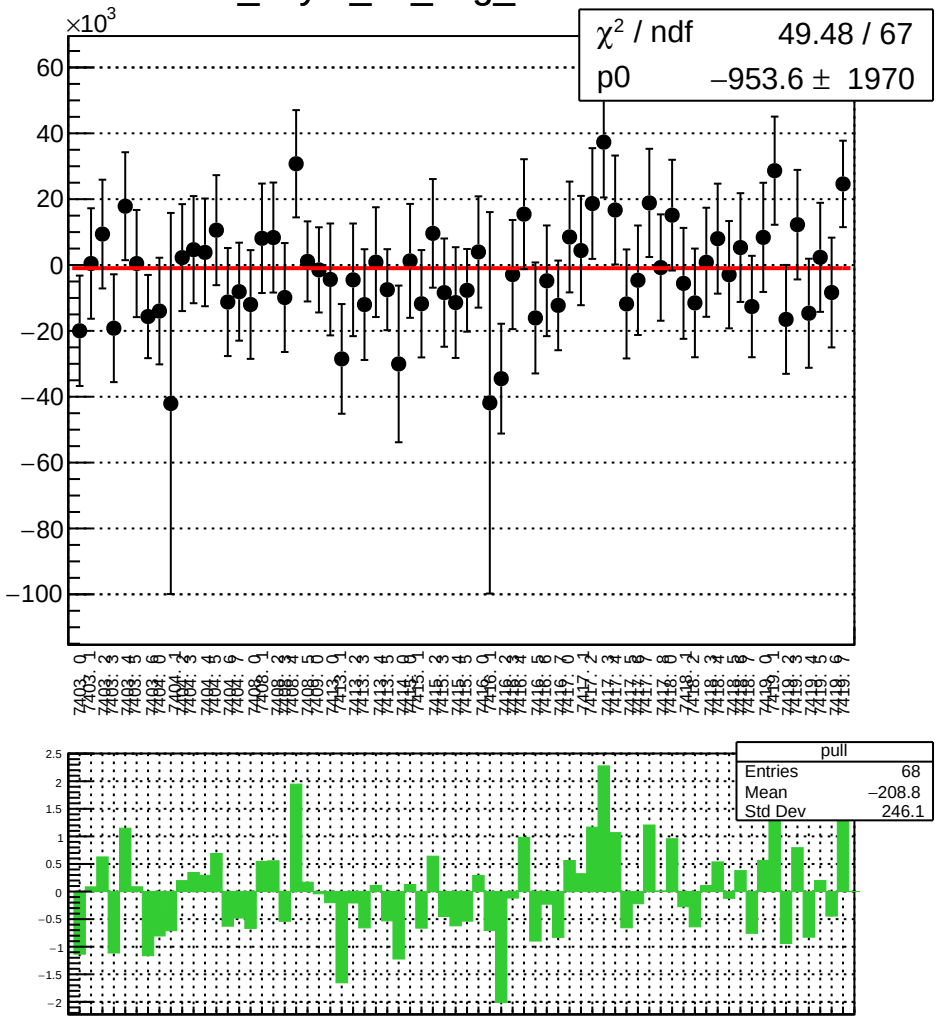

pull1D
Entries 68
Mean 0.005142
Std Dev 1.122
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

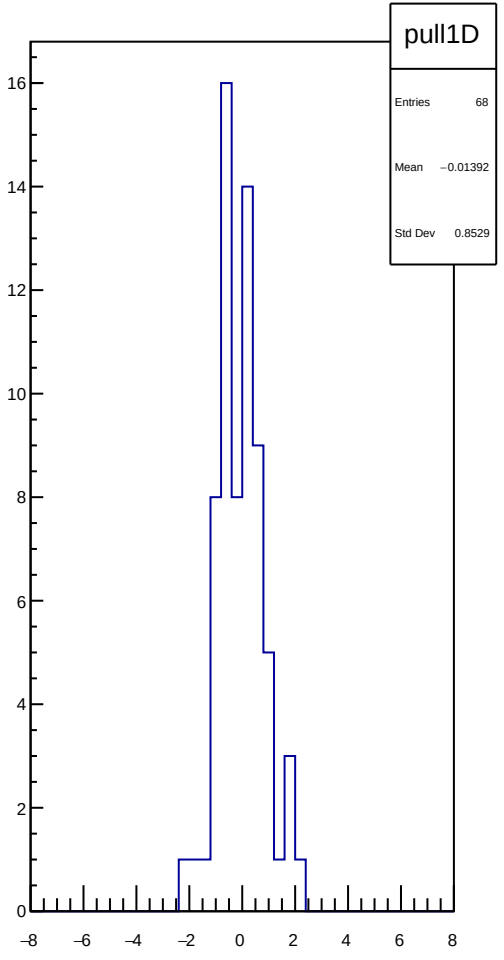

asym_at2_dd_correction_rms vs run
χ² / ndf 213.8 / 67
p0 3283 ± 2.866
3450
3400
3350
3300
3250
3200
3150

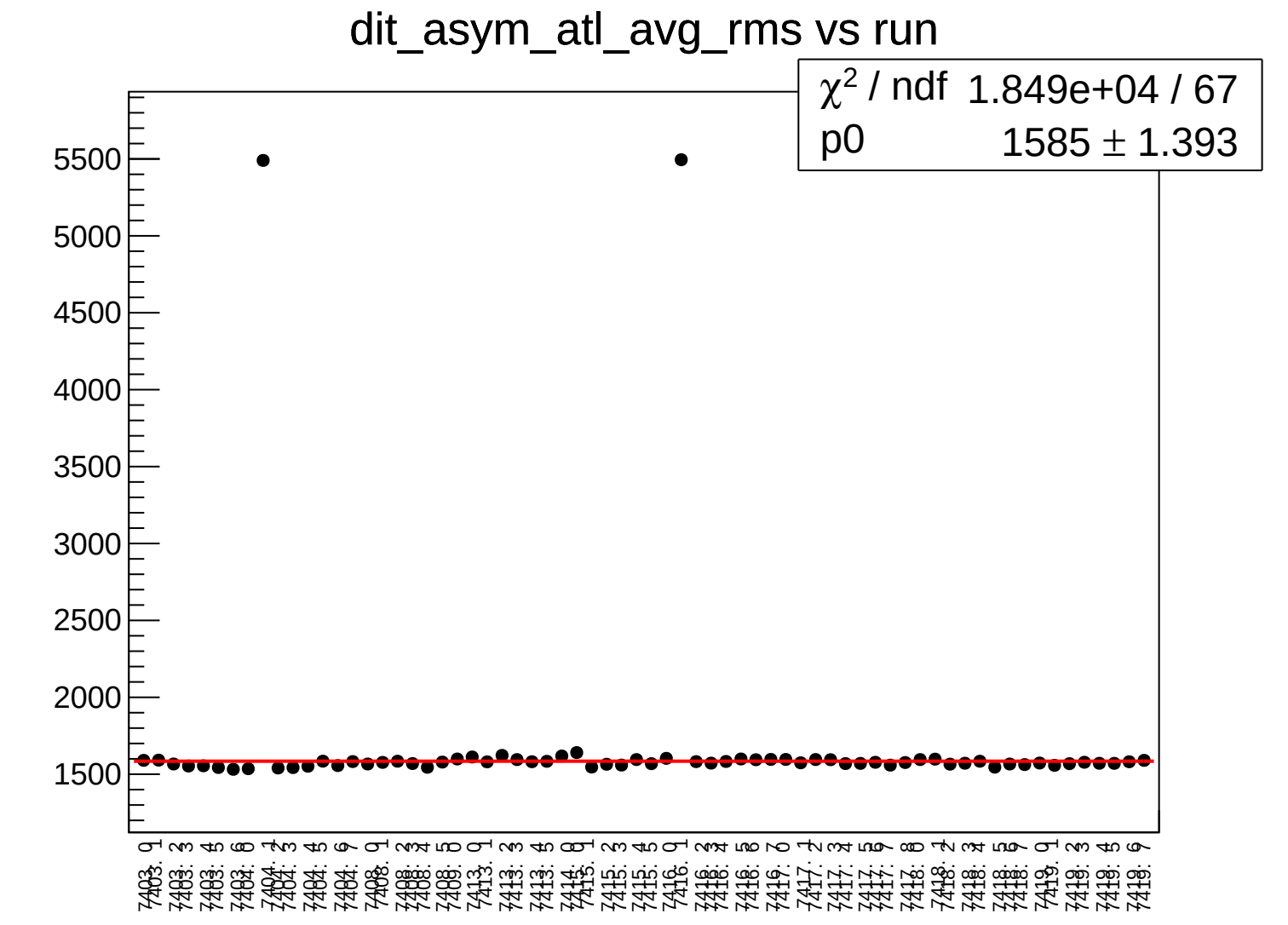

asym_at2_dd_mean vs run
×10^3
χ² / ndf 82.64 / 67
p0 2173 ± 2304
pull
Entries 68
Mean −292.1
Std Dev 323.1

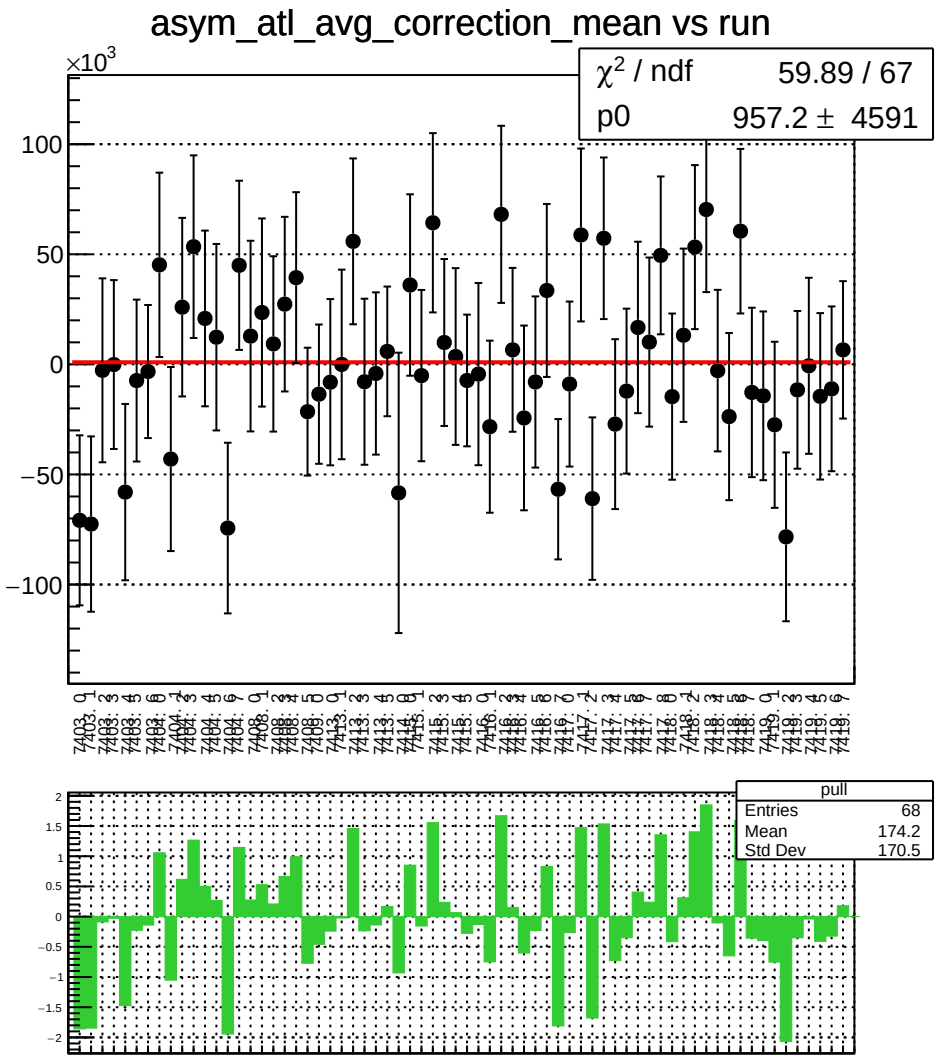

pull1D
Entries 68
Mean −0.008542
Std Dev 1.102

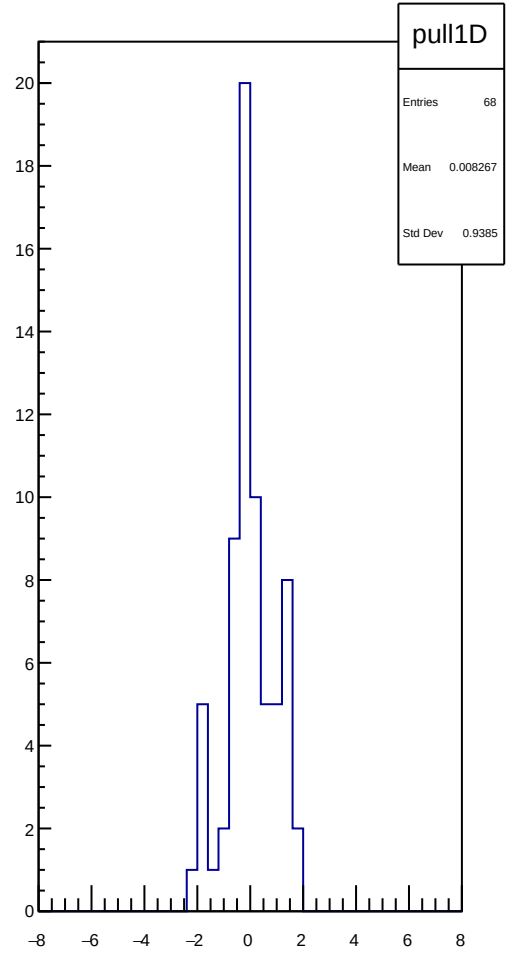

asym_at2_dd_rms vs run
χ² / ndf 362.7 / 67
p0 1866 ± 1.629
2000
1950
1900
1850
1800

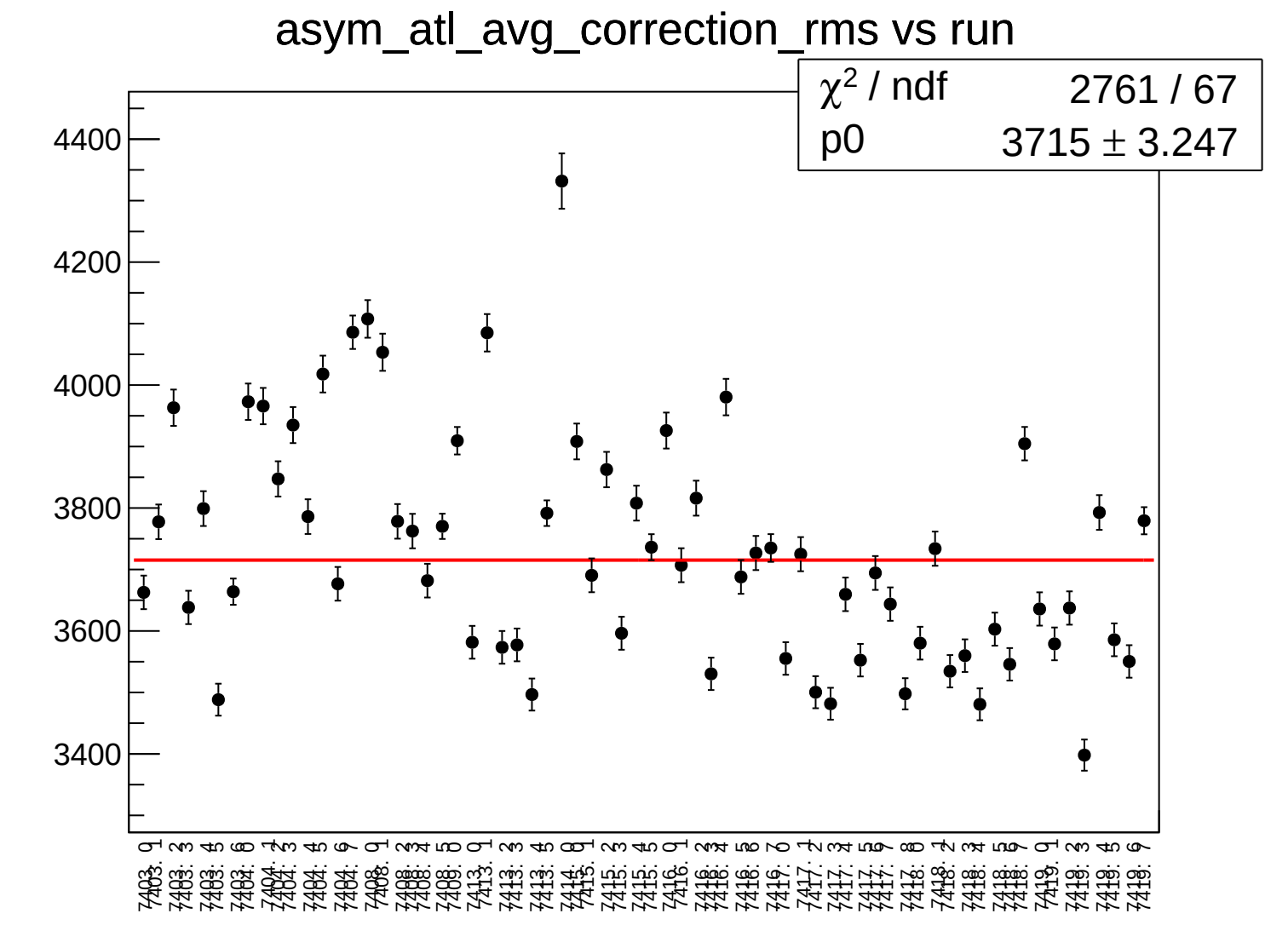

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 49.48 / 67
p0 −953.6 ± 1970
pull
Entries 68
Mean −208.8
Std Dev 246.1

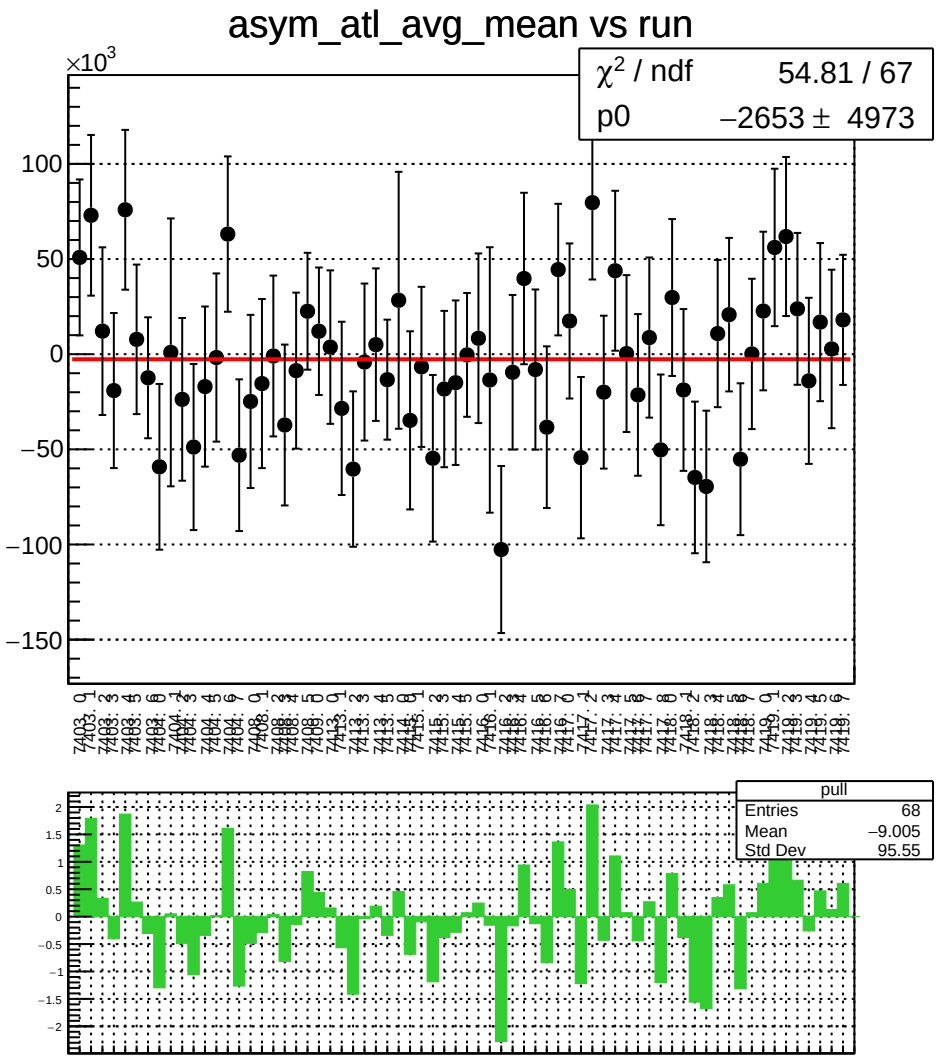

pull1D
Entries 68
Mean −0.01392
Std Dev 0.8529

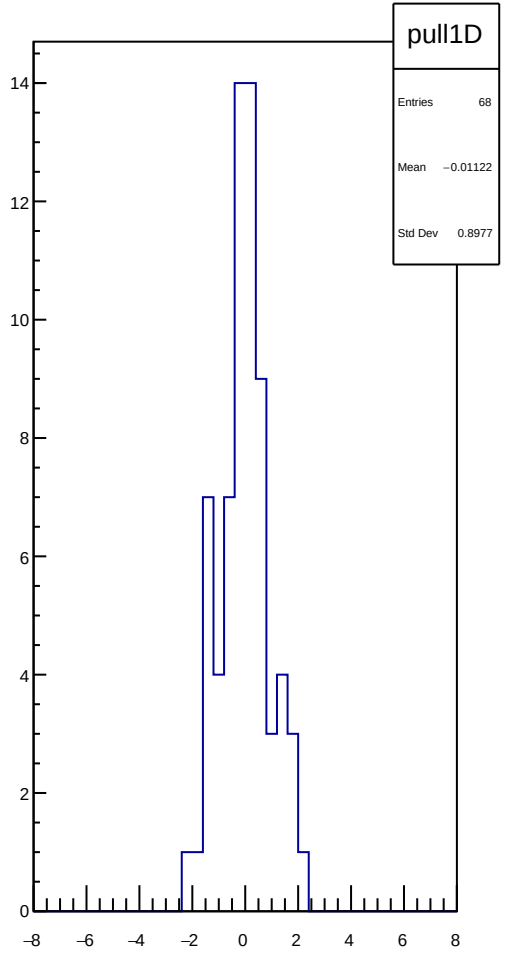

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.849e+04 / 67
p0 1585 ± 1.393
5500
5000
4500
4000
3500
3000
2500
2000
1500

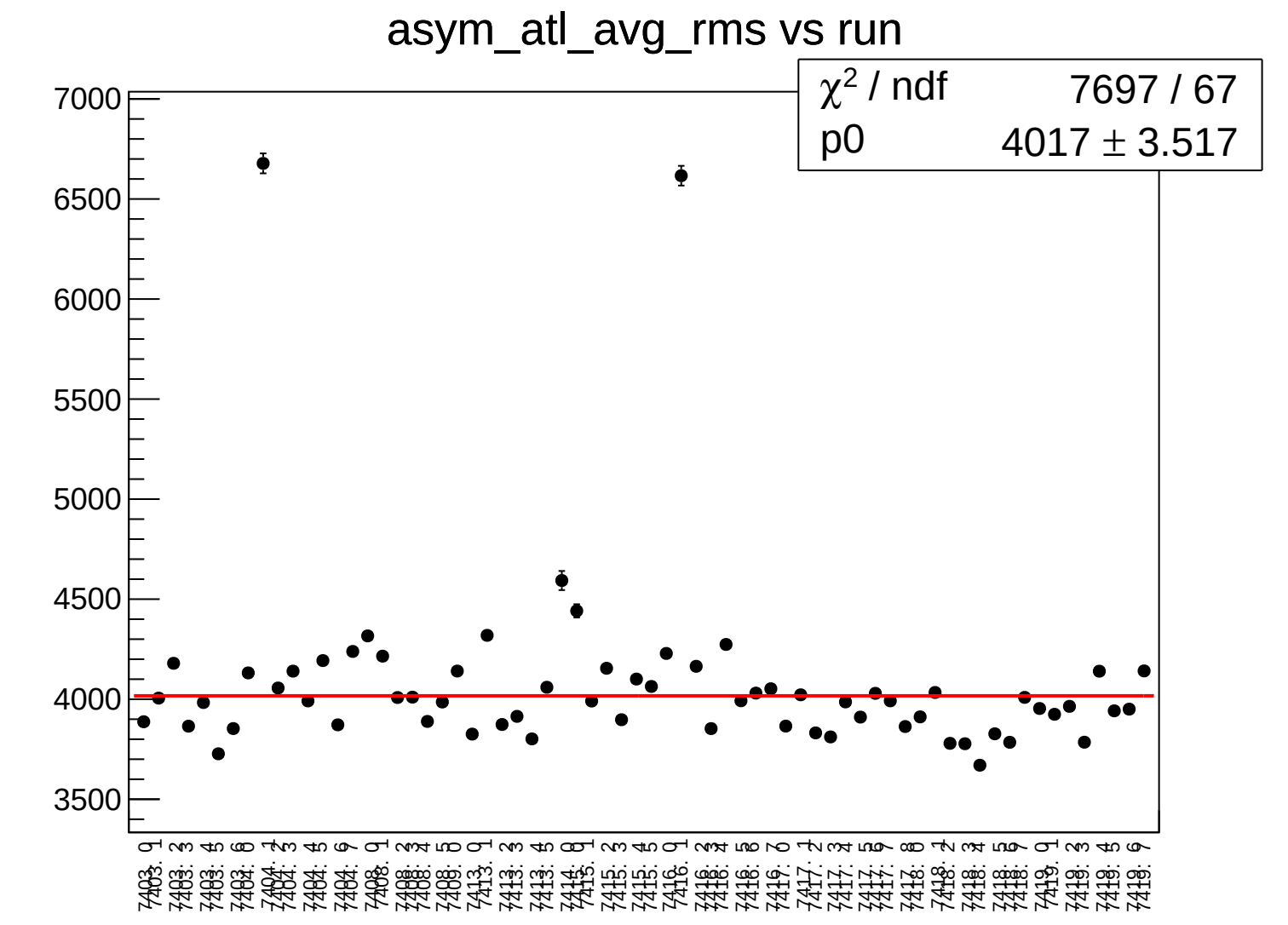

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 59.89 / 67
p0 957.2 ± 4591
100
50
0
−50
−100
pull
Entries 68
Mean 174.2
Std Dev 170.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

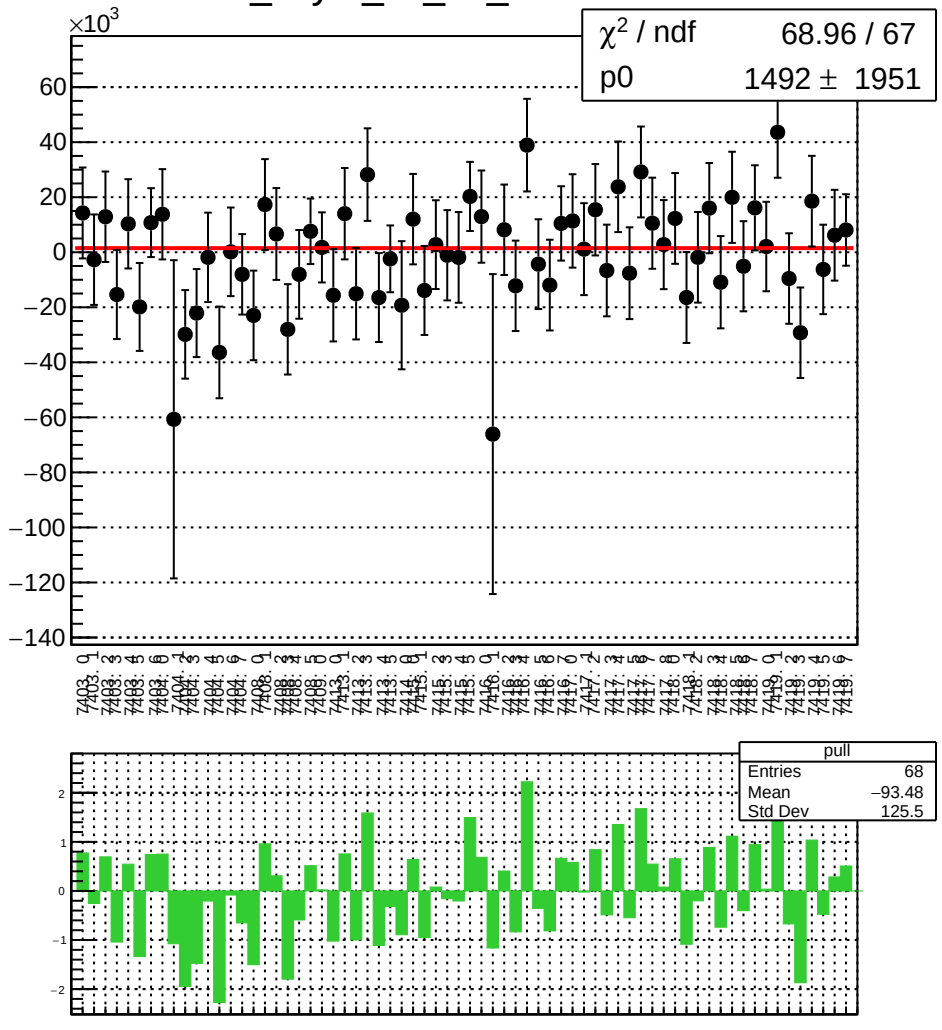

pull1D
Entries 68
Mean 0.008267
Std Dev 0.9385
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

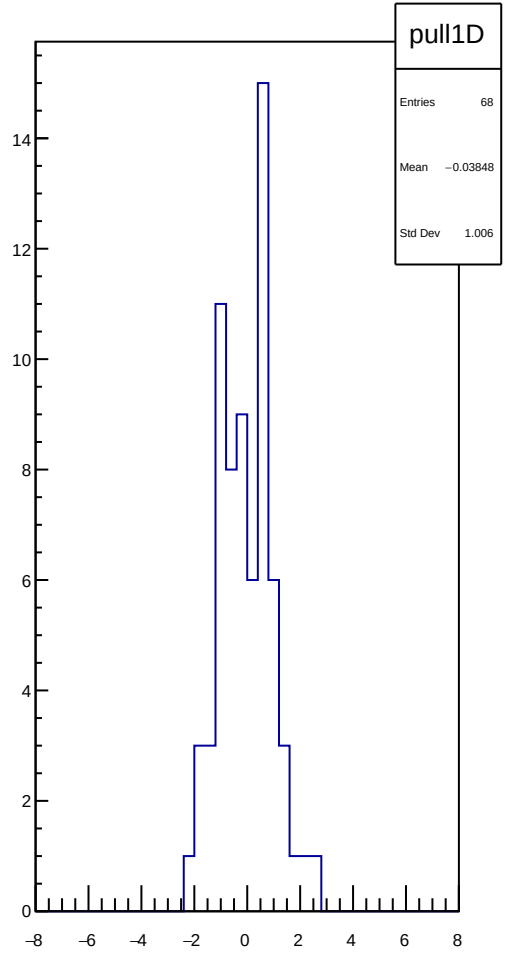

asym_atl_avg_correction_rms vs run
χ² / ndf 2761 / 67
p0 3715 ± 3.247
4400
4200
4000
3800
3600
3400

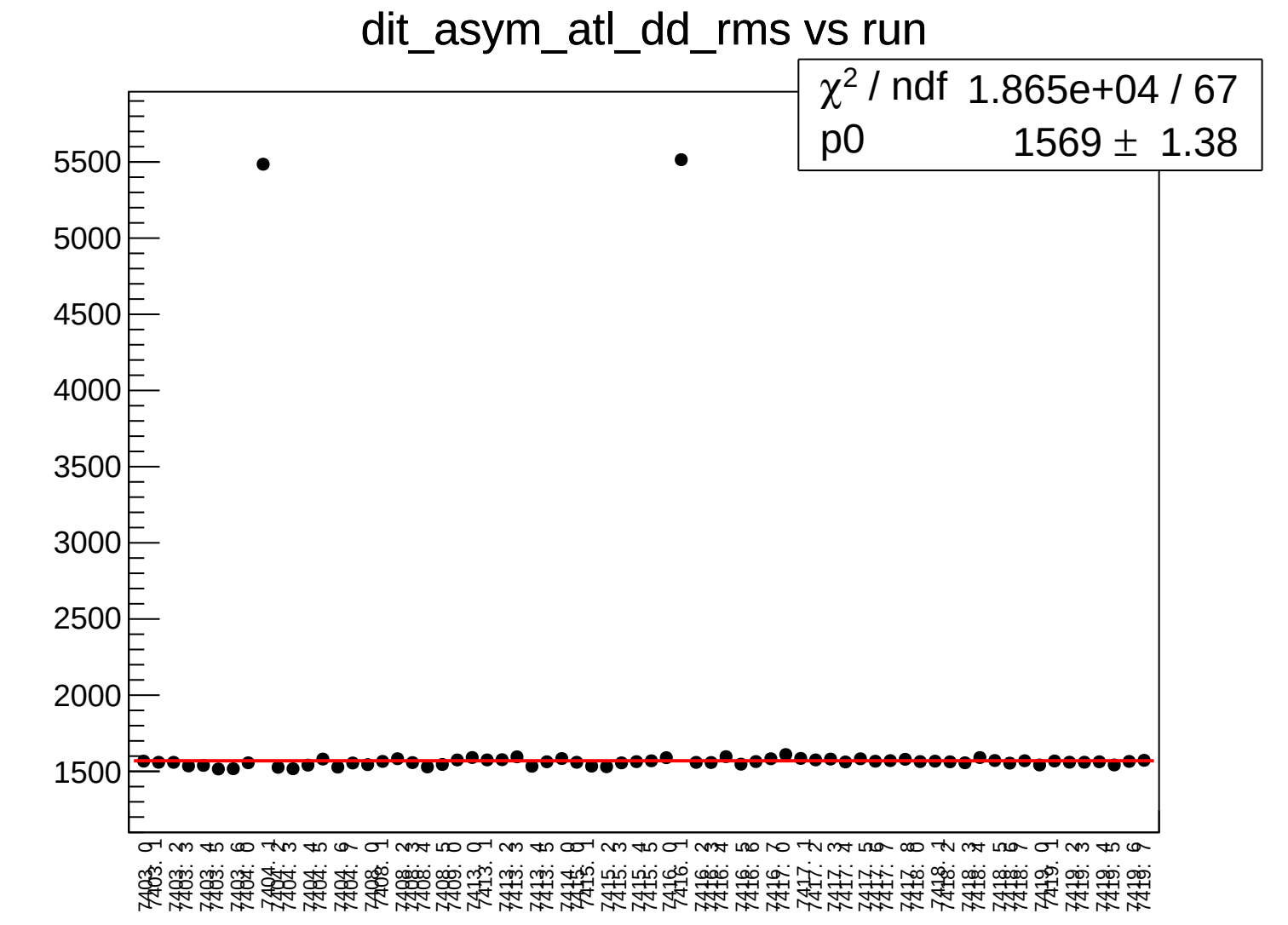

asym_atl_avg_mean vs run
×10^3
χ² / ndf 54.81 / 67
p0 −2653 ± 4973
100
50
0
−50
−100
−150
pull
Entries 68
Mean −9.005
Std Dev 95.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

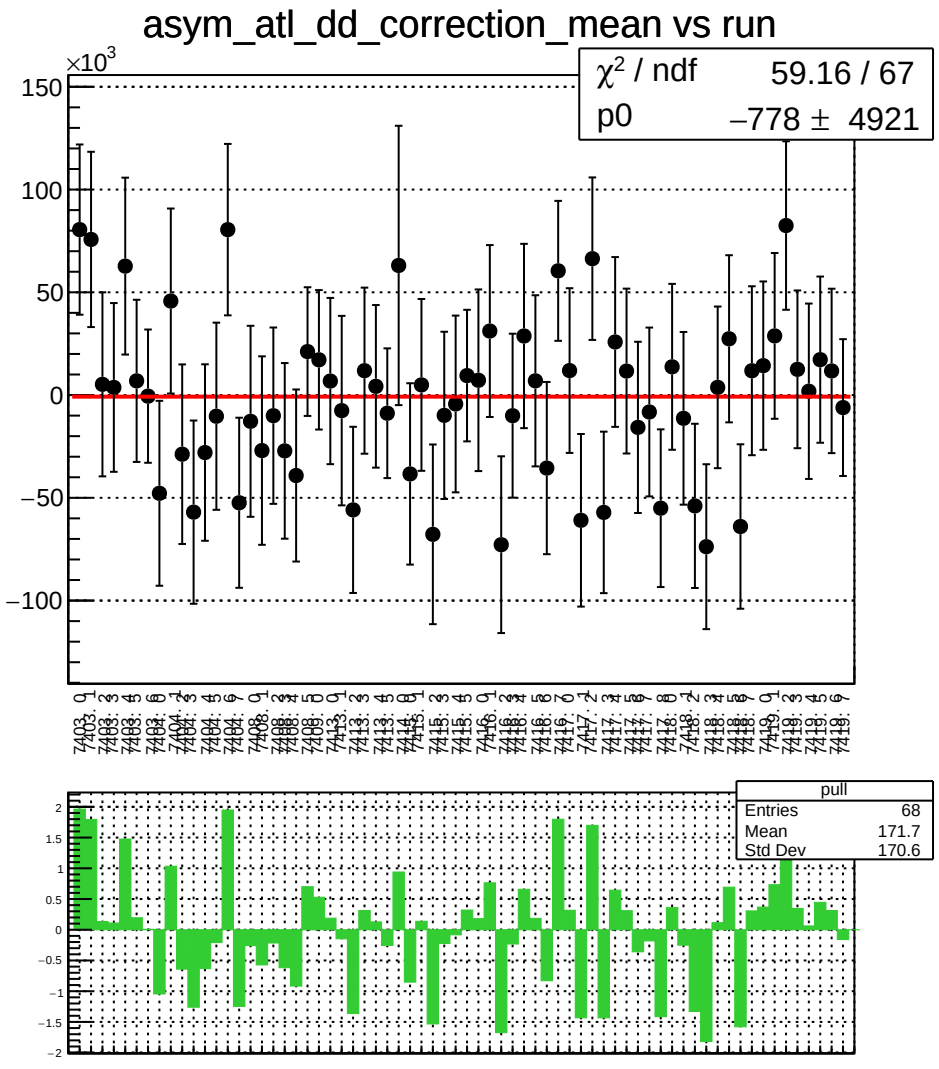

pull1D
Entries 68
Mean −0.01122
Std Dev 0.8977
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

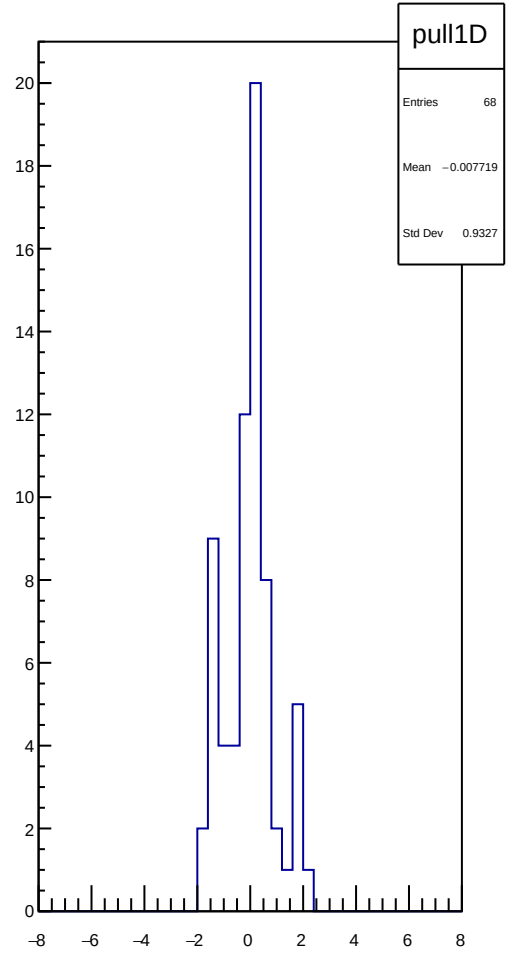

asym_atl_avg_rms vs run
χ^2 / ndf 7697 / 67
p0 4017 ± 3.517
7000
6500
6000
5500
5000
4500
4000
3500

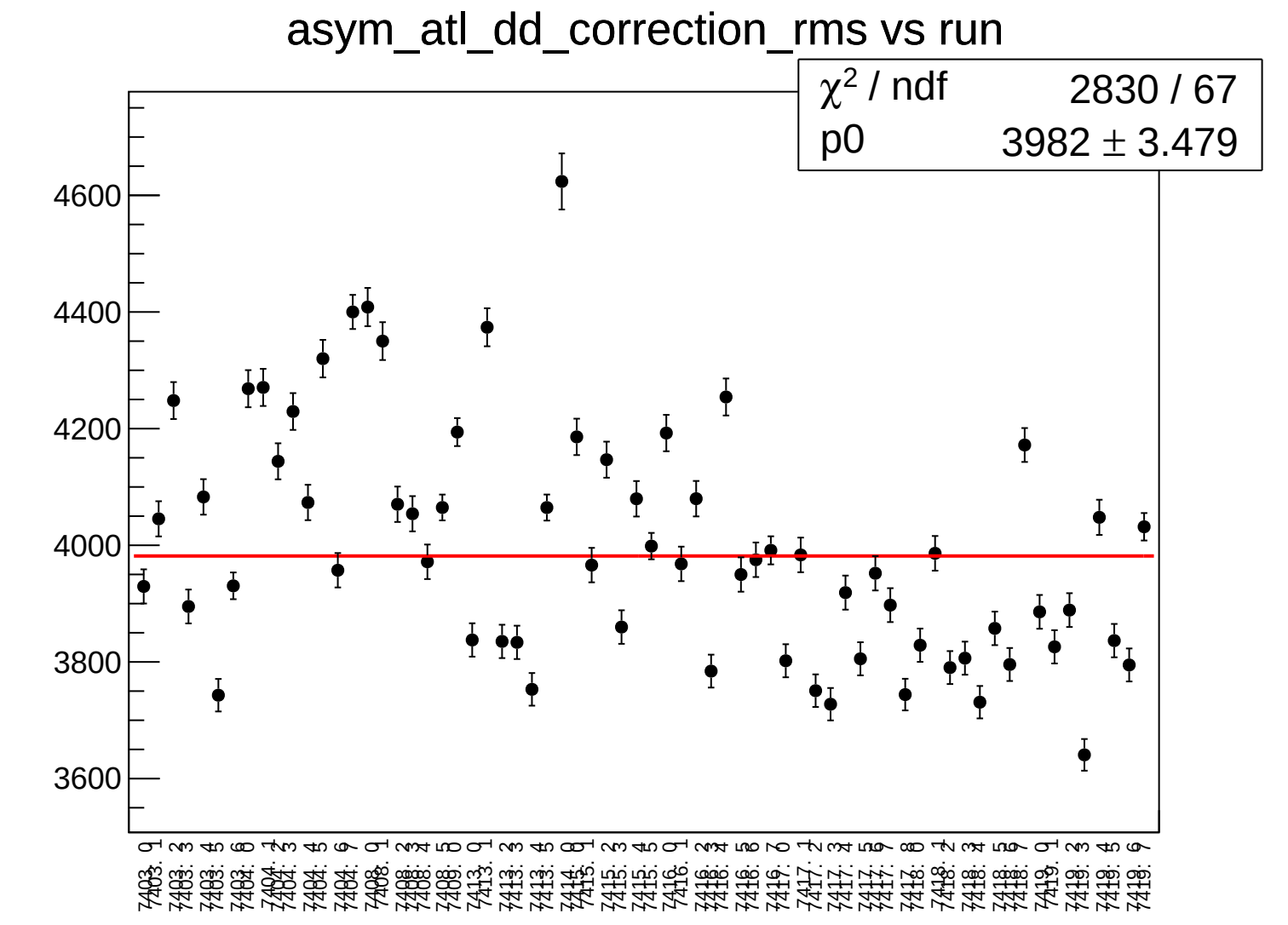

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 68.96 / 67
p0 1492 ± 1951
pull
Entries 68
Mean −93.48
Std Dev 125.5

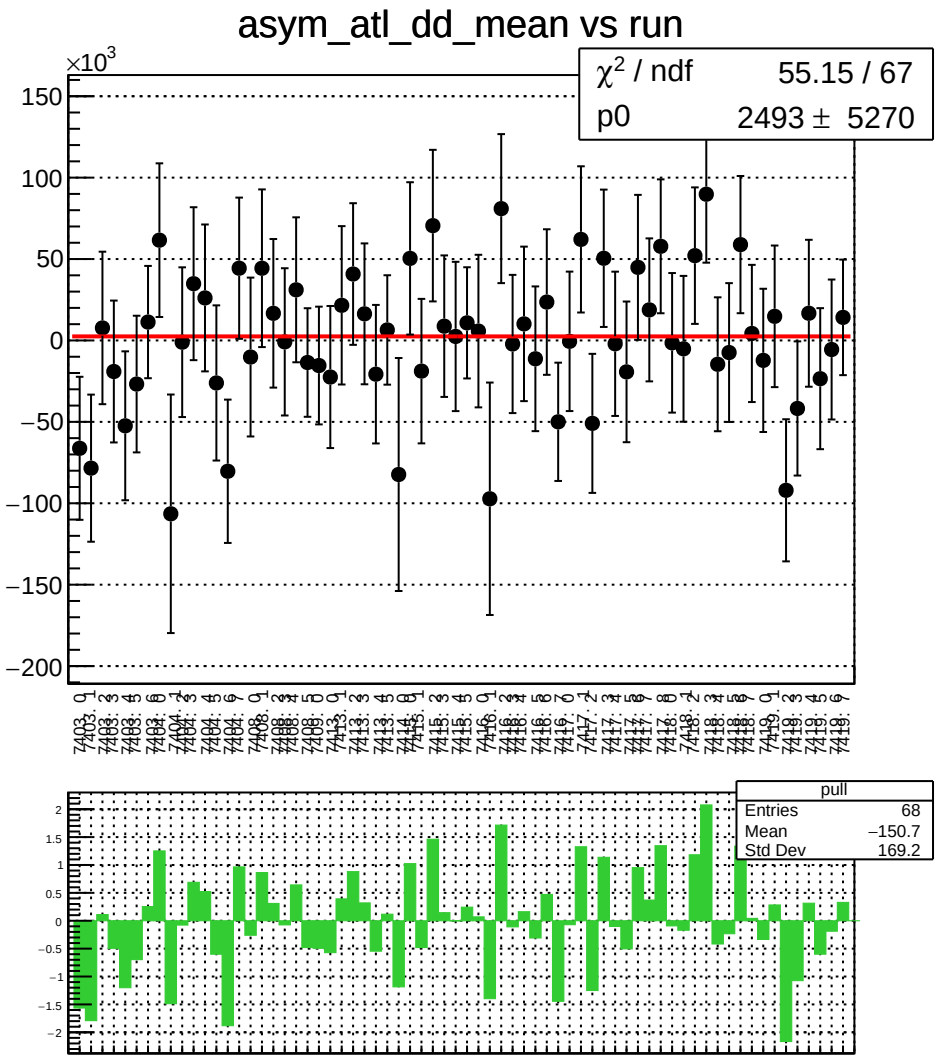

pull1D
Entries 68
Mean −0.03848
Std Dev 1.006

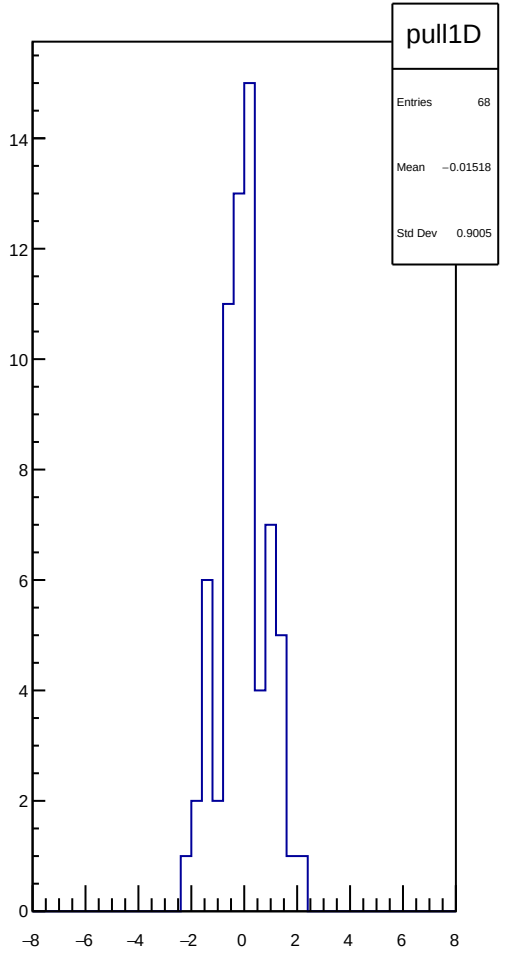

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1.865e+04 / 67
p0 1569 ± 1.38
5500
5000
4500
4000
3500
3000
2500
2000
1500

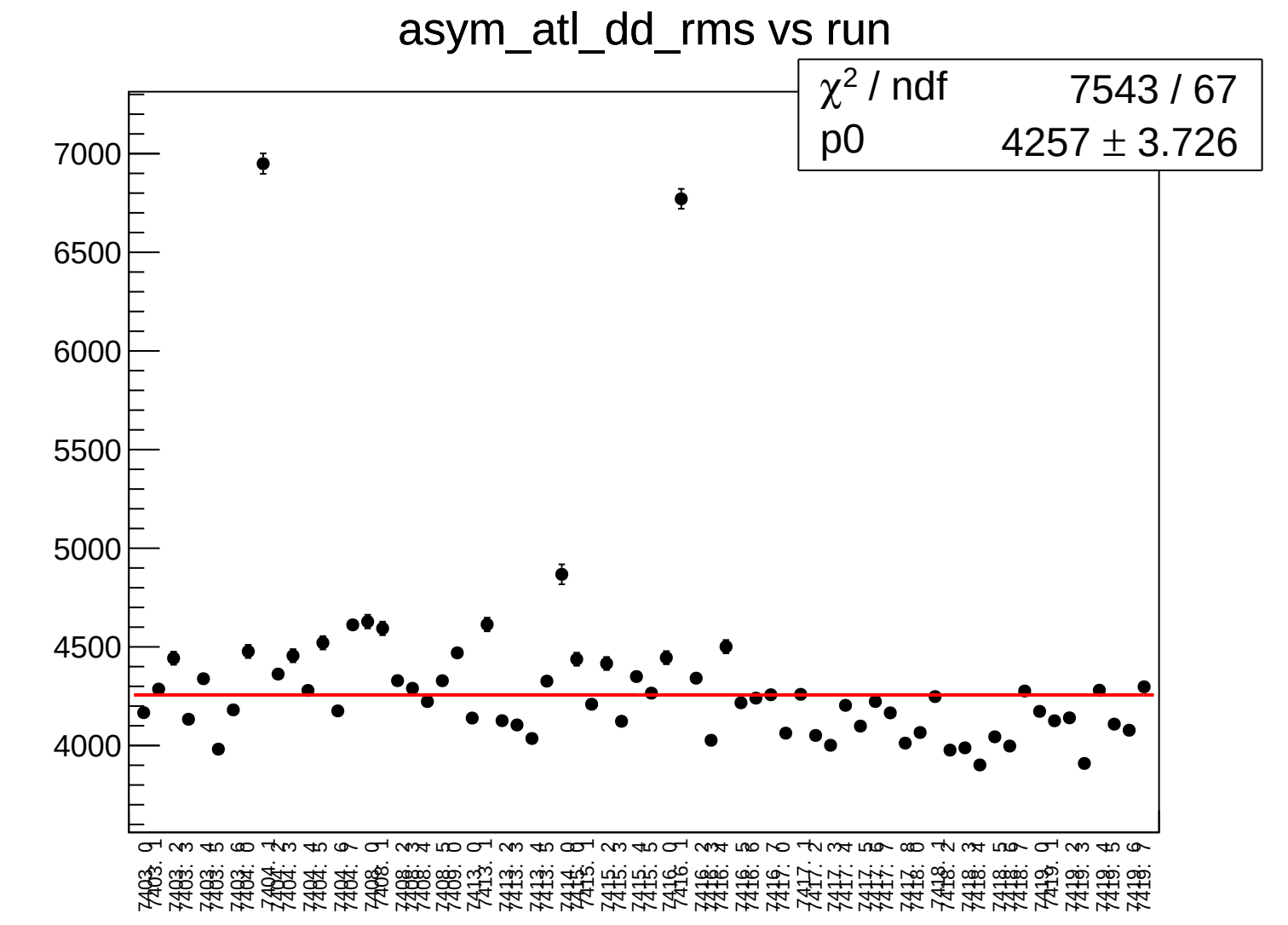

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 59.16 / 67
p0 −778 ± 4921
150
100
50
0
−50
−100
pull
Entries 68
Mean 171.7
Std Dev 170.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

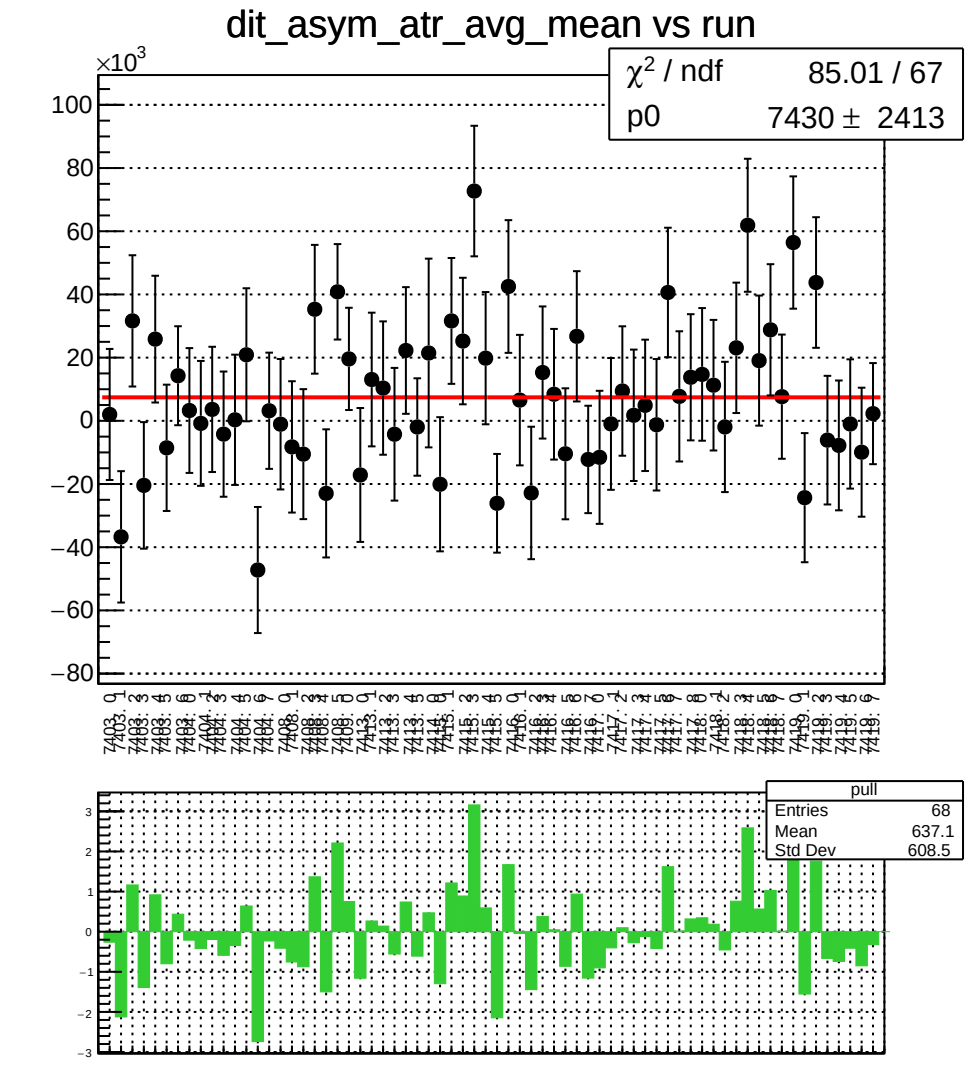

pull1D
Entries 68
Mean −0.007719
Std Dev 0.9327
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

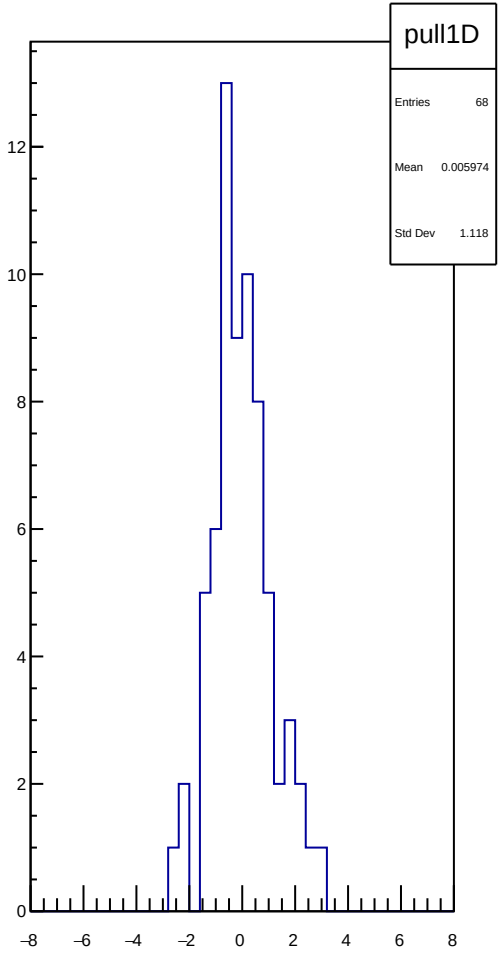

asym_atl_dd_correction_rms vs run
χ² / ndf 2830 / 67
p0 3982 ± 3.479
4600
4400
4200
4000
3800
3600

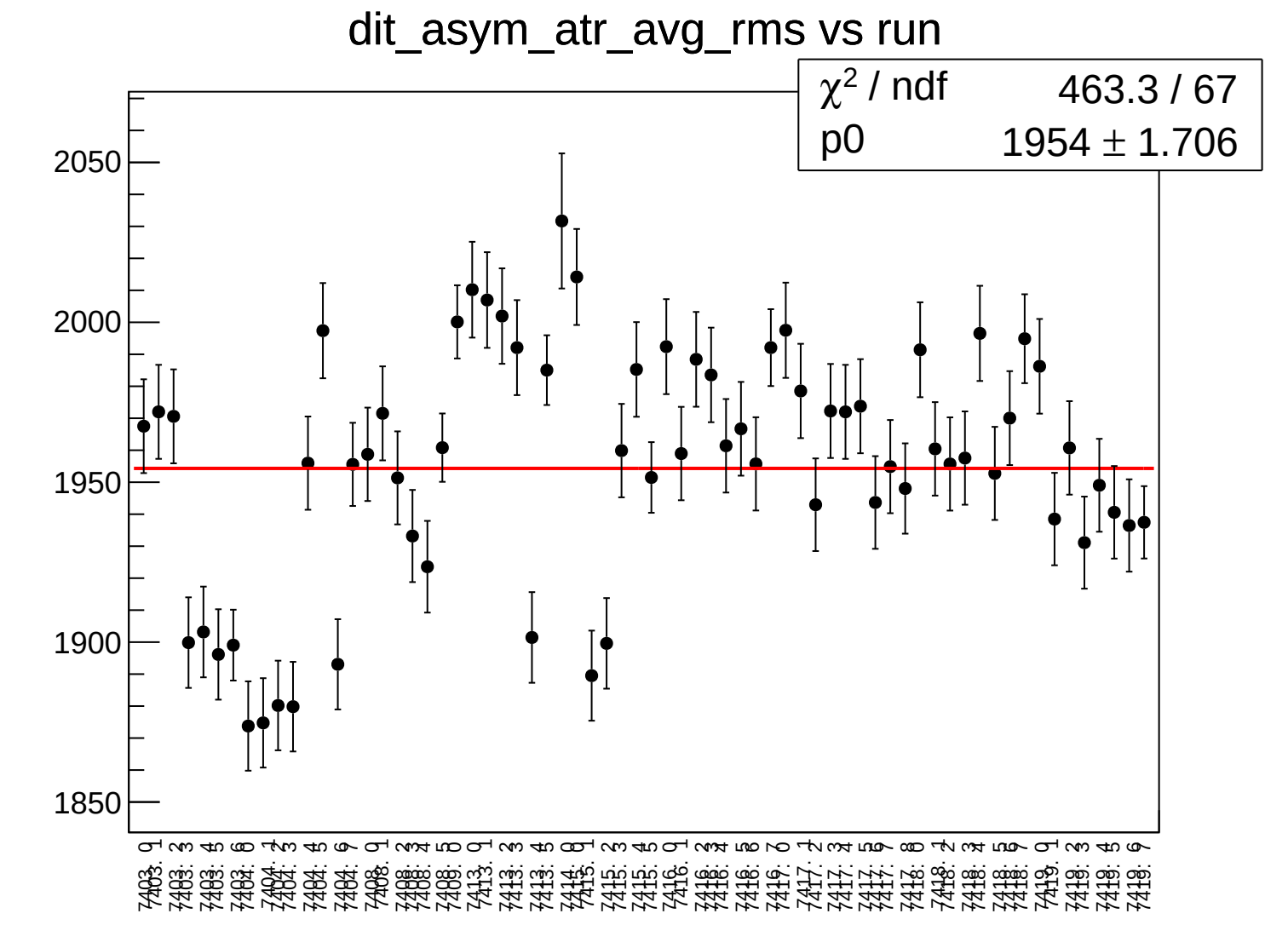

asym_atl_dd_mean vs run
×10^3
χ² / ndf 55.15 / 67
p0 2493 ± 5270
150
100
50
0
−50
−100
−150
−200
pull
Entries 68
Mean −150.7
Std Dev 169.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

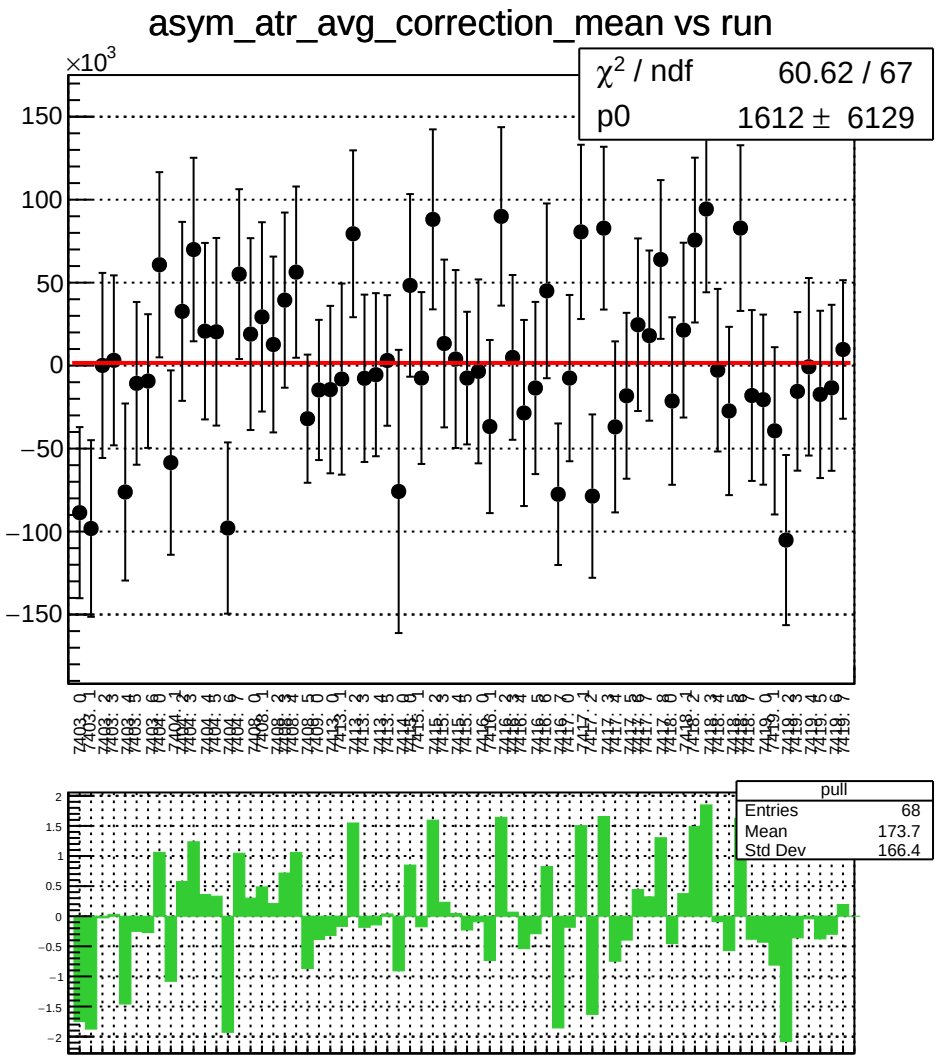

pull1D
Entries 68
Mean −0.01518
Std Dev 0.9005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

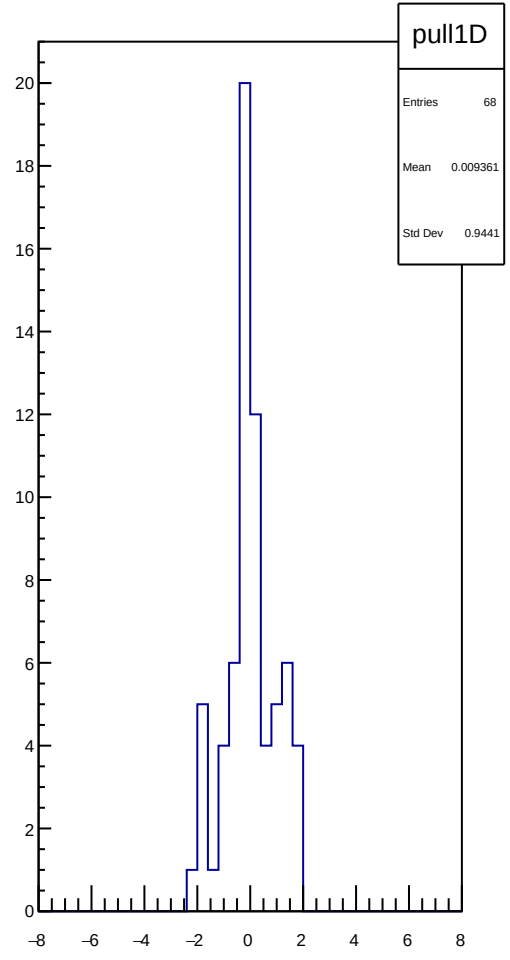

asym_atl_dd_rms vs run
χ^2 / ndf 7543 / 67
p0 4257 ± 3.726
7000
6500
6000
5500
5000
4500
4000

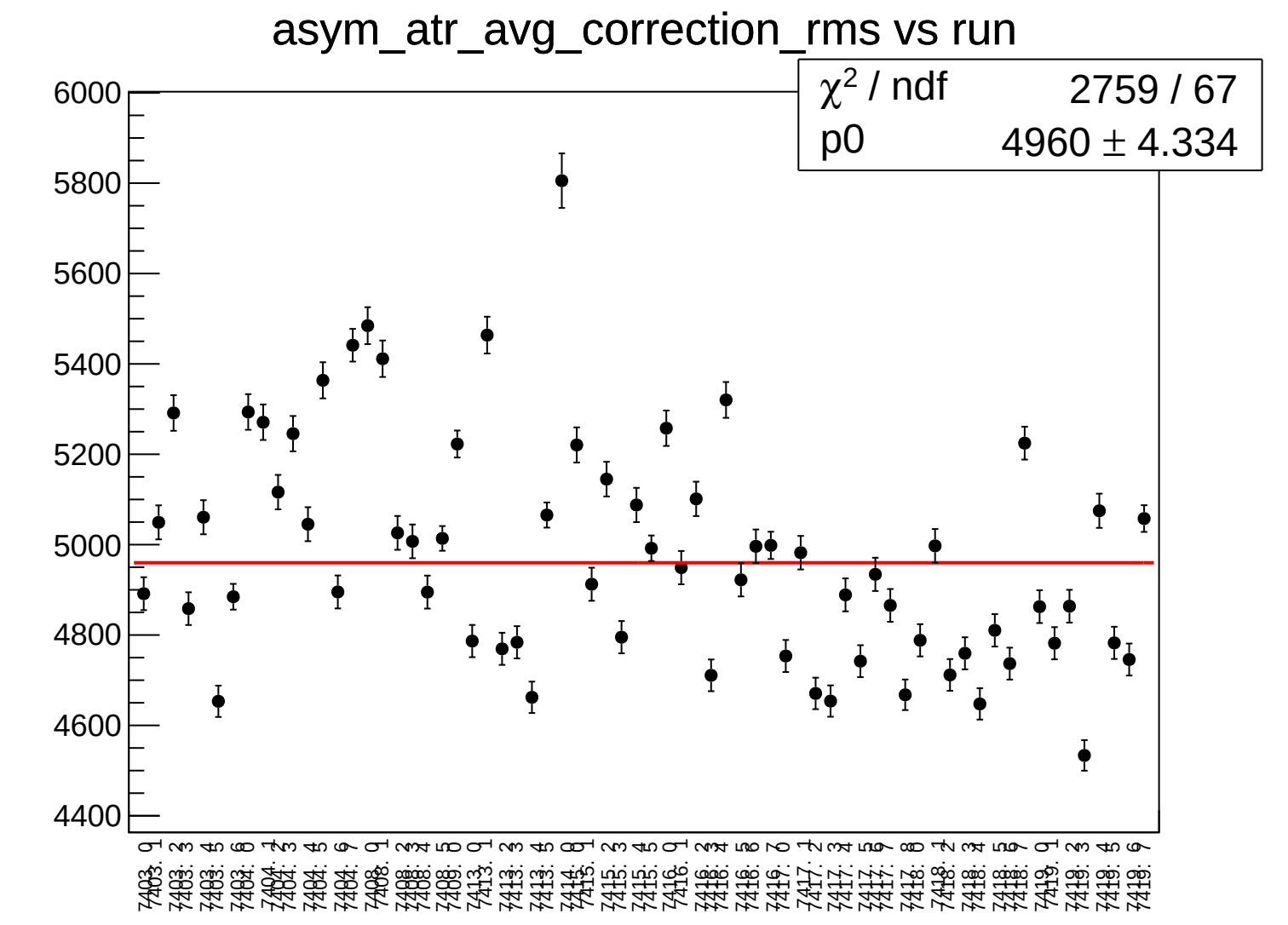

dit_asym_atr_avg_mean vs run
χ² / ndf 85.01 / 67
p0 7430 ± 2413
pull
Entries 68
Mean 637.1
Std Dev 608.5

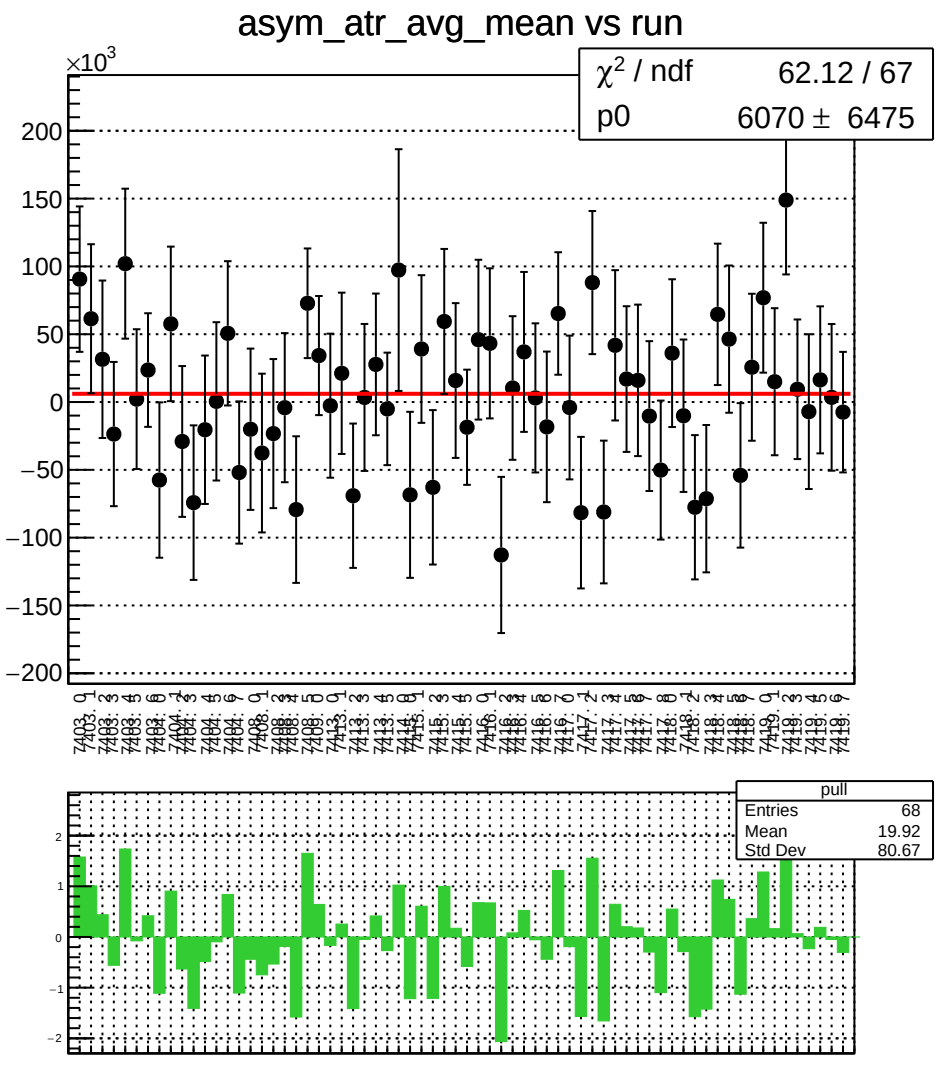

pull1D
Entries 68
Mean 0.005974
Std Dev 1.118

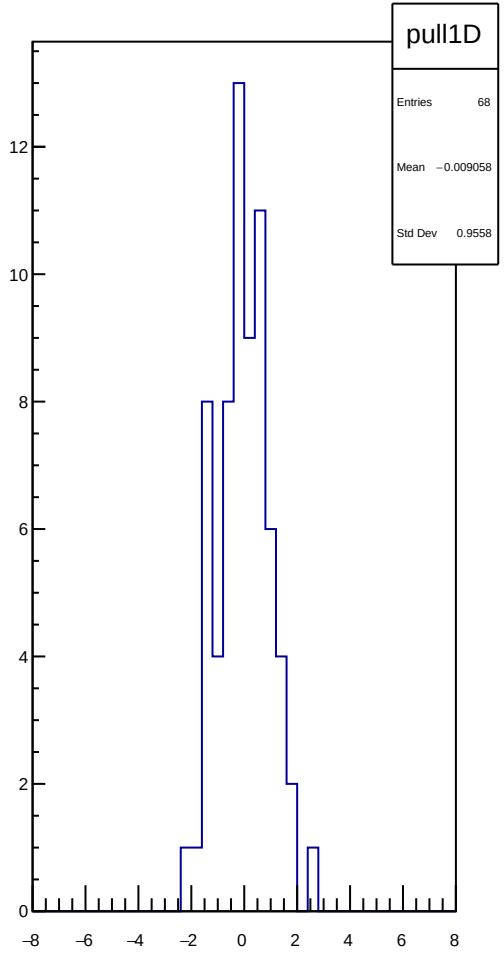

dit_asym_atr_avg_rms vs run
χ² / ndf 463.3 / 67
p0 1954 ± 1.706
2050
2000
1950
1900
1850

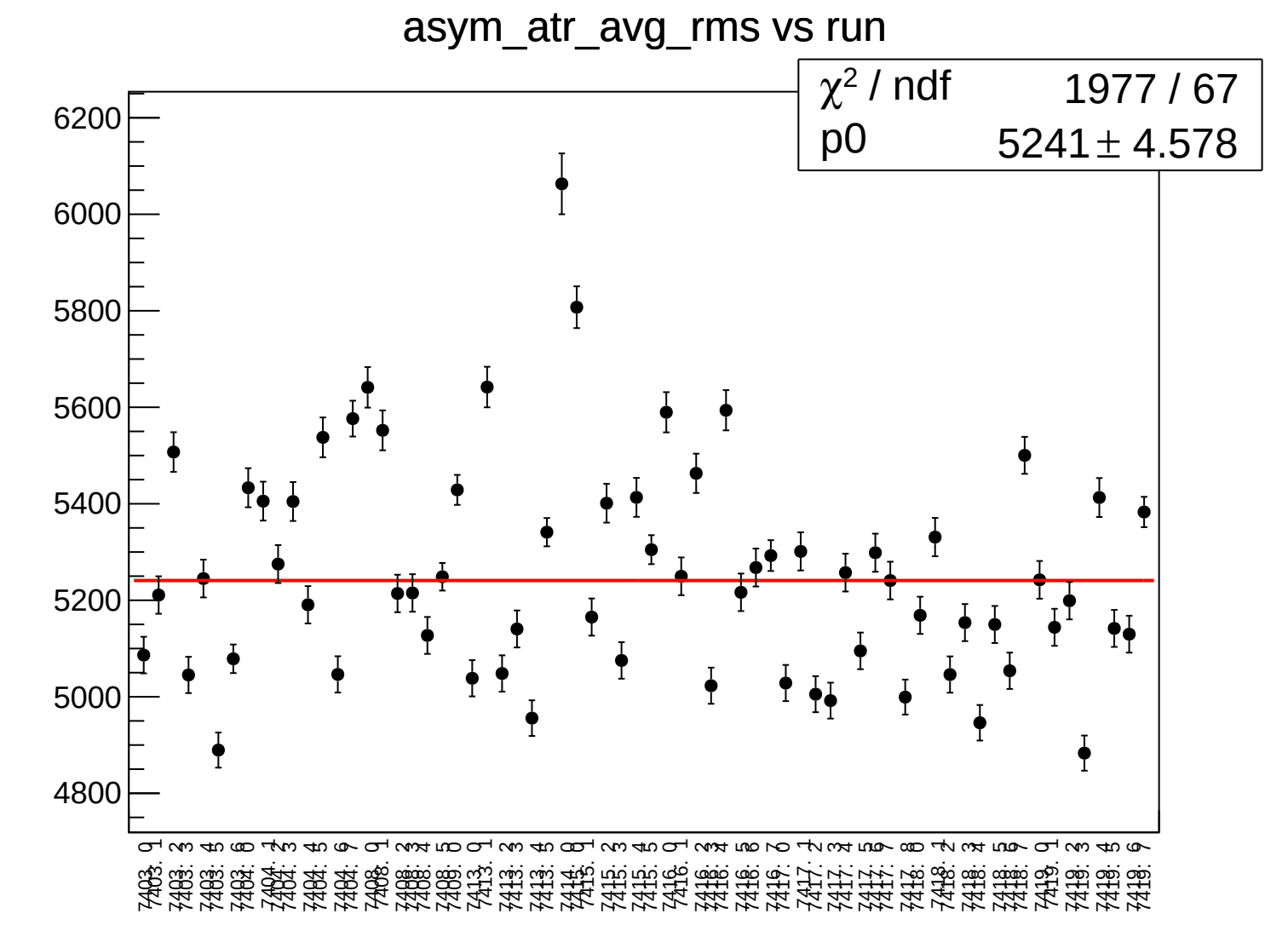

asym_atr_avg_correction_mean vs run
χ² / ndf 60.62 / 67
p0 1612 ± 6129
×10³
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean 173.7
Std Dev 166.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

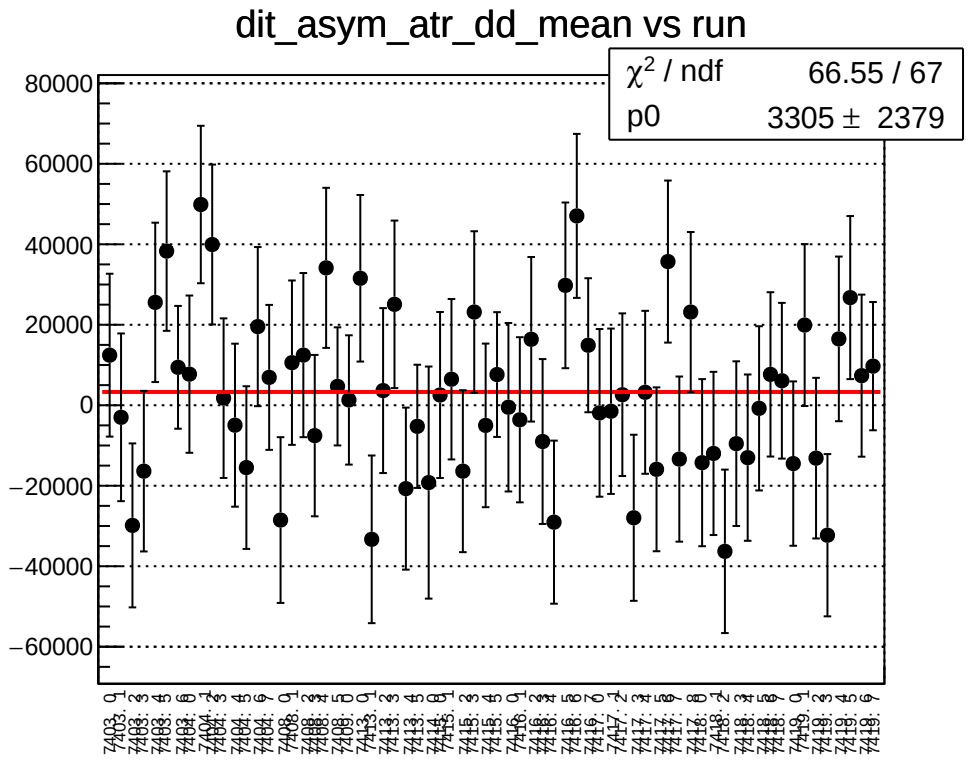

pull1D
Entries 68
Mean 0.009361
Std Dev 0.9441
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

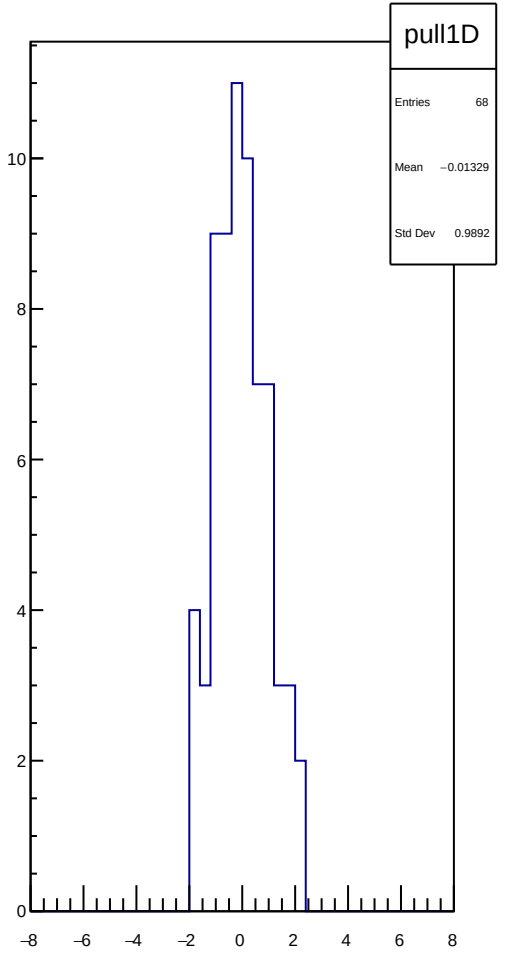

asym_atr_avg_correction_rms vs run
χ² / ndf 2759 / 67
p0 4960 ± 4.334
6000
5800
5600
5400
5200
5000
4800
4600
4400

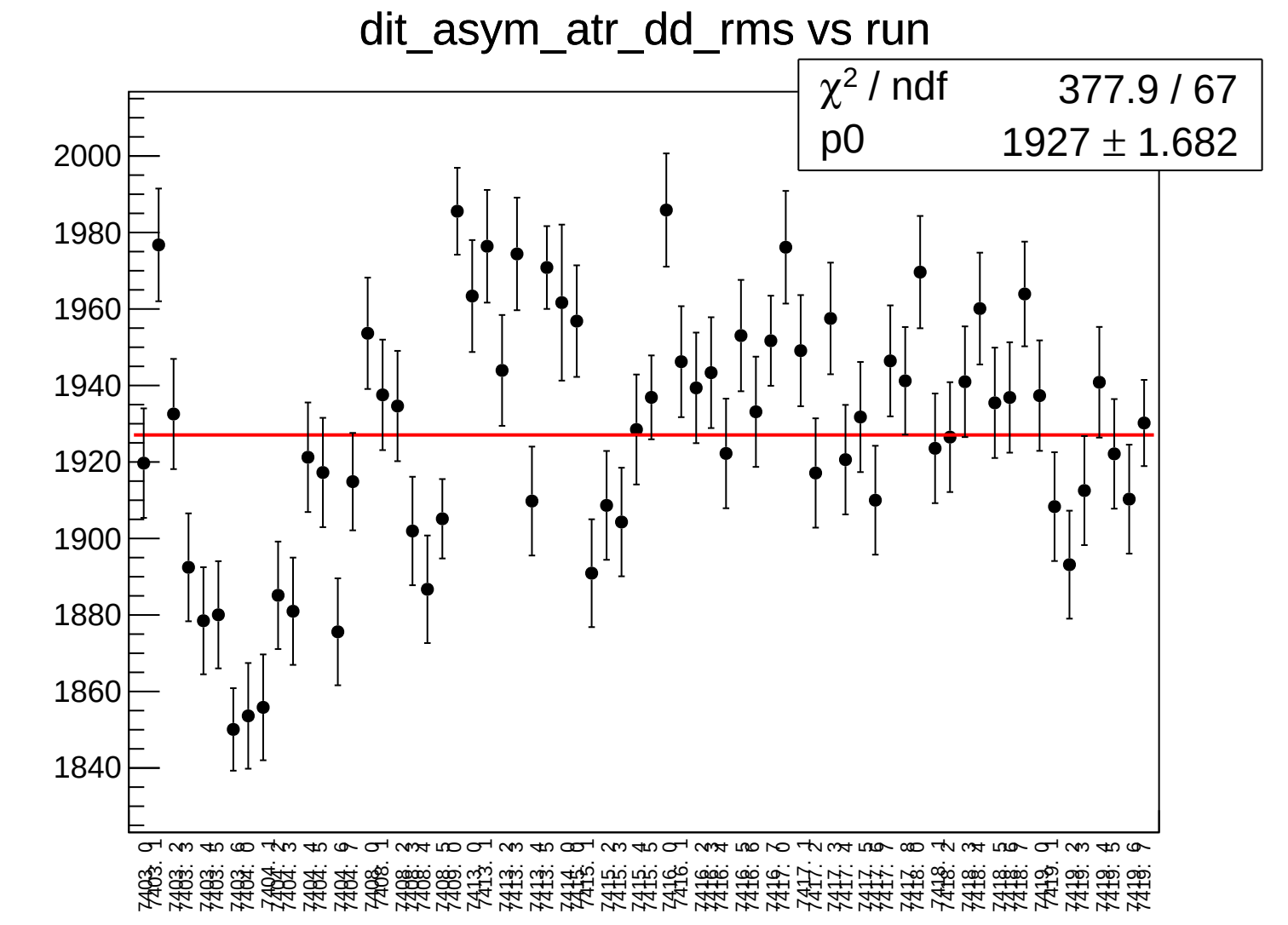

asym_atr_avg_mean vs run
×10^3
χ² / ndf 62.12 / 67
p0 6070 ± 6475
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 68
Mean 19.92
Std Dev 80.67
2
1
0
−1
−2

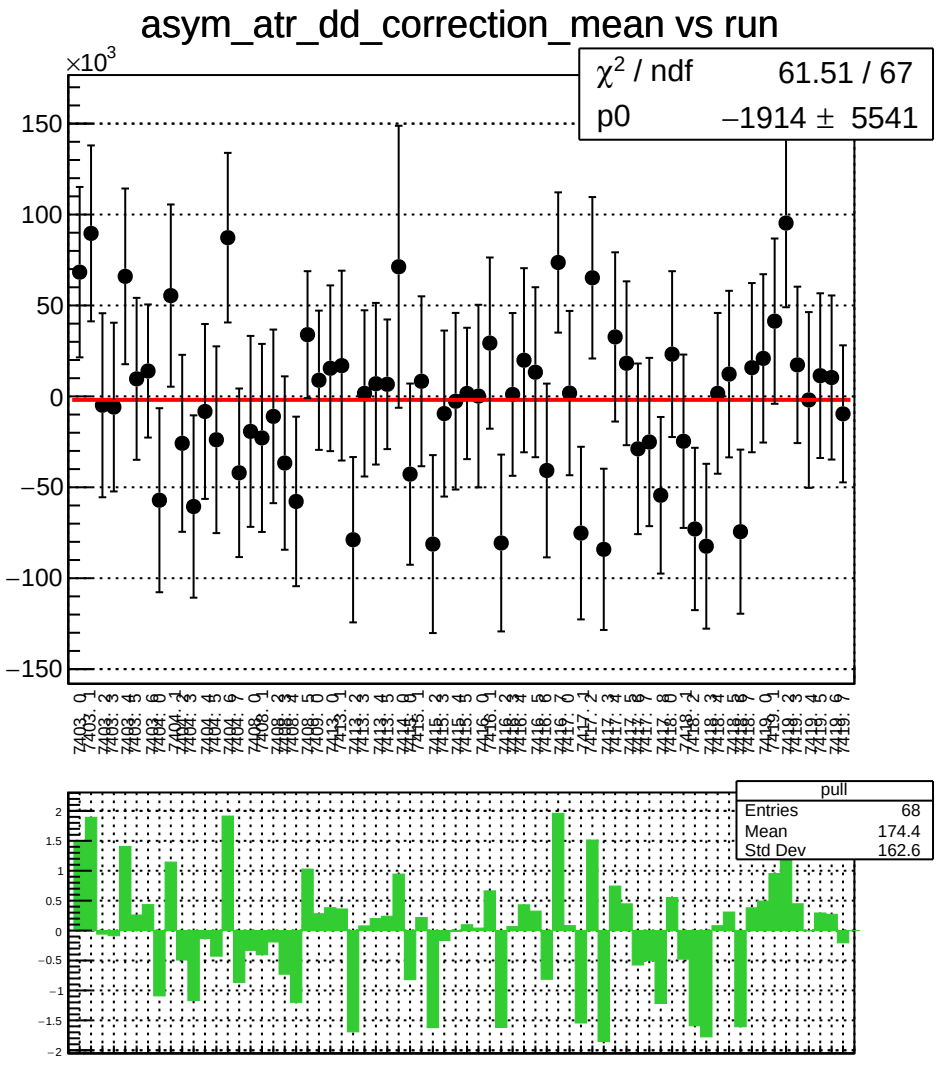

pull1D
Entries 68
Mean −0.009058
Std Dev 0.9558
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

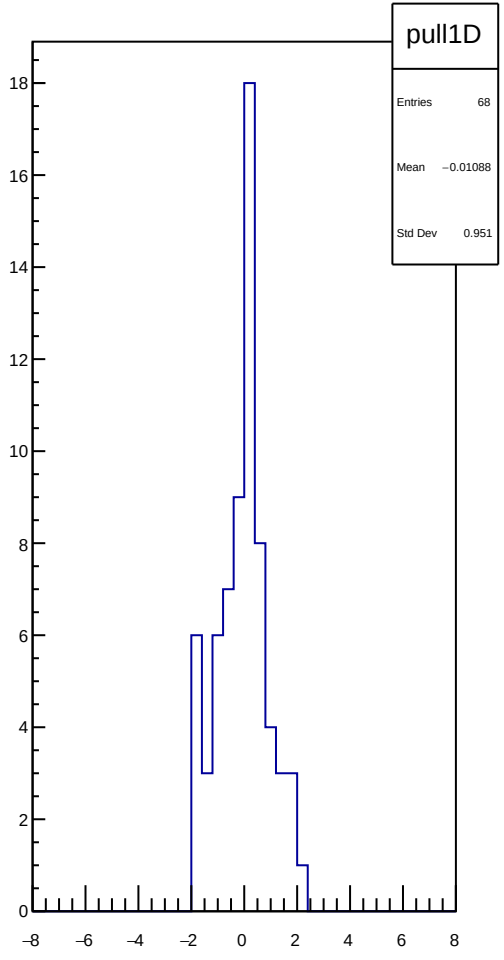

asym_atr_avg_rms vs run
χ² / ndf 1977 / 67
p0 5241 ± 4.578
6200
6000
5800
5600
5400
5200
5000
4800

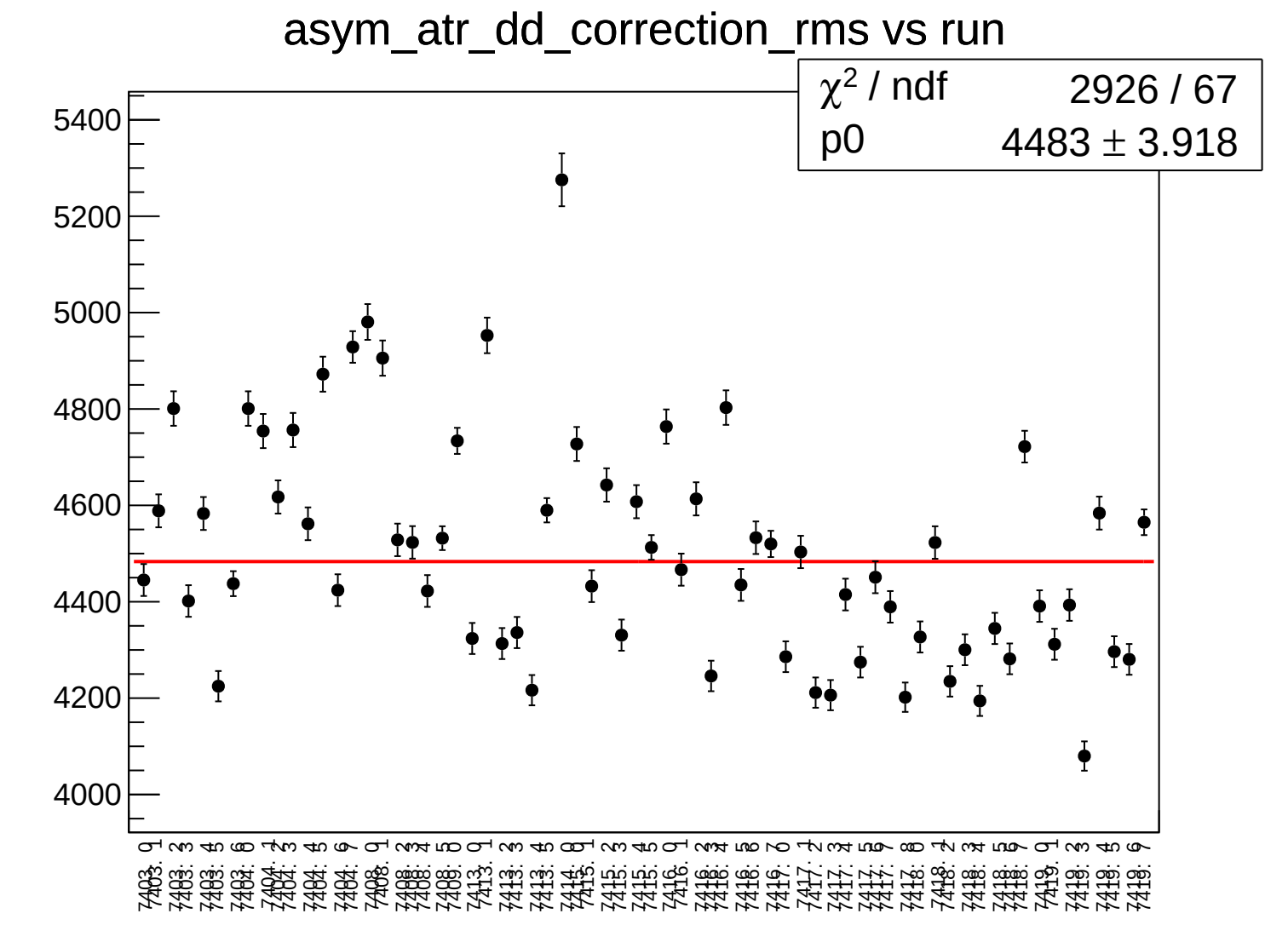

dit_asym_atr_dd_mean vs run
χ² / ndf 66.55 / 67
p0 3305 ± 2379
pull
Entries 68
Mean 248.2
Std Dev 217.2

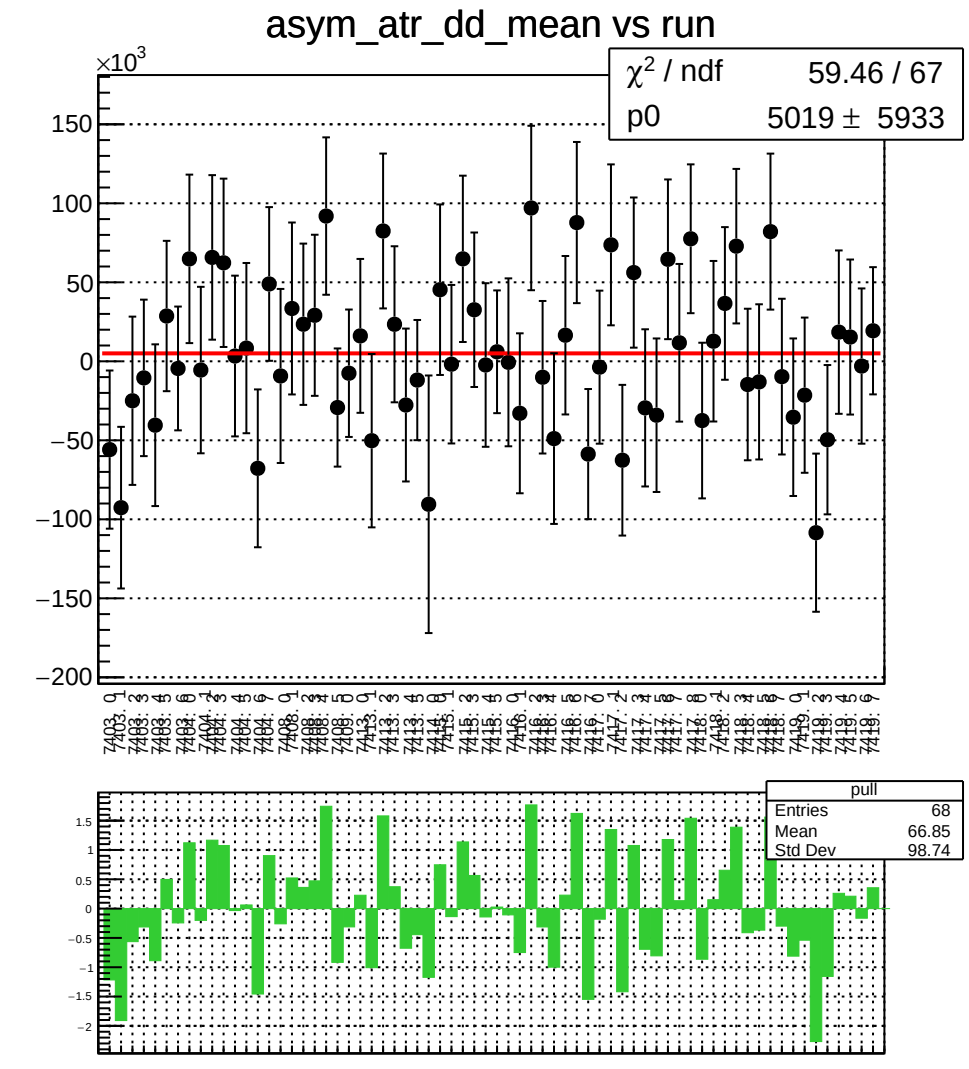

pull1D
Entries 68
Mean −0.01329
Std Dev 0.9892

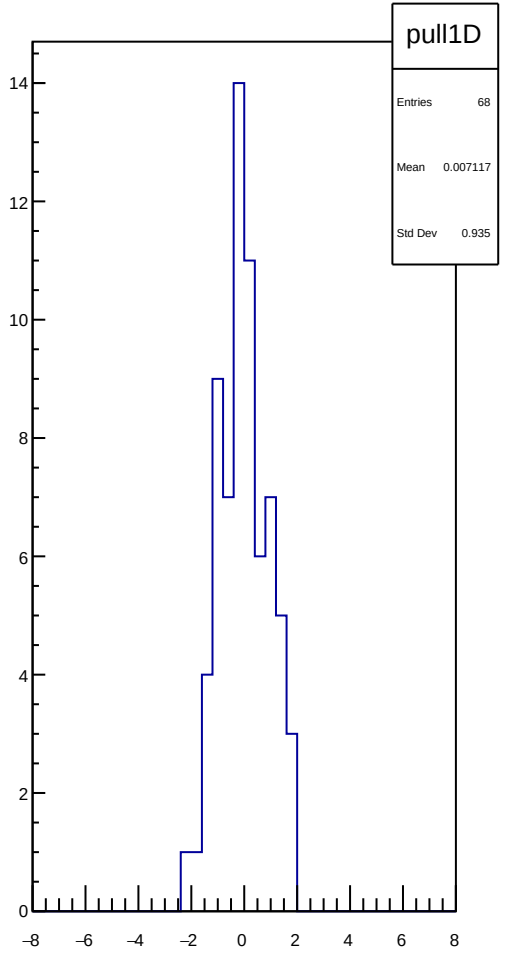

dit_asym_atr_dd_rms vs run
χ^2 / ndf 377.9 / 67
p0 1927 ± 1.682
2000
1980
1960
1940
1920
1900
1880
1860
1840

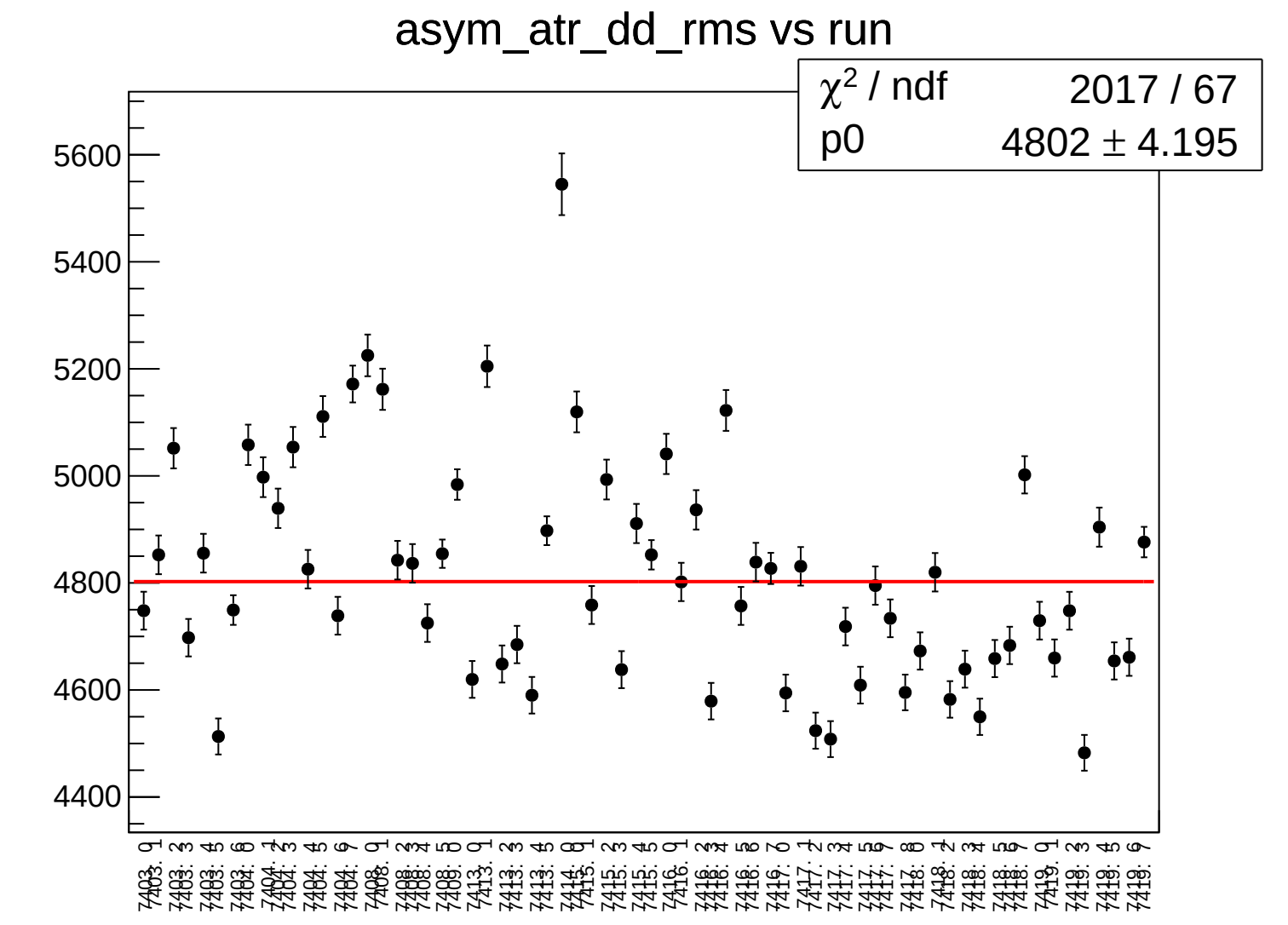

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 61.51 / 67
p0 −1914 ± 5541
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean 174.4
Std Dev 162.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

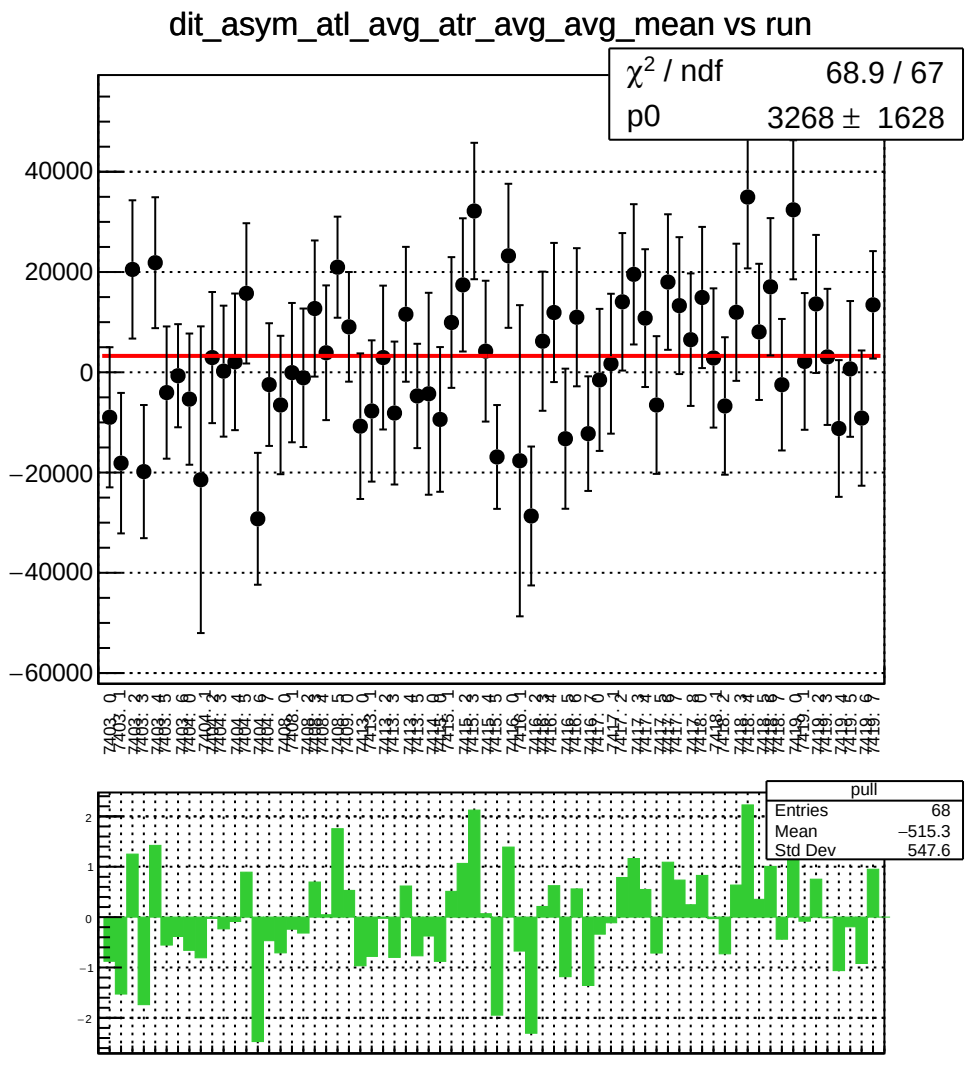

pull1D
Entries 68
Mean −0.01088
Std Dev 0.951
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

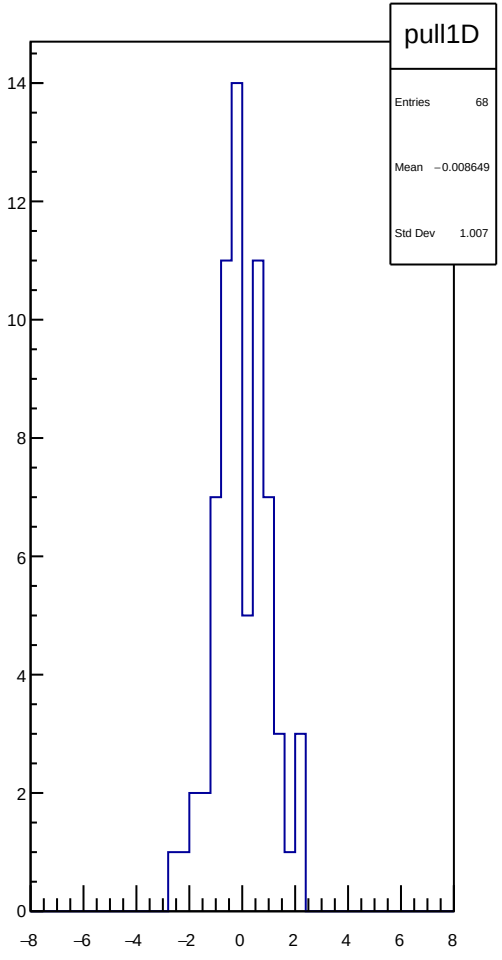

asym_atr_dd_correction_rms vs run
χ² / ndf 2926 / 67
p0 4483 ± 3.918
5400
5200
5000
4800
4600
4400
4200
4000

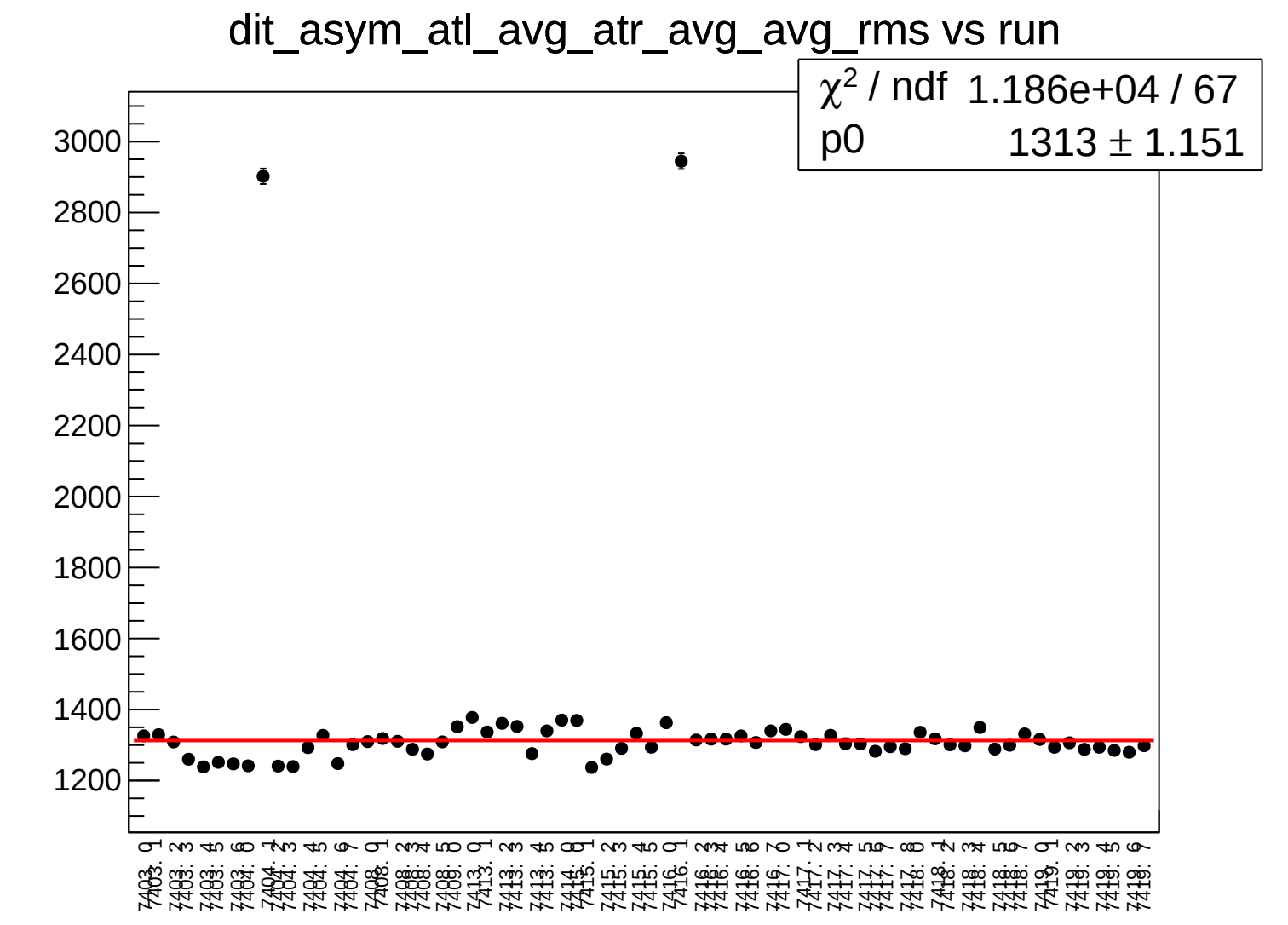

asym_atr_dd_mean vs run
×10^3
χ² / ndf 59.46 / 67
p0 5019 ± 5933
150
100
50
0
−50
−100
−150
−200
pull
Entries 68
Mean 66.85
Std Dev 98.74
1.5
1
0.5
0
−0.5
−1
−1.5
−2

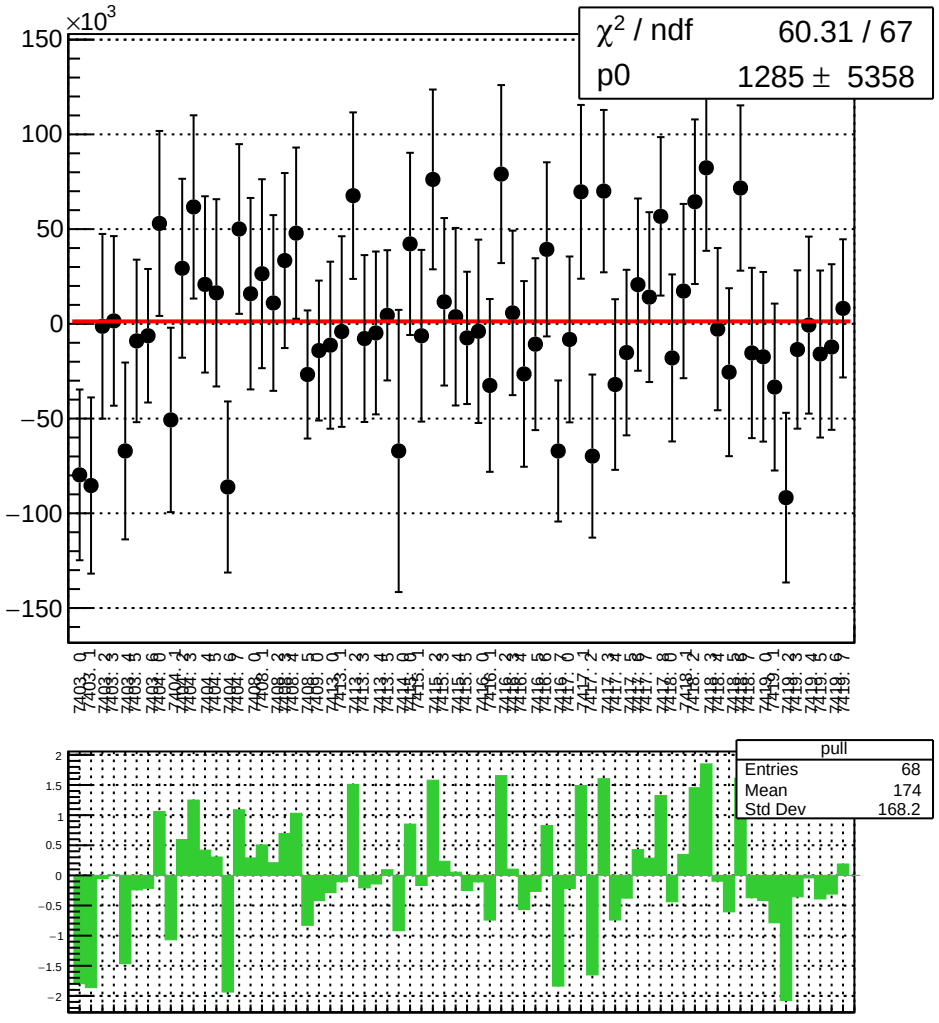

pull1D
Entries 68
Mean 0.007117
Std Dev 0.935
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

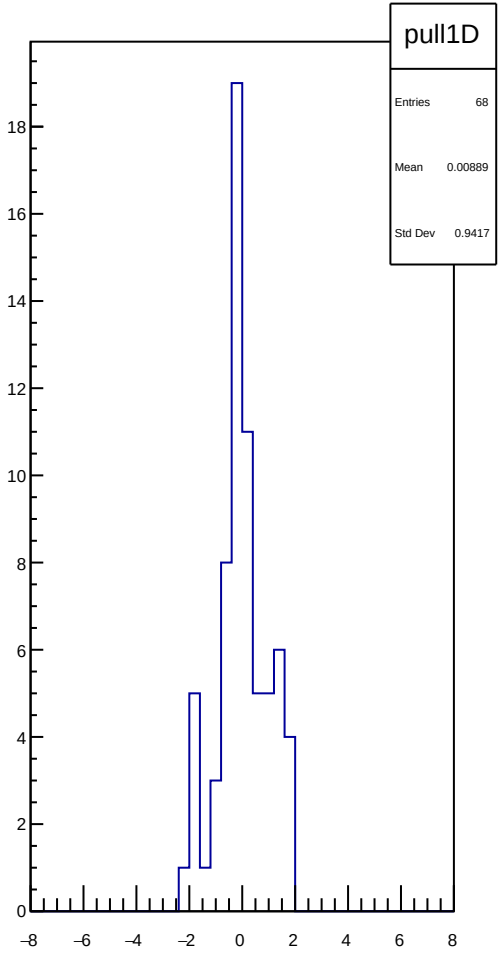

asym_atr_dd_rms vs run
χ² / ndf 2017 / 67
p0 4802 ± 4.195
5600
5400
5200
5000
4800
4600
4400

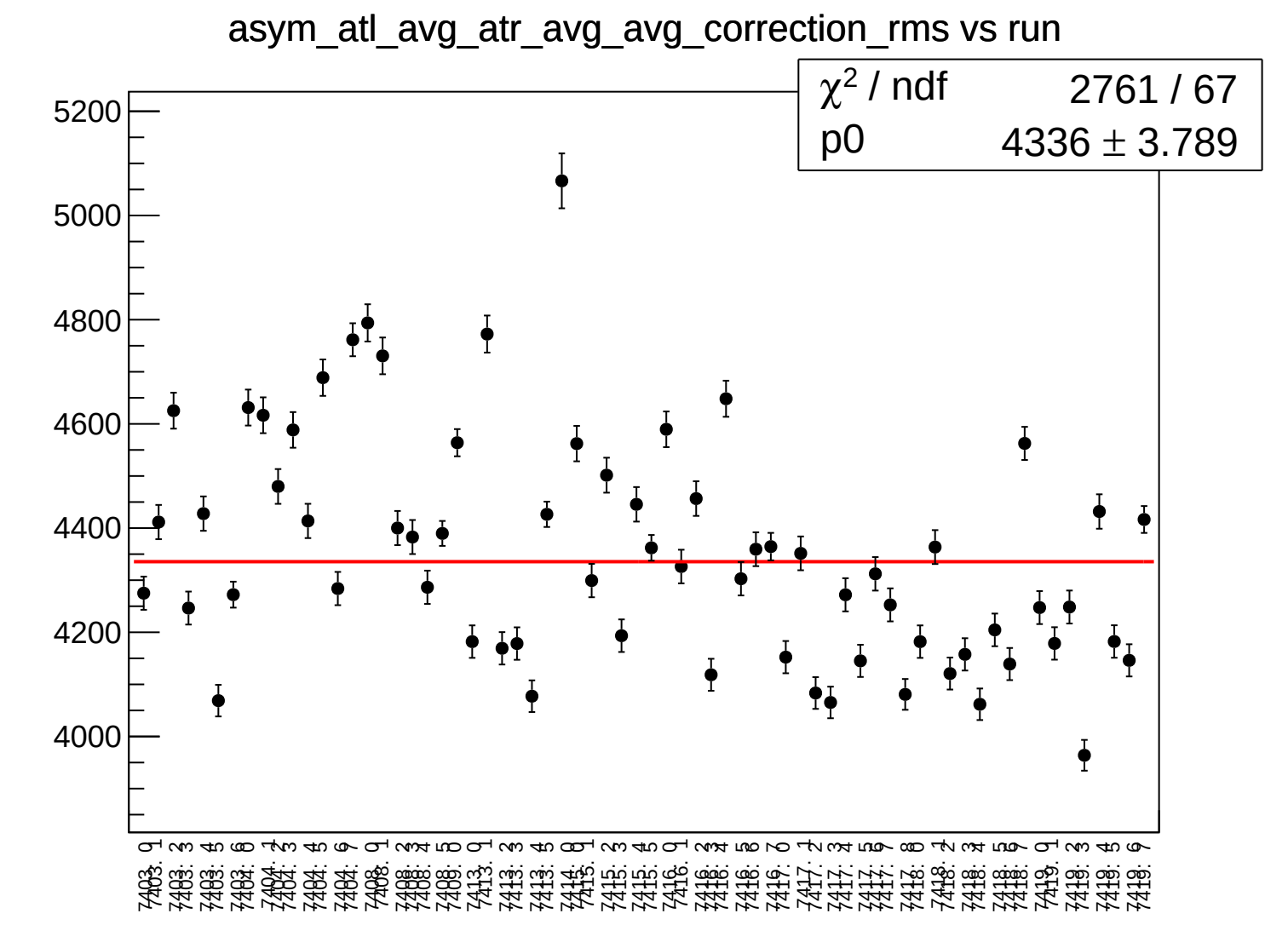

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 68.9 / 67
p0 3268 ± 1628
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean −515.3
Std Dev 547.6
2
1
0
−1
−2

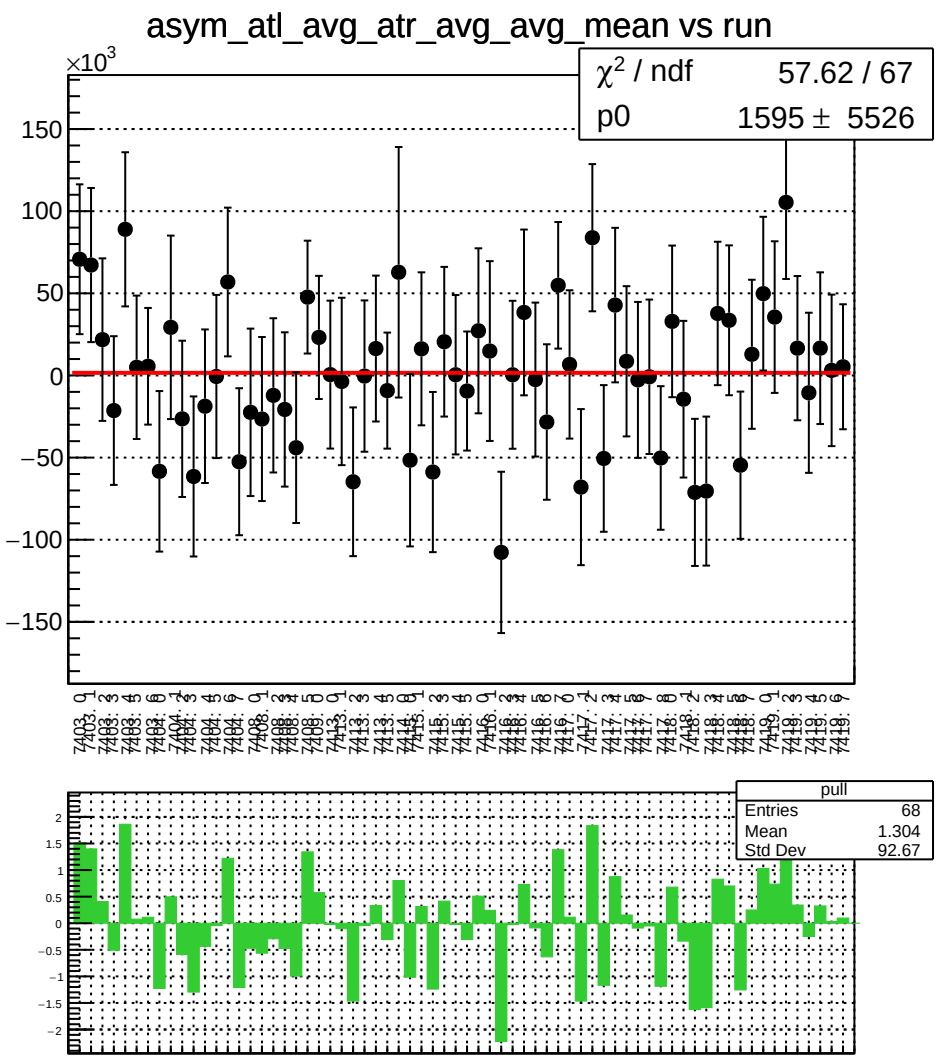

pull1D
Entries 68
Mean −0.008649
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

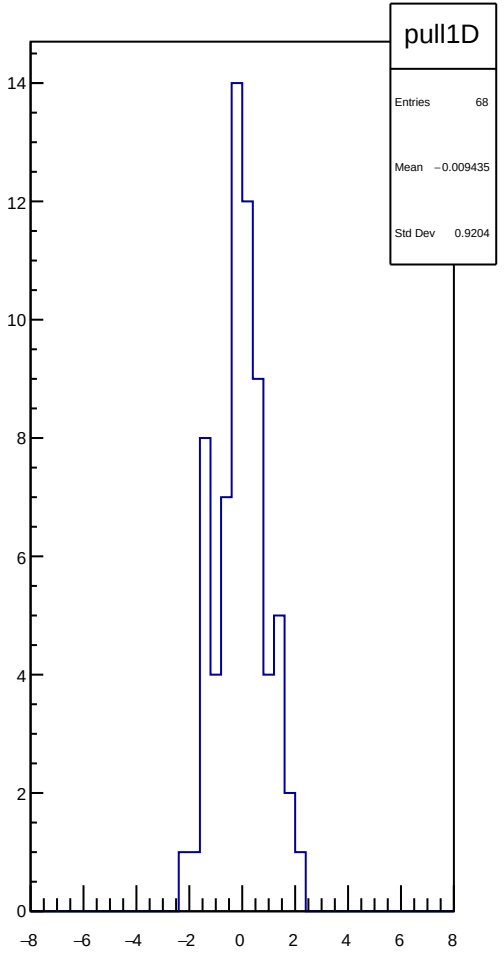

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.186e+04 / 67
p0 1313 ± 1.151
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

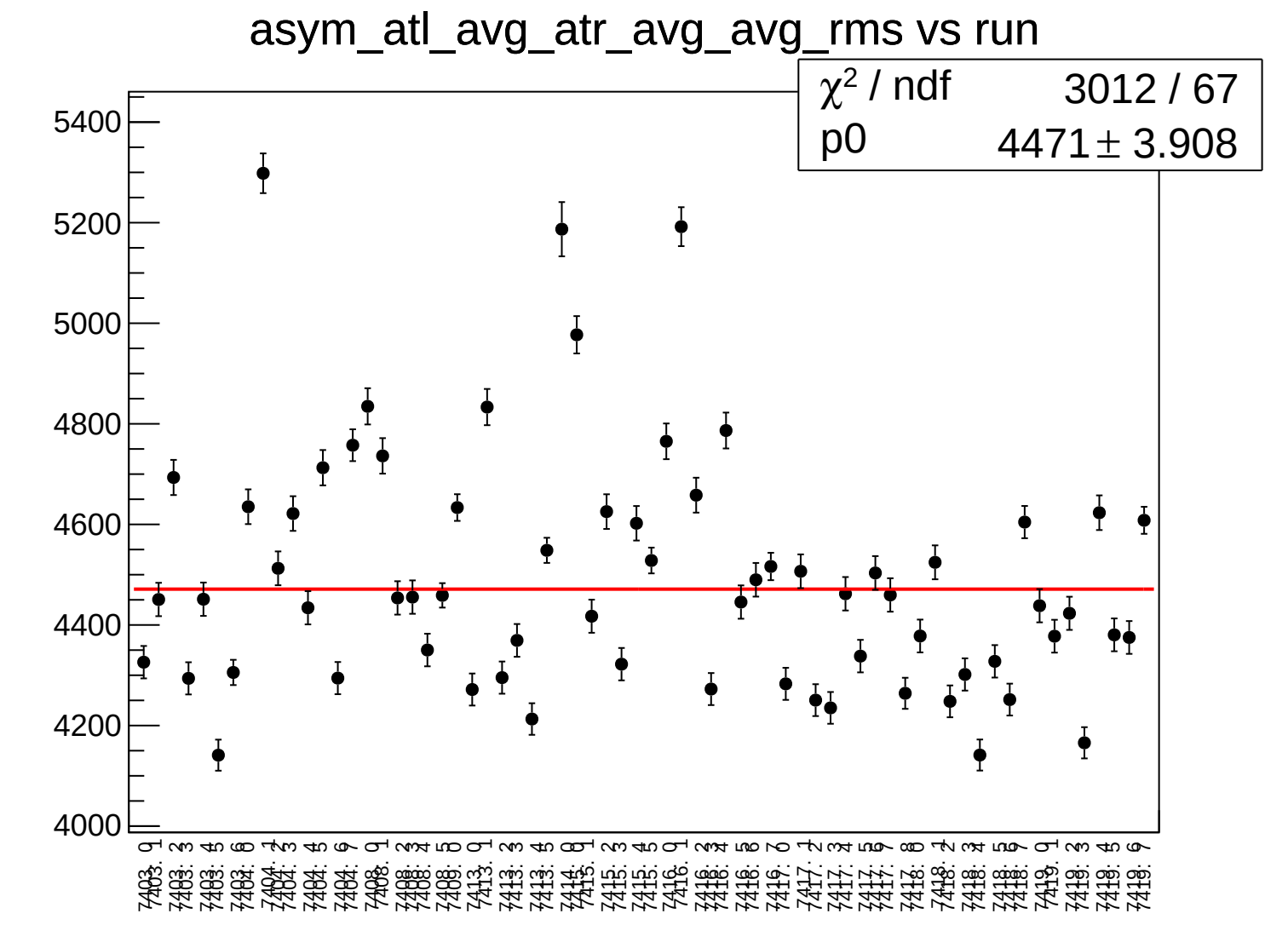

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 60.31 / 67
p0 1285 ± 5358
pull
Entries 68
Mean 174
Std Dev 168.2

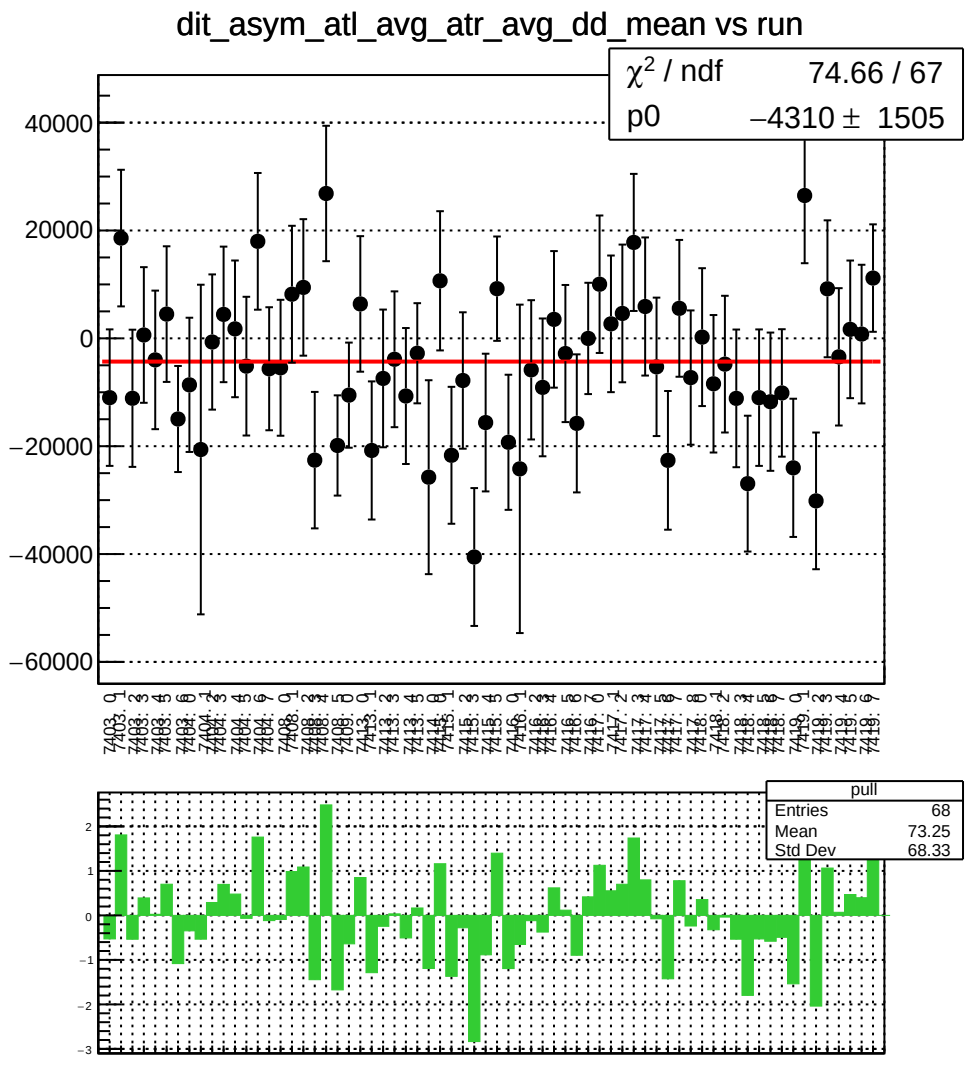

pull1D
Entries 68
Mean 0.00889
Std Dev 0.9417

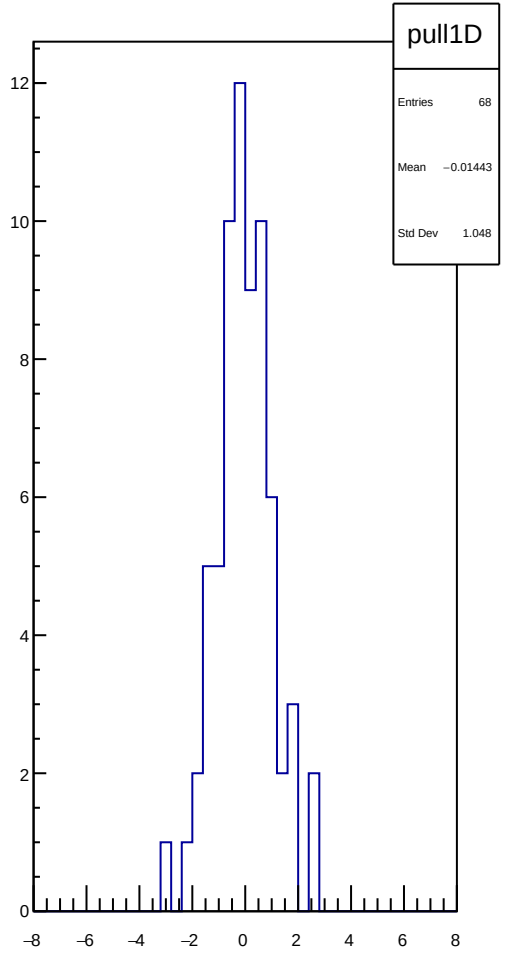

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2761 / 67
p0 4336 ± 3.789
5200
5000
4800
4600
4400
4200
4000

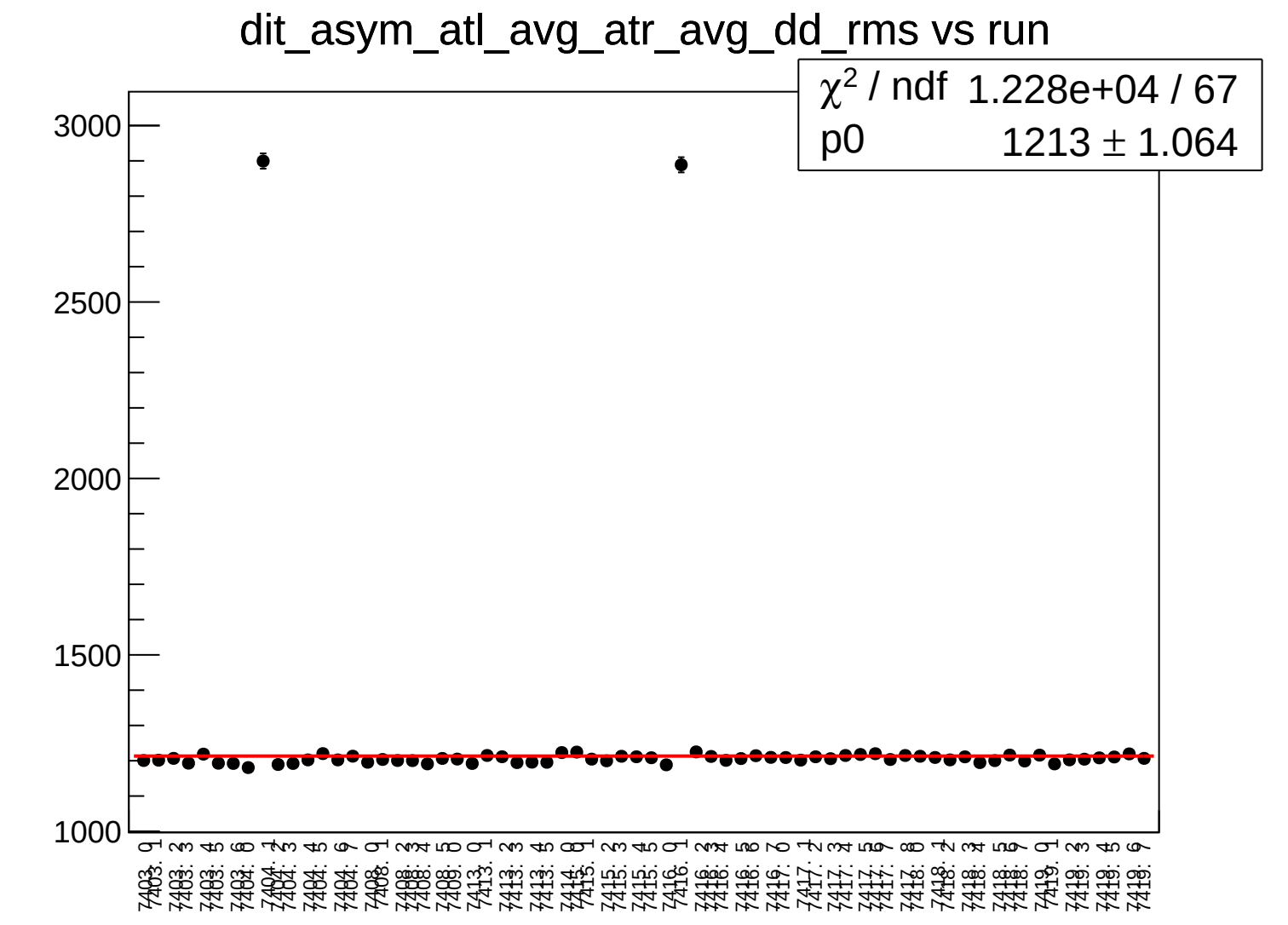

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 57.62 / 67
p0 1595 ± 5526
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean 1.304
Std Dev 92.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

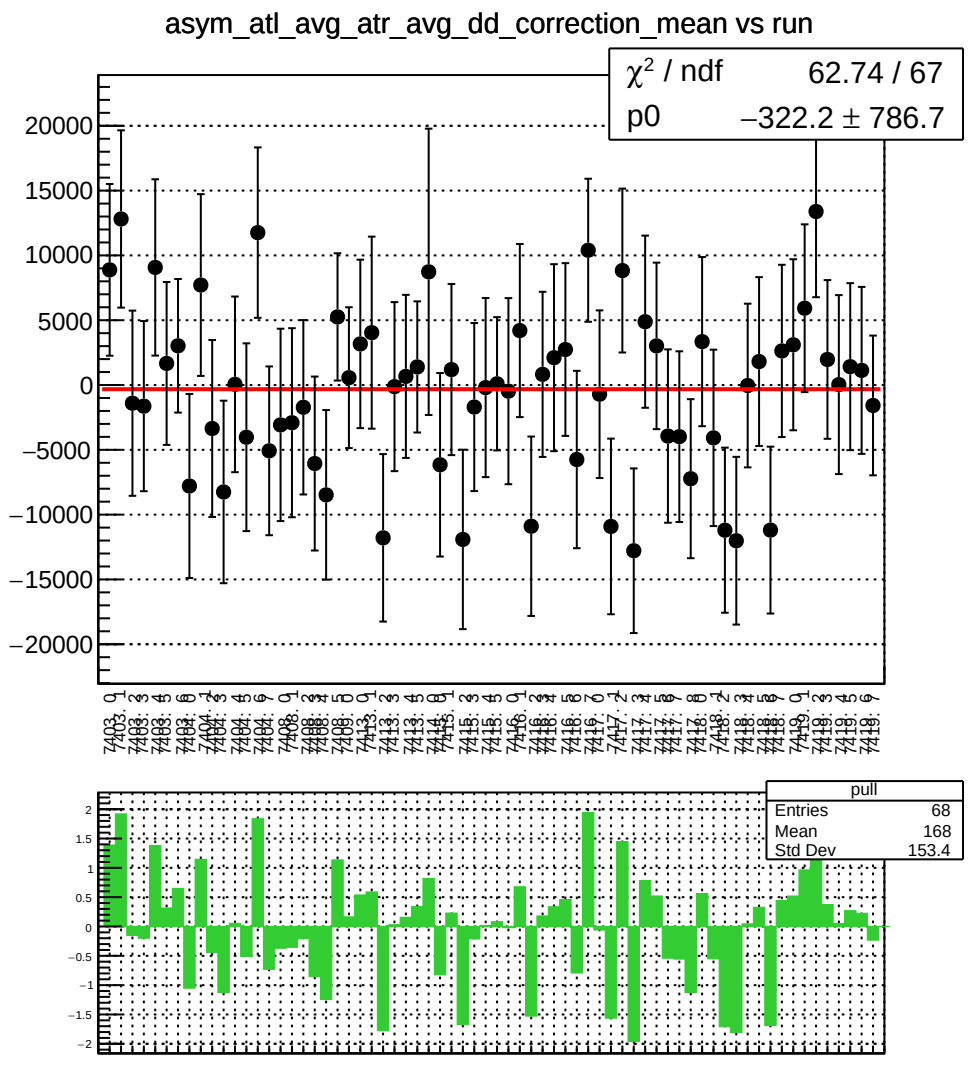

pull1D
Entries 68
Mean −0.009435
Std Dev 0.9204
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

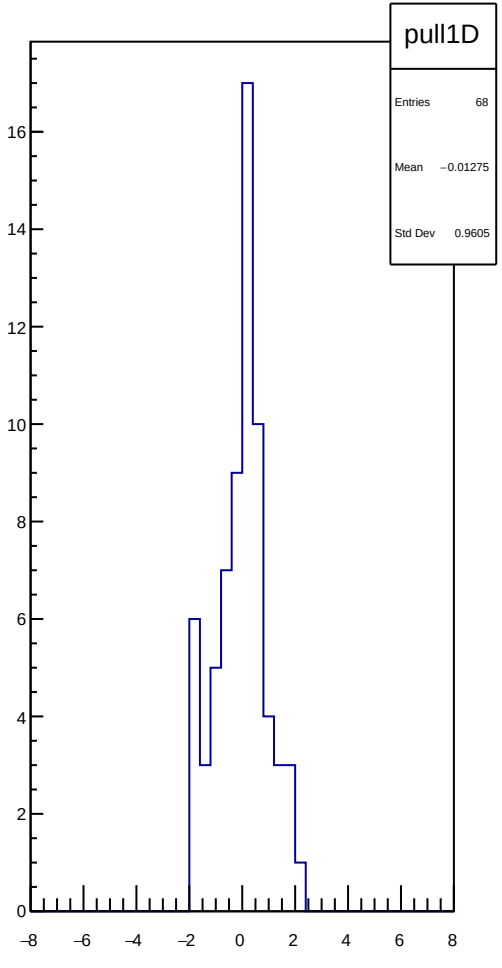

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3012 / 67
p0 4471 ± 3.908
5400
5200
5000
4800
4600
4400
4200
4000

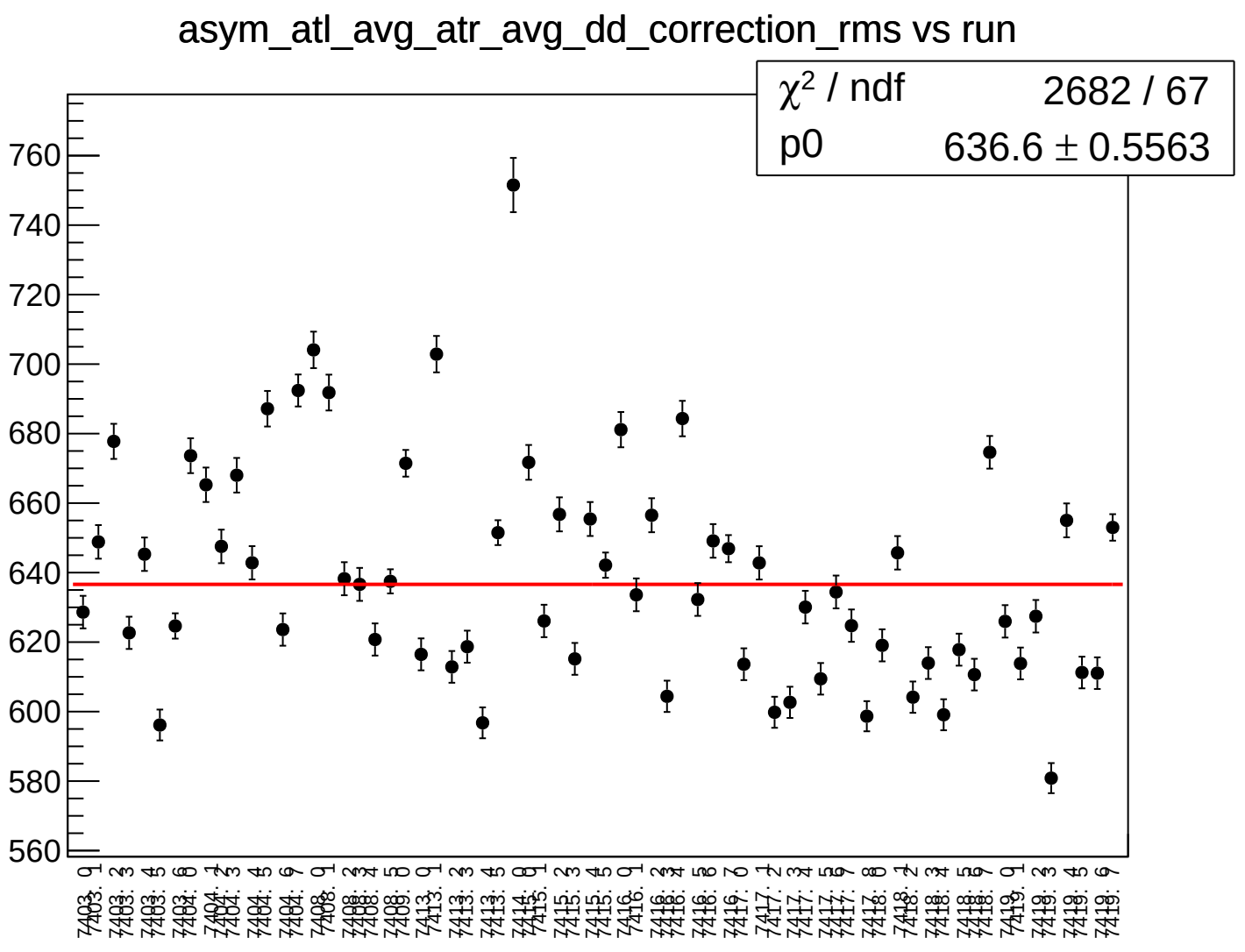

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.66 / 67
p0 −4310 ± 1505
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean 73.25
Std Dev 68.33
2
1
0
−1
−2
−3

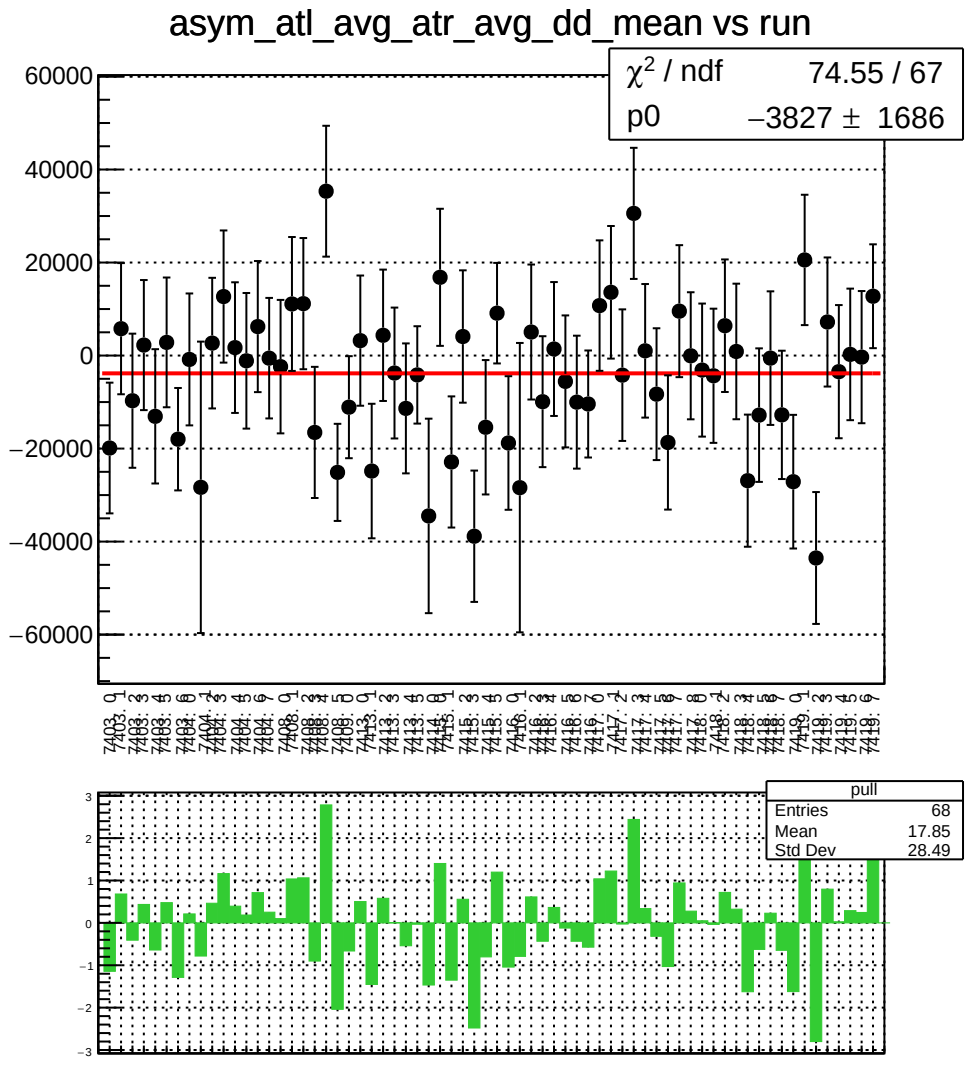

pull1D
Entries 68
Mean −0.01443
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

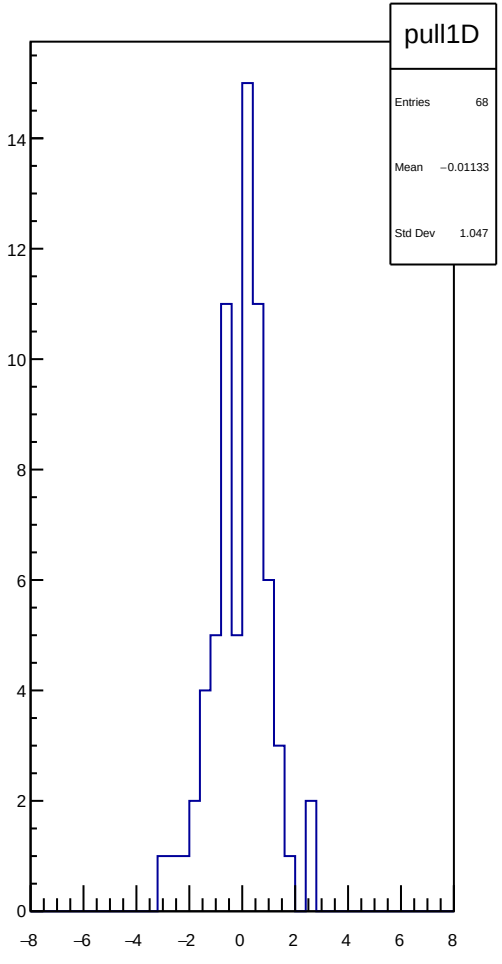

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.228e+04 / 67
p0 1213 ± 1.064
3000
2500
2000
1500
1000

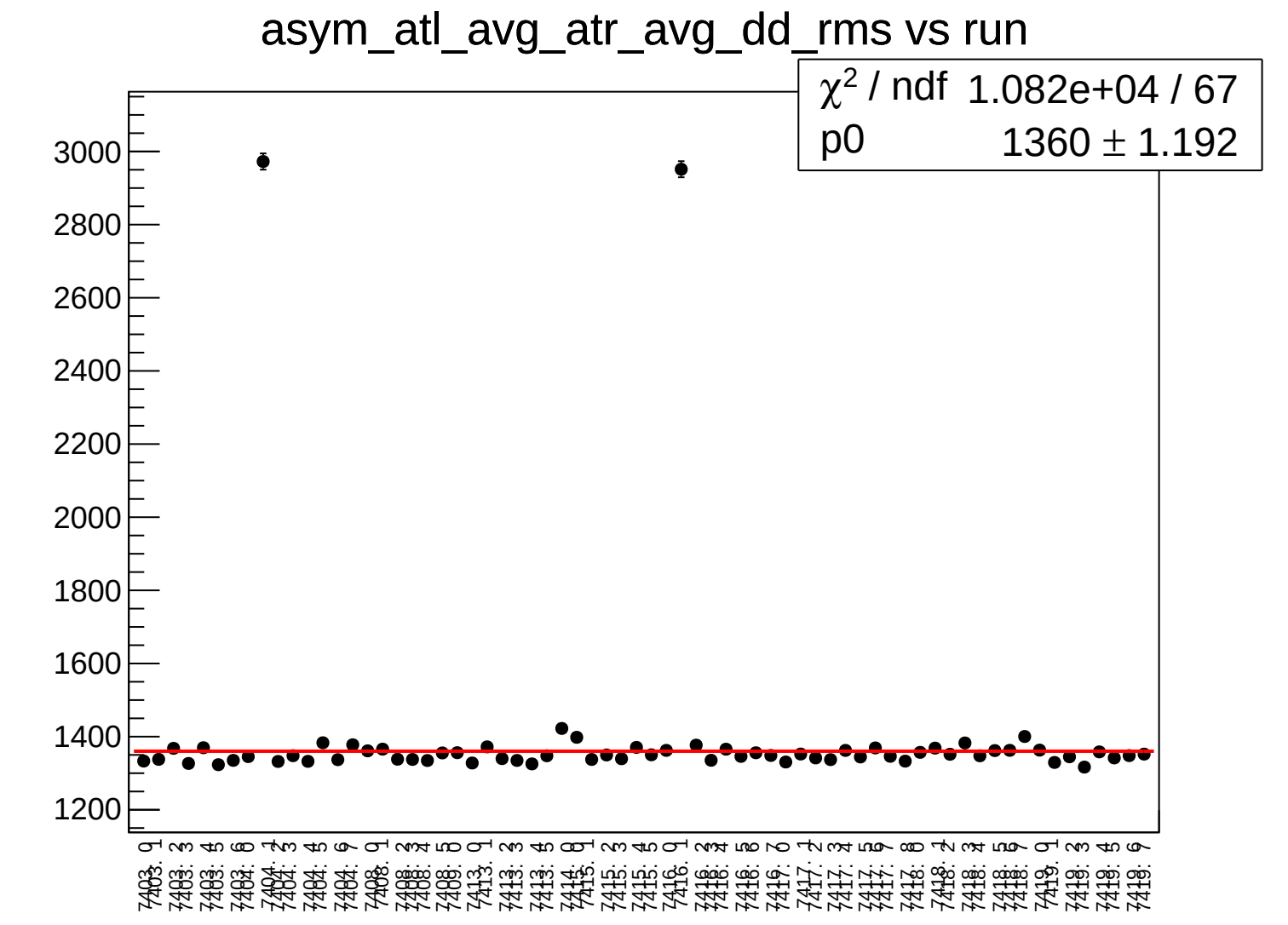

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 62.74 / 67
p0 −322.2 ± 786.7
pull
Entries 68
Mean 168
Std Dev 153.4

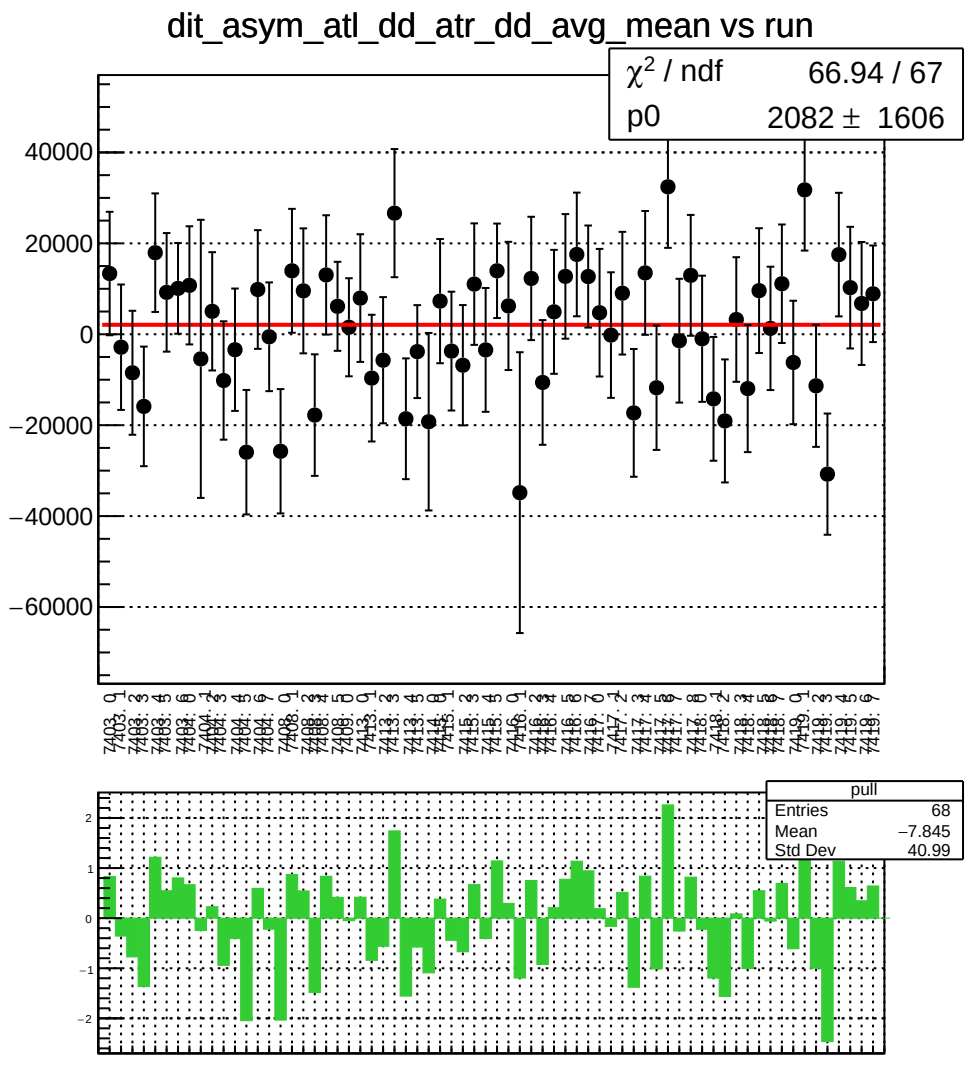

pull1D
Entries 68
Mean −0.01275
Std Dev 0.9605

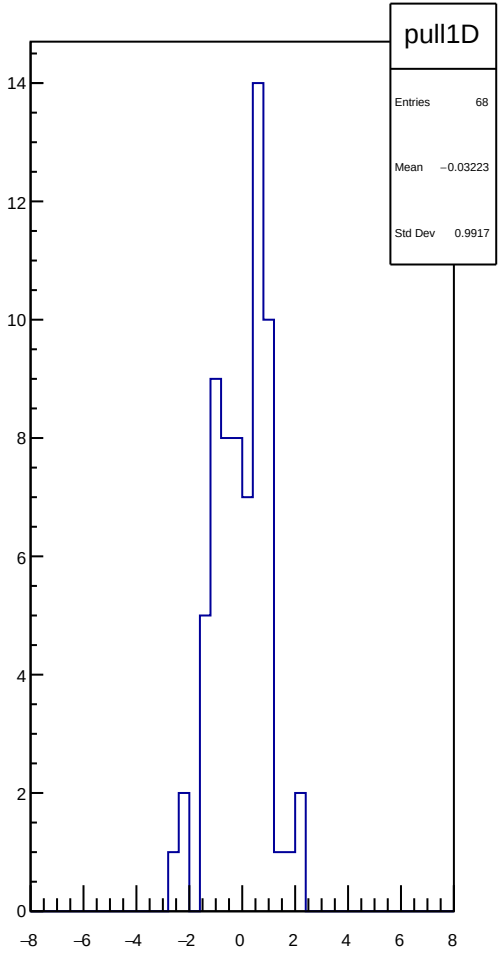

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2682 / 67
p0 636.6 ± 0.5563
760
740
720
700
680
660
640
620
600
580
560

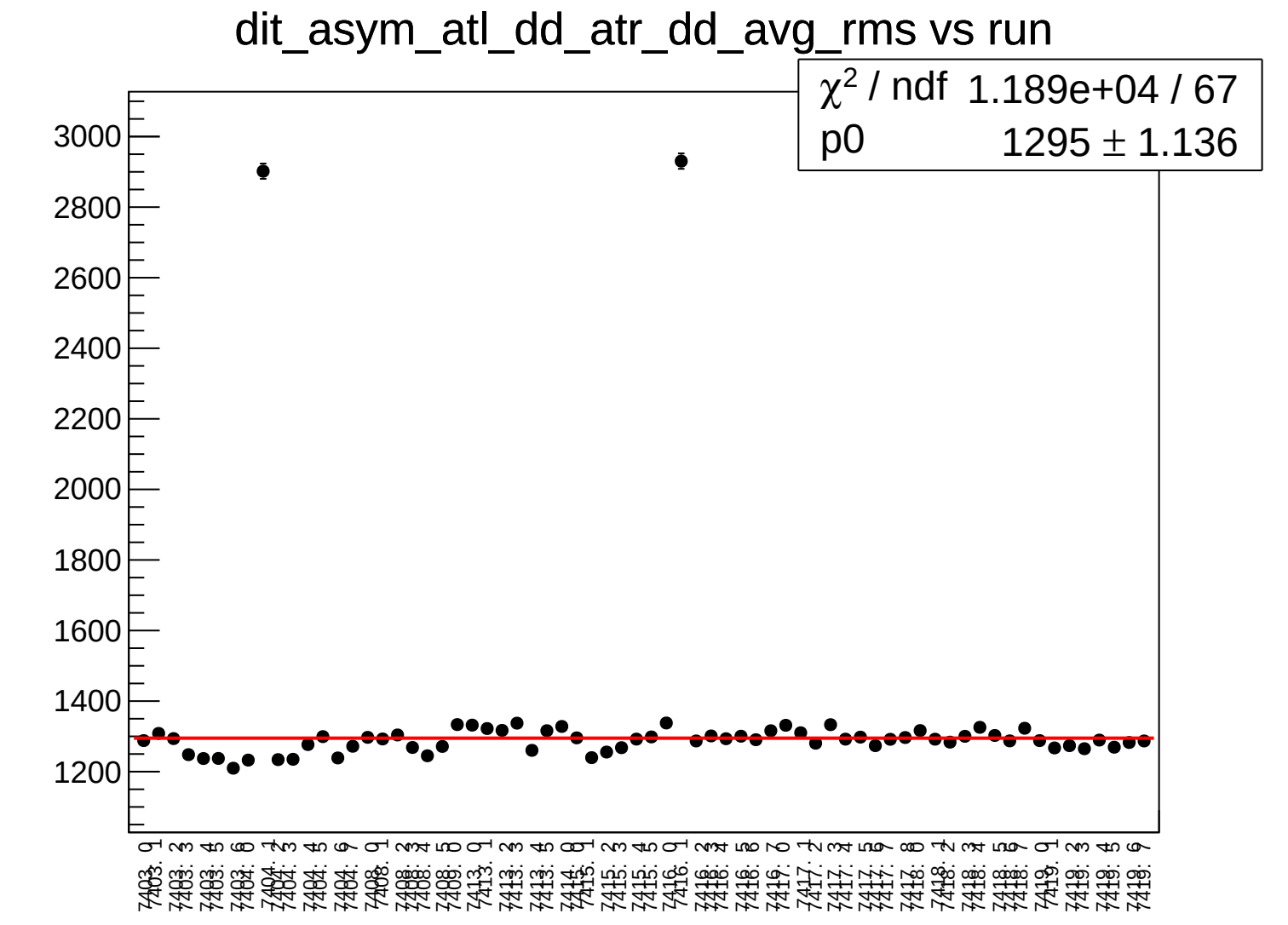

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.55 / 67
p0 −3827 ± 1686
pull
Entries 68
Mean 17.85
Std Dev 28.49

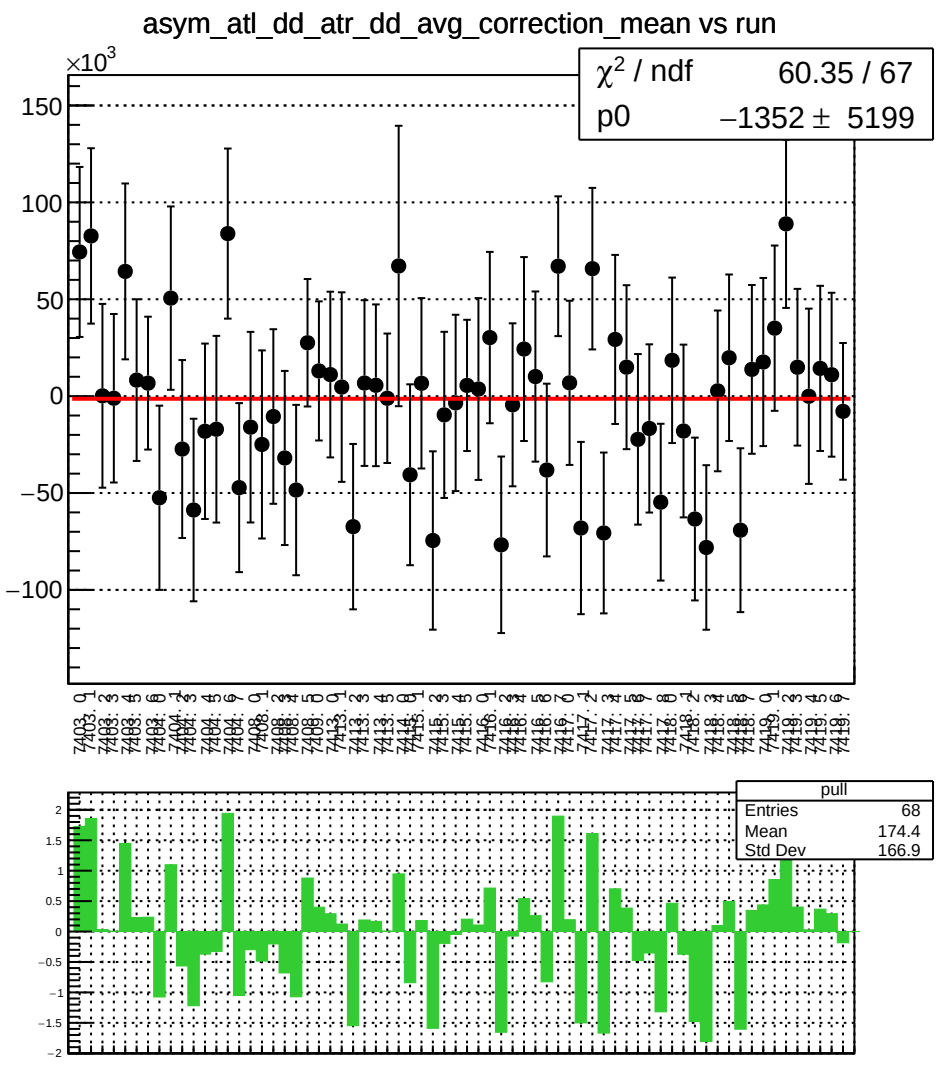

pull1D
Entries 68
Mean −0.01133
Std Dev 1.047

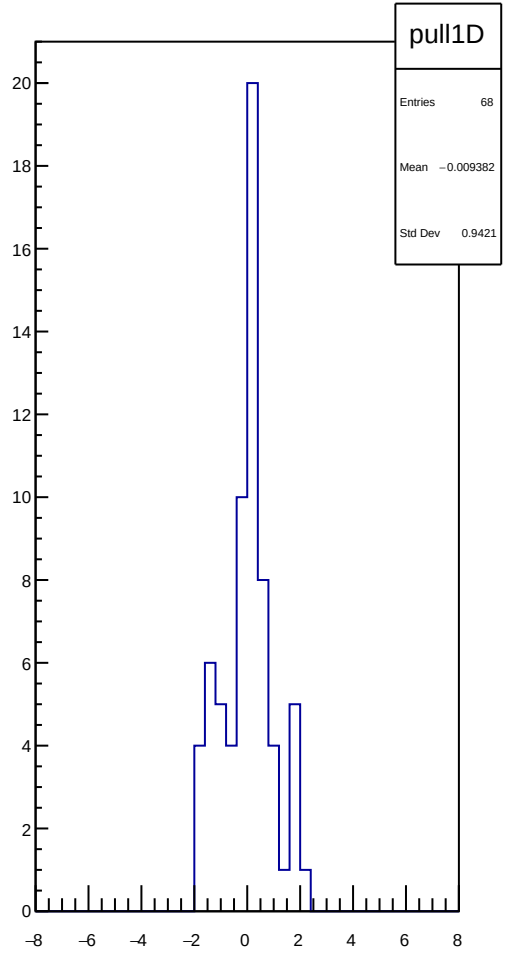

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.082e+04 / 67
p0 1360 ± 1.192
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

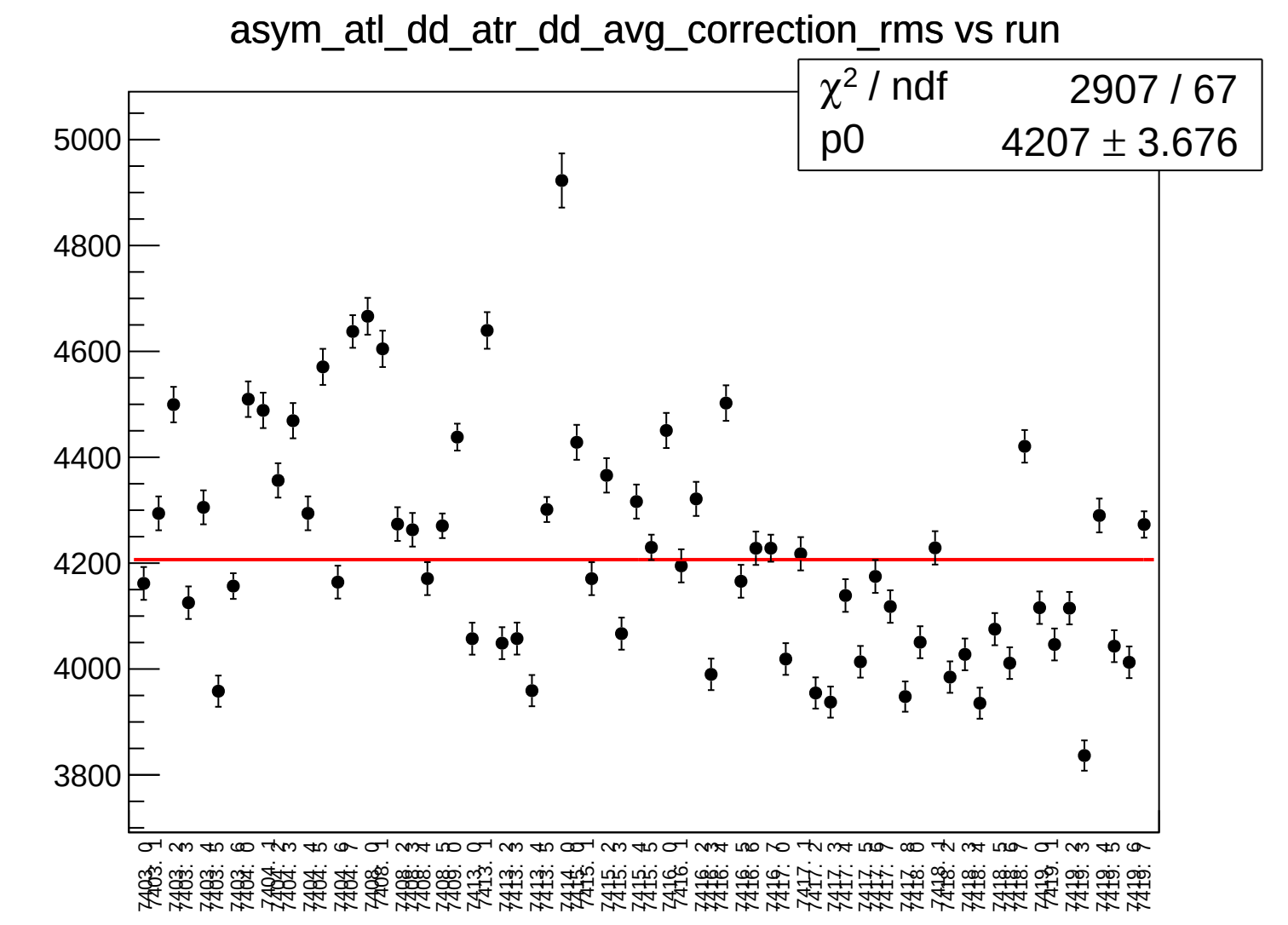

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 66.94 / 67
p0 2082 ± 1606
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean −7.845
Std Dev 40.99
2
1
0
−1
−2

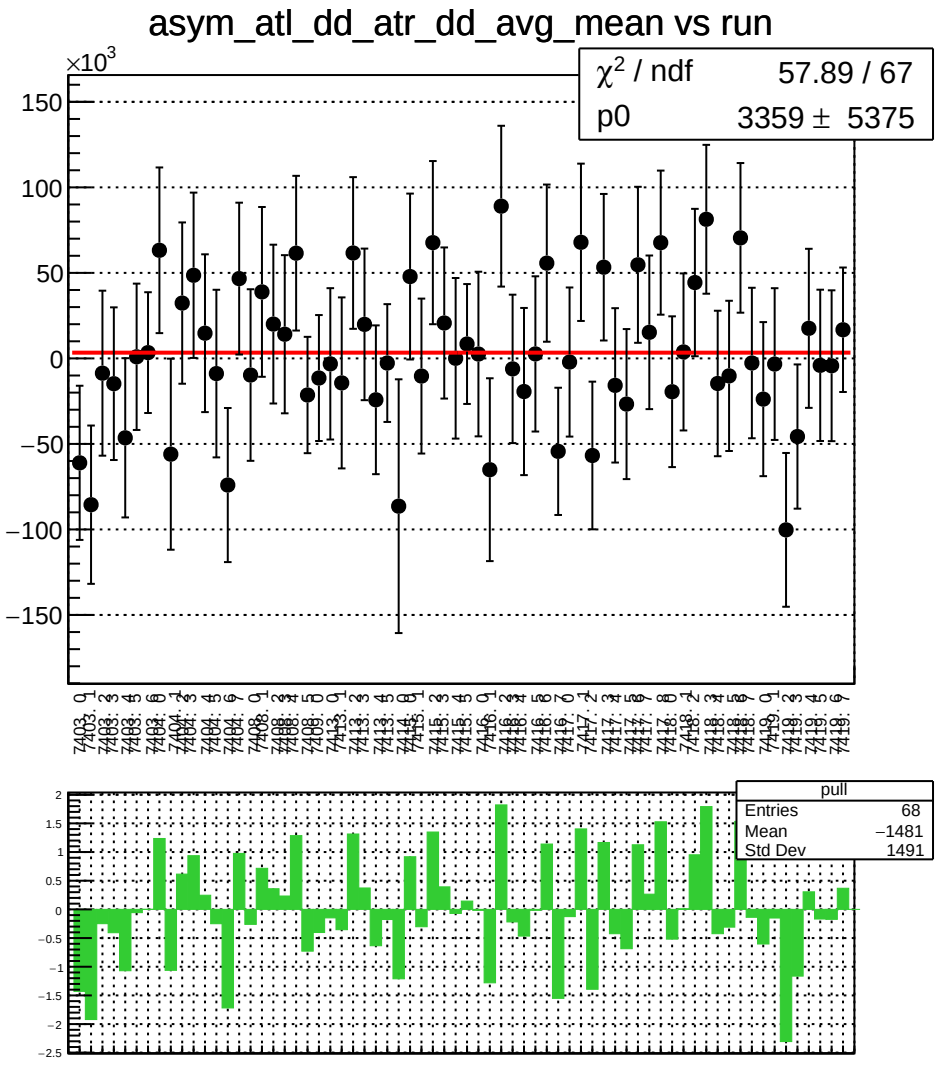

pull1D
Entries 68
Mean −0.03223
Std Dev 0.9917
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

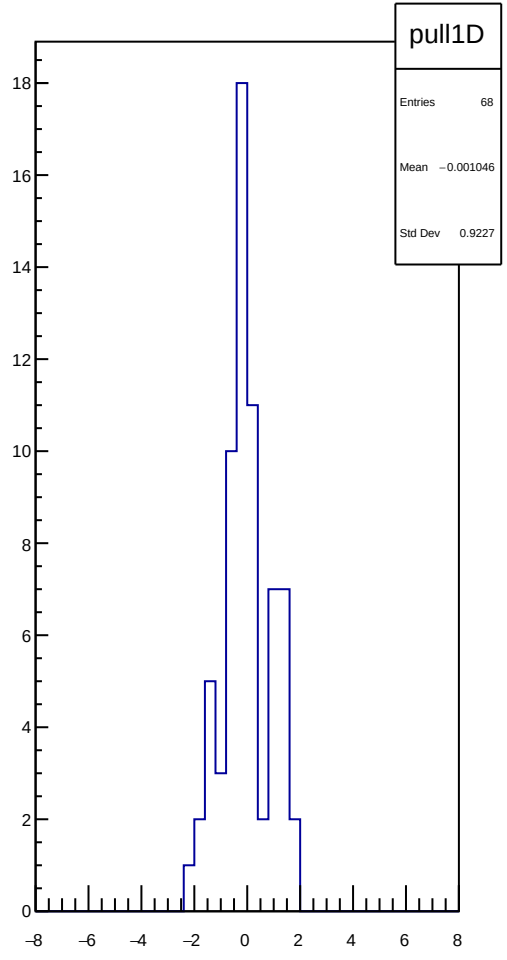

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.189e+04 / 67
p0 1295 ± 1.136
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

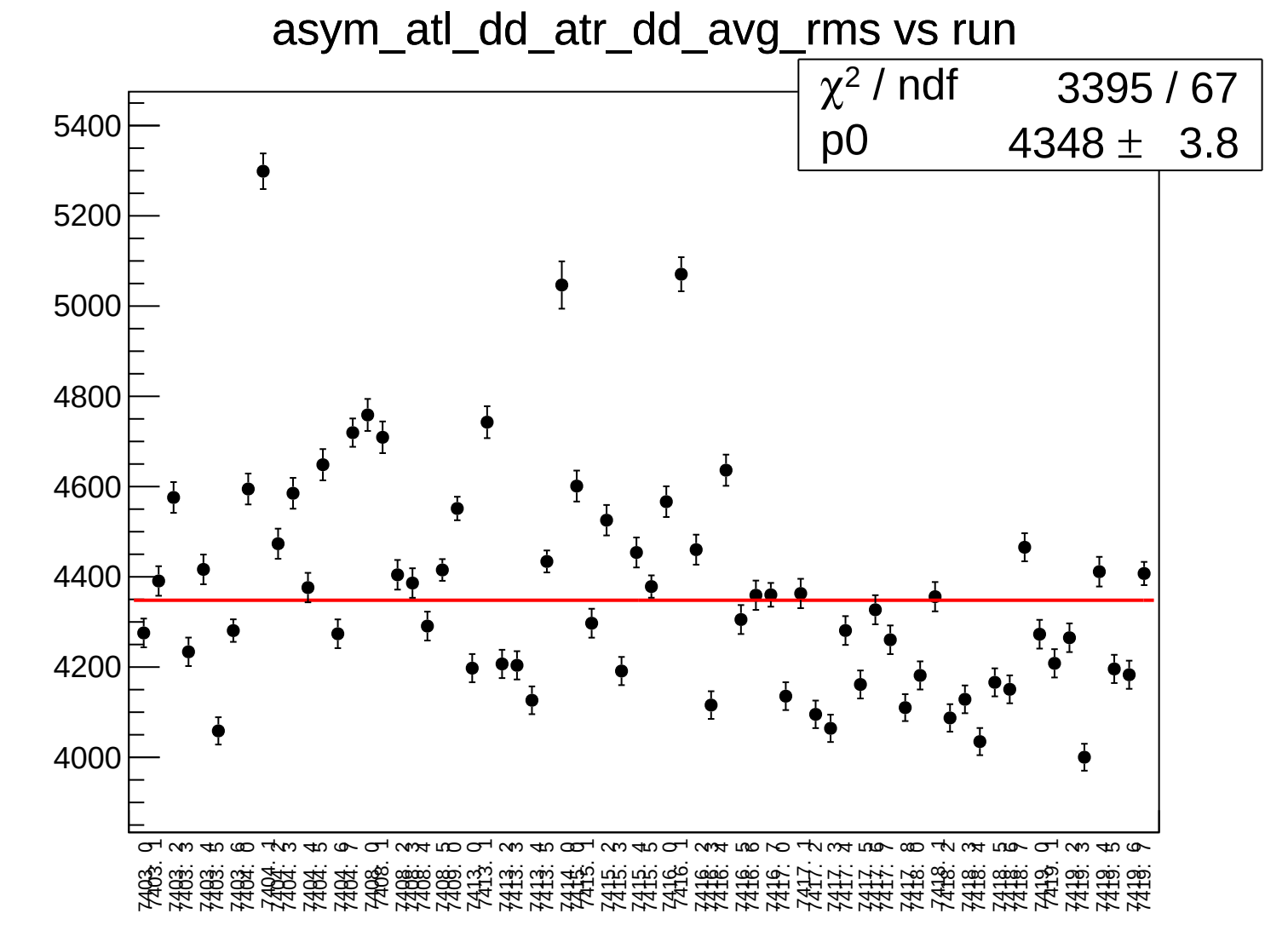

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 60.35 / 67
p0 −1352 ± 5199
150
100
50
0
−50
−100
pull
Entries 68
Mean 174.4
Std Dev 166.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

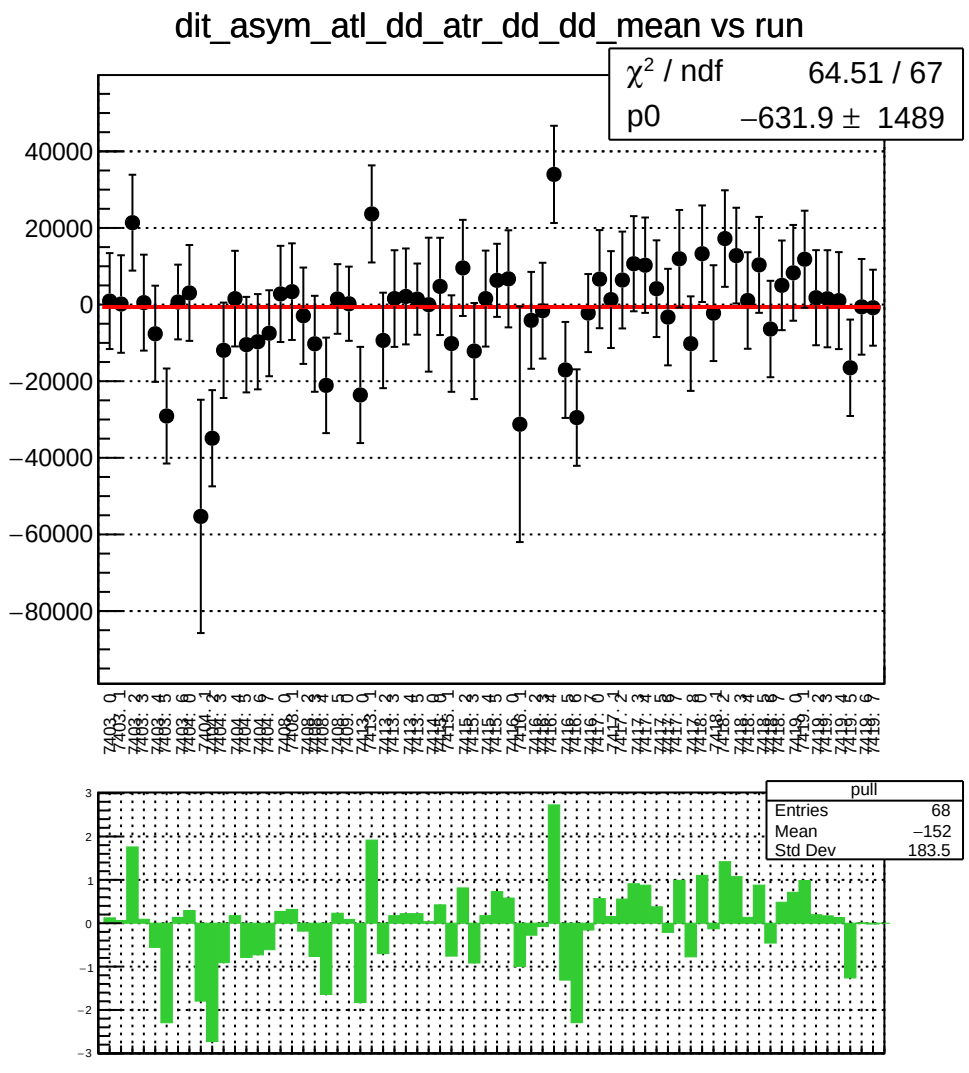

pull1D
Entries 68
Mean −0.009382
Std Dev 0.9421
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

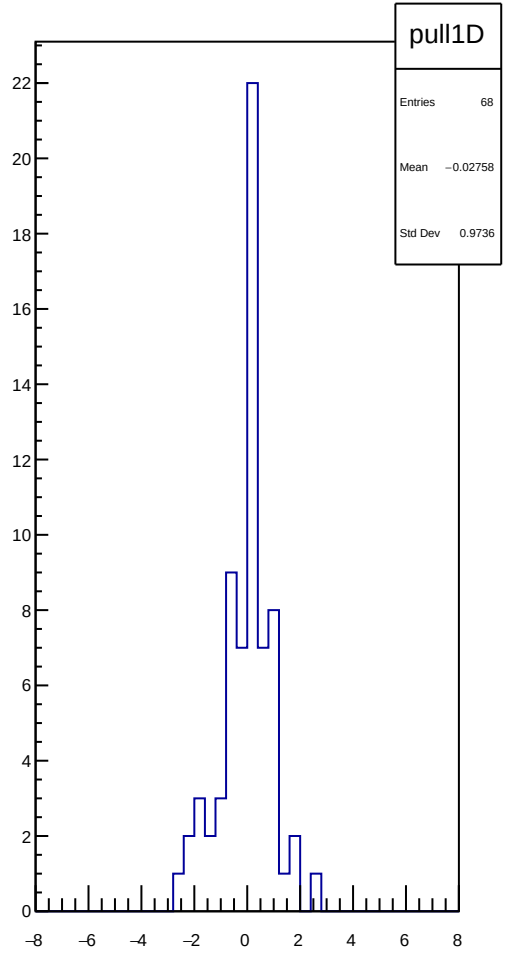

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2907 / 67
p0 4207 ± 3.676
5000
4800
4600
4400
4200
4000
3800

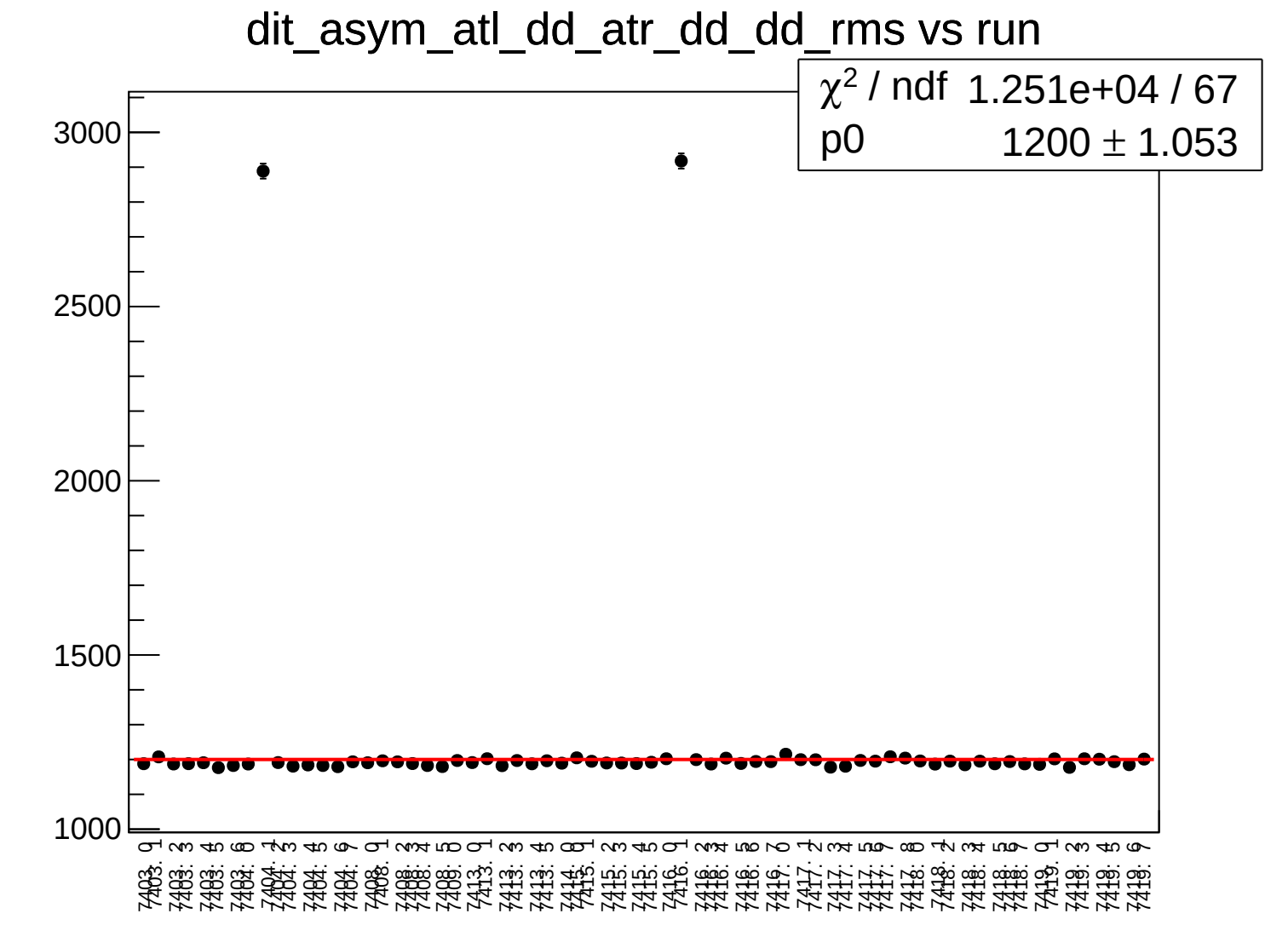

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 57.89 / 67
p0 3359 ± 5375
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean −1481
Std Dev 1491
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

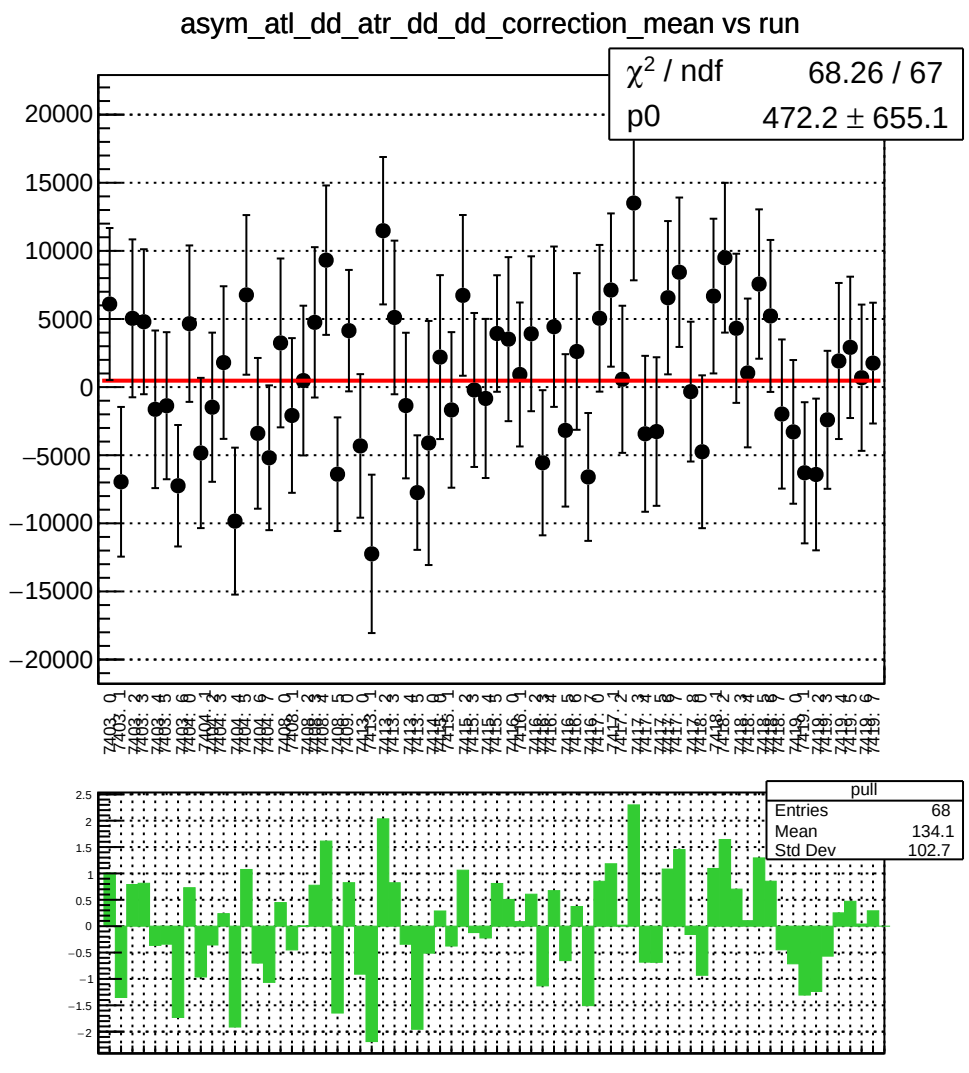

pull1D
Entries 68
Mean −0.001046
Std Dev 0.9227
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

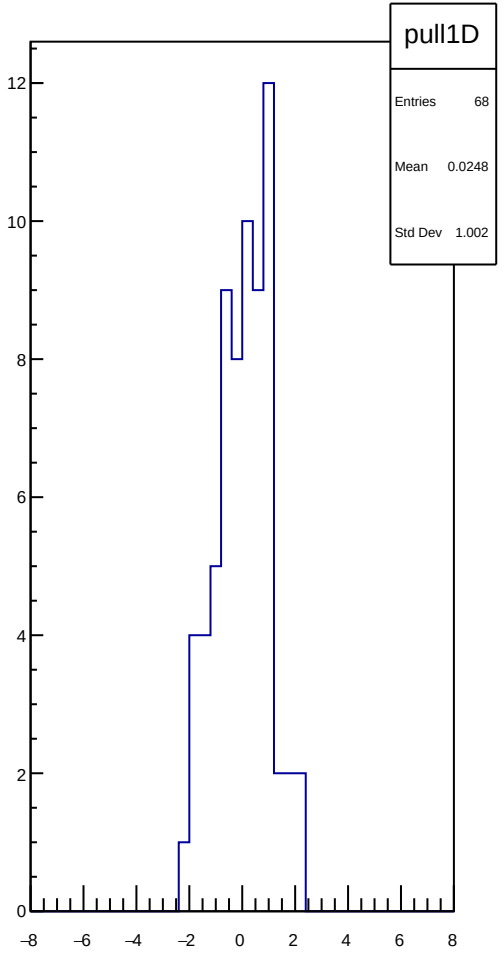

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3395 / 67
p0 4348 ± 3.8
5400
5200
5000
4800
4600
4400
4200
4000

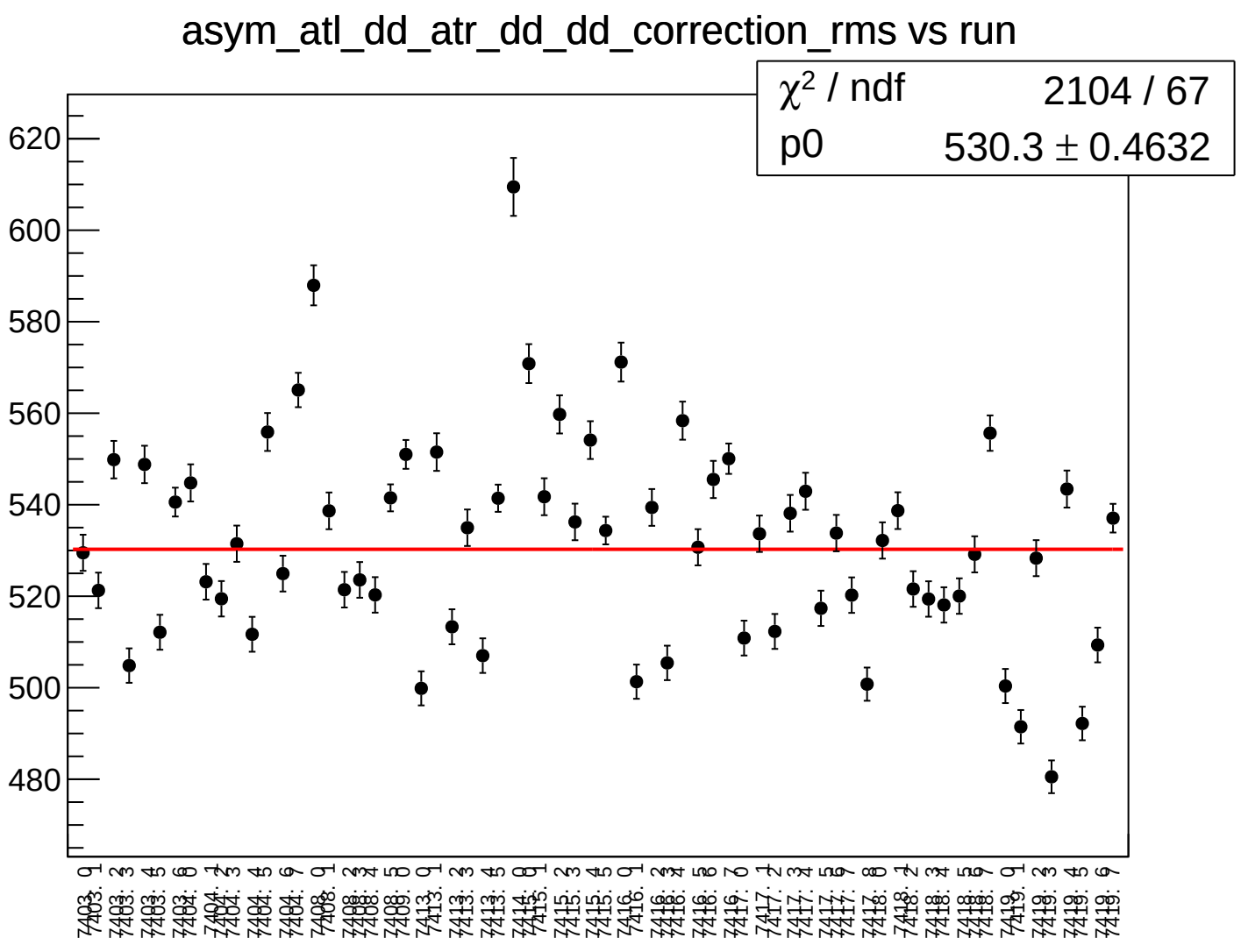

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 64.51 / 67
p0 −631.9 ± 1489
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 68
Mean −152
Std Dev 183.5
3
2
1
0
−1
−2
−3

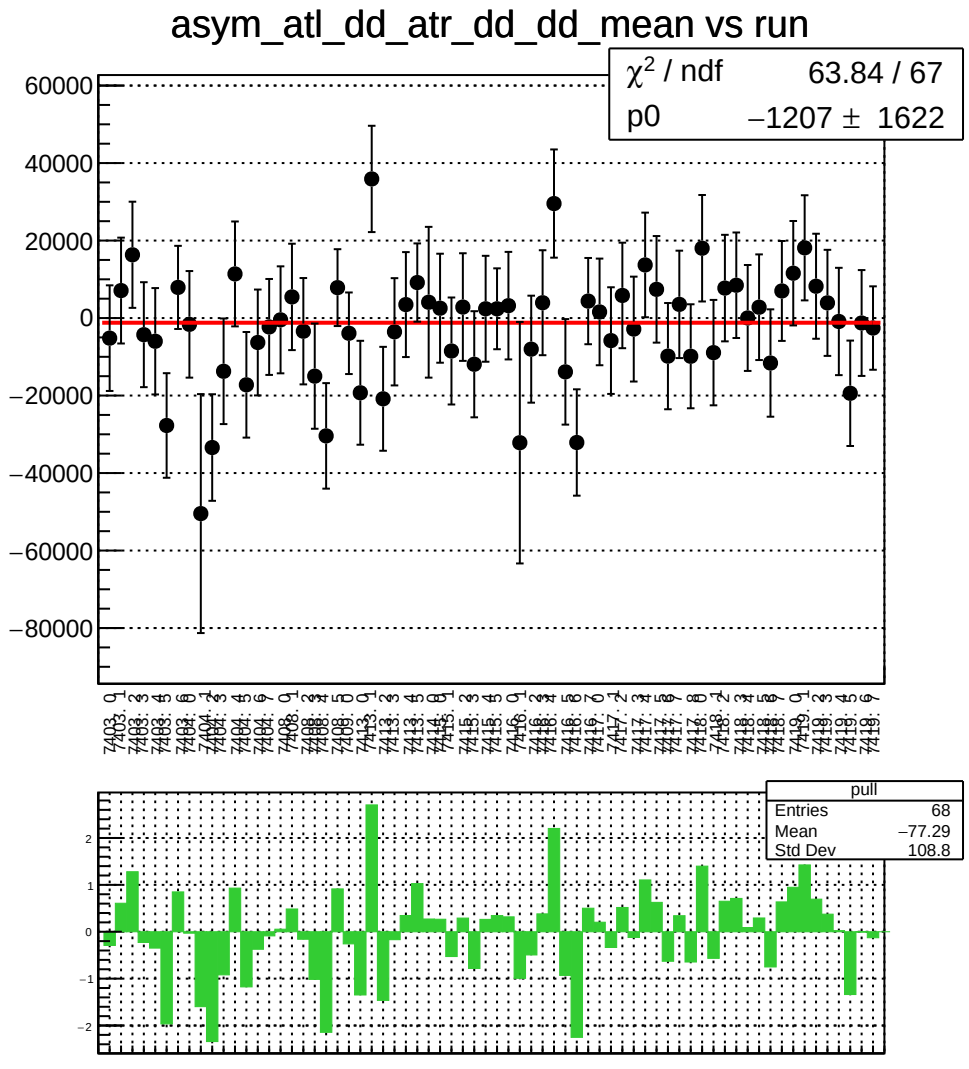

pull1D
Entries 68
Mean −0.02758
Std Dev 0.9736
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

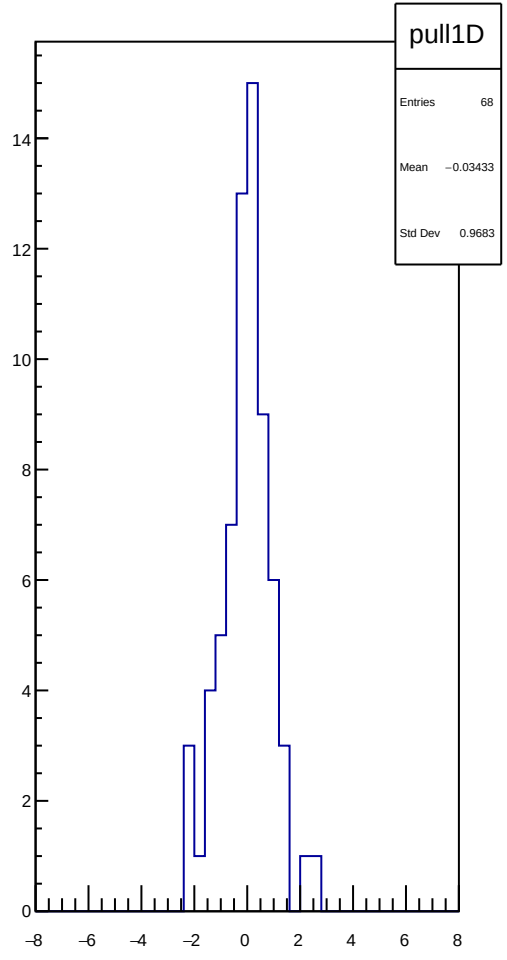

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.251e+04 / 67
p0 1200 ± 1.053
3000
2500
2000
1500
1000

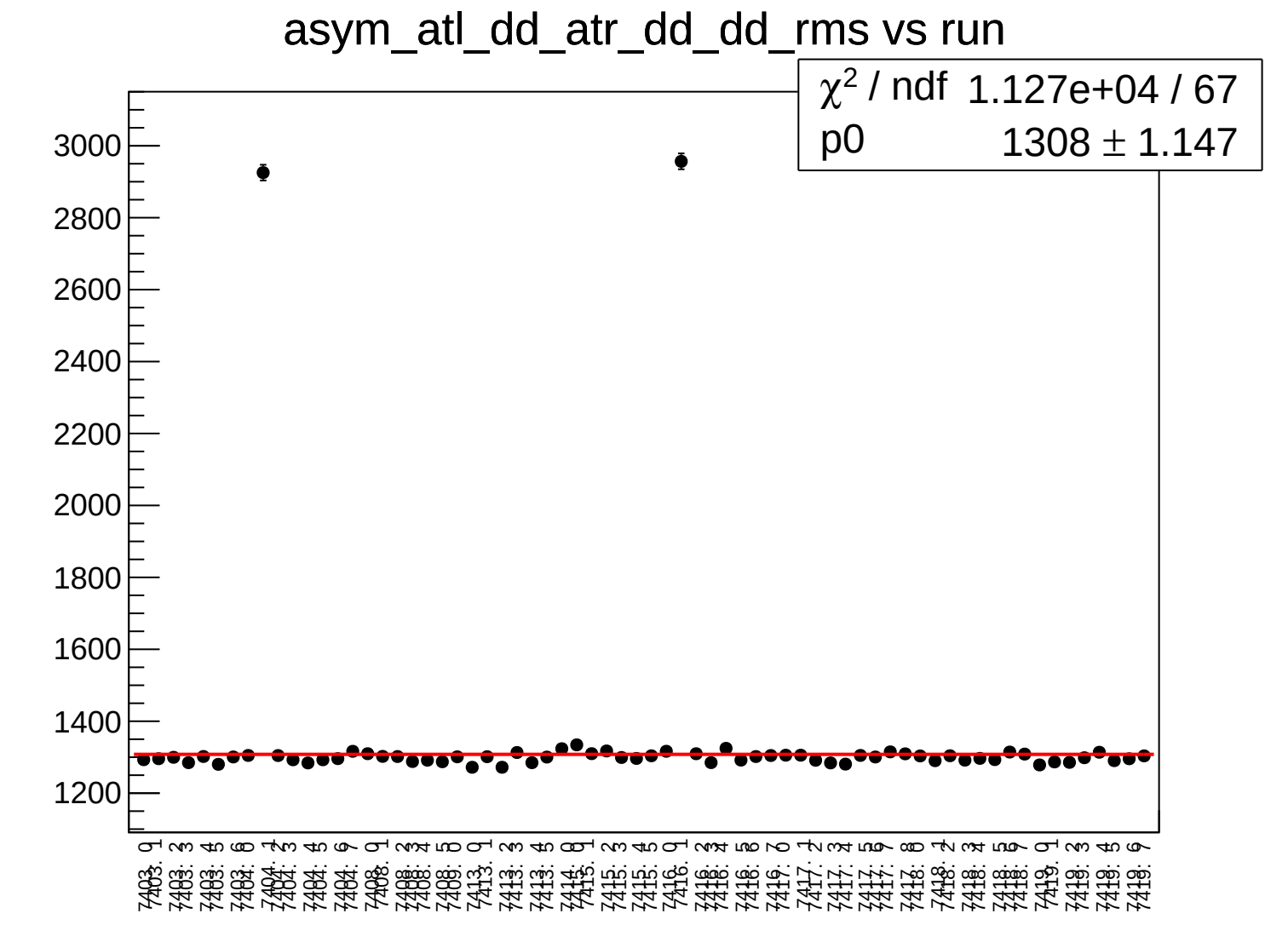

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 68.26 / 67
p0 472.2 ± 655.1
pull
Entries 68
Mean 134.1
Std Dev 102.7

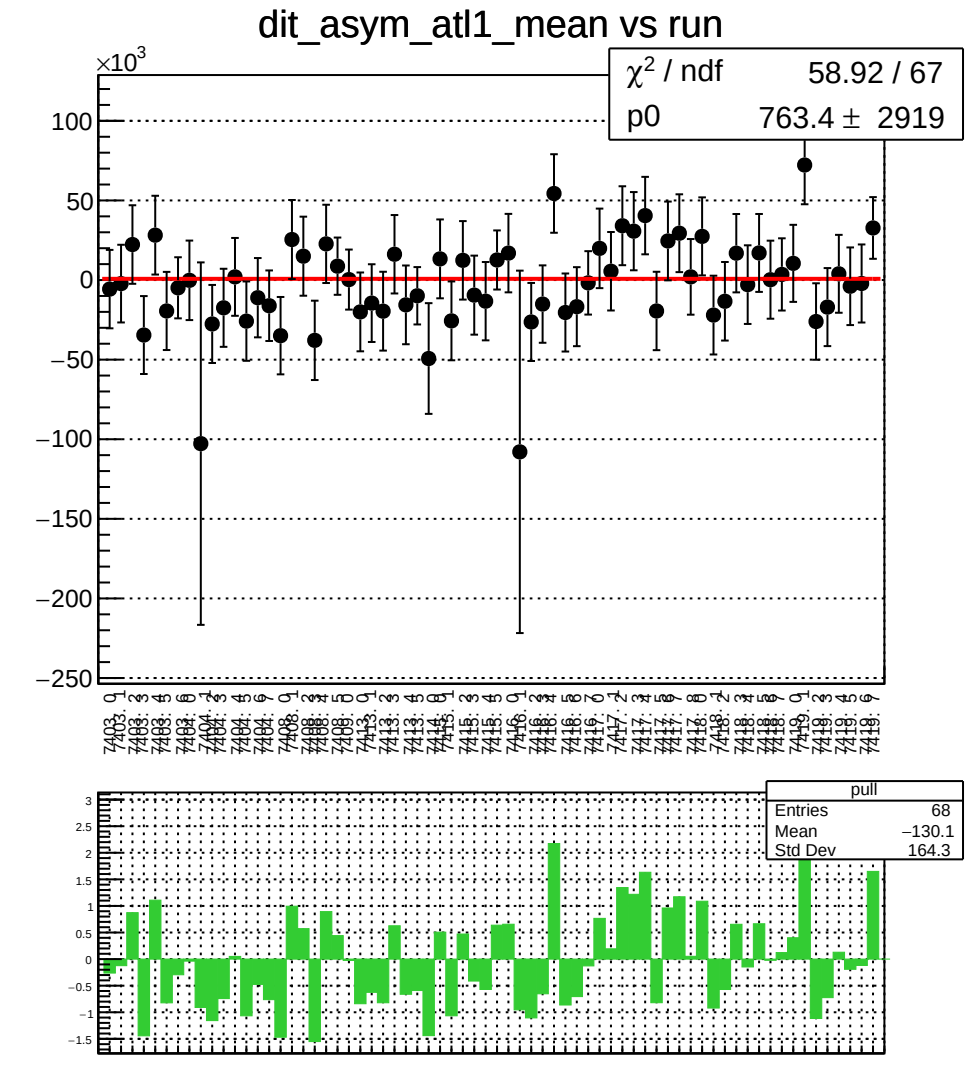

pull1D
Entries 68
Mean 0.0248
Std Dev 1.002

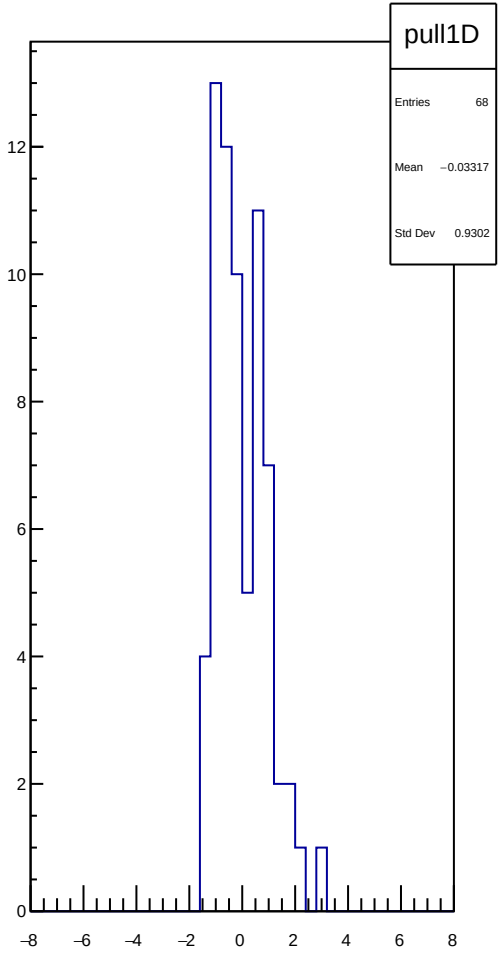

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2104 / 67
p0 530.3 ± 0.4632
620
600
580
560
540
520
500
480

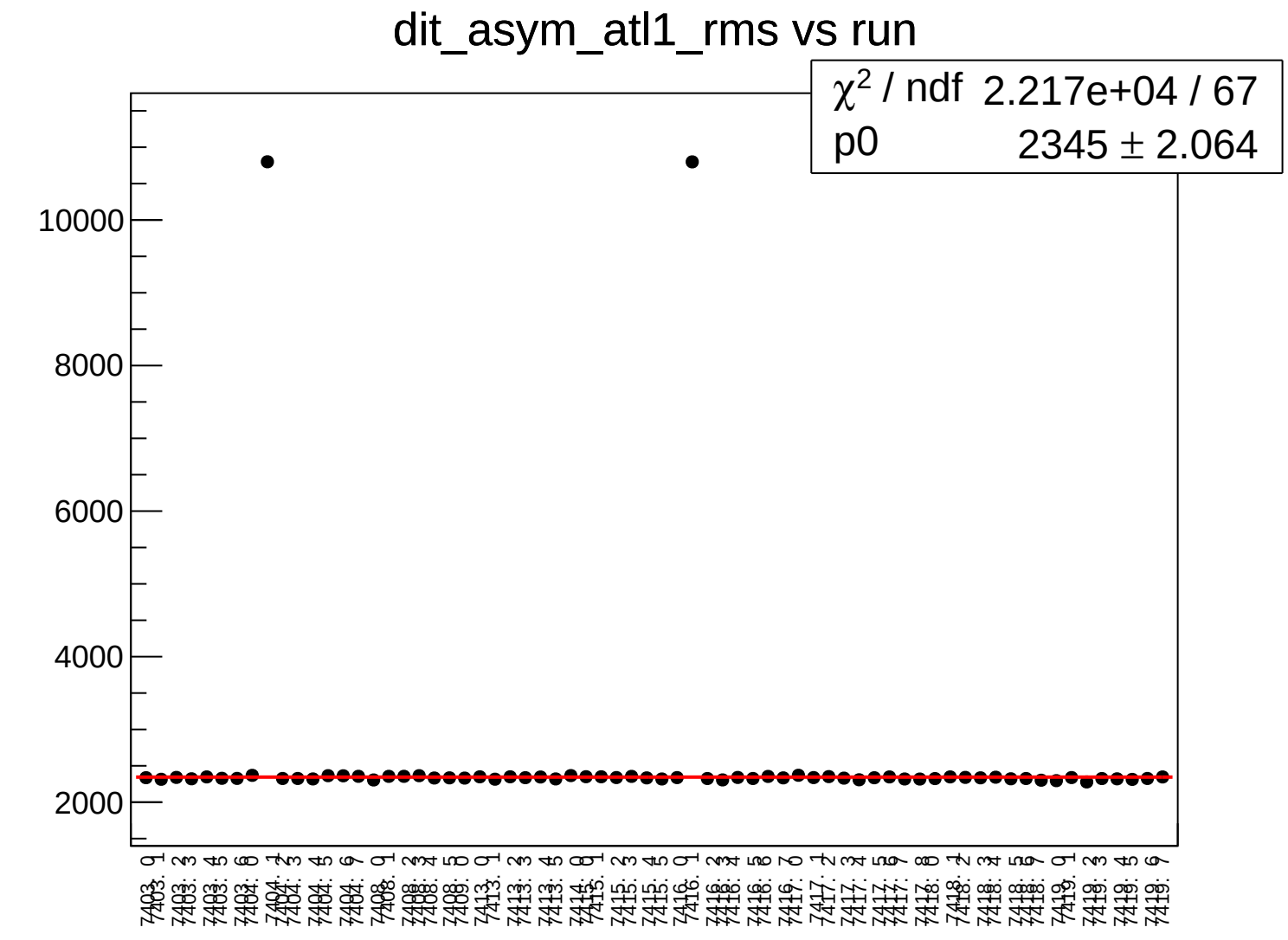

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.84 / 67
p0 −1207 ± 1622
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 68
Mean −77.29
Std Dev 108.8
2
1
0
−1
−2

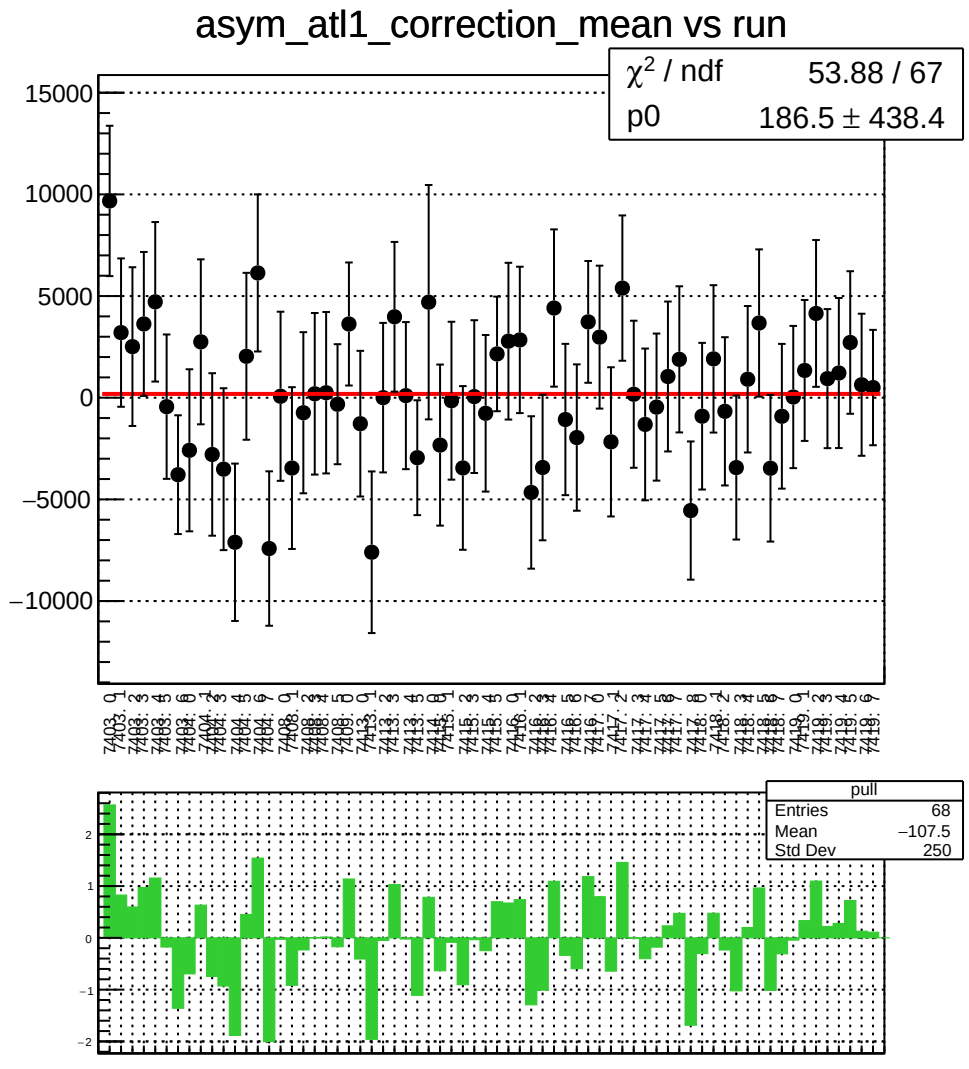

pull1D
Entries 68
Mean −0.03433
Std Dev 0.9683
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

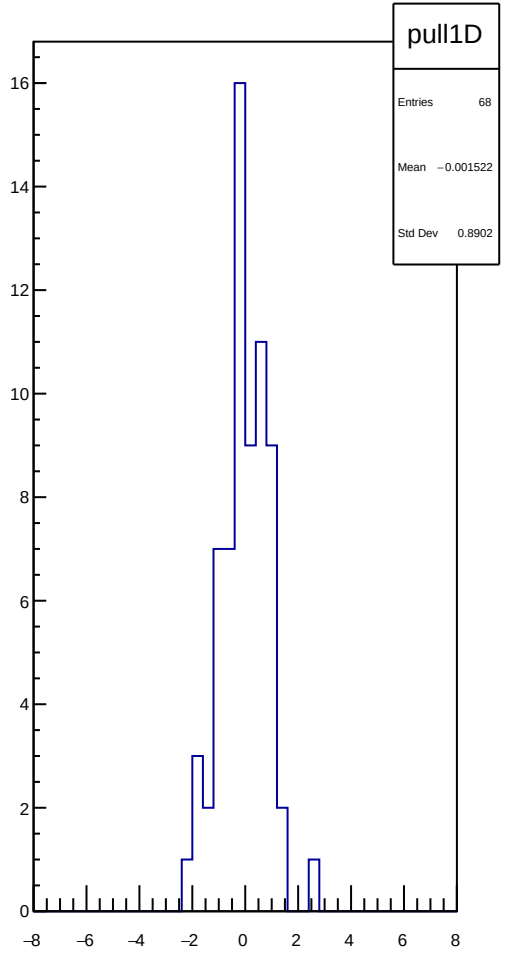

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.127e+04 / 67
p0 1308 ± 1.147
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

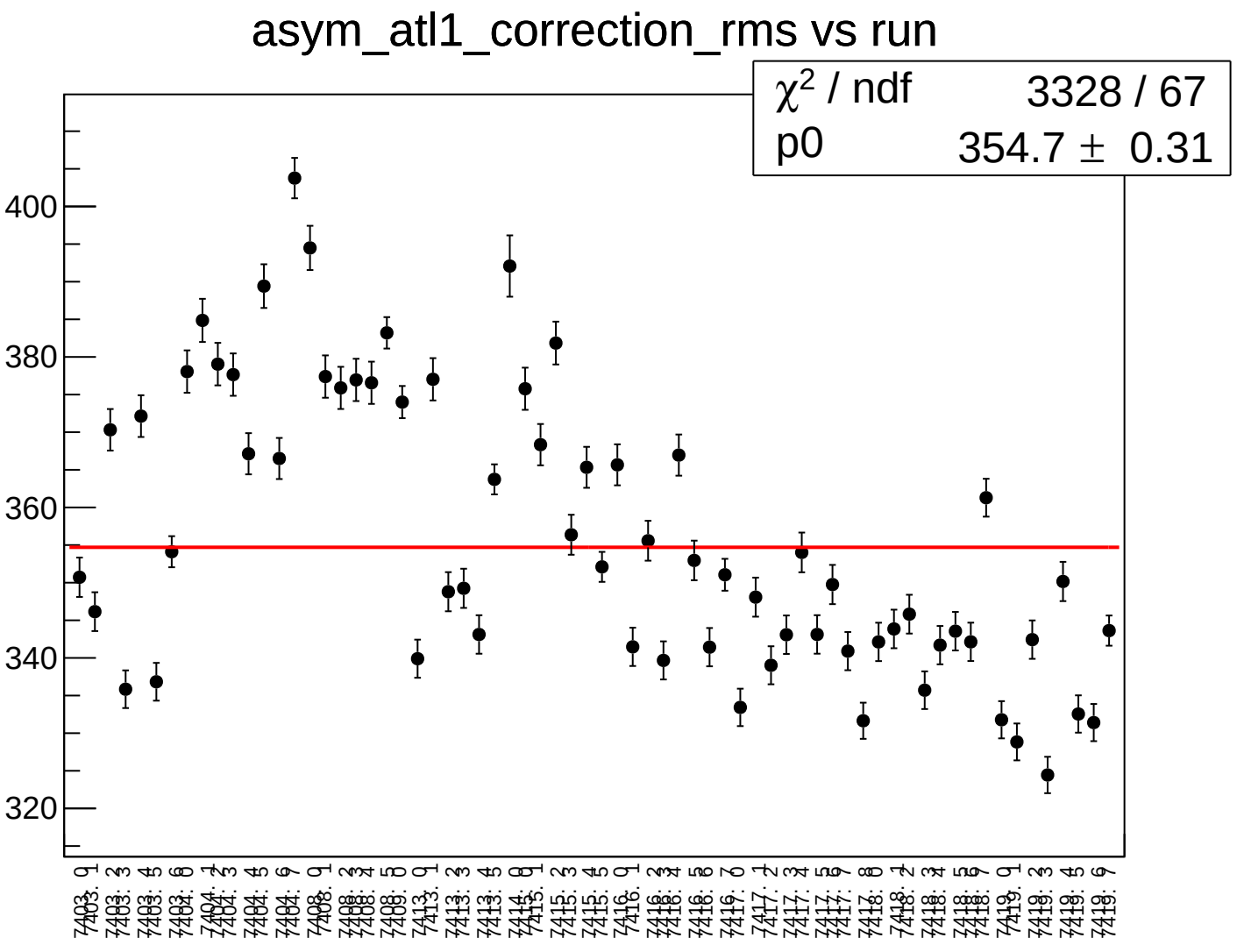

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 58.92 / 67
p0 763.4 ± 2919
pull
Entries 68
Mean −130.1
Std Dev 164.3

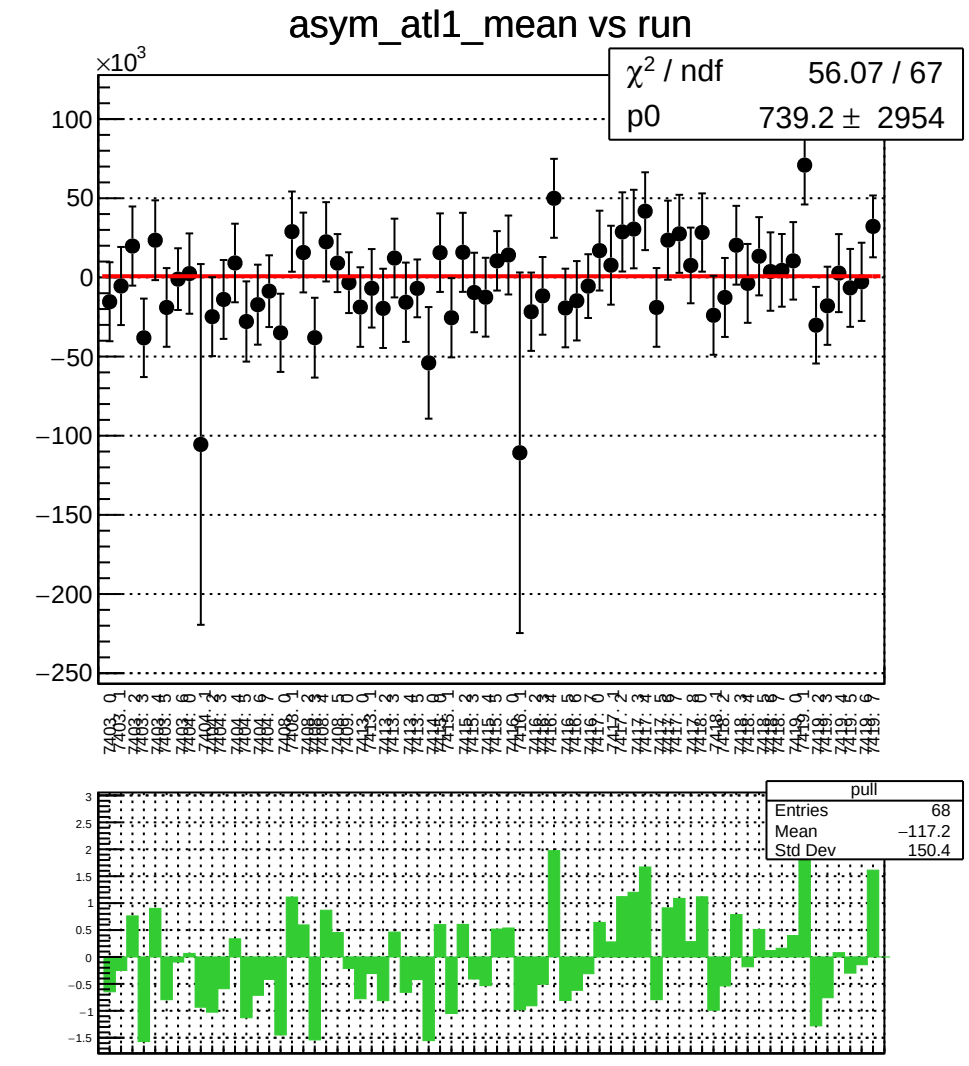

pull1D
Entries 68
Mean −0.03317
Std Dev 0.9302

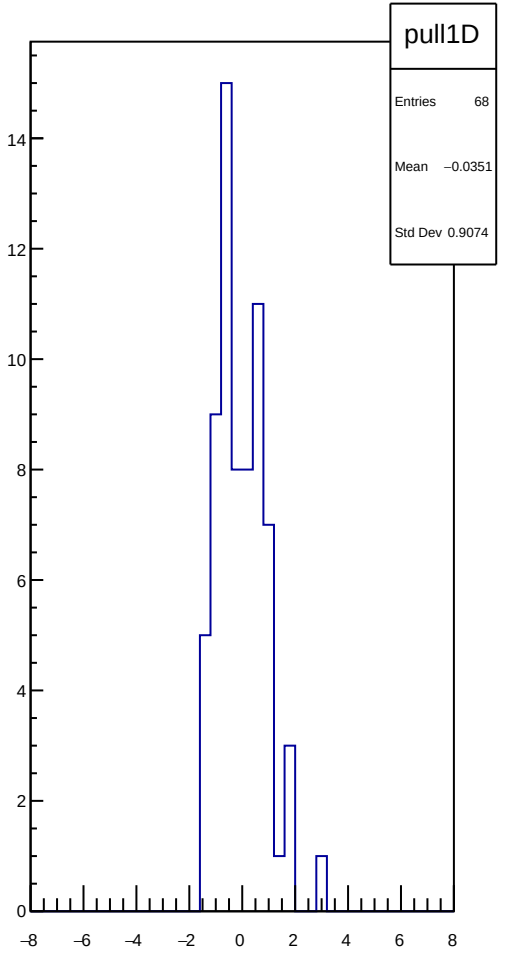

dit_asym_atl1_rms vs run
χ² / ndf 2.217e+04 / 67
p0 2345 ± 2.064
10000
8000
6000
4000
2000

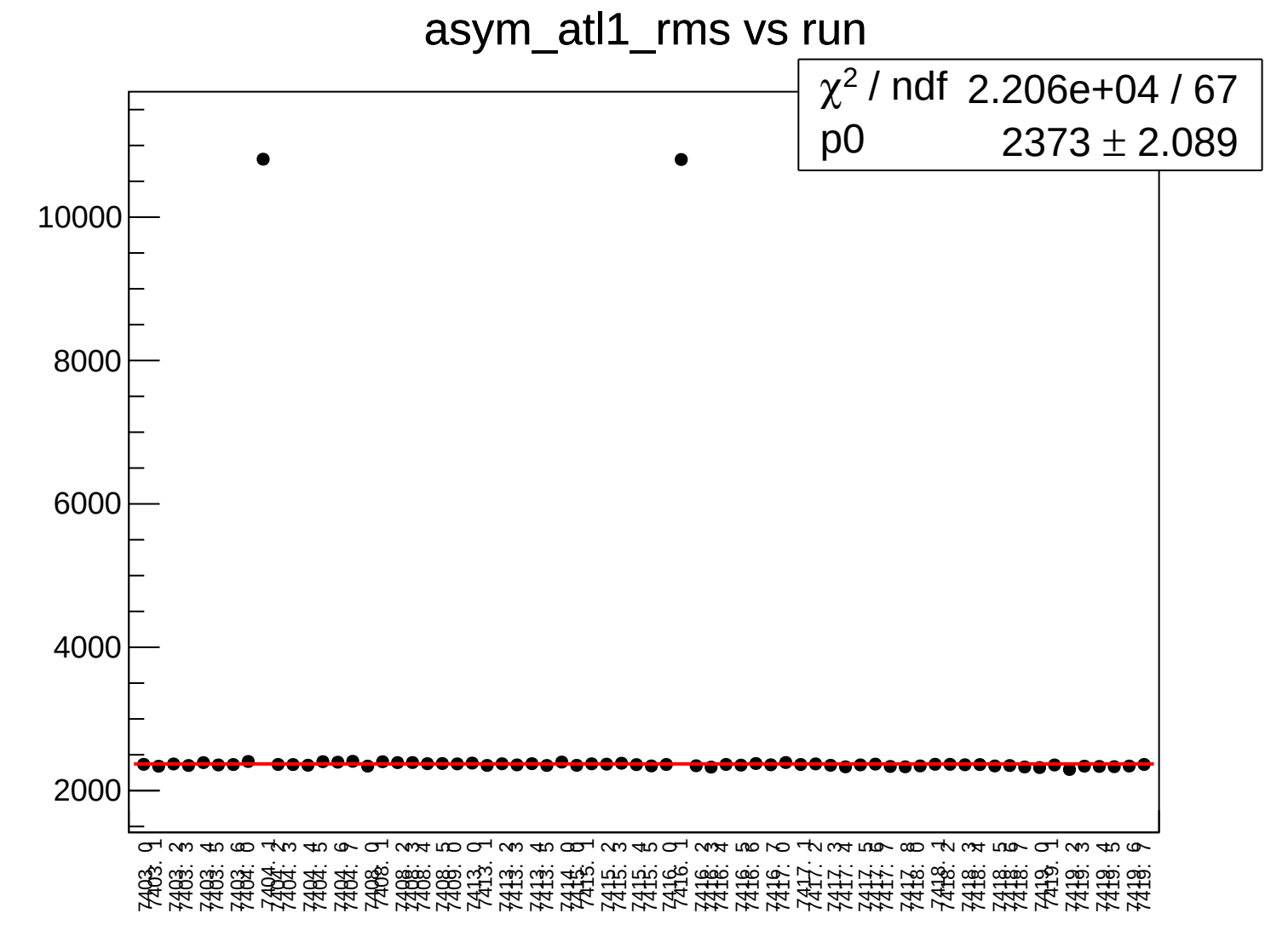

asym_atl1_correction_mean vs run
χ² / ndf 53.88 / 67
p0 186.5 ± 438.4
15000
10000
5000
0
−5000
−10000
pull
Entries 68
Mean −107.5
Std Dev 250
2
1
0
−1
−2

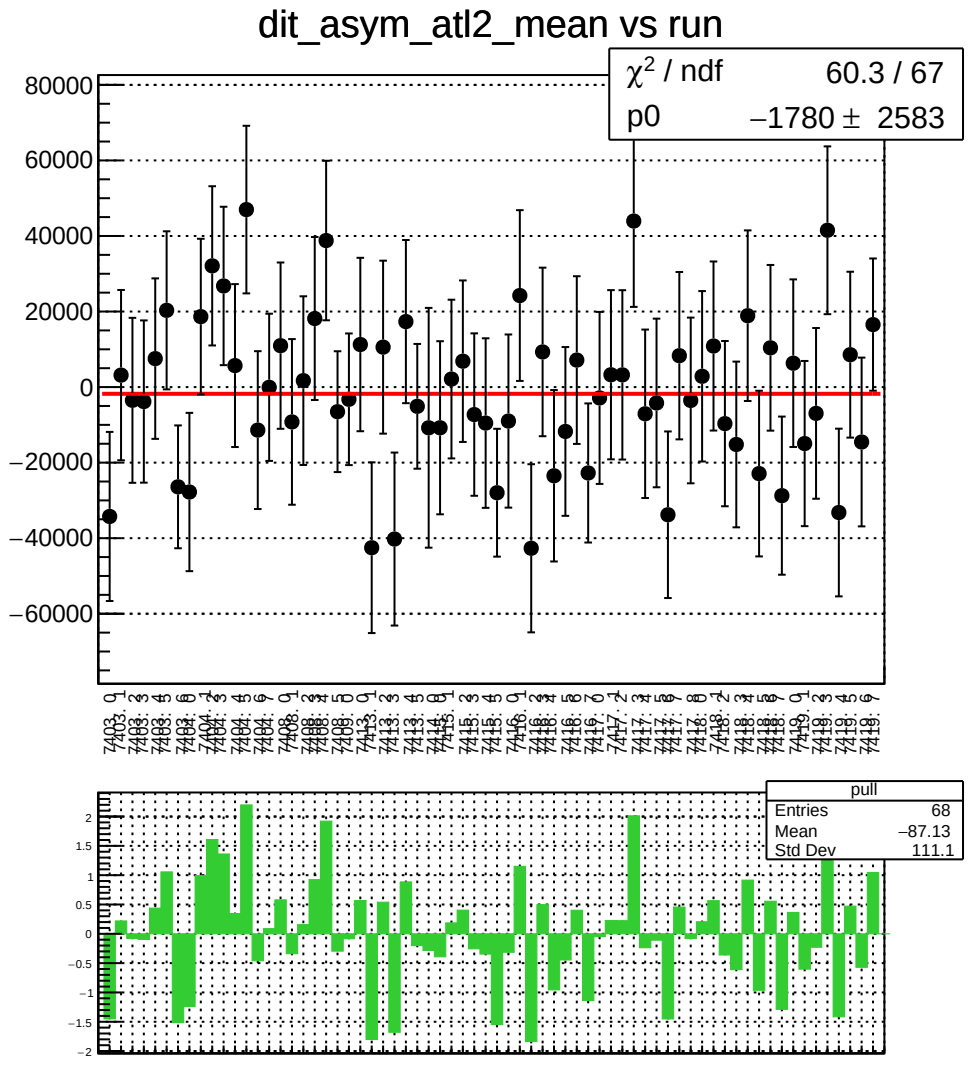

pull1D
Entries 68
Mean −0.001522
Std Dev 0.8902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

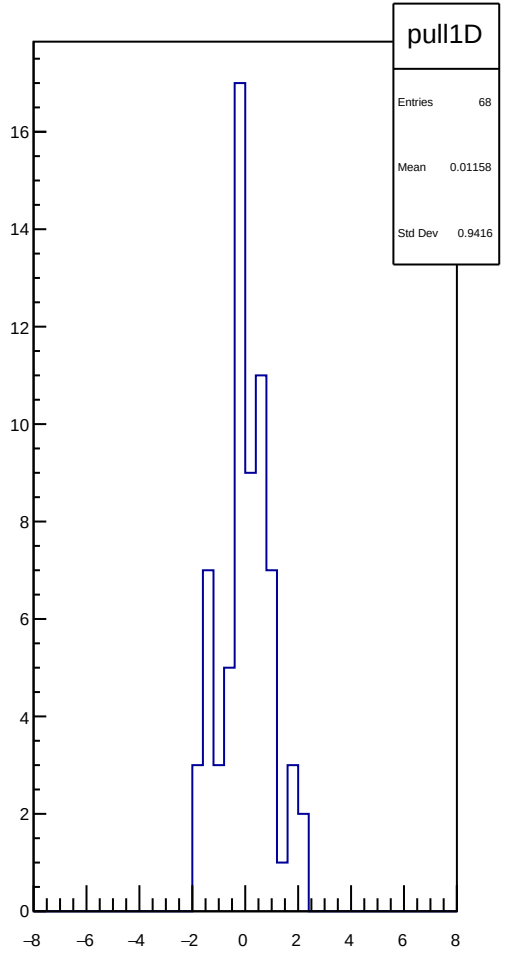

asym_atl1_correction_rms vs run
χ² / ndf 3328 / 67
p0 354.7 ± 0.31
400
380
360
340
320

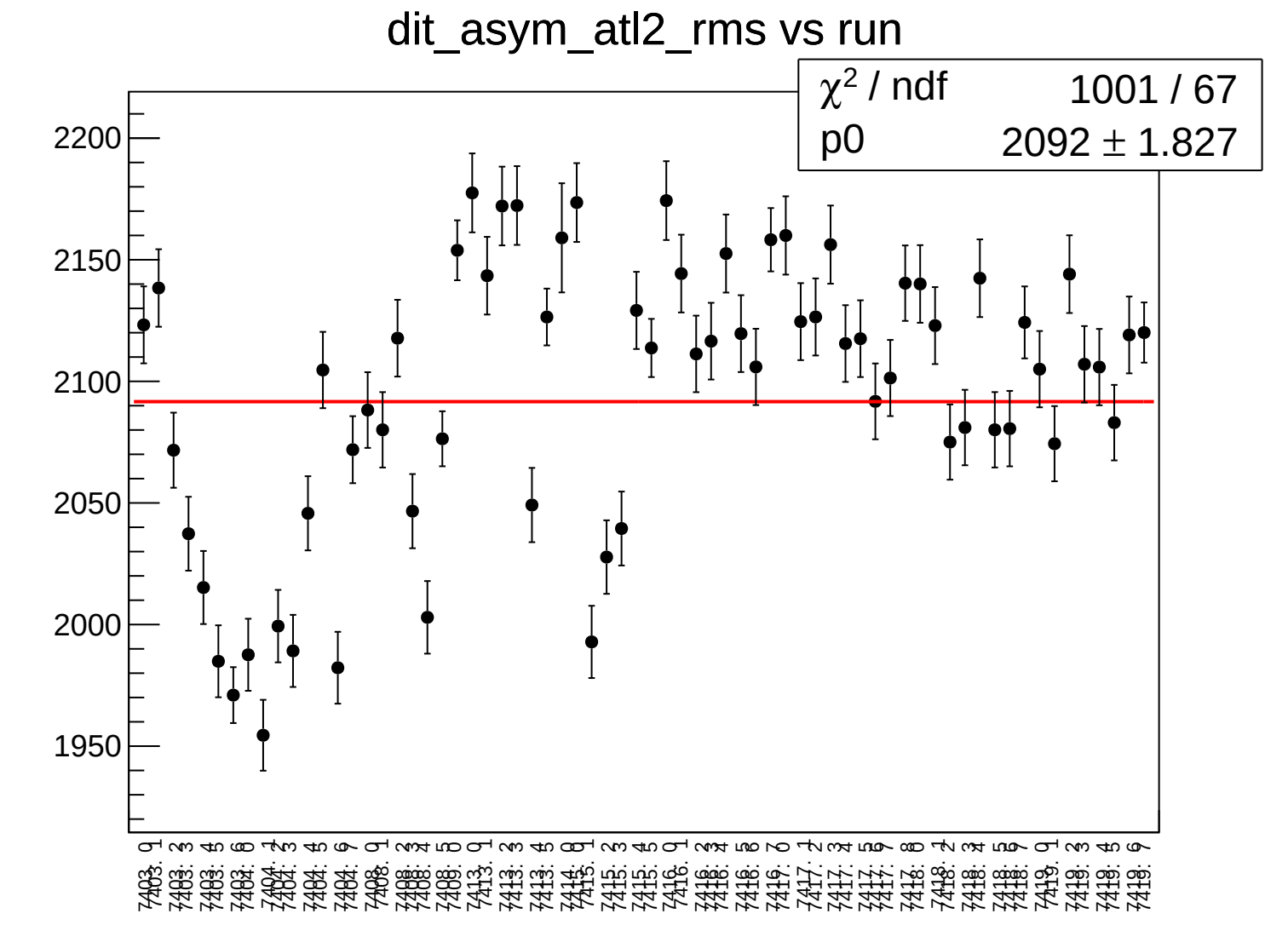

asym_atl1_mean vs run
×10^3
χ² / ndf 56.07 / 67
p0 739.2 ± 2954
100
50
0
−50
−100
−150
−200
−250
pull
Entries 68
Mean −117.2
Std Dev 150.4
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

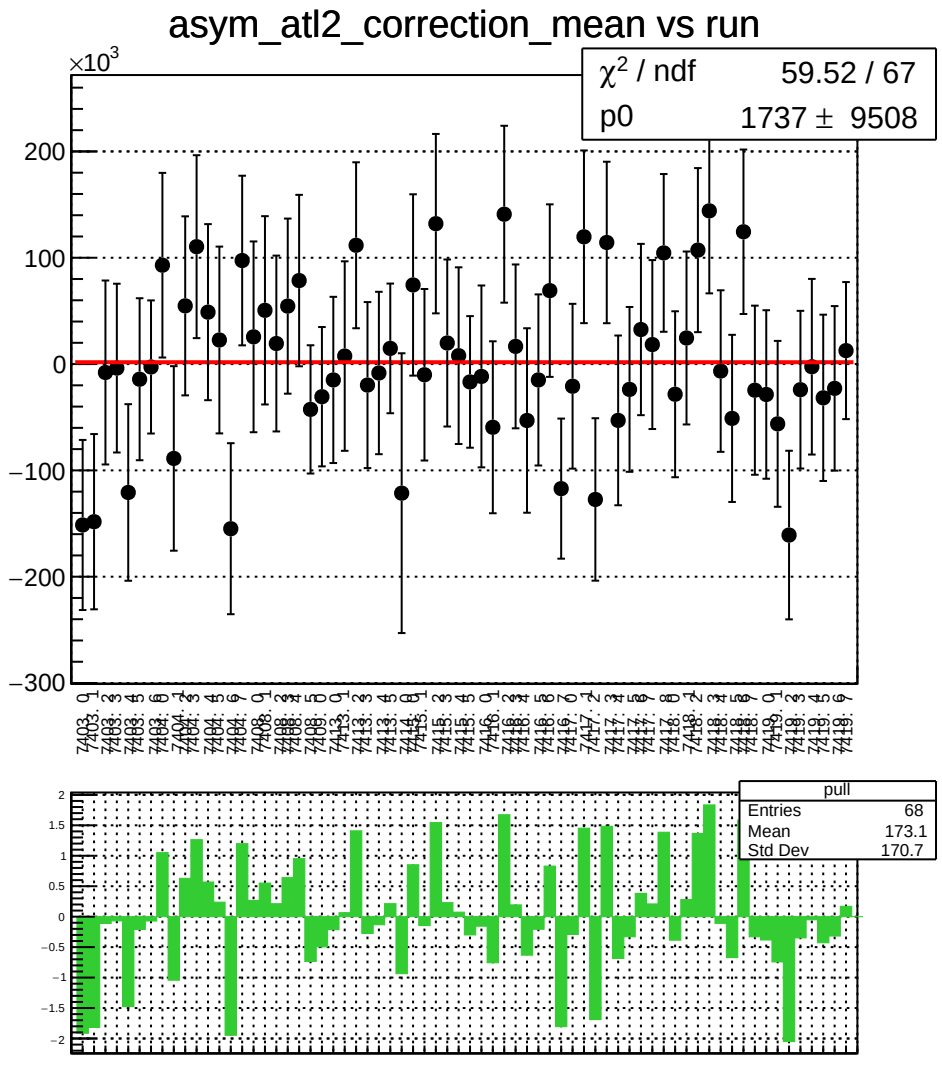

pull1D
Entries 68
Mean −0.0351
Std Dev 0.9074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

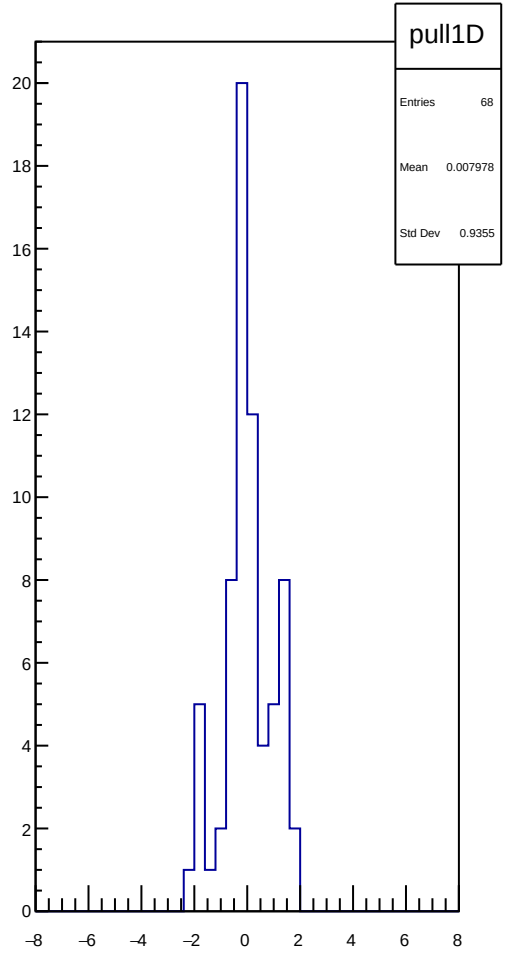

asym_atl1_rms vs run
χ² / ndf 2.206e+04 / 67
p0 2373 ± 2.089
10000
8000
6000
4000
2000

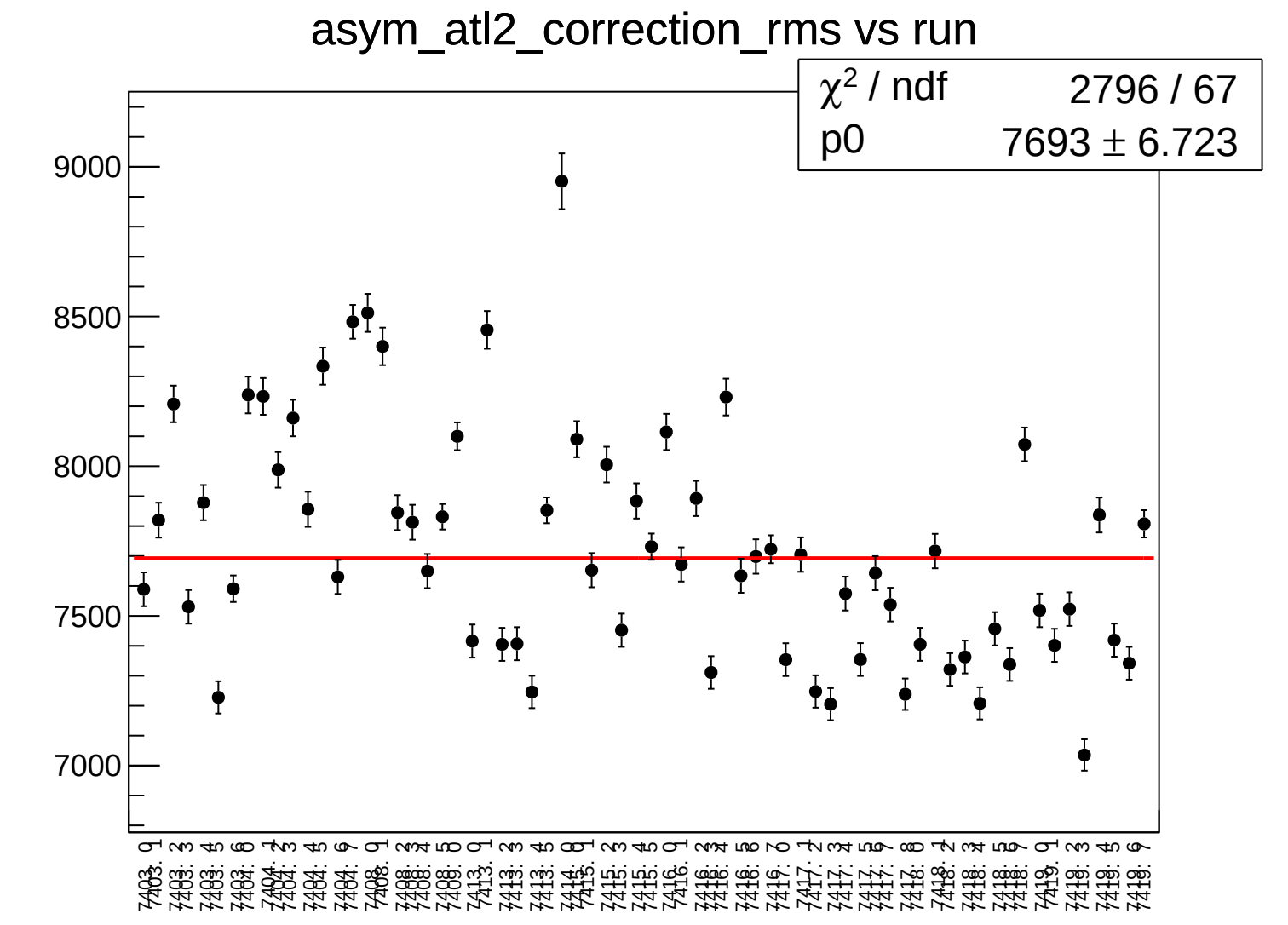

dit_asym_atl2_mean vs run
χ² / ndf 60.3 / 67
p0 −1780 ± 2583
pull
Entries 68
Mean −87.13
Std Dev 111.1

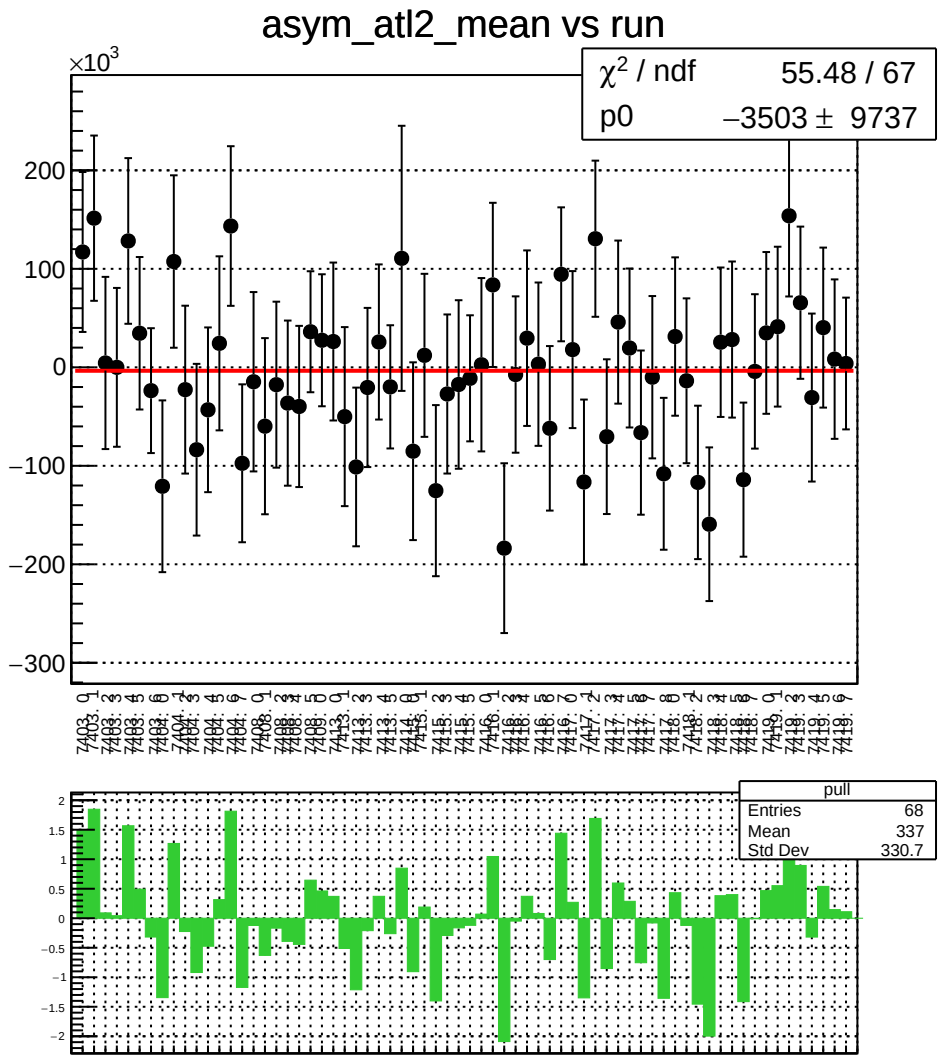

pull1D
Entries 68
Mean 0.01158
Std Dev 0.9416

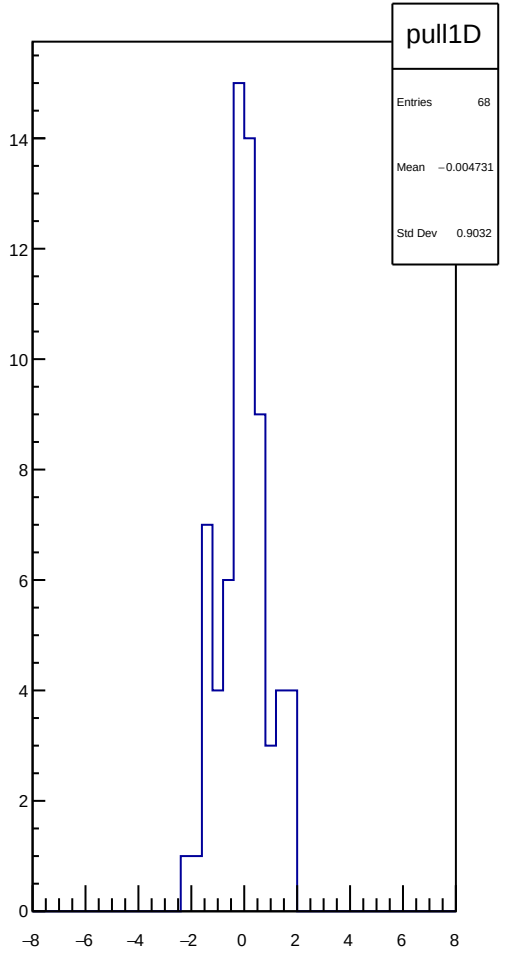

dit_asym_atl2_rms vs run
χ² / ndf 1001 / 67
p0 2092 ± 1.827
2200
2150
2100
2050
2000
1950

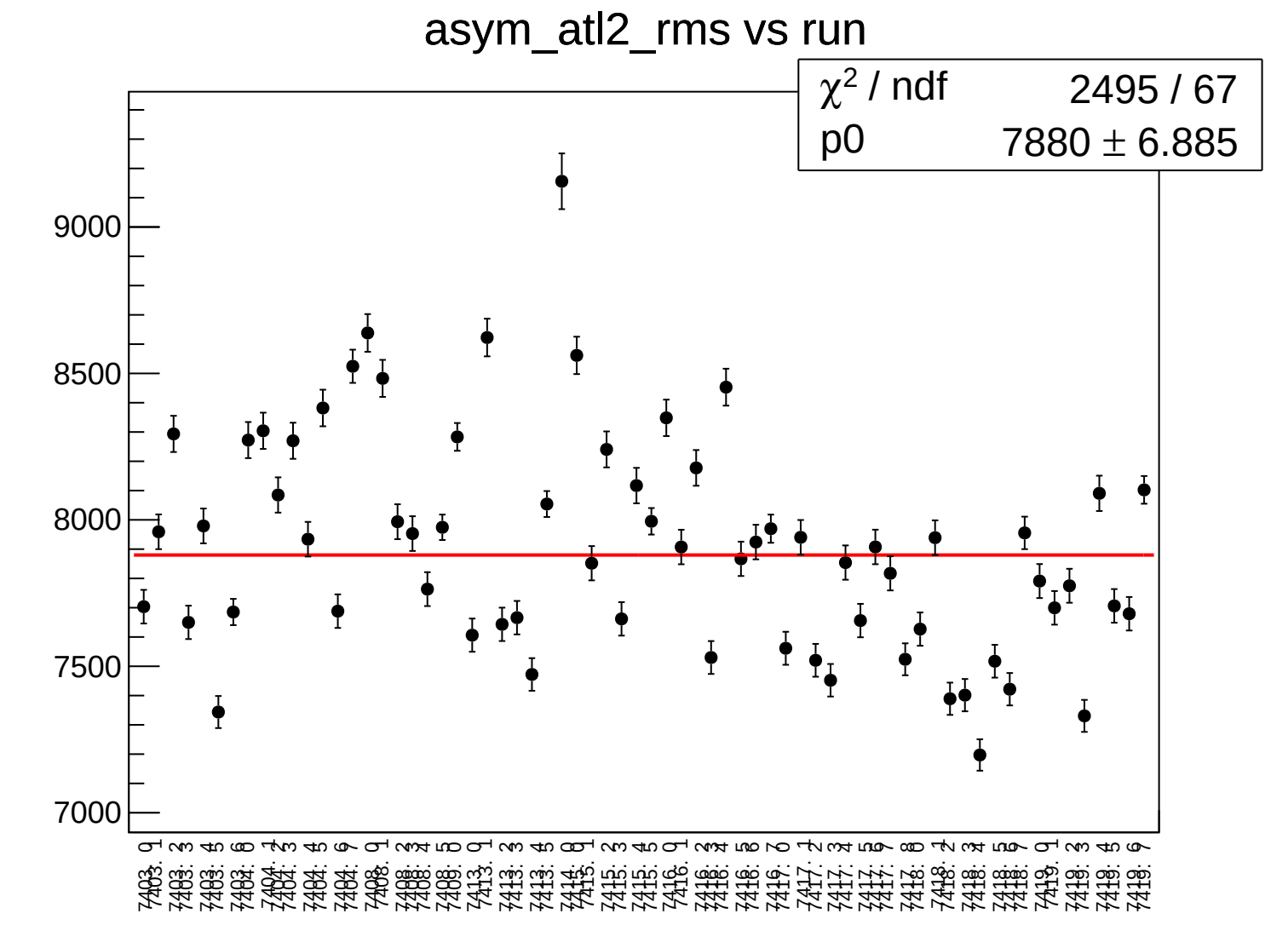

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 59.52 / 67
p0 1737 ± 9508
200
100
0
−100
−200
−300
pull
Entries 68
Mean 173.1
Std Dev 170.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

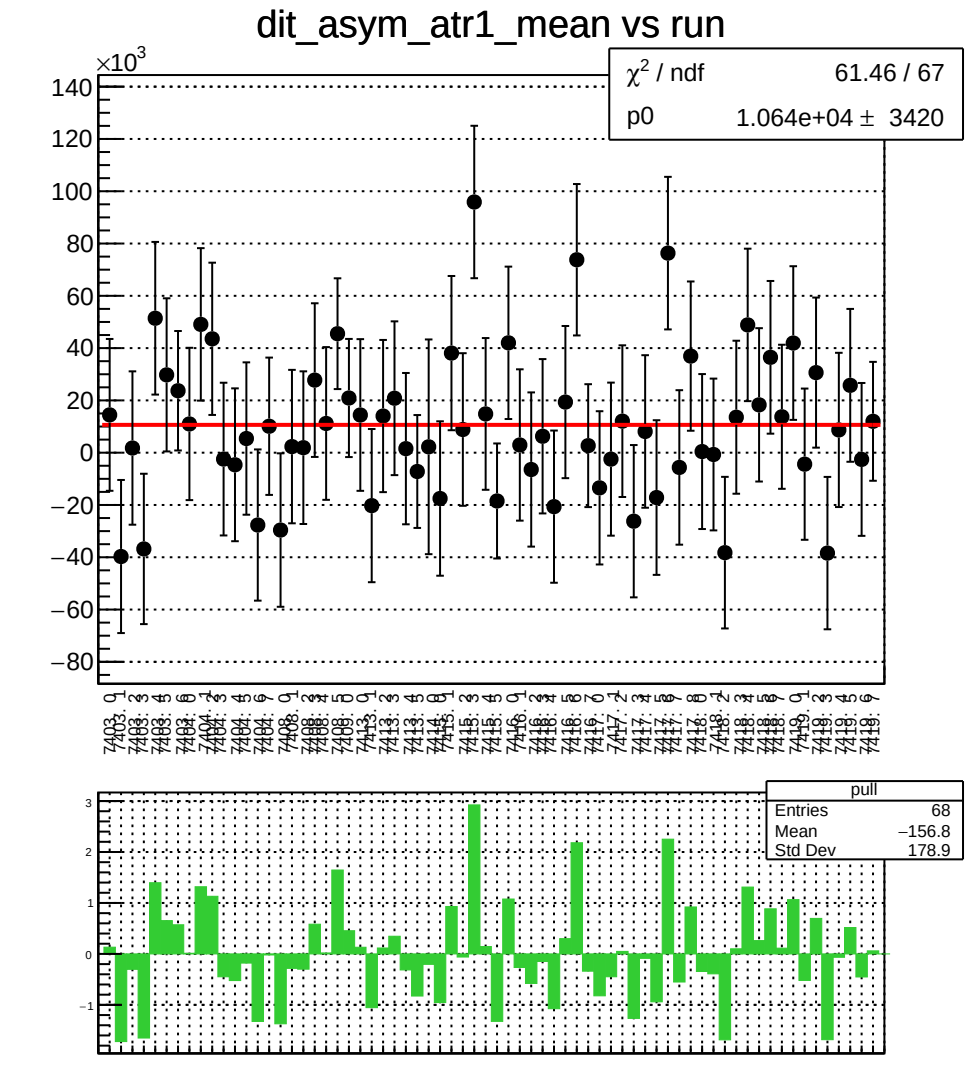

pull1D
Entries 68
Mean 0.007978
Std Dev 0.9355
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

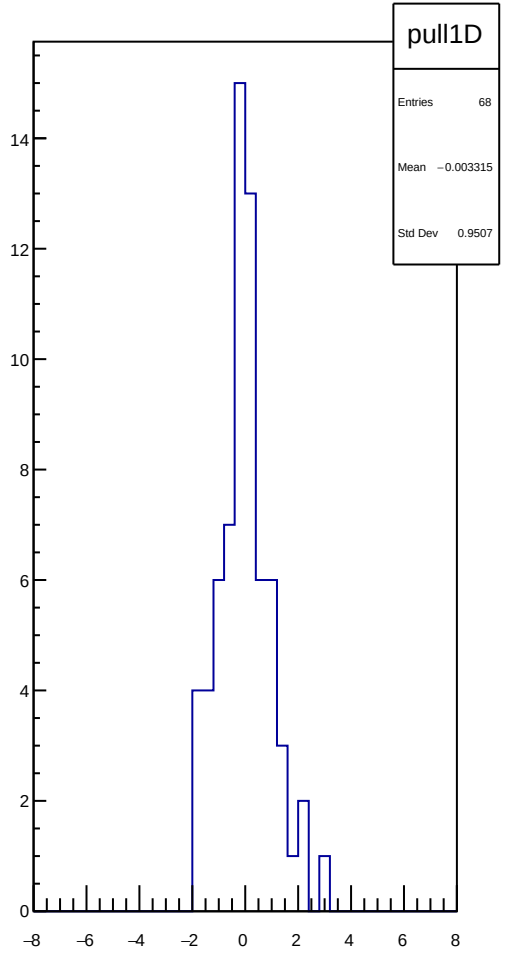

asym_atl2_correction_rms vs run
χ² / ndf 2796 / 67
p0 7693 ± 6.723
9000
8500
8000
7500
7000

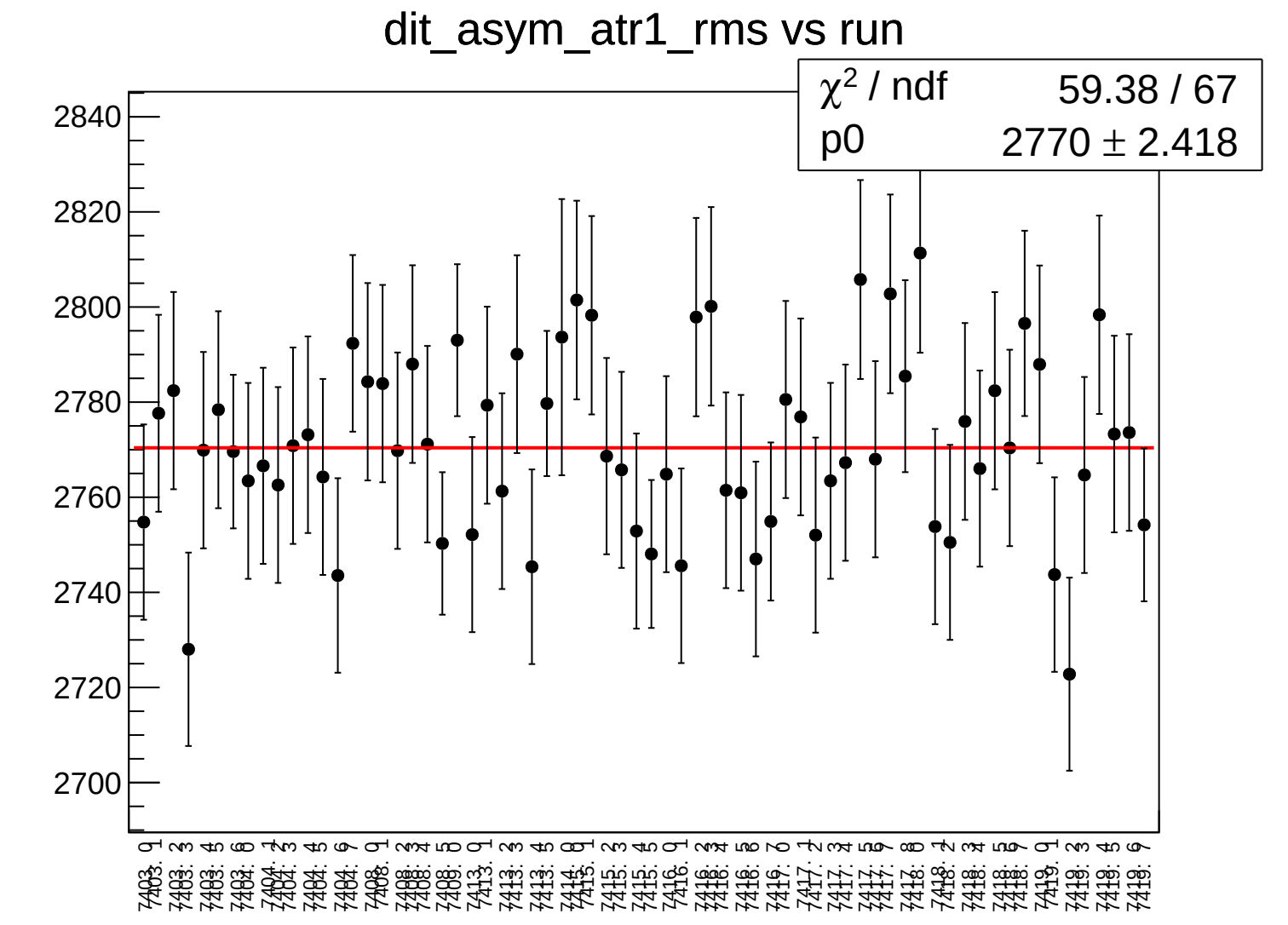

asym_atl2_mean vs run
×10^3
χ² / ndf 55.48 / 67
p0 −3503 ± 9737
200
100
0
−100
−200
−300
pull
Entries 68
Mean 337
Std Dev 330.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

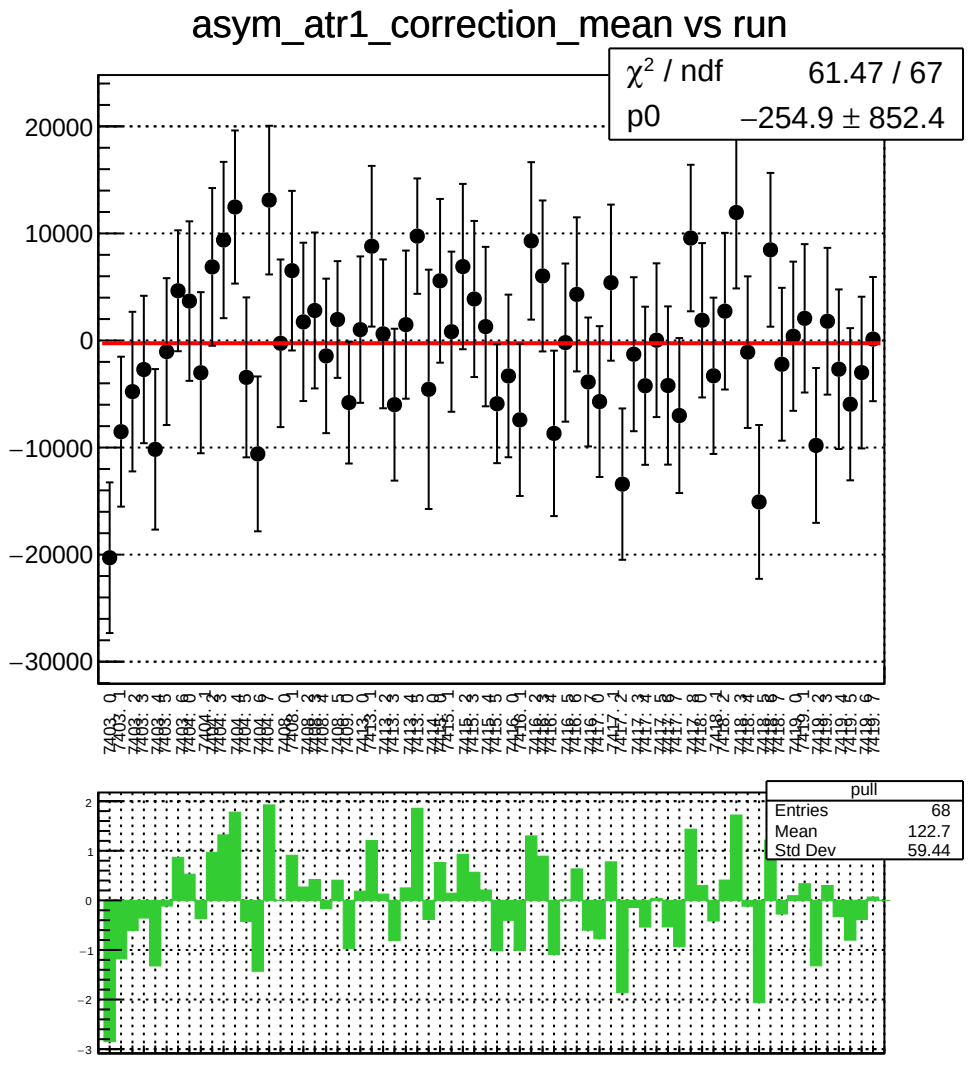

pull1D
Entries 68
Mean −0.004731
Std Dev 0.9032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

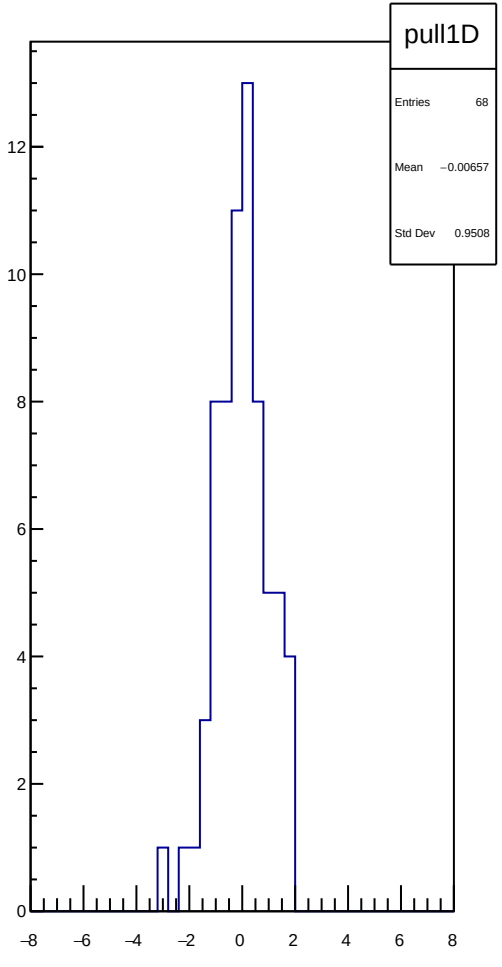

asym_atl2_rms vs run
χ² / ndf 2495 / 67
p0 7880 ± 6.885
9000
8500
8000
7500
7000

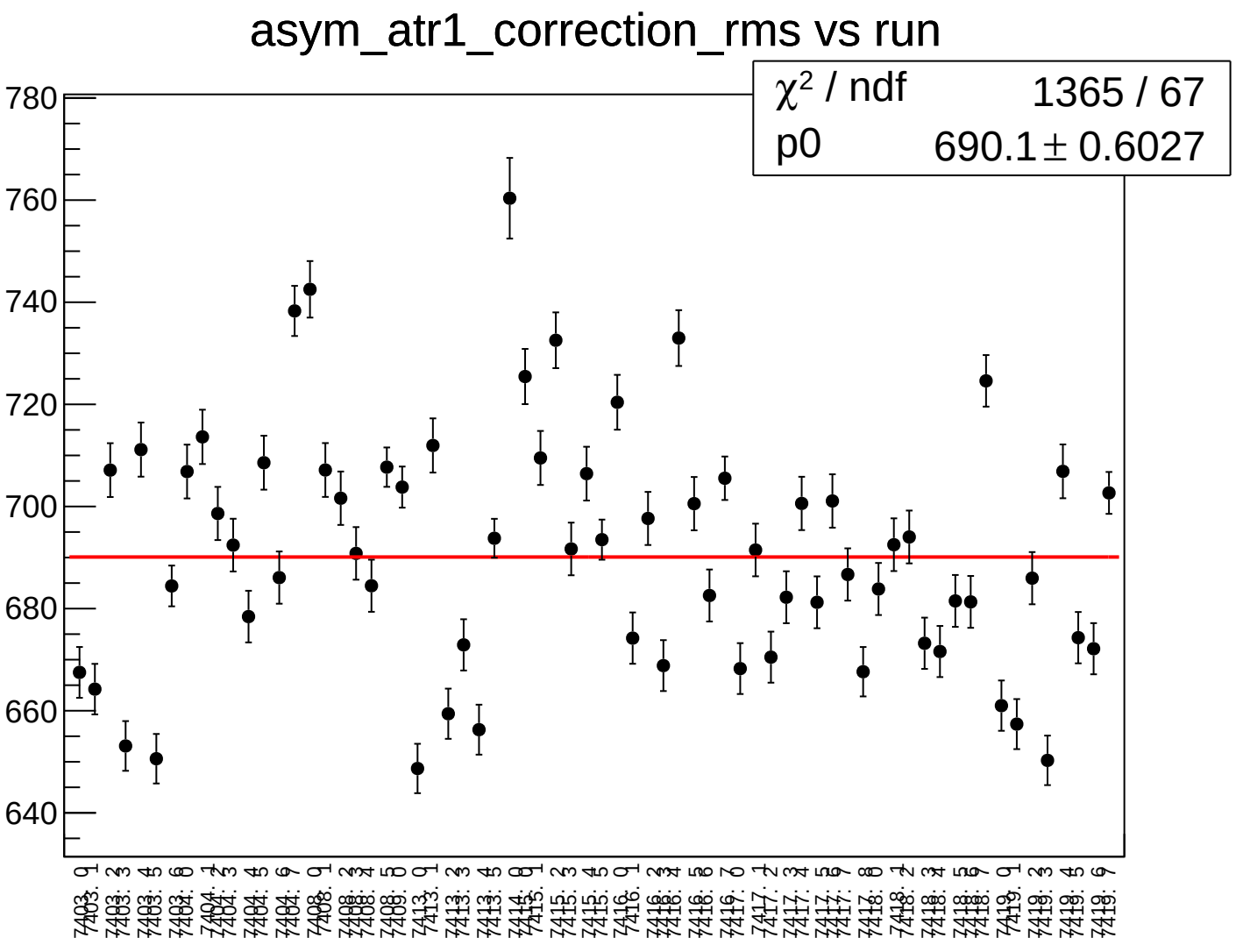

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 61.46 / 67
p0 1.064e+04 ± 3420
pull
Entries 68
Mean −156.8
Std Dev 178.9

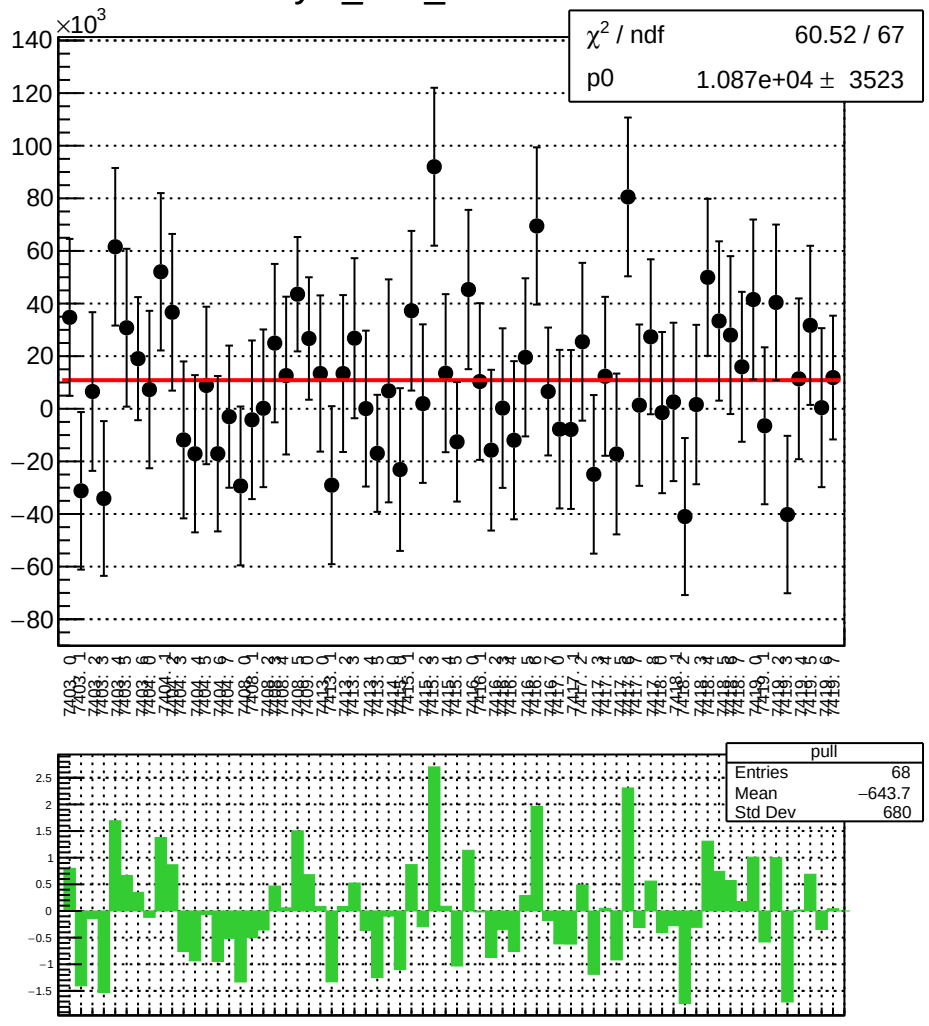

pull1D
Entries 68
Mean −0.003315
Std Dev 0.9507

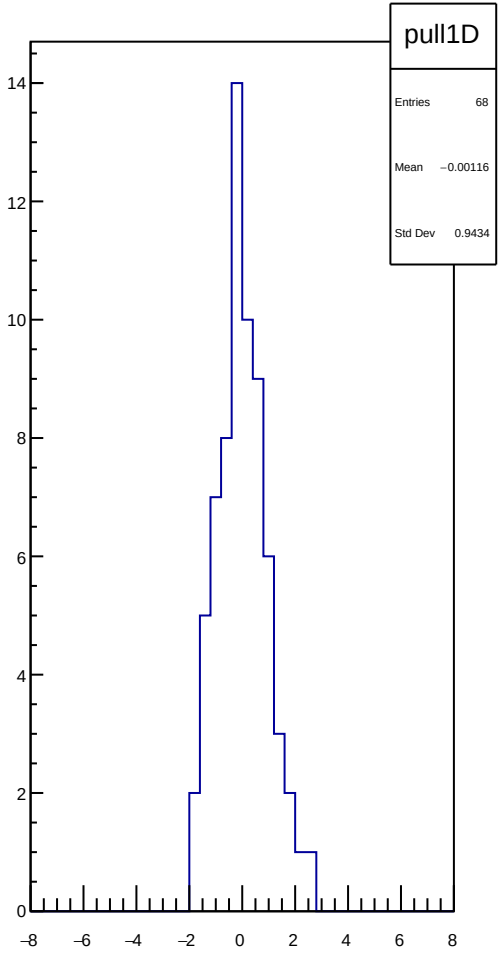

dit_asym_atr1_rms vs run
χ^2 / ndf 59.38 / 67
p0 2770 ± 2.418
2840
2820
2800
2780
2760
2740
2720
2700

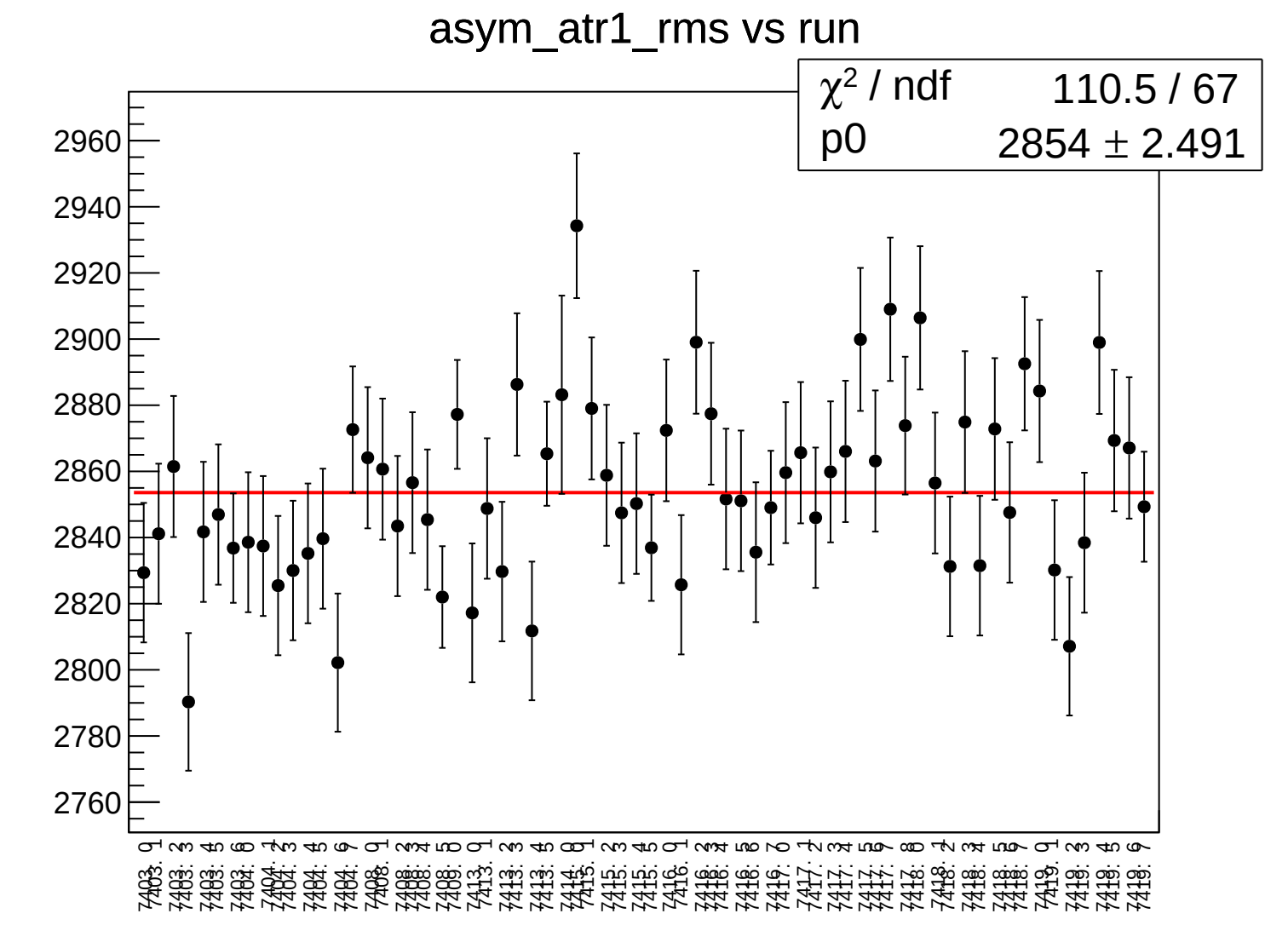

asym_atr1_correction_mean vs run
χ² / ndf 61.47 / 67
p0 −254.9 ± 852.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 122.7
Std Dev 59.44
2
1
0
−1
−2
−3

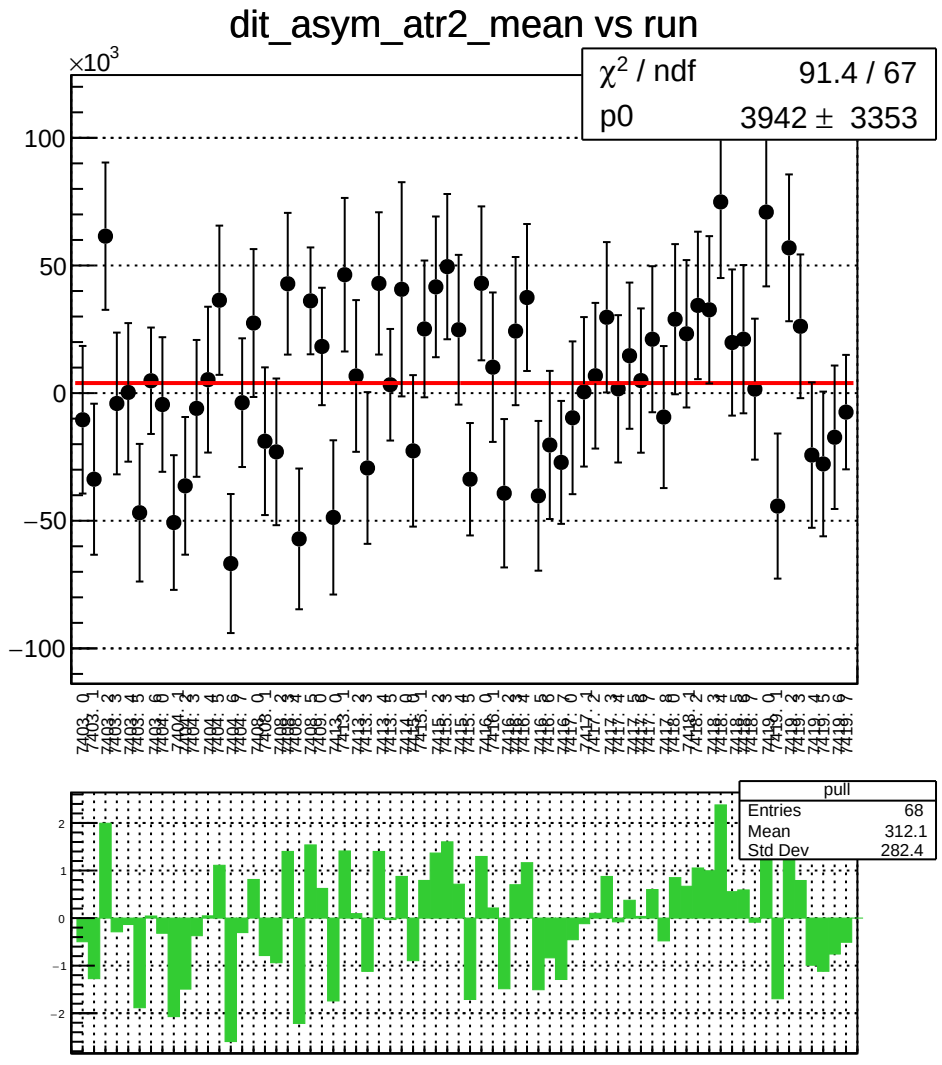

pull1D
Entries 68
Mean −0.00657
Std Dev 0.9508
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

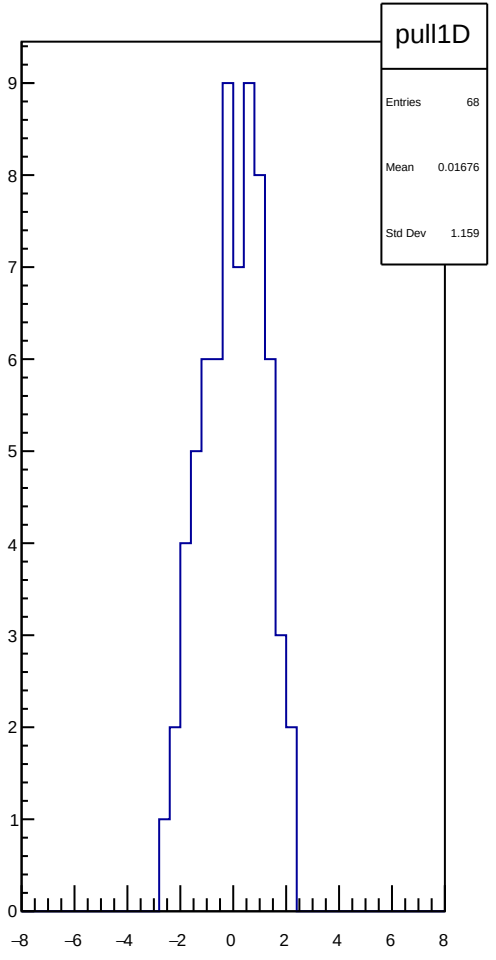

asym_atr1_correction_rms vs run
χ² / ndf 1365 / 67
p0 690.1 ± 0.6027
780
760
740
720
700
680
660
640

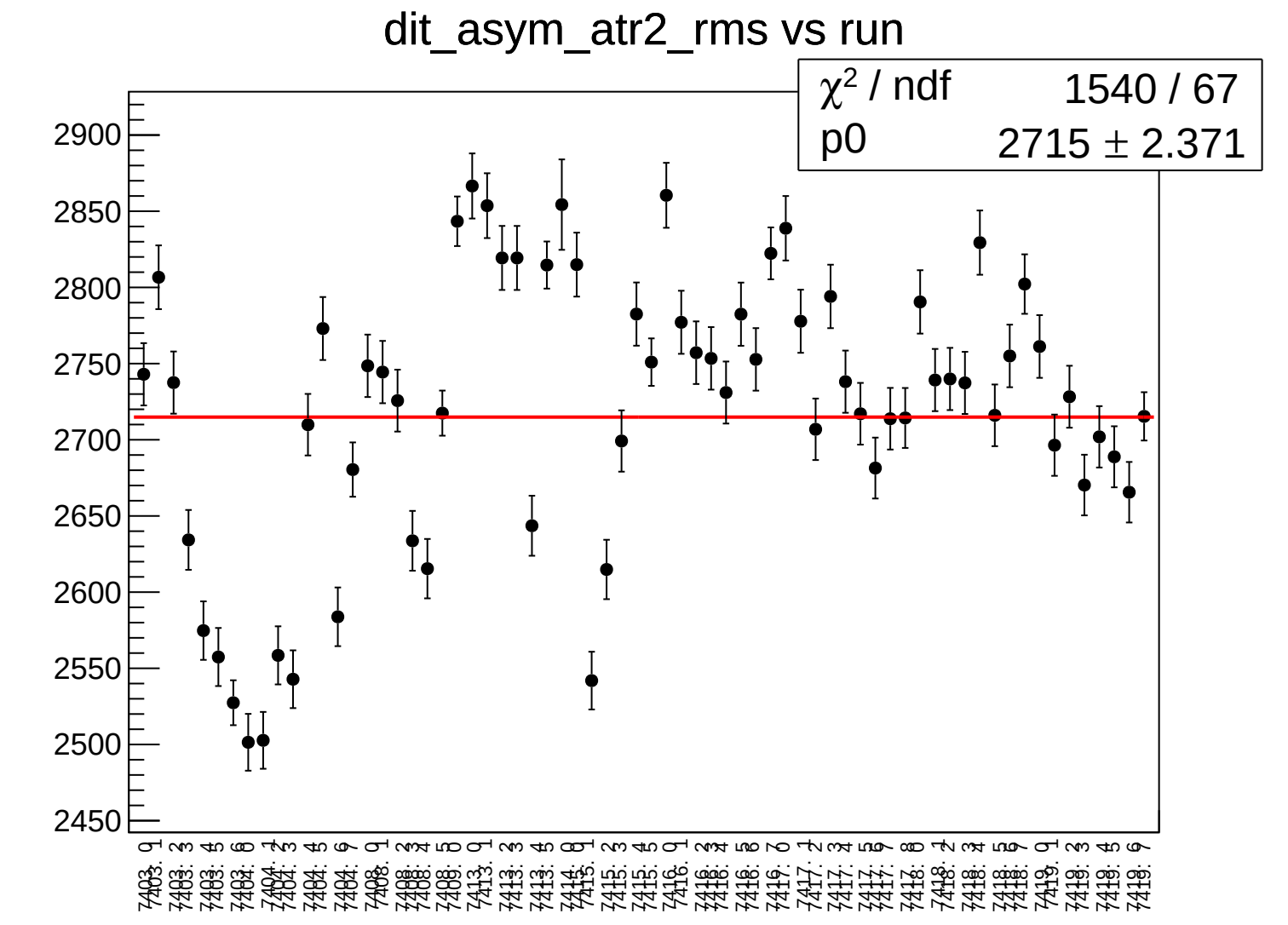

asym_atr1_mean vs run
×10^3
χ² / ndf 60.52 / 67
p0 1.087e+04 ± 3523
pull
Entries 68
Mean −643.7
Std Dev 680

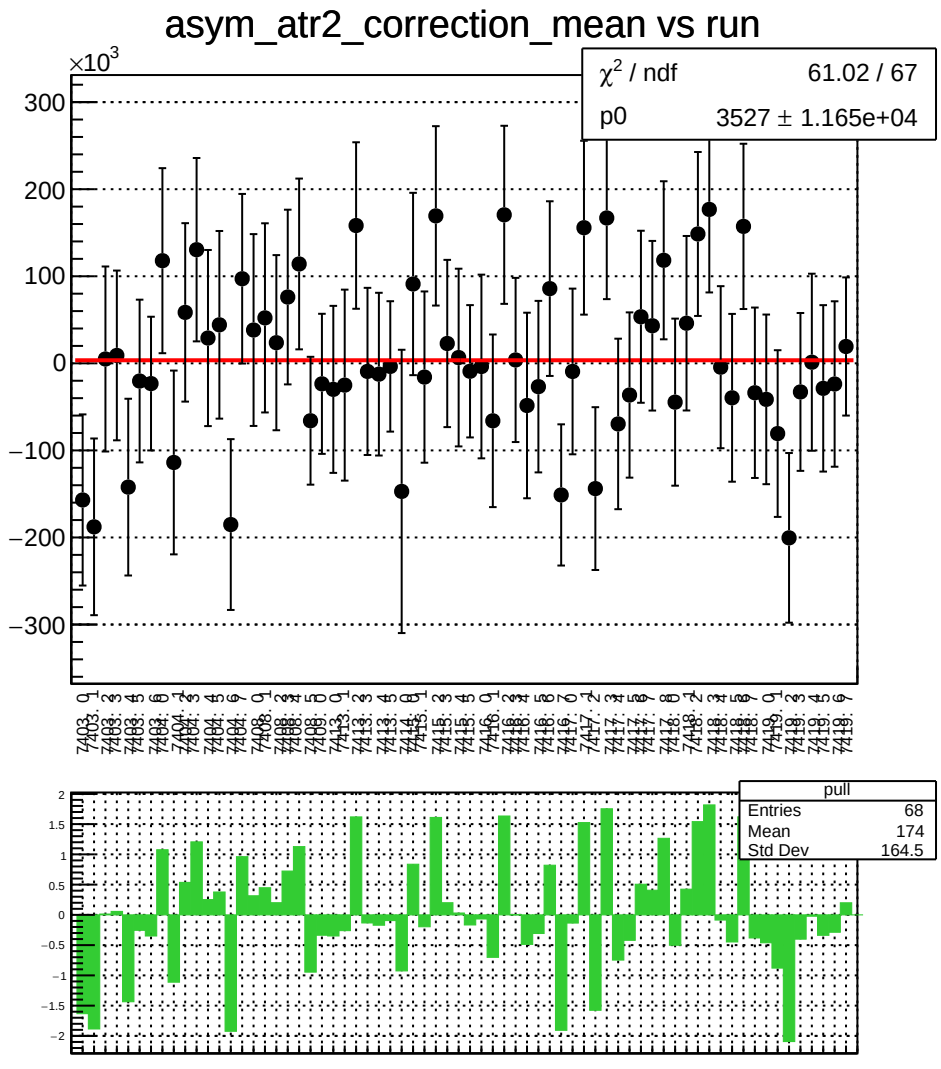

pull1D
Entries 68
Mean −0.00116
Std Dev 0.9434

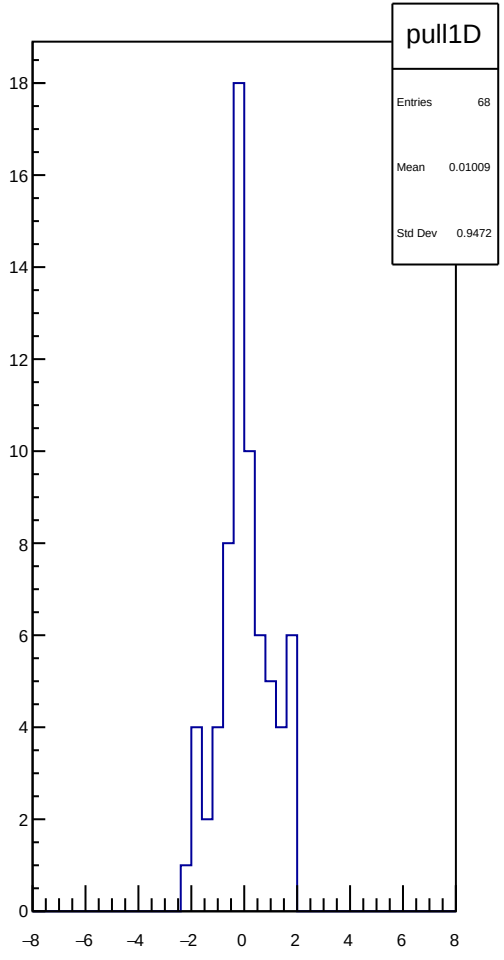

asym_atr1_rms vs run
χ² / ndf 110.5 / 67
p0 2854 ± 2.491
2960
2940
2920
2900
2880
2860
2840
2820
2800
2780
2760

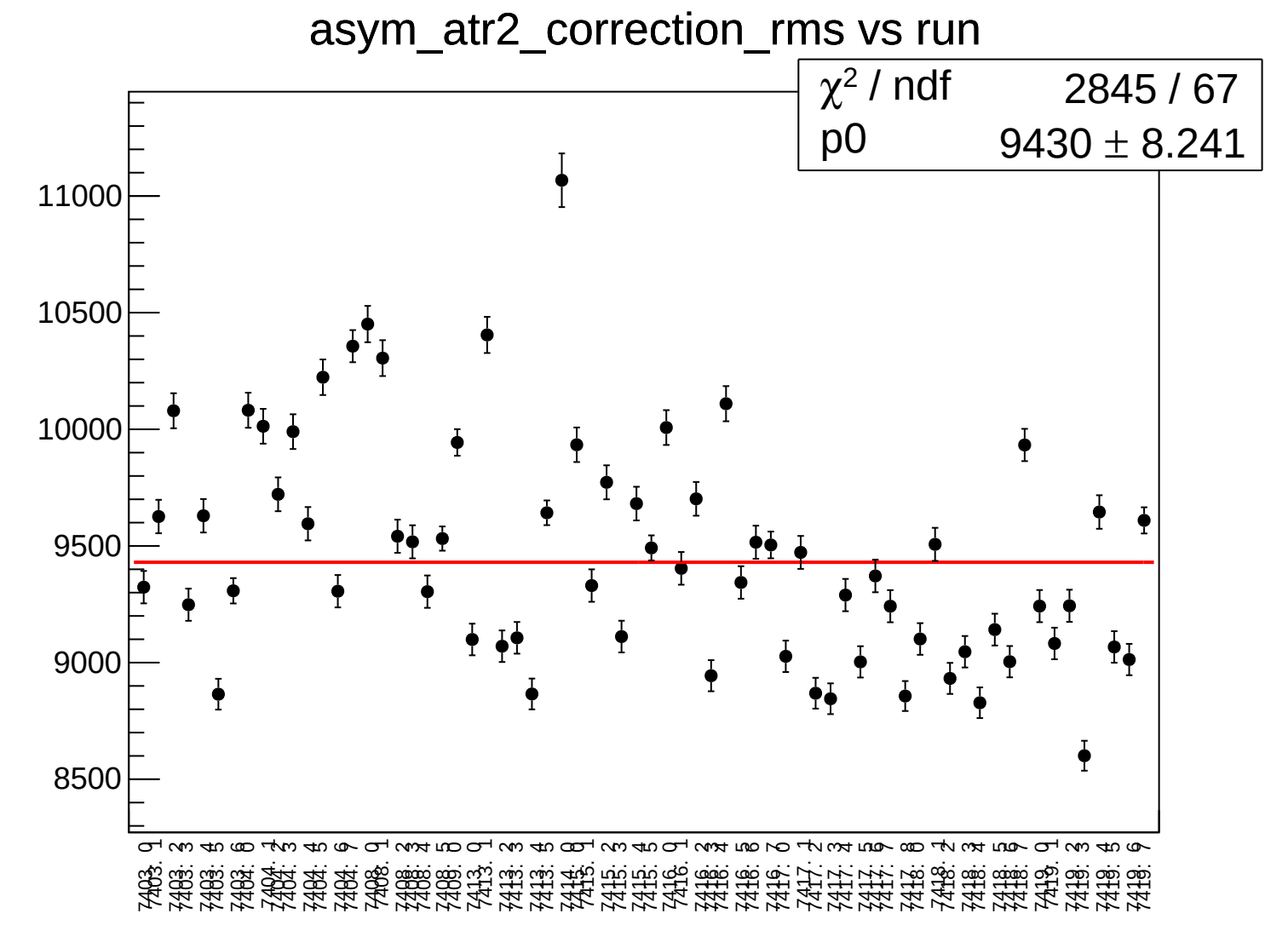

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 91.4 / 67
p0 3942 ± 3353
100
50
0
−50
−100
pull
Entries 68
Mean 312.1
Std Dev 282.4
2
1
0
−1
−2

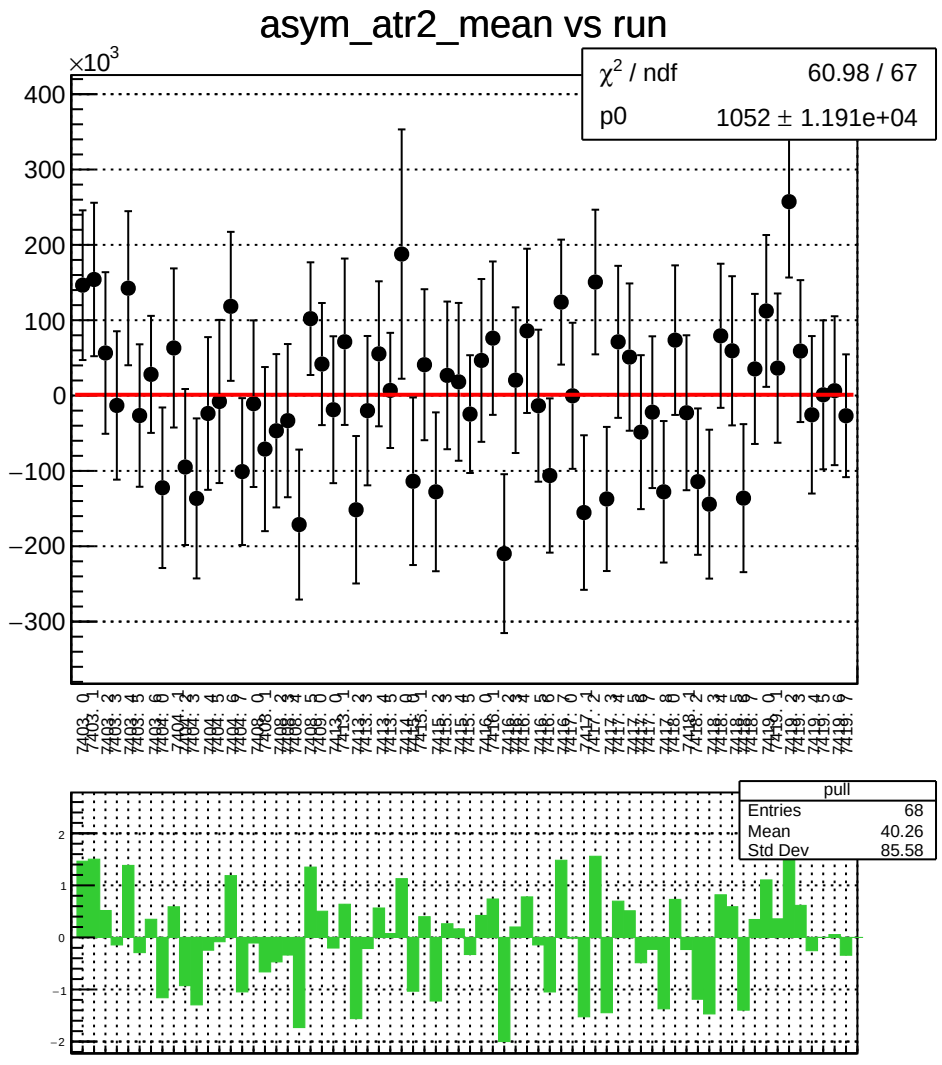

pull1D
Entries 68
Mean 0.01676
Std Dev 1.159
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

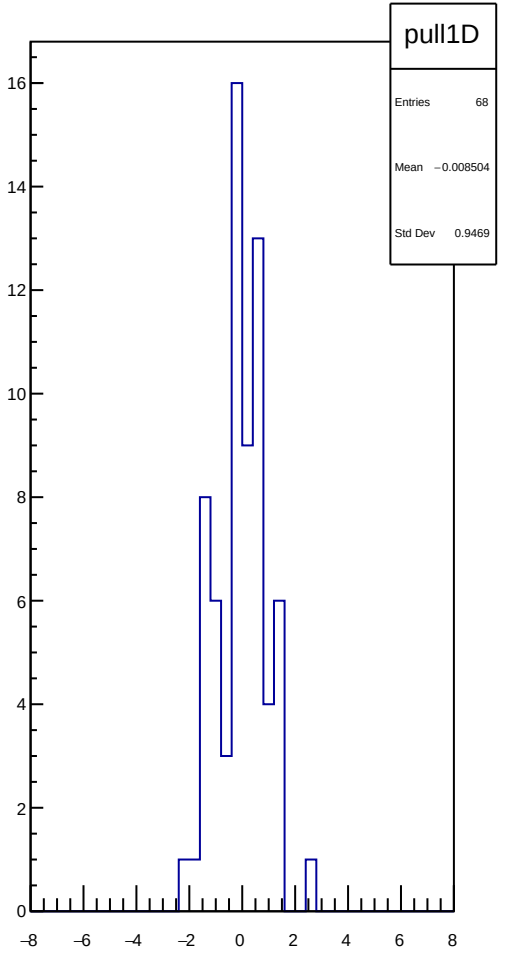

dit_asym_atr2_rms vs run
χ² / ndf 1540 / 67
p0 2715 ± 2.371
2900
2850
2800
2750
2700
2650
2600
2550
2500
2450

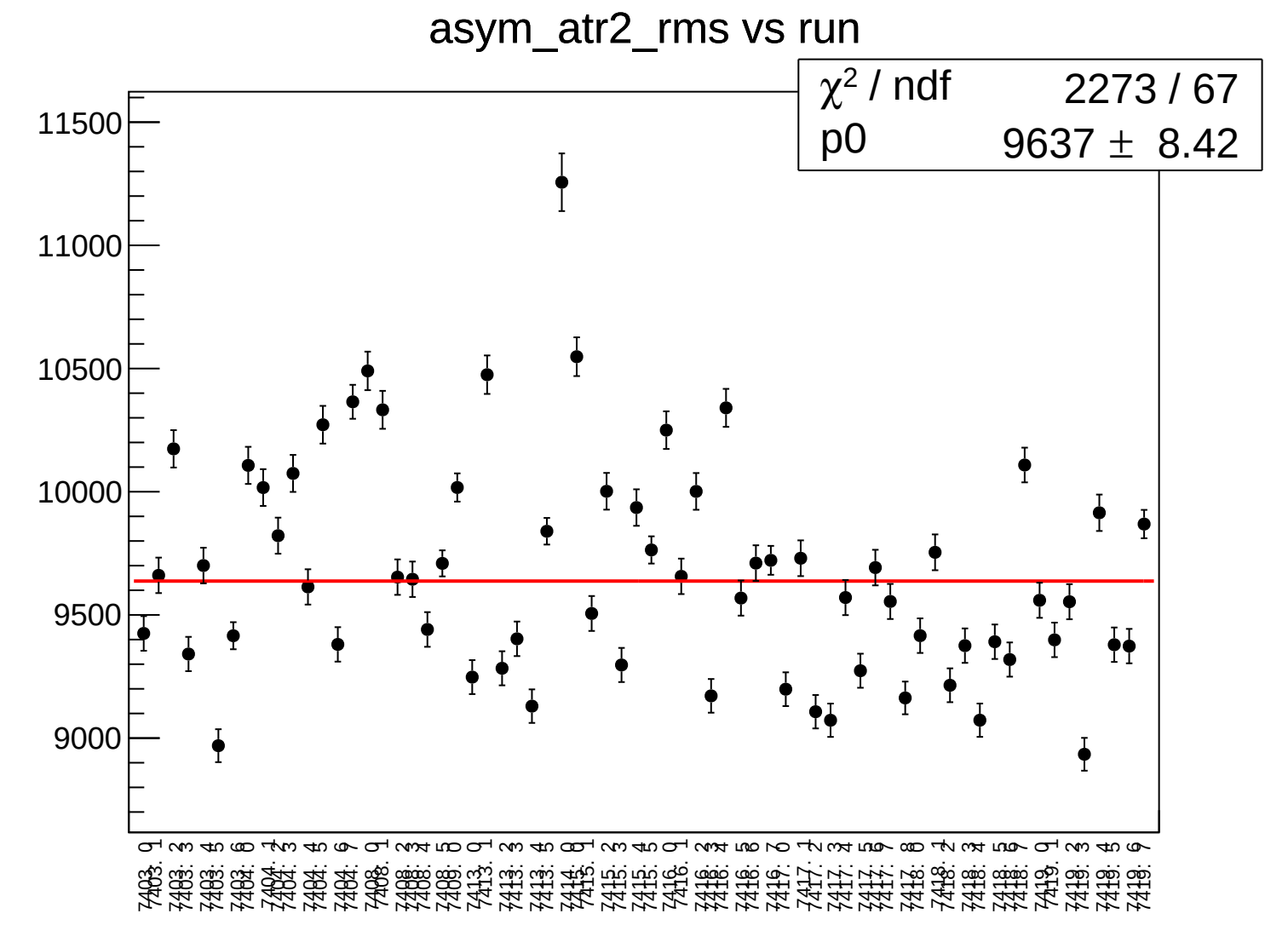

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 61.02 / 67
p0 3527 ± 1.165e+04
pull
Entries 68
Mean 174
Std Dev 164.5

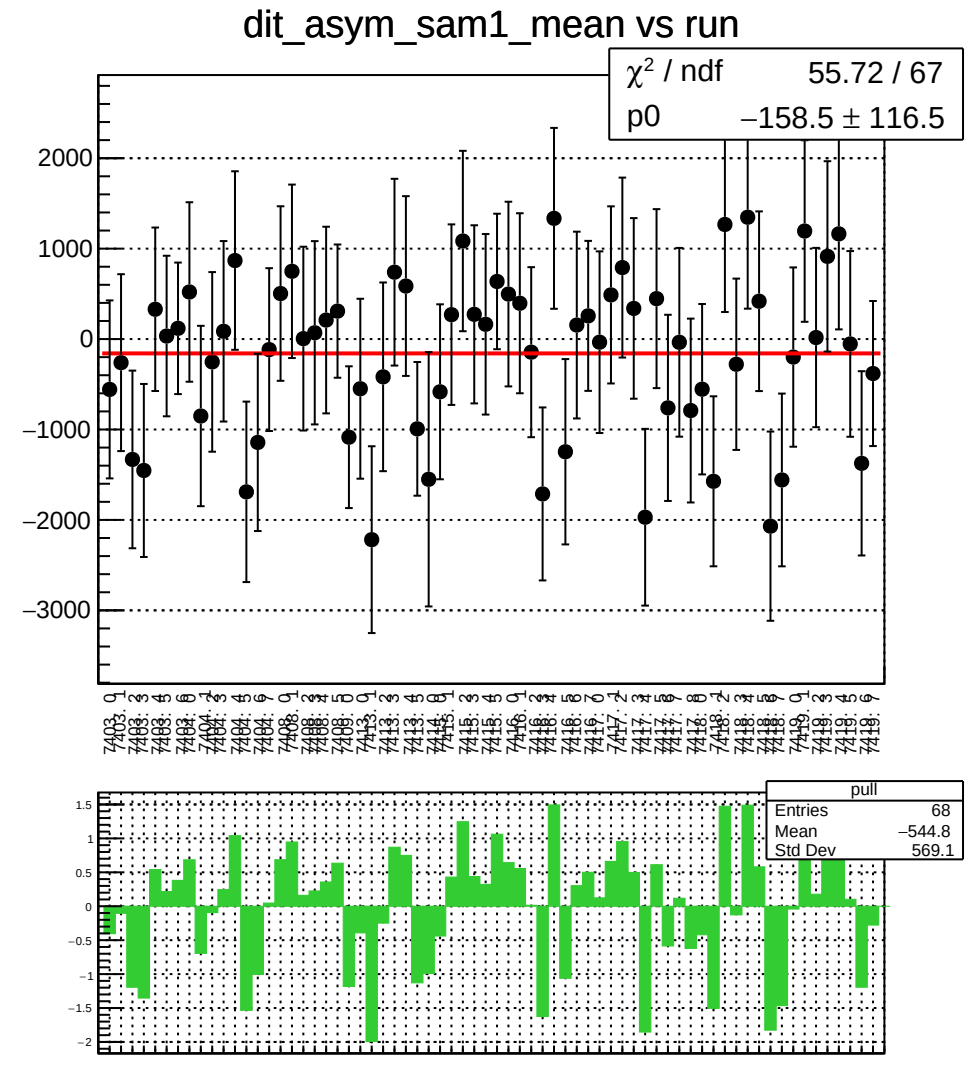

pull1D
Entries 68
Mean 0.01009
Std Dev 0.9472

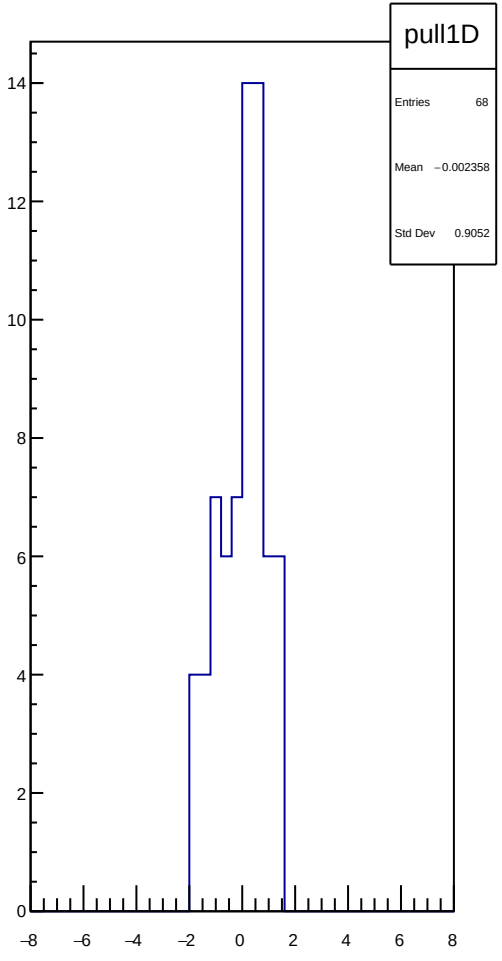

asym_atr2_correction_rms vs run
χ² / ndf 2845 / 67
p0 9430 ± 8.241
11000
10500
10000
9500
9000
8500

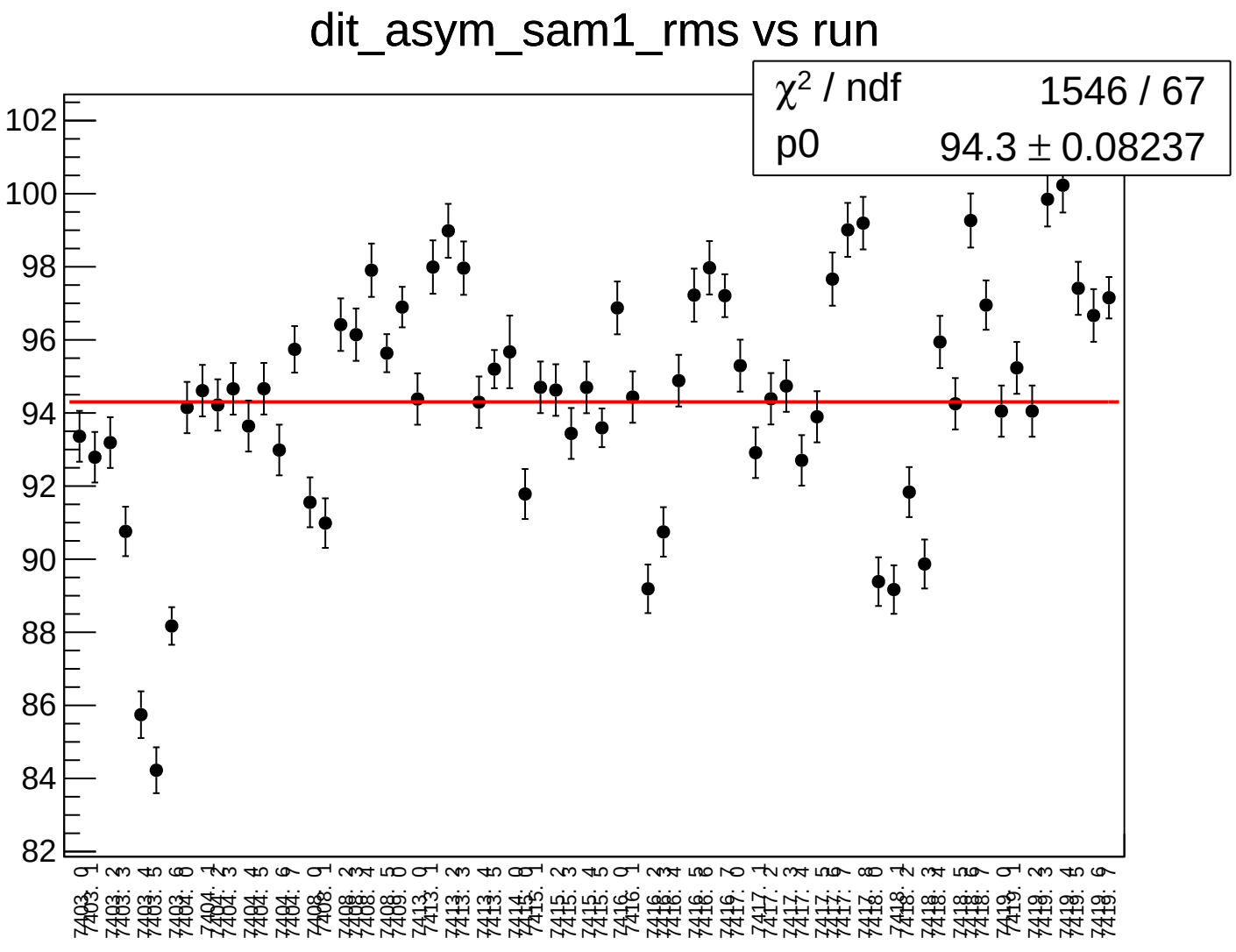

asym_atr2_mean vs run
×10^3
χ² / ndf 60.98 / 67
p0 1052 ± 1.191e+04
pull
Entries 68
Mean 40.26
Std Dev 85.58

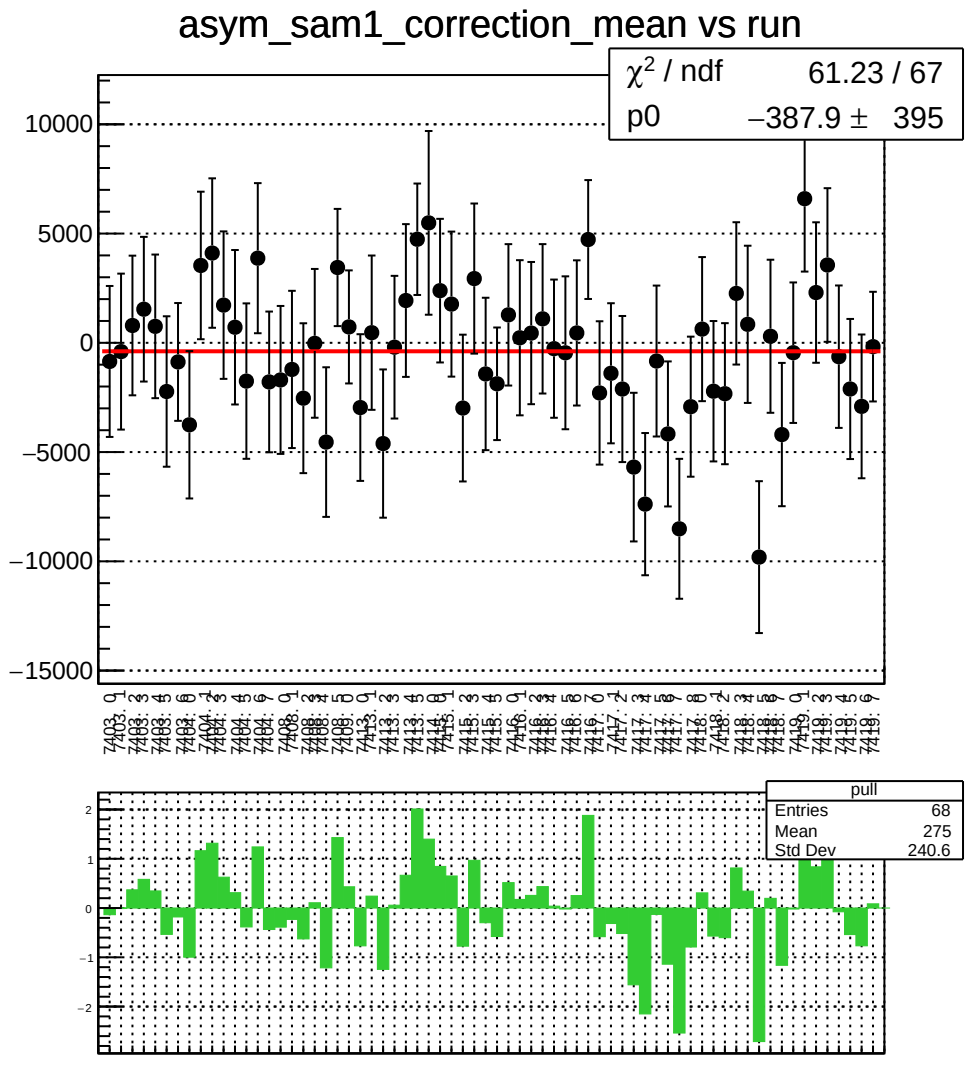

pull1D
Entries 68
Mean −0.008504
Std Dev 0.9469

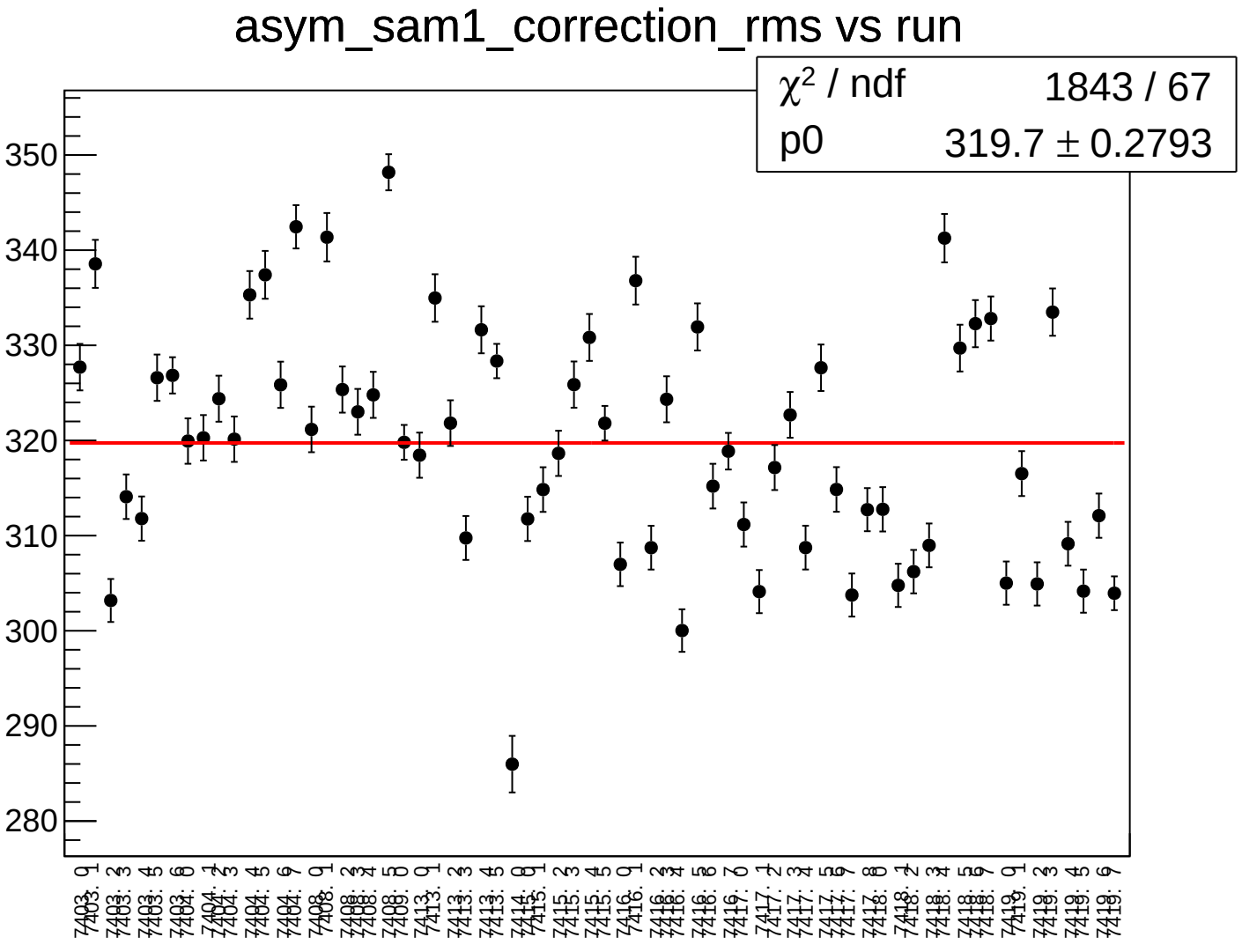

asym_atr2_rms vs run
χ^2 / ndf 2273 / 67
p0 9637 ± 8.42
11500
11000
10500
10000
9500
9000

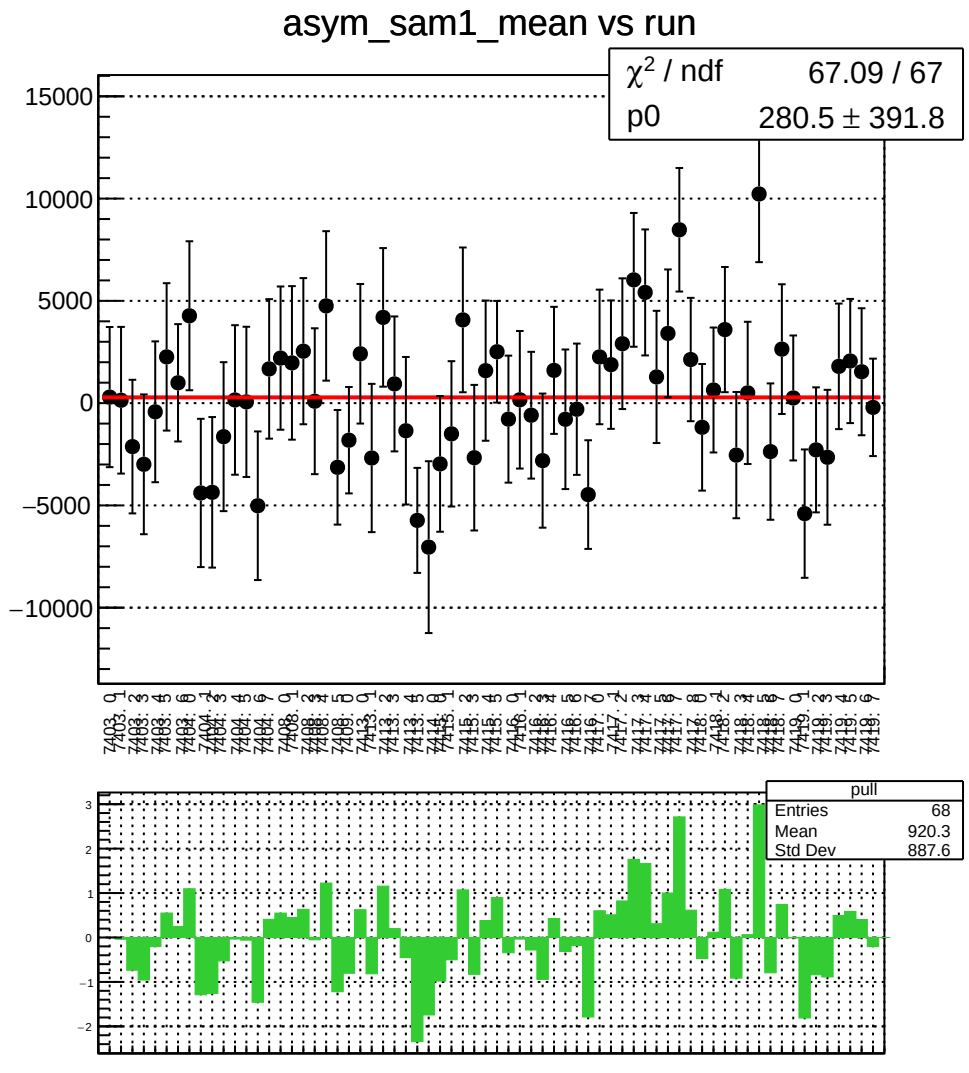

dit_asym_sam1_mean vs run
χ² / ndf 55.72 / 67
p0 −158.5 ± 116.5
2000
1000
0
−1000
−2000
−3000
pull
Entries 68
Mean −544.8
Std Dev 569.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

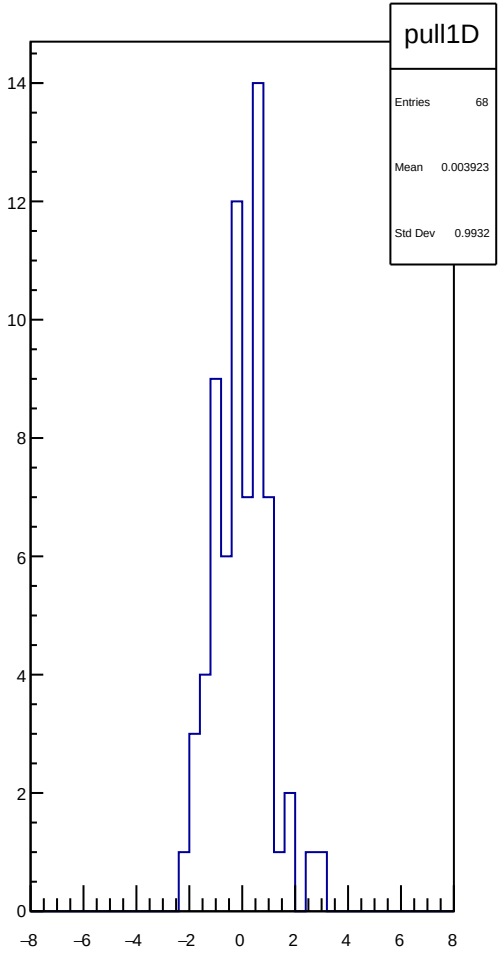

pull1D
Entries 68
Mean −0.002358
Std Dev 0.9052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

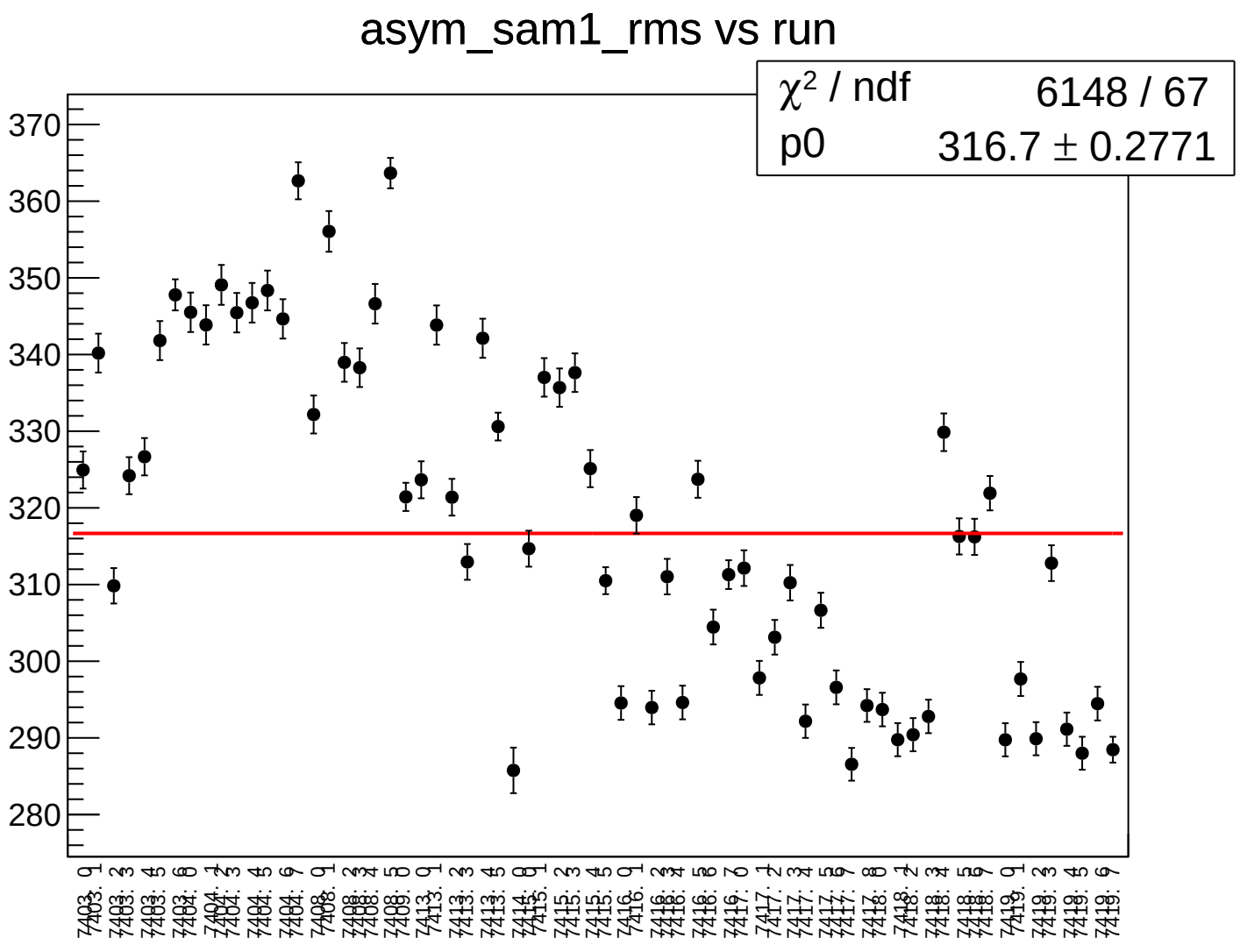

dit_asym_sam1_rms vs run
χ^2 / ndf 1546 / 67
p0 94.3 ± 0.08237
102
100
98
96
94
92
90
88
86
84
82

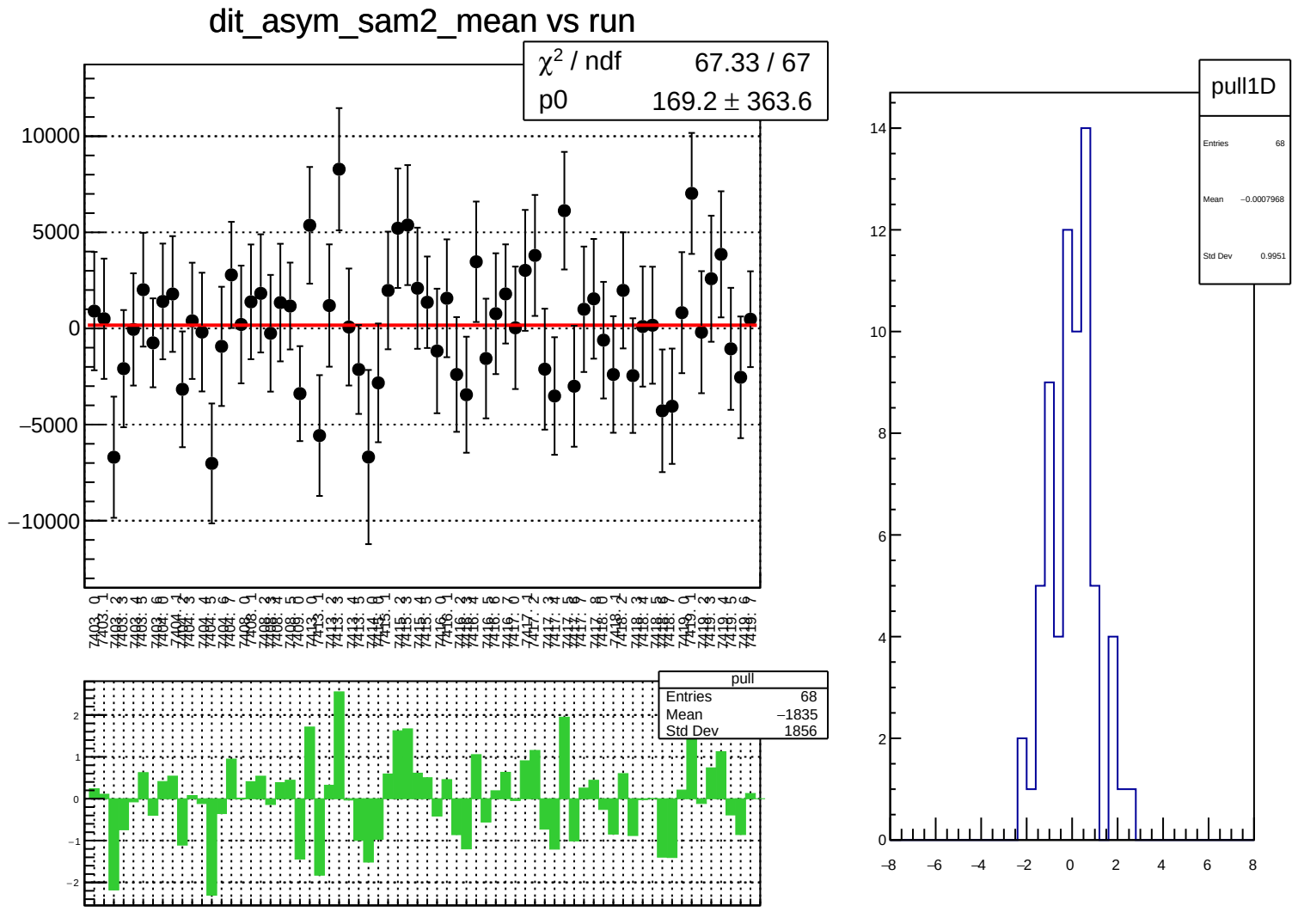

asym_sam1_correction_mean vs run
χ² / ndf 61.23 / 67
p0 −387.9 ± 395
pull
Entries 68
Mean 275
Std Dev 240.6
pull1D
Entries 68
Mean −0.0126
Std Dev 0.9488

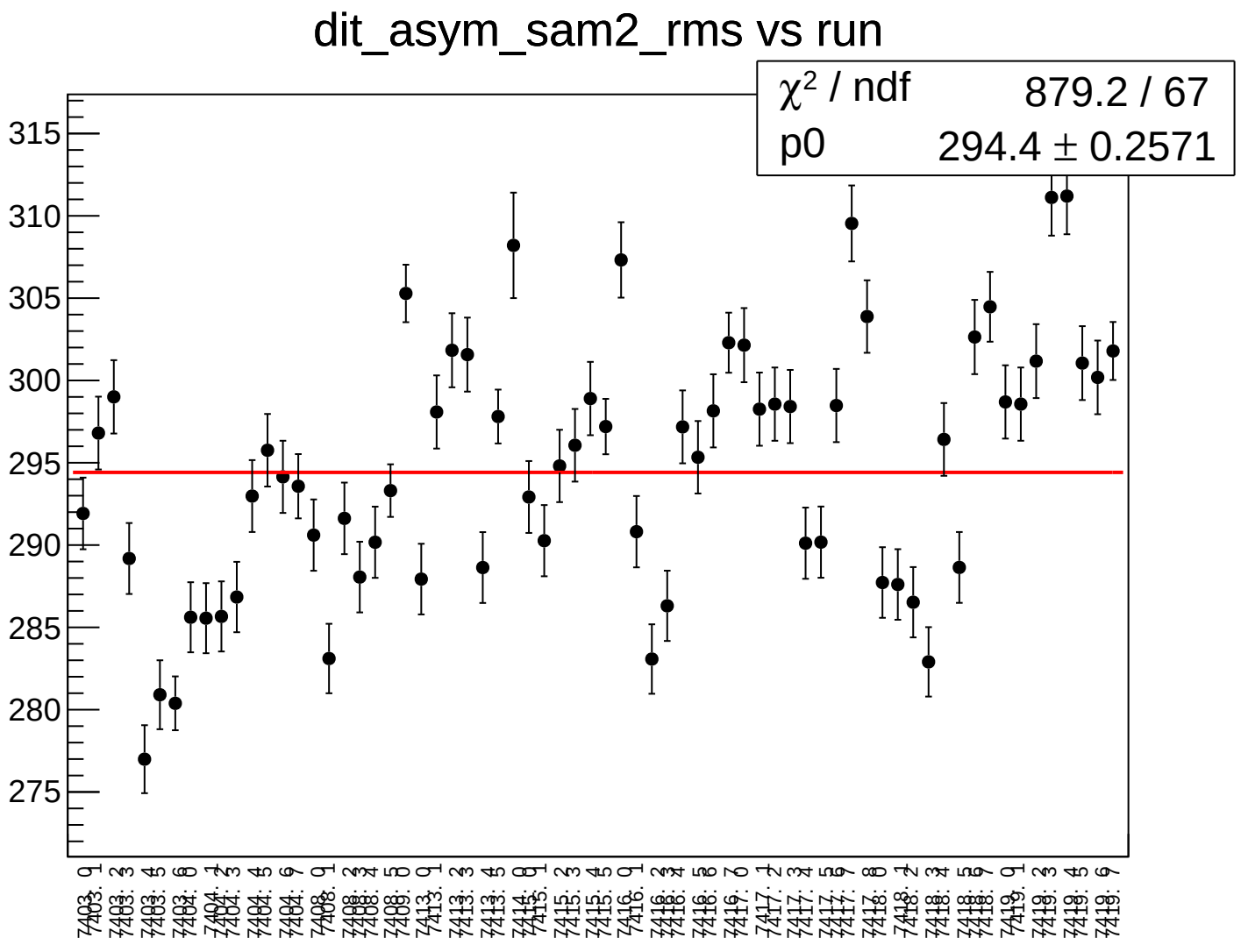

asym_sam1_correction_rms vs run
χ² / ndf 1843 / 67
p0 319.7 ± 0.2793
350
340
330
320
310
300
290
280

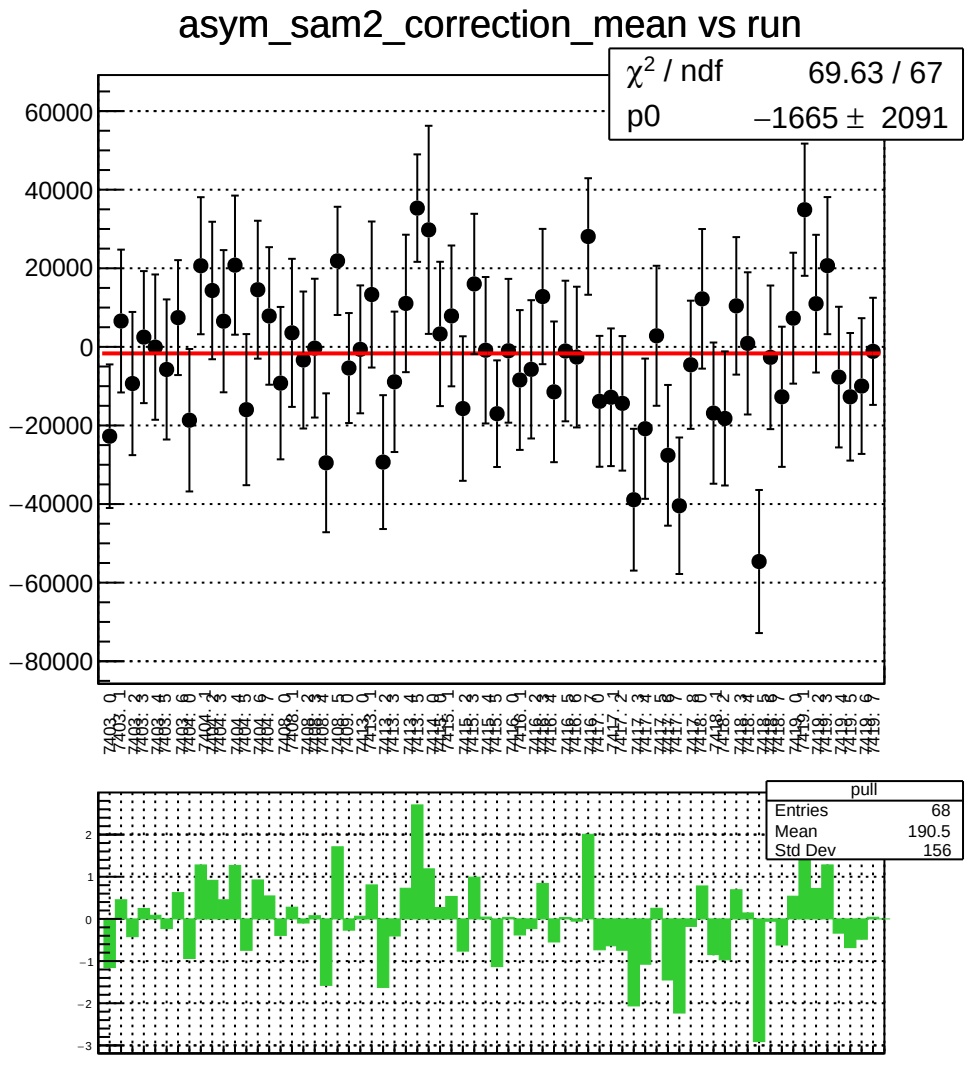

asym_sam1_mean vs run
χ² / ndf 67.09 / 67
p0 280.5 ± 391.8
15000
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 920.3
Std Dev 887.6
3
2
1
0
−1
−2

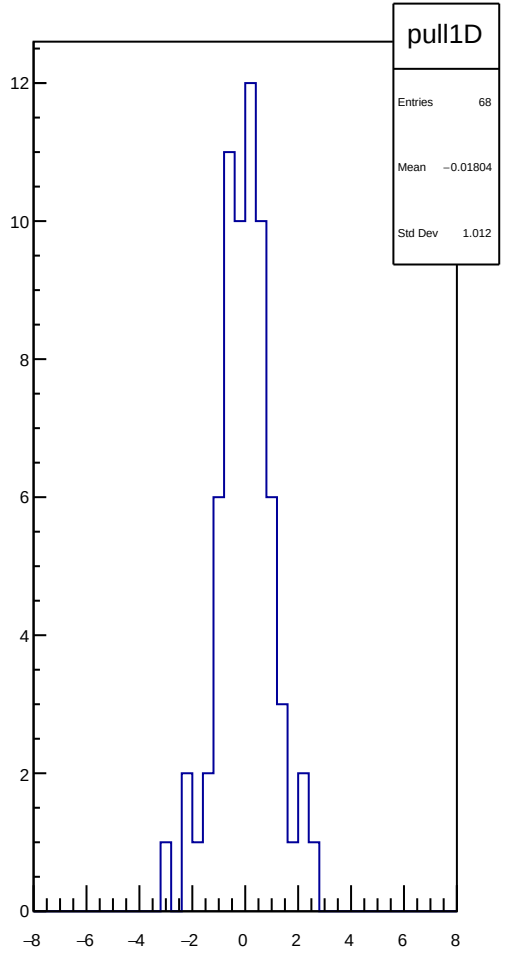

pull1D
Entries 68
Mean 0.003923
Std Dev 0.9932
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

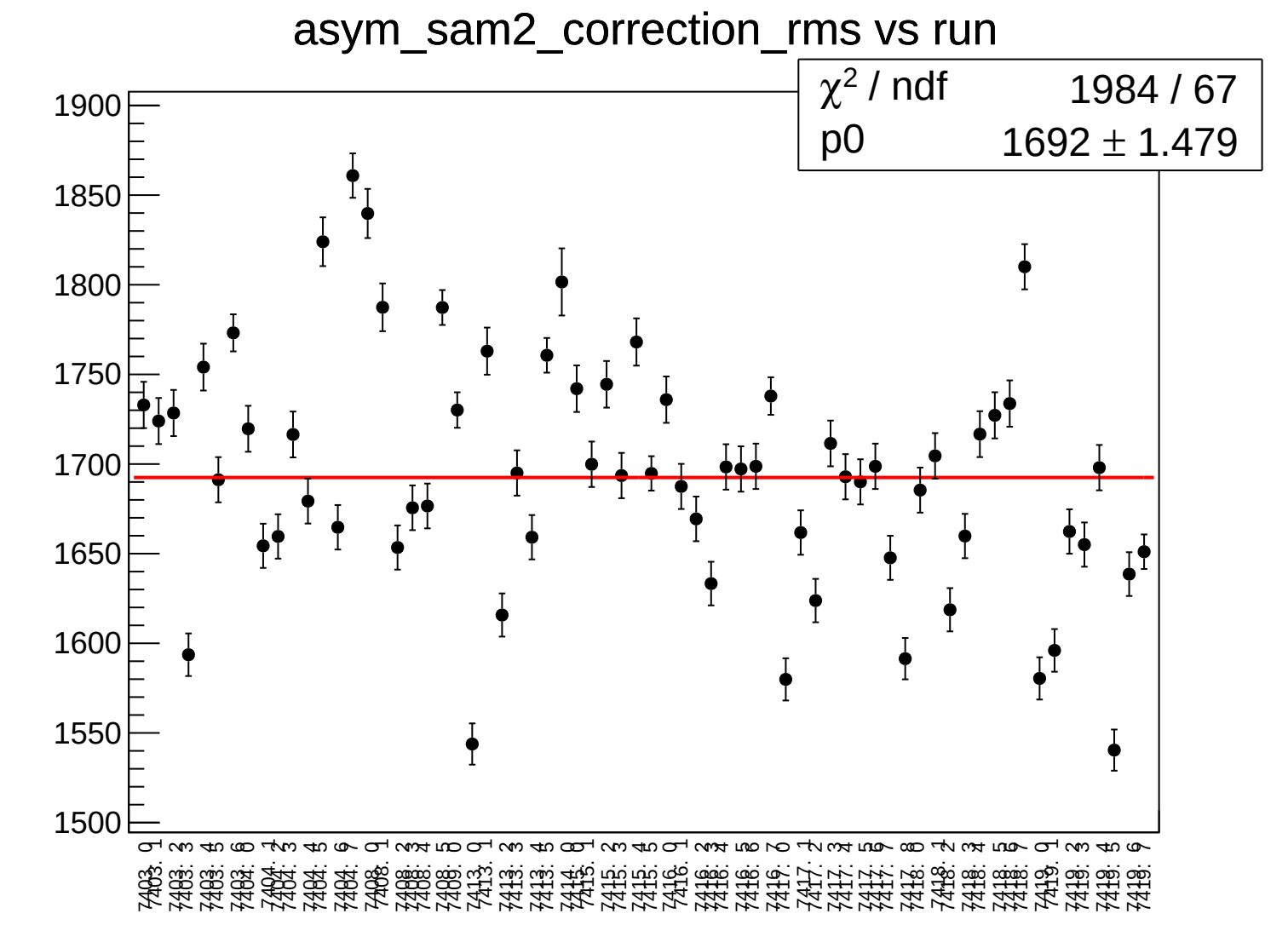

asym_sam1_rms vs run
χ² / ndf 6148 / 67
p0 316.7 ± 0.2771
370
360
350
340
330
320
310
300
290
280

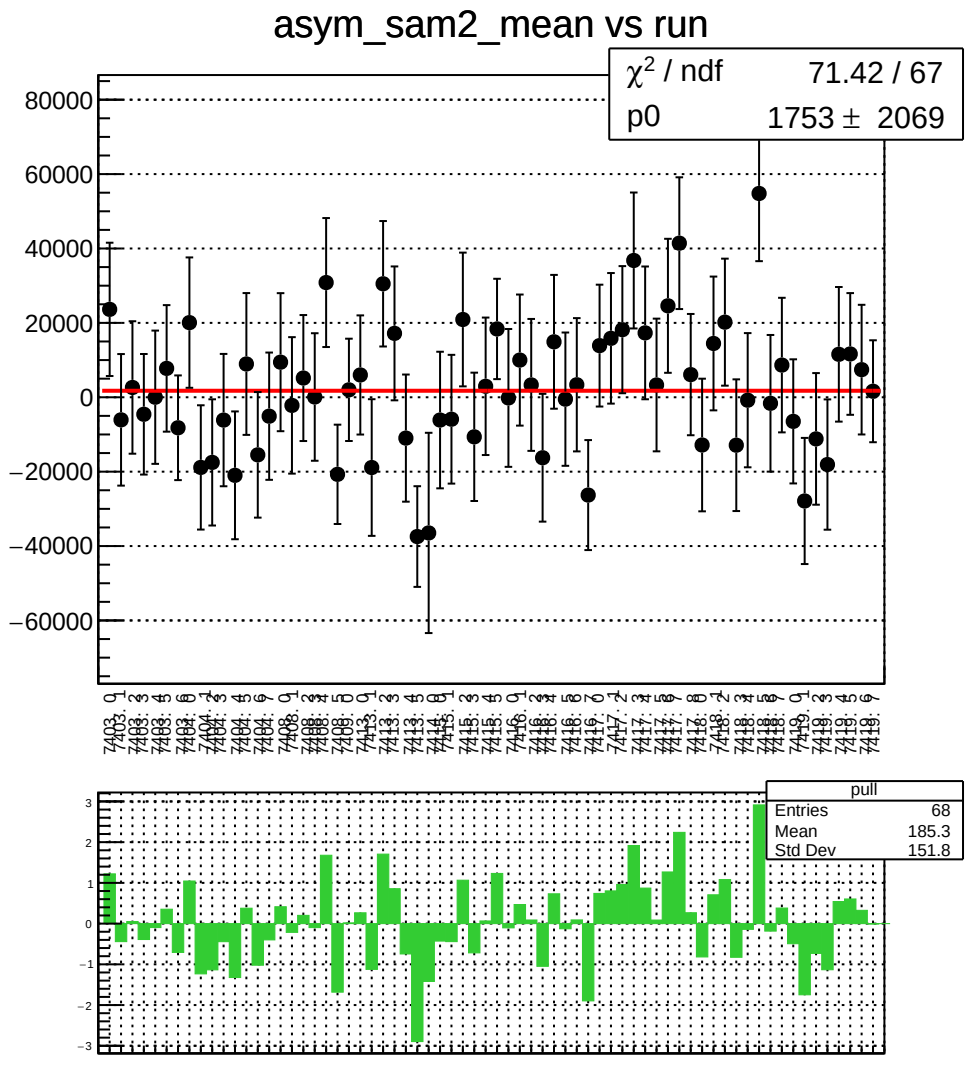

dit_asym_sam2_mean vs run
χ² / ndf 67.33 / 67
p0 169.2 ± 363.6
10000
5000
0
−5000
−10000
pull
Entries 68
Mean −1835
Std Dev 1856
pull1D
Entries 68
Mean −0.0007968
Std Dev 0.9951

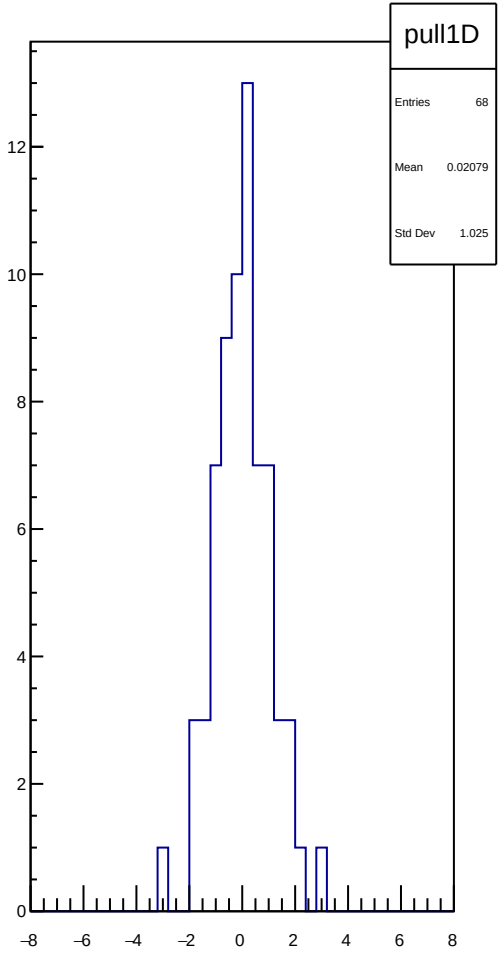

dit_asym_sam2_rms vs run
χ² / ndf 879.2 / 67
p0 294.4 ± 0.2571
315
310
305
300
295
290
285
280
275

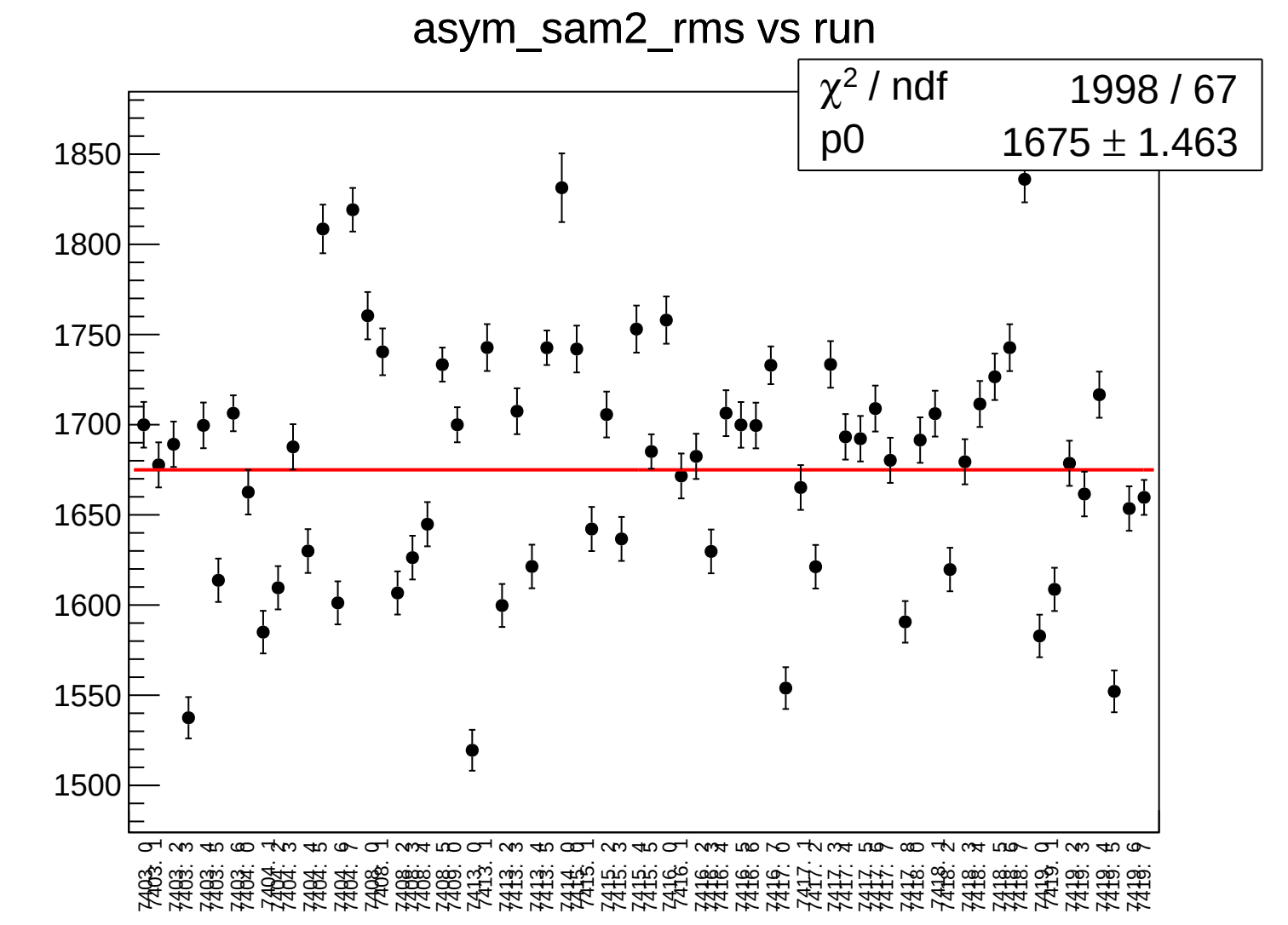

asym_sam2_correction_mean vs run
χ² / ndf 69.63 / 67
p0 −1665 ± 2091
pull
Entries 68
Mean 190.5
Std Dev 156

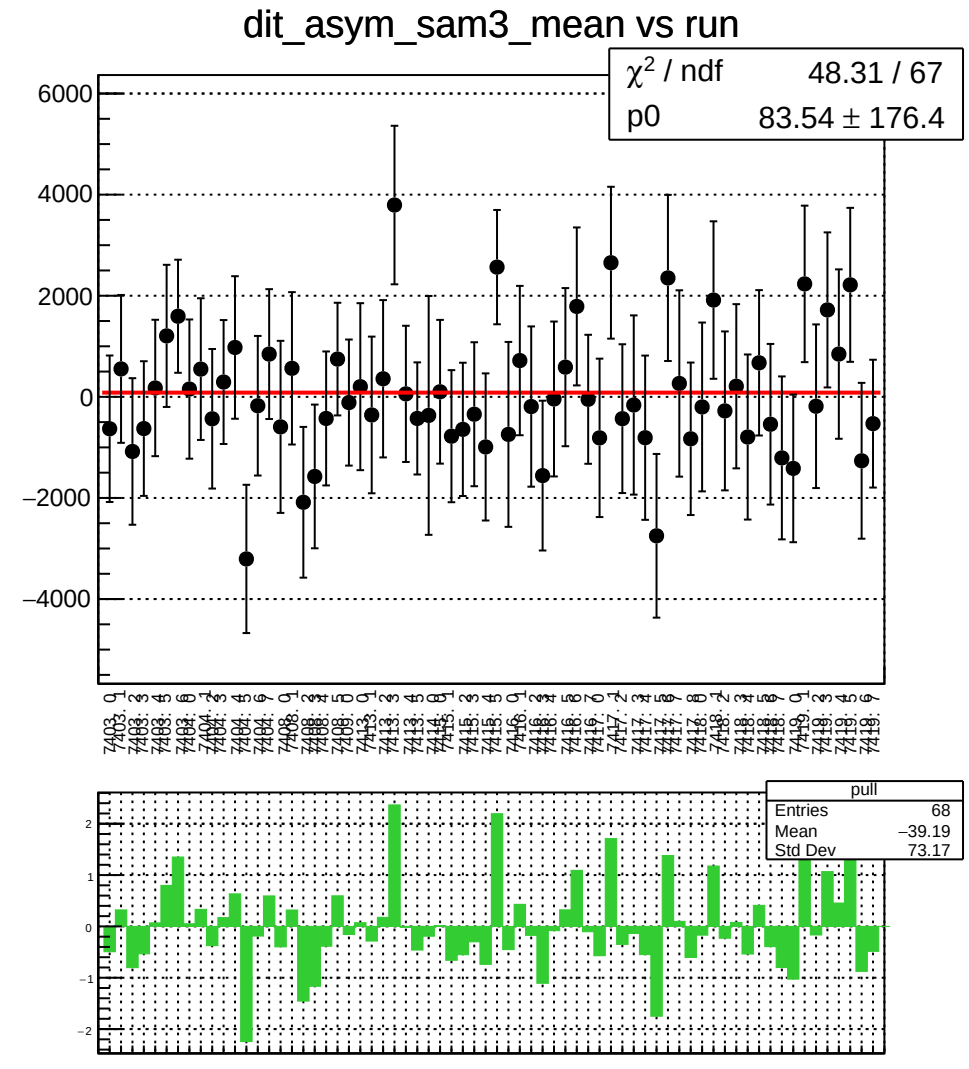

pull1D
Entries 68
Mean −0.01804
Std Dev 1.012

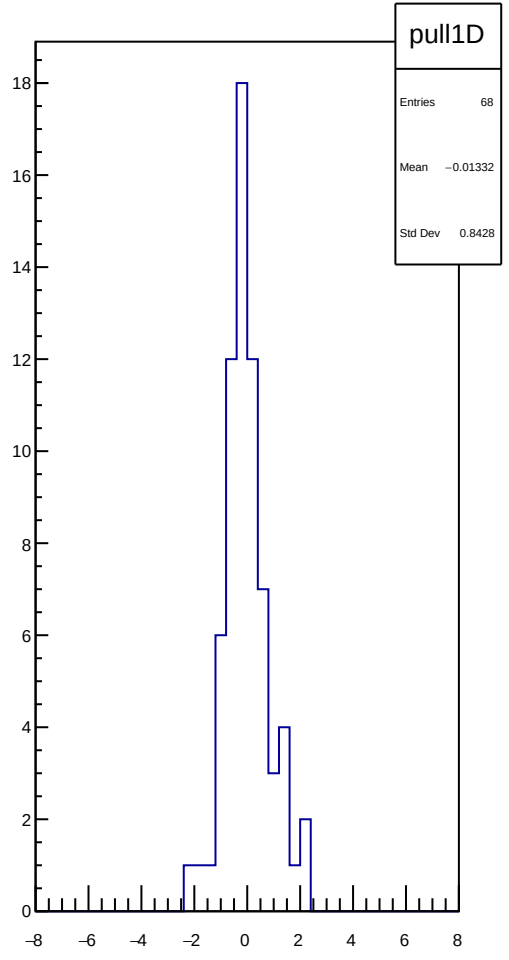

asym_sam2_correction_rms vs run
χ² / ndf 1984 / 67
p0 1692 ± 1.479
1900
1850
1800
1750
1700
1650
1600
1550
1500

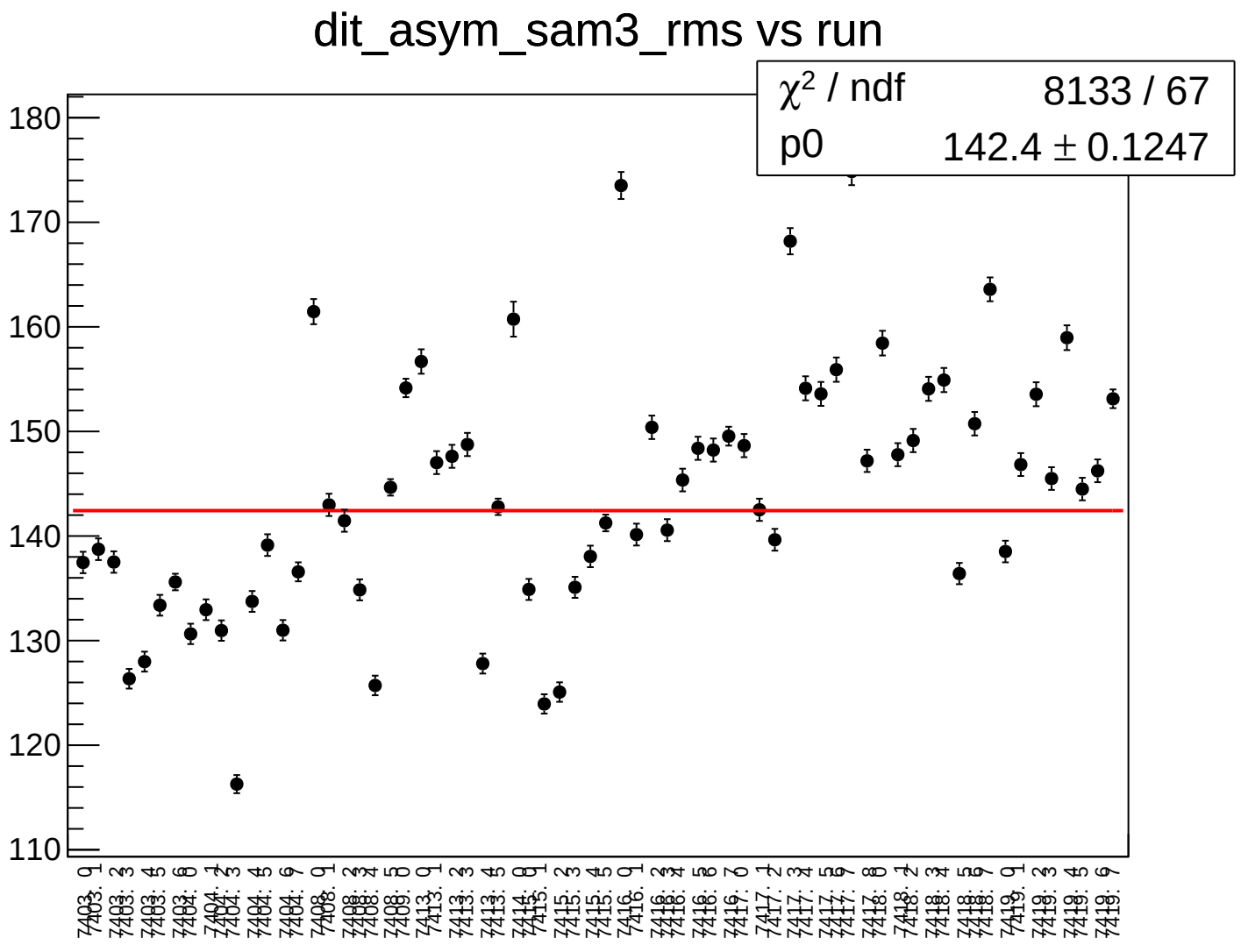

asym_sam2_mean vs run
χ² / ndf 71.42 / 67
p0 1753 ± 2069
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean 185.3
Std Dev 151.8
3
2
1
0
−1
−2
−3

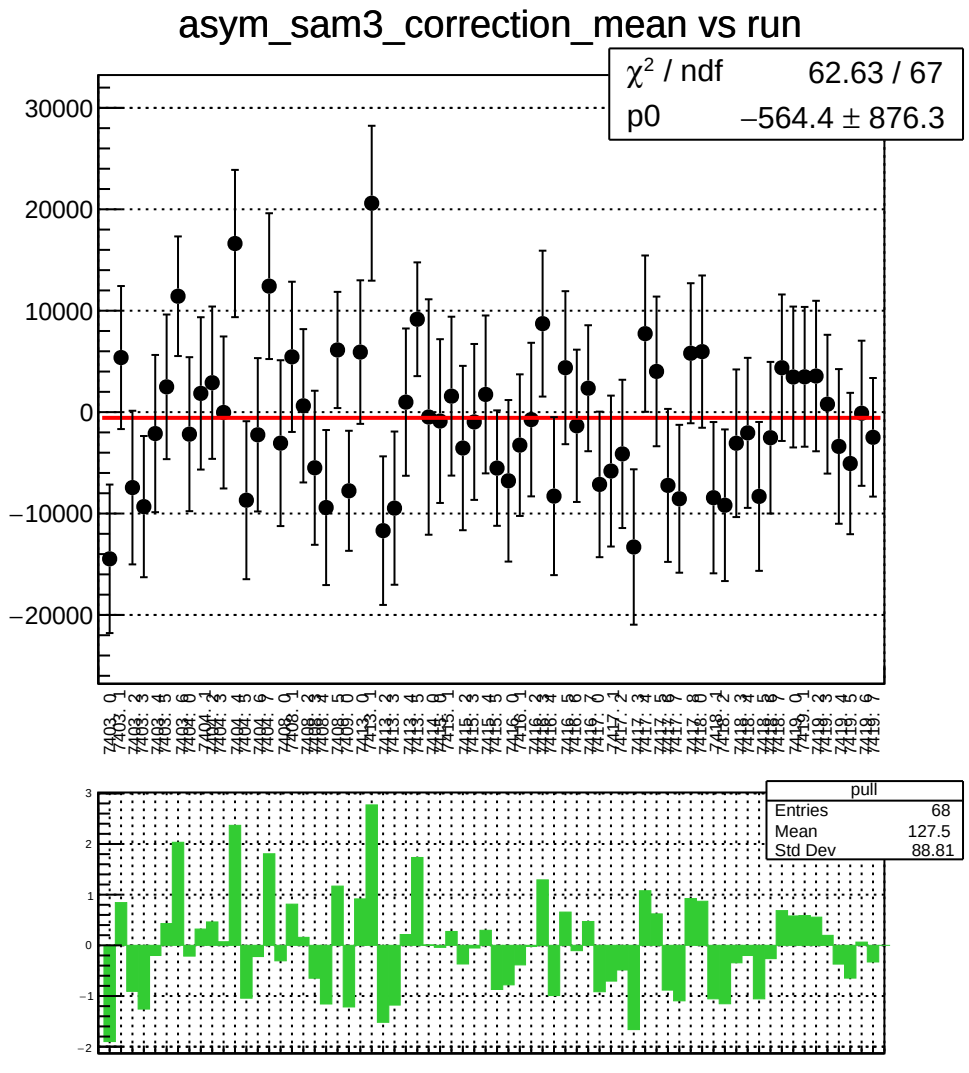

pull1D
Entries 68
Mean 0.02079
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

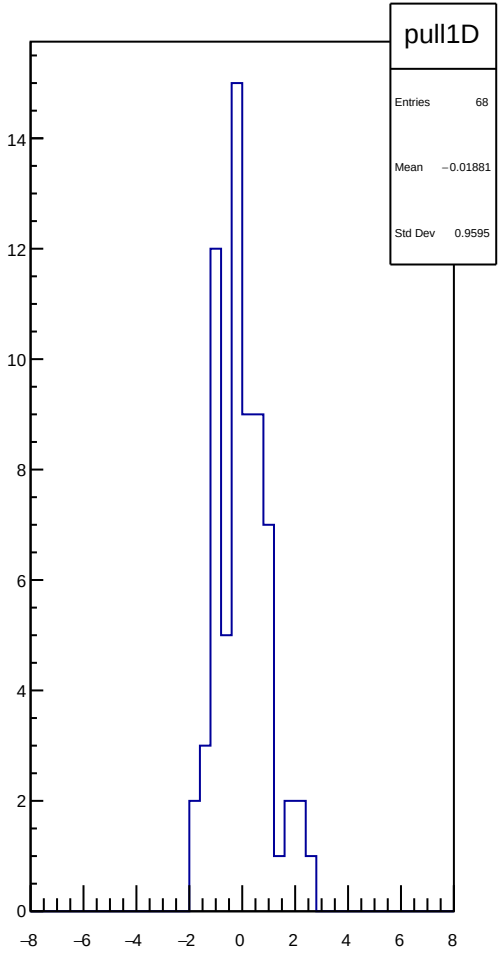

asym_sam2_rms vs run
χ² / ndf 1998 / 67
p0 1675 ± 1.463
1850
1800
1750
1700
1650
1600
1550
1500

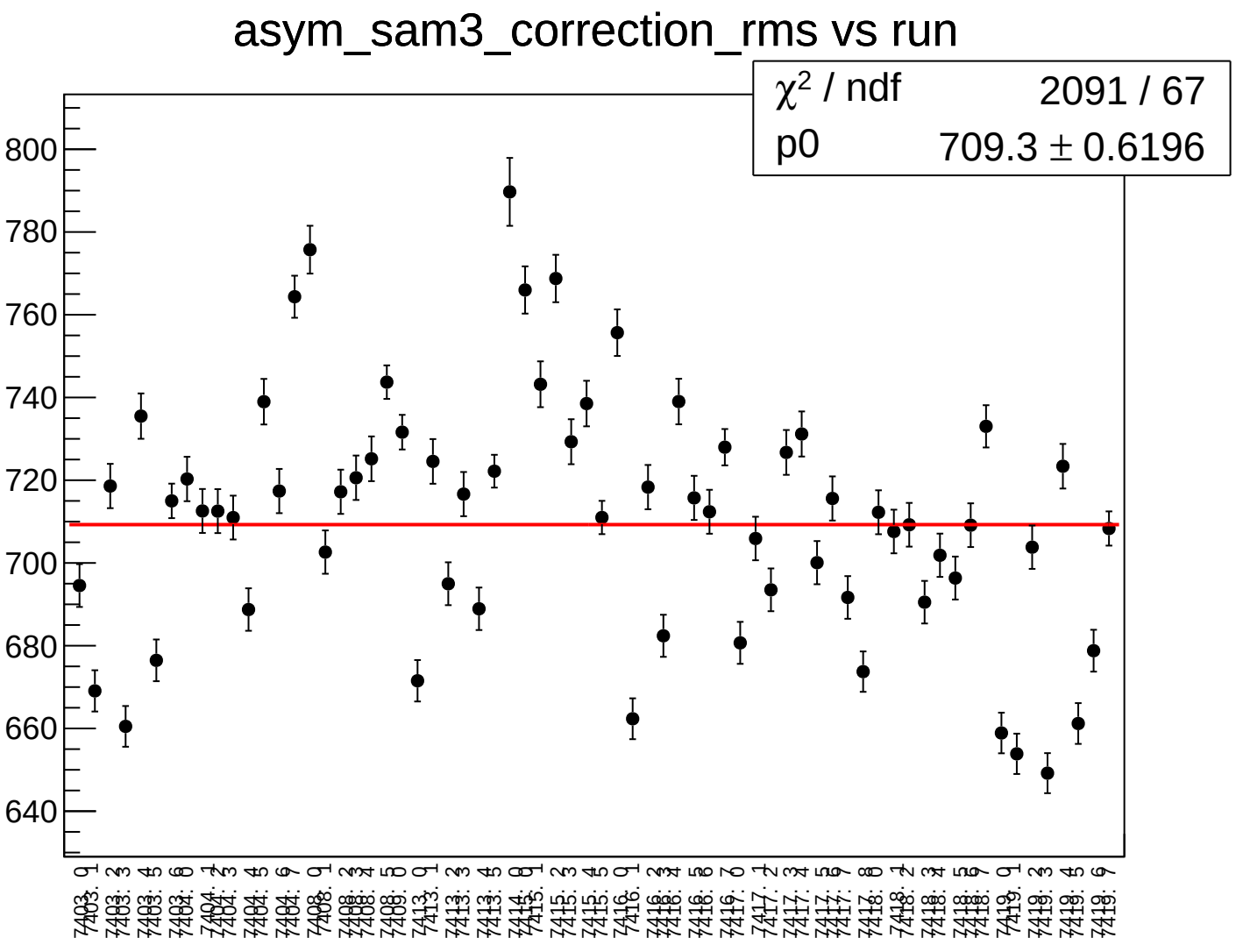

dit_asym_sam3_mean vs run
χ^2 / ndf 48.31 / 67
p0 83.54 ± 176.4
6000
4000
2000
0
−2000
−4000
pull
Entries 68
Mean −39.19
Std Dev 73.17
2
1
0
−1
−2

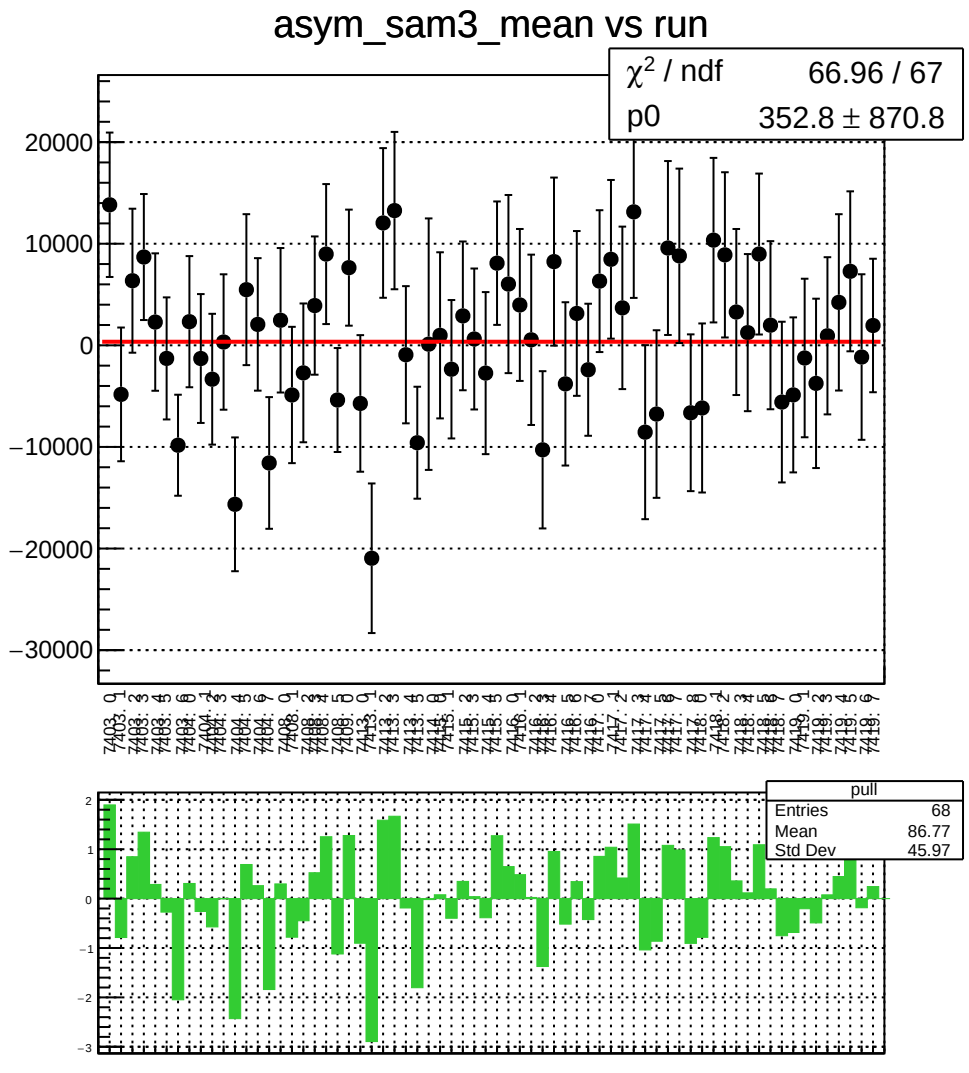

pull1D
Entries 68
Mean −0.01332
Std Dev 0.8428
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

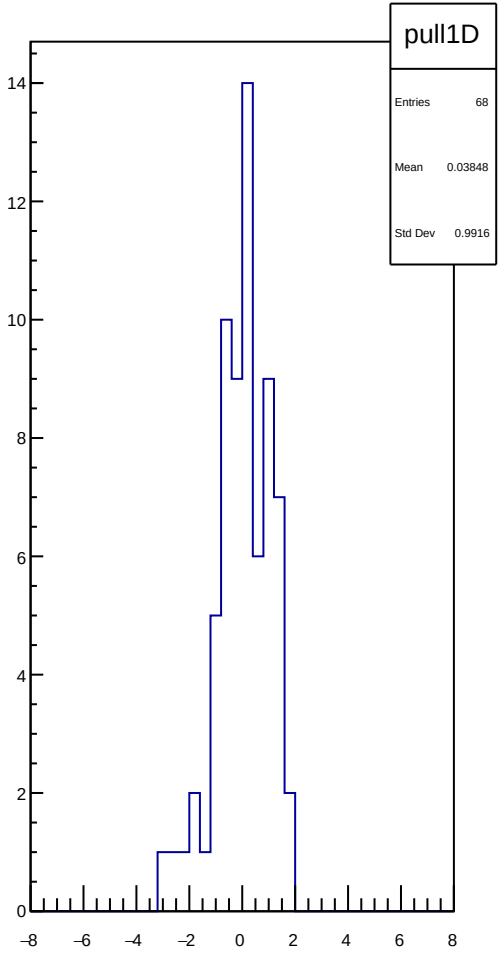

dit_asym_sam3_rms vs run
χ² / ndf 8133 / 67
p0 142.4 ± 0.1247
180
170
160
150
140
130
120
110

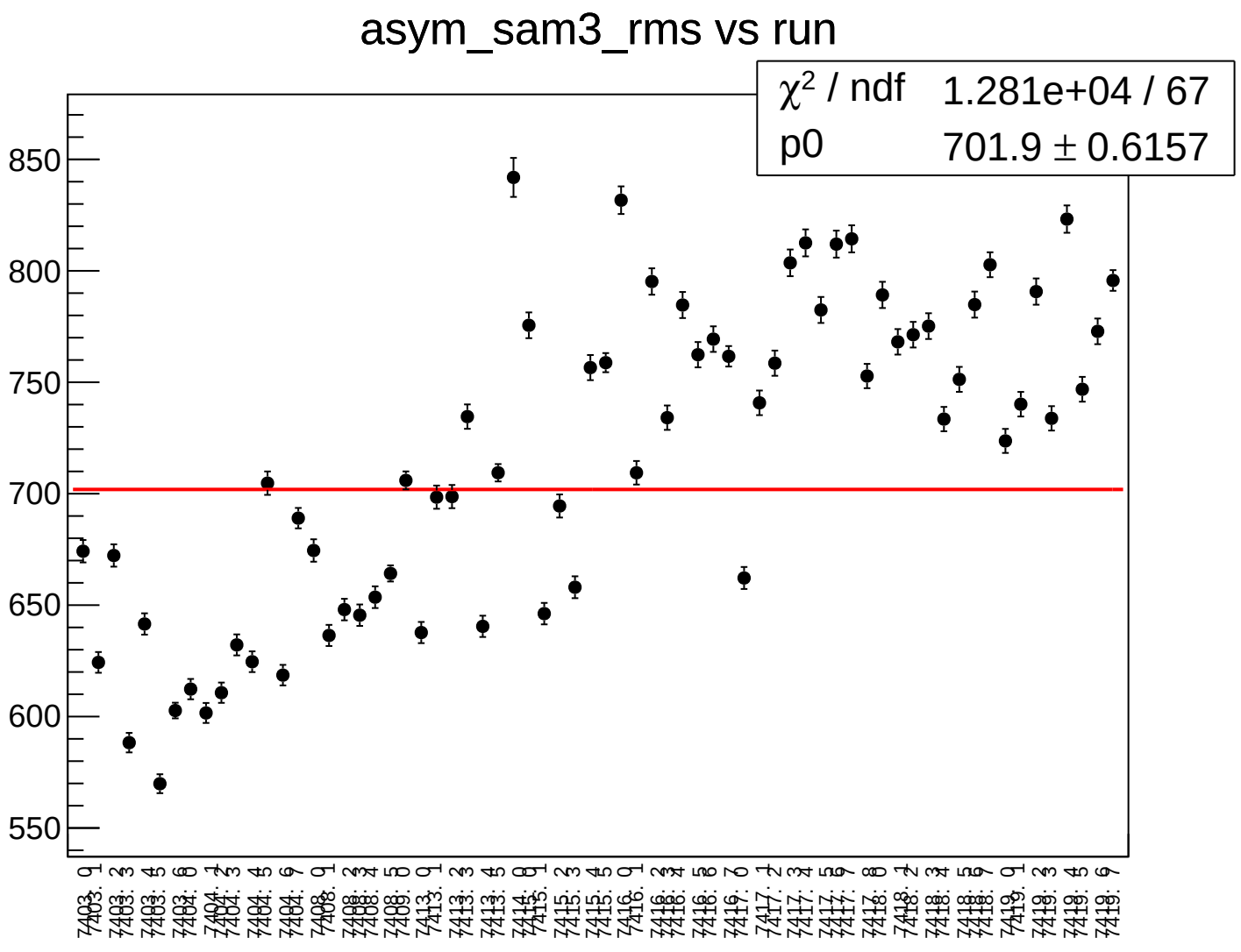

asym_sam3_correction_mean vs run
χ² / ndf 62.63 / 67
p0 −564.4 ± 876.3
30000
20000
10000
0
−10000
−20000
pull
Entries 68
Mean 127.5
Std Dev 88.81
3
2
1
0
−1
−2

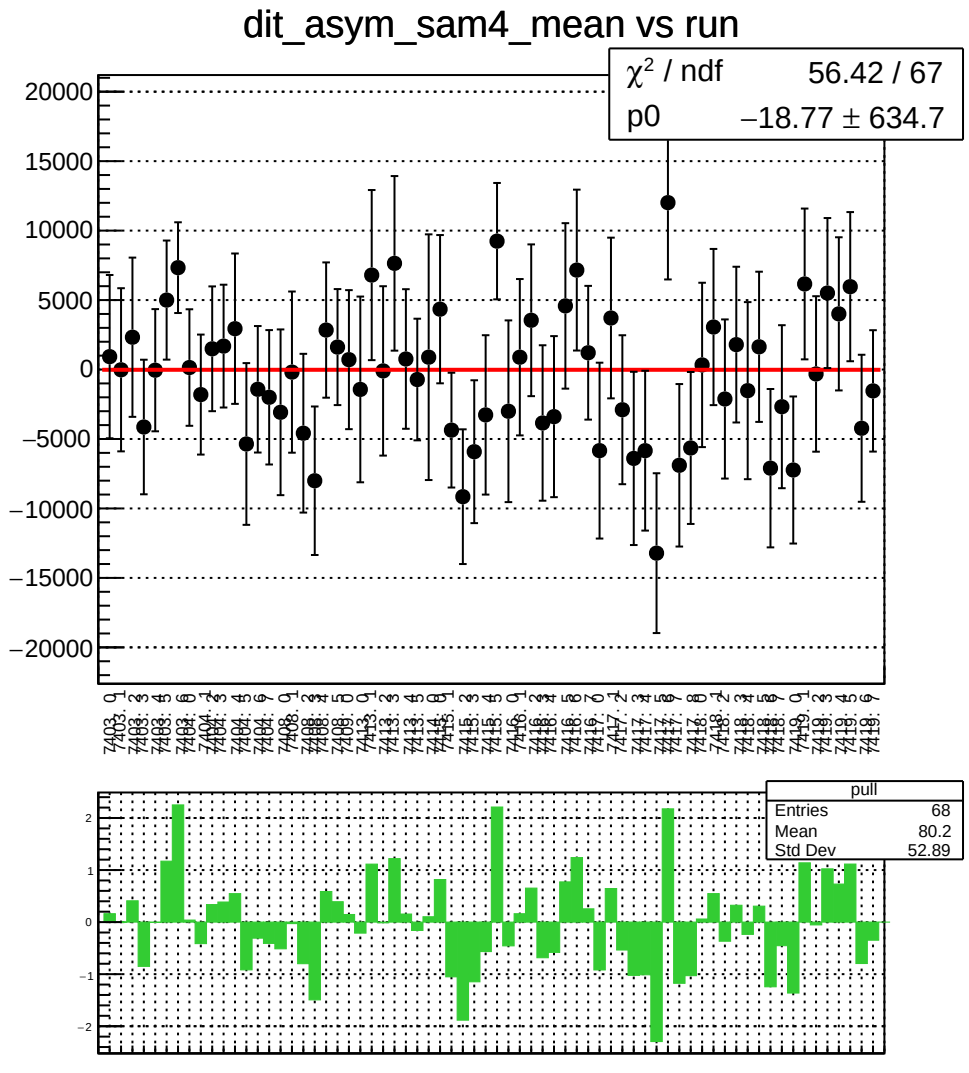

pull1D
Entries 68
Mean −0.01881
Std Dev 0.9595
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

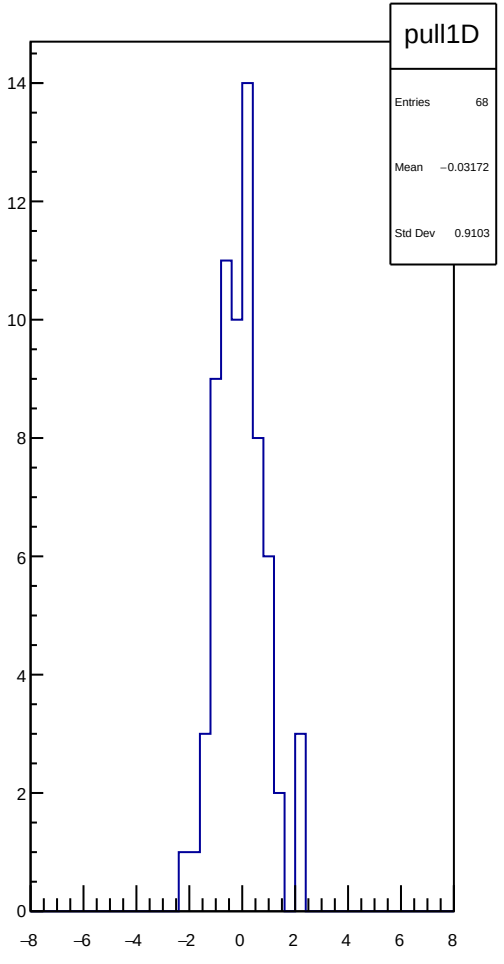

asym_sam3_correction_rms vs run
χ² / ndf 2091 / 67
p0 709.3 ± 0.6196
800
780
760
740
720
700
680
660
640

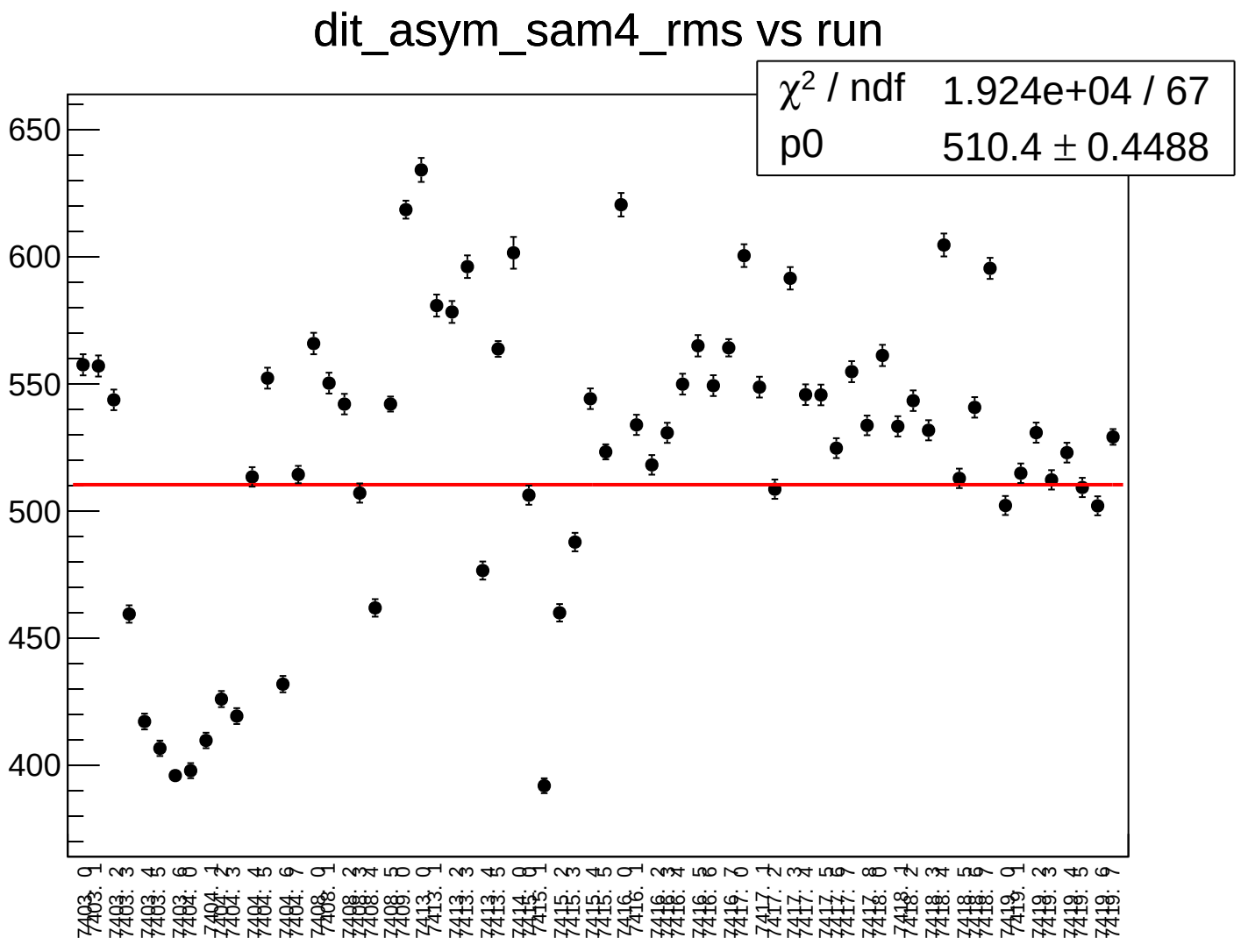

asym_sam3_mean vs run
χ² / ndf 66.96 / 67
p0 352.8 ± 870.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 86.77
Std Dev 45.97
2
1
0
−1
−2
−3

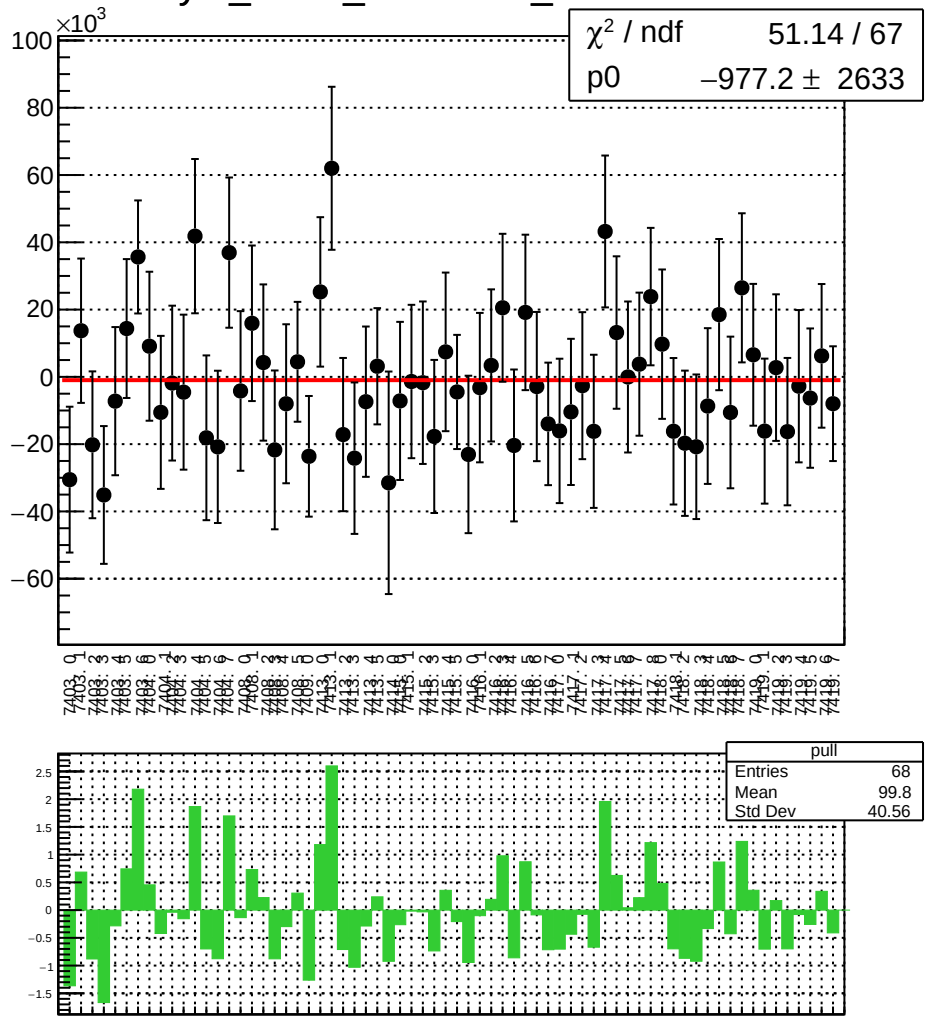

pull1D
Entries 68
Mean 0.03848
Std Dev 0.9916
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

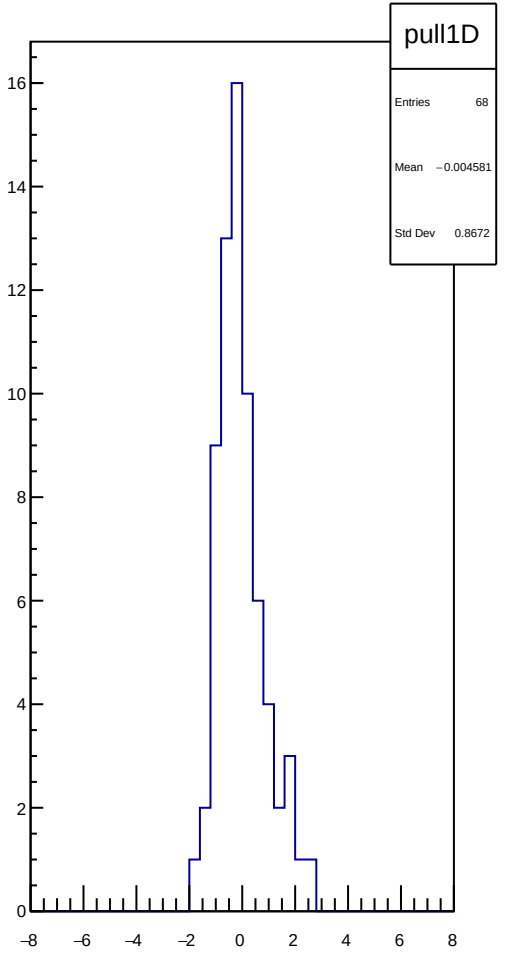

asym_sam3_rms vs run
χ² / ndf 1.281e+04 / 67
p0 701.9 ± 0.6157
850
800
750
700
650
600
550

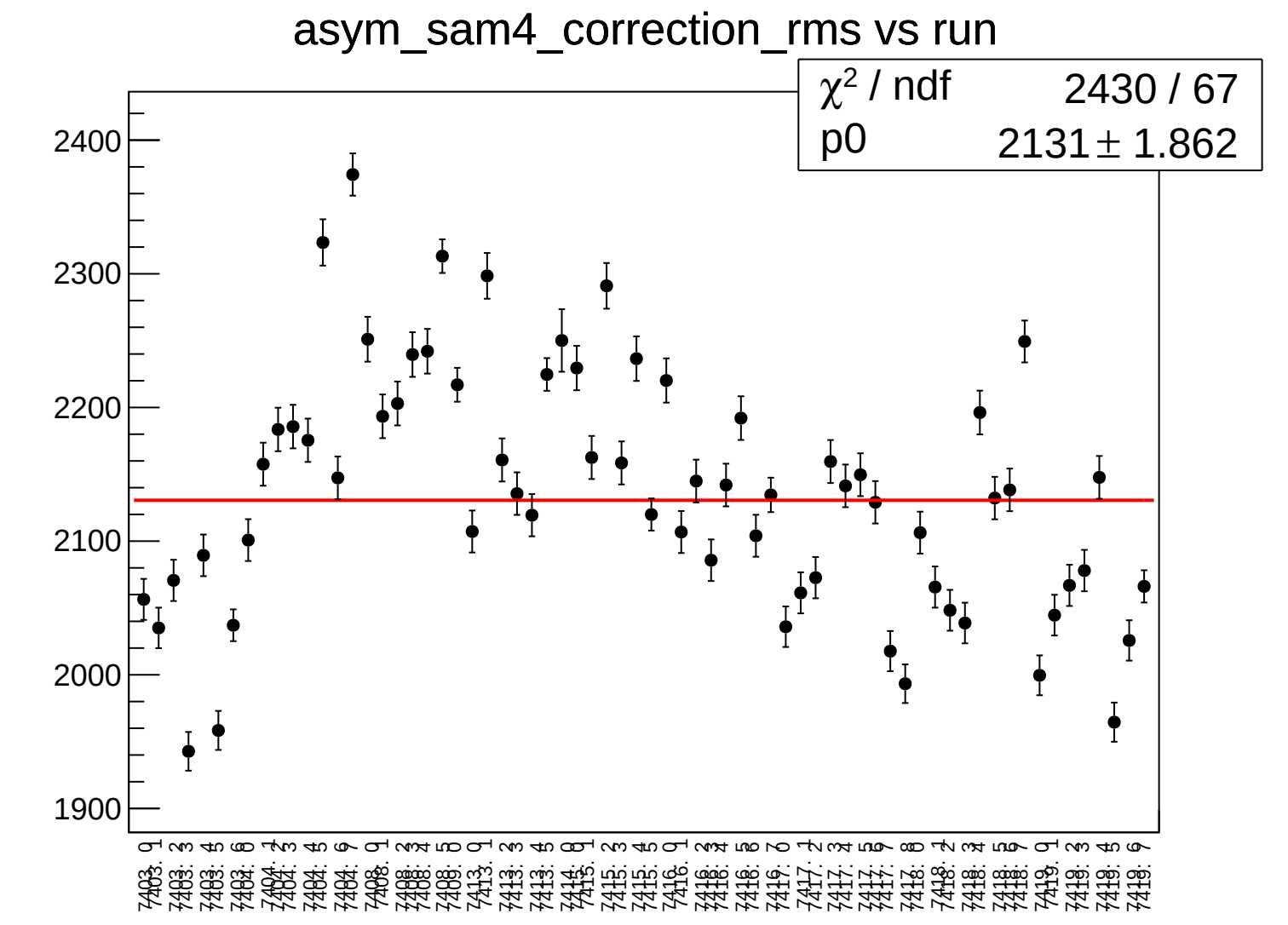

dit_asym_sam4_mean vs run
χ² / ndf 56.42 / 67
p0 −18.77 ± 634.7
pull
Entries 68
Mean 80.2
Std Dev 52.89

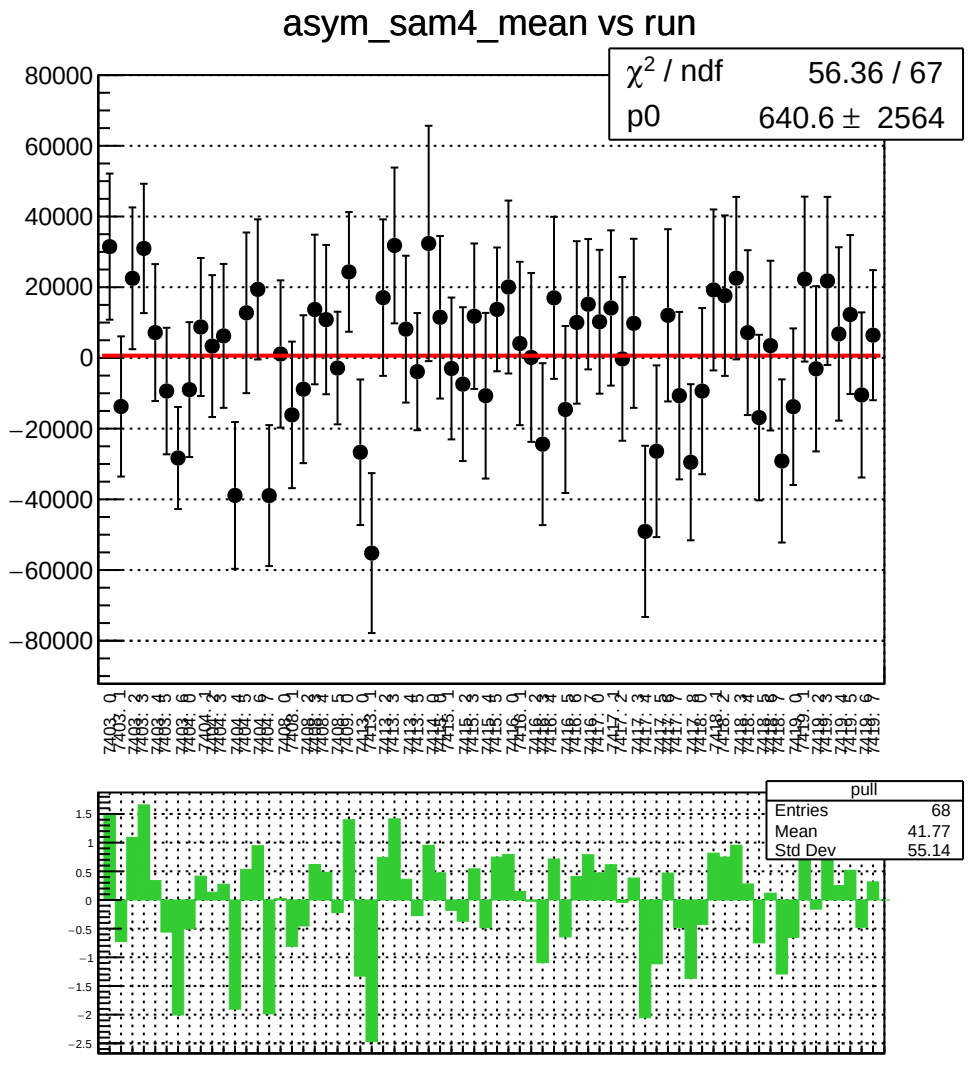

pull1D
Entries 68
Mean −0.03172
Std Dev 0.9103

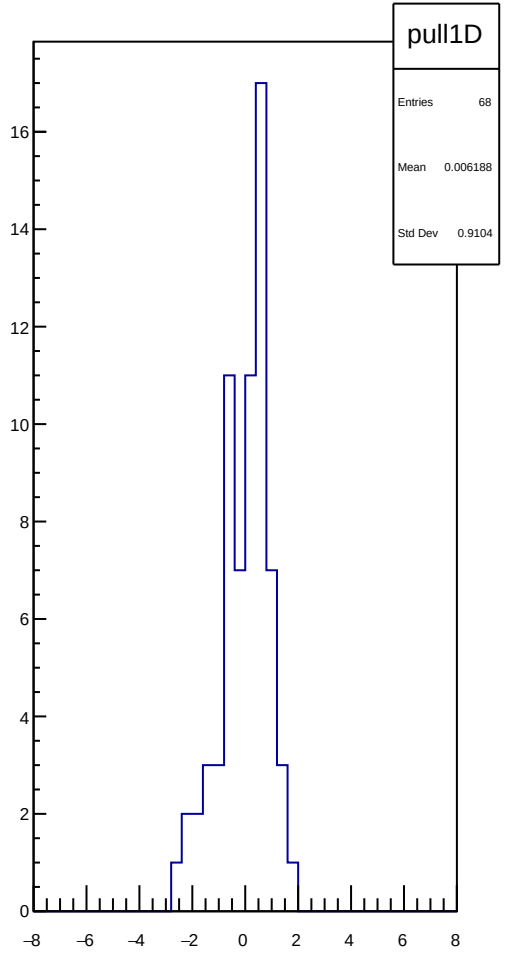

dit_asym_sam4_rms vs run
χ² / ndf 1.924e+04 / 67
p0 510.4 ± 0.4488
650
600
550
500
450
400

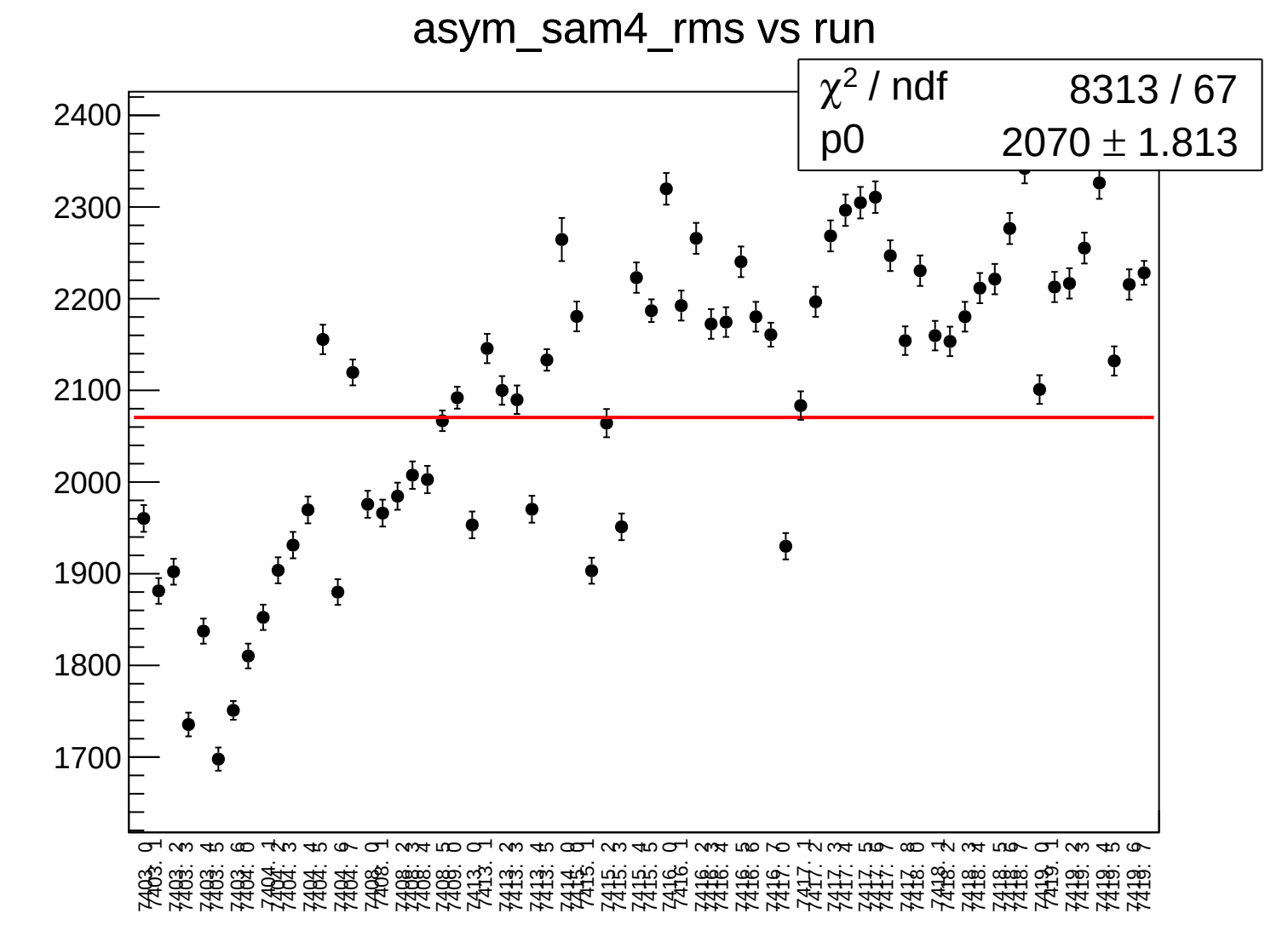

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 51.14 / 67
p0 −977.2 ± 2633
pull
Entries 68
Mean 99.8
Std Dev 40.56

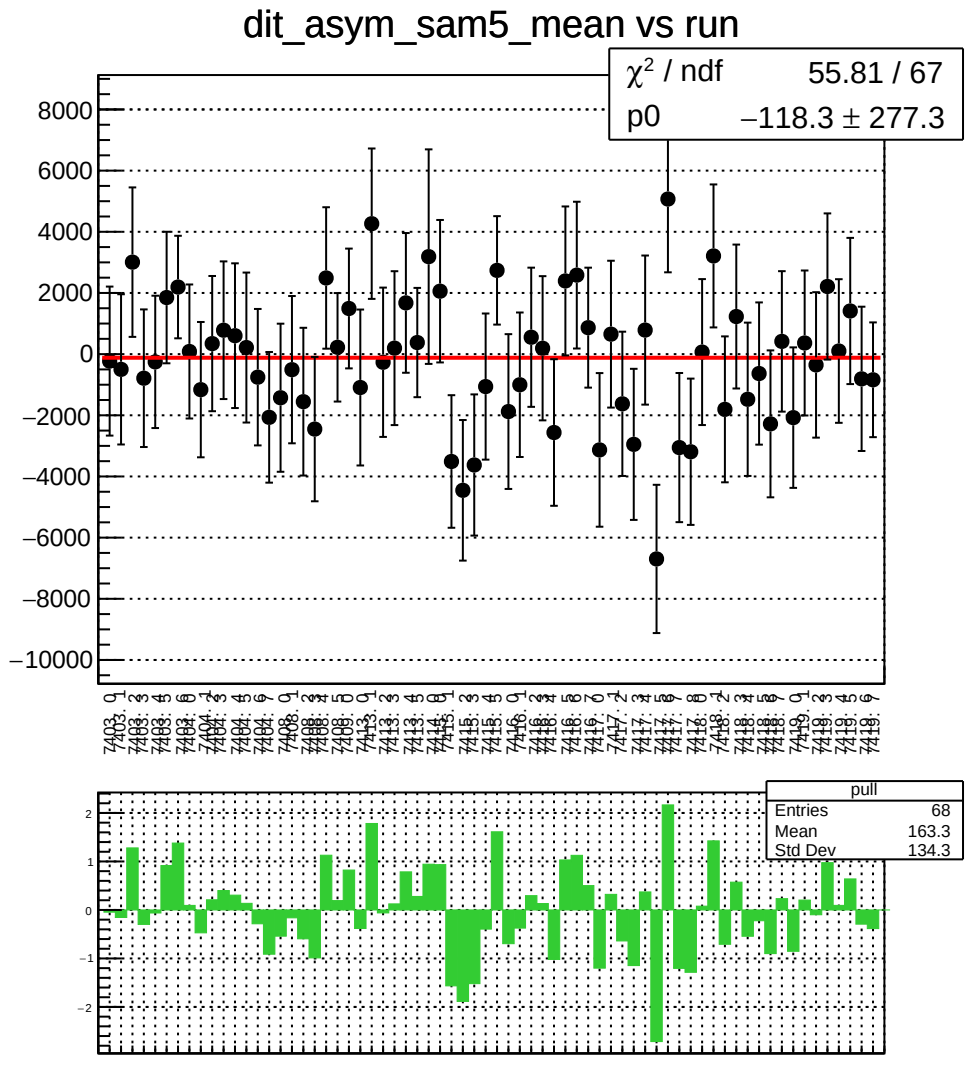

pull1D
Entries 68
Mean −0.004581
Std Dev 0.8672

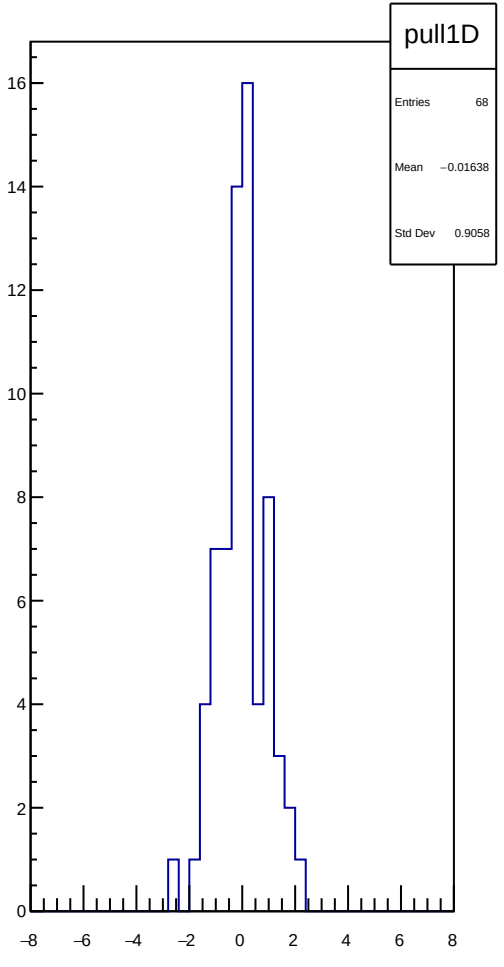

asym_sam4_correction_rms vs run
χ² / ndf 2430 / 67
p0 2131 ± 1.862
2400
2300
2200
2100
2000
1900

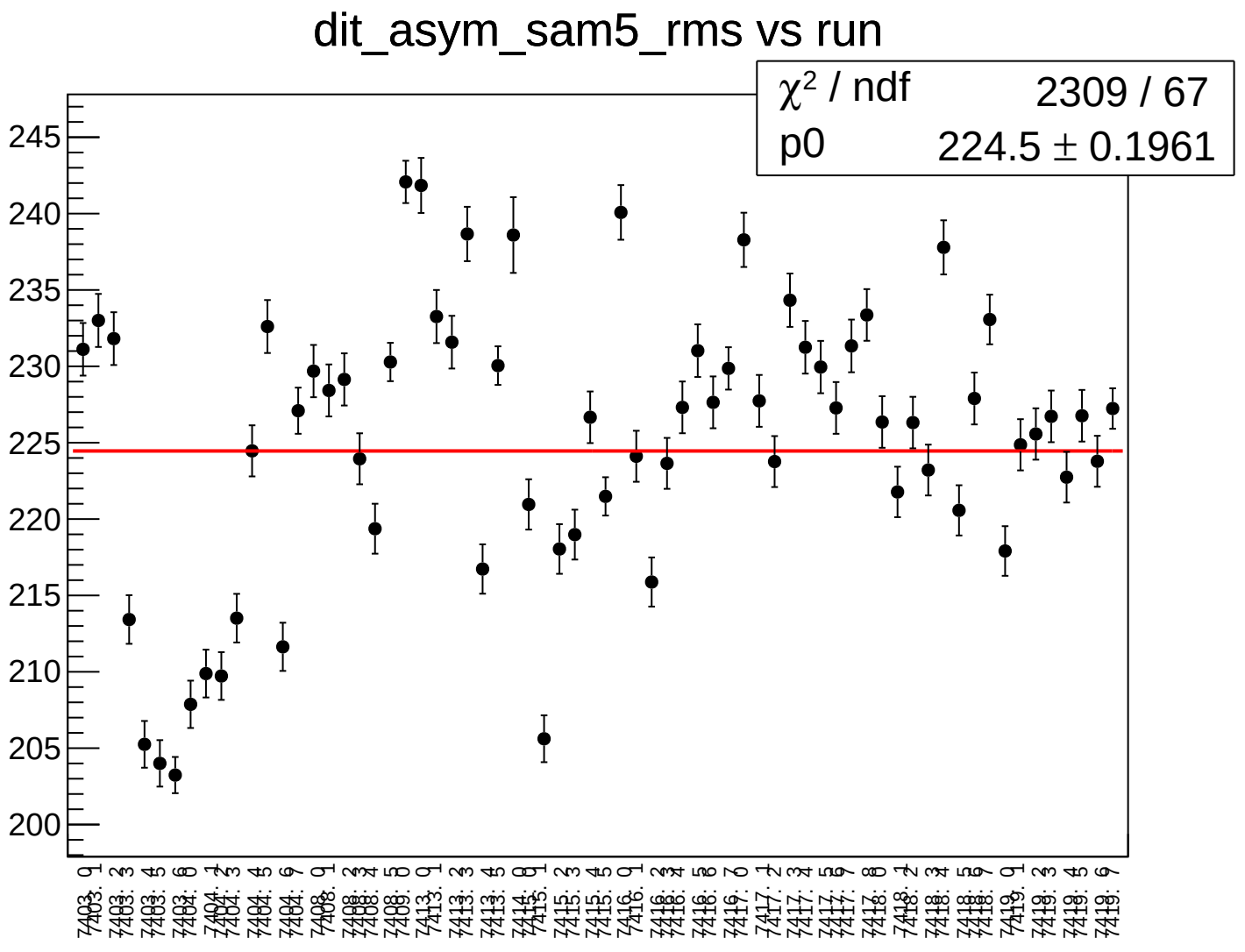

asym_sam4_mean vs run
χ² / ndf 56.36 / 67
p0 640.6 ± 2564
pull
Entries 68
Mean 41.77
Std Dev 55.14

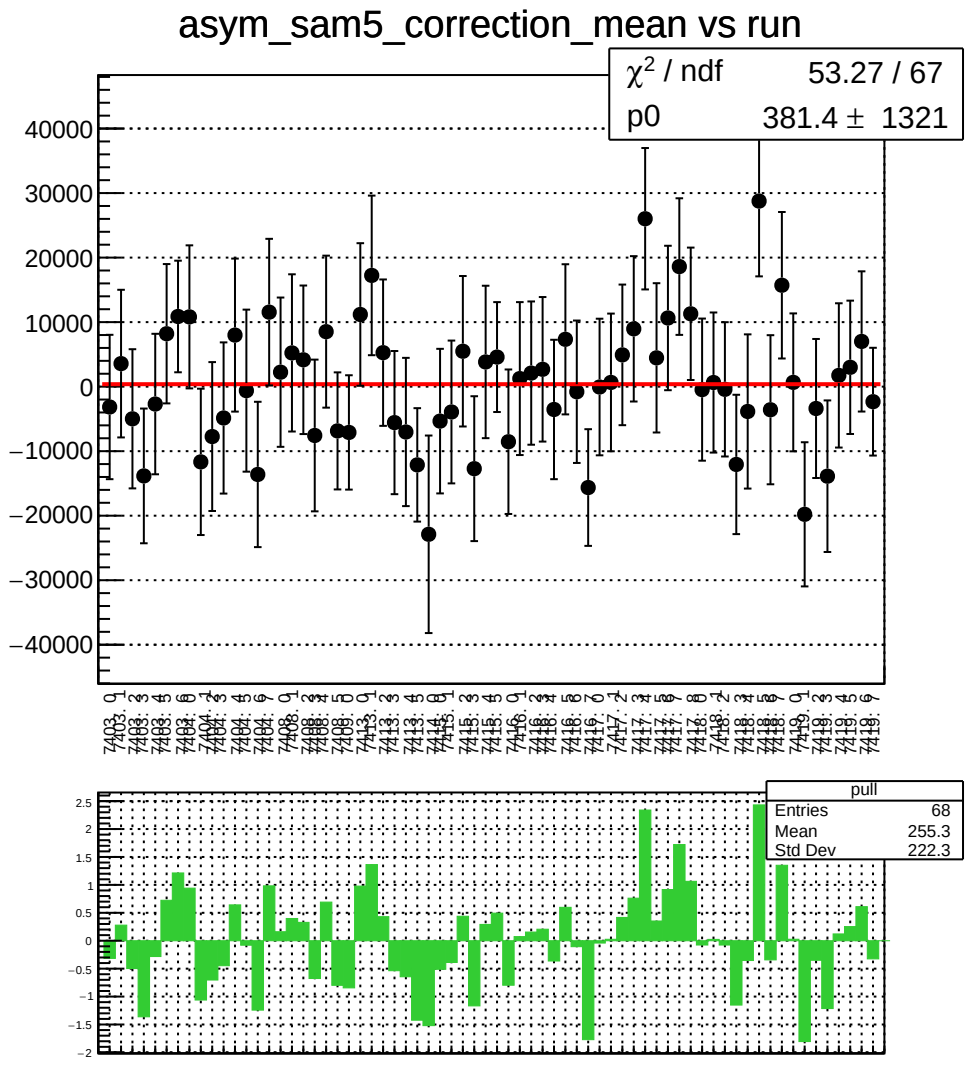

pull1D
Entries 68
Mean 0.006188
Std Dev 0.9104

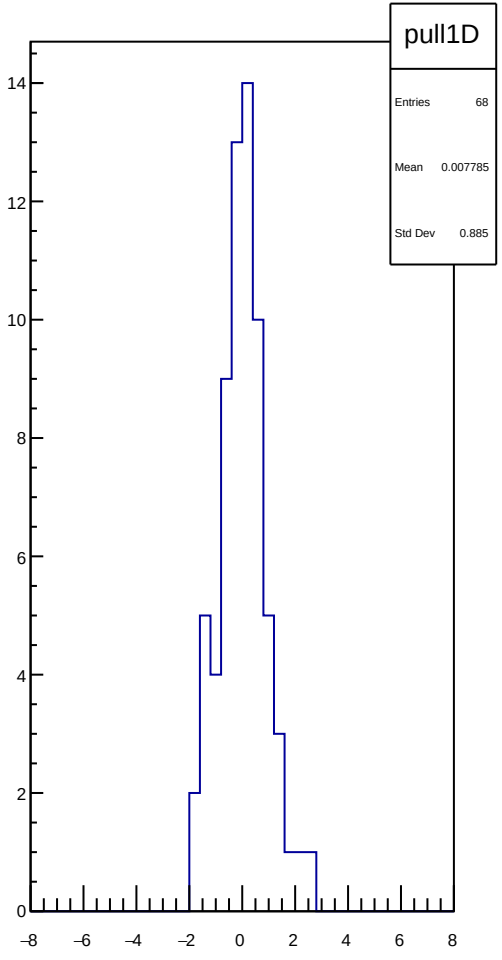

asym_sam4_rms vs run
χ² / ndf 8313 / 67
p0 2070 ± 1.813
2400
2300
2200
2100
2000
1900
1800
1700

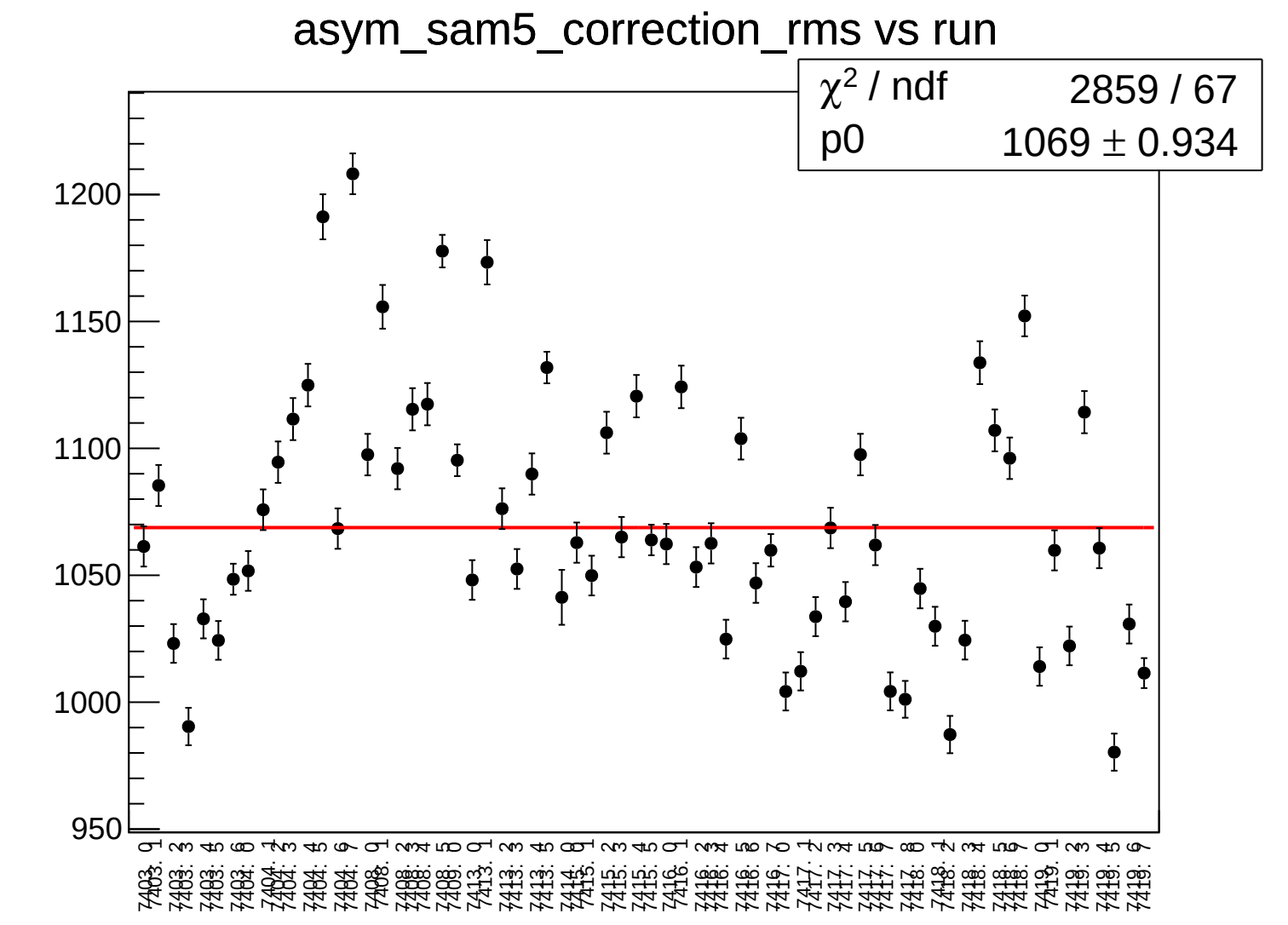

dit_asym_sam5_mean vs run
χ² / ndf 55.81 / 67
p0 −118.3 ± 277.3
pull
Entries 68
Mean 163.3
Std Dev 134.3

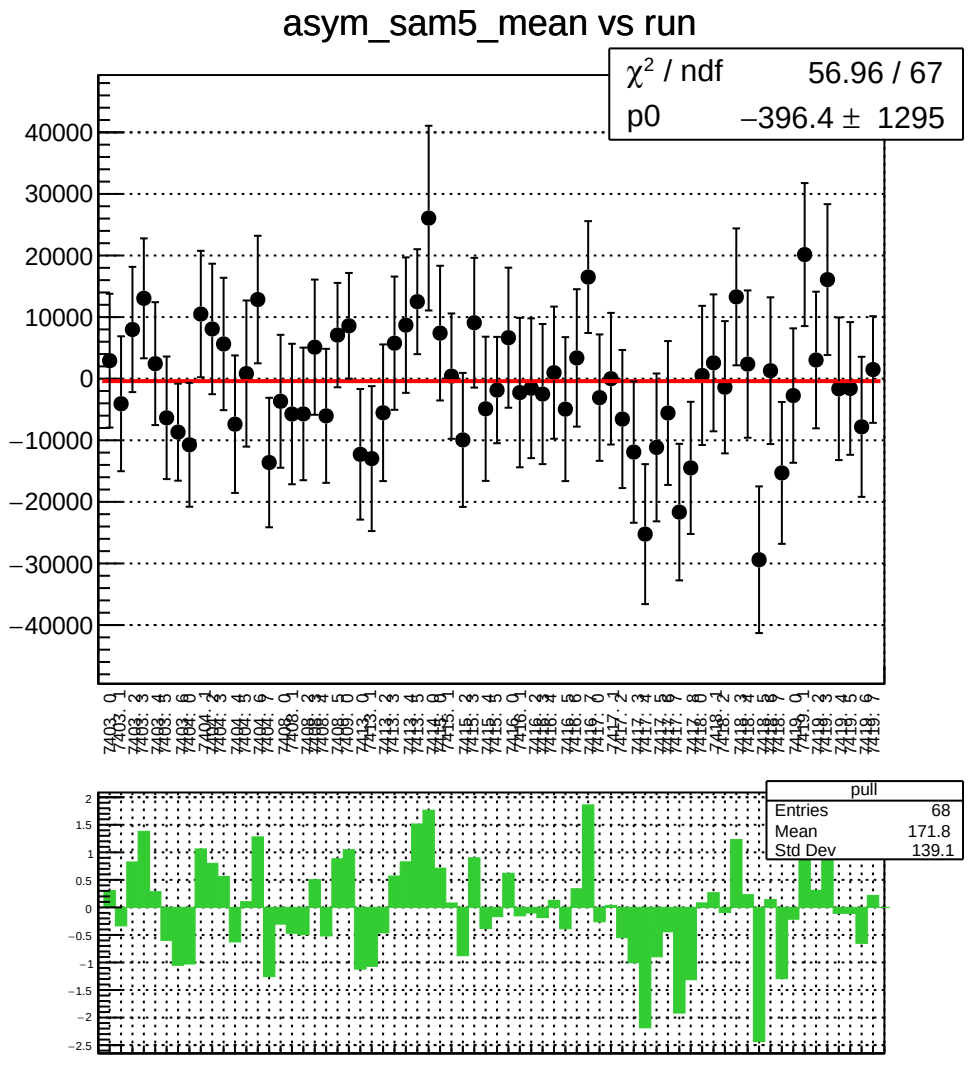

pull1D
Entries 68
Mean −0.01638
Std Dev 0.9058

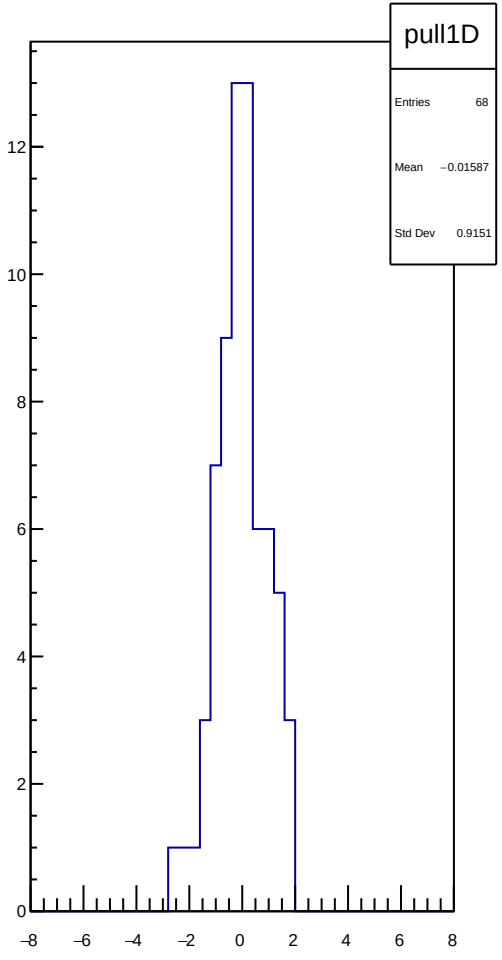

dit_asym_sam5_rms vs run
χ² / ndf 2309 / 67
p0 224.5 ± 0.1961
245
240
235
230
225
220
215
210
205
200

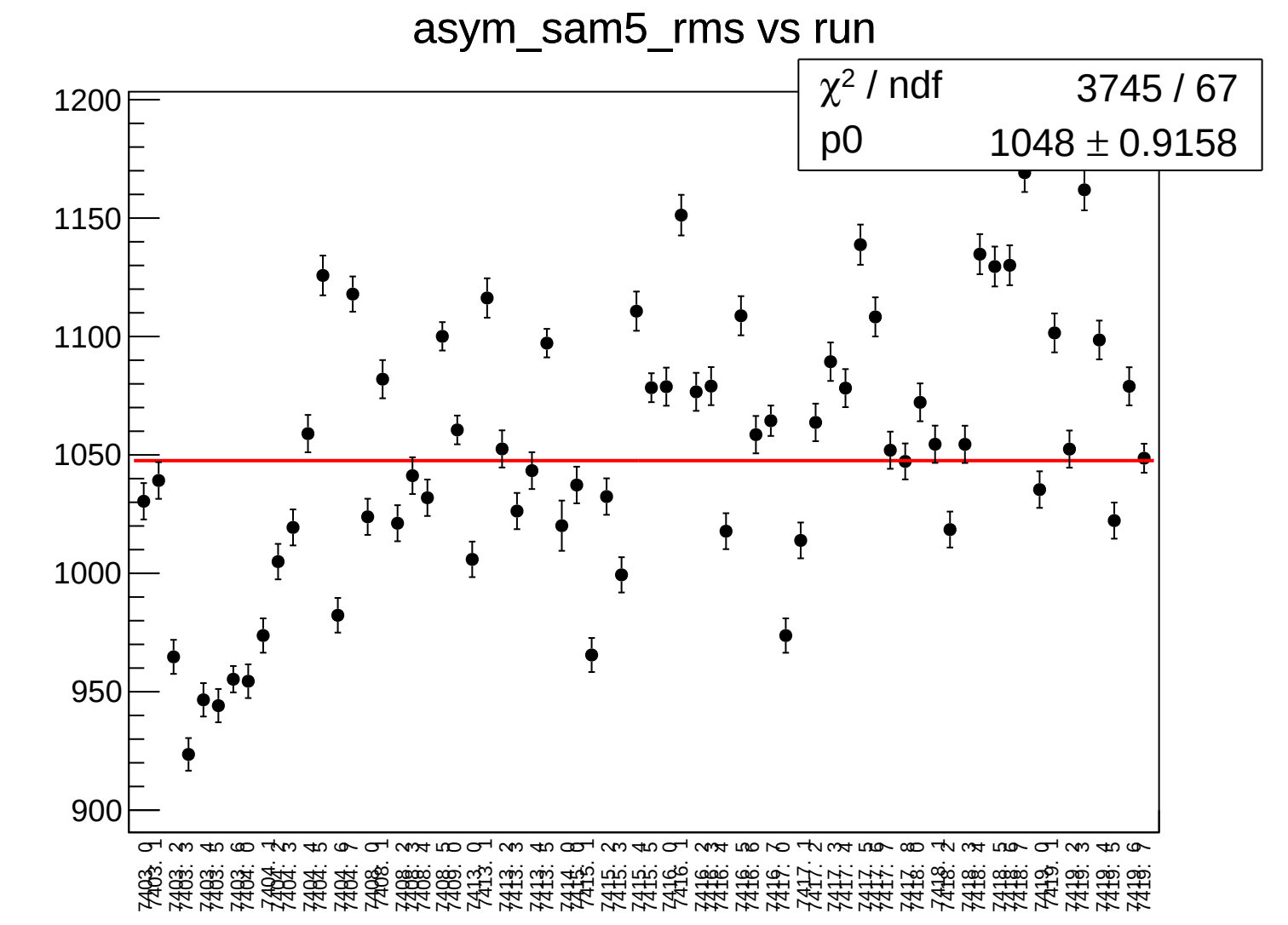

asym_sam5_correction_mean vs run
χ² / ndf 53.27 / 67
p0 381.4 ± 1321
pull
Entries 68
Mean 255.3
Std Dev 222.3

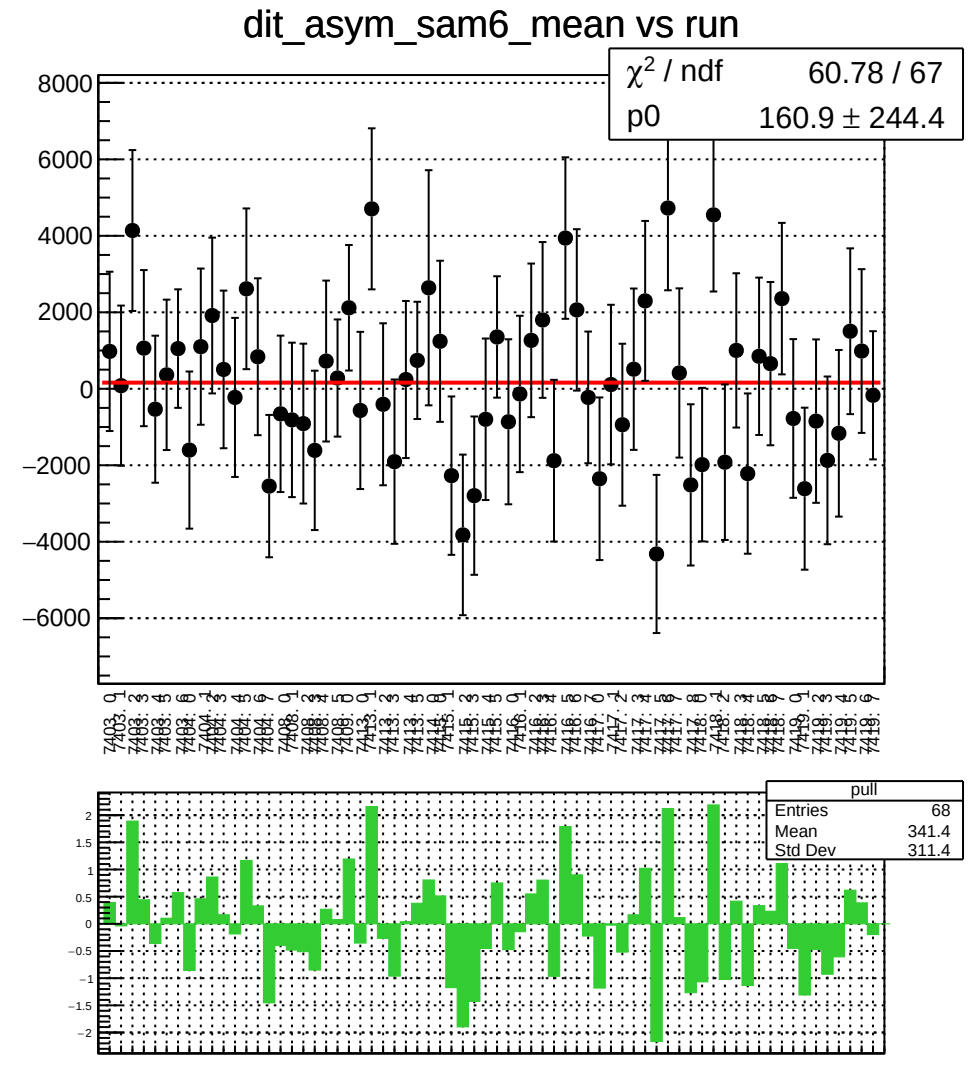

pull1D
Entries 68
Mean 0.007785
Std Dev 0.885

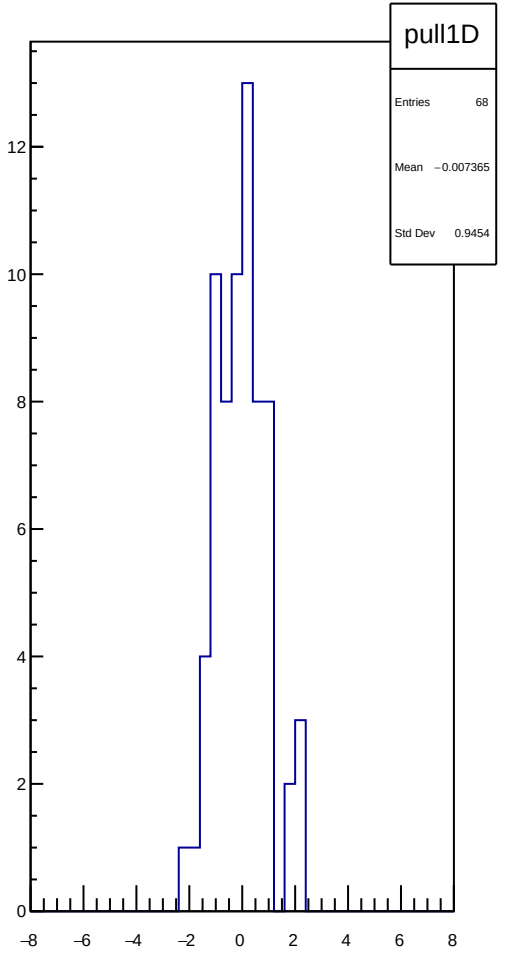

asym_sam5_correction_rms vs run
χ² / ndf 2859 / 67
p0 1069 ± 0.934
1200
1150
1100
1050
1000
950

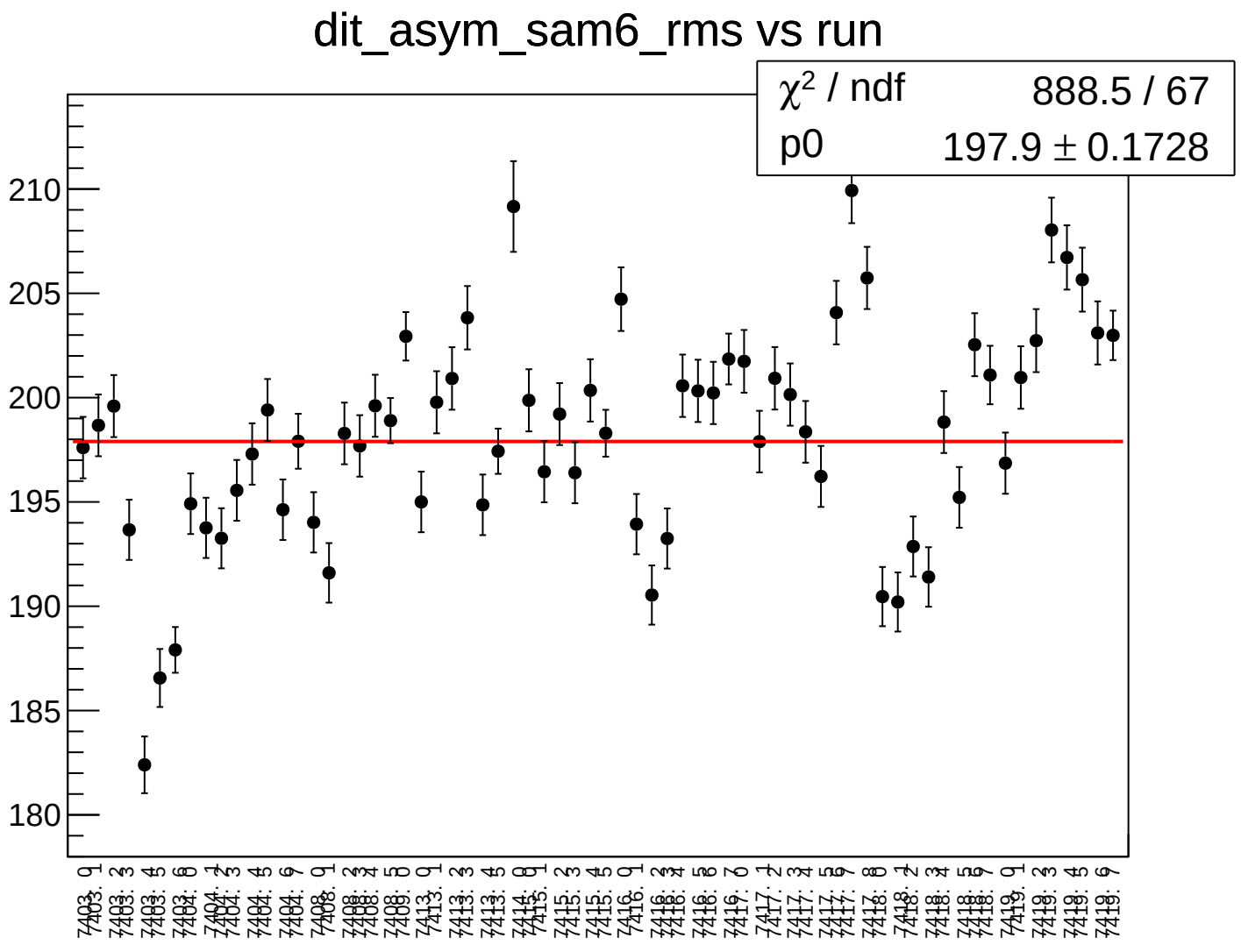

asym_sam5_mean vs run
χ² / ndf 56.96 / 67
p0 −396.4 ± 1295
pull
Entries 68
Mean 171.8
Std Dev 139.1

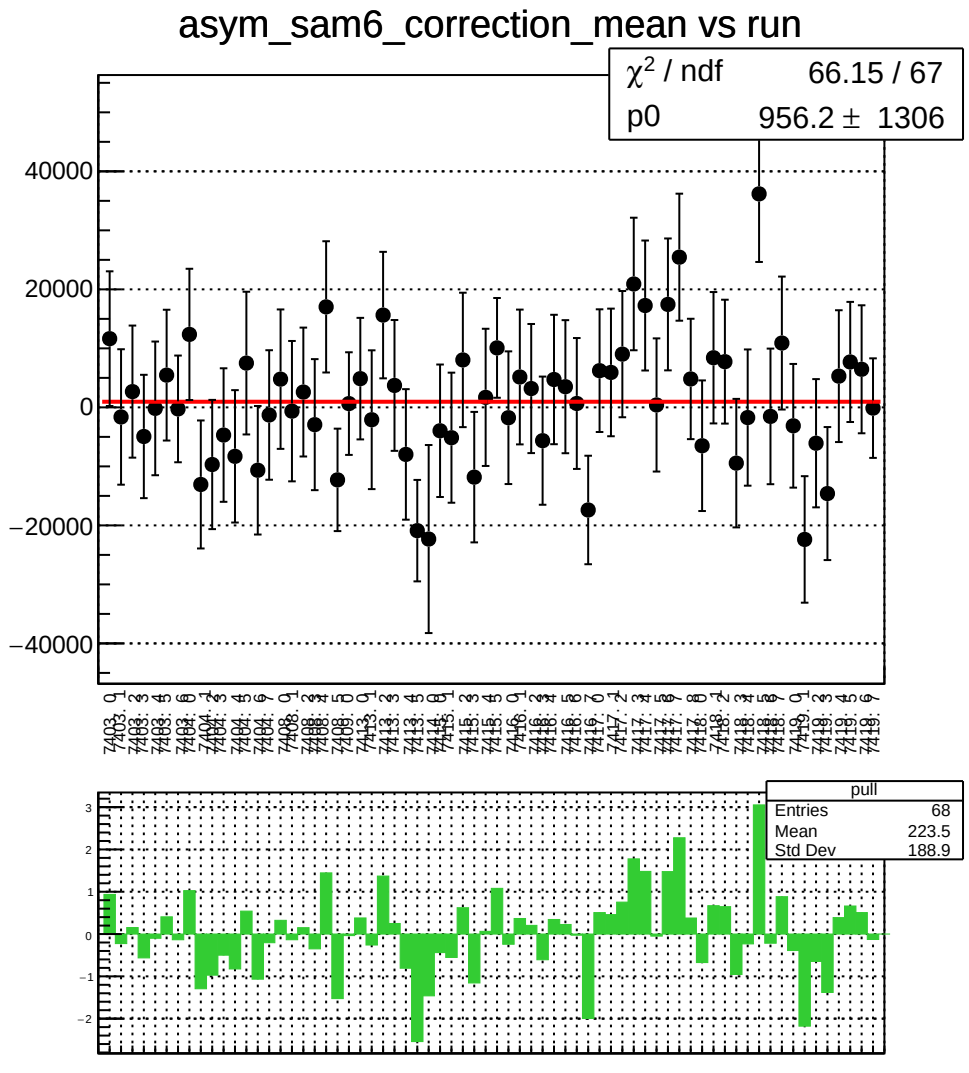

pull1D
Entries 68
Mean −0.01587
Std Dev 0.9151

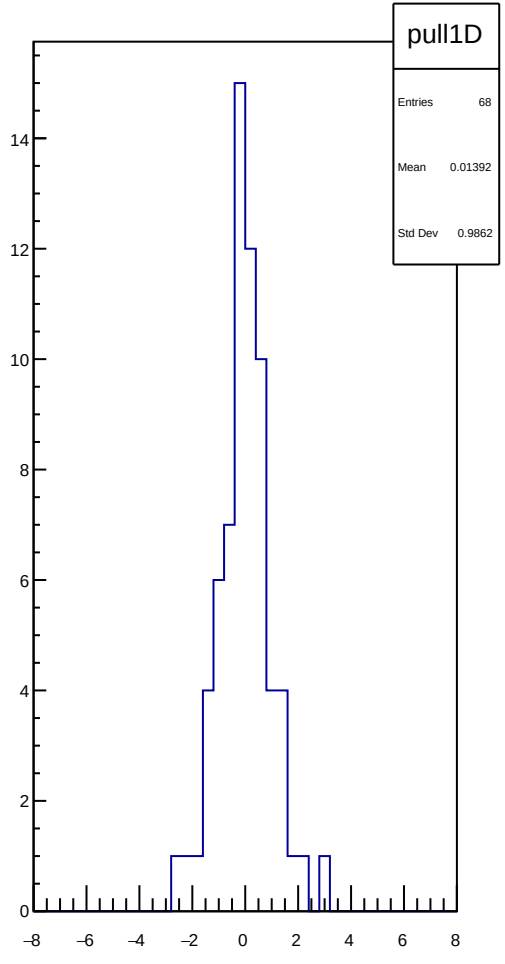

asym_sam5_rms vs run
χ² / ndf 3745 / 67
p0 1048 ± 0.9158
1200
1150
1100
1050
1000
950
900

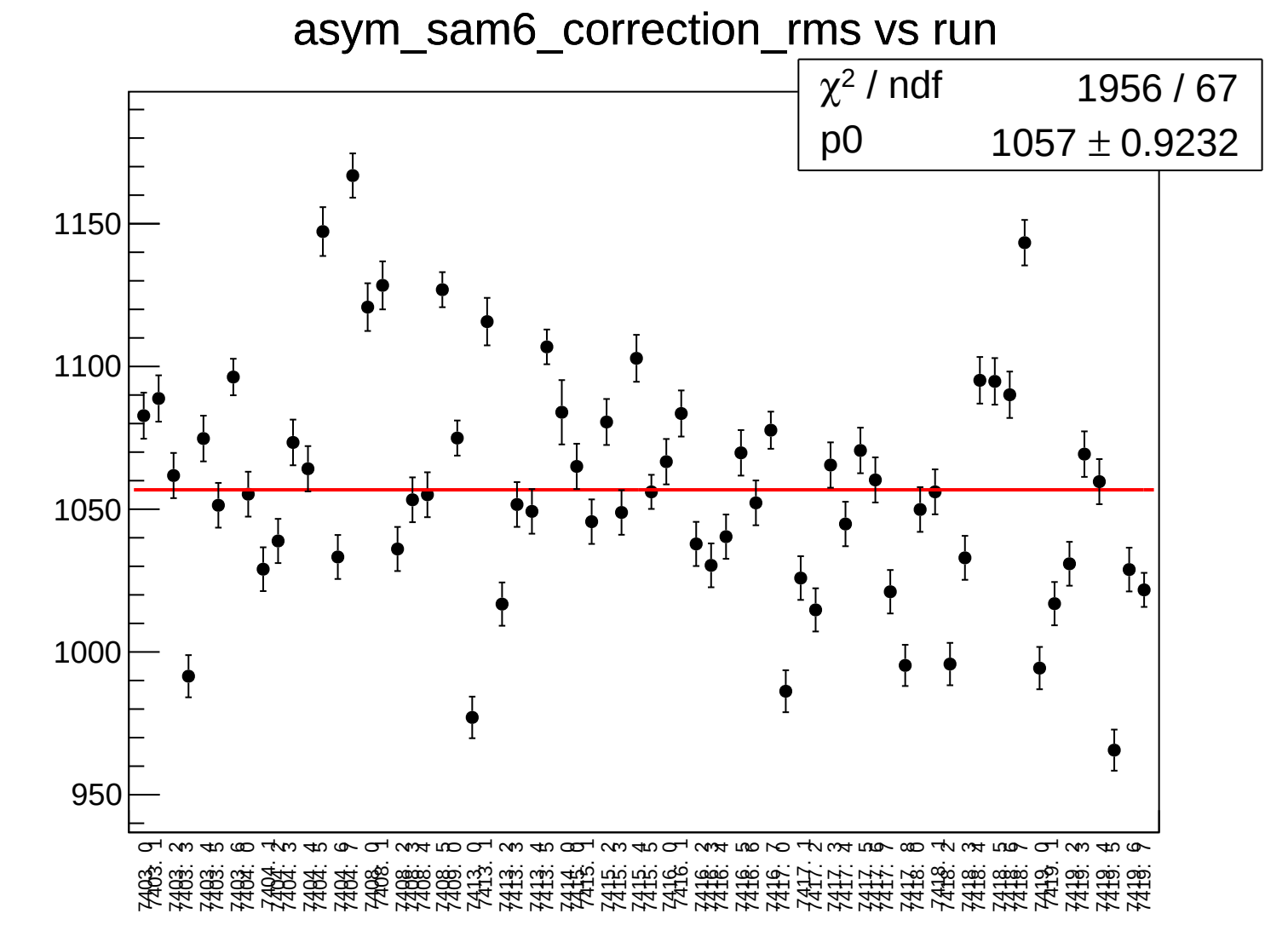

dit_asym_sam6_mean vs run
χ^2 / ndf 60.78 / 67
p0 160.9 ± 244.4
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 68
Mean 341.4
Std Dev 311.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

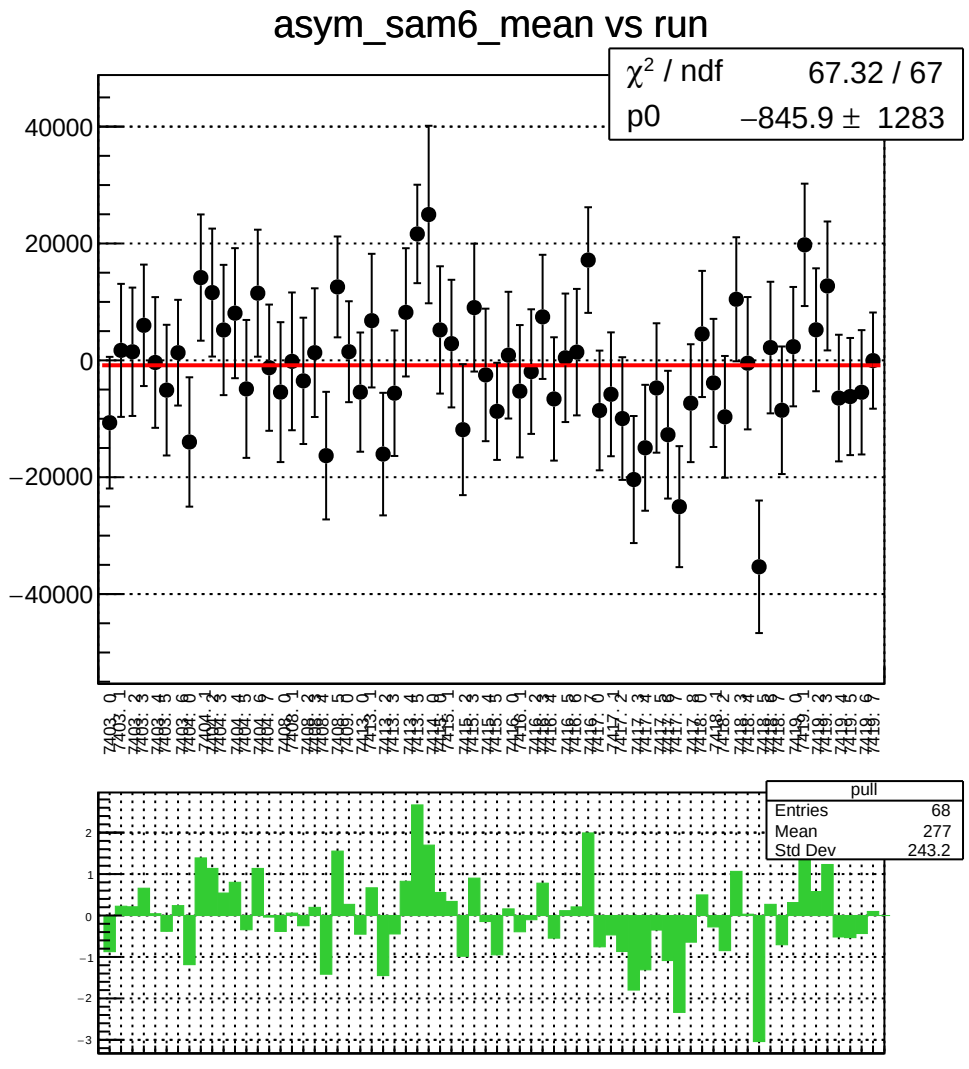

pull1D
Entries 68
Mean −0.007365
Std Dev 0.9454
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

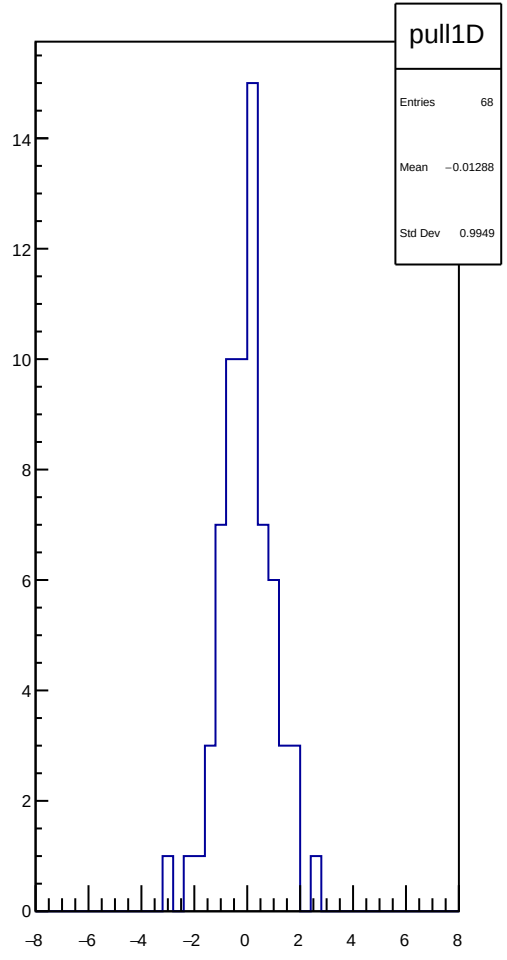

dit_asym_sam6_rms vs run
χ² / ndf 888.5 / 67
p0 197.9 ± 0.1728
210
205
200
195
190
185
180

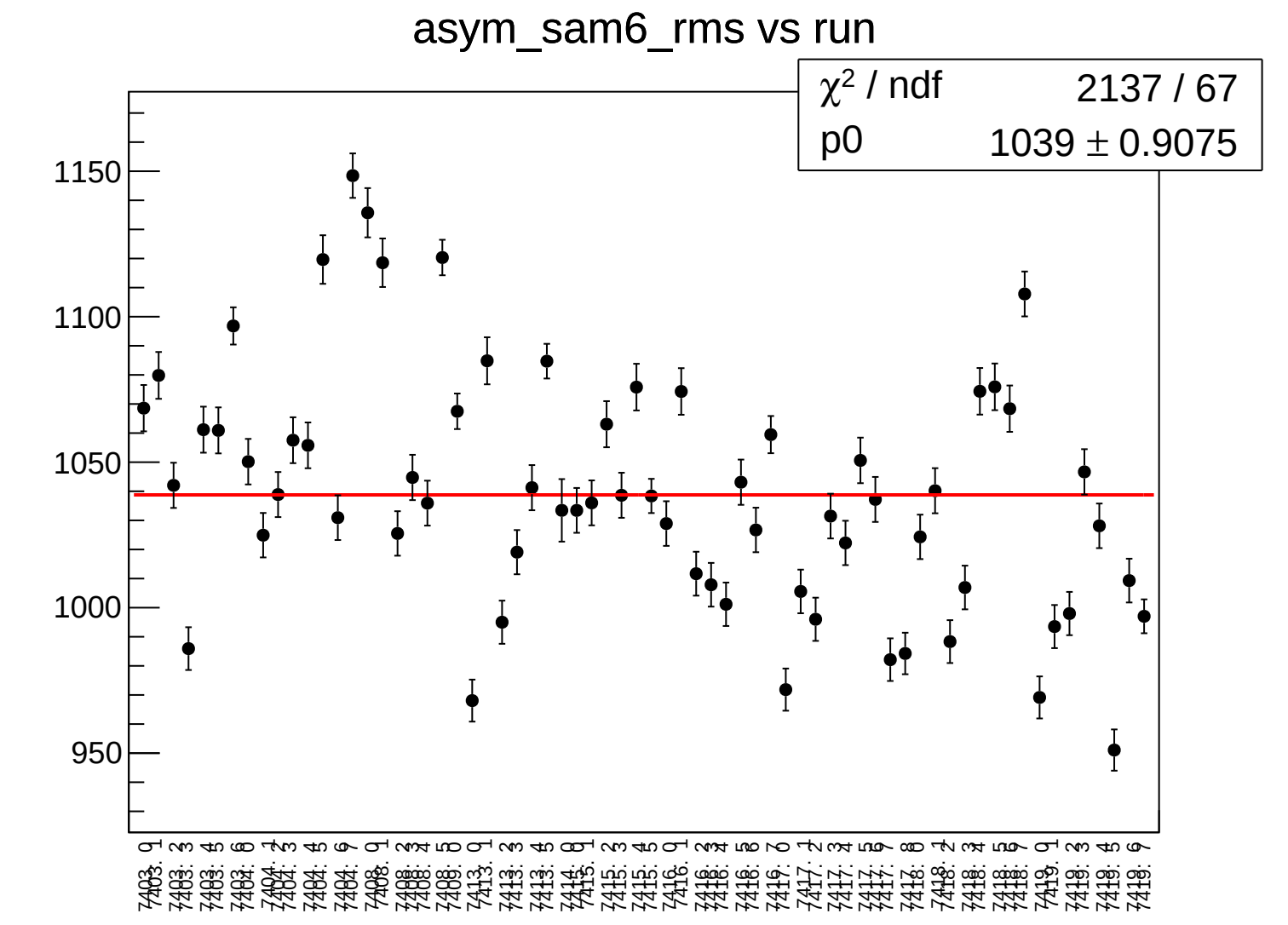

asym_sam6_correction_mean vs run
χ² / ndf 66.15 / 67
p0 956.2 ± 1306
40000
20000
0
−20000
−40000
pull
Entries 68
Mean 223.5
Std Dev 188.9
3
2
1
0
−1
−2

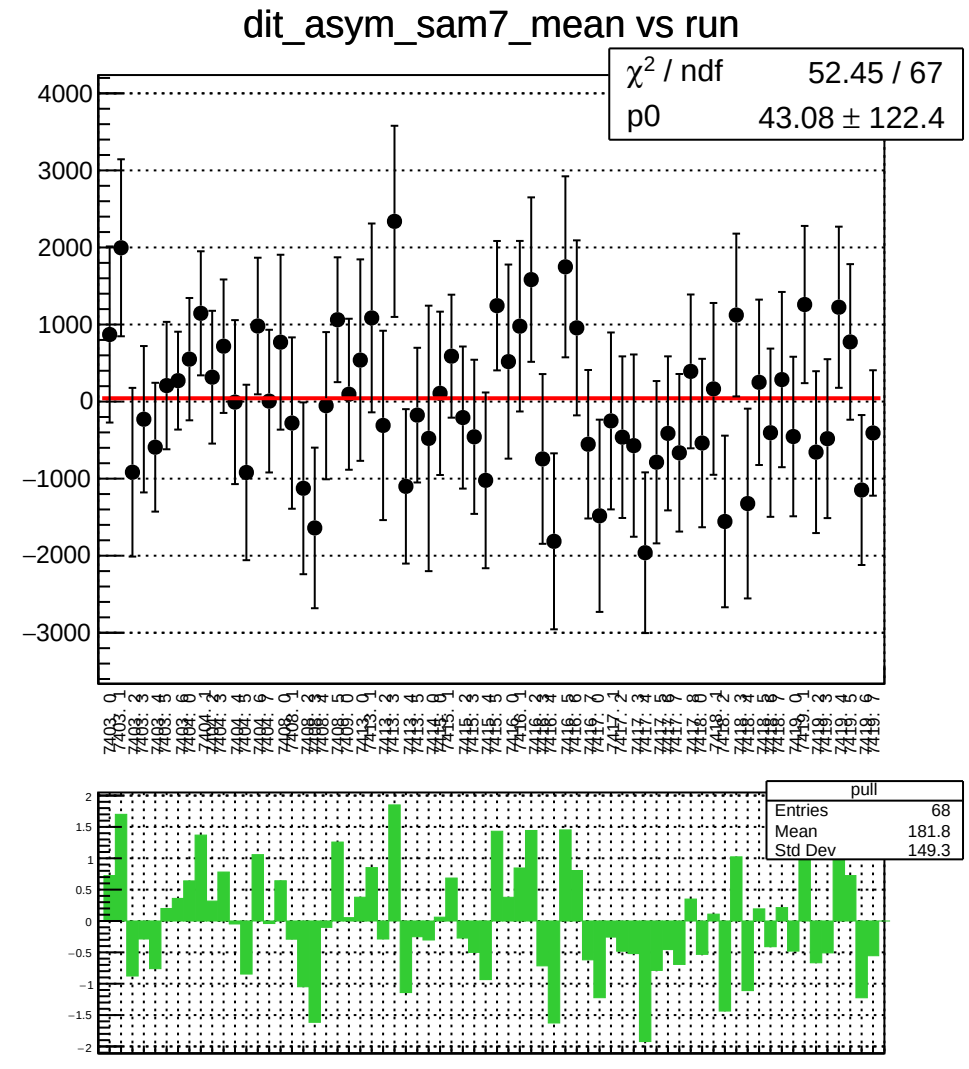

pull1D
Entries 68
Mean 0.01392
Std Dev 0.9862
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

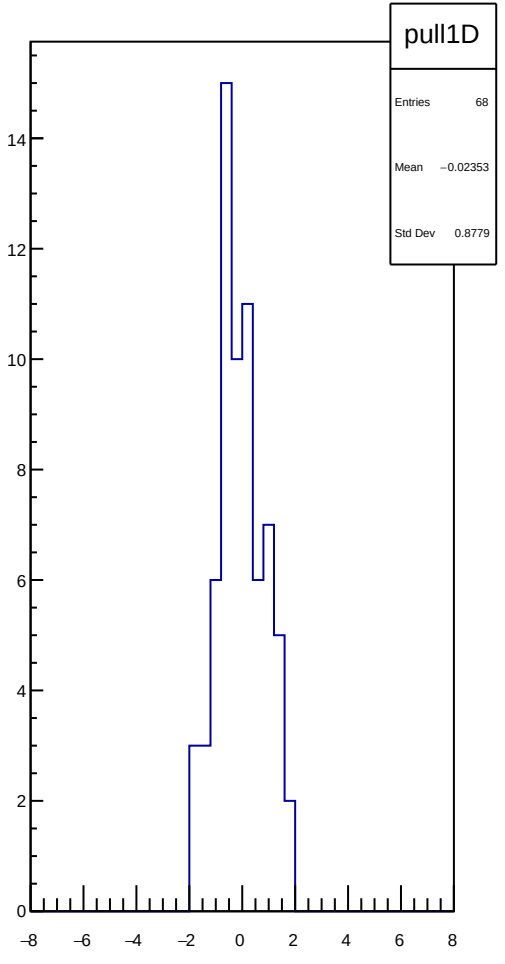

asym_sam6_correction_rms vs run
χ² / ndf 1956 / 67
p0 1057 ± 0.9232
1150
1100
1050
1000
950

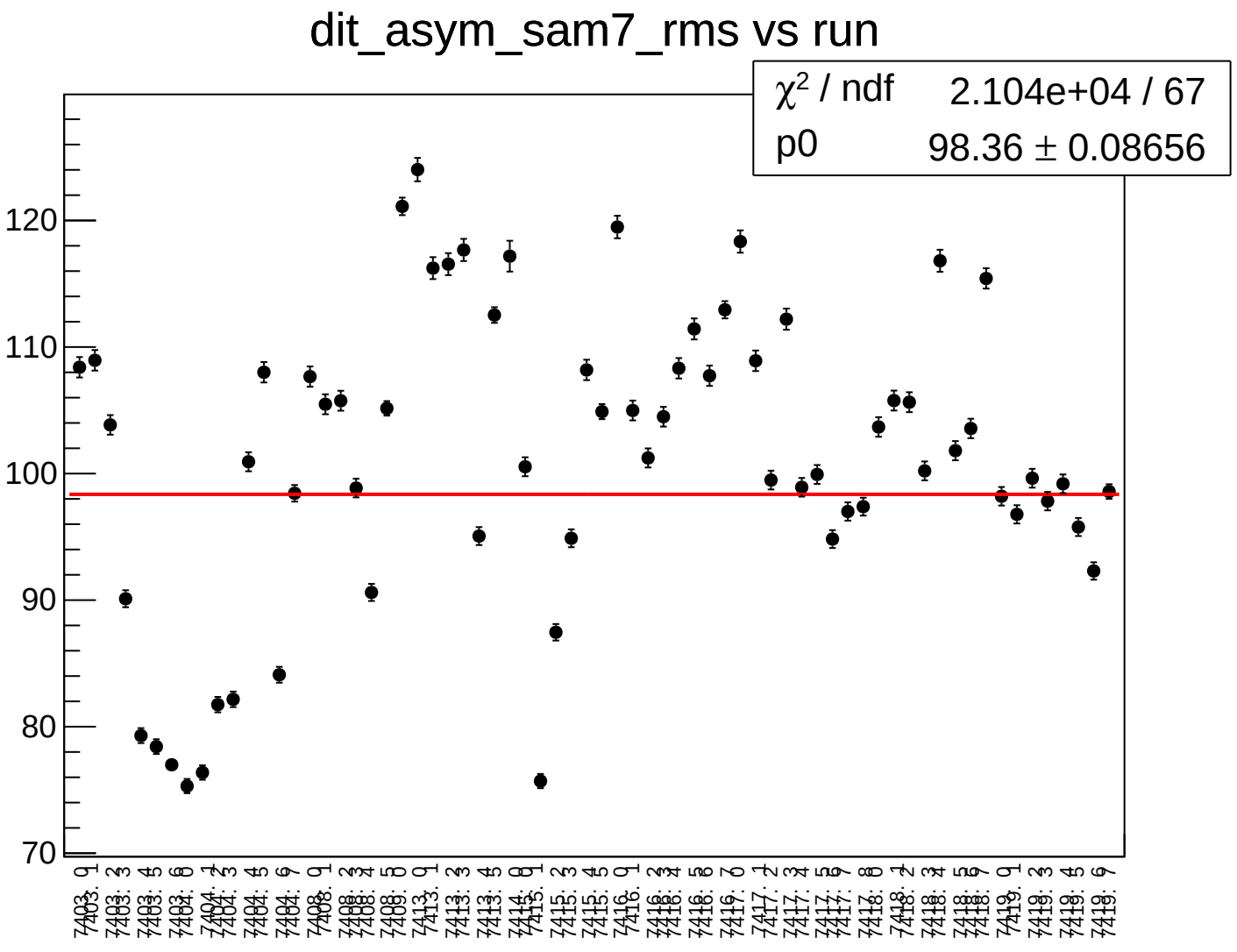

asym_sam6_mean vs run
χ² / ndf 67.32 / 67
p0 −845.9 ± 1283
40000
20000
0
−20000
−40000
pull
Entries 68
Mean 277
Std Dev 243.2
2
1
0
−1
−2
−3

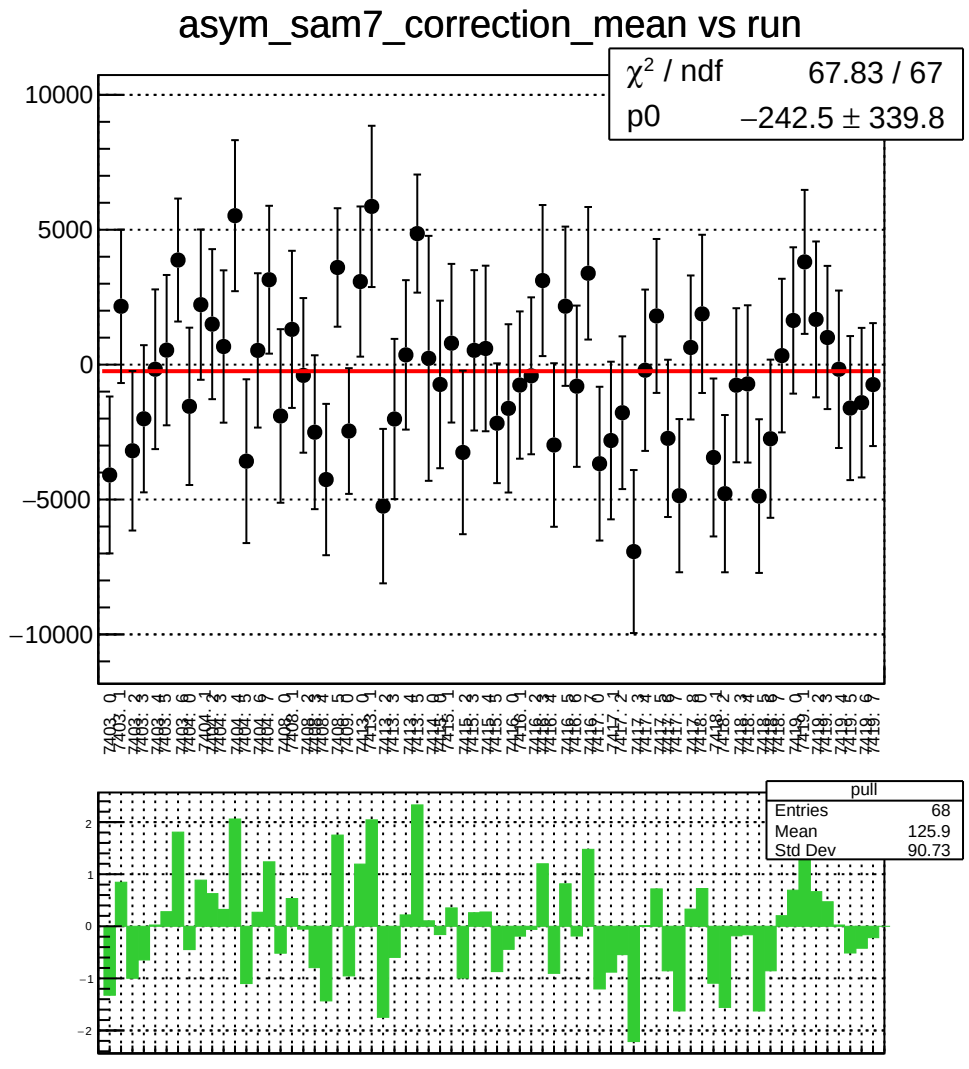

pull1D
Entries 68
Mean −0.01288
Std Dev 0.9949
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

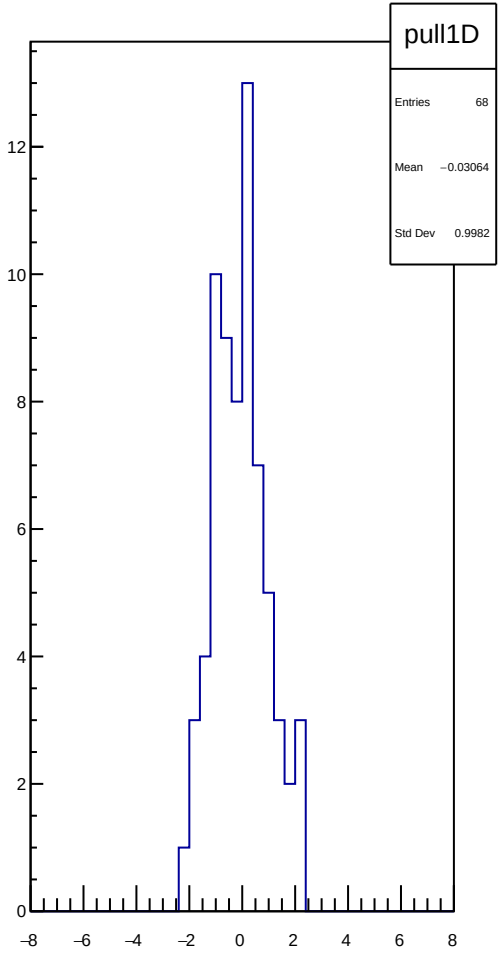

asym_sam6_rms vs run
χ² / ndf 2137 / 67
p0 1039 ± 0.9075
1150
1100
1050
1000
950

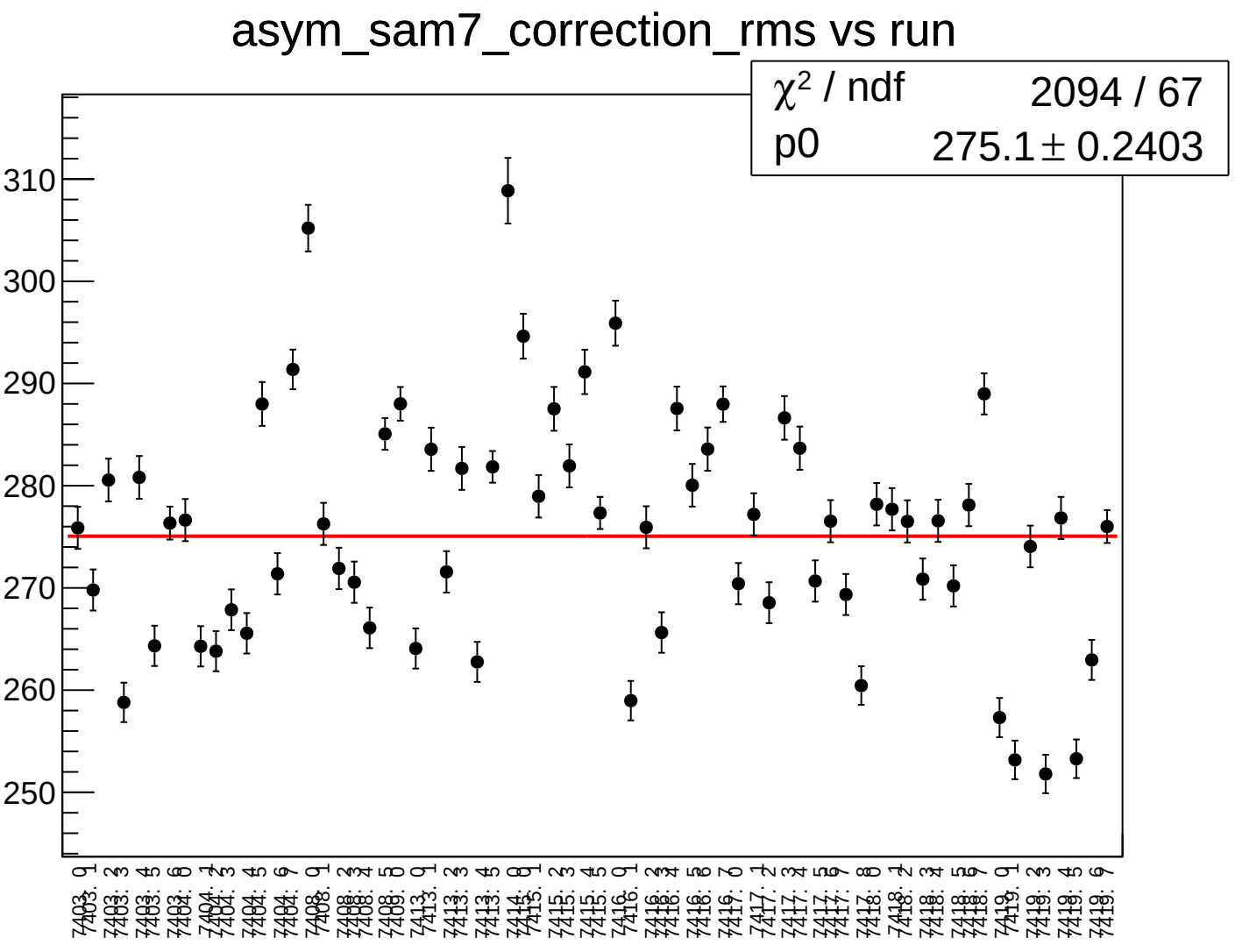

dit_asym_sam7_mean vs run
χ² / ndf 52.45 / 67
p0 43.08 ± 122.4
pull
Entries 68
Mean 181.8
Std Dev 149.3

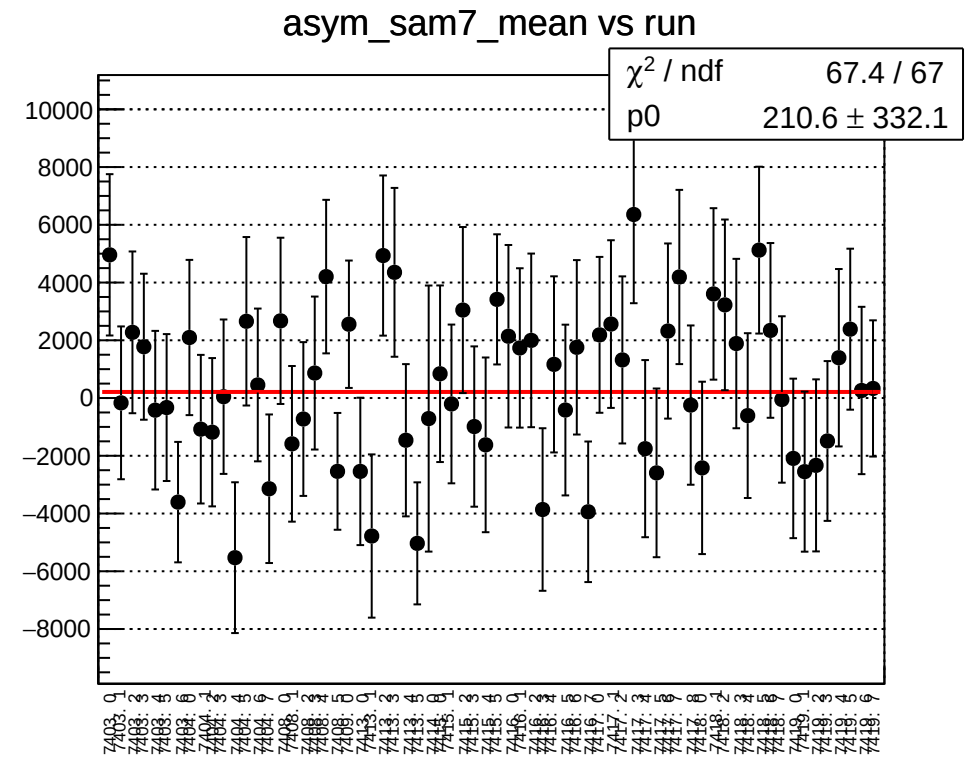

pull1D
Entries 68
Mean −0.02353
Std Dev 0.8779

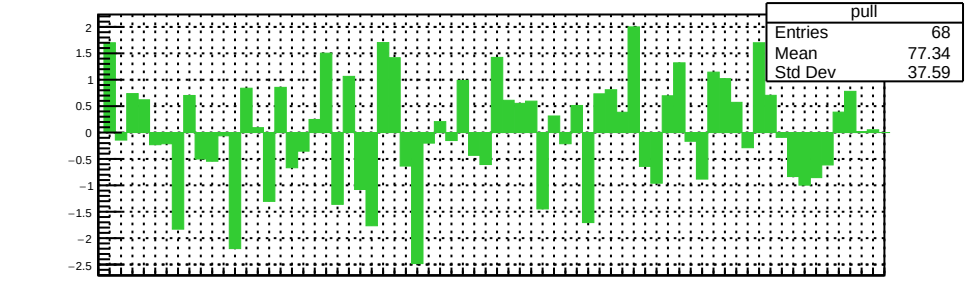

dit_asym_sam7_rms vs run
χ² / ndf 2.104e+04 / 67
p0 98.36 ± 0.08656
120
110
100
90
80
70

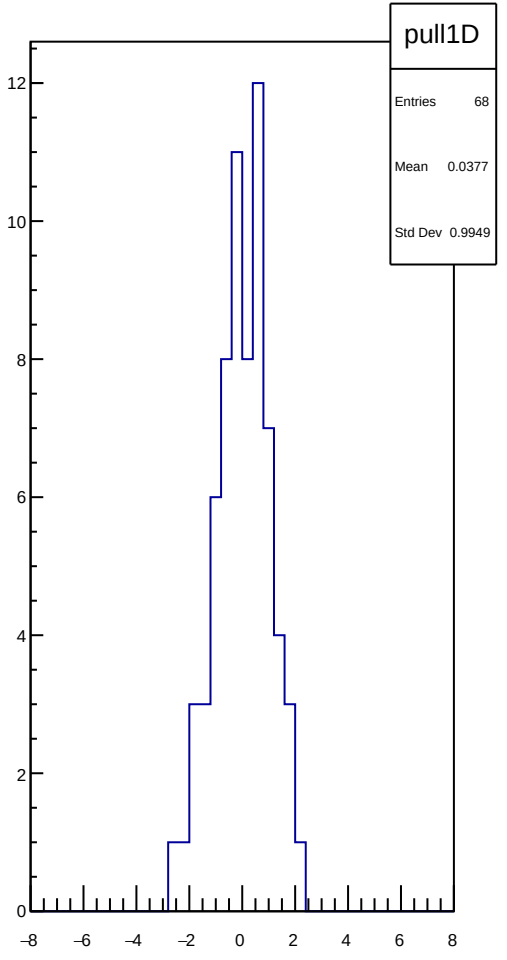

asym_sam7_correction_mean vs run
χ² / ndf 67.83 / 67
p0 −242.5 ± 339.8
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 125.9
Std Dev 90.73
2
1
0
−1
−2

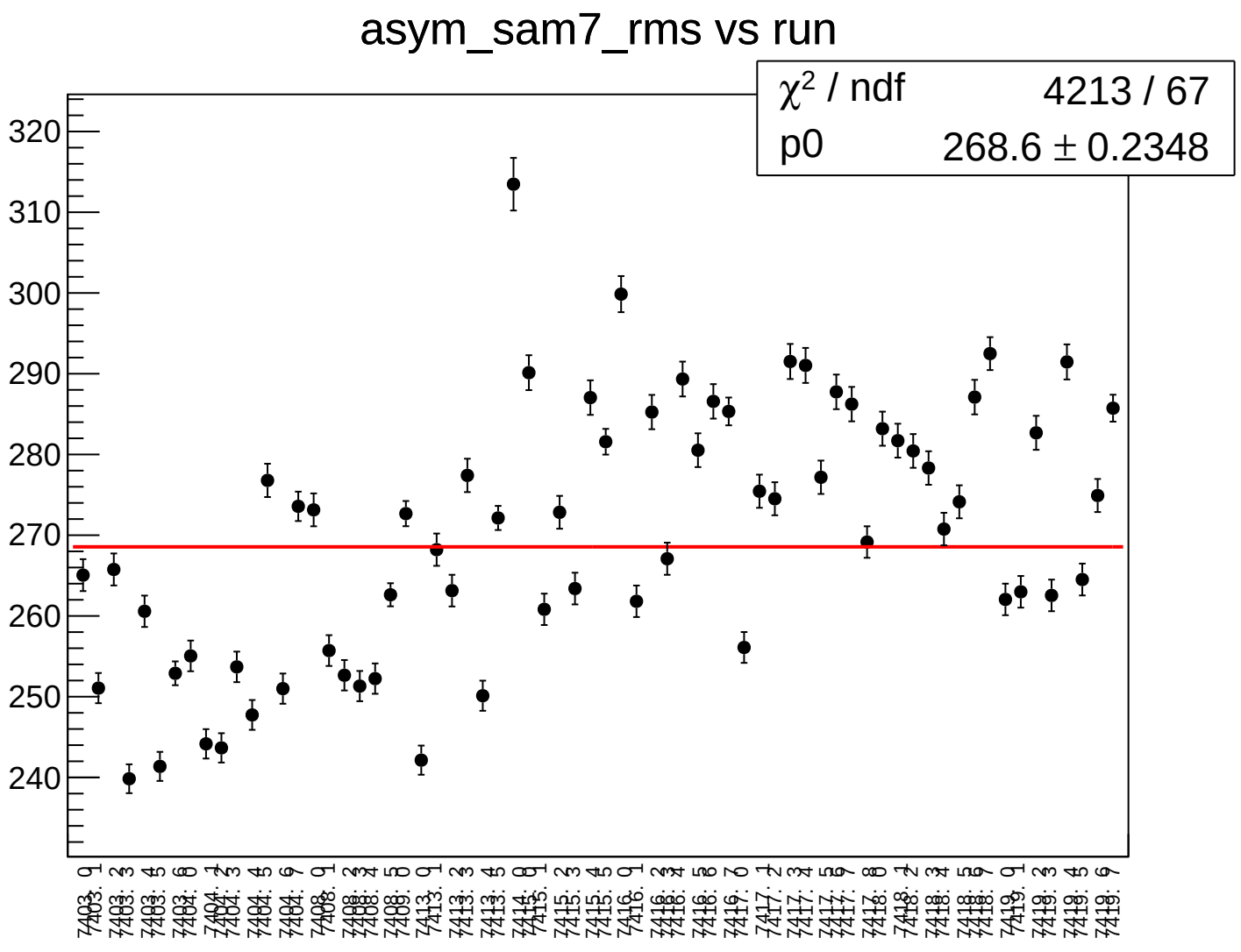

pull1D
Entries 68
Mean −0.03064
Std Dev 0.9982
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

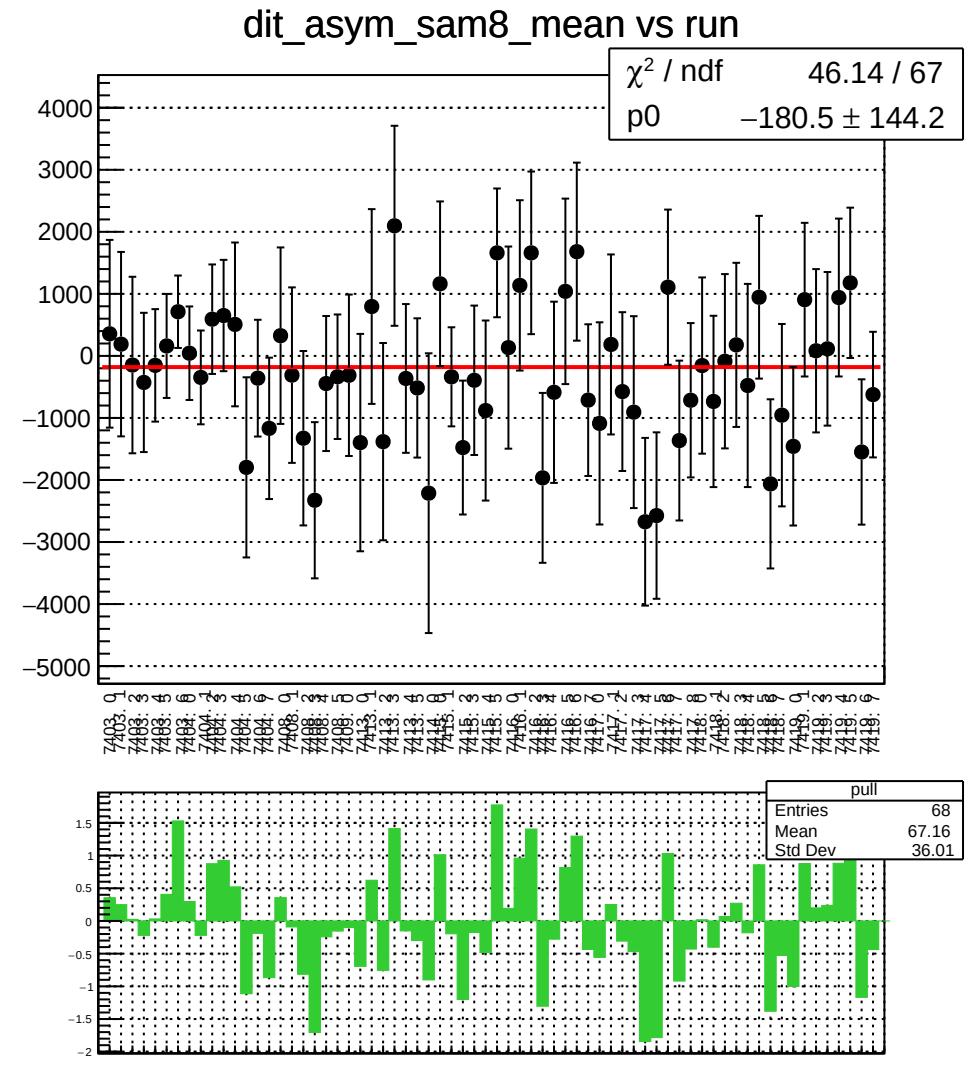

asym_sam7_correction_rms vs run
χ² / ndf 2094 / 67
p0 275.1 ± 0.2403
310
300
290
280
270
260
250

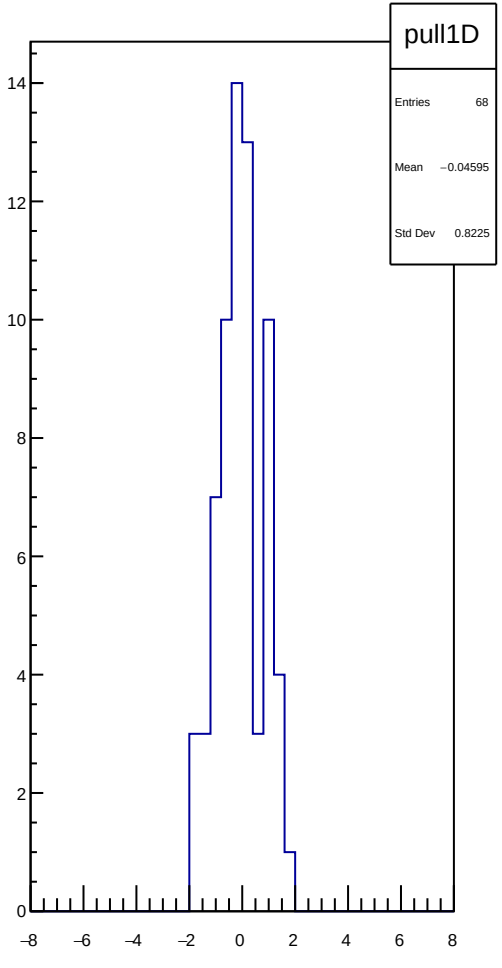

asym_sam7_mean vs run
χ^2 / ndf 67.4 / 67
p0 210.6 ± 332.1
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000

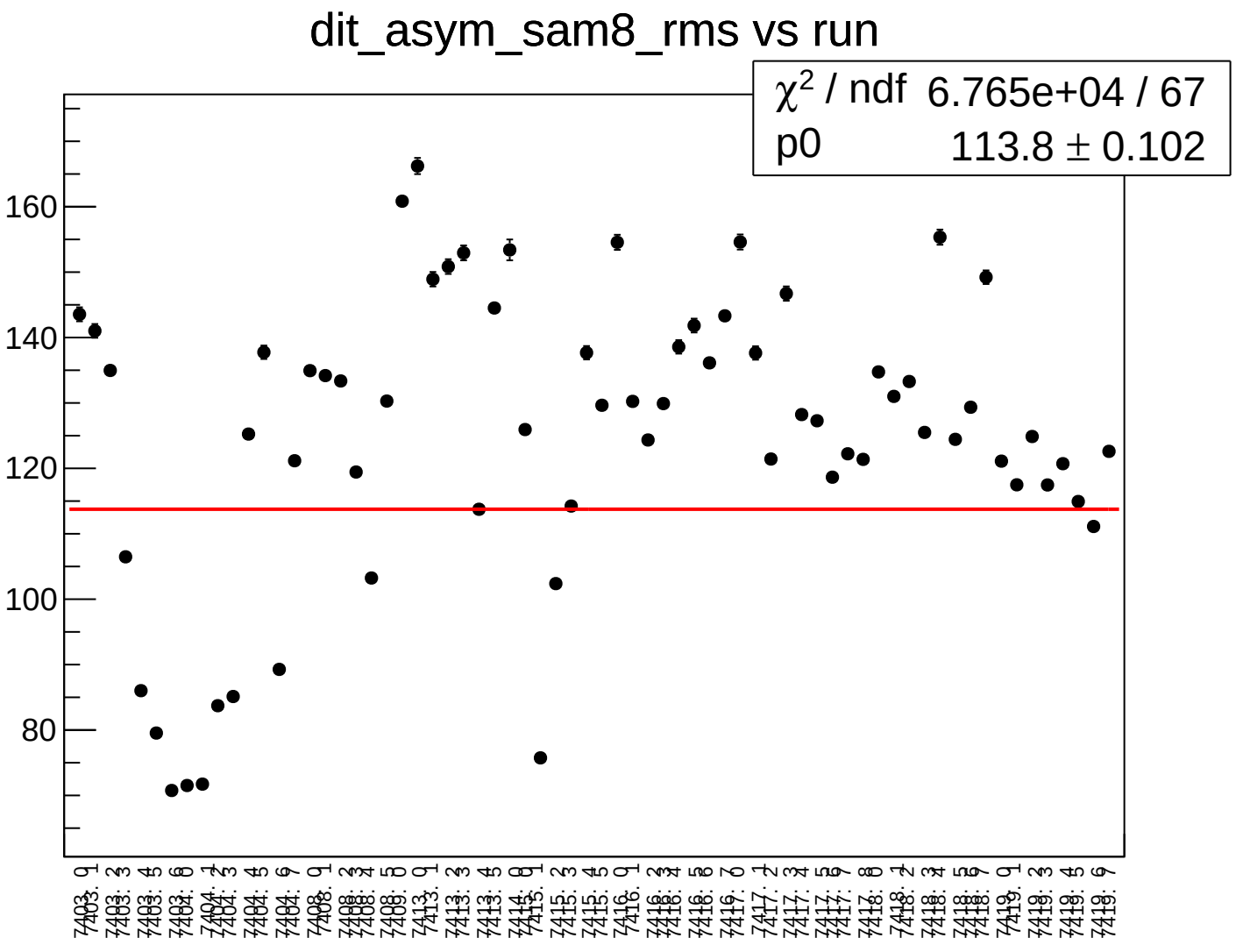

pull
Entries 68
Mean 77.34
Std Dev 37.59
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

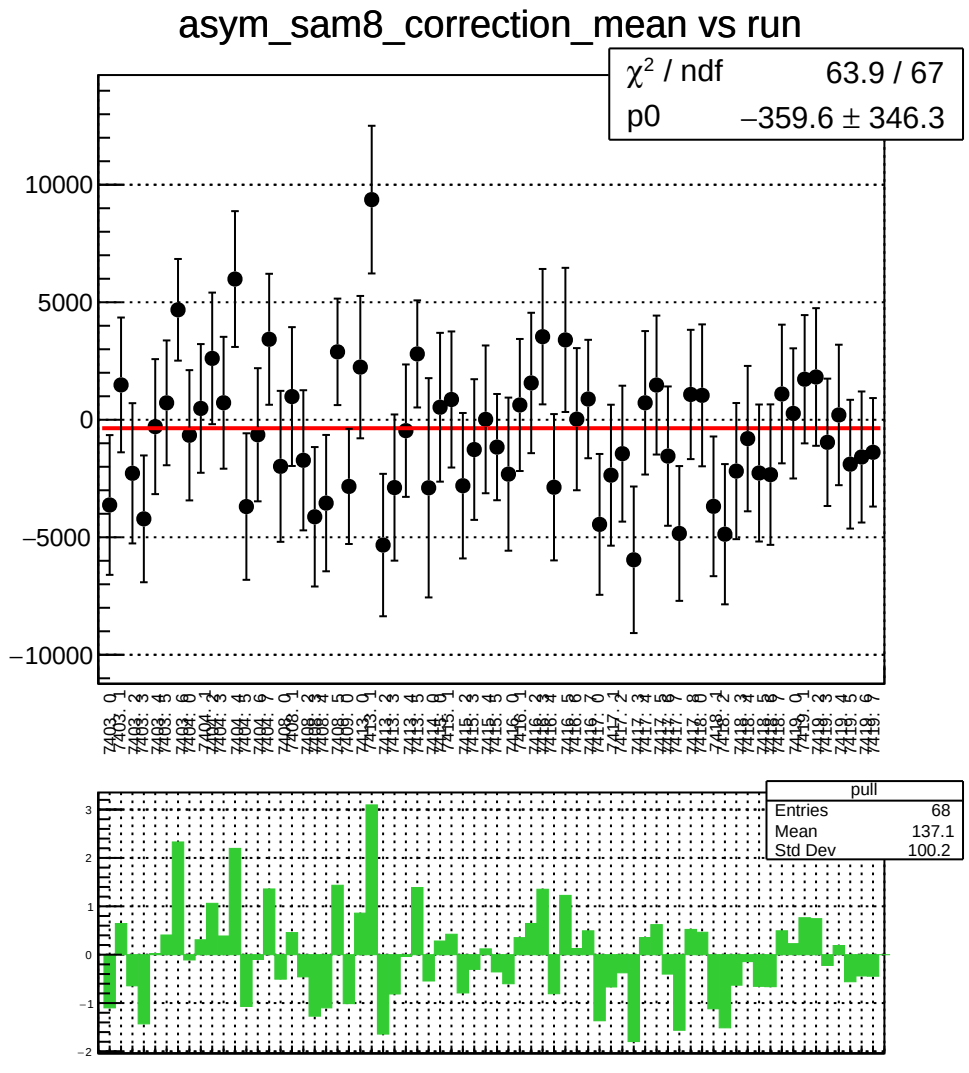

pull1D
Entries 68
Mean 0.0377
Std Dev 0.9949
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

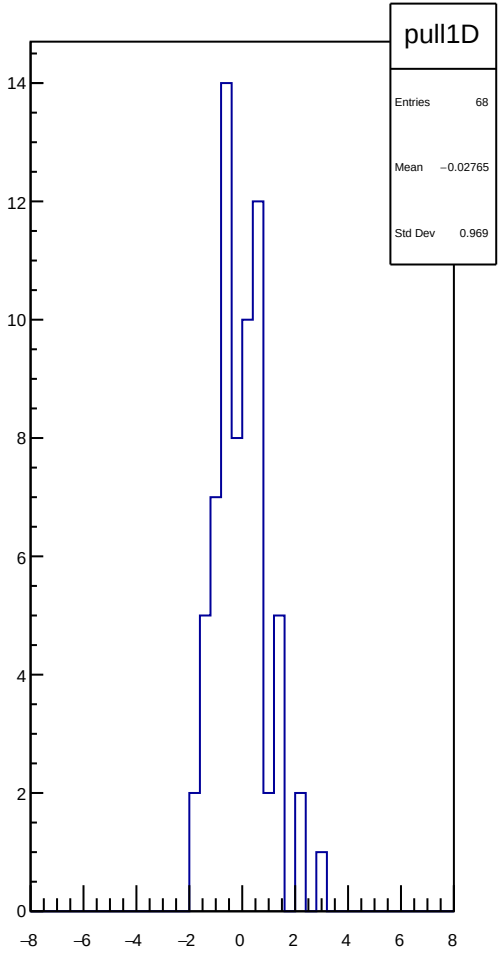

asym_sam7_rms vs run
χ² / ndf 4213 / 67
p0 268.6 ± 0.2348
320
310
300
290
280
270
260
250
240

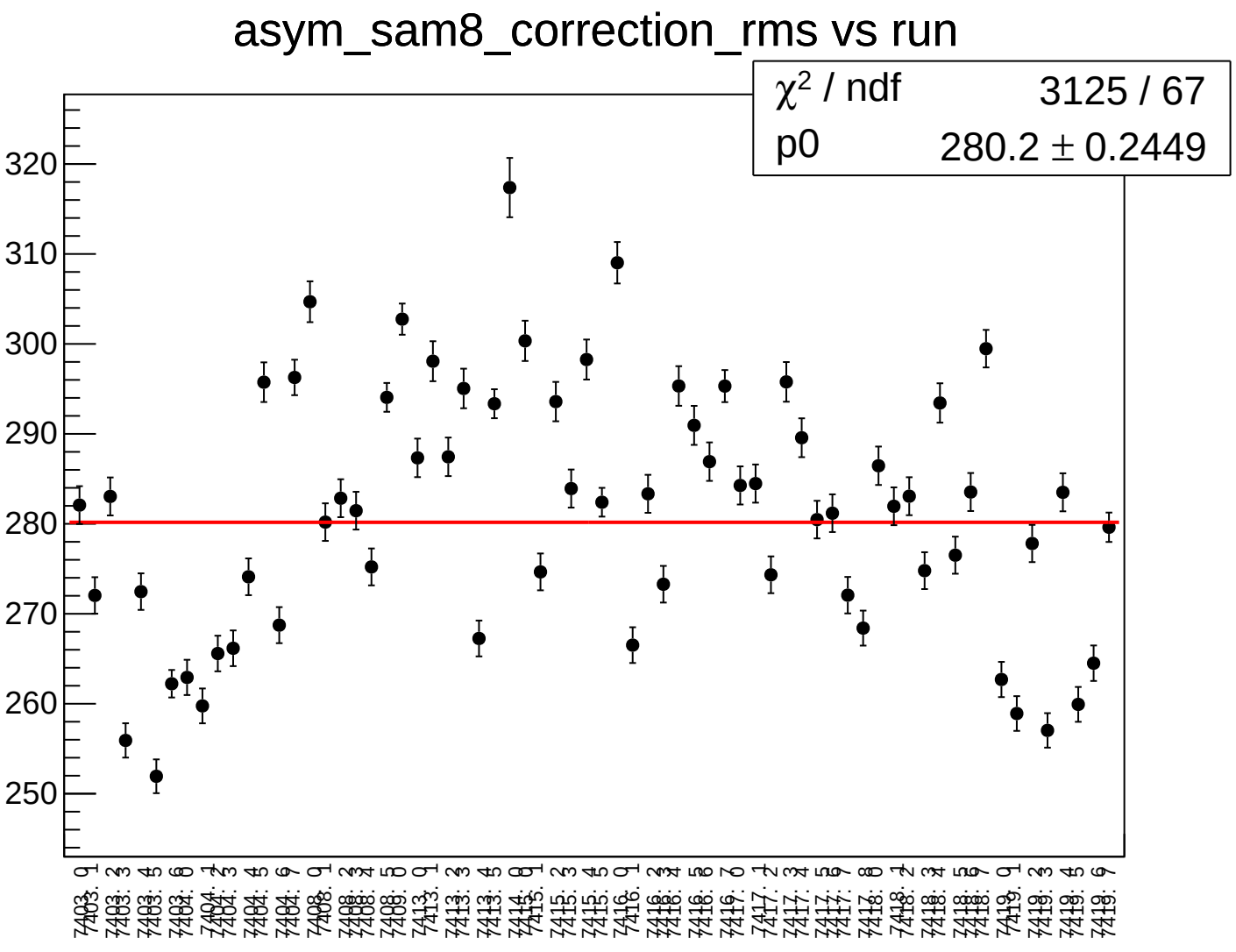

dit_asym_sam8_mean vs run
χ² / ndf 46.14 / 67
p0 −180.5 ± 144.2
pull
Entries 68
Mean 67.16
Std Dev 36.01

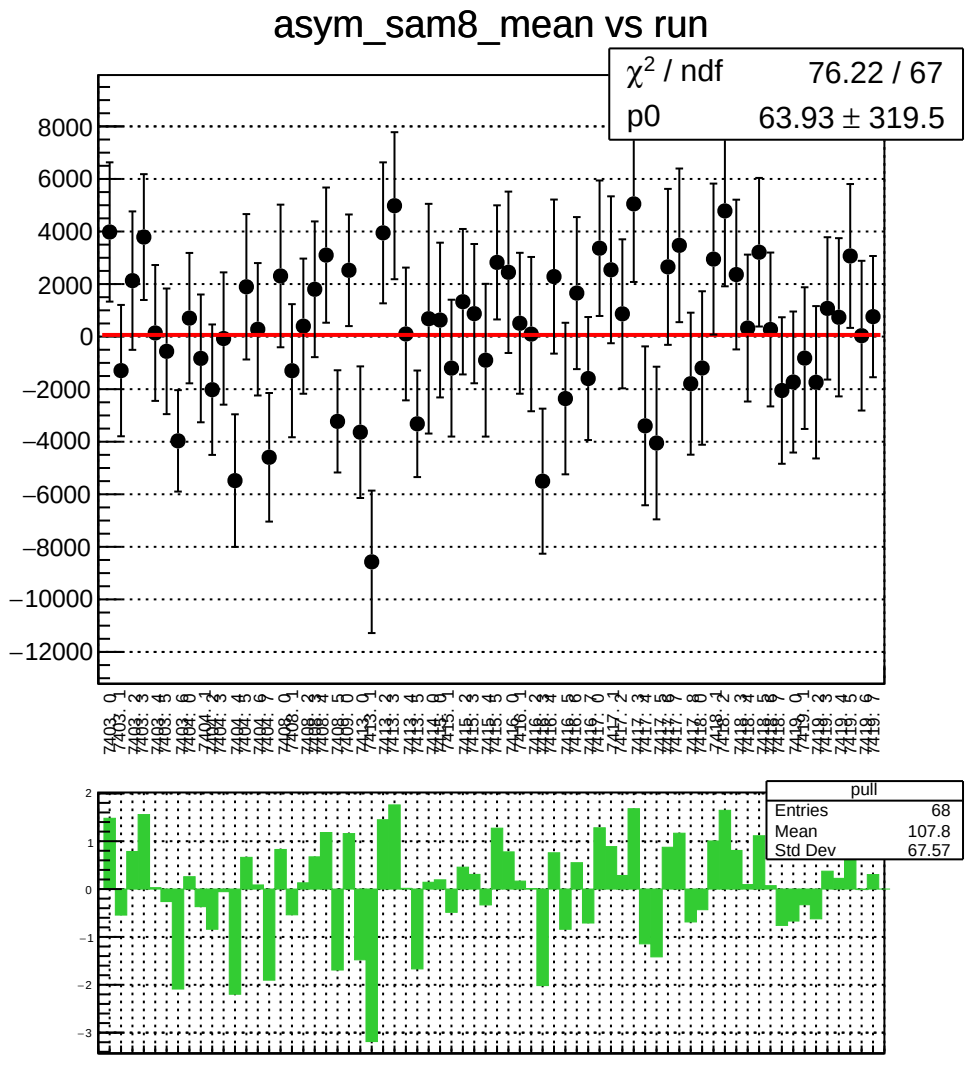

pull1D
Entries 68
Mean −0.04595
Std Dev 0.8225

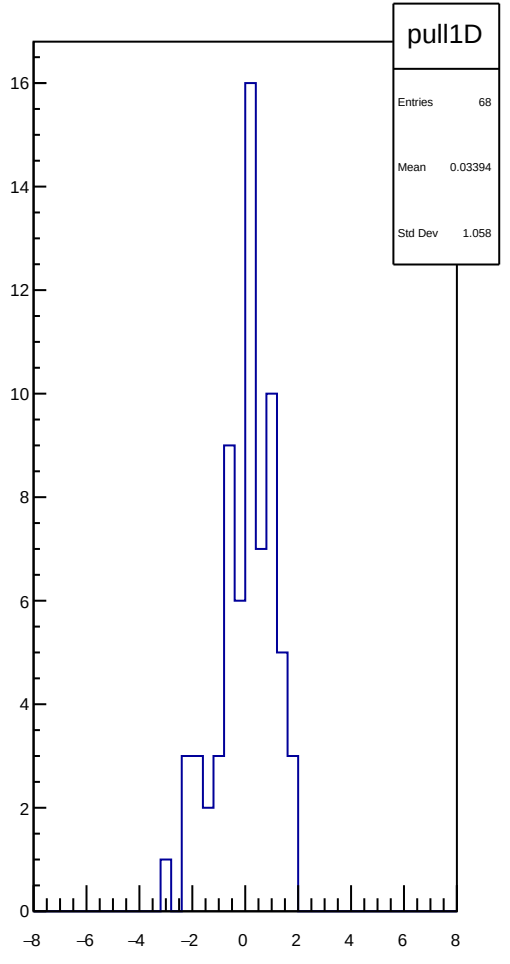

dit_asym_sam8_rms vs run
χ² / ndf 6.765e+04 / 67
p0 113.8 ± 0.102
160
140
120
100
80

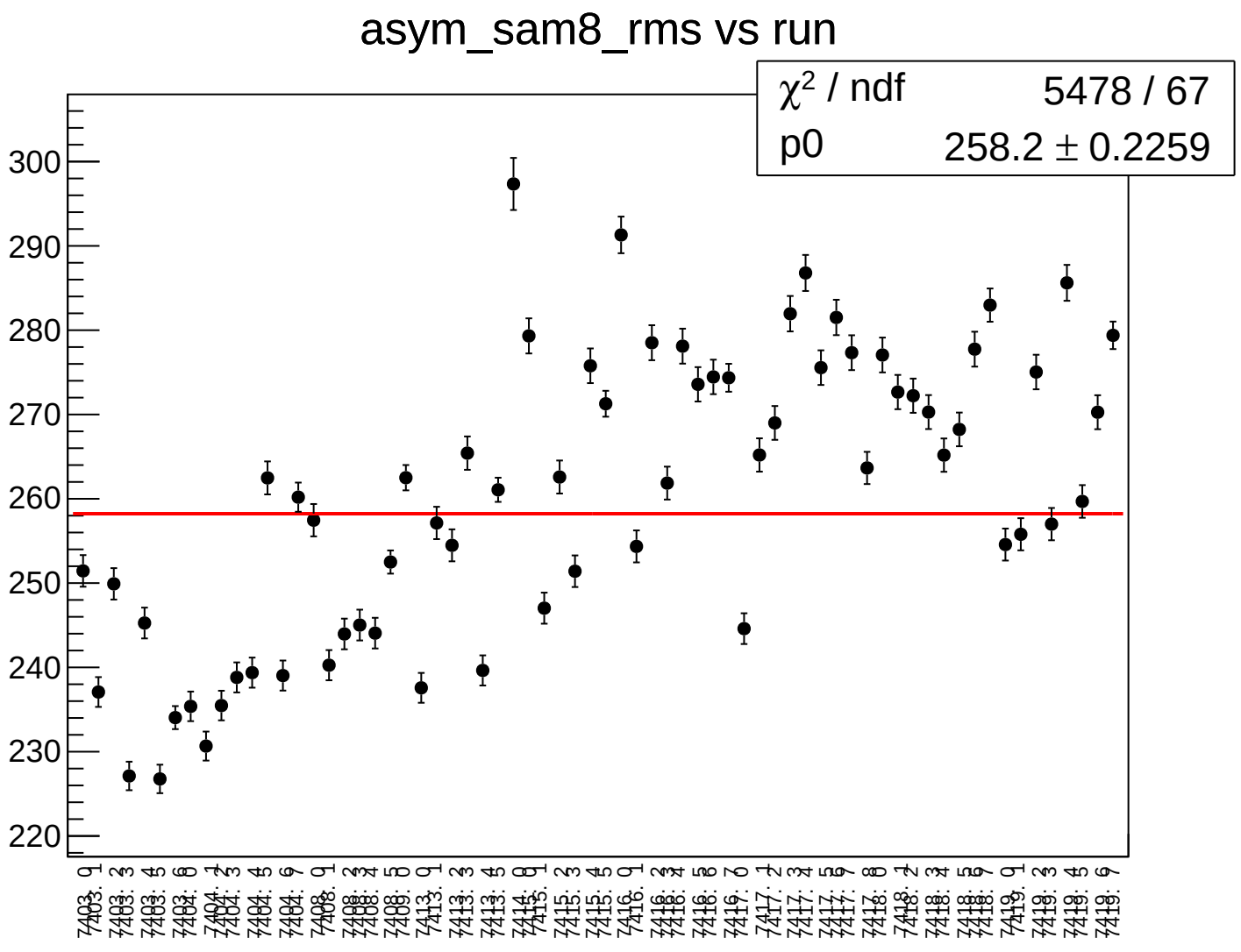

asym_sam8_correction_mean vs run
χ² / ndf 63.9 / 67
p0 −359.6 ± 346.3
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 137.1
Std Dev 100.2
3
2
1
0
−1
−2

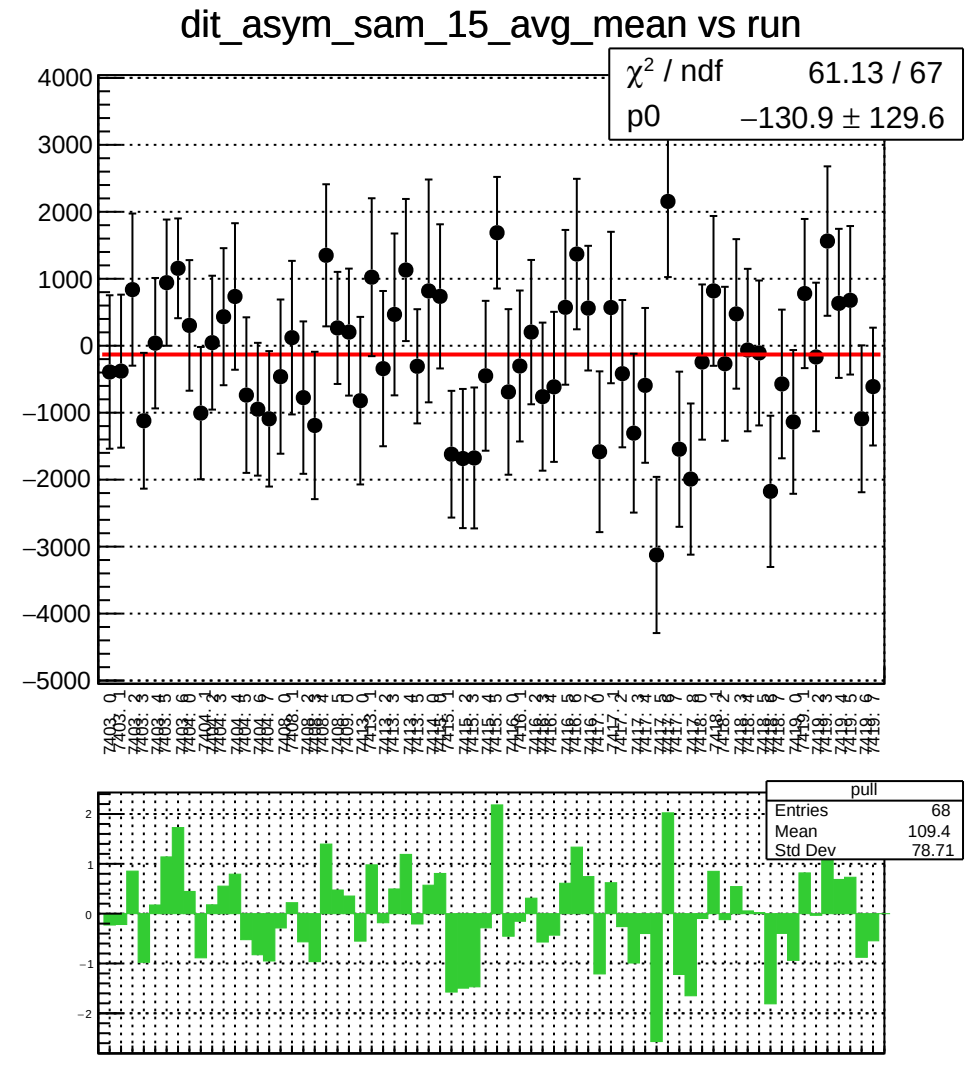

pull1D
Entries 68
Mean −0.02765
Std Dev 0.969
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

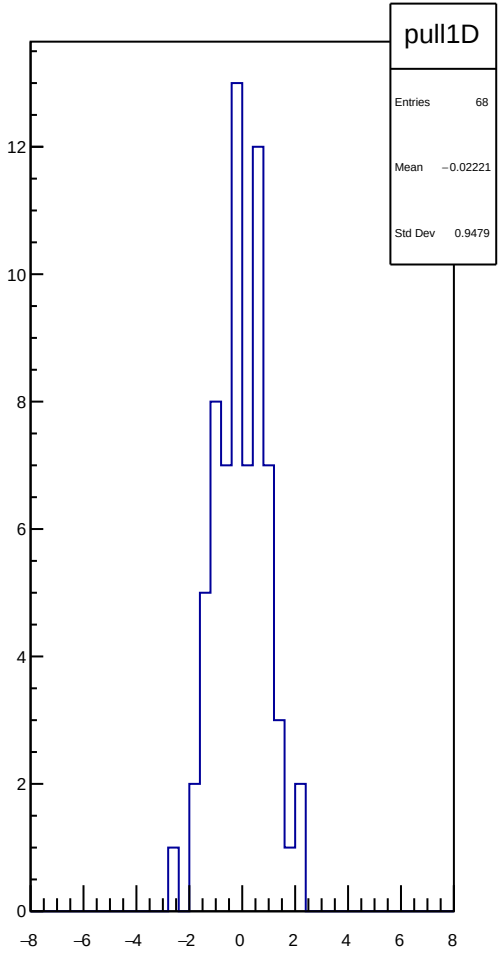

asym_sam8_correction_rms vs run
χ² / ndf 3125 / 67
p0 280.2 ± 0.2449
320
310
300
290
280
270
260
250

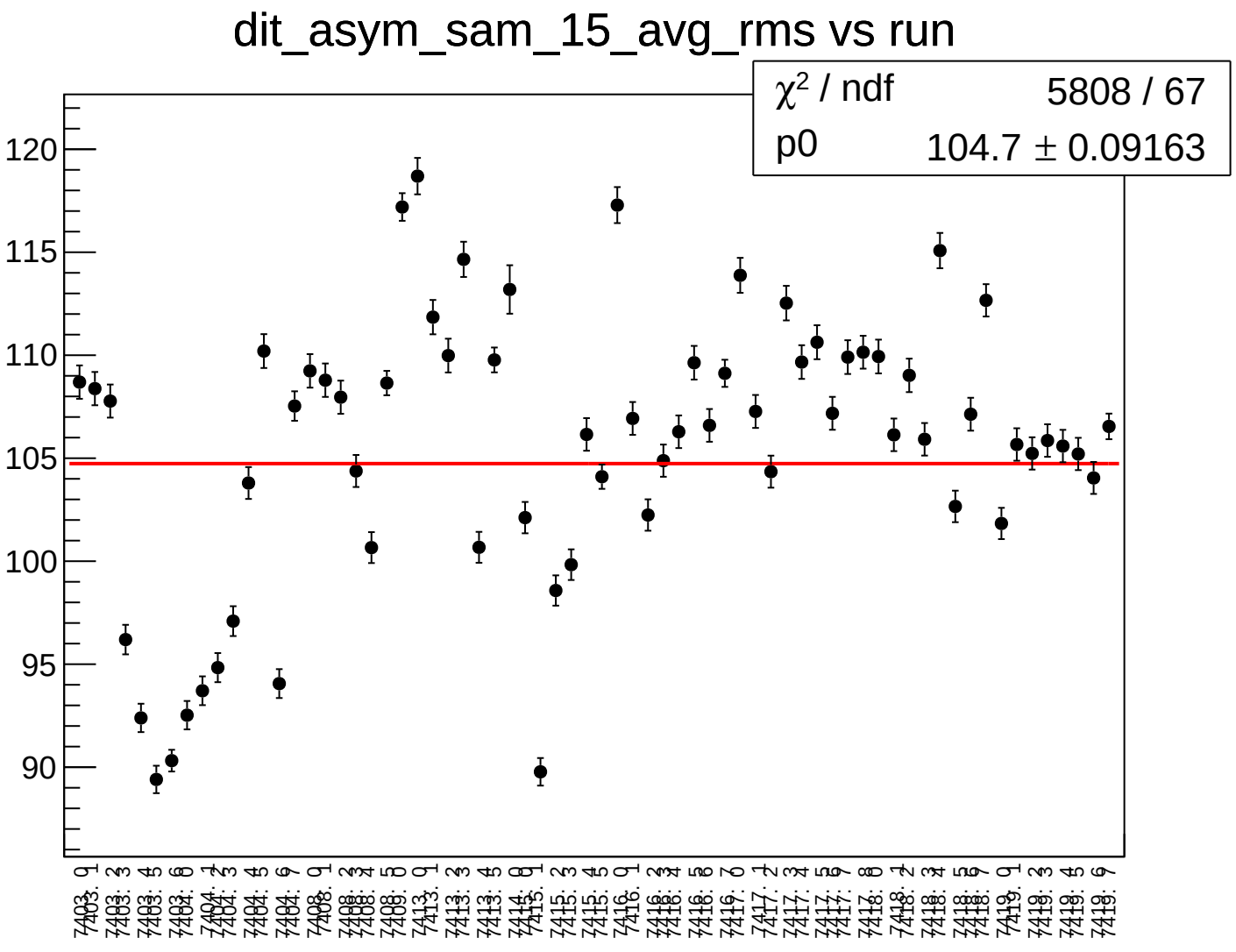

asym_sam8_mean vs run
χ² / ndf 76.22 / 67
p0 63.93 ± 319.5
pull
Entries 68
Mean 107.8
Std Dev 67.57

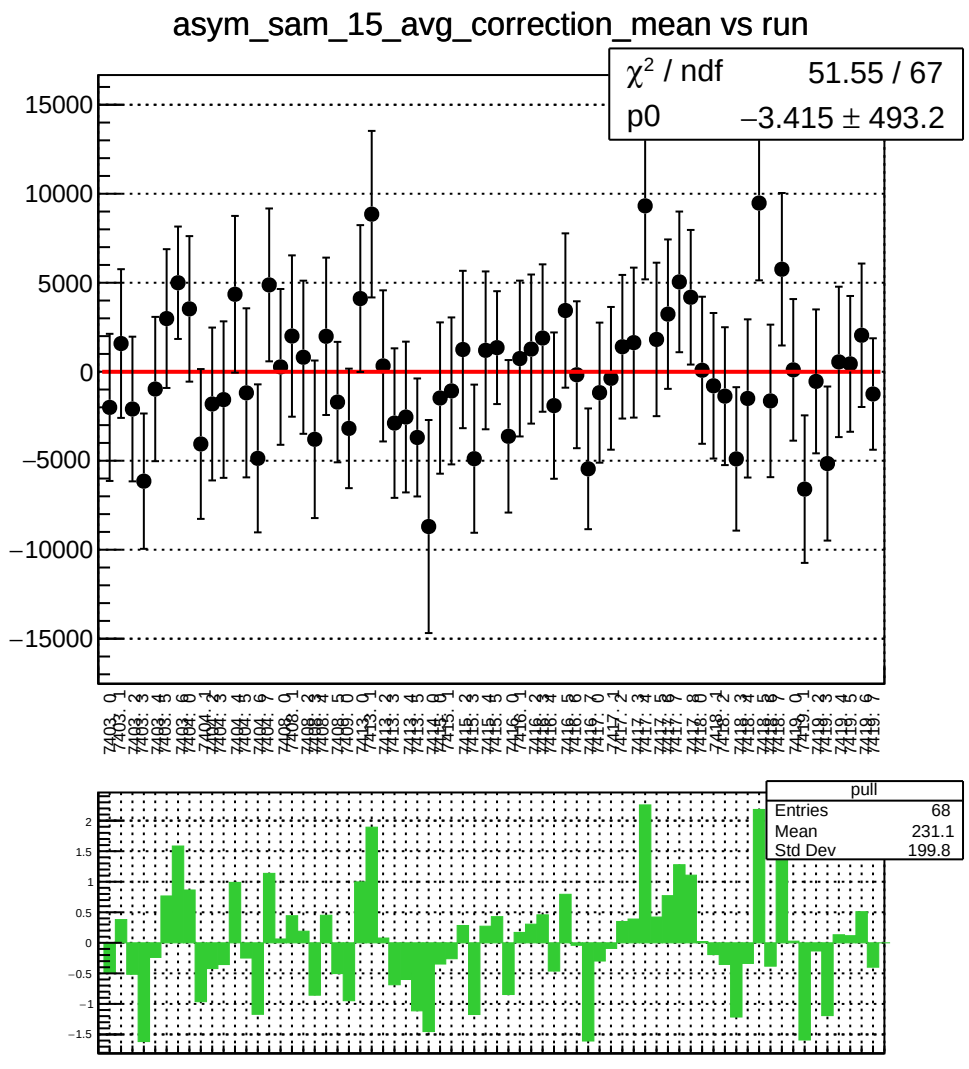

pull1D
Entries 68
Mean 0.03394
Std Dev 1.058

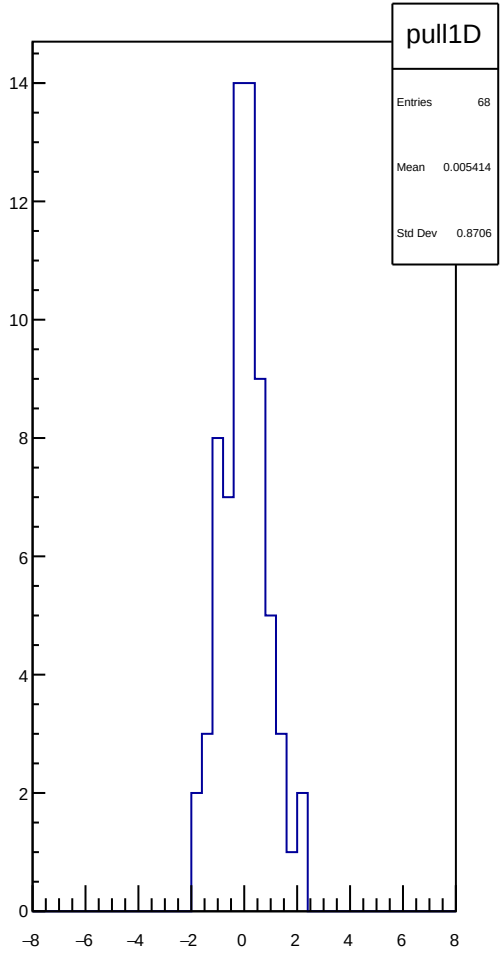

asym_sam8_rms vs run
χ² / ndf 5478 / 67
p0 258.2 ± 0.2259
300
290
280
270
260
250
240
230
220

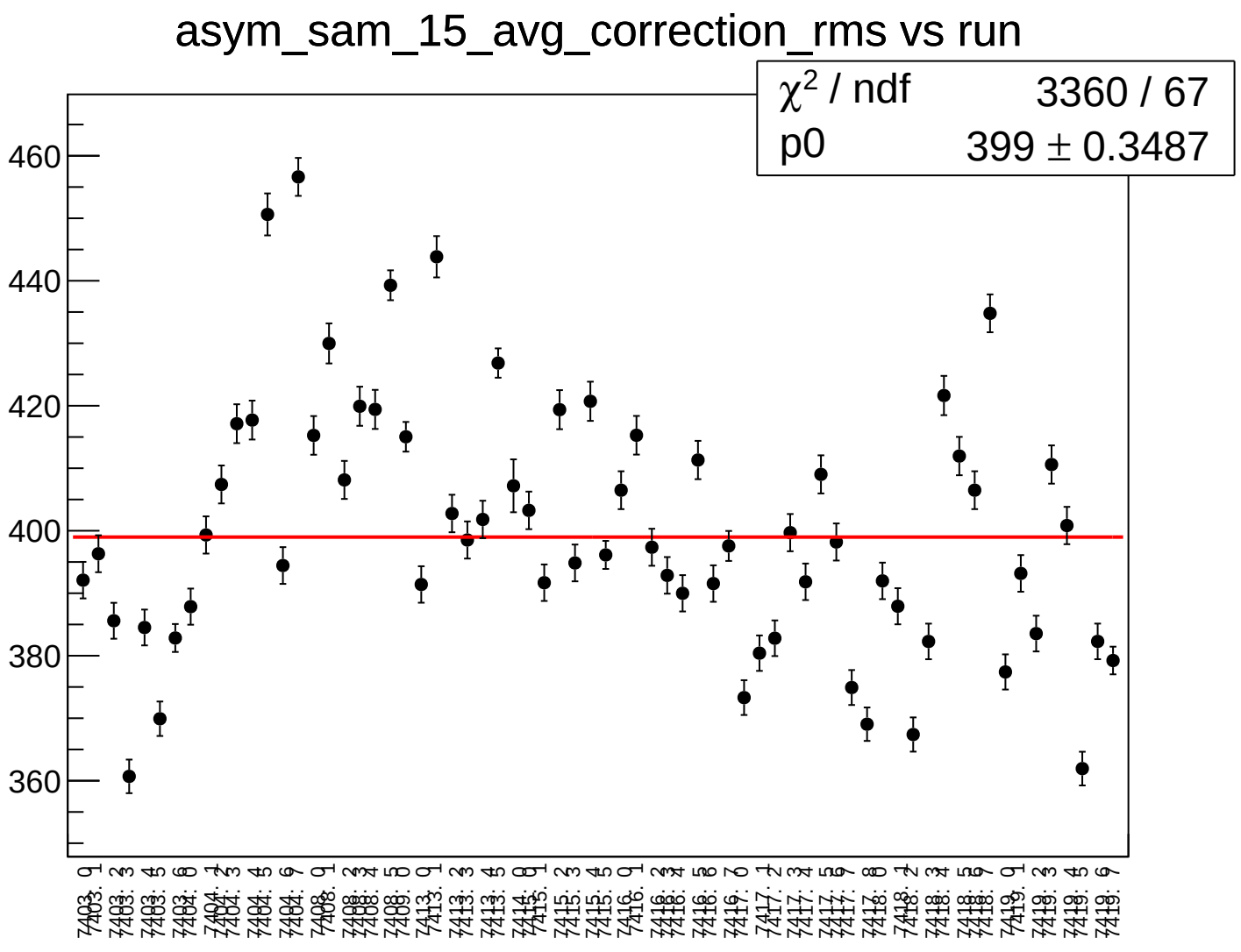

dit_asym_sam_15_avg_mean vs run
χ² / ndf 61.13 / 67
p0 −130.9 ± 129.6
pull
Entries 68
Mean 109.4
Std Dev 78.71

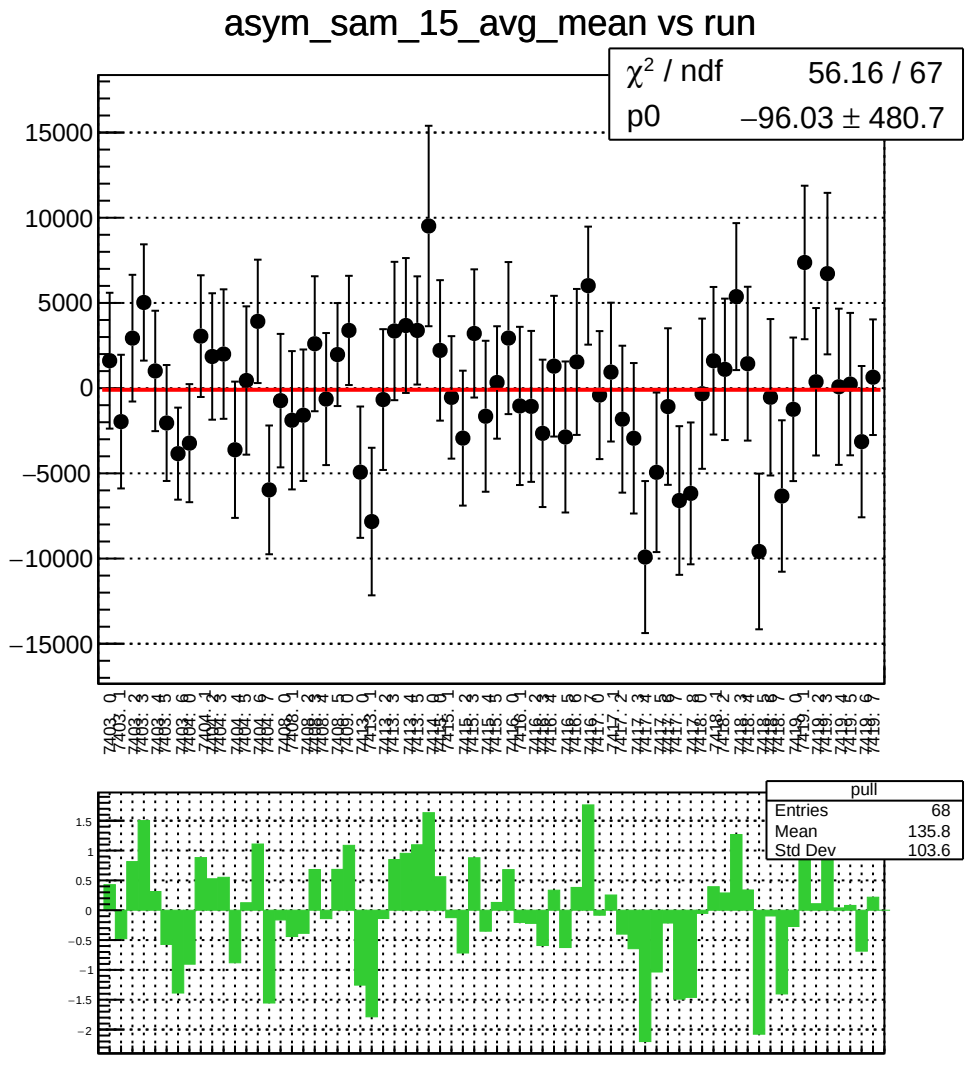

pull1D
Entries 68
Mean −0.02221
Std Dev 0.9479

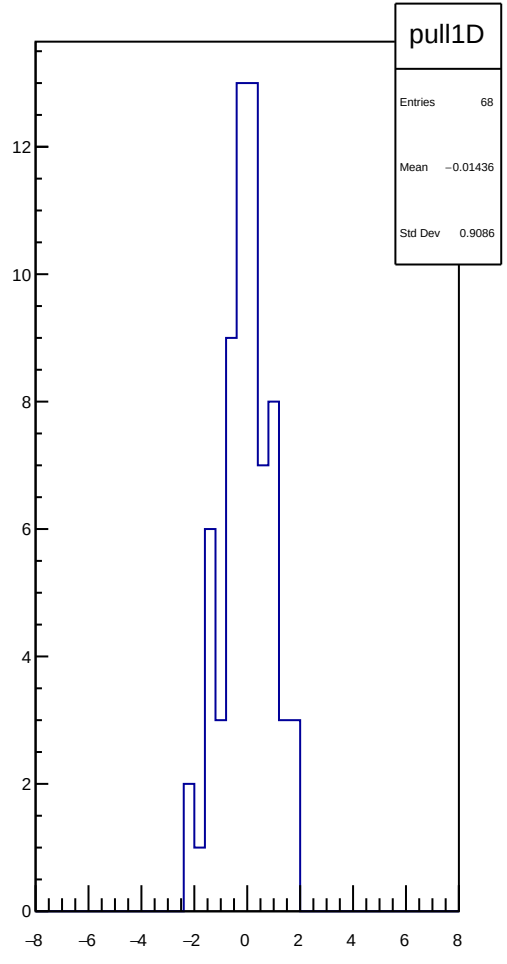

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 5808 / 67
p0 104.7 ± 0.09163
120
115
110
105
100
95
90

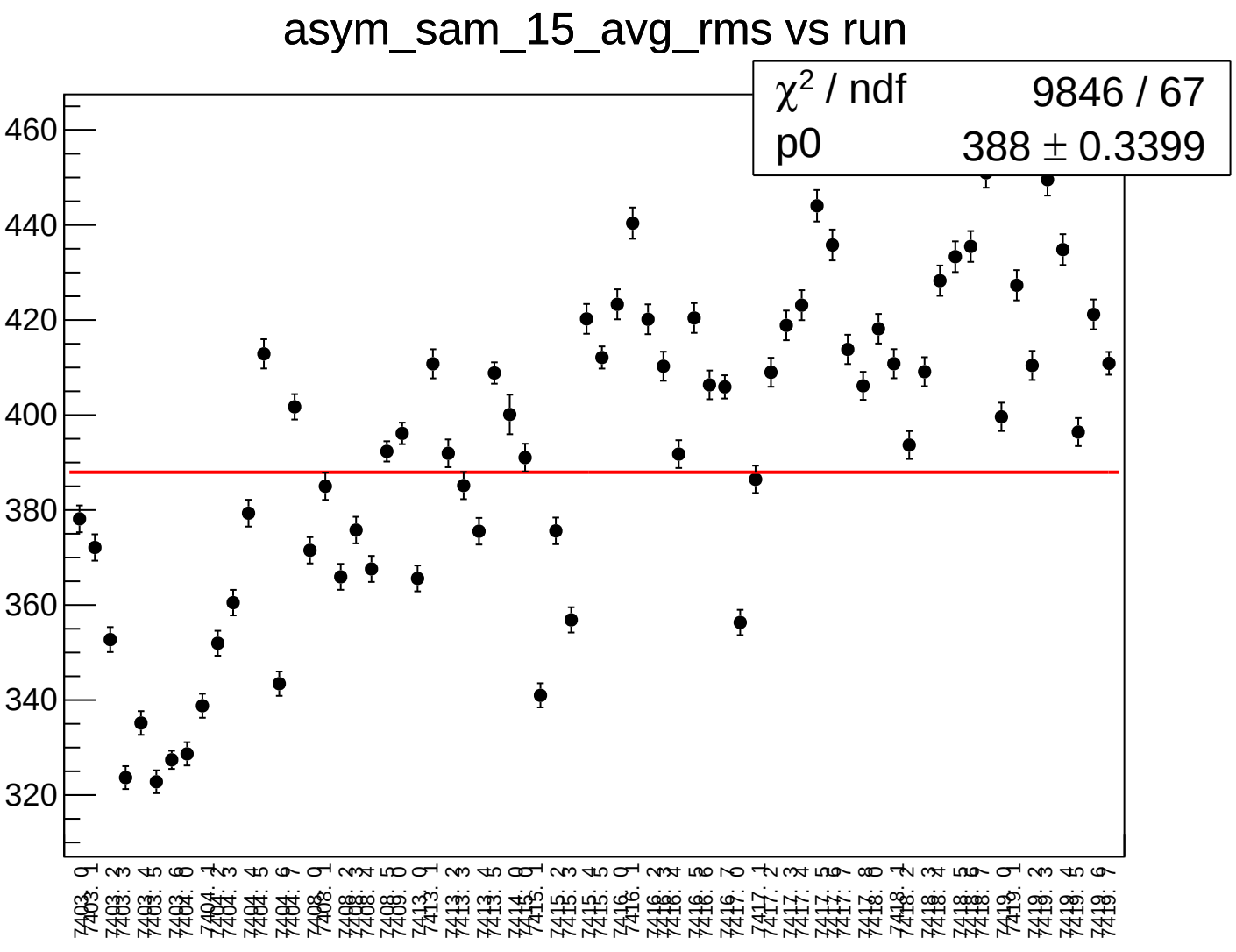

asym_sam_15_avg_correction_mean vs run
χ² / ndf 51.55 / 67
p0 −3.415 ± 493.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 231.1
Std Dev 199.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

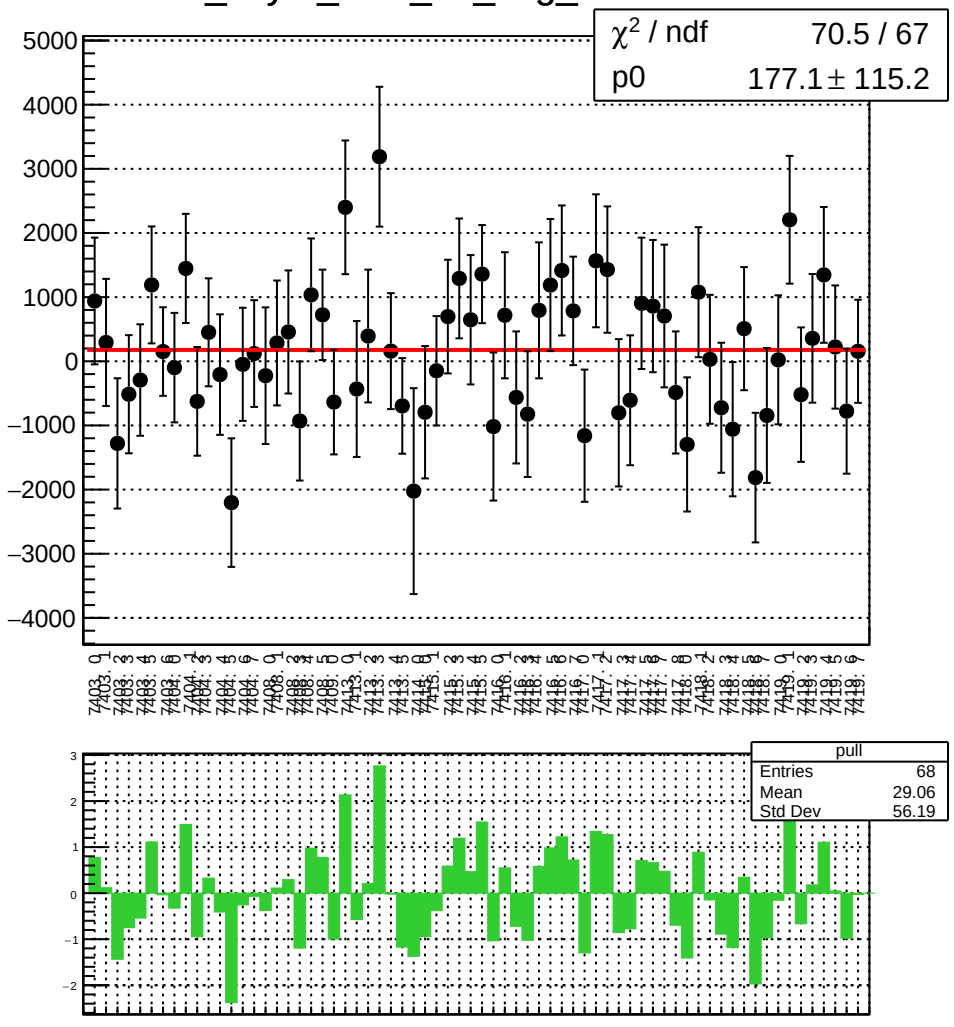

pull1D
Entries 68
Mean 0.005414
Std Dev 0.8706
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

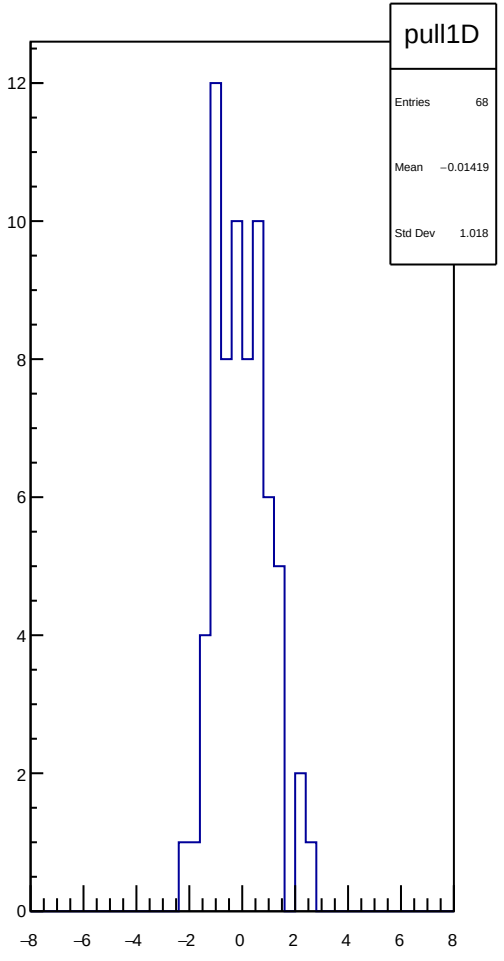

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3360 / 67
p0 399 ± 0.3487
460
440
420
400
380
360

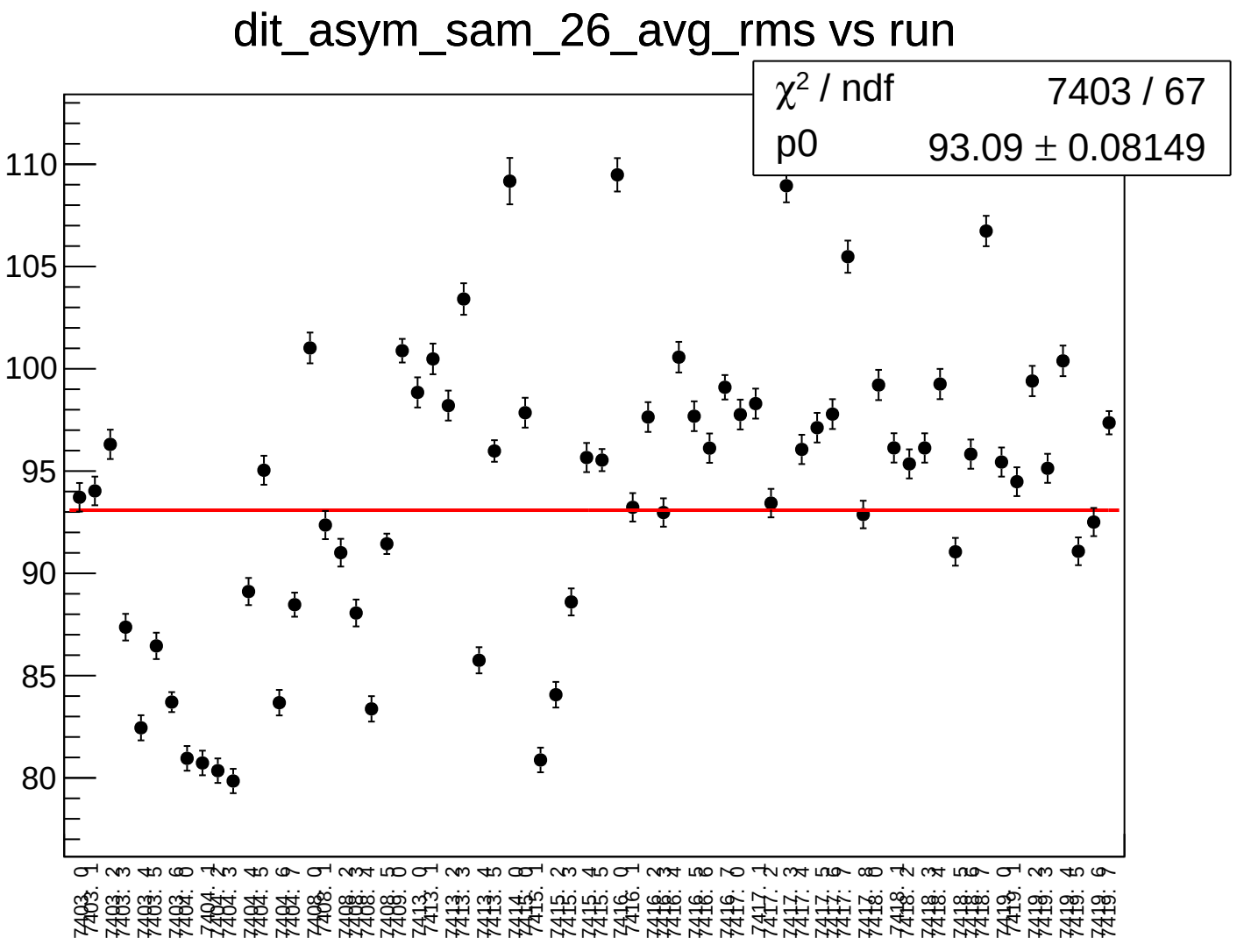

asym_sam_15_avg_mean vs run
χ² / ndf 56.16 / 67
p0 −96.03 ± 480.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 135.8
Std Dev 103.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

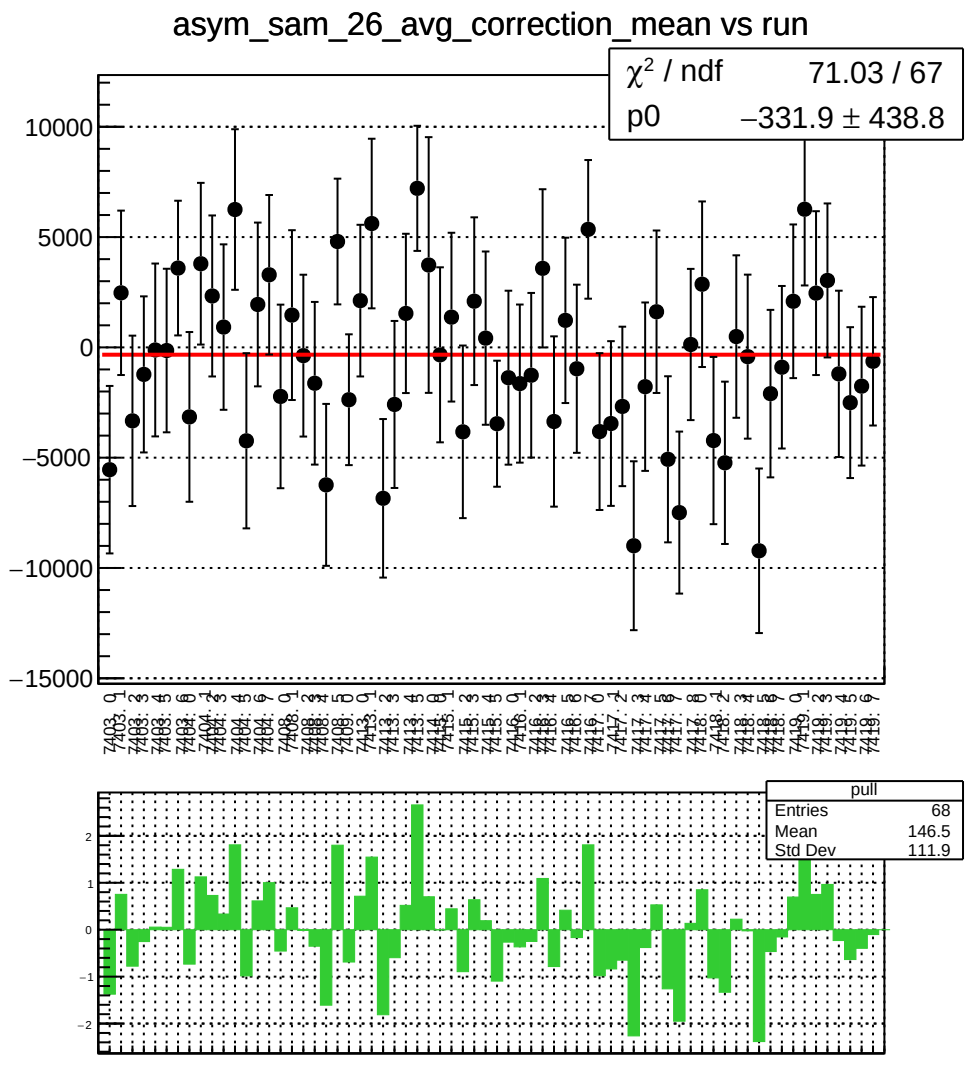

pull1D
Entries 68
Mean −0.01436
Std Dev 0.9086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

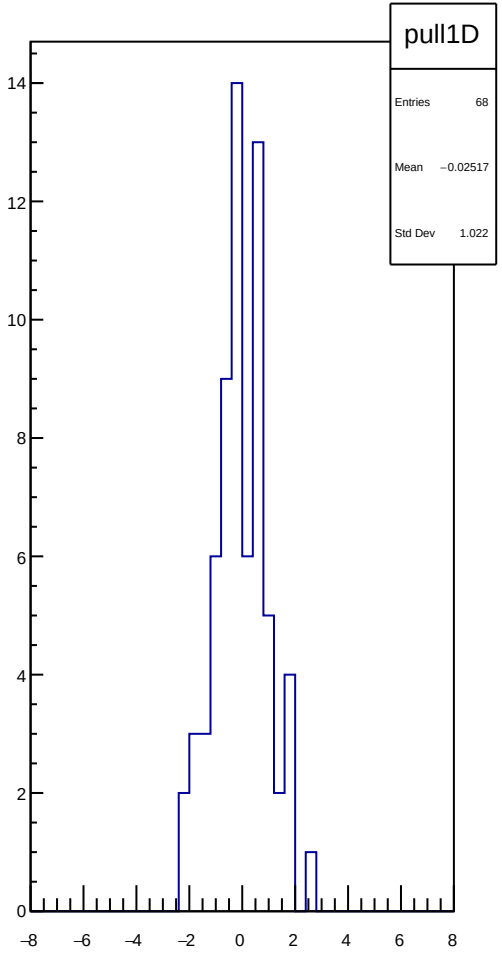

asym_sam_15_avg_rms vs run
χ^2 / ndf 9846 / 67
p0 388 ± 0.3399
460
440
420
400
380
360
340
320

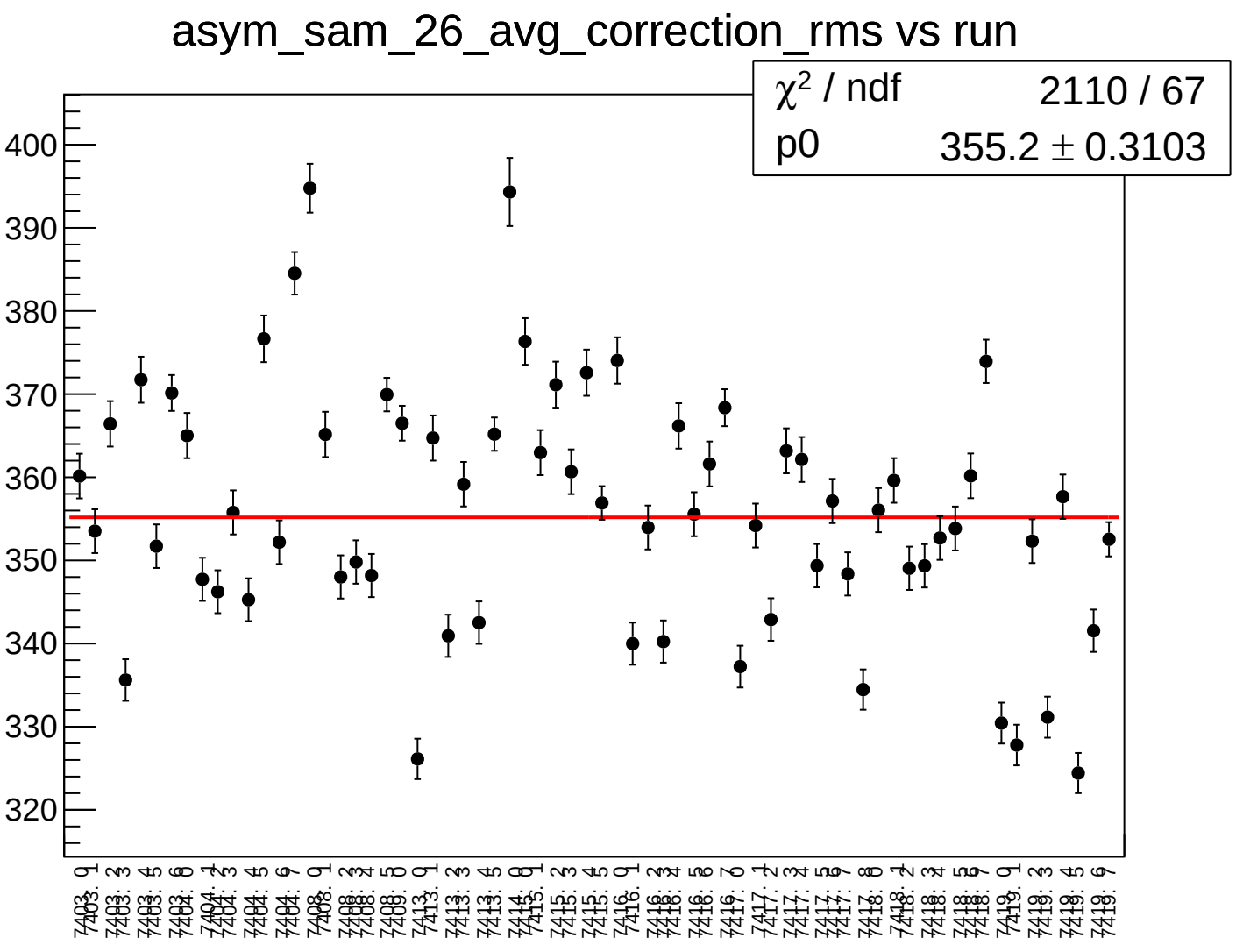

dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 70.5 / 67
p0 177.1 ± 115.2
pull
Entries 68
Mean 29.06
Std Dev 56.19

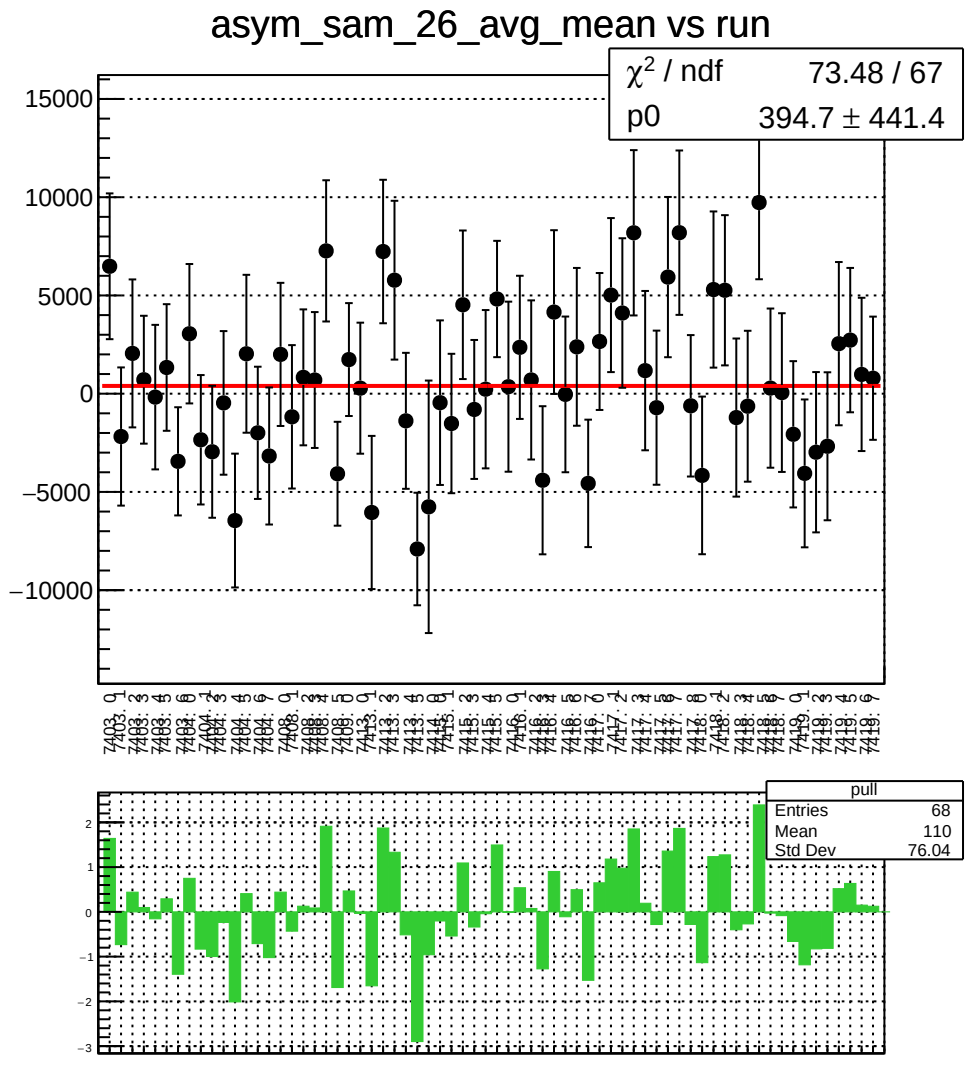

pull1D
Entries 68
Mean −0.01419
Std Dev 1.018

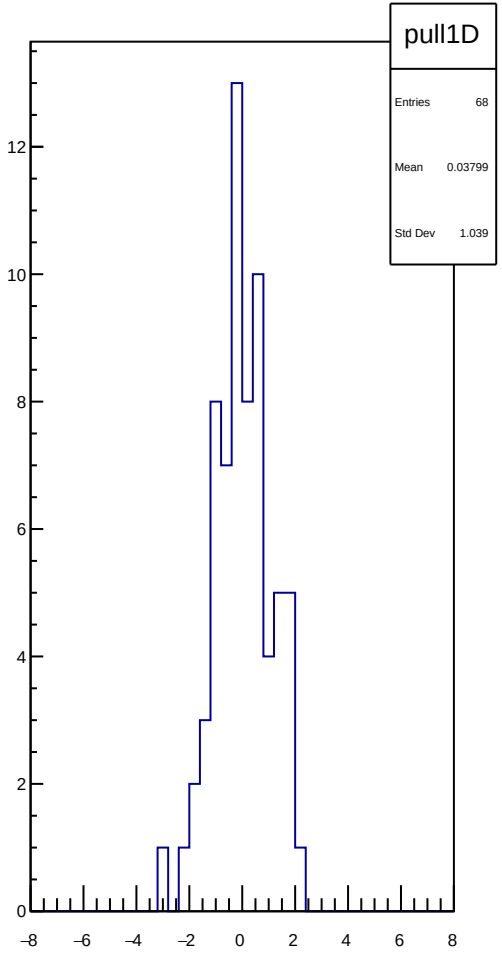

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 7403 / 67
p0 93.09 ± 0.08149
110
105
100
95
90
85
80

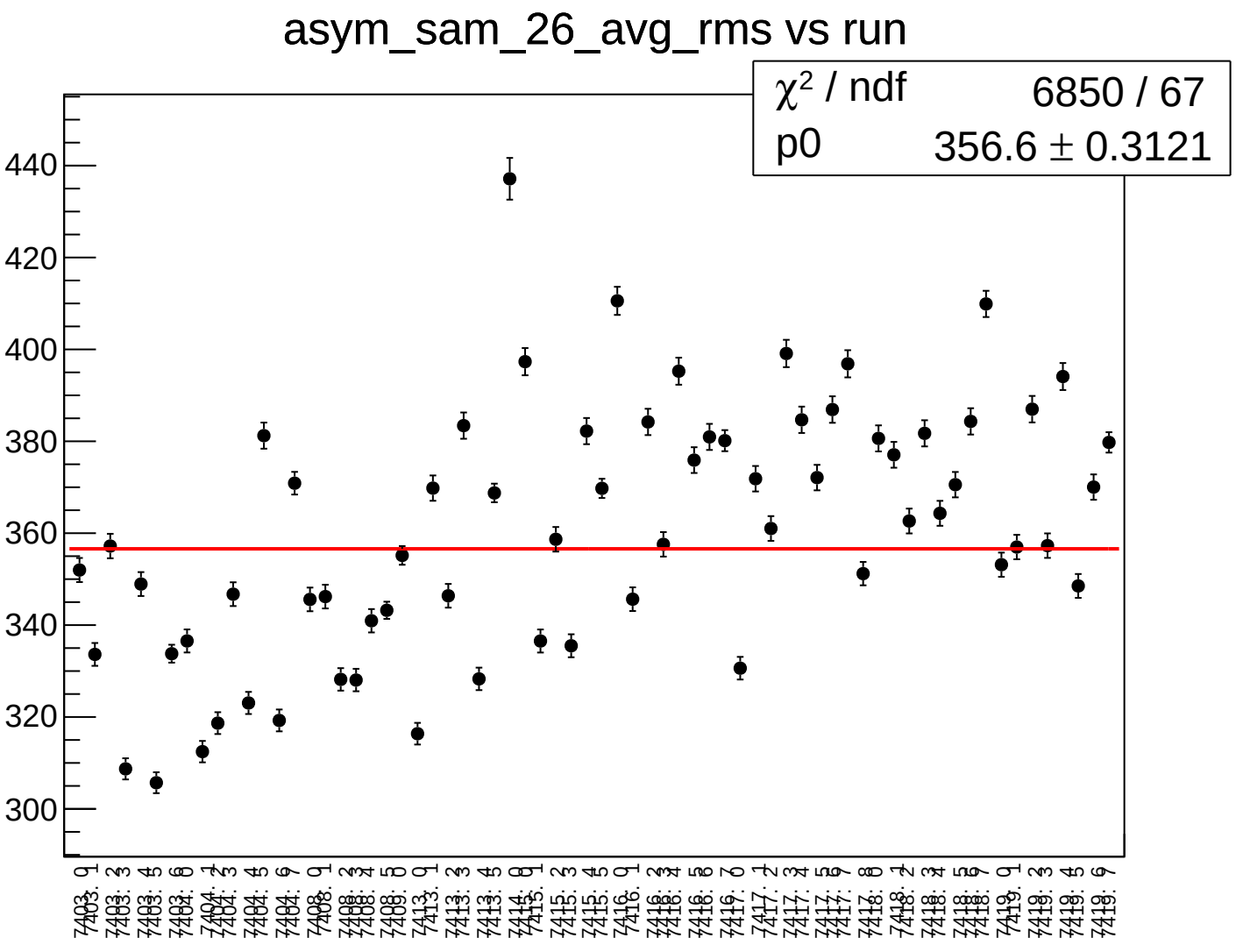

asym_sam_26_avg_correction_mean vs run
χ² / ndf 71.03 / 67
p0 −331.9 ± 438.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 146.5
Std Dev 111.9
2
1
0
−1
−2

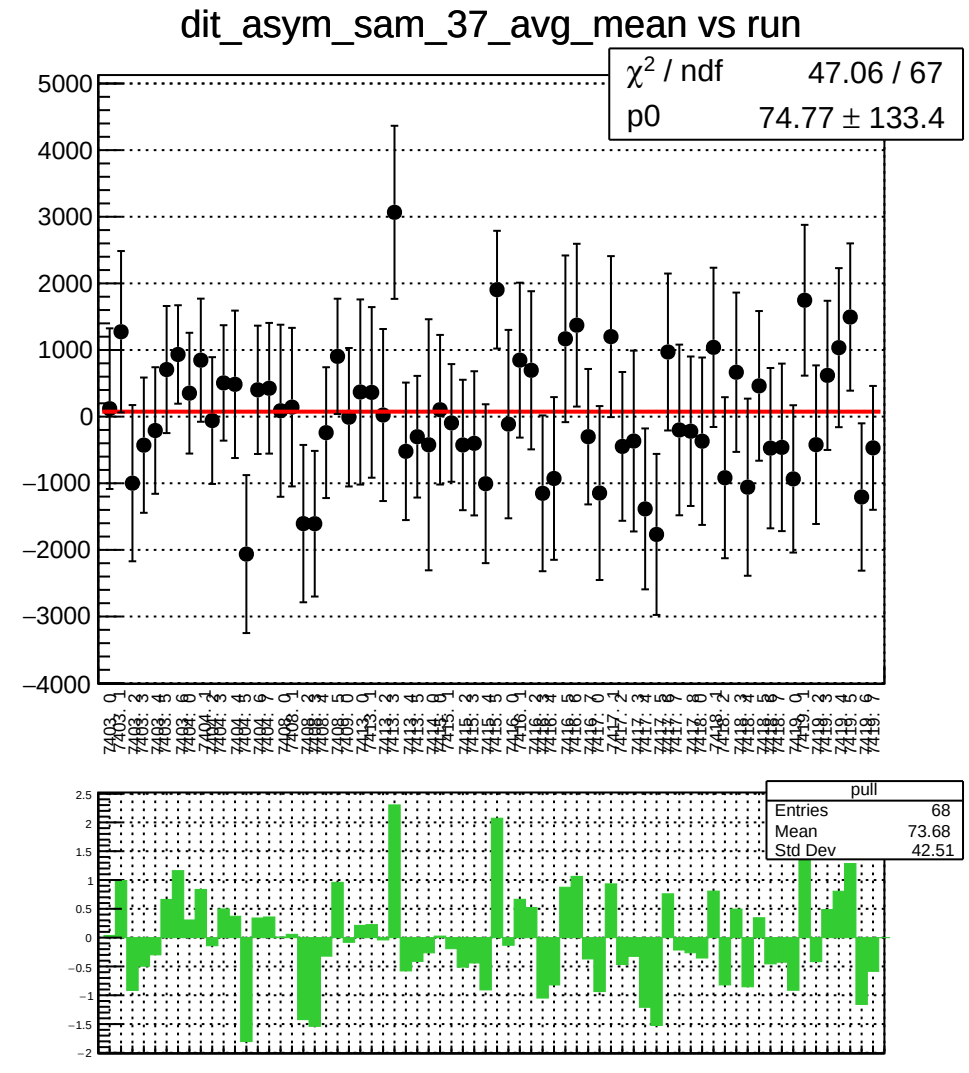

pull1D
Entries 68
Mean −0.02517
Std Dev 1.022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

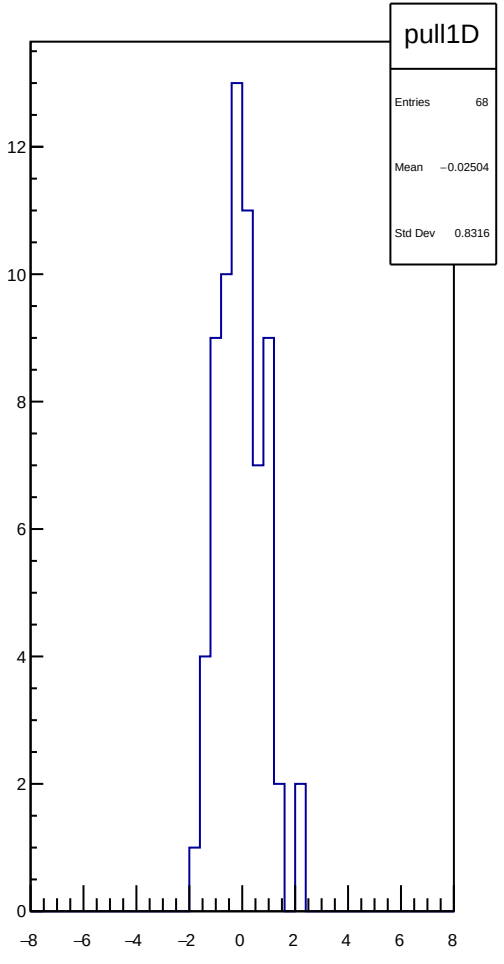

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2110 / 67
p0 355.2 ± 0.3103
400
390
380
370
360
350
340
330
320

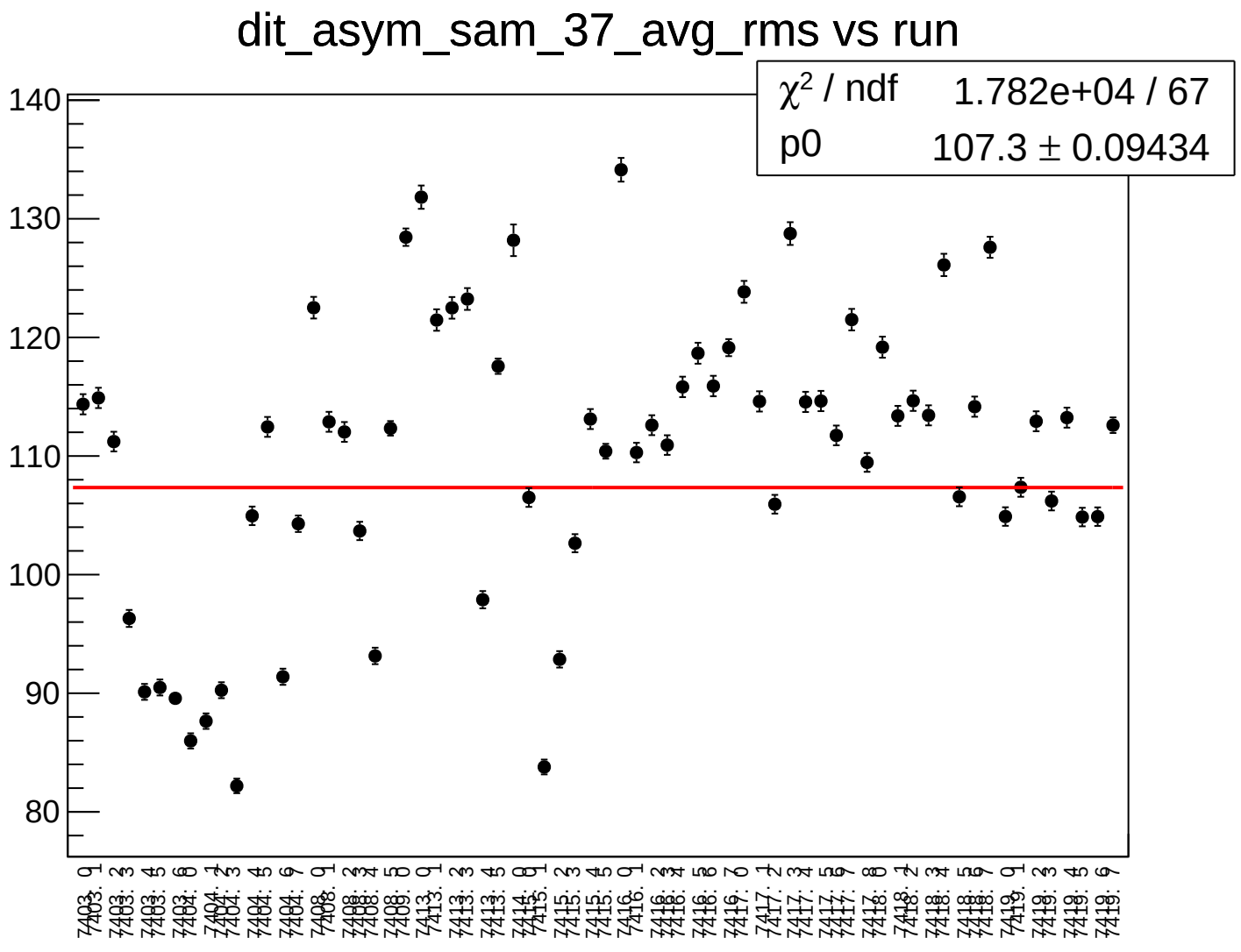

asym_sam_26_avg_mean vs run
χ² / ndf 73.48 / 67
p0 394.7 ± 441.4
15000
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 110
Std Dev 76.04
2
1
0
−1
−2
−3

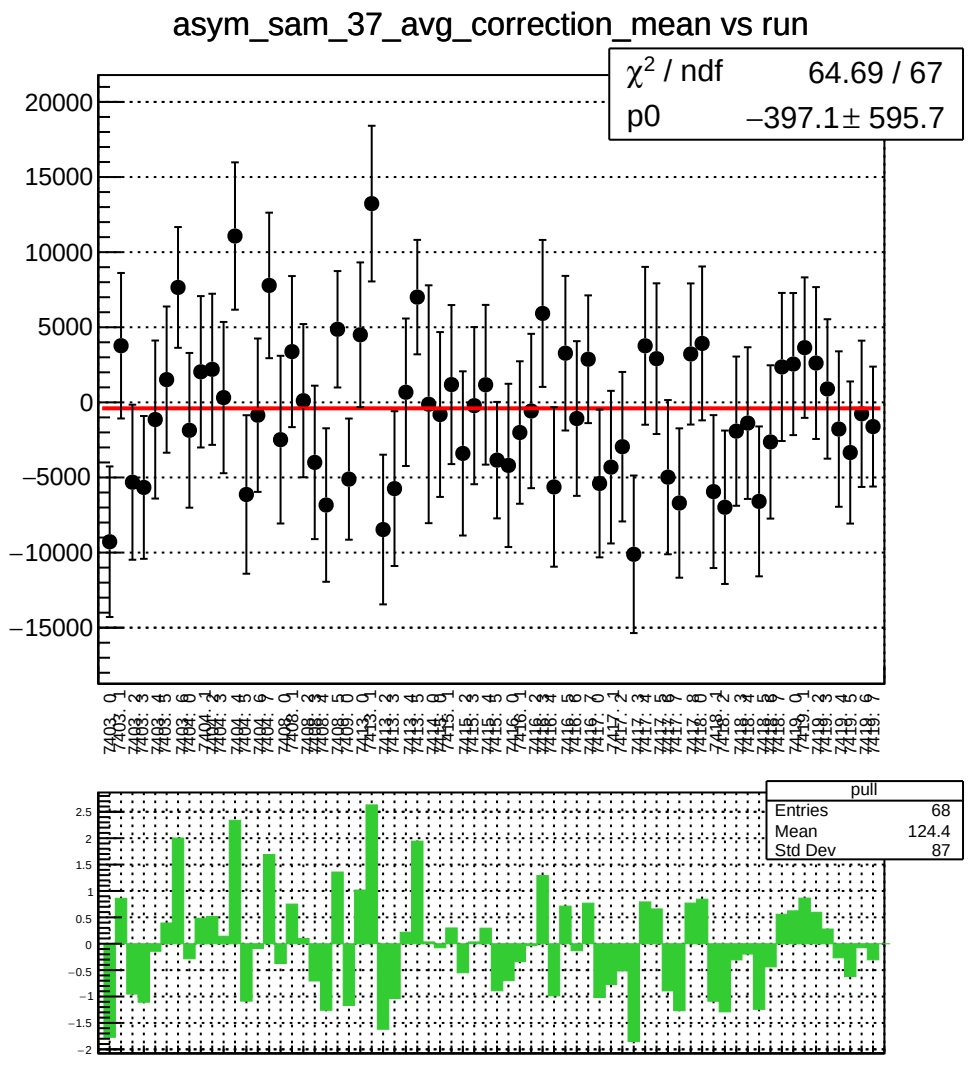

pull1D
Entries 68
Mean 0.03799
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

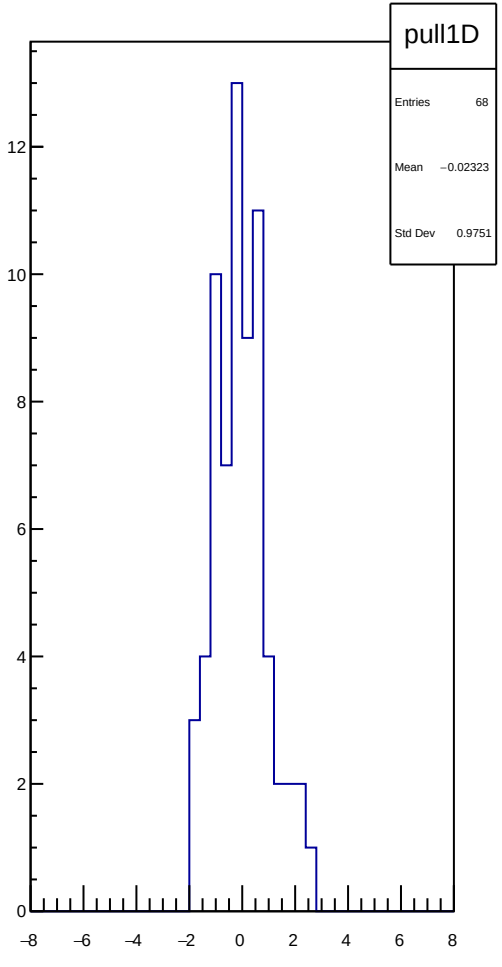

asym_sam_26_avg_rms vs run
χ² / ndf 6850 / 67
p0 356.6 ± 0.3121
440
420
400
380
360
340
320
300

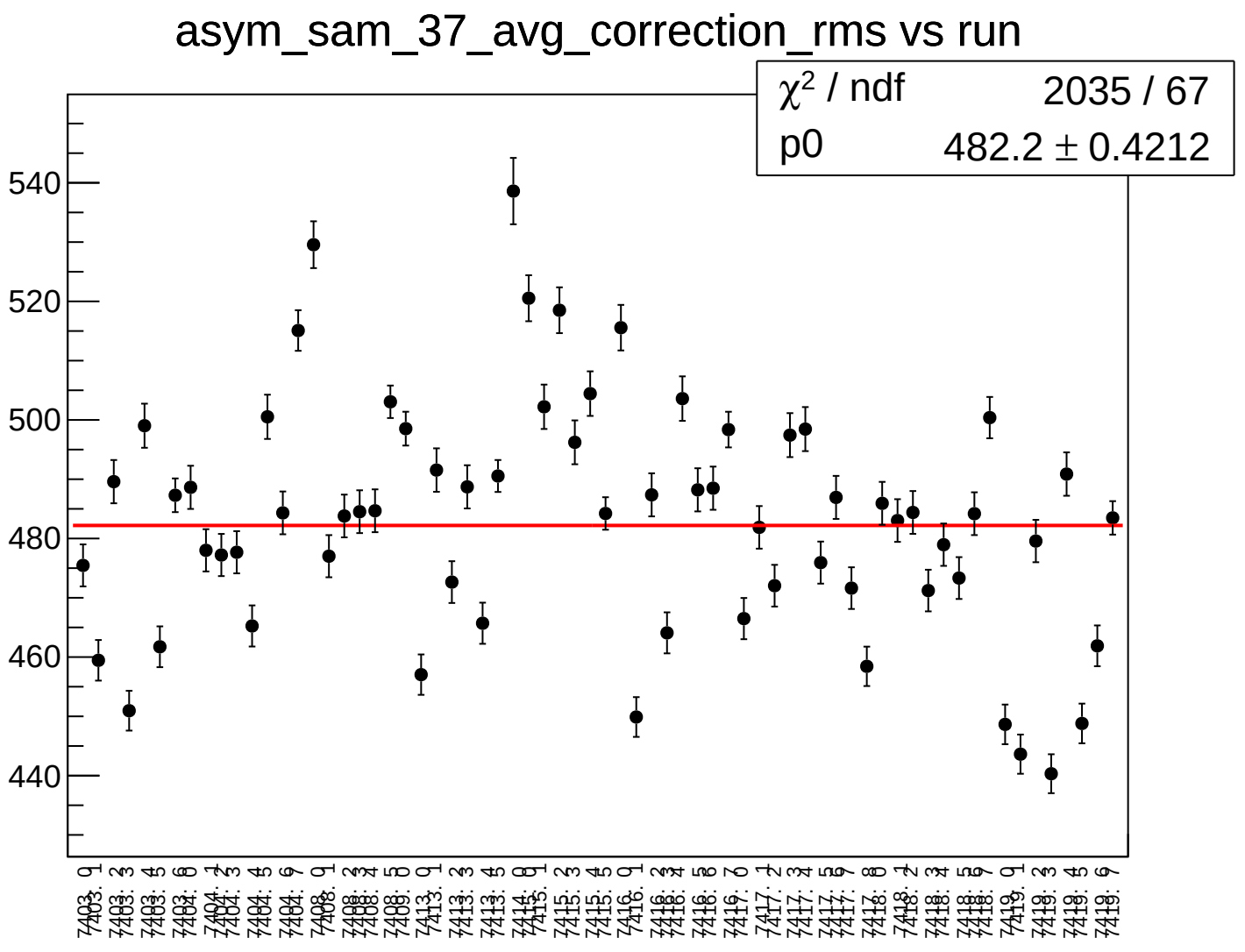

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 47.06 / 67
p0 74.77 ± 133.4
pull
Entries 68
Mean 73.68
Std Dev 42.51

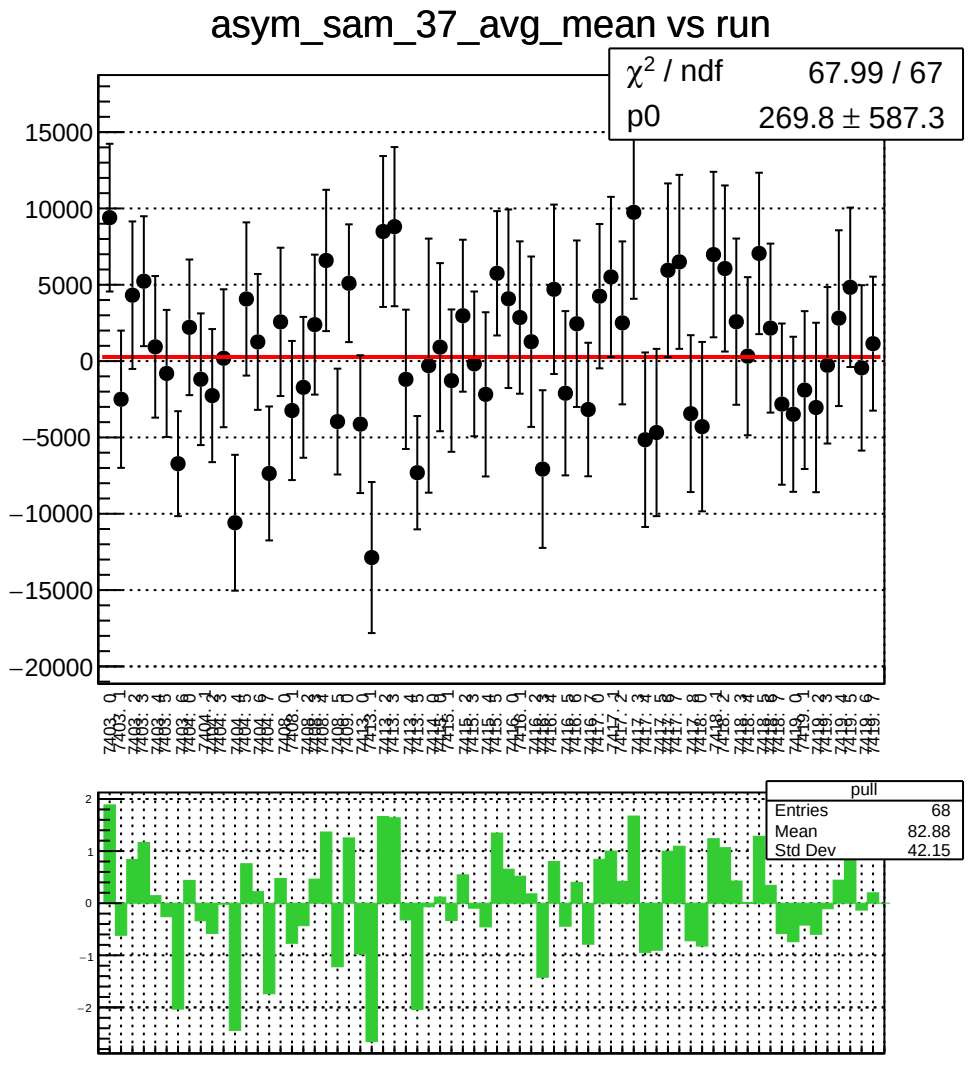

pull1D
Entries 68
Mean −0.02504
Std Dev 0.8316

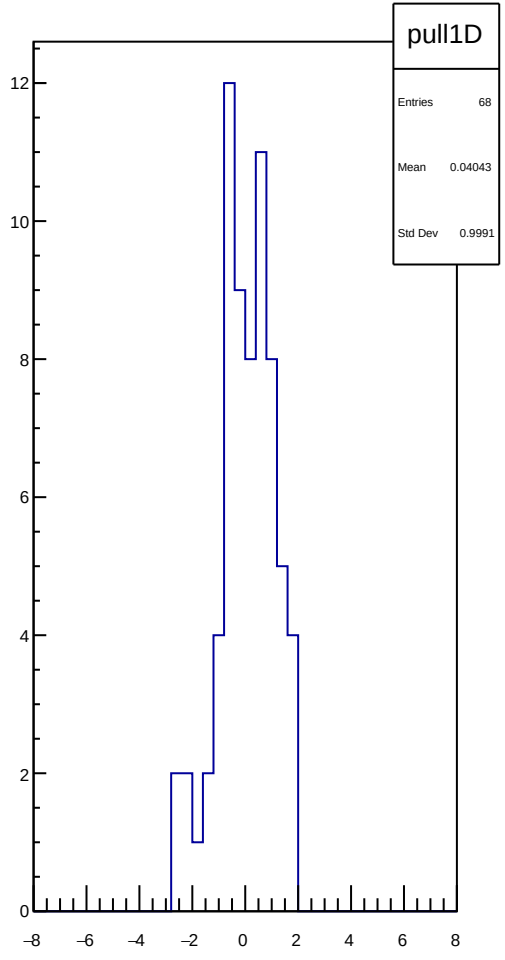

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.782e+04 / 67
p0 107.3 ± 0.09434
140
130
120
110
100
90
80

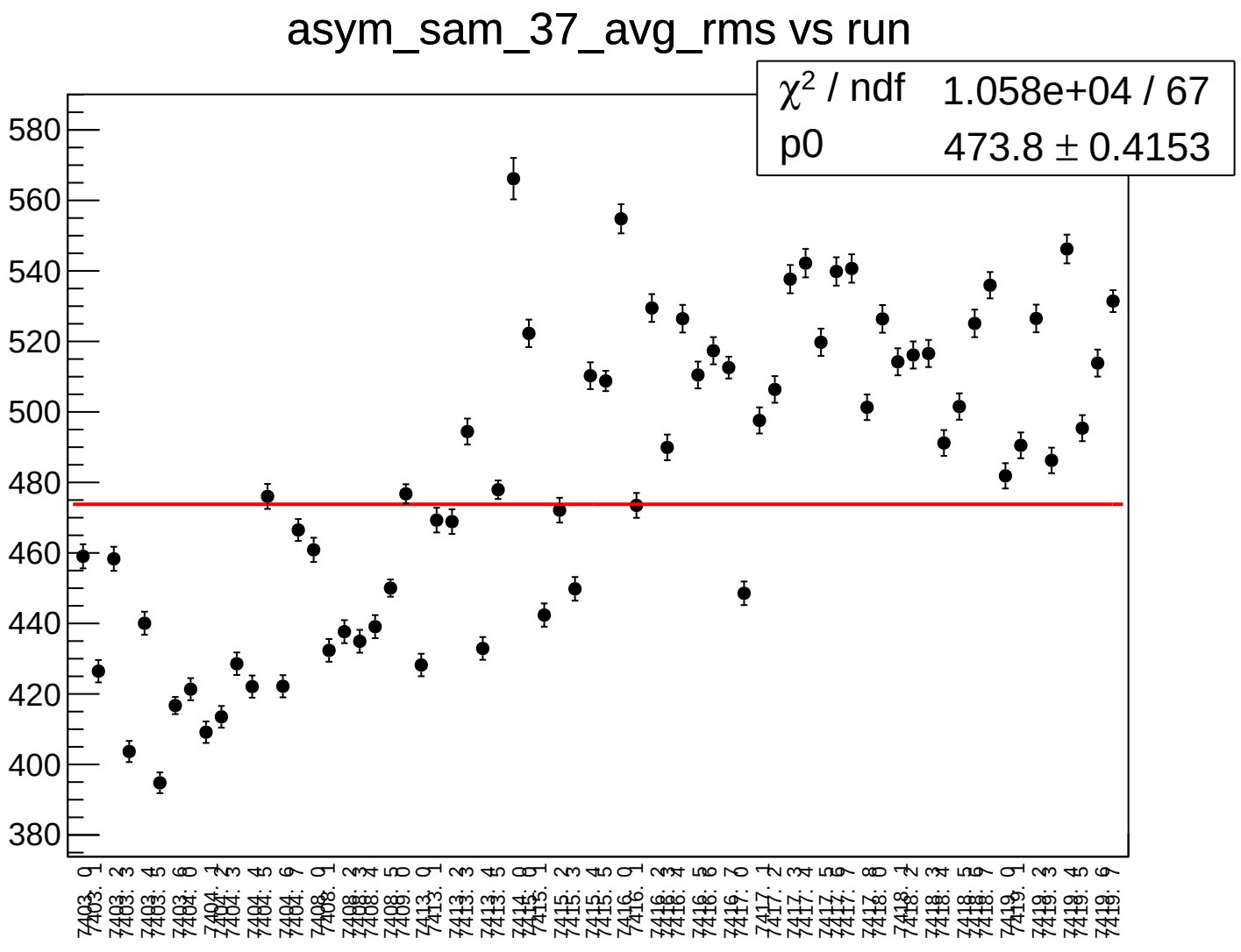

asym_sam_37_avg_correction_mean vs run
χ² / ndf 64.69 / 67
p0 −397.1 ± 595.7
pull
Entries 68
Mean 124.4
Std Dev 87

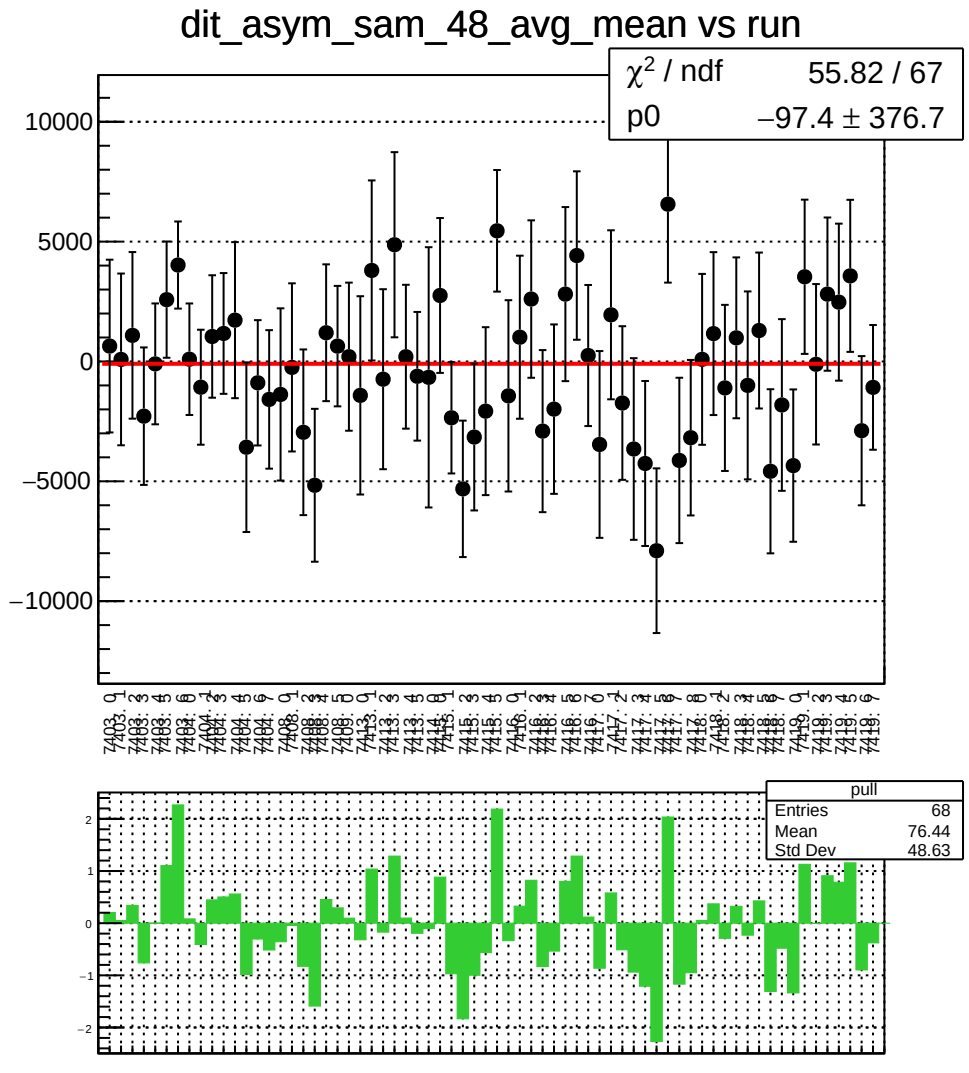

pull1D
Entries 68
Mean −0.02323
Std Dev 0.9751

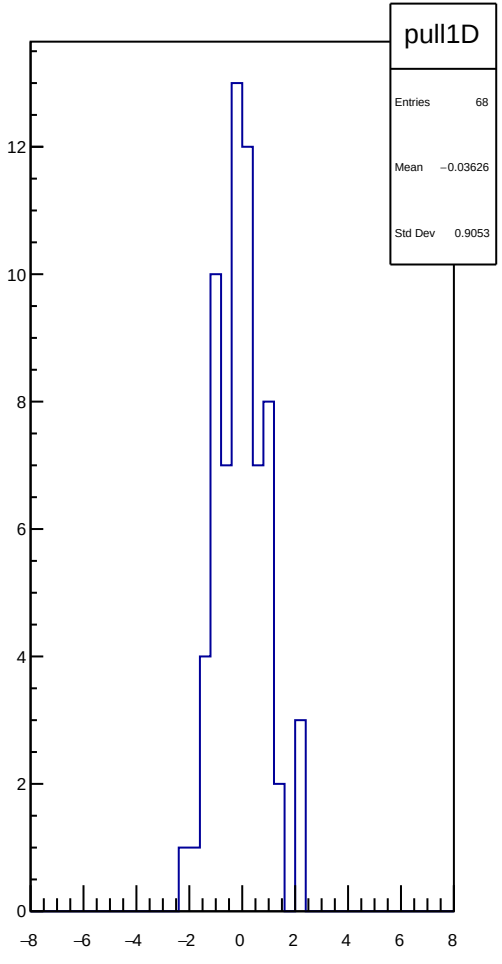

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2035 / 67
p0 482.2 ± 0.4212
540
520
500
480
460
440

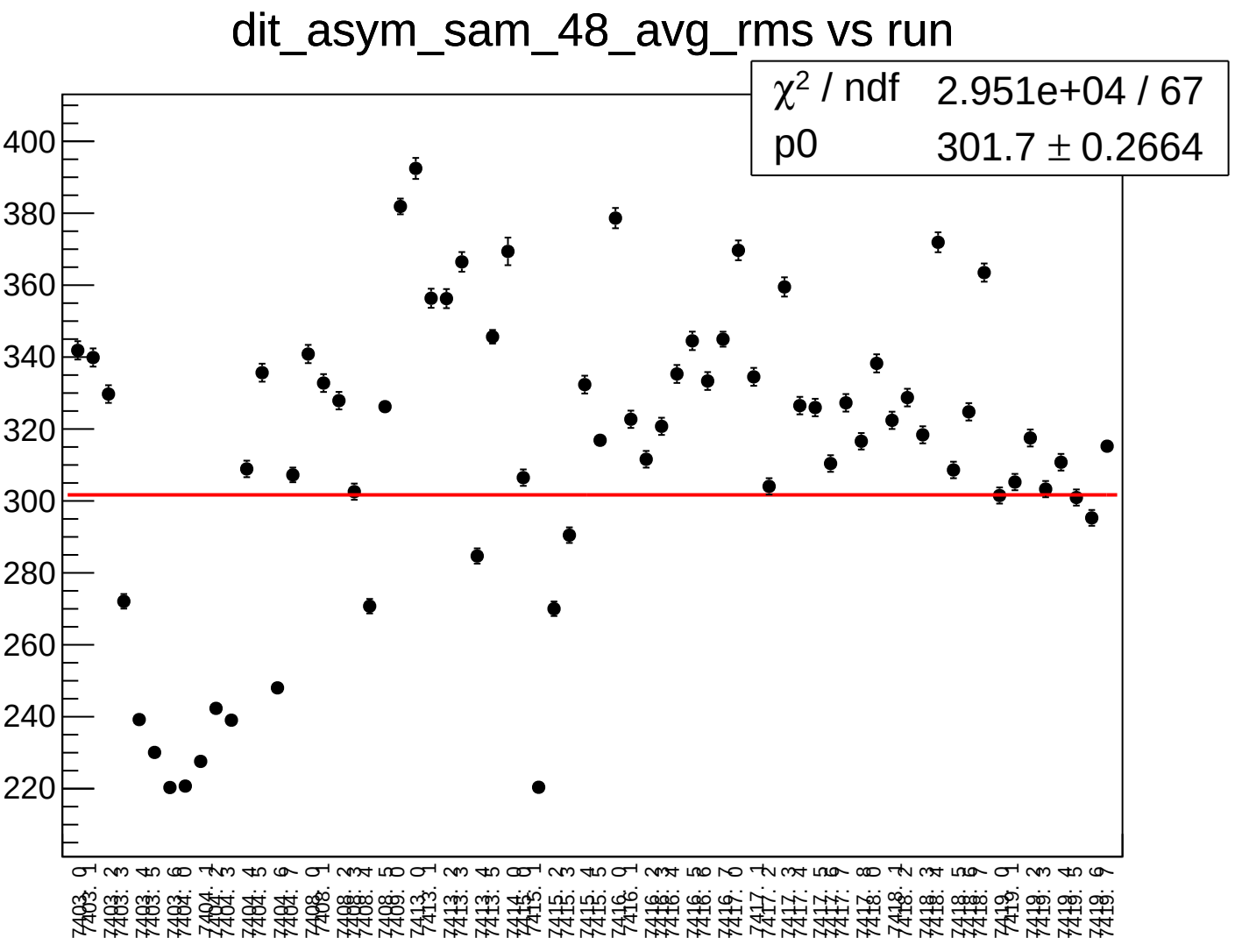

asym_sam_37_avg_mean vs run
χ² / ndf 67.99 / 67
p0 269.8 ± 587.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 68
Mean 82.88
Std Dev 42.15
2
1
0
−1
−2

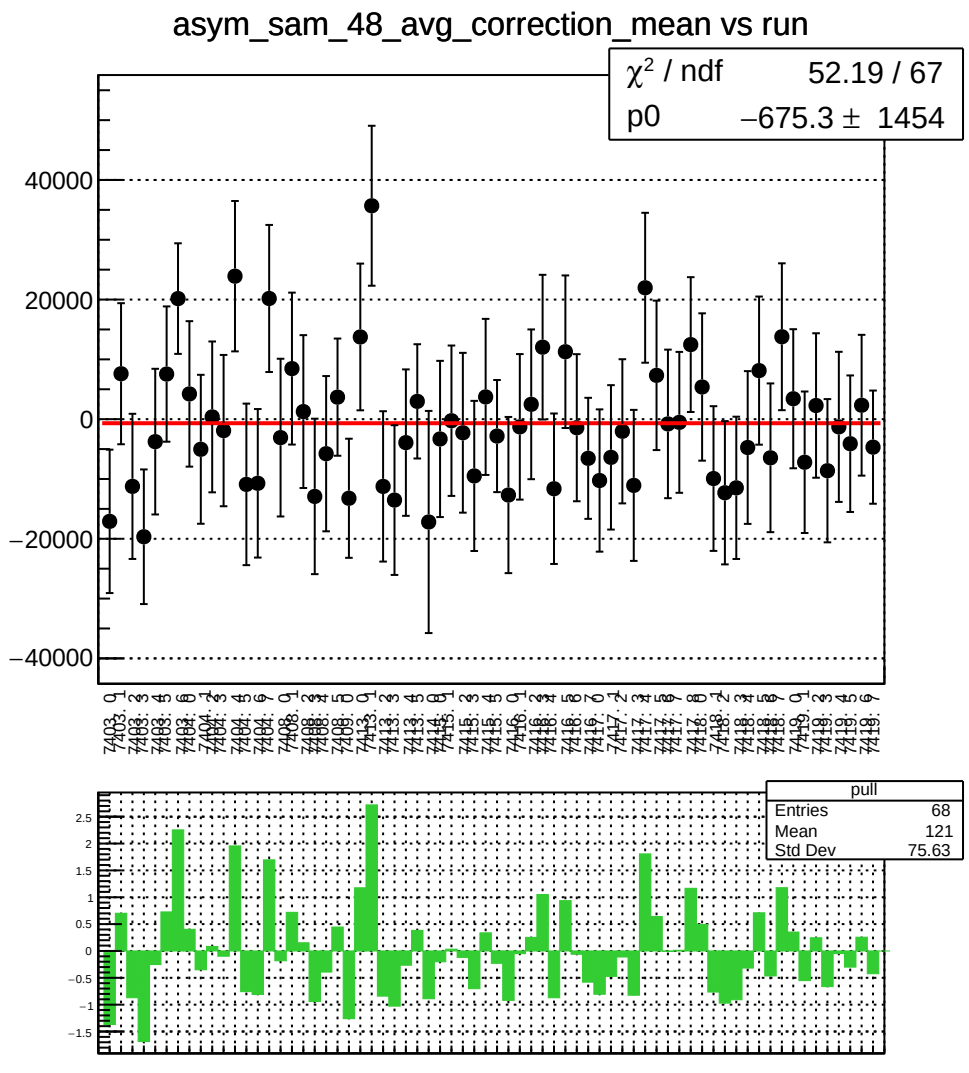

pull1D
Entries 68
Mean 0.04043
Std Dev 0.9991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

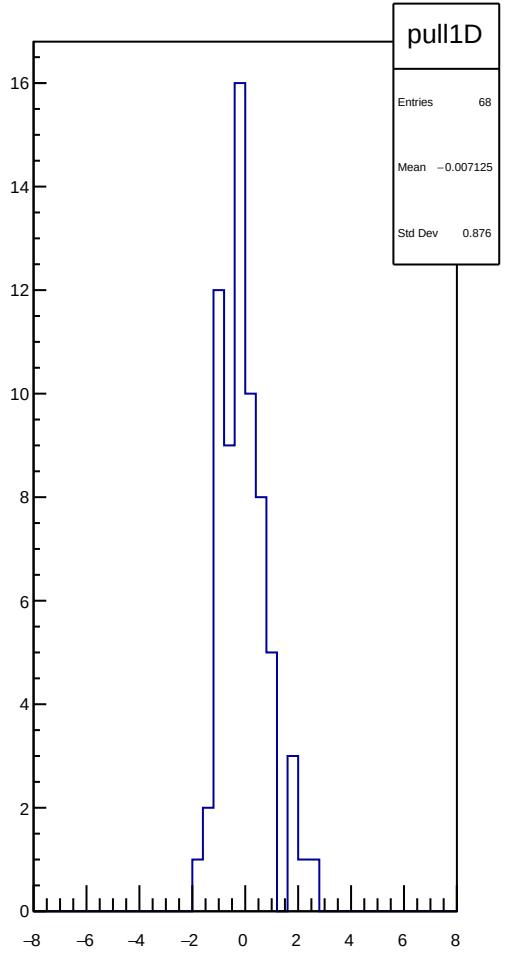

asym_sam_37_avg_rms vs run
χ² / ndf 1.058e+04 / 67
p0 473.8 ± 0.4153
580
560
540
520
500
480
460
440
420
400
380

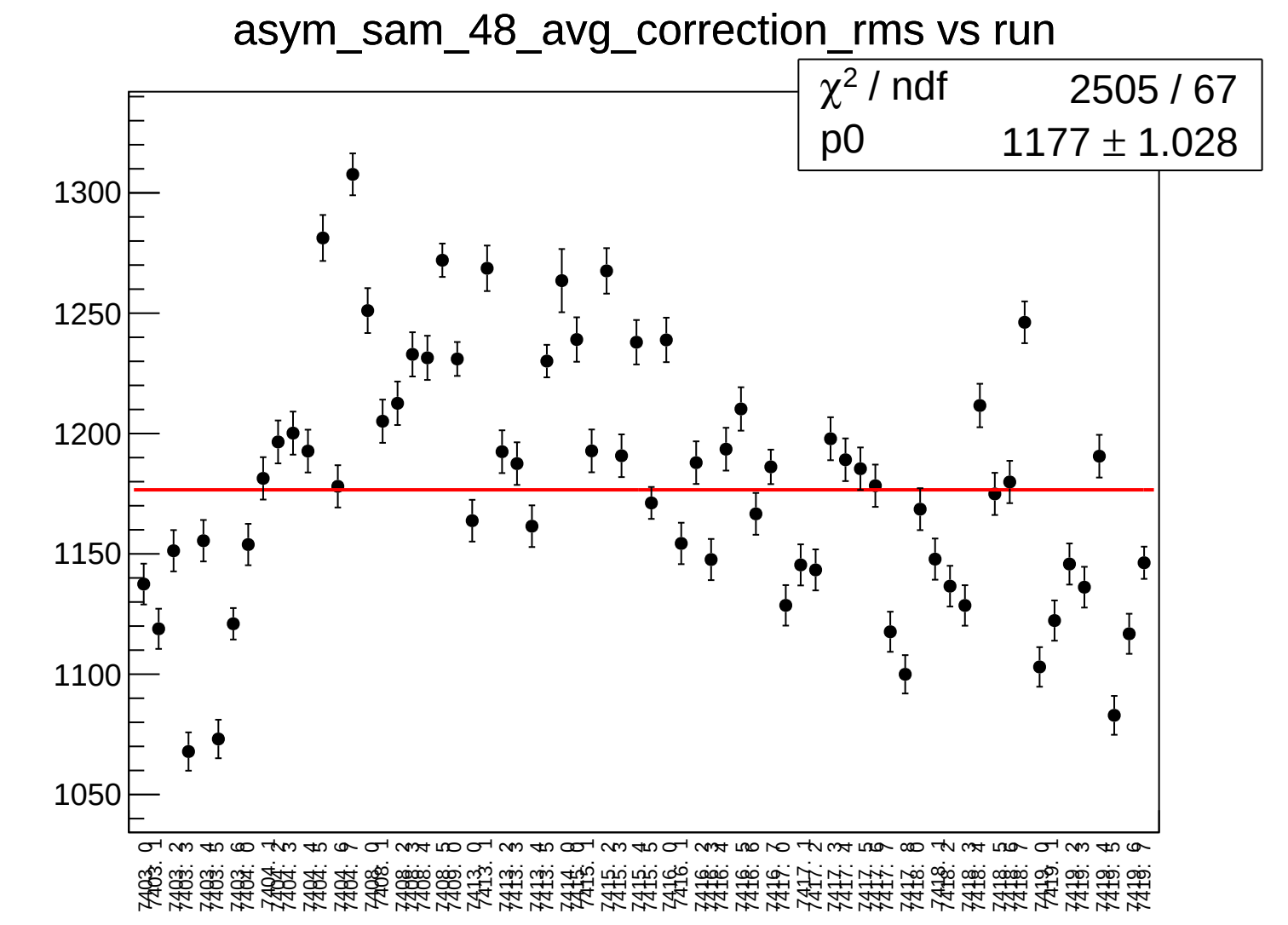

dit_asym_sam_48_avg_mean vs run
χ² / ndf 55.82 / 67
p0 −97.4 ± 376.7
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 76.44
Std Dev 48.63
2
1
0
−1
−2

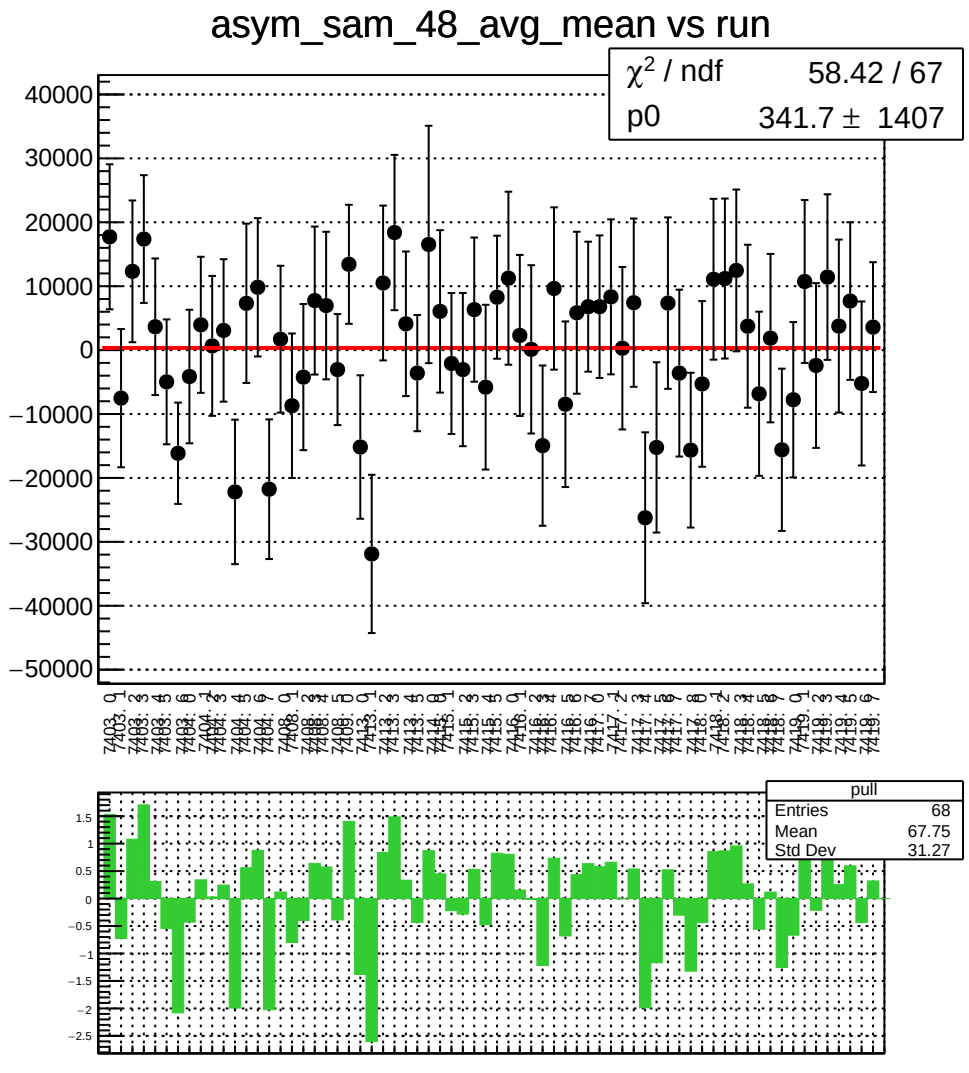

pull1D
Entries 68
Mean −0.03626
Std Dev 0.9053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

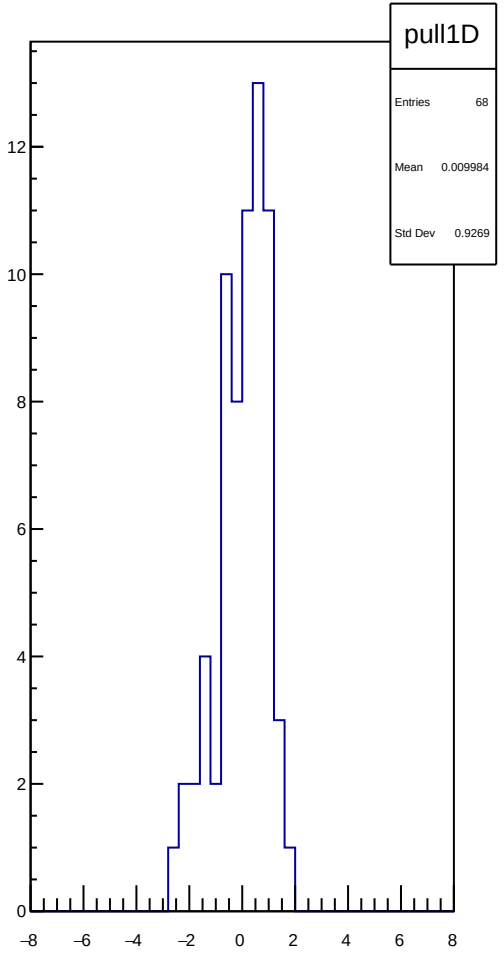

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 2.951e+04 / 67
p0 301.7 ± 0.2664
400
380
360
340
320
300
280
260
240
220

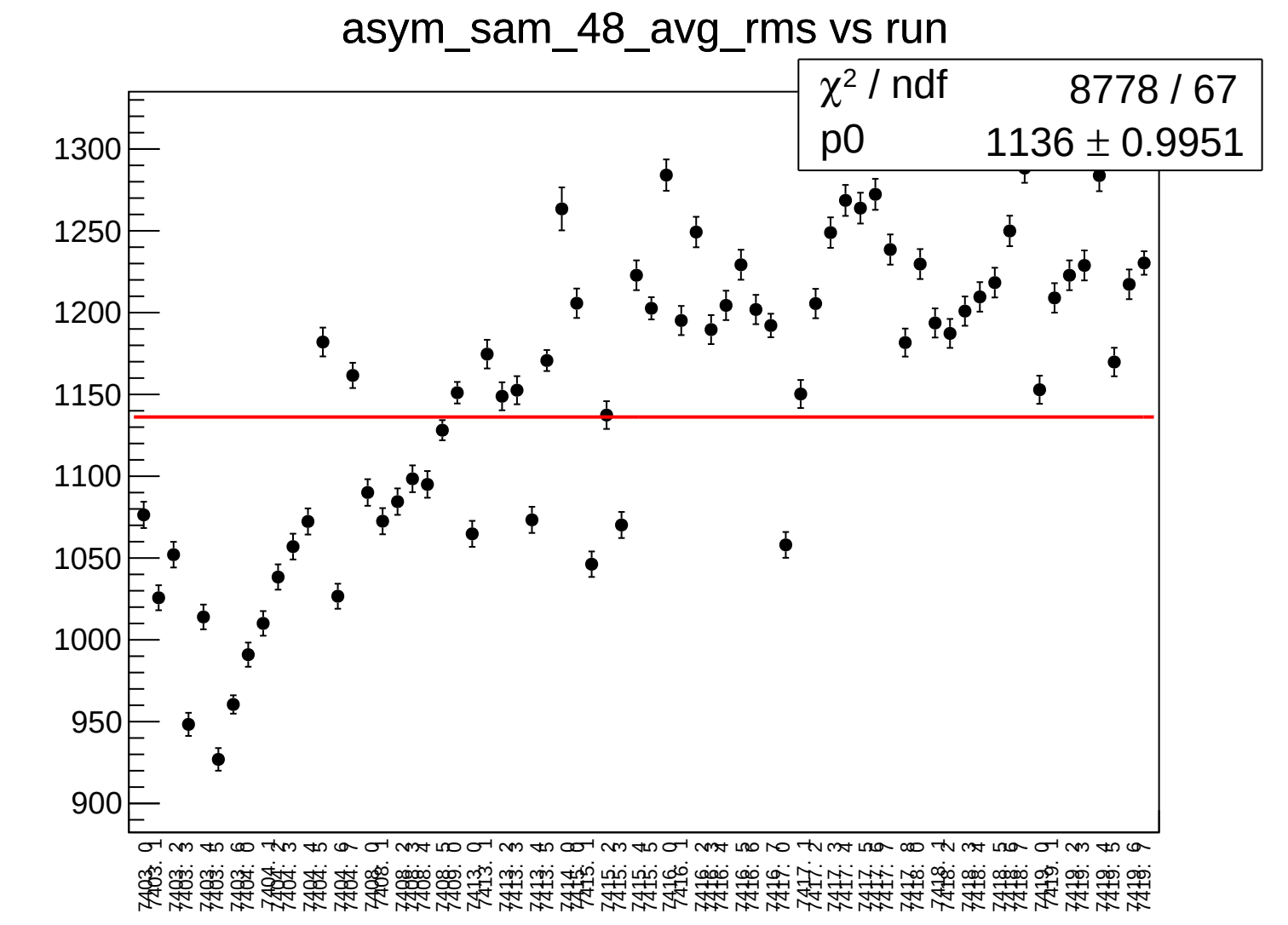

asym_sam_48_avg_correction_mean vs run
χ² / ndf 52.19 / 67
p0 −675.3 ± 1454
40000
20000
0
−20000
−40000
pull
Entries 68
Mean 121
Std Dev 75.63
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

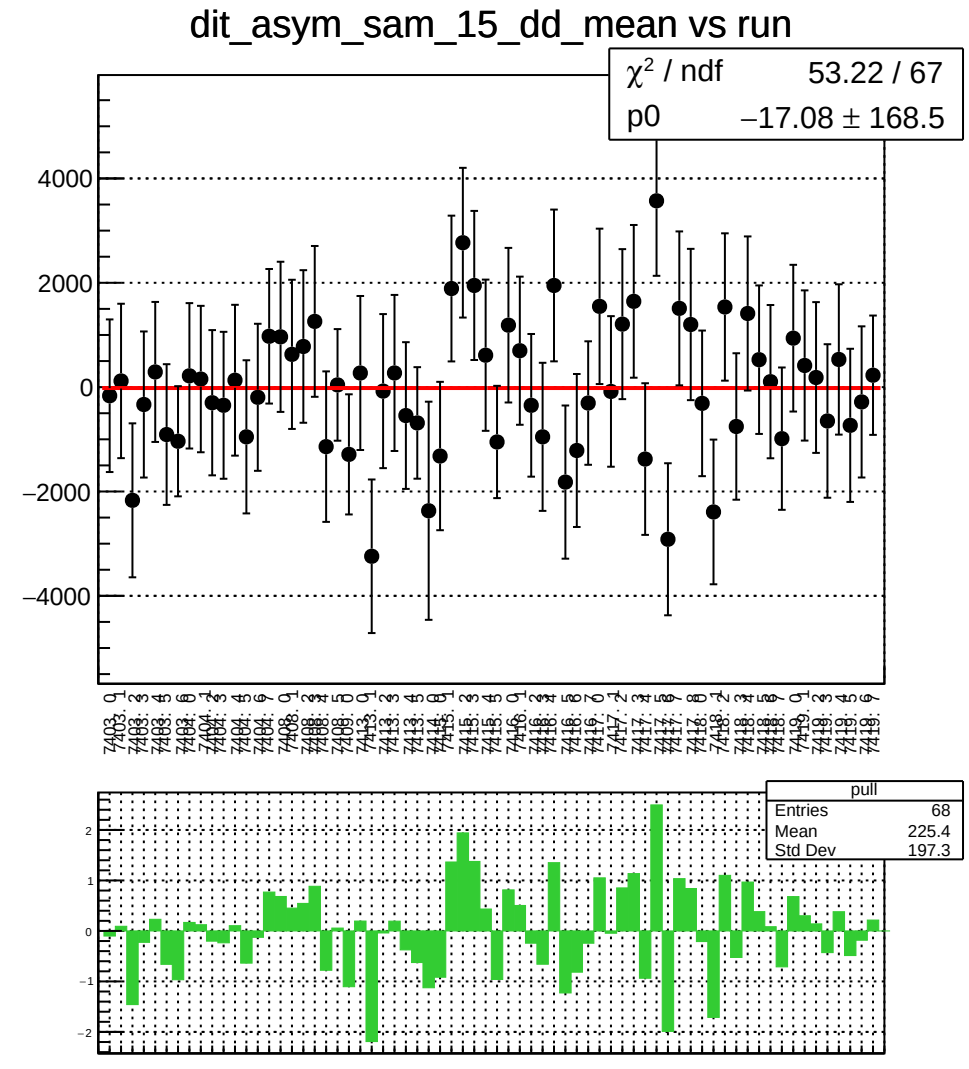

pull1D
Entries 68
Mean −0.007125
Std Dev 0.876
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

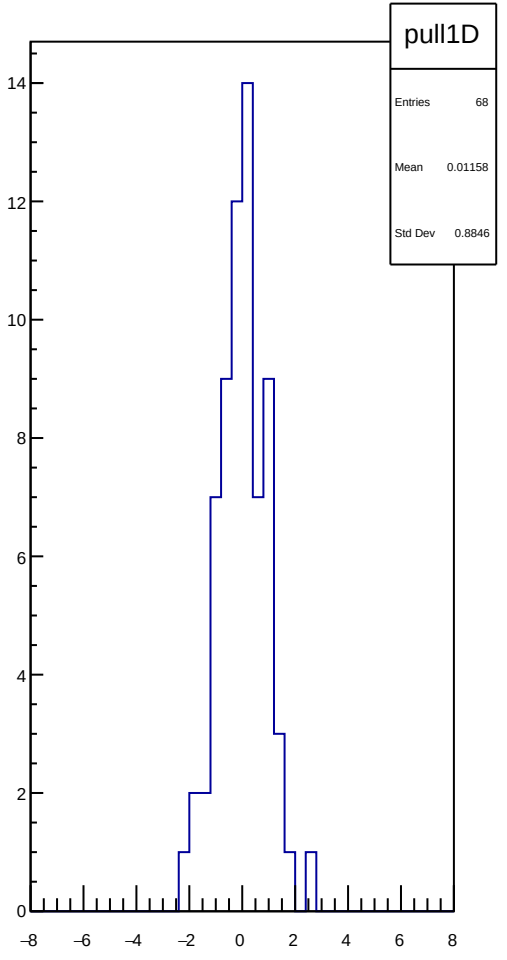

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2505 / 67
p0 1177 ± 1.028
1300
1250
1200
1150
1100
1050

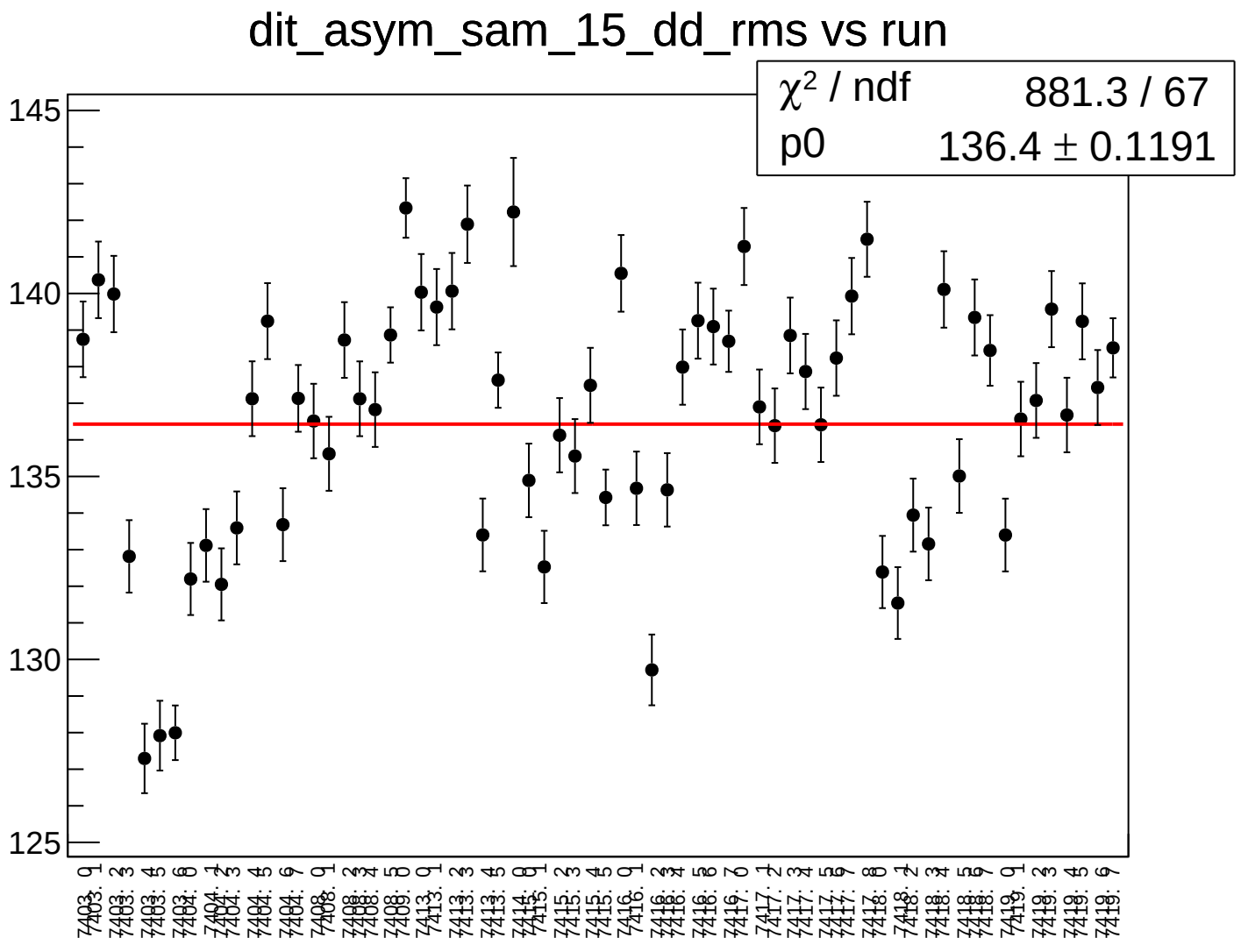

asym_sam_48_avg_mean vs run
χ² / ndf 58.42 / 67
p0 341.7 ± 1407
pull
Entries 68
Mean 67.75
Std Dev 31.27

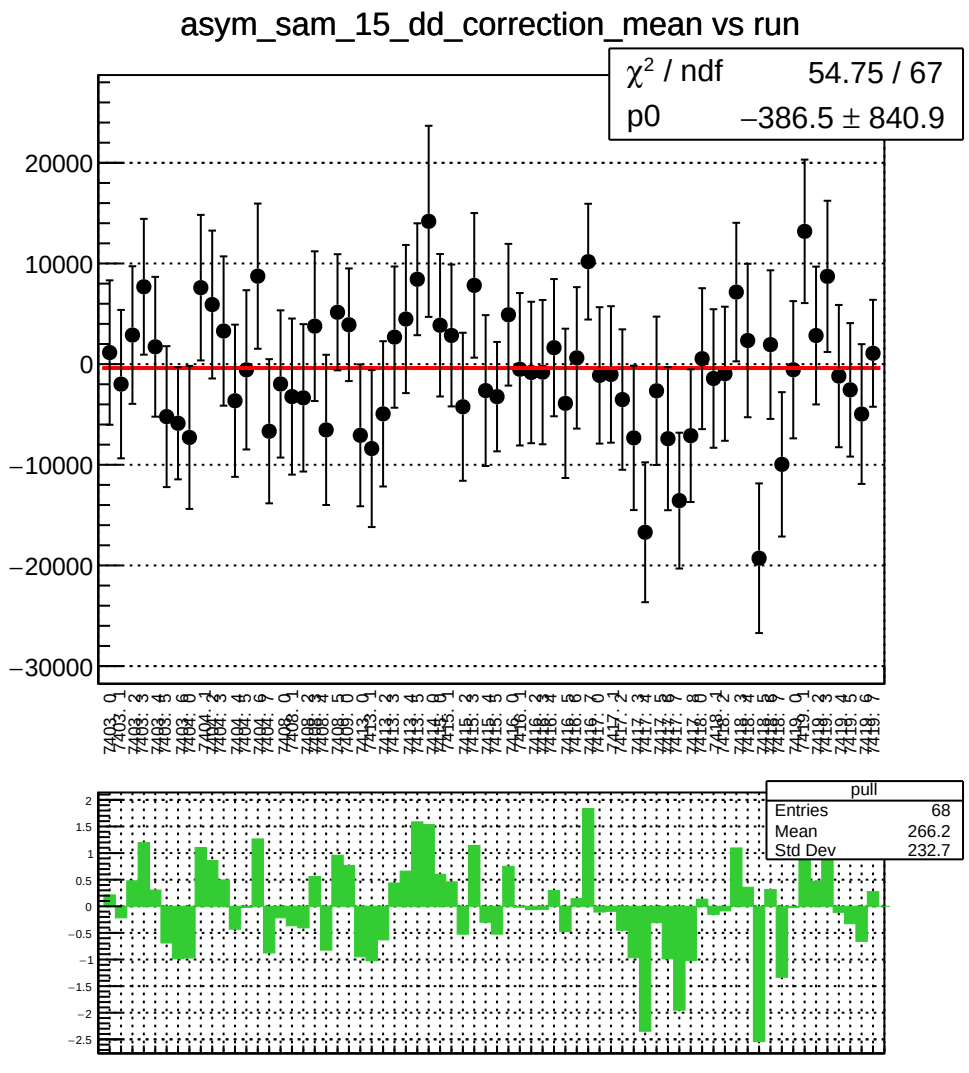

pull1D
Entries 68
Mean 0.009984
Std Dev 0.9269

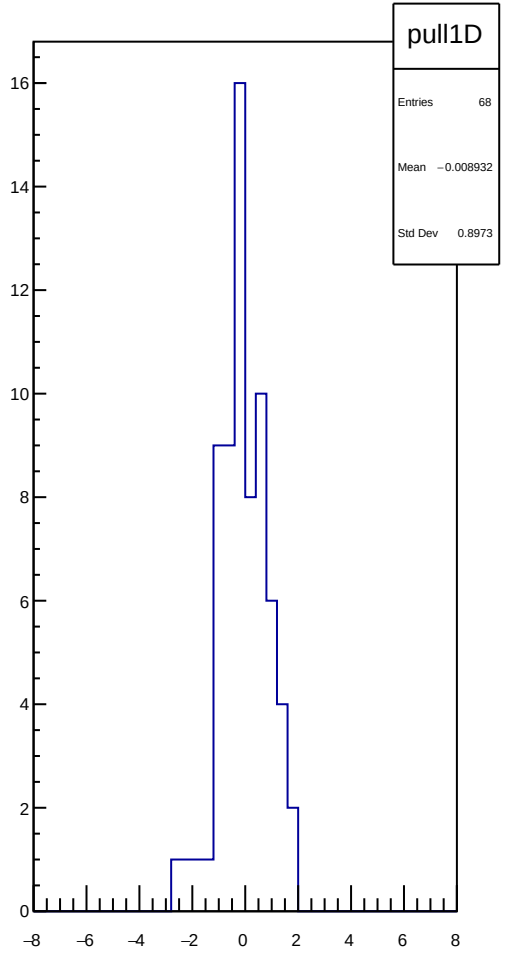

asym_sam_48_avg_rms vs run
χ² / ndf 8778 / 67
p0 1136 ± 0.9951
1300
1250
1200
1150
1100
1050
1000
950
900

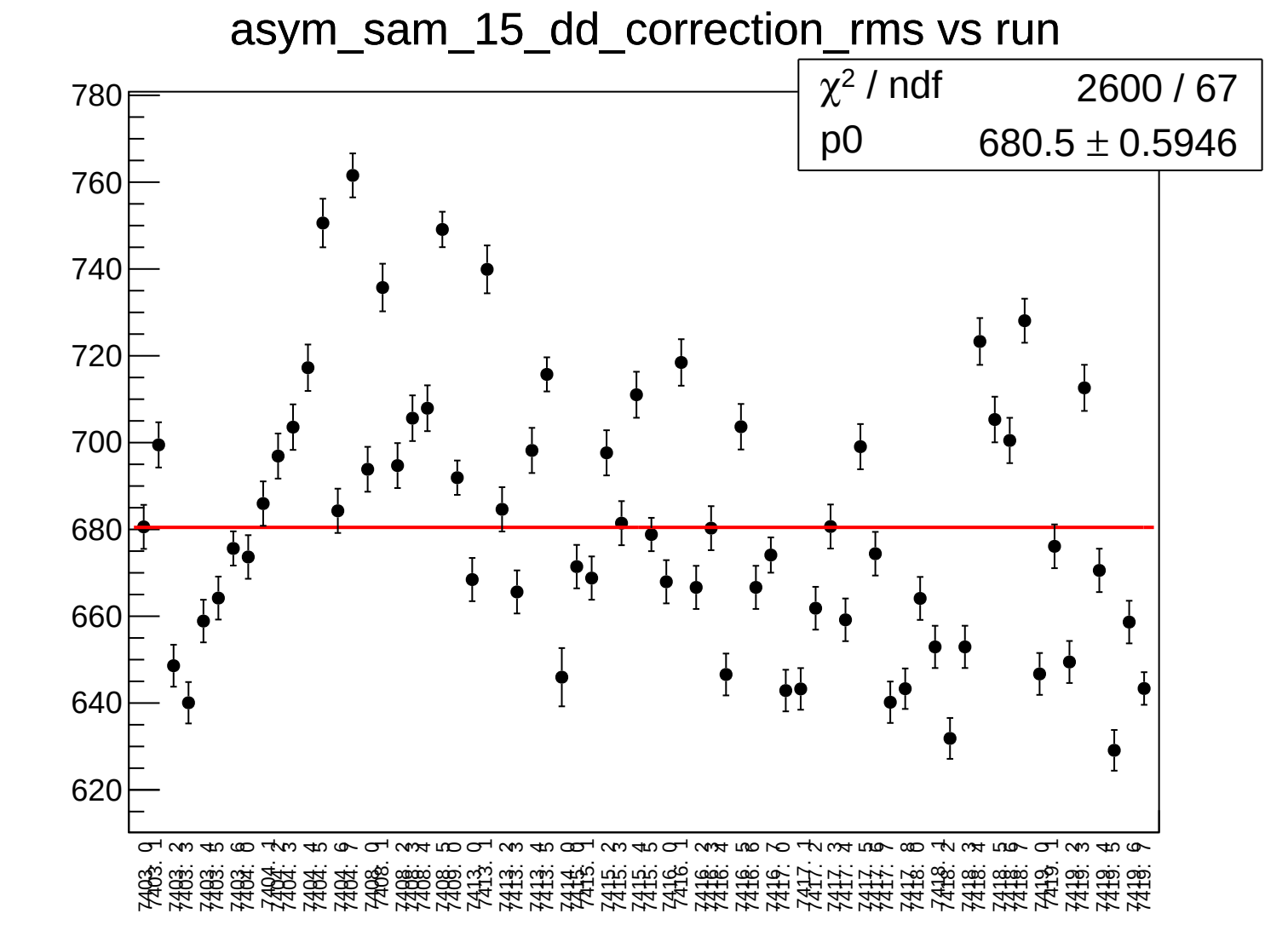

dit_asym_sam_15_dd_mean vs run
χ² / ndf 53.22 / 67
p0 −17.08 ± 168.5
4000
2000
0
−2000
−4000
pull
Entries 68
Mean 225.4
Std Dev 197.3
2
1
0
−1
−2

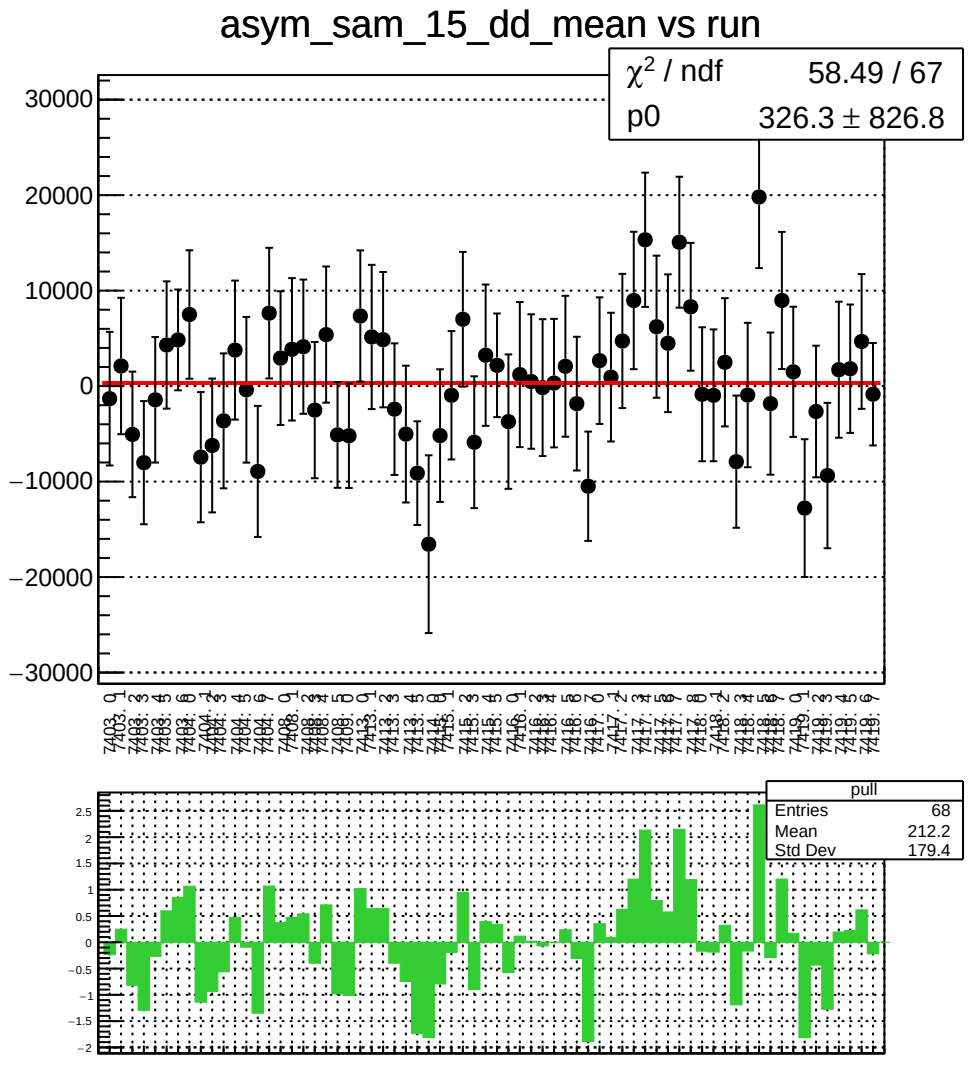

pull1D
Entries 68
Mean 0.01158
Std Dev 0.8846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

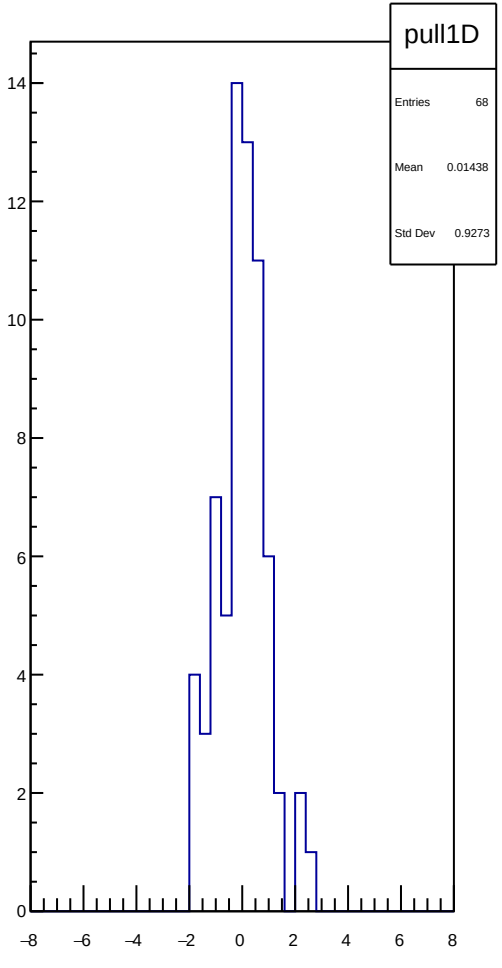

dit_asym_sam_15_dd_rms vs run
χ² / ndf 881.3 / 67
p0 136.4 ± 0.1191
145
140
135
130
125

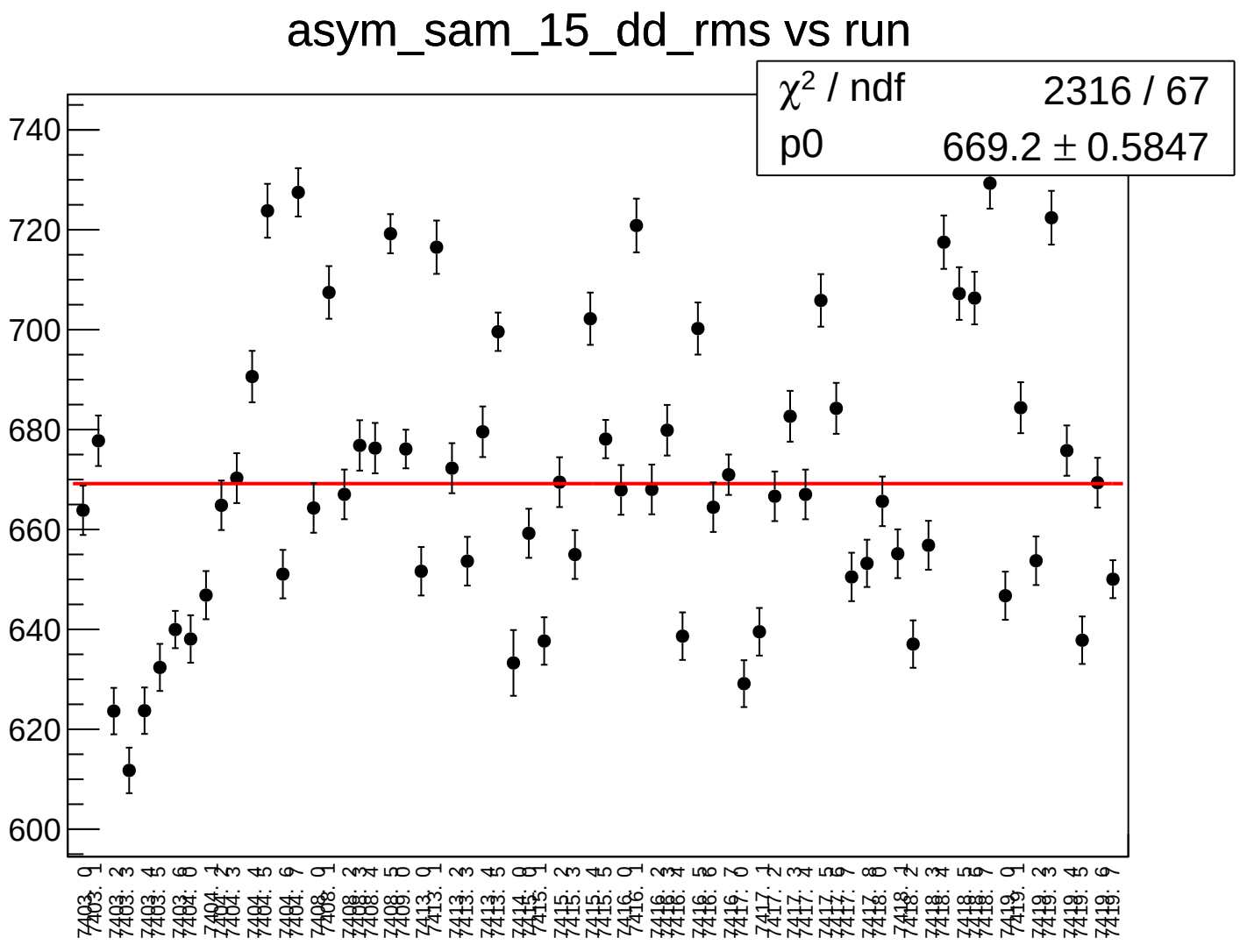

asym_sam_15_dd_correction_mean vs run
χ² / ndf 54.75 / 67
p0 −386.5 ± 840.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 266.2
Std Dev 232.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

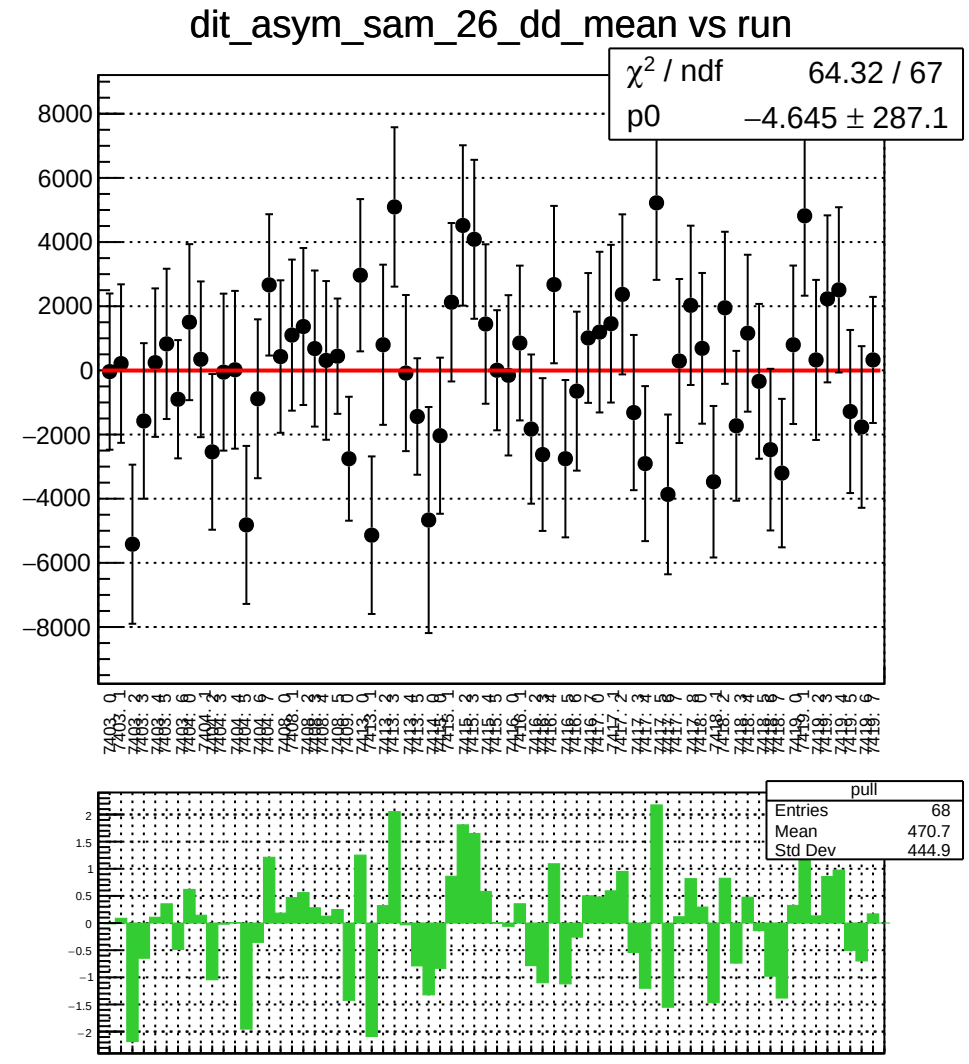

pull1D
Entries 68
Mean −0.008932
Std Dev 0.8973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

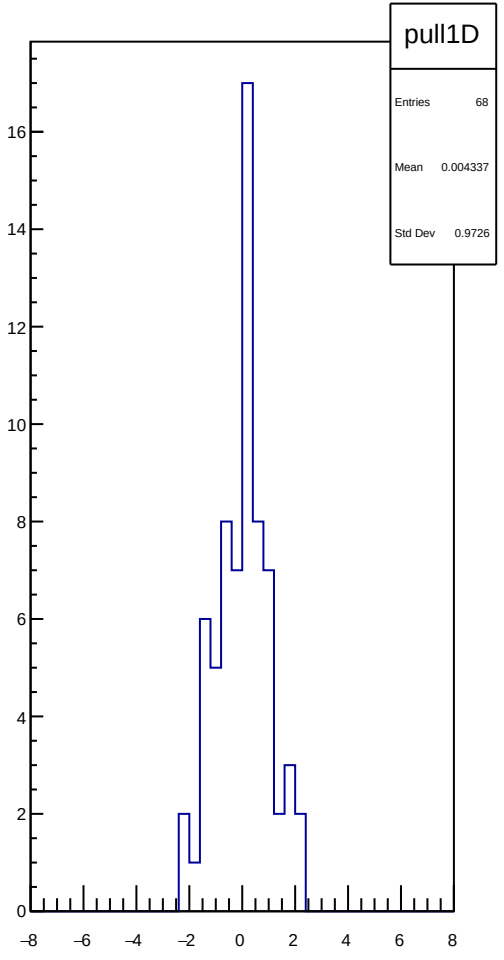

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2600 / 67
p0 680.5 ± 0.5946
780
760
740
720
700
680
660
640
620

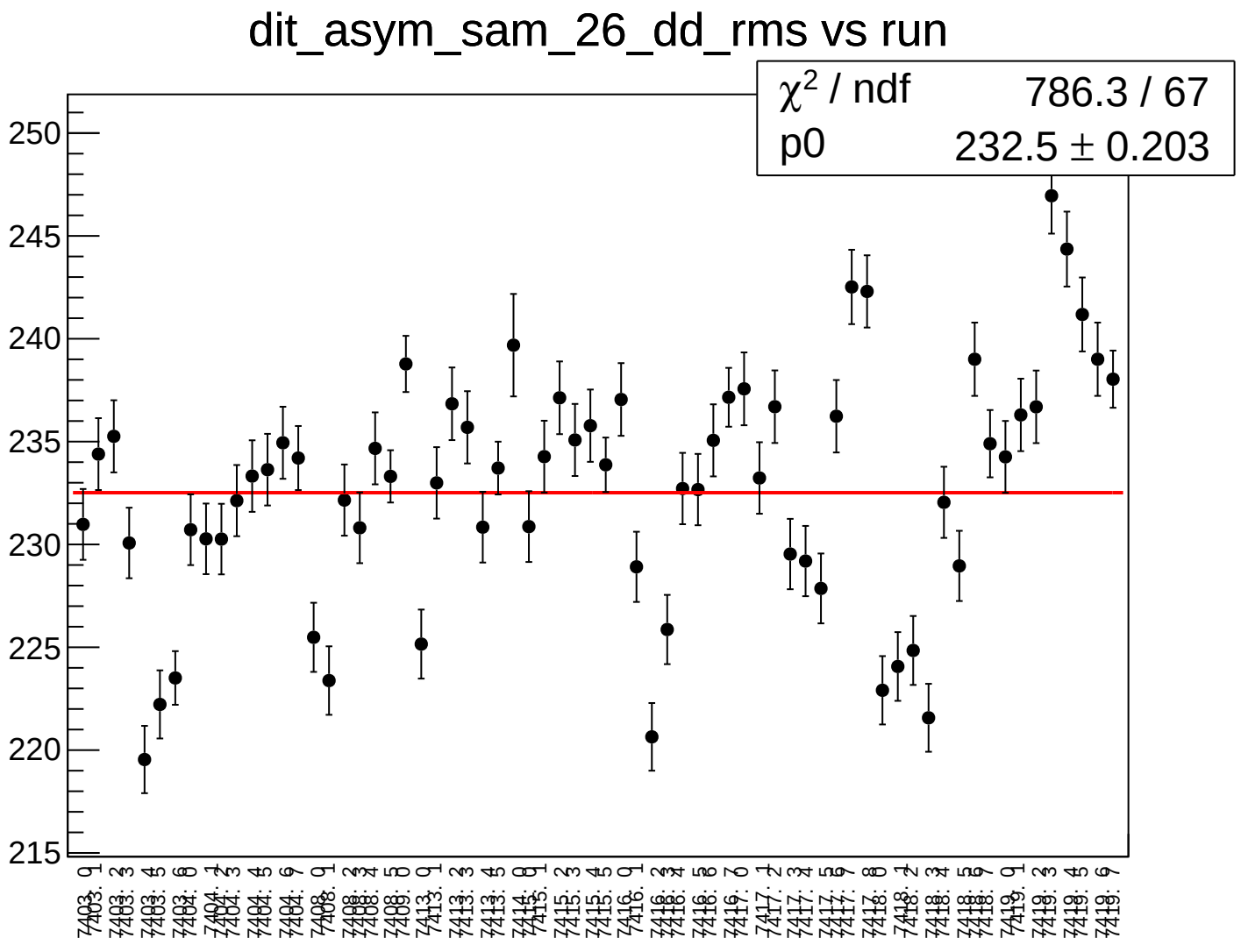

asym_sam_15_dd_mean vs run
χ² / ndf 58.49 / 67
p0 326.3 ± 826.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 212.2
Std Dev 179.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

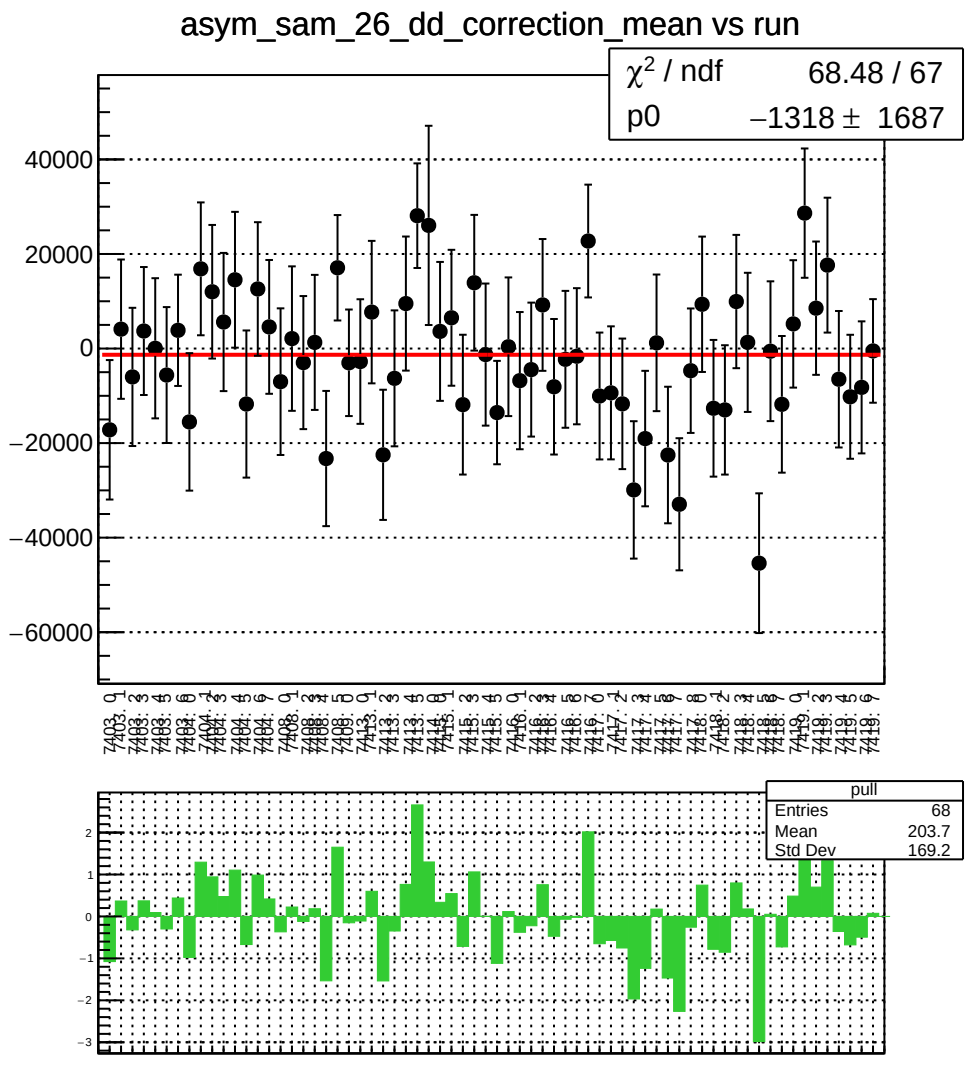

pull1D
Entries 68
Mean 0.01438
Std Dev 0.9273
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

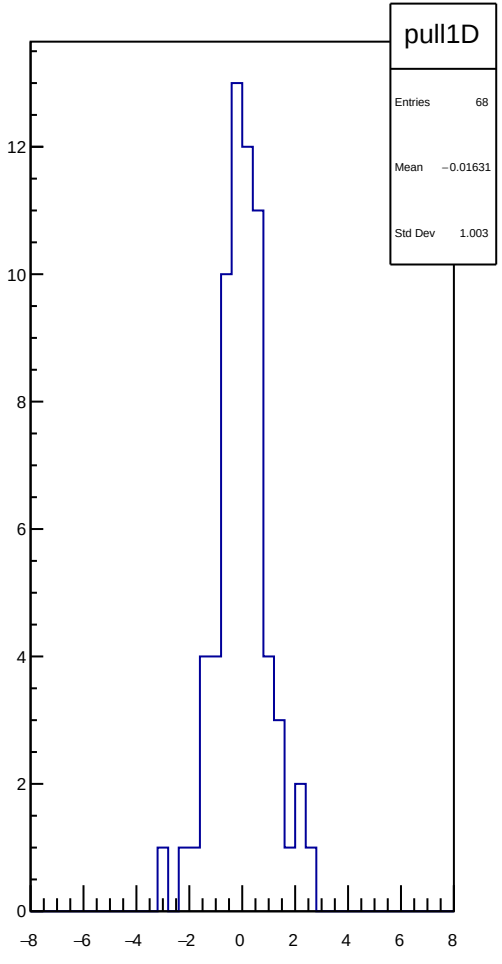

asym_sam_15_dd_rms vs run
χ² / ndf 2316 / 67
p0 669.2 ± 0.5847
740
720
700
680
660
640
620
600

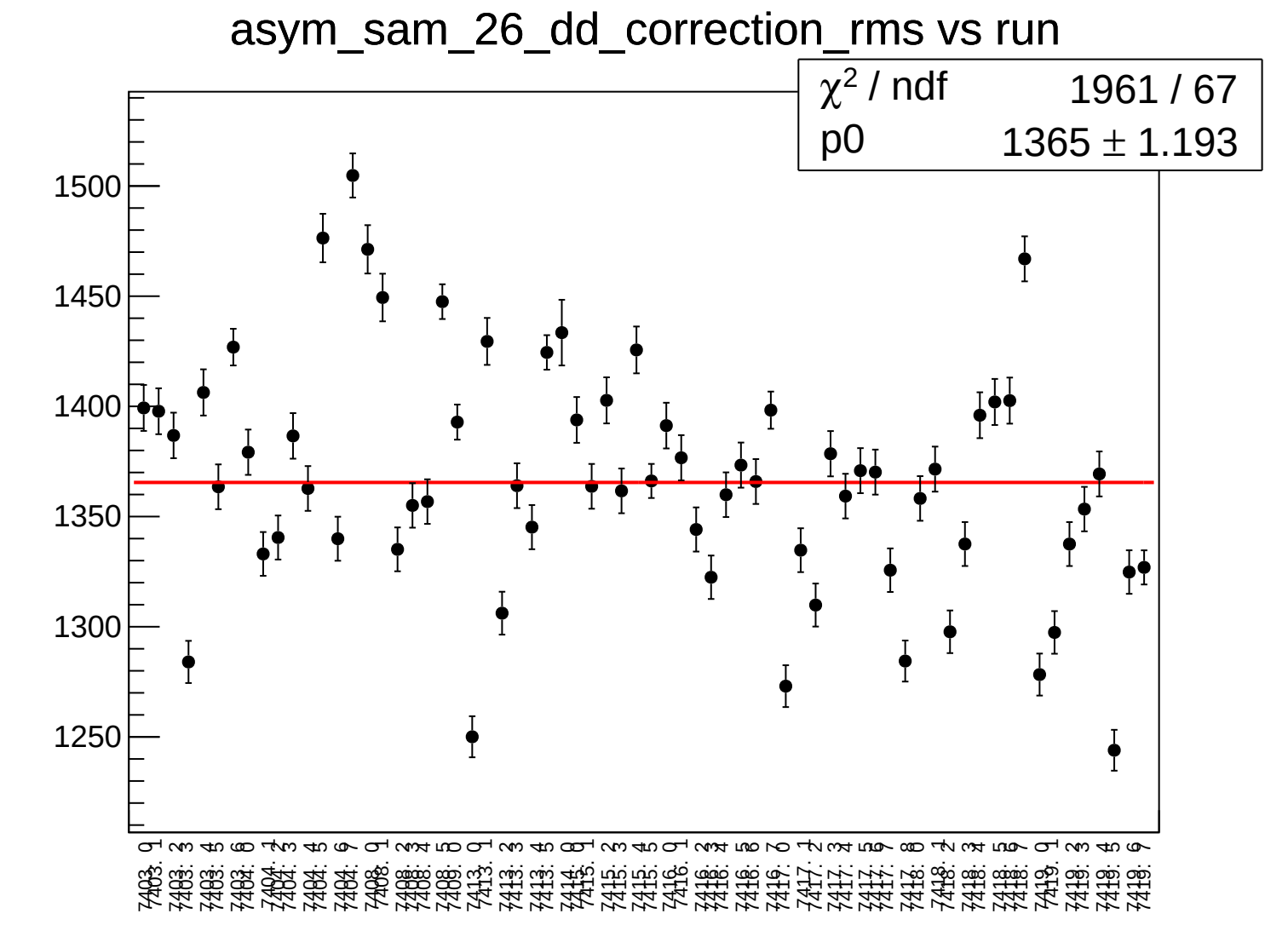

dit_asym_sam_26_dd_mean vs run
χ² / ndf 64.32 / 67
p0 −4.645 ± 287.1
pull
Entries 68
Mean 470.7
Std Dev 444.9

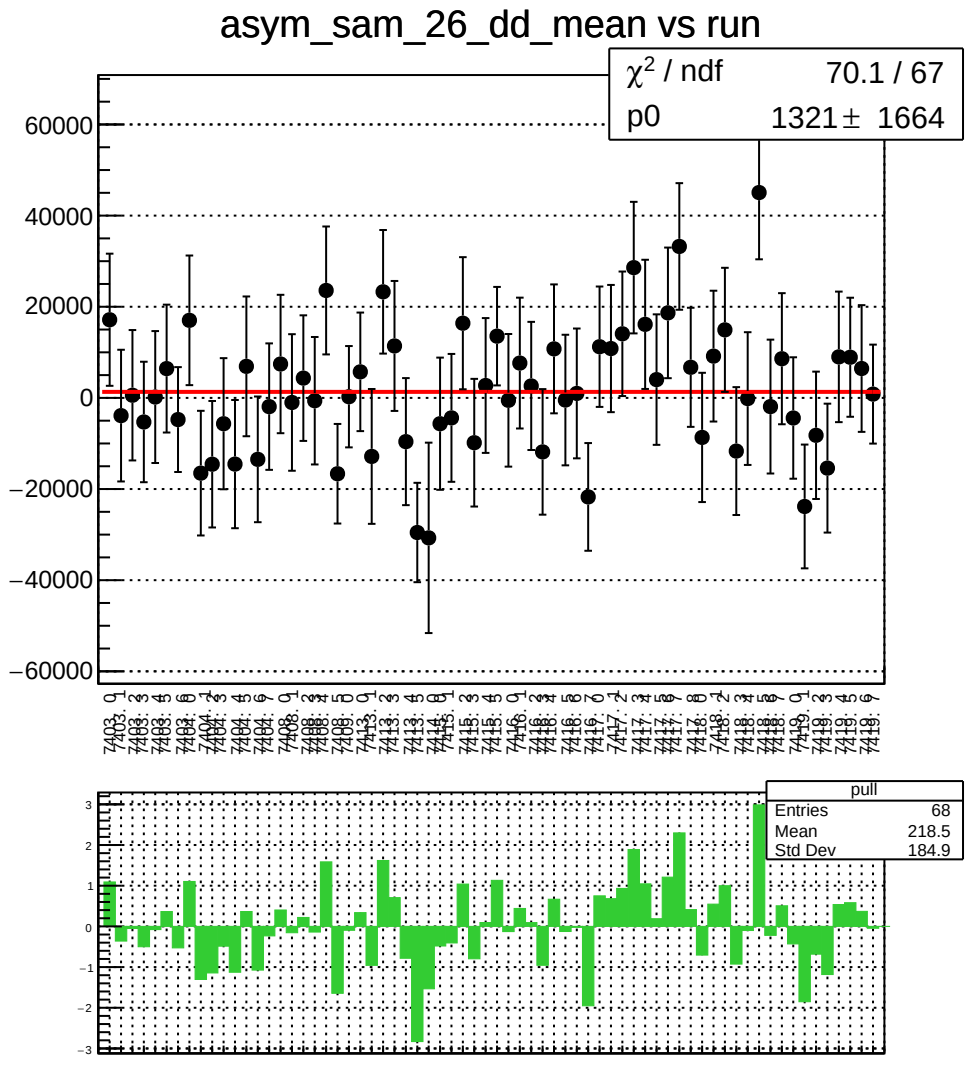

pull1D
Entries 68
Mean 0.004337
Std Dev 0.9726

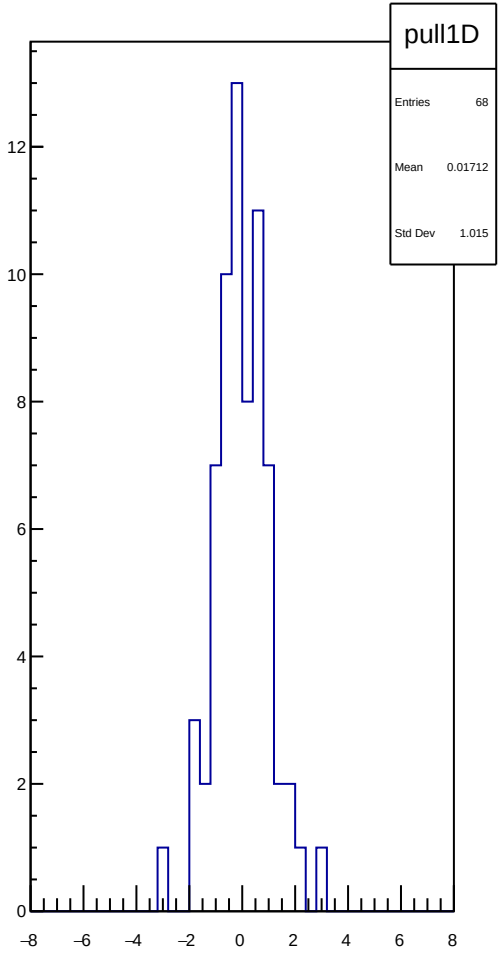

dit_asym_sam_26_dd_rms vs run
χ² / ndf 786.3 / 67
p0 232.5 ± 0.203
250
245
240
235
230
225
220
215

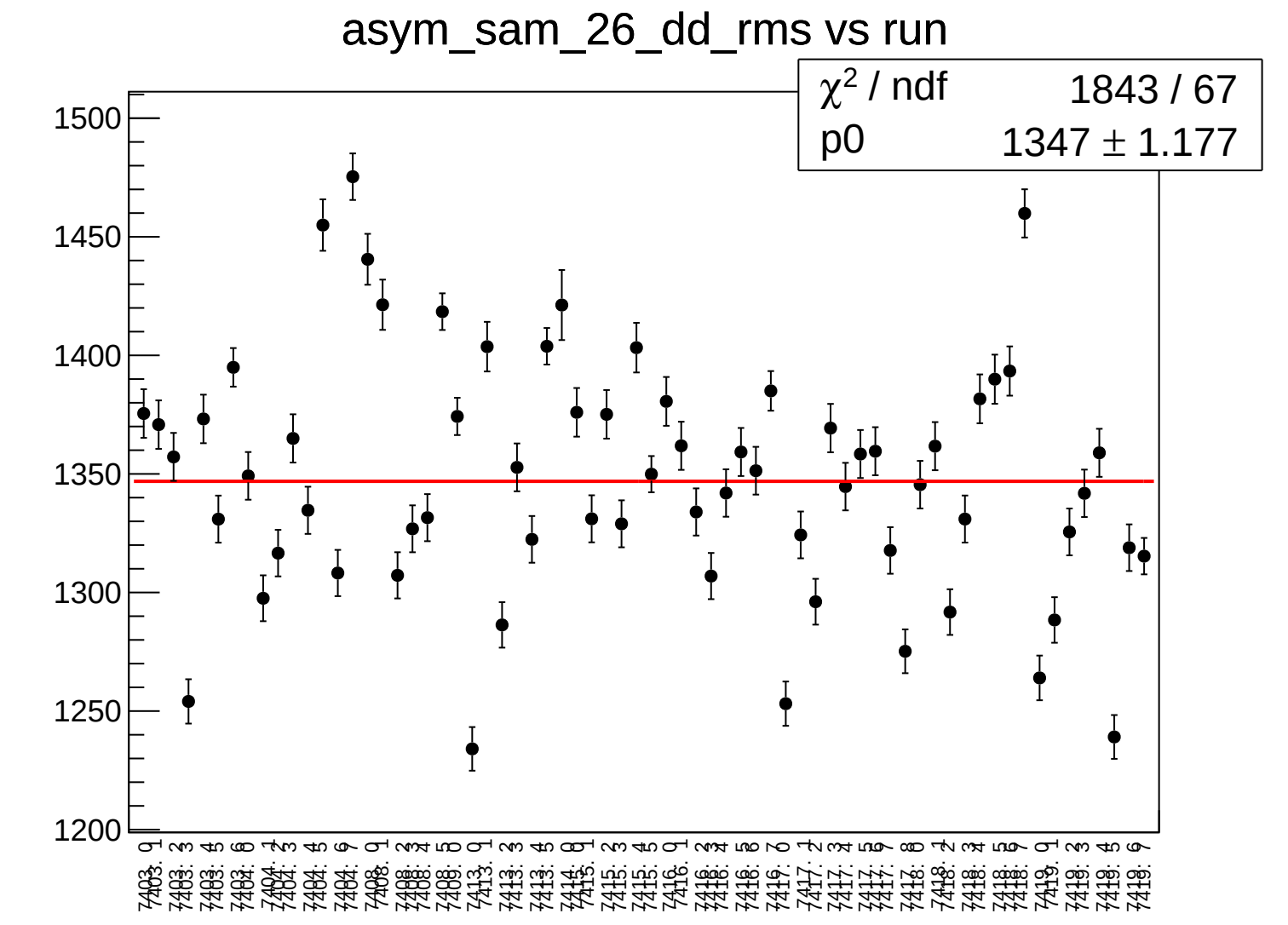

asym_sam_26_dd_correction_mean vs run
χ² / ndf 68.48 / 67
p0 −1318 ± 1687
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean 203.7
Std Dev 169.2
2
1
0
−1
−2
−3

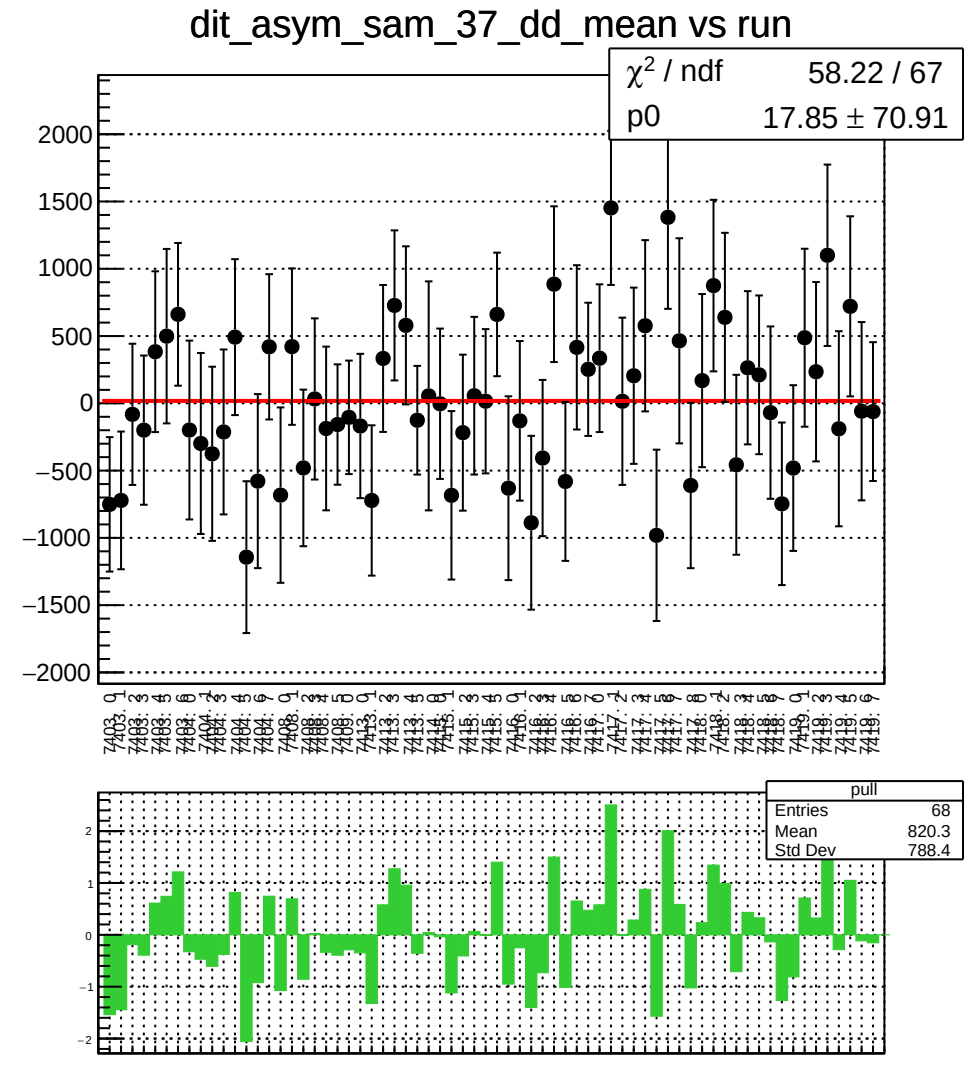

pull1D
Entries 68
Mean −0.01631
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

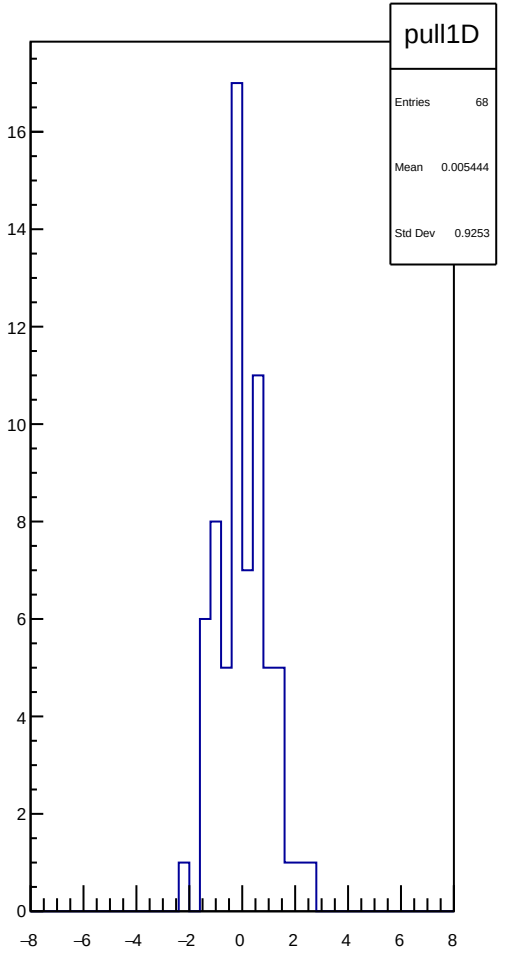

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1961 / 67
p0 1365 ± 1.193
1500
1450
1400
1350
1300
1250

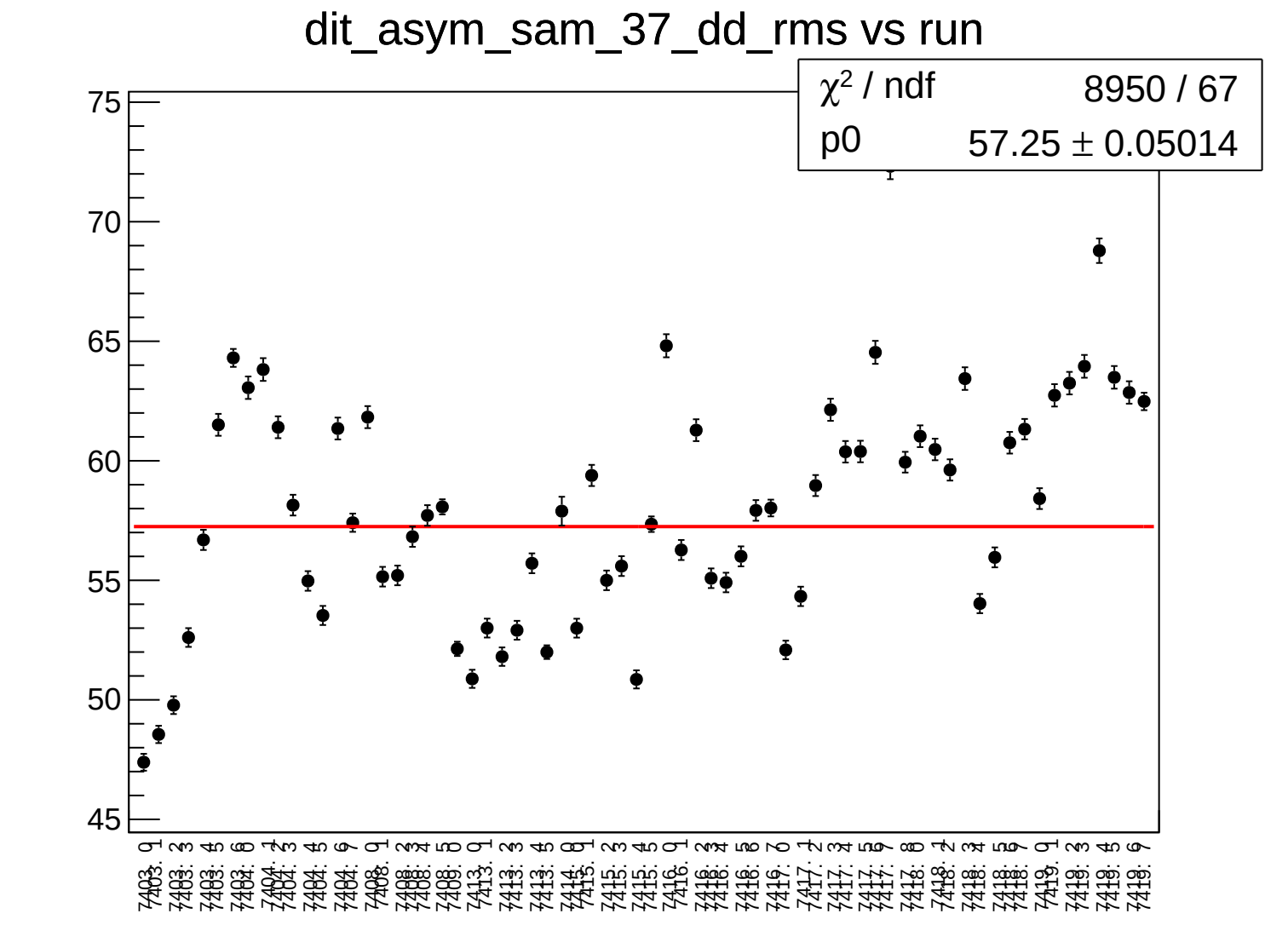

asym_sam_26_dd_mean vs run
χ² / ndf 70.1 / 67
p0 1321 ± 1664
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 68
Mean 218.5
Std Dev 184.9
3
2
1
0
−1
−2
−3

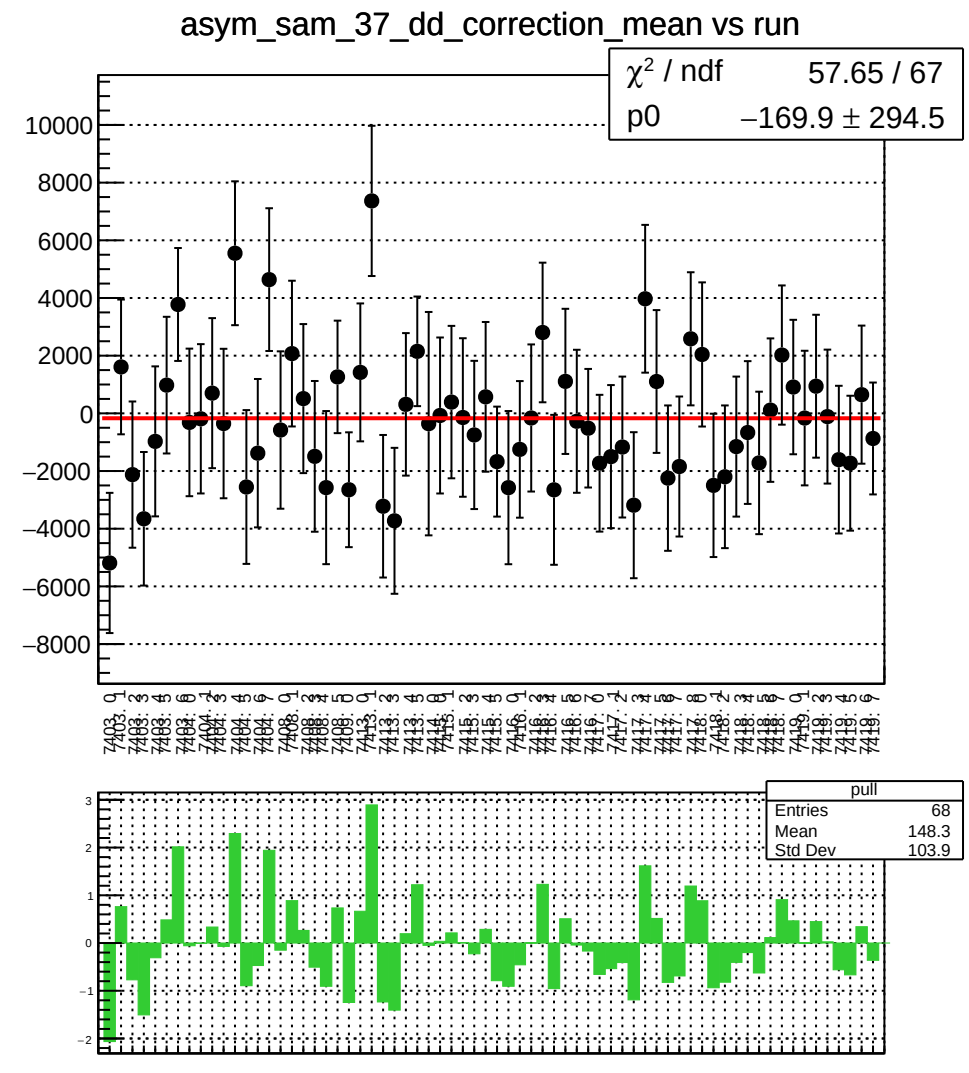

pull1D
Entries 68
Mean 0.01712
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

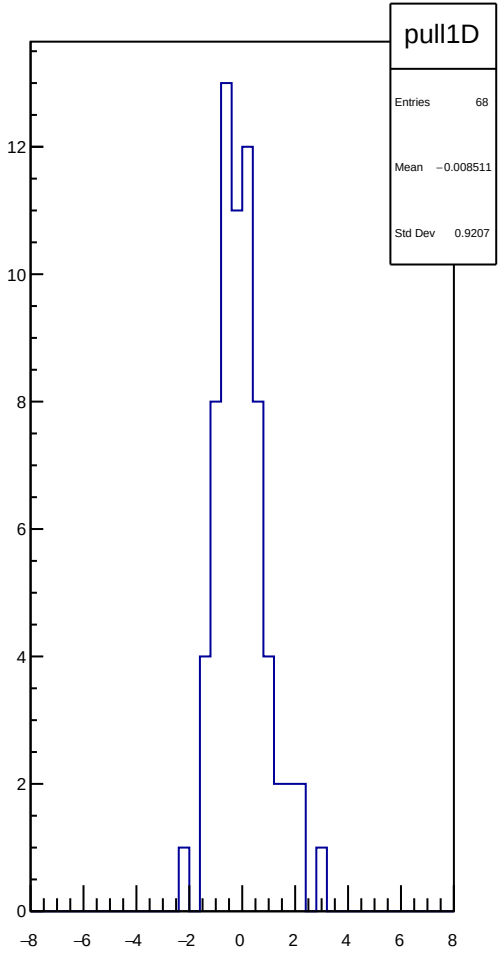

asym_sam_26_dd_rms vs run
χ² / ndf 1843 / 67
p0 1347 ± 1.177
1500
1450
1400
1350
1300
1250
1200

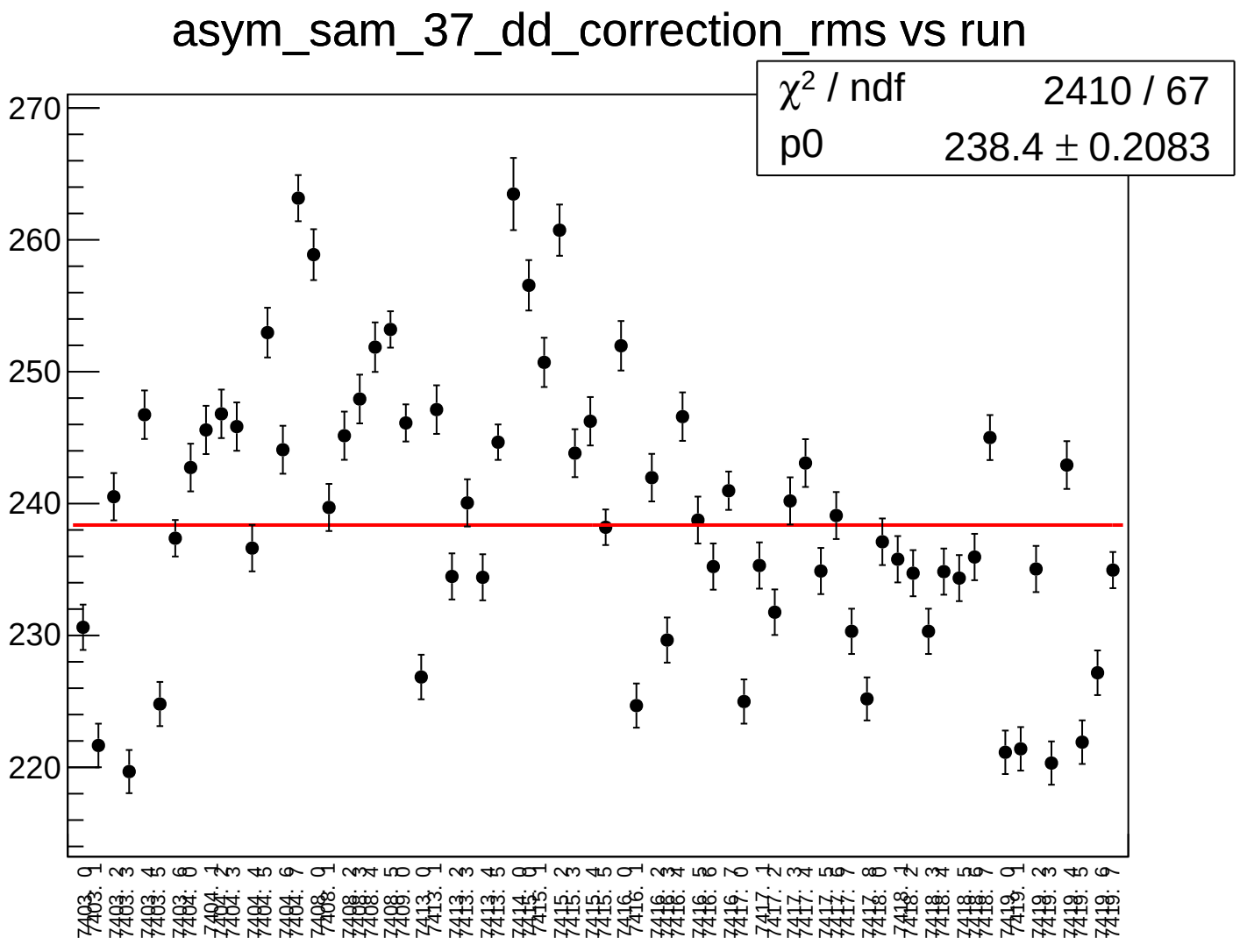

dit_asym_sam_37_dd_mean vs run
χ² / ndf 58.22 / 67
p0 17.85 ± 70.91
pull
Entries 68
Mean 820.3
Std Dev 788.4

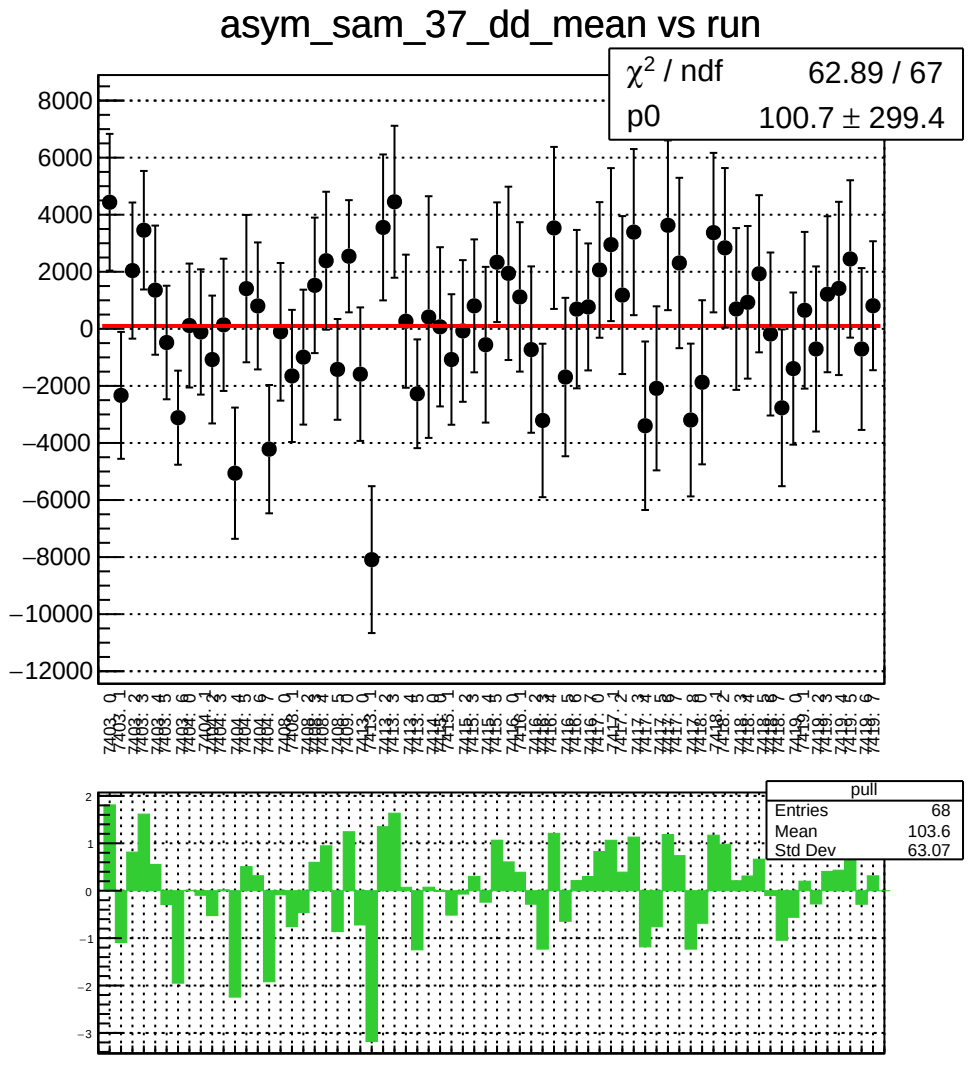

pull1D
Entries 68
Mean 0.005444
Std Dev 0.9253

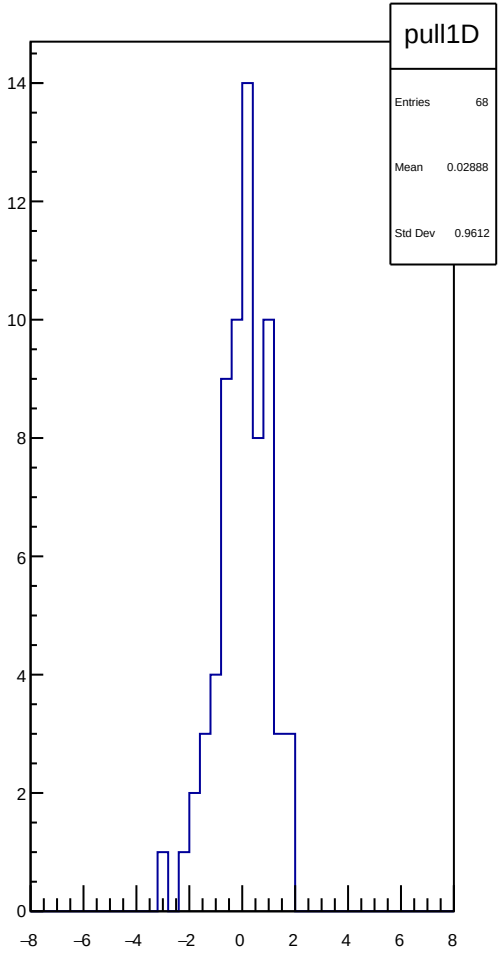

dit_asym_sam_37_dd_rms vs run
χ² / ndf 8950 / 67
p0 57.25 ± 0.05014
75
70
65
60
55
50
45

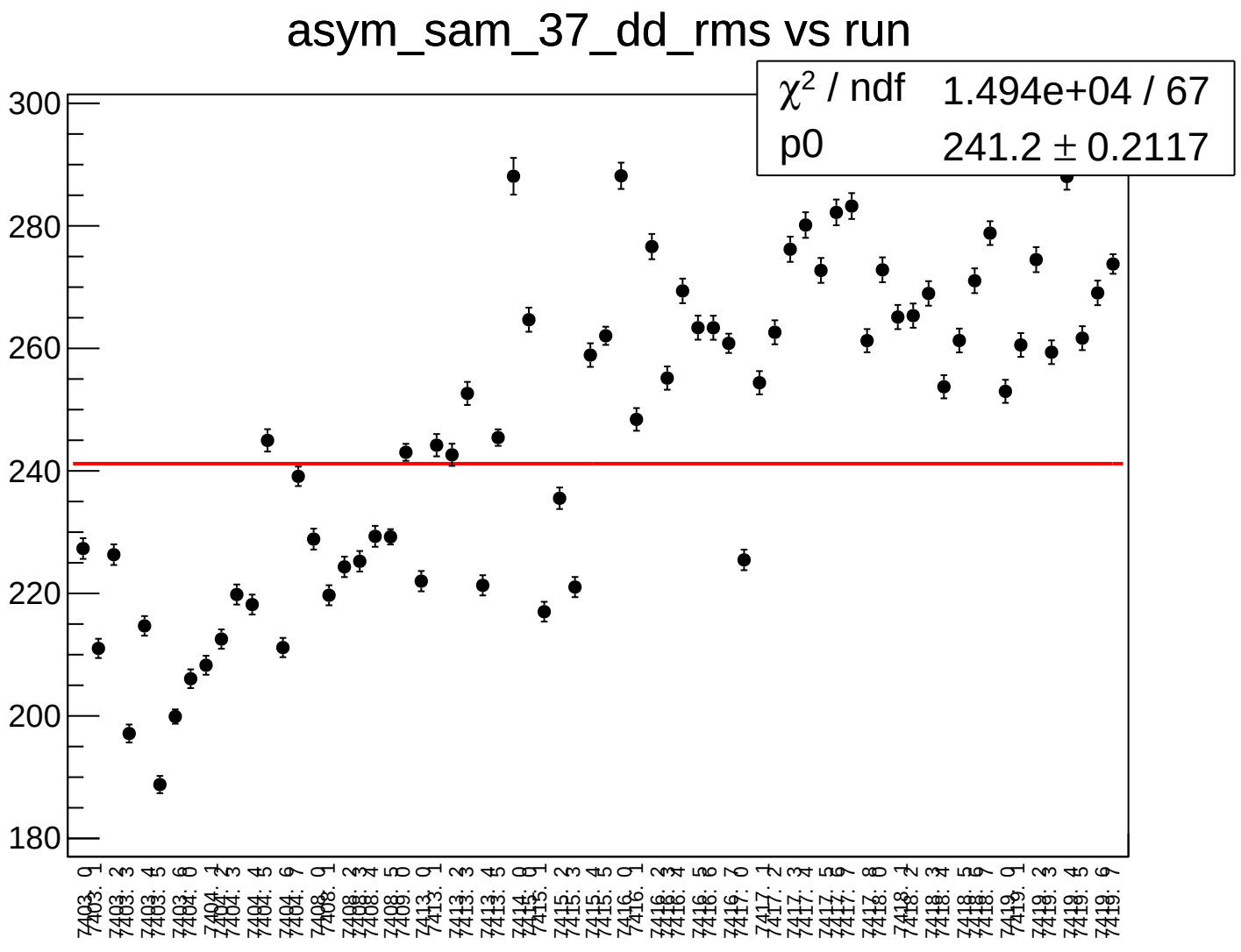

asym_sam_37_dd_correction_mean vs run
χ² / ndf 57.65 / 67
p0 −169.9 ± 294.5
pull
Entries 68
Mean 148.3
Std Dev 103.9

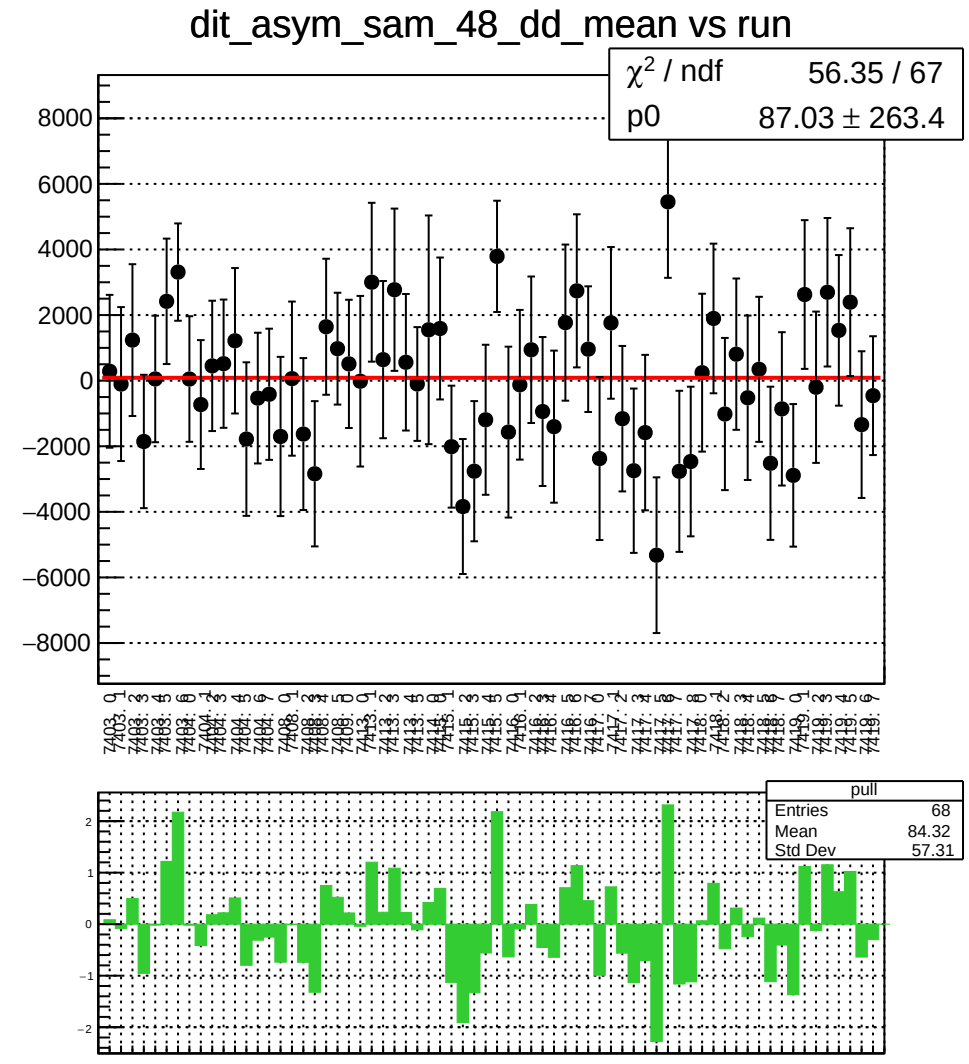

pull1D
Entries 68
Mean −0.008511
Std Dev 0.9207

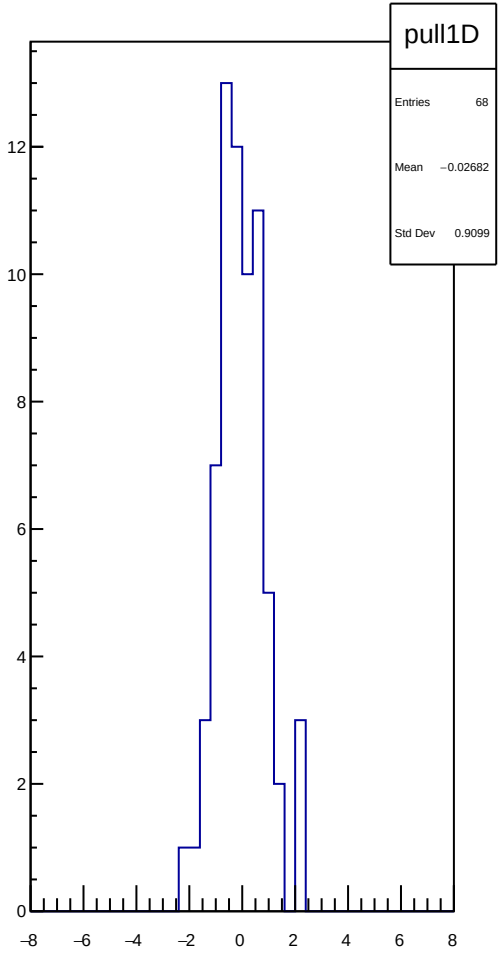

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2410 / 67
p0 238.4 ± 0.2083
270
260
250
240
230
220

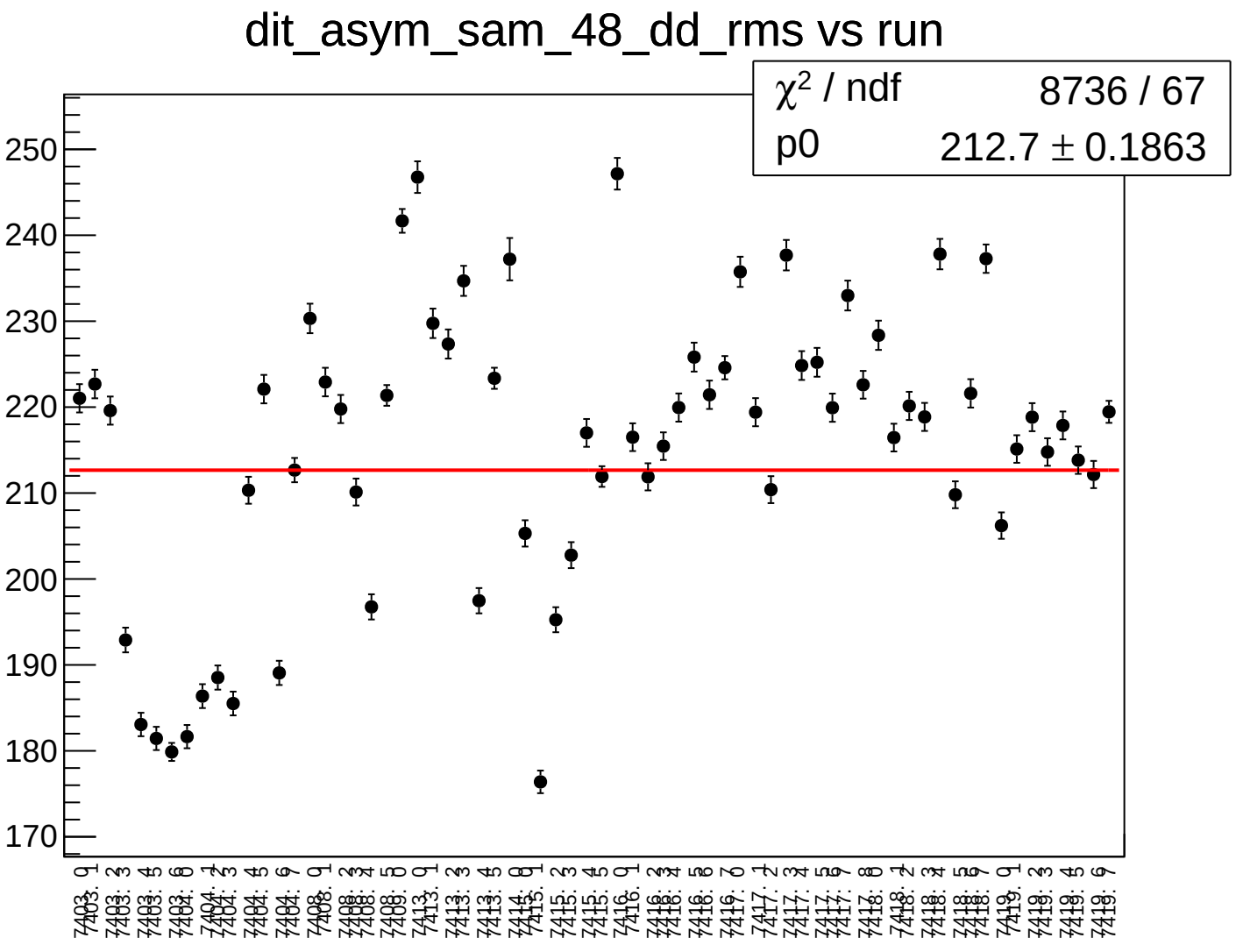

asym_sam_37_dd_mean vs run
χ² / ndf 62.89 / 67
p0 100.7 ± 299.4
pull
Entries 68
Mean 103.6
Std Dev 63.07

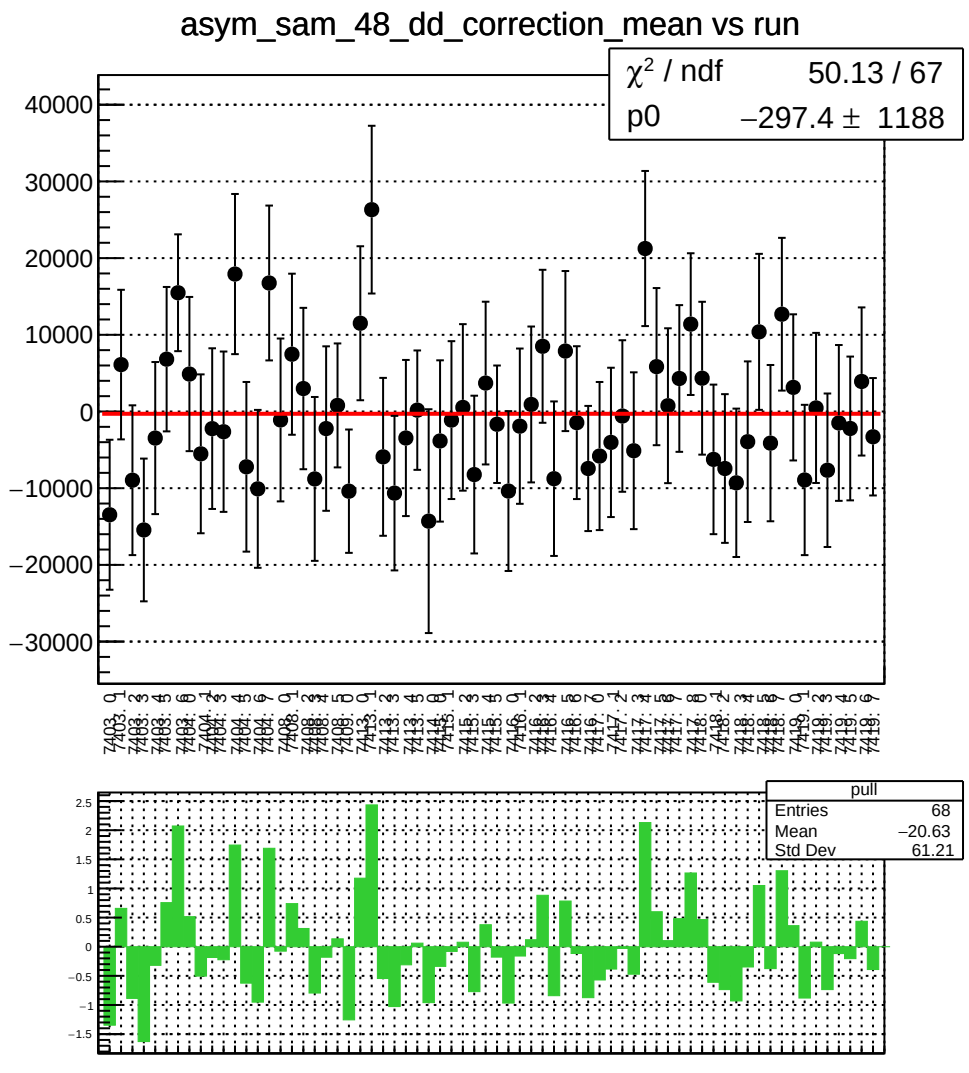

pull1D
Entries 68
Mean 0.02888
Std Dev 0.9612

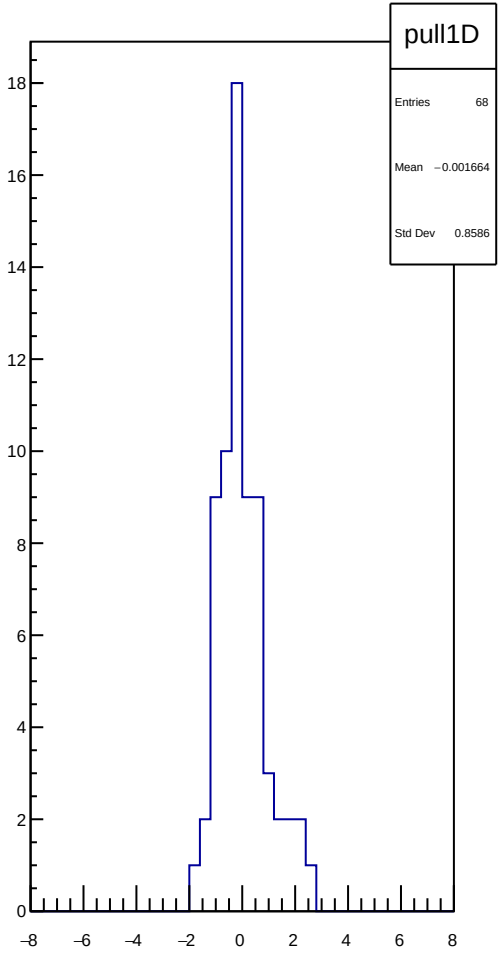

asym_sam_37_dd_rms vs run
χ² / ndf 1.494e+04 / 67
p0 241.2 ± 0.2117
300
280
260
240
220
200
180

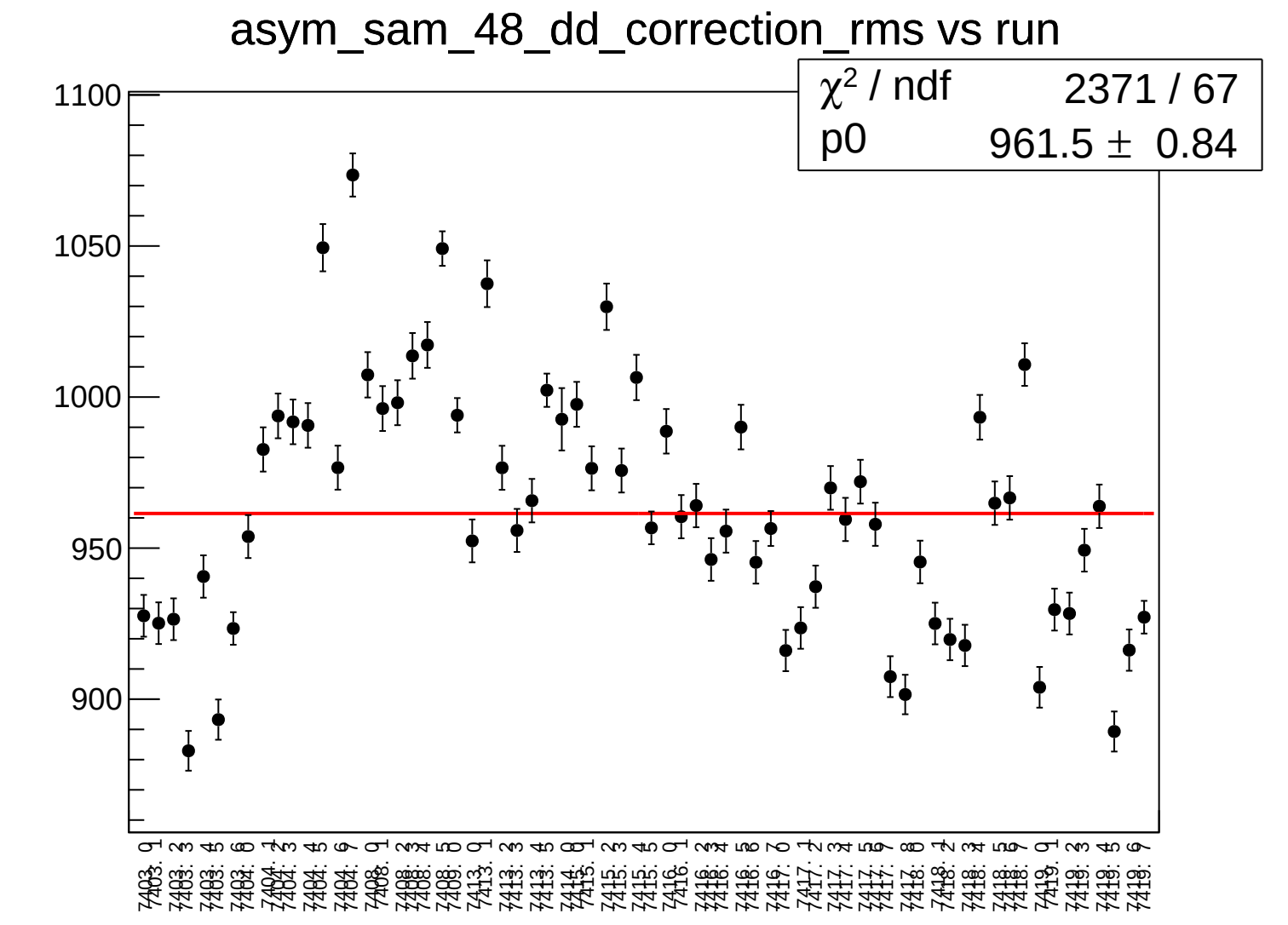

dit_asym_sam_48_dd_mean vs run
χ² / ndf 56.35 / 67
p0 87.03 ± 263.4
pull
Entries 68
Mean 84.32
Std Dev 57.31

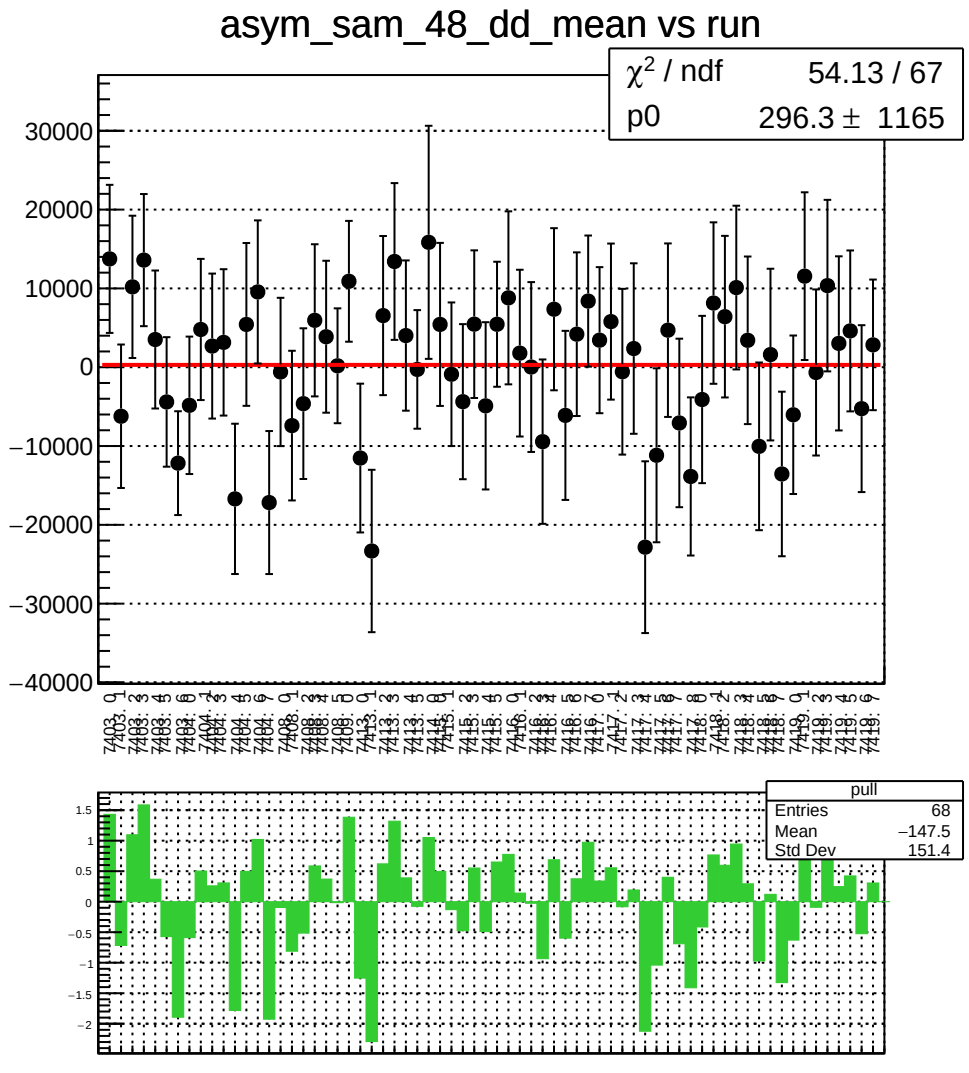

pull1D
Entries 68
Mean −0.02682
Std Dev 0.9099

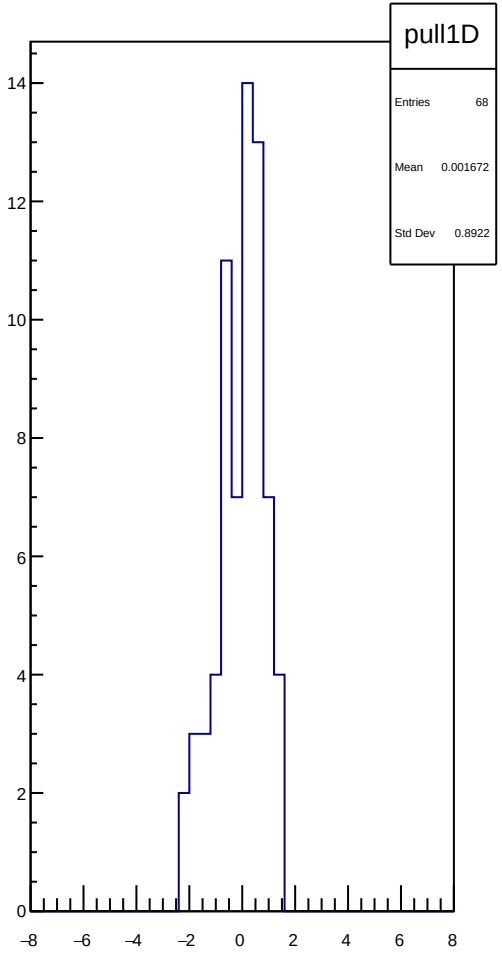

dit_asym_sam_48_dd_rms vs run
χ² / ndf 8736 / 67
p0 212.7 ± 0.1863
250
240
230
220
210
200
190
180
170

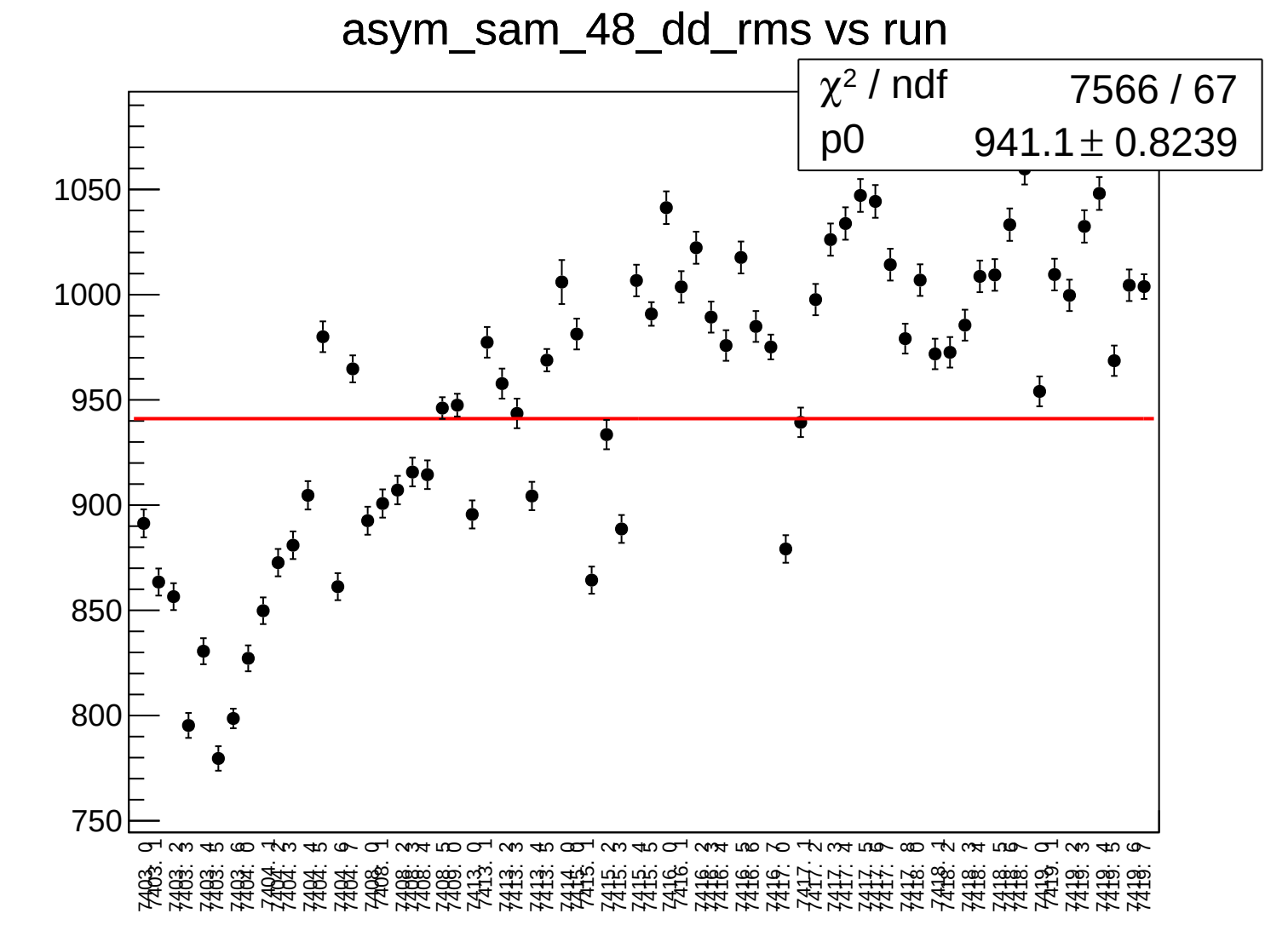

asym_sam_48_dd_correction_mean vs run
χ² / ndf 50.13 / 67
p0 −297.4 ± 1188
pull
Entries 68
Mean −20.63
Std Dev 61.21

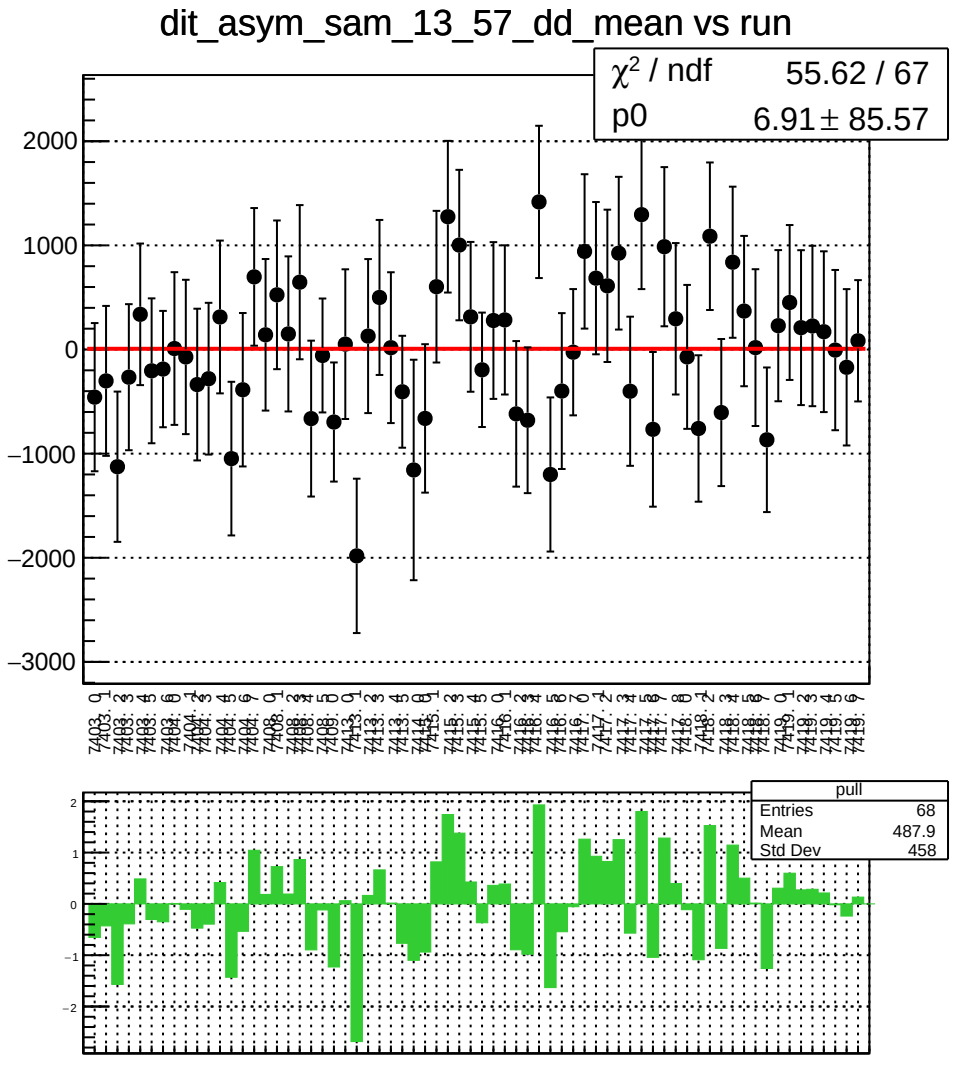

pull1D
Entries 68
Mean −0.001664
Std Dev 0.8586

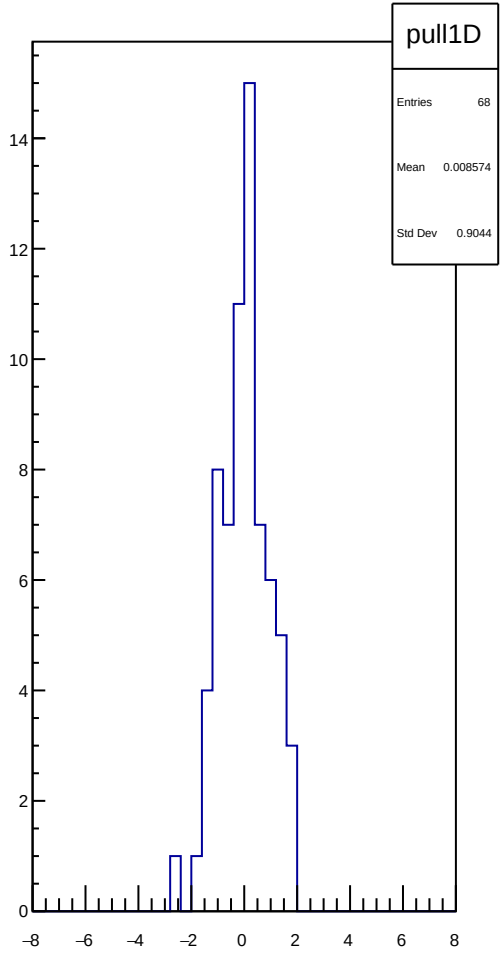

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2371 / 67
p0 961.5 ± 0.84
1100
1050
1000
950
900

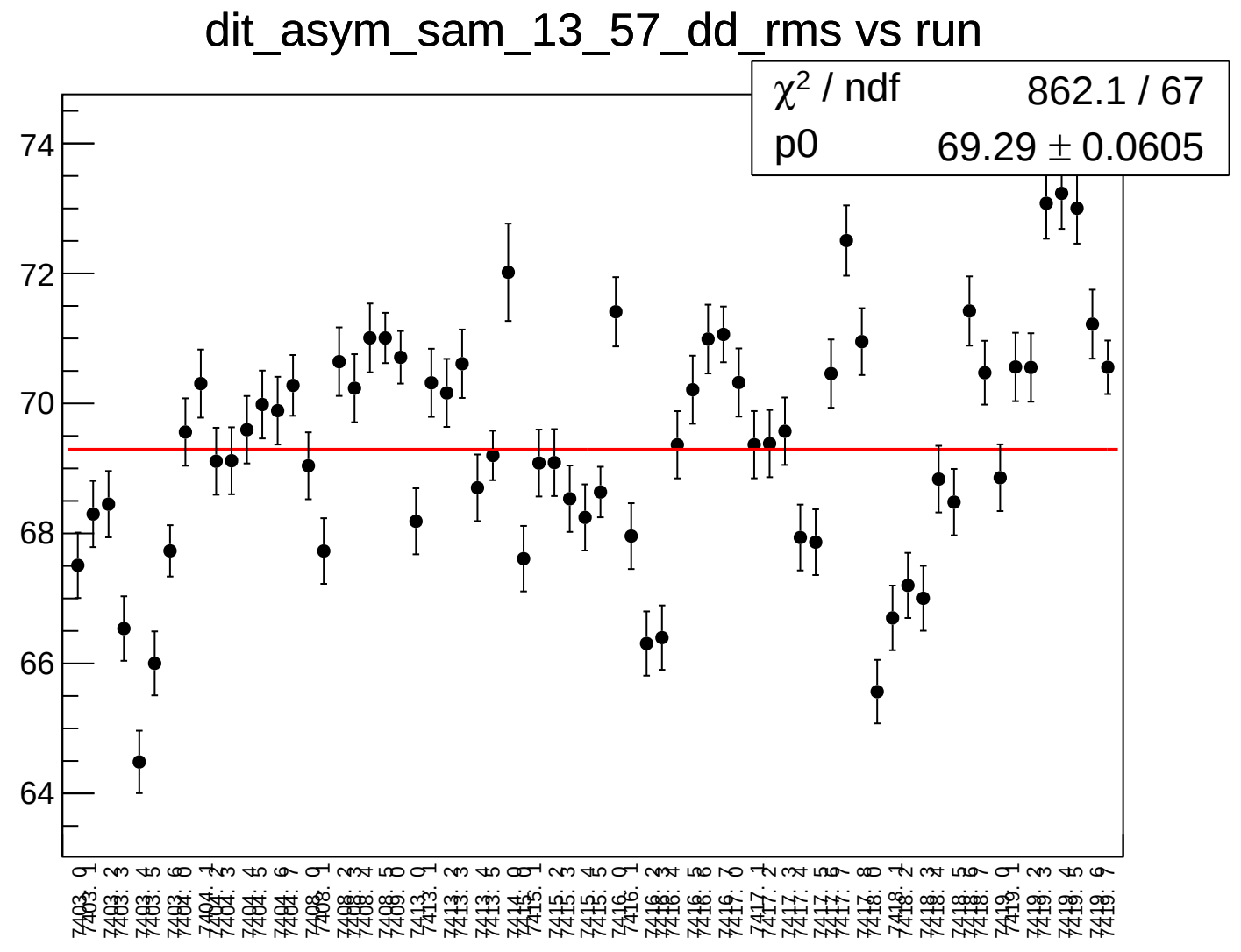

asym_sam_48_dd_mean vs run
χ² / ndf 54.13 / 67
p0 296.3 ± 1165
pull
Entries 68
Mean −147.5
Std Dev 151.4

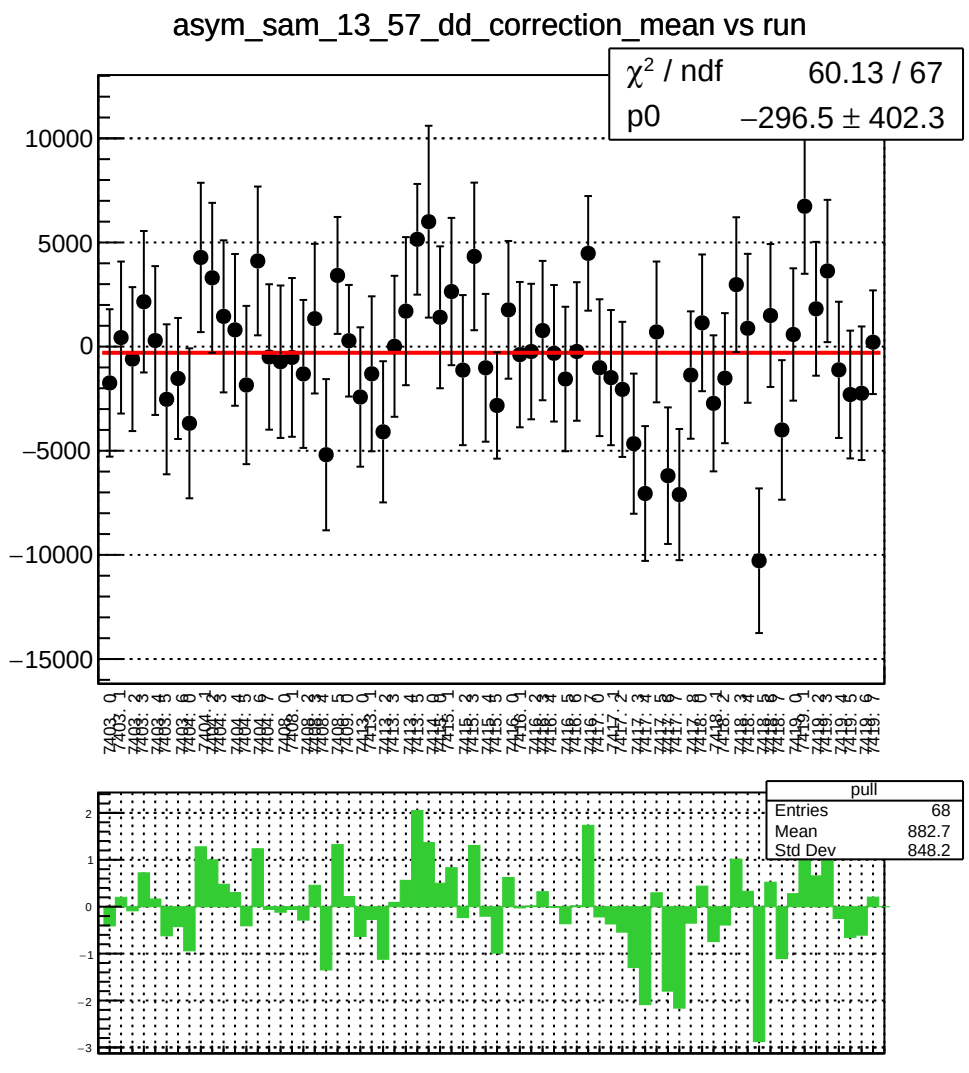

pull1D
Entries 68
Mean 0.001672
Std Dev 0.8922

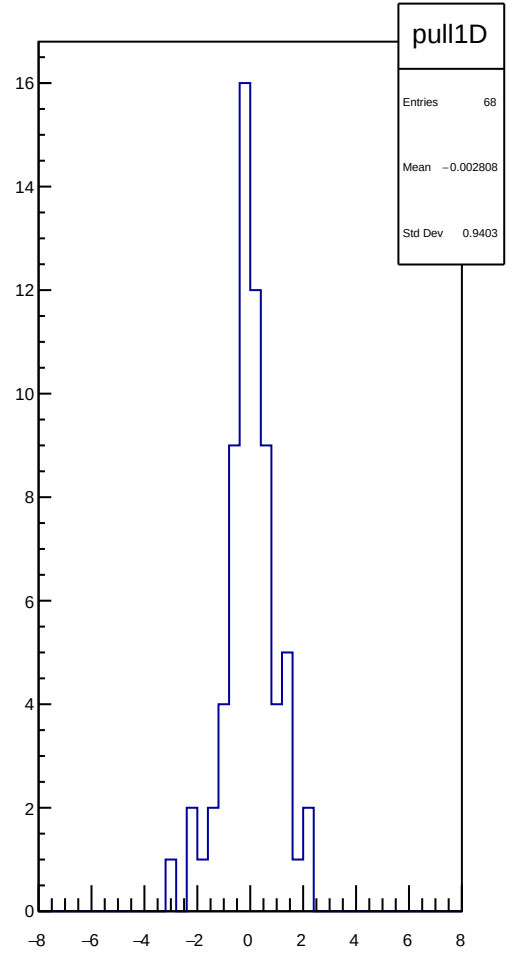

asym_sam_48_dd_rms vs run
χ² / ndf 7566 / 67
p0 941.1 ± 0.8239
1050
1000
950
900
850
800
750

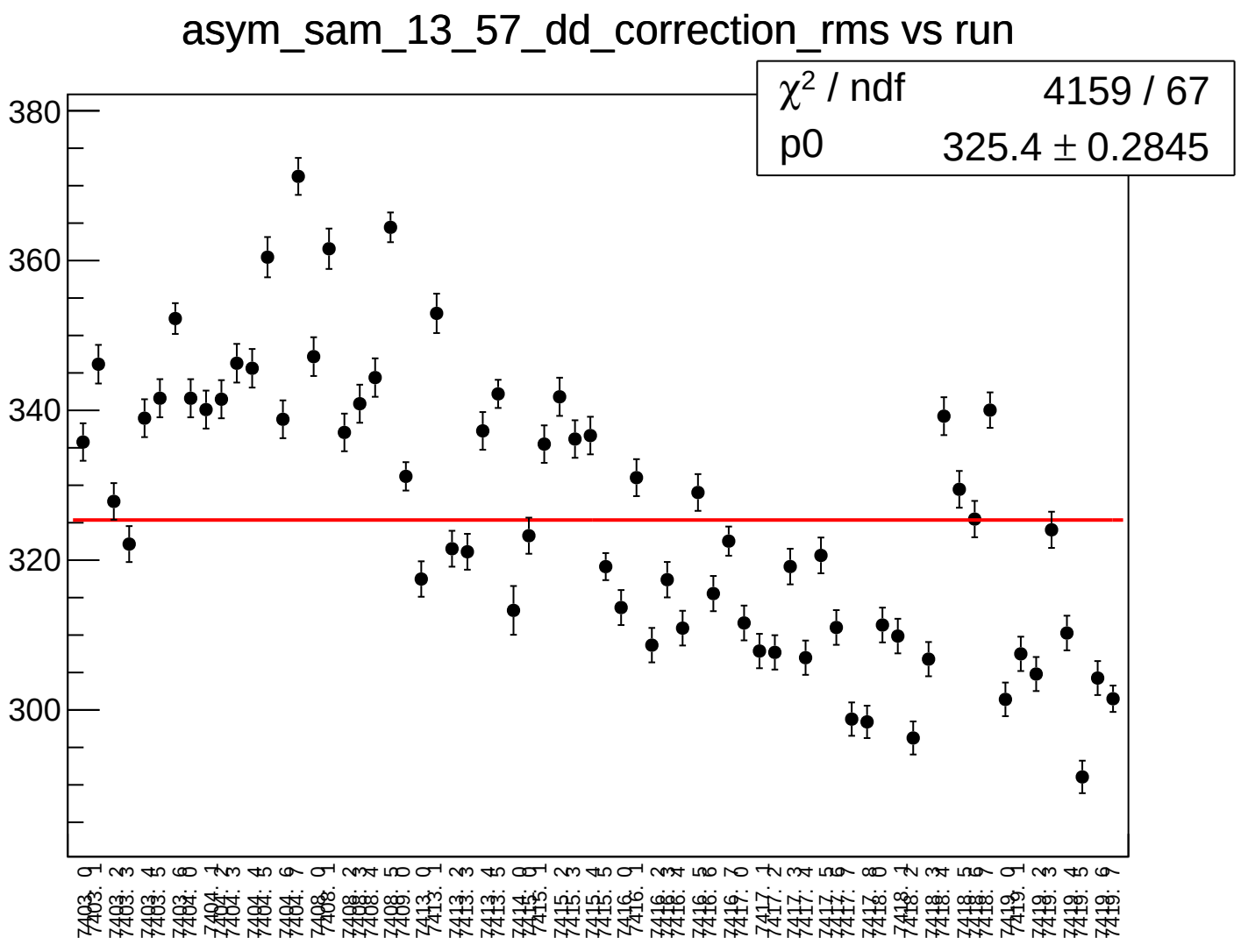

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 55.62 / 67
p0 6.91 ± 85.57
pull
Entries 68
Mean 487.9
Std Dev 458

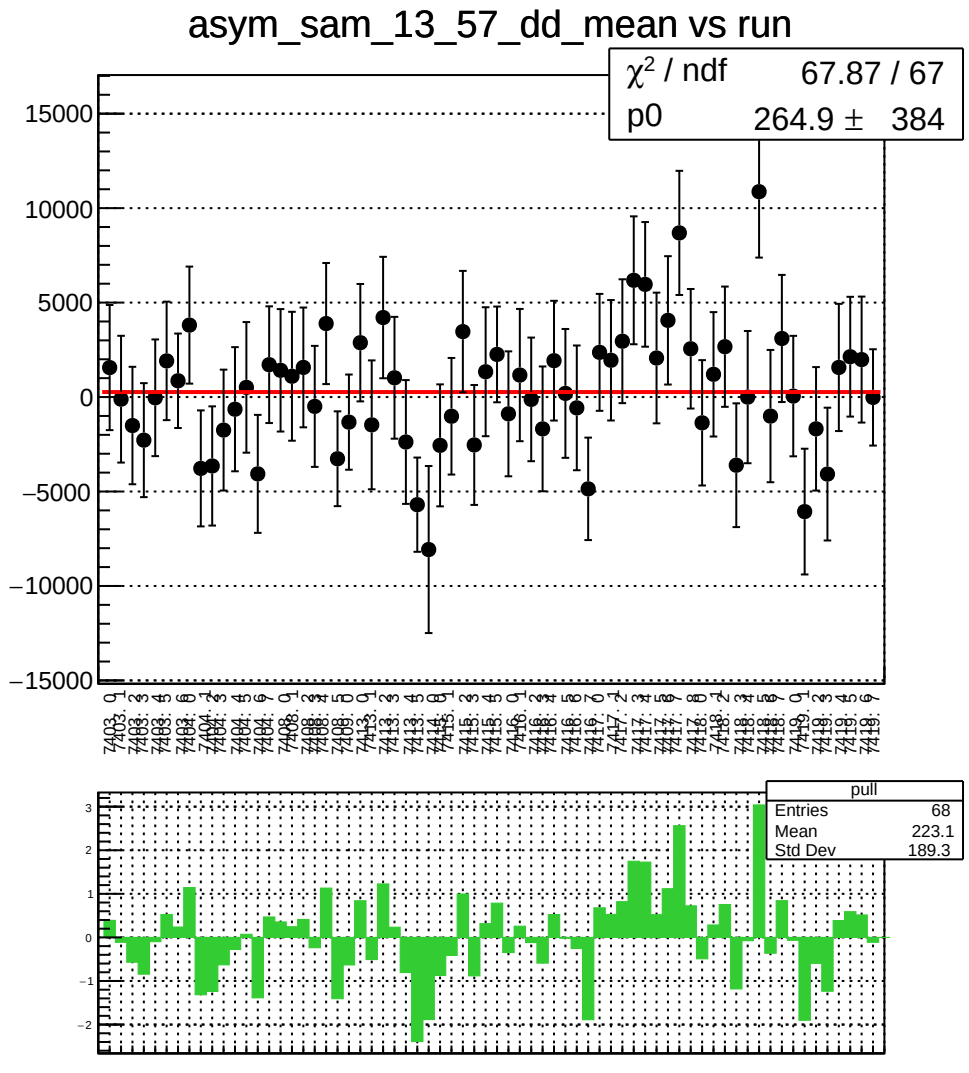

pull1D
Entries 68
Mean 0.008574
Std Dev 0.9044

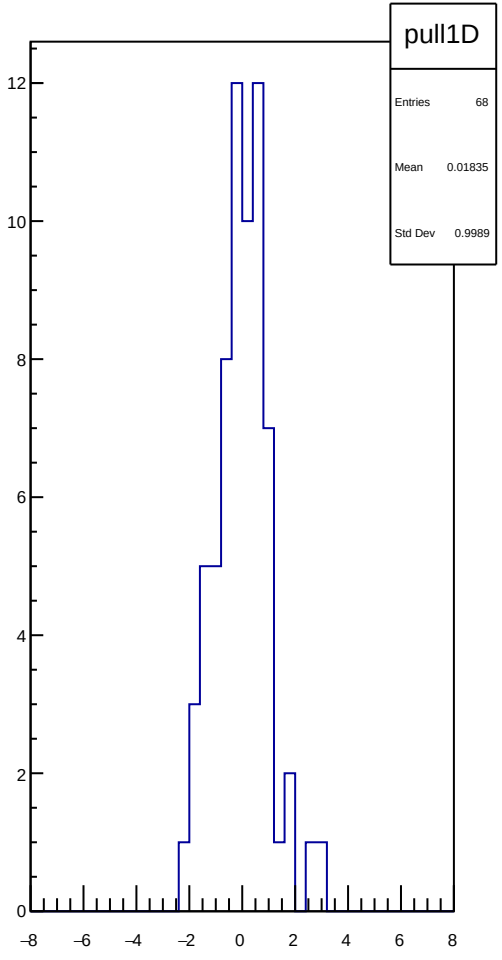

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 862.1 / 67
p0 69.29 ± 0.0605
74
72
70
68
66
64

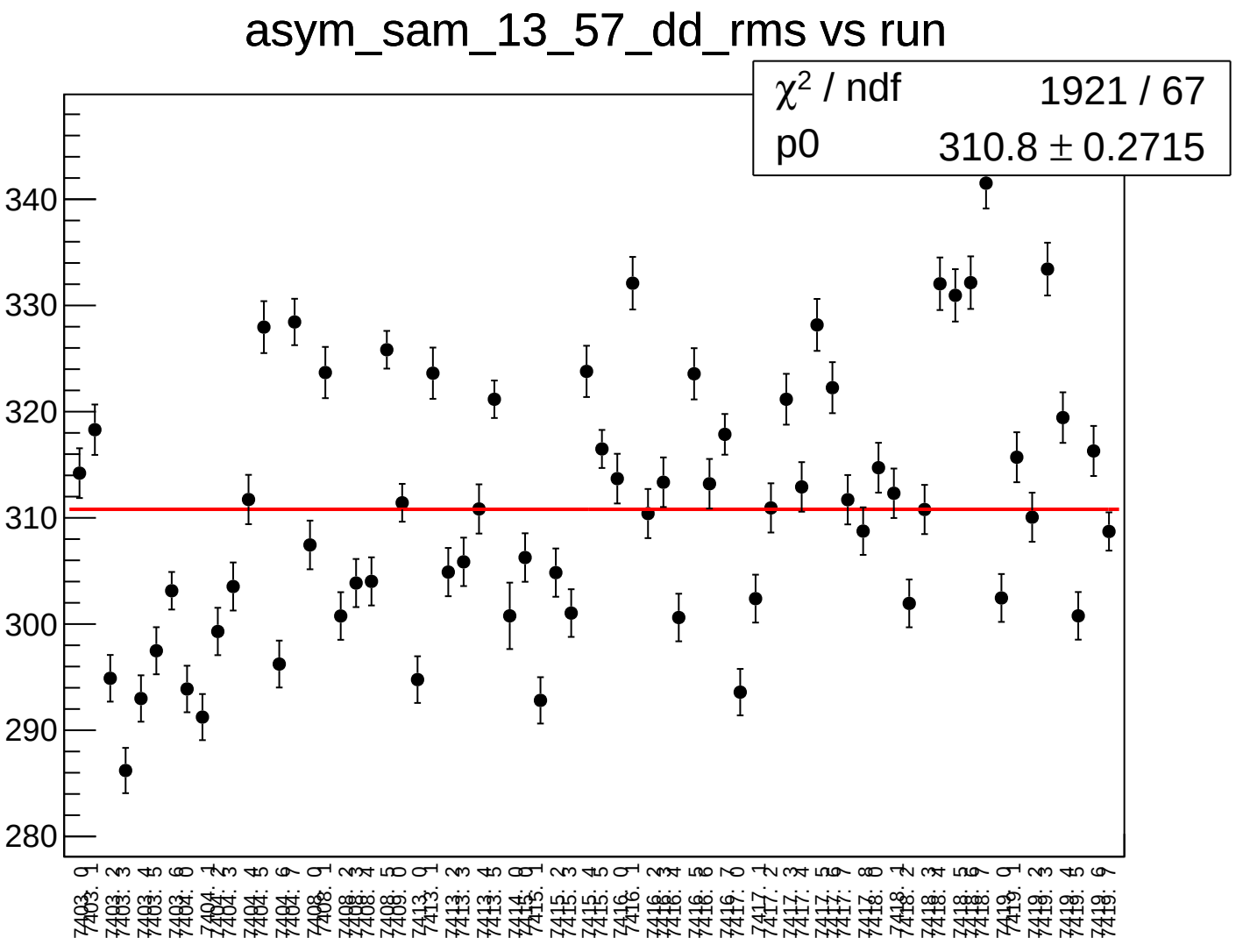

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 60.13 / 67
p0 −296.5 ± 402.3
pull
Entries 68
Mean 882.7
Std Dev 848.2

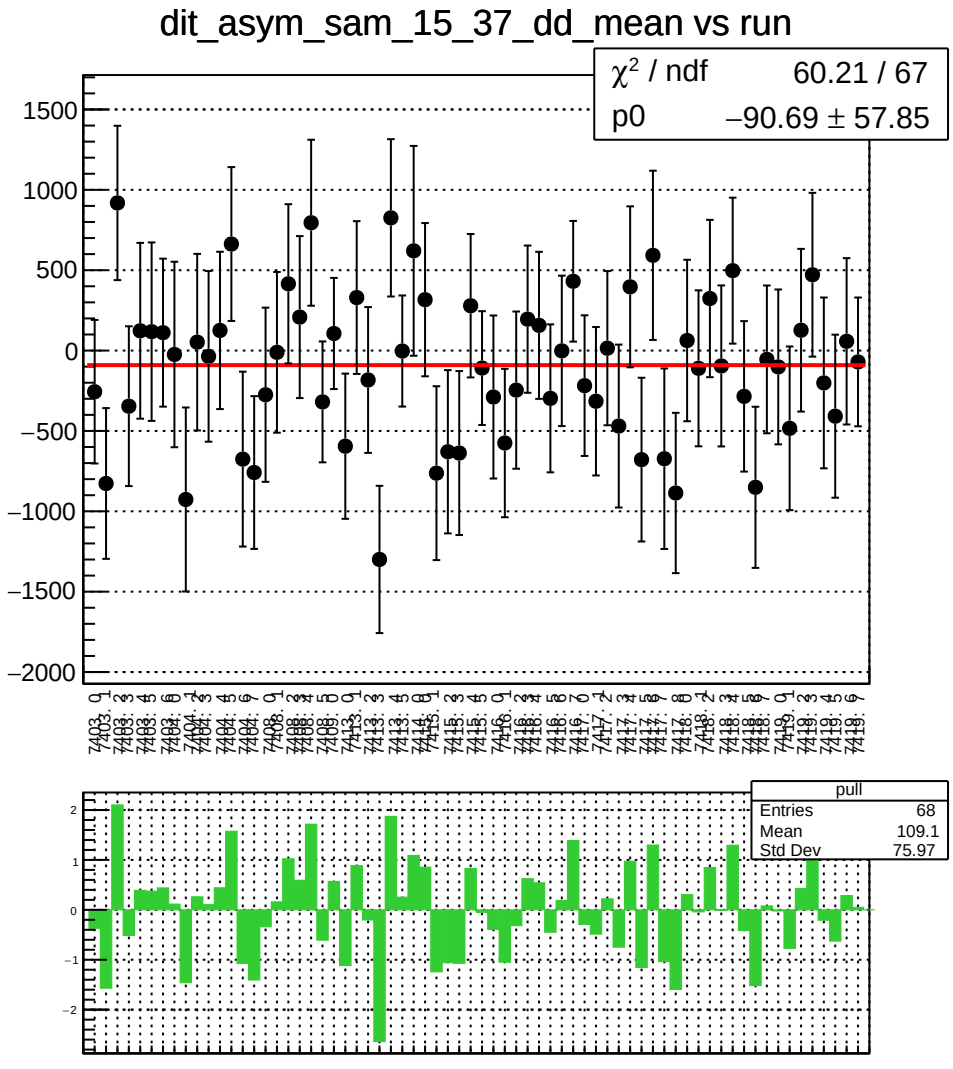

pull1D
Entries 68
Mean −0.002808
Std Dev 0.9403

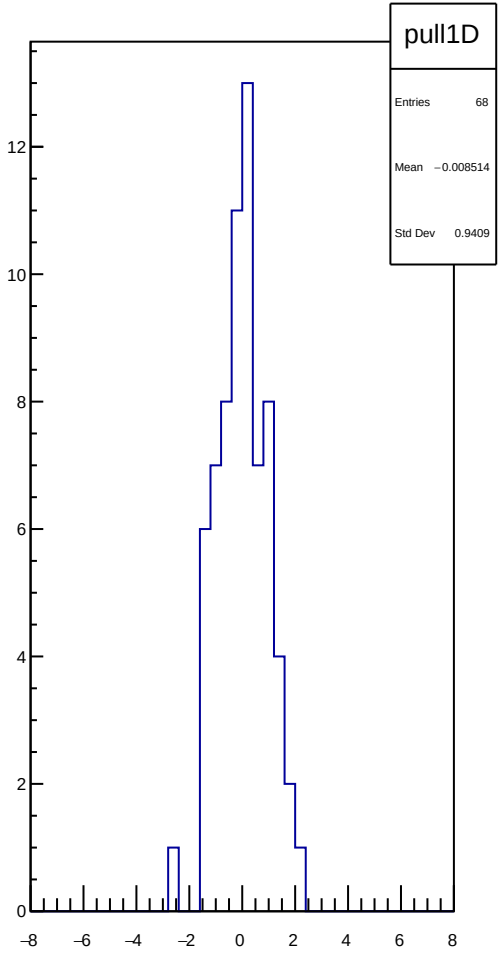

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 4159 / 67
p0 325.4 ± 0.2845
380
360
340
320
300

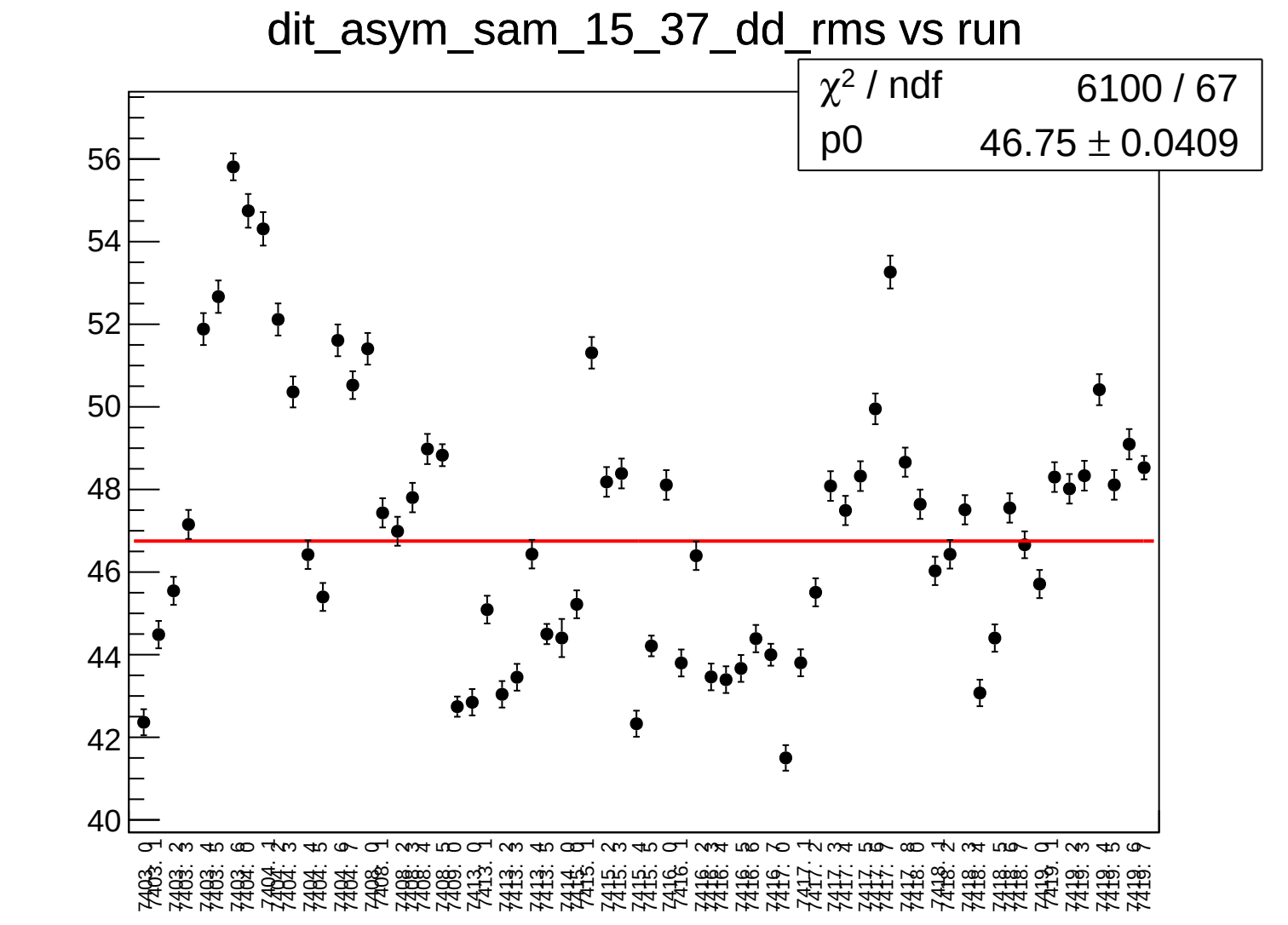

asym_sam_13_57_dd_mean vs run
χ² / ndf 67.87 / 67
p0 264.9 ± 384
pull
Entries 68
Mean 223.1
Std Dev 189.3

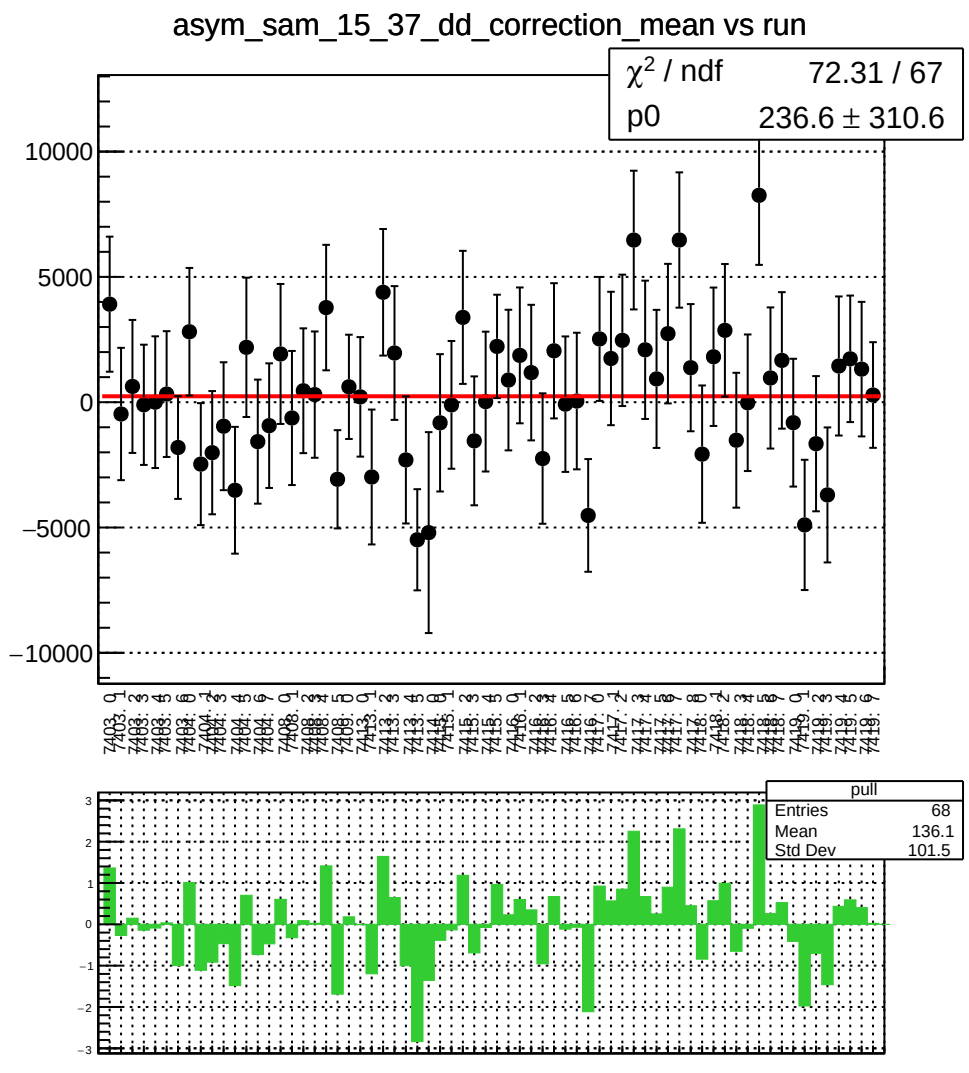

pull1D
Entries 68
Mean 0.01835
Std Dev 0.9989

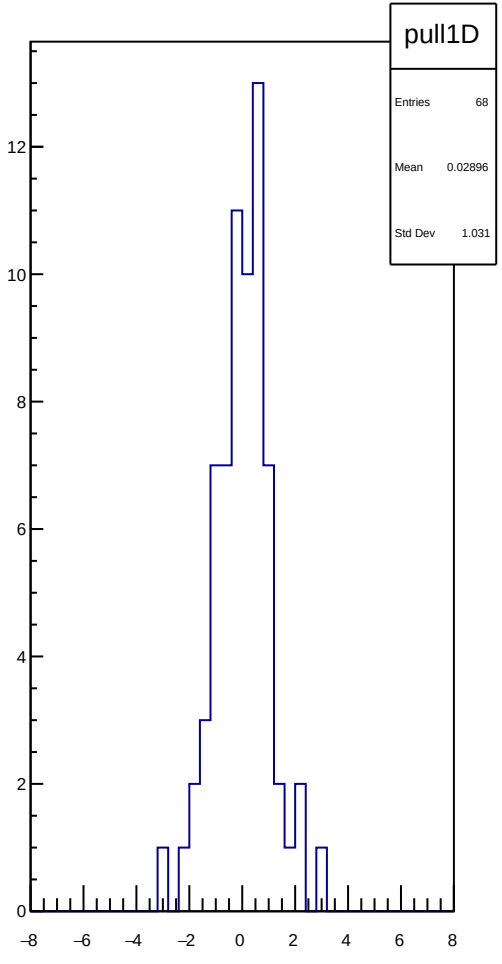

asym_sam_13_57_dd_rms vs run
χ² / ndf 1921 / 67
p0 310.8 ± 0.2715
340
330
320
310
300
290
280

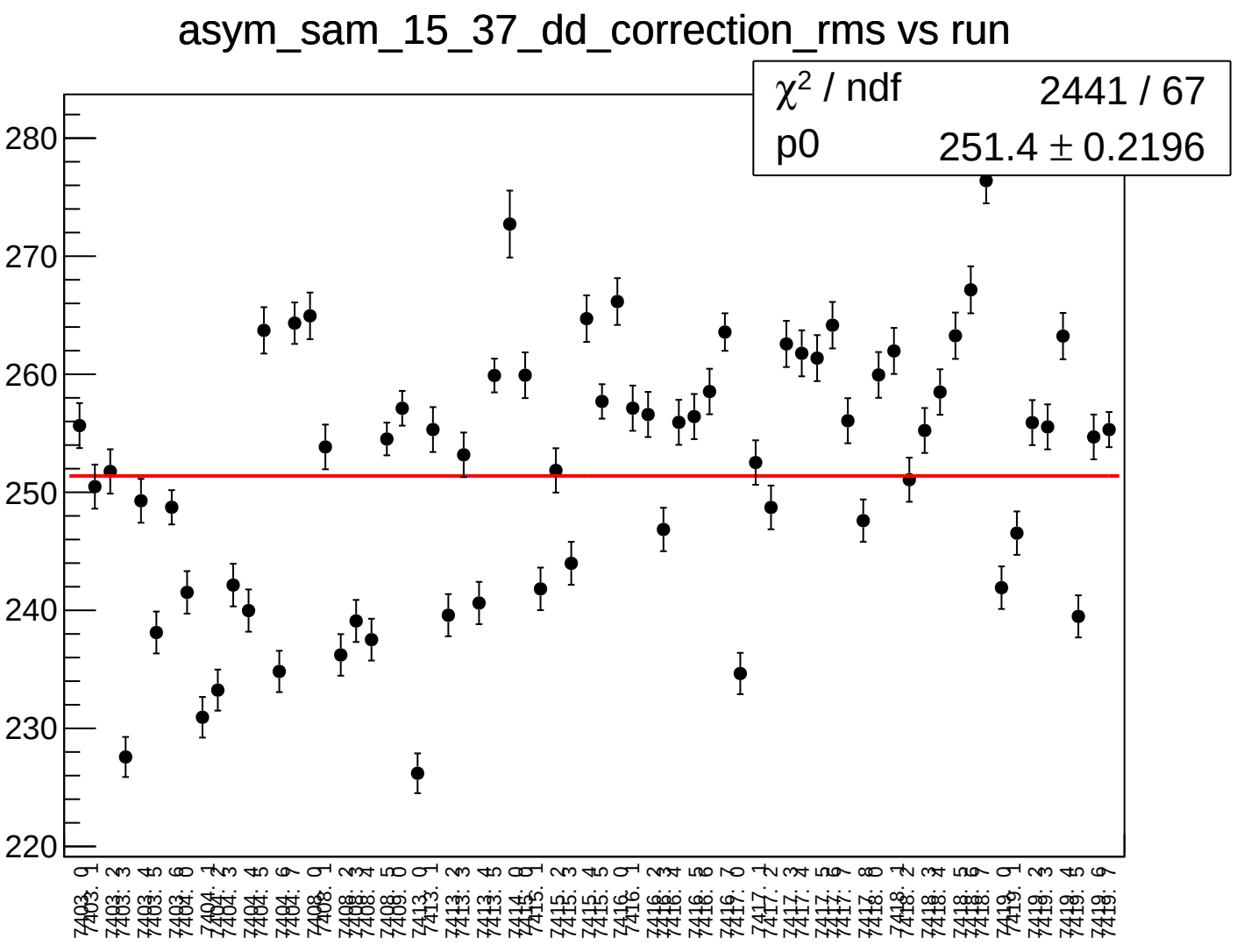

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 60.21 / 67
p0 −90.69 ± 57.85
pull
Entries 68
Mean 109.1
Std Dev 75.97

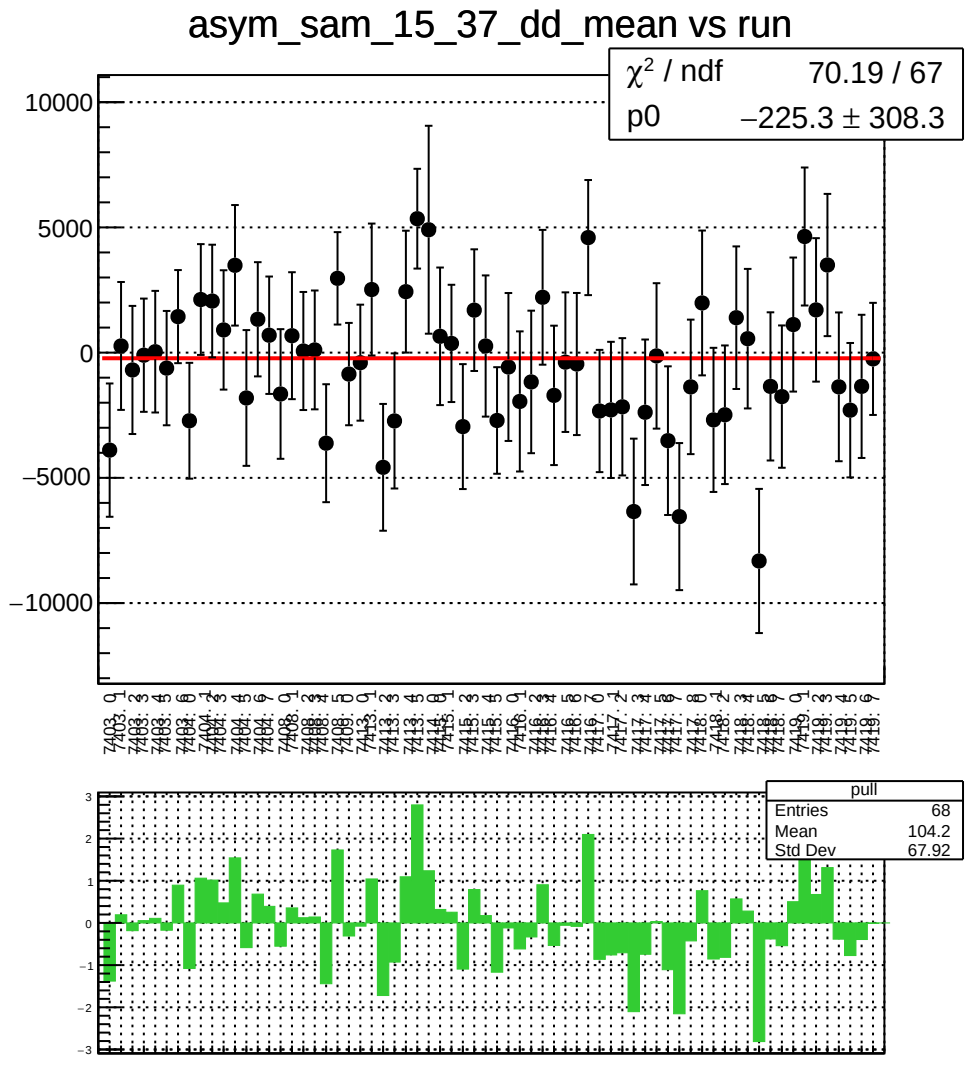

pull1D
Entries 68
Mean −0.008514
Std Dev 0.9409

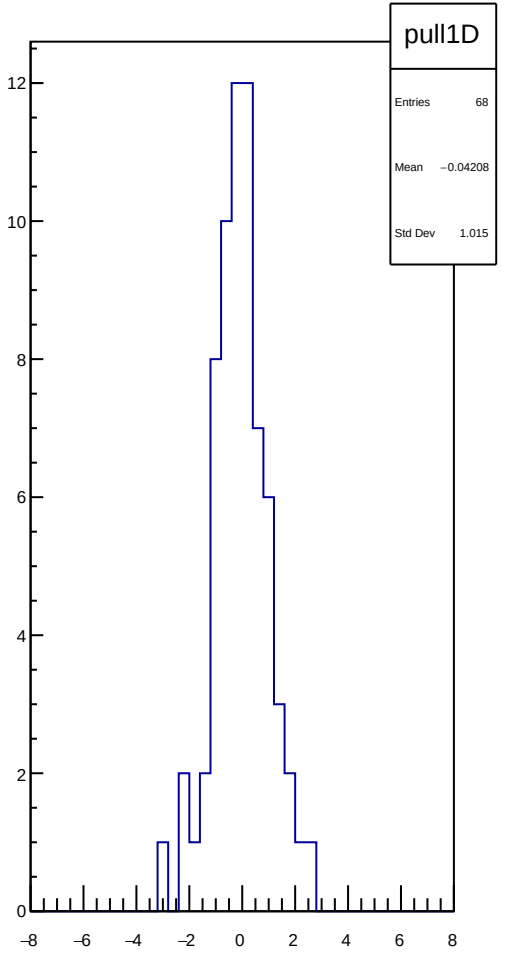

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6100 / 67
p0 46.75 ± 0.0409
56
54
52
50
48
46
44
42
40

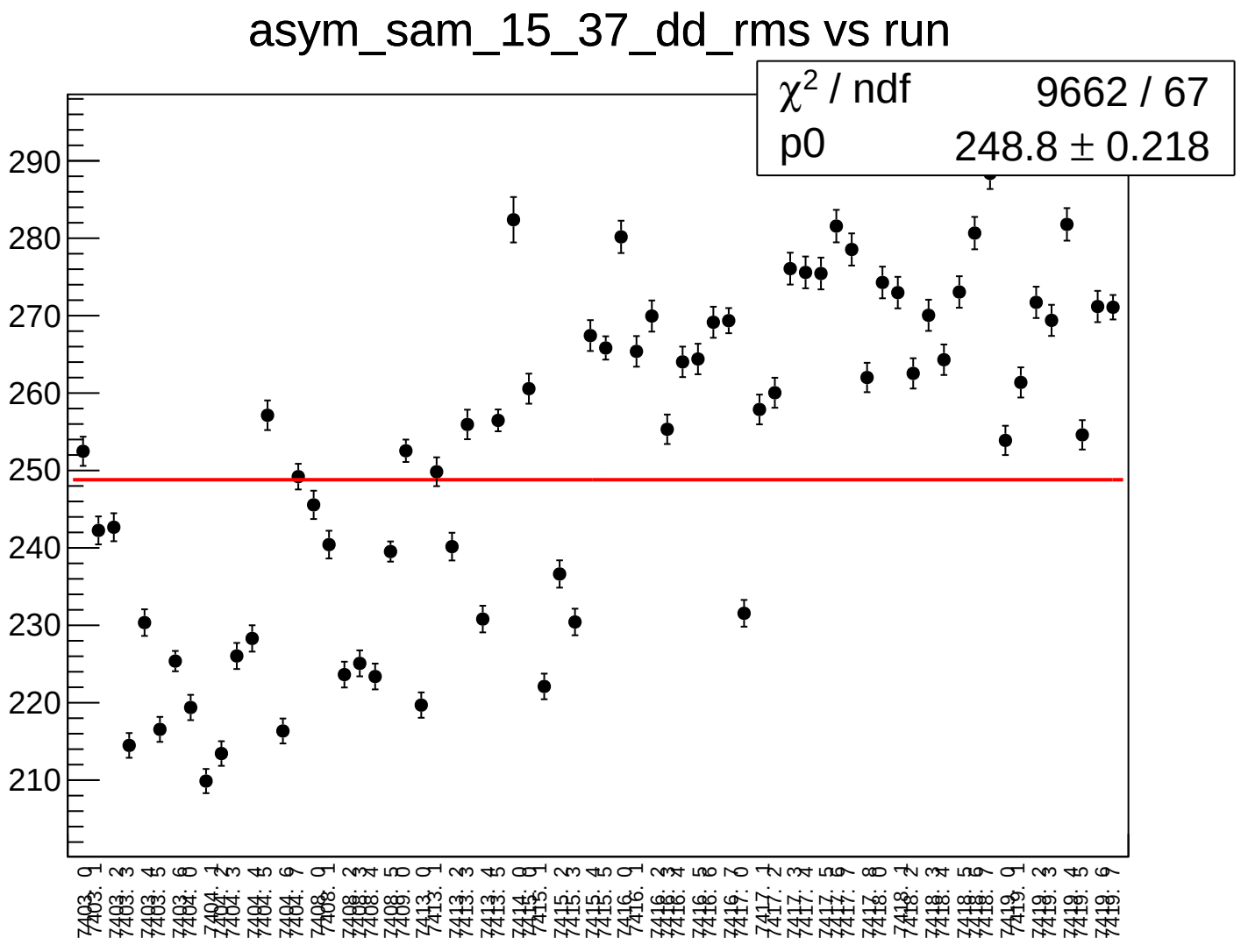

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 72.31 / 67
p0 236.6 ± 310.6
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 136.1
Std Dev 101.5
3
2
1
0
−1
−2
−3

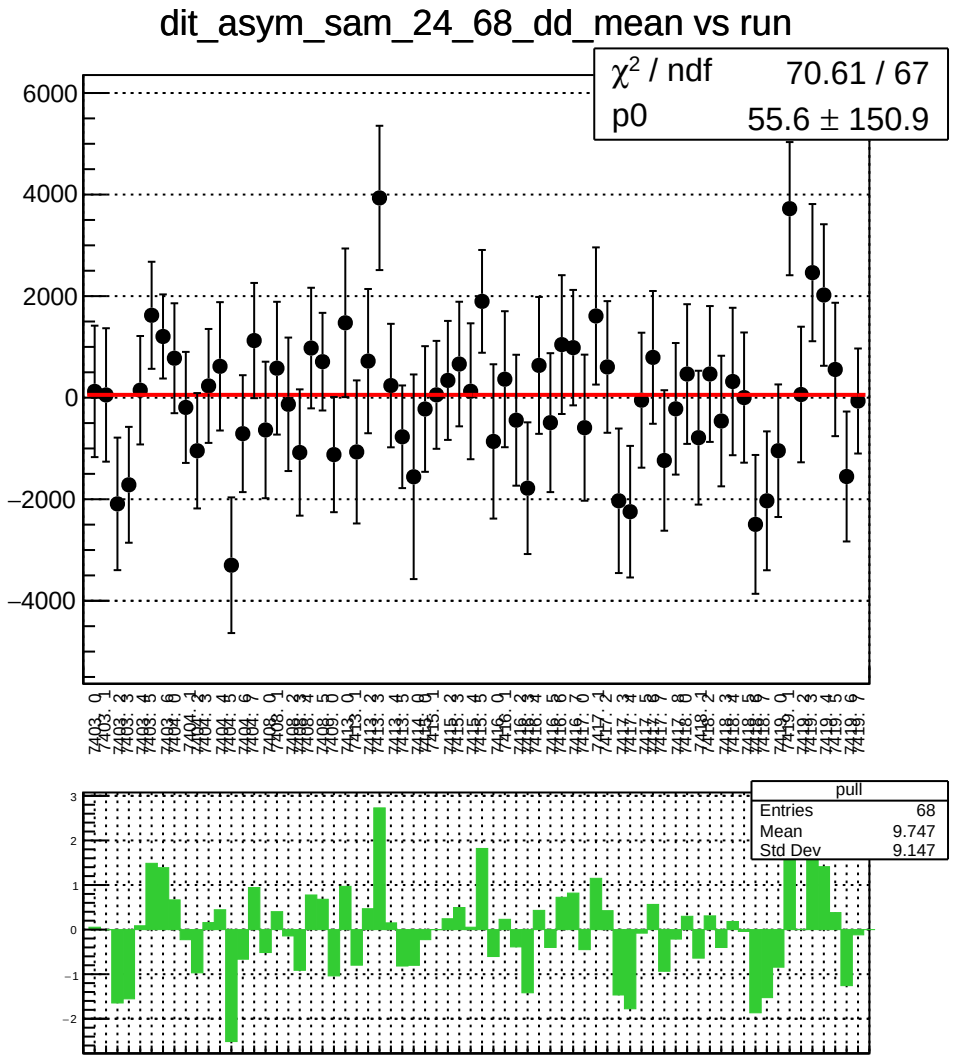

pull1D
Entries 68
Mean 0.02896
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

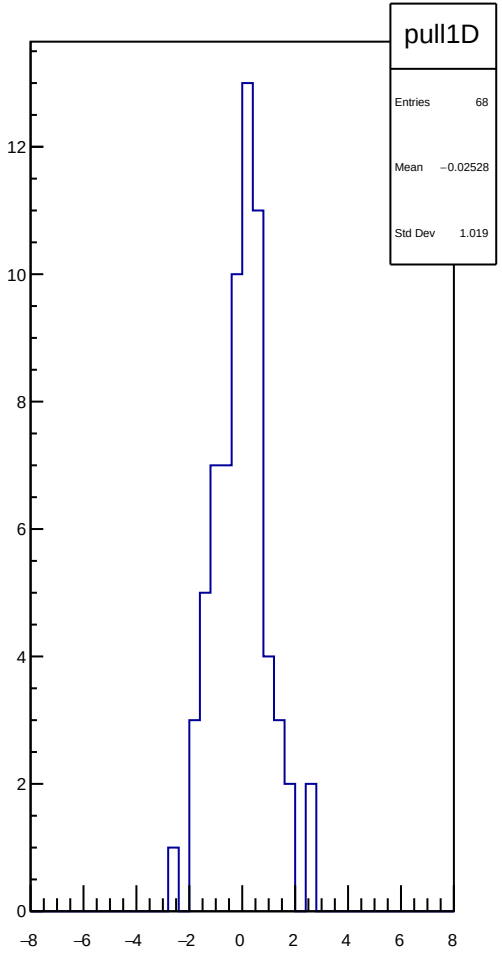

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2441 / 67
p0 251.4 ± 0.2196
280
270
260
250
240
230
220

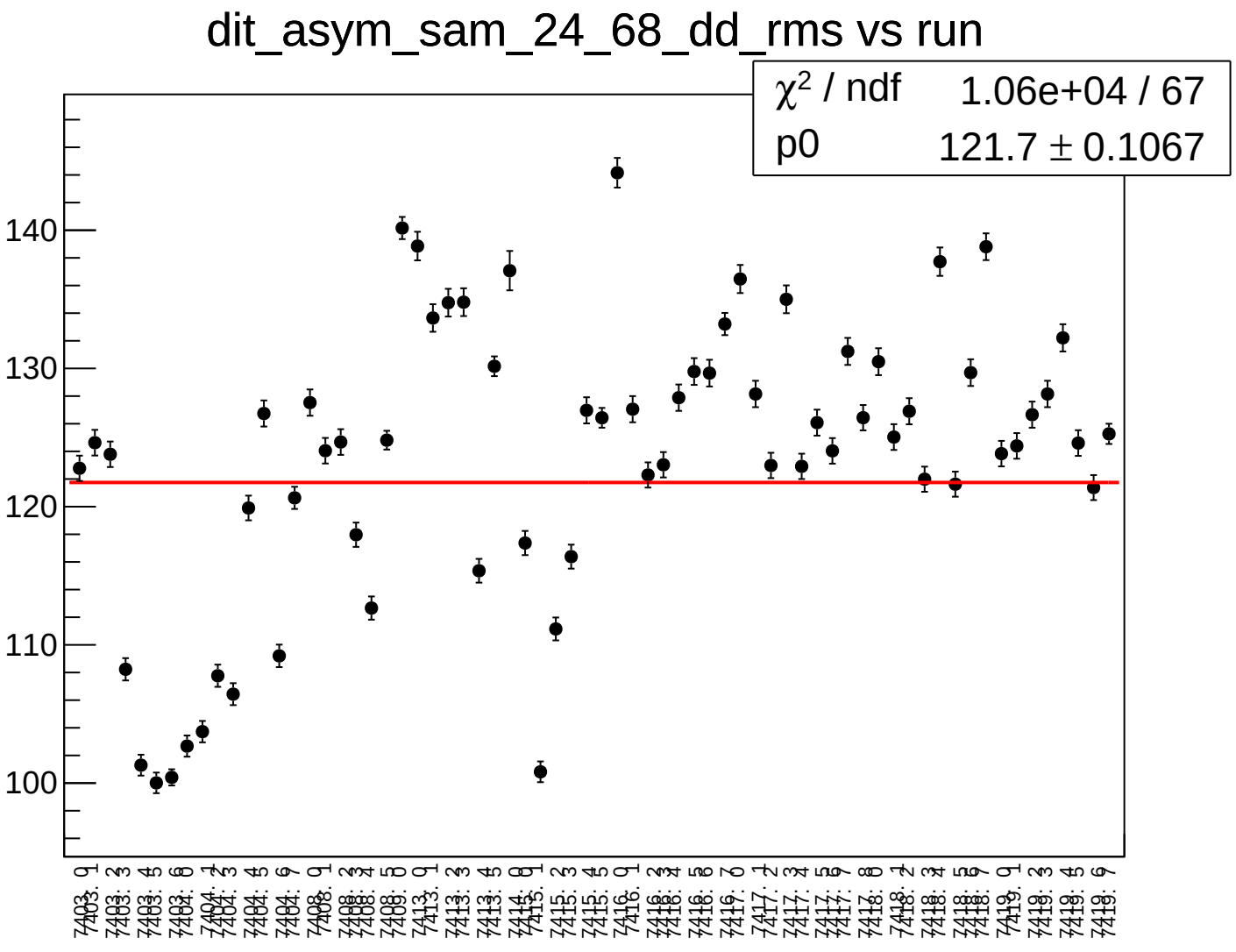

asym_sam_15_37_dd_mean vs run
χ² / ndf 70.19 / 67
p0 −225.3 ± 308.3
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 104.2
Std Dev 67.92
3
2
1
0
−1
−2
−3

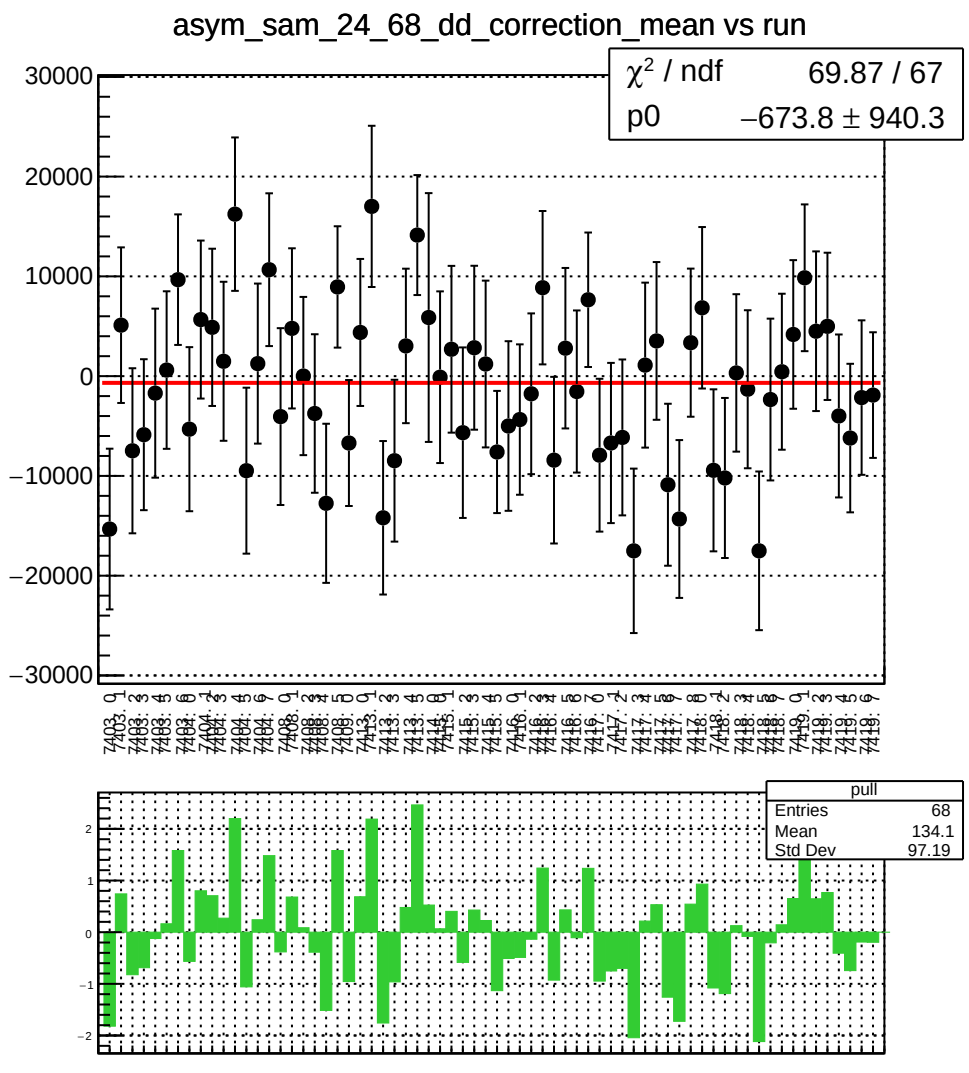

pull1D
Entries 68
Mean −0.04208
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

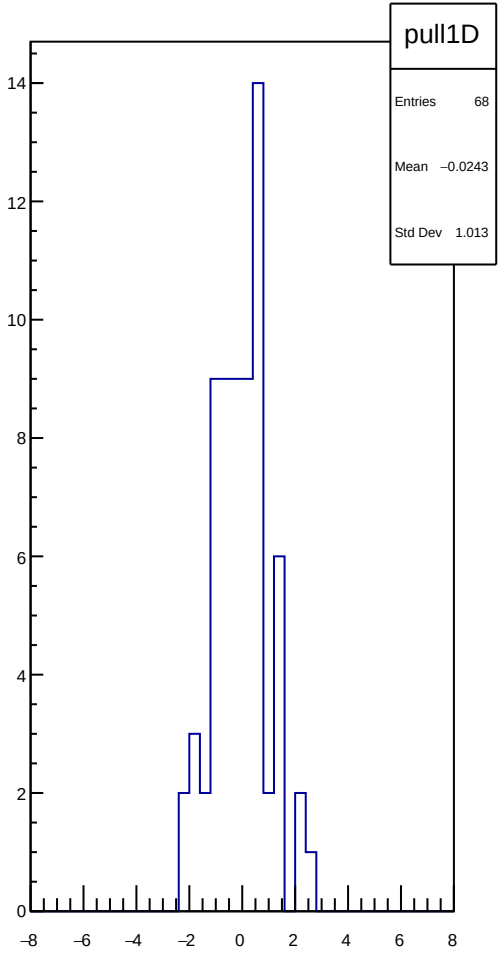

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 9662 / 67
p0 248.8 ± 0.218
290
280
270
260
250
240
230
220
210

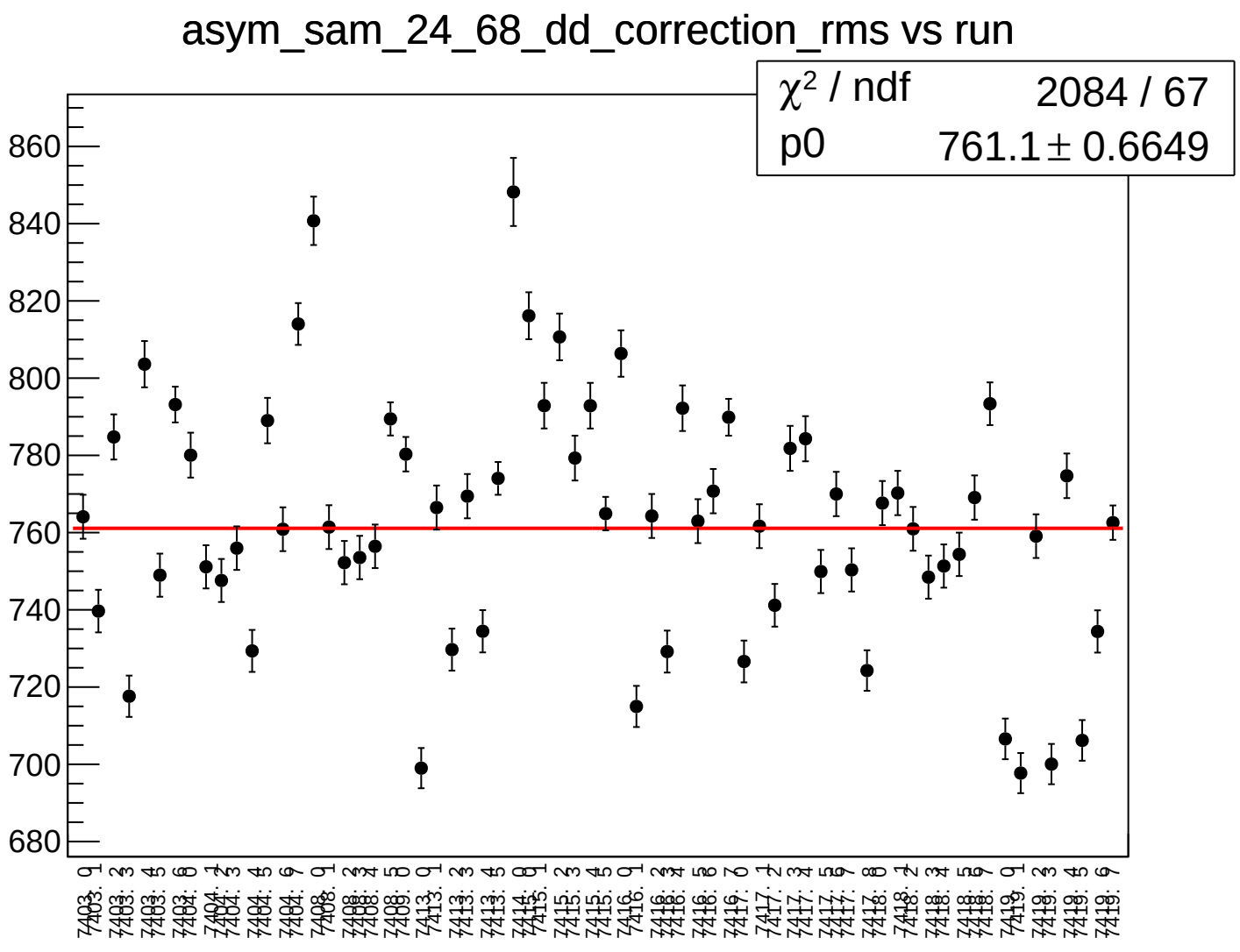

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 70.61 / 67
p0 55.6 ± 150.9
pull
Entries 68
Mean 9.747
Std Dev 9.147

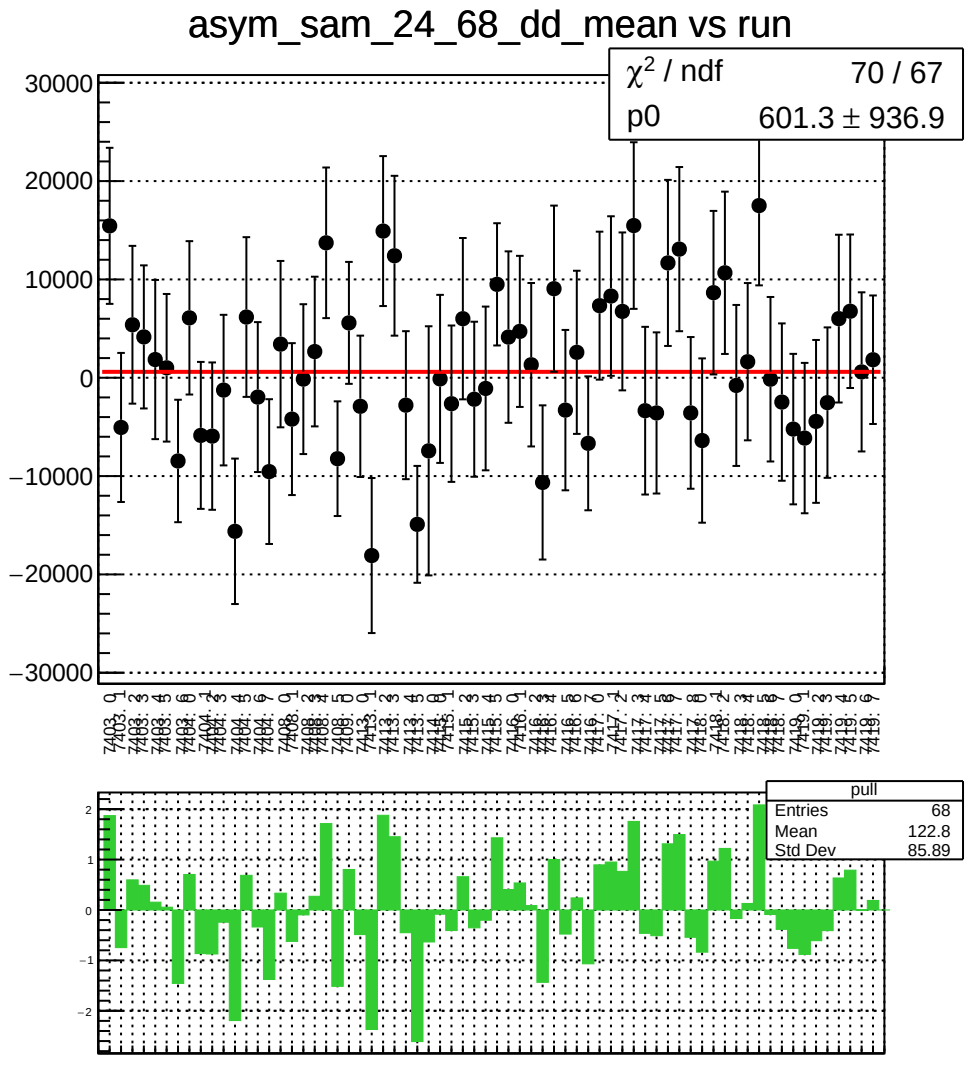

pull1D
Entries 68
Mean −0.02528
Std Dev 1.019

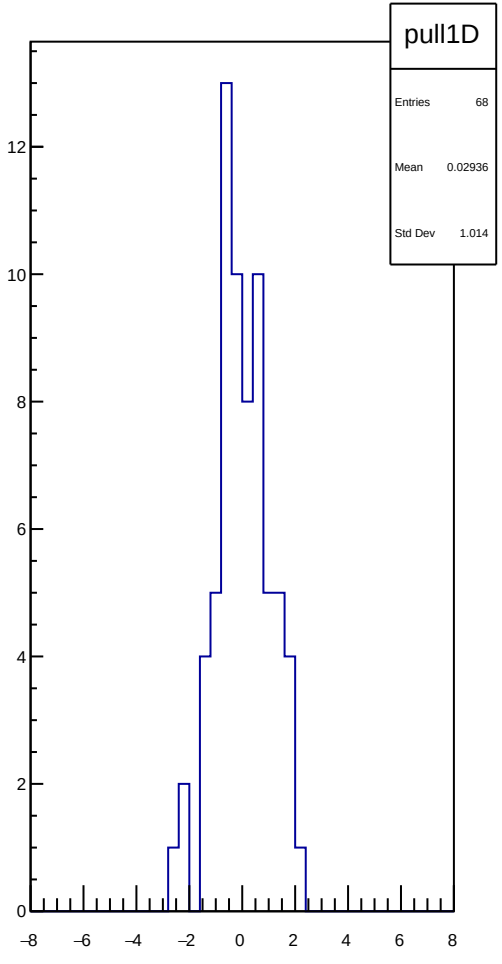

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.06e+04 / 67
p0 121.7 ± 0.1067
140
130
120
110
100

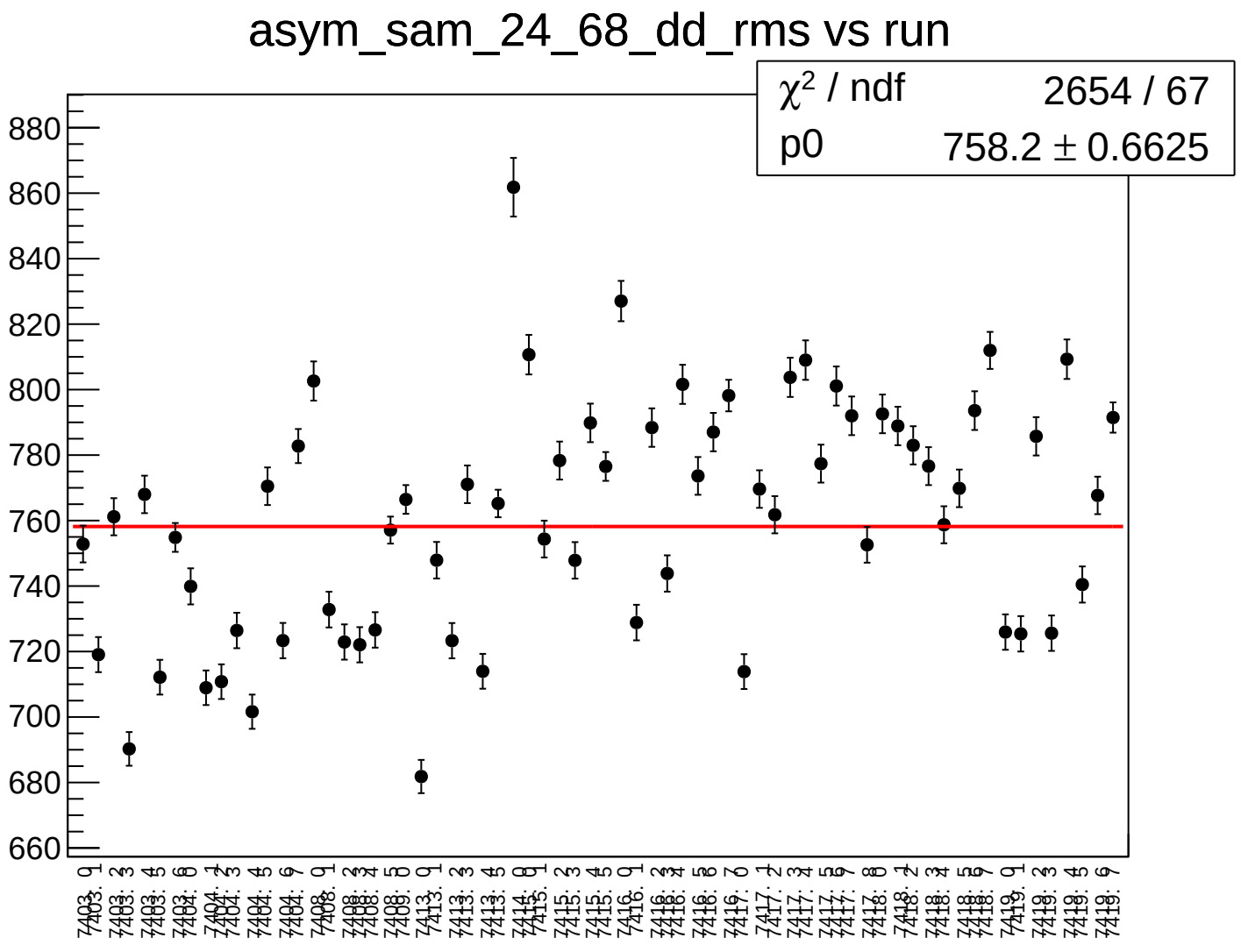

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 69.87 / 67
p0 −673.8 ± 940.3
pull
Entries 68
Mean 134.1
Std Dev 97.19

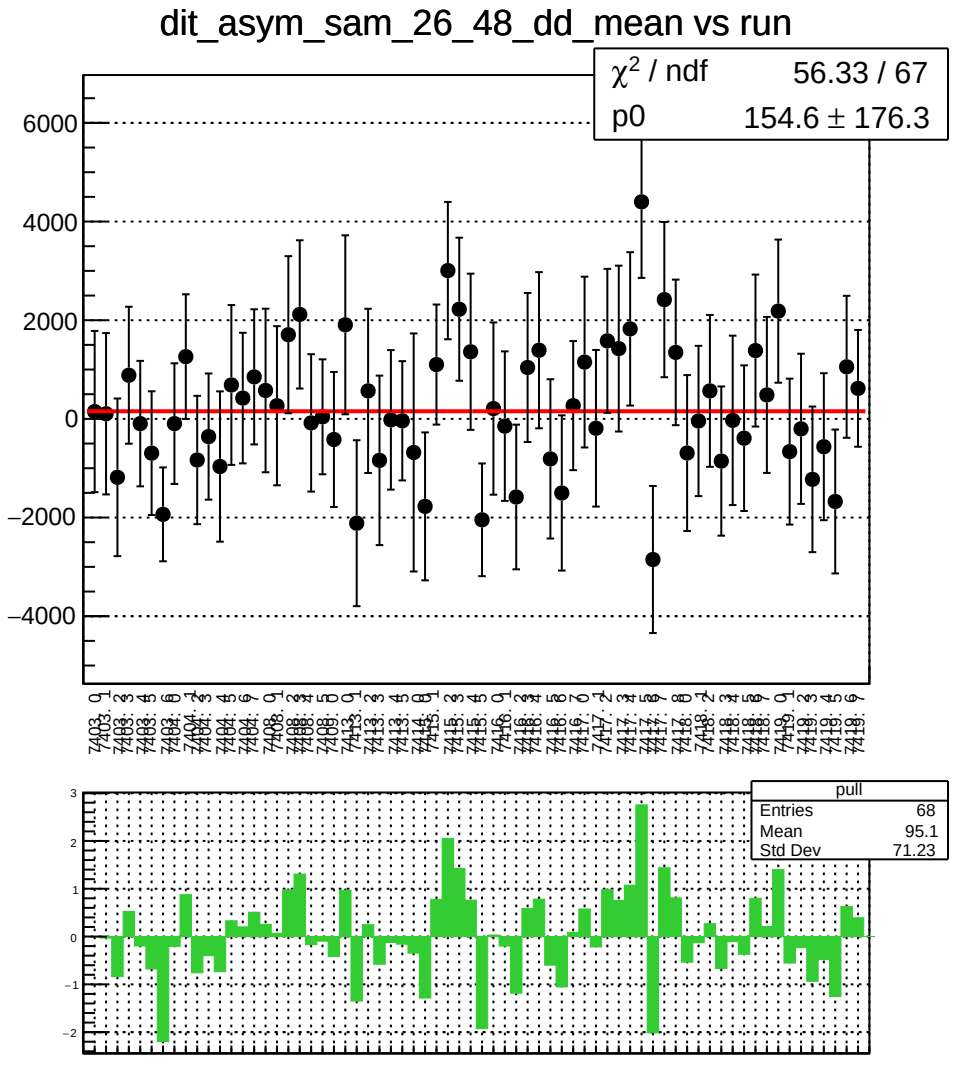

pull1D
Entries 68
Mean −0.0243
Std Dev 1.013

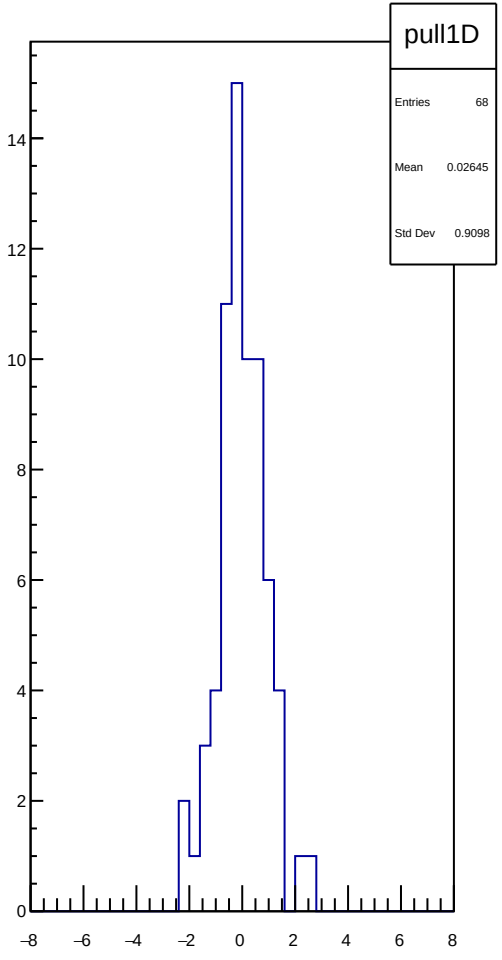

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2084 / 67
p0 761.1 ± 0.6649
860
840
820
800
780
760
740
720
700
680

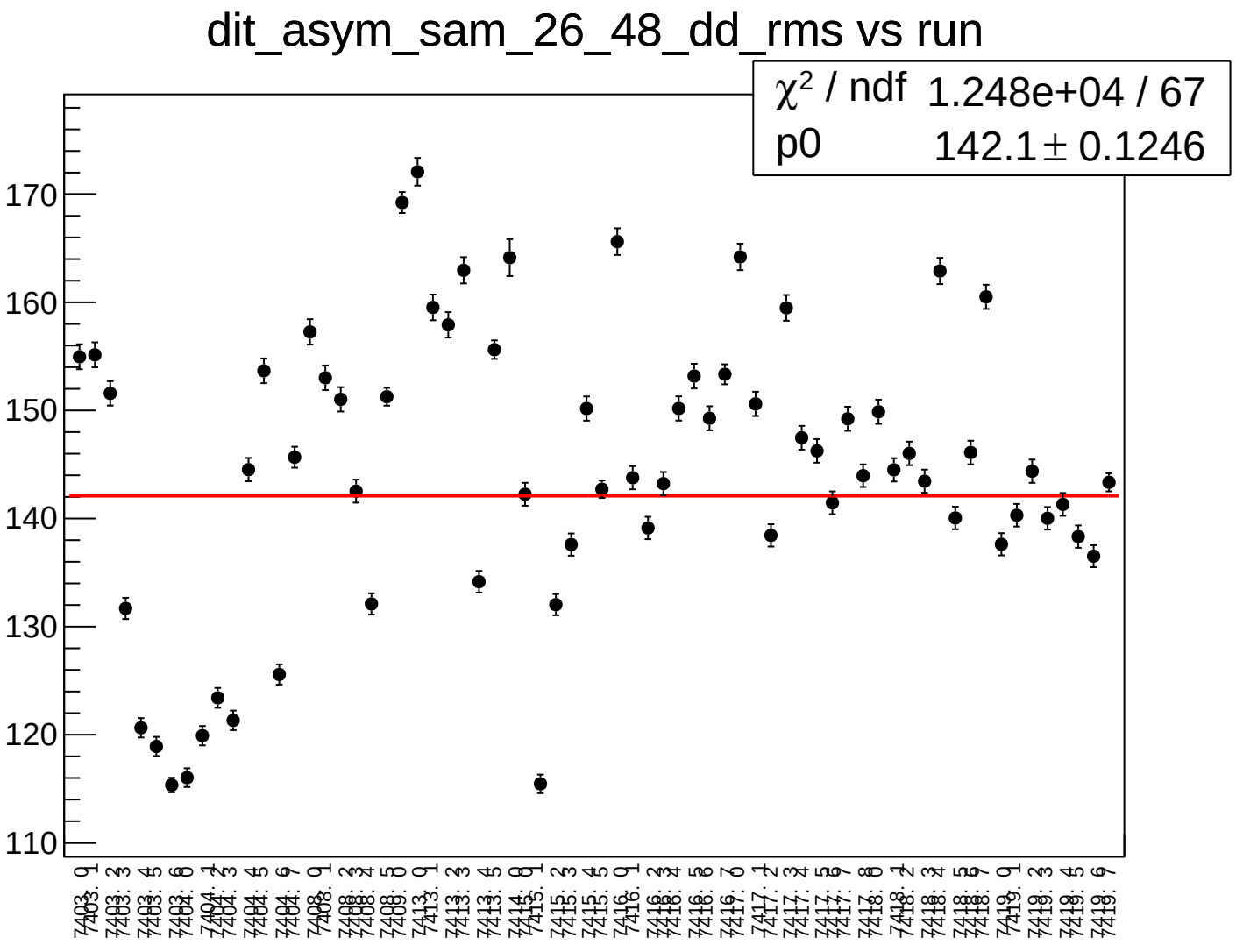

asym_sam_24_68_dd_mean vs run
χ² / ndf 70 / 67
p0 601.3 ± 936.9
pull
Entries 68
Mean 122.8
Std Dev 85.89

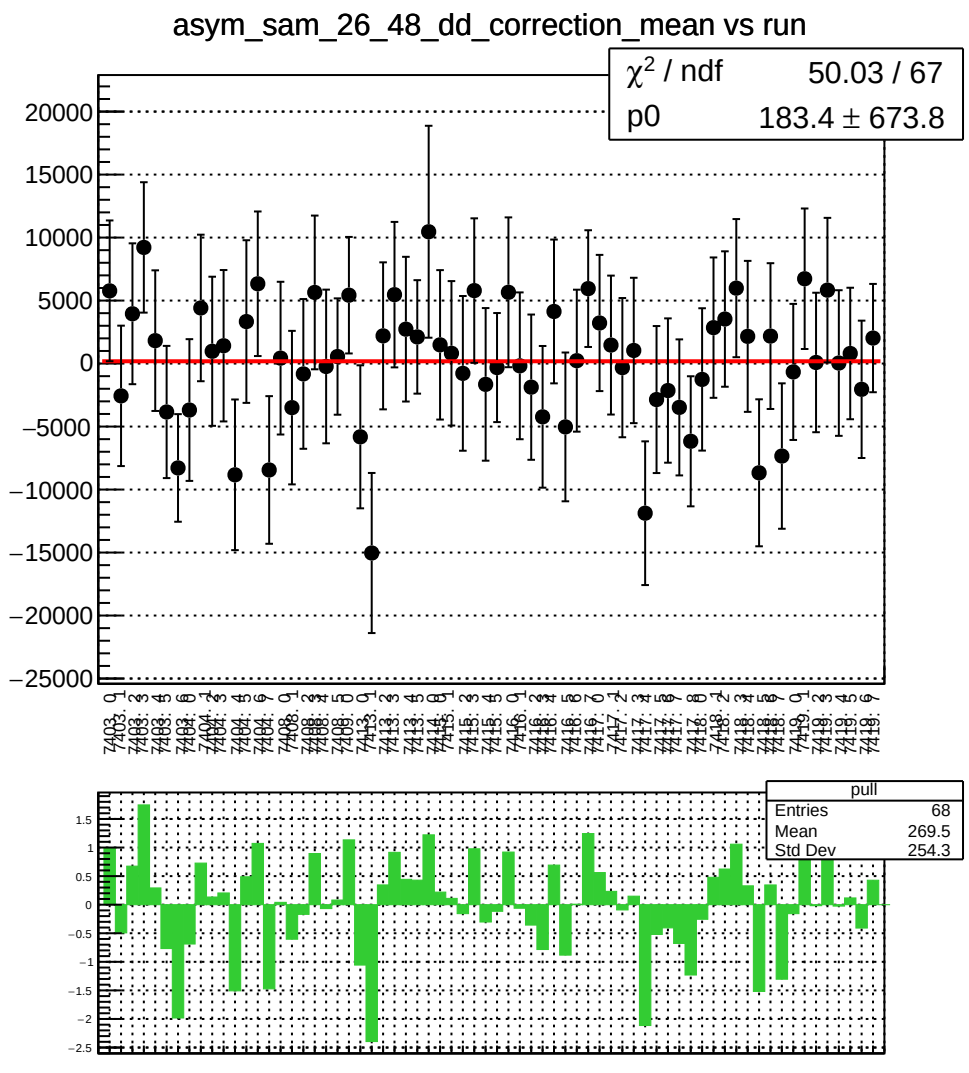

pull1D
Entries 68
Mean 0.02936
Std Dev 1.014

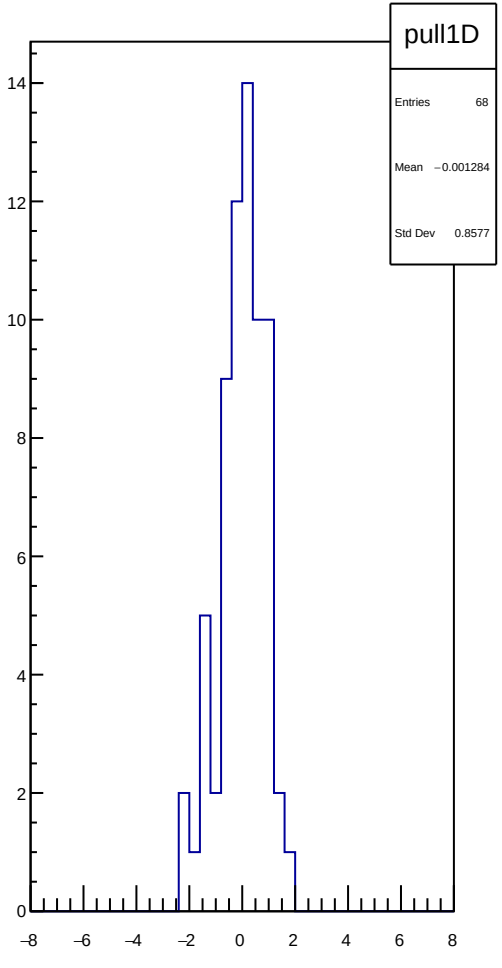

asym_sam_24_68_dd_rms vs run
χ² / ndf 2654 / 67
p0 758.2 ± 0.6625
880
860
840
820
800
780
760
740
720
700
680
660

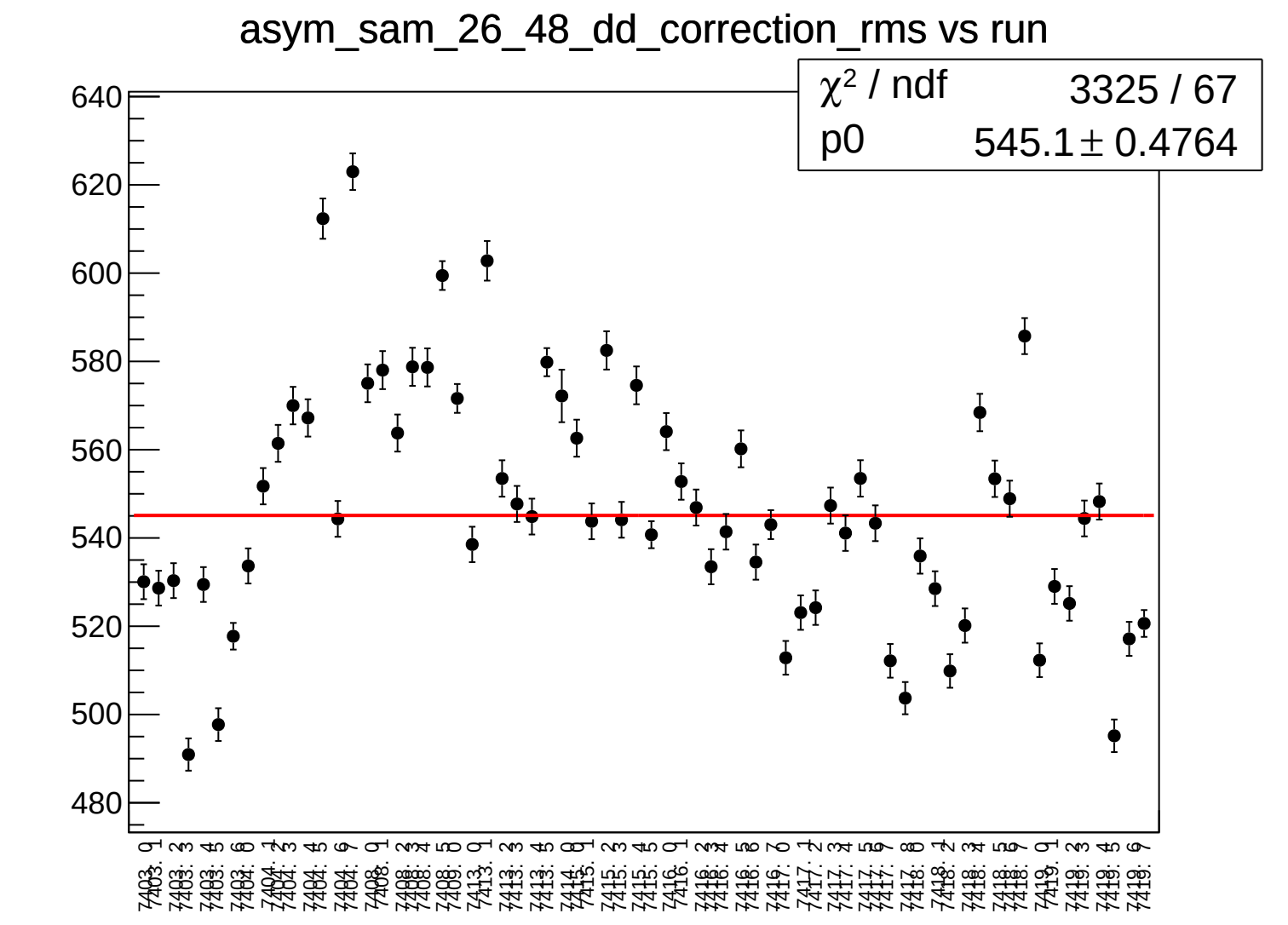

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 56.33 / 67
p0 154.6 ± 176.3
6000
4000
2000
0
−2000
−4000
pull
Entries 68
Mean 95.1
Std Dev 71.23
3
2
1
0
−1
−2

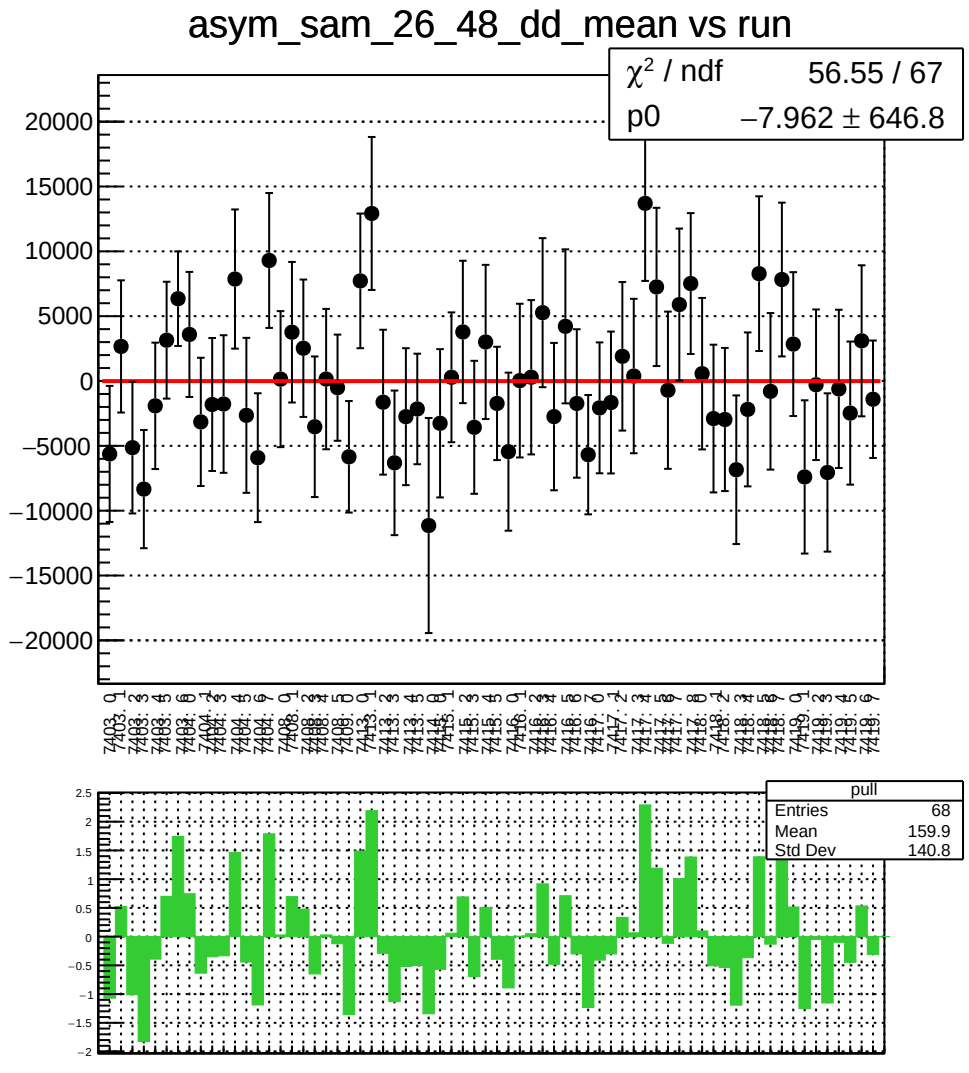

pull1D
Entries 68
Mean 0.02645
Std Dev 0.9098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

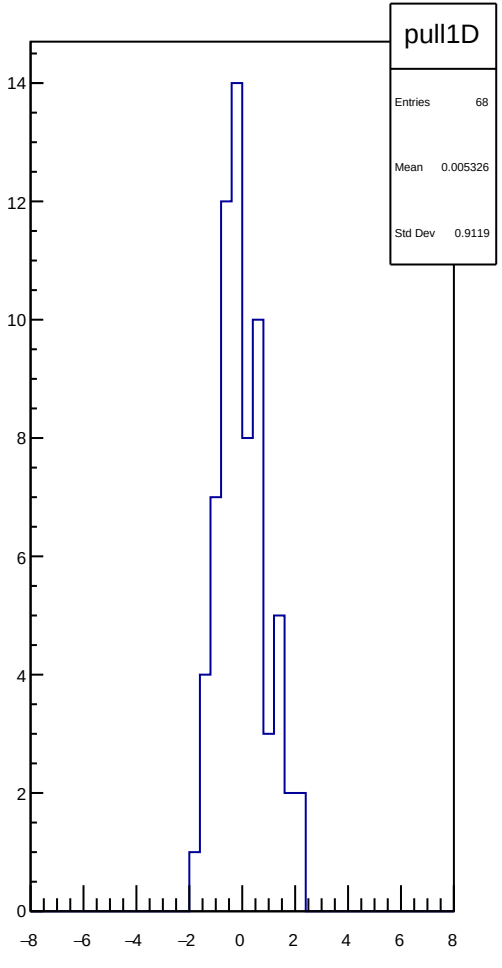

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.248e+04 / 67
p0 142.1 ± 0.1246
170
160
150
140
130
120
110

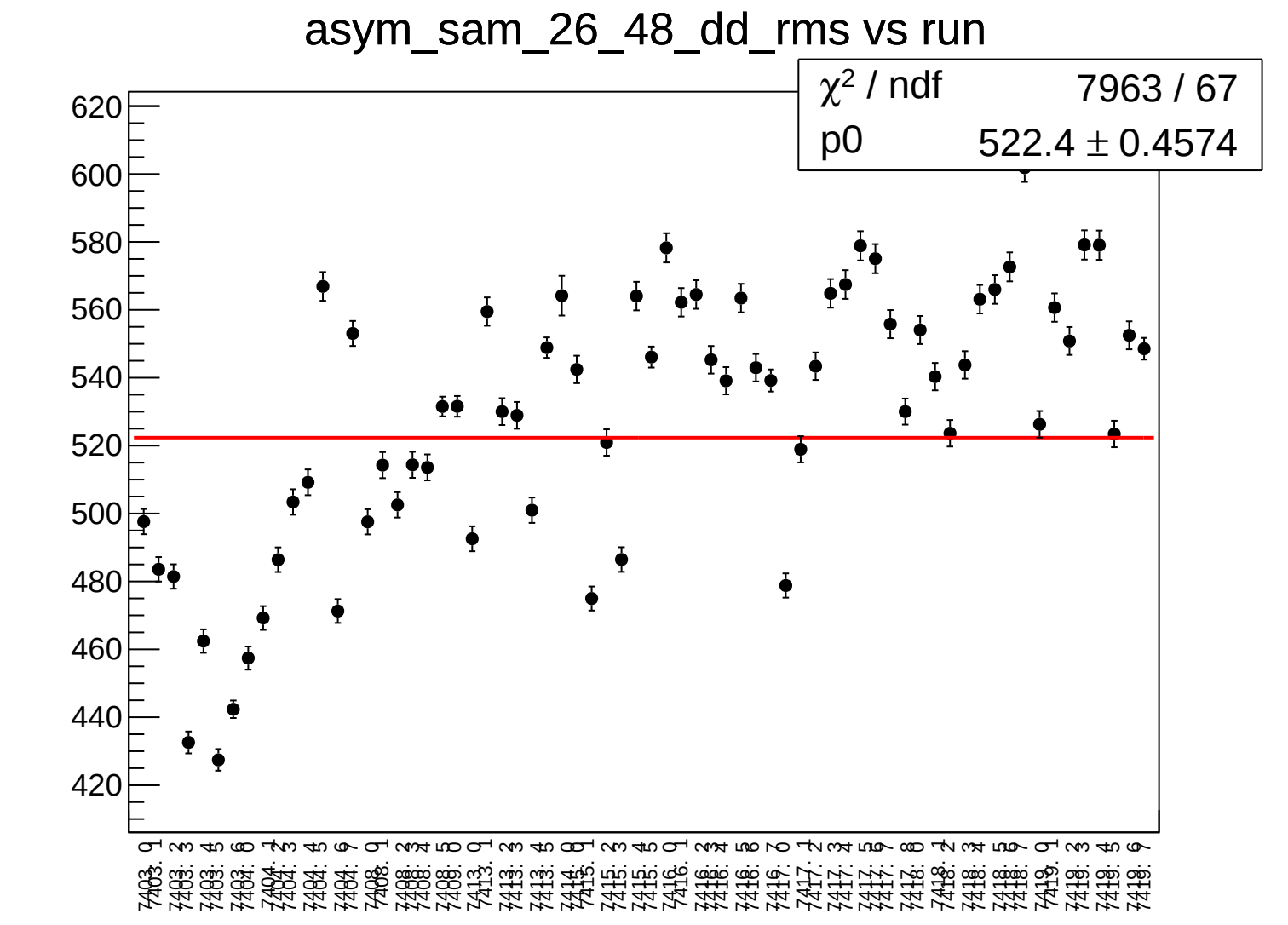

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 50.03 / 67
p0 183.4 ± 673.8
pull
Entries 68
Mean 269.5
Std Dev 254.3

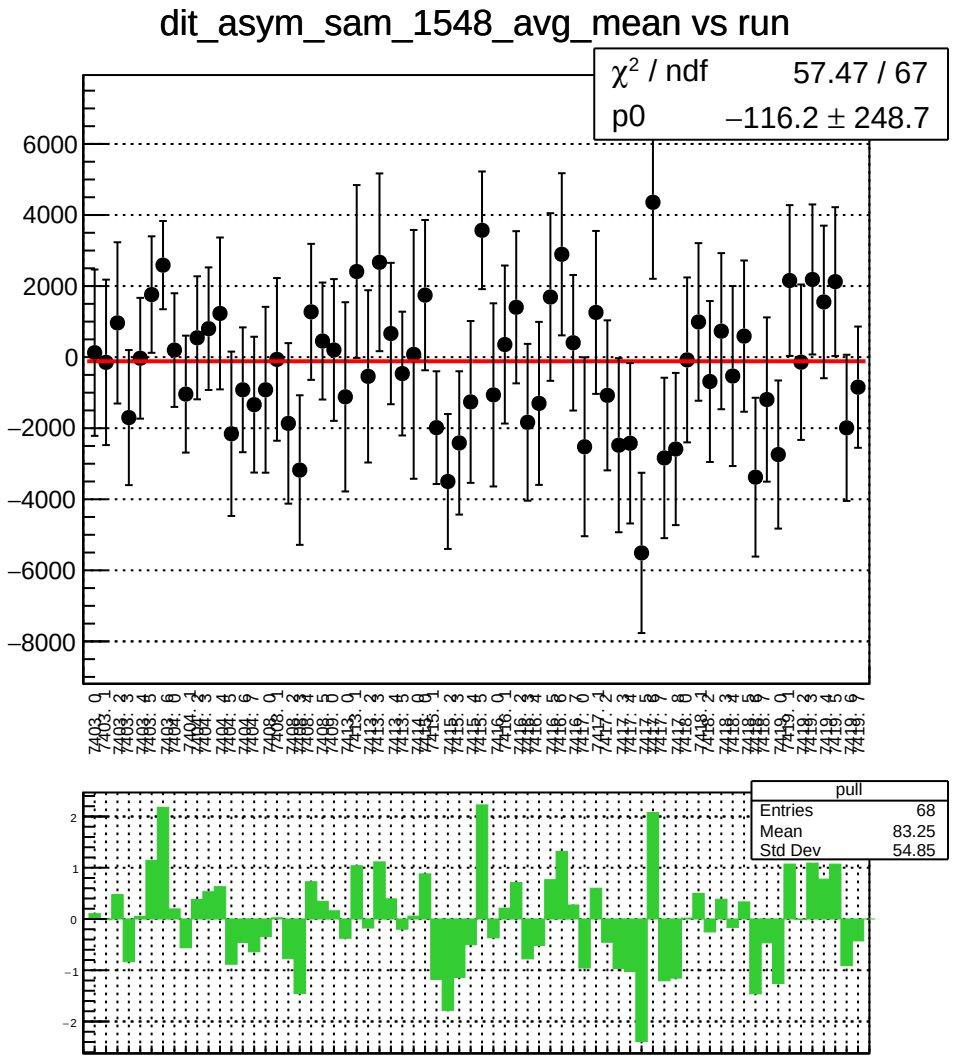

pull1D
Entries 68
Mean −0.001284
Std Dev 0.8577

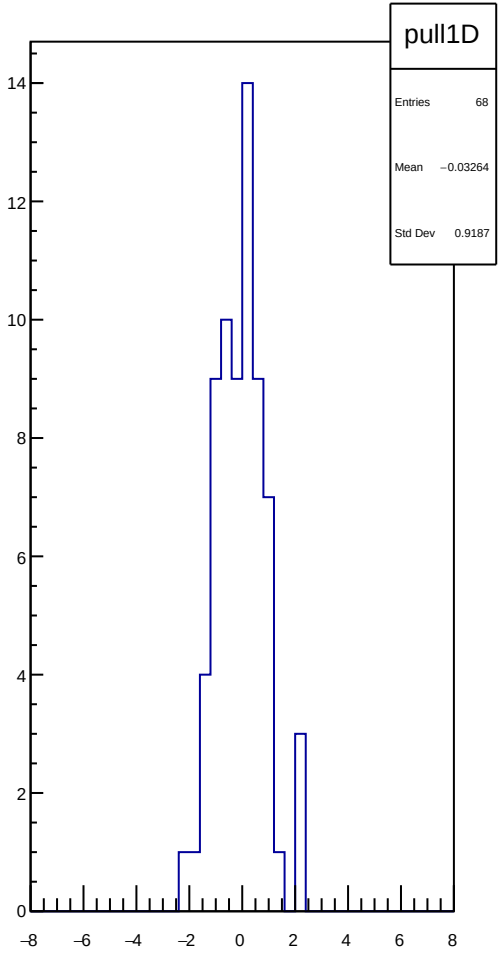

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3325 / 67
p0 545.1 ± 0.4764
640
620
600
580
560
540
520
500
480

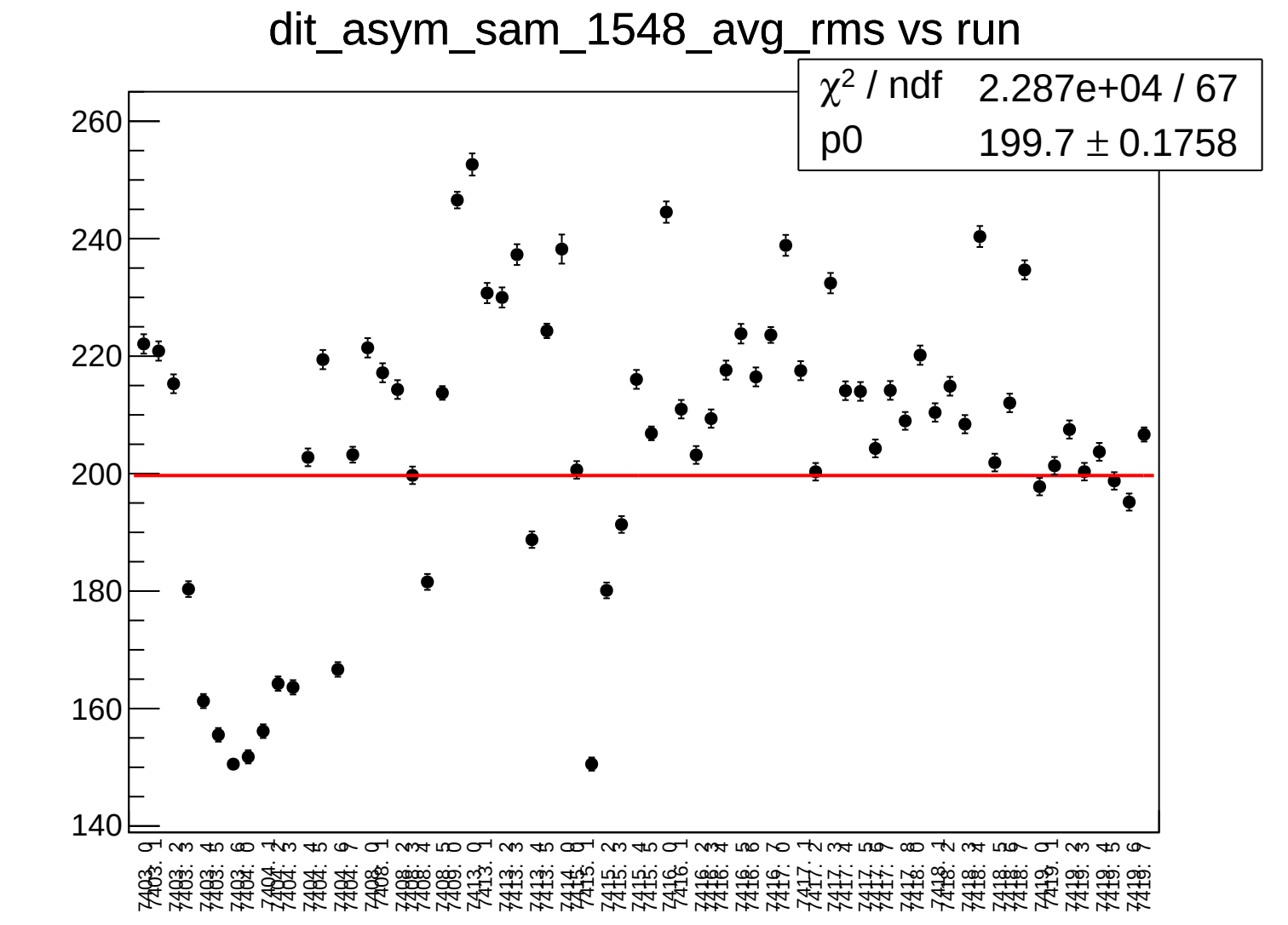

asym_sam_26_48_dd_mean vs run
χ² / ndf 56.55 / 67
p0 −7.962 ± 646.8
pull
Entries 68
Mean 159.9
Std Dev 140.8

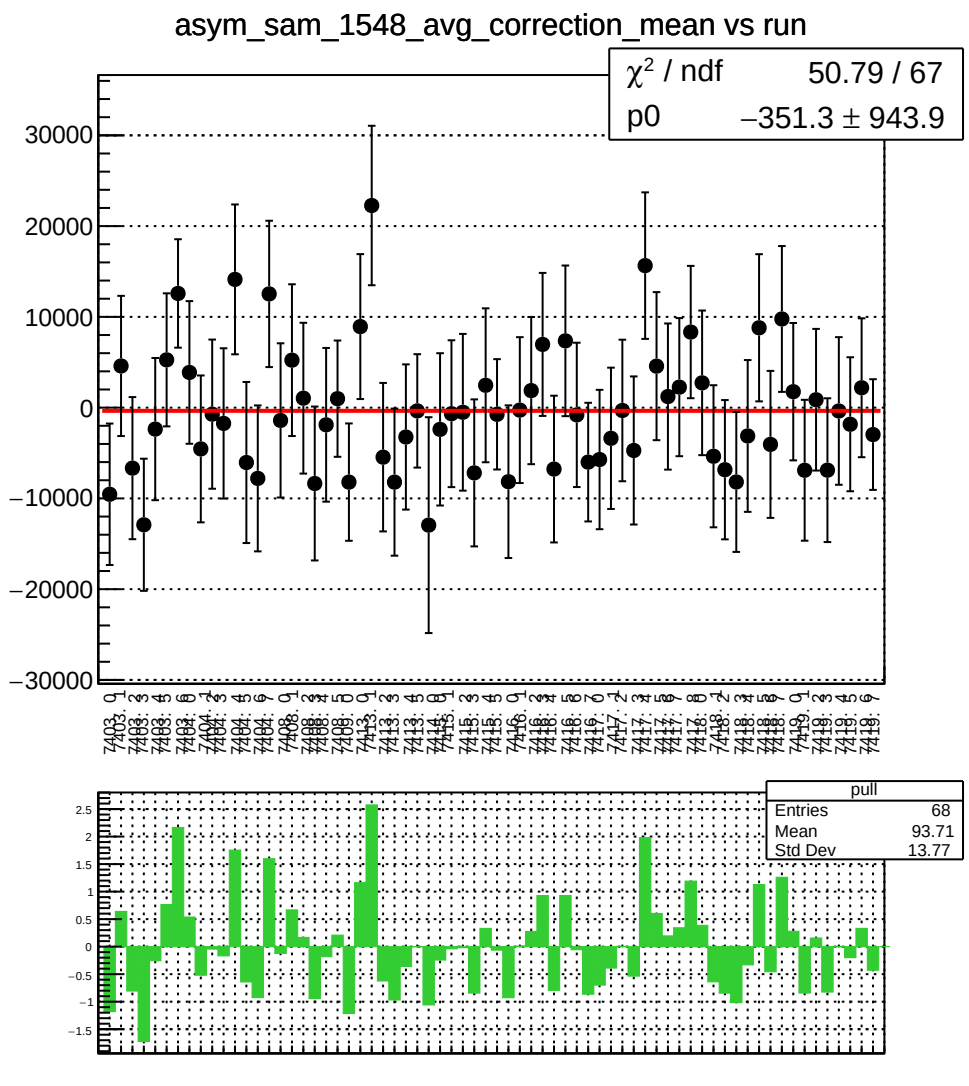

pull1D
Entries 68
Mean 0.005326
Std Dev 0.9119

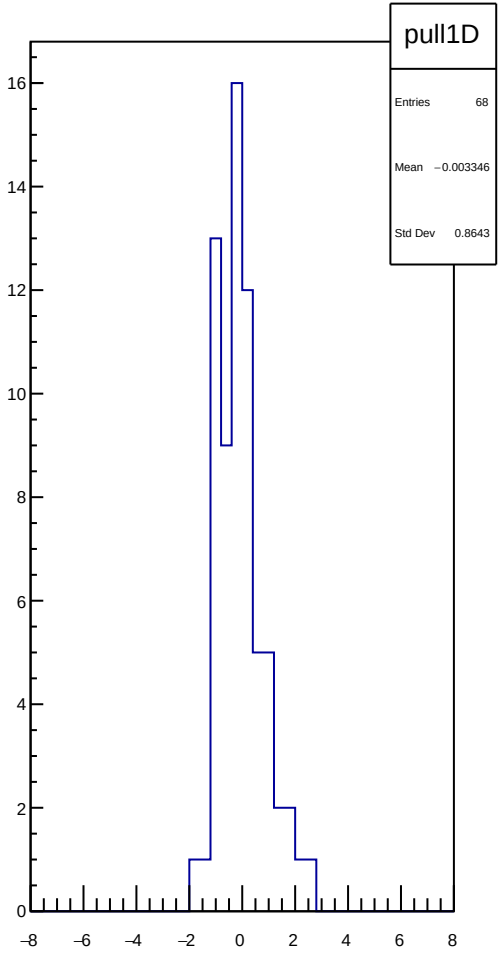

asym_sam_26_48_dd_rms vs run
χ² / ndf 7963 / 67
p0 522.4 ± 0.4574
620
600
580
560
540
520
500
480
460
440
420

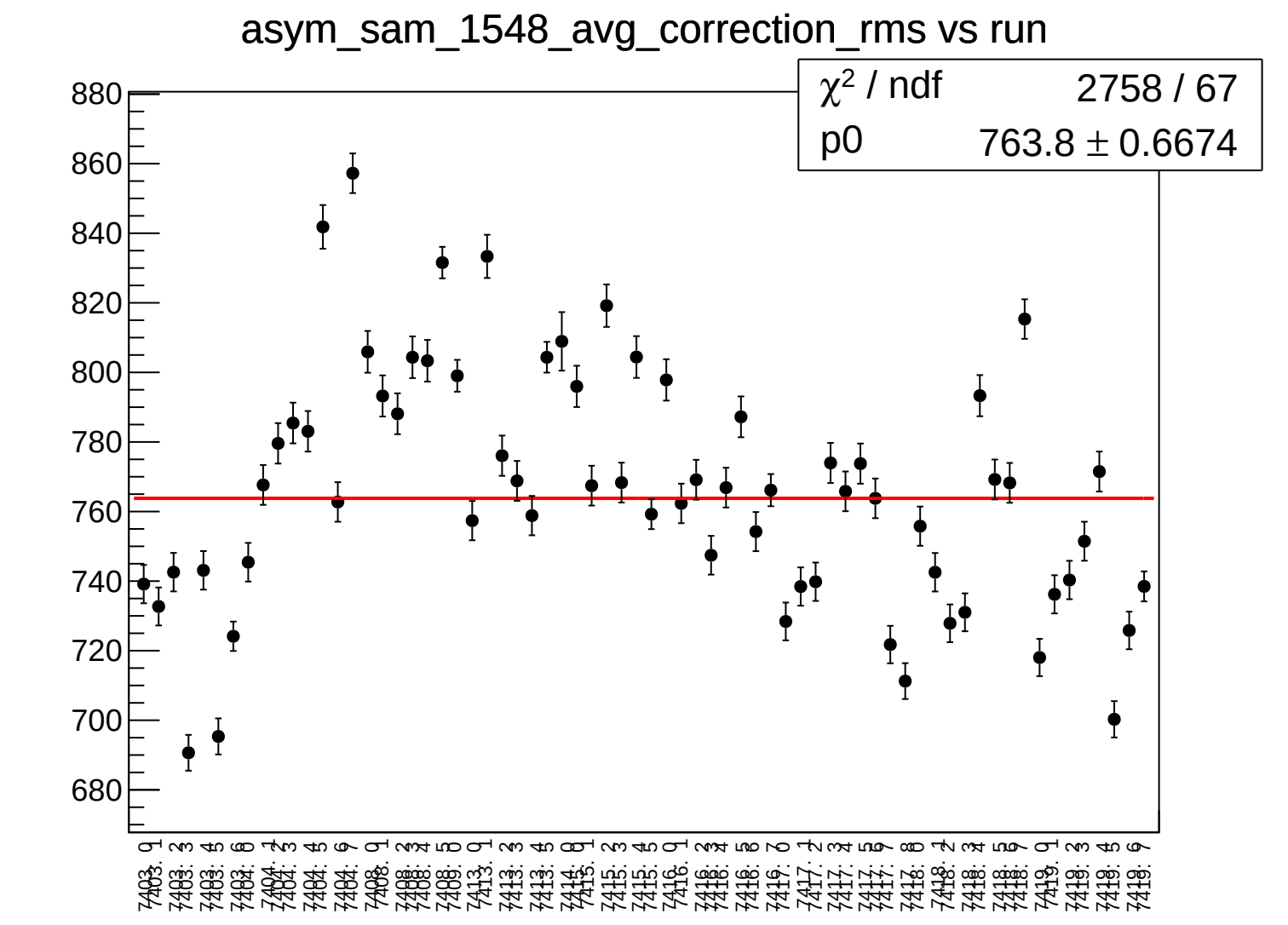

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 57.47 / 67
p0 −116.2 ± 248.7
pull
Entries 68
Mean 83.25
Std Dev 54.85

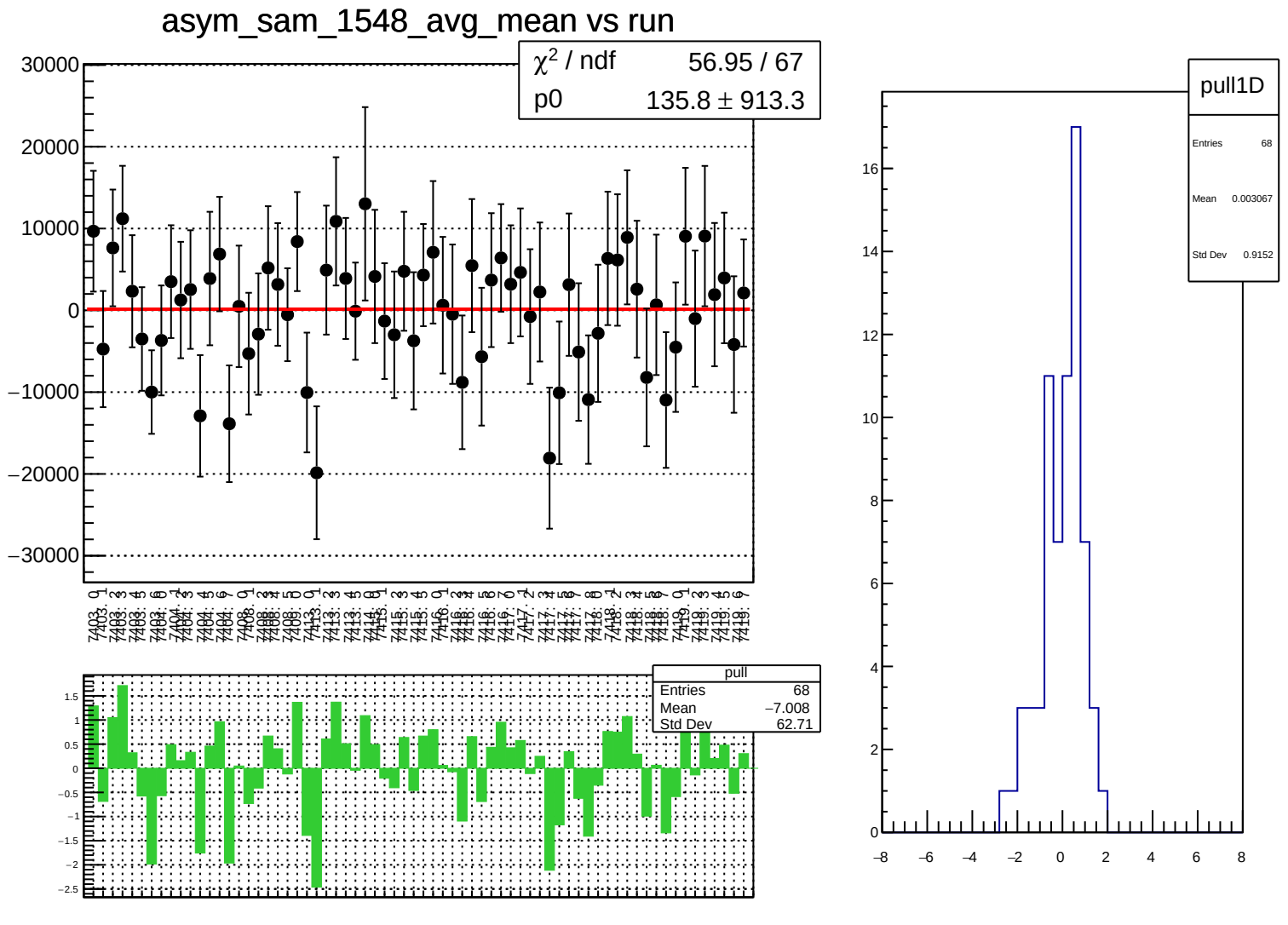

pull1D
Entries 68
Mean −0.03264
Std Dev 0.9187

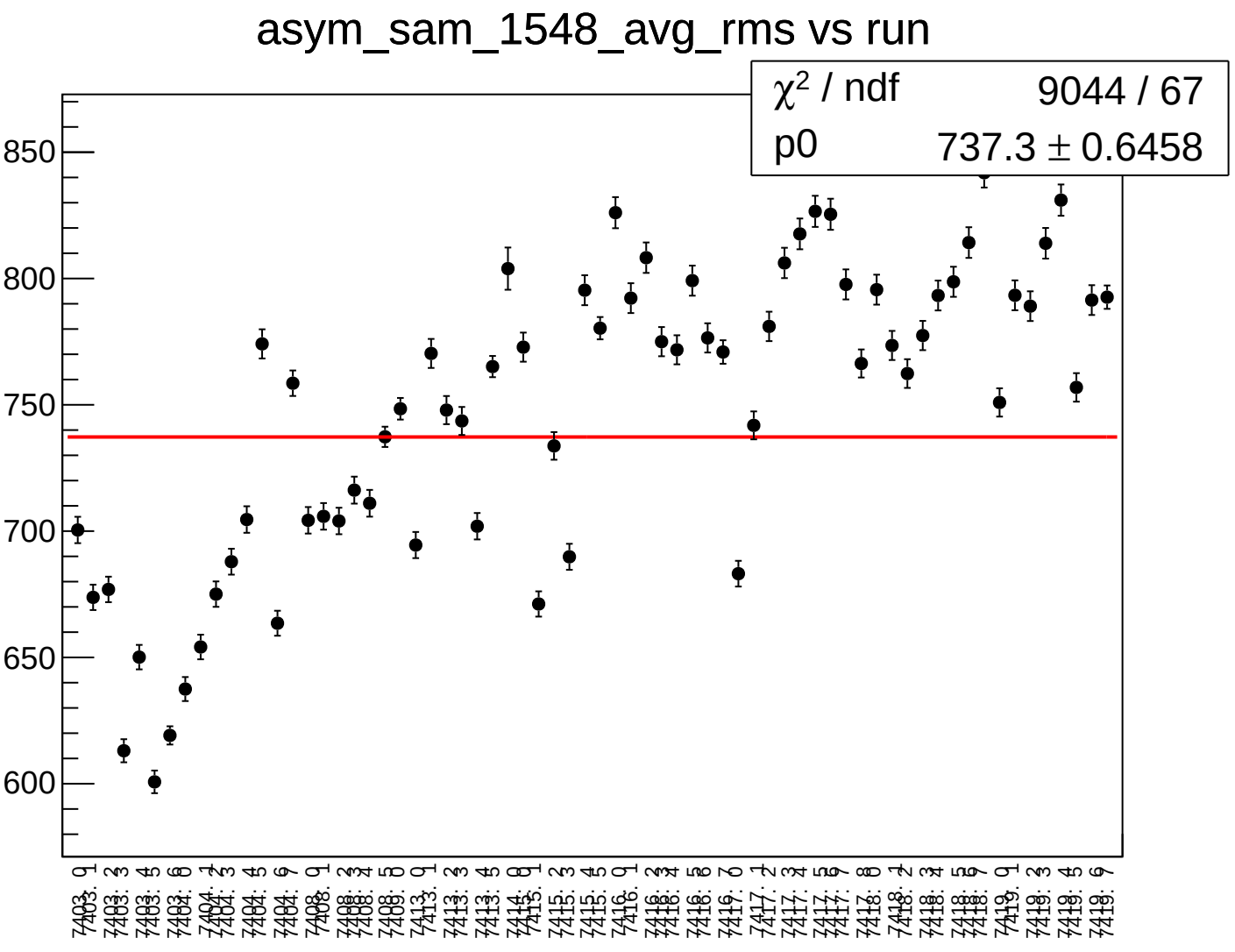

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.287e+04 / 67
p0 199.7 ± 0.1758
260
240
220
200
180
160
140

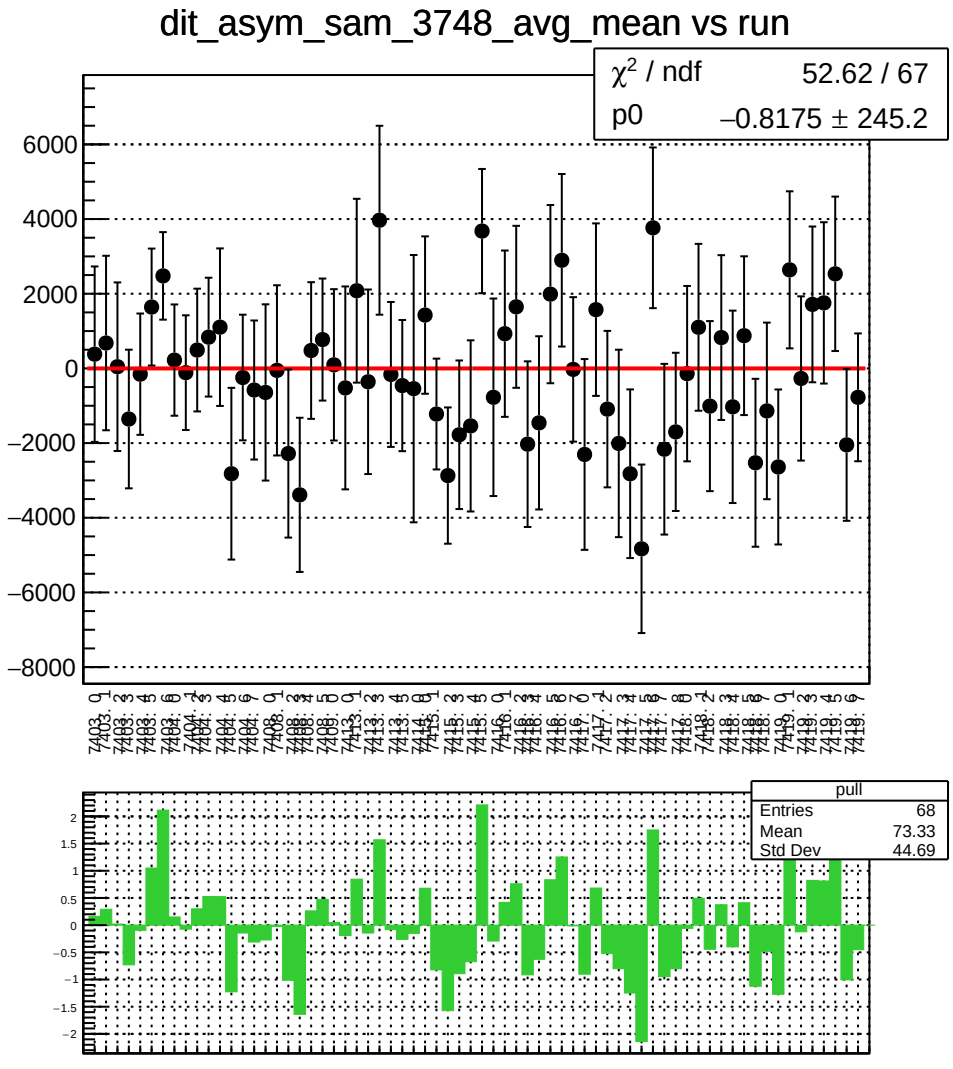

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 50.79 / 67
p0 −351.3 ± 943.9
pull
Entries 68
Mean 93.71
Std Dev 13.77

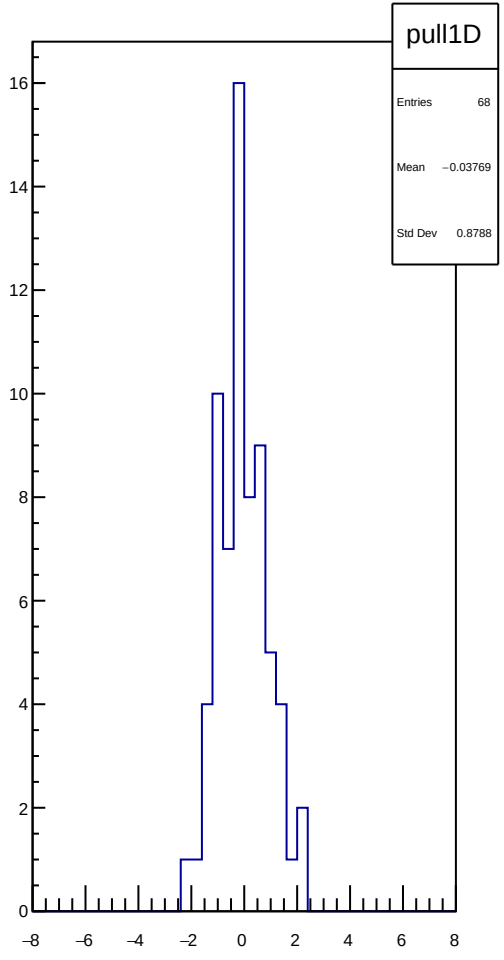

pull1D
Entries 68
Mean −0.003346
Std Dev 0.8643

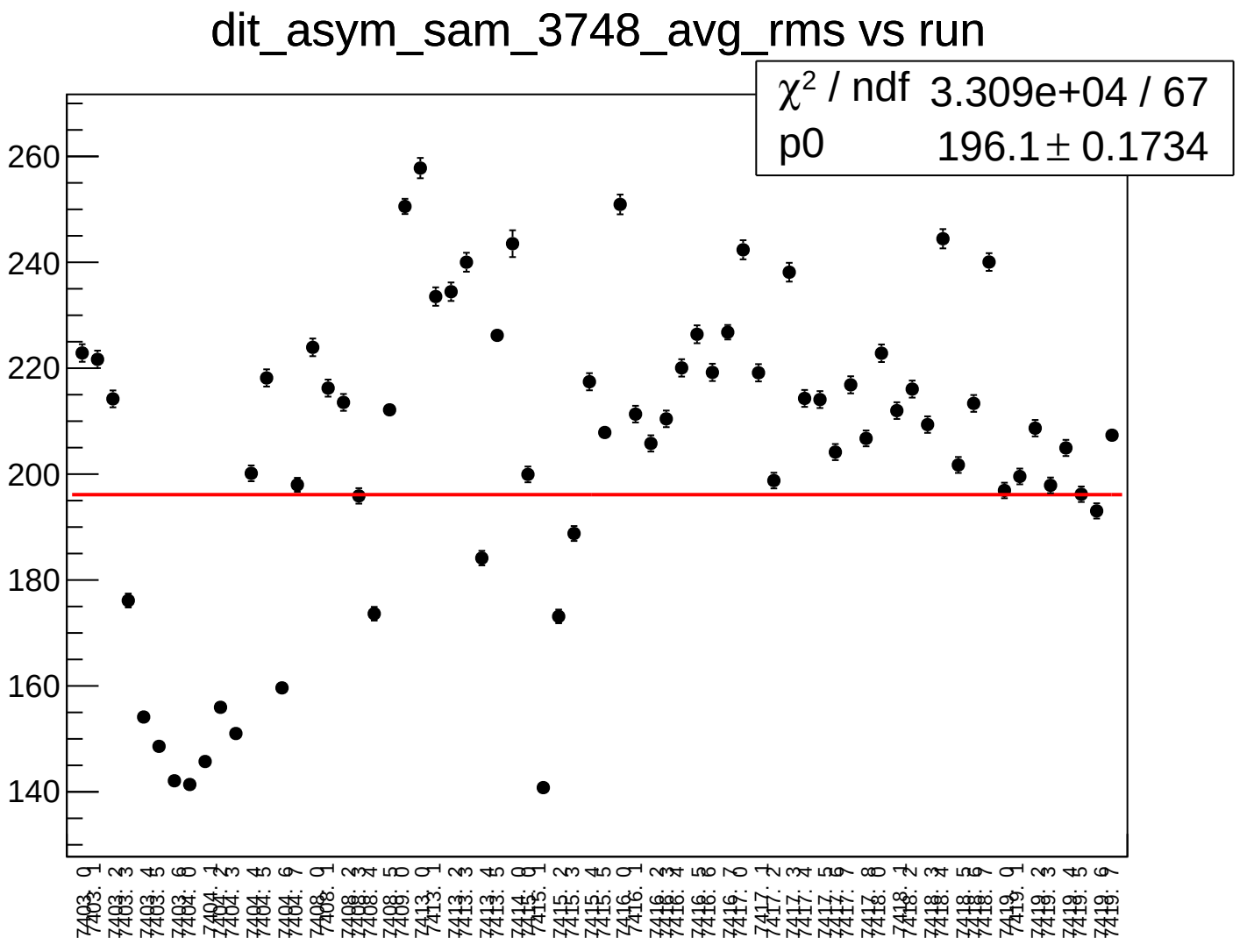

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2758 / 67
p0 763.8 ± 0.6674
880
860
840
820
800
780
760
740
720
700
680

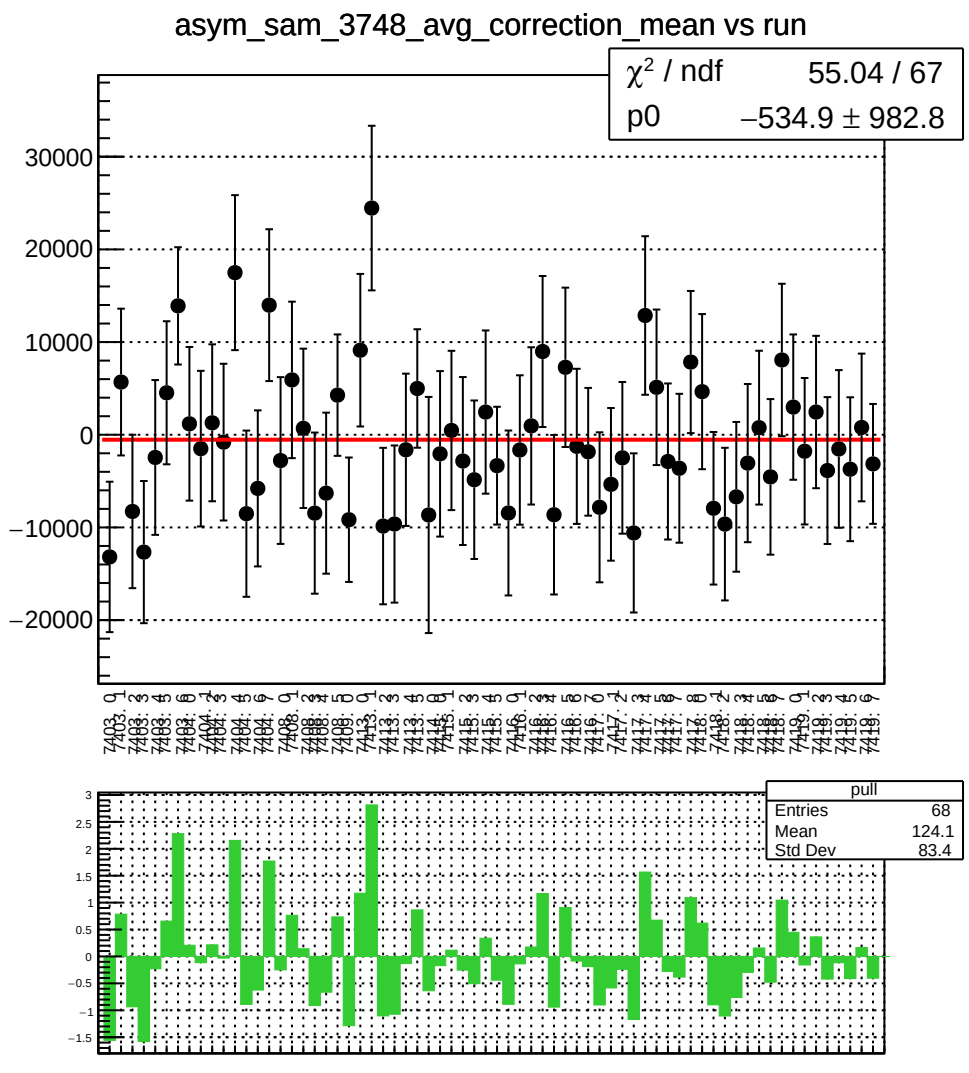

asym_sam_1548_avg_mean vs run
χ^2 / ndf 56.95 / 67
p0 135.8 ± 913.3
pull
Entries 68
Mean −7.008
Std Dev 62.71
pull1D
Entries 68
Mean 0.003067
Std Dev 0.9152

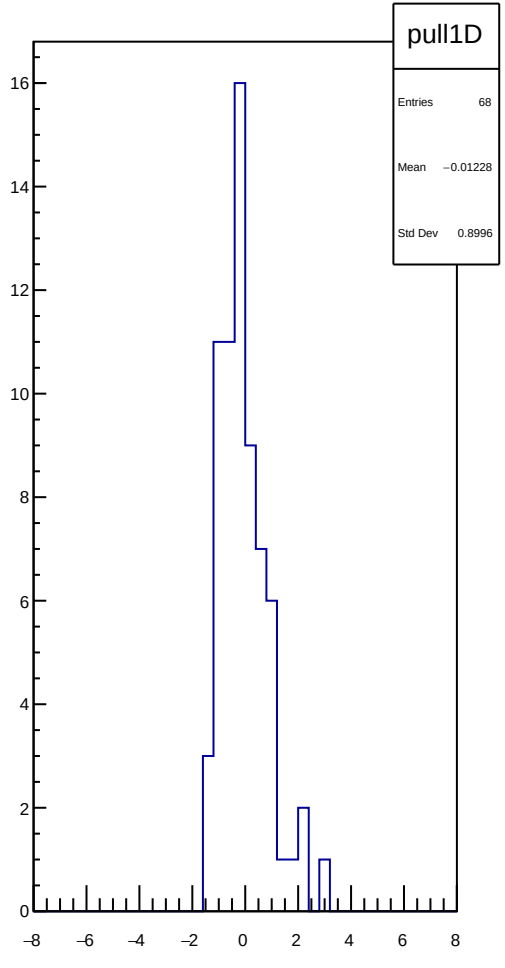

asym_sam_1548_avg_rms vs run
χ² / ndf 9044 / 67
p0 737.3 ± 0.6458
850
800
750
700
650
600

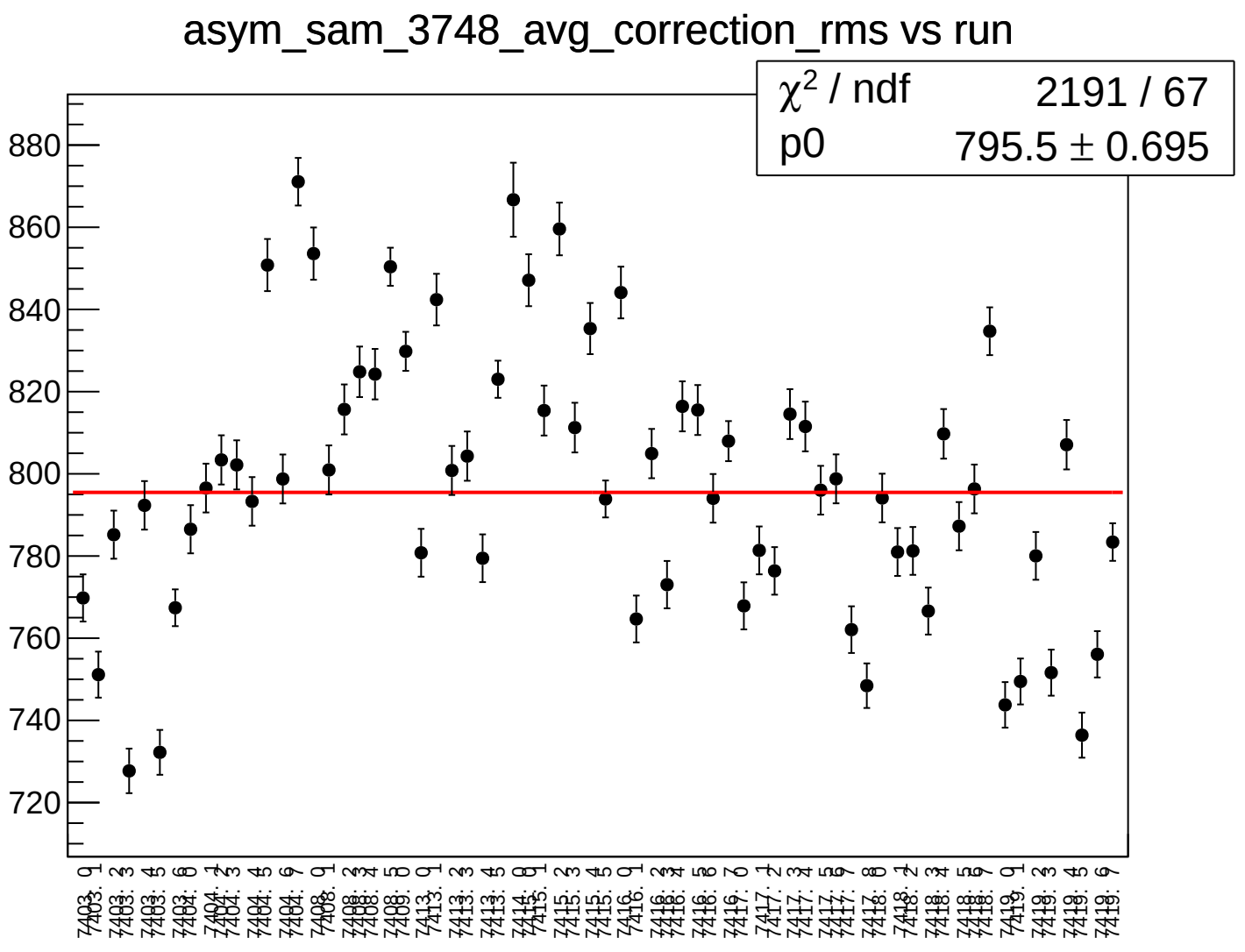

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 52.62 / 67
p0 −0.8175 ± 245.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 68
Mean 73.33
Std Dev 44.69
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

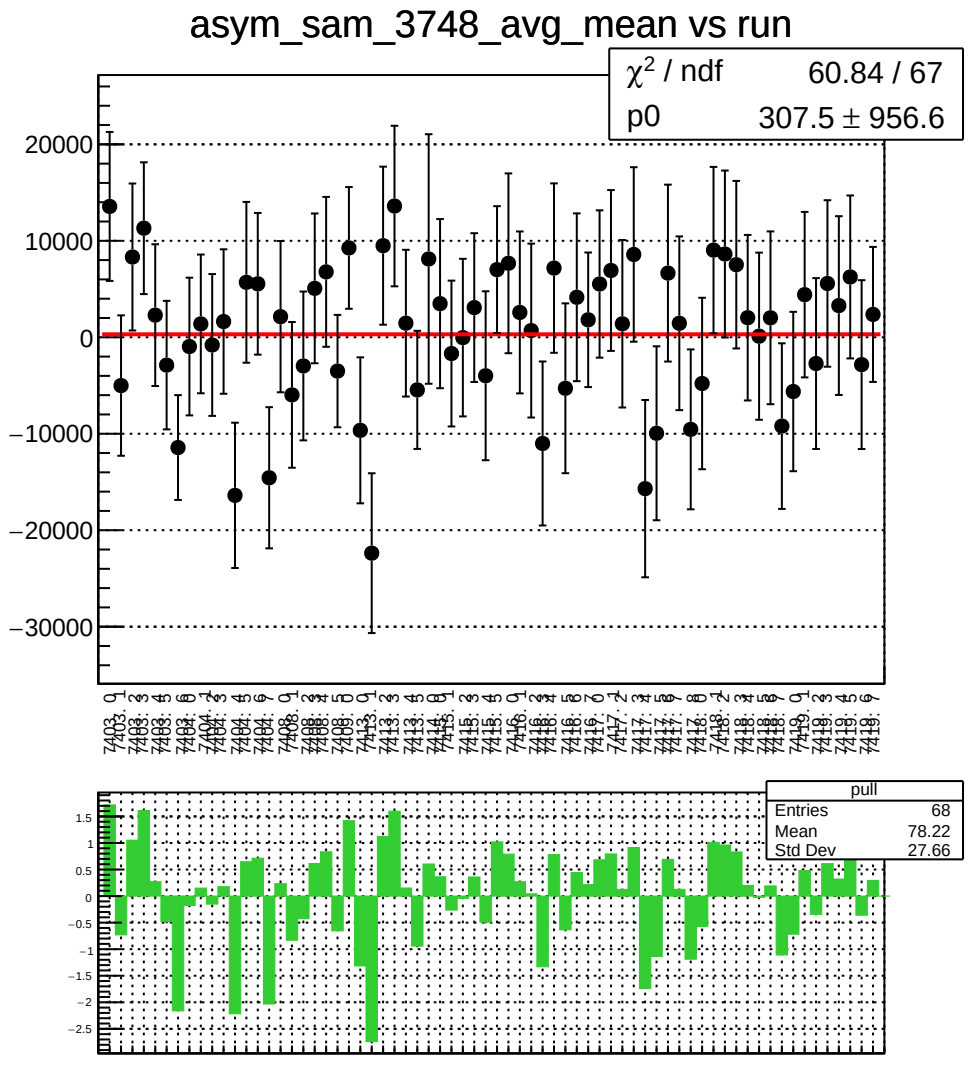

pull1D
Entries 68
Mean −0.03769
Std Dev 0.8788
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

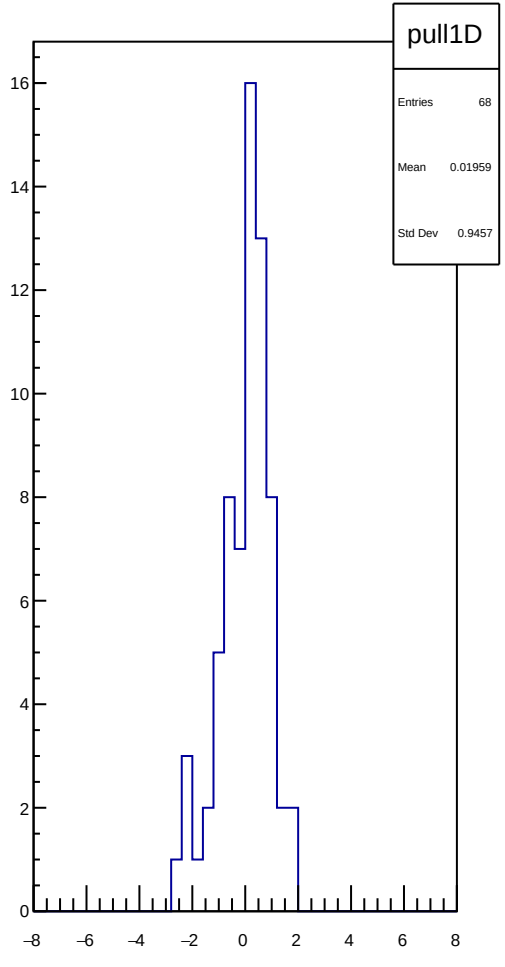

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3.309e+04 / 67
p0 196.1 ± 0.1734
260
240
220
200
180
160
140

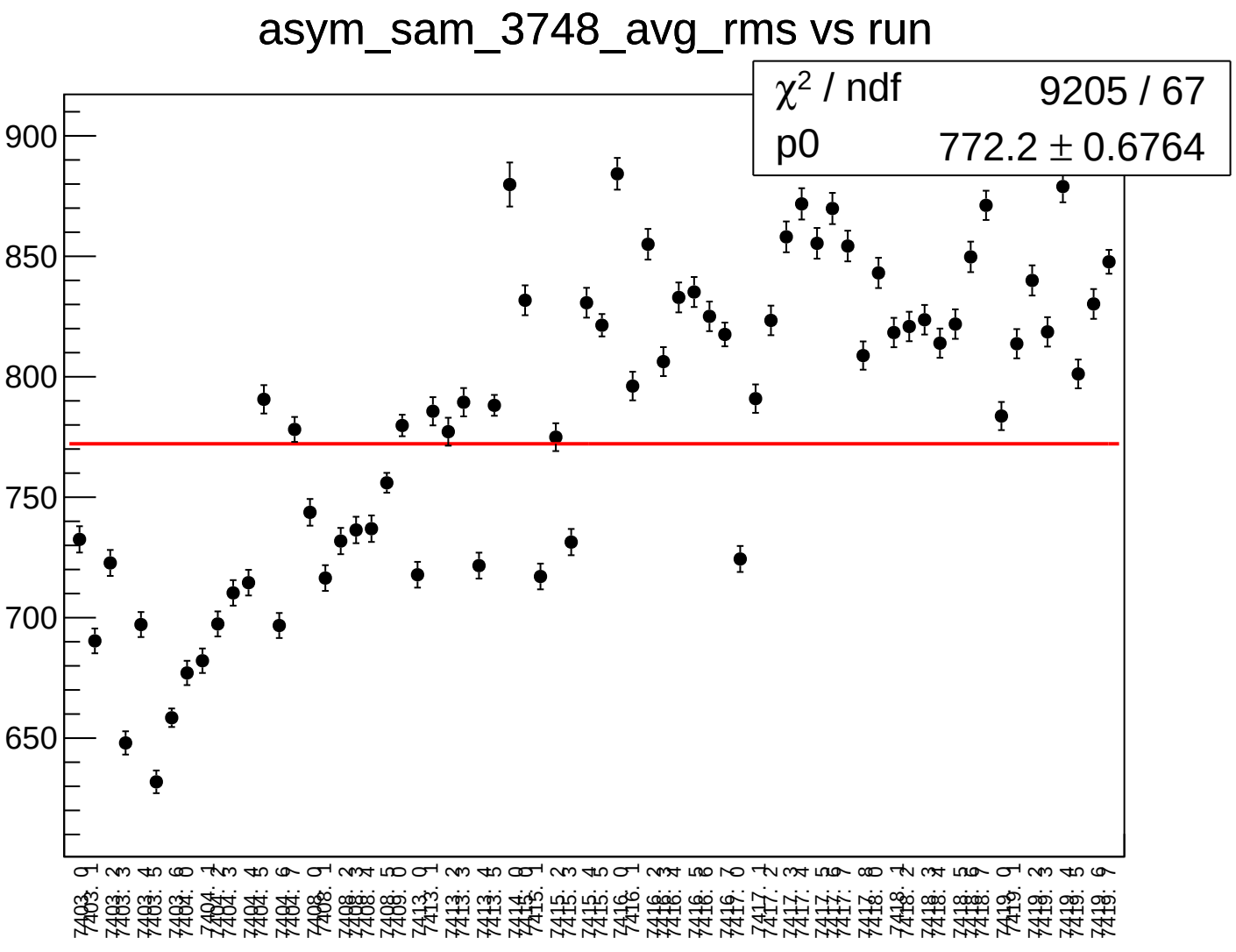

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 55.04 / 67
p0 −534.9 ± 982.8
30000
20000
10000
0
−10000
−20000
pull
Entries 68
Mean 124.1
Std Dev 83.4
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

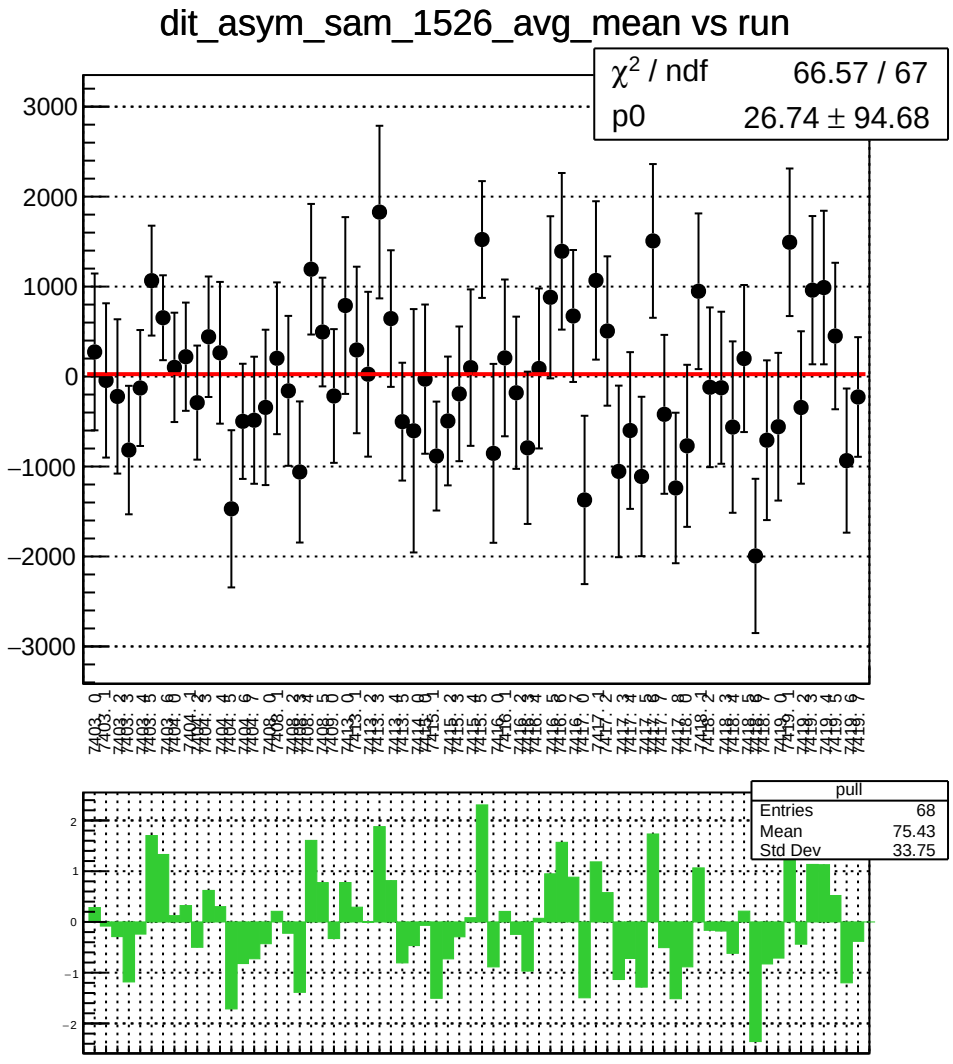

pull1D
Entries 68
Mean −0.01228
Std Dev 0.8996
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

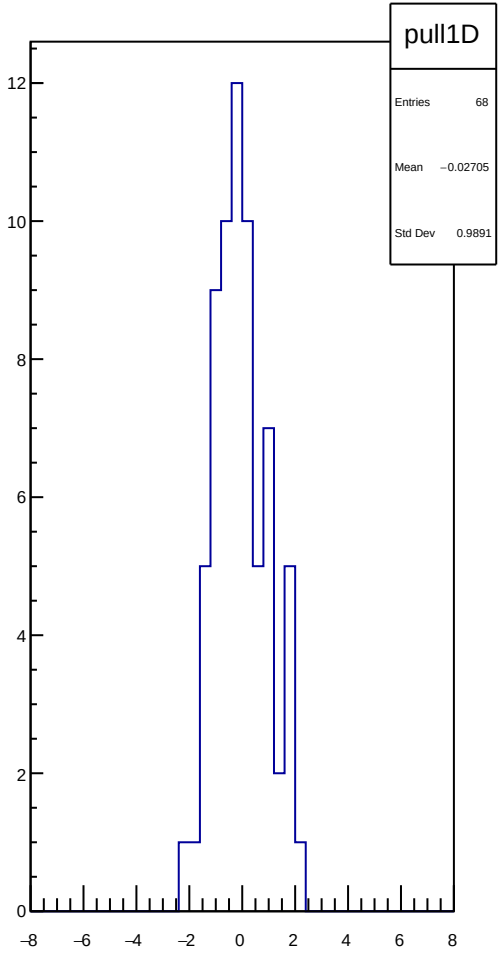

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2191 / 67
p0 795.5 ± 0.695
880
860
840
820
800
780
760
740
720

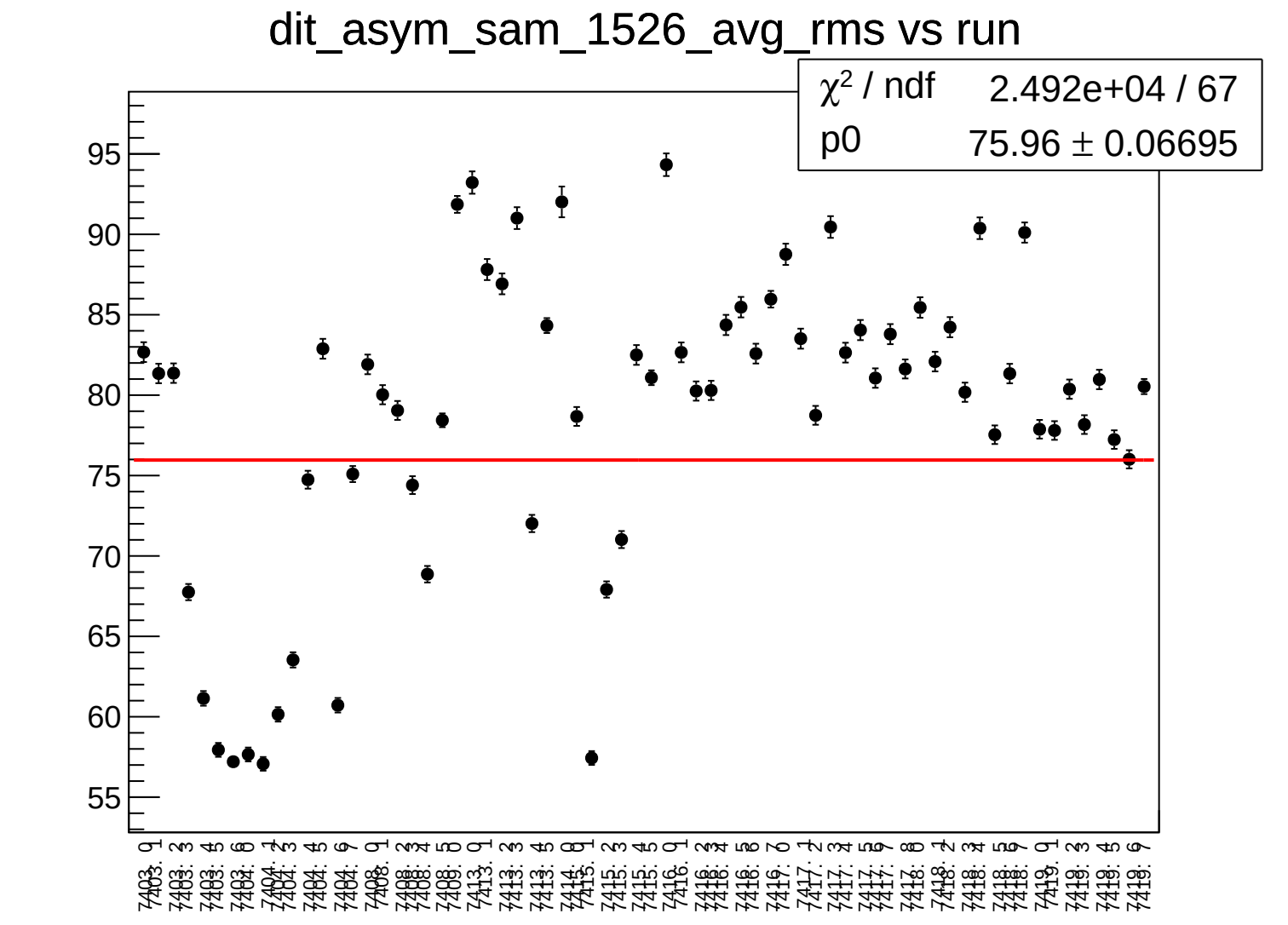

asym_sam_3748_avg_mean vs run
χ² / ndf 60.84 / 67
p0 307.5 ± 956.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 78.22
Std Dev 27.66
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

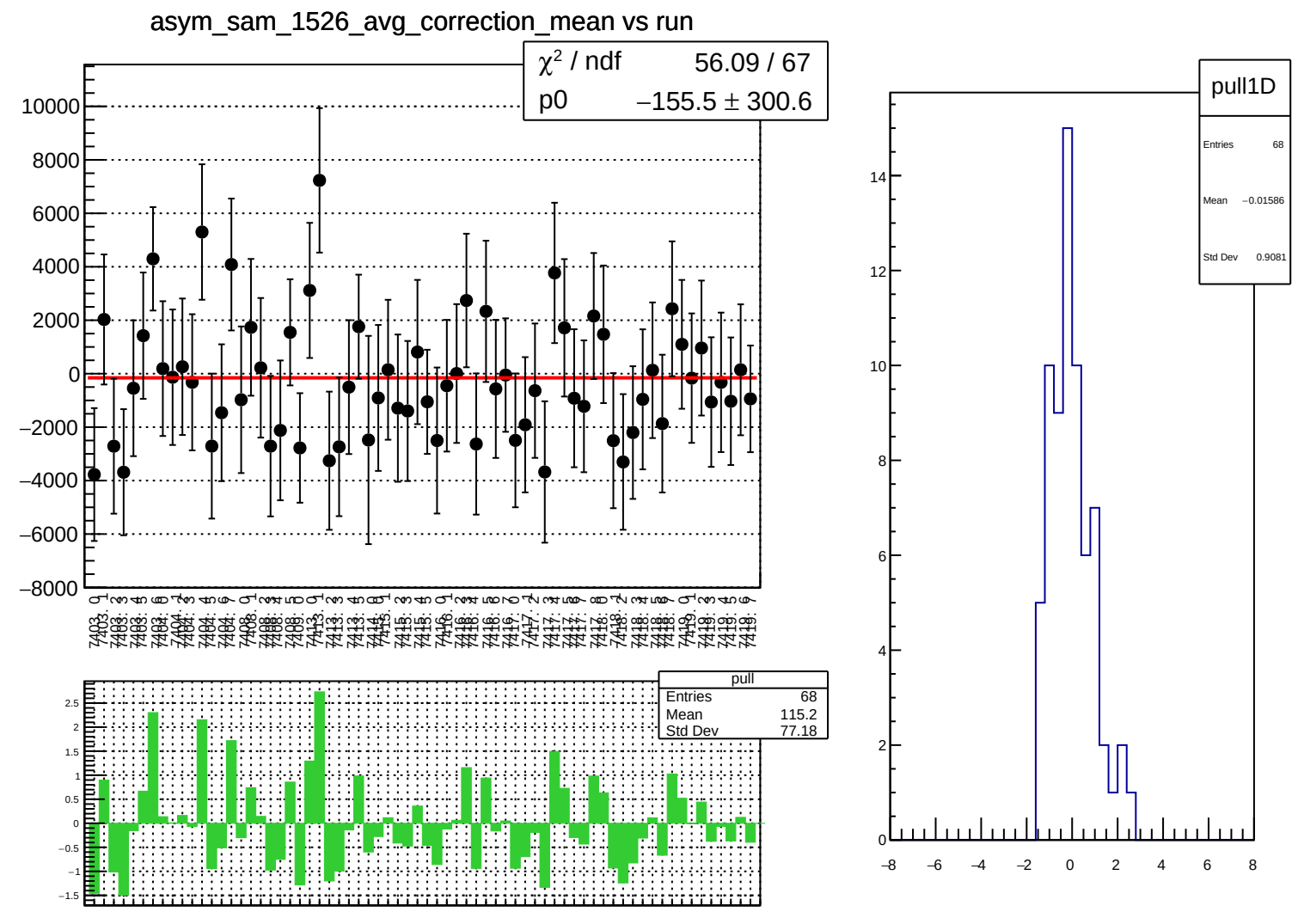

pull1D
Entries 68
Mean 0.01959
Std Dev 0.9457
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

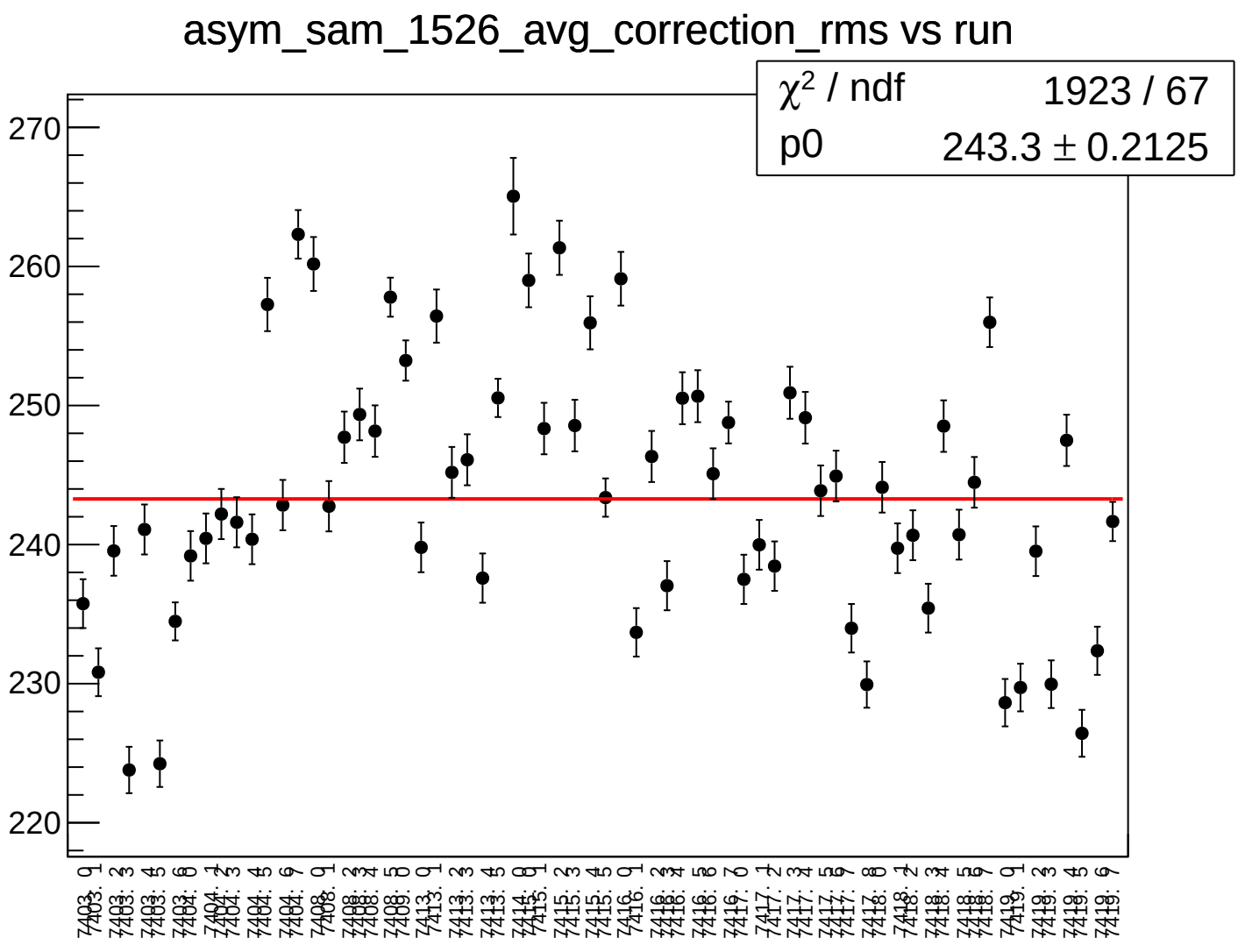

asym_sam_3748_avg_rms vs run
χ² / ndf 9205 / 67
p0 772.2 ± 0.6764
900
850
800
750
700
650

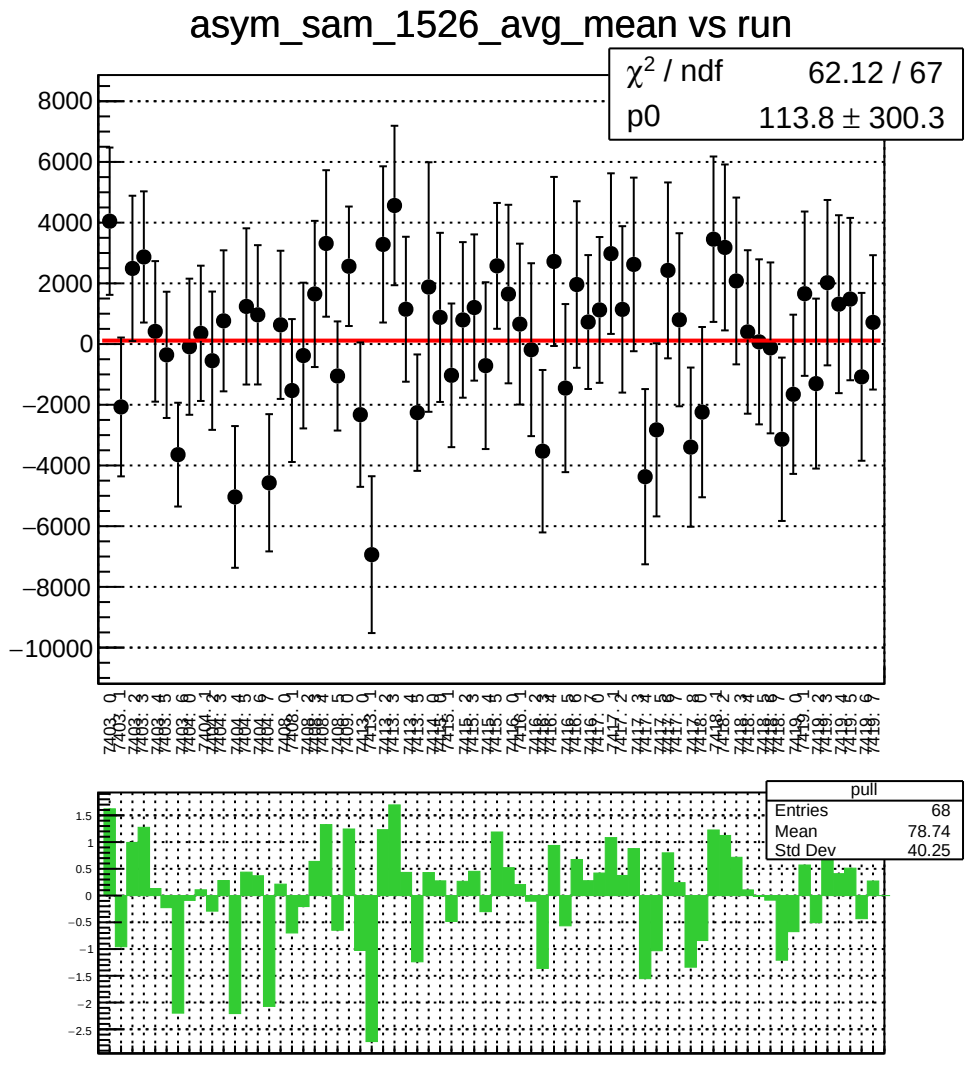

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 66.57 / 67
p0 26.74 ± 94.68
pull
Entries 68
Mean 75.43
Std Dev 33.75

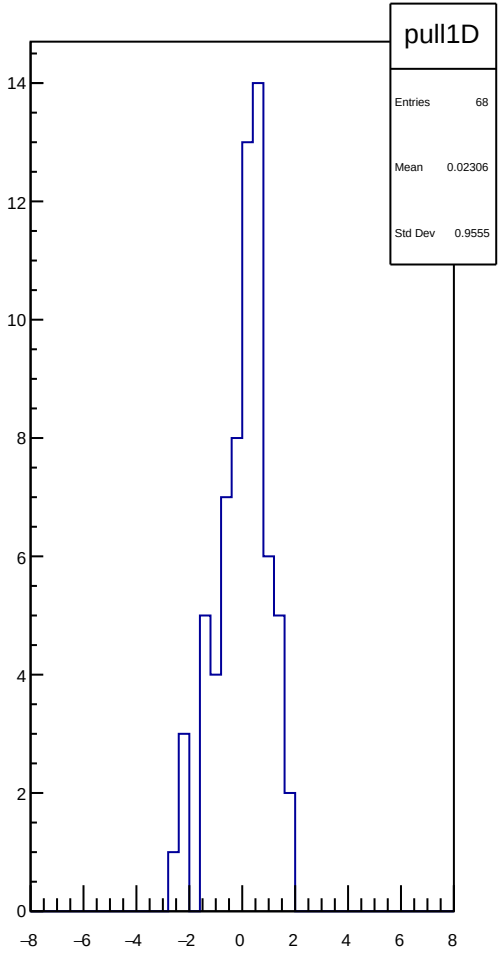

pull1D
Entries 68
Mean −0.02705
Std Dev 0.9891

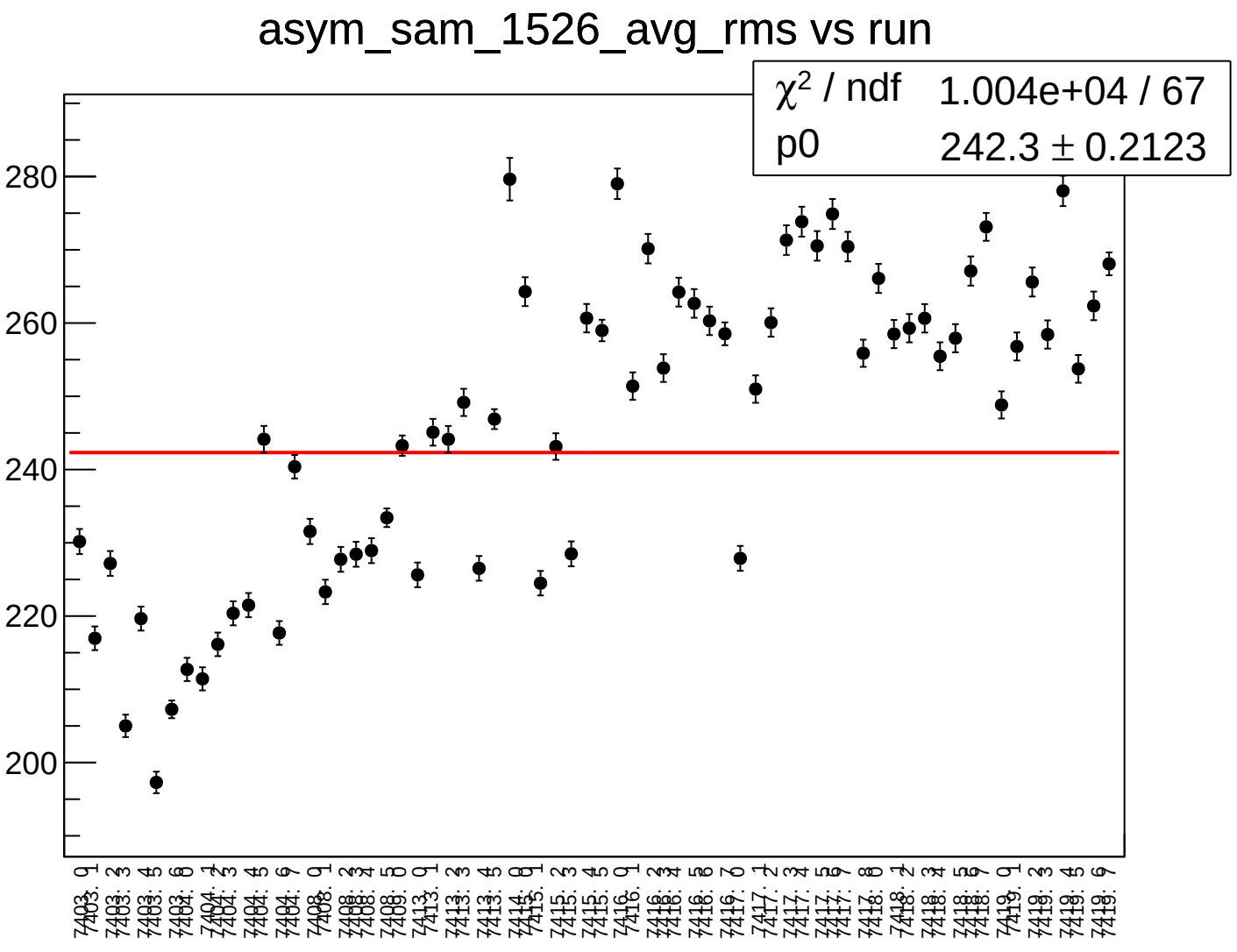

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.492e+04 / 67
p0 75.96 ± 0.06695
95
90
85
80
75
70
65
60
55

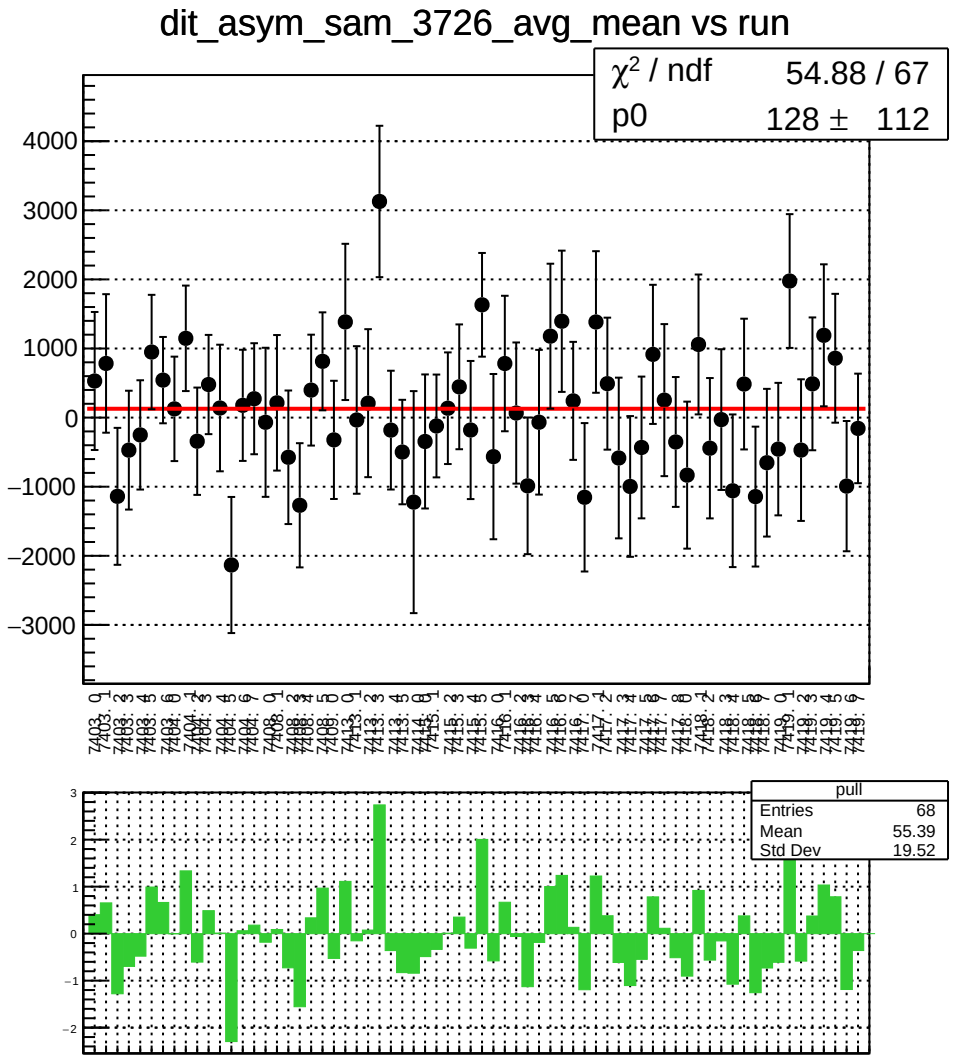

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 56.09 / 67
p0 −155.5 ± 300.6
pull
Entries 68
Mean 115.2
Std Dev 77.18
pull1D
Entries 68
Mean −0.01586
Std Dev 0.9081

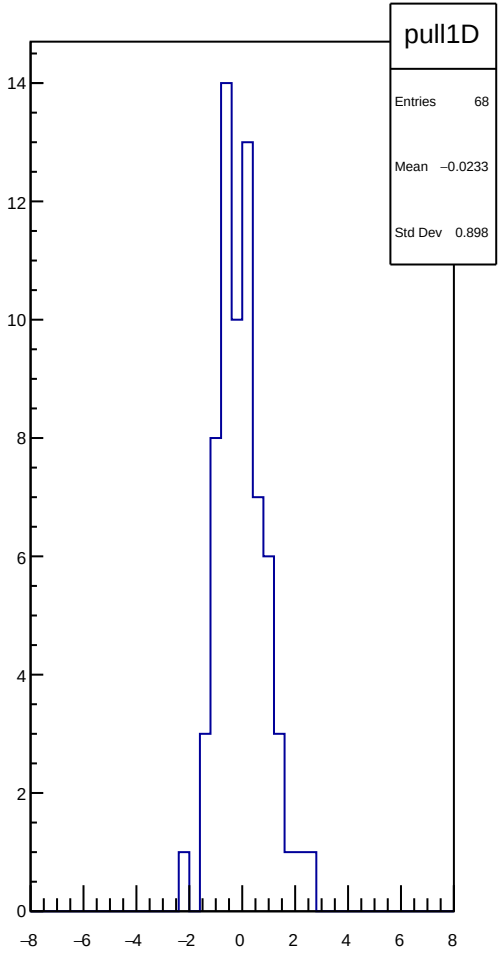

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1923 / 67
p0 243.3 ± 0.2125
270
260
250
240
230
220

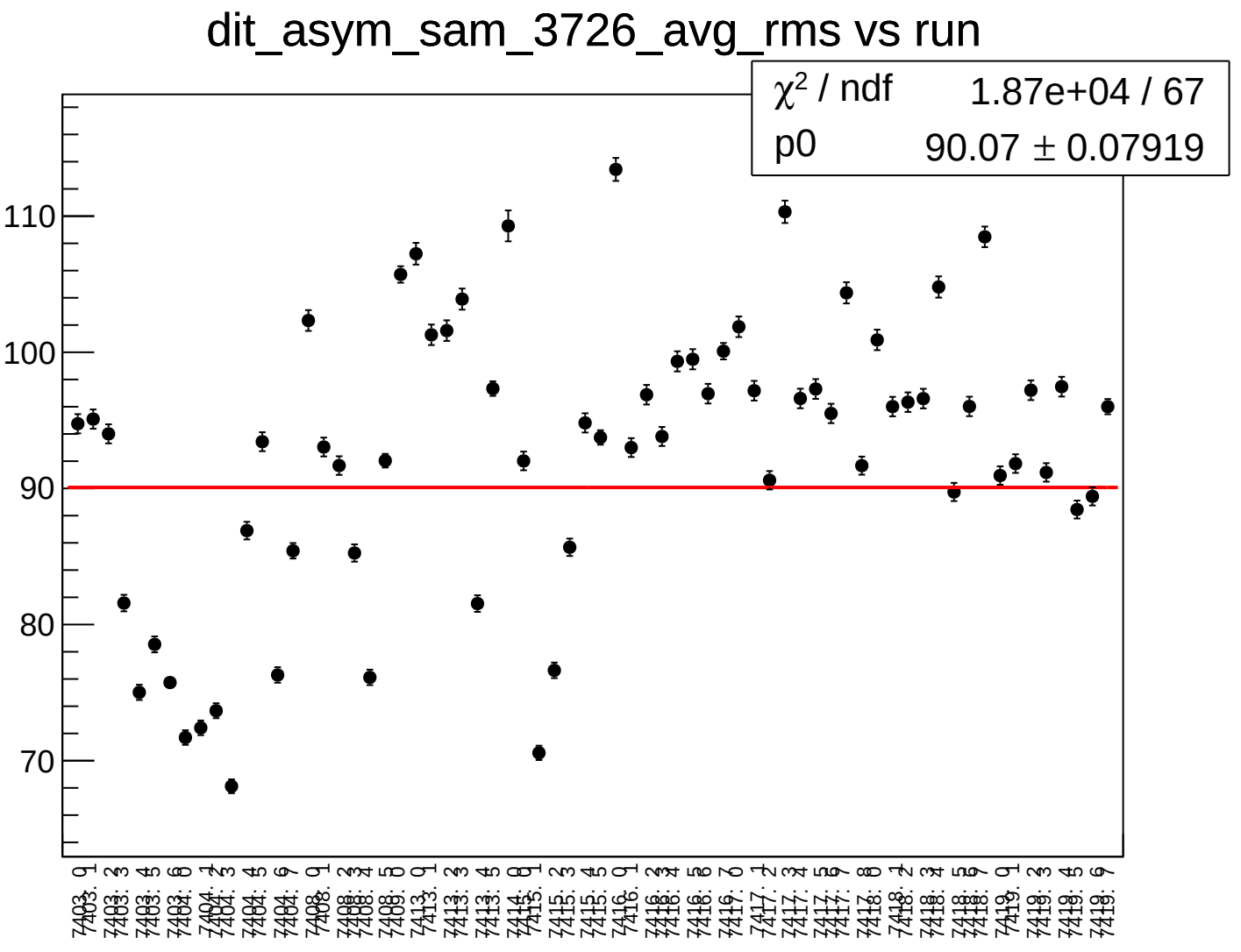

asym_sam_1526_avg_mean vs run
χ² / ndf 62.12 / 67
p0 113.8 ± 300.3
pull
Entries 68
Mean 78.74
Std Dev 40.25

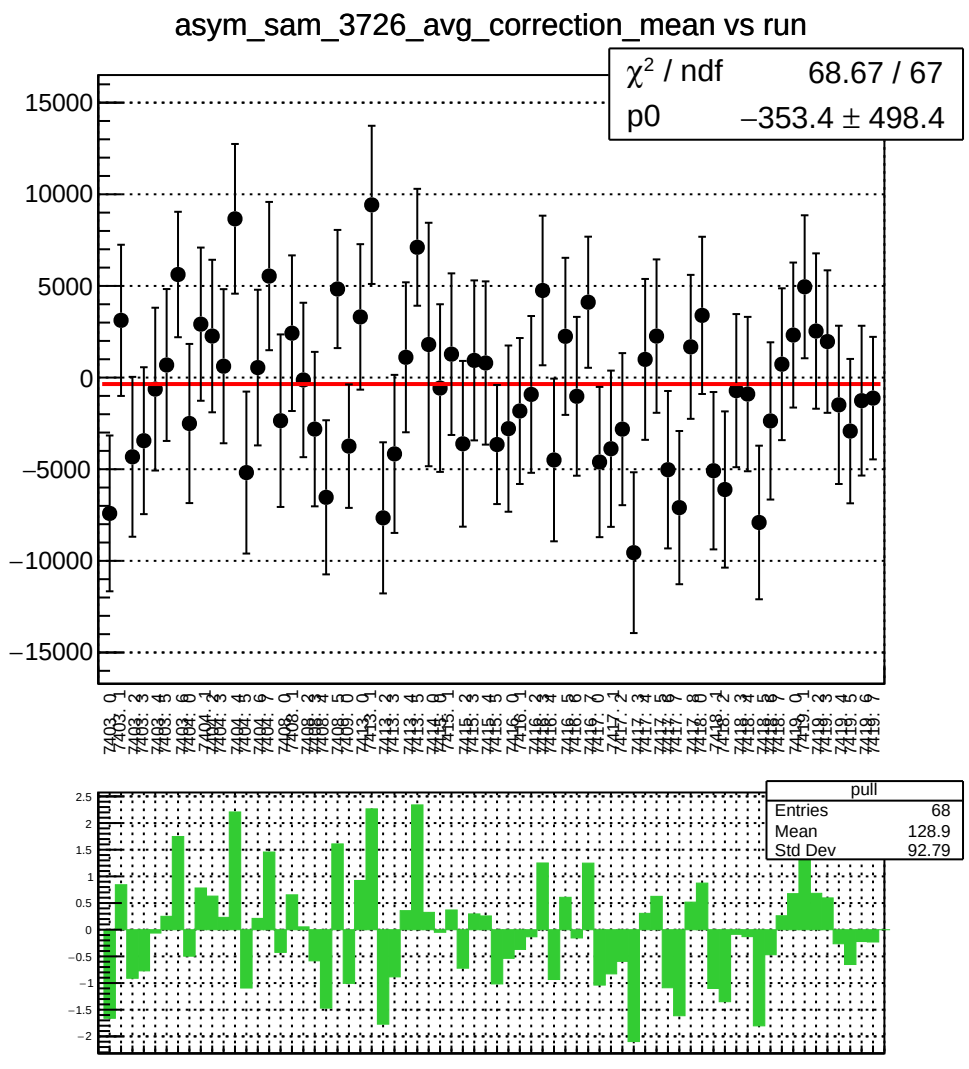

pull1D
Entries 68
Mean 0.02306
Std Dev 0.9555

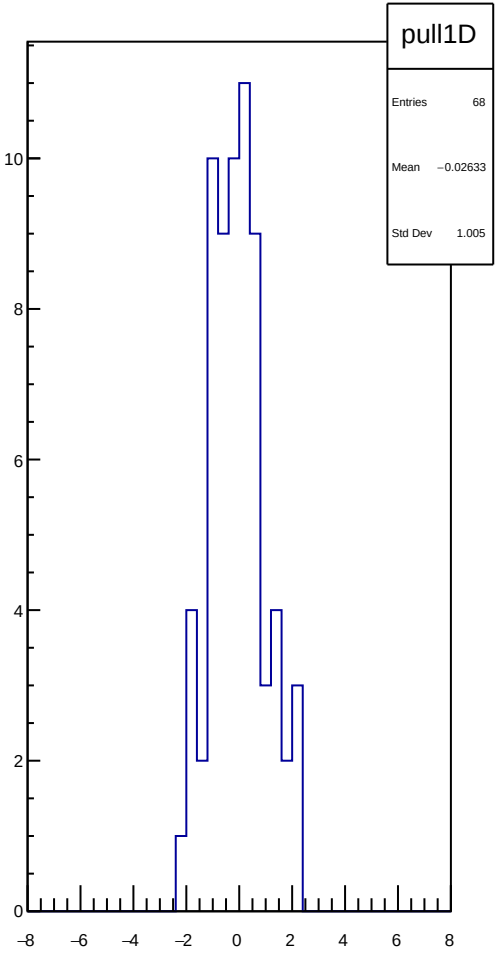

asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.004e+04 / 67
p0 242.3 ± 0.2123
280
260
240
220
200

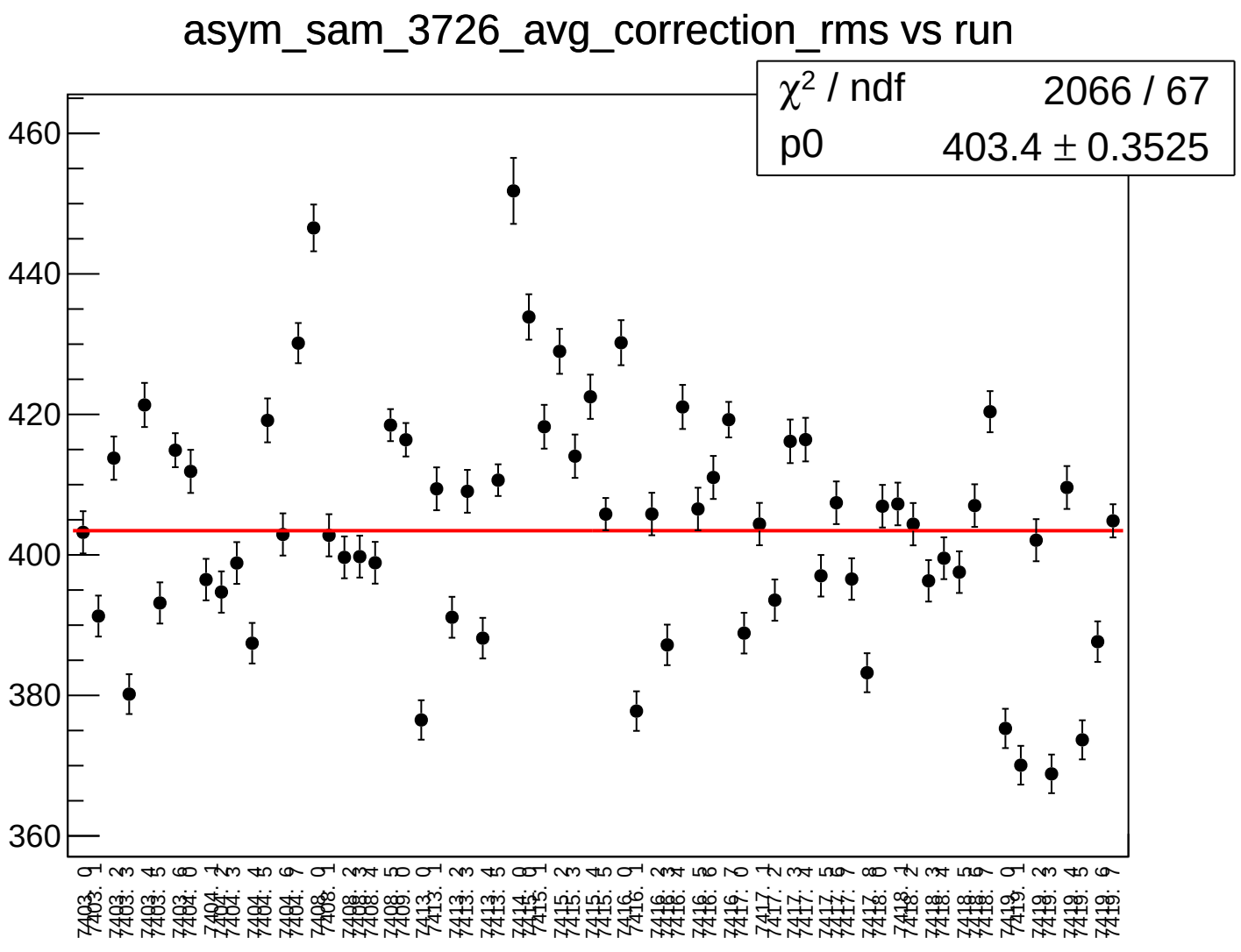

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 54.88 / 67
p0 128 ± 112
pull
Entries 68
Mean 55.39
Std Dev 19.52

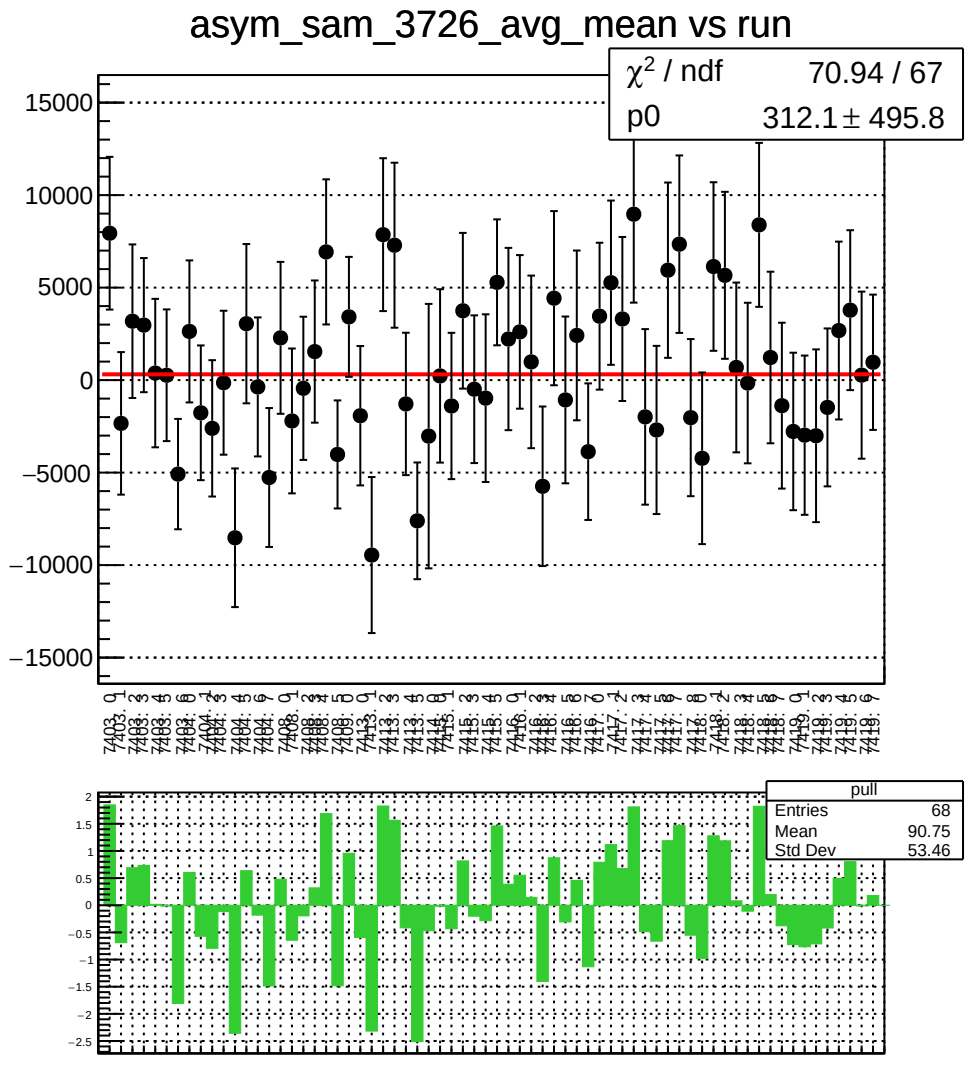

pull1D
Entries 68
Mean −0.0233
Std Dev 0.898

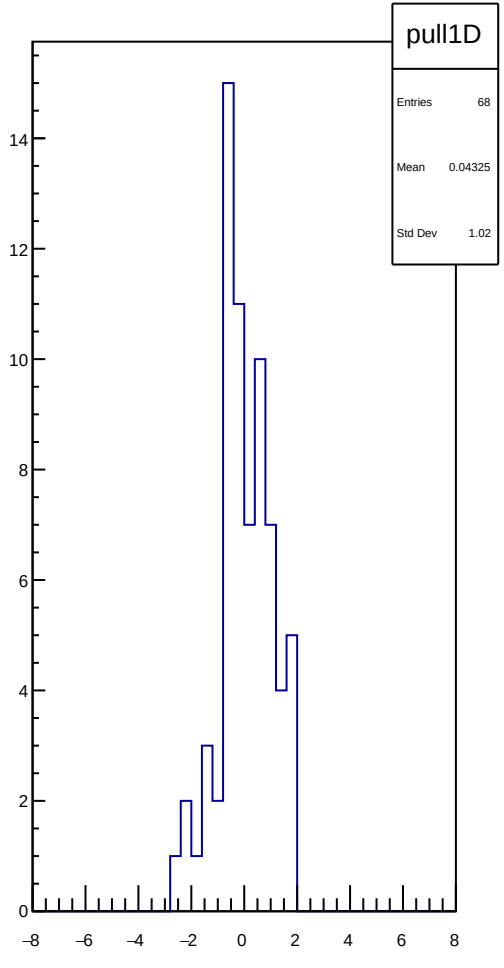

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.87e+04 / 67
p0 90.07 ± 0.07919
110
100
90
80
70

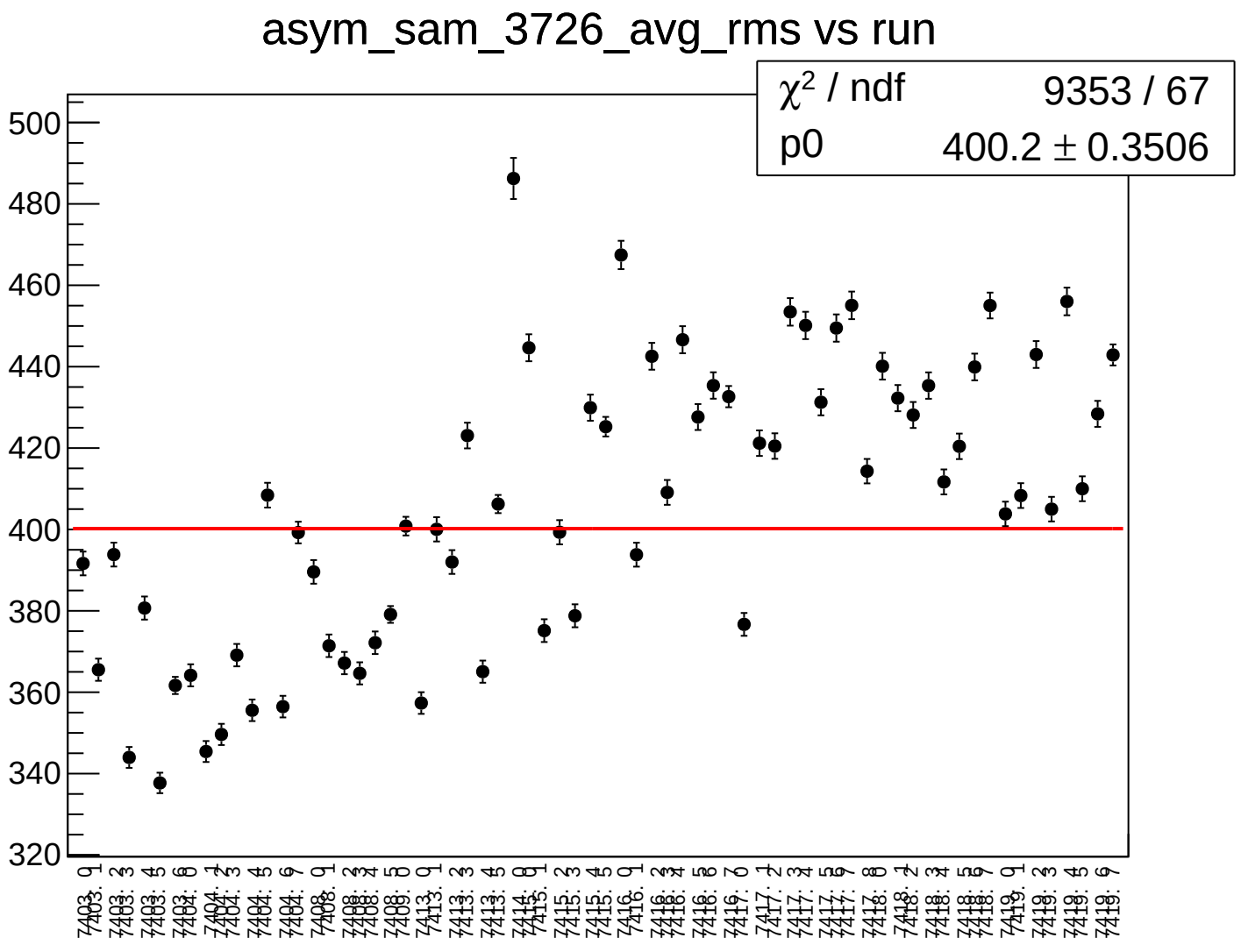

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 68.67 / 67
p0 −353.4 ± 498.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 128.9
Std Dev 92.79
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

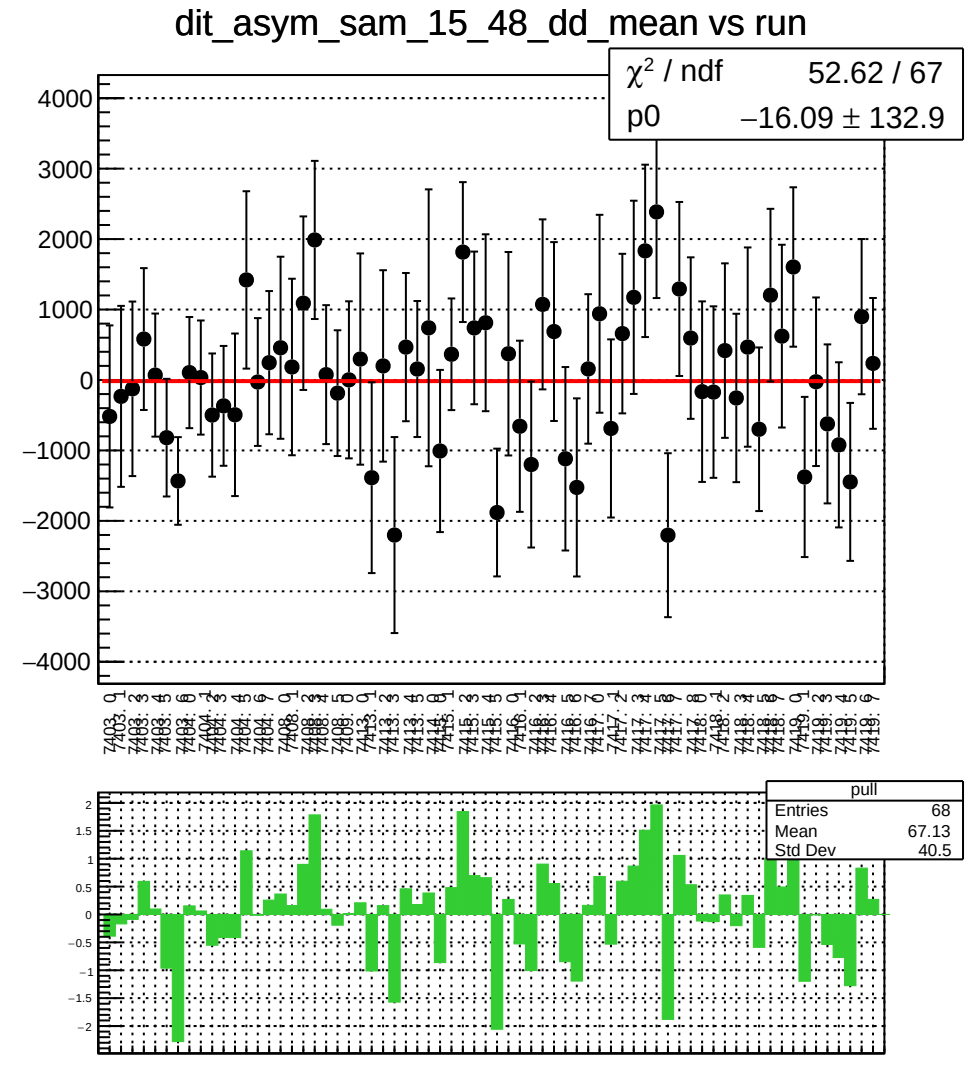

pull1D
Entries 68
Mean −0.02633
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

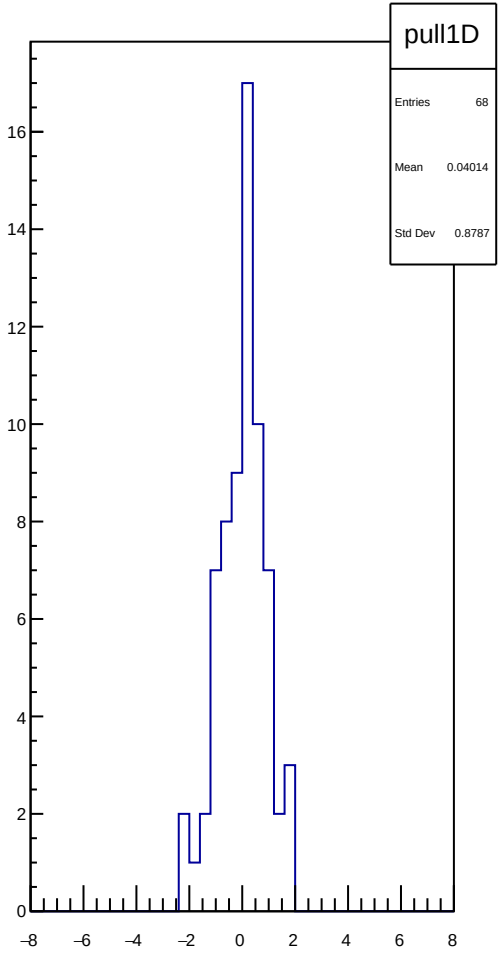

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2066 / 67
p0 403.4 ± 0.3525
460
440
420
400
380
360

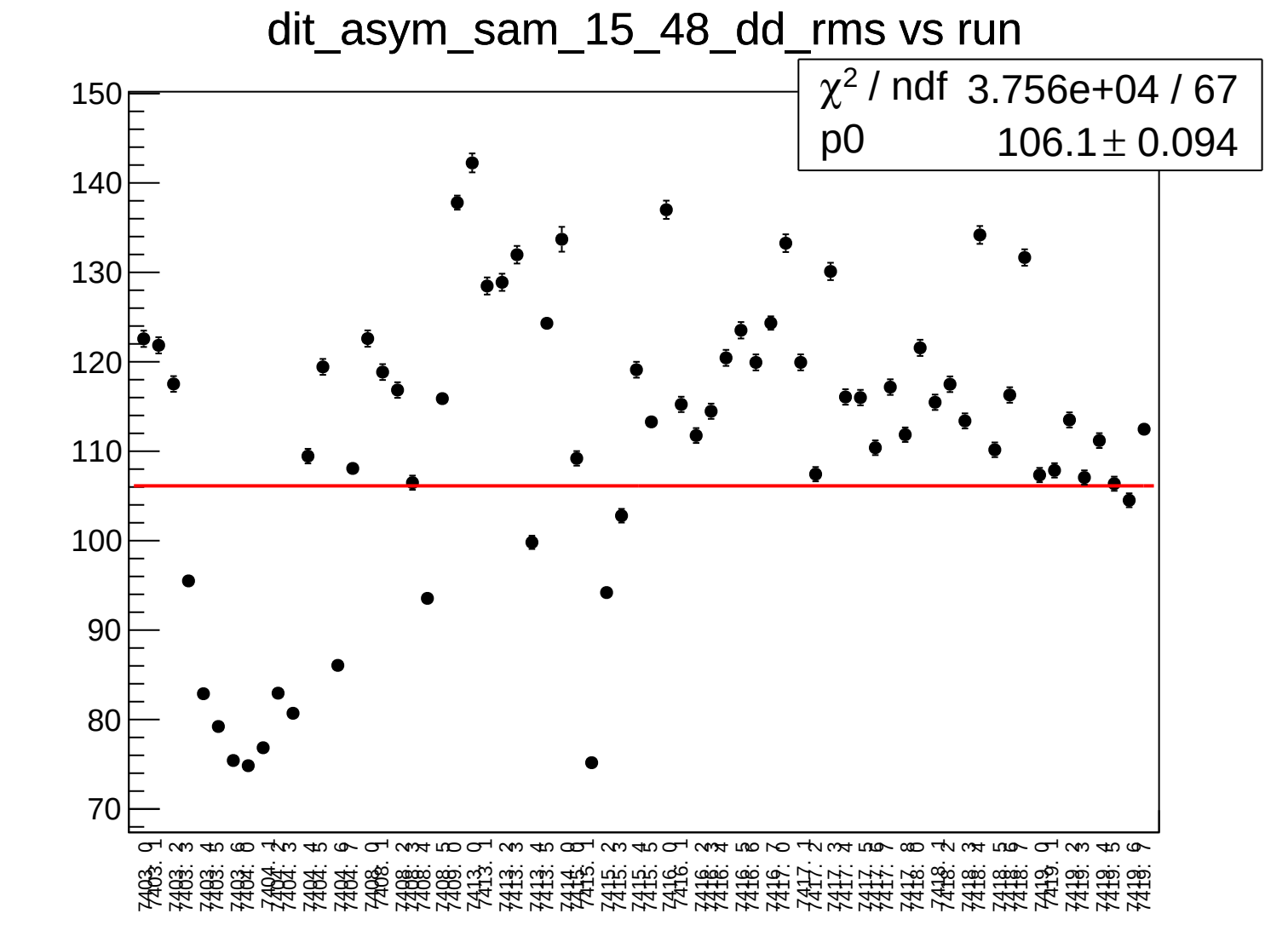

asym_sam_3726_avg_mean vs run
χ² / ndf 70.94 / 67
p0 312.1 ± 495.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 90.75
Std Dev 53.46
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

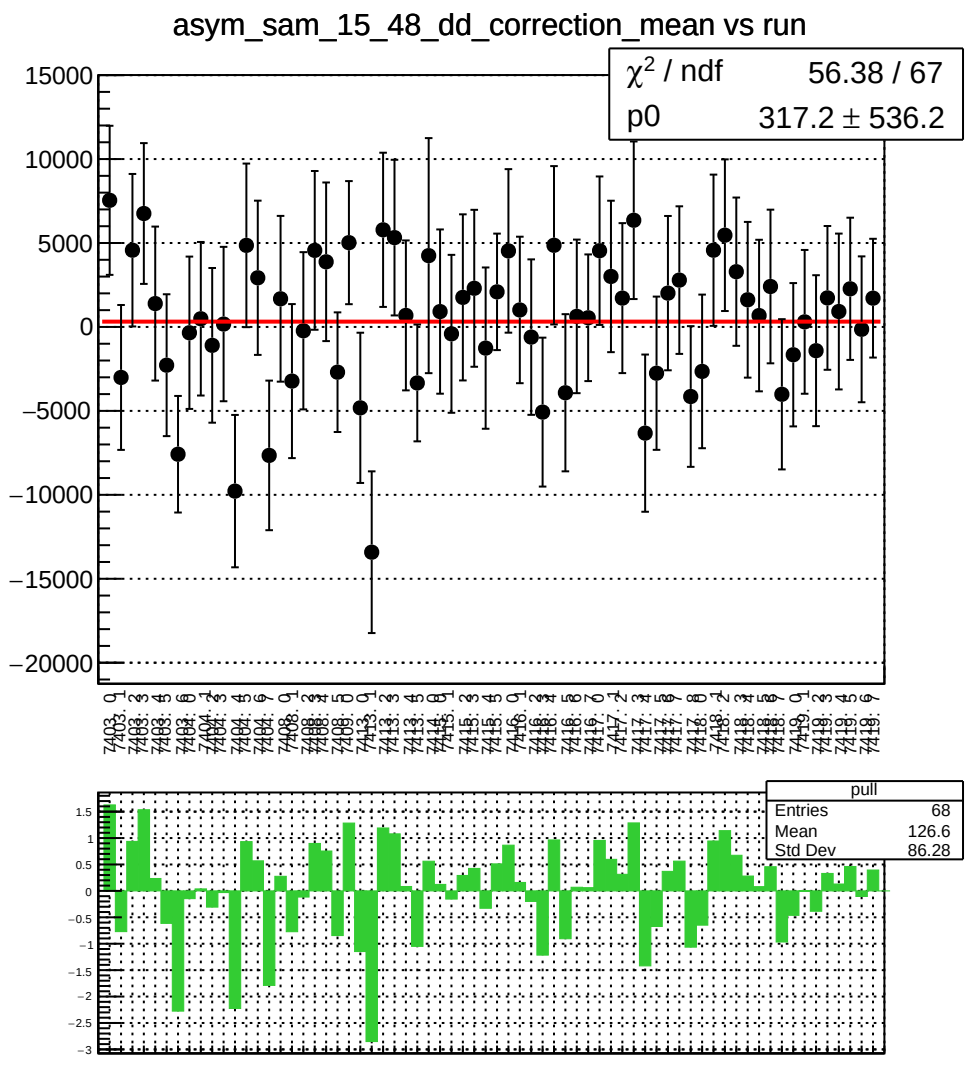

pull1D
Entries 68
Mean 0.04325
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

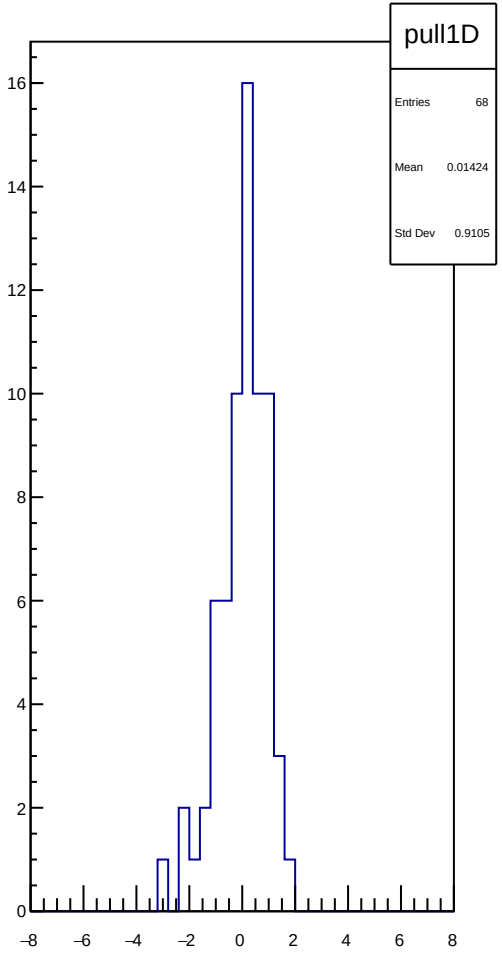

asym_sam_3726_avg_rms vs run
χ² / ndf 9353 / 67
p0 400.2 ± 0.3506
500
480
460
440
420
400
380
360
340
320

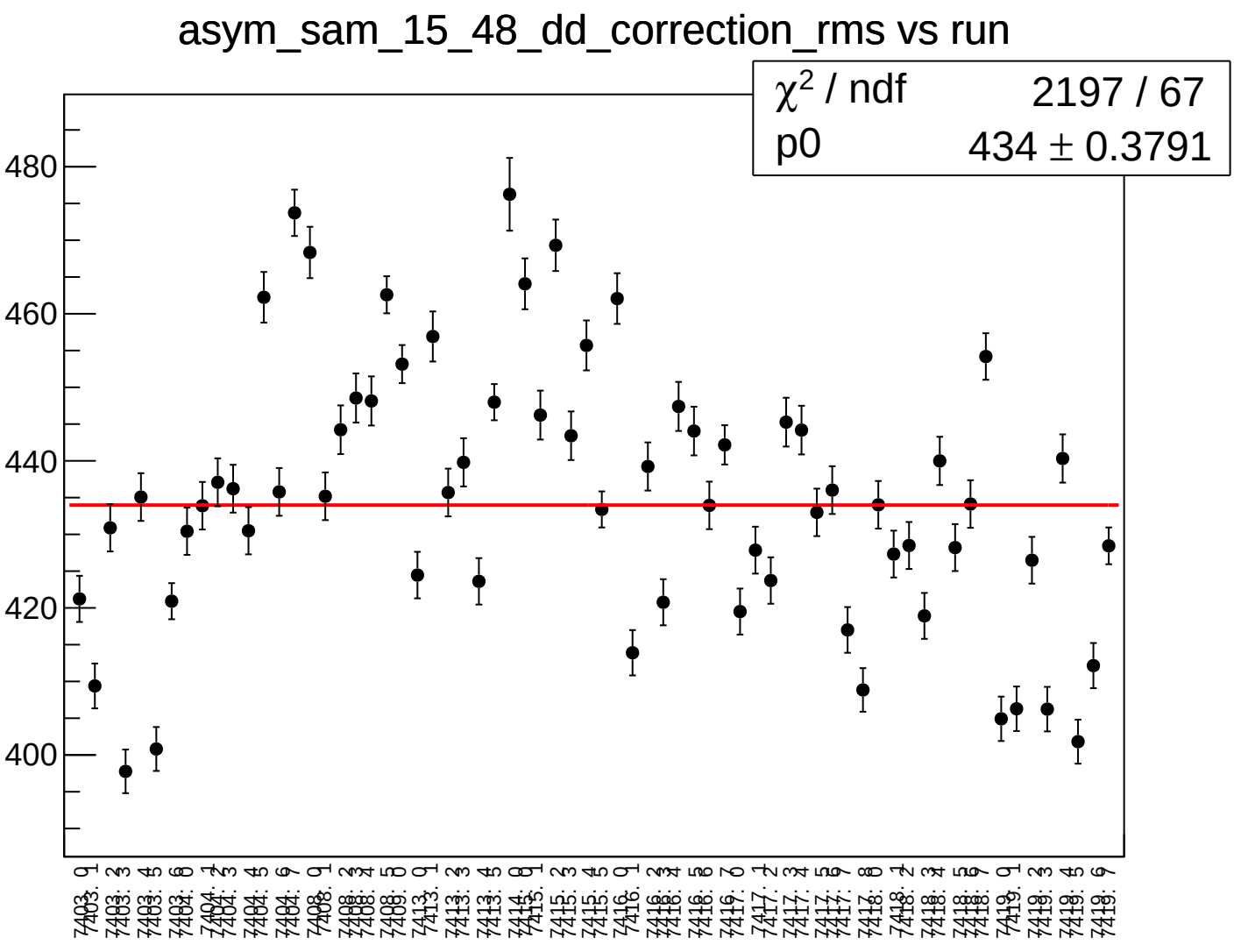

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 52.62 / 67
p0 −16.09 ± 132.9
pull
Entries 68
Mean 67.13
Std Dev 40.5

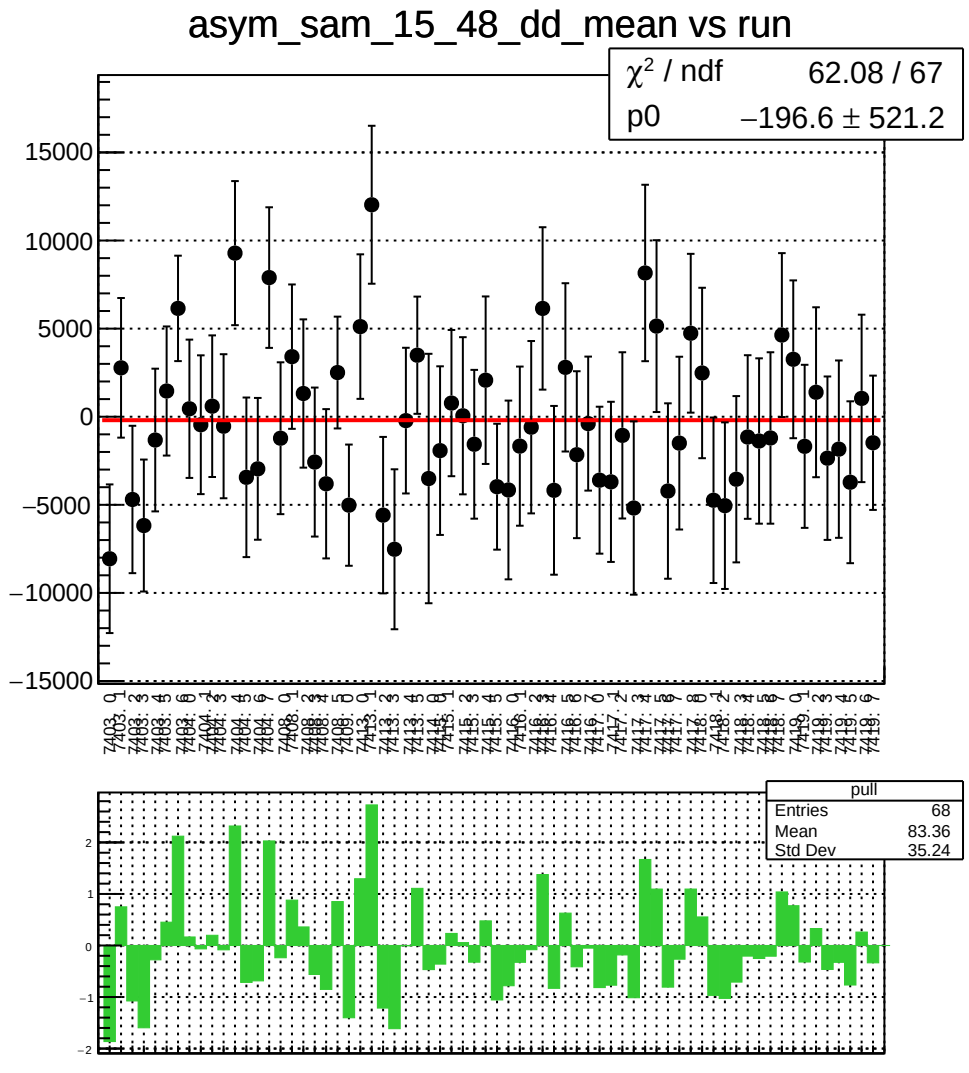

pull1D
Entries 68
Mean 0.04014
Std Dev 0.8787

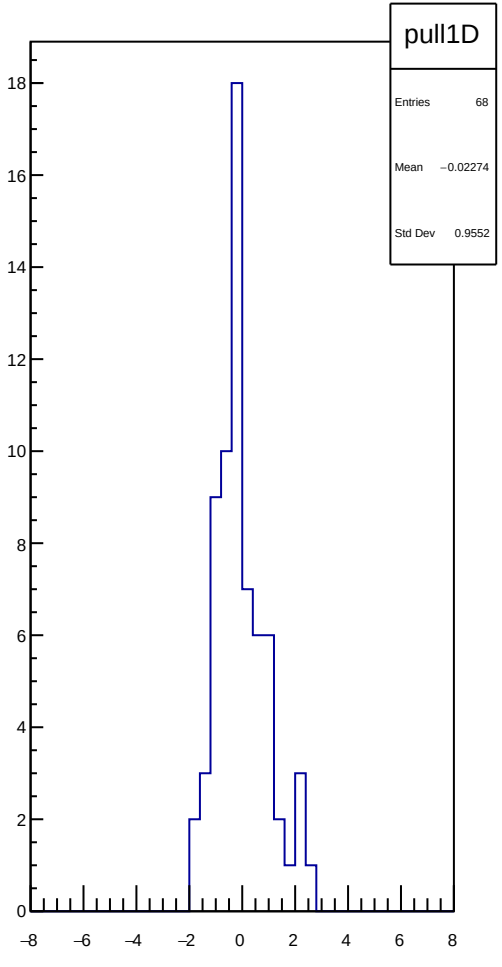

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3.756e+04 / 67
p0 106.1 ± 0.094
150
140
130
120
110
100
90
80
70

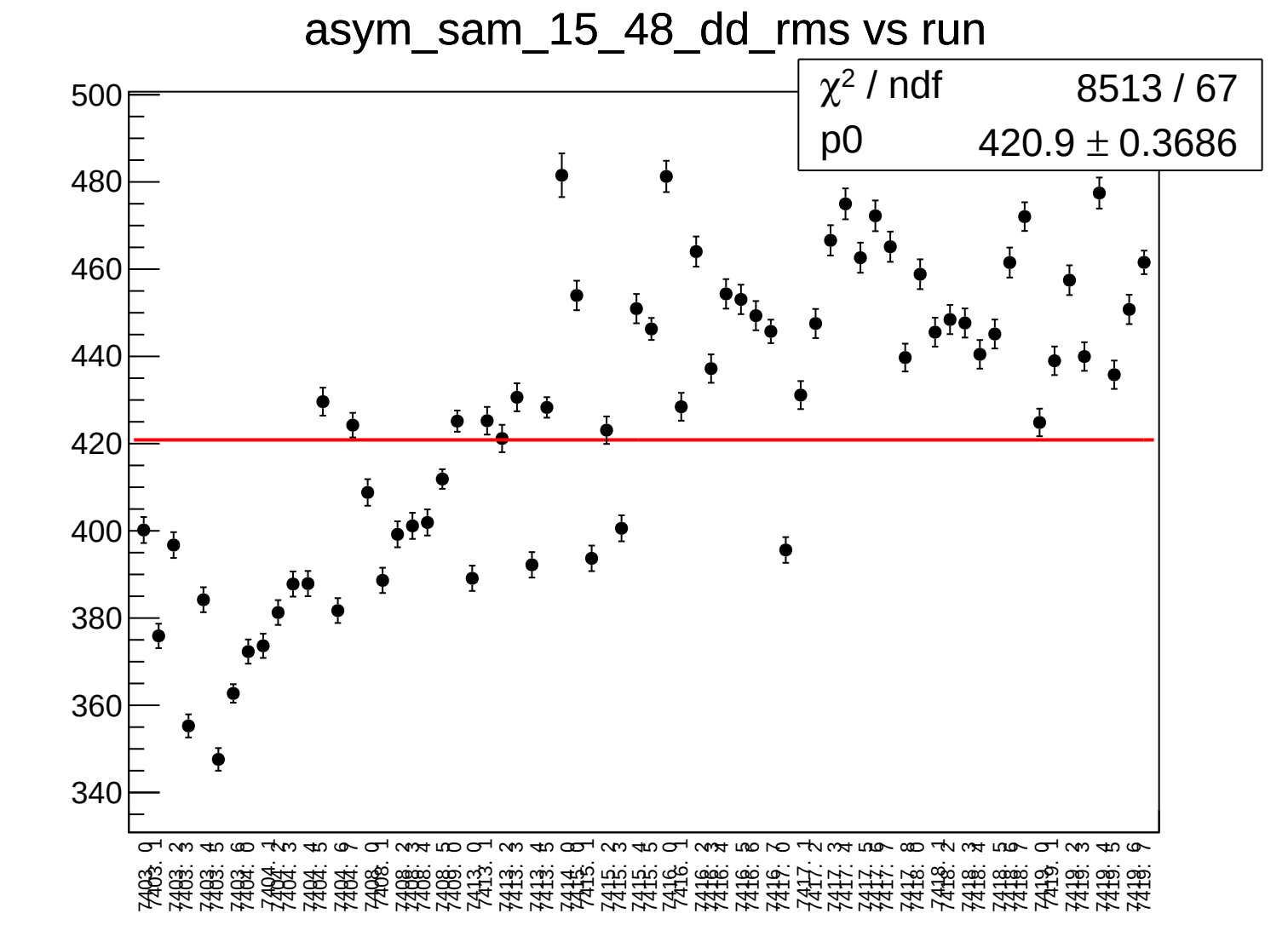

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 56.38 / 67
p0 317.2 ± 536.2
pull
Entries 68
Mean 126.6
Std Dev 86.28

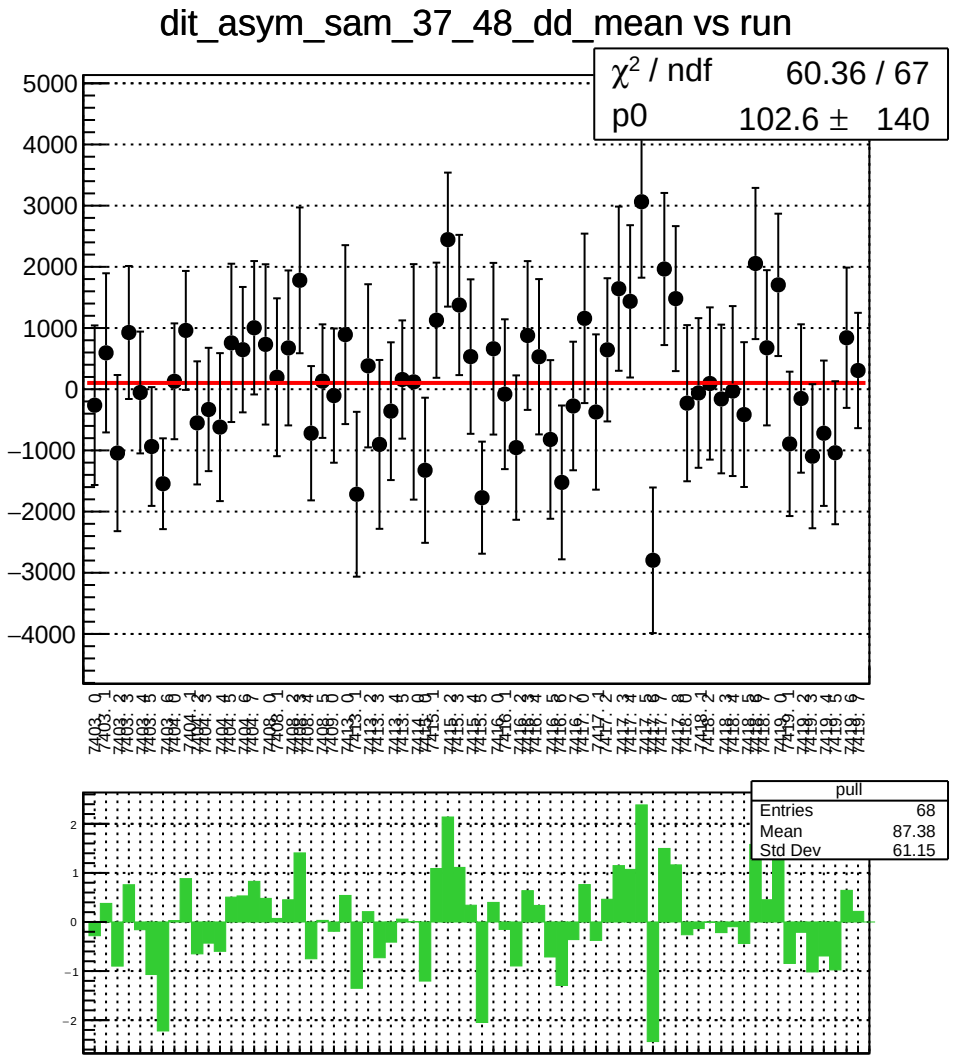

pull1D
Entries 68
Mean 0.01424
Std Dev 0.9105

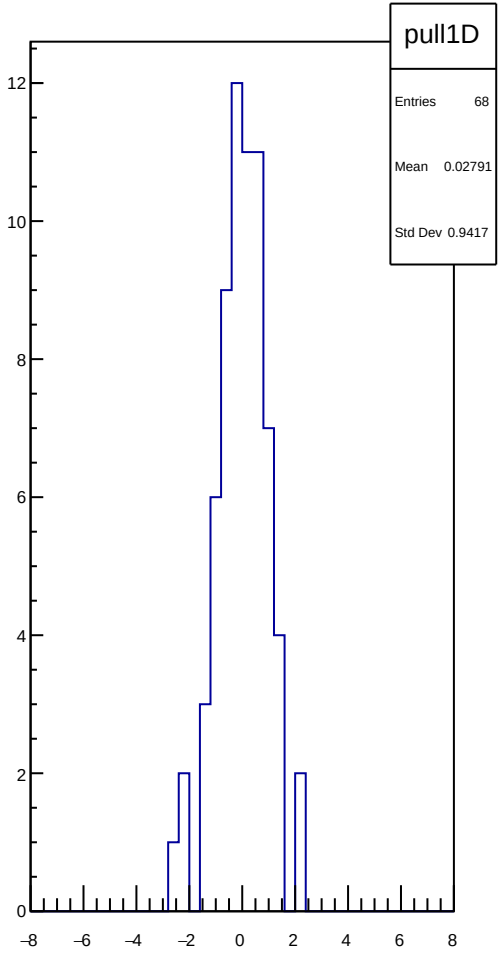

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2197 / 67
p0 434 ± 0.3791
480
460
440
420
400

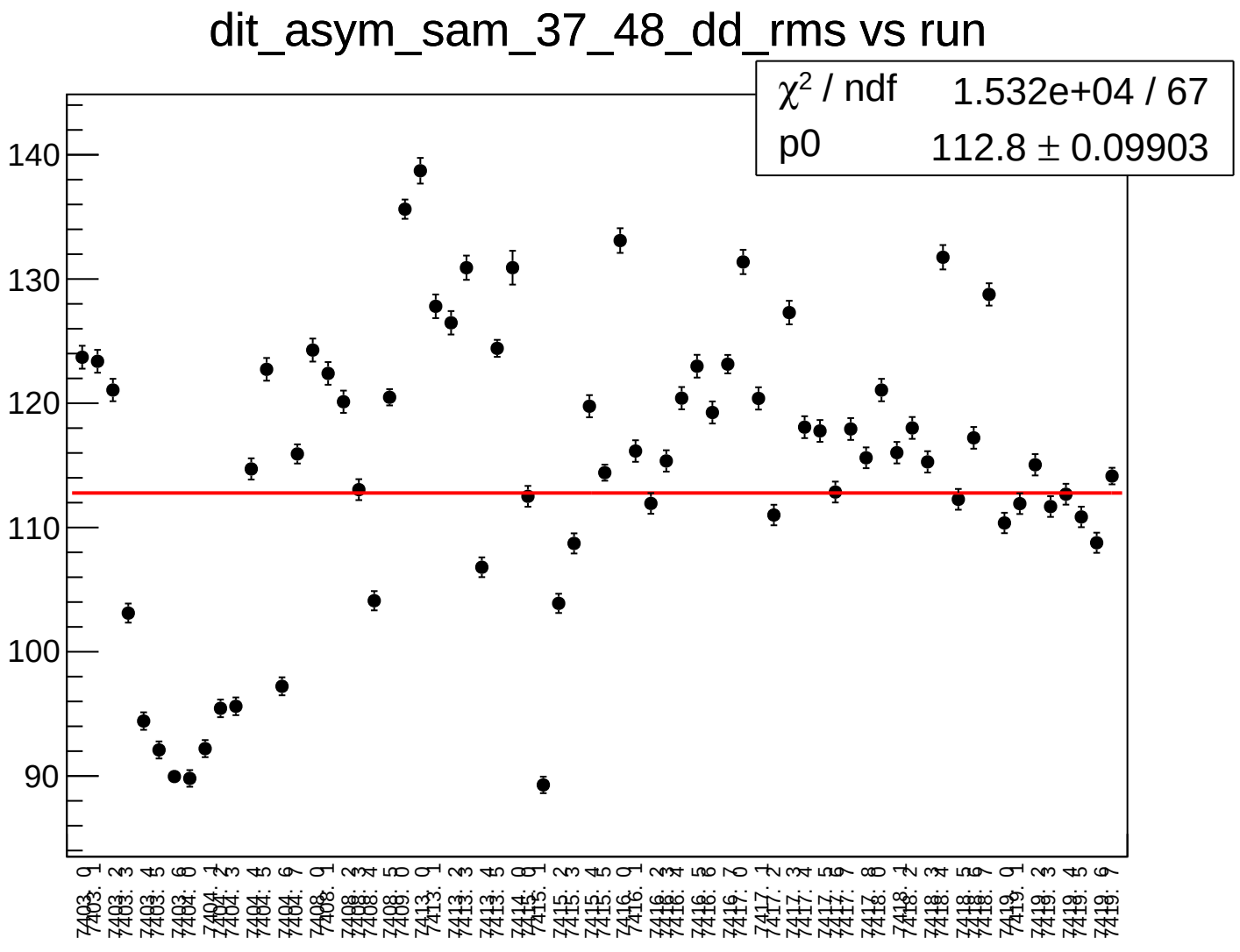

asym_sam_15_48_dd_mean vs run
χ² / ndf 62.08 / 67
p0 −196.6 ± 521.2
pull
Entries 68
Mean 83.36
Std Dev 35.24

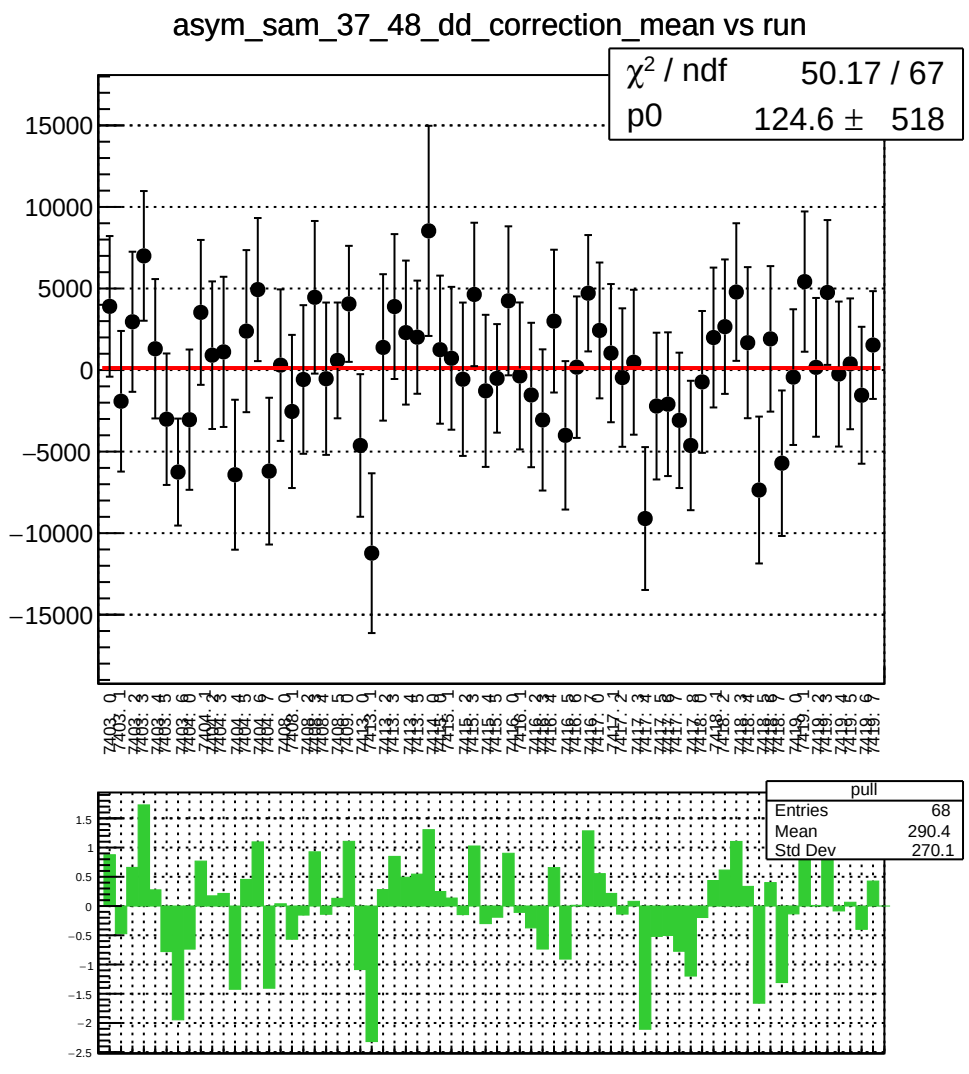

pull1D
Entries 68
Mean −0.02274
Std Dev 0.9552

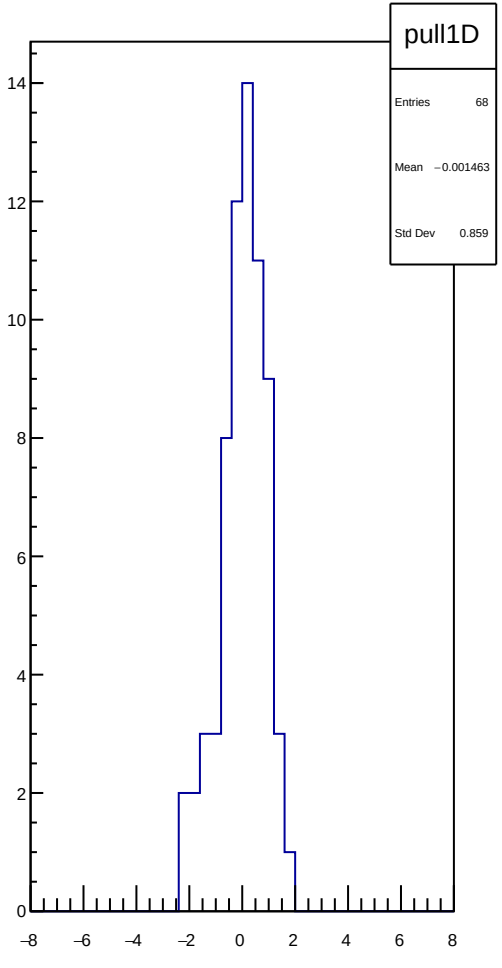

asym_sam_15_48_dd_rms vs run
χ² / ndf 8513 / 67
p0 420.9 ± 0.3686
500
480
460
440
420
400
380
360
340

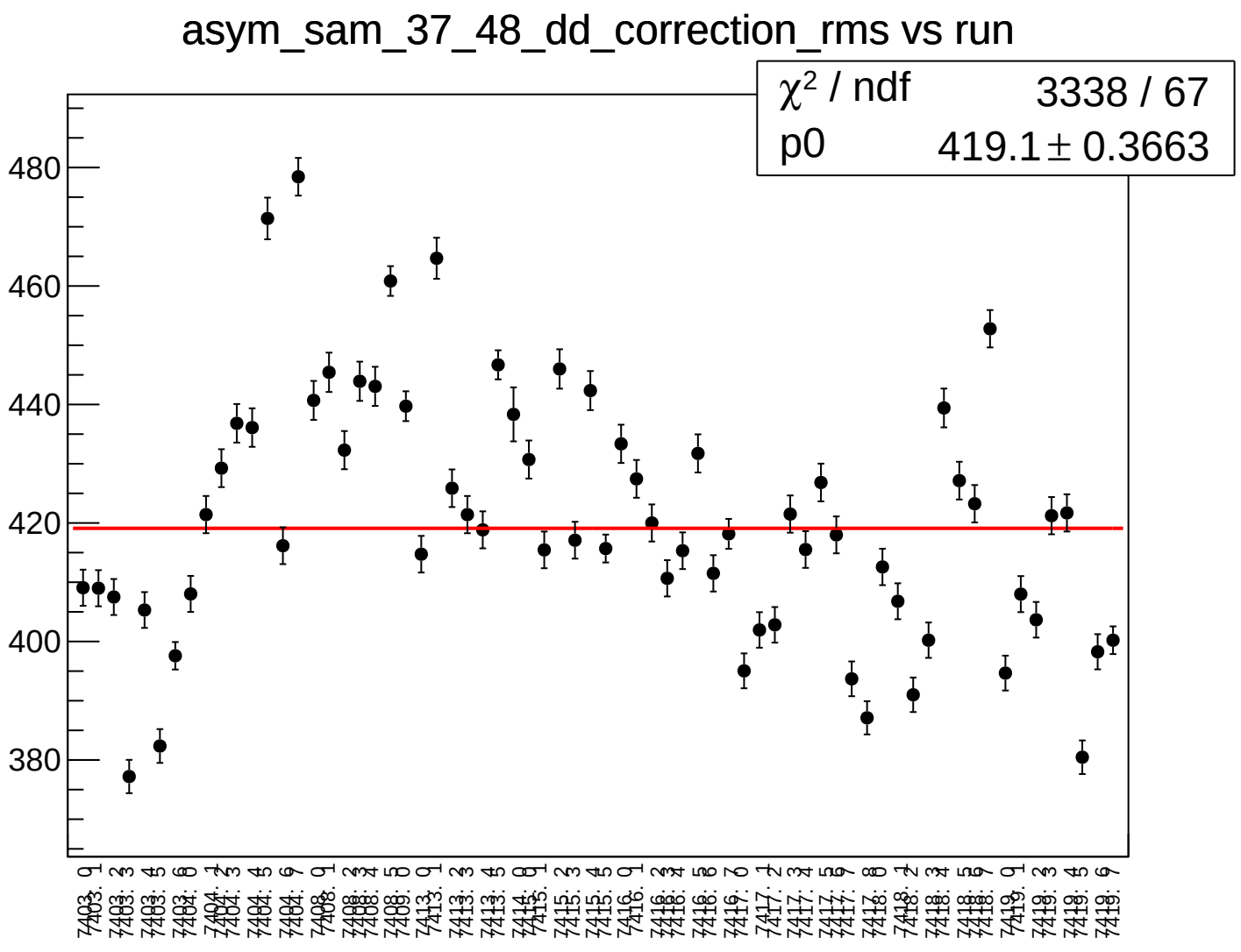

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 60.36 / 67
p0 102.6 ± 140
pull
Entries 68
Mean 87.38
Std Dev 61.15

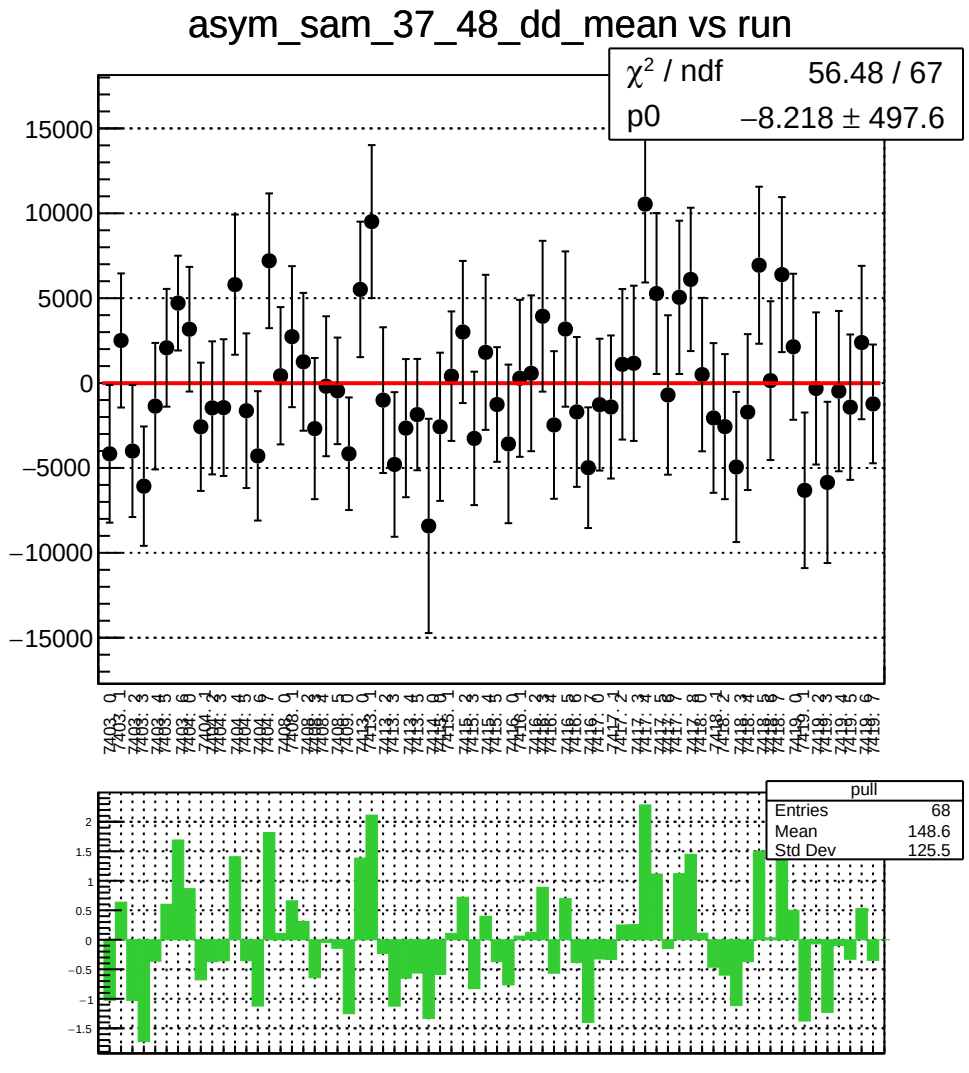

pull1D
Entries 68
Mean 0.02791
Std Dev 0.9417

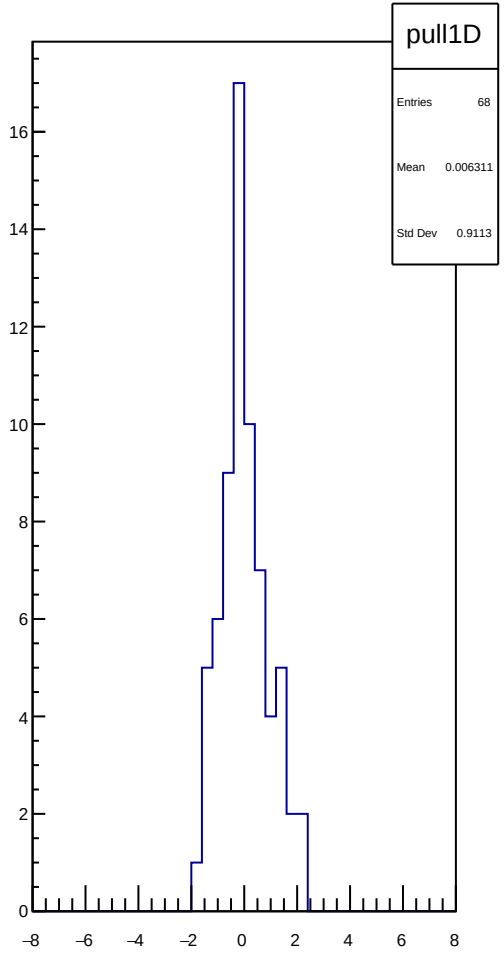

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.532e+04 / 67
p0 112.8 ± 0.09903
140
130
120
110
100
90

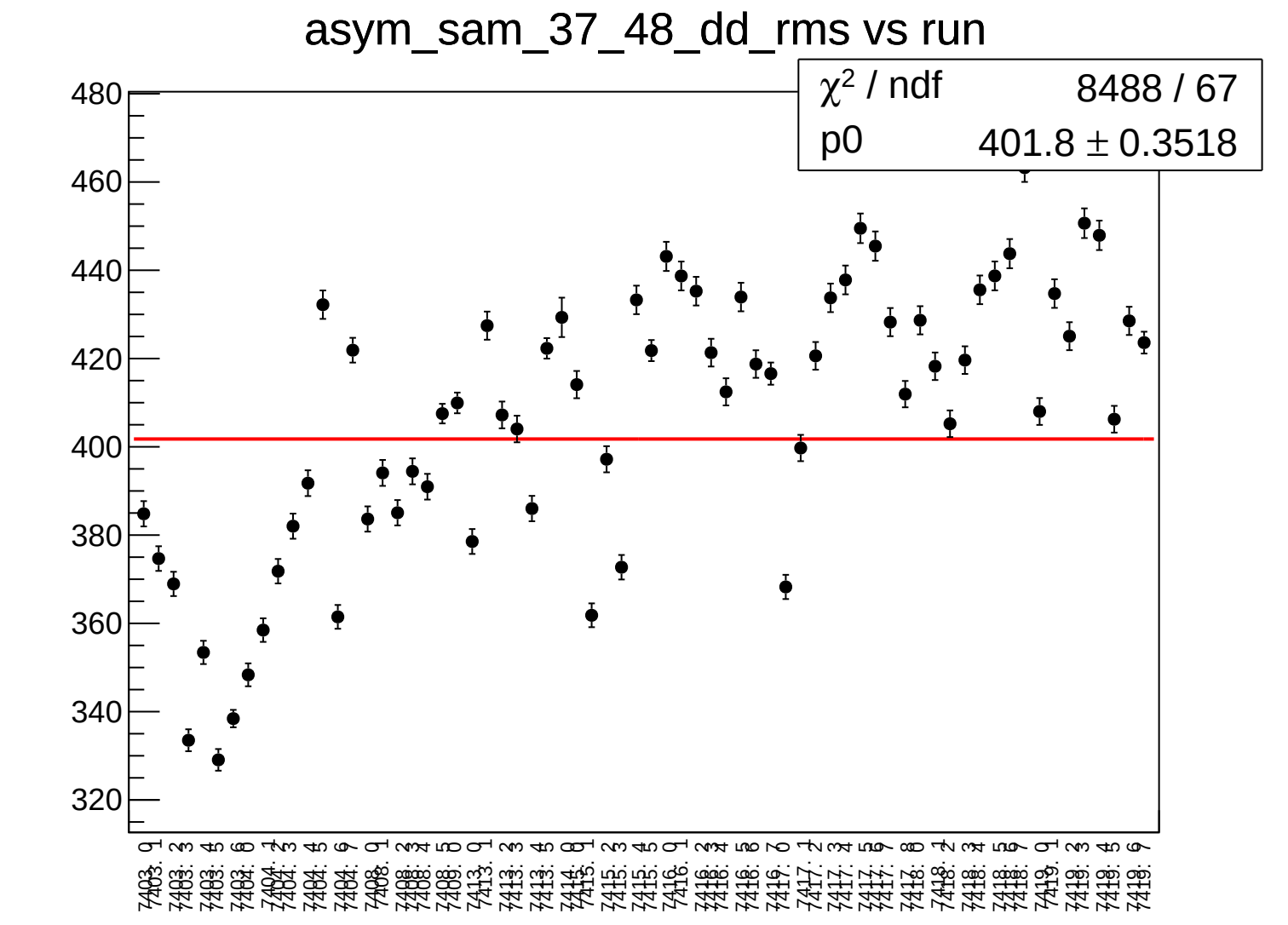

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 50.17 / 67
p0 124.6 ± 518
pull
Entries 68
Mean 290.4
Std Dev 270.1

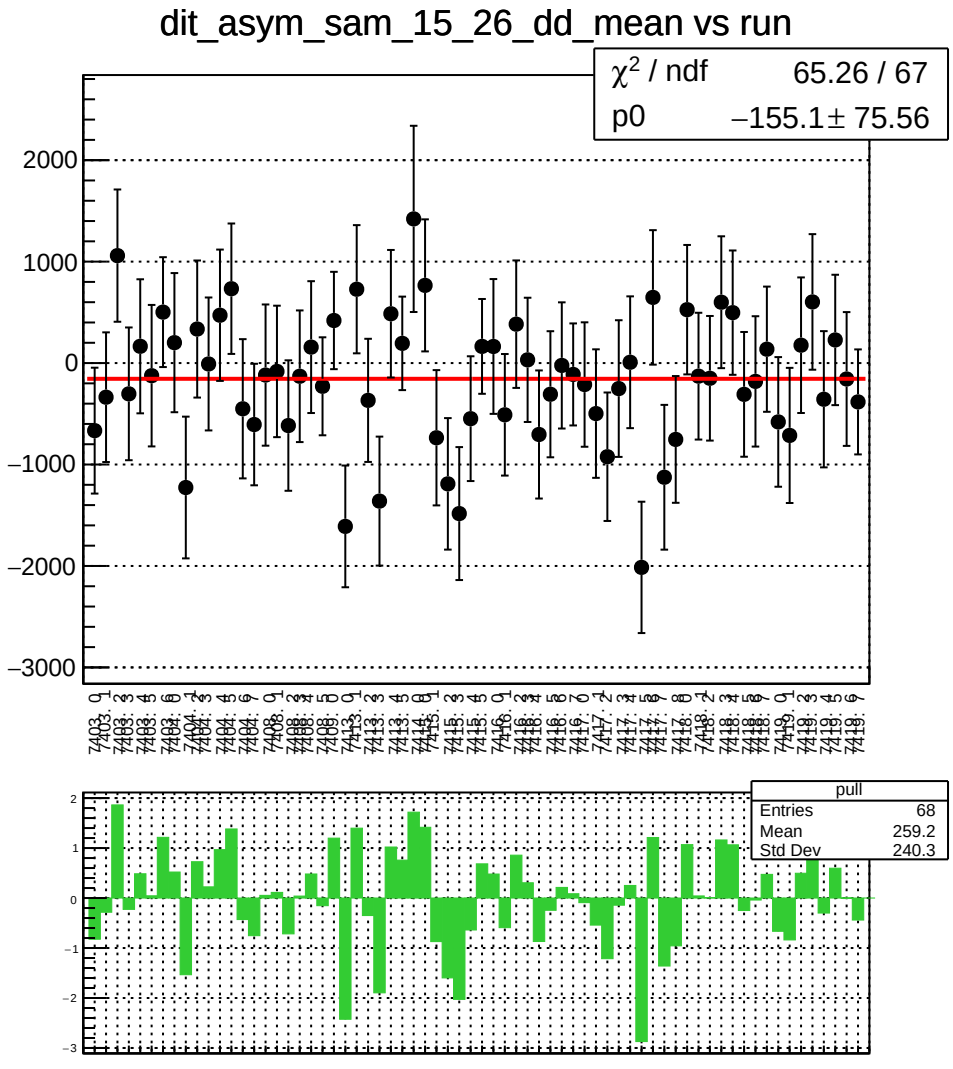

pull1D
Entries 68
Mean −0.001463
Std Dev 0.859

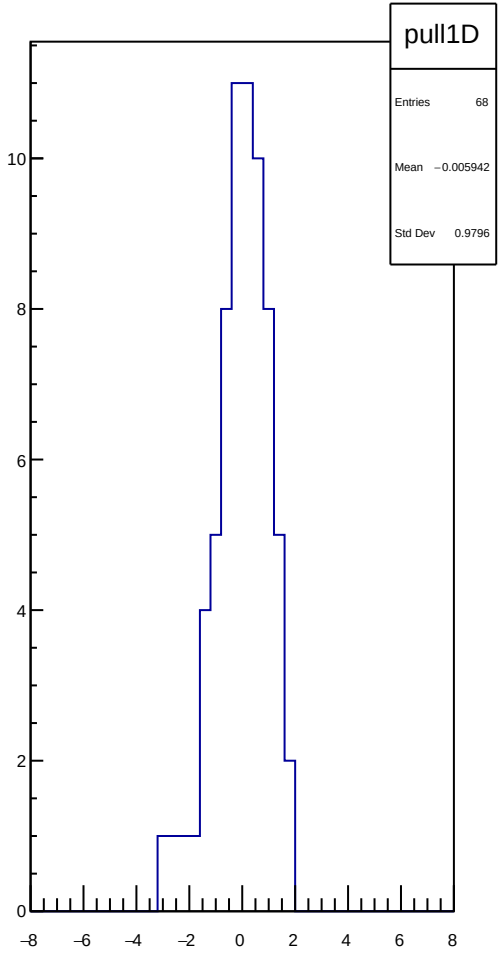

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3338 / 67
p0 419.1 ± 0.3663
480
460
440
420
400
380

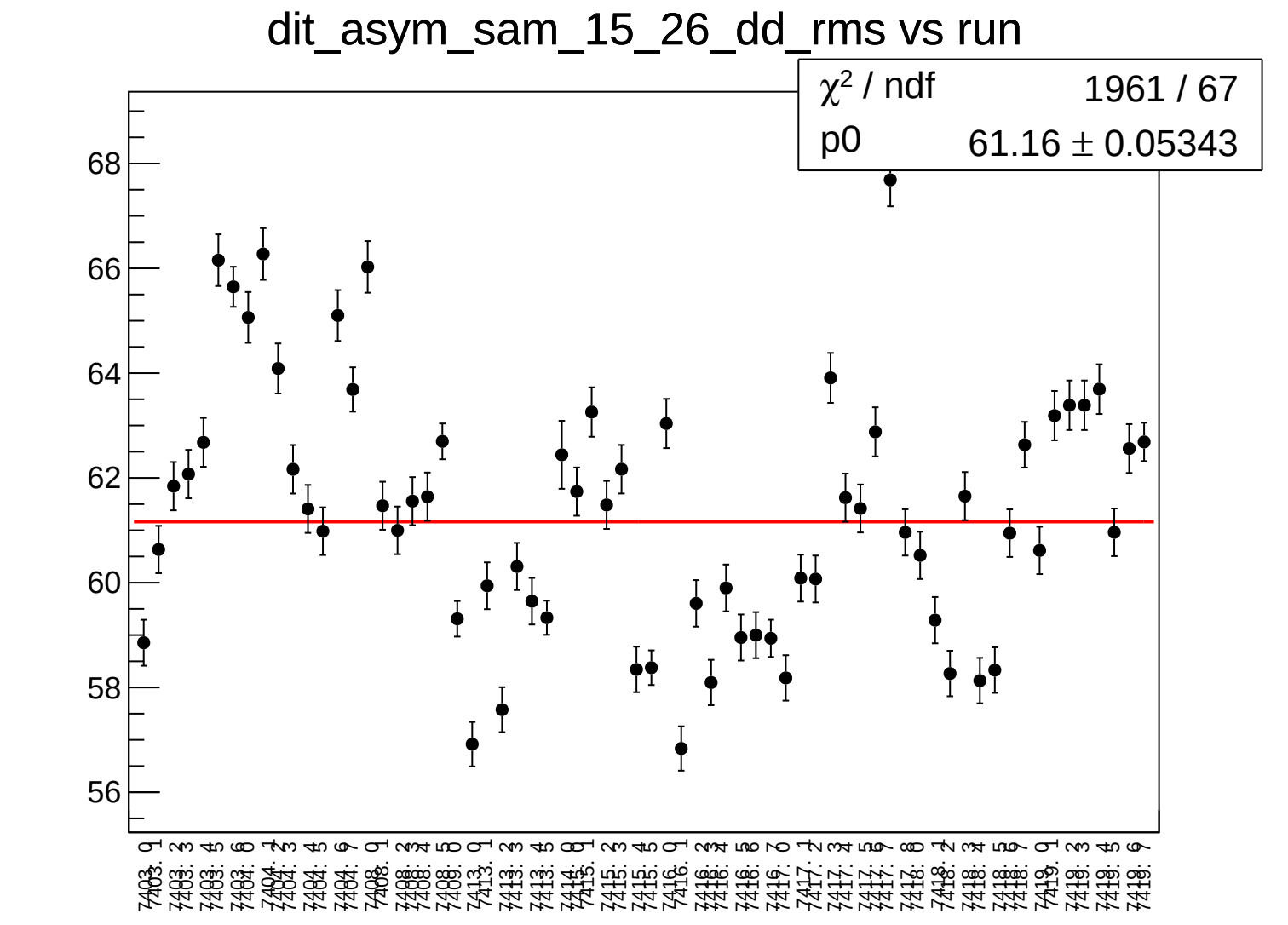

asym_sam_37_48_dd_mean vs run
χ² / ndf 56.48 / 67
p0 −8.218 ± 497.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 148.6
Std Dev 125.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

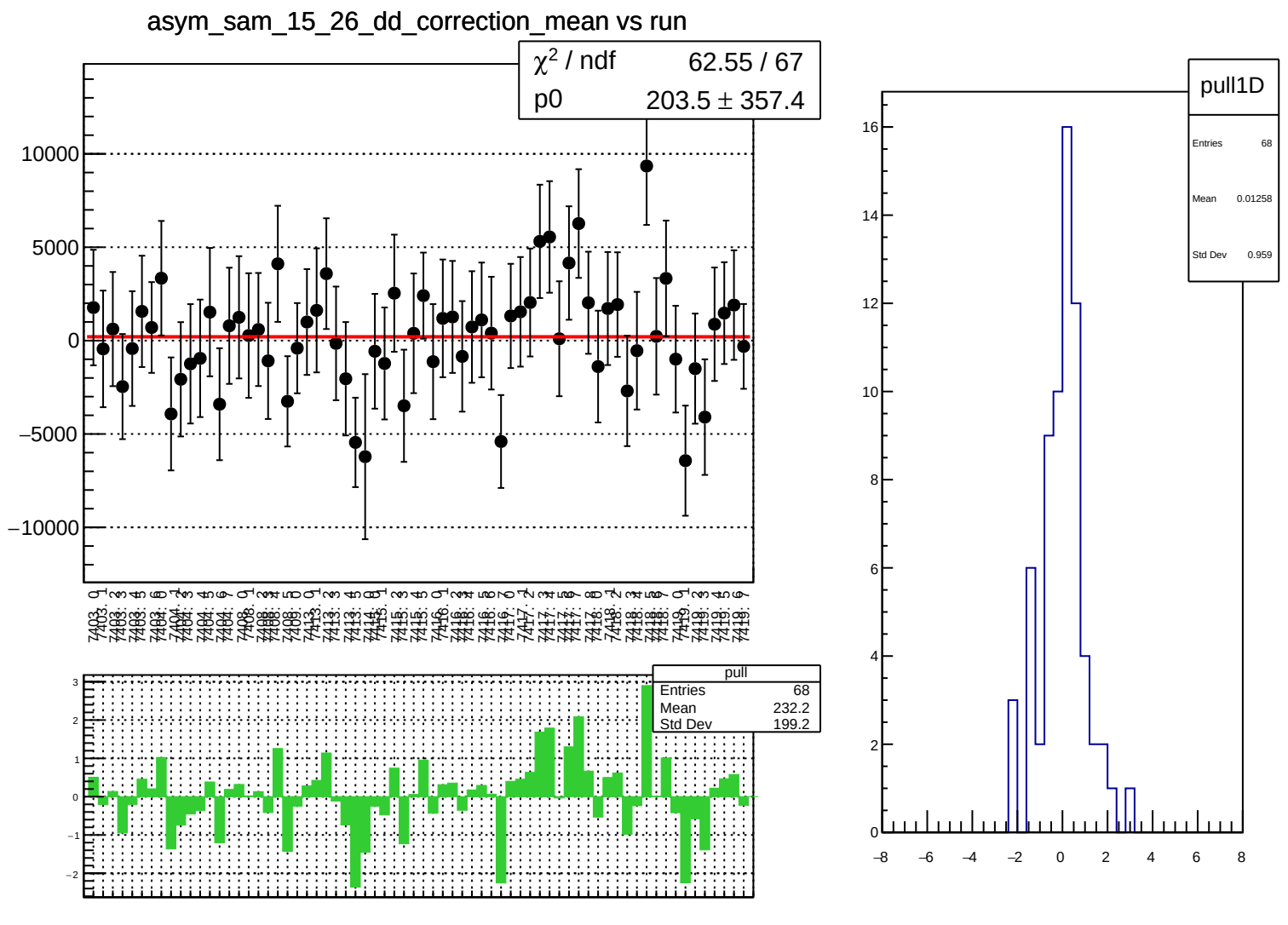

pull1D
Entries 68
Mean 0.006311
Std Dev 0.9113
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

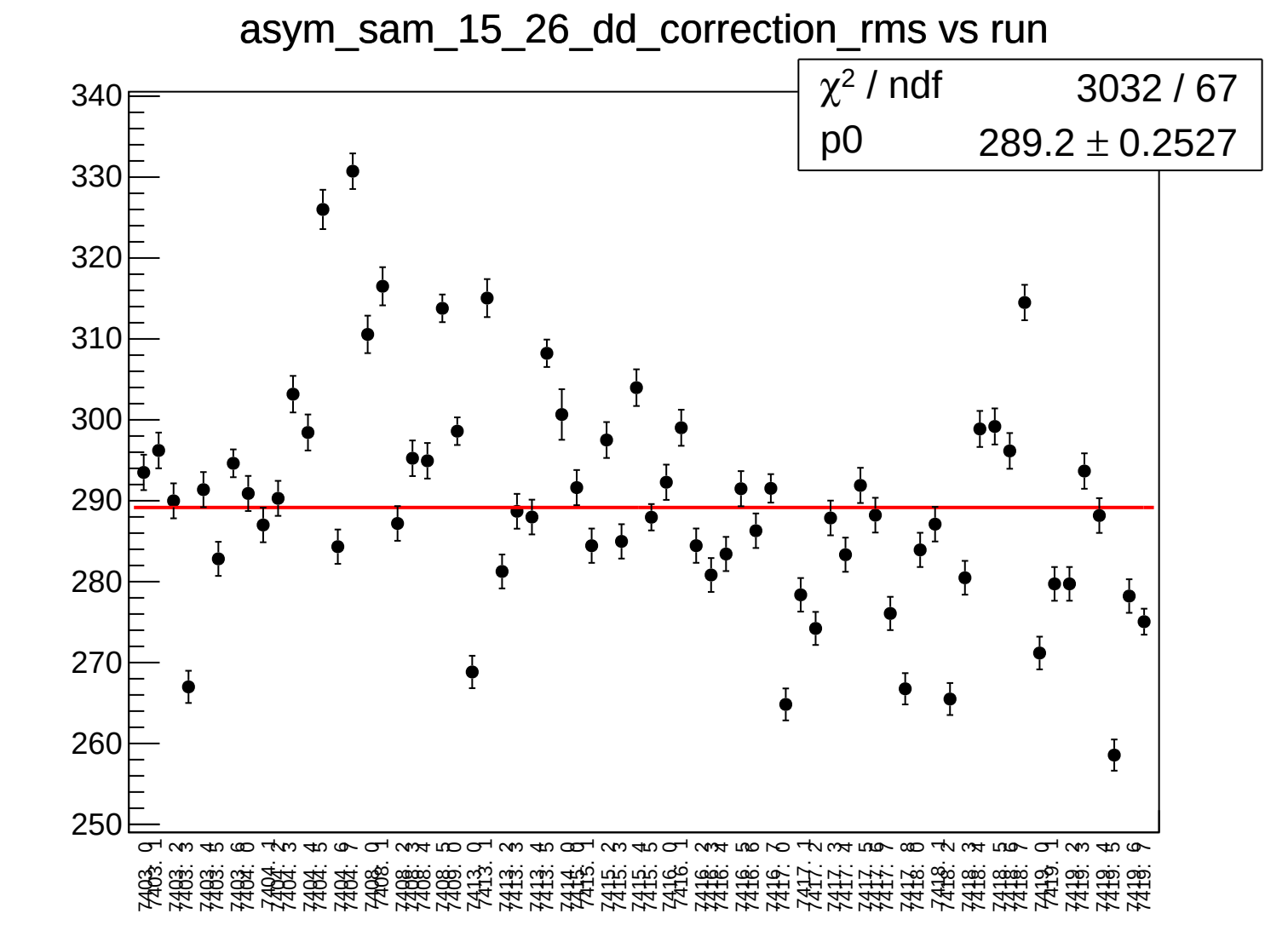

asym_sam_37_48_dd_rms vs run
χ² / ndf 8488 / 67
p0 401.8 ± 0.3518
480
460
440
420
400
380
360
340
320

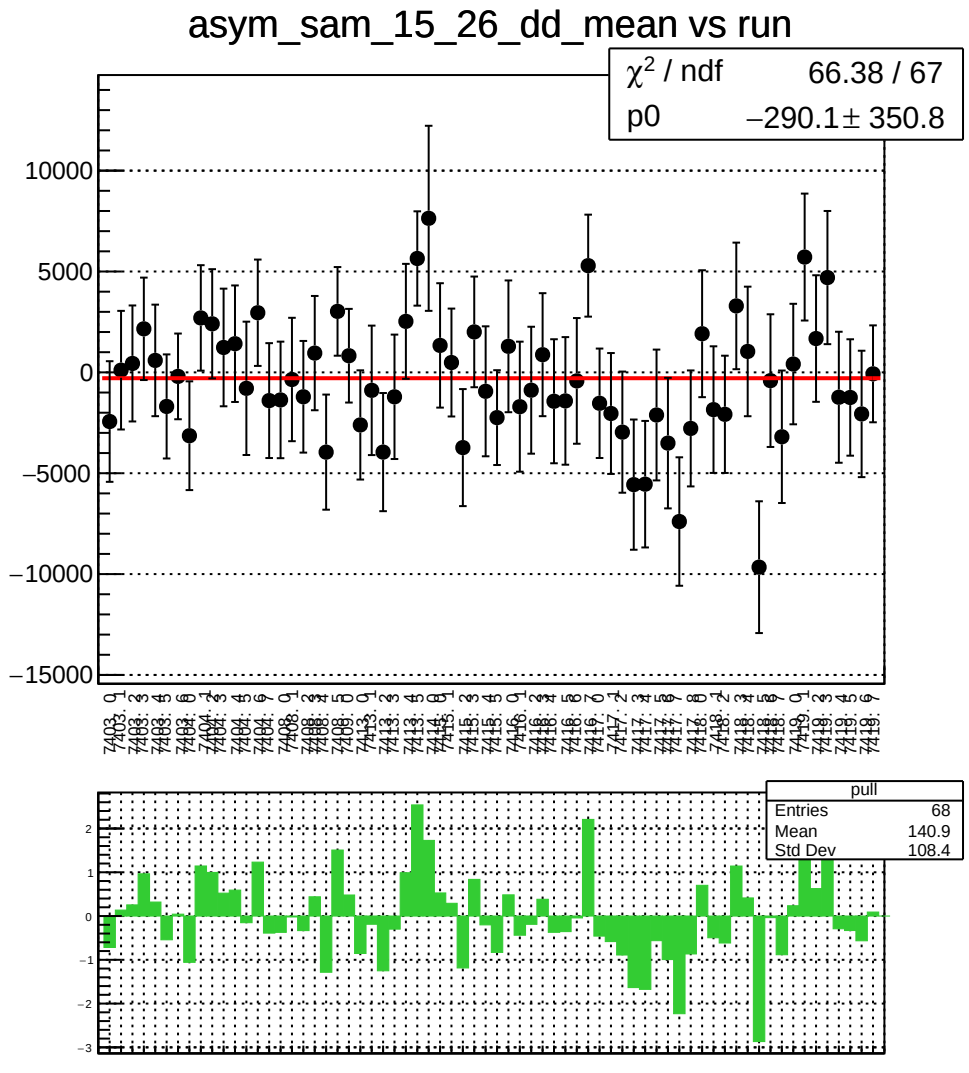

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 65.26 / 67
p0 −155.1± 75.56
pull
Entries 68
Mean 259.2
Std Dev 240.3

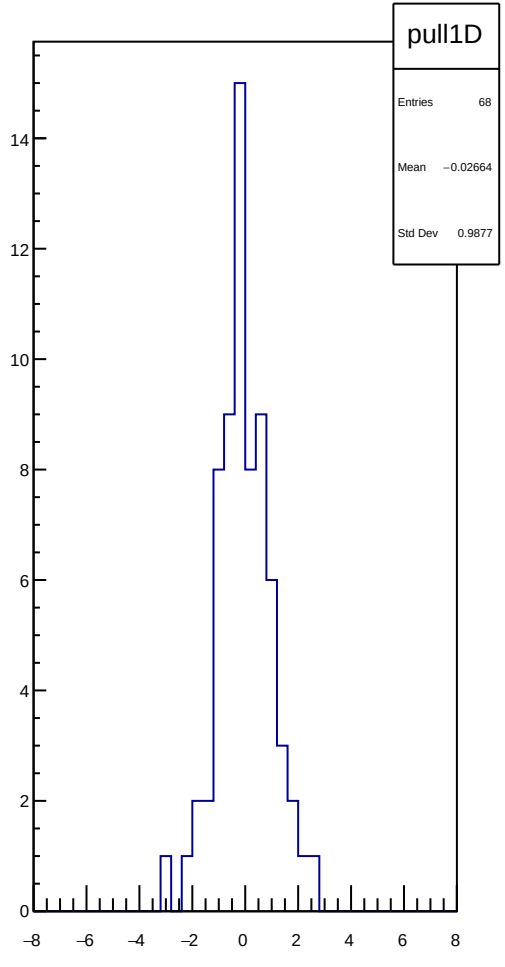

pull1D
Entries 68
Mean −0.005942
Std Dev 0.9796

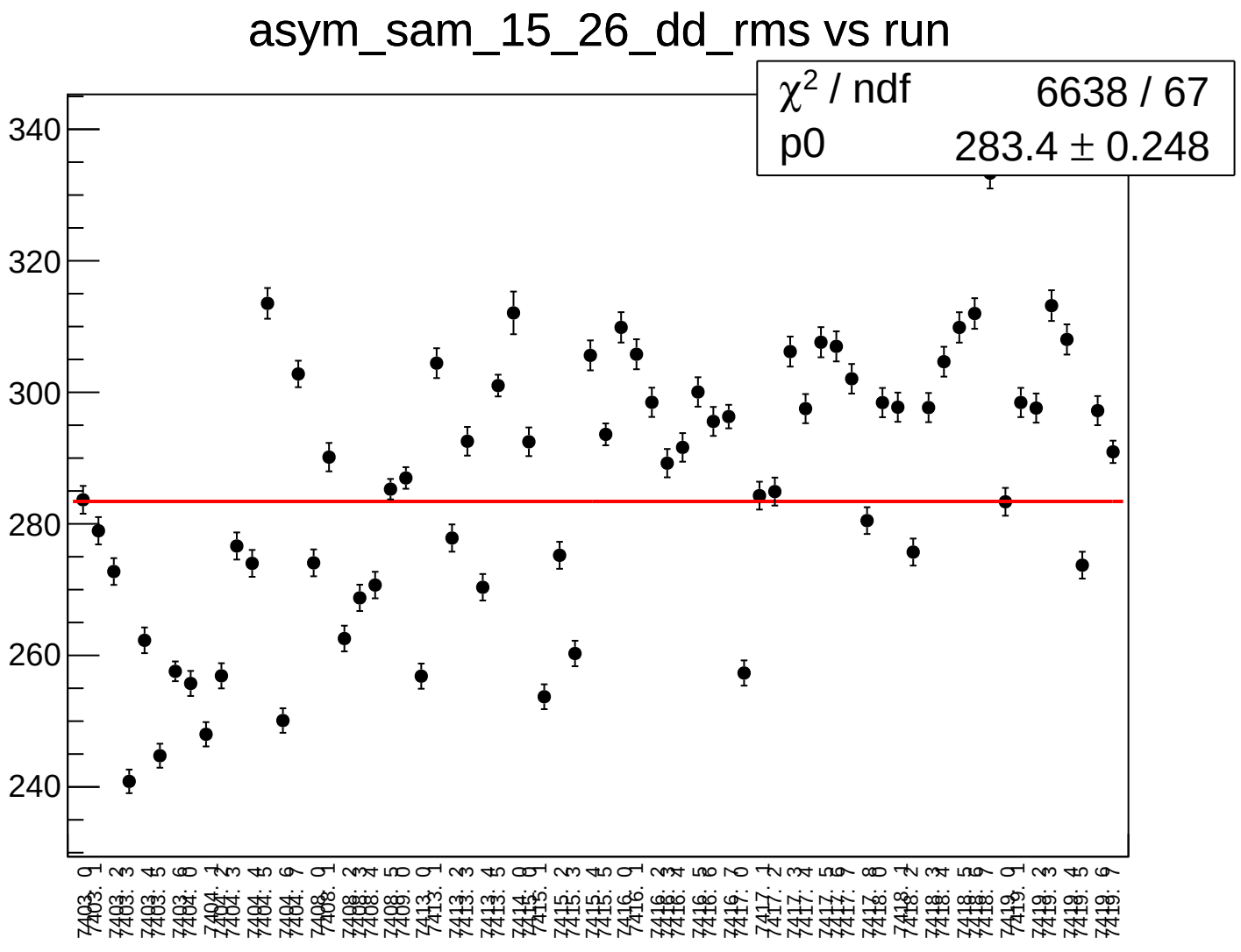

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1961 / 67
p0 61.16 ± 0.05343
68
66
64
62
60
58
56

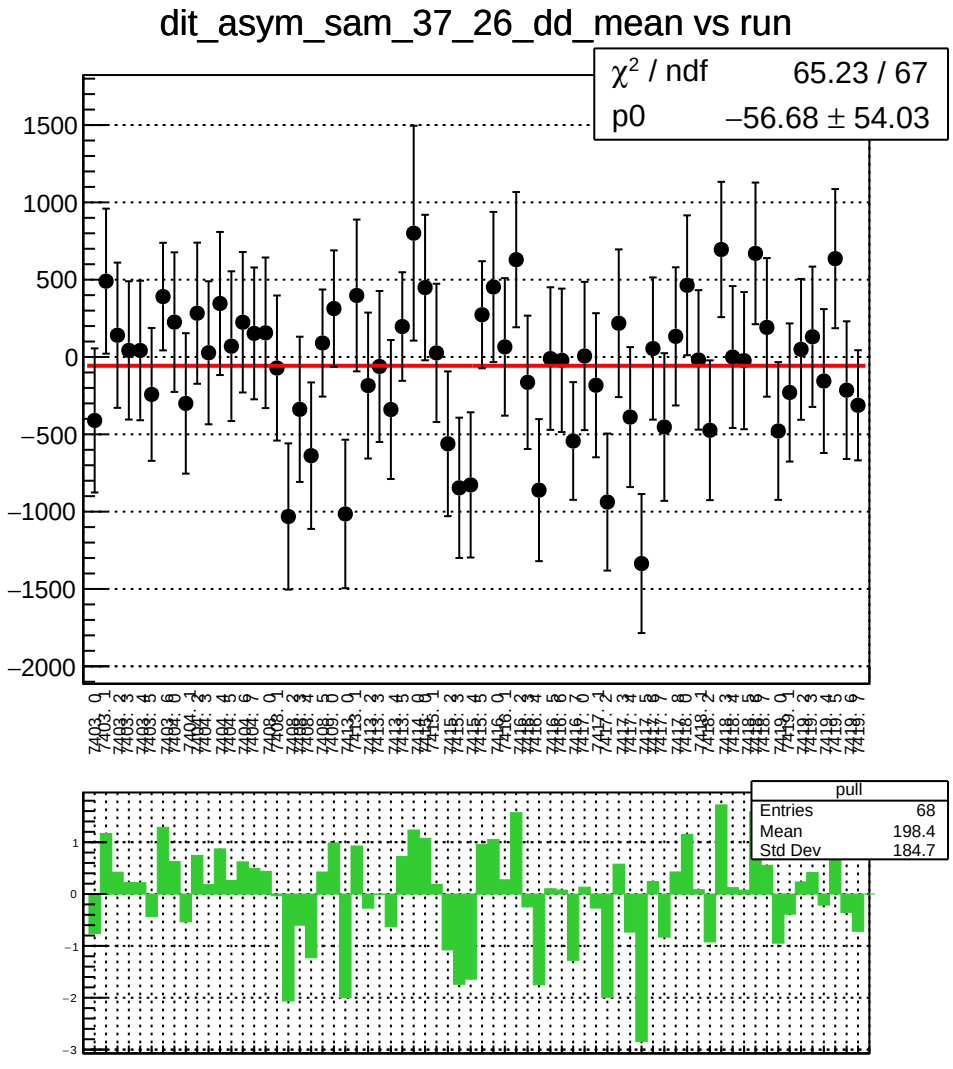

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 62.55 / 67
p0 203.5 ± 357.4
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 232.2
Std Dev 199.2
pull1D
Entries 68
Mean 0.01258
Std Dev 0.959

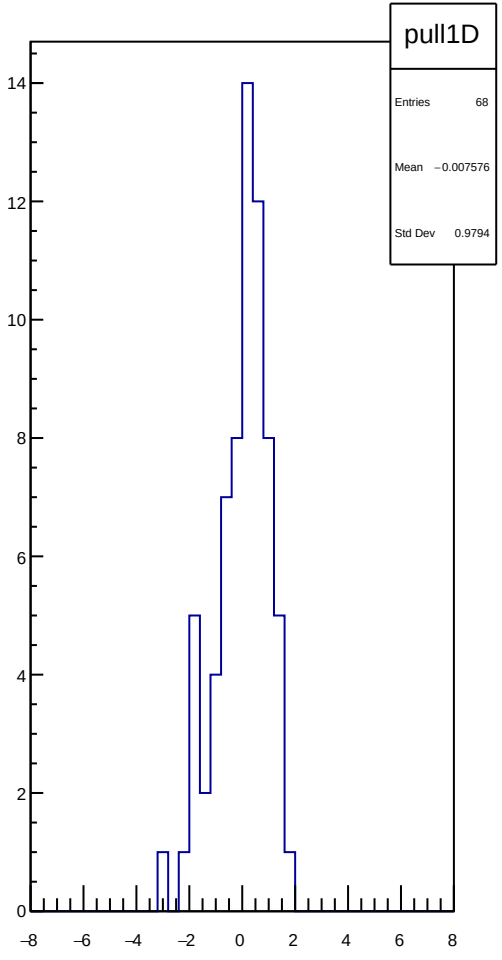

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3032 / 67
p0 289.2 ± 0.2527
340
330
320
310
300
290
280
270
260
250

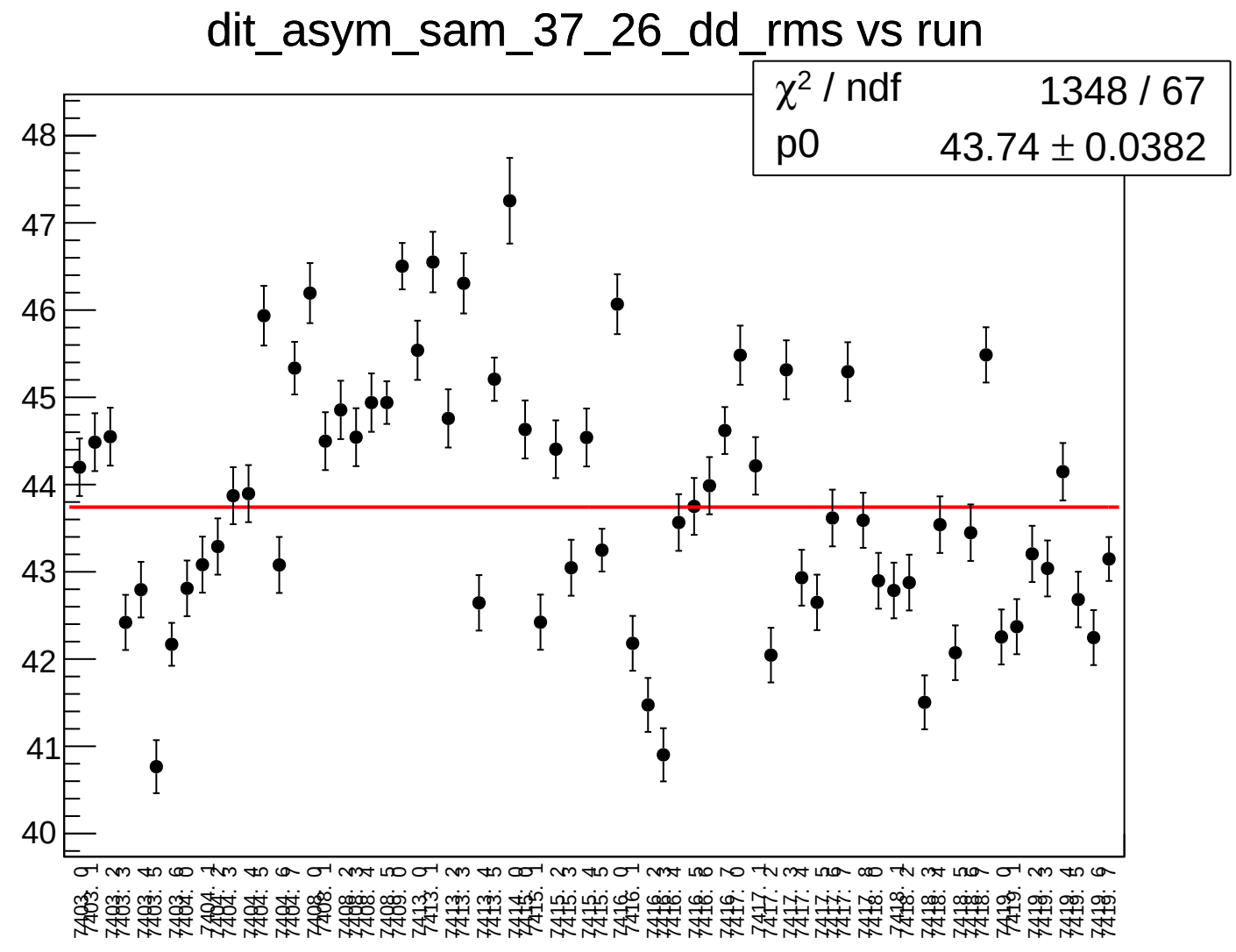

asym_sam_15_26_dd_mean vs run
χ² / ndf 66.38 / 67
p0 −290.1± 350.8
pull
Entries 68
Mean 140.9
Std Dev 108.4

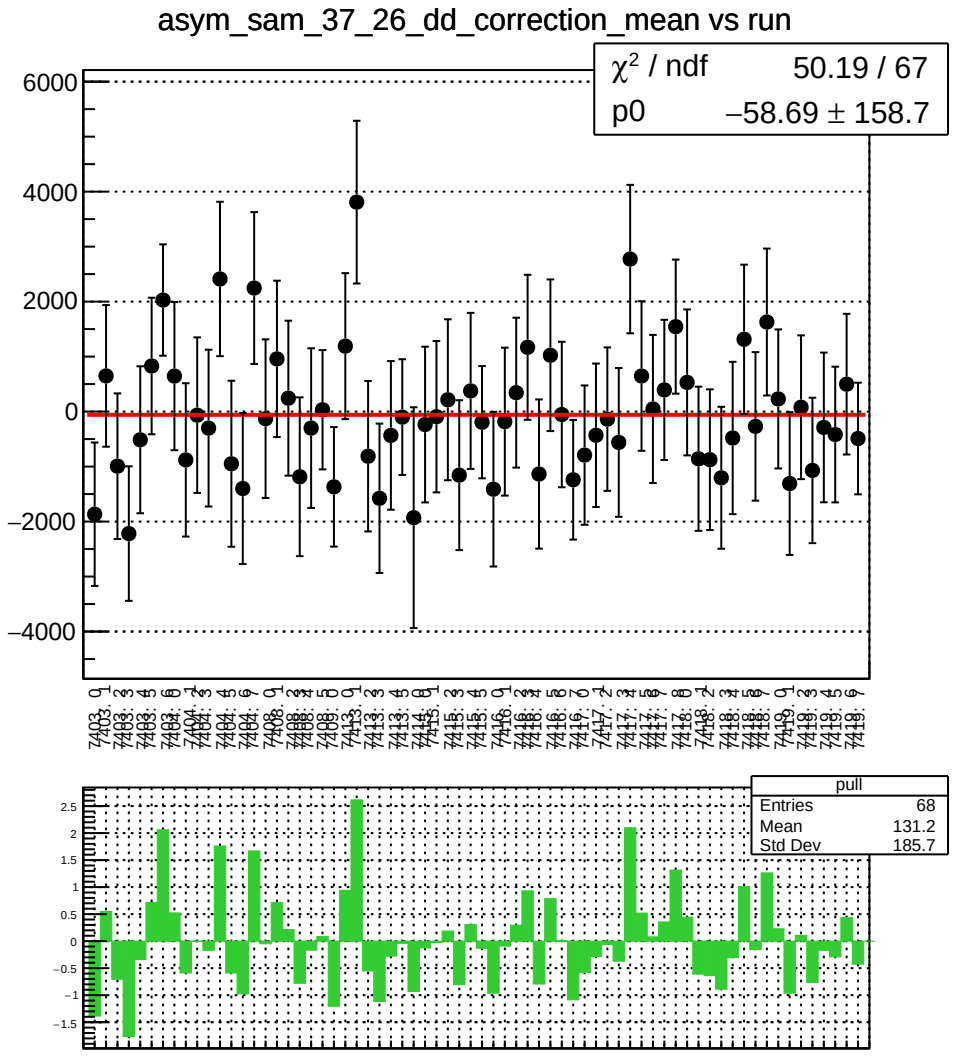

pull1D
Entries 68
Mean −0.02664
Std Dev 0.9877

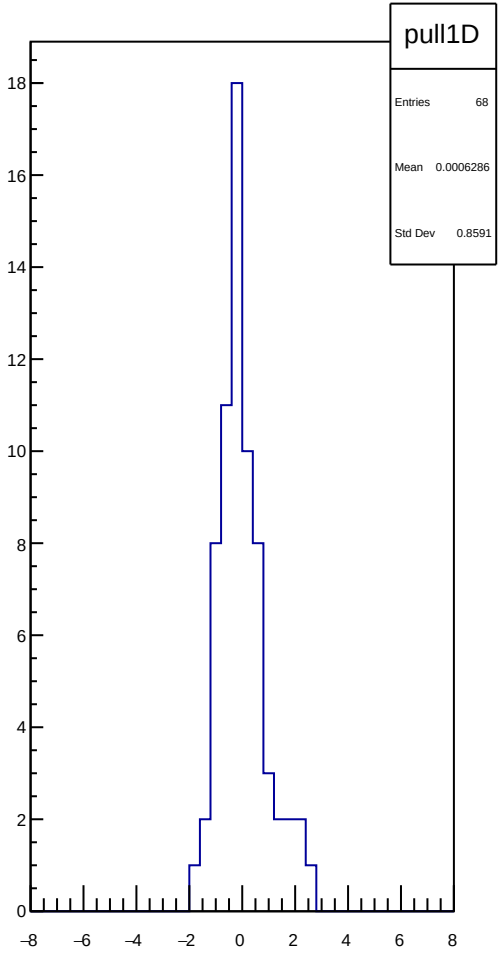

asym_sam_15_26_dd_rms vs run
χ² / ndf 6638 / 67
p0 283.4 ± 0.248
340
320
300
280
260
240

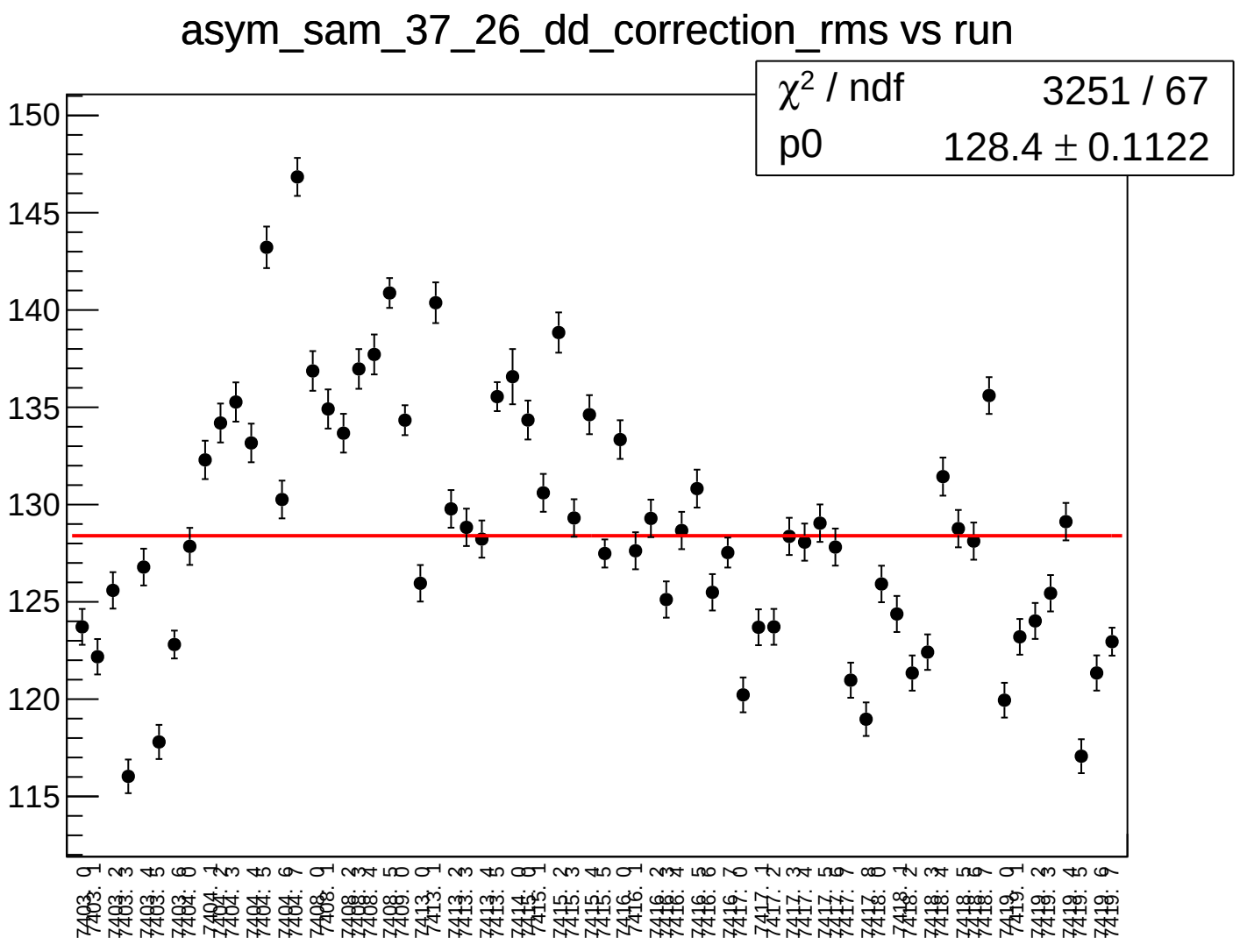

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 65.23 / 67
p0 −56.68 ± 54.03
pull
Entries 68
Mean 198.4
Std Dev 184.7

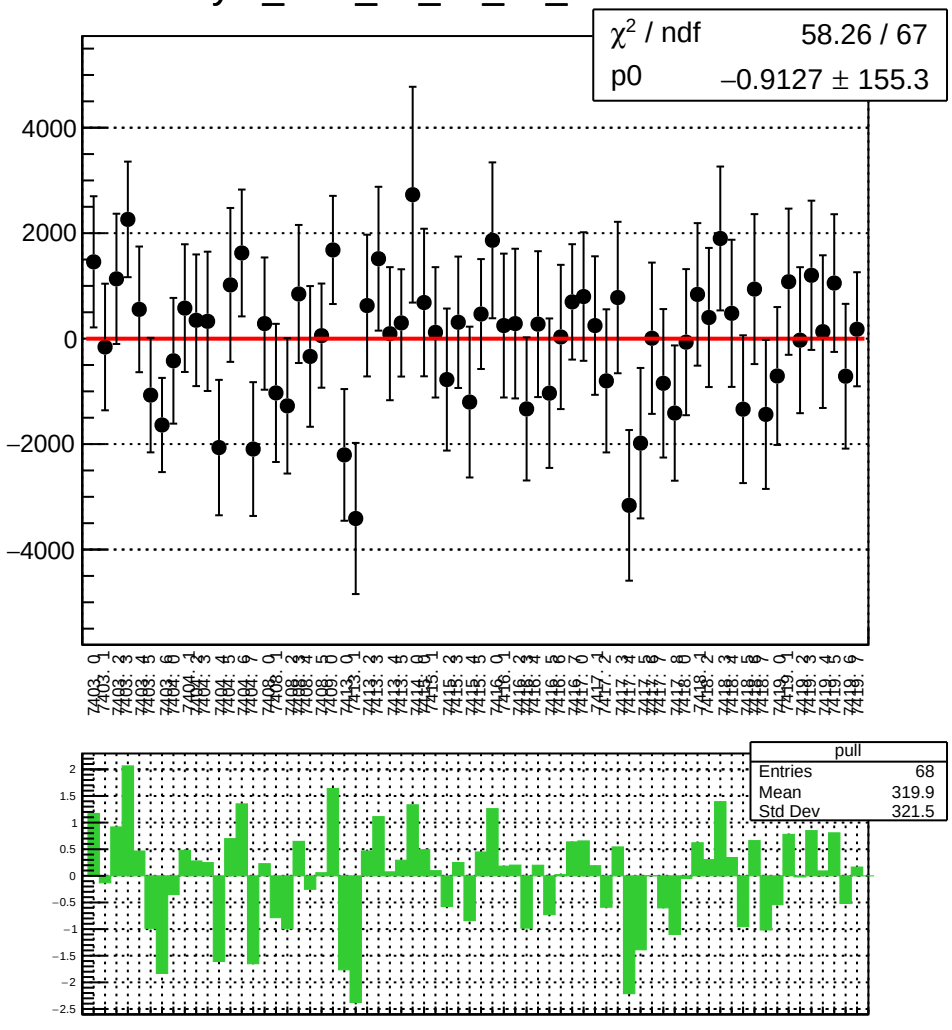

pull1D
Entries 68
Mean −0.007576
Std Dev 0.9794

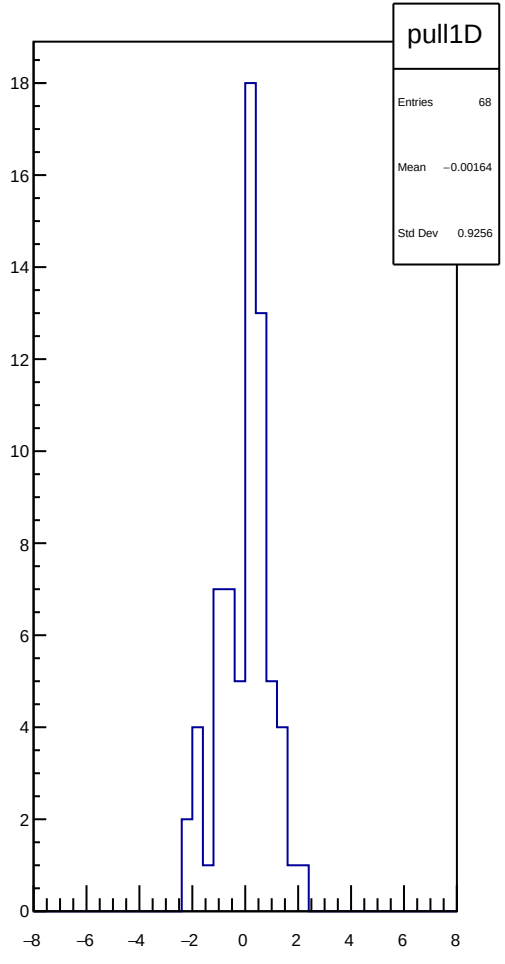

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1348 / 67
p0 43.74 ± 0.0382
48
47
46
45
44
43
42
41
40

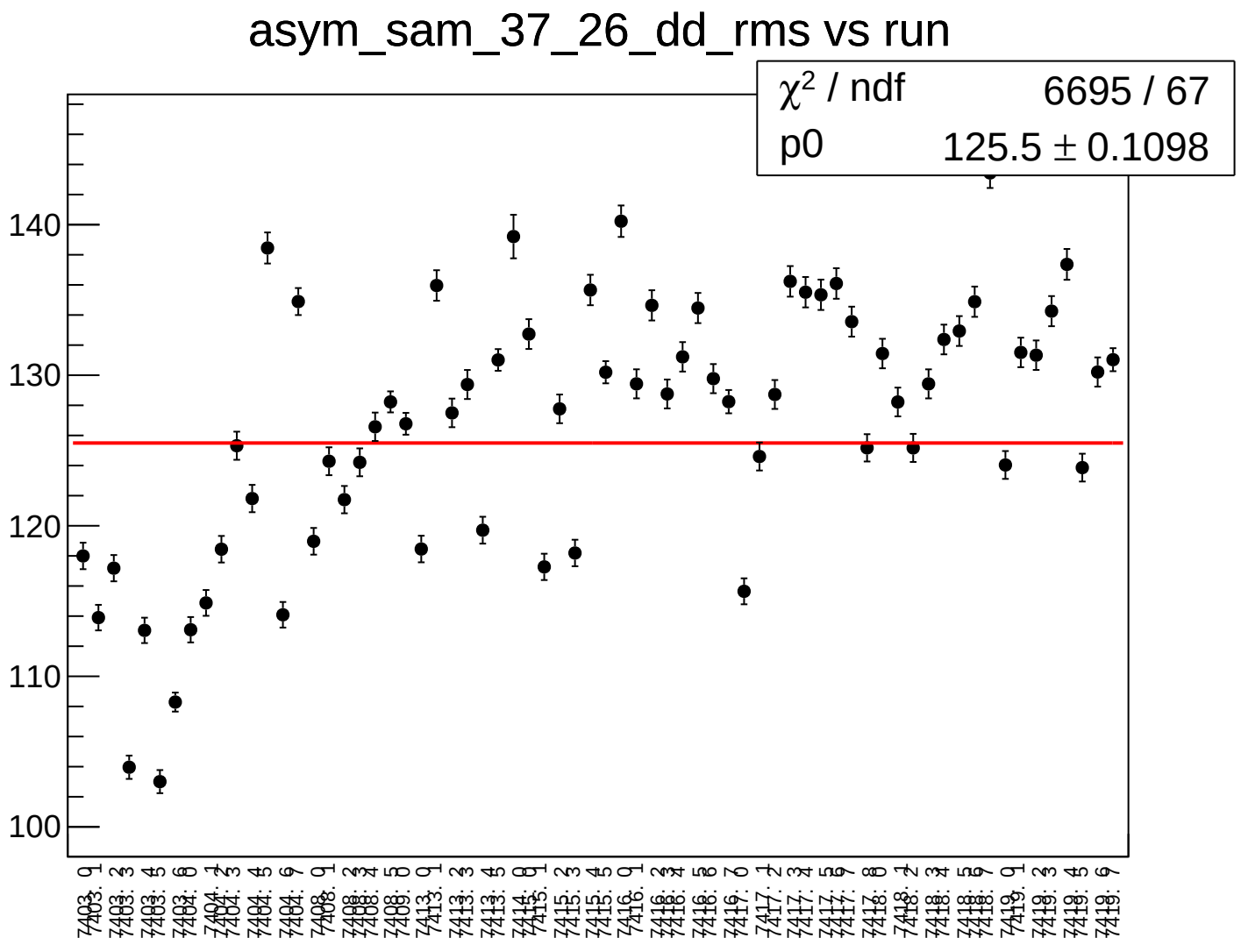

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 50.19 / 67
p0 −58.69 ± 158.7
pull
Entries 68
Mean 131.2
Std Dev 185.7

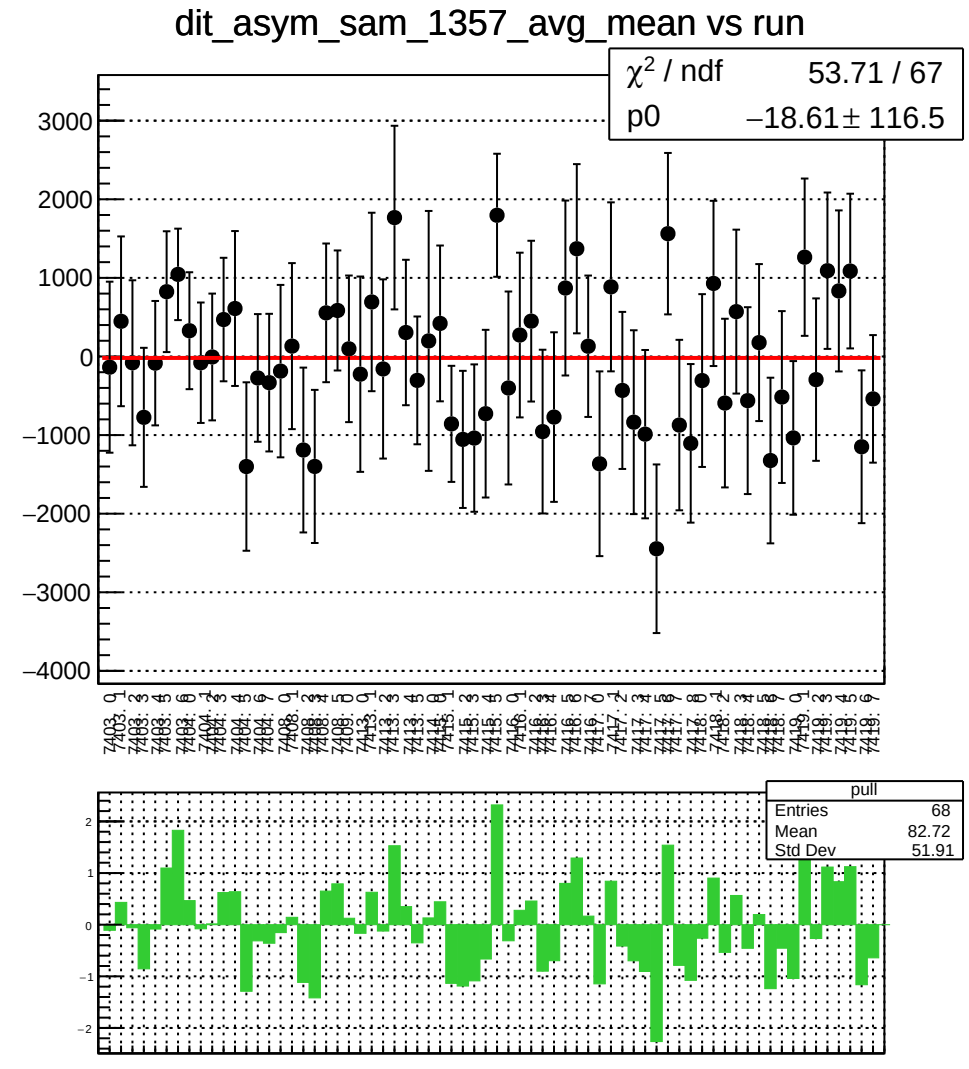

pull1D
Entries 68
Mean 0.0006286
Std Dev 0.8591

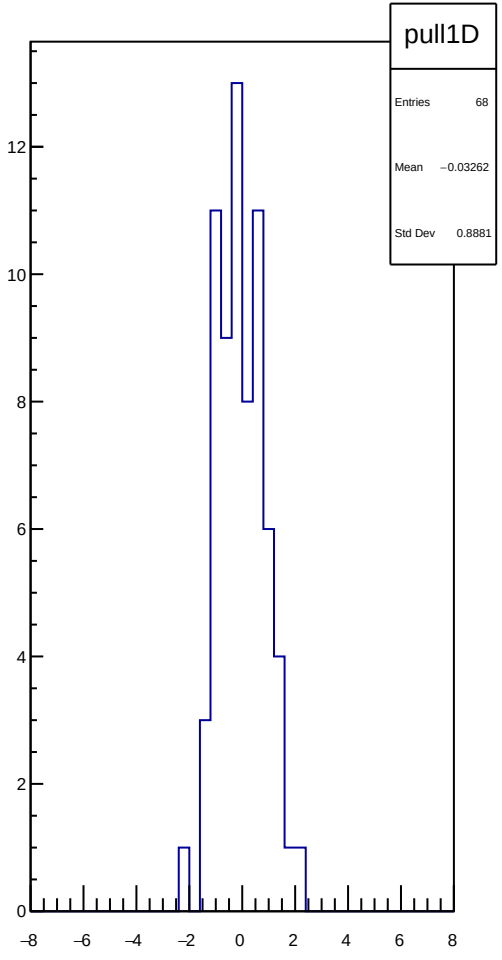

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3251 / 67
p0 128.4 ± 0.1122
150
145
140
135
130
125
120
115

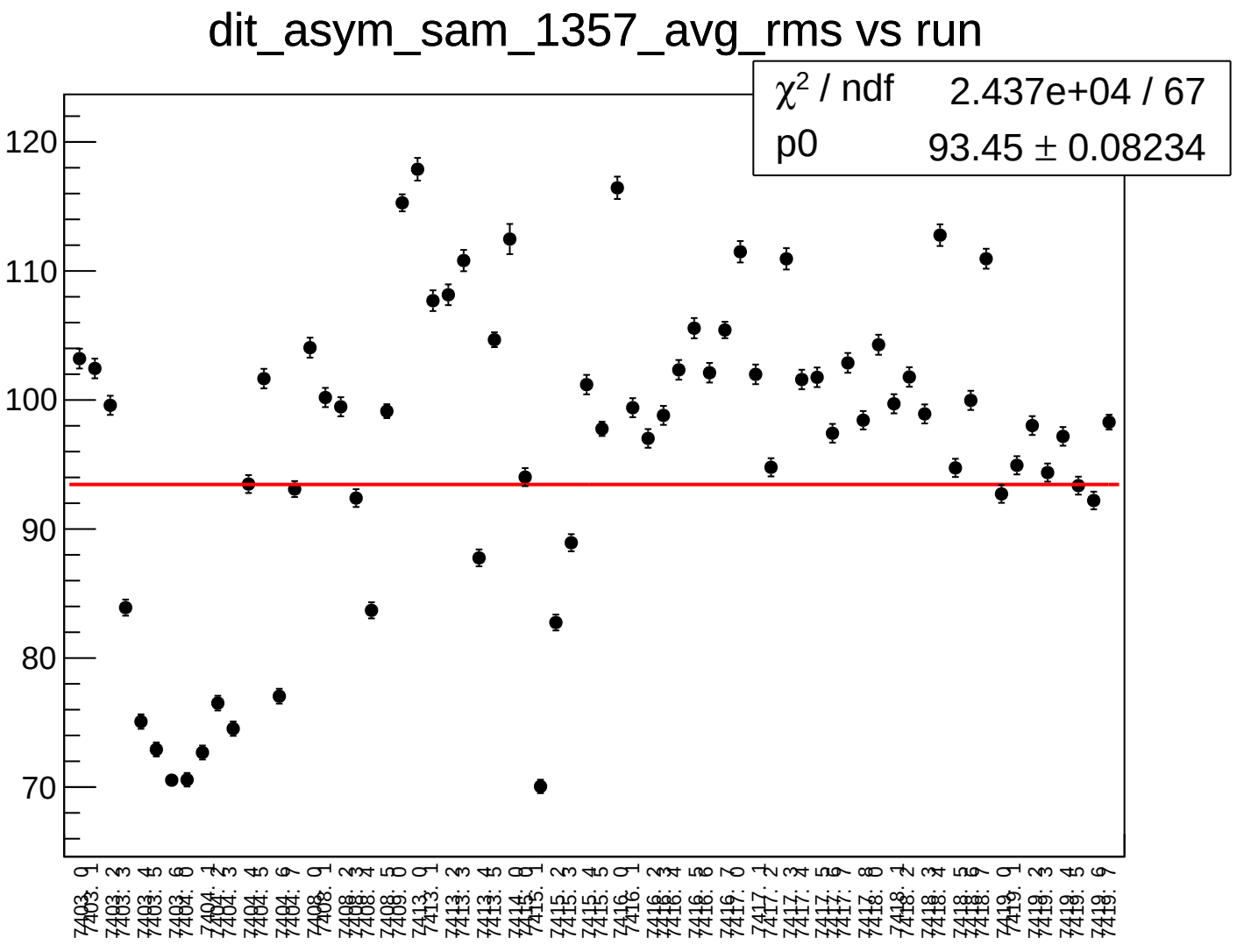

asym_sam_37_26_dd_mean vs run
χ² / ndf 58.26 / 67
p0 −0.9127 ± 155.3
4000
2000
0
−2000
−4000
pull
Entries 68
Mean 319.9
Std Dev 321.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

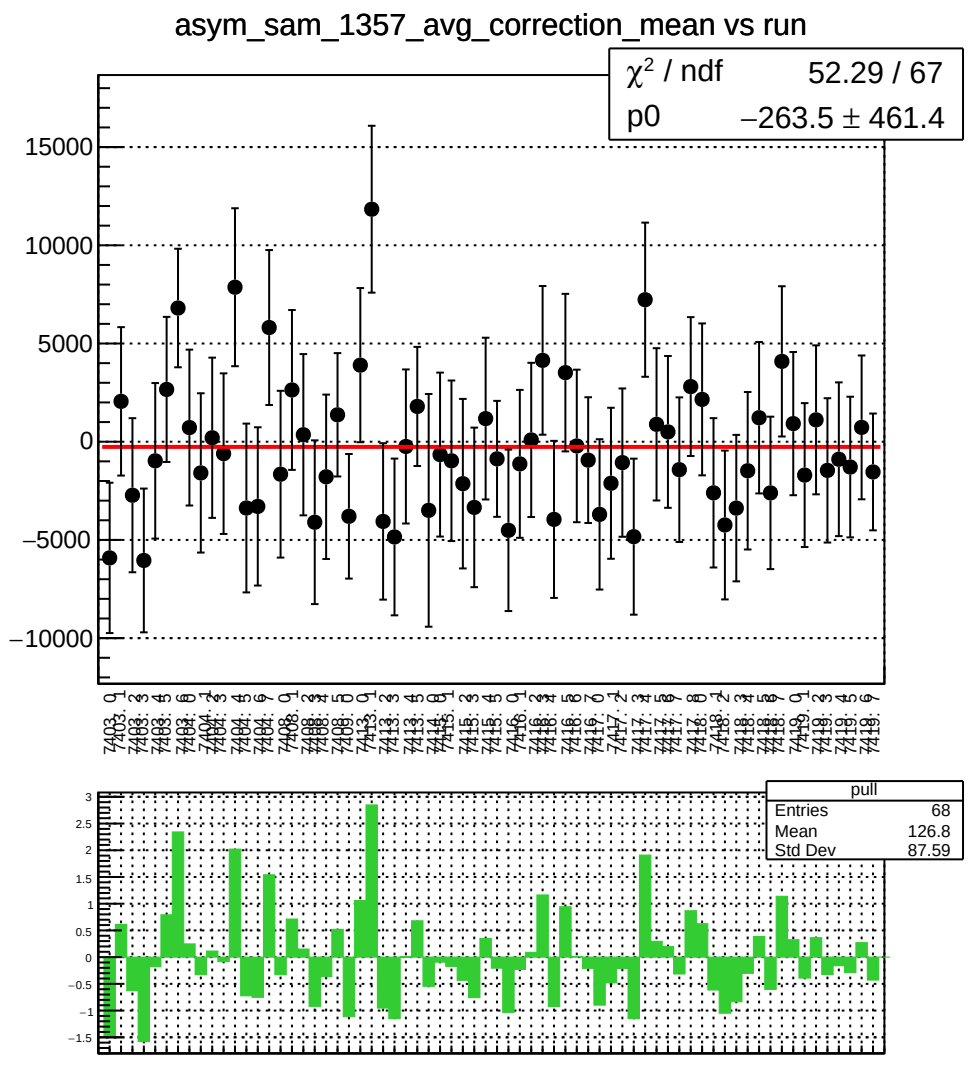

pull1D
Entries 68
Mean −0.00164
Std Dev 0.9256
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

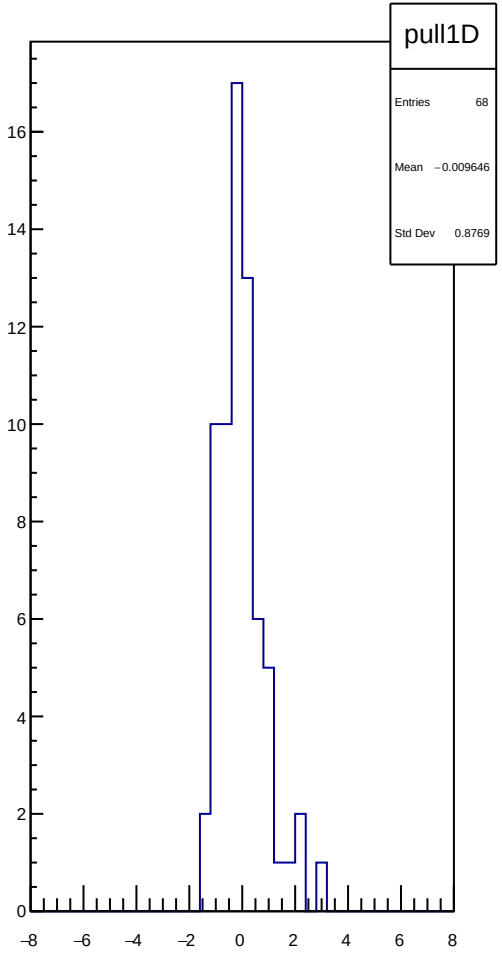

asym_sam_37_26_dd_rms vs run
χ² / ndf 6695 / 67
p0 125.5 ± 0.1098
140
130
120
110
100

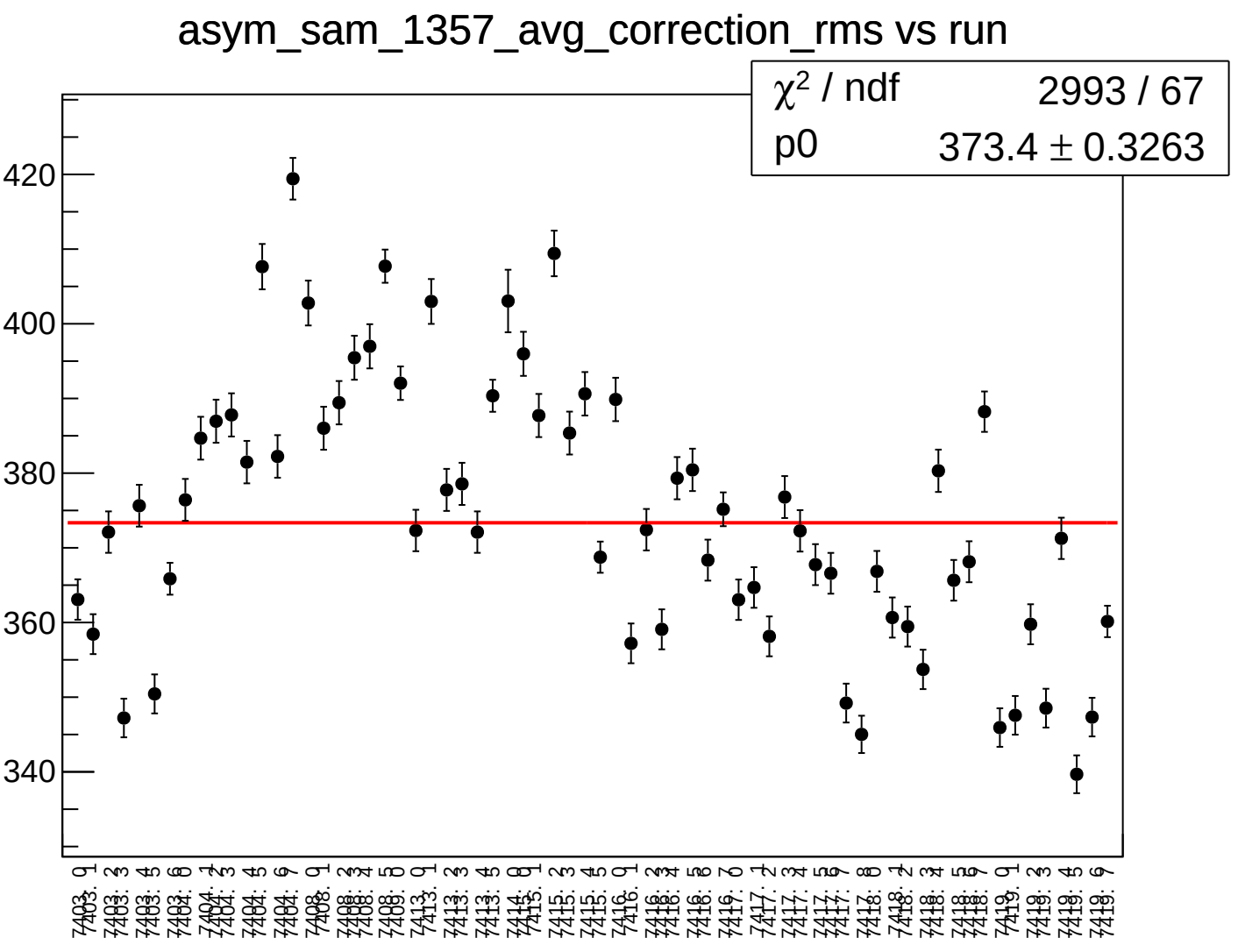

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 53.71 / 67
p0 −18.61 ± 116.5
pull
Entries 68
Mean 82.72
Std Dev 51.91

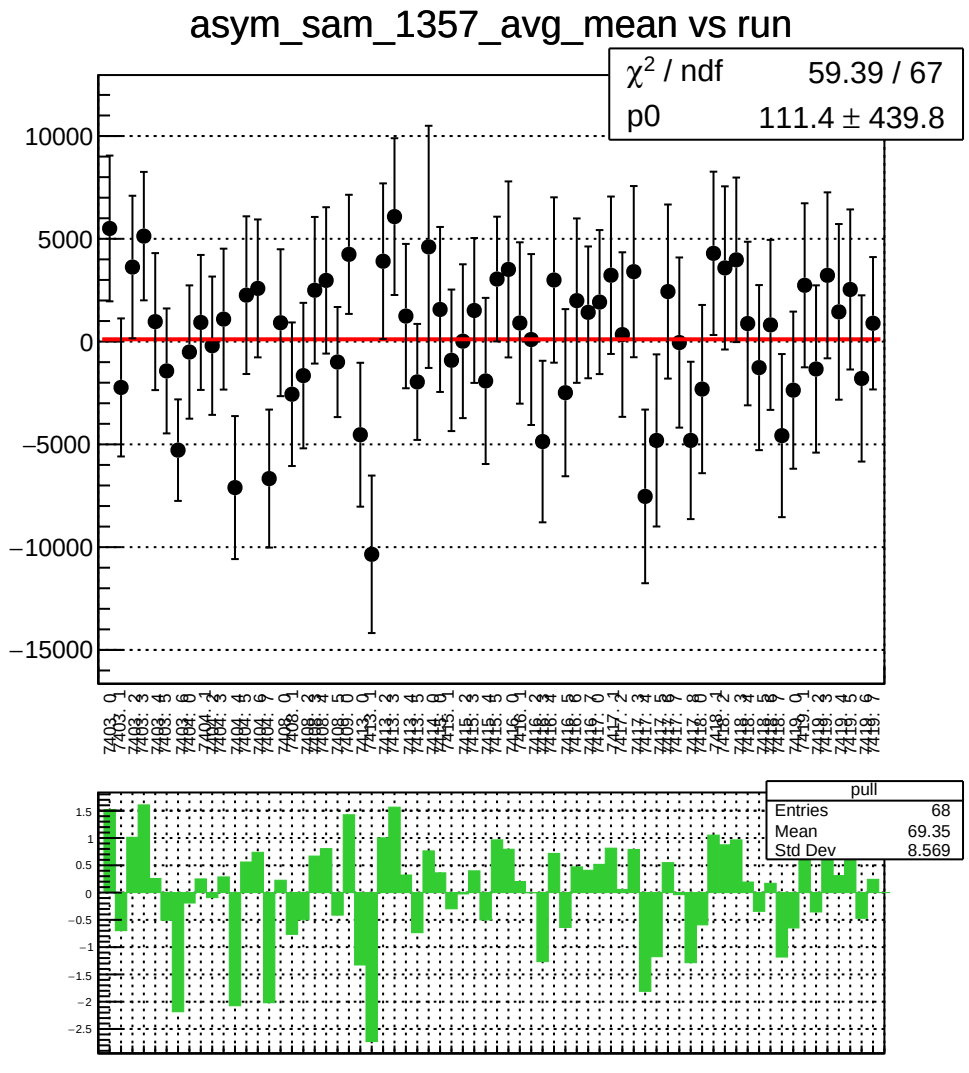

pull1D
Entries 68
Mean −0.03262
Std Dev 0.8881

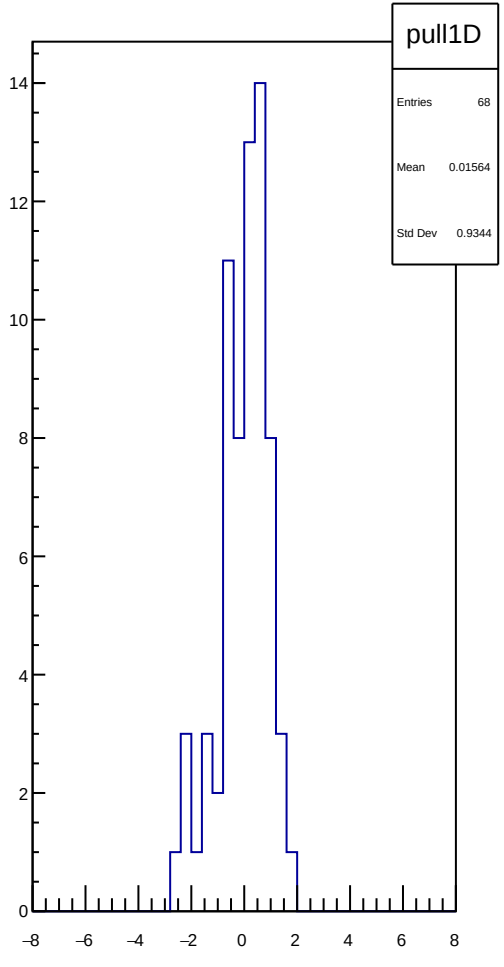

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.437e+04 / 67
p0 93.45 ± 0.08234
120
110
100
90
80
70

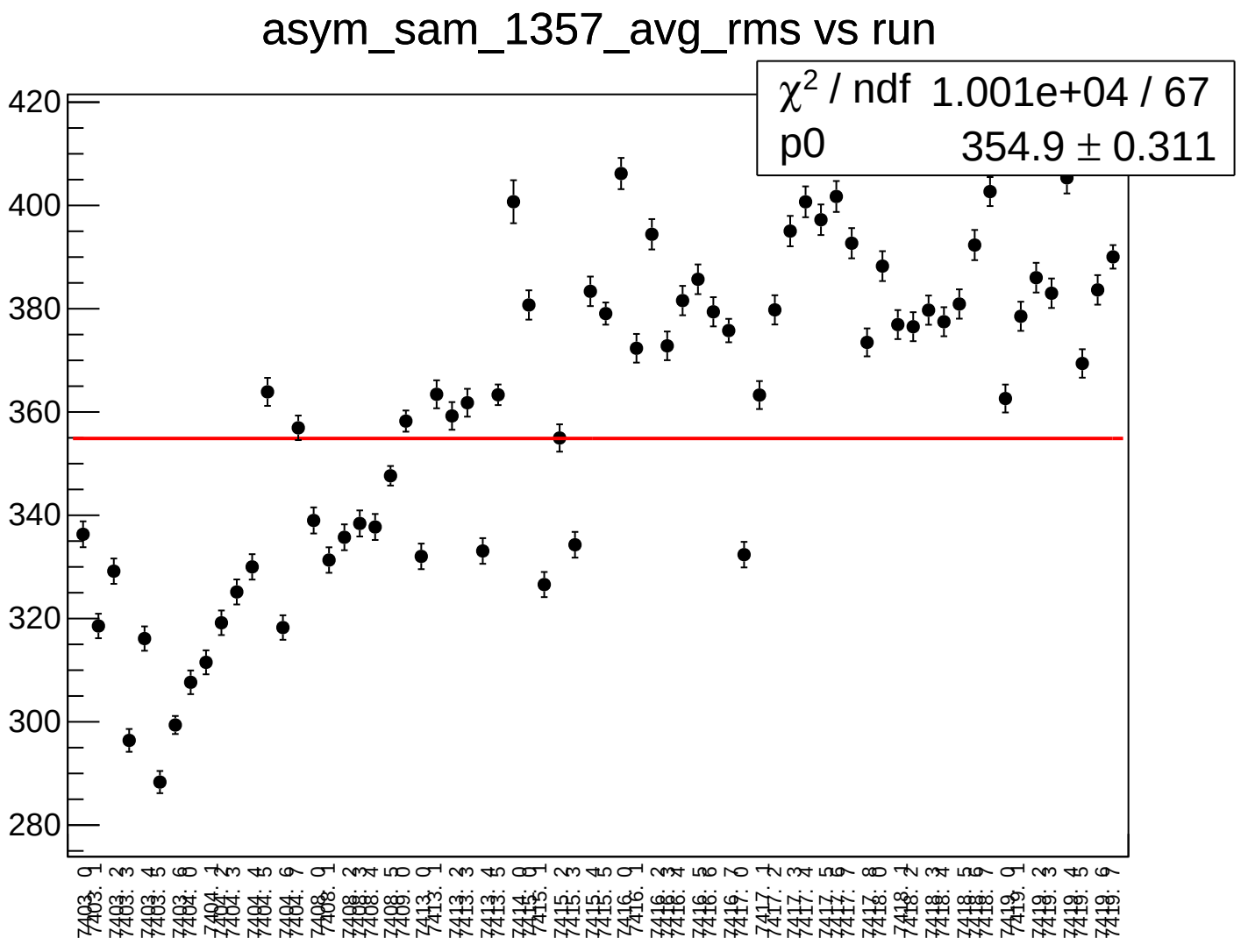

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 52.29 / 67
p0 −263.5 ± 461.4
15000
10000
5000
0
−5000
−10000
pull
Entries 68
Mean 126.8
Std Dev 87.59
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

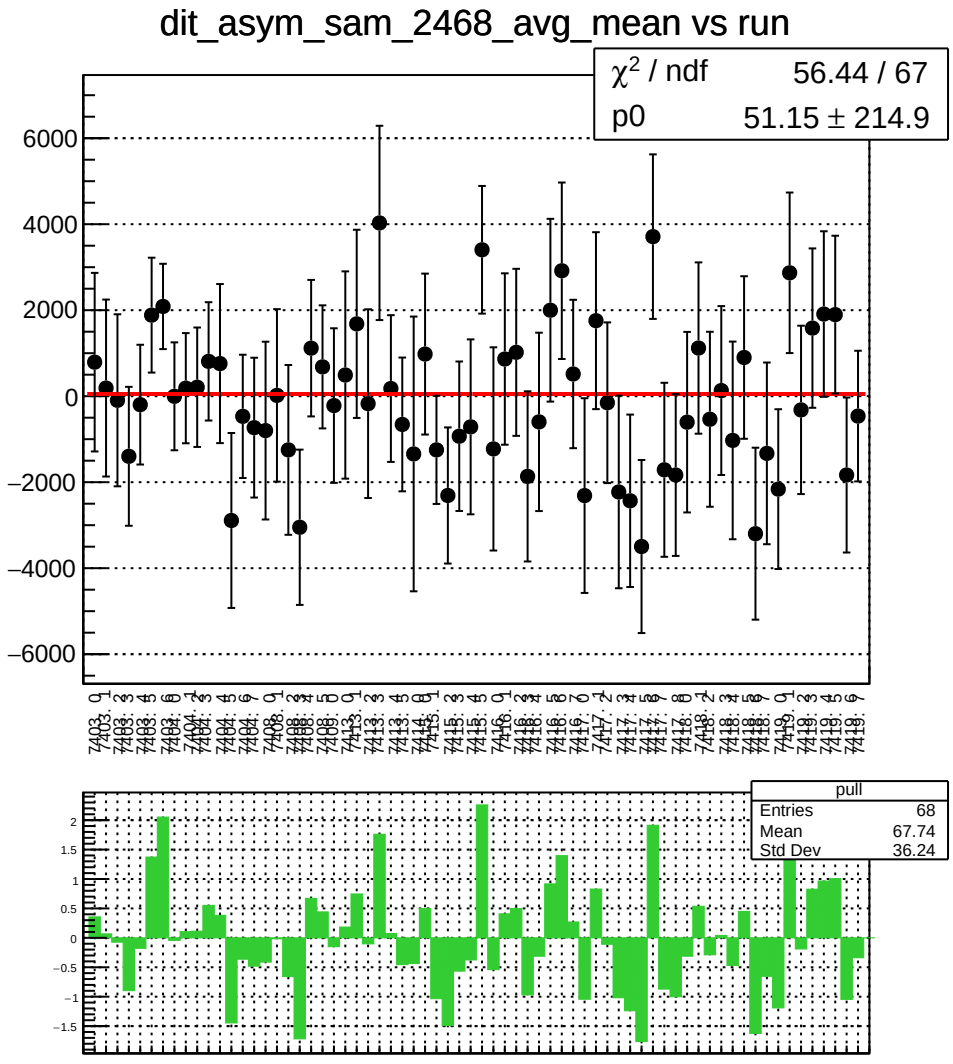

pull1D
Entries 68
Mean −0.009646
Std Dev 0.8769
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

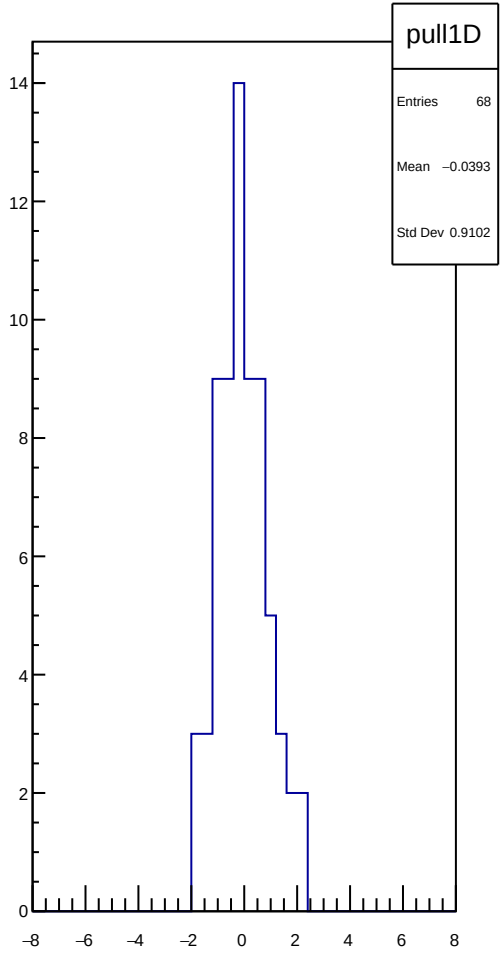

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2993 / 67
p0 373.4 ± 0.3263
420
400
380
360
340

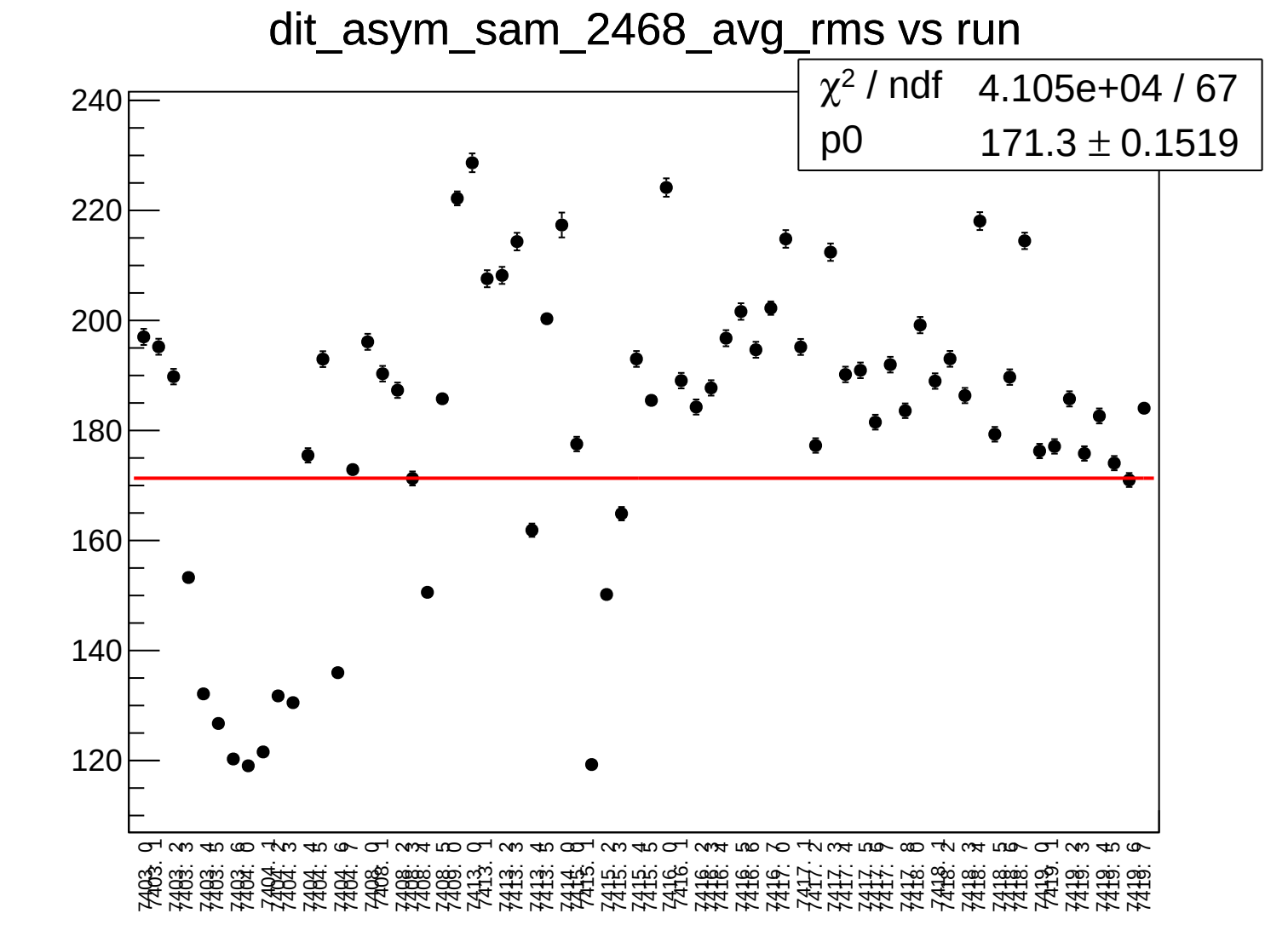

asym_sam_1357_avg_mean vs run
χ² / ndf 59.39 / 67
p0 111.4 ± 439.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 68
Mean 69.35
Std Dev 8.569
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

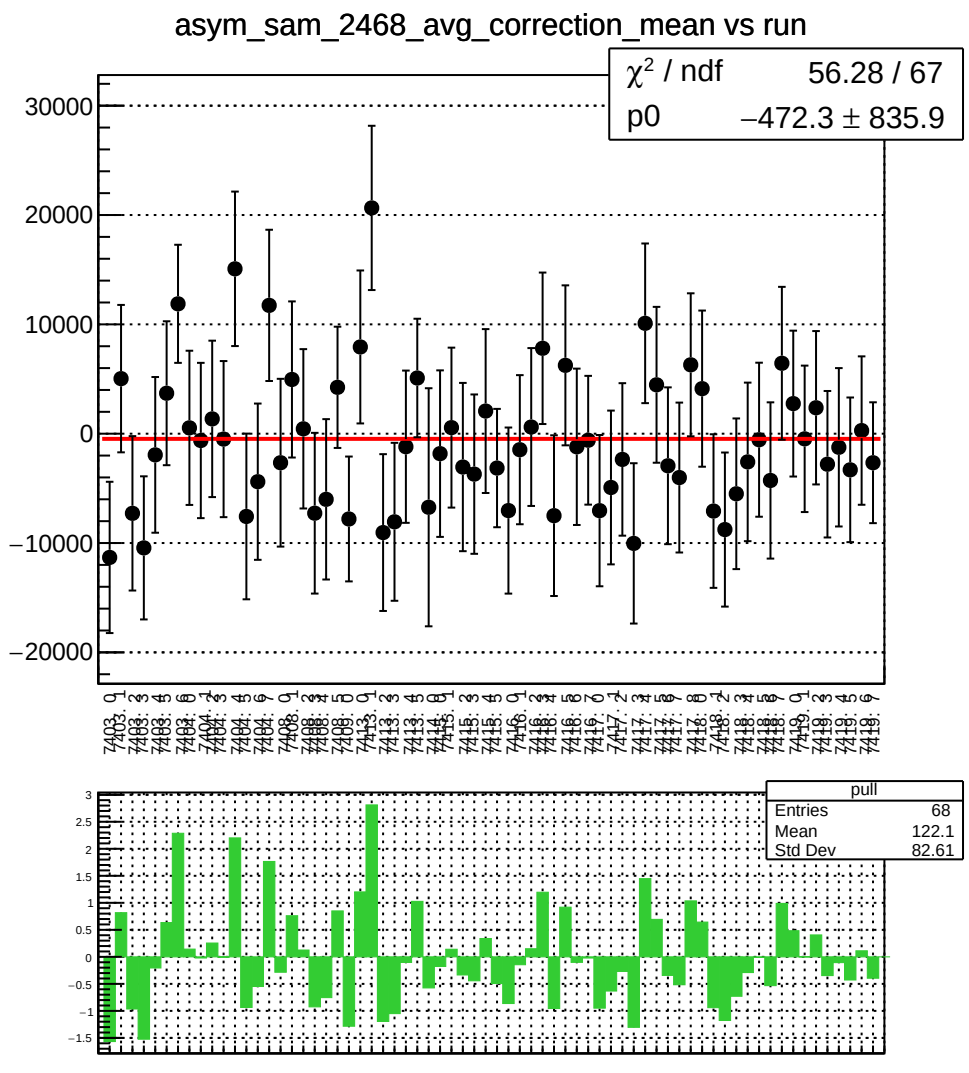

pull1D
Entries 68
Mean 0.01564
Std Dev 0.9344
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

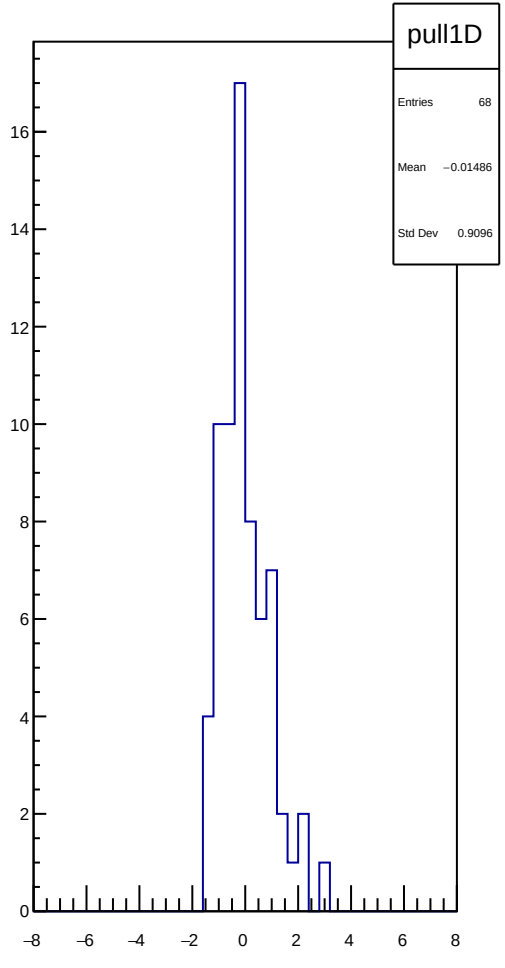

asym_sam_1357_avg_rms vs run
χ² / ndf 1.001e+04 / 67
p0 354.9 ± 0.311
420
400
380
360
340
320
300
280

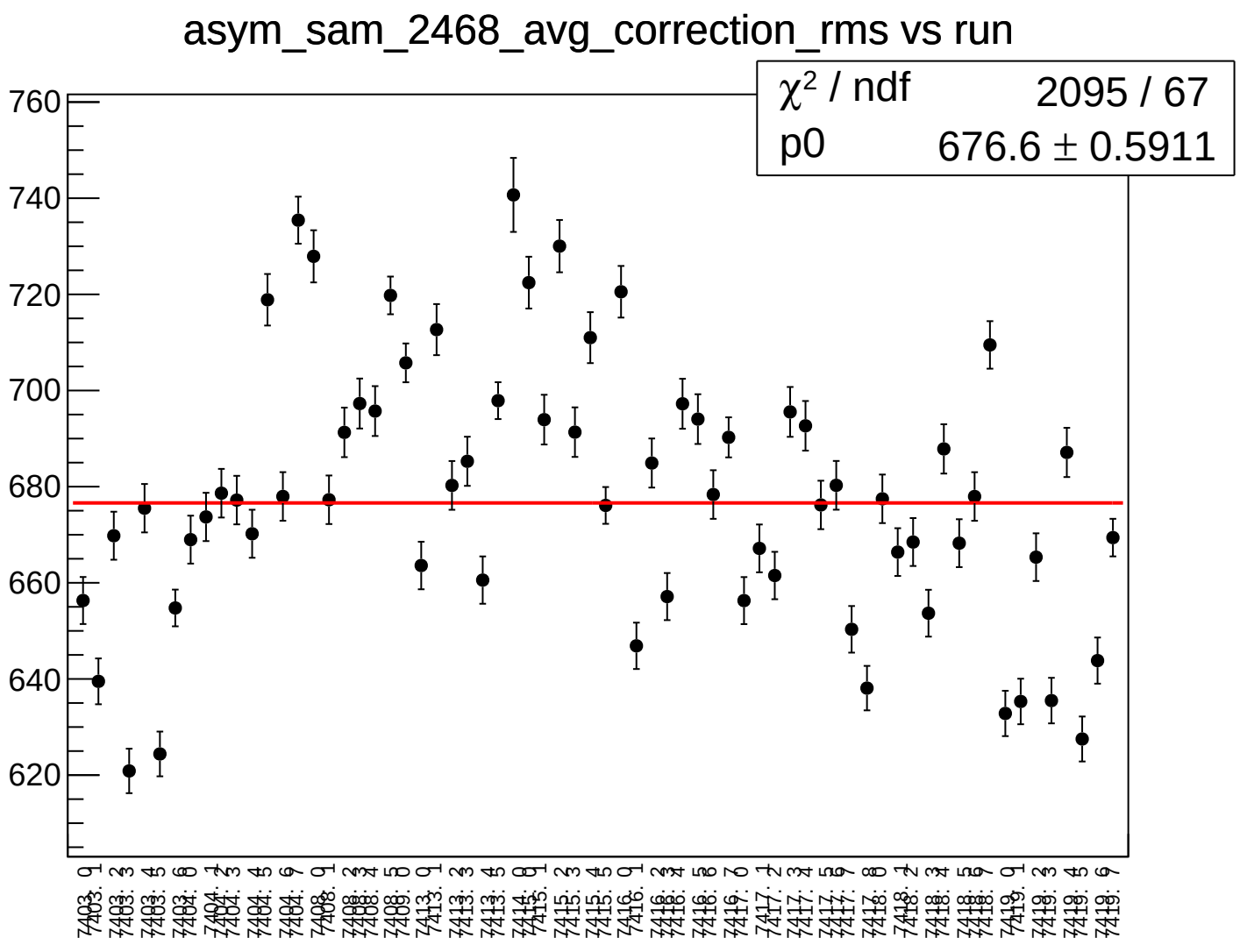

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 56.44 / 67
p0 51.15 ± 214.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 68
Mean 67.74
Std Dev 36.24
2
1.5
1
0.5
0
−0.5
−1
−1.5

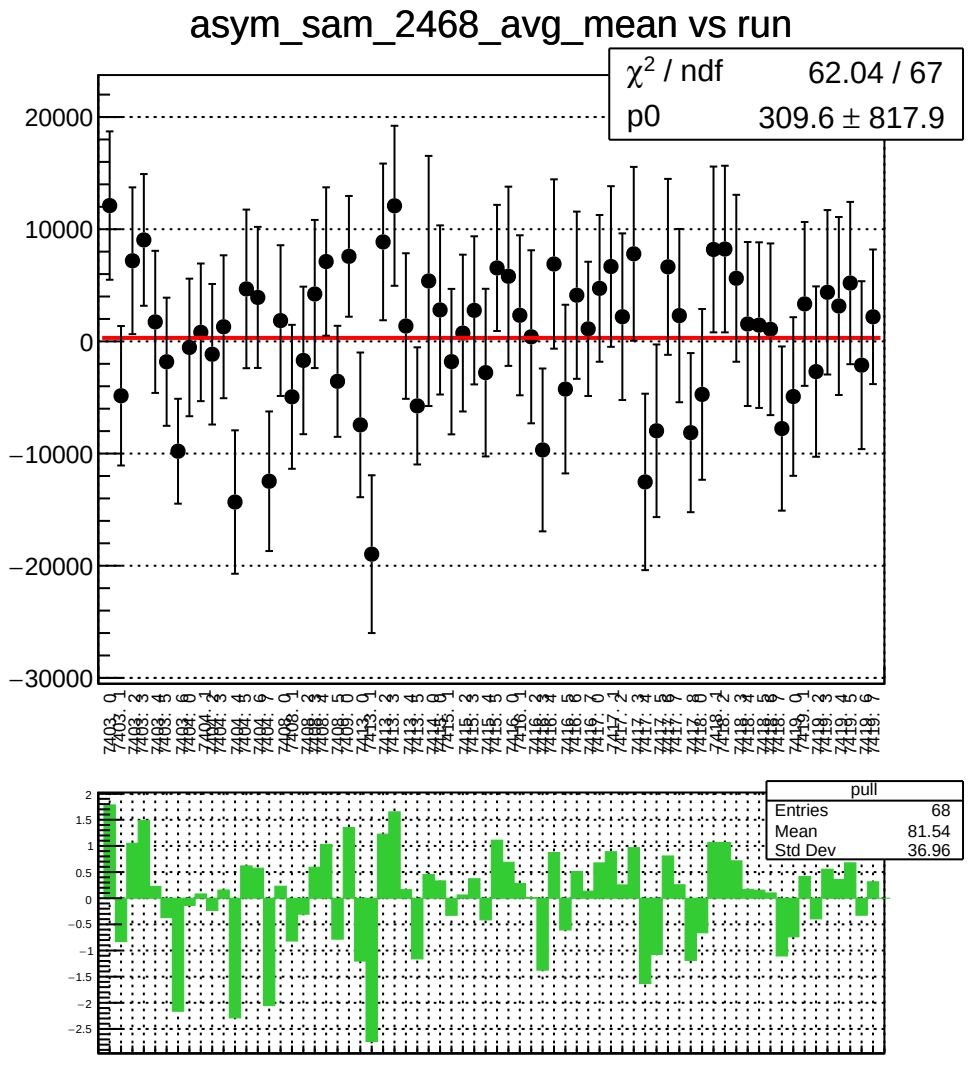

pull1D
Entries 68
Mean −0.0393
Std Dev 0.9102
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

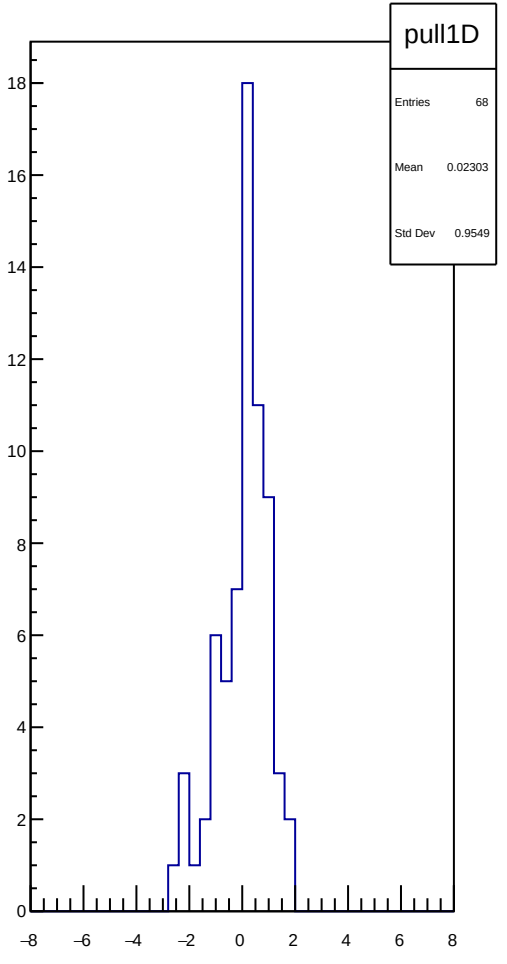

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4.105e+04 / 67
p0 171.3 ± 0.1519
240
220
200
180
160
140
120

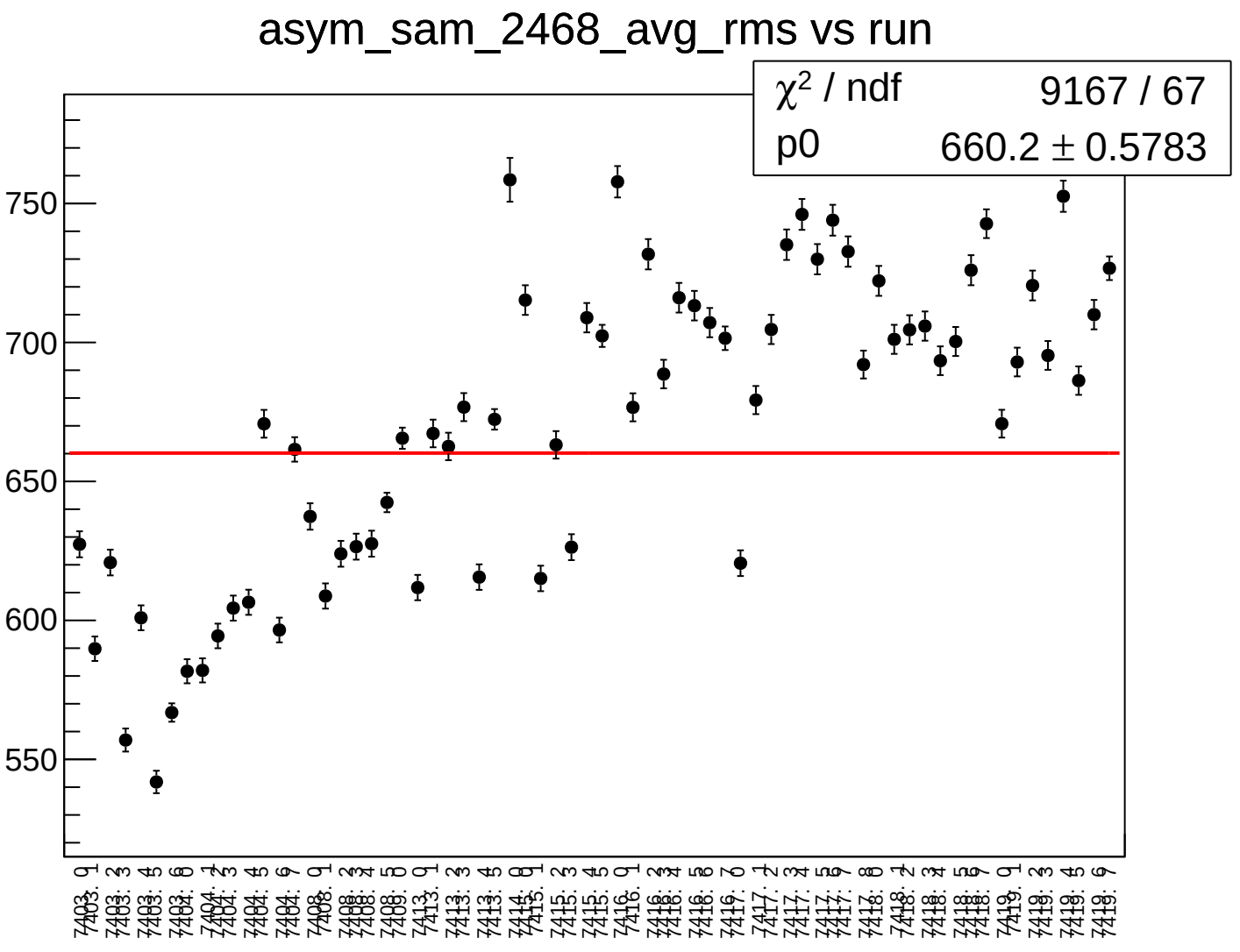

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 56.28 / 67
p0 −472.3 ± 835.9
30000
20000
10000
0
−10000
−20000
pull
Entries 68
Mean 122.1
Std Dev 82.61
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

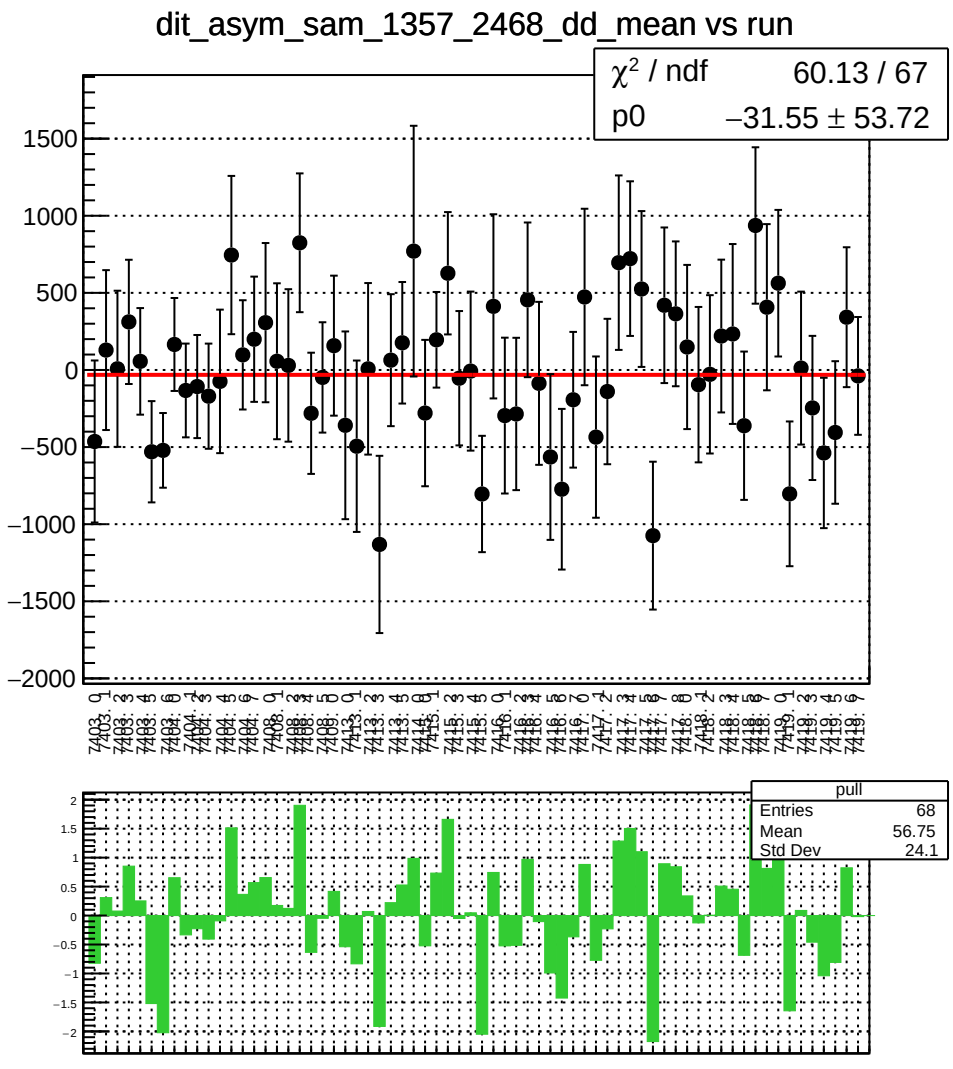

pull1D
Entries 68
Mean −0.01486
Std Dev 0.9096
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

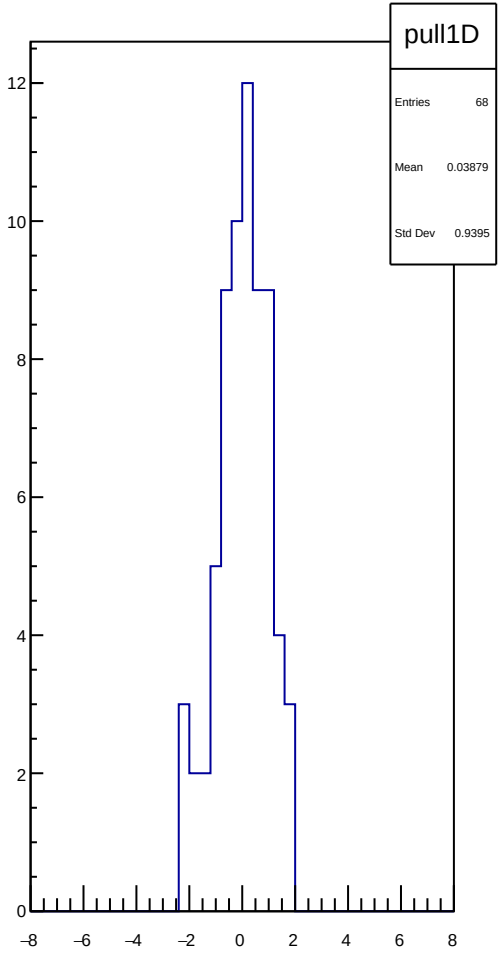

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2095 / 67
p0 676.6 ± 0.5911
760
740
720
700
680
660
640
620

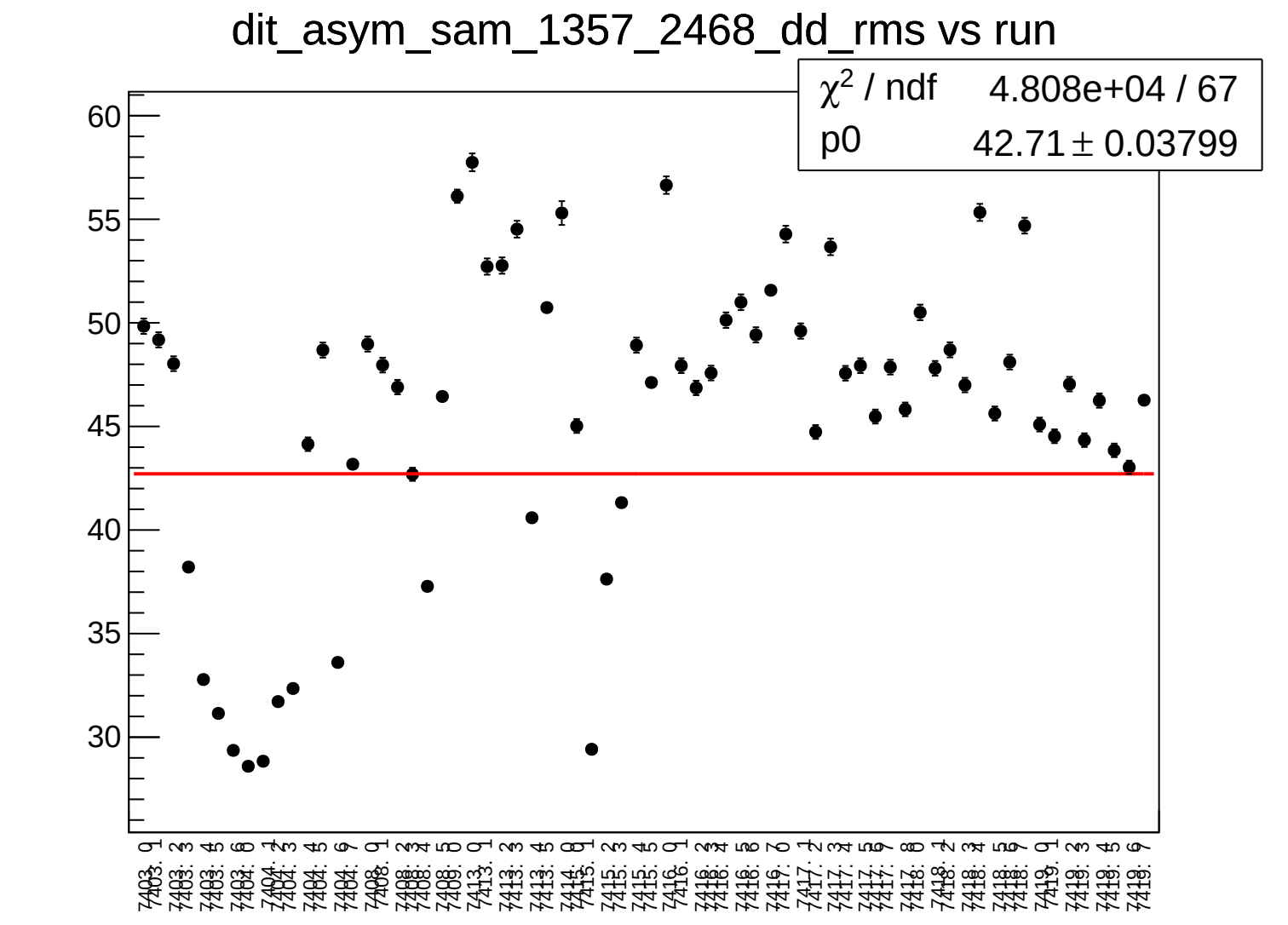

asym_sam_2468_avg_mean vs run
χ² / ndf 62.04 / 67
p0 309.6 ± 817.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 68
Mean 81.54
Std Dev 36.96
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

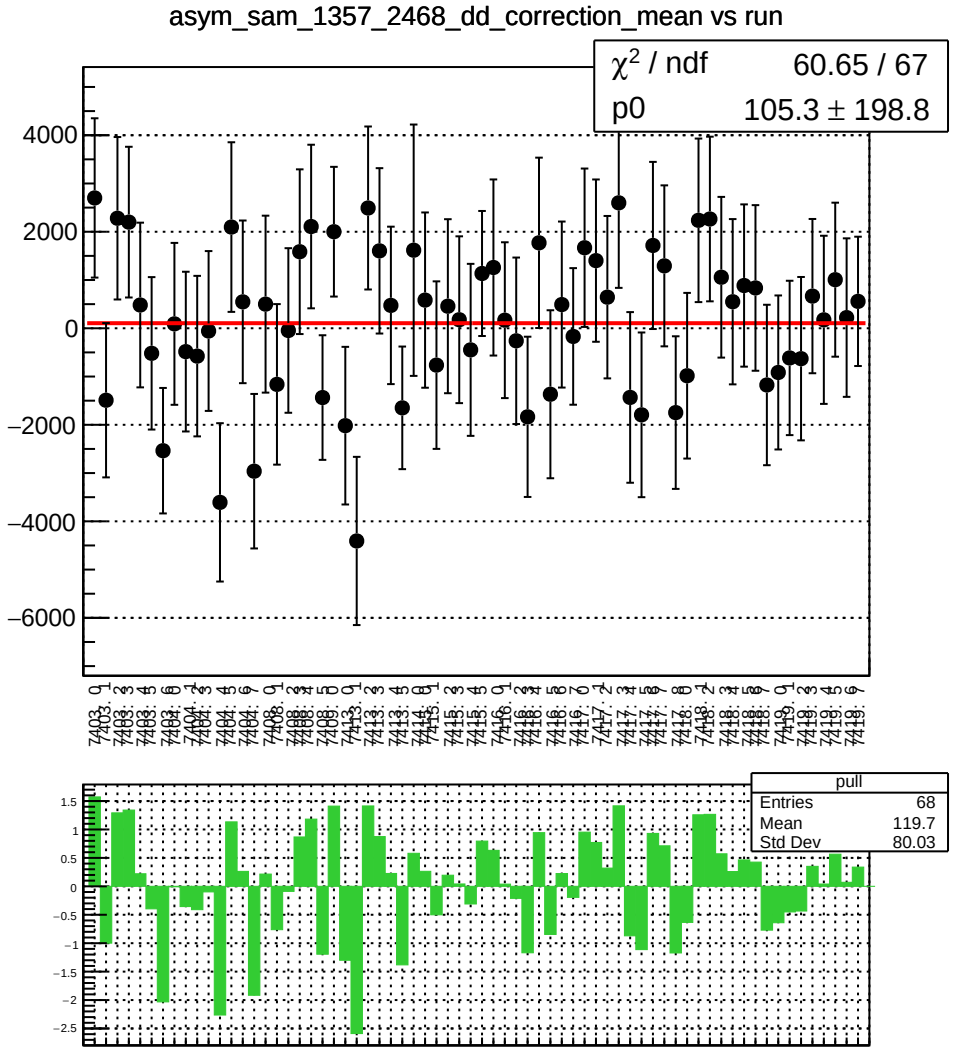

pull1D
Entries 68
Mean 0.02303
Std Dev 0.9549
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

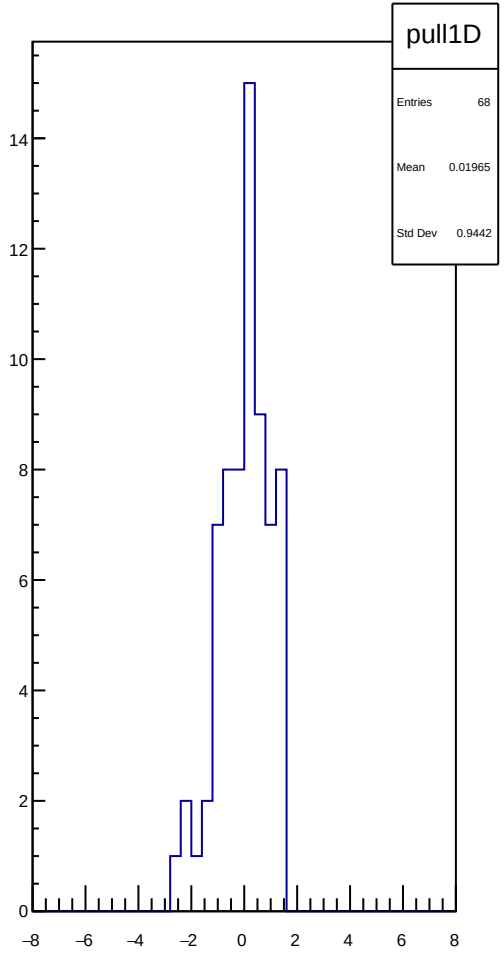

asym_sam_2468_avg_rms vs run
χ² / ndf 9167 / 67
p0 660.2 ± 0.5783
750
700
650
600
550

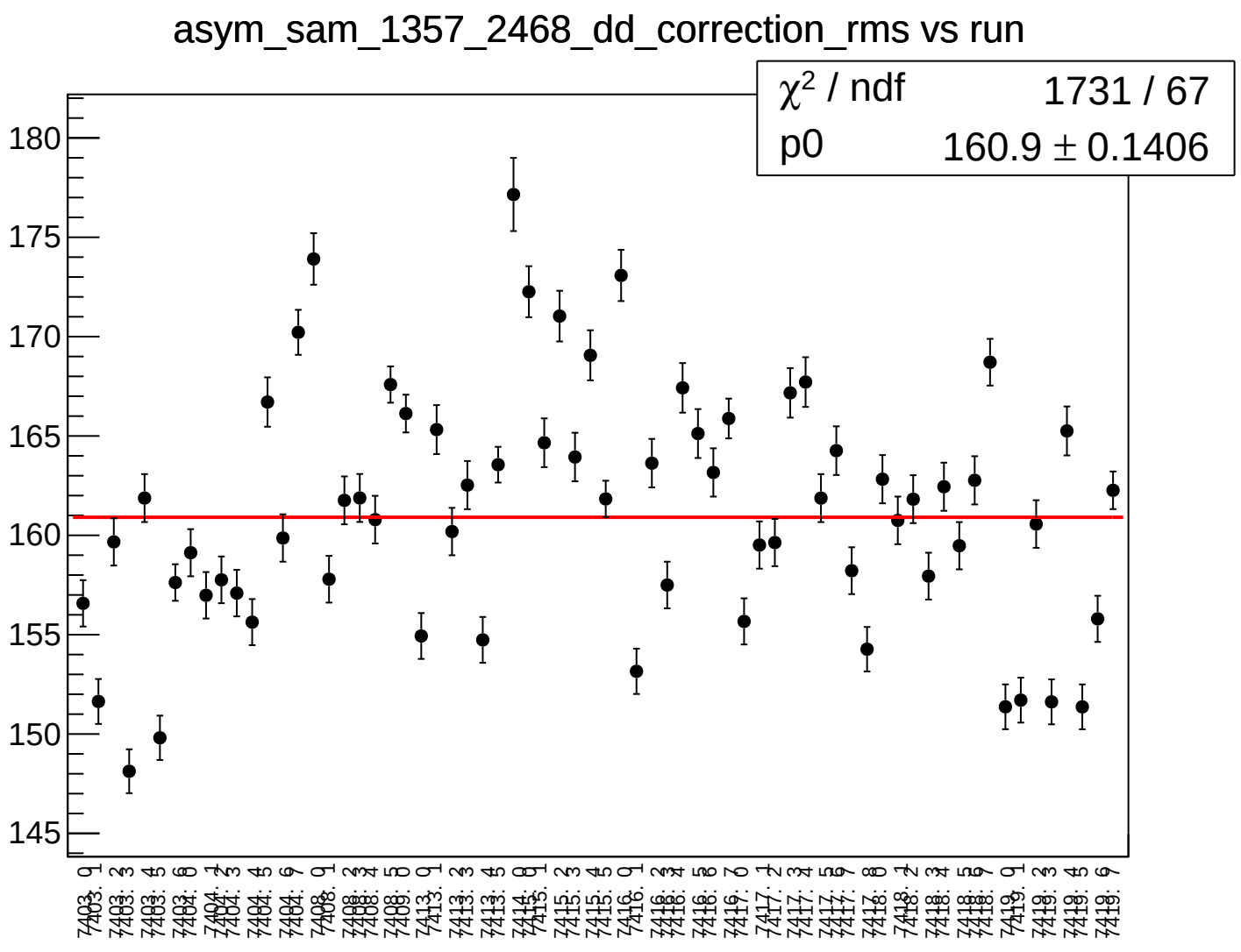

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.13 / 67
p0 −31.55 ± 53.72
pull
Entries 68
Mean 56.75
Std Dev 24.1

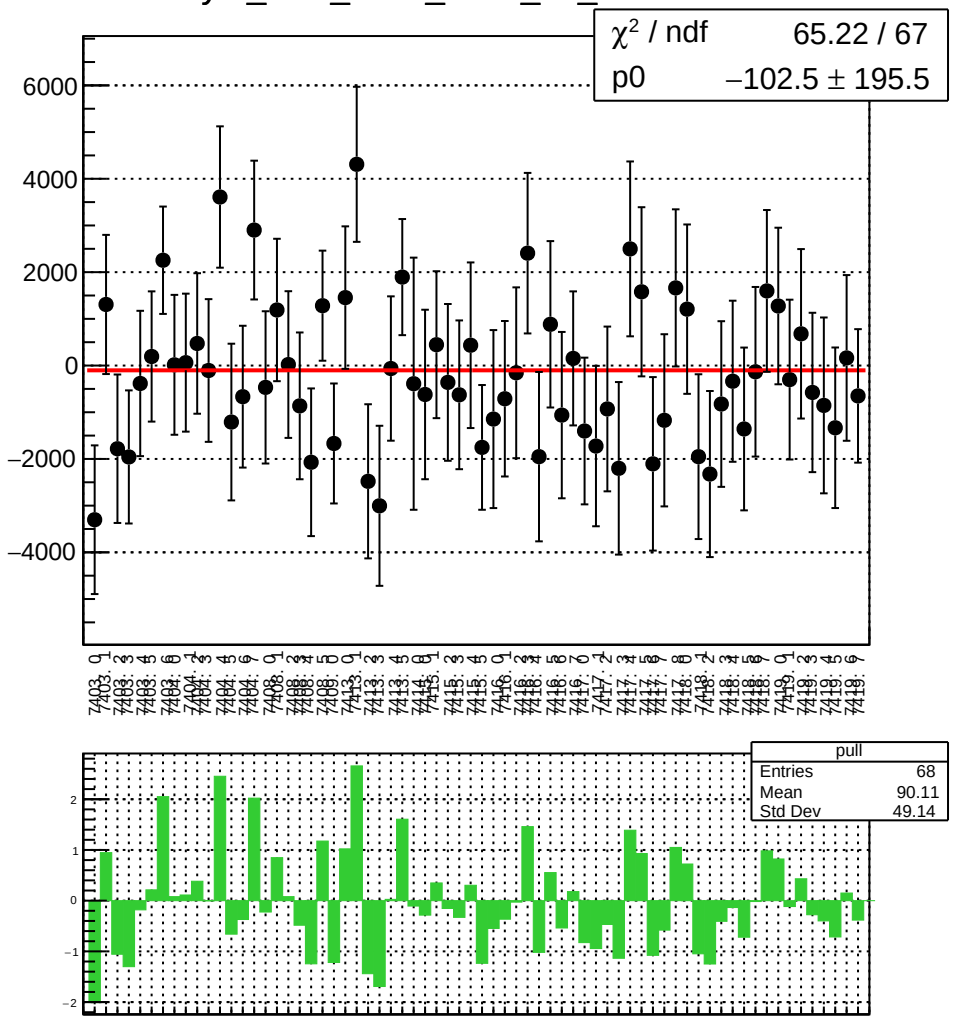

pull1D
Entries 68
Mean 0.03879
Std Dev 0.9395

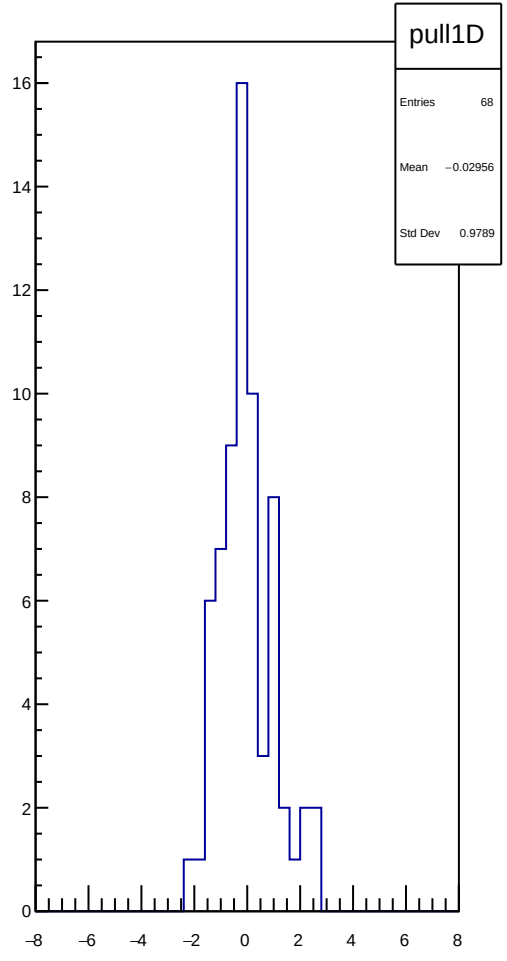

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 4.808e+04 / 67
p0 42.71 ± 0.03799
60
55
50
45
40
35
30

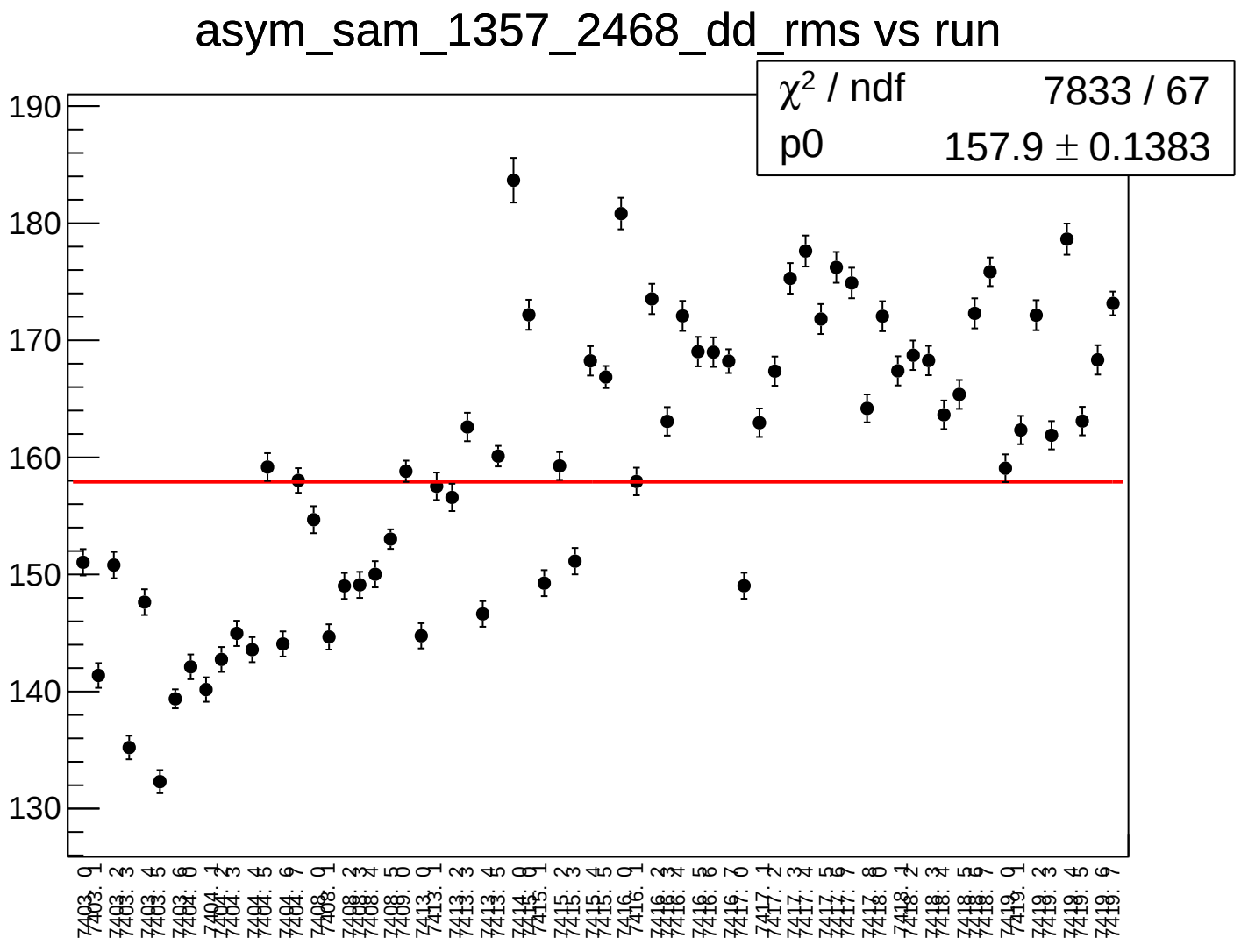

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 60.65 / 67
p0 105.3 ± 198.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 68
Mean 119.7
Std Dev 80.03
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

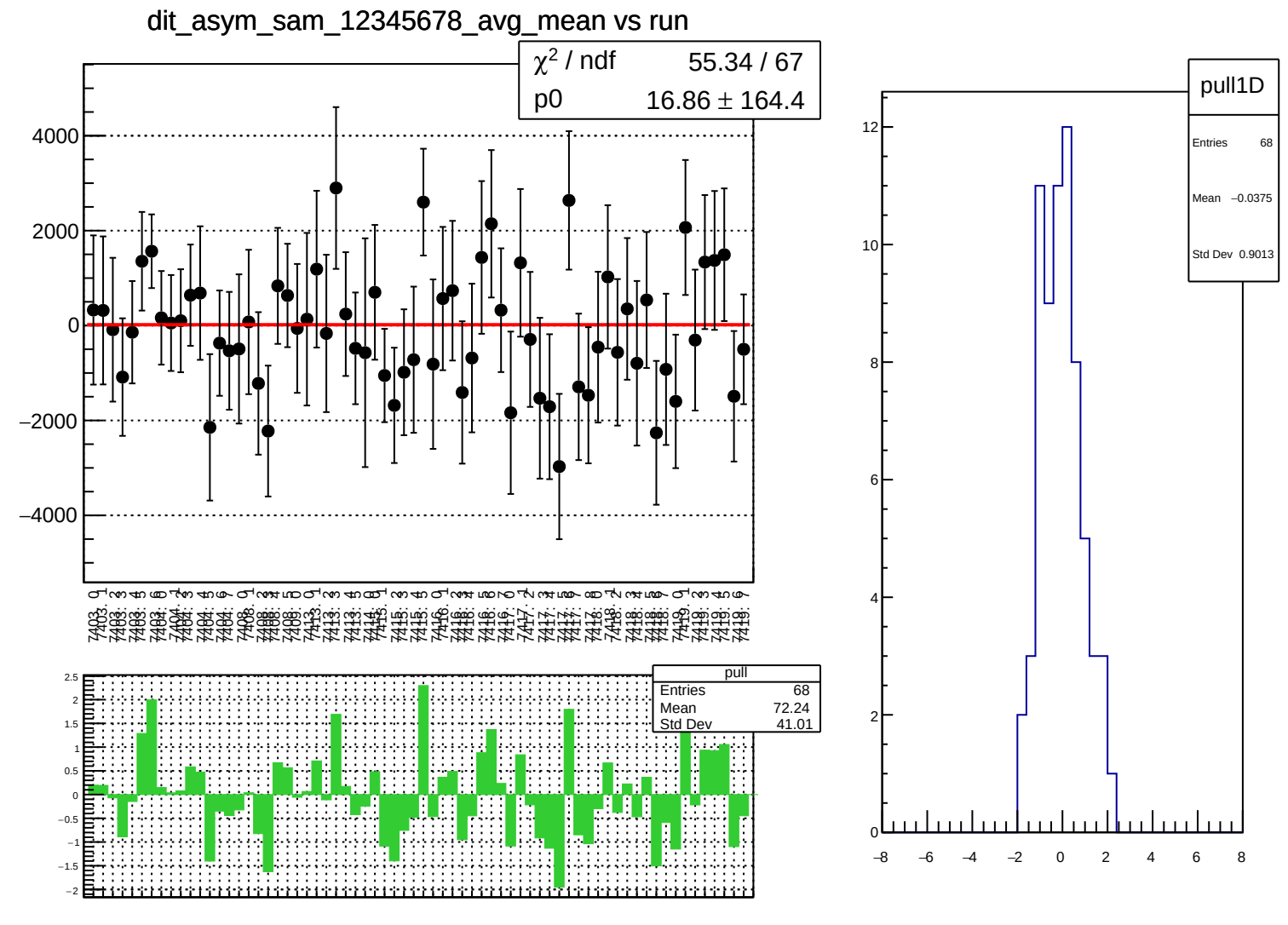

pull1D
Entries 68
Mean 0.01965
Std Dev 0.9442
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

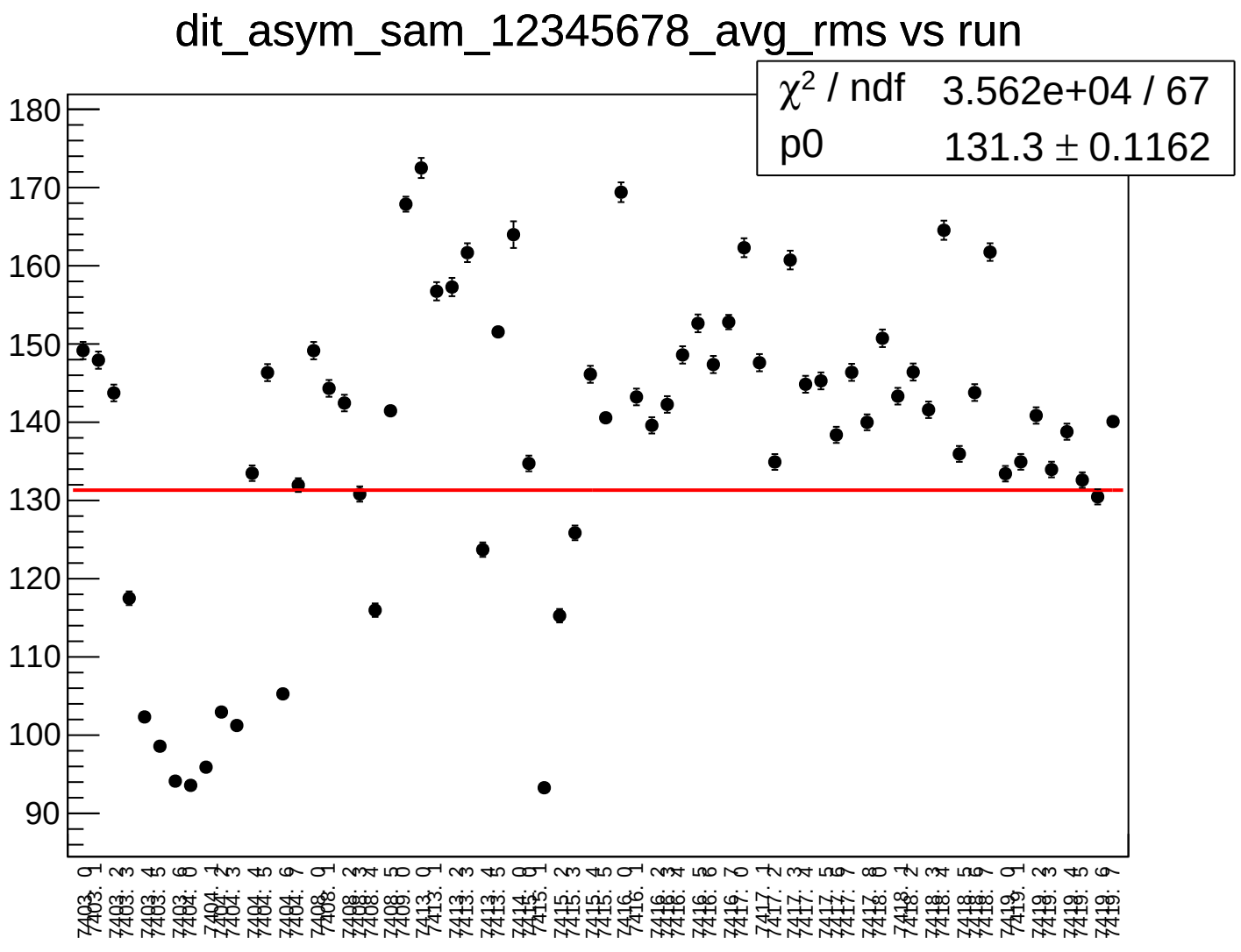

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1731 / 67
p0 160.9 ± 0.1406
180
175
170
165
160
155
150
145

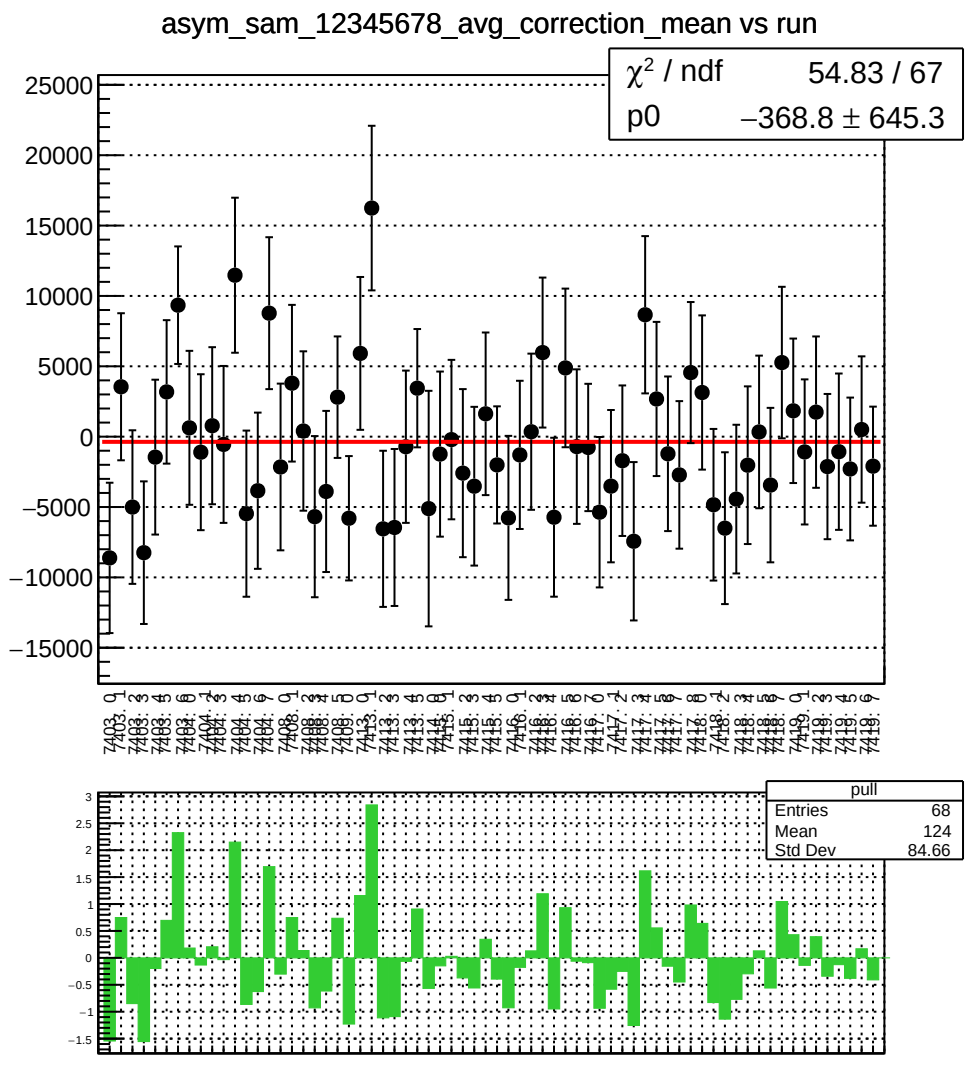

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 65.22 / 67
p0 −102.5 ± 195.5
6000
4000
2000
0
−2000
−4000
pull
Entries 68
Mean 90.11
Std Dev 49.14
2
1
0
−1
−2

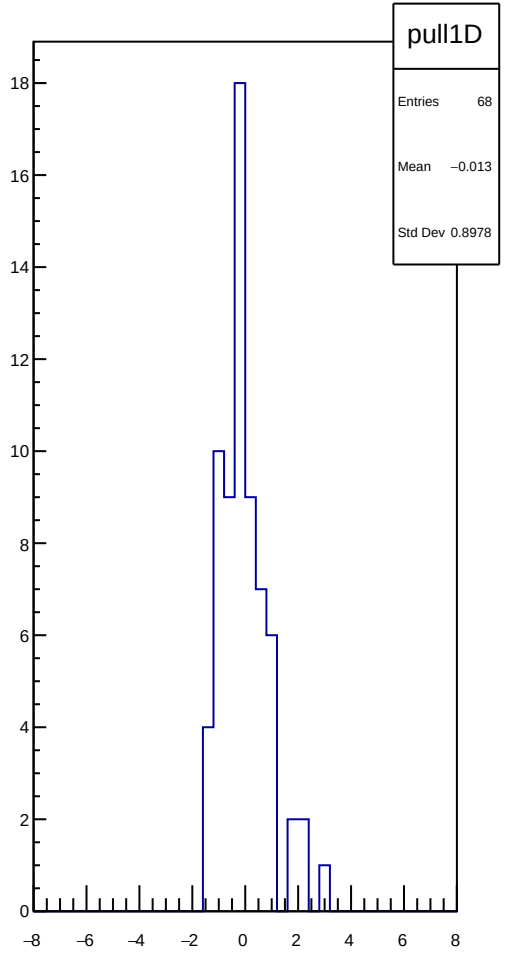

pull1D
Entries 68
Mean −0.02956
Std Dev 0.9789
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

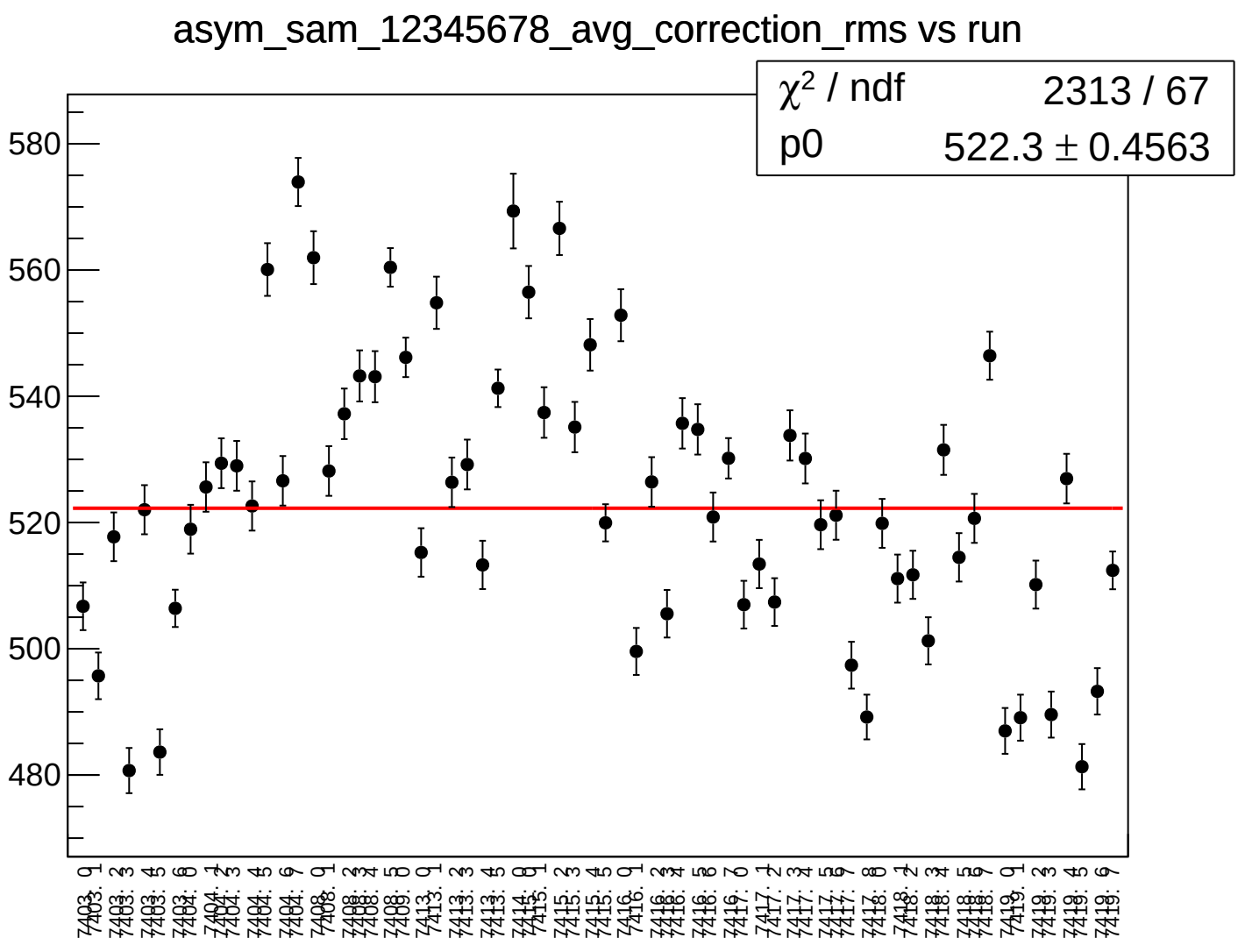

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7833 / 67
p0 157.9 ± 0.1383
190
180
170
160
150
140
130

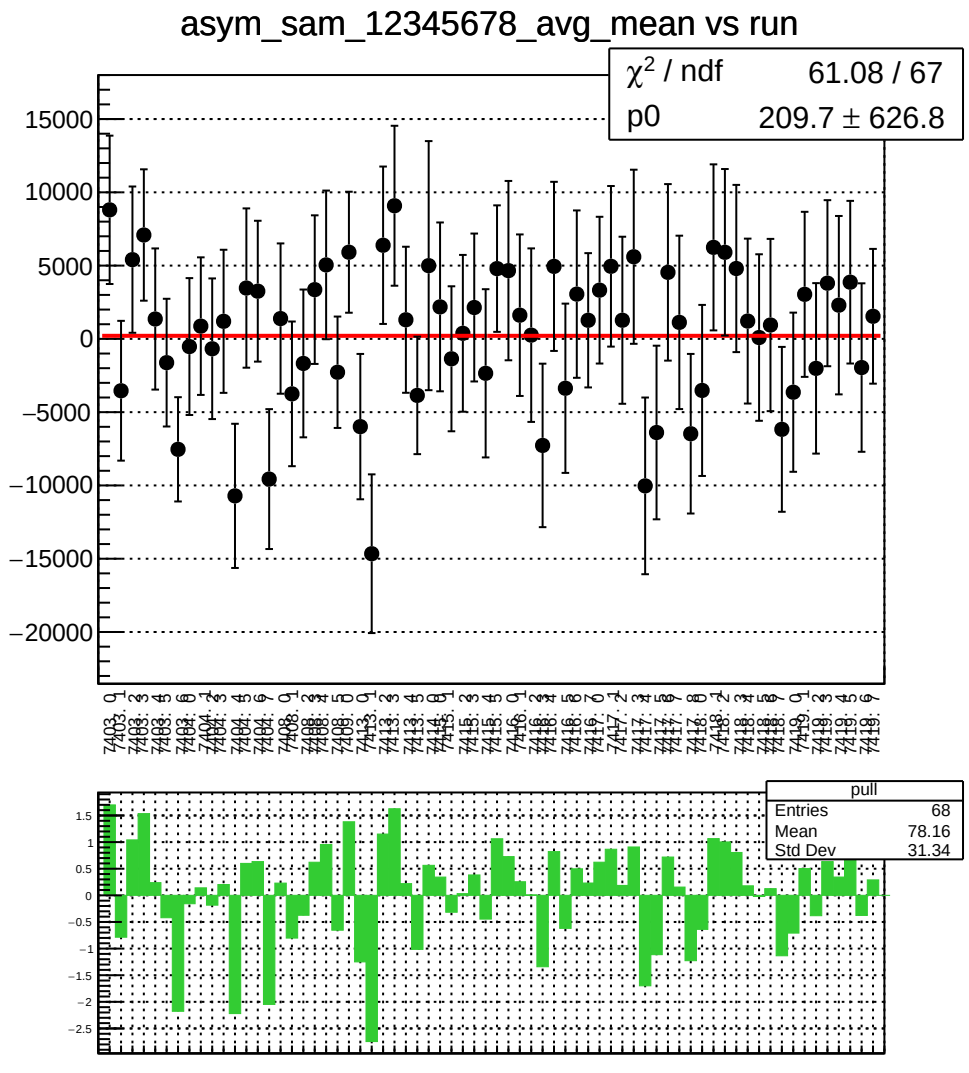

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 55.34 / 67
p0 16.86 ± 164.4
4000
2000
0
−2000
−4000
pull
Entries 68
Mean 72.24
Std Dev 41.01
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean −0.0375
Std Dev 0.9013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

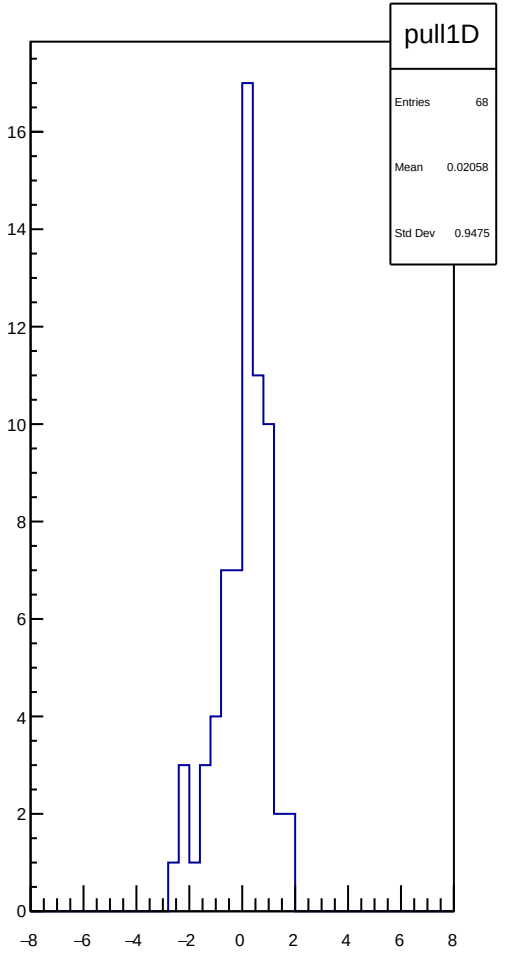

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.562e+04 / 67
p0 131.3 ± 0.1162
180
170
160
150
140
130
120
110
100
90

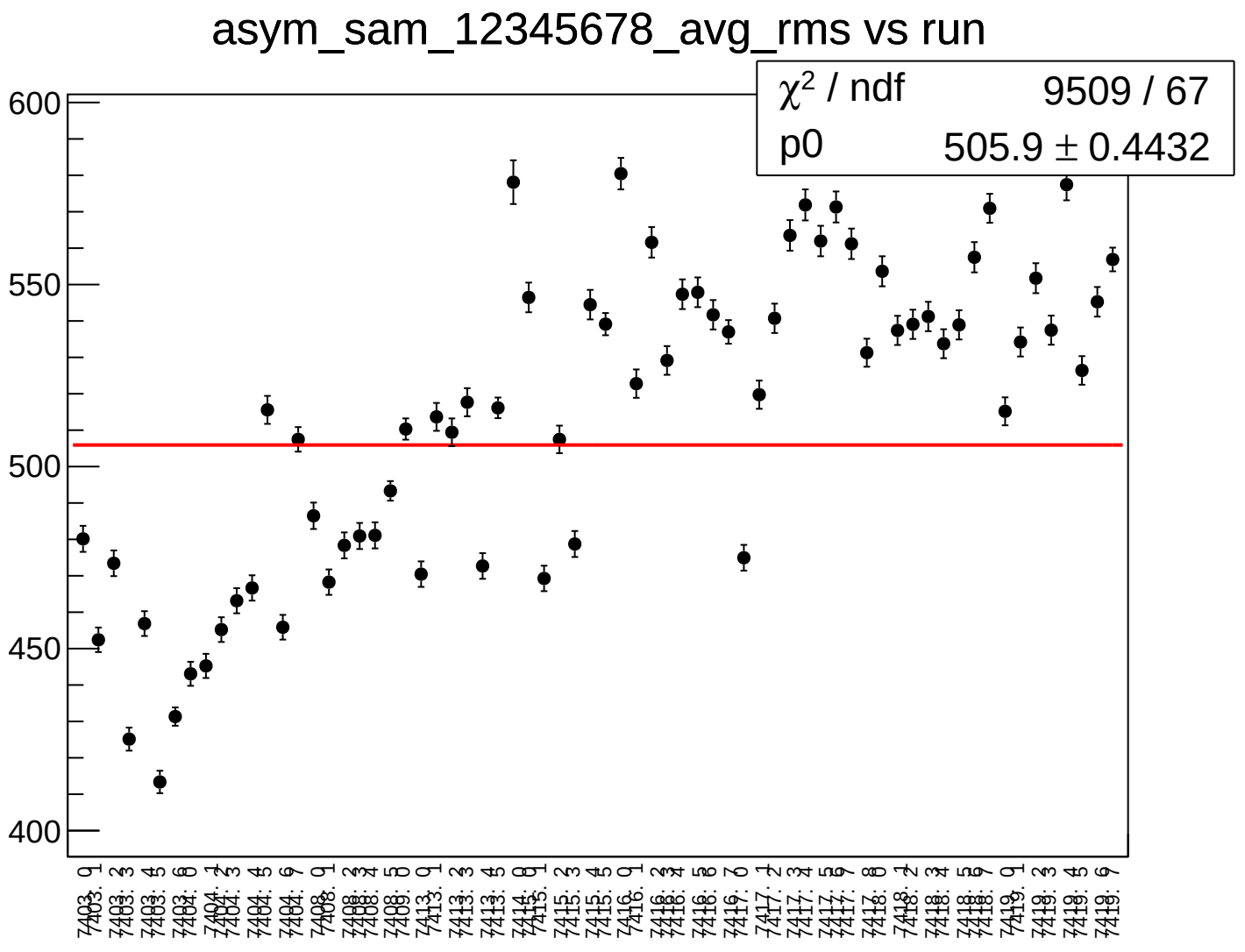

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 54.83 / 67
p0 −368.8 ± 645.3
pull
Entries 68
Mean 124
Std Dev 84.66

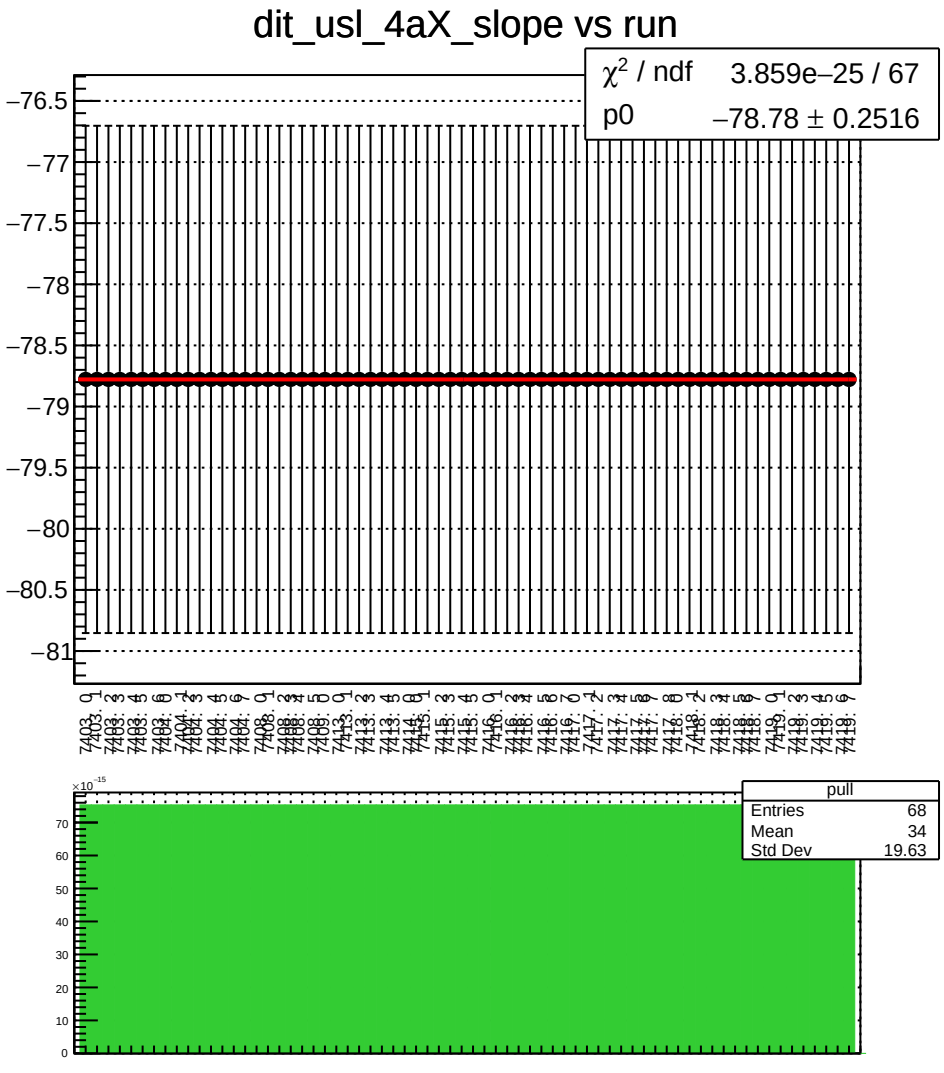

pull1D
Entries 68
Mean −0.013
Std Dev 0.8978

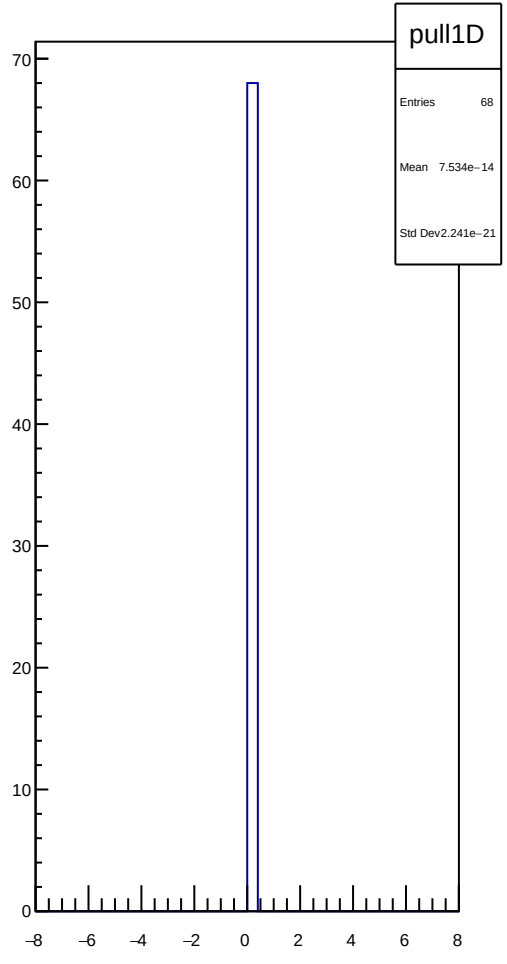

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2313 / 67
p0 522.3 ± 0.4563
580
560
540
520
500
480

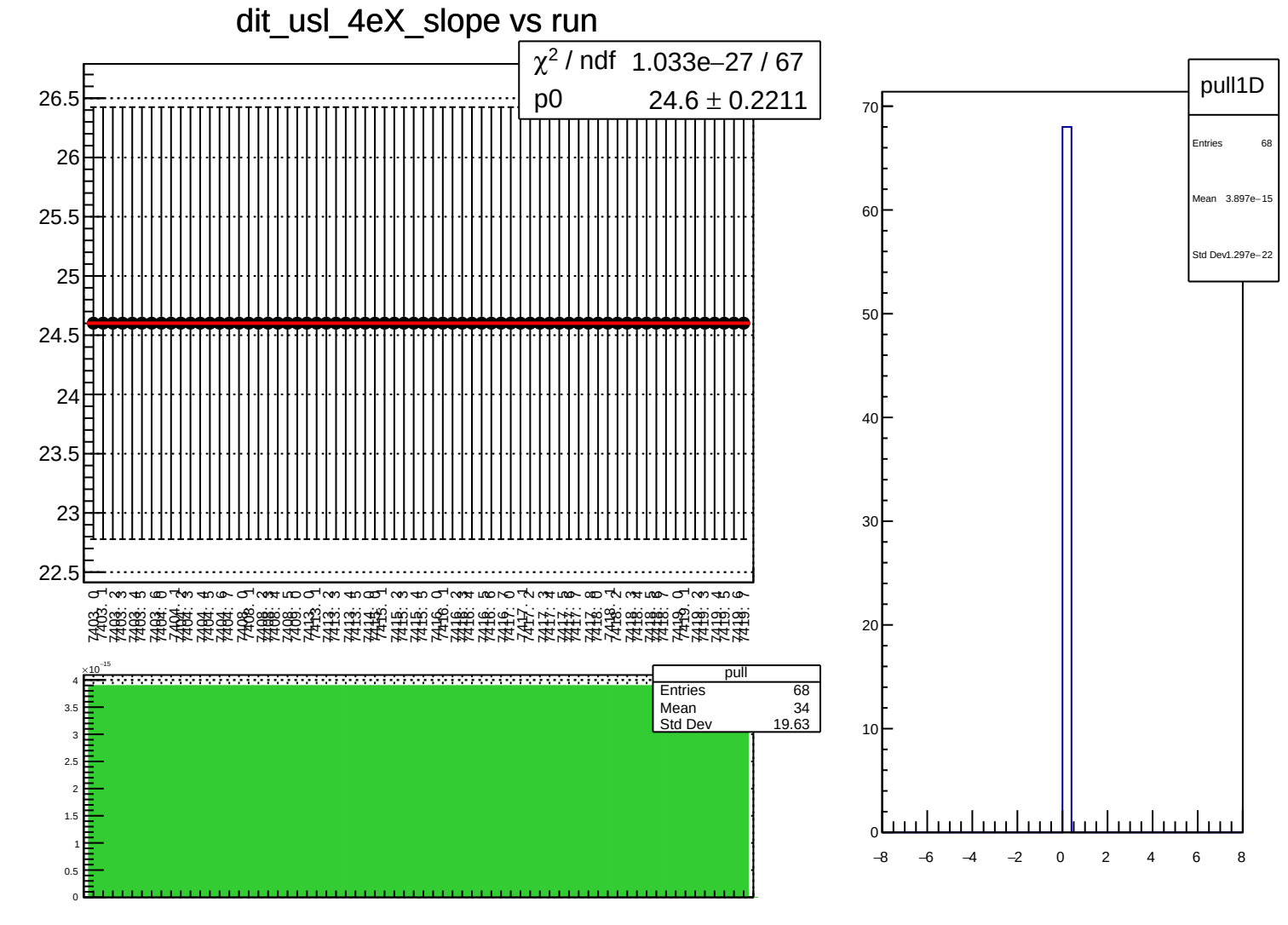

asym_sam_12345678_avg_mean vs run
χ² / ndf 61.08 / 67
p0 209.7 ± 626.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 68
Mean 78.16
Std Dev 31.34
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

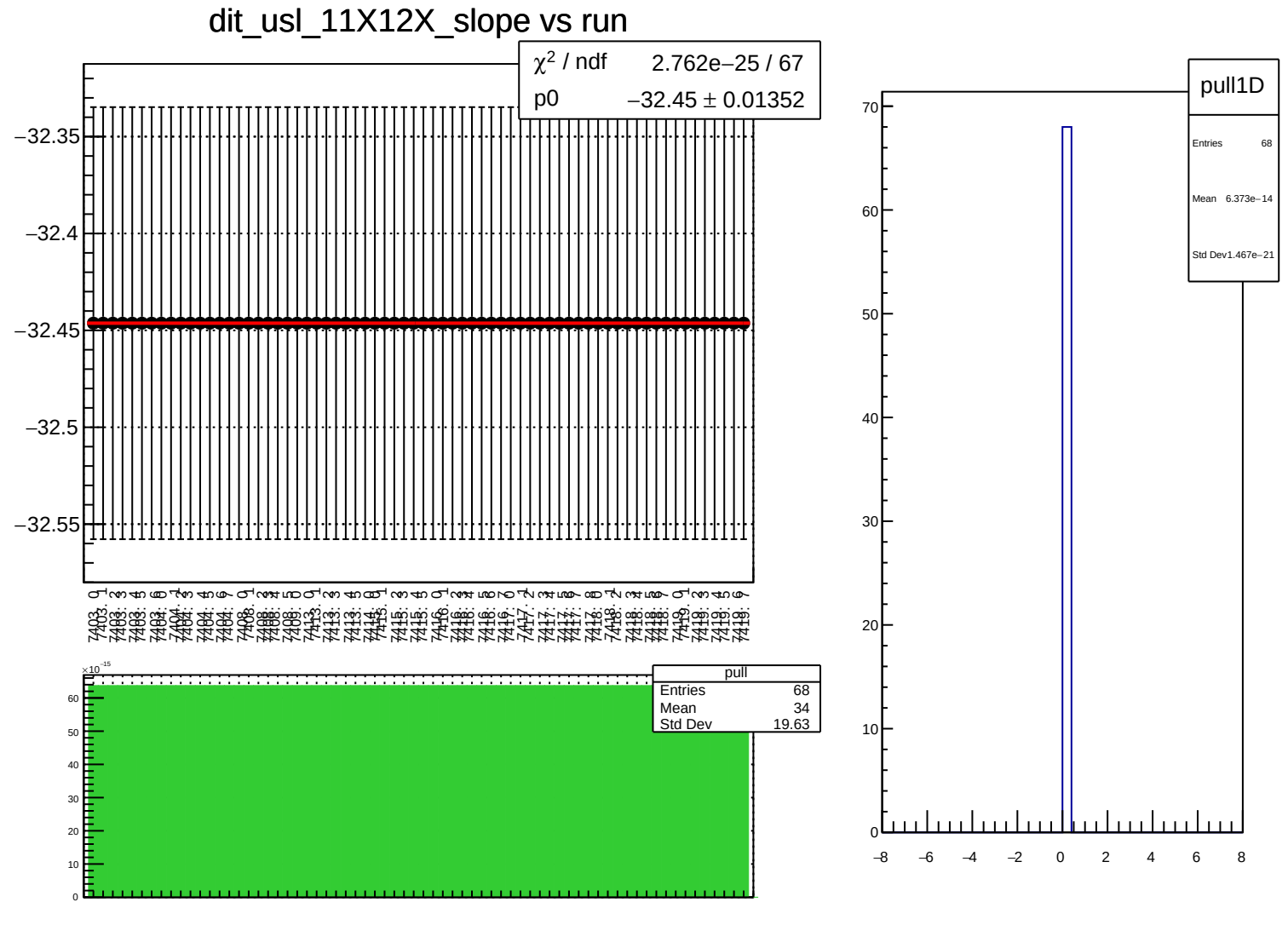

pull1D
Entries 68
Mean 0.02058
Std Dev 0.9475
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

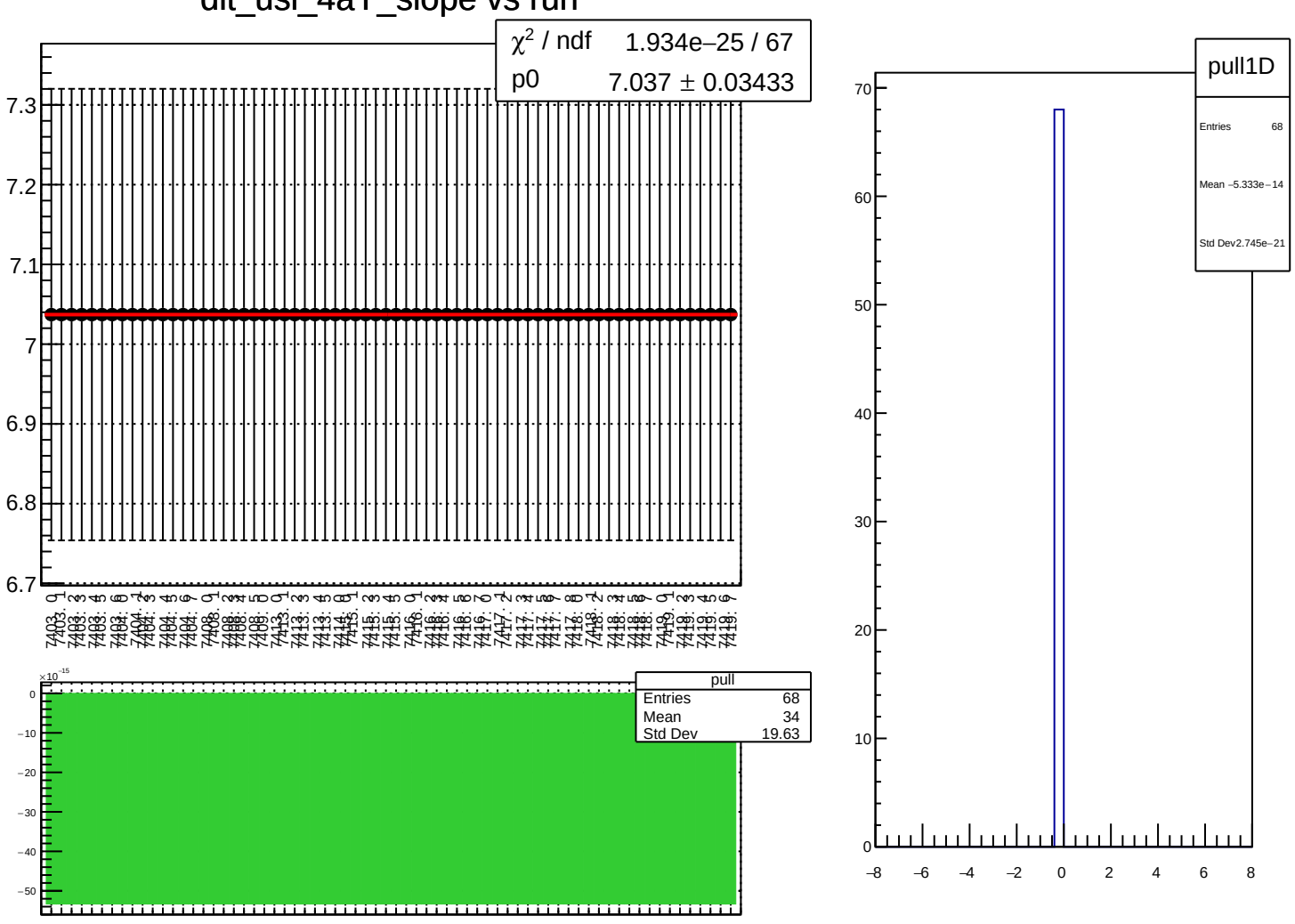

asym_sam_12345678_avg_rms vs run
χ² / ndf 9509 / 67
p0 505.9 ± 0.4432
600
550
500
450
400

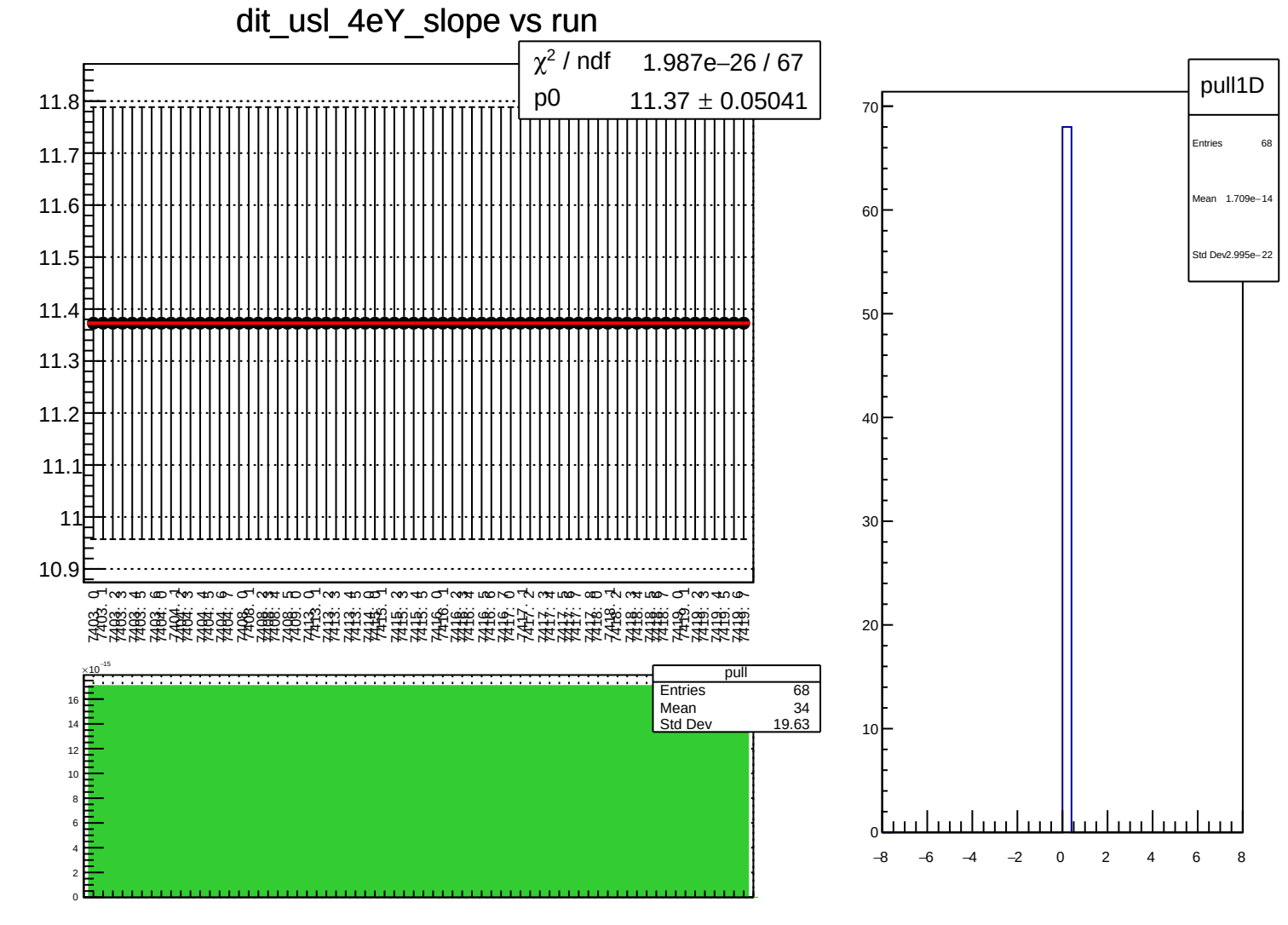

dit_usl_4aX_slope vs run
χ² / ndf 3.859e−25 / 67
p0 −78.78 ± 0.2516
−76.5
−77
−77.5
−78
−78.5
−79
−79.5
−80
−80.5
−81
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
70
60
50
40
30
20
10
0

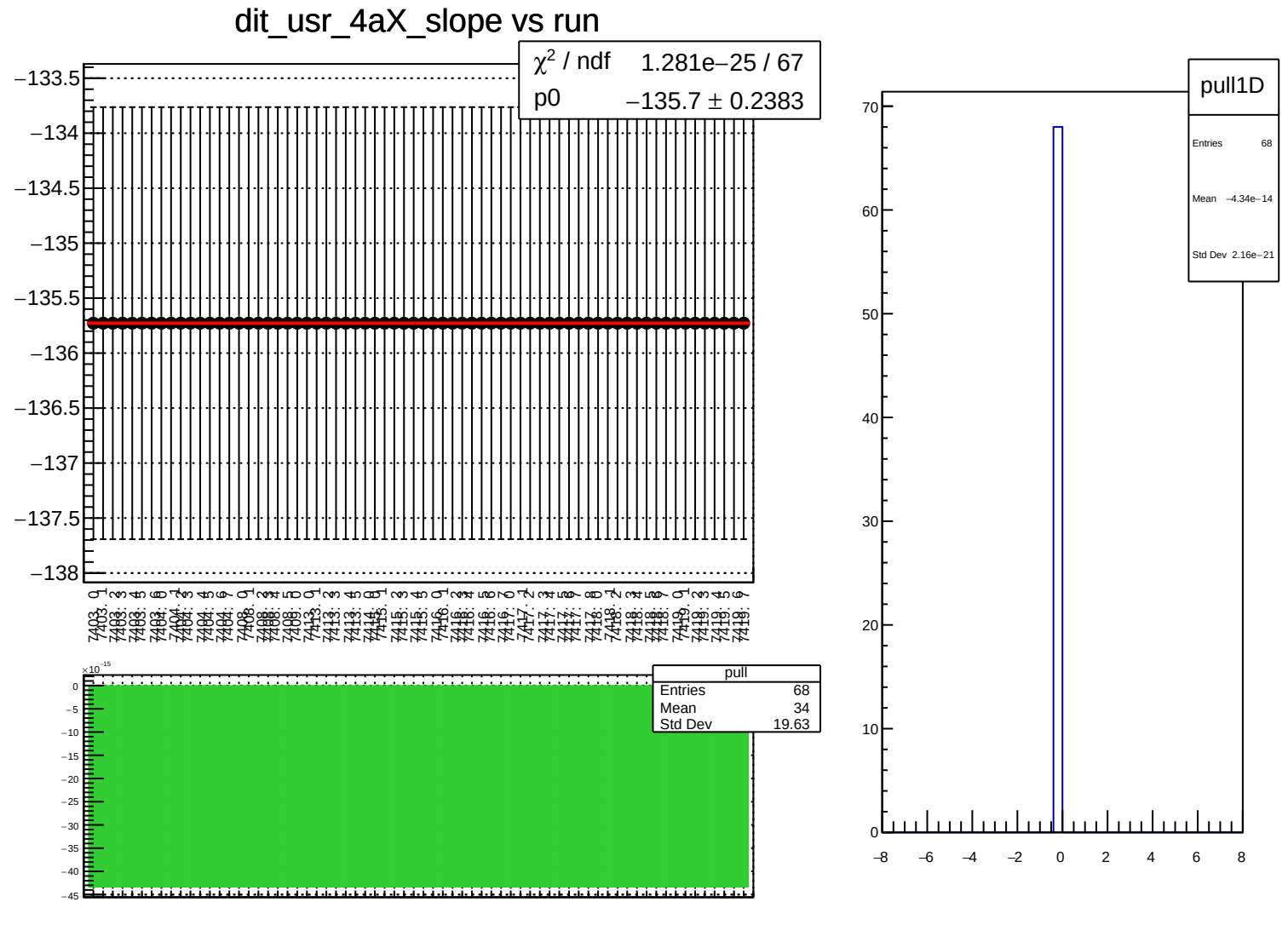

pull1D
Entries 68
Mean 7.534e−14
Std Dev2.241e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

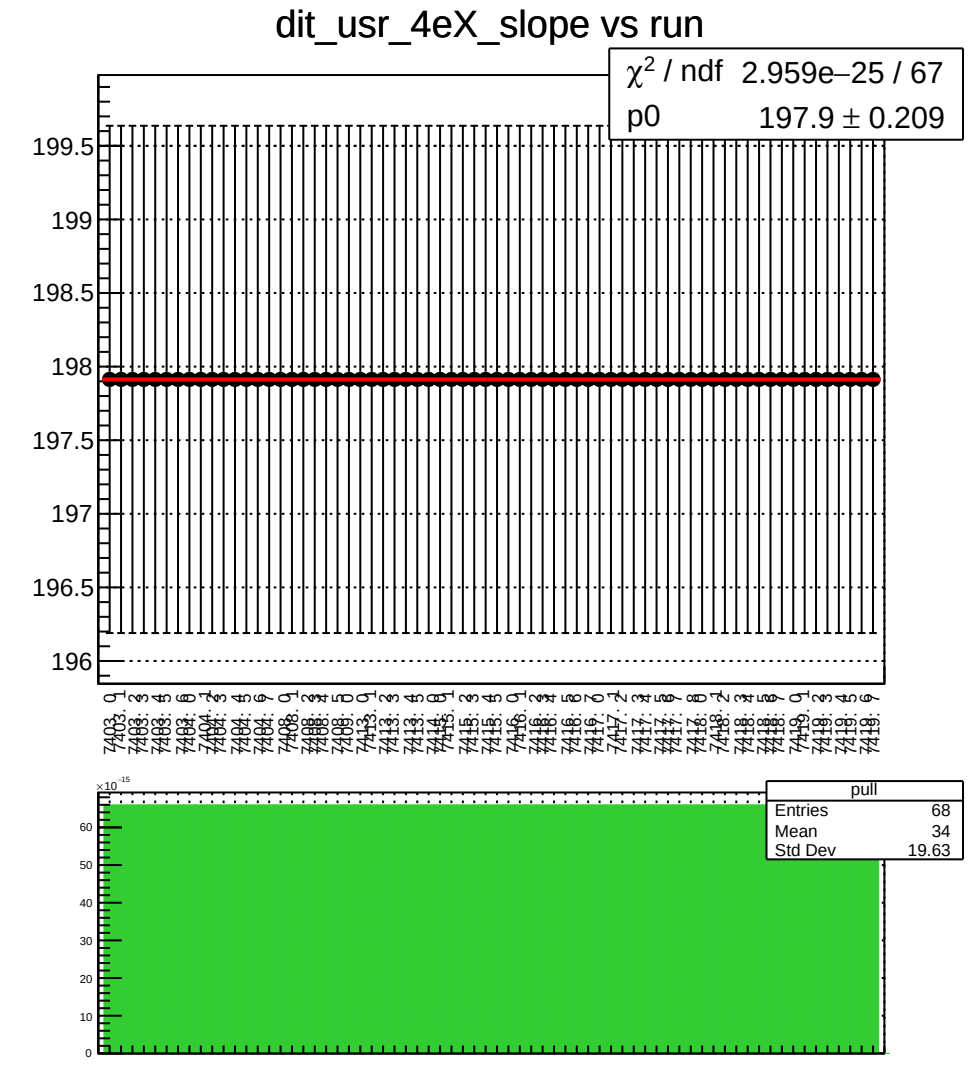

dit_usl_4eX_slope vs run
χ² / ndf 1.033e−27 / 67
p0 24.6 ± 0.2211
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 3.897e−15
Std Dev 1.297e−22

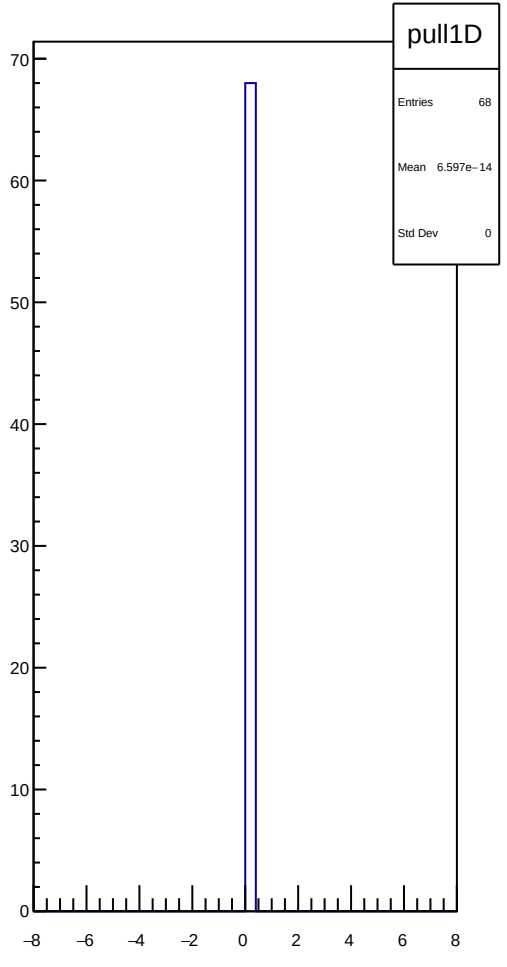

dit_usl_11X12X_slope vs run
χ² / ndf 2.762e−25 / 67
p0 −32.45 ± 0.01352
−32.35
−32.4
−32.45
−32.5
−32.55
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
pull1D
Entries 68
Mean 6.373e−14
Std Dev 1.467e−21

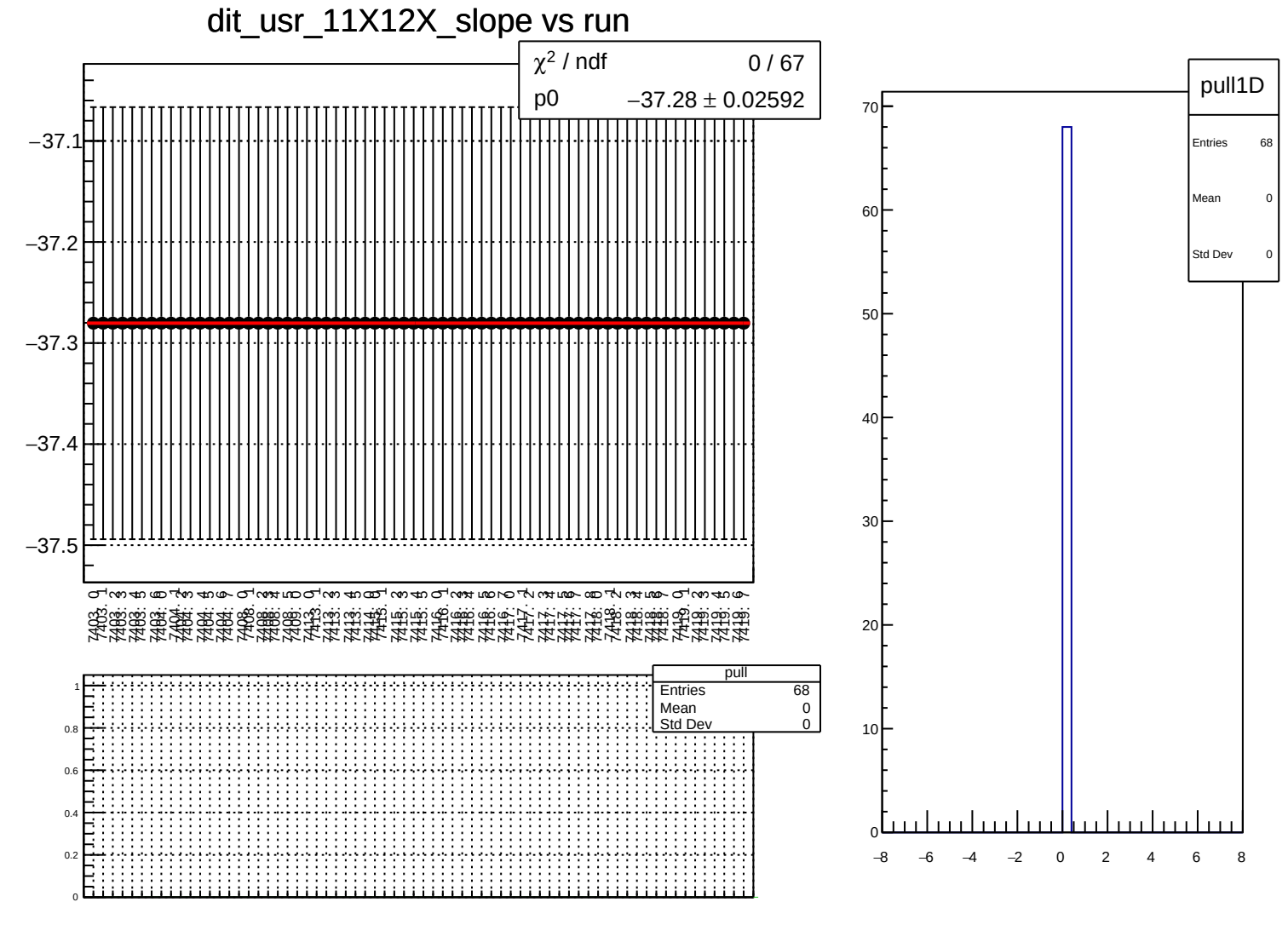

dit_usl_4aY_slope vs run
χ² / ndf 1.934e−25 / 67
p0 7.037 ± 0.03433
7.3
7.2
7.1
7
6.9
6.8
6.7
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 68
Mean −5.333e−14
Std Dev2.745e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

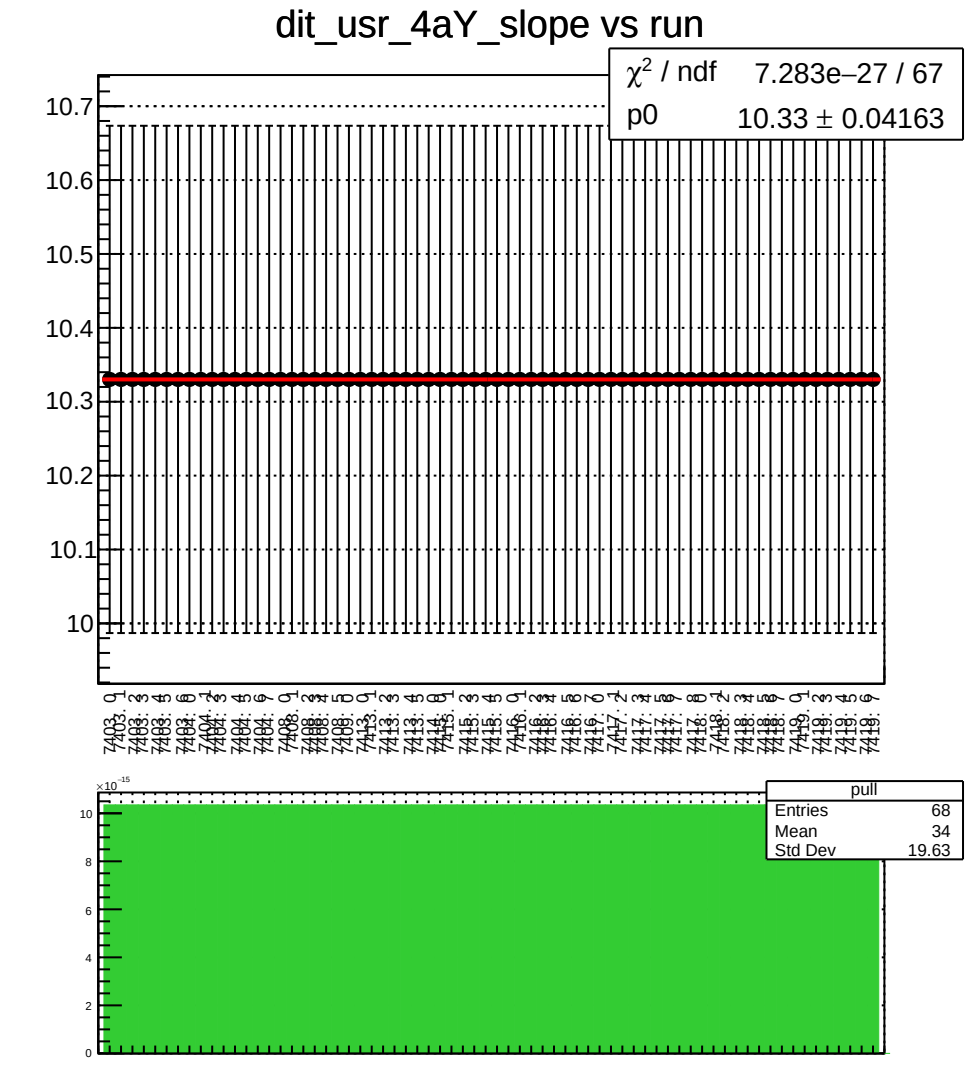

dit_usl_4eY_slope vs run
χ² / ndf 1.987e−26 / 67
p0 11.37 ± 0.05041
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 1.709e−14
Std Dev 2.995e−22

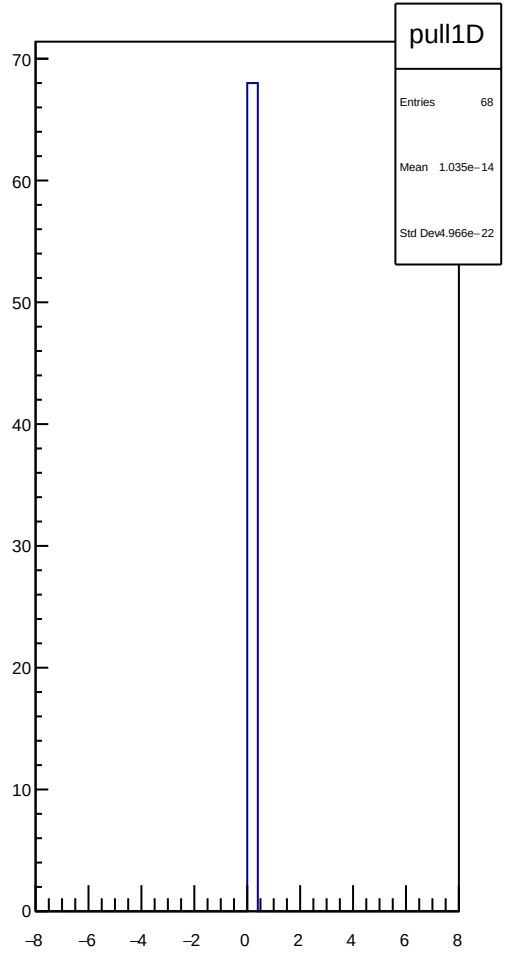

dit_usr_4aX_slope vs run
χ^2 / ndf 1.281e−25 / 67
p0 −135.7 ± 0.2383
−133.5
−134
−134.5
−135
−135.5
−136
−136.5
−137
−137.5
−138
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean −4.34e−14
Std Dev 2.16e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

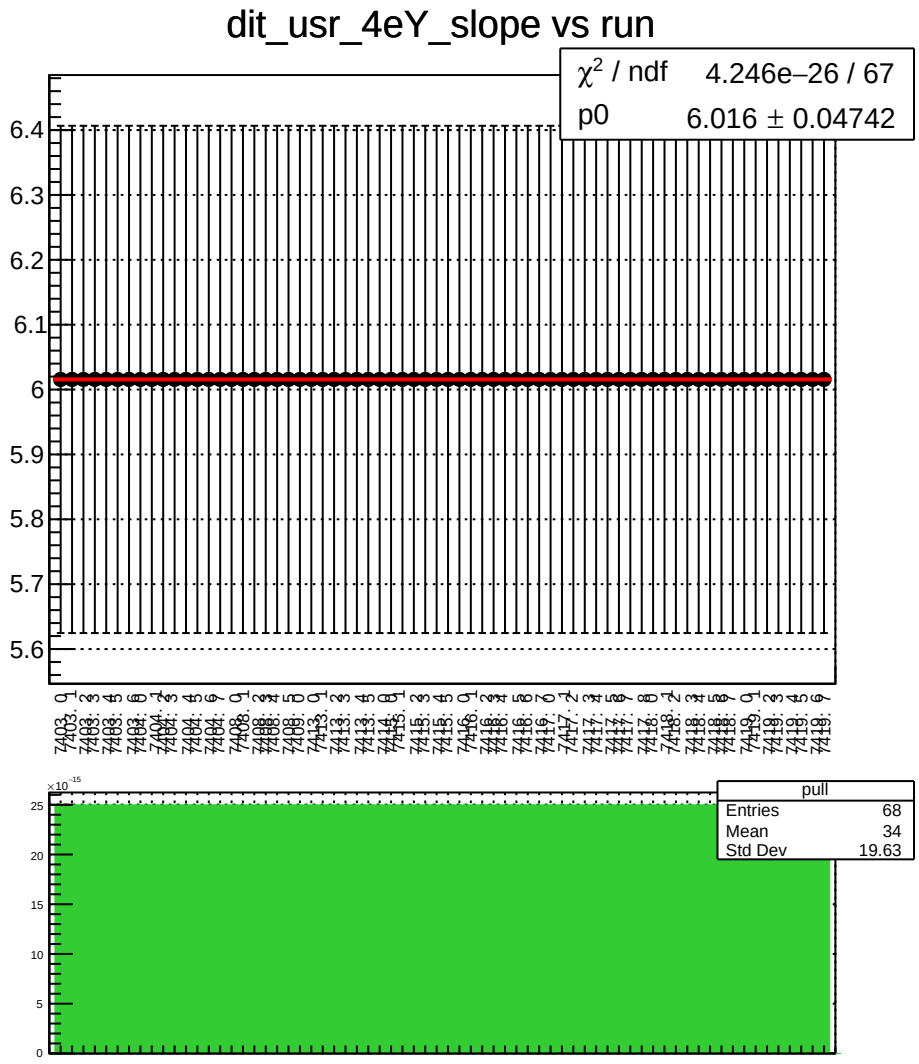

dit_usr_4eX_slope vs run
χ^2 / ndf 2.959e−25 / 67
p0 197.9 ± 0.209
199.5
199
198.5
198
197.5
197
196.5
196
pull
Entries 68
Mean 34
Std Dev 19.63
×10^-15
60
50
40
30
20
10
0

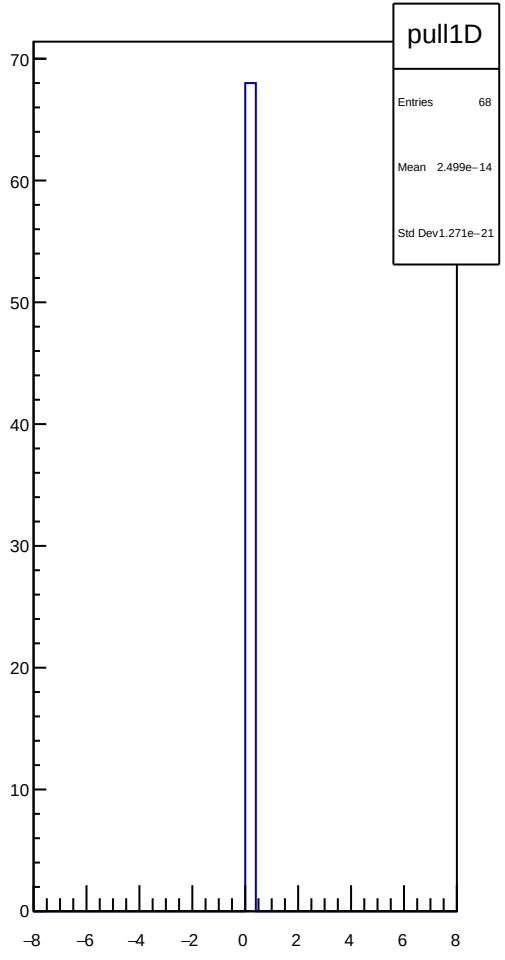

pull1D
Entries 68
Mean 6.597e−14
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

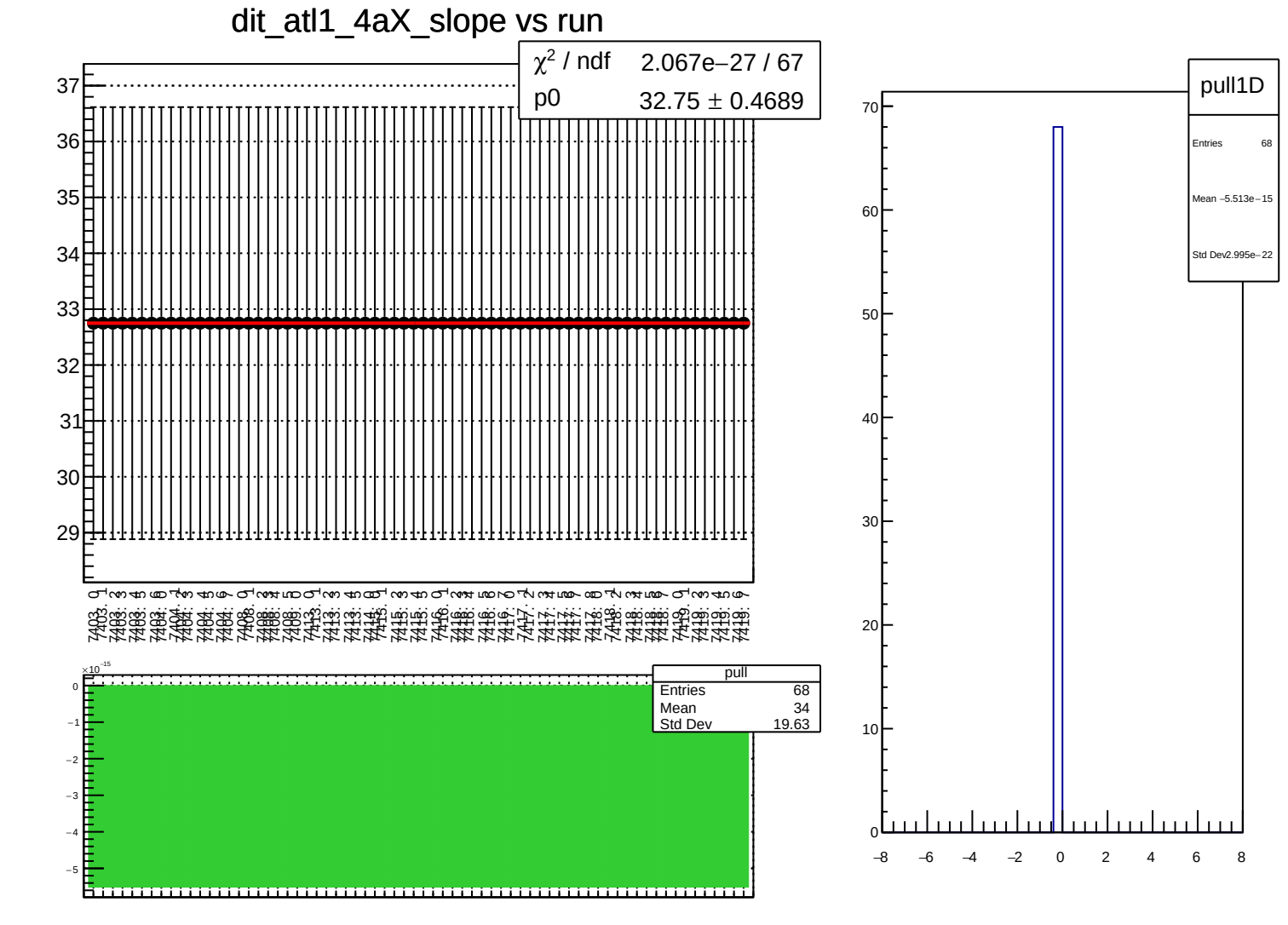

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 67
p0 −37.28 ± 0.02592
−37.1
−37.2
−37.3
−37.4
−37.5
pull
Entries 68
Mean 0
Std Dev 0
pull1D
Entries 68
Mean 0
Std Dev 0

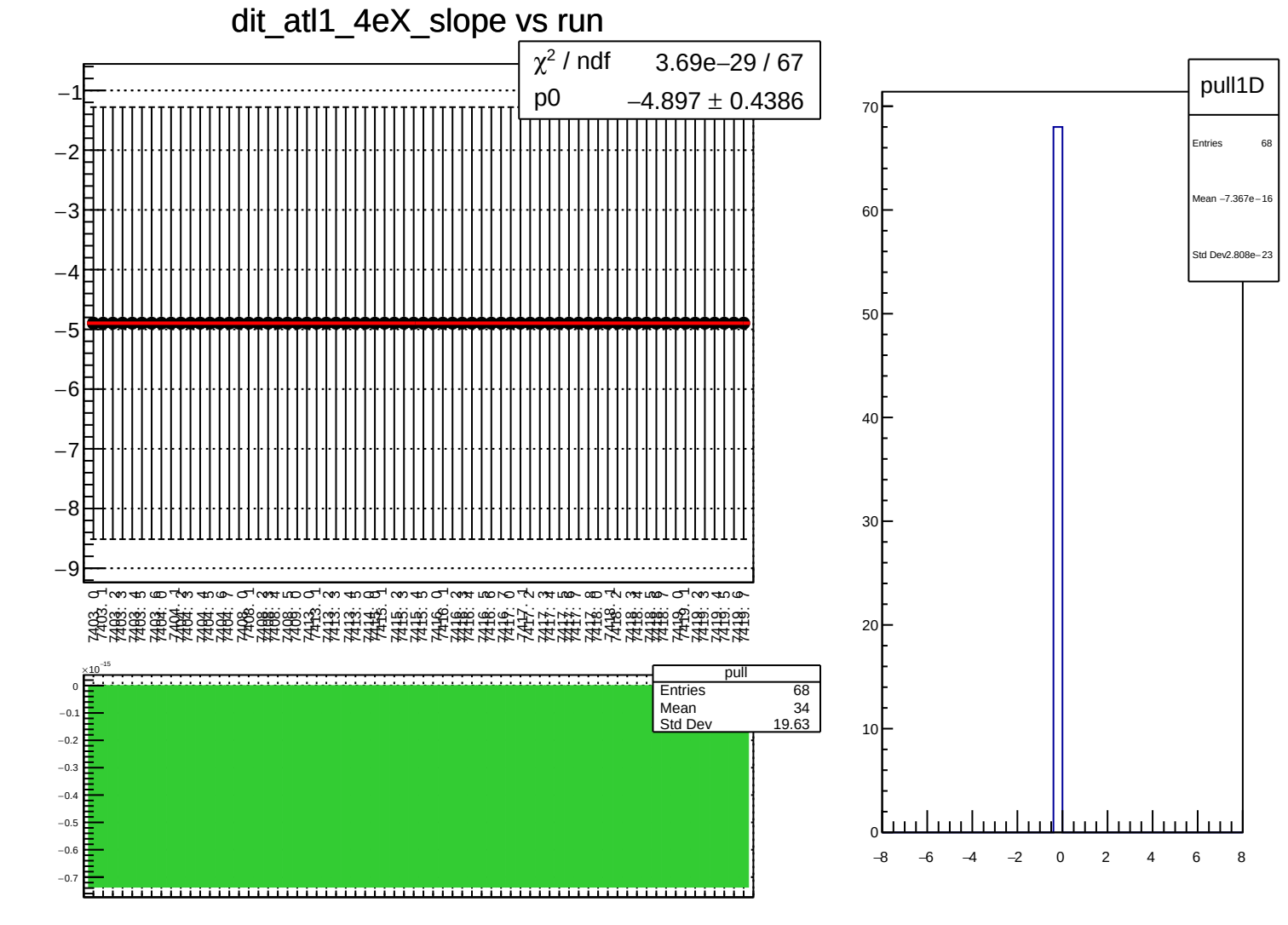

dit_usr_4aY_slope vs run
χ² / ndf 7.283e−27 / 67
p0 10.33 ± 0.04163
10.7
10.6
10.5
10.4
10.3
10.2
10.1
10
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
10
8
6
4
2
0

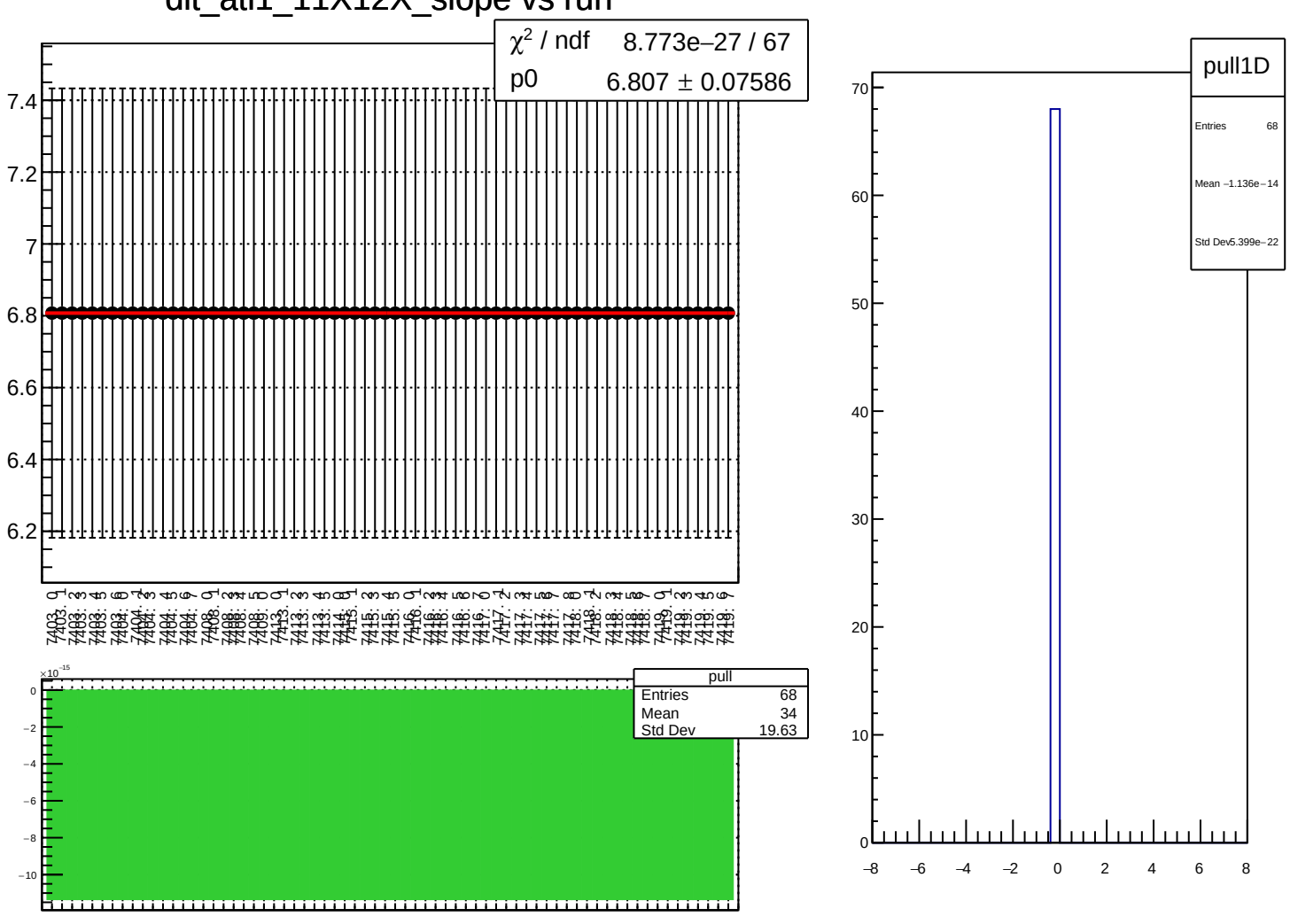

pull1D
Entries 68
Mean 1.035e−14
Std Dev 4.966e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

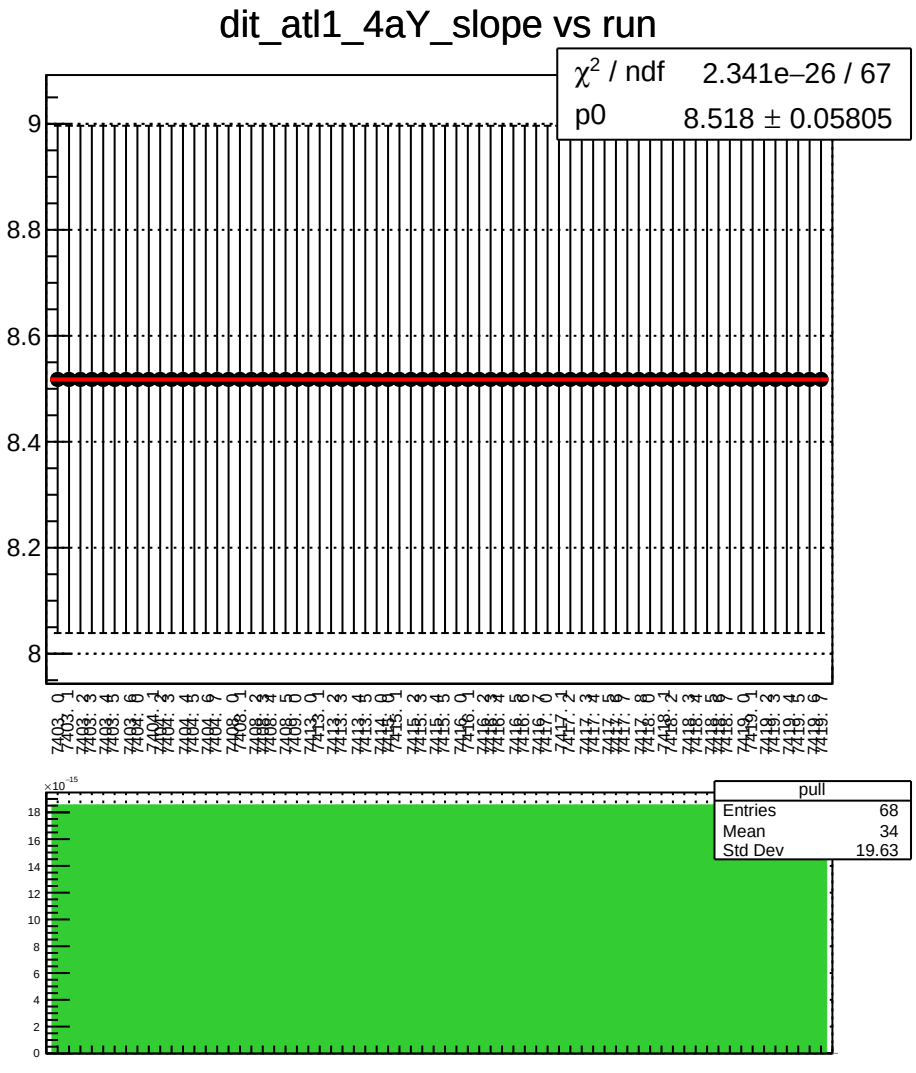

dit_usr_4eY_slope vs run
χ² / ndf 4.246e−26 / 67
p0 6.016 ± 0.04742
pull
Entries 68
Mean 34
Std Dev 19.63

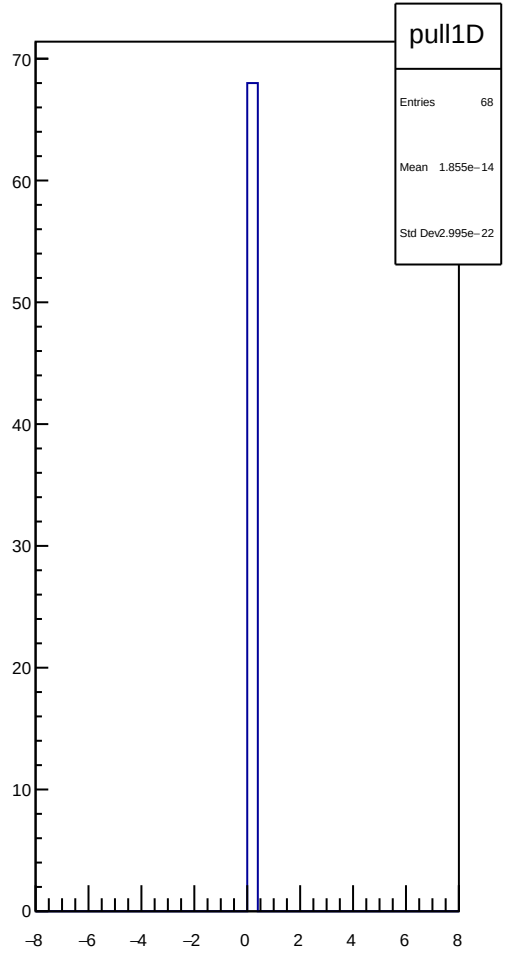

pull1D
Entries 68
Mean 2.499e−14
Std Dev1.271e−21

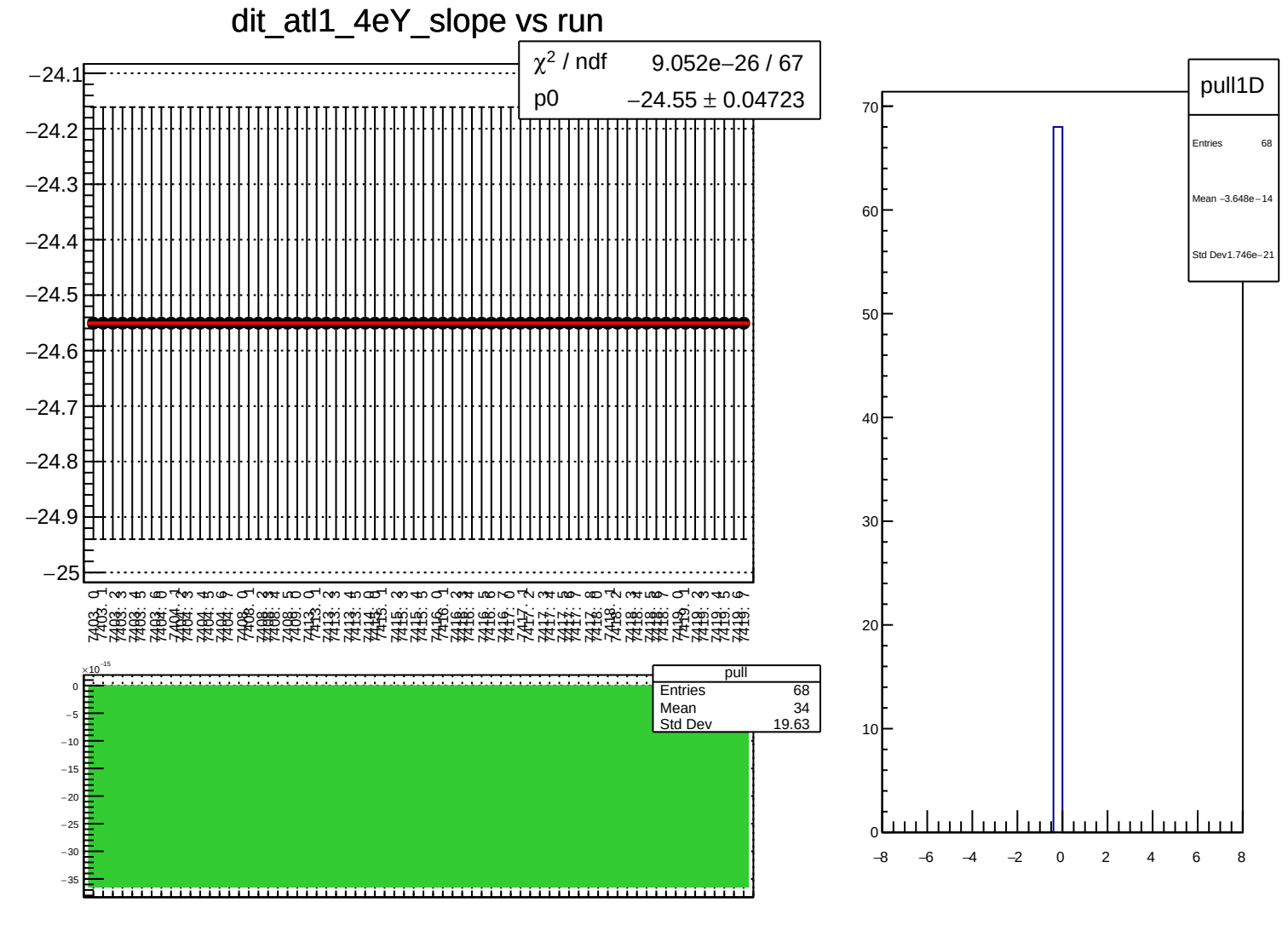

dit_atl1_4aX_slope vs run
χ^2 / ndf 2.067e−27 / 67
p0 32.75 ± 0.4689
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean −5.513e−15
Std Dev 2.995e−22

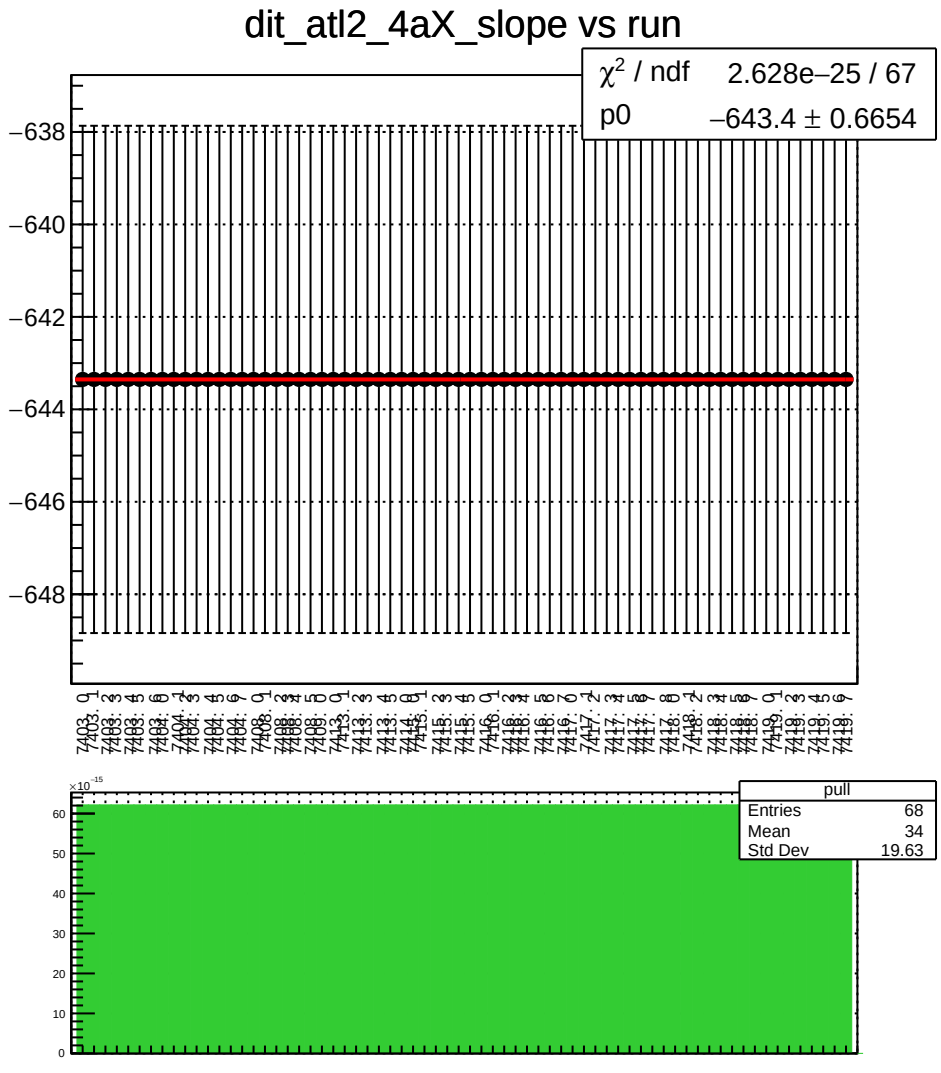

dit_atl1_4eX_slope vs run
χ² / ndf 3.69e−29 / 67
p0 −4.897 ± 0.4386
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean −7.367e−16
Std Dev 2.808e−23

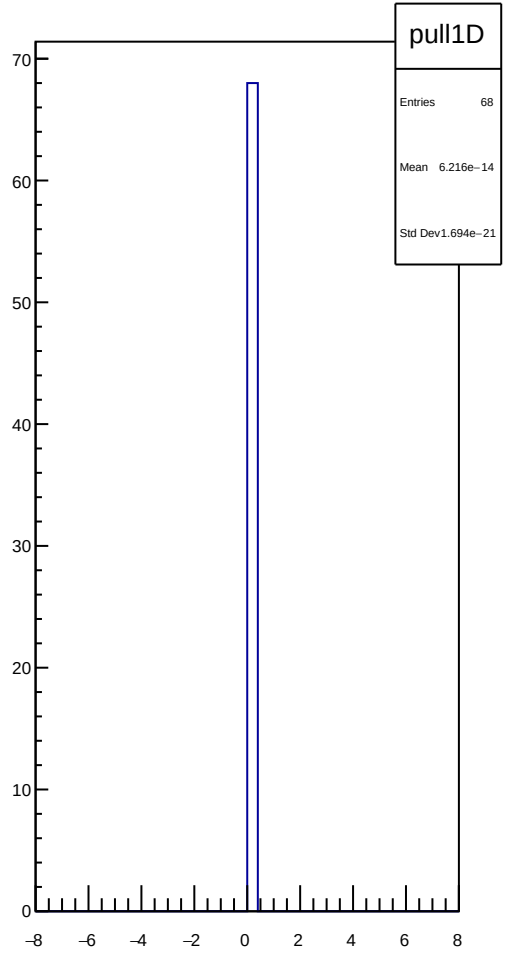

dit_atl1_11X12X_slope vs run
χ² / ndf 8.773e−27 / 67
p0 6.807 ± 0.07586
7.4
7.2
7
6.8
6.6
6.4
6.2
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 68
Mean −1.136e−14
Std Dev 5.399e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

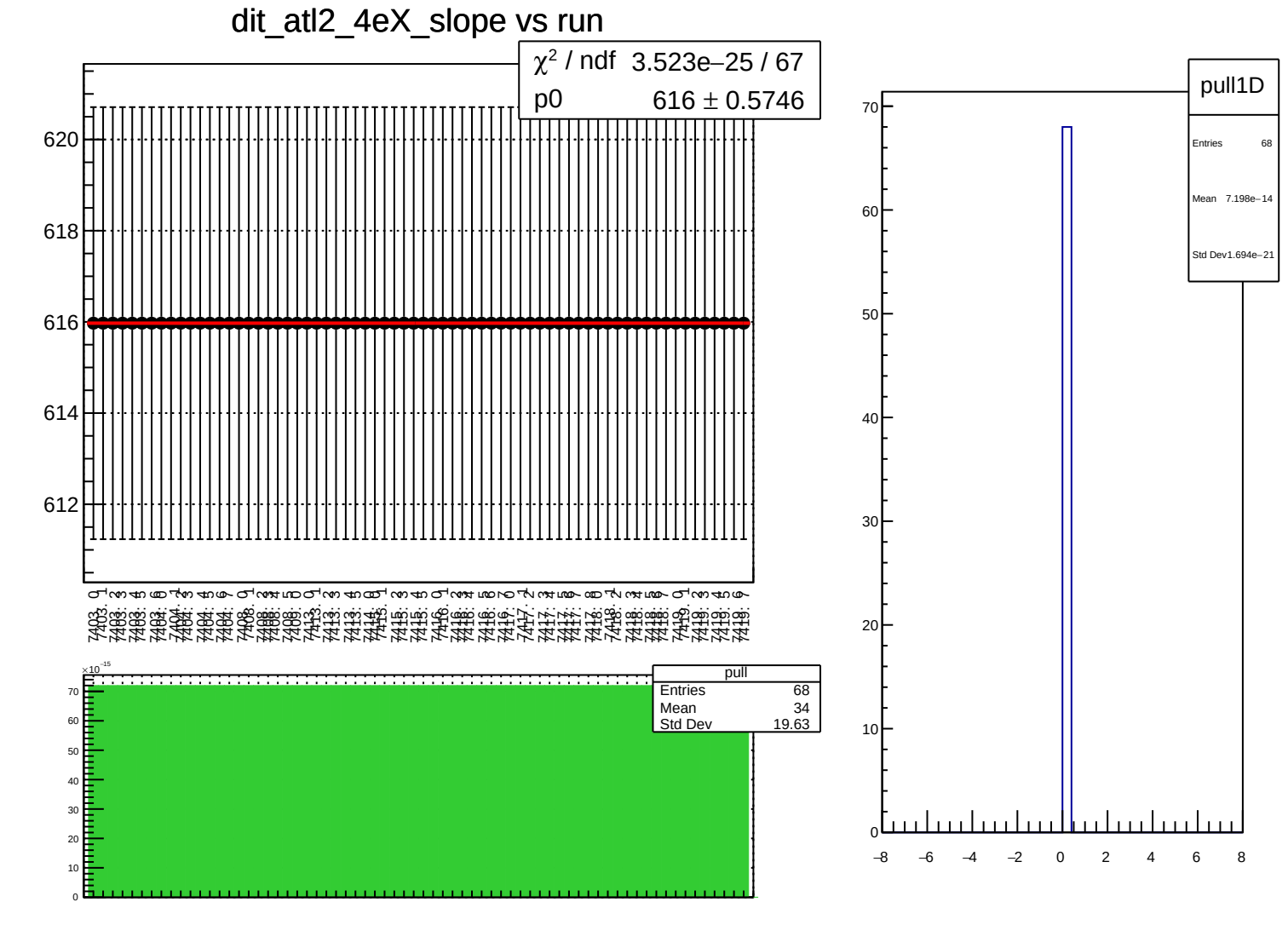

dit_atl1_4aY_slope vs run
χ² / ndf 2.341e−26 / 67
p0 8.518 ± 0.05805
9
8.8
8.6
8.4
8.2
8
×10⁻¹⁵
pull
Entries 68
Mean 34
Std Dev 19.63
18
16
14
12
10
8
6
4
2
0

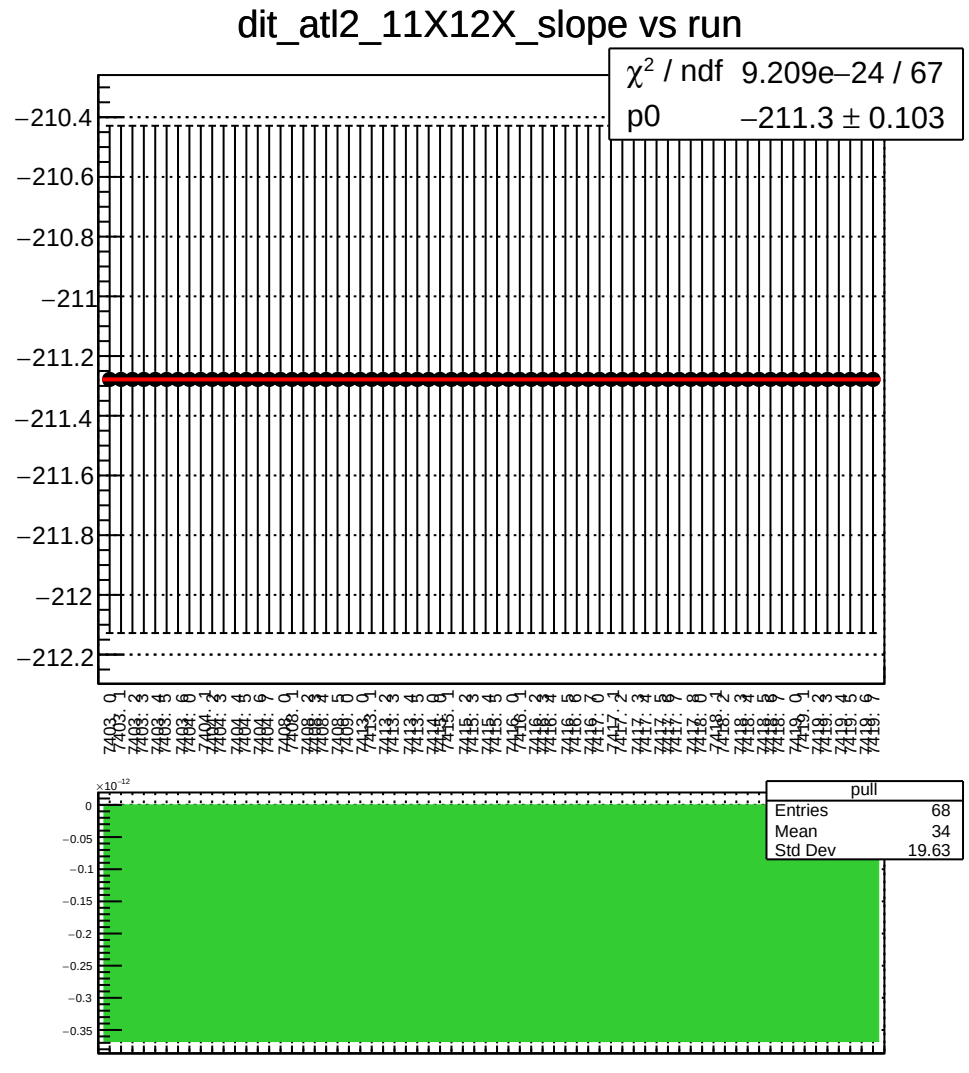

pull1D
Entries 68
Mean 1.855e−14
Std Dev 2.995e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

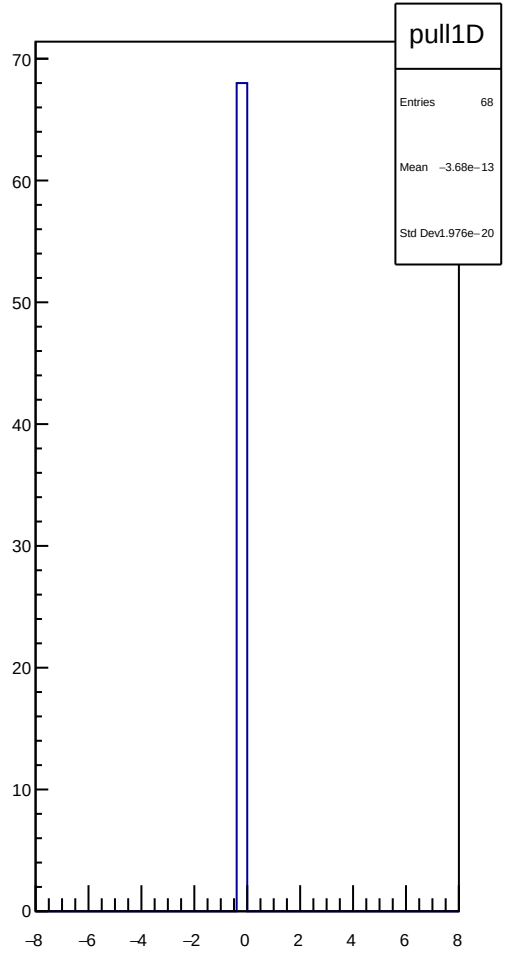

dit_atl1_4eY_slope vs run
χ² / ndf 9.052e−26 / 67
p0 −24.55 ± 0.04723
−24.1
−24.2
−24.3
−24.4
−24.5
−24.6
−24.7
−24.8
−24.9
−25
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 68
Mean −3.648e−14
Std Dev1.746e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

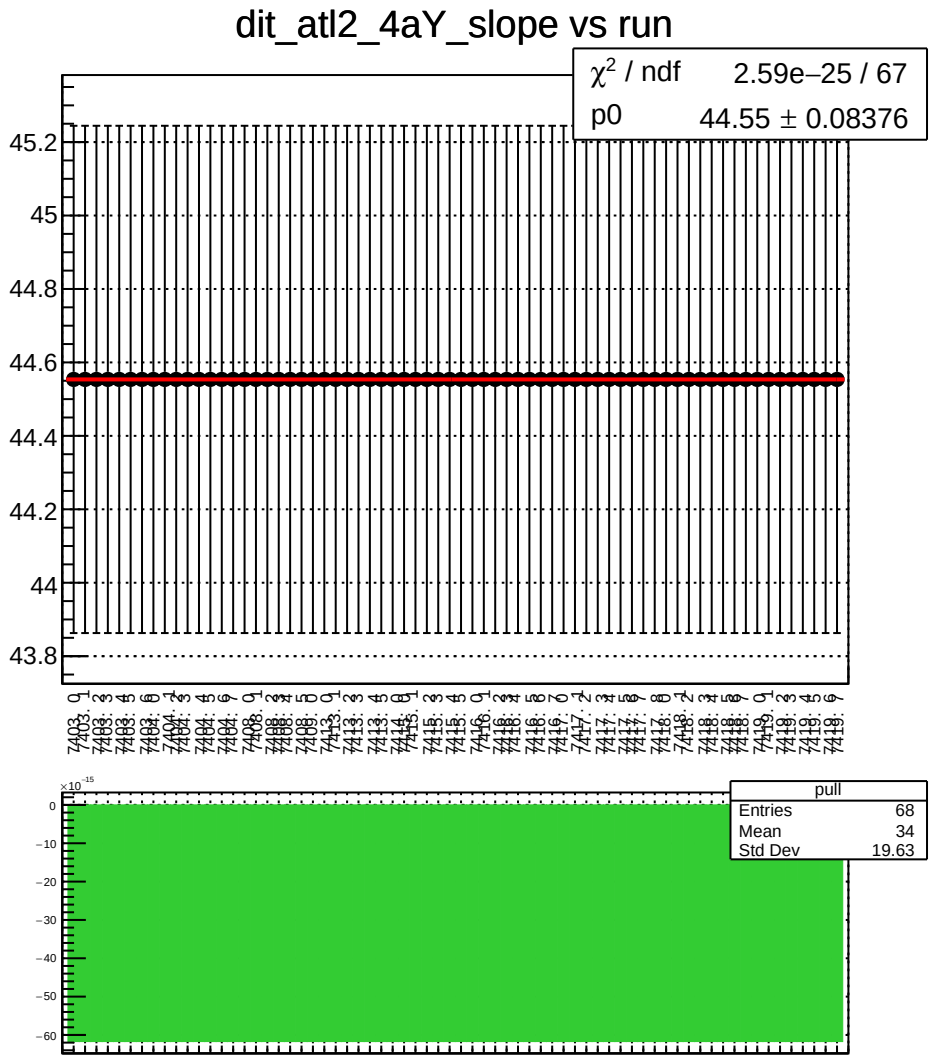

dit_atl2_4aX_slope vs run
χ² / ndf 2.628e−25 / 67
p0 −643.4 ± 0.6654
−638
−640
−642
−644
−646
−648
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
60
50
40
30
20
10
0

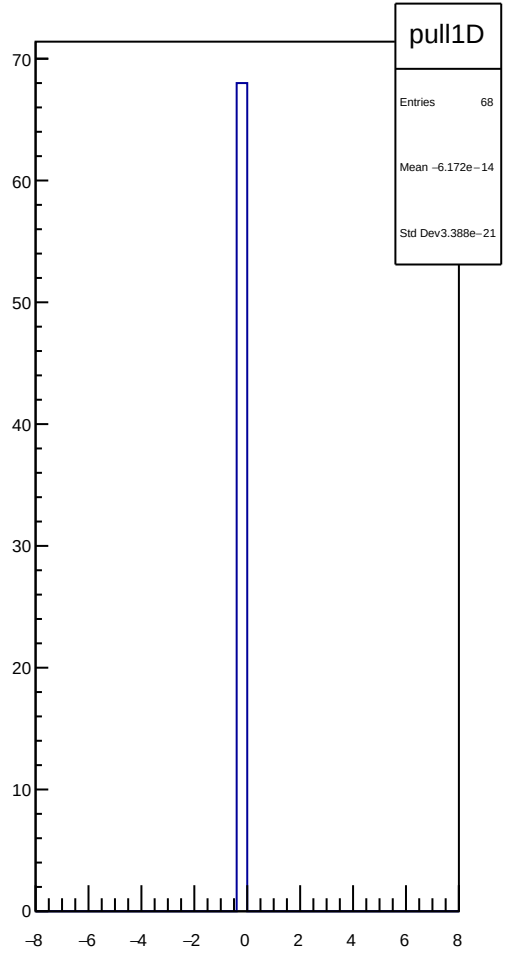

pull1D
Entries 68
Mean 6.216e−14
Std Dev1.694e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

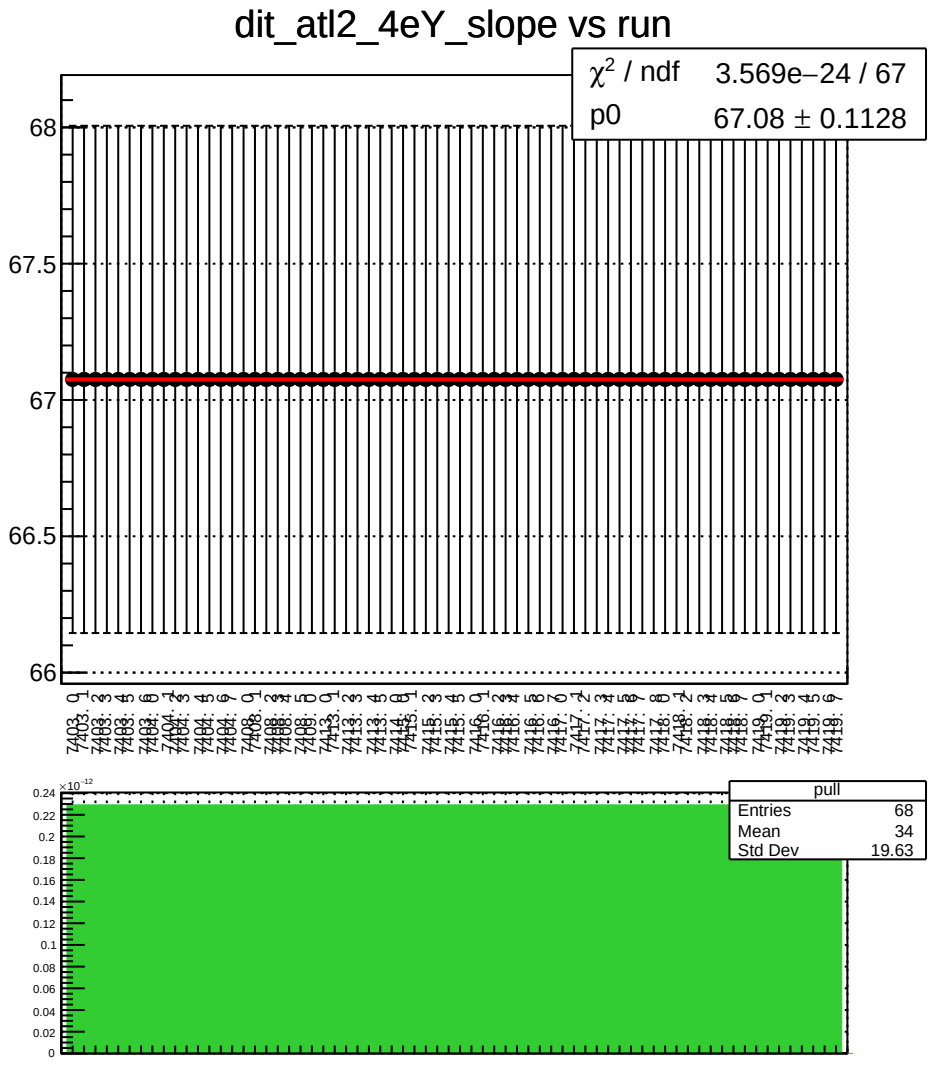

dit_atl2_4eX_slope vs run
χ² / ndf 3.523e−25 / 67
p0 616 ± 0.5746
620
618
616
614
612
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 7.198e−14
Std Dev1.694e−21

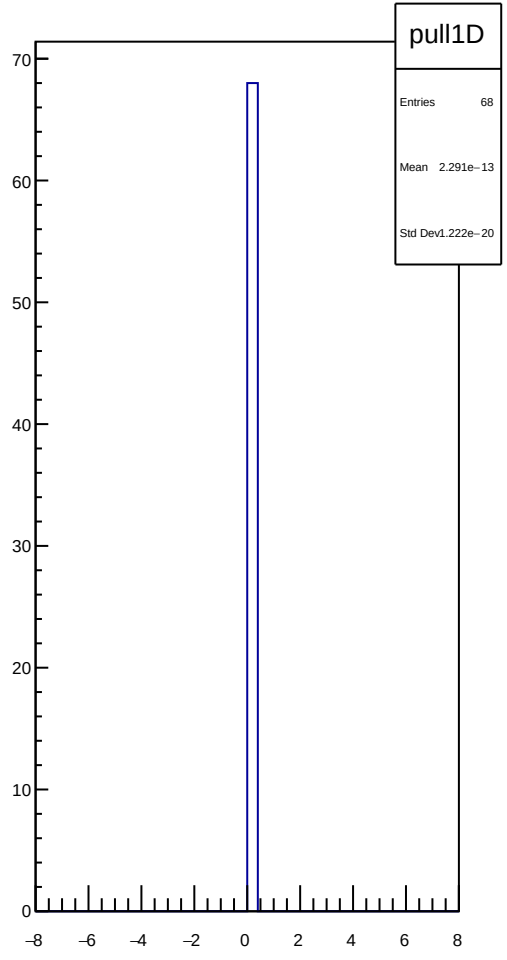

dit_atl2_11X12X_slope vs run
χ² / ndf 9.209e−24 / 67
p0 −211.3 ± 0.103
−210.4
−210.6
−210.8
−211
−211.2
−211.4
−211.6
−211.8
−212
−212.2
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

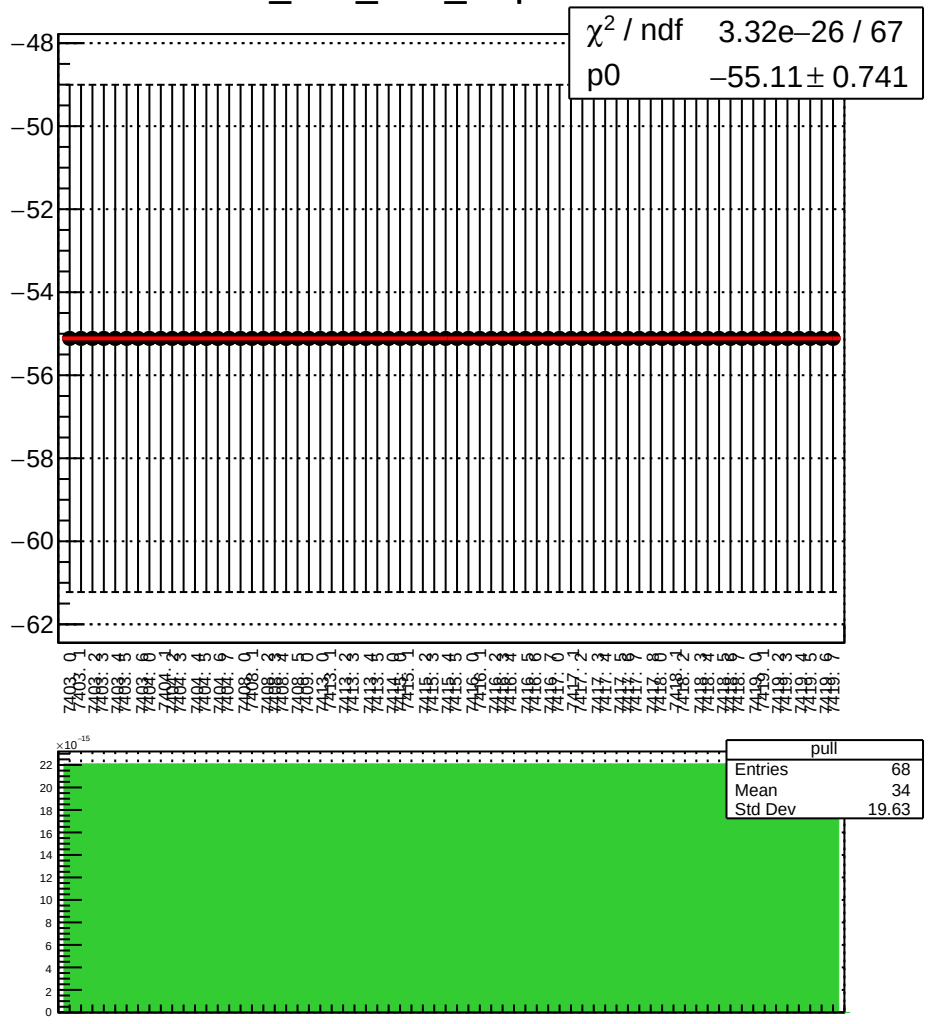

pull1D
Entries 68
Mean −3.68e−13
Std Dev 1.976e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

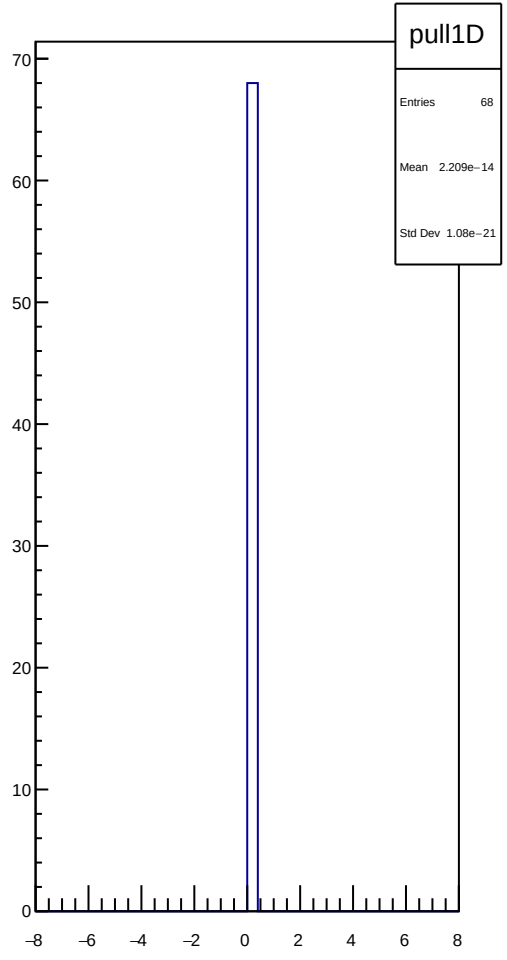

dit_atl2_4aY_slope vs run
χ² / ndf 2.59e−25 / 67
p0 44.55 ± 0.08376
45.2
45
44.8
44.6
44.4
44.2
44
43.8
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

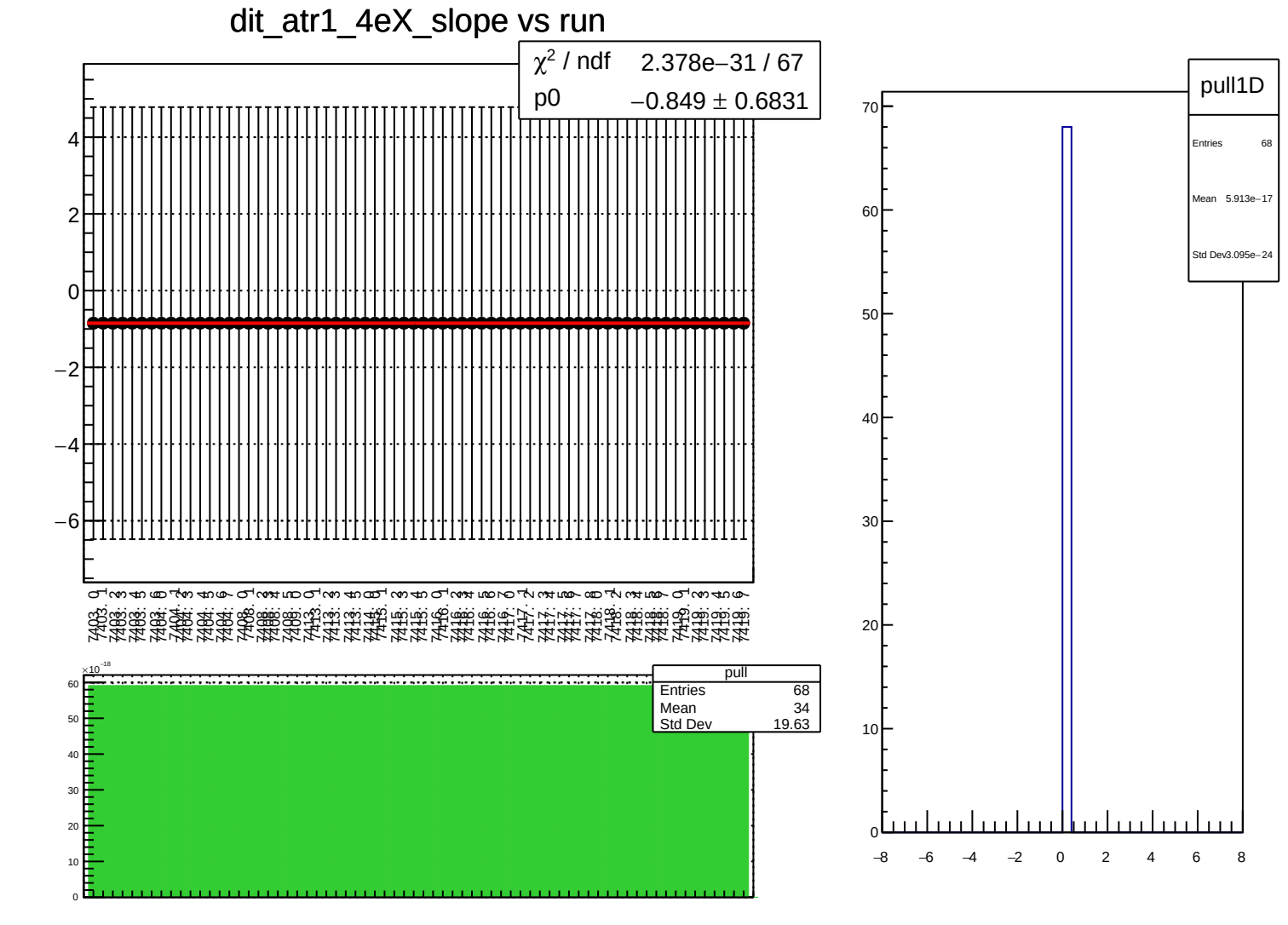

pull1D
Entries 68
Mean −6.172e−14
Std Dev3.388e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

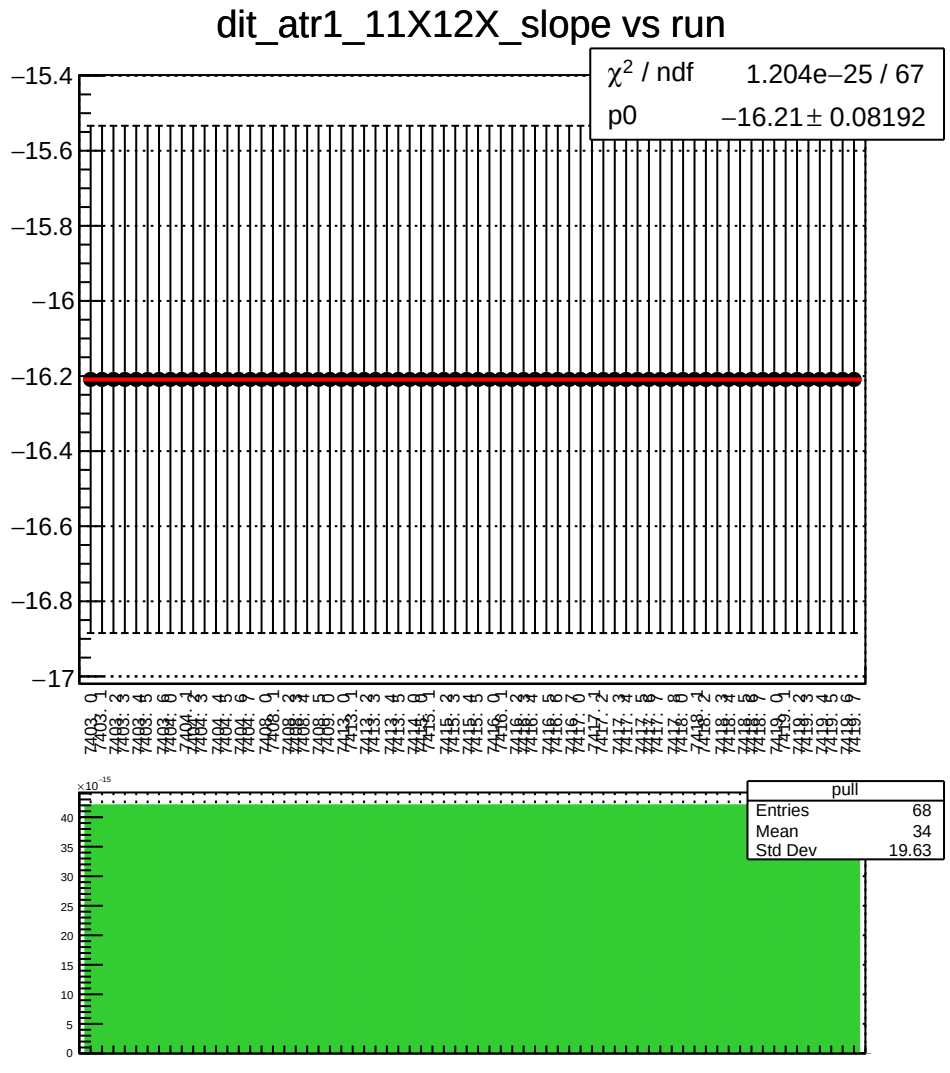

dit_atl2_4eY_slope vs run
χ² / ndf 3.569e−24 / 67
p0 67.08 ± 0.1128
68
67.5
67
66.5
66
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

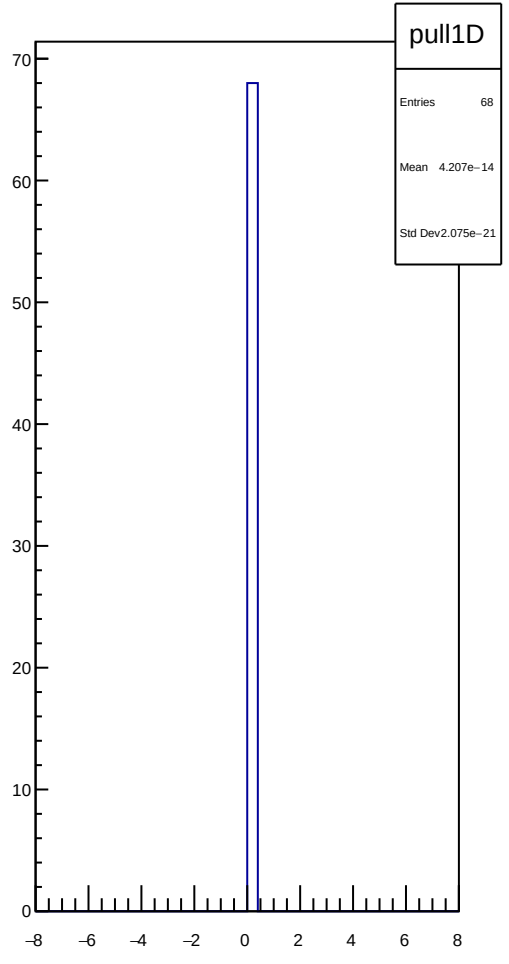

pull1D
Entries 68
Mean 2.291e−13
Std Dev1.222e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

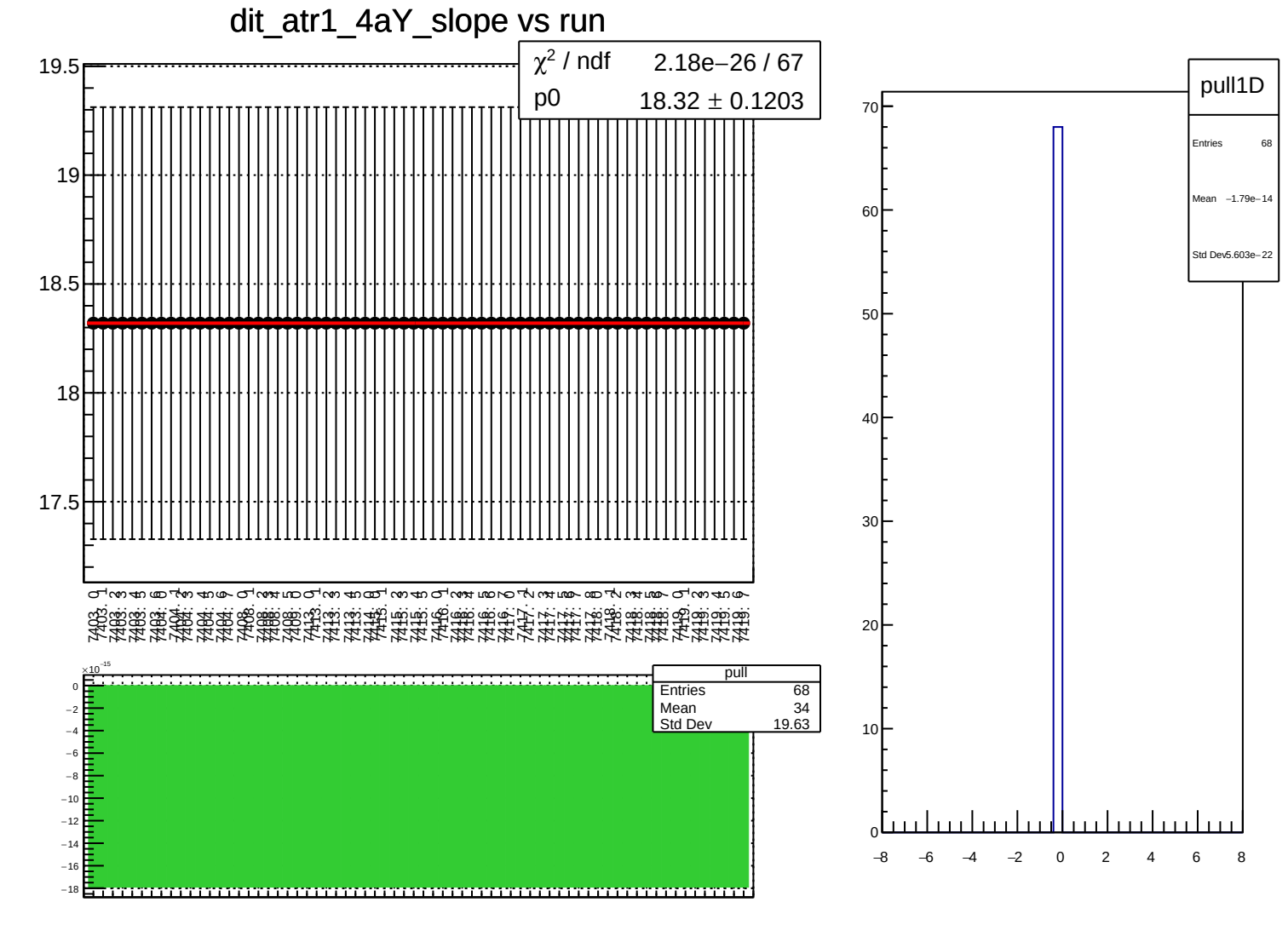

dit_atr1_4aX_slope vs run
χ^2 / ndf 3.32e−26 / 67
p0 −55.11 ± 0.741
pull
Entries 68
Mean 34
Std Dev 19.63

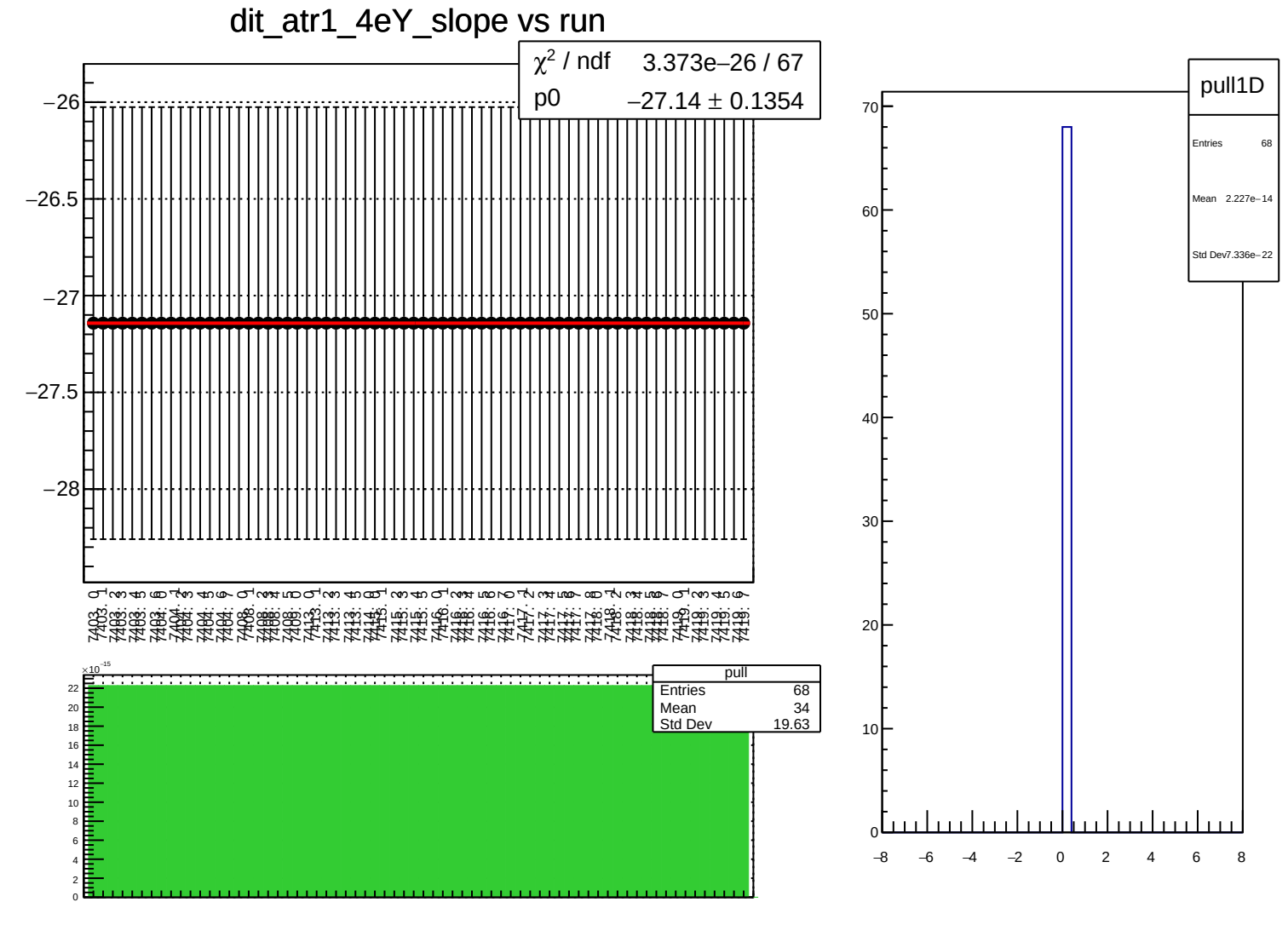

pull1D
Entries 68
Mean 2.209e−14
Std Dev 1.08e−21

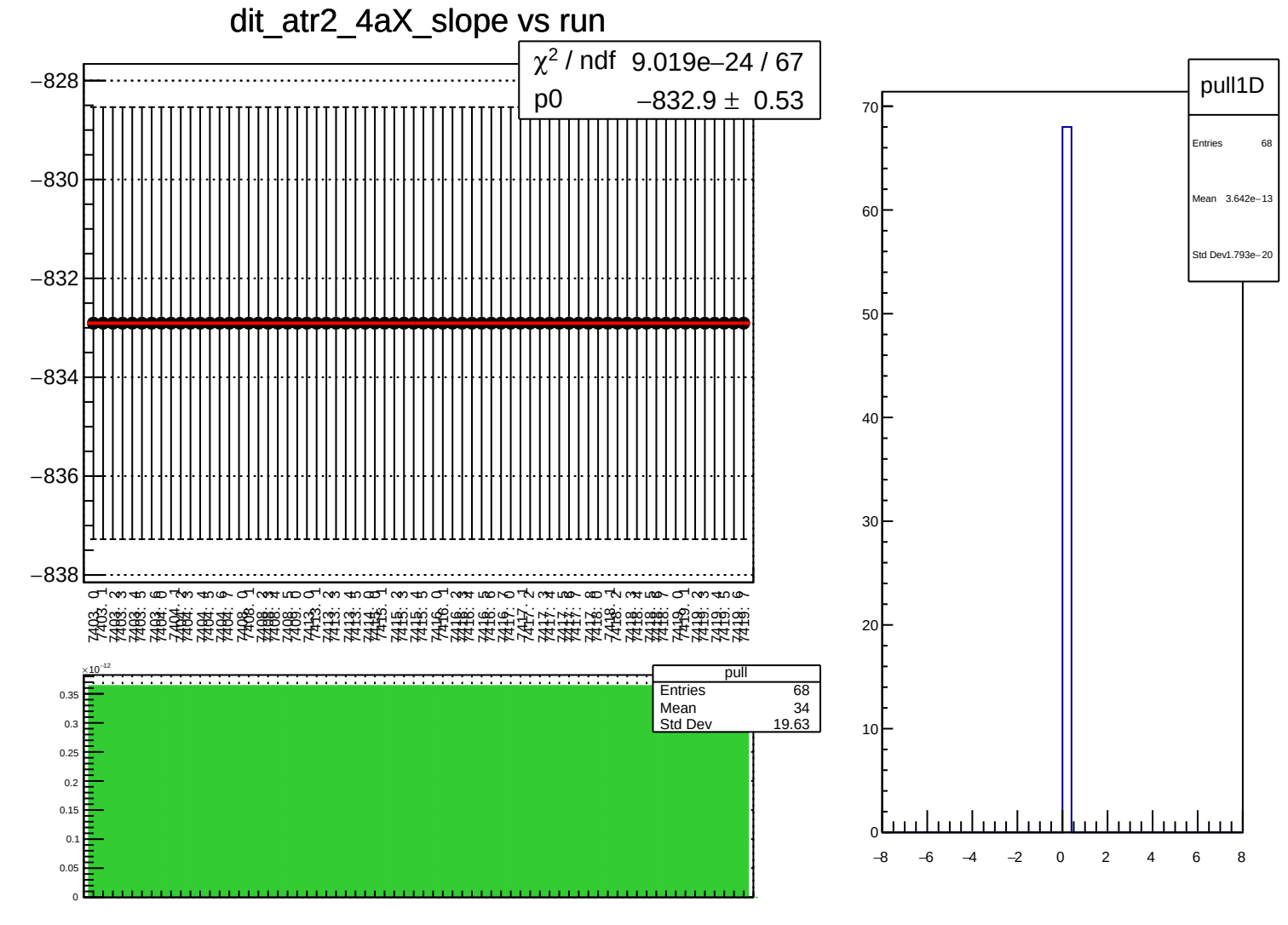

dit_atr1_4eX_slope vs run
χ² / ndf 2.378e−31 / 67
p0 −0.849 ± 0.6831
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 5.913e−17
Std Dev 3.095e−24

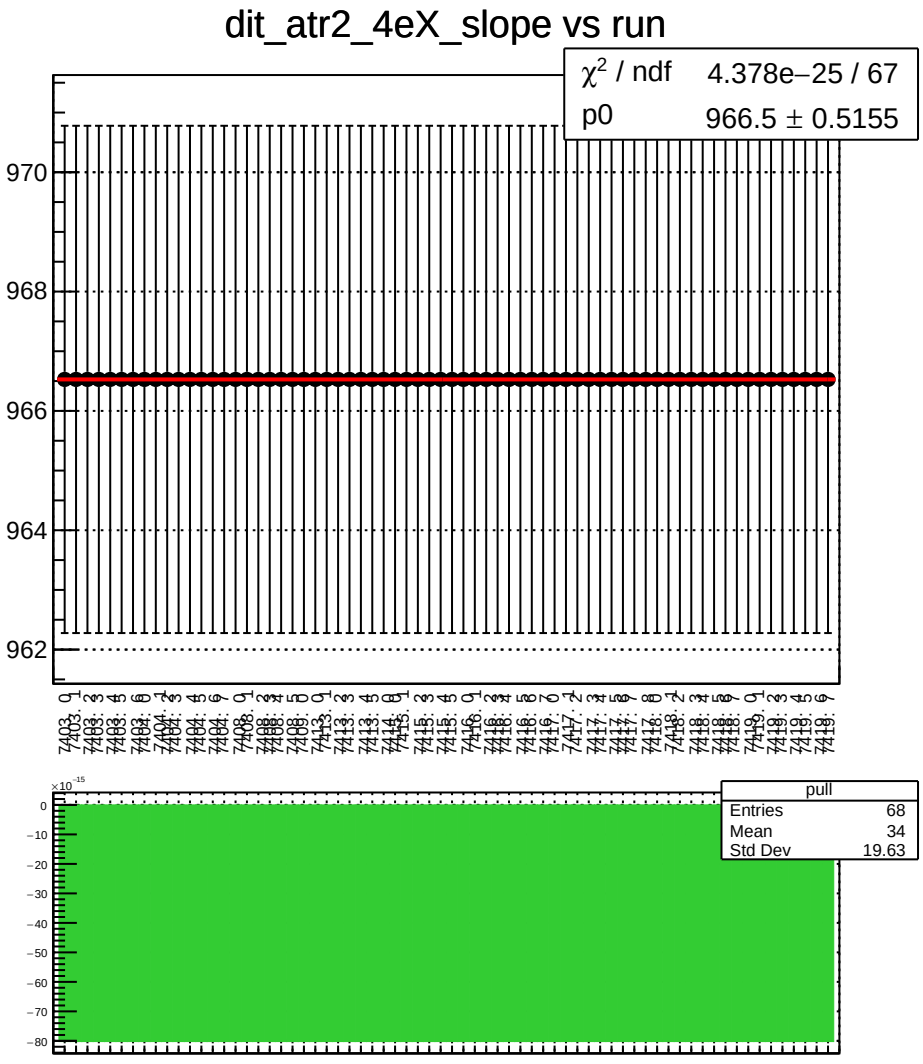

dit_atr1_11X12X_slope vs run
χ² / ndf 1.204e−25 / 67
p0 −16.21 ± 0.08192
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

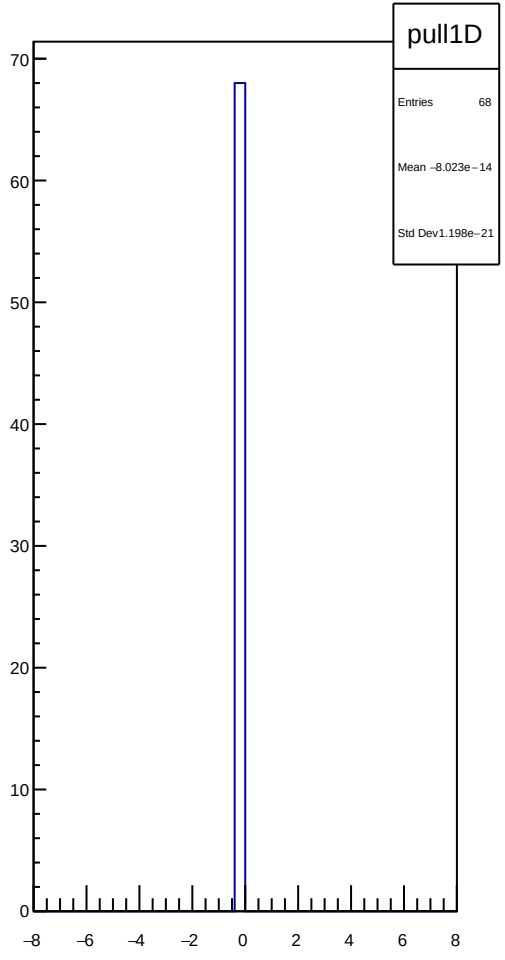

pull1D
Entries 68
Mean 4.207e−14
Std Dev2.075e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

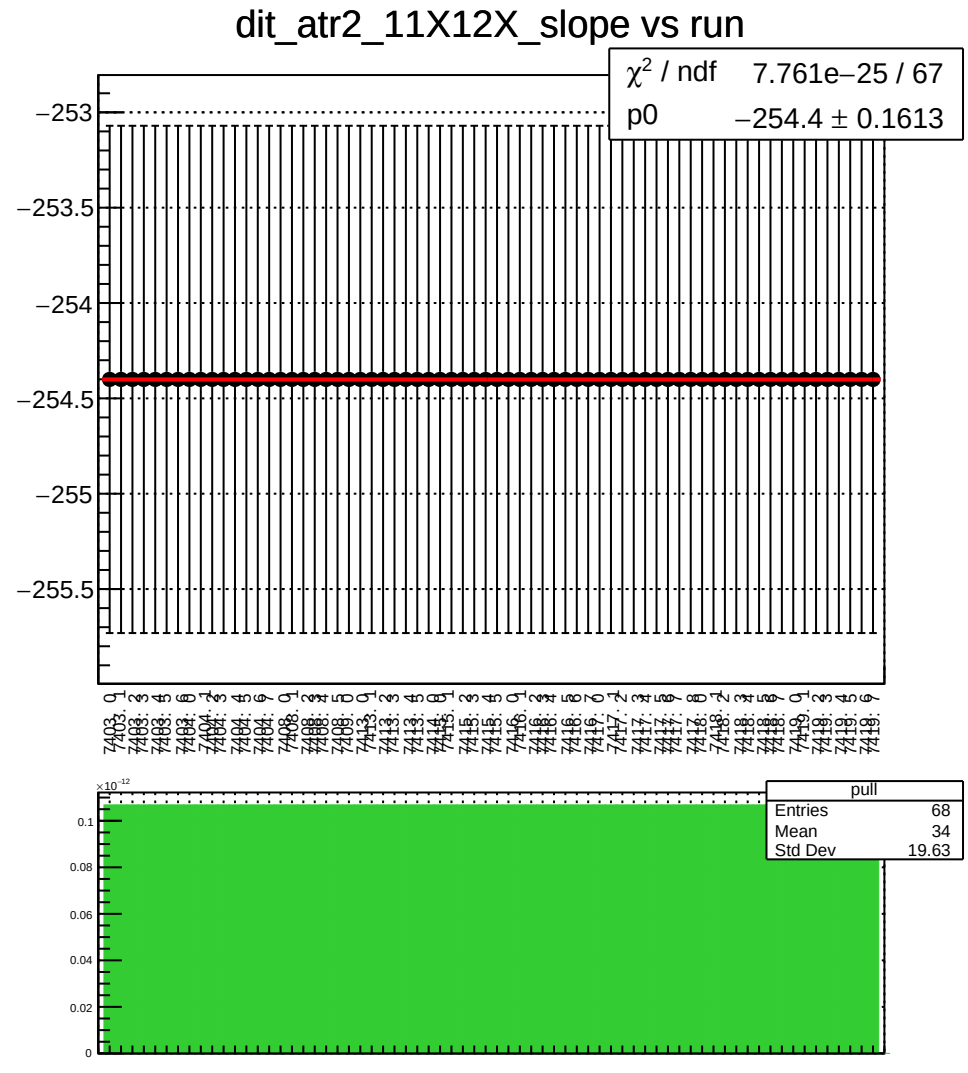

dit_atr1_4aY_slope vs run
χ^2 / ndf 2.18e−26 / 67
p0 18.32 ± 0.1203
19.5
19
18.5
18
17.5
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean −1.79e−14
Std Dev5.603e−22

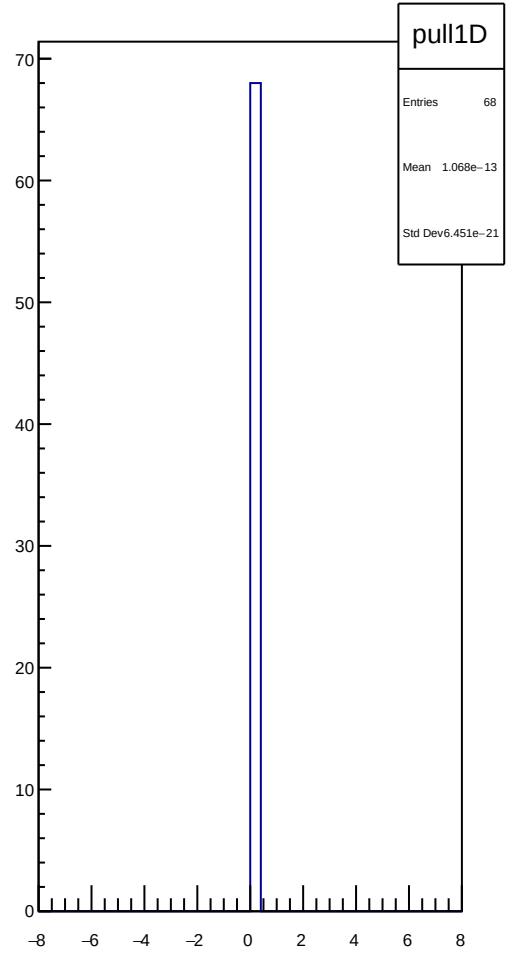

dit_atr1_4eY_slope vs run
χ² / ndf 3.373e−26 / 67
p0 −27.14 ± 0.1354
−26
−26.5
−27
−27.5
−28
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
pull1D
Entries 68
Mean 2.227e−14
Std Dev7.336e−22

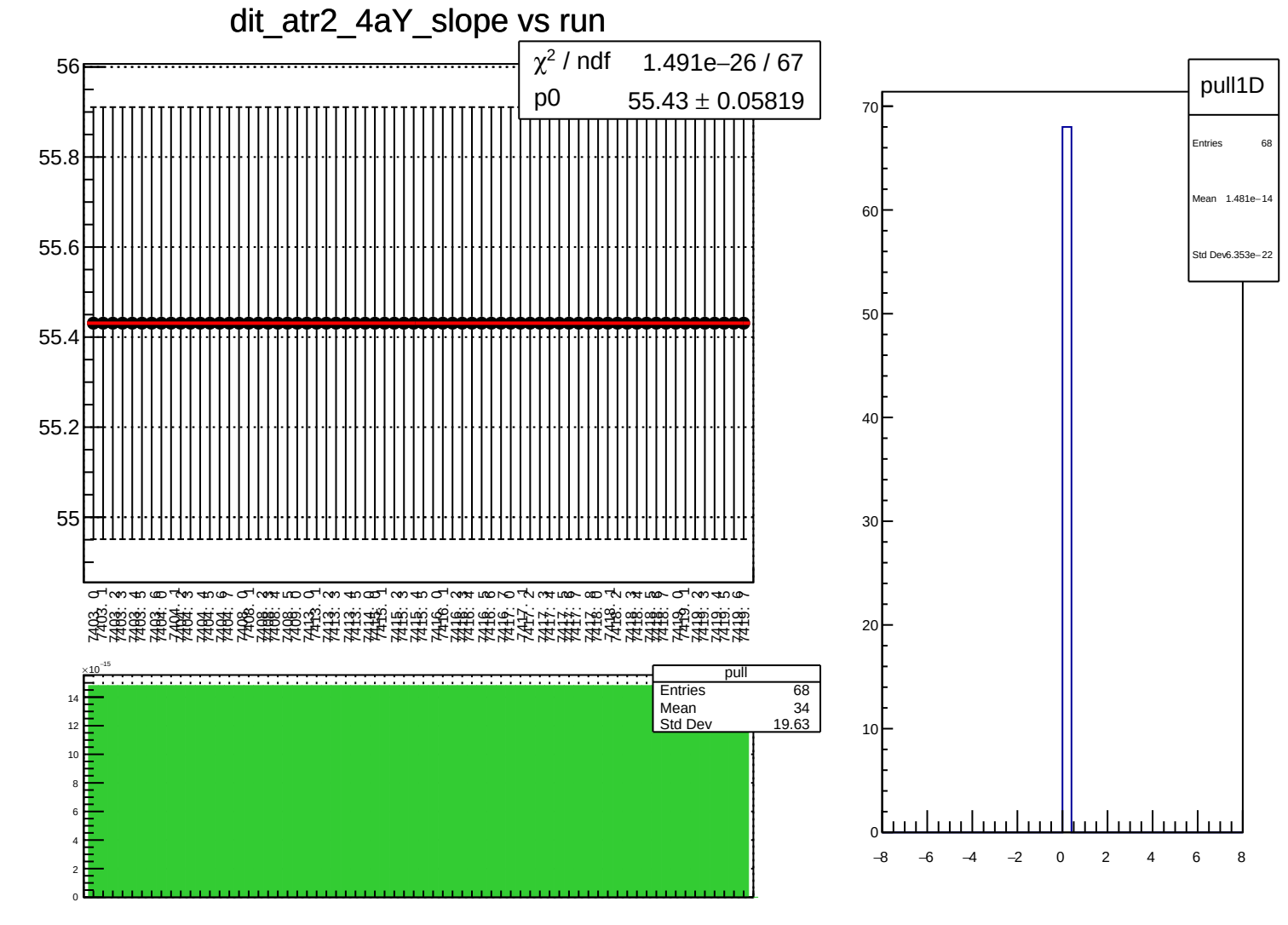

dit_atr2_4aX_slope vs run
χ^2 / ndf 9.019e−24 / 67
p0 −832.9 ± 0.53
−828
−830
−832
−834
−836
−838
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 68
Mean 3.642e−13
Std Dev1.793e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

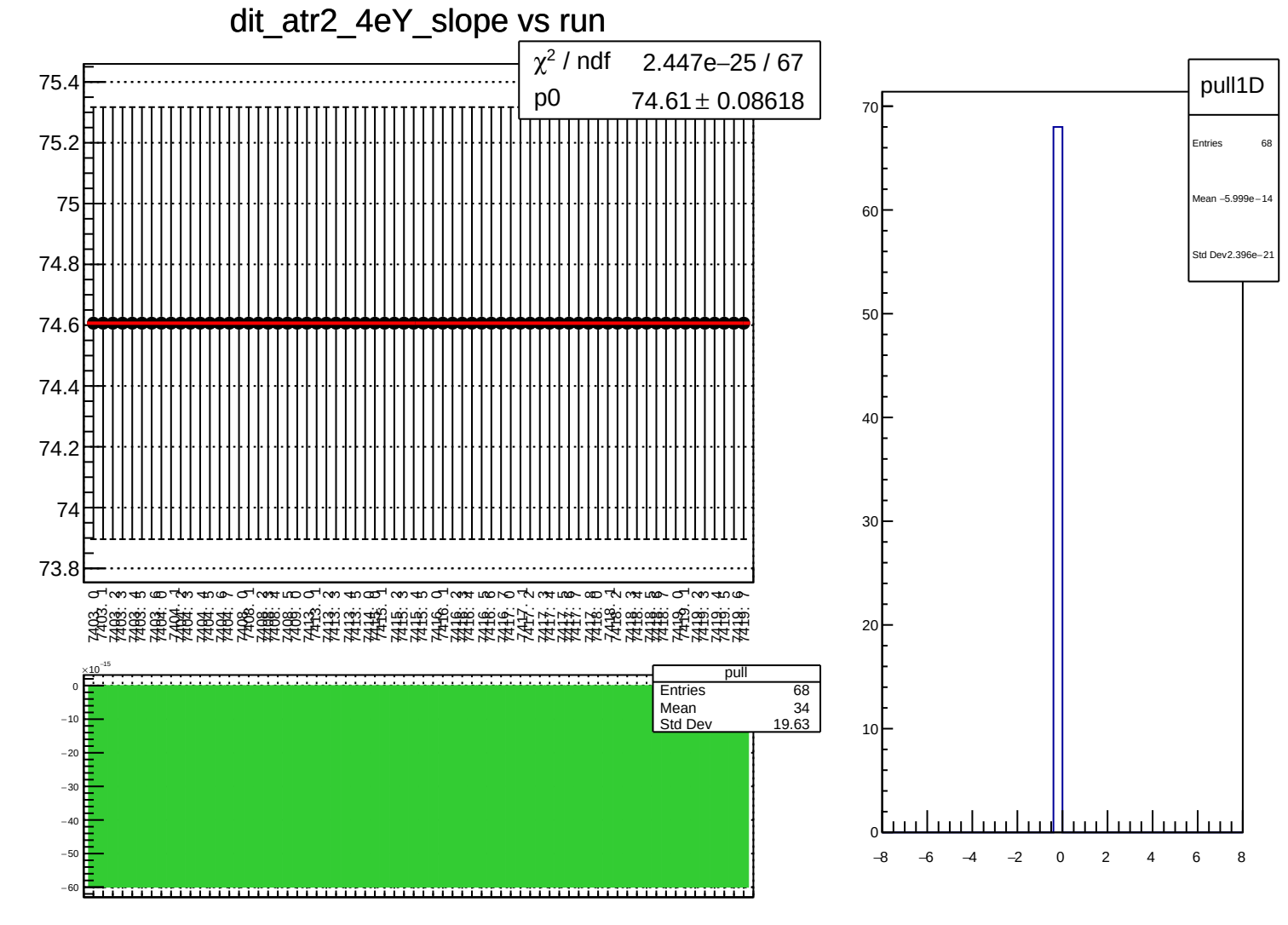

dit_atr2_4eX_slope vs run
χ^2 / ndf 4.378e−25 / 67
p0 966.5 ± 0.5155
970
968
966
964
962
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

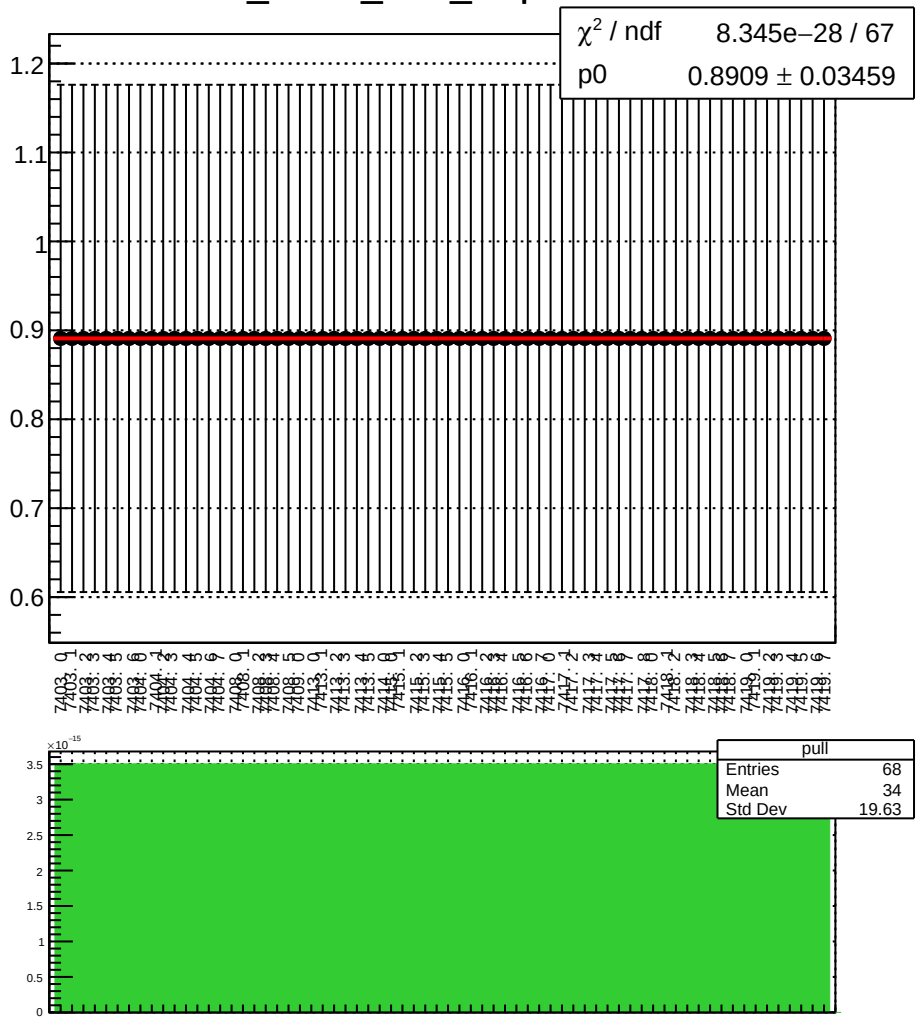

pull1D
Entries 68
Mean −8.023e−14
Std Dev1.198e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

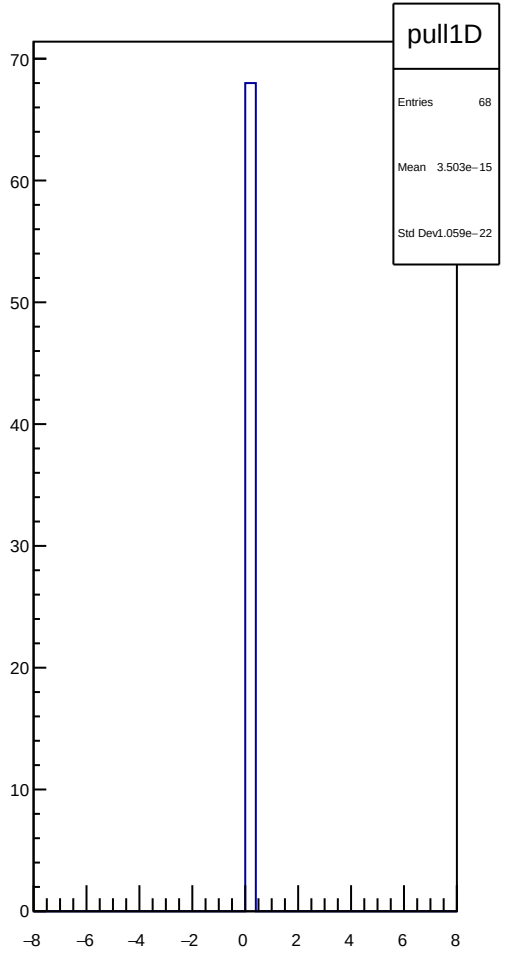

dit_atr2_11X12X_slope vs run
χ² / ndf 7.761e−25 / 67
p0 −254.4 ± 0.1613
−253
−253.5
−254
−254.5
−255
−255.5
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

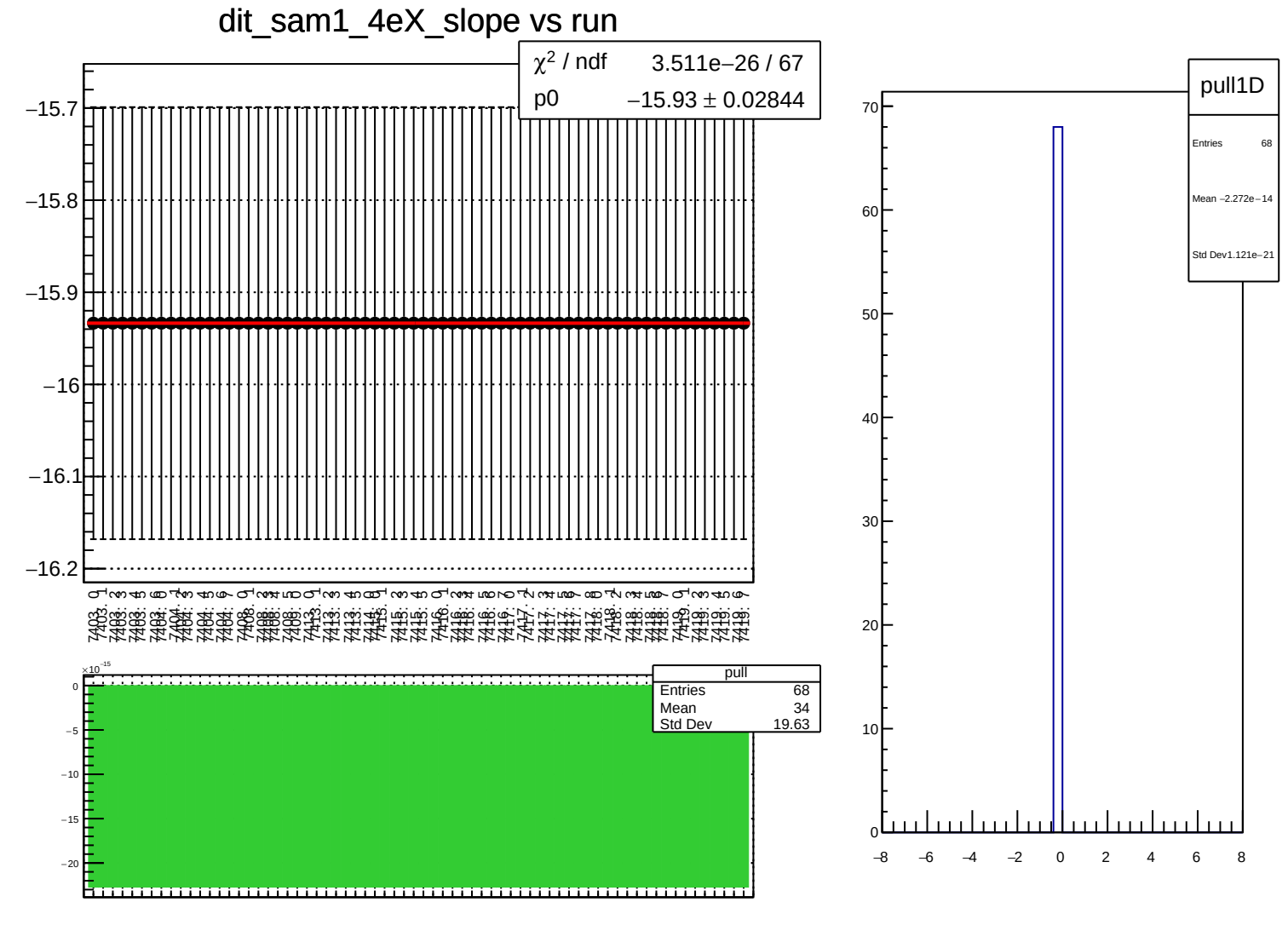

pull1D
Entries 68
Mean 1.068e−13
Std Dev6.451e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

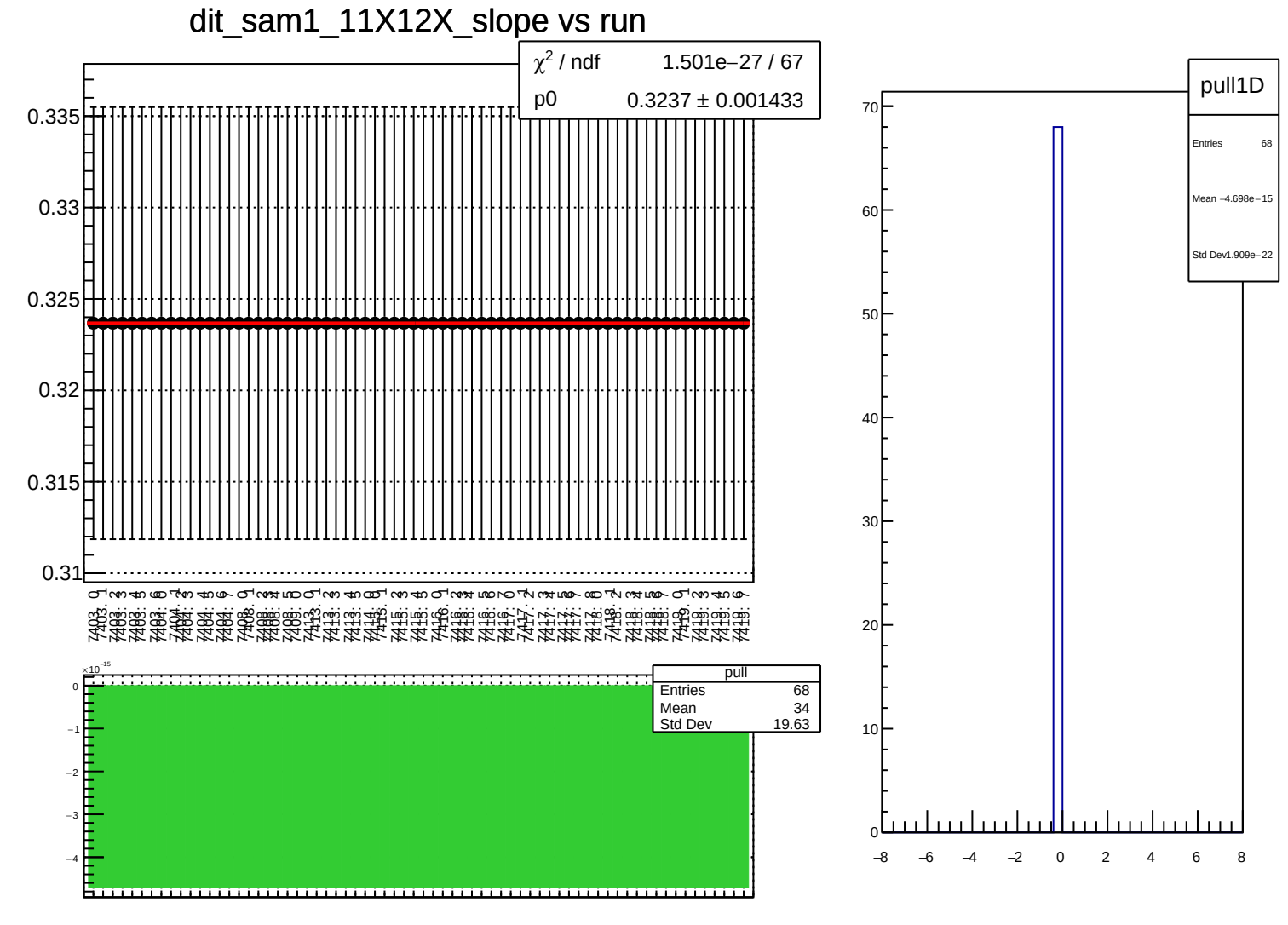

dit_atr2_4aY_slope vs run
χ² / ndf 1.491e−26 / 67
p0 55.43 ± 0.05819
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 1.481e−14
Std Dev 6.353e−22

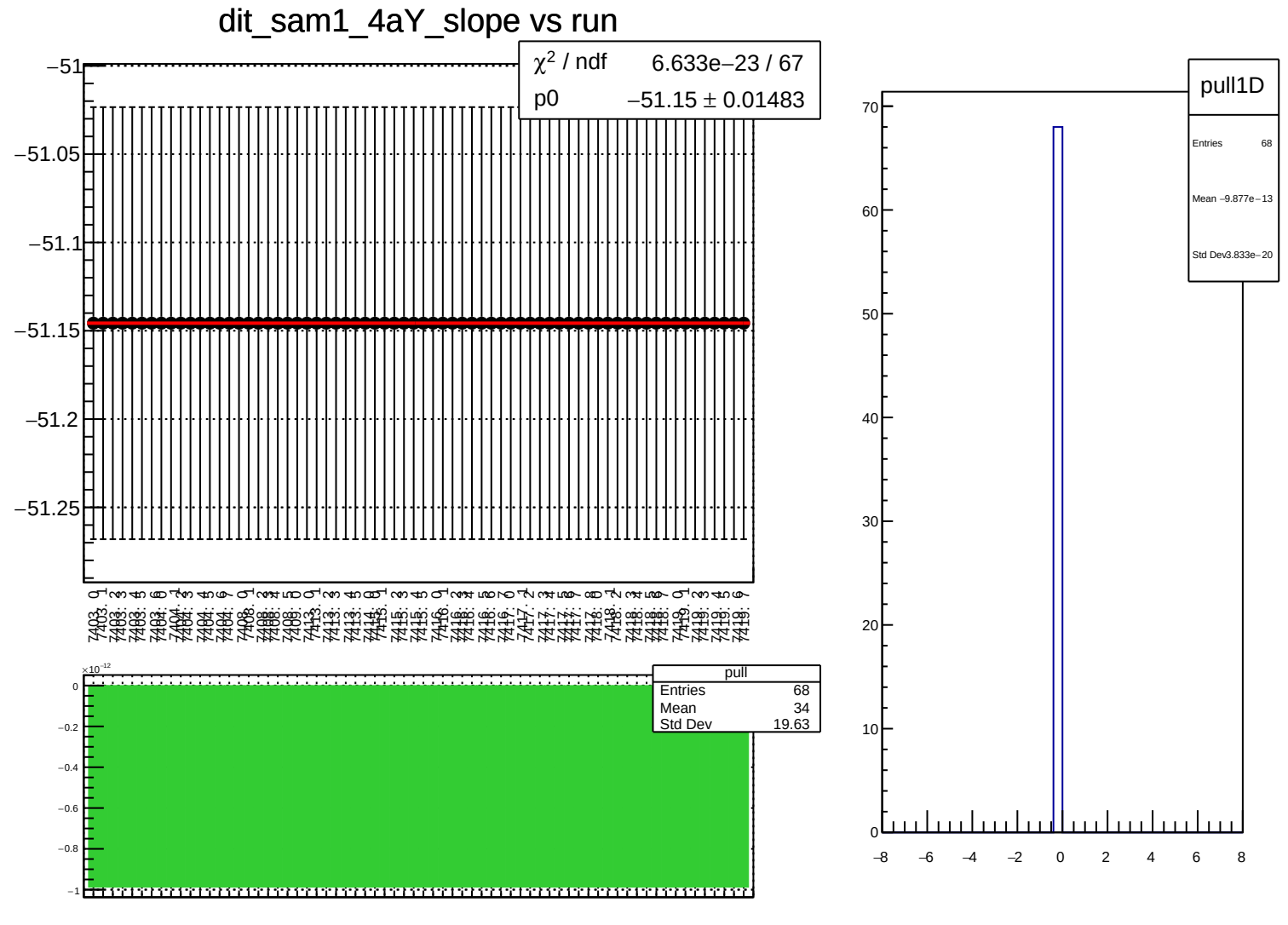

dit_atr2_4eY_slope vs run
χ² / ndf 2.447e−25 / 67
p0 74.61 ± 0.08618
75.4
75.2
75
74.8
74.6
74.4
74.2
74
73.8
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 68
Mean −5.999e−14
Std Dev2.396e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

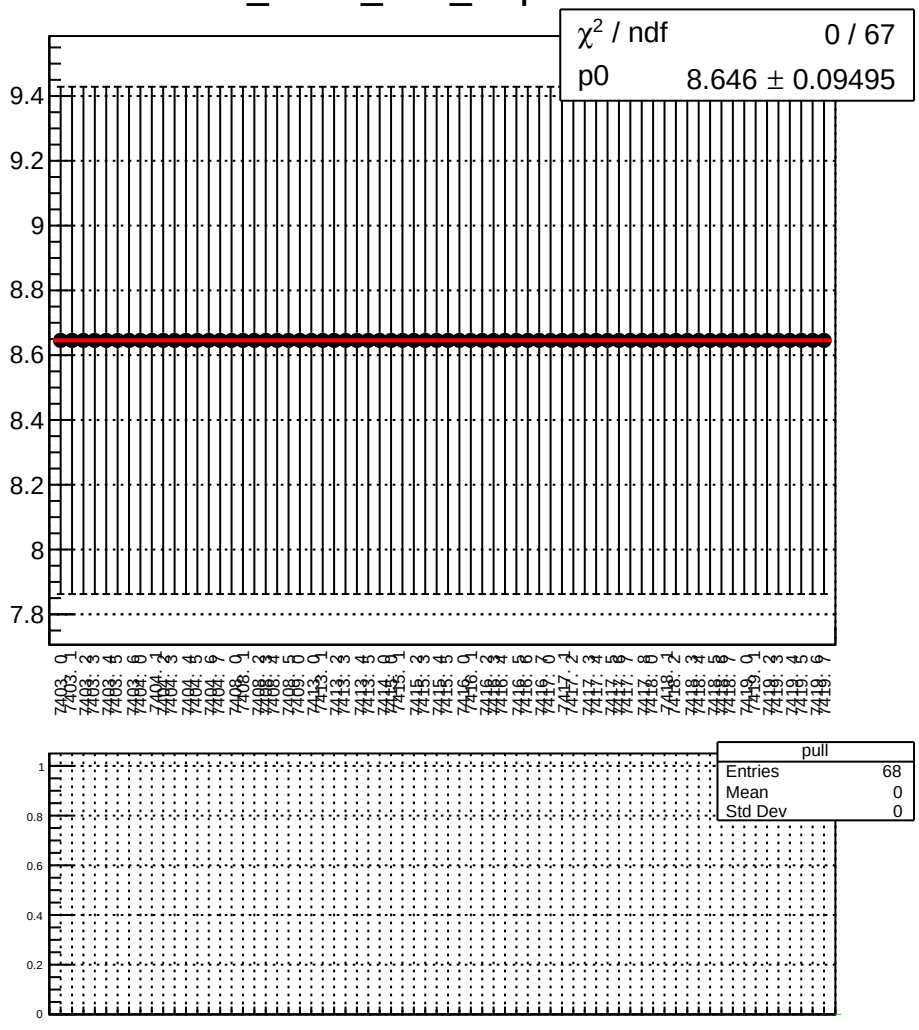

dit_sam1_4aX_slope vs run
χ^2 / ndf 8.345e−28 / 67
p0 0.8909 ± 0.03459
1.2
1.1
1
0.9
0.8
0.7
0.6
×10^-15
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 68
Mean 34
Std Dev 19.63

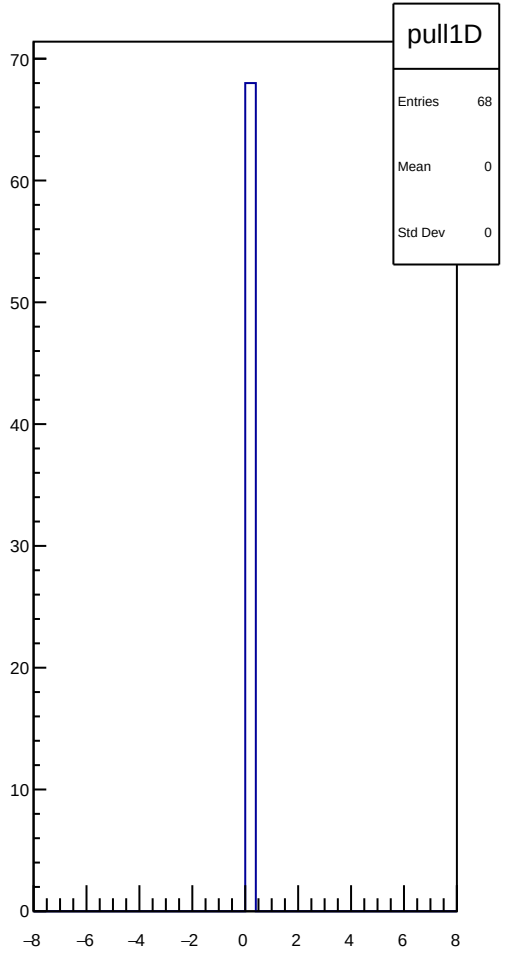

pull1D
Entries 68
Mean 3.503e−15
Std Dev1.059e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

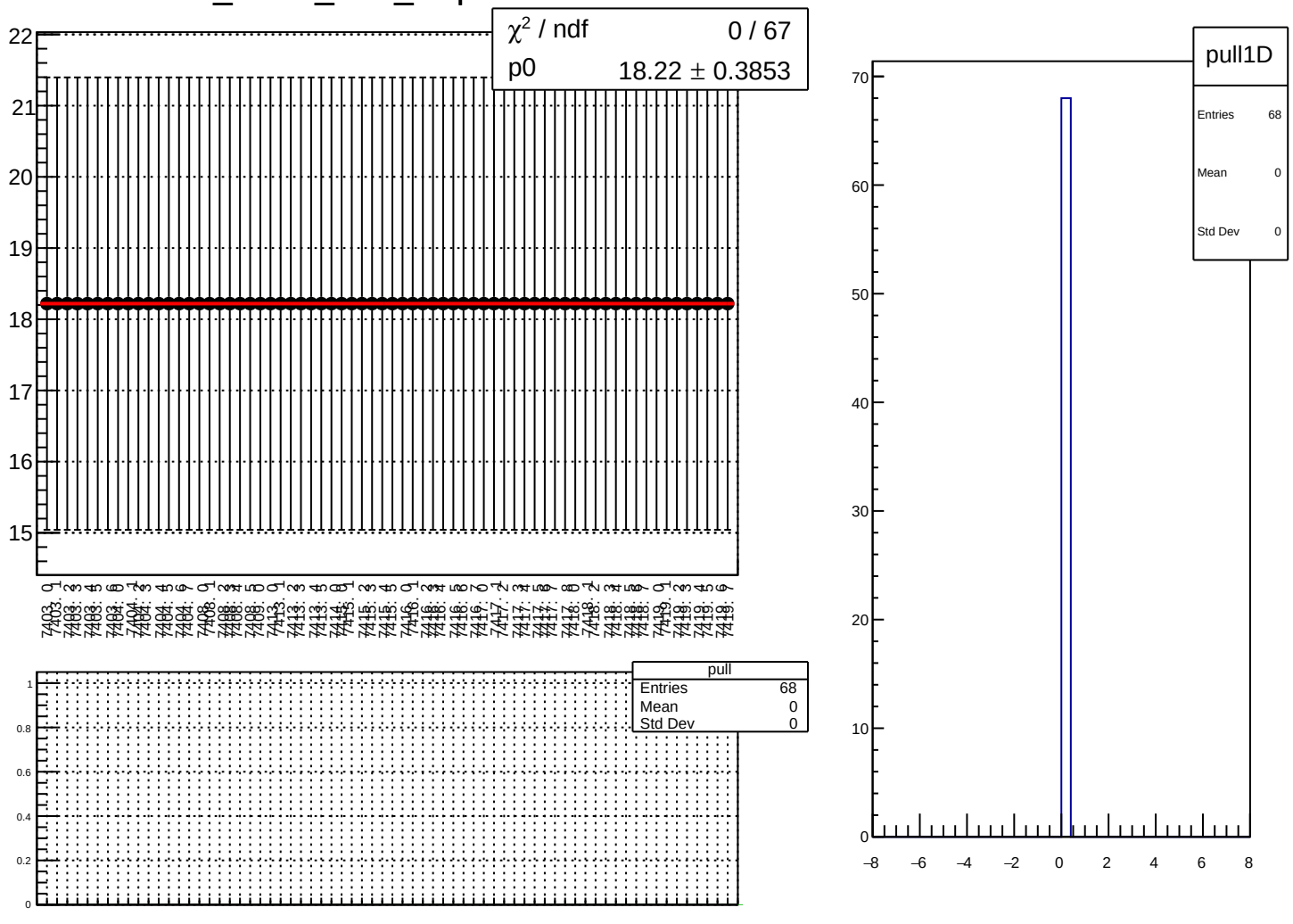

dit_sam1_4eX_slope vs run
χ² / ndf 3.511e−26 / 67
p0 −15.93 ± 0.02844
−15.7
−15.8
−15.9
−16
−16.1
−16.2
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean −2.272e−14
Std Dev1.121e−21

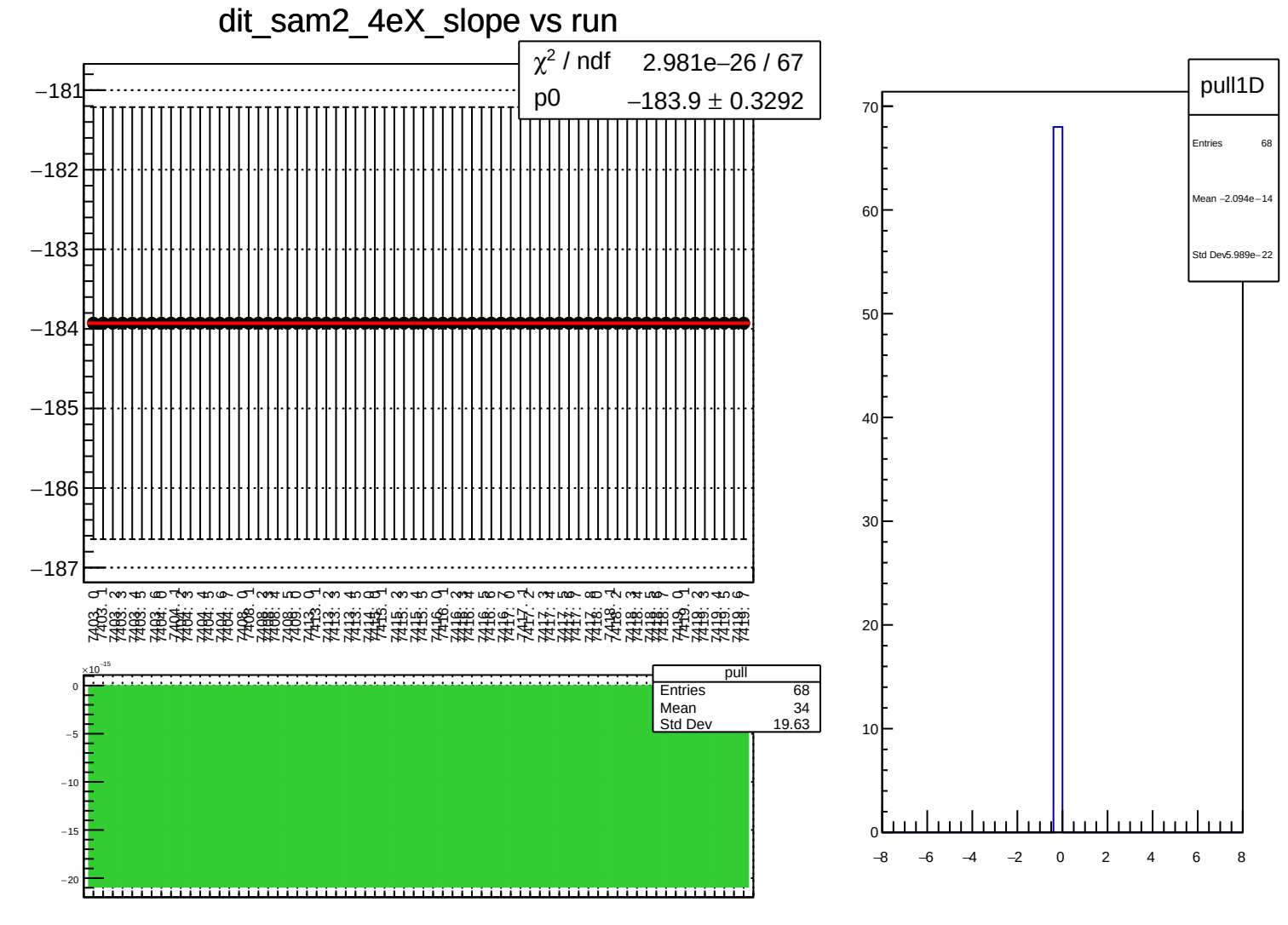

dit_sam1_11X12X_slope vs run
χ² / ndf 1.501e−27 / 67
p0 0.3237 ± 0.001433
0.335
0.33
0.325
0.32
0.315
0.31
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
pull1D
Entries 68
Mean −4.698e−15
Std Dev 1.909e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

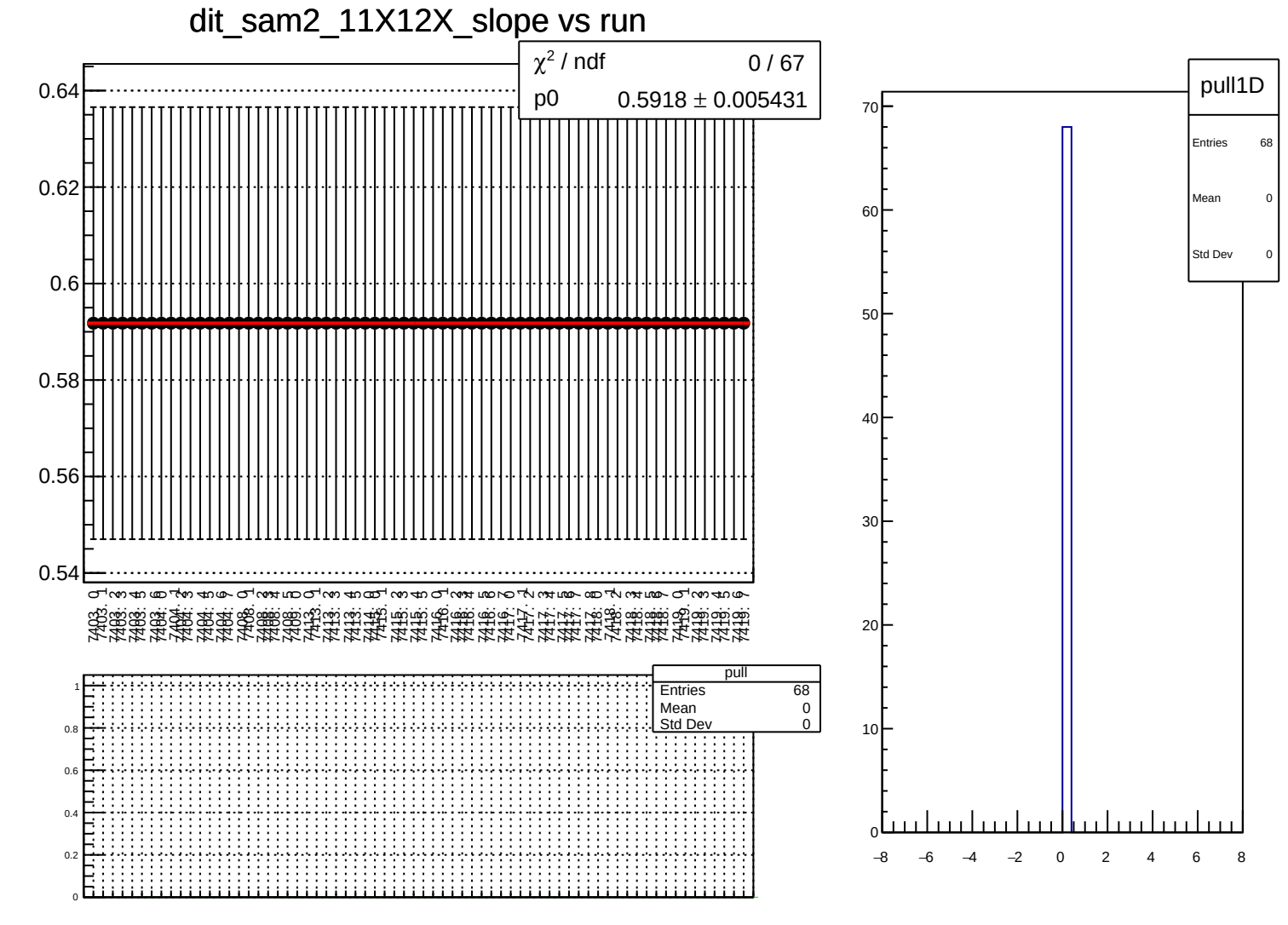

dit_sam1_4aY_slope vs run
χ² / ndf 6.633e−23 / 67
p0 −51.15 ± 0.01483
−51
−51.05
−51.1
−51.15
−51.2
−51.25
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 68
Mean −9.877e−13
Std Dev 3.833e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

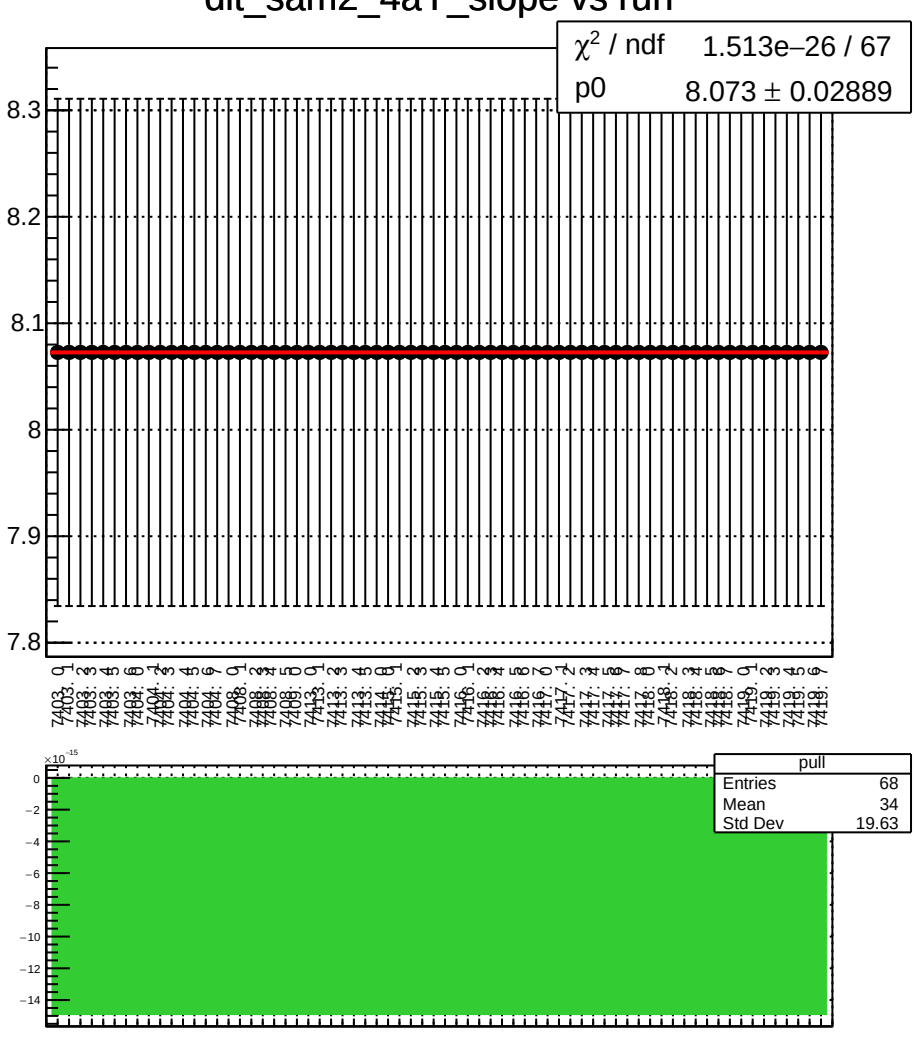

dit_sam1_4eY_slope vs run
χ^2 / ndf 0 / 67
p0 8.646 ± 0.09495
pull
Entries 68
Mean 0
Std Dev 0

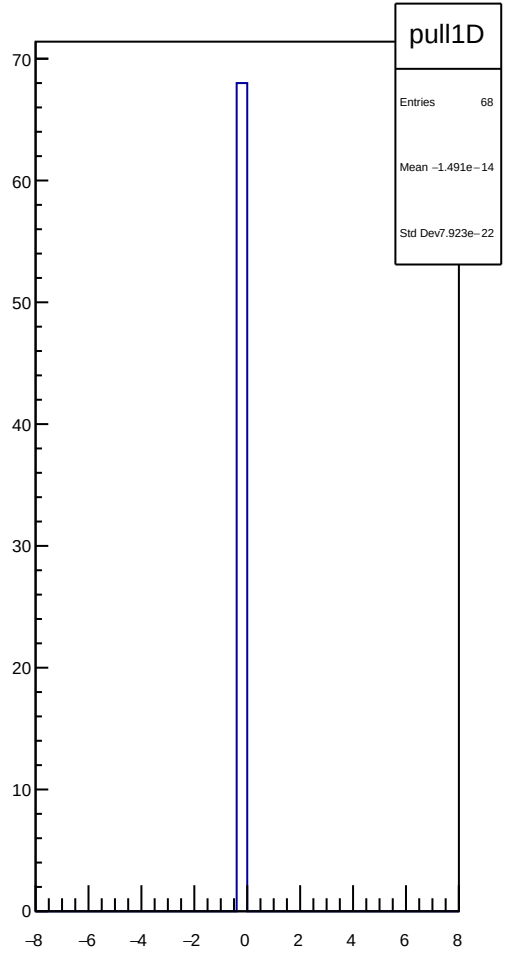

pull1D
Entries 68
Mean 0
Std Dev 0

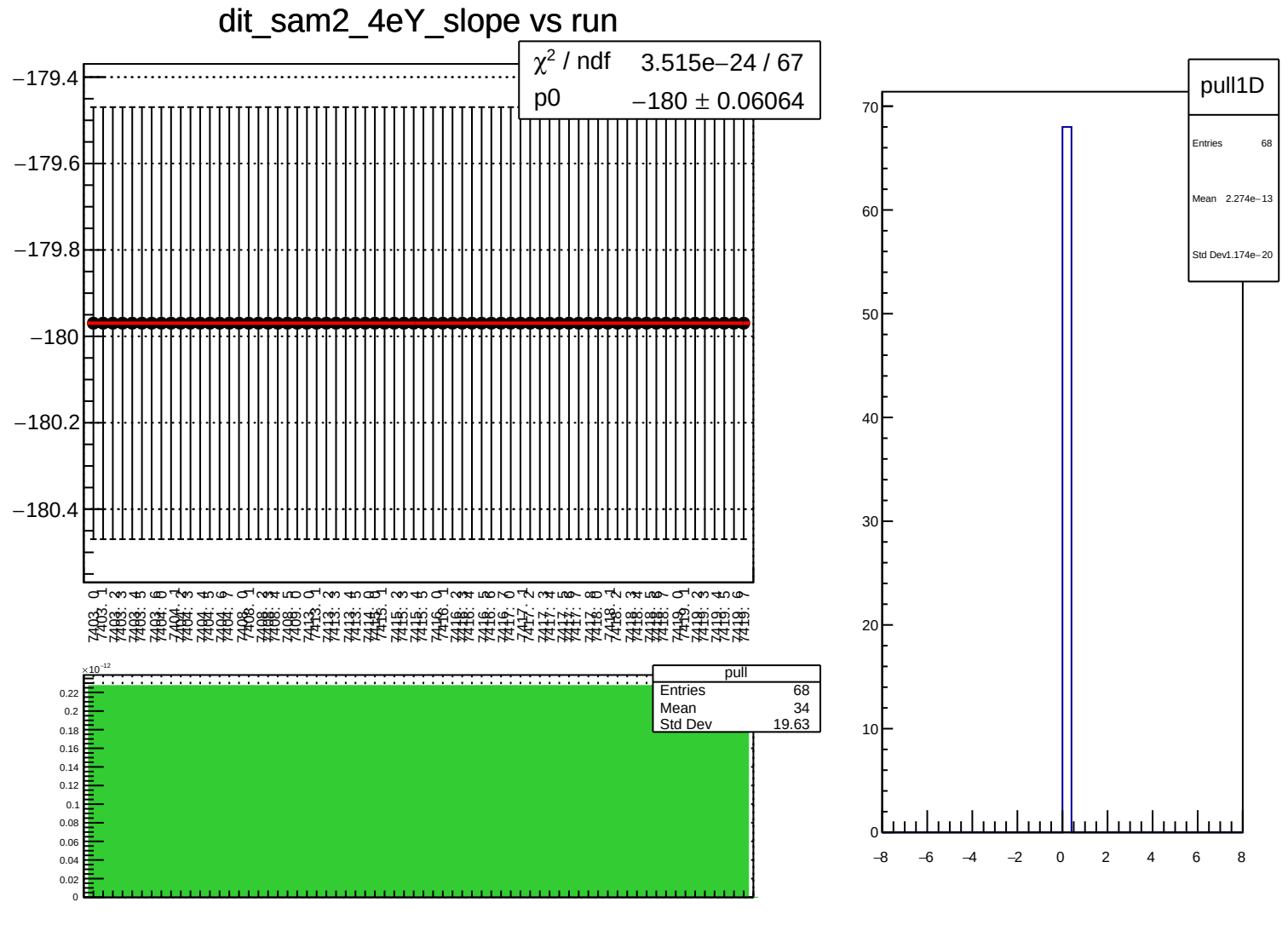

dit_sam2_4aX_slope vs run
χ² / ndf 0 / 67
p0 18.22 ± 0.3853
pull
Entries 68
Mean 0
Std Dev 0
pull1D
Entries 68
Mean 0
Std Dev 0

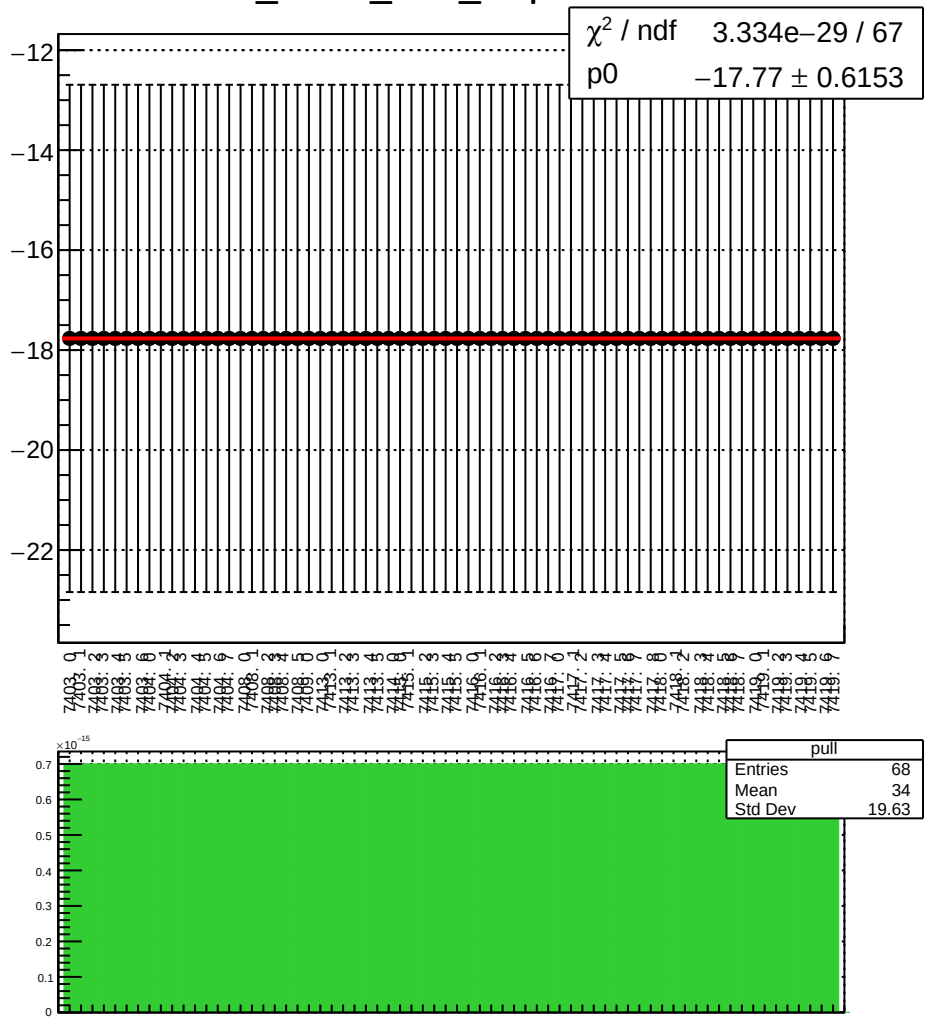

dit_sam2_4eX_slope vs run
χ² / ndf 2.981e−26 / 67
p0 −183.9 ± 0.3292
−181
−182
−183
−184
−185
−186
−187
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 68
Mean −2.094e−14
Std Dev 5.989e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

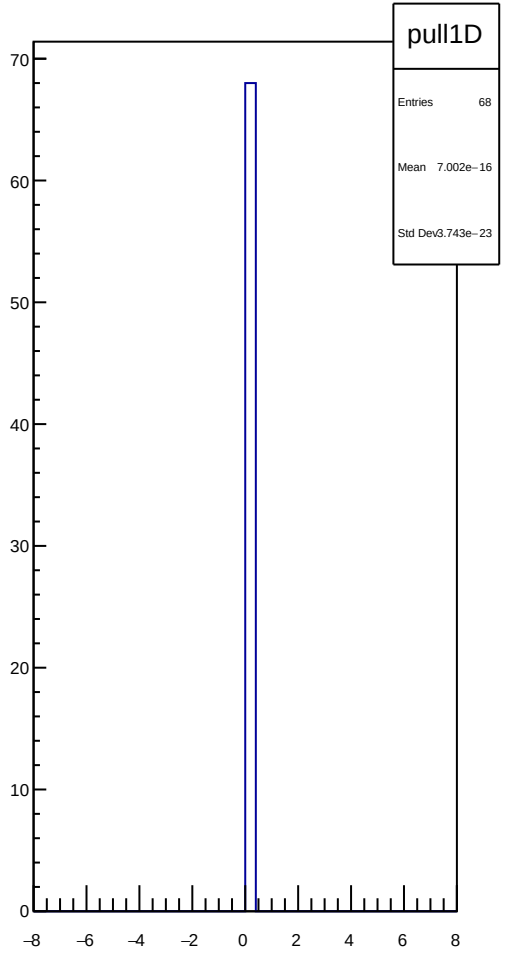

dit_sam2_11X12X_slope vs run
χ² / ndf 0 / 67
p0 0.5918 ± 0.005431
0.64
0.62
0.6
0.58
0.56
0.54
pull
Entries 68
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 68
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

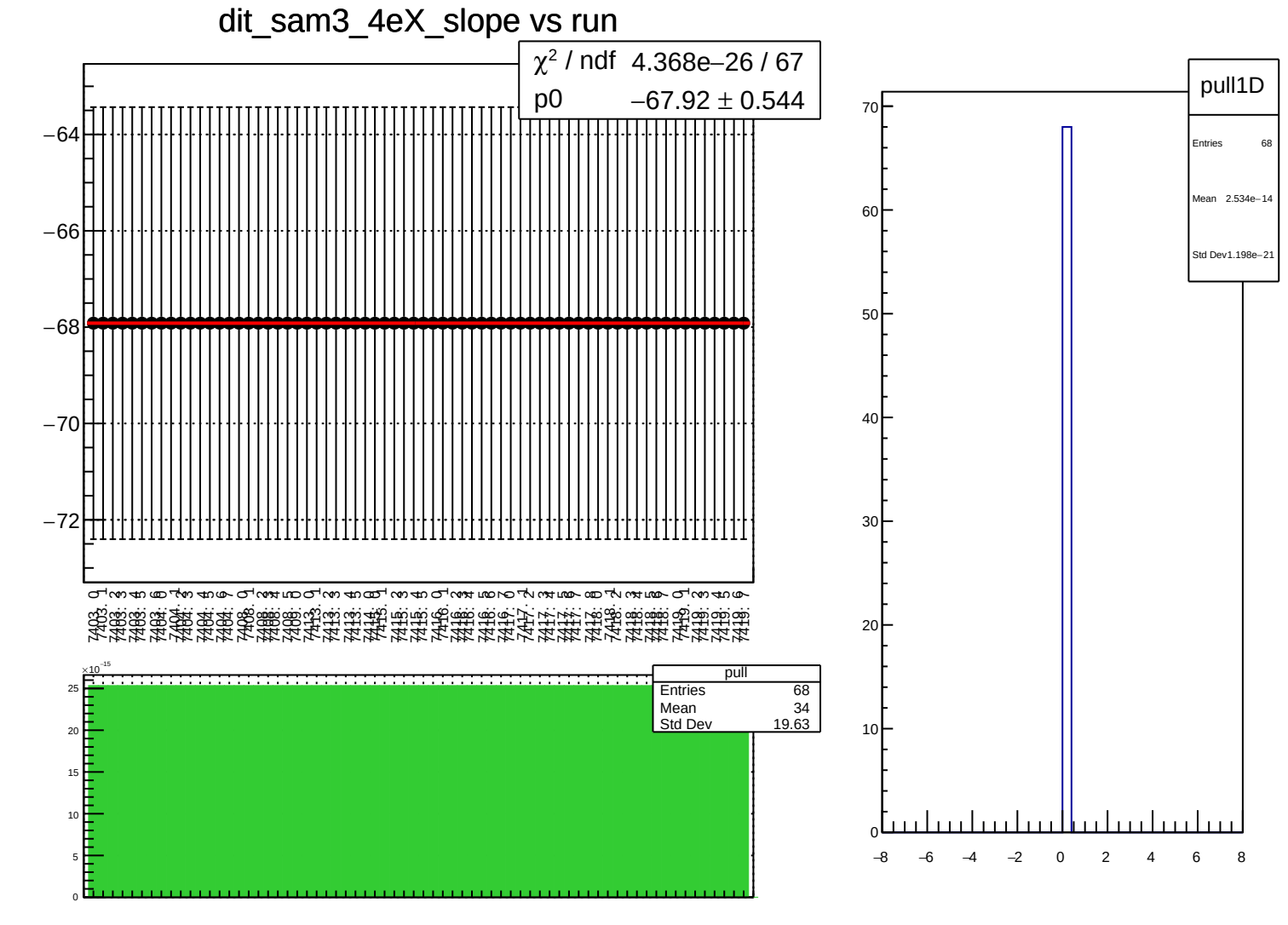

dit_sam2_4aY_slope vs run
χ² / ndf 1.513e−26 / 67
p0 8.073 ± 0.02889
8.3
8.2
8.1
8
7.9
7.8
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

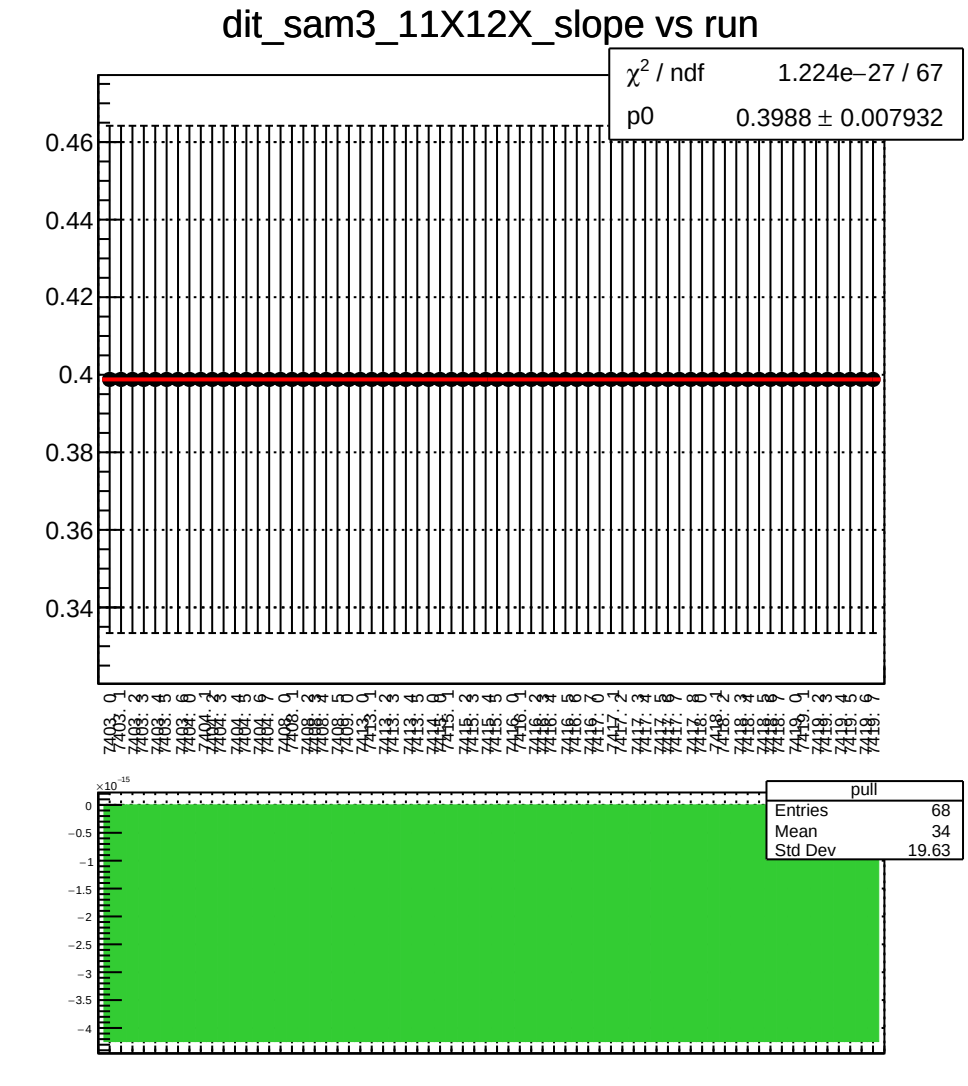

pull1D
Entries 68
Mean −1.491e−14
Std Dev7.923e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

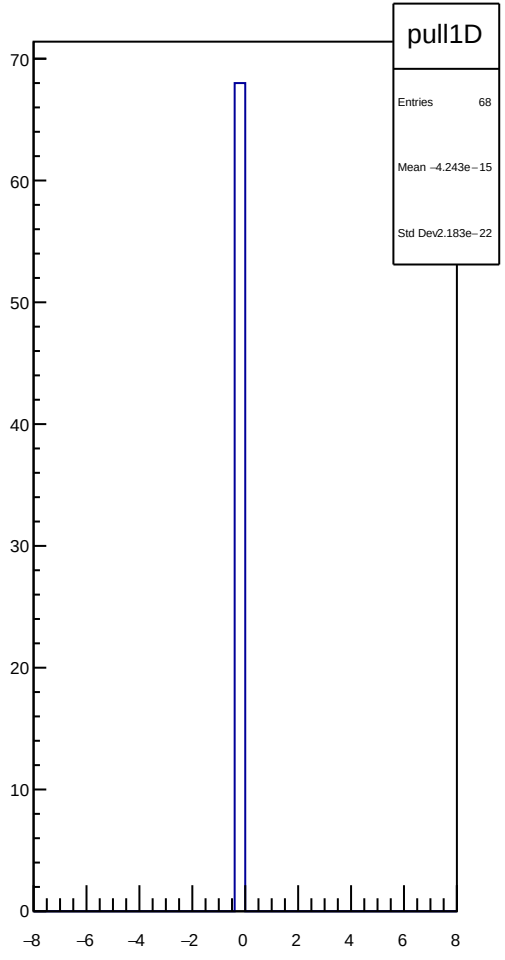

dit_sam2_4eY_slope vs run
χ² / ndf 3.515e−24 / 67
p0 −180 ± 0.06064
−179.4
−179.6
−179.8
−180
−180.2
−180.4
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 2.274e−13
Std Dev 1.174e−20

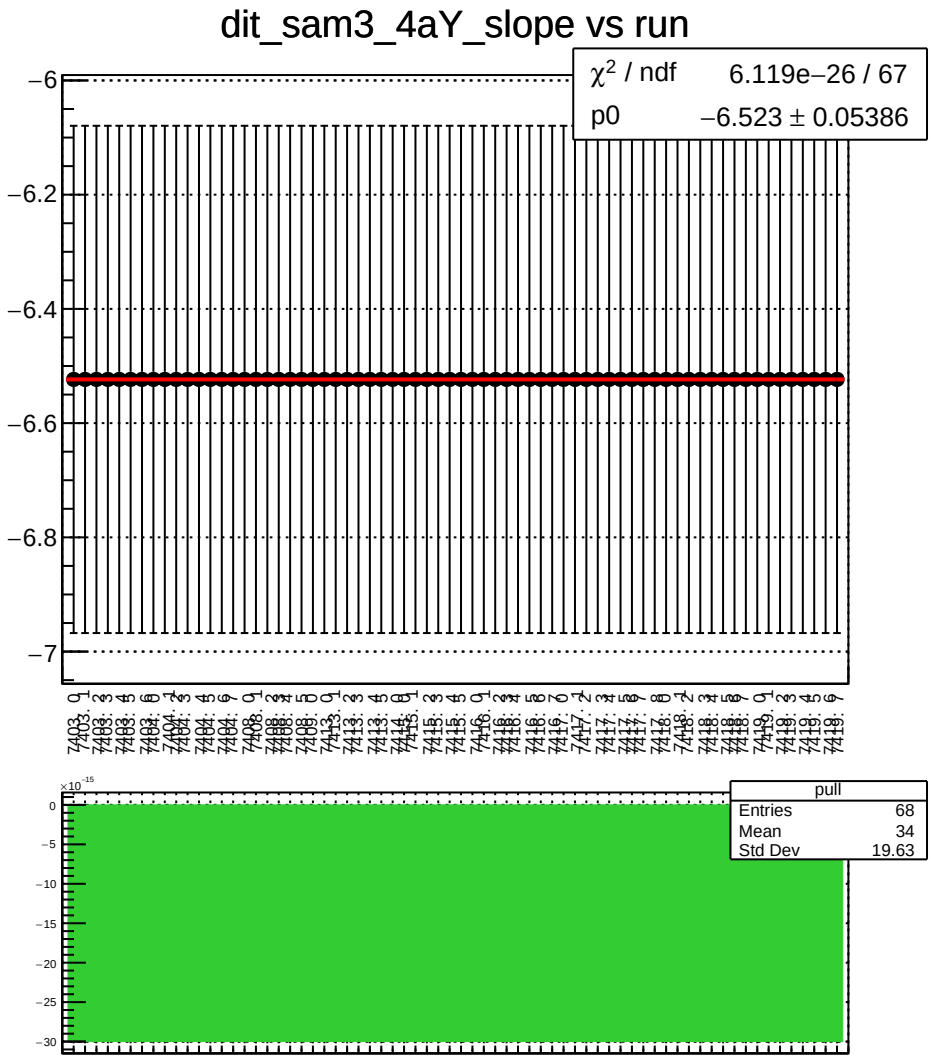

dit_sam3_4aX_slope vs run
χ^2 / ndf 3.334e−29 / 67
p0 −17.77 ± 0.6153
pull
Entries 68
Mean 34
Std Dev 19.63

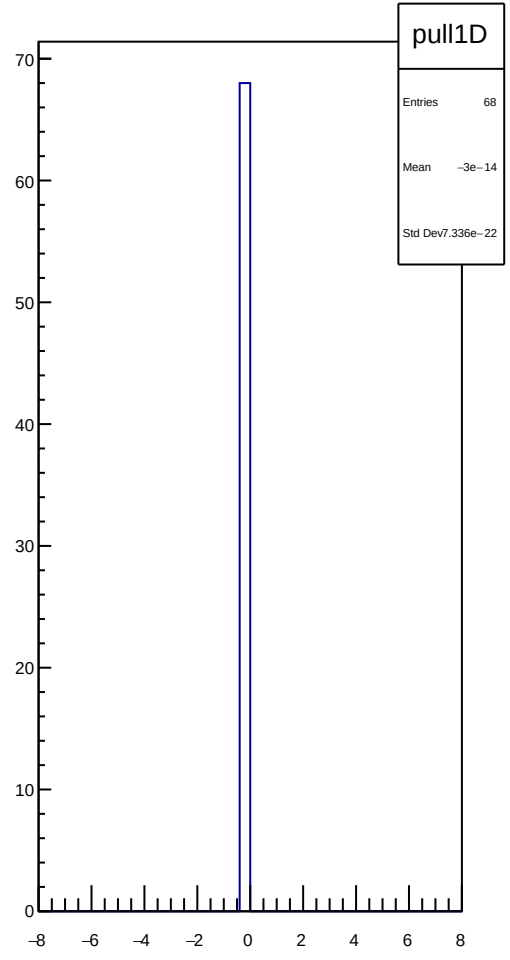

pull1D
Entries 68
Mean 7.002e−16
Std Dev 3.743e−23

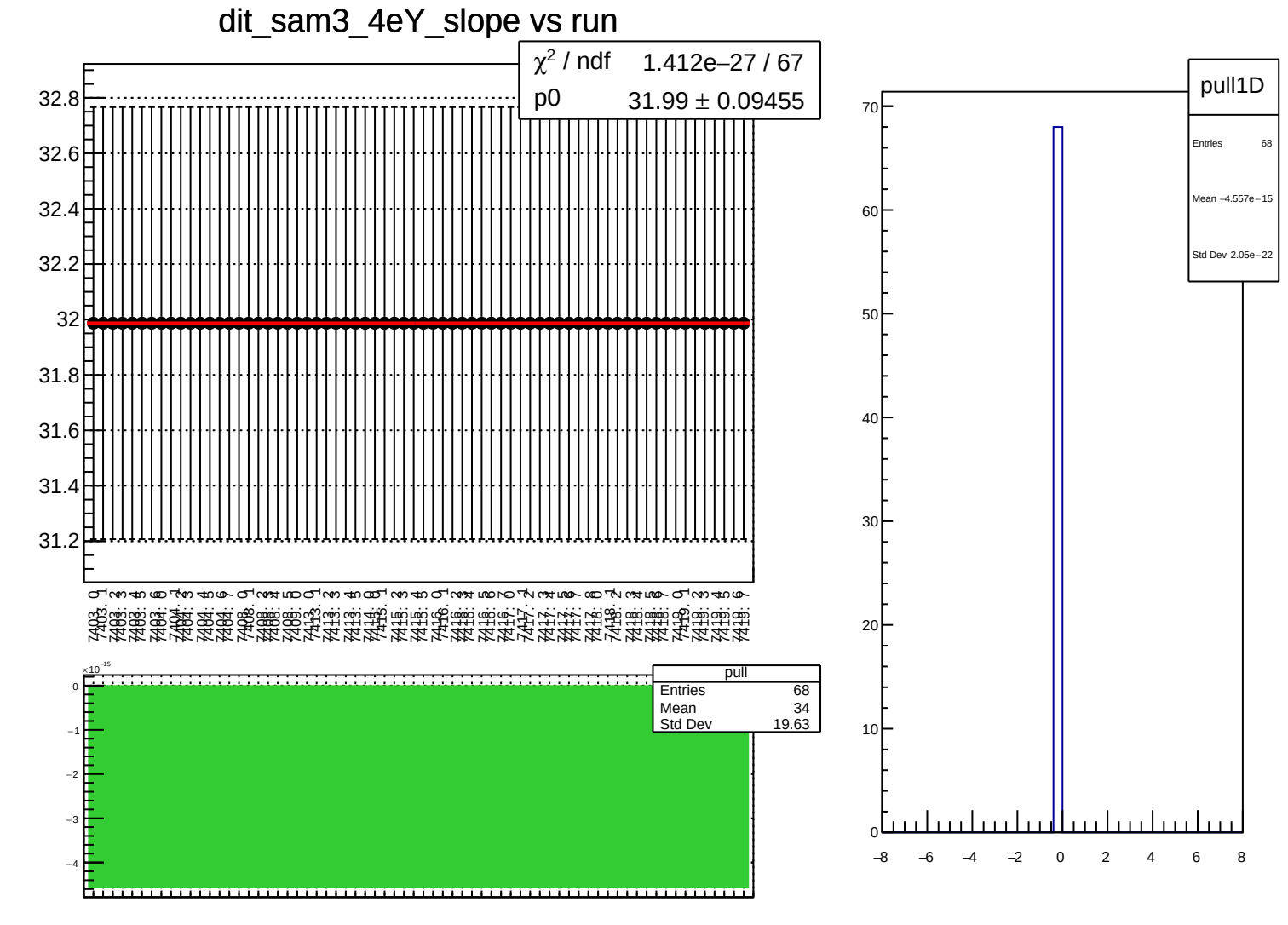

dit_sam3_4eX_slope vs run
χ² / ndf 4.368e−26 / 67
p0 −67.92 ± 0.544
−64
−66
−68
−70
−72
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 68
Mean 2.534e−14
Std Dev1.198e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

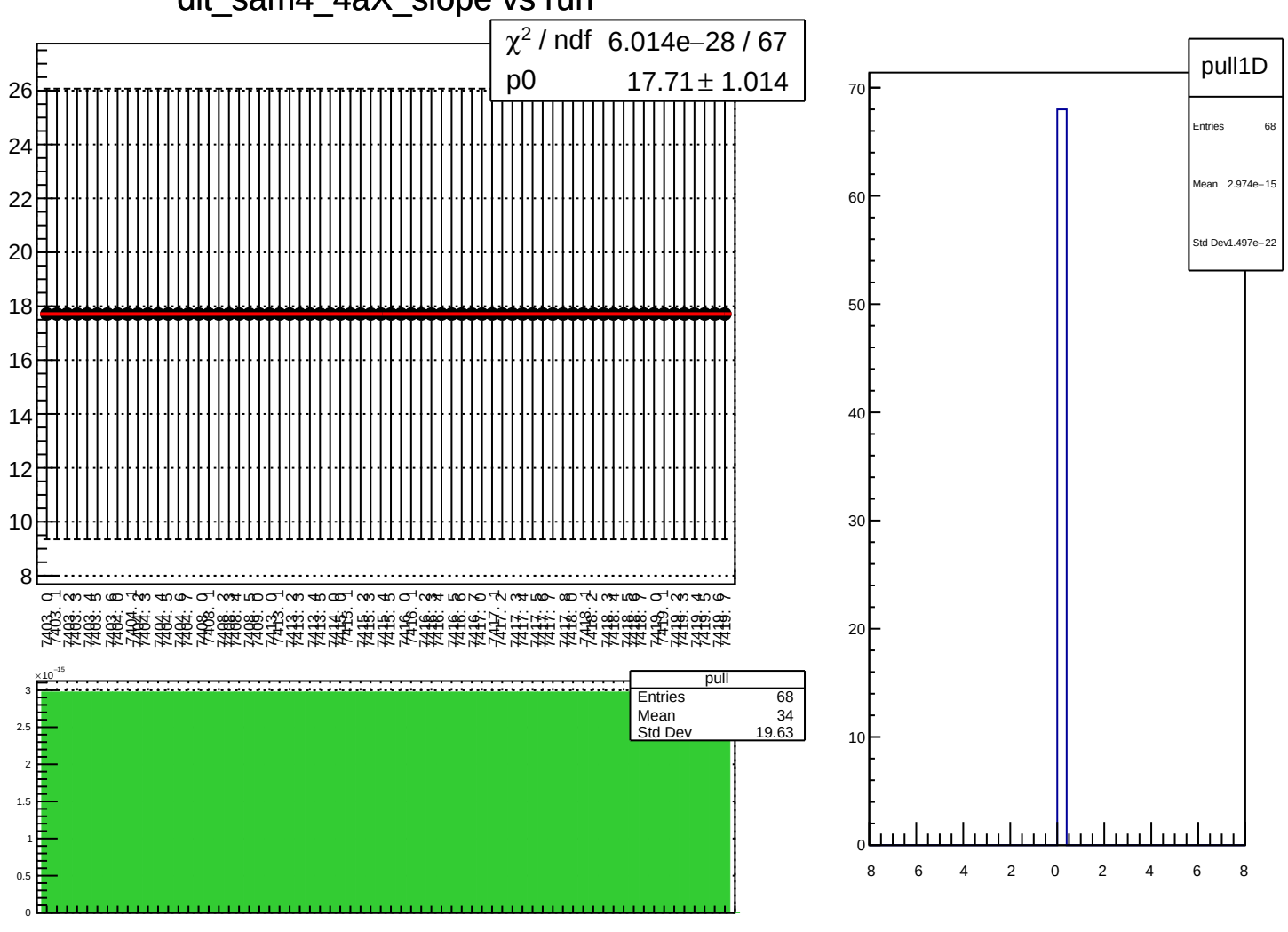

dit_sam3_11X12X_slope vs run
χ² / ndf 1.224e−27 / 67
p0 0.3988 ± 0.007932
0.46
0.44
0.42
0.4
0.38
0.36
0.34
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

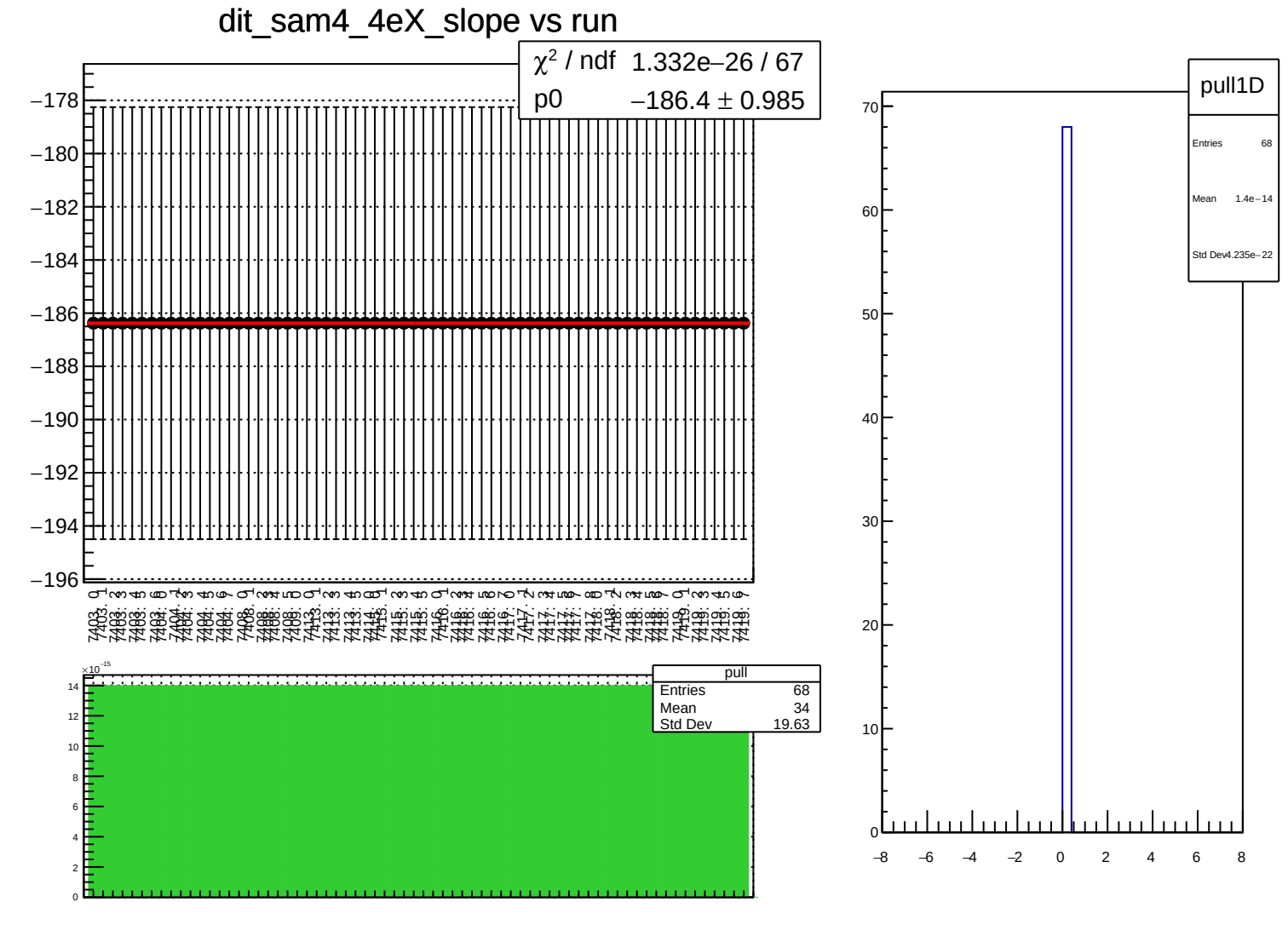

pull1D
Entries 68
Mean −4.243e−15
Std Dev 2.183e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

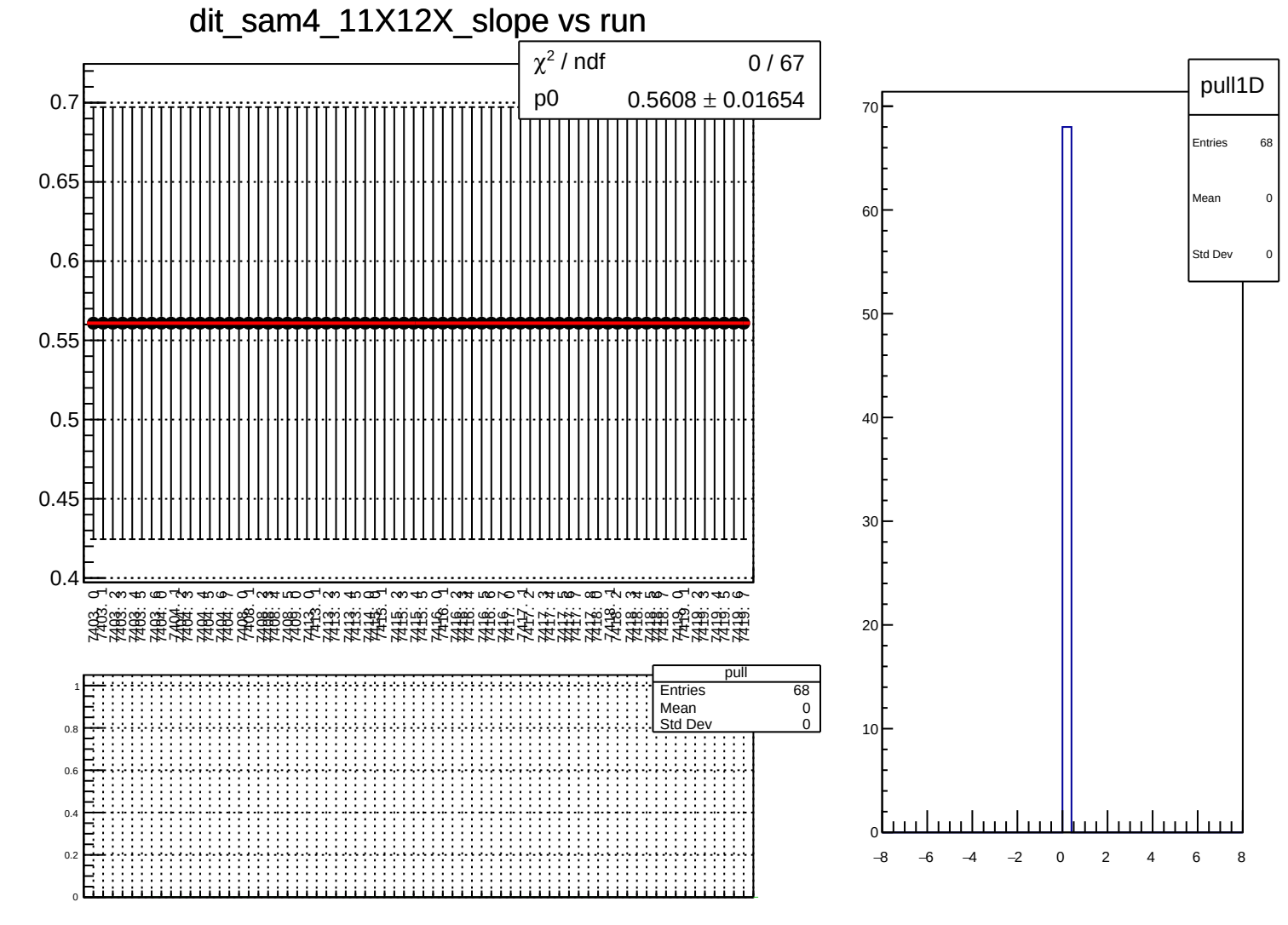

dit_sam3_4aY_slope vs run
χ² / ndf 6.119e−26 / 67
p0 −6.523 ± 0.05386
−6
−6.2
−6.4
−6.6
−6.8
−7
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

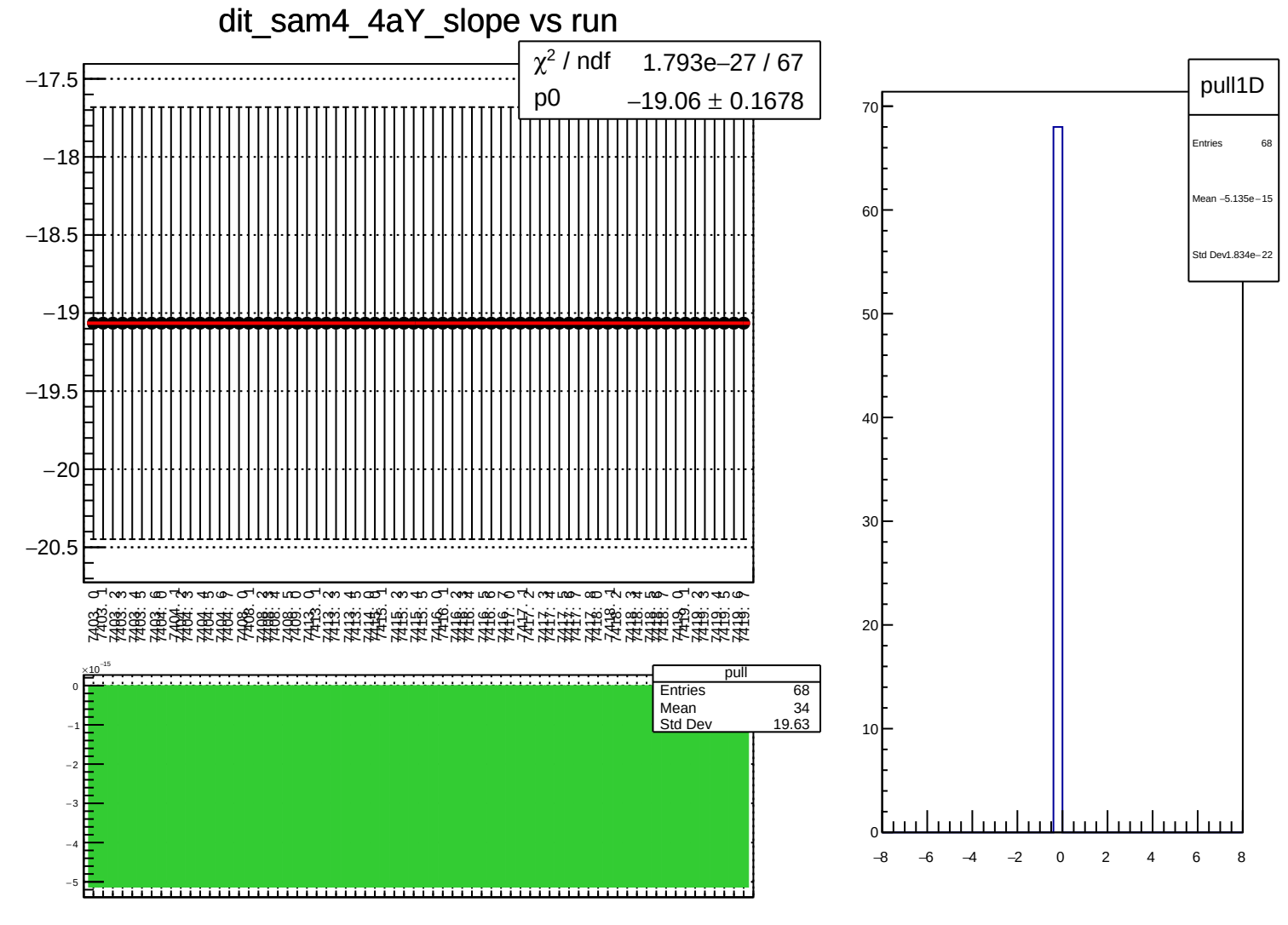

pull1D
Entries 68
Mean −3e−14
Std Dev7.336e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

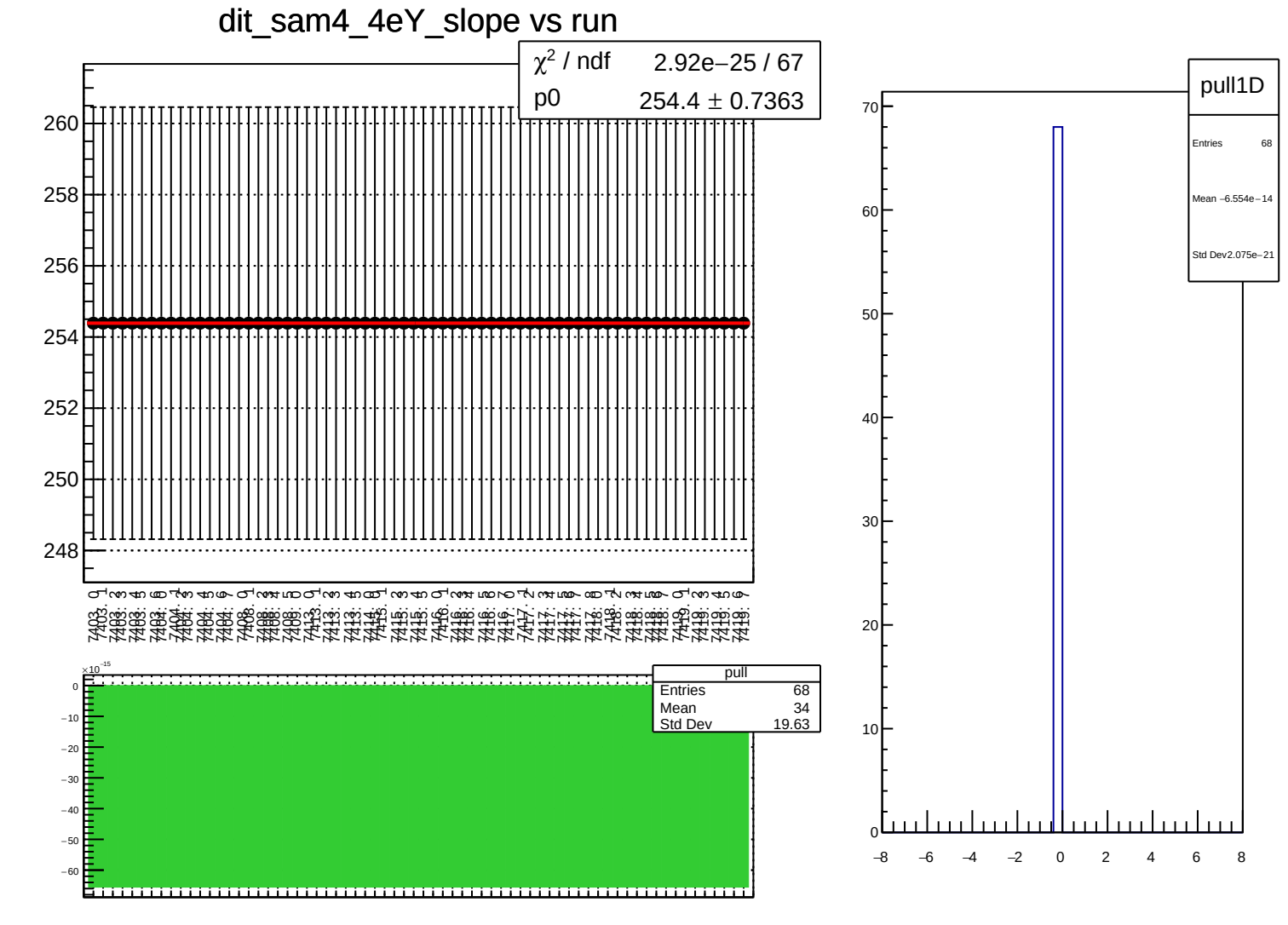

dit_sam3_4eY_slope vs run
χ² / ndf 1.412e−27 / 67
p0 31.99 ± 0.09455
32.8
32.6
32.4
32.2
32
31.8
31.6
31.4
31.2
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−1
−2
−3
−4
pull1D
Entries 68
Mean −4.557e−15
Std Dev 2.05e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

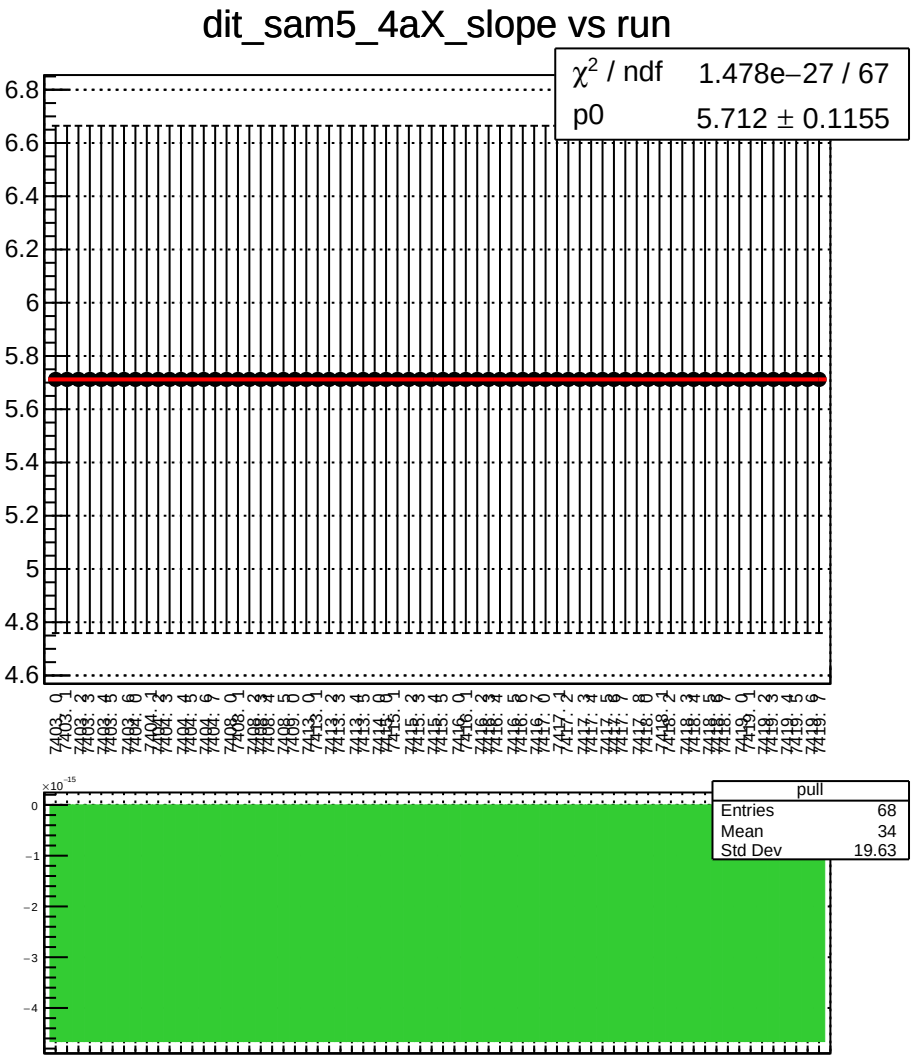

dit_sam4_4aX_slope vs run
χ^2 / ndf 6.014e−28 / 67
p0 17.71 ± 1.014
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 2.974e−15
Std Dev1.497e−22

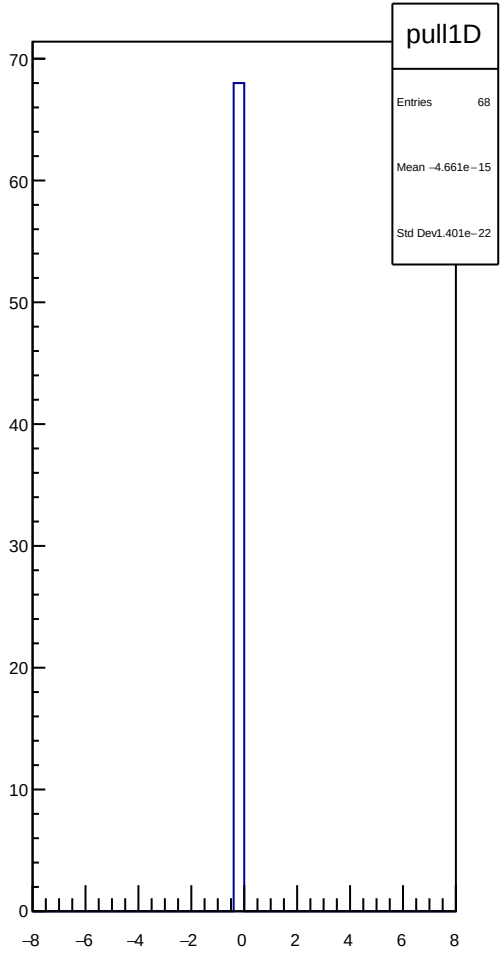

dit_sam4_4eX_slope vs run
χ² / ndf 1.332e−26 / 67
p0 −186.4 ± 0.985
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 1.4e−14
Std Dev 4.235e−22

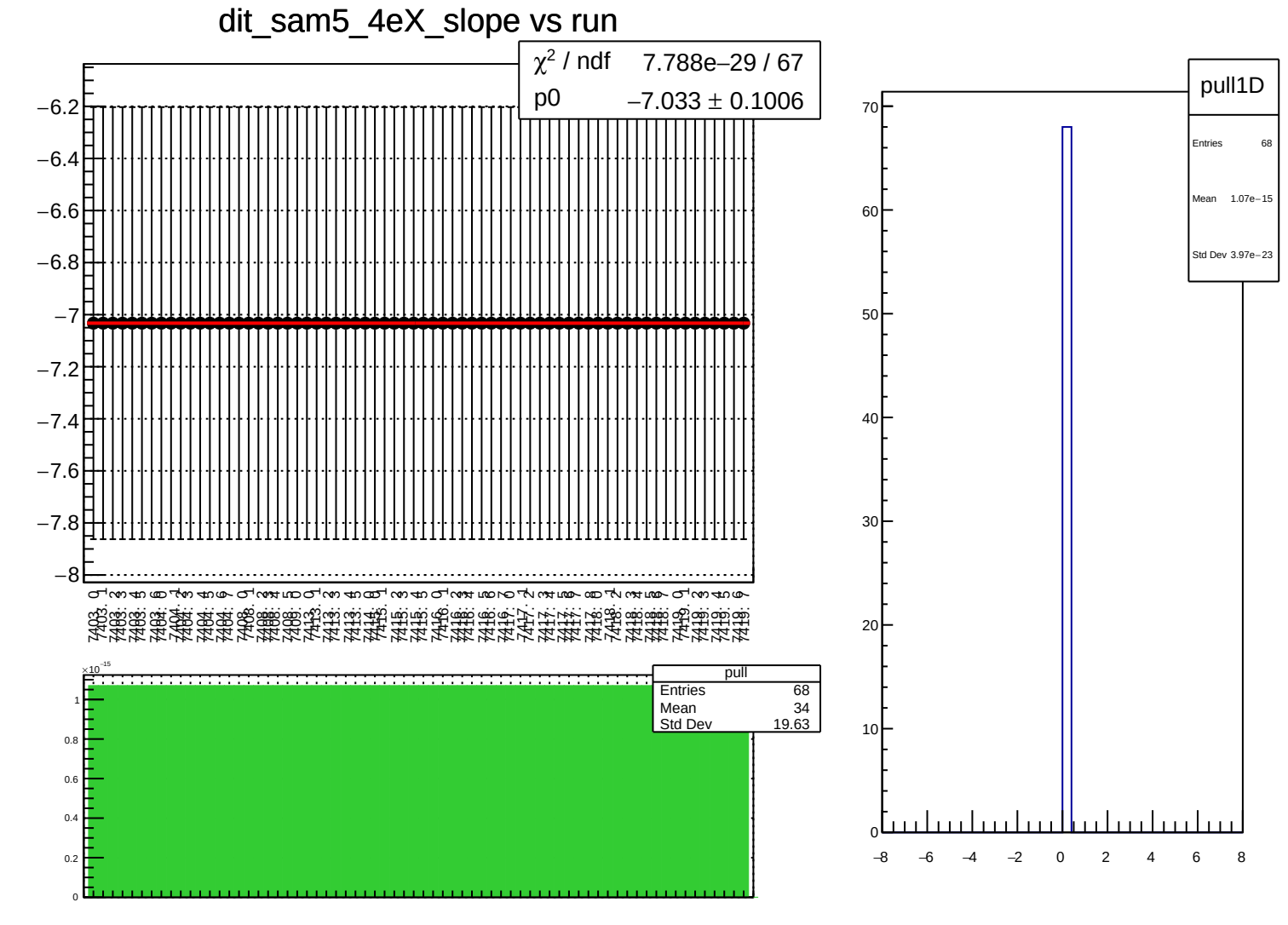

dit_sam4_11X12X_slope vs run
χ² / ndf 0 / 67
p0 0.5608 ± 0.01654
pull
Entries 68
Mean 0
Std Dev 0
pull1D
Entries 68
Mean 0
Std Dev 0

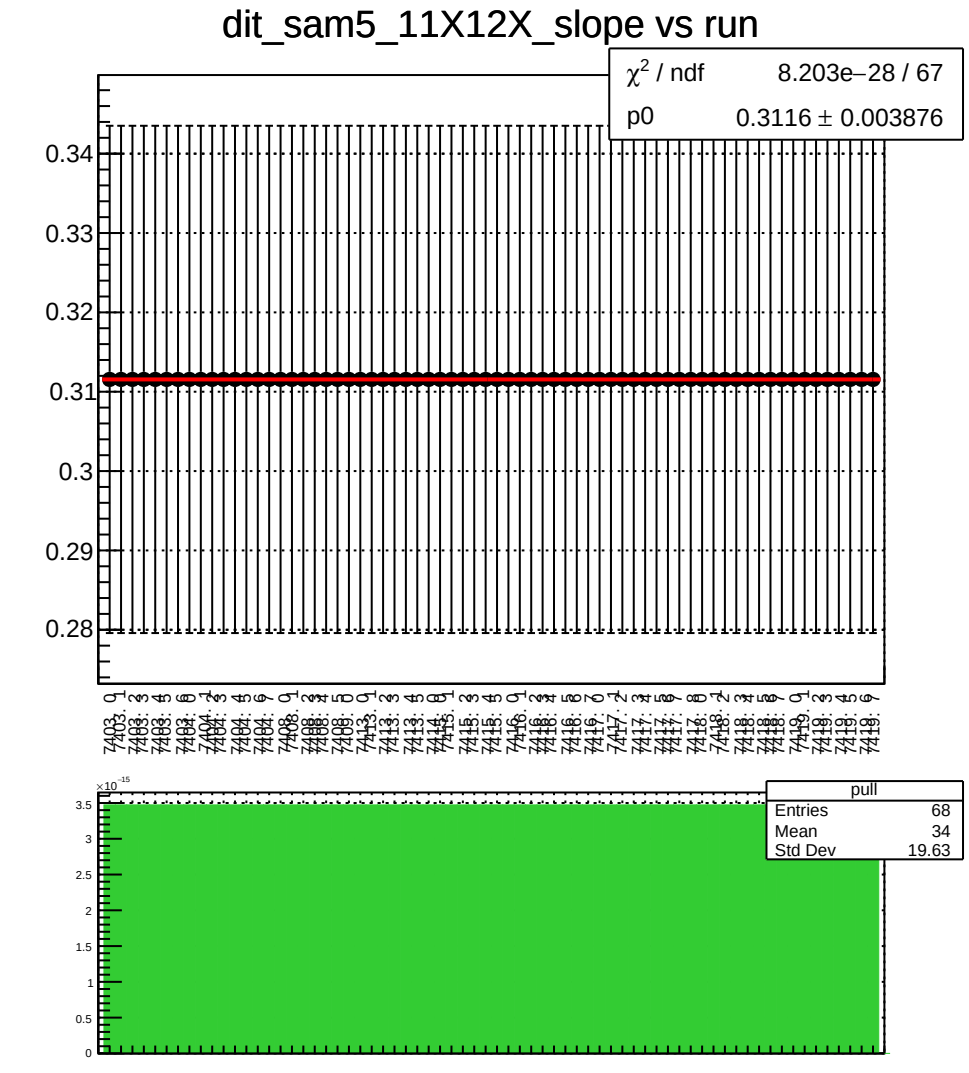

dit_sam4_4aY_slope vs run
χ² / ndf 1.793e−27 / 67
p0 −19.06 ± 0.1678
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
pull1D
Entries 68
Mean −5.135e−15
Std Dev 1.834e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

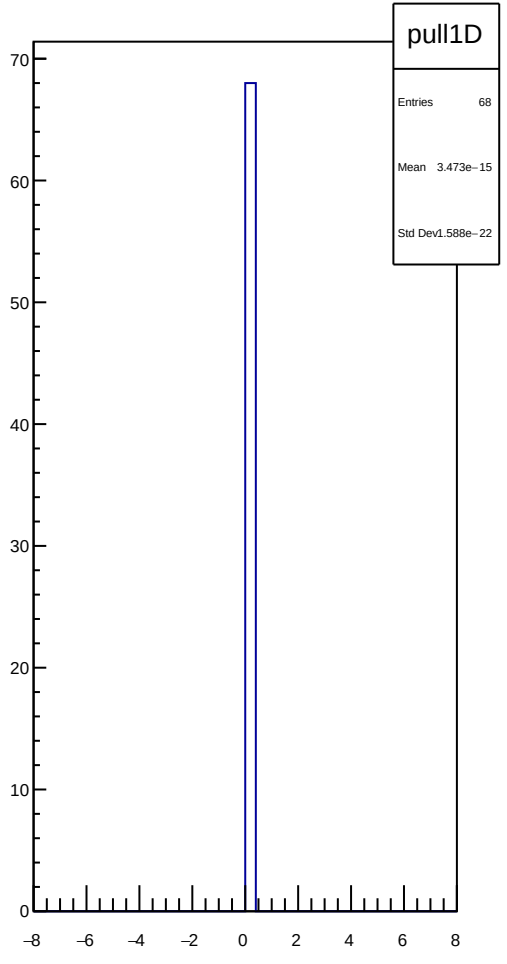

dit_sam4_4eY_slope vs run
χ² / ndf 2.92e−25 / 67
p0 254.4 ± 0.7363
260
258
256
254
252
250
248
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 68
Mean −6.554e−14
Std Dev2.075e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

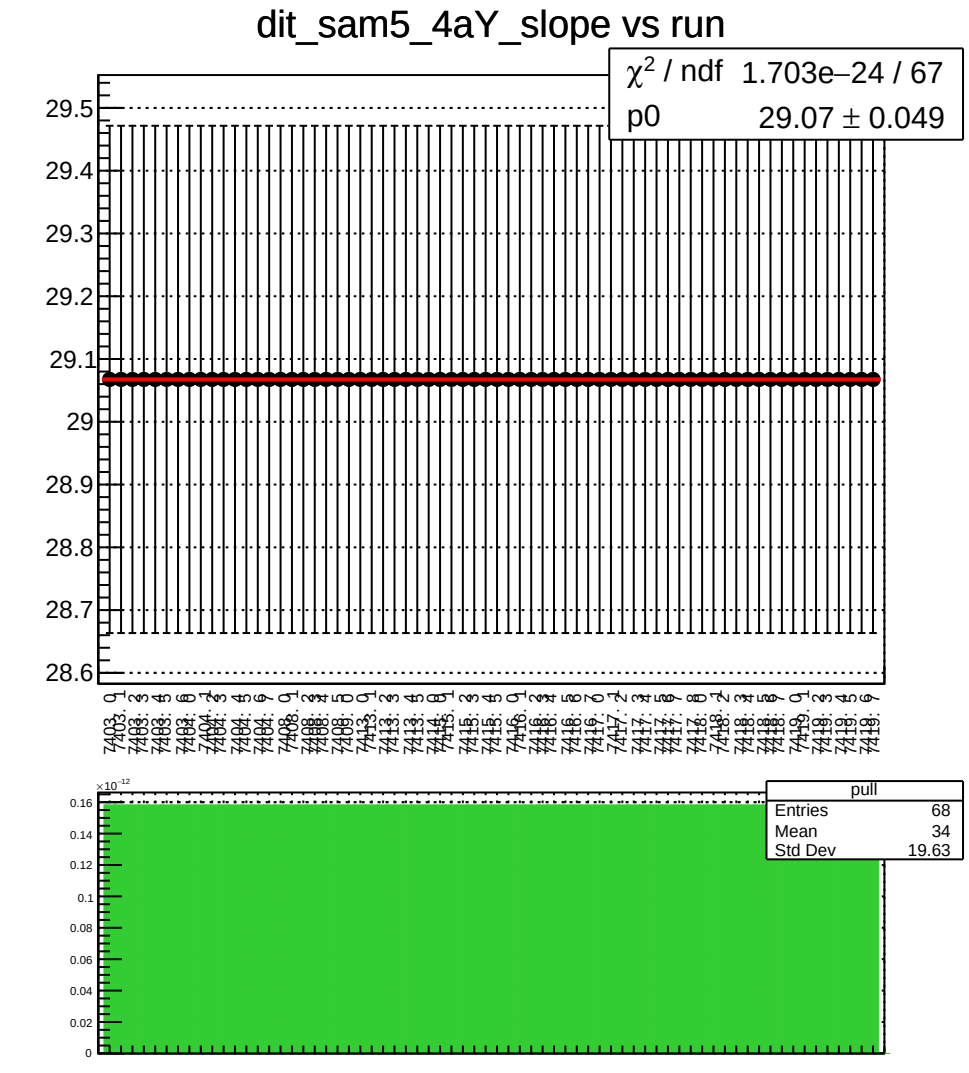

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.478e−27 / 67
p0 5.712 ± 0.1155
pull
Entries 68
Mean 34
Std Dev 19.63

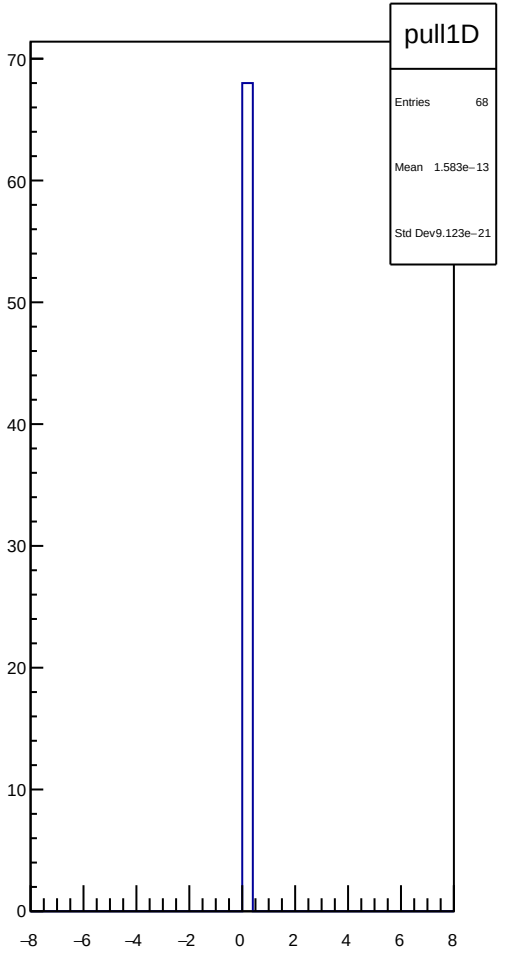

pull1D
Entries 68
Mean −4.661e−15
Std Dev1.401e−22

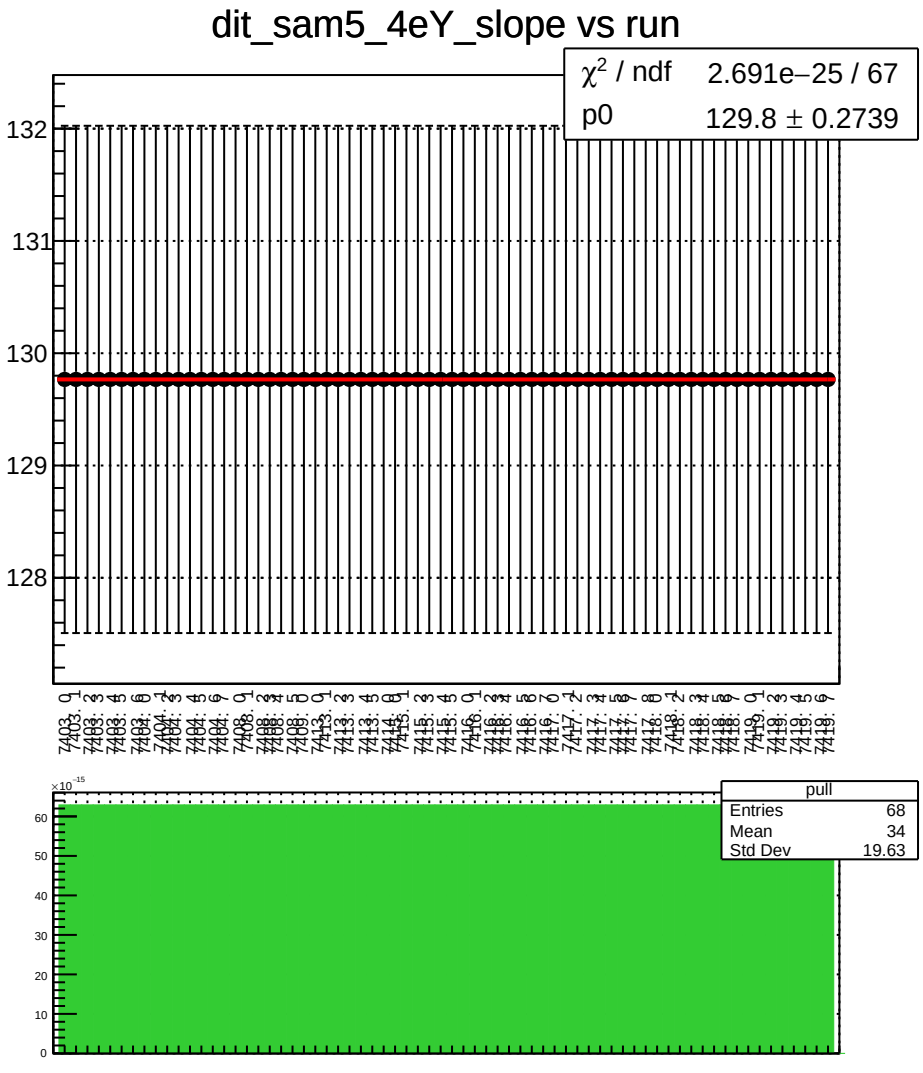

dit_sam5_4eX_slope vs run
χ² / ndf 7.788e−29 / 67
p0 −7.033 ± 0.1006
−6.2
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
−8
×10⁻¹⁵
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 1.07e−15
Std Dev 3.97e−23
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

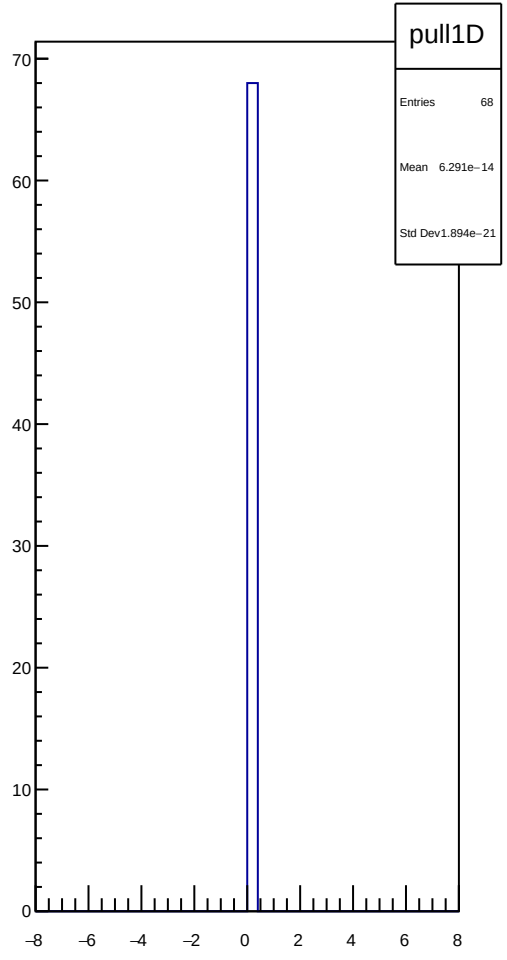

dit_sam5_11X12X_slope vs run
χ² / ndf 8.203e−28 / 67
p0 0.3116 ± 0.003876
0.34
0.33
0.32
0.31
0.3
0.29
0.28
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0

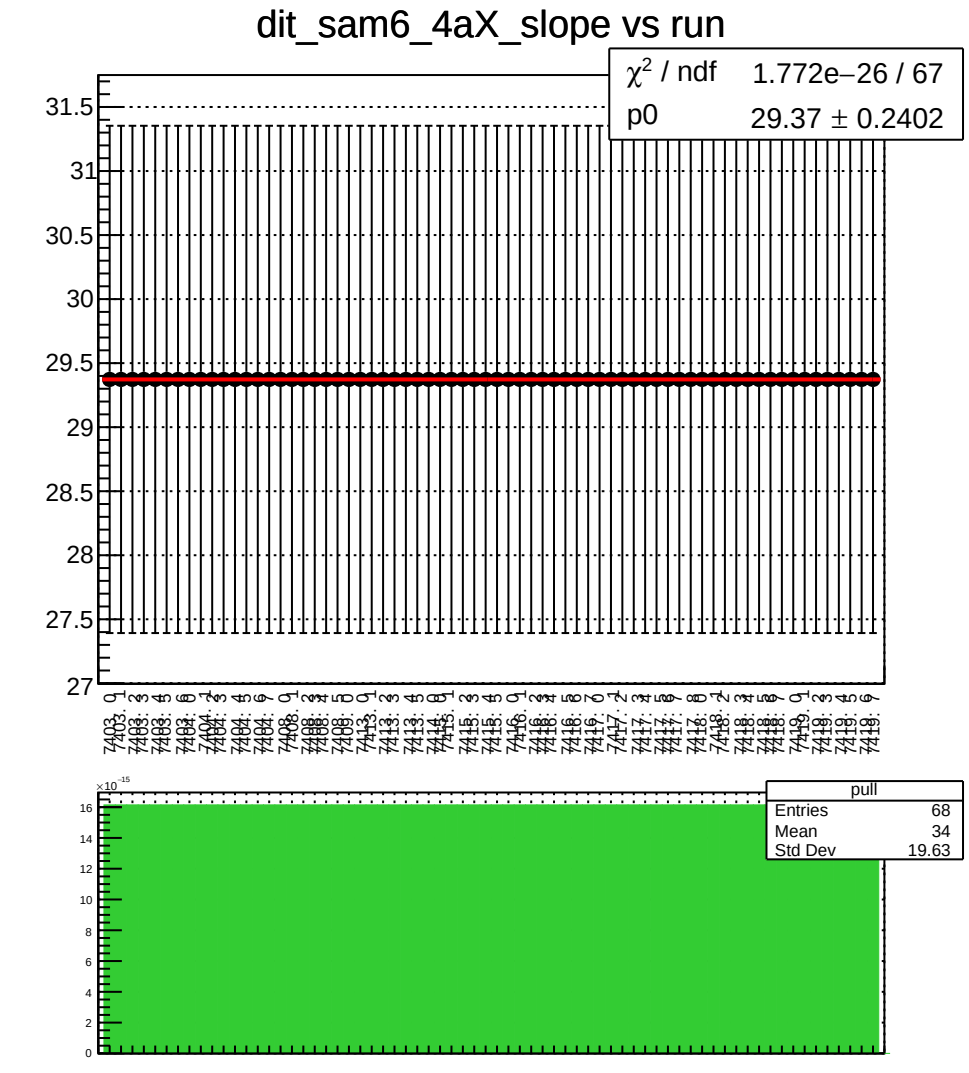

pull1D
Entries 68
Mean 3.473e−15
Std Dev1.588e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

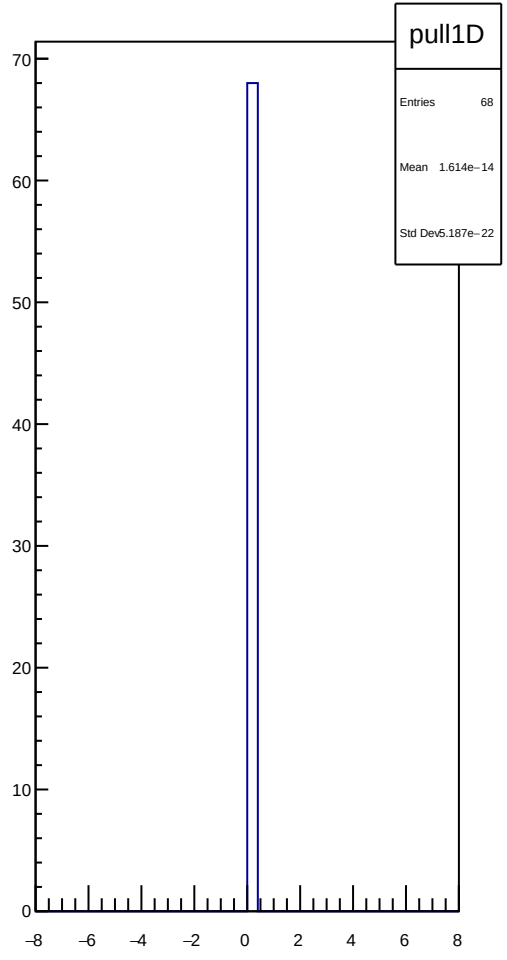

dit_sam5_4aY_slope vs run
χ² / ndf 1.703e−24 / 67
p0 29.07 ± 0.049
pull
Entries 68
Mean 34
Std Dev 19.63

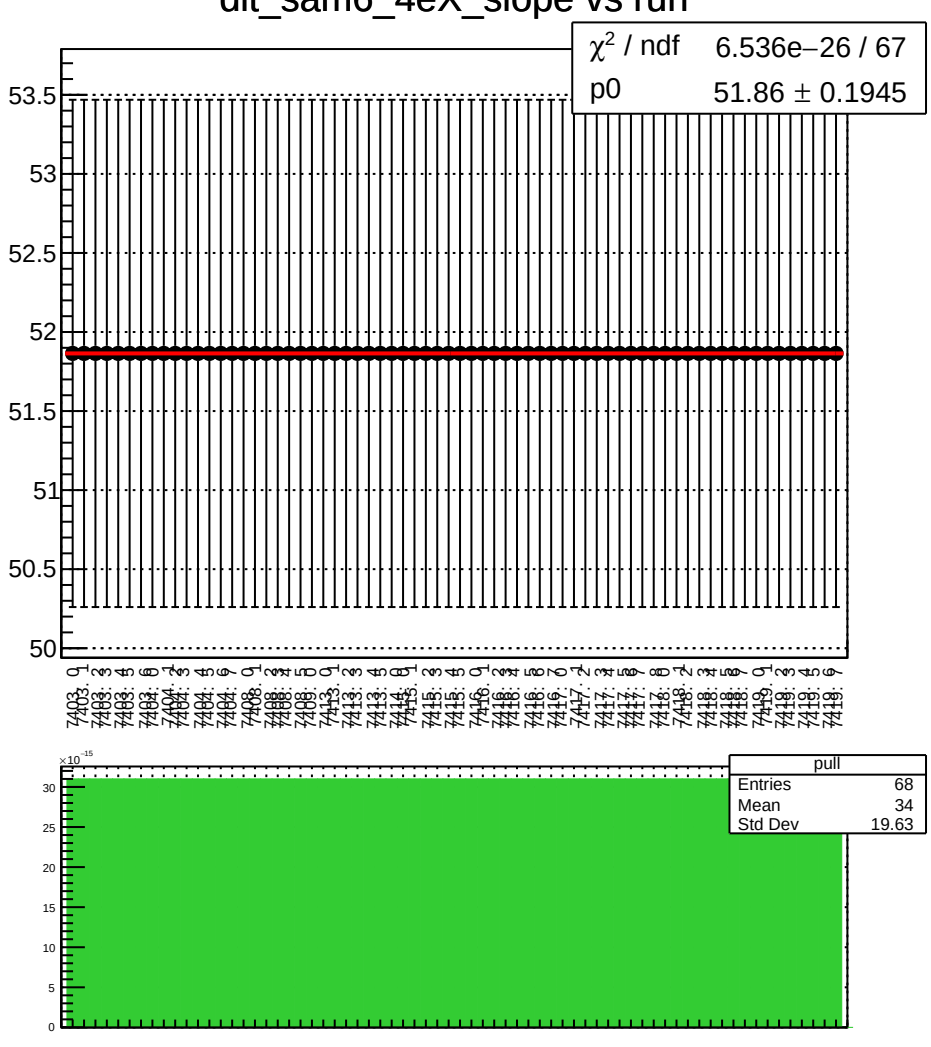

pull1D
Entries 68
Mean 1.583e−13
Std Dev9.123e−21

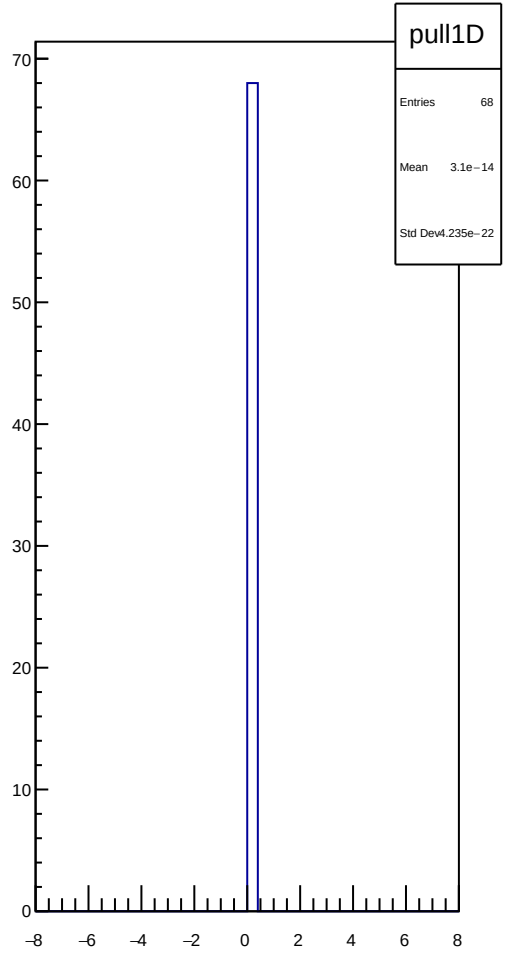

dit_sam5_4eY_slope vs run
χ² / ndf 2.691e−25 / 67
p0 129.8 ± 0.2739
132
131
130
129
128
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
60
50
40
30
20
10
0

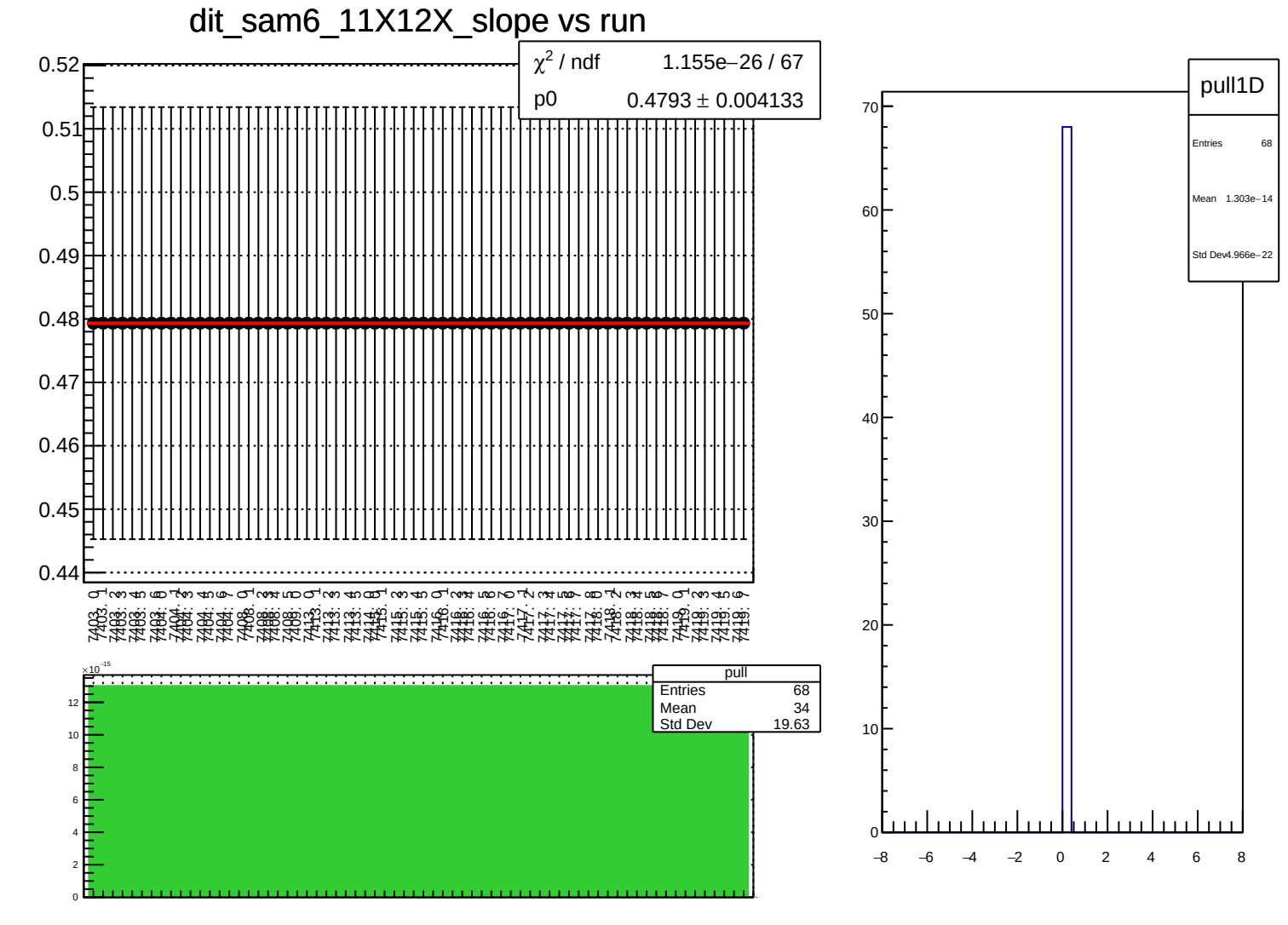

pull1D
Entries 68
Mean 6.291e−14
Std Dev1.894e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

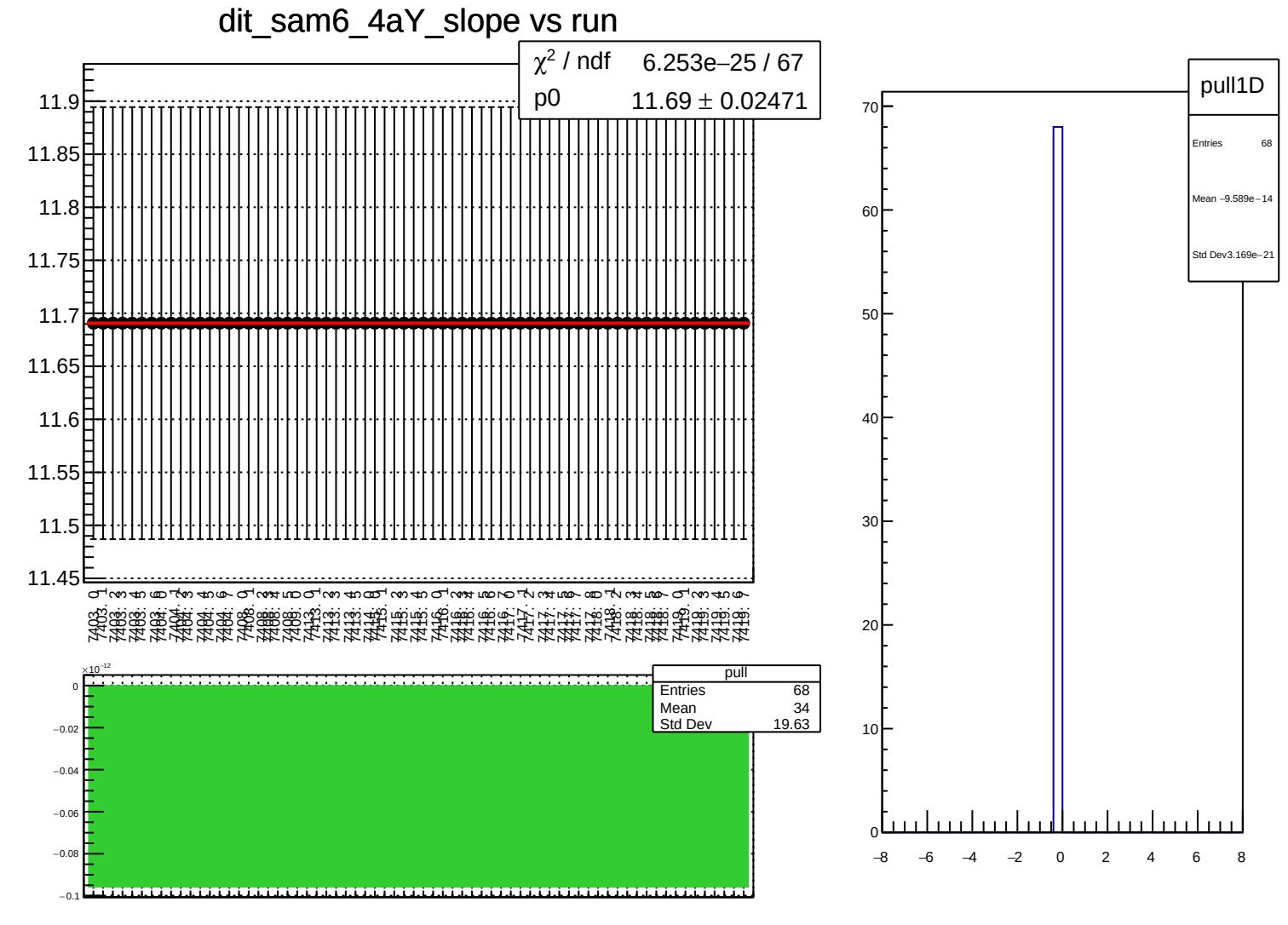

dit_sam6_4aX_slope vs run
χ^2 / ndf 1.772e−26 / 67
p0 29.37 ± 0.2402
31.5
31
30.5
30
29.5
29
28.5
28
27.5
27
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

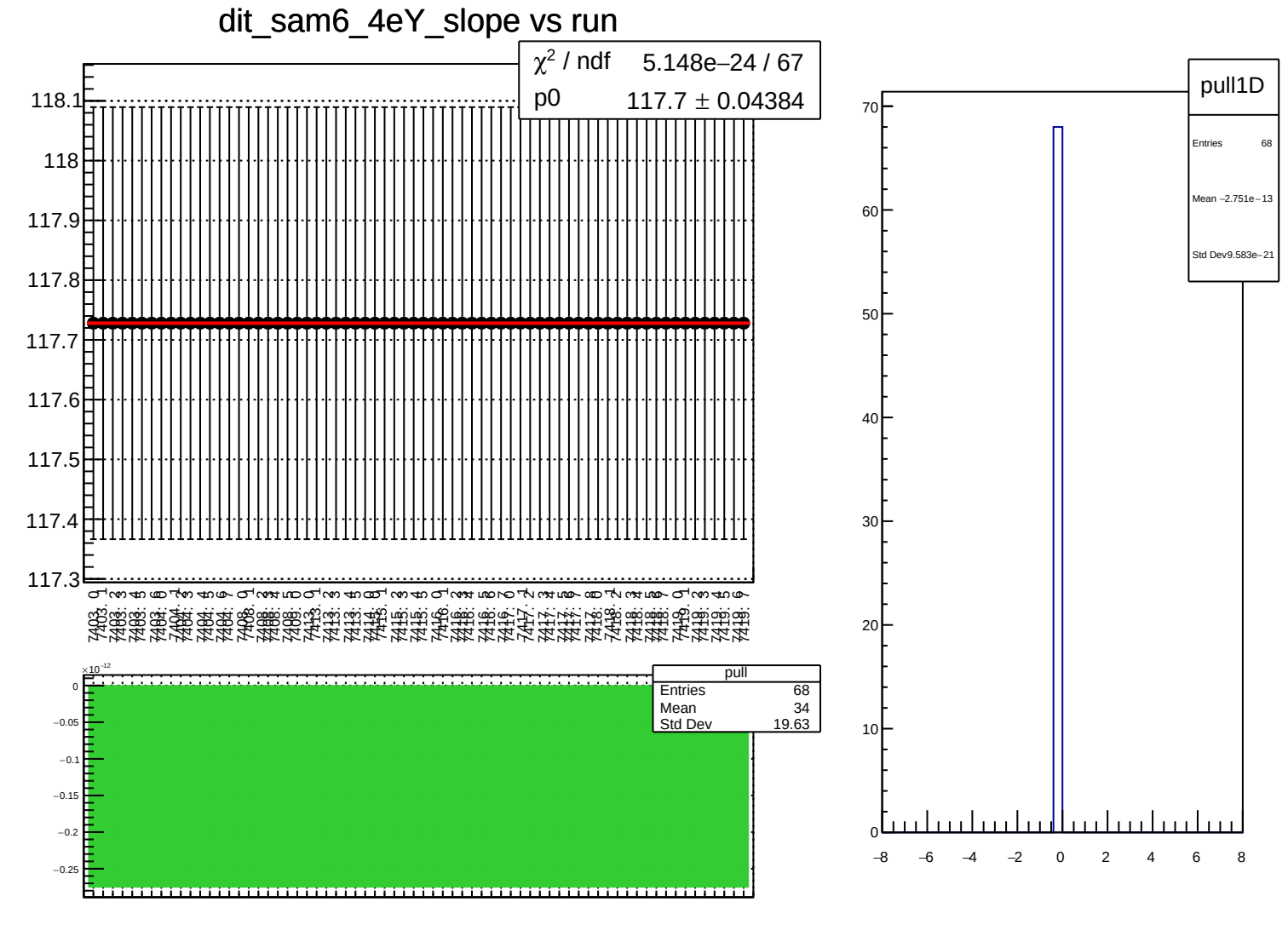

pull1D
Entries 68
Mean 1.614e−14
Std Dev5.187e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

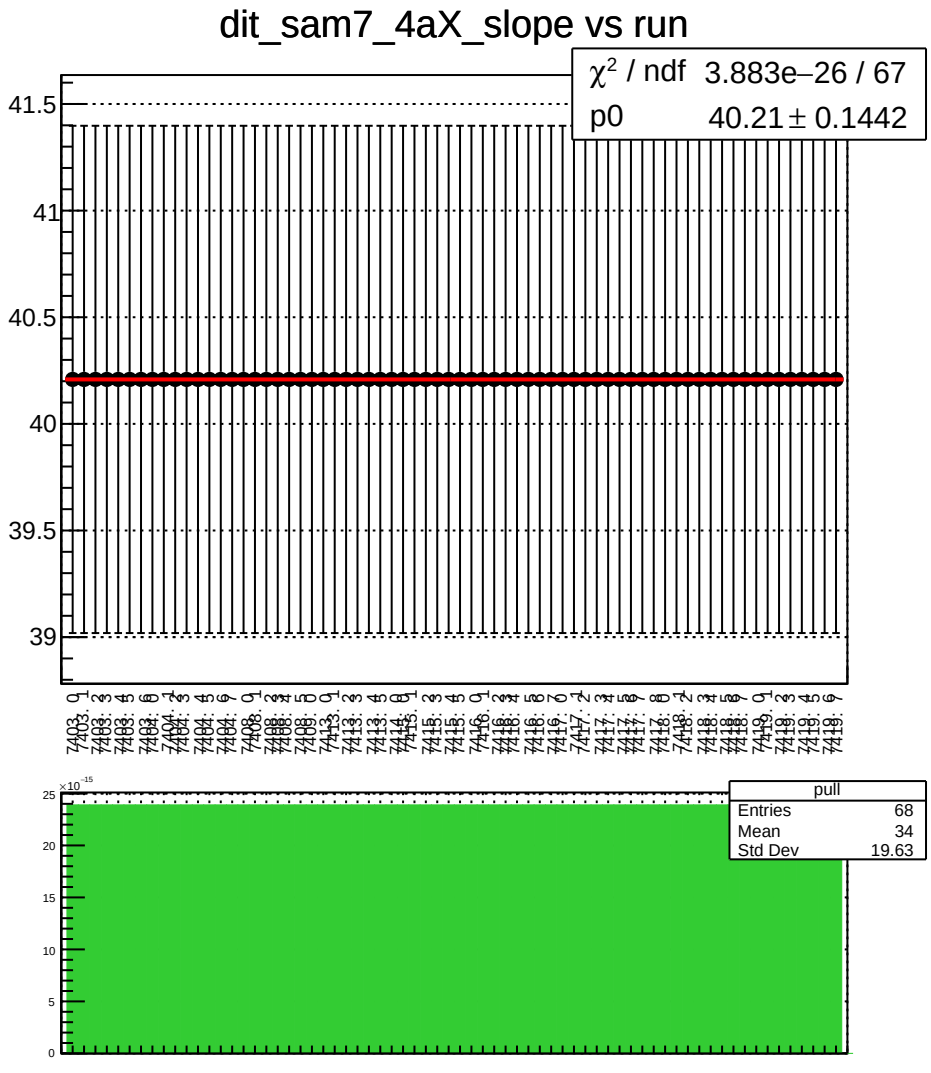

dit_sam6_4eX_slope vs run
χ^2 / ndf 6.536e−26 / 67
p0 51.86 ± 0.1945
pull
Entries 68
Mean 34
Std Dev 19.63

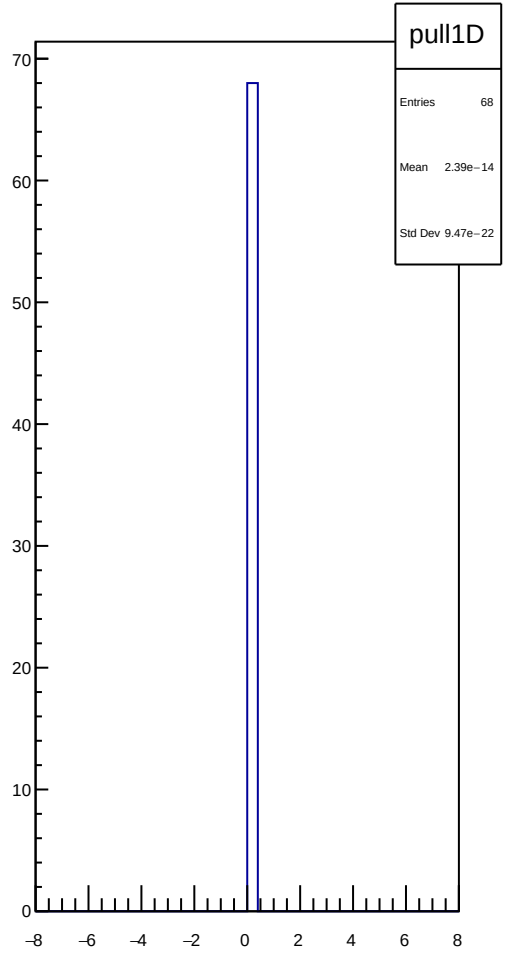

pull1D
Entries 68
Mean 3.1e−14
Std Dev 4.235e−22

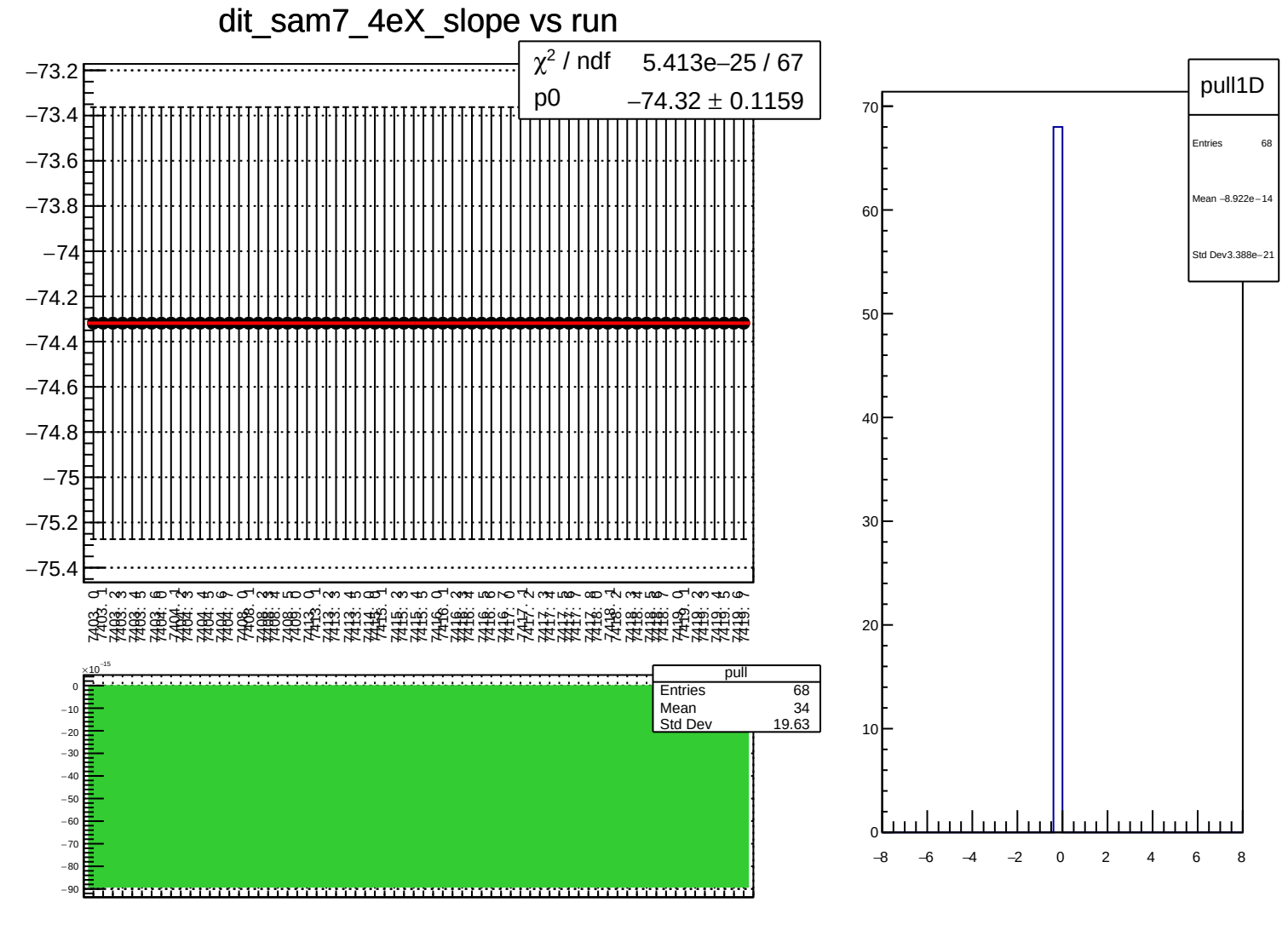

dit_sam6_11X12X_slope vs run
χ² / ndf 1.155e−26 / 67
p0 0.4793 ± 0.004133
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 1.303e−14
Std Dev 4.966e−22

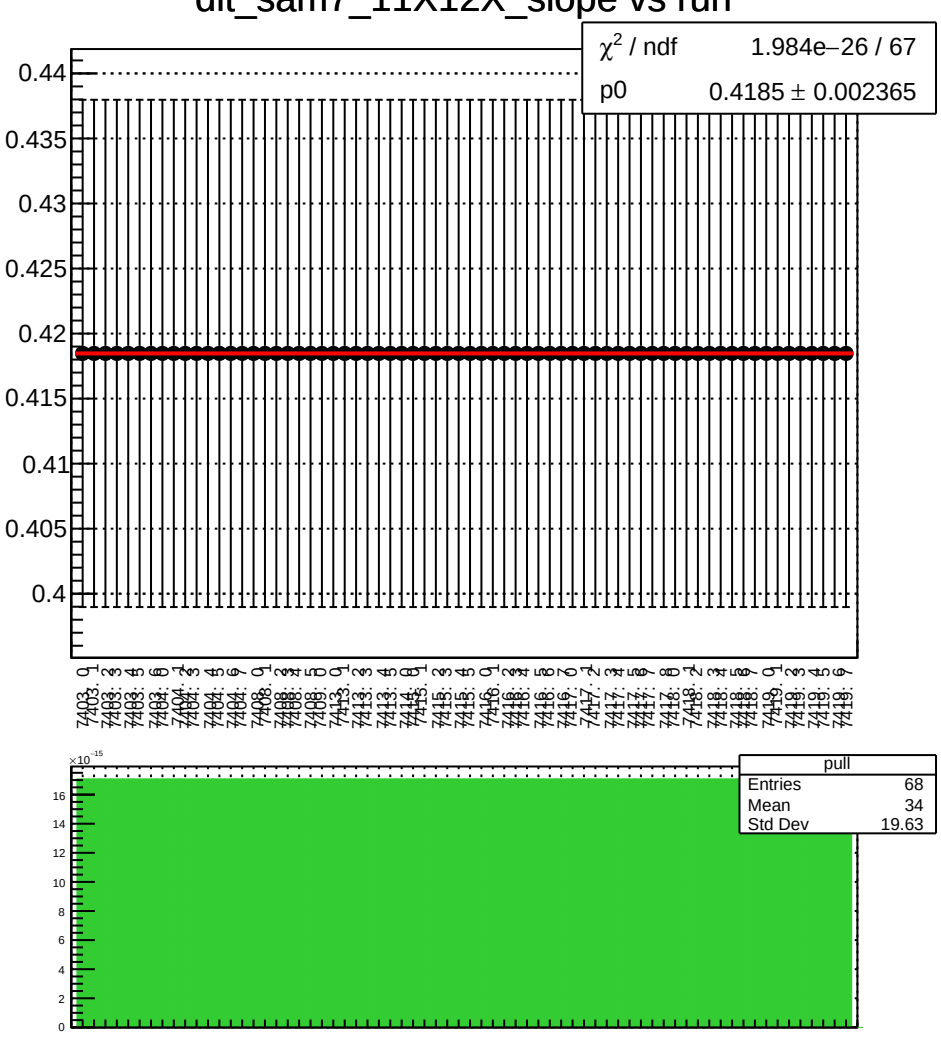

dit_sam6_4aY_slope vs run
χ² / ndf 6.253e−25 / 67
p0 11.69 ± 0.02471
11.9
11.85
11.8
11.75
11.7
11.65
11.6
11.55
11.5
11.45
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 68
Mean −9.589e−14
Std Dev3.169e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

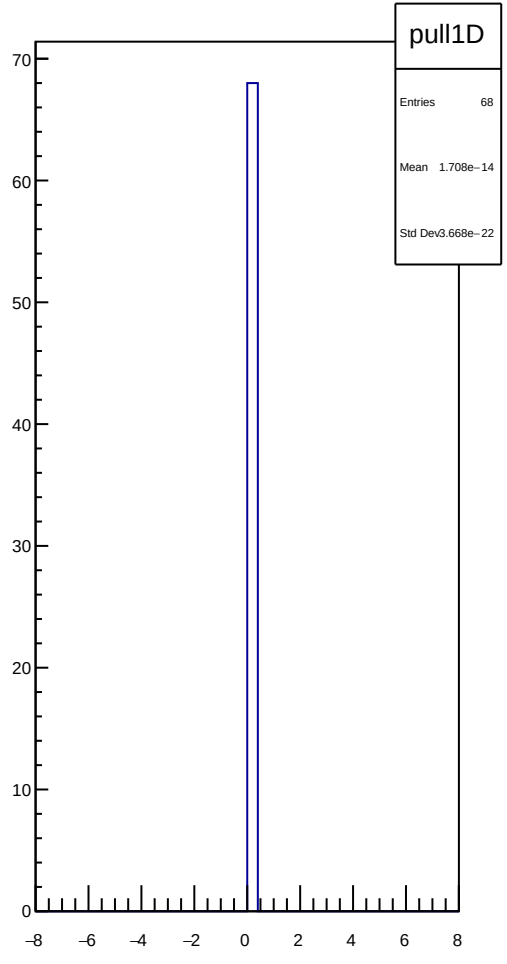

dit_sam6_4eY_slope vs run
χ² / ndf 5.148e−24 / 67
p0 117.7 ± 0.04384
118.1
118
117.9
117.8
117.7
117.6
117.5
117.4
117.3
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 68
Mean −2.751e−13
Std Dev9.583e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

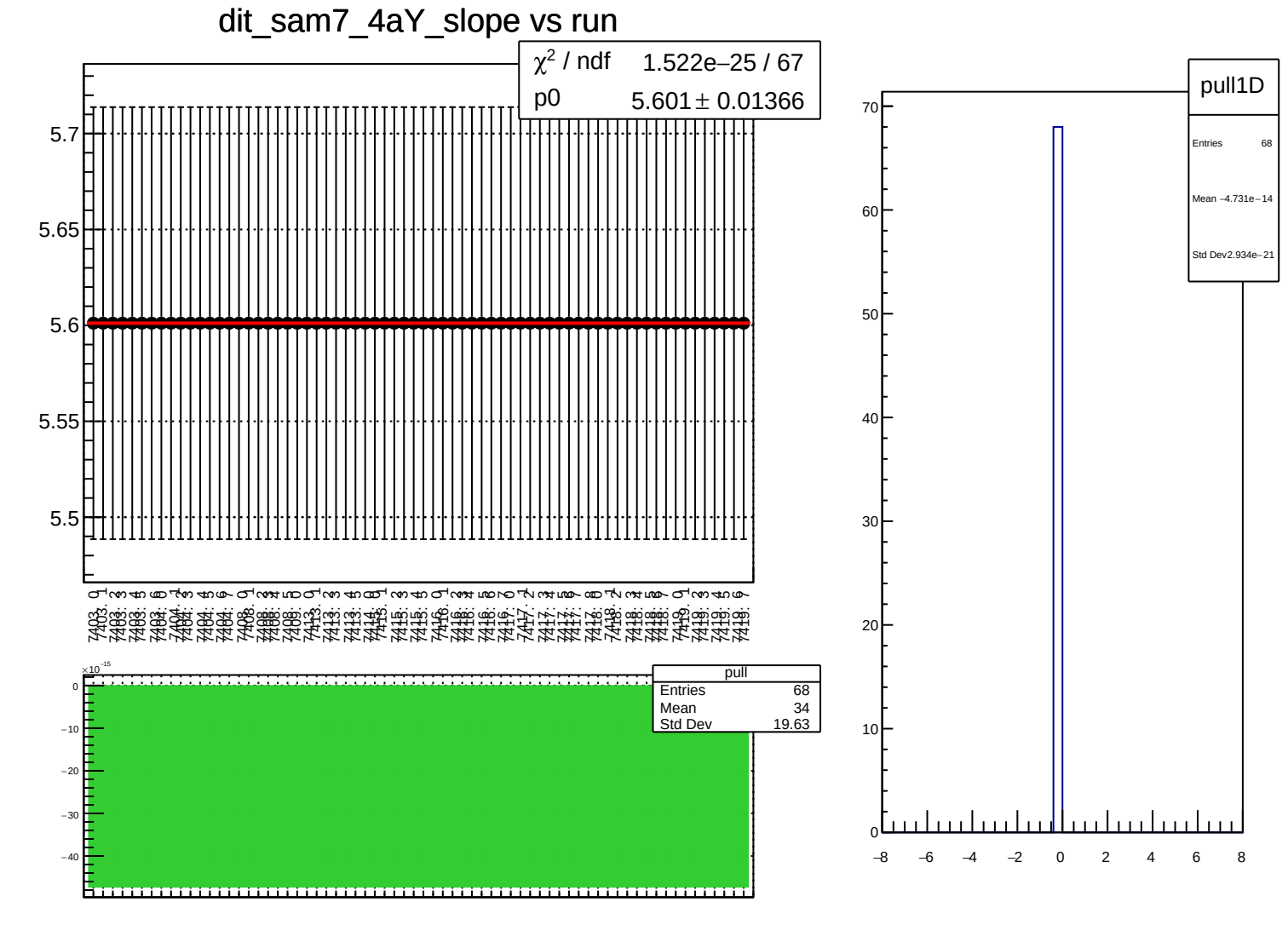

dit_sam7_4aX_slope vs run
χ² / ndf 3.883e−26 / 67
p0 40.21 ± 0.1442
41.5
41
40.5
40
39.5
39
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
25
20
15
10
5
0

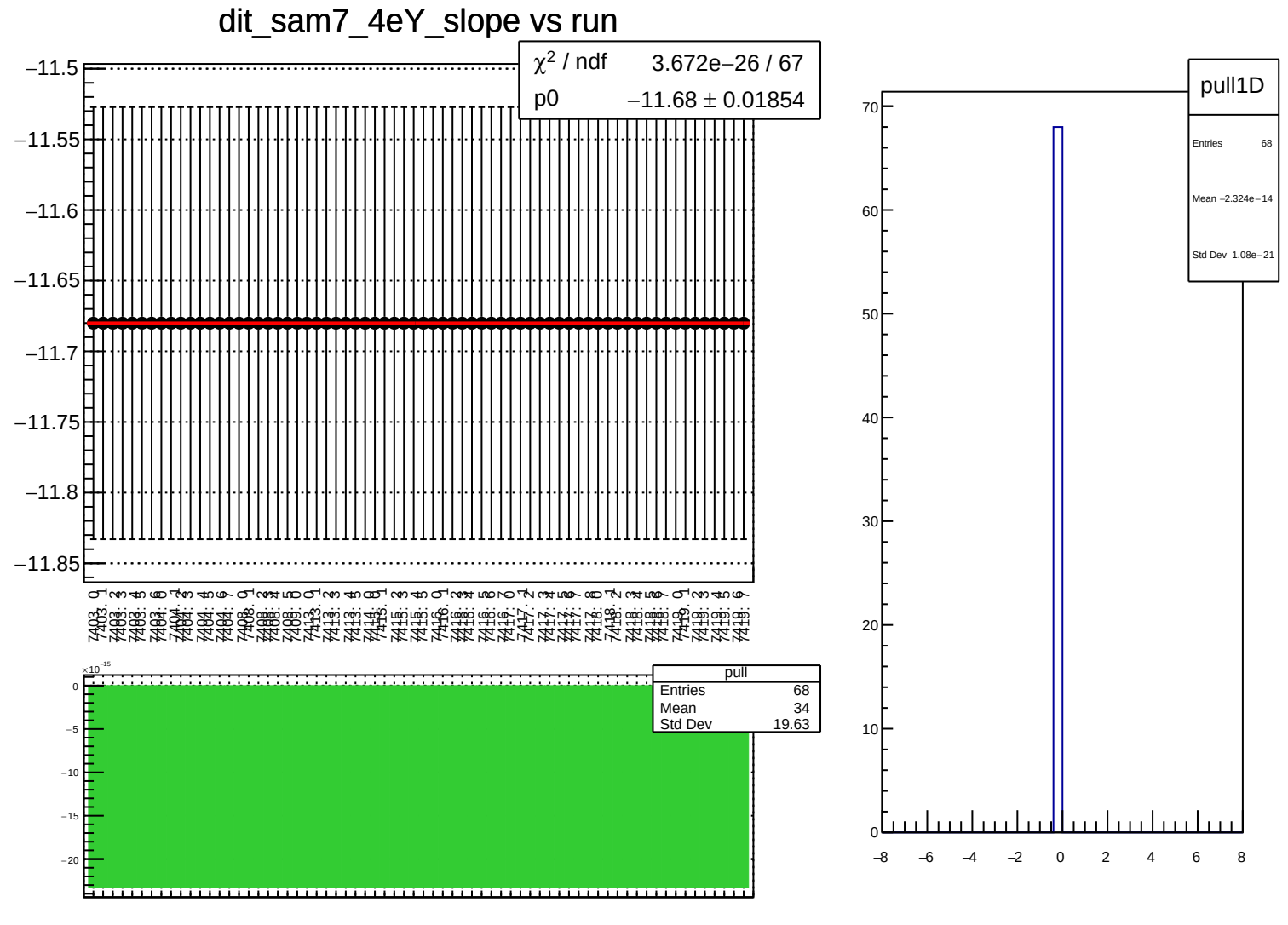

pull1D
Entries 68
Mean 2.39e−14
Std Dev 9.47e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

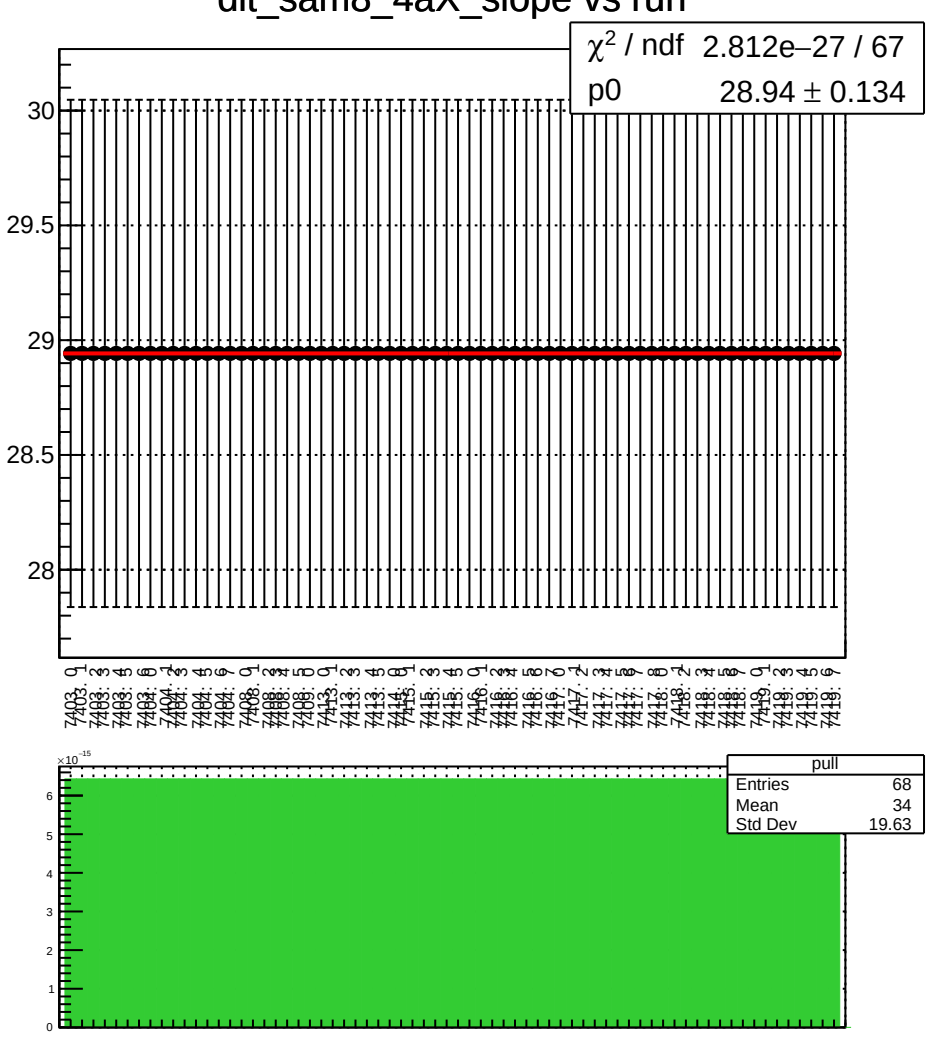

dit_sam7_4eX_slope vs run
χ² / ndf 5.413e−25 / 67
p0 −74.32 ± 0.1159
−73.2
−73.4
−73.6
−73.8
−74
−74.2
−74.4
−74.6
−74.8
−75
−75.2
−75.4
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 68
Mean −8.922e−14
Std Dev3.388e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

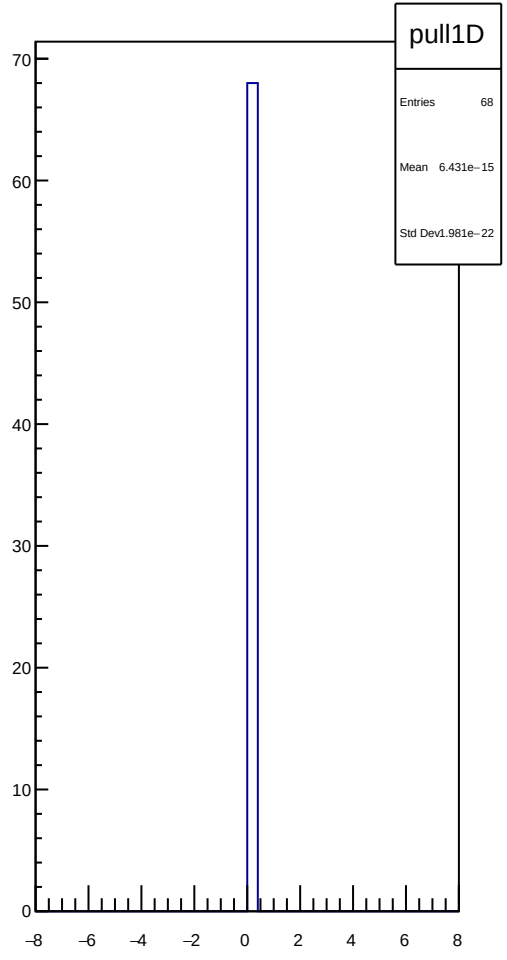

dit_sam7_11X12X_slope vs run
χ² / ndf 1.984e−26 / 67
p0 0.4185 ± 0.002365
0.44
0.435
0.43
0.425
0.42
0.415
0.41
0.405
0.4
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

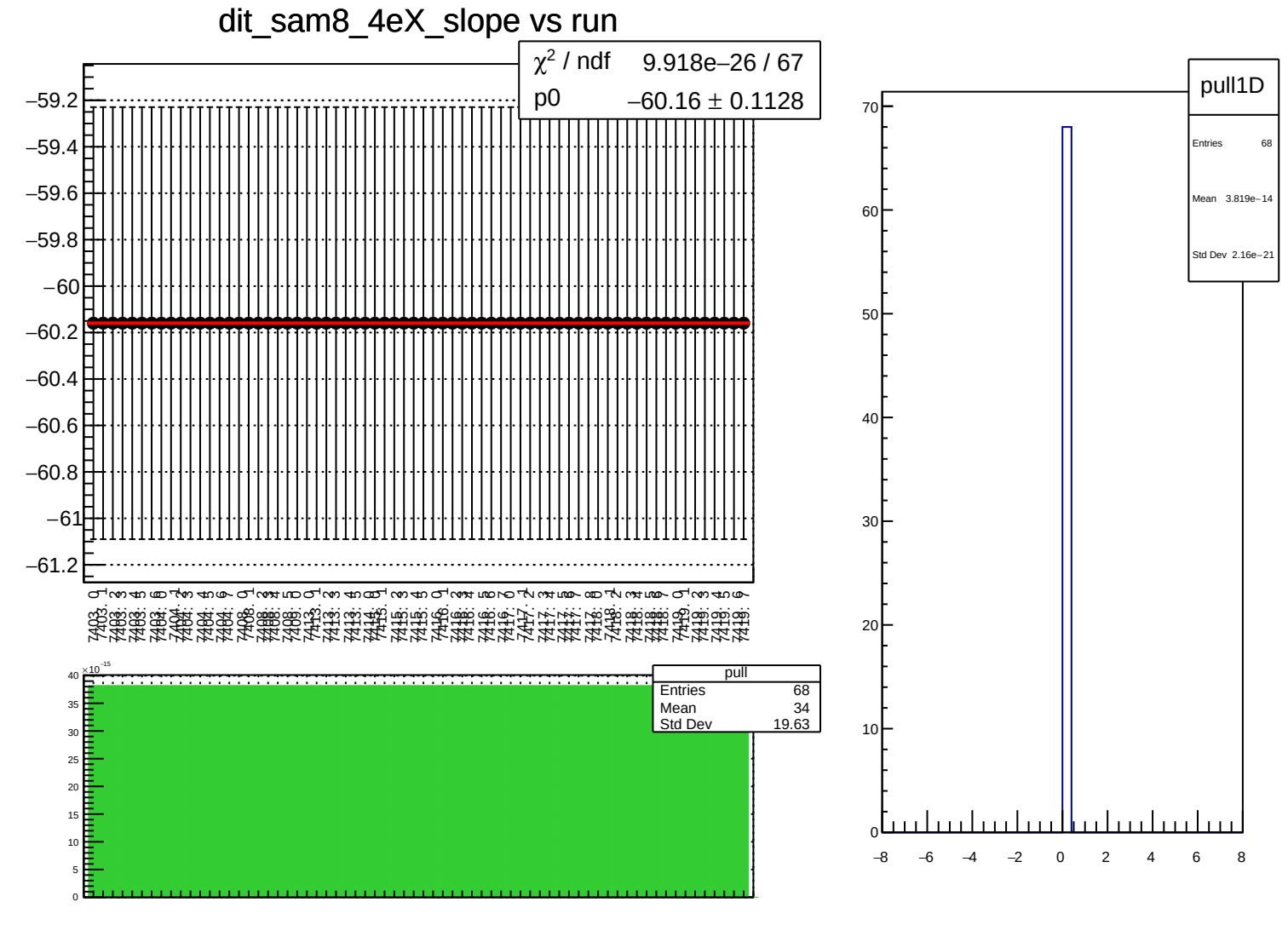

pull1D
Entries 68
Mean 1.708e−14
Std Dev 3.668e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

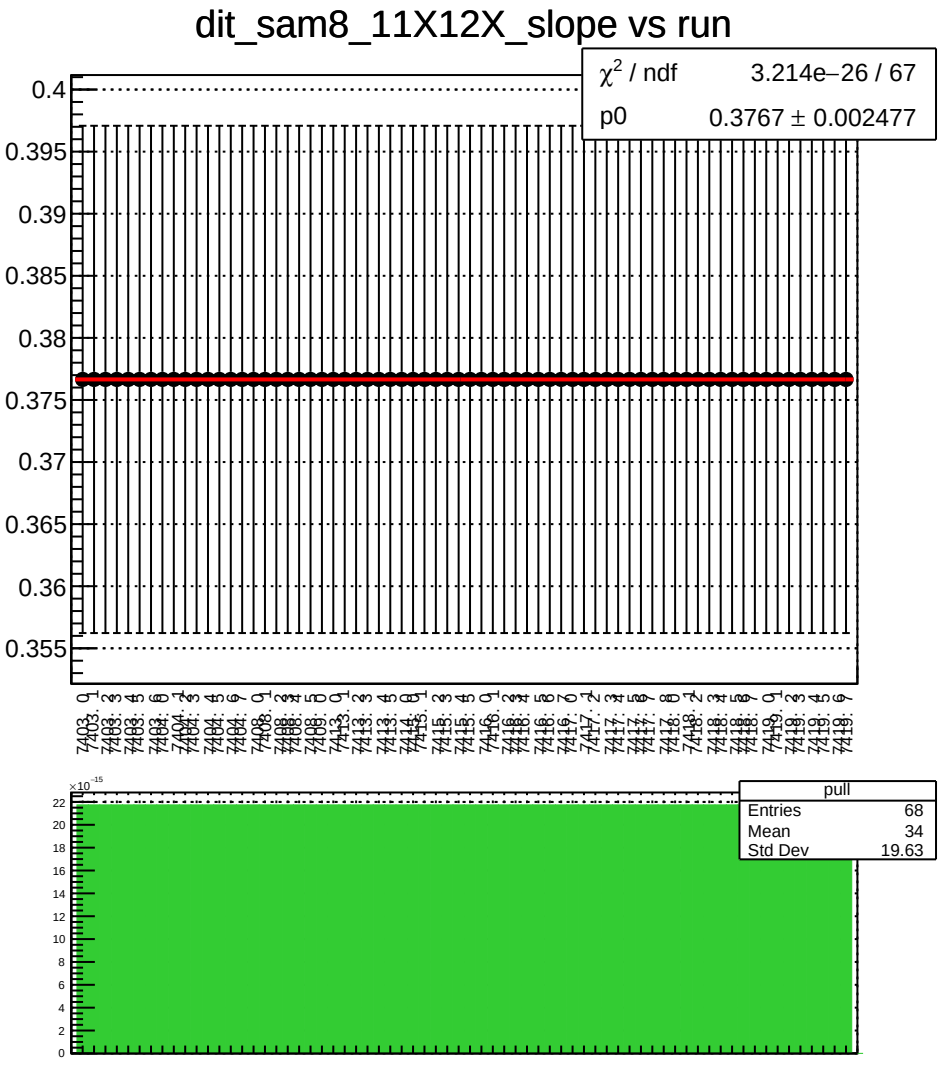

dit_sam7_4aY_slope vs run
χ² / ndf 1.522e−25 / 67
p0 5.601 ± 0.01366
5.7
5.65
5.6
5.55
5.5
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 68
Mean −4.731e−14
Std Dev2.934e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

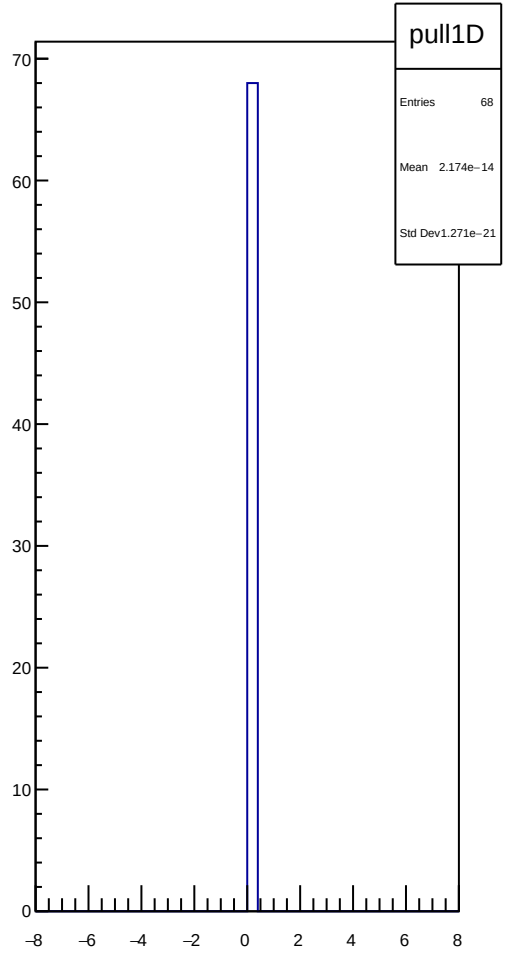

dit_sam7_4eY_slope vs run
χ² / ndf 3.672e−26 / 67
p0 −11.68 ± 0.01854
−11.5
−11.55
−11.6
−11.65
−11.7
−11.75
−11.8
−11.85
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 68
Mean −2.324e−14
Std Dev 1.08e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

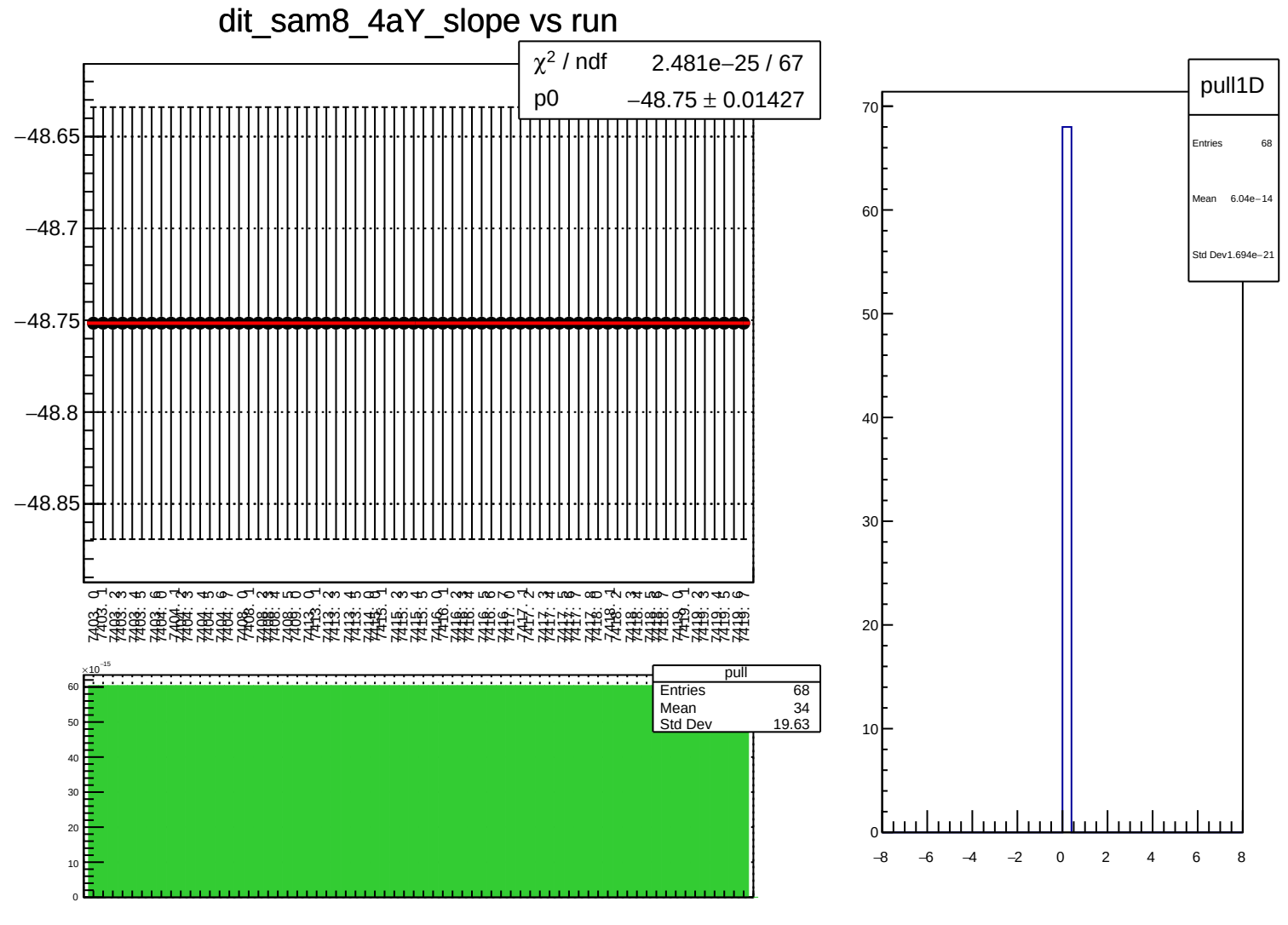

dit_sam8_4aX_slope vs run
χ^2 / ndf 2.812e−27 / 67
p0 28.94 ± 0.134
30
29.5
29
28.5
28
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
6
5
4
3
2
1
0

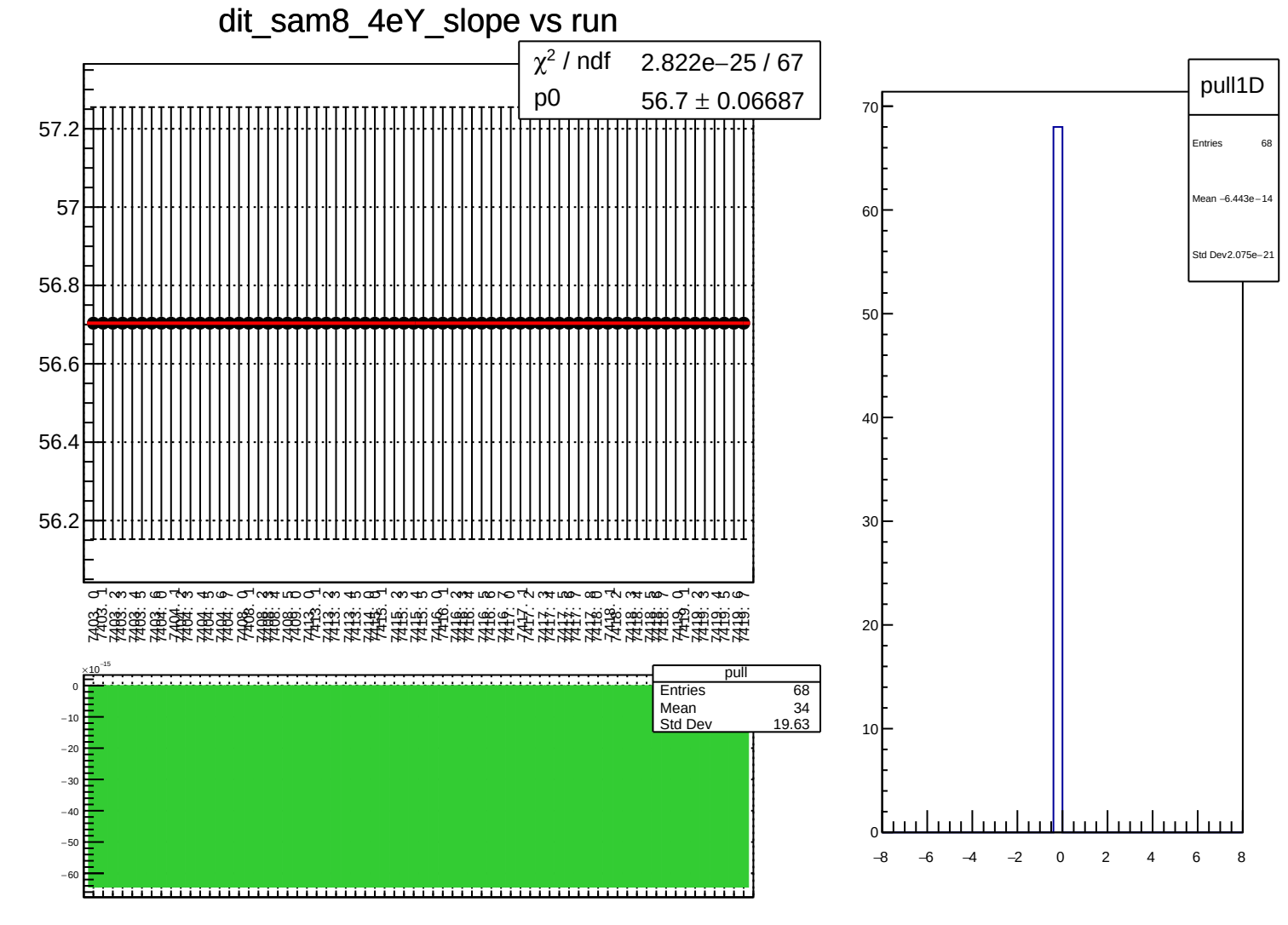

pull1D
Entries 68
Mean 6.431e−15
Std Dev1.981e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

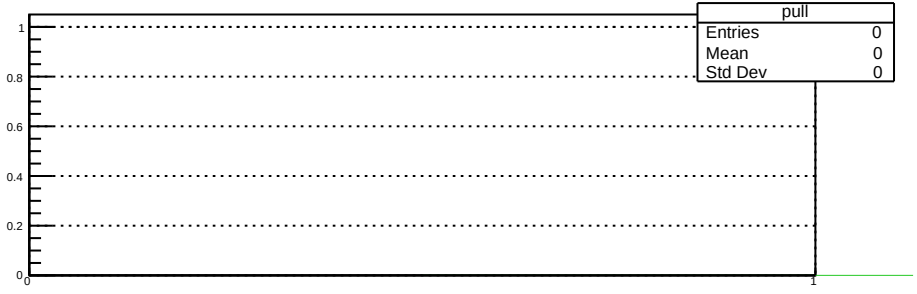

dit_sam8_4eX_slope vs run
χ² / ndf 9.918e−26 / 67
p0 −60.16 ± 0.1128
−59.2
−59.4
−59.6
−59.8
−60
−60.2
−60.4
−60.6
−60.8
−61
−61.2
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 3.819e−14
Std Dev 2.16e−21

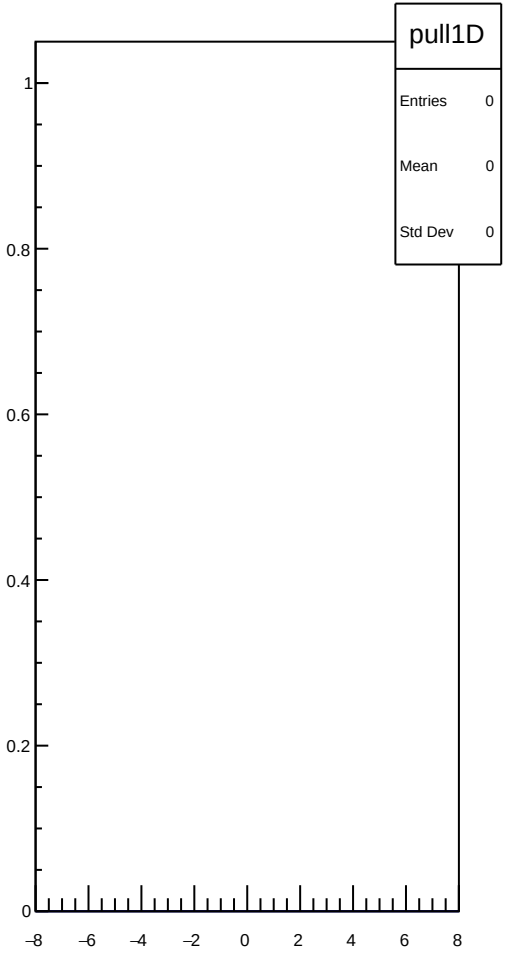

dit_sam8_11X12X_slope vs run
χ² / ndf 3.214e−26 / 67
p0 0.3767 ± 0.002477
pull
Entries 68
Mean 34
Std Dev 19.63

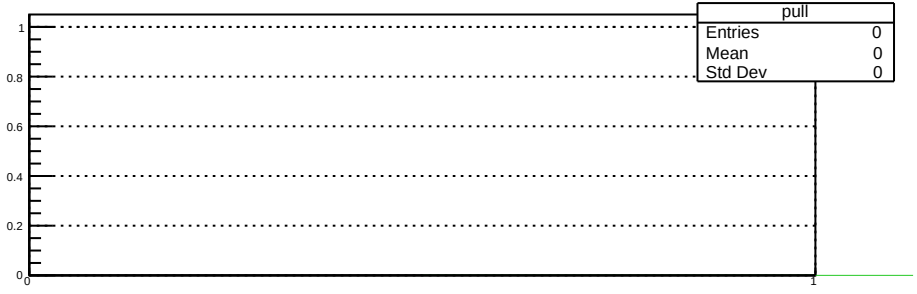

pull1D
Entries 68
Mean 2.174e−14
Std Dev1.271e−21


dit_sam8_4aY_slope vs run
χ² / ndf 2.481e−25 / 67
p0 −48.75 ± 0.01427
−48.65
−48.7
−48.75
−48.8
−48.85
pull
Entries 68
Mean 34
Std Dev 19.63
pull1D
Entries 68
Mean 6.04e−14
Std Dev1.694e−21


dit_sam8_4eY_slope vs run
χ² / ndf 2.822e−25 / 67
p0 56.7 ± 0.06687
57.2
57
56.8
56.6
56.4
56.2
pull
Entries 68
Mean 34
Std Dev 19.63
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 68
Mean −6.443e−14
Std Dev2.075e−21
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
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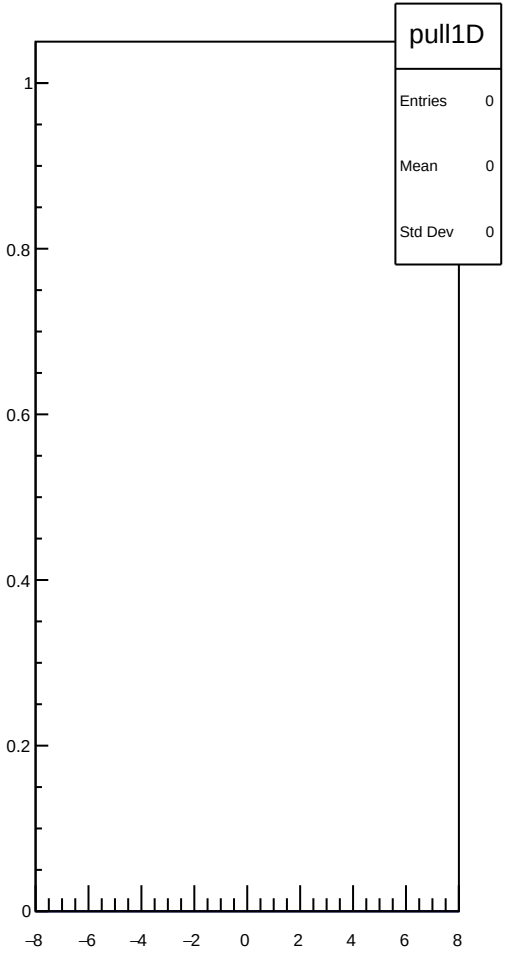
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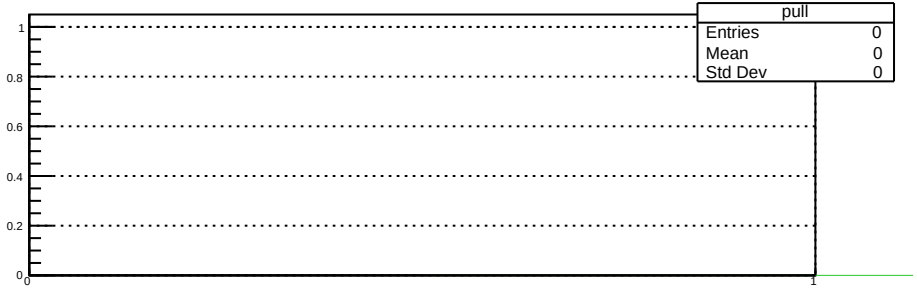
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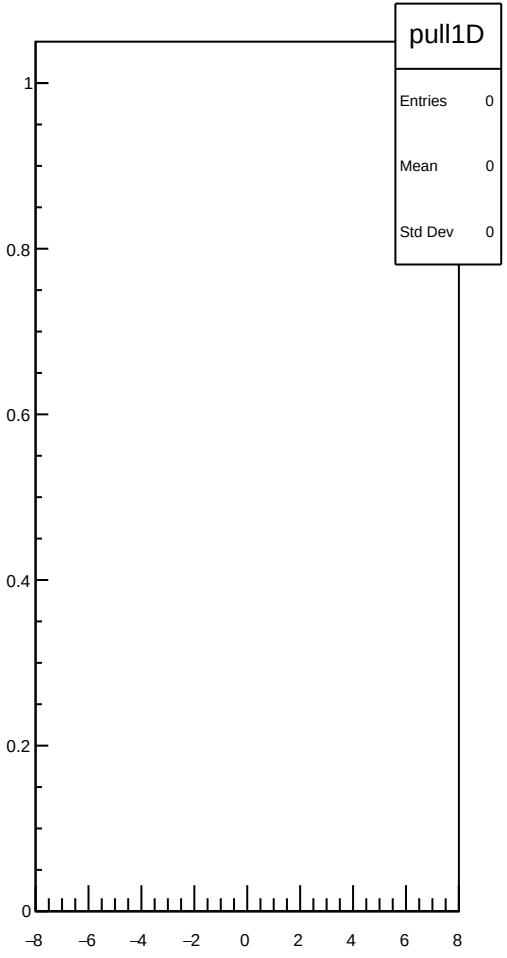
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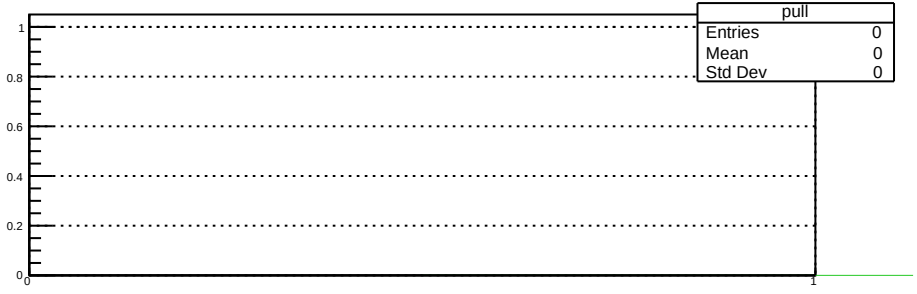
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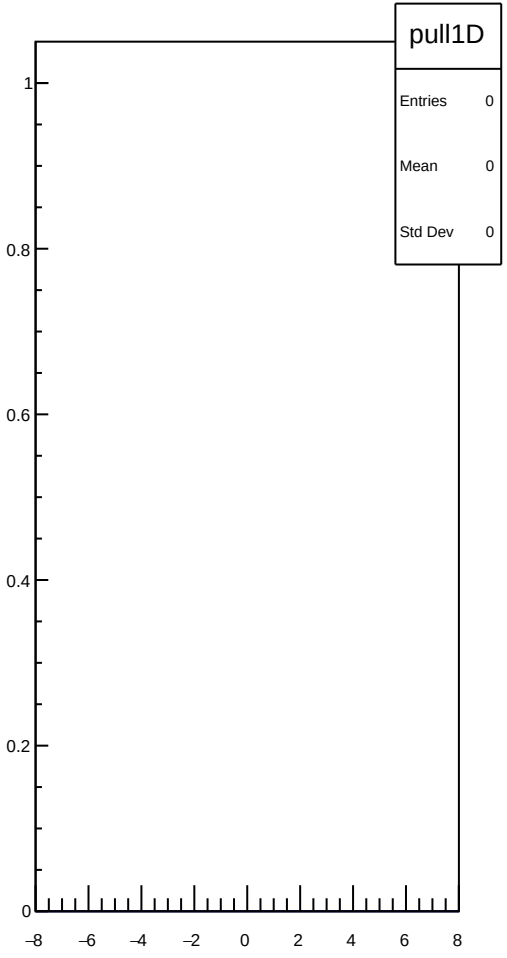
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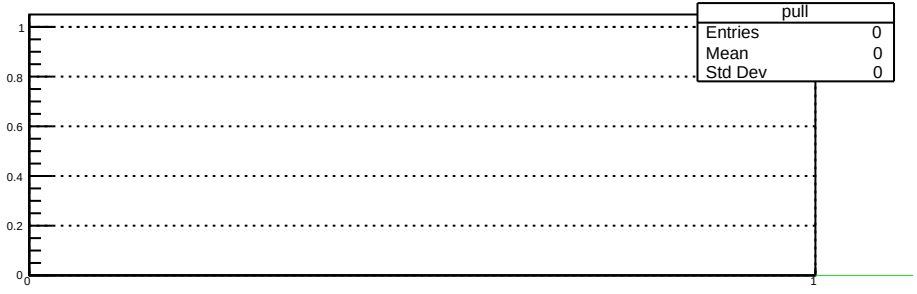
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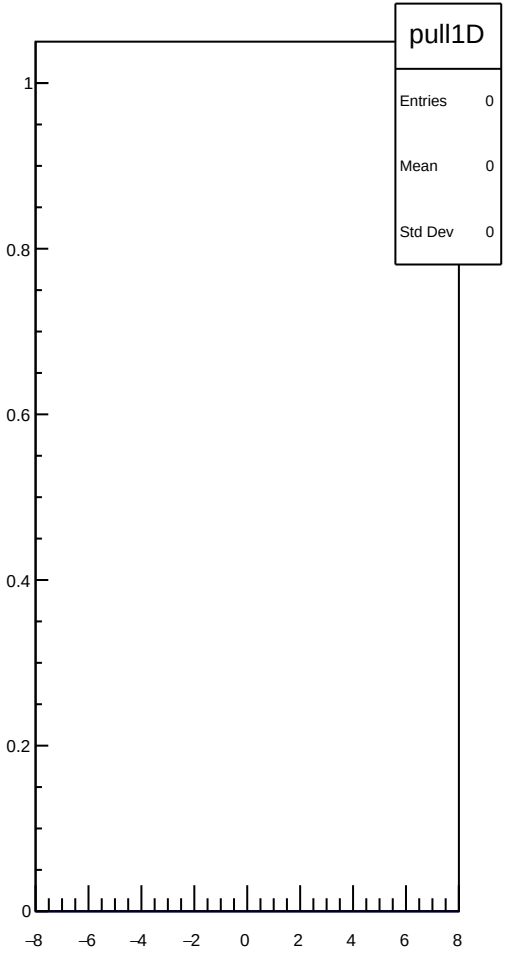
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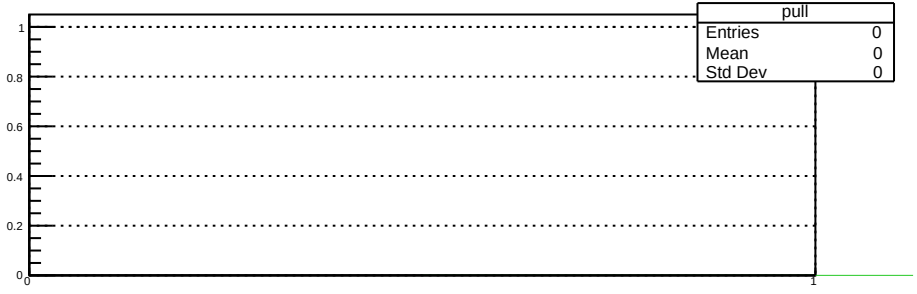
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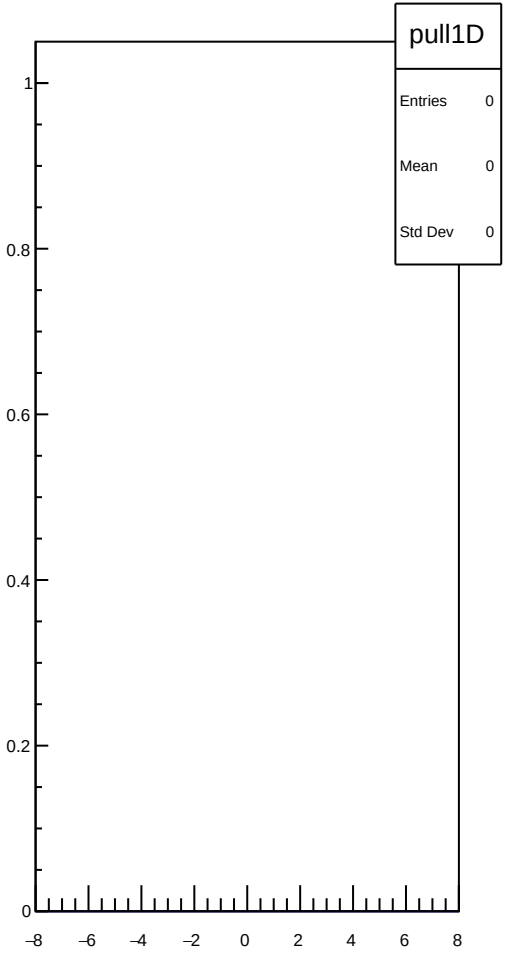
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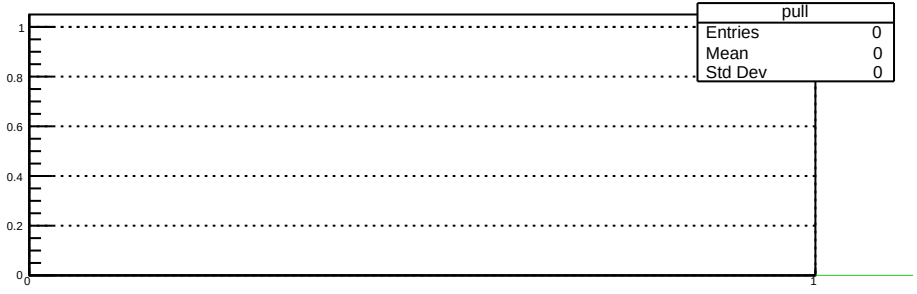
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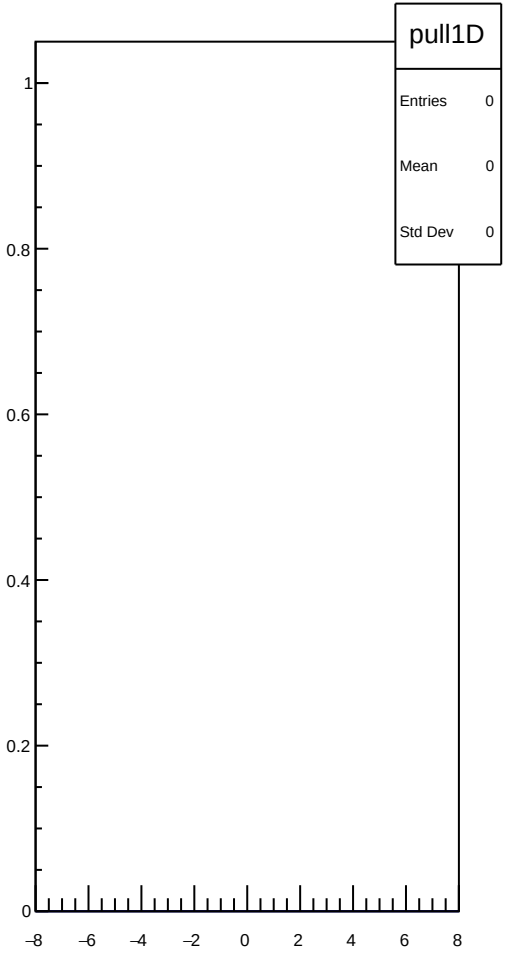
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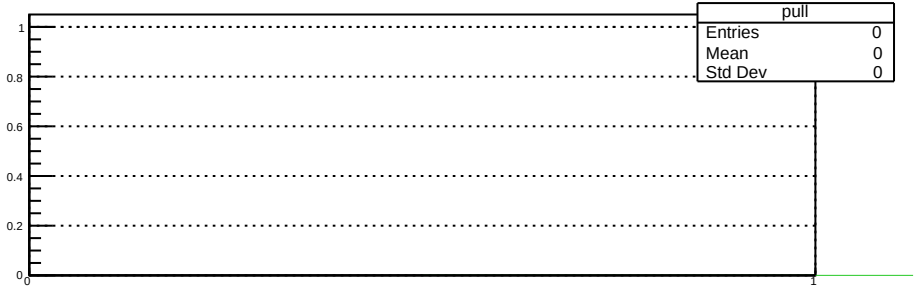
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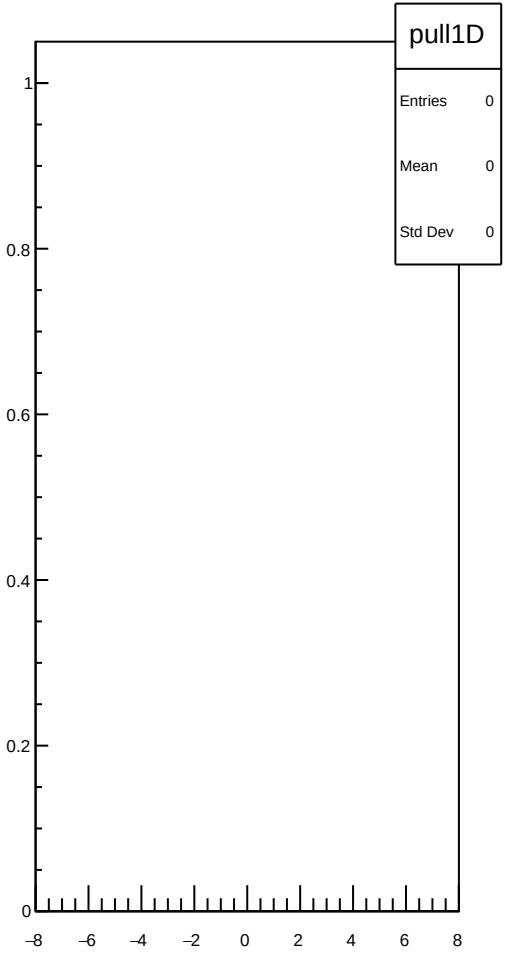
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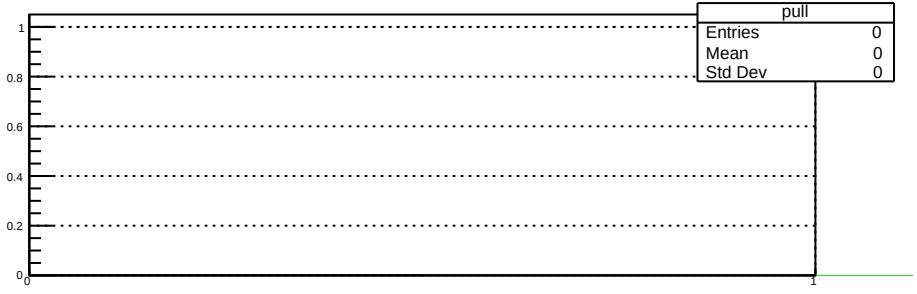
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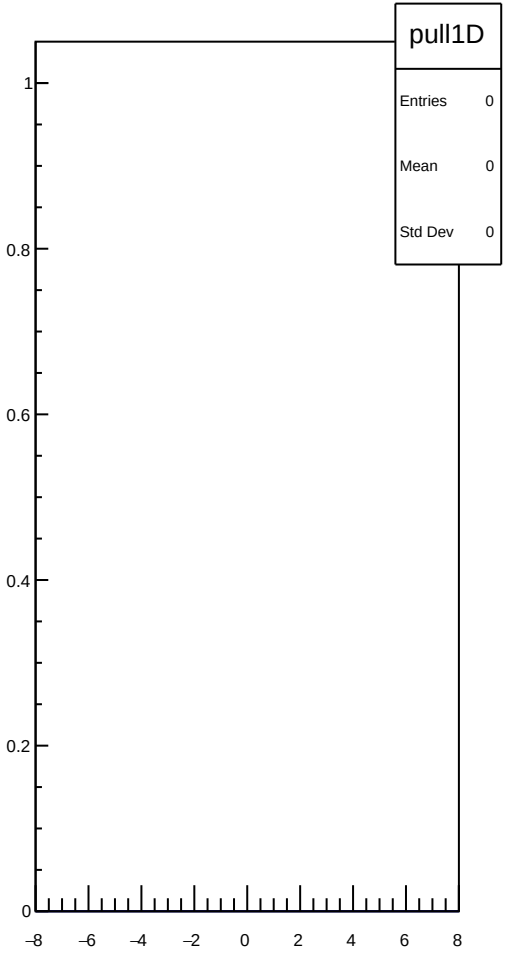
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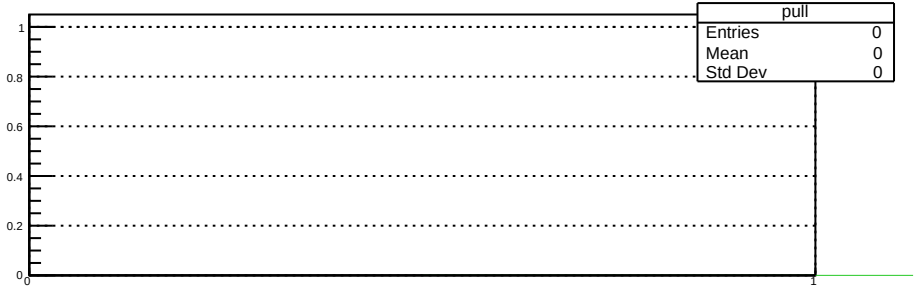
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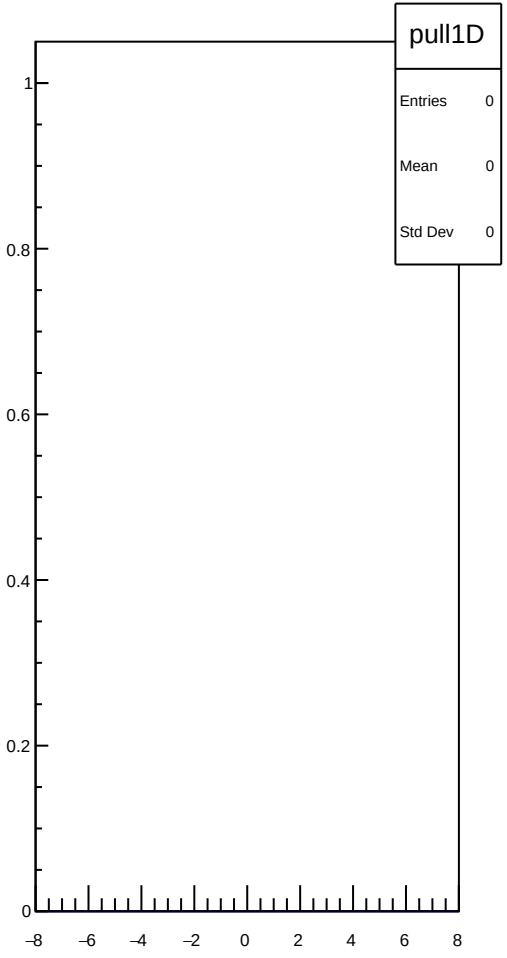
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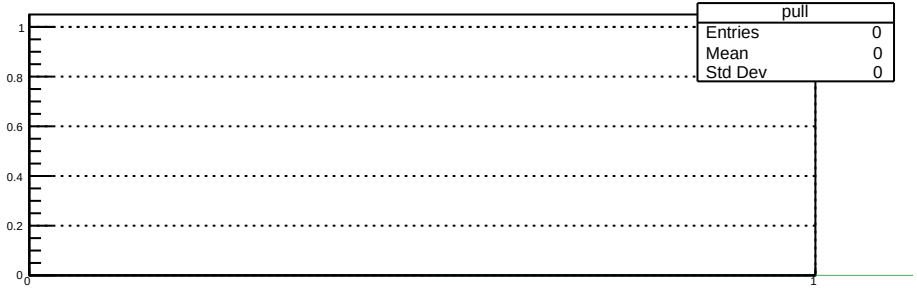
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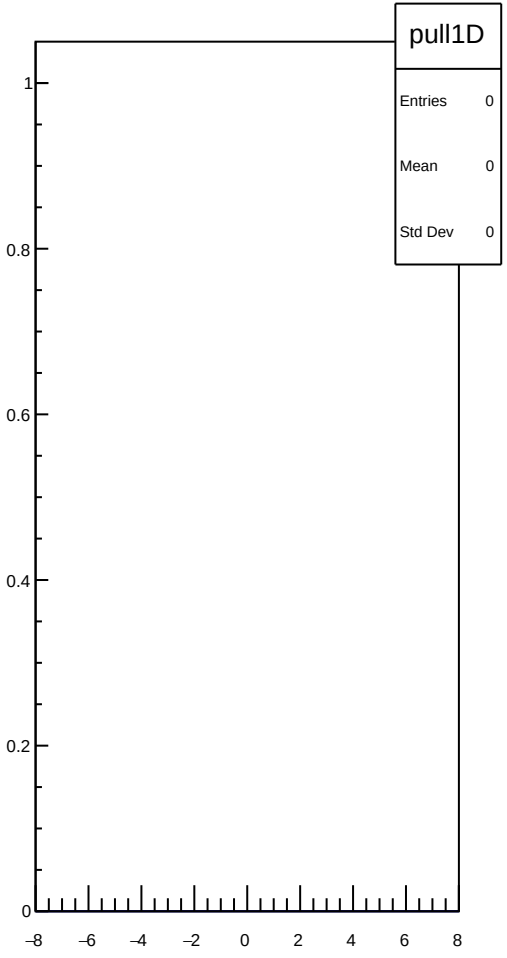
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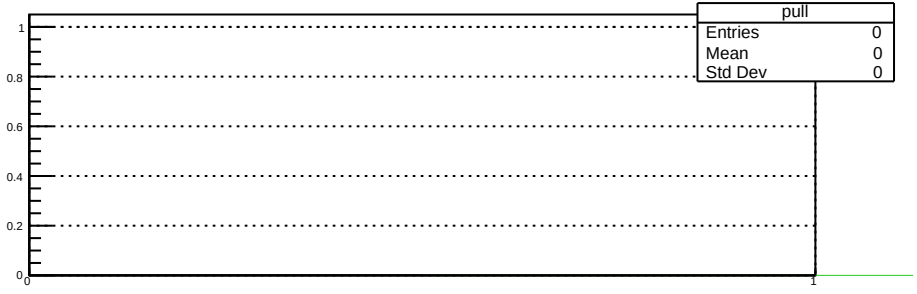
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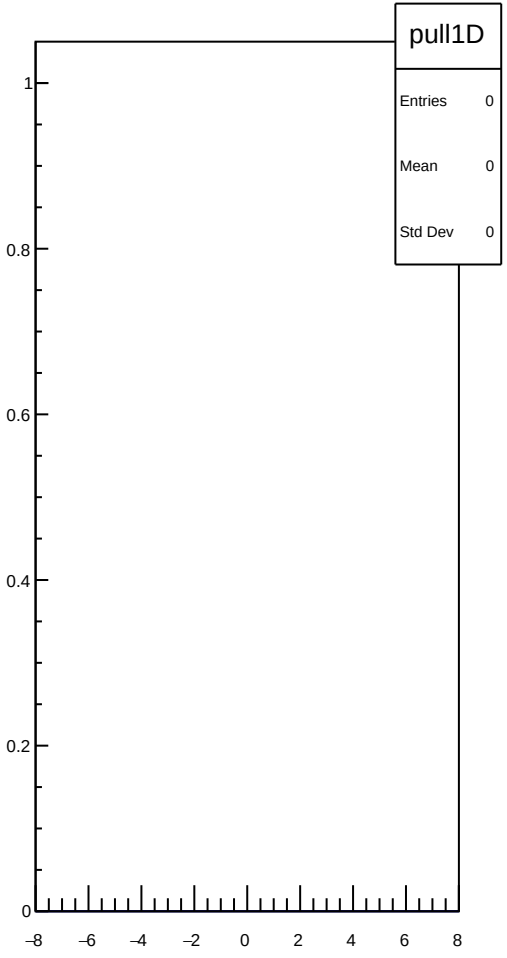
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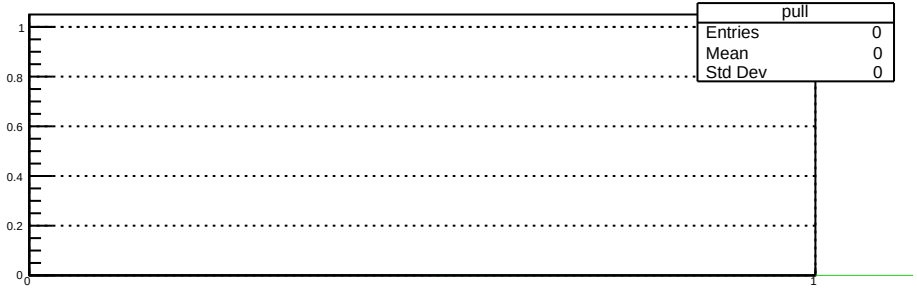
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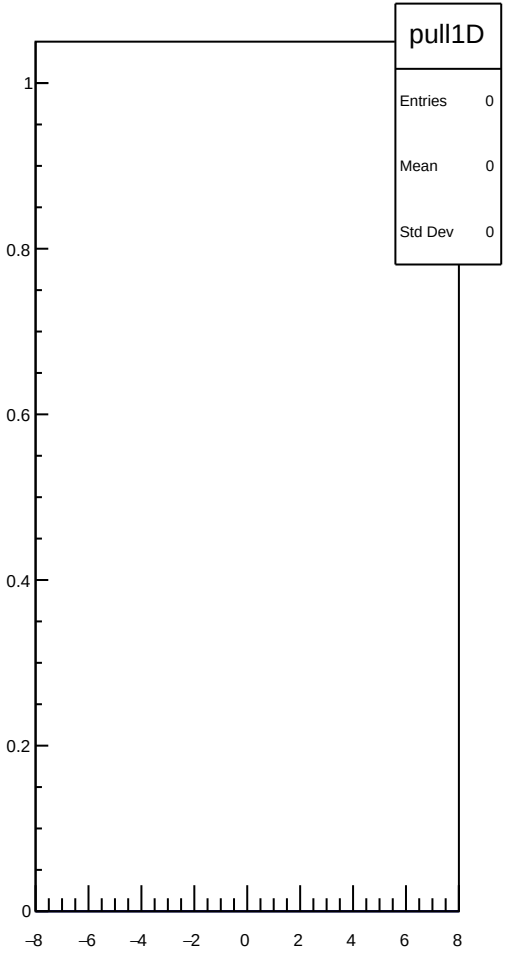
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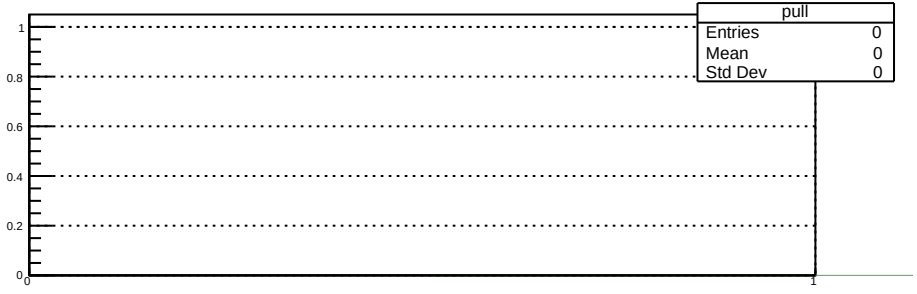
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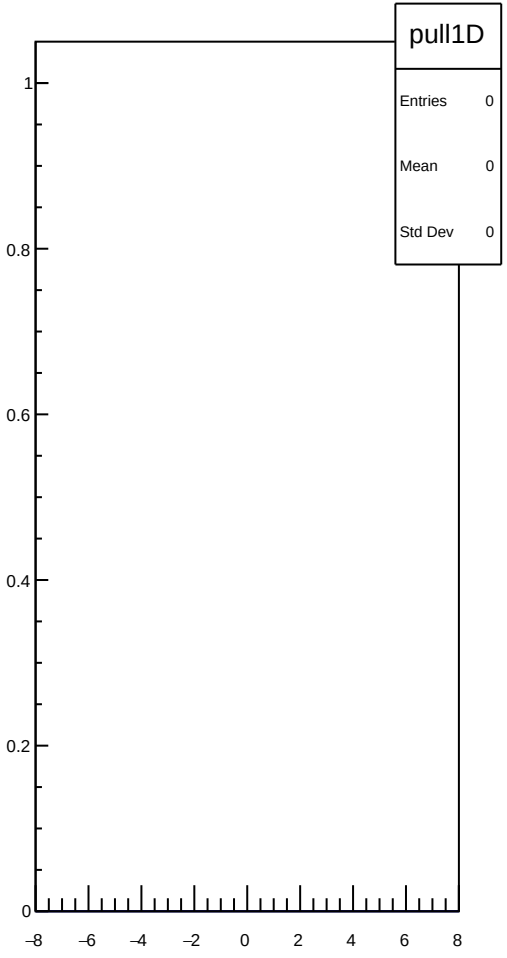
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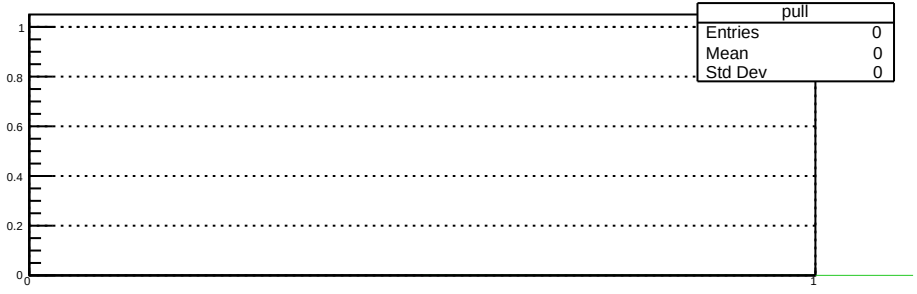
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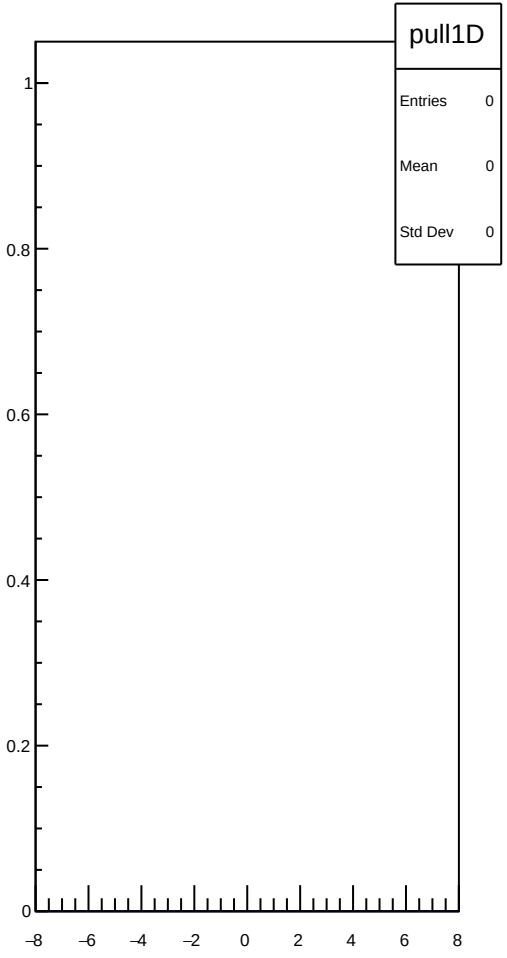
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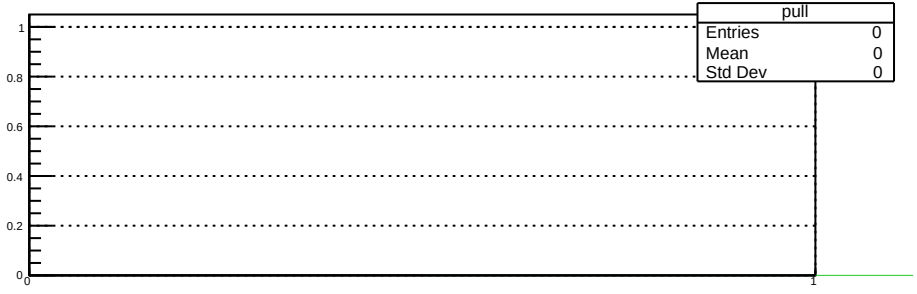
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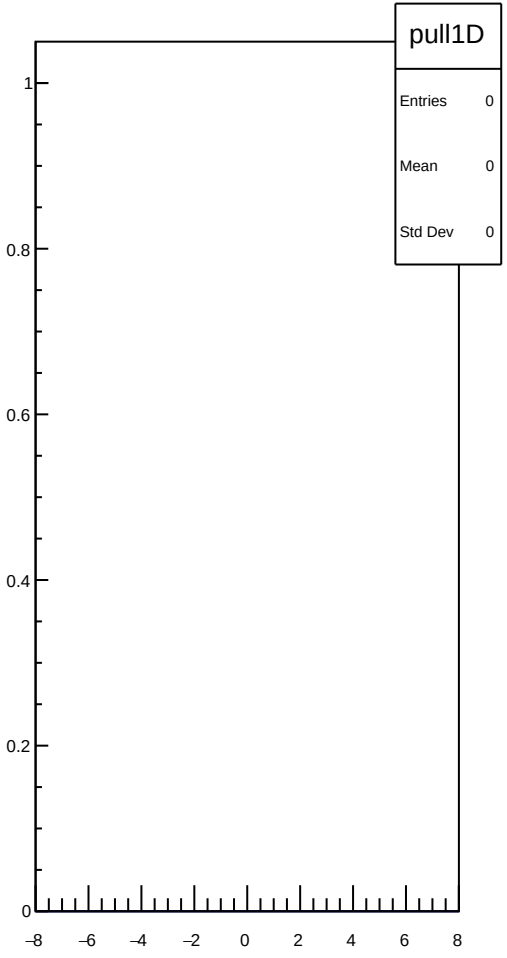
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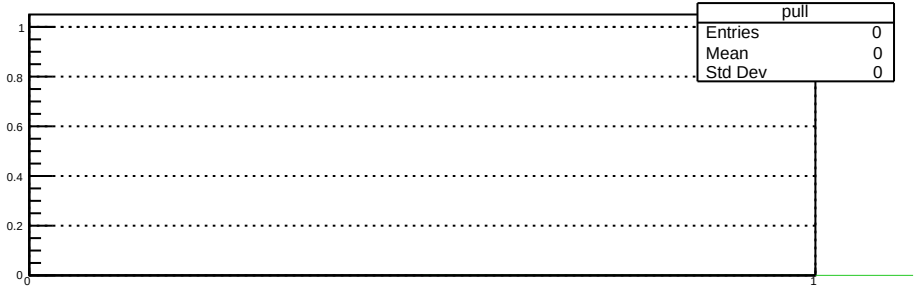
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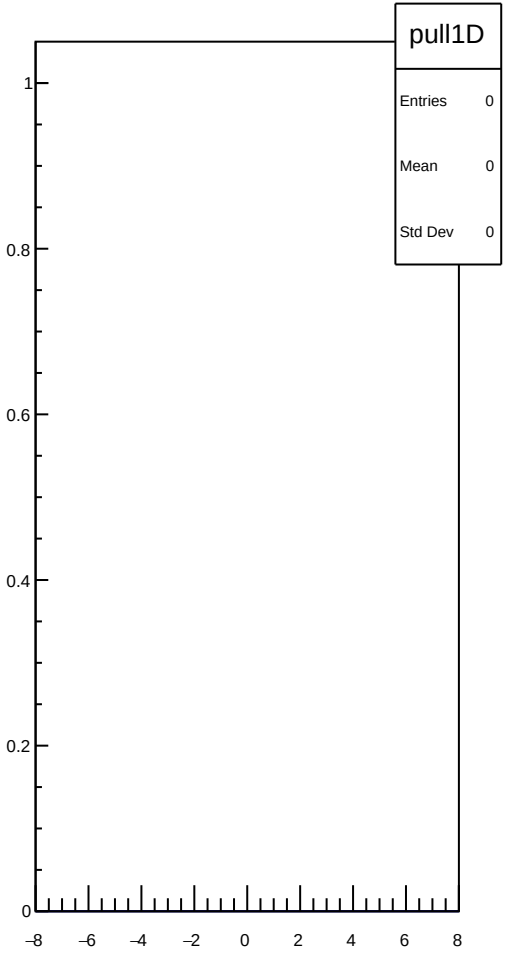
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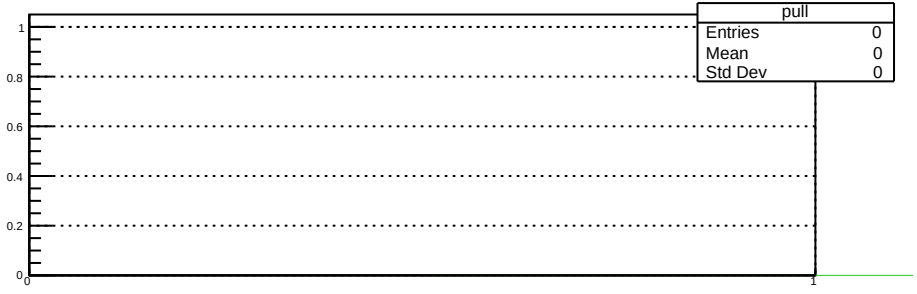
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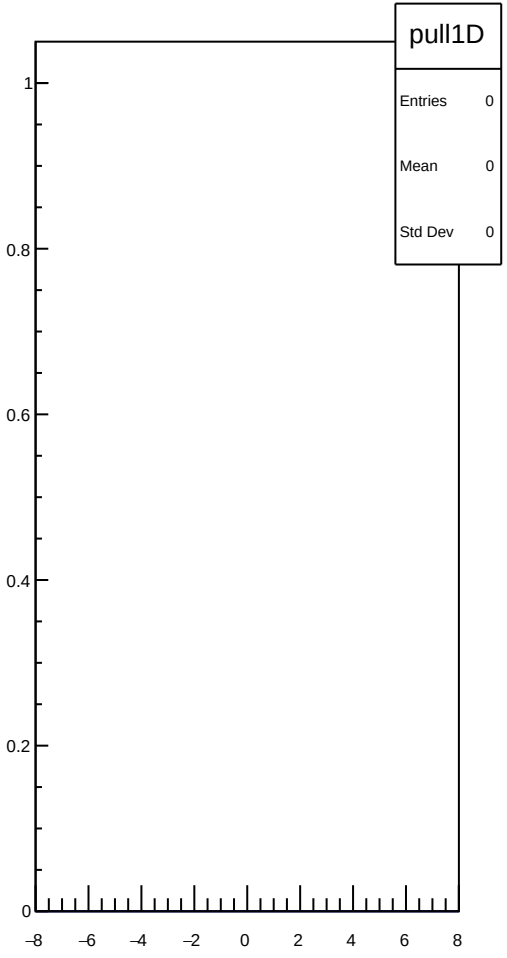
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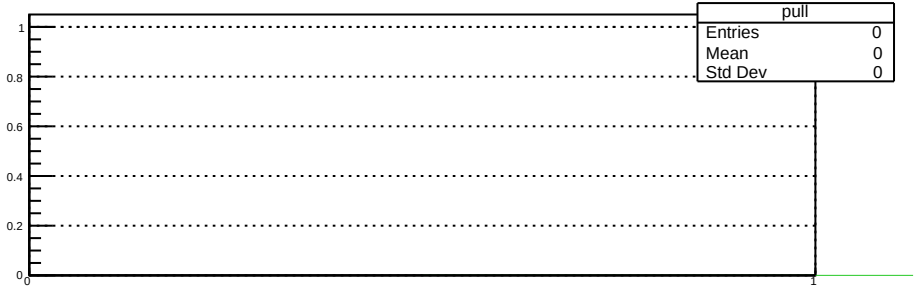
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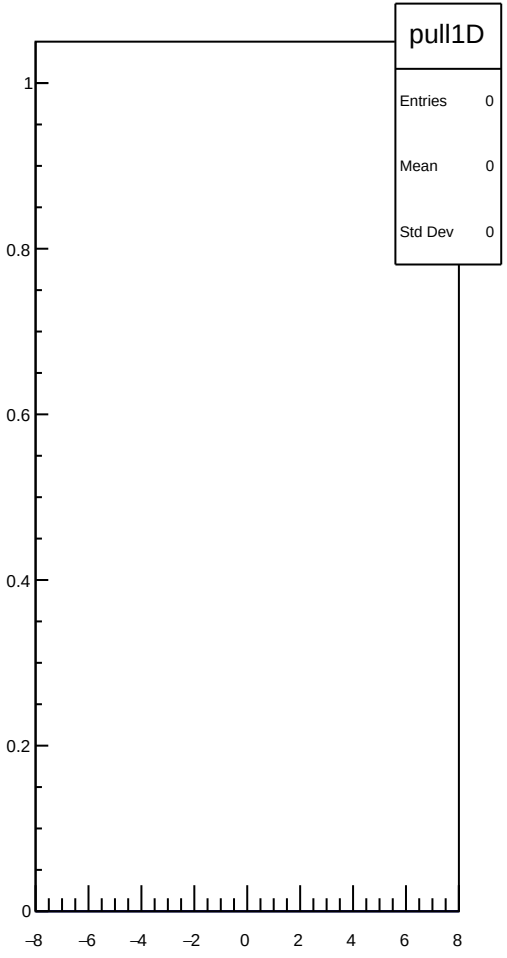
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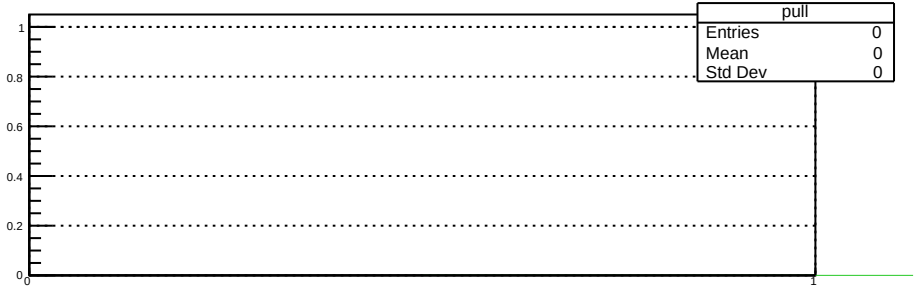
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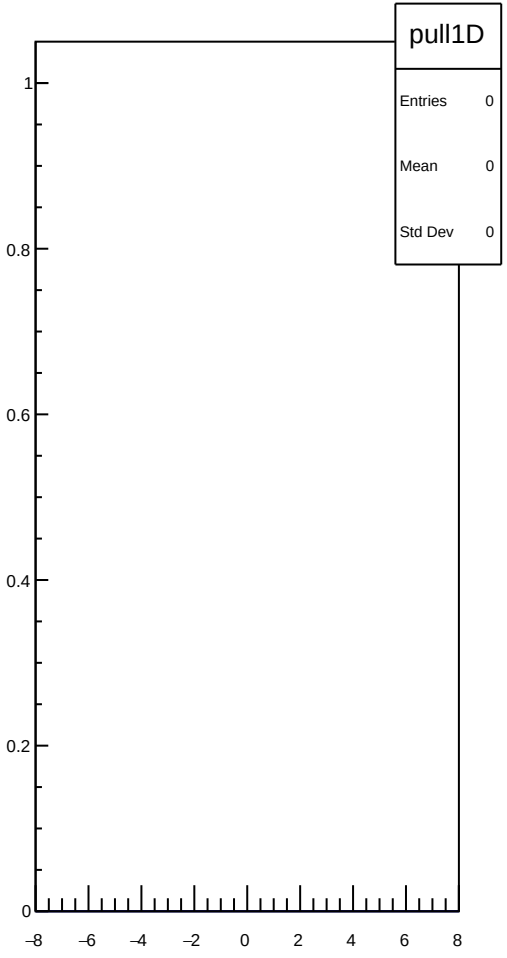
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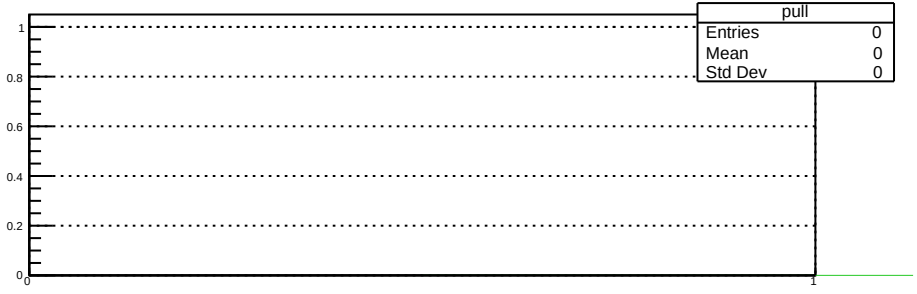
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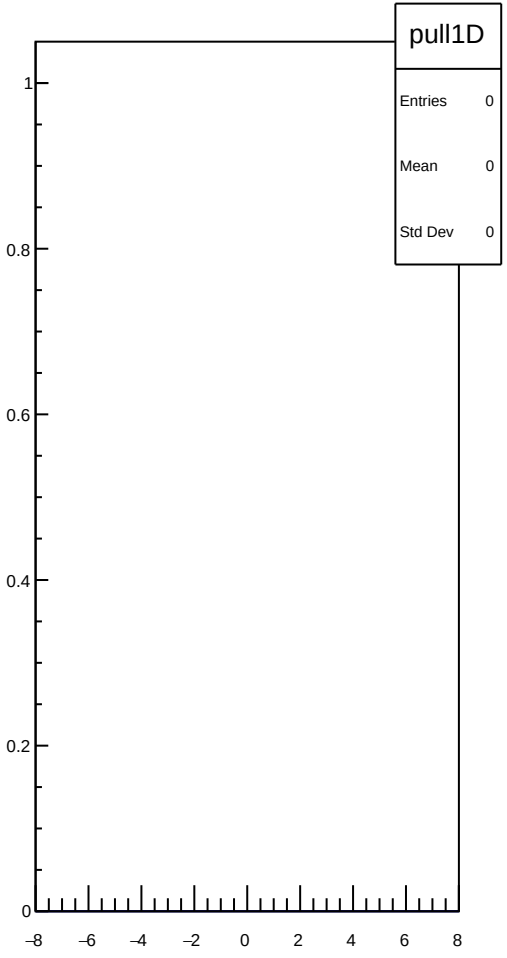
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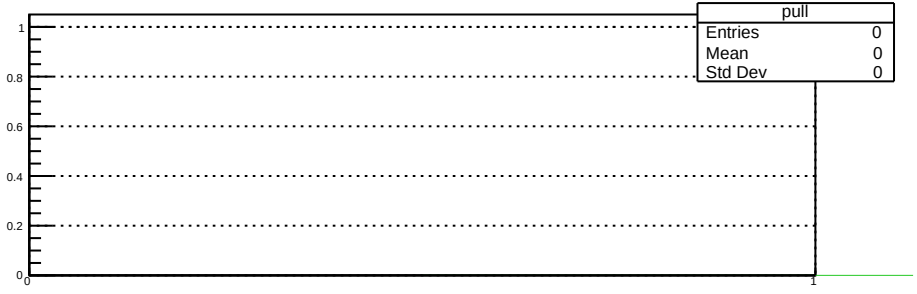
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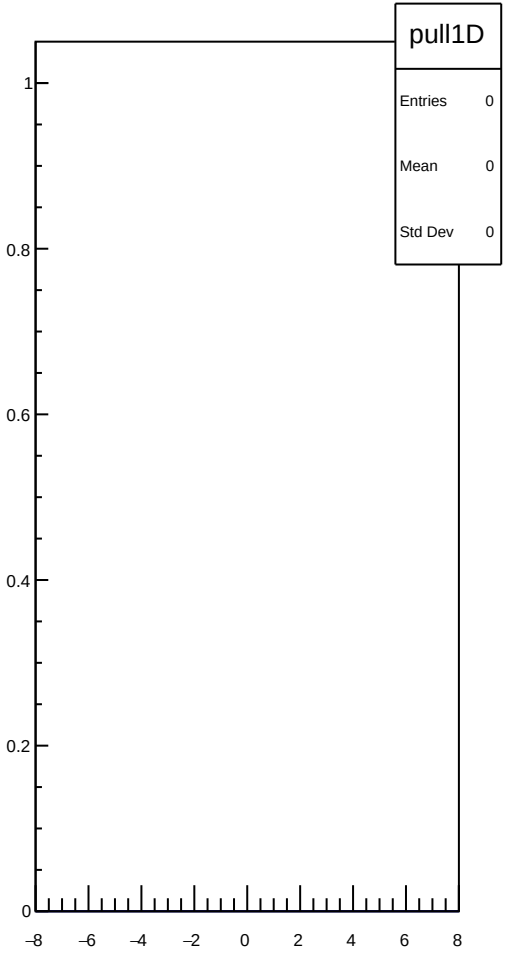
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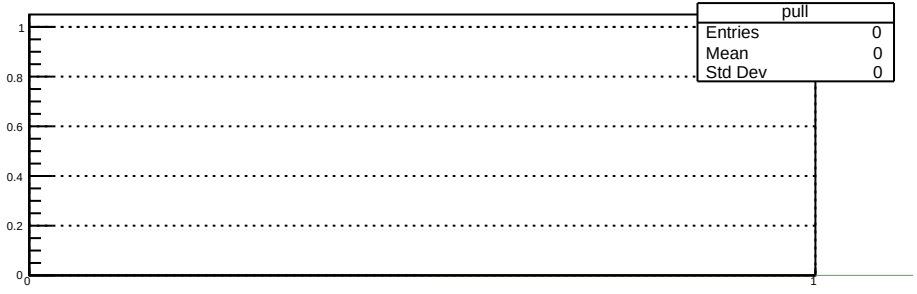
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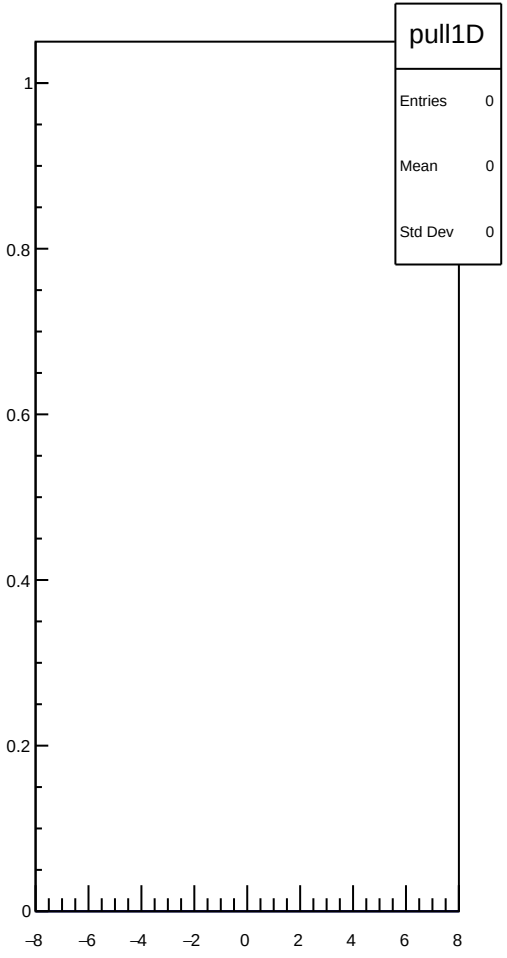
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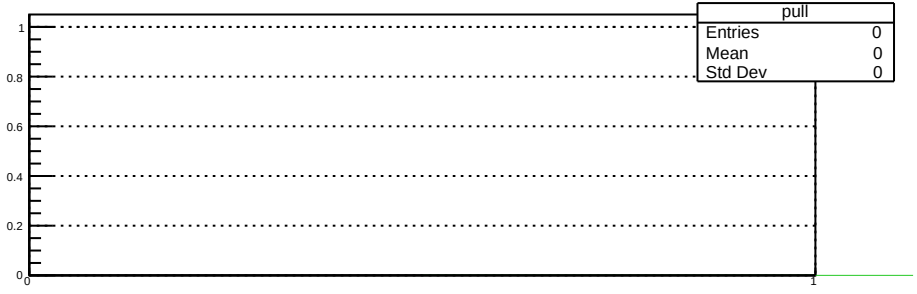
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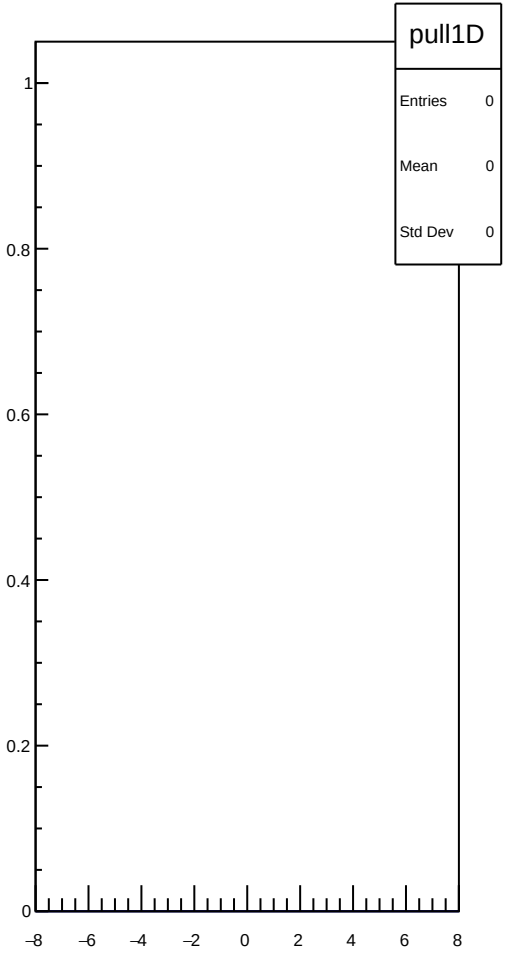
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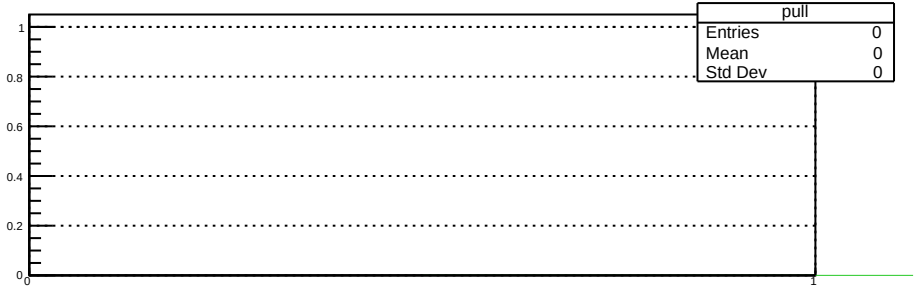
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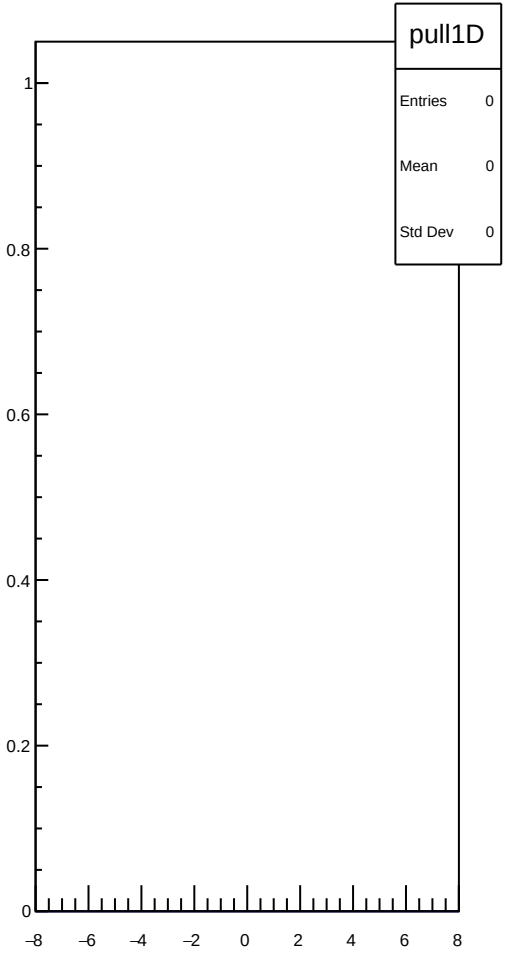
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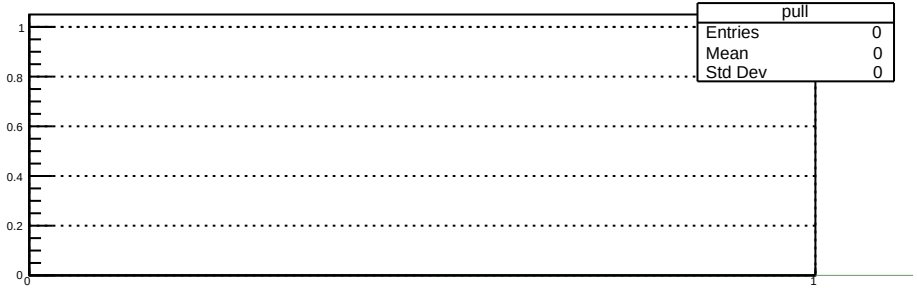
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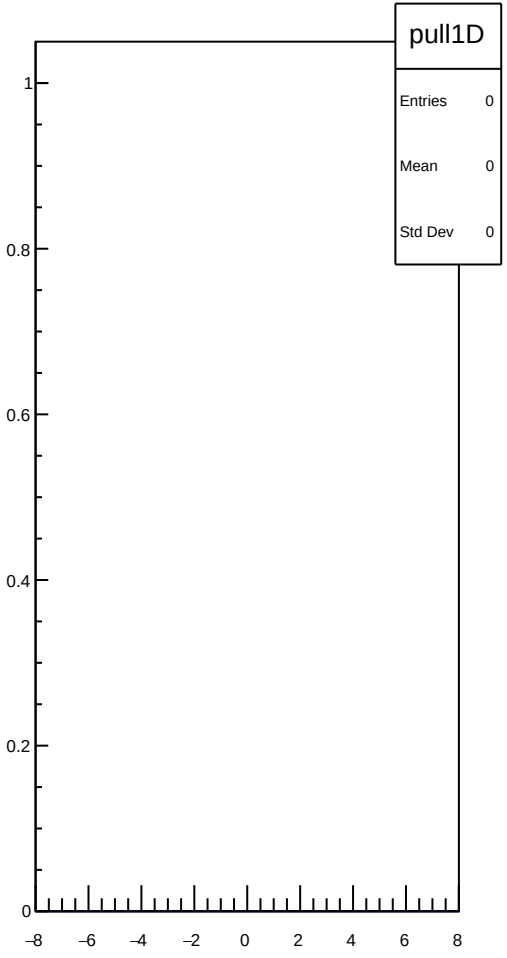
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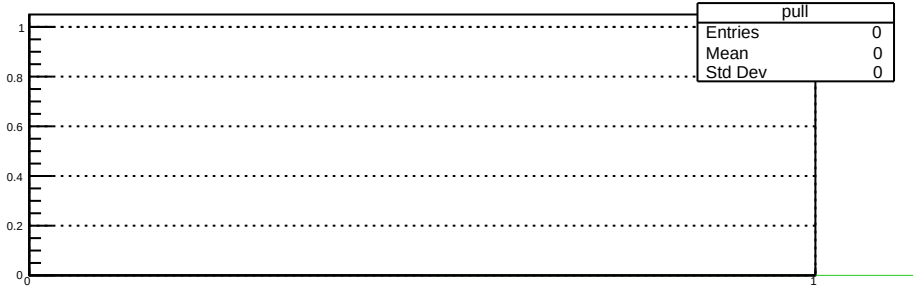
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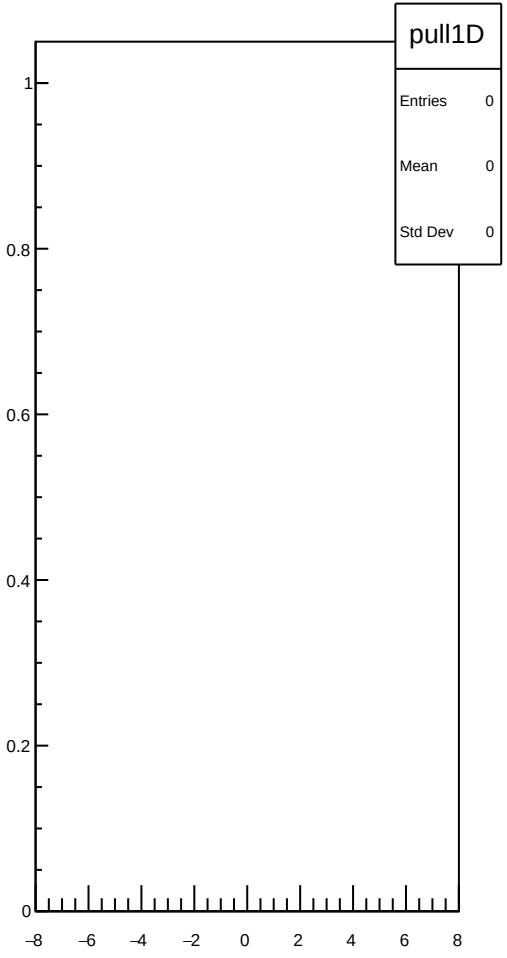
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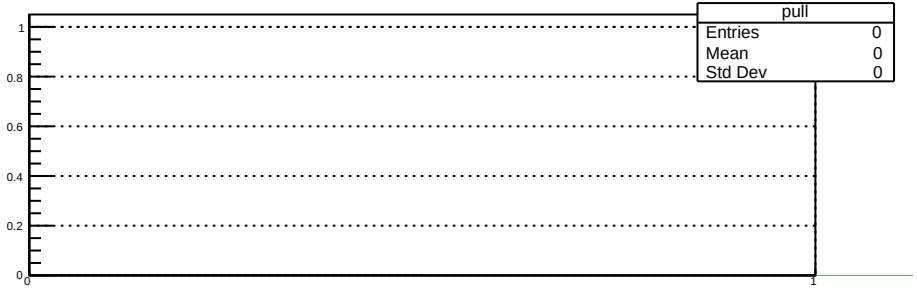
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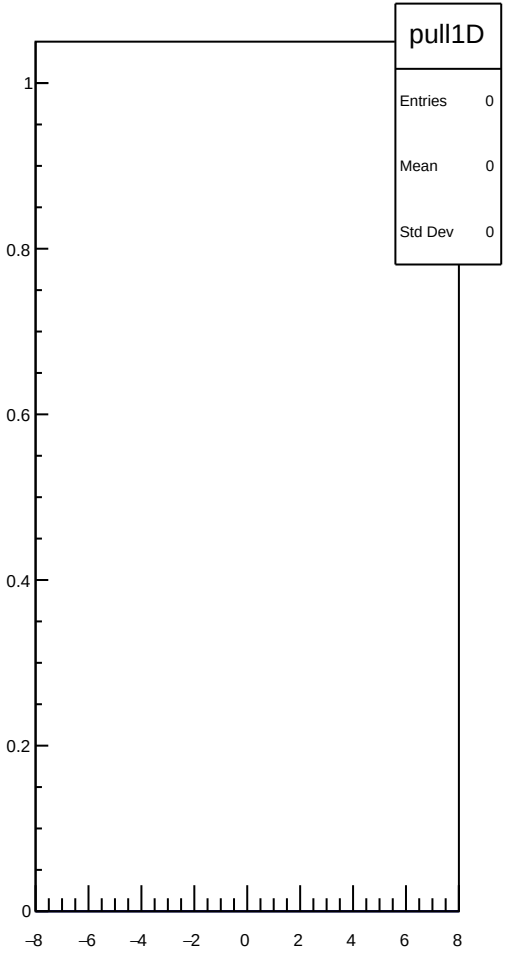
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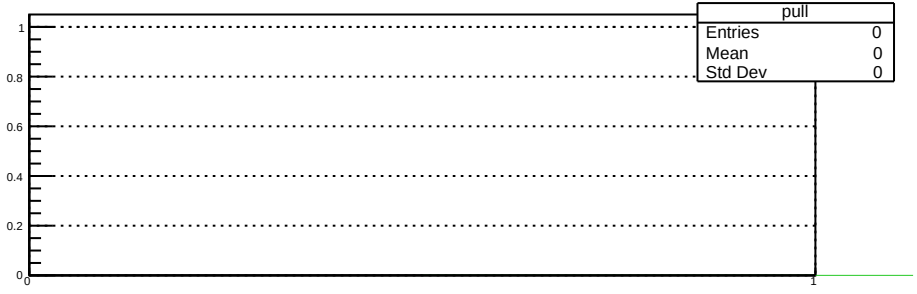
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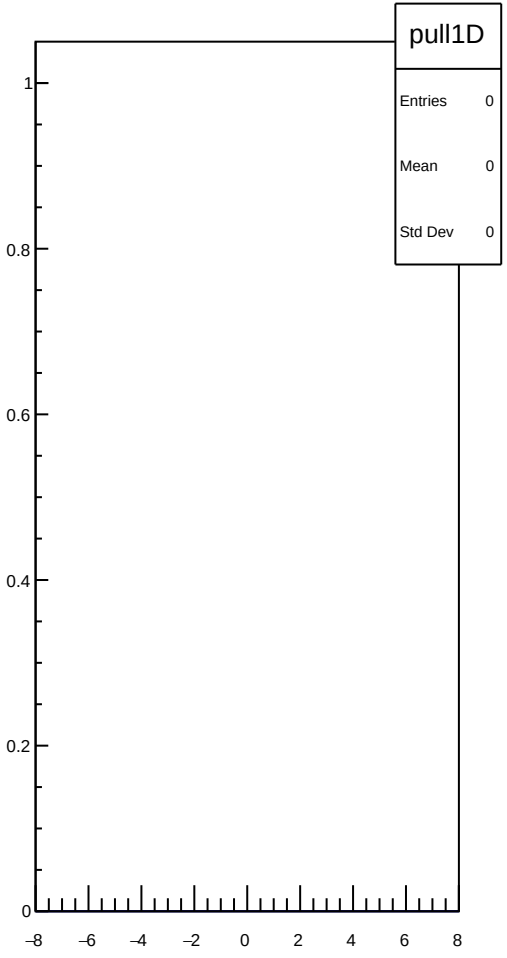
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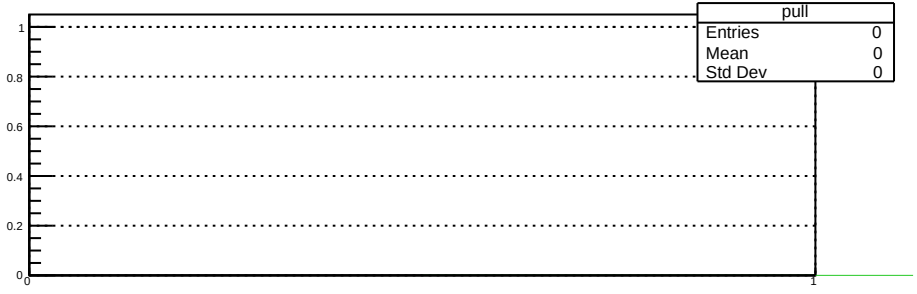
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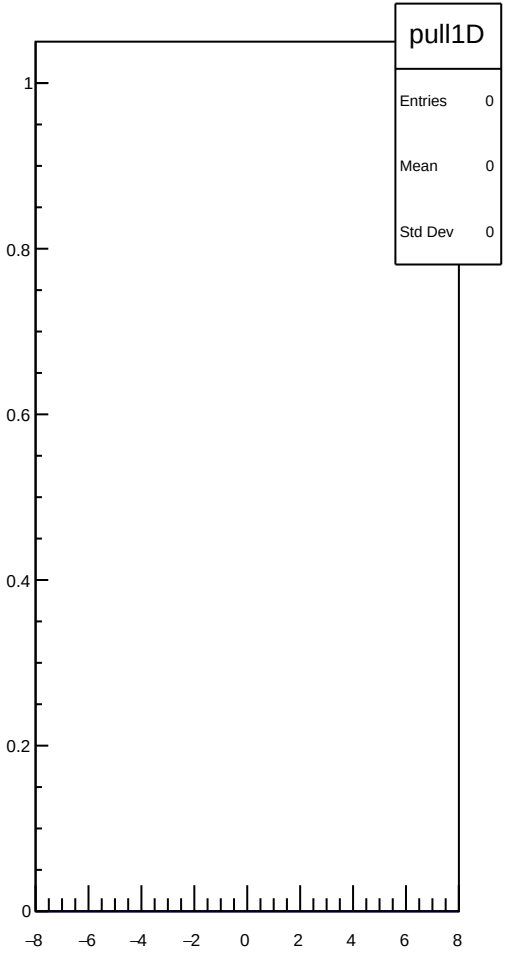
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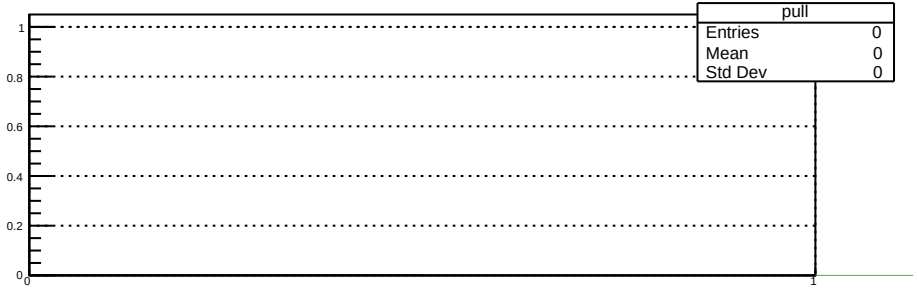
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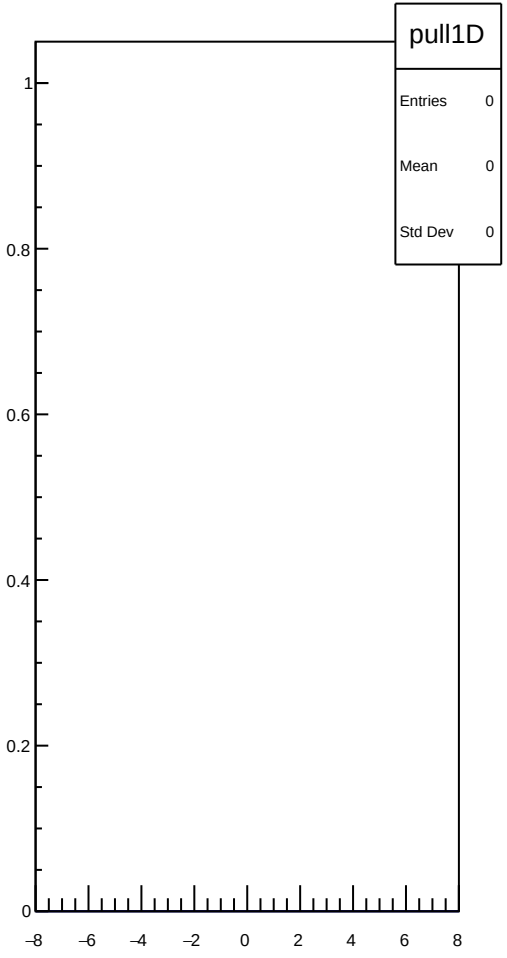
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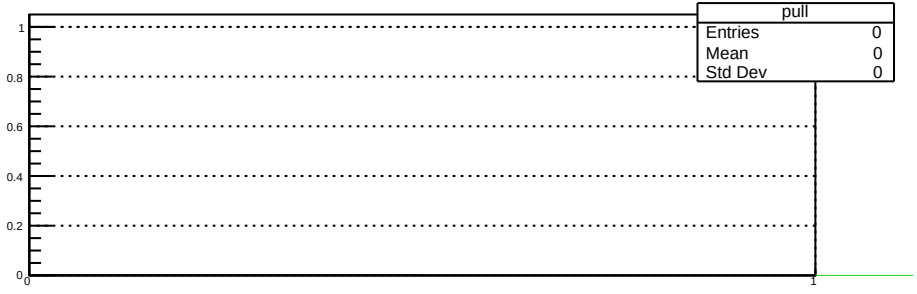
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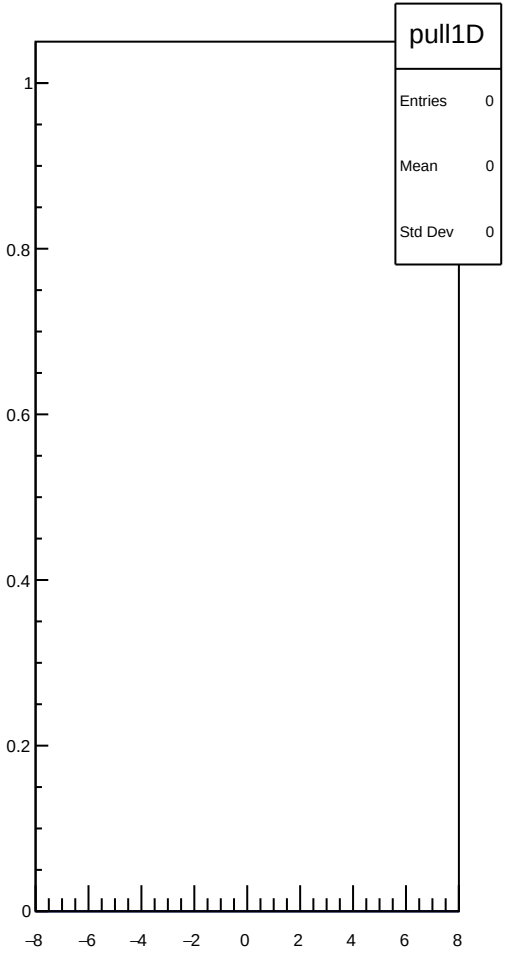
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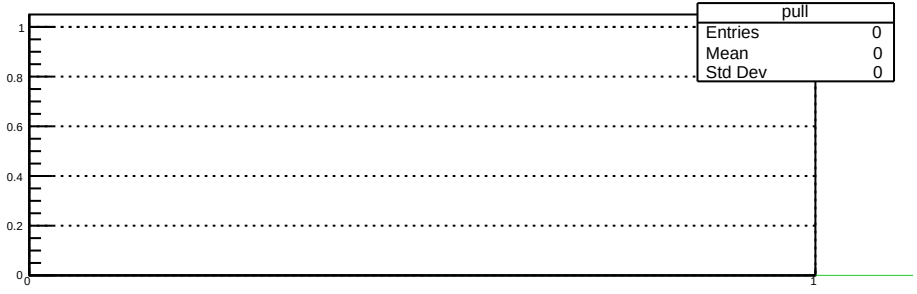
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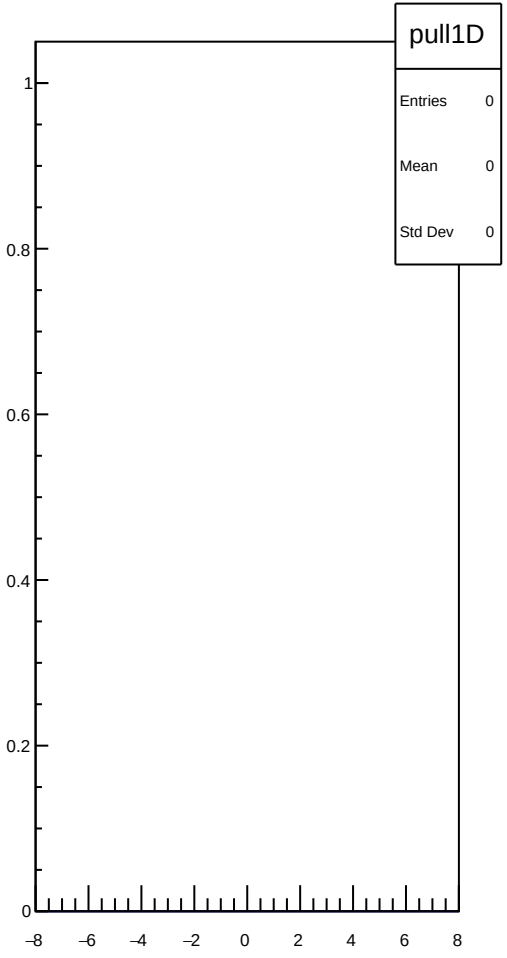
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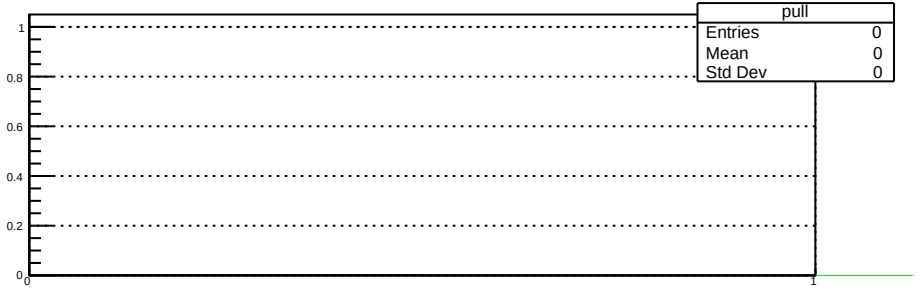
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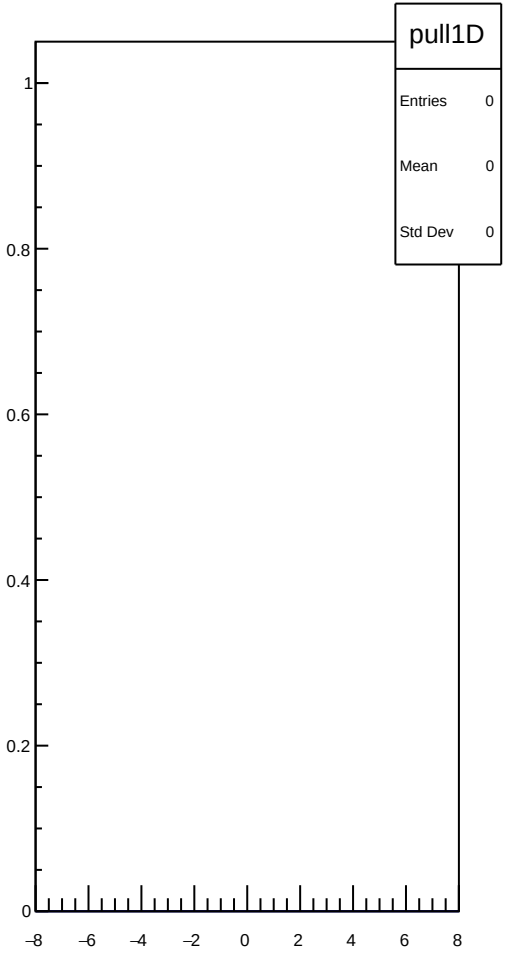
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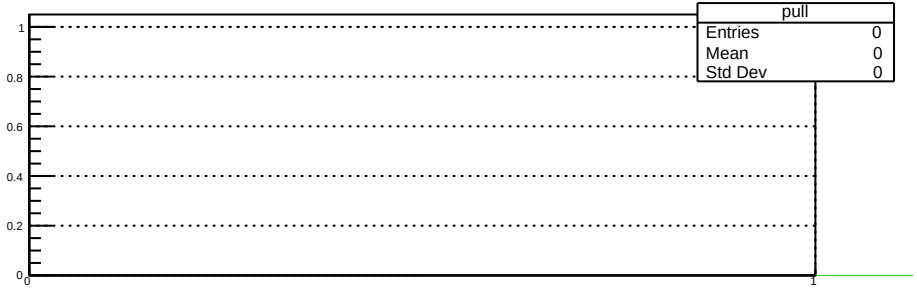
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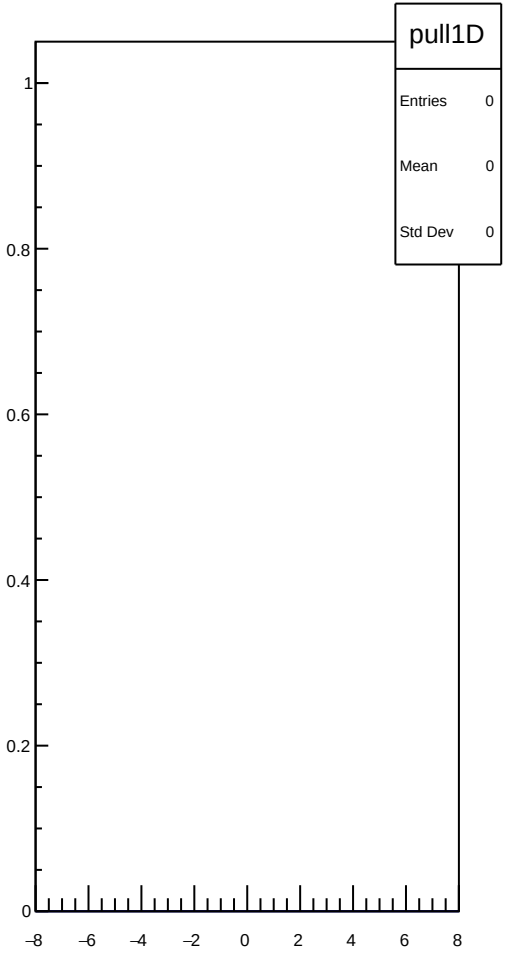
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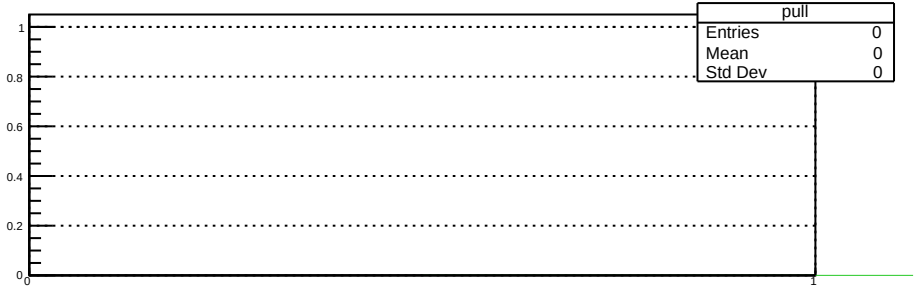
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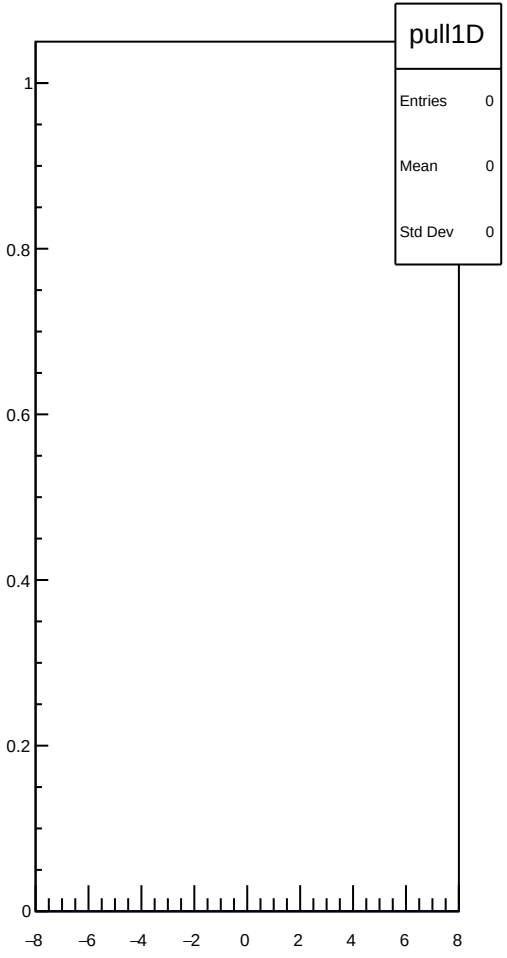
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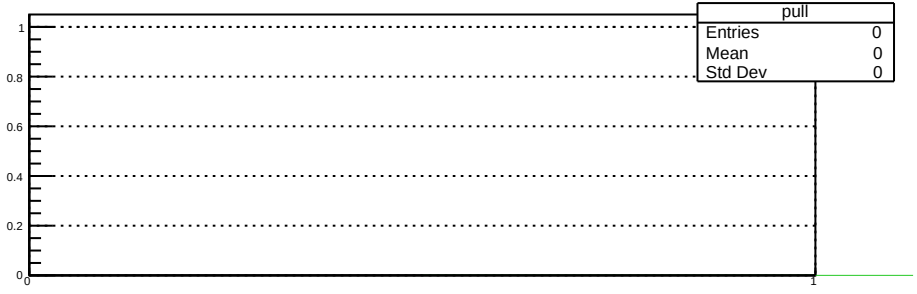
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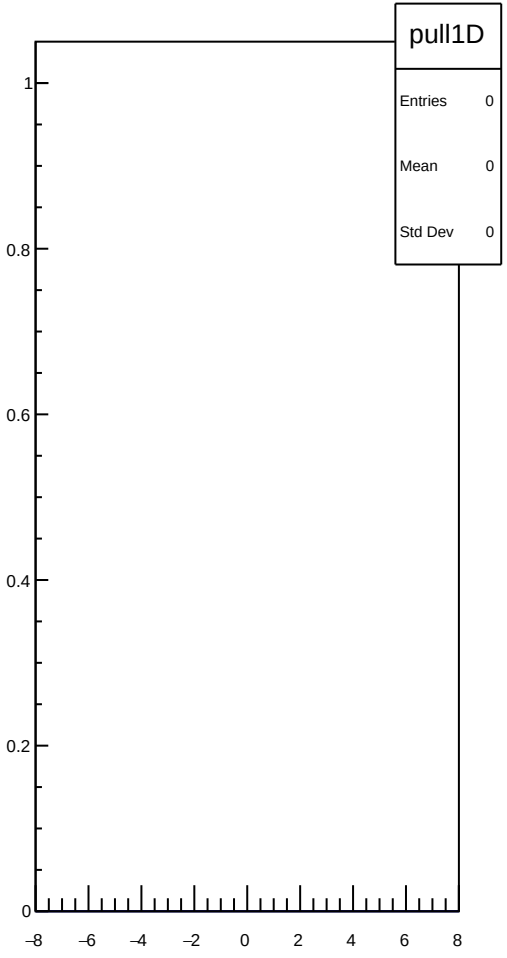
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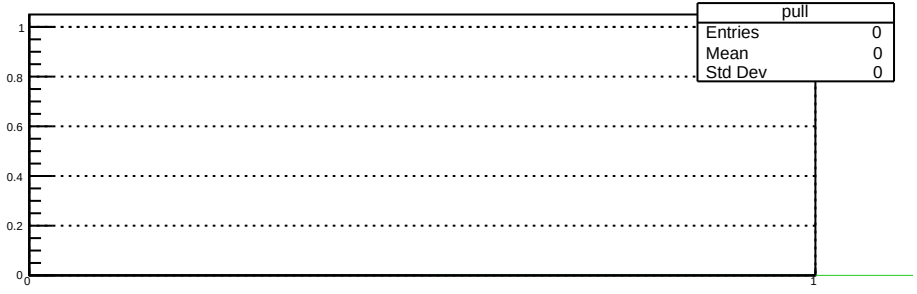
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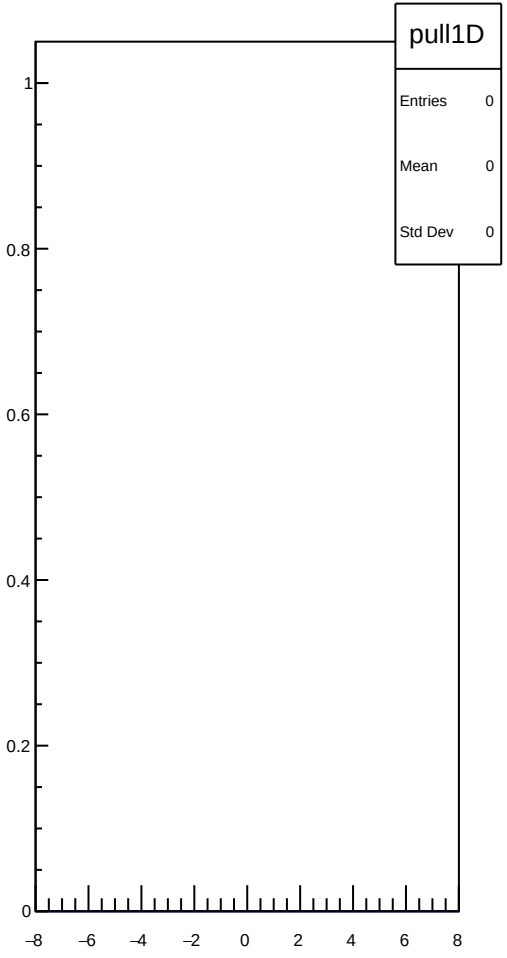
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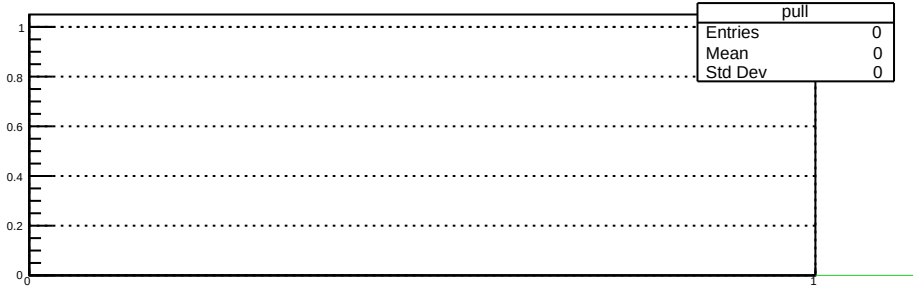
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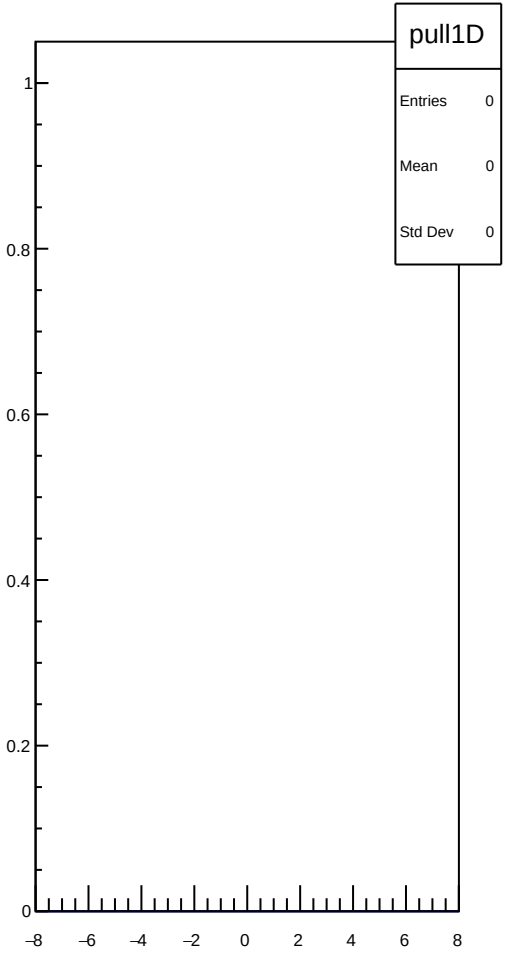
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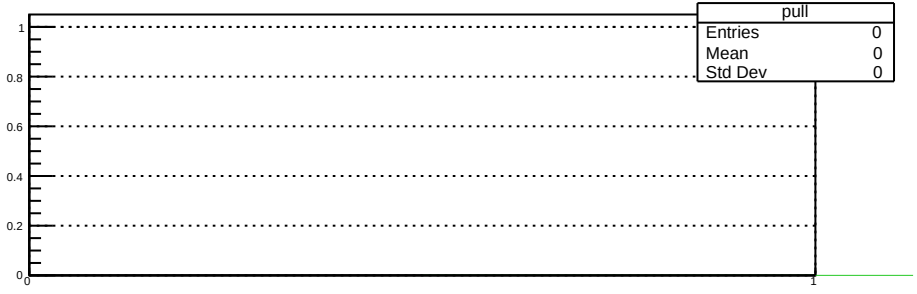
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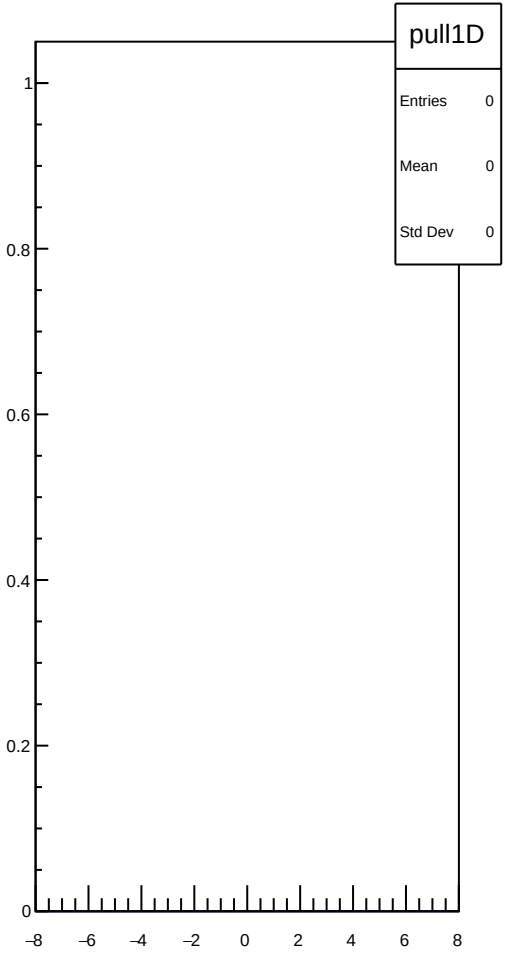
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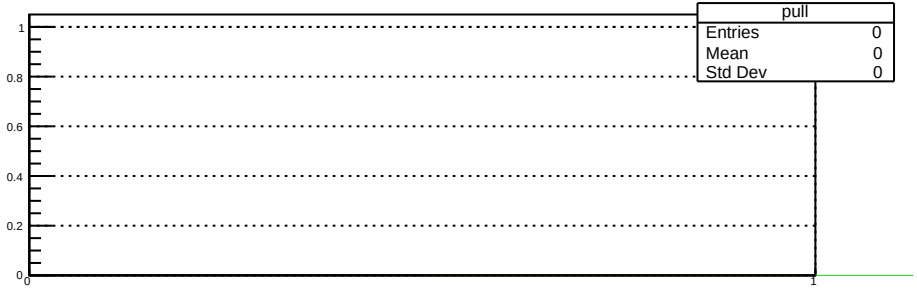
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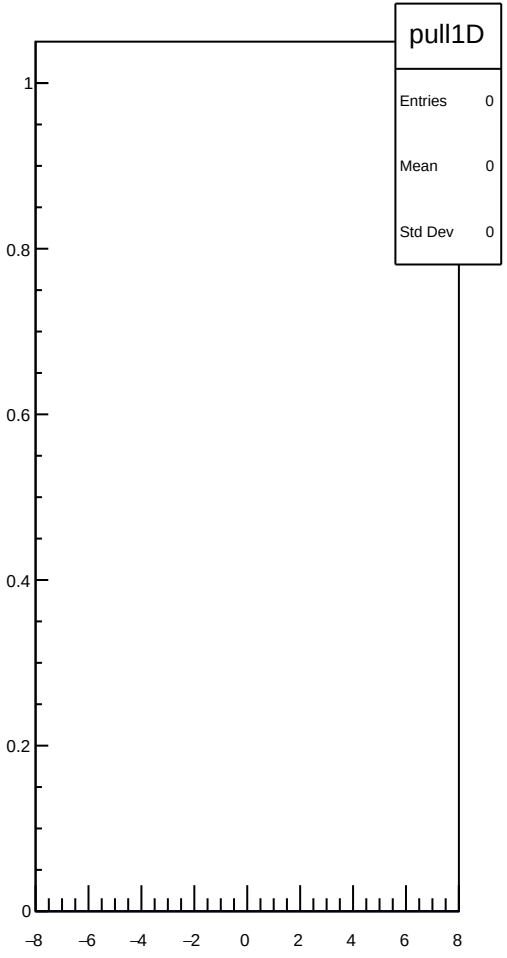
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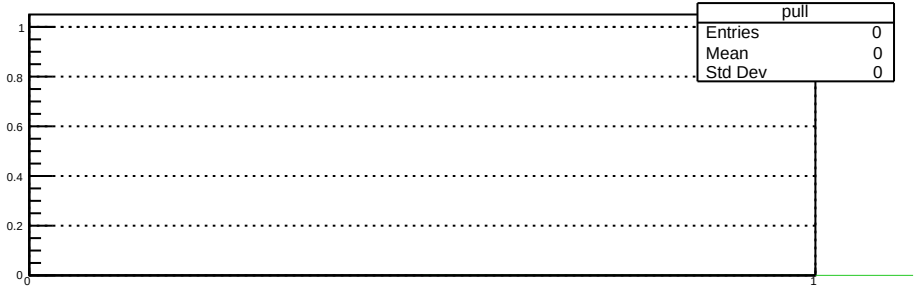
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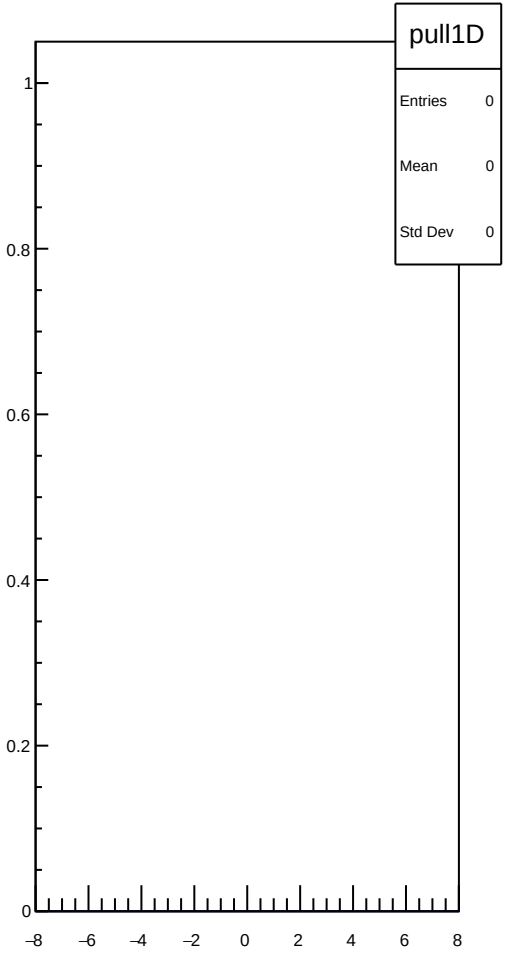
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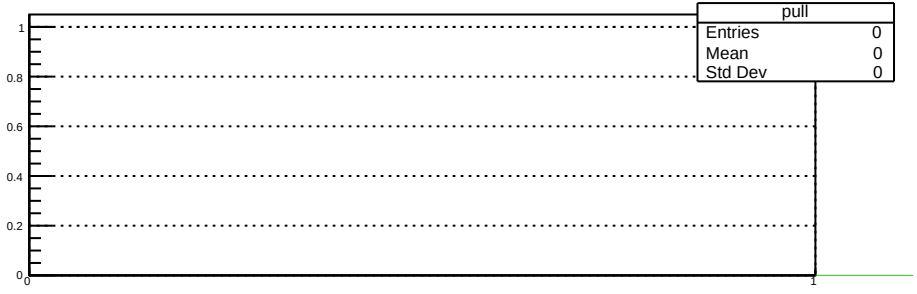
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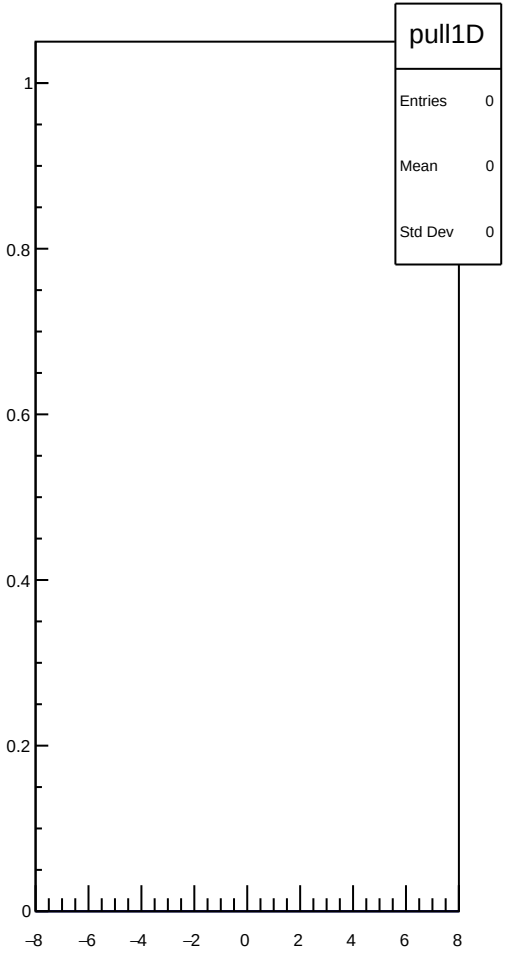
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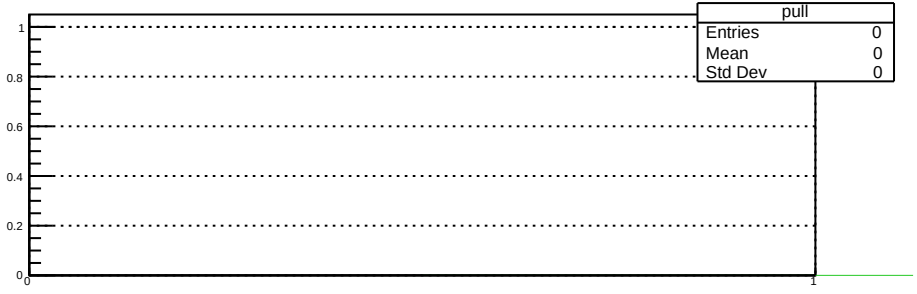
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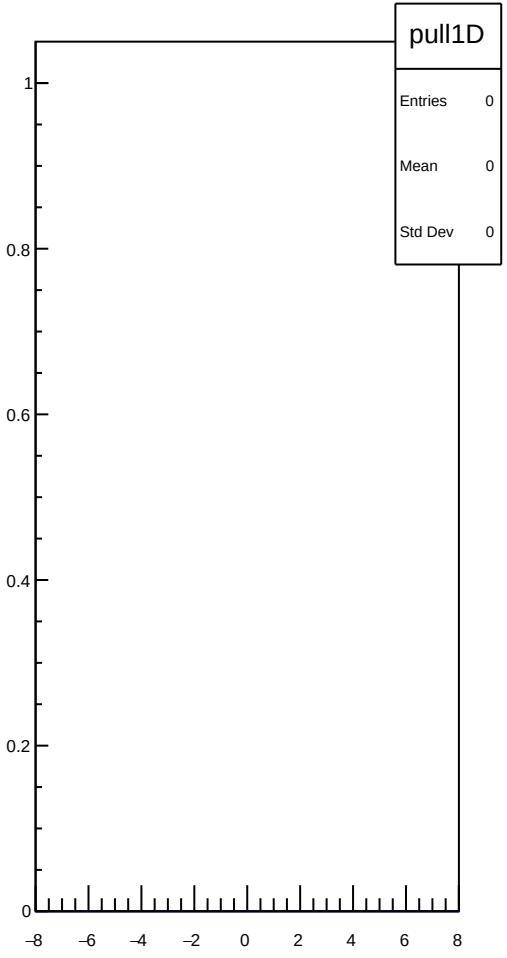
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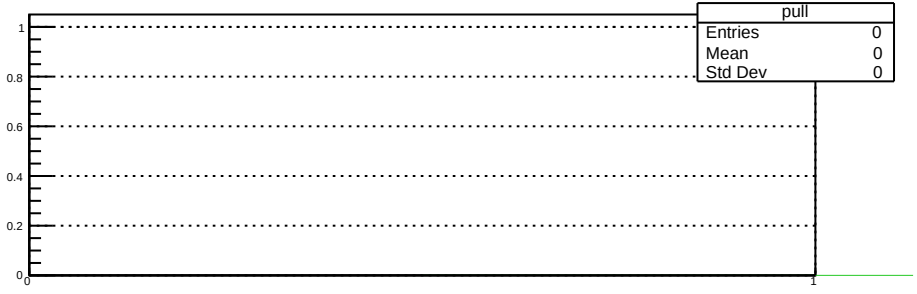
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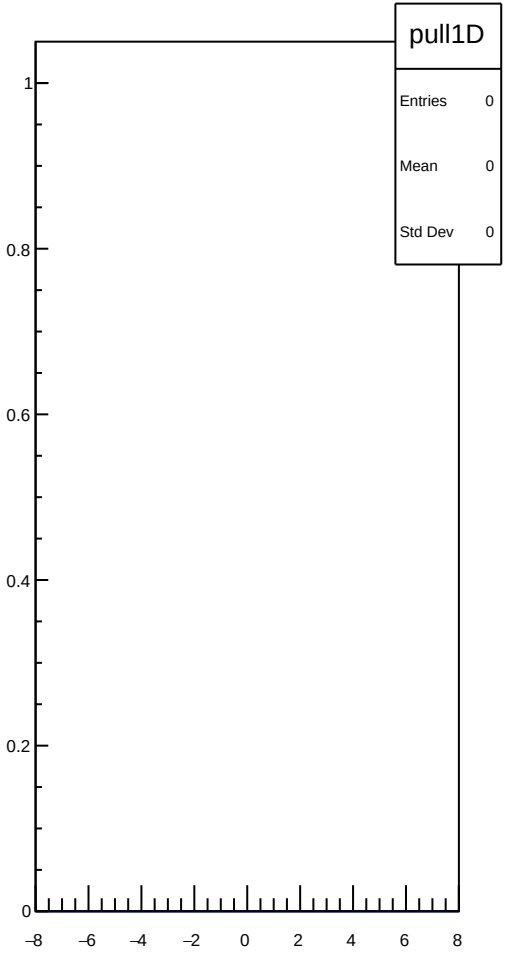
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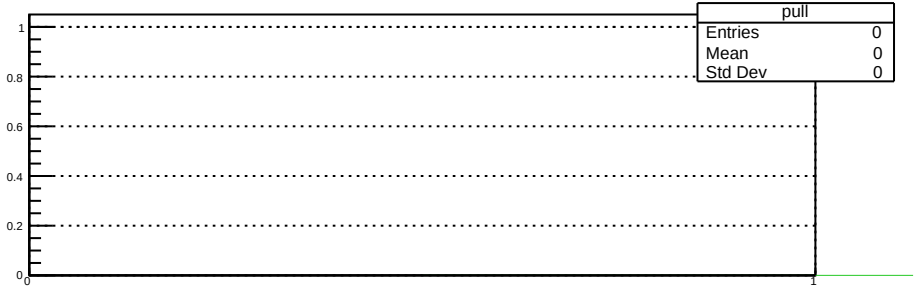
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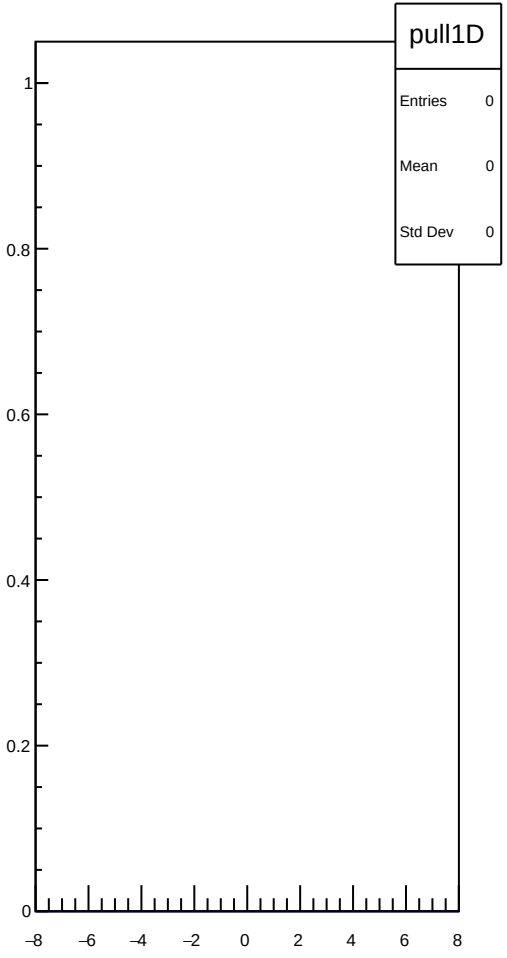
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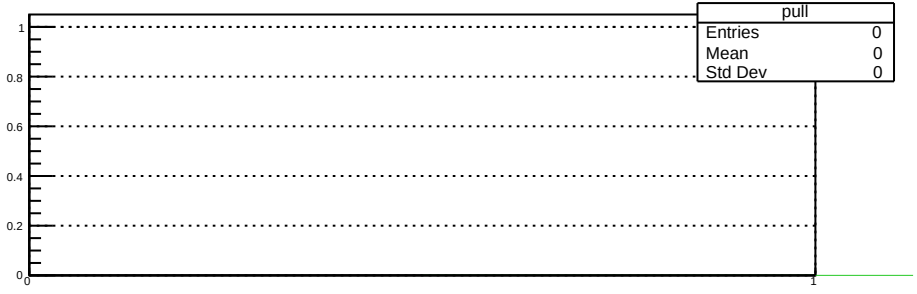
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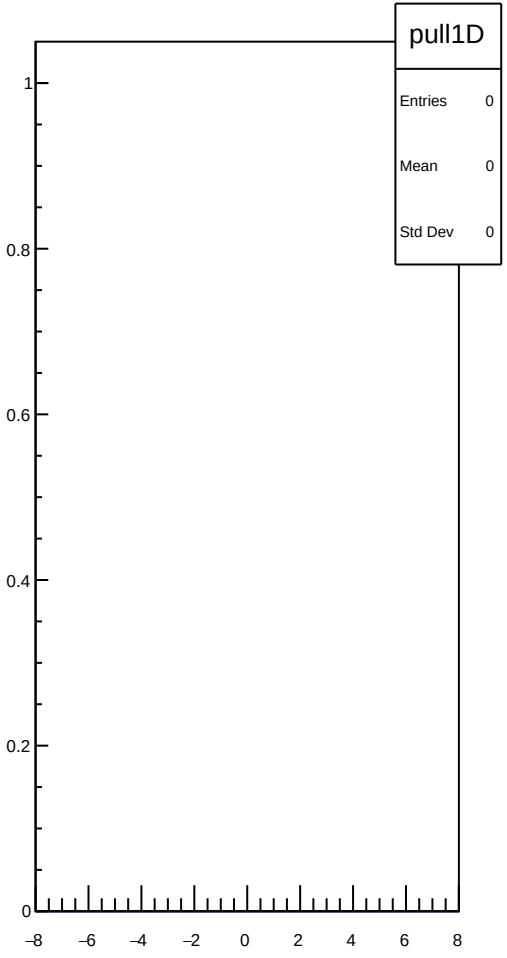
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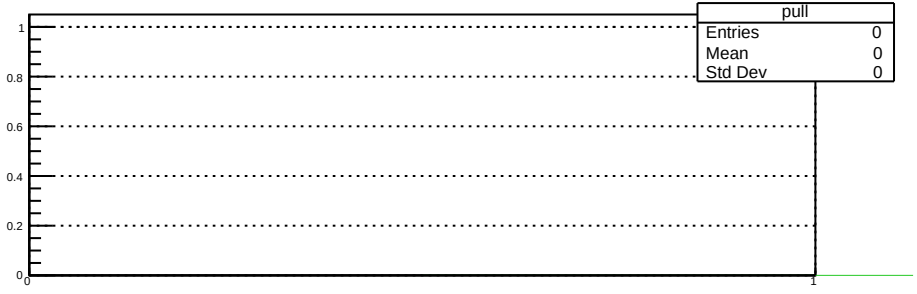
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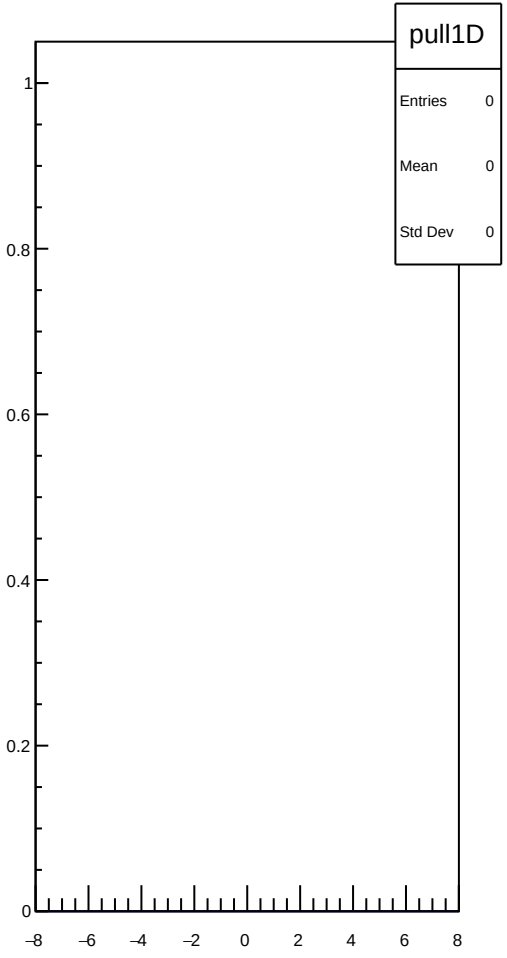
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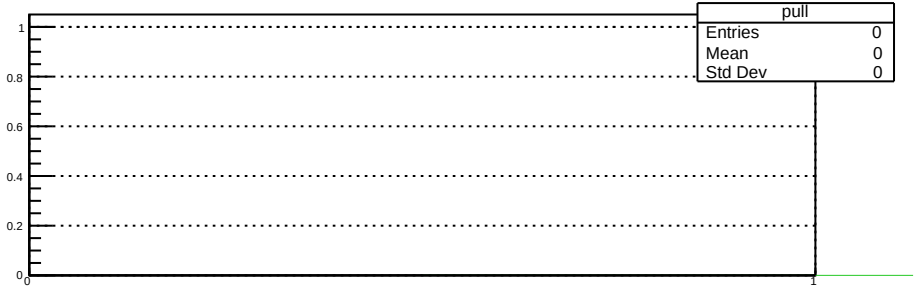
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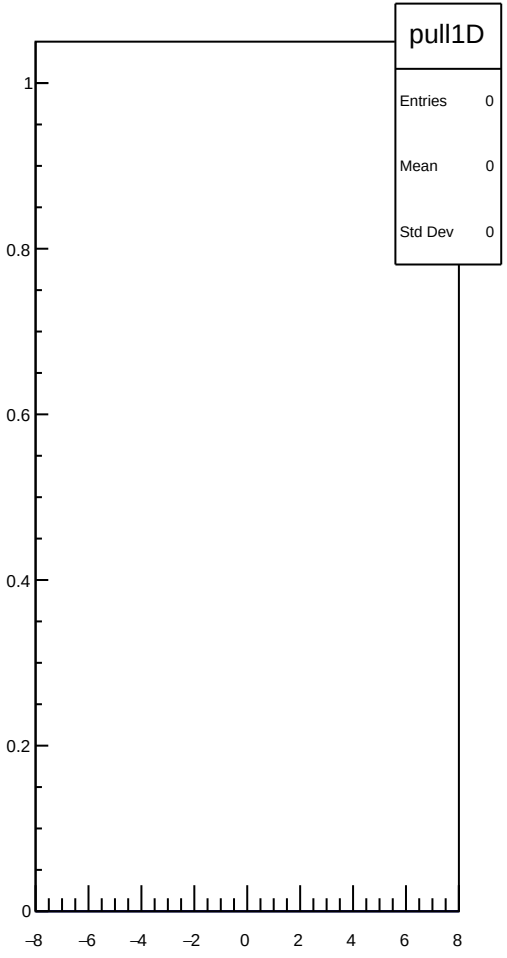
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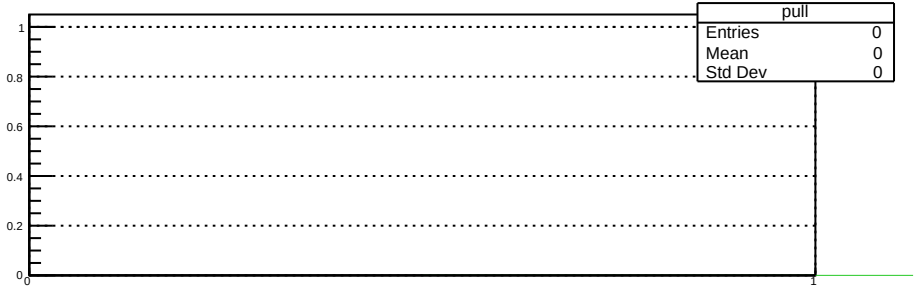
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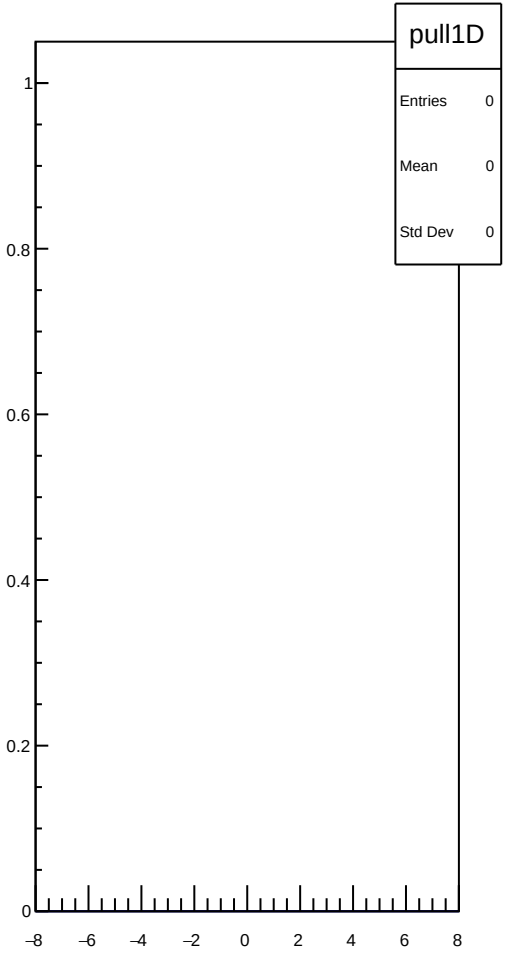
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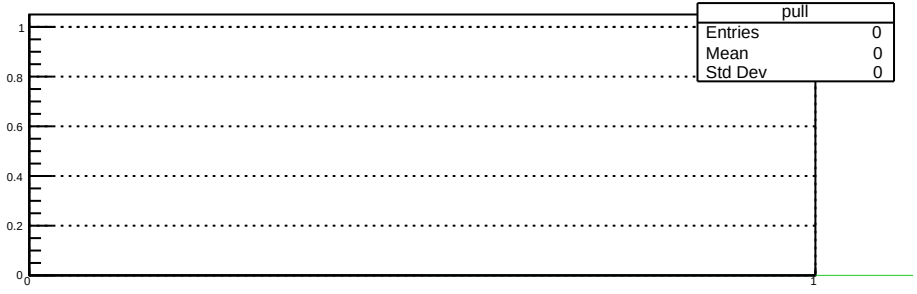
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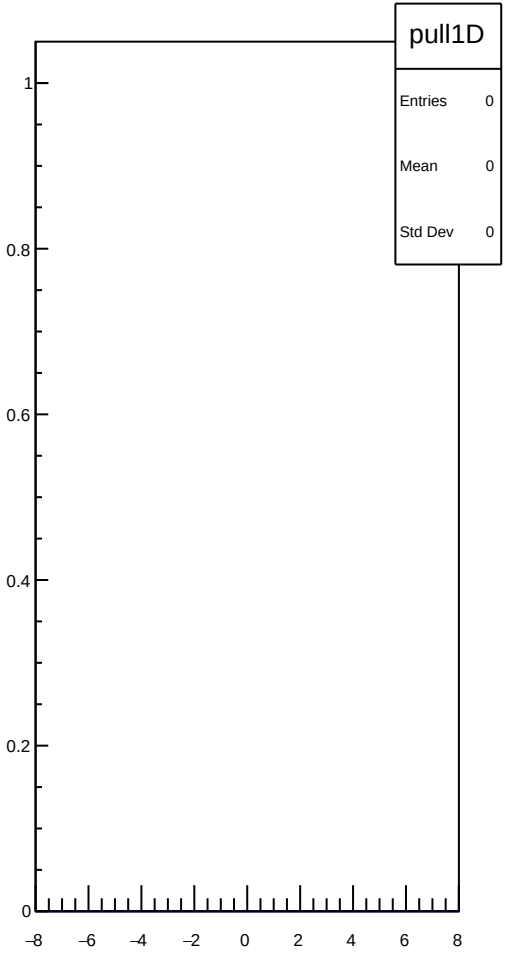
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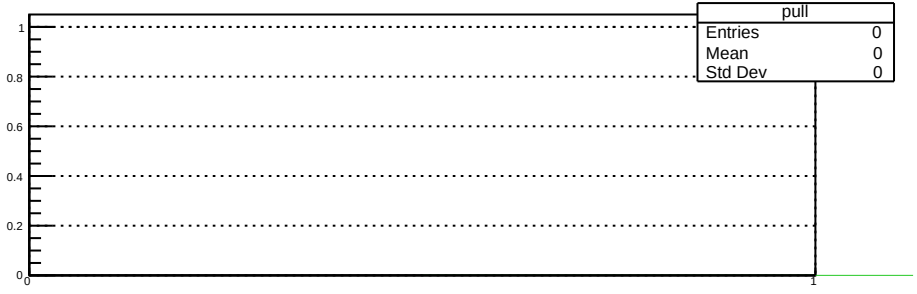
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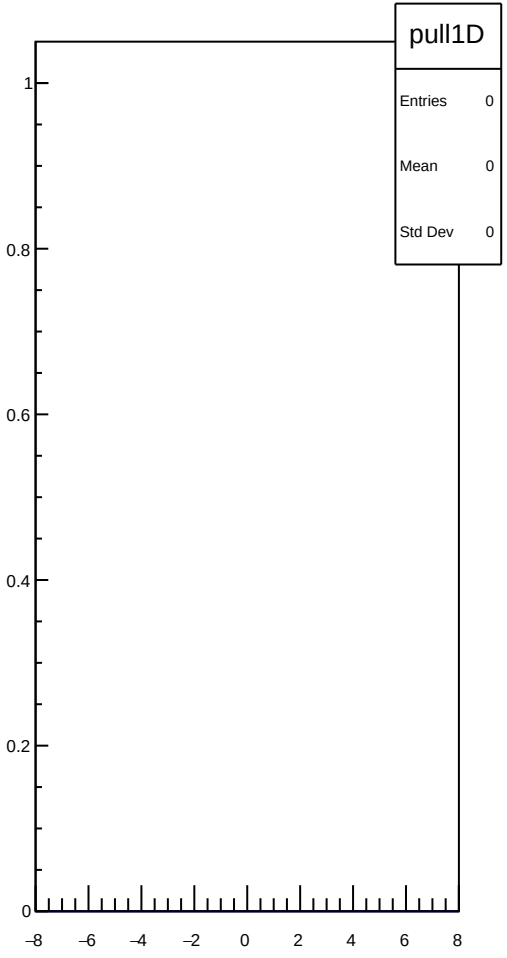
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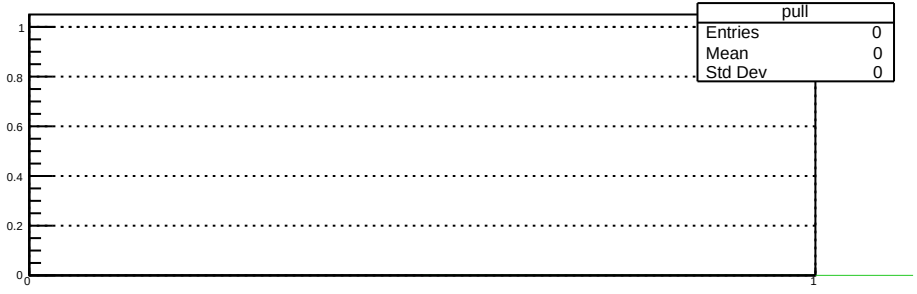
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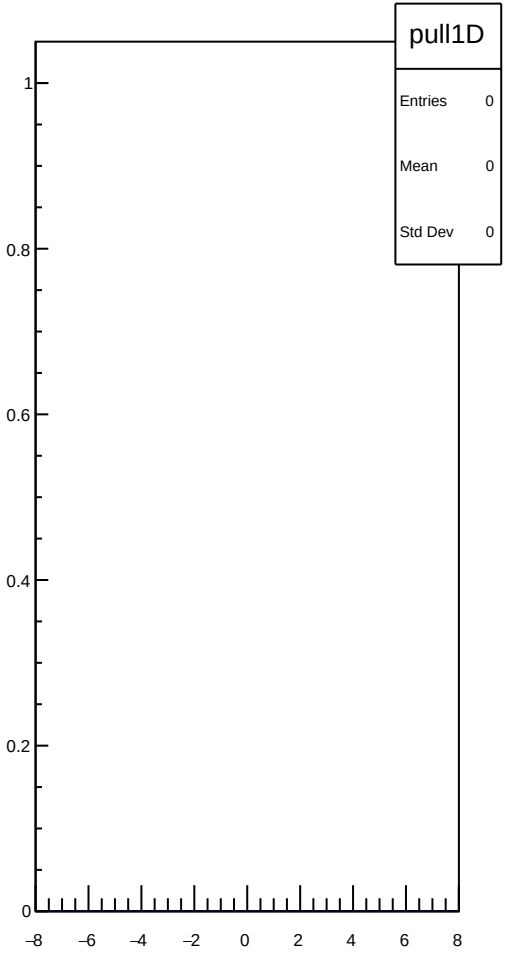
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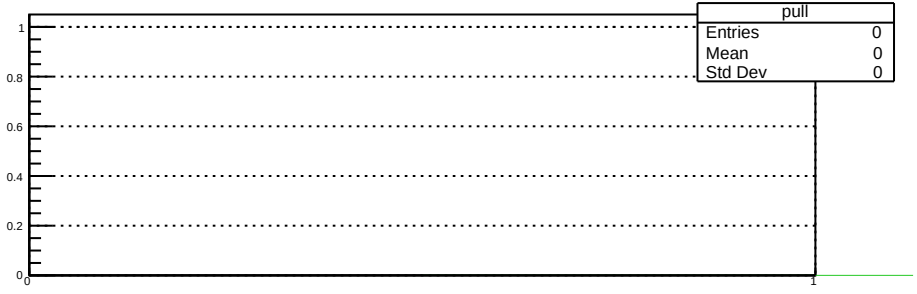
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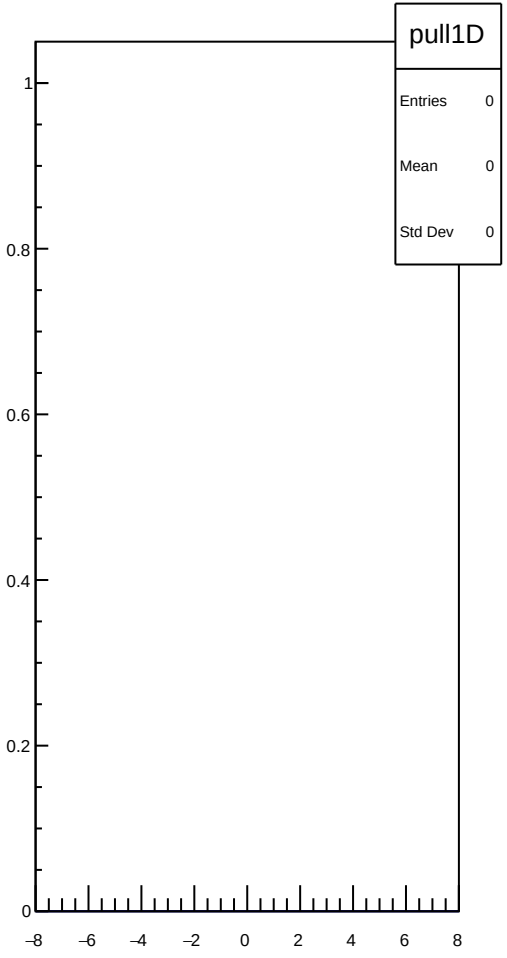
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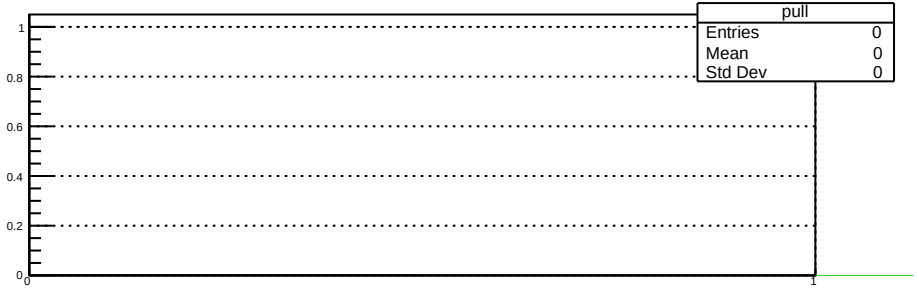
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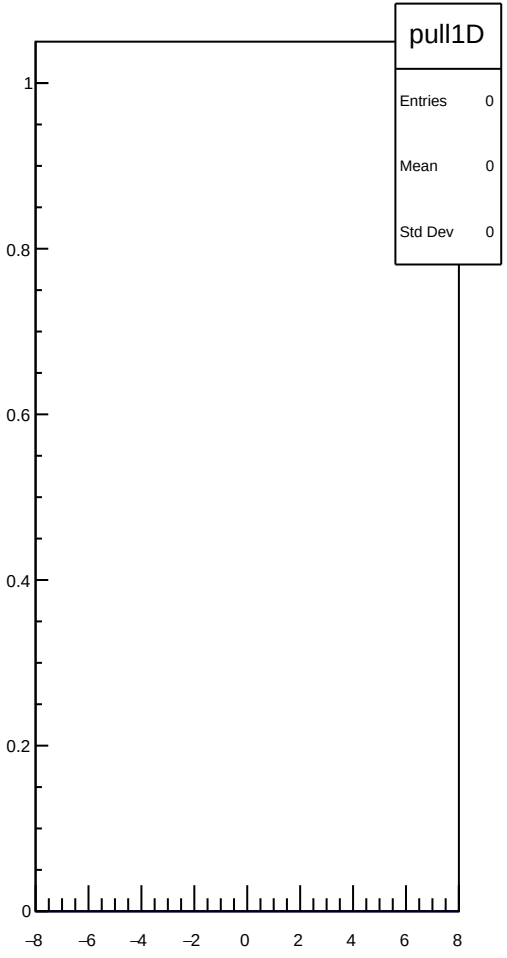
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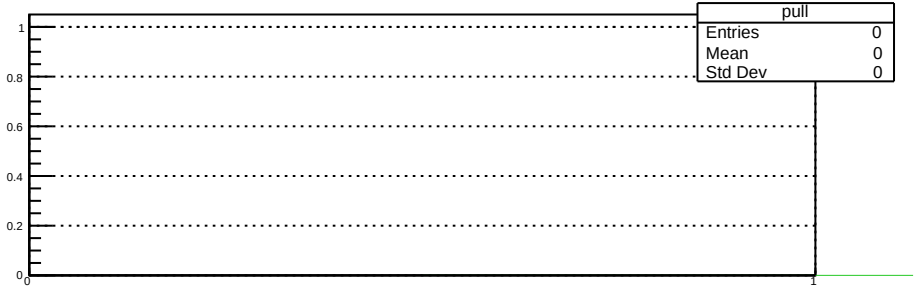
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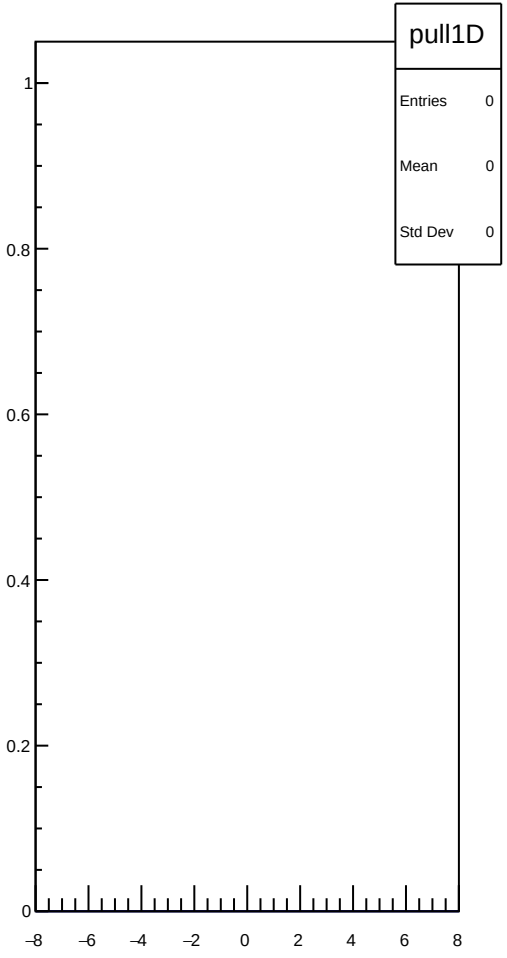
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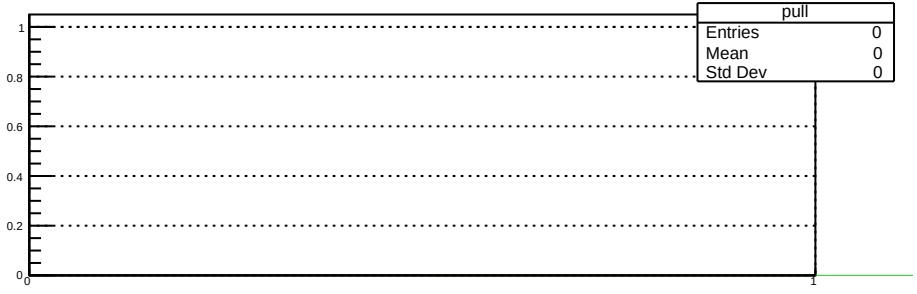
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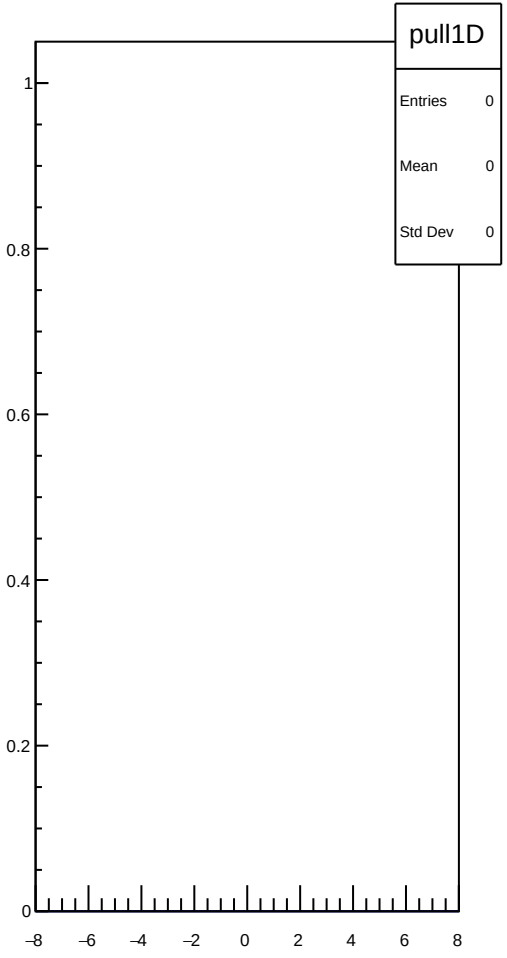
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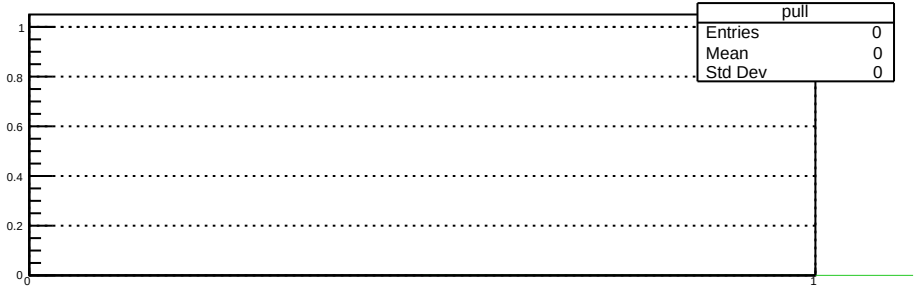
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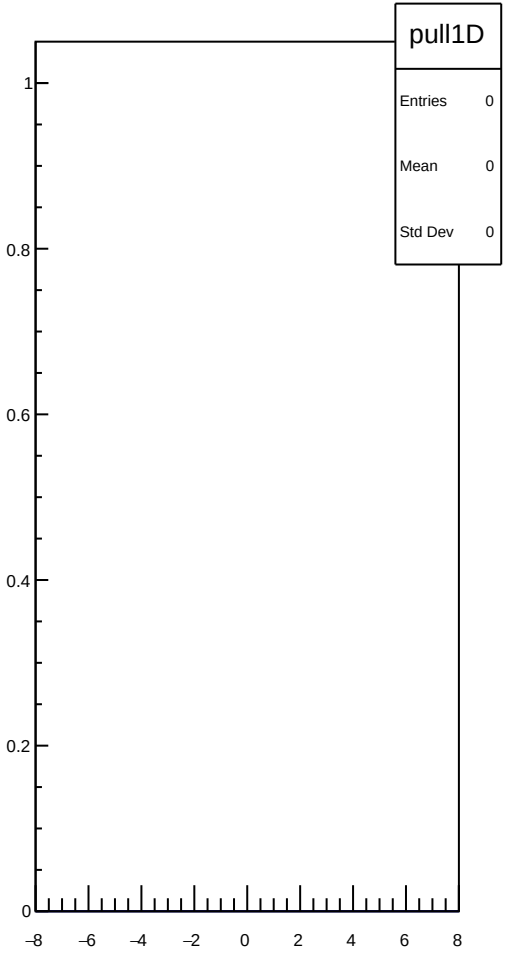
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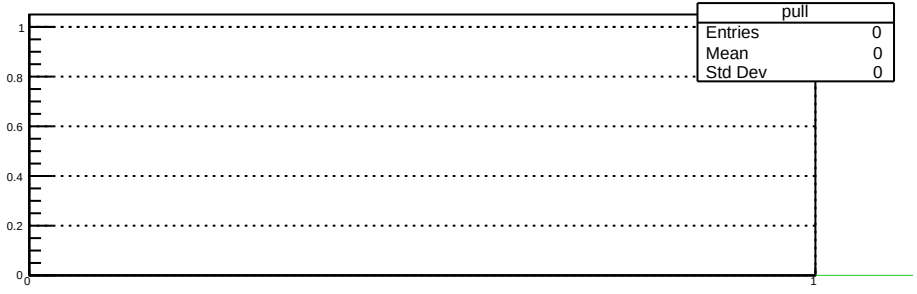
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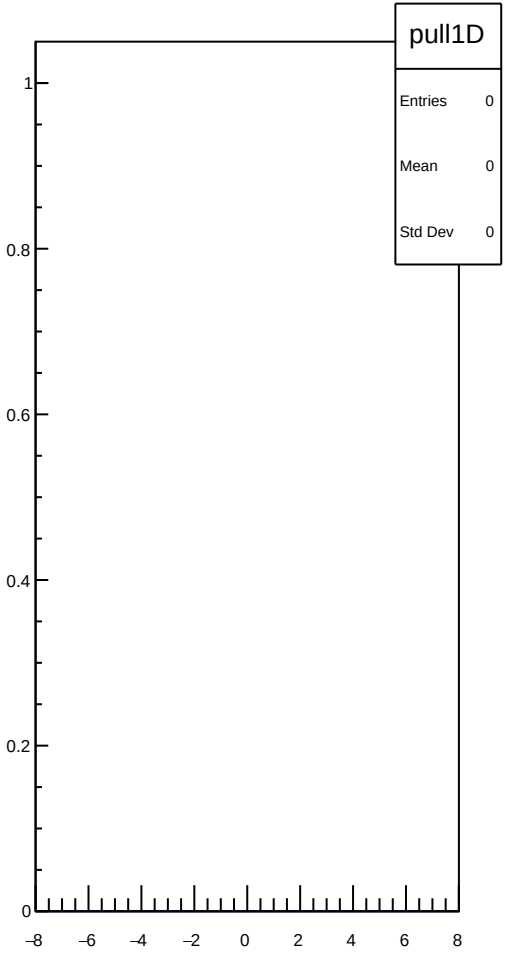
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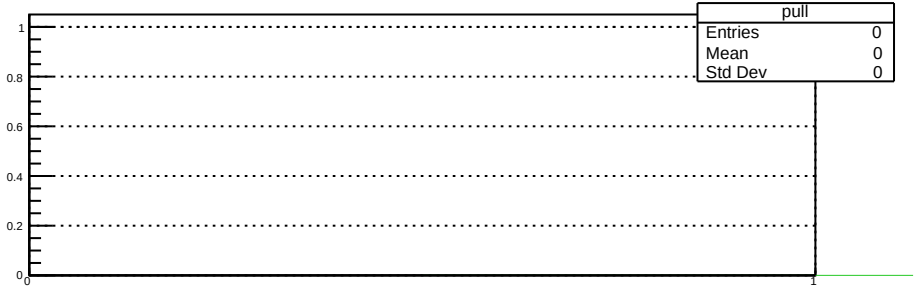
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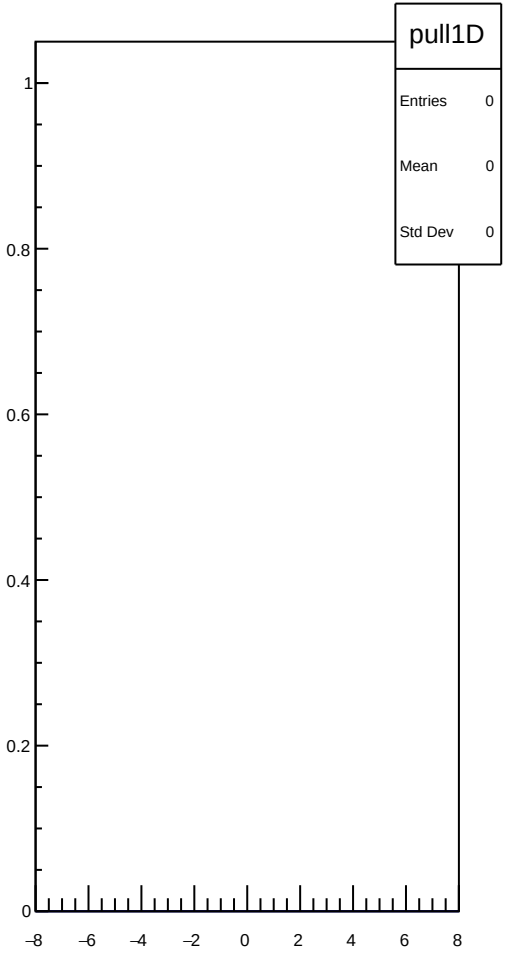
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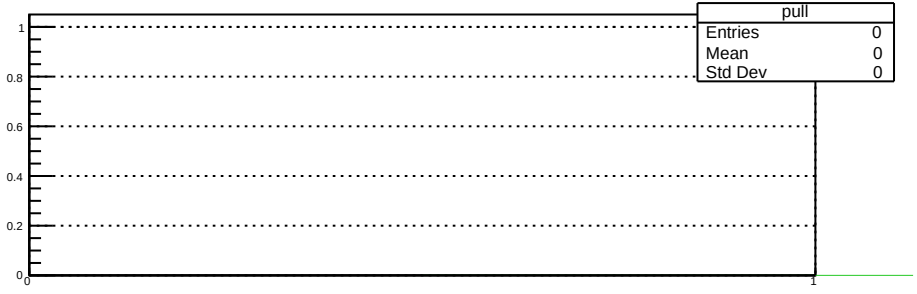
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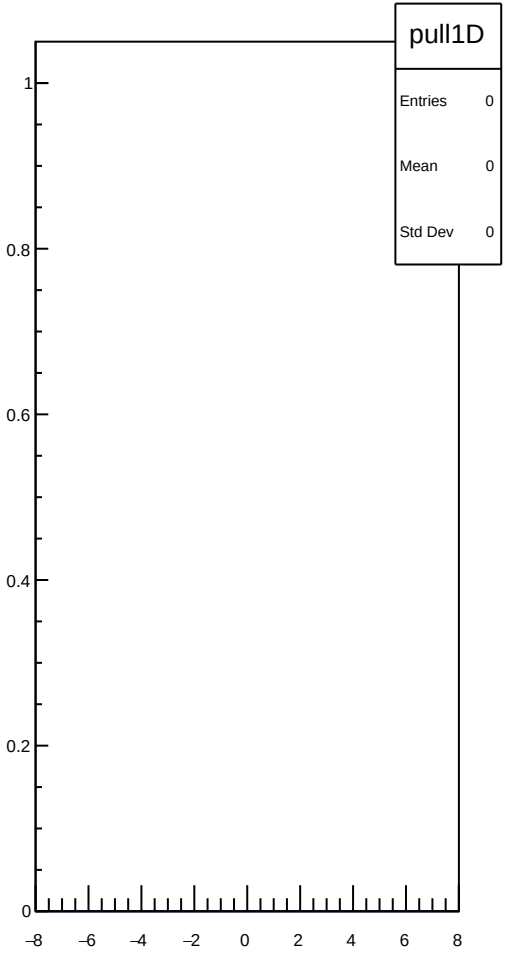
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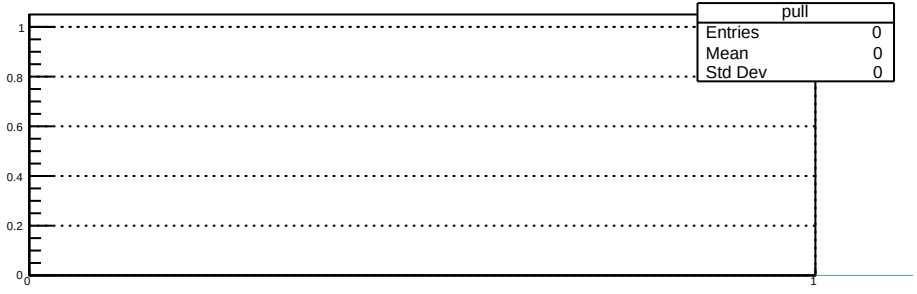
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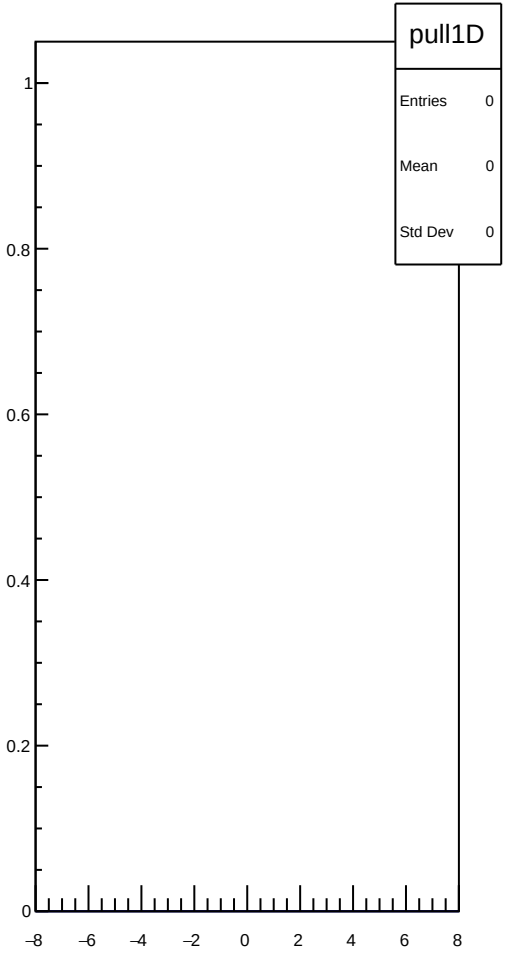
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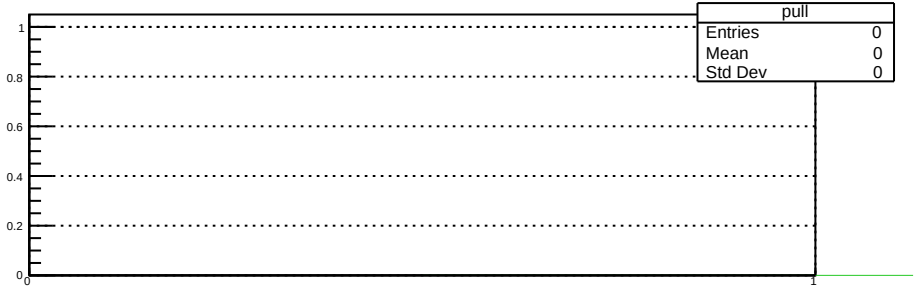
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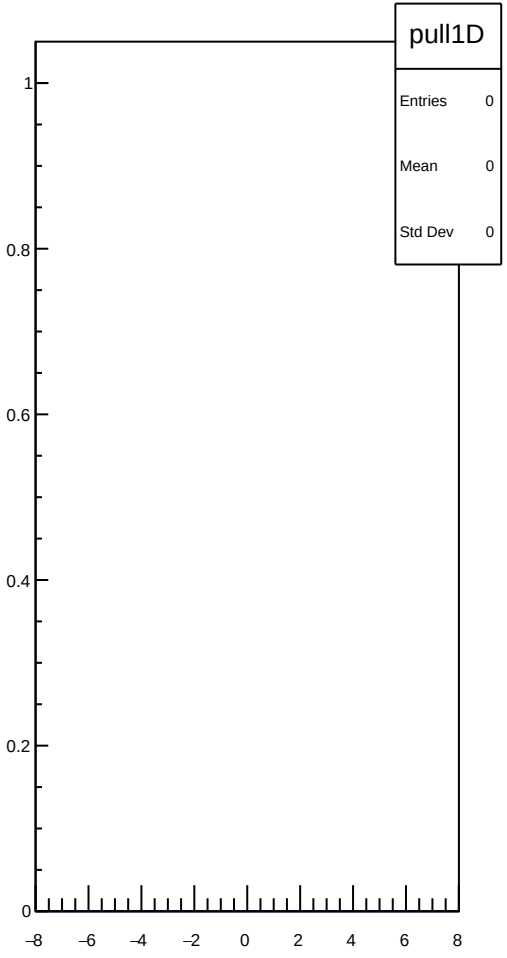
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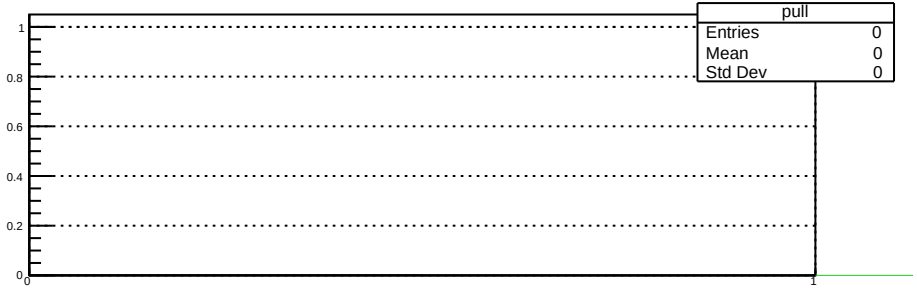
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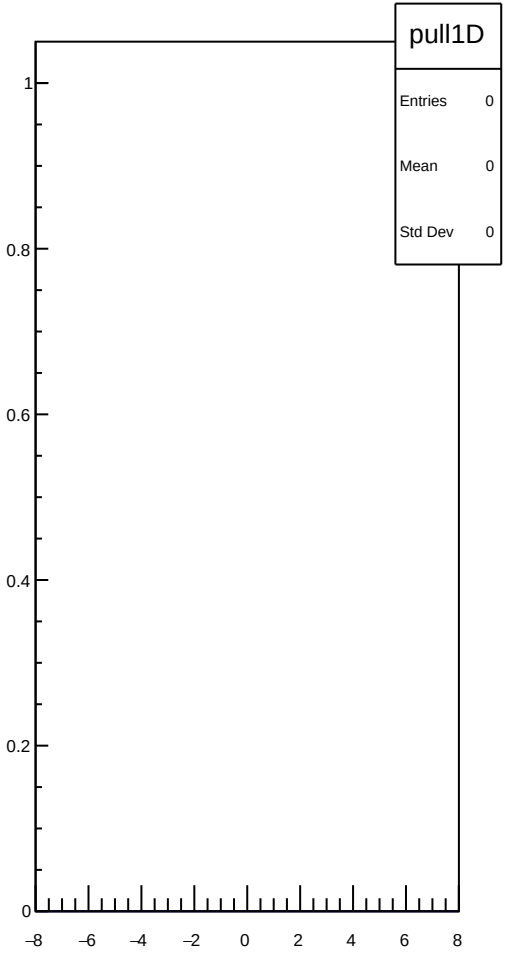
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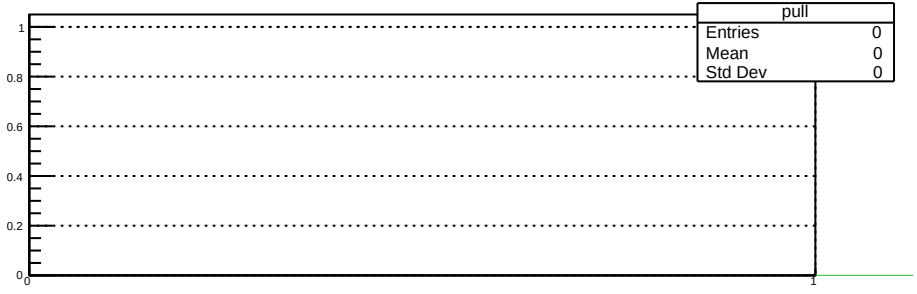
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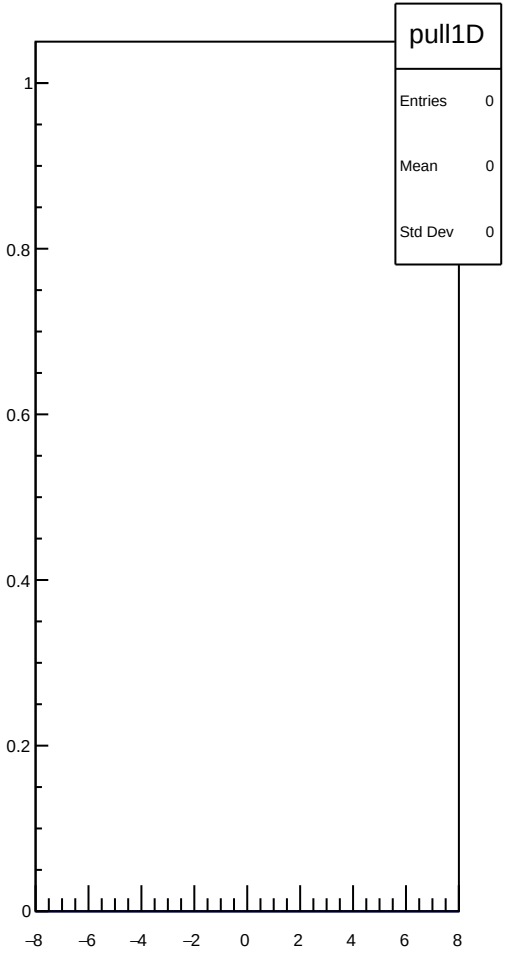
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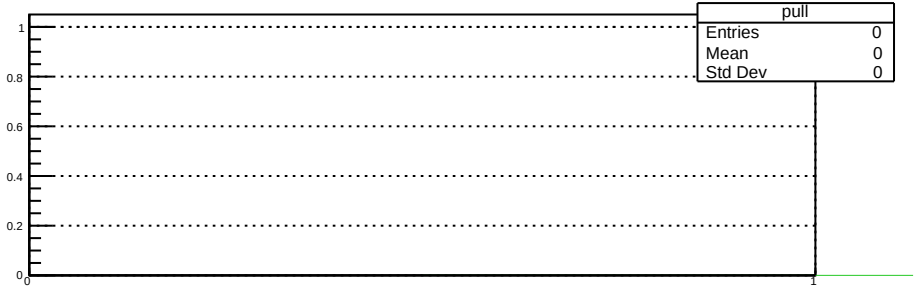
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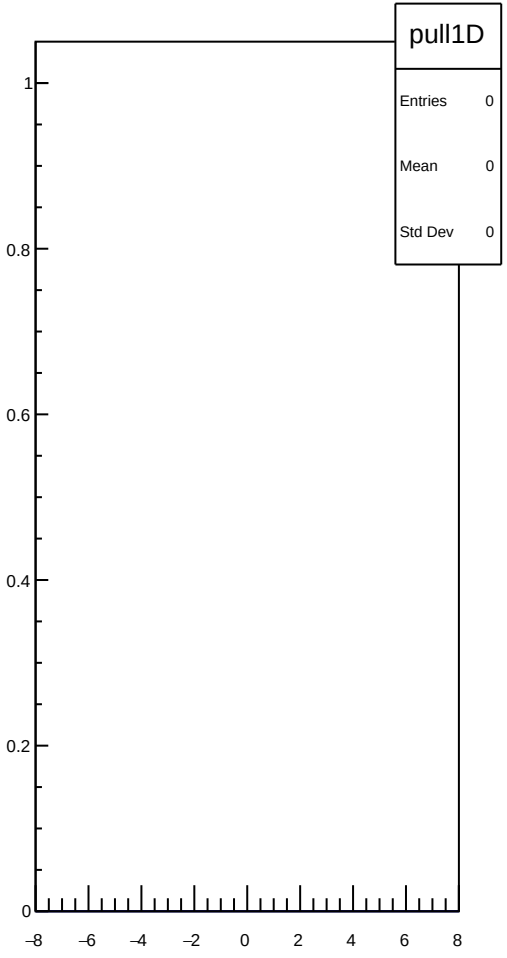
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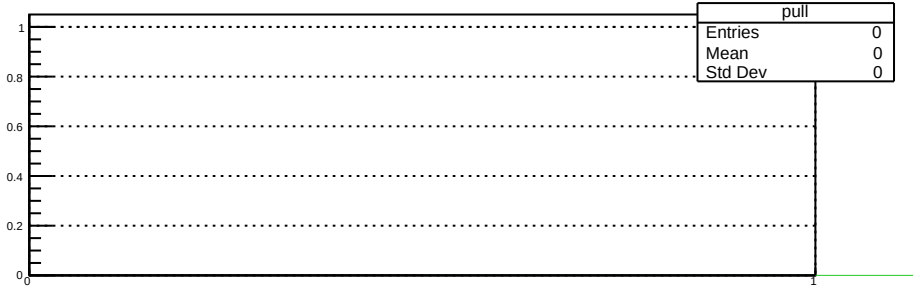
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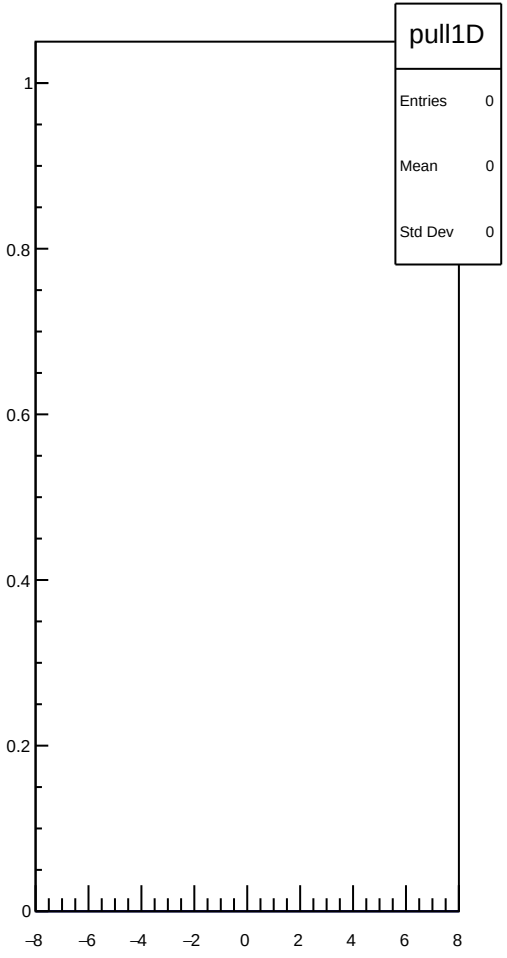
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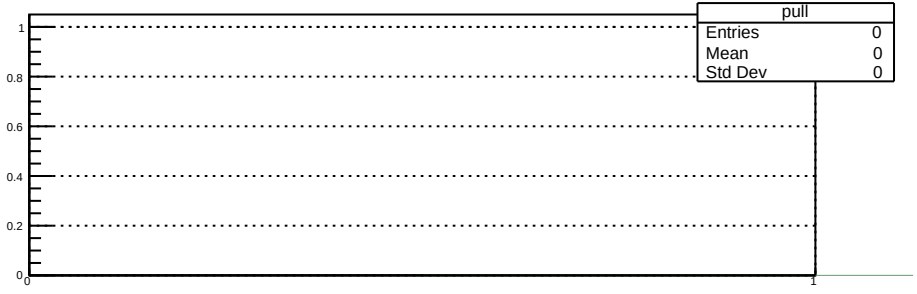
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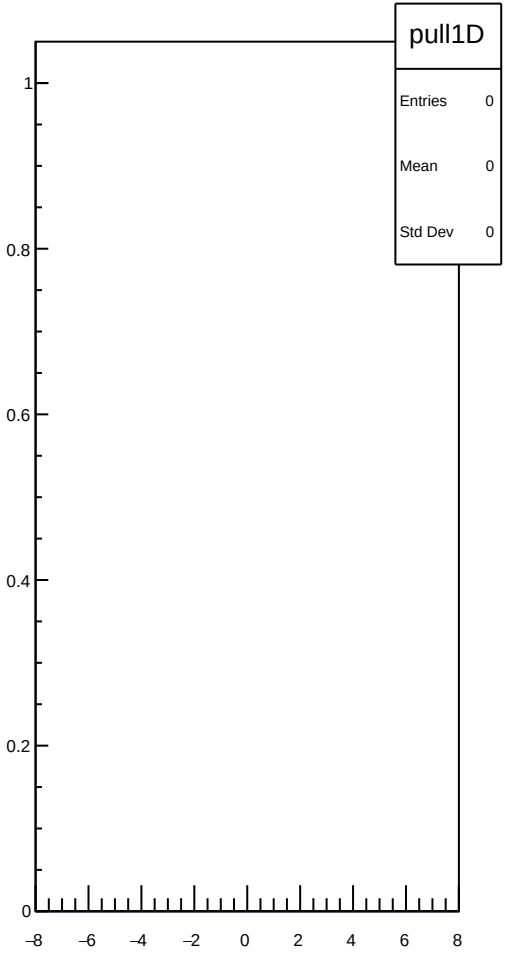
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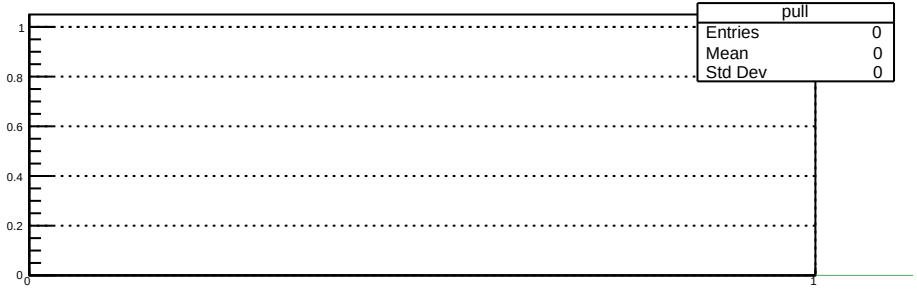
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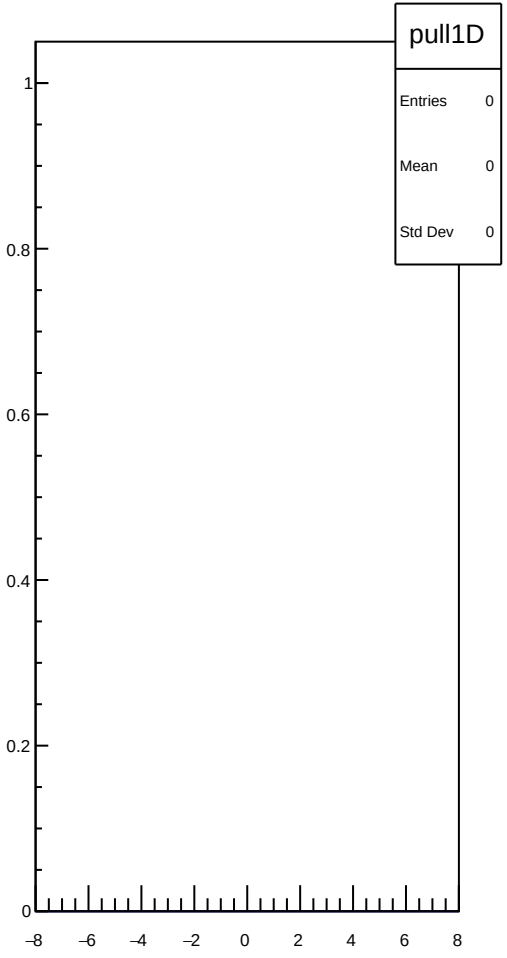
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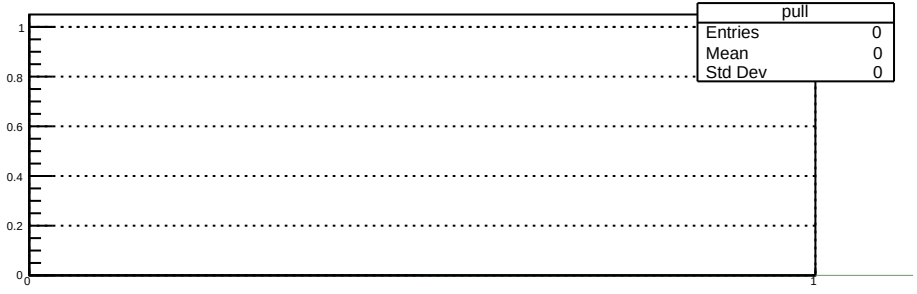
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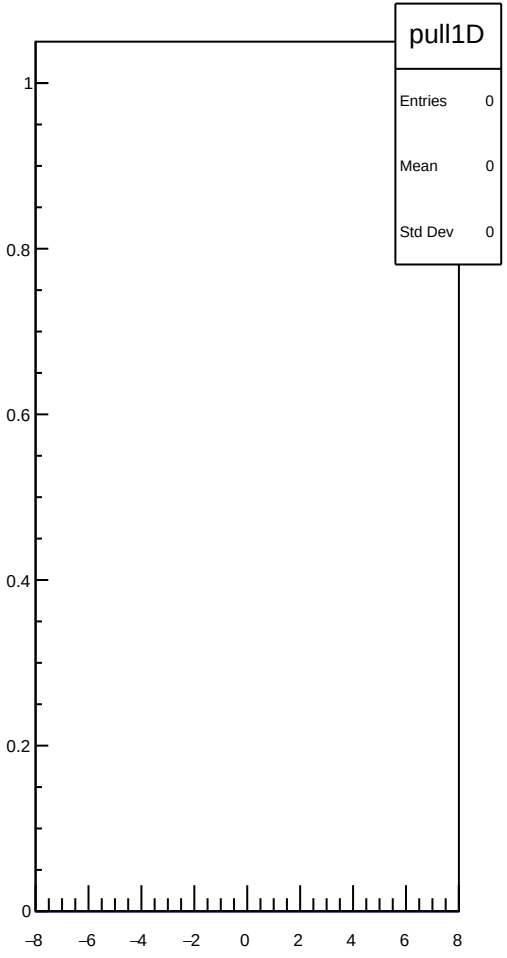
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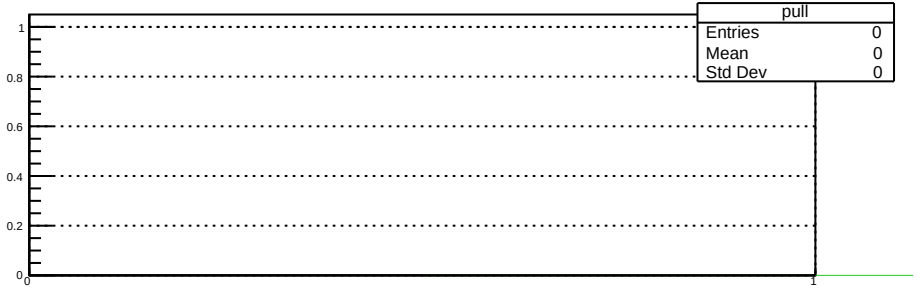
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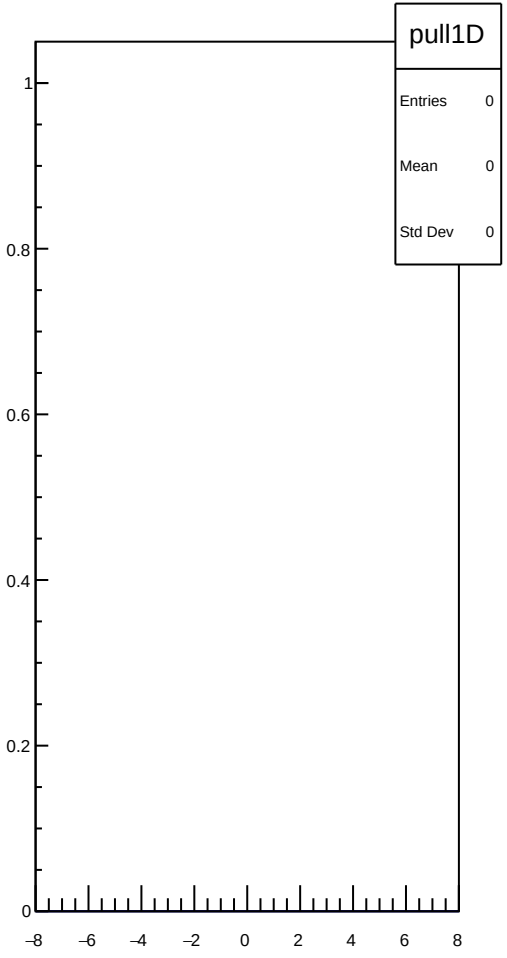
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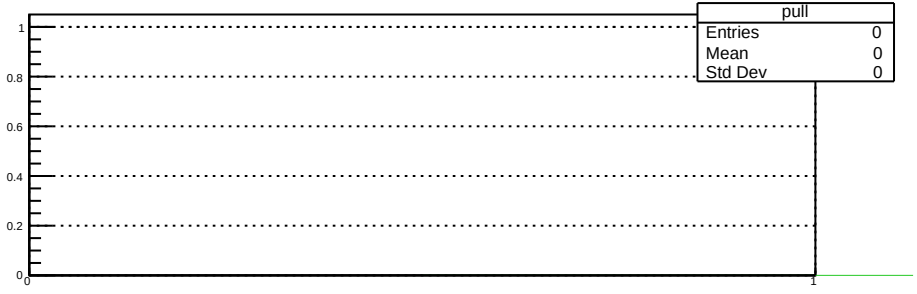
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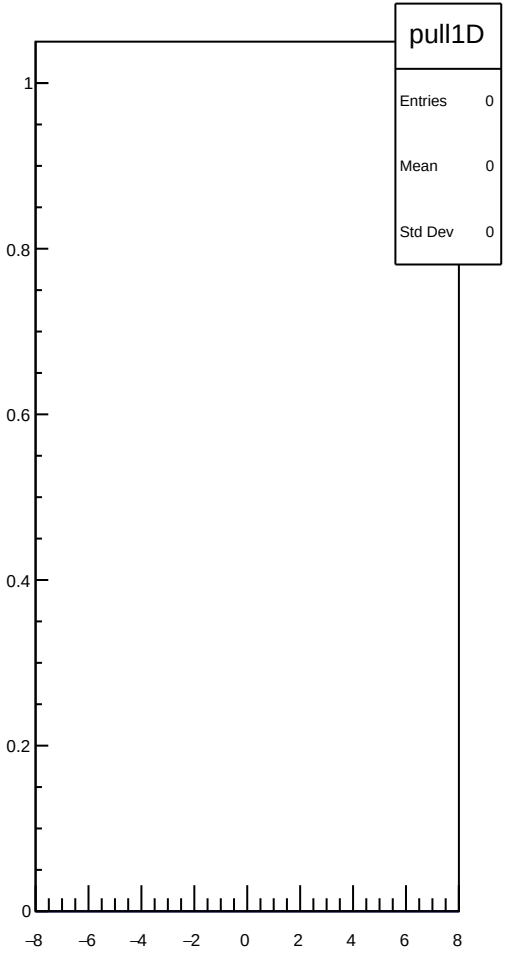
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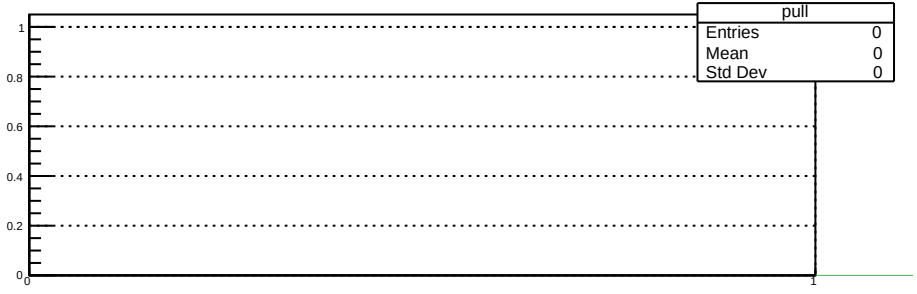
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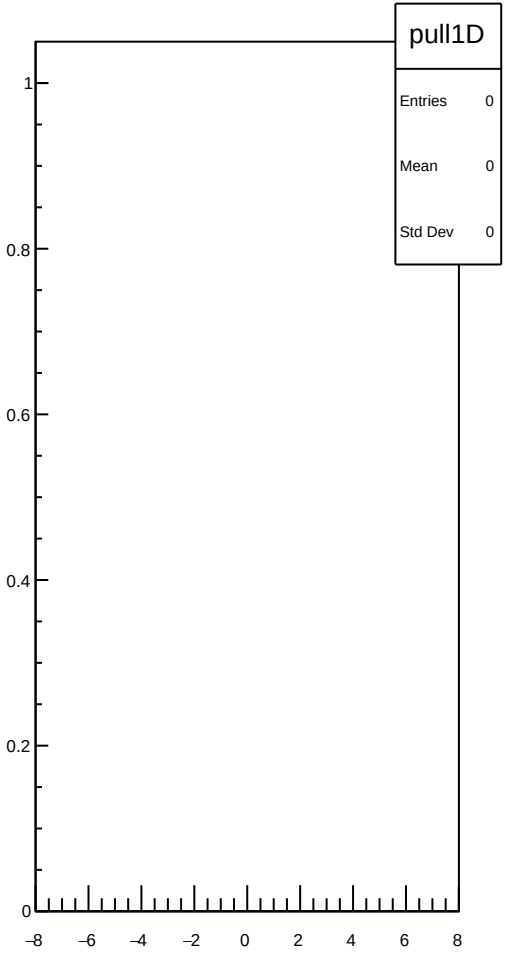
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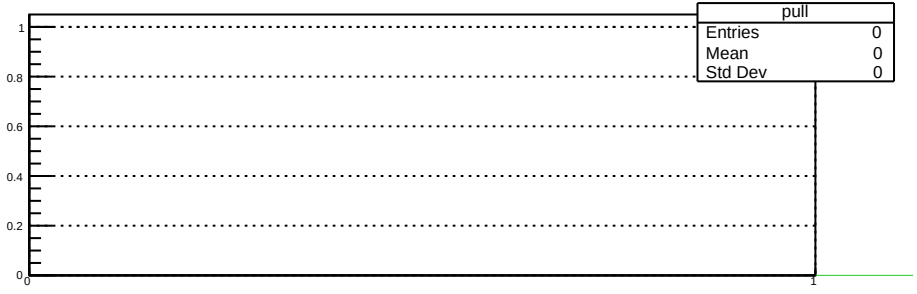
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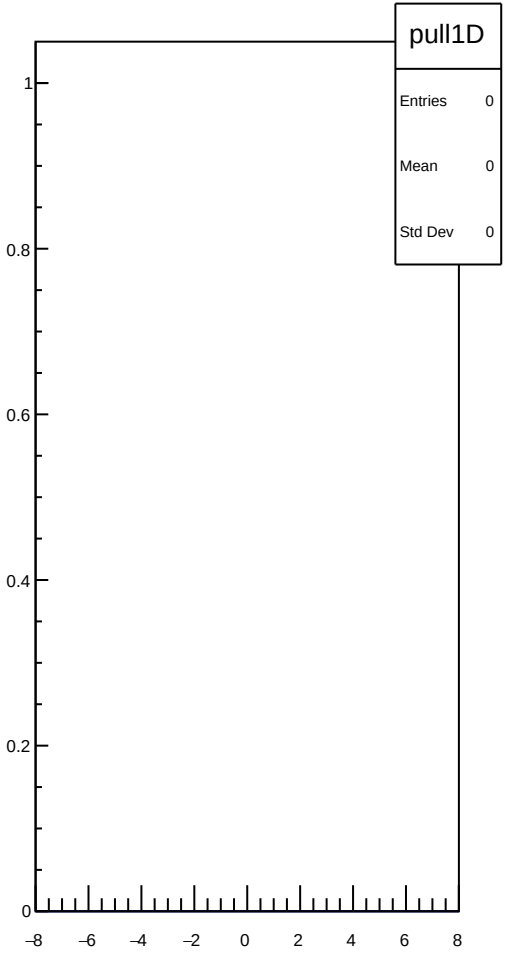
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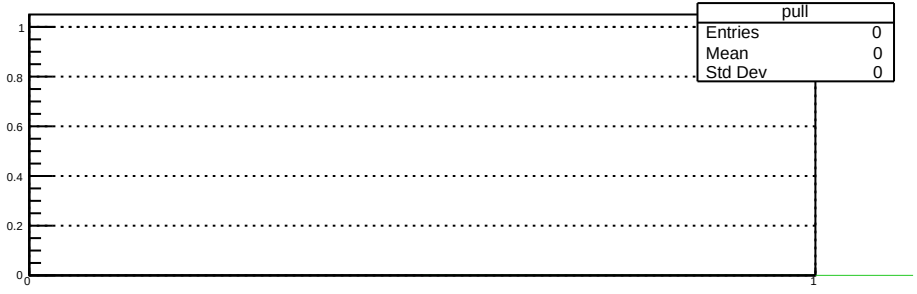
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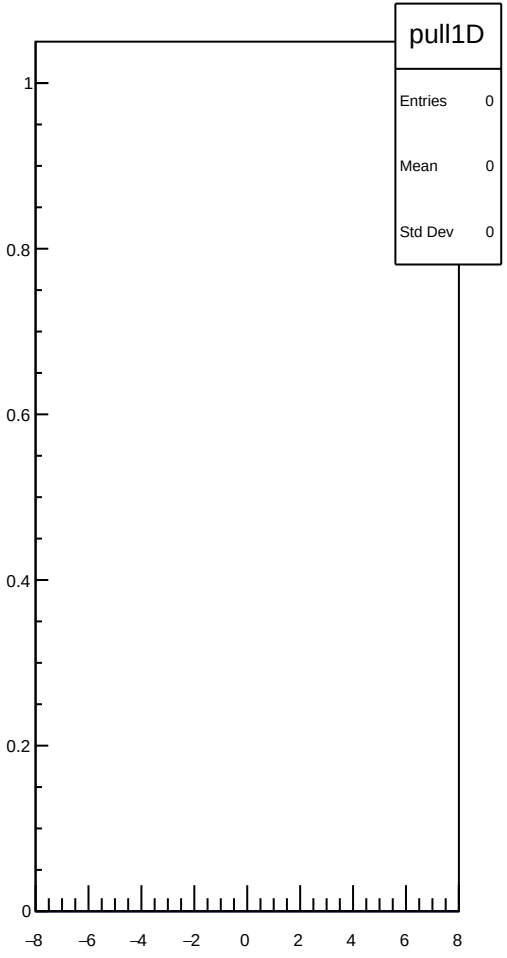
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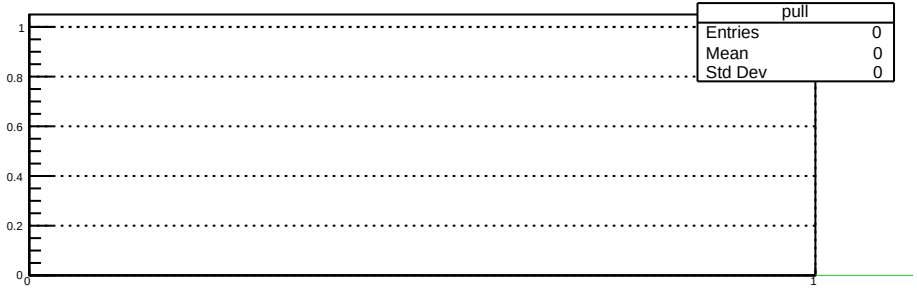
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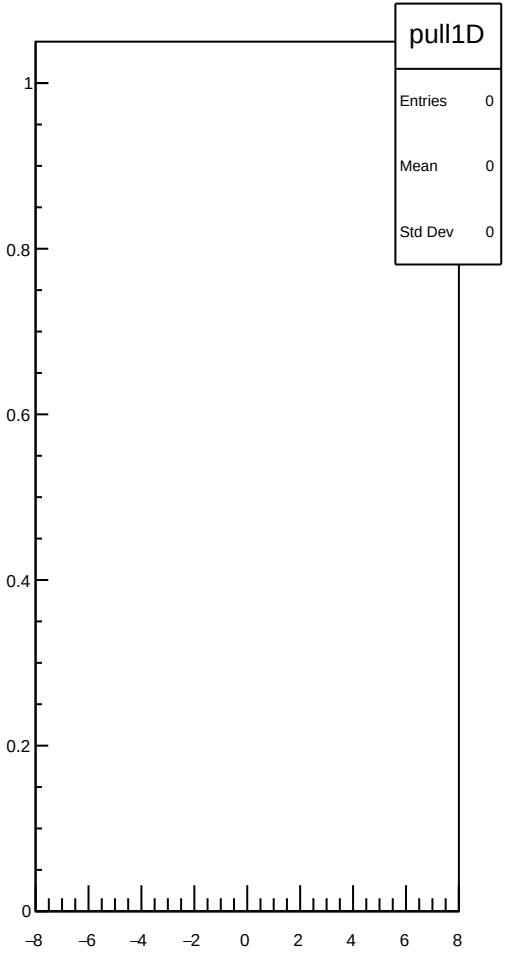
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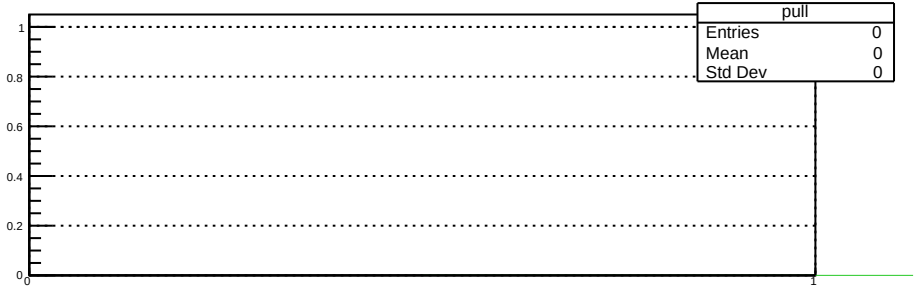
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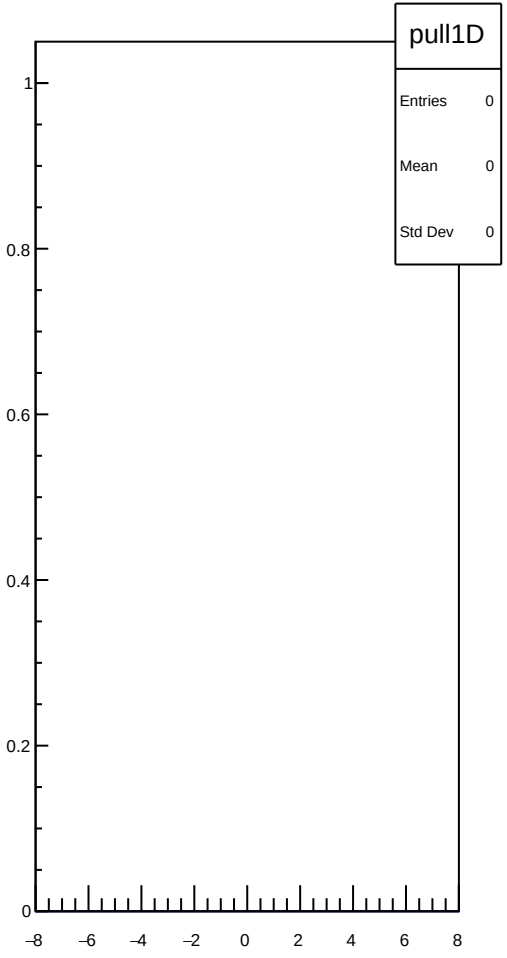
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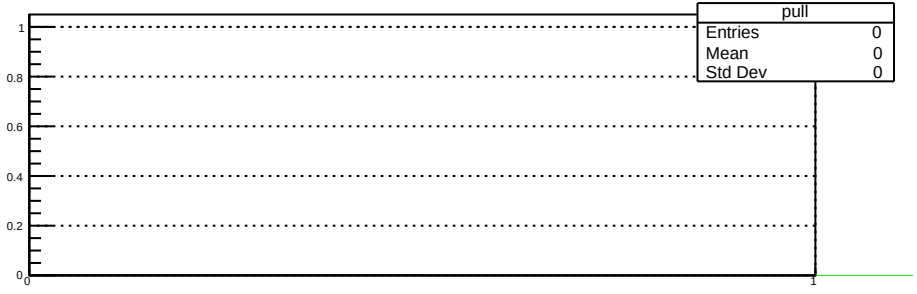
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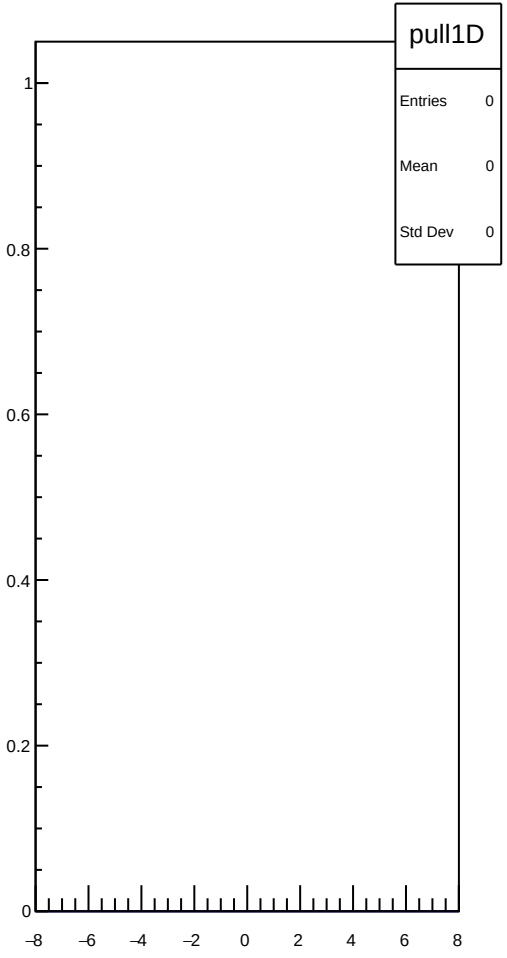
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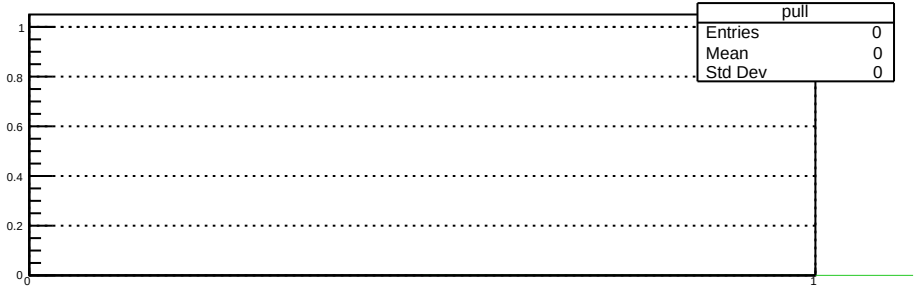
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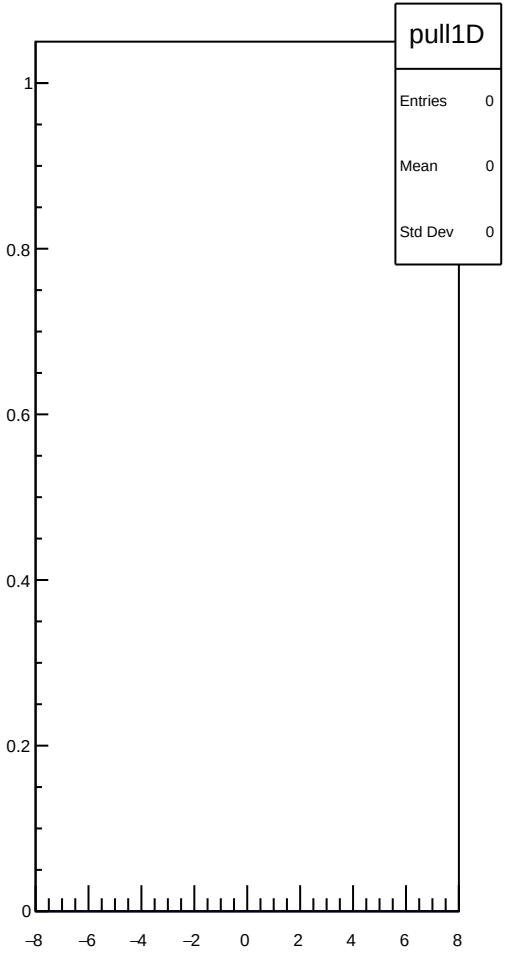
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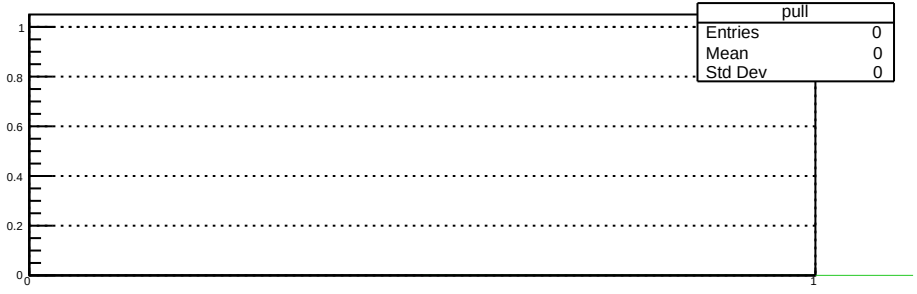
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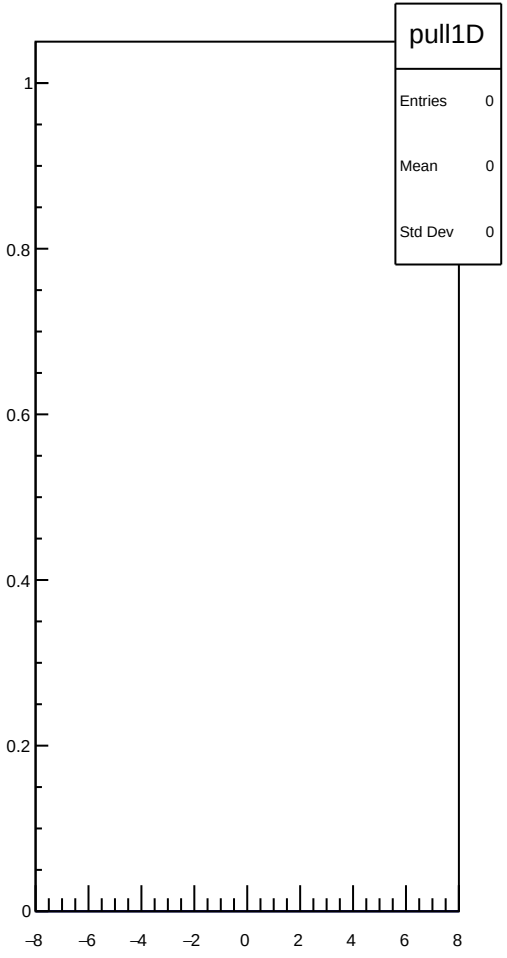
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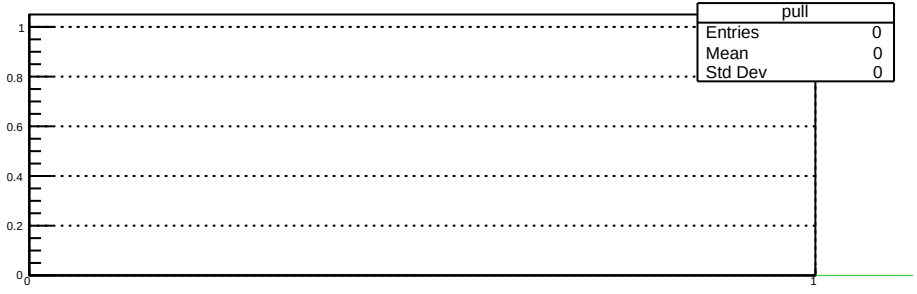
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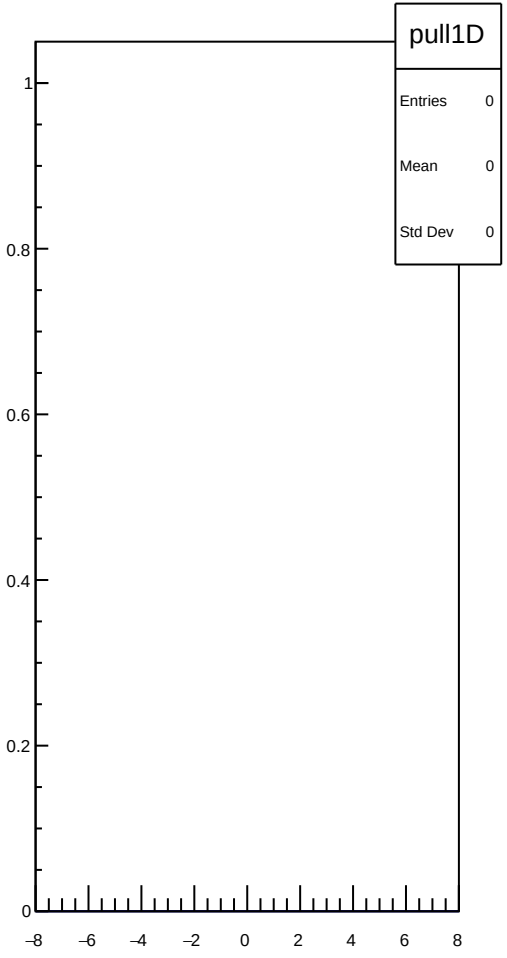
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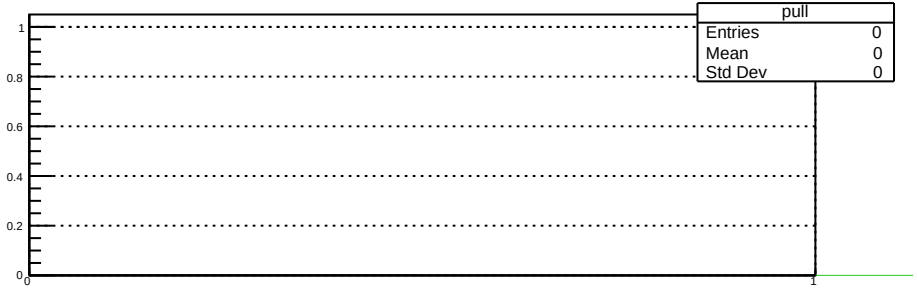
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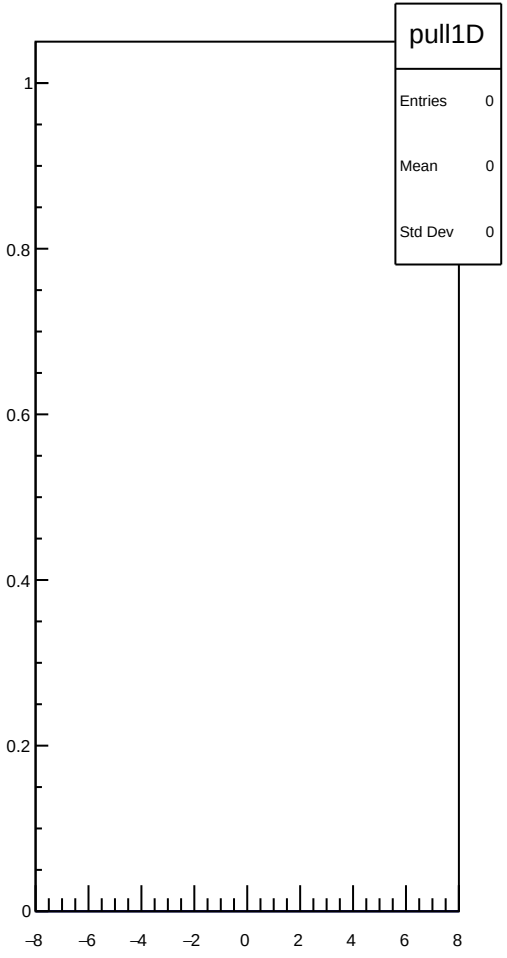
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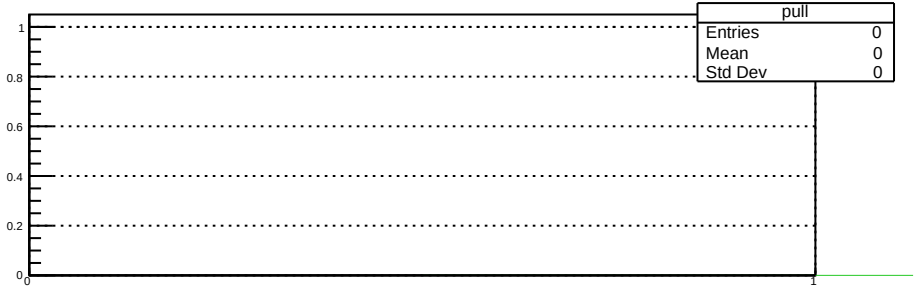
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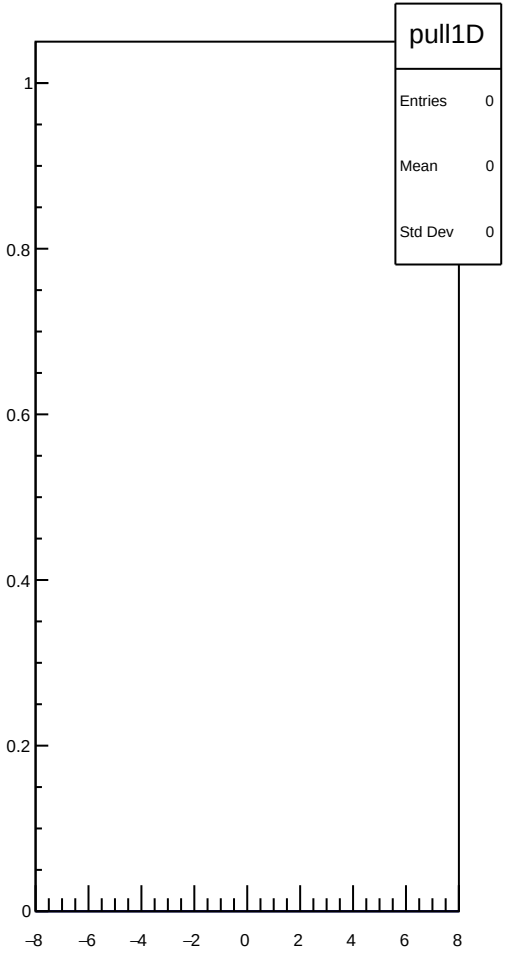
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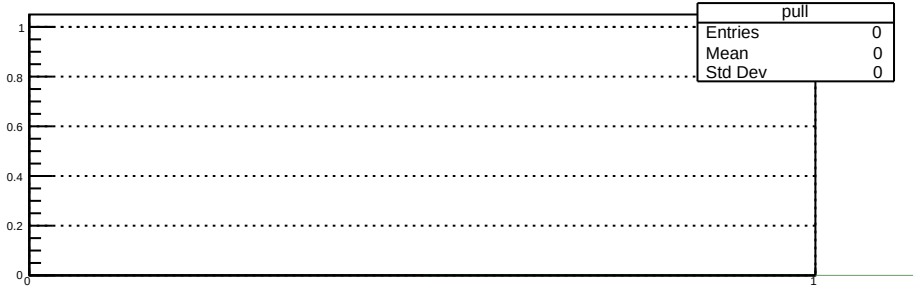
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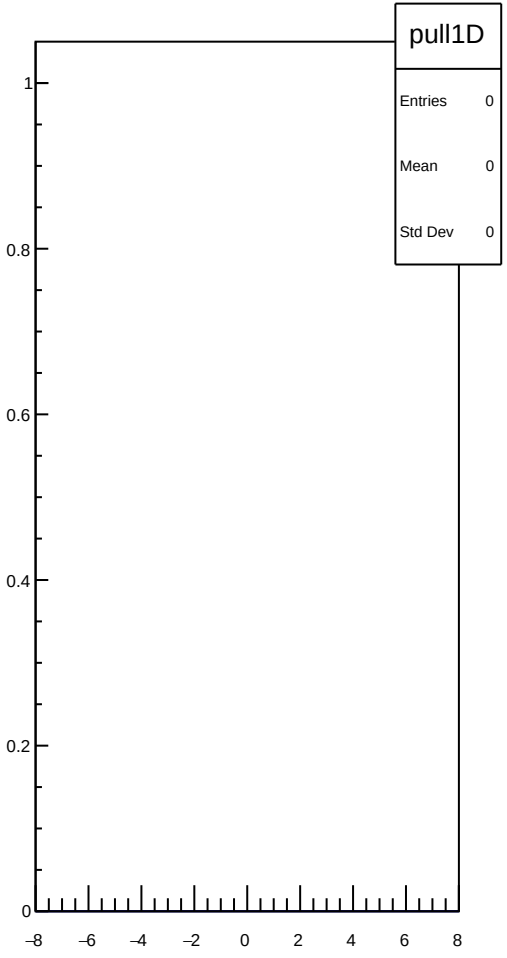
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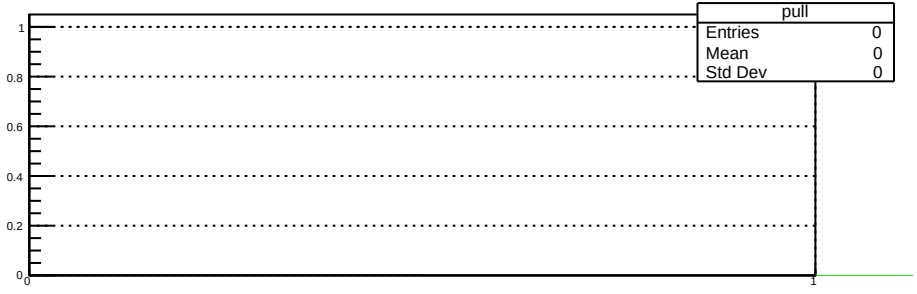
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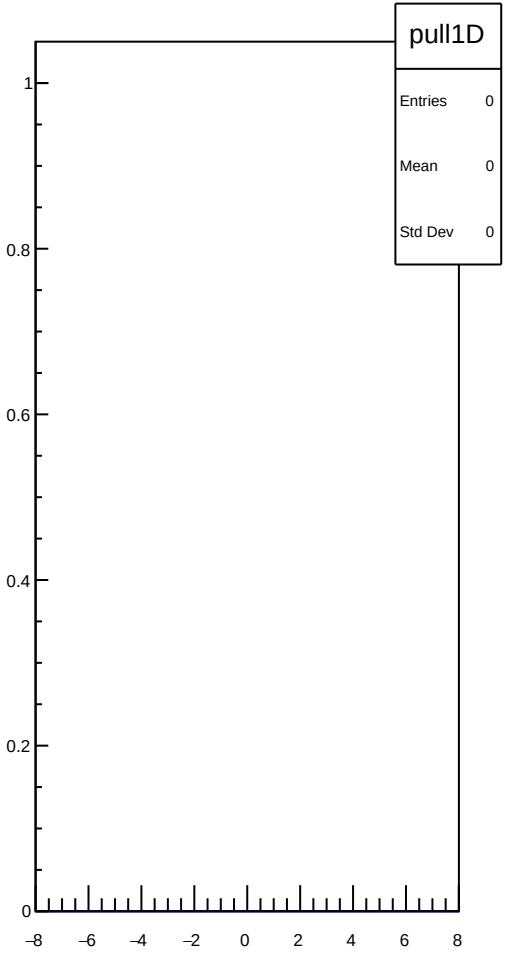
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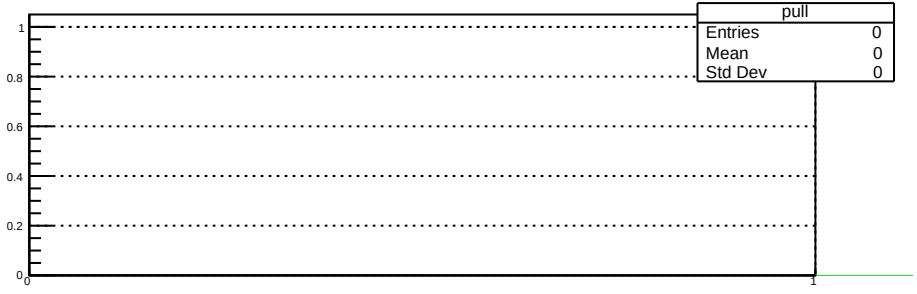
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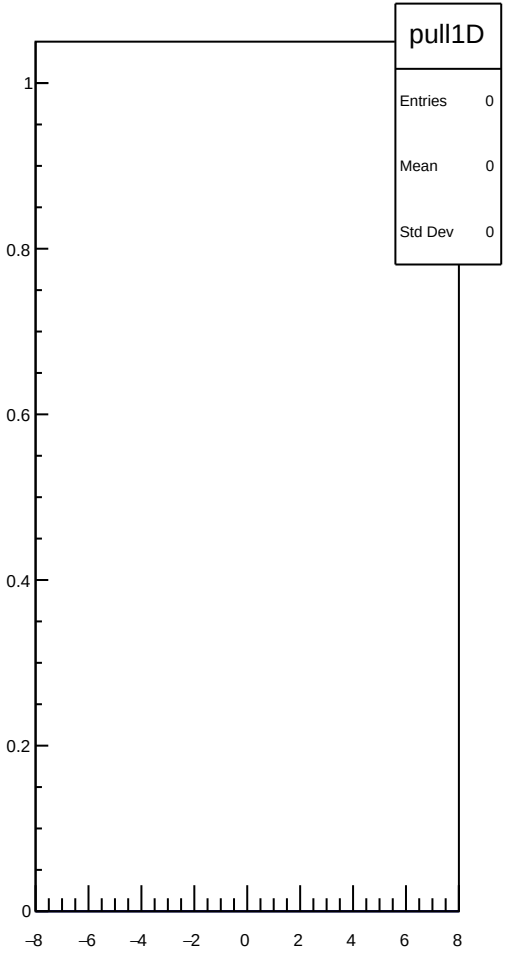
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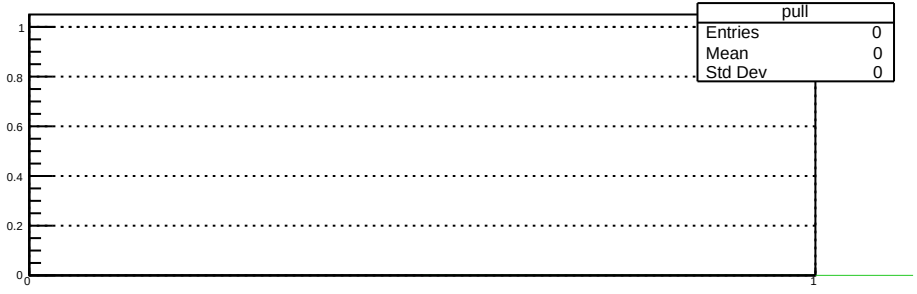
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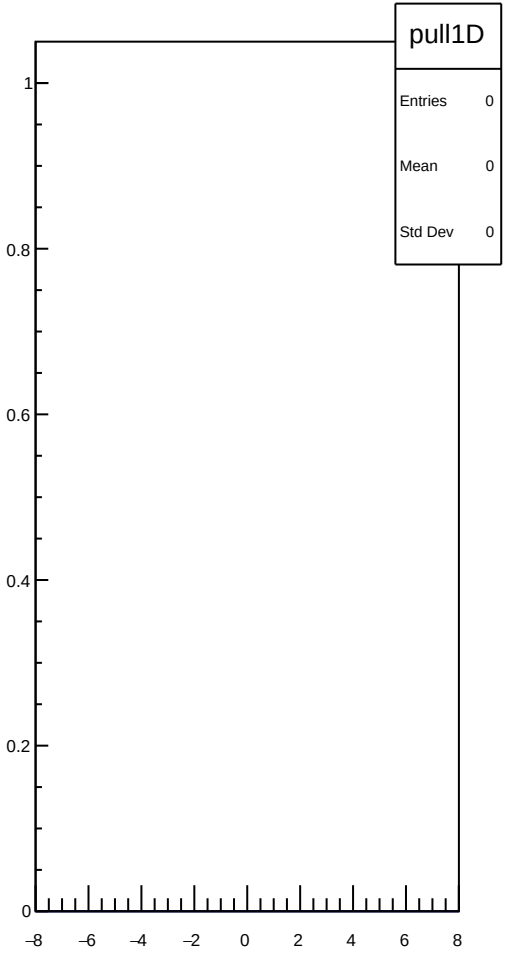
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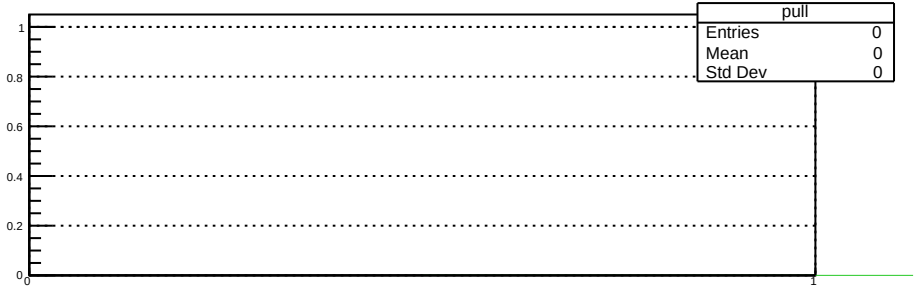
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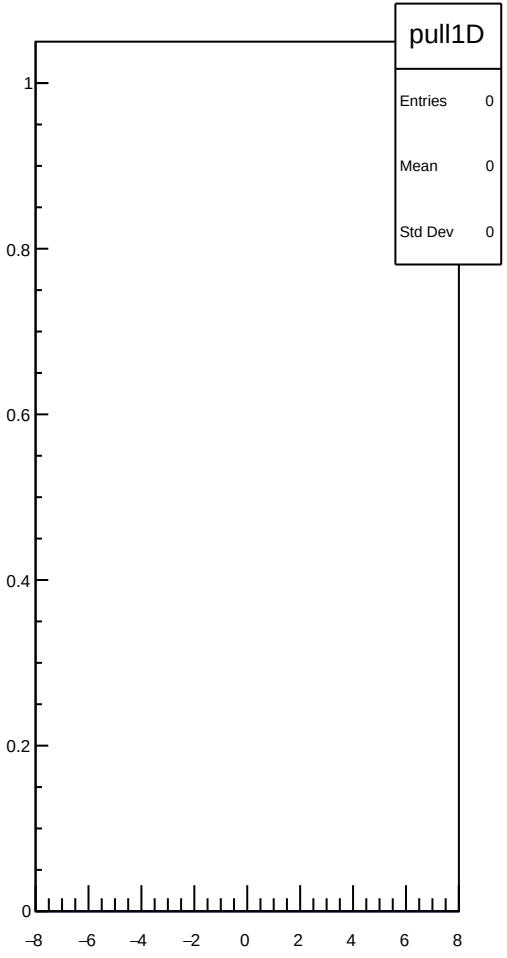
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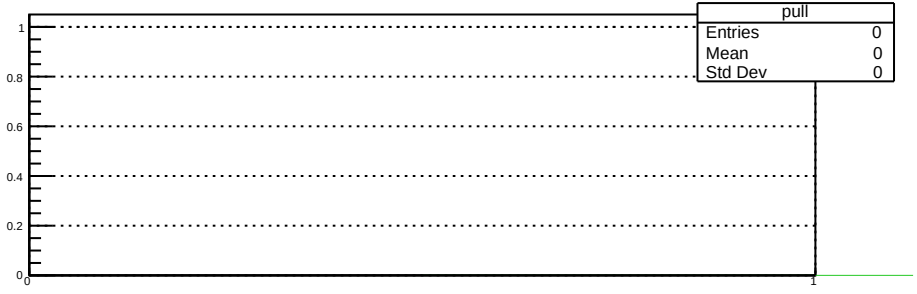
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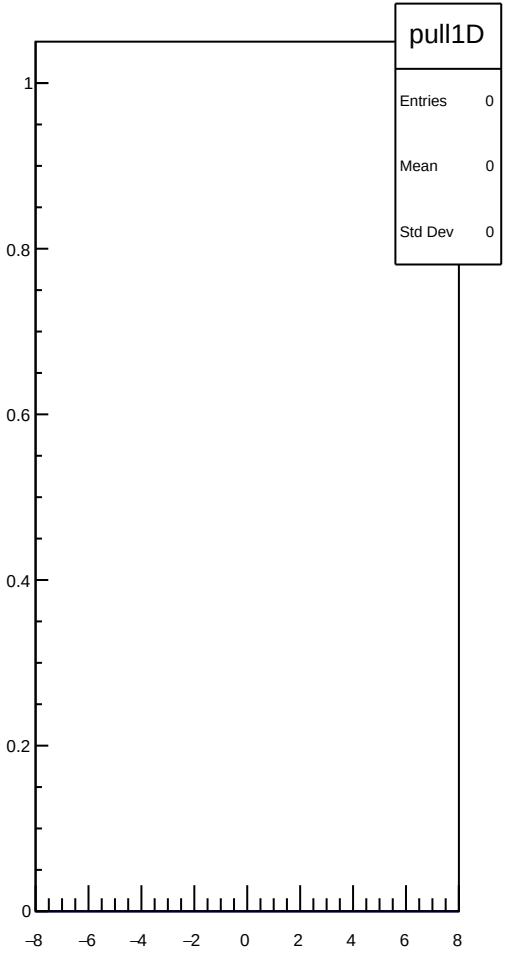
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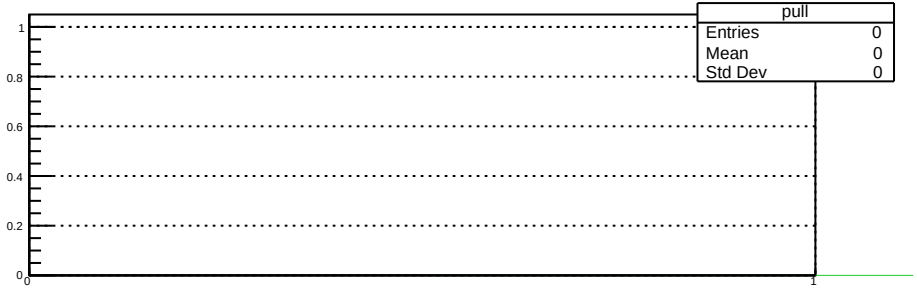
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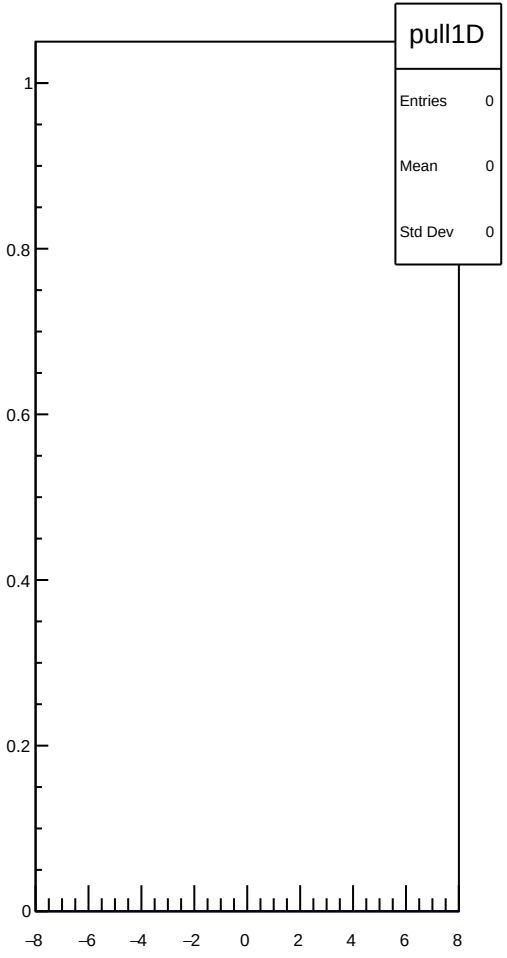
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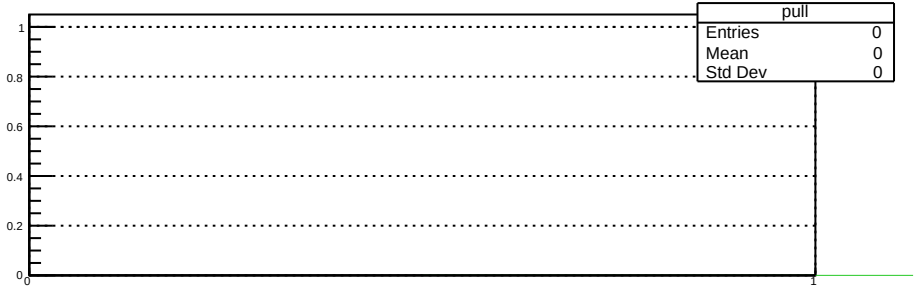
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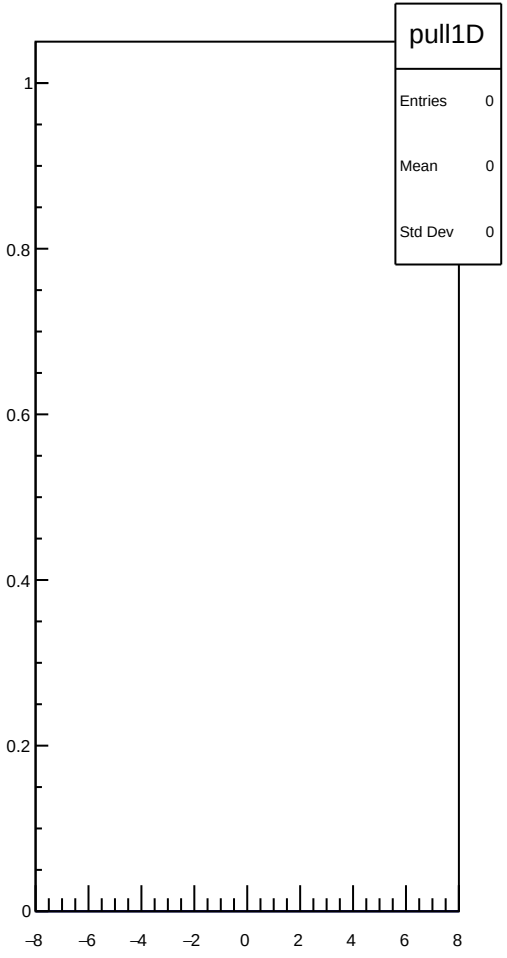
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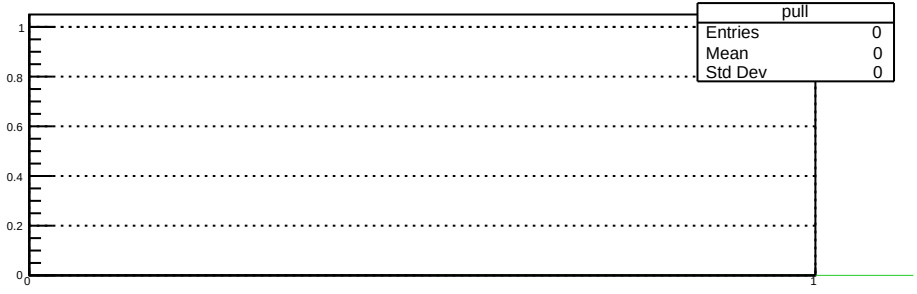
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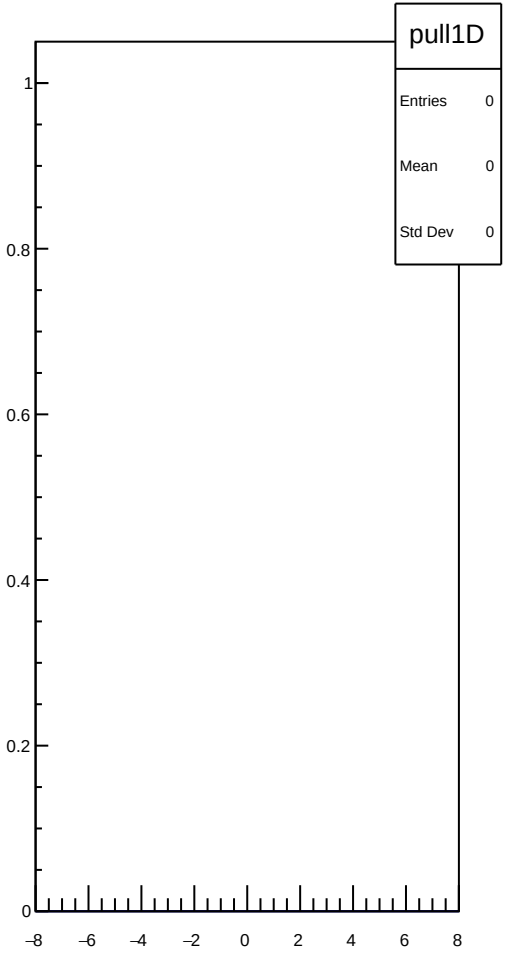
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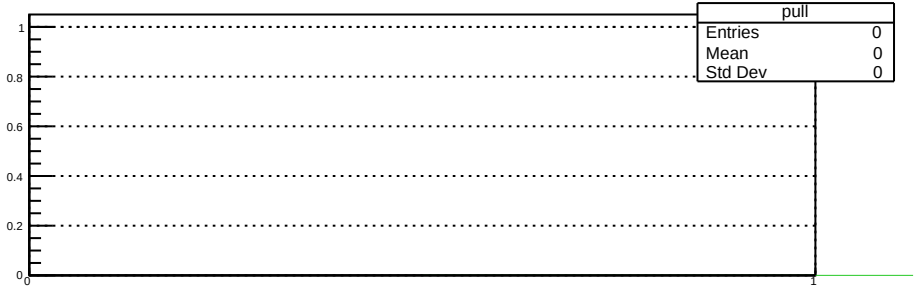
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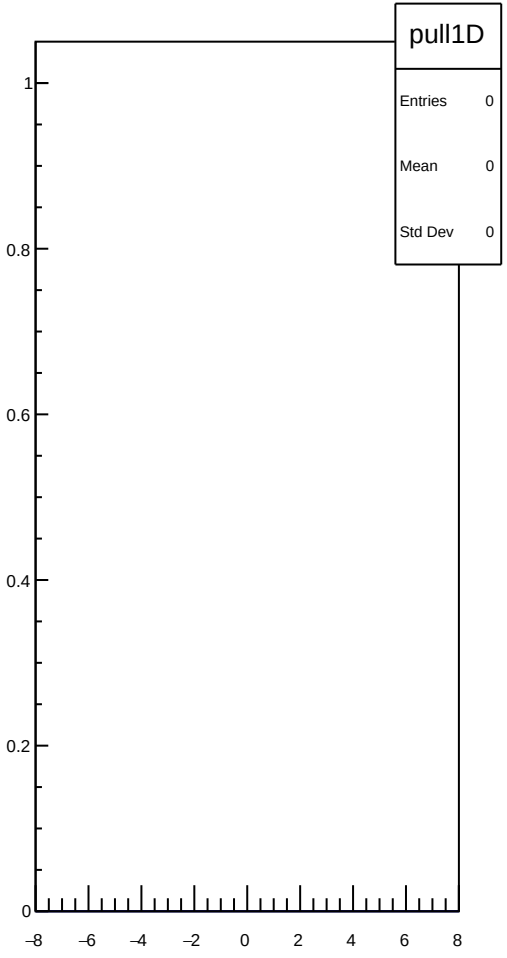
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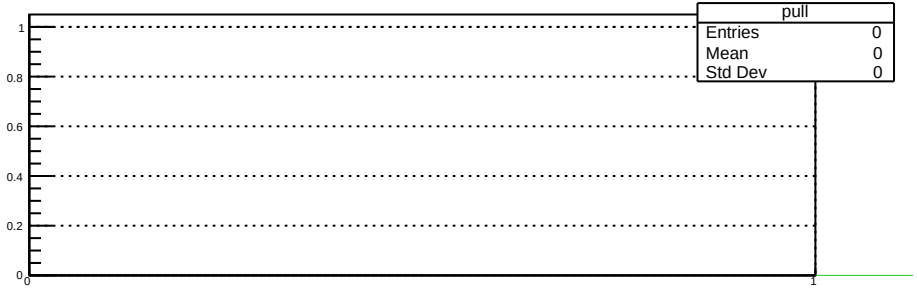
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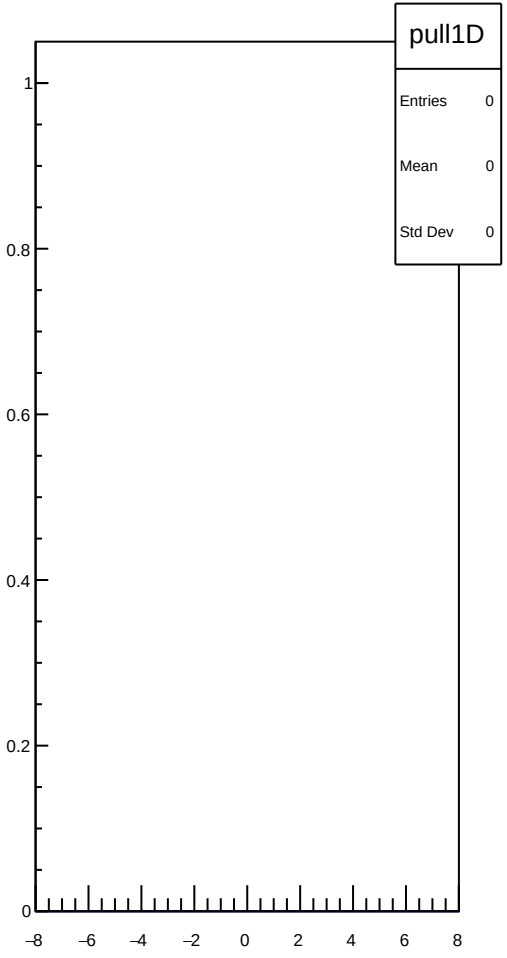
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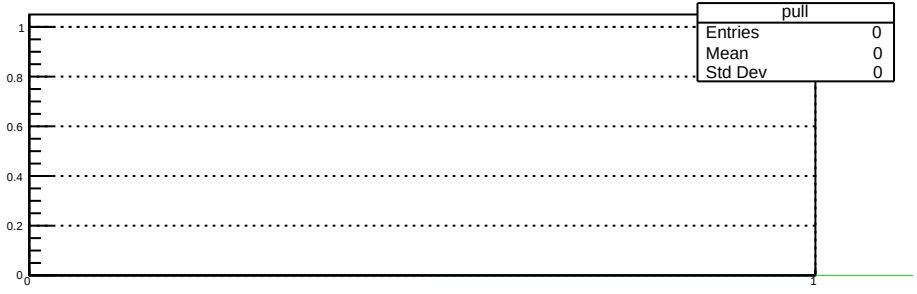
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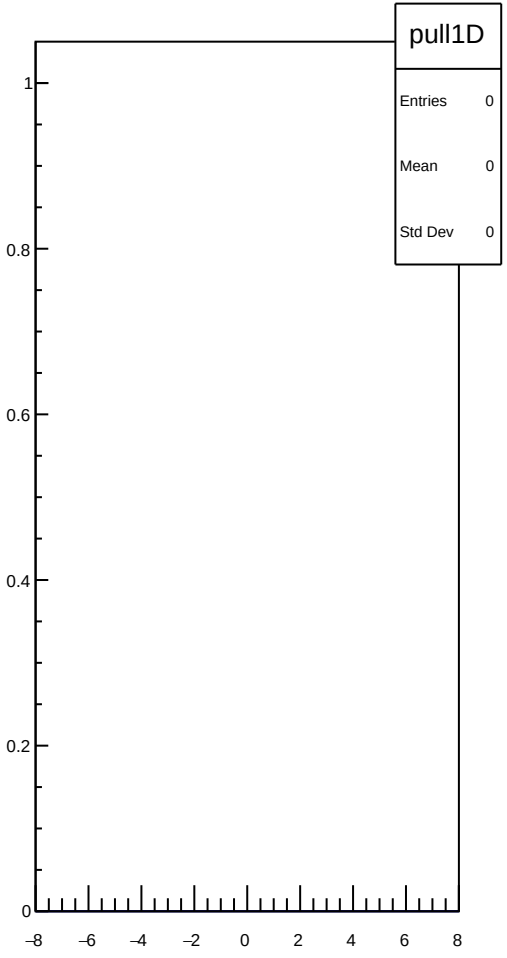
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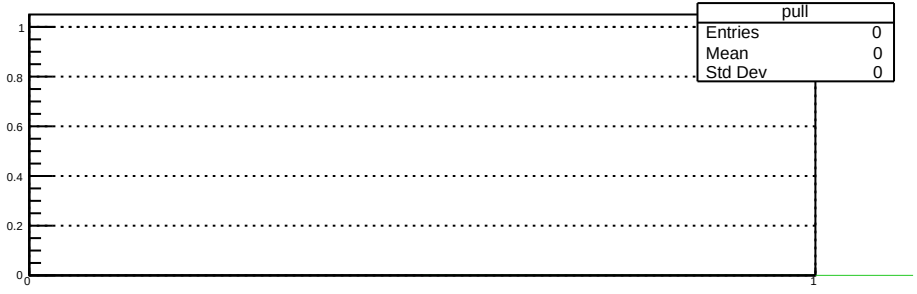
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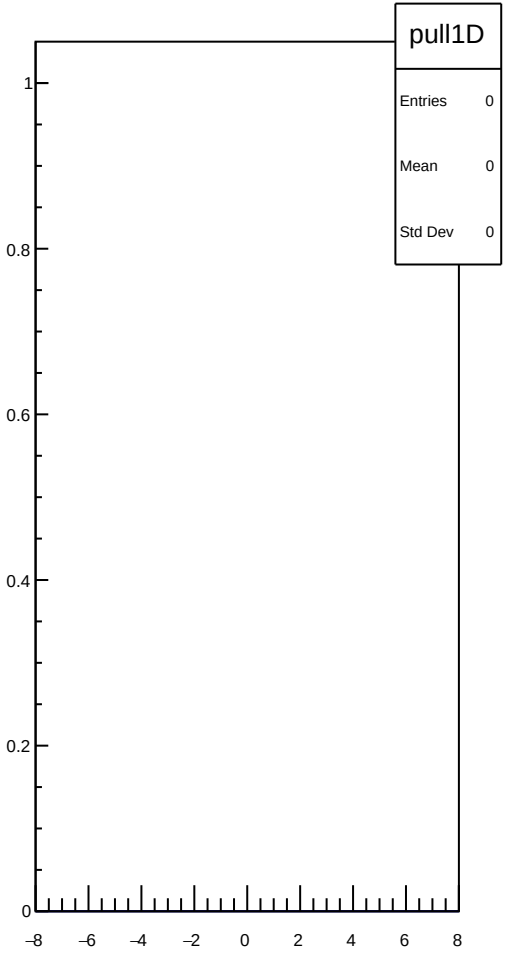
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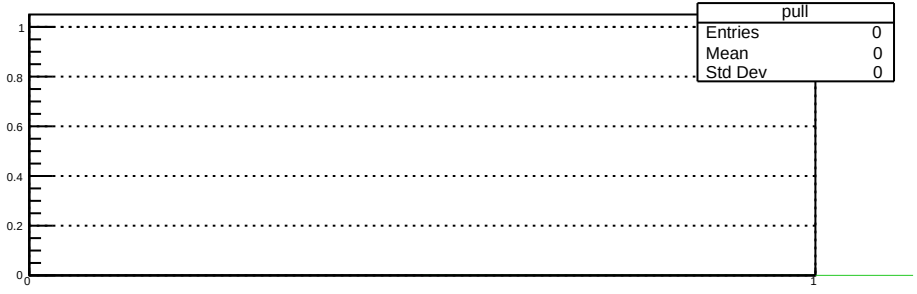
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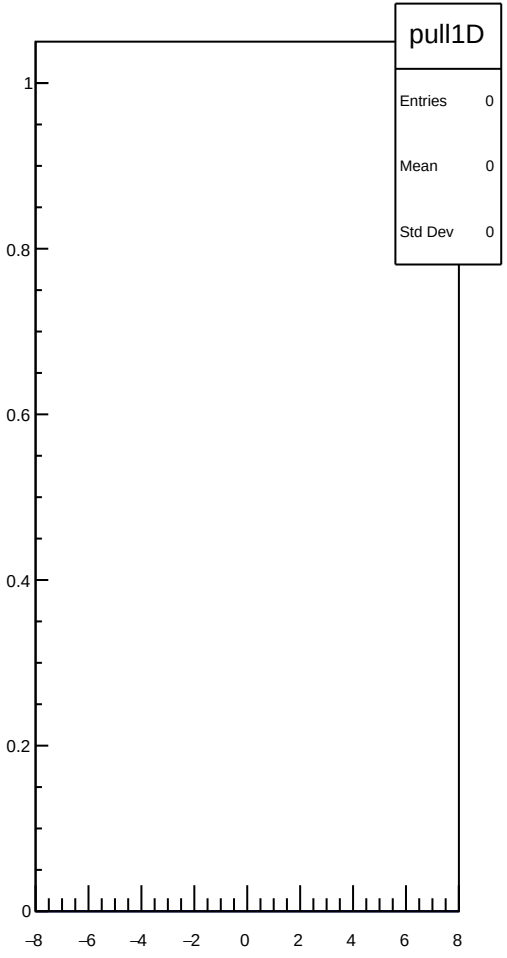
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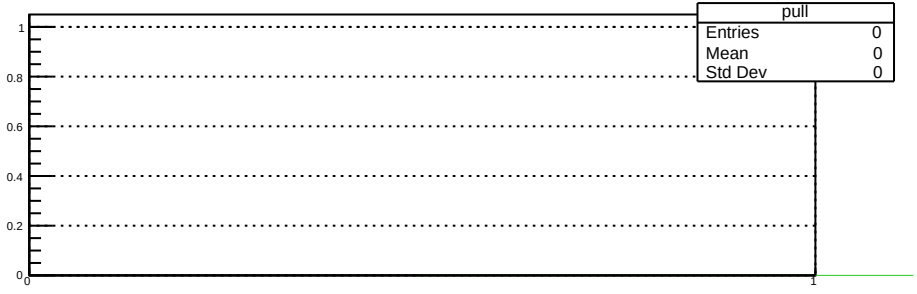
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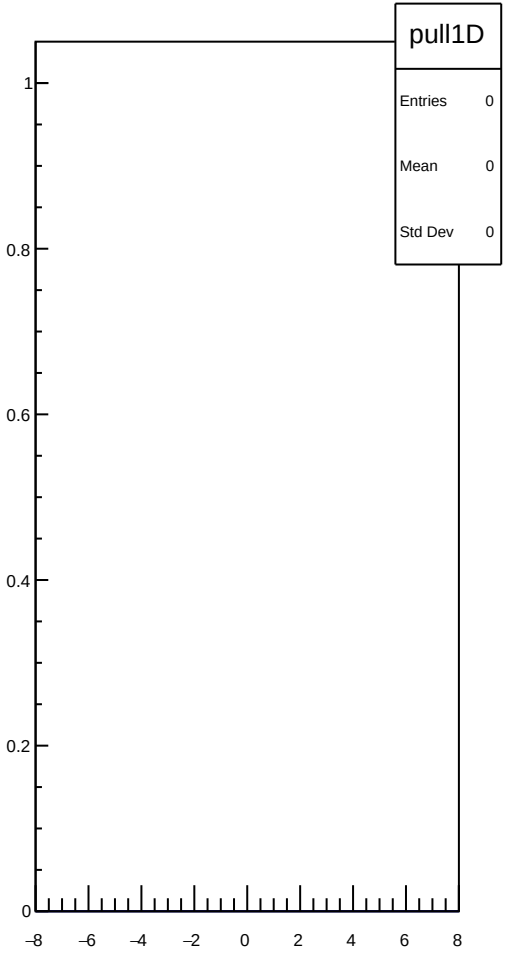
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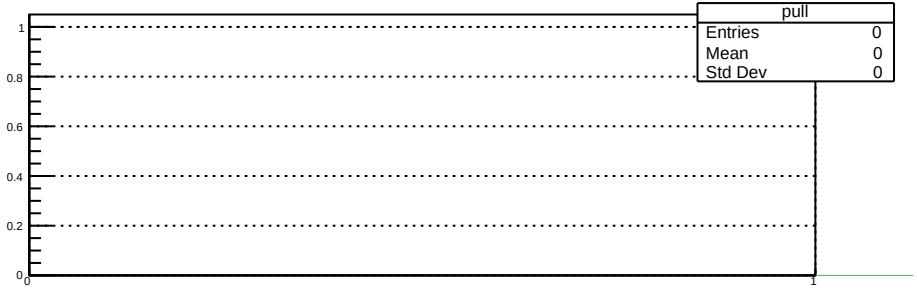
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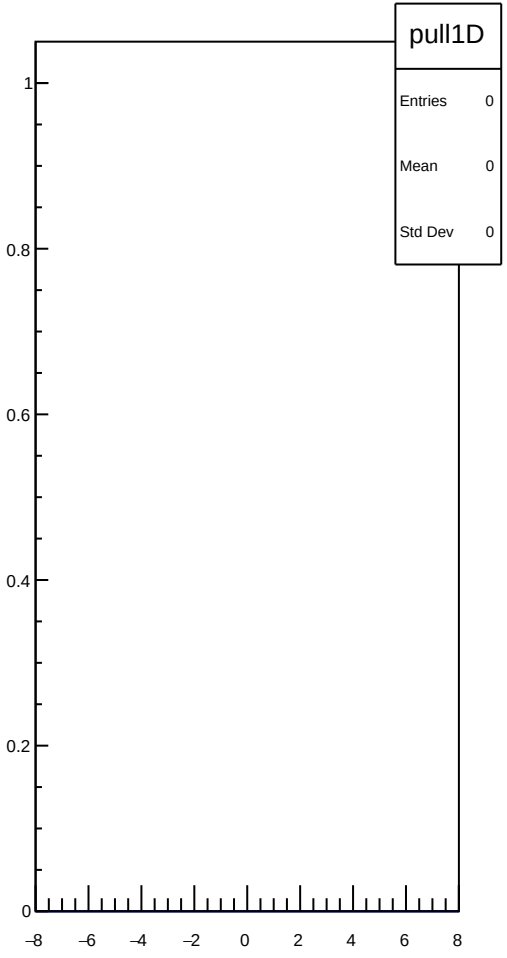
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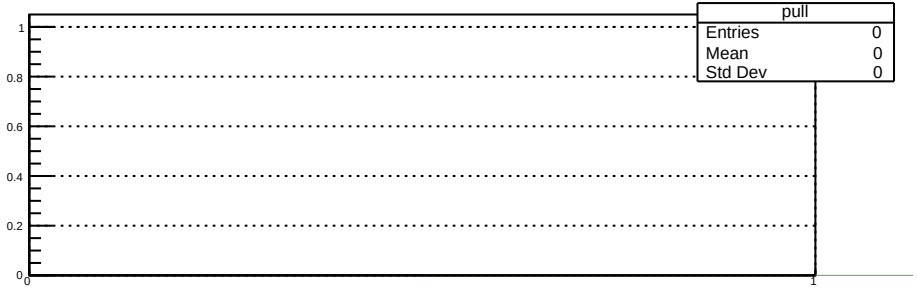
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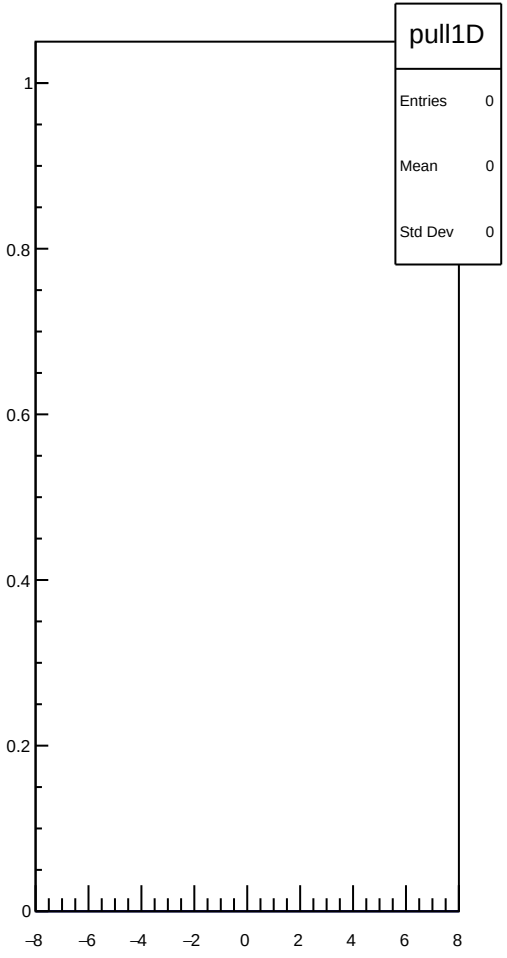
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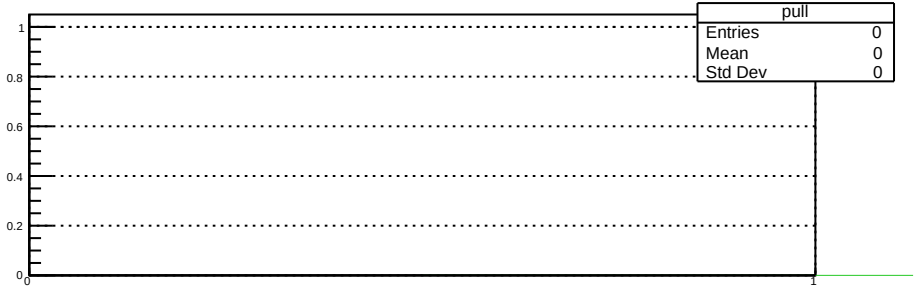
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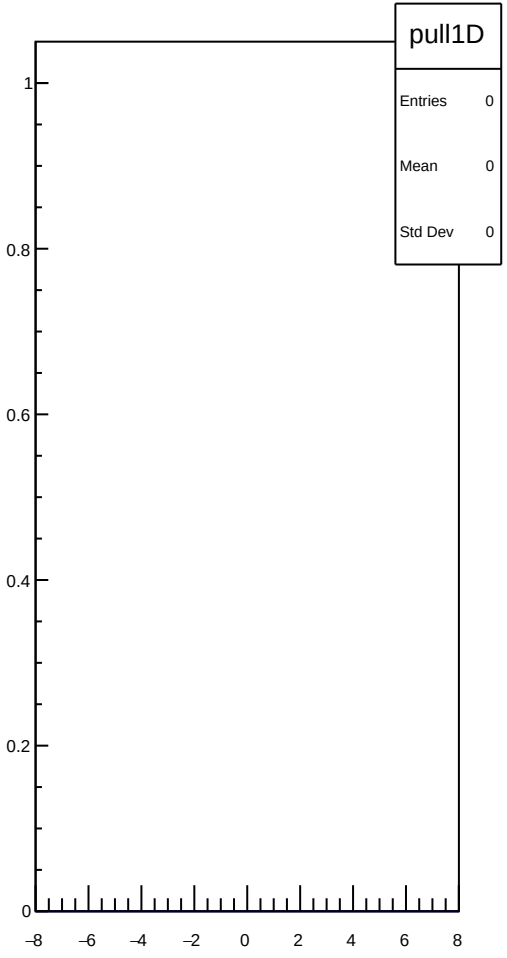
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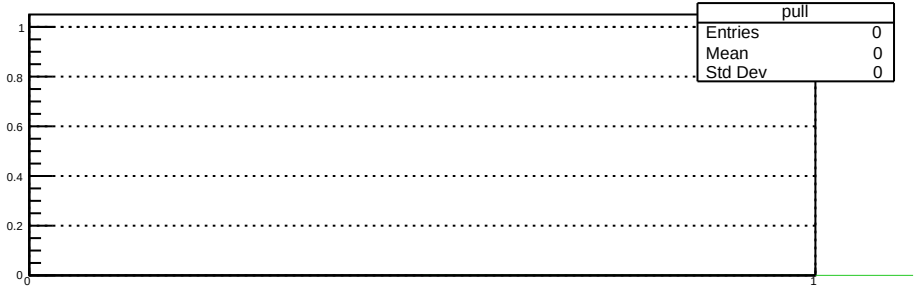
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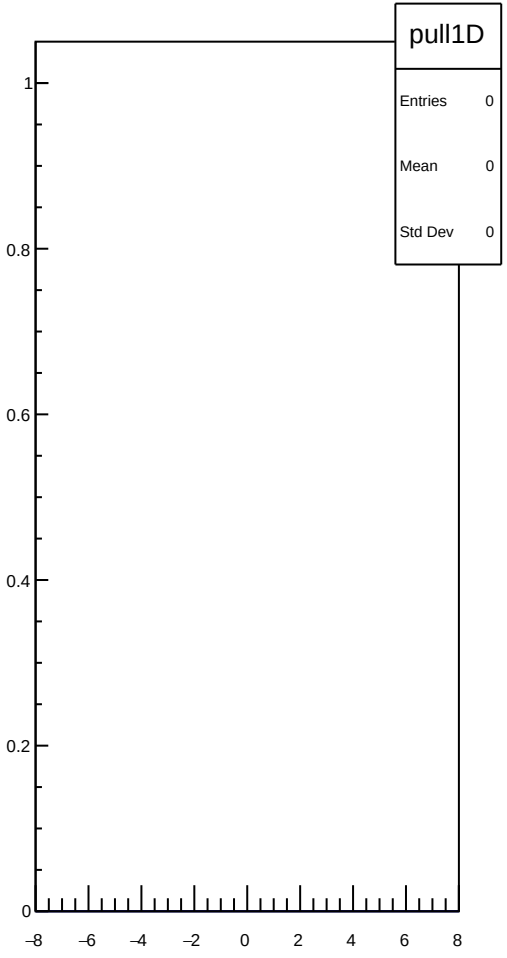
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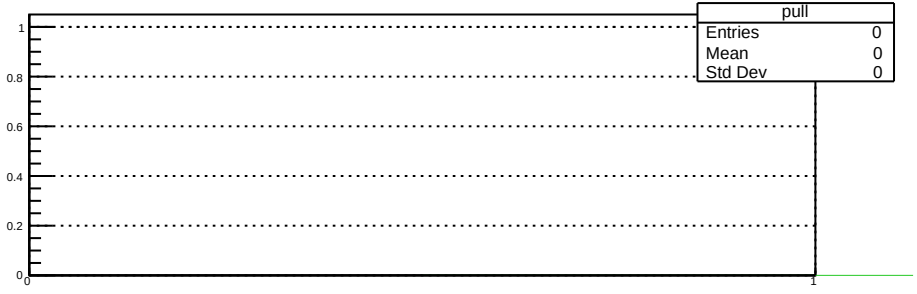
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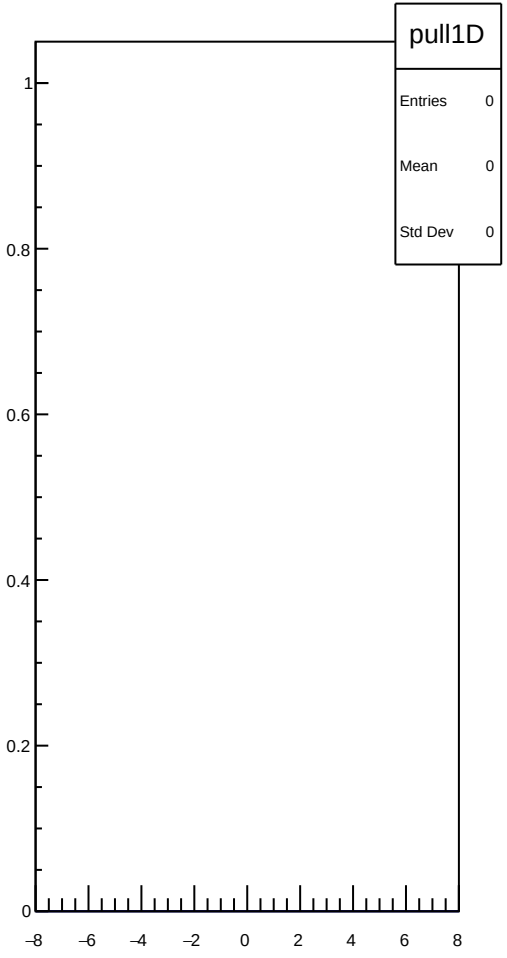
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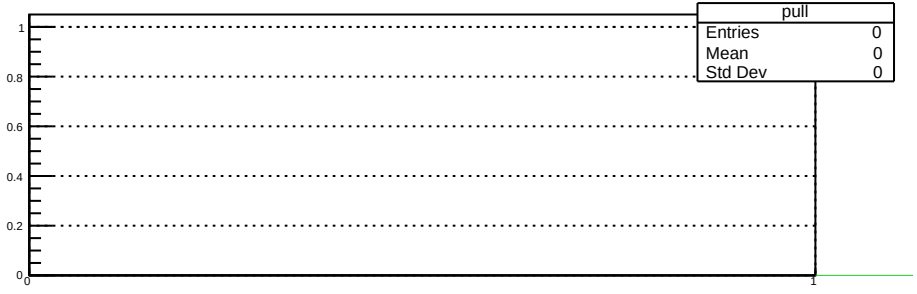
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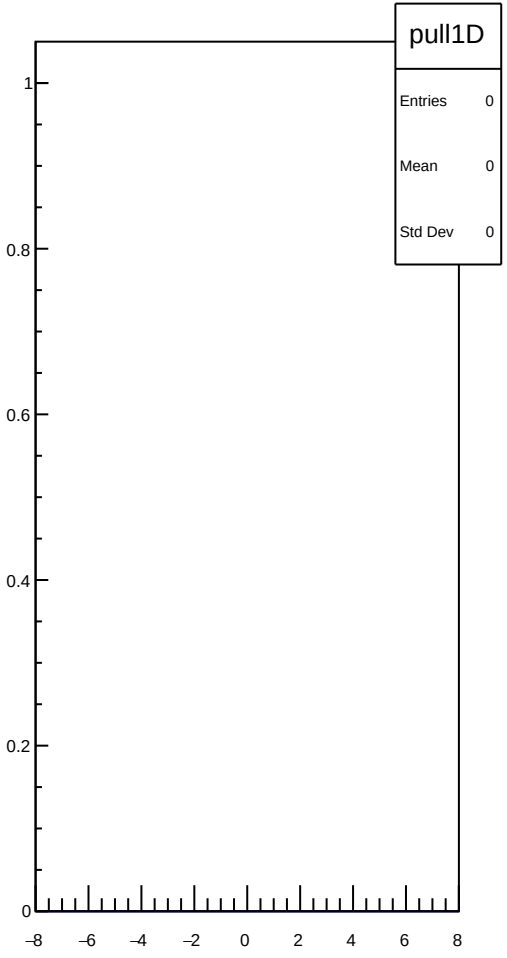
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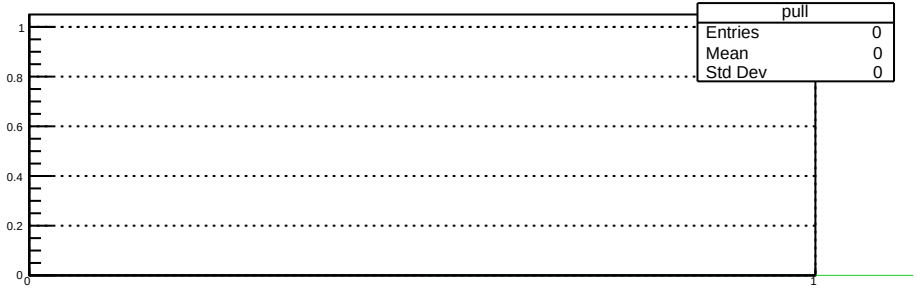
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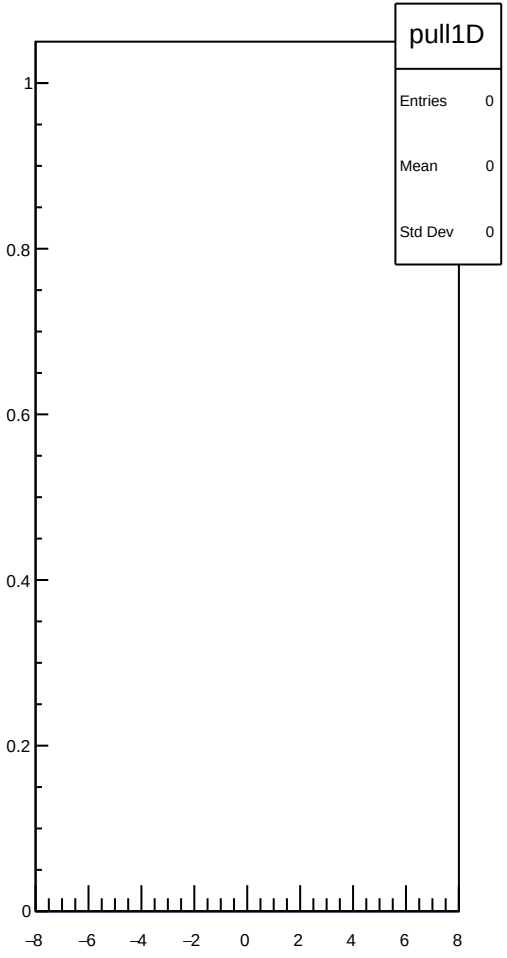
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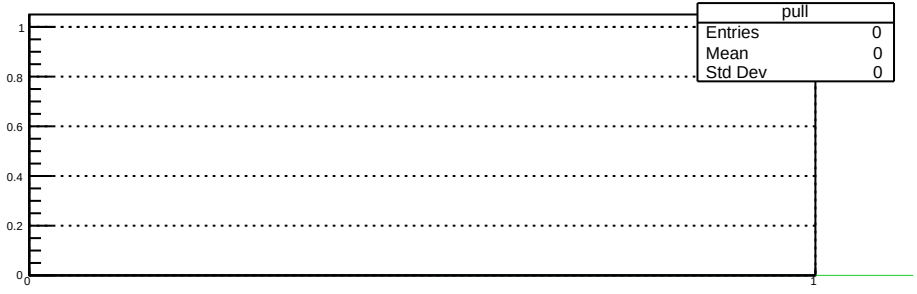
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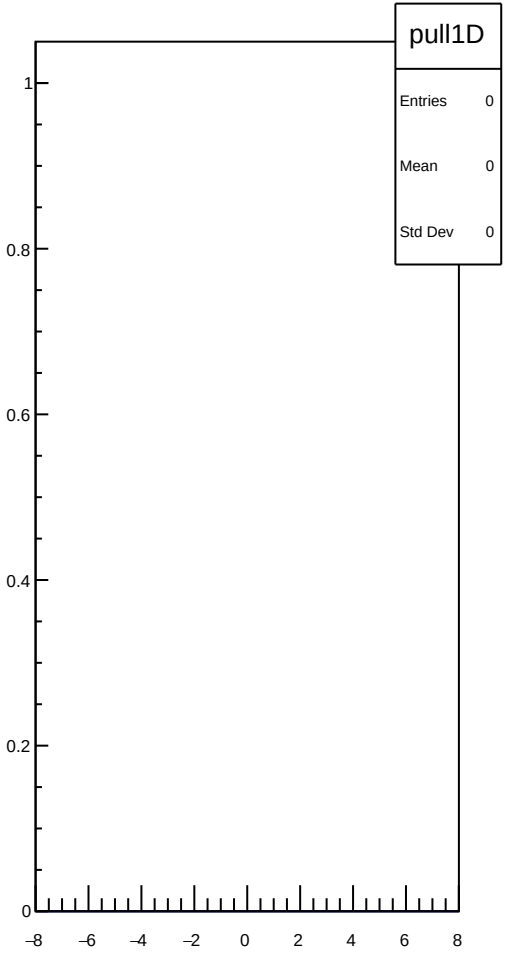
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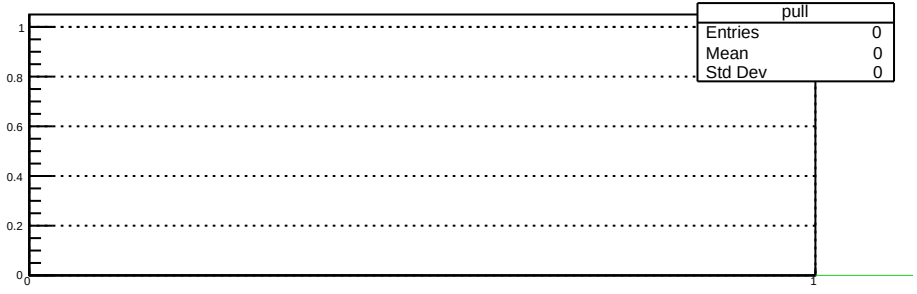
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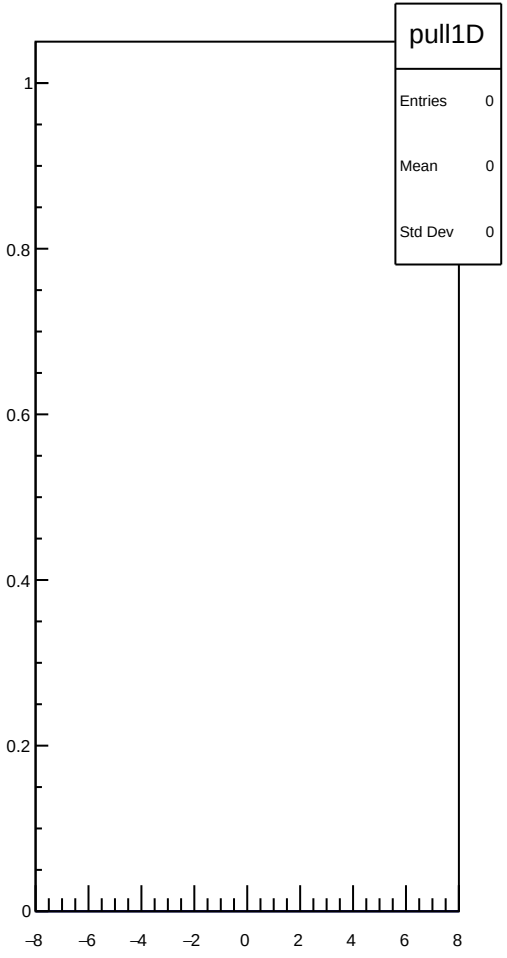
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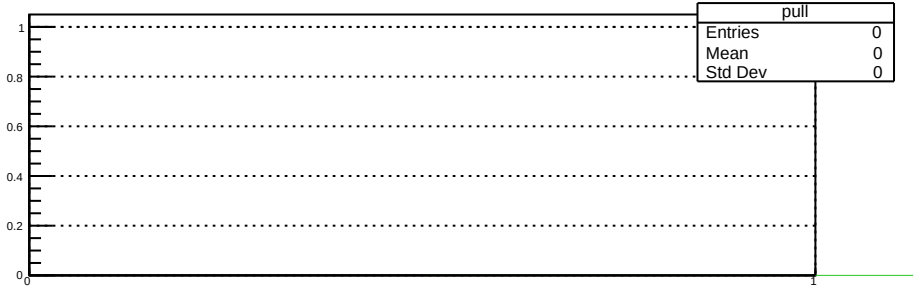
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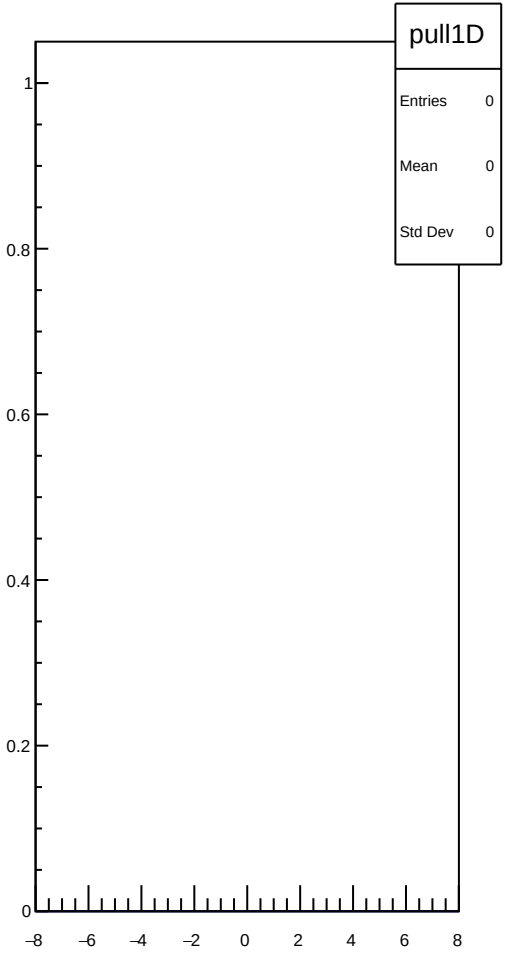
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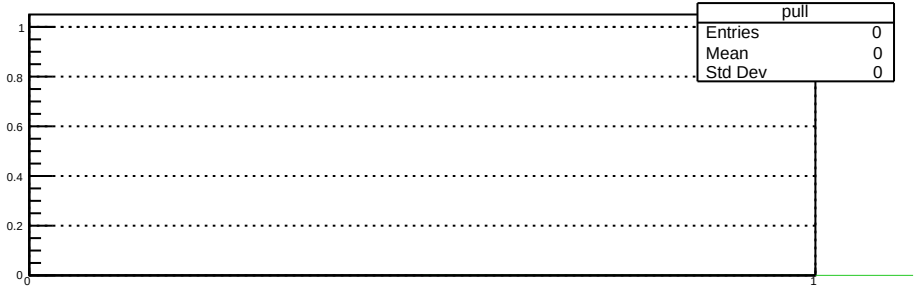
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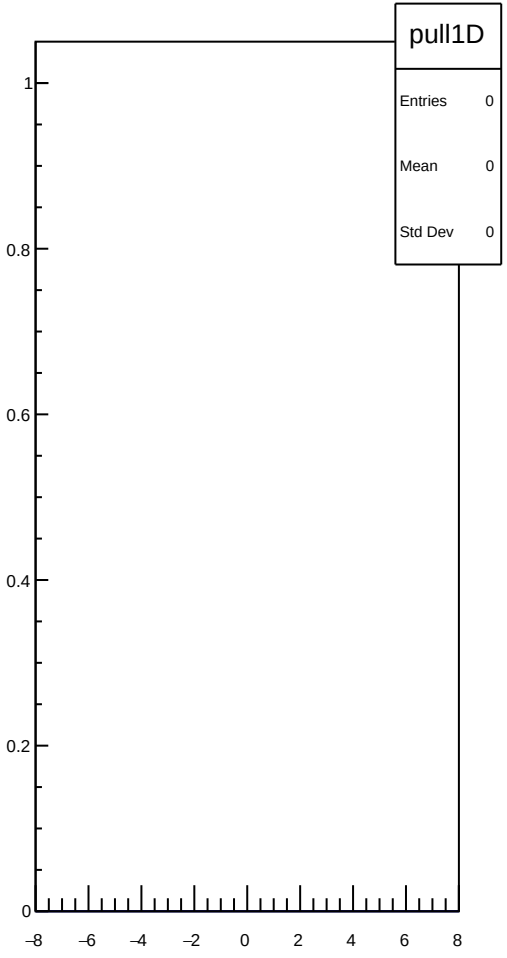
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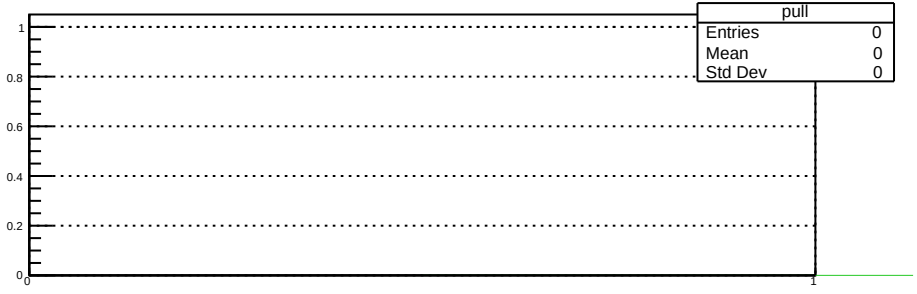
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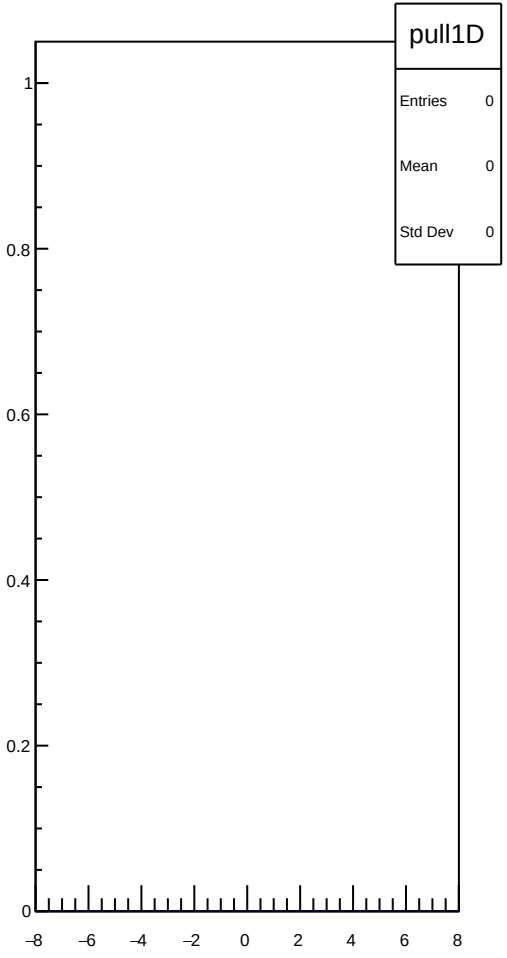
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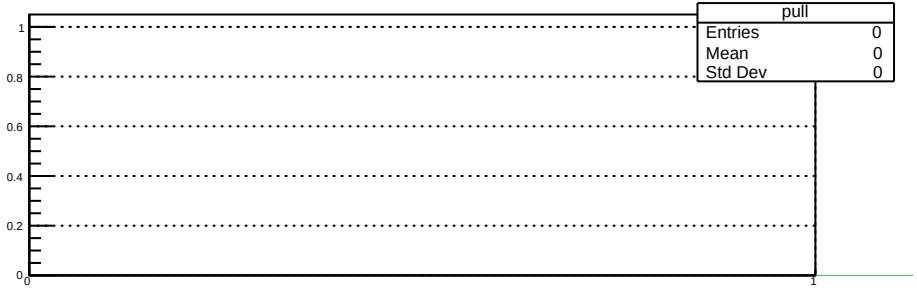
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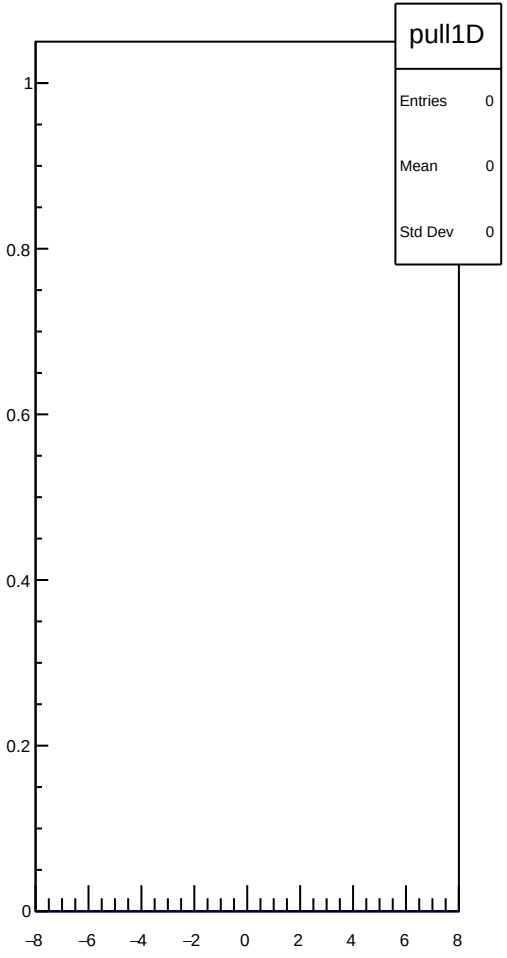
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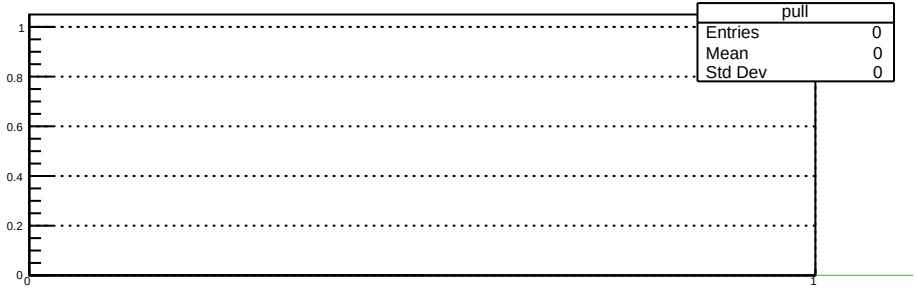
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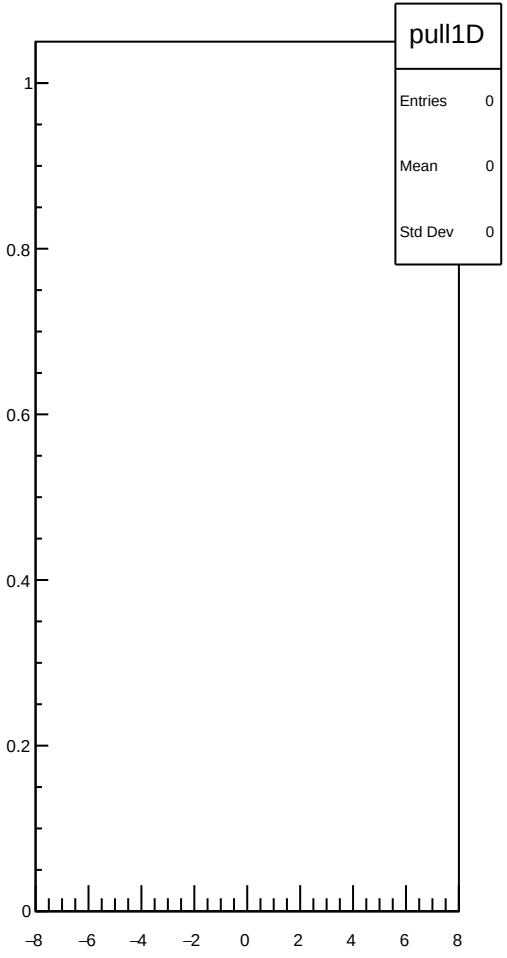
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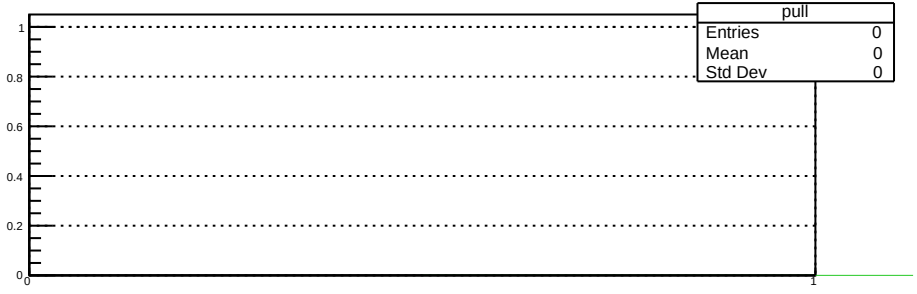
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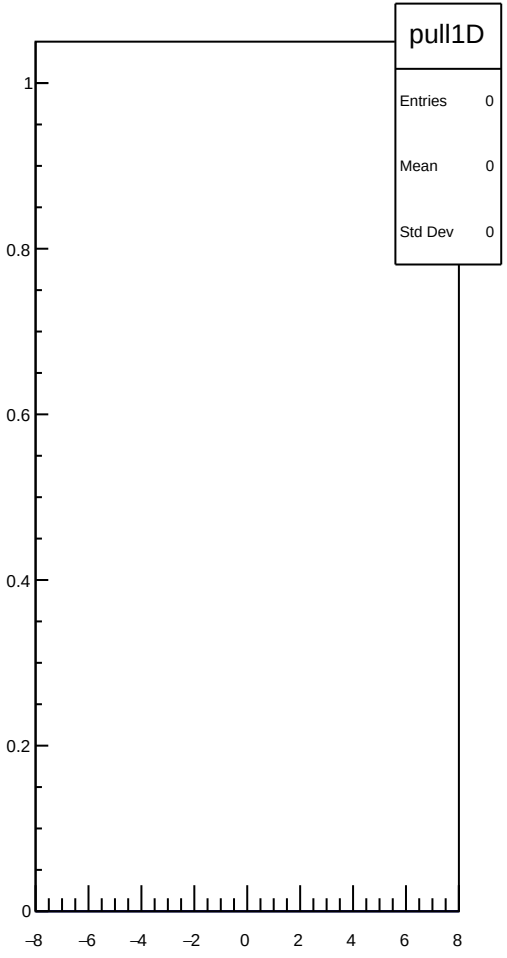
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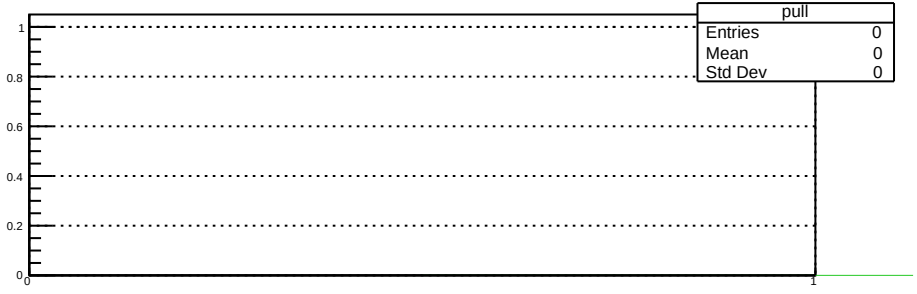
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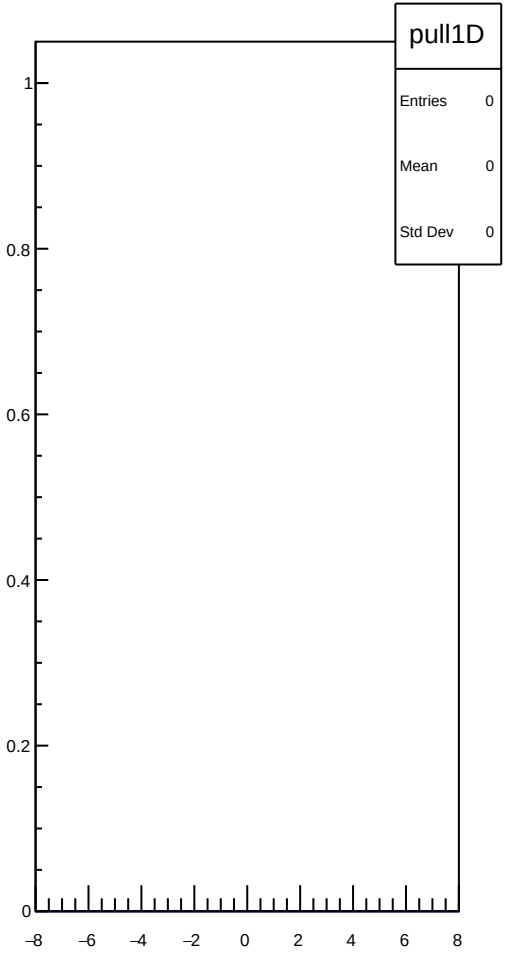
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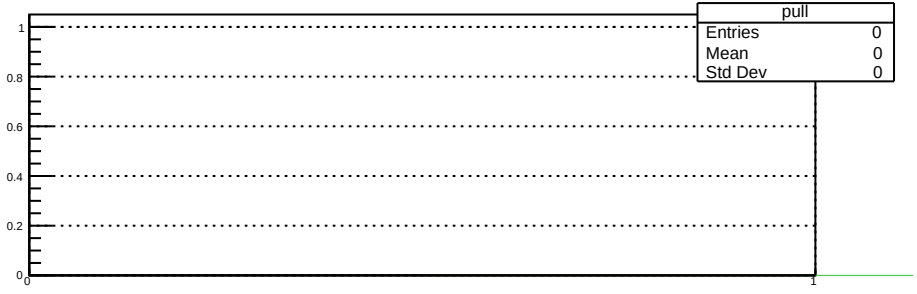
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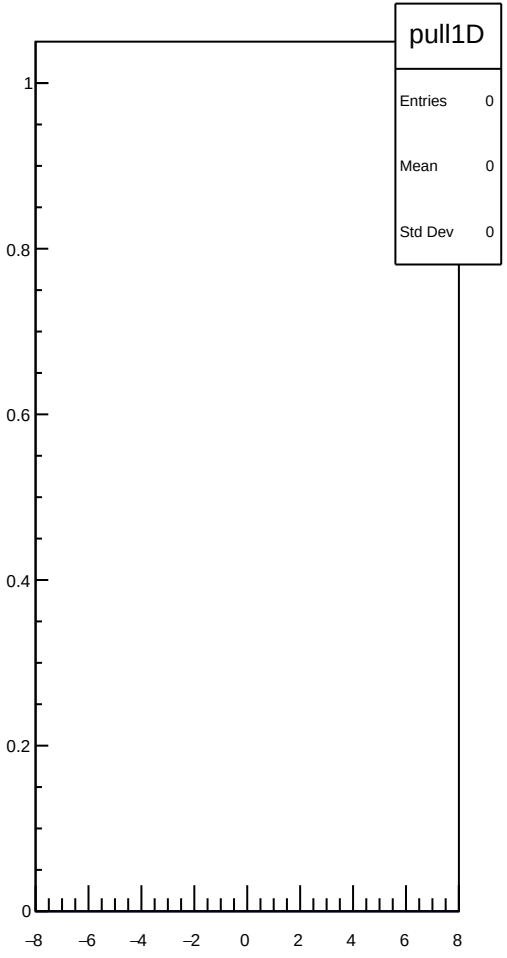
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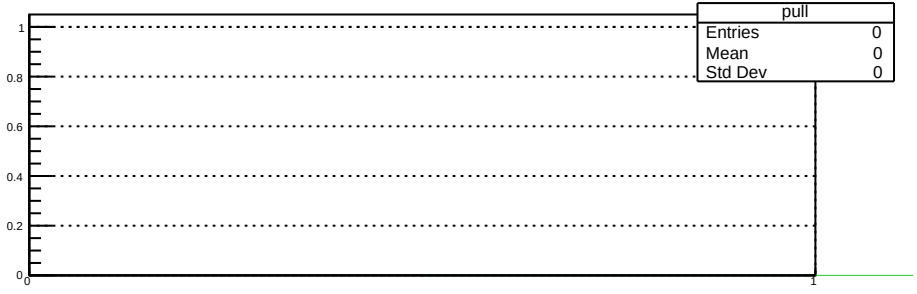
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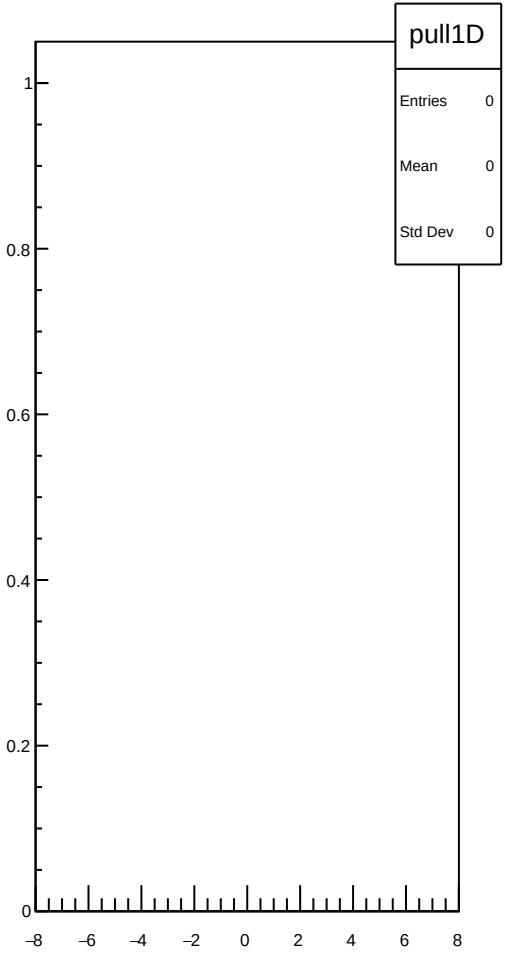
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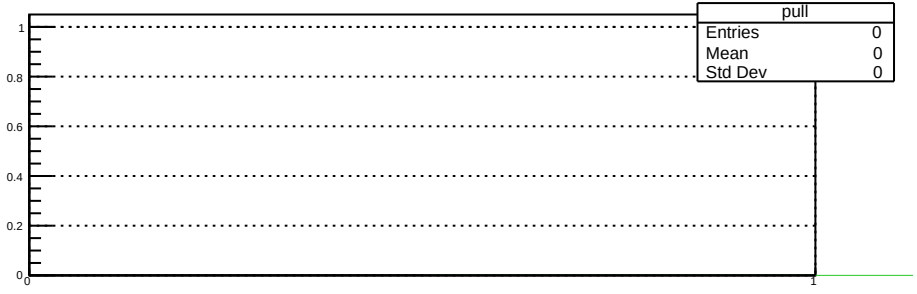
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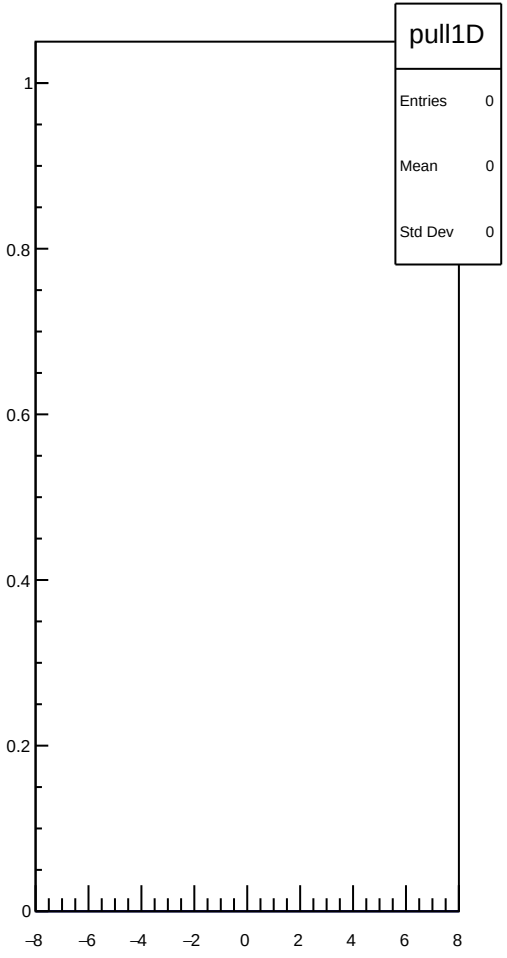
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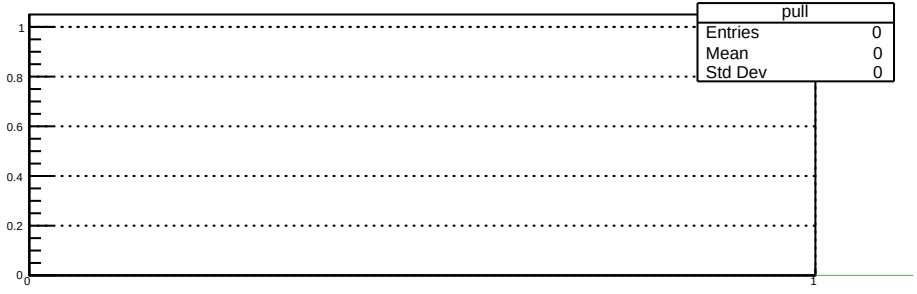
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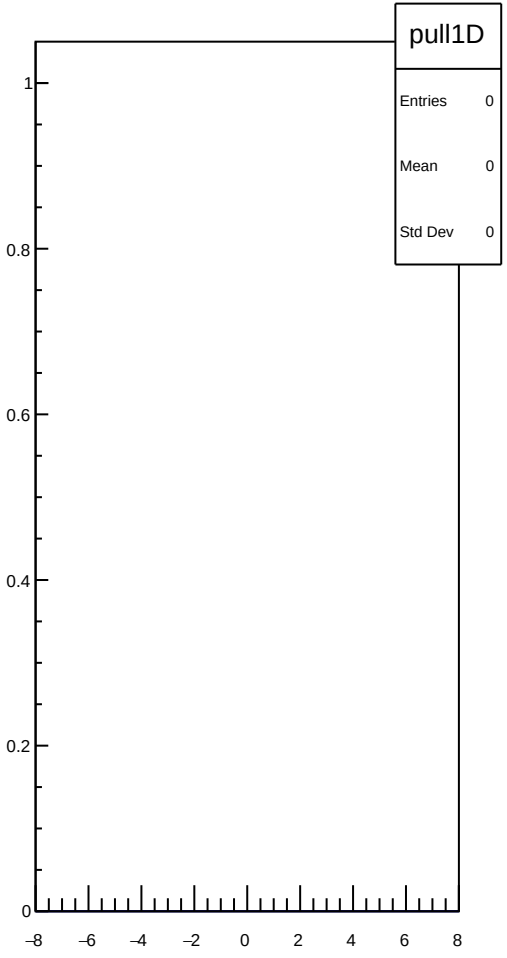
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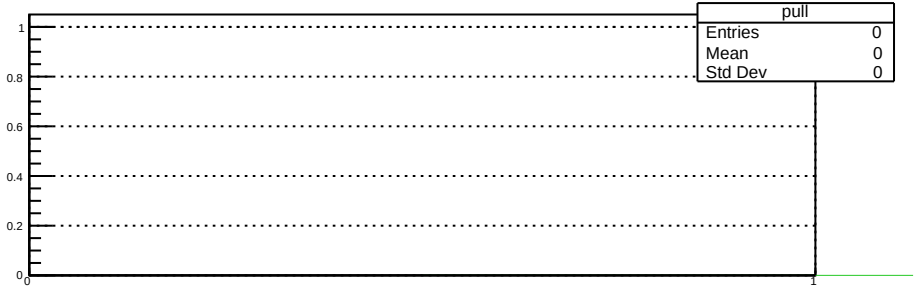
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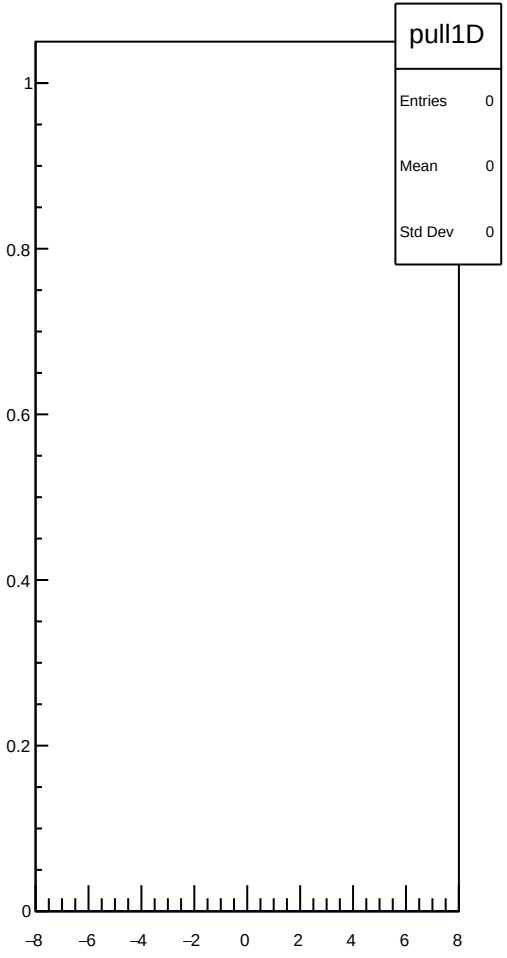
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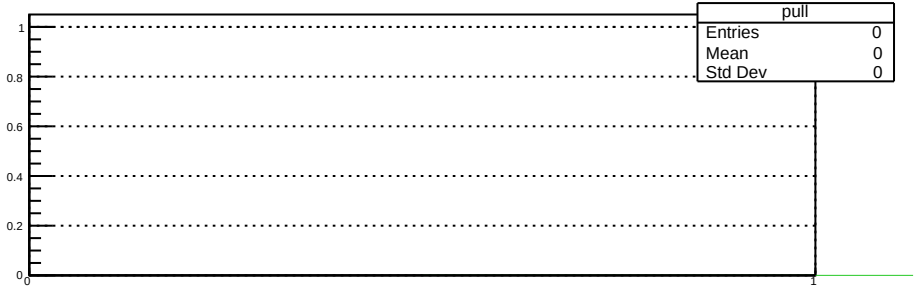
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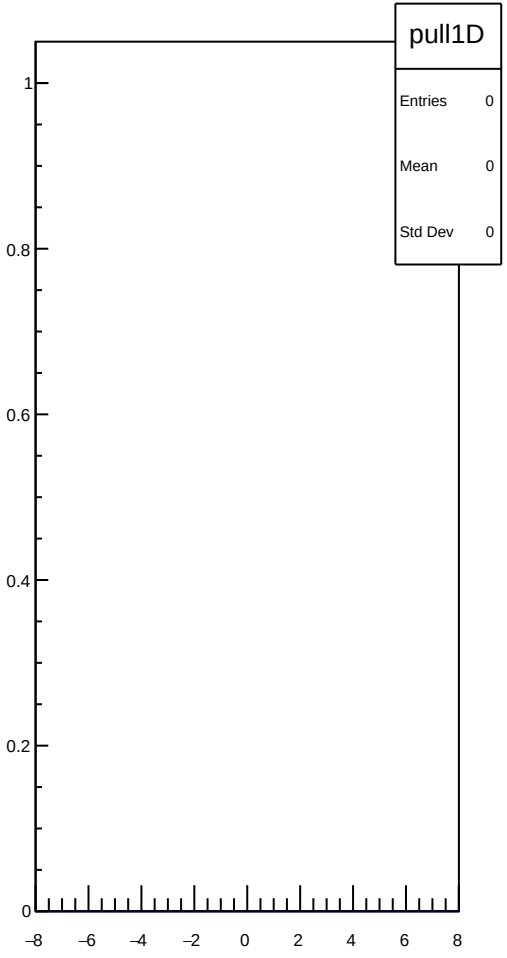
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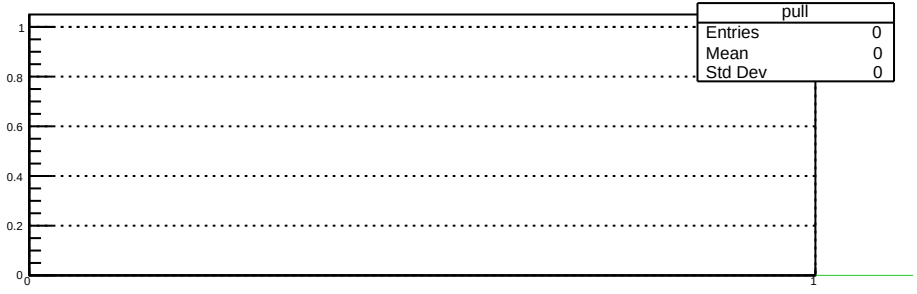
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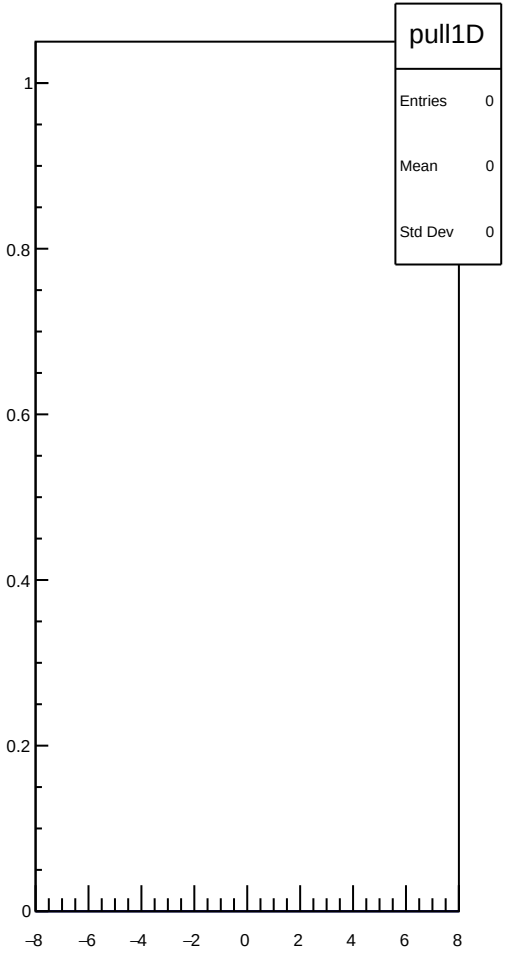
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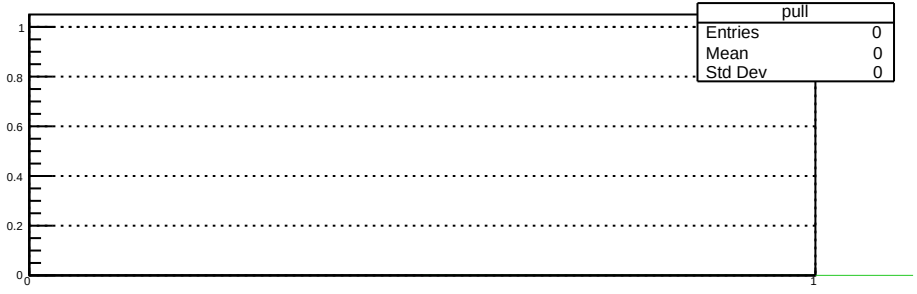
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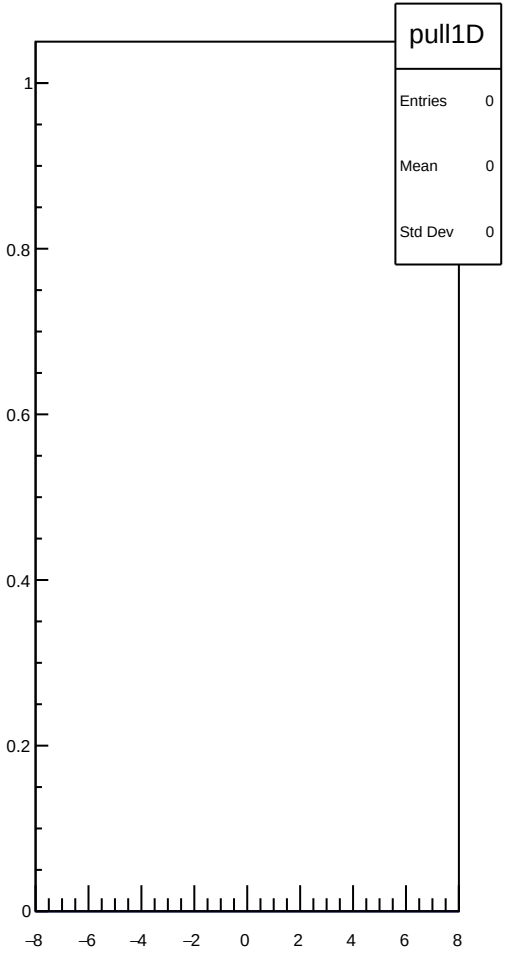
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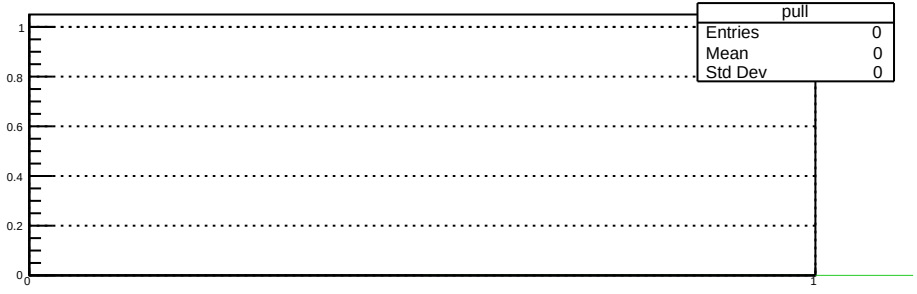
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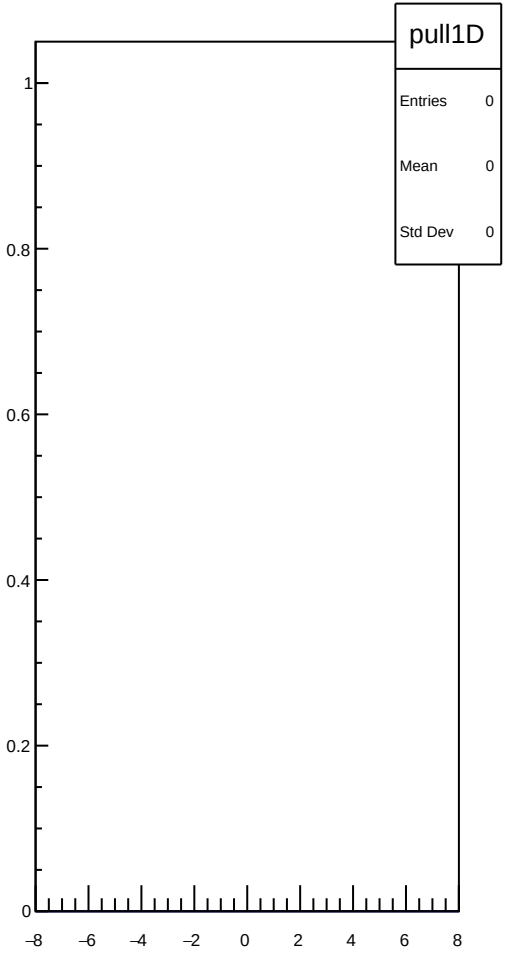
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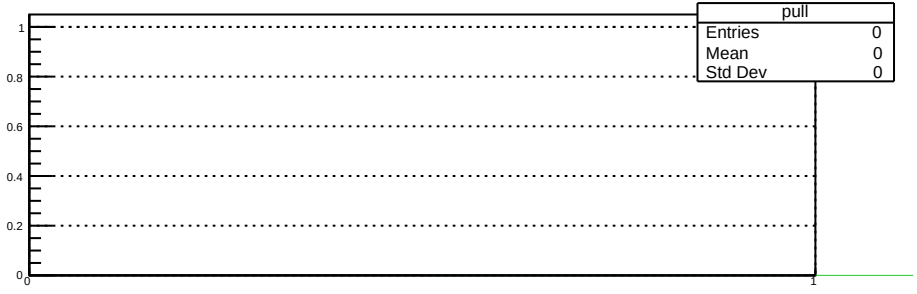
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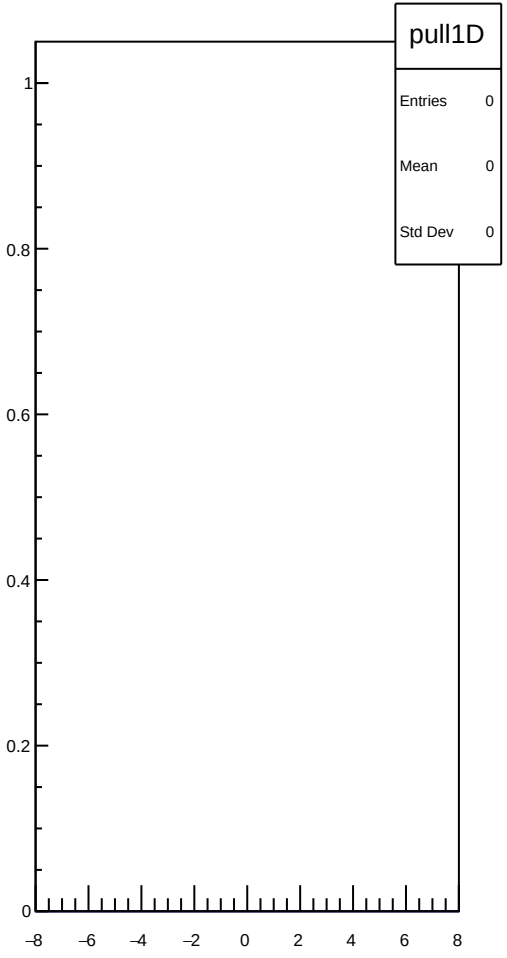
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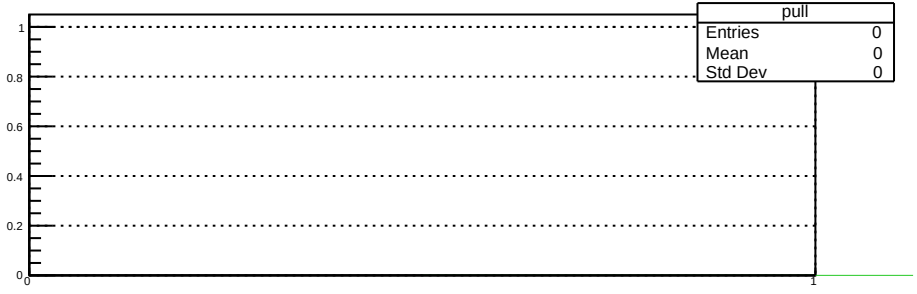
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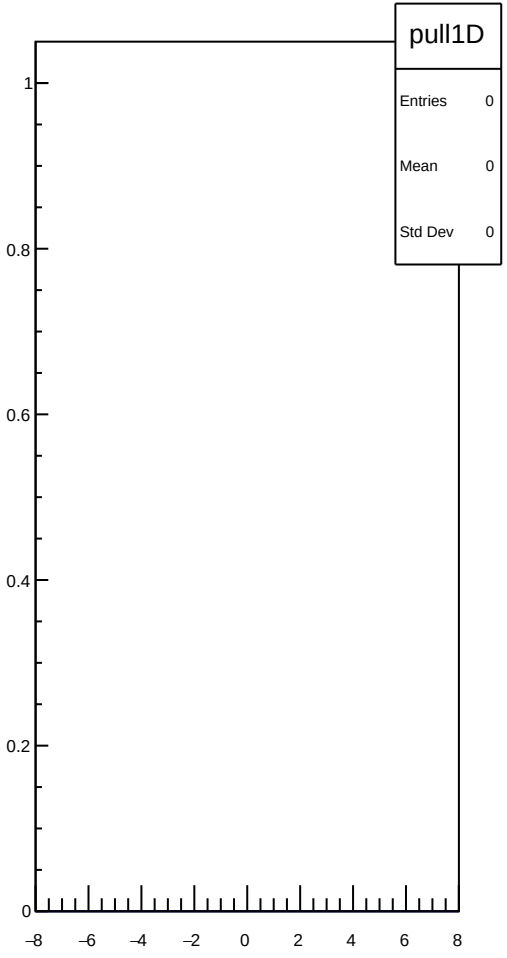
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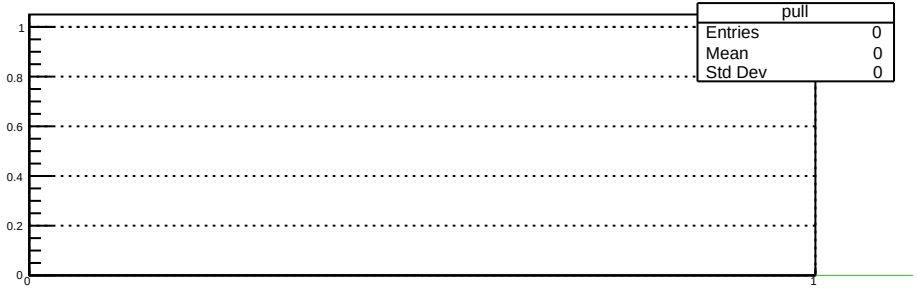
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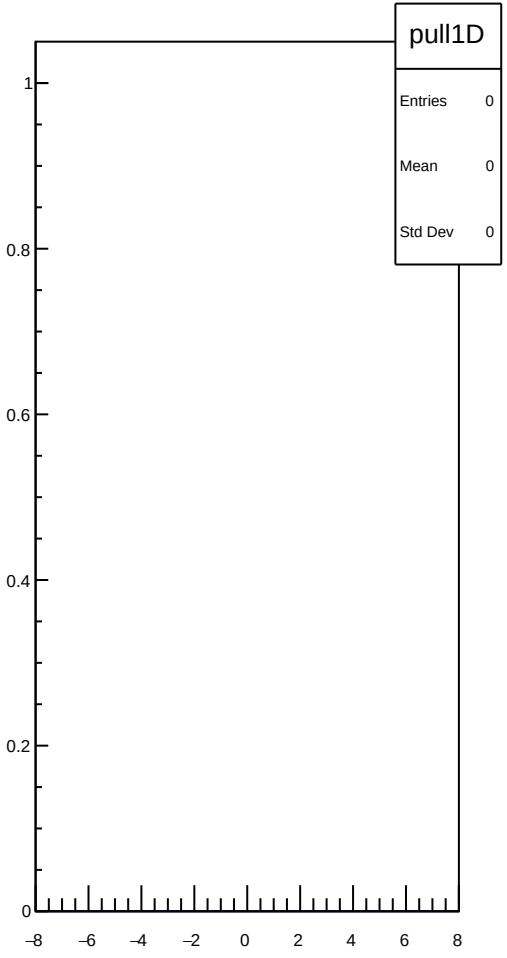
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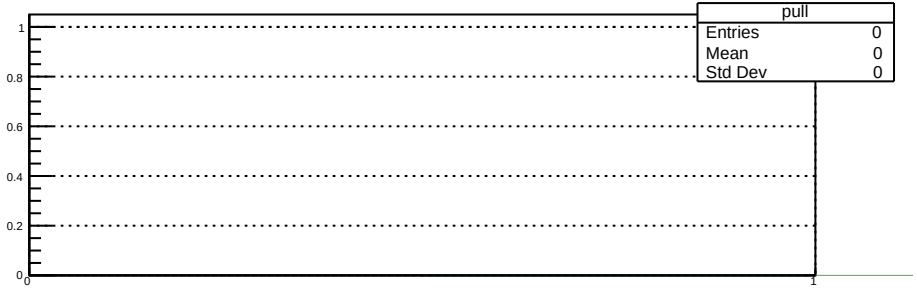
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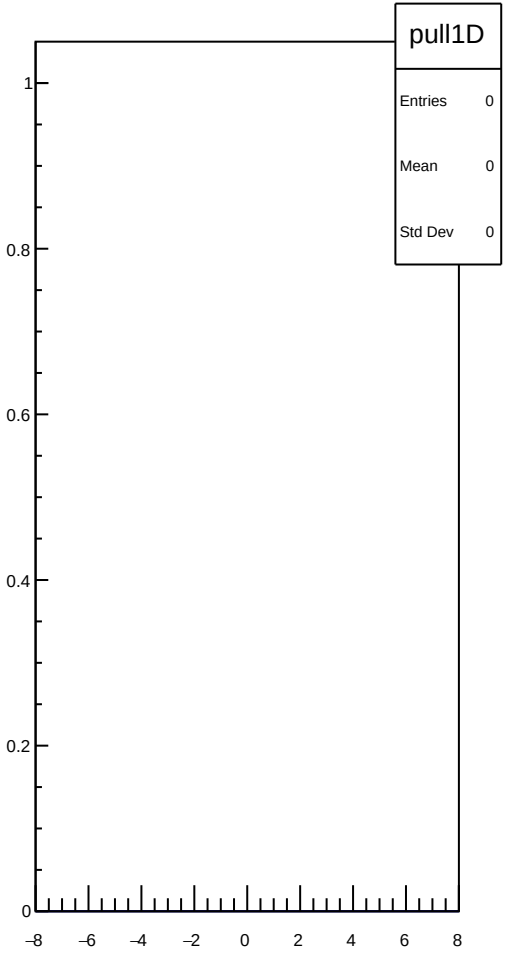
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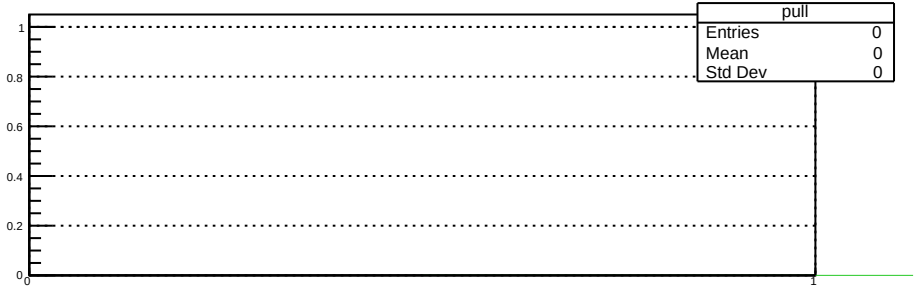
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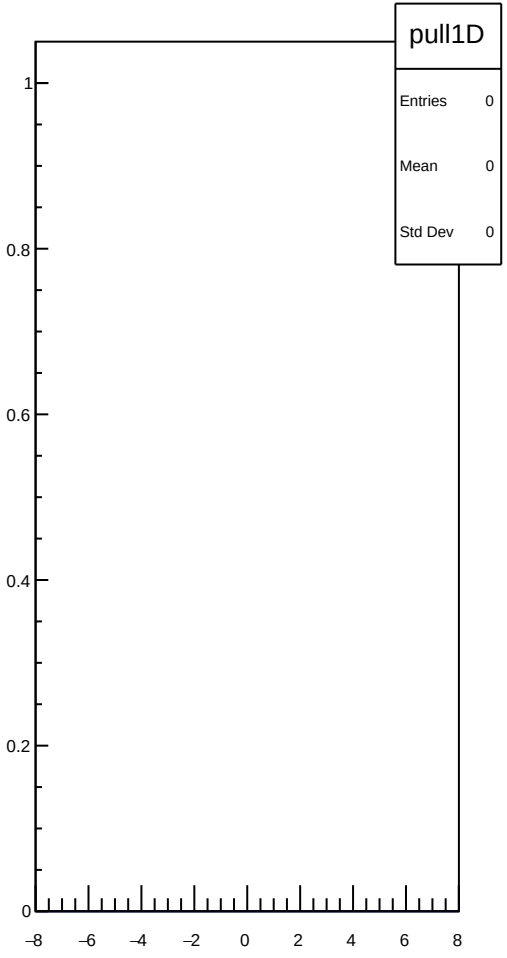
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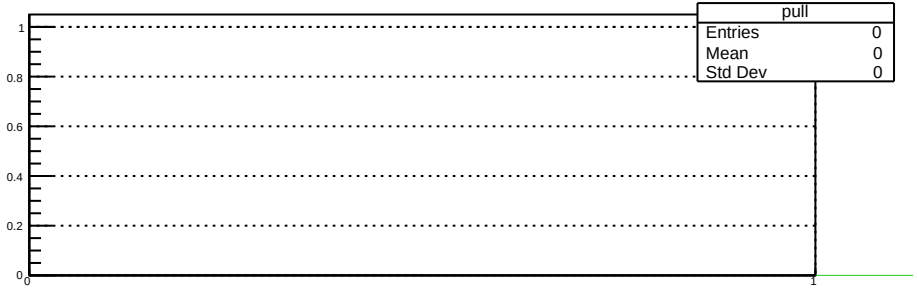
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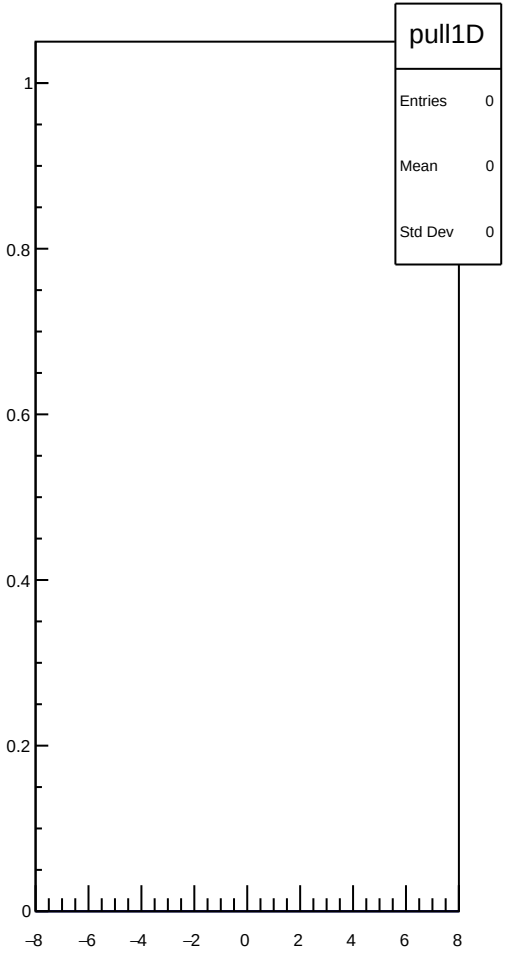
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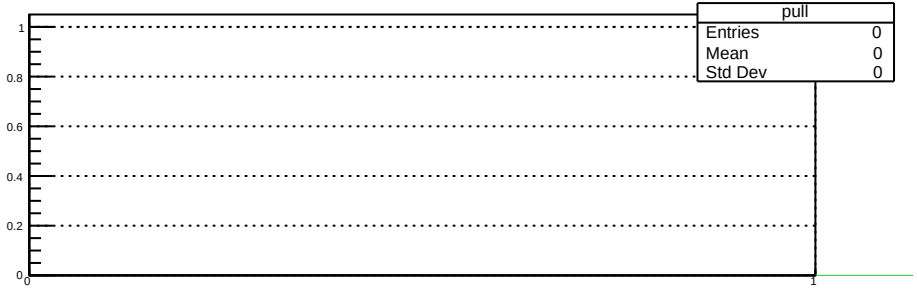
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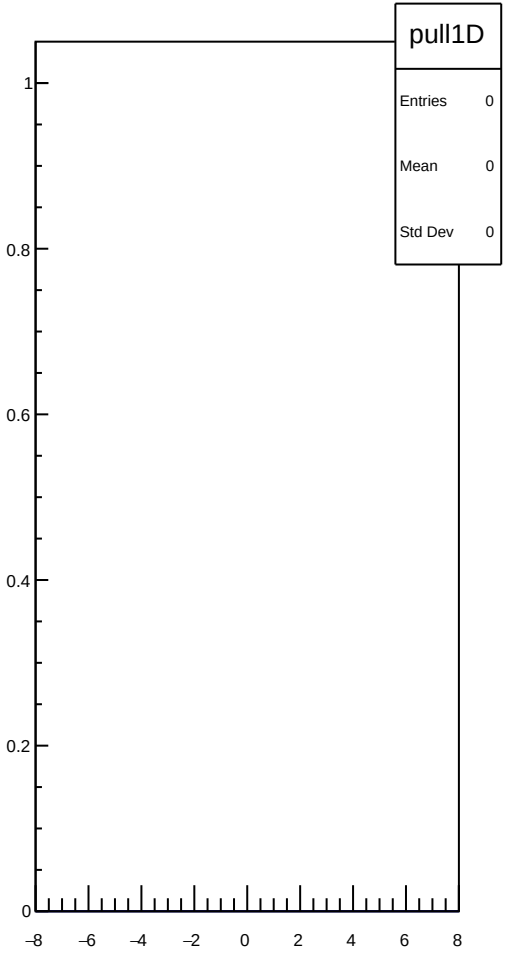
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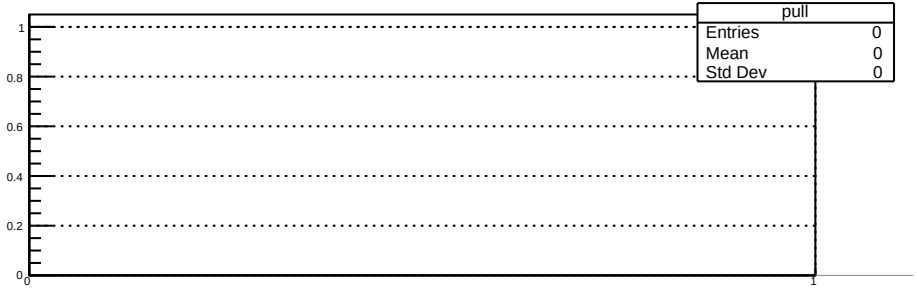
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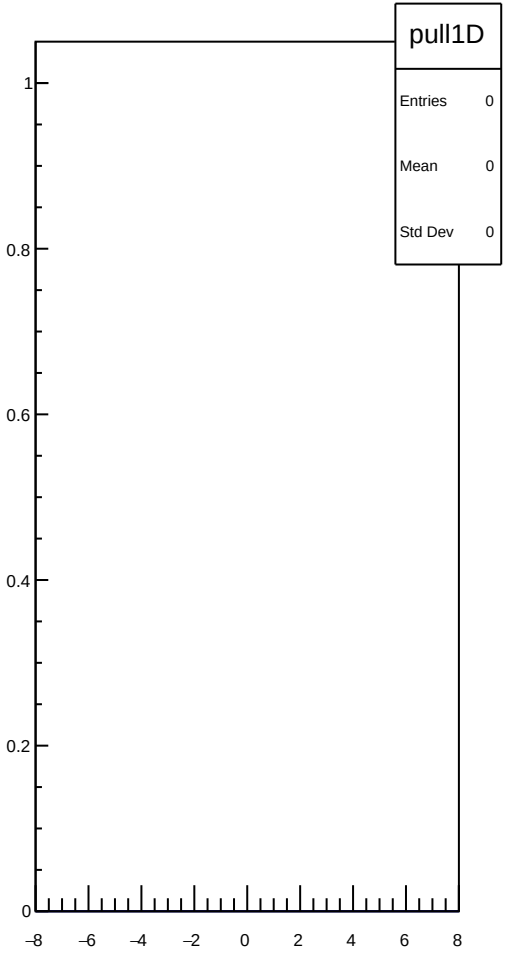
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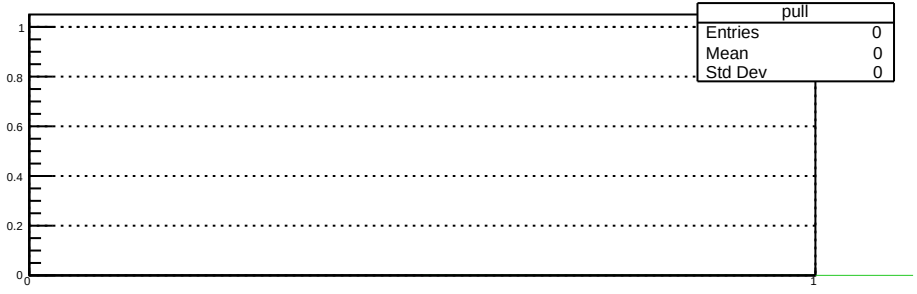
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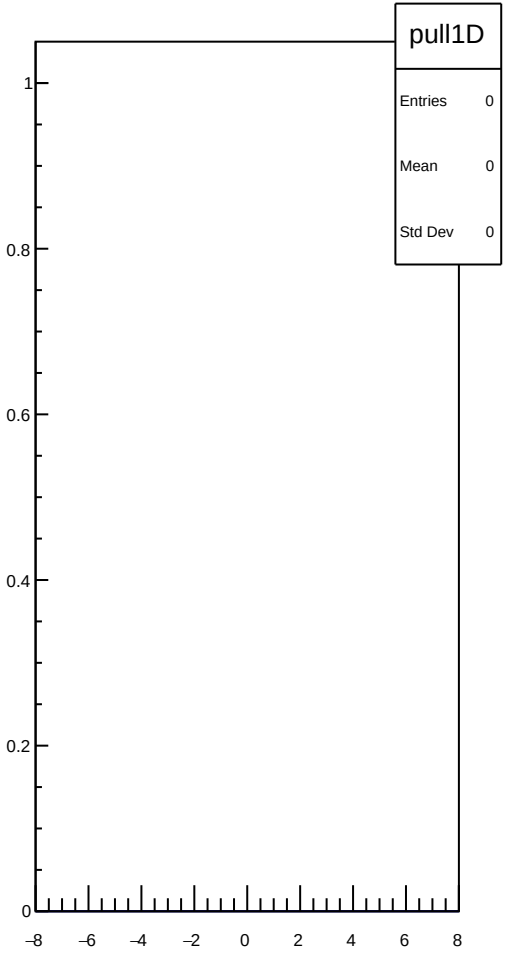
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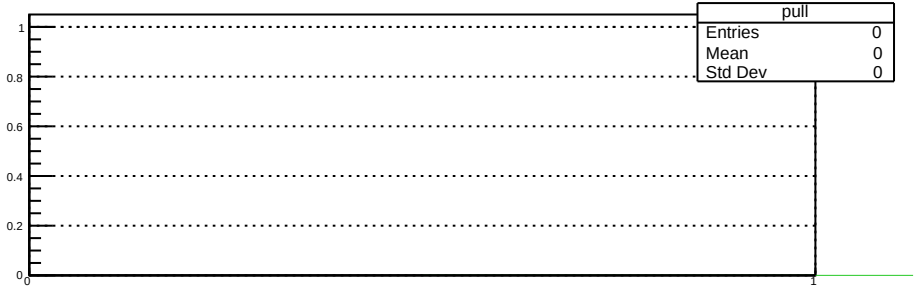
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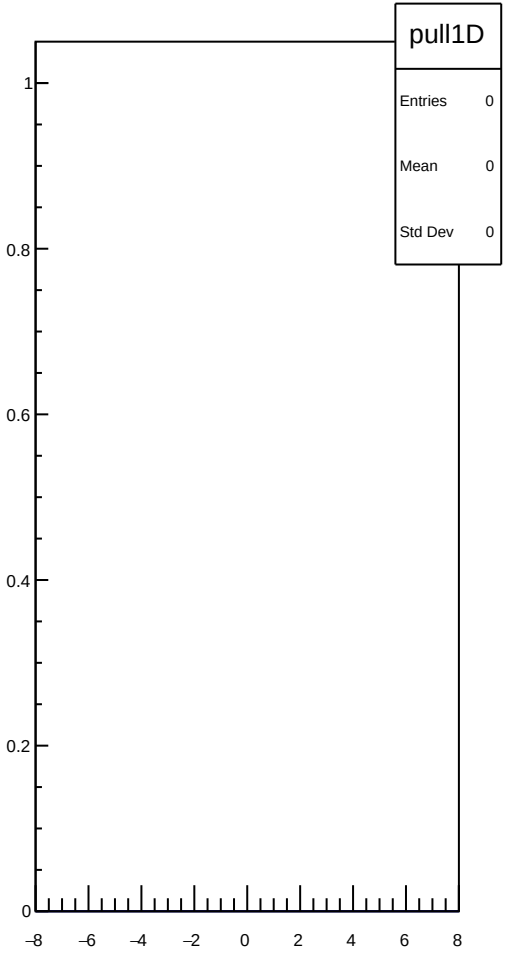
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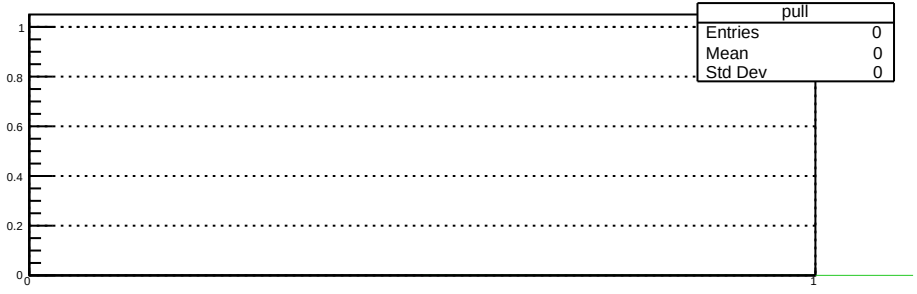
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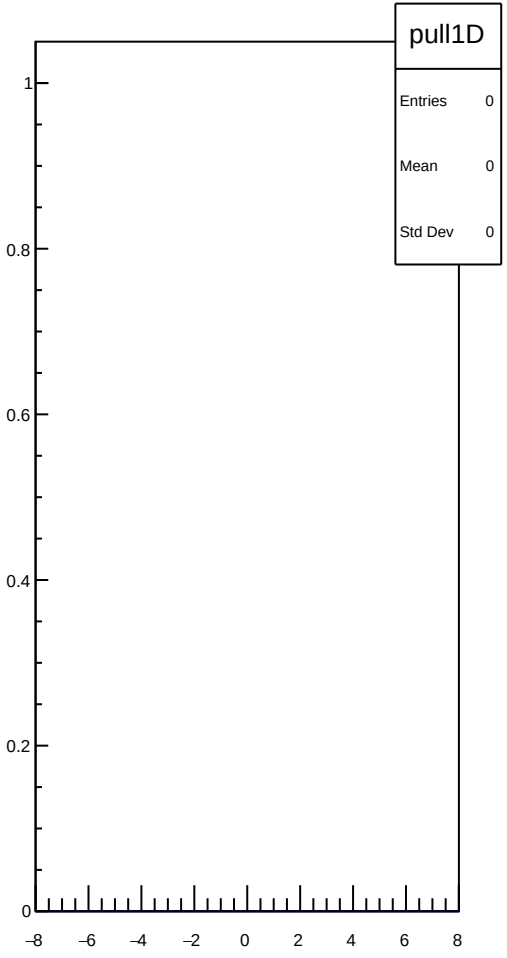
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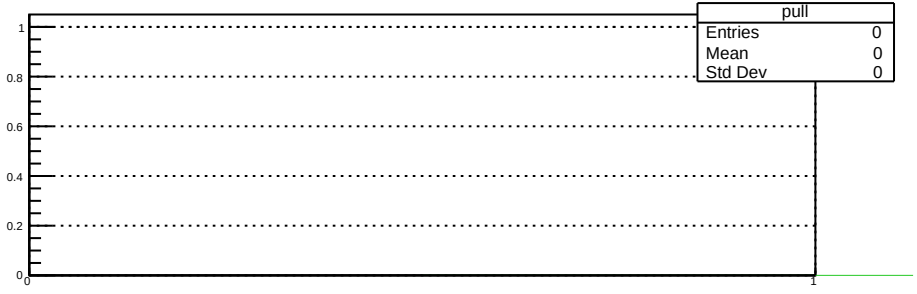
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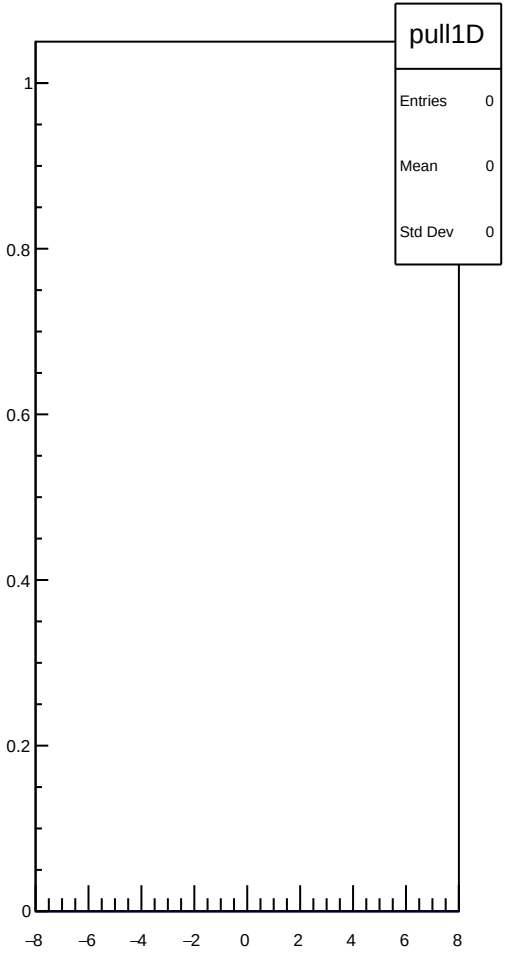
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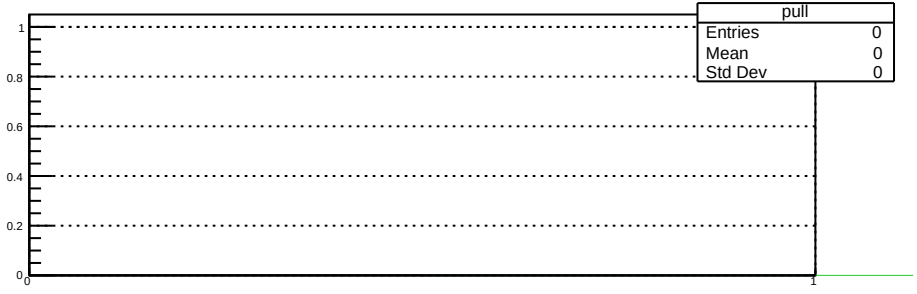
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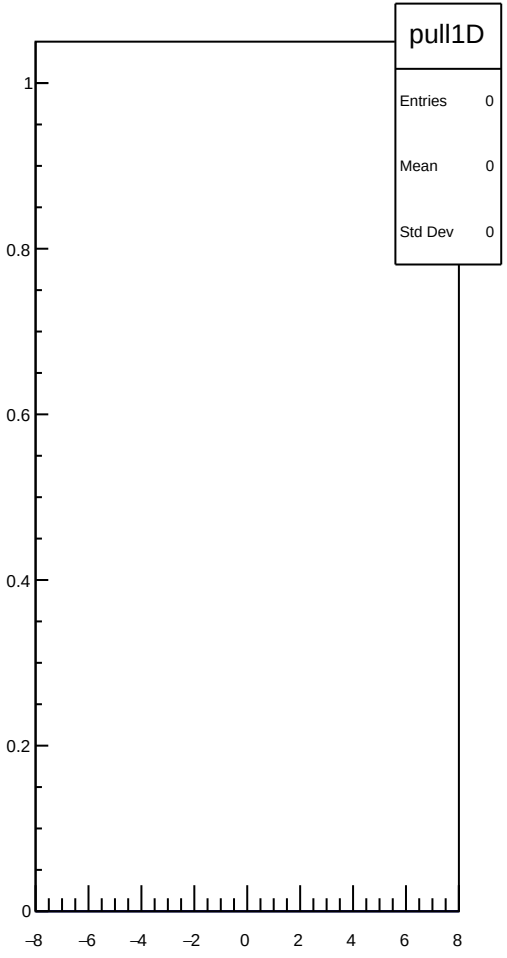
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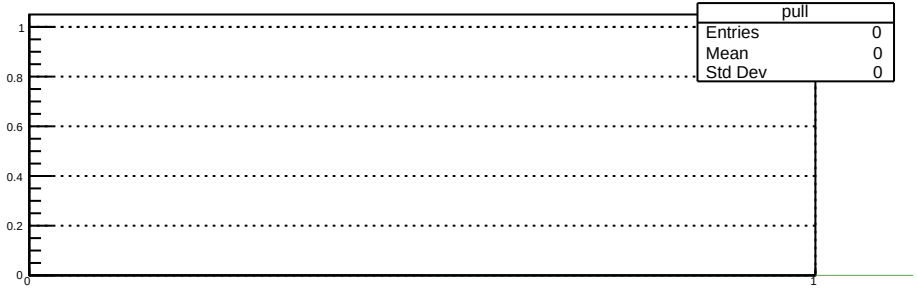
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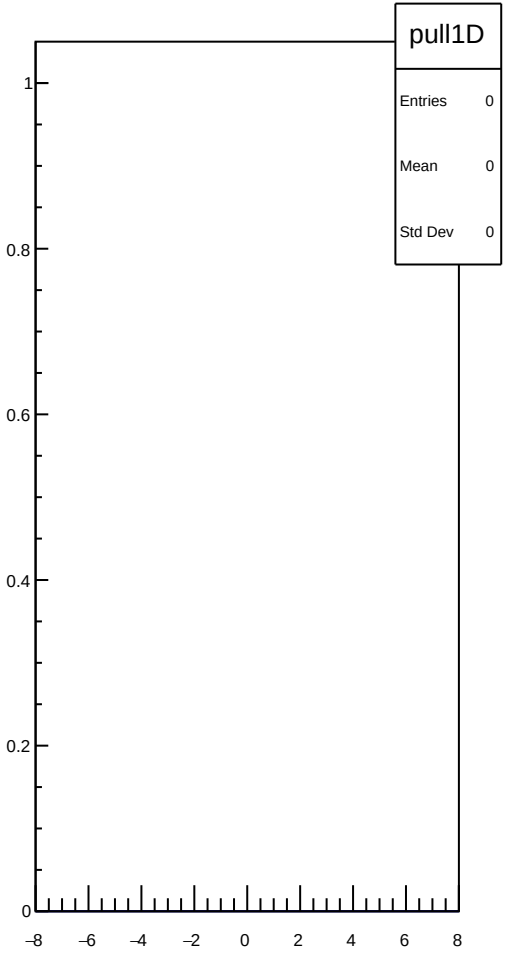
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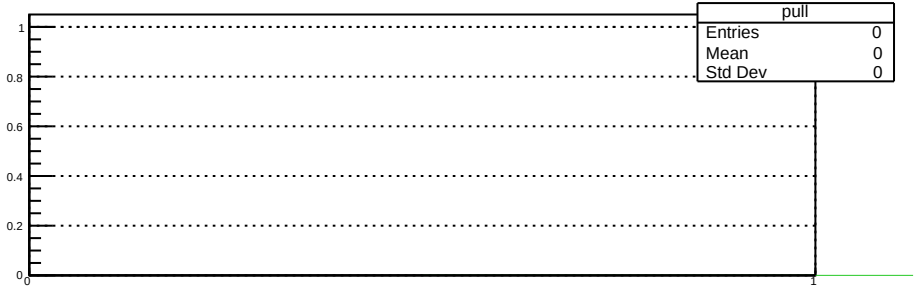
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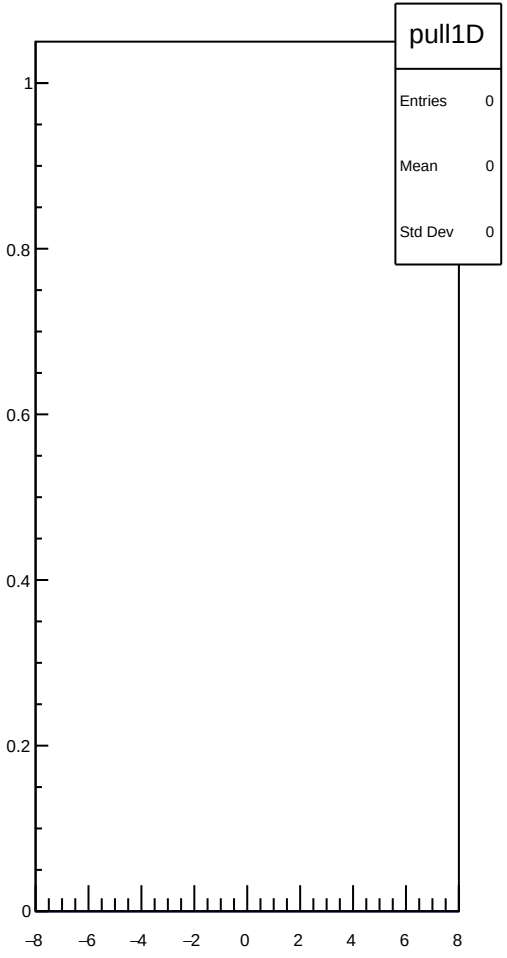
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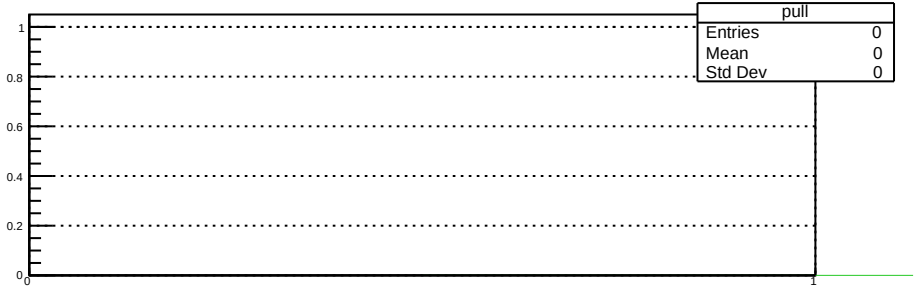
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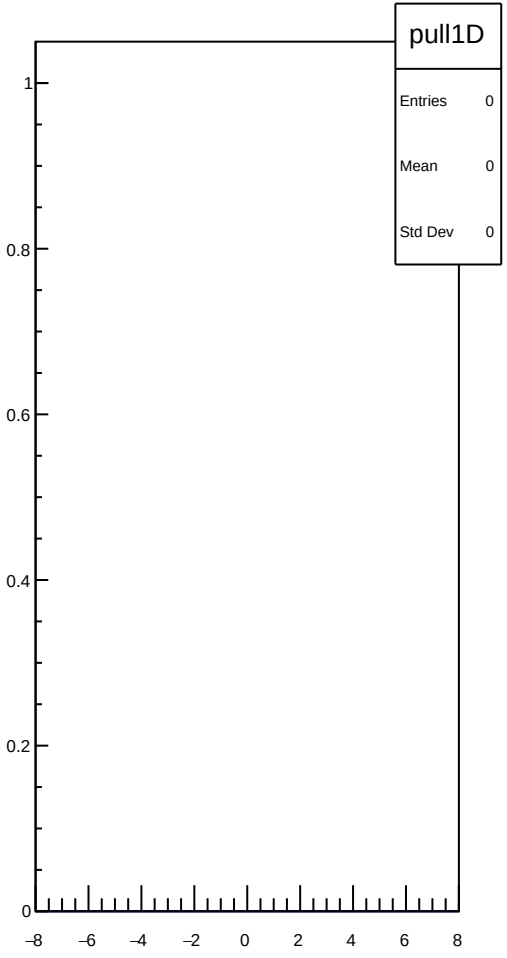
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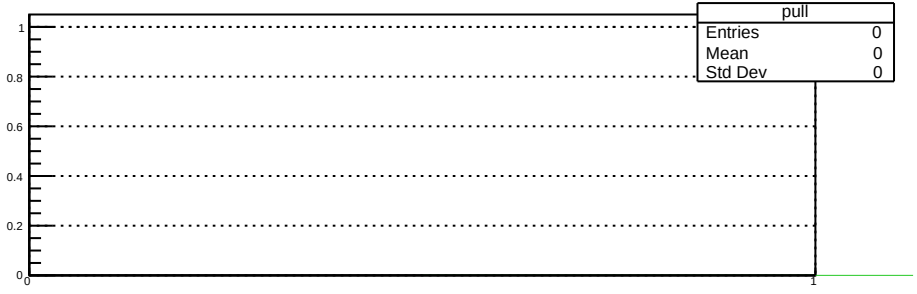
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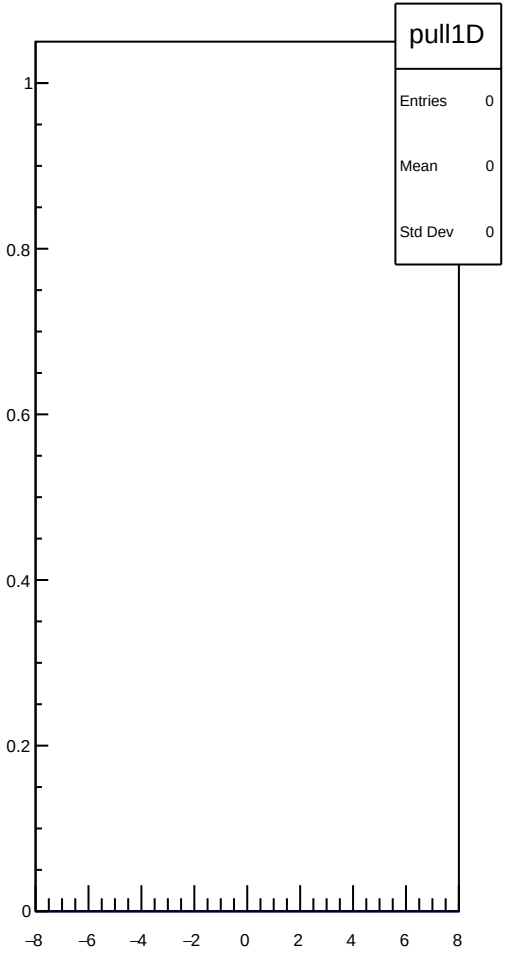
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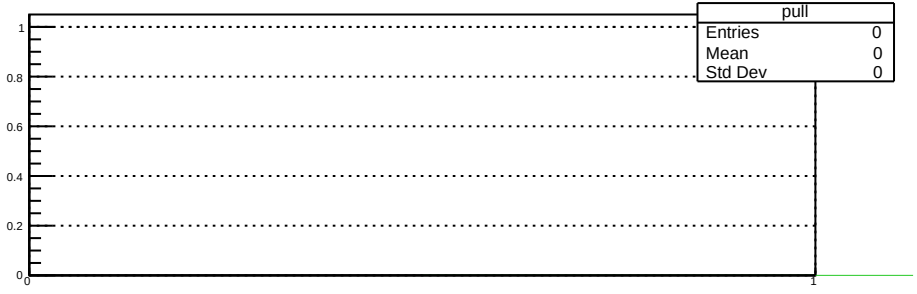
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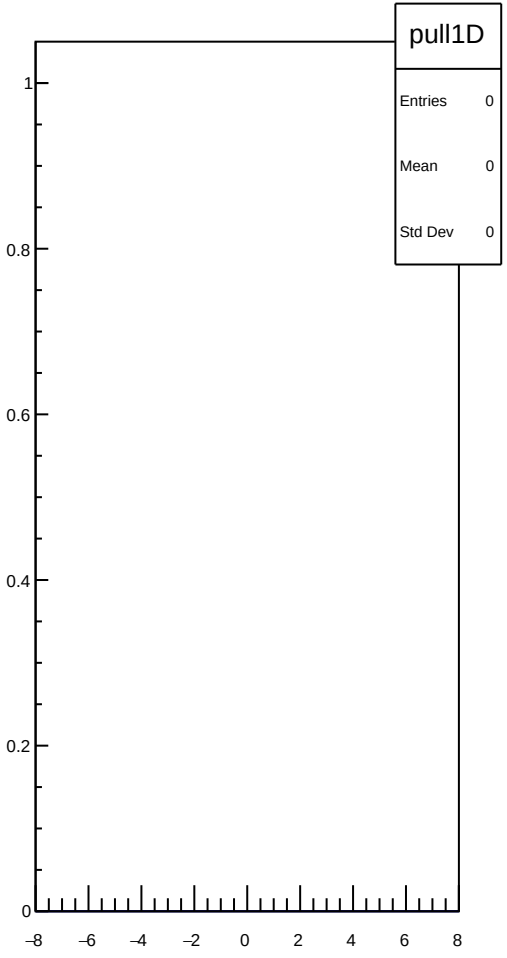
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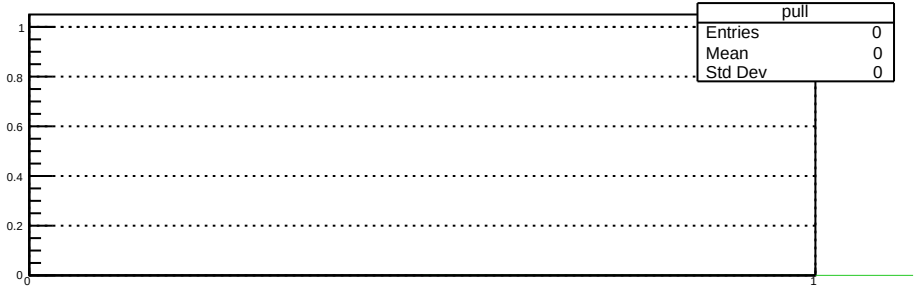
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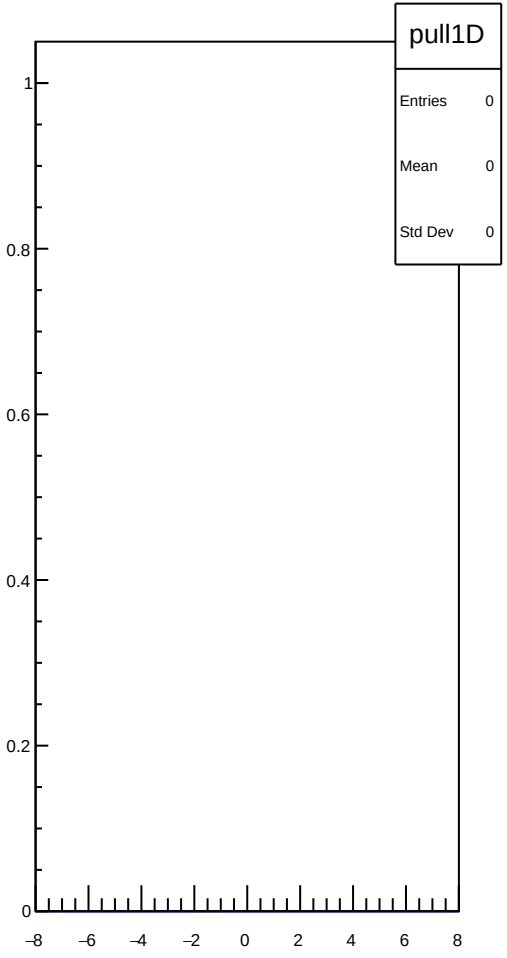
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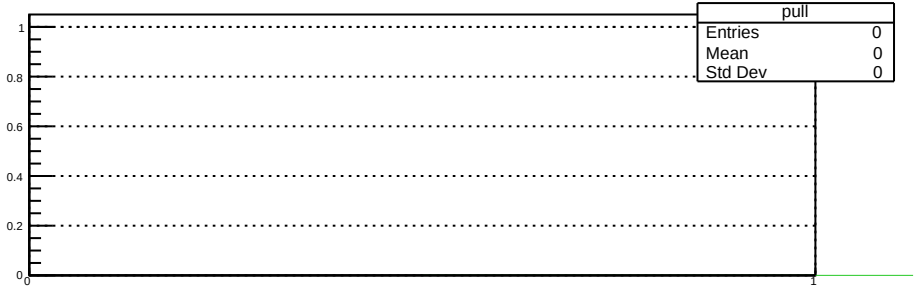
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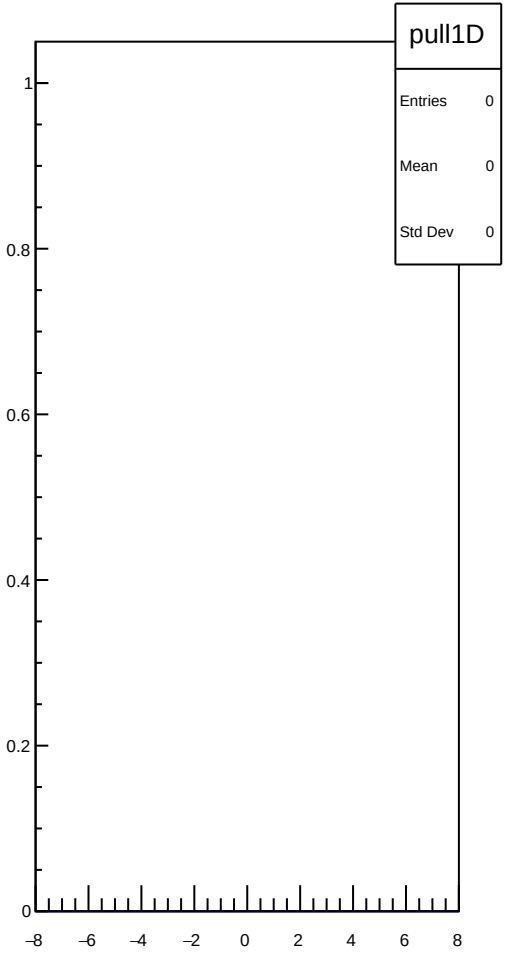
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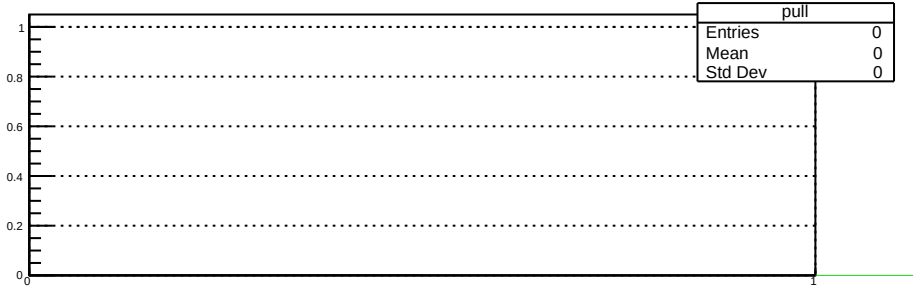
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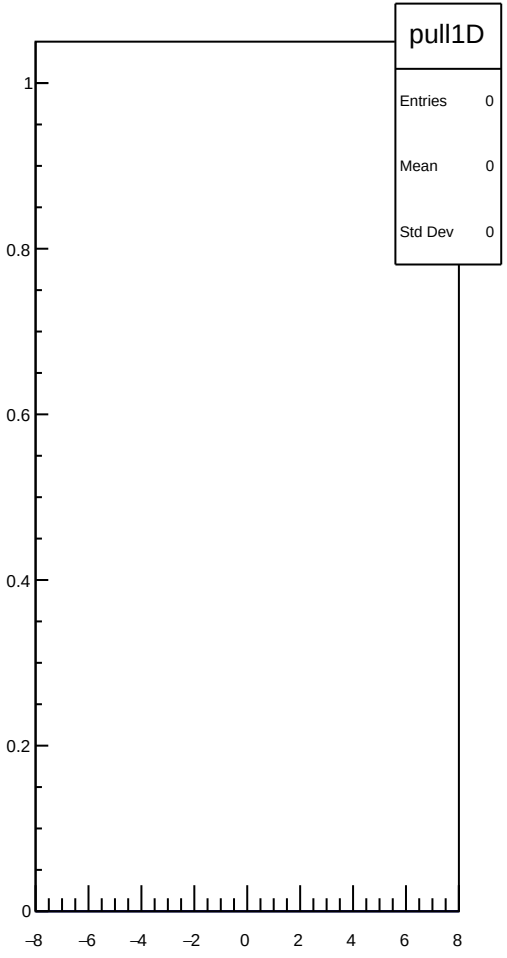
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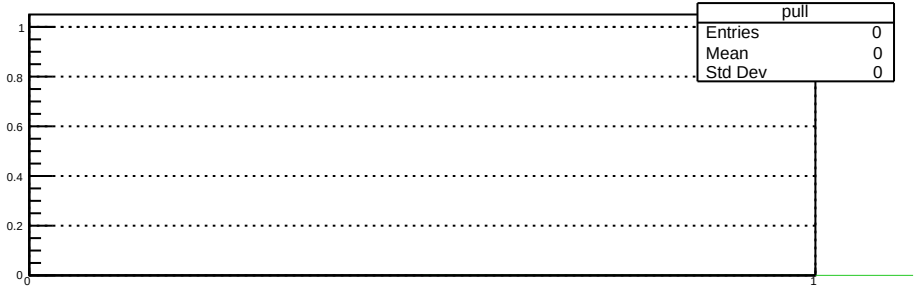
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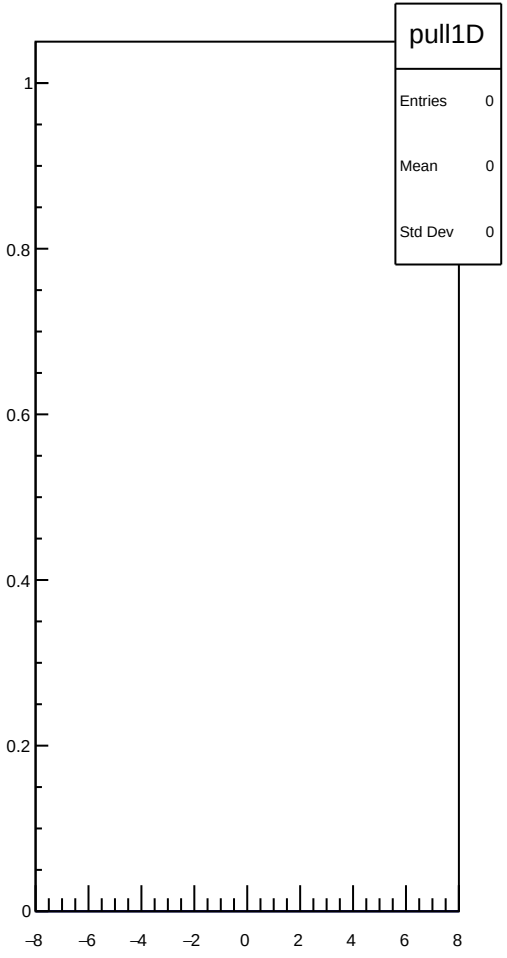
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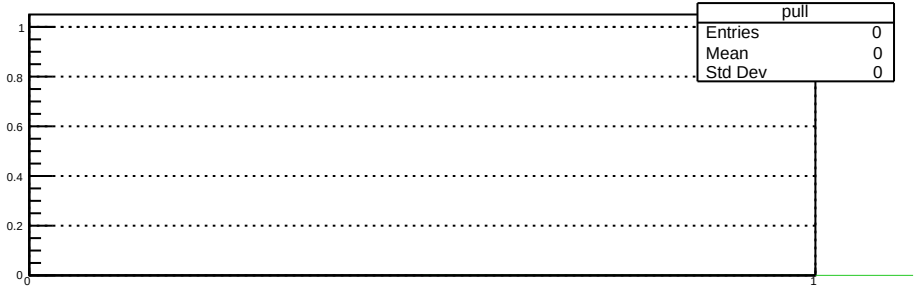
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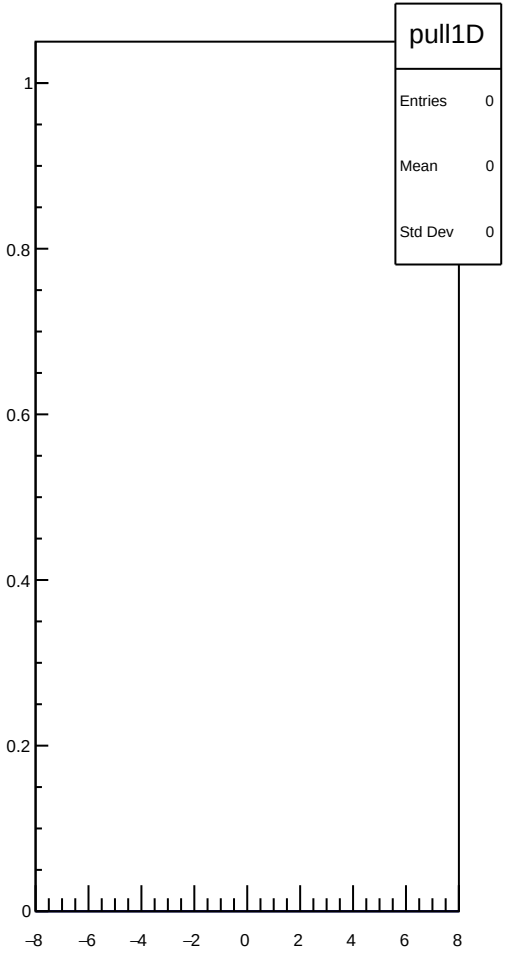
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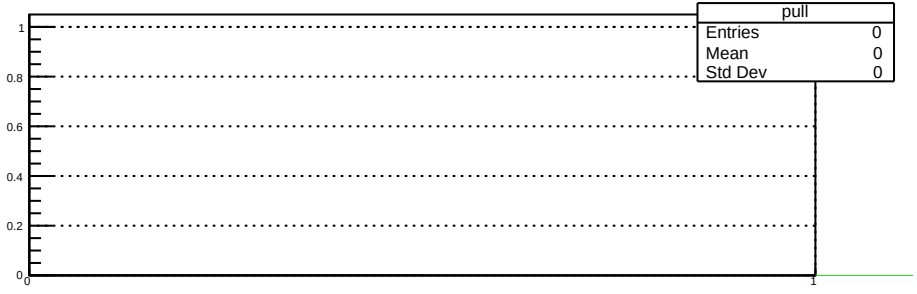
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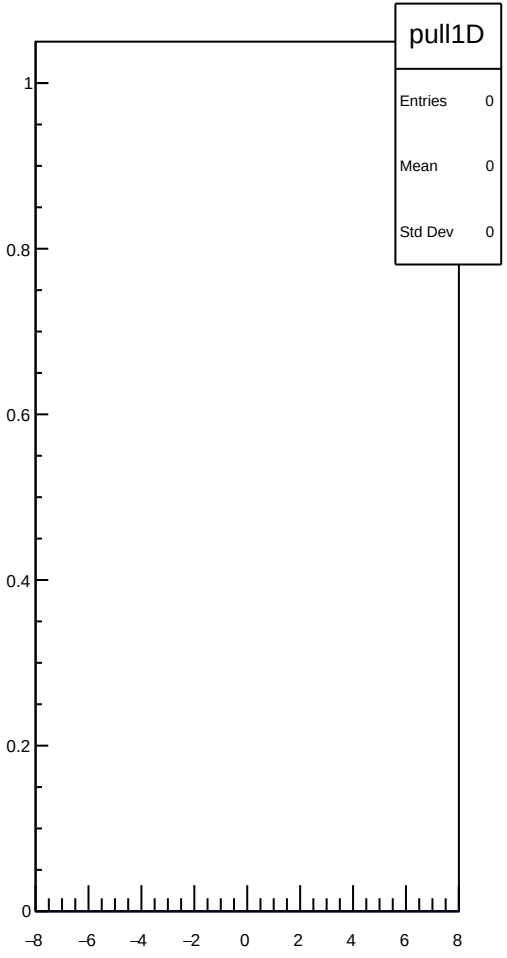
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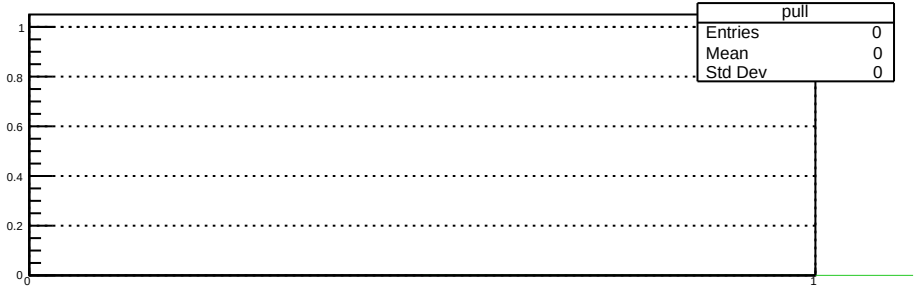
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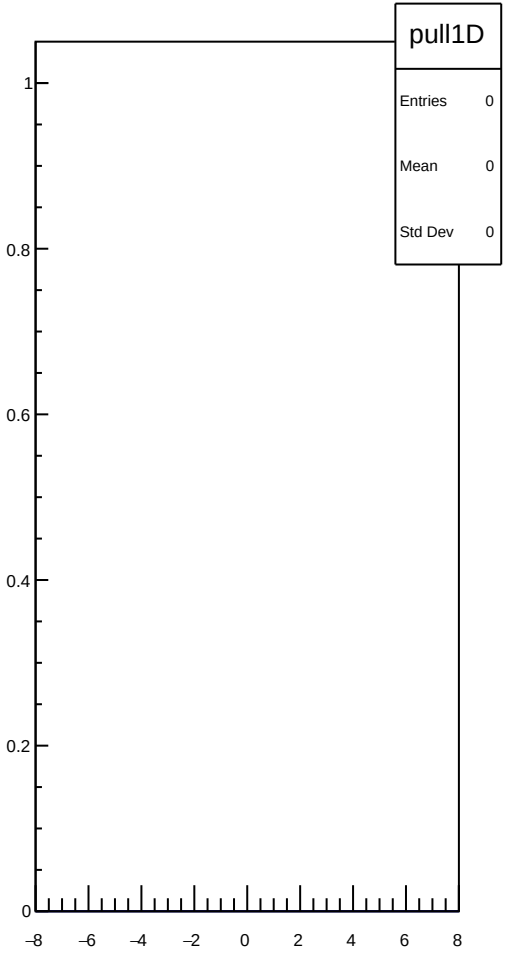
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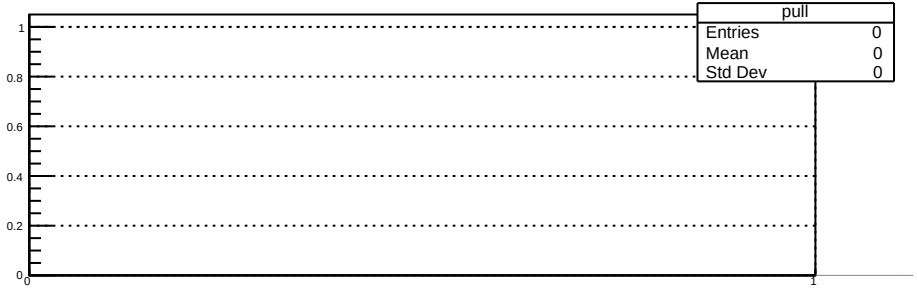
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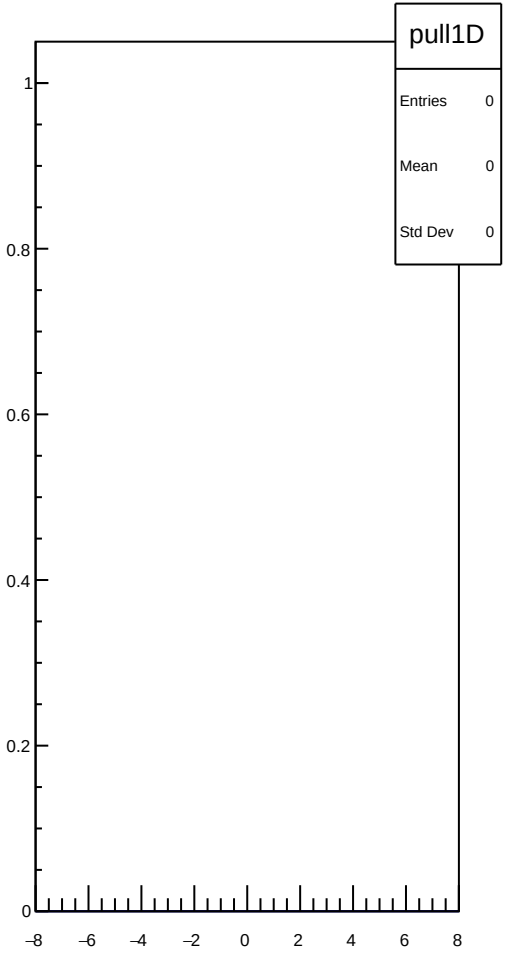
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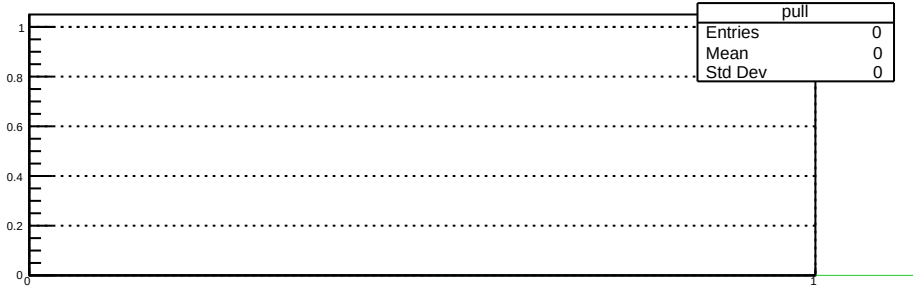
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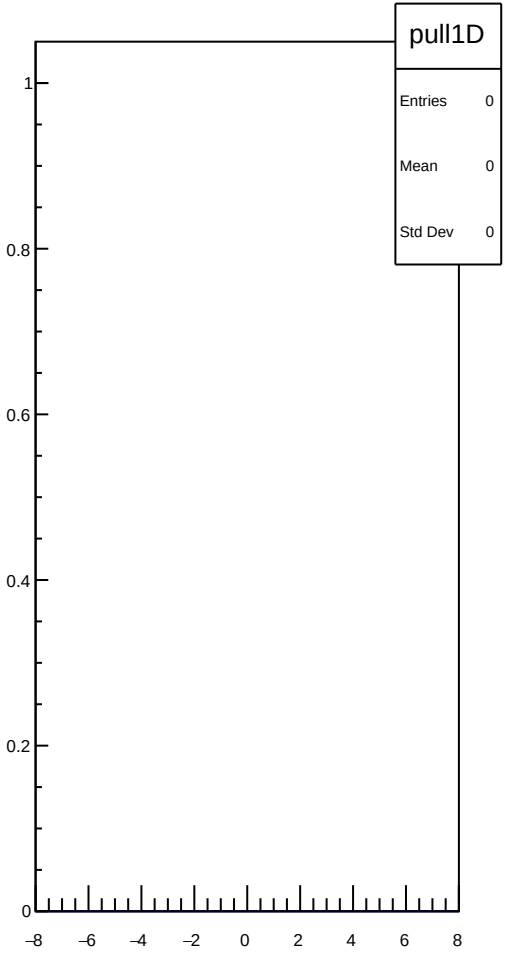
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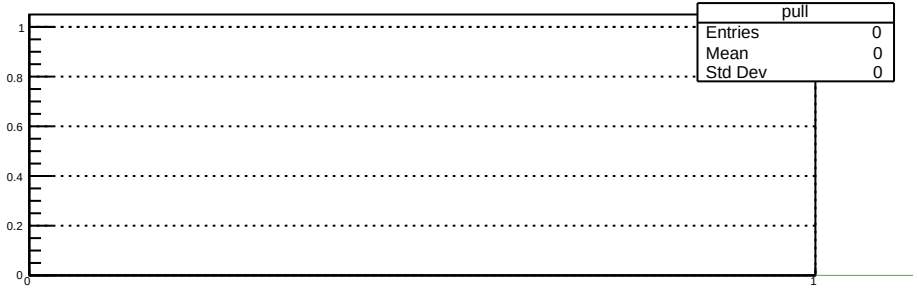
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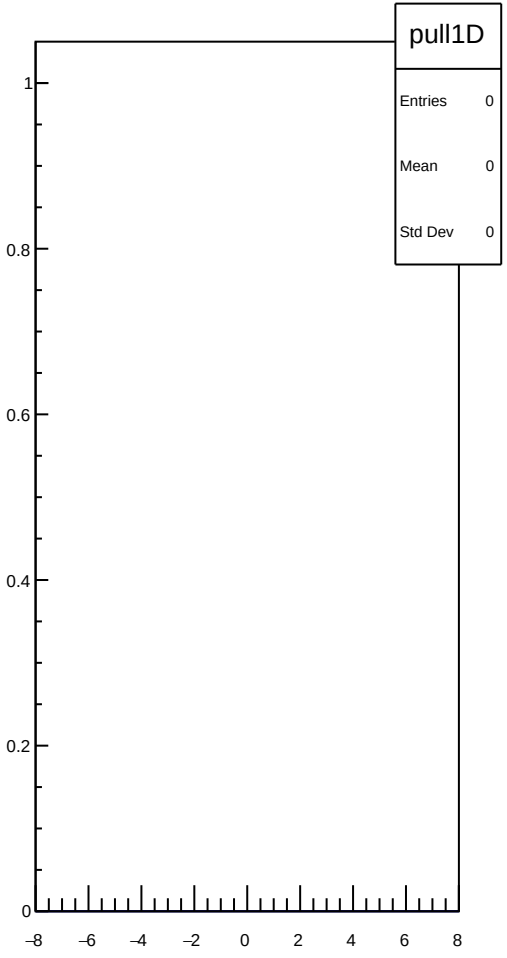
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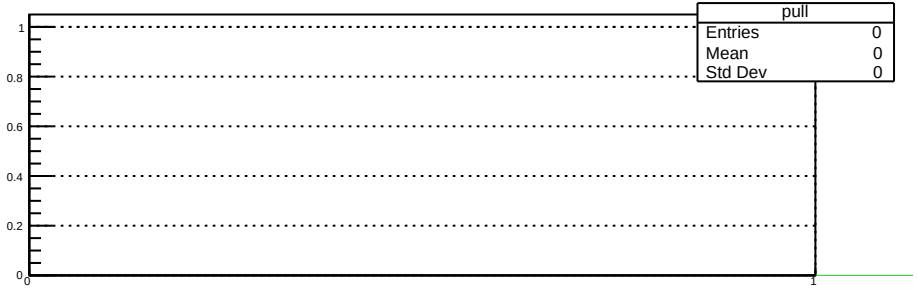
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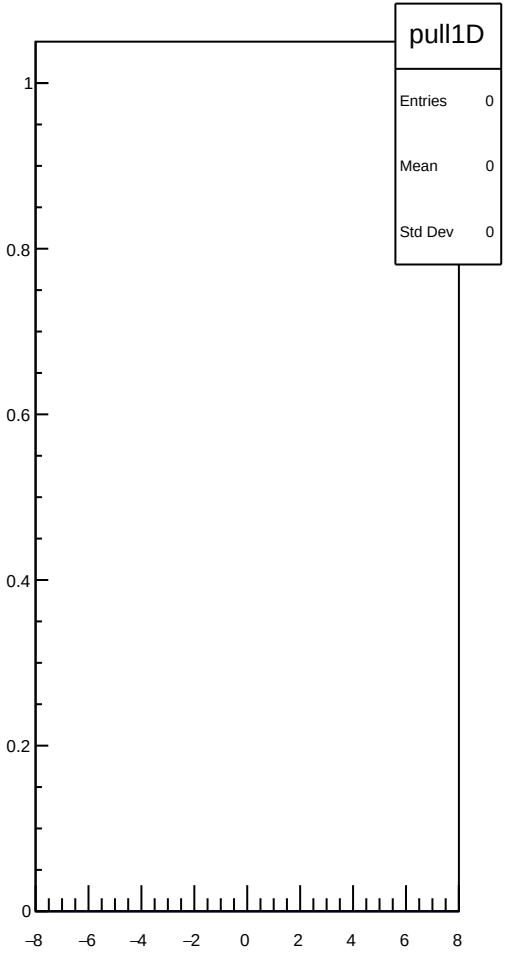
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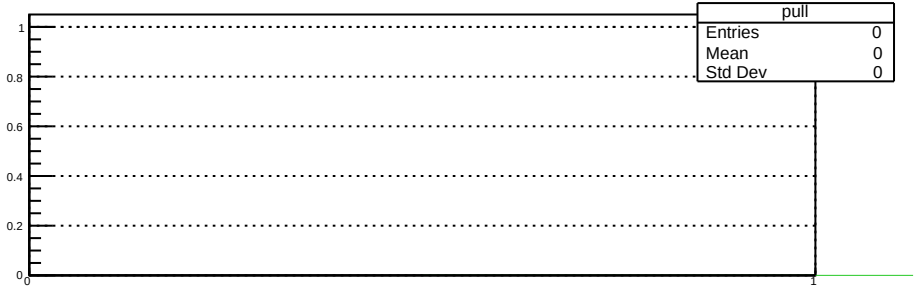
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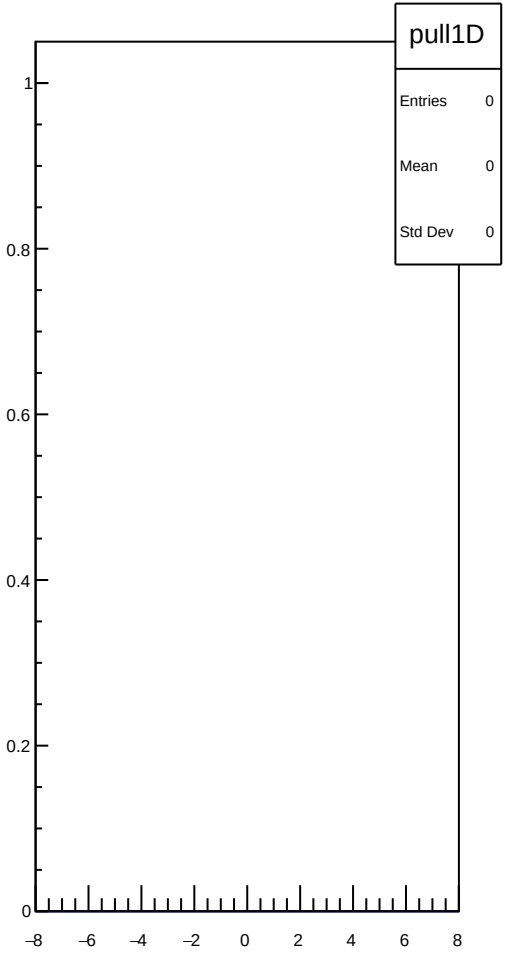
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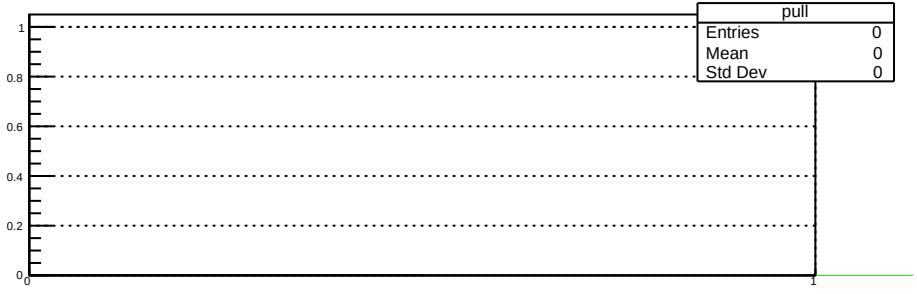
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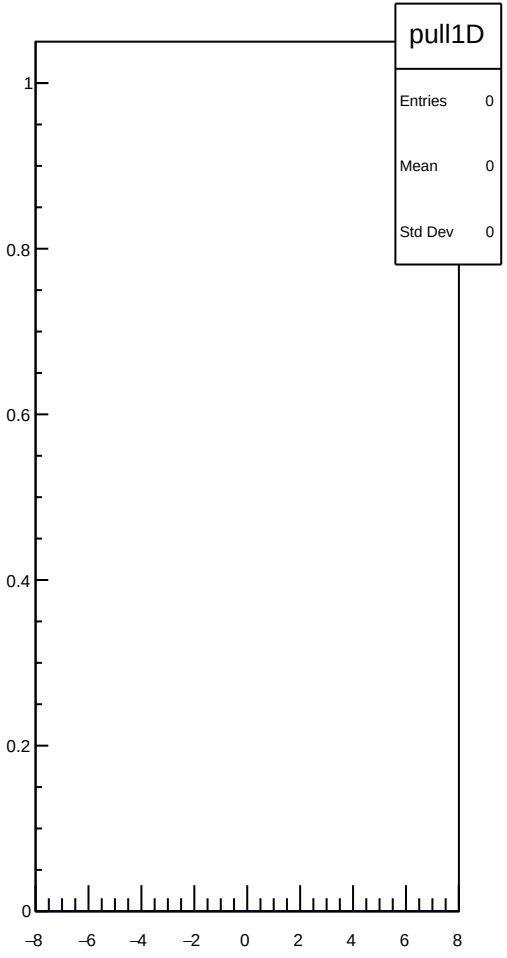
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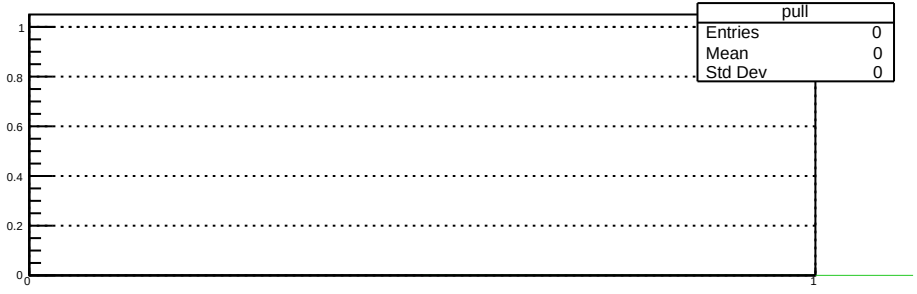
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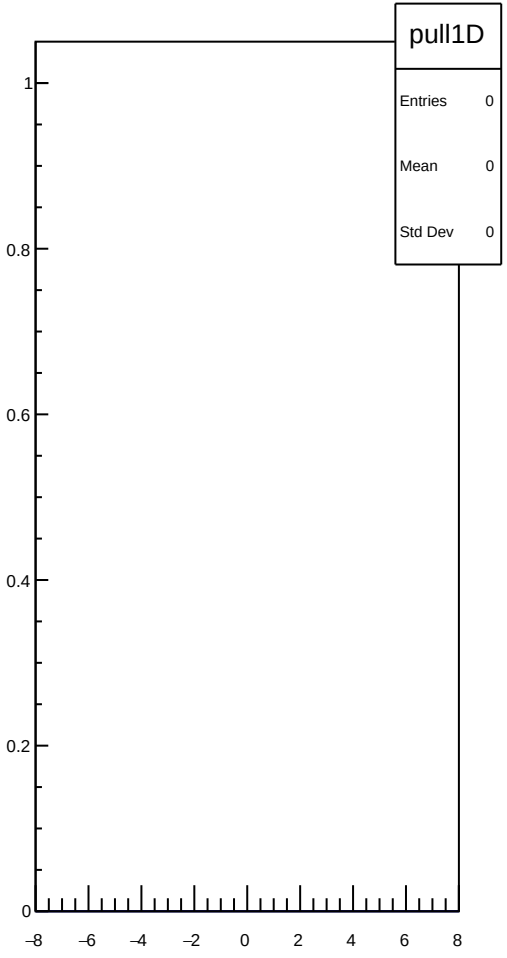
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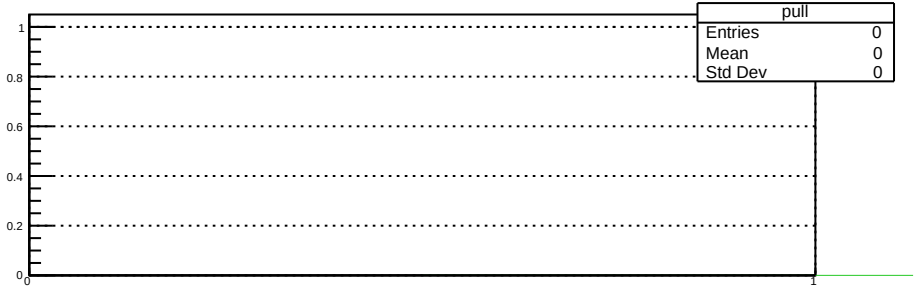
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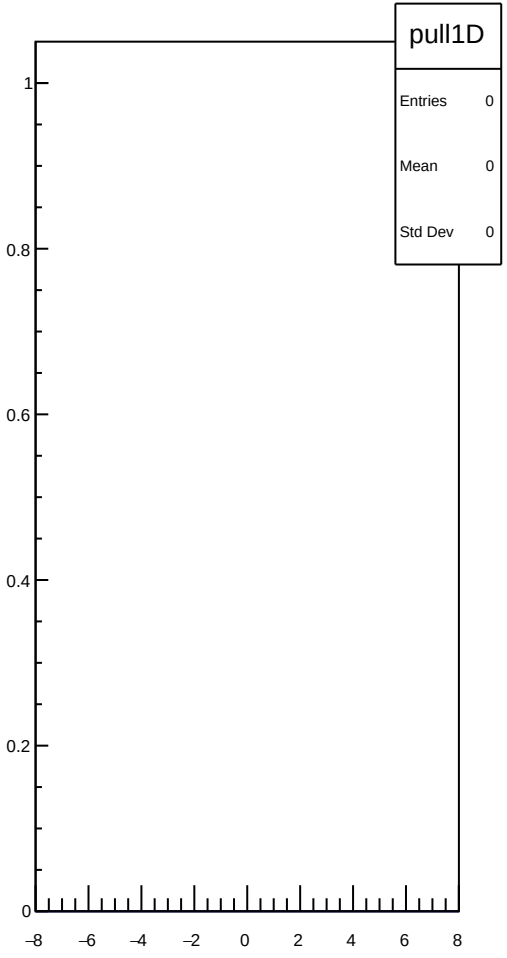
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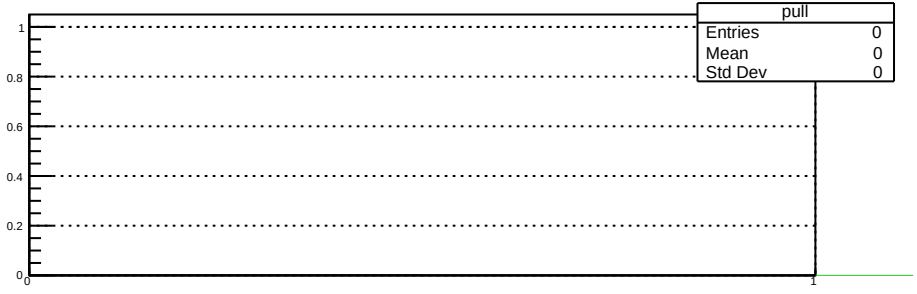
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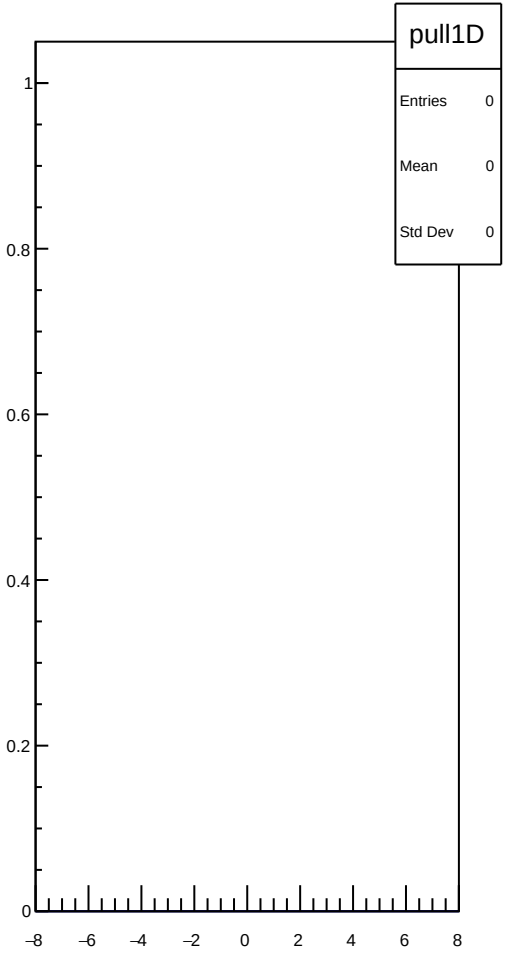
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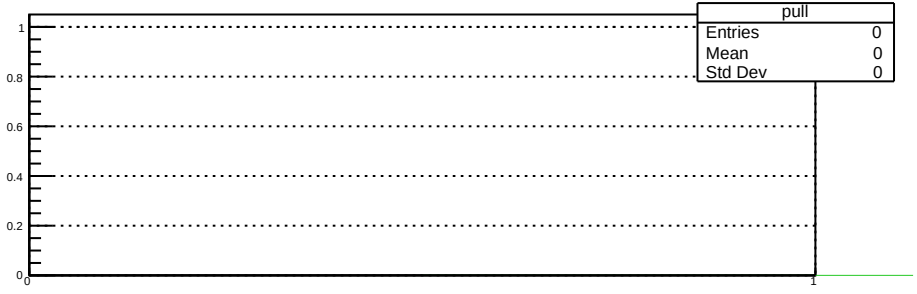
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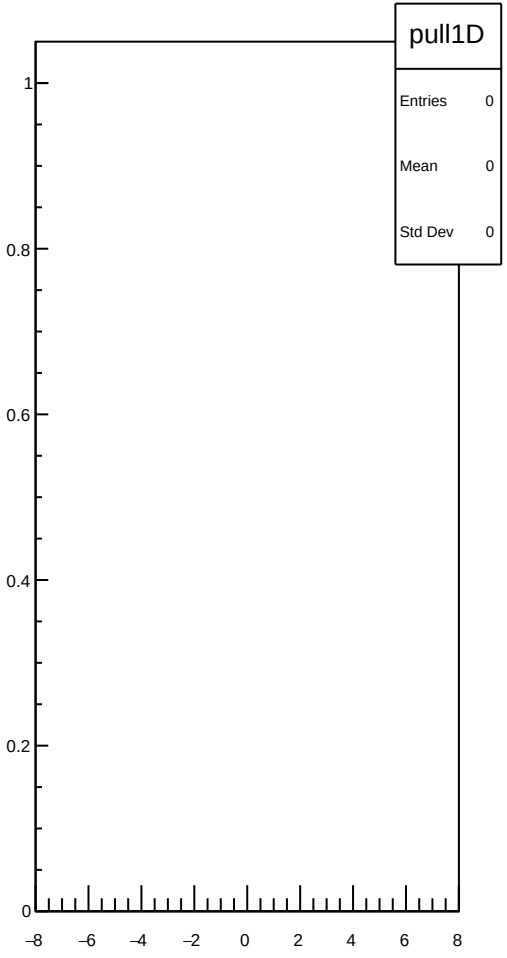
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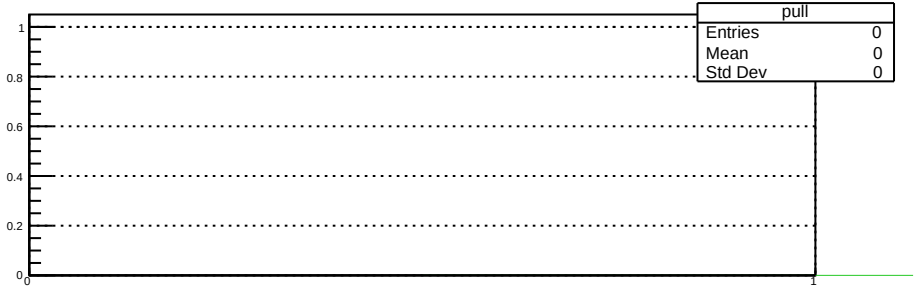
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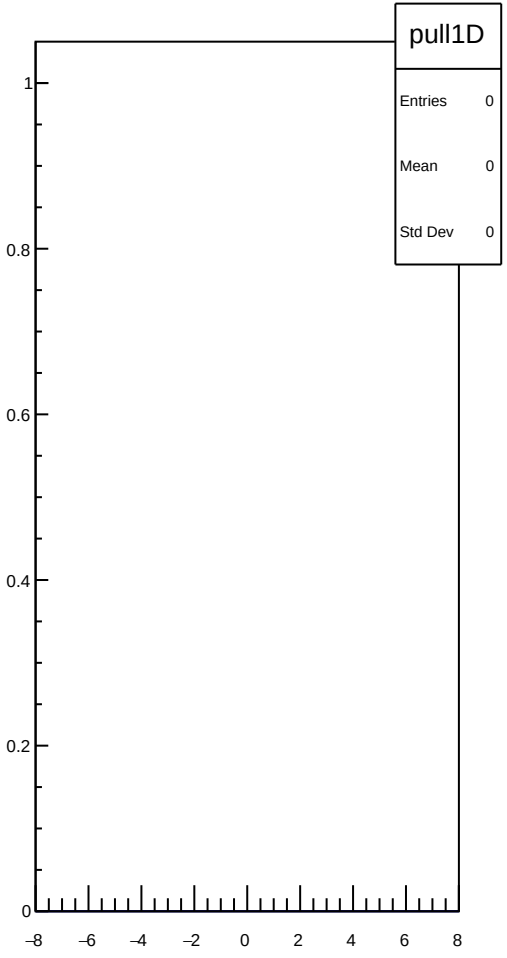
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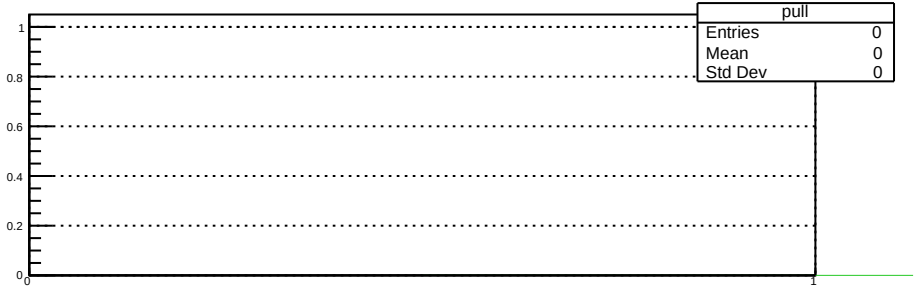
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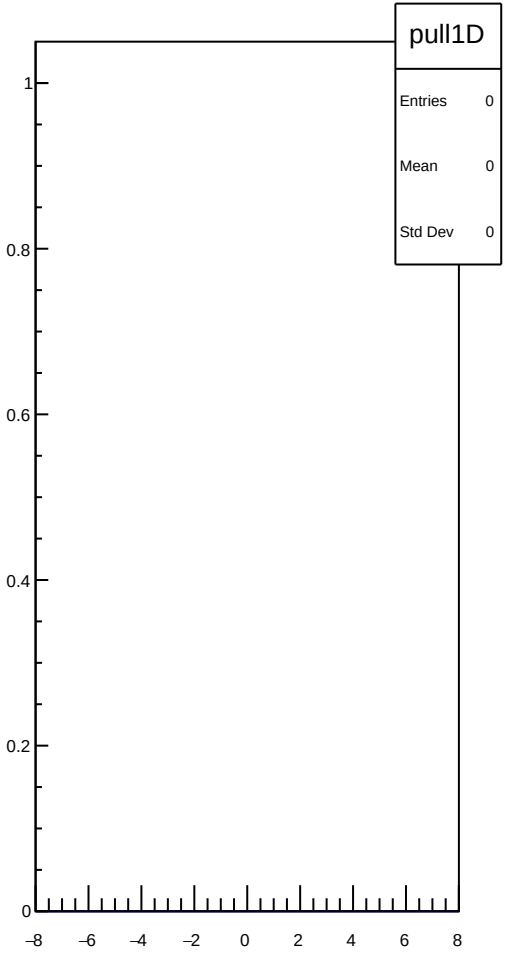
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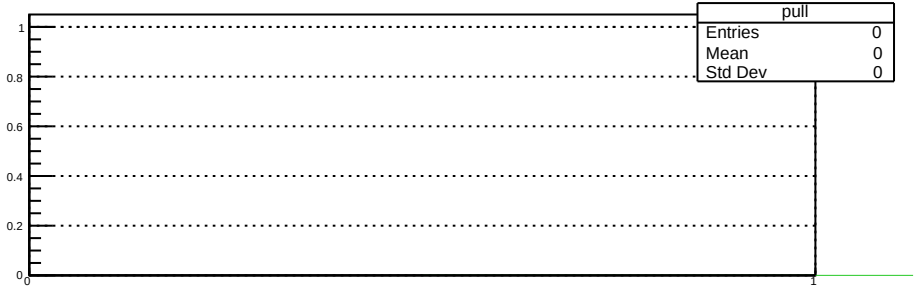
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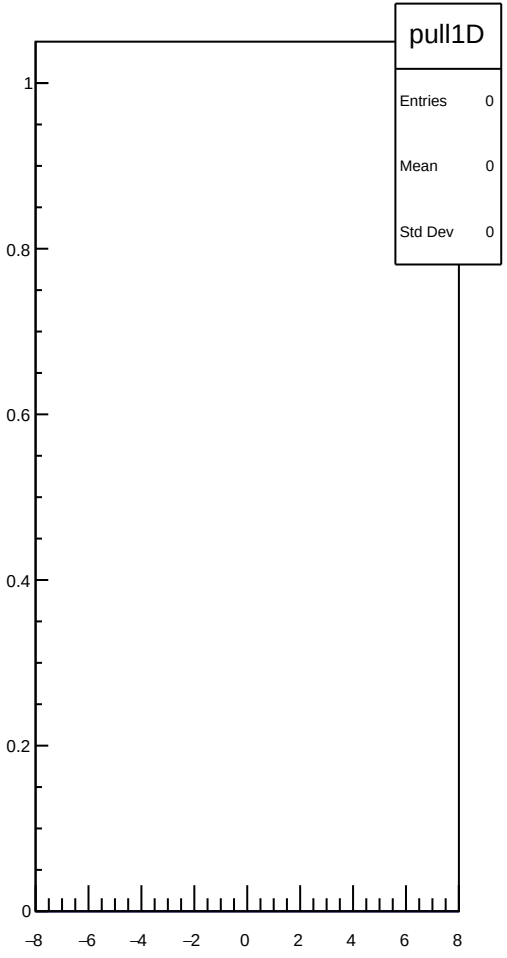
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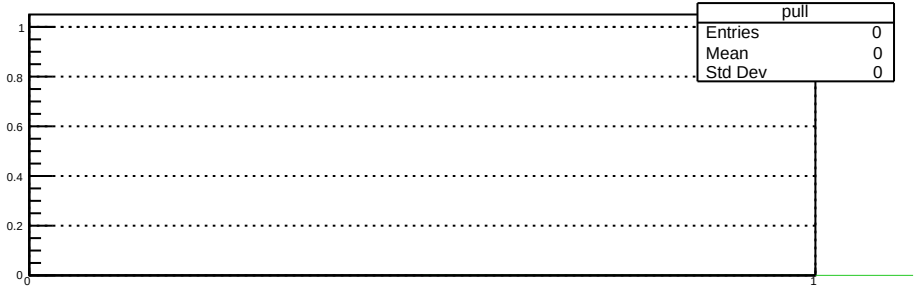
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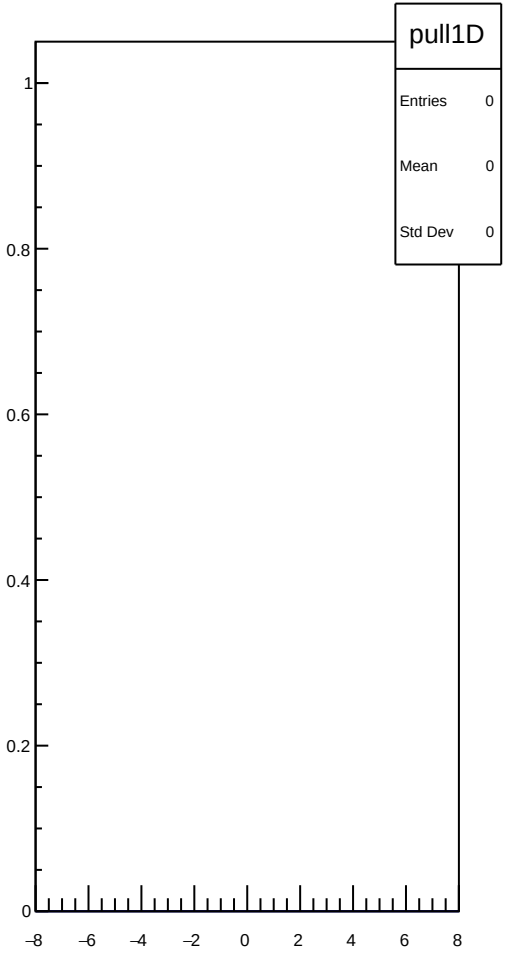
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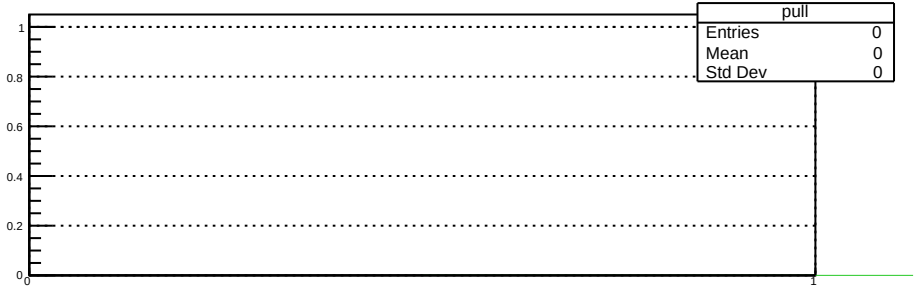
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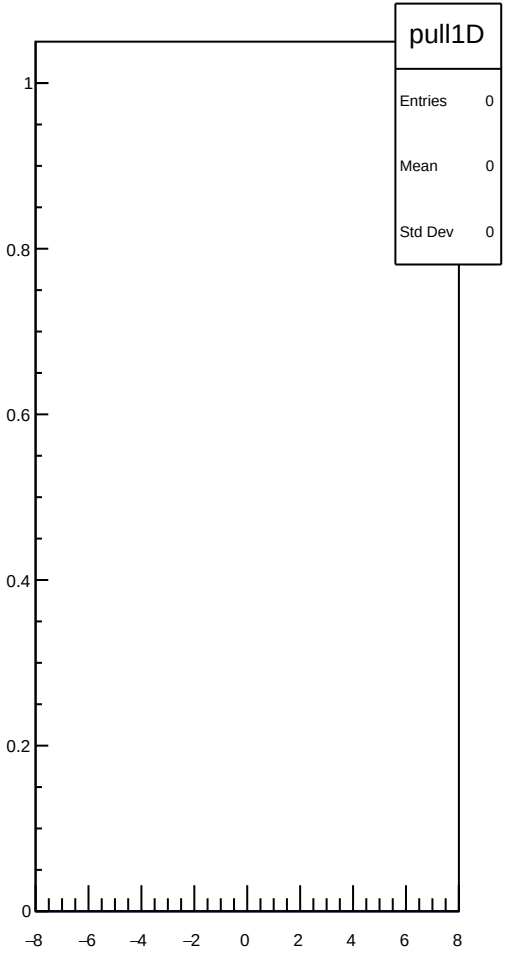
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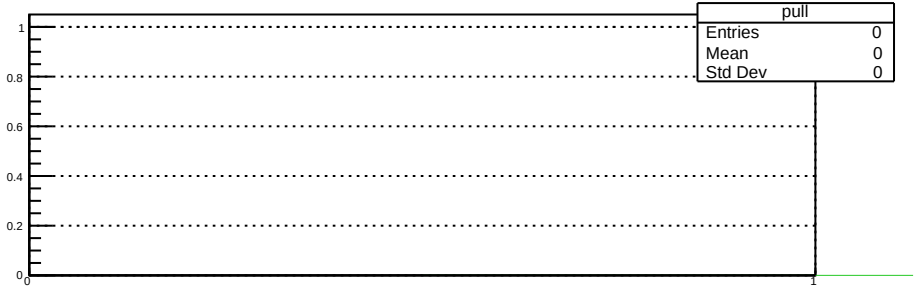
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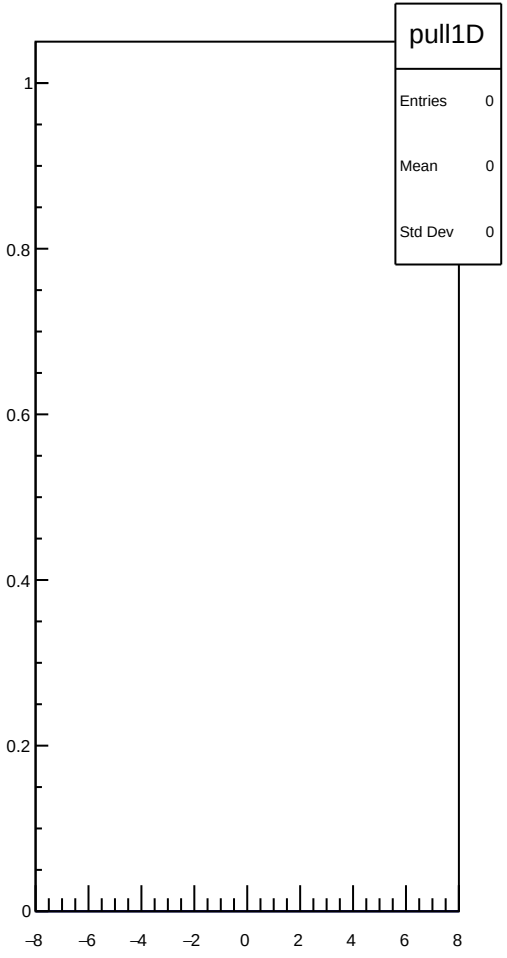
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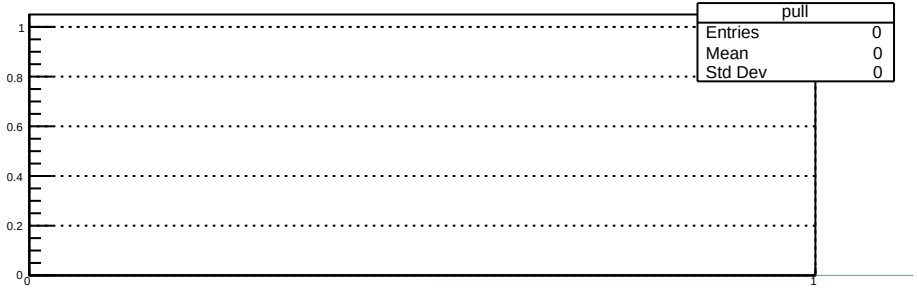
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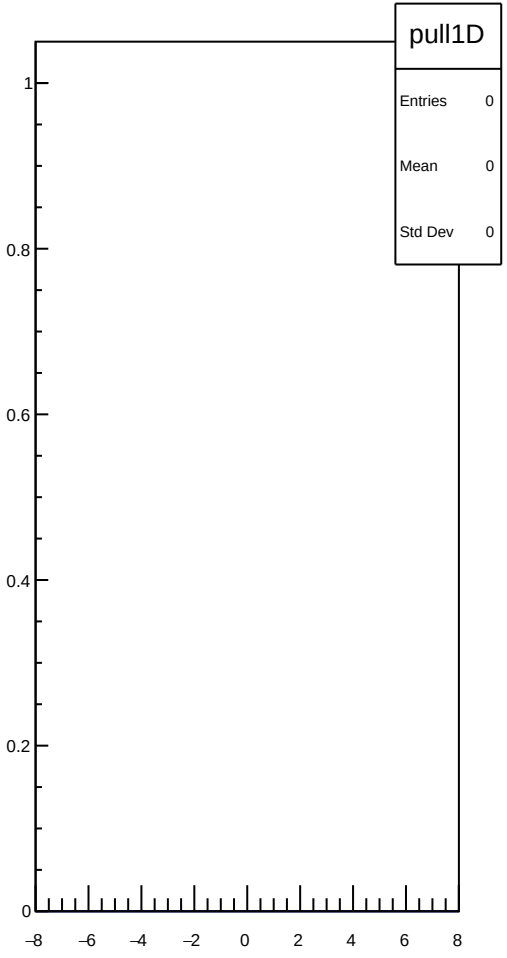
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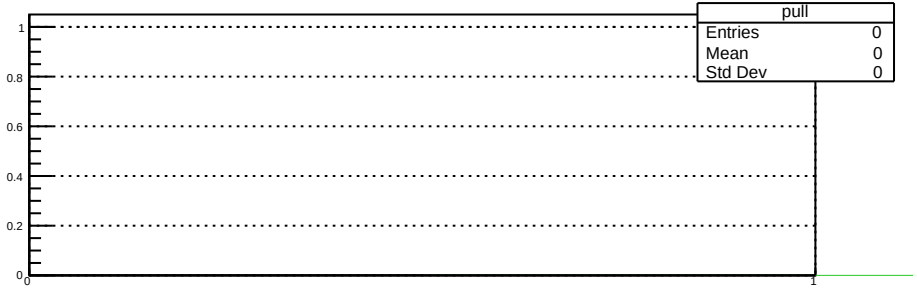
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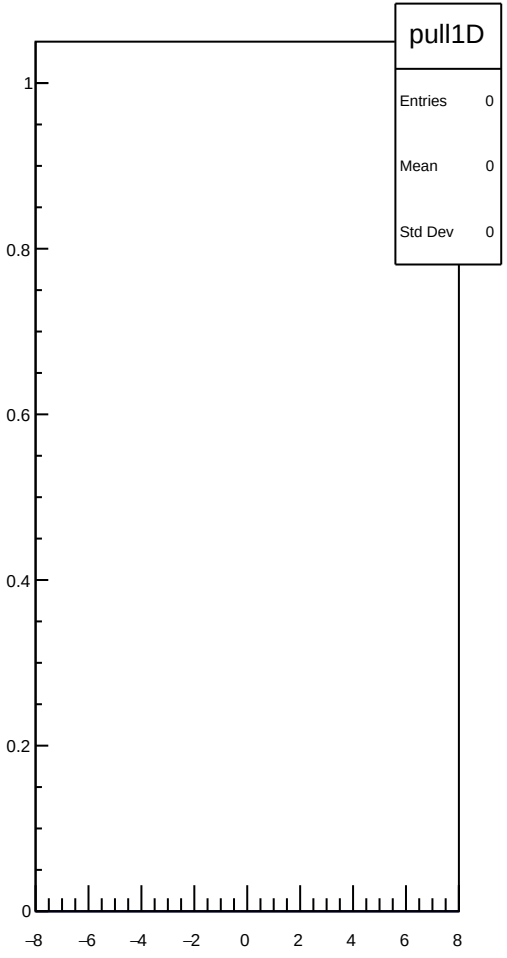
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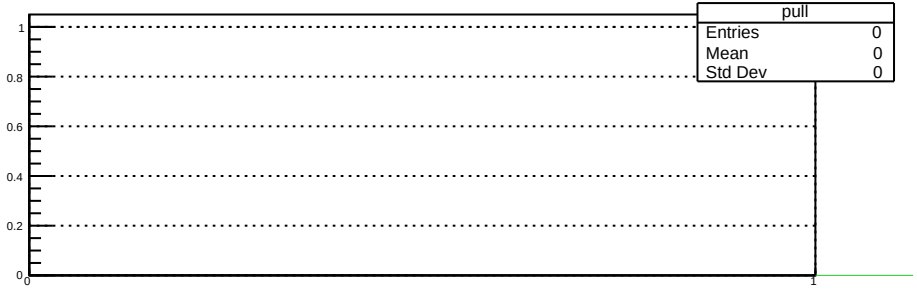
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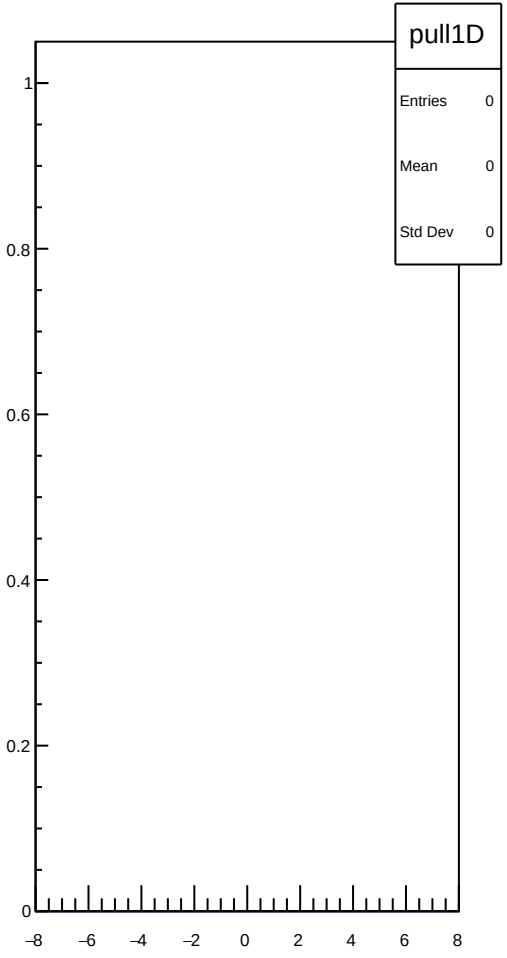
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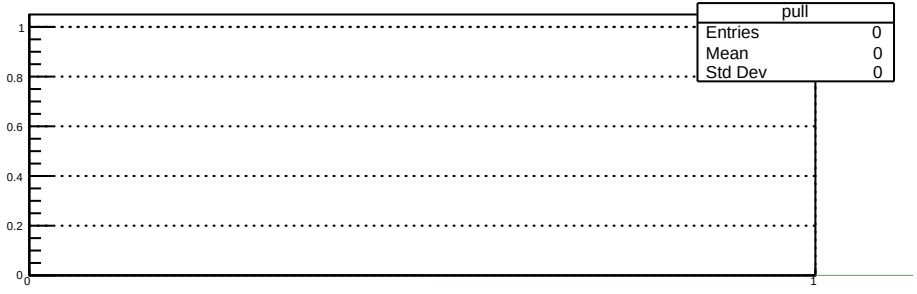
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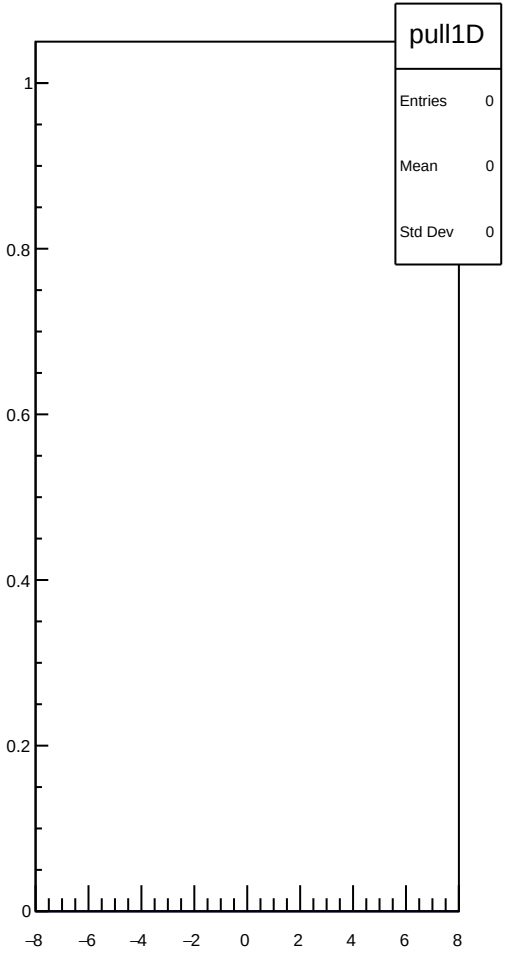
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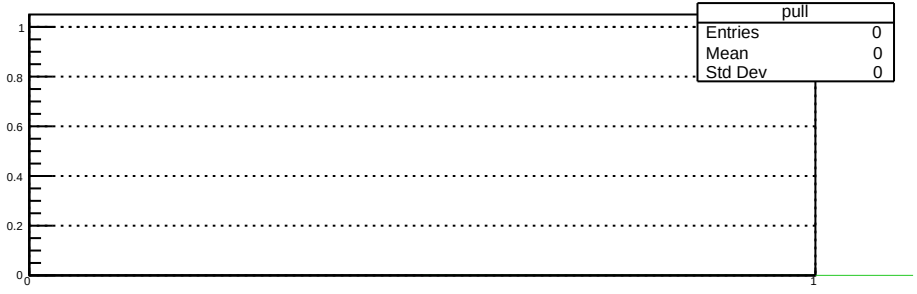
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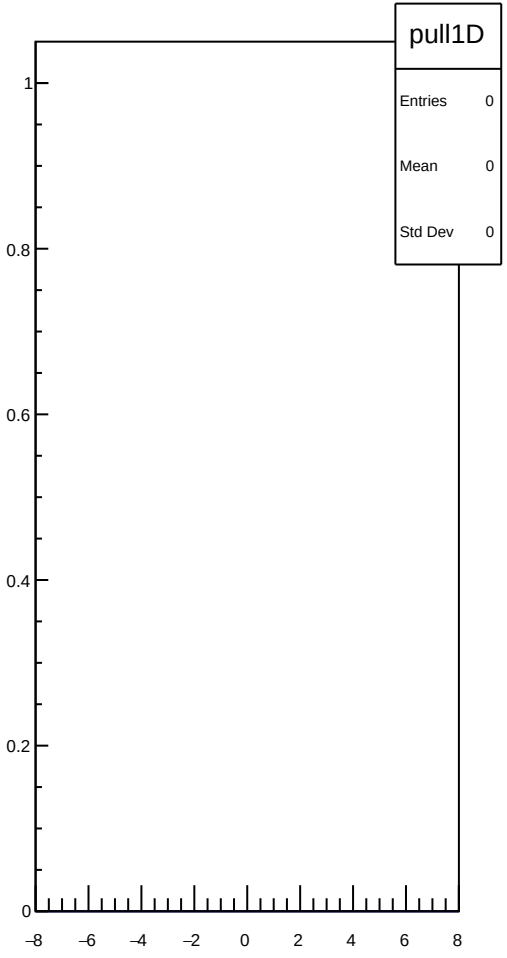
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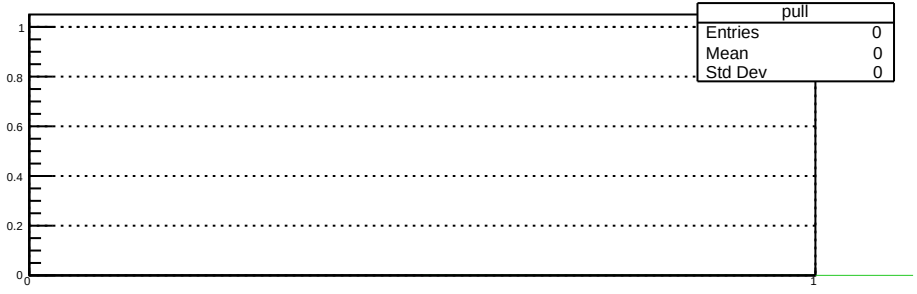
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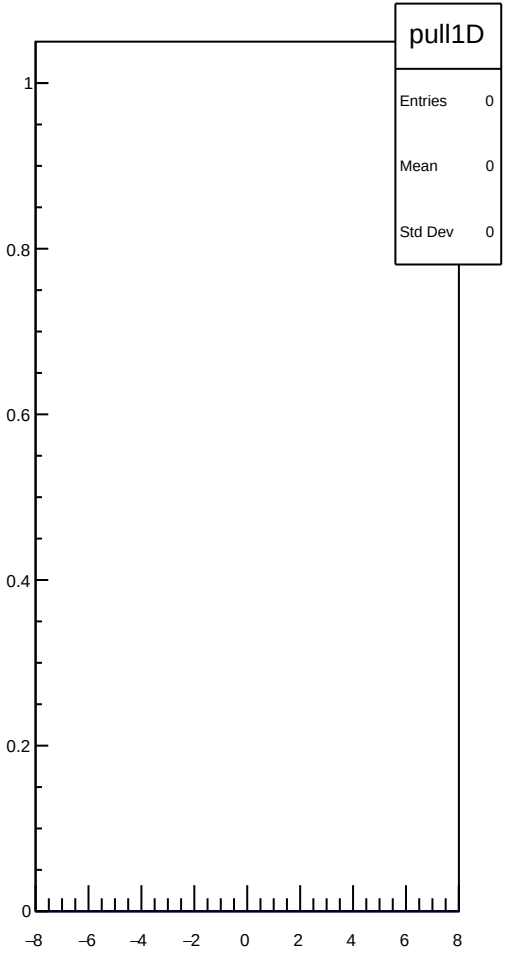
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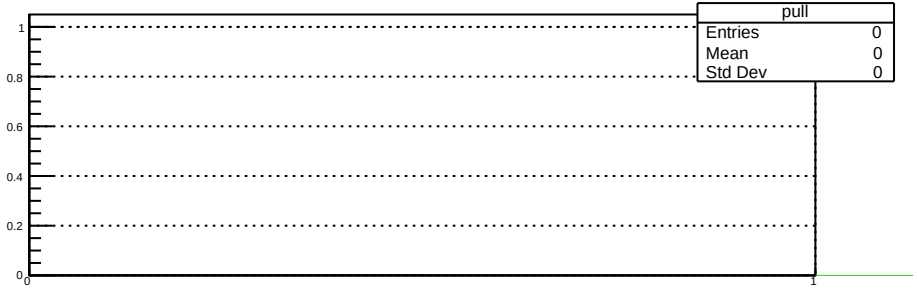
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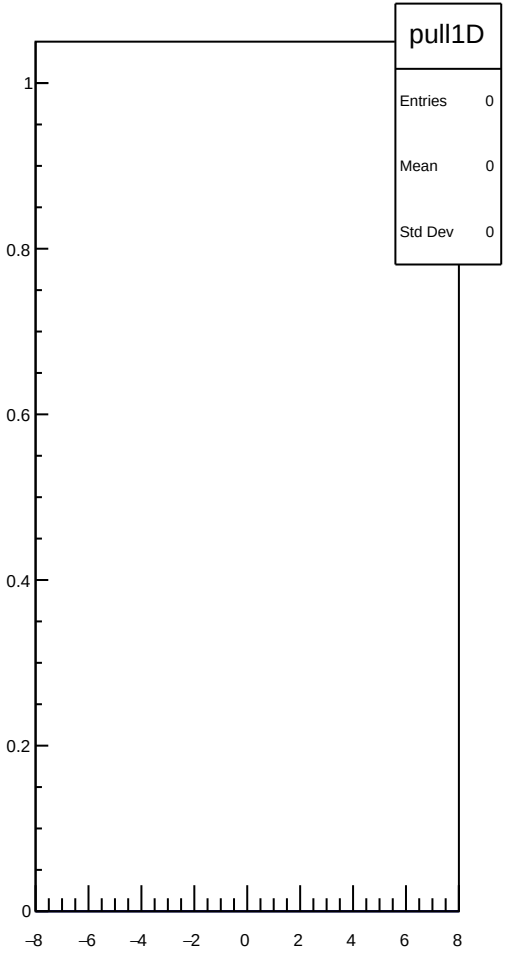
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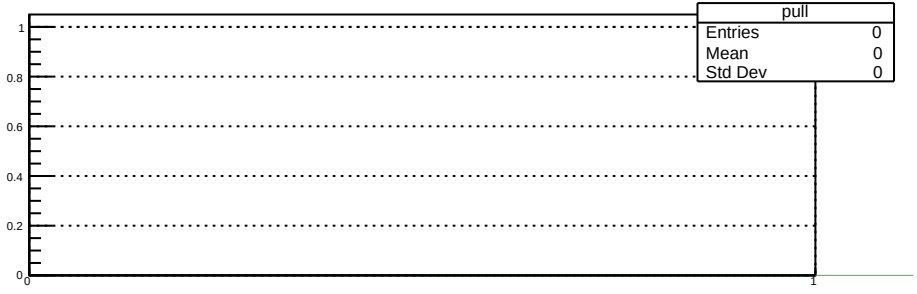
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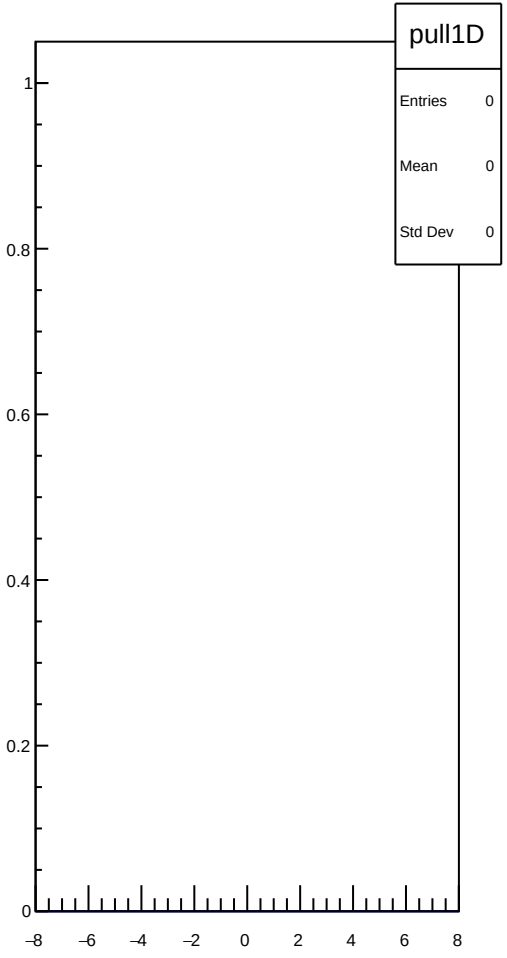
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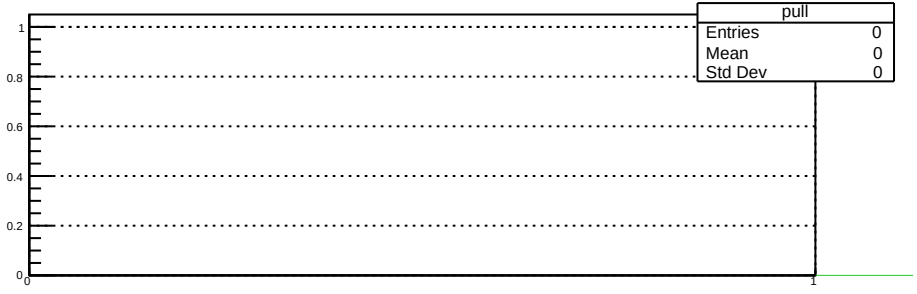
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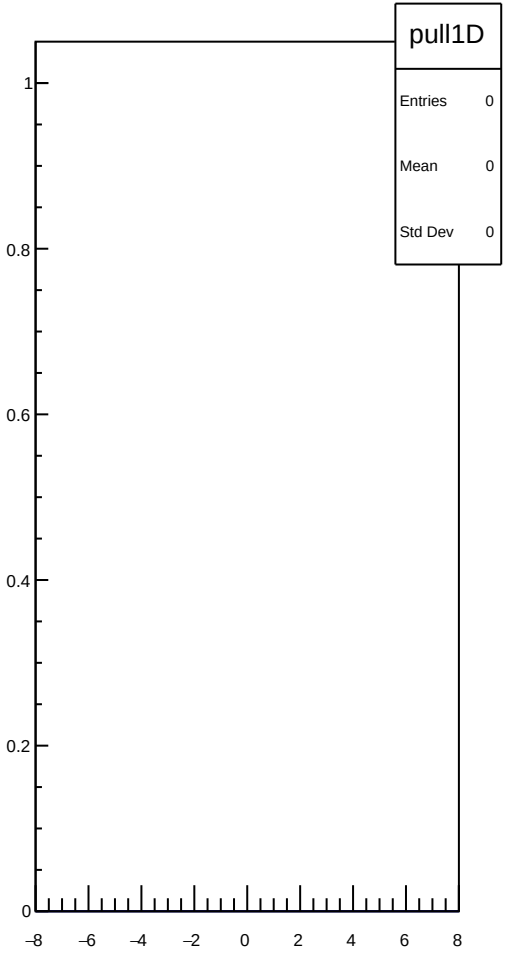
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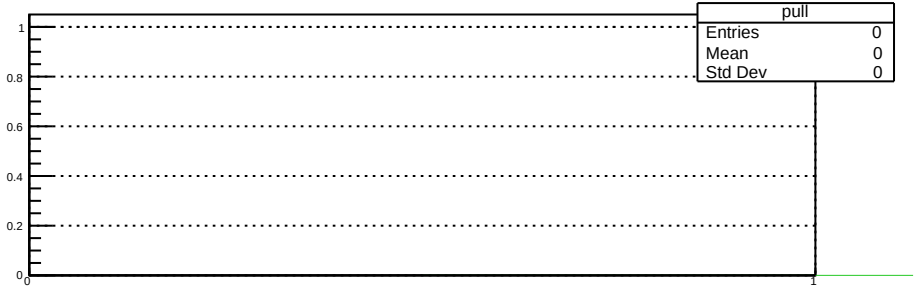
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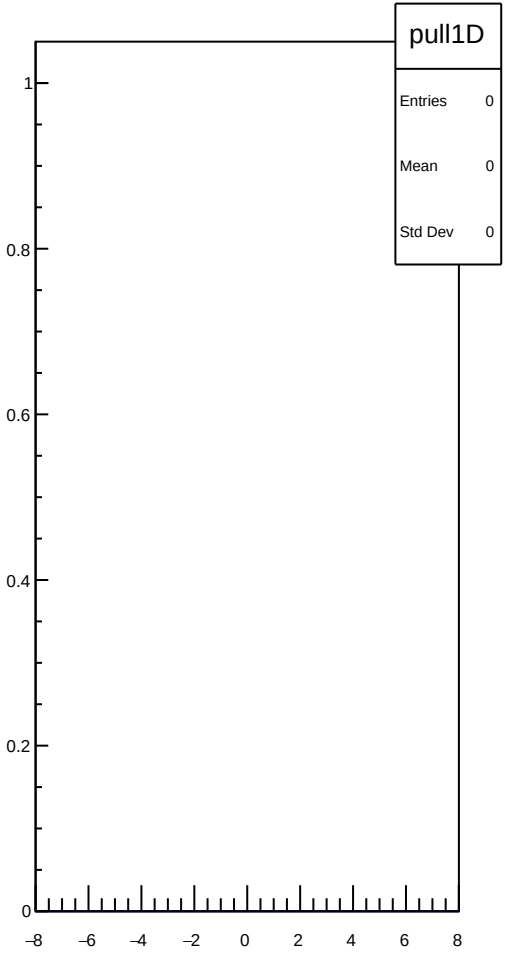
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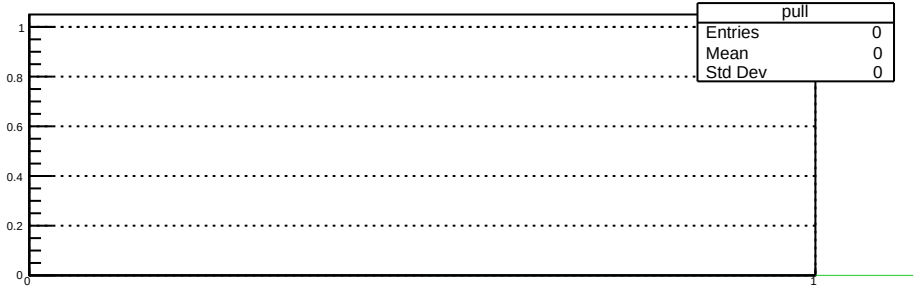
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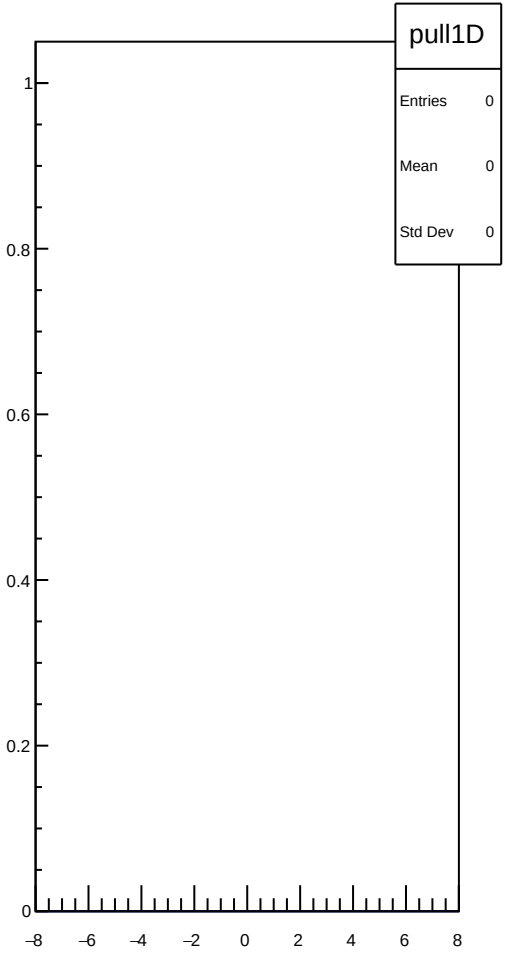
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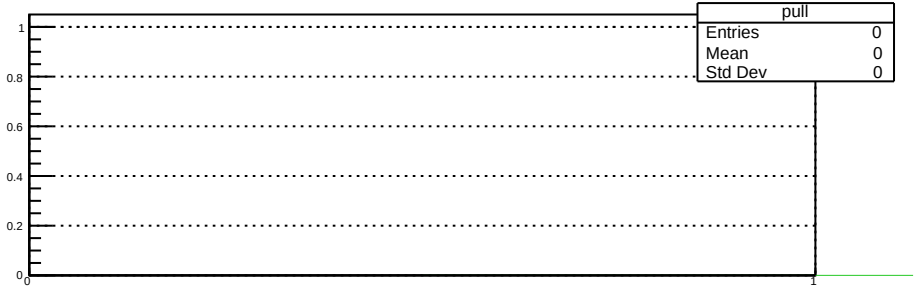
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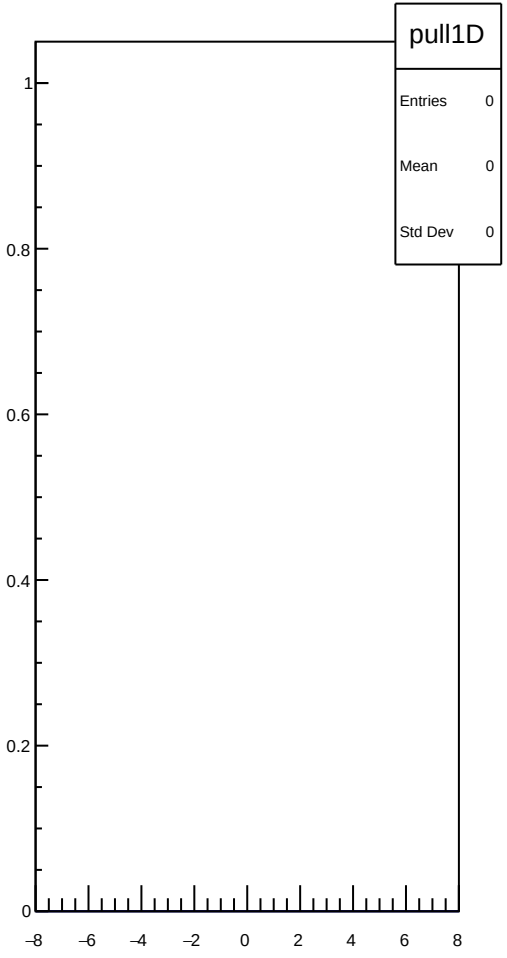
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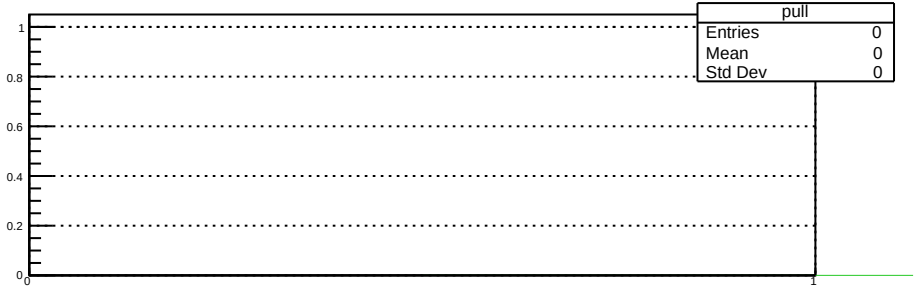
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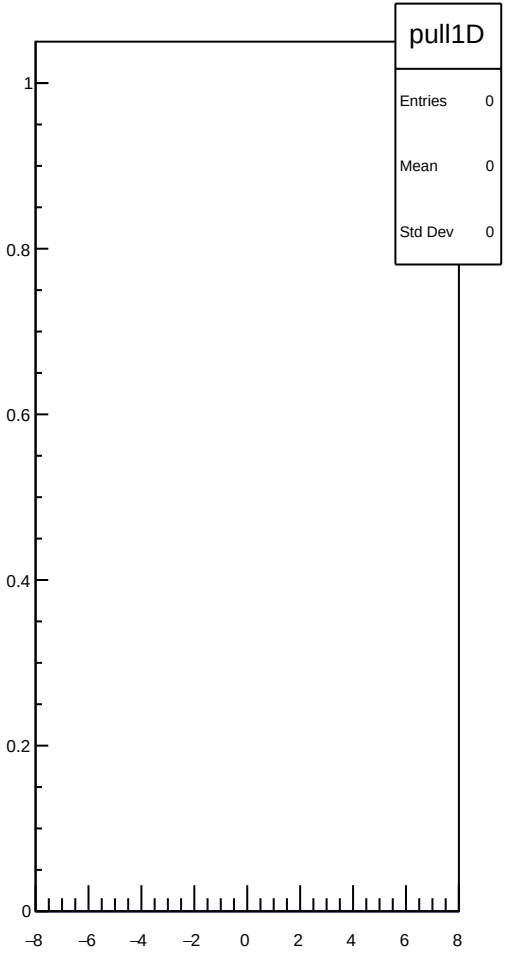
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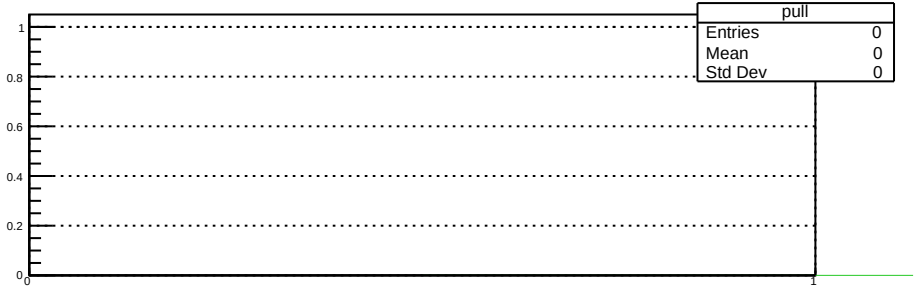
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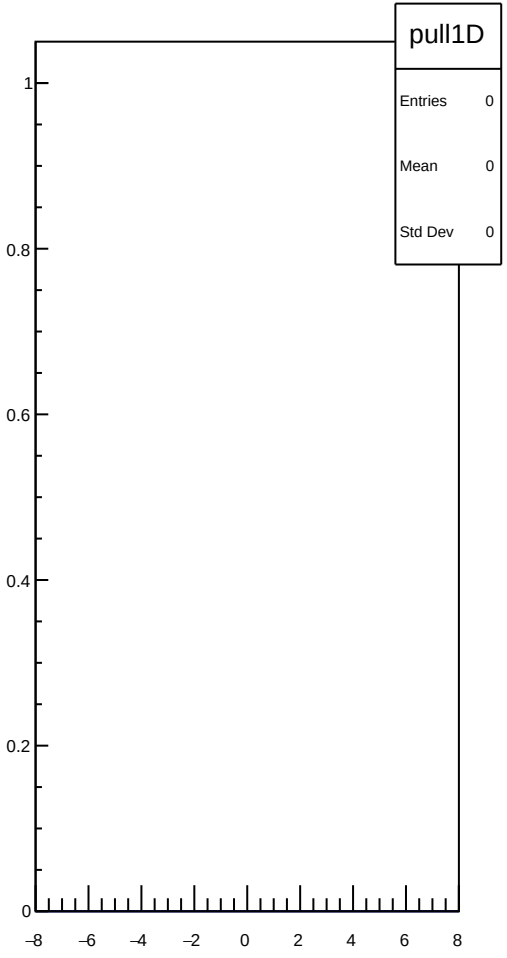
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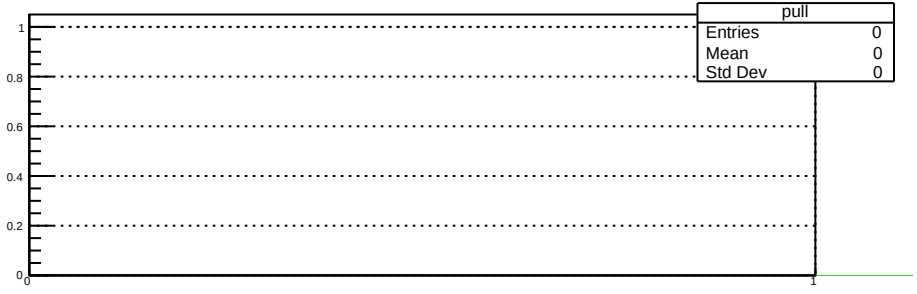
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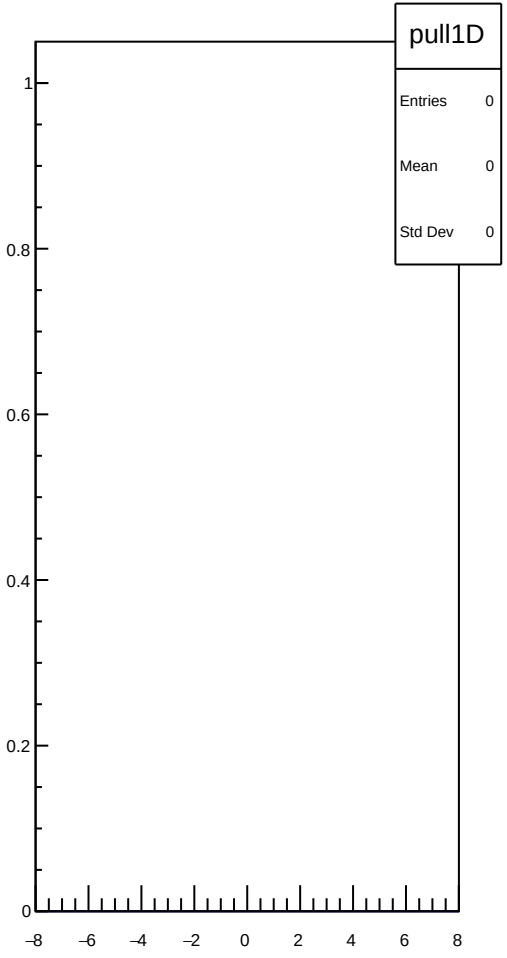
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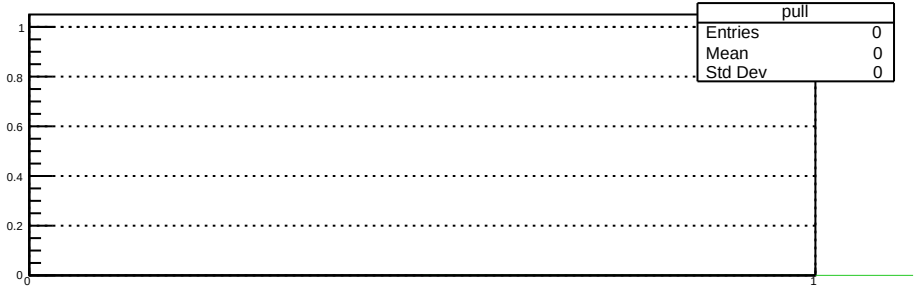
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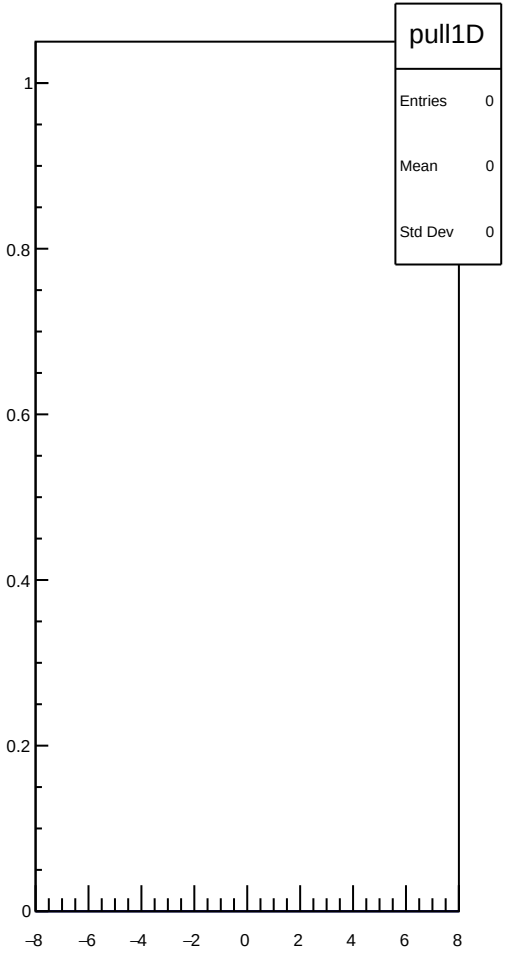
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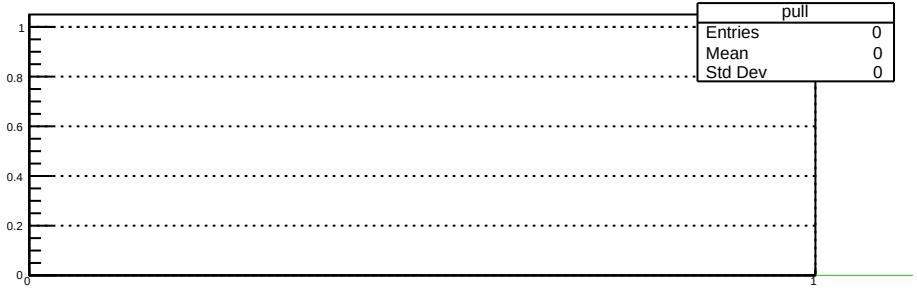
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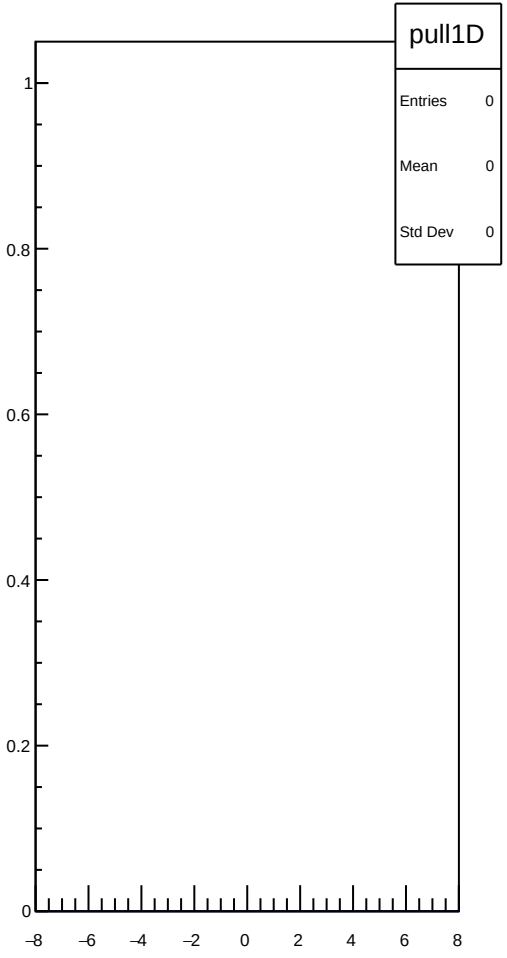
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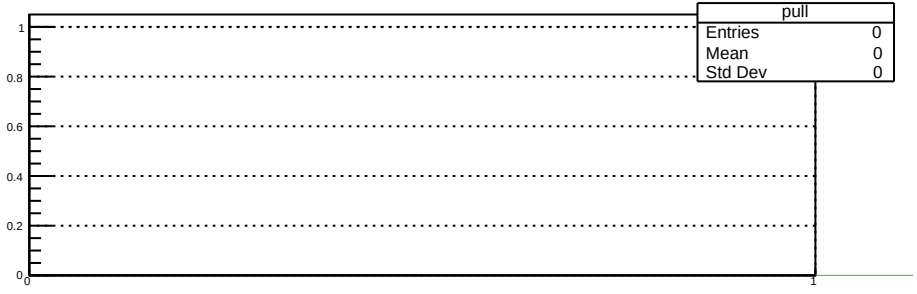
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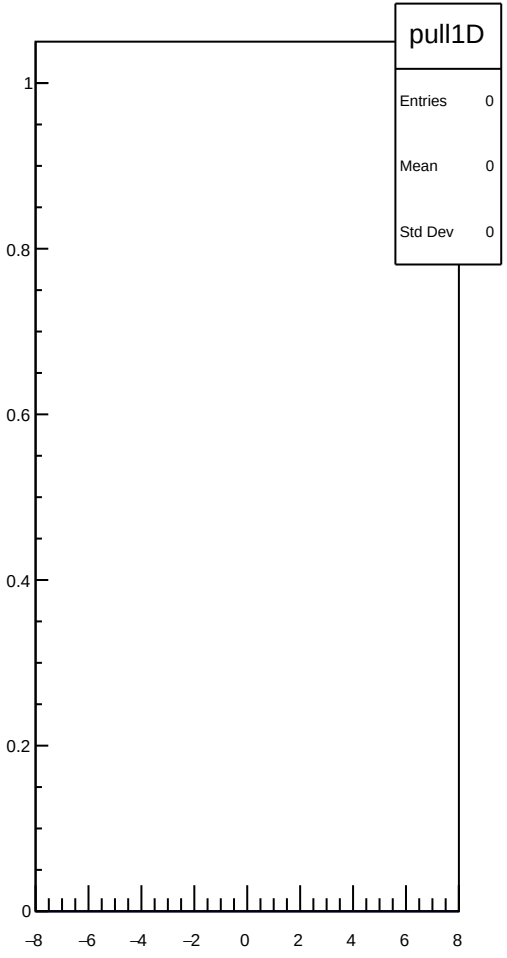
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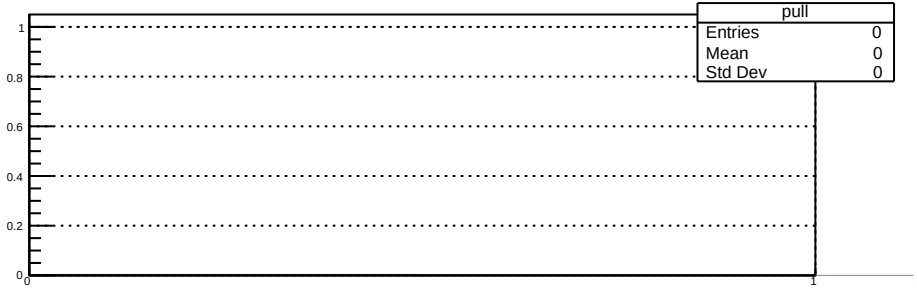
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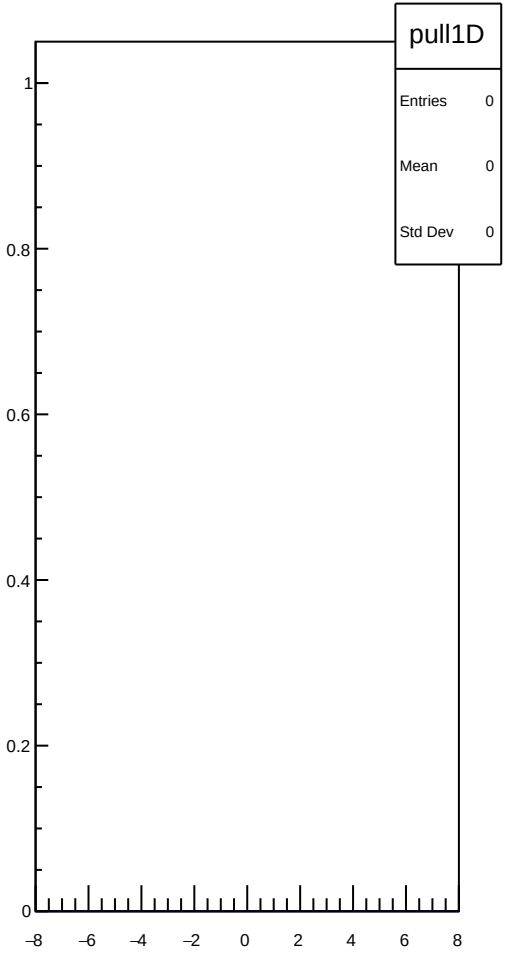
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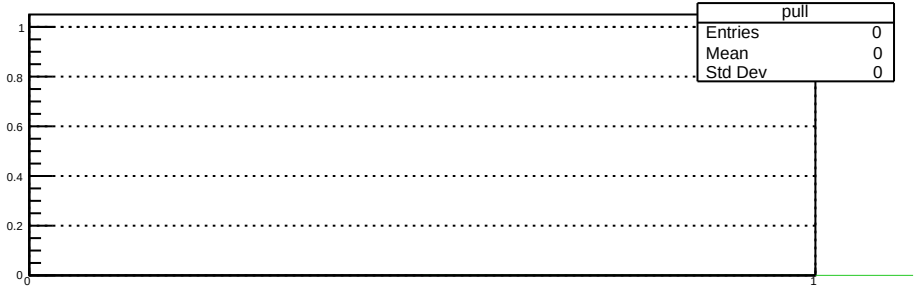
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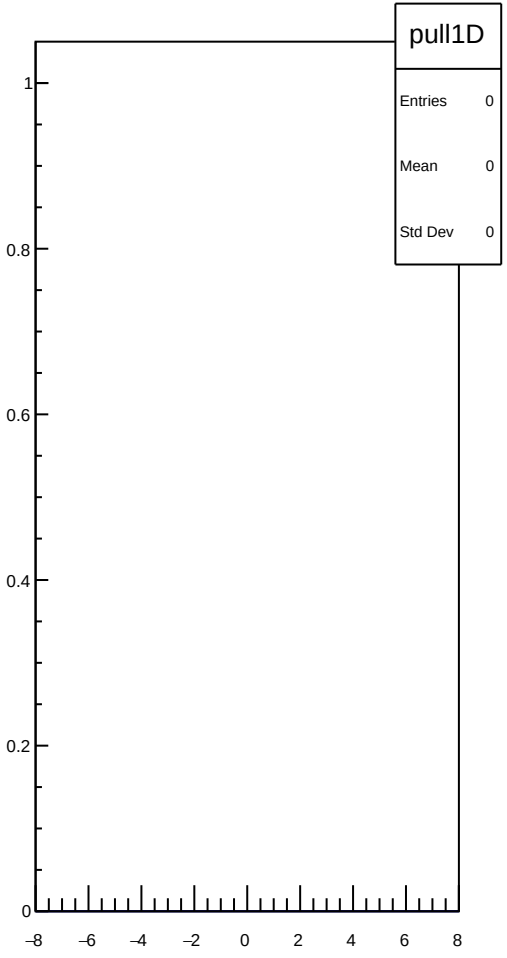
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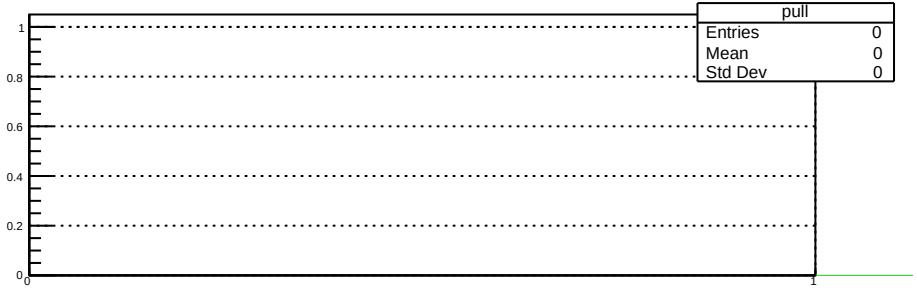
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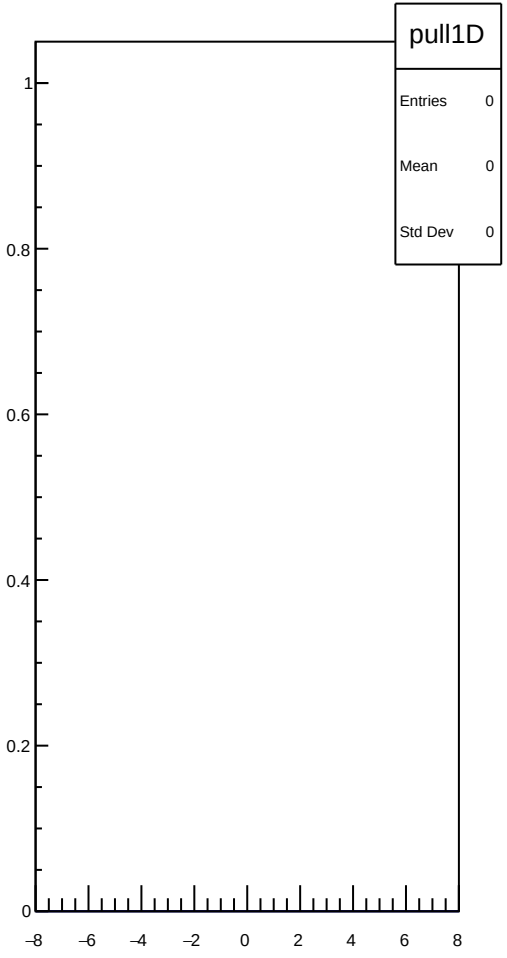
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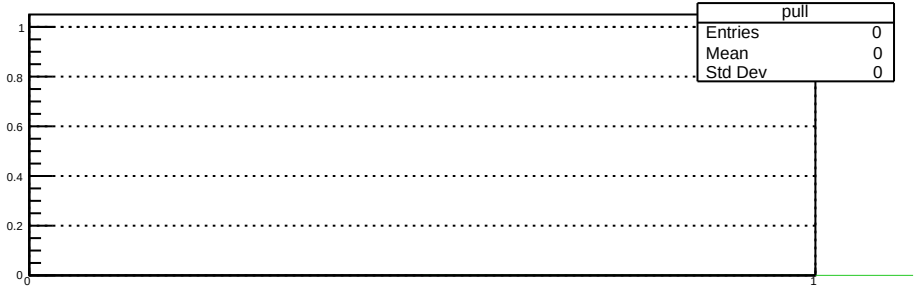
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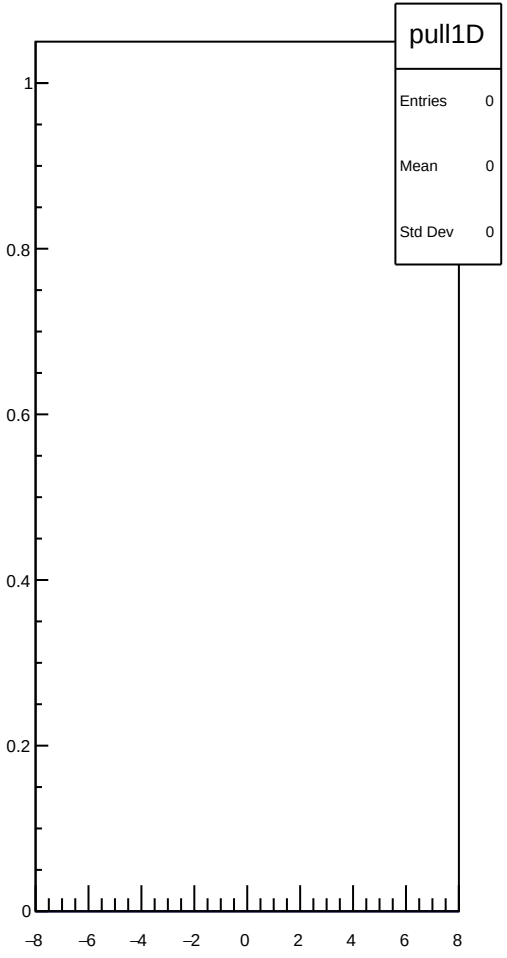
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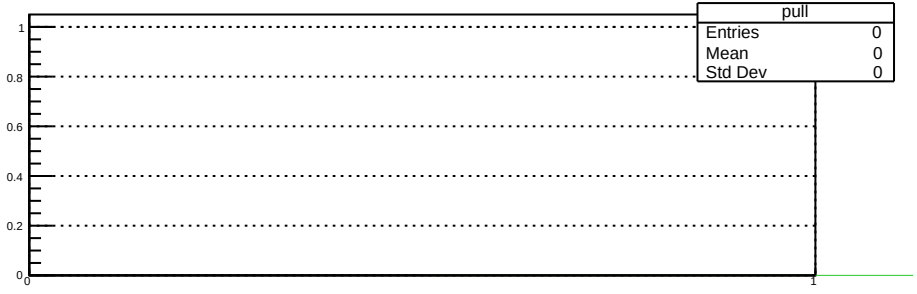
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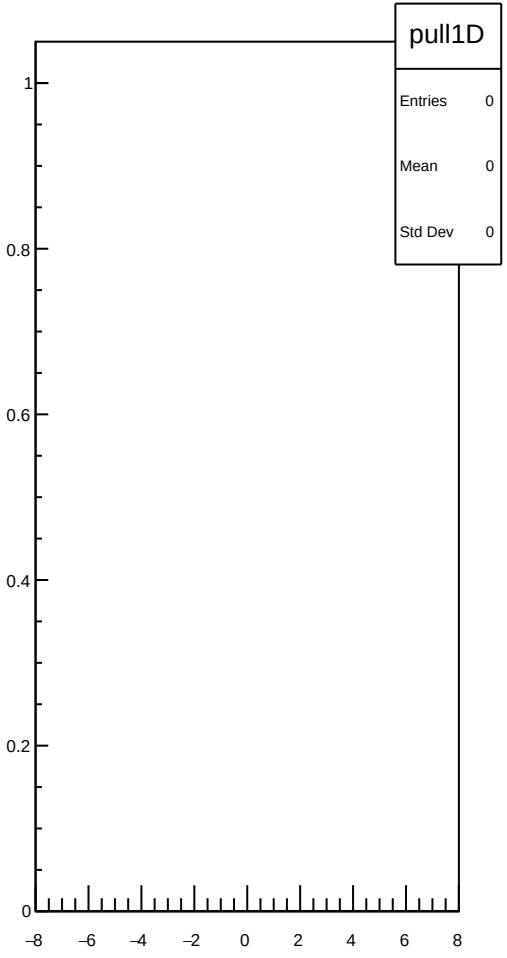
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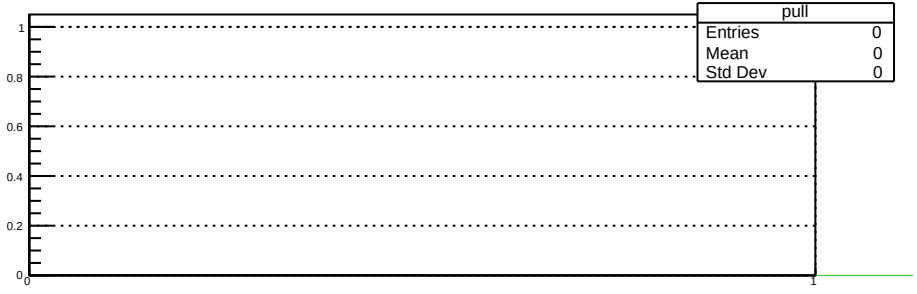
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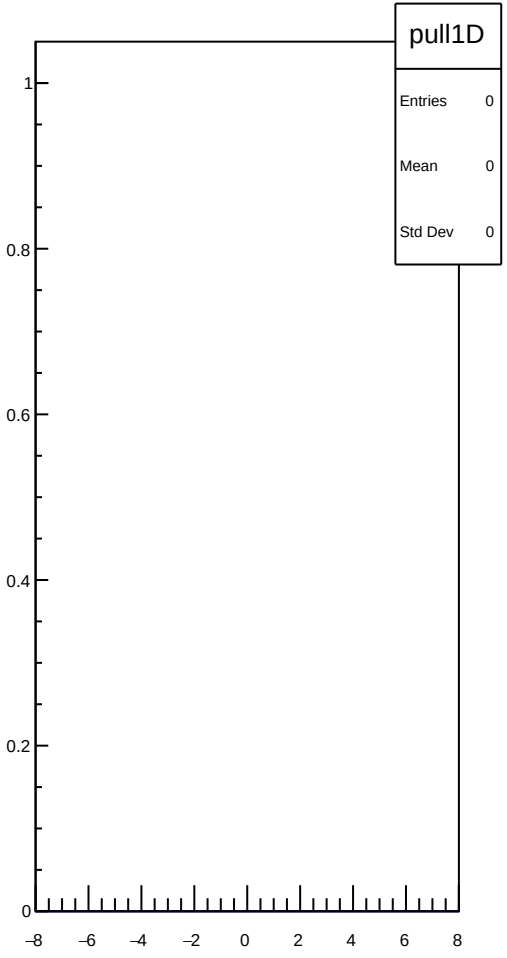
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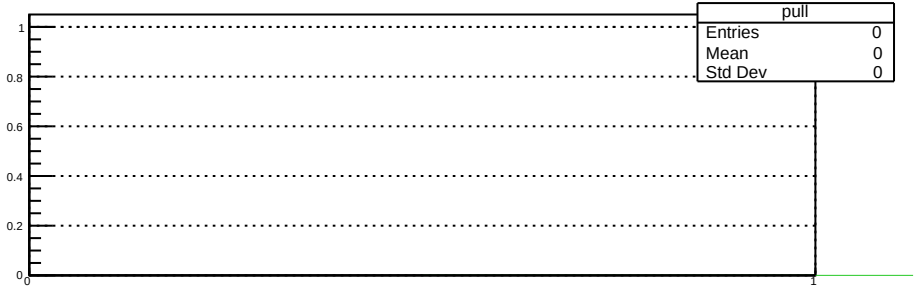
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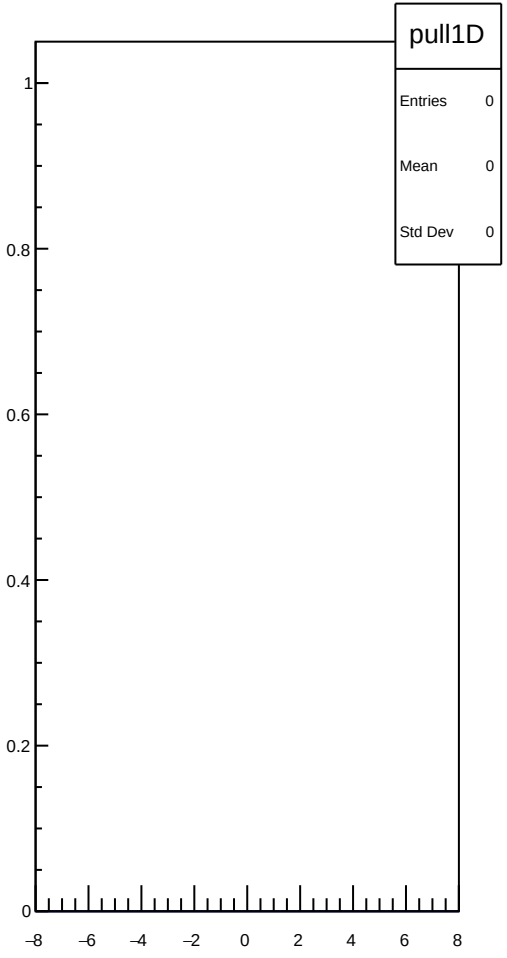
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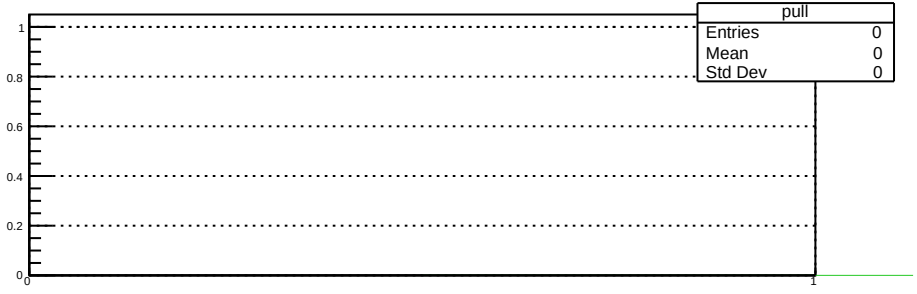
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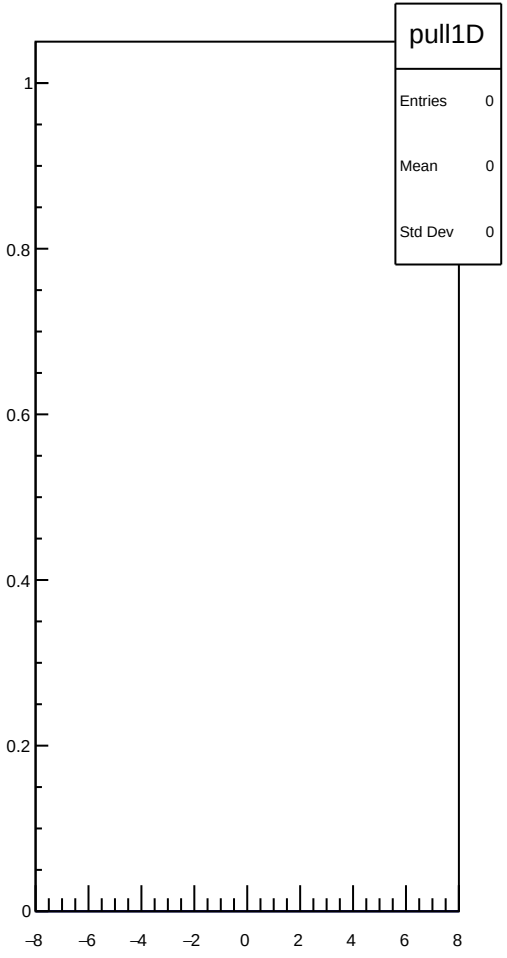
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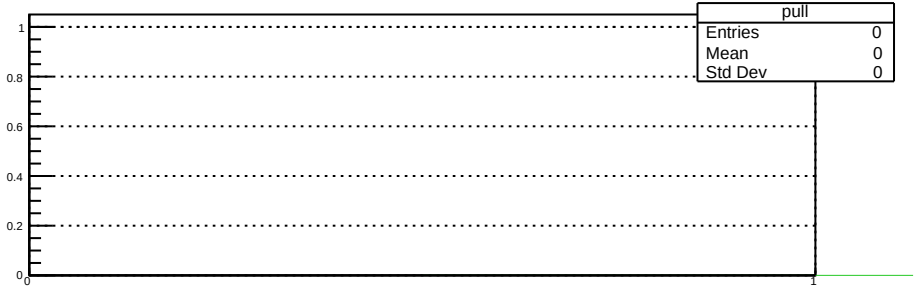
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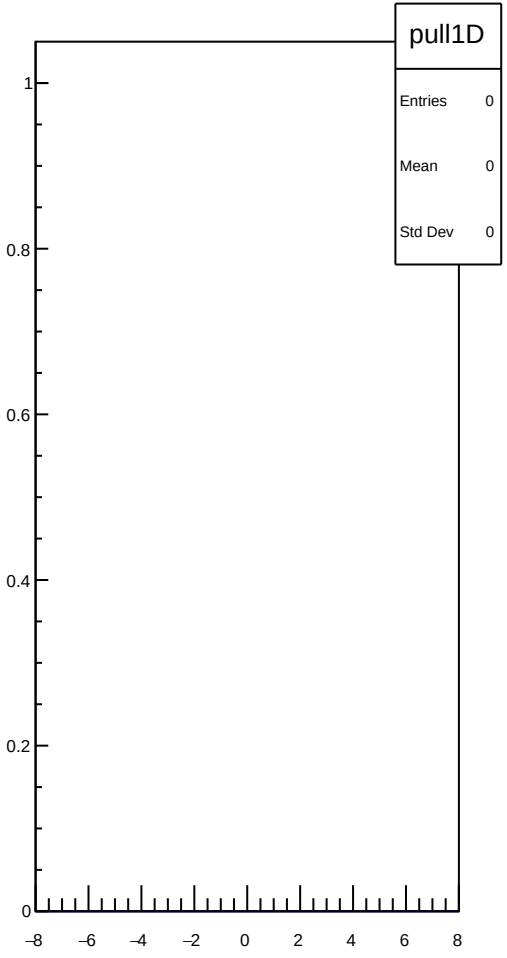
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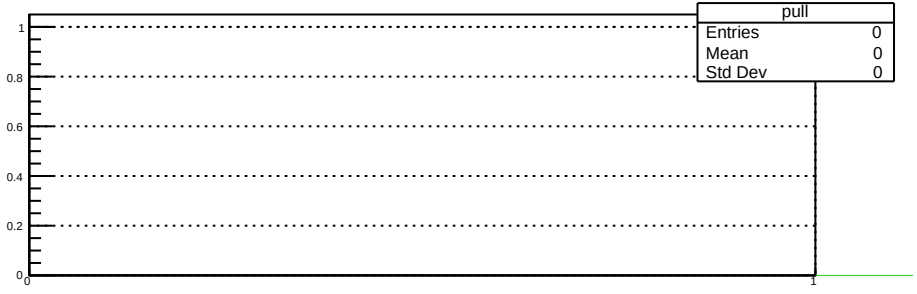
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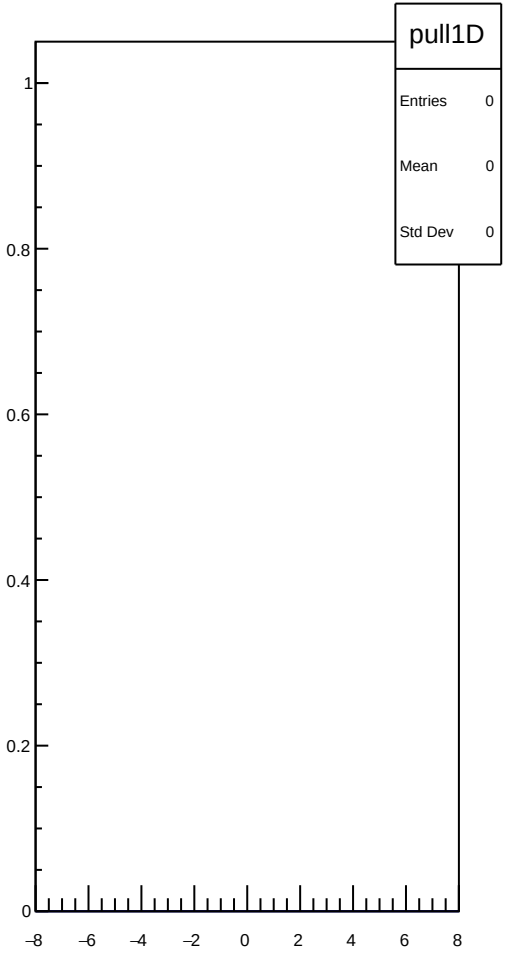
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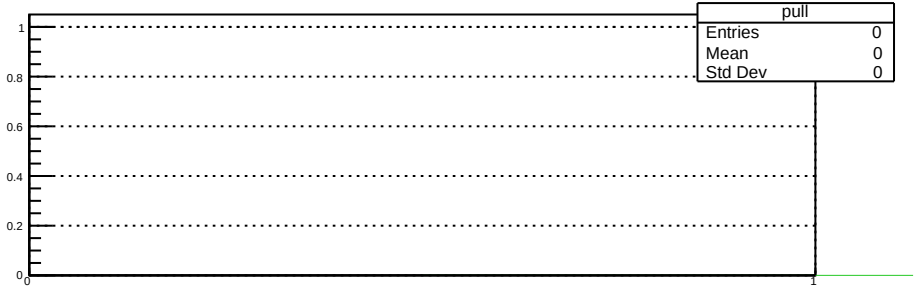
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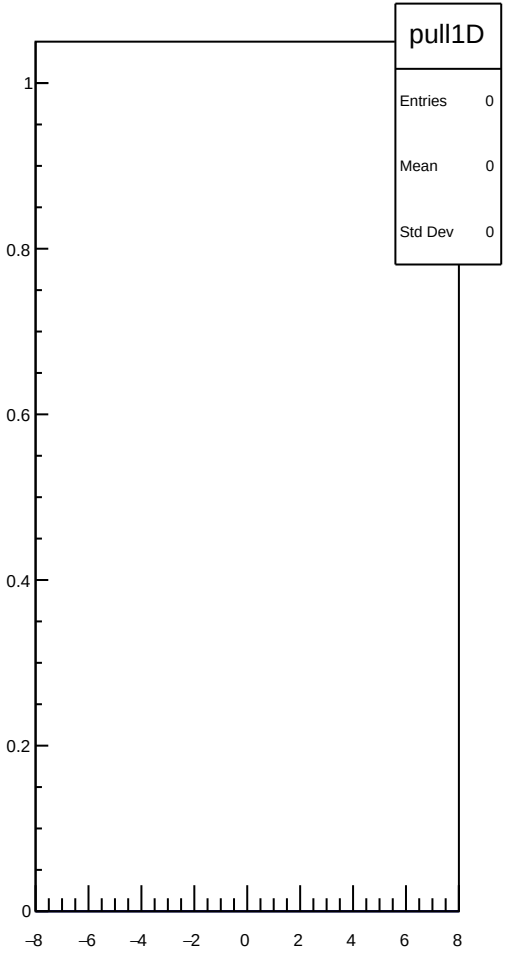
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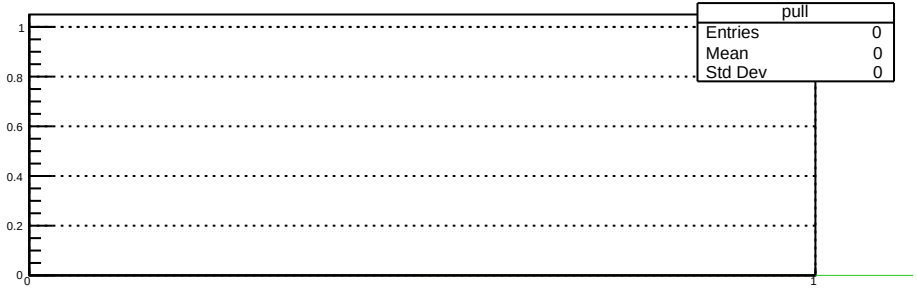
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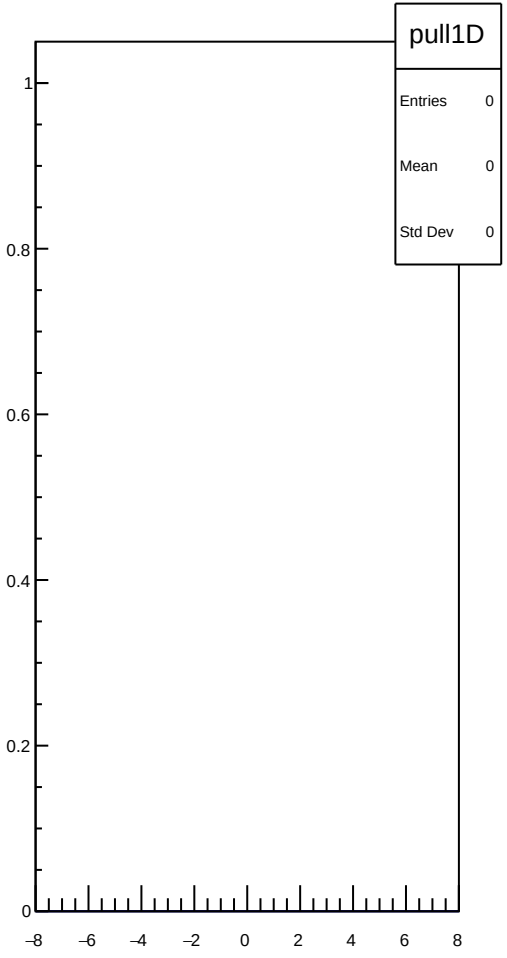
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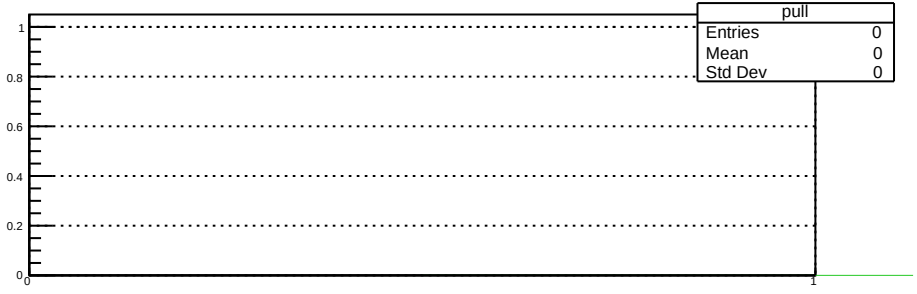
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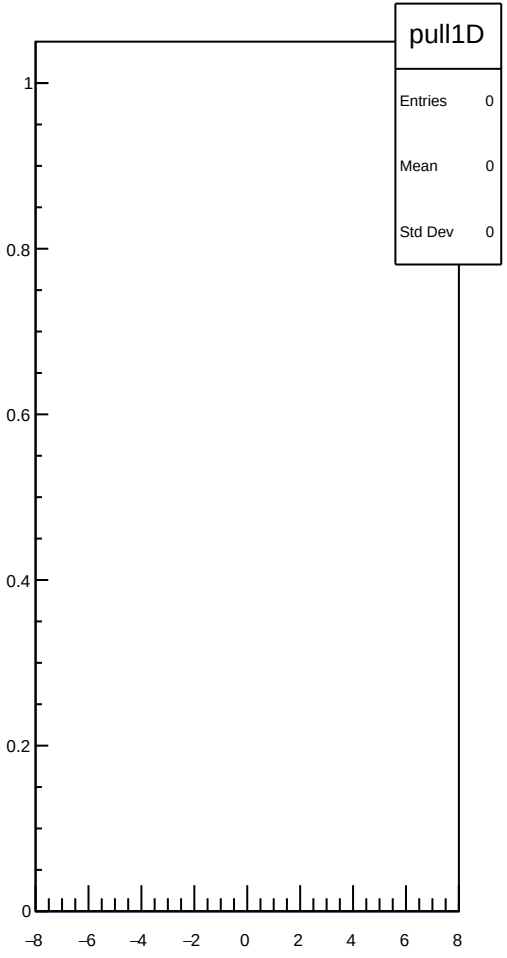
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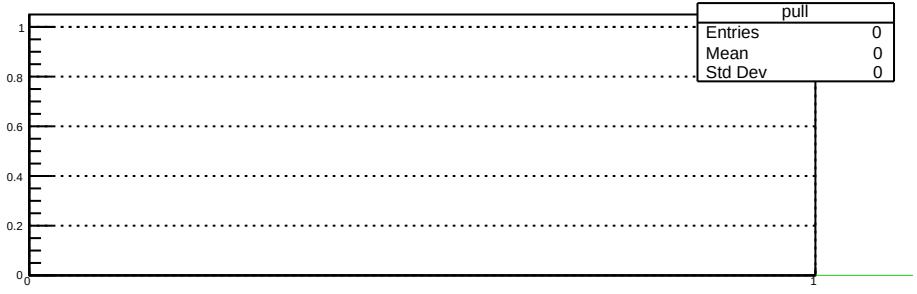
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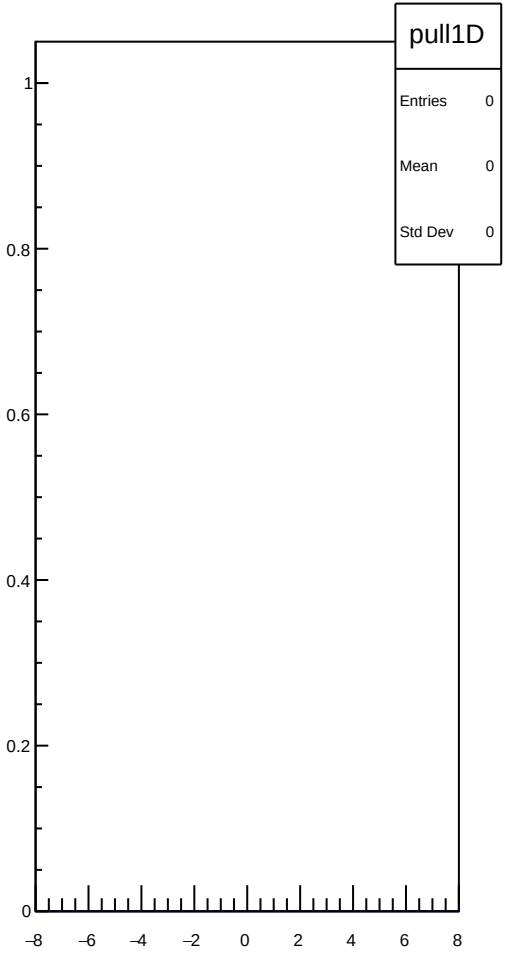
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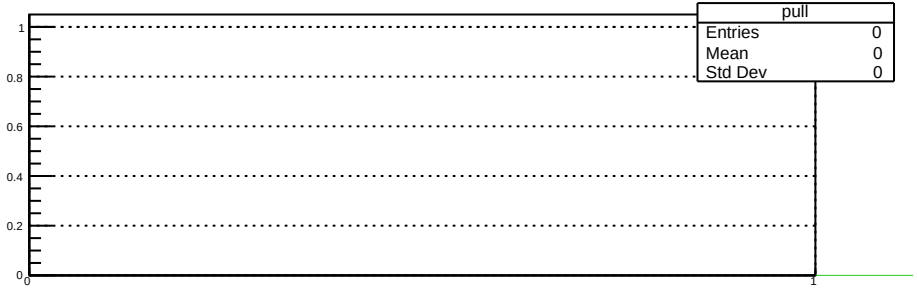
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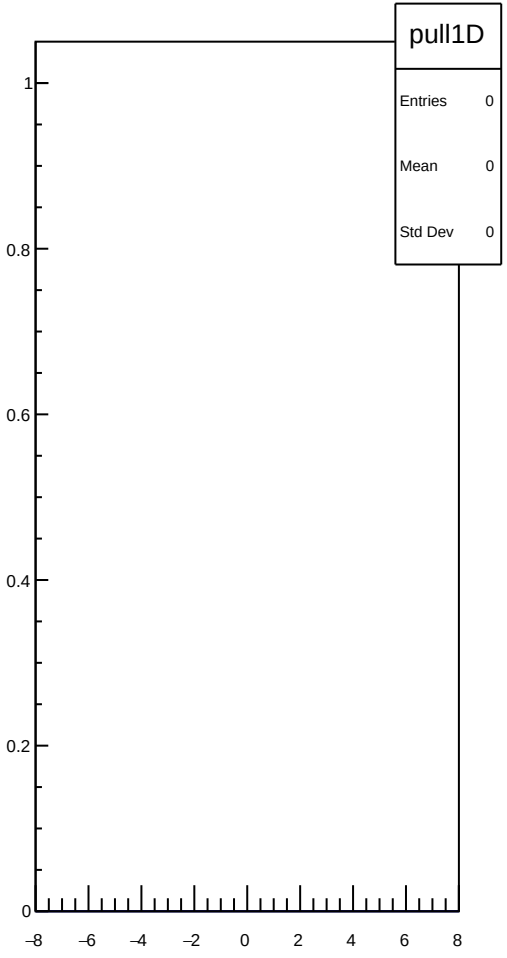
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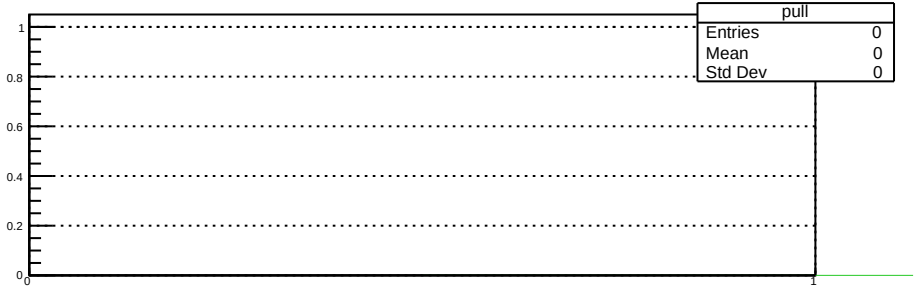
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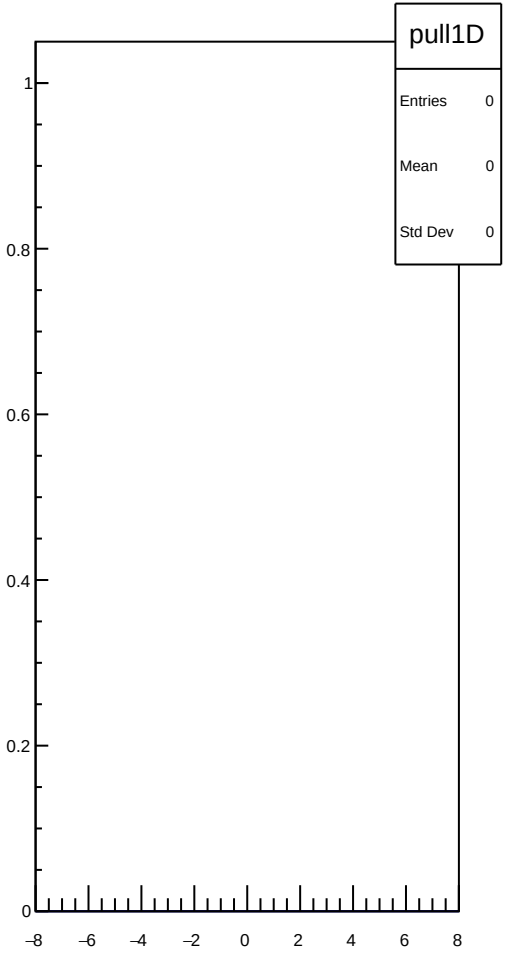
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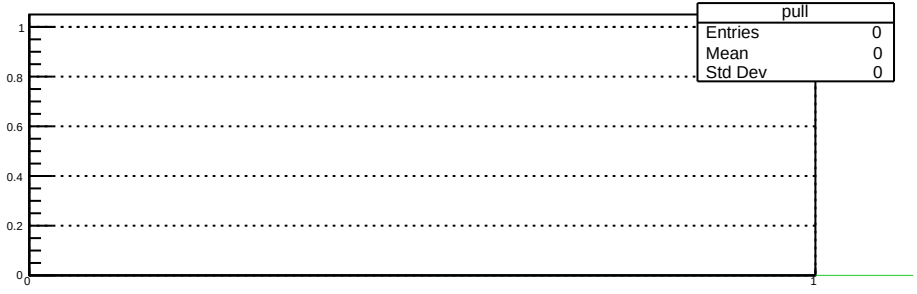
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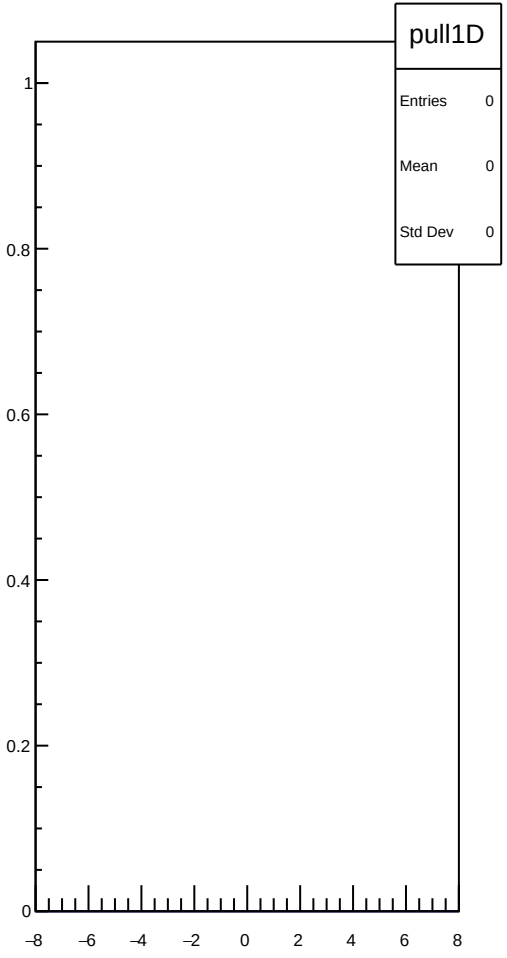
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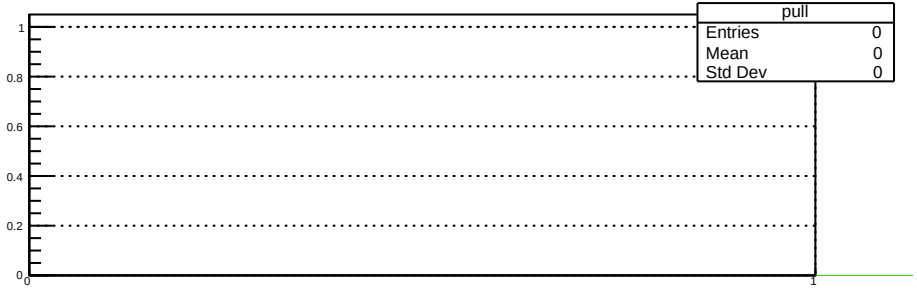
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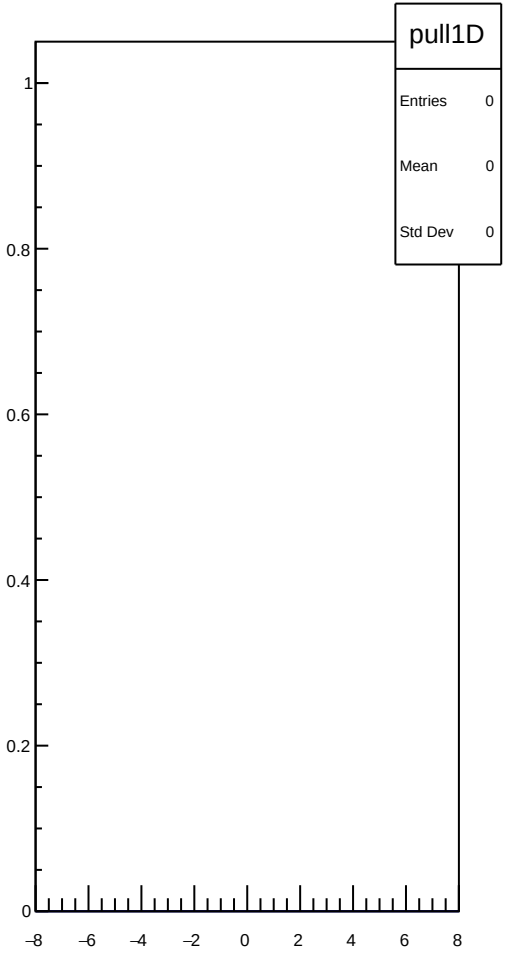
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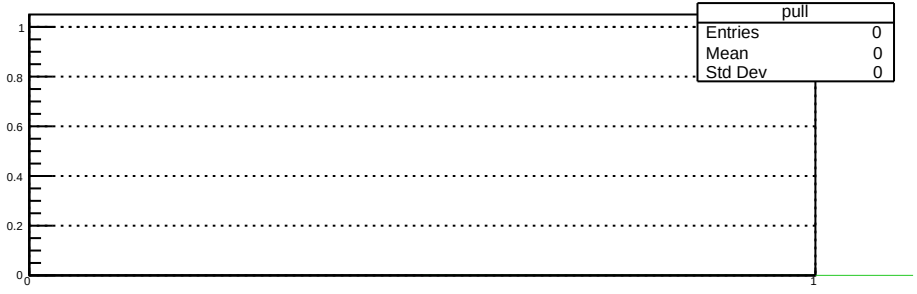
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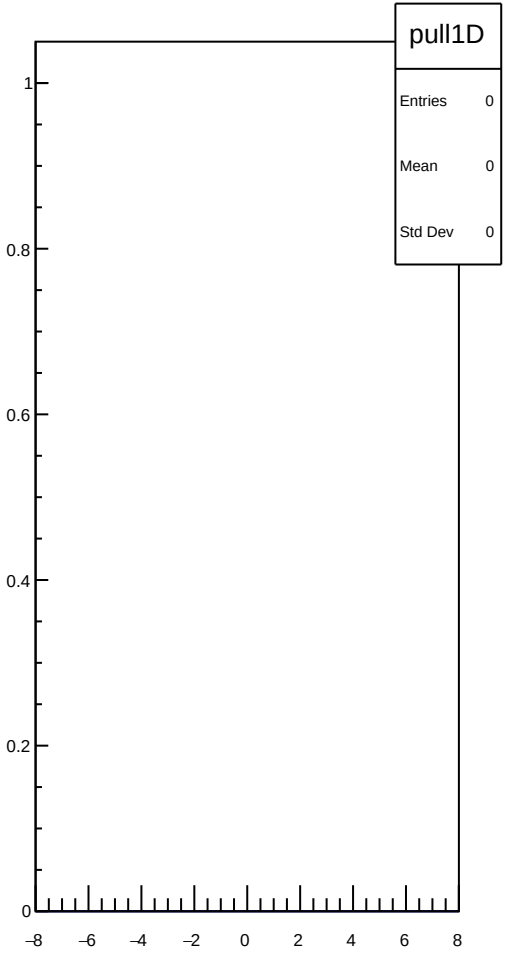
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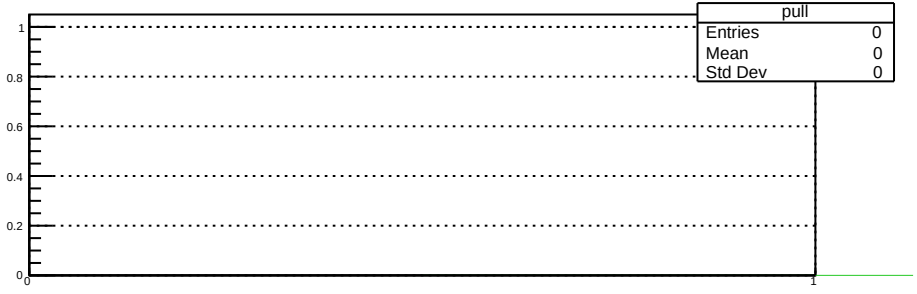
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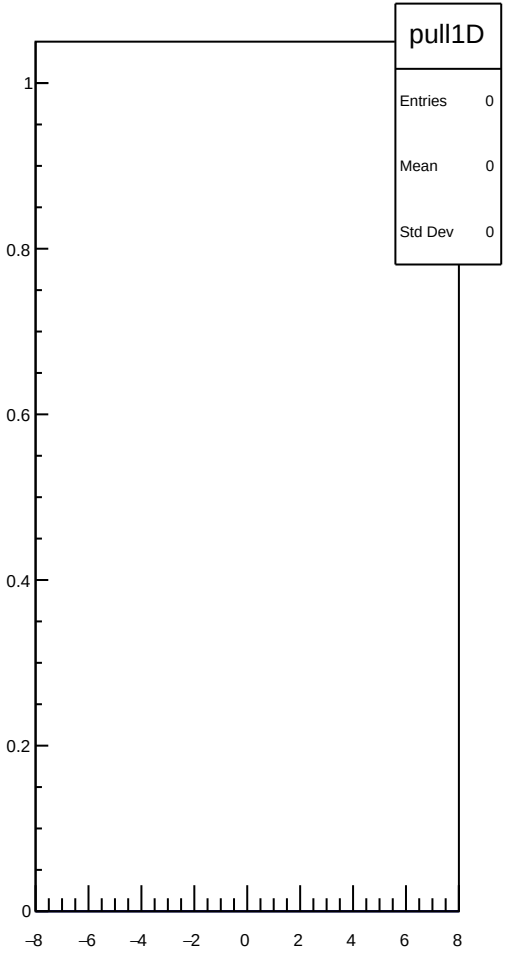
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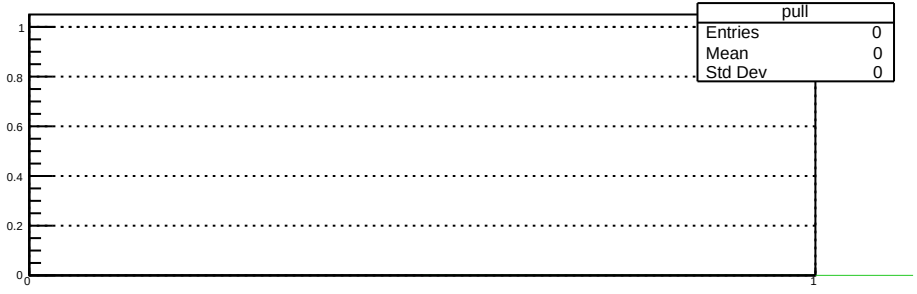
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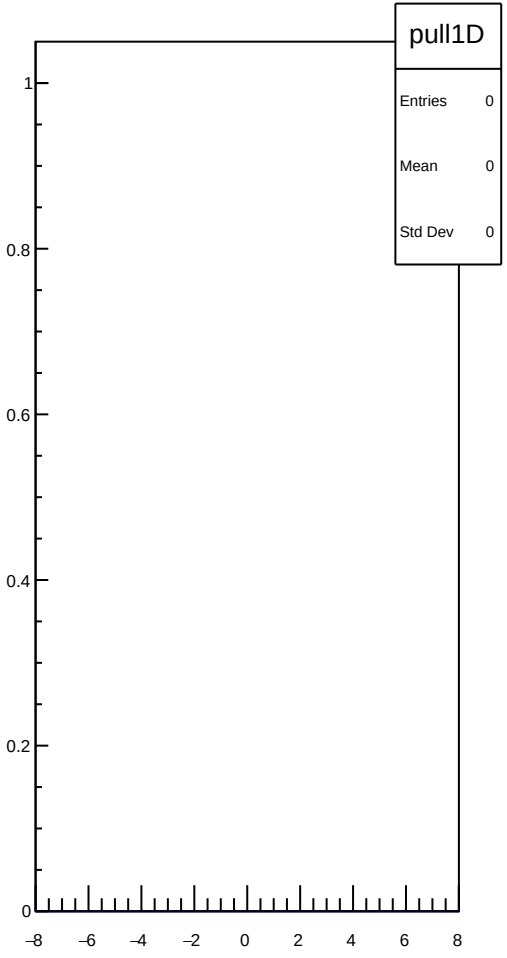
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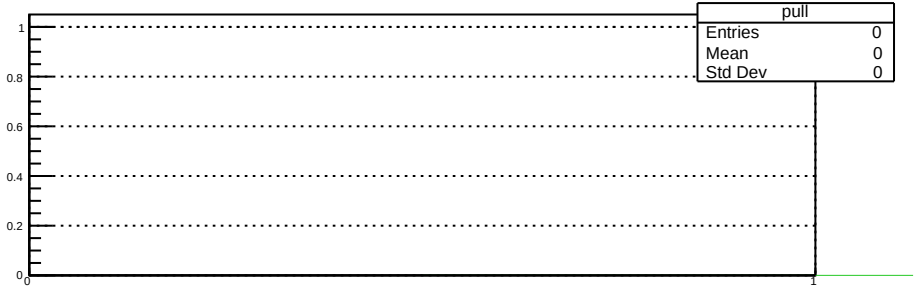
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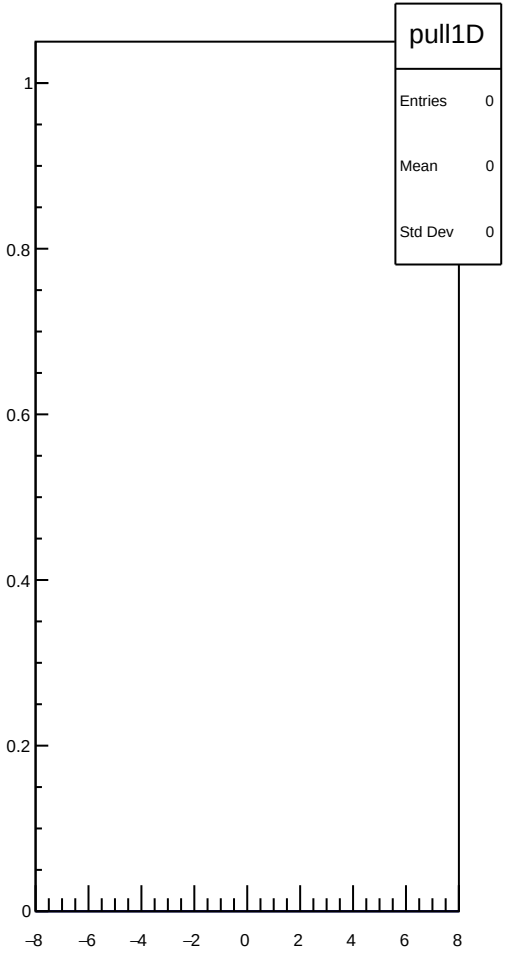
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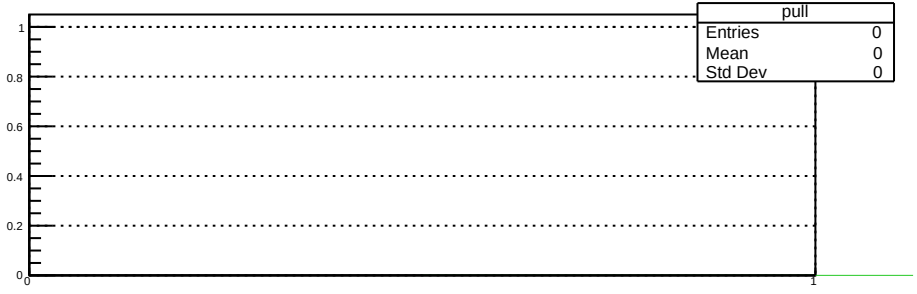
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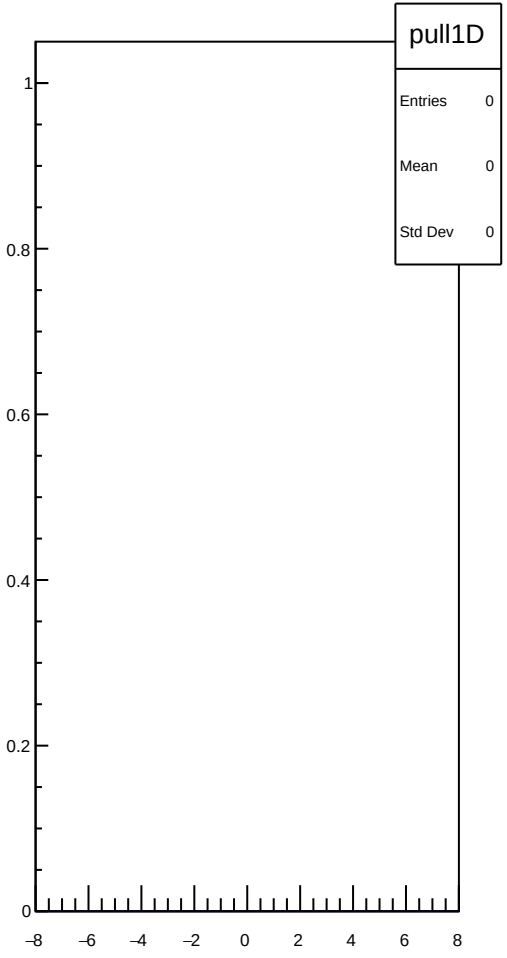
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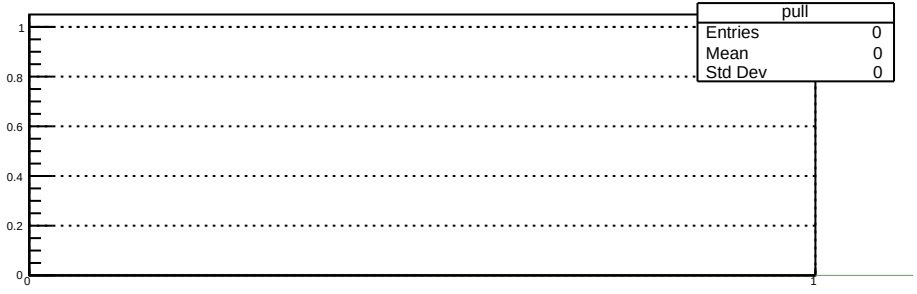
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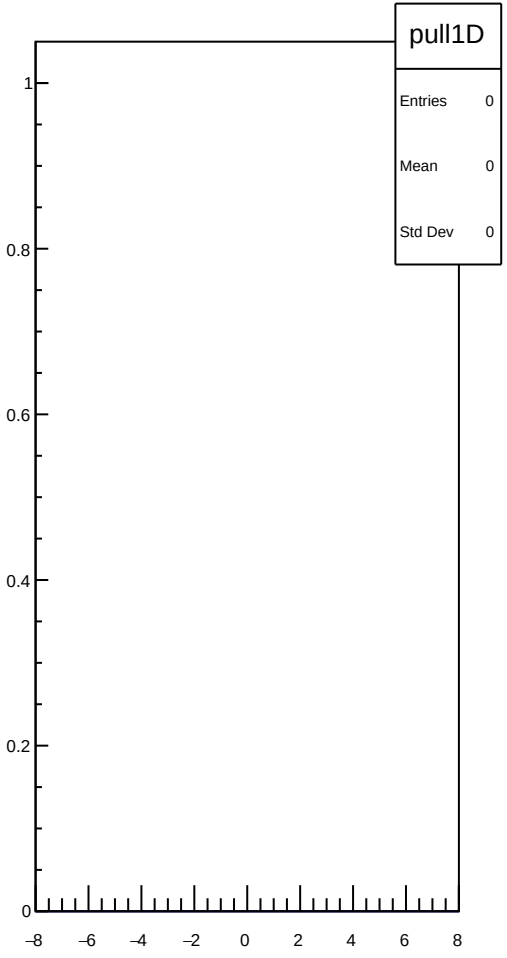
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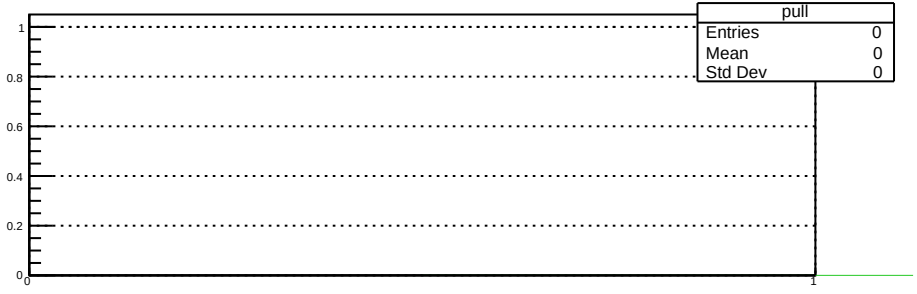
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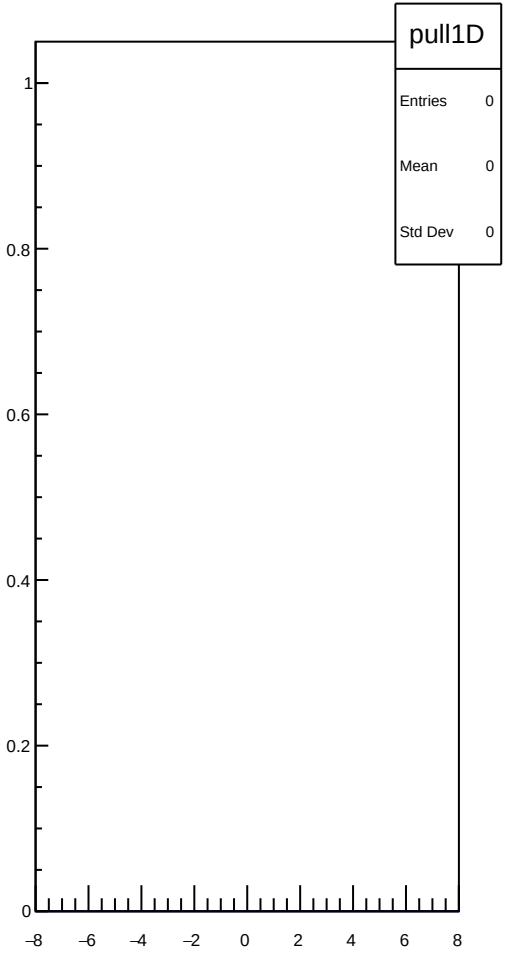
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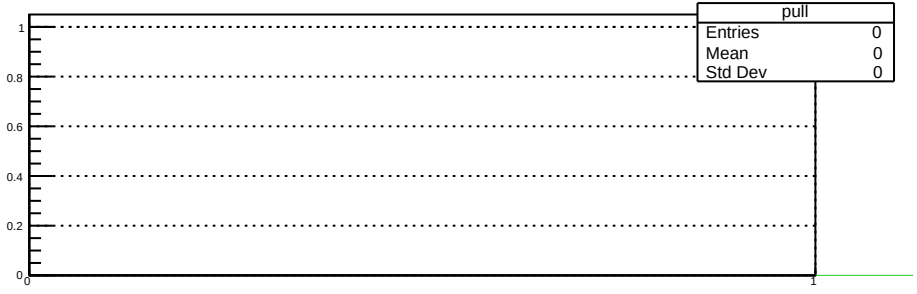
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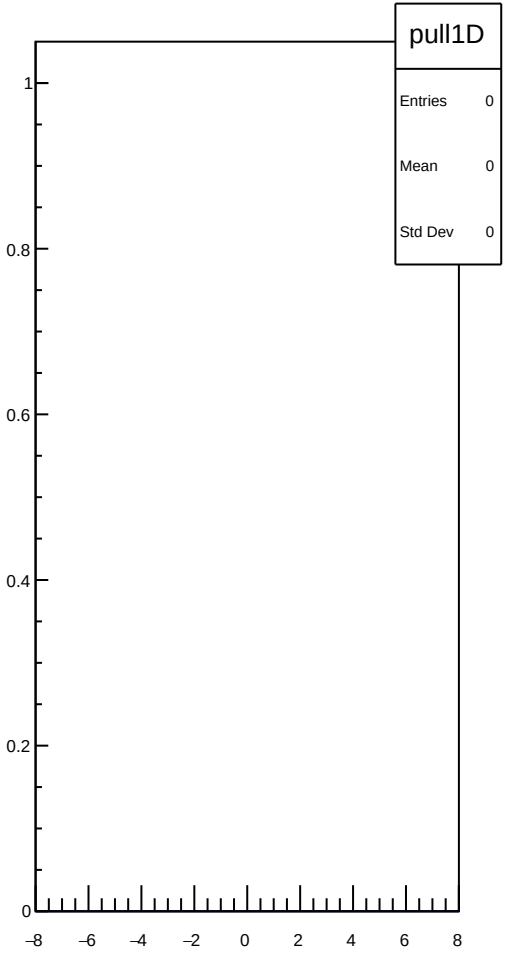
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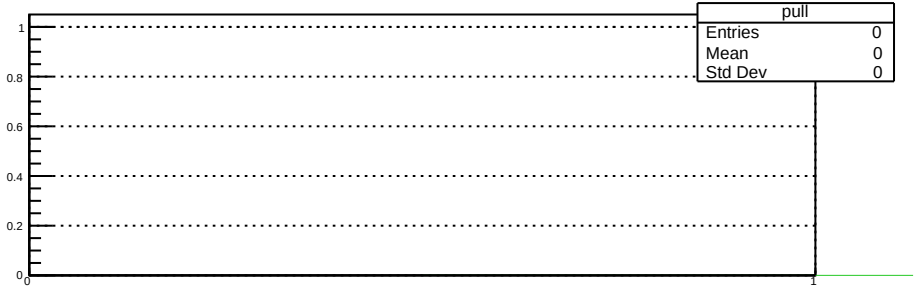
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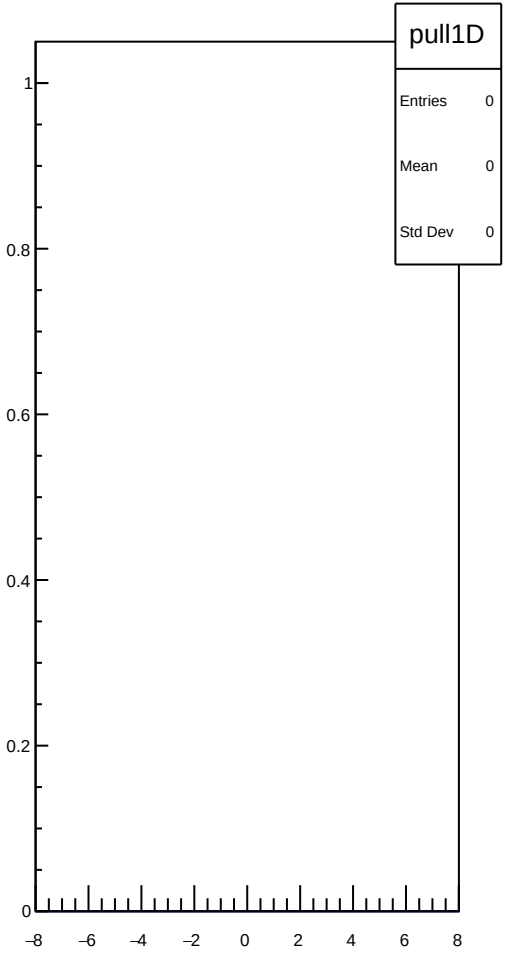
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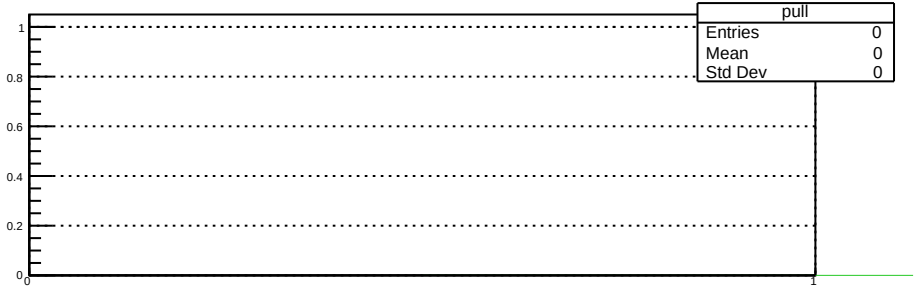
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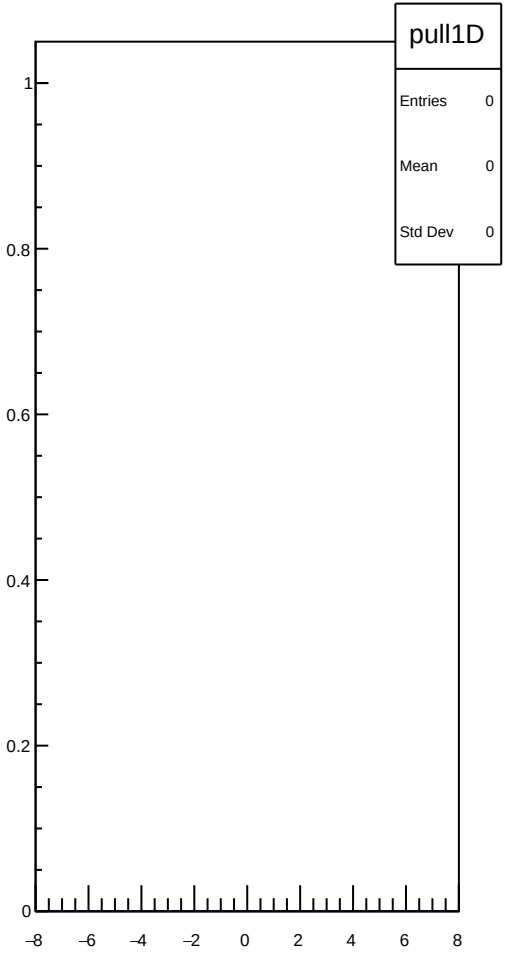
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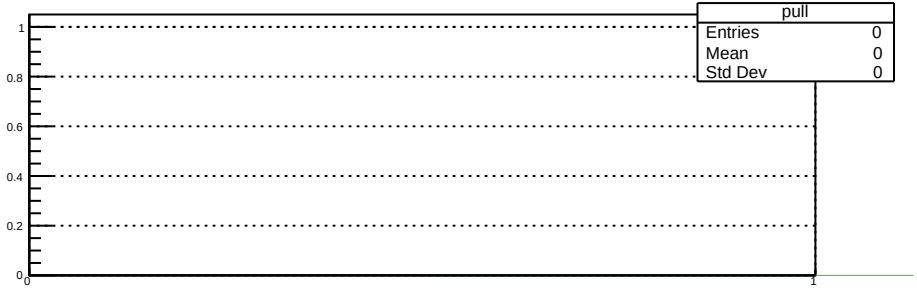
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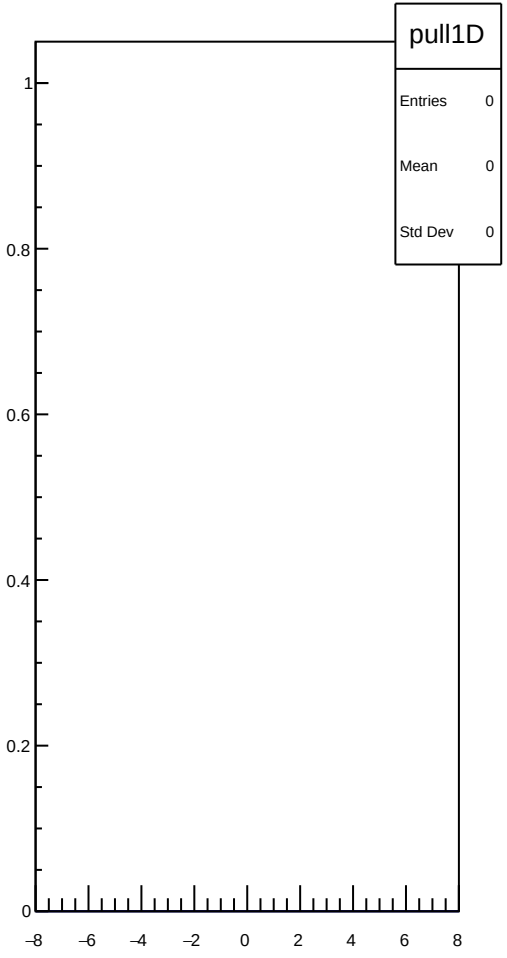
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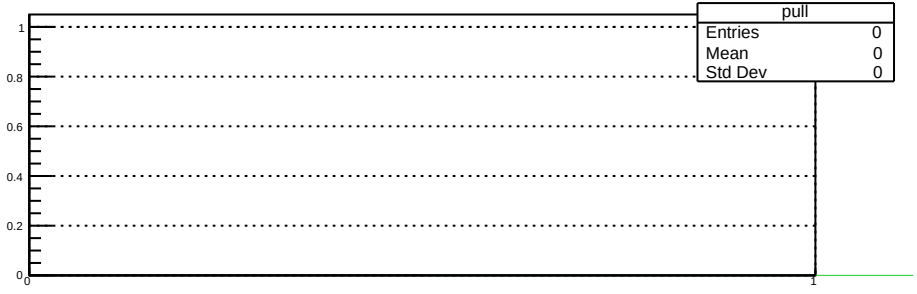
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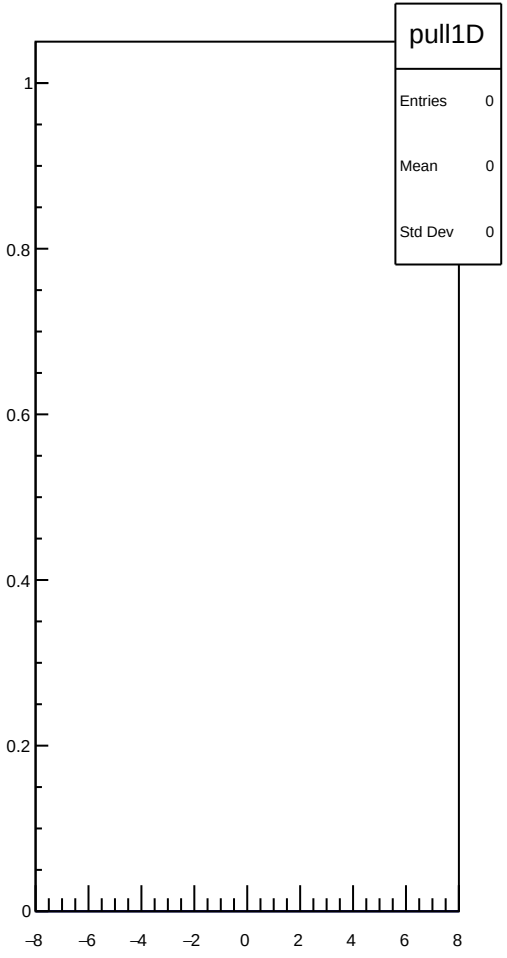
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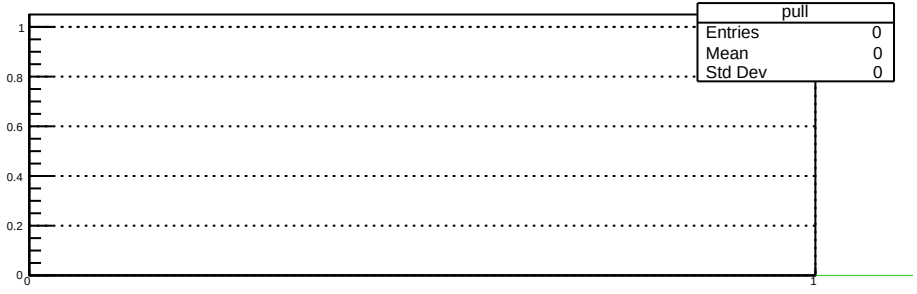
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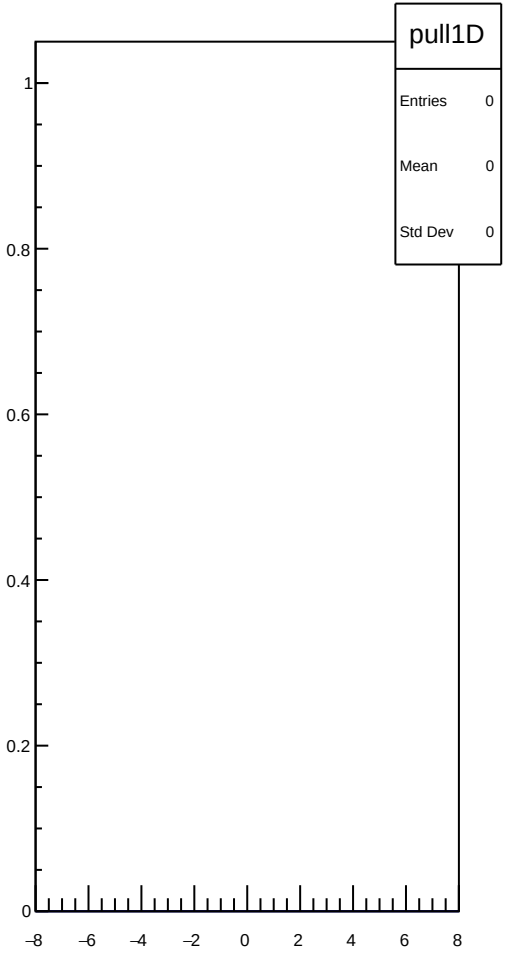
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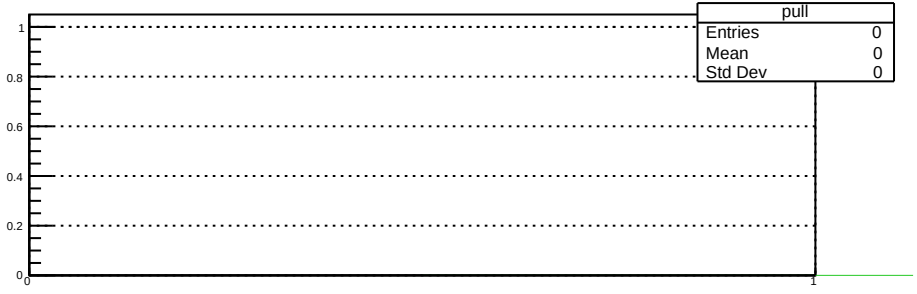
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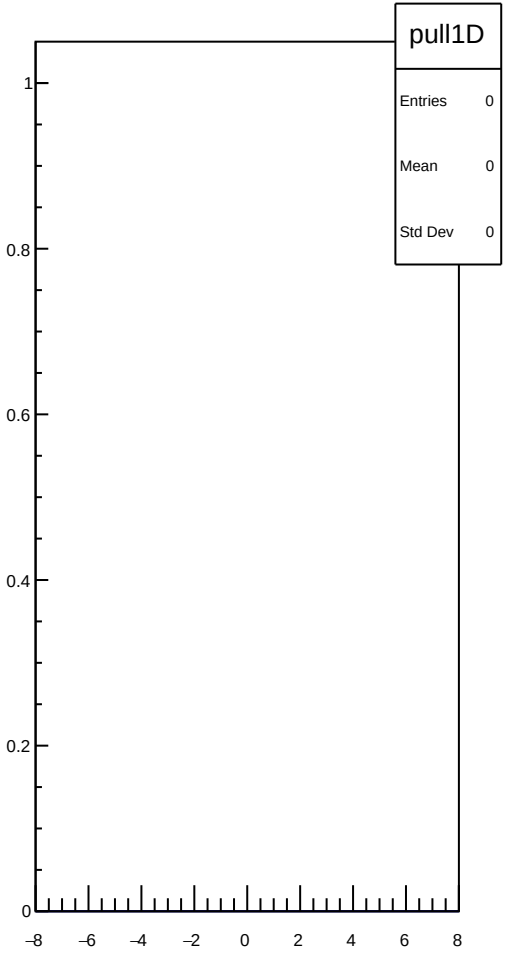
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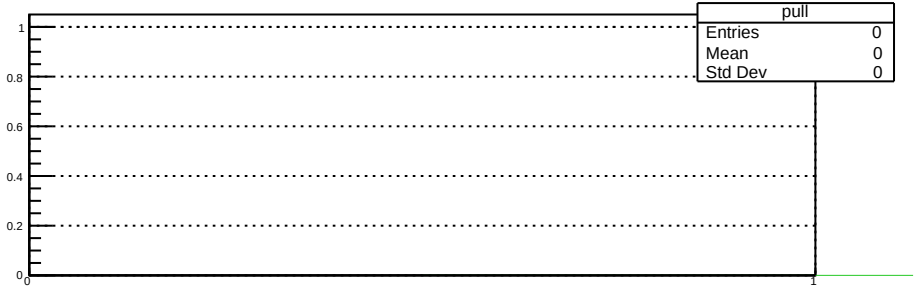
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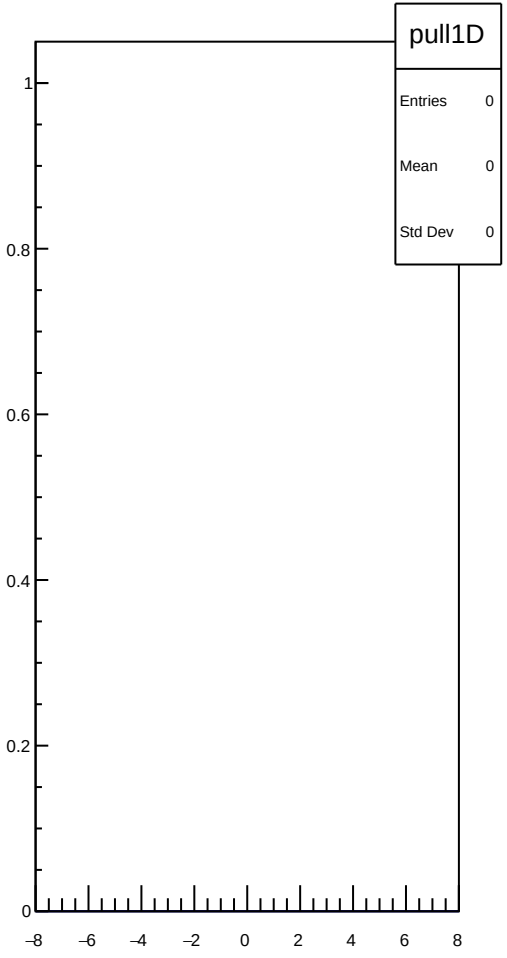
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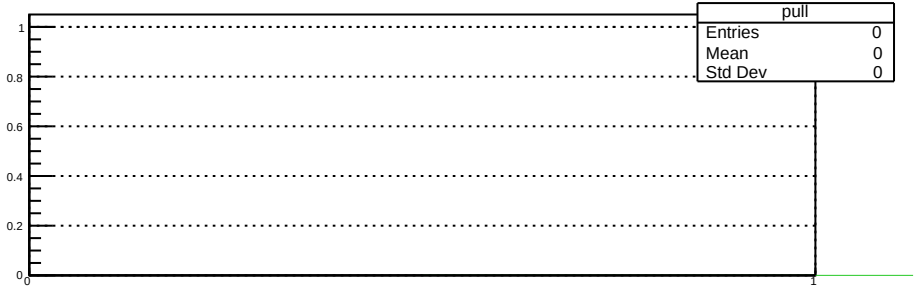
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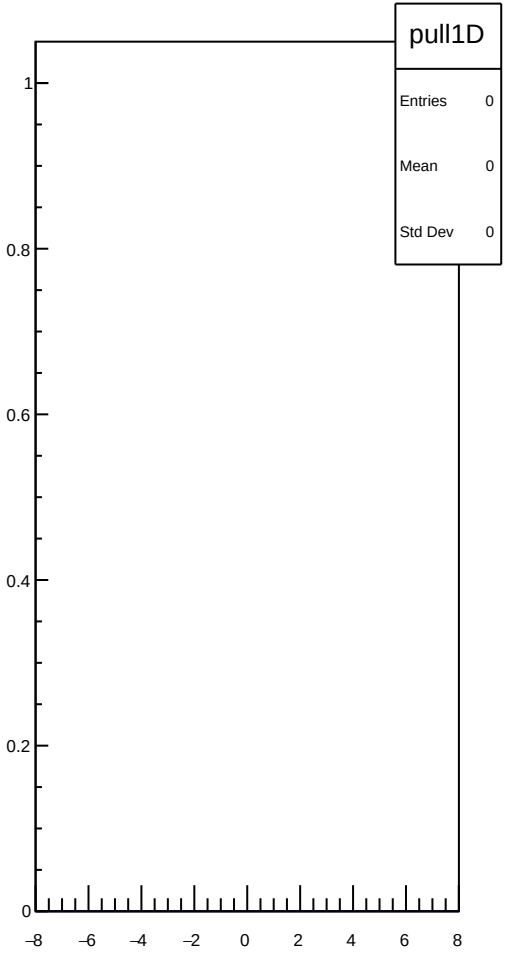
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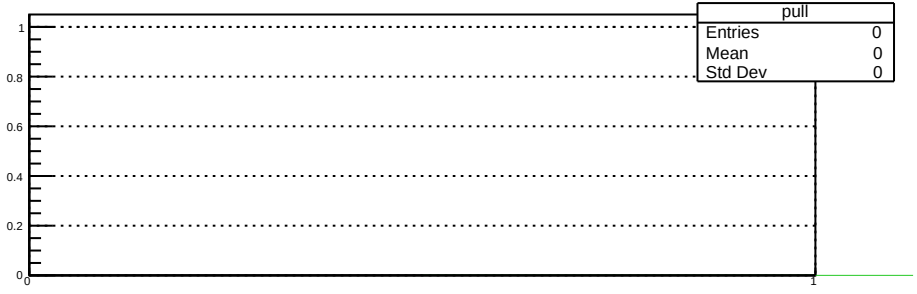
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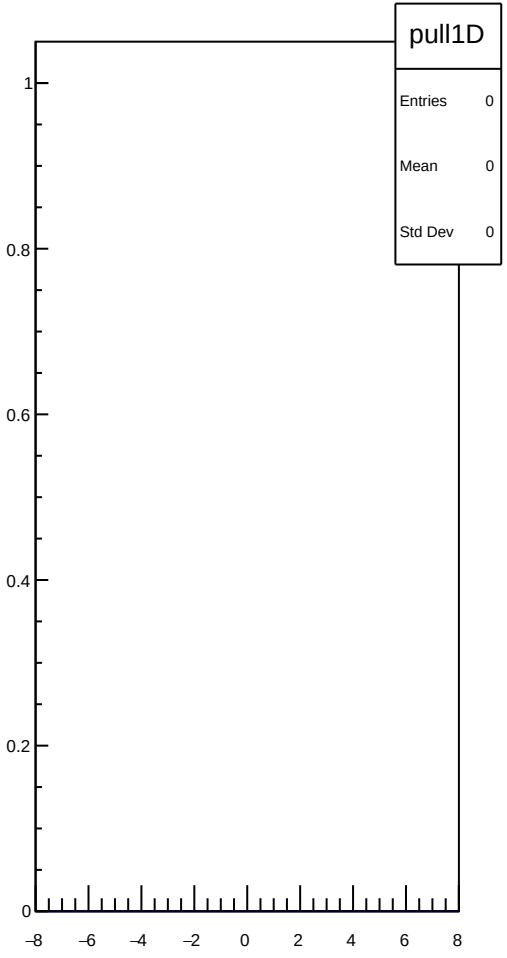
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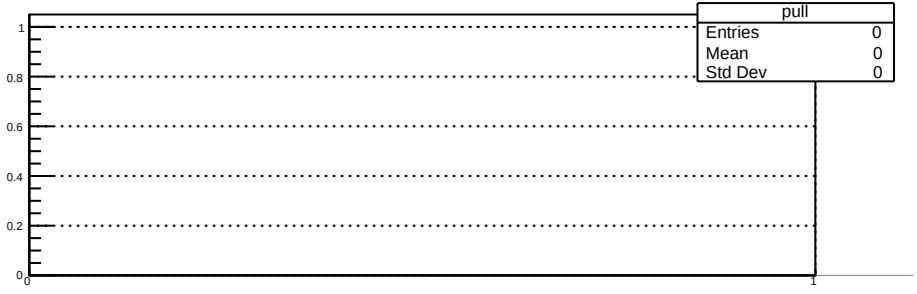
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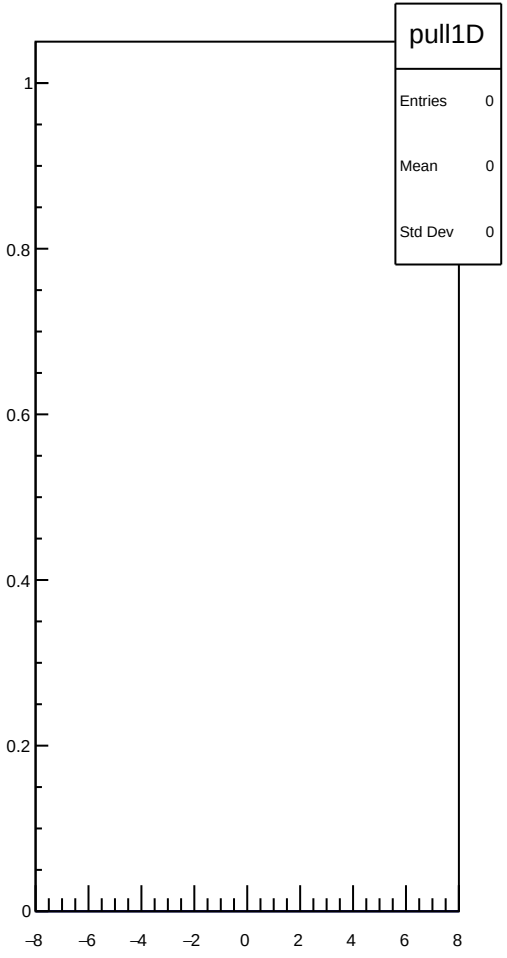
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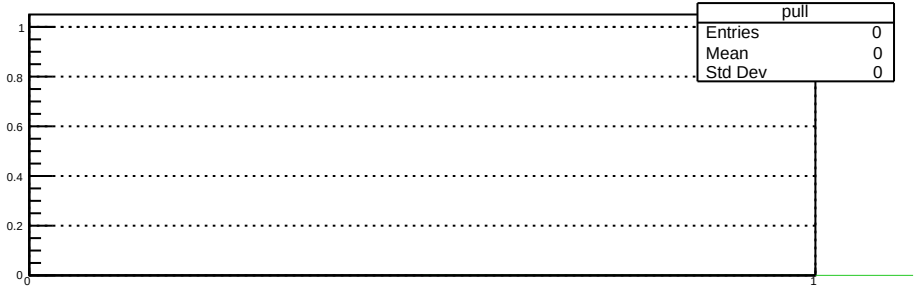
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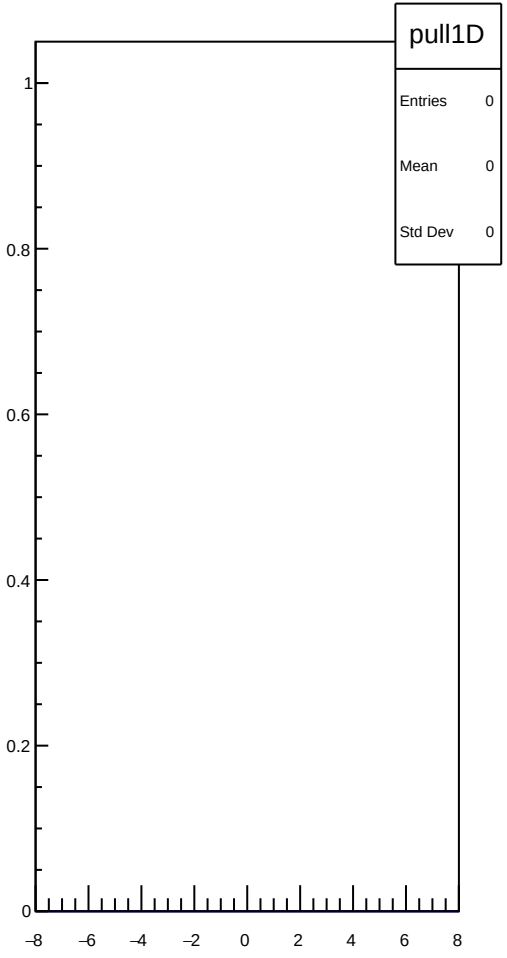
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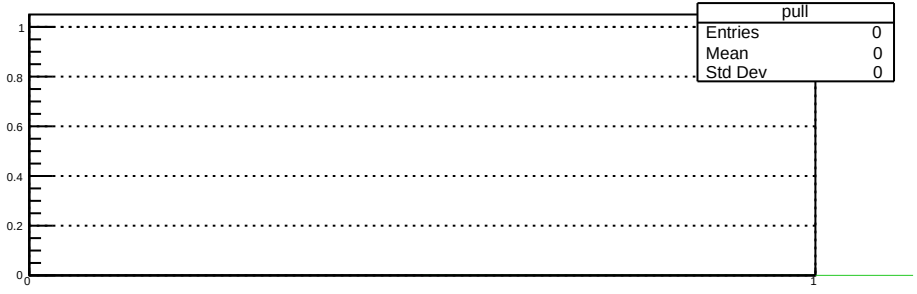
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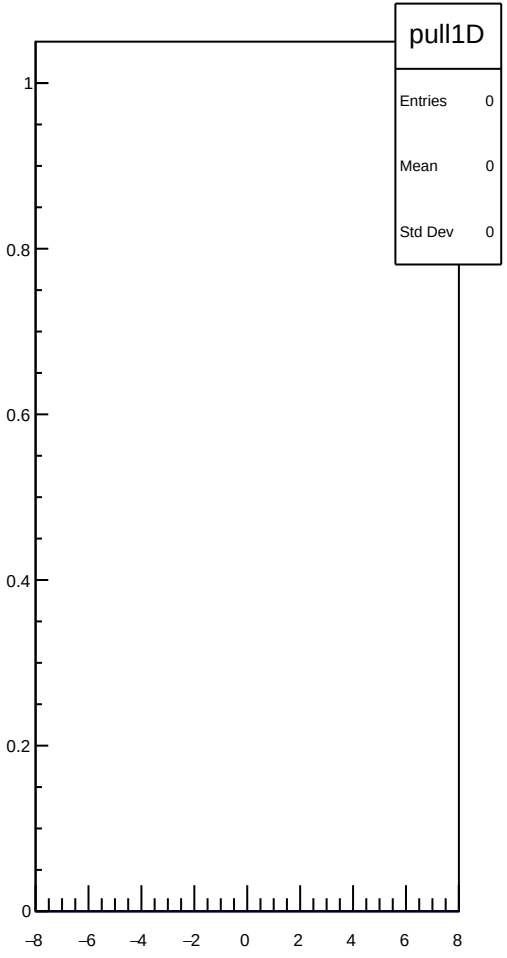
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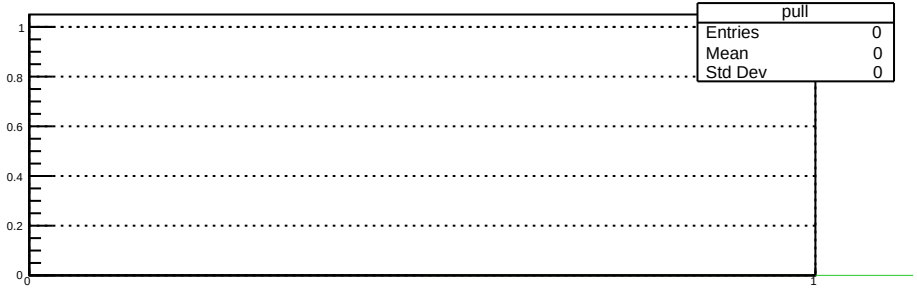
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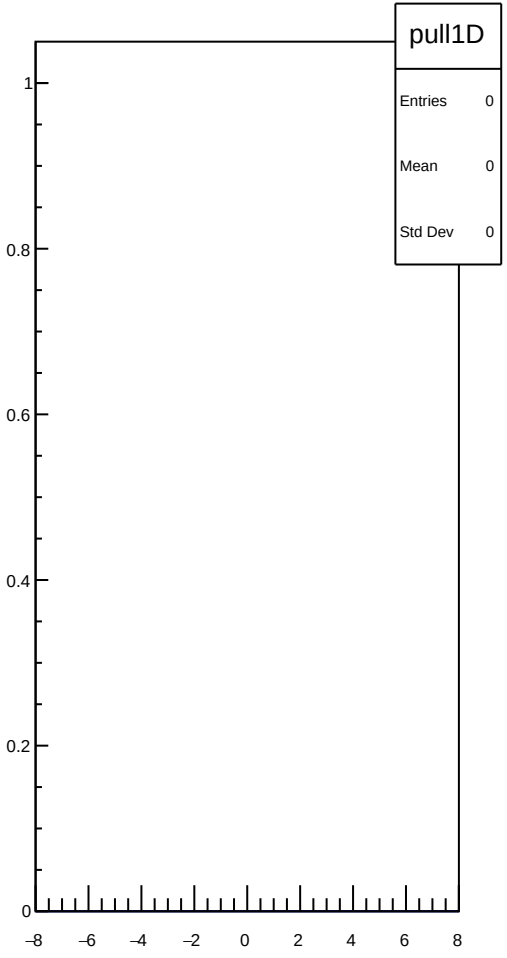
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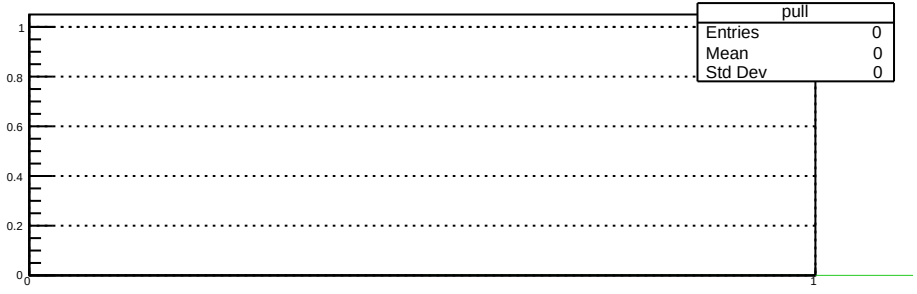
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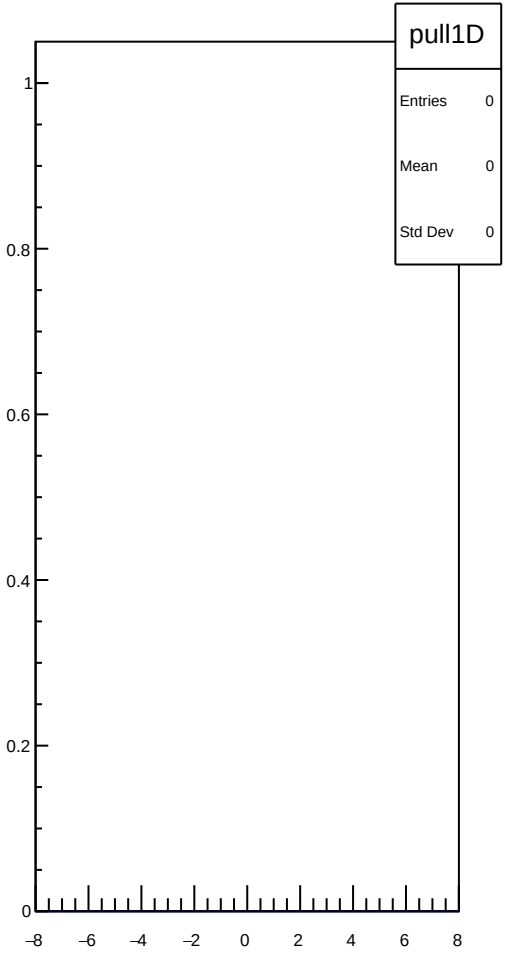
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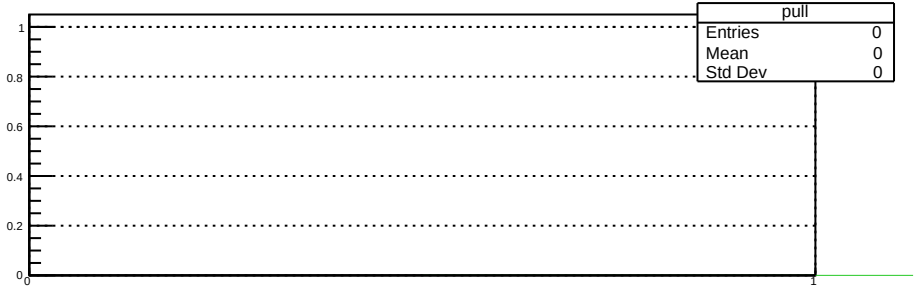
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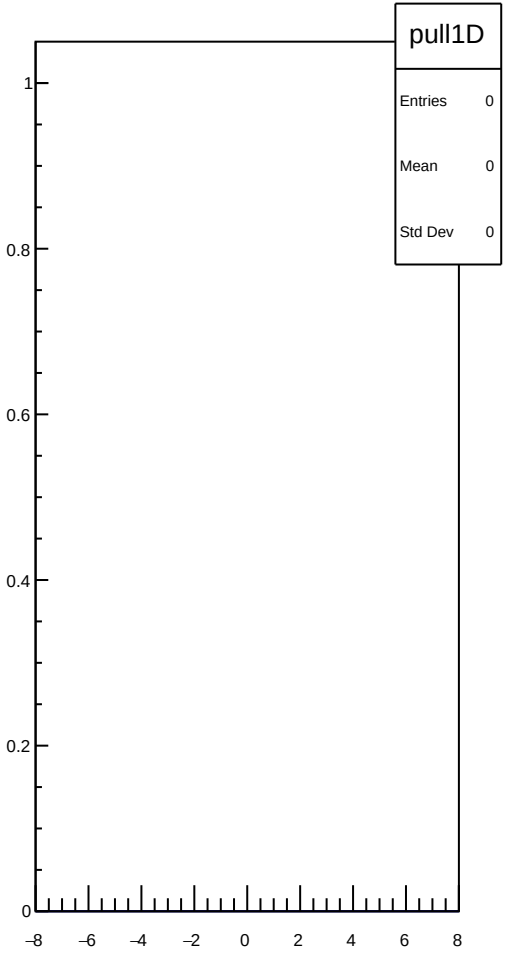
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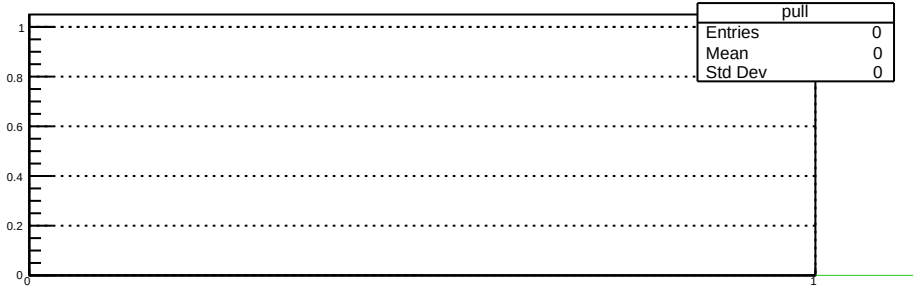
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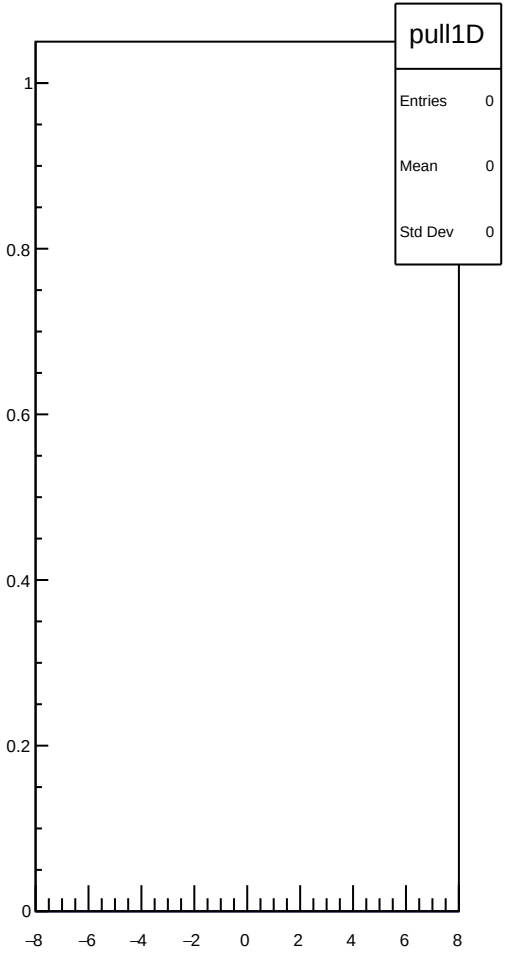
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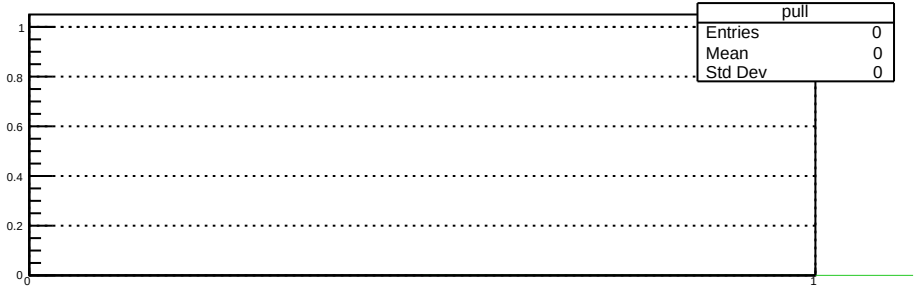
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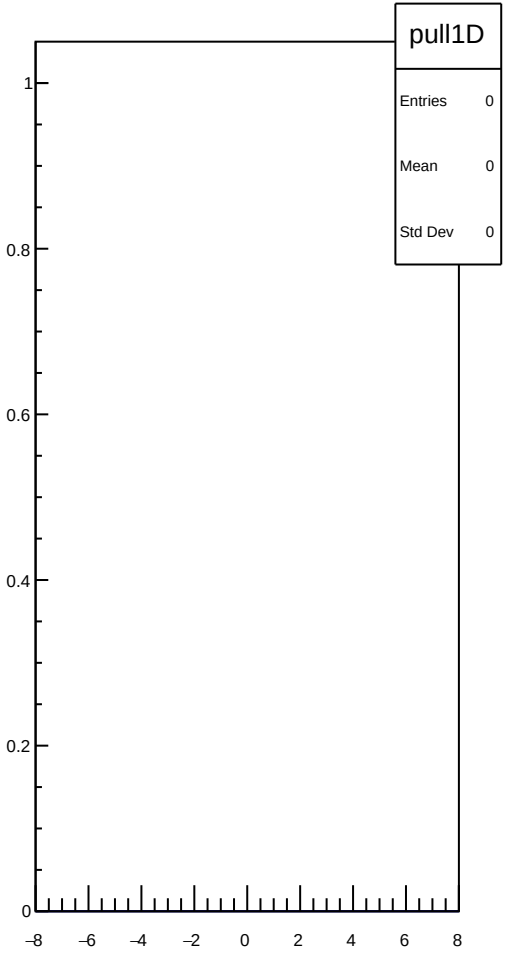
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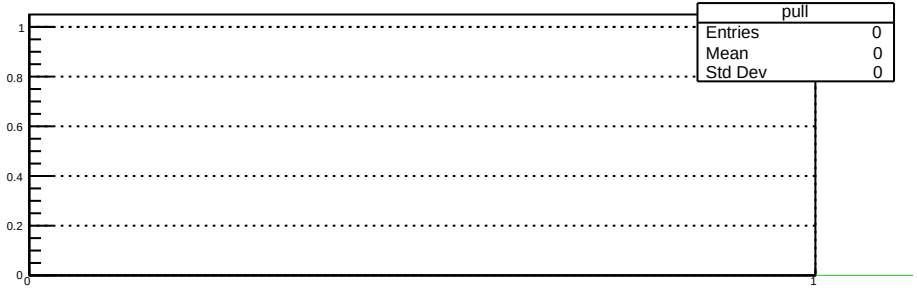
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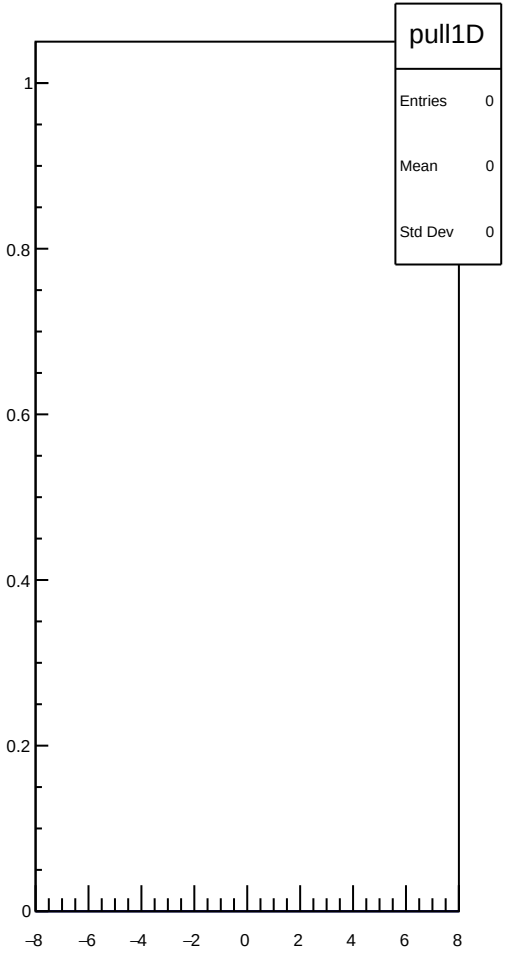
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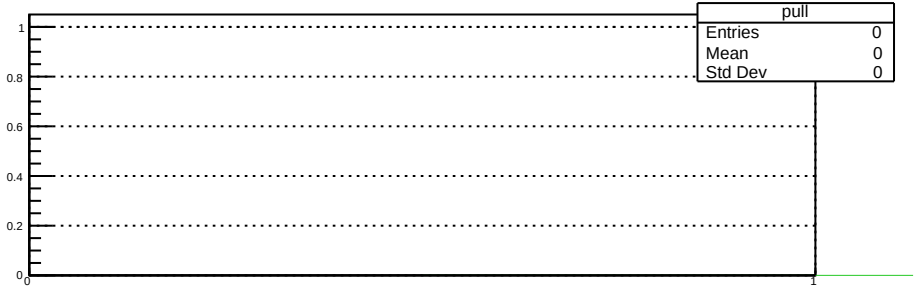
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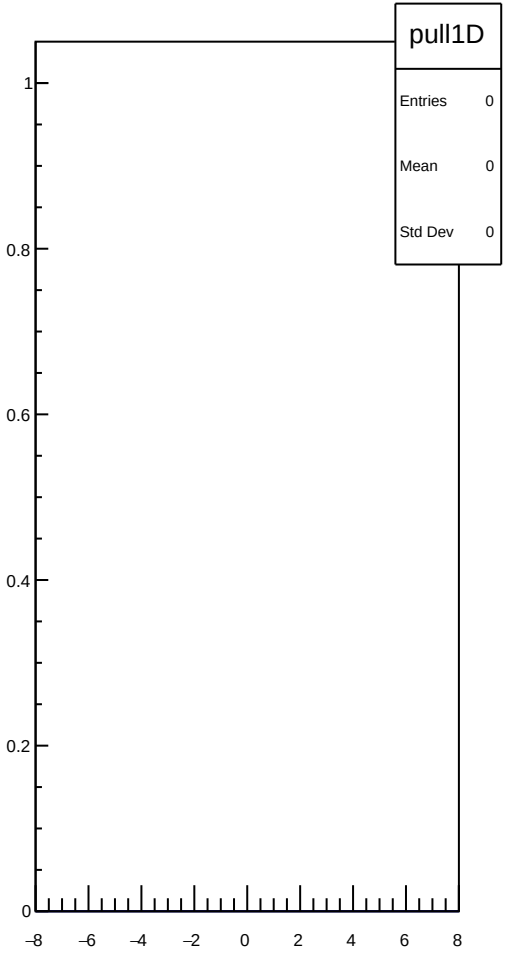
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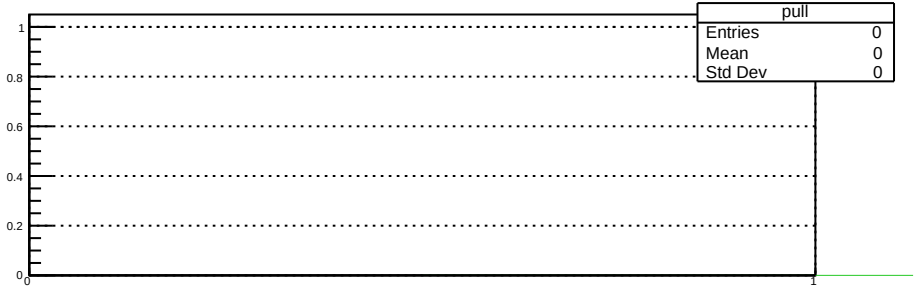
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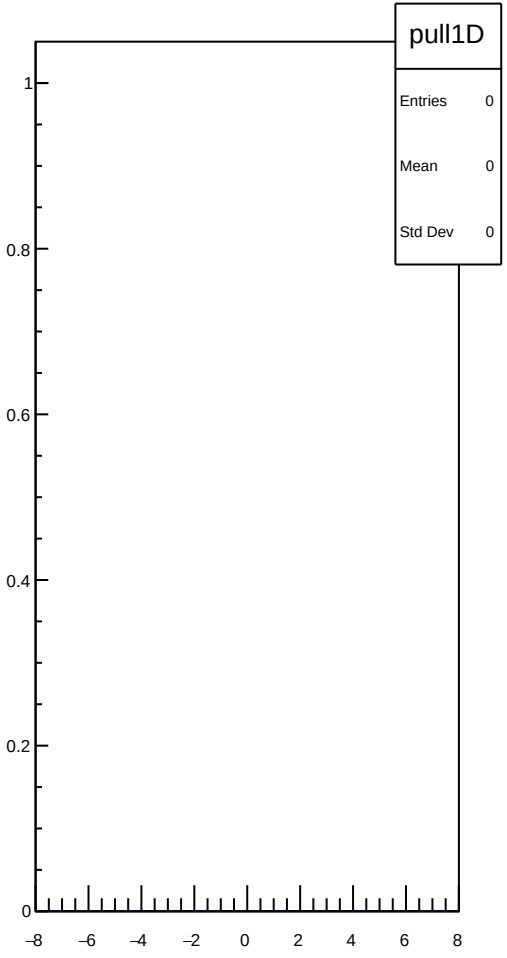
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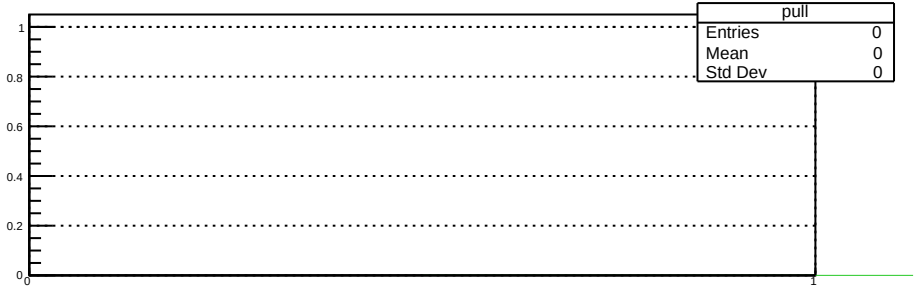
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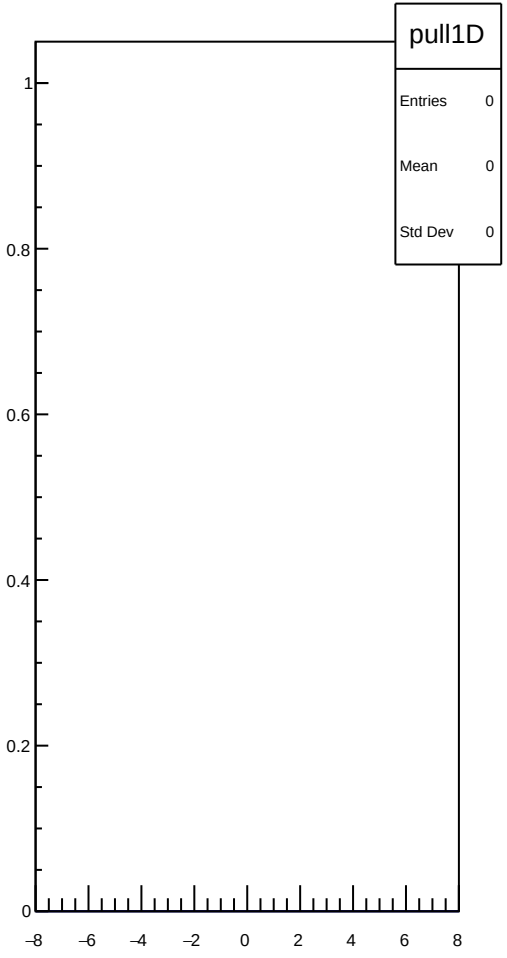
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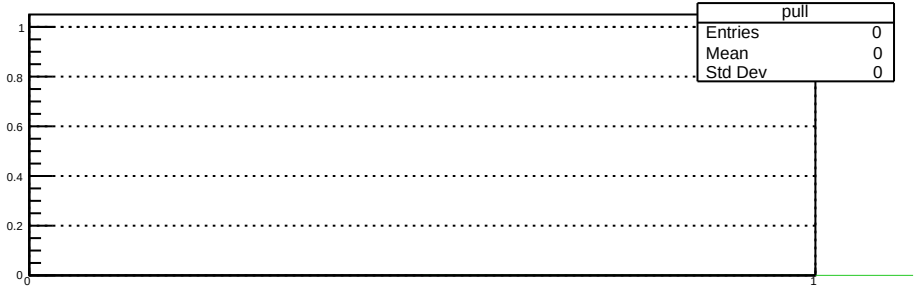
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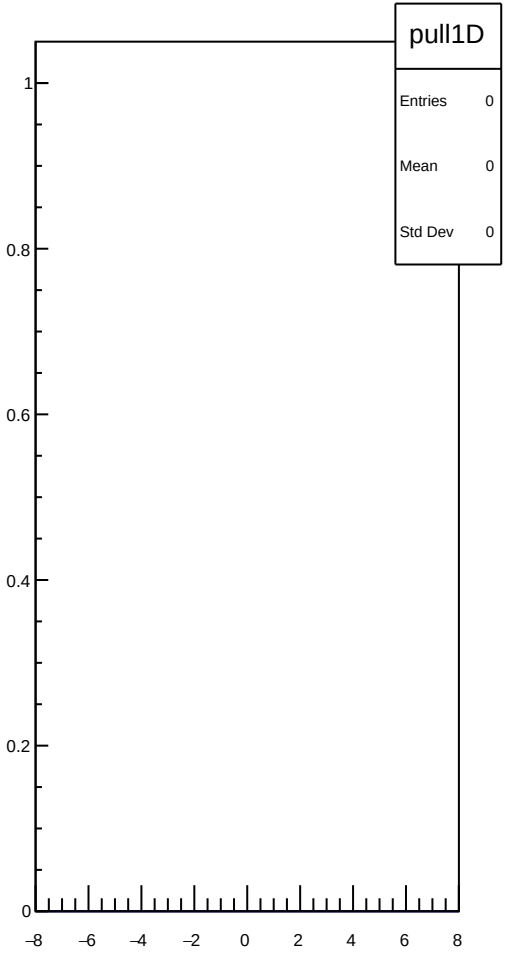
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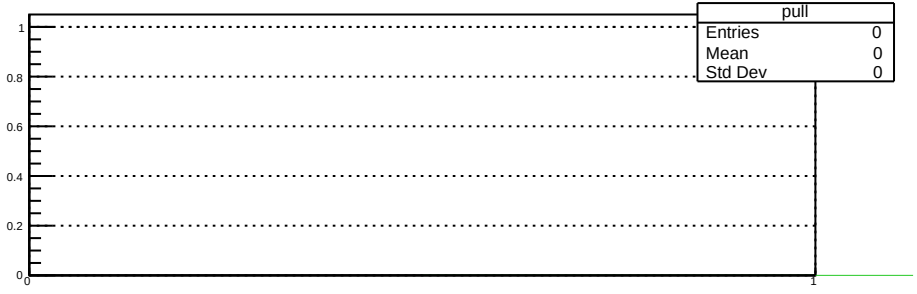
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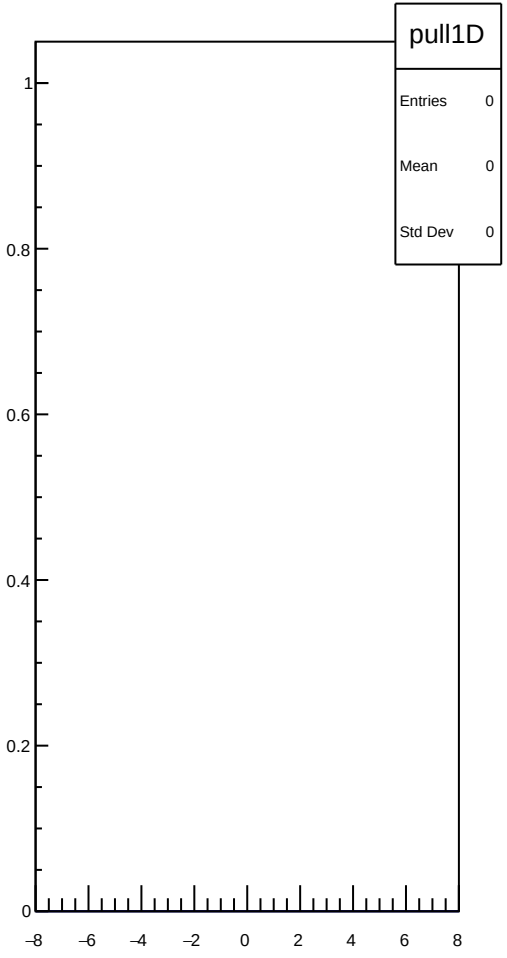
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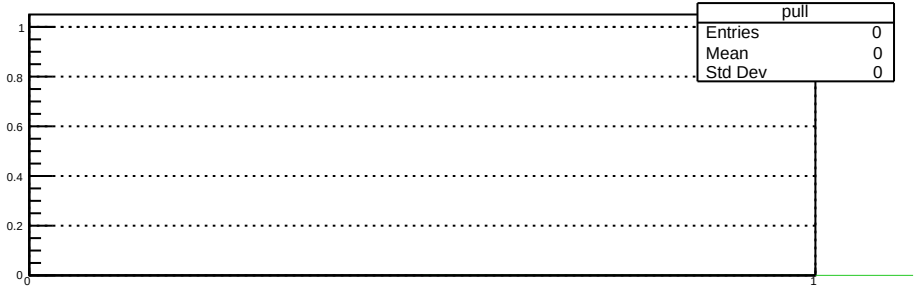
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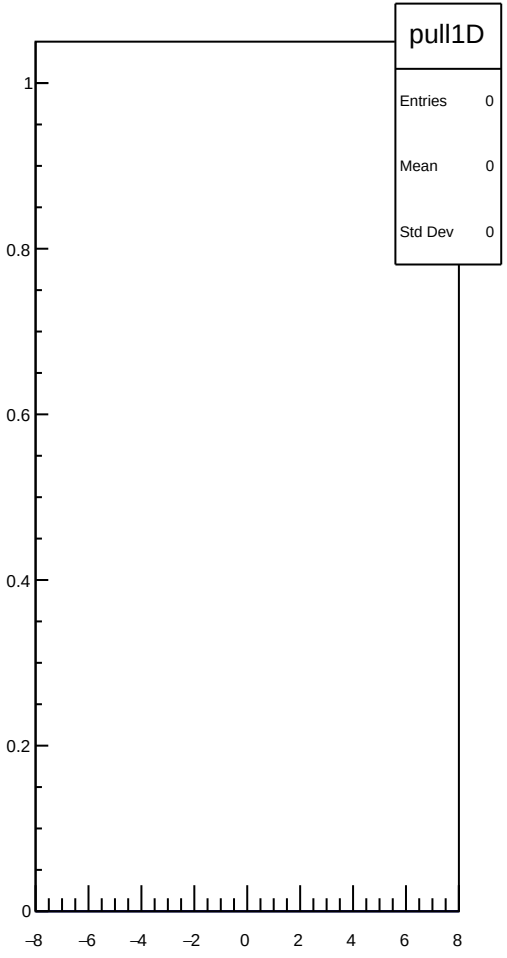
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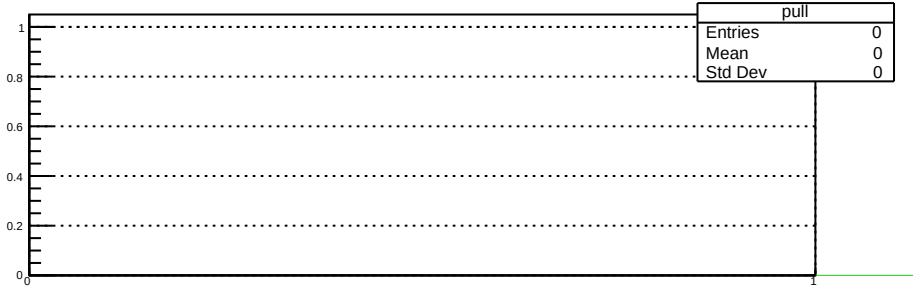
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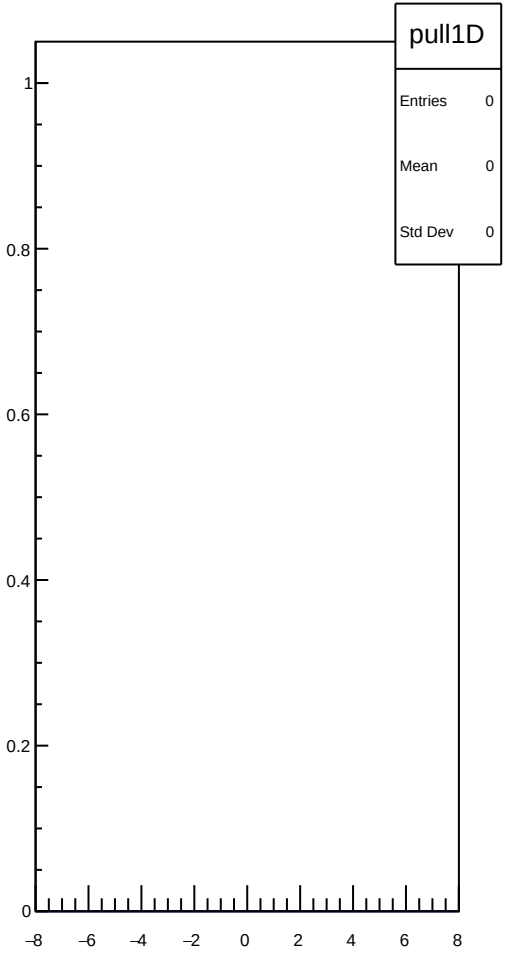
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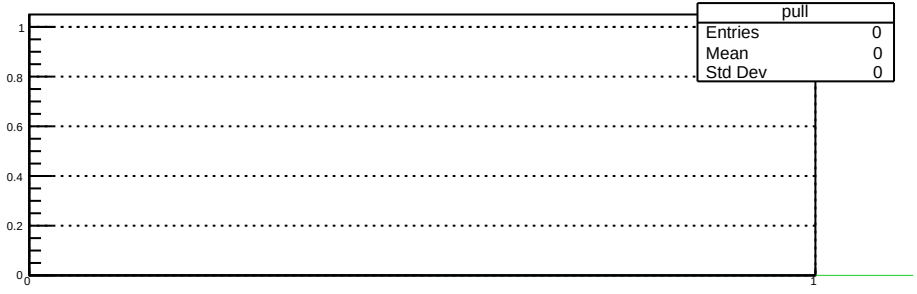
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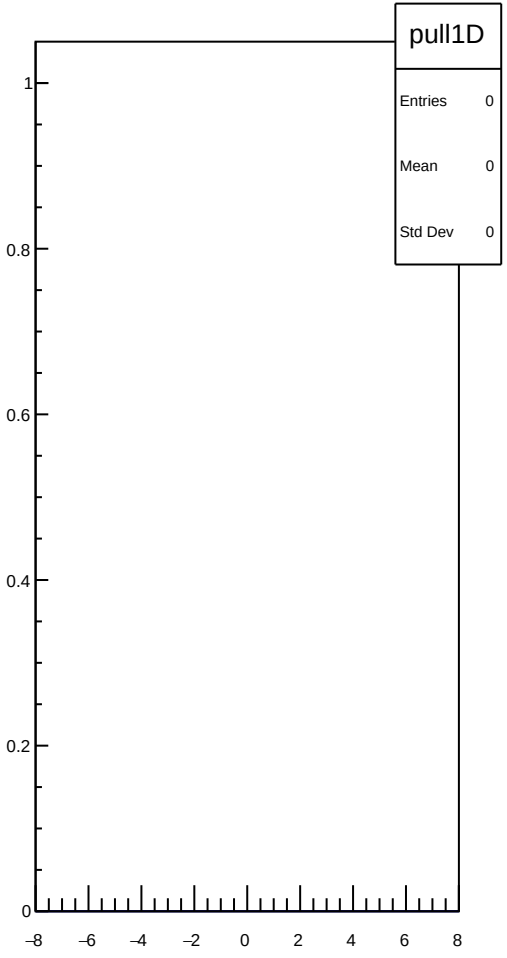
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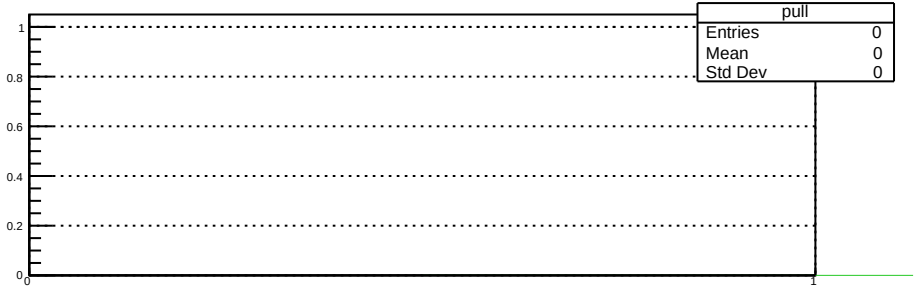
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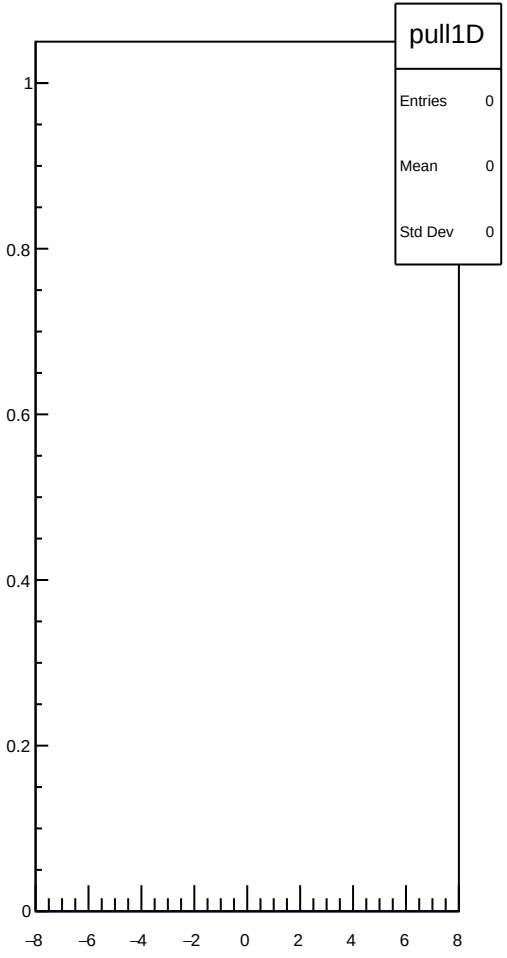
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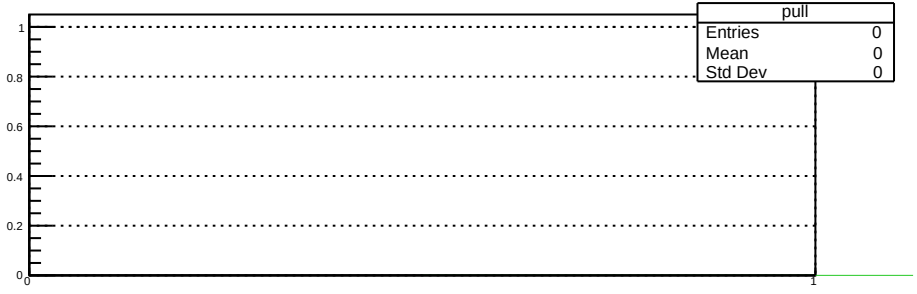
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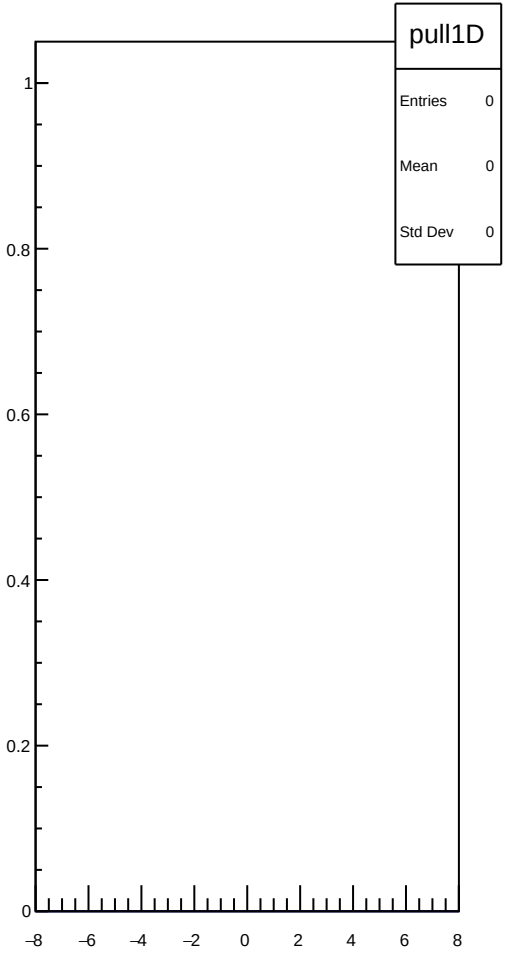
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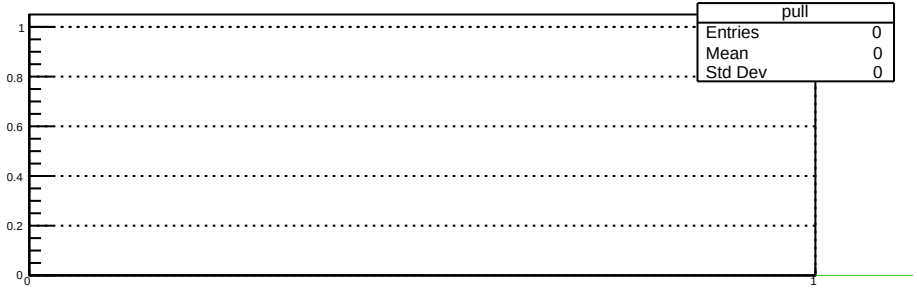
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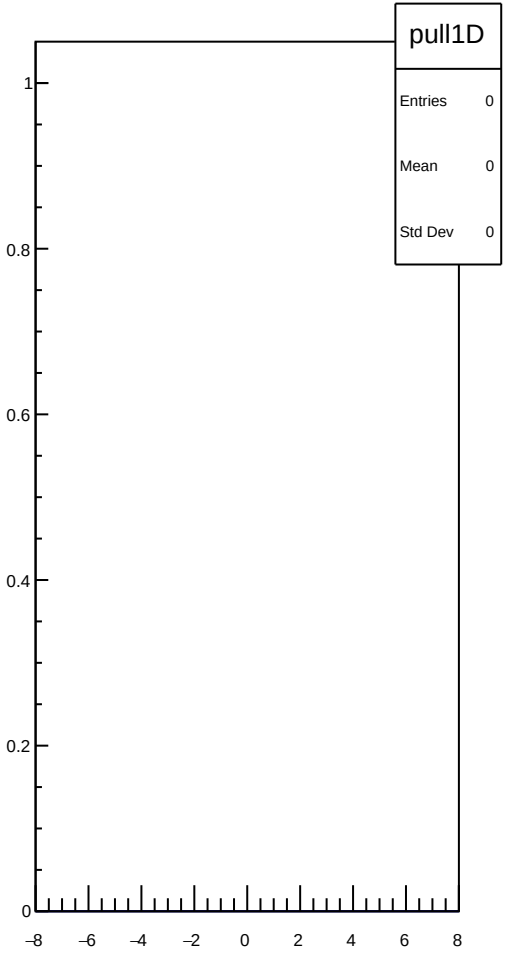
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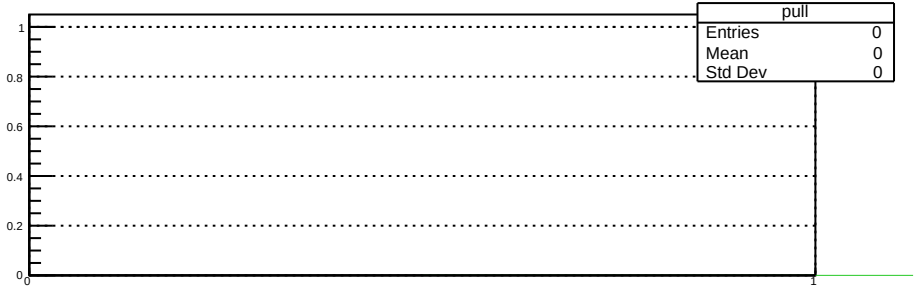
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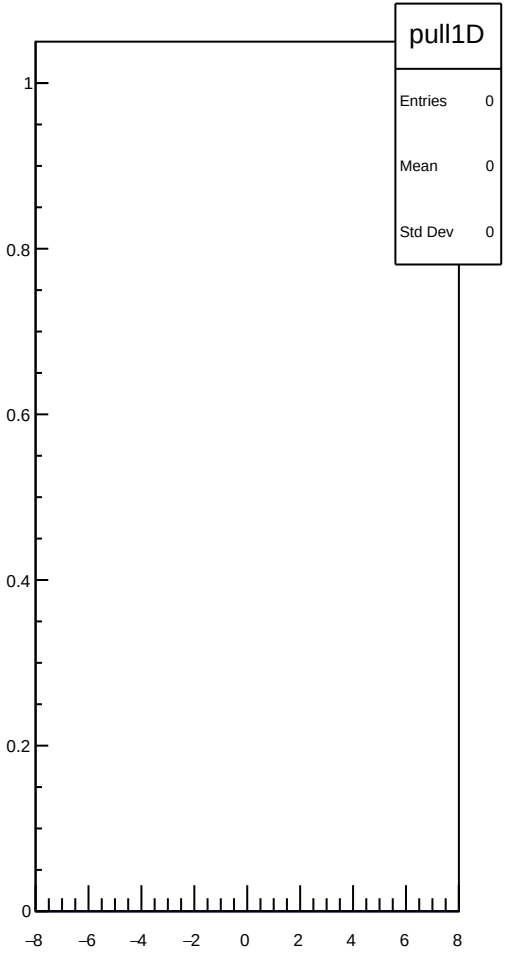
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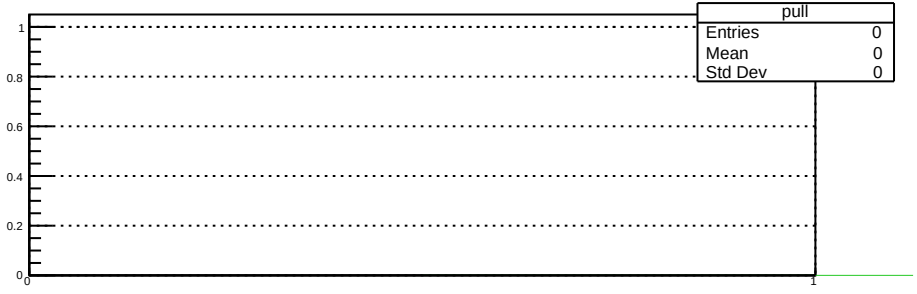
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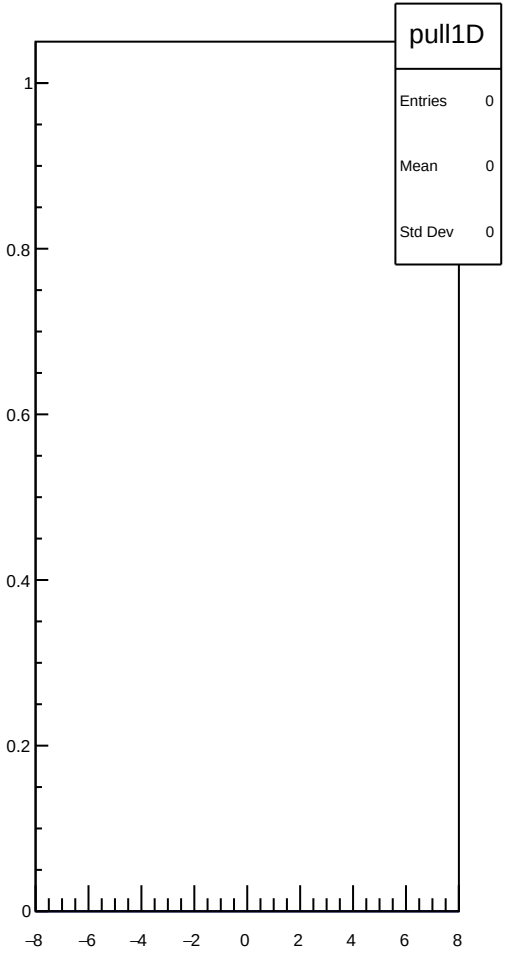
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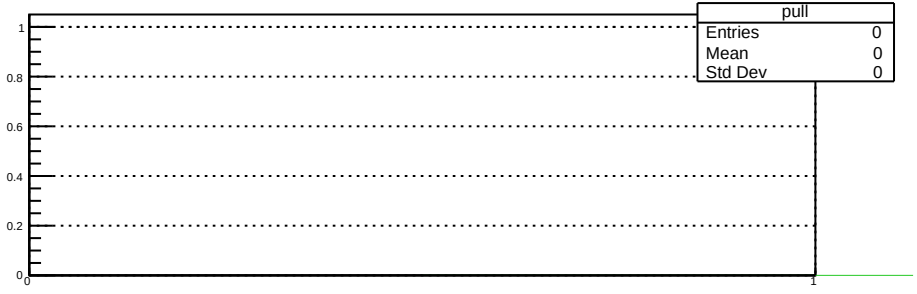
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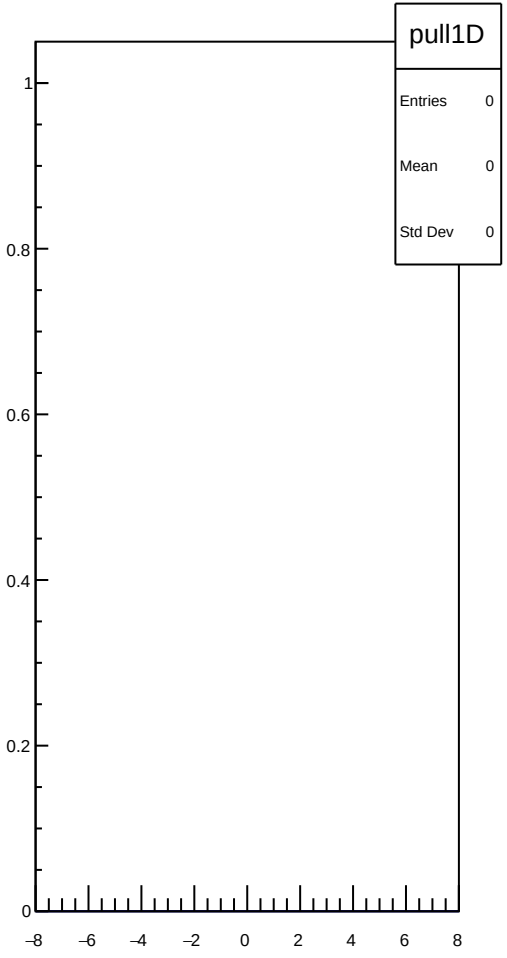
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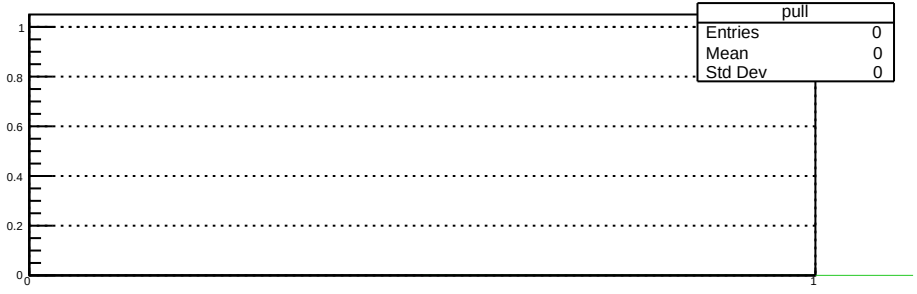
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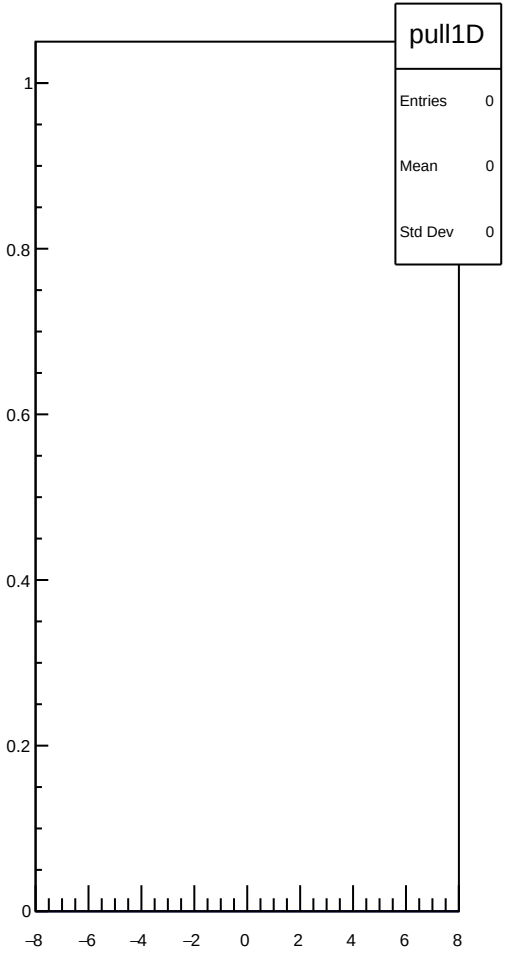
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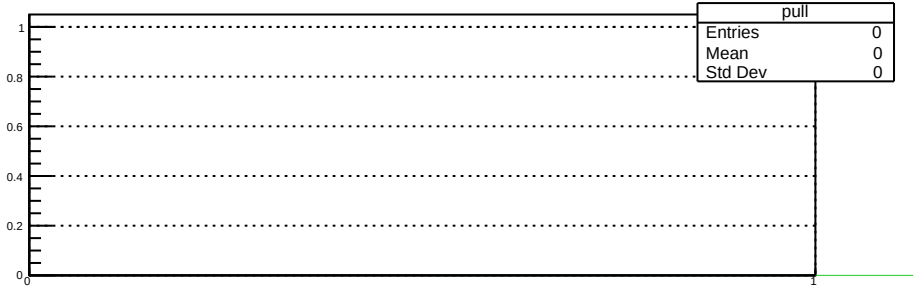
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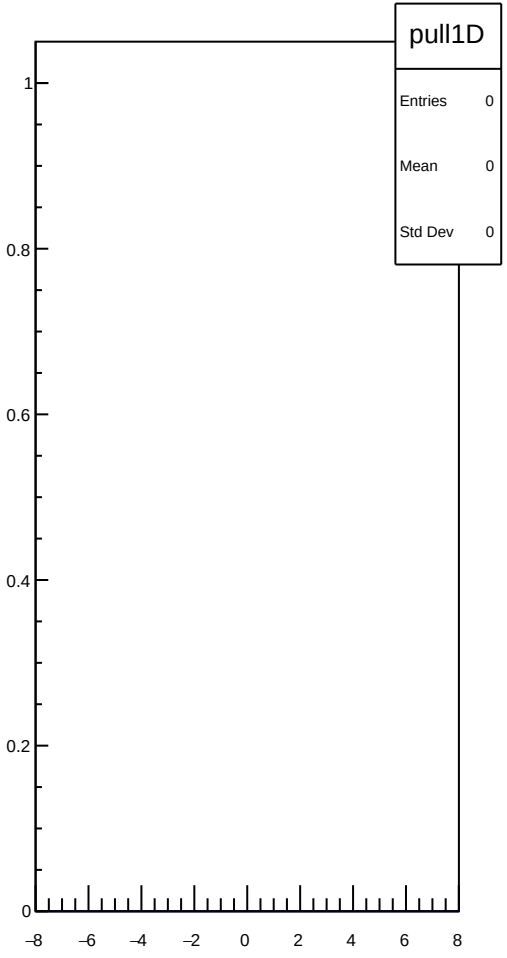
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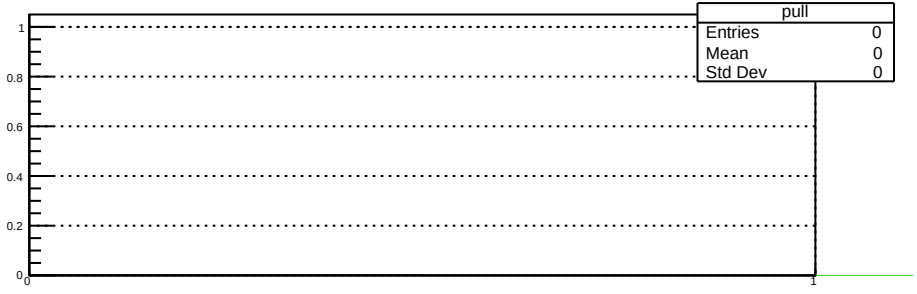
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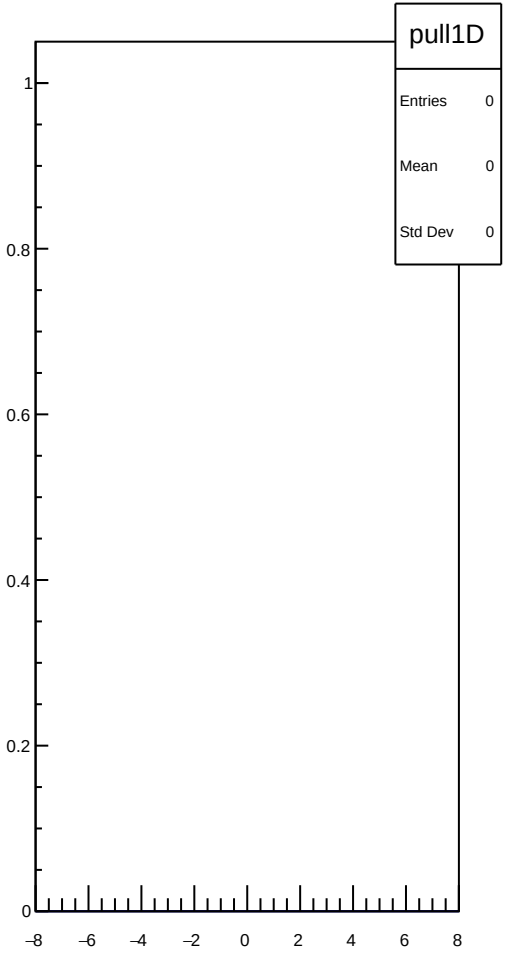
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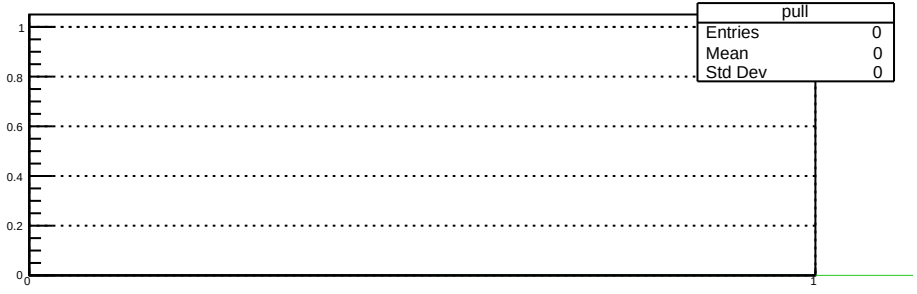
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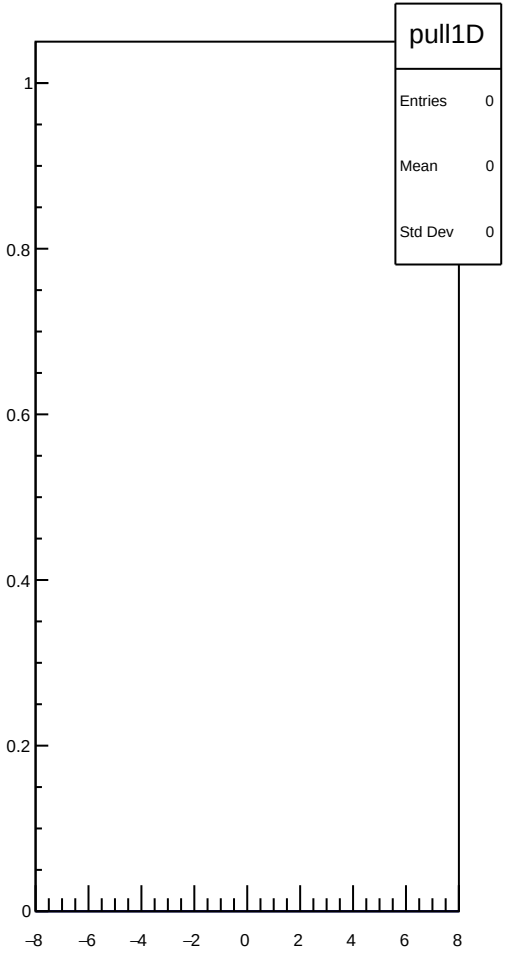
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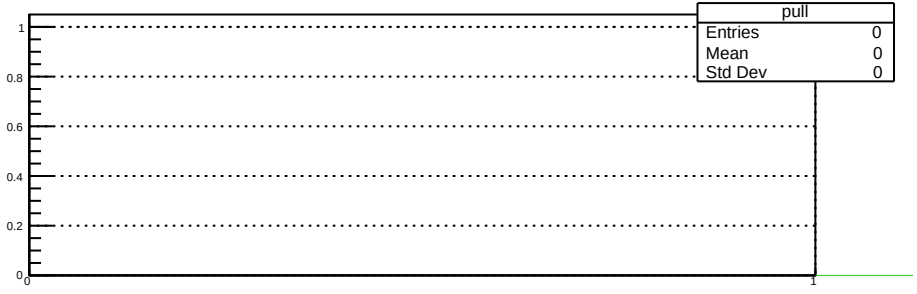
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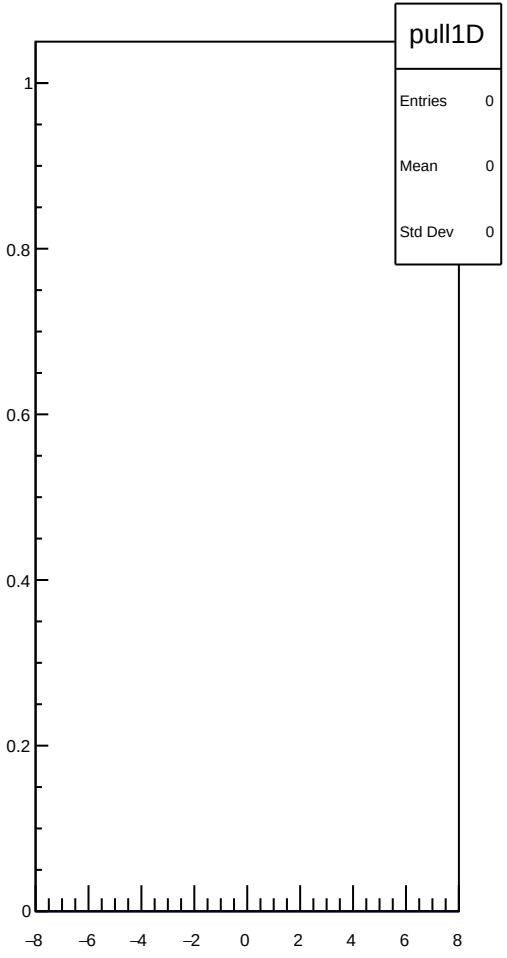
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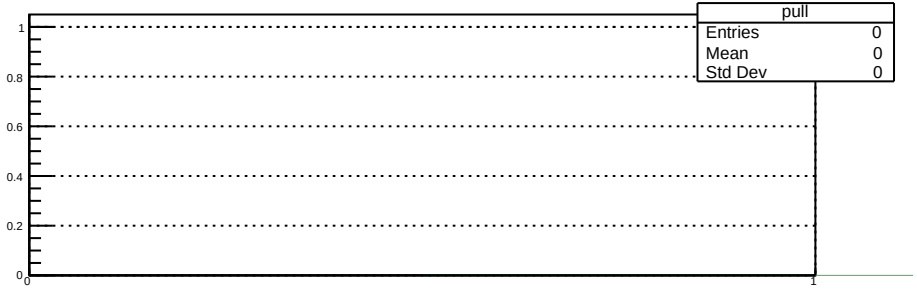
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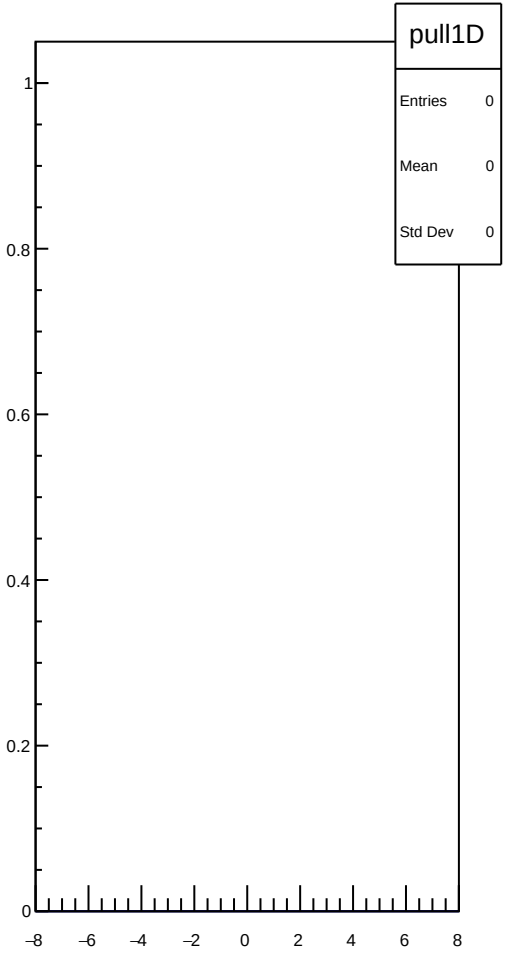
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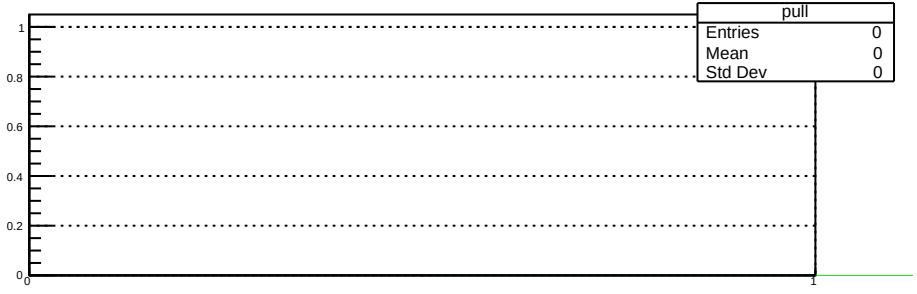
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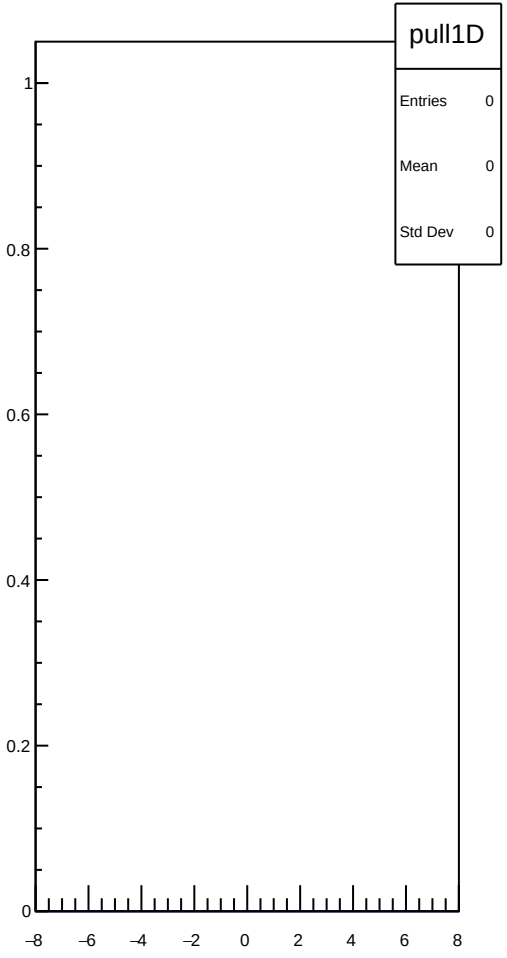
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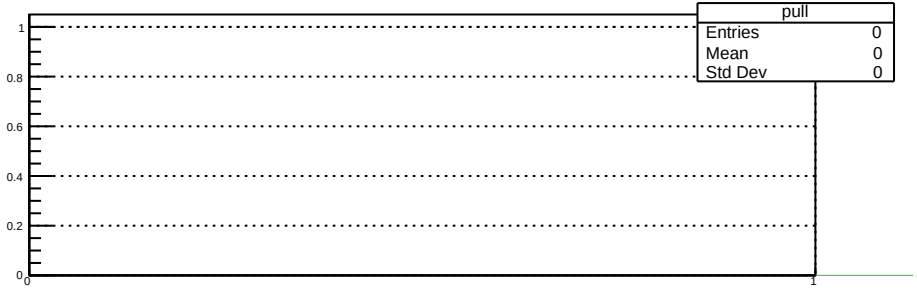
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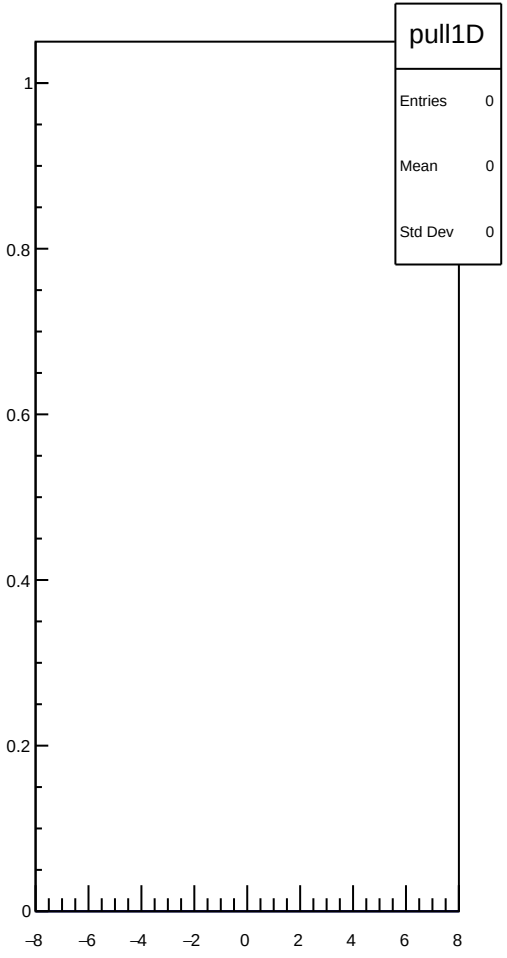
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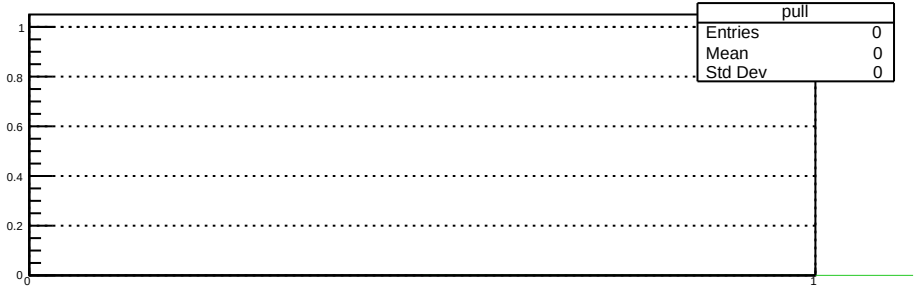
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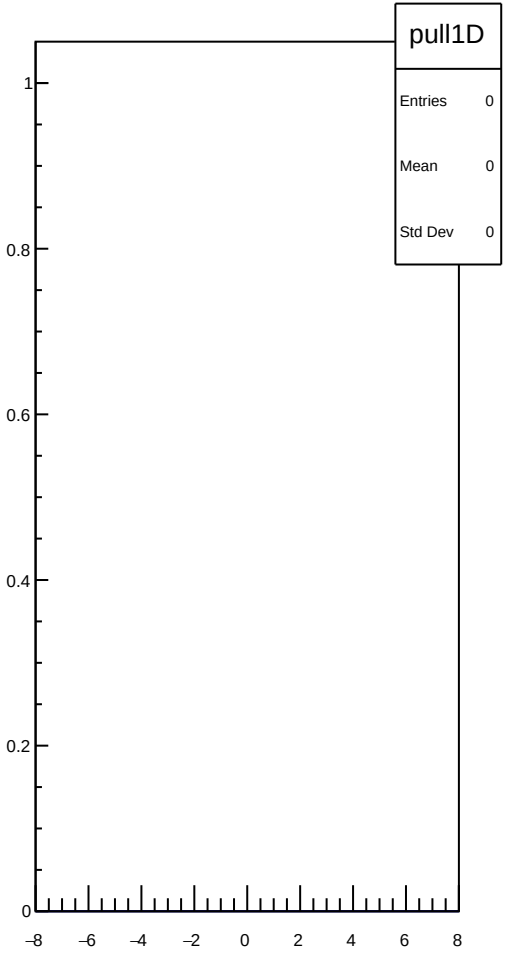
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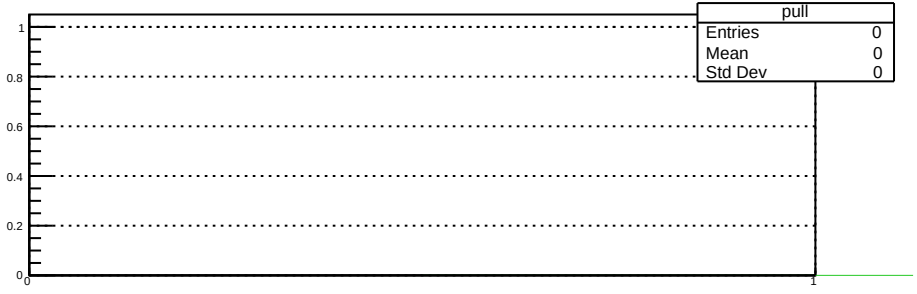
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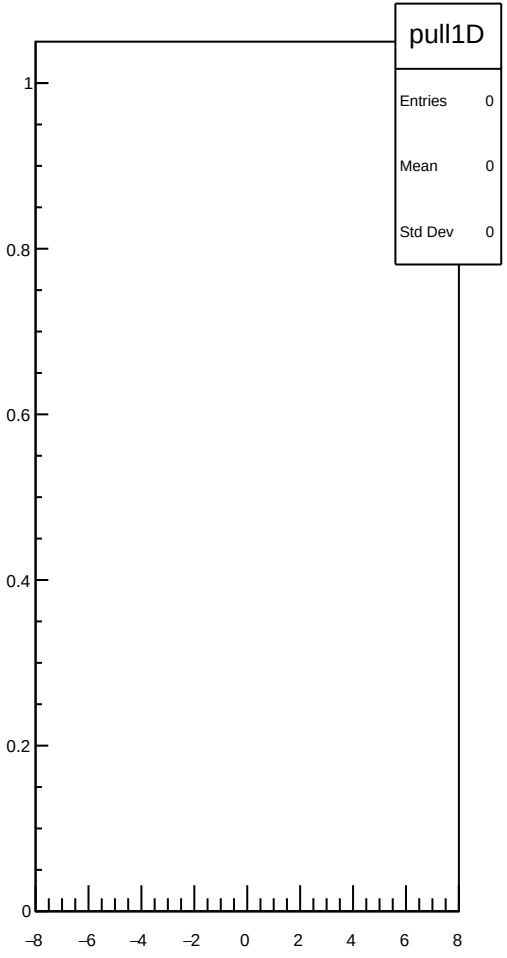
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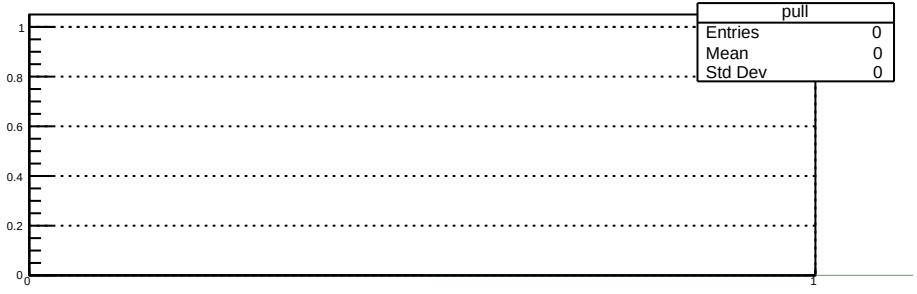
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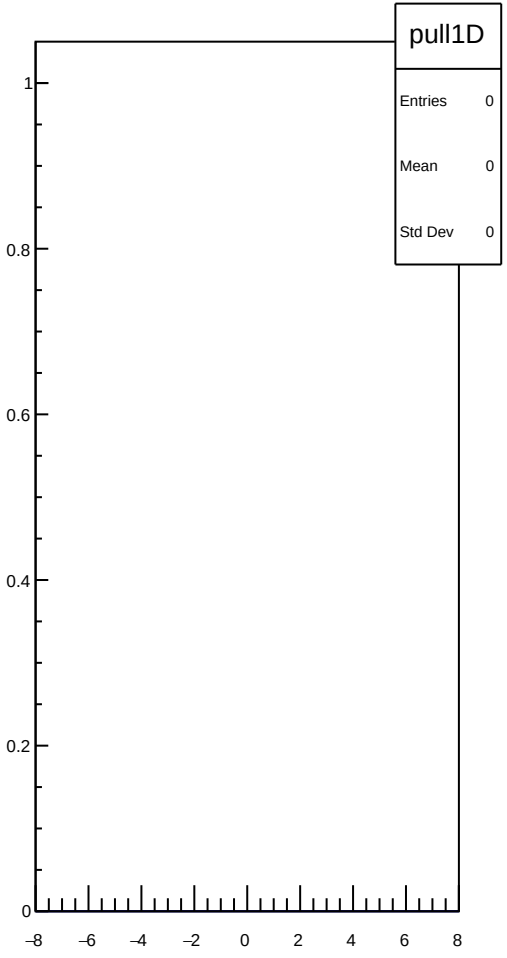
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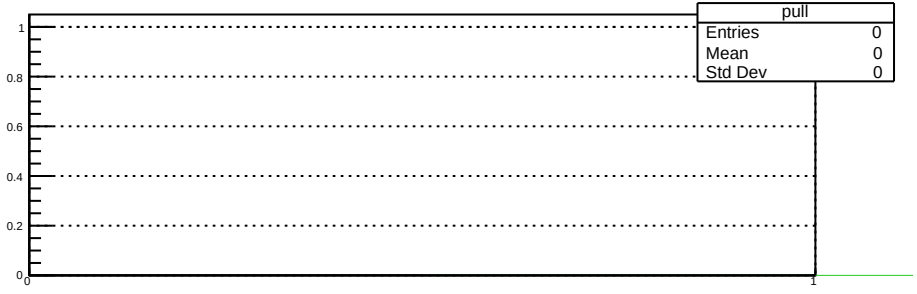
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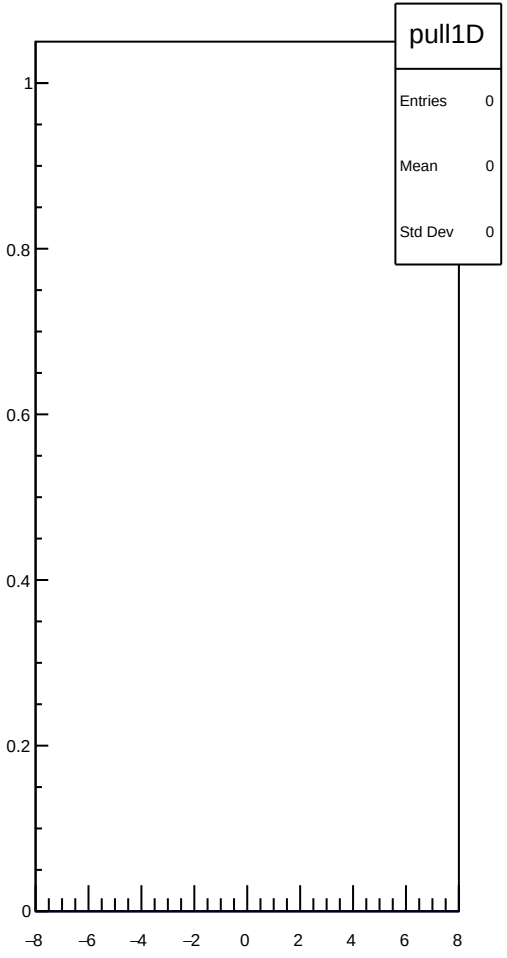
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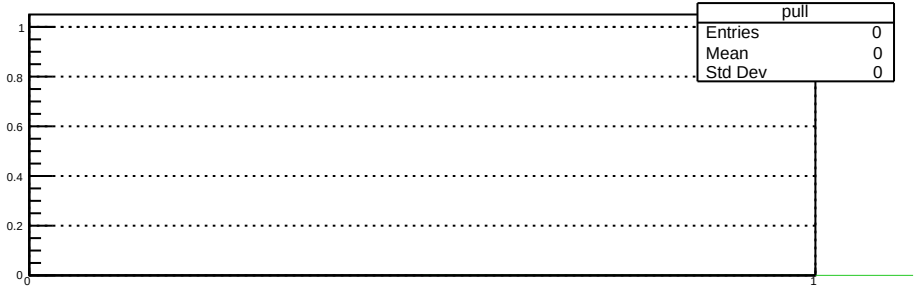
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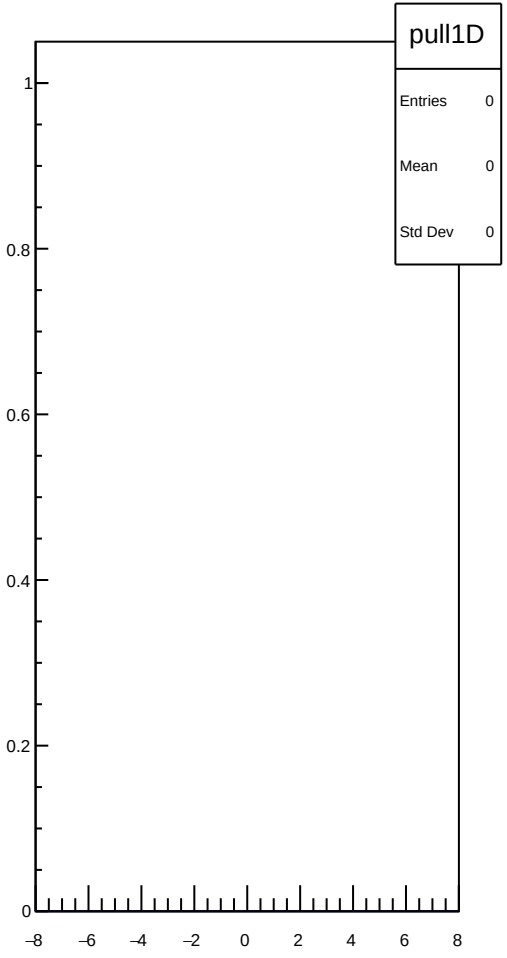
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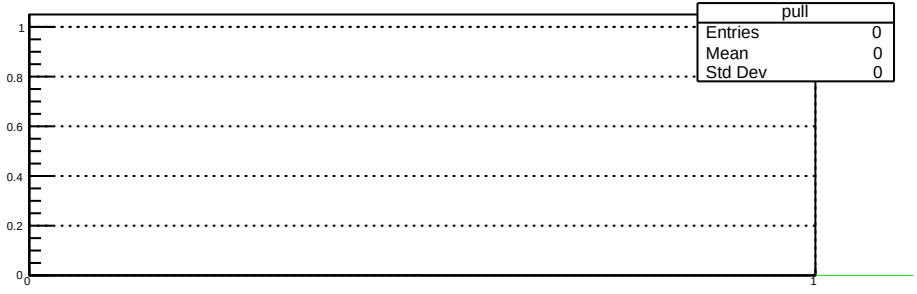
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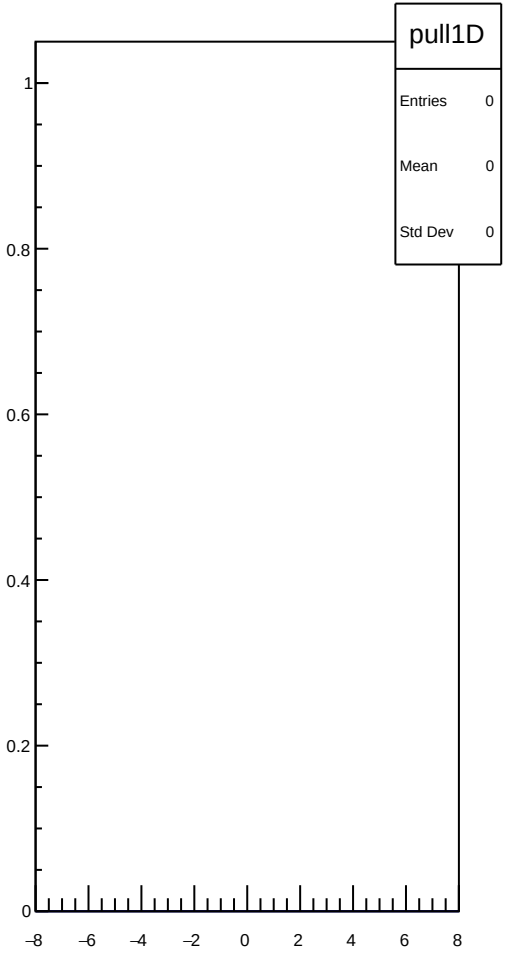
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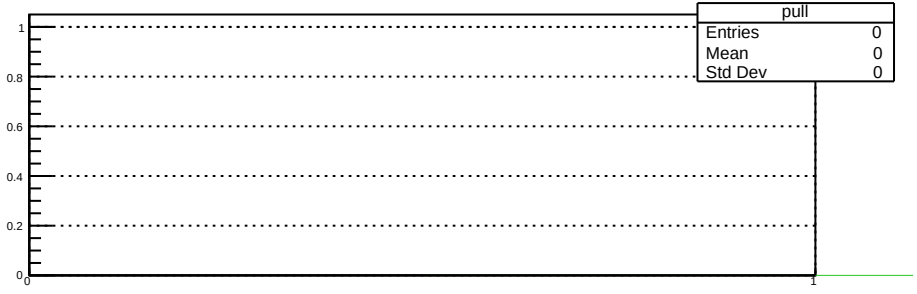
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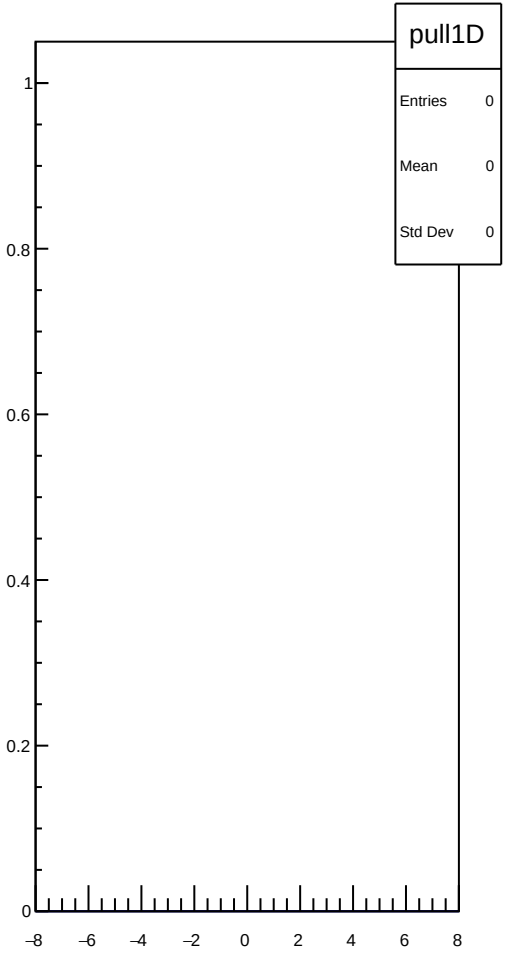
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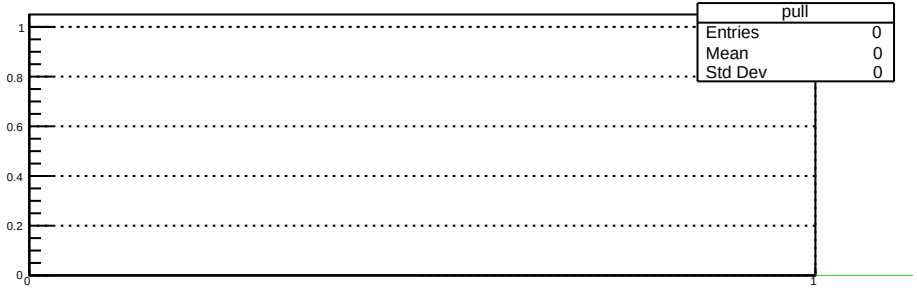
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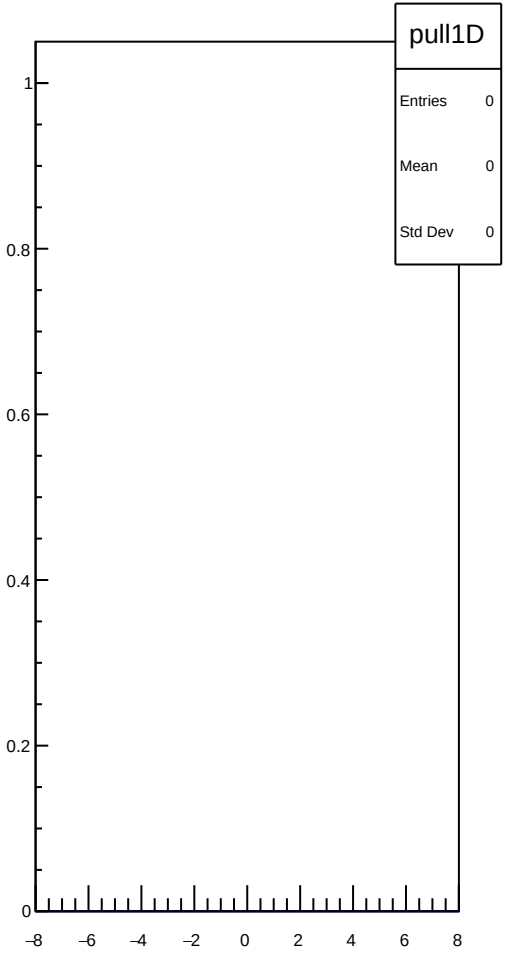
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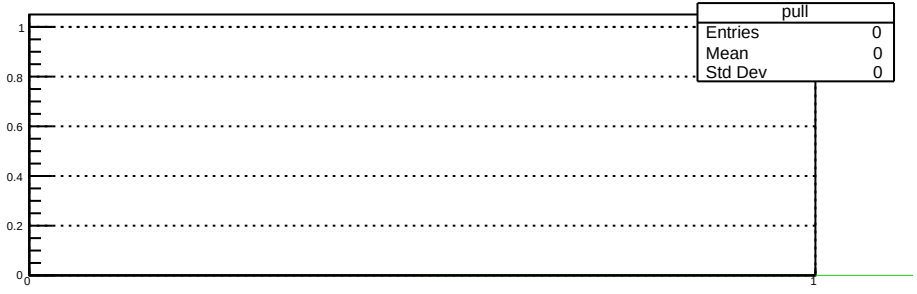
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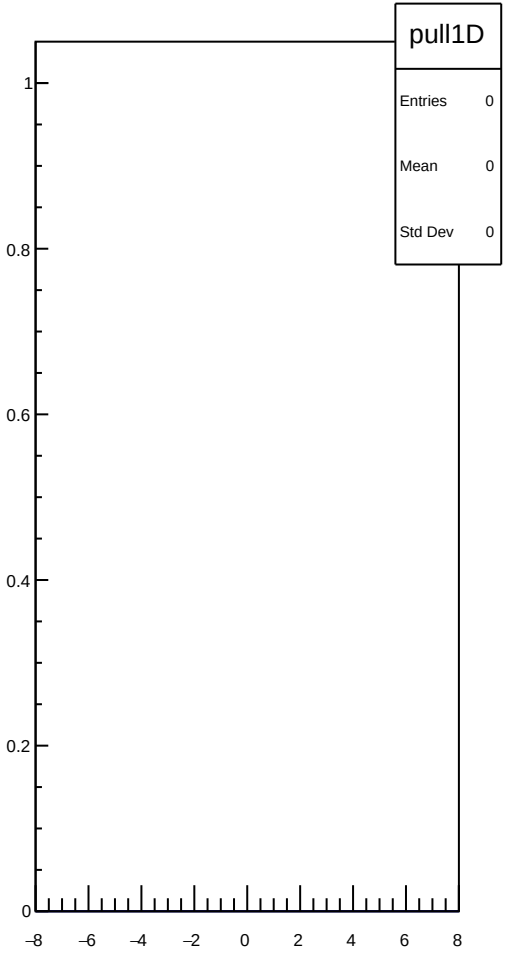
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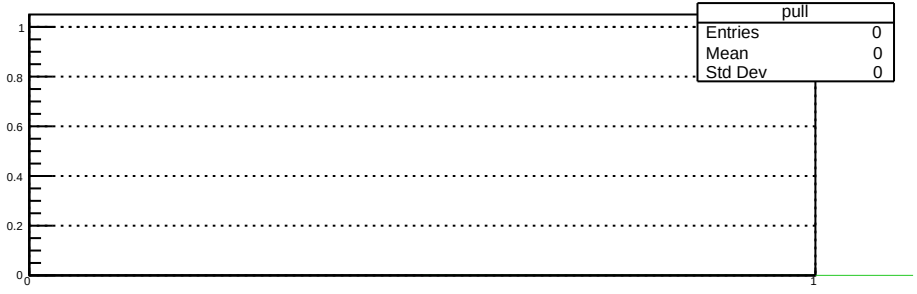
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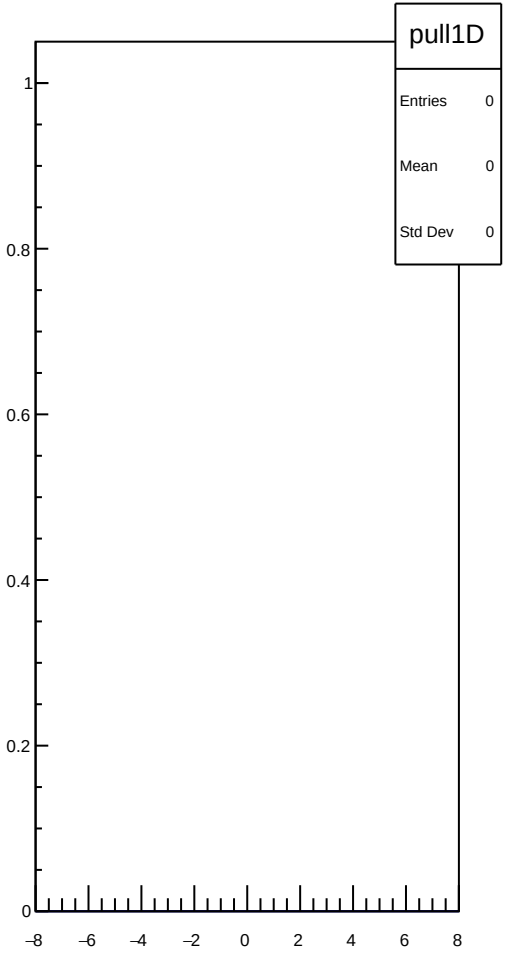
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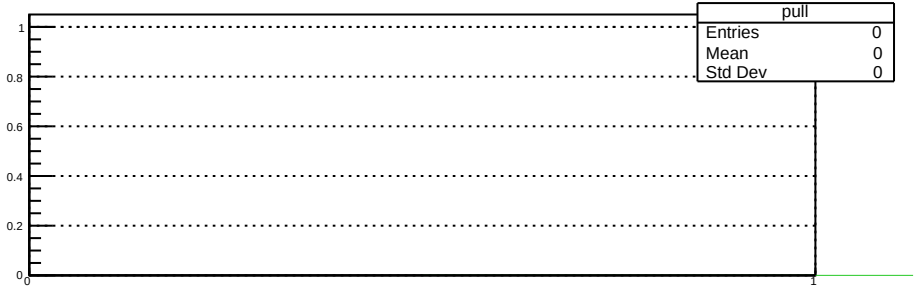
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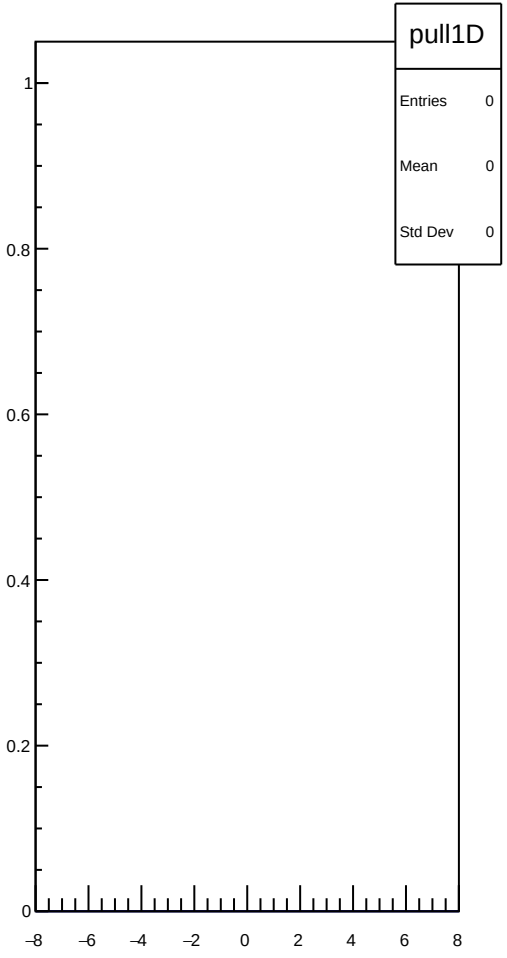
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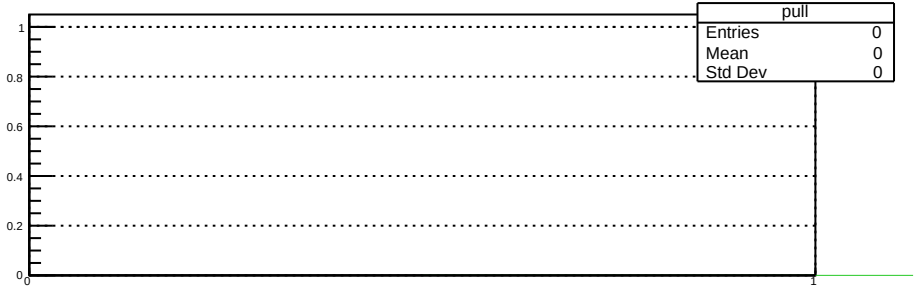
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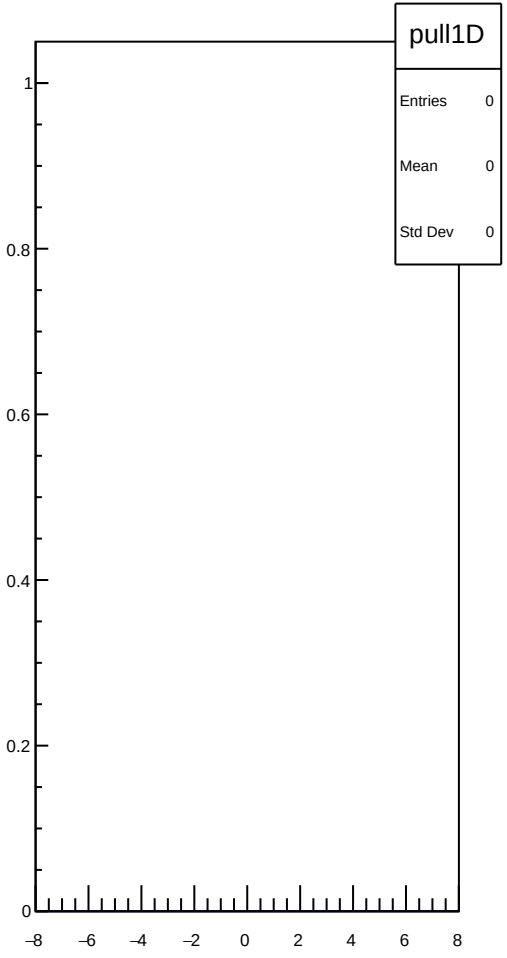
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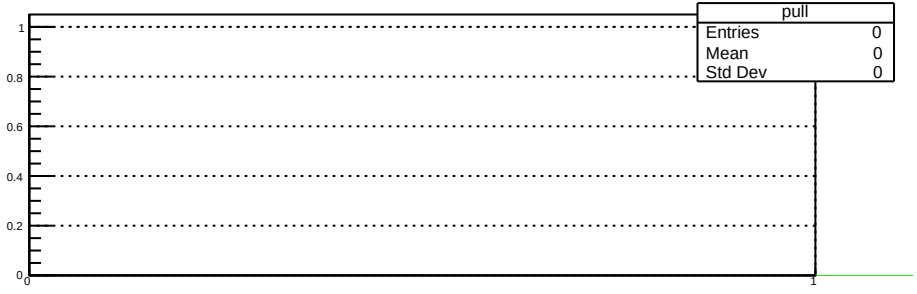
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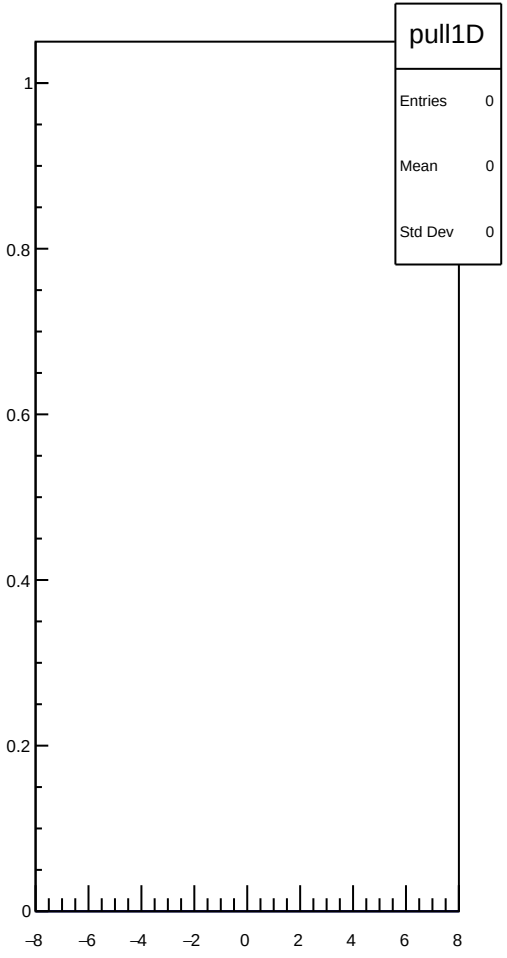
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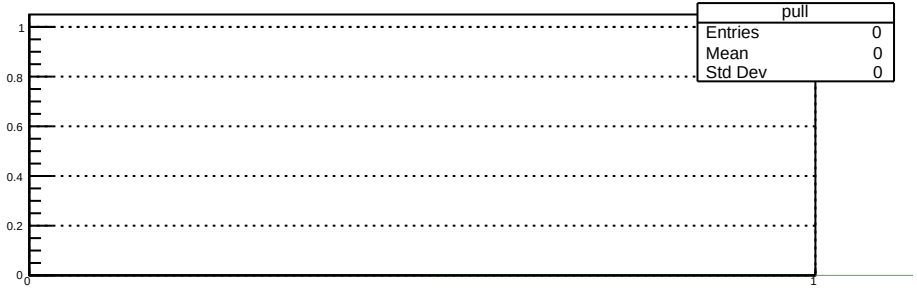
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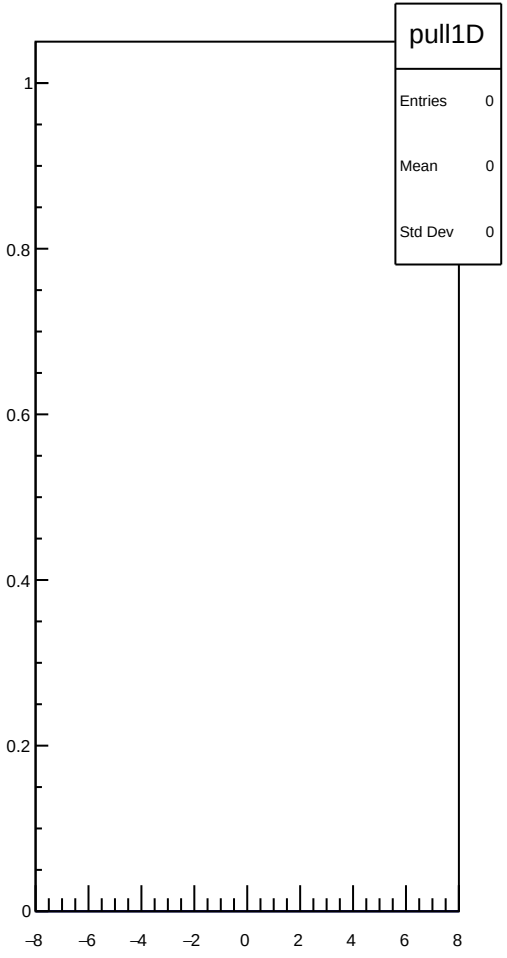
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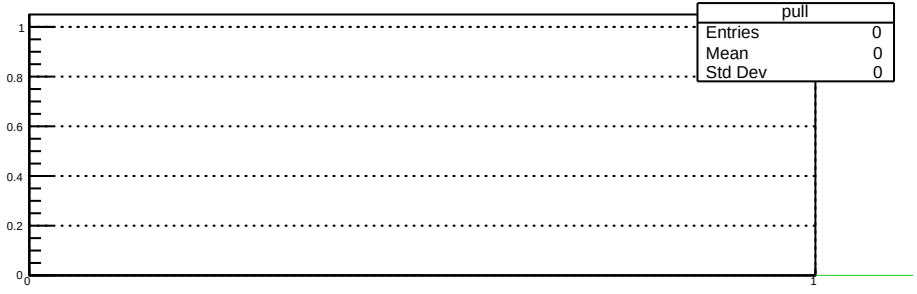
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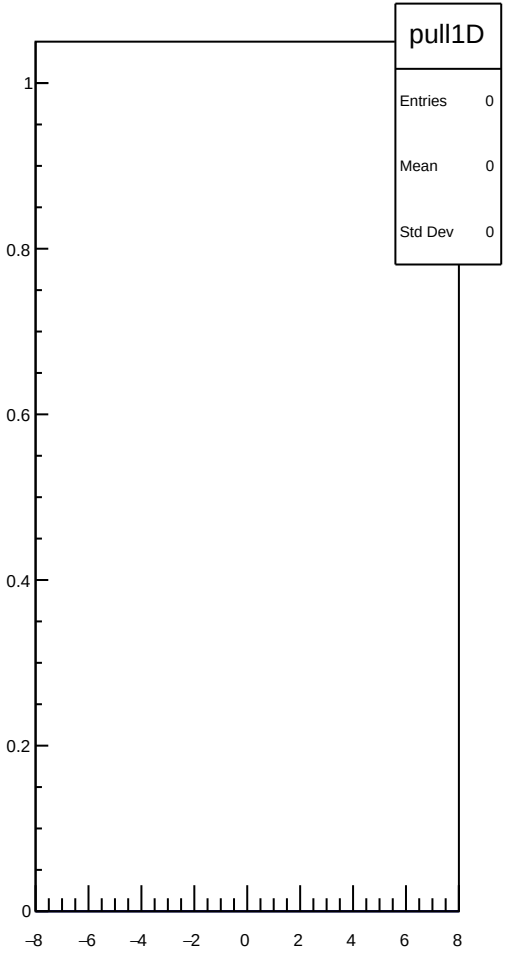
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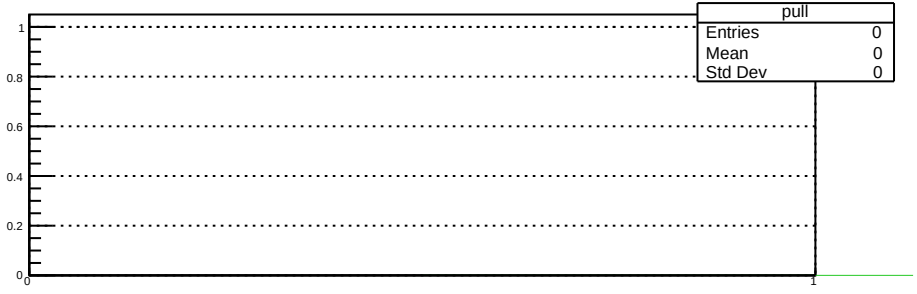
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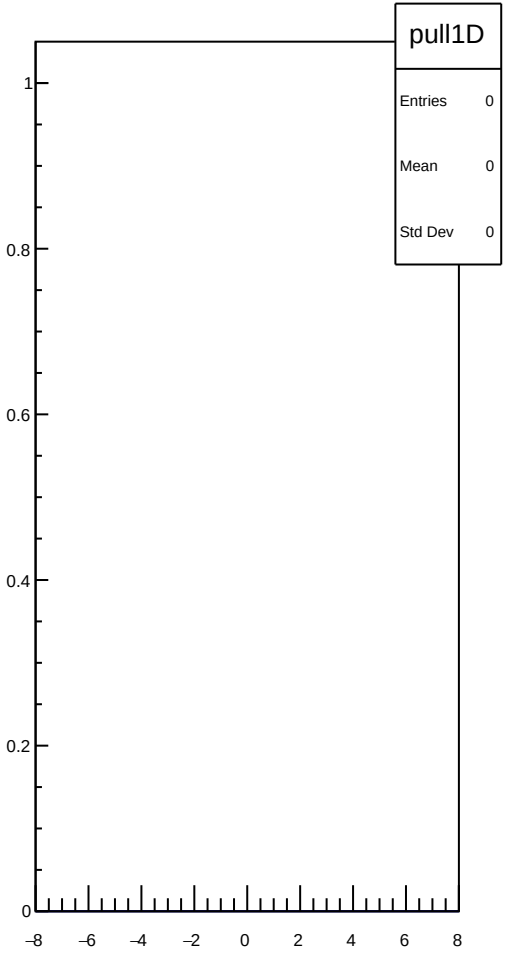
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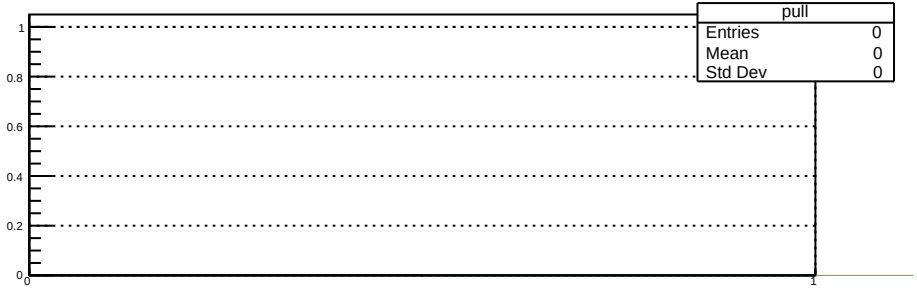
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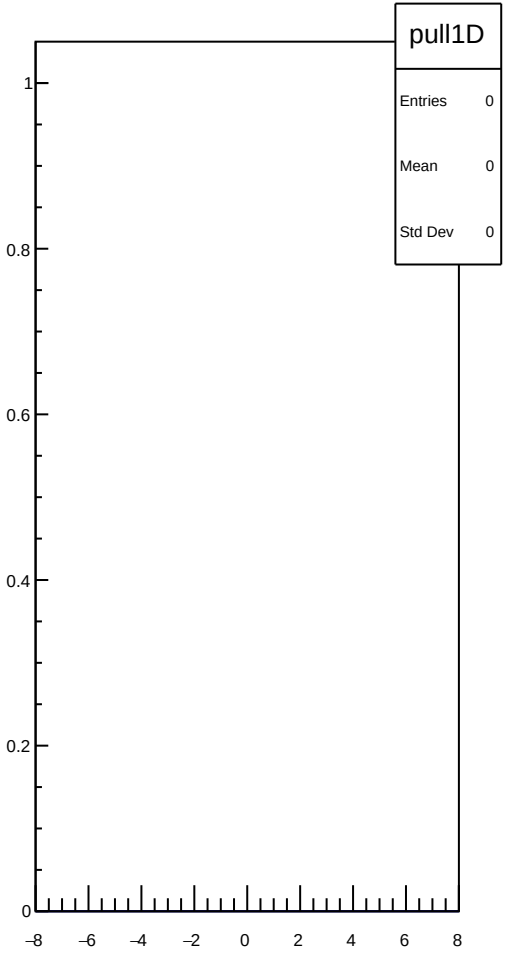
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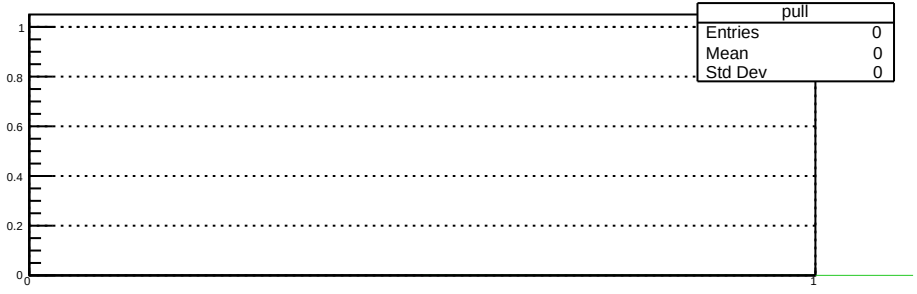
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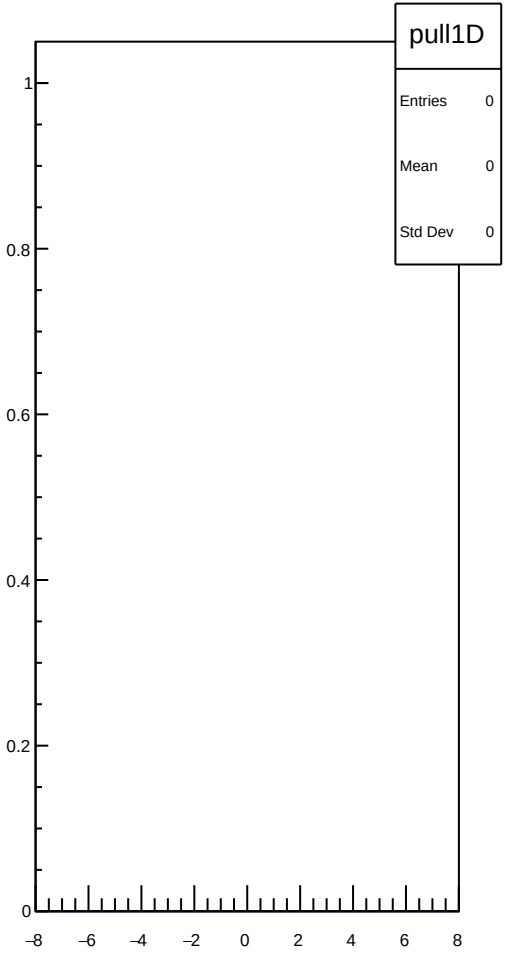
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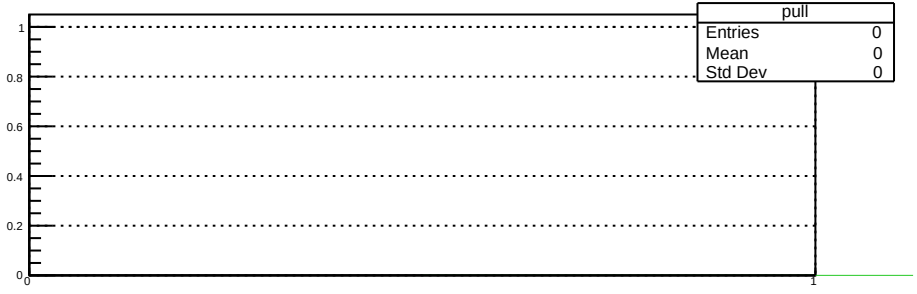
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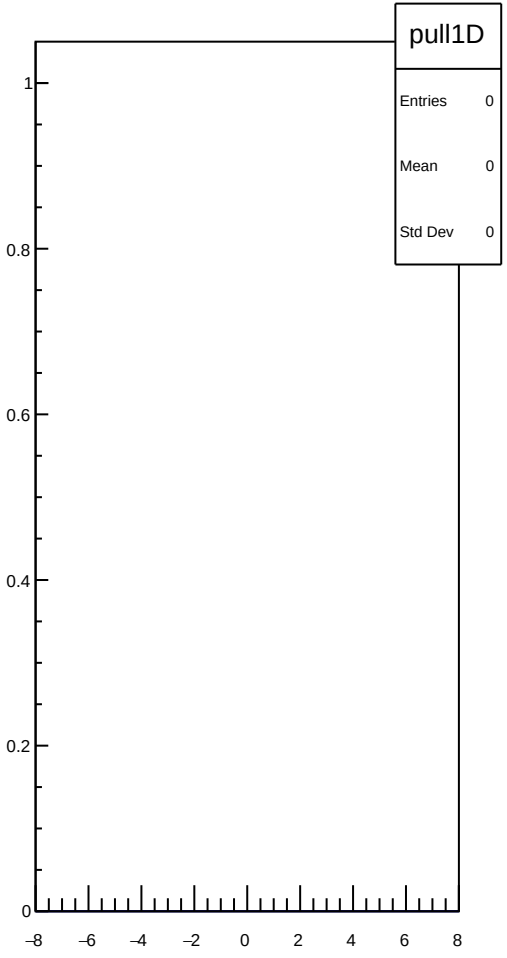
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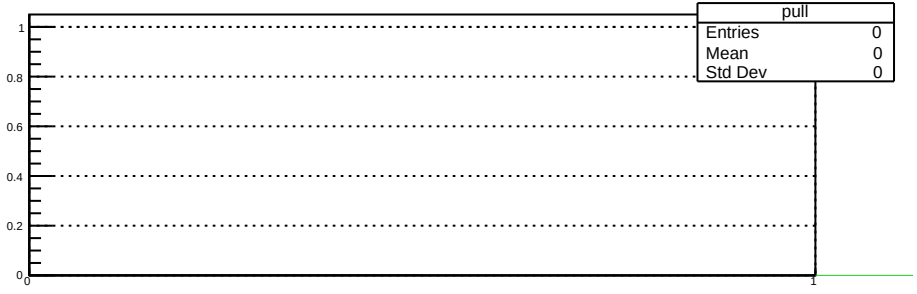
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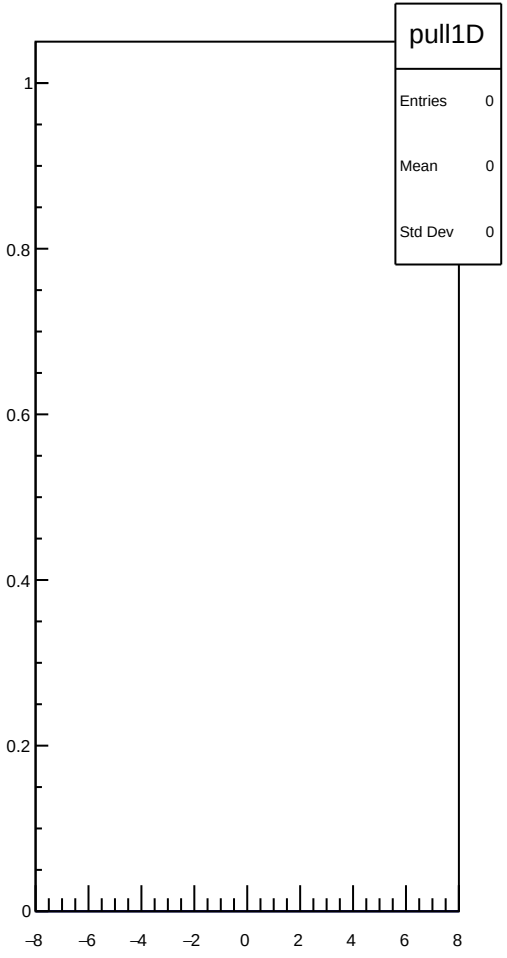
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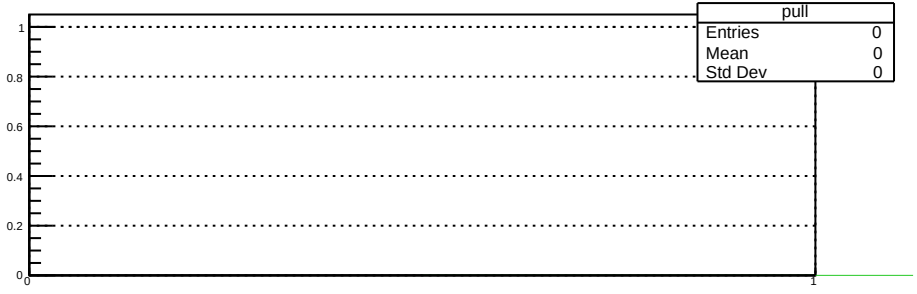
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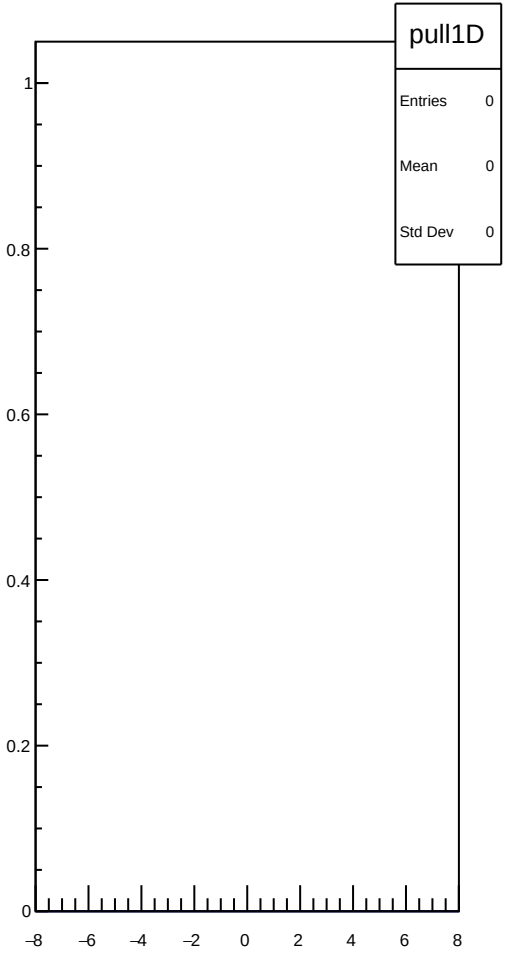
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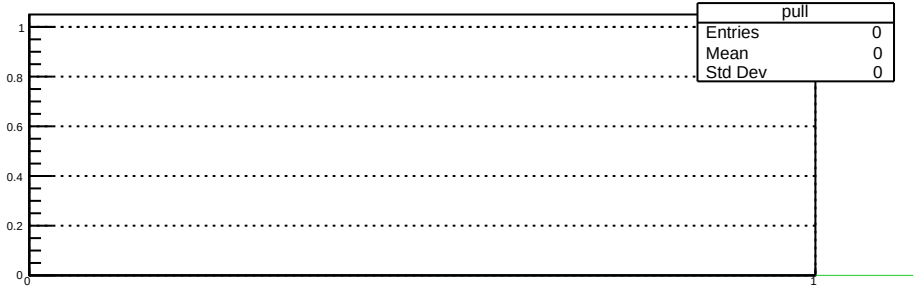
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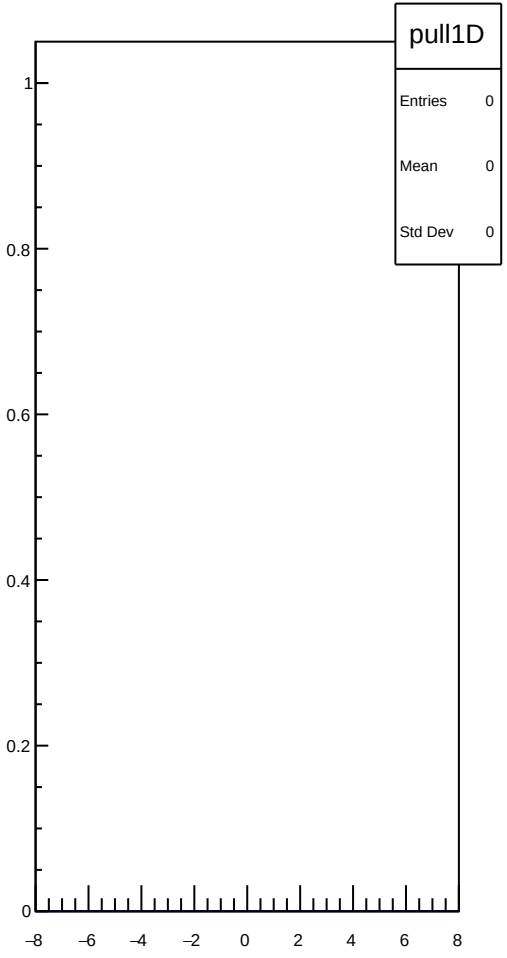
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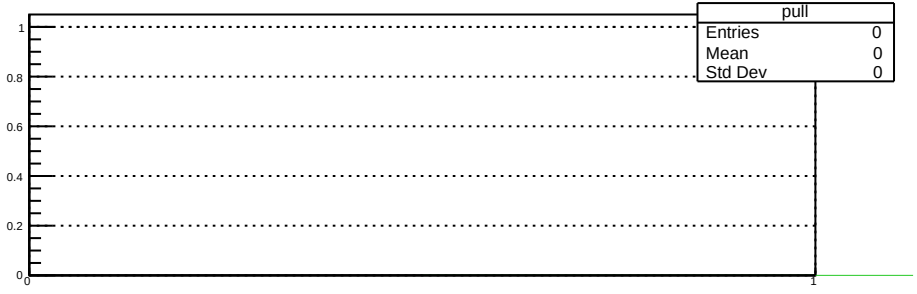
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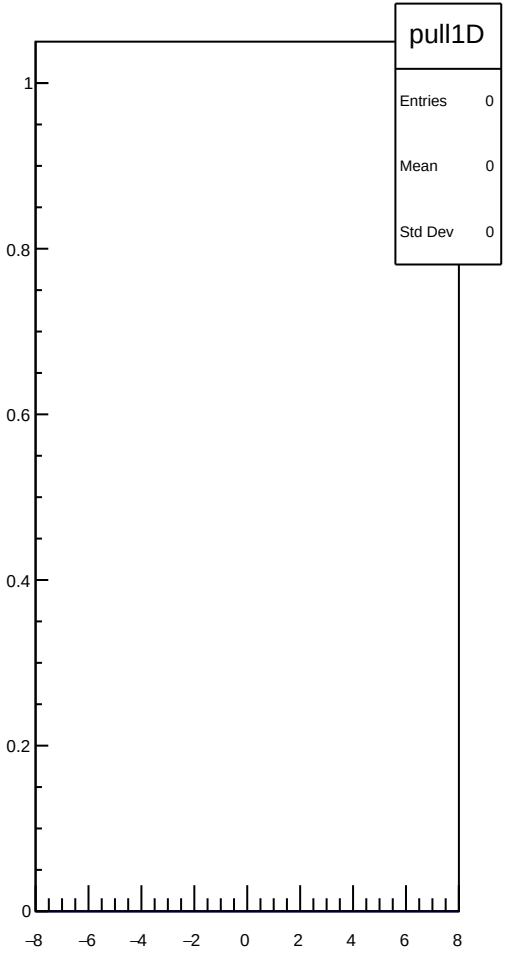
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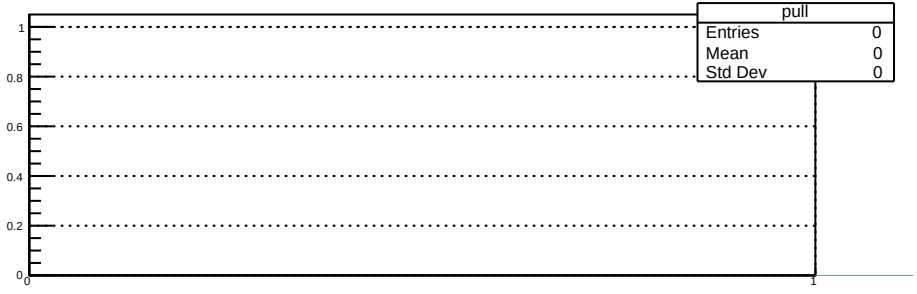
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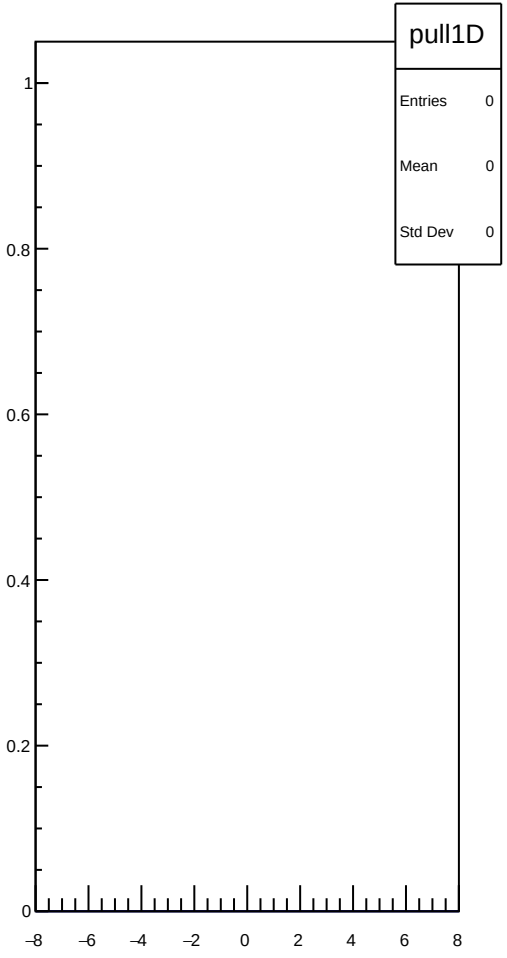
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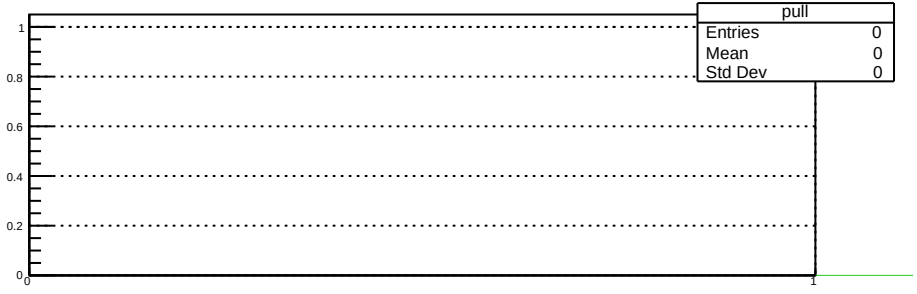
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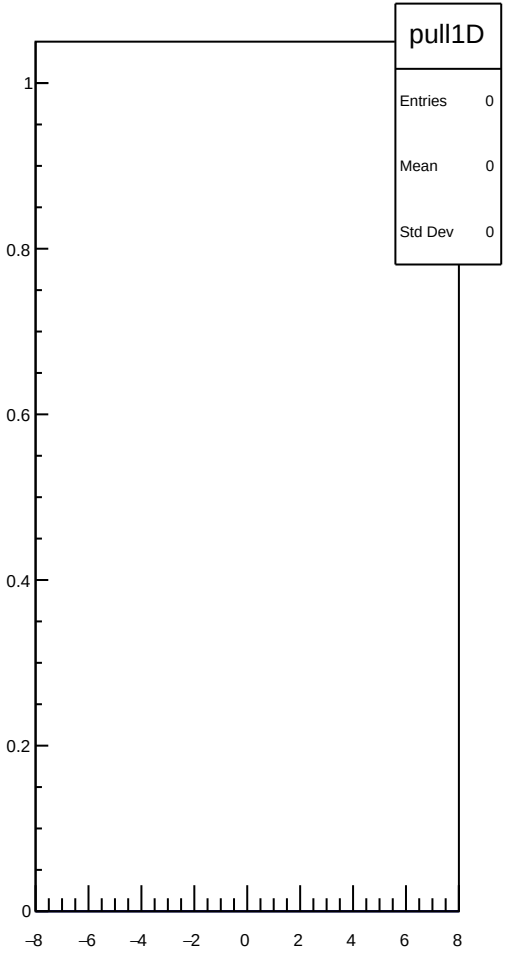
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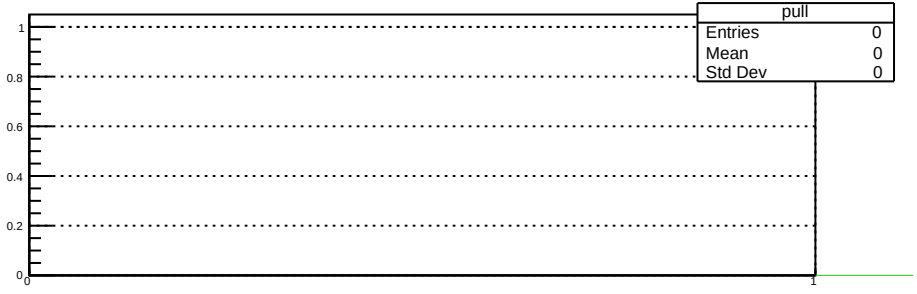
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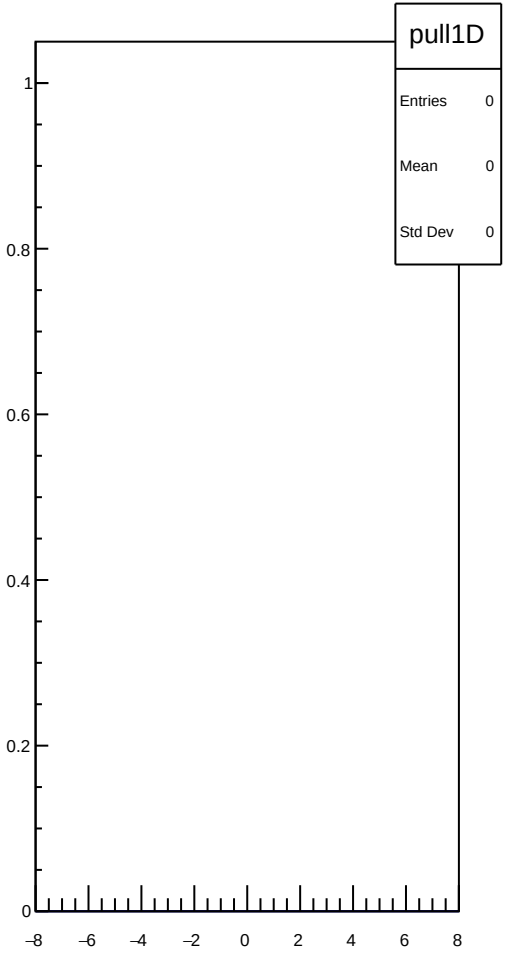
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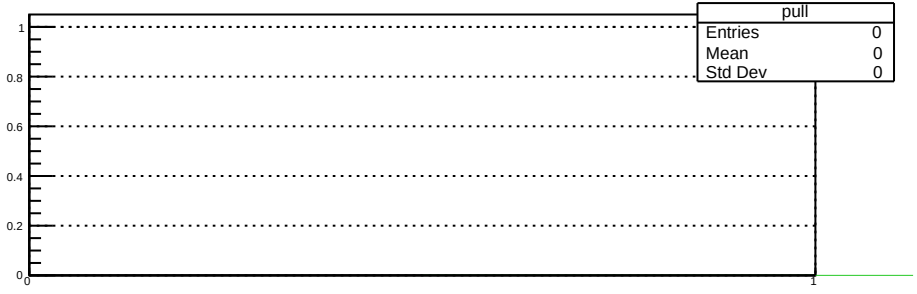
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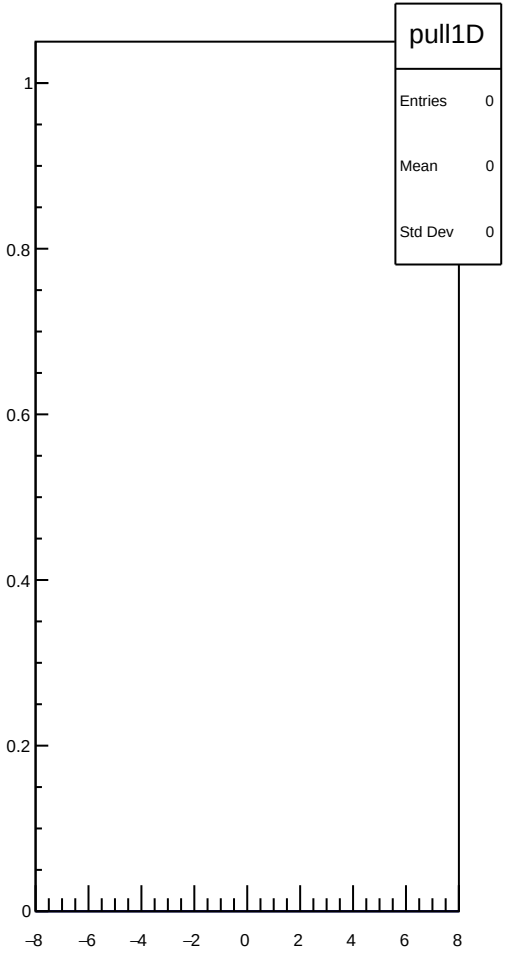
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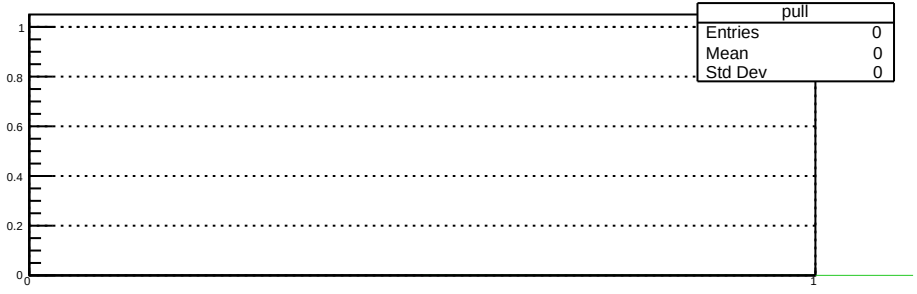
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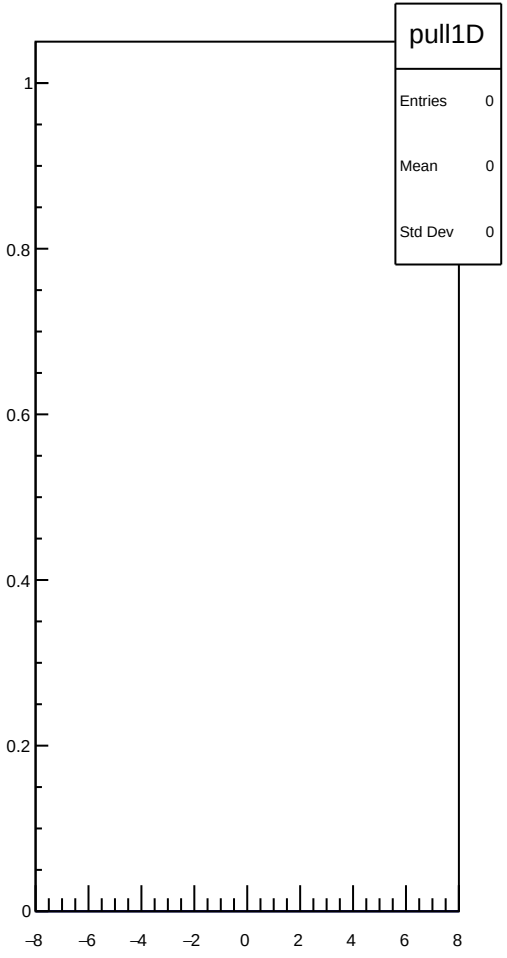
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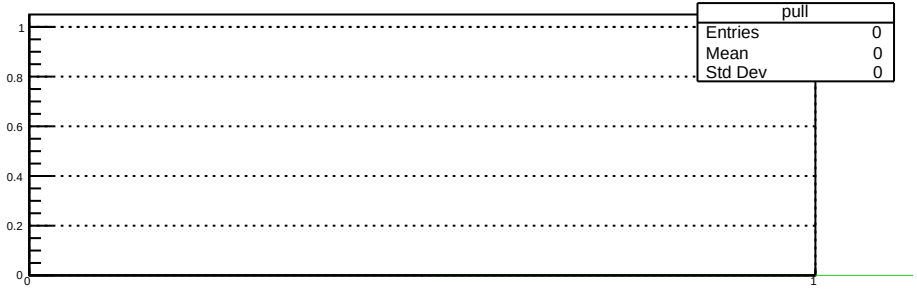
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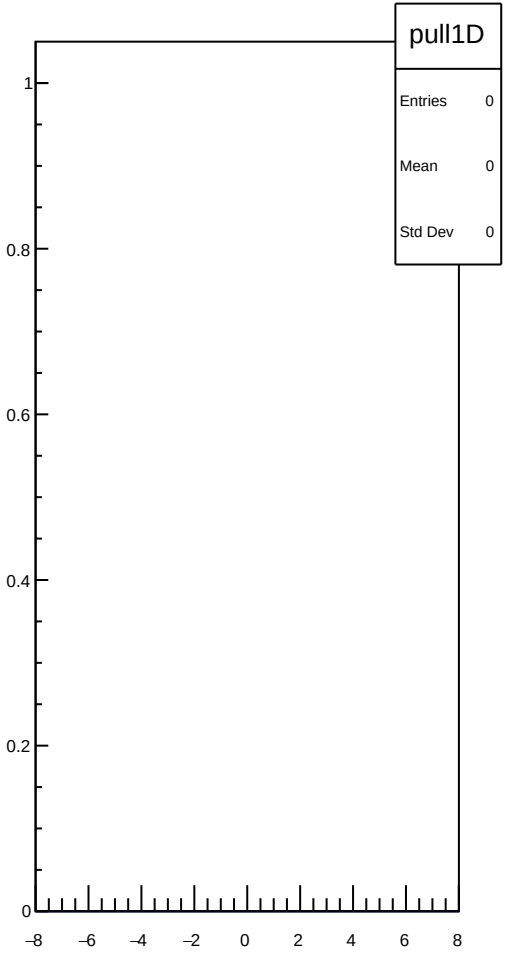
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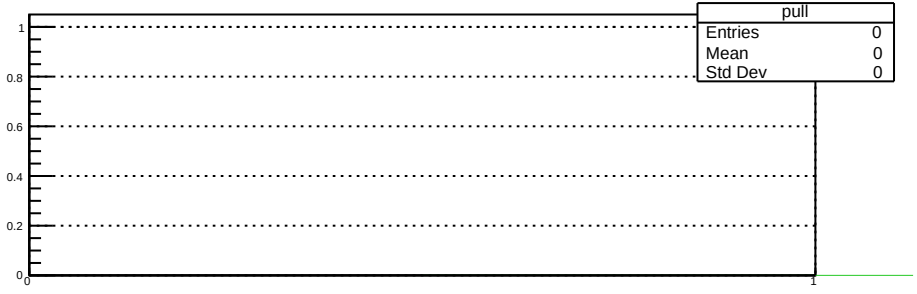
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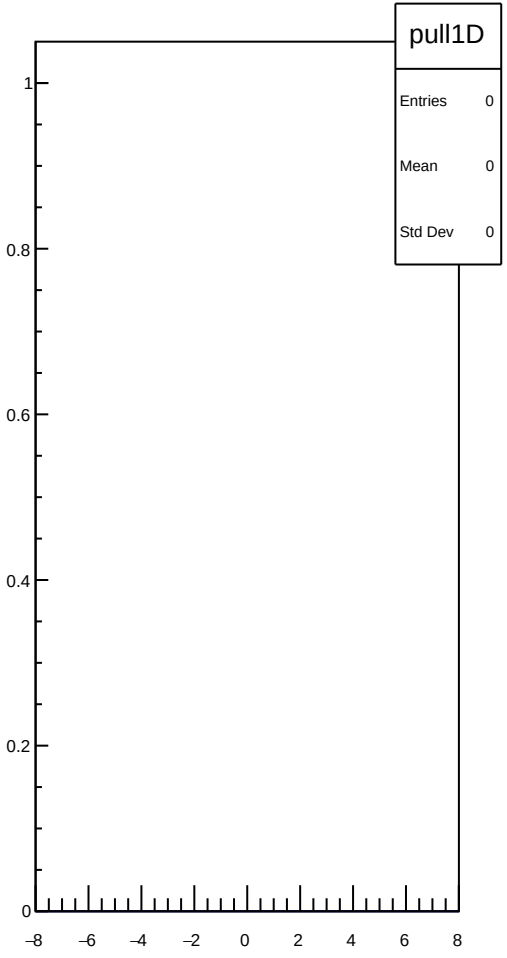
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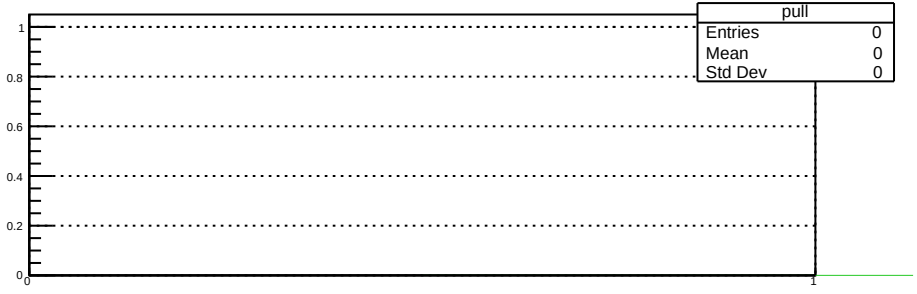
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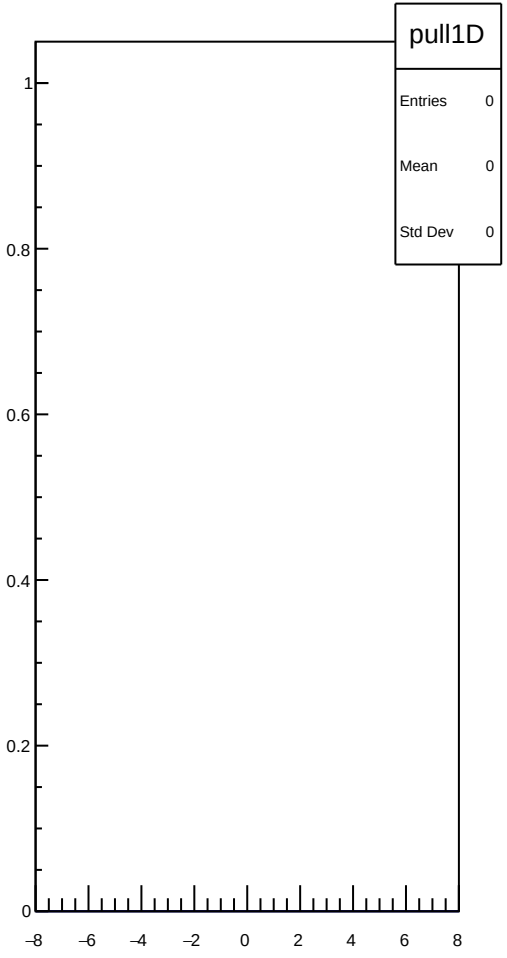
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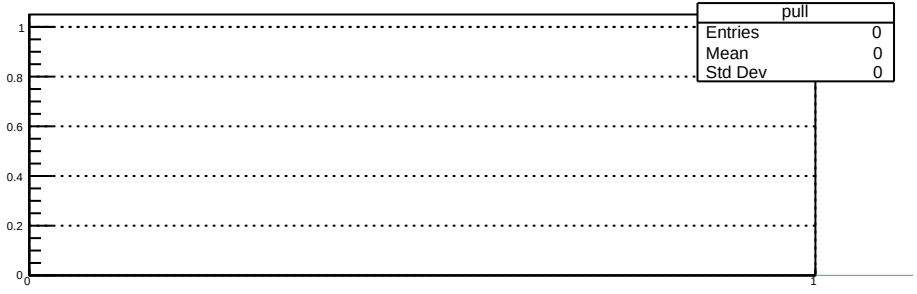
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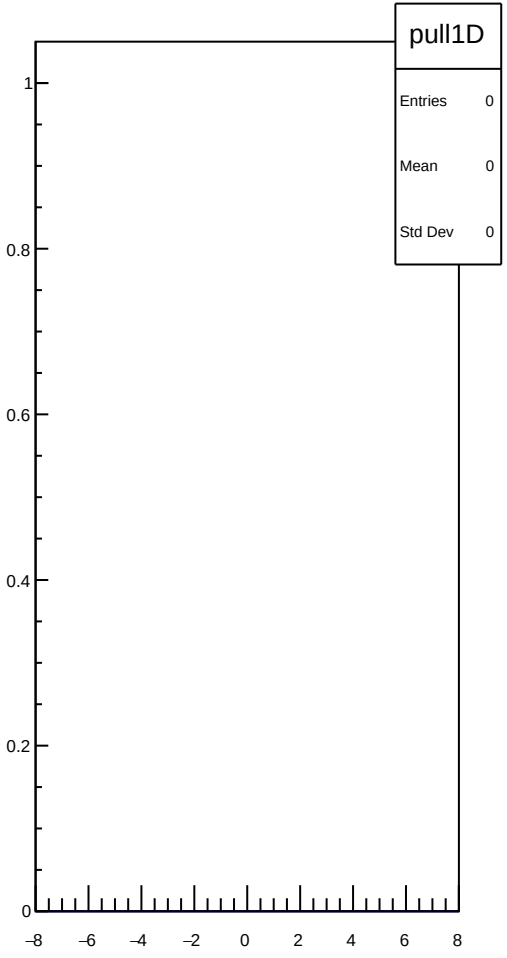
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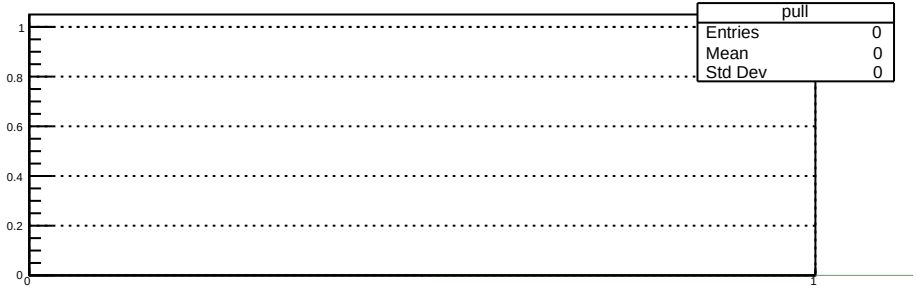
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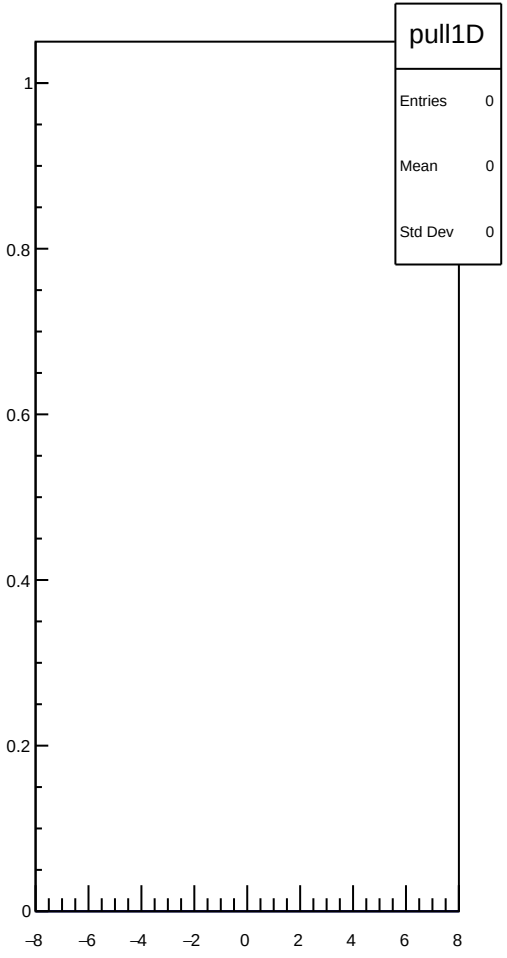
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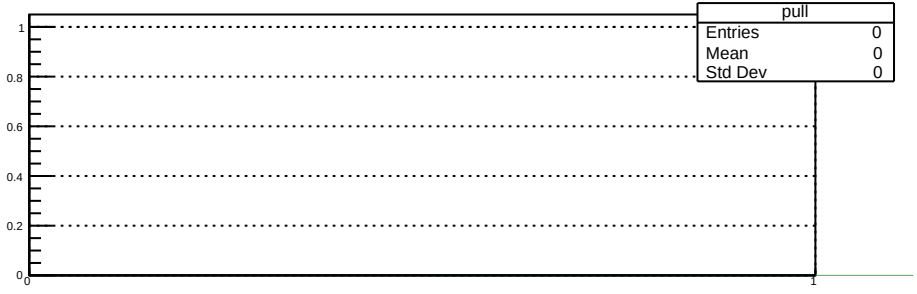
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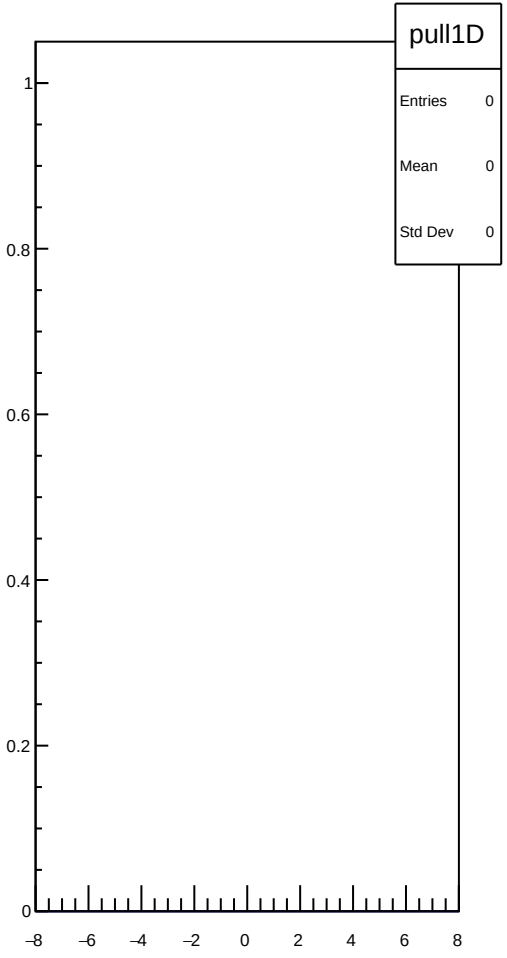
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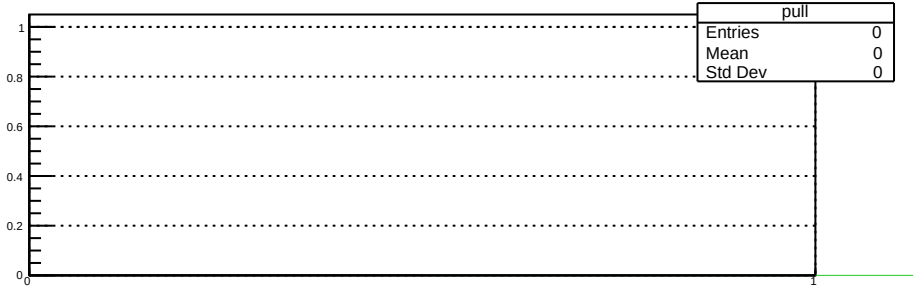
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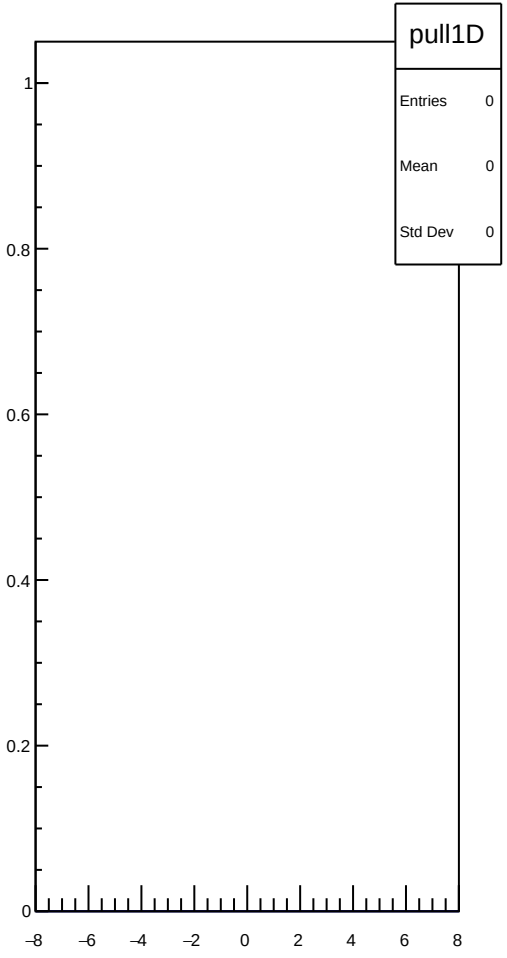
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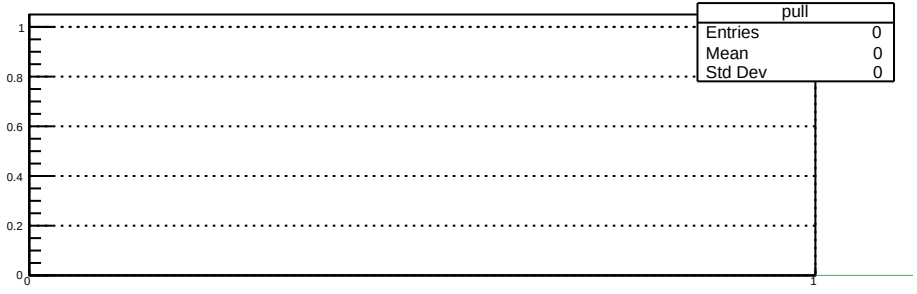
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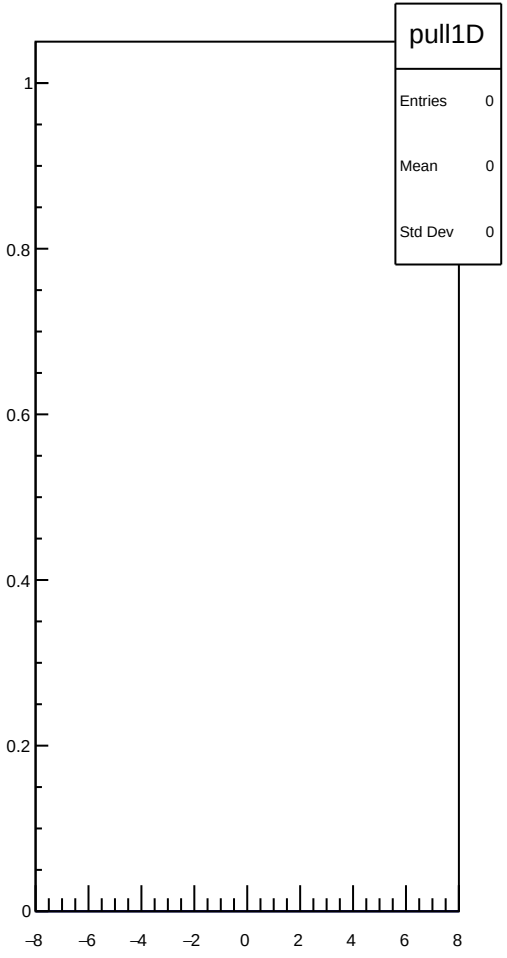
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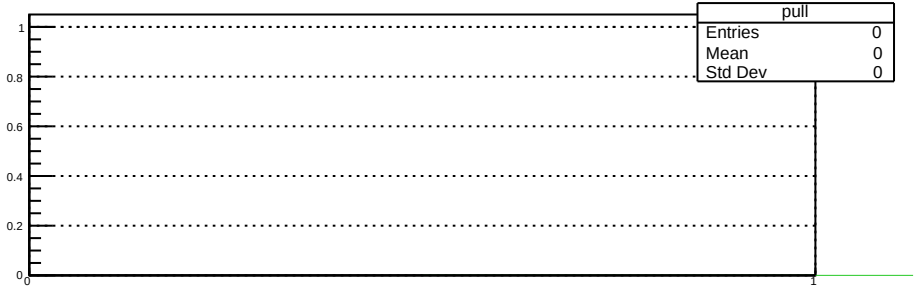
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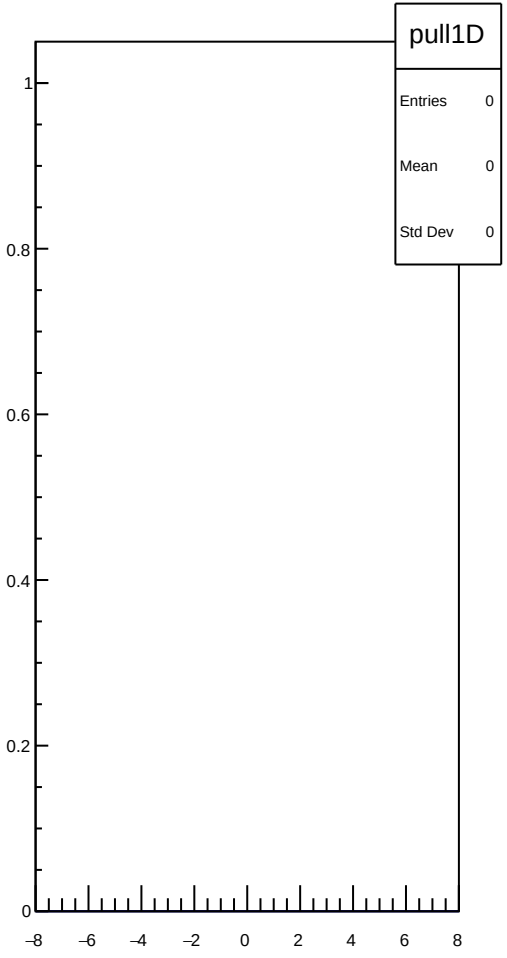
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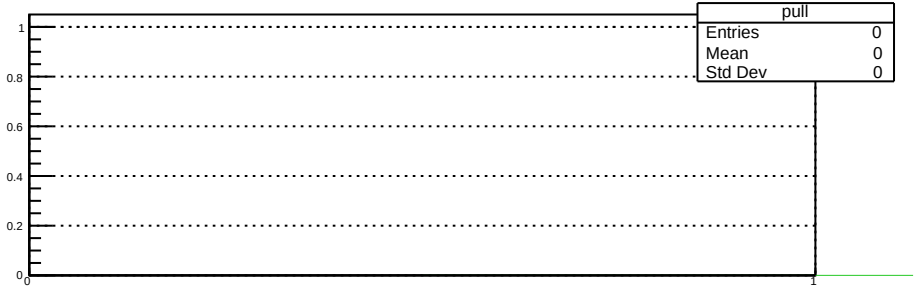
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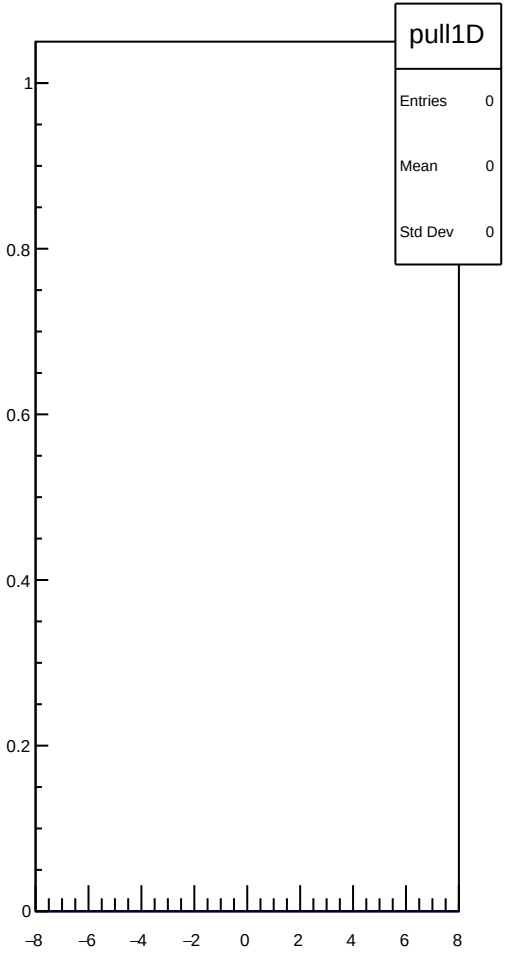
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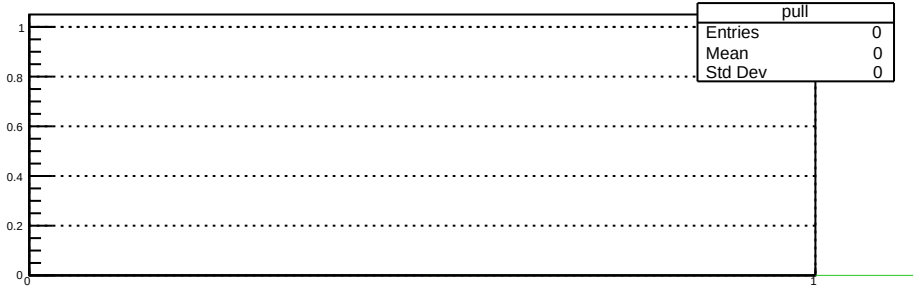
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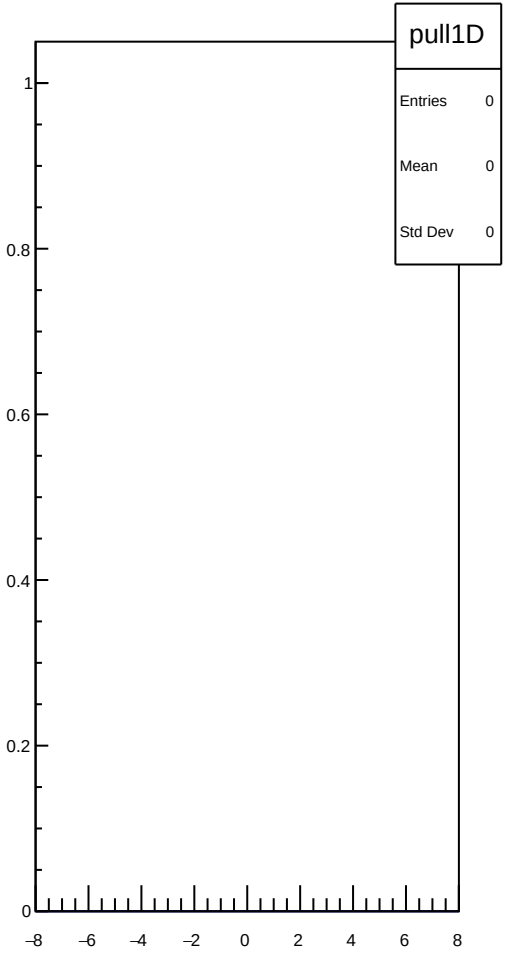
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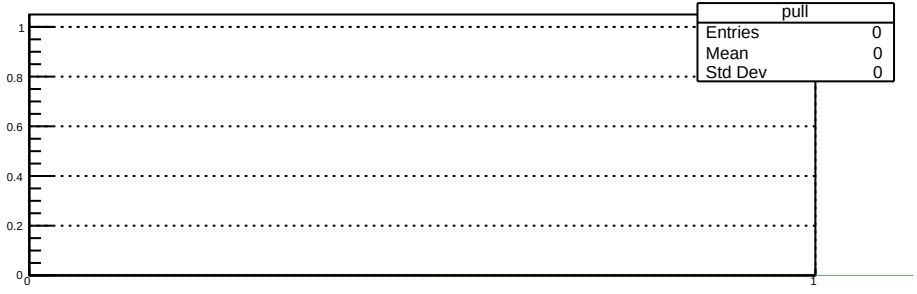
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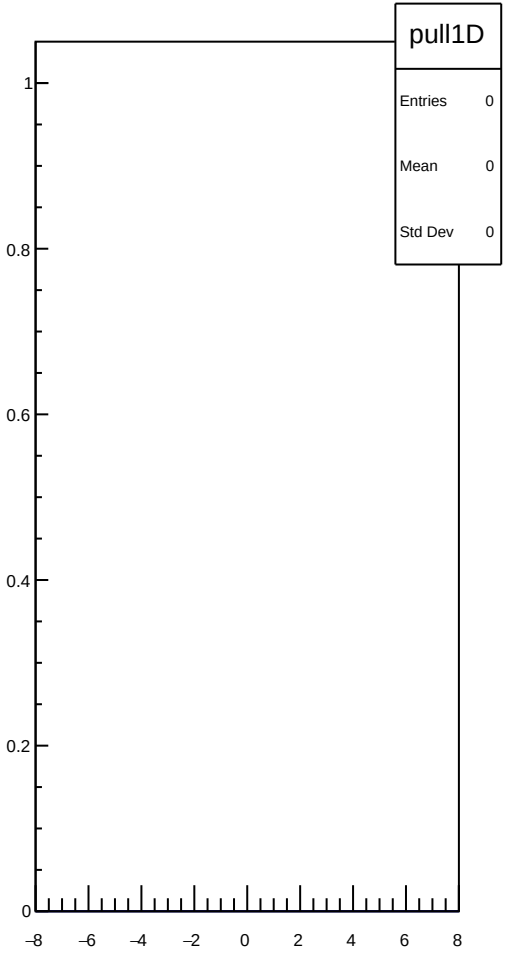
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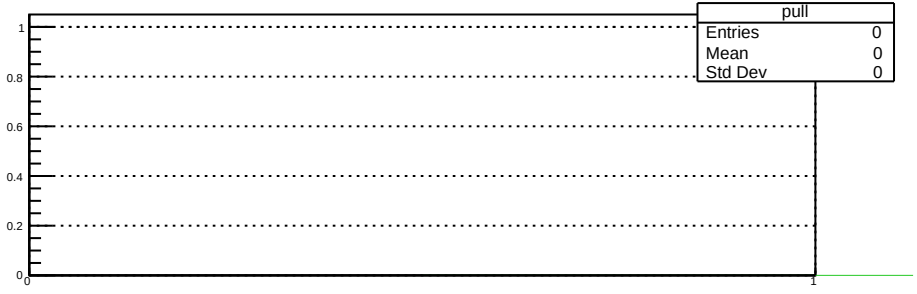
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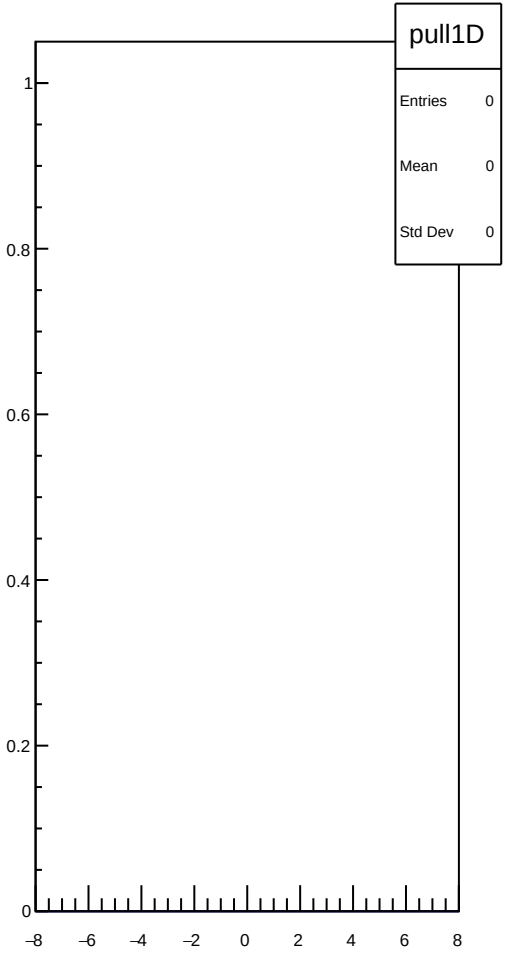
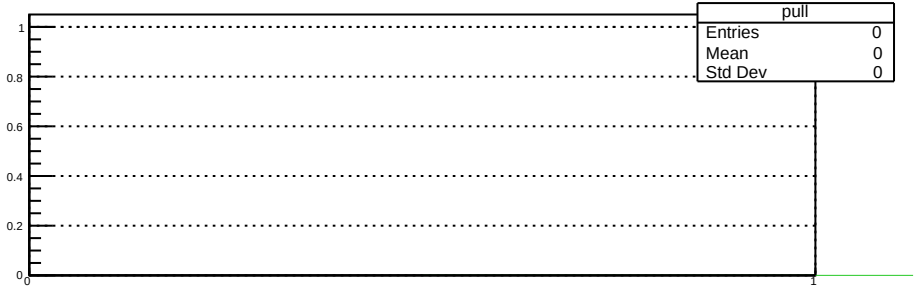
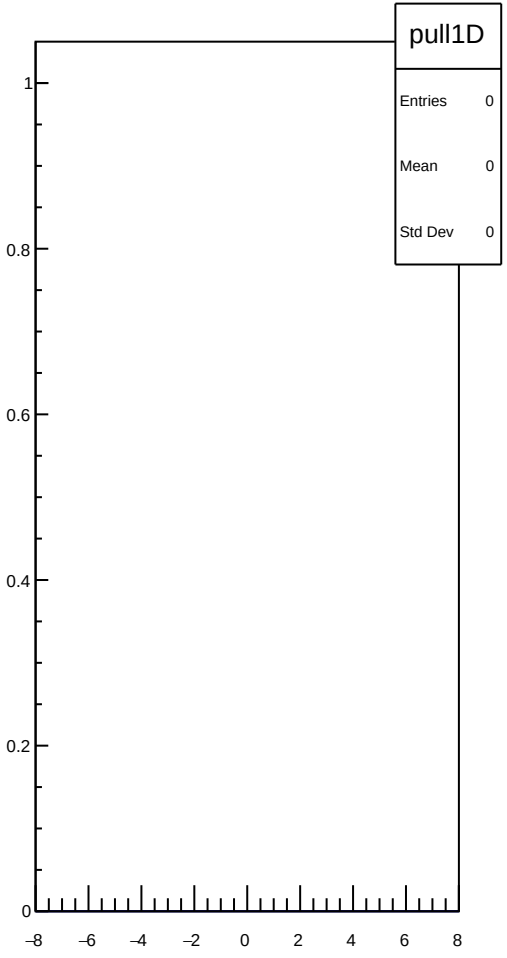
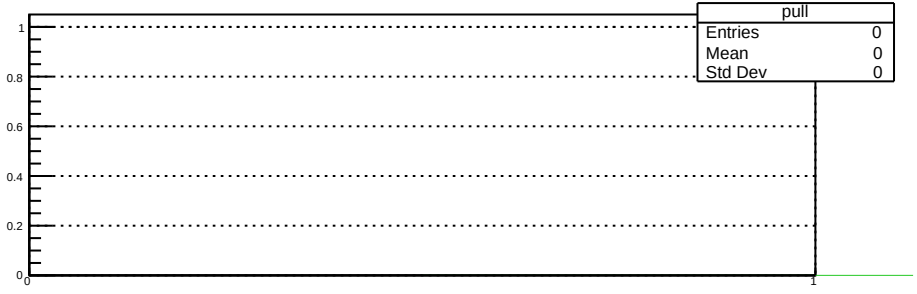
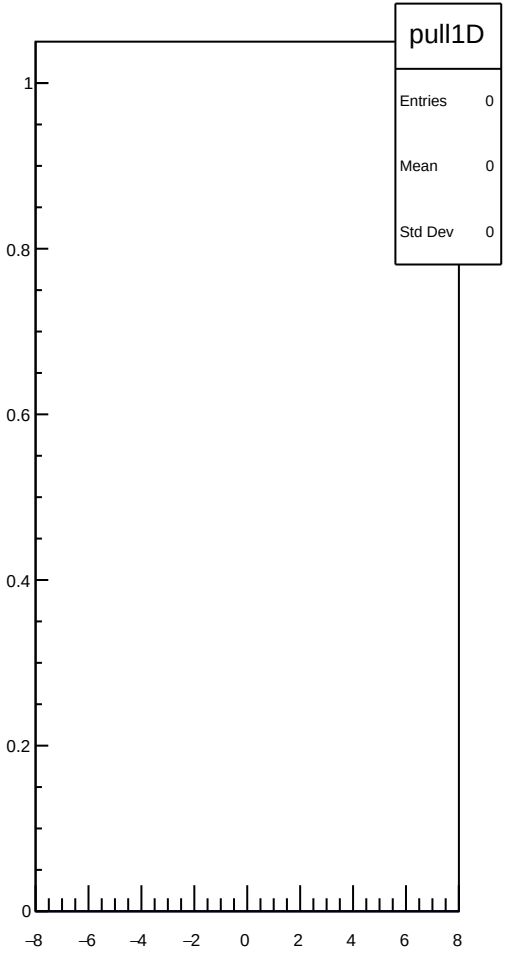
0.2
0
0
1

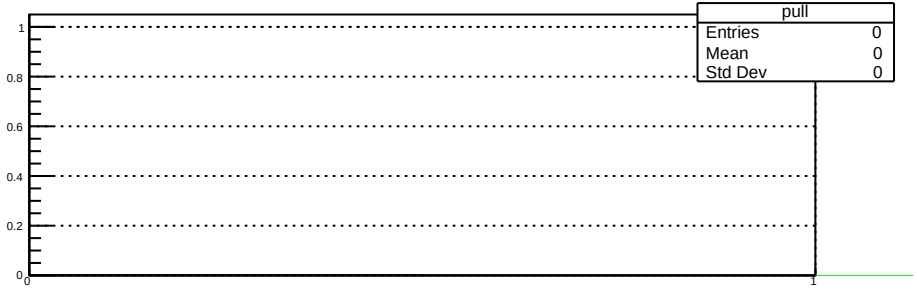

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

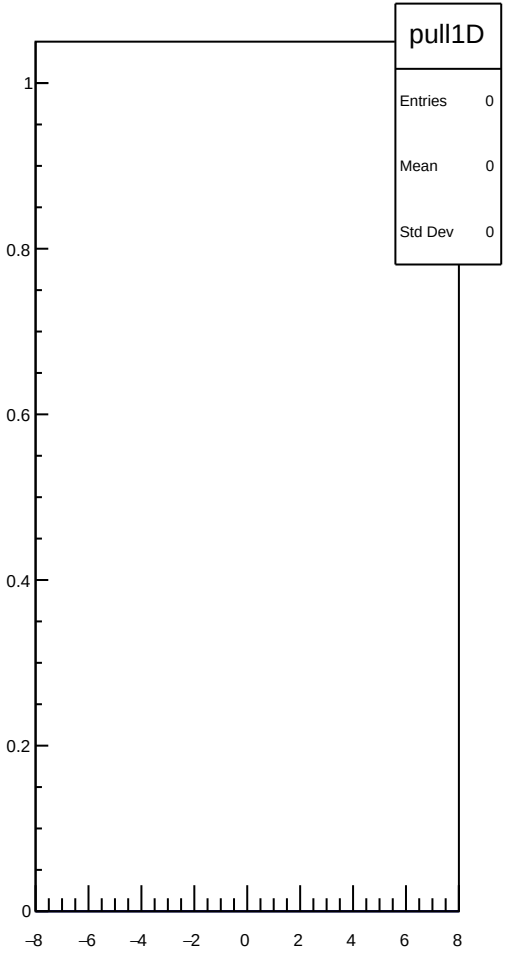

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

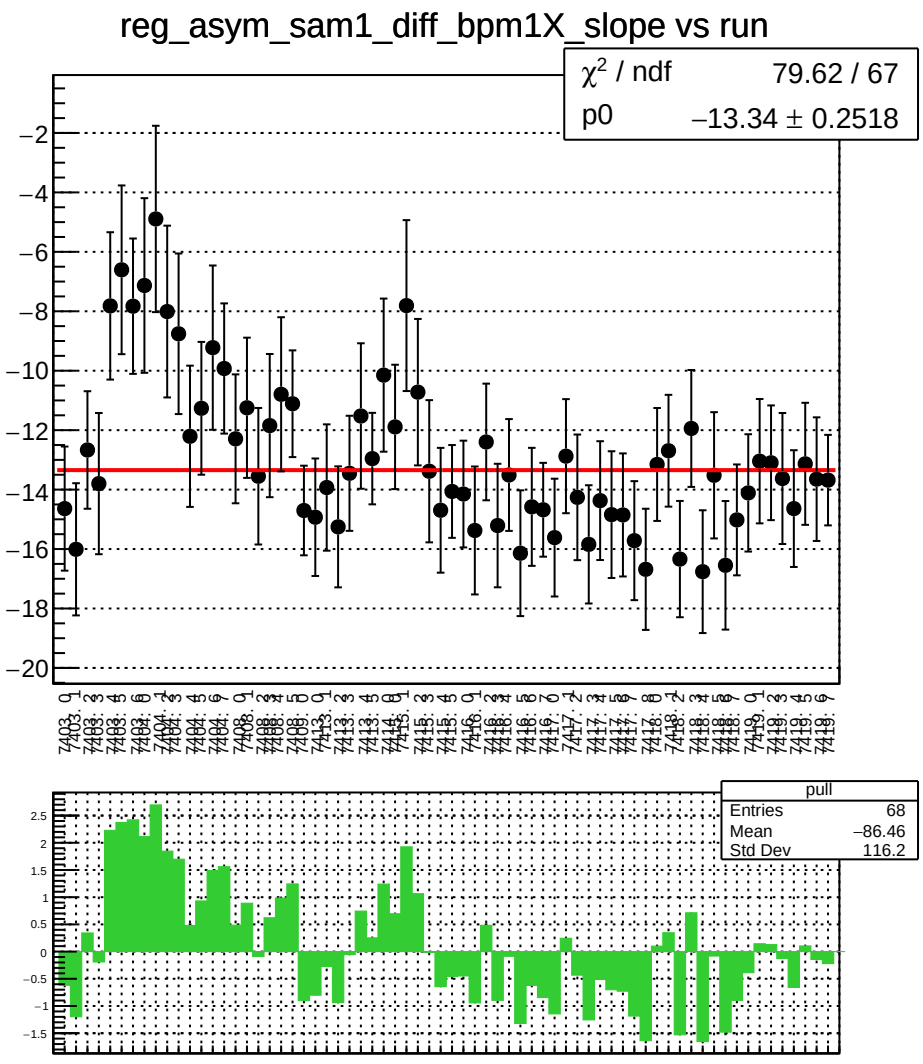

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

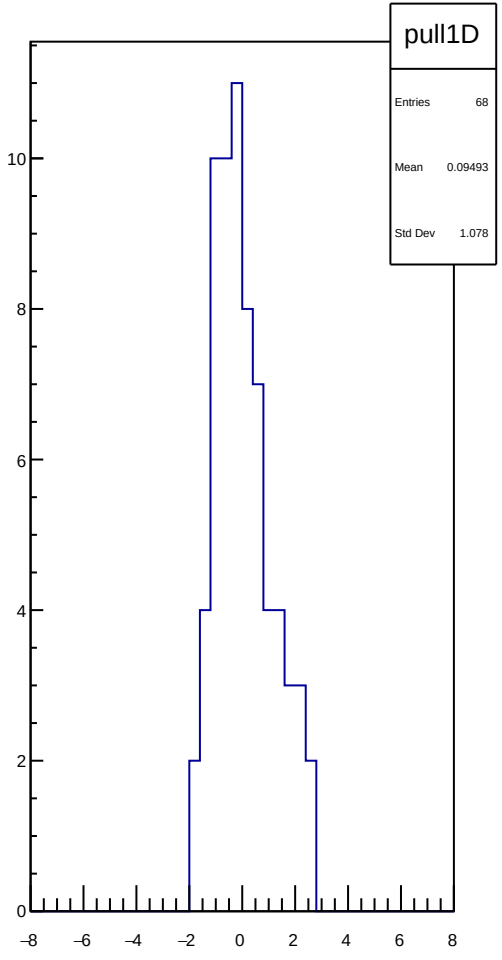

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

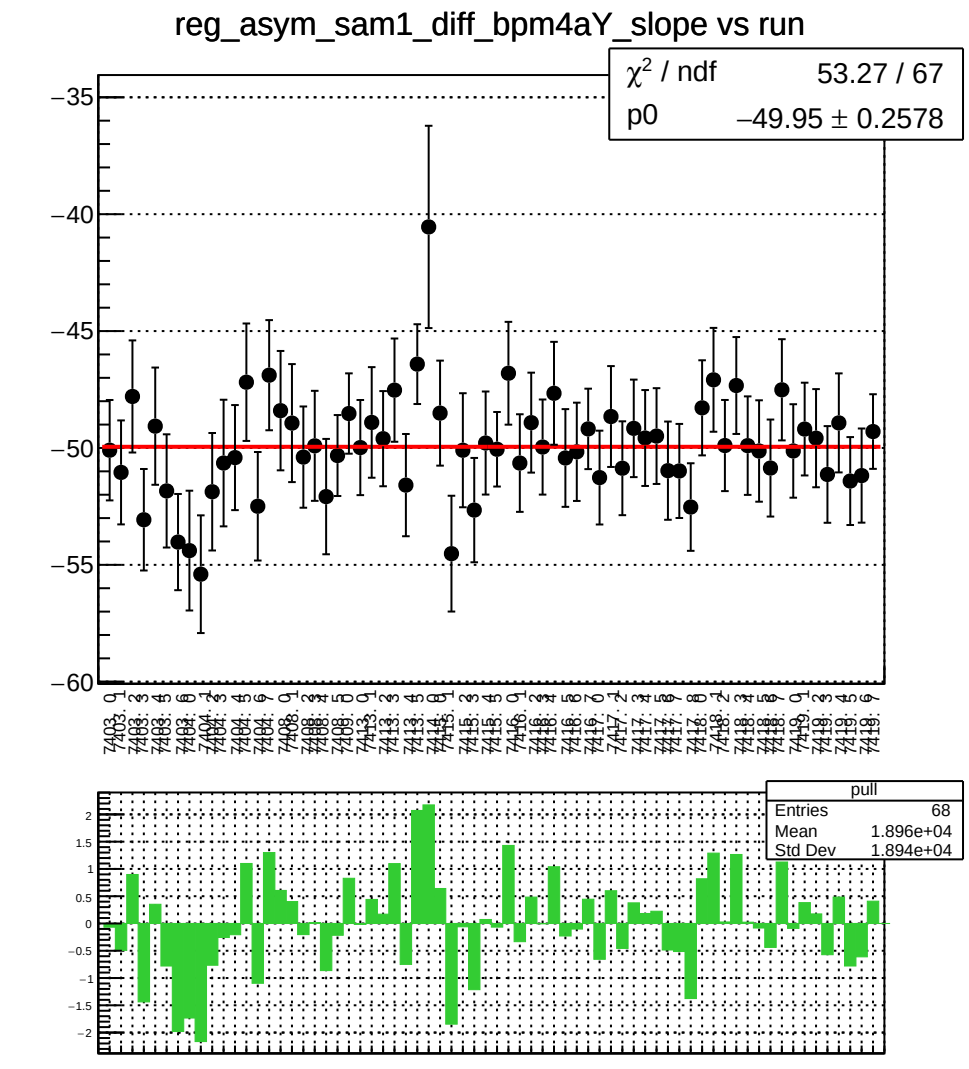

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

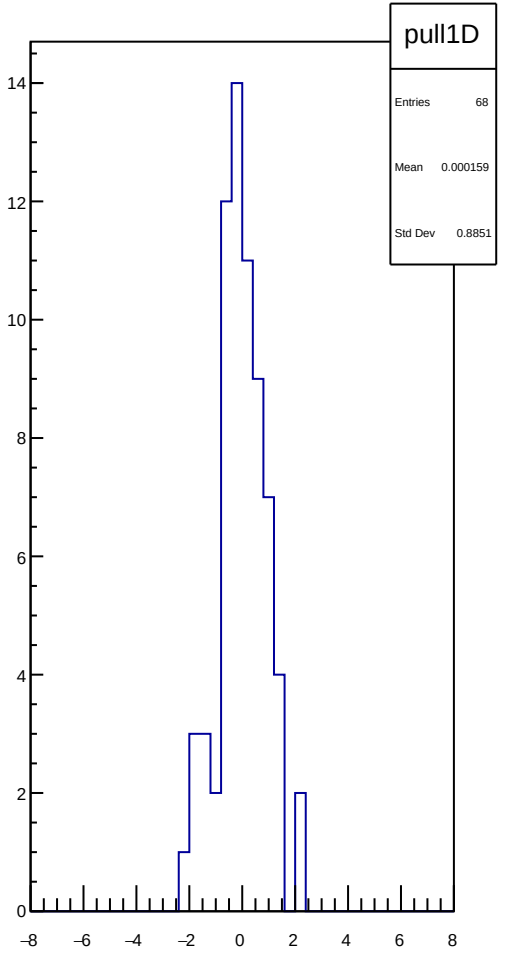

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

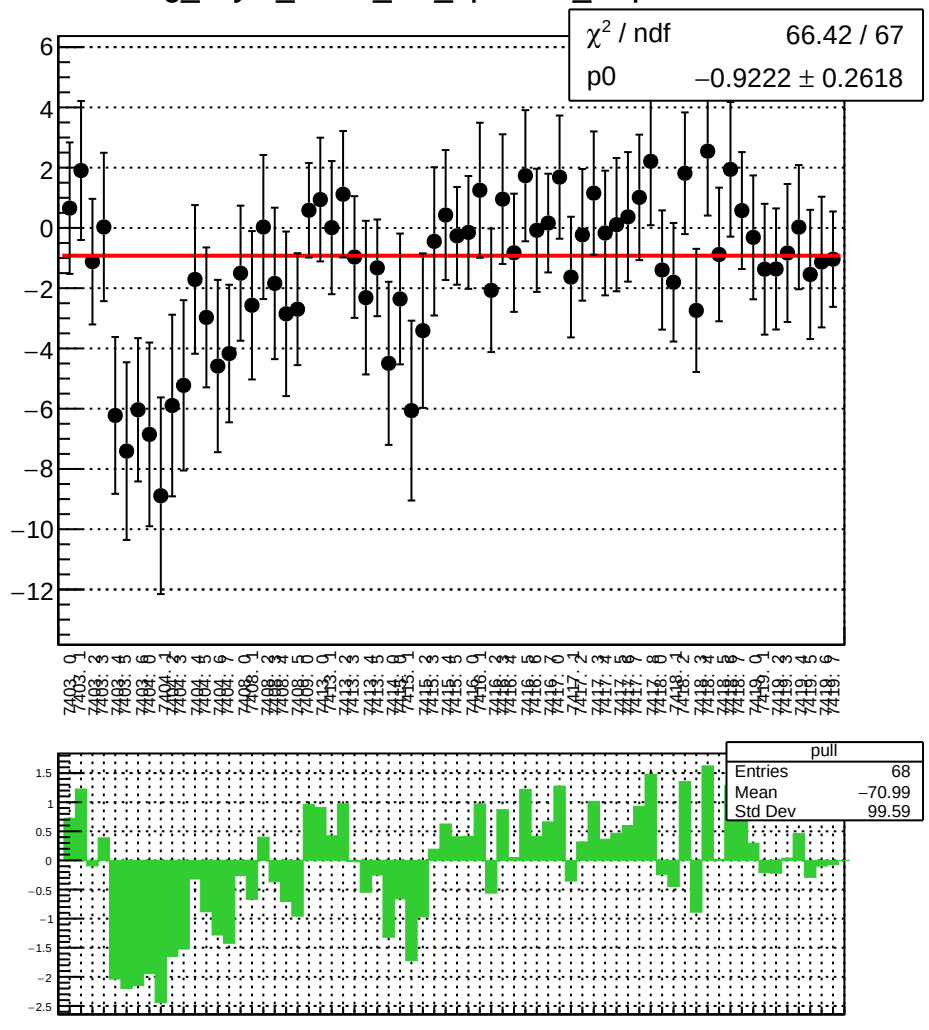

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

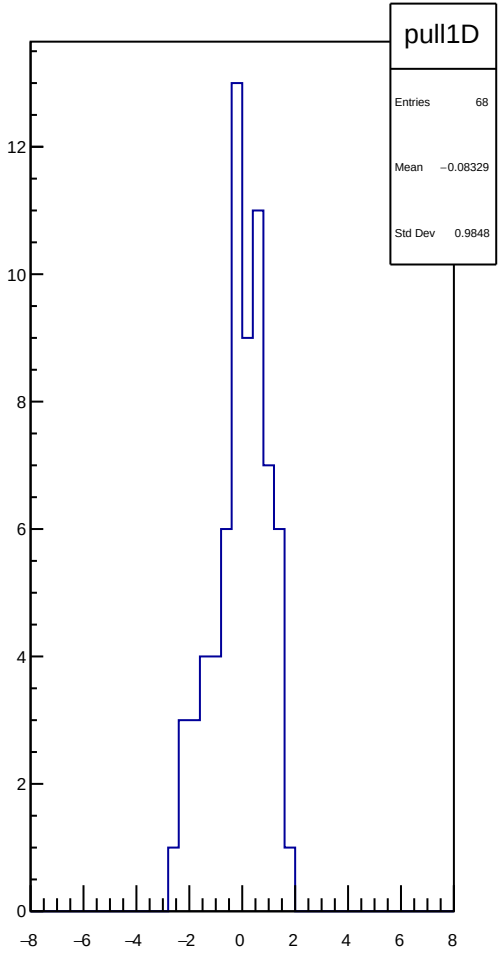

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 79.62 / 67
p0 −13.34 ± 0.2518
pull
Entries 68
Mean −86.46
Std Dev 116.2

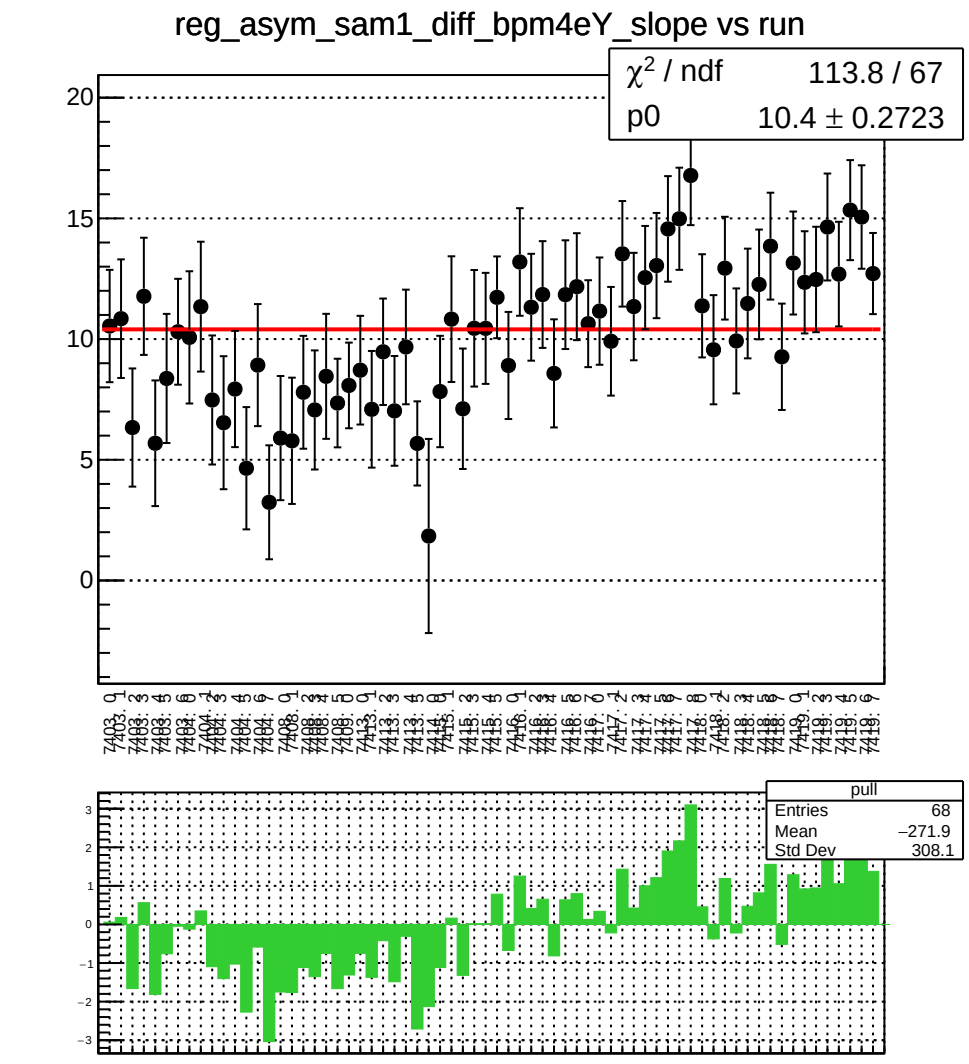

pull1D
Entries 68
Mean 0.09493
Std Dev 1.078

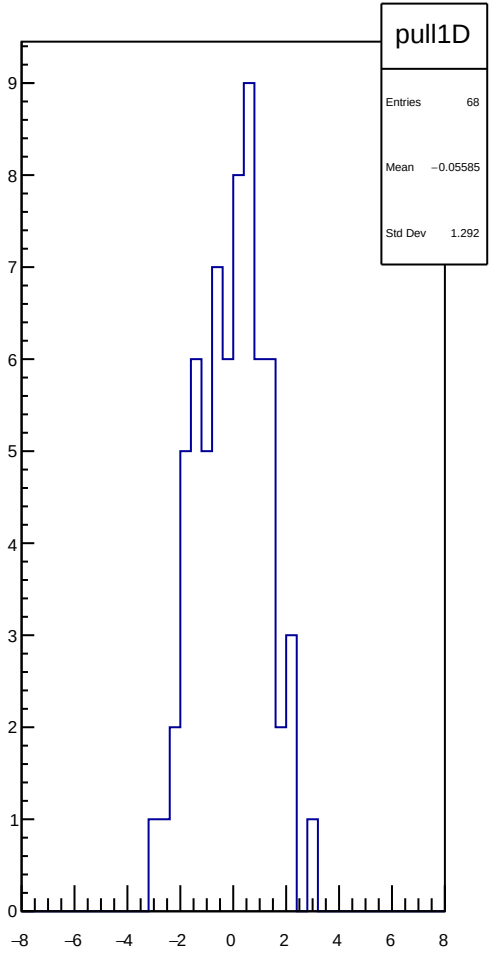

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 53.27 / 67
p0 −49.95 ± 0.2578
pull
Entries 68
Mean 1.896e+04
Std Dev 1.894e+04

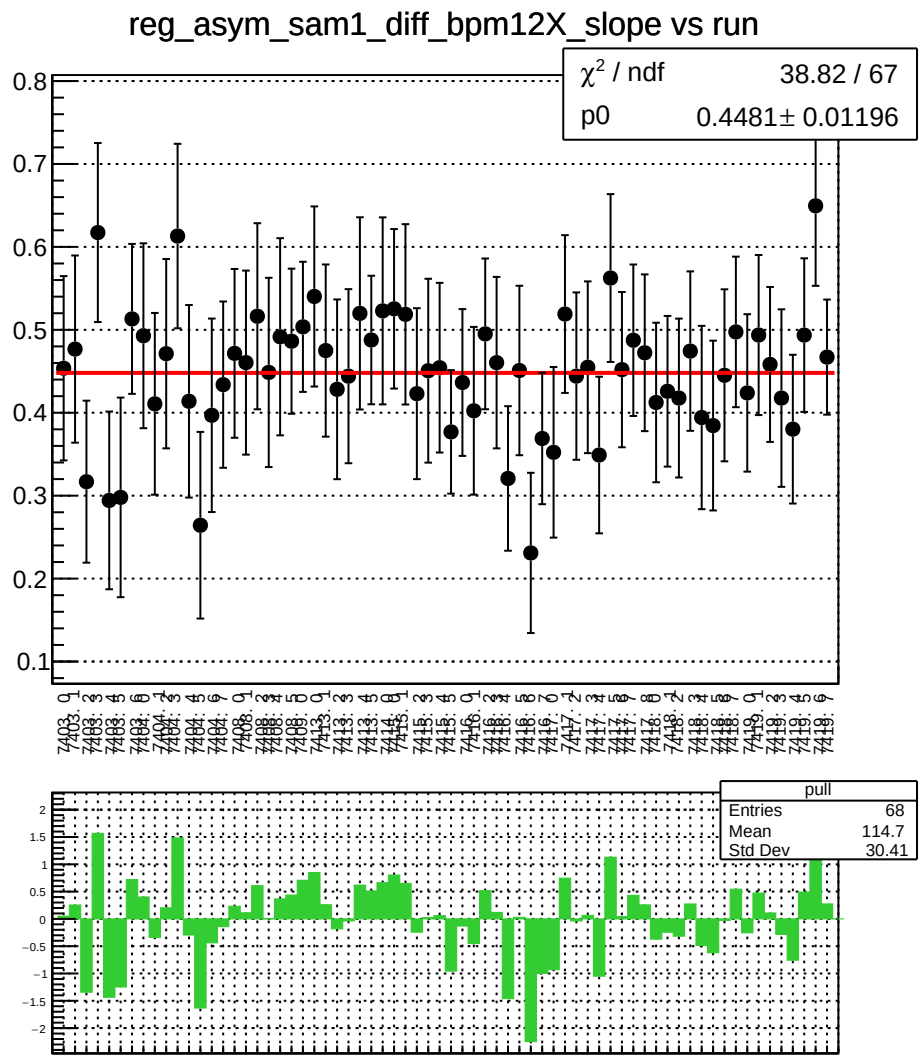

pull1D
Entries 68
Mean 0.000159
Std Dev 0.8851

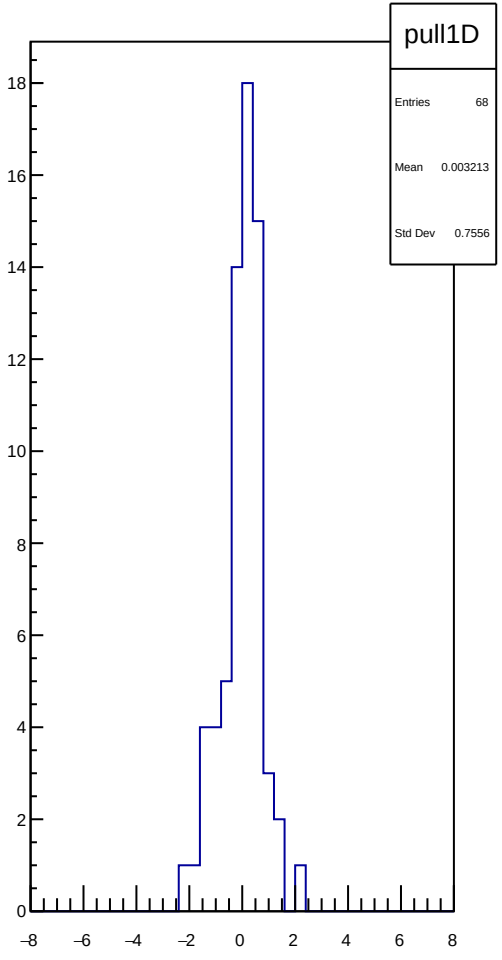

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 66.42 / 67
p0 −0.9222 ± 0.2618
pull
Entries 68
Mean −70.99
Std Dev 99.59

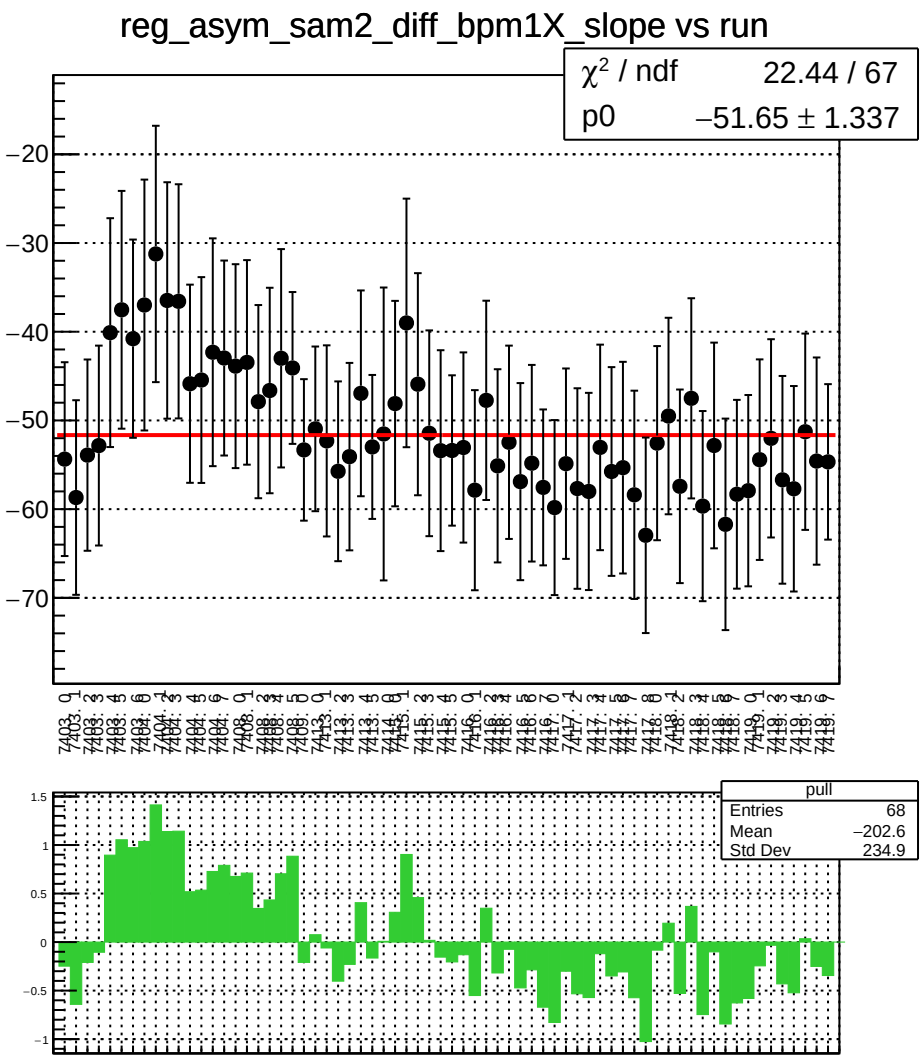

pull1D
Entries 68
Mean −0.08329
Std Dev 0.9848

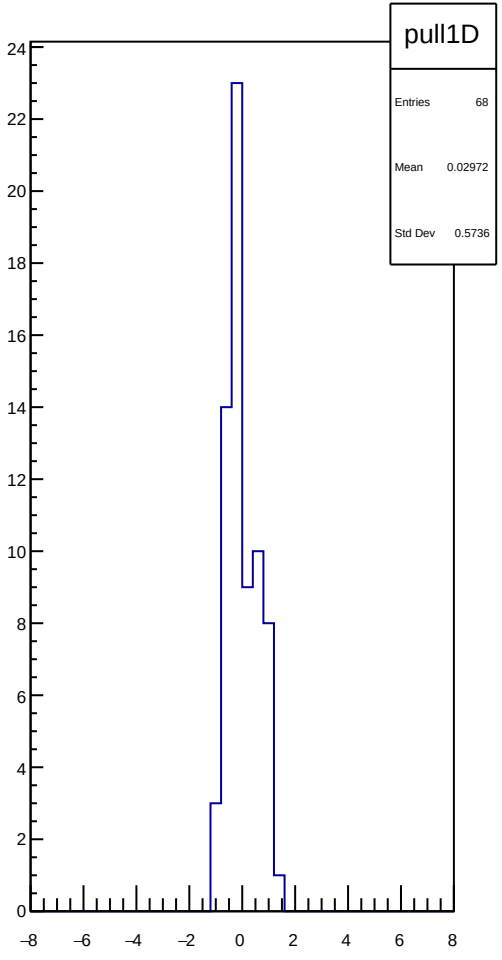

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 113.8 / 67
p0 10.4 ± 0.2723
pull
Entries 68
Mean −271.9
Std Dev 308.1

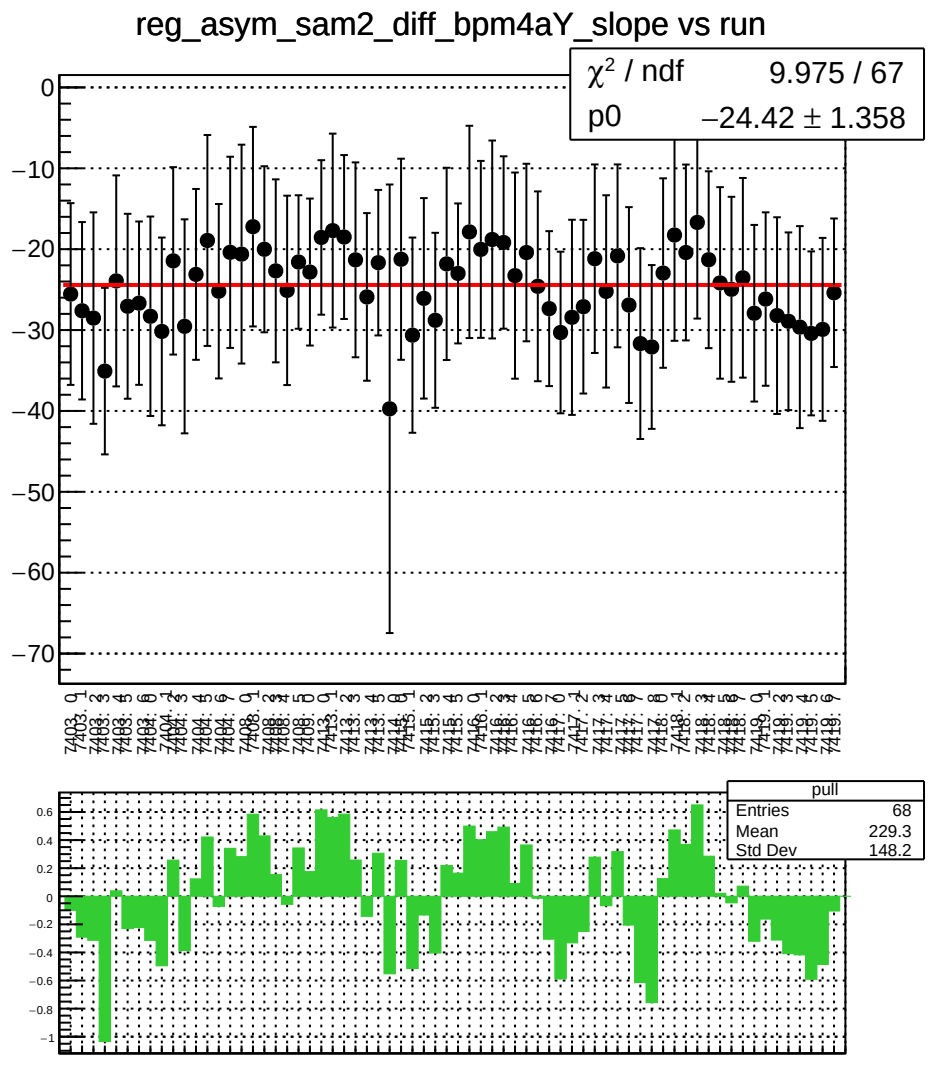

pull1D
Entries 68
Mean −0.05585
Std Dev 1.292

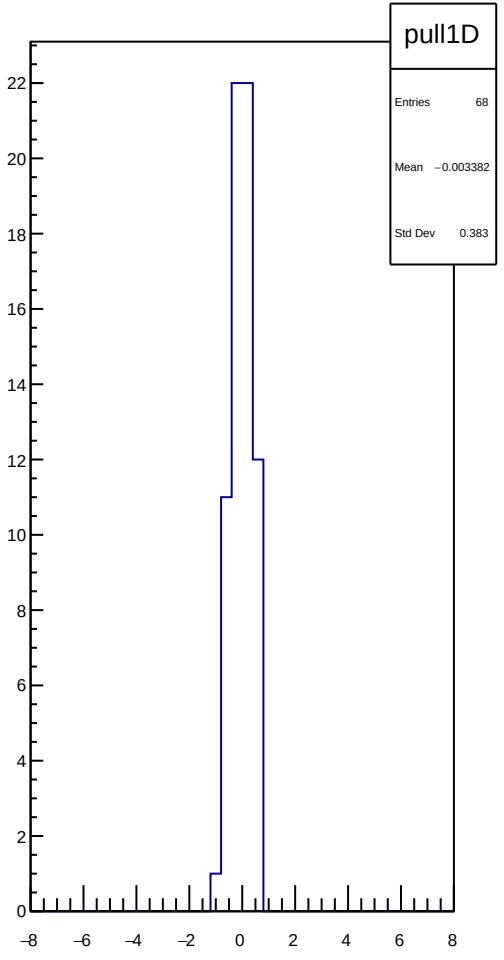

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 38.82 / 67
p0 0.4481± 0.01196
pull
Entries 68
Mean 114.7
Std Dev 30.41

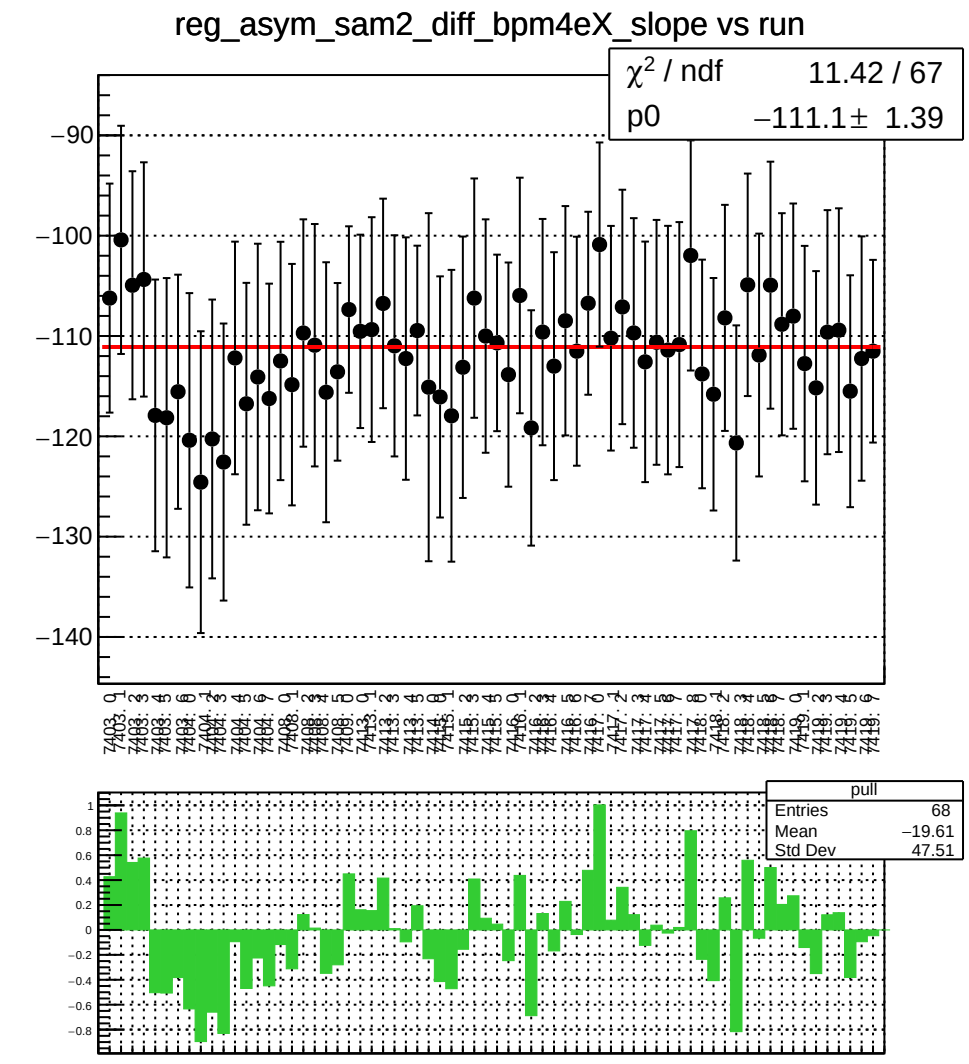

pull1D
Entries 68
Mean 0.003213
Std Dev 0.7556

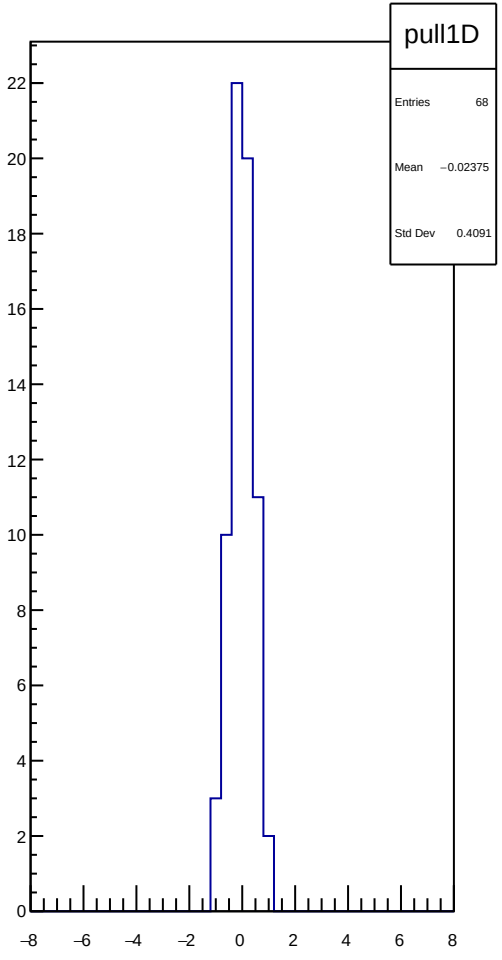

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 22.44 / 67
p0 −51.65 ± 1.337
pull
Entries 68
Mean −202.6
Std Dev 234.9

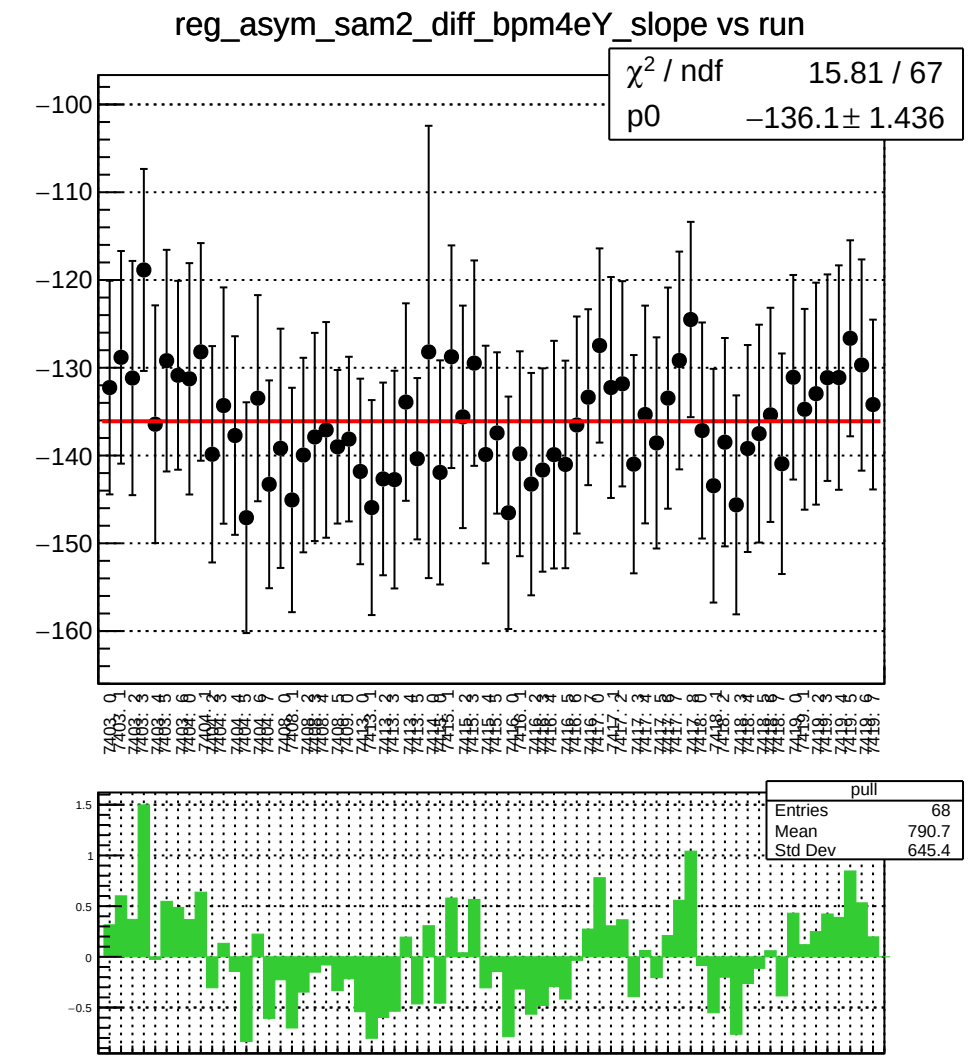

pull1D
Entries 68
Mean 0.02972
Std Dev 0.5736

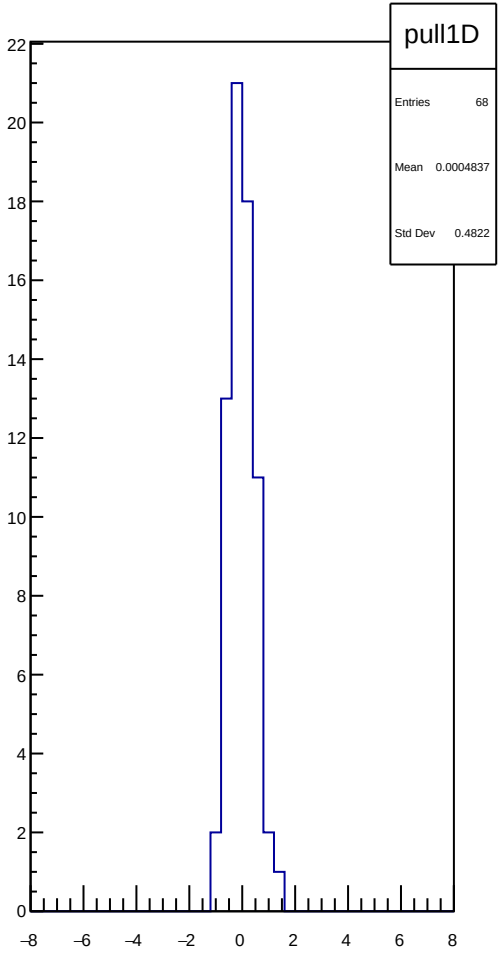

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 9.975 / 67
p0 −24.42 ± 1.358
pull
Entries 68
Mean 229.3
Std Dev 148.2

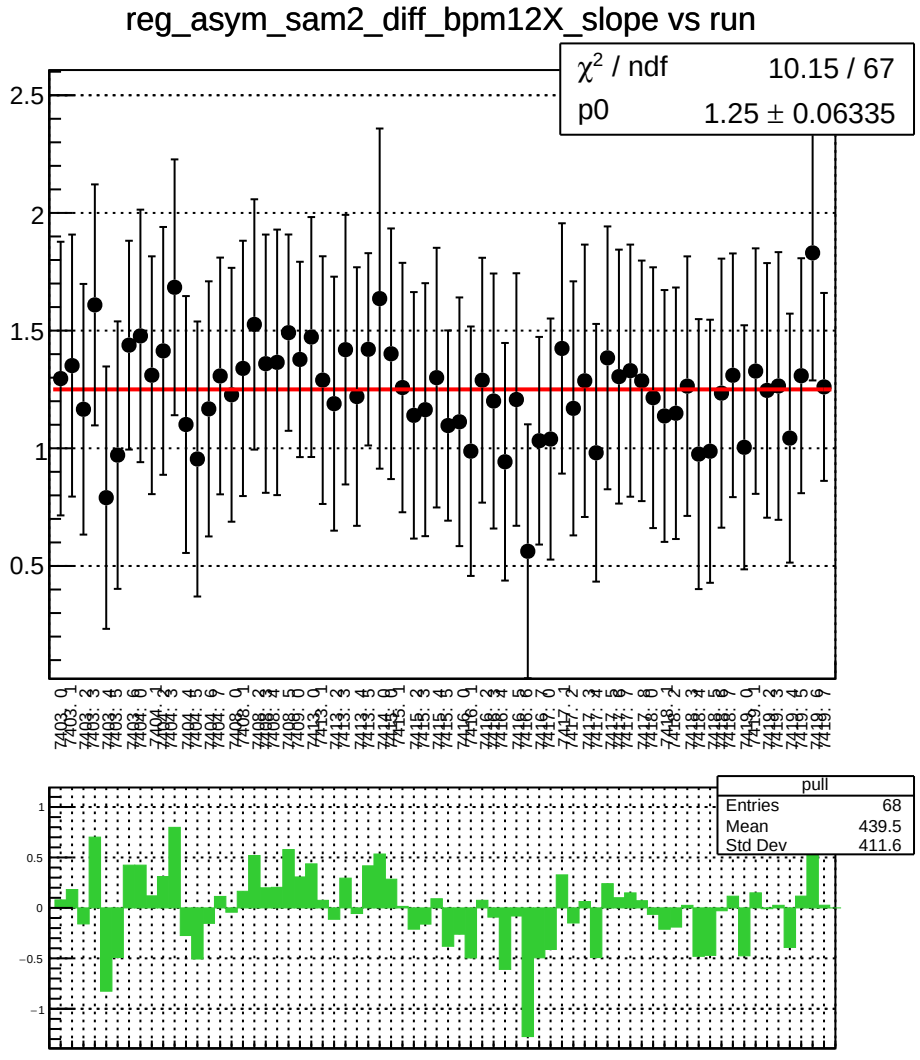

pull1D
Entries 68
Mean −0.003382
Std Dev 0.383

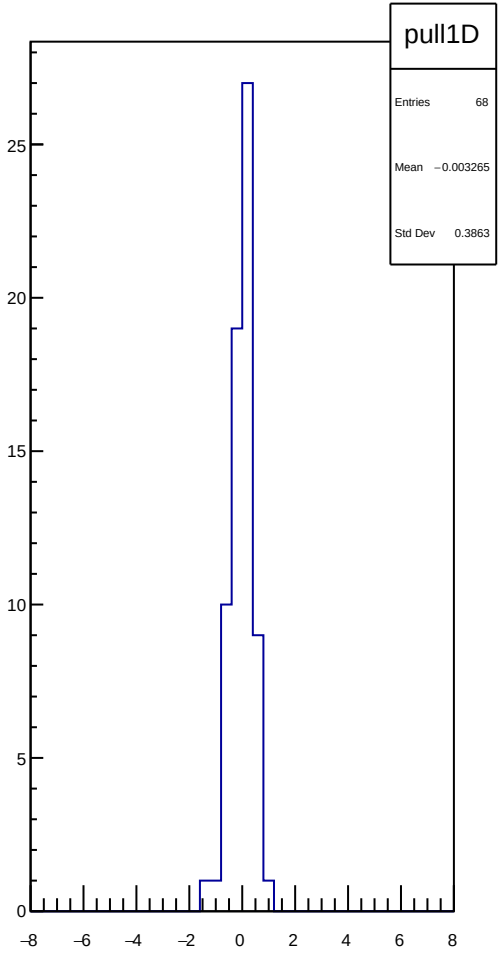

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 11.42 / 67
p0 −111.1± 1.39
−90
−100
−110
−120
−130
−140
pull
Entries 68
Mean −19.61
Std Dev 47.51
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

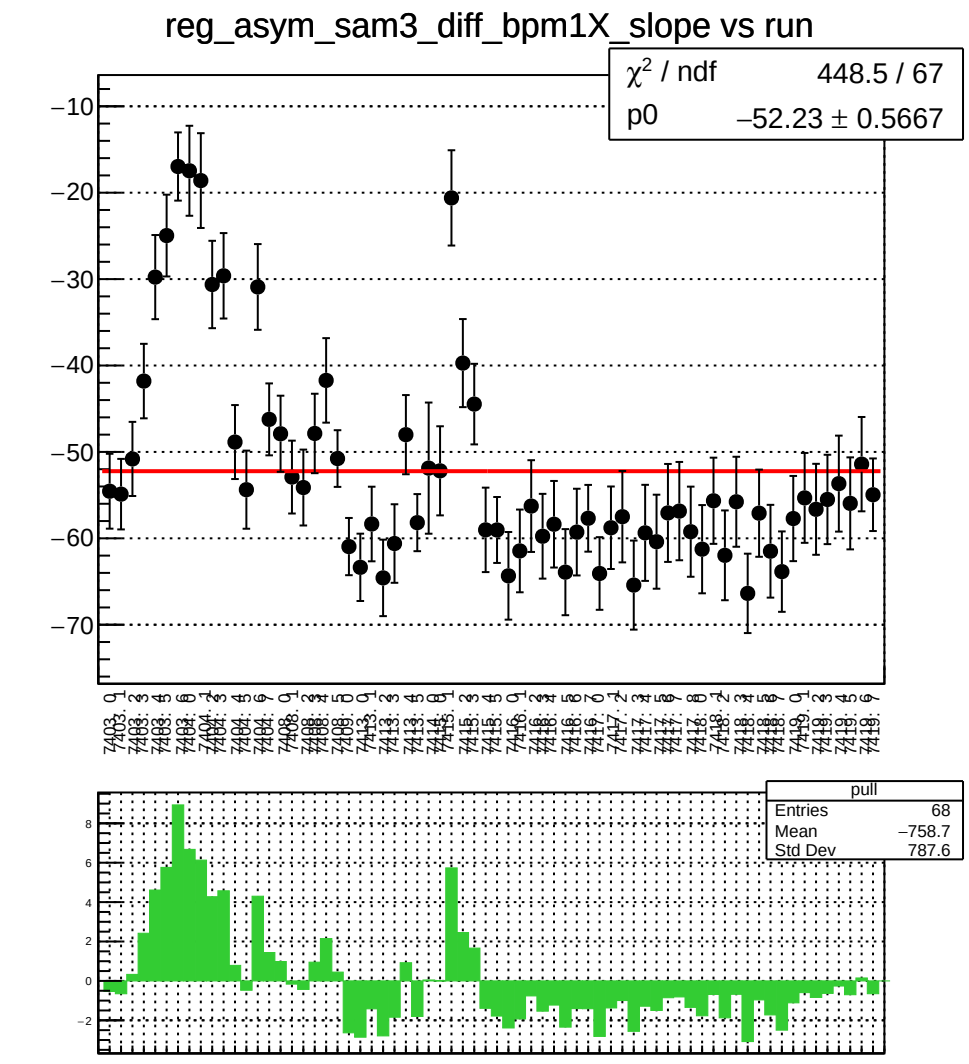

pull1D
Entries 68
Mean −0.02375
Std Dev 0.4091
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

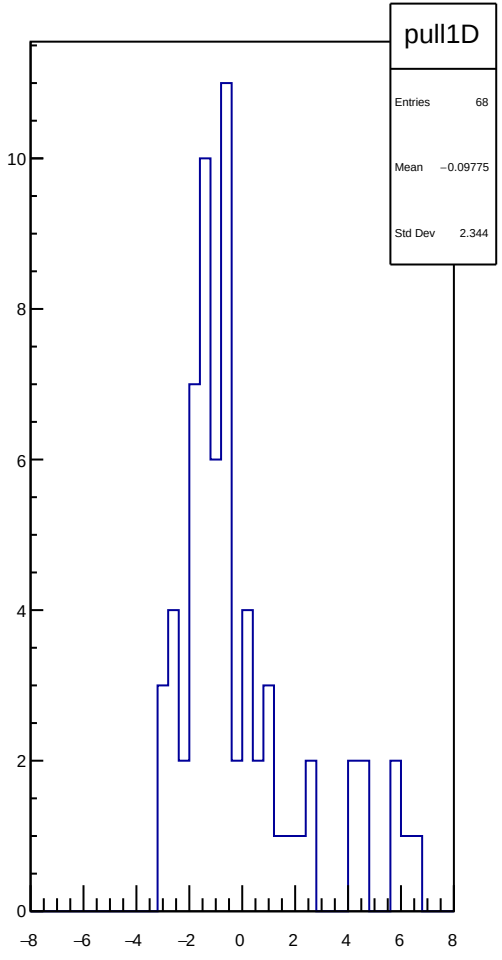

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 15.81 / 67
p0 −136.1± 1.436
pull
Entries 68
Mean 790.7
Std Dev 645.4

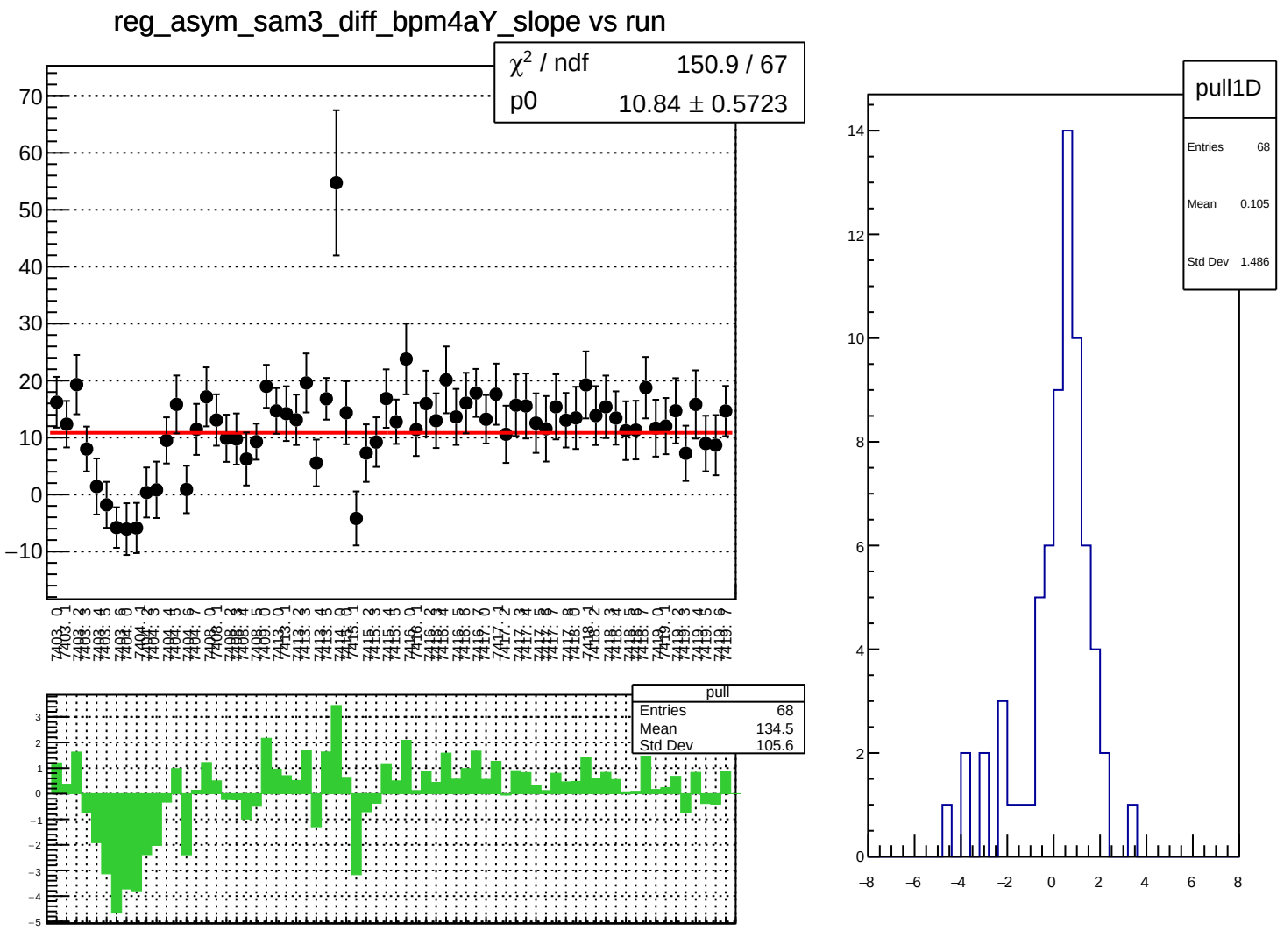

pull1D
Entries 68
Mean 0.0004837
Std Dev 0.4822

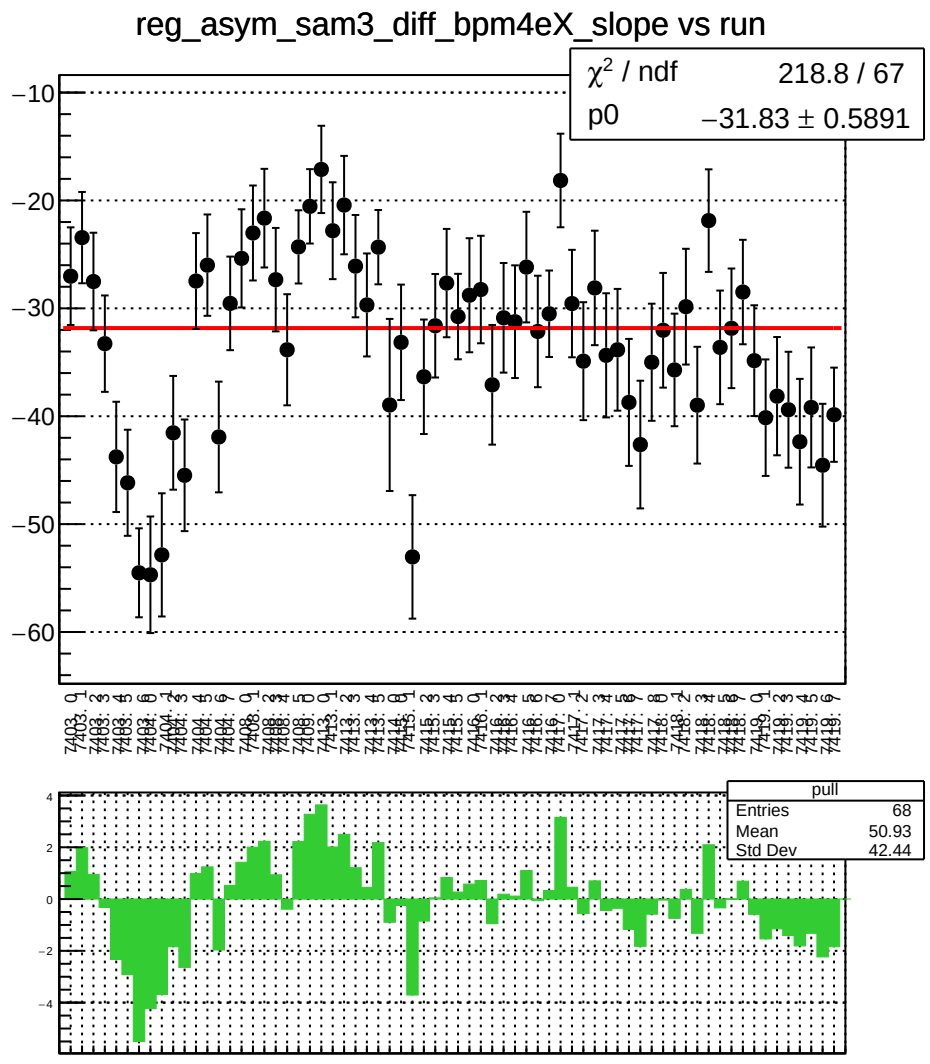

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 10.15 / 67
p0 1.25 ± 0.06335
pull
Entries 68
Mean 439.5
Std Dev 411.6

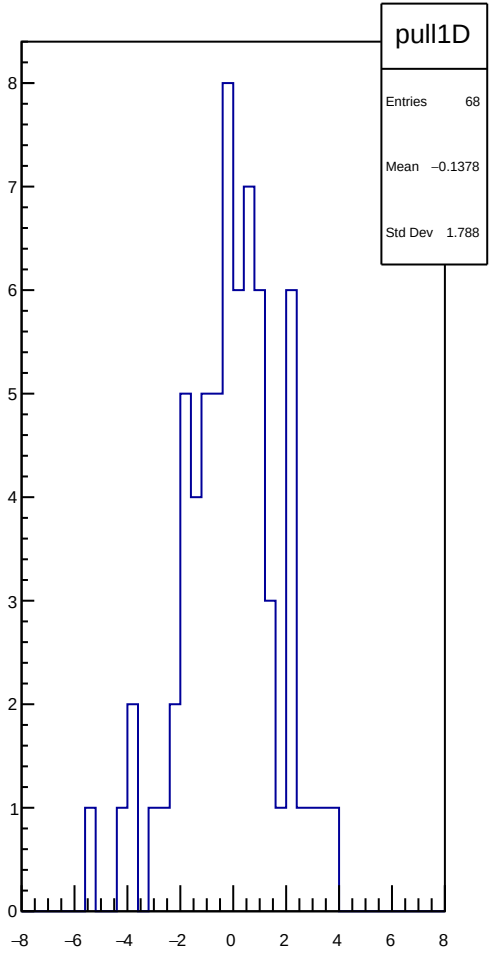

pull1D
Entries 68
Mean −0.003265
Std Dev 0.3863

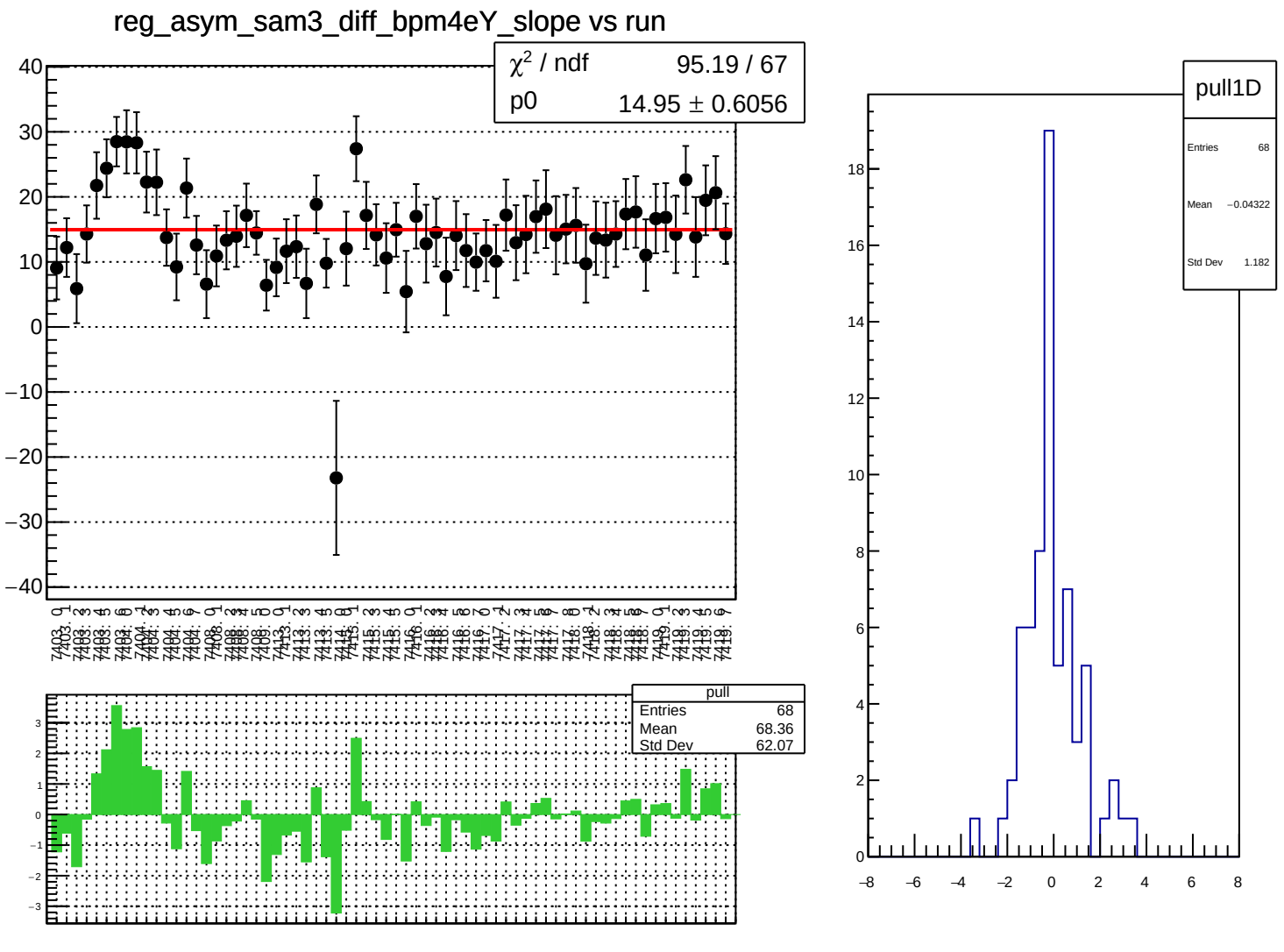

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 448.5 / 67
p0 −52.23 ± 0.5667
pull
Entries 68
Mean −758.7
Std Dev 787.6

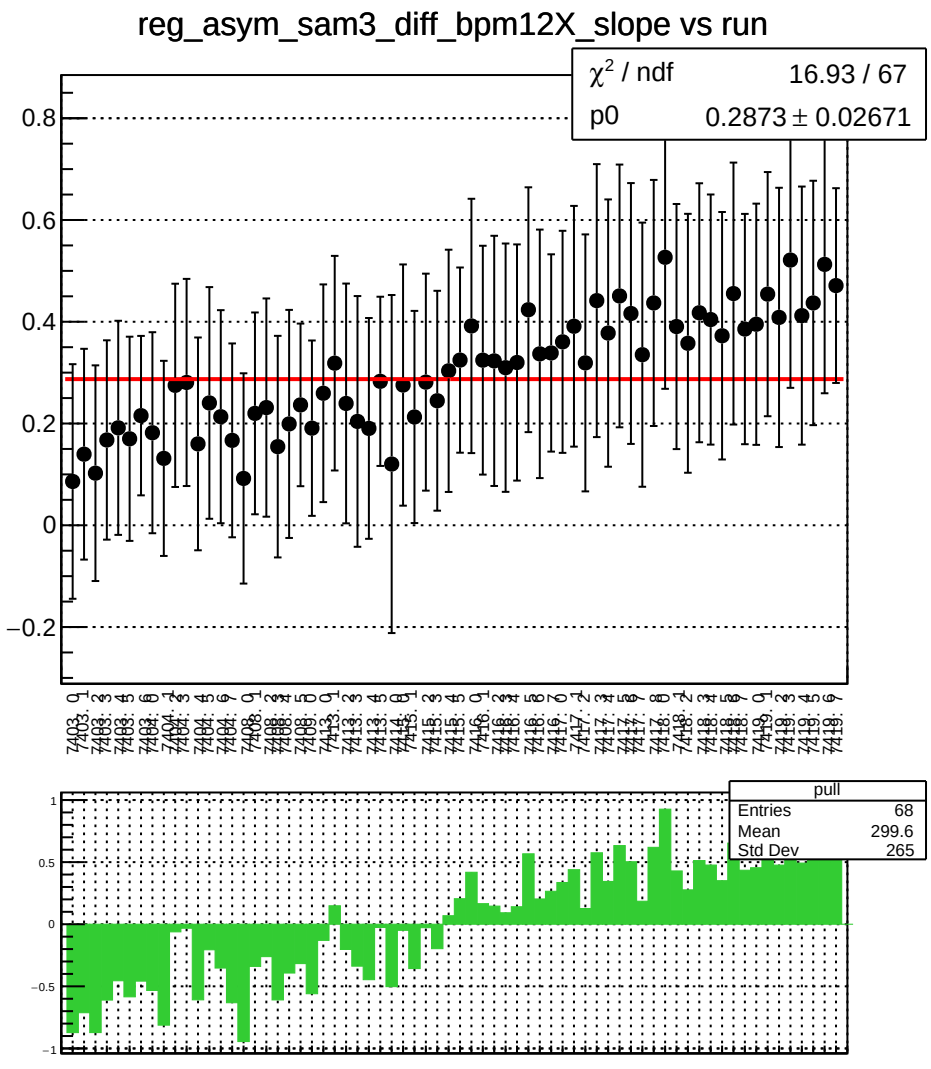

pull1D
Entries 68
Mean −0.09775
Std Dev 2.344

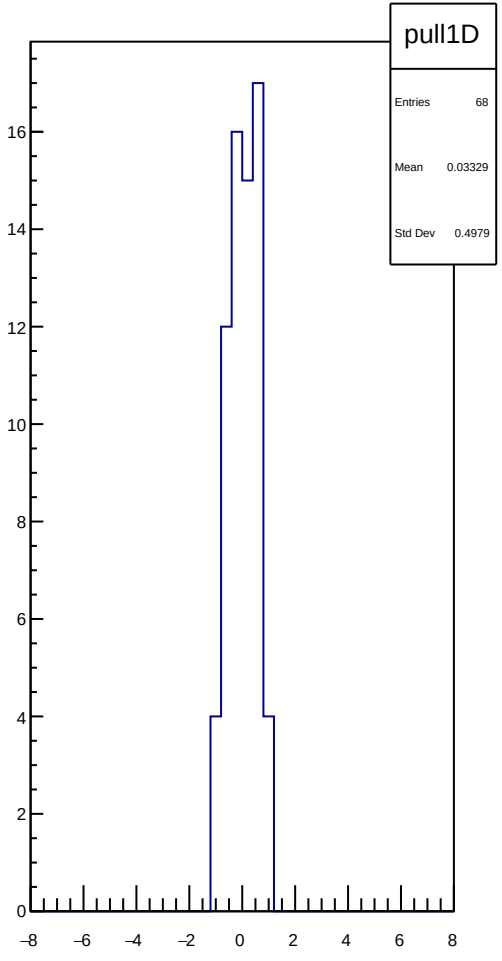

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 150.9 / 67
p0 10.84 ± 0.5723
pull
Entries 68
Mean 134.5
Std Dev 105.6
pull1D
Entries 68
Mean 0.105
Std Dev 1.486

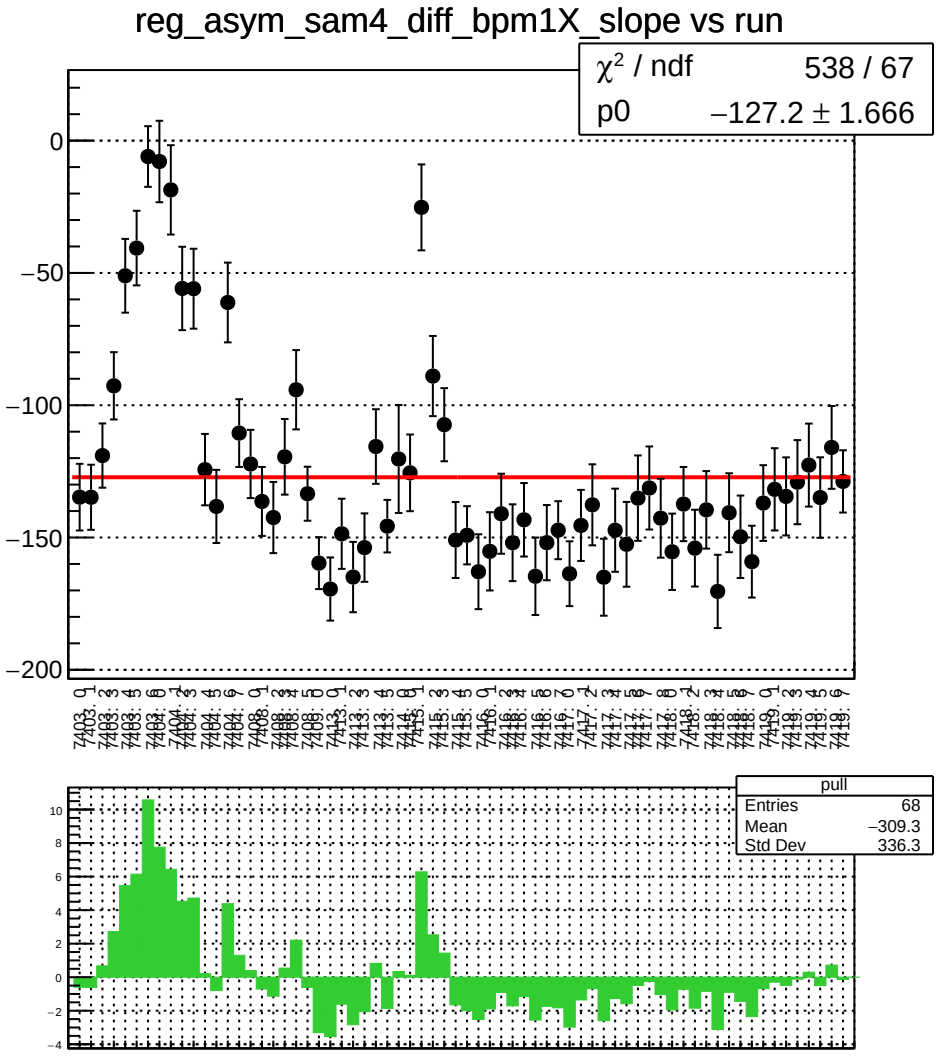

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 218.8 / 67
p0 −31.83 ± 0.5891
pull
Entries 68
Mean 50.93
Std Dev 42.44

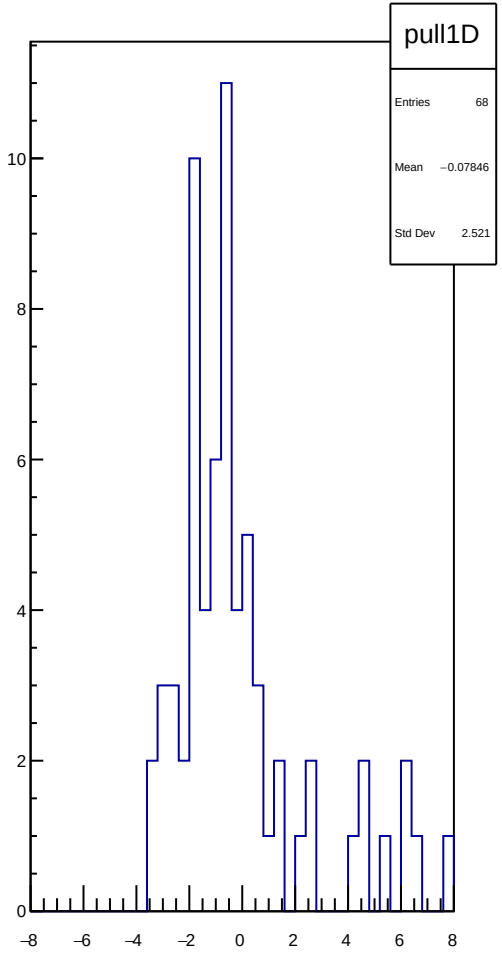

pull1D
Entries 68
Mean −0.1378
Std Dev 1.788

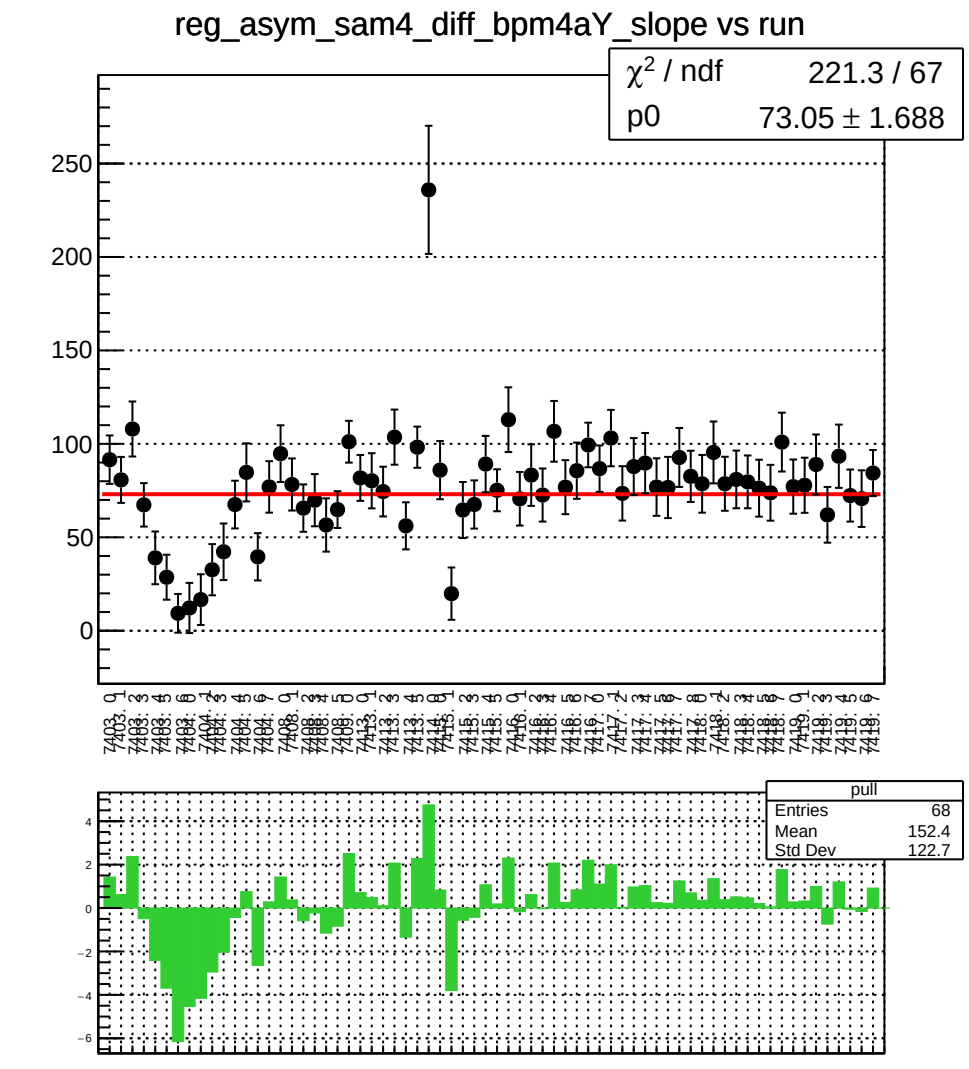

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 95.19 / 67
p0 14.95 ± 0.6056
pull
Entries 68
Mean 68.36
Std Dev 62.07
pull1D
Entries 68
Mean −0.04322
Std Dev 1.182

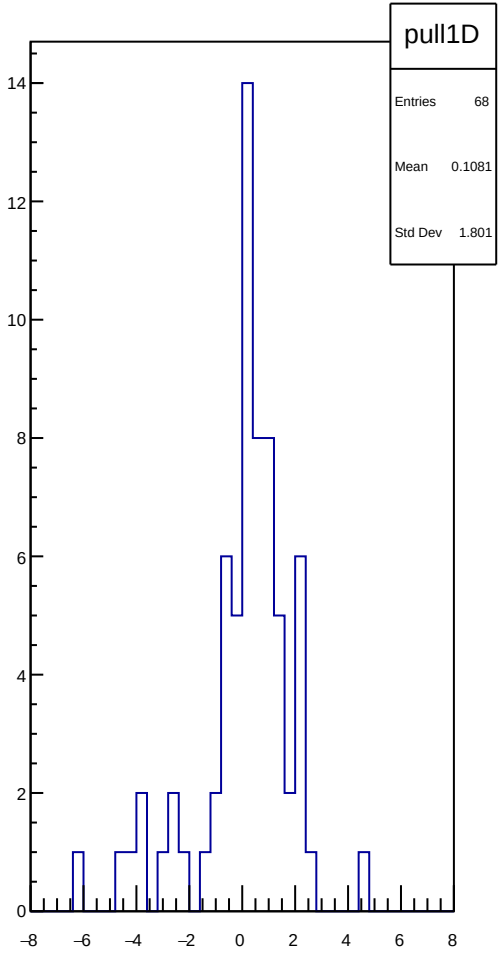

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 16.93 / 67
p0 0.2873 ± 0.02671
pull
Entries 68
Mean 299.6
Std Dev 265

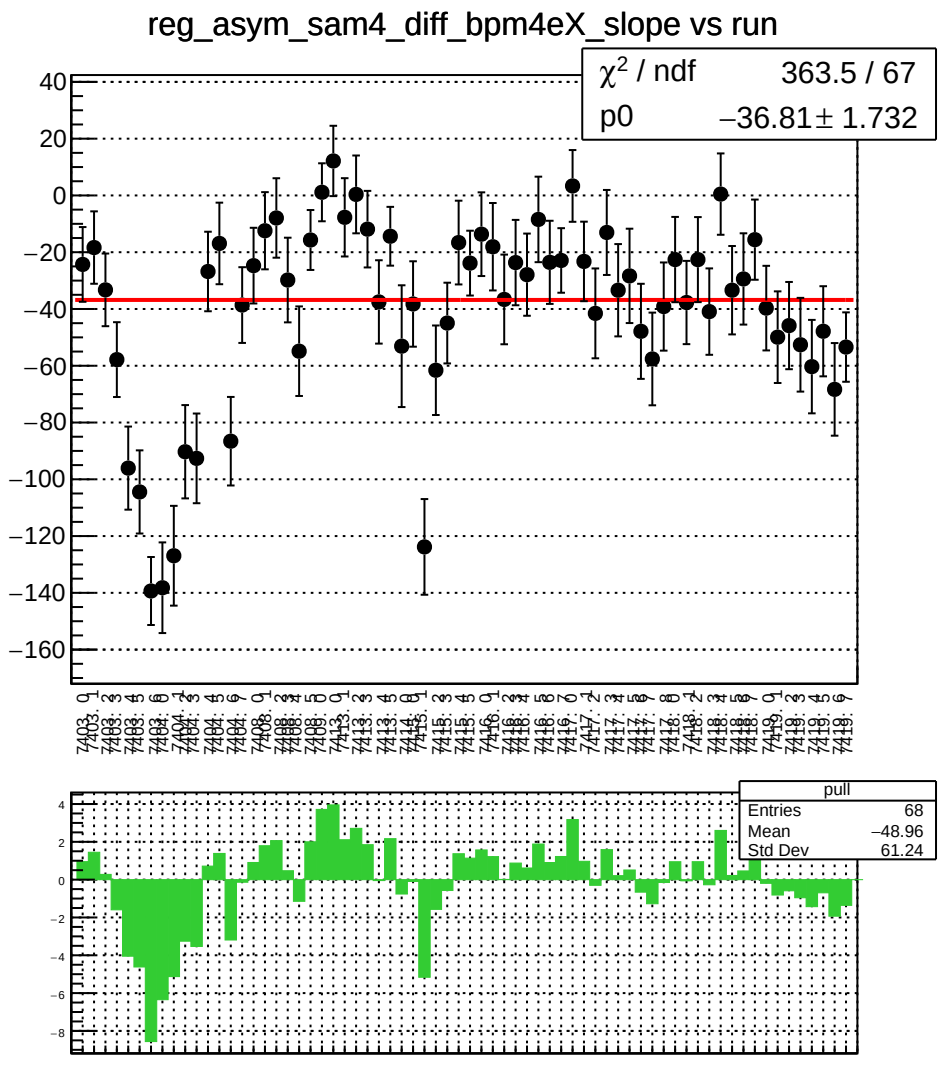

pull1D
Entries 68
Mean 0.03329
Std Dev 0.4979

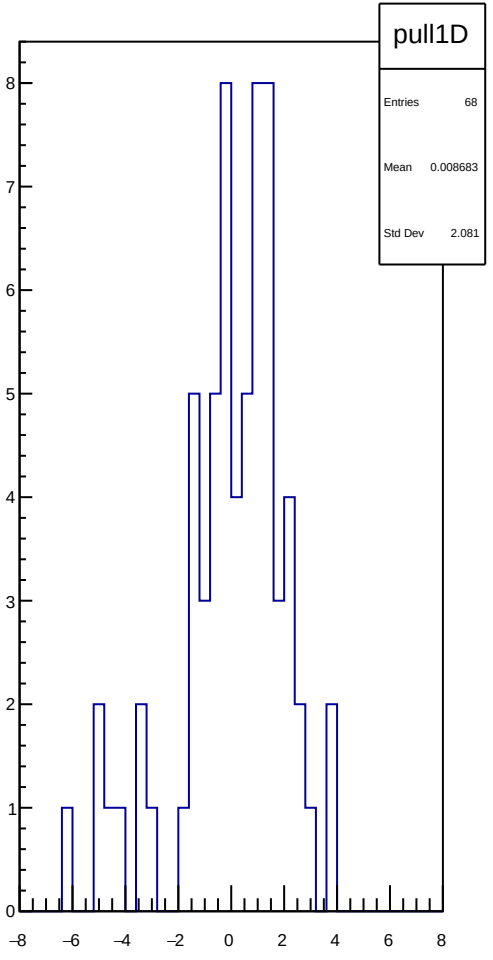

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 538 / 67
p0 −127.2 ± 1.666
pull
Entries 68
Mean −309.3
Std Dev 336.3

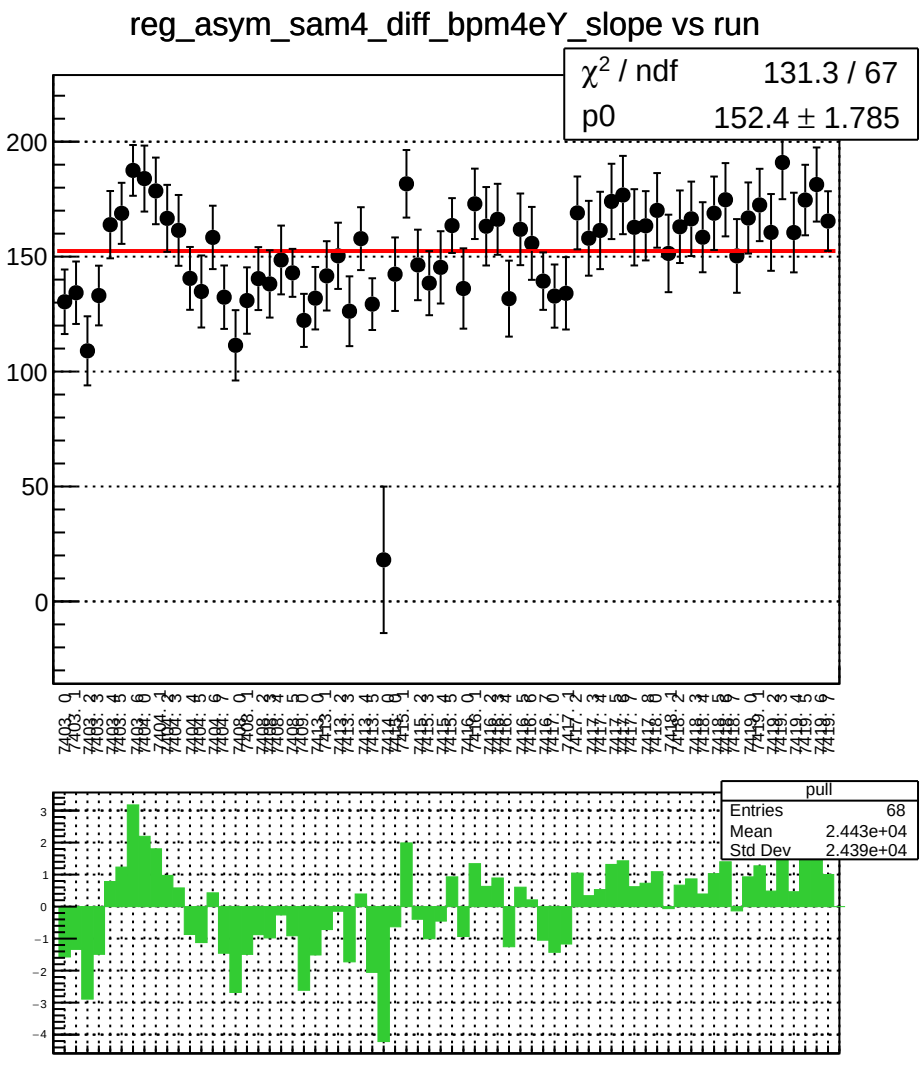

pull1D
Entries 68
Mean −0.07846
Std Dev 2.521

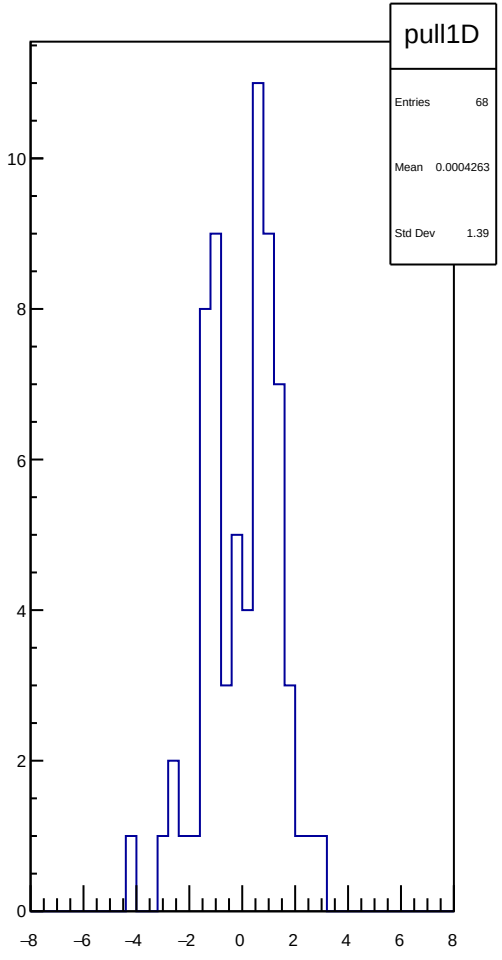

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 221.3 / 67
p0 73.05 ± 1.688
pull
Entries 68
Mean 152.4
Std Dev 122.7

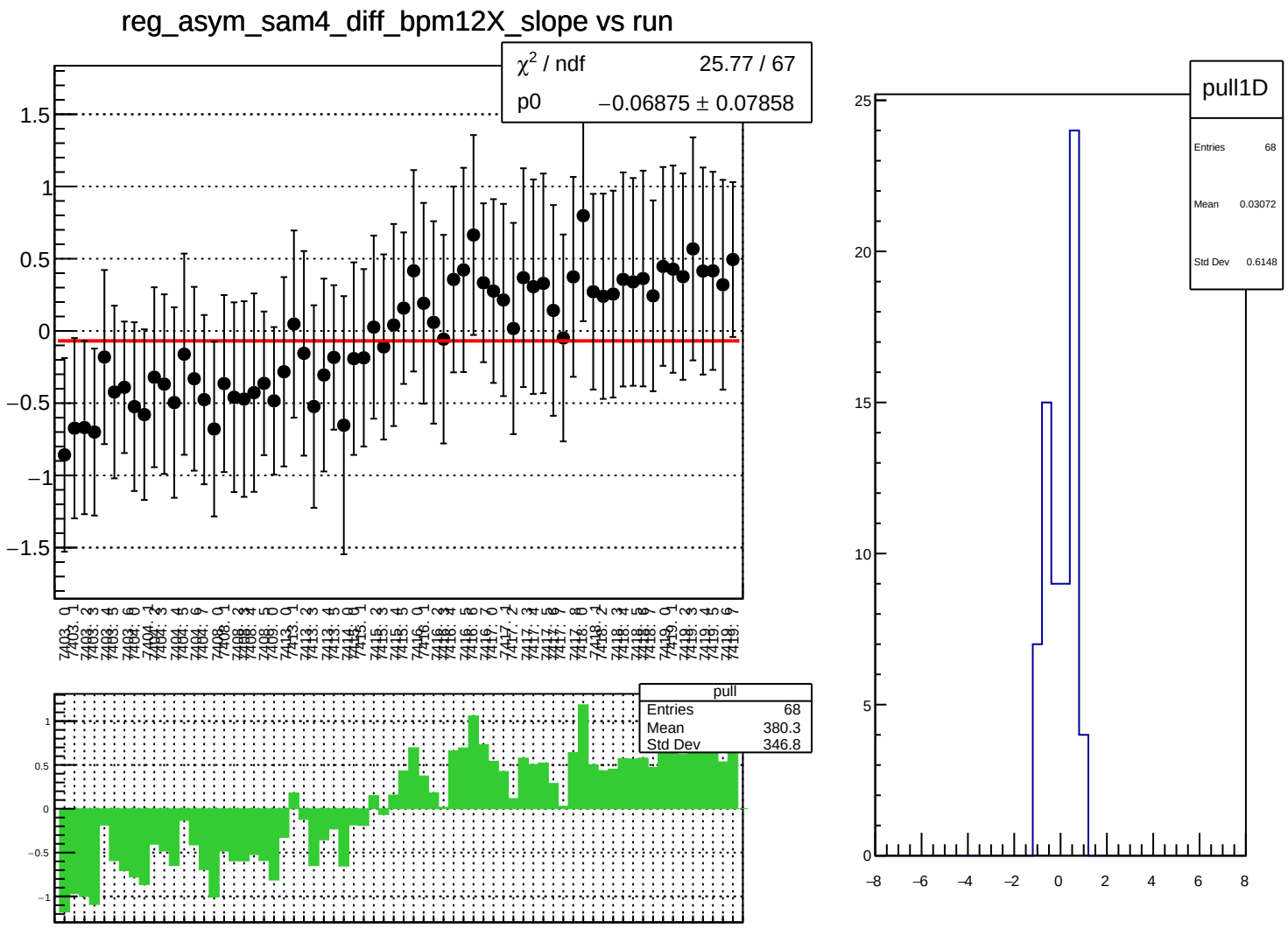

pull1D
Entries 68
Mean 0.1081
Std Dev 1.801

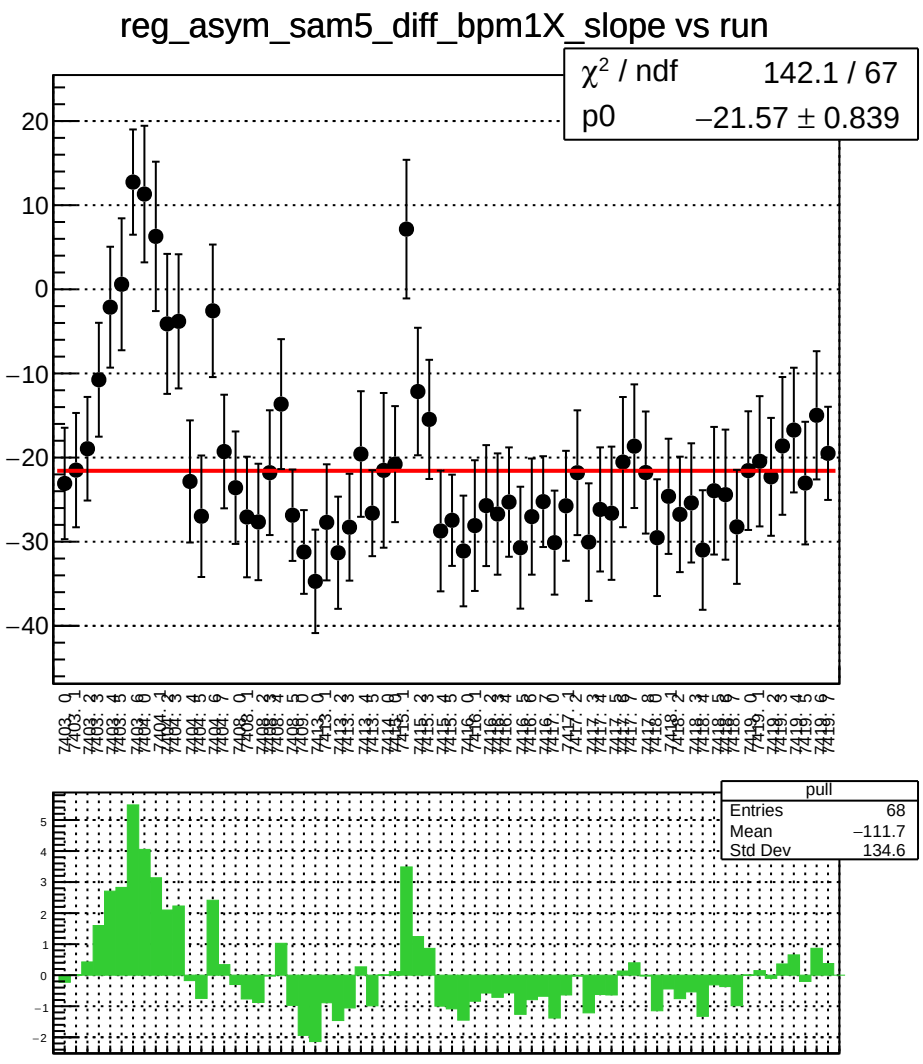

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 363.5 / 67
p0 −36.81 ± 1.732
pull
Entries 68
Mean −48.96
Std Dev 61.24

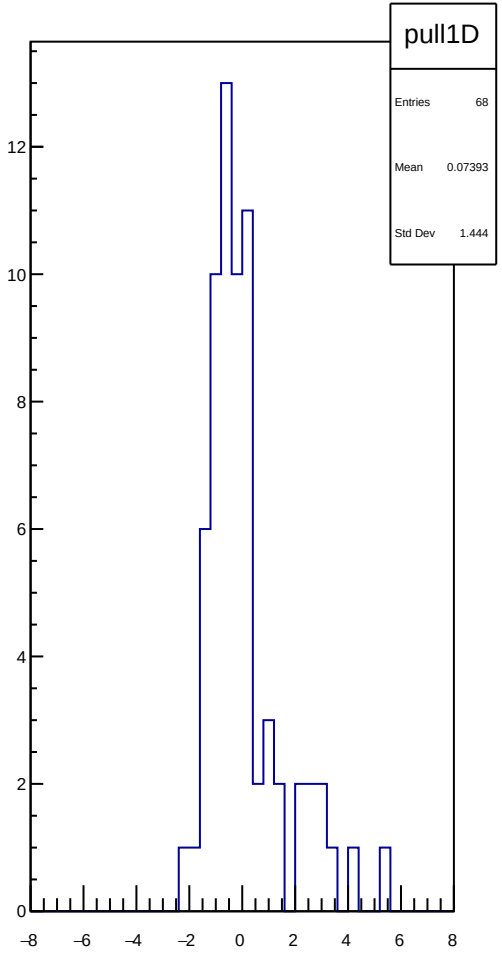

pull1D
Entries 68
Mean 0.008683
Std Dev 2.081

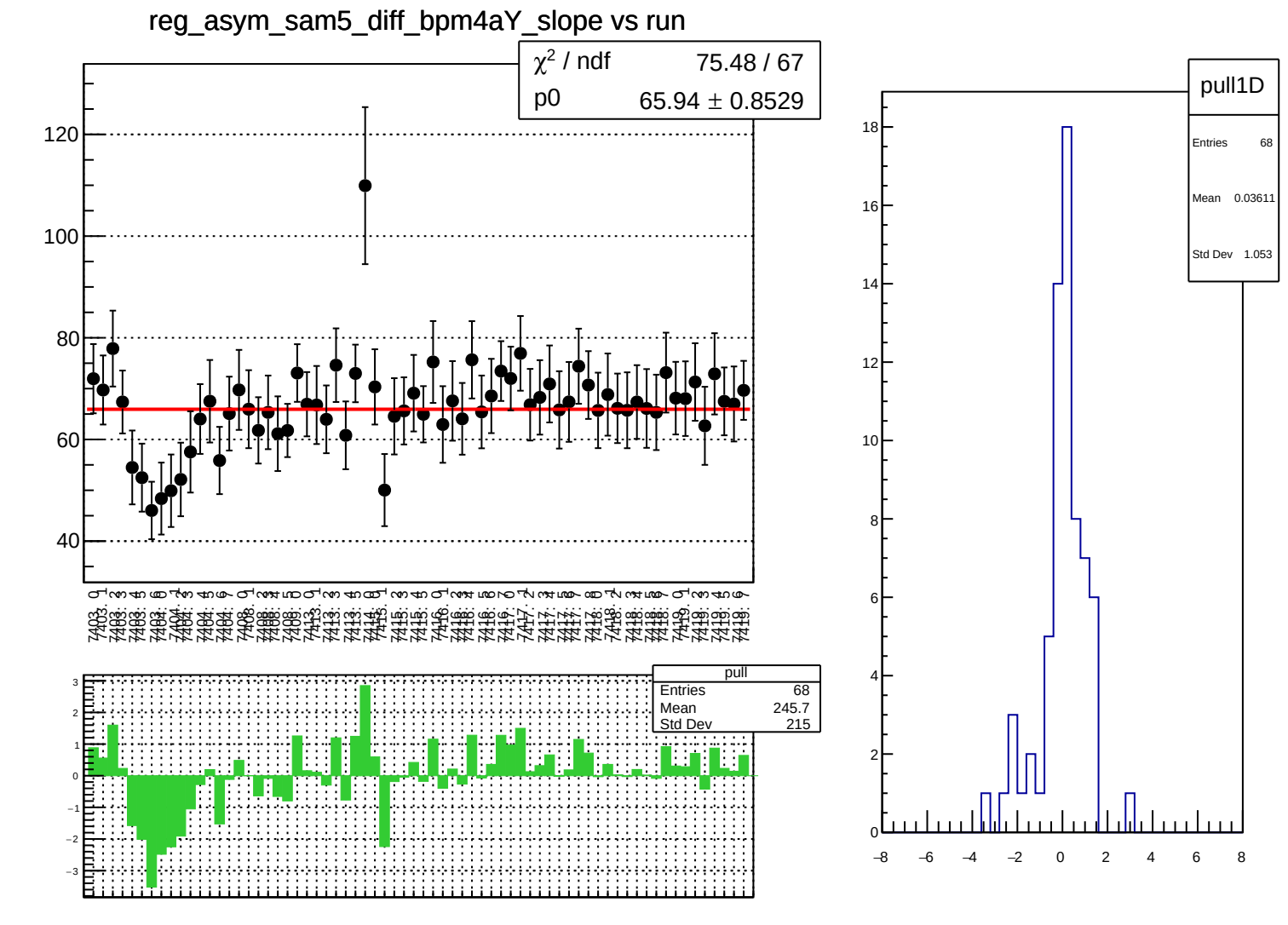

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 131.3 / 67
p0 152.4 ± 1.785
200
150
100
50
0
pull
Entries 68
Mean 2.443e+04
Std Dev 2.439e+04
3
2
1
0
−1
−2
−3
−4

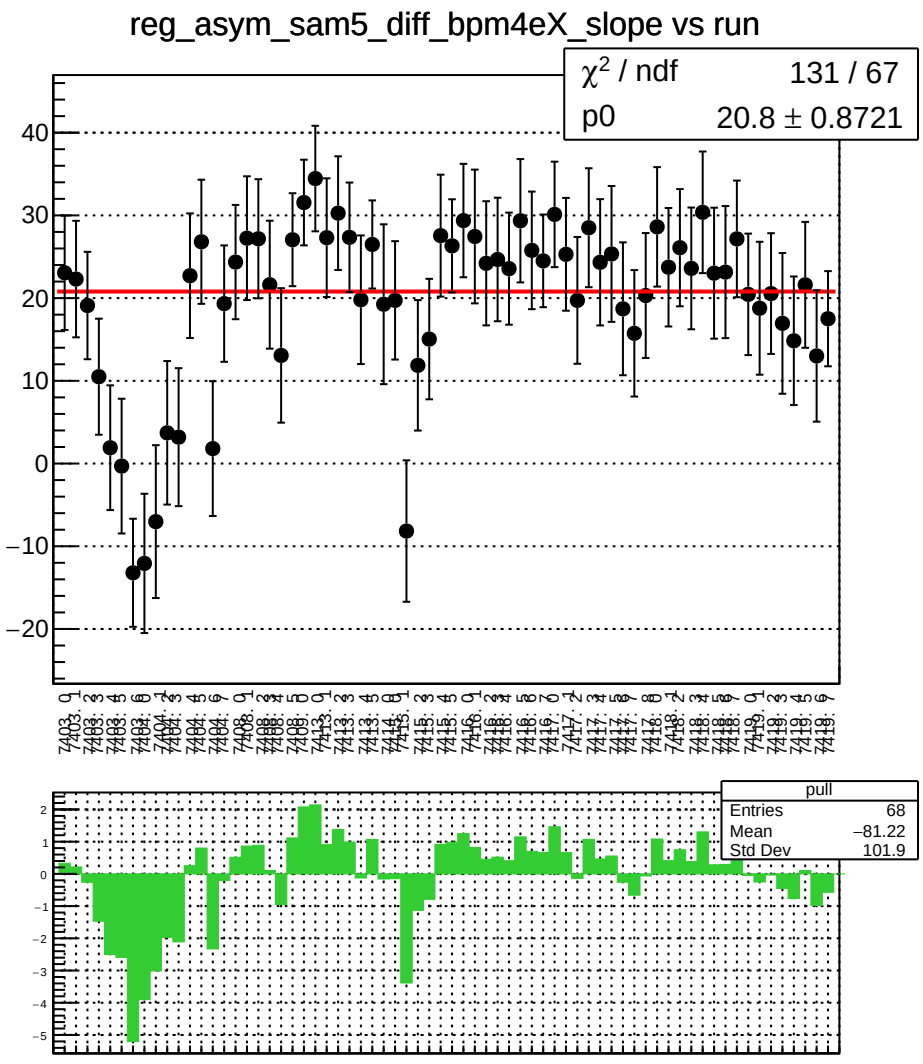

pull1D
Entries 68
Mean 0.0004263
Std Dev 1.39
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

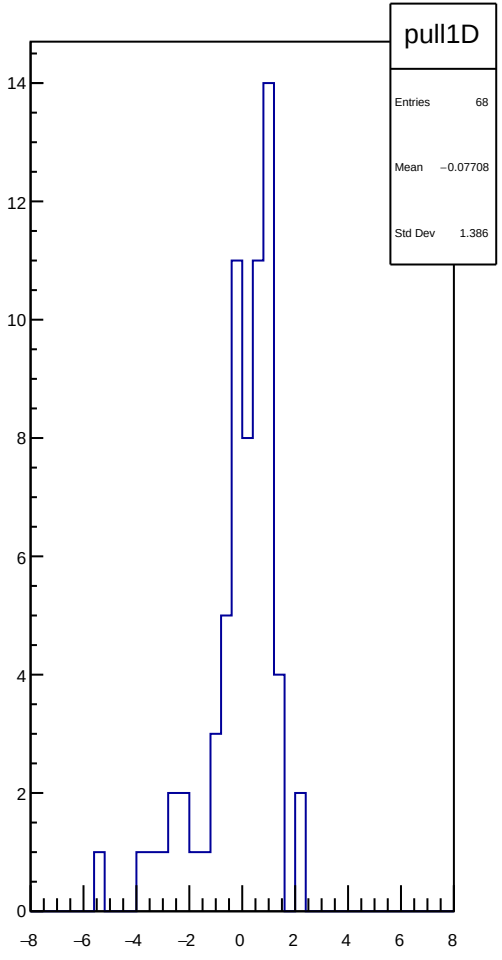

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 25.77 / 67
p0 −0.06875 ± 0.07858
pull
Entries 68
Mean 380.3
Std Dev 346.8
pull1D
Entries 68
Mean 0.03072
Std Dev 0.6148

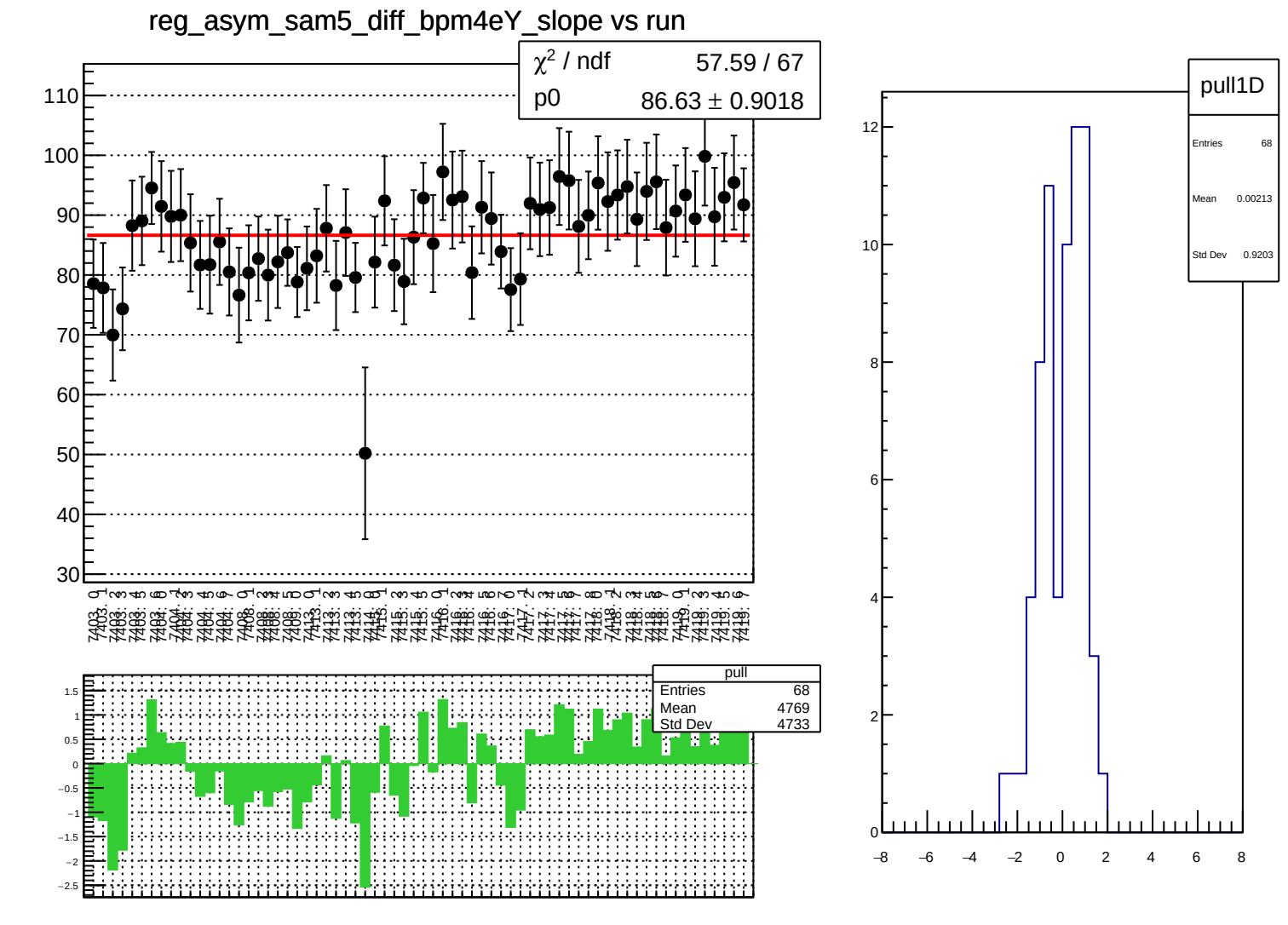

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 142.1 / 67
p0 −21.57 ± 0.839
pull
Entries 68
Mean −111.7
Std Dev 134.6

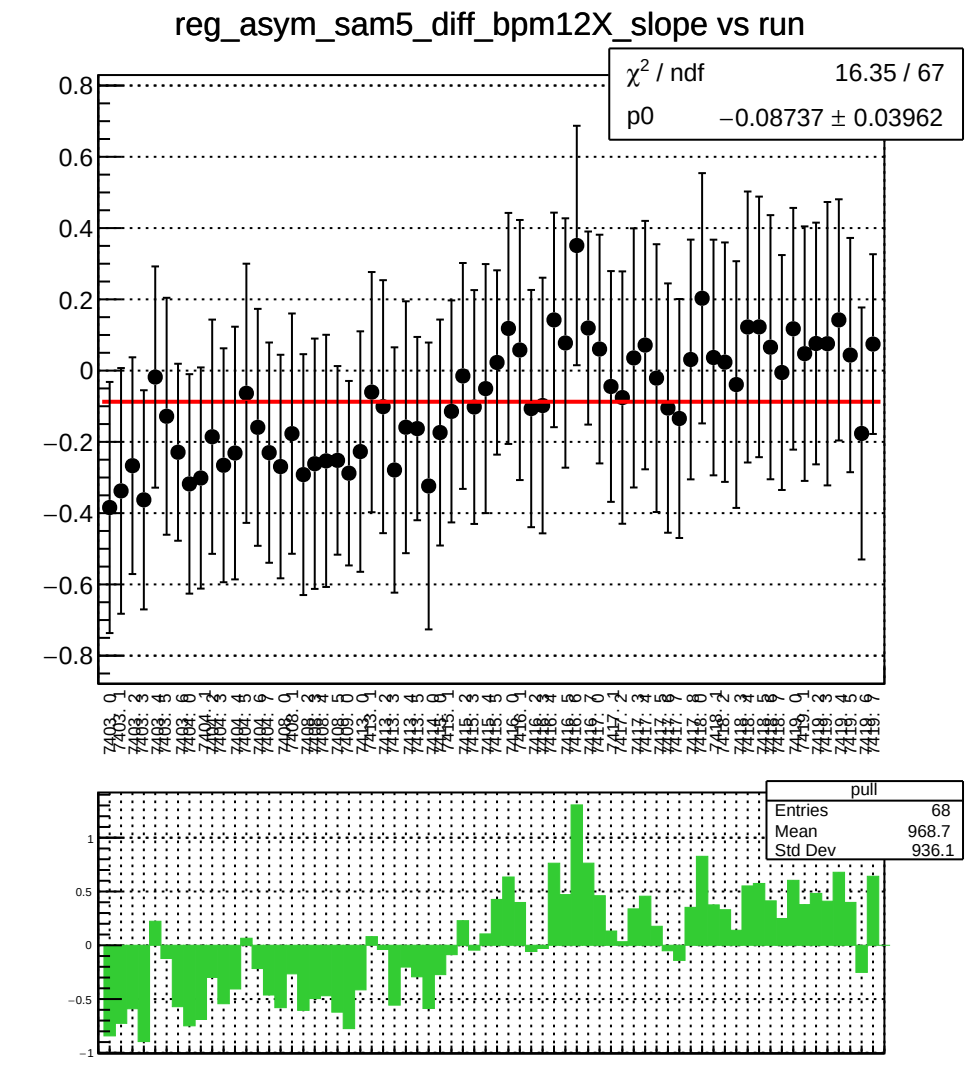

pull1D
Entries 68
Mean 0.07393
Std Dev 1.444

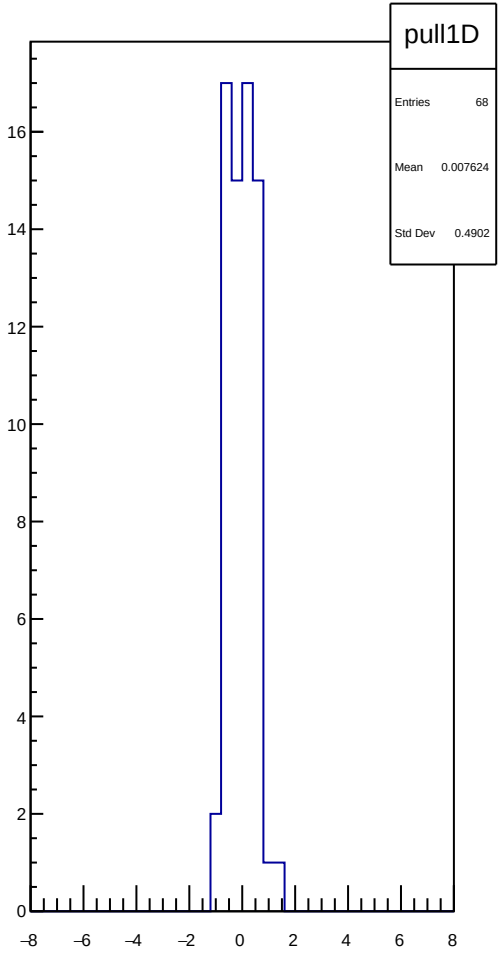

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 75.48 / 67
p0 65.94 ± 0.8529
120
100
80
60
40
pull
Entries 68
Mean 245.7
Std Dev 215
pull1D
Entries 68
Mean 0.03611
Std Dev 1.053


reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 131 / 67
p0 20.8 ± 0.8721
pull
Entries 68
Mean −81.22
Std Dev 101.9

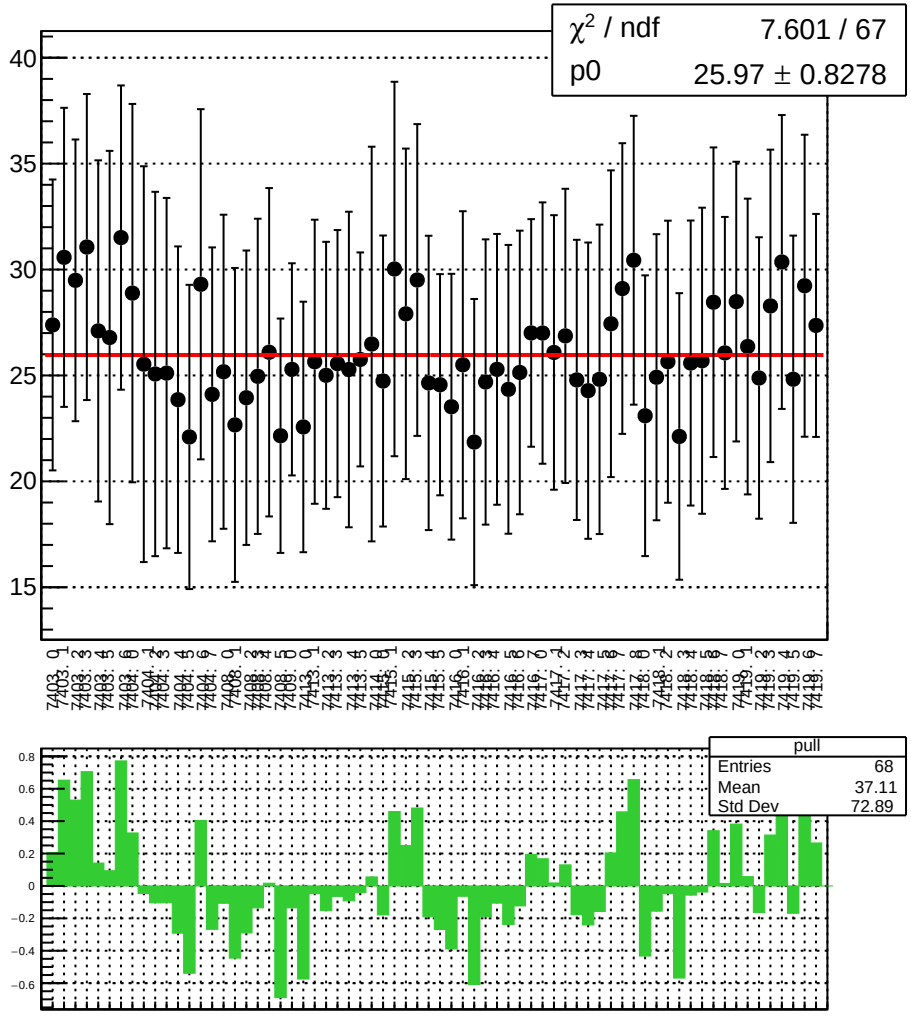

pull1D
Entries 68
Mean −0.07708
Std Dev 1.386

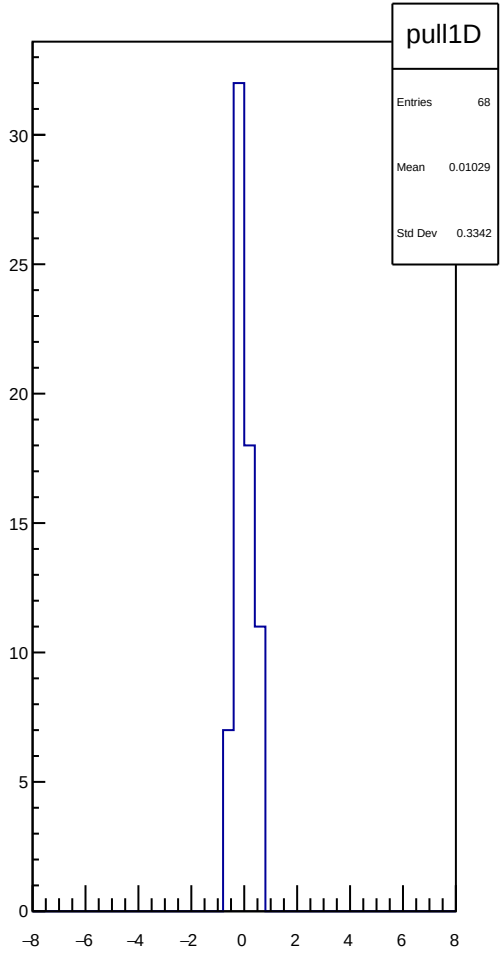

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 57.59 / 67
p0 86.63 ± 0.9018
pull
Entries 68
Mean 4769
Std Dev 4733
pull1D
Entries 68
Mean 0.00213
Std Dev 0.9203

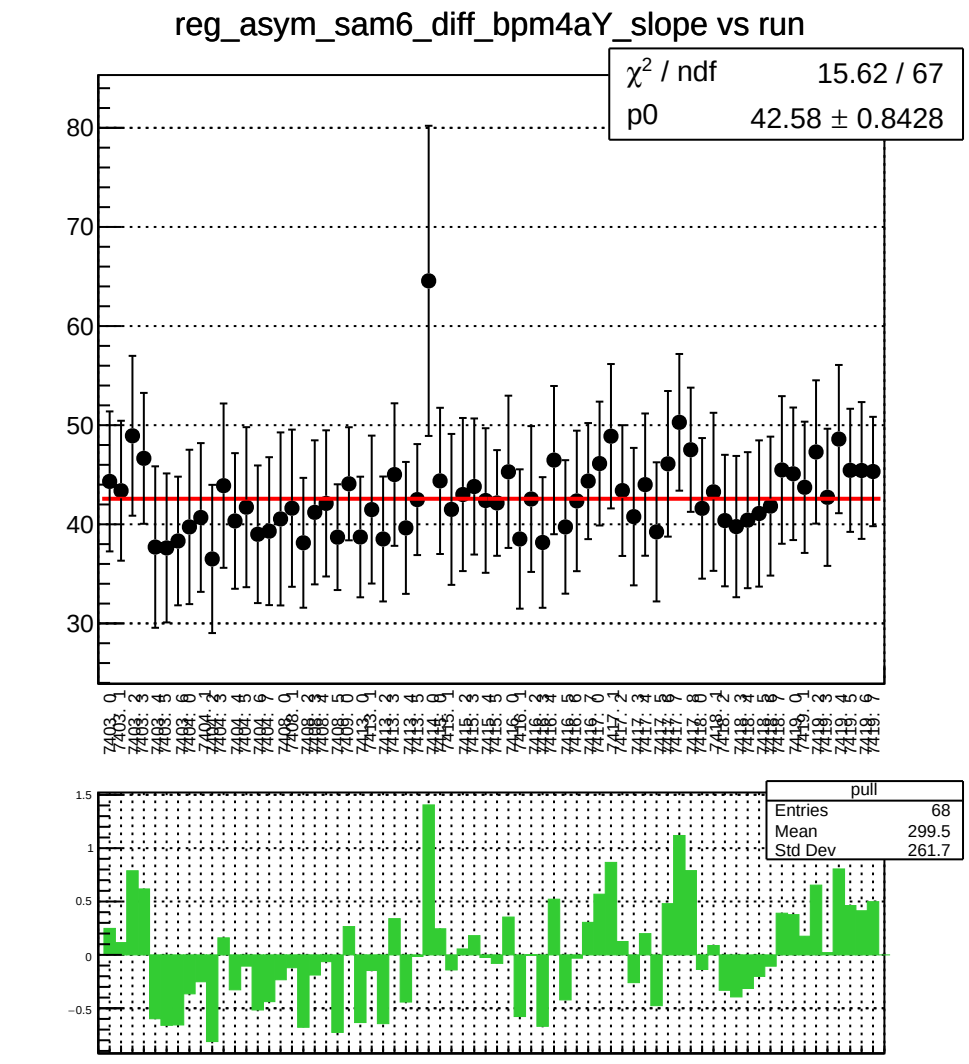

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 16.35 / 67
p0 −0.08737 ± 0.03962
pull
Entries 68
Mean 968.7
Std Dev 936.1

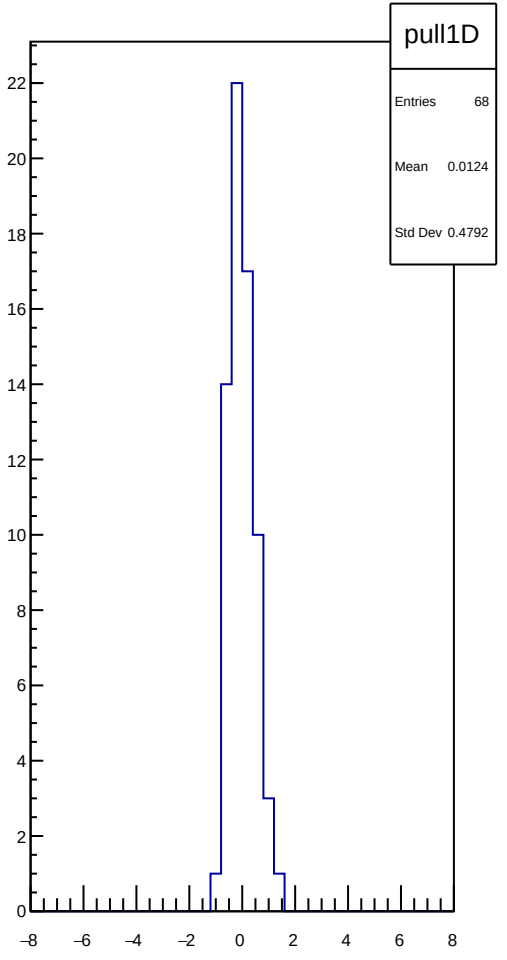

pull1D
Entries 68
Mean 0.007624
Std Dev 0.4902

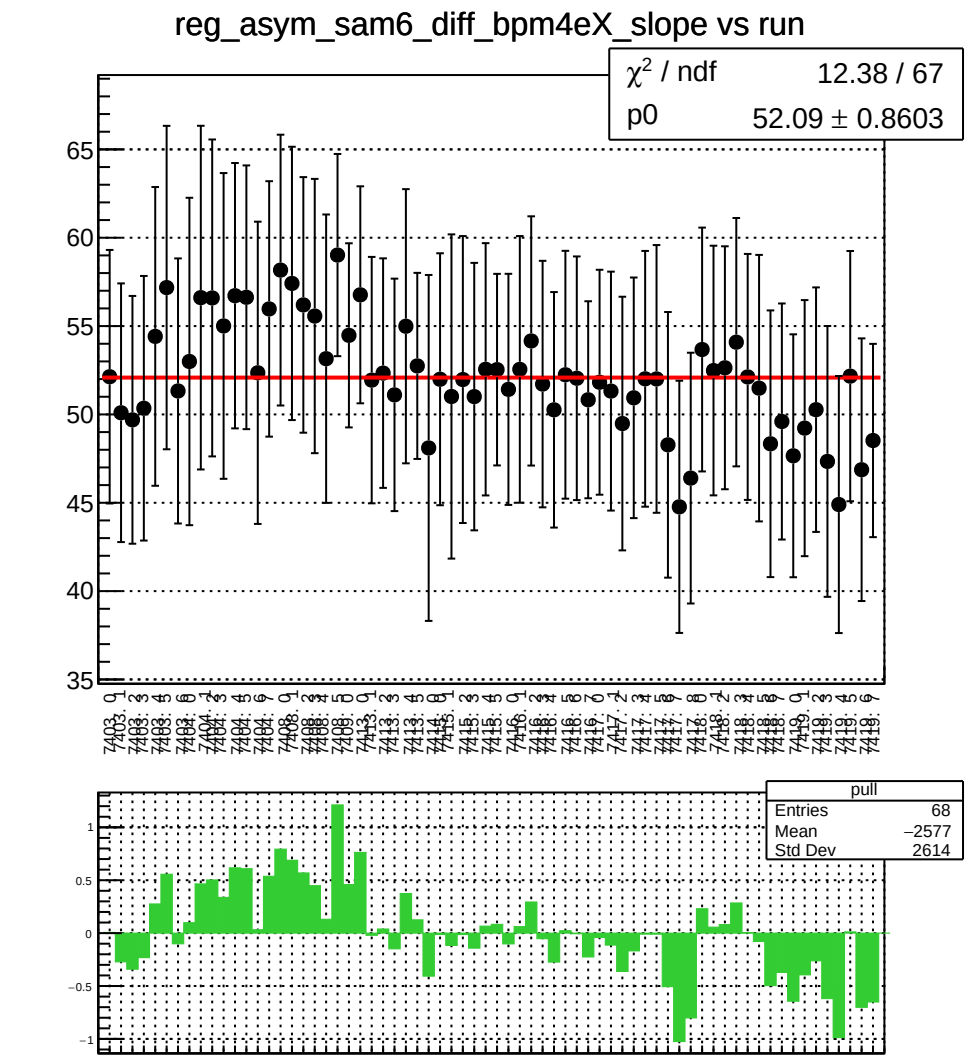
reg_asym_sam6_diff_bpm1X_slope vs run

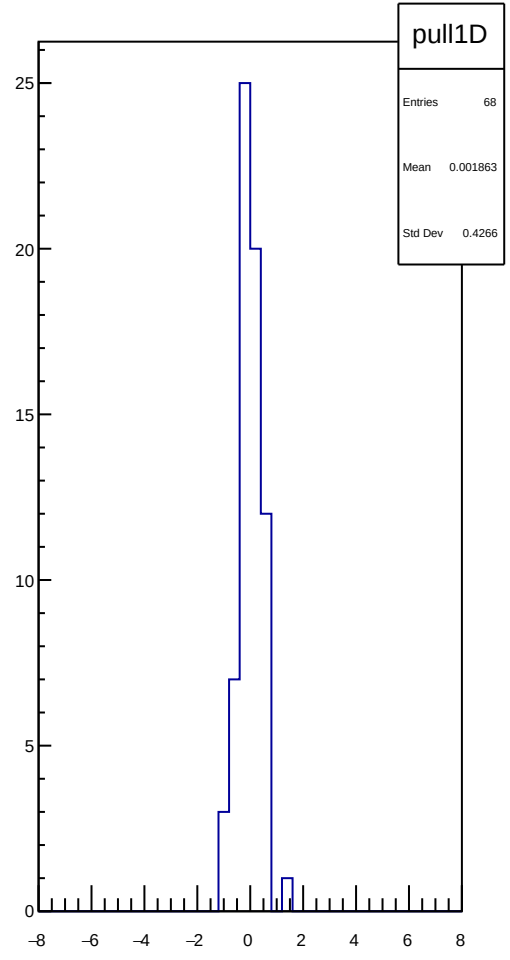


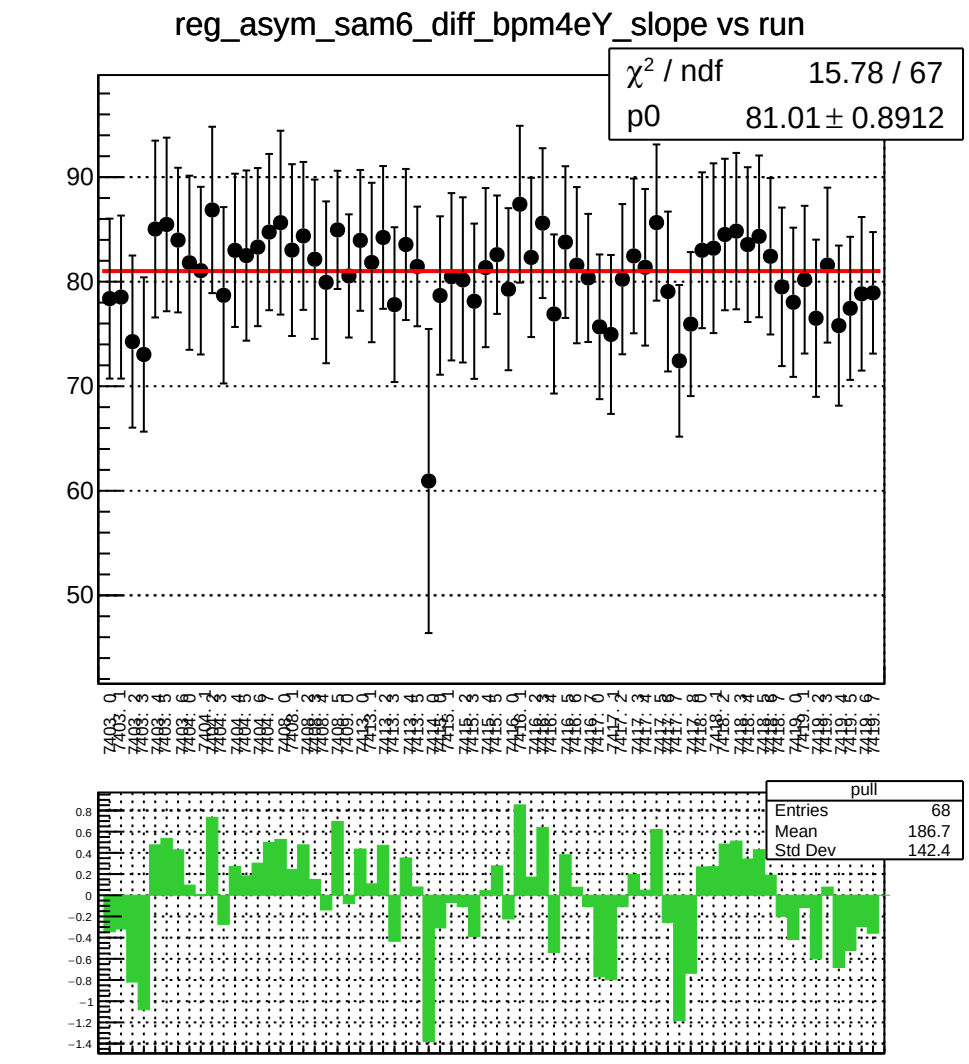


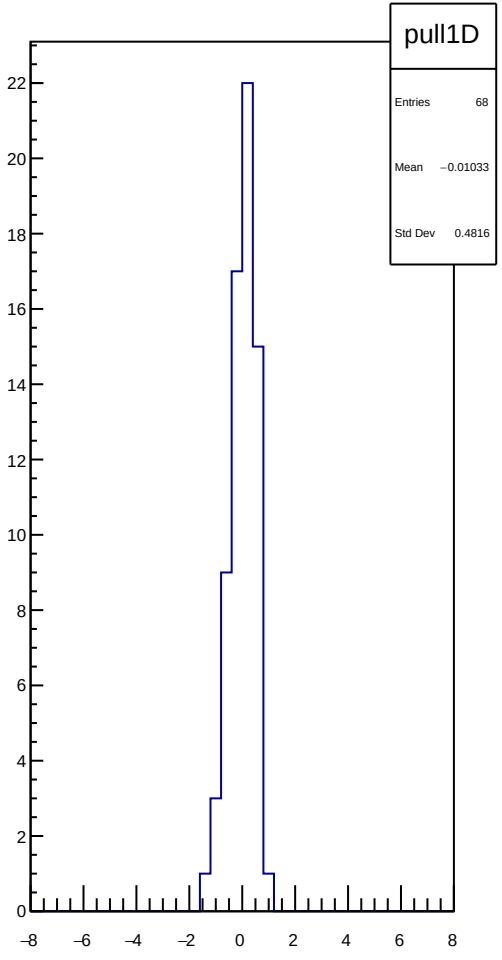

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 15.62 / 67
p0 42.58 ± 0.8428
pull
Entries 68
Mean 299.5
Std Dev 261.7

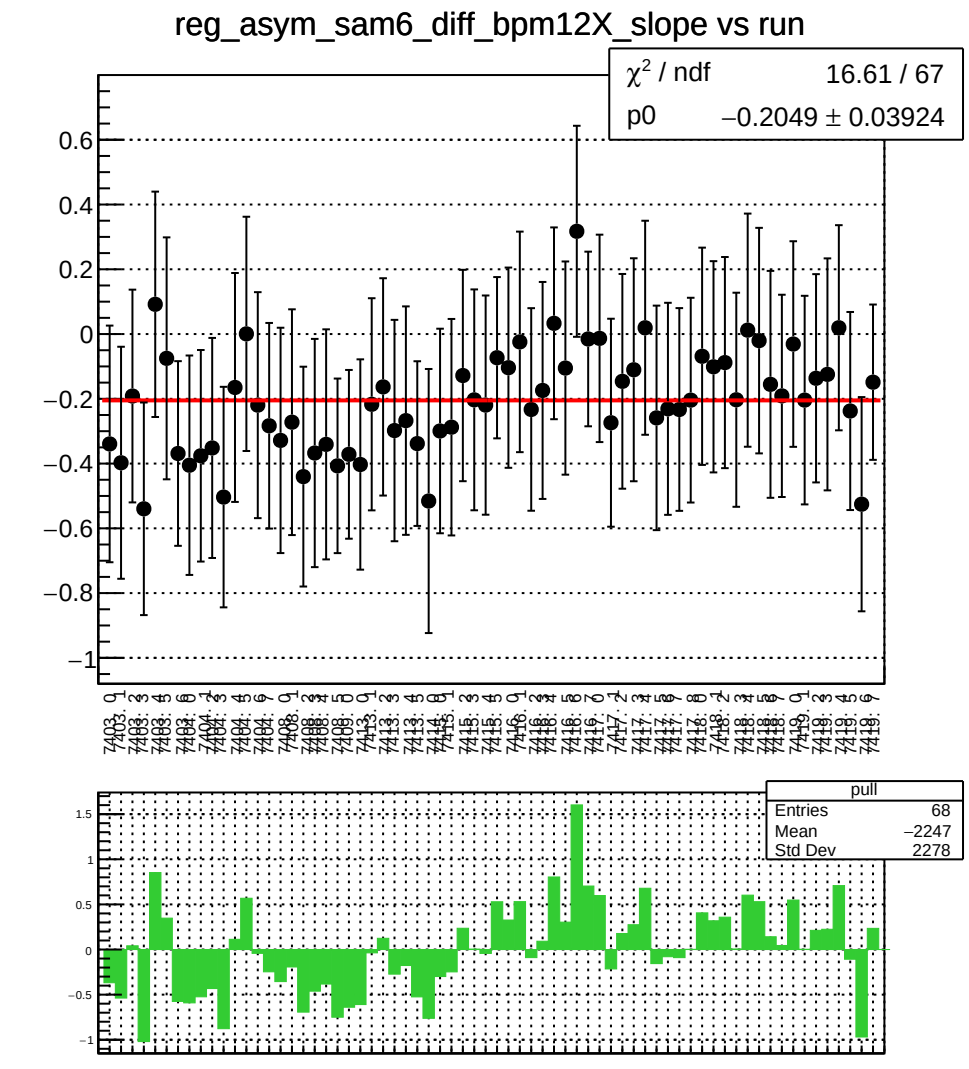

pull1D
Entries 68
Mean 0.0124
Std Dev 0.4792

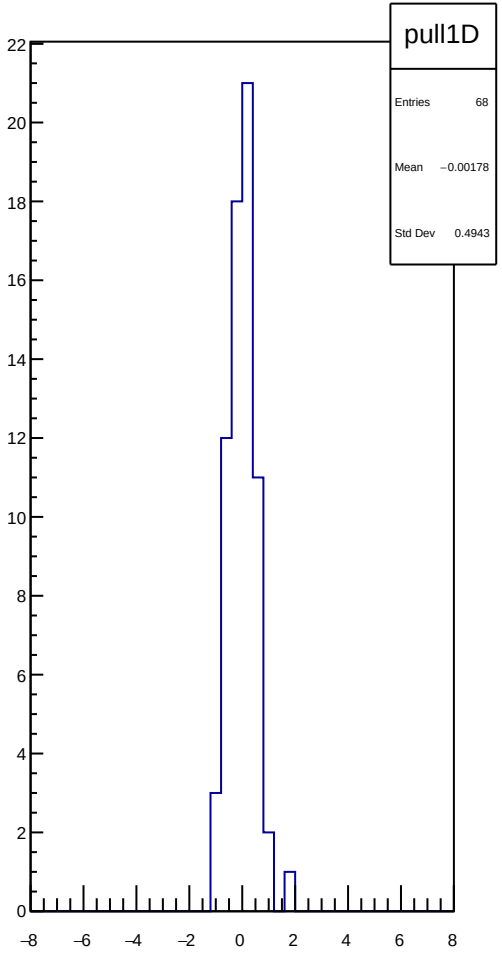

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 12.38 / 67
p0 52.09 ± 0.8603
pull
Entries 68
Mean −2577
Std Dev 2614

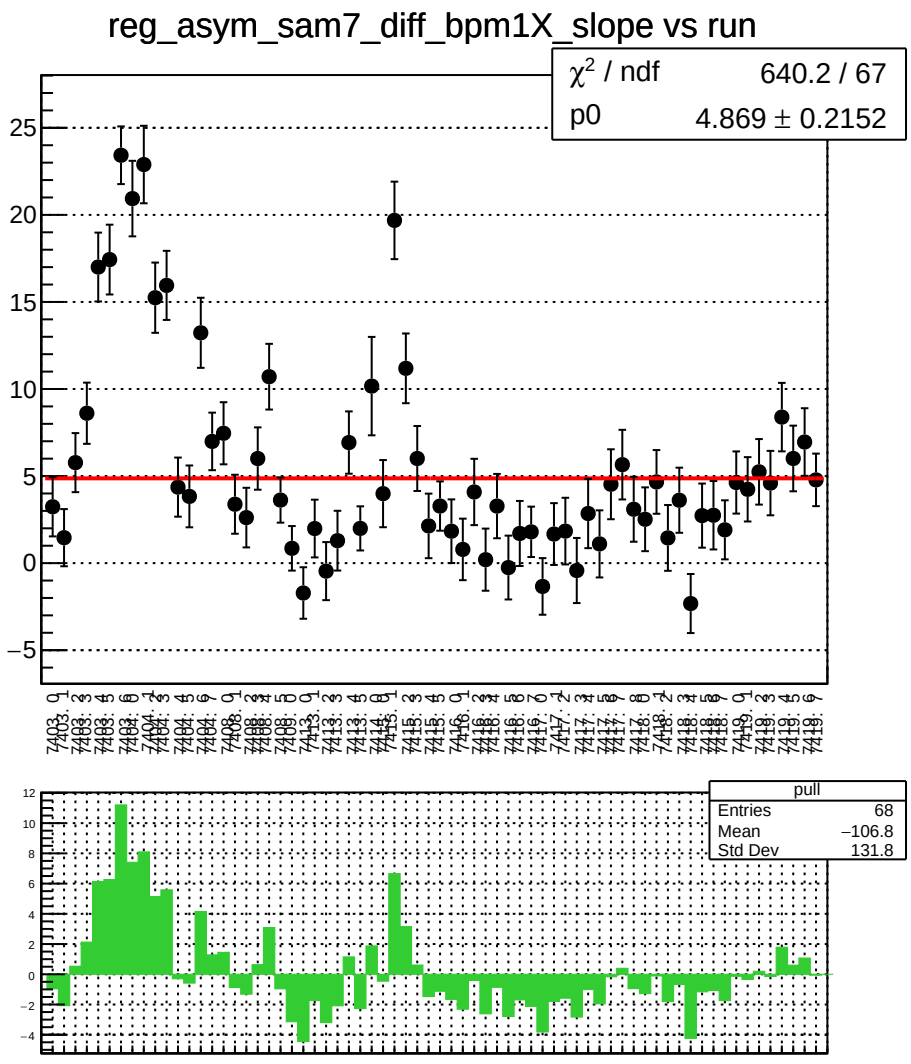

pull1D
Entries 68
Mean 0.001863
Std Dev 0.4266

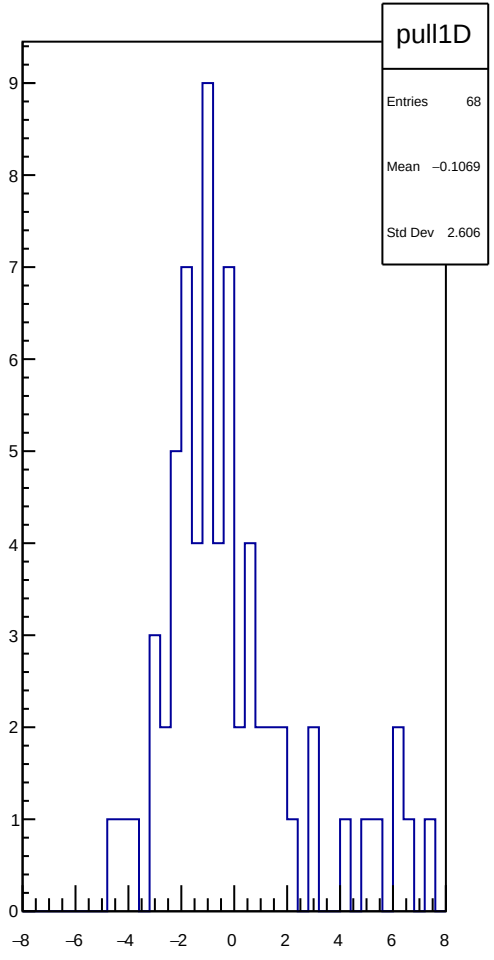

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 15.78 / 67
p0 81.01 ± 0.8912
pull
Entries 68
Mean 186.7
Std Dev 142.4

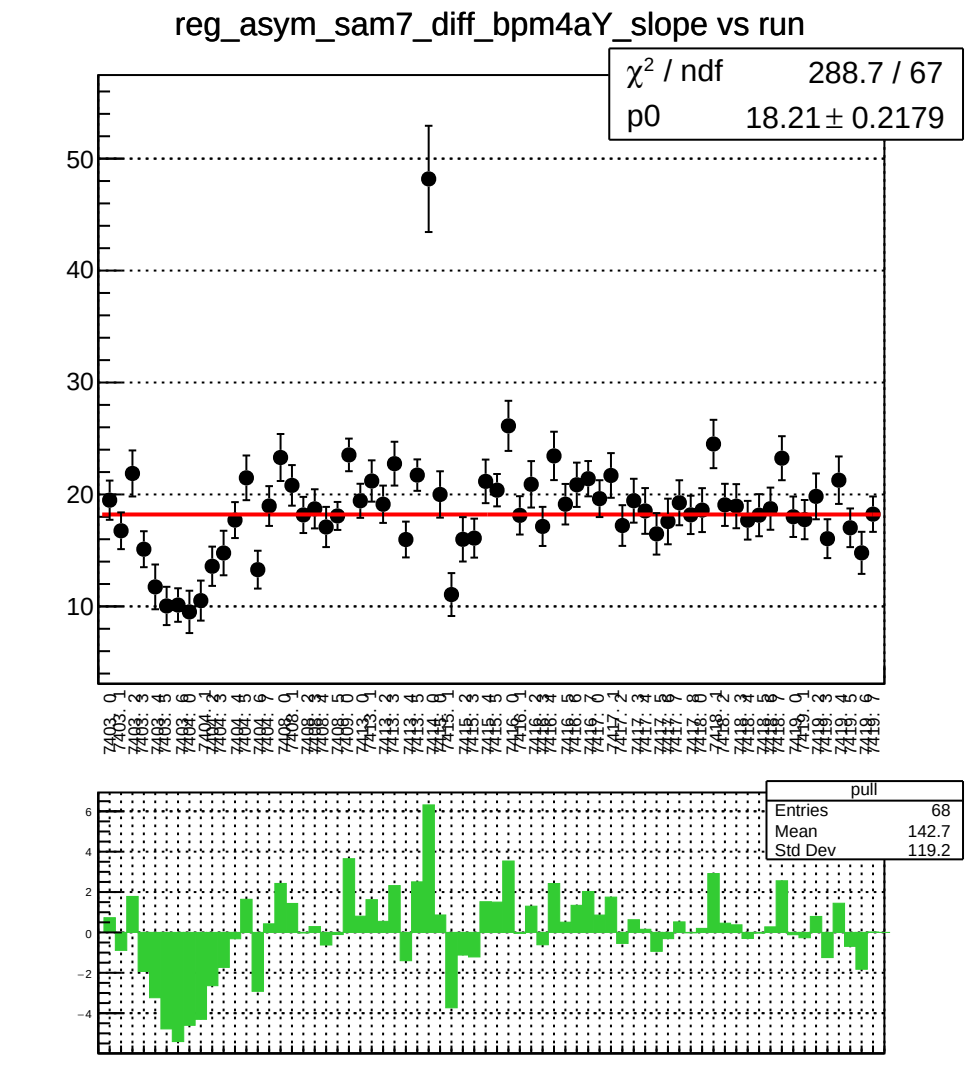

pull1D
Entries 68
Mean −0.01033
Std Dev 0.4816

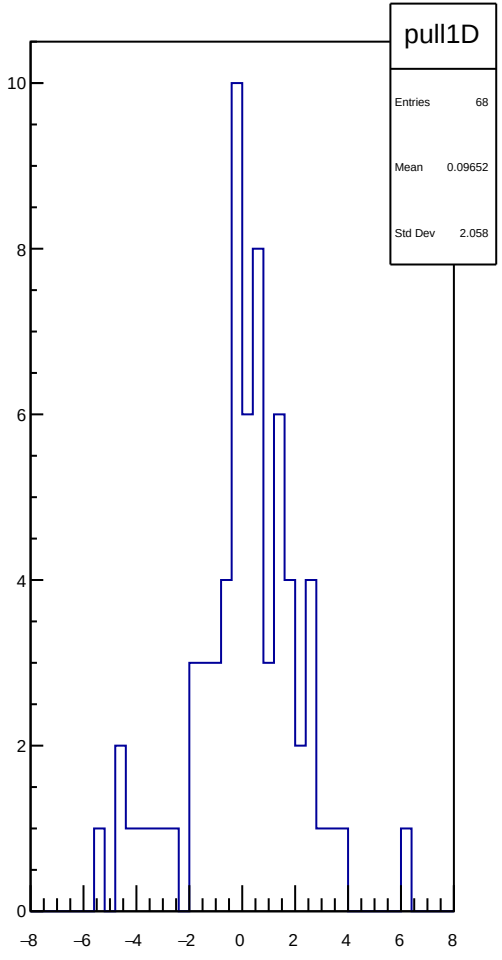

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 16.61 / 67
p0 −0.2049 ± 0.03924
pull
Entries 68
Mean −2247
Std Dev 2278

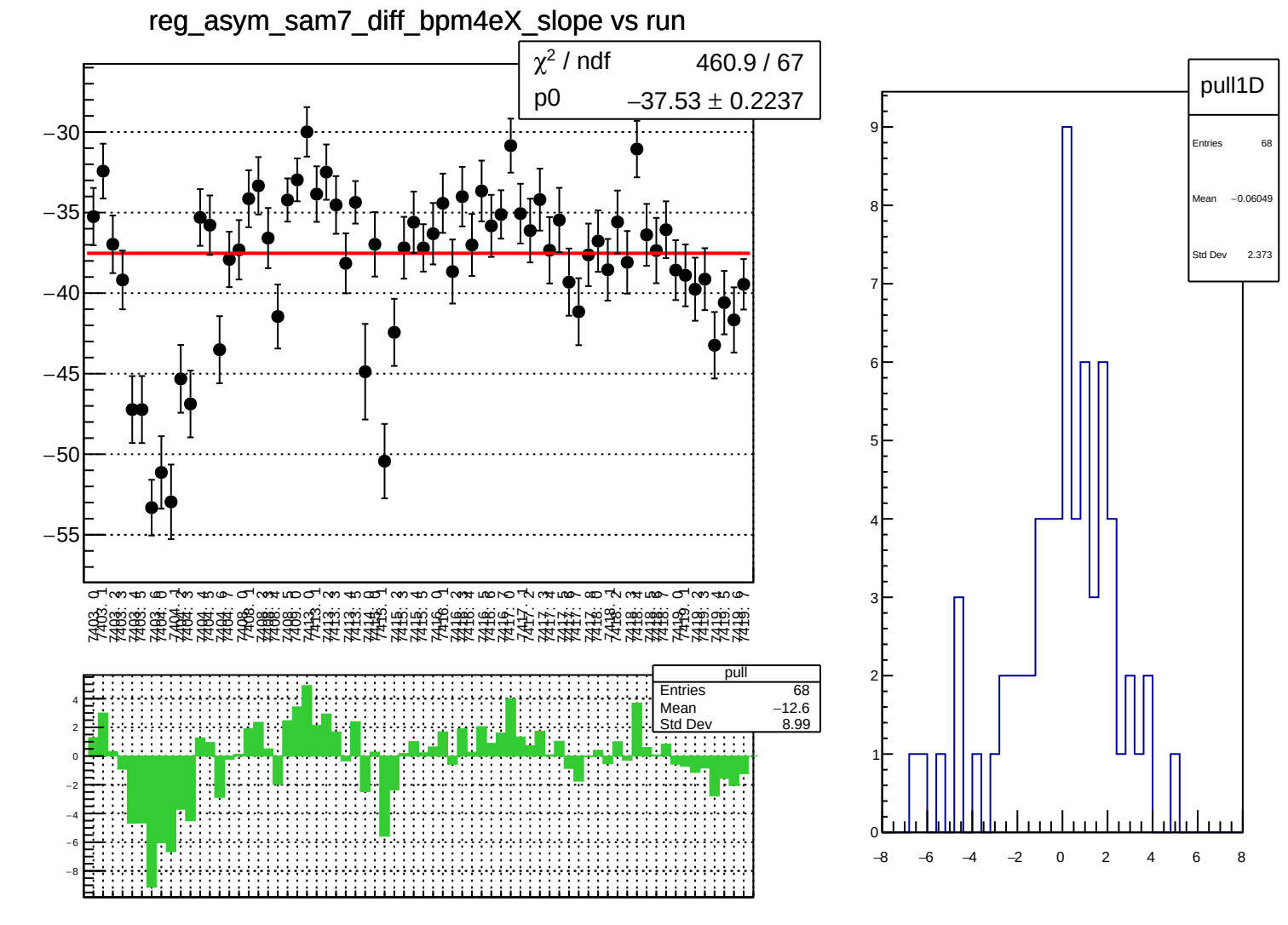

pull1D
Entries 68
Mean −0.00178
Std Dev 0.4943

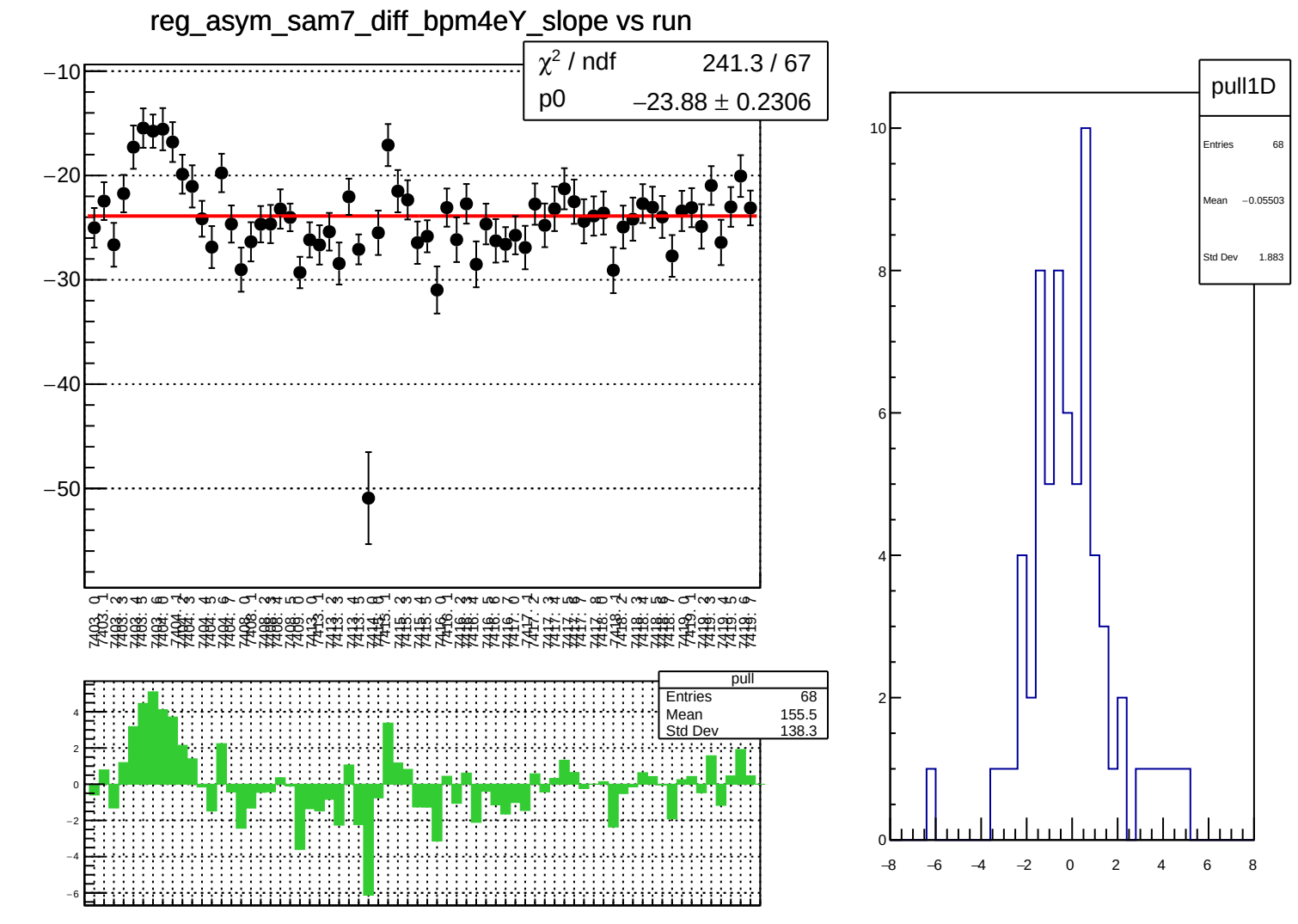

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 640.2 / 67
p0 4.869 ± 0.2152
pull
Entries 68
Mean −106.8
Std Dev 131.8

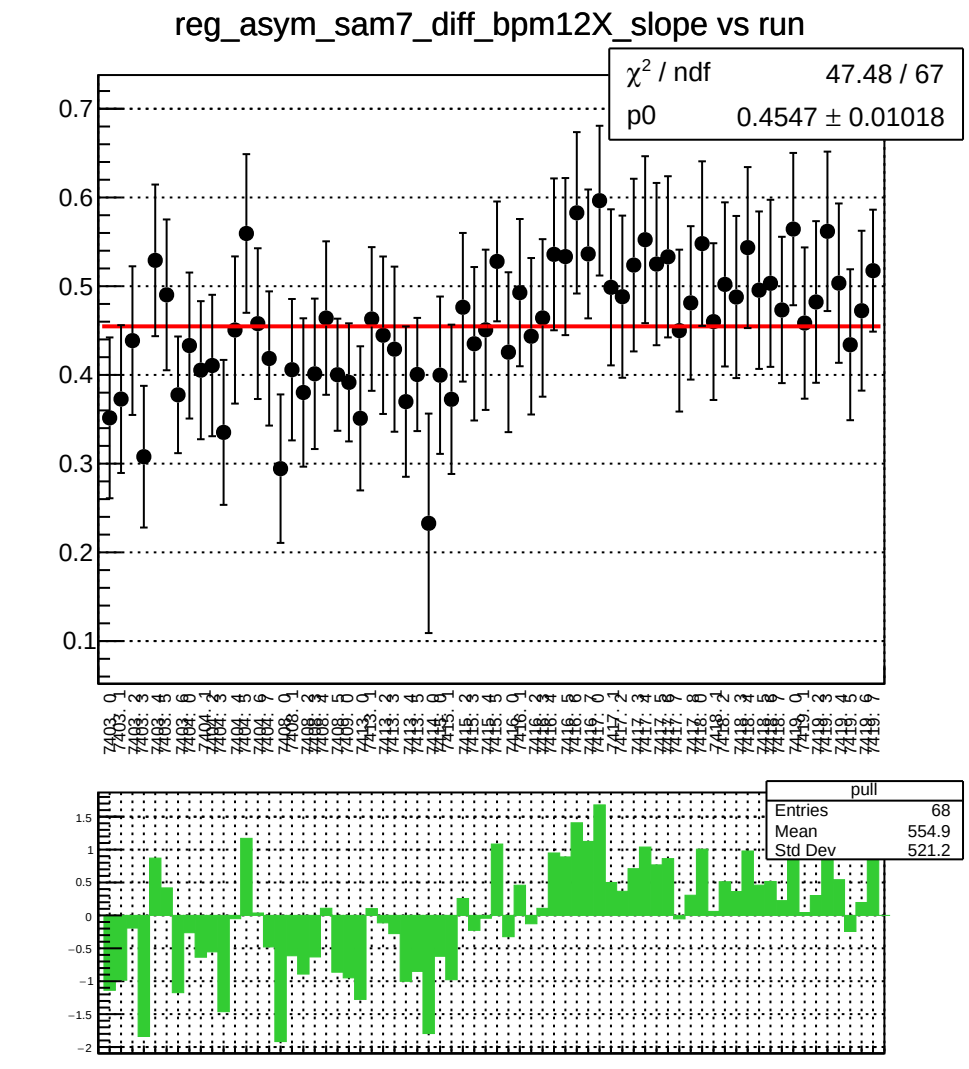

pull1D
Entries 68
Mean −0.1069
Std Dev 2.606

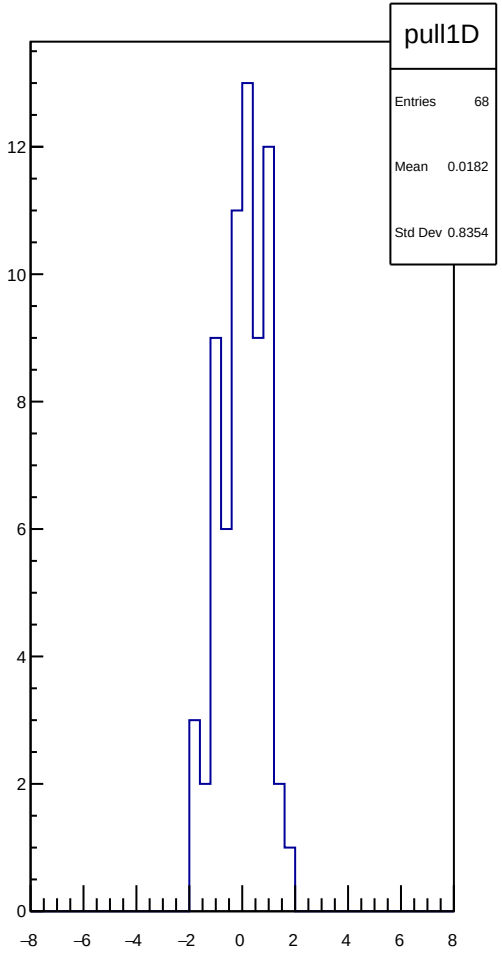

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 288.7 / 67
p0 18.21 ± 0.2179
pull
Entries 68
Mean 142.7
Std Dev 119.2

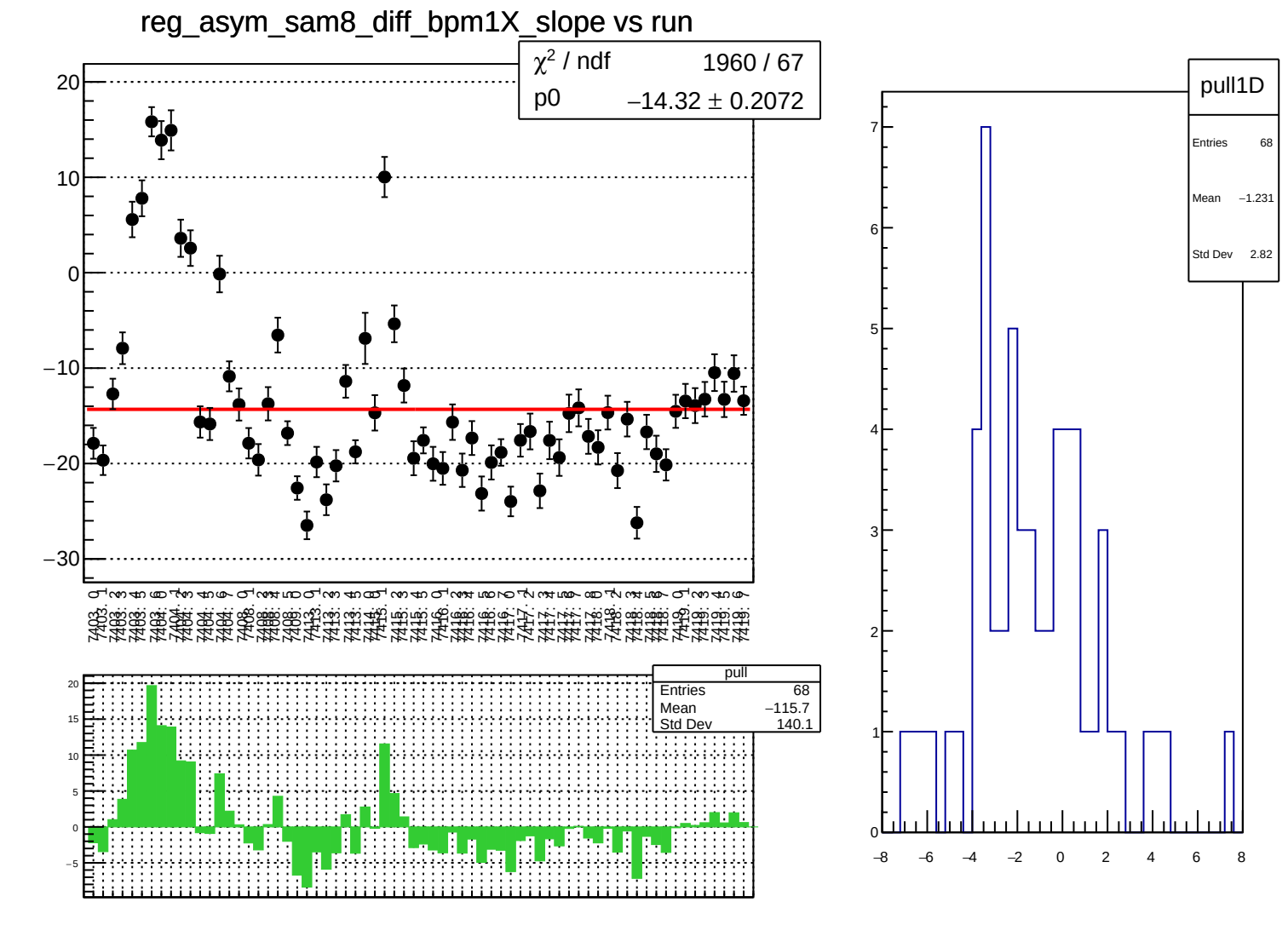

pull1D
Entries 68
Mean 0.09652
Std Dev 2.058

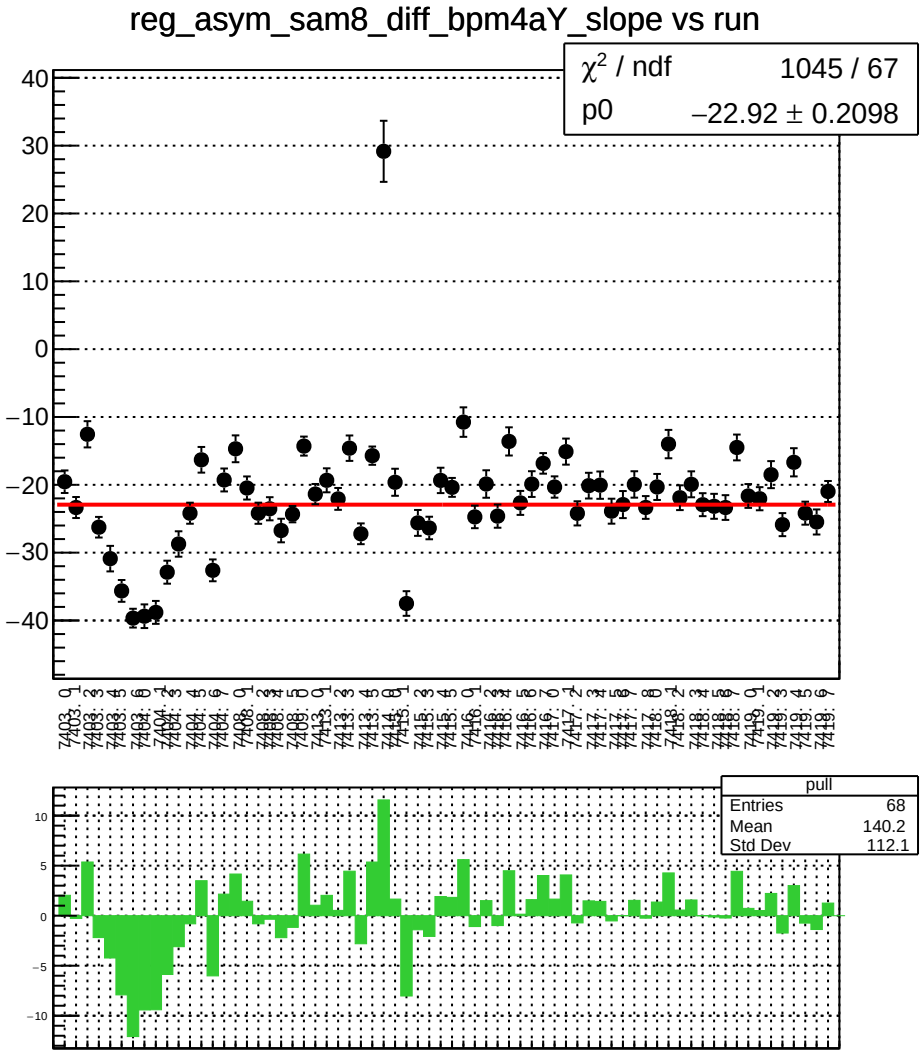

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 460.9 / 67
p0 −37.53 ± 0.2237
pull
Entries 68
Mean −12.6
Std Dev 8.99
pull1D
Entries 68
Mean −0.06049
Std Dev 2.373

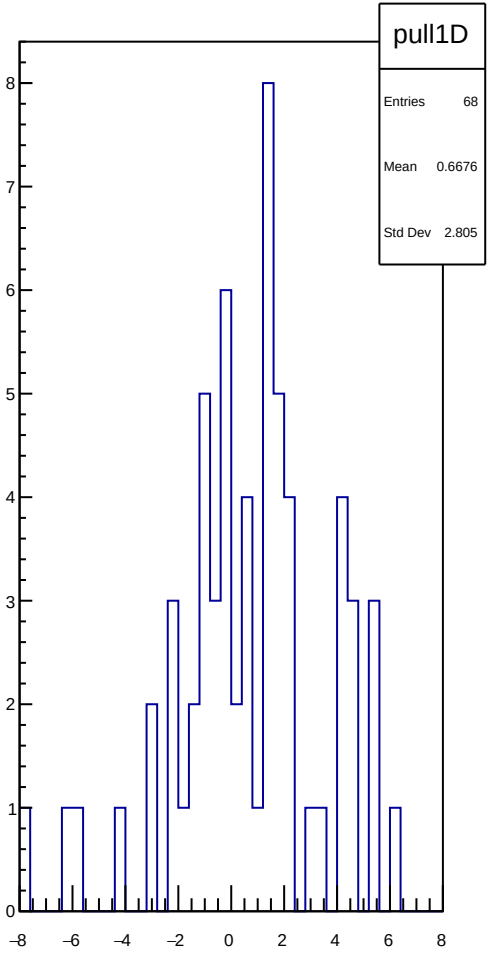

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 241.3 / 67
p0 −23.88 ± 0.2306
pull
Entries 68
Mean 155.5
Std Dev 138.3
pull1D
Entries 68
Mean −0.05503
Std Dev 1.883

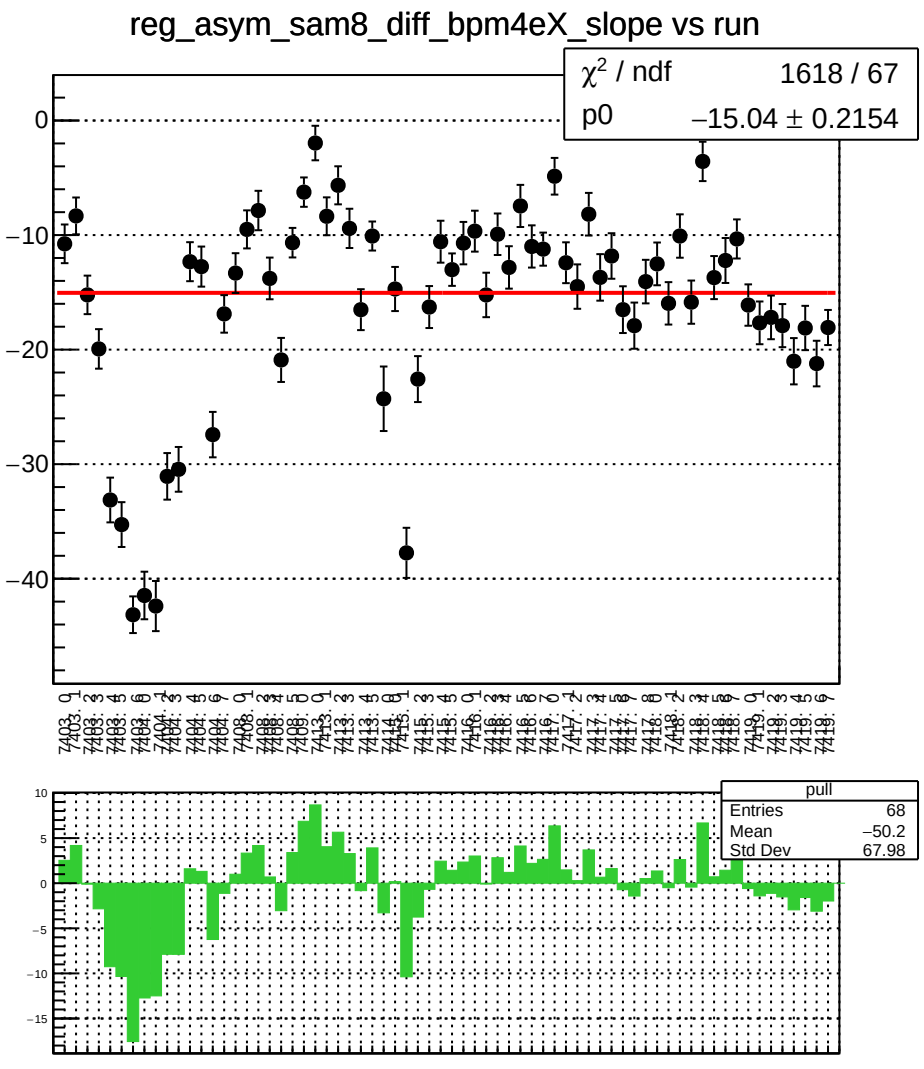

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 47.48 / 67
p0 0.4547 ± 0.01018
pull
Entries 68
Mean 554.9
Std Dev 521.2

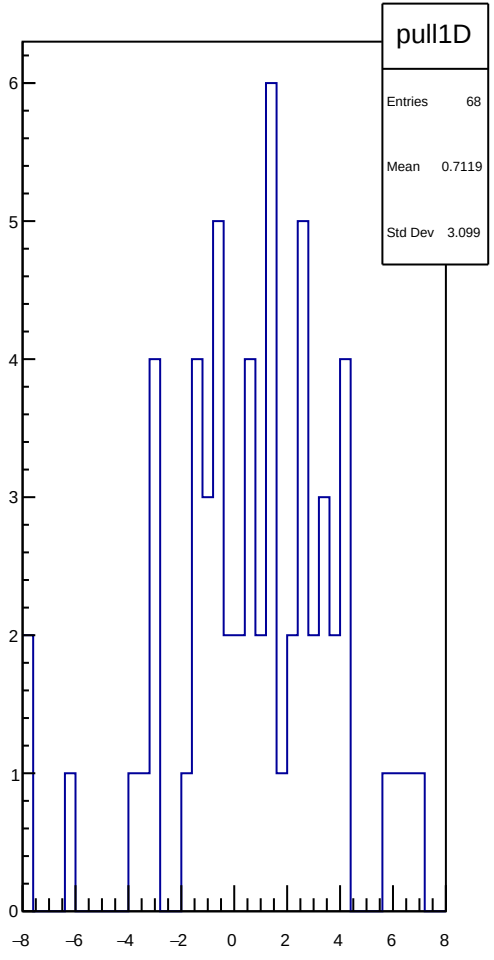

pull1D
Entries 68
Mean 0.0182
Std Dev 0.8354

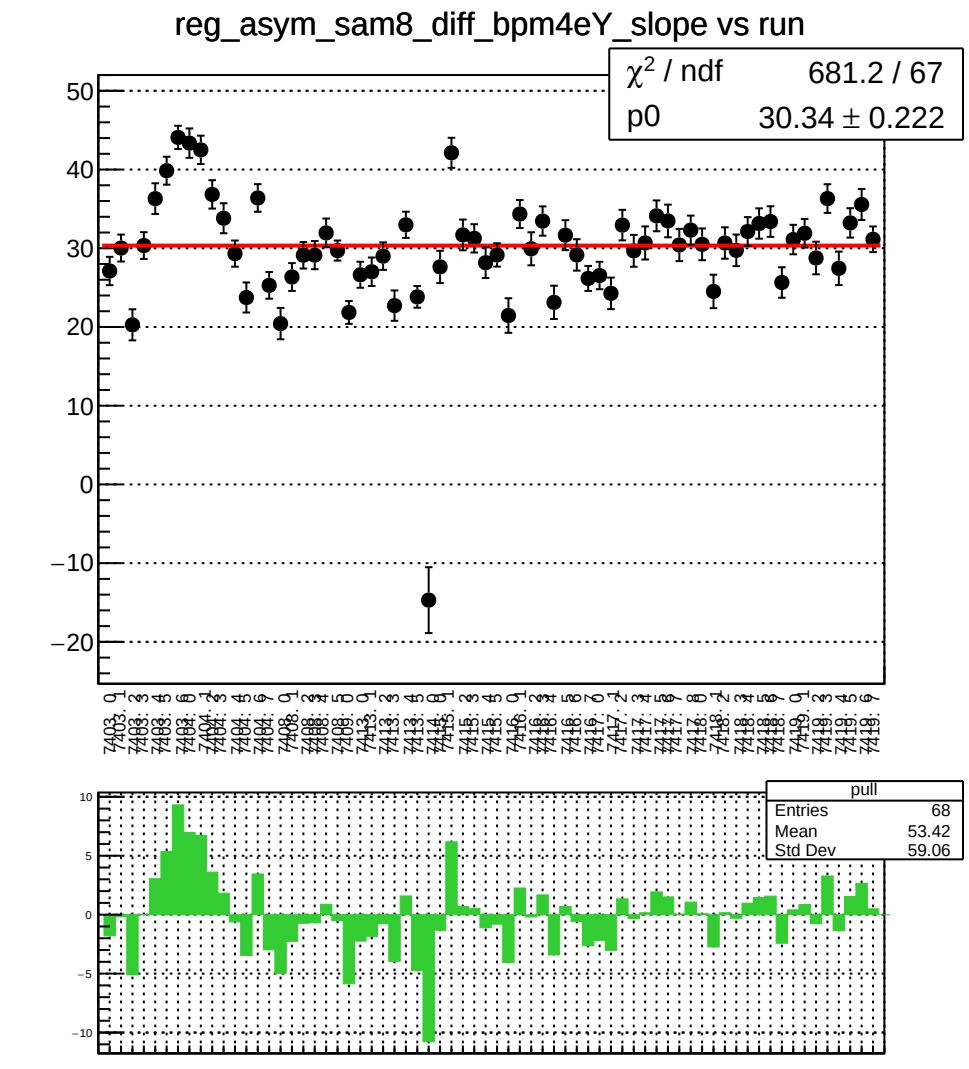

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 1960 / 67
p0 −14.32 ± 0.2072
pull
Entries 68
Mean −115.7
Std Dev 140.1
pull1D
Entries 68
Mean −1.231
Std Dev 2.82

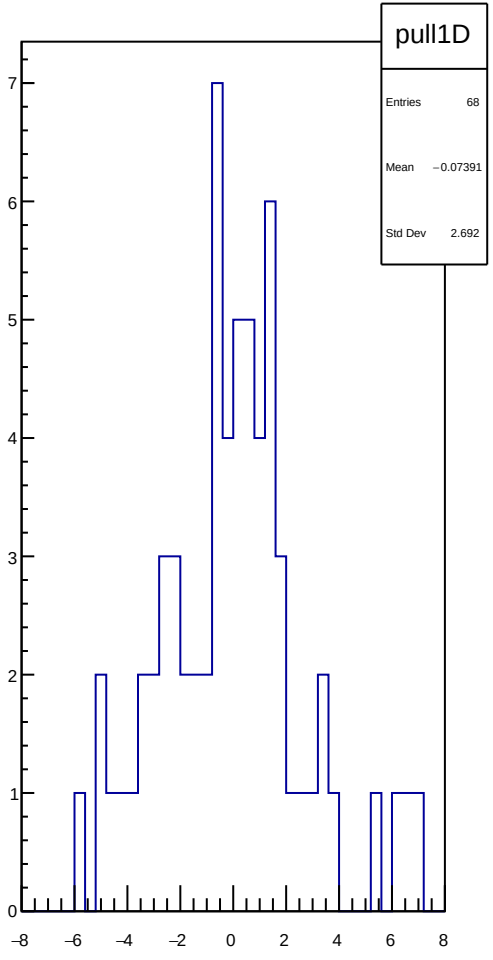

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1045 / 67
p0 −22.92 ± 0.2098
pull
Entries 68
Mean 140.2
Std Dev 112.1

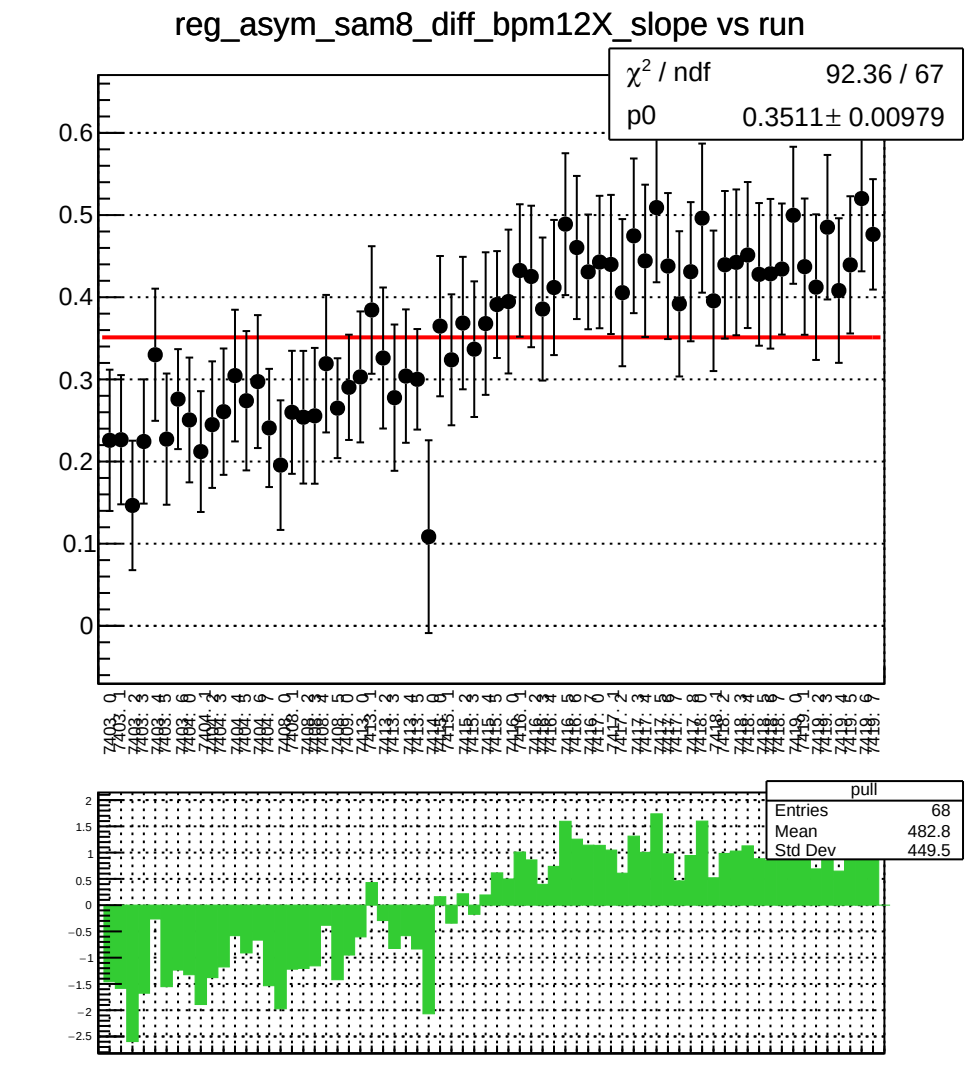

pull1D
Entries 68
Mean 0.6676
Std Dev 2.805

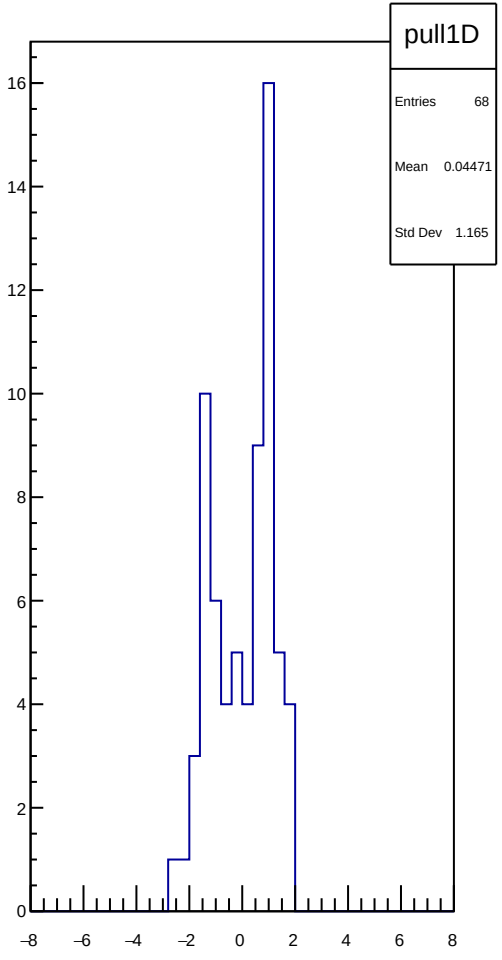

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 1618 / 67
p0 −15.04 ± 0.2154
pull
Entries 68
Mean −50.2
Std Dev 67.98

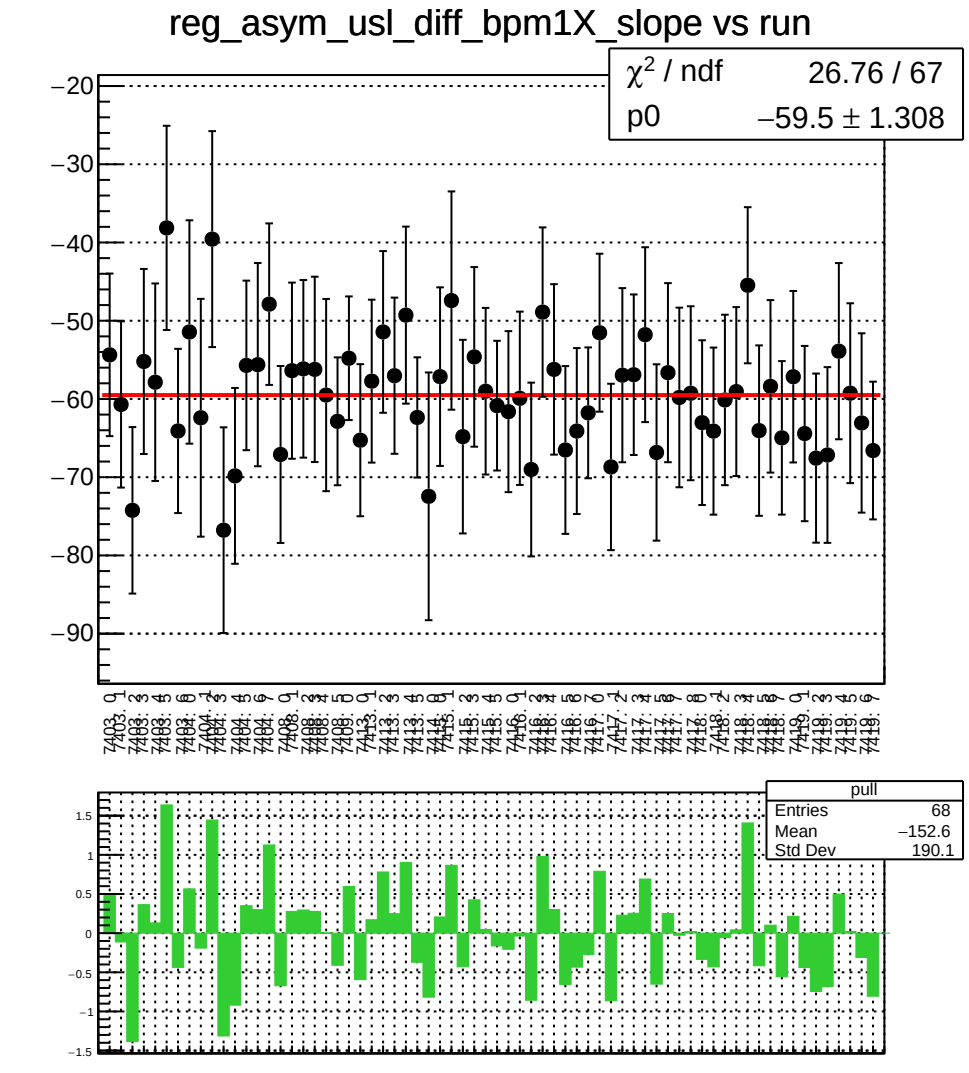

pull1D
Entries 68
Mean 0.7119
Std Dev 3.099

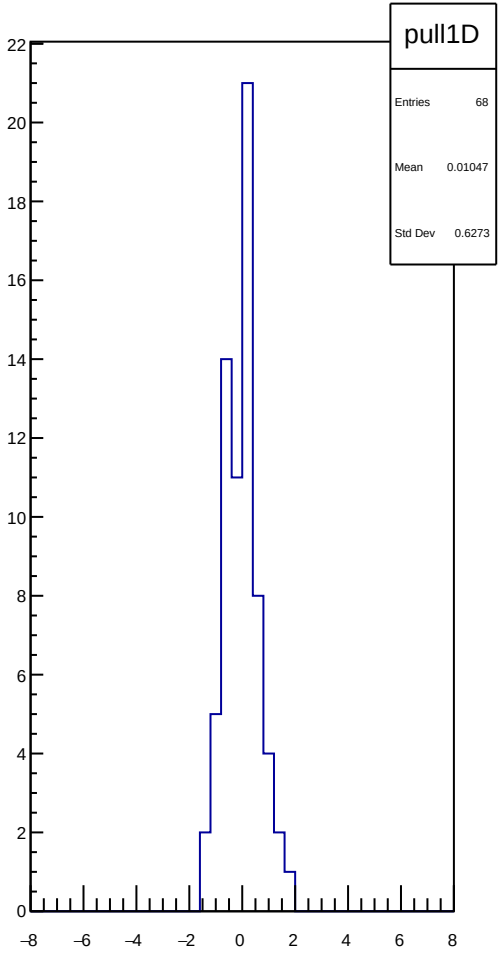

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 681.2 / 67
p0 30.34 ± 0.222
pull
Entries 68
Mean 53.42
Std Dev 59.06

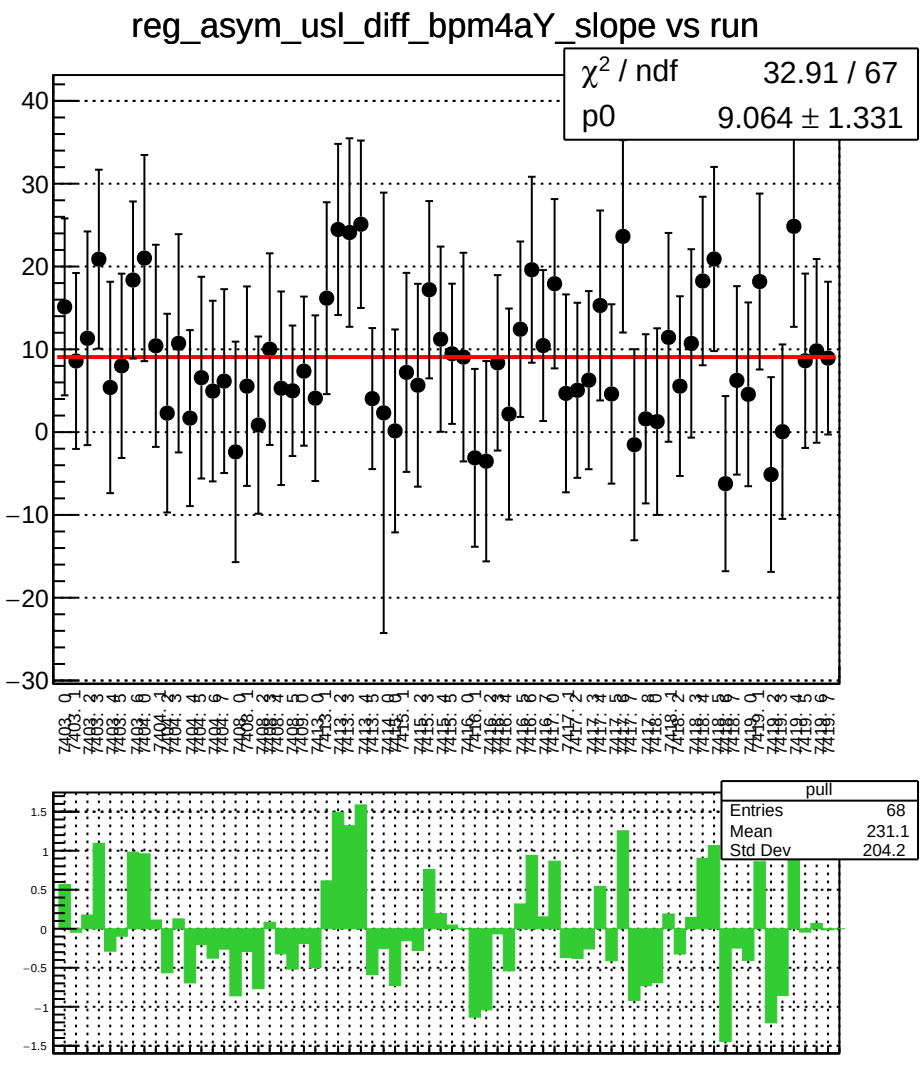

pull1D
Entries 68
Mean −0.07391
Std Dev 2.692

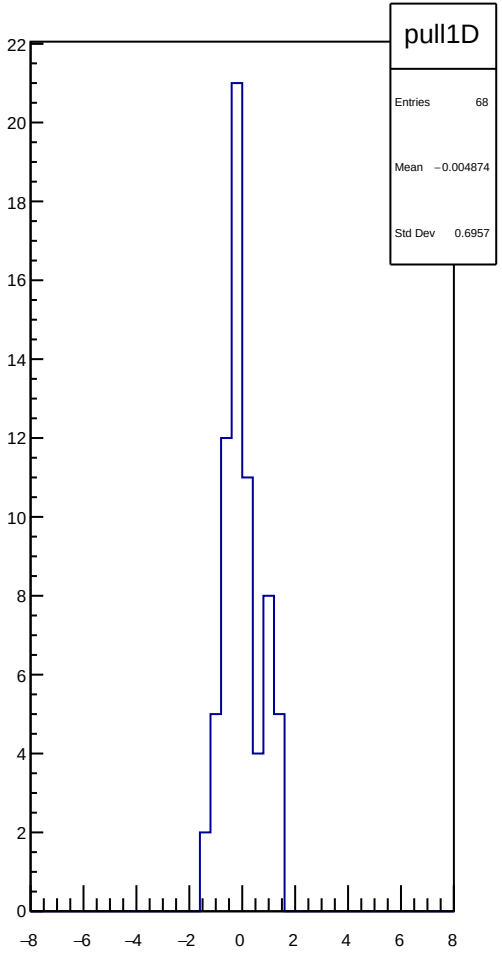

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 92.36 / 67
p0 0.3511± 0.00979
pull
Entries 68
Mean 482.8
Std Dev 449.5

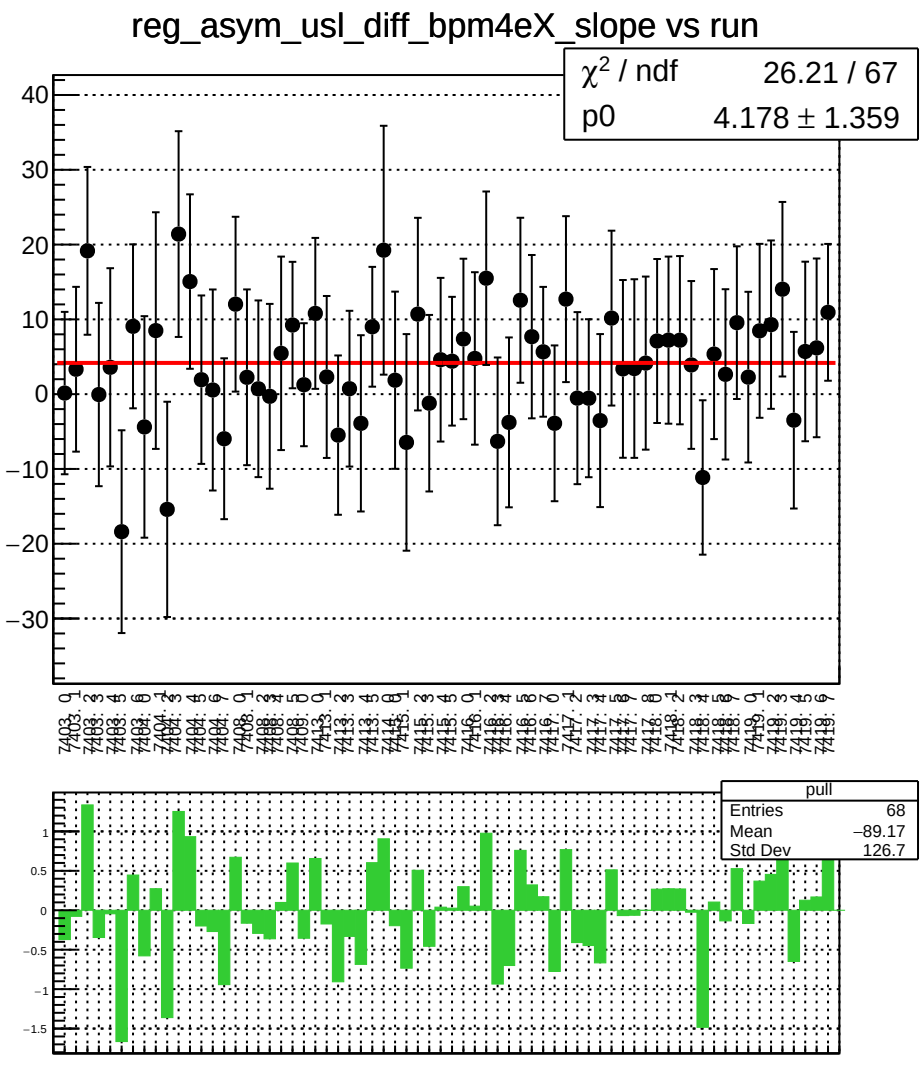

pull1D
Entries 68
Mean 0.04471
Std Dev 1.165

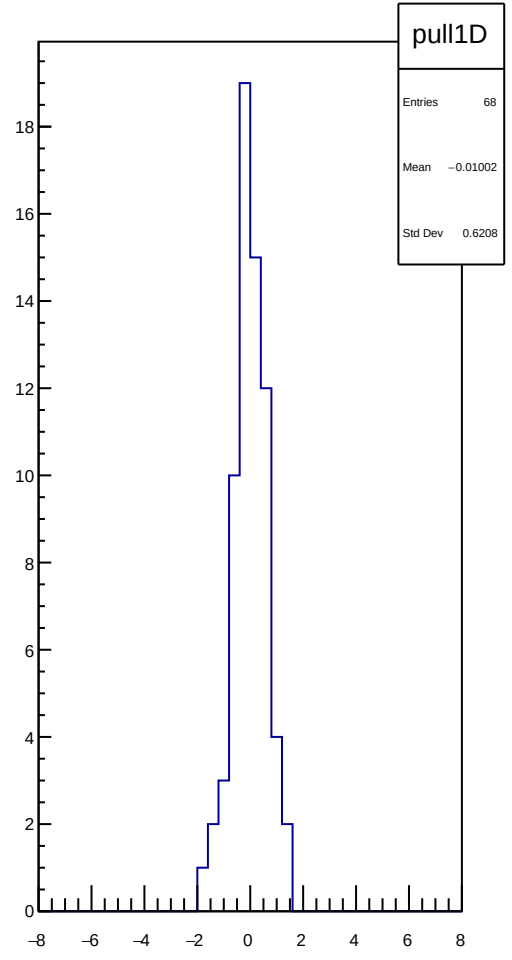

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 26.76 / 67
p0 −59.5 ± 1.308
pull
Entries 68
Mean −152.6
Std Dev 190.1

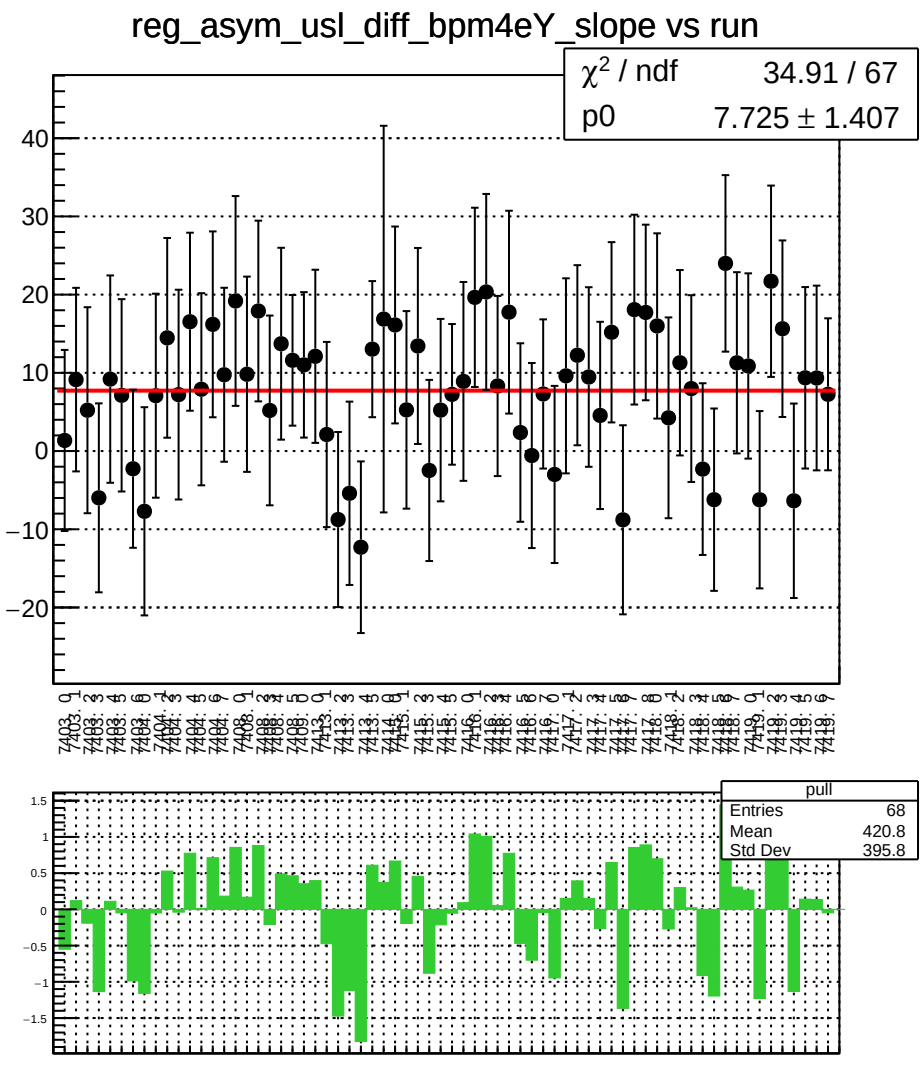

pull1D
Entries 68
Mean 0.01047
Std Dev 0.6273

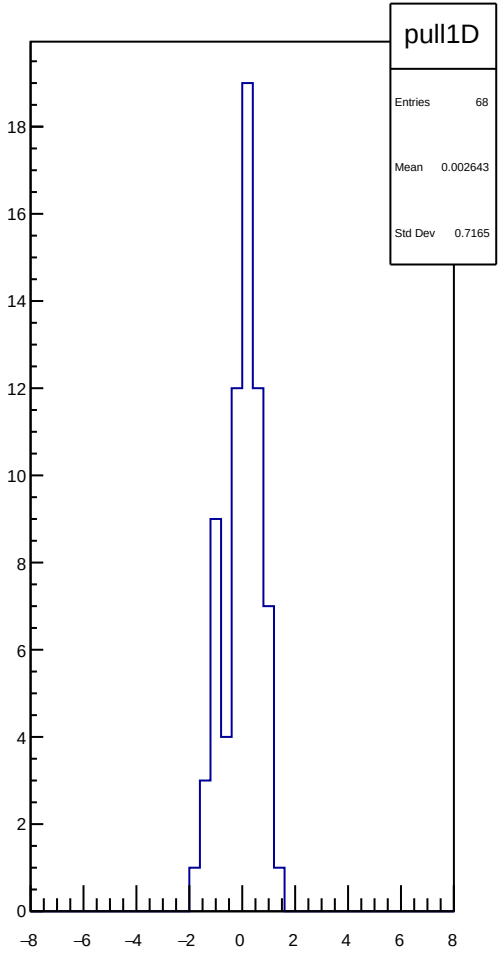

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 32.91 / 67
p0 9.064 ± 1.331
pull
Entries 68
Mean 231.1
Std Dev 204.2

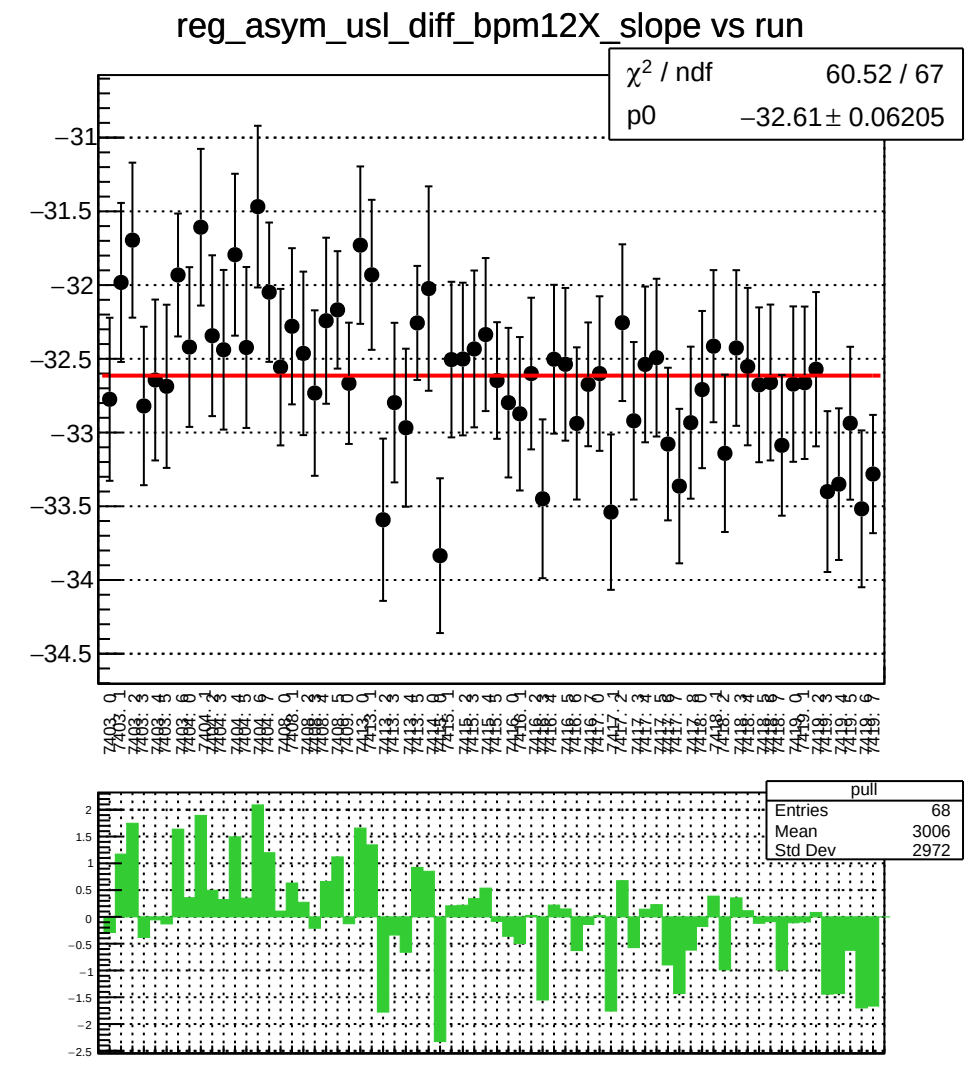

pull1D
Entries 68
Mean −0.004874
Std Dev 0.6957

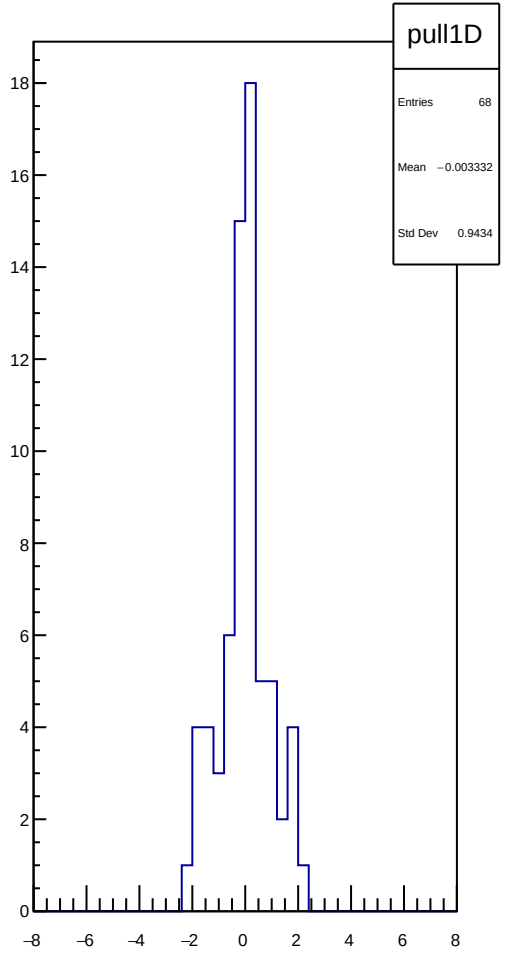

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 26.21 / 67
p0 4.178 ± 1.359
pull
Entries 68
Mean −89.17
Std Dev 126.7

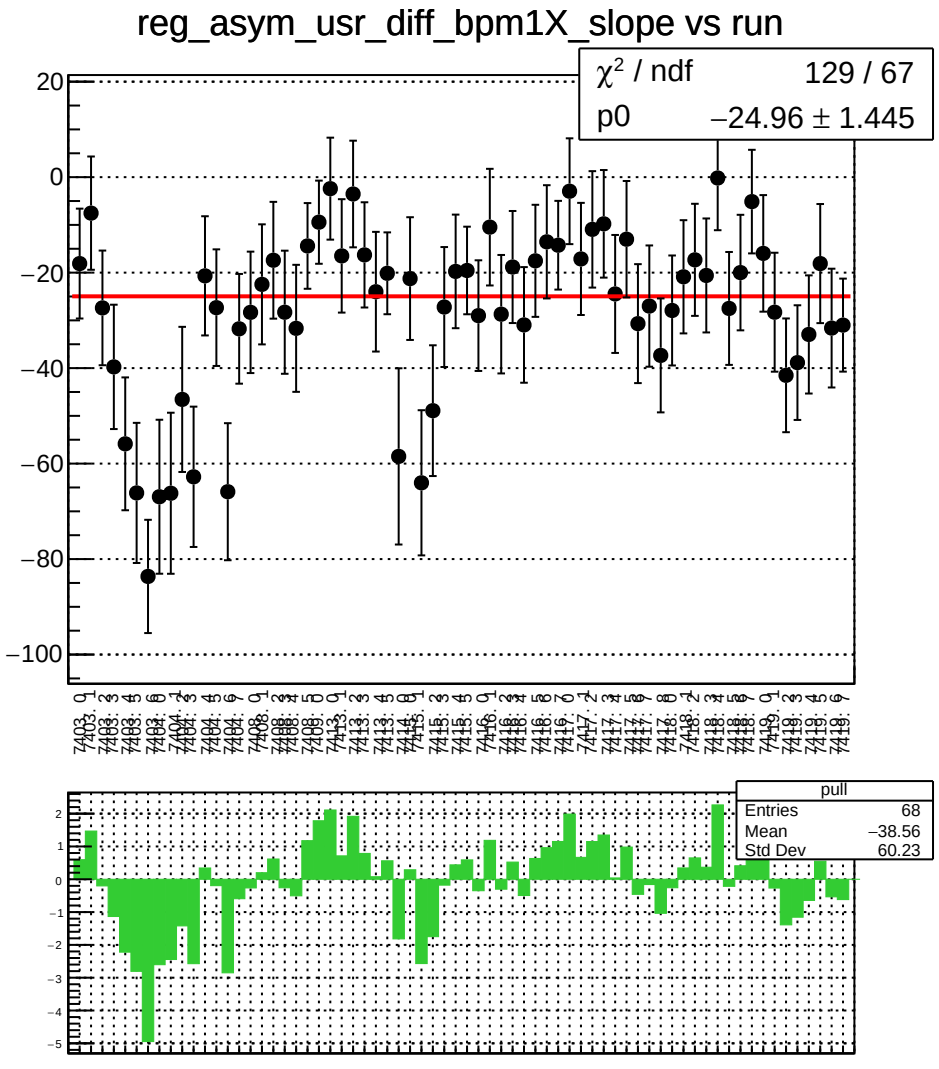

pull1D
Entries 68
Mean −0.01002
Std Dev 0.6208

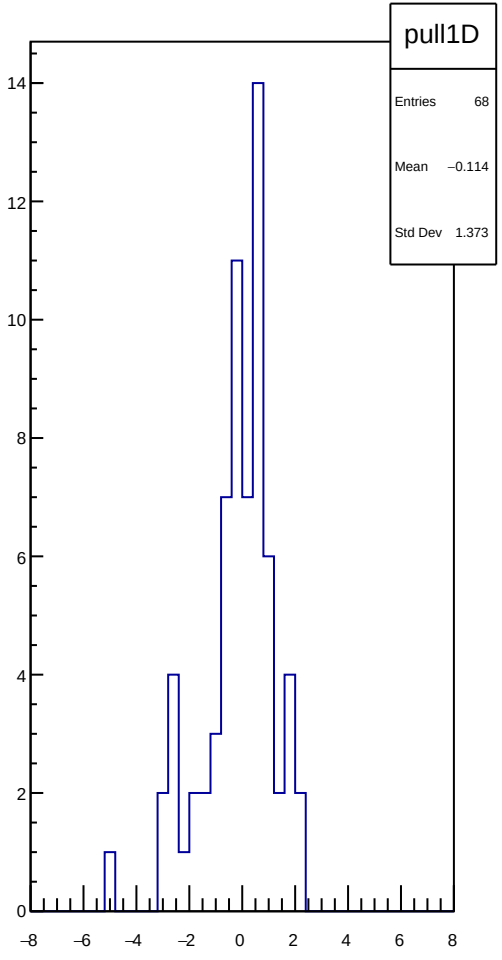

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 34.91 / 67
p0 7.725 ± 1.407
pull
Entries 68
Mean 420.8
Std Dev 395.8

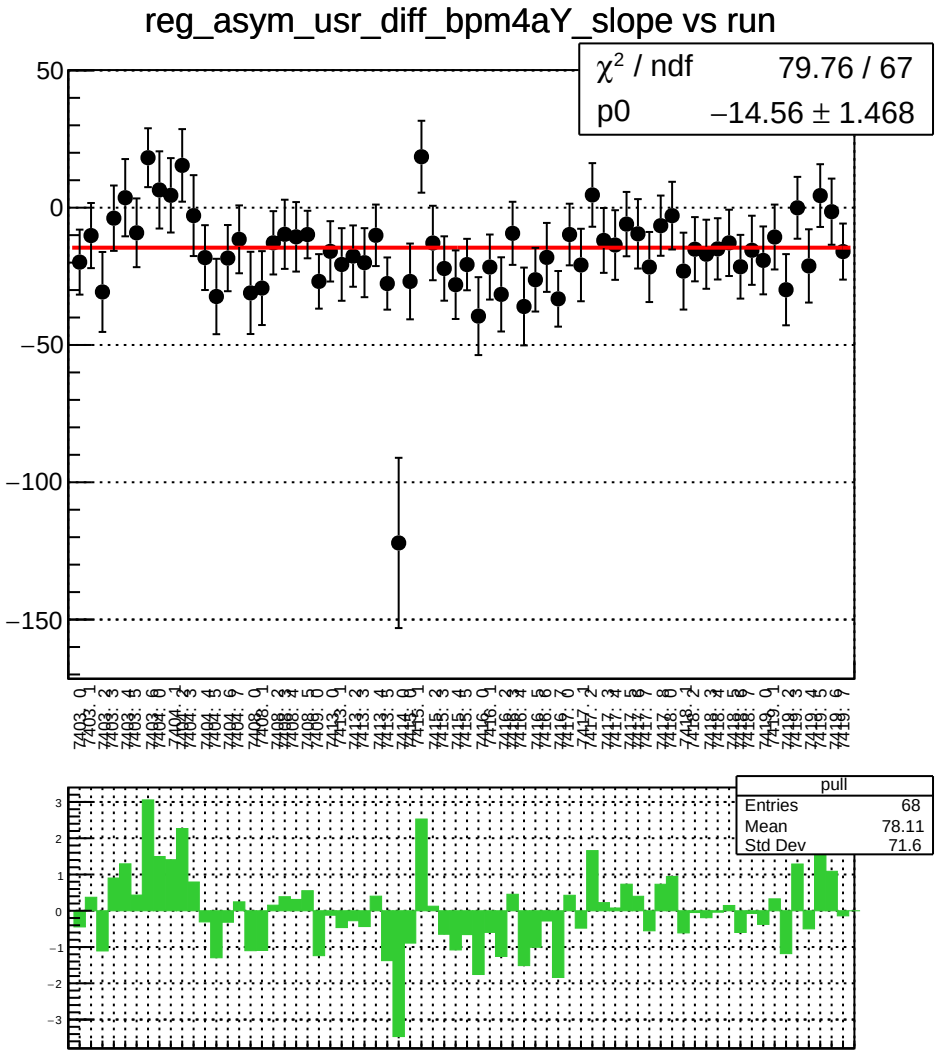

pull1D
Entries 68
Mean 0.002643
Std Dev 0.7165

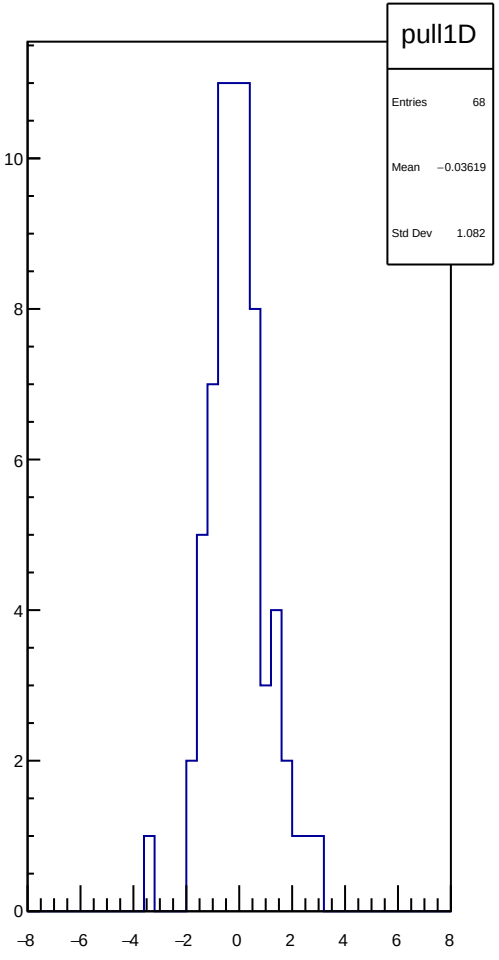

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 60.52 / 67
p0 −32.61 ± 0.06205
pull
Entries 68
Mean 3006
Std Dev 2972

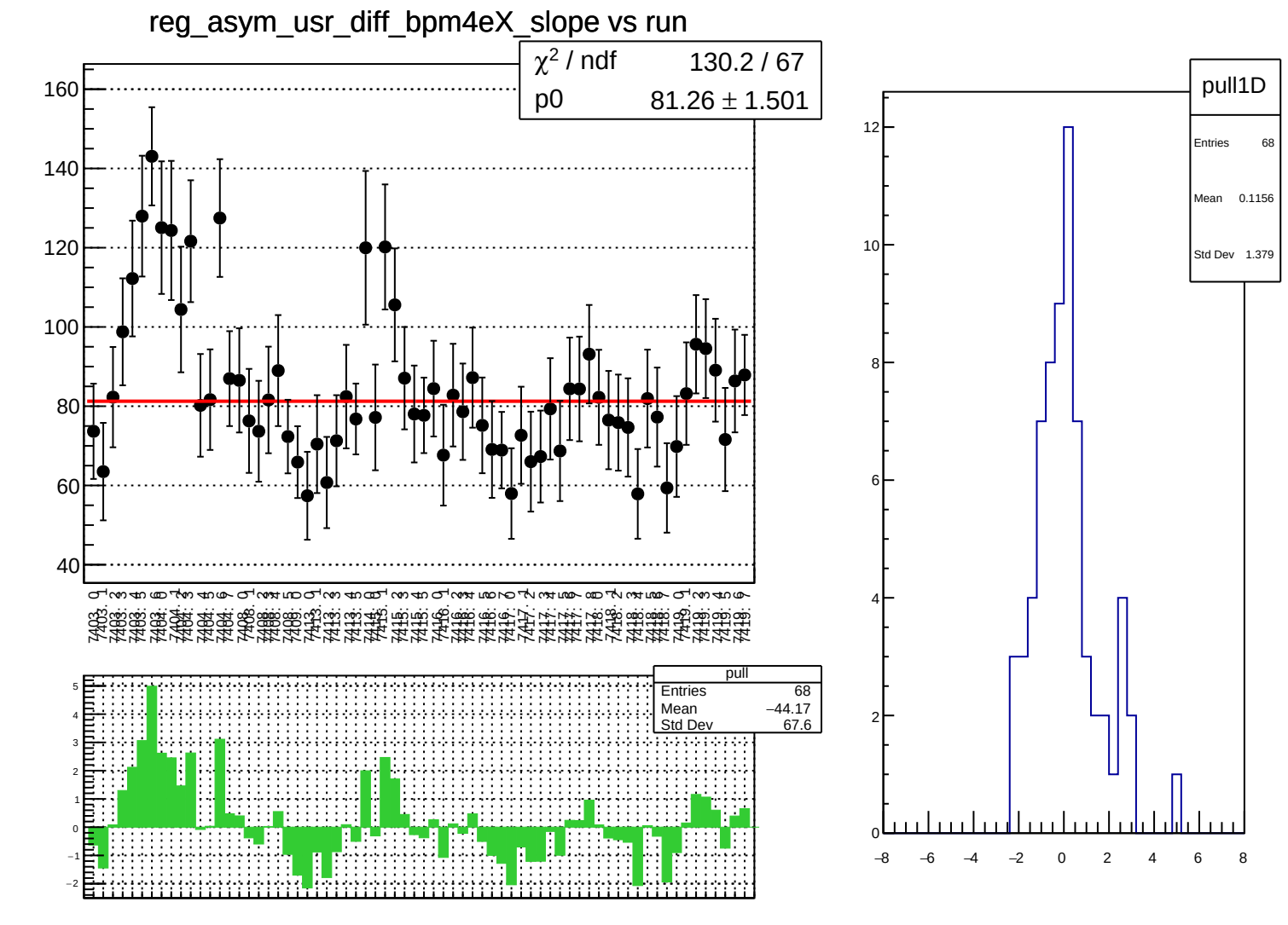

pull1D
Entries 68
Mean −0.003332
Std Dev 0.9434

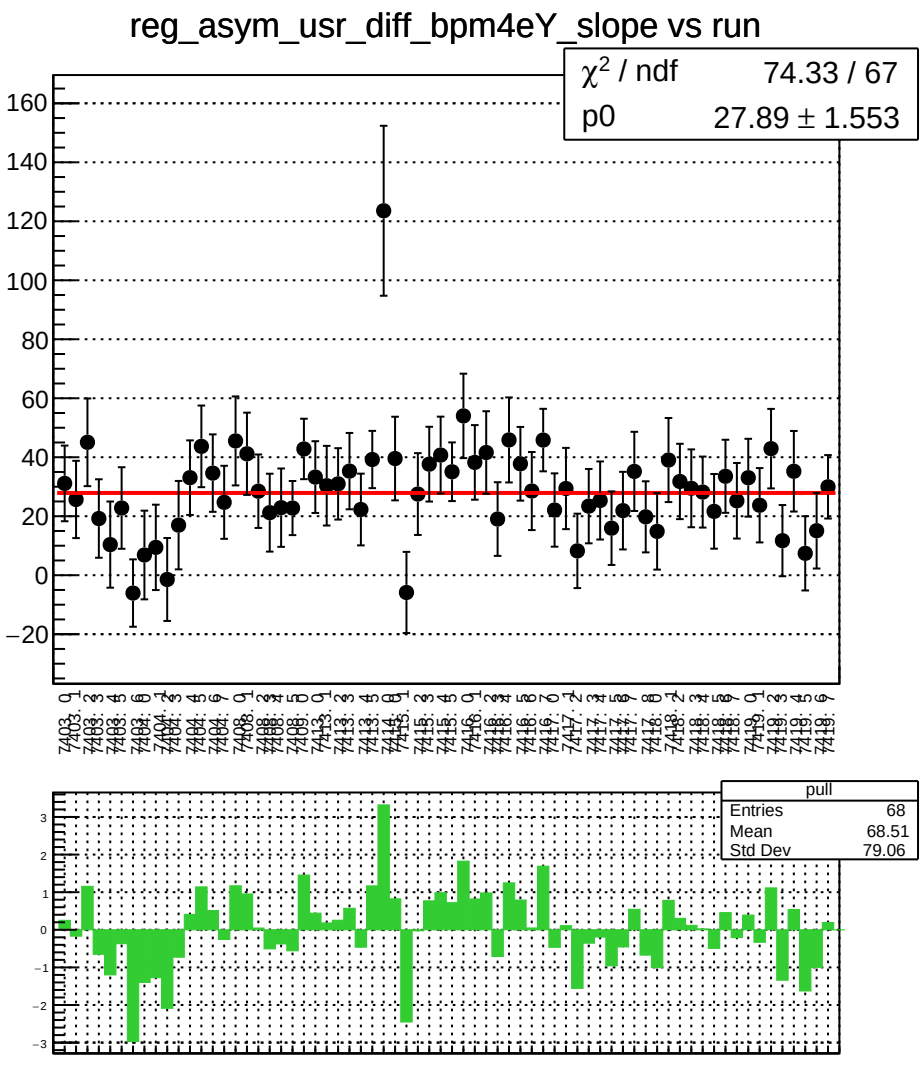

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 129 / 67
p0 −24.96 ± 1.445
pull
Entries 68
Mean −38.56
Std Dev 60.23

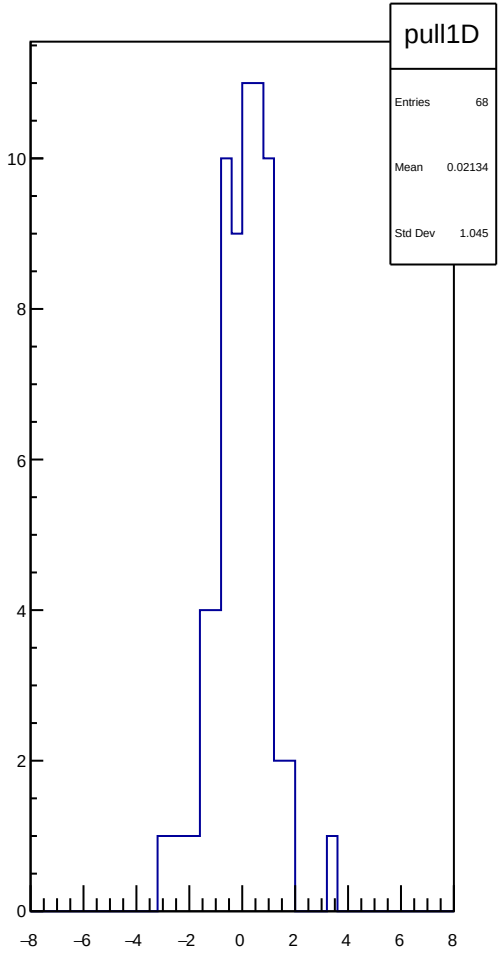

pull1D
Entries 68
Mean −0.114
Std Dev 1.373

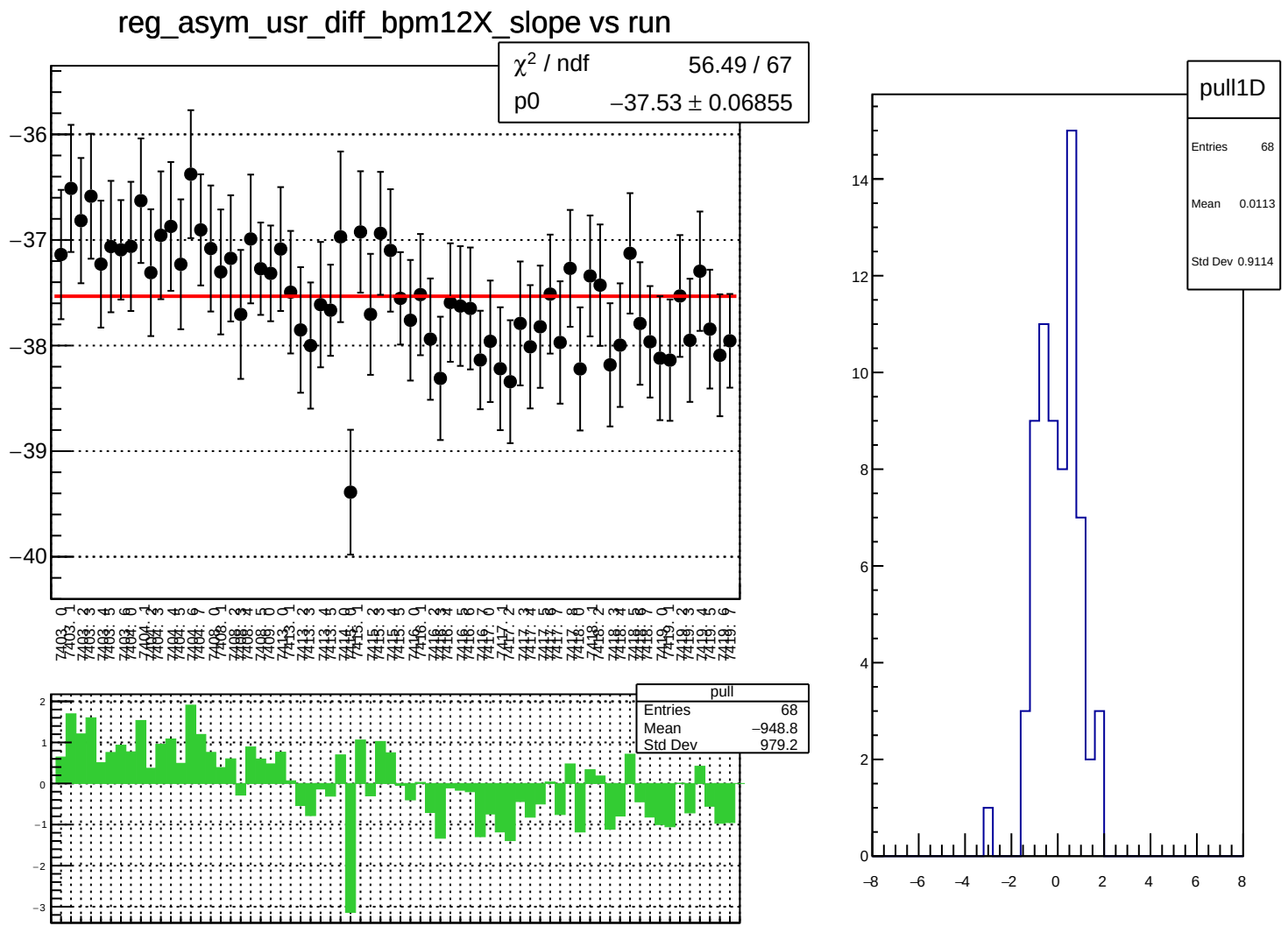

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 79.76 / 67
p0 −14.56 ± 1.468
pull
Entries 68
Mean 78.11
Std Dev 71.6

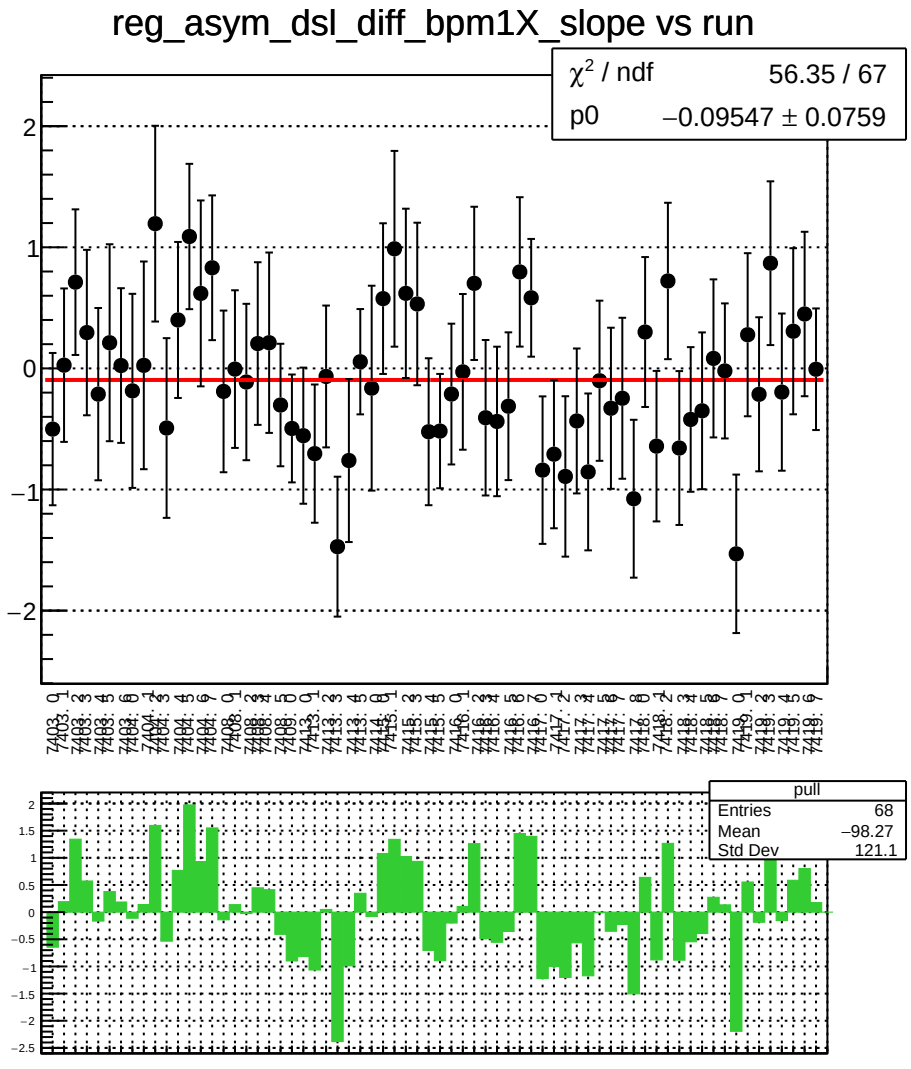

pull1D
Entries 68
Mean −0.03619
Std Dev 1.082

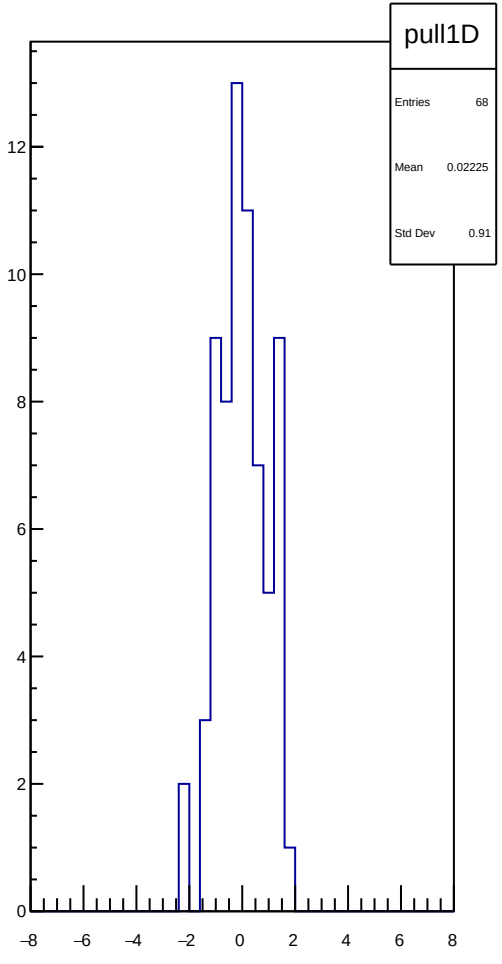

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 130.2 / 67
p0 81.26 ± 1.501
160
140
120
100
80
60
40
pull
Entries 68
Mean −44.17
Std Dev 67.6
5
4
3
2
1
0
−1
−2
pull1D
Entries 68
Mean 0.1156
Std Dev 1.379
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

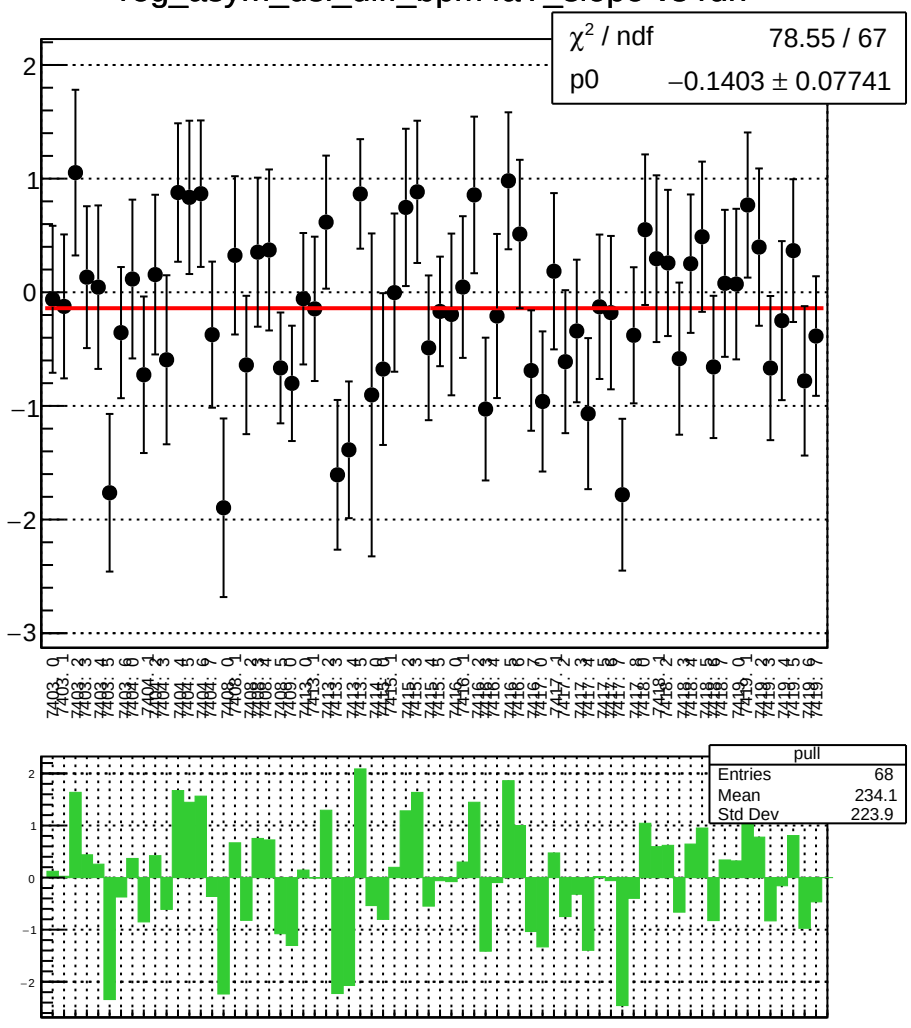

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 74.33 / 67
p0 27.89 ± 1.553
pull
Entries 68
Mean 68.51
Std Dev 79.06

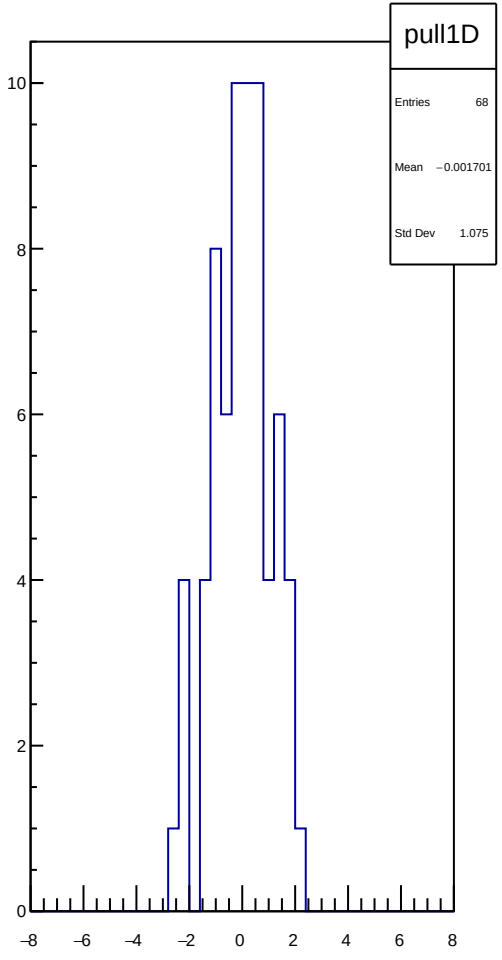

pull1D
Entries 68
Mean 0.02134
Std Dev 1.045

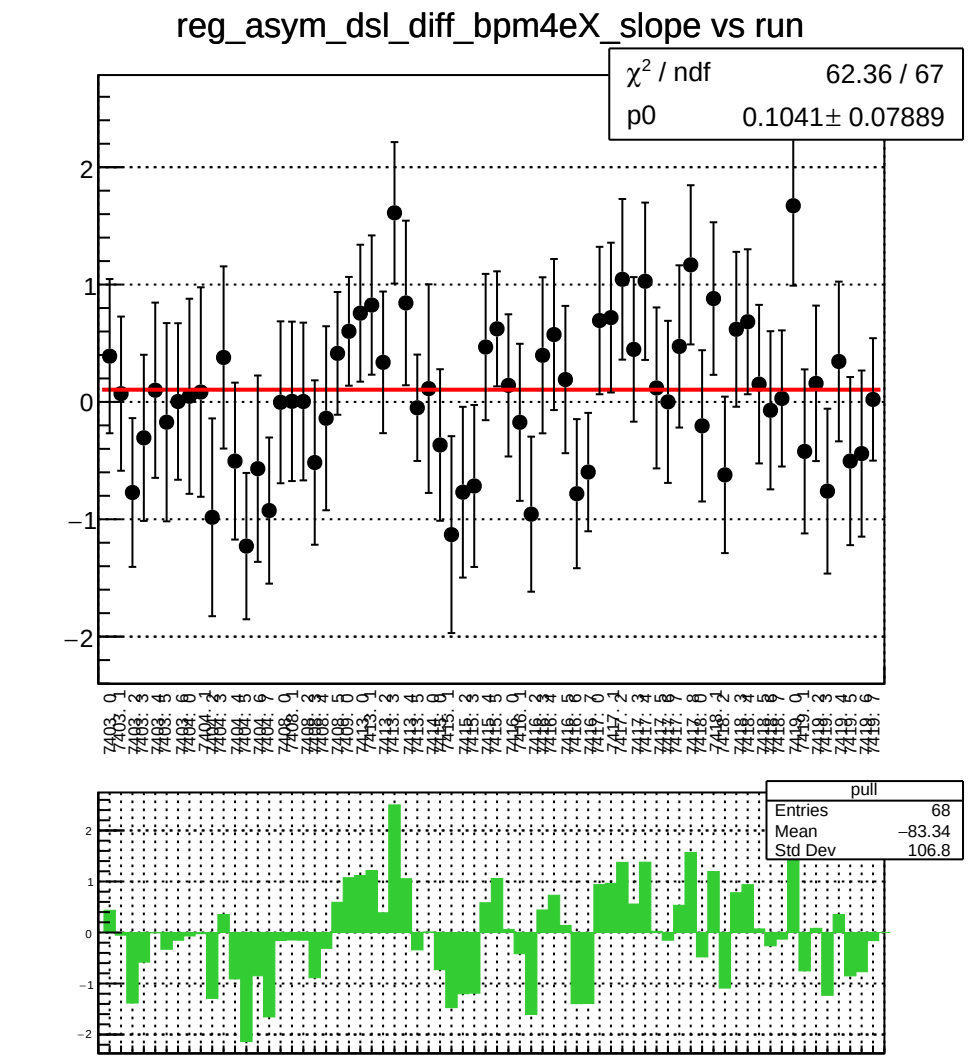

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 56.49 / 67
p0 −37.53 ± 0.06855
pull
Entries 68
Mean −948.8
Std Dev 979.2
pull1D
Entries 68
Mean 0.0113
Std Dev 0.9114

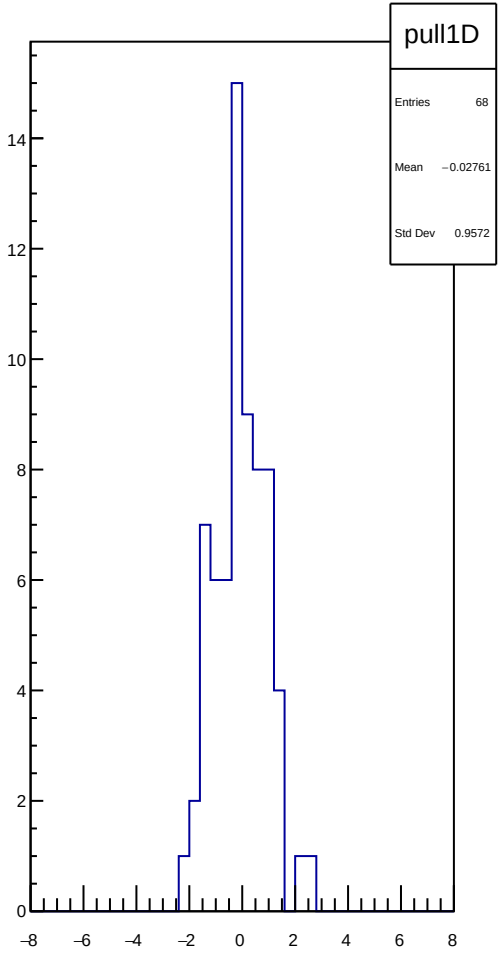

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 56.35 / 67
p0 −0.09547 ± 0.0759
pull
Entries 68
Mean −98.27
Std Dev 121.1

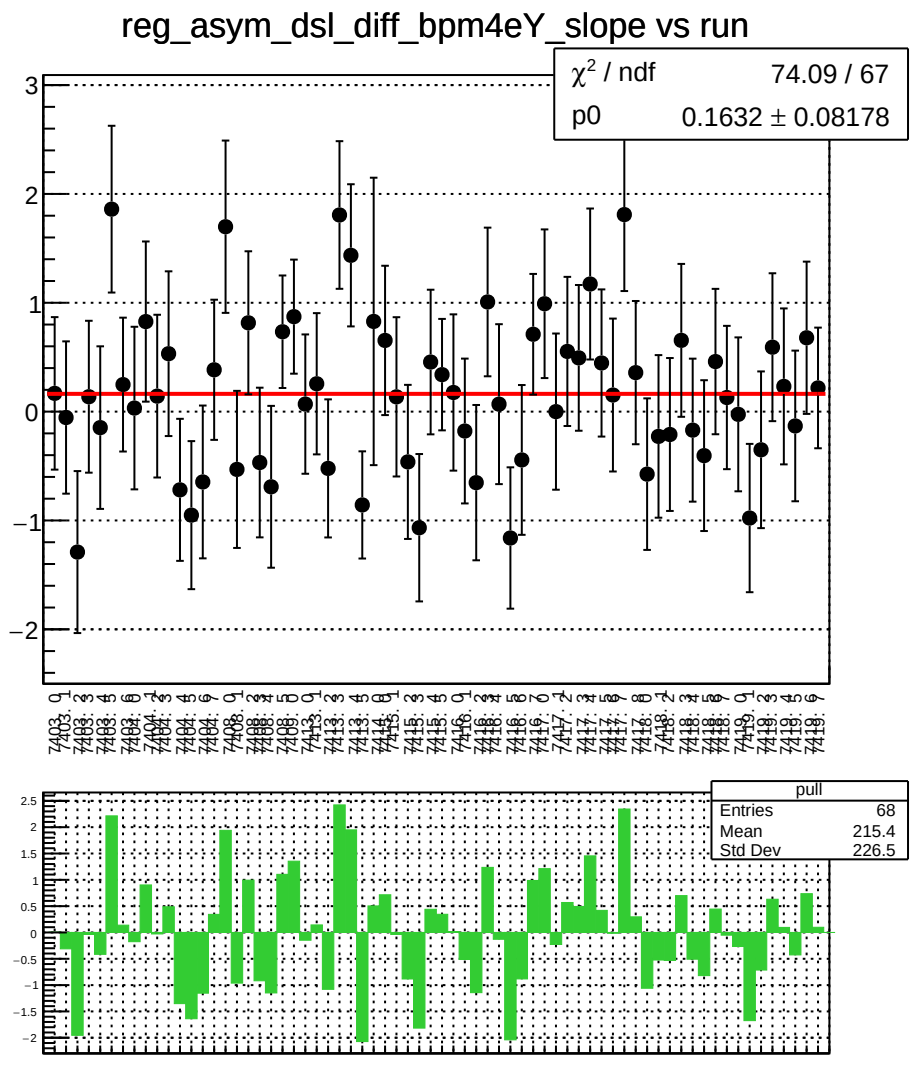

pull1D
Entries 68
Mean 0.02225
Std Dev 0.91

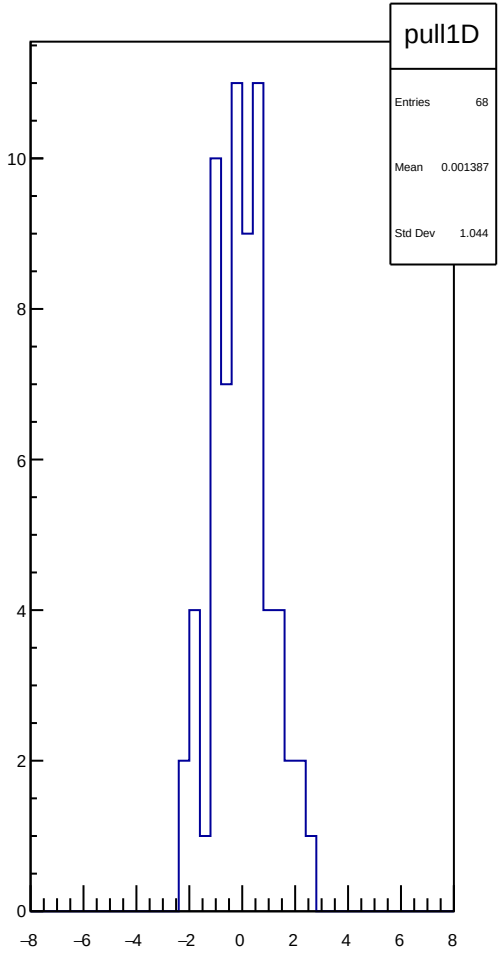

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 78.55 / 67
p0 −0.1403 ± 0.07741
pull
Entries 68
Mean 234.1
Std Dev 223.9

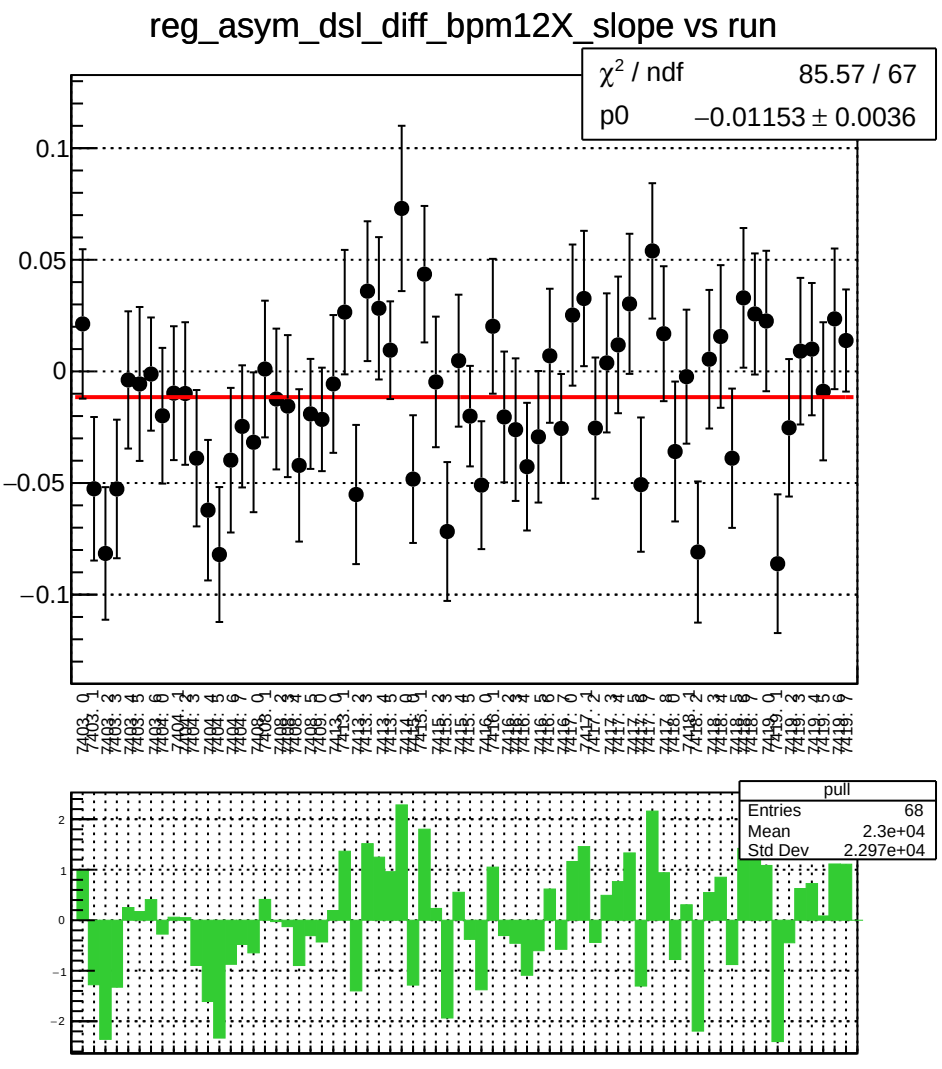

pull1D
Entries 68
Mean −0.001701
Std Dev 1.075

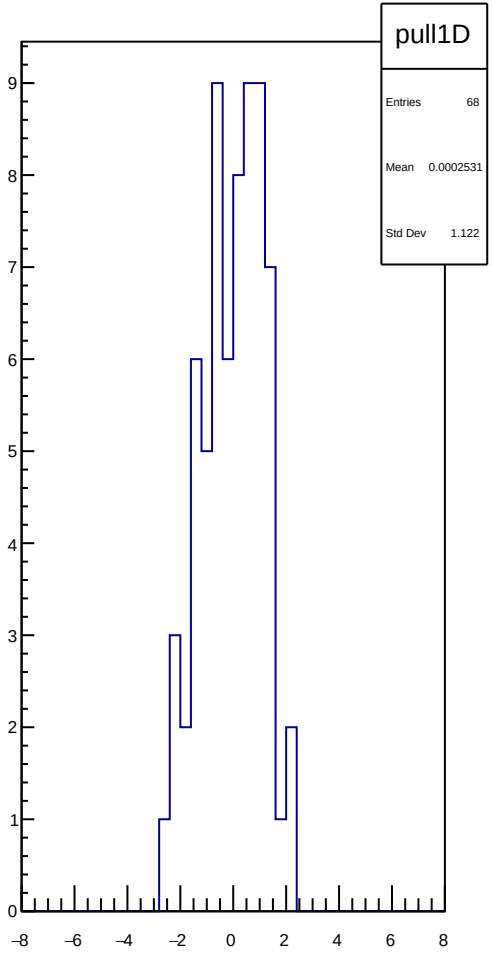

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 62.36 / 67
p0 0.1041± 0.07889
pull
Entries 68
Mean −83.34
Std Dev 106.8

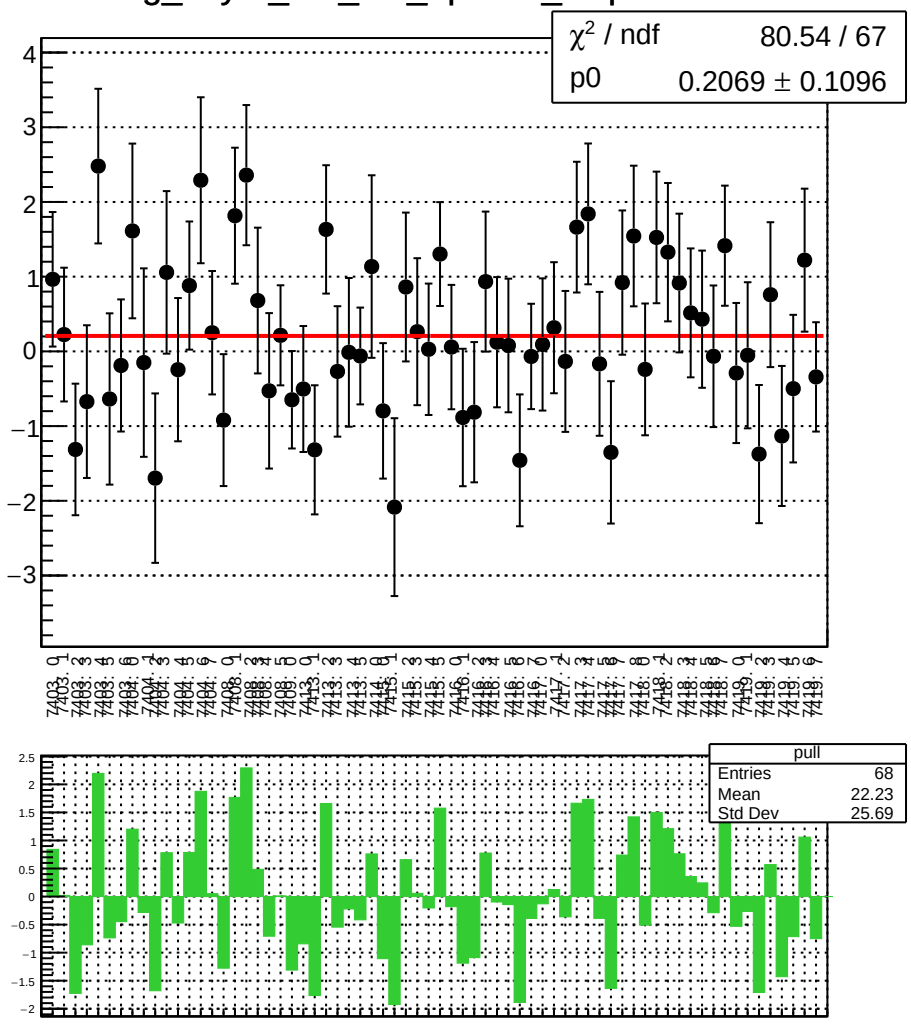

pull1D
Entries 68
Mean −0.02761
Std Dev 0.9572

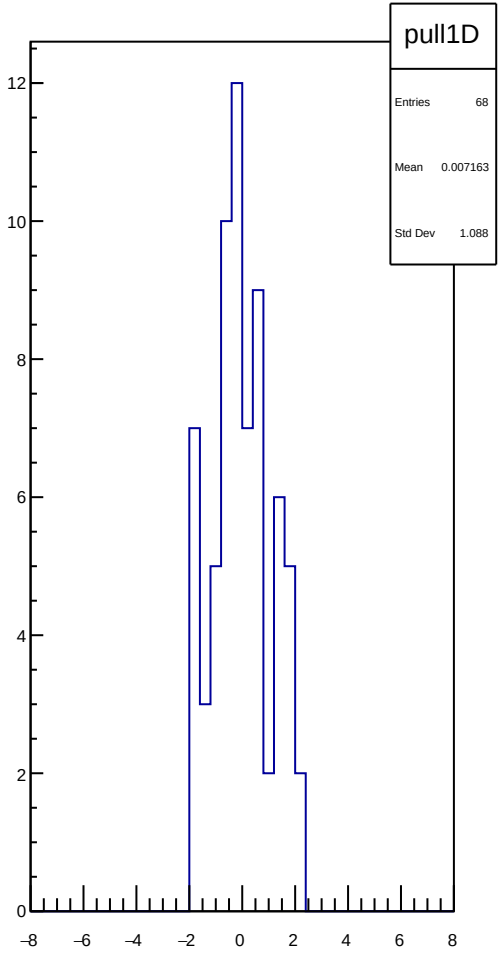

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 74.09 / 67
p0 0.1632 ± 0.08178
pull
Entries 68
Mean 215.4
Std Dev 226.5

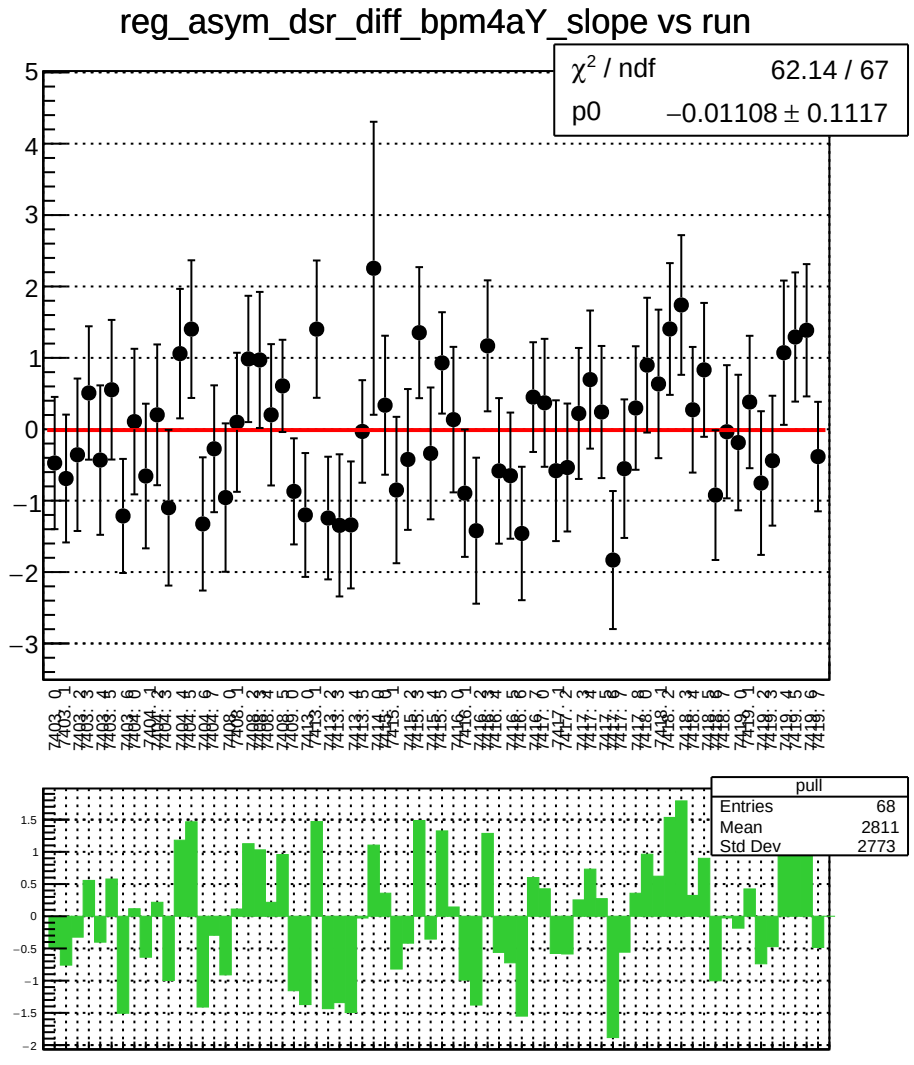

pull1D
Entries 68
Mean 0.001387
Std Dev 1.044

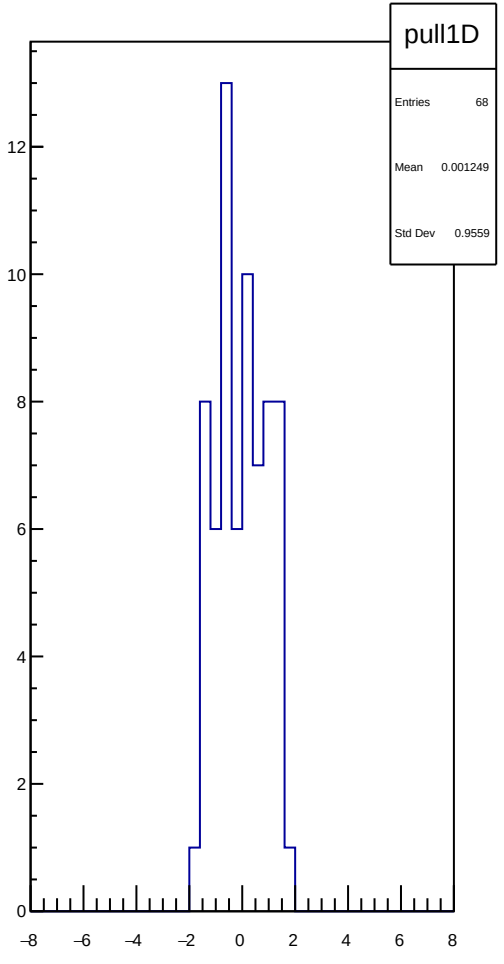

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 85.57 / 67
p0 −0.01153 ± 0.0036
0.1
0.05
0
−0.05
−0.1
pull
Entries 68
Mean 2.3e+04
Std Dev 2.297e+04
2
1
0
−1
−2

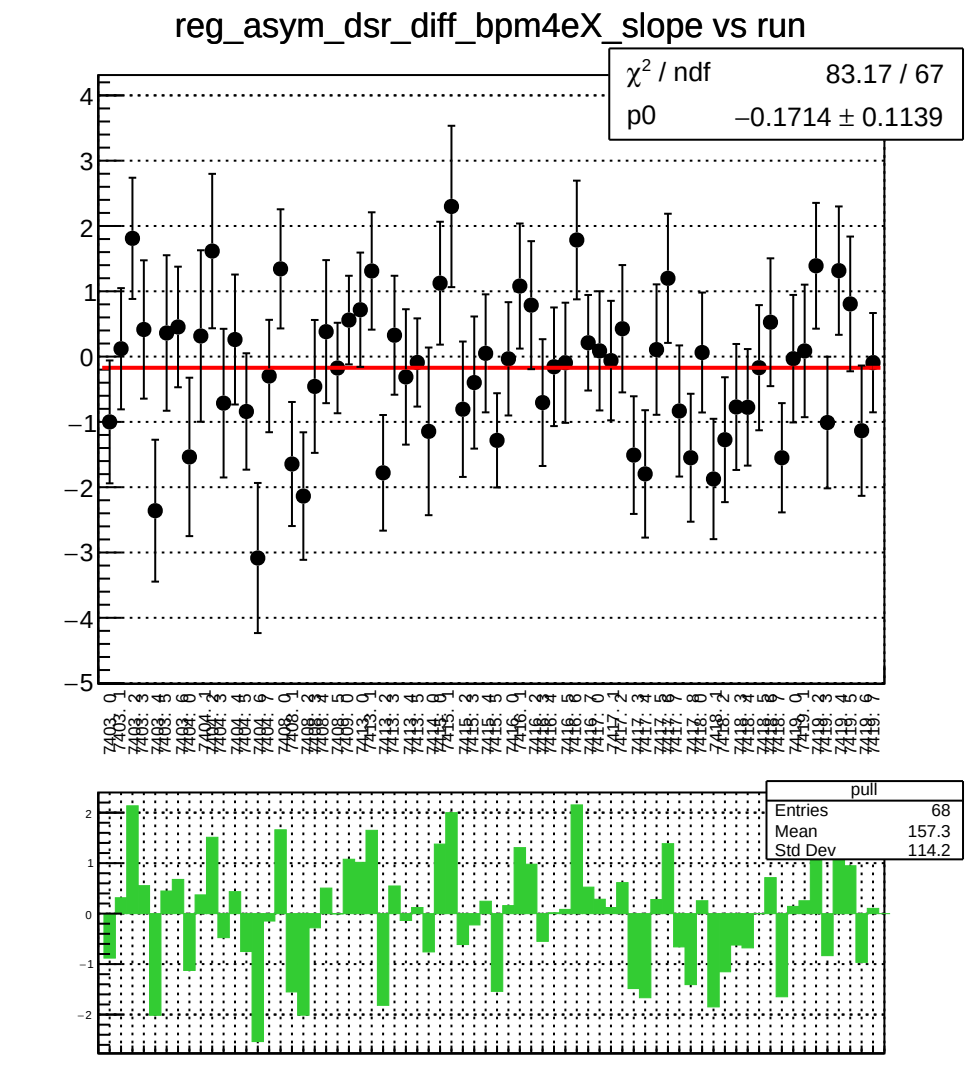

pull1D
Entries 68
Mean 0.0002531
Std Dev 1.122
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

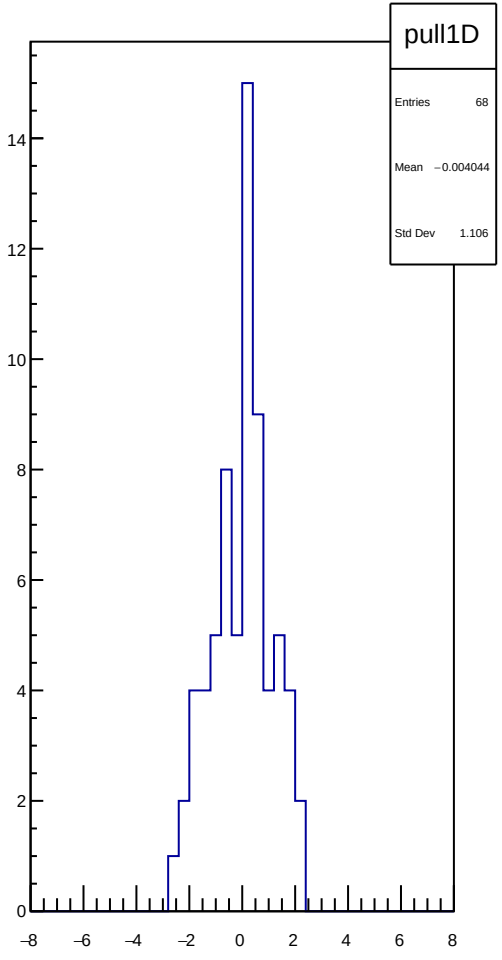

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 80.54 / 67
p0 0.2069 ± 0.1096
pull
Entries 68
Mean 22.23
Std Dev 25.69

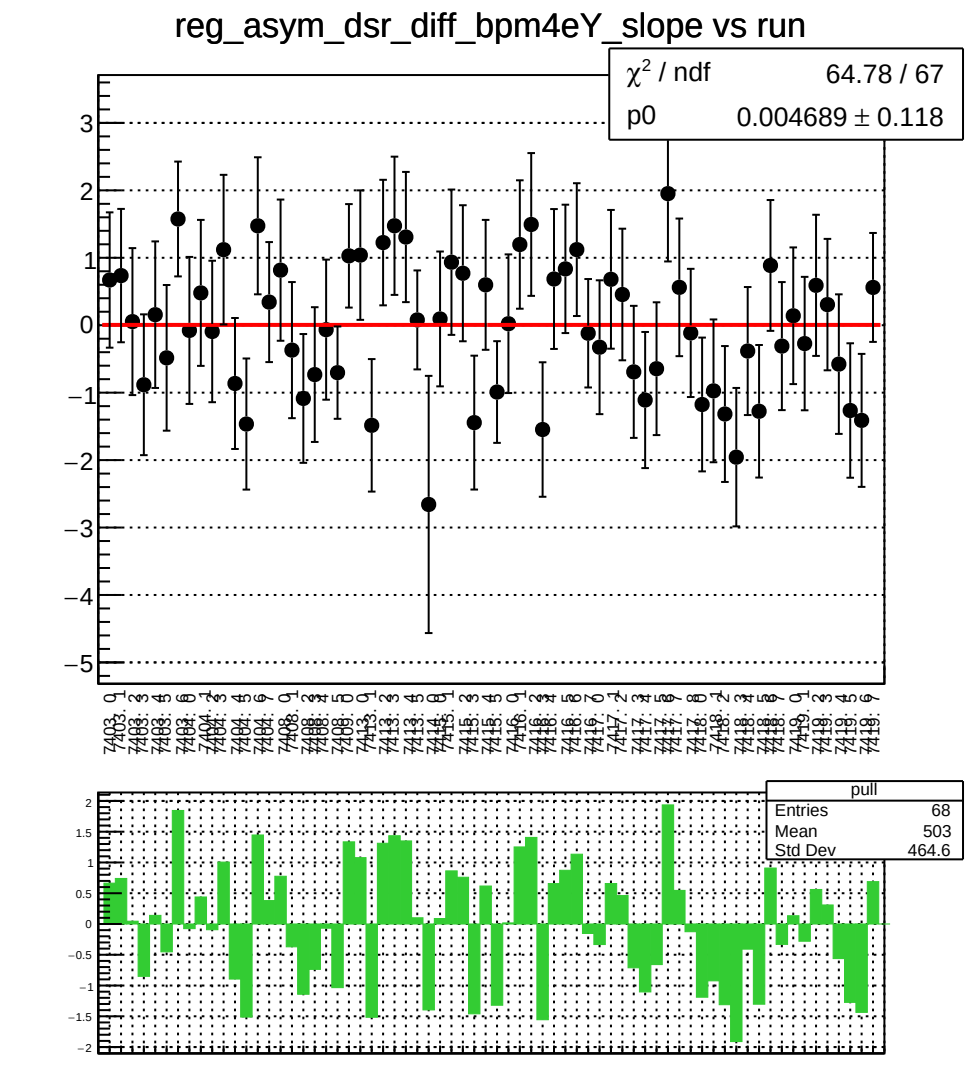

pull1D
Entries 68
Mean 0.007163
Std Dev 1.088

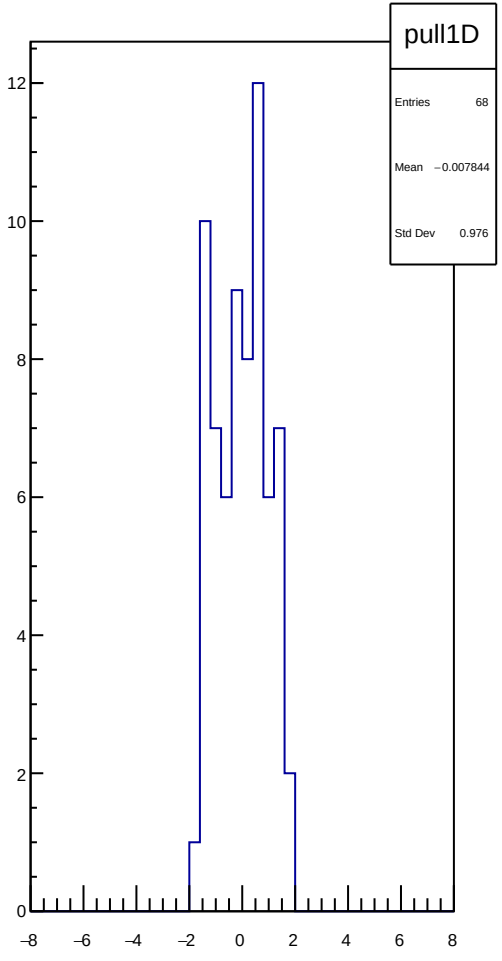

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 62.14 / 67
p0 −0.01108 ± 0.1117
pull
Entries 68
Mean 2811
Std Dev 2773

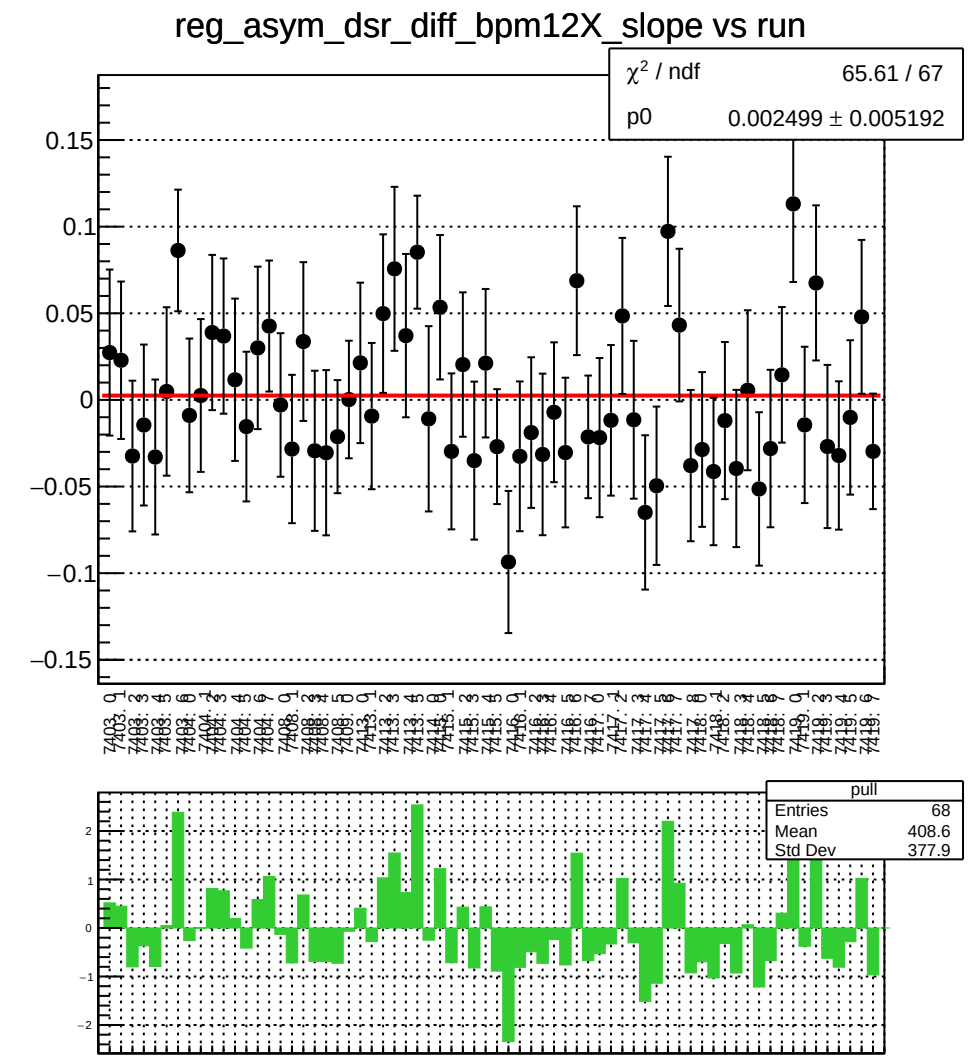

pull1D
Entries 68
Mean 0.001249
Std Dev 0.9559

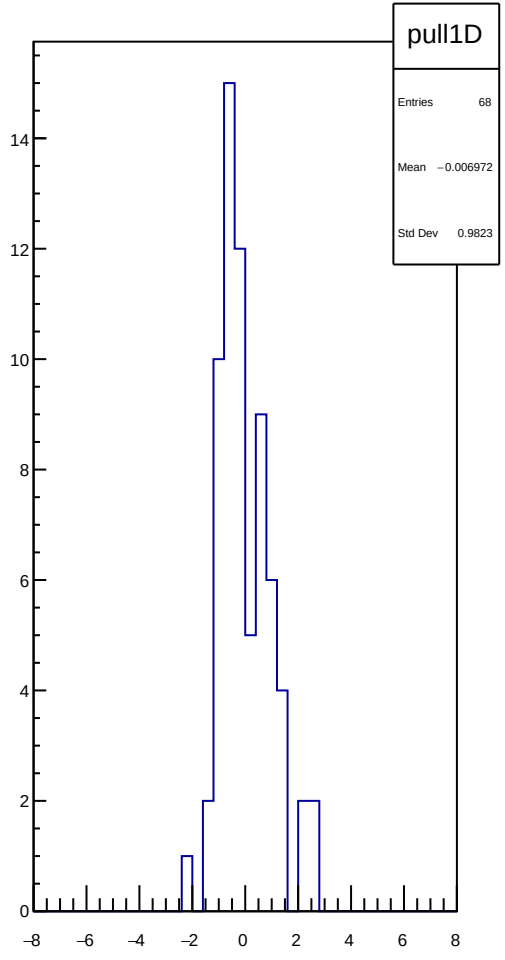

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 83.17 / 67
p0 −0.1714 ± 0.1139
pull
Entries 68
Mean 157.3
Std Dev 114.2

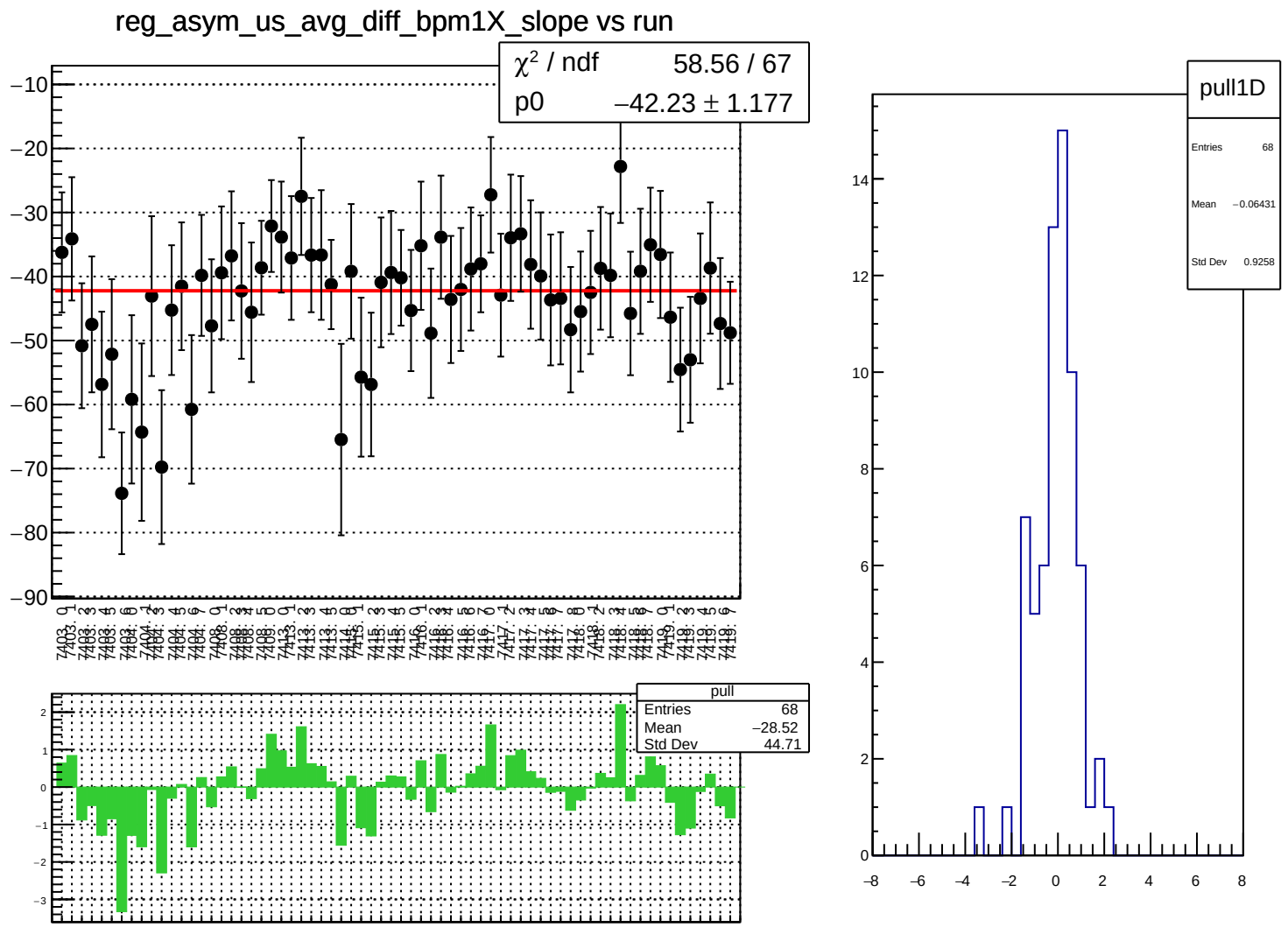

pull1D
Entries 68
Mean −0.004044
Std Dev 1.106

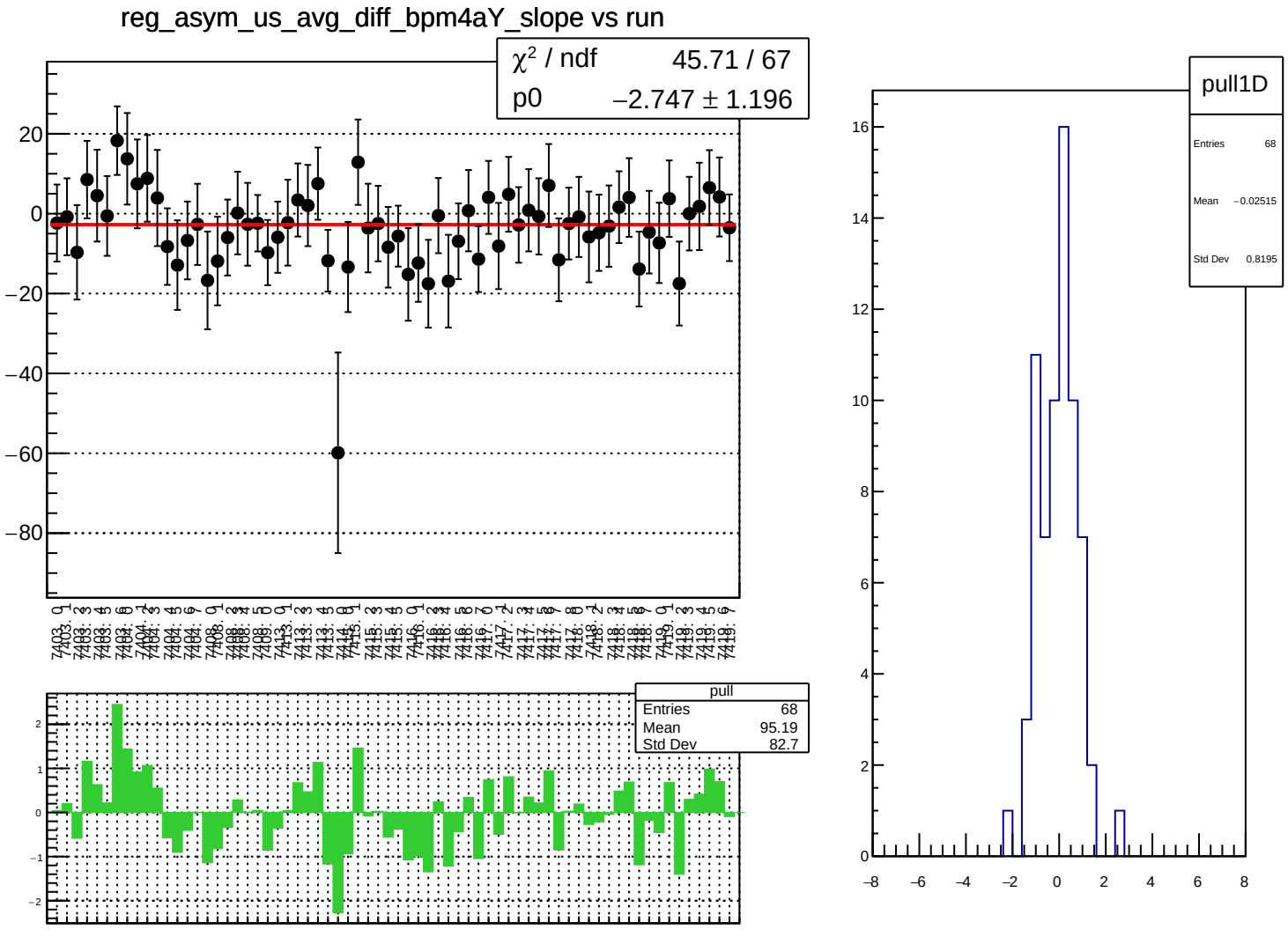

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 64.78 / 67
p0 0.004689 ± 0.118
pull
Entries 68
Mean 503
Std Dev 464.6

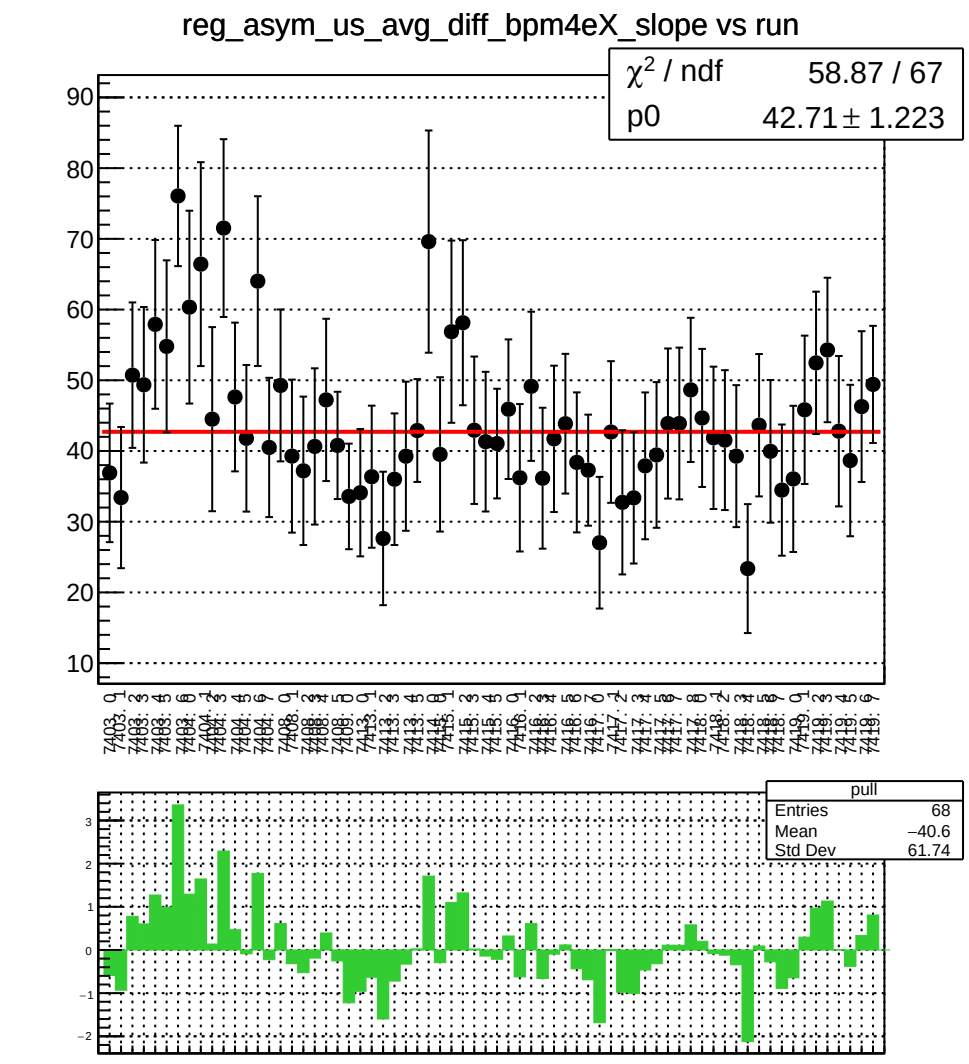

pull1D
Entries 68
Mean −0.007844
Std Dev 0.976

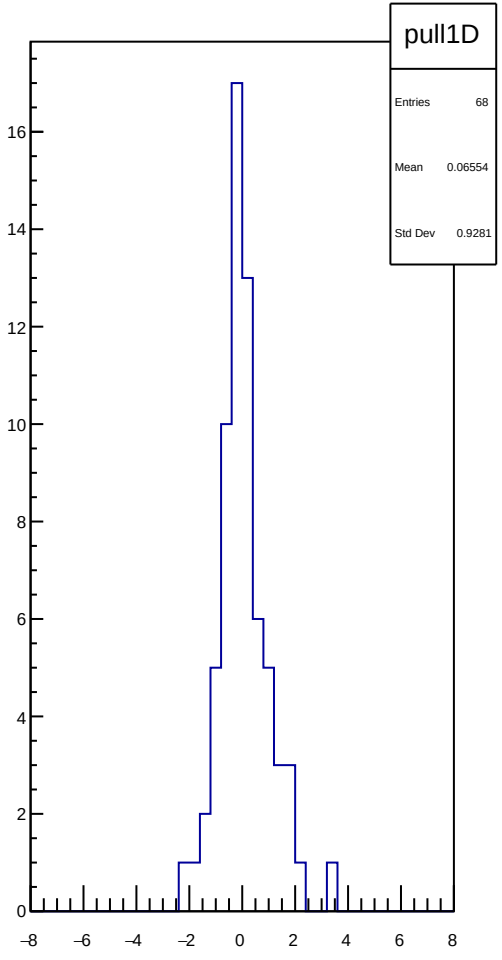

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 65.61 / 67
p0 0.002499 ± 0.005192
pull
Entries 68
Mean 408.6
Std Dev 377.9

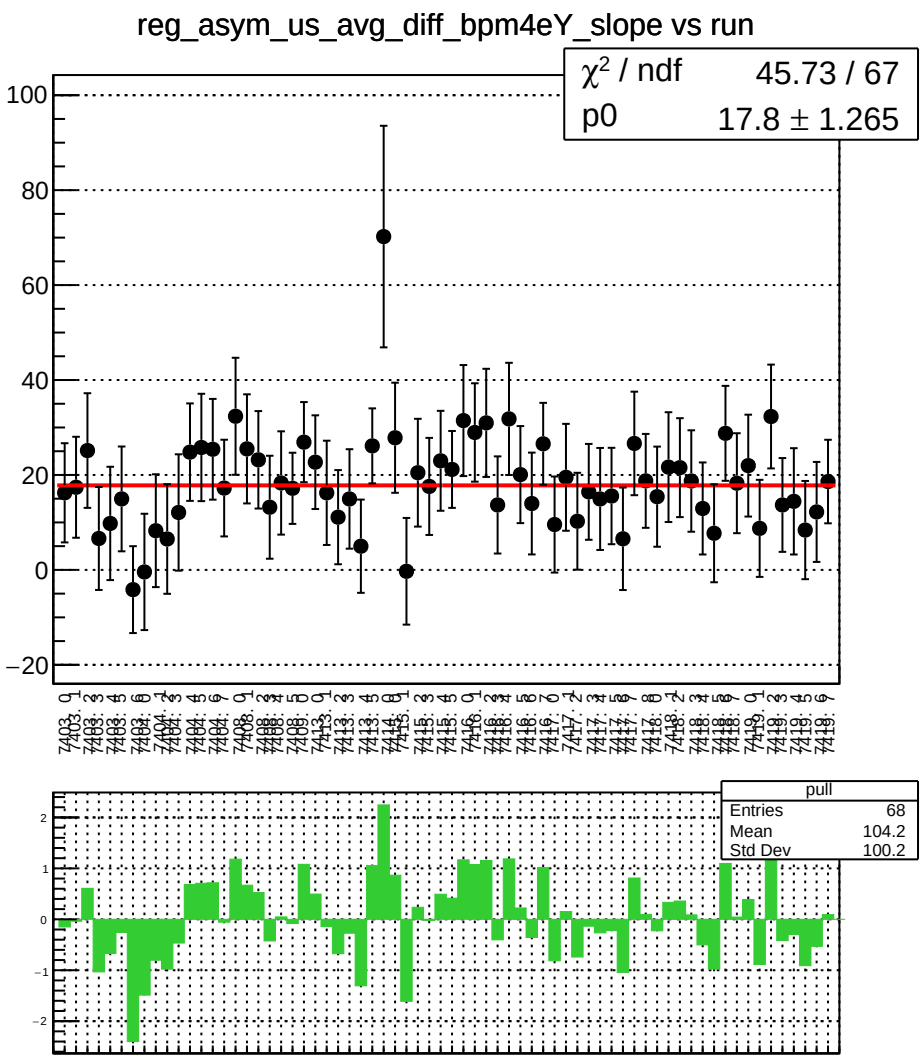

pull1D
Entries 68
Mean −0.006972
Std Dev 0.9823

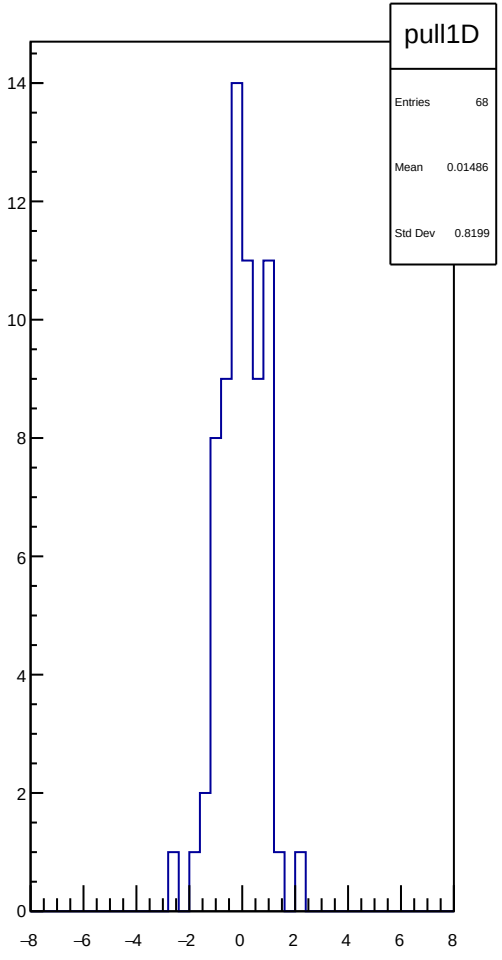

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 58.56 / 67
p0 −42.23 ± 1.177
pull
Entries 68
Mean −28.52
Std Dev 44.71
pull1D
Entries 68
Mean −0.06431
Std Dev 0.9258

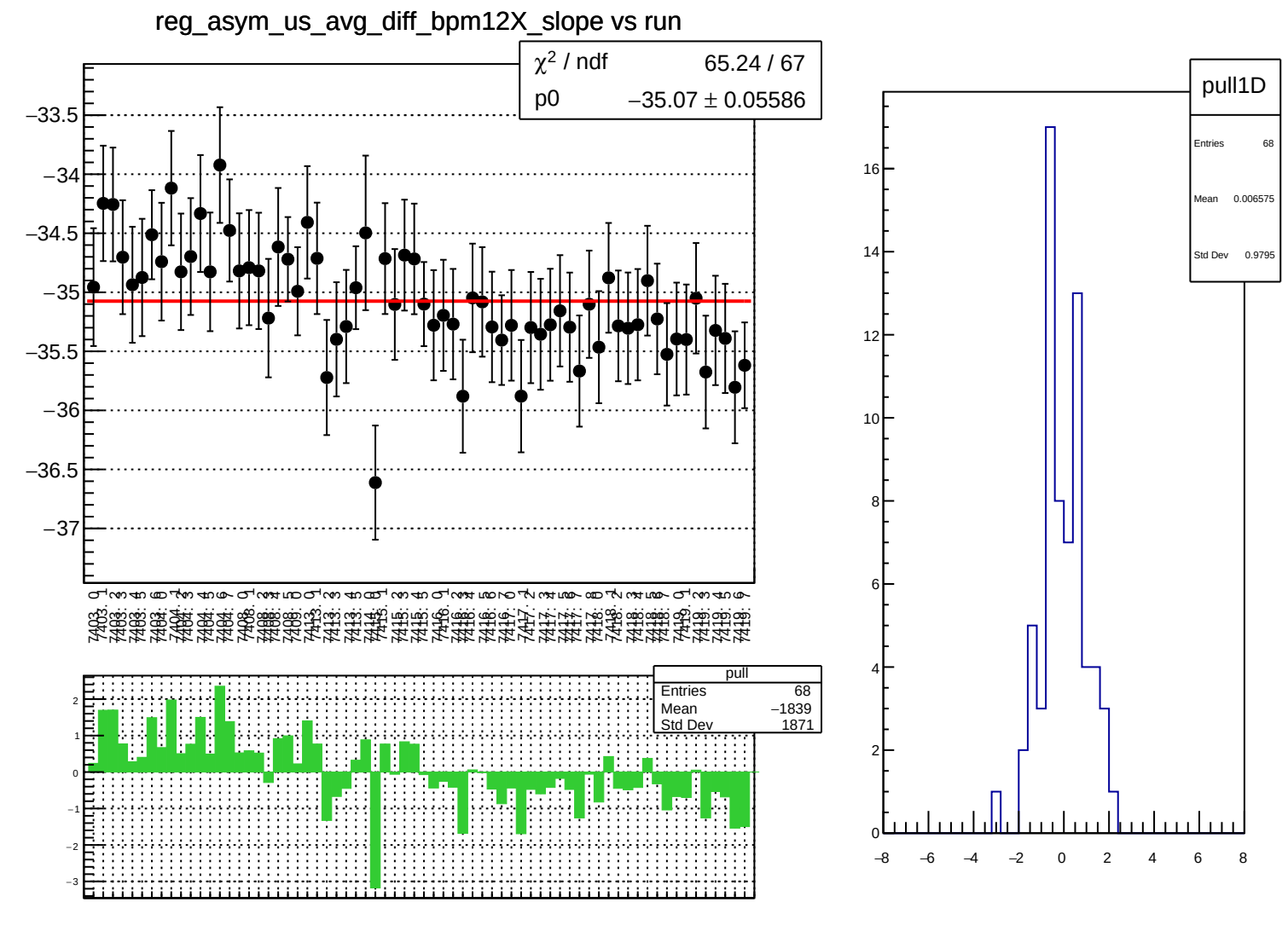

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.71 / 67
p0 −2.747 ± 1.196
pull
Entries 68
Mean 95.19
Std Dev 82.7
pull1D
Entries 68
Mean −0.02515
Std Dev 0.8195

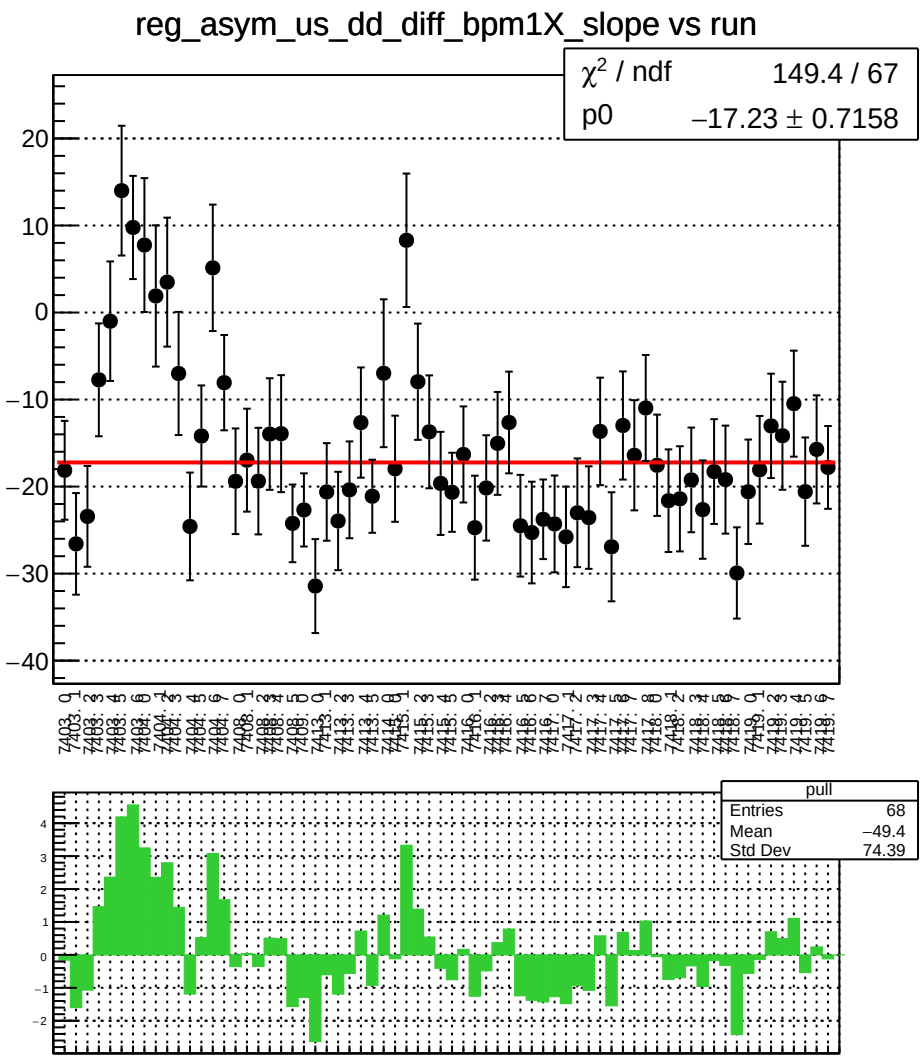

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.87 / 67
p0 42.71 ± 1.223
pull
Entries 68
Mean −40.6
Std Dev 61.74

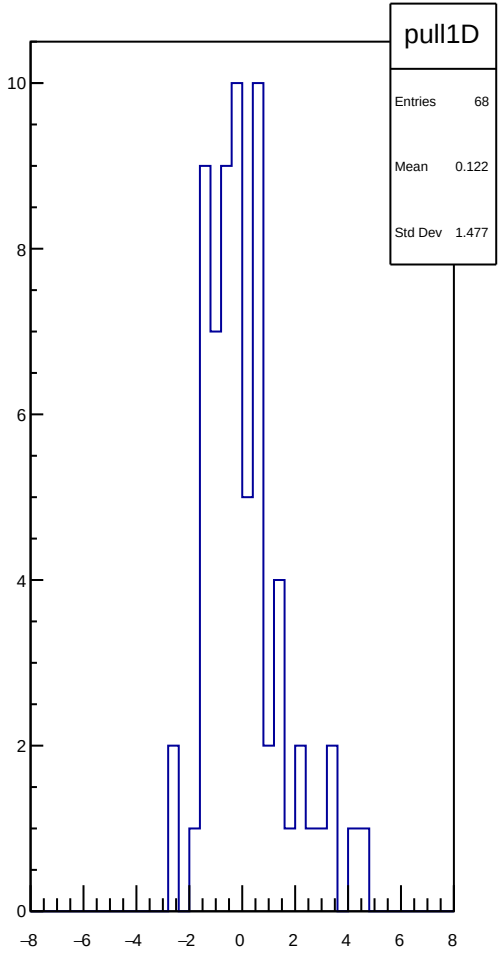

pull1D
Entries 68
Mean 0.06554
Std Dev 0.9281

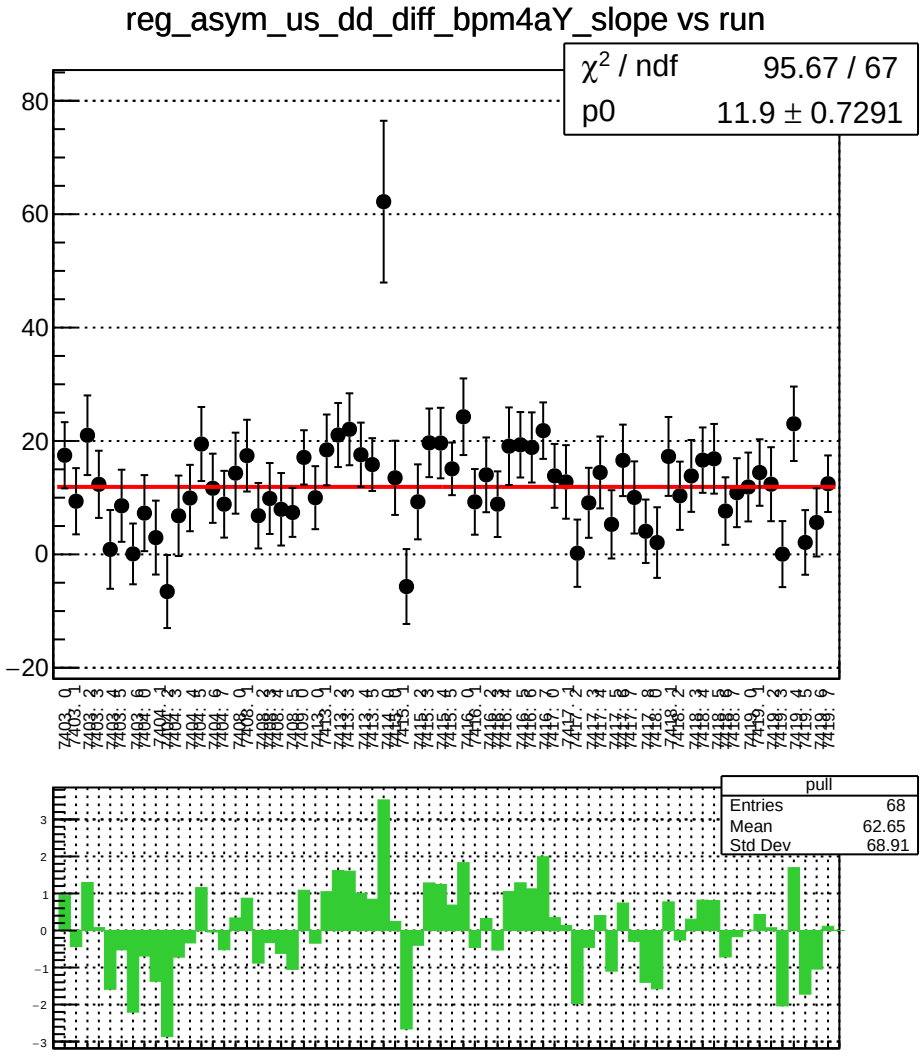

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.73 / 67
p0 17.8 ± 1.265
pull
Entries 68
Mean 104.2
Std Dev 100.2

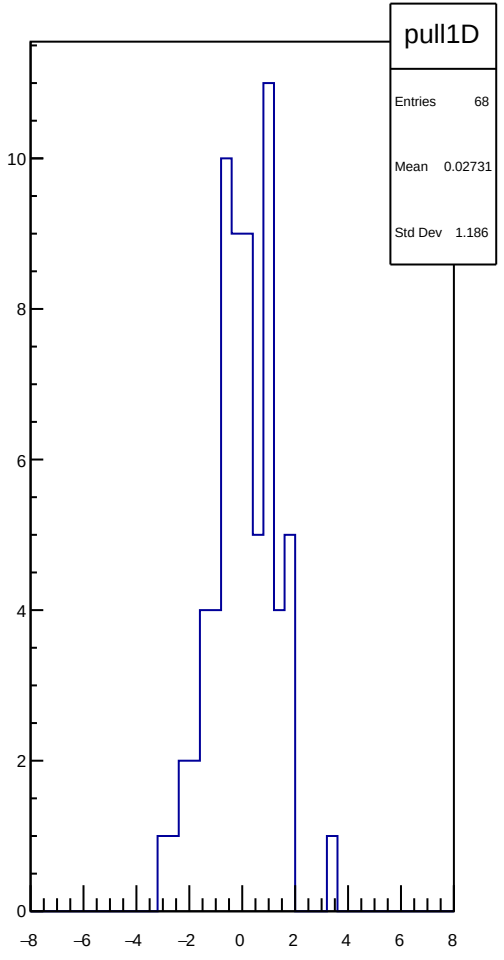

pull1D
Entries 68
Mean 0.01486
Std Dev 0.8199

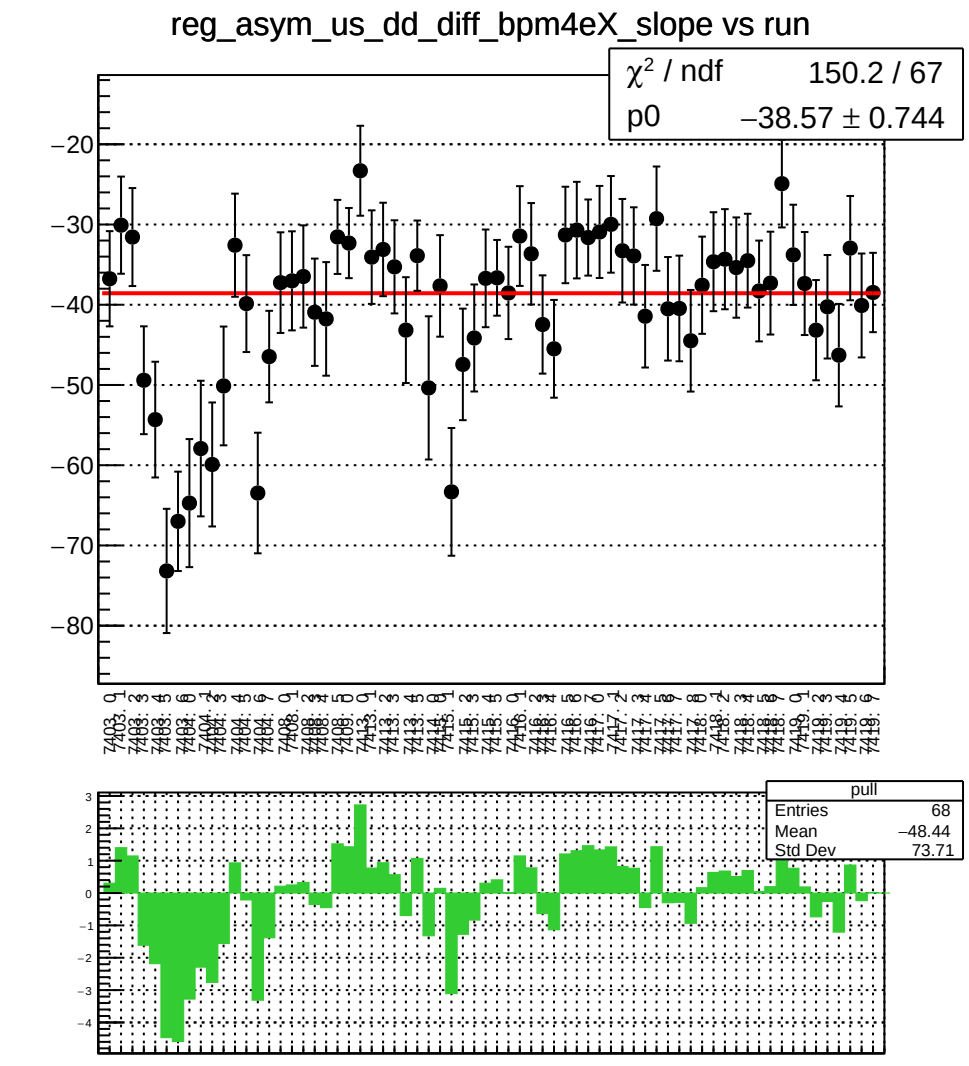

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 65.24 / 67
p0 −35.07 ± 0.05586
−33.5
−34
−34.5
−35
−35.5
−36
−36.5
−37
pull
Entries 68
Mean −1839
Std Dev 1871
2
1
0
−1
−2
−3
pull1D
Entries 68
Mean 0.006575
Std Dev 0.9795
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

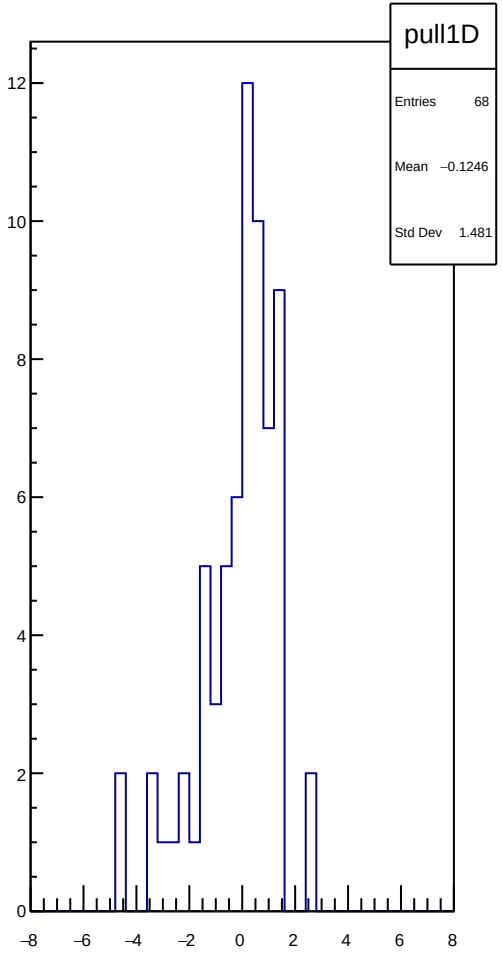

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 149.4 / 67
p0 −17.23 ± 0.7158
pull
Entries 68
Mean −49.4
Std Dev 74.39

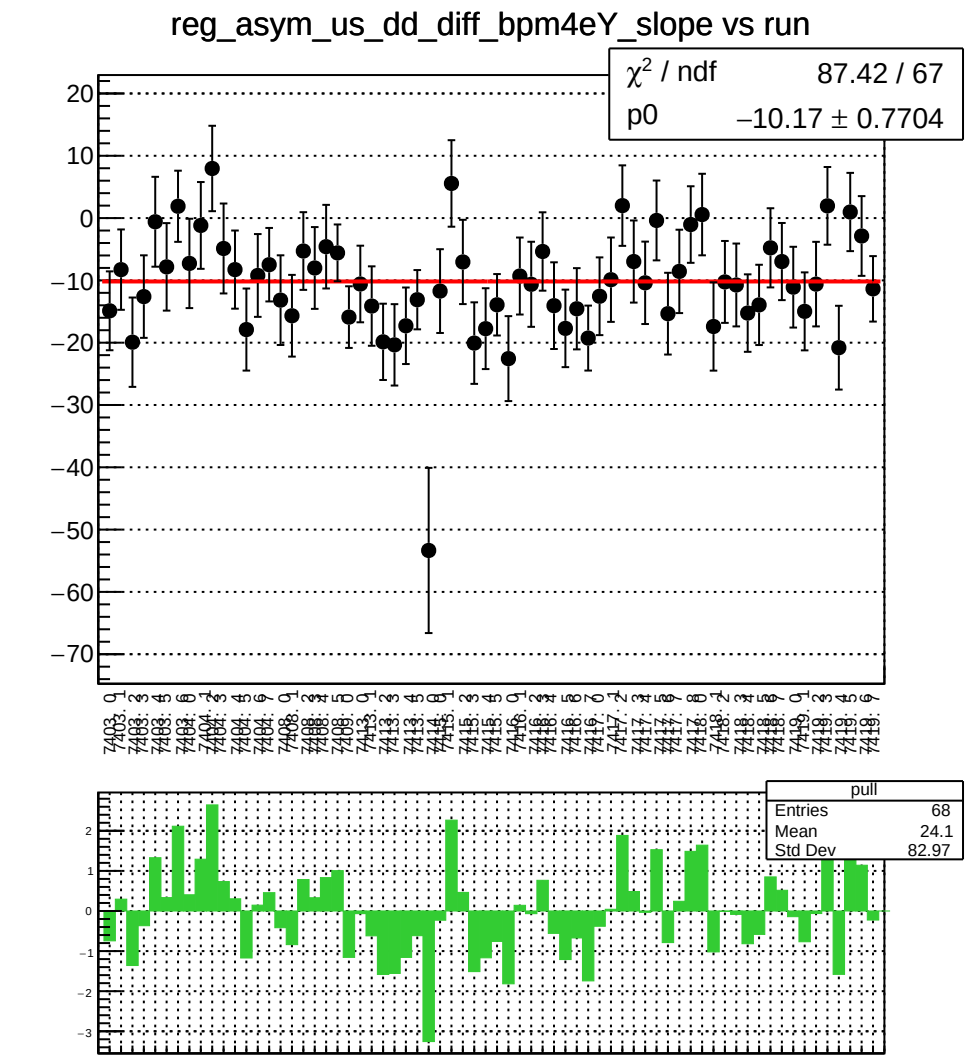

pull1D
Entries 68
Mean 0.122
Std Dev 1.477

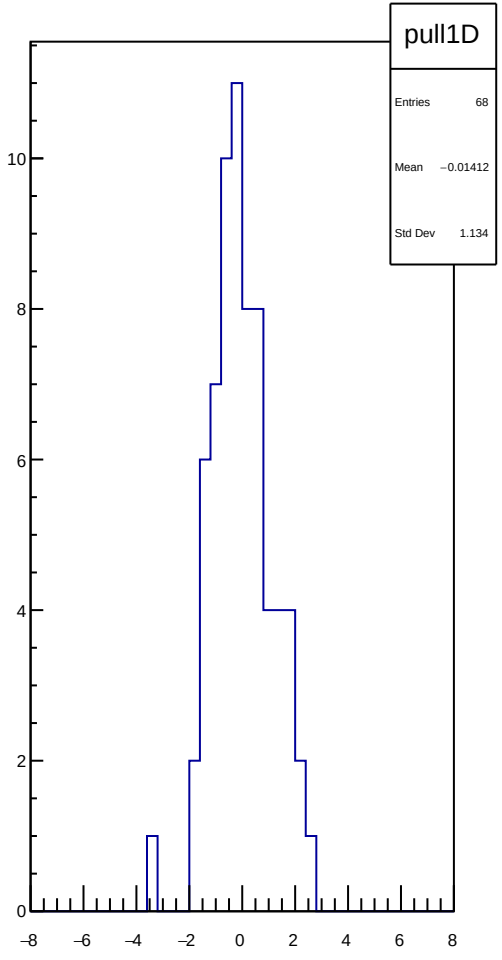

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 95.67 / 67
p0 11.9 ± 0.7291
pull
Entries 68
Mean 62.65
Std Dev 68.91

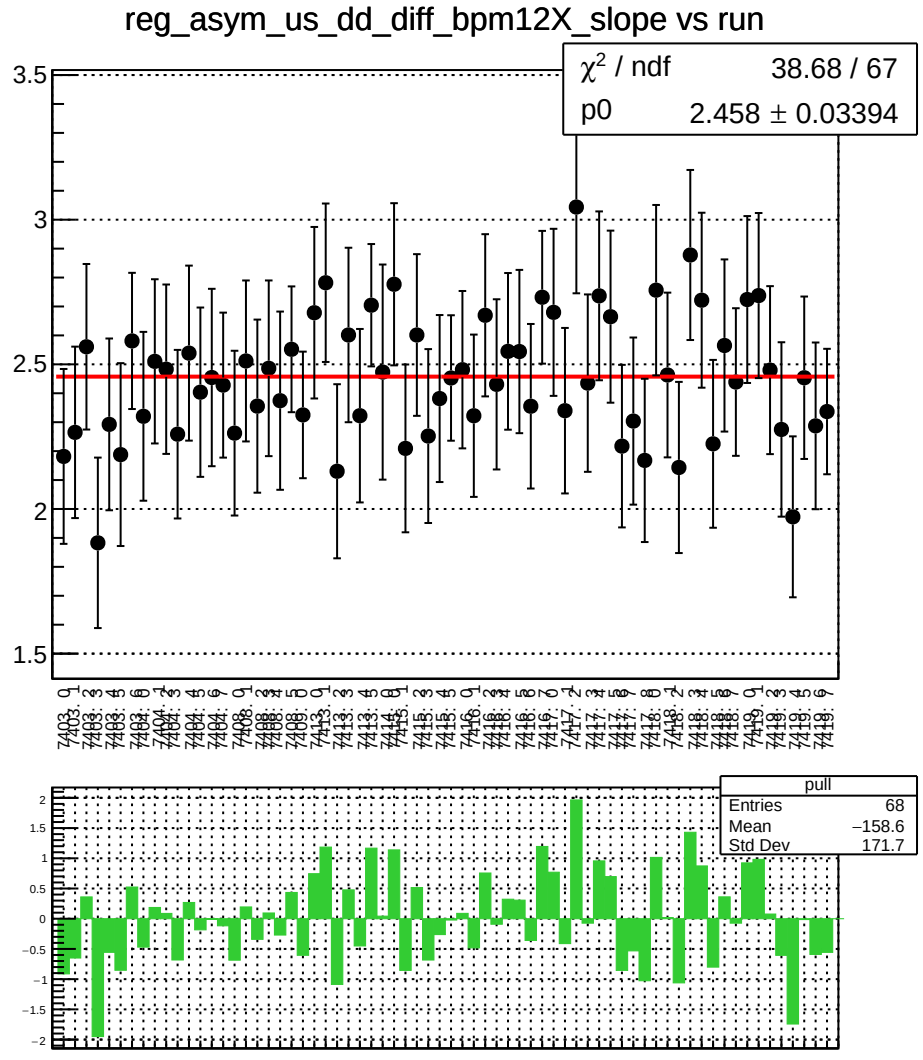

pull1D
Entries 68
Mean 0.02731
Std Dev 1.186

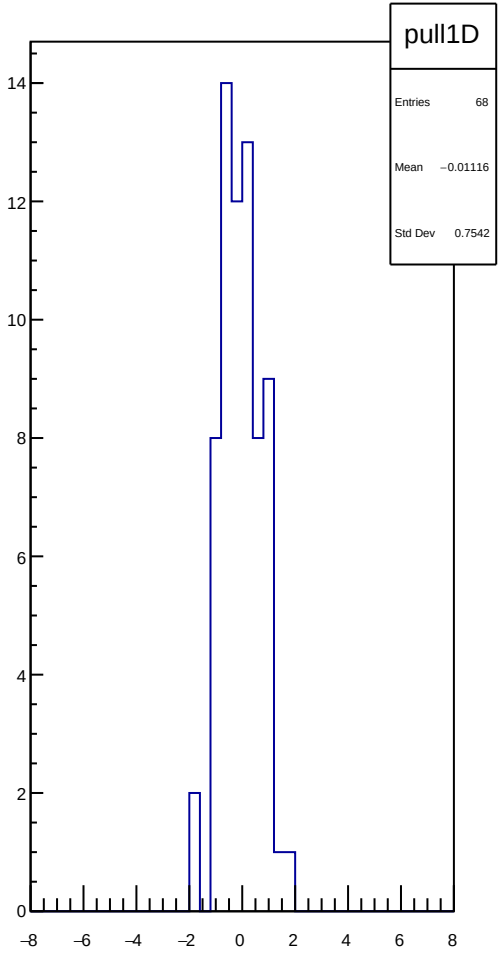

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 150.2 / 67
p0 −38.57 ± 0.744
pull
Entries 68
Mean −48.44
Std Dev 73.71

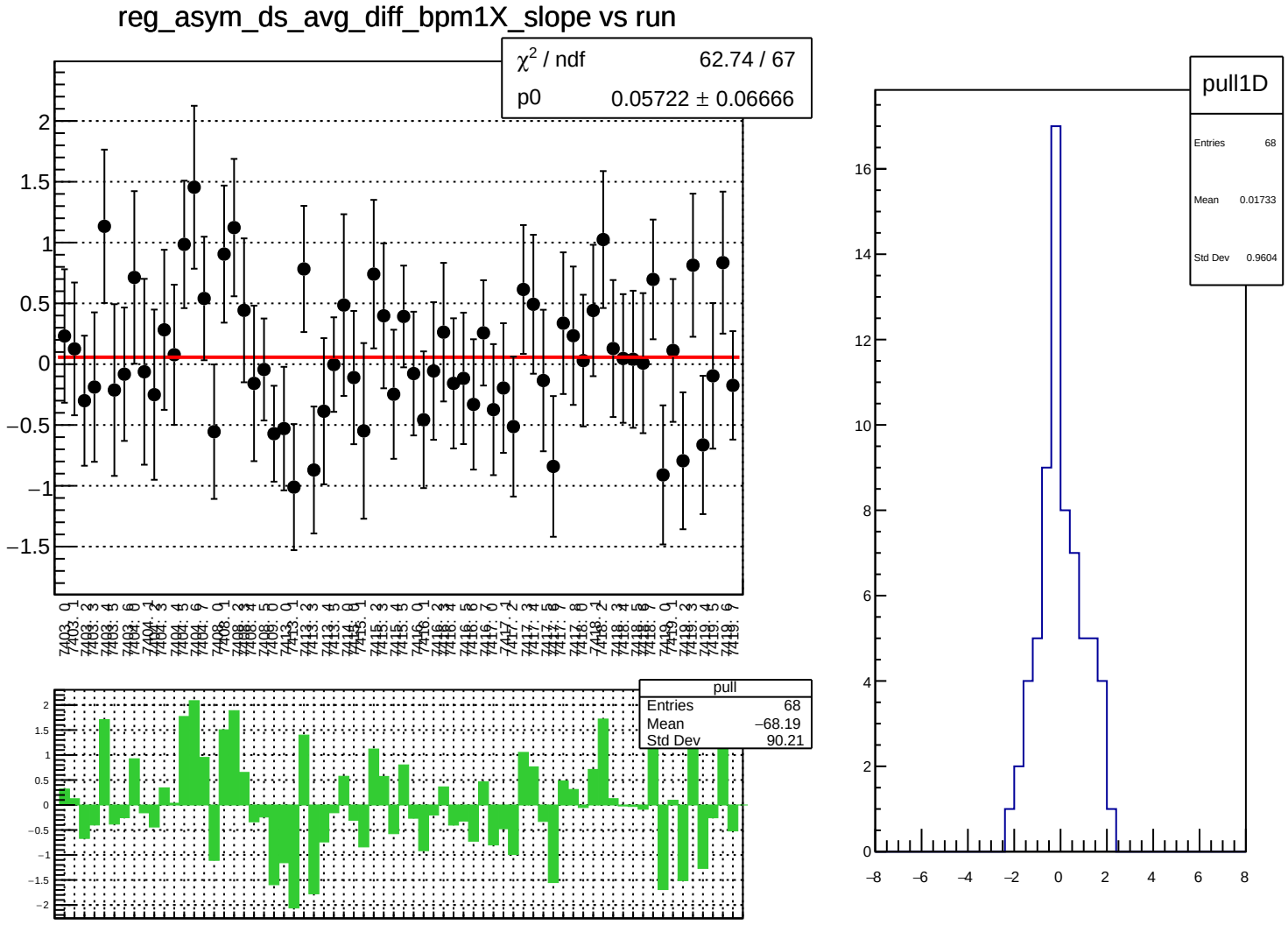

pull1D
Entries 68
Mean −0.1246
Std Dev 1.481

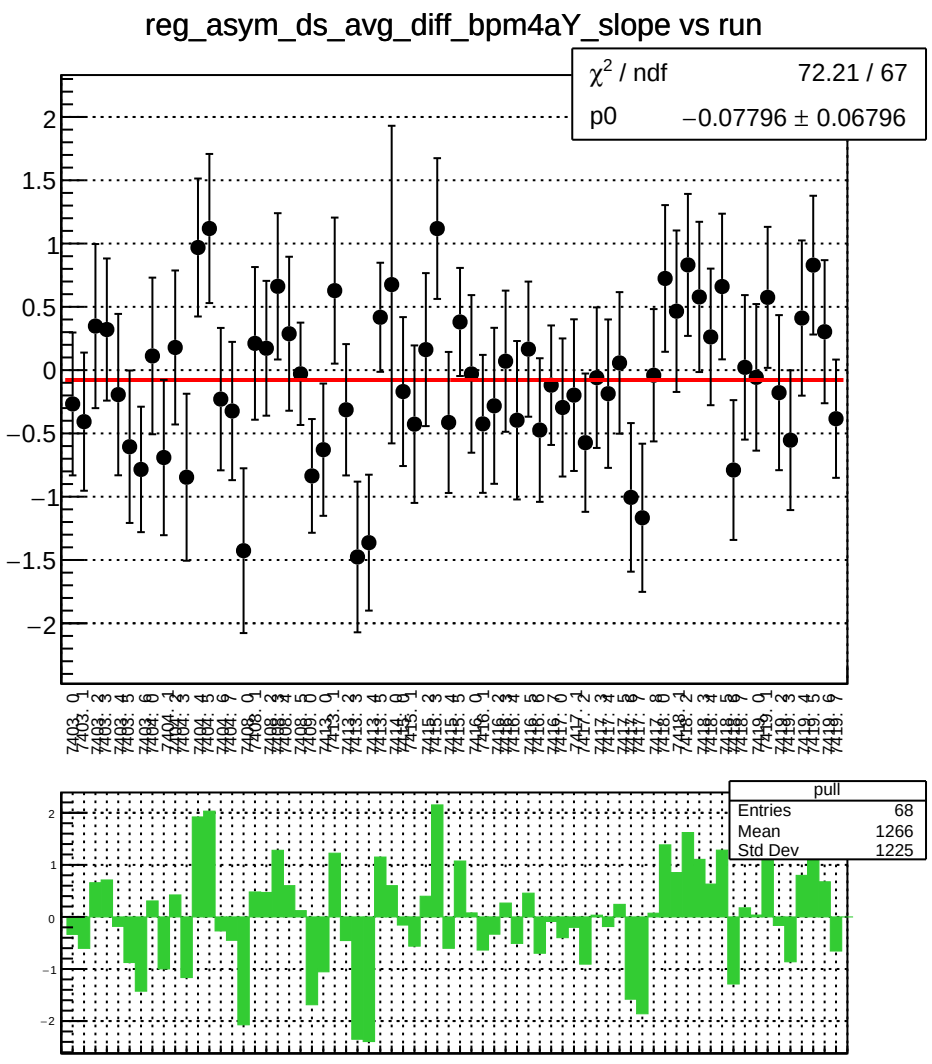

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 87.42 / 67
p0 −10.17 ± 0.7704
pull
Entries 68
Mean 24.1
Std Dev 82.97

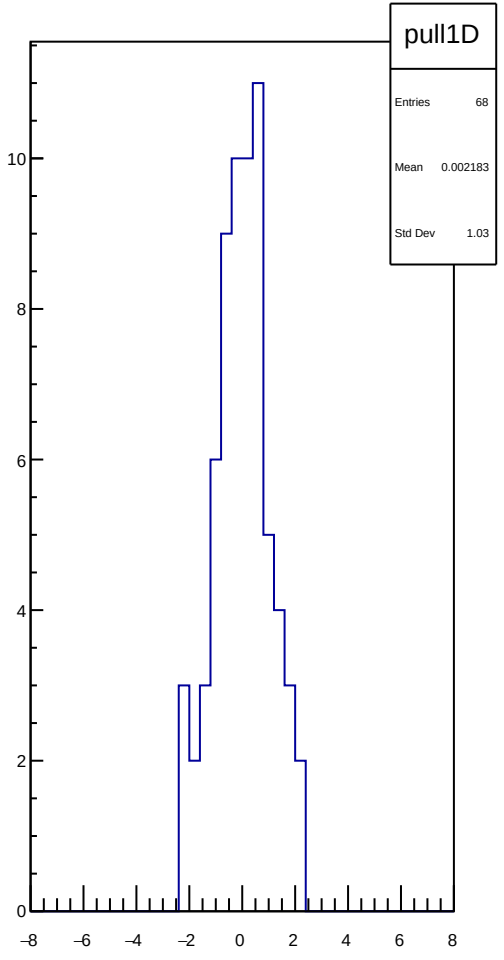

pull1D
Entries 68
Mean −0.01412
Std Dev 1.134

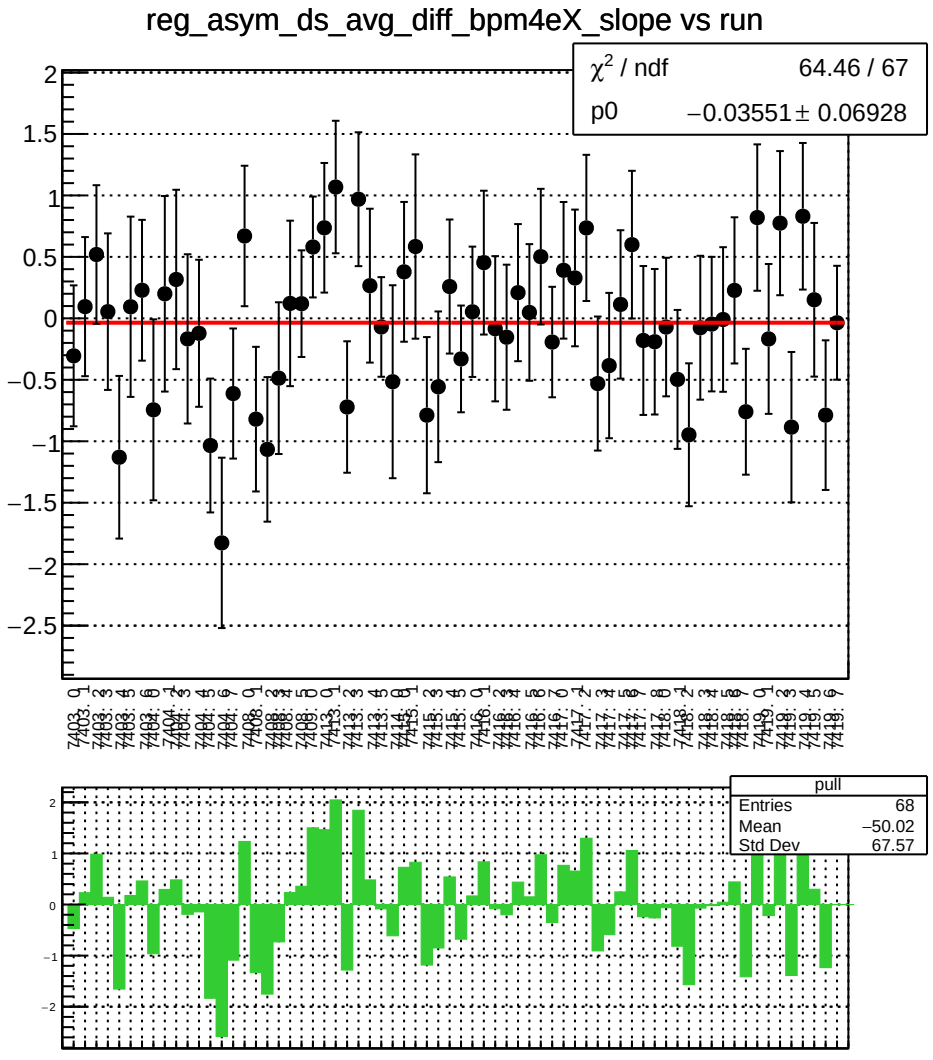

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 38.68 / 67
p0 2.458 ± 0.03394
pull
Entries 68
Mean −158.6
Std Dev 171.7

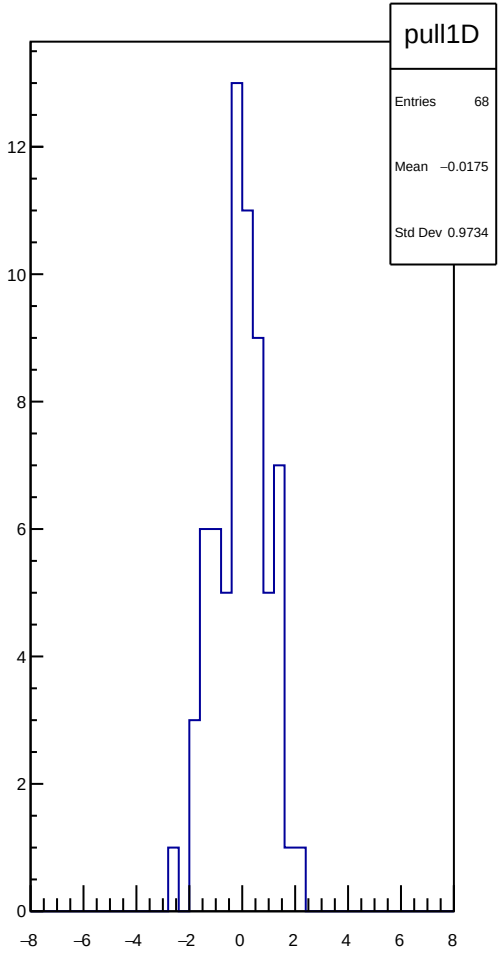

pull1D
Entries 68
Mean −0.01116
Std Dev 0.7542

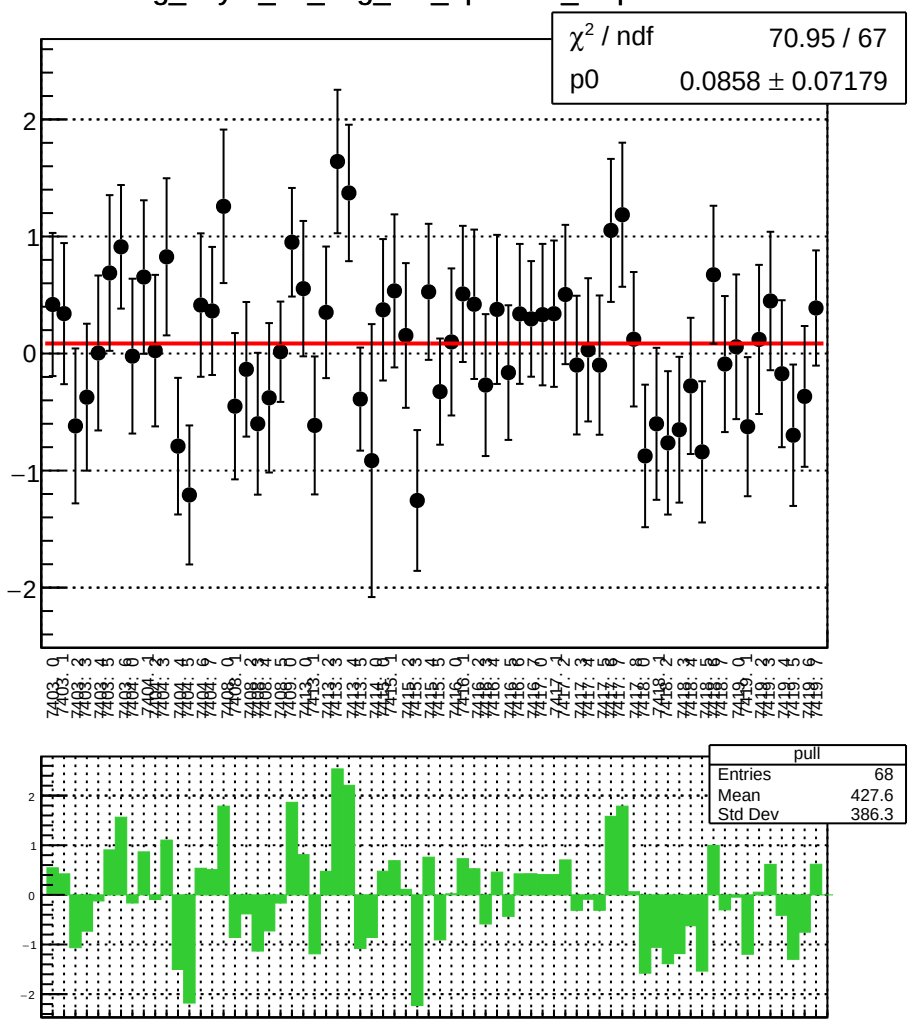

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 62.74 / 67
p0 0.05722 ± 0.06666
pull
Entries 68
Mean −68.19
Std Dev 90.21
pull1D
Entries 68
Mean 0.01733
Std Dev 0.9604

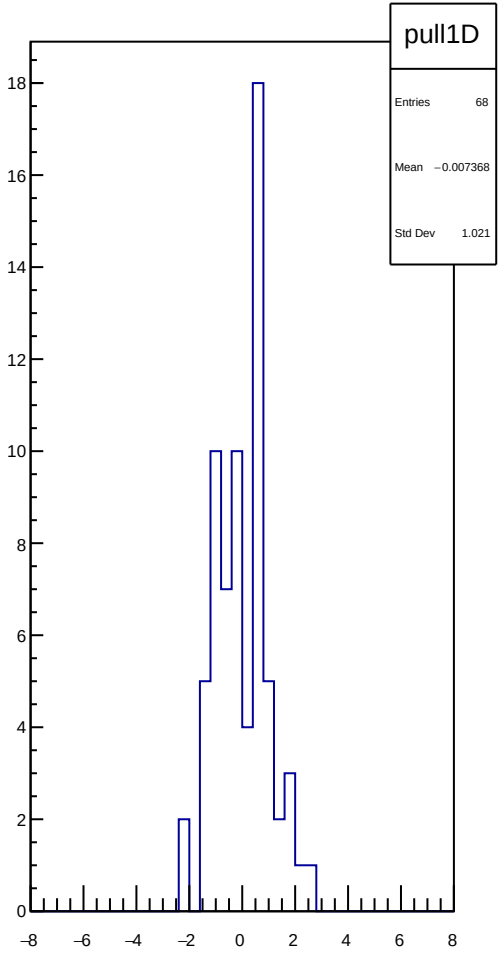

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 72.21 / 67
p0 −0.07796 ± 0.06796
pull
Entries 68
Mean 1266
Std Dev 1225

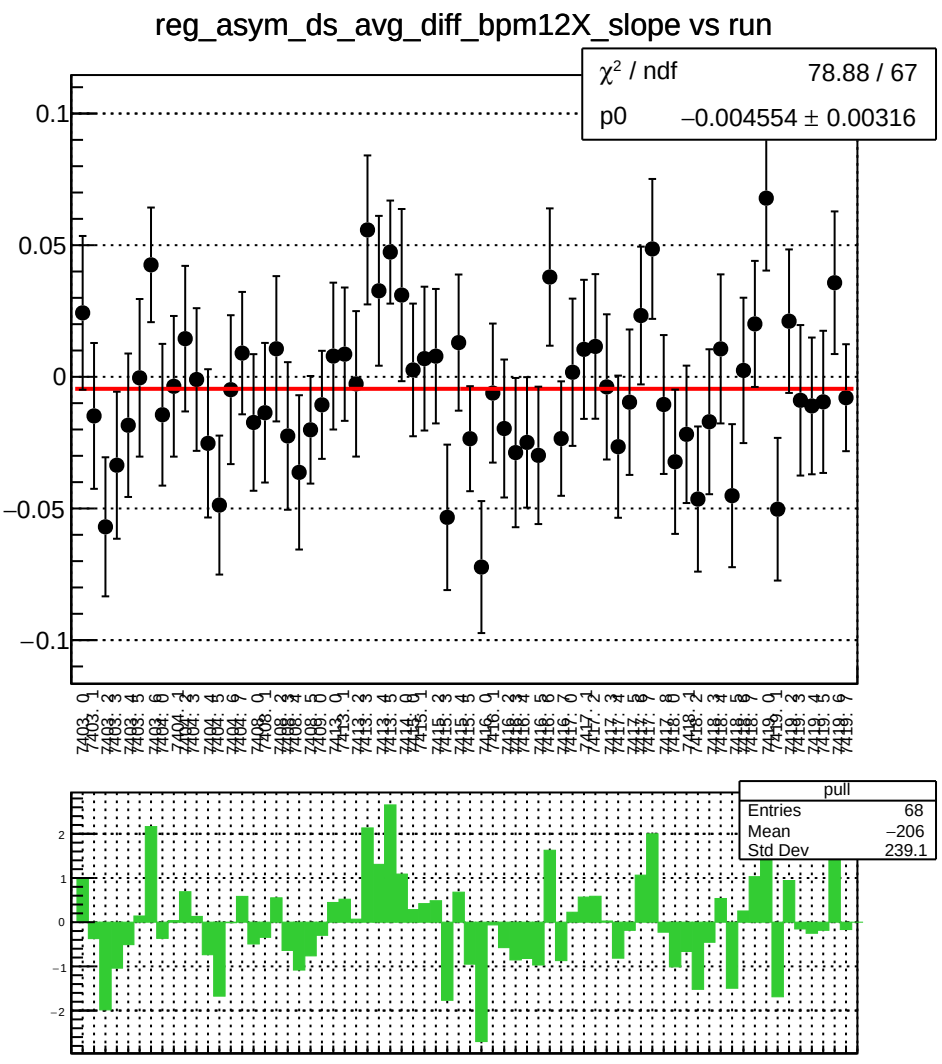

pull1D
Entries 68
Mean 0.002183
Std Dev 1.03

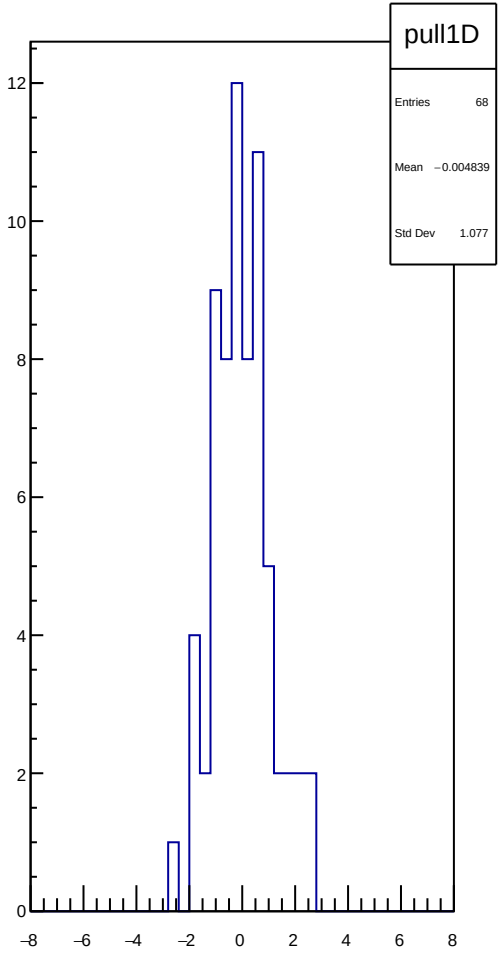

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.46 / 67
p0 −0.03551 ± 0.06928
pull
Entries 68
Mean −50.02
Std Dev 67.57

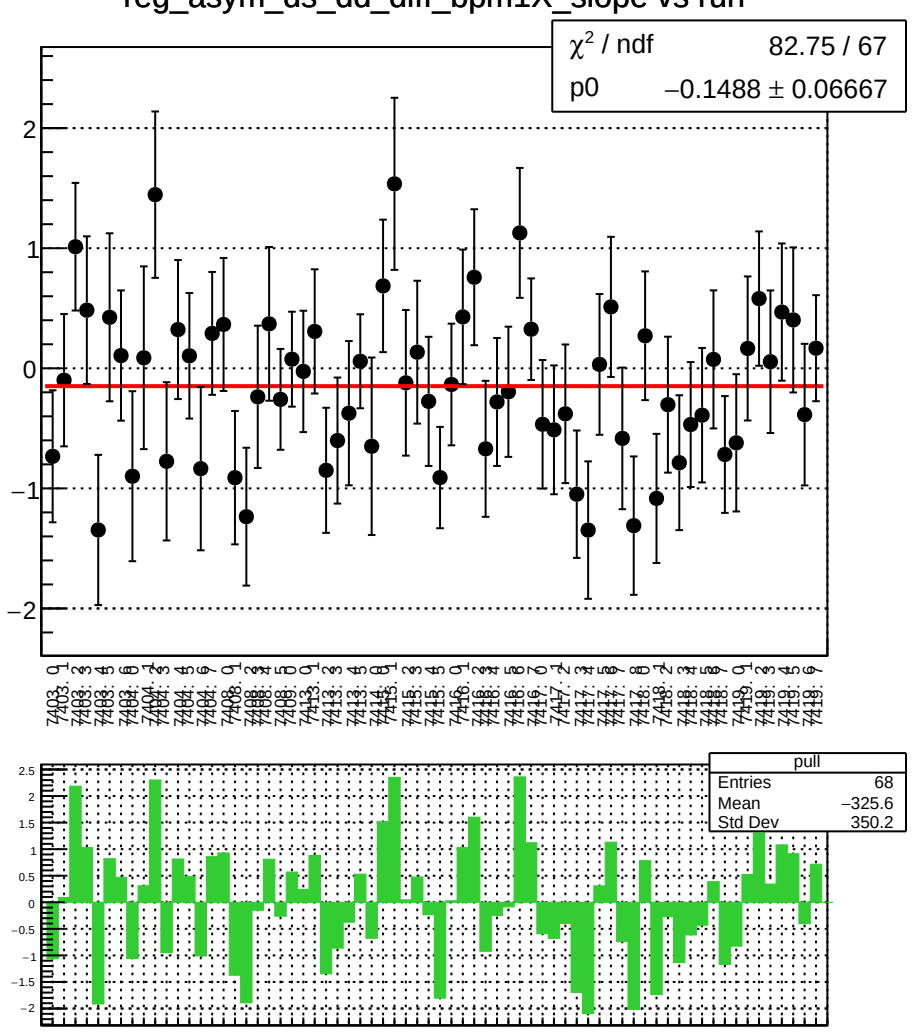

pull1D
Entries 68
Mean −0.0175
Std Dev 0.9734

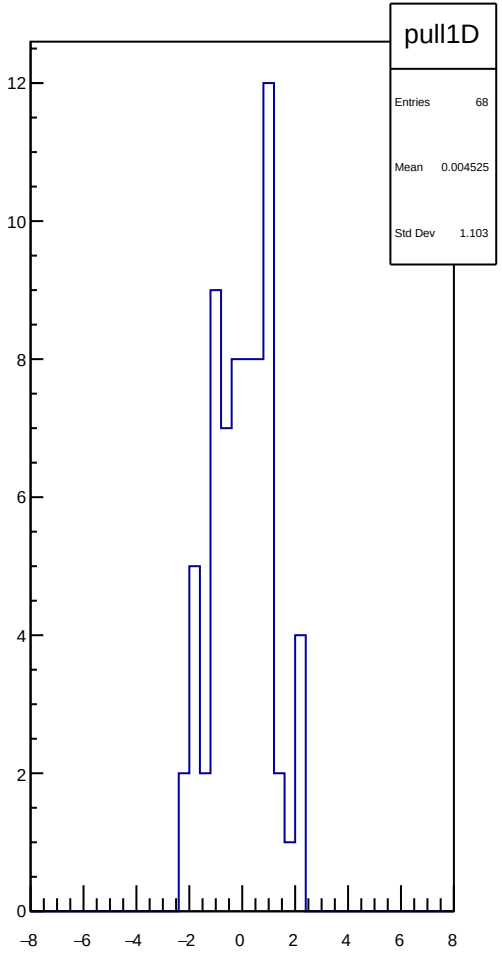

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 70.95 / 67
p0 0.0858 ± 0.07179
pull
Entries 68
Mean 427.6
Std Dev 386.3

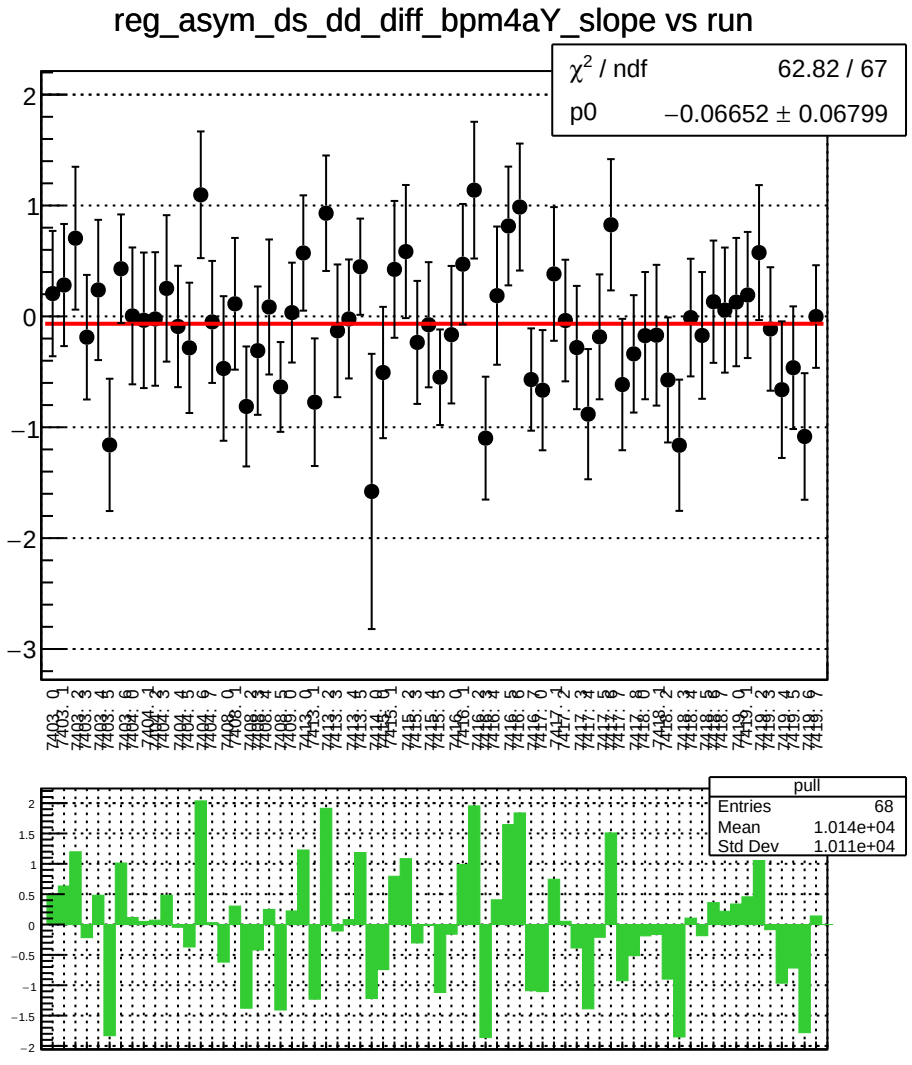

pull1D
Entries 68
Mean −0.007368
Std Dev 1.021

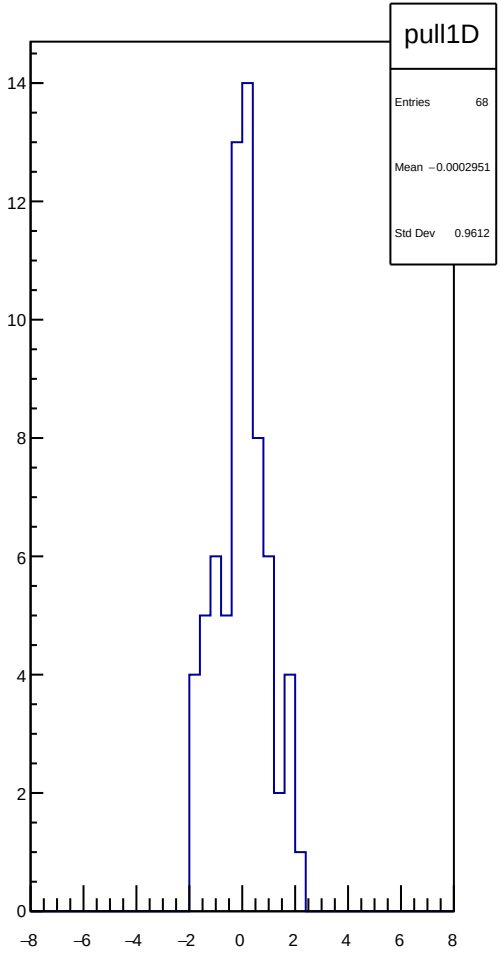

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 78.88 / 67
p0 −0.004554 ± 0.00316
0.1
0.05
0
−0.05
−0.1
pull
Entries 68
Mean −206
Std Dev 239.1
2
1
0
−1
−2

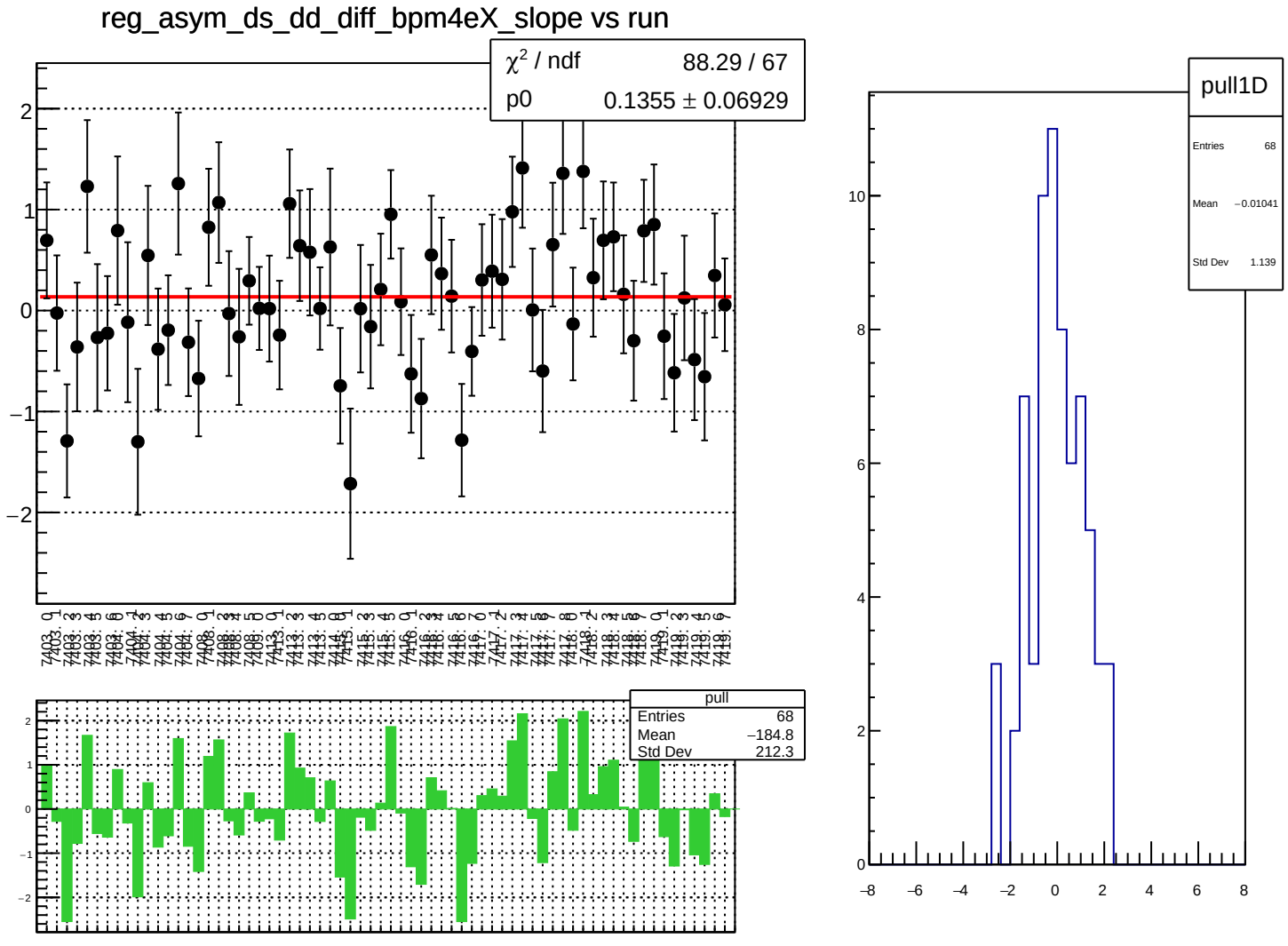

pull1D
Entries 68
Mean −0.004839
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

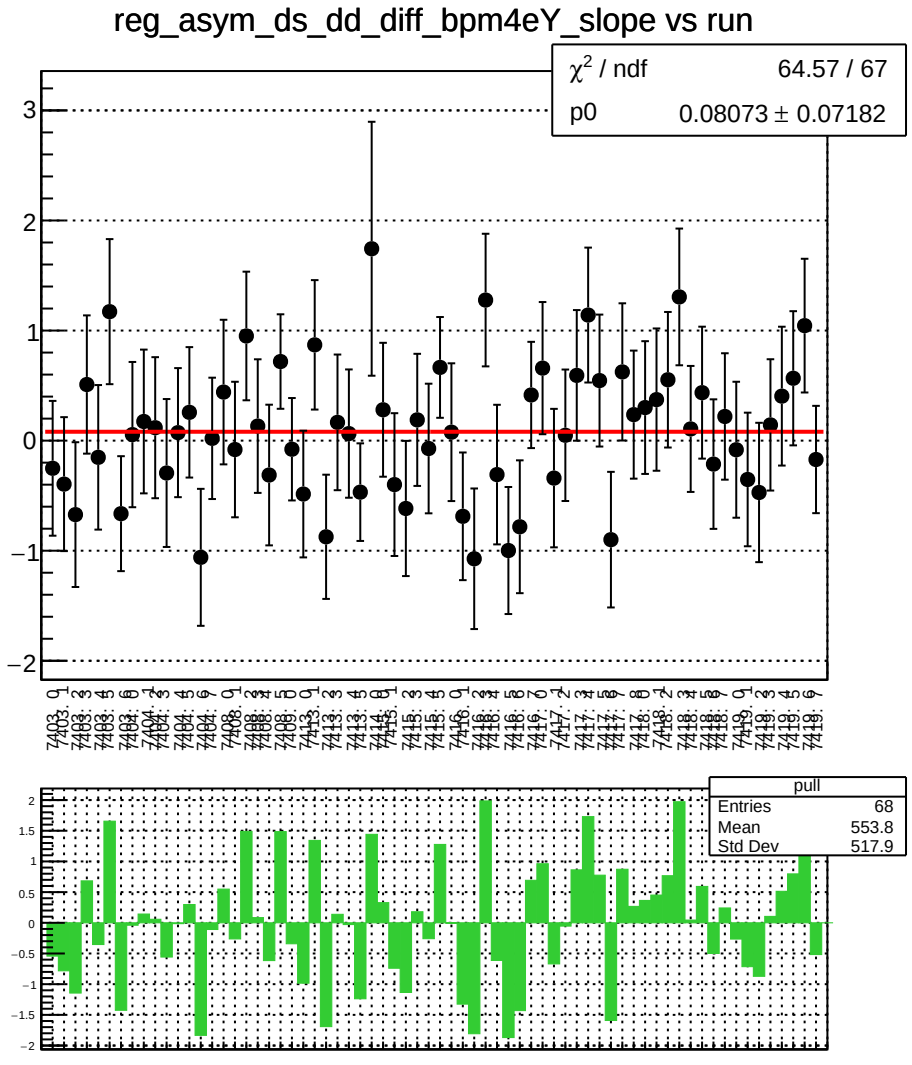

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 82.75 / 67
p0 −0.1488 ± 0.06667
pull
Entries 68
Mean −325.6
Std Dev 350.2

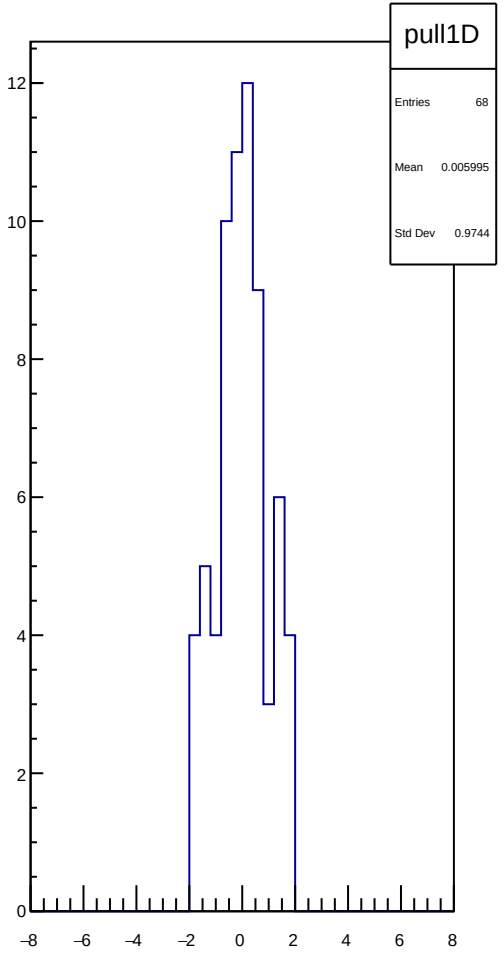

pull1D
Entries 68
Mean 0.004525
Std Dev 1.103

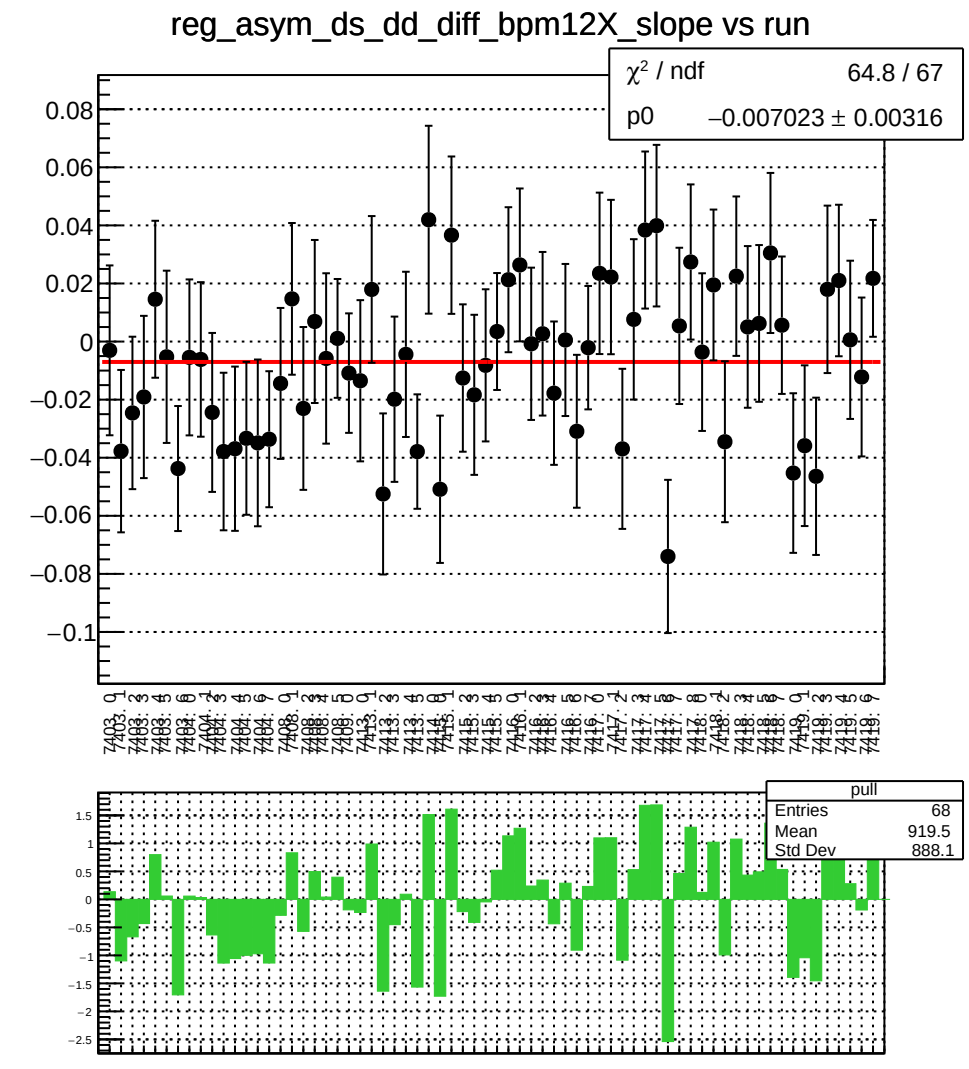

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.82 / 67
p0 −0.06652 ± 0.06799
pull
Entries 68
Mean 1.014e+04
Std Dev 1.011e+04

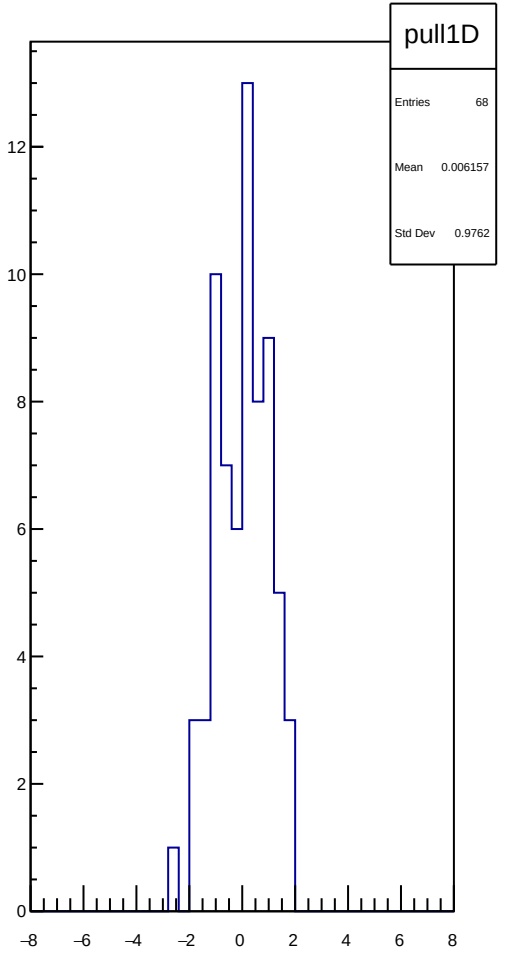

pull1D
Entries 68
Mean −0.0002951
Std Dev 0.9612

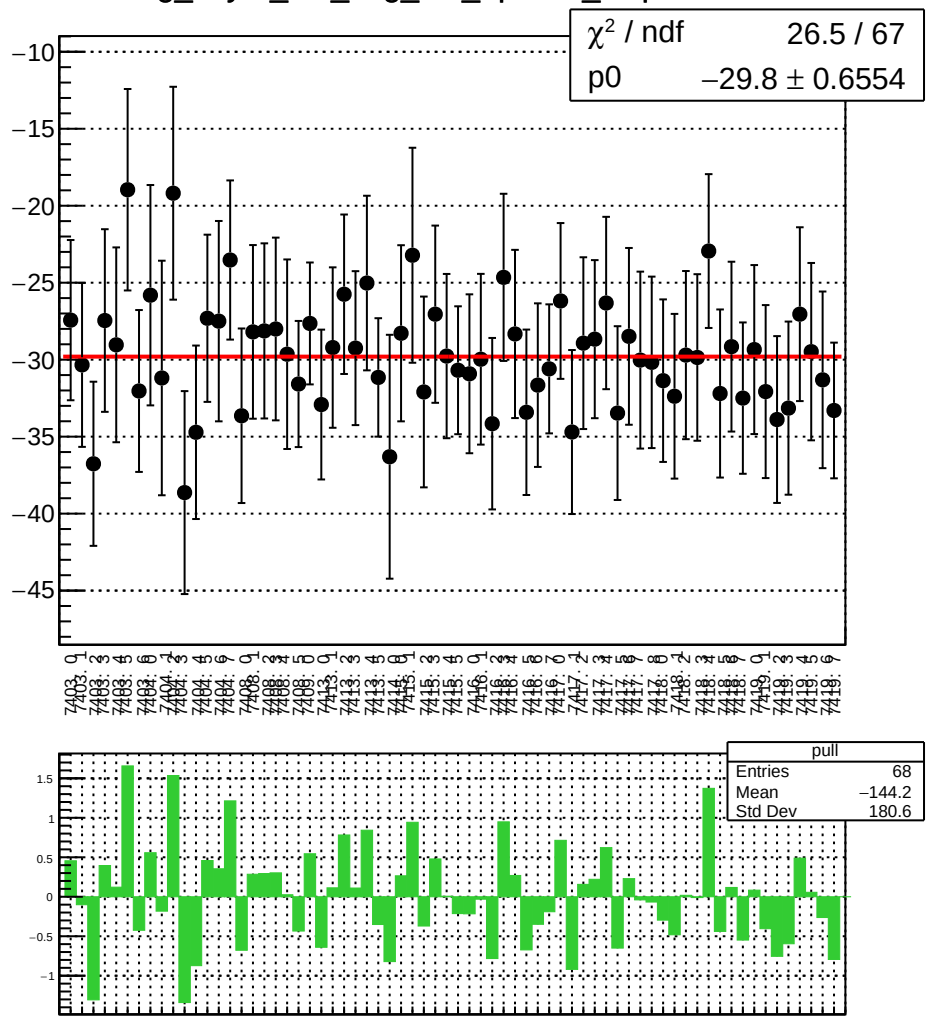

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.29 / 67
p0 0.1355 ± 0.06929
pull
Entries 68
Mean −184.8
Std Dev 212.3
pull1D
Entries 68
Mean −0.01041
Std Dev 1.139

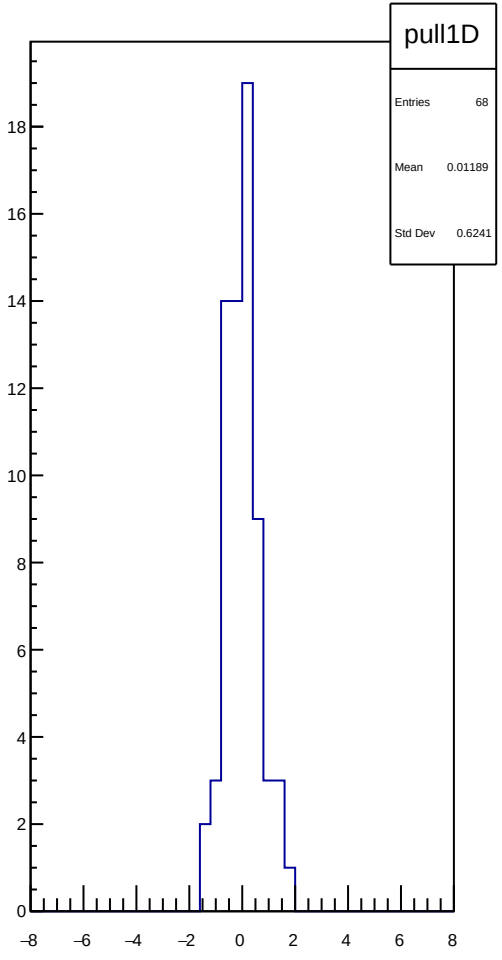

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 64.57 / 67
p0 0.08073 ± 0.07182
pull
Entries 68
Mean 553.8
Std Dev 517.9

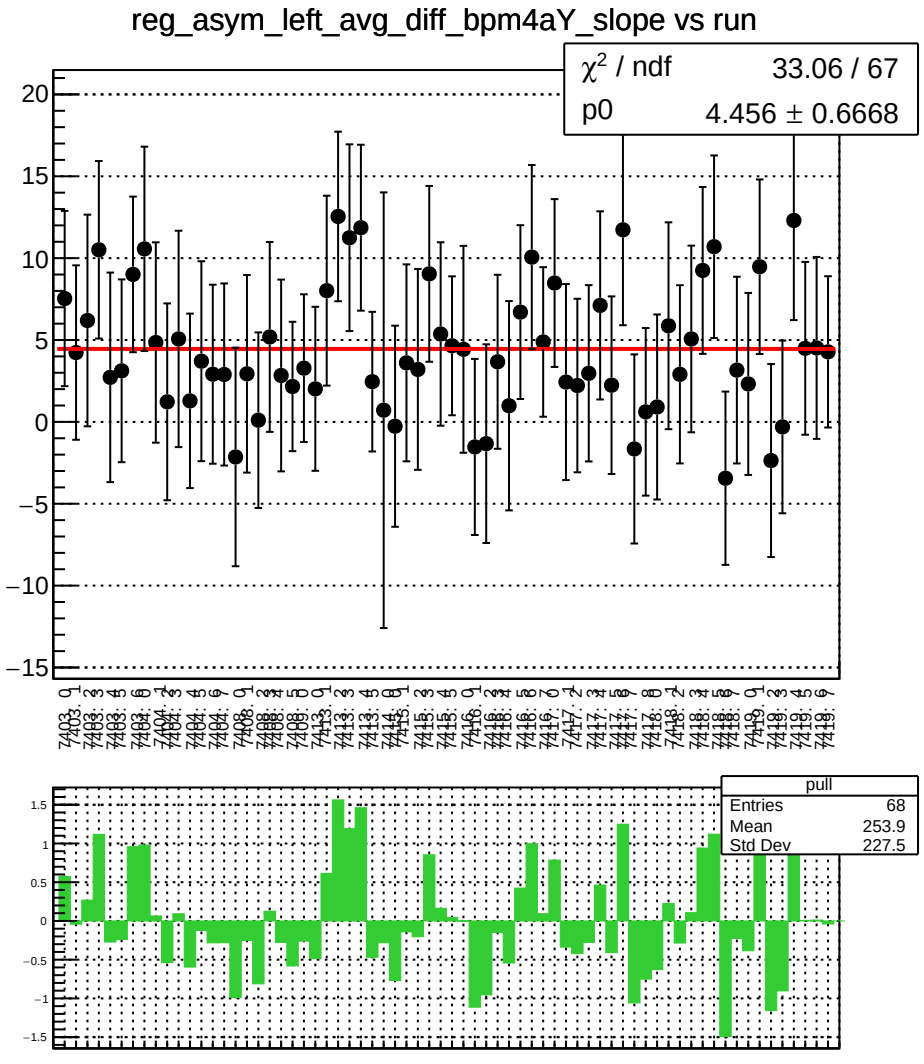

pull1D
Entries 68
Mean 0.005995
Std Dev 0.9744

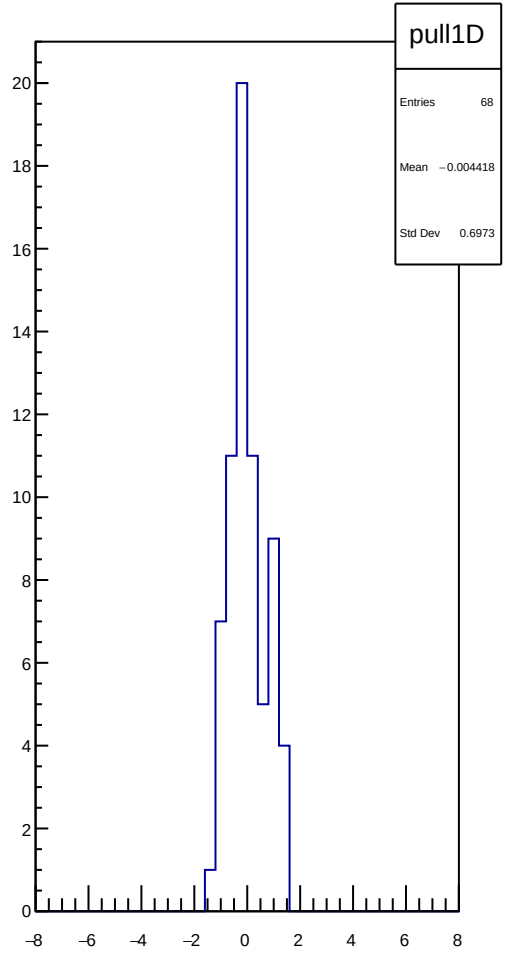

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 64.8 / 67
p0 −0.007023 ± 0.00316
pull
Entries 68
Mean 919.5
Std Dev 888.1

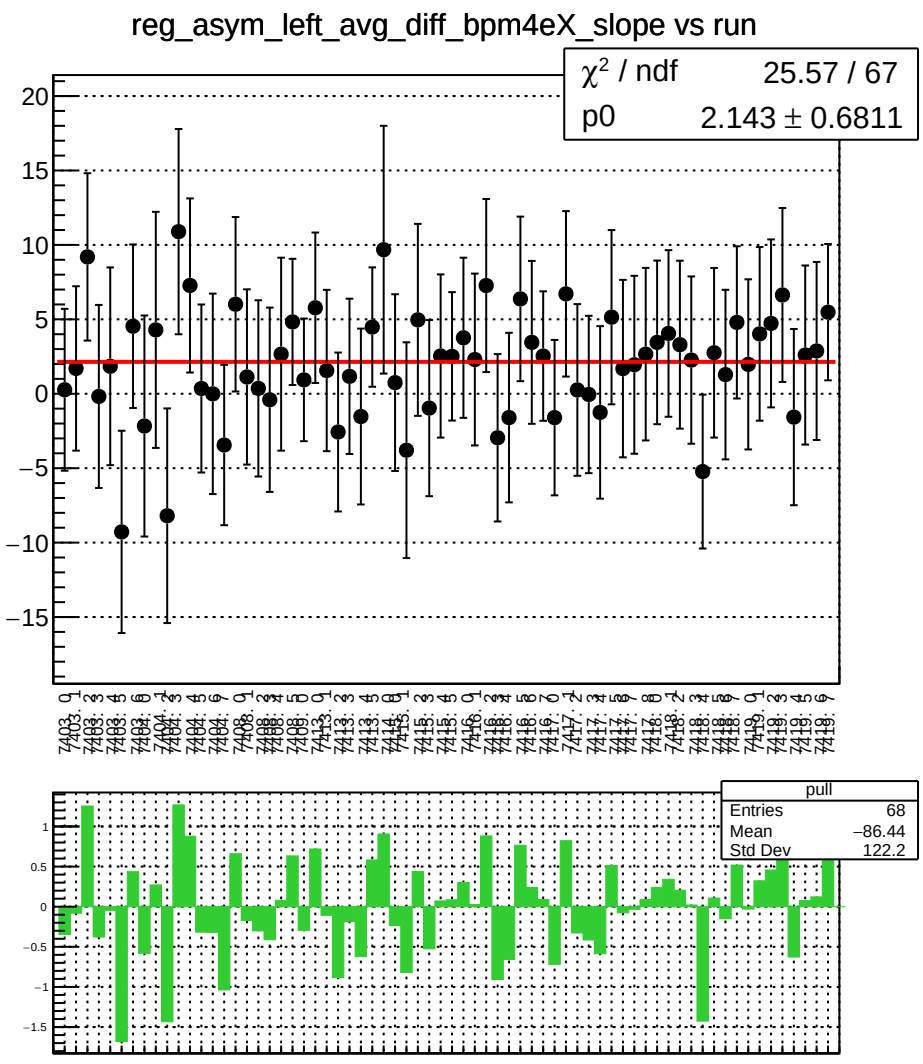

pull1D
Entries 68
Mean 0.006157
Std Dev 0.9762

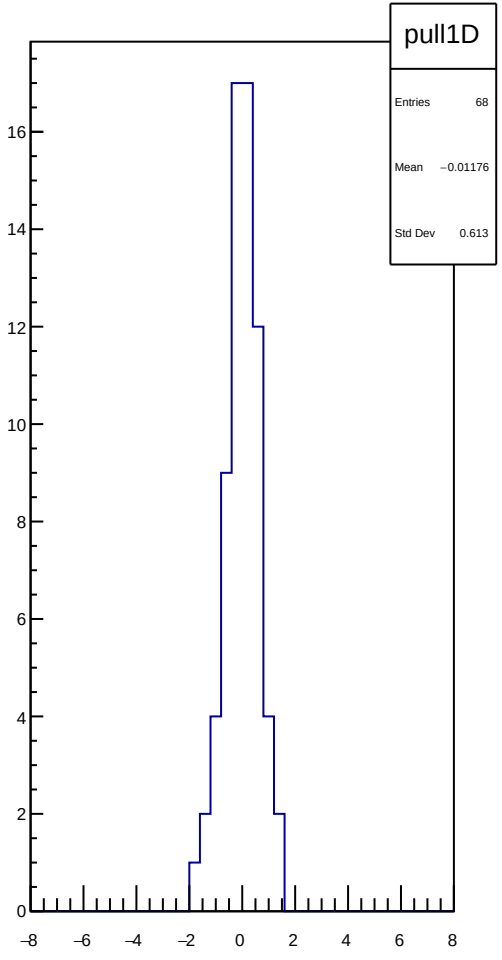

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 26.5 / 67
p0 −29.8 ± 0.6554
pull
Entries 68
Mean −144.2
Std Dev 180.6

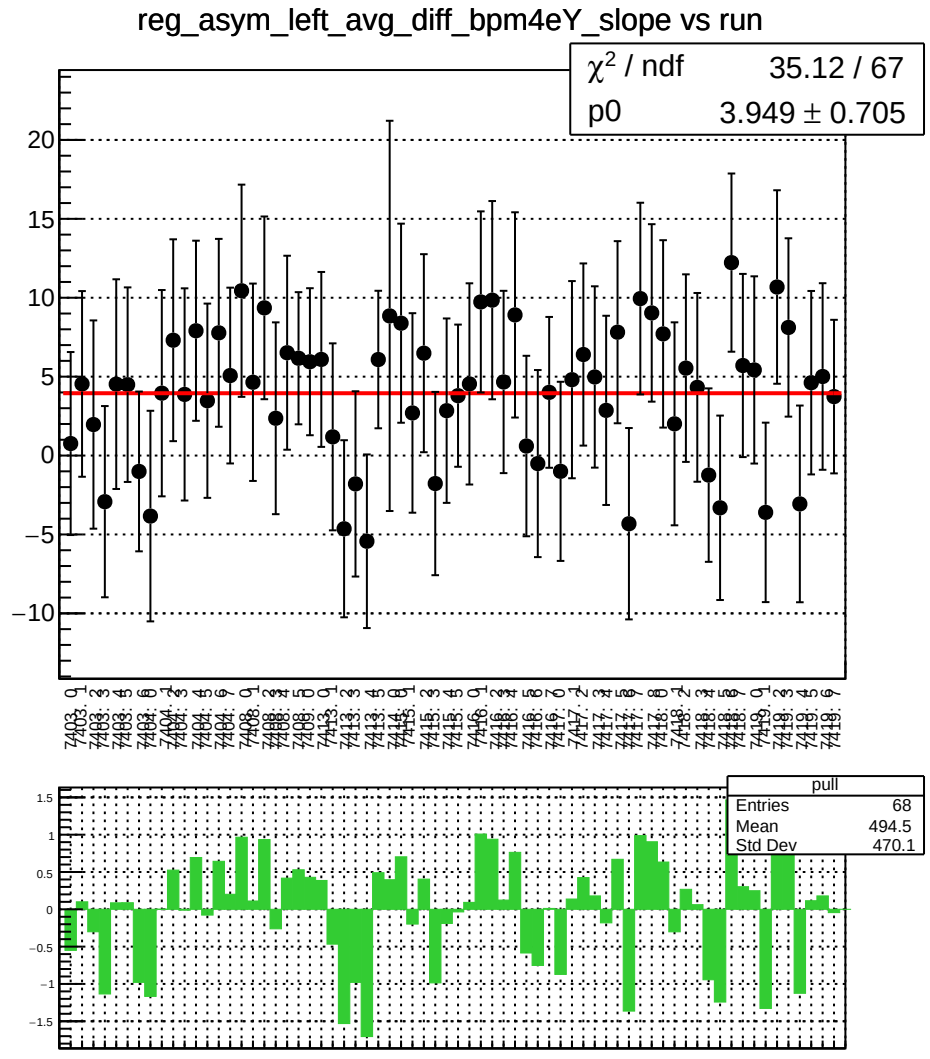

pull1D
Entries 68
Mean 0.01189
Std Dev 0.6241

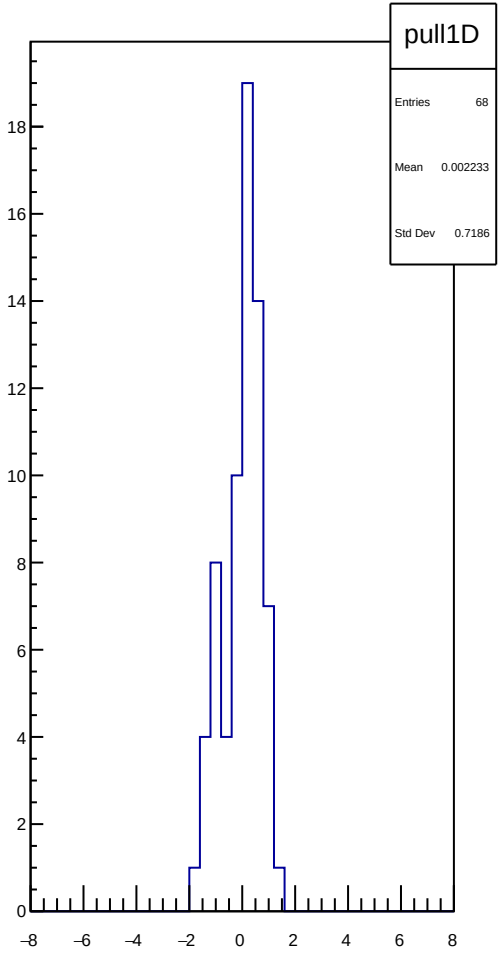

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.06 / 67
p0 4.456 ± 0.6668
pull
Entries 68
Mean 253.9
Std Dev 227.5

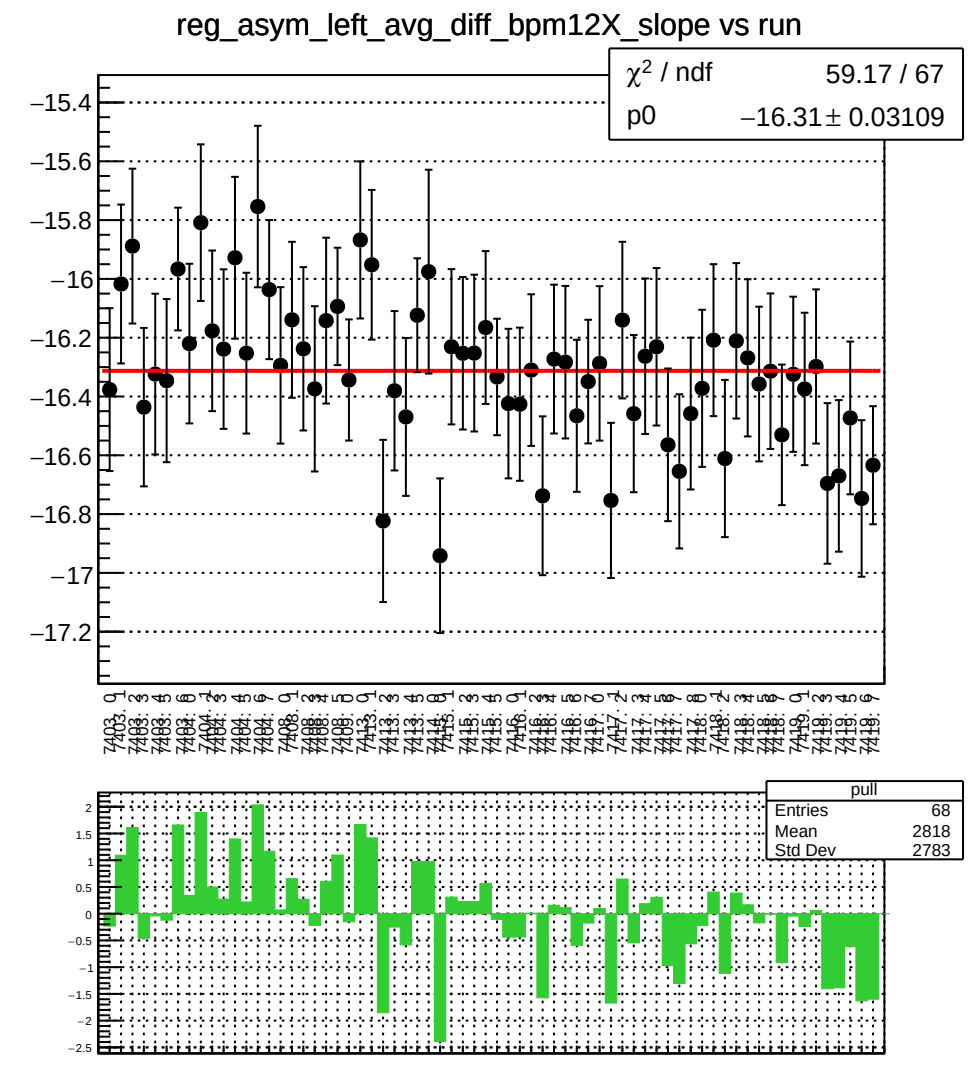

pull1D
Entries 68
Mean −0.004418
Std Dev 0.6973

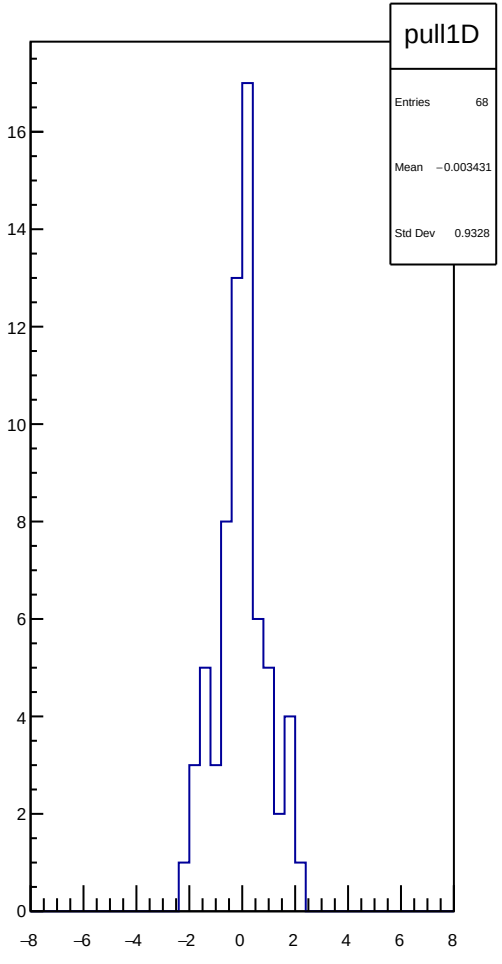

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.57 / 67
p0 2.143 ± 0.6811
pull
Entries 68
Mean −86.44
Std Dev 122.2

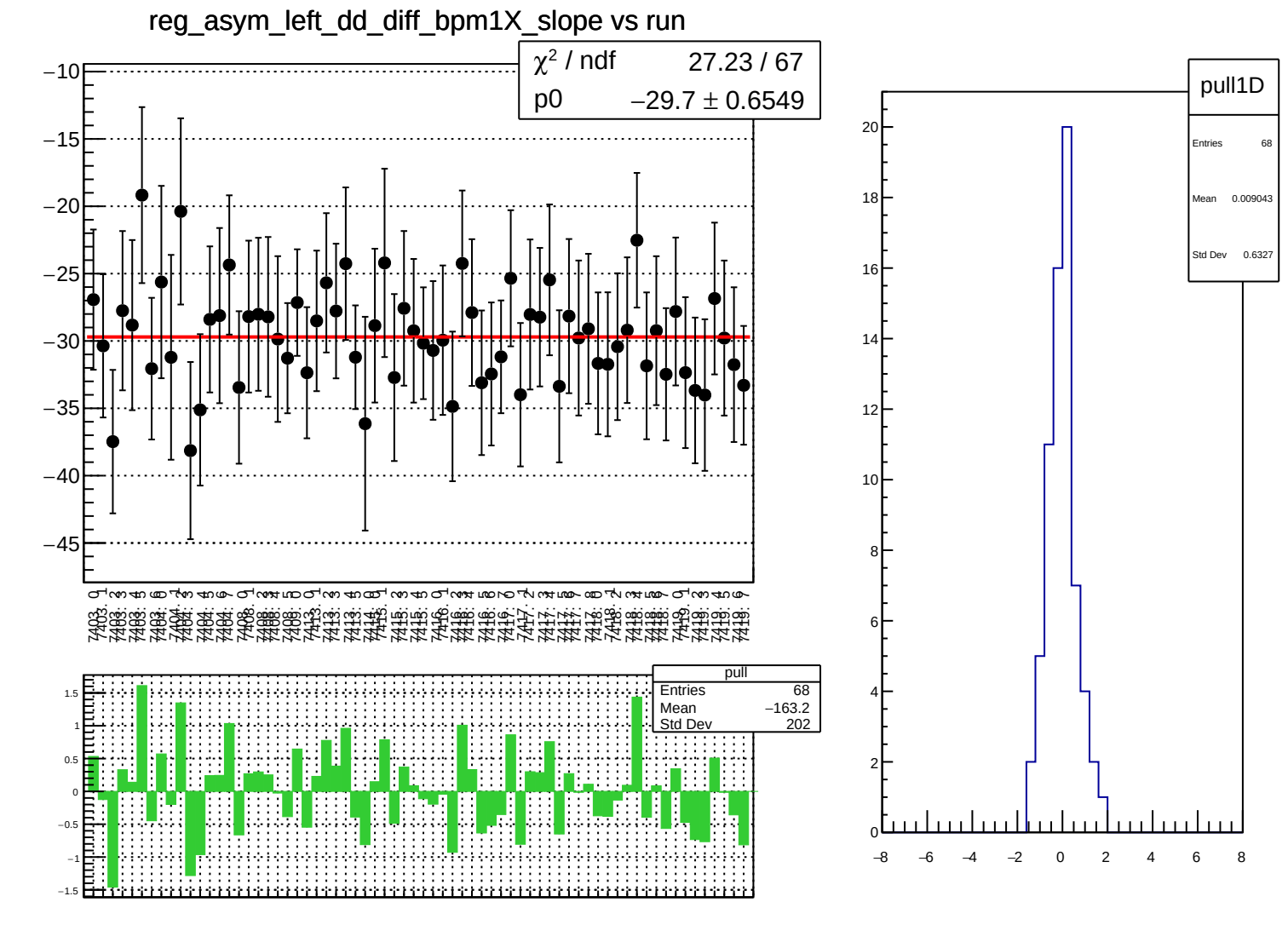

pull1D
Entries 68
Mean −0.01176
Std Dev 0.613

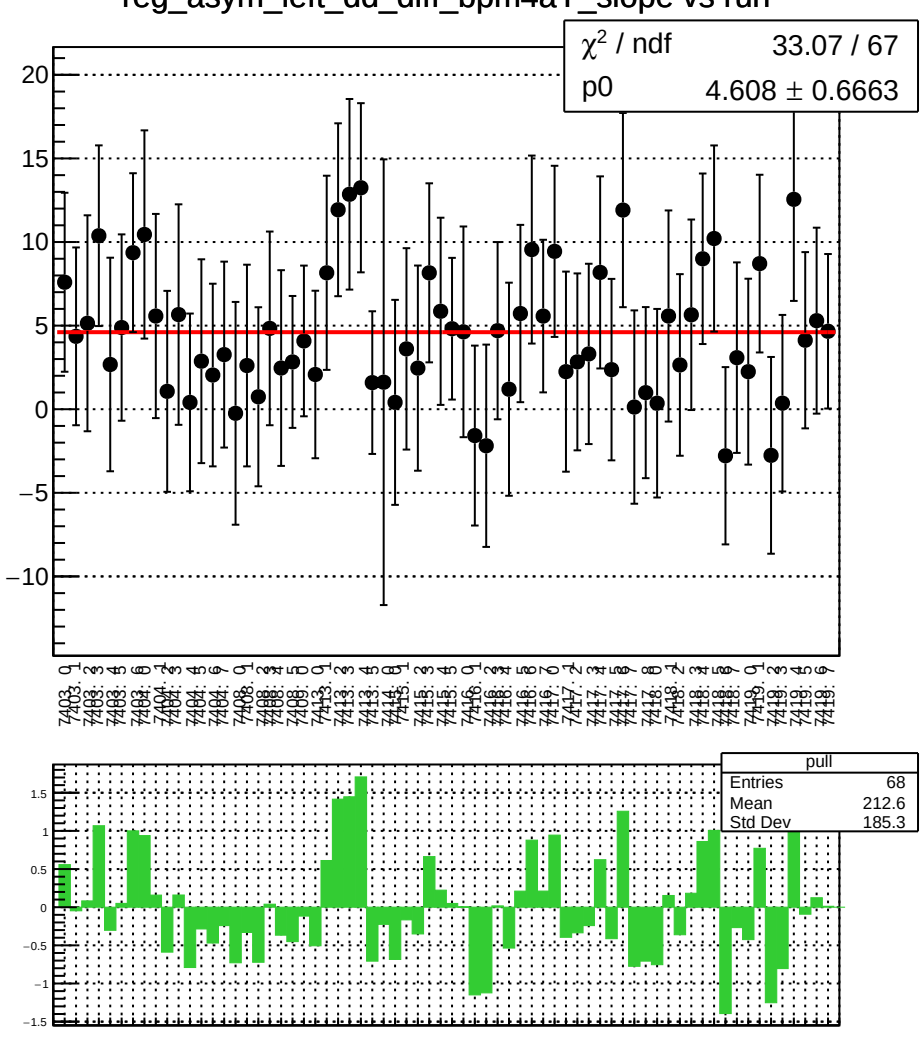

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.12 / 67
p0 3.949 ± 0.705
pull
Entries 68
Mean 494.5
Std Dev 470.1

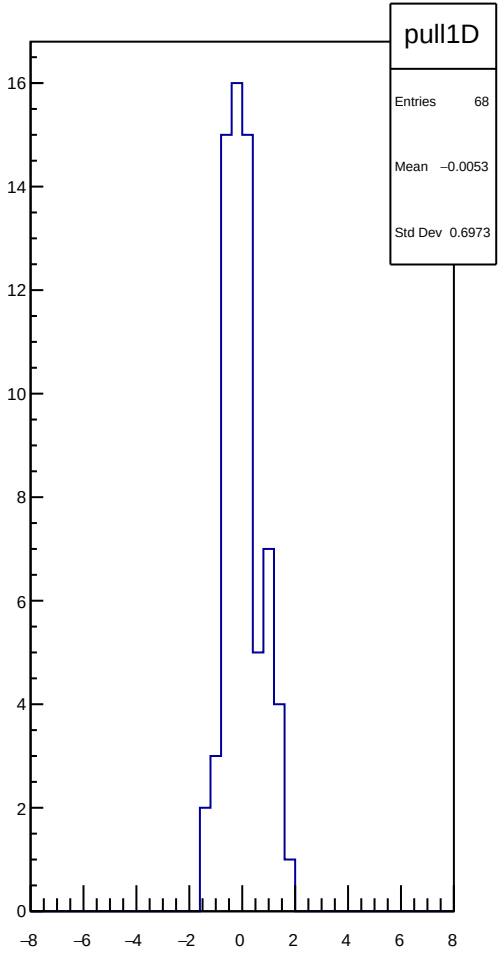

pull1D
Entries 68
Mean 0.002233
Std Dev 0.7186

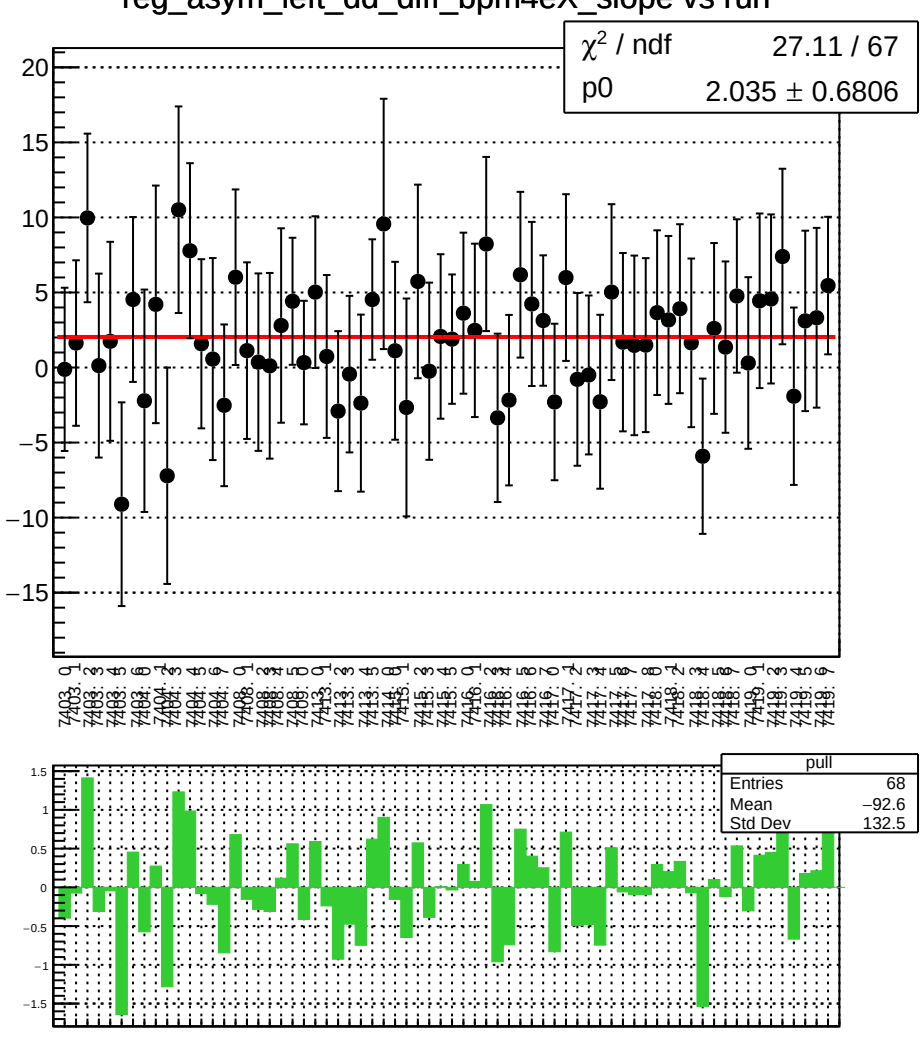

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 59.17 / 67
p0 −16.31 ± 0.03109
pull
Entries 68
Mean 2818
Std Dev 2783

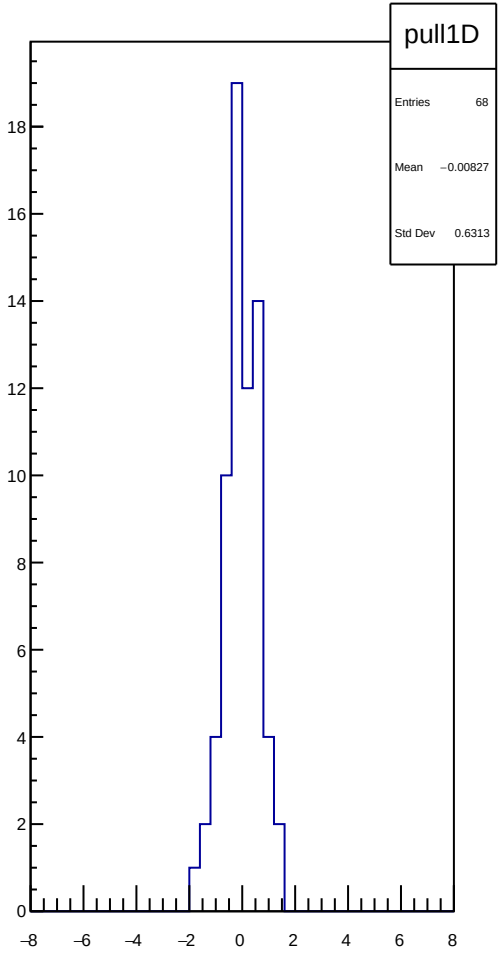

pull1D
Entries 68
Mean −0.003431
Std Dev 0.9328

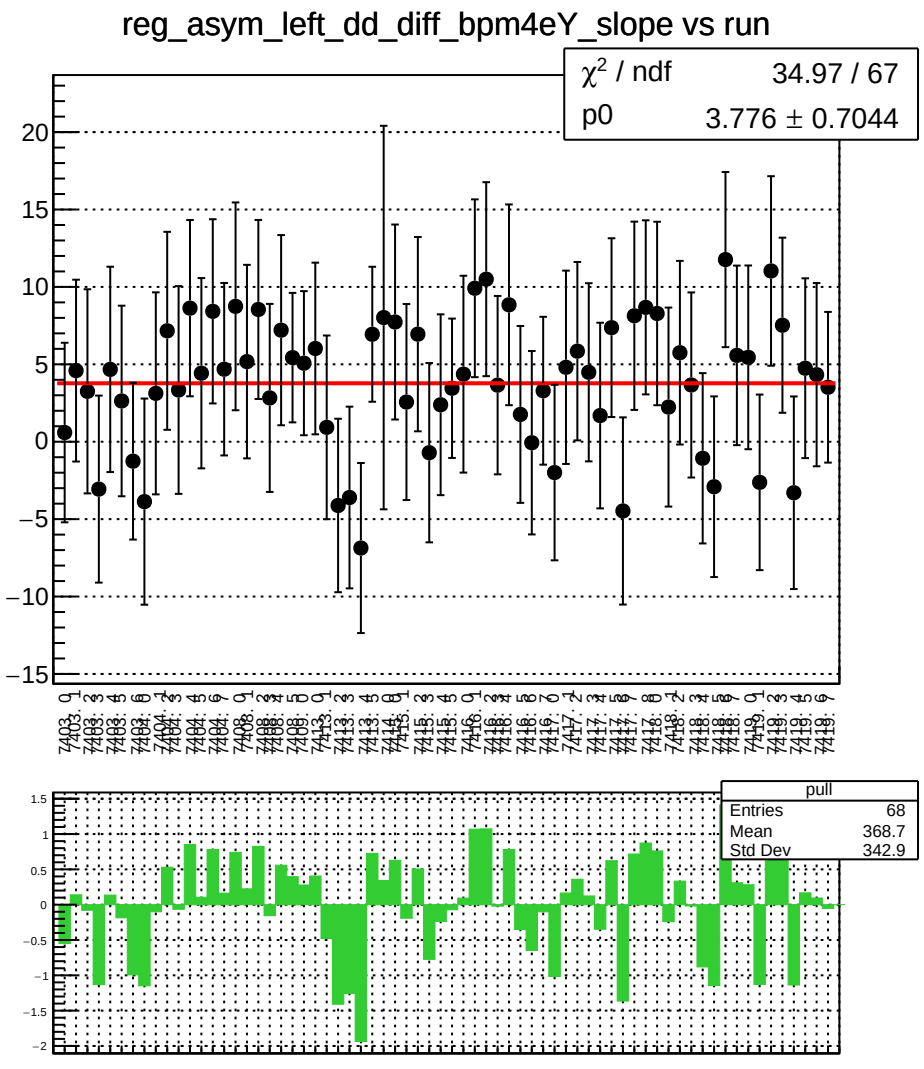

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 27.23 / 67
p0 −29.7 ± 0.6549
pull
Entries 68
Mean −163.2
Std Dev 202
pull1D
Entries 68
Mean 0.009043
Std Dev 0.6327

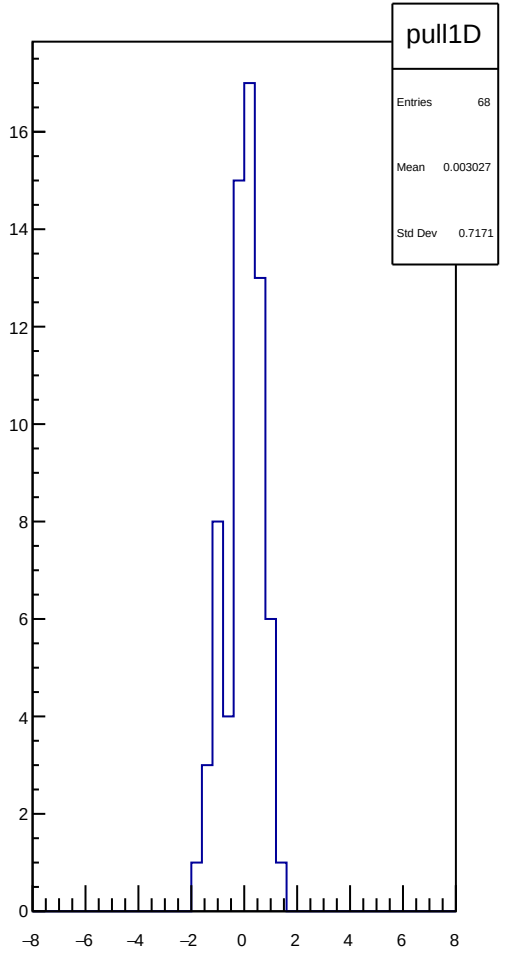

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.07 / 67
p0 4.608 ± 0.6663
pull
Entries 68
Mean 212.6
Std Dev 185.3

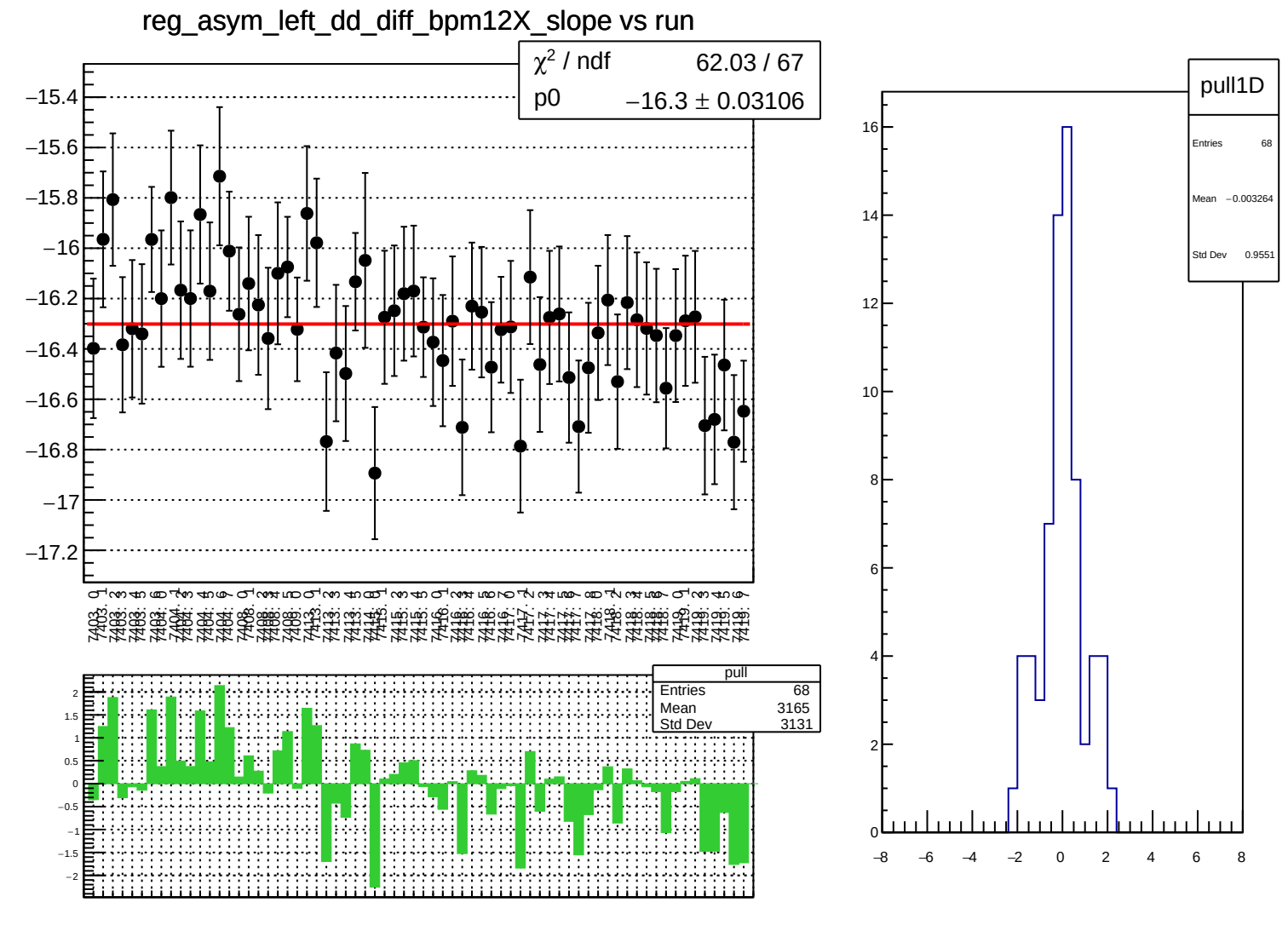

pull1D
Entries 68
Mean −0.0053
Std Dev 0.6973

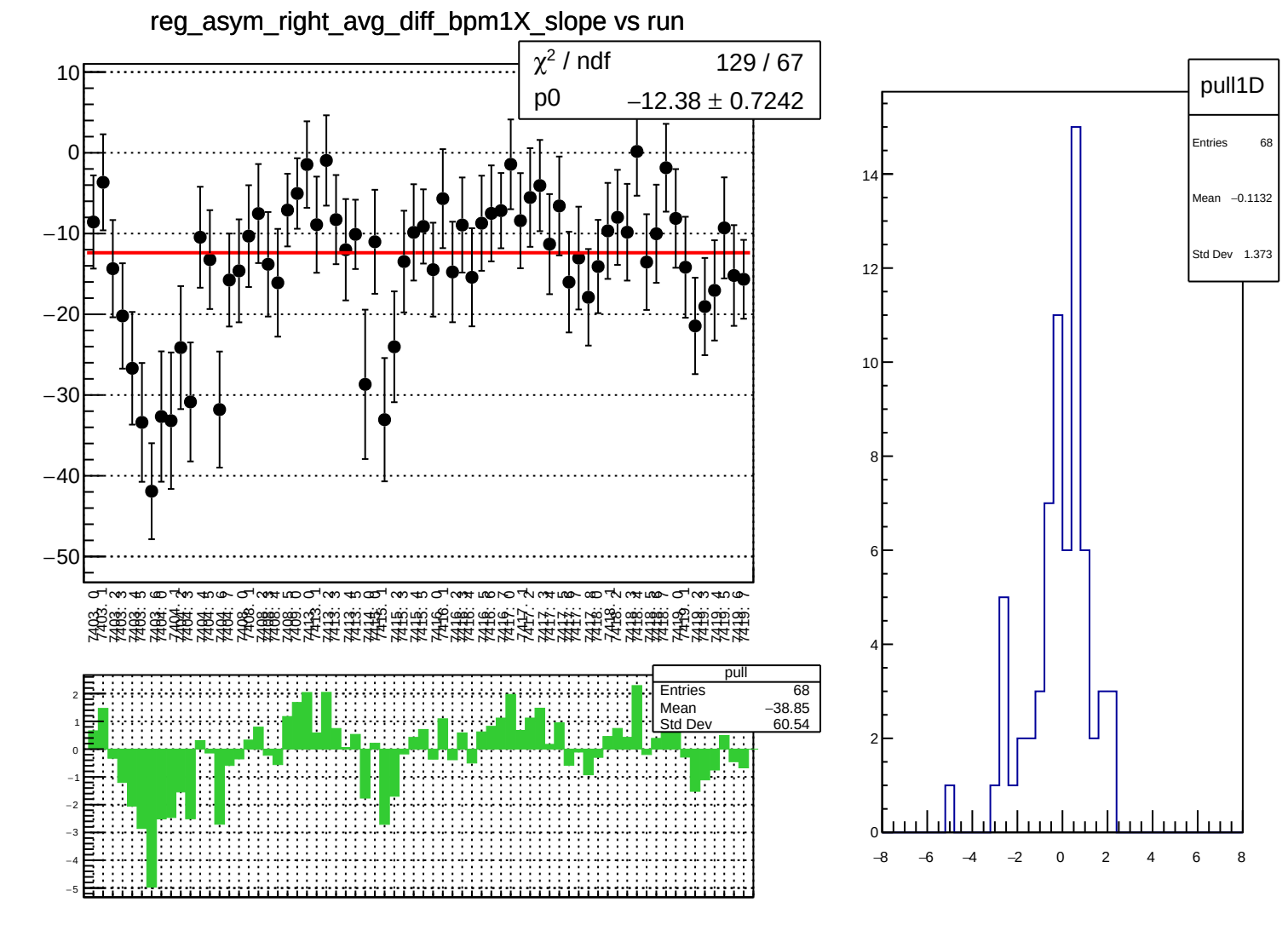

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.11 / 67
p0 2.035 ± 0.6806
pull
Entries 68
Mean −92.6
Std Dev 132.5

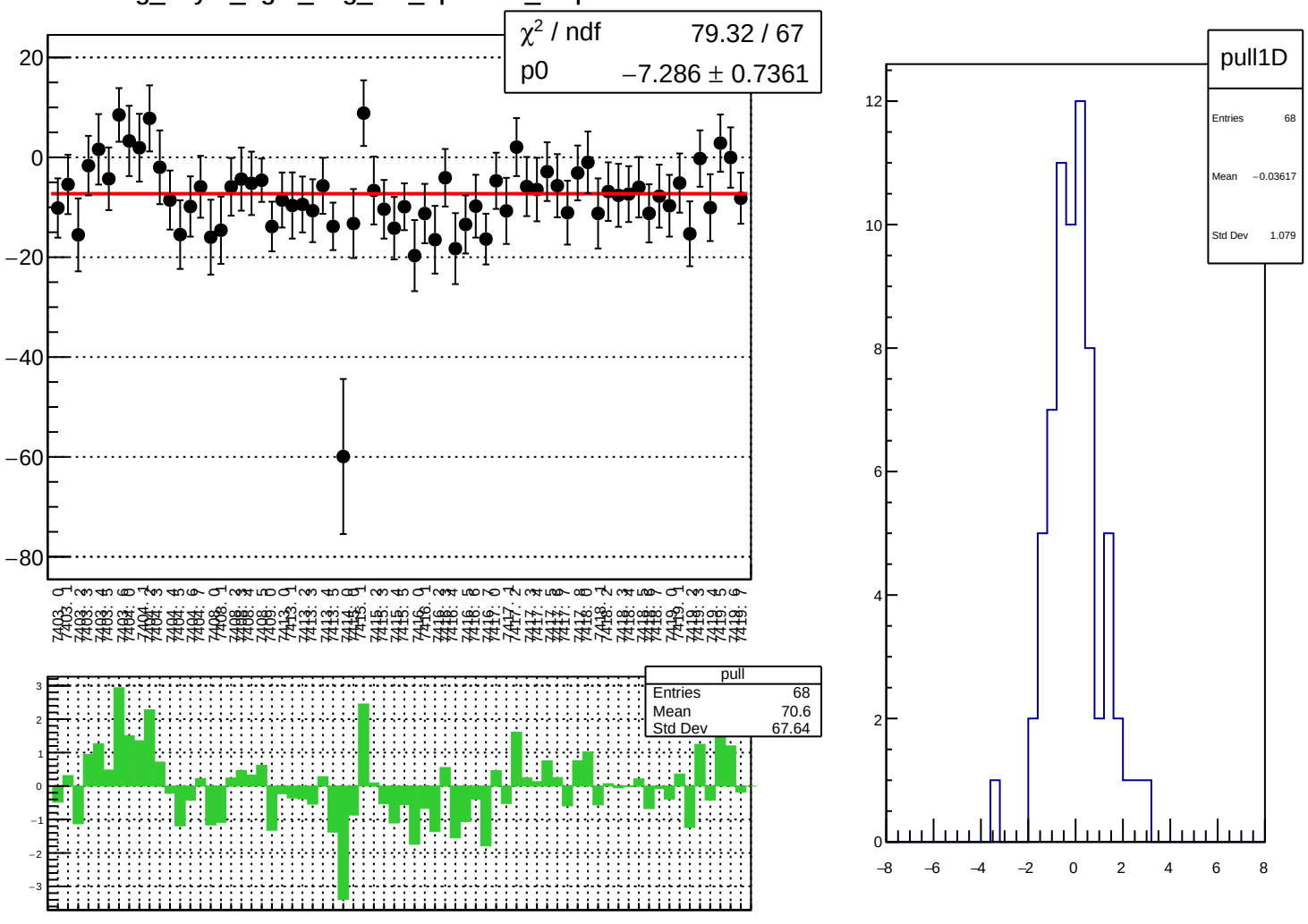

pull1D
Entries 68
Mean −0.00827
Std Dev 0.6313

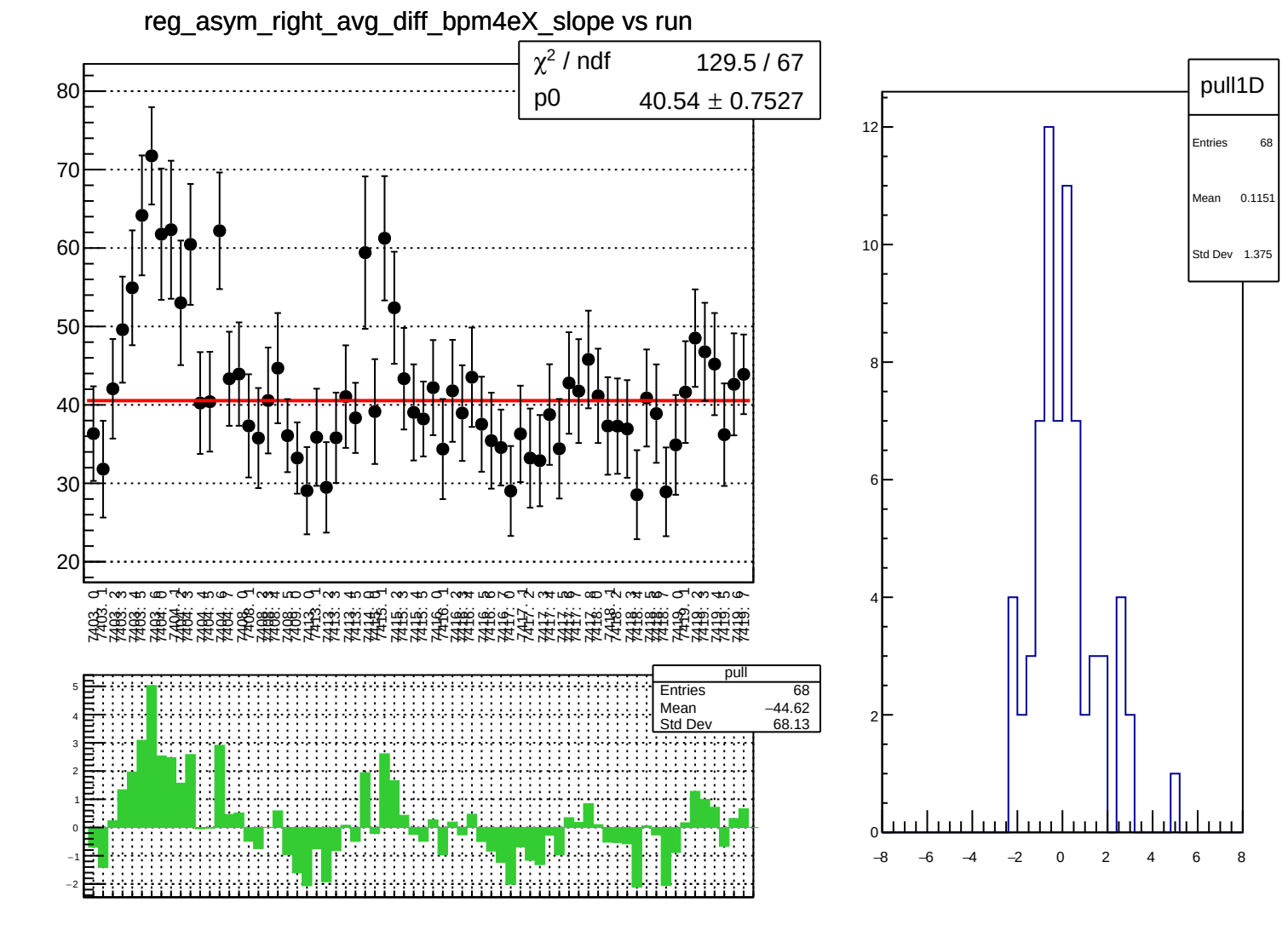

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.97 / 67
p0 3.776 ± 0.7044
pull
Entries 68
Mean 368.7
Std Dev 342.9

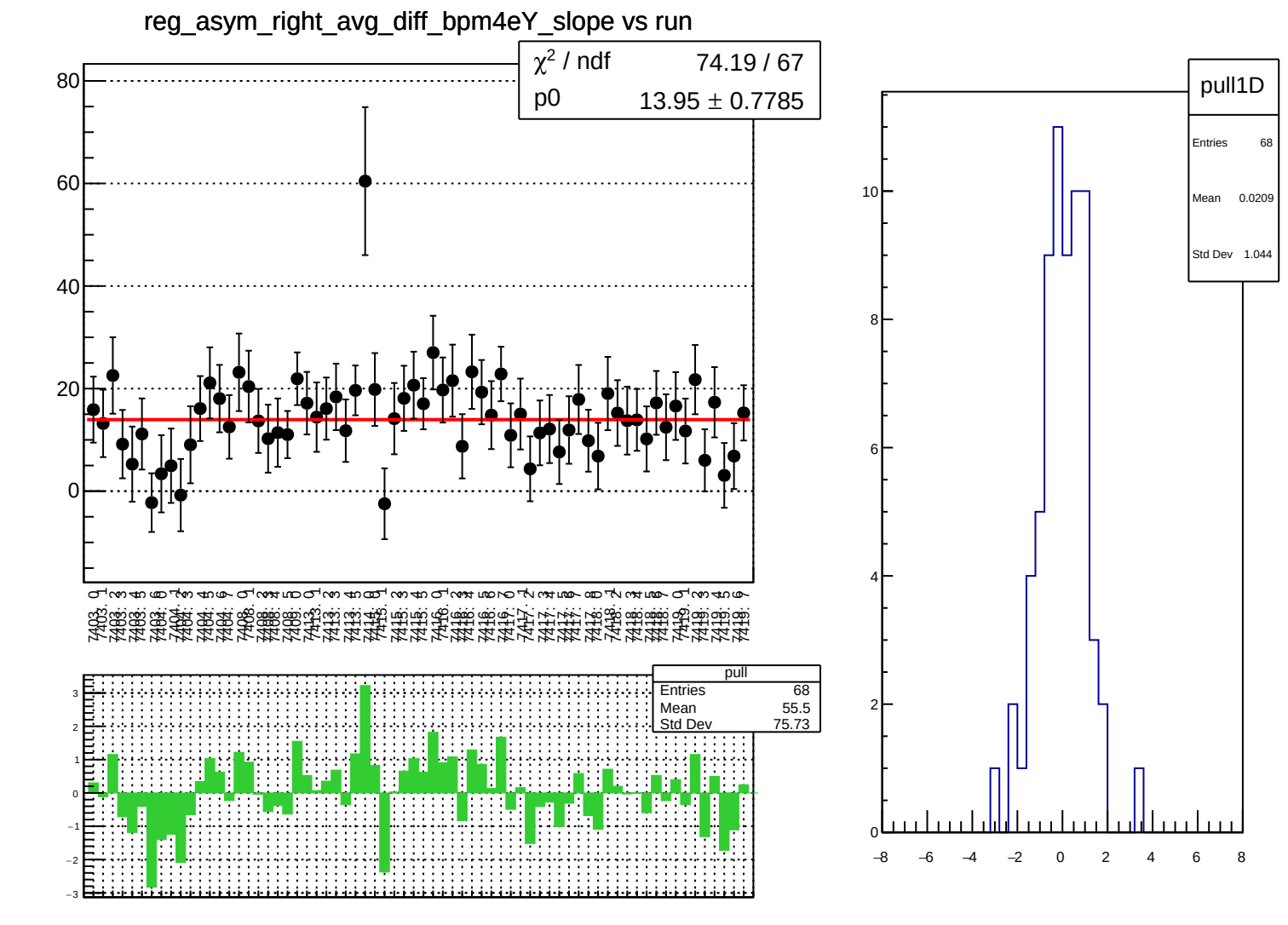

pull1D
Entries 68
Mean 0.003027
Std Dev 0.7171

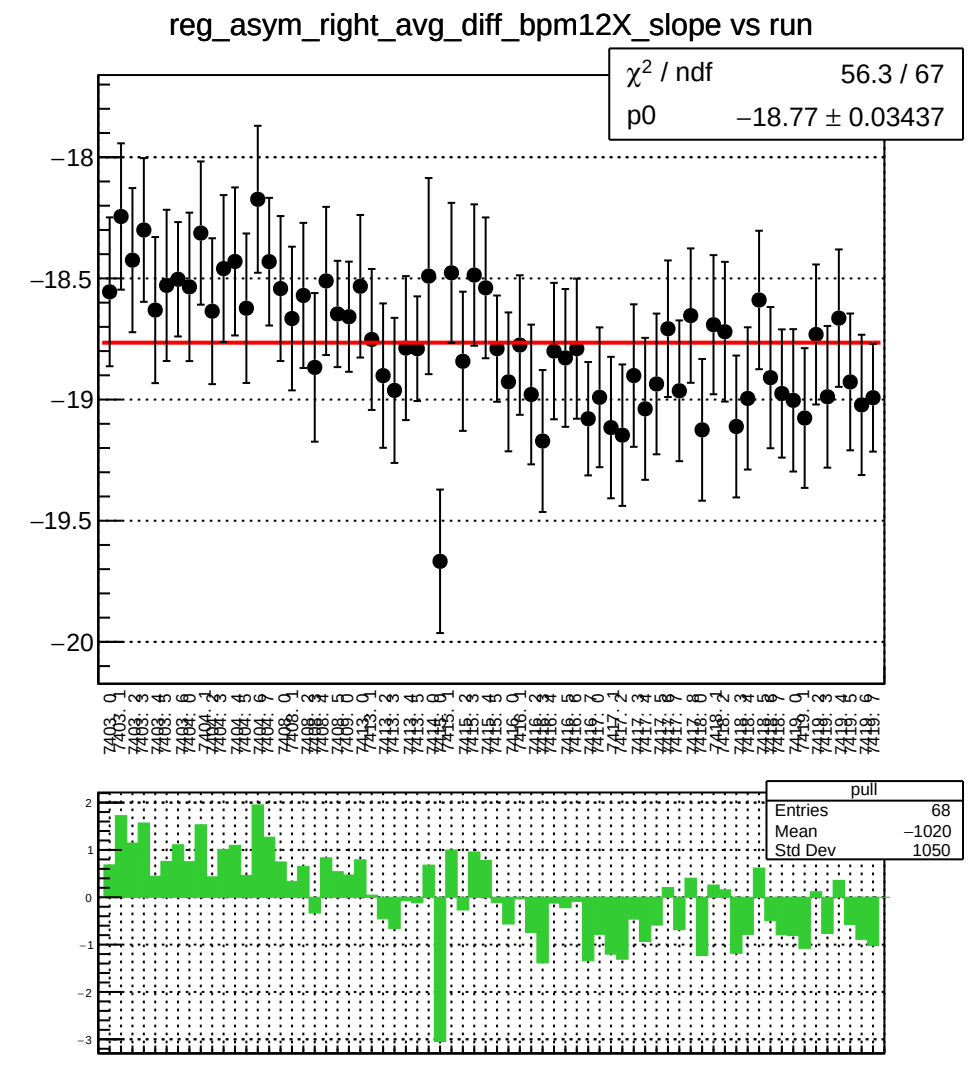

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 62.03 / 67
p0 −16.3 ± 0.03106
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
−17.2
pull
Entries 68
Mean 3165
Std Dev 3131
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 68
Mean −0.003264
Std Dev 0.9551
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

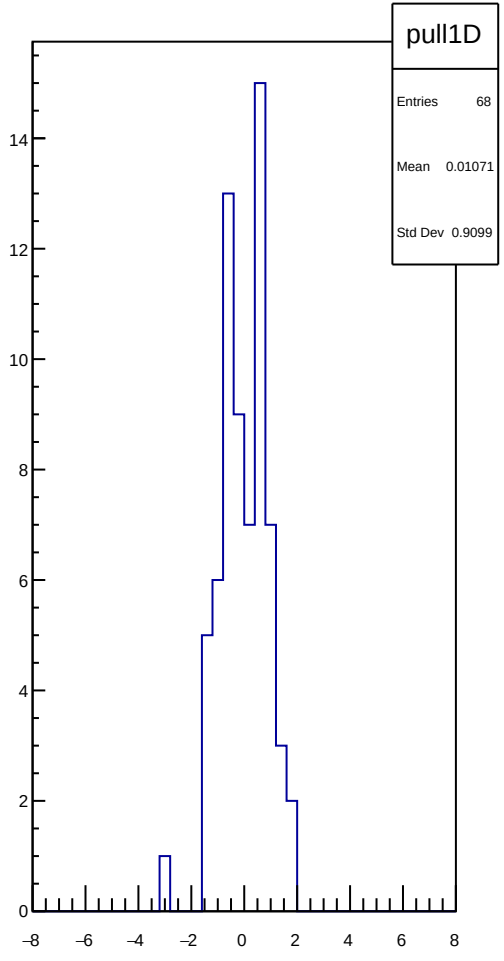

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 129 / 67
p0 −12.38 ± 0.7242
pull
Entries 68
Mean −38.85
Std Dev 60.54
pull1D
Entries 68
Mean −0.1132
Std Dev 1.373

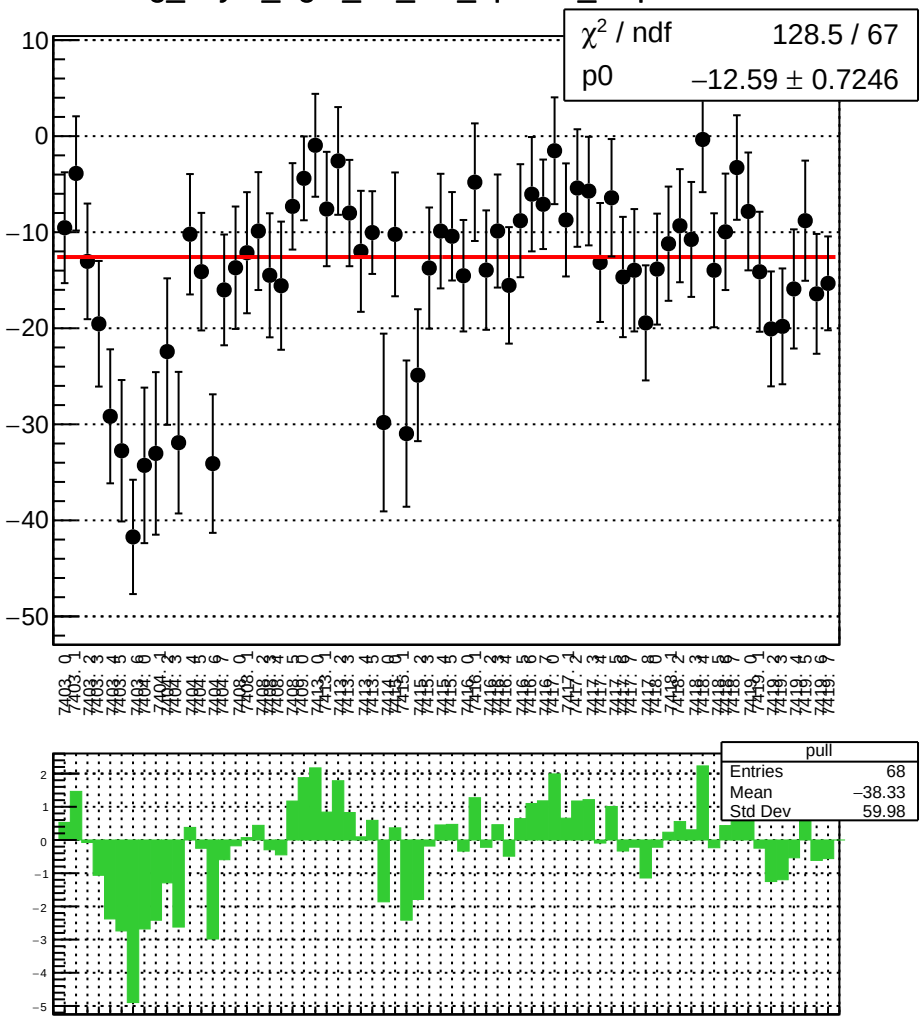

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.32 / 67
p0 −7.286 ± 0.7361
pull
Entries 68
Mean 70.6
Std Dev 67.64
pull1D
Entries 68
Mean −0.03617
Std Dev 1.079

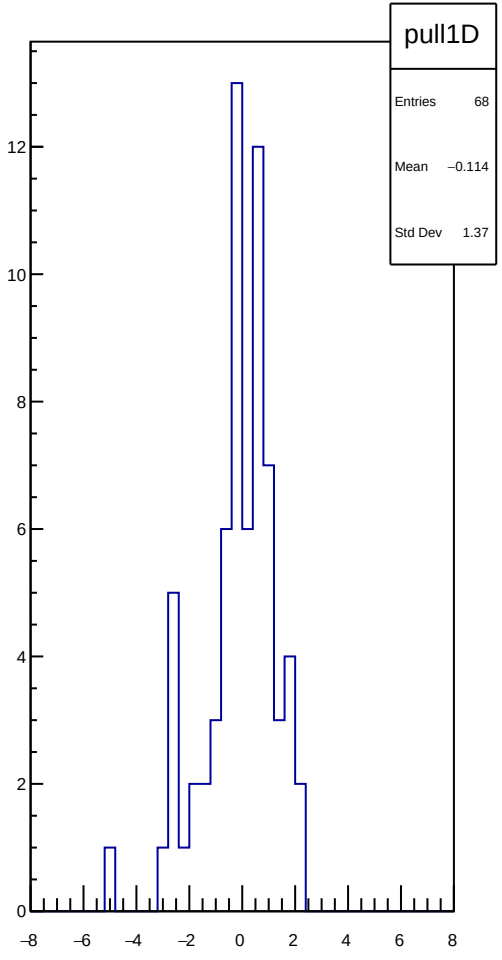

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 129.5 / 67
p0 40.54 ± 0.7527
pull
Entries 68
Mean −44.62
Std Dev 68.13
pull1D
Entries 68
Mean 0.1151
Std Dev 1.375

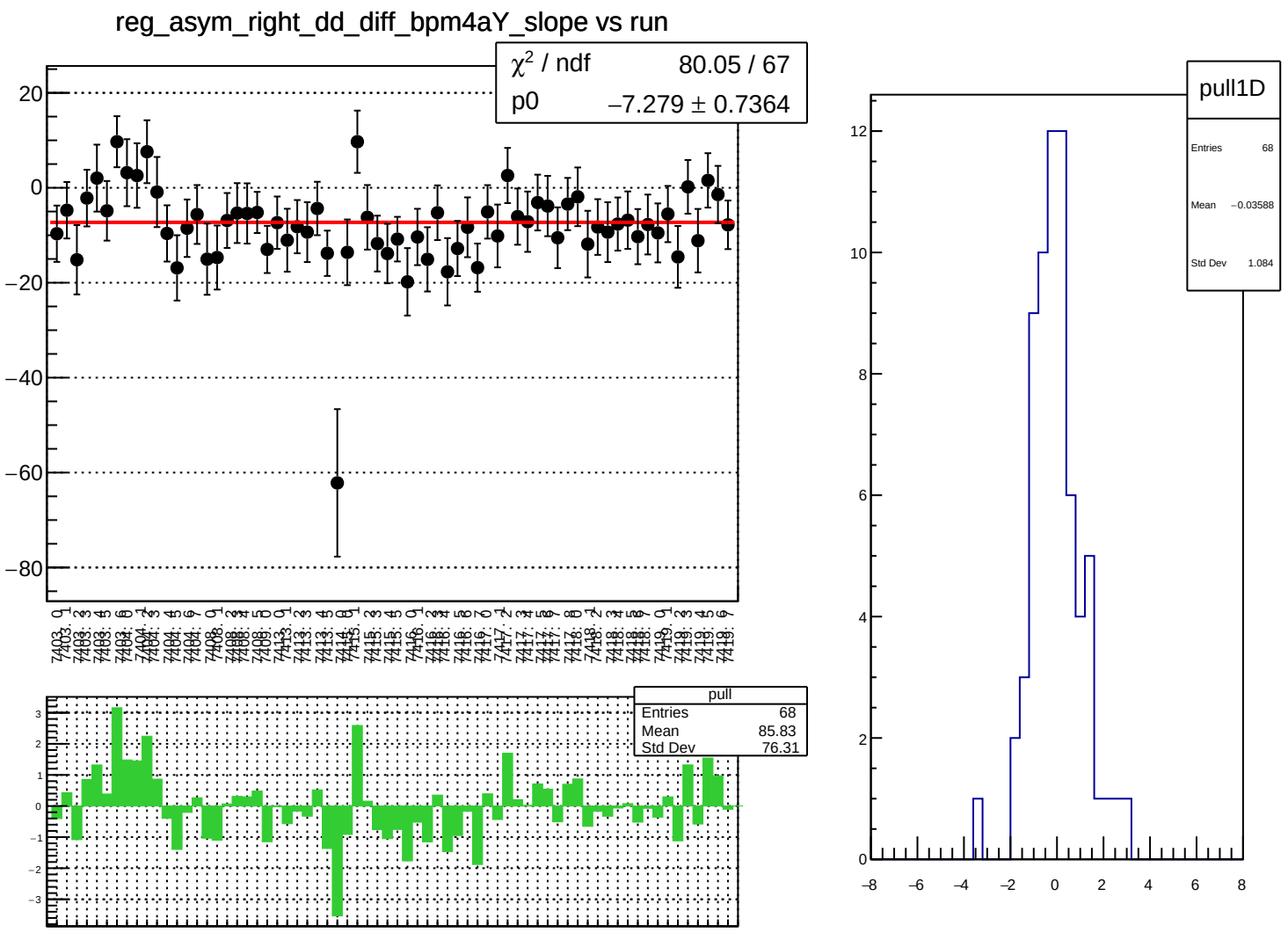

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.19 / 67
p0 13.95 ± 0.7785
pull
Entries 68
Mean 55.5
Std Dev 75.73
pull1D
Entries 68
Mean 0.0209
Std Dev 1.044

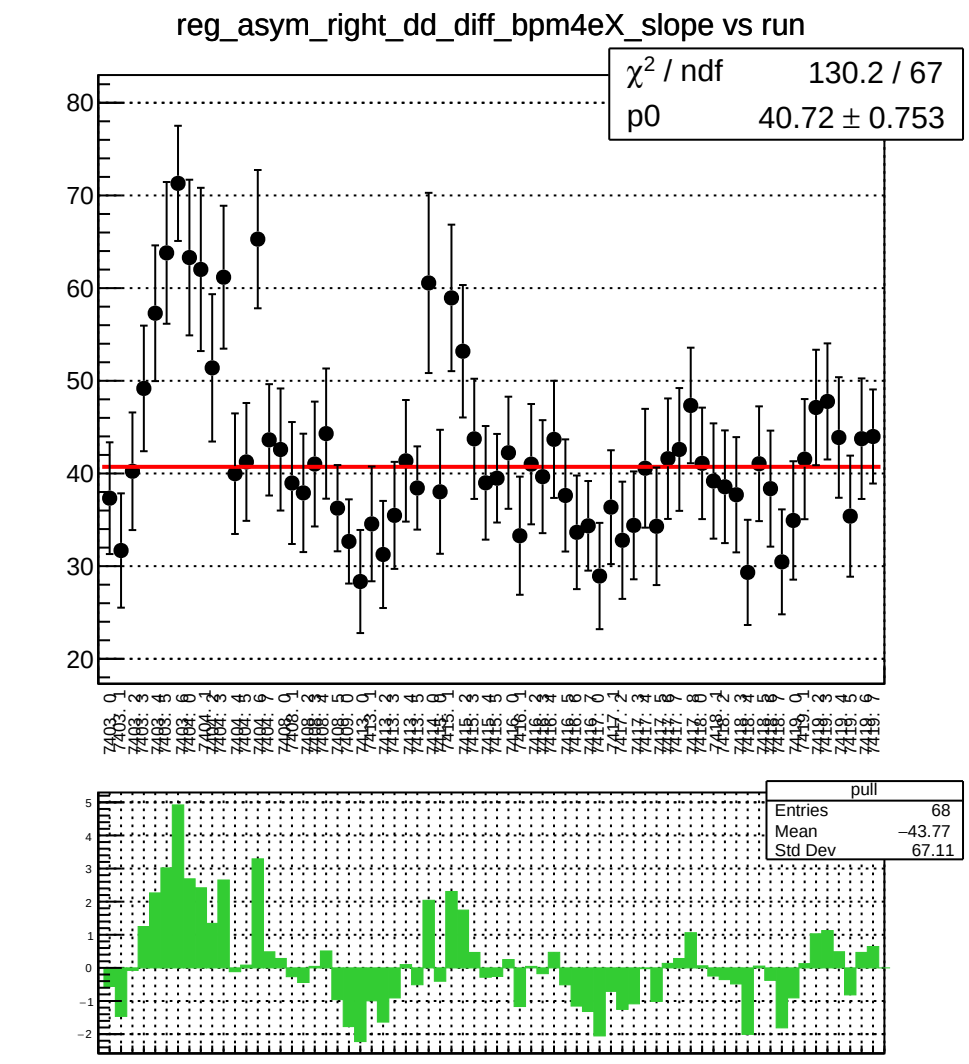

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 56.3 / 67
p0 −18.77 ± 0.03437
−18
−18.5
−19
−19.5
−20
pull
Entries 68
Mean −1020
Std Dev 1050
2
1
0
−1
−2
−3

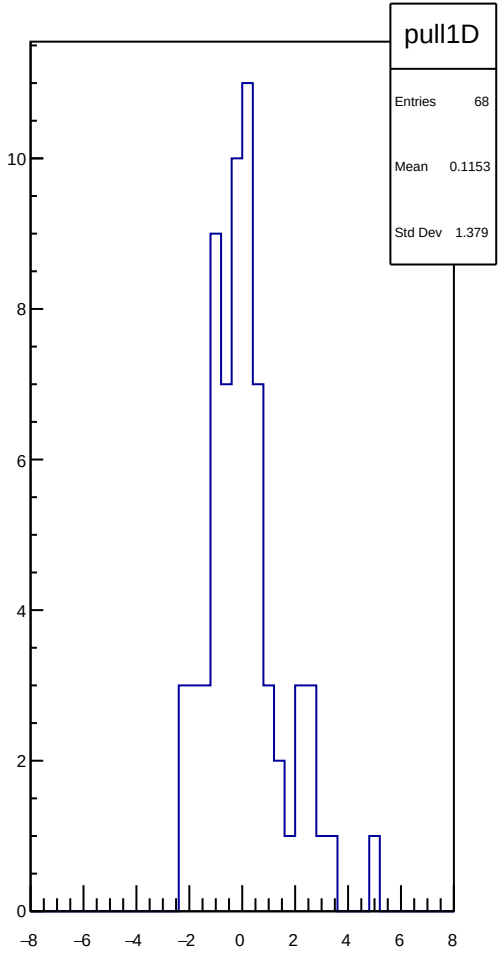

pull1D
Entries 68
Mean 0.01071
Std Dev 0.9099
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

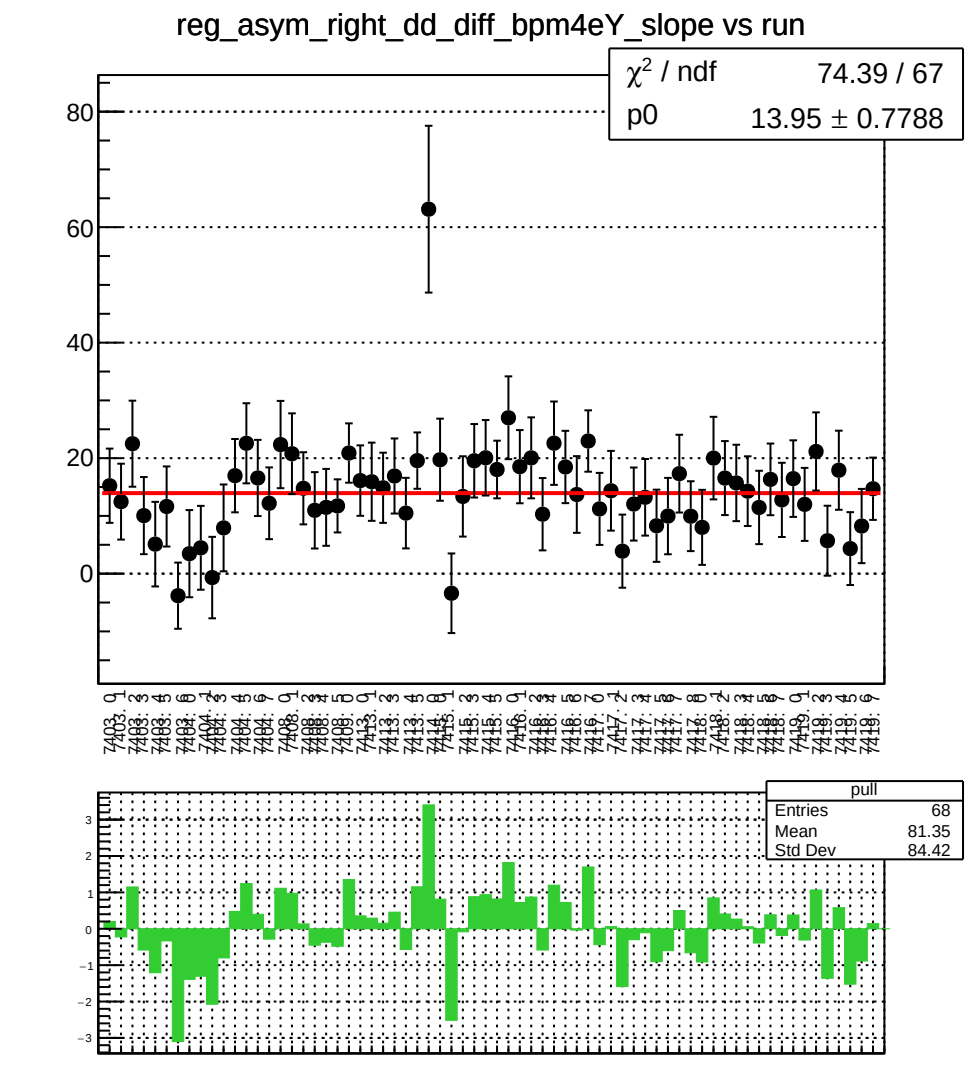

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 128.5 / 67
p0 −12.59 ± 0.7246
pull
Entries 68
Mean −38.33
Std Dev 59.98

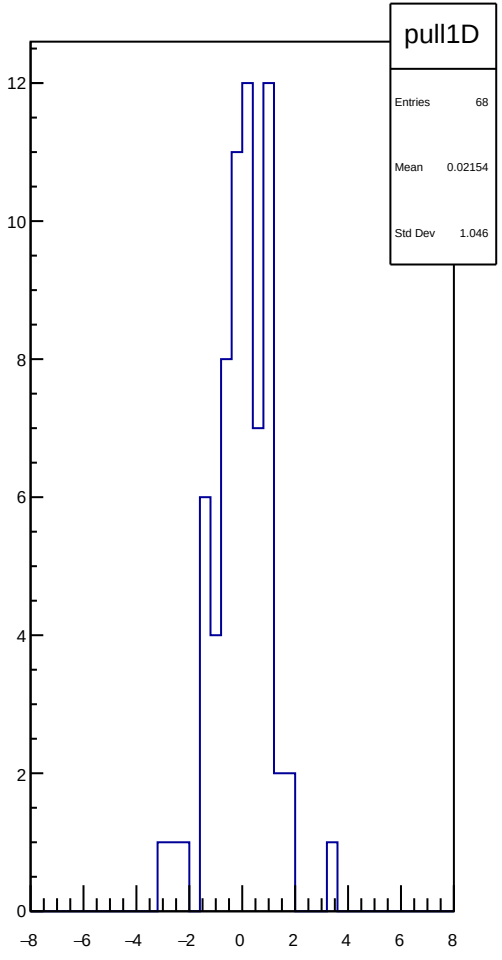

pull1D
Entries 68
Mean −0.114
Std Dev 1.37

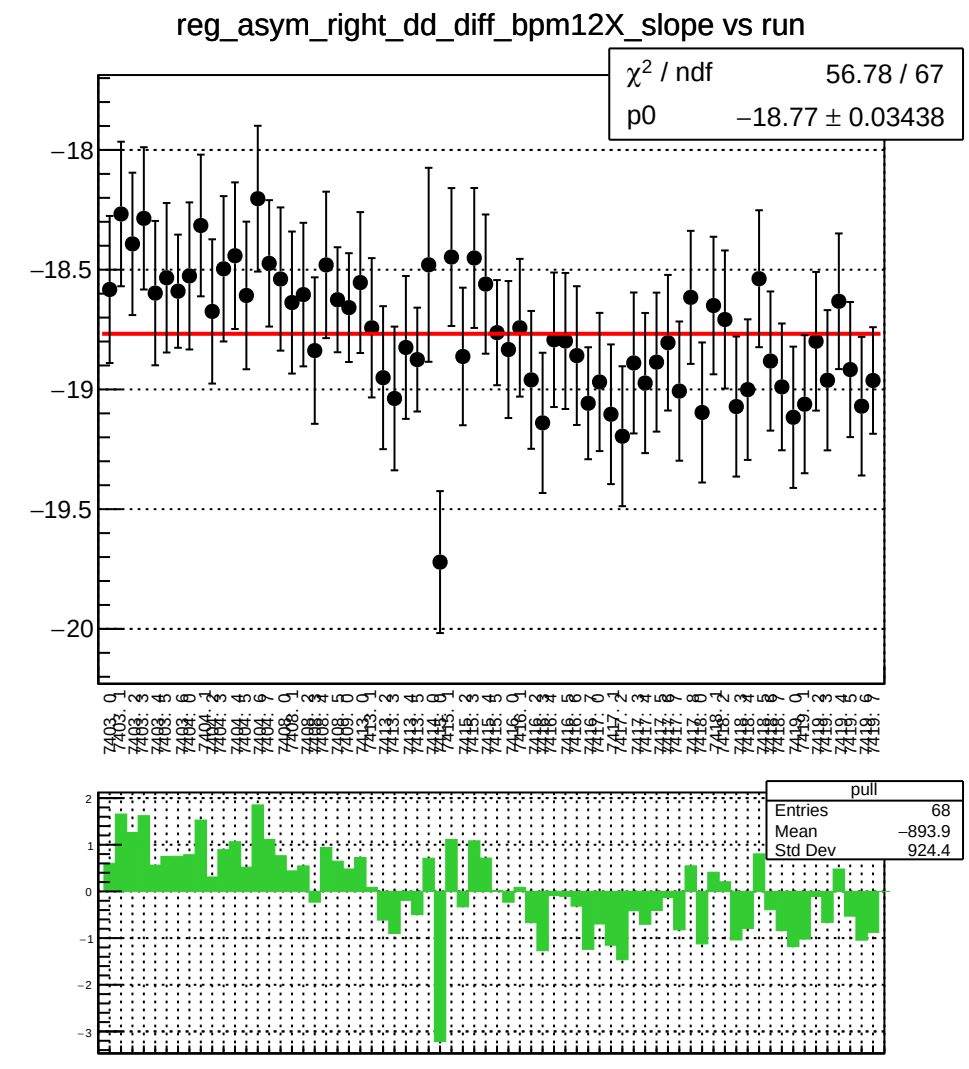

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.05 / 67
p0 −7.279 ± 0.7364
pull
Entries 68
Mean 85.83
Std Dev 76.31
pull1D
Entries 68
Mean −0.03588
Std Dev 1.084

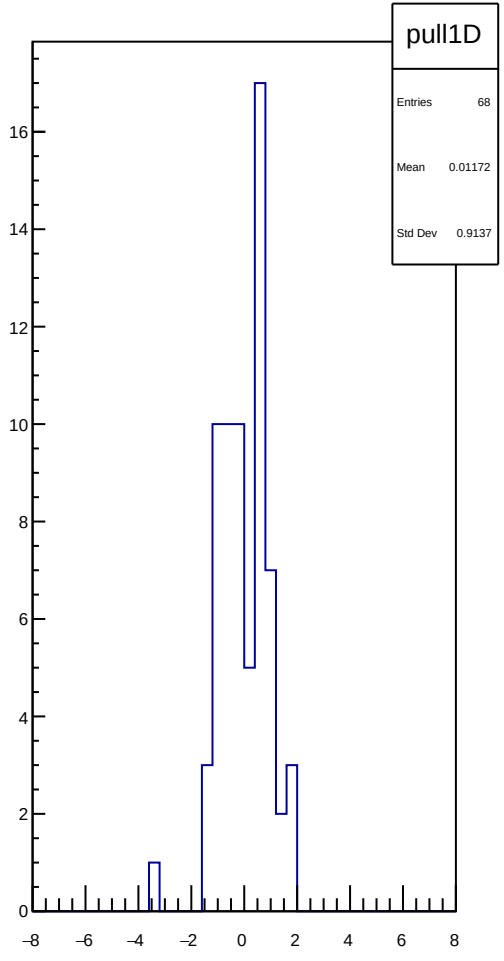

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 130.2 / 67
p0 40.72 ± 0.753
pull
Entries 68
Mean −43.77
Std Dev 67.11

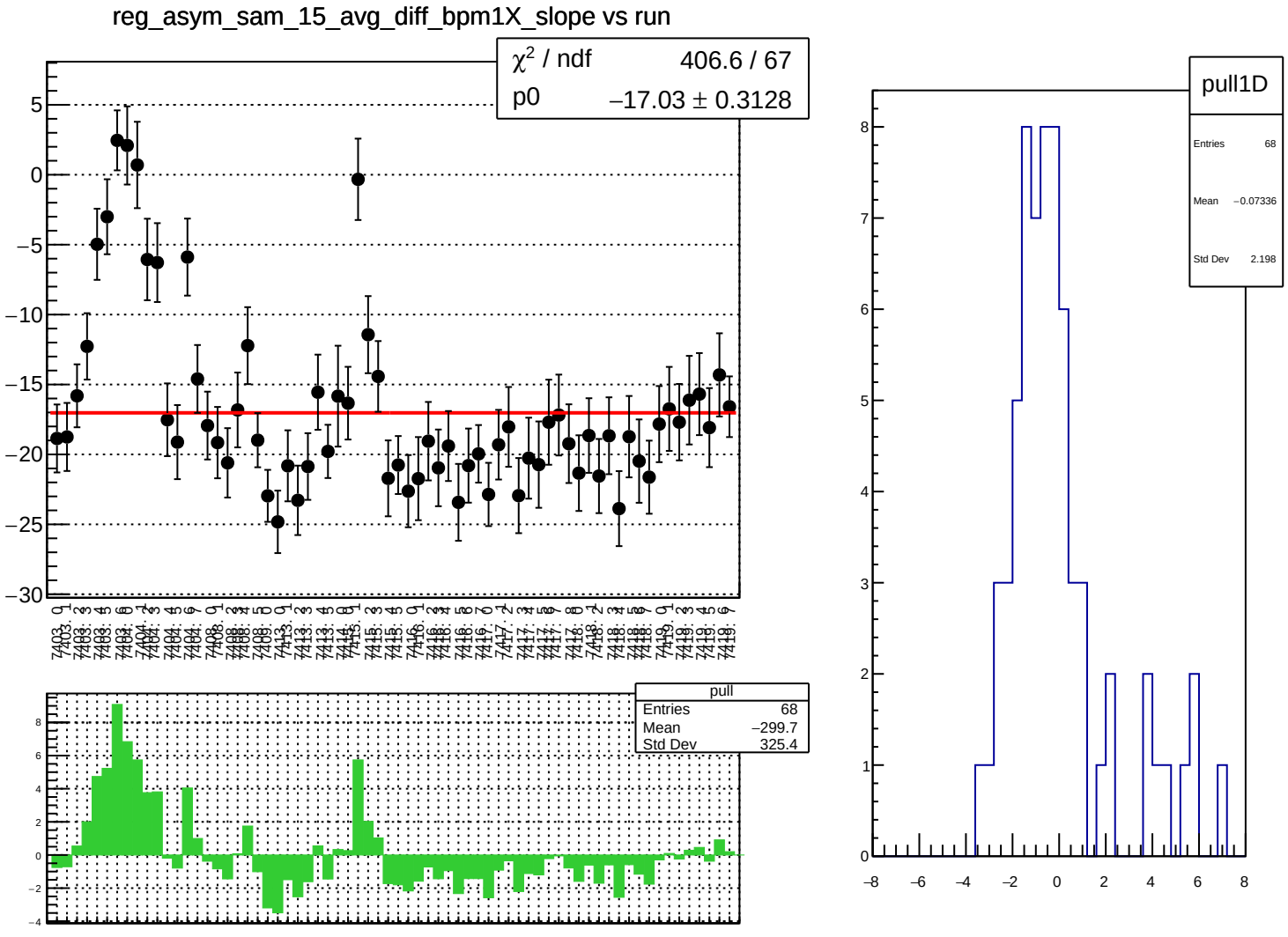

pull1D
Entries 68
Mean 0.1153
Std Dev 1.379

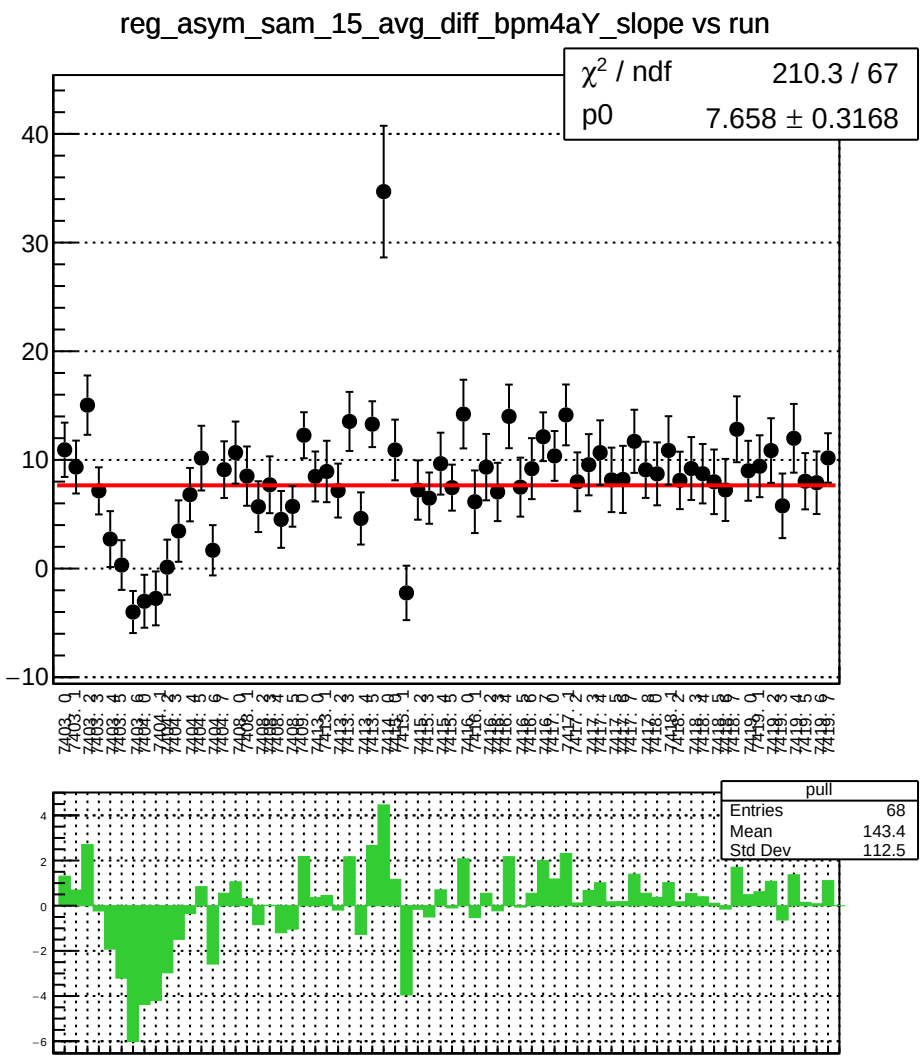

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.39 / 67
p0 13.95 ± 0.7788
pull
Entries 68
Mean 81.35
Std Dev 84.42

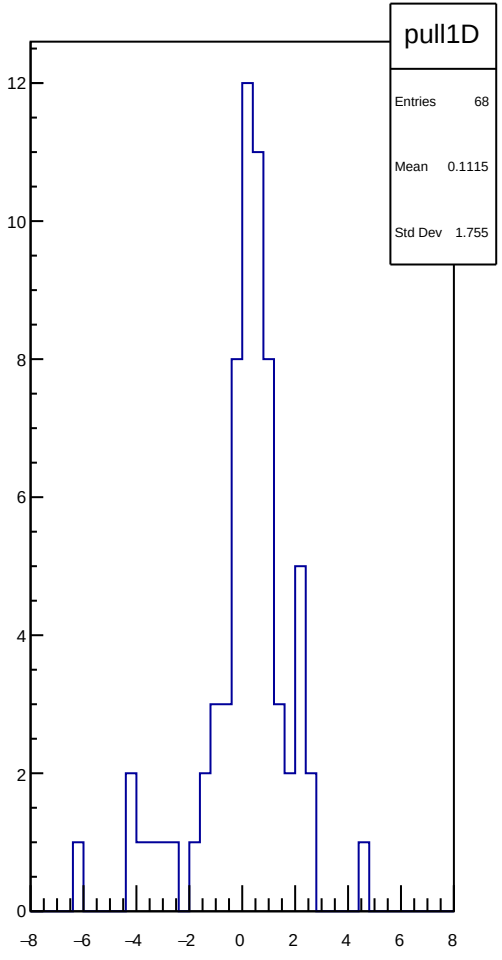

pull1D
Entries 68
Mean 0.02154
Std Dev 1.046

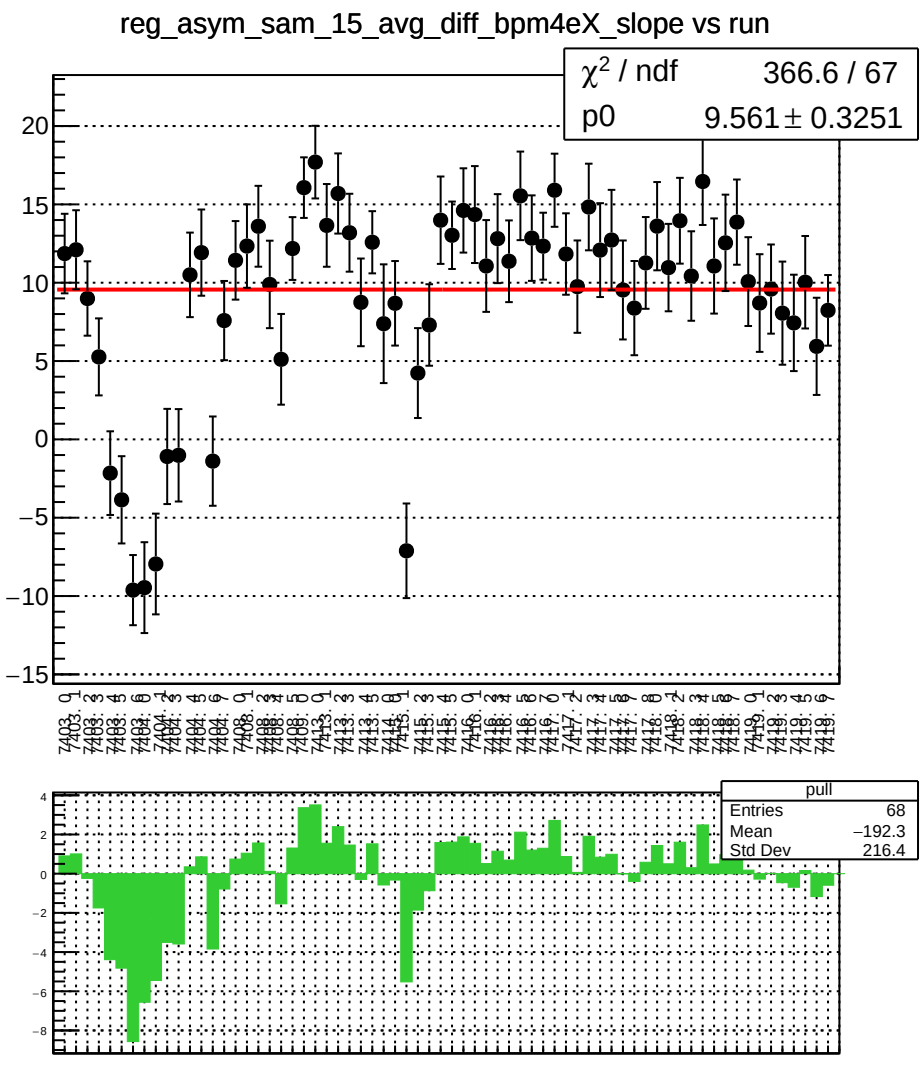

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 56.78 / 67
p0 −18.77 ± 0.03438
−18
−18.5
−19
−19.5
−20
pull
Entries 68
Mean −893.9
Std Dev 924.4
2
1
0
−1
−2
−3

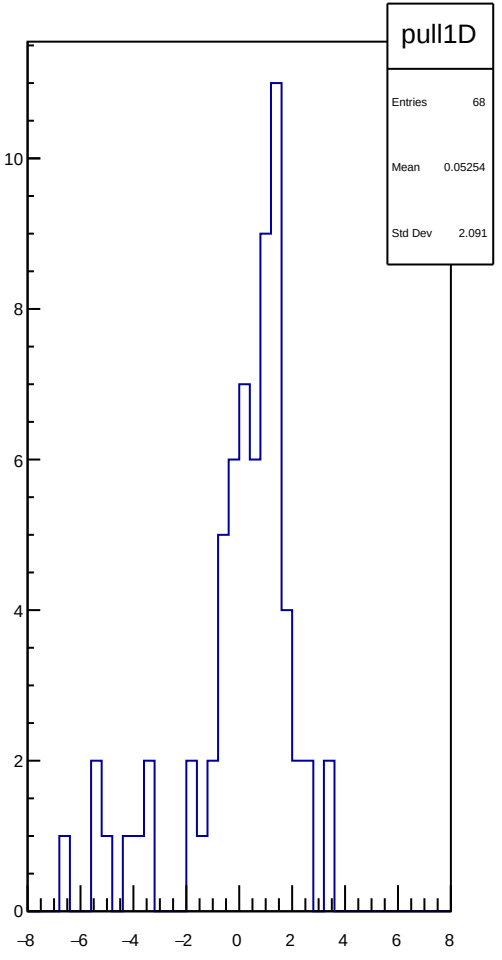

pull1D
Entries 68
Mean 0.01172
Std Dev 0.9137
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

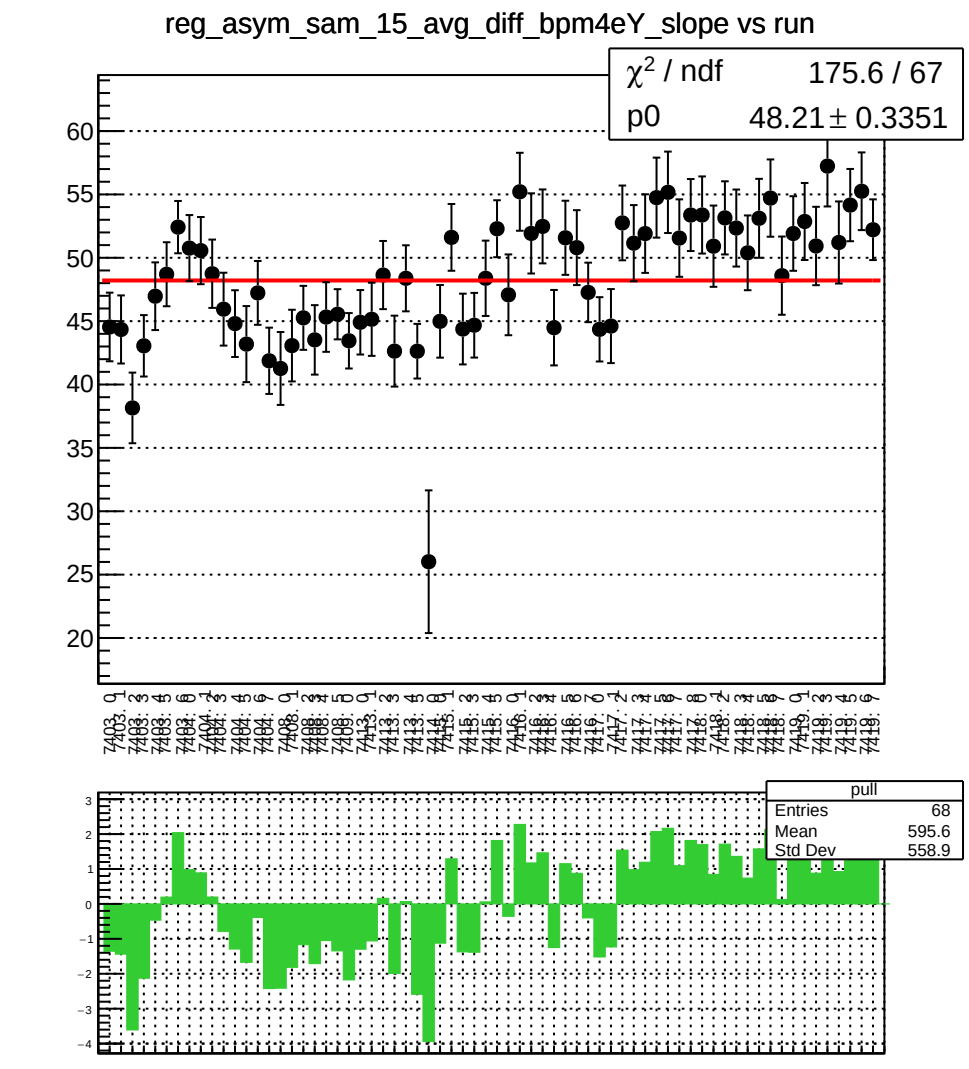

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 406.6 / 67
p0 −17.03 ± 0.3128
pull
Entries 68
Mean −299.7
Std Dev 325.4
pull1D
Entries 68
Mean −0.07336
Std Dev 2.198

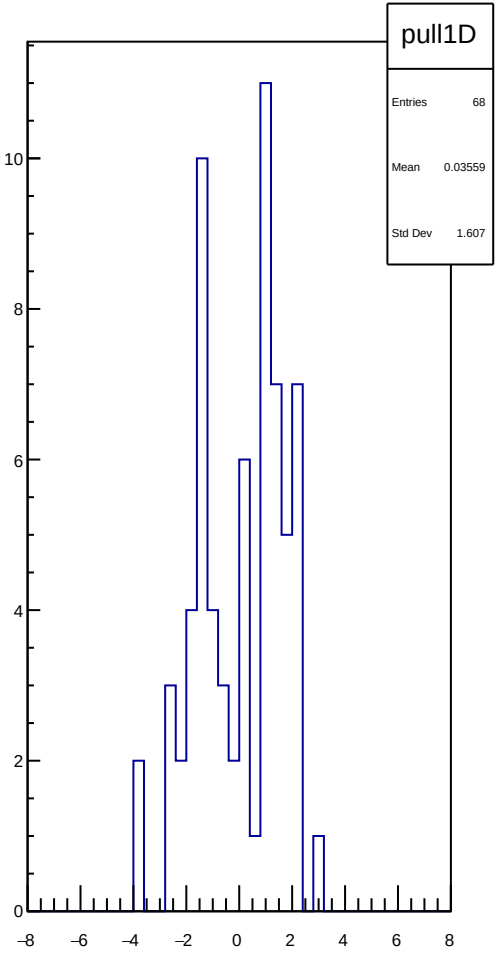

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 210.3 / 67
p0 7.658 ± 0.3168
pull
Entries 68
Mean 143.4
Std Dev 112.5

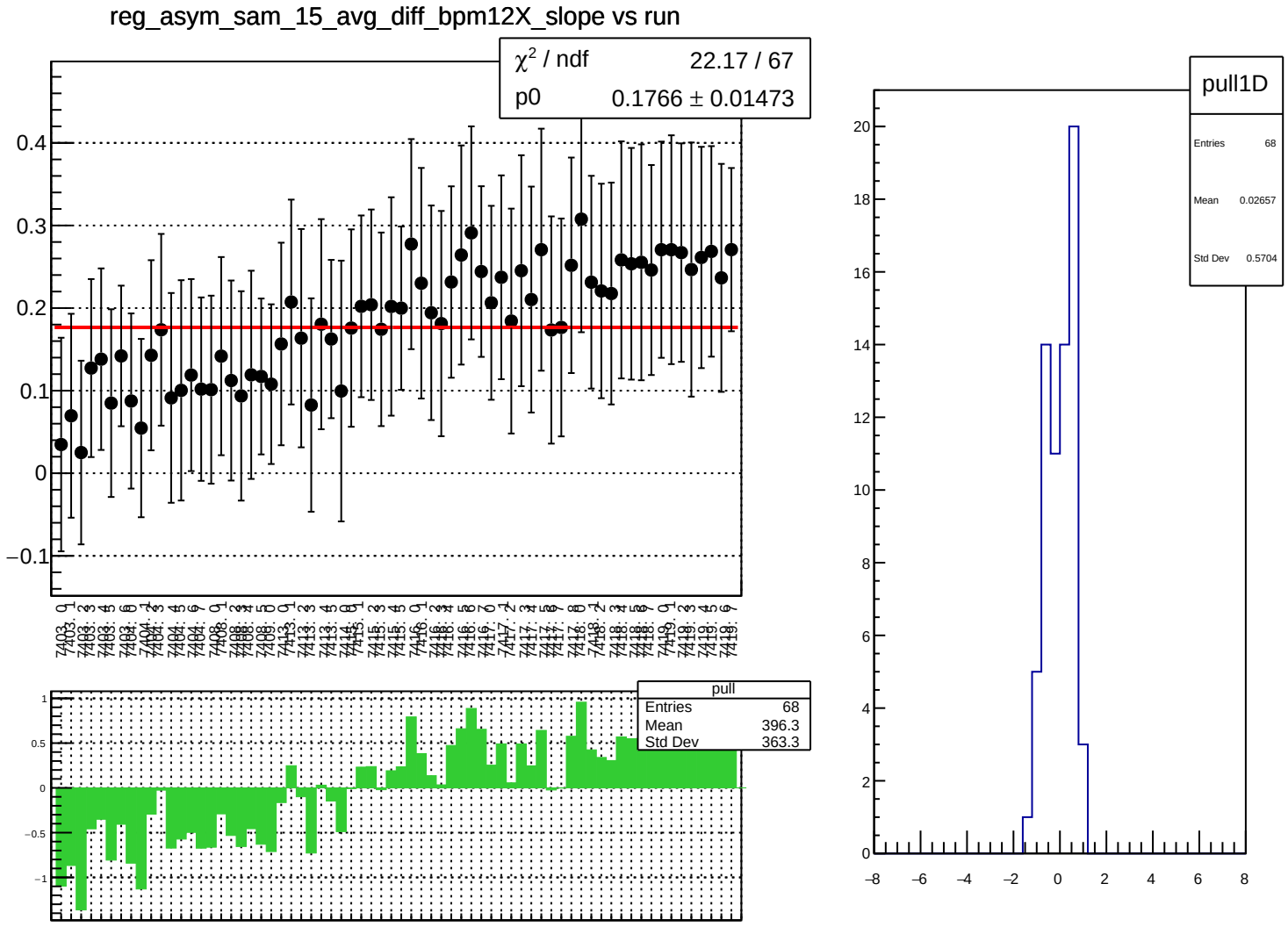

pull1D
Entries 68
Mean 0.1115
Std Dev 1.755

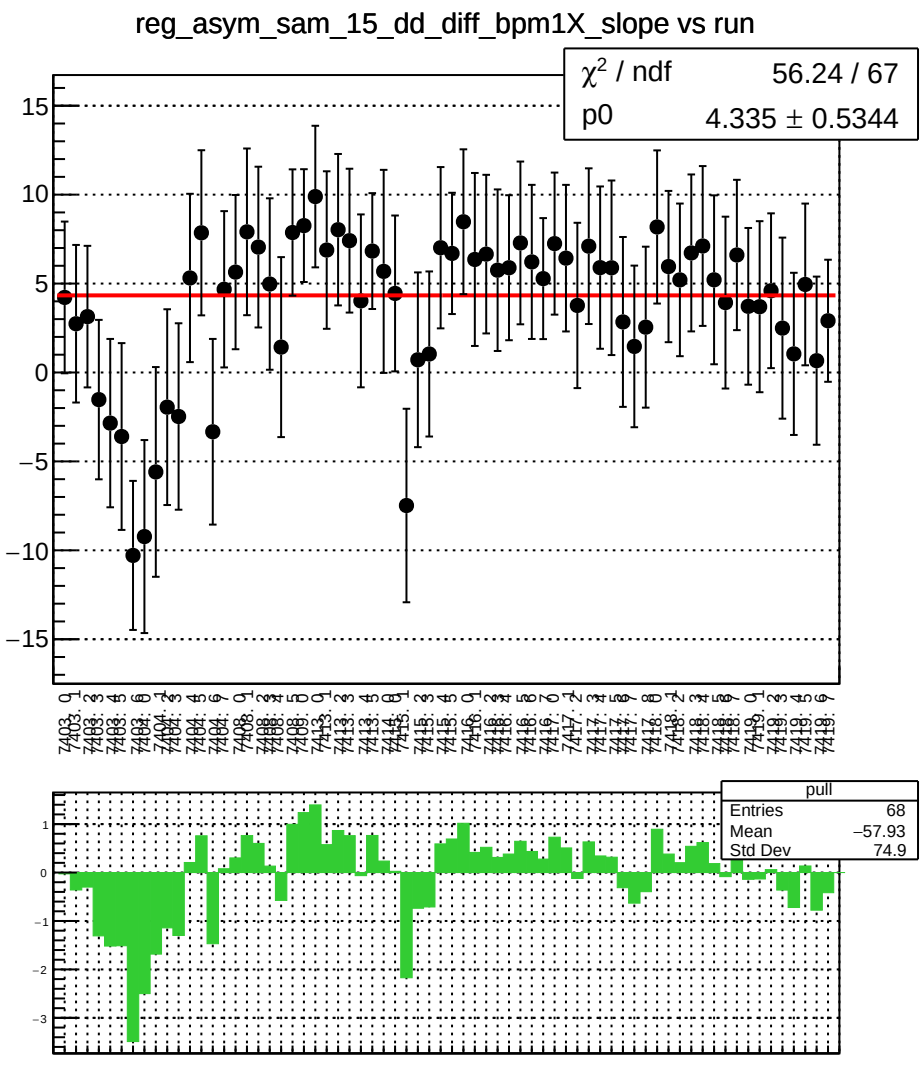

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 366.6 / 67
p0 9.561 ± 0.3251
pull
Entries 68
Mean −192.3
Std Dev 216.4

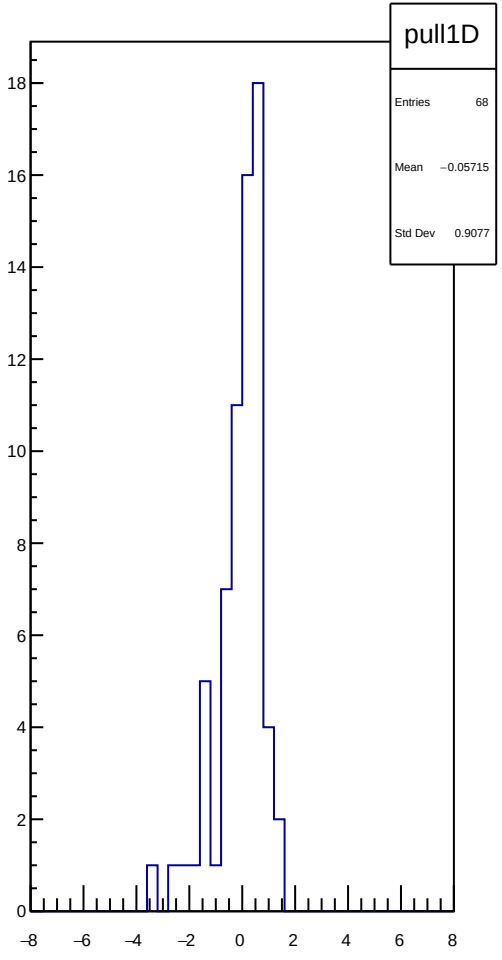

pull1D
Entries 68
Mean 0.05254
Std Dev 2.091

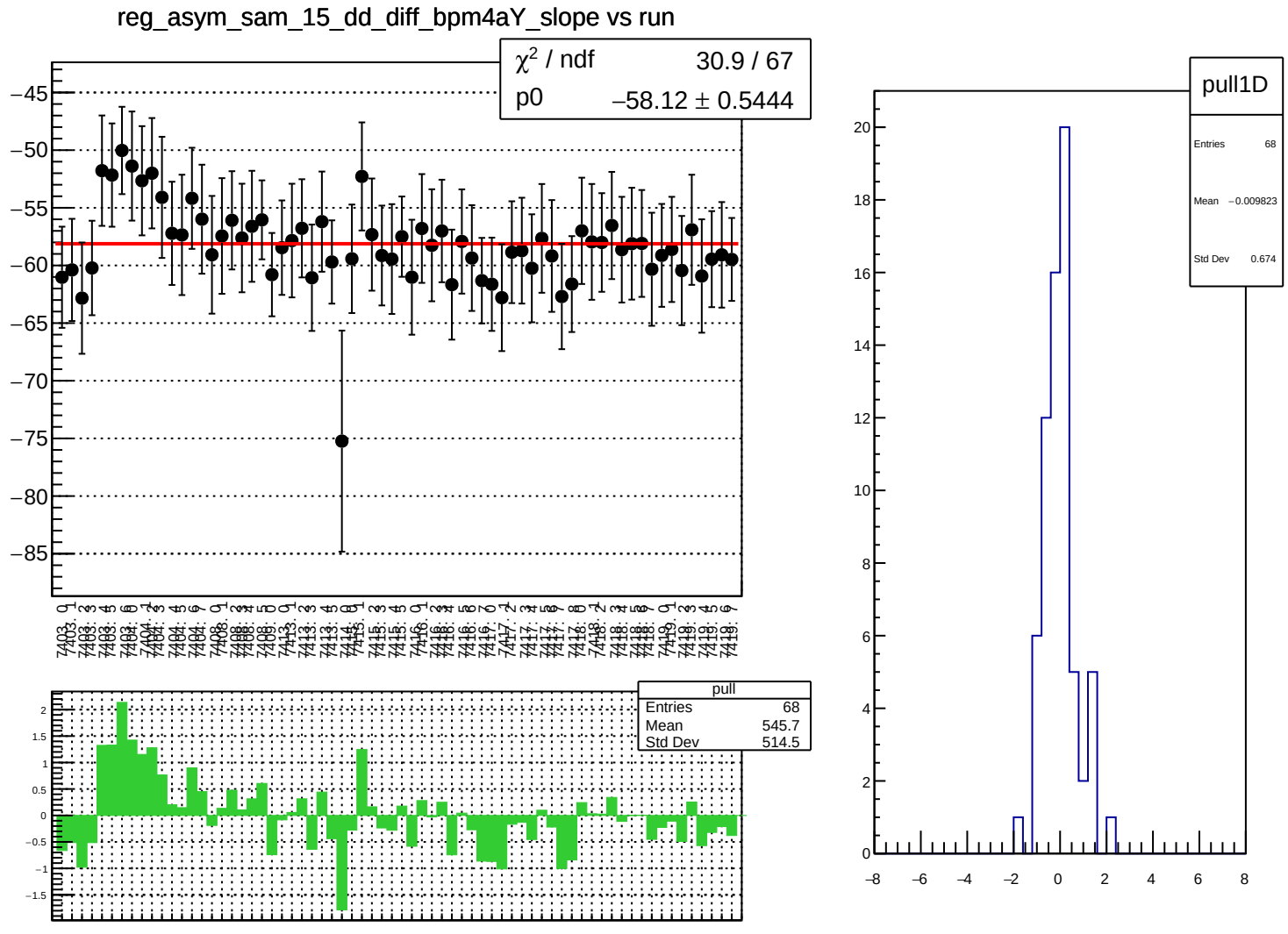

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 175.6 / 67
p0 48.21 ± 0.3351
pull
Entries 68
Mean 595.6
Std Dev 558.9

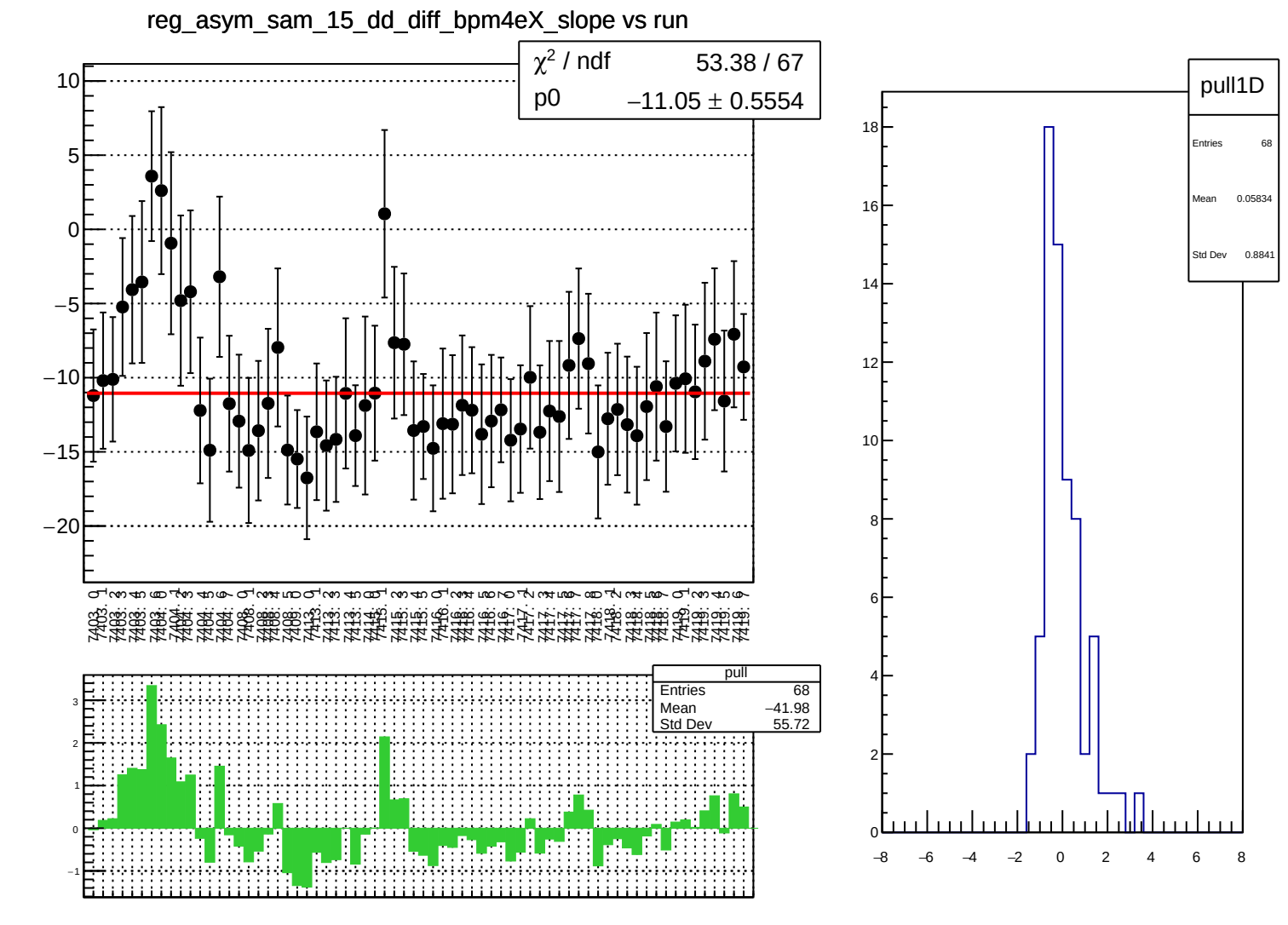

pull1D
Entries 68
Mean 0.03559
Std Dev 1.607

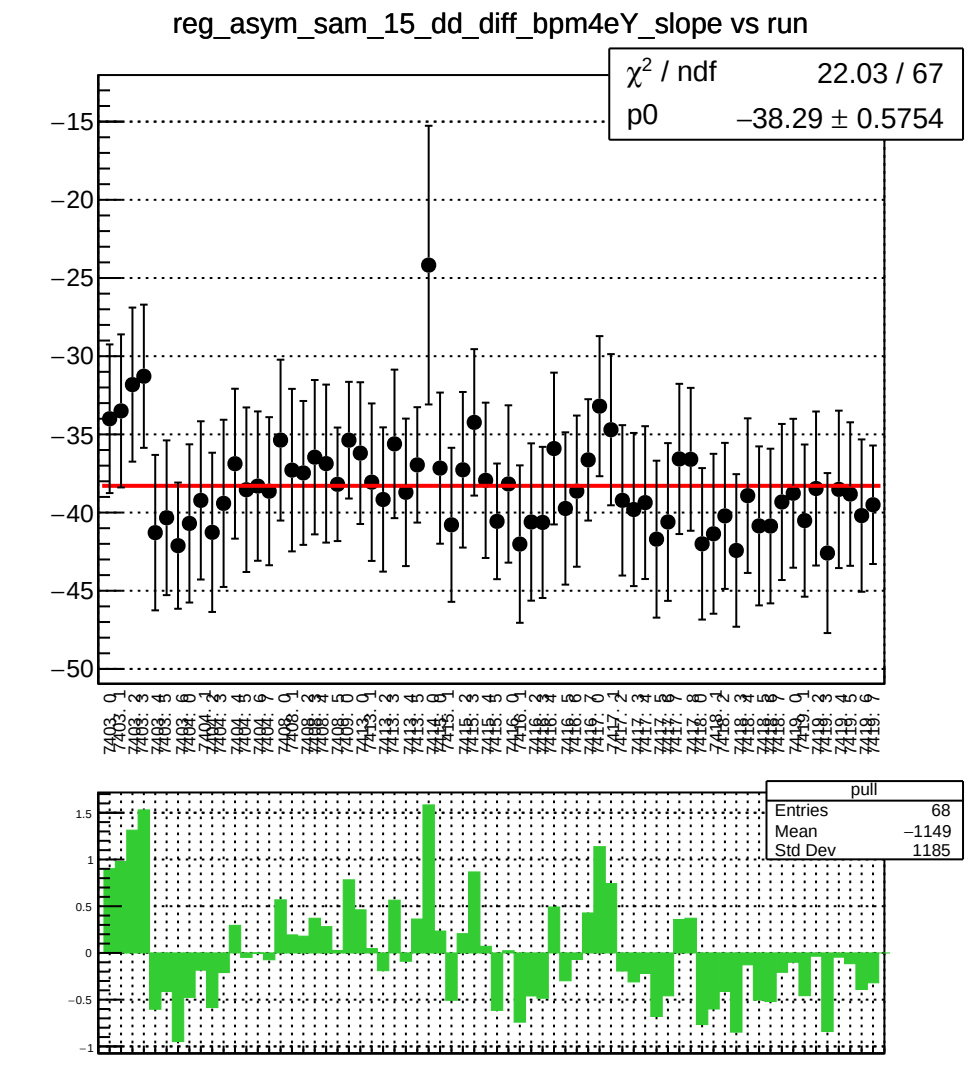

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 22.17 / 67
p0 0.1766 ± 0.01473
pull
Entries 68
Mean 396.3
Std Dev 363.3
pull1D
Entries 68
Mean 0.02657
Std Dev 0.5704

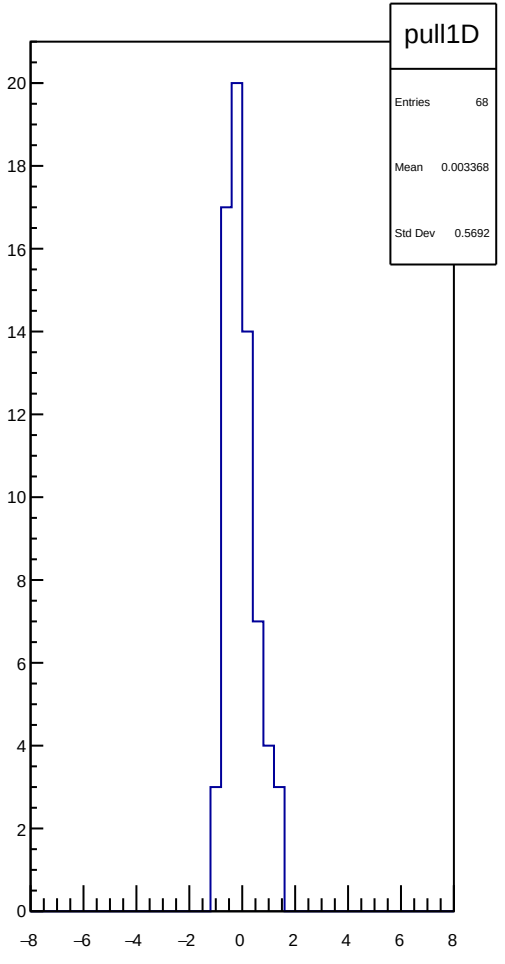

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 56.24 / 67
p0 4.335 ± 0.5344
pull
Entries 68
Mean −57.93
Std Dev 74.9

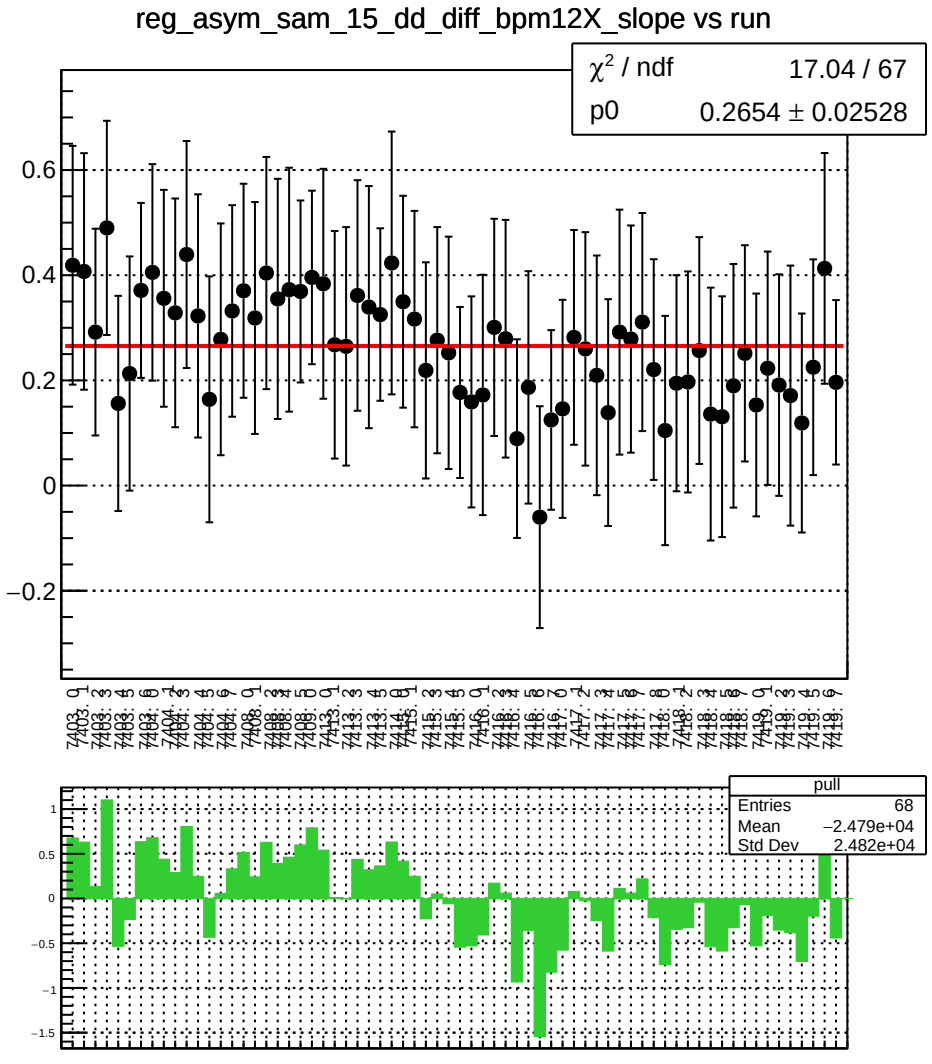

pull1D
Entries 68
Mean −0.05715
Std Dev 0.9077

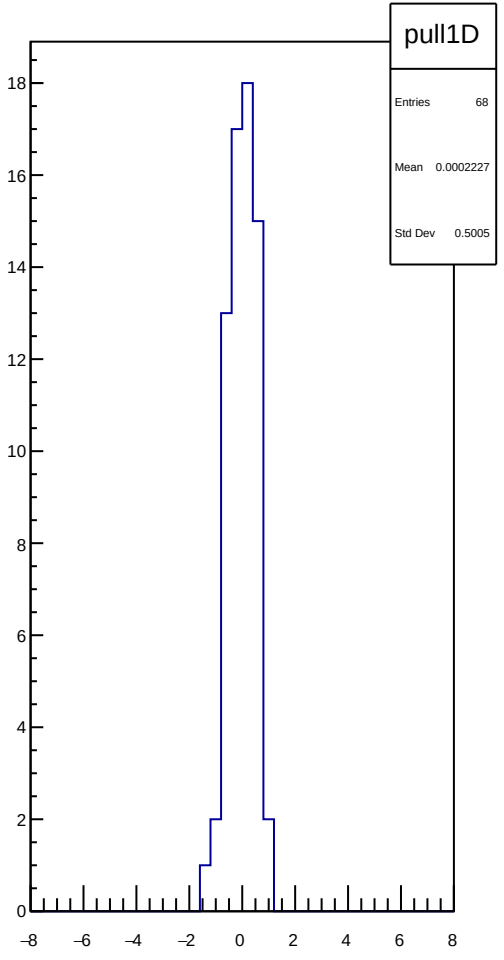

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.9 / 67
p0 −58.12 ± 0.5444
pull
Entries 68
Mean 545.7
Std Dev 514.5
pull1D
Entries 68
Mean −0.009823
Std Dev 0.674

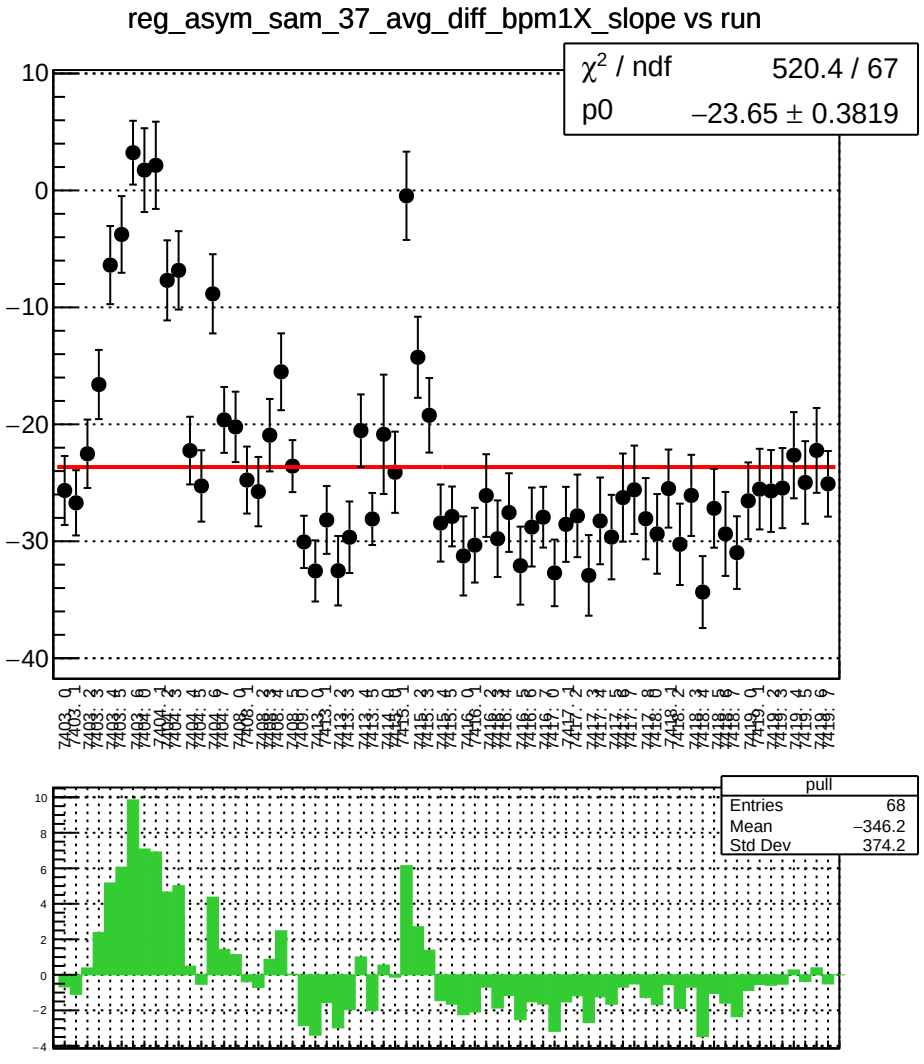

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.38 / 67
p0 −11.05 ± 0.5554
pull
Entries 68
Mean −41.98
Std Dev 55.72
pull1D
Entries 68
Mean 0.05834
Std Dev 0.8841

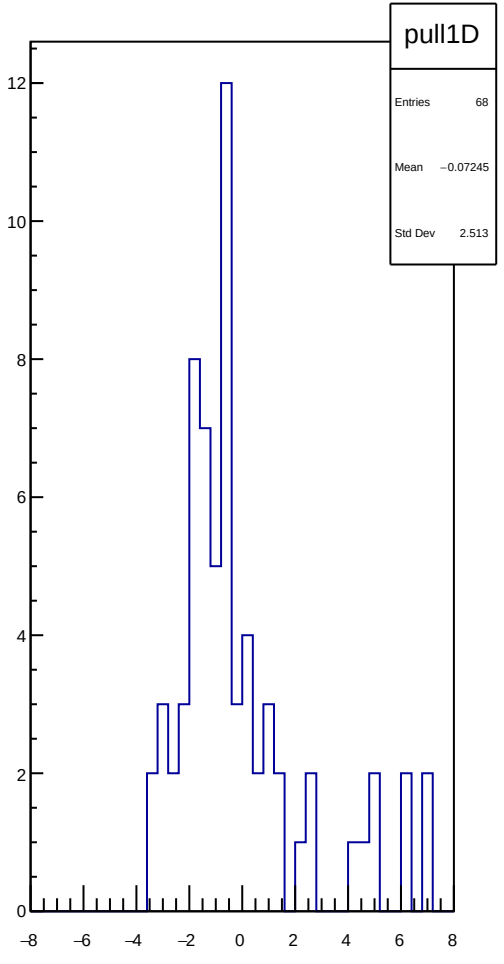

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.03 / 67
p0 −38.29 ± 0.5754
pull
Entries 68
Mean −1149
Std Dev 1185

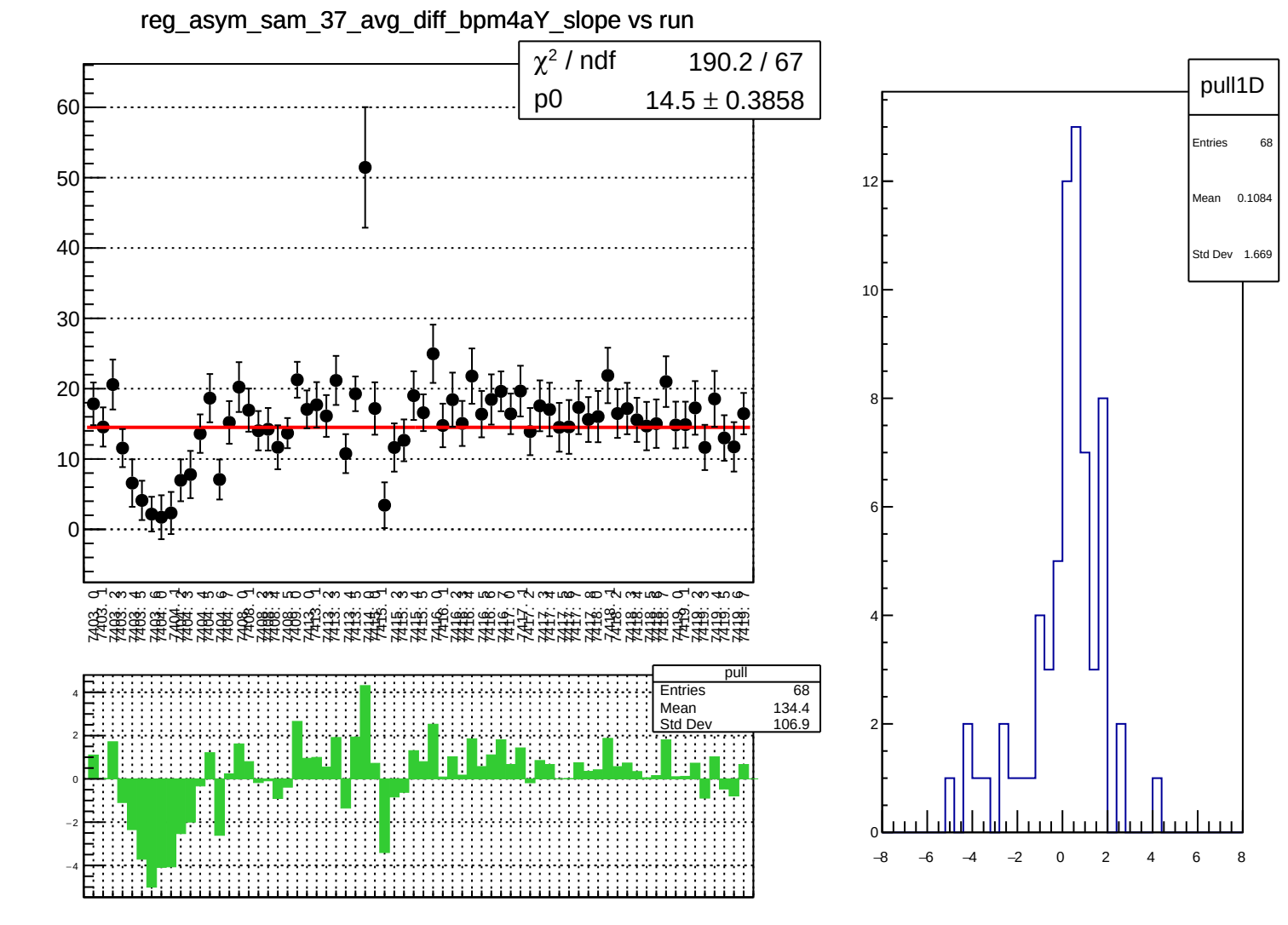

pull1D
Entries 68
Mean 0.003368
Std Dev 0.5692

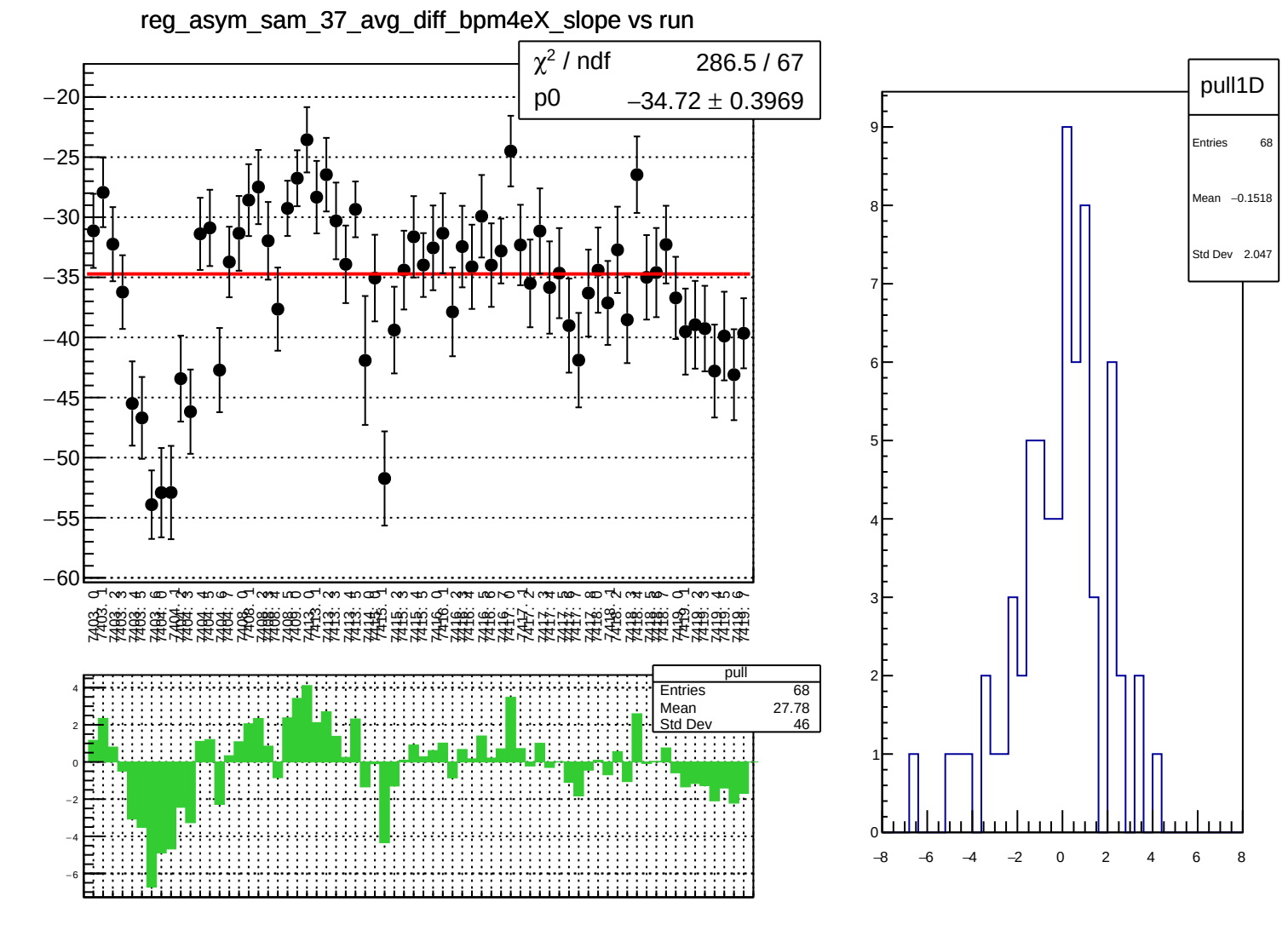

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 17.04 / 67
p0 0.2654 ± 0.02528
pull
Entries 68
Mean −2.479e+04
Std Dev 2.482e+04

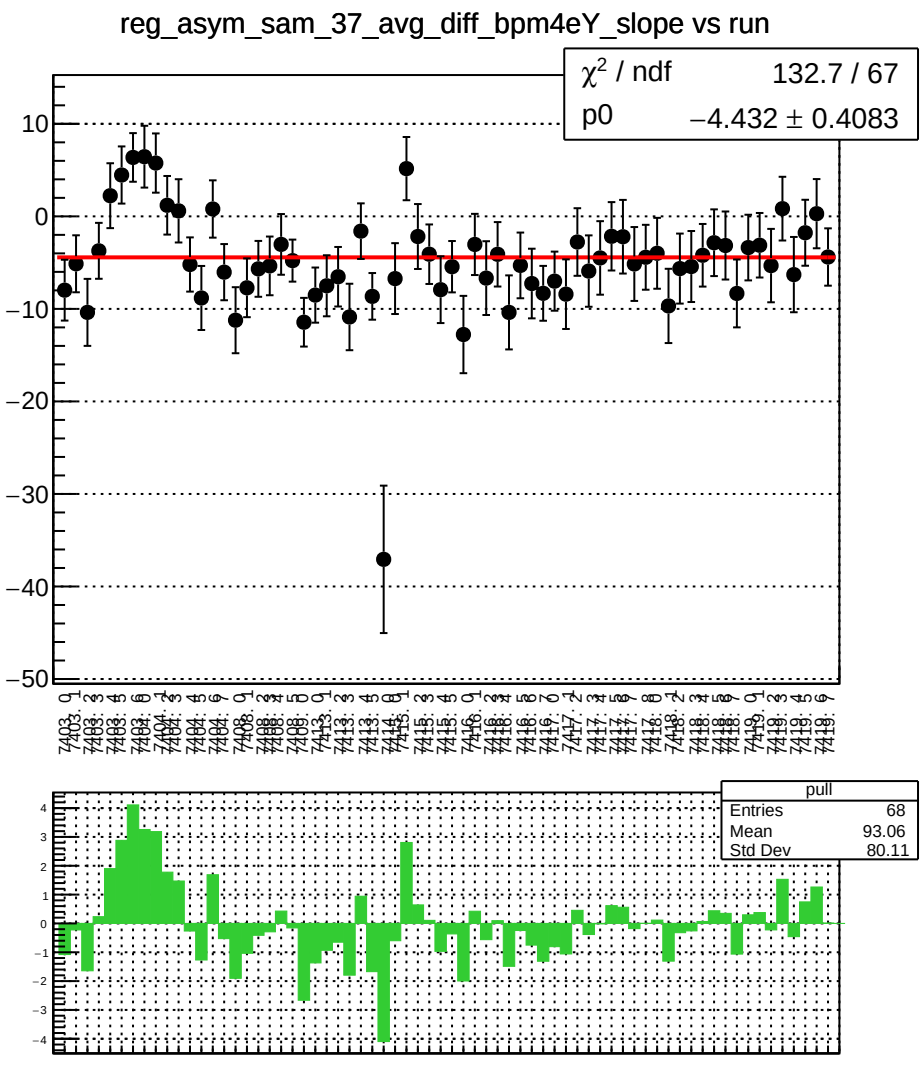

pull1D
Entries 68
Mean 0.0002227
Std Dev 0.5005

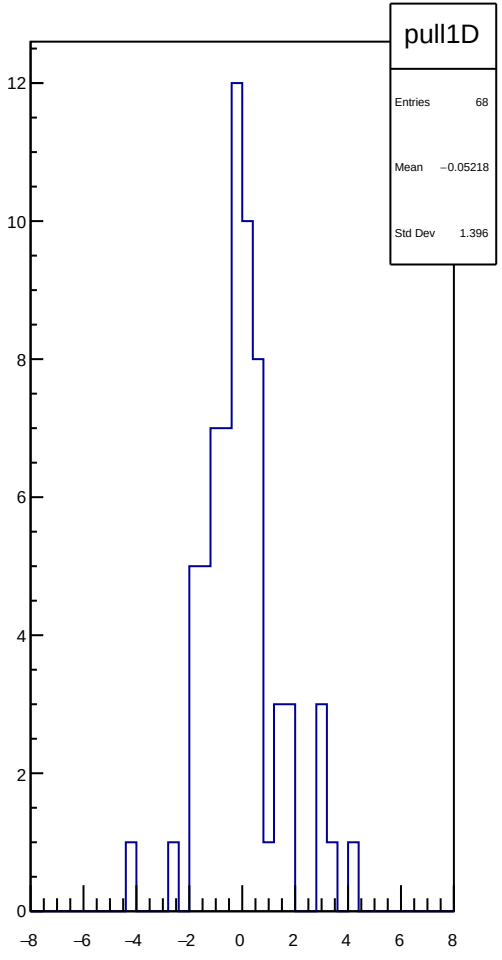

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 520.4 / 67
p0 −23.65 ± 0.3819
pull
Entries 68
Mean −346.2
Std Dev 374.2

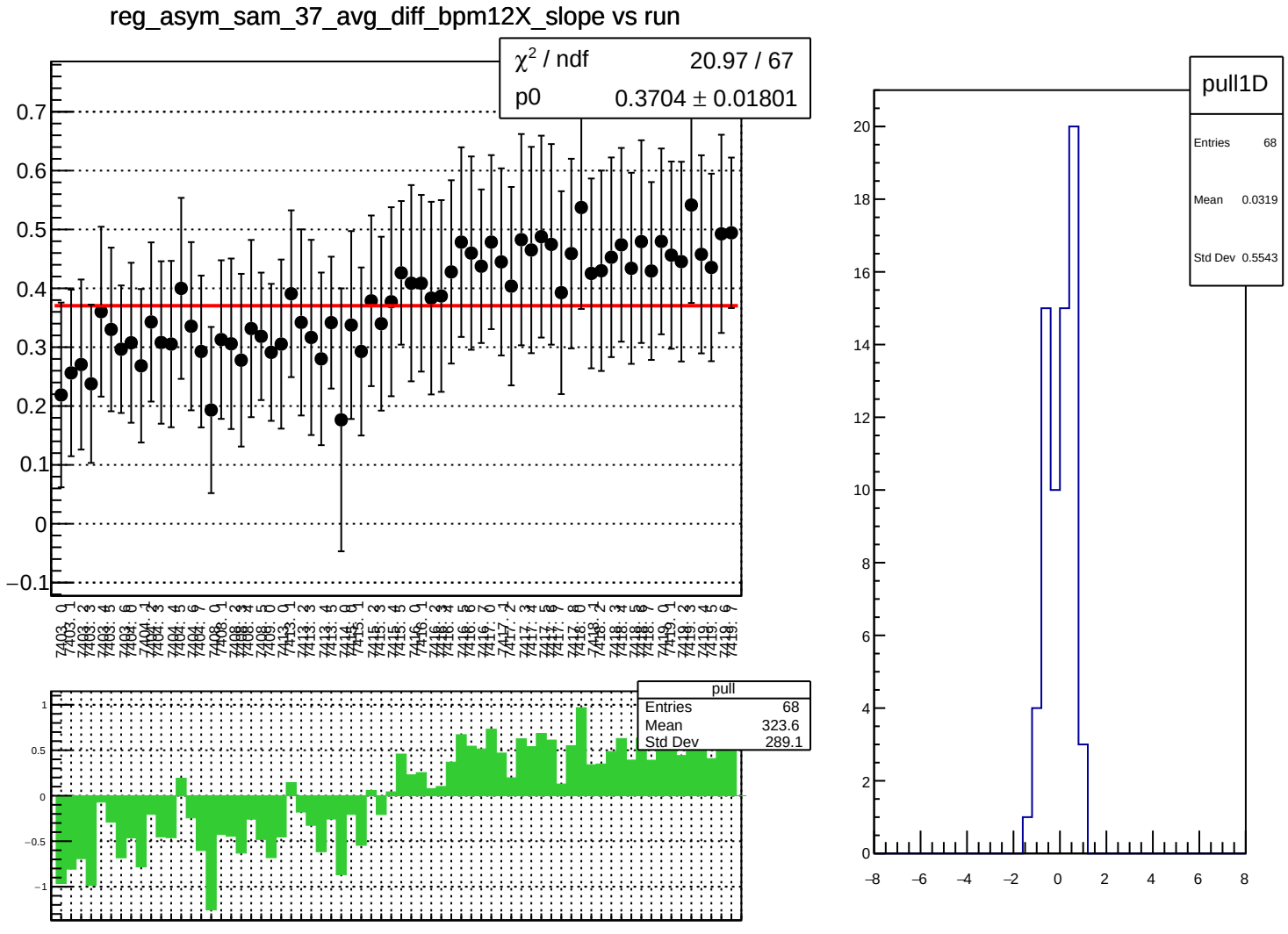

pull1D
Entries 68
Mean −0.07245
Std Dev 2.513

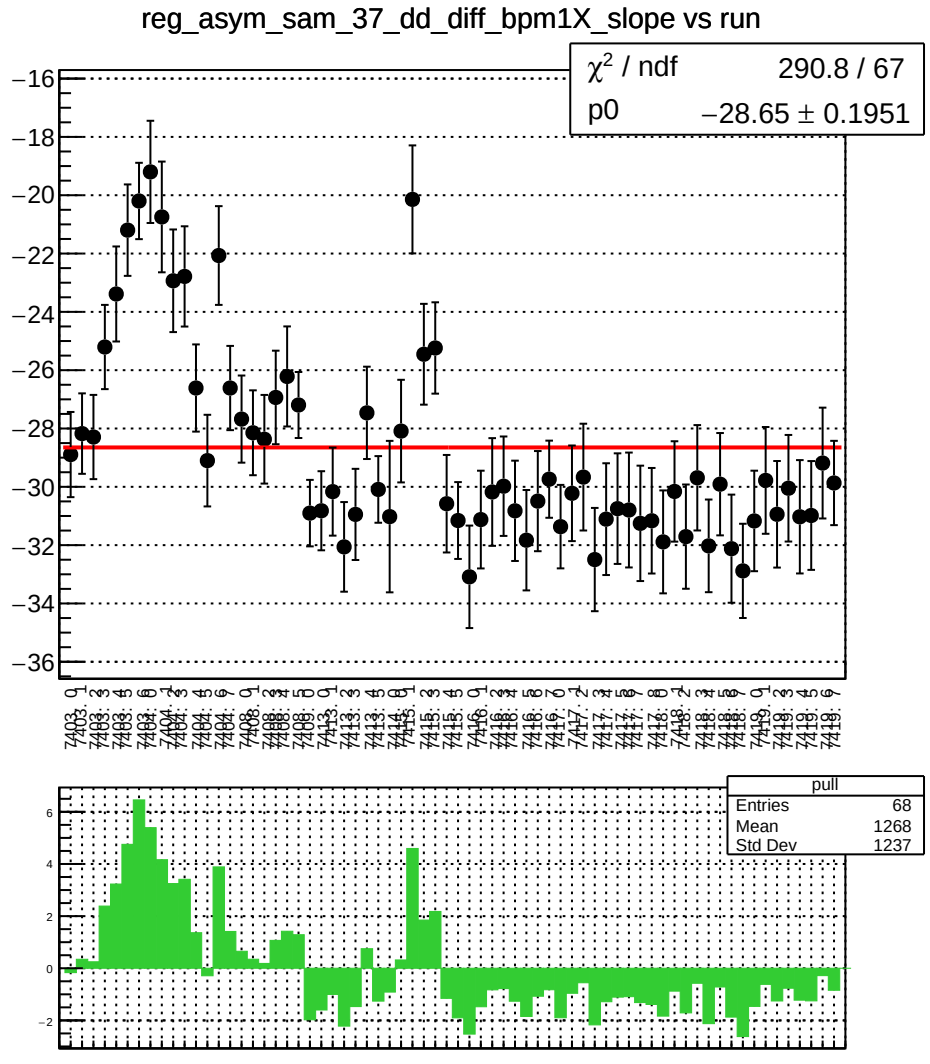

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 190.2 / 67
p0 14.5 ± 0.3858
pull
Entries 68
Mean 134.4
Std Dev 106.9
pull1D
Entries 68
Mean 0.1084
Std Dev 1.669

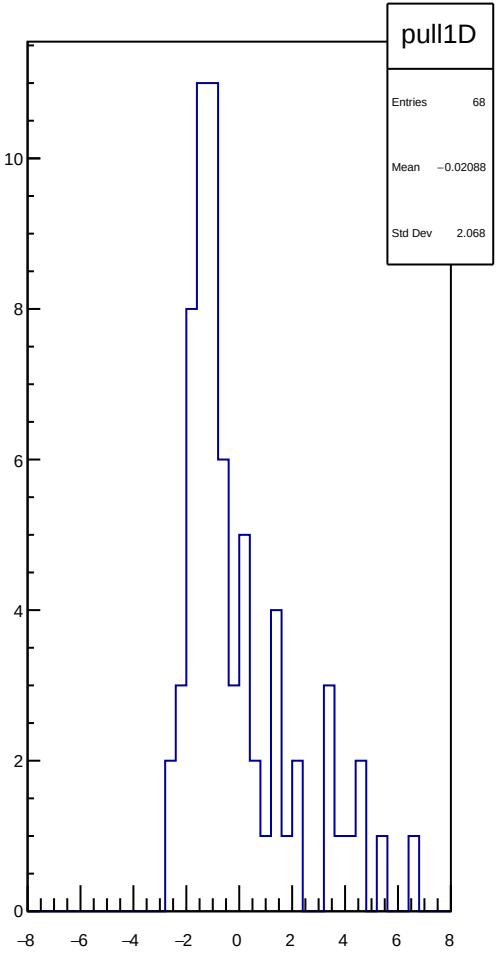

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 286.5 / 67
p0 −34.72 ± 0.3969
pull
Entries 68
Mean 27.78
Std Dev 46
pull1D
Entries 68
Mean −0.1518
Std Dev 2.047

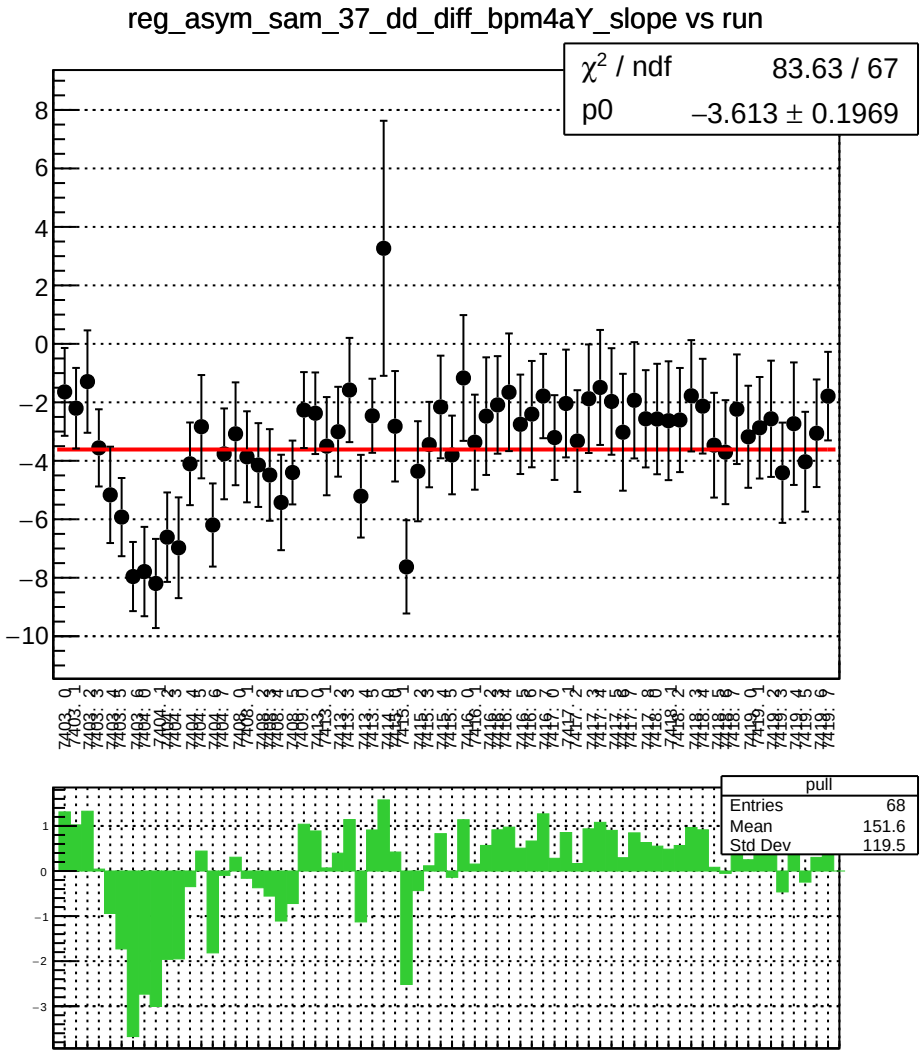

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 132.7 / 67
p0 −4.432 ± 0.4083
pull
Entries 68
Mean 93.06
Std Dev 80.11

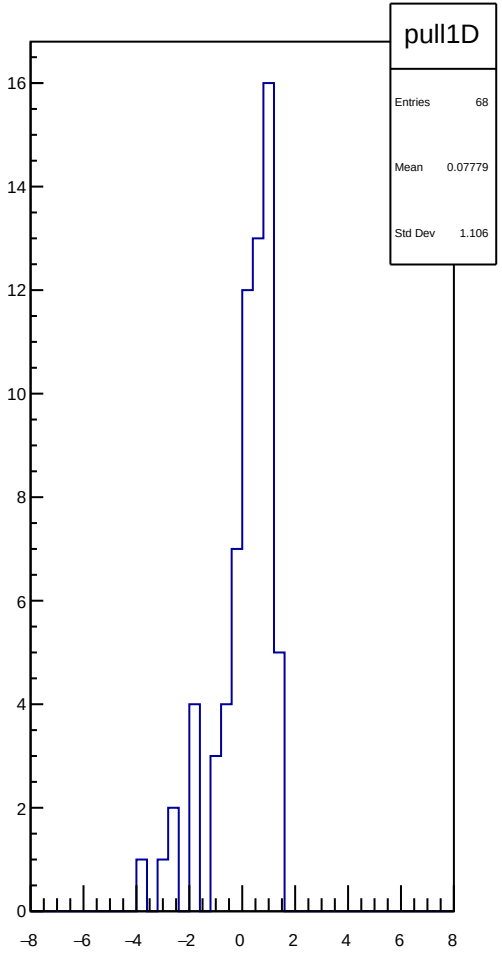

pull1D
Entries 68
Mean −0.05218
Std Dev 1.396

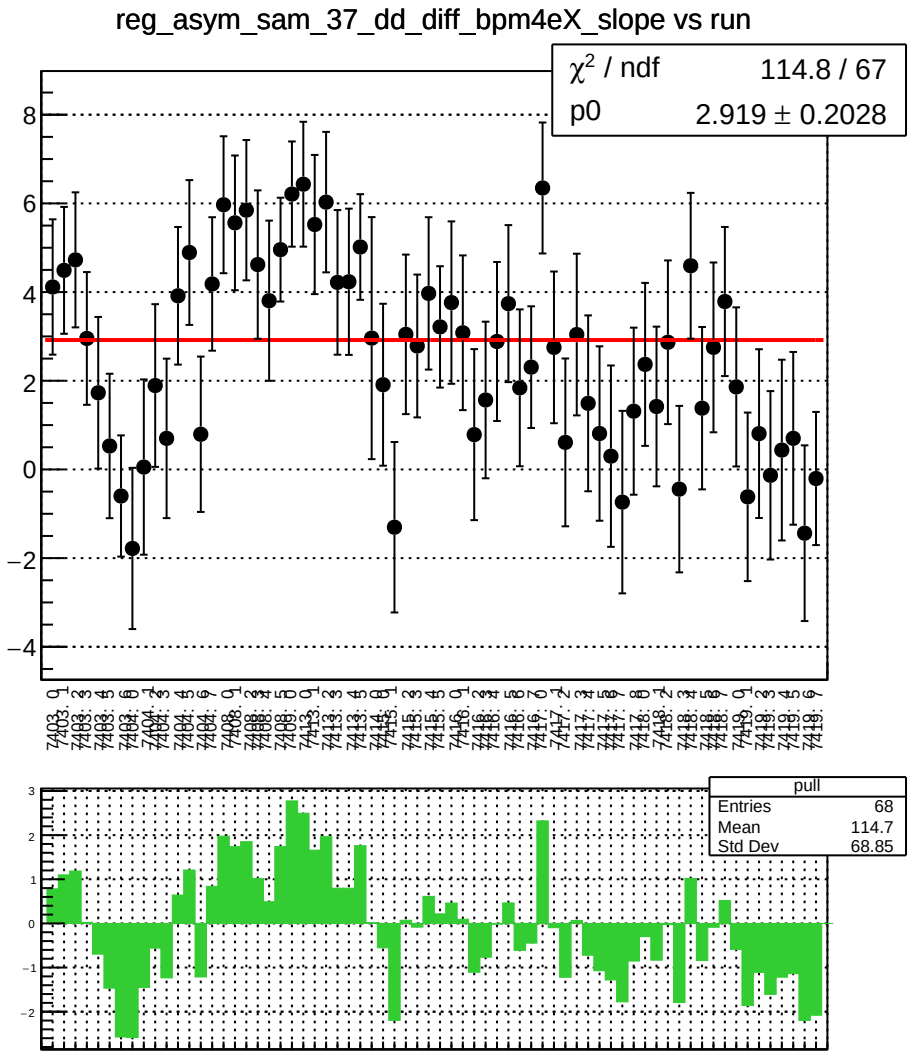

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 20.97 / 67
p0 0.3704 ± 0.01801
pull
Entries 68
Mean 323.6
Std Dev 289.1
pull1D
Entries 68
Mean 0.0319
Std Dev 0.5543

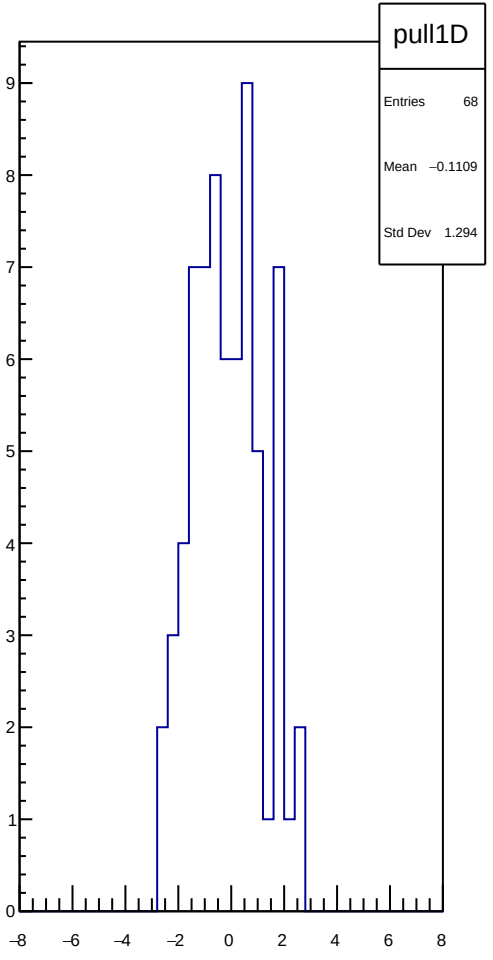

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 290.8 / 67
p0 −28.65 ± 0.1951
pull
Entries 68
Mean 1268
Std Dev 1237

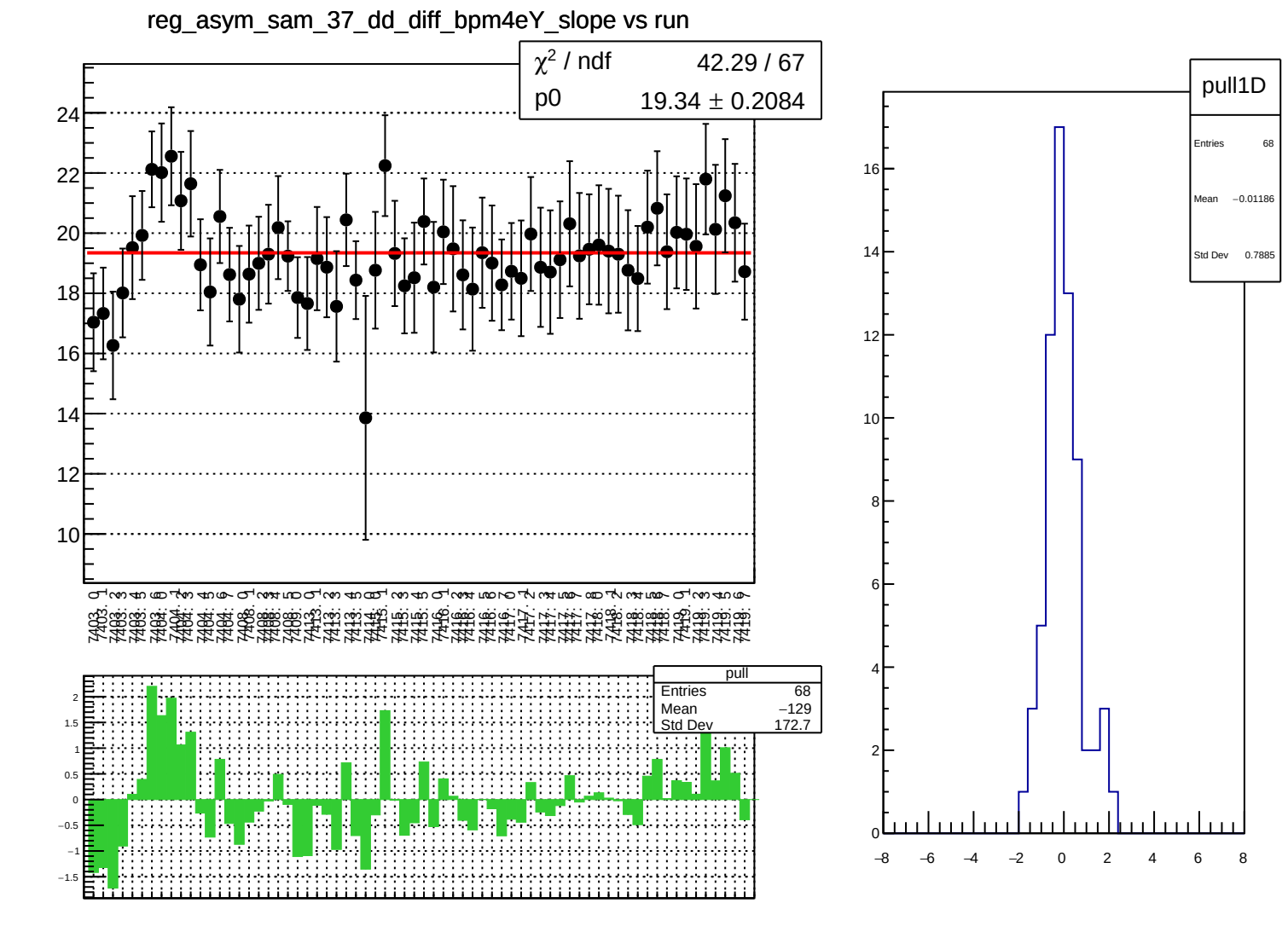

pull1D
Entries 68
Mean −0.02088
Std Dev 2.068

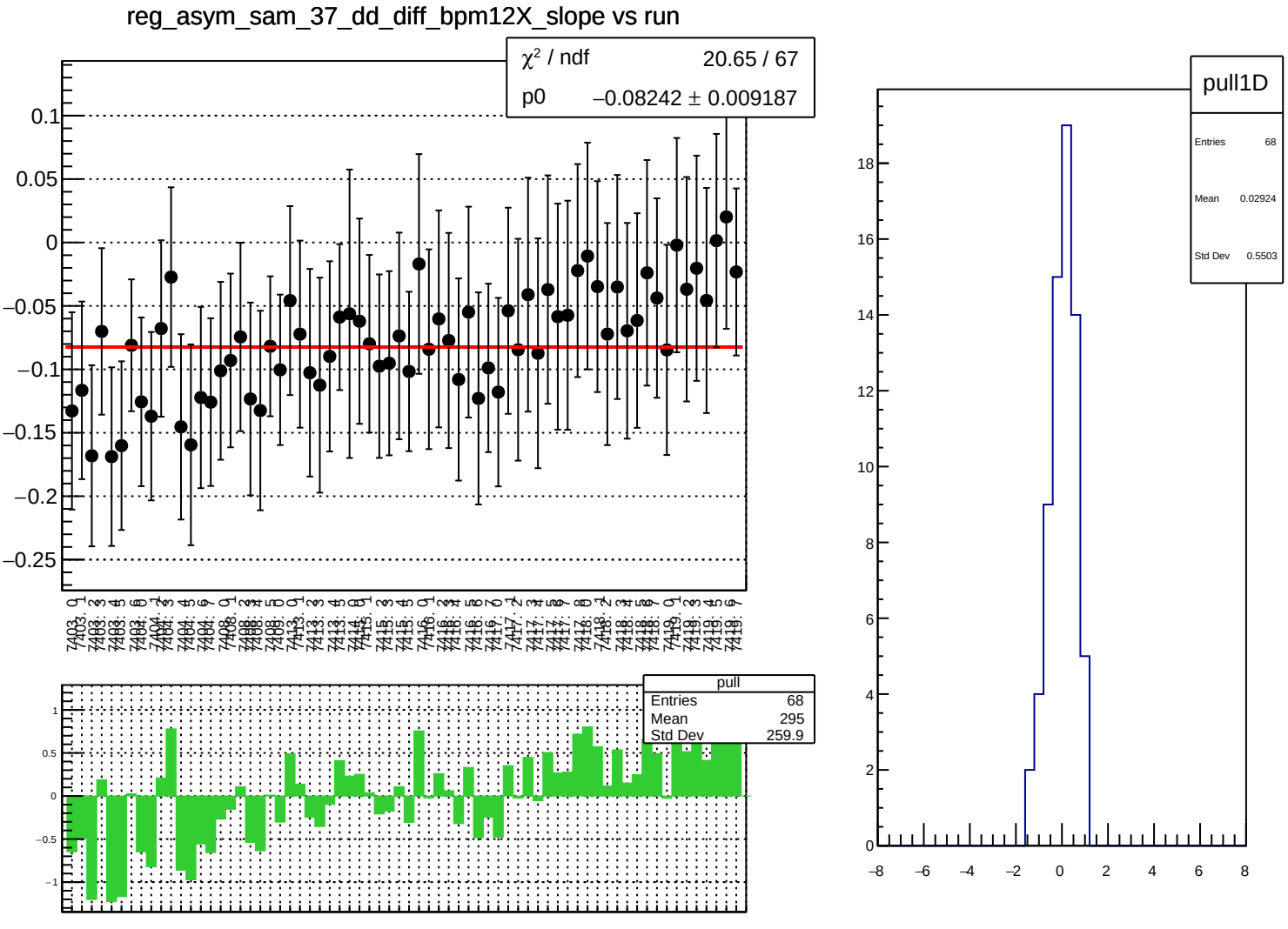

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 83.63 / 67
p0 −3.613 ± 0.1969
pull
Entries 68
Mean 151.6
Std Dev 119.5

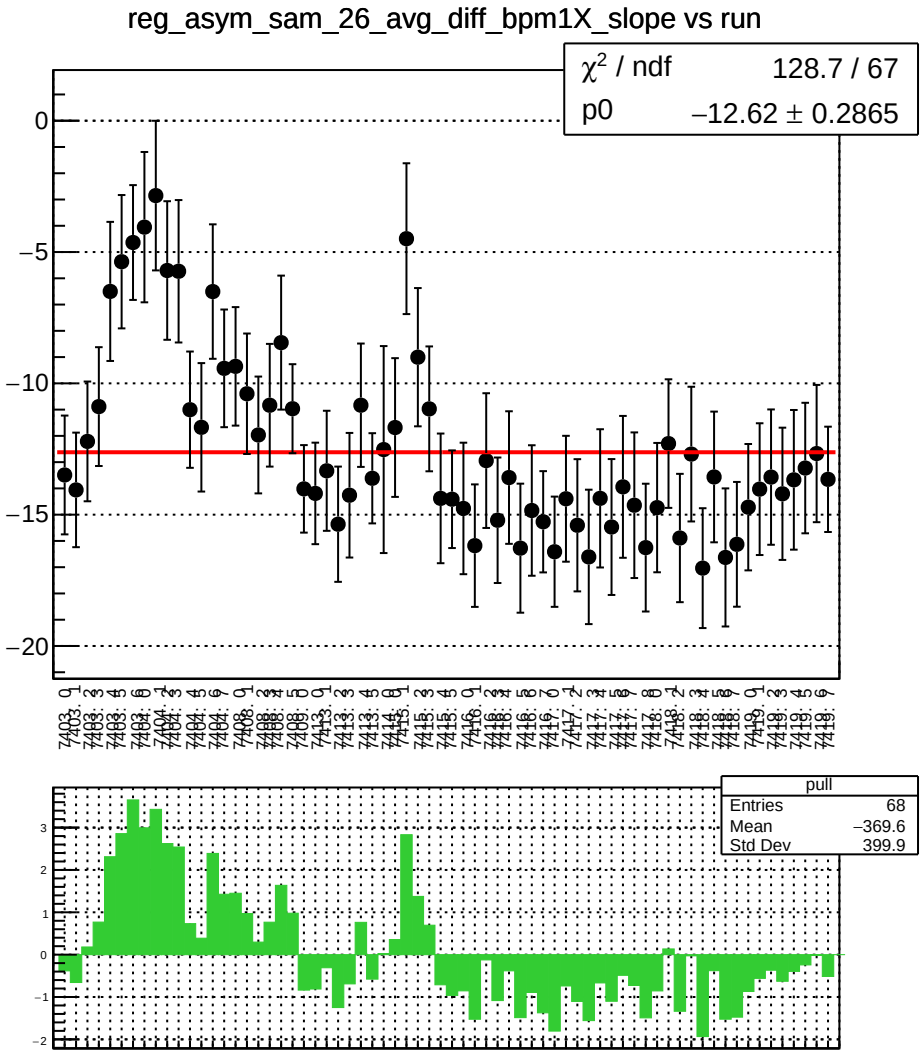

pull1D
Entries 68
Mean 0.07779
Std Dev 1.106

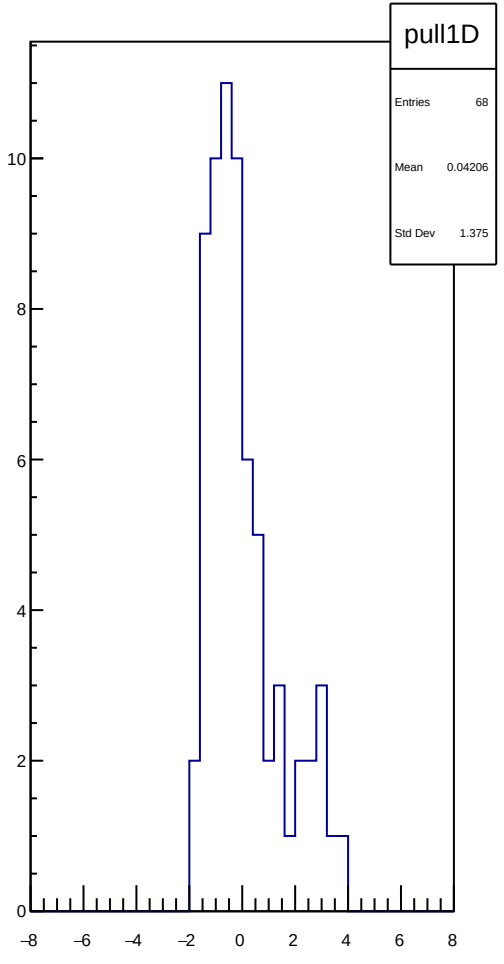

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 114.8 / 67
p0 2.919 ± 0.2028
pull
Entries 68
Mean 114.7
Std Dev 68.85

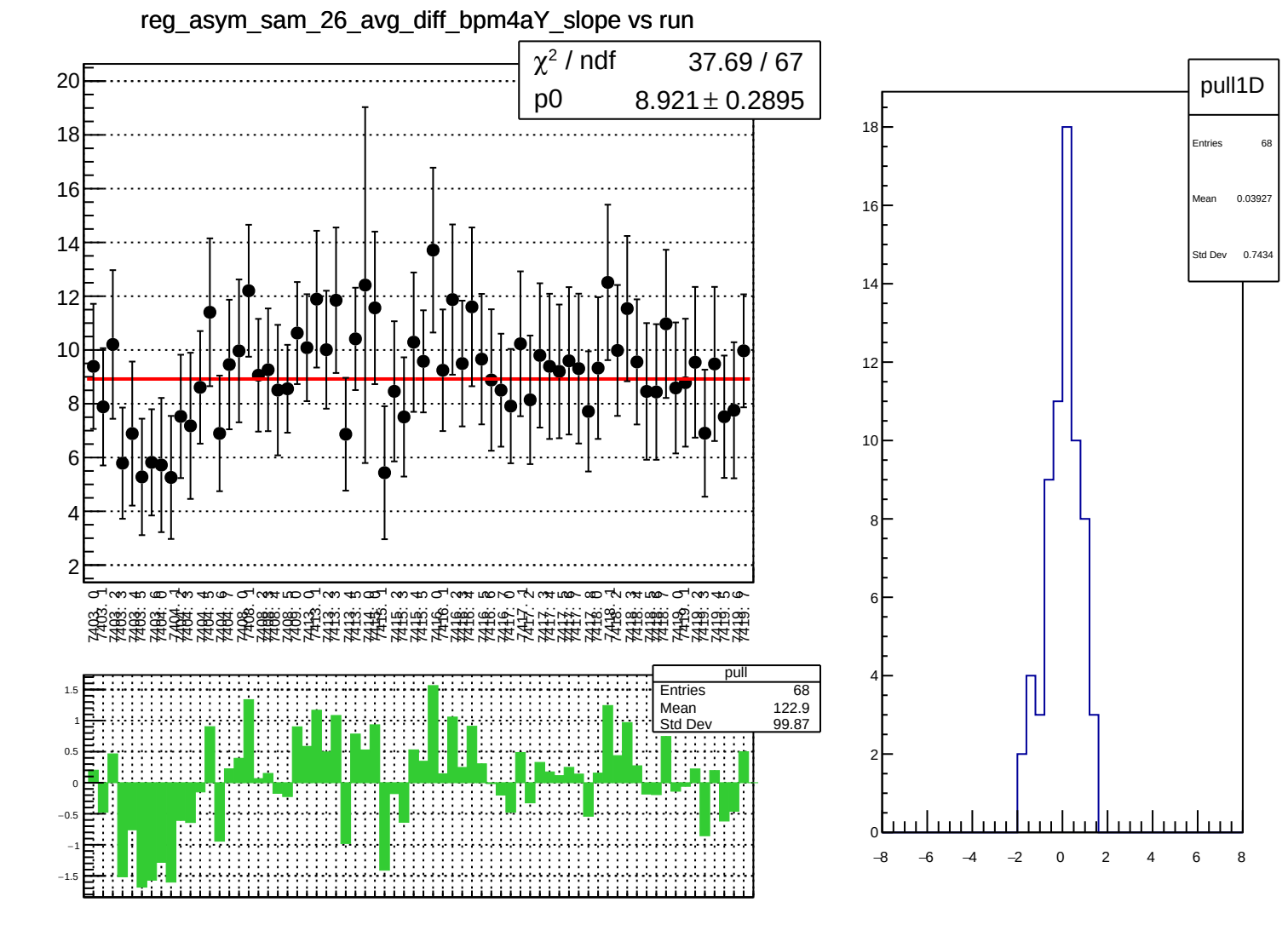

pull1D
Entries 68
Mean −0.1109
Std Dev 1.294

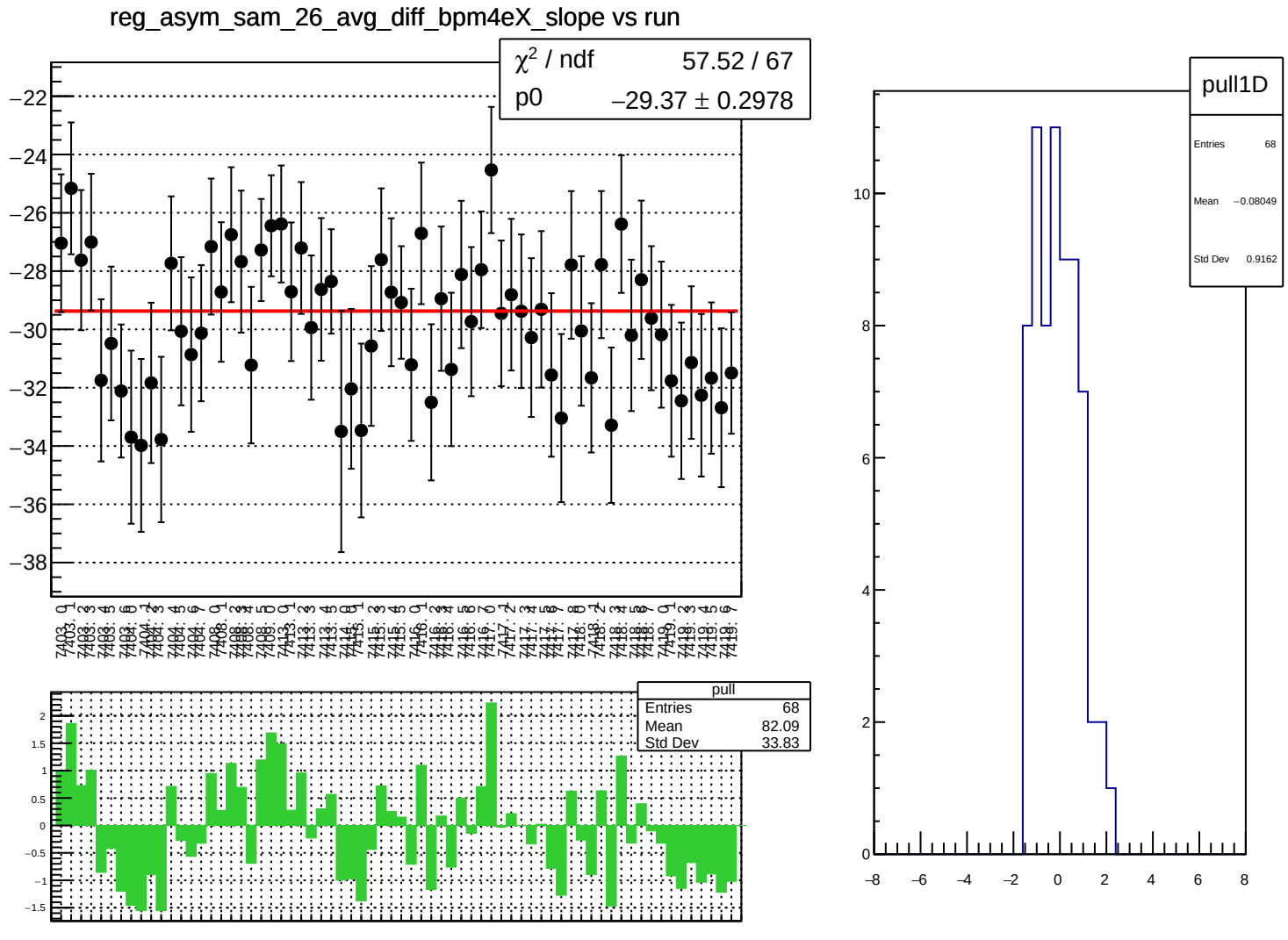

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.29 / 67
p0 19.34 ± 0.2084
pull
Entries 68
Mean −129
Std Dev 172.7
pull1D
Entries 68
Mean −0.01186
Std Dev 0.7885

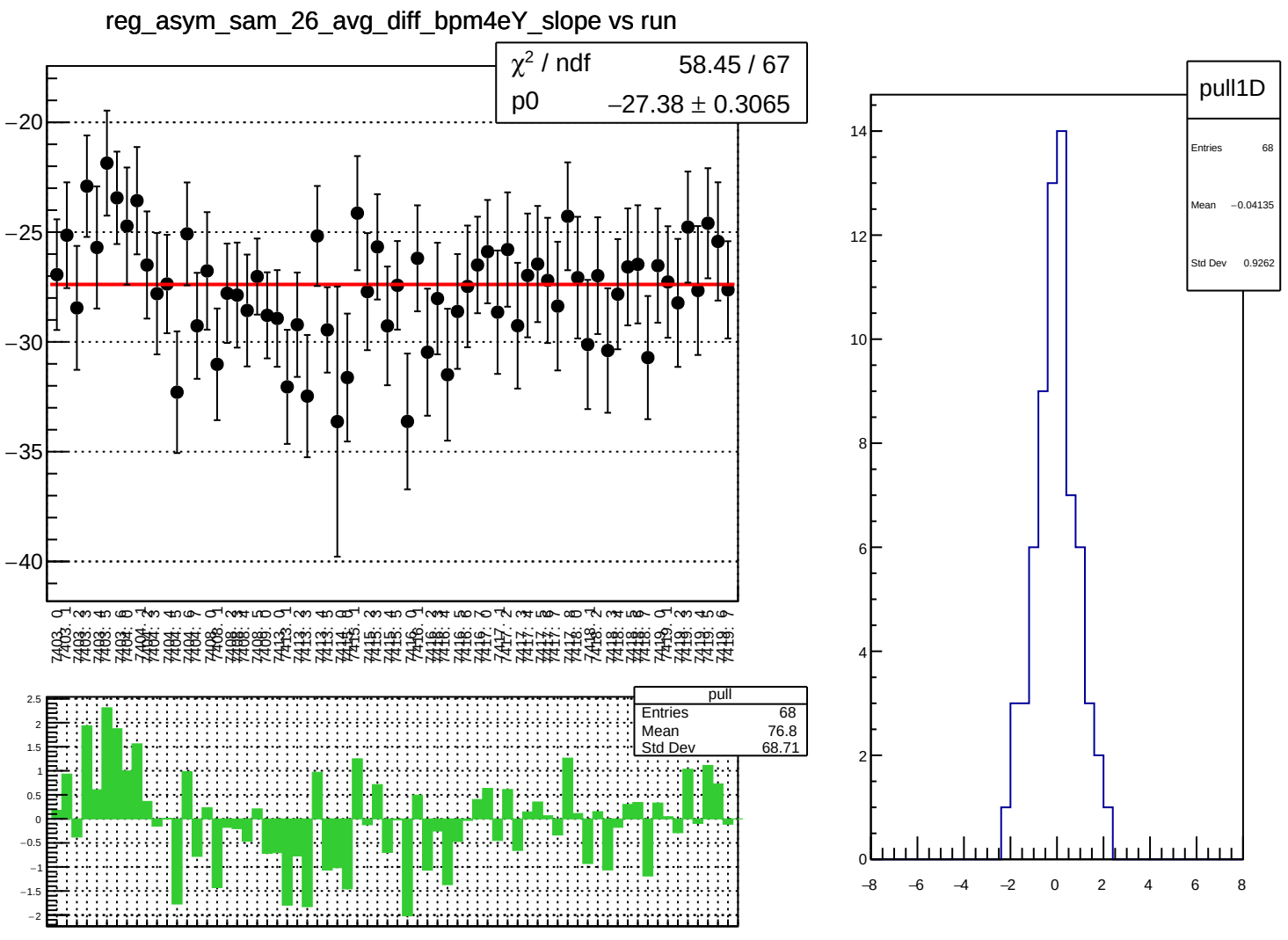

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 20.65 / 67
p0 −0.08242 ± 0.009187
pull
Entries 68
Mean 295
Std Dev 259.9
pull1D
Entries 68
Mean 0.02924
Std Dev 0.5503

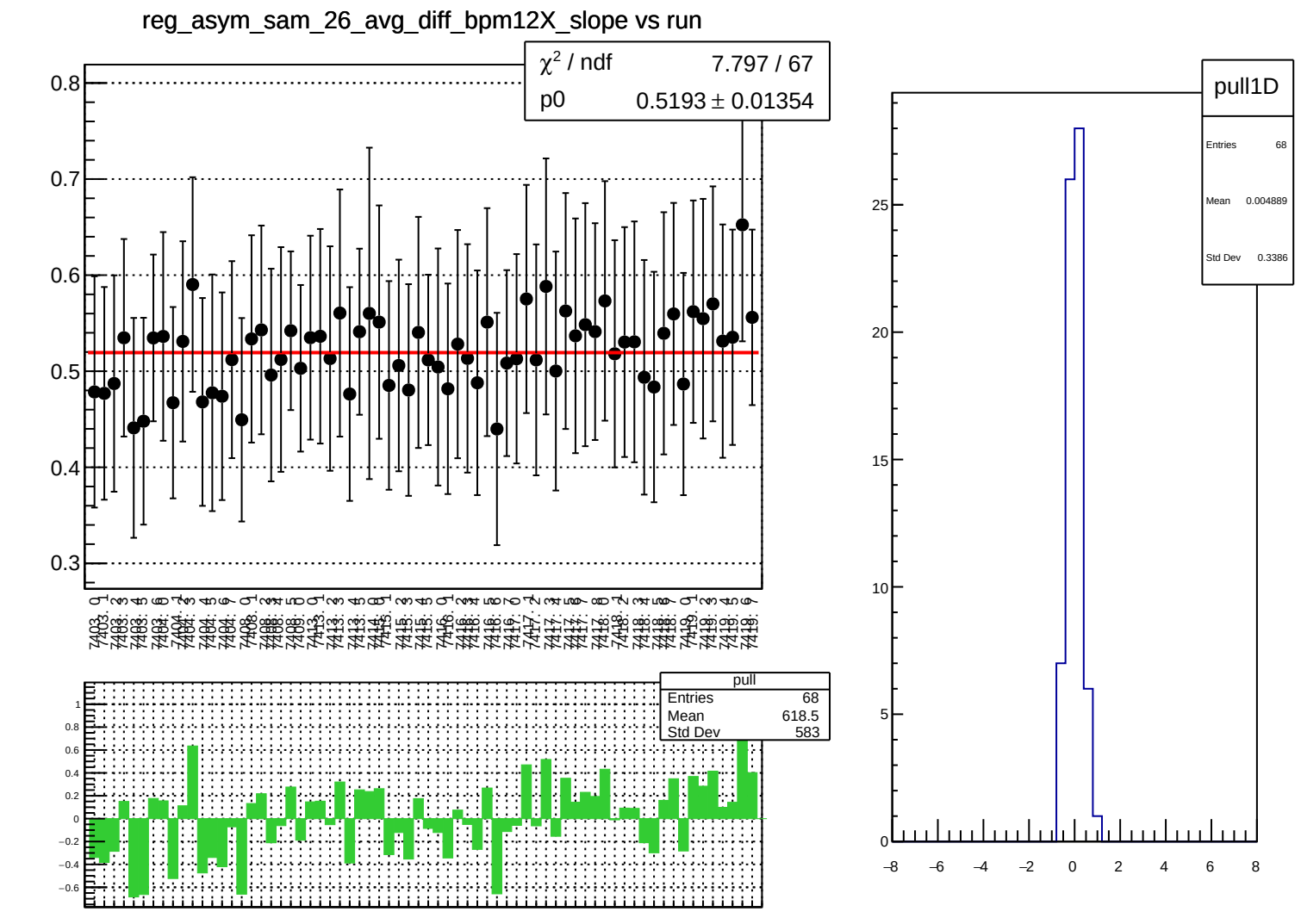

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 128.7 / 67
p0 −12.62 ± 0.2865
pull
Entries 68
Mean −369.6
Std Dev 399.9

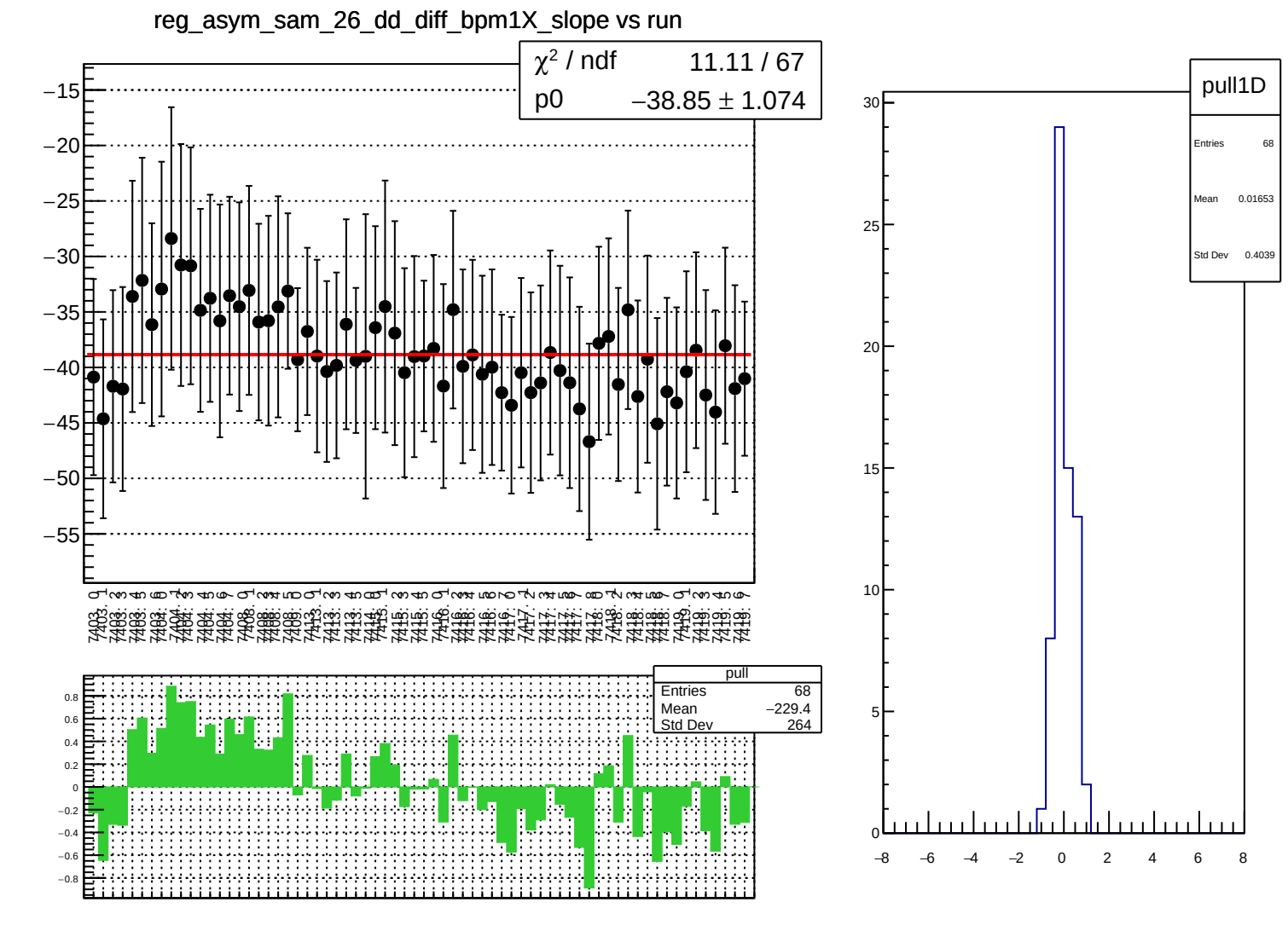

pull1D
Entries 68
Mean 0.04206
Std Dev 1.375

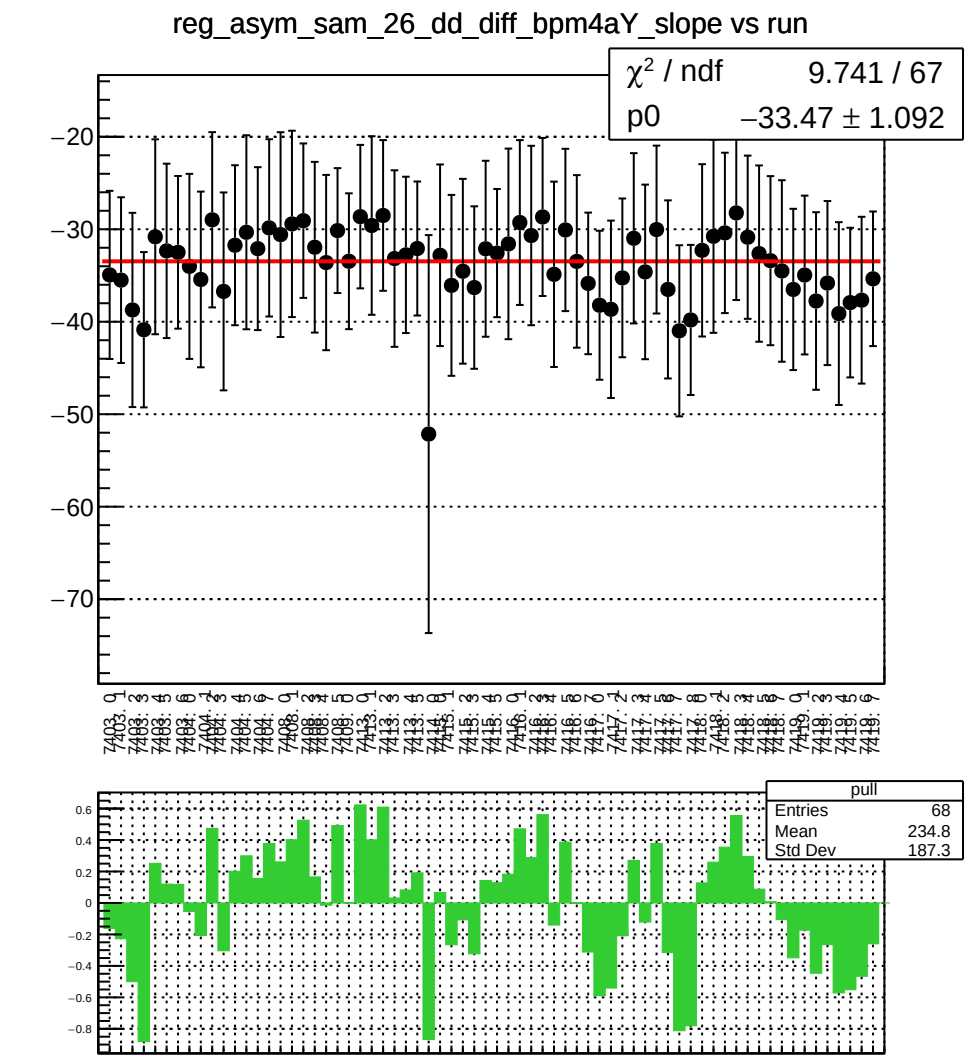

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.69 / 67
p0 8.921 ± 0.2895
pull
Entries 68
Mean 122.9
Std Dev 99.87
pull1D
Entries 68
Mean 0.03927
Std Dev 0.7434

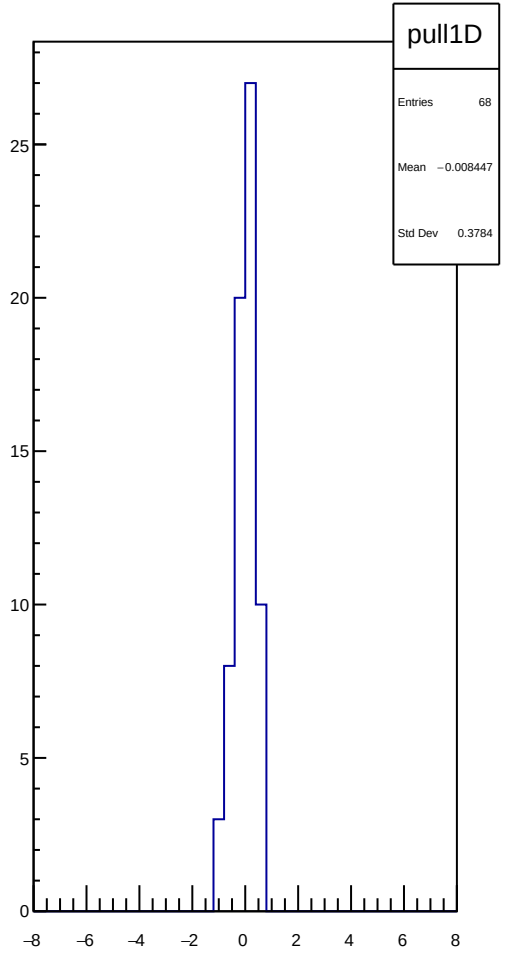

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.52 / 67
p0 −29.37 ± 0.2978
pull
Entries 68
Mean 82.09
Std Dev 33.83
pull1D
Entries 68
Mean −0.08049
Std Dev 0.9162

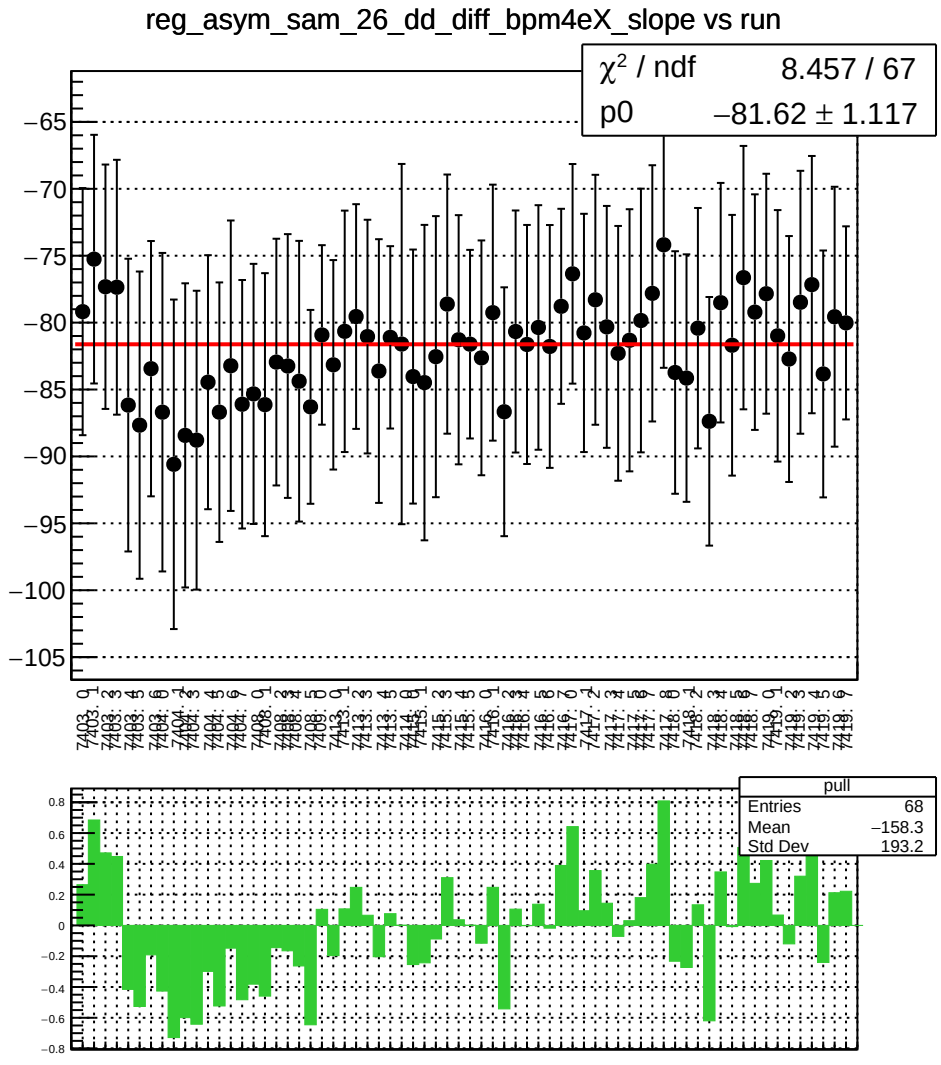

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.45 / 67
p0 −27.38 ± 0.3065
pull
Entries 68
Mean 76.8
Std Dev 68.71
pull1D
Entries 68
Mean −0.04135
Std Dev 0.9262

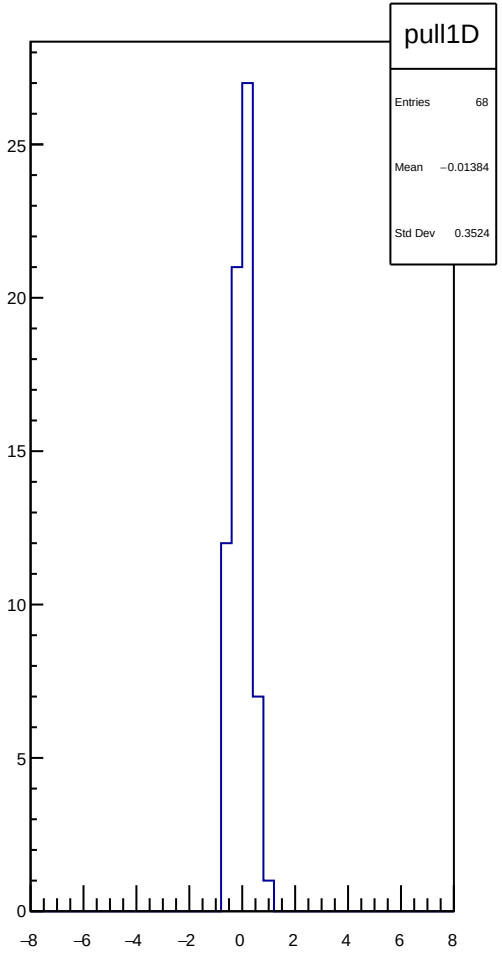

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.797 / 67
p0 0.5193 ± 0.01354
pull
Entries 68
Mean 618.5
Std Dev 583
pull1D
Entries 68
Mean 0.004889
Std Dev 0.3386

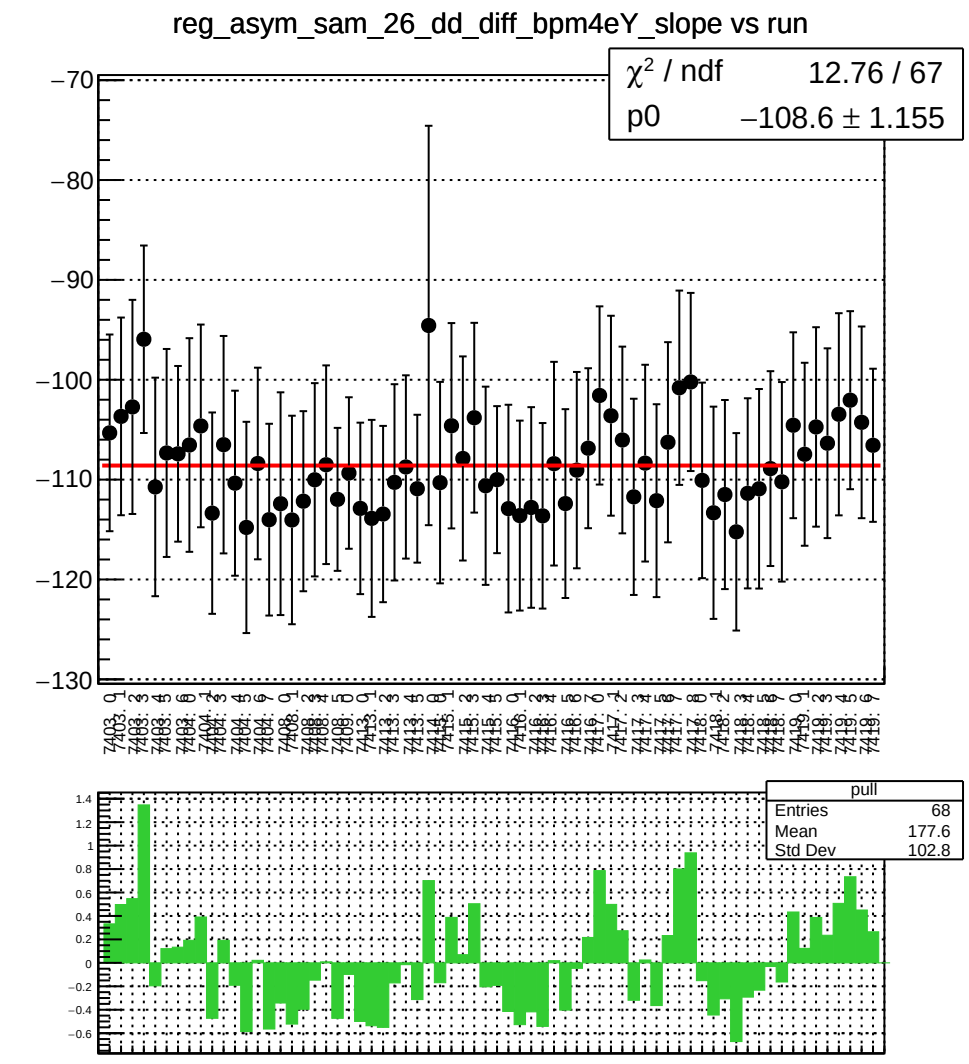

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.11 / 67
p0 −38.85 ± 1.074
pull
Entries 68
Mean −229.4
Std Dev 264
pull1D
Entries 68
Mean 0.01653
Std Dev 0.4039

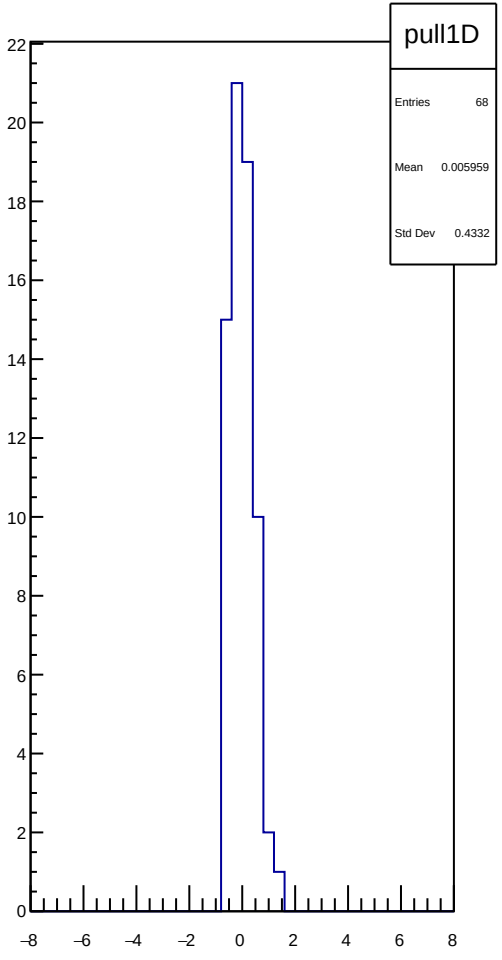

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.741 / 67
p0 −33.47 ± 1.092
−20
−30
−40
−50
−60
−70
pull
Entries 68
Mean 234.8
Std Dev 187.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

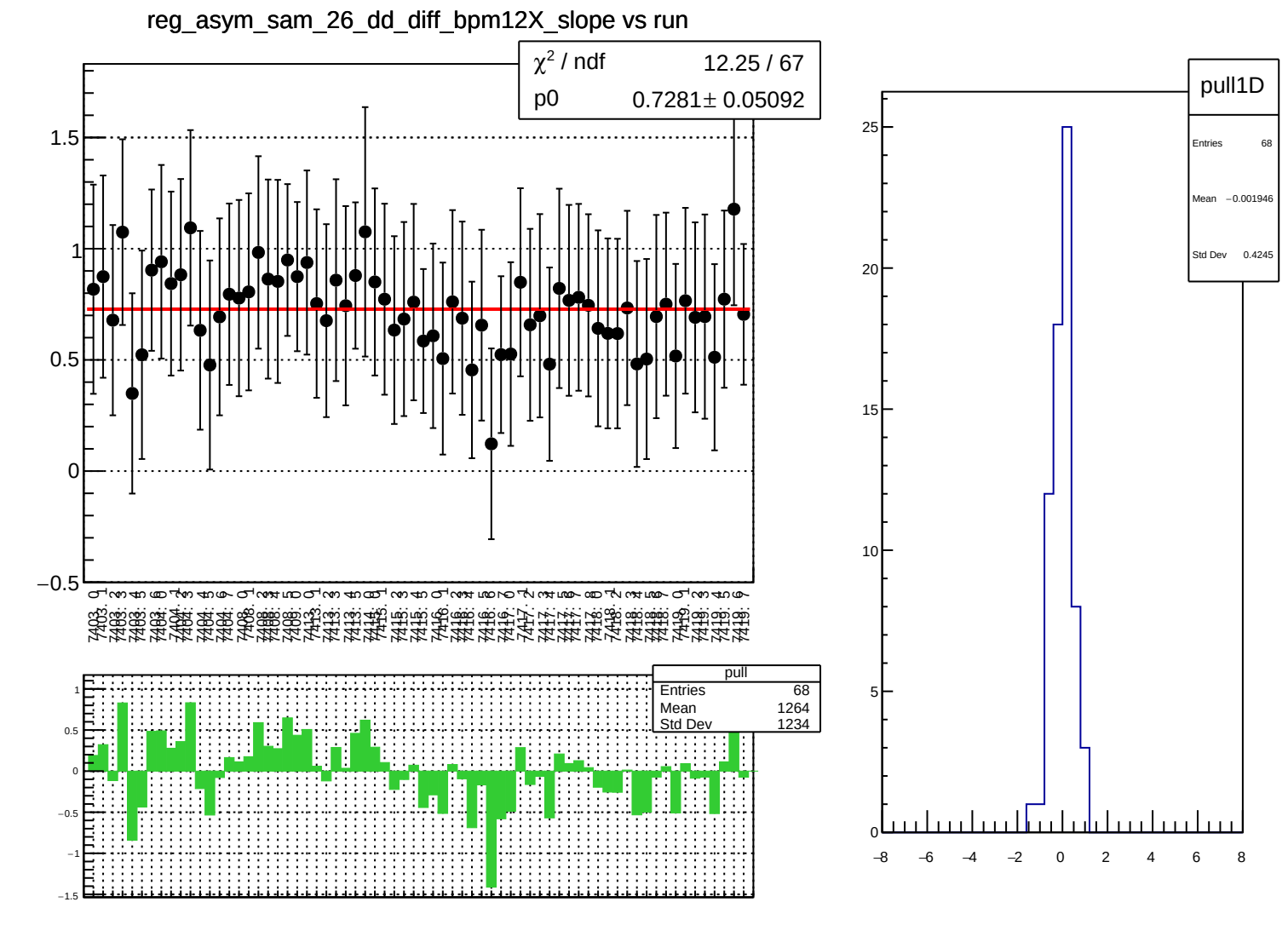

pull1D
Entries 68
Mean −0.008447
Std Dev 0.3784
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

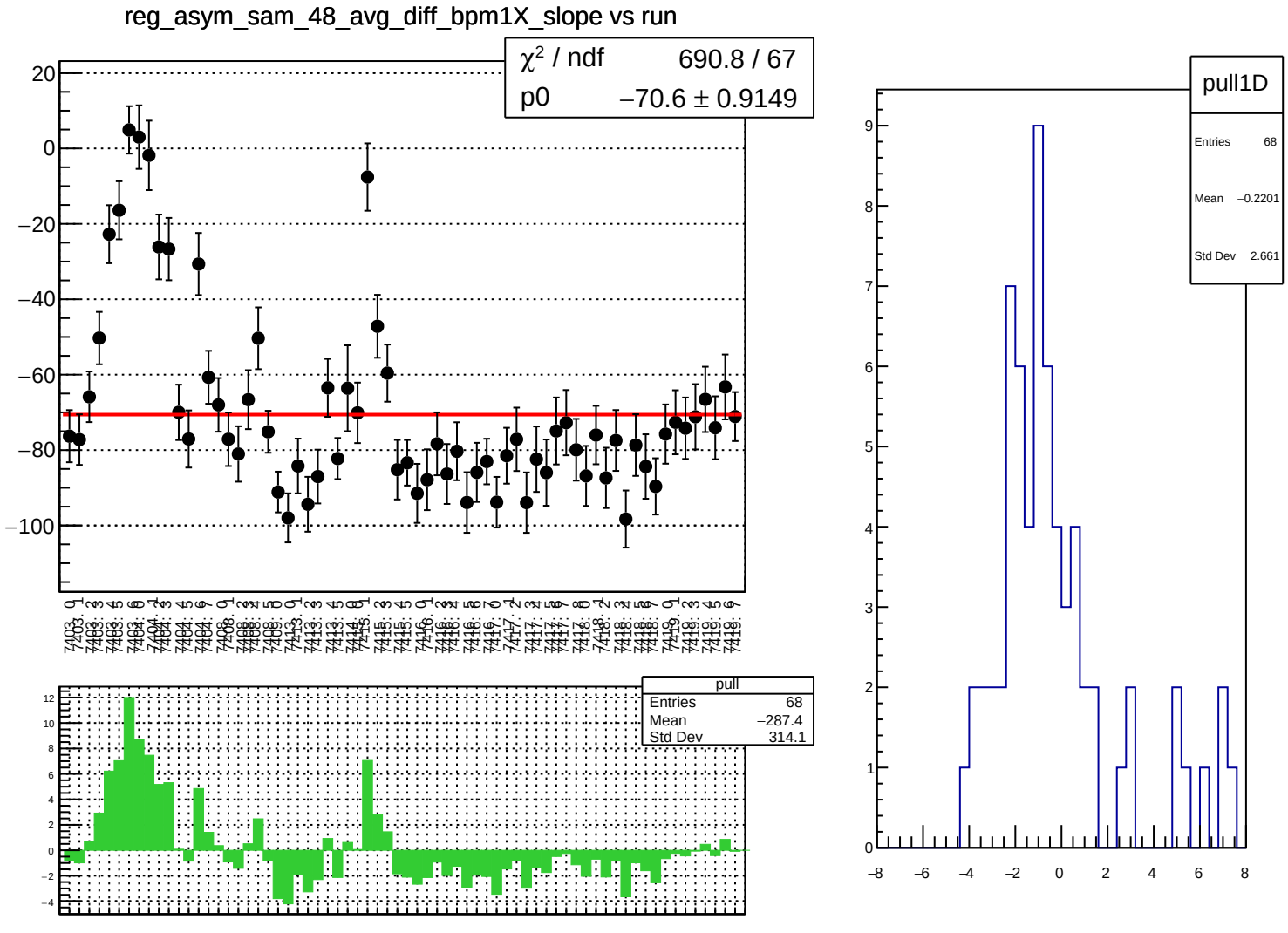

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.457 / 67
p0 −81.62 ± 1.117
pull
Entries 68
Mean −158.3
Std Dev 193.2

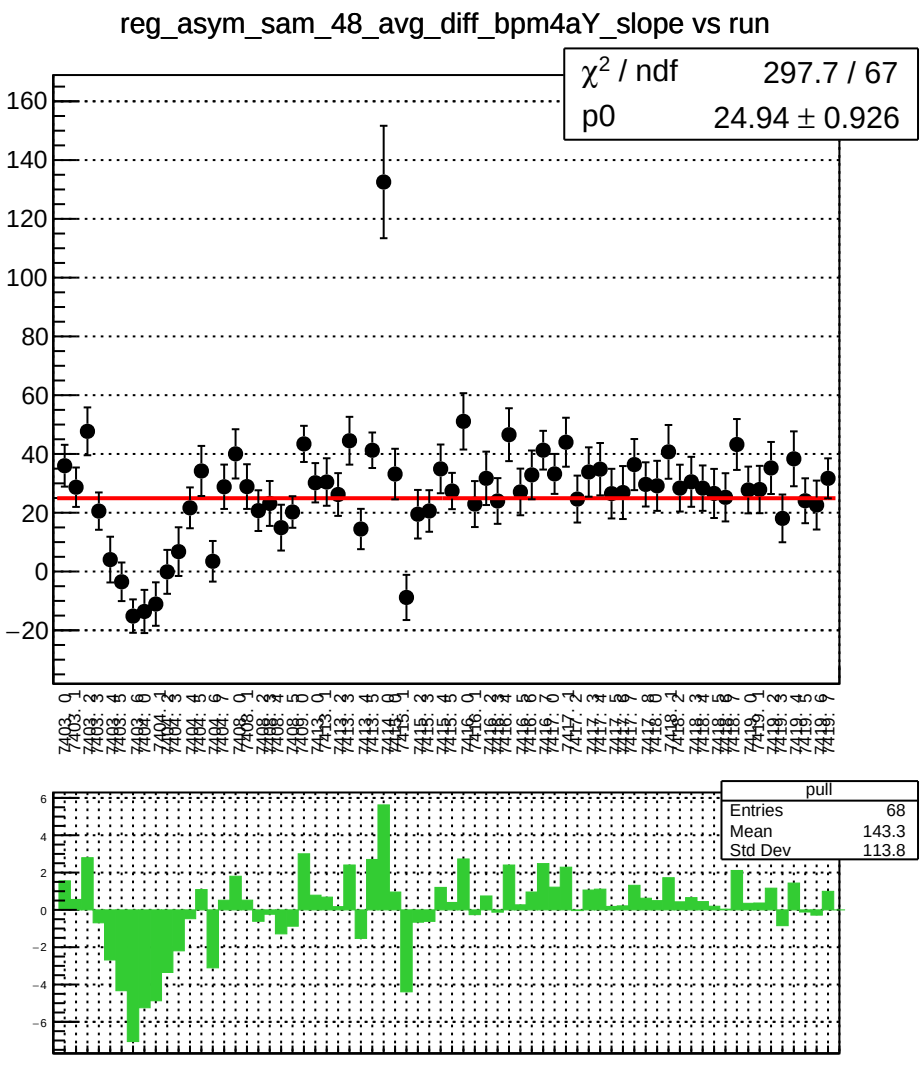

pull1D
Entries 68
Mean −0.01384
Std Dev 0.3524

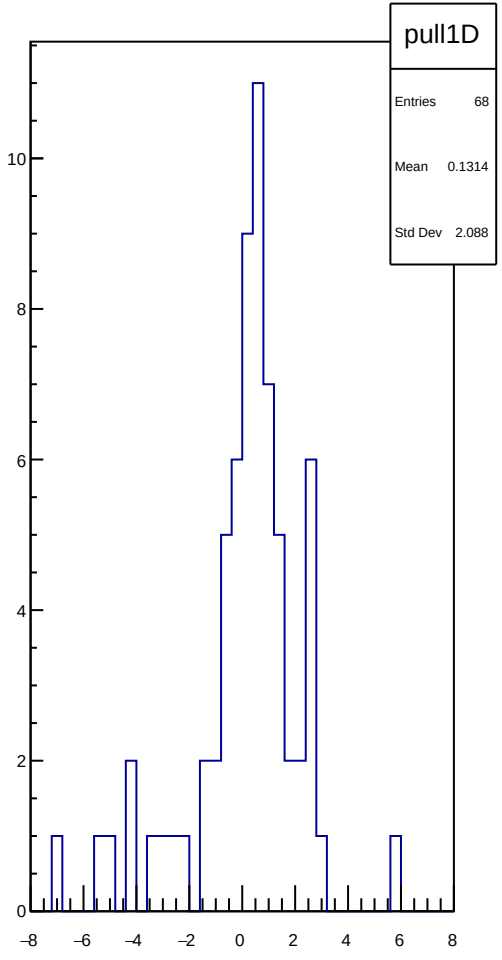

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.76 / 67
p0 −108.6 ± 1.155
pull
Entries 68
Mean 177.6
Std Dev 102.8

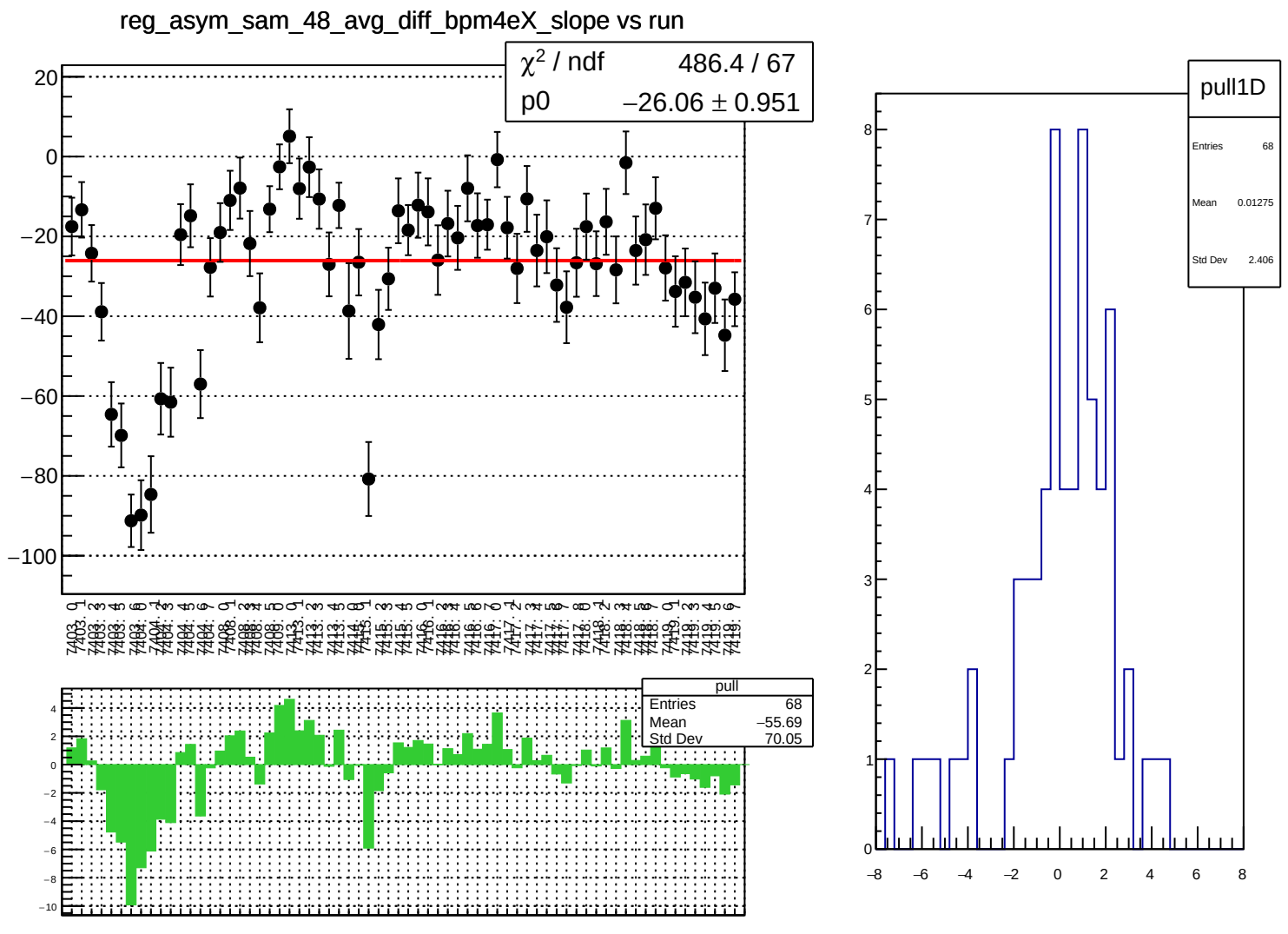

pull1D
Entries 68
Mean 0.005959
Std Dev 0.4332

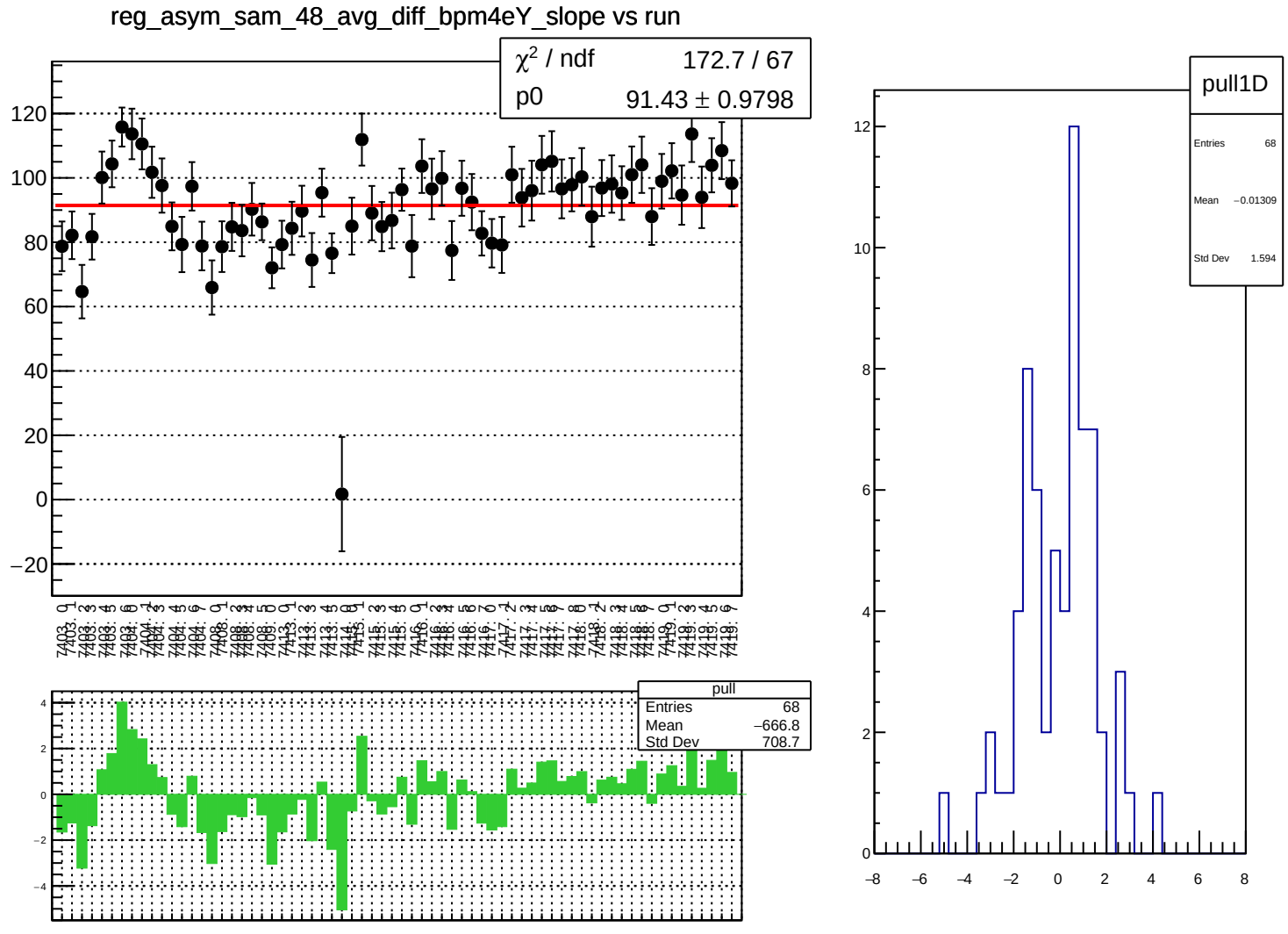

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 12.25 / 67
p0 0.7281± 0.05092
pull
Entries 68
Mean 1264
Std Dev 1234
pull1D
Entries 68
Mean −0.001946
Std Dev 0.4245

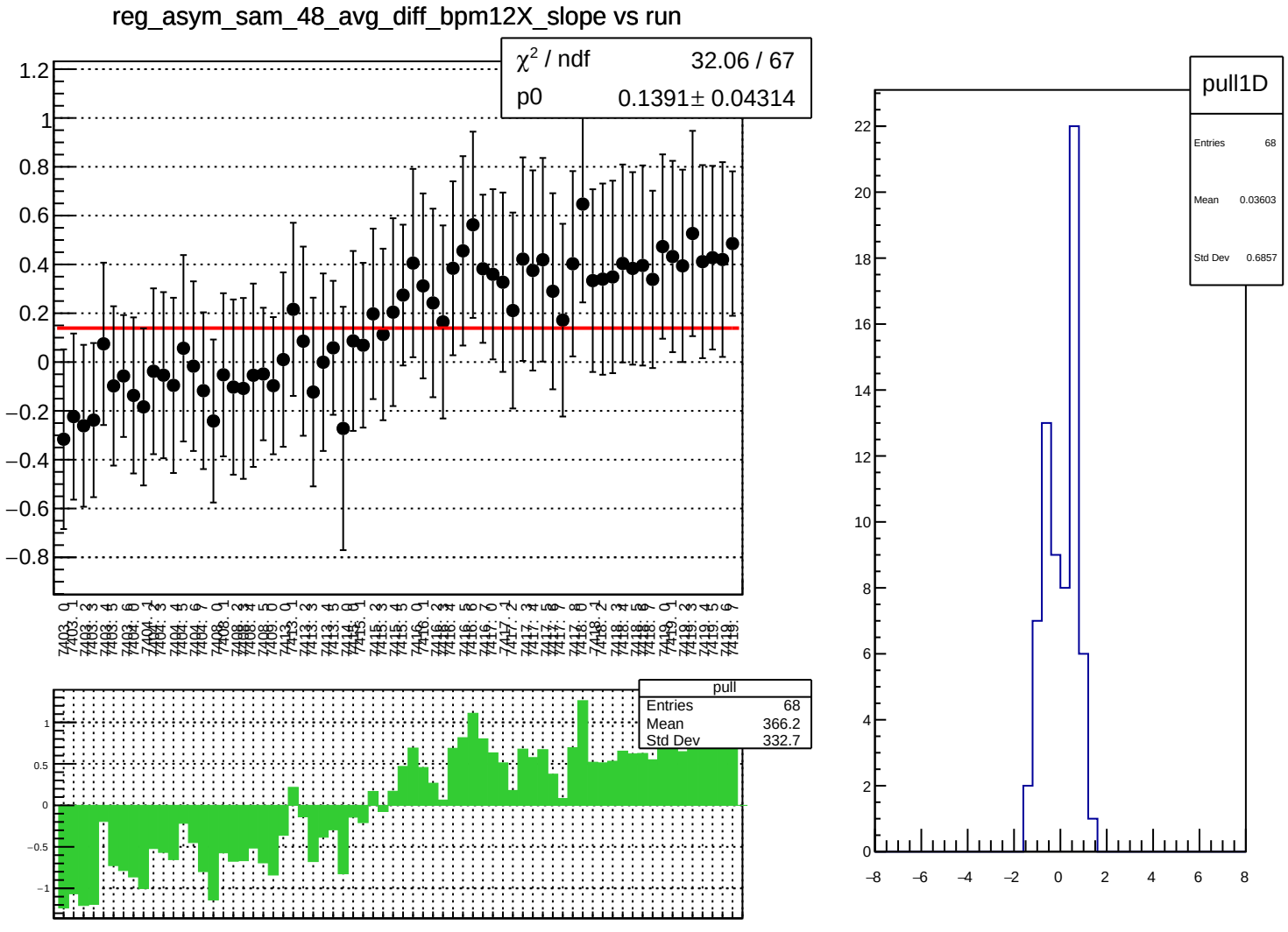

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 690.8 / 67
p0 −70.6 ± 0.9149
pull
Entries 68
Mean −287.4
Std Dev 314.1
pull1D
Entries 68
Mean −0.2201
Std Dev 2.661

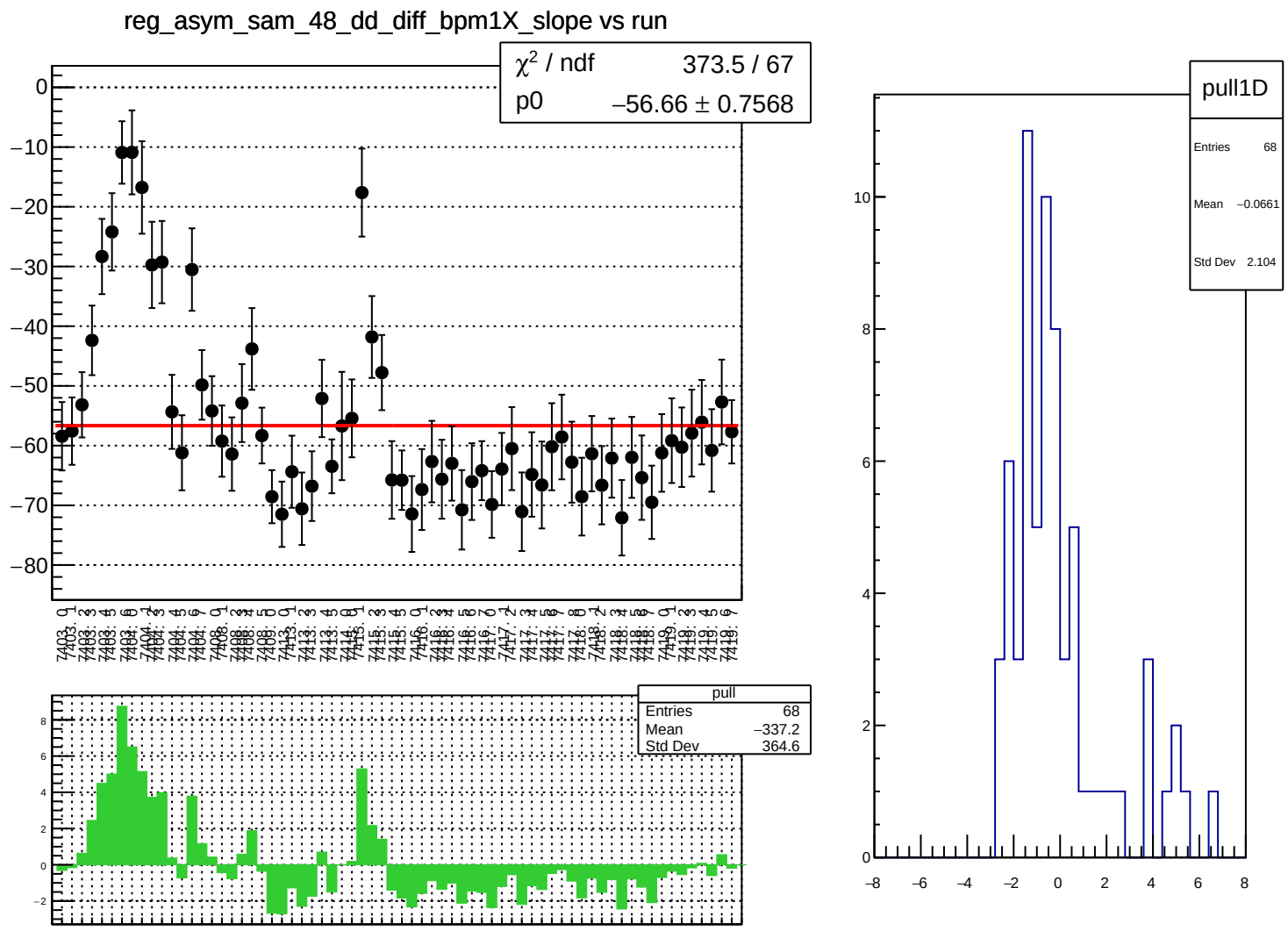

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 297.7 / 67
p0 24.94 ± 0.926
pull
Entries 68
Mean 143.3
Std Dev 113.8

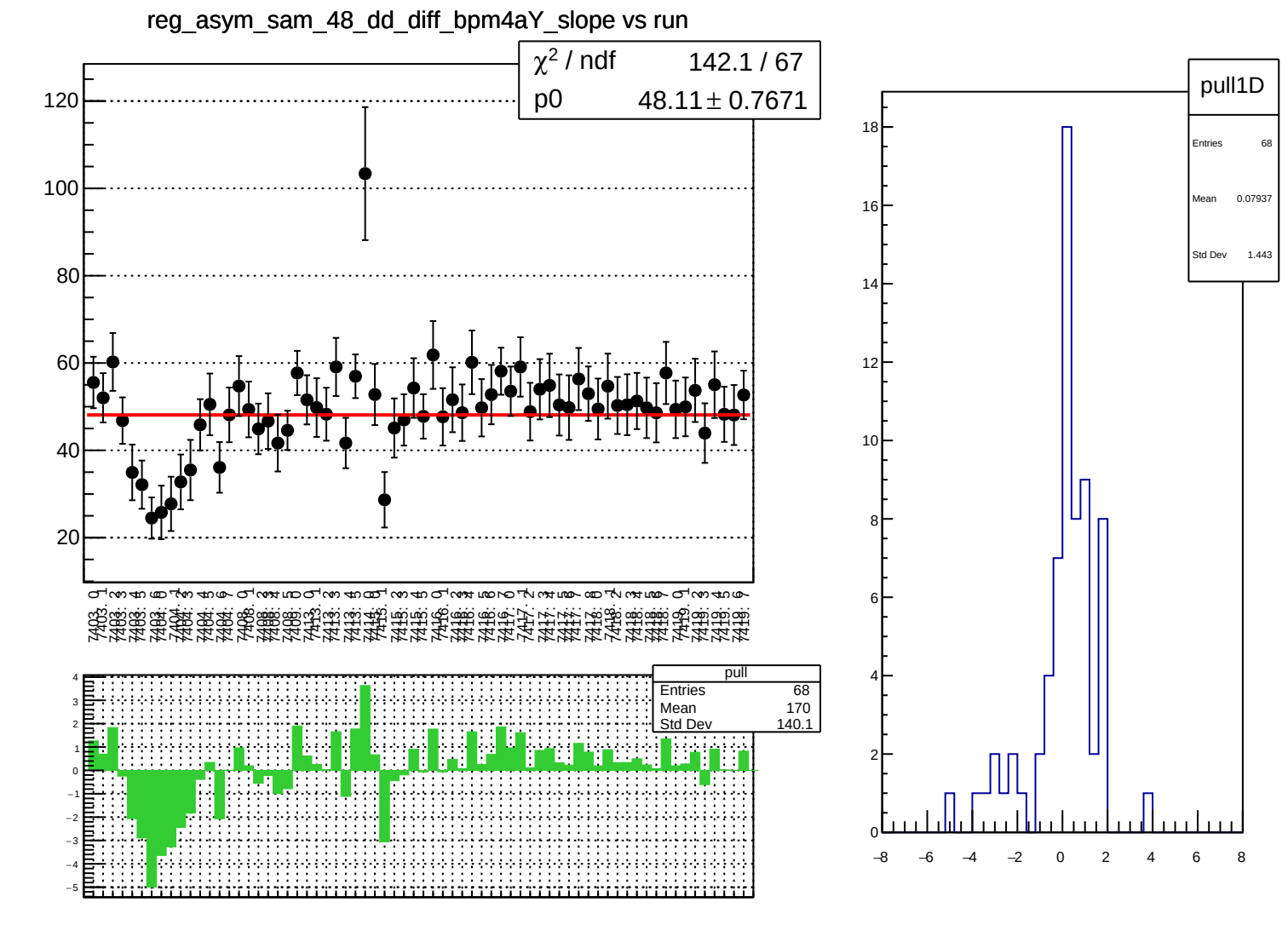

pull1D
Entries 68
Mean 0.1314
Std Dev 2.088

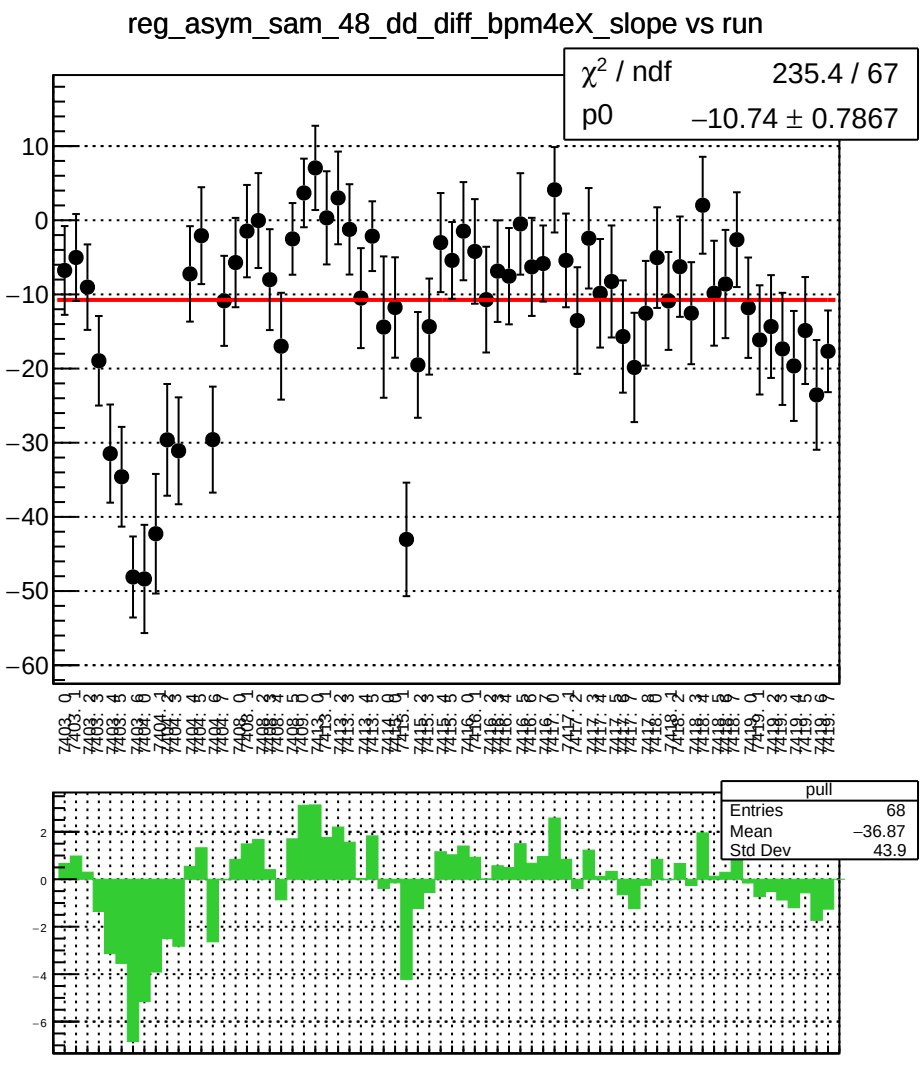

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 486.4 / 67
p0 −26.06 ± 0.951
pull
Entries 68
Mean −55.69
Std Dev 70.05
pull1D
Entries 68
Mean 0.01275
Std Dev 2.406

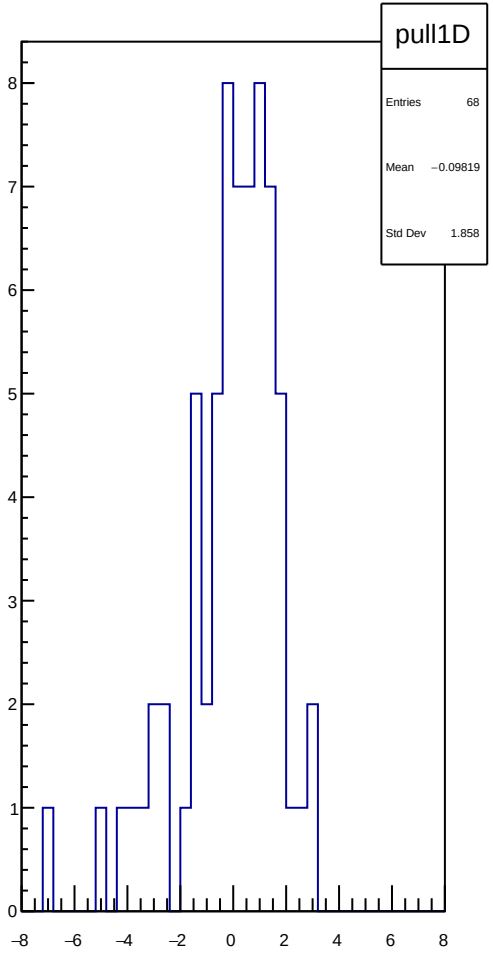

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 172.7 / 67
p0 91.43 ± 0.9798
pull
Entries 68
Mean −666.8
Std Dev 708.7
pull1D
Entries 68
Mean −0.01309
Std Dev 1.594

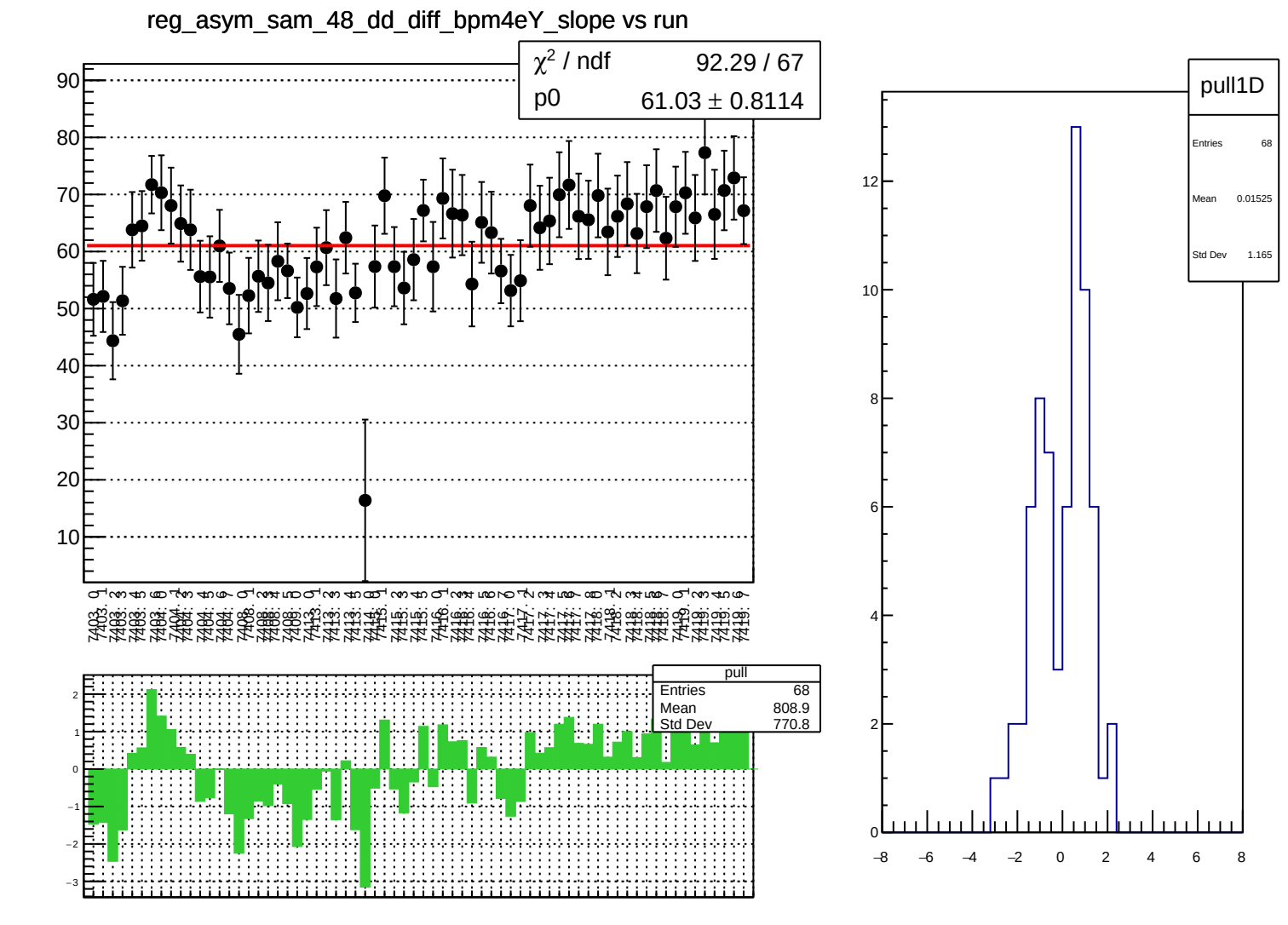

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 32.06 / 67
p0 0.1391± 0.04314
pull
Entries 68
Mean 366.2
Std Dev 332.7
pull1D
Entries 68
Mean 0.03603
Std Dev 0.6857

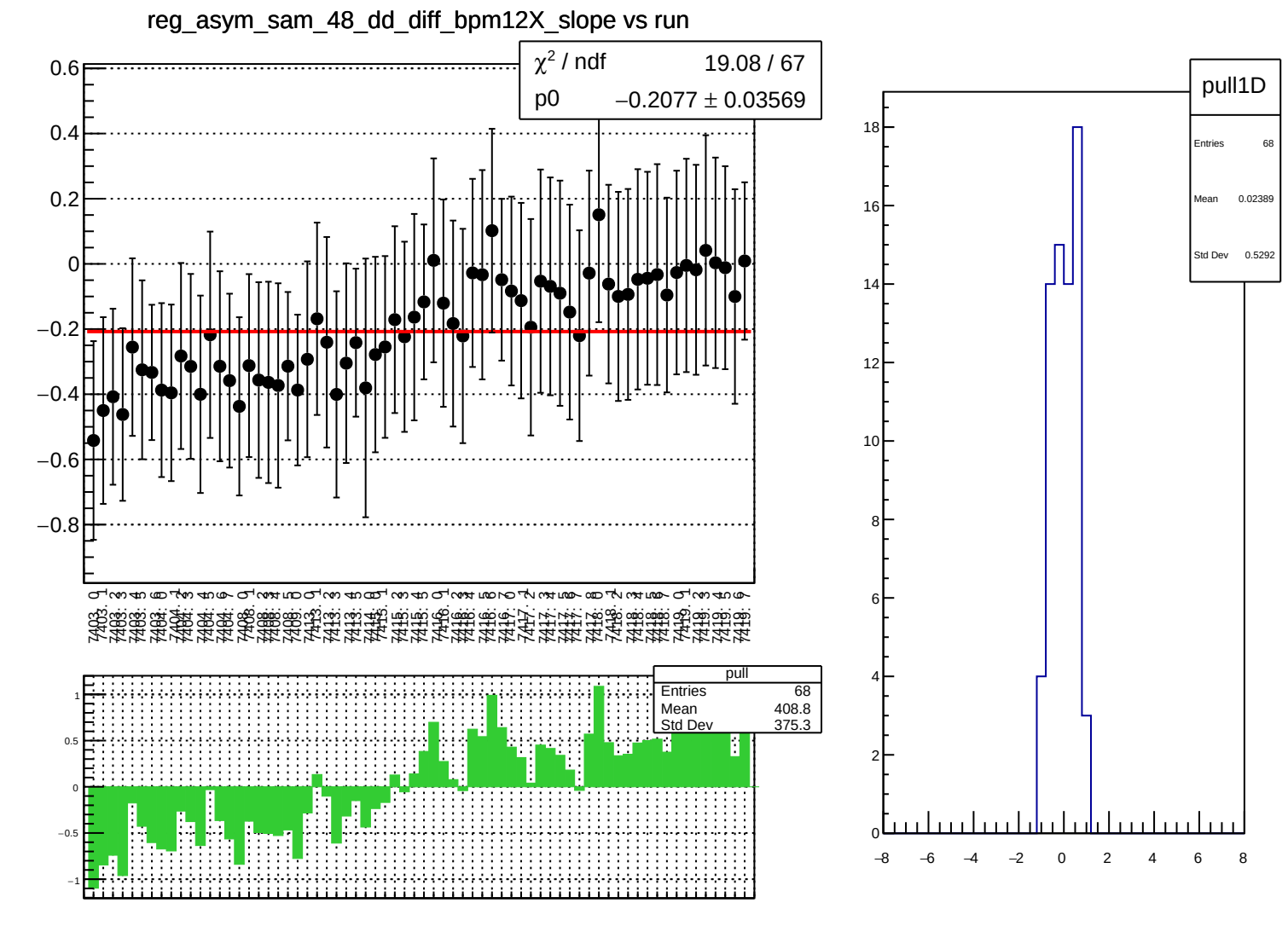

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 373.5 / 67
p0 −56.66 ± 0.7568
pull
Entries 68
Mean −337.2
Std Dev 364.6
pull1D
Entries 68
Mean −0.0661
Std Dev 2.104

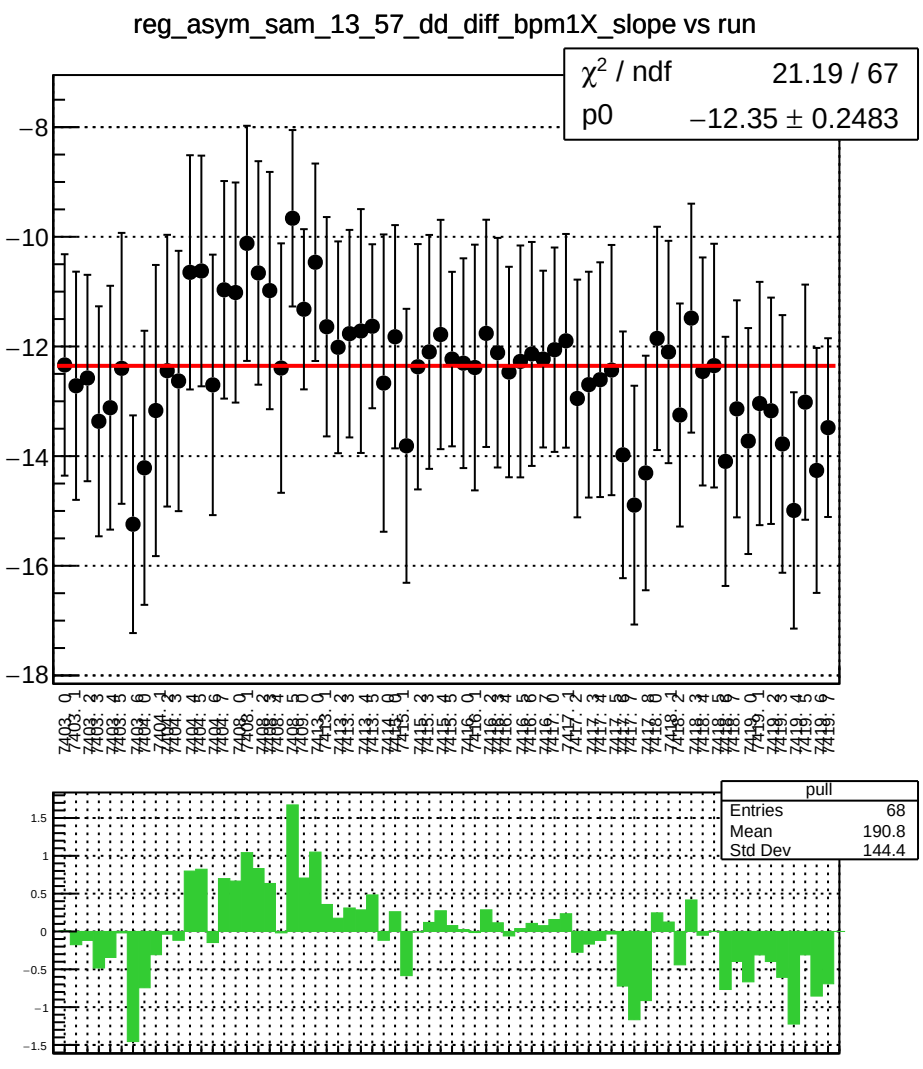

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 142.1 / 67
p0 48.11 ± 0.7671
pull
Entries 68
Mean 170
Std Dev 140.1
pull1D
Entries 68
Mean 0.07937
Std Dev 1.443

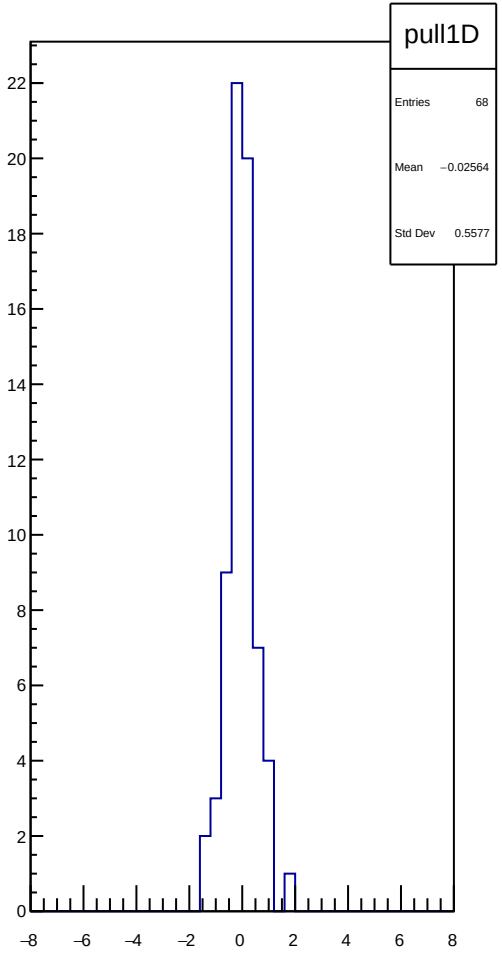

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 235.4 / 67
p0 −10.74 ± 0.7867
pull
Entries 68
Mean −36.87
Std Dev 43.9

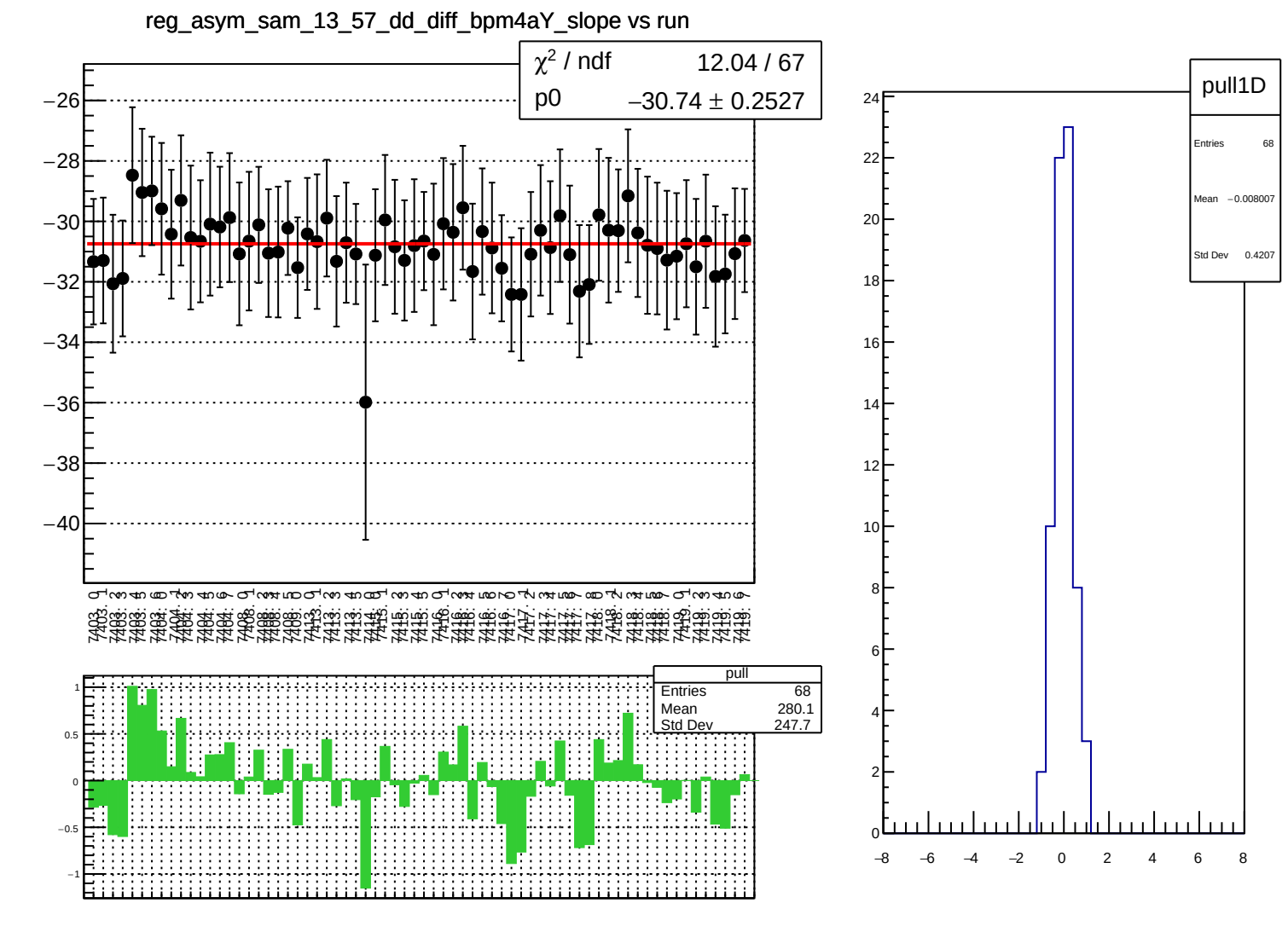

pull1D
Entries 68
Mean −0.09819
Std Dev 1.858

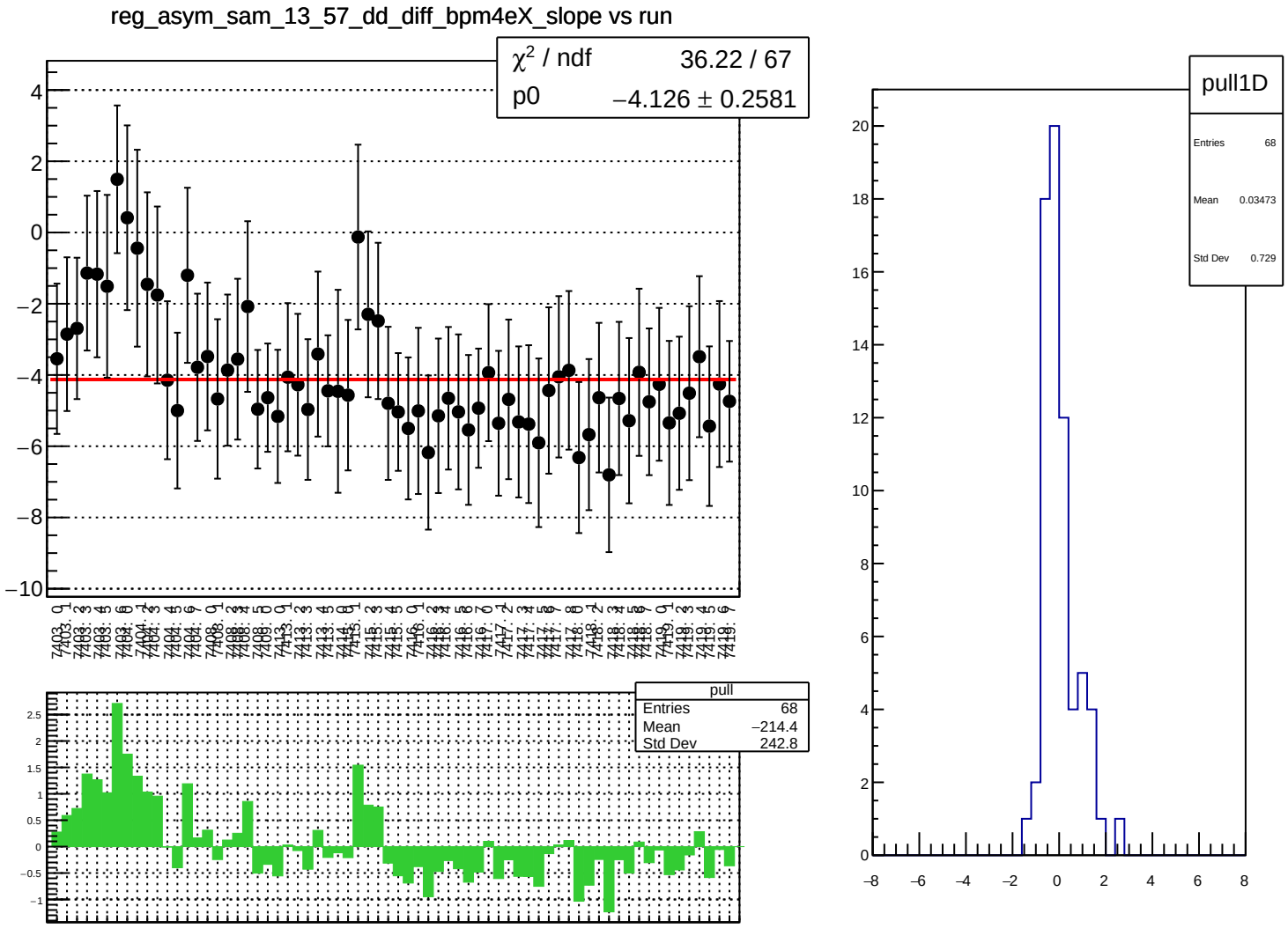

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.29 / 67
p0 61.03 ± 0.8114
pull
Entries 68
Mean 808.9
Std Dev 770.8
pull1D
Entries 68
Mean 0.01525
Std Dev 1.165

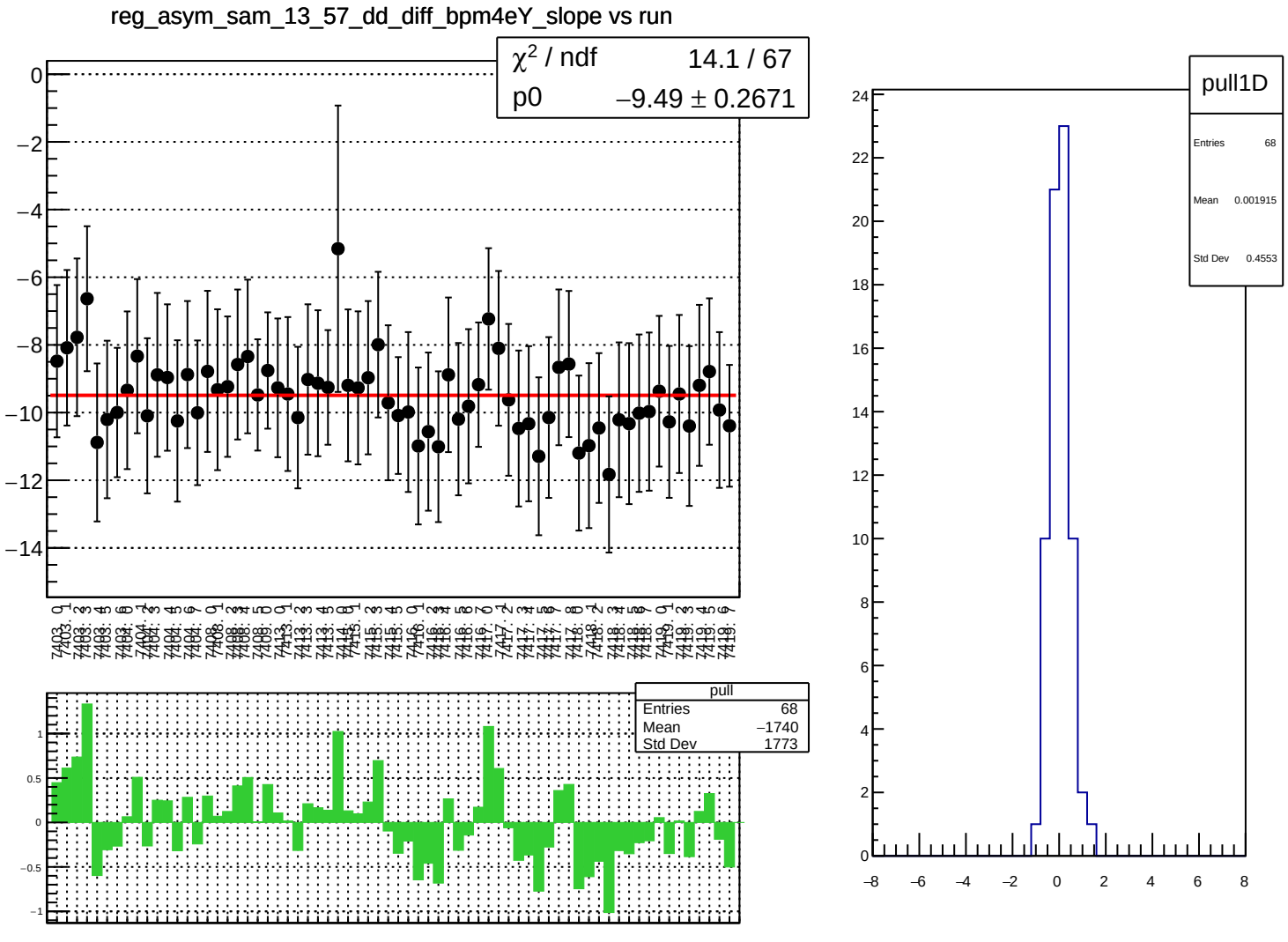

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.08 / 67
p0 −0.2077 ± 0.03569
pull
Entries 68
Mean 408.8
Std Dev 375.3
pull1D
Entries 68
Mean 0.02389
Std Dev 0.5292

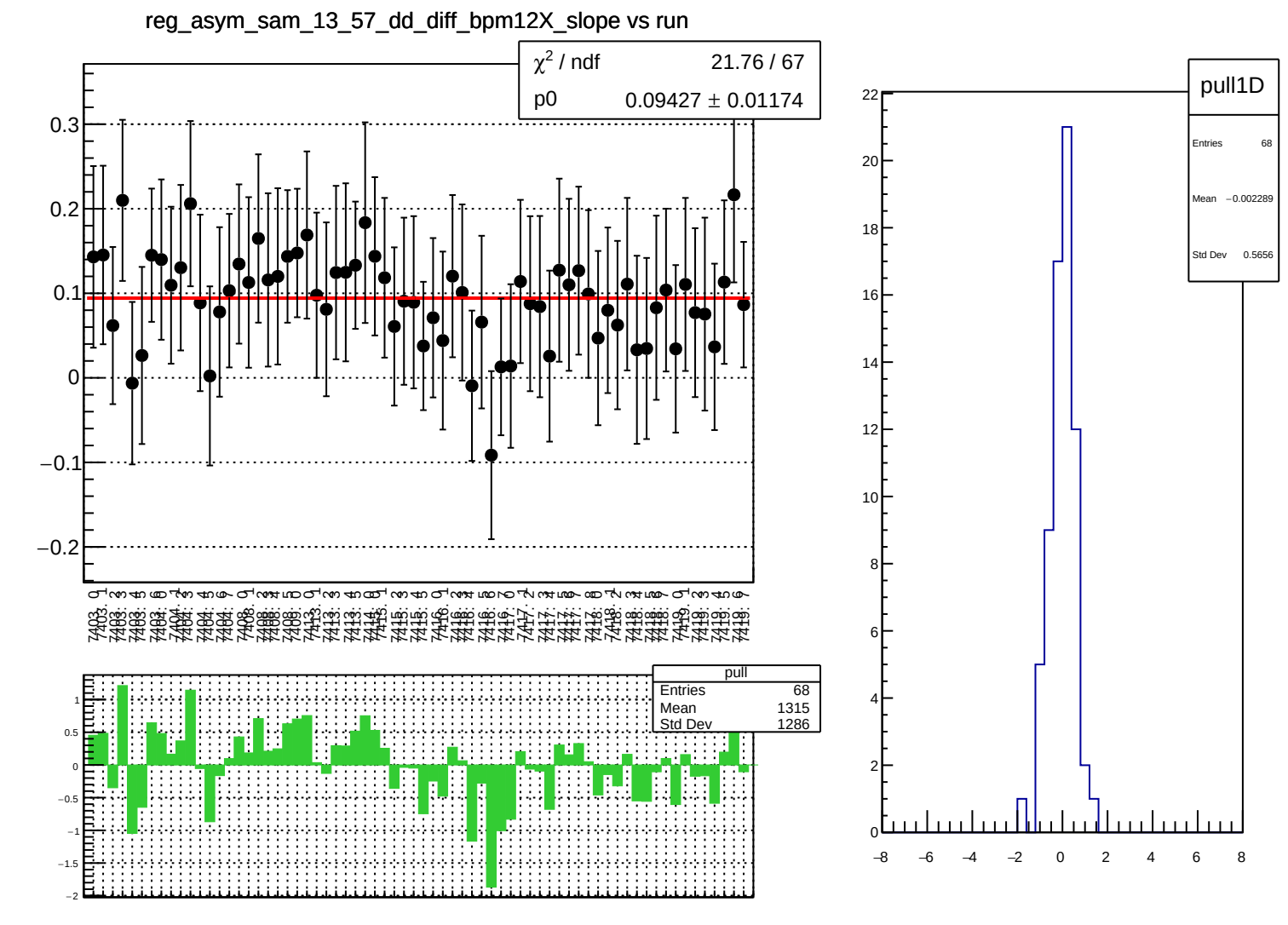

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 21.19 / 67
p0 −12.35 ± 0.2483
pull
Entries 68
Mean 190.8
Std Dev 144.4

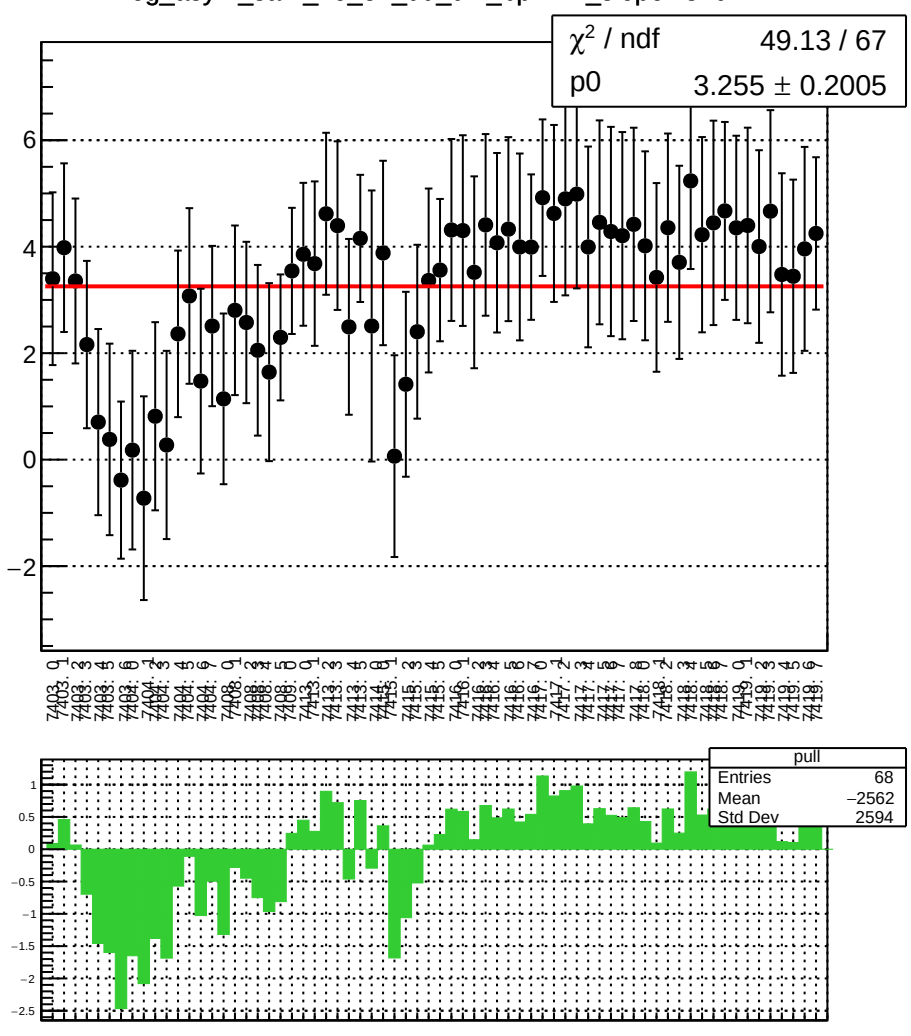

pull1D
Entries 68
Mean −0.02564
Std Dev 0.5577

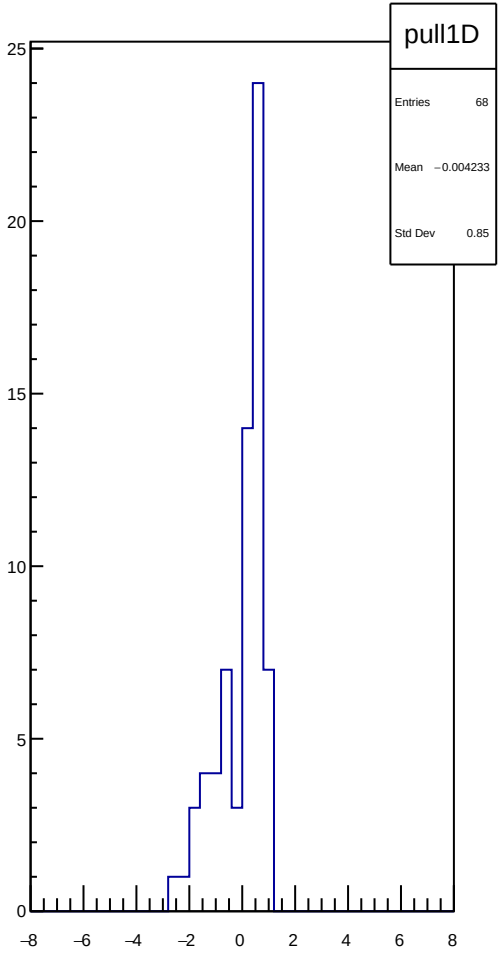

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.04 / 67
p0 −30.74 ± 0.2527
pull
Entries 68
Mean 280.1
Std Dev 247.7
pull1D
Entries 68
Mean −0.008007
Std Dev 0.4207

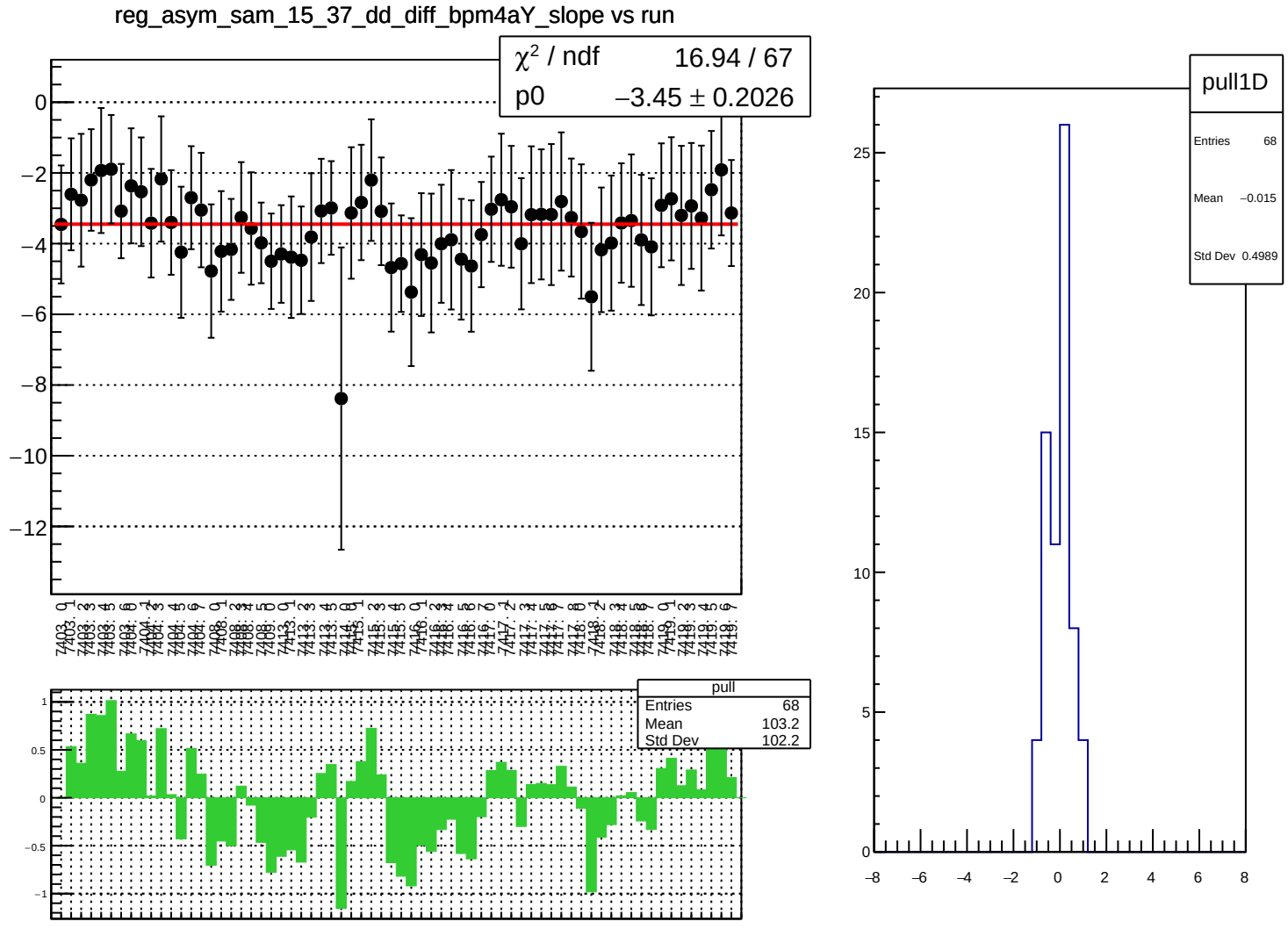

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.22 / 67
p0 −4.126 ± 0.2581
pull
Entries 68
Mean −214.4
Std Dev 242.8
pull1D
Entries 68
Mean 0.03473
Std Dev 0.729

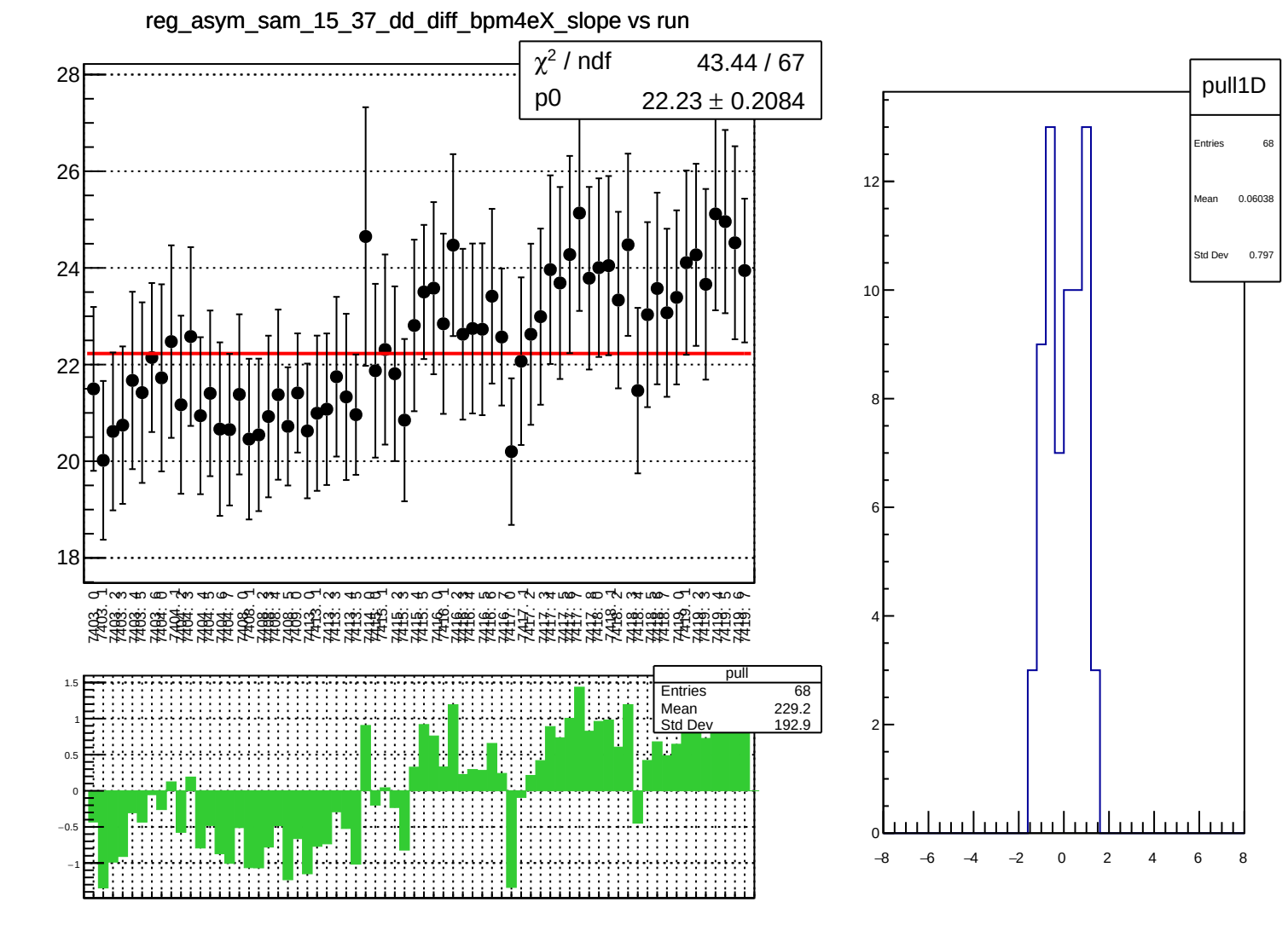

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.1 / 67
p0 −9.49 ± 0.2671
pull
Entries 68
Mean −1740
Std Dev 1773
pull1D
Entries 68
Mean 0.001915
Std Dev 0.4553

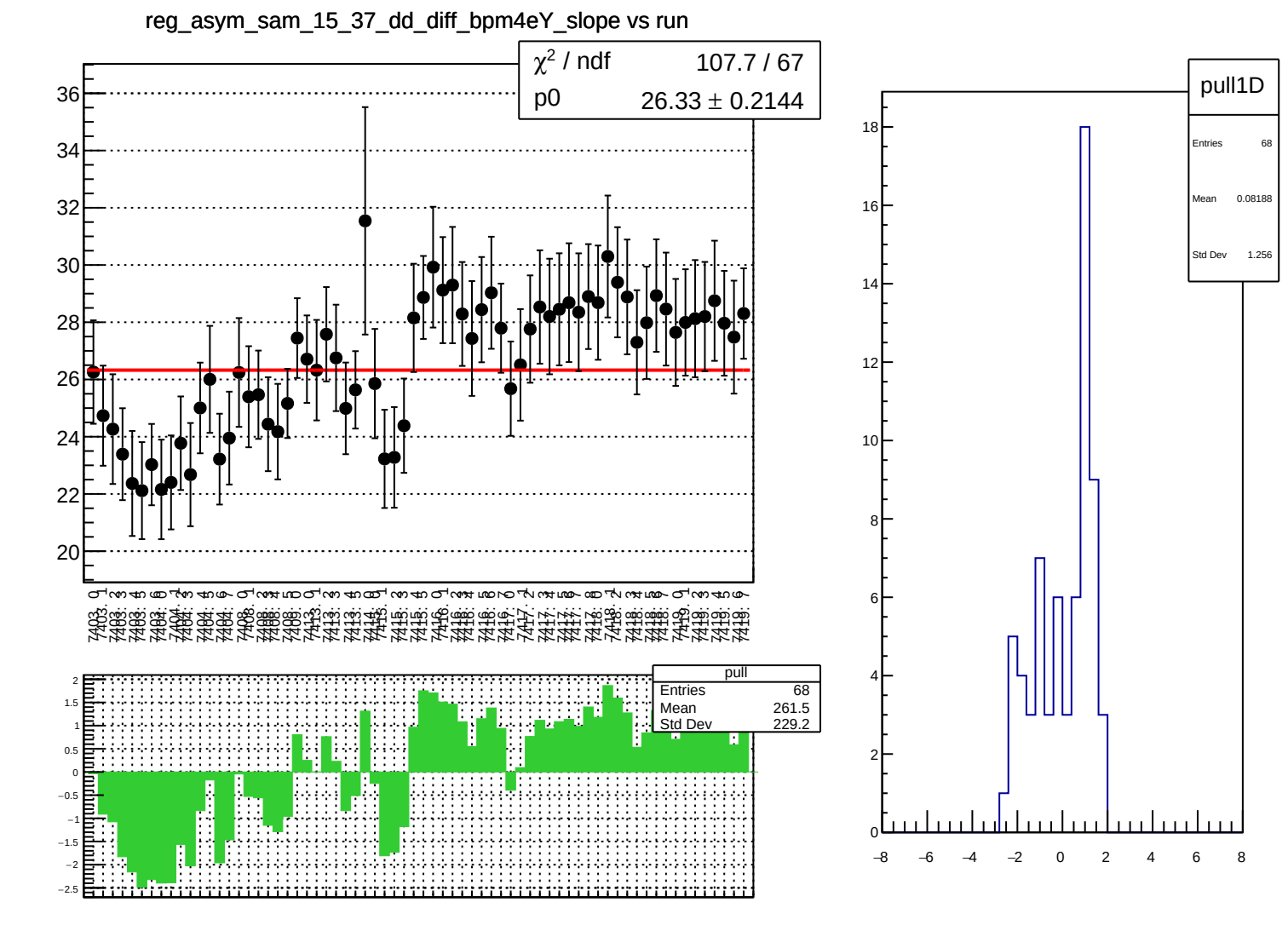

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 21.76 / 67
p0 0.09427 ± 0.01174
pull
Entries 68
Mean 1315
Std Dev 1286
pull1D
Entries 68
Mean −0.002289
Std Dev 0.5656

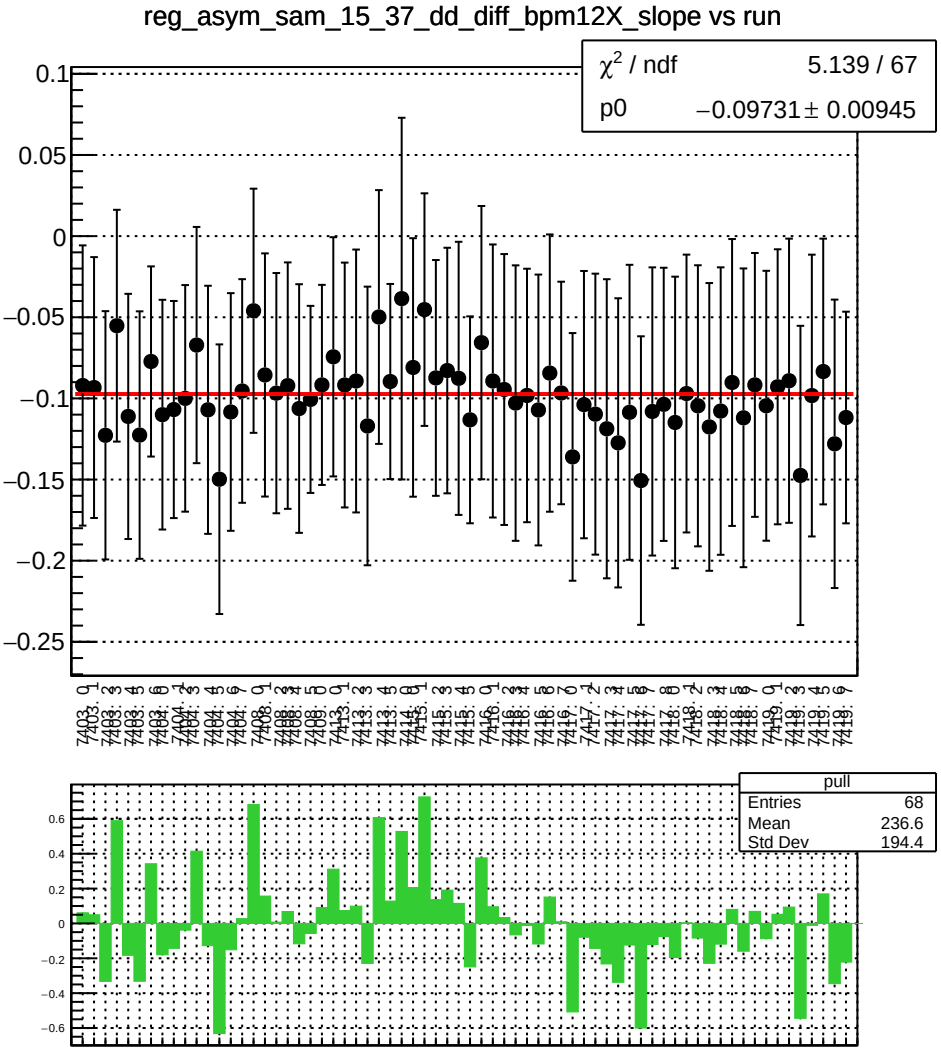

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 49.13 / 67
p0 3.255 ± 0.2005
pull
Entries 68
Mean −2562
Std Dev 2594

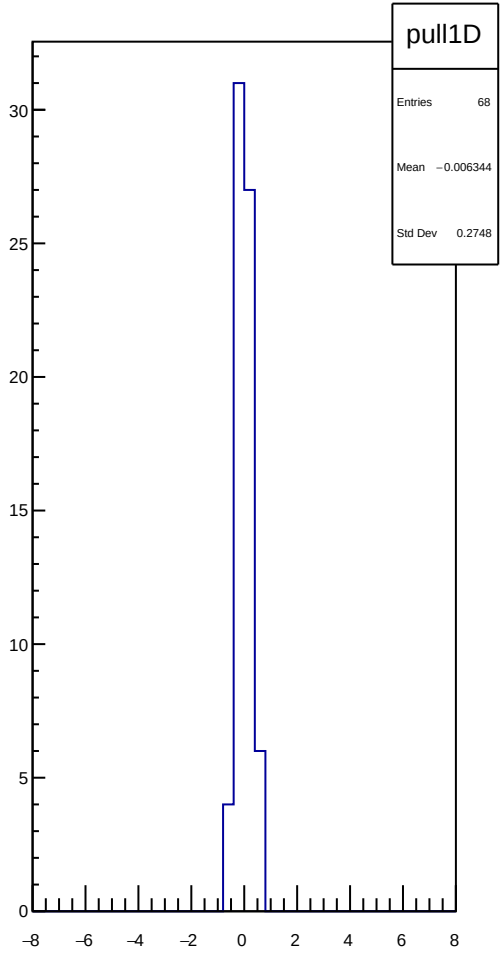

pull1D
Entries 68
Mean −0.004233
Std Dev 0.85

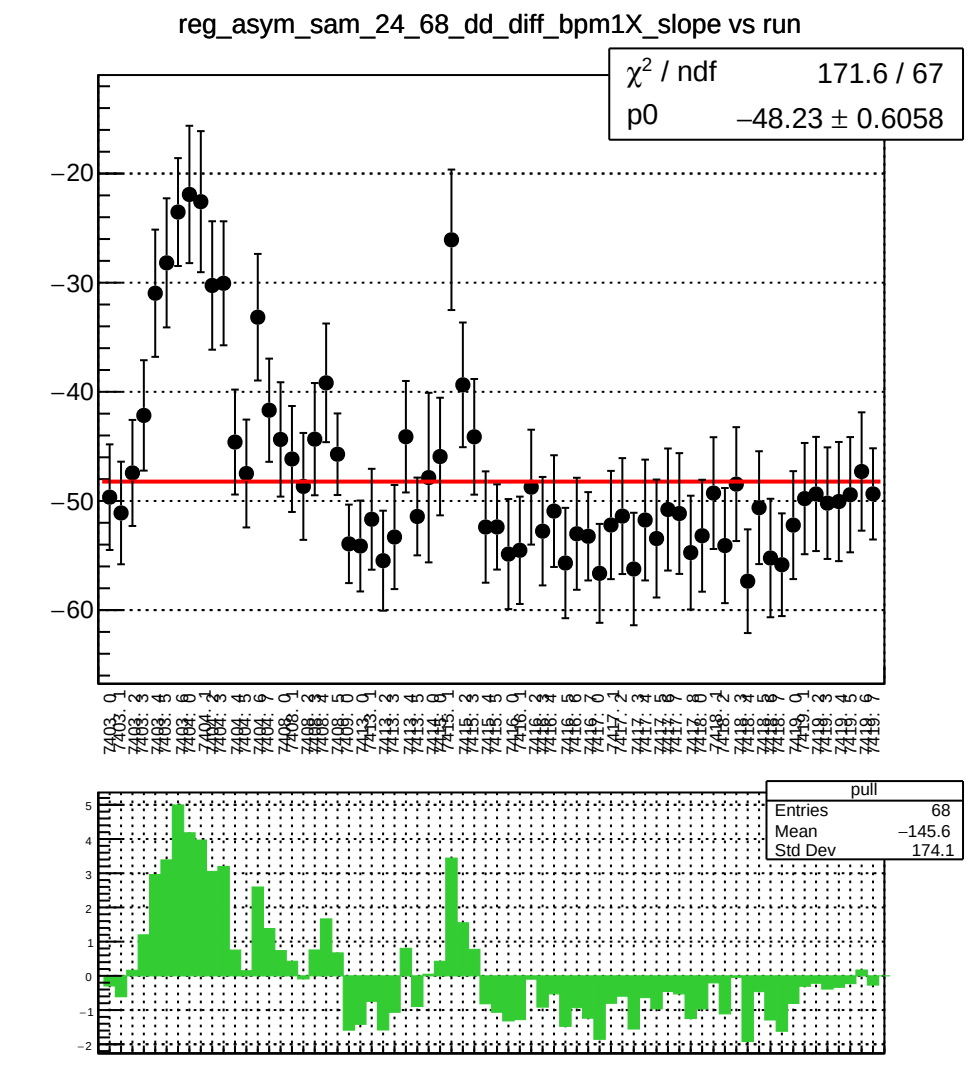

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.94 / 67
p0 −3.45 ± 0.2026
pull
Entries 68
Mean 103.2
Std Dev 102.2
pull1D
Entries 68
Mean −0.015
Std Dev 0.4989

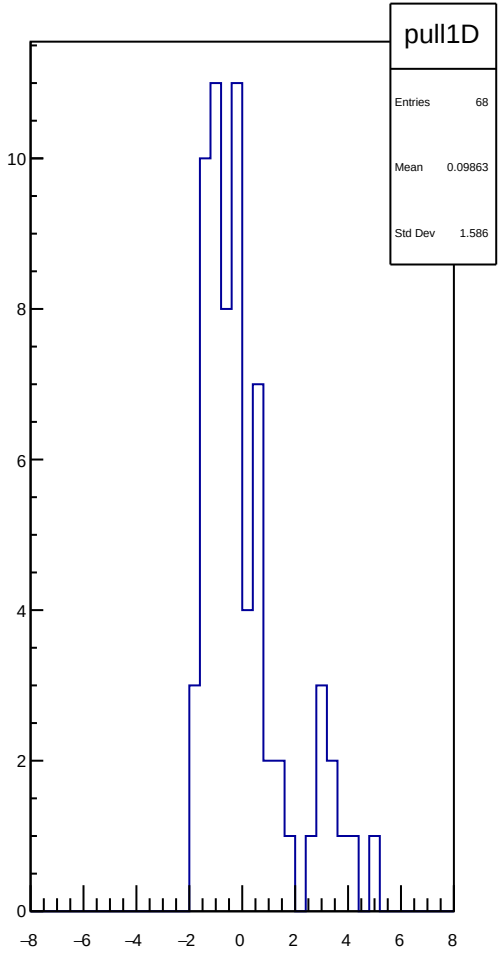

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.44 / 67
p0 22.23 ± 0.2084
pull
Entries 68
Mean 229.2
Std Dev 192.9
pull1D
Entries 68
Mean 0.06038
Std Dev 0.797

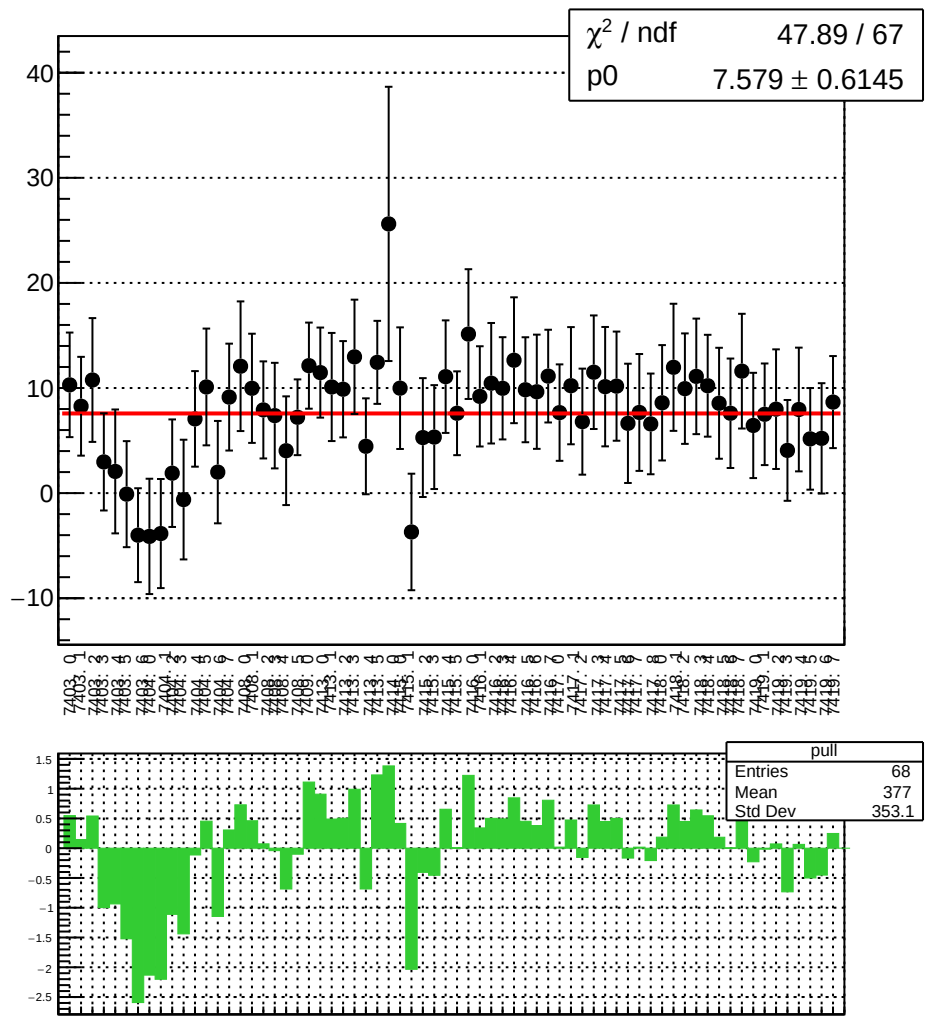

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.7 / 67
p0 26.33 ± 0.2144
pull
Entries 68
Mean 261.5
Std Dev 229.2
pull1D
Entries 68
Mean 0.08188
Std Dev 1.256

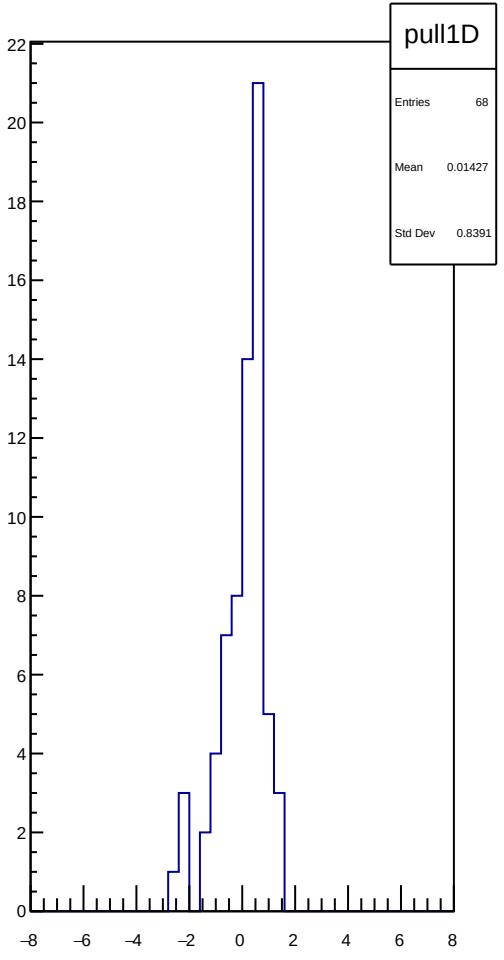

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 5.139 / 67
p0 −0.09731 ± 0.00945
pull
Entries 68
Mean 236.6
Std Dev 194.4

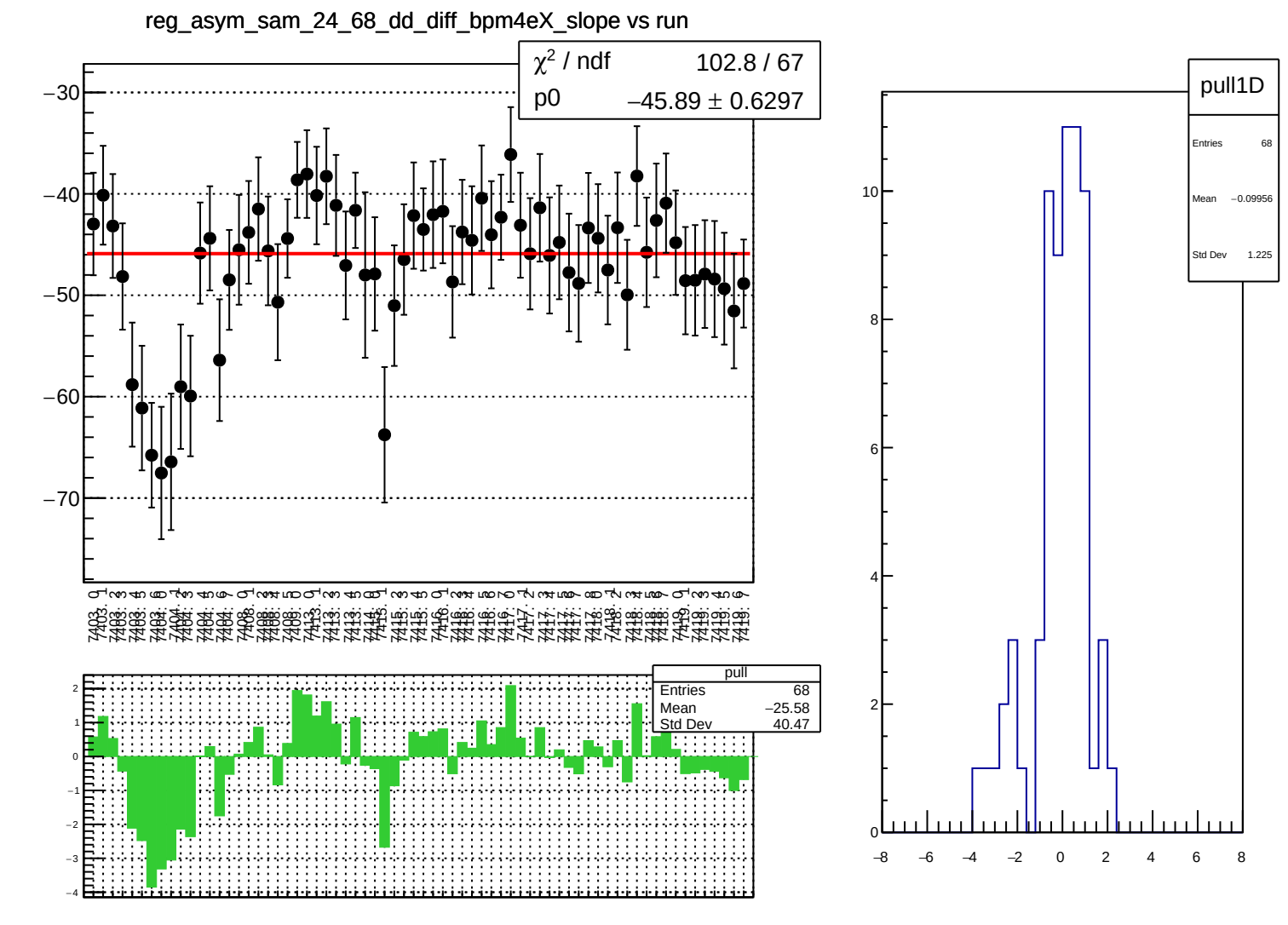

pull1D
Entries 68
Mean −0.006344
Std Dev 0.2748

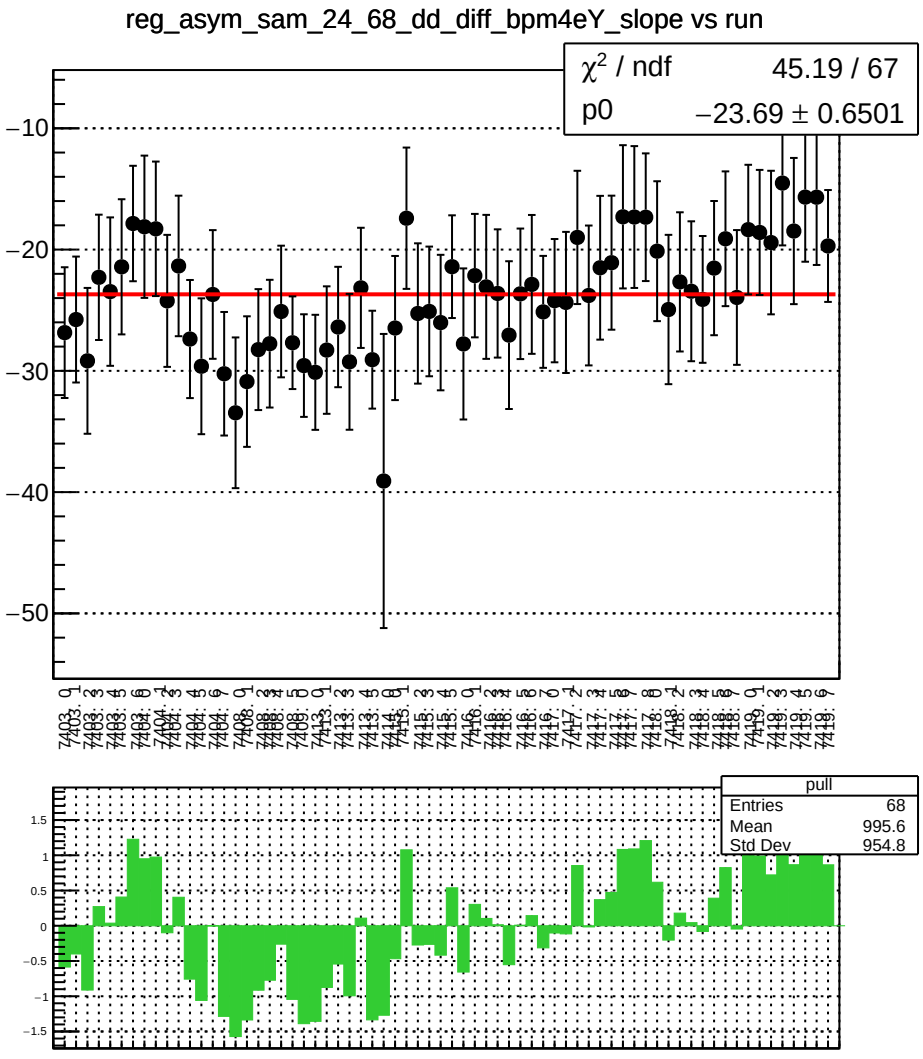

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 171.6 / 67
p0 −48.23 ± 0.6058
pull
Entries 68
Mean −145.6
Std Dev 174.1

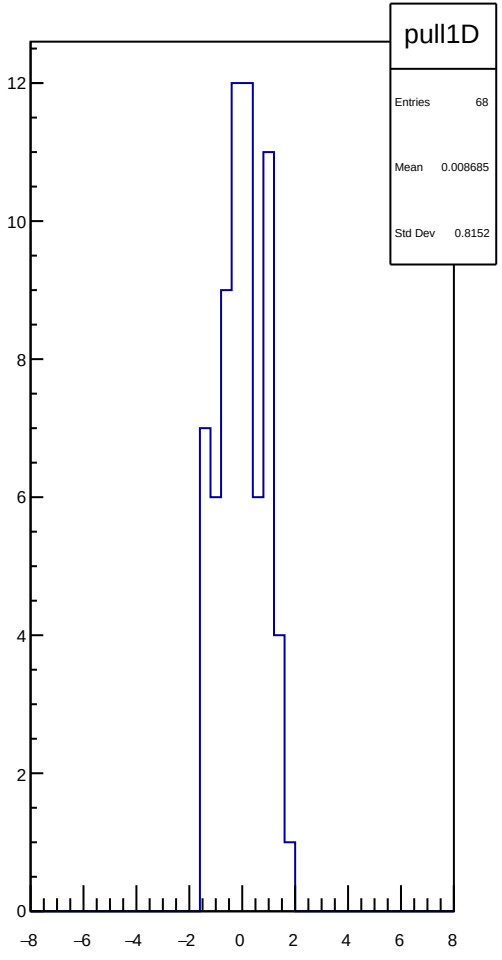

pull1D
Entries 68
Mean 0.09863
Std Dev 1.586

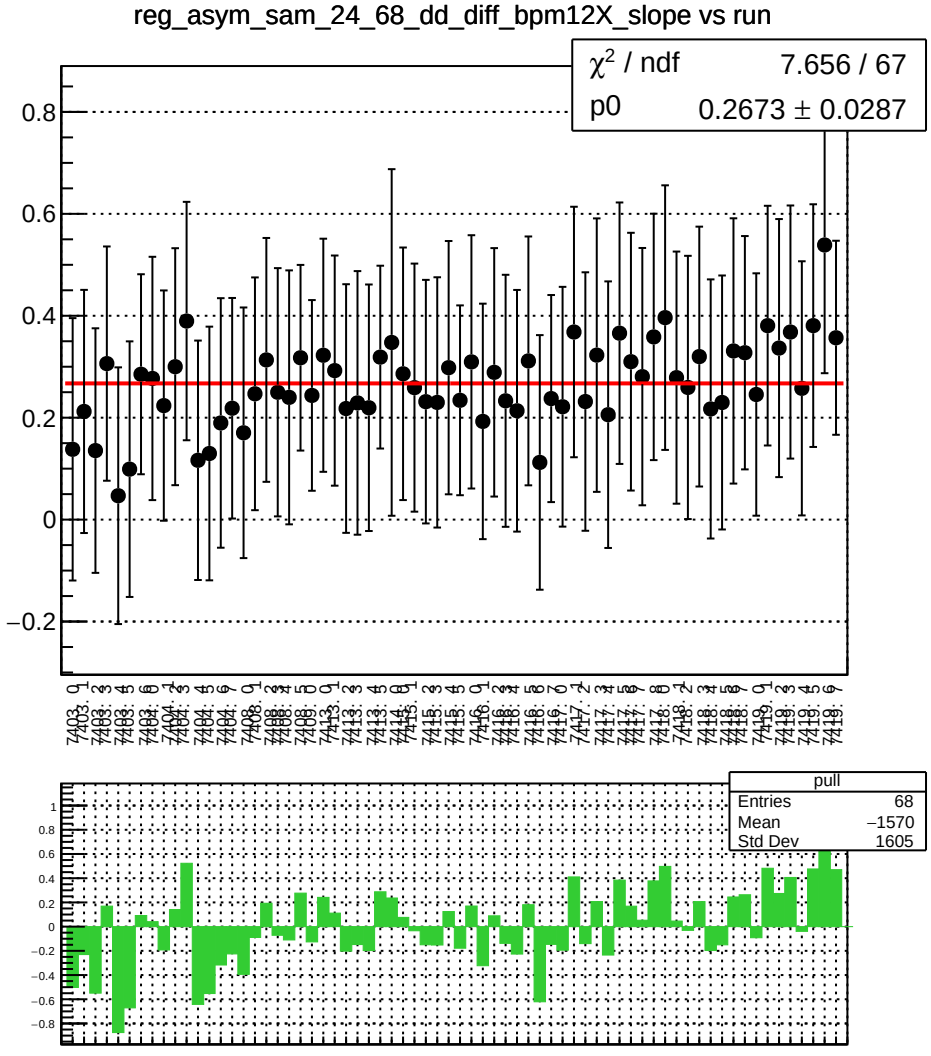

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.89 / 67
p0 7.579 ± 0.6145
pull
Entries 68
Mean 377
Std Dev 353.1

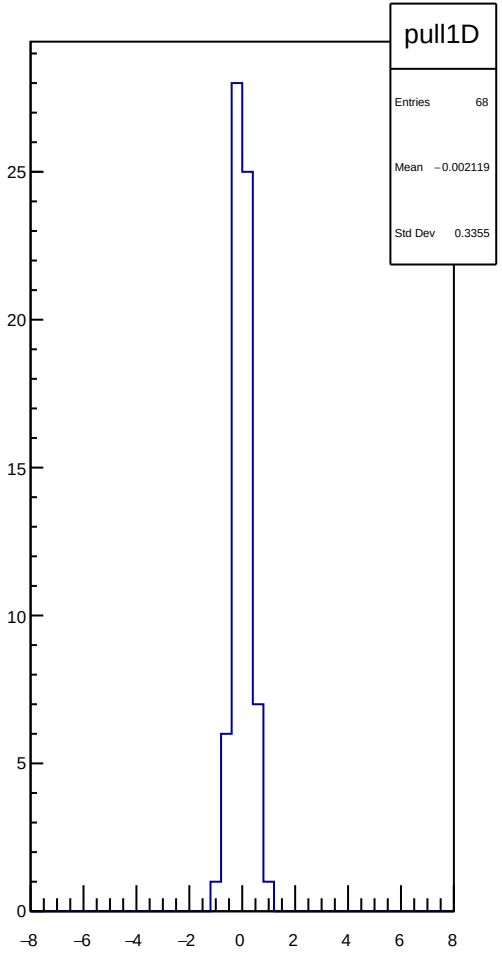

pull1D
Entries 68
Mean 0.01427
Std Dev 0.8391

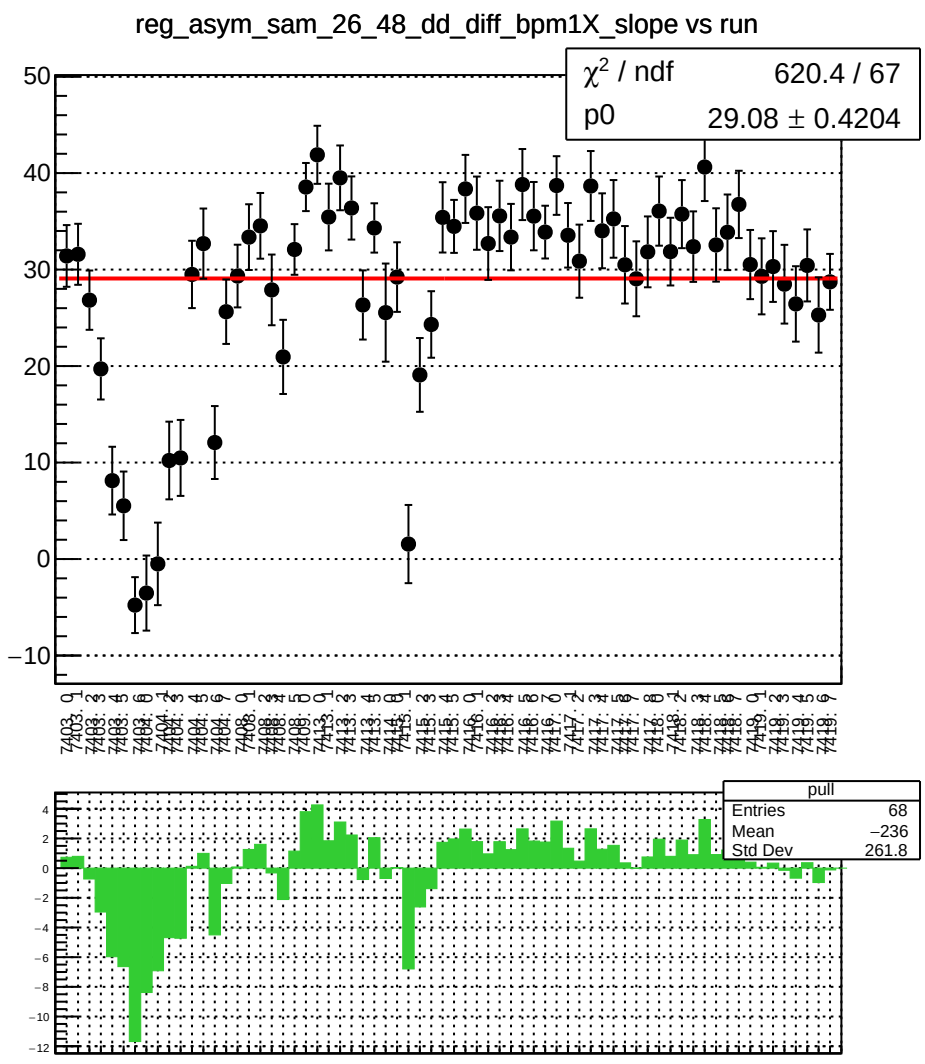

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.8 / 67
p0 −45.89 ± 0.6297
pull
Entries 68
Mean −25.58
Std Dev 40.47
pull1D
Entries 68
Mean −0.09956
Std Dev 1.225

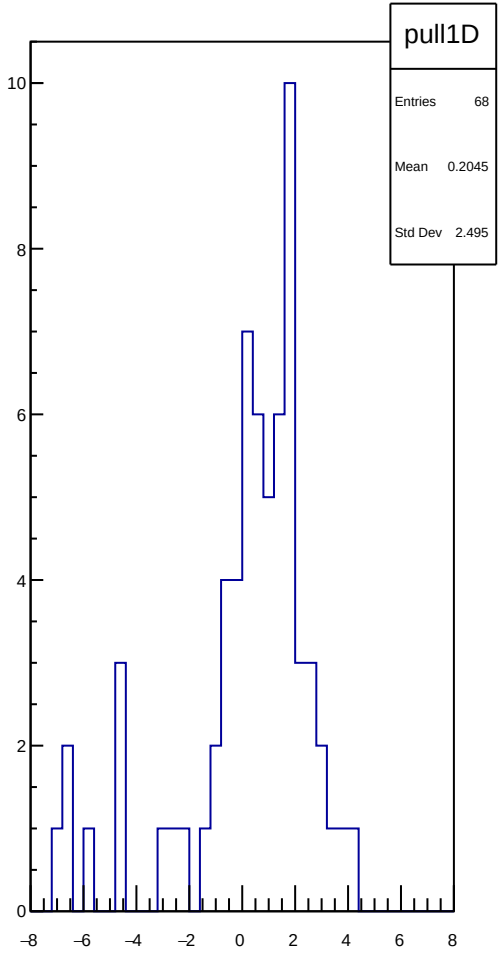

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.19 / 67
p0 −23.69 ± 0.6501
pull
Entries 68
Mean 995.6
Std Dev 954.8

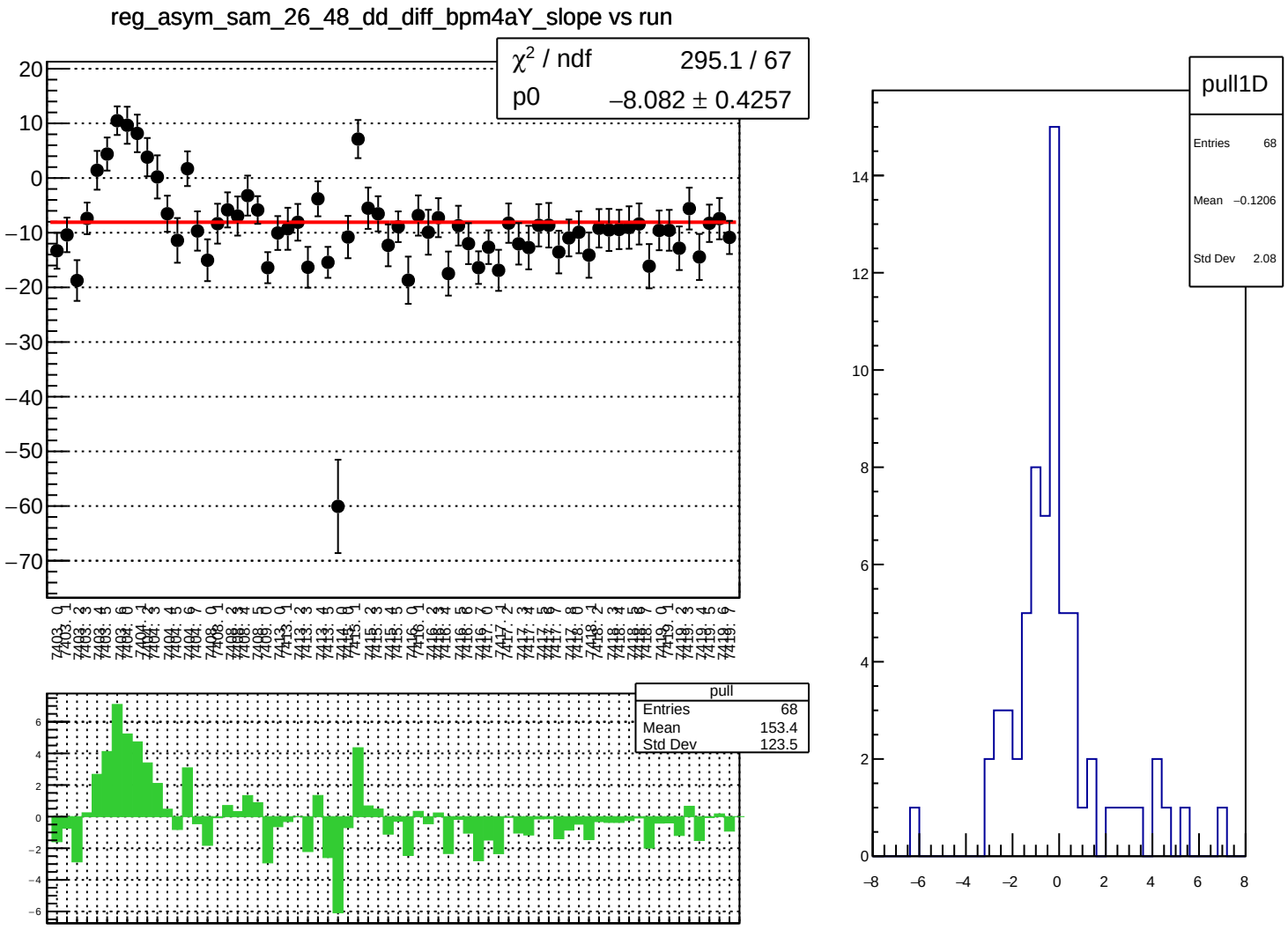

pull1D
Entries 68
Mean 0.008685
Std Dev 0.8152

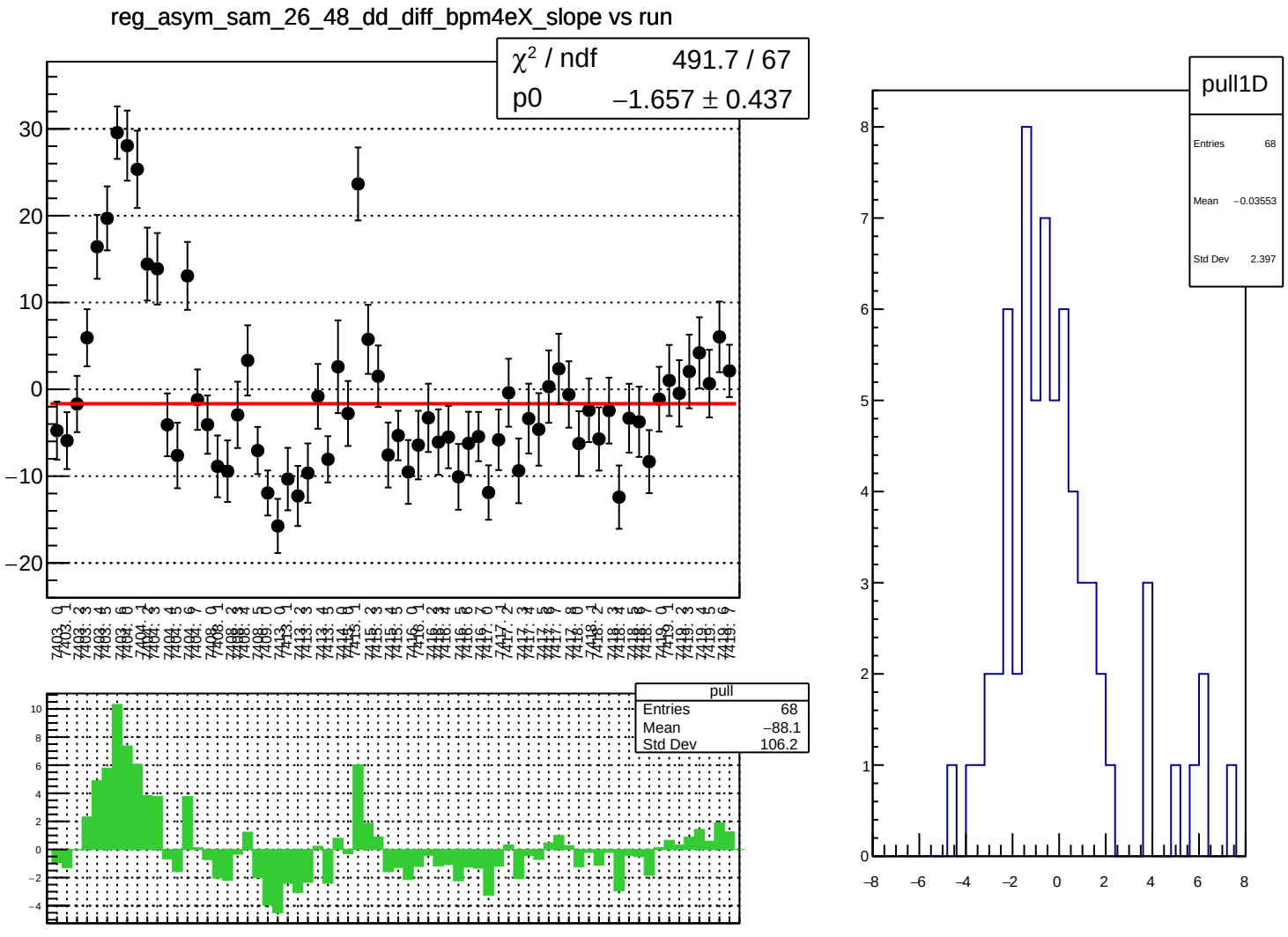

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 7.656 / 67
p0 0.2673 ± 0.0287
pull
Entries 68
Mean −1570
Std Dev 1605

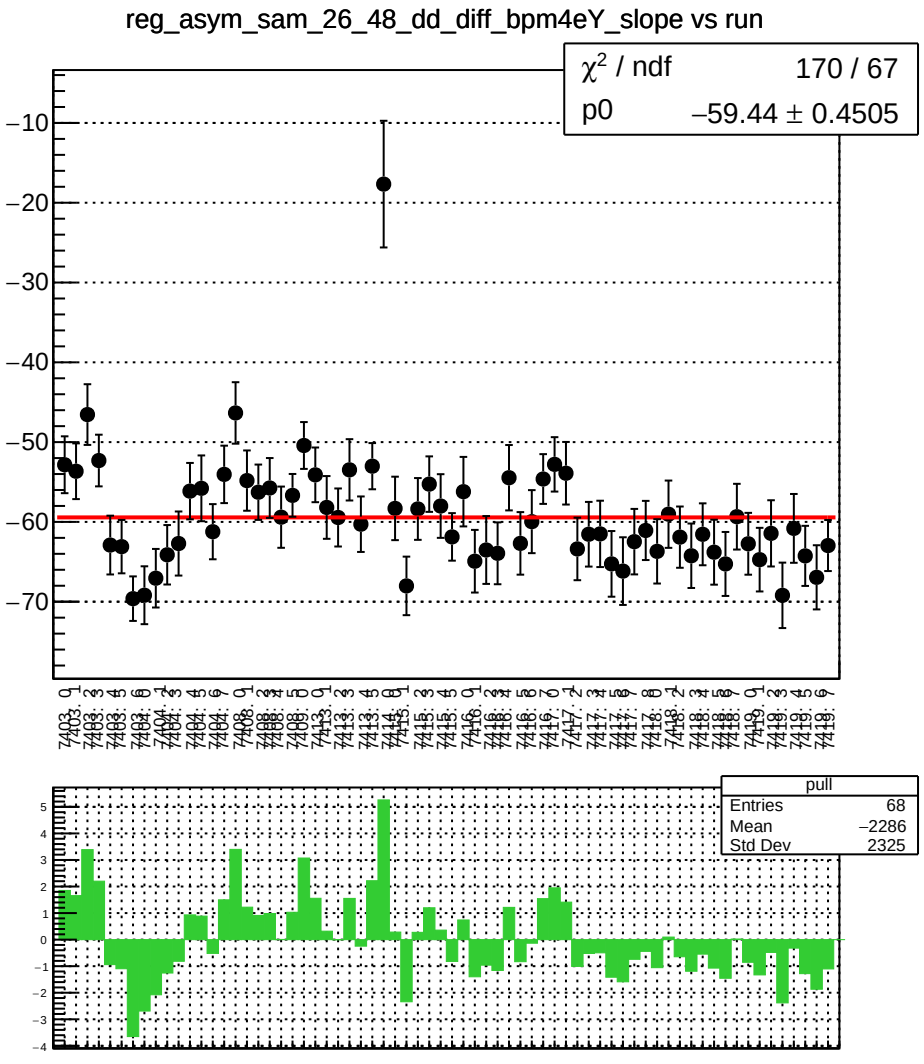

pull1D
Entries 68
Mean −0.002119
Std Dev 0.3355

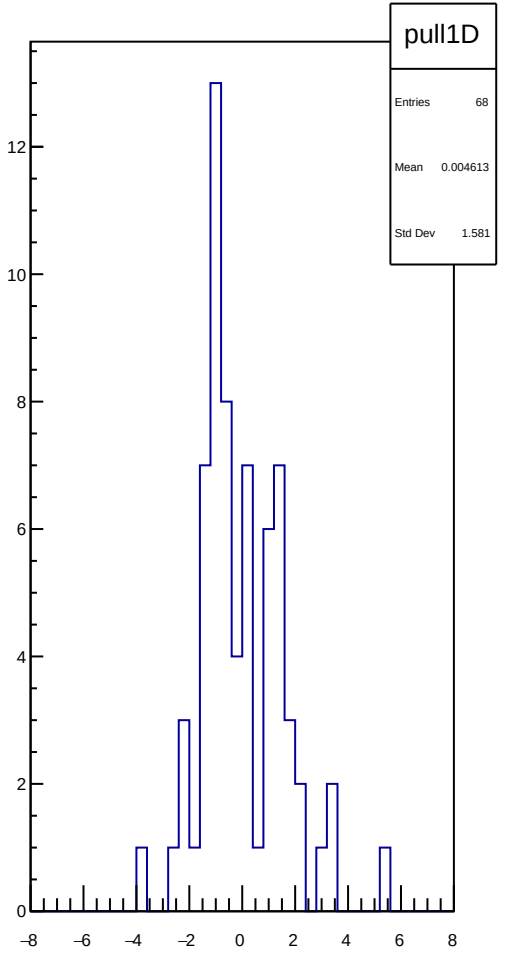

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 620.4 / 67
p0 29.08 ± 0.4204
pull
Entries 68
Mean −236
Std Dev 261.8

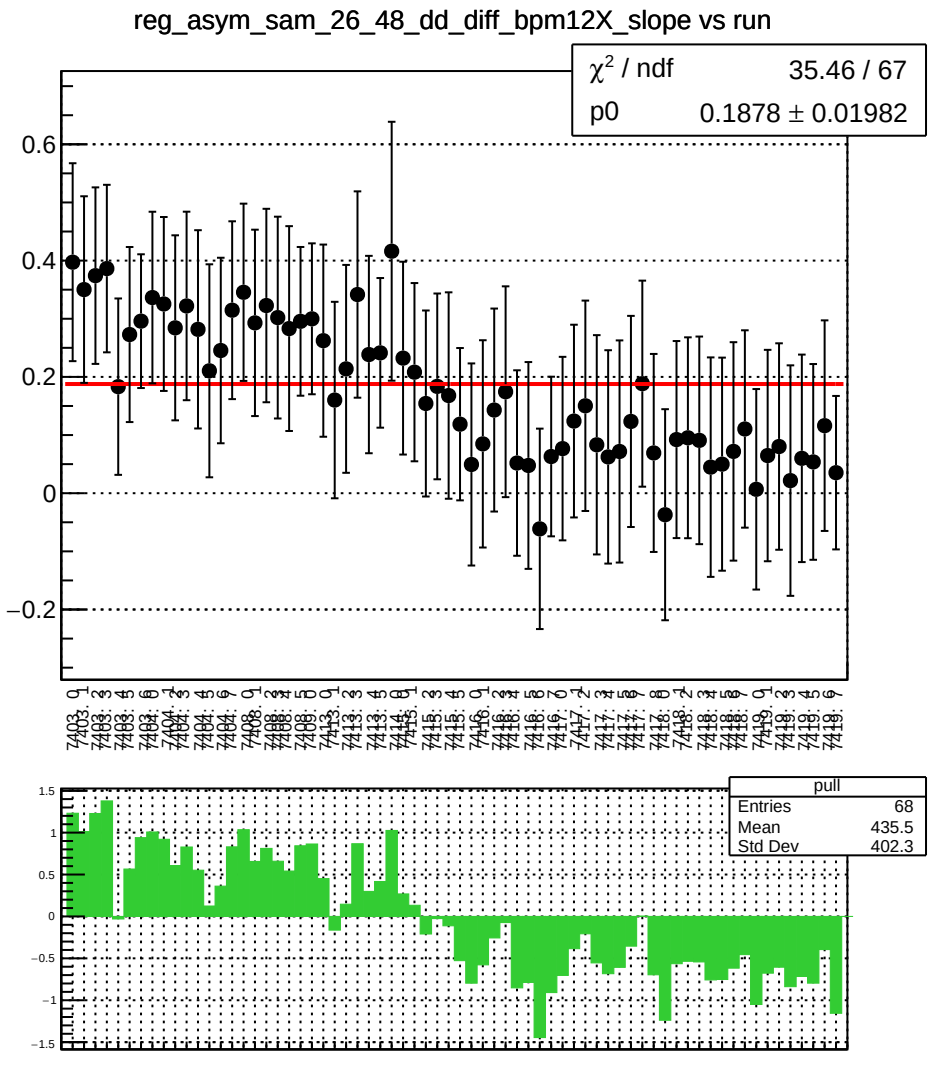

pull1D
Entries 68
Mean 0.2045
Std Dev 2.495

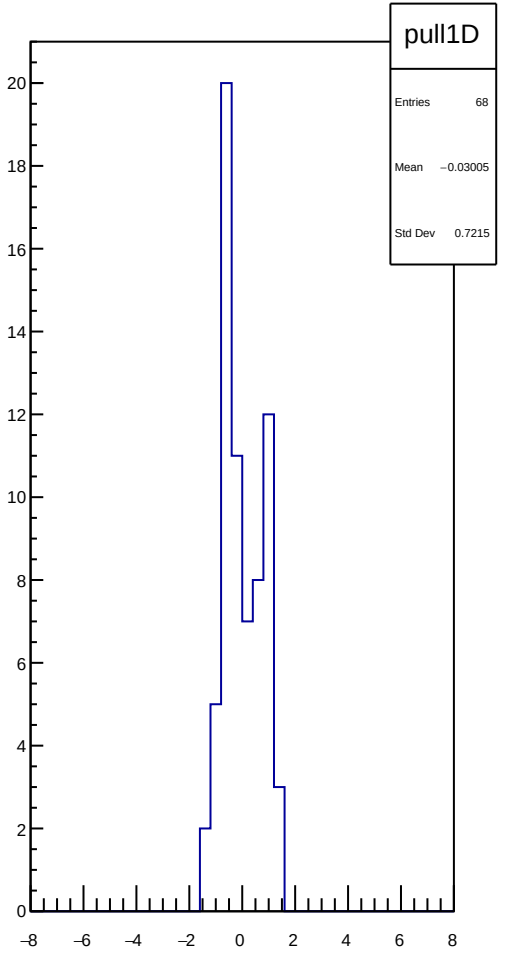

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 295.1 / 67
p0 −8.082 ± 0.4257
pull
Entries 68
Mean 153.4
Std Dev 123.5
pull1D
Entries 68
Mean −0.1206
Std Dev 2.08

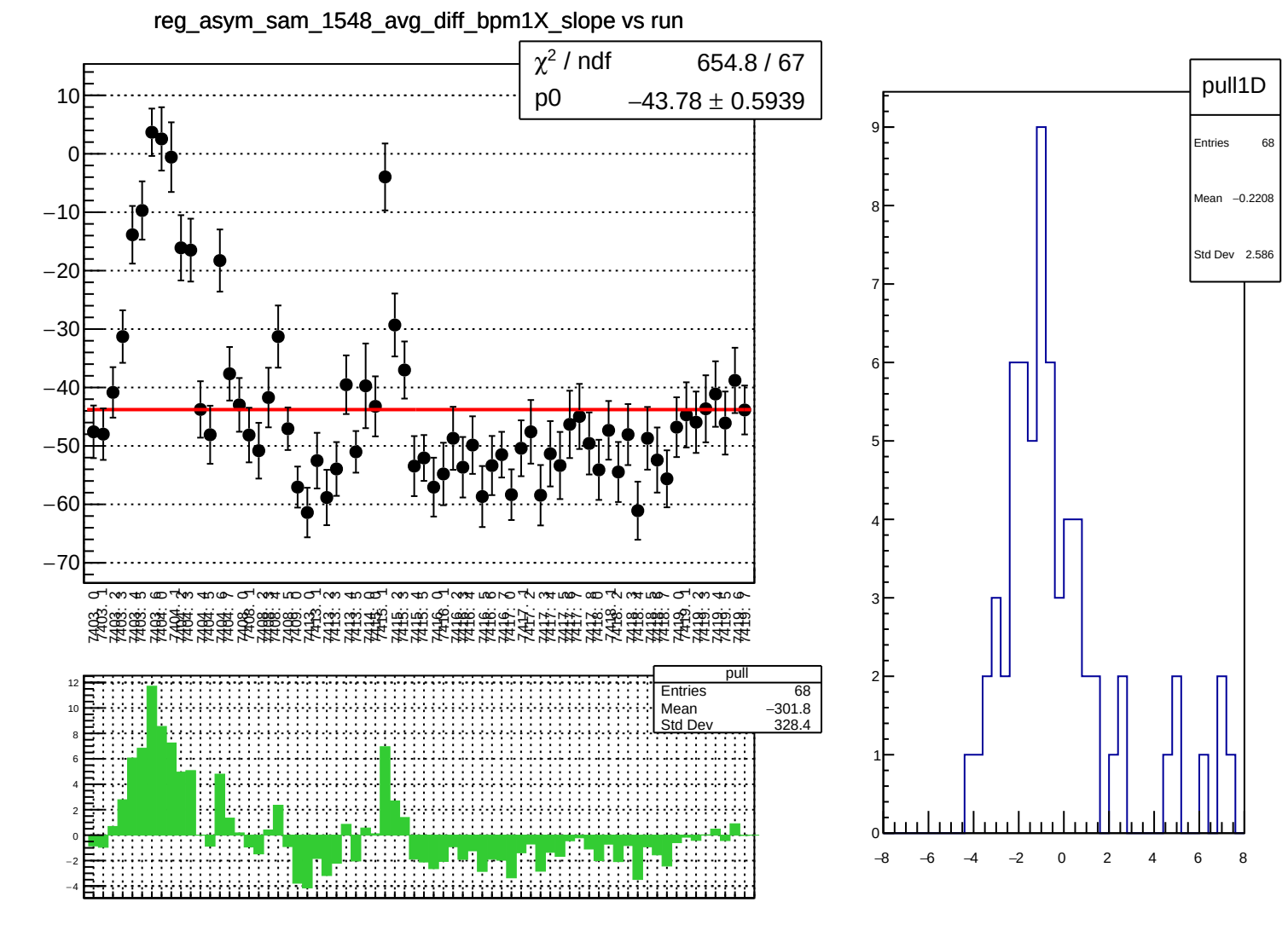

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 491.7 / 67
p0 −1.657 ± 0.437
pull
Entries 68
Mean −88.1
Std Dev 106.2
pull1D
Entries 68
Mean −0.03553
Std Dev 2.397

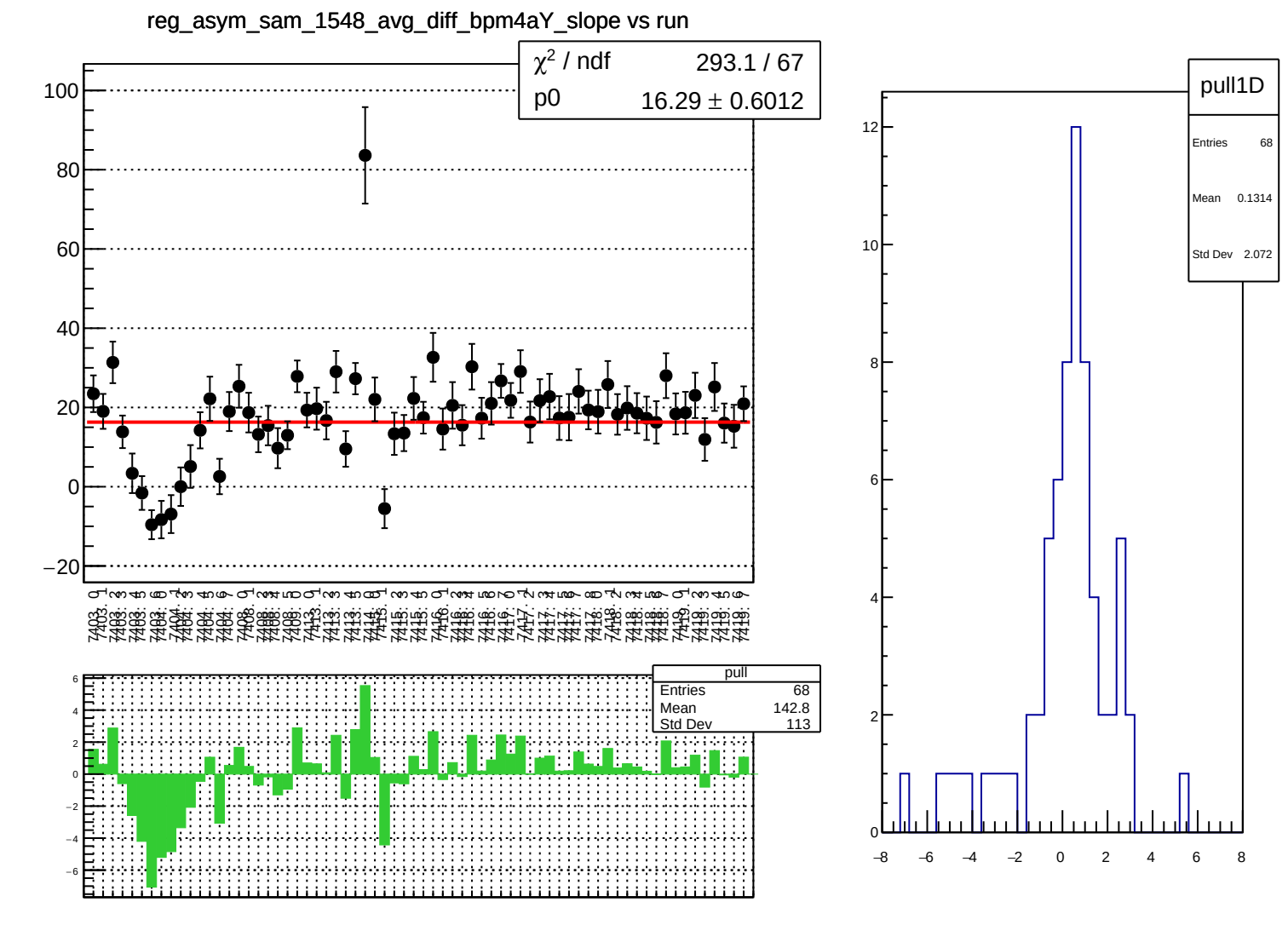

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 170 / 67
p0 −59.44 ± 0.4505
pull
Entries 68
Mean −2286
Std Dev 2325

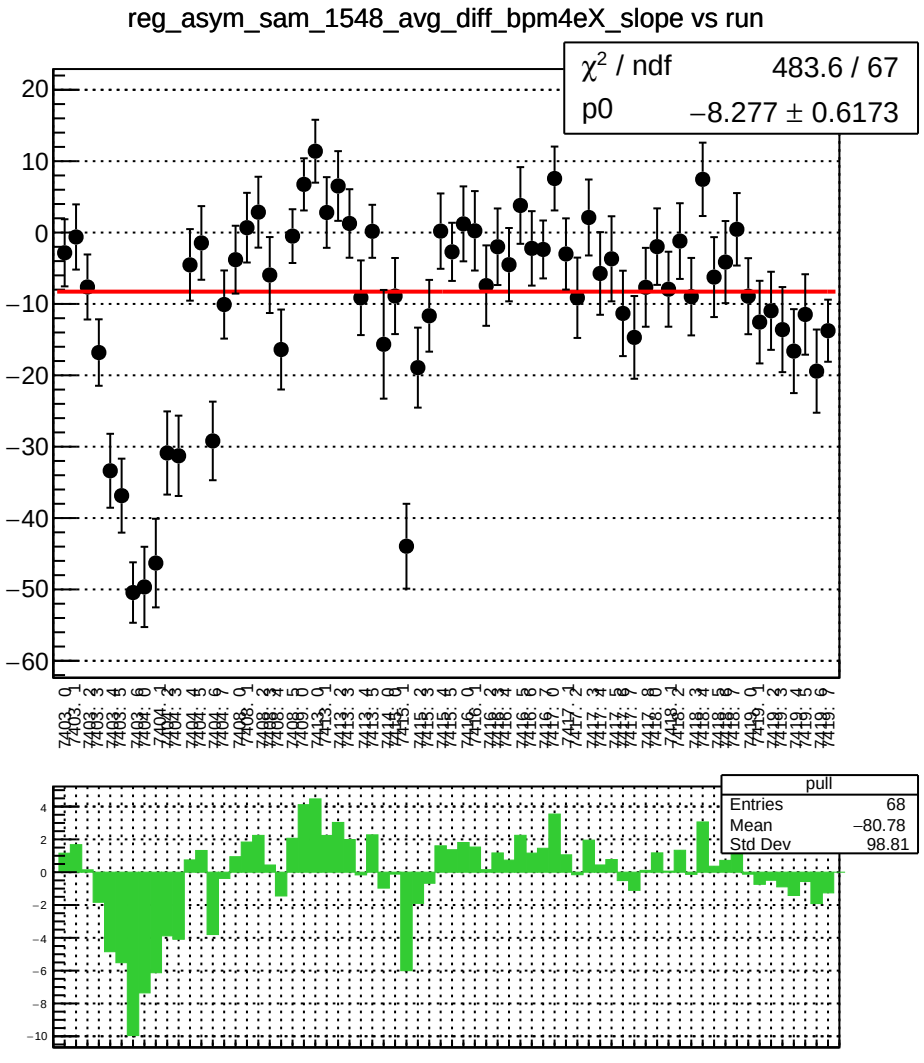

pull1D
Entries 68
Mean 0.004613
Std Dev 1.581

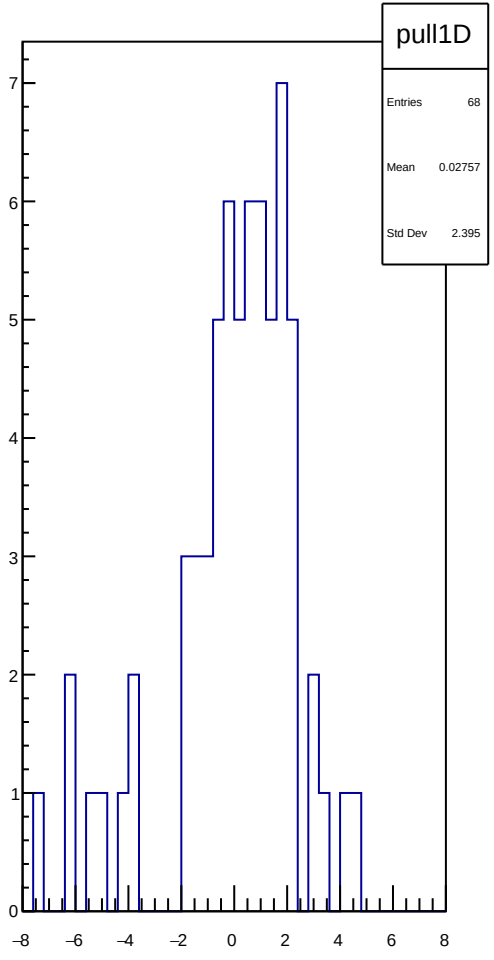

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 35.46 / 67
p0 0.1878 ± 0.01982
pull
Entries 68
Mean 435.5
Std Dev 402.3

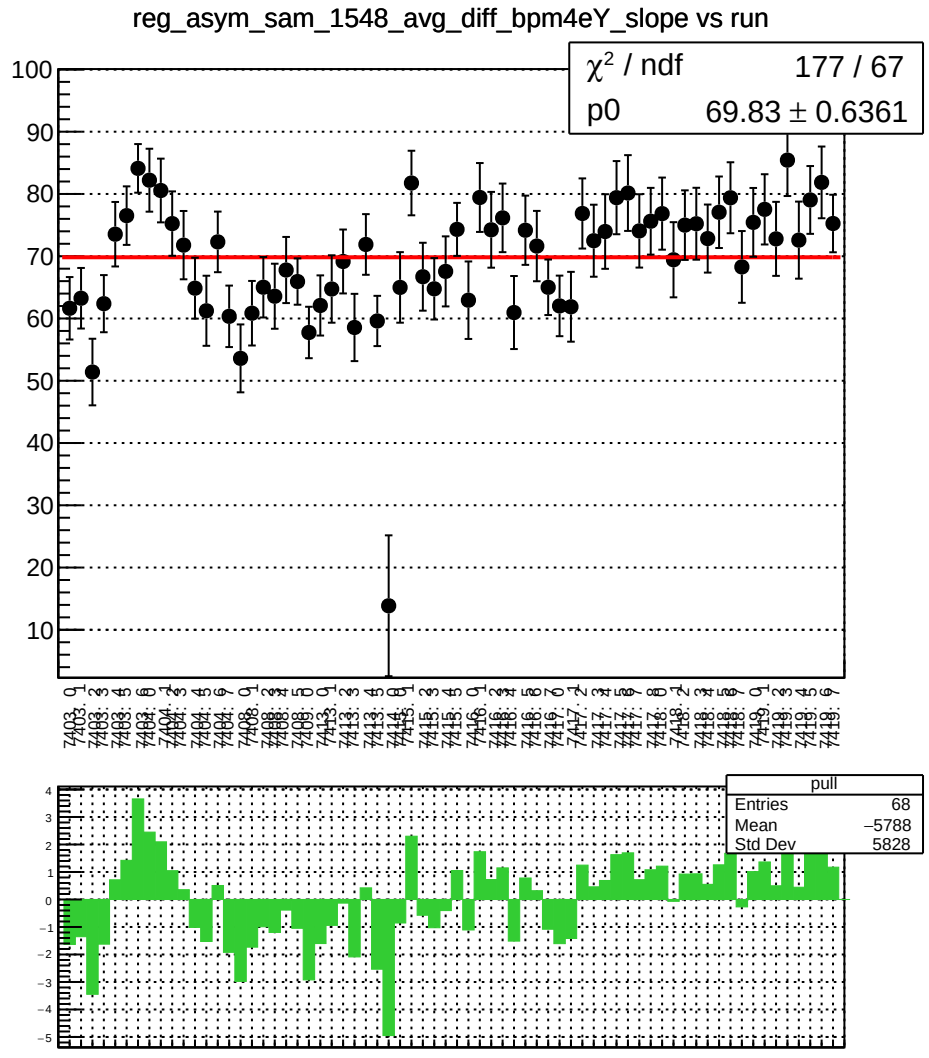

pull1D
Entries 68
Mean −0.03005
Std Dev 0.7215

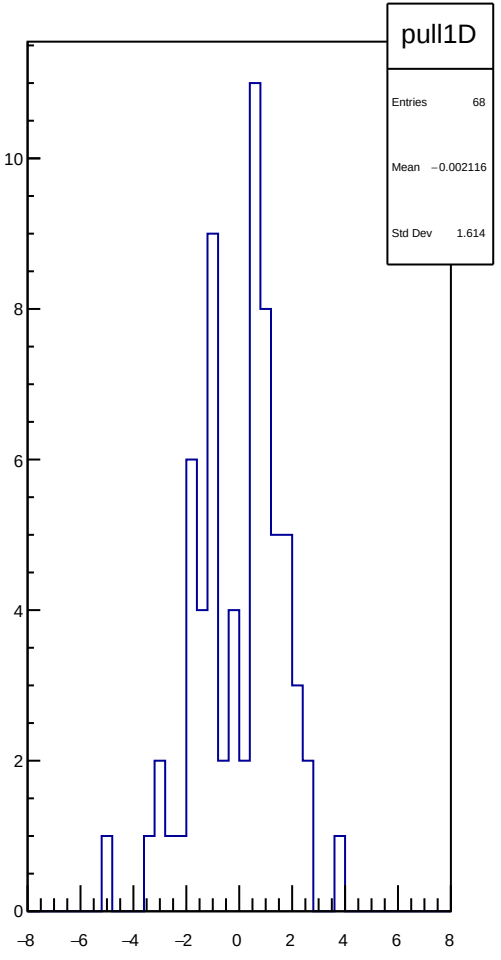

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 654.8 / 67
p0 −43.78 ± 0.5939
pull
Entries 68
Mean −301.8
Std Dev 328.4
pull1D
Entries 68
Mean −0.2208
Std Dev 2.586

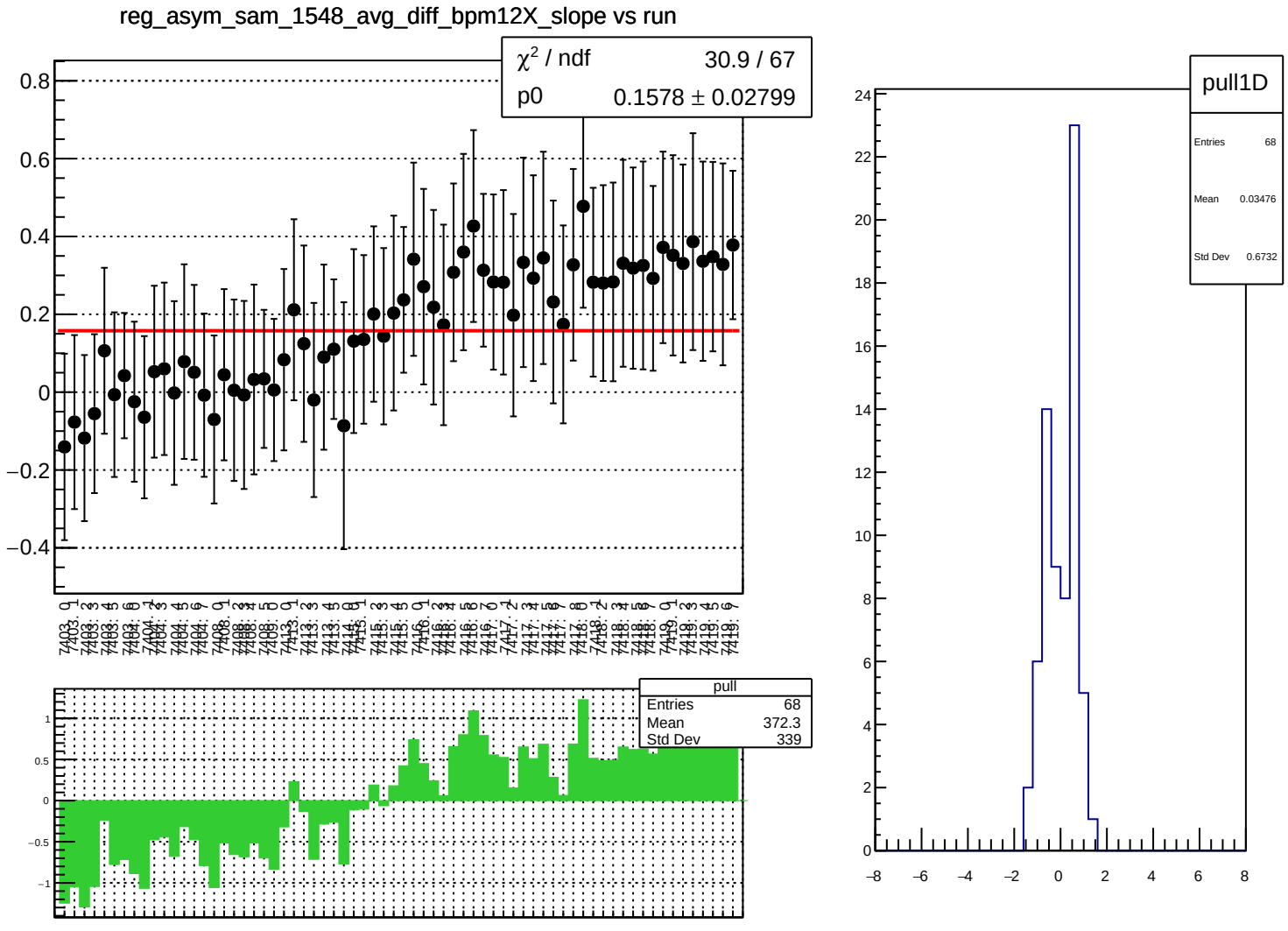

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 293.1 / 67
p0 16.29 ± 0.6012
pull
Entries 68
Mean 142.8
Std Dev 113
pull1D
Entries 68
Mean 0.1314
Std Dev 2.072

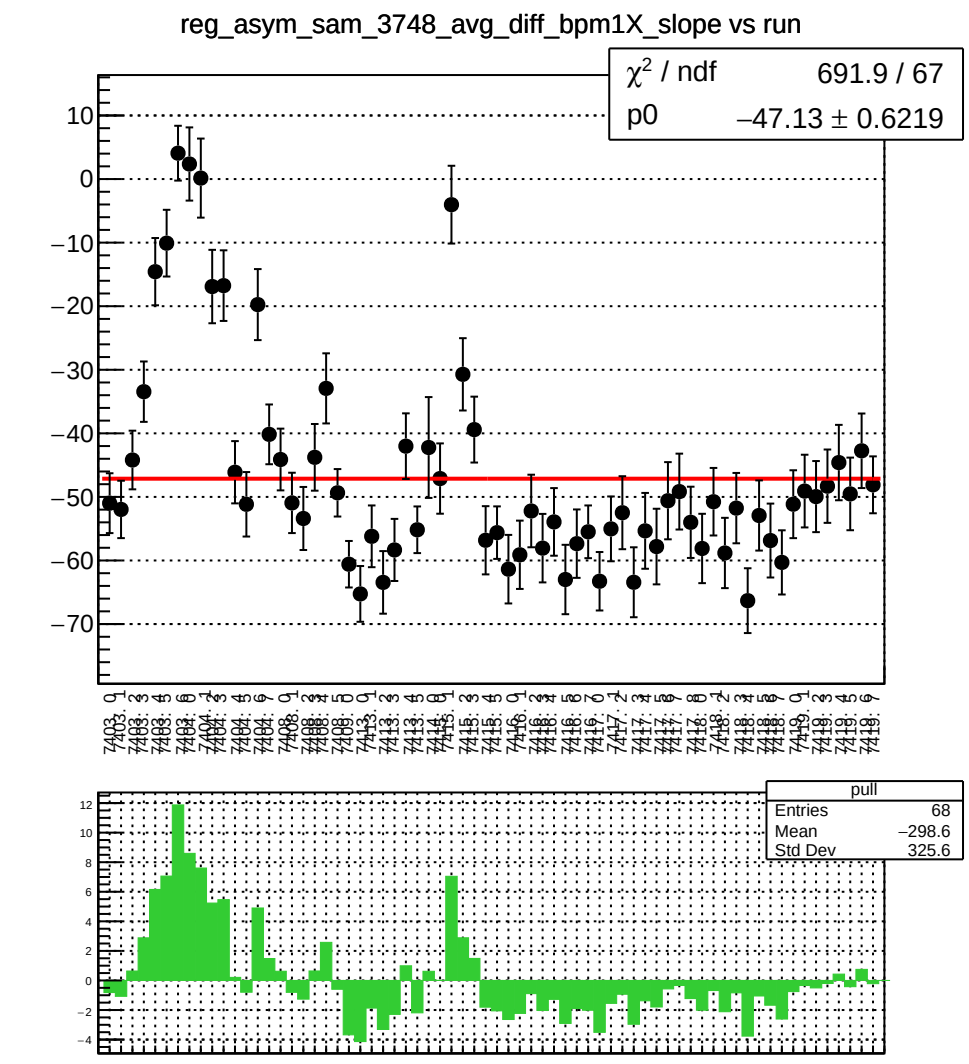

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 483.6 / 67
p0 −8.277 ± 0.6173
pull
Entries 68
Mean −80.78
Std Dev 98.81

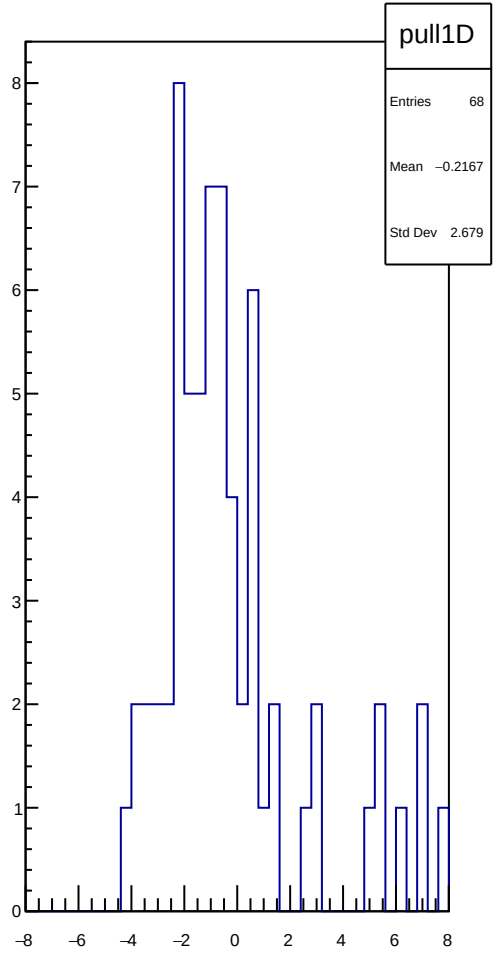

pull1D
Entries 68
Mean 0.02757
Std Dev 2.395

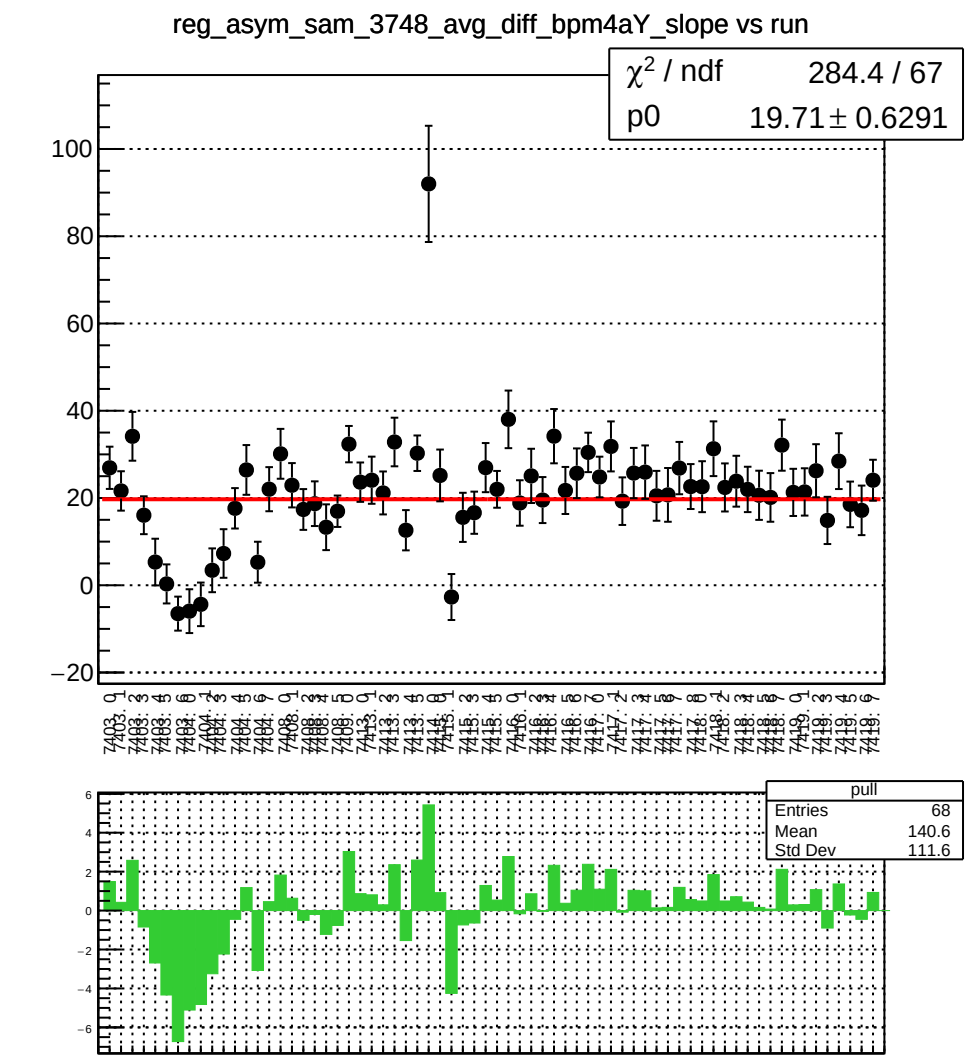

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 177 / 67
p0 69.83 ± 0.6361
pull
Entries 68
Mean −5788
Std Dev 5828

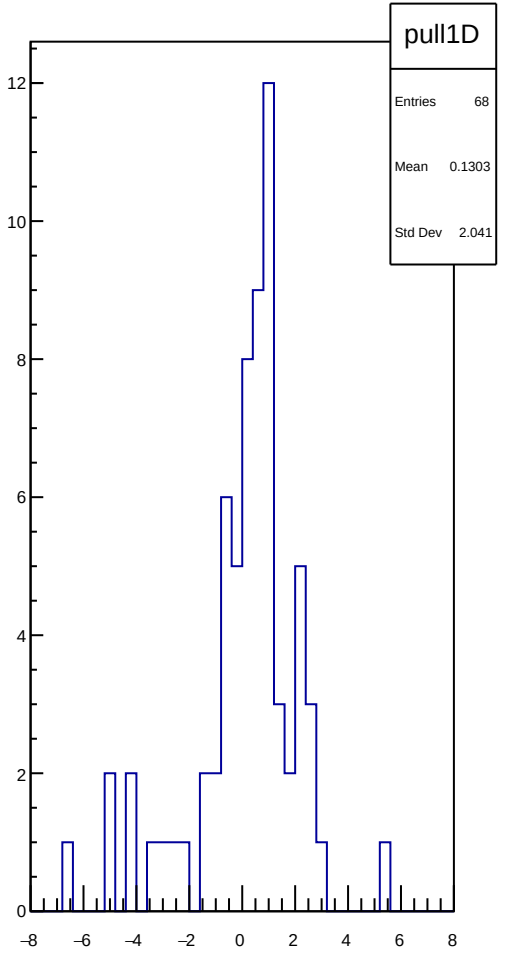

pull1D
Entries 68
Mean −0.002116
Std Dev 1.614

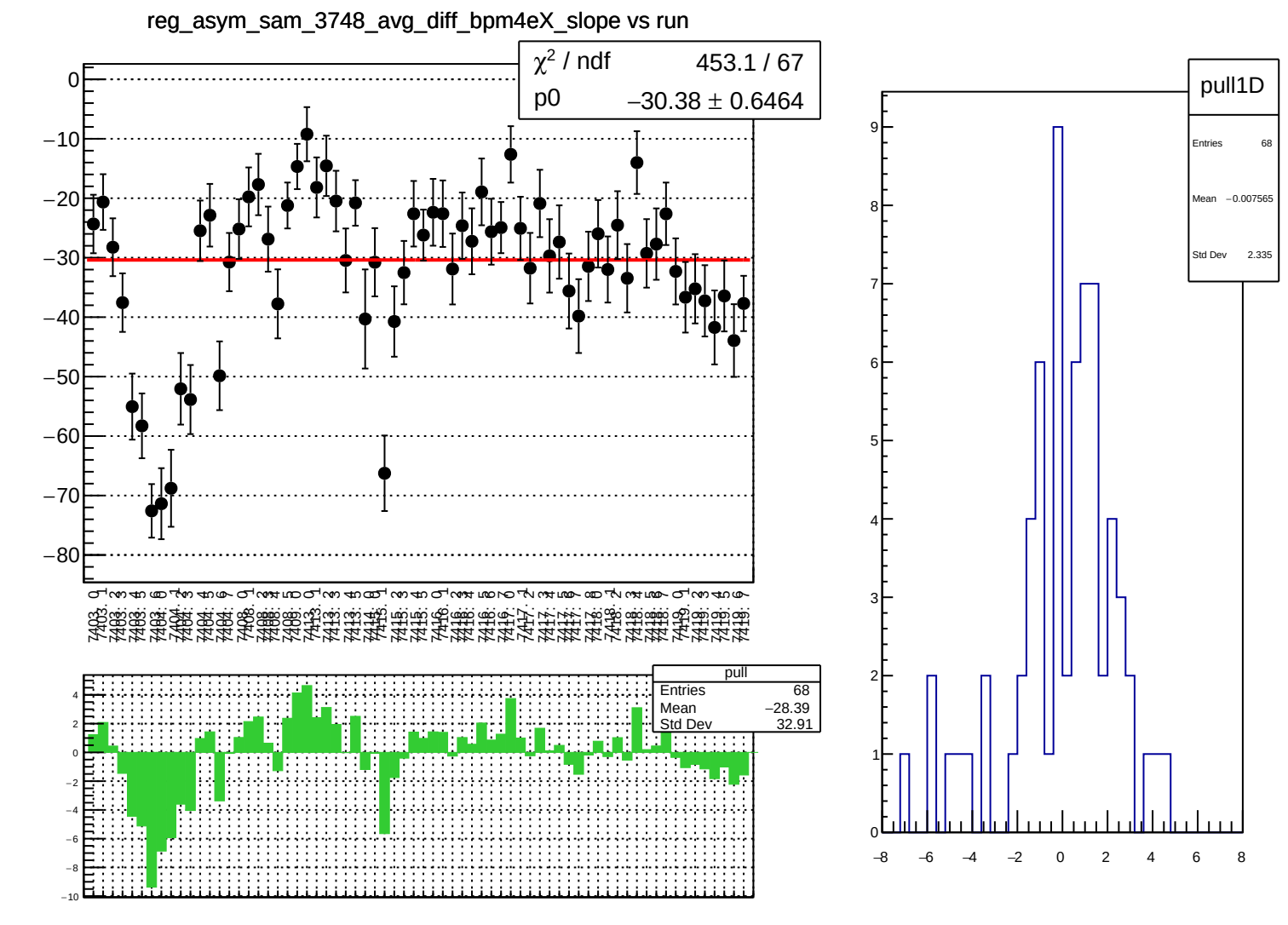

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 30.9 / 67
p0 0.1578 ± 0.02799
pull
Entries 68
Mean 372.3
Std Dev 339
pull1D
Entries 68
Mean 0.03476
Std Dev 0.6732

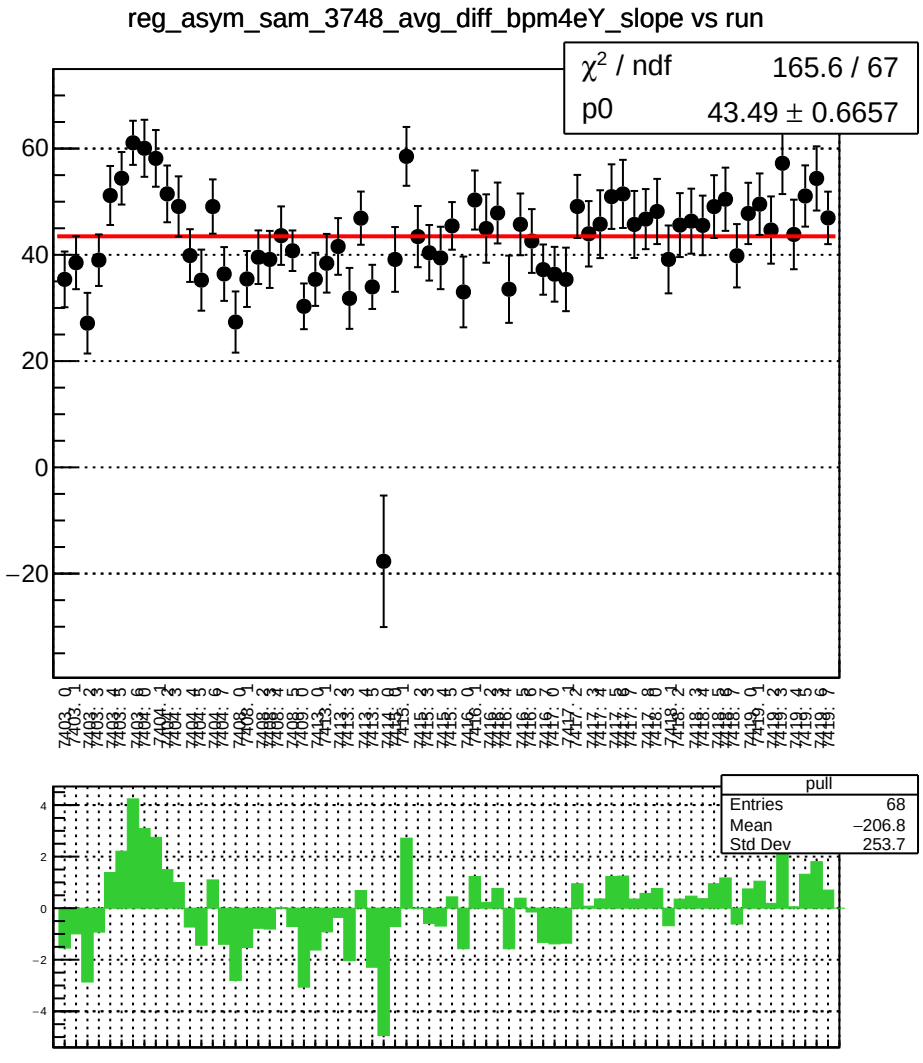

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 691.9 / 67
p0 −47.13 ± 0.6219
pull
Entries 68
Mean −298.6
Std Dev 325.6

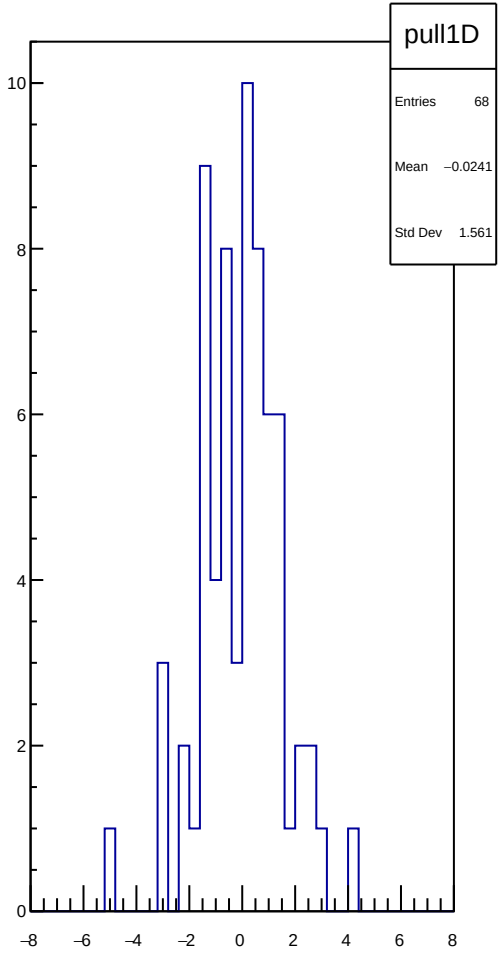

pull1D
Entries 68
Mean −0.2167
Std Dev 2.679

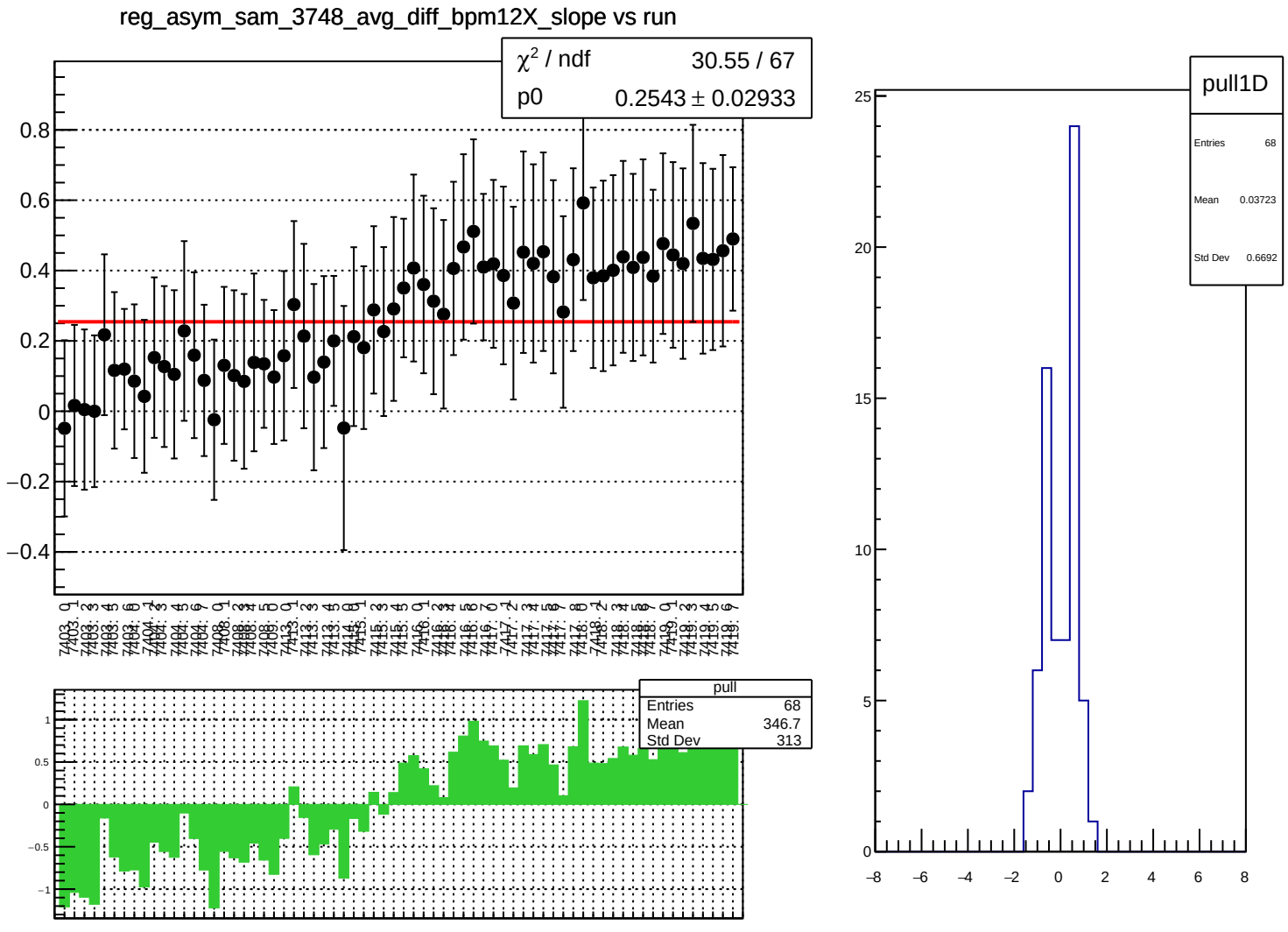

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 284.4 / 67
p0 19.71 ± 0.6291
pull
Entries 68
Mean 140.6
Std Dev 111.6

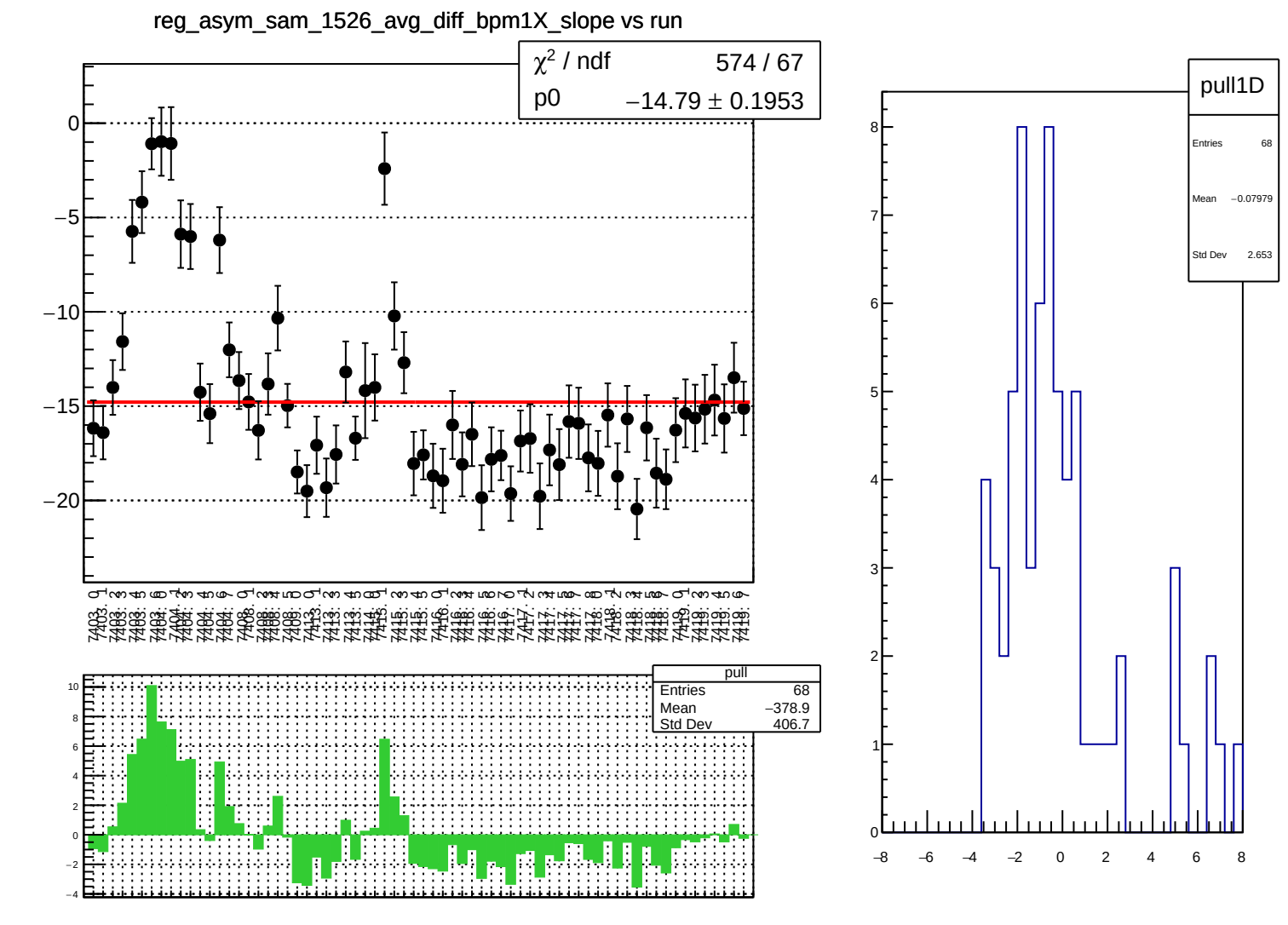

pull1D
Entries 68
Mean 0.1303
Std Dev 2.041

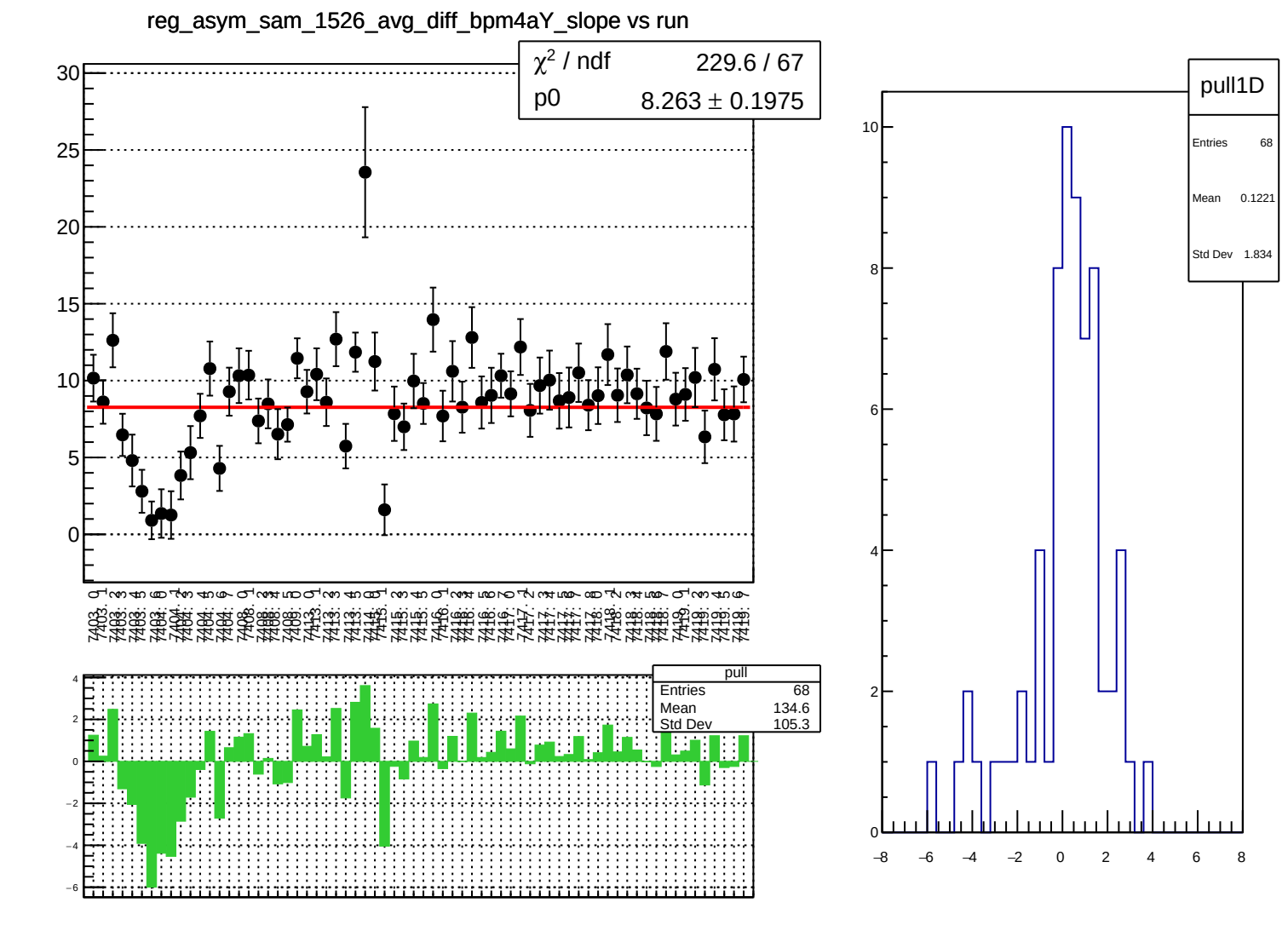

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 453.1 / 67
p0 −30.38 ± 0.6464
pull
Entries 68
Mean −28.39
Std Dev 32.91
pull1D
Entries 68
Mean −0.007565
Std Dev 2.335

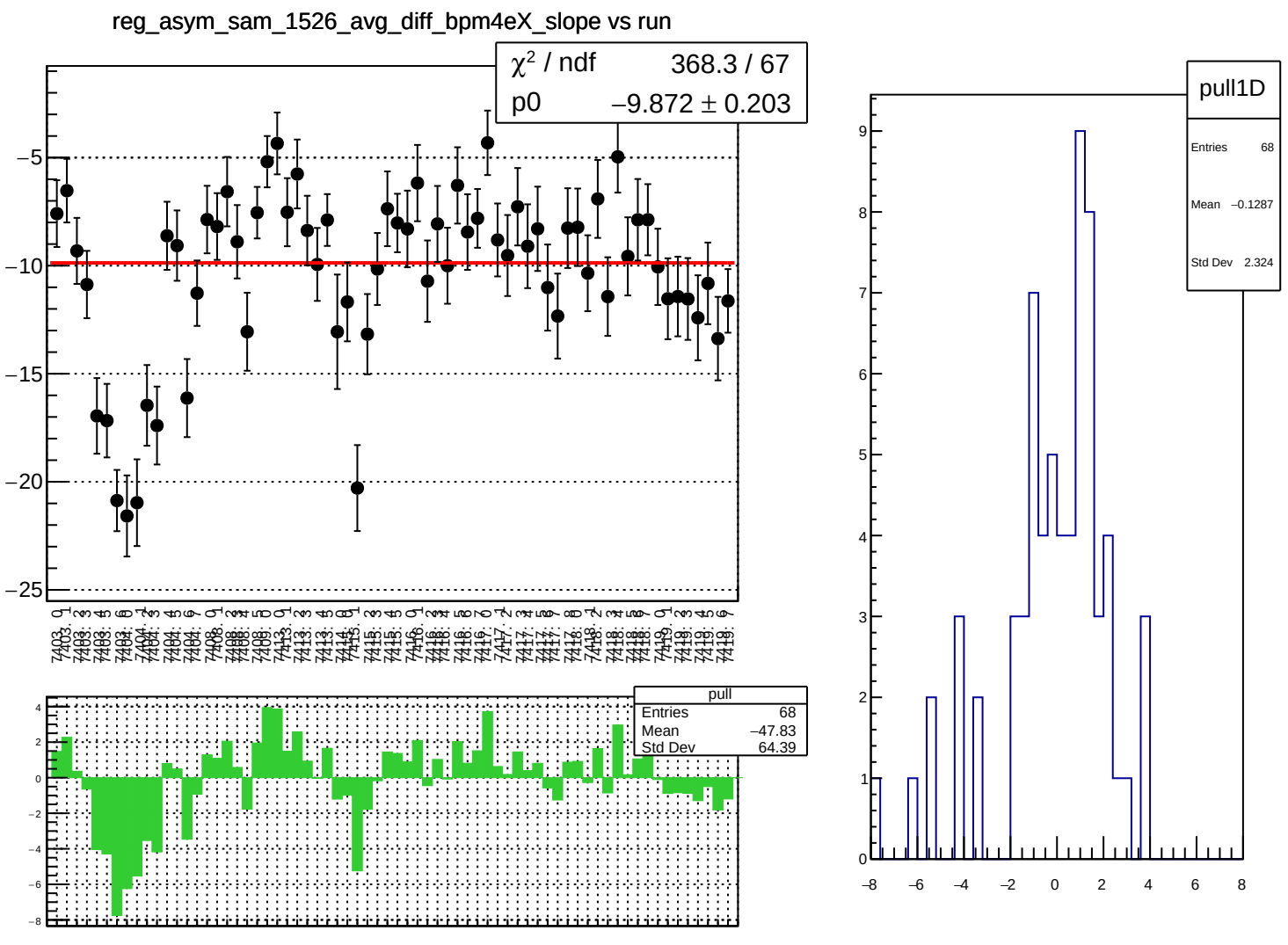

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 165.6 / 67
p0 43.49 ± 0.6657
pull
Entries 68
Mean −206.8
Std Dev 253.7

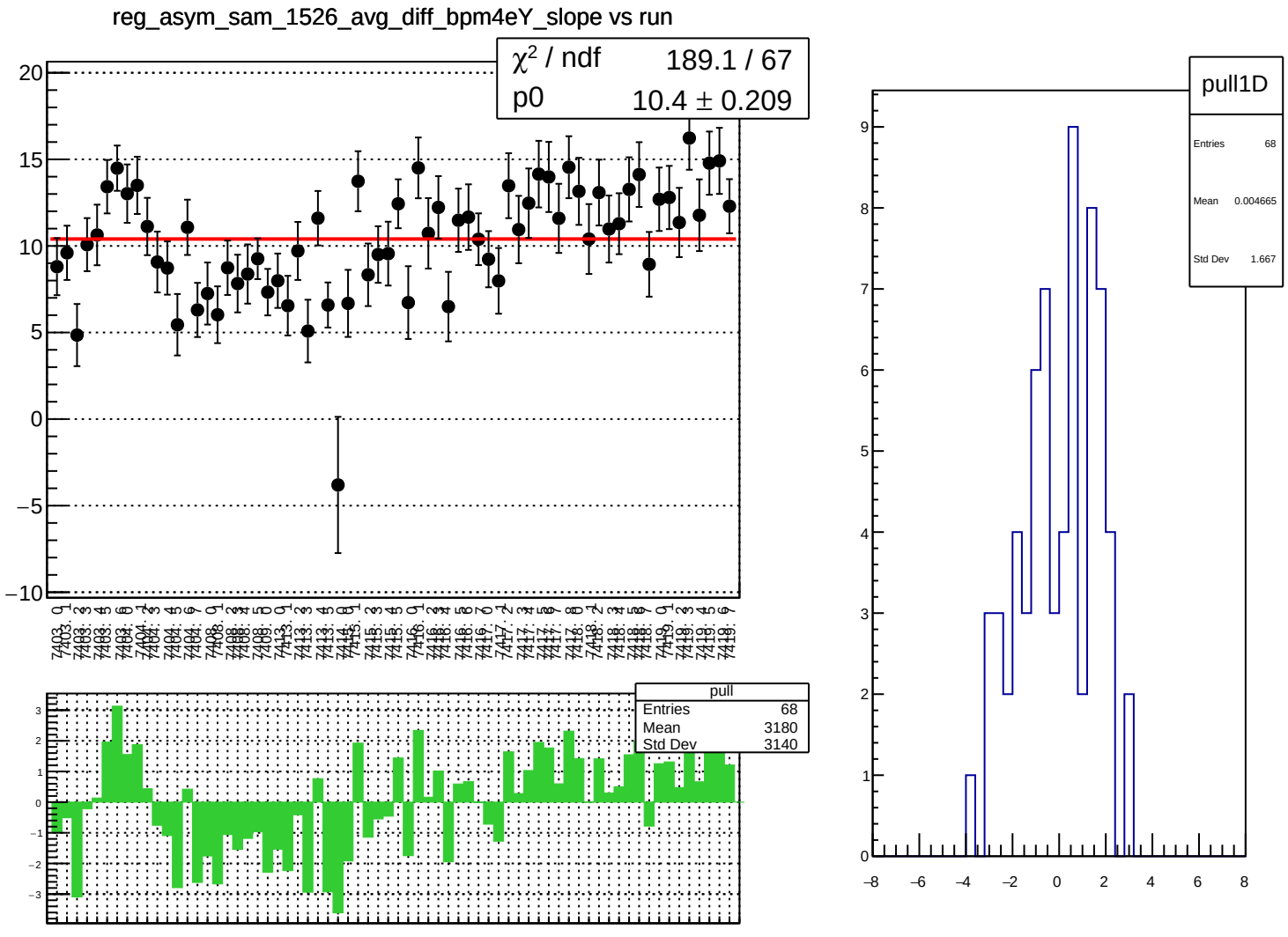

pull1D
Entries 68
Mean −0.0241
Std Dev 1.561

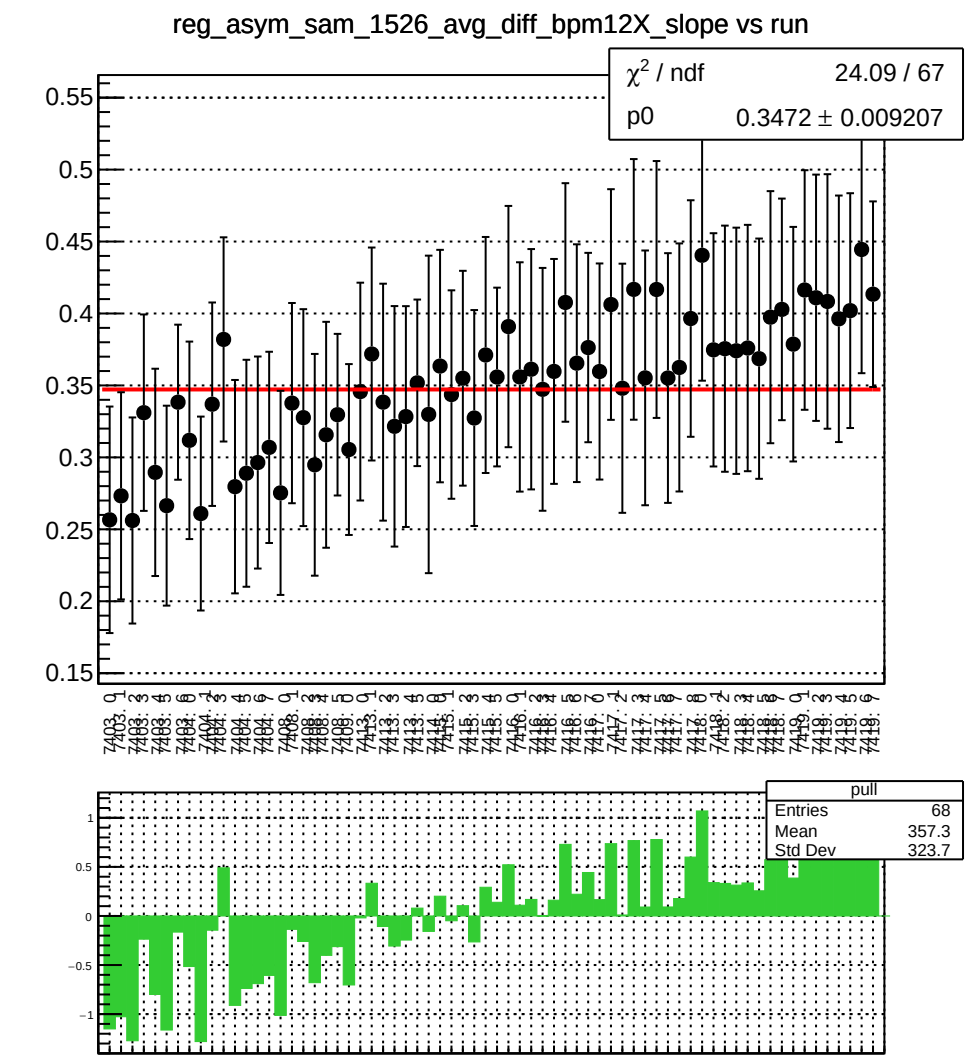

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 30.55 / 67
p0 0.2543 ± 0.02933
pull
Entries 68
Mean 346.7
Std Dev 313
pull1D
Entries 68
Mean 0.03723
Std Dev 0.6692

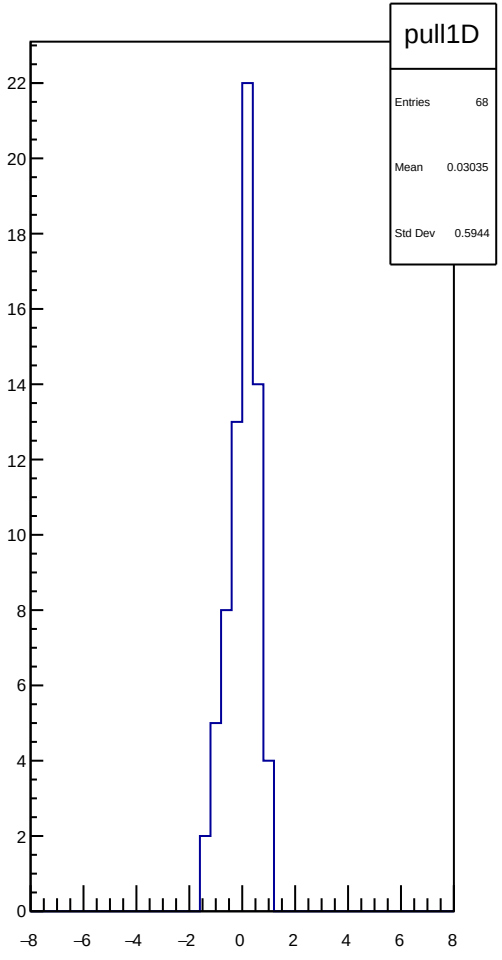

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 574 / 67
p0 −14.79 ± 0.1953
pull
Entries 68
Mean −378.9
Std Dev 406.7
pull1D
Entries 68
Mean −0.07979
Std Dev 2.653

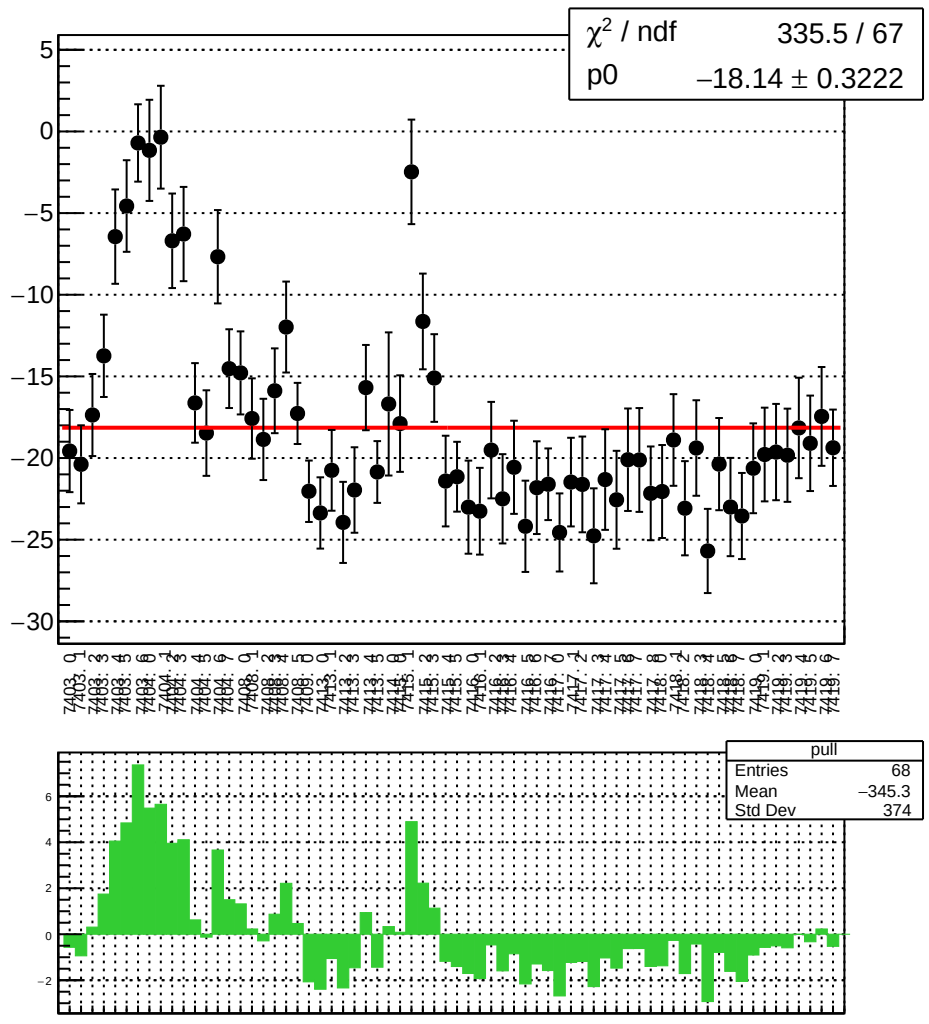

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 229.6 / 67
p0 8.263 ± 0.1975
pull
Entries 68
Mean 134.6
Std Dev 105.3
pull1D
Entries 68
Mean 0.1221
Std Dev 1.834

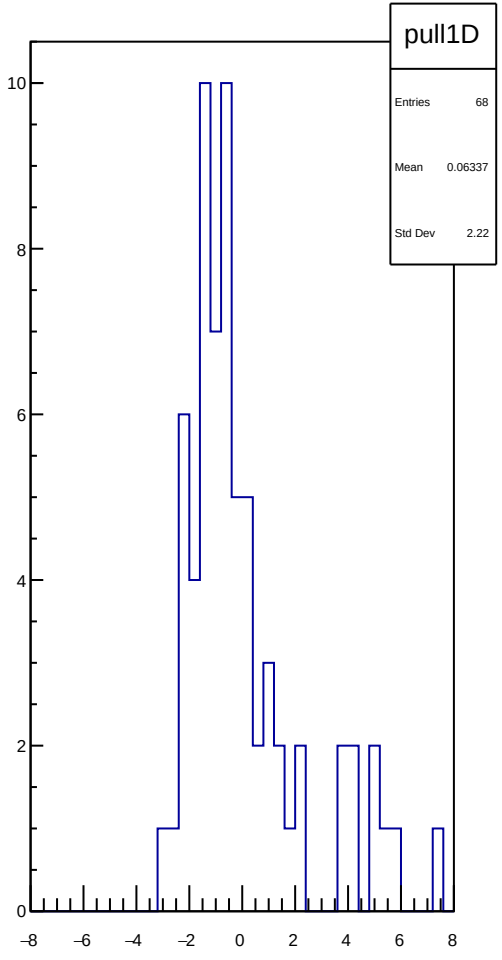

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 368.3 / 67
p0 −9.872 ± 0.203
pull
Entries 68
Mean −47.83
Std Dev 64.39
pull1D
Entries 68
Mean −0.1287
Std Dev 2.324

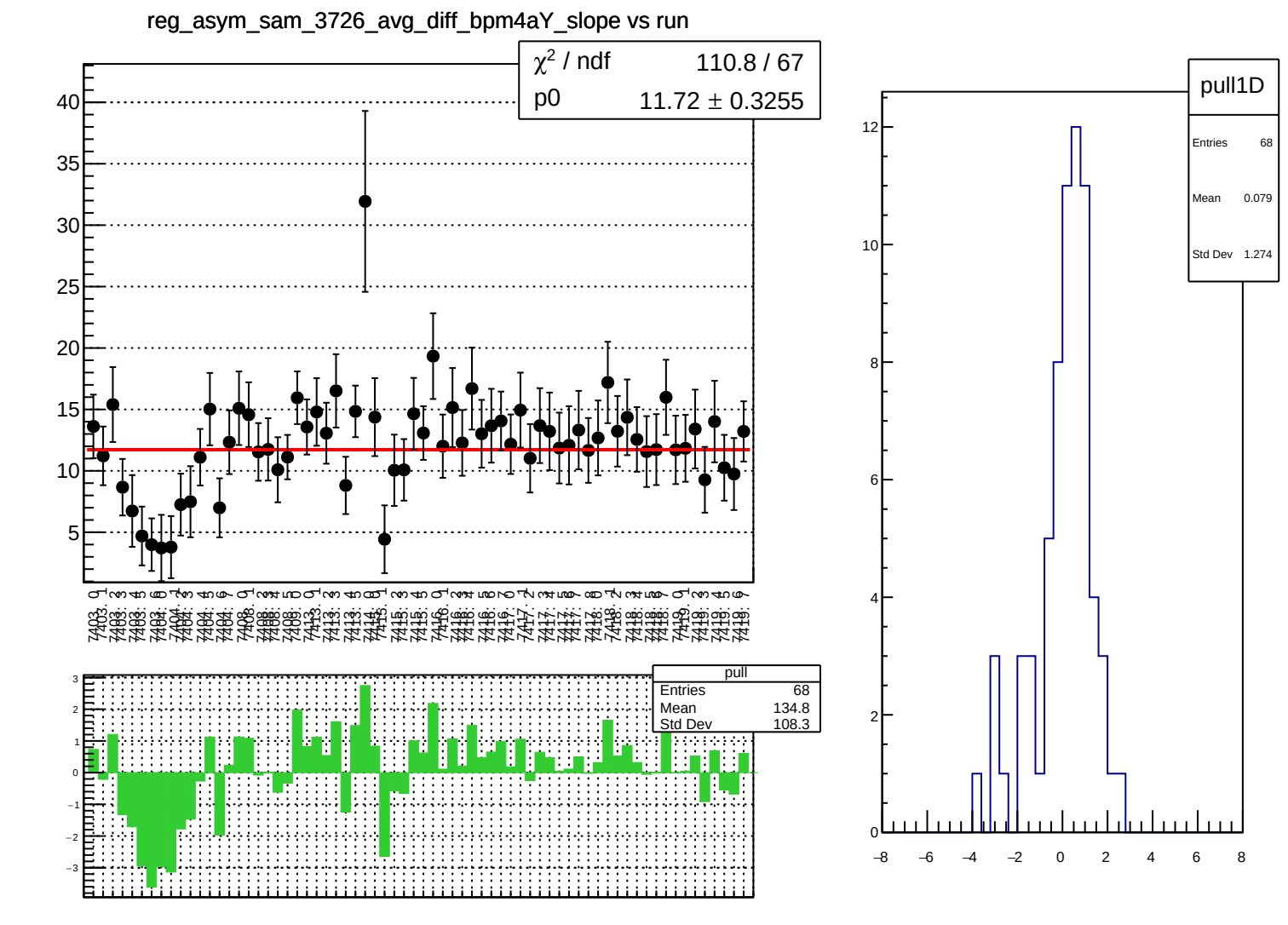

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 189.1 / 67
p0 10.4 ± 0.209
pull
Entries 68
Mean 3180
Std Dev 3140
pull1D
Entries 68
Mean 0.004665
Std Dev 1.667

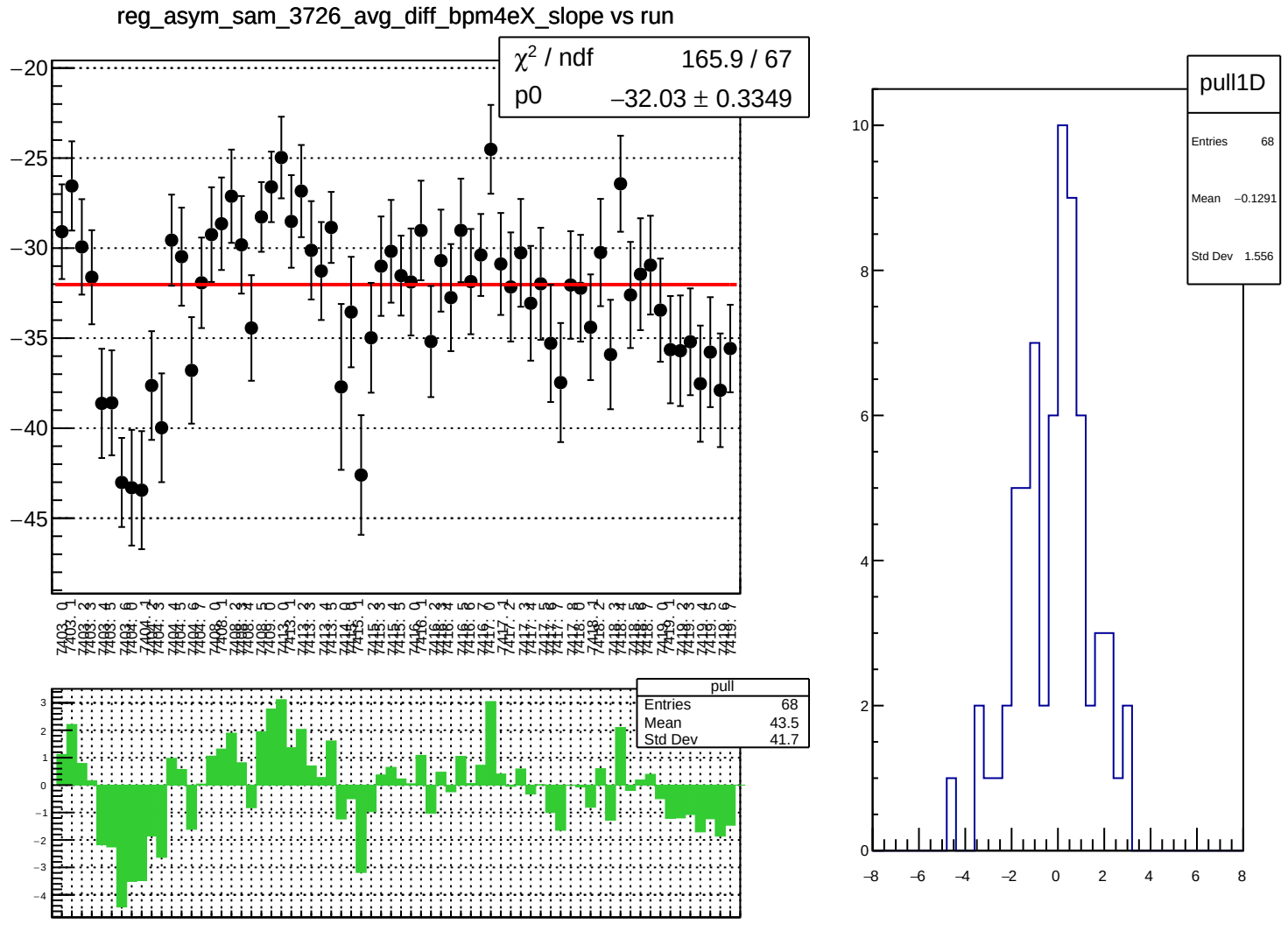

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 24.09 / 67
p0 0.3472 ± 0.009207
pull
Entries 68
Mean 357.3
Std Dev 323.7

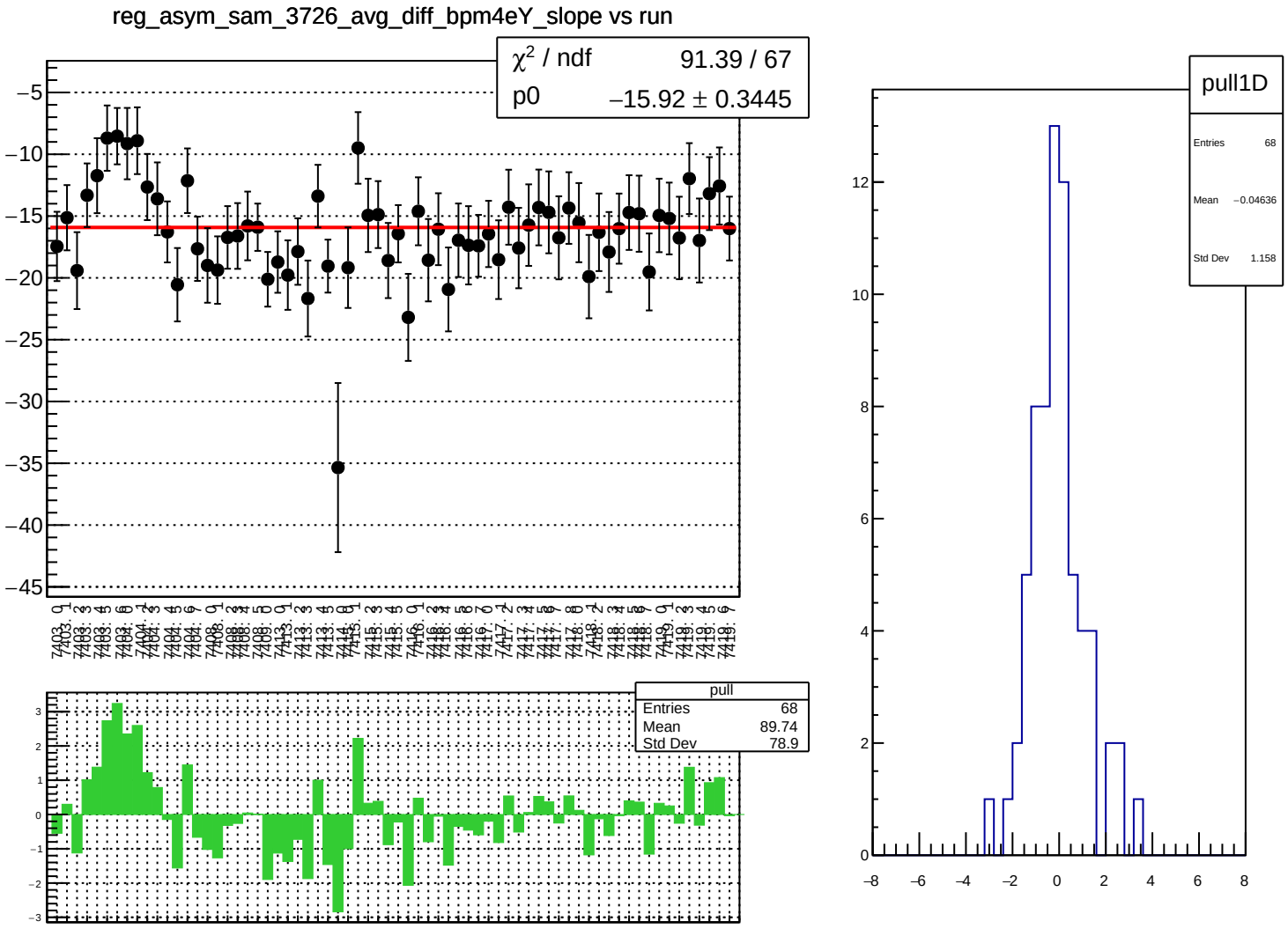

pull1D
Entries 68
Mean 0.03035
Std Dev 0.5944

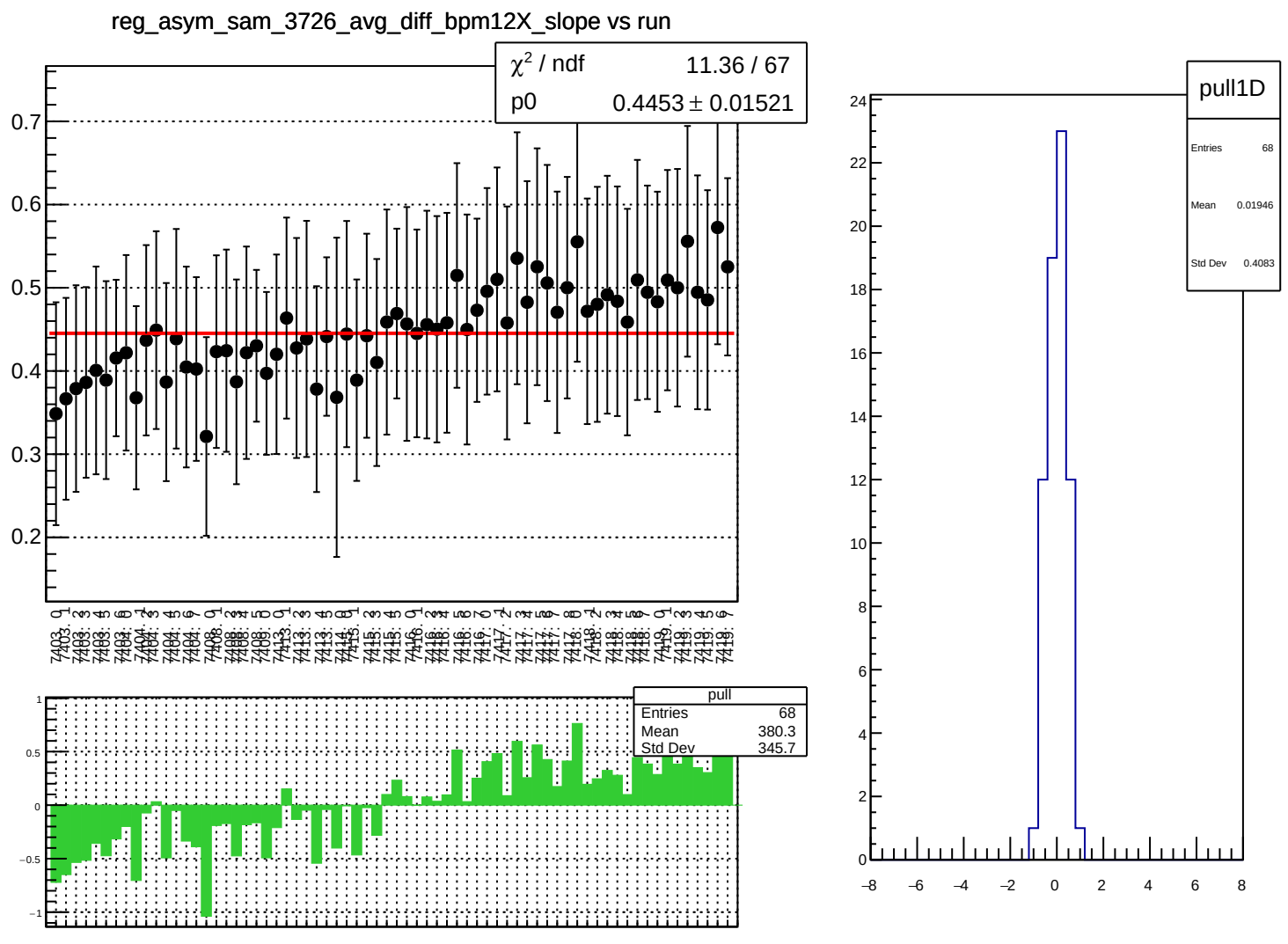

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 335.5 / 67
p0 −18.14 ± 0.3222
pull
Entries 68
Mean −345.3
Std Dev 374

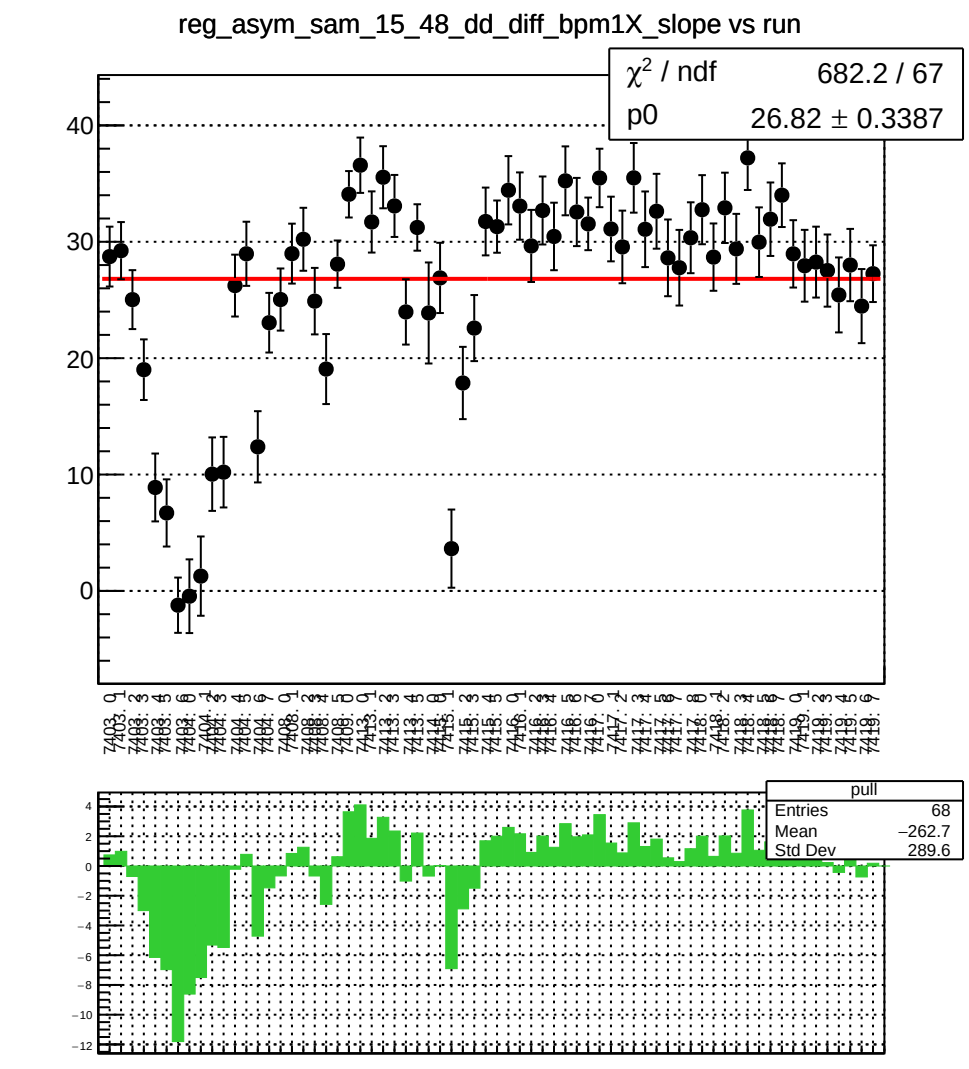

pull1D
Entries 68
Mean 0.06337
Std Dev 2.22

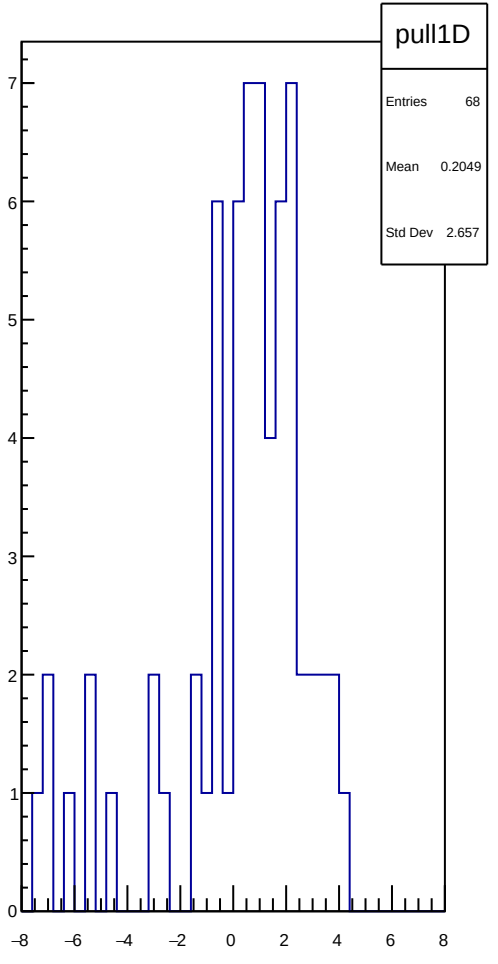

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 110.8 / 67
p0 11.72 ± 0.3255
pull
Entries 68
Mean 134.8
Std Dev 108.3
pull1D
Entries 68
Mean 0.079
Std Dev 1.274

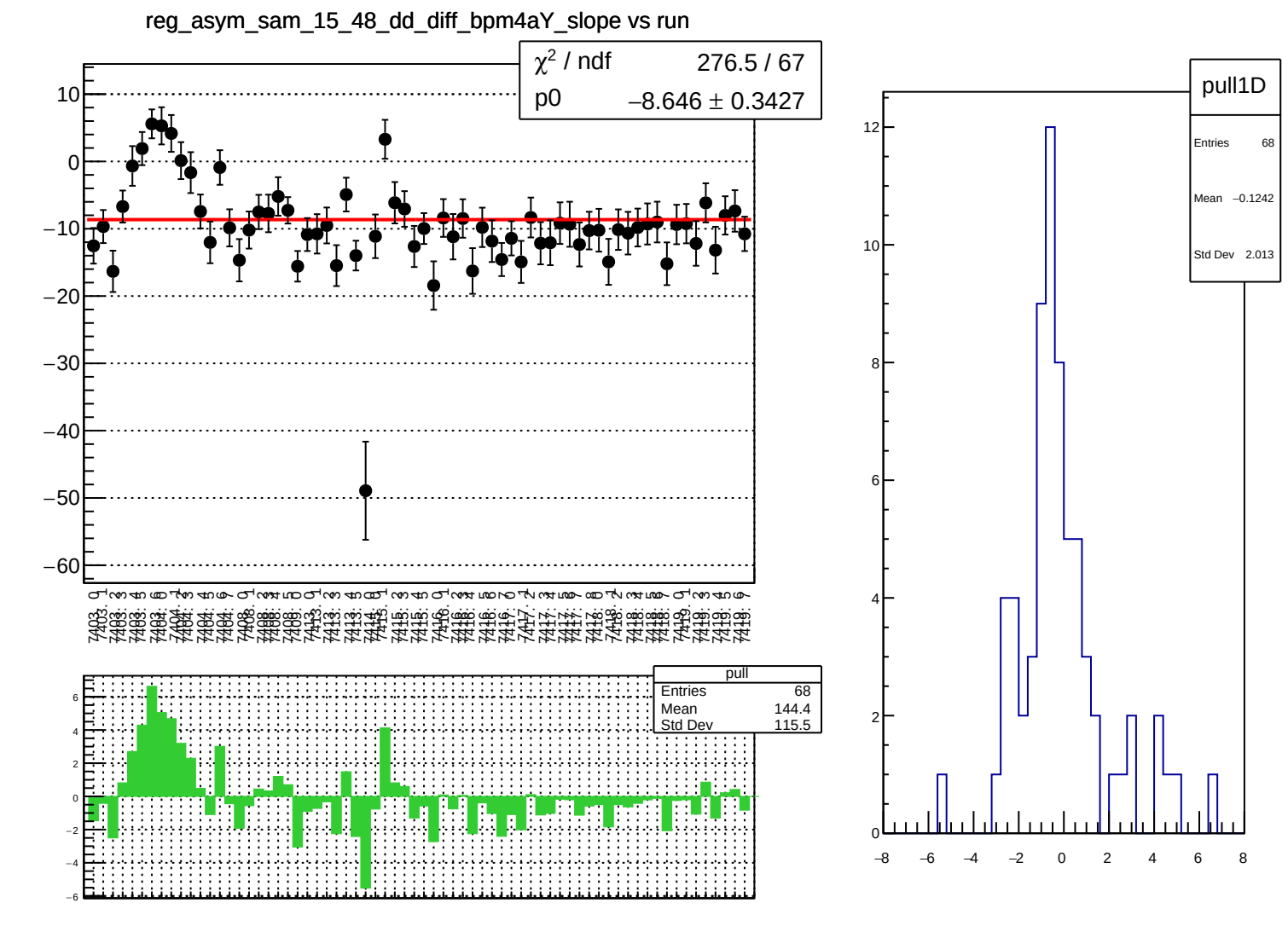

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 165.9 / 67
p0 −32.03 ± 0.3349
pull
Entries 68
Mean 43.5
Std Dev 41.7
pull1D
Entries 68
Mean −0.1291
Std Dev 1.556

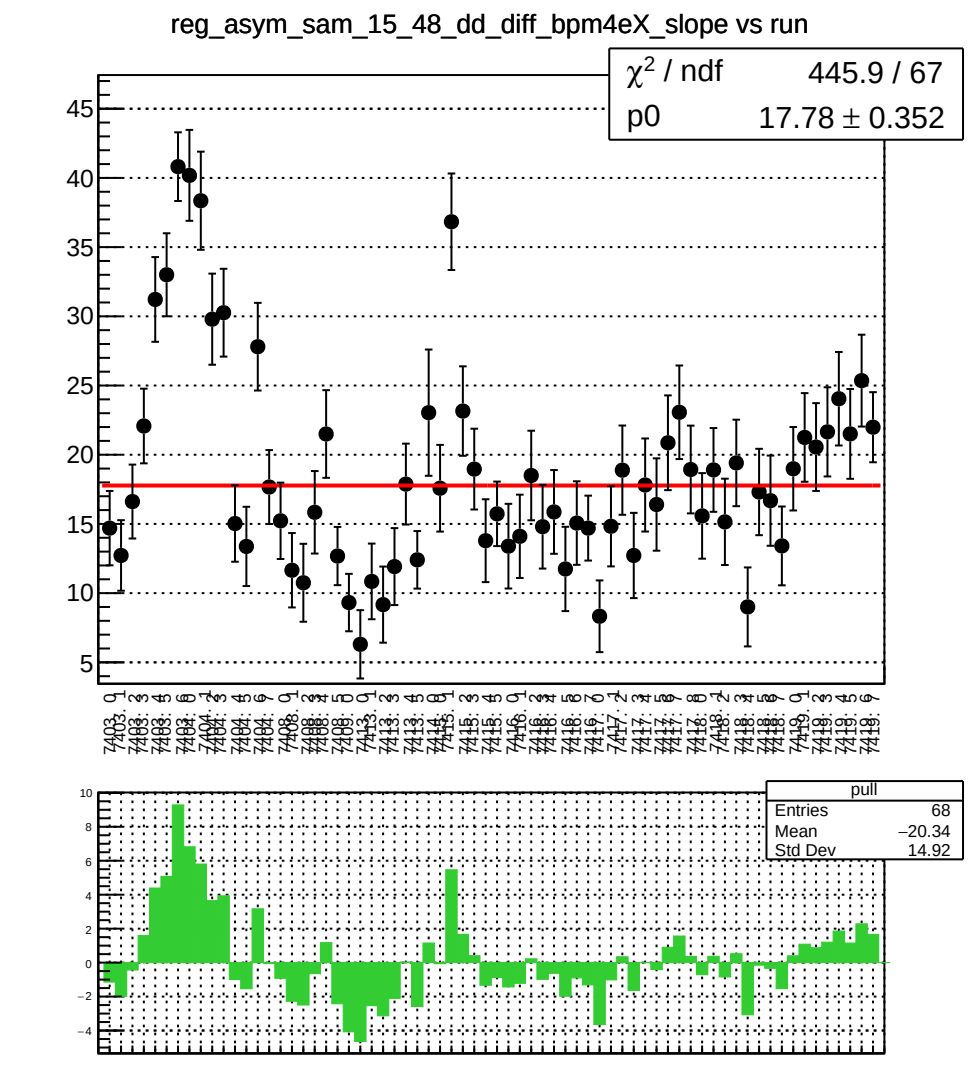

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 91.39 / 67
p0 −15.92 ± 0.3445
pull
Entries 68
Mean 89.74
Std Dev 78.9
pull1D
Entries 68
Mean −0.04636
Std Dev 1.158

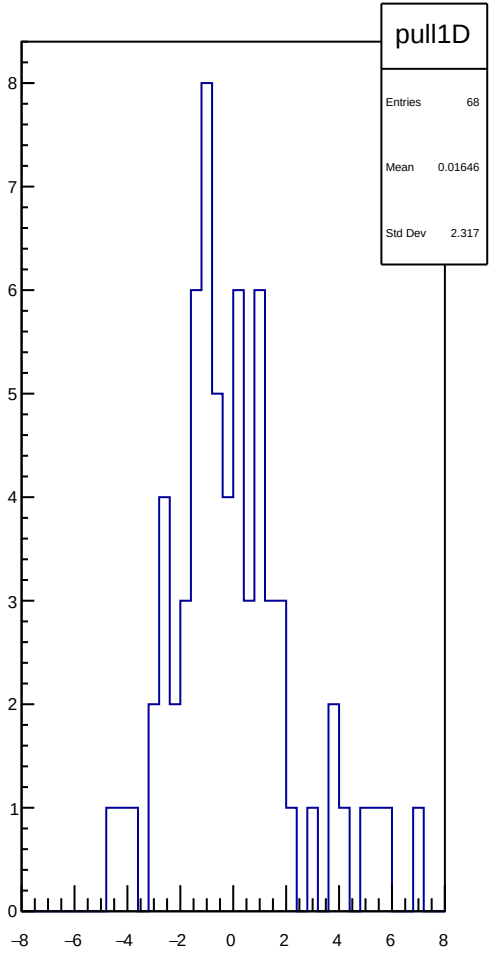

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 11.36 / 67
p0 0.4453 ± 0.01521
pull
Entries 68
Mean 380.3
Std Dev 345.7
pull1D
Entries 68
Mean 0.01946
Std Dev 0.4083

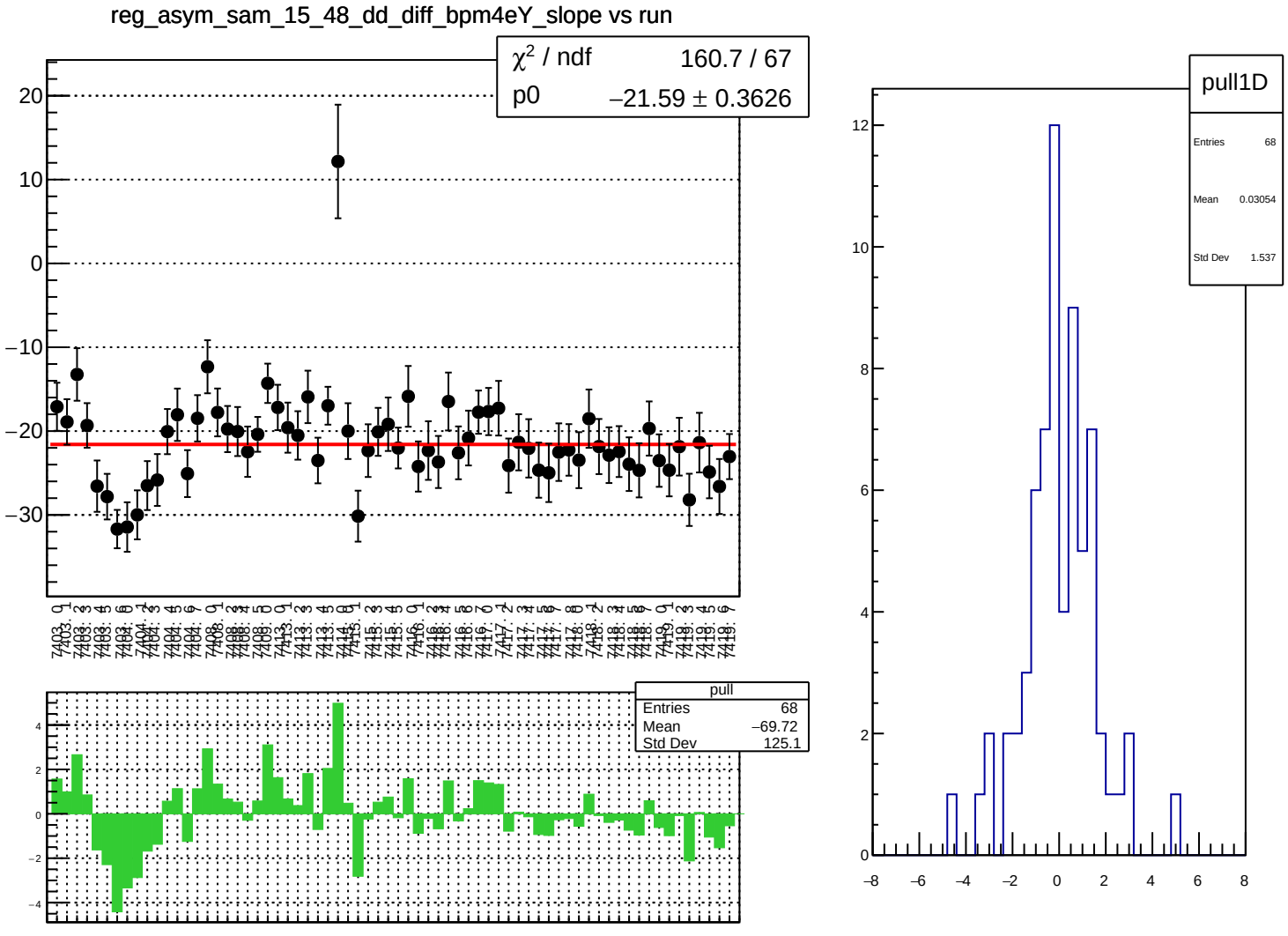

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 682.2 / 67
p0 26.82 ± 0.3387
pull
Entries 68
Mean −262.7
Std Dev 289.6


pull1D
Entries 68
Mean 0.2049
Std Dev 2.657

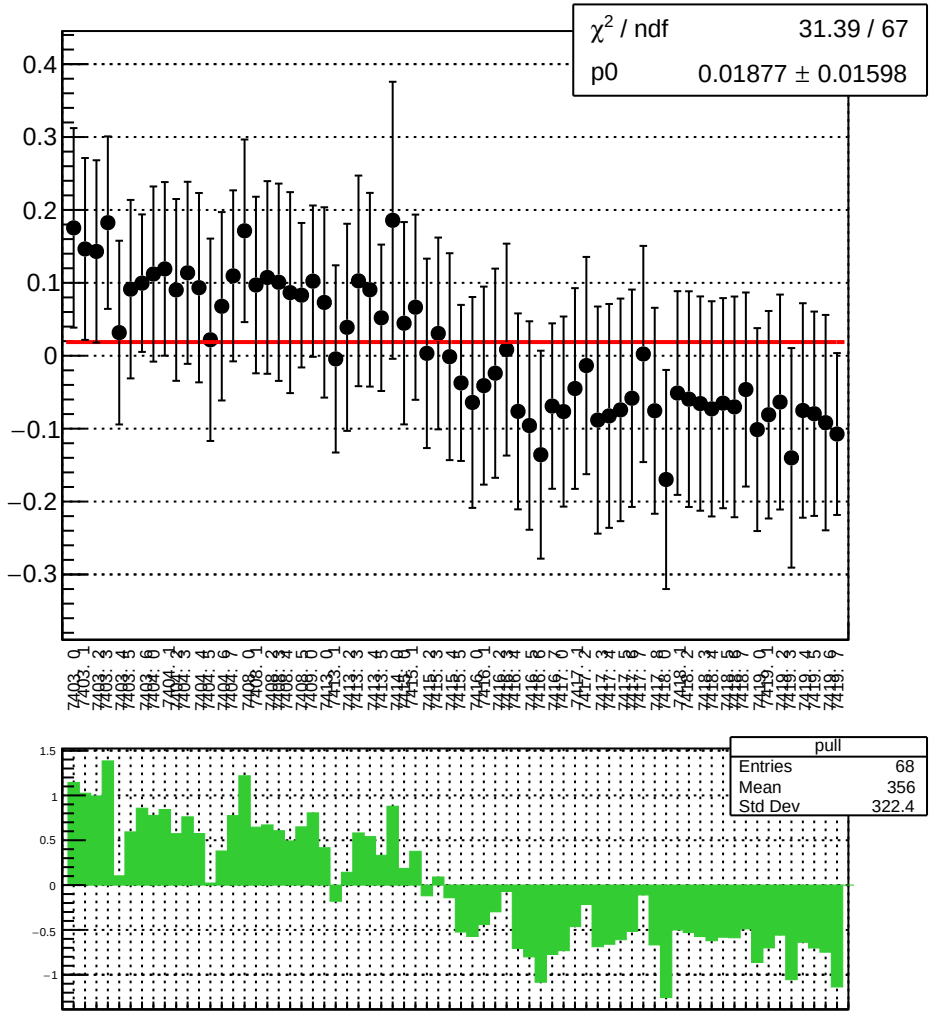

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 276.5 / 67
p0 −8.646 ± 0.3427
pull
Entries 68
Mean 144.4
Std Dev 115.5
pull1D
Entries 68
Mean −0.1242
Std Dev 2.013

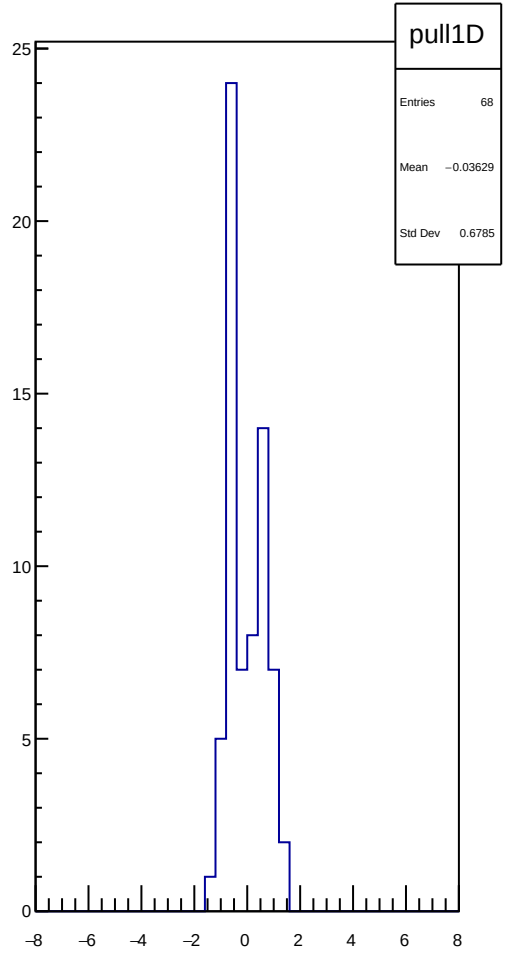

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 445.9 / 67
p0 17.78 ± 0.352
pull
Entries 68
Mean −20.34
Std Dev 14.92

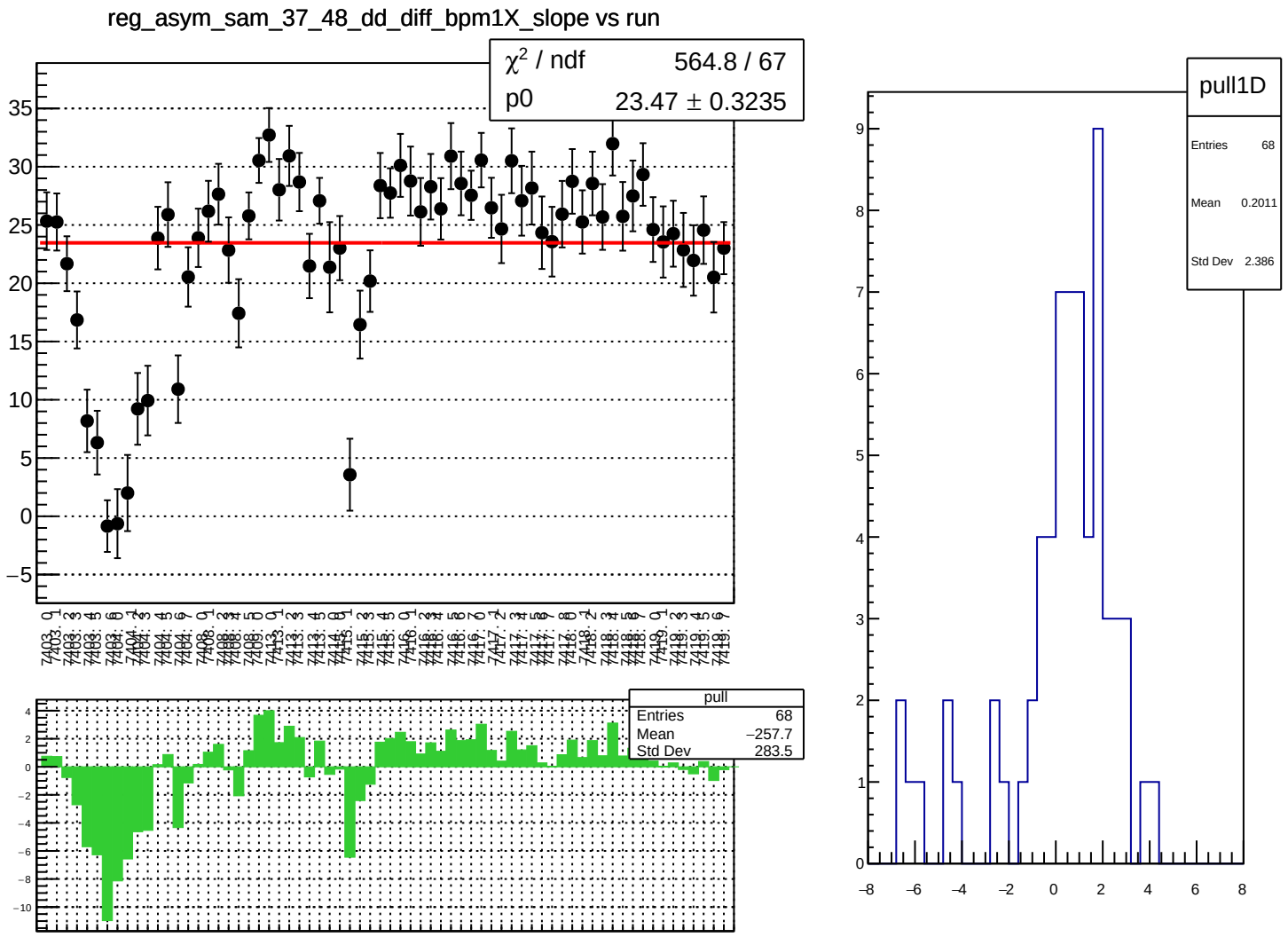

pull1D
Entries 68
Mean 0.01646
Std Dev 2.317

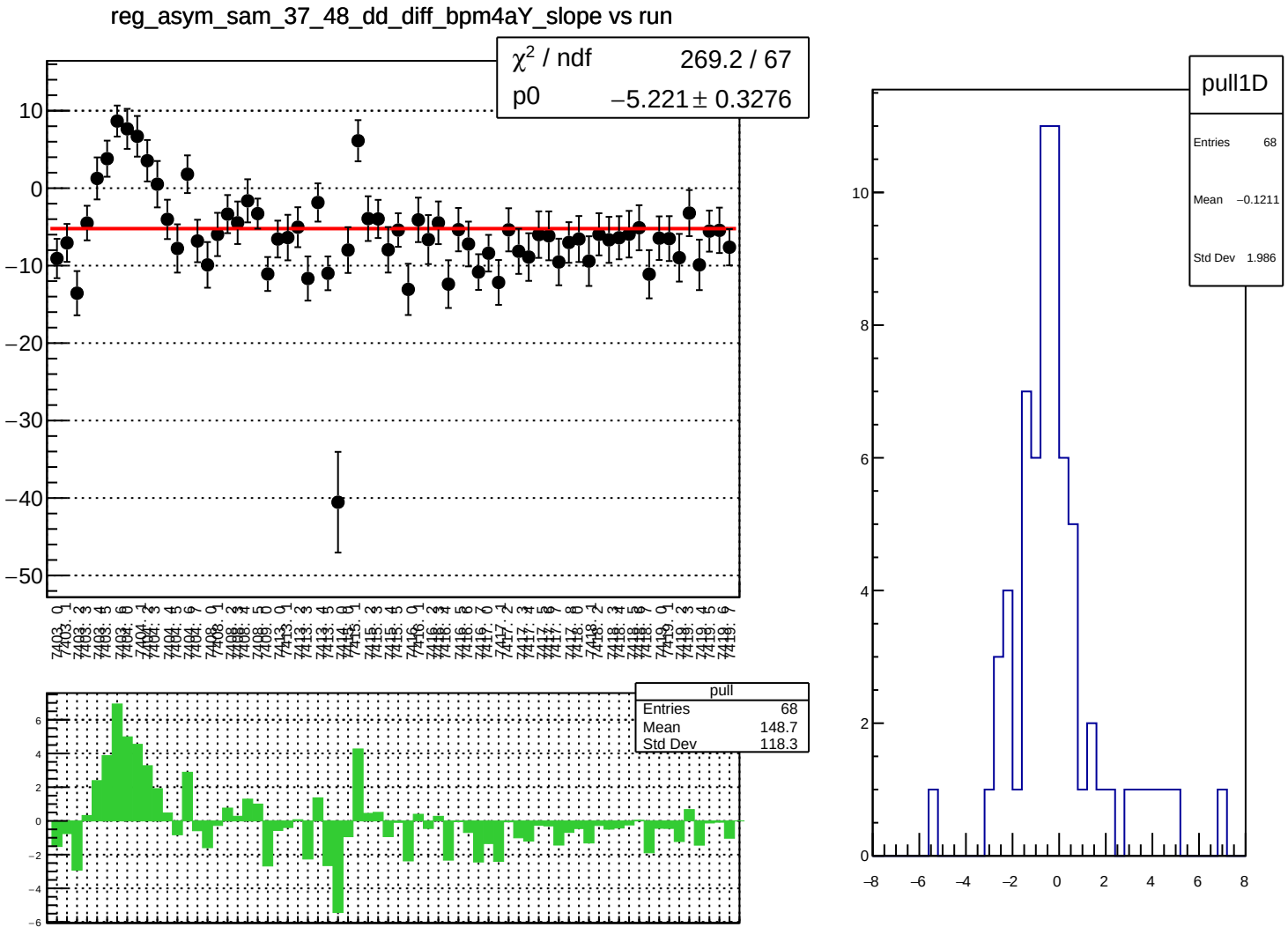

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 160.7 / 67
p0 −21.59 ± 0.3626
pull
Entries 68
Mean −69.72
Std Dev 125.1
pull1D
Entries 68
Mean 0.03054
Std Dev 1.537

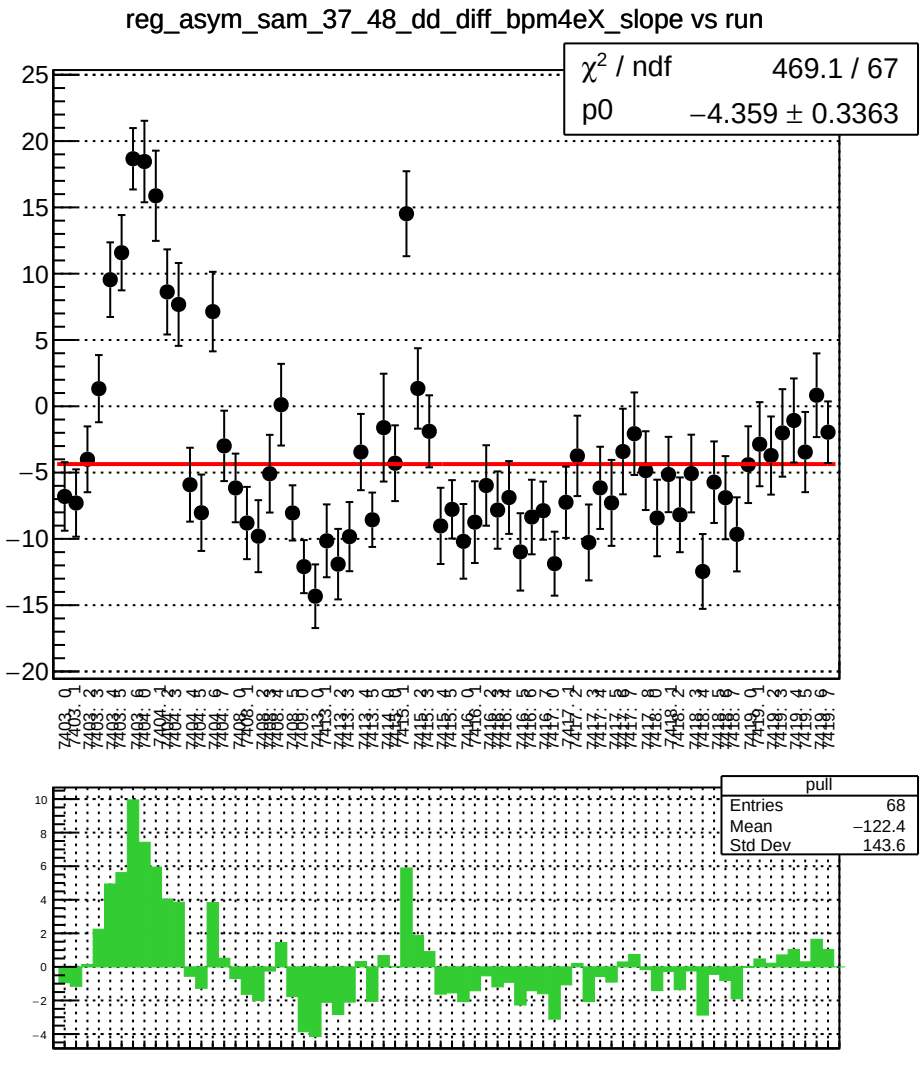
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run

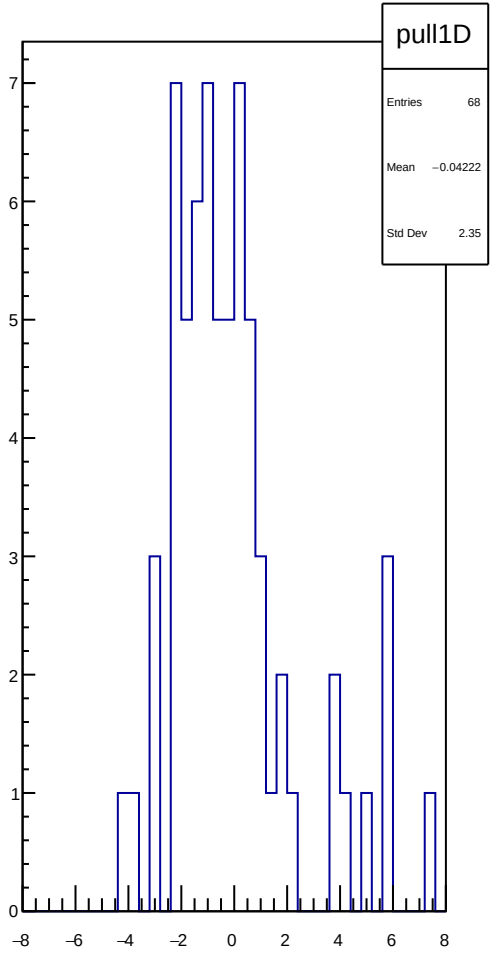


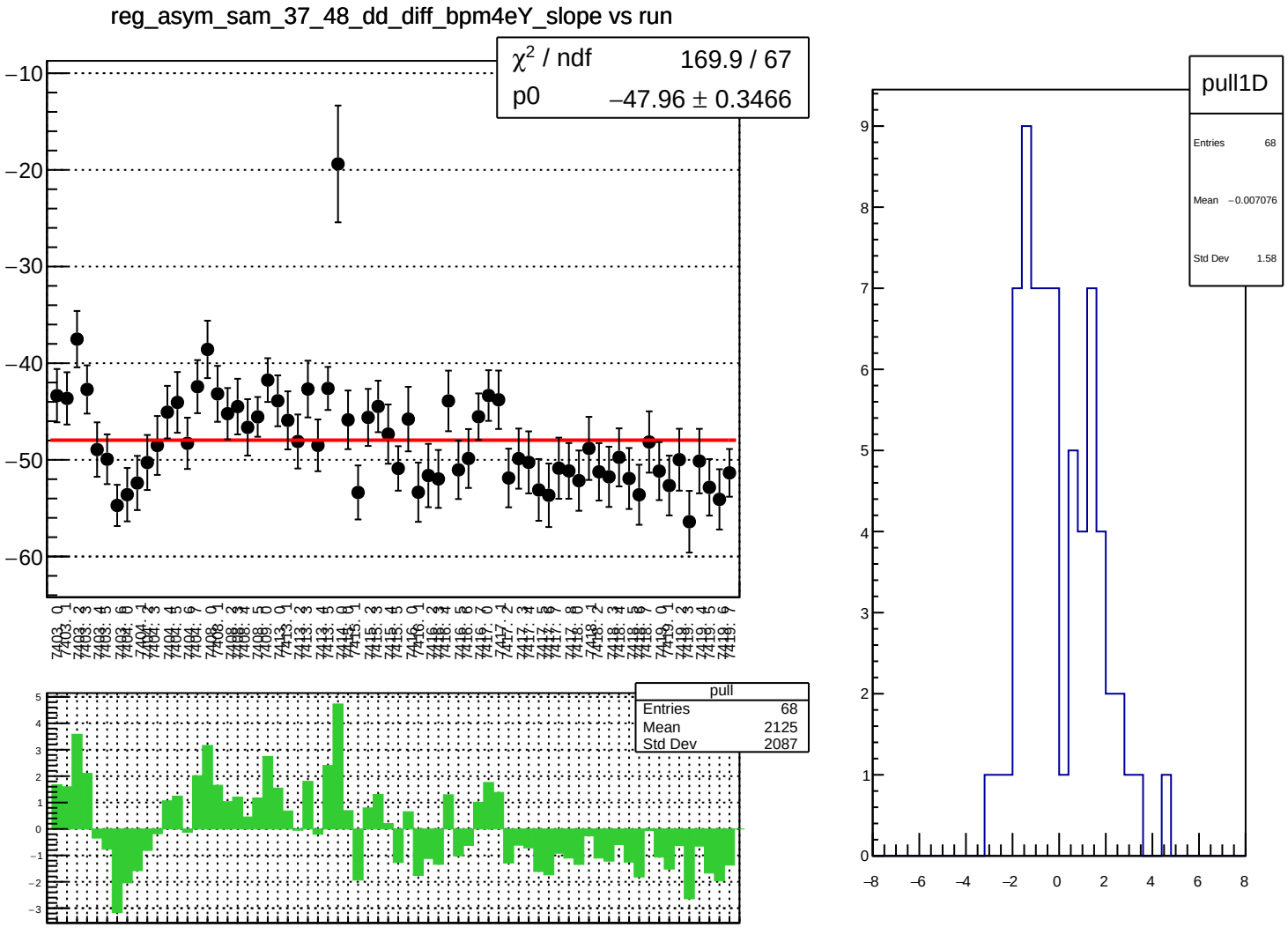


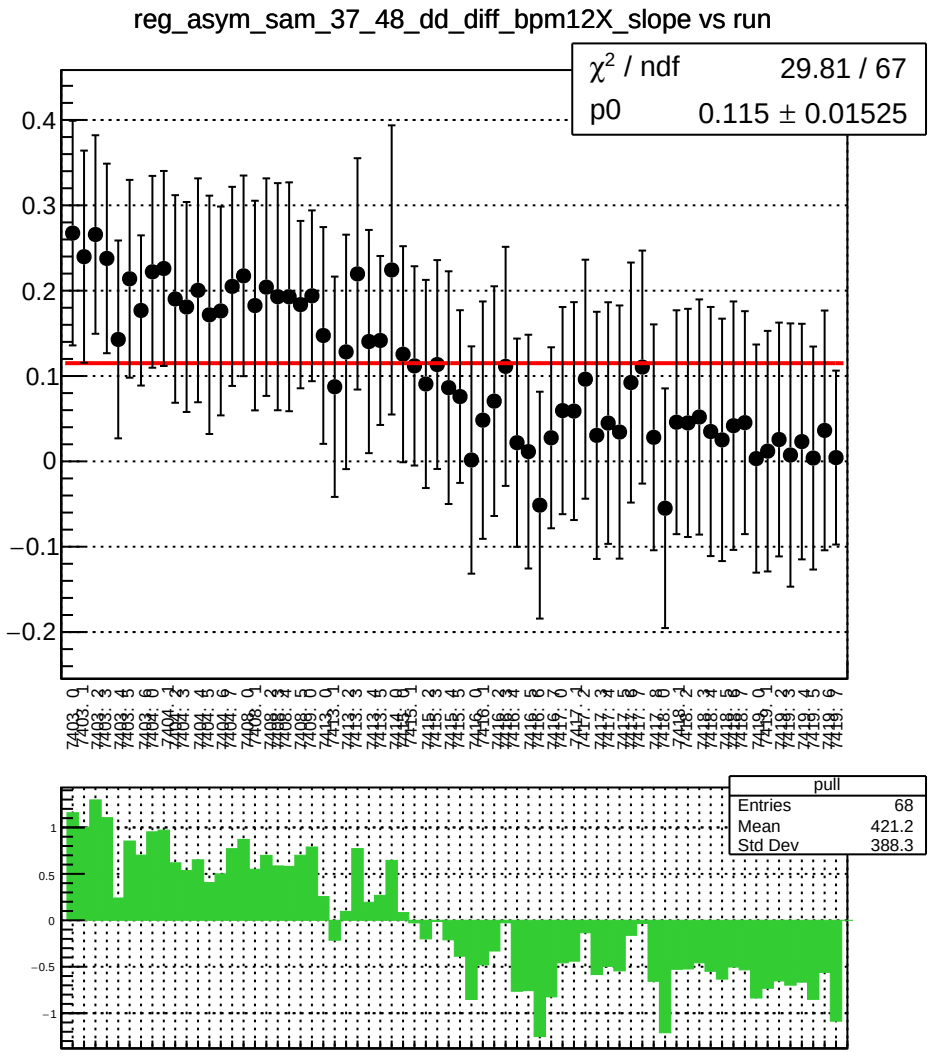

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 564.8 / 67
p0 23.47 ± 0.3235
pull
Entries 68
Mean −257.7
Std Dev 283.5
pull1D
Entries 68
Mean 0.2011
Std Dev 2.386

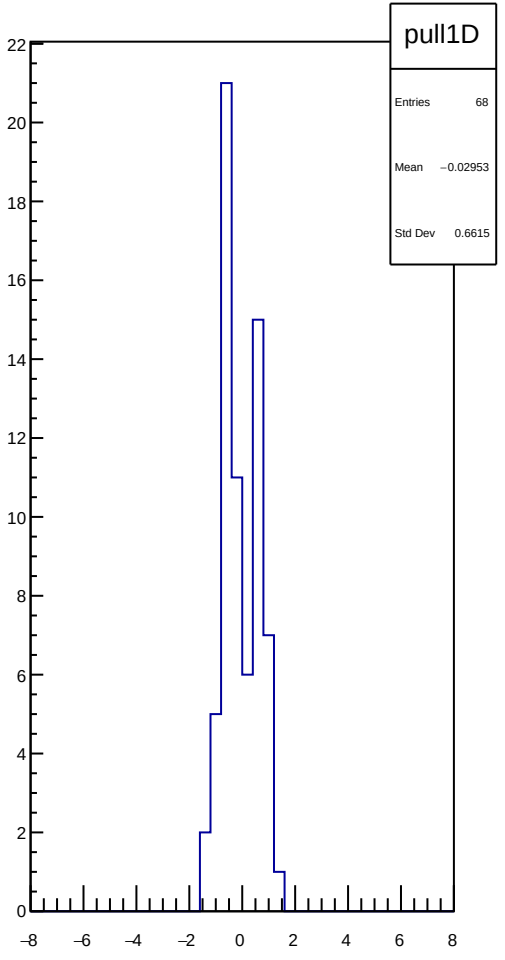

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 269.2 / 67
p0 −5.221 ± 0.3276
pull
Entries 68
Mean 148.7
Std Dev 118.3
pull1D
Entries 68
Mean −0.1211
Std Dev 1.986

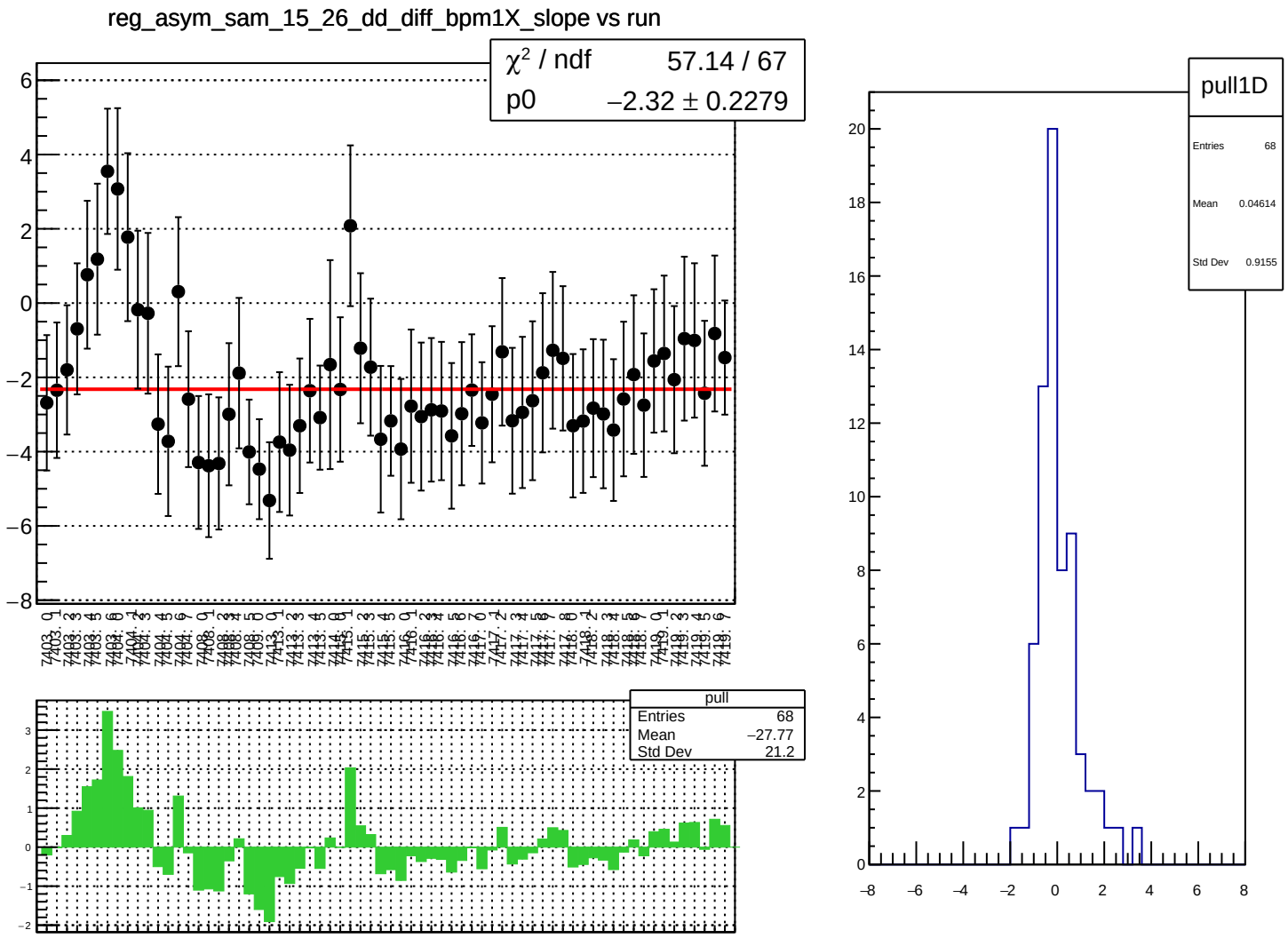

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 469.1 / 67
p0 −4.359 ± 0.3363
pull
Entries 68
Mean −122.4
Std Dev 143.6

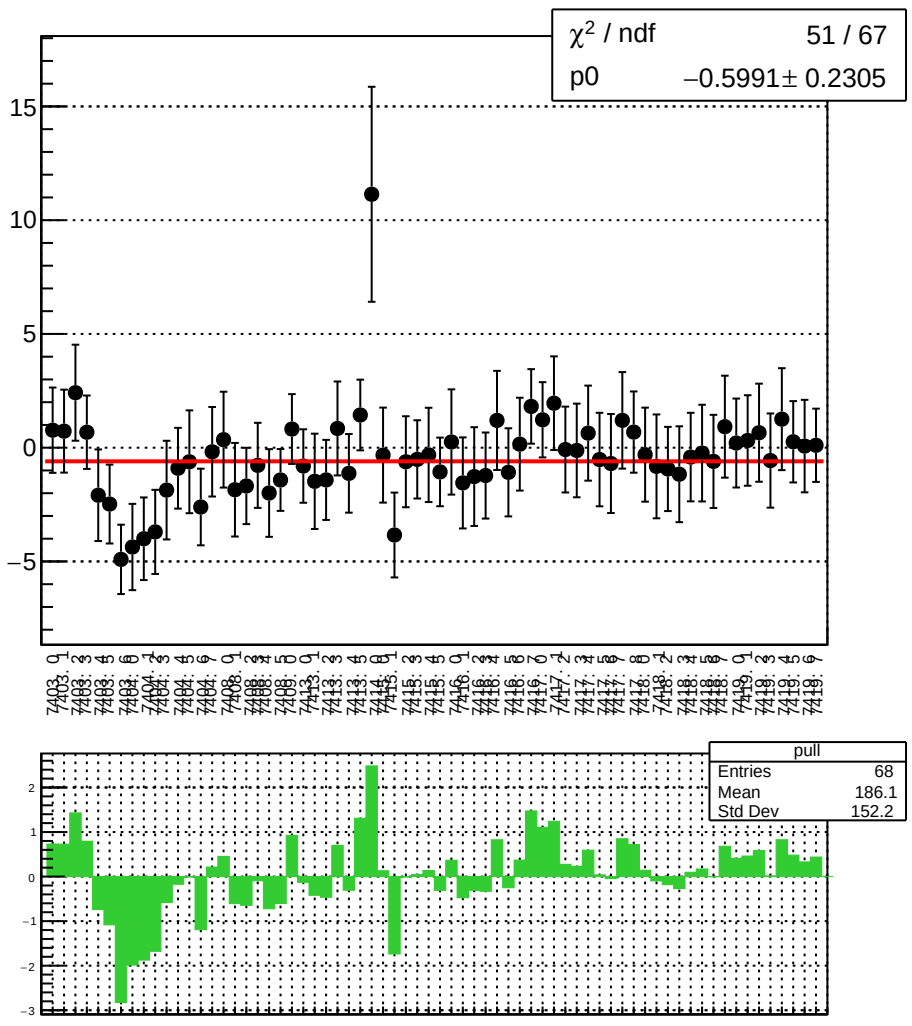

pull1D
Entries 68
Mean −0.04222
Std Dev 2.35

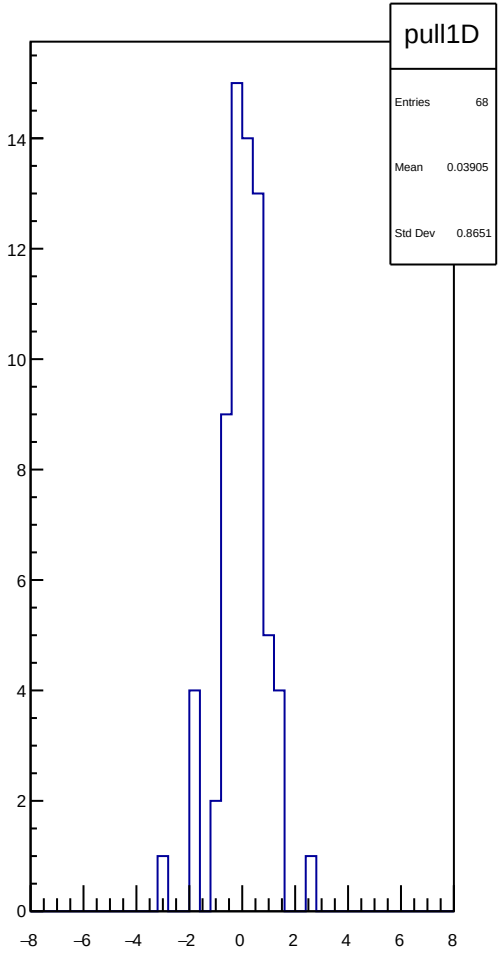

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 169.9 / 67
p0 −47.96 ± 0.3466
pull
Entries 68
Mean 2125
Std Dev 2087
pull1D
Entries 68
Mean −0.007076
Std Dev 1.58

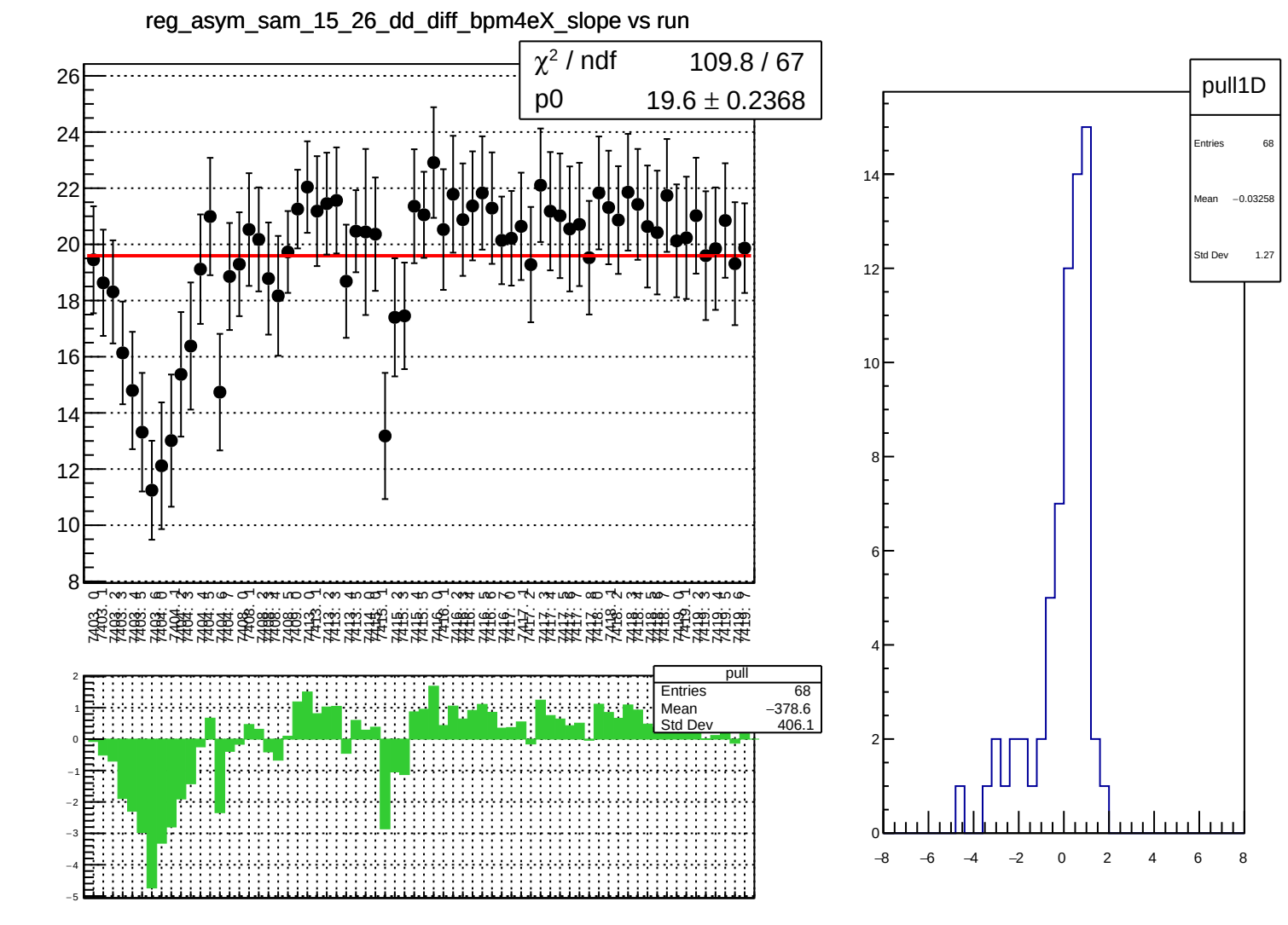

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 29.81 / 67
p0 0.115 ± 0.01525
pull
Entries 68
Mean 421.2
Std Dev 388.3

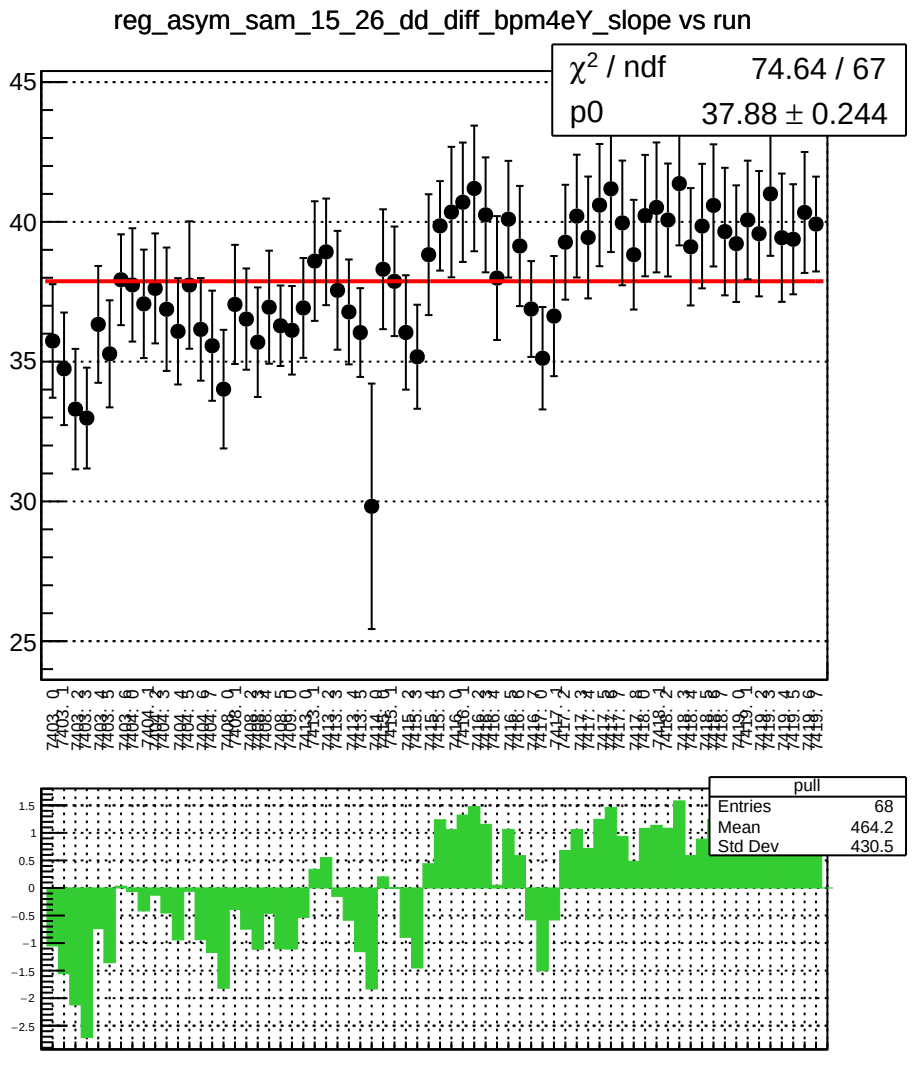

pull1D
Entries 68
Mean −0.02953
Std Dev 0.6615

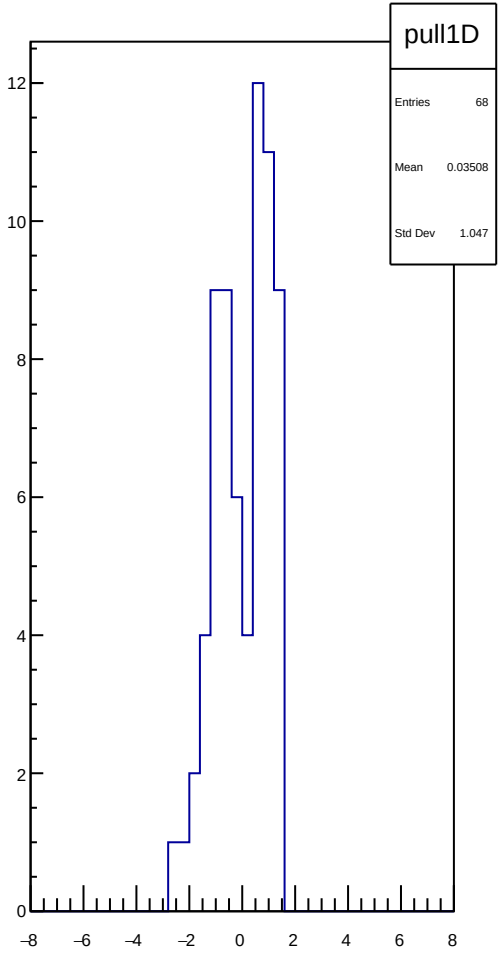

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 57.14 / 67
p0 −2.32 ± 0.2279
pull
Entries 68
Mean −27.77
Std Dev 21.2
pull1D
Entries 68
Mean 0.04614
Std Dev 0.9155

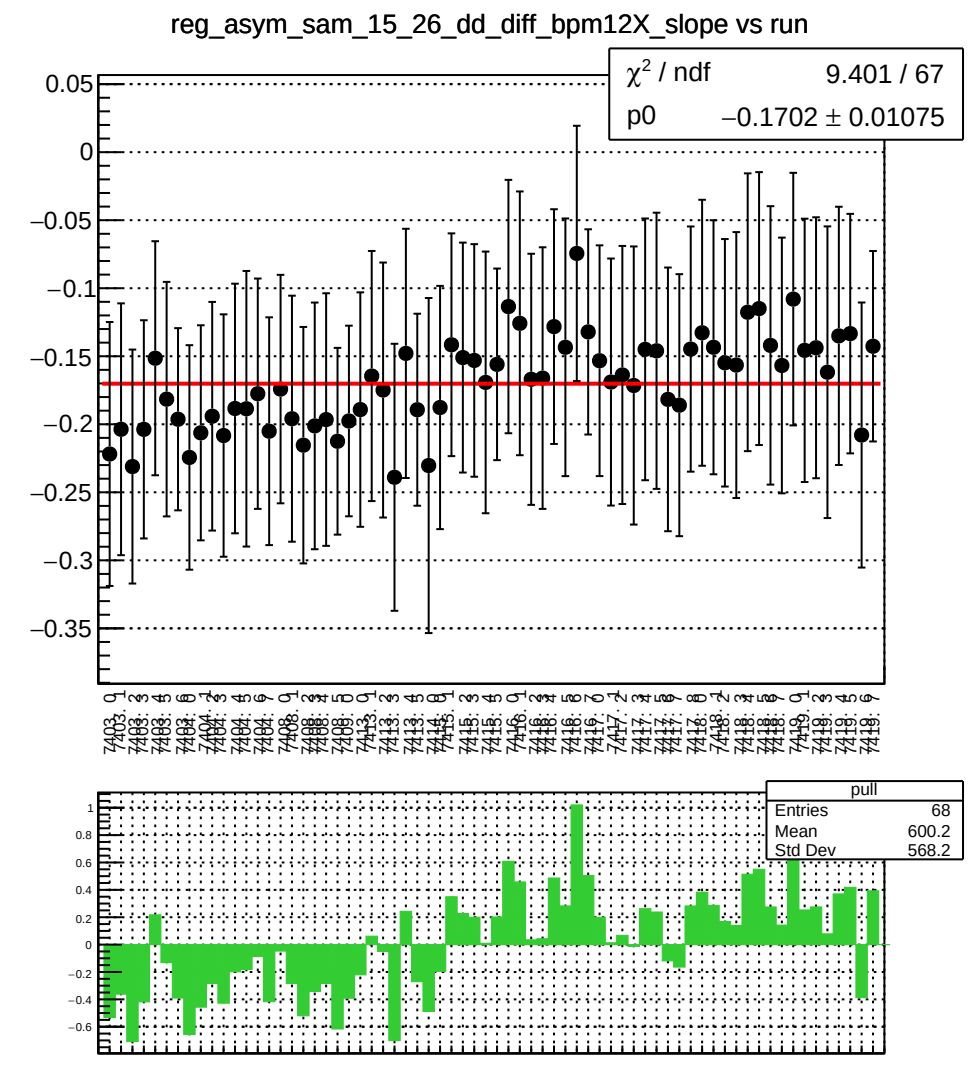

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 51 / 67
p0 −0.5991± 0.2305
pull
Entries 68
Mean 186.1
Std Dev 152.2

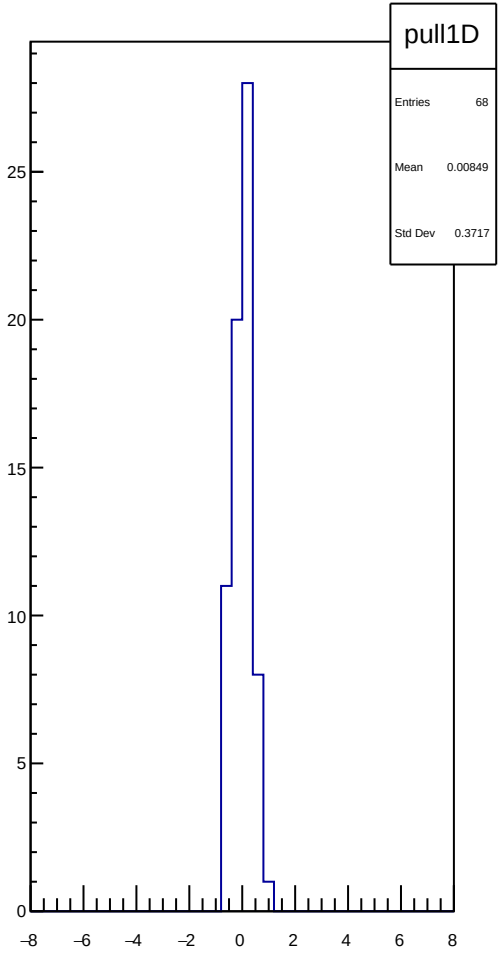

pull1D
Entries 68
Mean 0.03905
Std Dev 0.8651

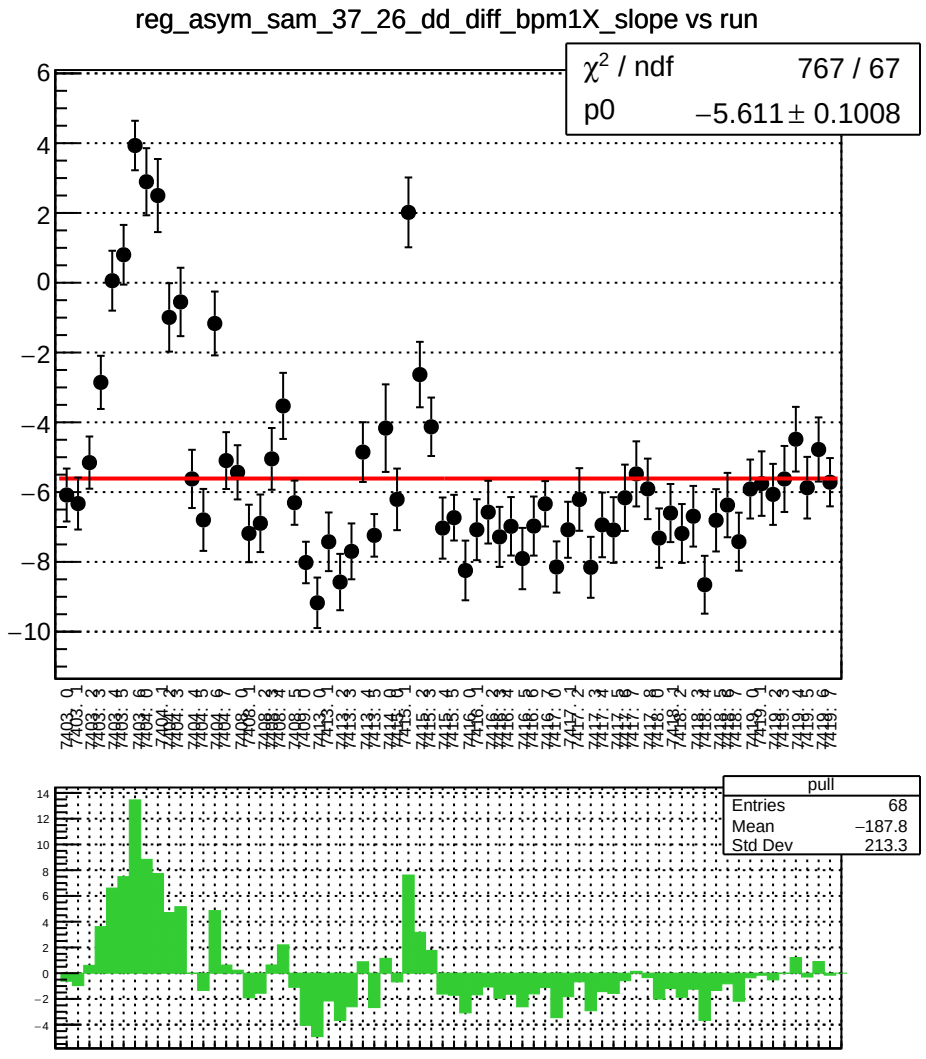

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 109.8 / 67
p0 19.6 ± 0.2368
pull
Entries 68
Mean −378.6
Std Dev 406.1
pull1D
Entries 68
Mean −0.03258
Std Dev 1.27

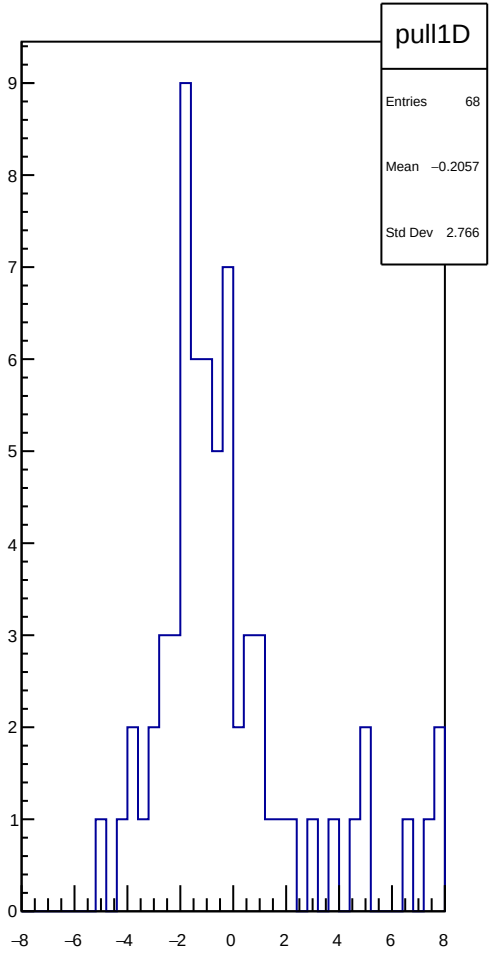

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.64 / 67
p0 37.88 ± 0.244
pull
Entries 68
Mean 464.2
Std Dev 430.5

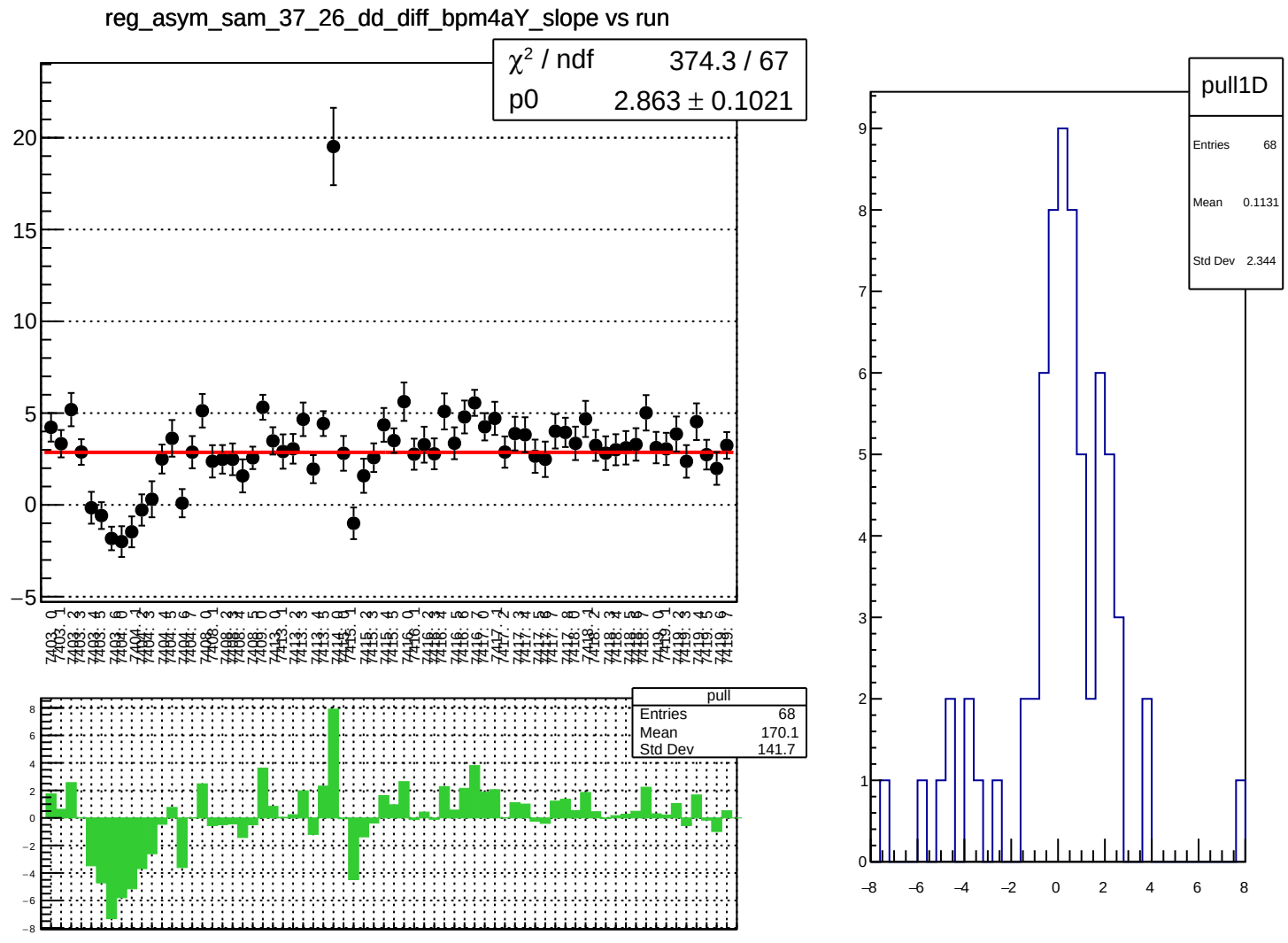

pull1D
Entries 68
Mean 0.03508
Std Dev 1.047

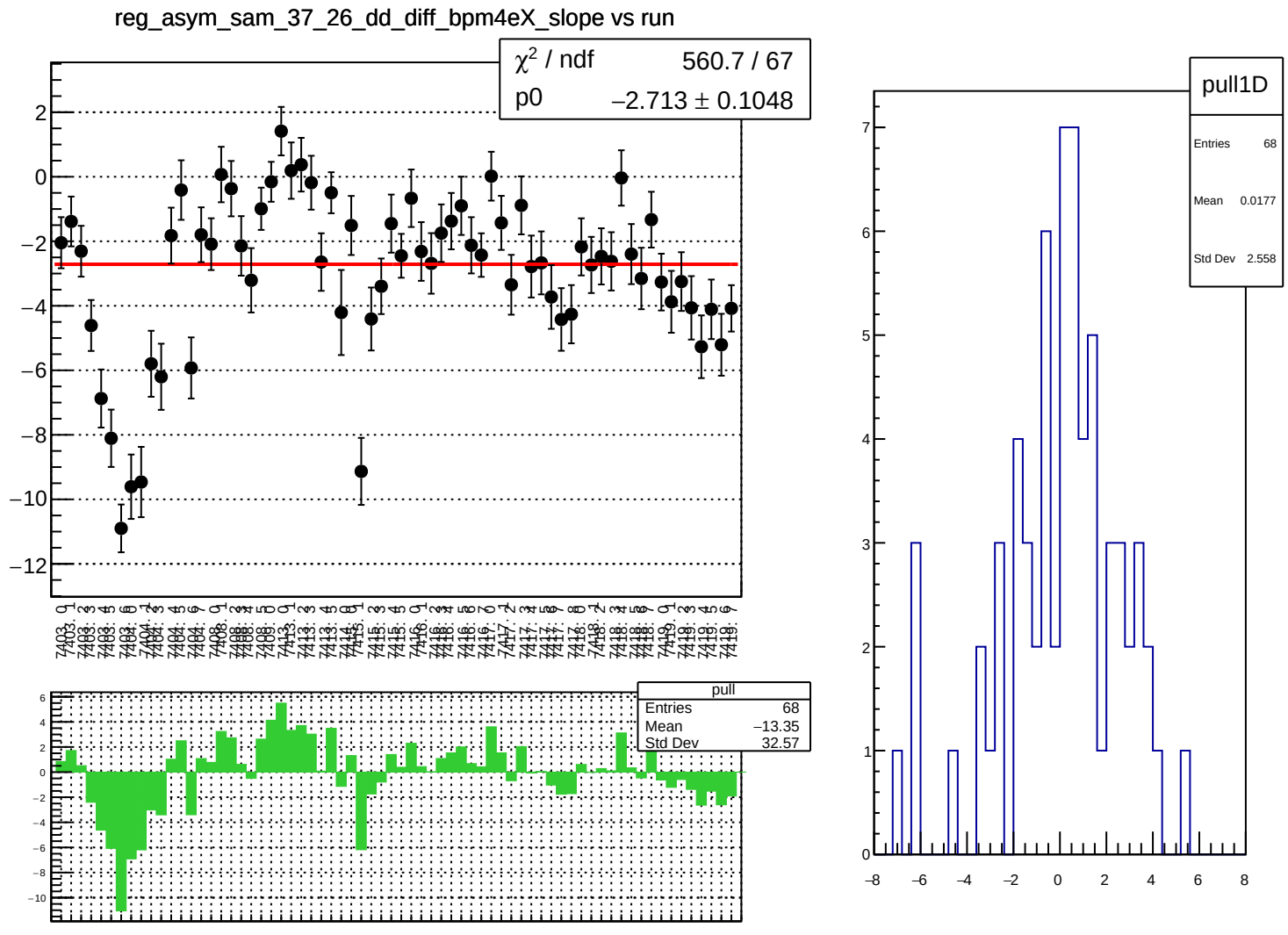

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 9.401 / 67
p0 −0.1702 ± 0.01075
pull
Entries 68
Mean 600.2
Std Dev 568.2

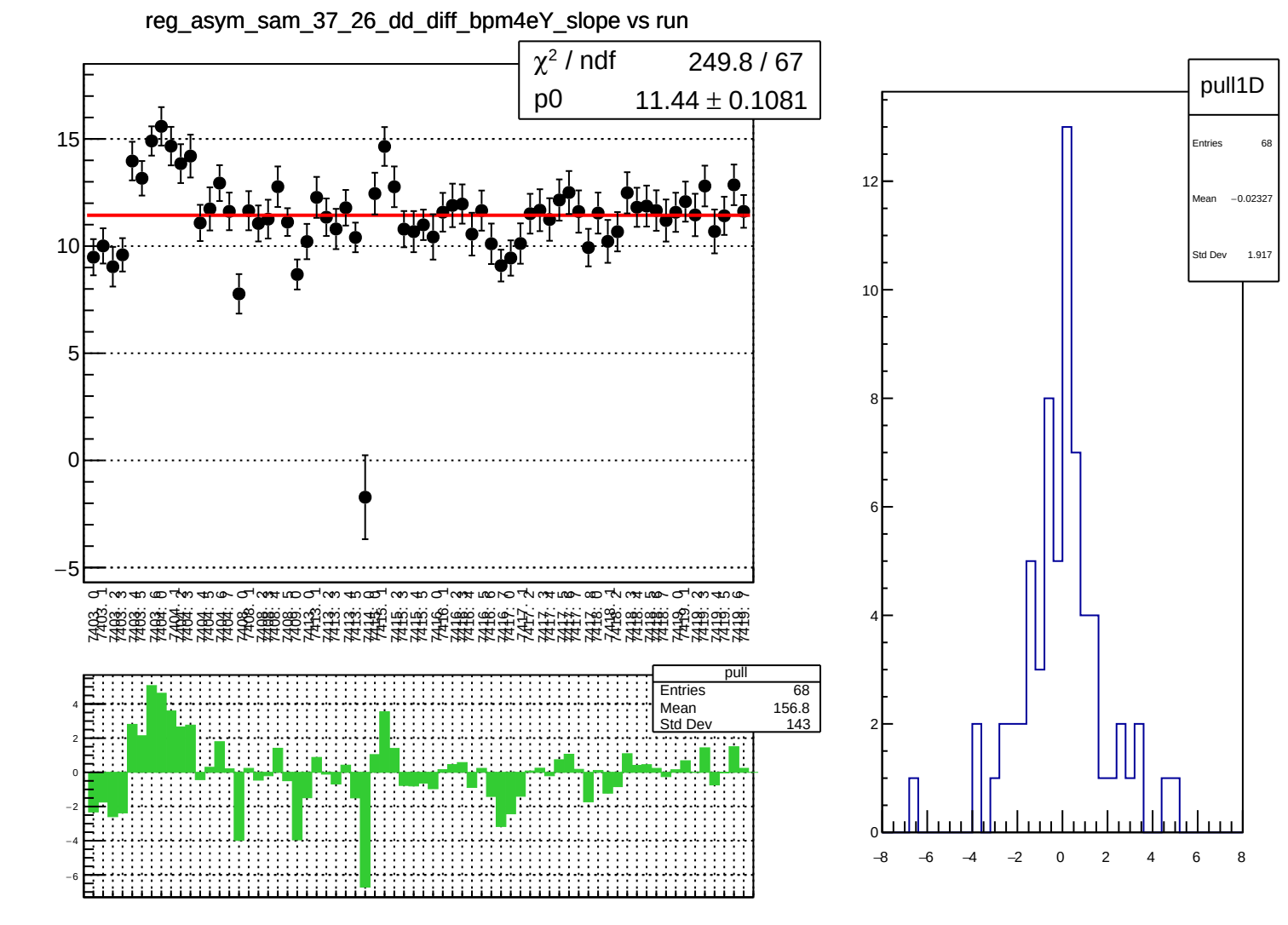

pull1D
Entries 68
Mean 0.00849
Std Dev 0.3717

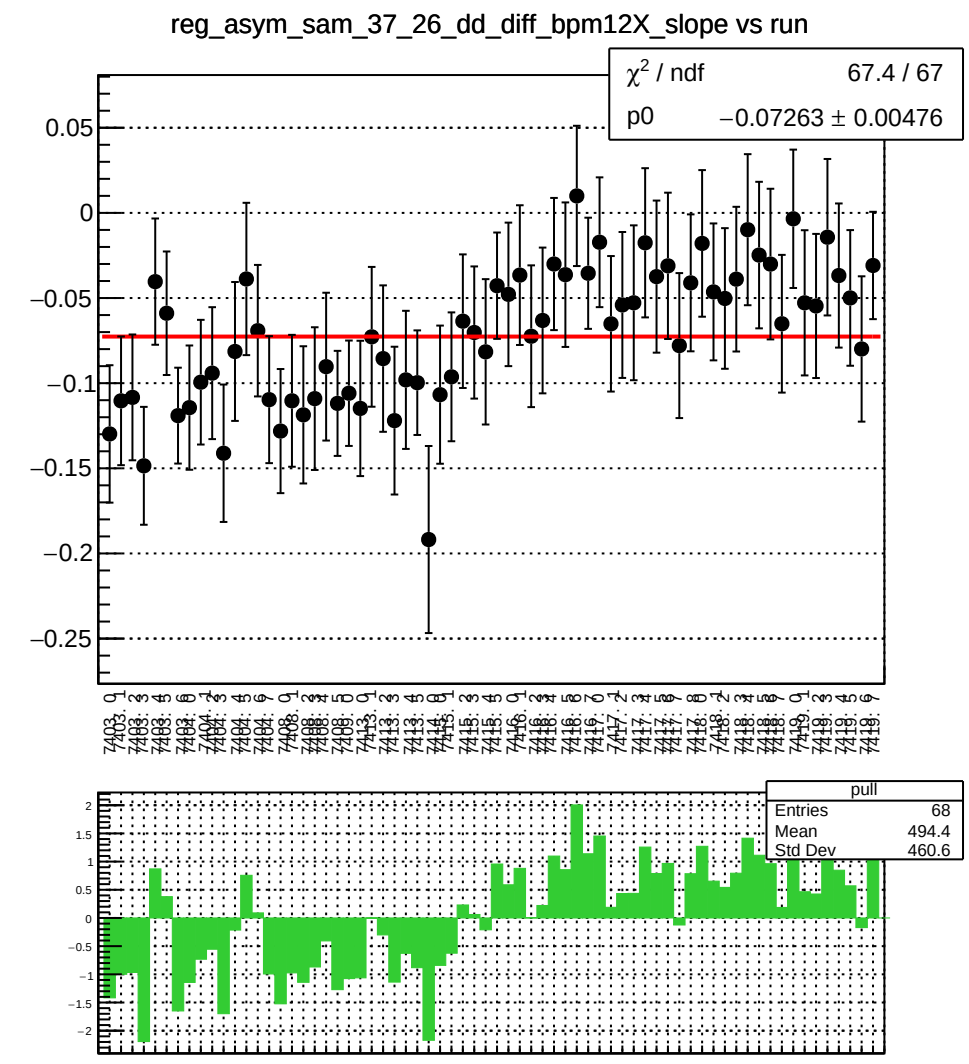

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 767 / 67
p0 −5.611 ± 0.1008
pull
Entries 68
Mean −187.8
Std Dev 213.3

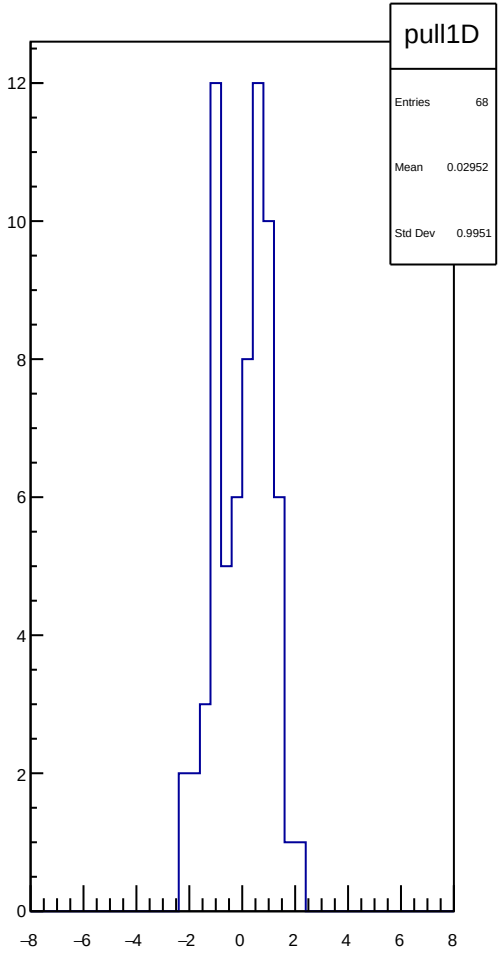

pull1D
Entries 68
Mean −0.2057
Std Dev 2.766

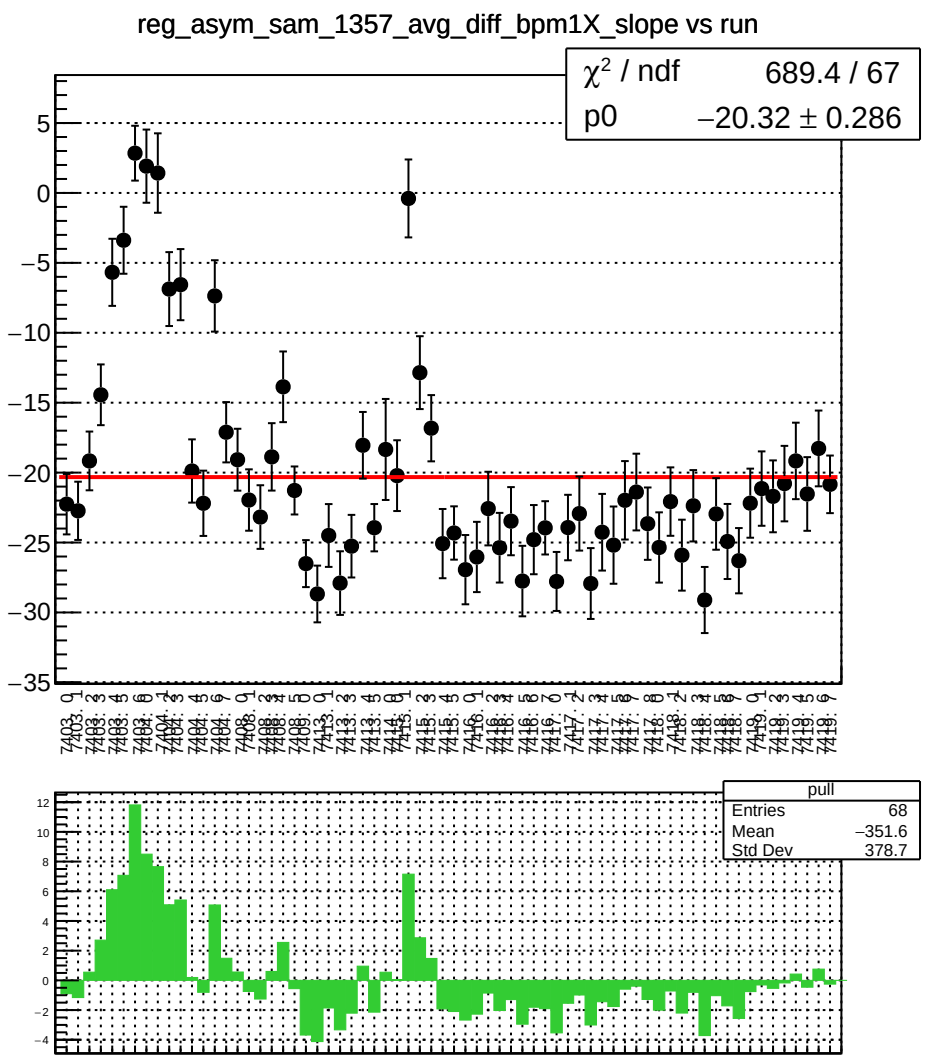

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 374.3 / 67
p0 2.863 ± 0.1021
pull
Entries 68
Mean 170.1
Std Dev 141.7
pull1D
Entries 68
Mean 0.1131
Std Dev 2.344

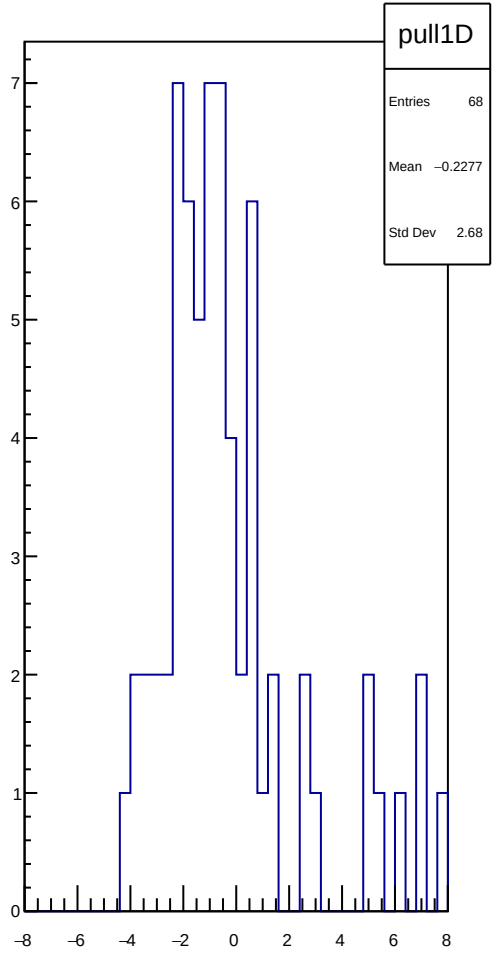

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 560.7 / 67
p0 −2.713 ± 0.1048
pull
Entries 68
Mean −13.35
Std Dev 32.57
pull1D
Entries 68
Mean 0.0177
Std Dev 2.558

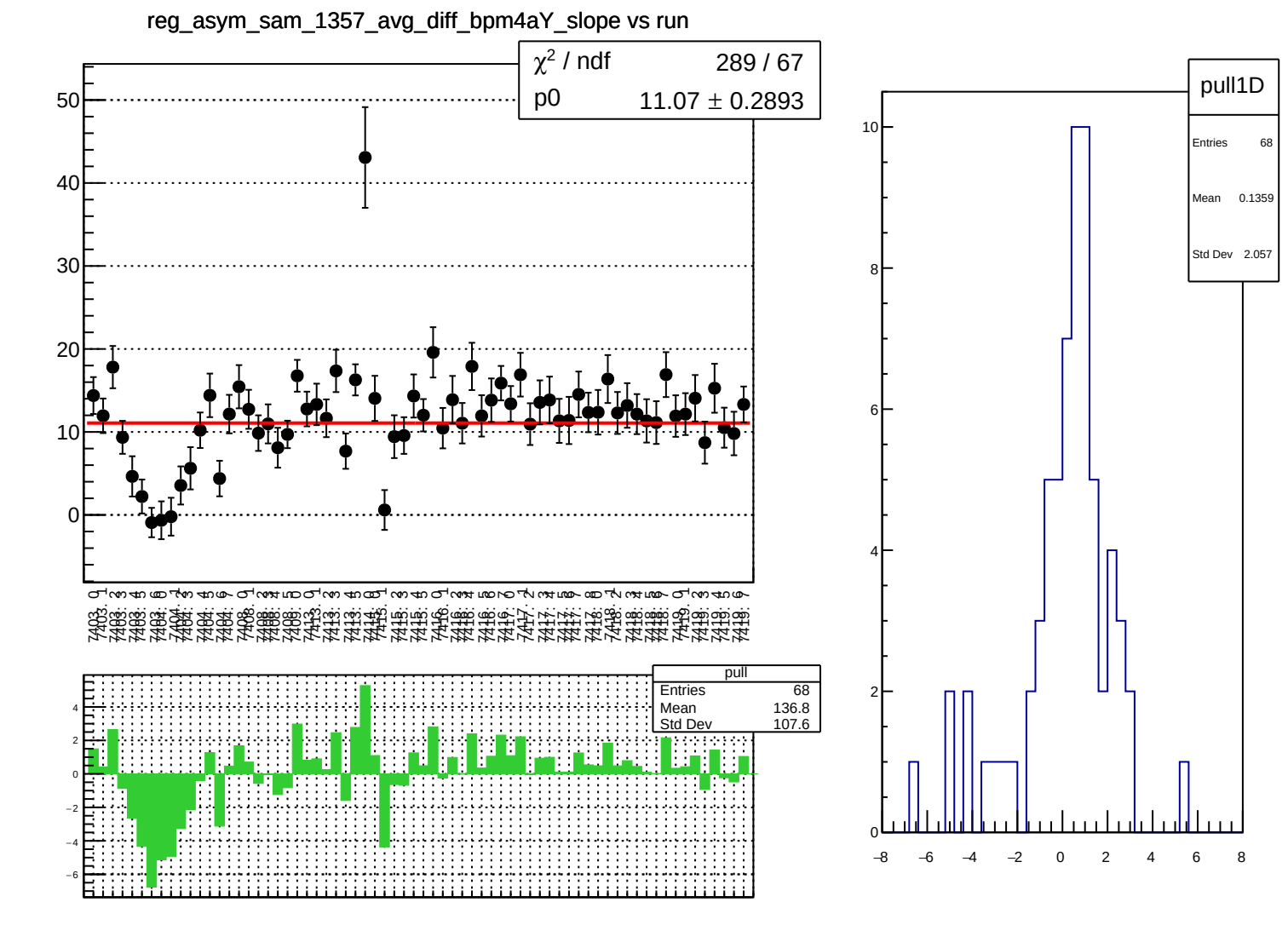

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 249.8 / 67
p0 11.44 ± 0.1081
pull
Entries 68
Mean 156.8
Std Dev 143
pull1D
Entries 68
Mean −0.02327
Std Dev 1.917

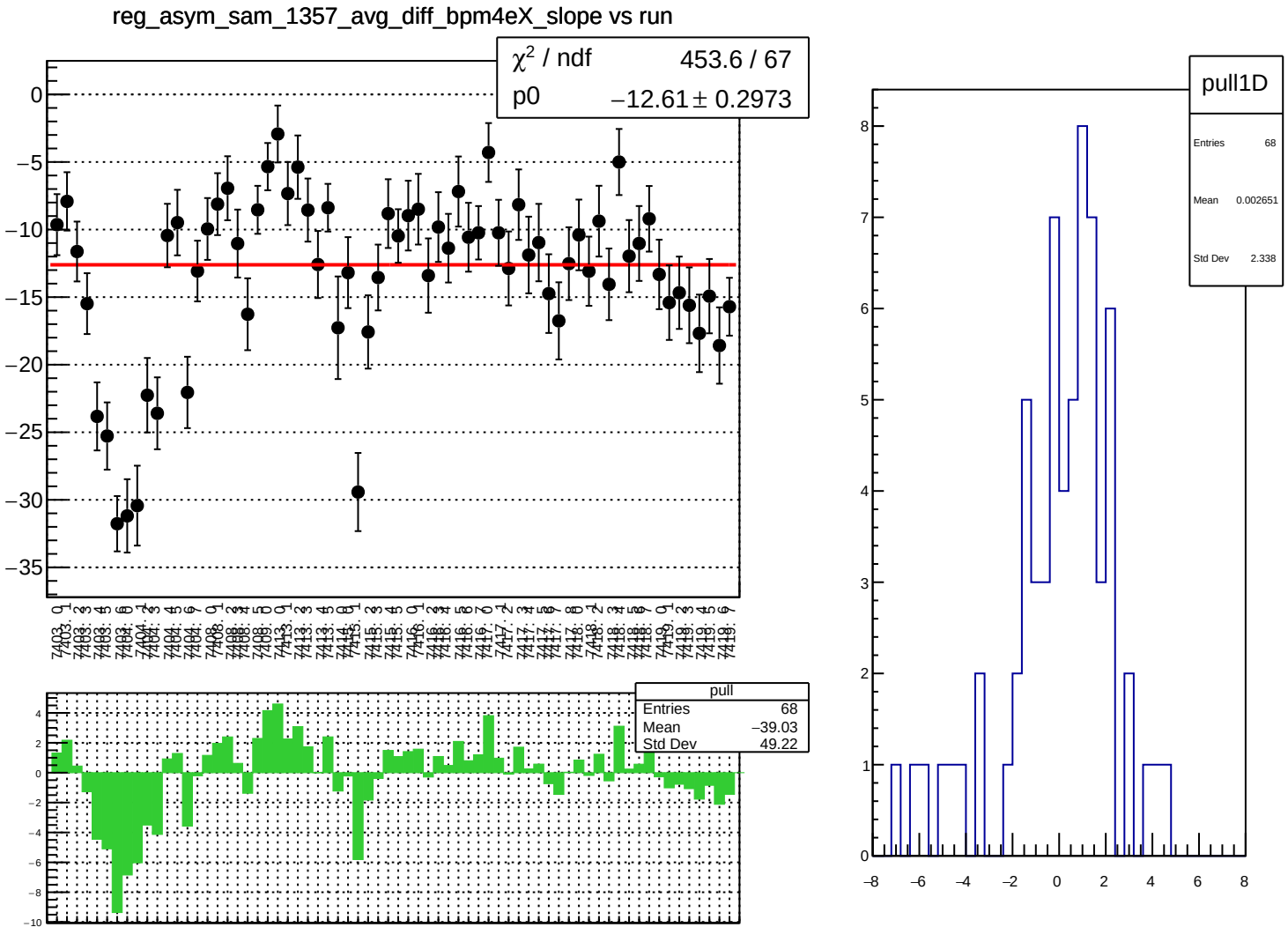

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 67.4 / 67
p0 −0.07263 ± 0.00476
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 68
Mean 494.4
Std Dev 460.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

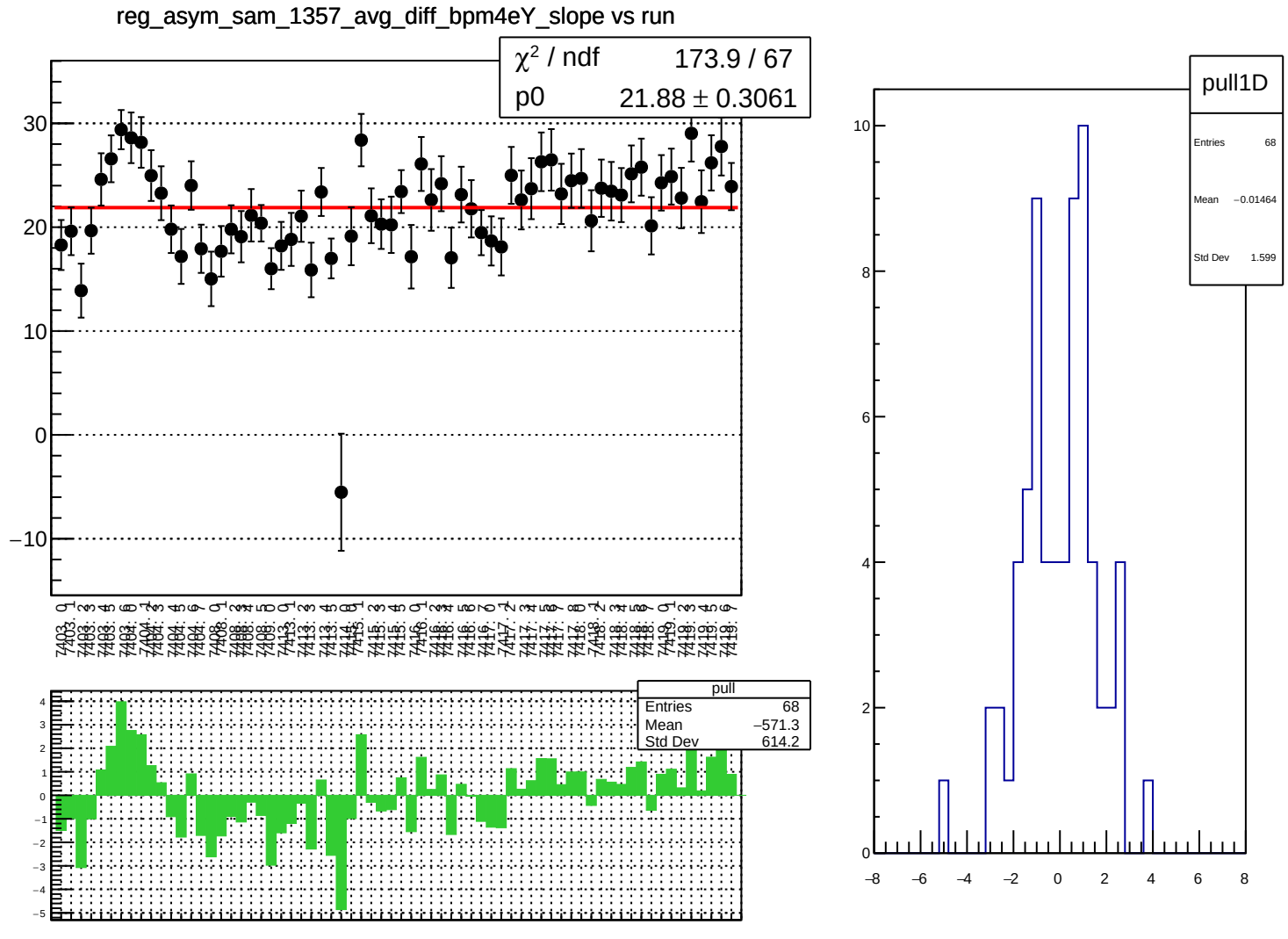

pull1D
Entries 68
Mean 0.02952
Std Dev 0.9951
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

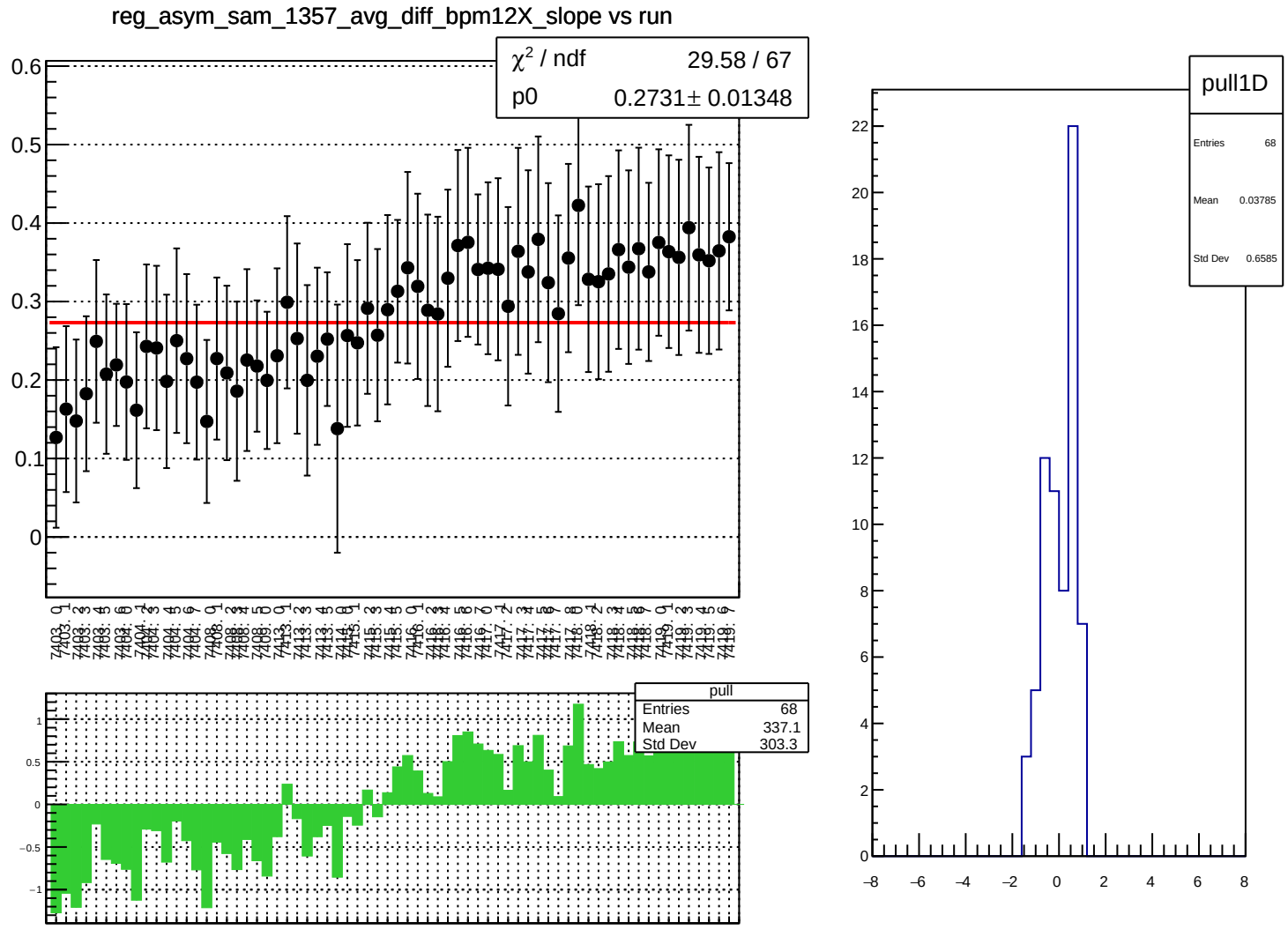

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 689.4 / 67
p0 −20.32 ± 0.286
pull
Entries 68
Mean −351.6
Std Dev 378.7

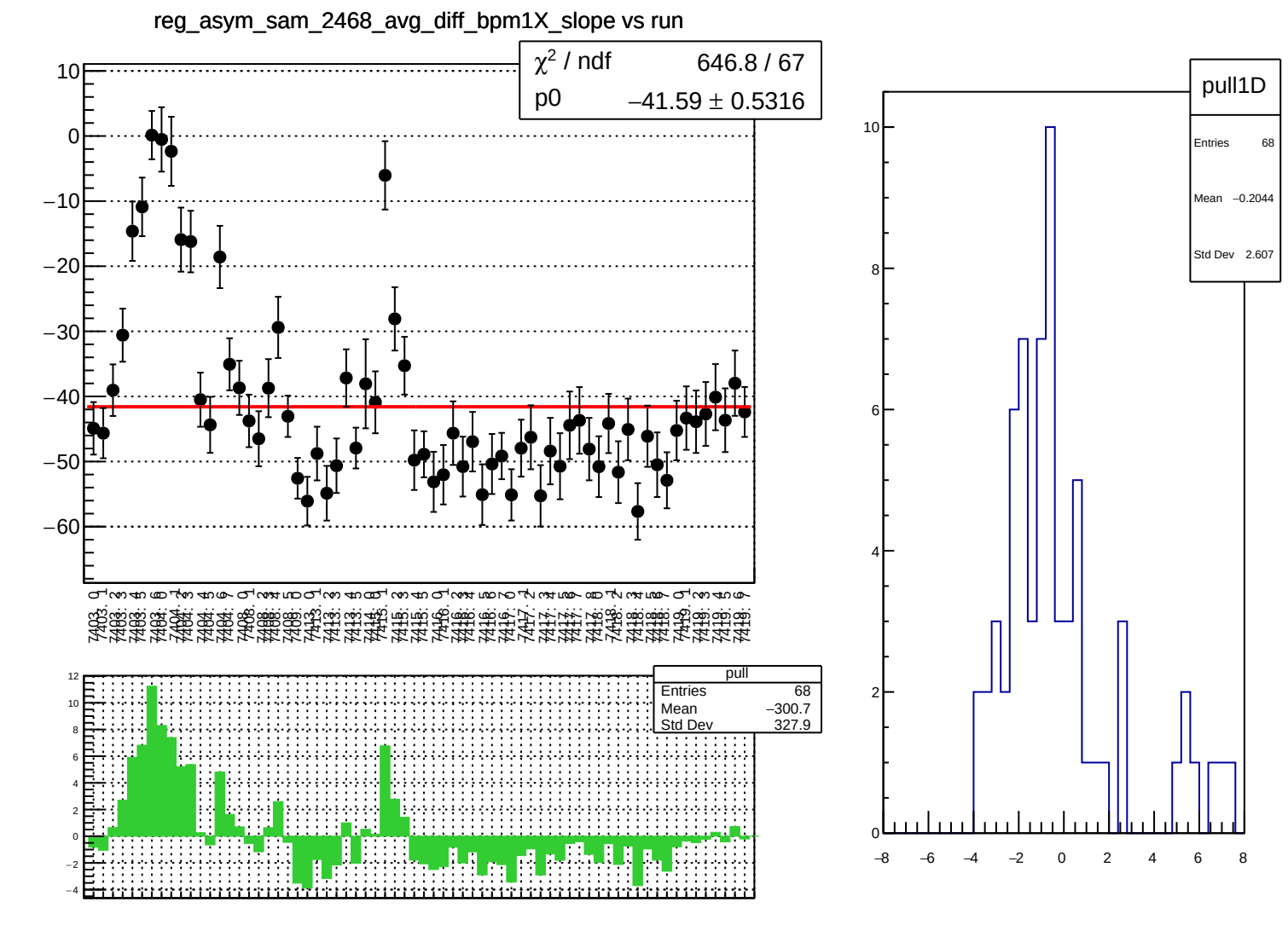

pull1D
Entries 68
Mean −0.2277
Std Dev 2.68

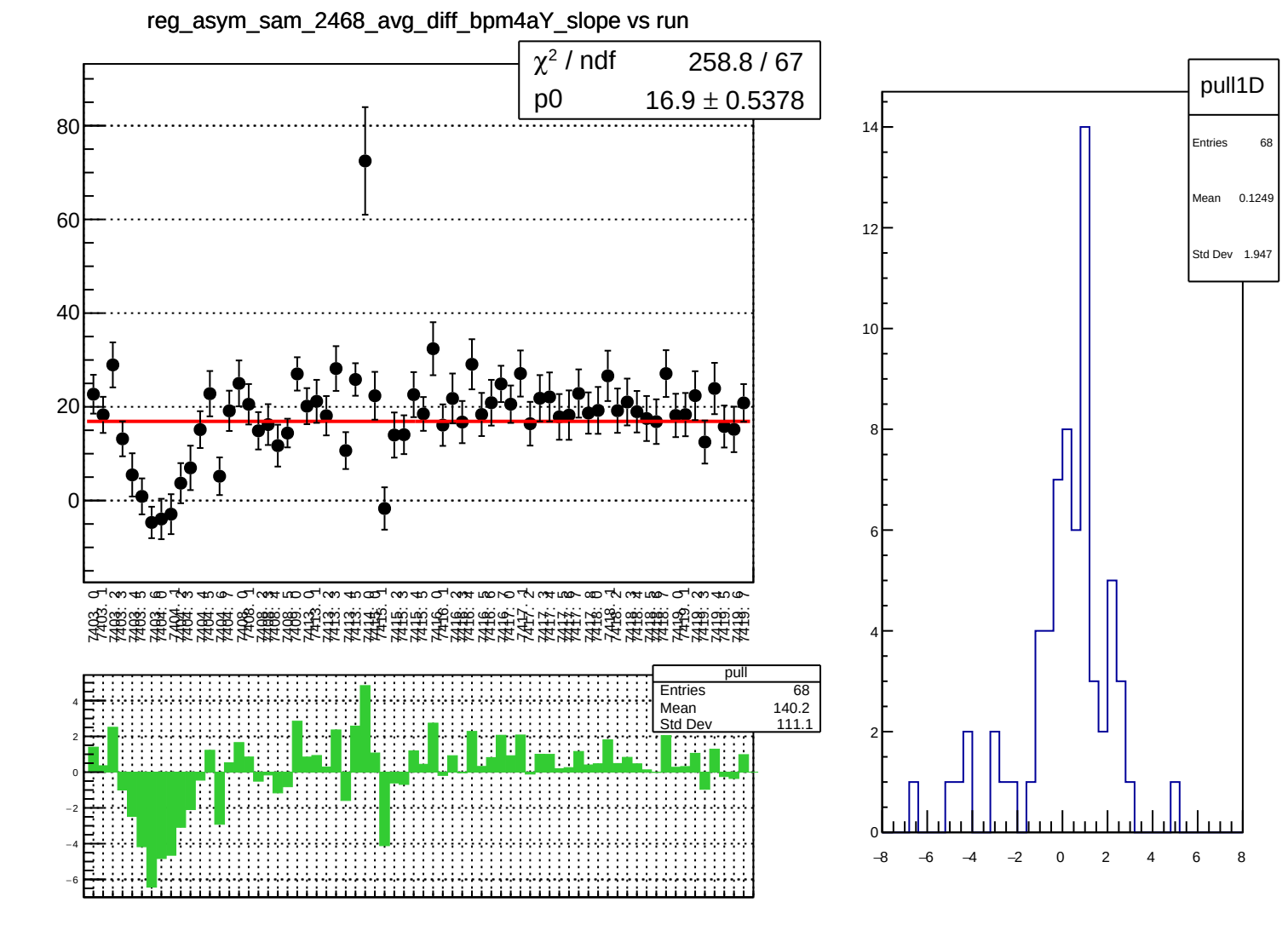

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 289 / 67
p0 11.07 ± 0.2893
pull
Entries 68
Mean 136.8
Std Dev 107.6
pull1D
Entries 68
Mean 0.1359
Std Dev 2.057

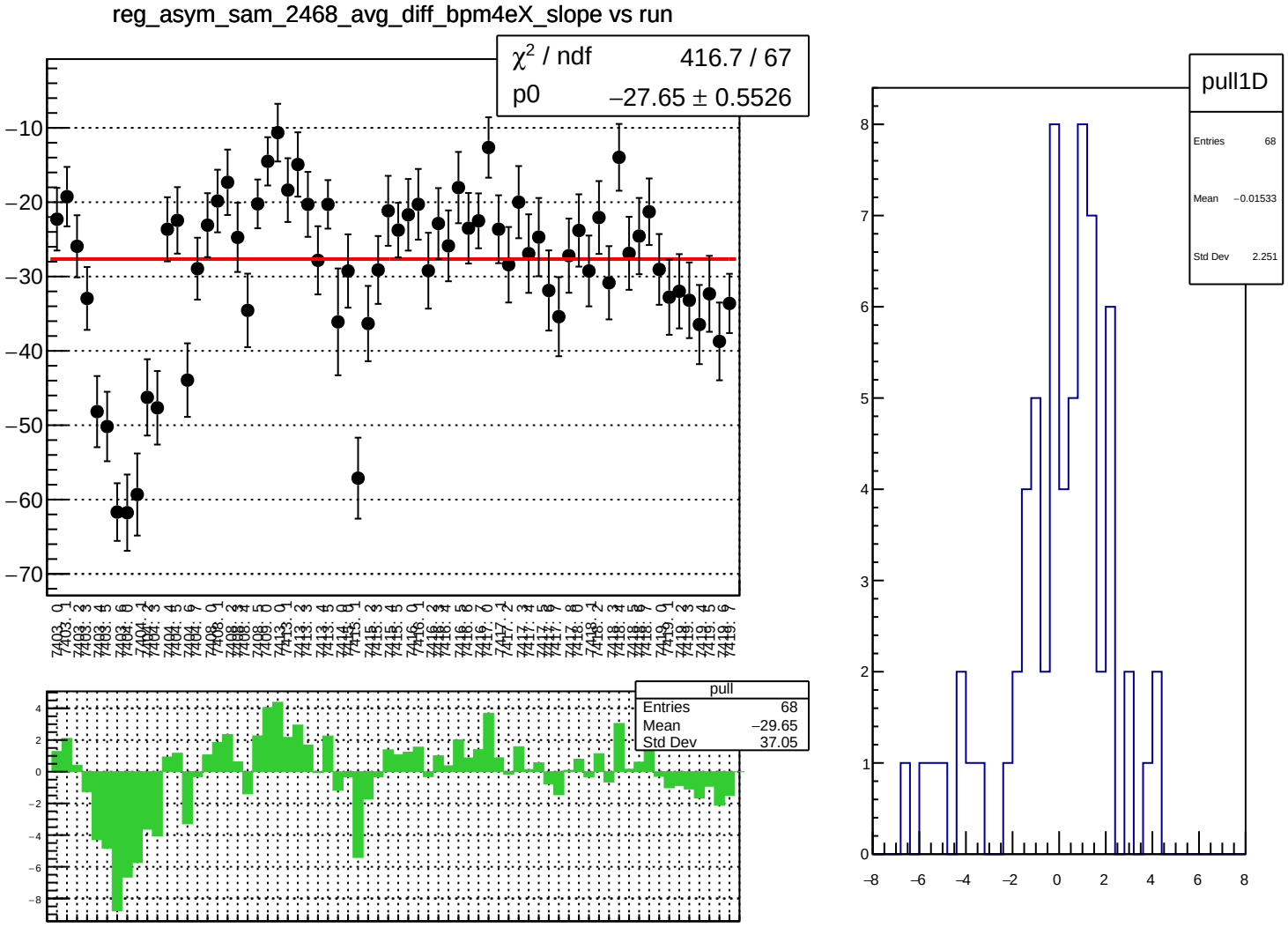

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 453.6 / 67
p0 −12.61 ± 0.2973
pull
Entries 68
Mean −39.03
Std Dev 49.22
pull1D
Entries 68
Mean 0.002651
Std Dev 2.338

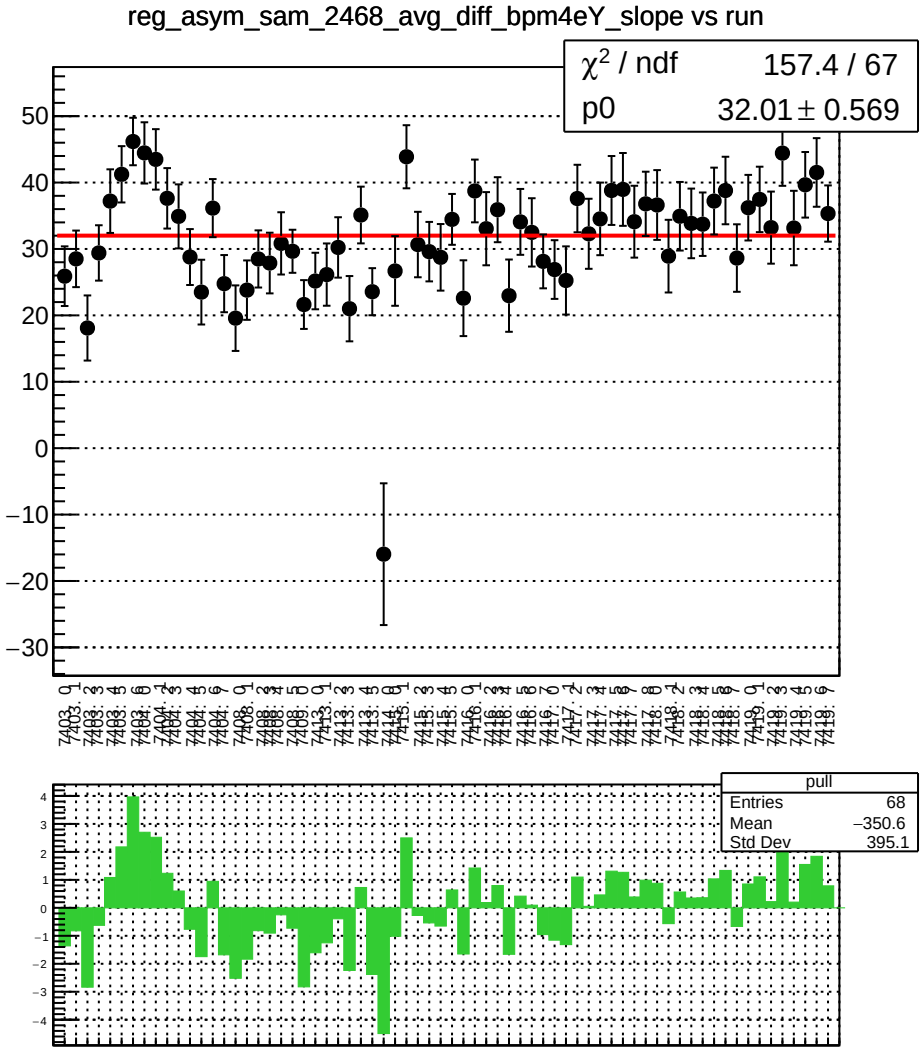

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 173.9 / 67
p0 21.88 ± 0.3061
pull
Entries 68
Mean −571.3
Std Dev 614.2
pull1D
Entries 68
Mean −0.01464
Std Dev 1.599

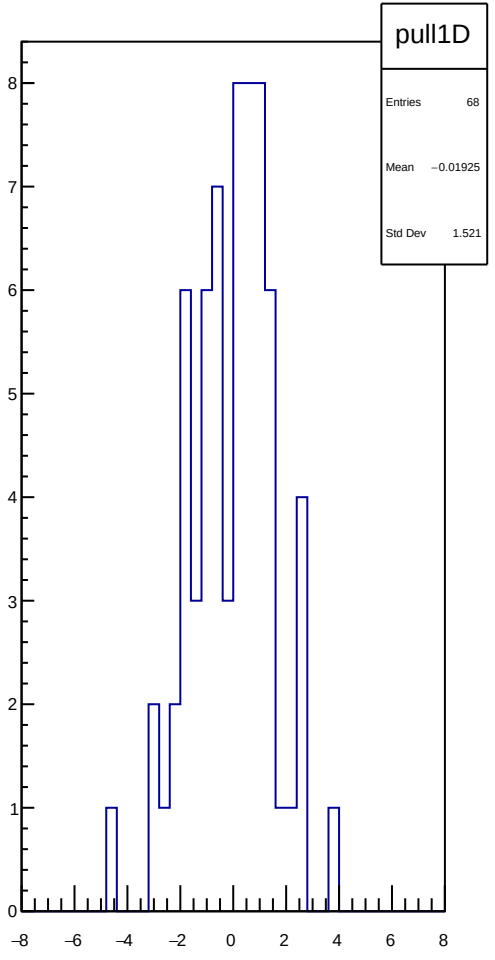

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 29.58 / 67
p0 0.2731± 0.01348
pull
Entries 68
Mean 337.1
Std Dev 303.3
pull1D
Entries 68
Mean 0.03785
Std Dev 0.6585

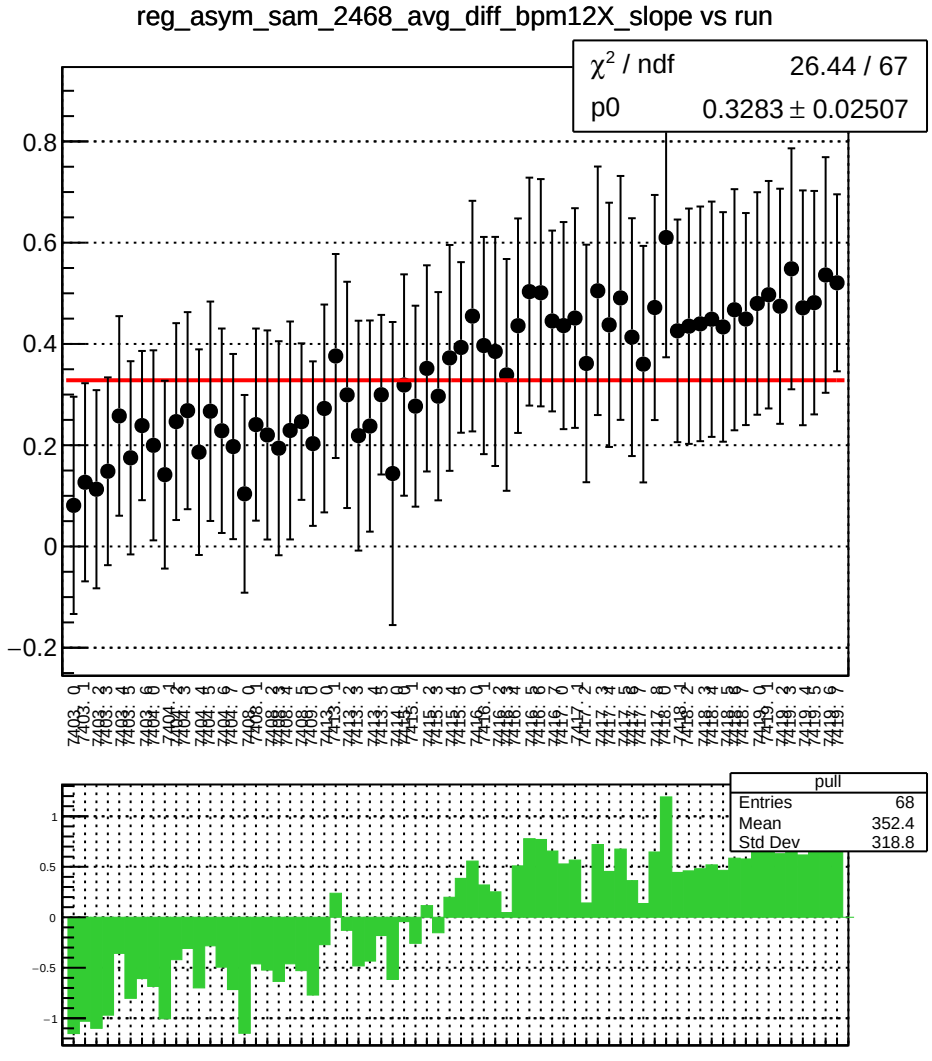

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 646.8 / 67
p0 −41.59 ± 0.5316
pull
Entries 68
Mean −300.7
Std Dev 327.9
pull1D
Entries 68
Mean −0.2044
Std Dev 2.607

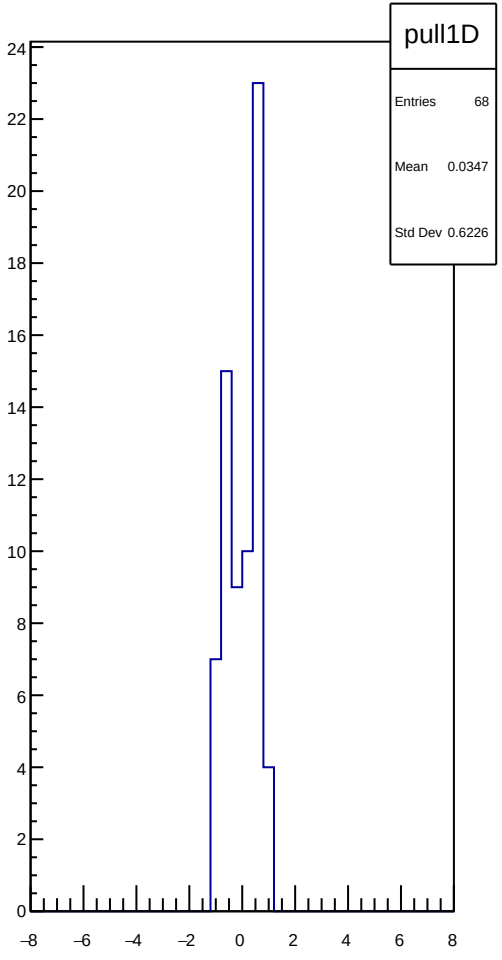

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 258.8 / 67
p0 16.9 ± 0.5378
pull
Entries 68
Mean 140.2
Std Dev 111.1
pull1D
Entries 68
Mean 0.1249
Std Dev 1.947

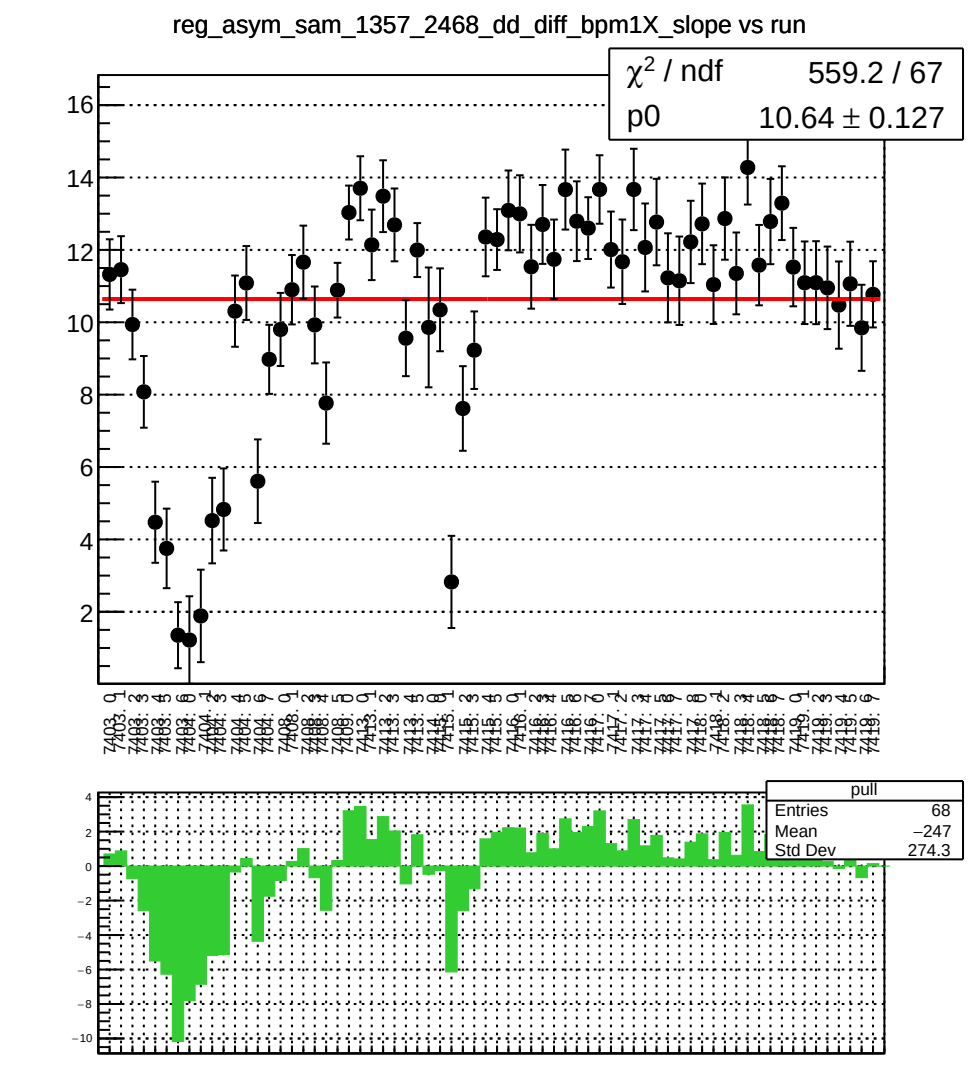

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 416.7 / 67
p0 −27.65 ± 0.5526
pull
Entries 68
Mean −29.65
Std Dev 37.05
pull1D
Entries 68
Mean −0.01533
Std Dev 2.251

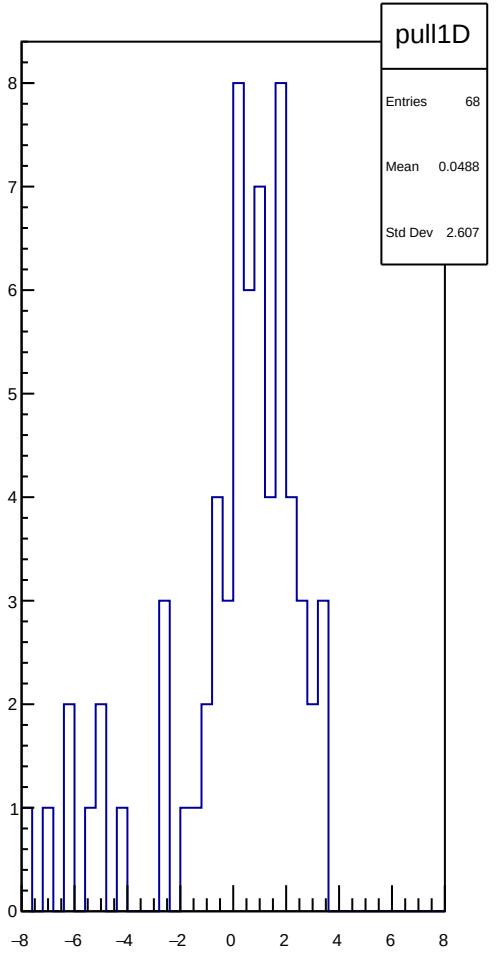

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 157.4 / 67
p0 32.01 ± 0.569
pull
Entries 68
Mean −350.6
Std Dev 395.1

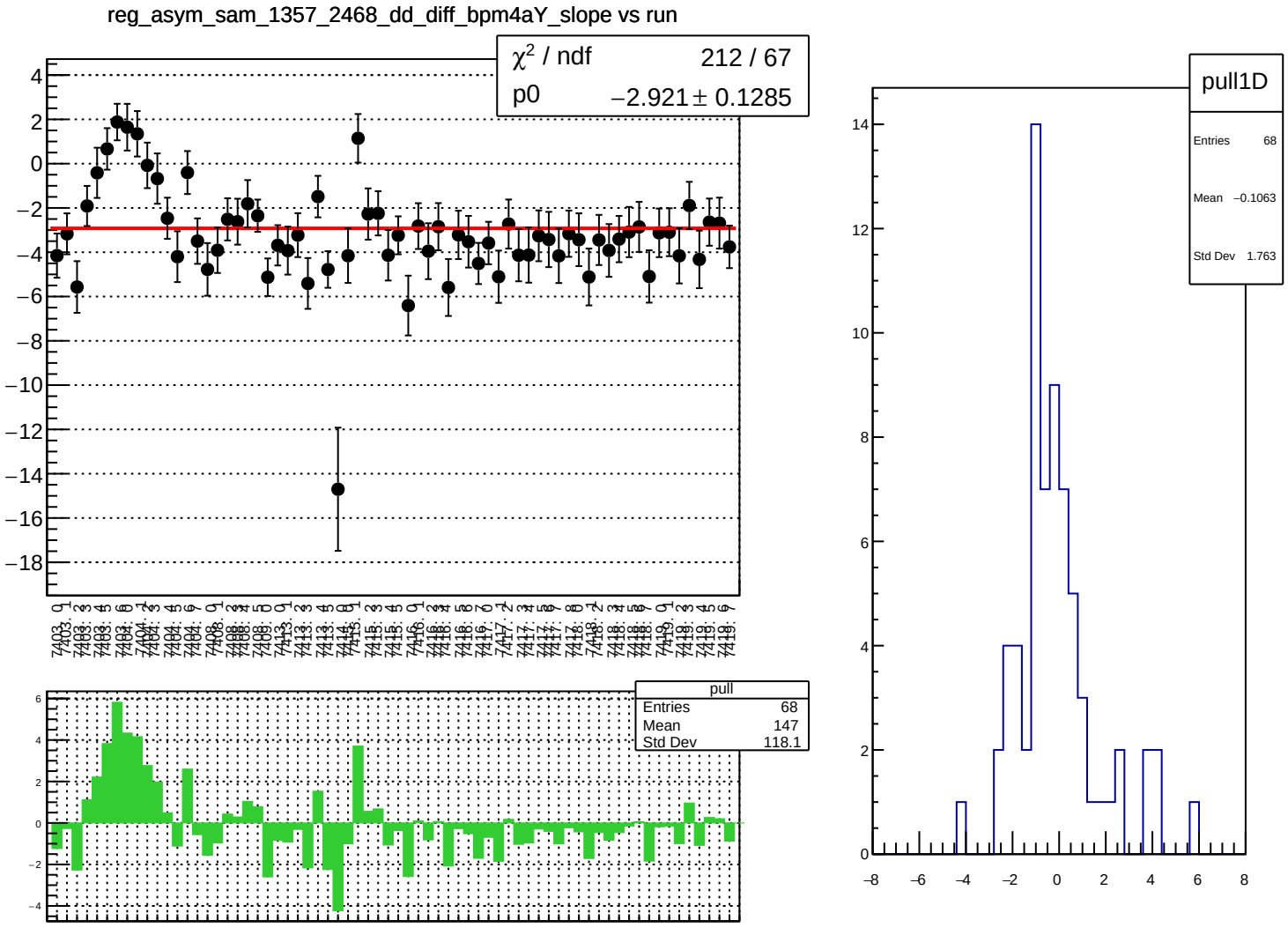

pull1D
Entries 68
Mean −0.01925
Std Dev 1.521

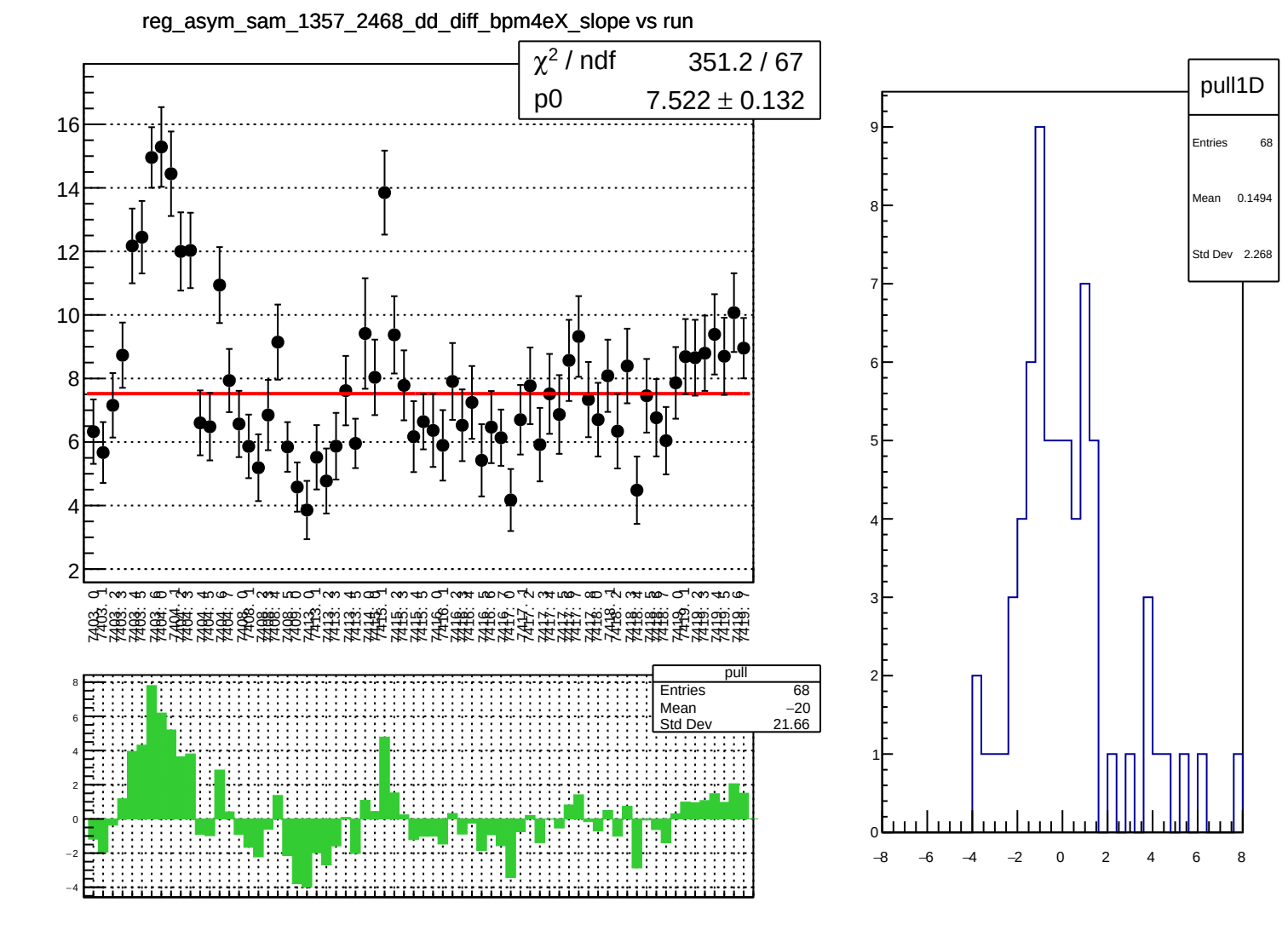

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 26.44 / 67
p0 0.3283 ± 0.02507
pull
Entries 68
Mean 352.4
Std Dev 318.8

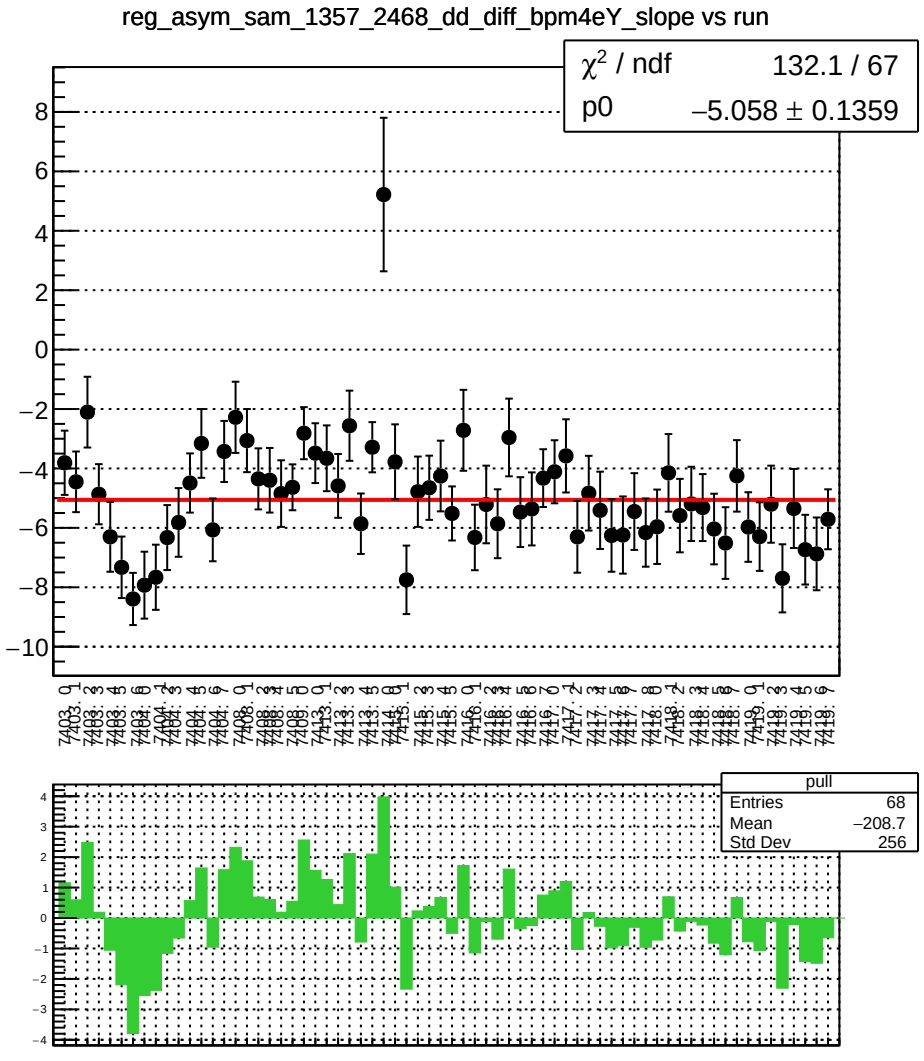

pull1D
Entries 68
Mean 0.0347
Std Dev 0.6226

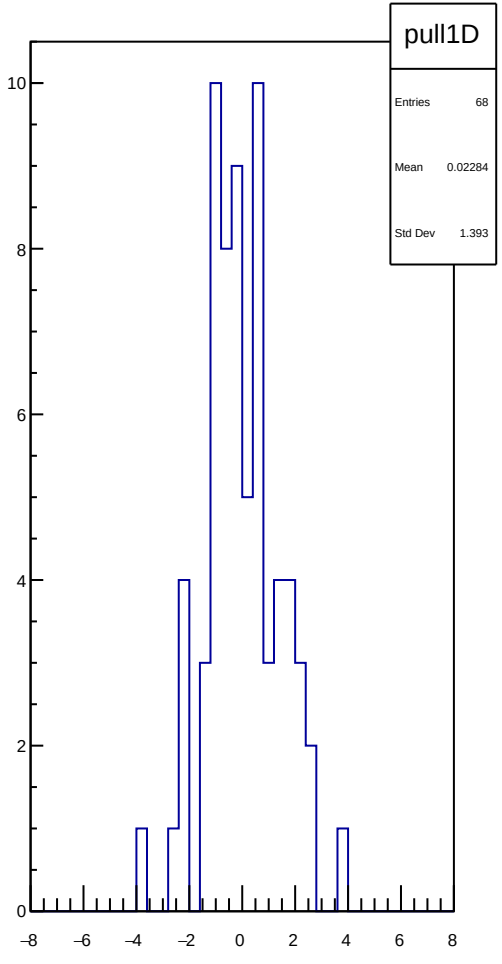

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 559.2 / 67
p0 10.64 ± 0.127
pull
Entries 68
Mean −247
Std Dev 274.3

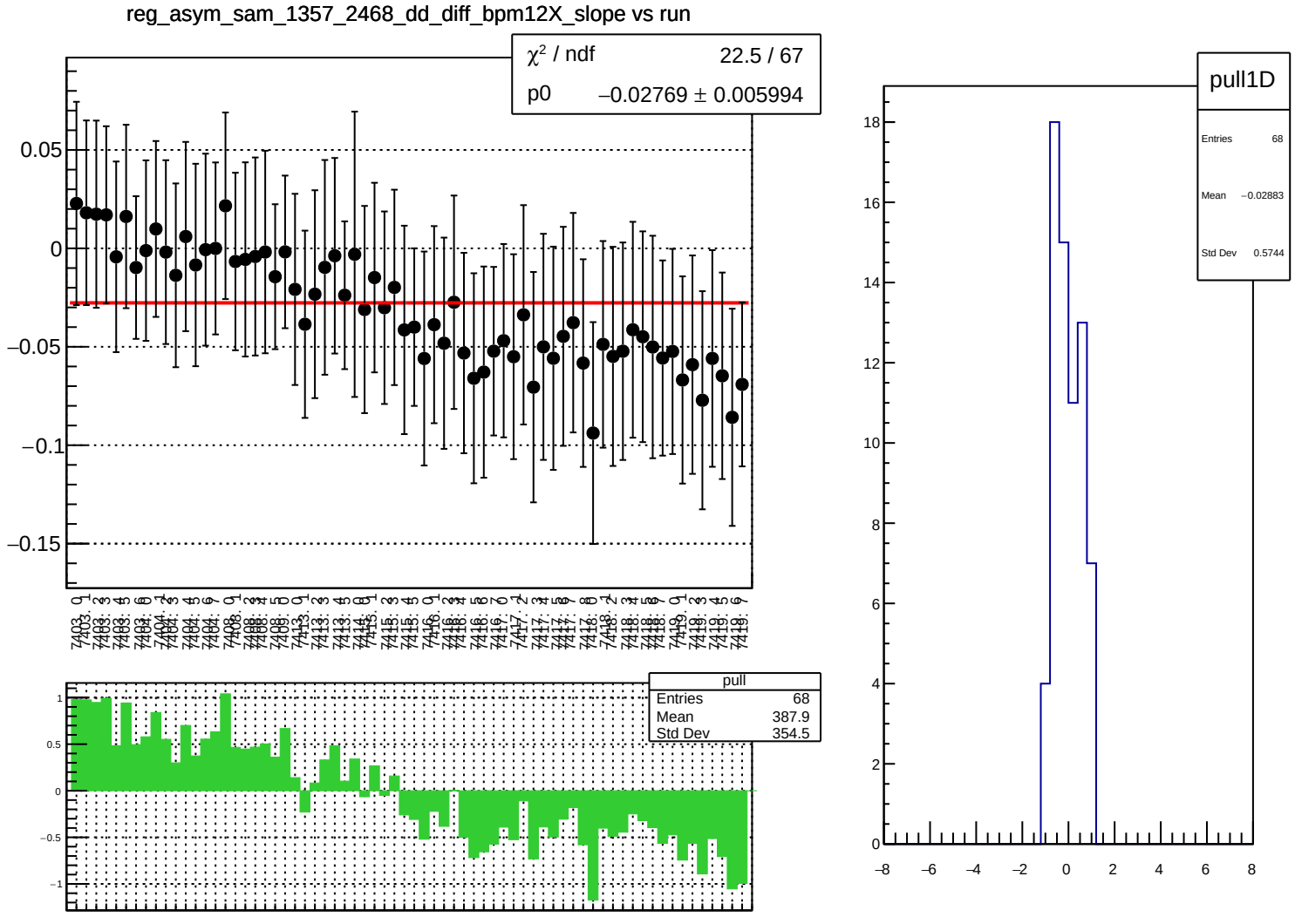

pull1D
Entries 68
Mean 0.0488
Std Dev 2.607

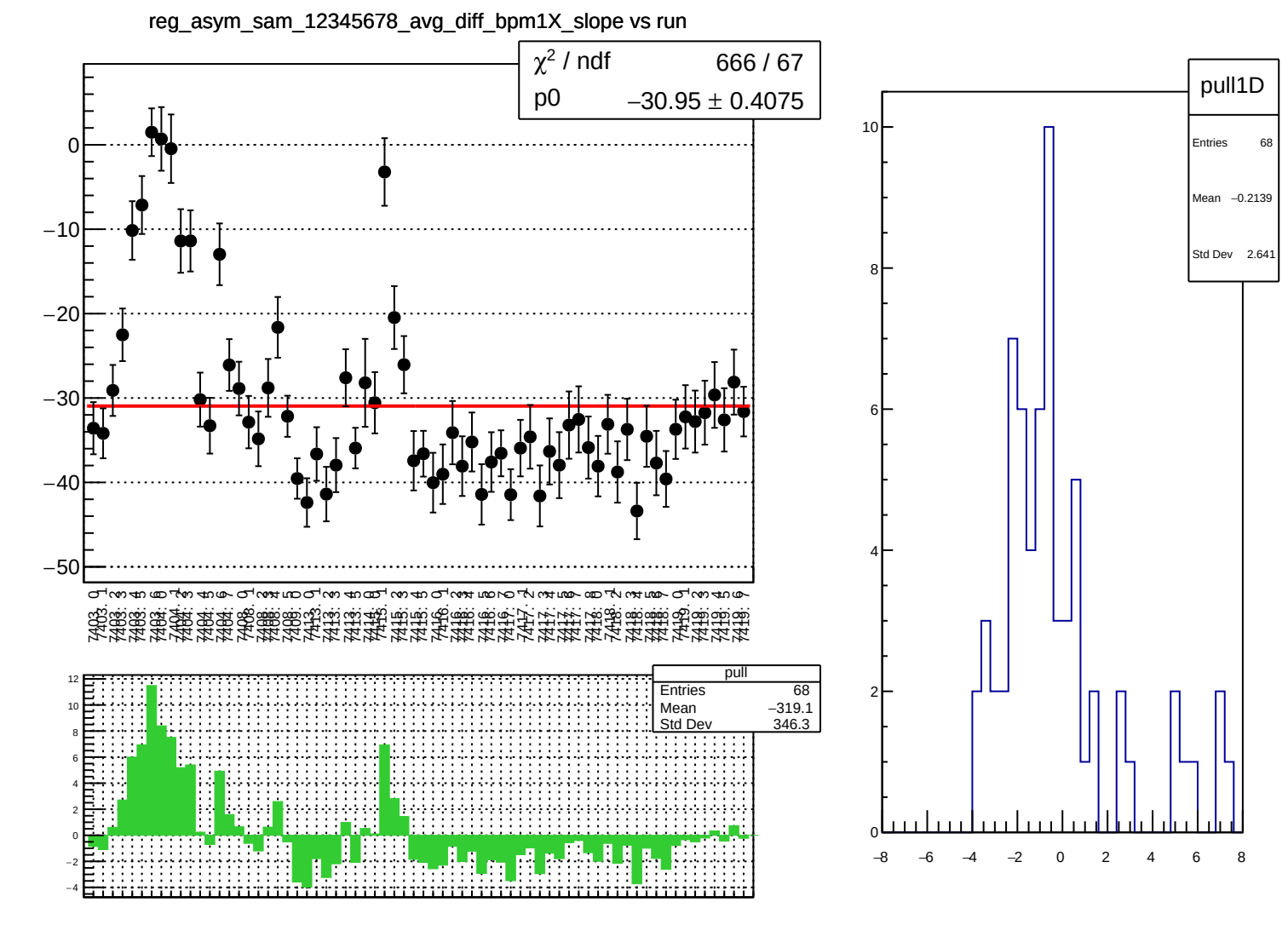

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 212 / 67
p0 −2.921 ± 0.1285
pull
Entries 68
Mean 147
Std Dev 118.1
pull1D
Entries 68
Mean −0.1063
Std Dev 1.763

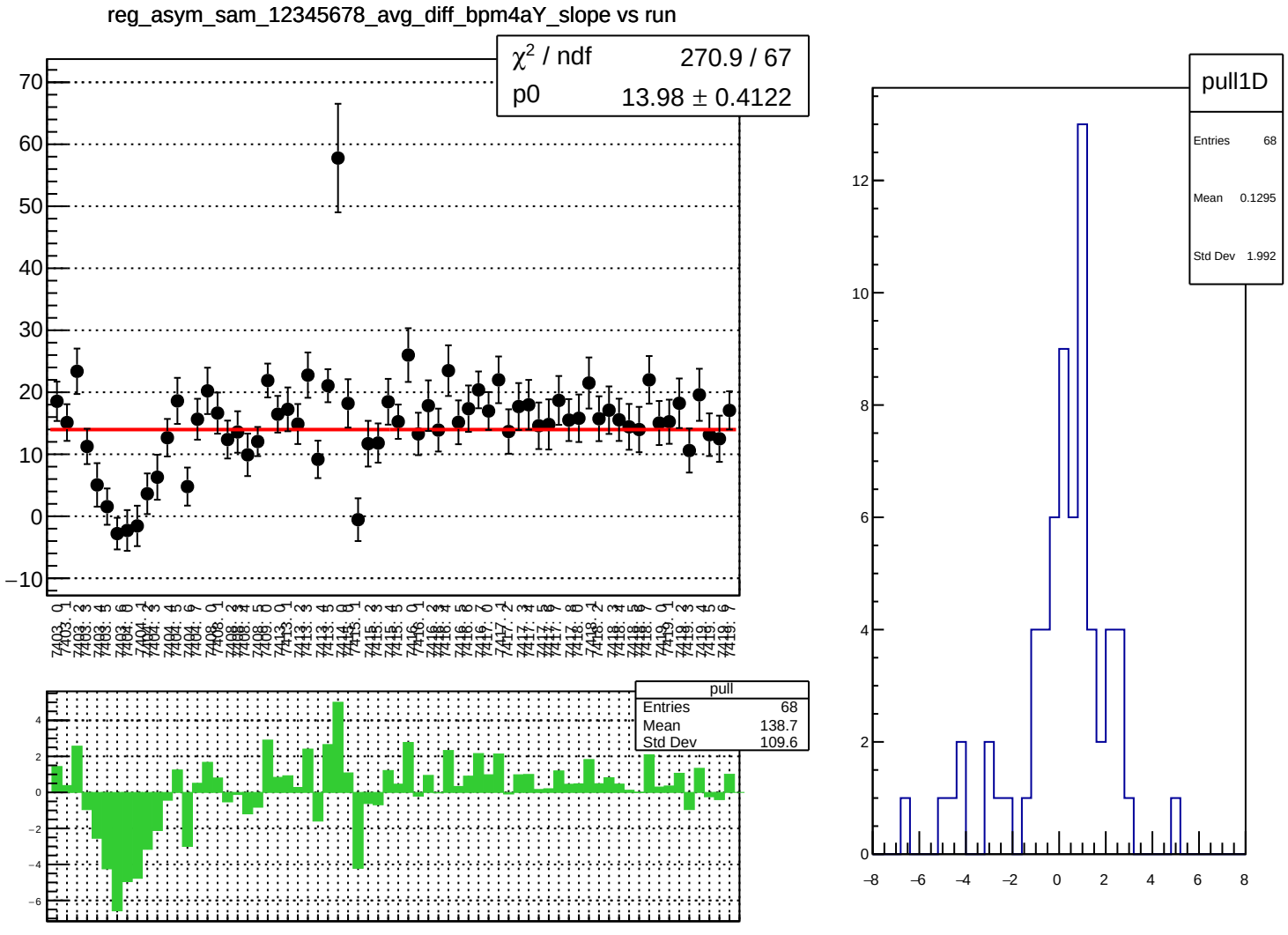

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 351.2 / 67
p0 7.522 ± 0.132
pull
Entries 68
Mean −20
Std Dev 21.66
pull1D
Entries 68
Mean 0.1494
Std Dev 2.268

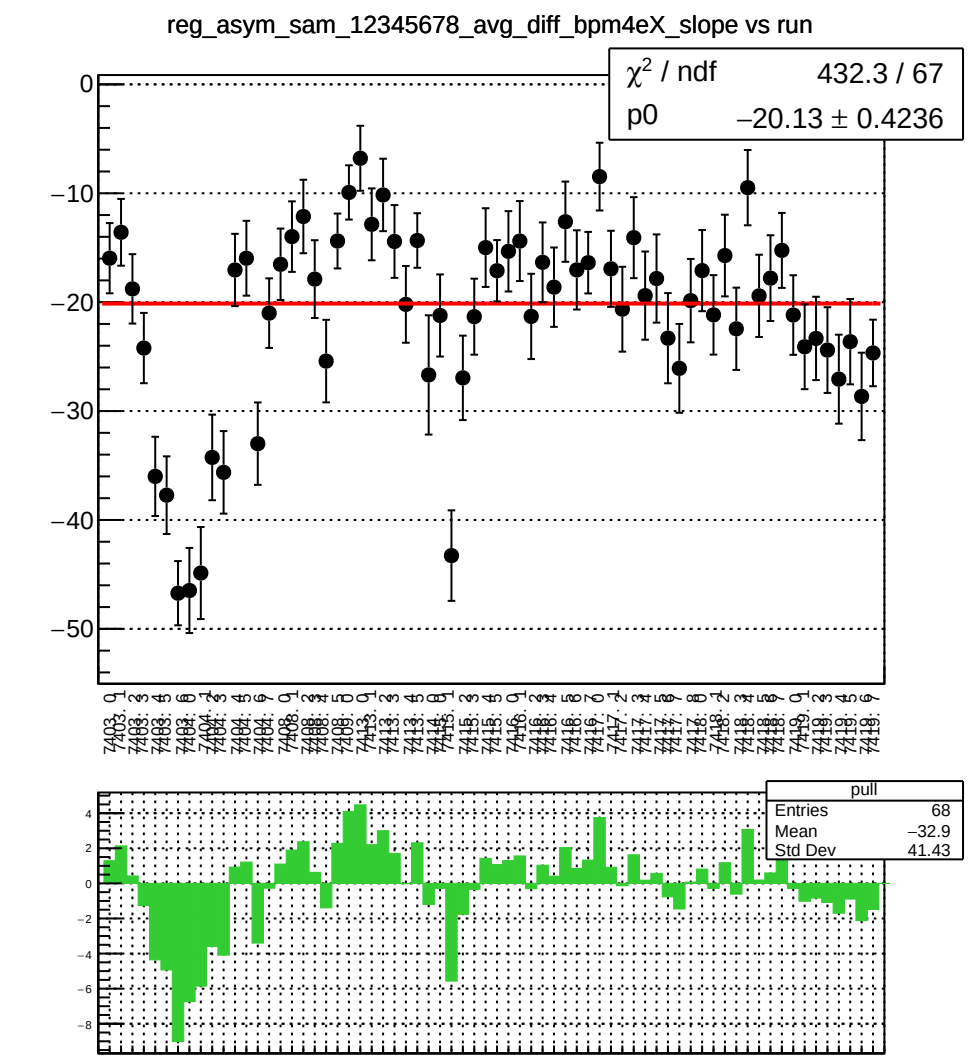

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 132.1 / 67
p0 −5.058 ± 0.1359
pull
Entries 68
Mean −208.7
Std Dev 256

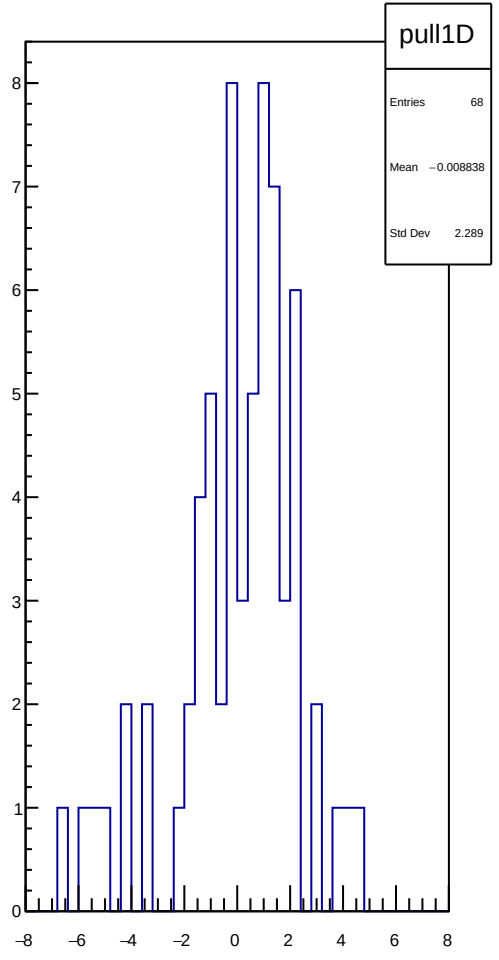

pull1D
Entries 68
Mean 0.02284
Std Dev 1.393

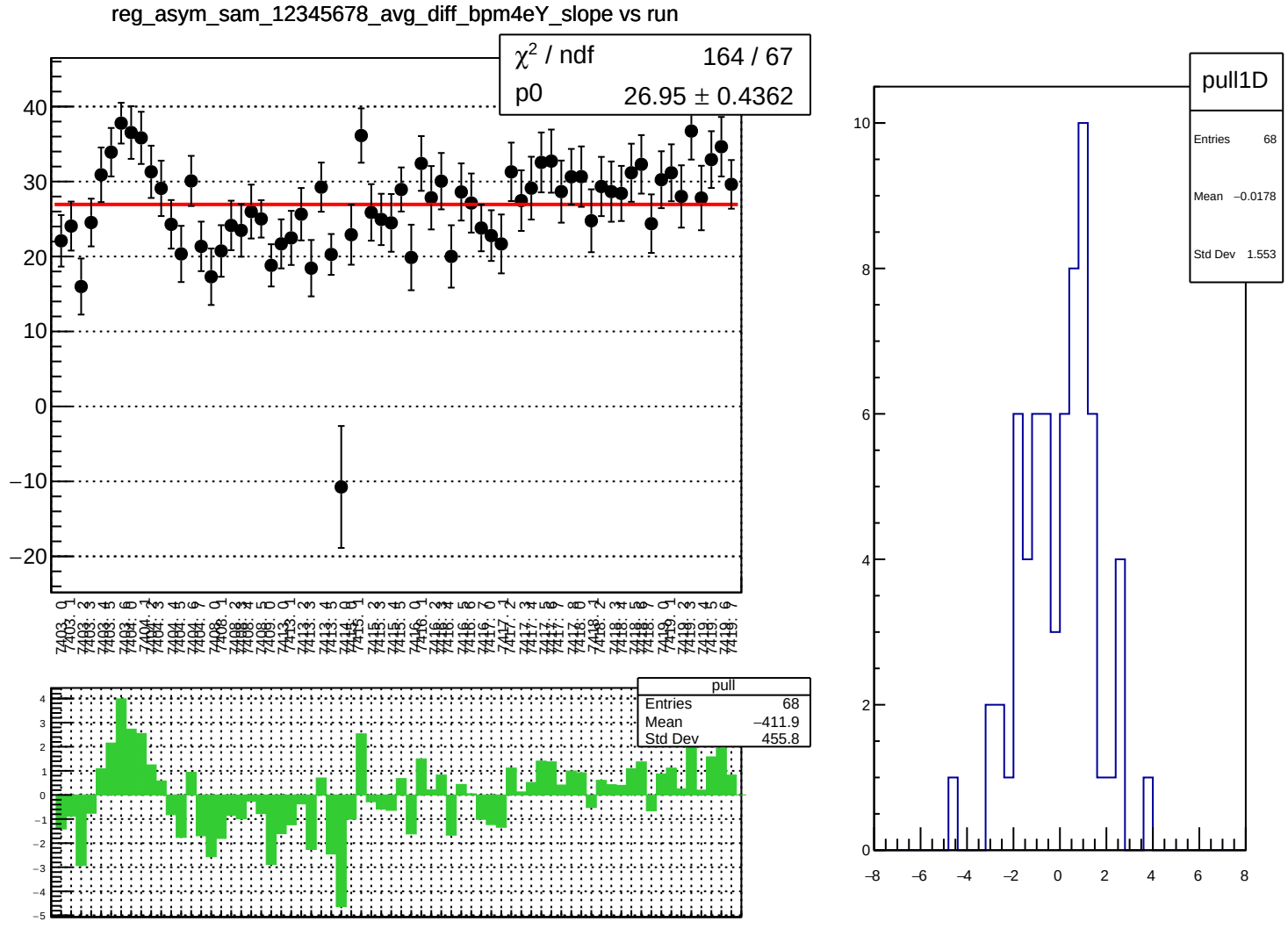

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 22.5 / 67
p0 −0.02769 ± 0.005994
0.05
0
−0.05
−0.1
−0.15
pull
Entries 68
Mean 387.9
Std Dev 354.5
1
0.5
0
−0.5
−1
pull1D
Entries 68
Mean −0.02883
Std Dev 0.5744
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

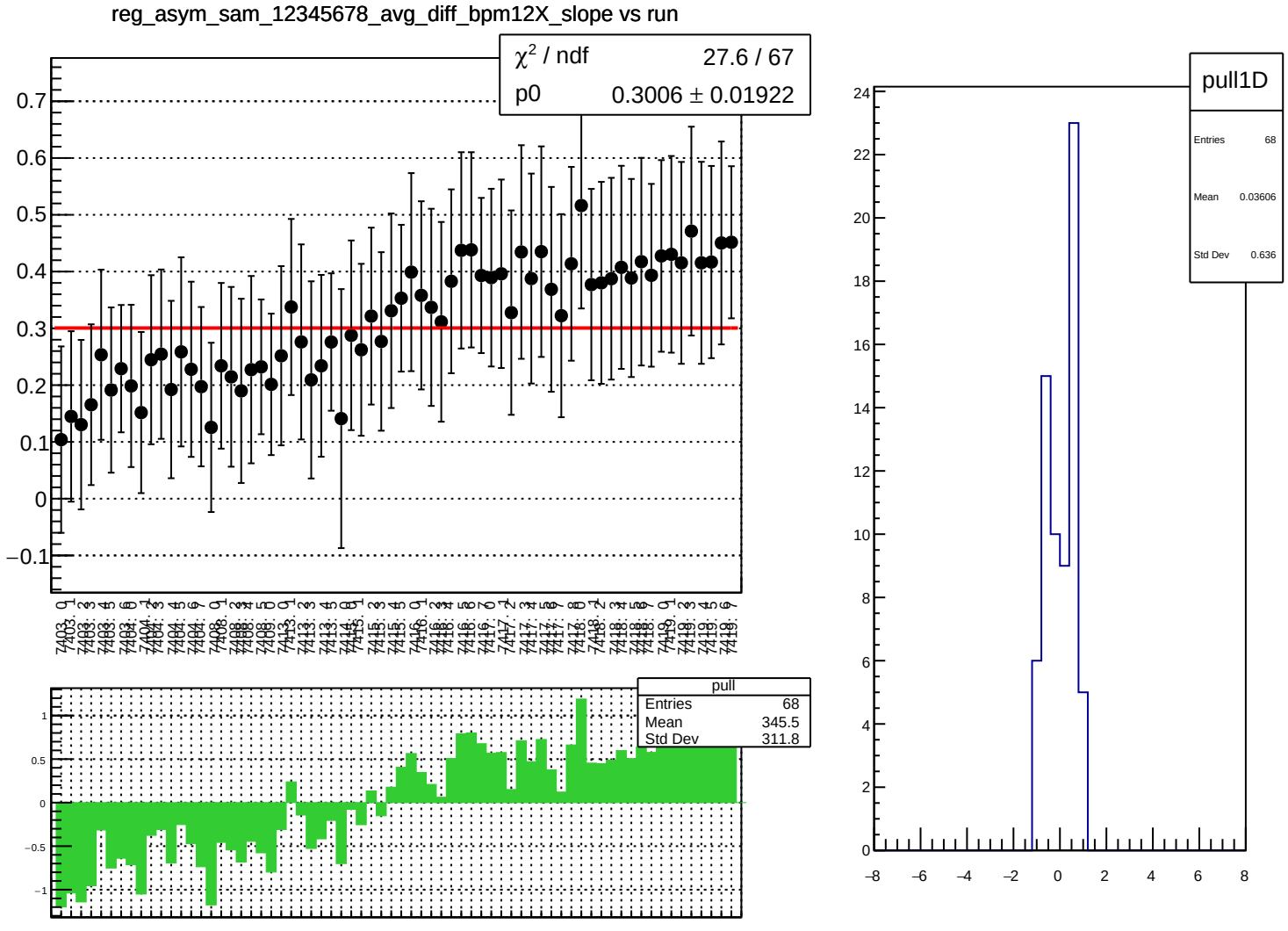

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 666 / 67
p0 −30.95 ± 0.4075
pull
Entries 68
Mean −319.1
Std Dev 346.3
pull1D
Entries 68
Mean −0.2139
Std Dev 2.641

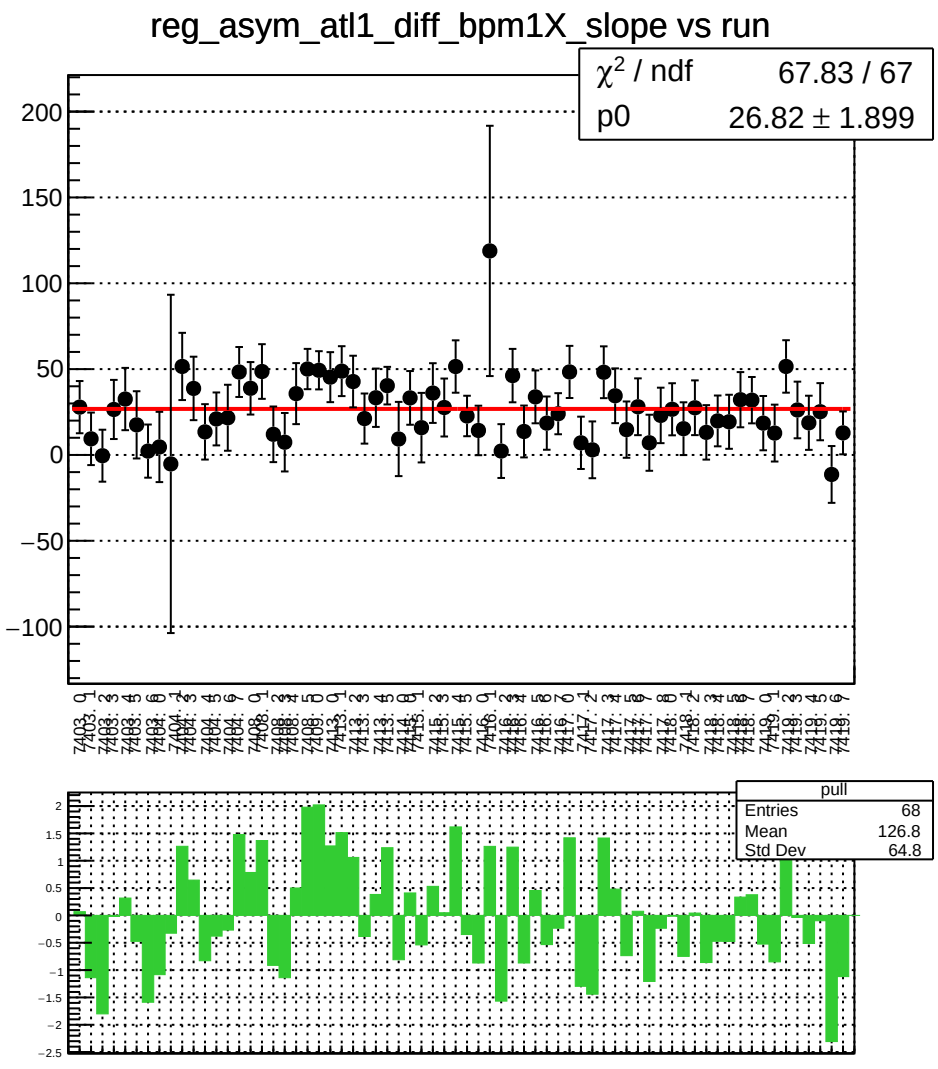

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 270.9 / 67
p0 13.98 ± 0.4122
pull
Entries 68
Mean 138.7
Std Dev 109.6
pull1D
Entries 68
Mean 0.1295
Std Dev 1.992

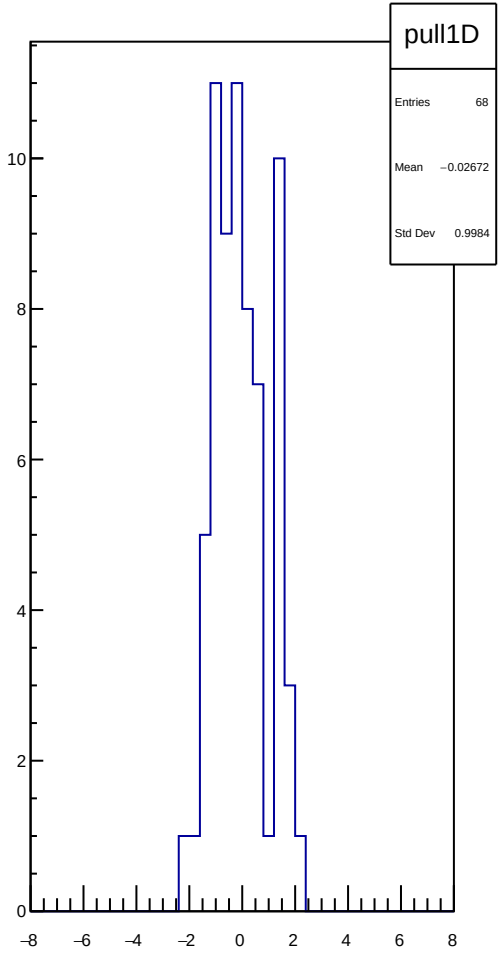

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 432.3 / 67
p0 −20.13 ± 0.4236
pull
Entries 68
Mean −32.9
Std Dev 41.43

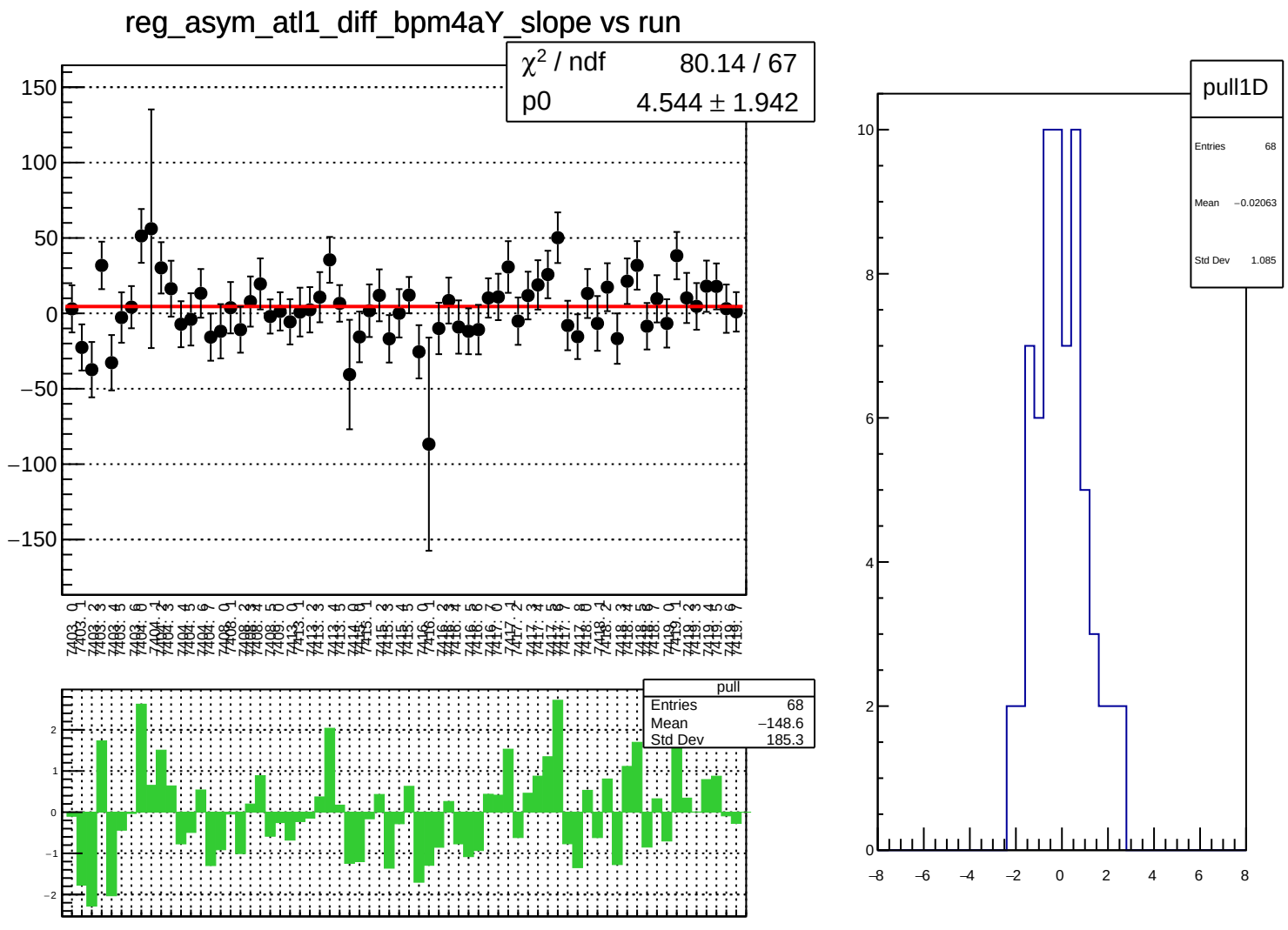

pull1D
Entries 68
Mean −0.008838
Std Dev 2.289

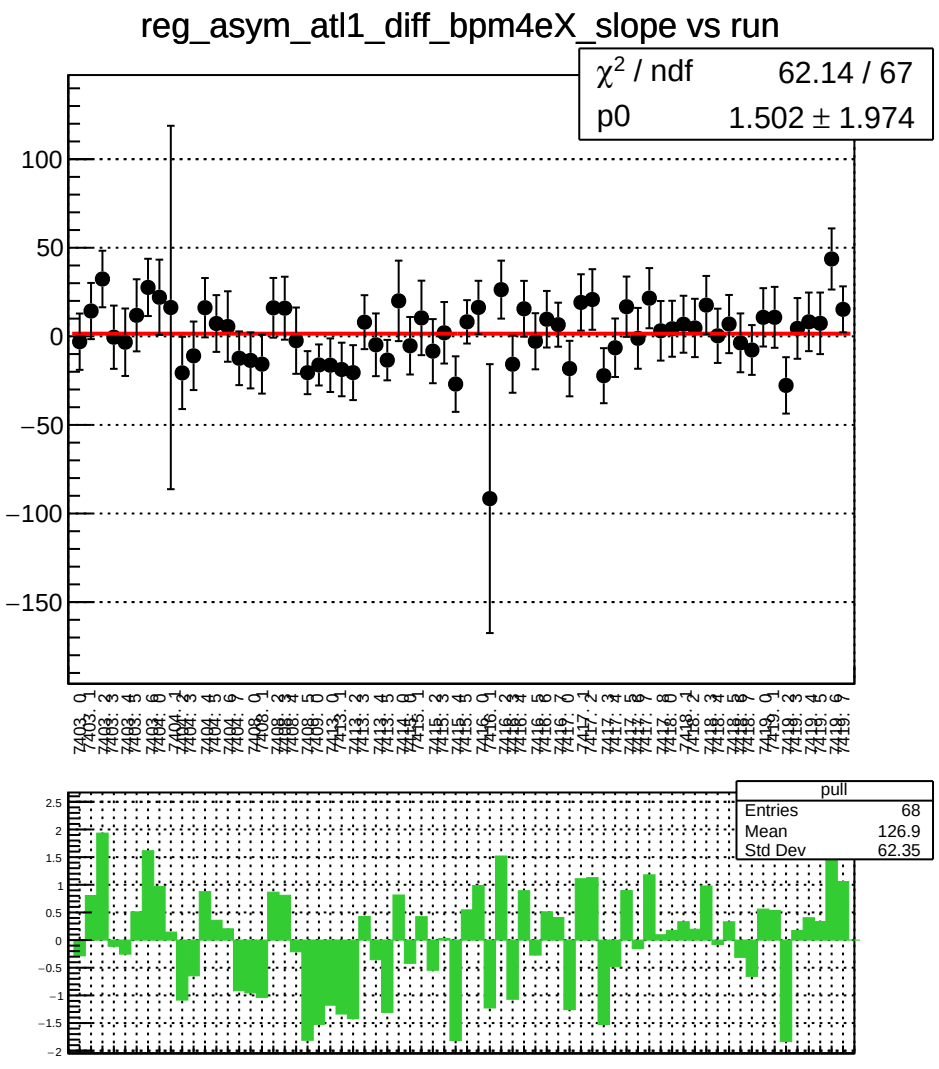

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 164 / 67
p0 26.95 ± 0.4362
pull
Entries 68
Mean −411.9
Std Dev 455.8
pull1D
Entries 68
Mean −0.0178
Std Dev 1.553

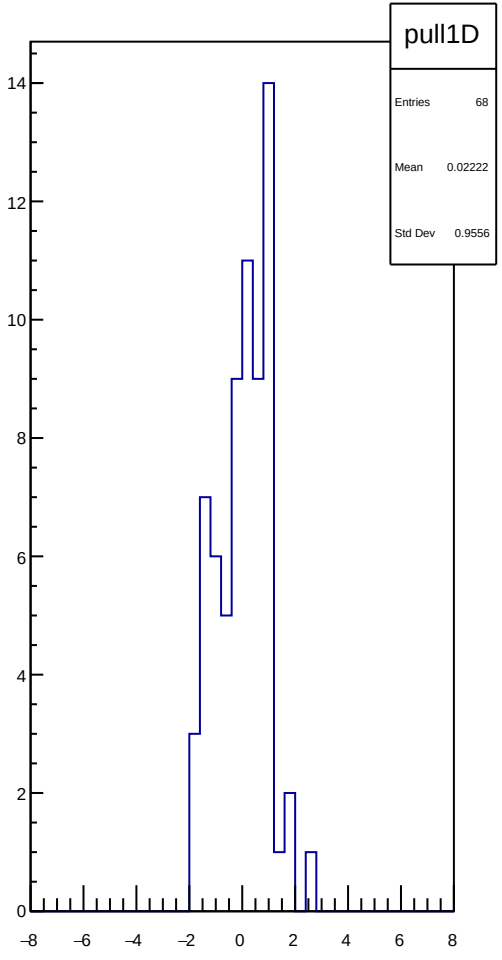

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 27.6 / 67
p0 0.3006 ± 0.01922
pull
Entries 68
Mean 345.5
Std Dev 311.8
pull1D
Entries 68
Mean 0.03606
Std Dev 0.636

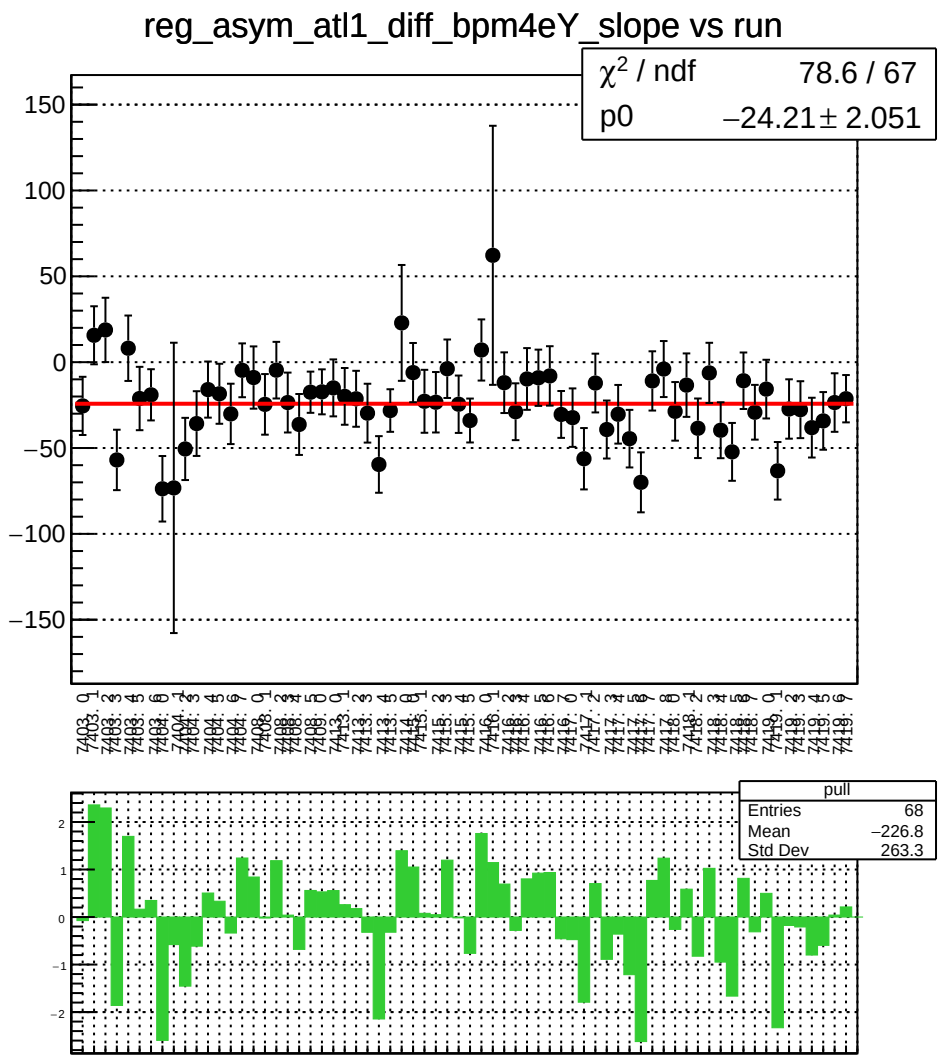

reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 67.83 / 67
p0 26.82 ± 1.899
pull
Entries 68
Mean 126.8
Std Dev 64.8

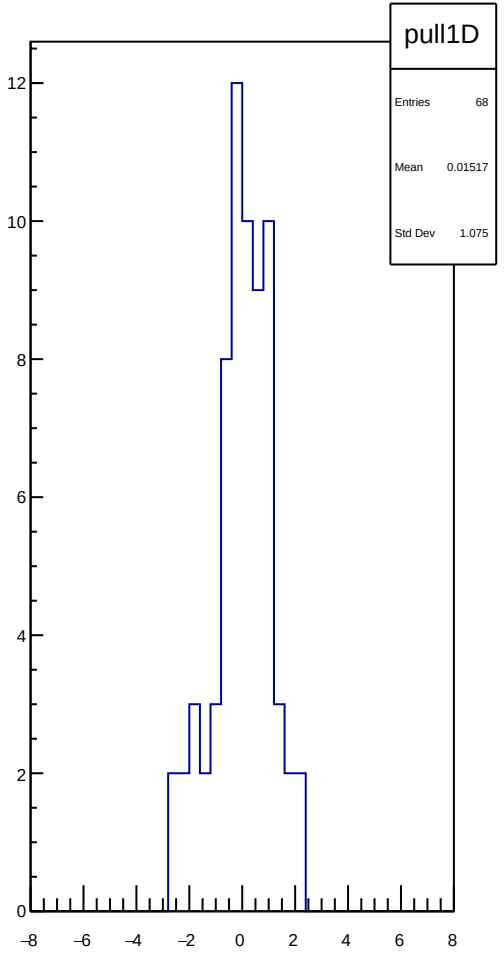

pull1D
Entries 68
Mean −0.02672
Std Dev 0.9984

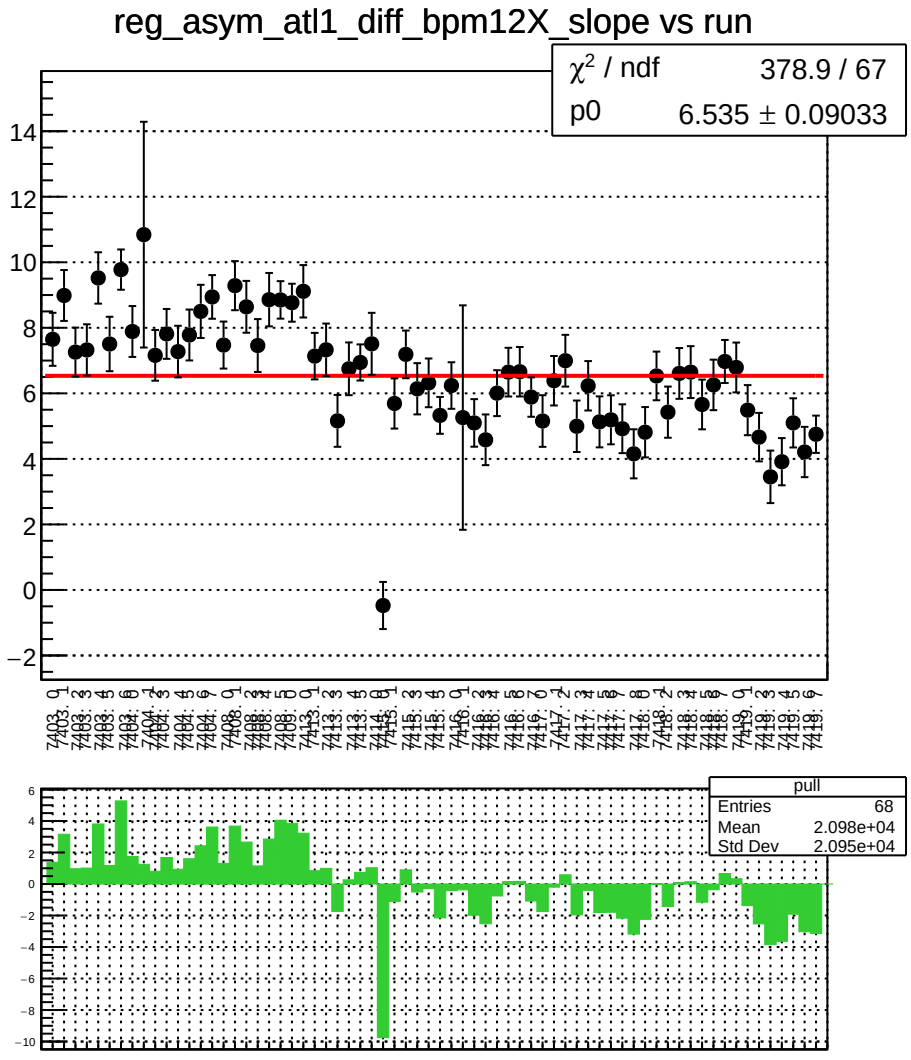

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 80.14 / 67
p0 4.544 ± 1.942
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean −148.6
Std Dev 185.3
pull1D
Entries 68
Mean −0.02063
Std Dev 1.085

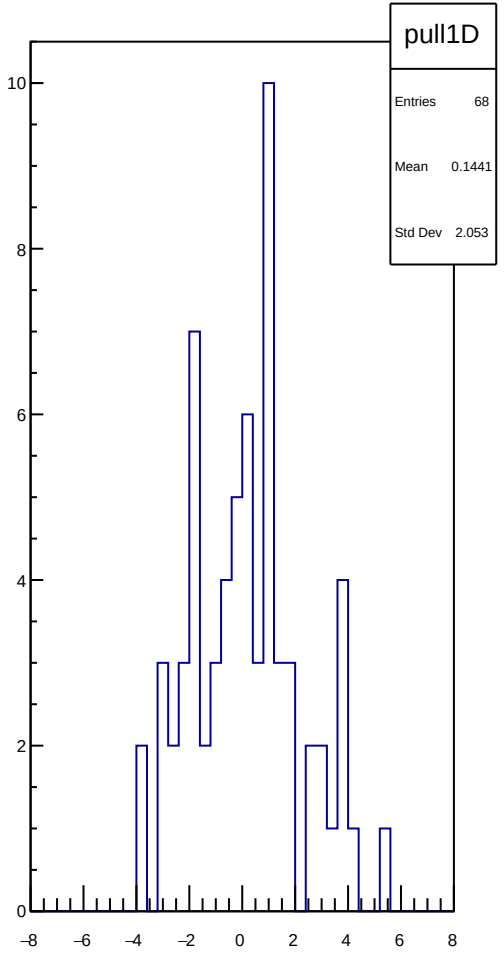

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 62.14 / 67
p0 1.502 ± 1.974
pull
Entries 68
Mean 126.9
Std Dev 62.35

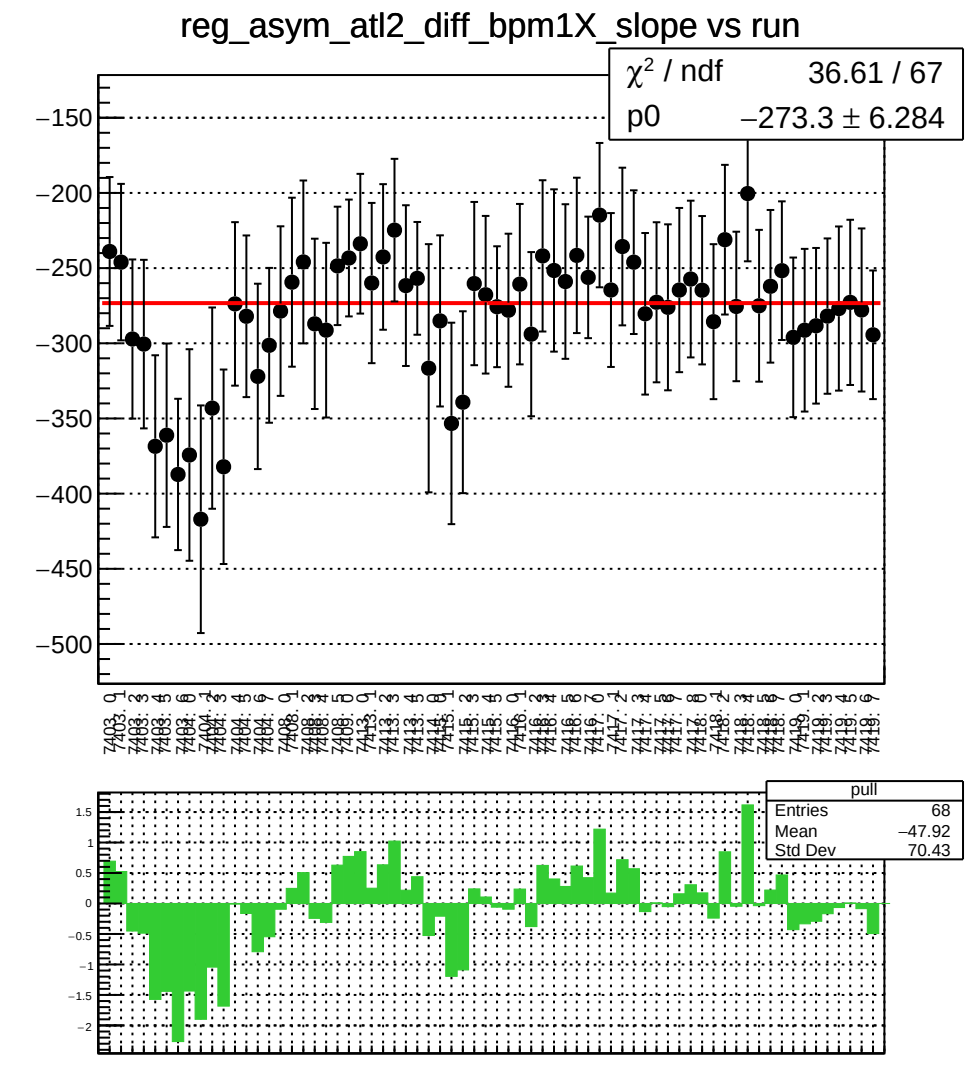

pull1D
Entries 68
Mean 0.02222
Std Dev 0.9556

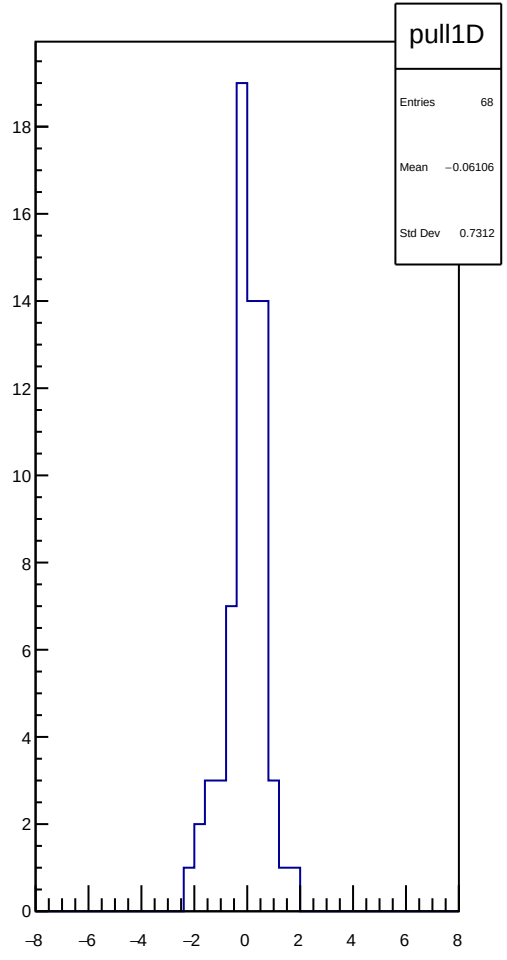

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 78.6 / 67
p0 −24.21 ± 2.051
150
100
50
0
−50
−100
−150
pull
Entries 68
Mean −226.8
Std Dev 263.3
2
1
0
−1
−2

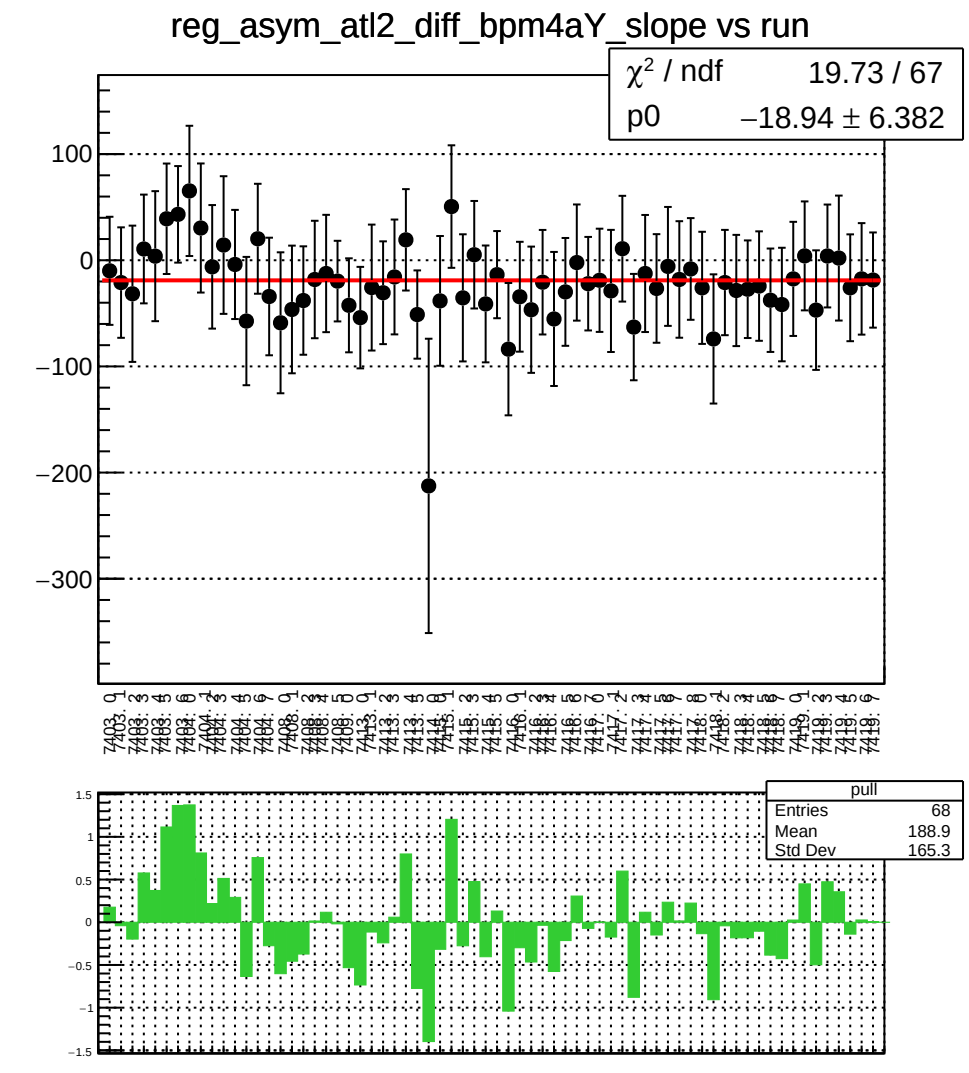

pull1D
Entries 68
Mean 0.01517
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

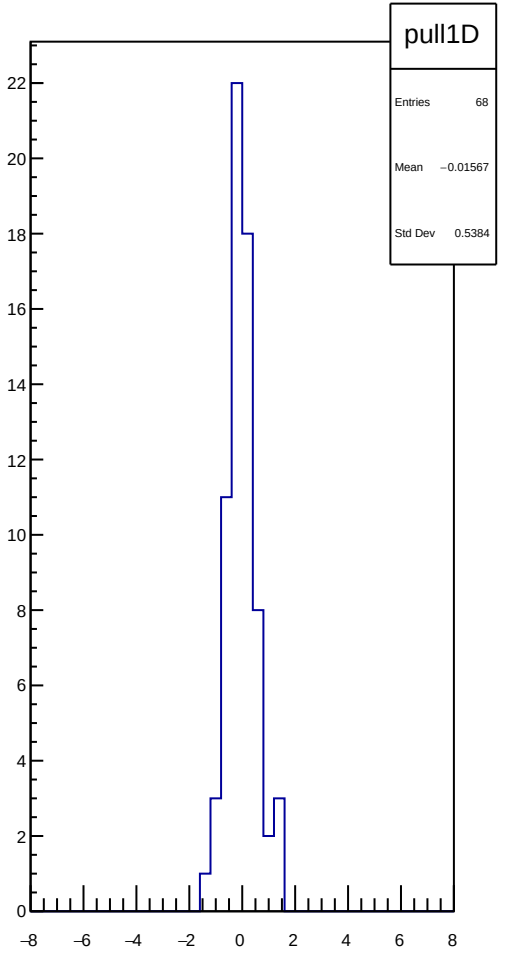

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 378.9 / 67
p0 6.535 ± 0.09033
pull
Entries 68
Mean 2.098e+04
Std Dev 2.095e+04

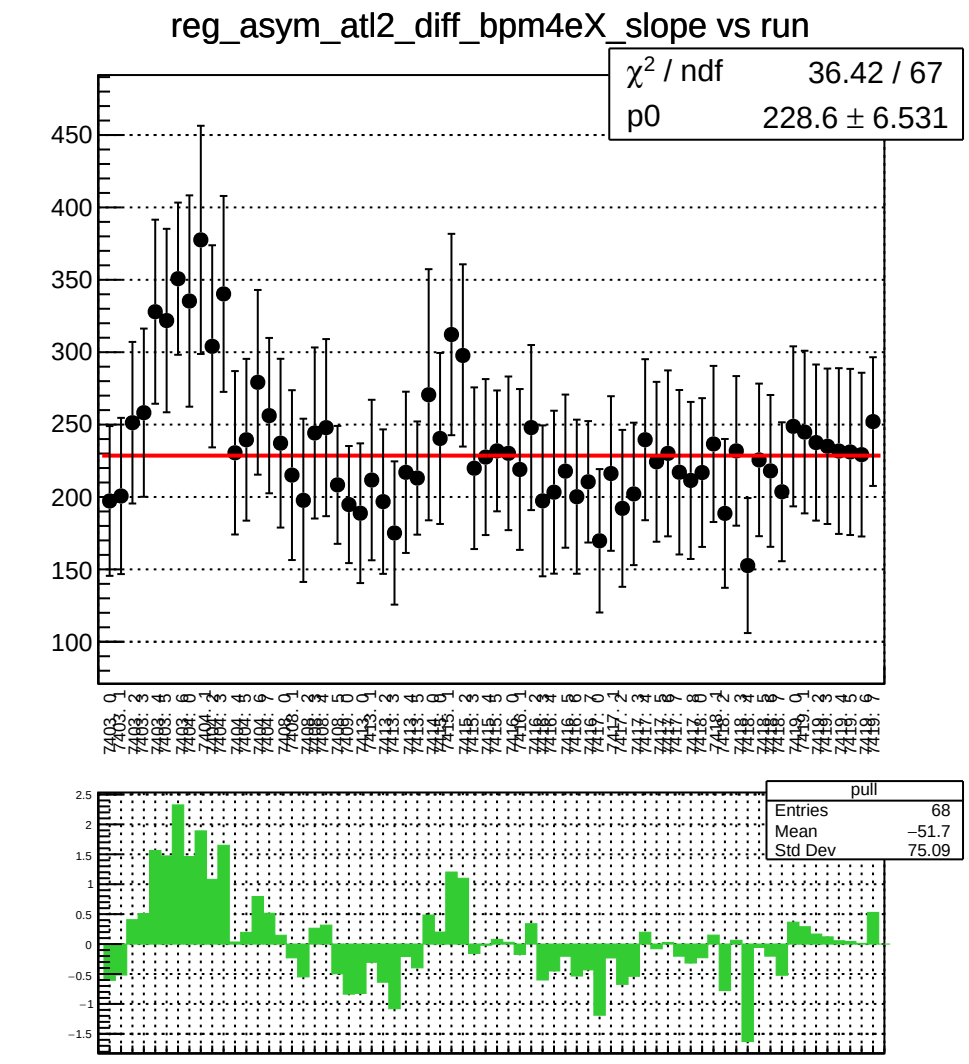

pull1D
Entries 68
Mean 0.1441
Std Dev 2.053

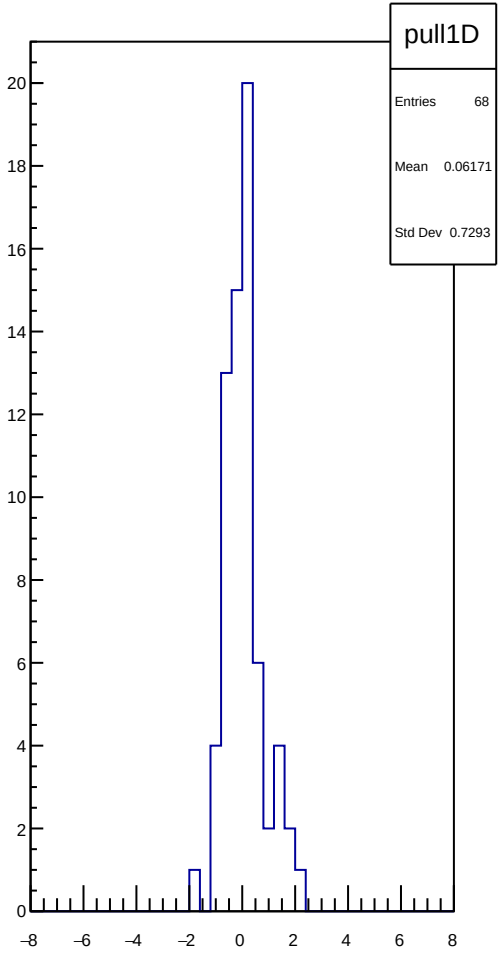

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 36.61 / 67
p0 −273.3 ± 6.284
pull
Entries 68
Mean −47.92
Std Dev 70.43

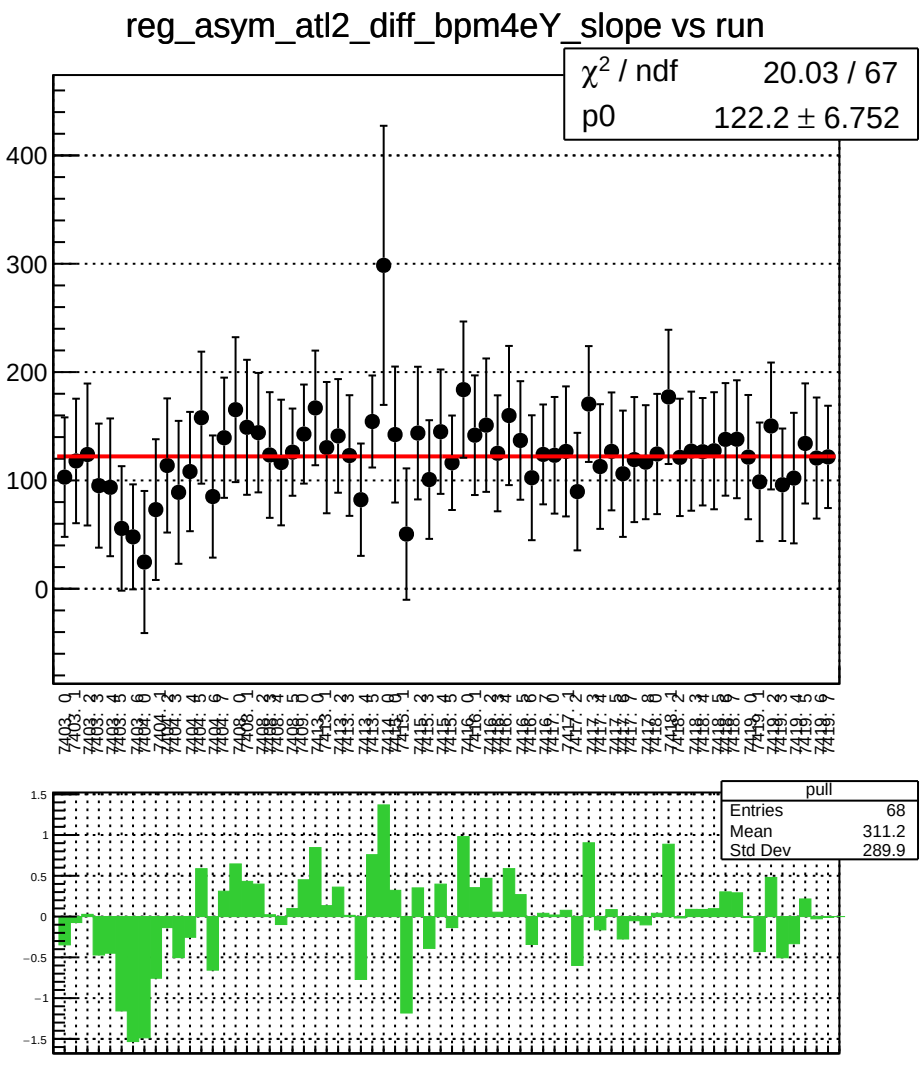

pull1D
Entries 68
Mean −0.06106
Std Dev 0.7312

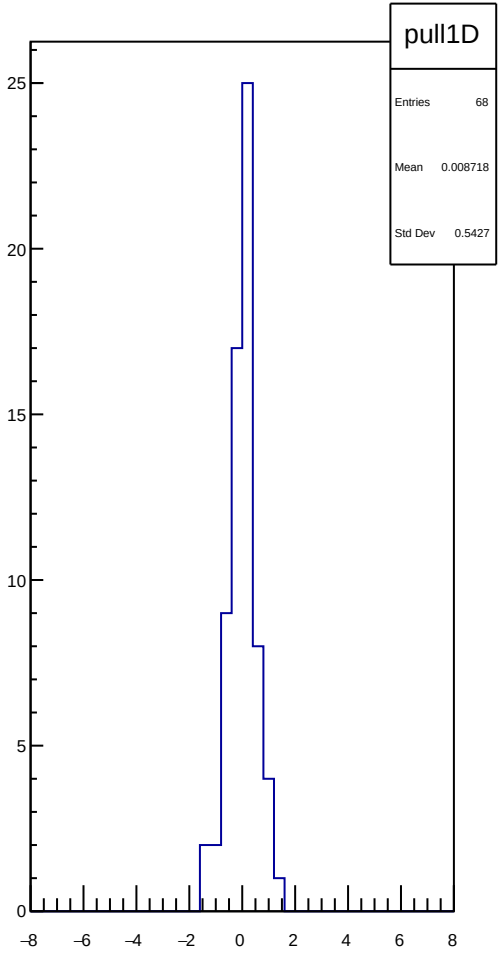

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 19.73 / 67
p0 −18.94 ± 6.382
pull
Entries 68
Mean 188.9
Std Dev 165.3


pull1D
Entries 68
Mean −0.01567
Std Dev 0.5384

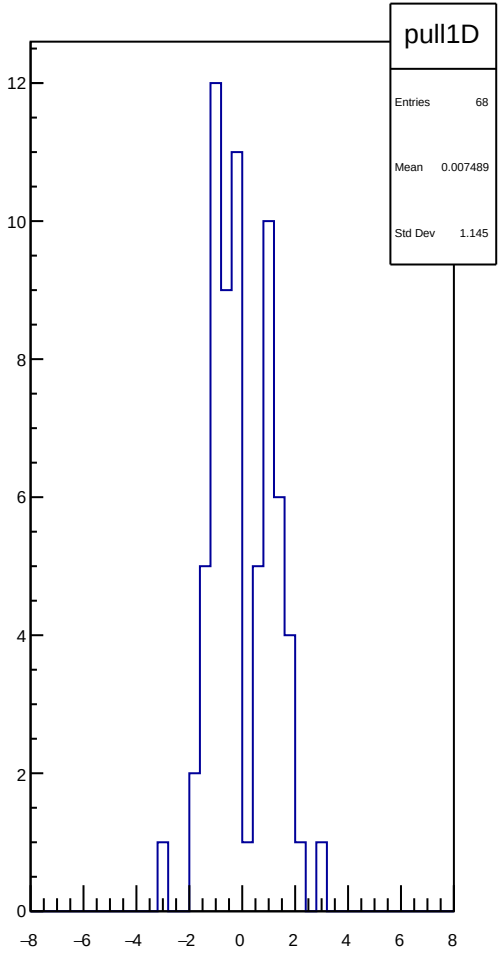

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 36.42 / 67
p0 228.6 ± 6.531
pull
Entries 68
Mean −51.7
Std Dev 75.09

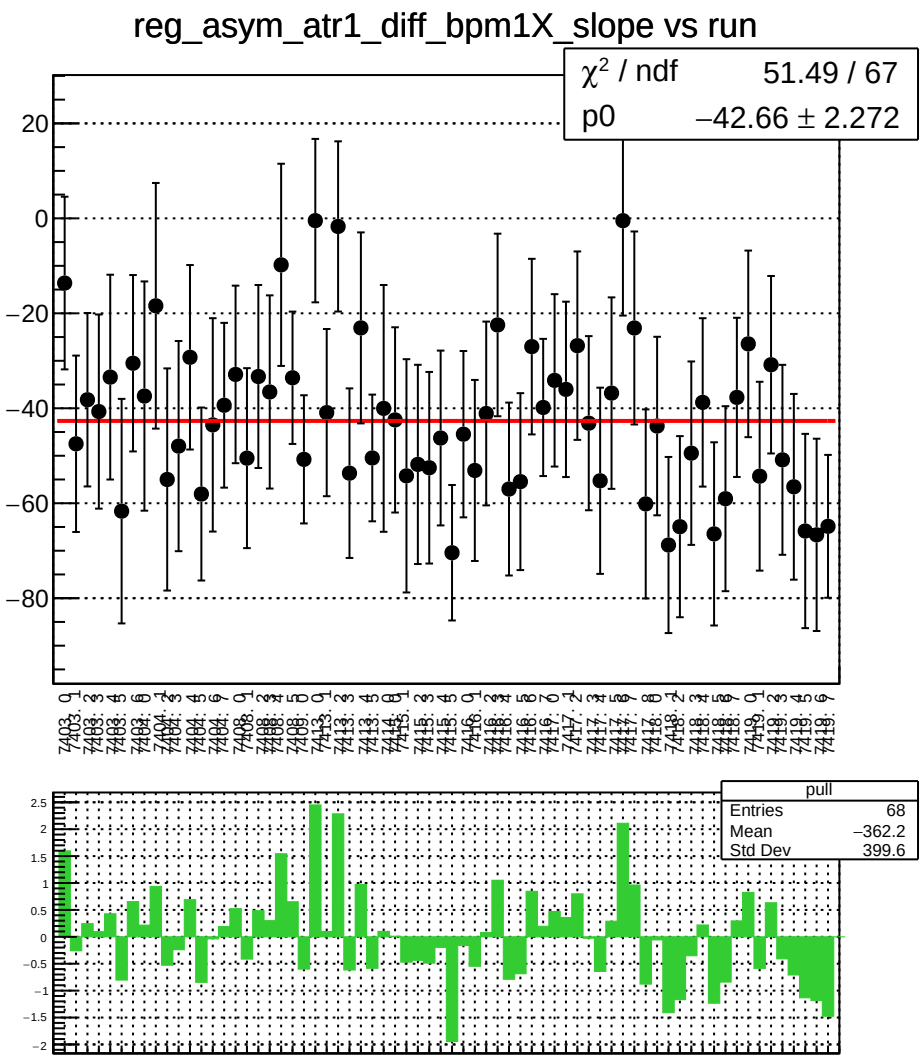

pull1D
Entries 68
Mean 0.06171
Std Dev 0.7293

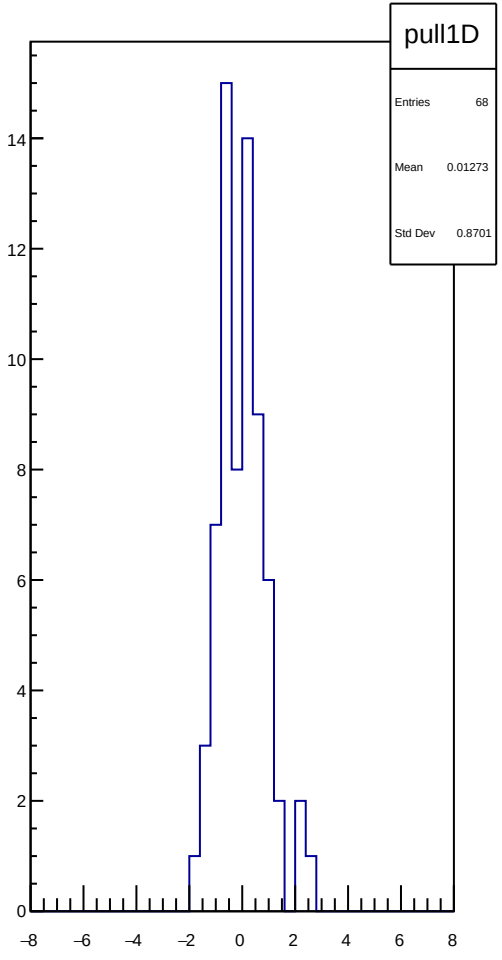

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 20.03 / 67
p0 122.2 ± 6.752
400
300
200
100
0
pull
Entries 68
Mean 311.2
Std Dev 289.9
1.5
1
0.5
0
−0.5
−1
−1.5

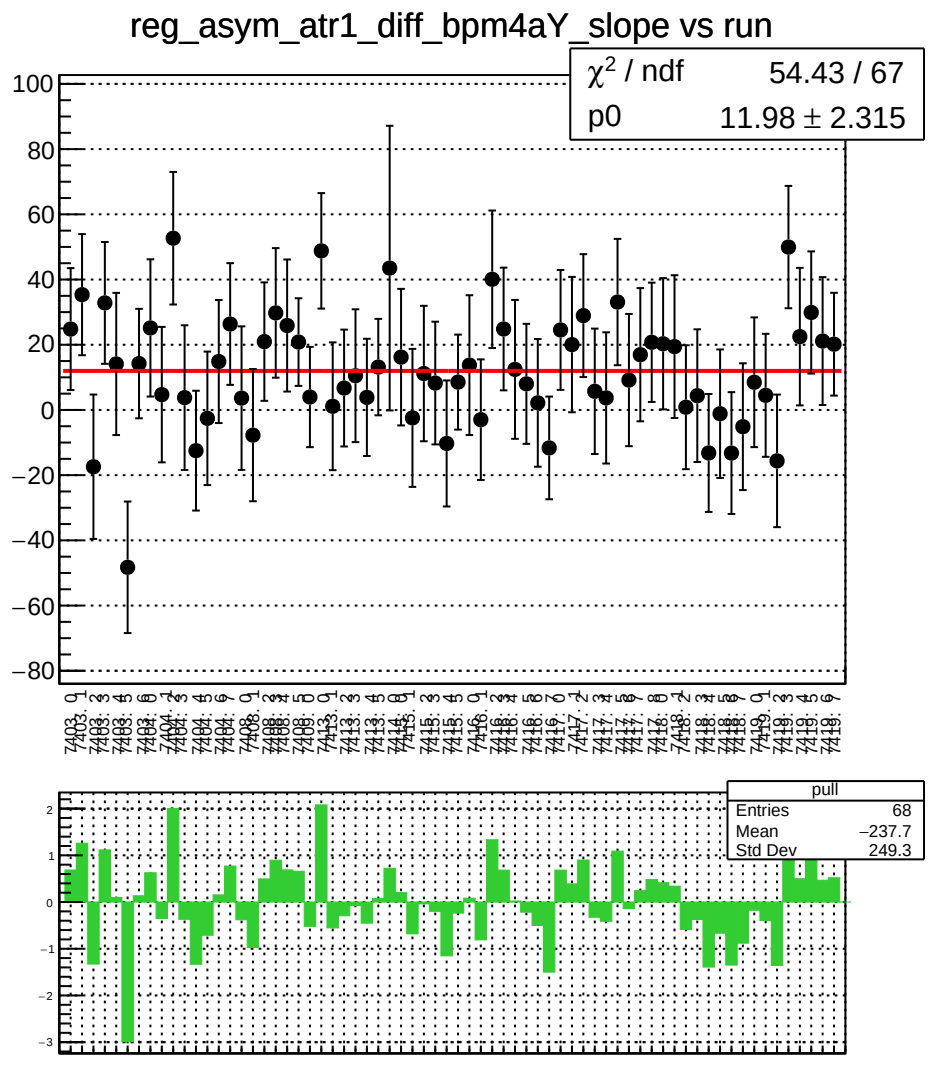

pull1D
Entries 68
Mean 0.008718
Std Dev 0.5427
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

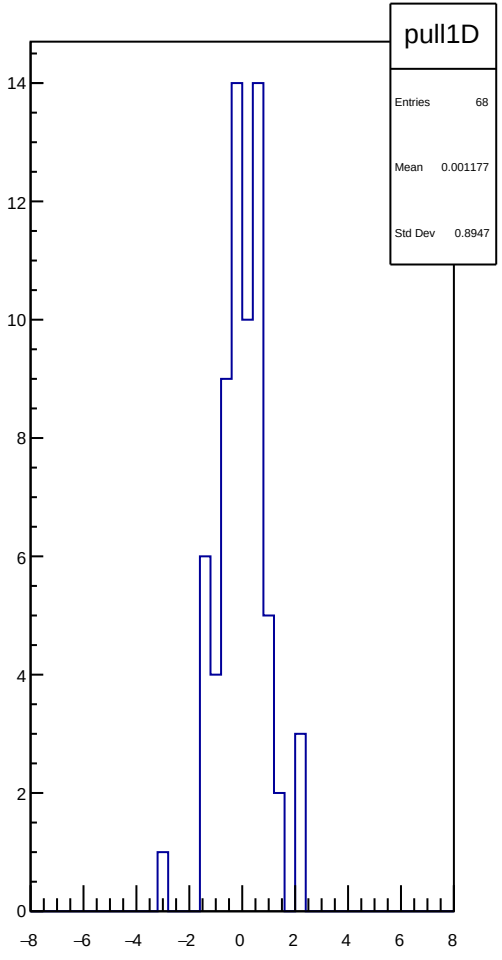
reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 89.12 / 67
p0 −212.9 ± 0.2984
pull
Entries 68
Mean −1342
Std Dev 1370

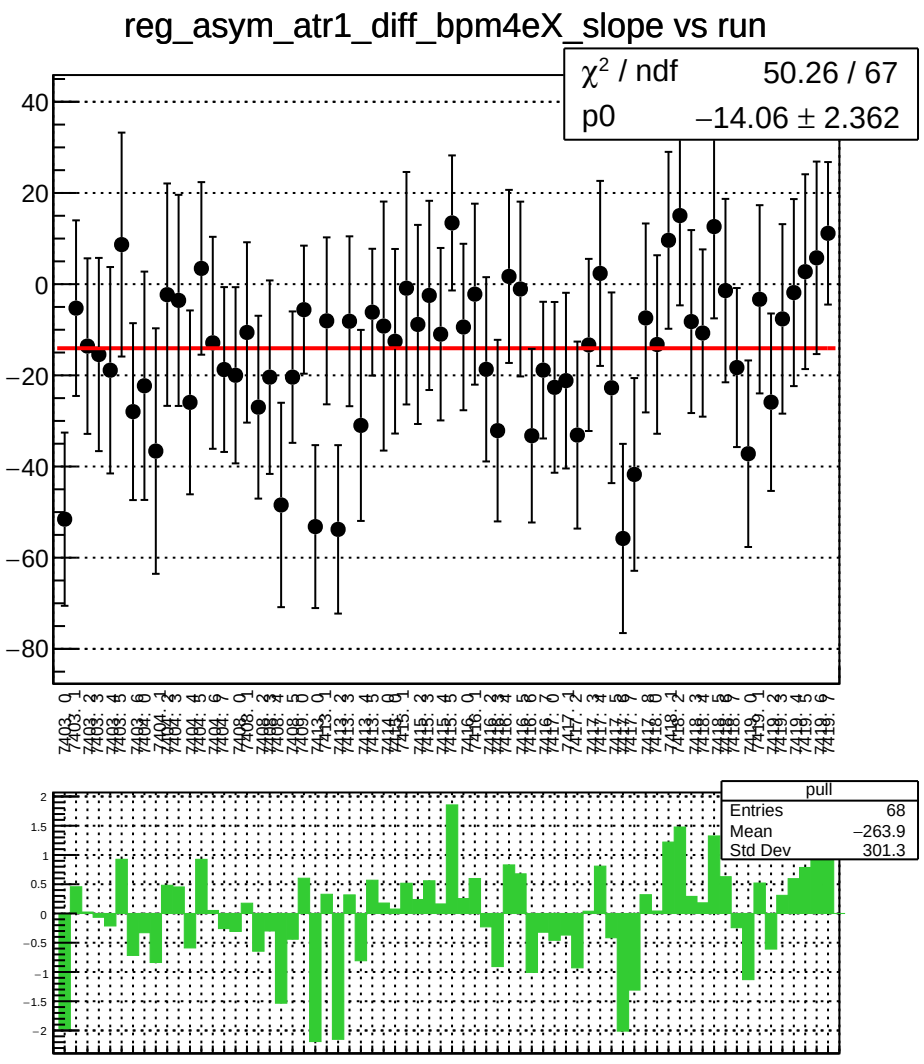

pull1D
Entries 68
Mean 0.007489
Std Dev 1.145

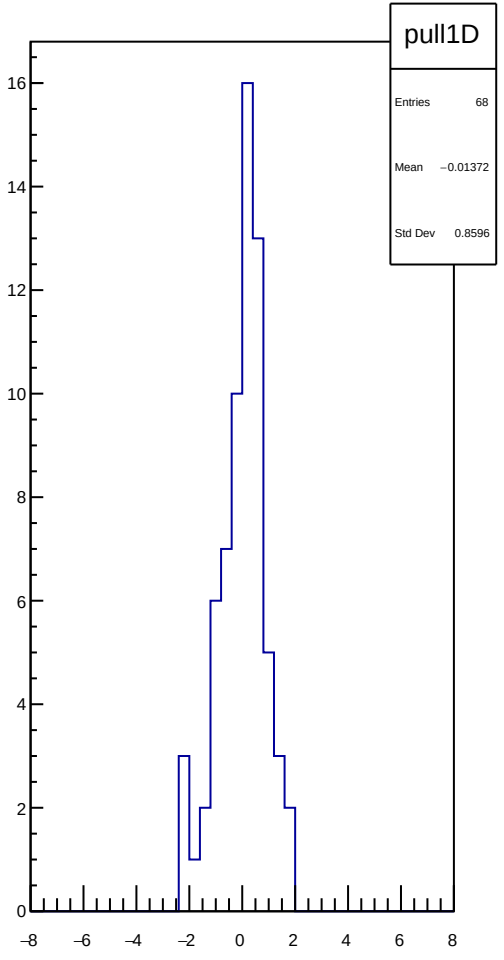

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 51.49 / 67
p0 −42.66 ± 2.272
pull
Entries 68
Mean −362.2
Std Dev 399.6

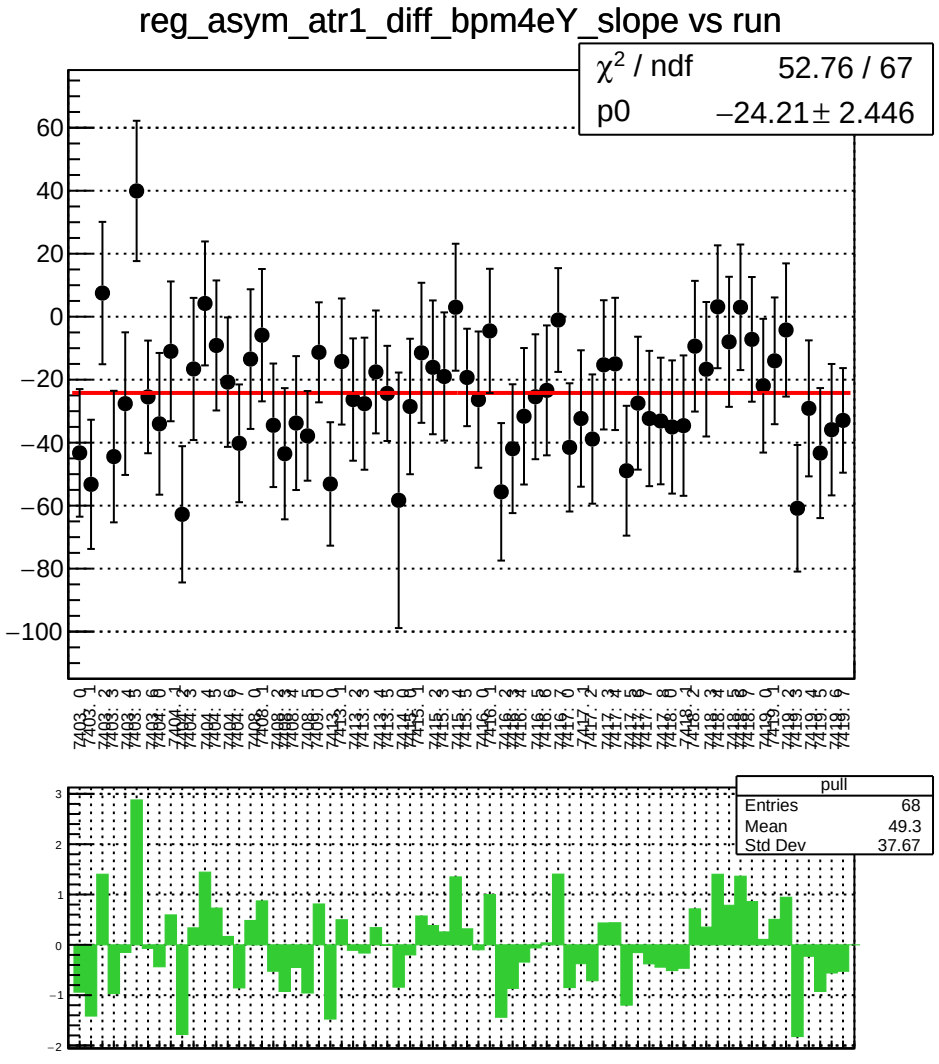

pull1D
Entries 68
Mean 0.01273
Std Dev 0.8701

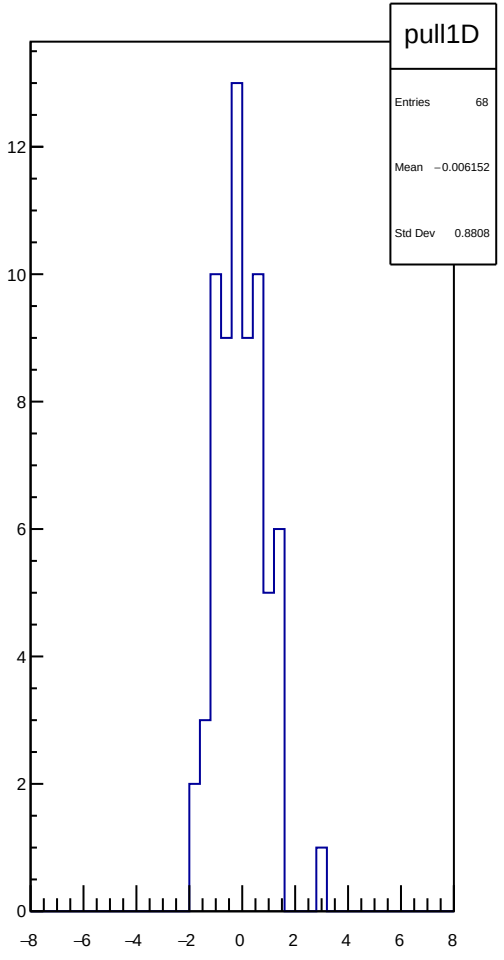

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 54.43 / 67
p0 11.98 ± 2.315
pull
Entries 68
Mean −237.7
Std Dev 249.3

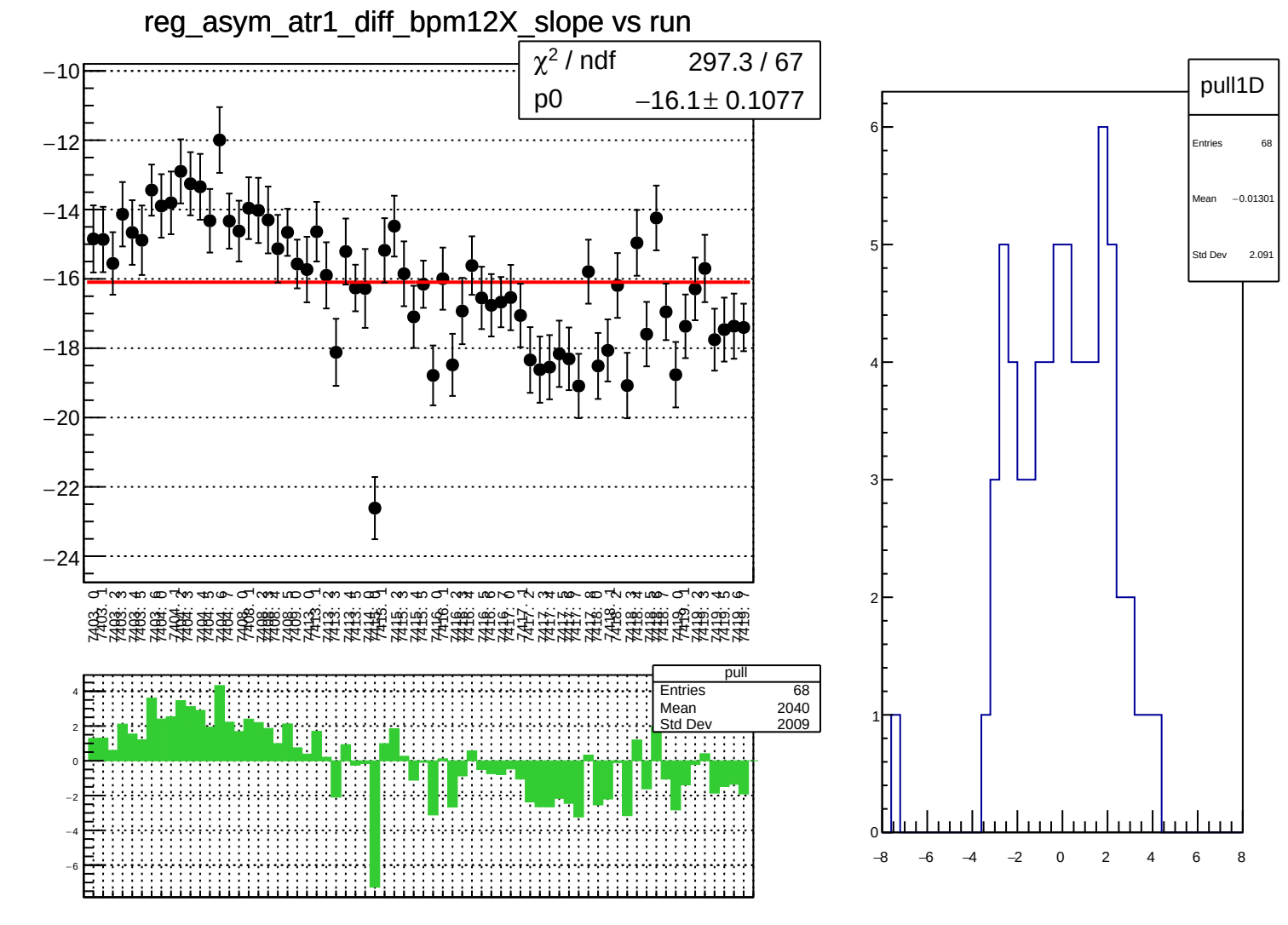

pull1D
Entries 68
Mean 0.001177
Std Dev 0.8947

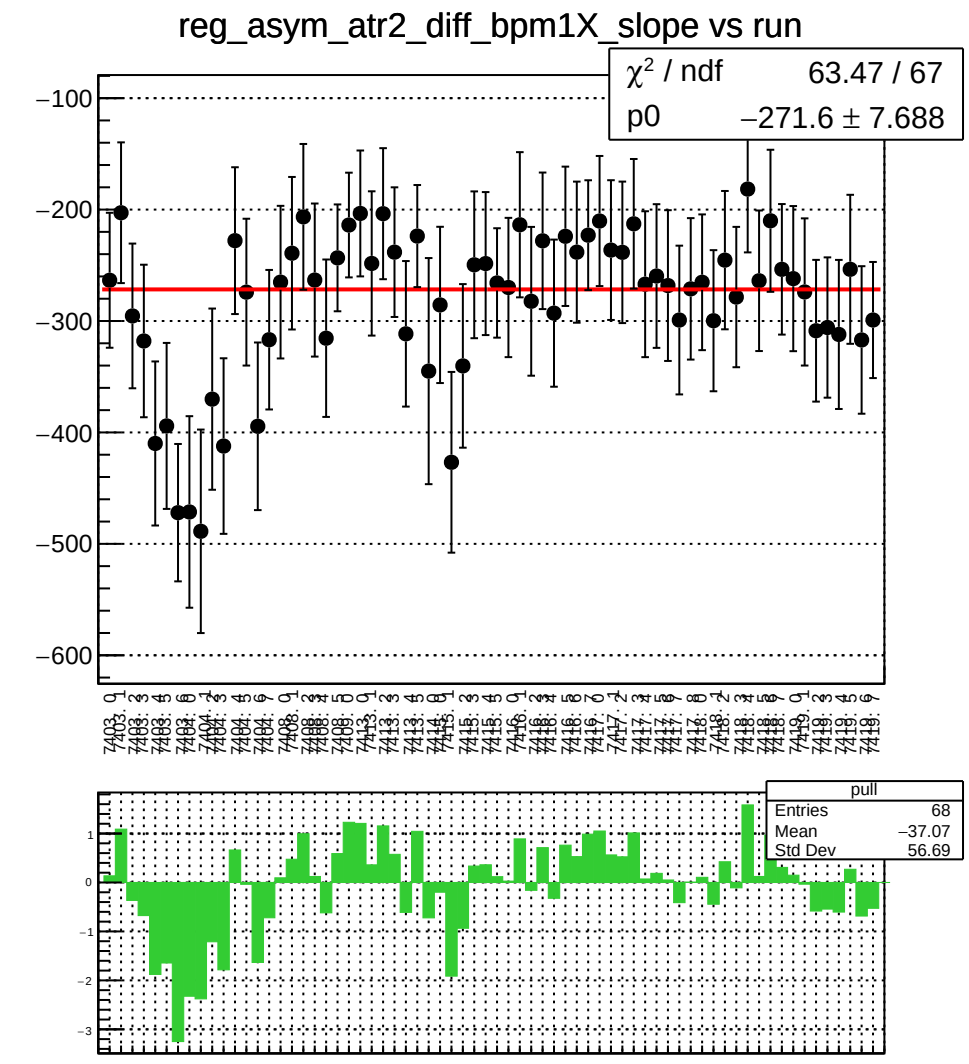

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 50.26 / 67
p0 −14.06 ± 2.362
pull
Entries 68
Mean −263.9
Std Dev 301.3

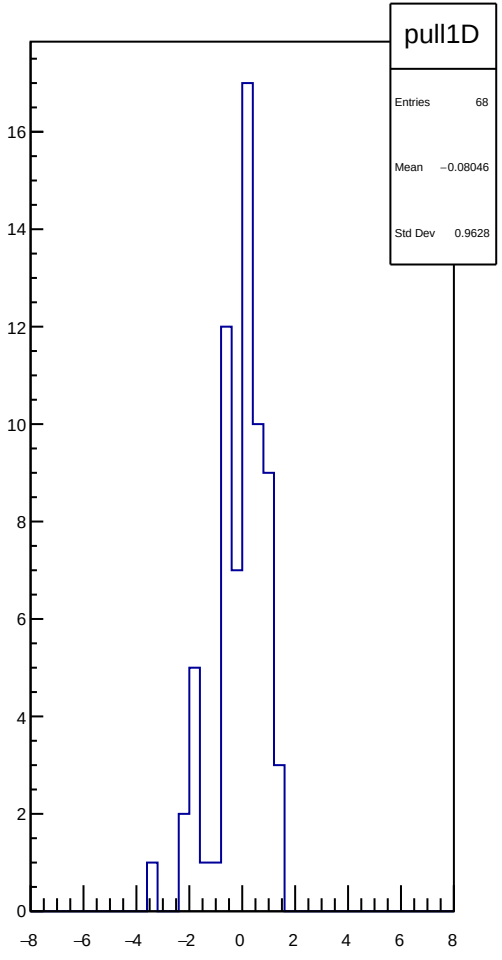

pull1D
Entries 68
Mean −0.01372
Std Dev 0.8596

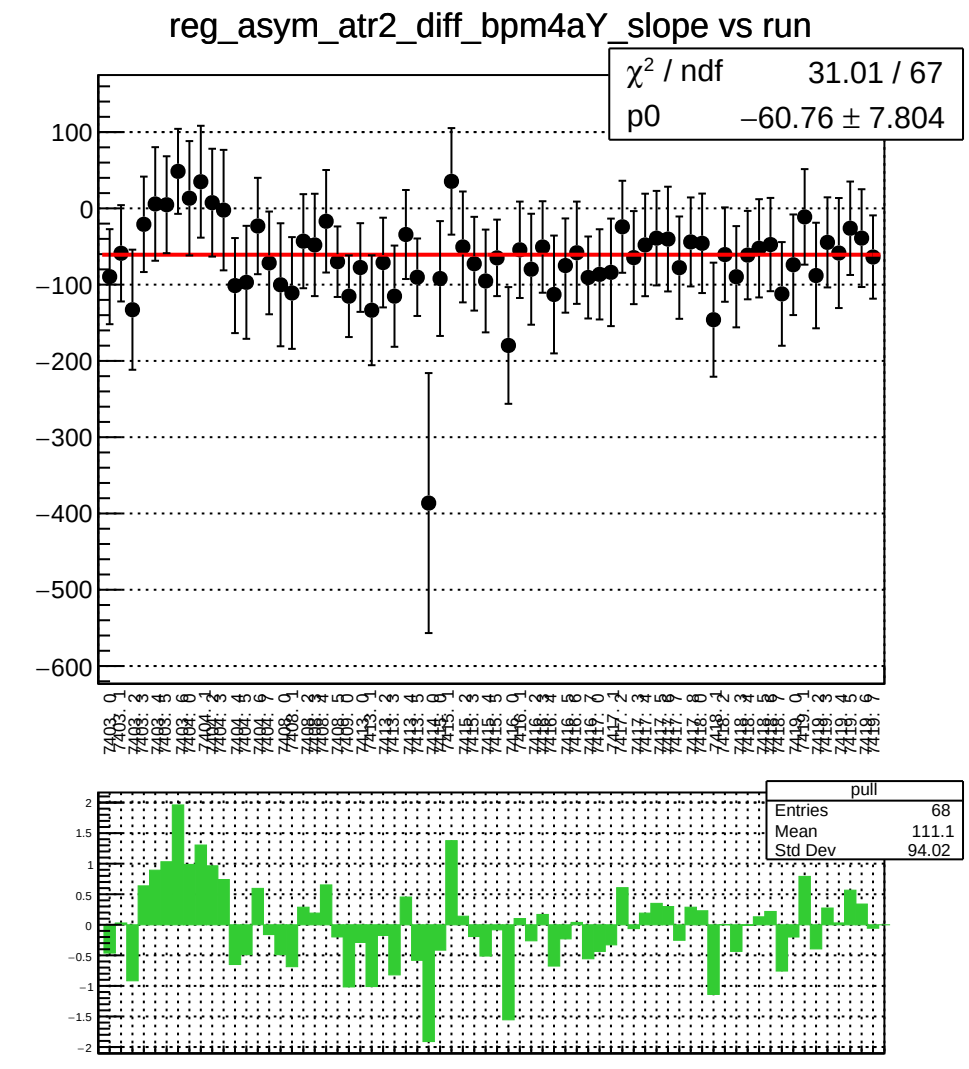

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 52.76 / 67
p0 −24.21 ± 2.446
pull
Entries 68
Mean 49.3
Std Dev 37.67

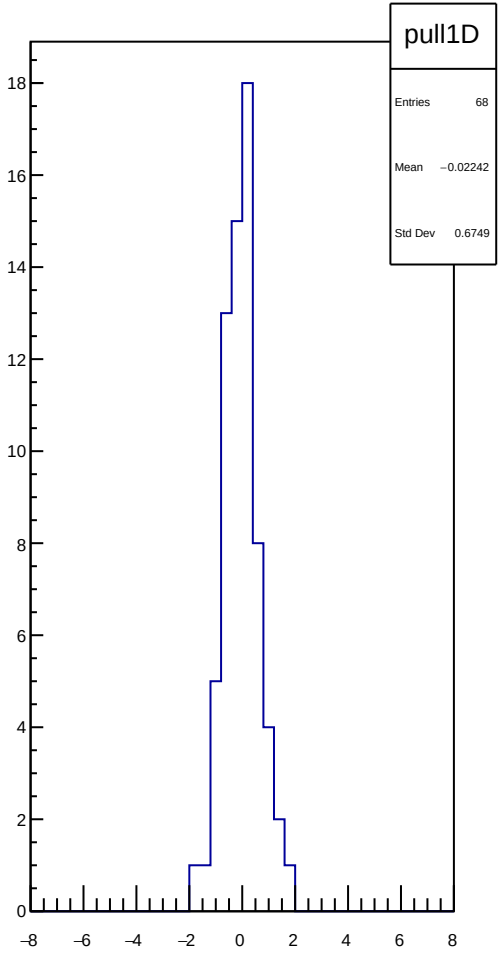

pull1D
Entries 68
Mean −0.006152
Std Dev 0.8808

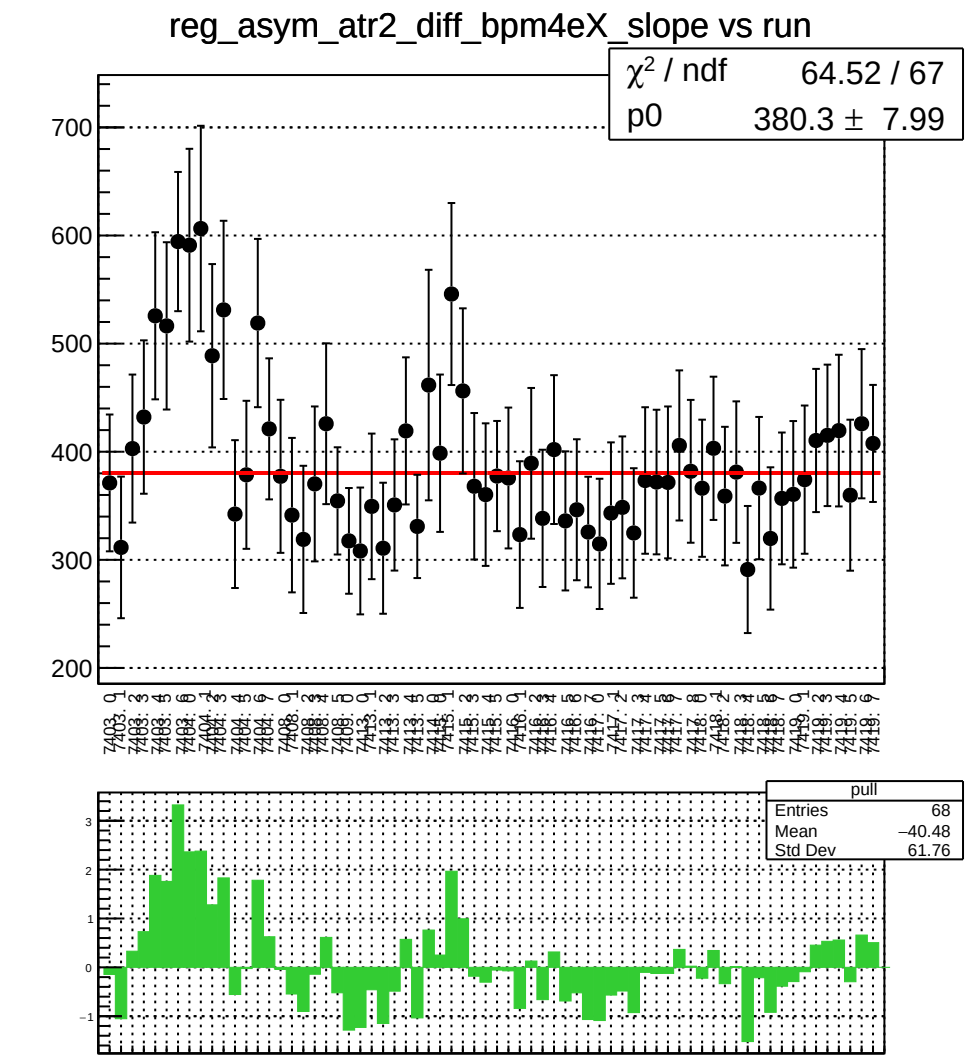

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 297.3 / 67
p0 −16.1 ± 0.1077
pull
Entries 68
Mean 2040
Std Dev 2009
pull1D
Entries 68
Mean −0.01301
Std Dev 2.091

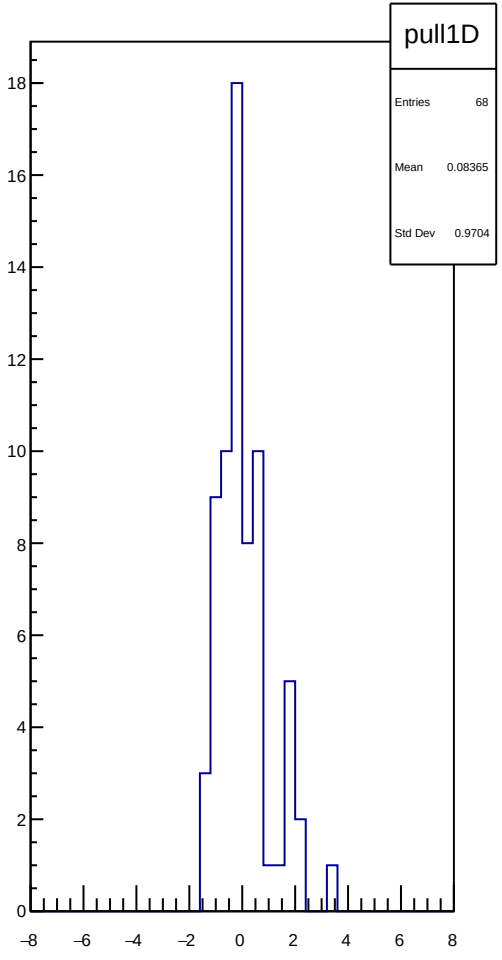

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 63.47 / 67
p0 −271.6 ± 7.688
pull
Entries 68
Mean −37.07
Std Dev 56.69

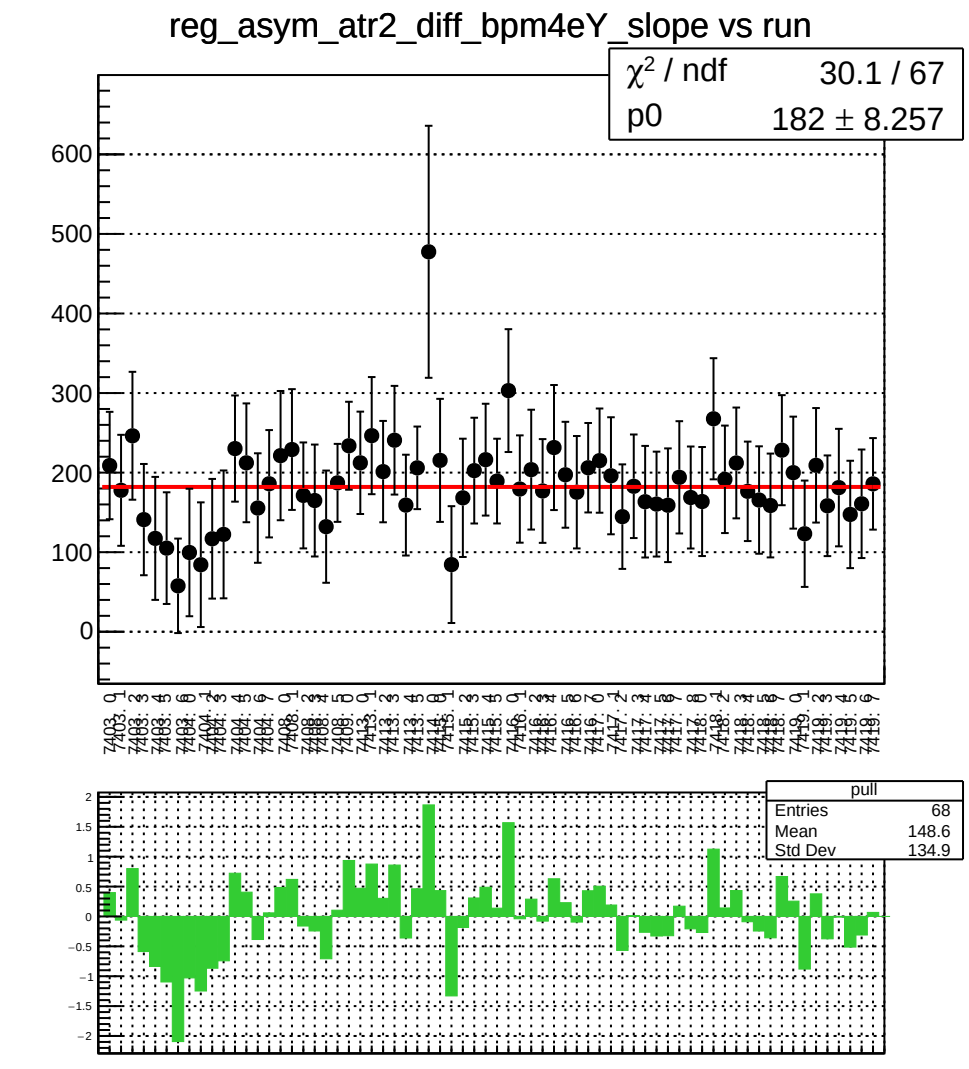

pull1D
Entries 68
Mean −0.08046
Std Dev 0.9628

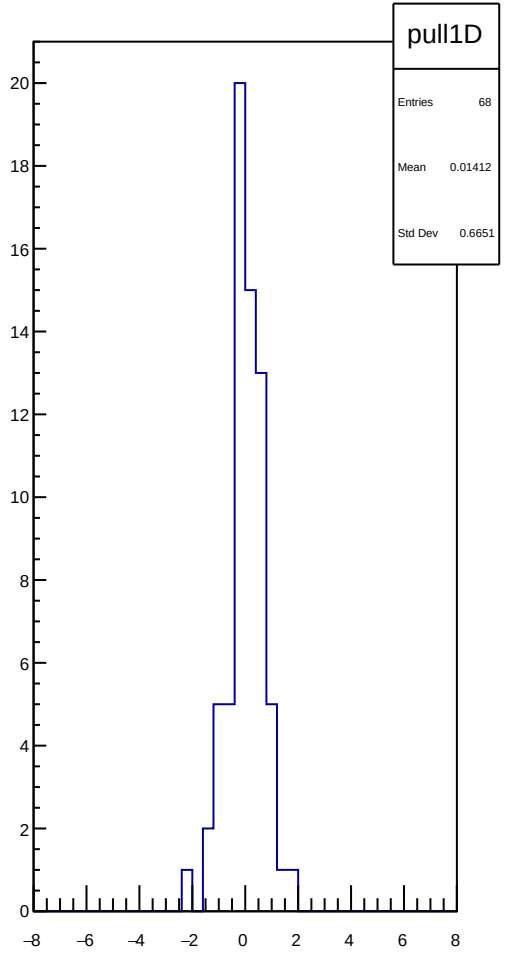

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 31.01 / 67
p0 −60.76 ± 7.804
pull
Entries 68
Mean 111.1
Std Dev 94.02

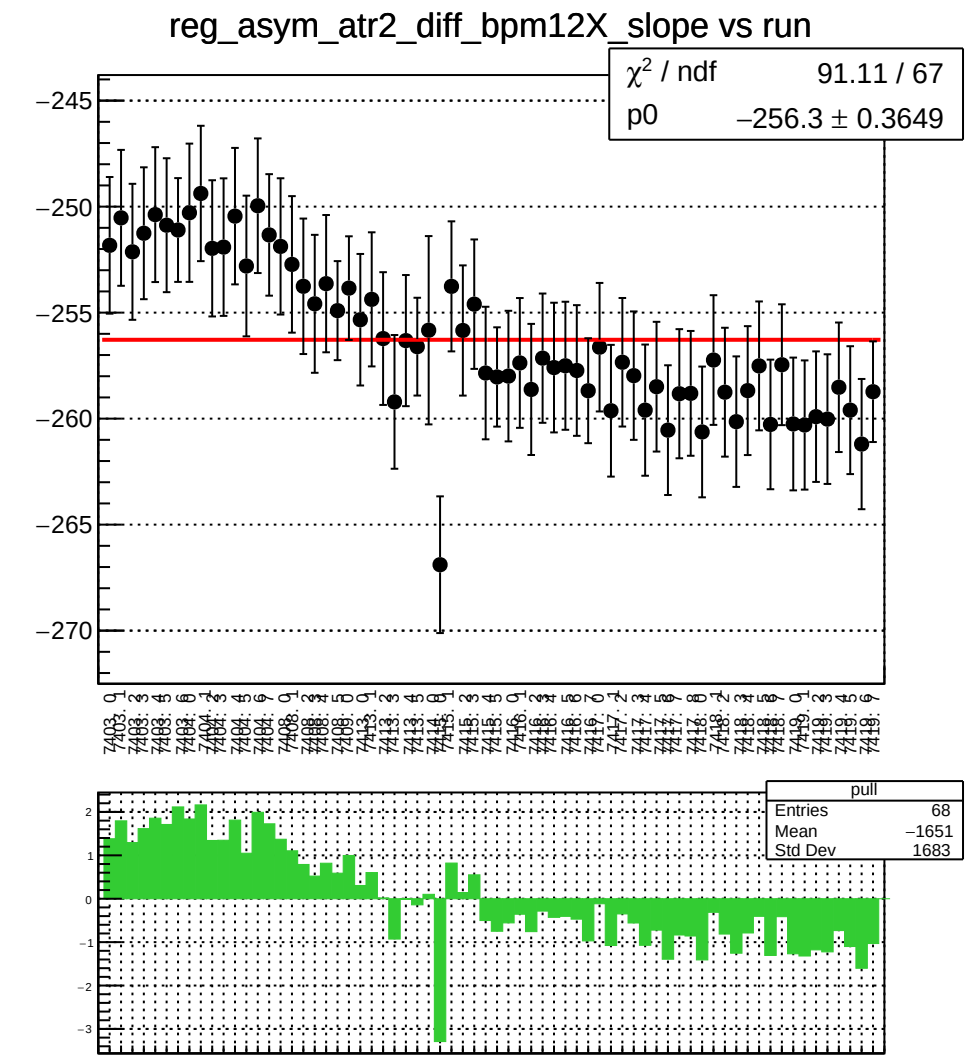

pull1D
Entries 68
Mean −0.02242
Std Dev 0.6749

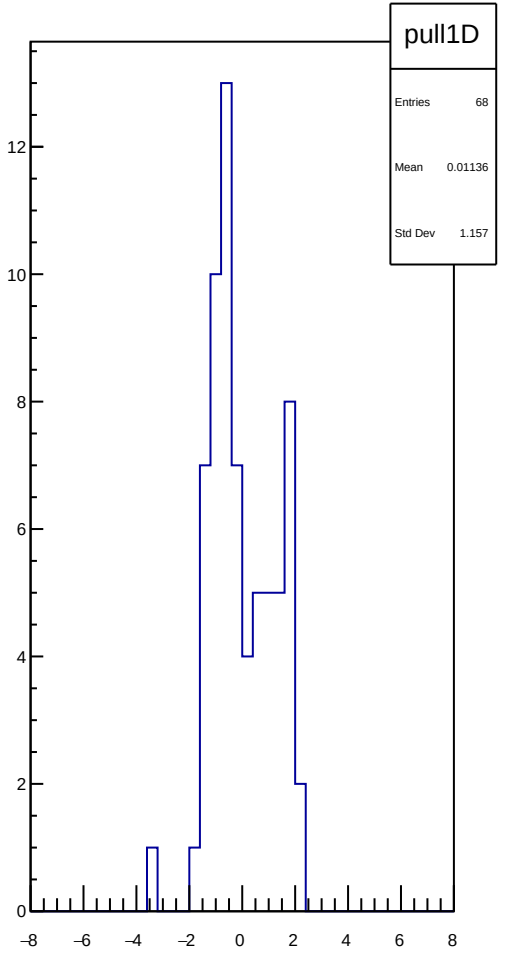

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 64.52 / 67
p0 380.3 ± 7.99
pull
Entries 68
Mean −40.48
Std Dev 61.76

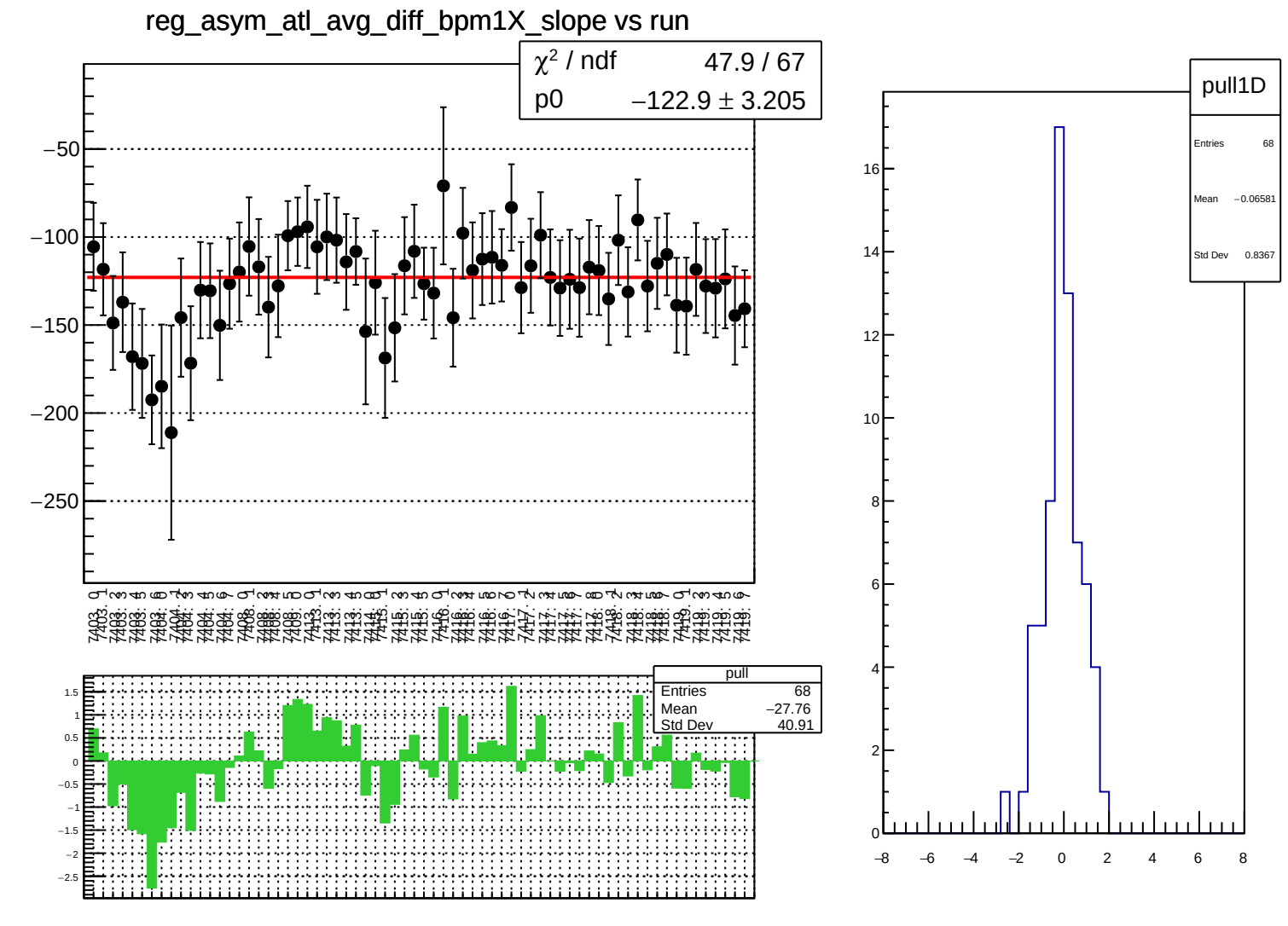

pull1D
Entries 68
Mean 0.08365
Std Dev 0.9704

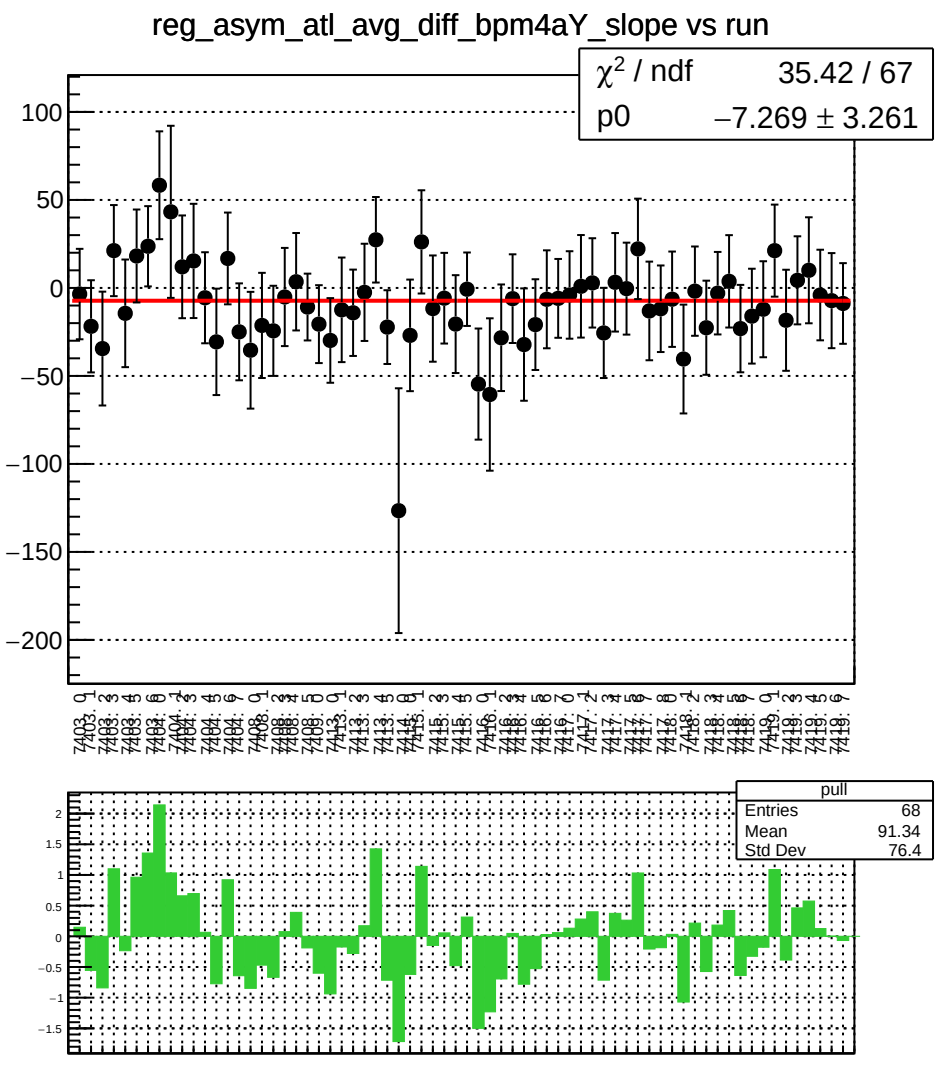

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 30.1 / 67
p0 182 ± 8.257
pull
Entries 68
Mean 148.6
Std Dev 134.9

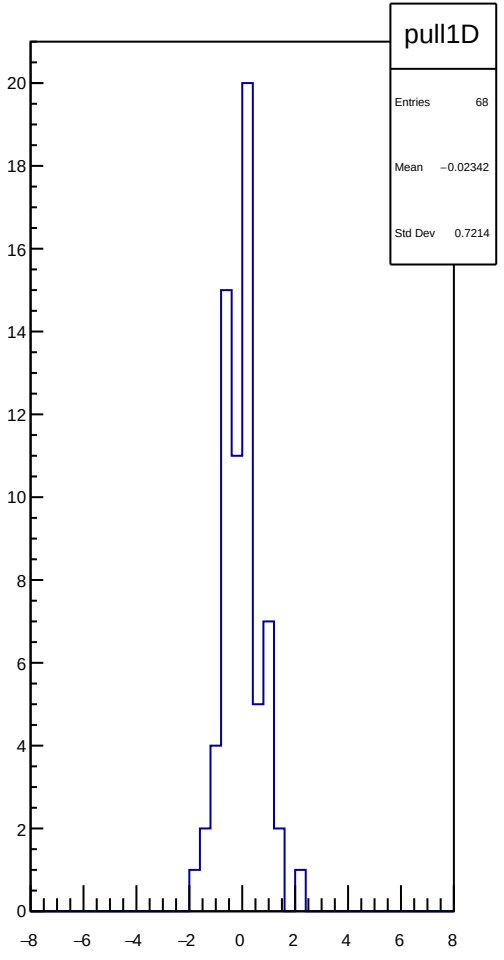

pull1D
Entries 68
Mean 0.01412
Std Dev 0.6651

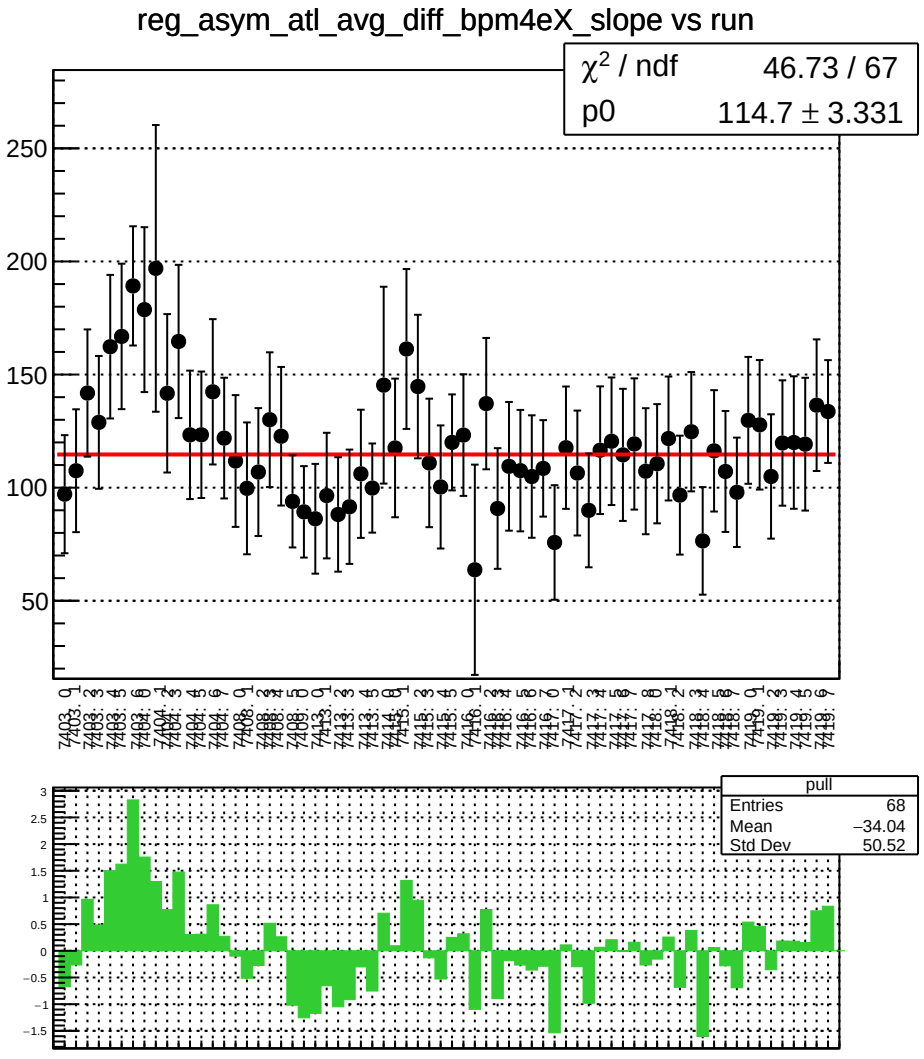

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 91.11 / 67
p0 −256.3 ± 0.3649
−245
−250
−255
−260
−265
−270
pull
Entries 68
Mean −1651
Std Dev 1683
2
1
0
−1
−2
−3

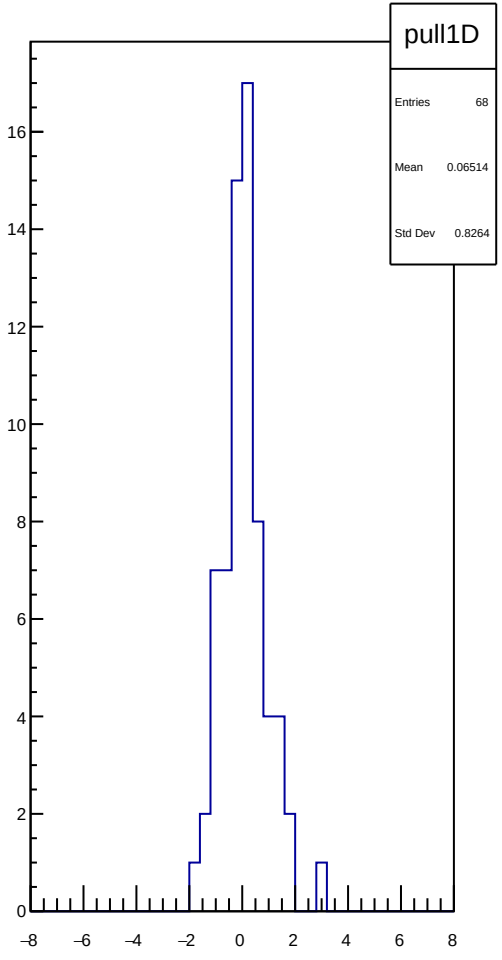

pull1D
Entries 68
Mean 0.01136
Std Dev 1.157
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

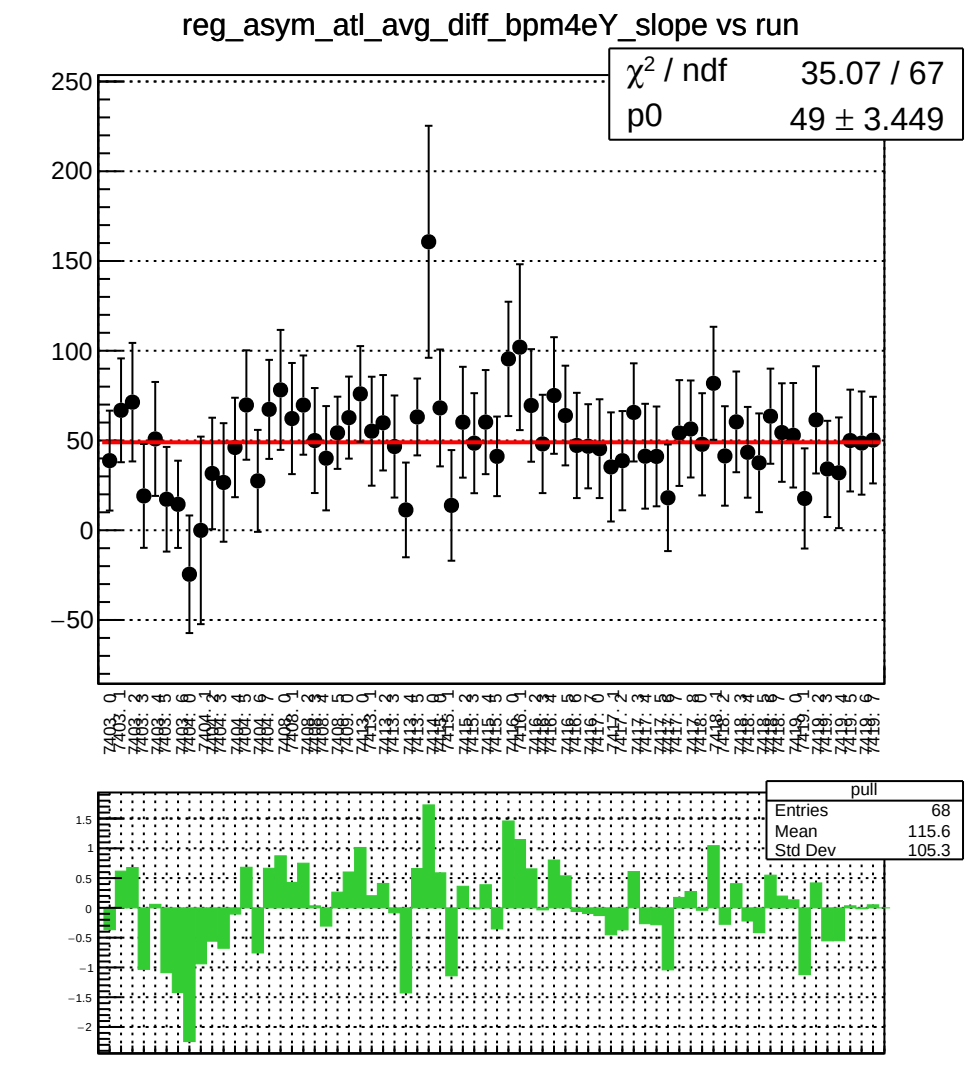

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 47.9 / 67
p0 −122.9 ± 3.205
−50
−100
−150
−200
−250
pull
Entries 68
Mean −27.76
Std Dev 40.91
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 68
Mean −0.06581
Std Dev 0.8367
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

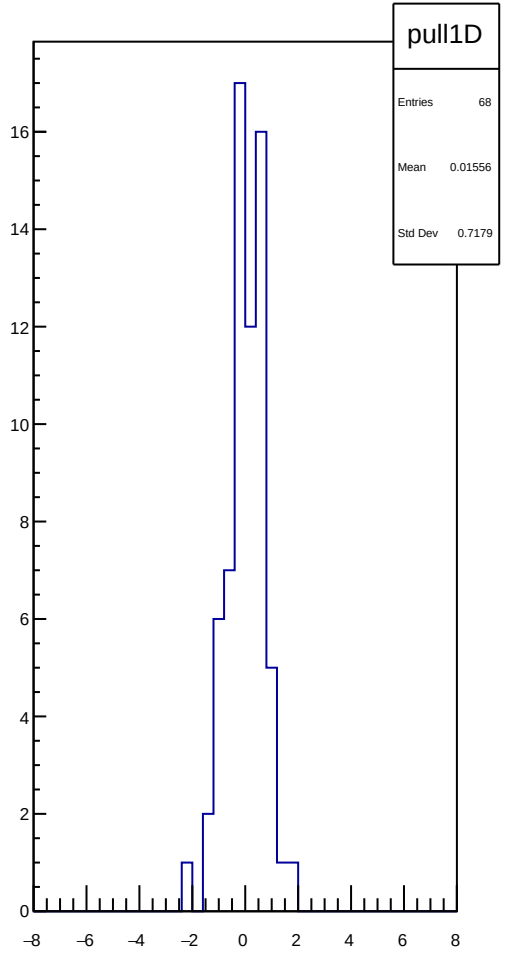

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.42 / 67
p0 −7.269 ± 3.261
pull
Entries 68
Mean 91.34
Std Dev 76.4

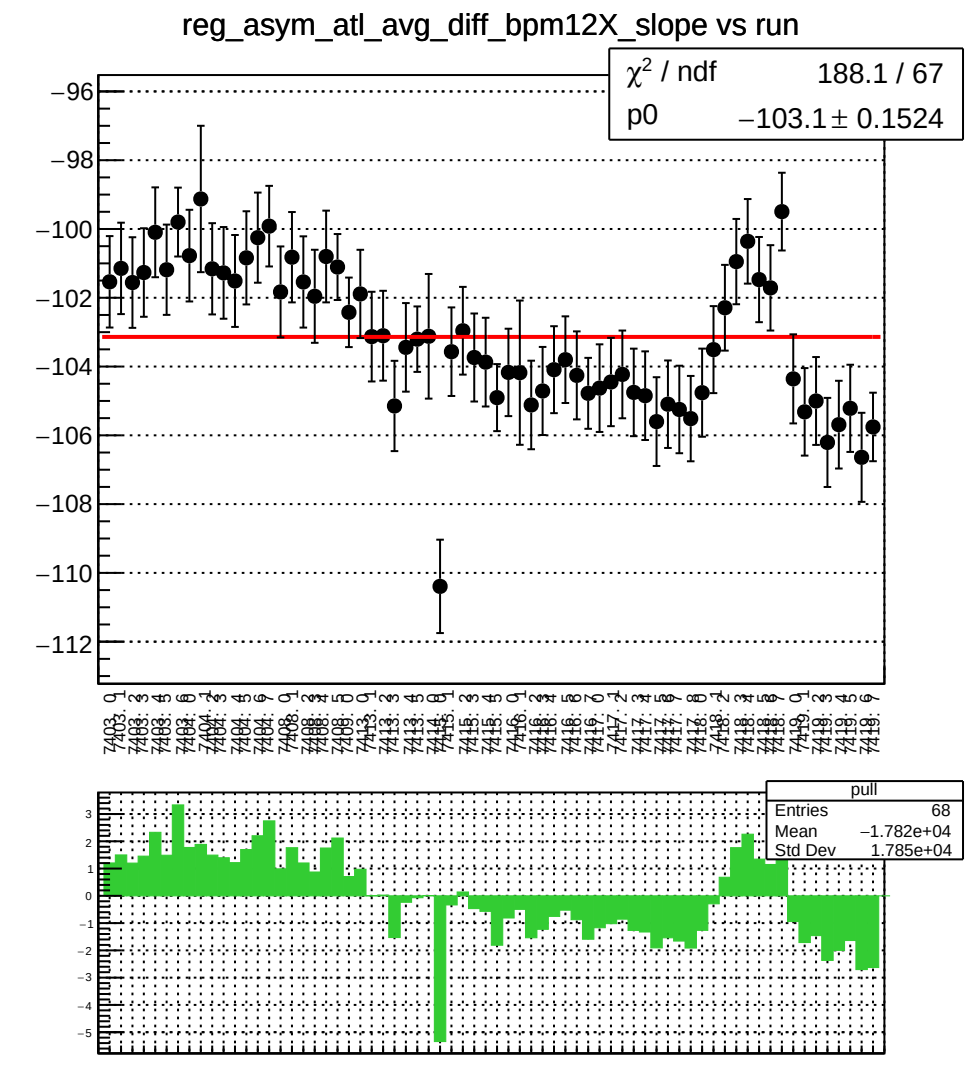

pull1D
Entries 68
Mean −0.02342
Std Dev 0.7214

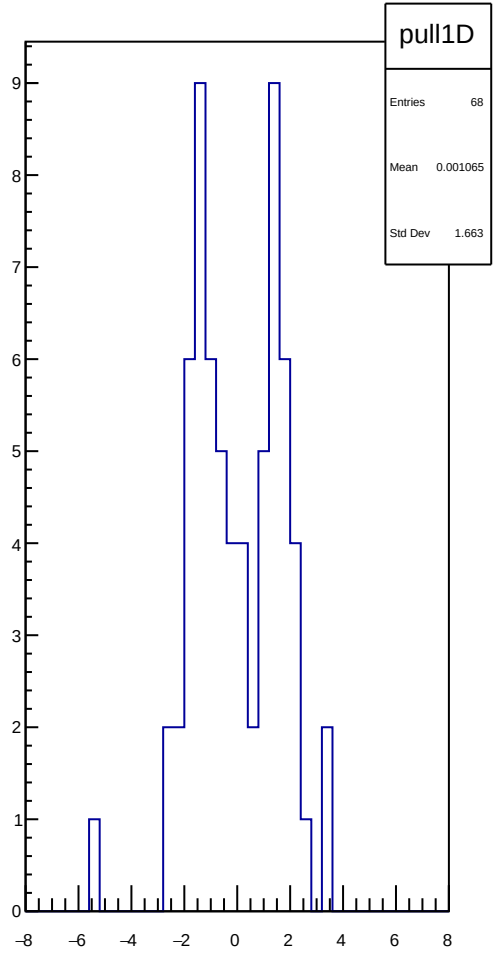

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 46.73 / 67
p0 114.7 ± 3.331
250
200
150
100
50
pull
Entries 68
Mean −34.04
Std Dev 50.52
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

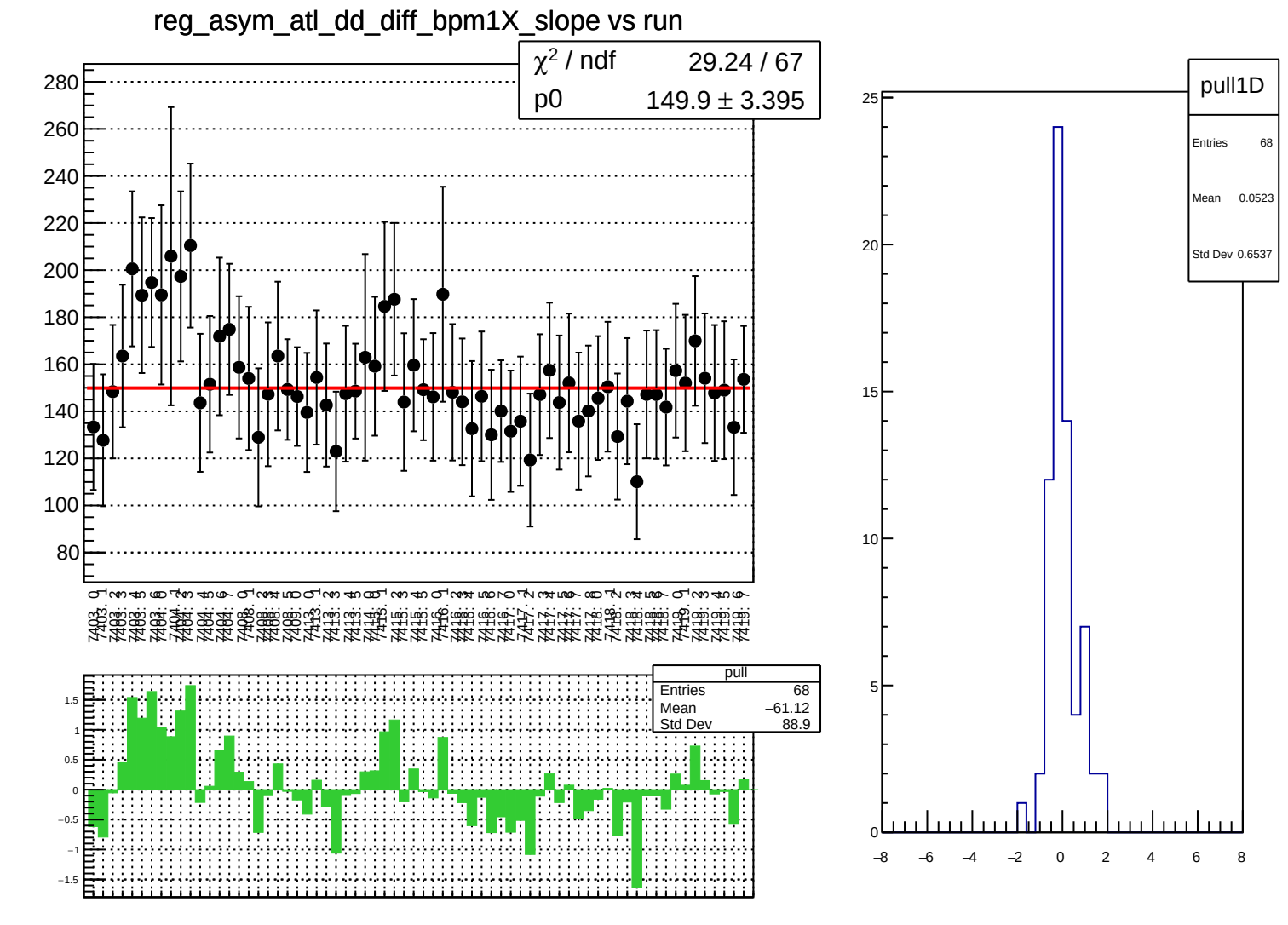

pull1D
Entries 68
Mean 0.06514
Std Dev 0.8264
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

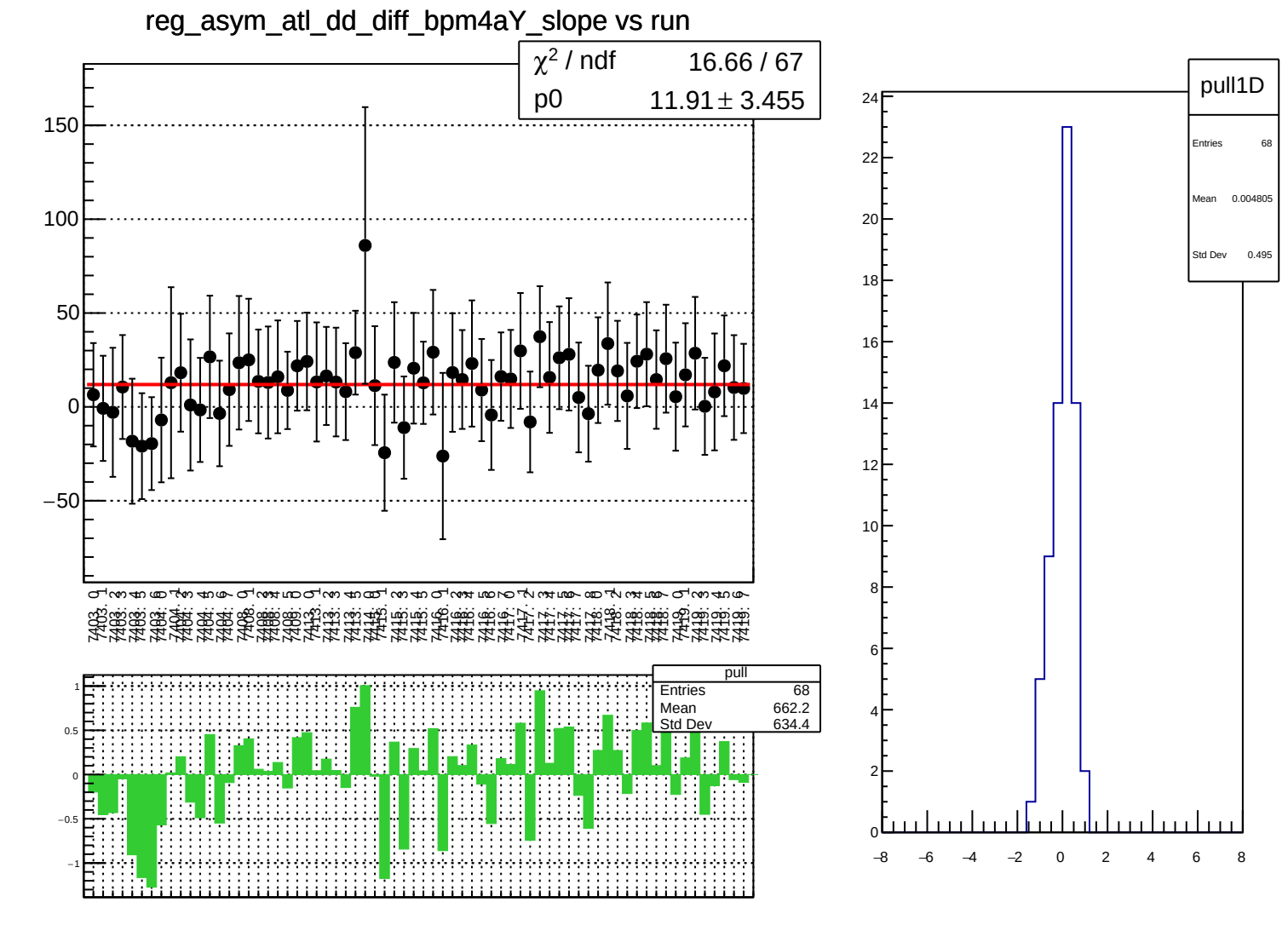

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.07 / 67
p0 49 ± 3.449
250
200
150
100
50
0
−50
pull
Entries 68
Mean 115.6
Std Dev 105.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

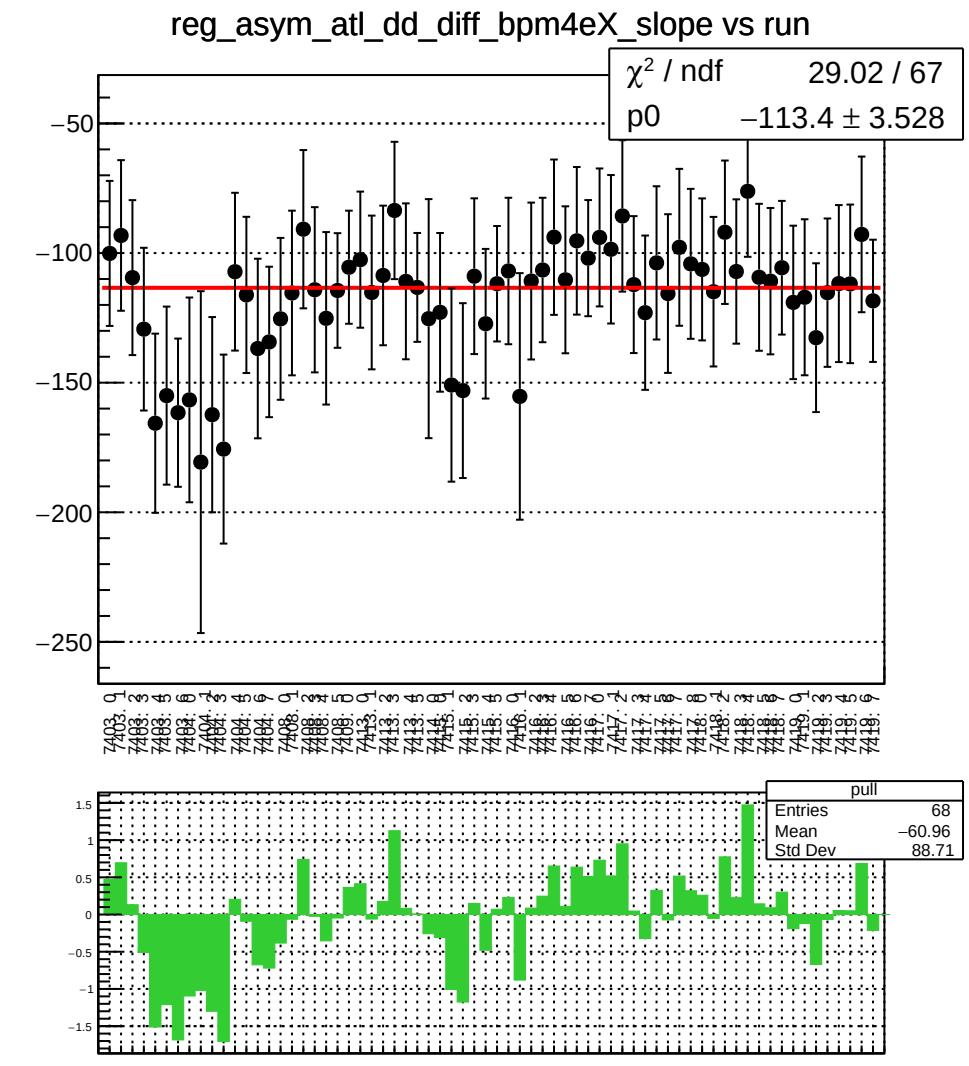

pull1D
Entries 68
Mean 0.01556
Std Dev 0.7179
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

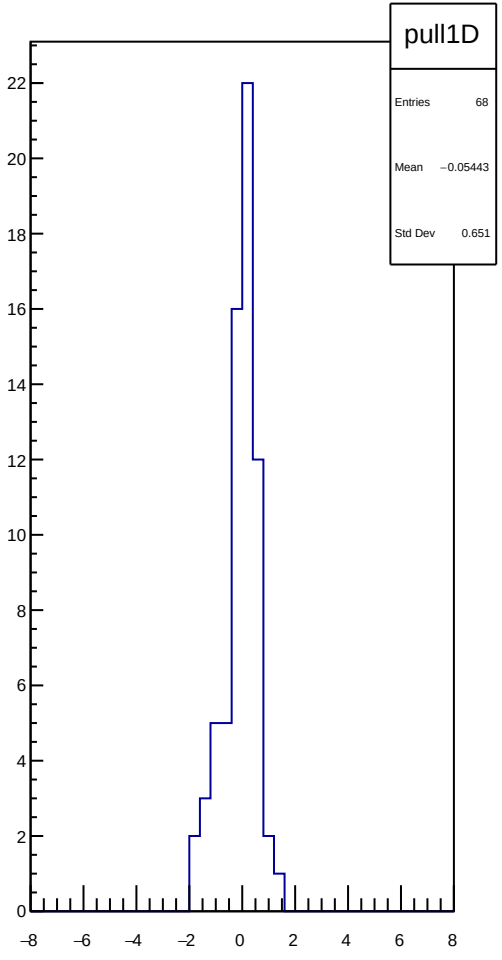

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 188.1 / 67
p0 −103.1 ± 0.1524
pull
Entries 68
Mean −1.782e+04
Std Dev 1.785e+04

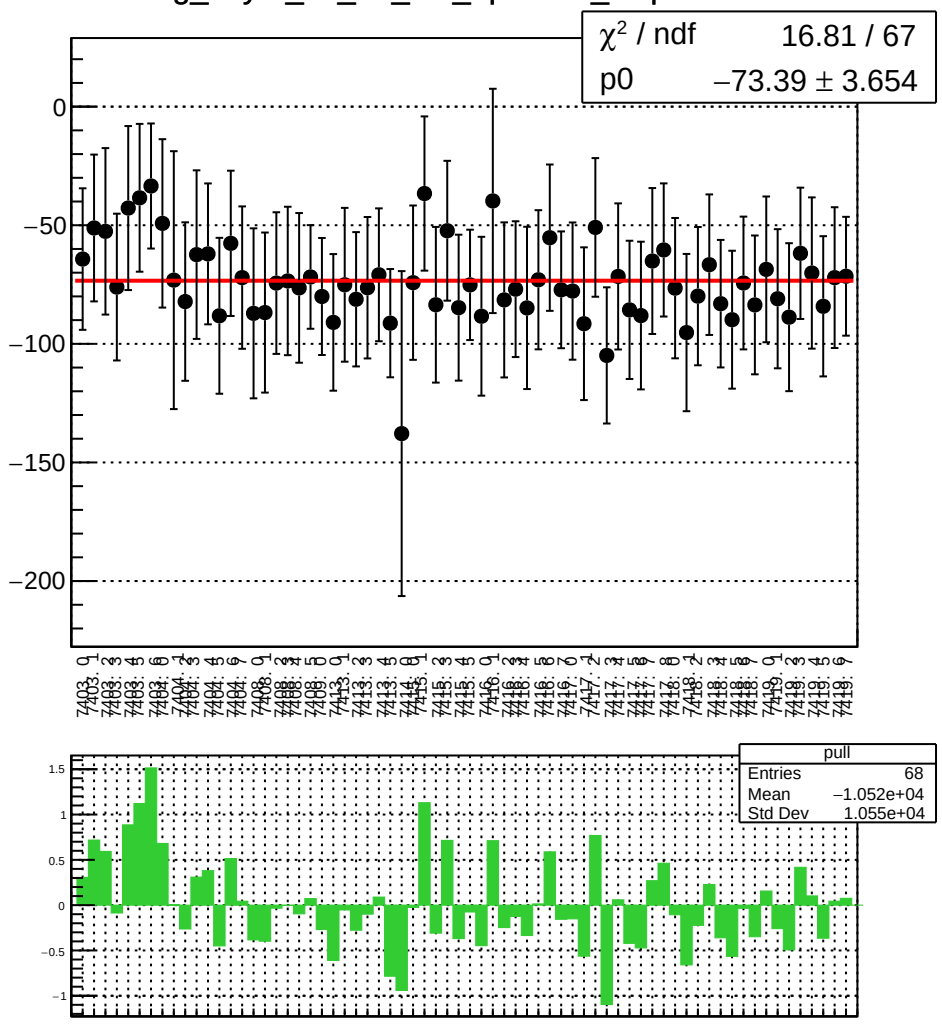

pull1D
Entries 68
Mean 0.001065
Std Dev 1.663

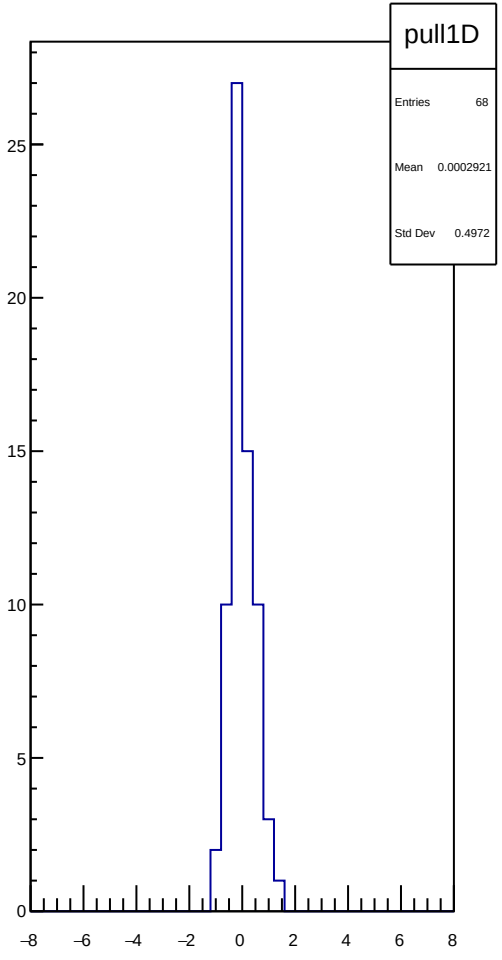

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 29.24 / 67
p0 149.9 ± 3.395
pull
Entries 68
Mean −61.12
Std Dev 88.9
pull1D
Entries 68
Mean 0.0523
Std Dev 0.6537

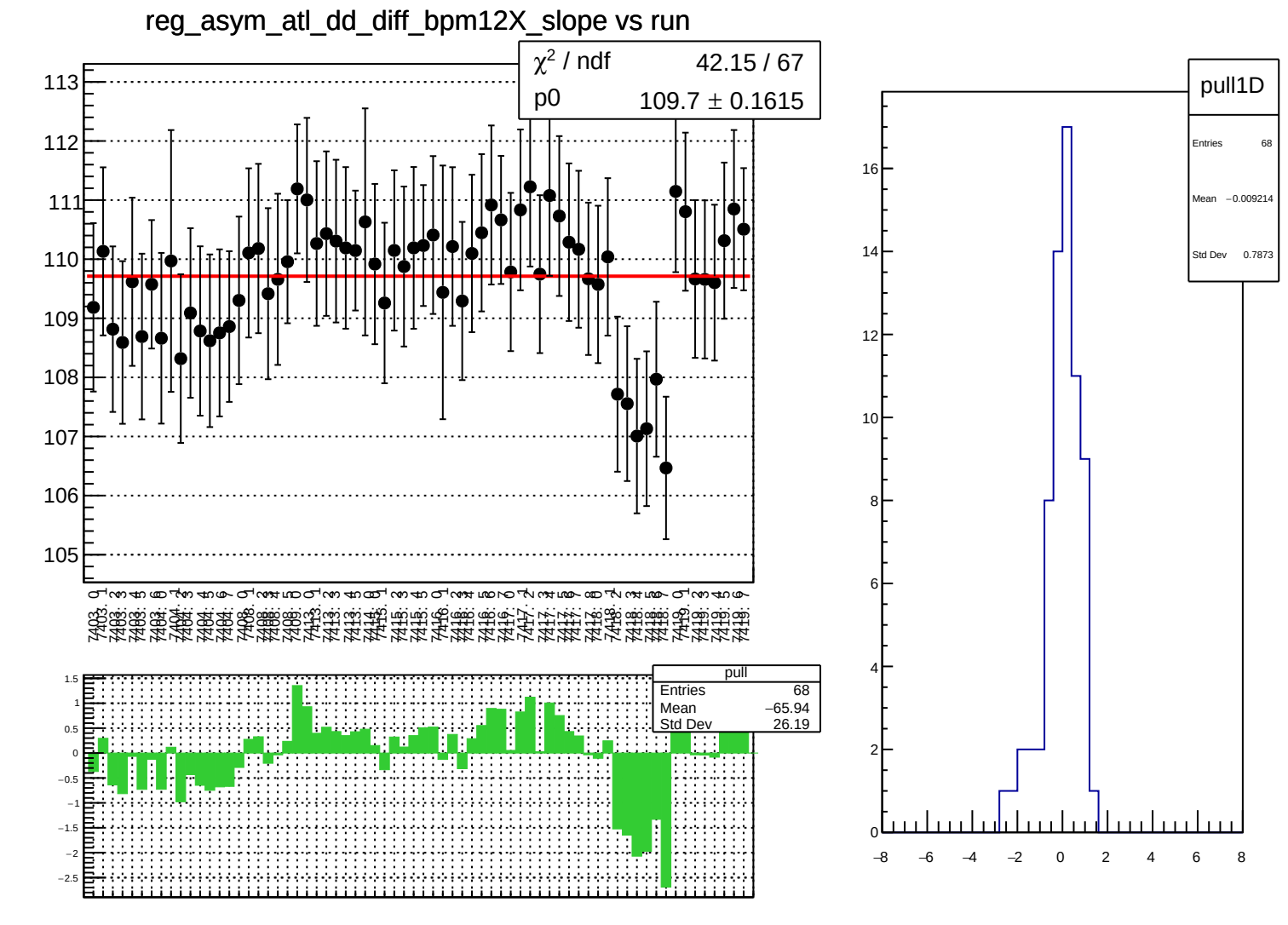

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.66 / 67
p0 11.91 ± 3.455
150
100
50
0
−50
pull
Entries 68
Mean 662.2
Std Dev 634.4
1
0.5
0
−0.5
−1
pull1D
Entries 68
Mean 0.004805
Std Dev 0.495
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

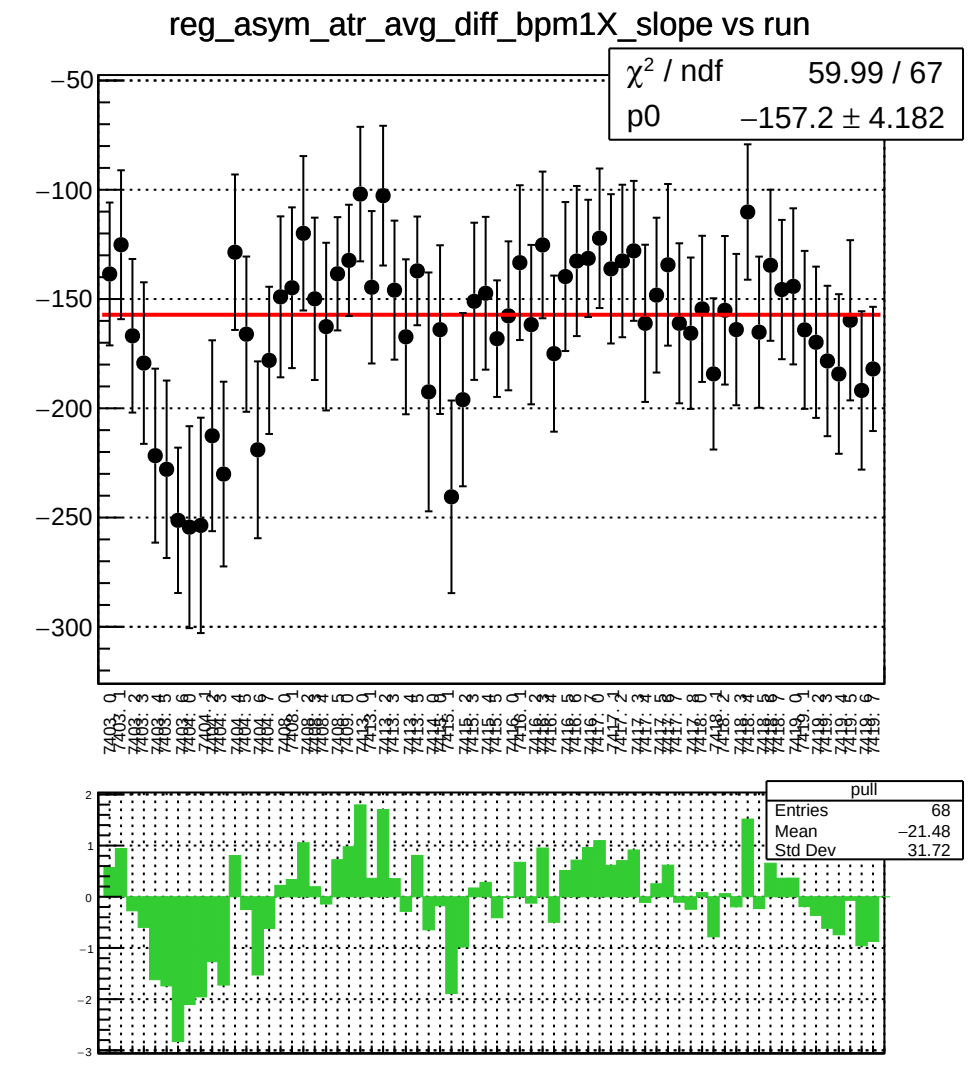

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.02 / 67
p0 −113.4 ± 3.528
−50
−100
−150
−200
−250
pull
Entries 68
Mean −60.96
Std Dev 88.71
1.5
1
0.5
0
−0.5
−1
−1.5

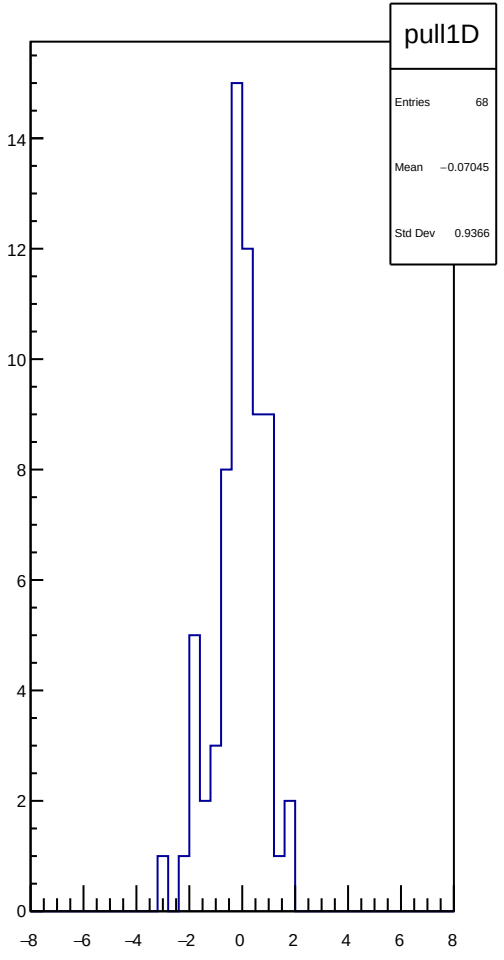

pull1D
Entries 68
Mean −0.05443
Std Dev 0.651
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

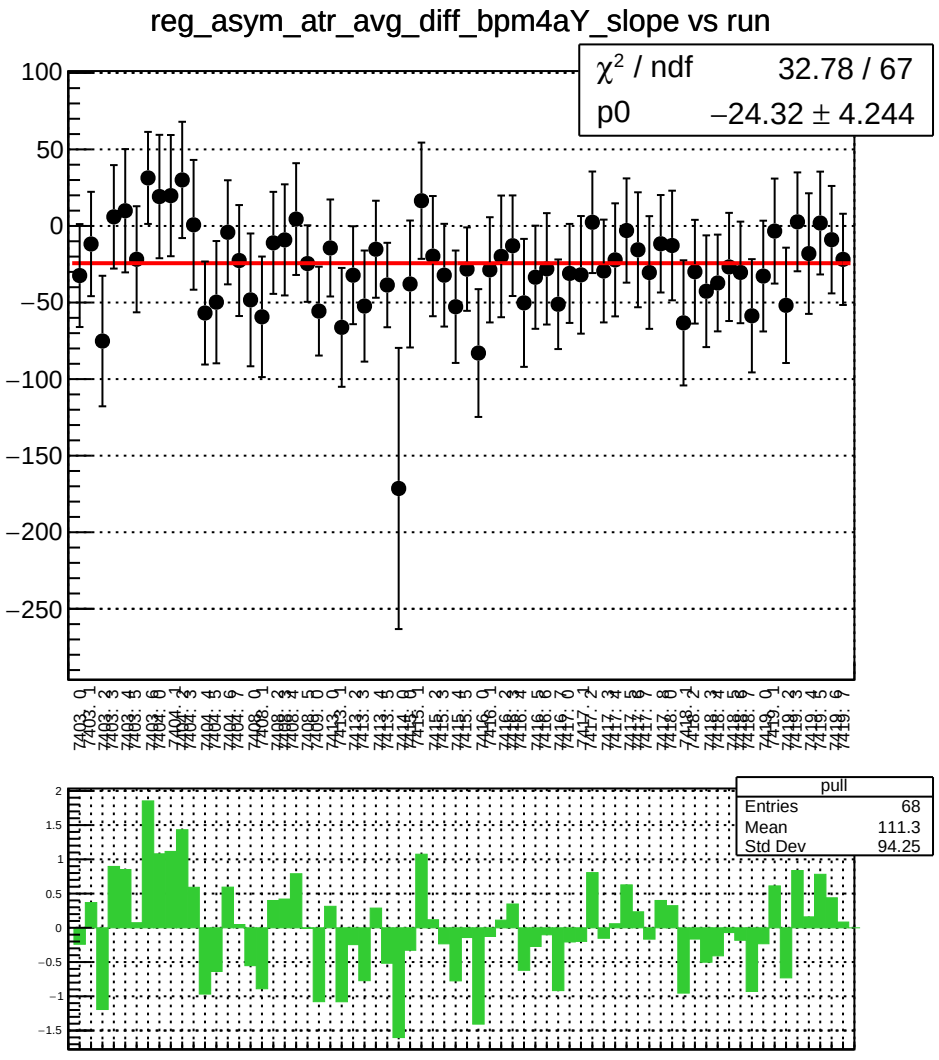

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.81 / 67
p0 −73.39 ± 3.654
pull
Entries 68
Mean −1.052e+04
Std Dev 1.055e+04

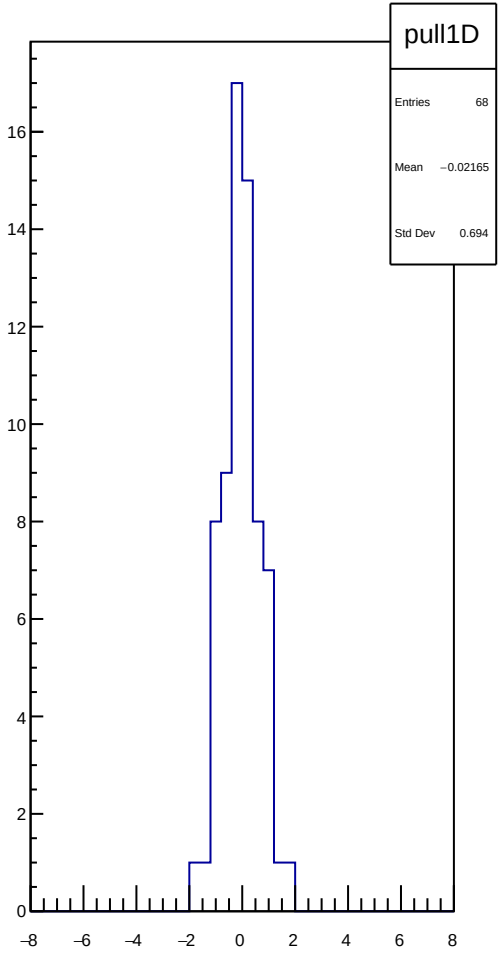

pull1D
Entries 68
Mean 0.0002921
Std Dev 0.4972

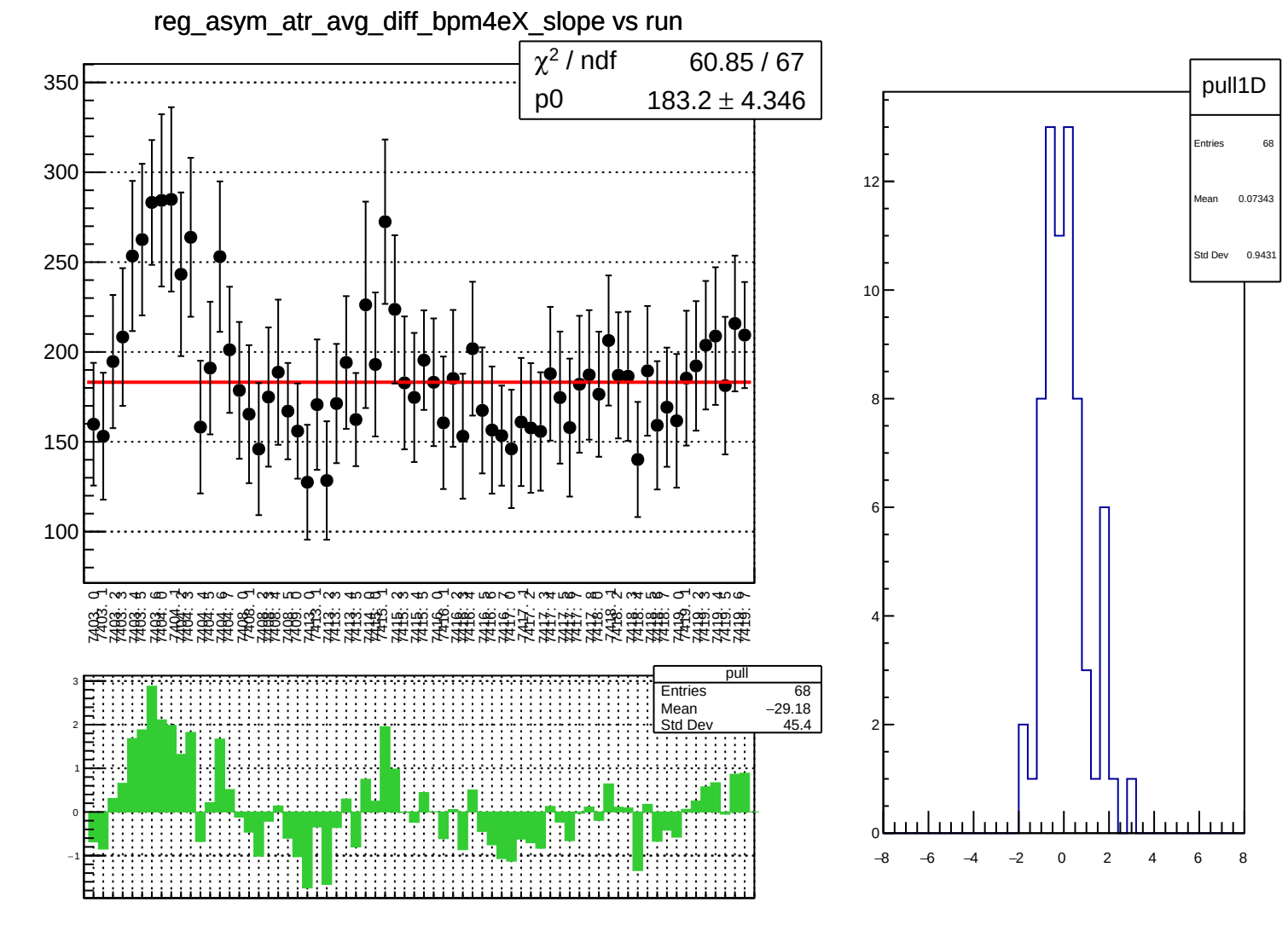

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 42.15 / 67
p0 109.7 ± 0.1615
pull
Entries 68
Mean −65.94
Std Dev 26.19
pull1D
Entries 68
Mean −0.009214
Std Dev 0.7873

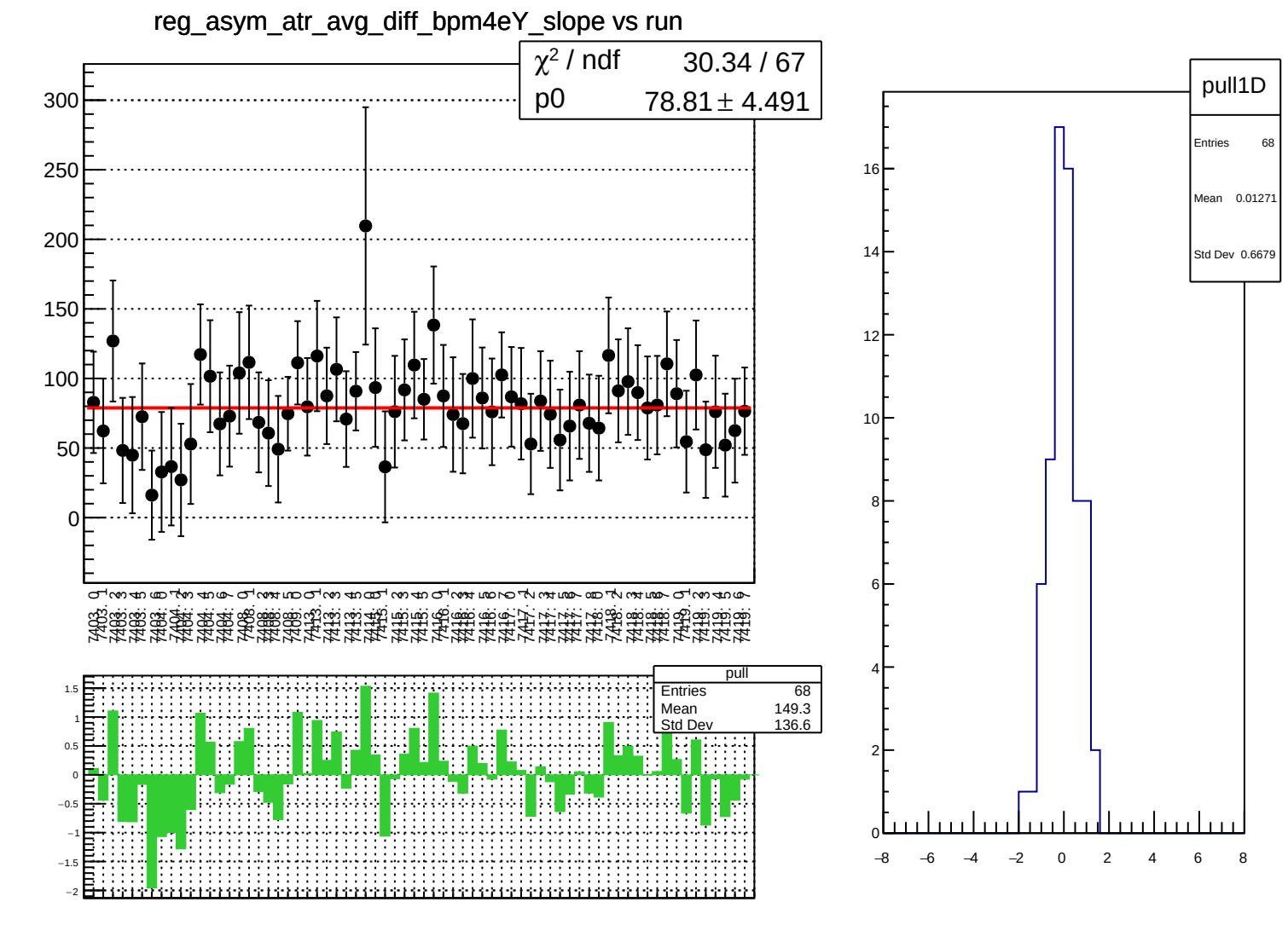

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 59.99 / 67
p0 −157.2 ± 4.182
pull
Entries 68
Mean −21.48
Std Dev 31.72

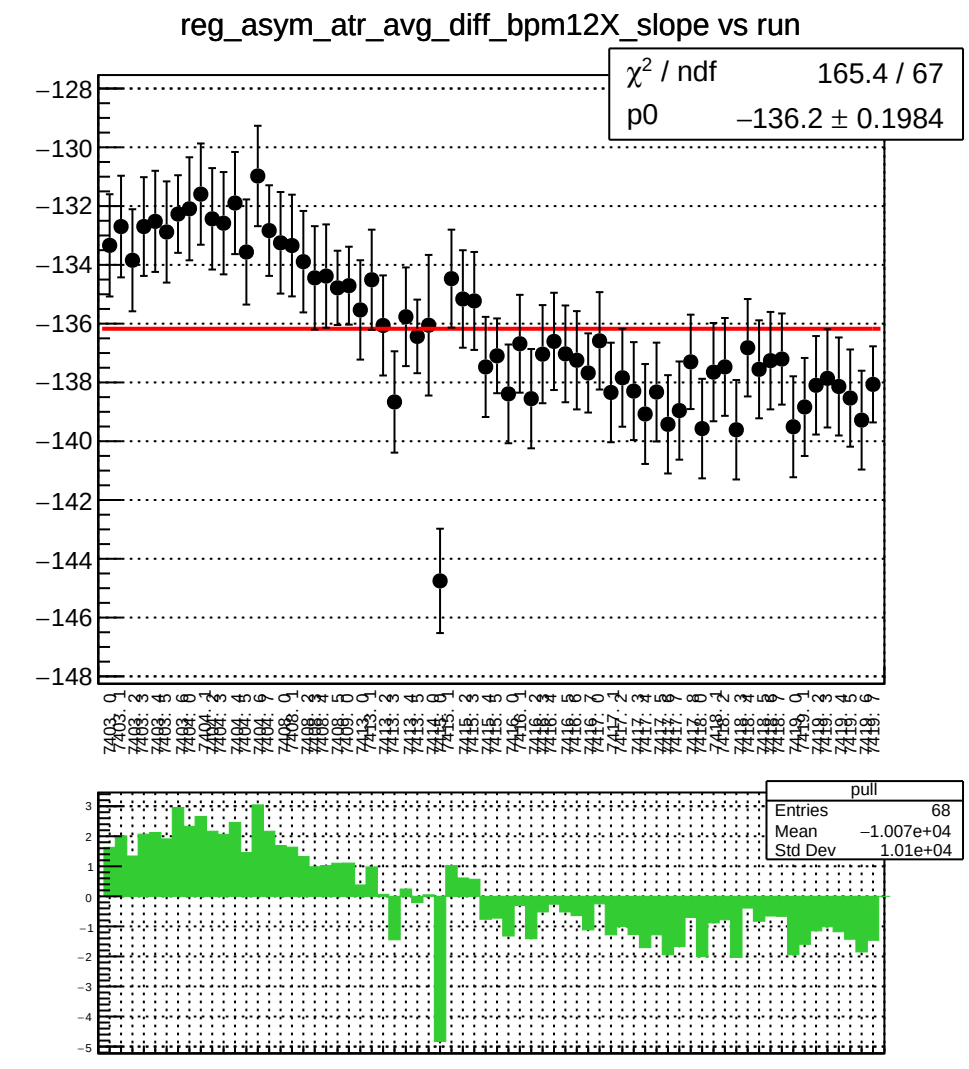

pull1D
Entries 68
Mean −0.07045
Std Dev 0.9366

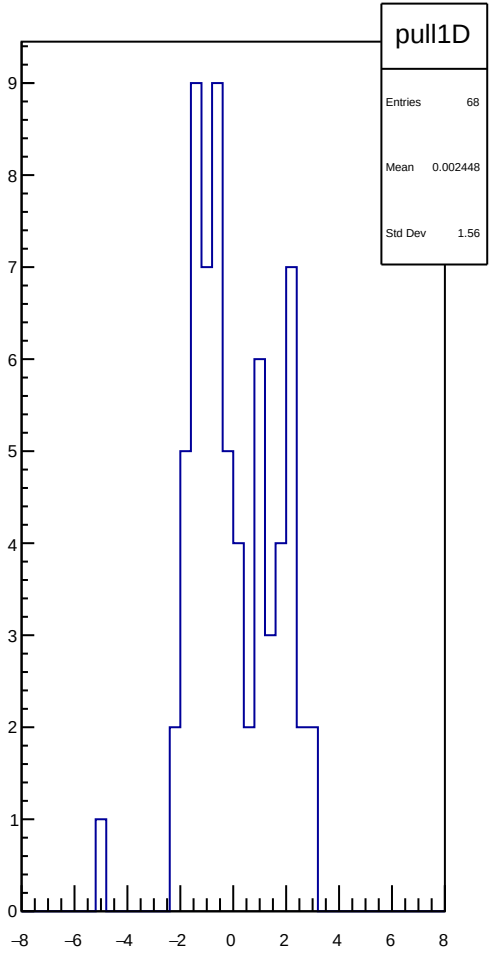

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.78 / 67
p0 −24.32 ± 4.244
pull
Entries 68
Mean 111.3
Std Dev 94.25

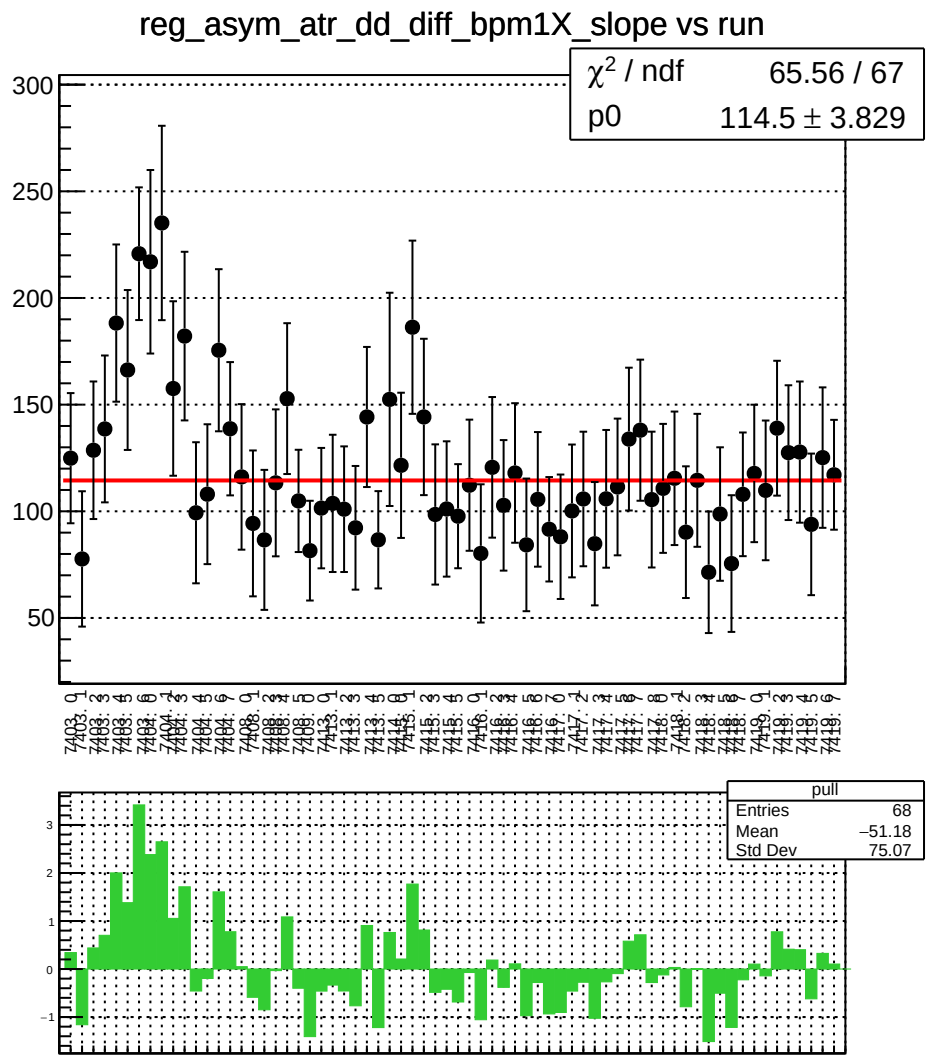

pull1D
Entries 68
Mean −0.02165
Std Dev 0.694

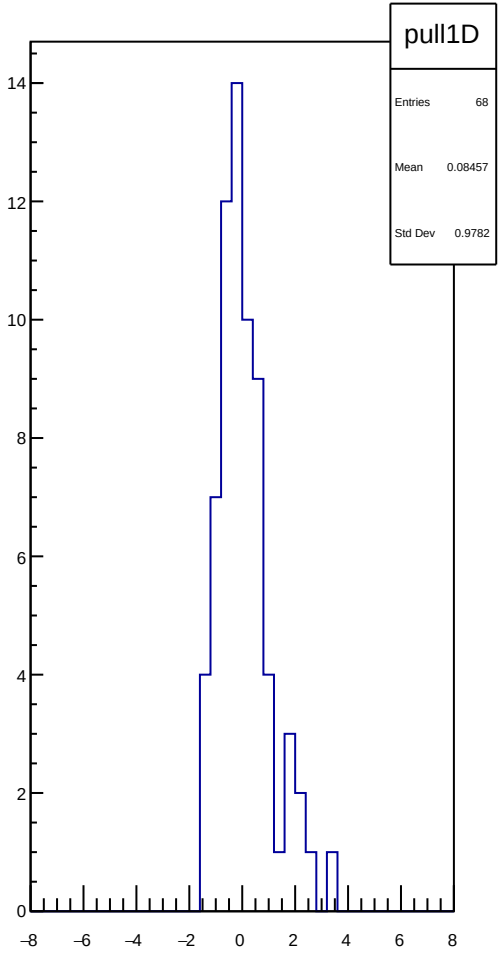

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.85 / 67
p0 183.2 ± 4.346
pull
Entries 68
Mean −29.18
Std Dev 45.4
pull1D
Entries 68
Mean 0.07343
Std Dev 0.9431

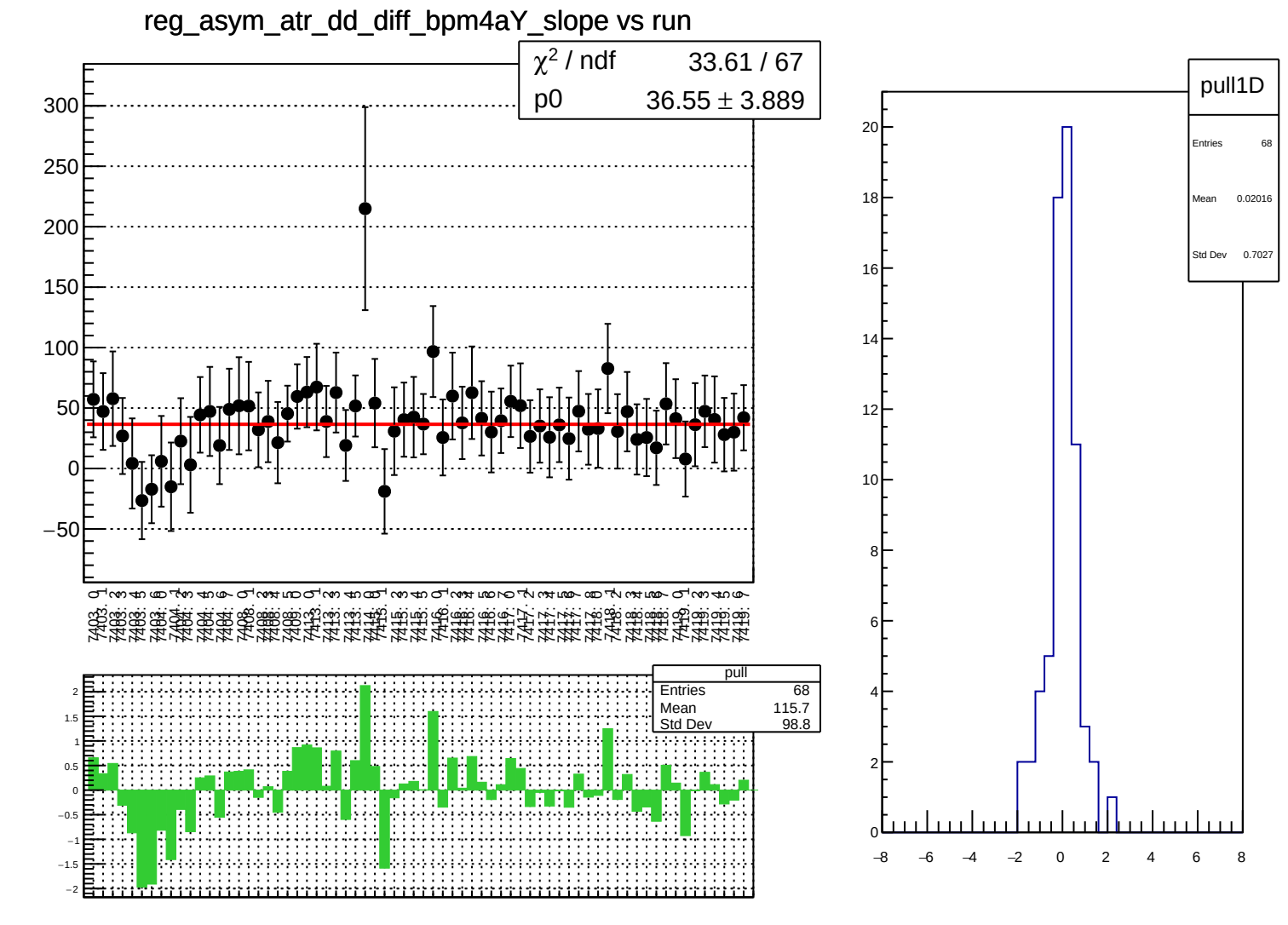

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.34 / 67
p0 78.81 ± 4.491
pull
Entries 68
Mean 149.3
Std Dev 136.6
pull1D
Entries 68
Mean 0.01271
Std Dev 0.6679

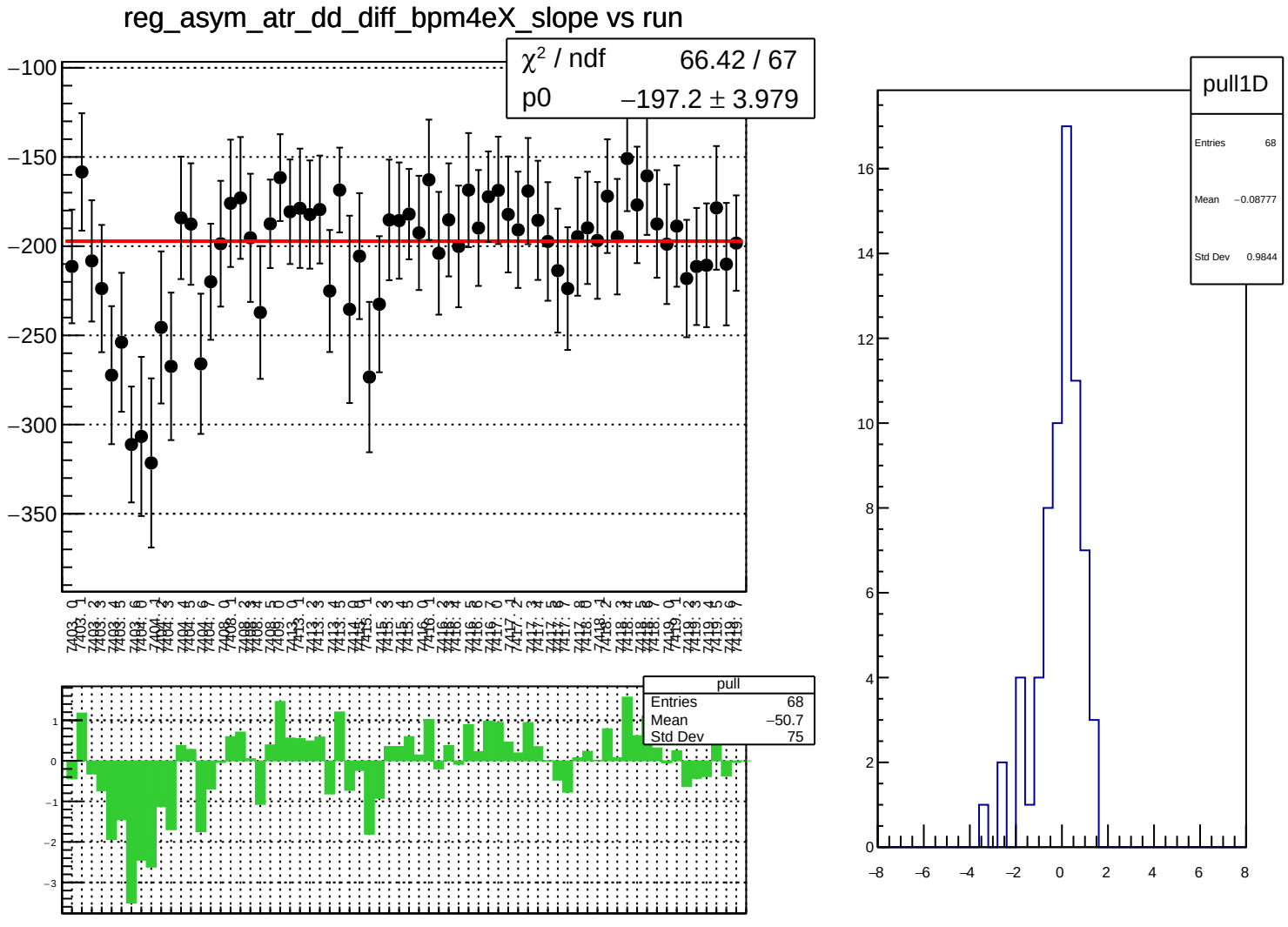

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 165.4 / 67
p0 −136.2 ± 0.1984
pull
Entries 68
Mean −1.007e+04
Std Dev 1.01e+04

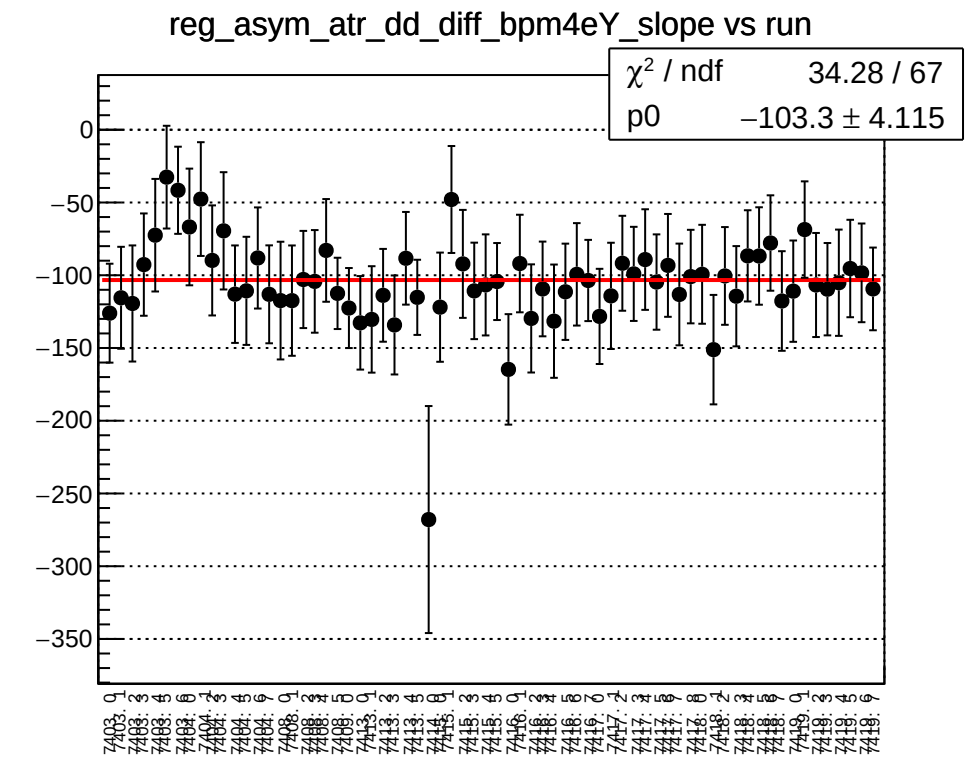

pull1D
Entries 68
Mean 0.002448
Std Dev 1.56

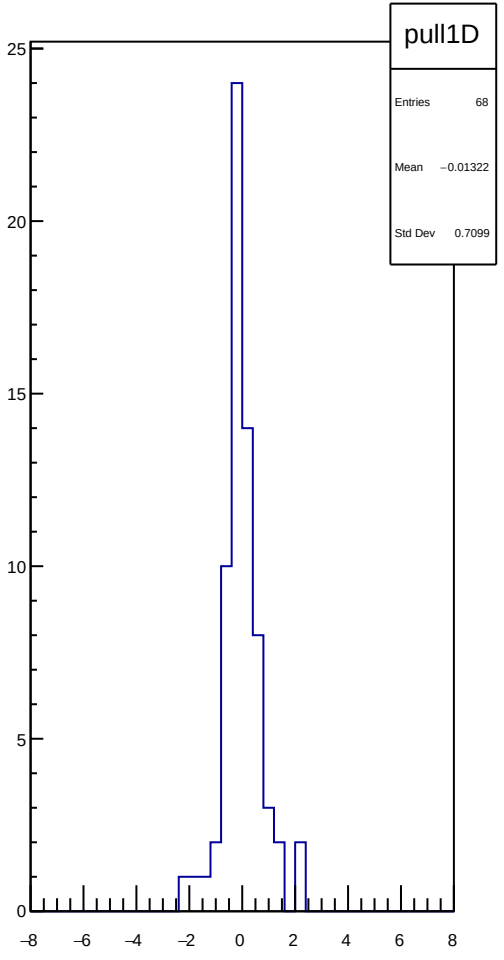

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 65.56 / 67
p0 114.5 ± 3.829
pull
Entries 68
Mean −51.18
Std Dev 75.07

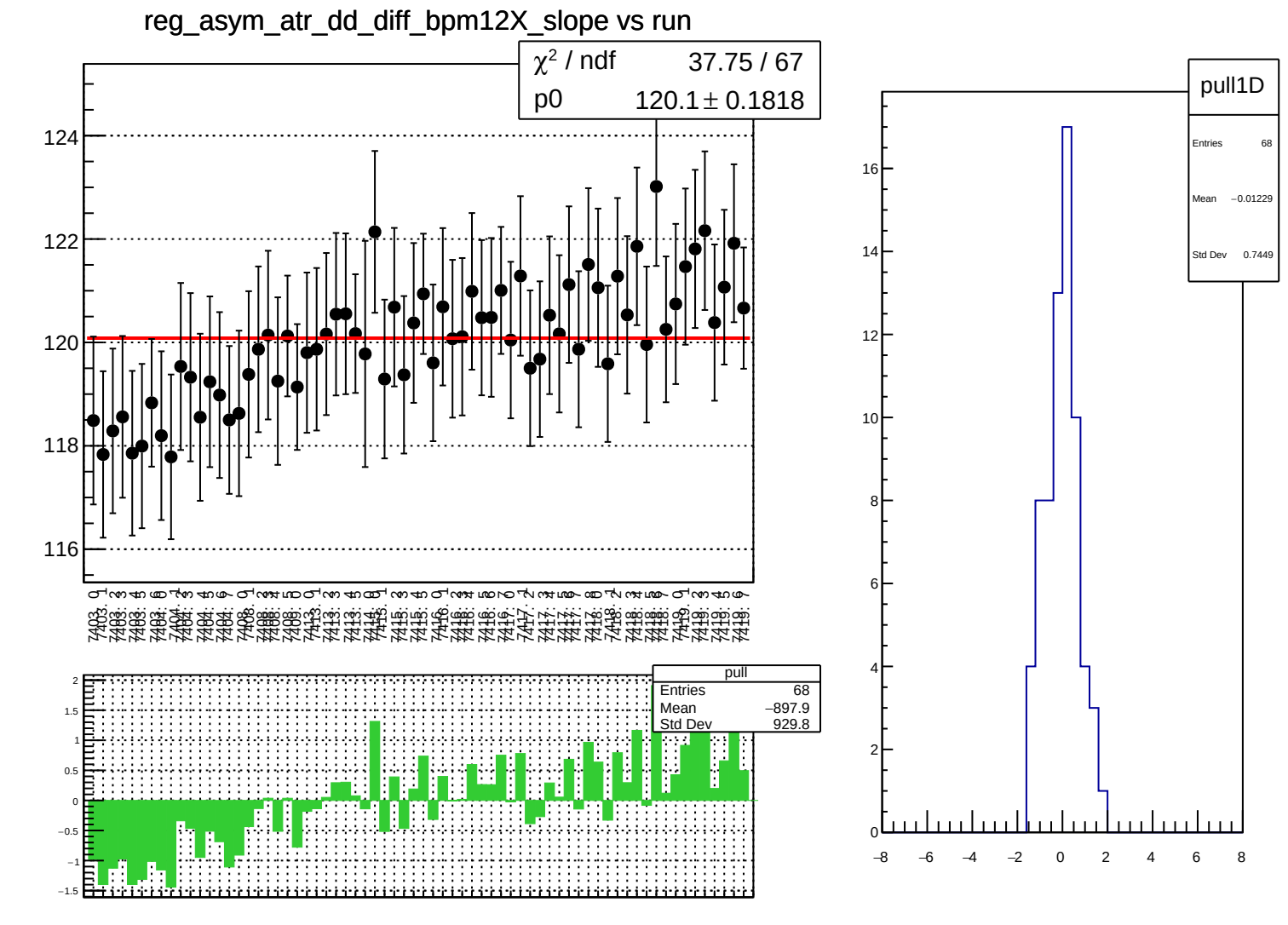

pull1D
Entries 68
Mean 0.08457
Std Dev 0.9782

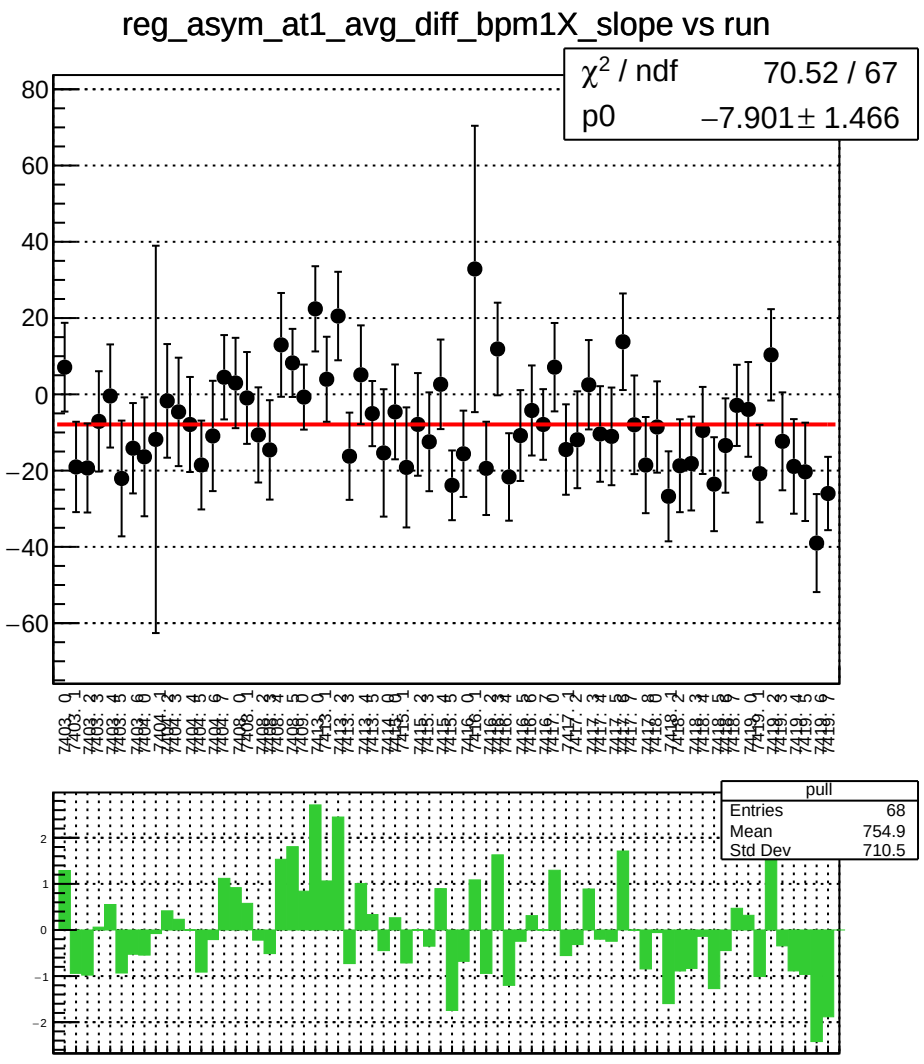

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.61 / 67
p0 36.55 ± 3.889
pull
Entries 68
Mean 115.7
Std Dev 98.8
pull1D
Entries 68
Mean 0.02016
Std Dev 0.7027

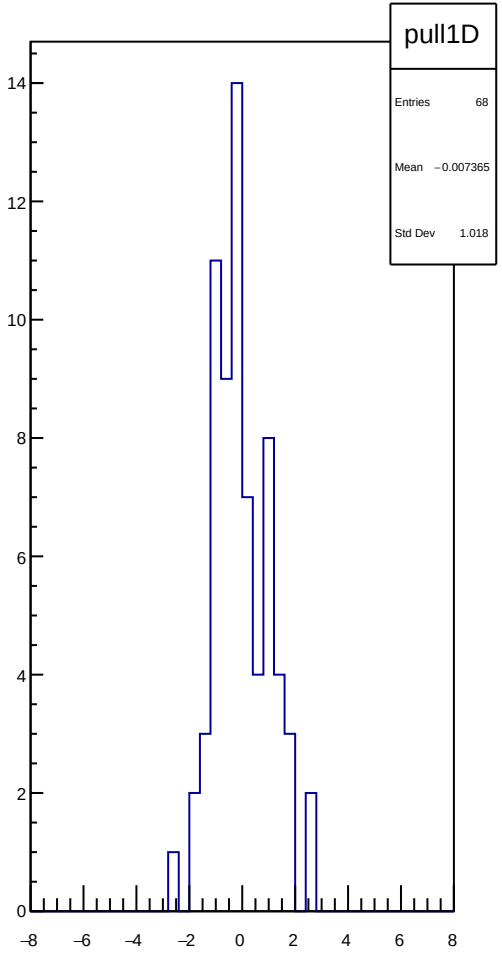

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.42 / 67
p0 −197.2 ± 3.979
pull
Entries 68
Mean −50.7
Std Dev 75
pull1D
Entries 68
Mean −0.08777
Std Dev 0.9844

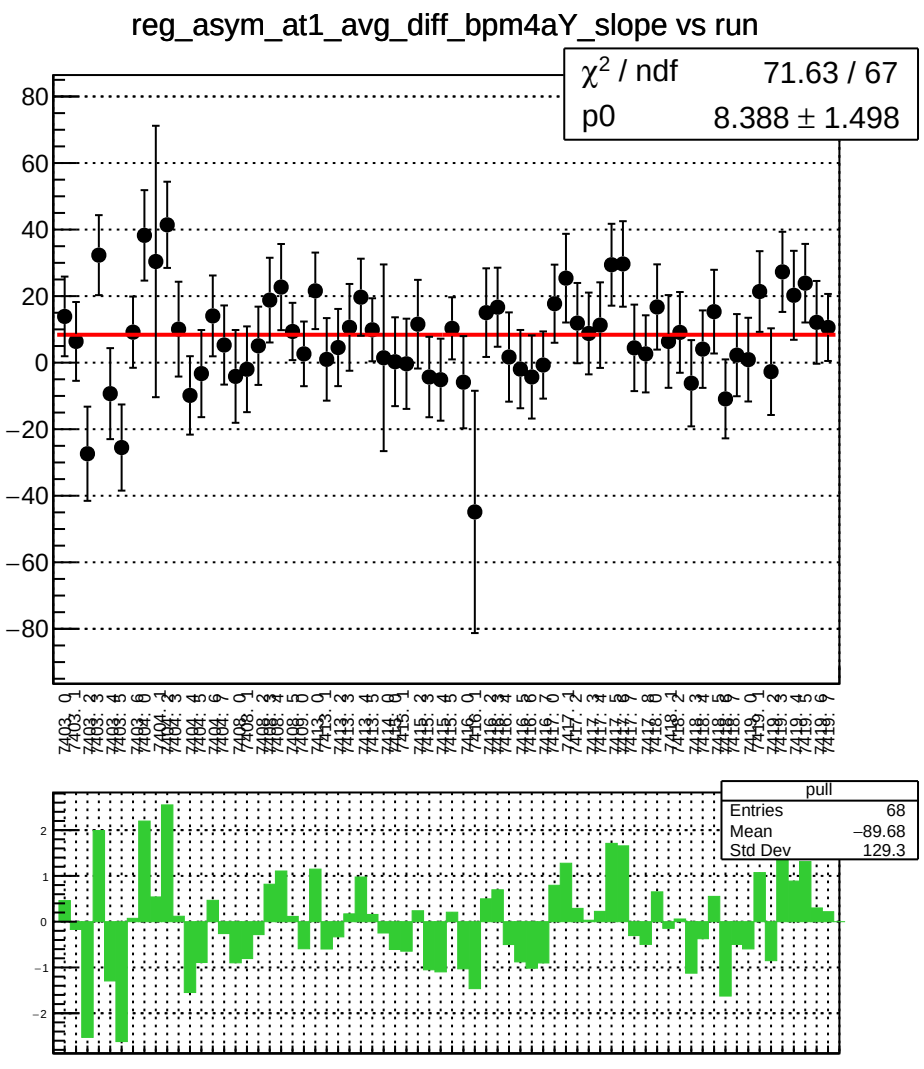

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.28 / 67
p0 −103.3 ± 4.115
pull
Entries 68
Mean 159.1
Std Dev 144.7

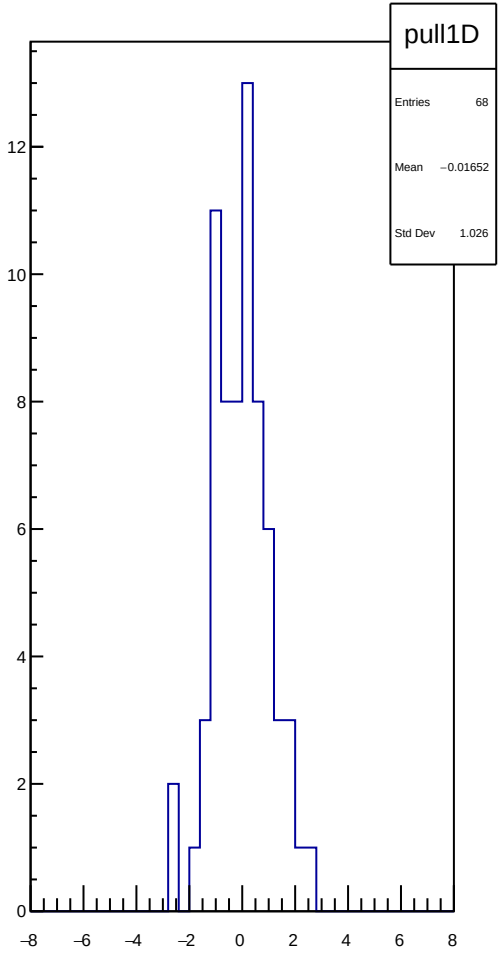

pull1D
Entries 68
Mean −0.01322
Std Dev 0.7099

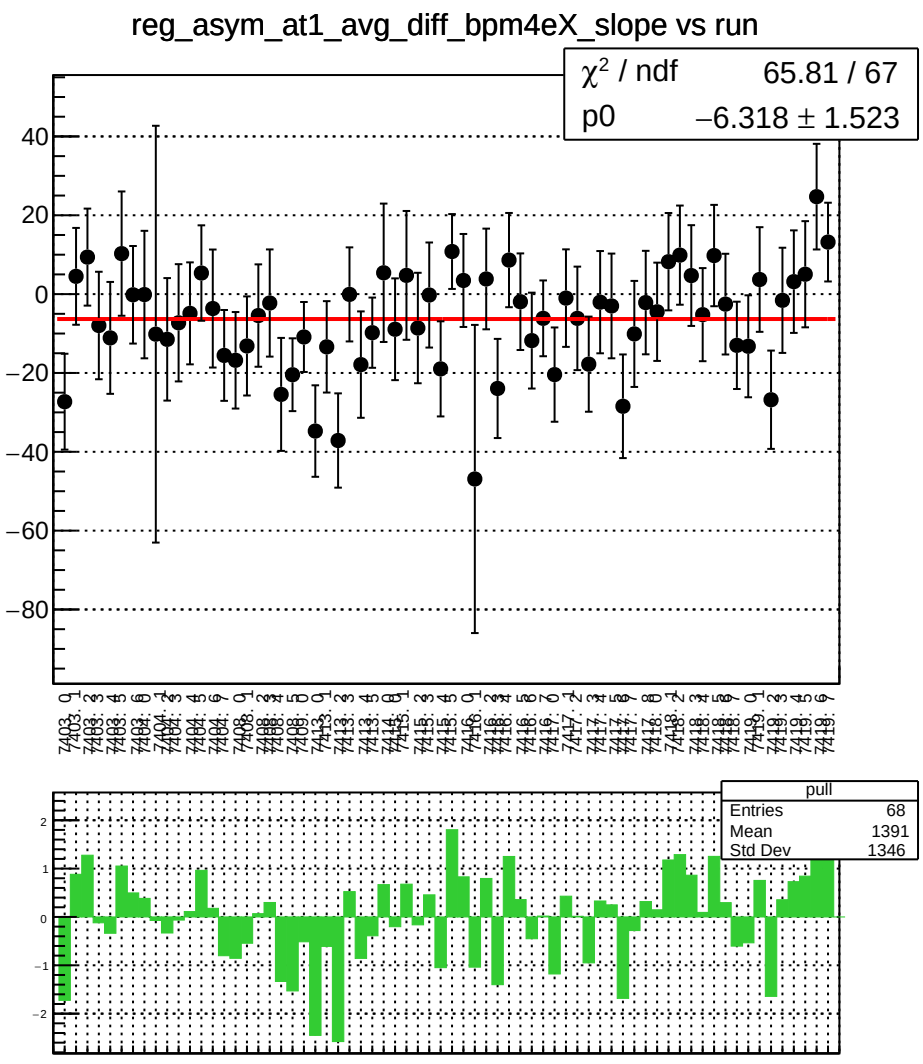

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 37.75 / 67
p0 120.1 ± 0.1818
124
122
120
118
116
pull
Entries 68
Mean −897.9
Std Dev 929.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 68
Mean −0.01229
Std Dev 0.7449
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

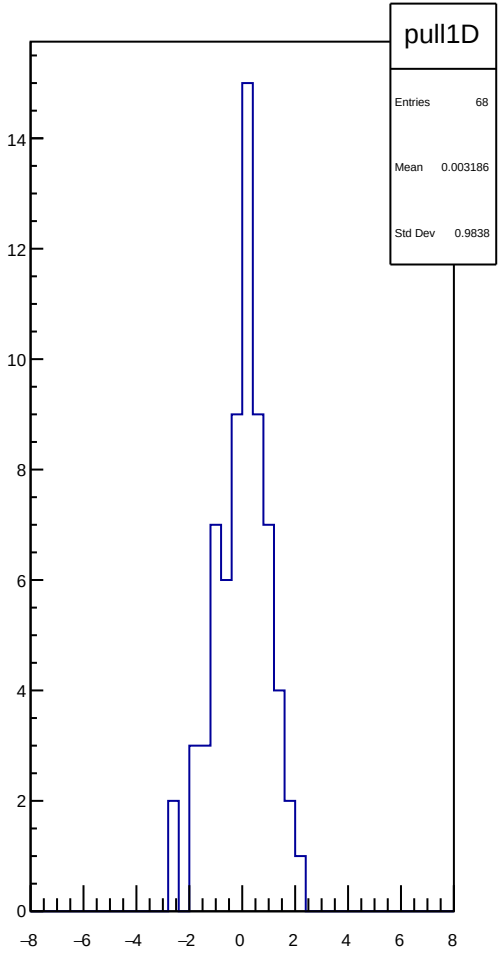

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 70.52 / 67
p0 −7.901 ± 1.466
pull
Entries 68
Mean 754.9
Std Dev 710.5

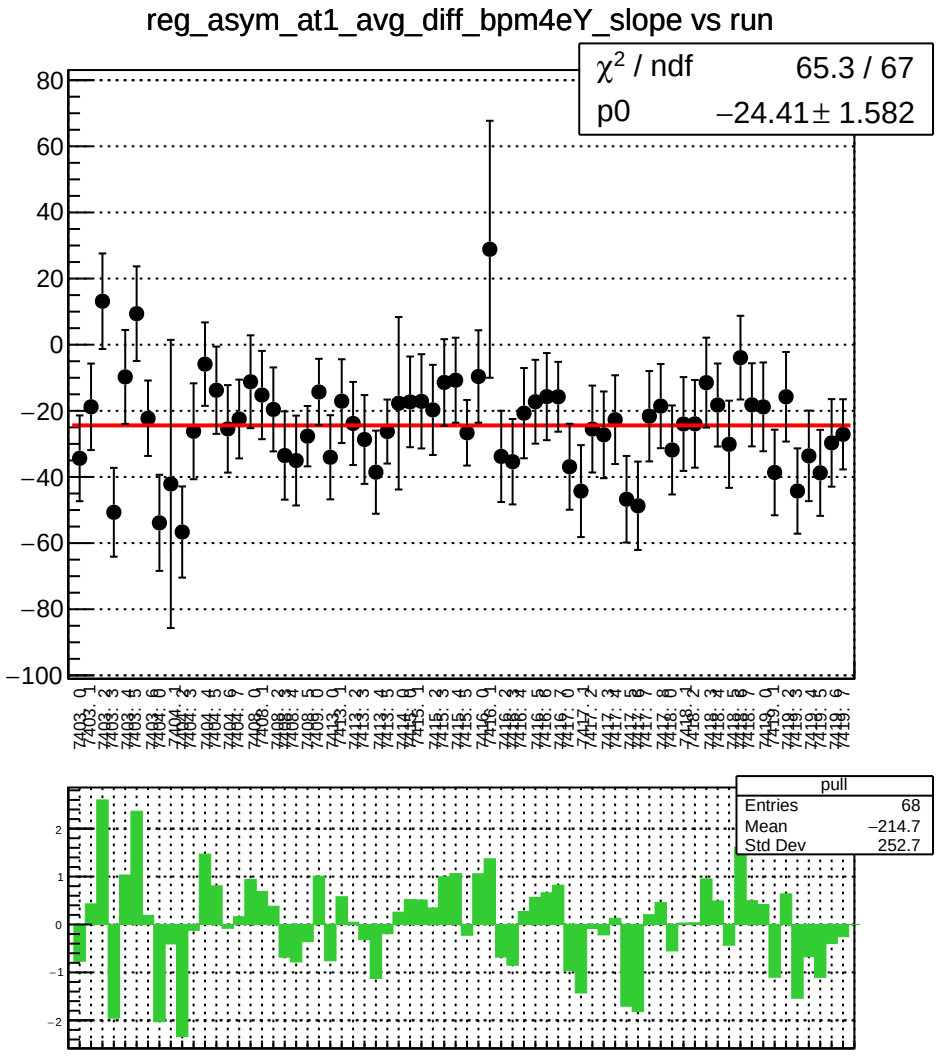

pull1D
Entries 68
Mean −0.007365
Std Dev 1.018

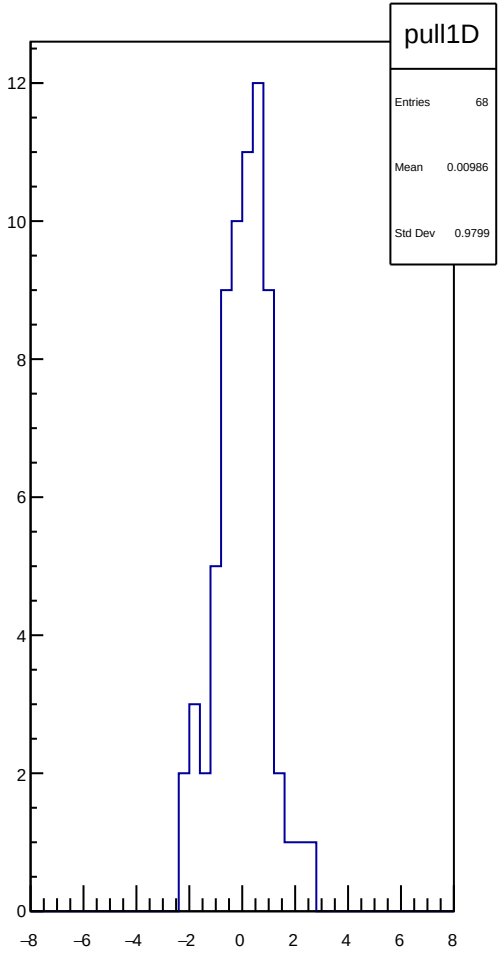

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 71.63 / 67
p0 8.388 ± 1.498
pull
Entries 68
Mean −89.68
Std Dev 129.3

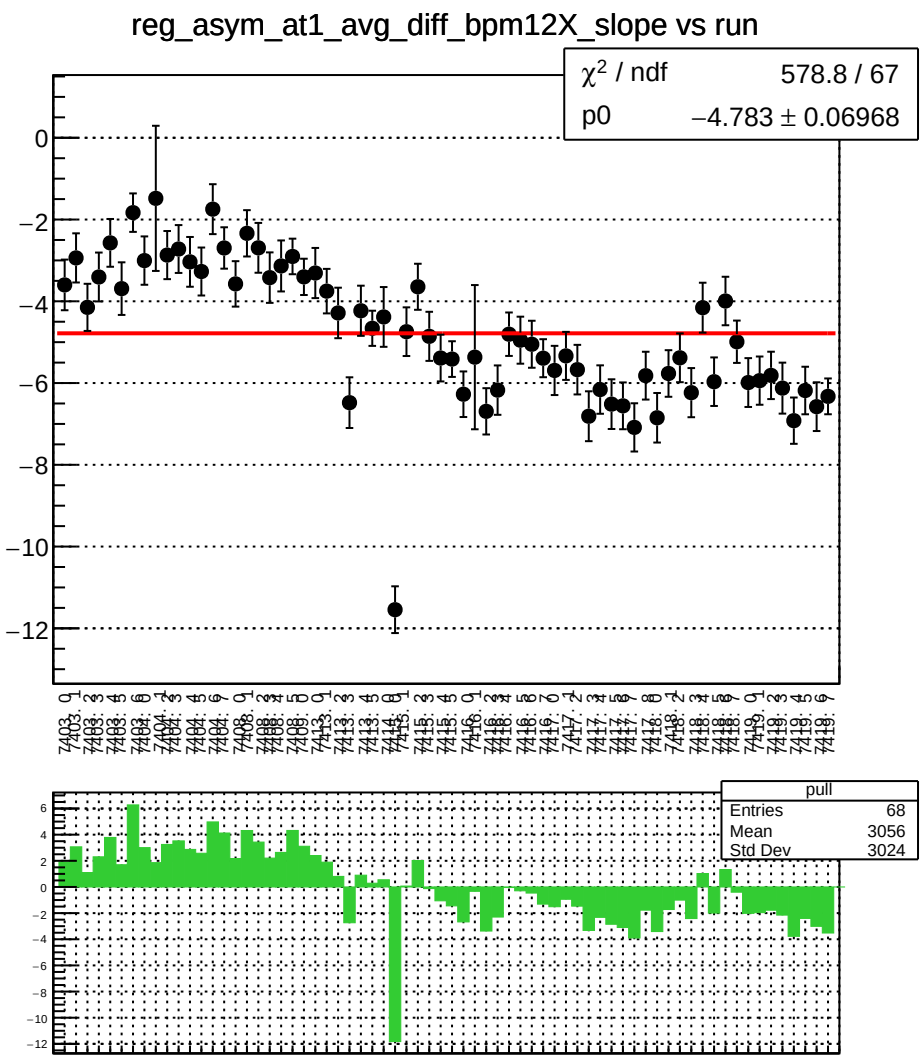

pull1D
Entries 68
Mean −0.01652
Std Dev 1.026

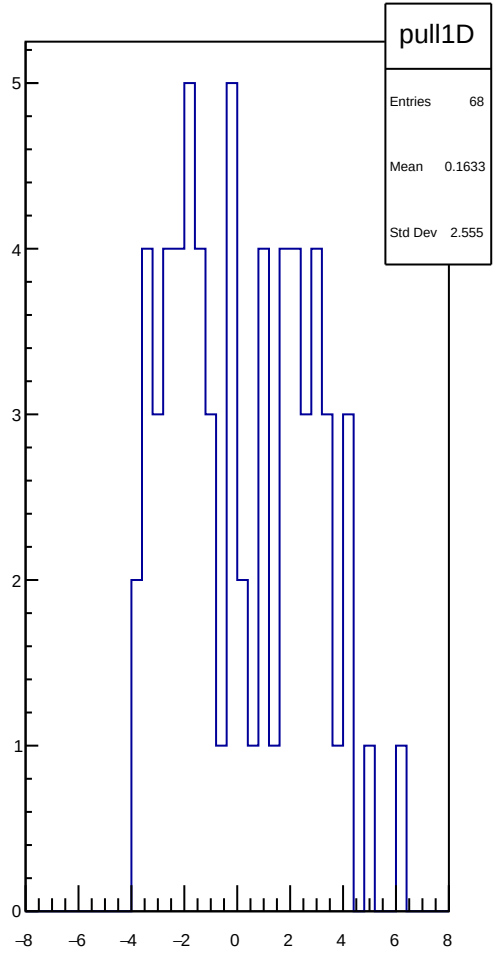

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.81 / 67
p0 −6.318 ± 1.523
pull
Entries 68
Mean 1391
Std Dev 1346

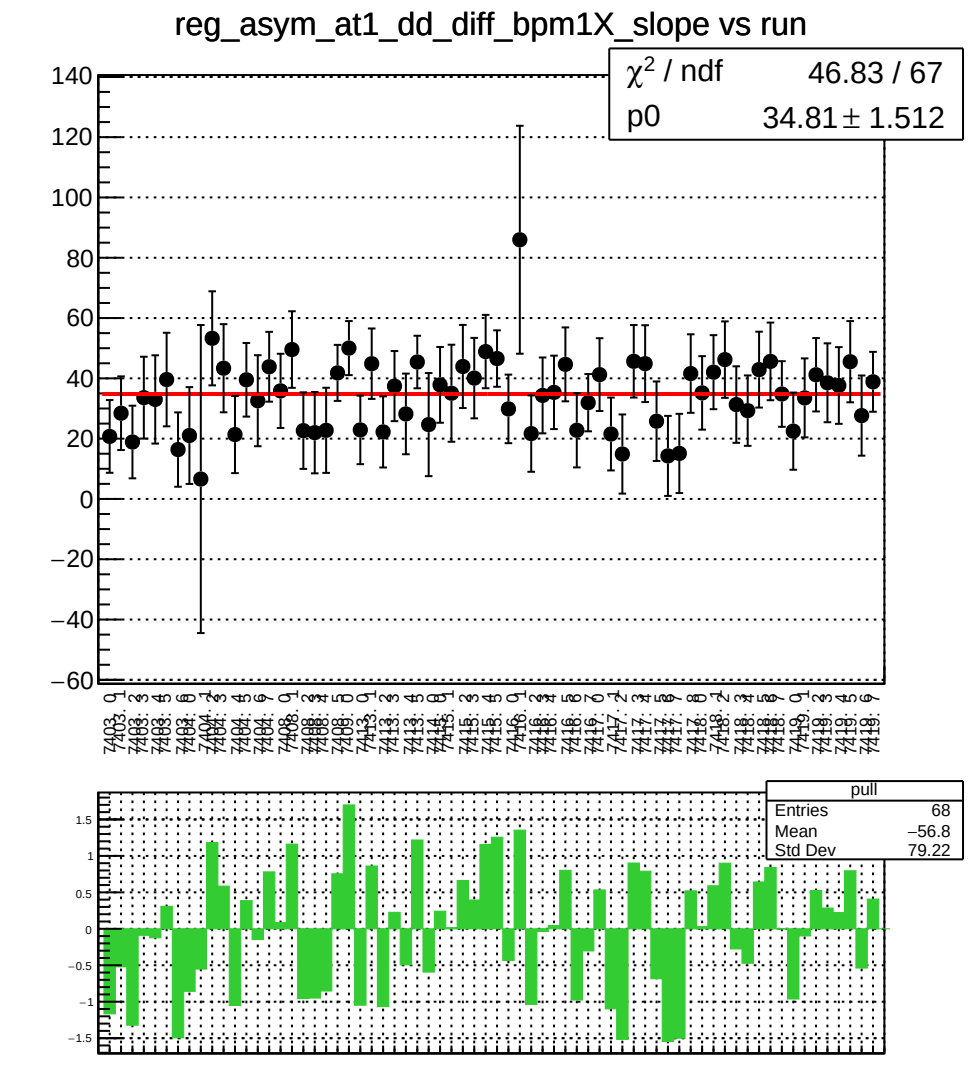

pull1D
Entries 68
Mean 0.003186
Std Dev 0.9838

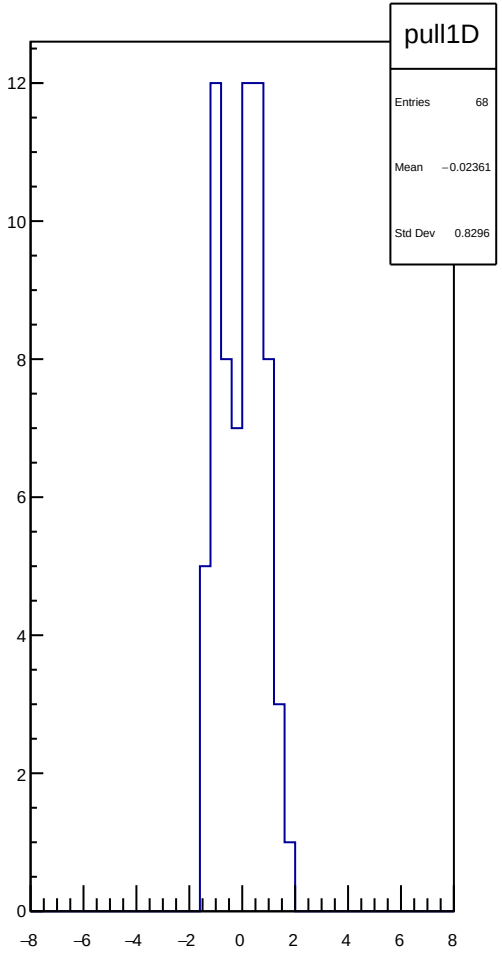

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.3 / 67
p0 −24.41 ± 1.582
pull
Entries 68
Mean −214.7
Std Dev 252.7

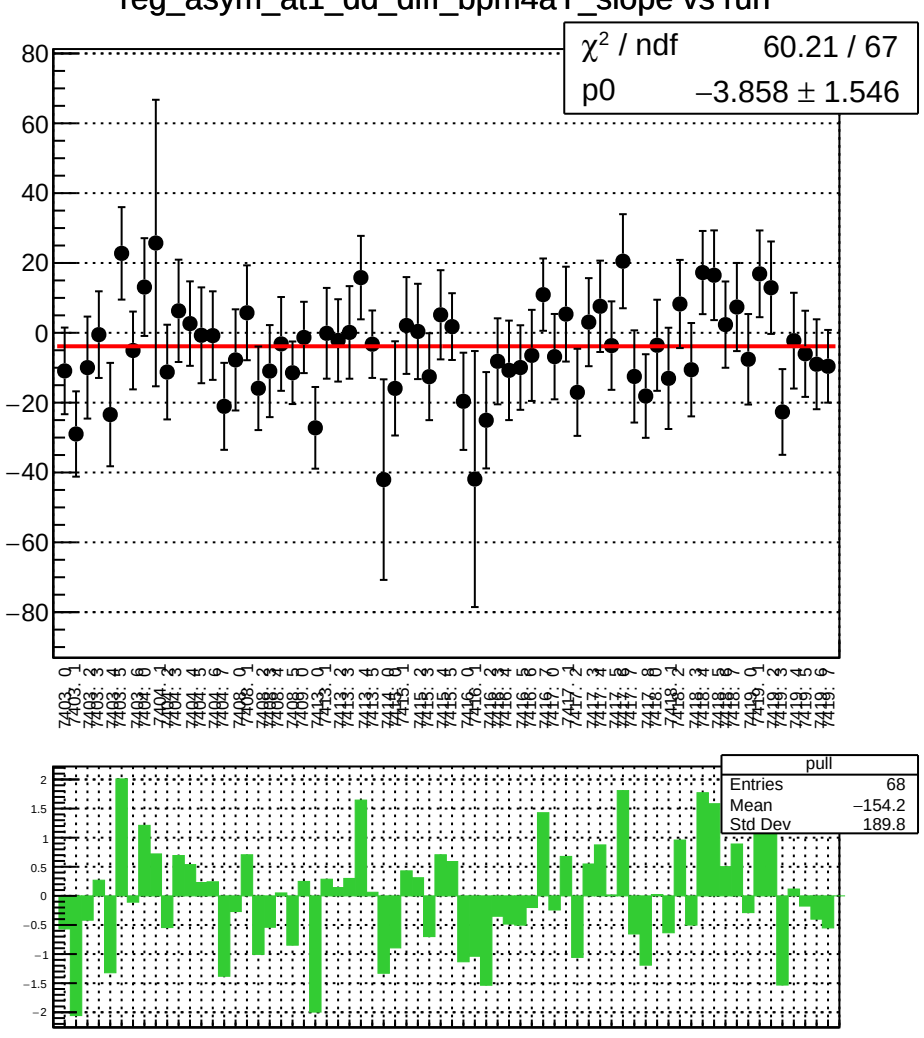

pull1D
Entries 68
Mean 0.00986
Std Dev 0.9799

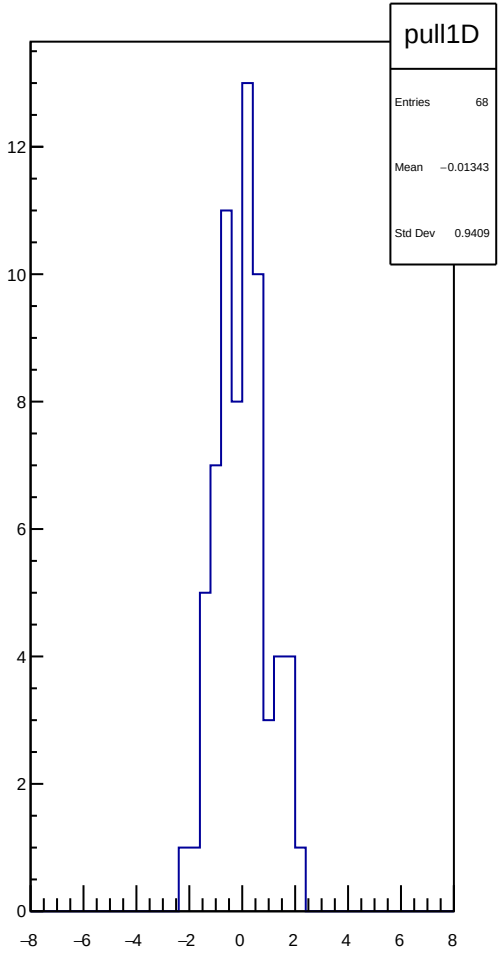

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 578.8 / 67
p0 −4.783 ± 0.06968
pull
Entries 68
Mean 3056
Std Dev 3024

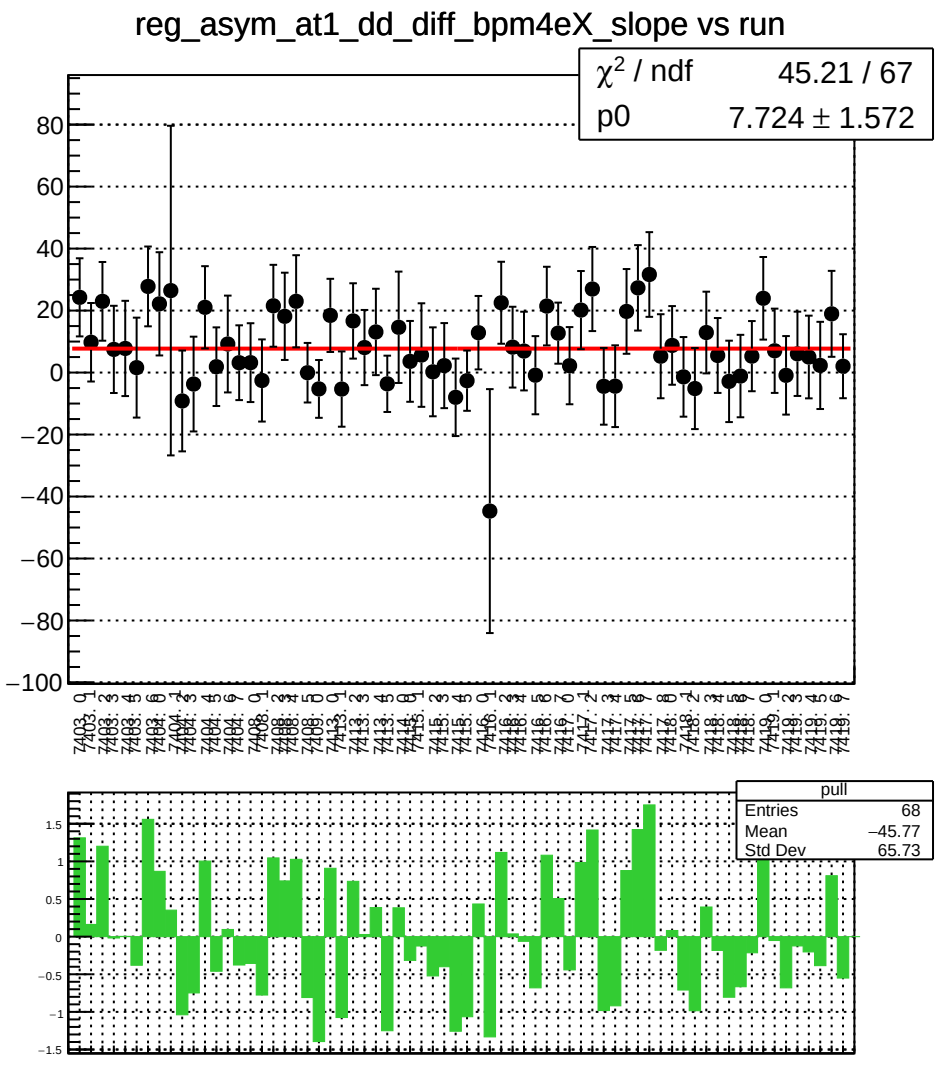

pull1D
Entries 68
Mean 0.1633
Std Dev 2.555

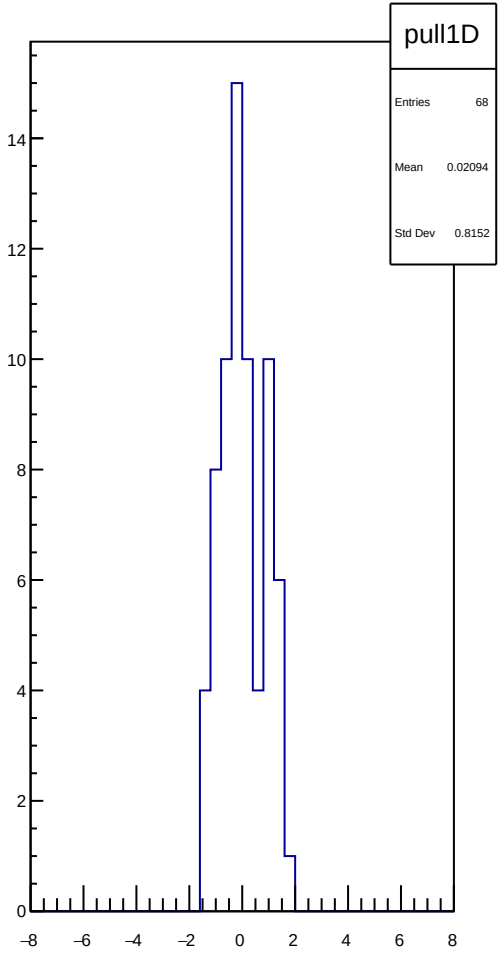

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 46.83 / 67
p0 34.81 ± 1.512
pull
Entries 68
Mean −56.8
Std Dev 79.22

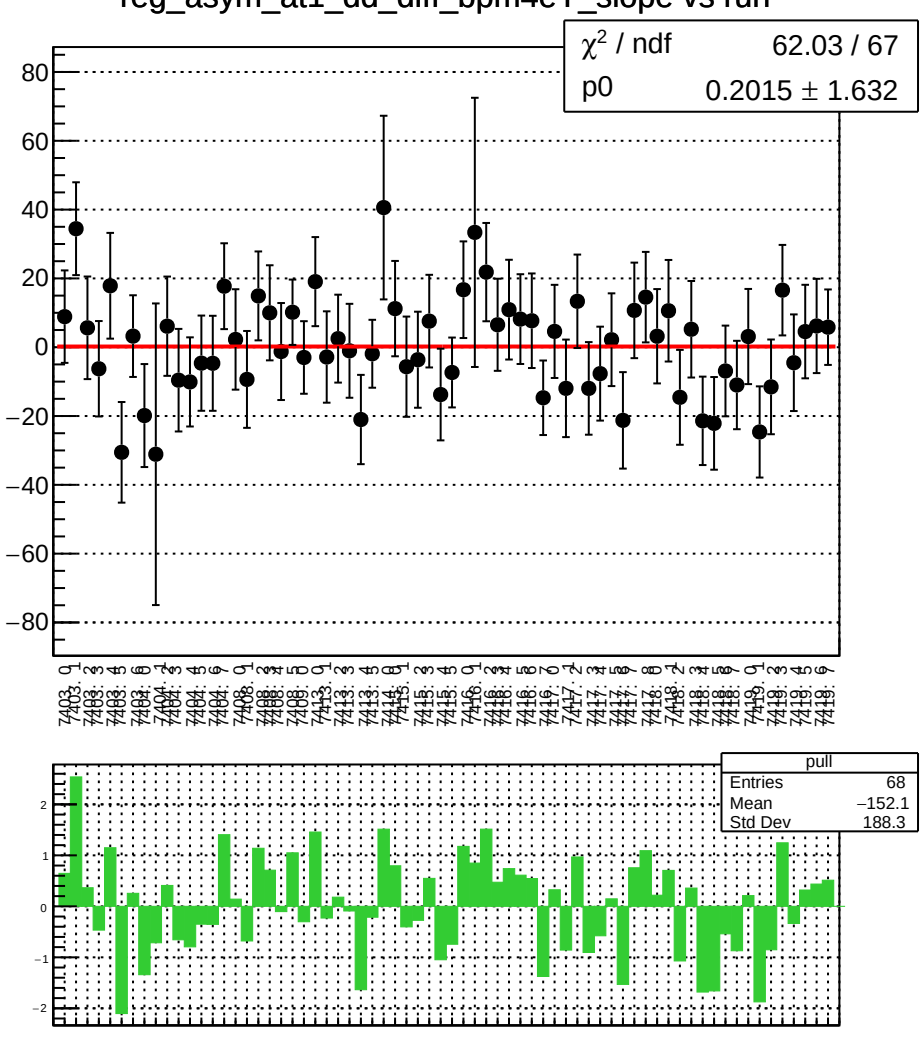

pull1D
Entries 68
Mean −0.02361
Std Dev 0.8296

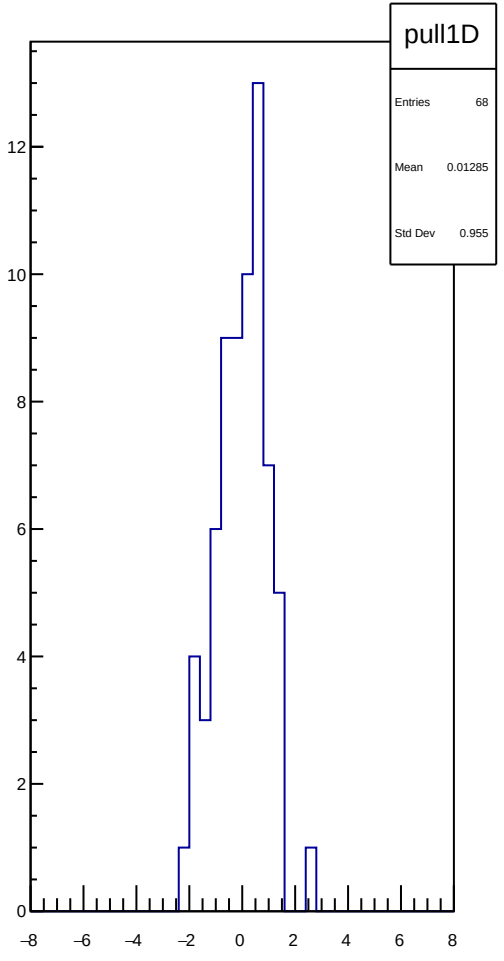

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.21 / 67
p0 −3.858 ± 1.546
pull
Entries 68
Mean −154.2
Std Dev 189.8

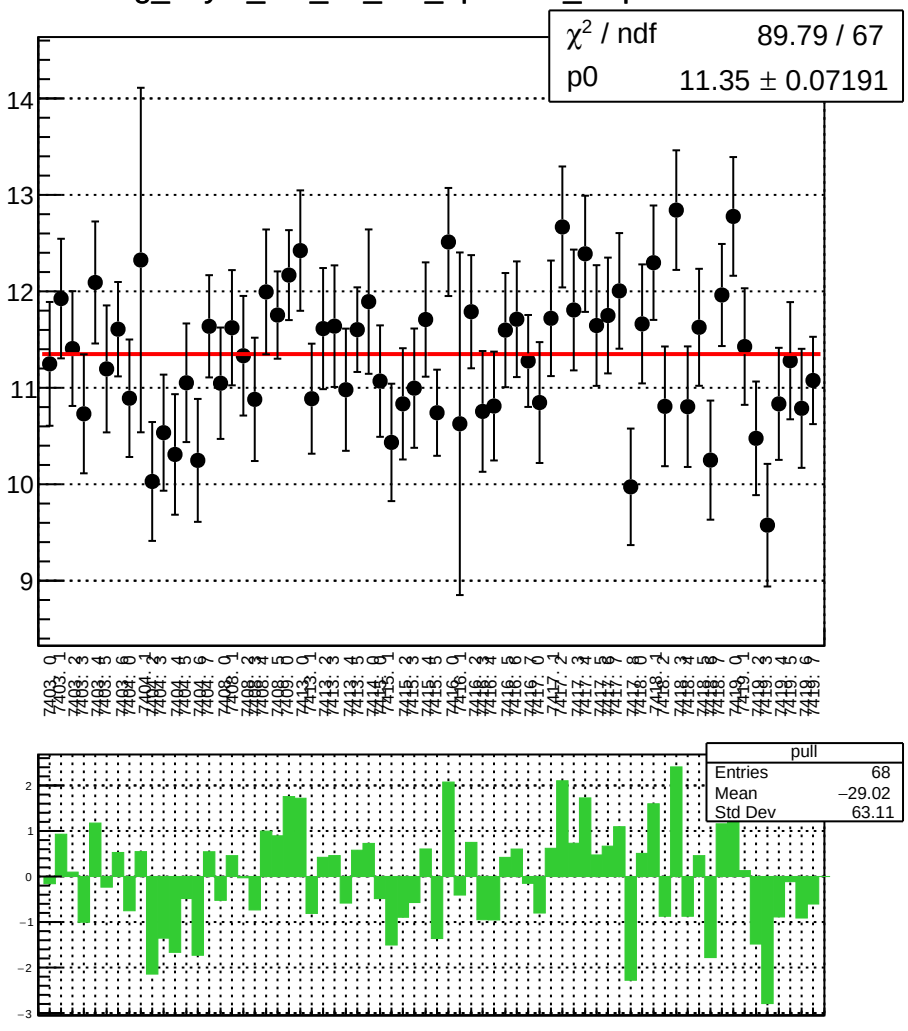

pull1D
Entries 68
Mean −0.01343
Std Dev 0.9409

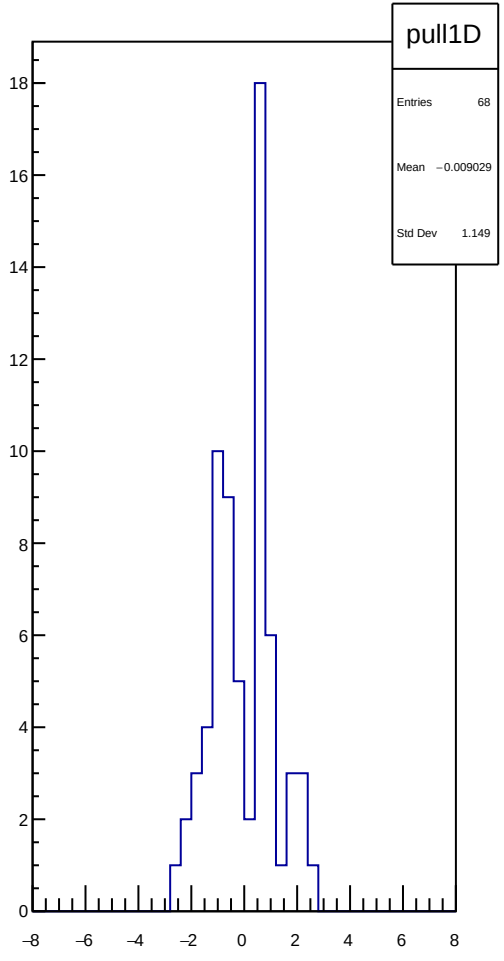

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.21 / 67
p0 7.724 ± 1.572
pull
Entries 68
Mean −45.77
Std Dev 65.73

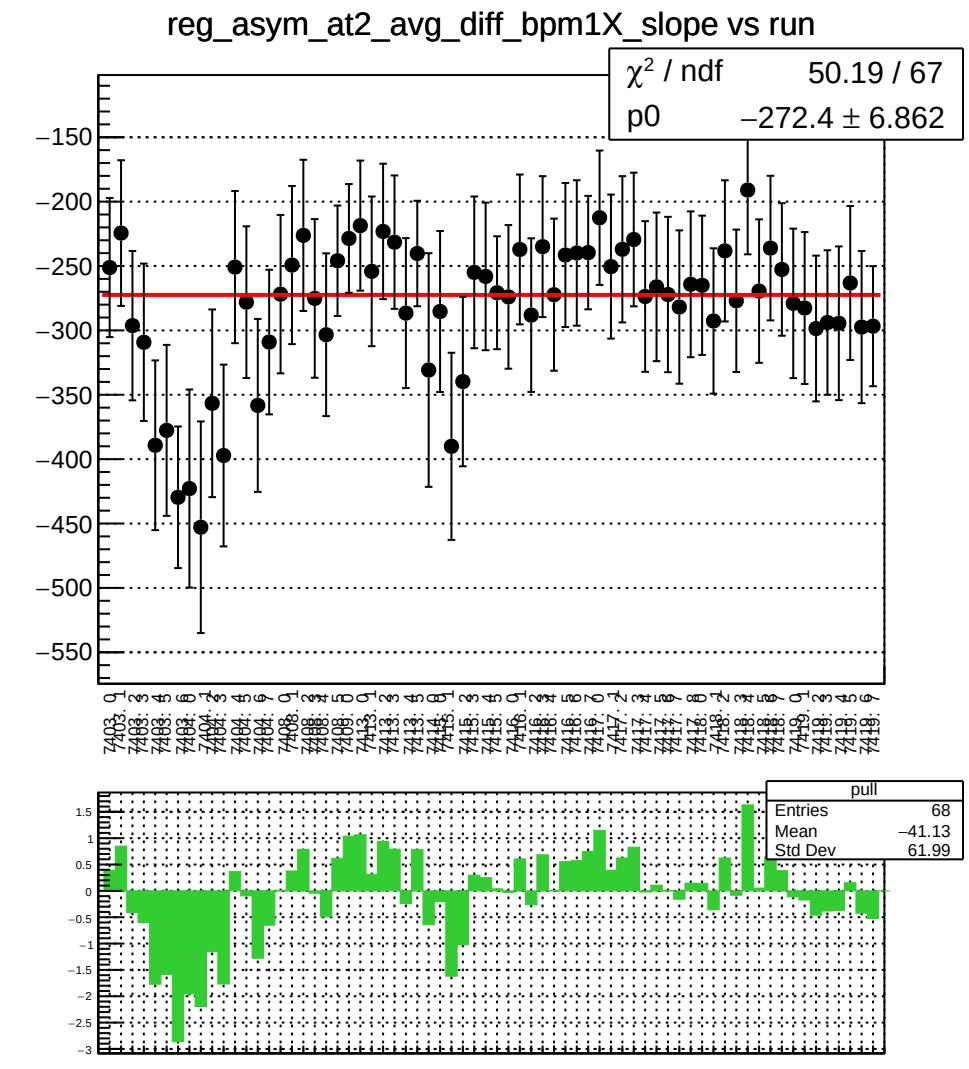

pull1D
Entries 68
Mean 0.02094
Std Dev 0.8152

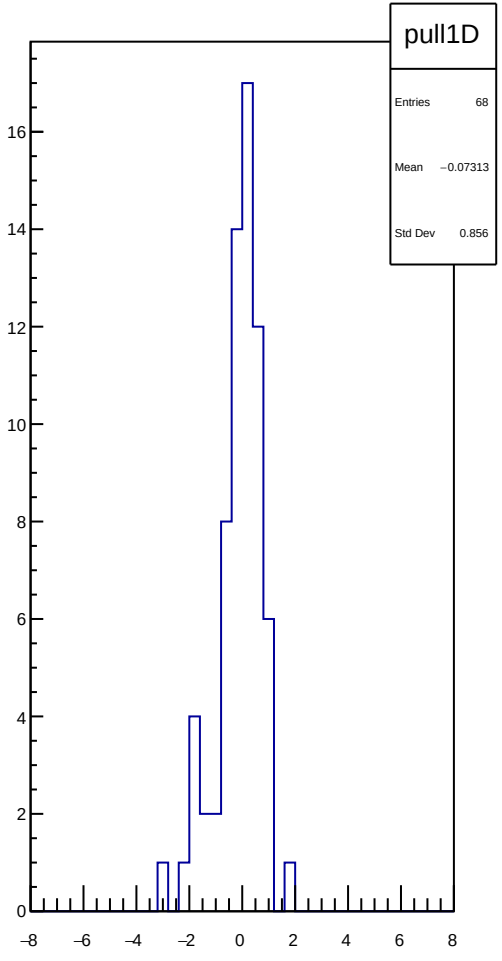

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.03 / 67
p0 0.2015 ± 1.632
pull
Entries 68
Mean −152.1
Std Dev 188.3

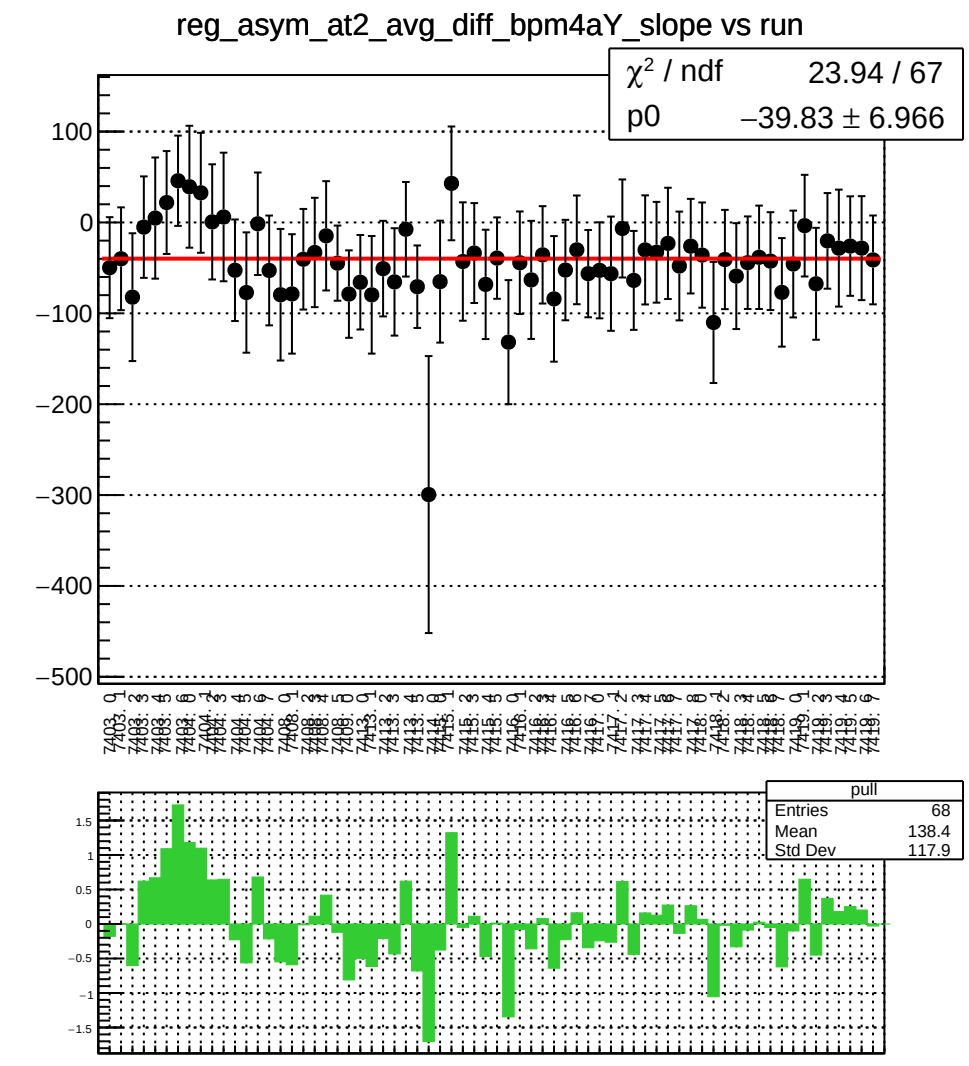

pull1D
Entries 68
Mean 0.01285
Std Dev 0.955

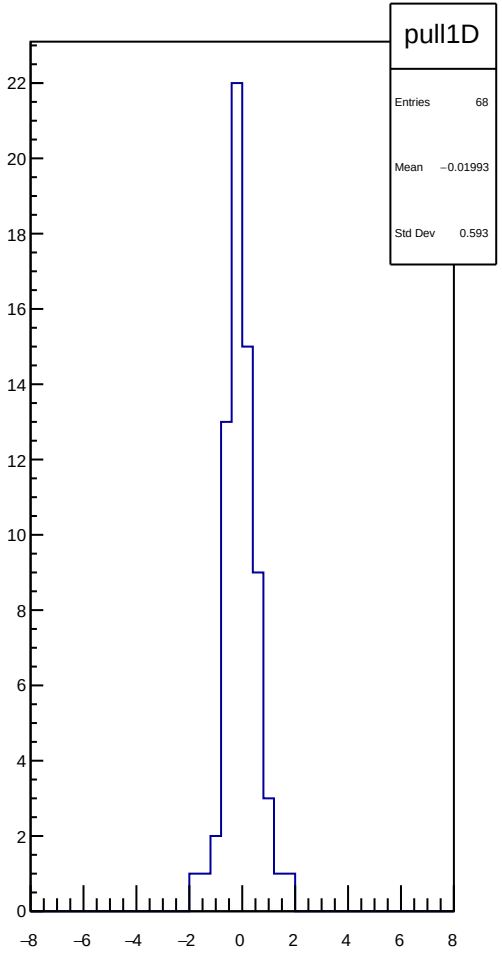

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 89.79 / 67
p0 11.35 ± 0.07191
pull
Entries 68
Mean −29.02
Std Dev 63.11

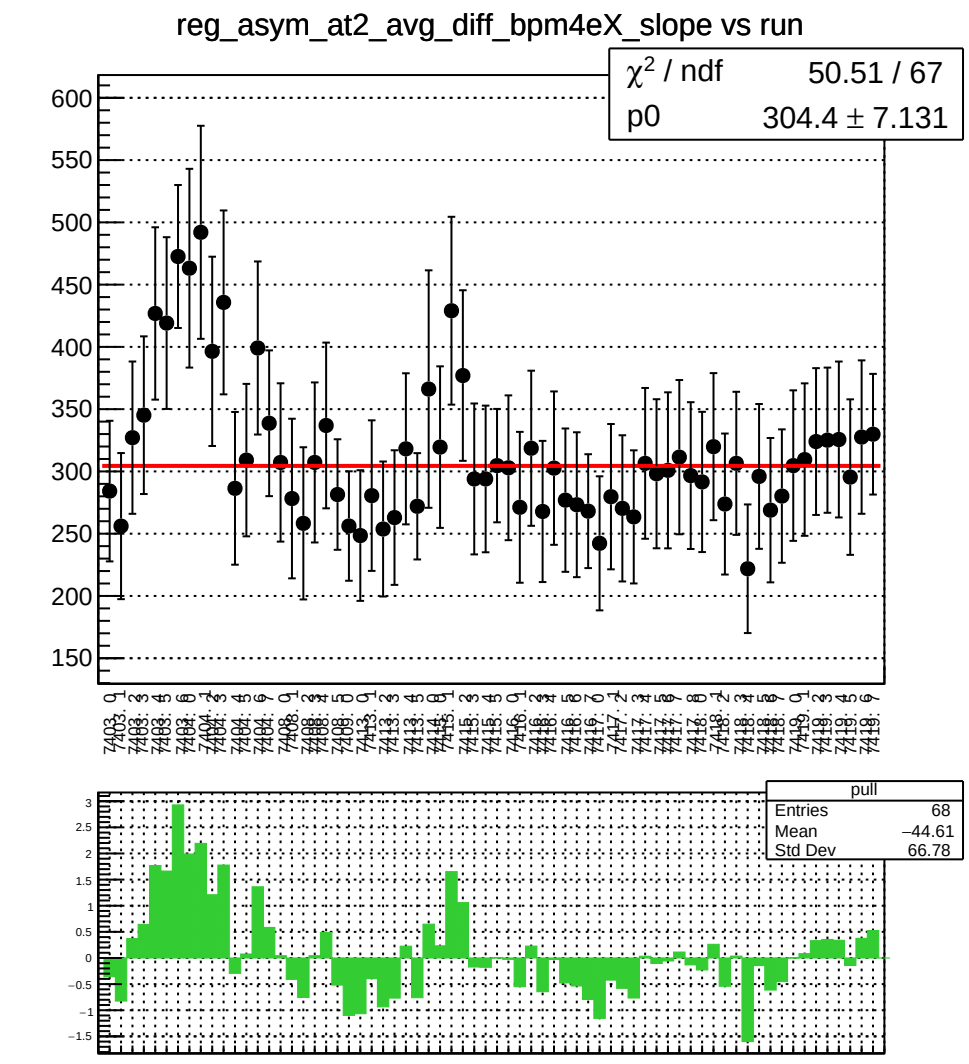

pull1D
Entries 68
Mean −0.009029
Std Dev 1.149

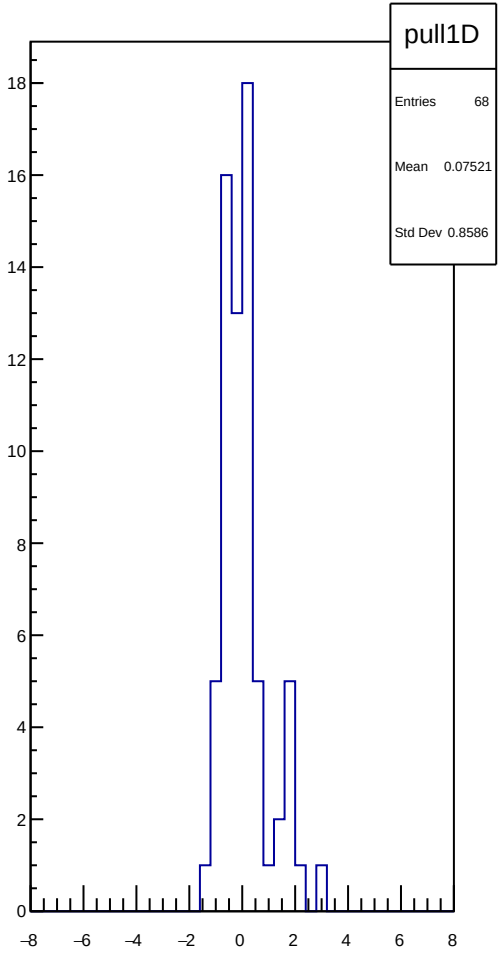

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 50.19 / 67
p0 −272.4 ± 6.862
pull
Entries 68
Mean −41.13
Std Dev 61.99

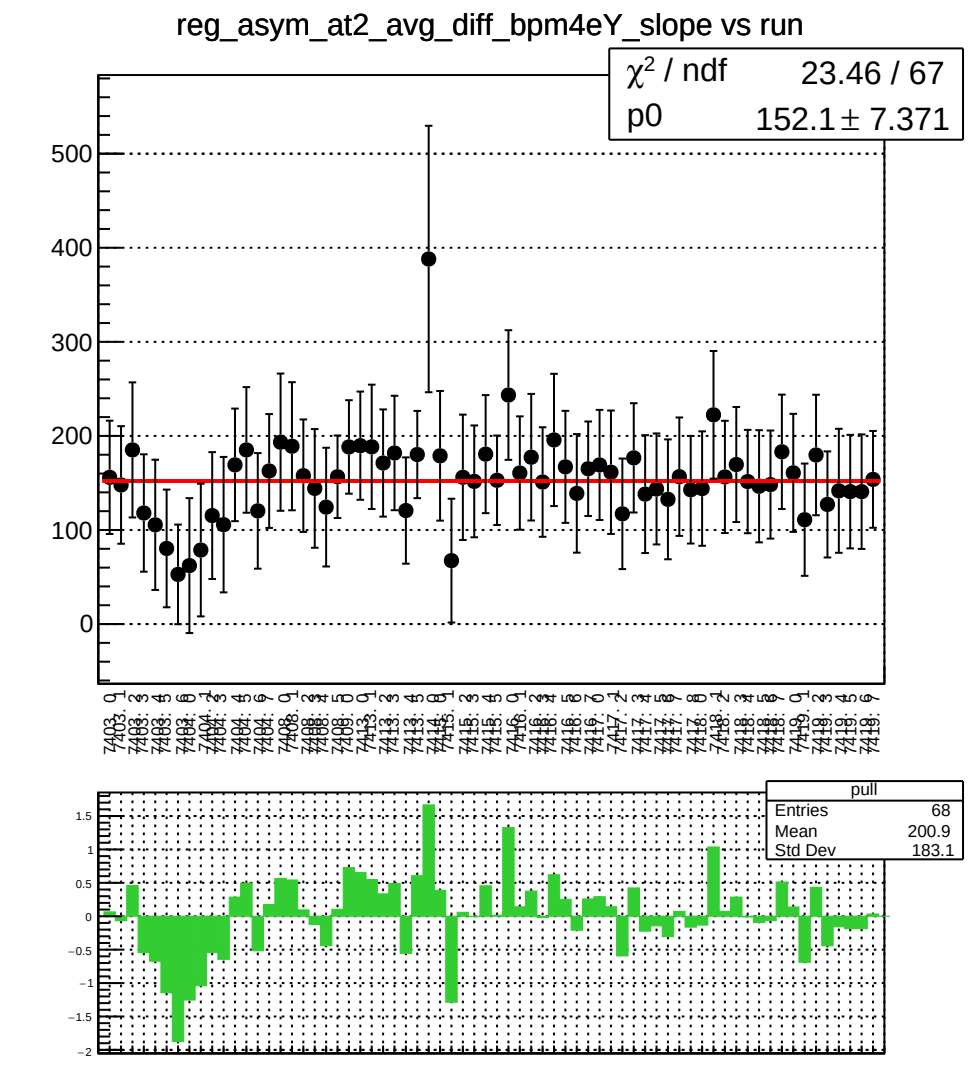

pull1D
Entries 68
Mean −0.07313
Std Dev 0.856

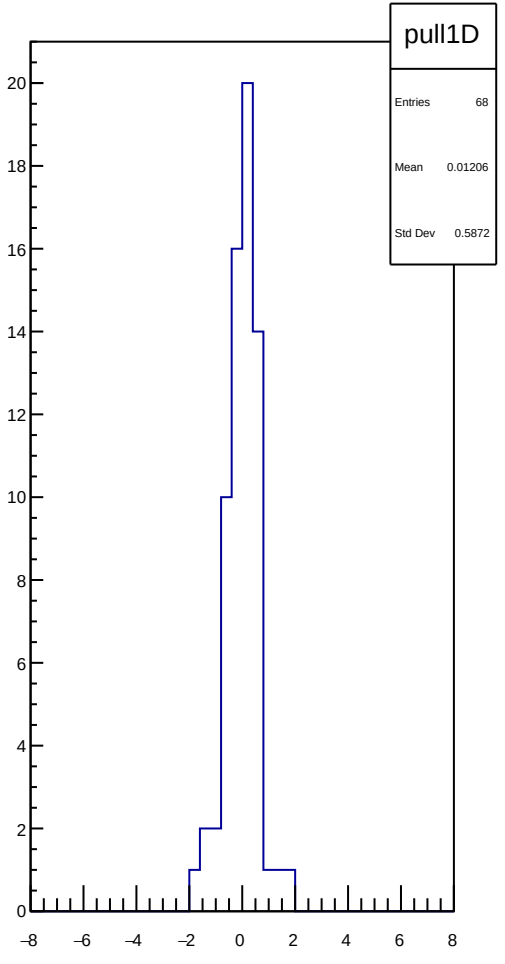

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.94 / 67
p0 −39.83 ± 6.966
pull
Entries 68
Mean 138.4
Std Dev 117.9

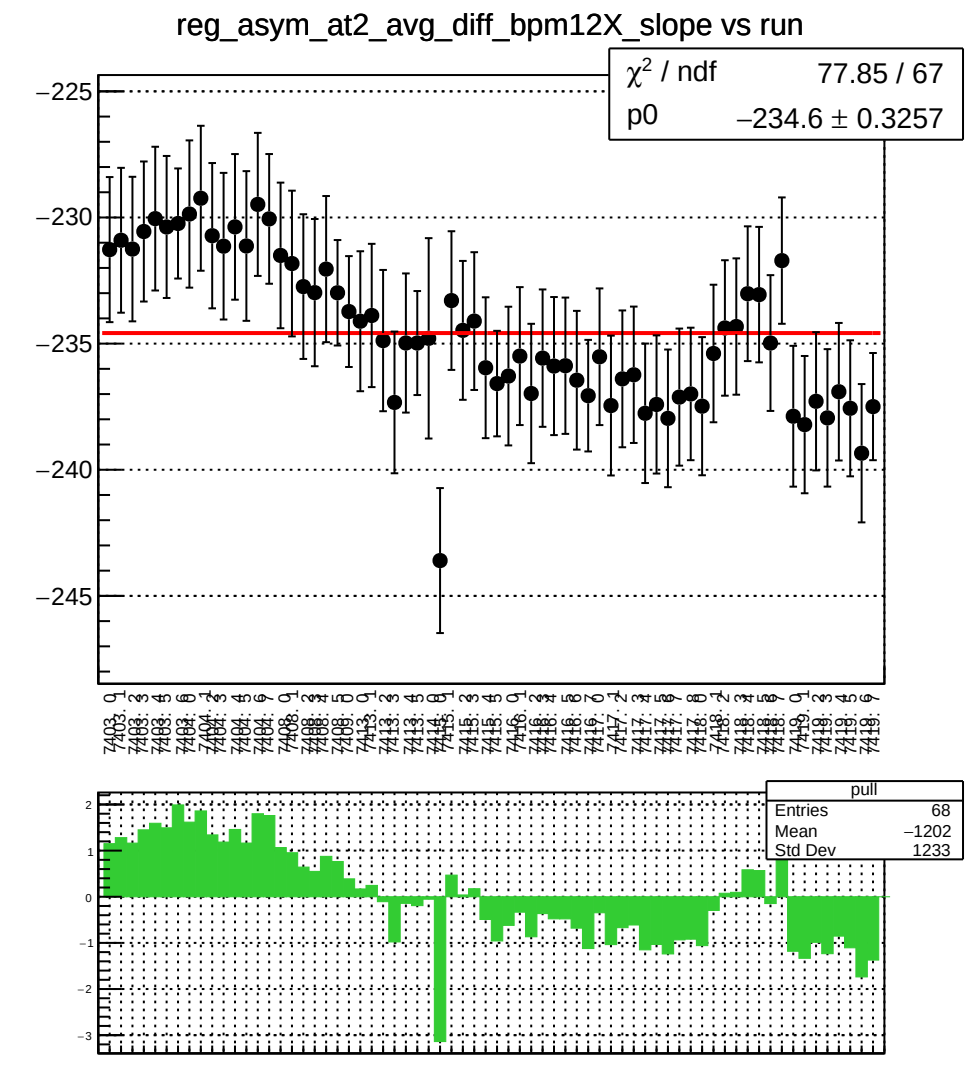

pull1D
Entries 68
Mean −0.01993
Std Dev 0.593

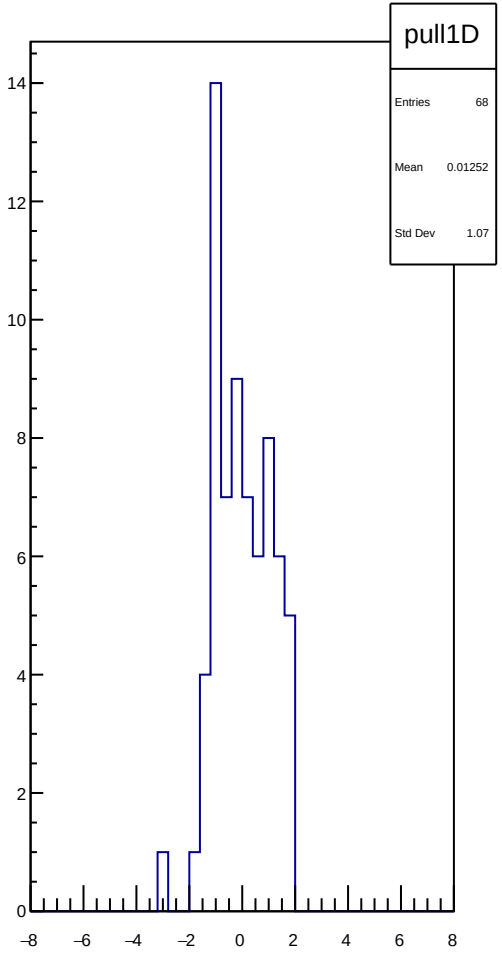

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.51 / 67
p0 304.4 ± 7.131
pull
Entries 68
Mean −44.61
Std Dev 66.78

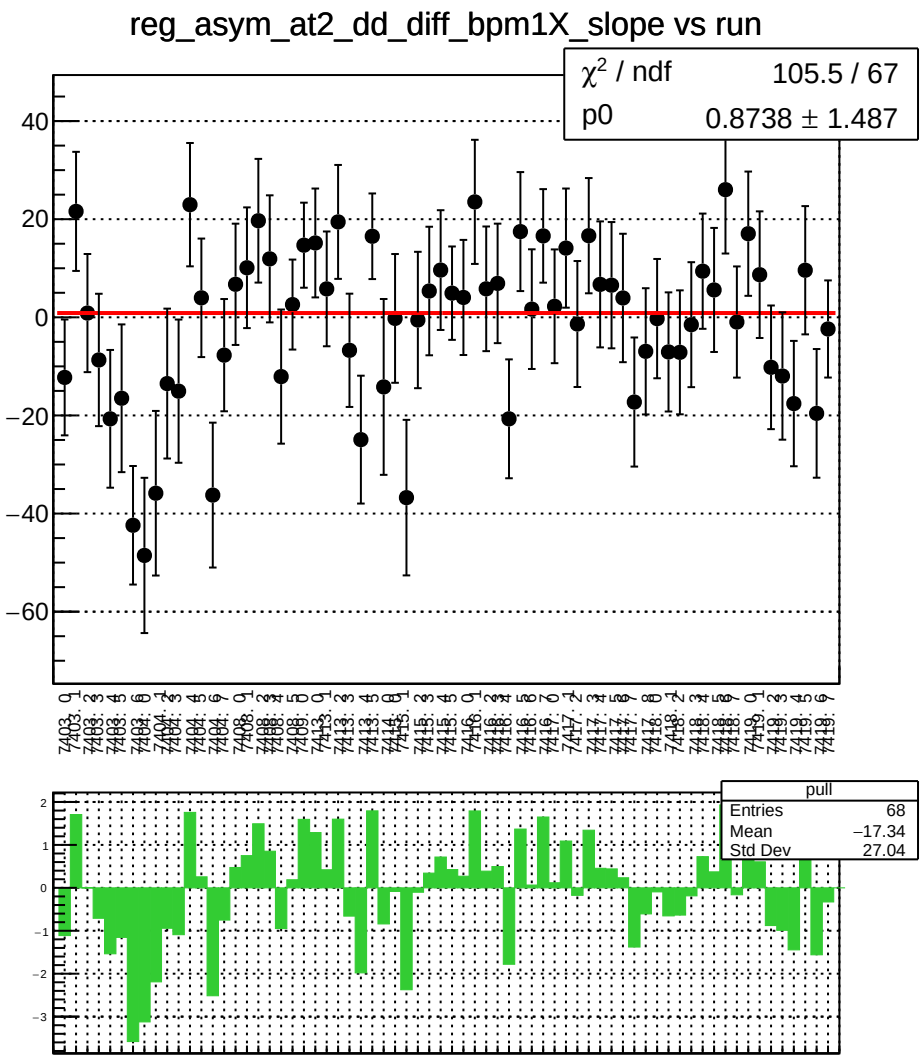

pull1D
Entries 68
Mean 0.07521
Std Dev 0.8586

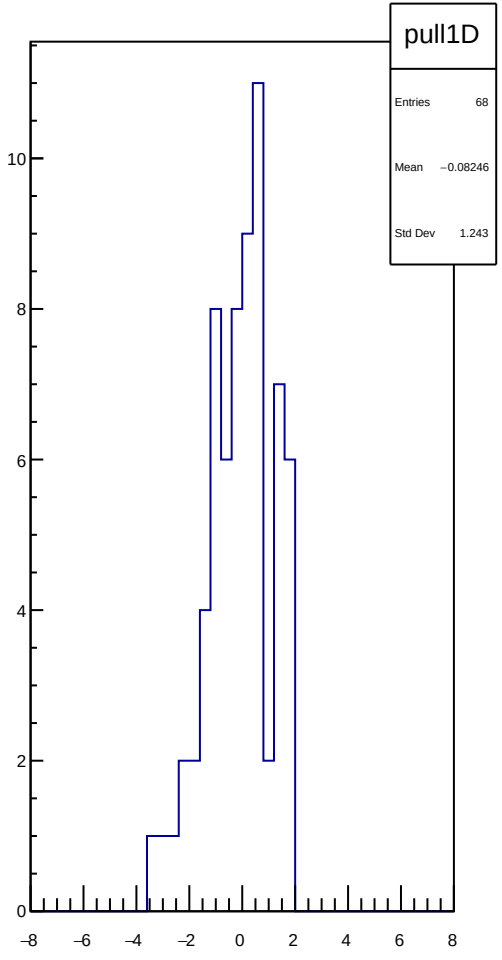

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.46 / 67
p0 152.1 ± 7.371
pull
Entries 68
Mean 200.9
Std Dev 183.1

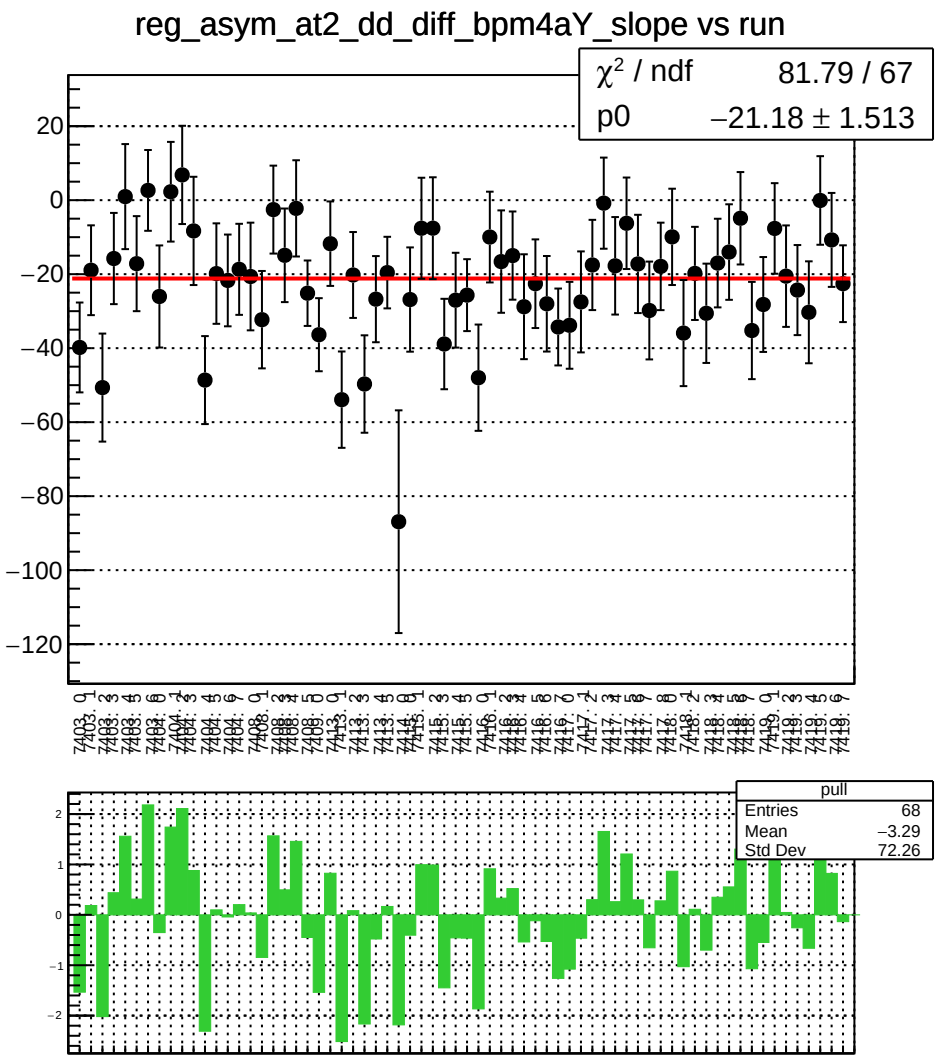

pull1D
Entries 68
Mean 0.01206
Std Dev 0.5872

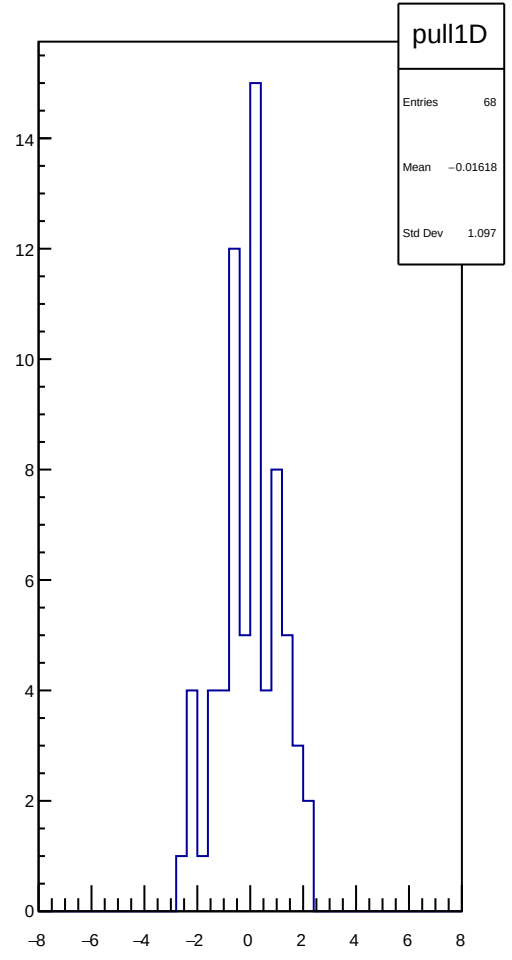

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 77.85 / 67
p0 −234.6 ± 0.3257
pull
Entries 68
Mean −1202
Std Dev 1233

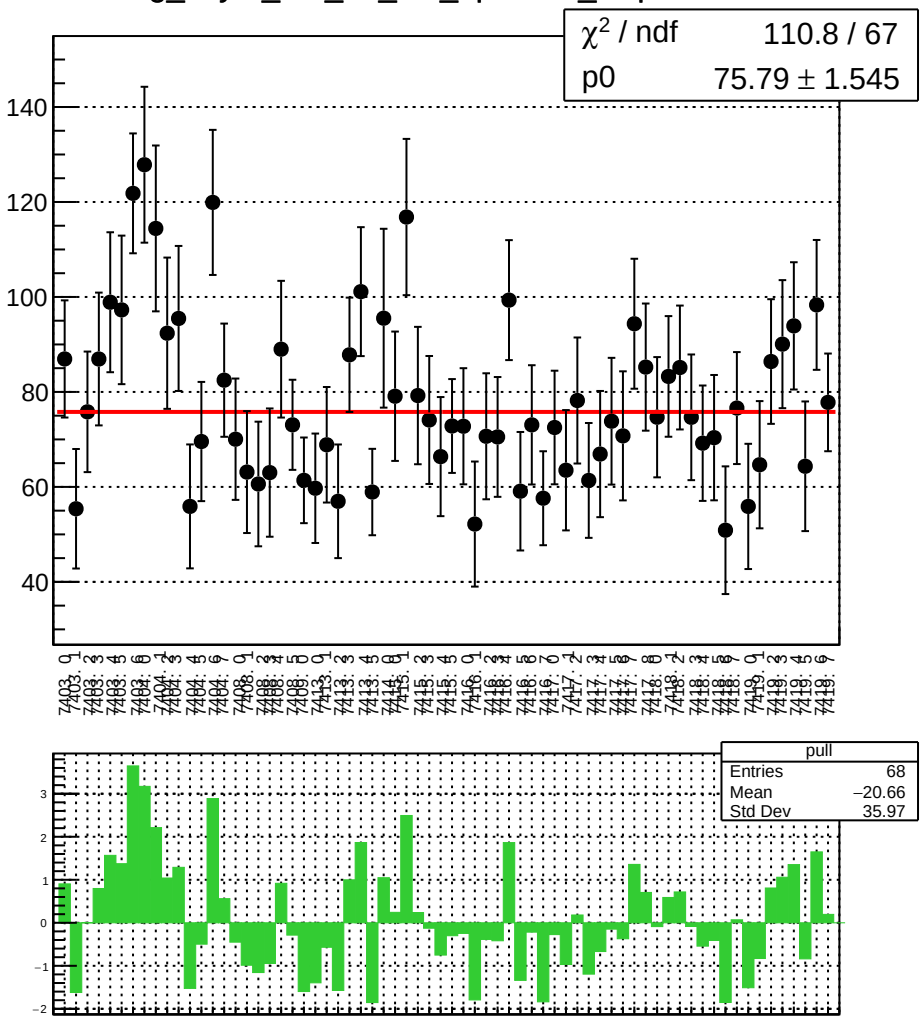

pull1D
Entries 68
Mean 0.01252
Std Dev 1.07

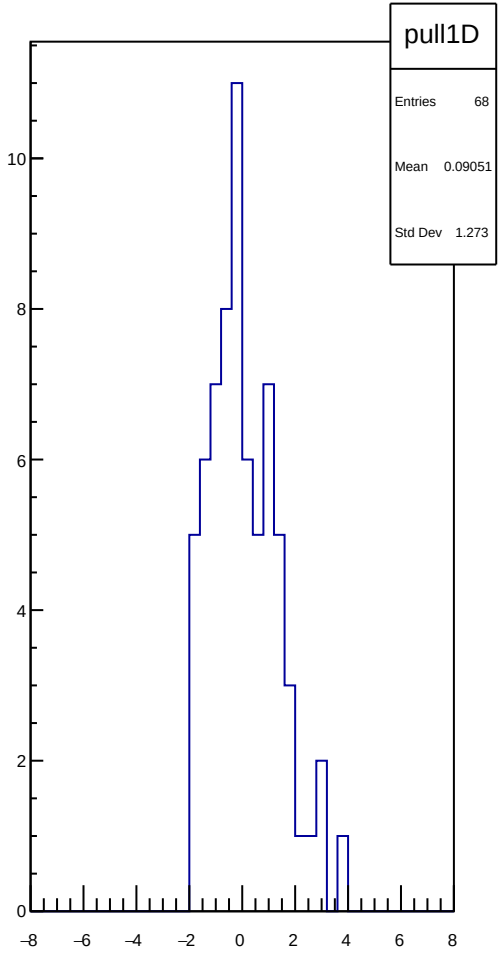

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 105.5 / 67
p0 0.8738 ± 1.487
pull
Entries 68
Mean −17.34
Std Dev 27.04

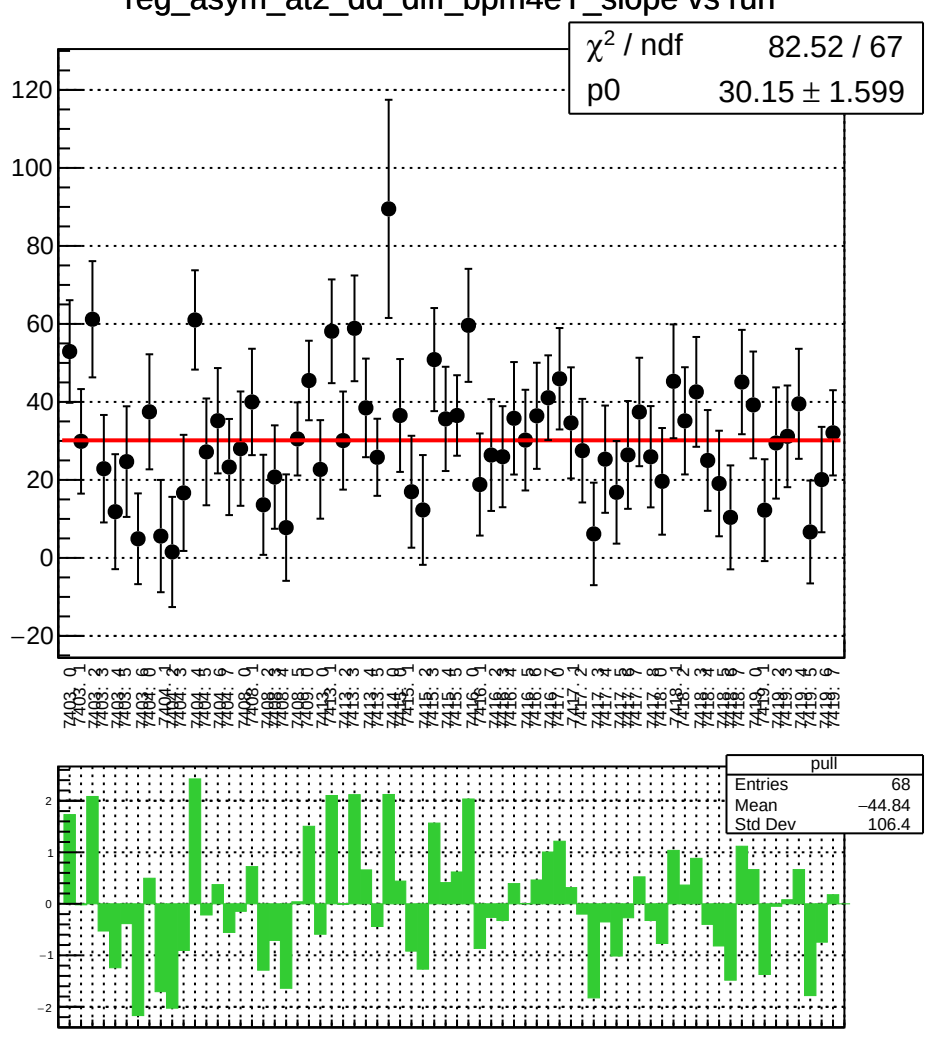

pull1D
Entries 68
Mean −0.08246
Std Dev 1.243

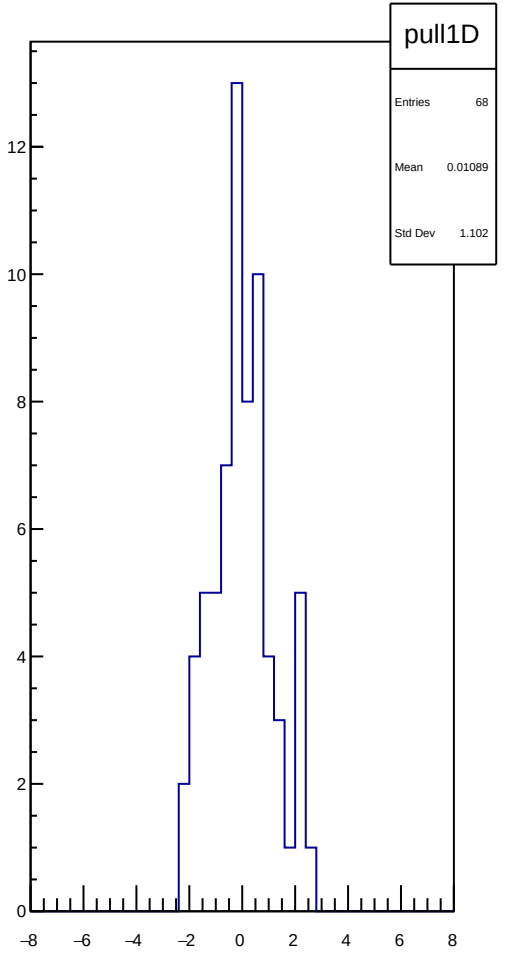

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.79 / 67
p0 −21.18 ± 1.513
pull
Entries 68
Mean −3.29
Std Dev 72.26

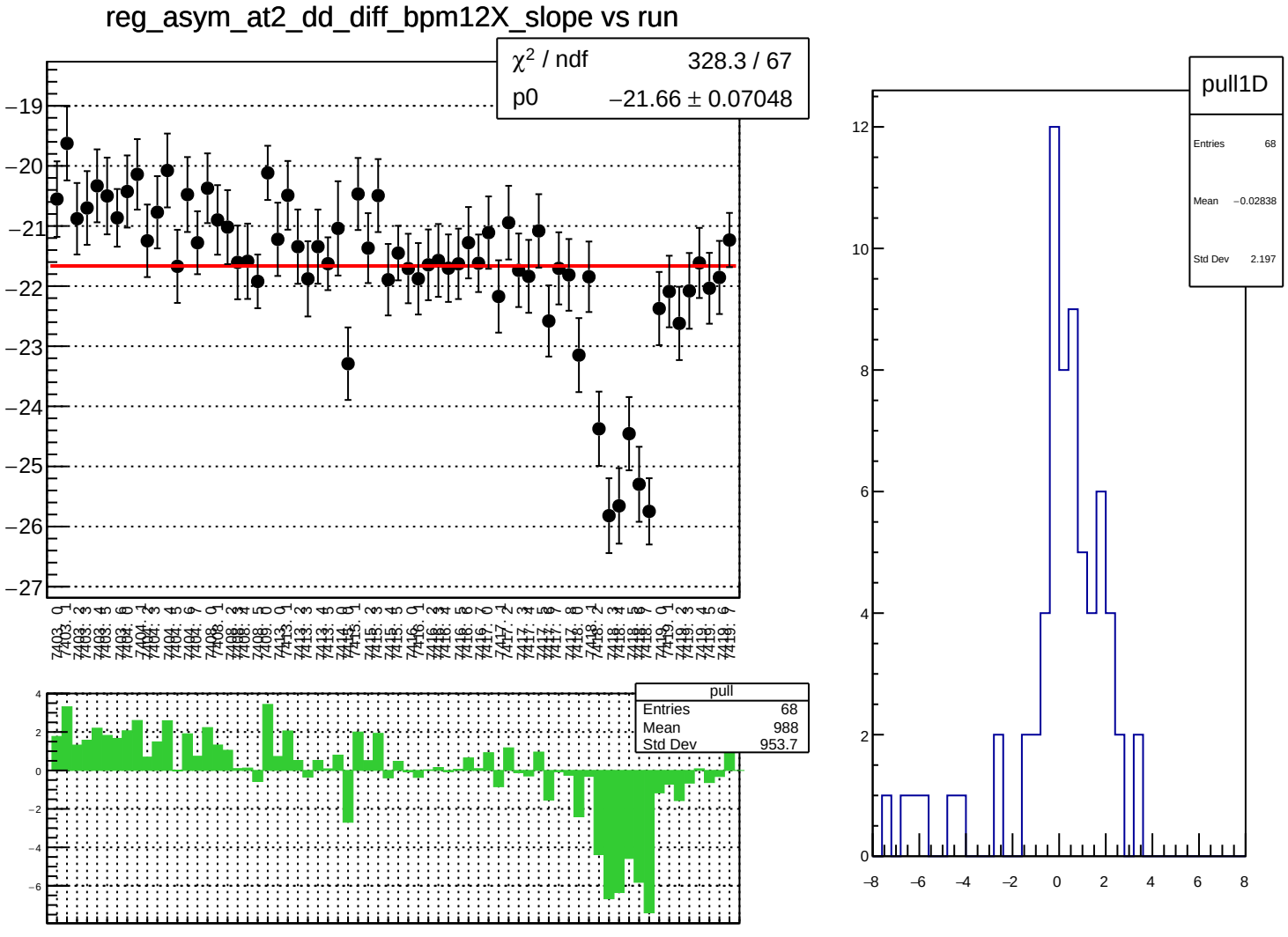

pull1D
Entries 68
Mean −0.01618
Std Dev 1.097

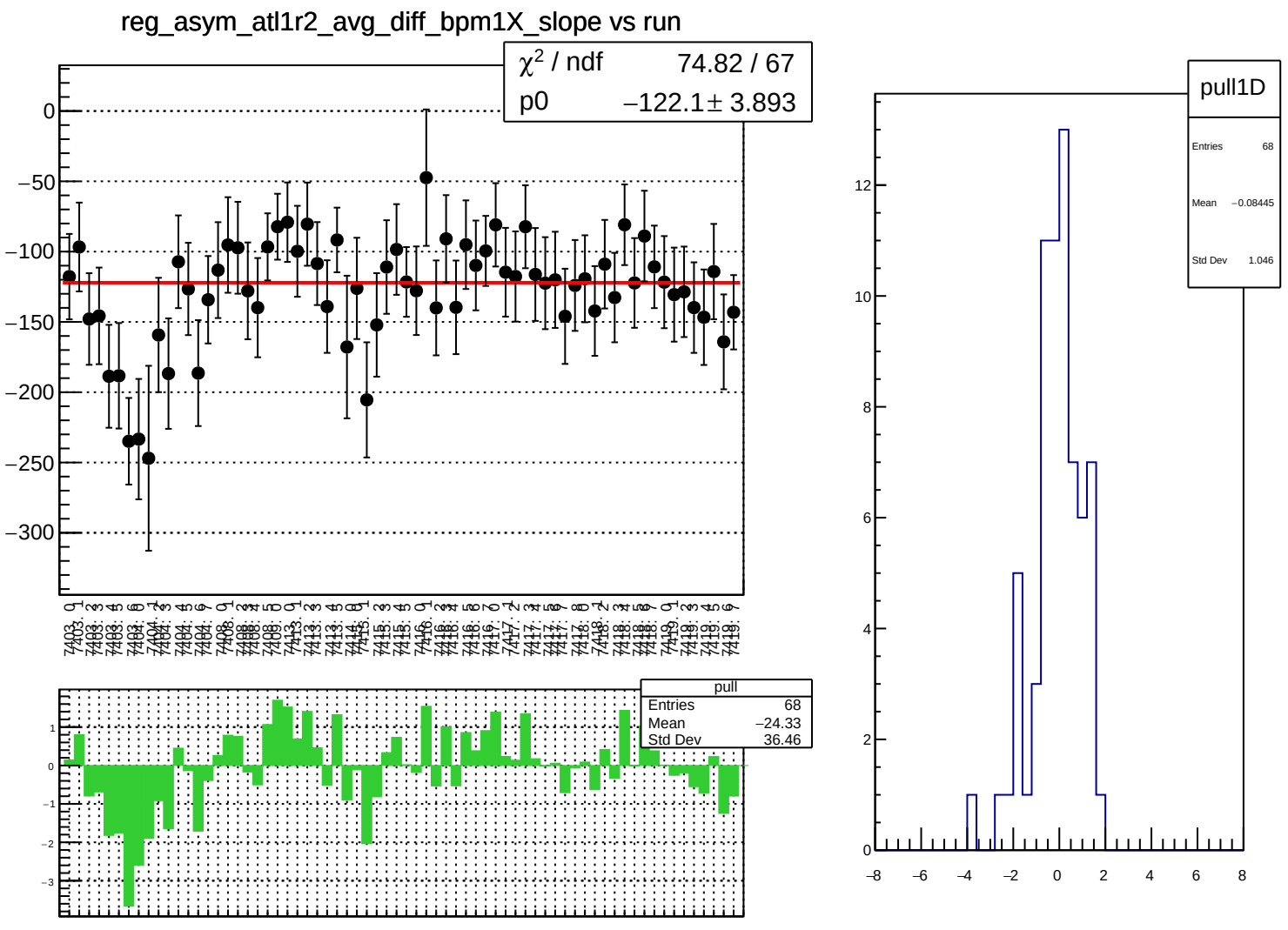

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 110.8 / 67
p0 75.79 ± 1.545
pull
Entries 68
Mean −20.66
Std Dev 35.97

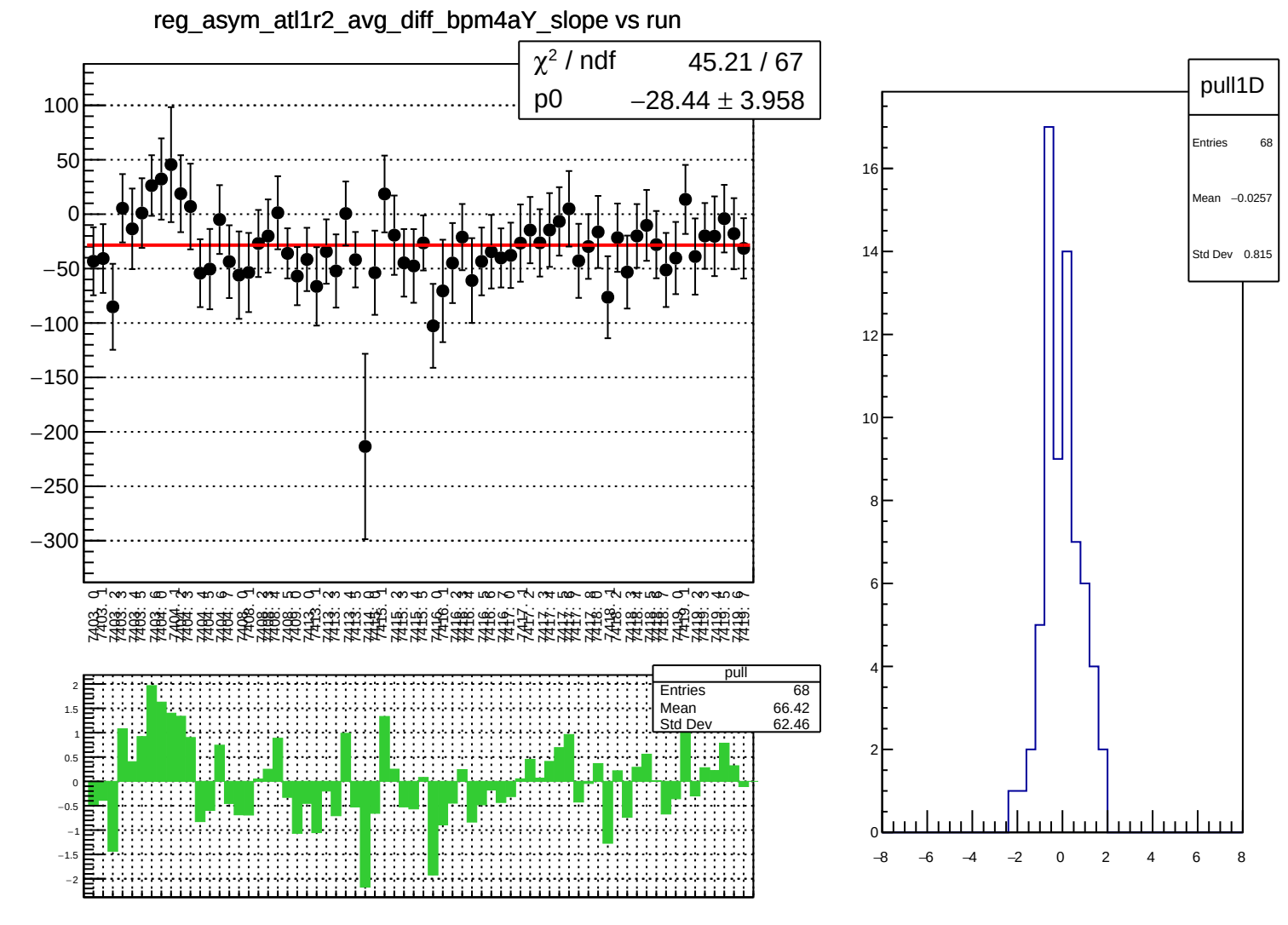

pull1D
Entries 68
Mean 0.09051
Std Dev 1.273

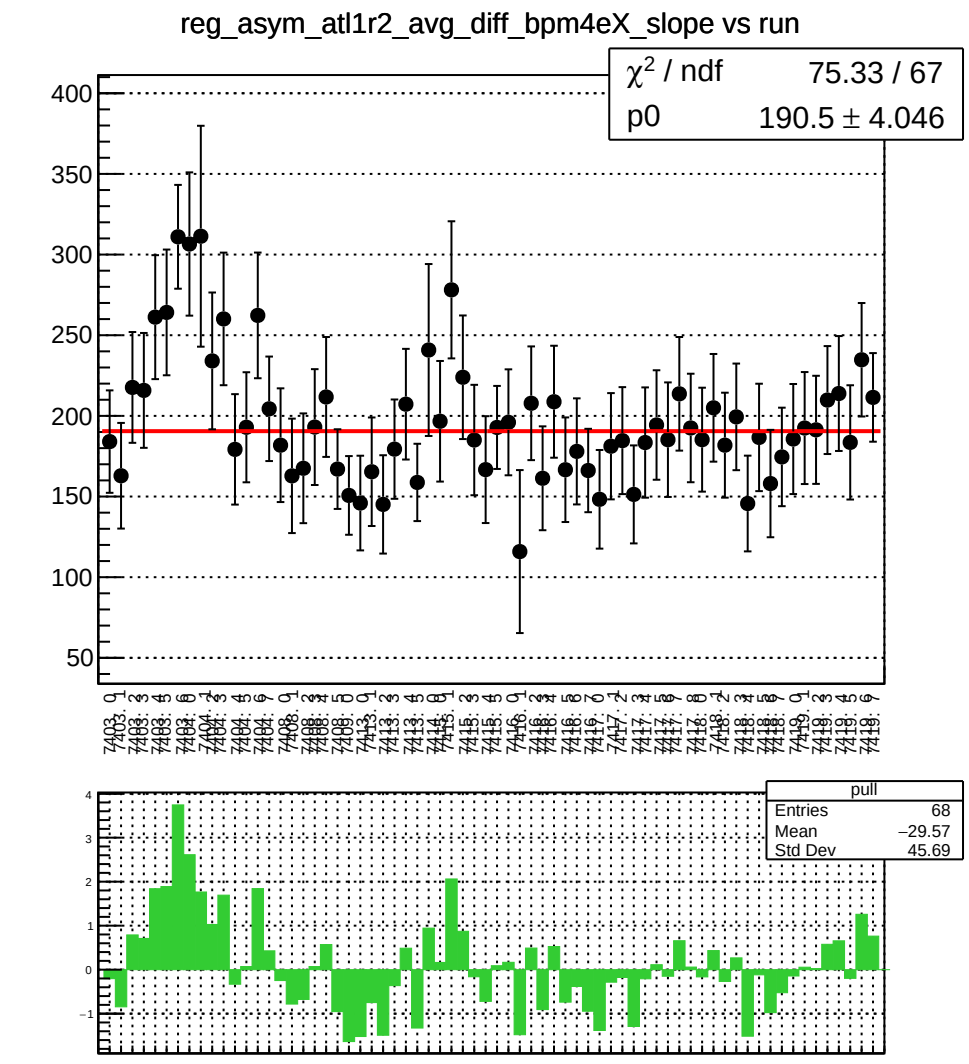

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.52 / 67
p0 30.15 ± 1.599
pull
Entries 68
Mean −44.84
Std Dev 106.4

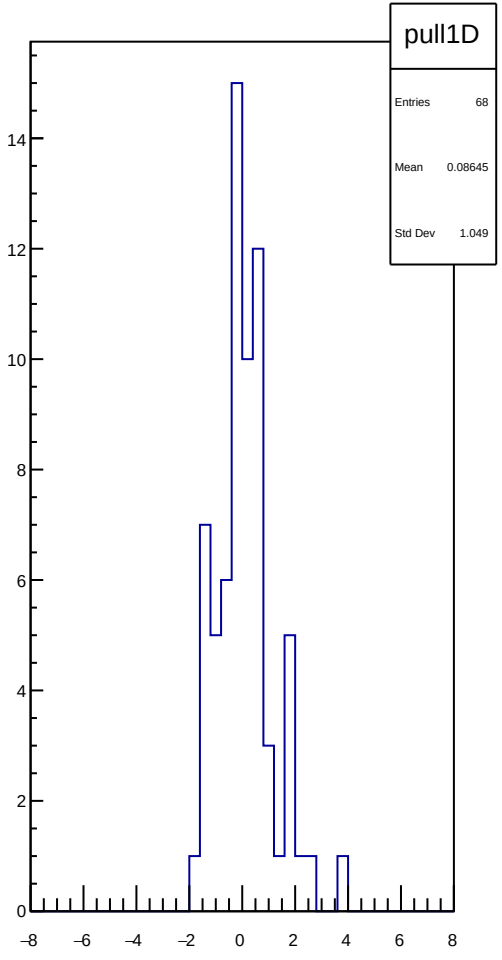

pull1D
Entries 68
Mean 0.01089
Std Dev 1.102

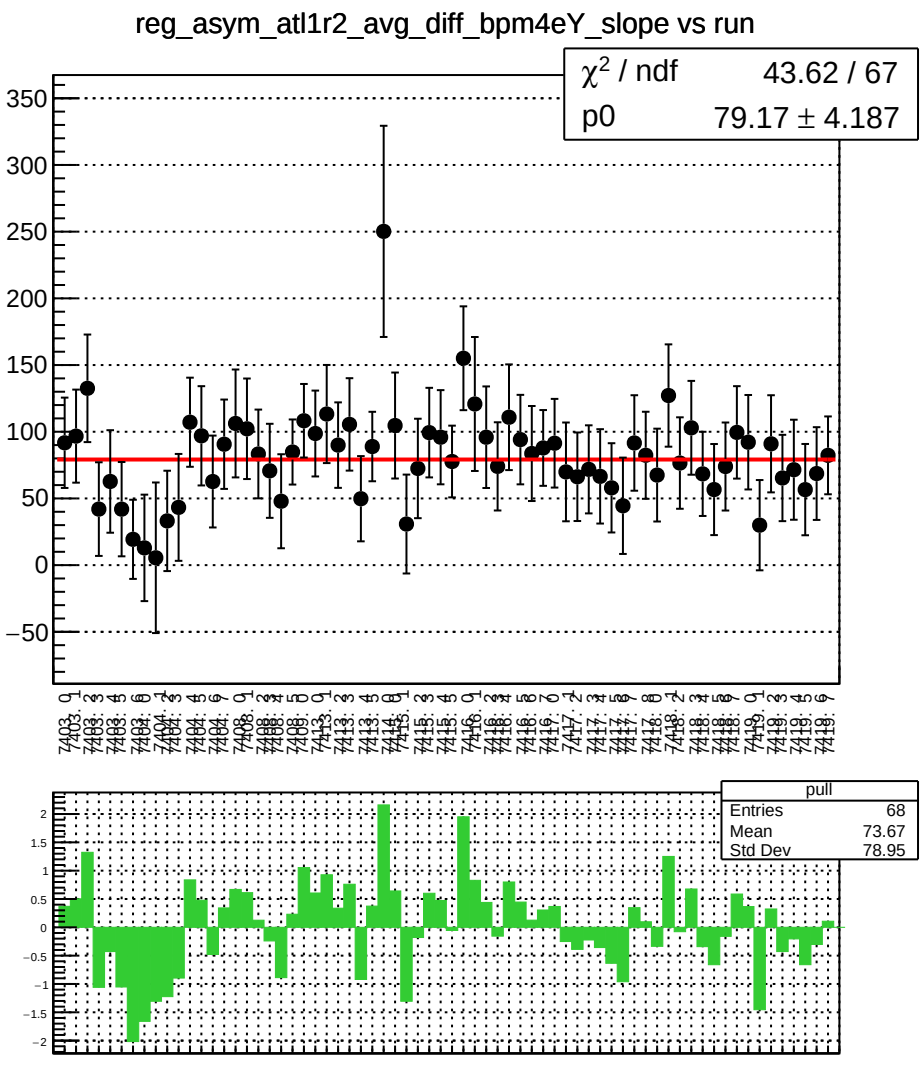

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 328.3 / 67
p0 −21.66 ± 0.07048
pull
Entries 68
Mean 988
Std Dev 953.7
pull1D
Entries 68
Mean −0.02838
Std Dev 2.197

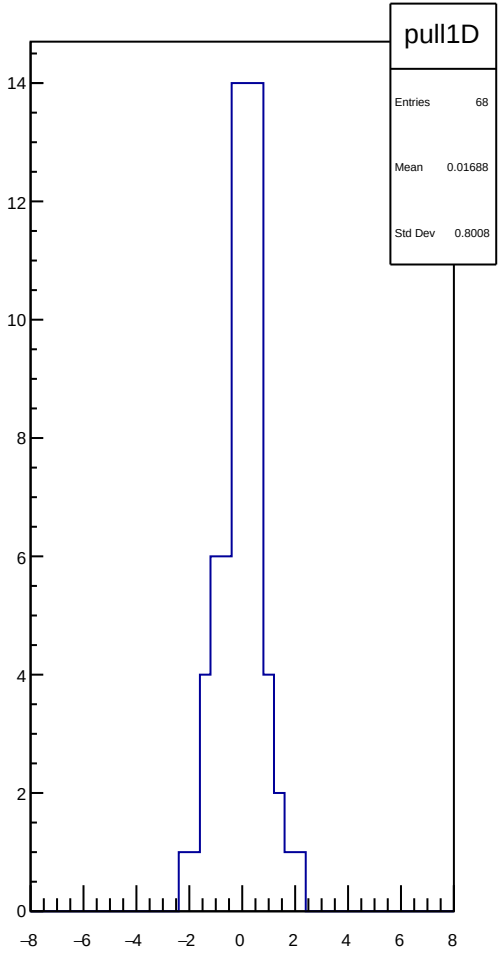

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 74.82 / 67
p0 −122.1± 3.893
pull
Entries 68
Mean −24.33
Std Dev 36.46
pull1D
Entries 68
Mean −0.08445
Std Dev 1.046

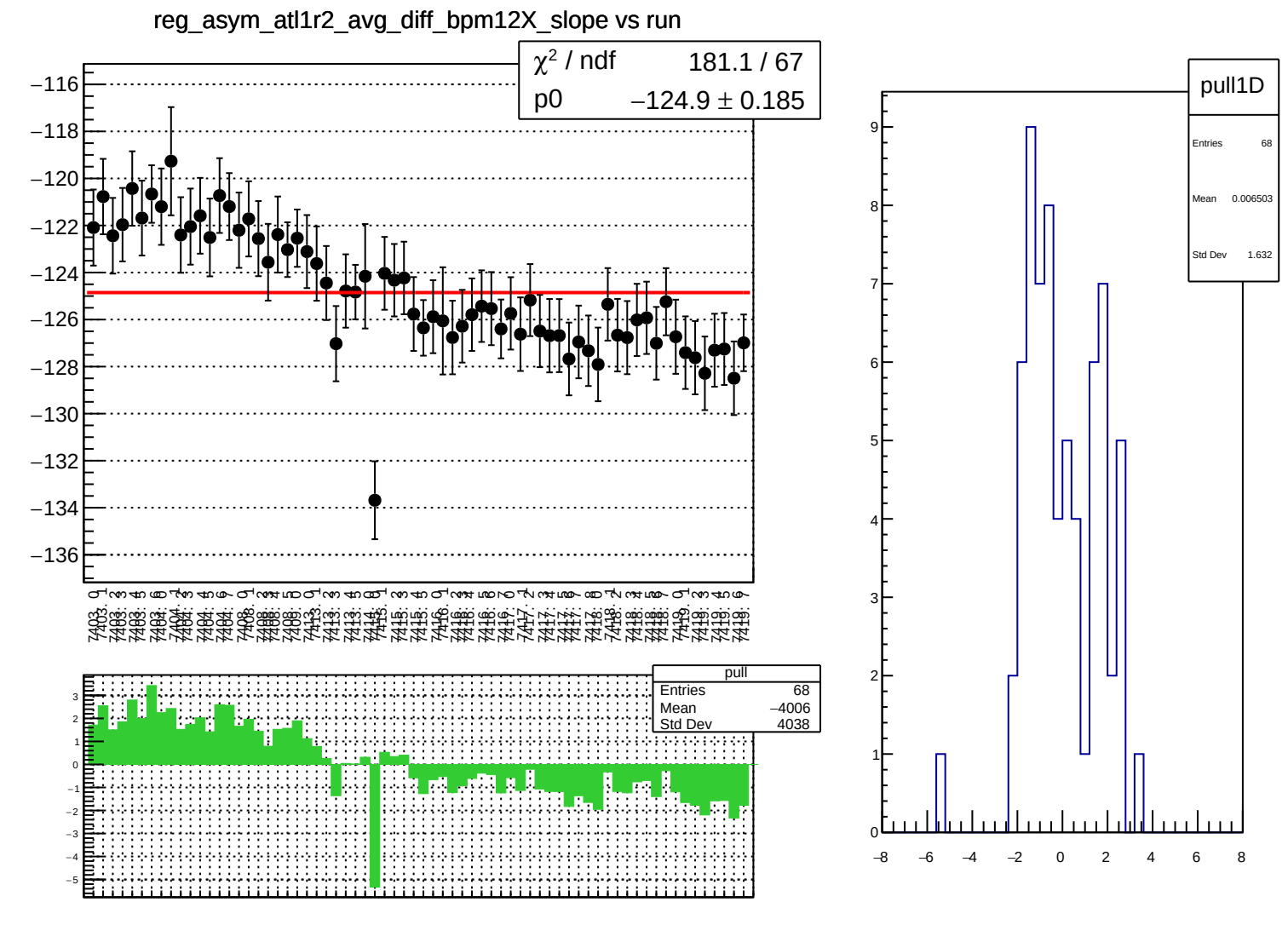

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.21 / 67
p0 −28.44 ± 3.958
pull
Entries 68
Mean 66.42
Std Dev 62.46
pull1D
Entries 68
Mean −0.0257
Std Dev 0.815

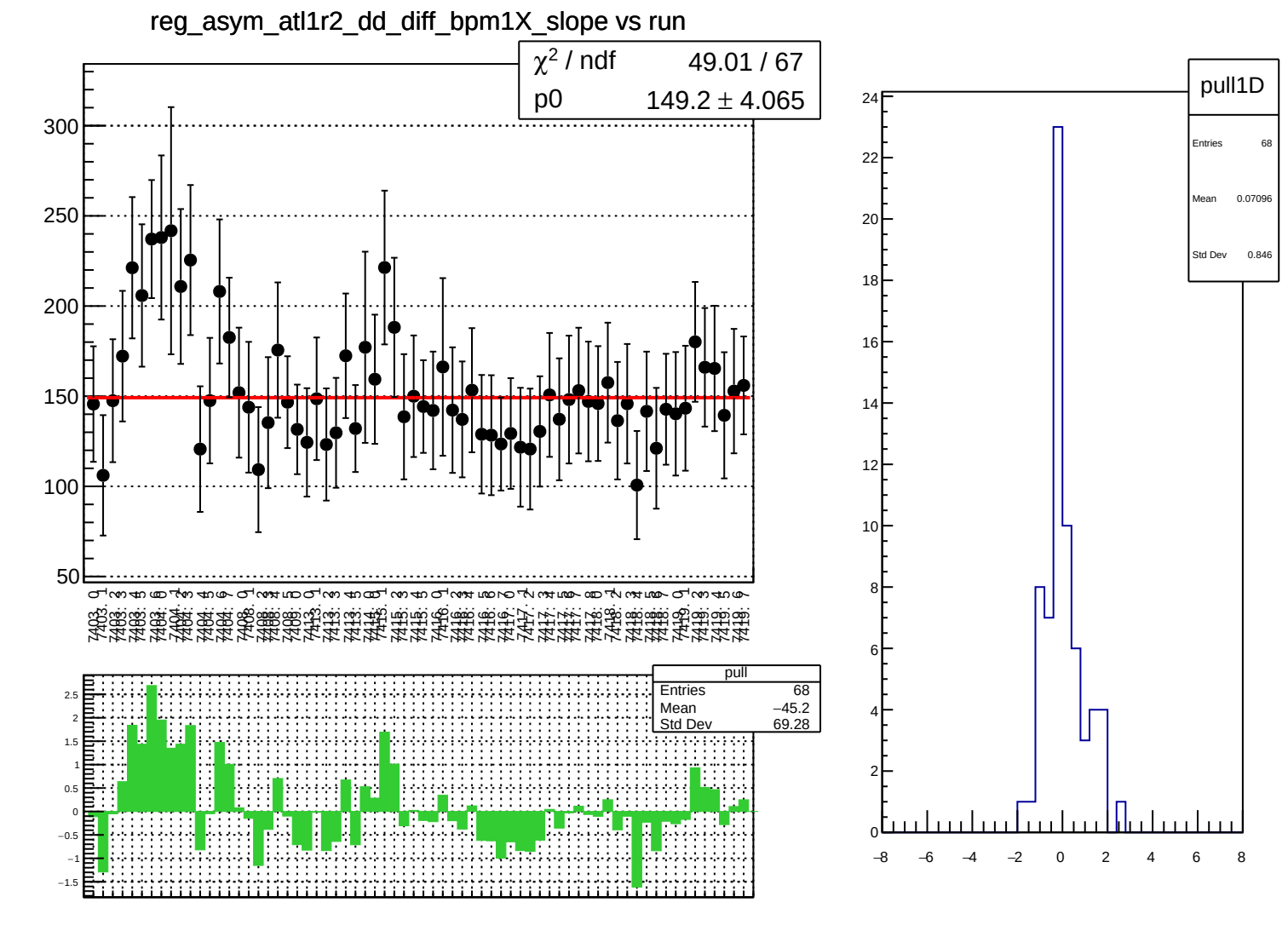

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.33 / 67
p0 190.5 ± 4.046
pull
Entries 68
Mean −29.57
Std Dev 45.69

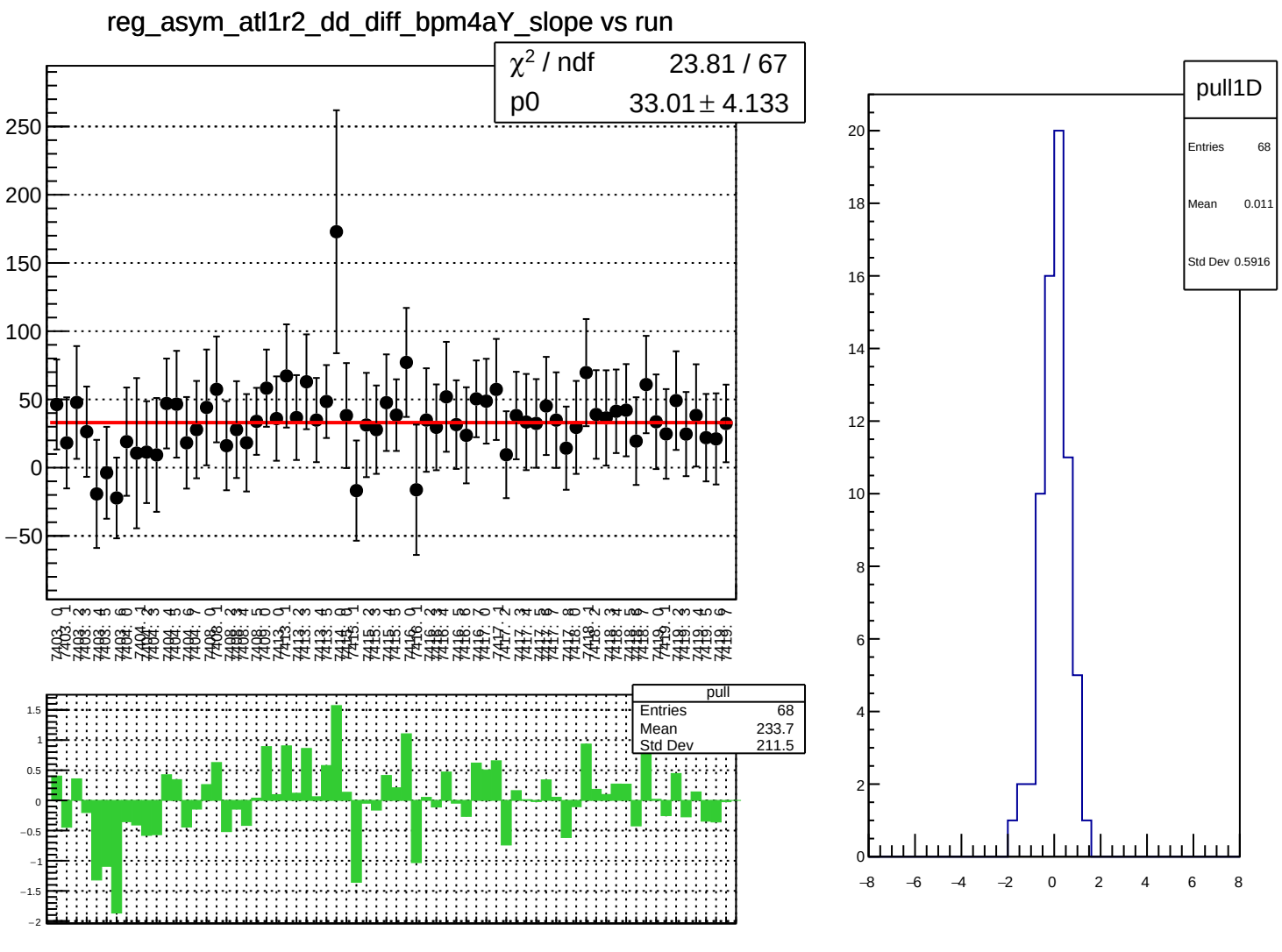

pull1D
Entries 68
Mean 0.08645
Std Dev 1.049

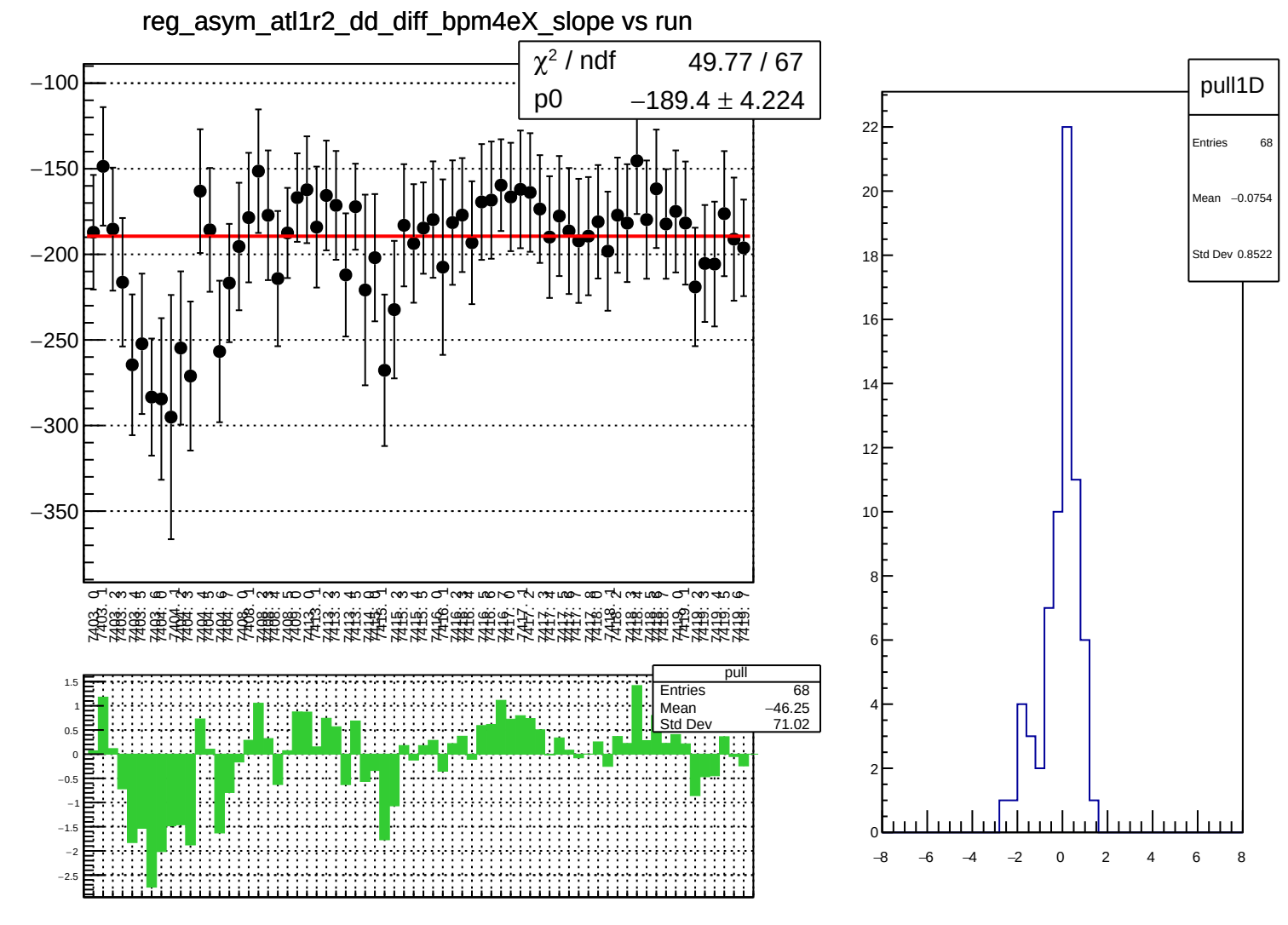

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.62 / 67
p0 79.17 ± 4.187
pull
Entries 68
Mean 73.67
Std Dev 78.95

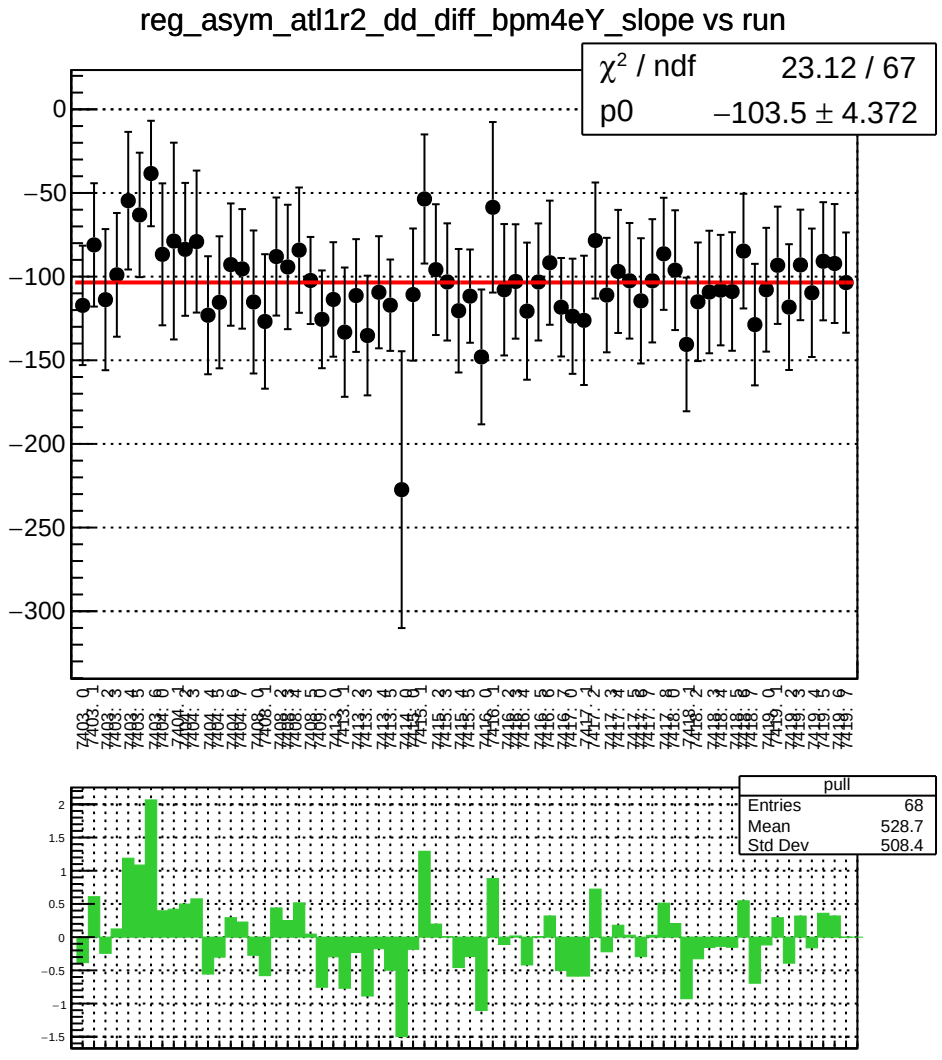

pull1D
Entries 68
Mean 0.01688
Std Dev 0.8008

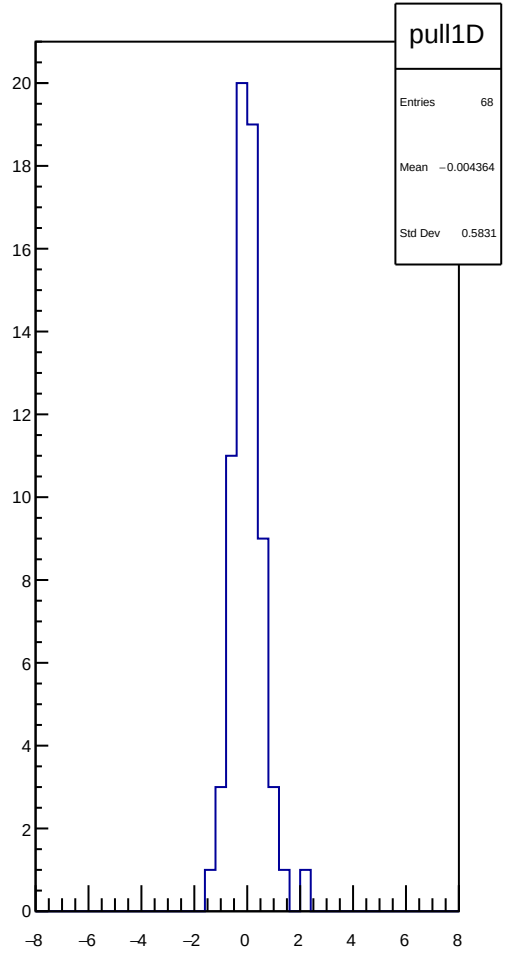

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 181.1 / 67
p0 −124.9 ± 0.185
pull
Entries 68
Mean −4006
Std Dev 4038
pull1D
Entries 68
Mean 0.006503
Std Dev 1.632

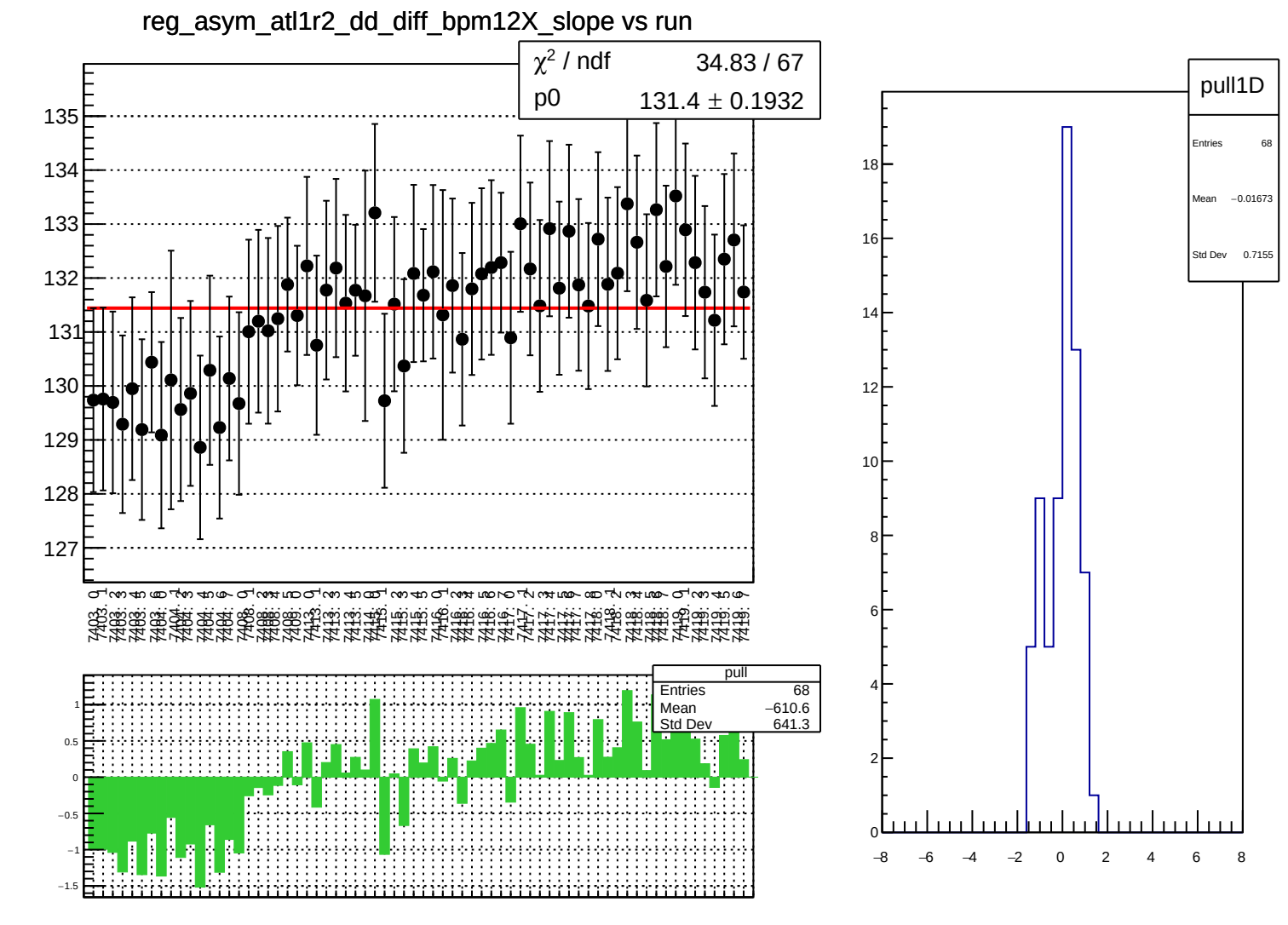

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 49.01 / 67
p0 149.2 ± 4.065
pull
Entries 68
Mean −45.2
Std Dev 69.28
pull1D
Entries 68
Mean 0.07096
Std Dev 0.846

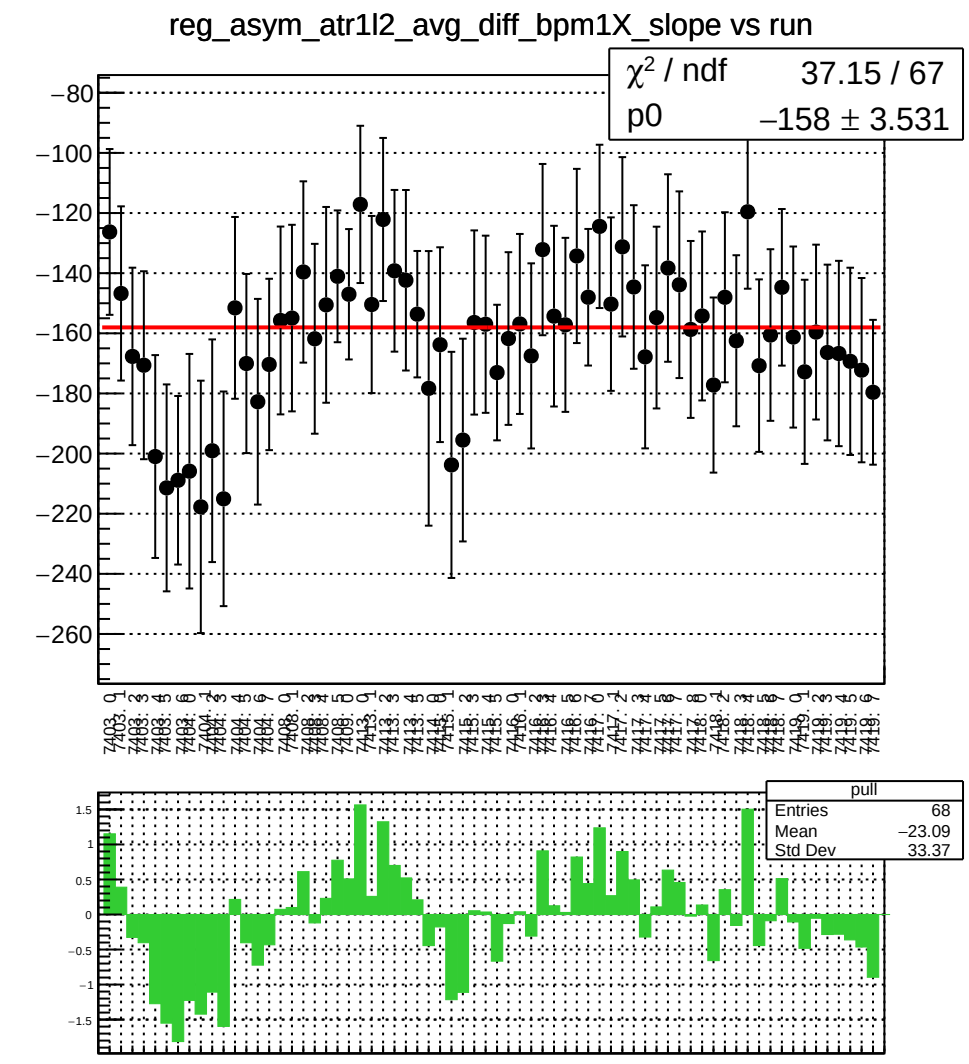

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.81 / 67
p0 33.01 ± 4.133
pull
Entries 68
Mean 233.7
Std Dev 211.5
pull1D
Entries 68
Mean 0.011
Std Dev 0.5916

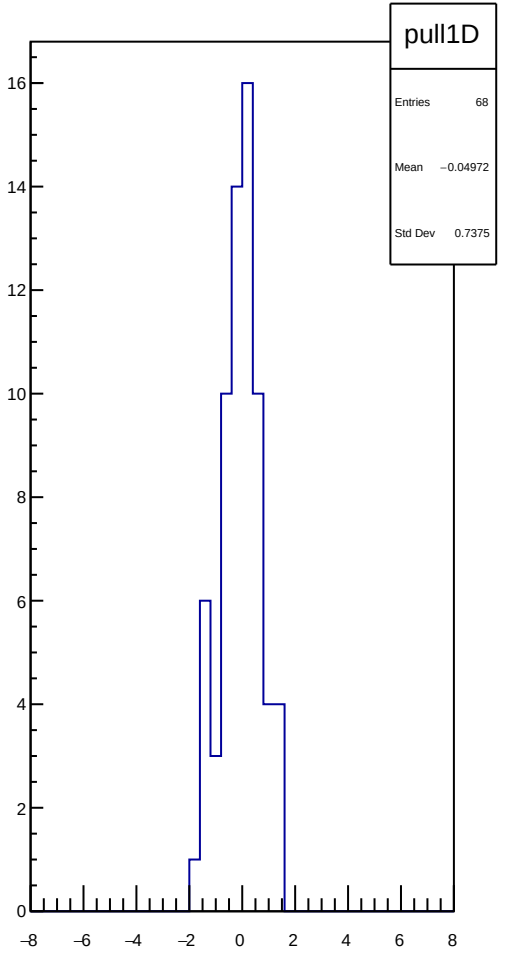

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.77 / 67
p0 −189.4 ± 4.224
pull
Entries 68
Mean −46.25
Std Dev 71.02
pull1D
Entries 68
Mean −0.0754
Std Dev 0.8522

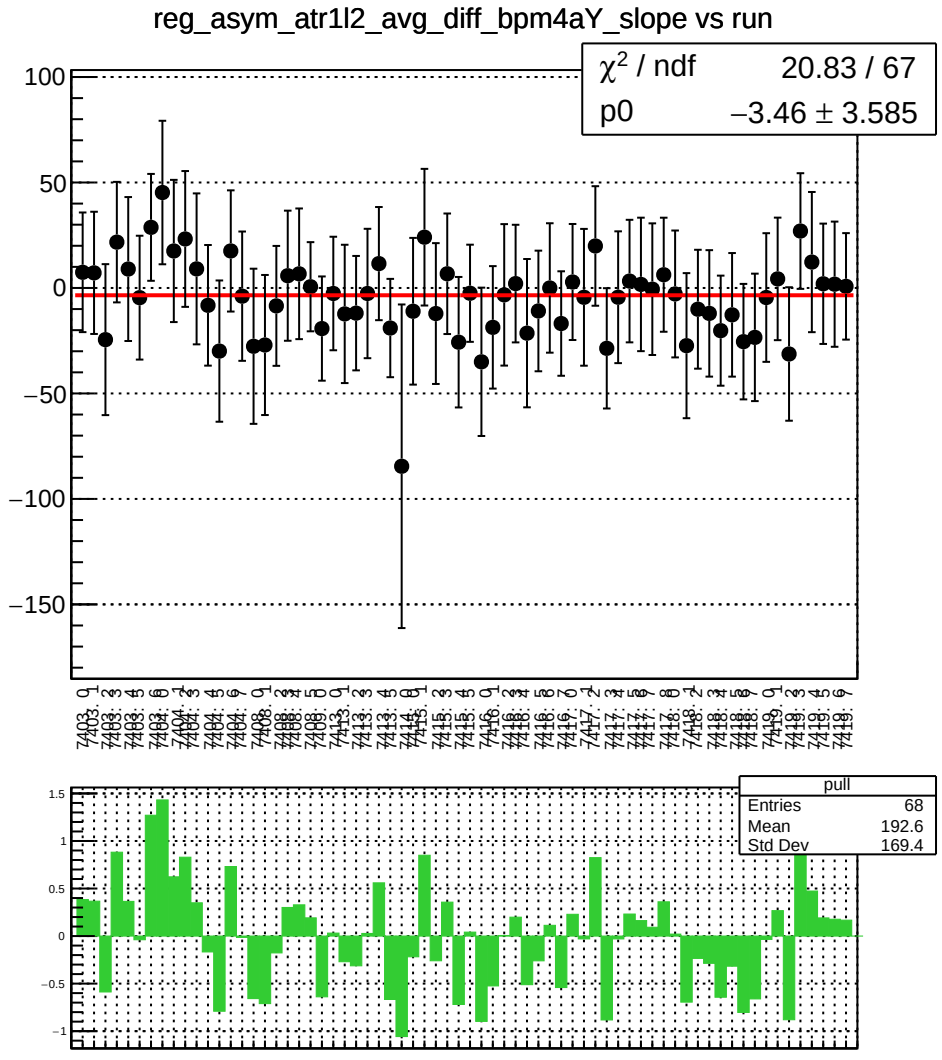

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.12 / 67
p0 −103.5 ± 4.372
pull
Entries 68
Mean 528.7
Std Dev 508.4

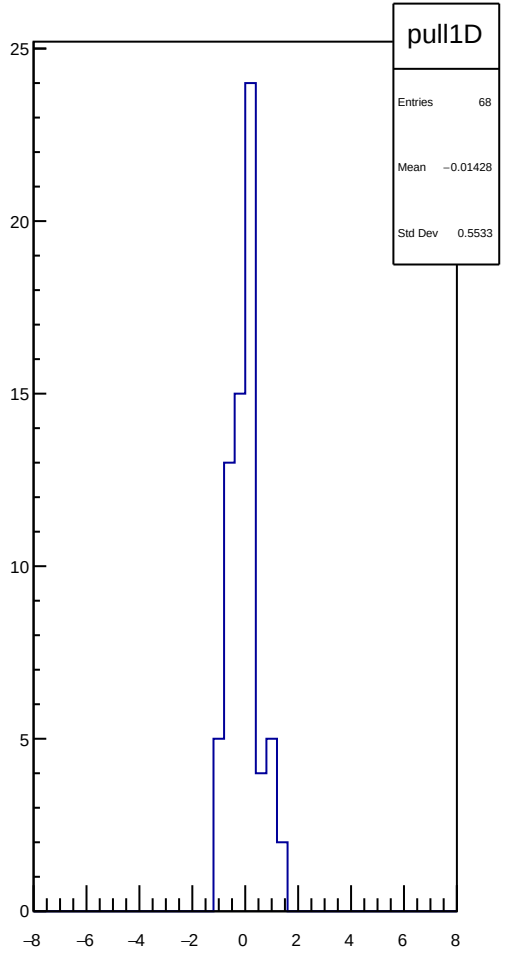

pull1D
Entries 68
Mean −0.004364
Std Dev 0.5831

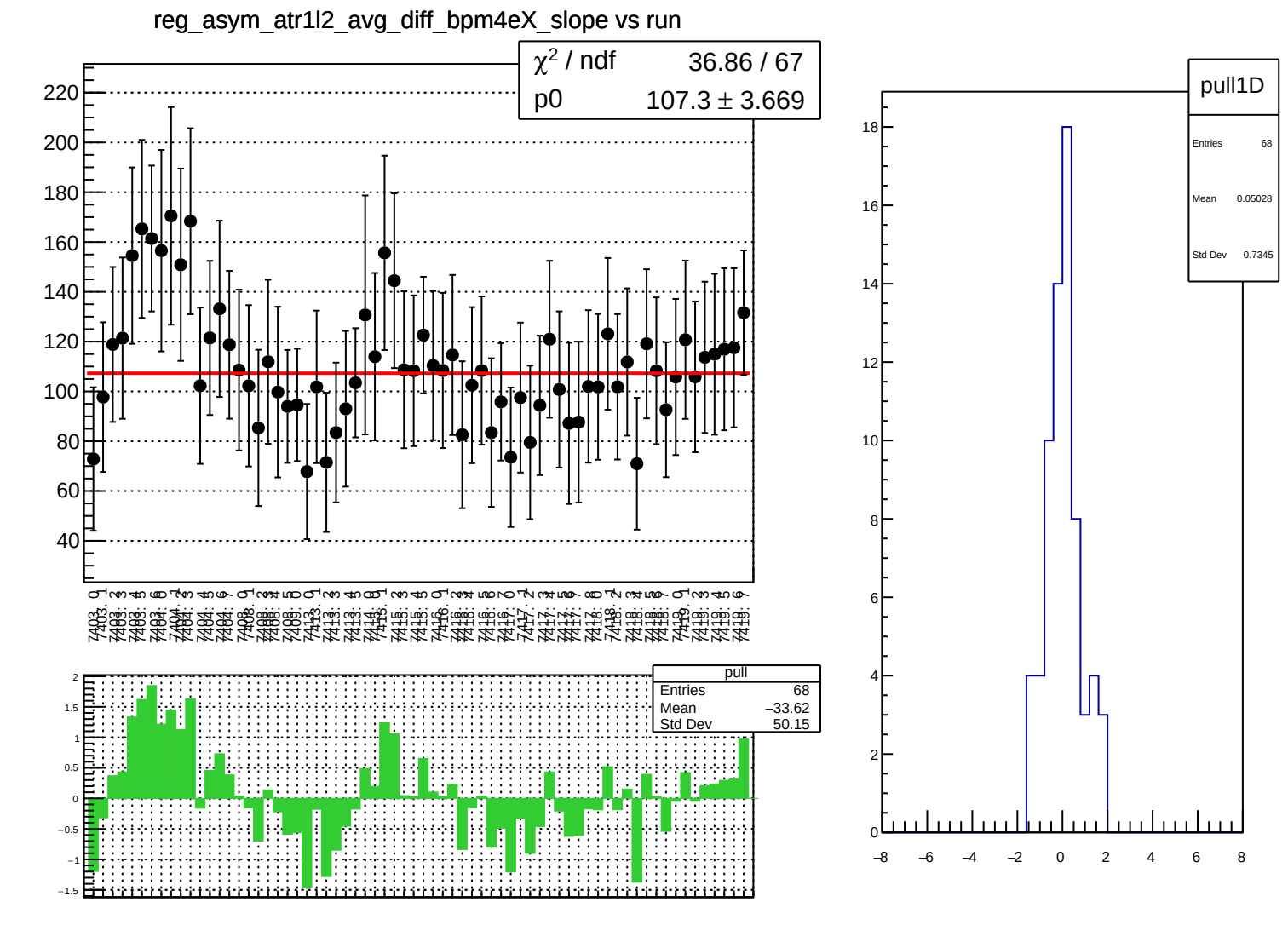

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 34.83 / 67
p0 131.4 ± 0.1932
pull
Entries 68
Mean −610.6
Std Dev 641.3
pull1D
Entries 68
Mean −0.01673
Std Dev 0.7155

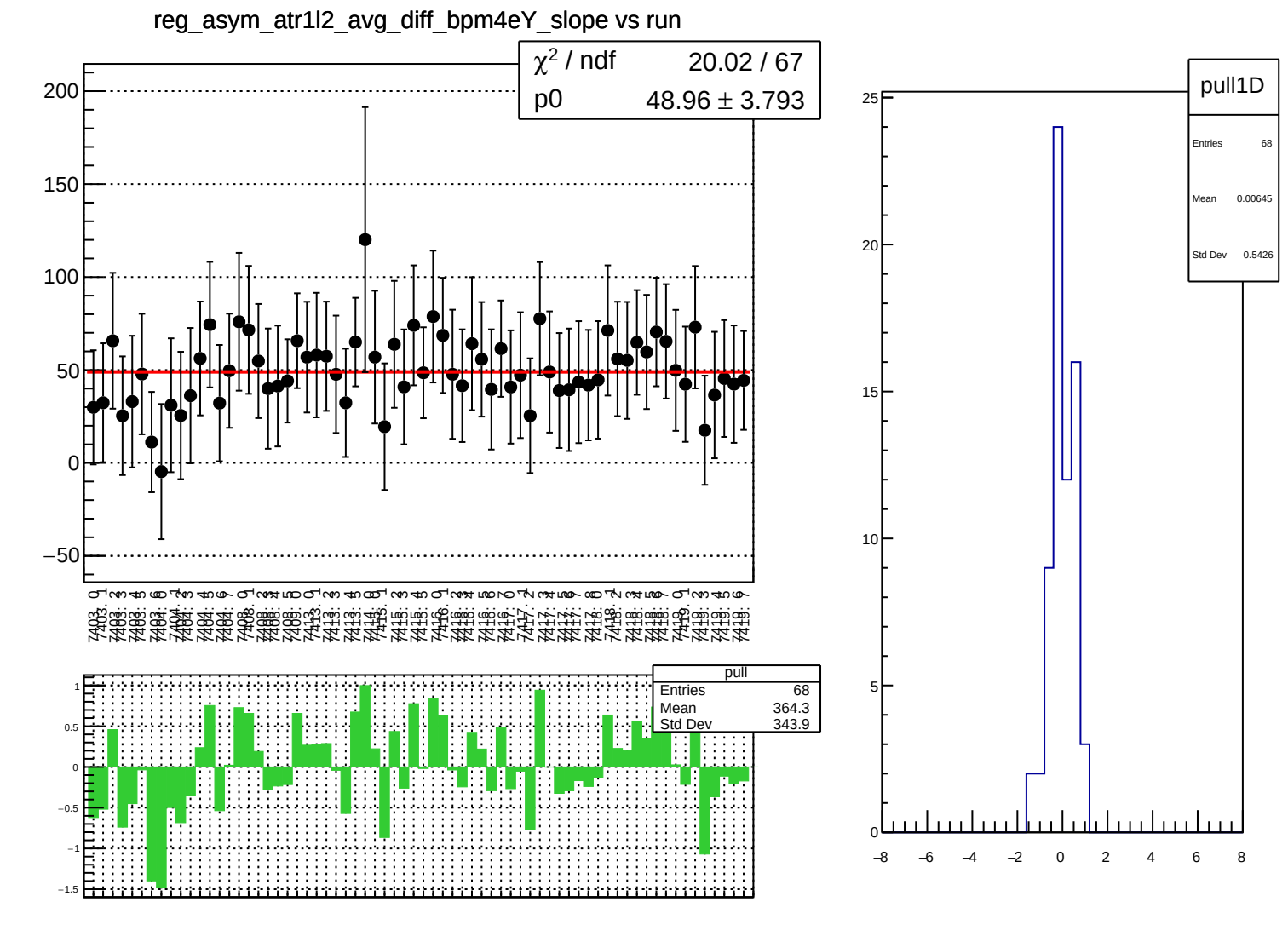

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 37.15 / 67
p0 −158 ± 3.531
pull
Entries 68
Mean −23.09
Std Dev 33.37

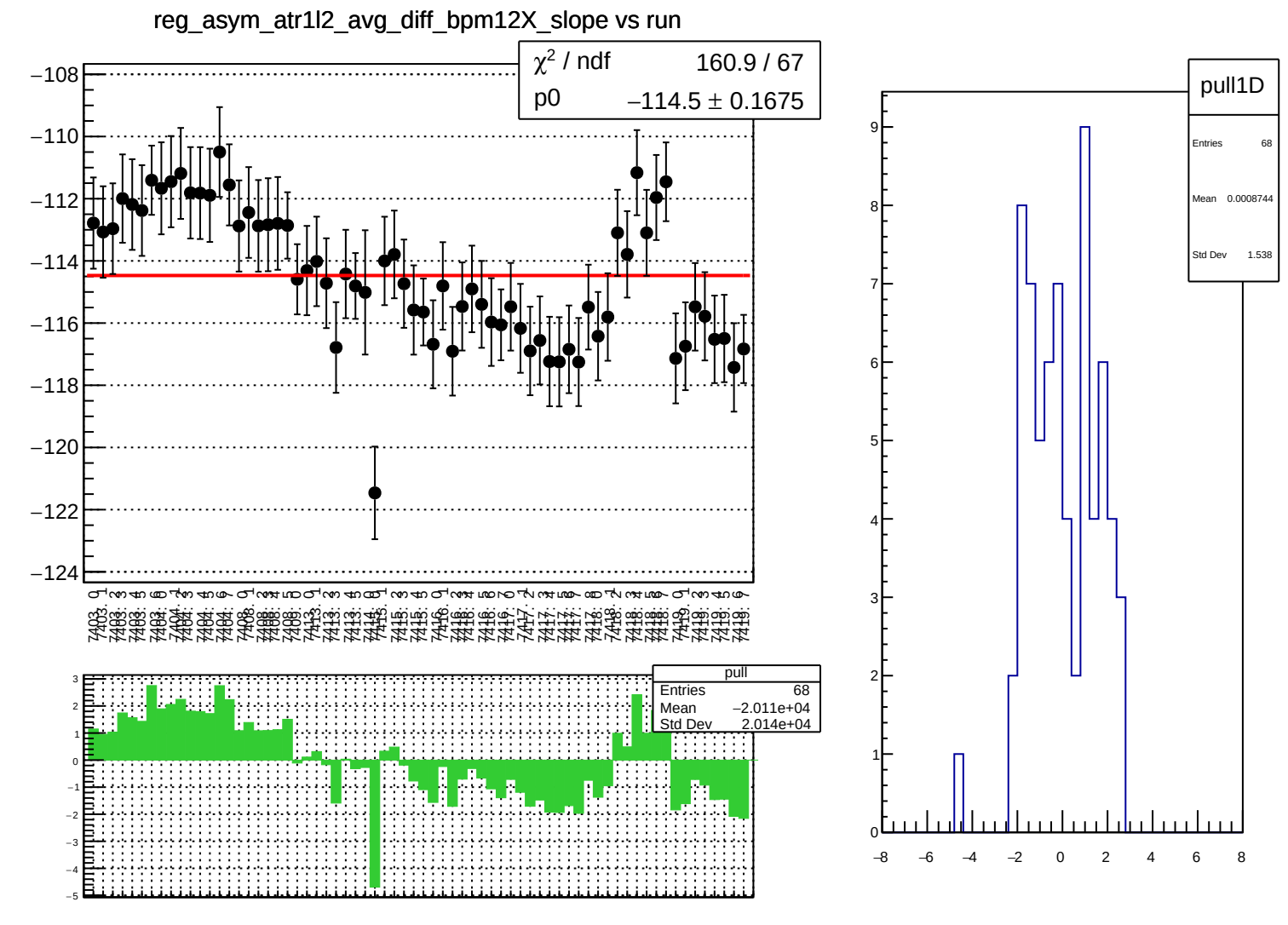

pull1D
Entries 68
Mean −0.04972
Std Dev 0.7375

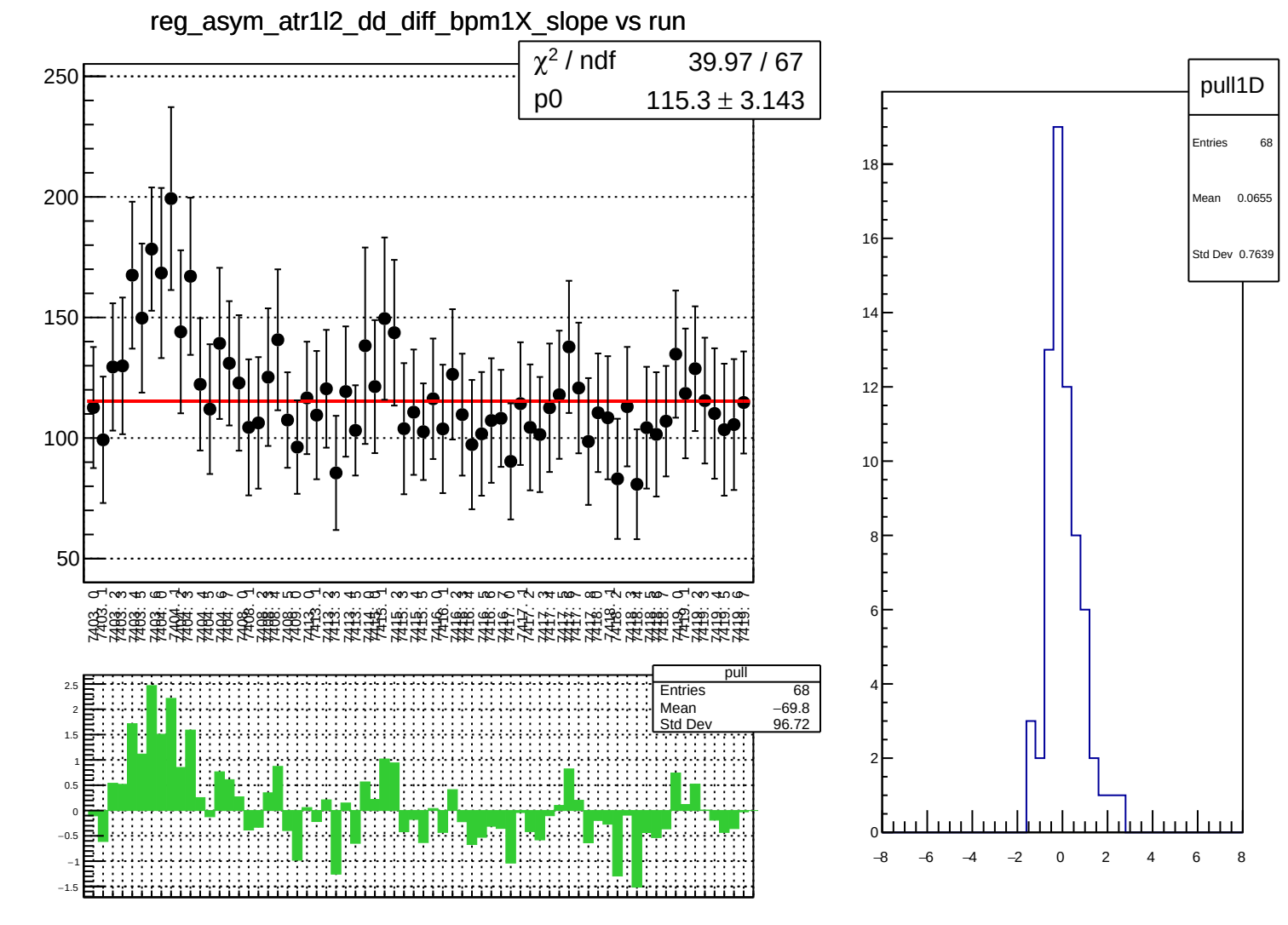

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.83 / 67
p0 −3.46 ± 3.585
pull
Entries 68
Mean 192.6
Std Dev 169.4

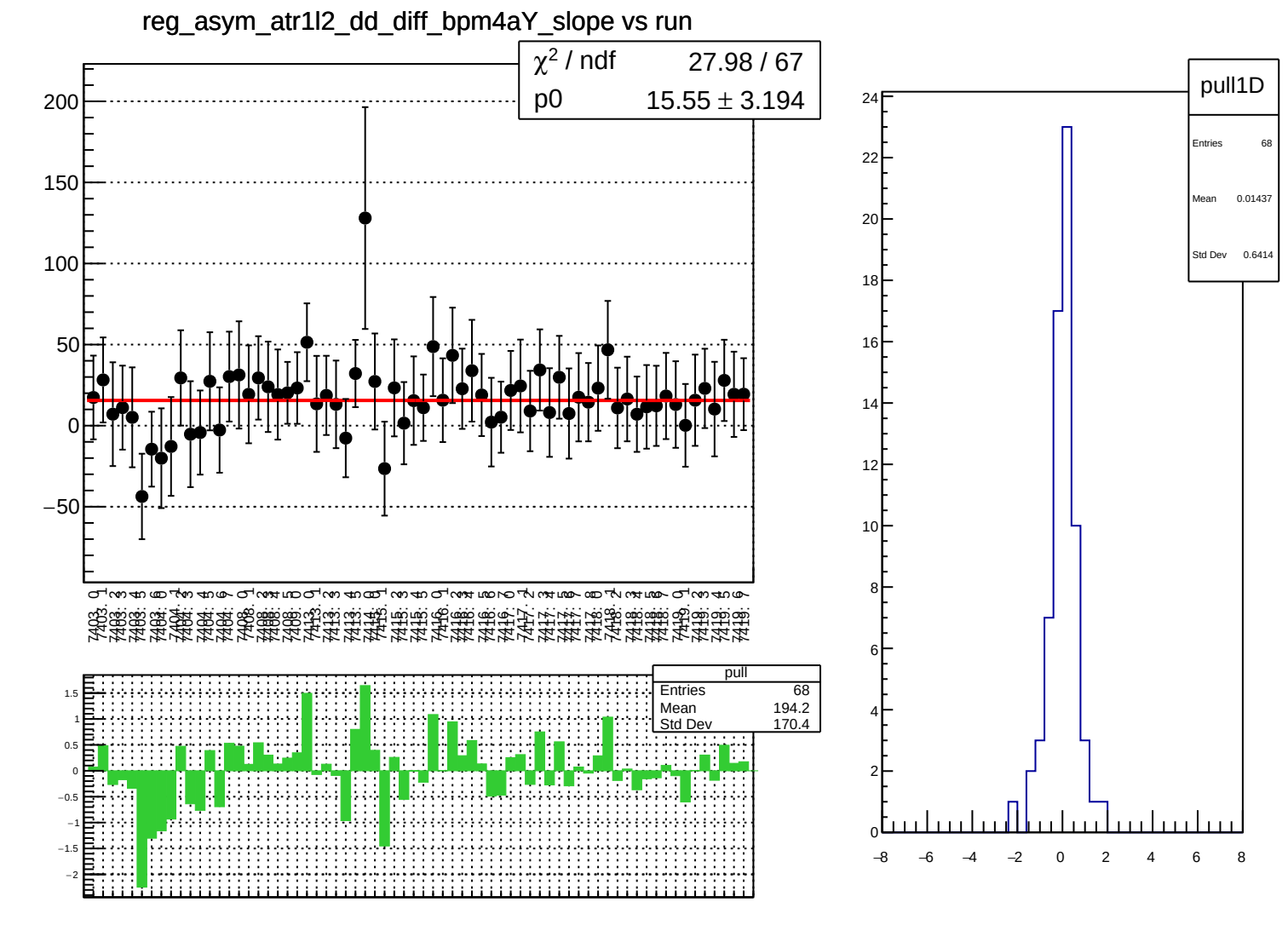

pull1D
Entries 68
Mean −0.01428
Std Dev 0.5533

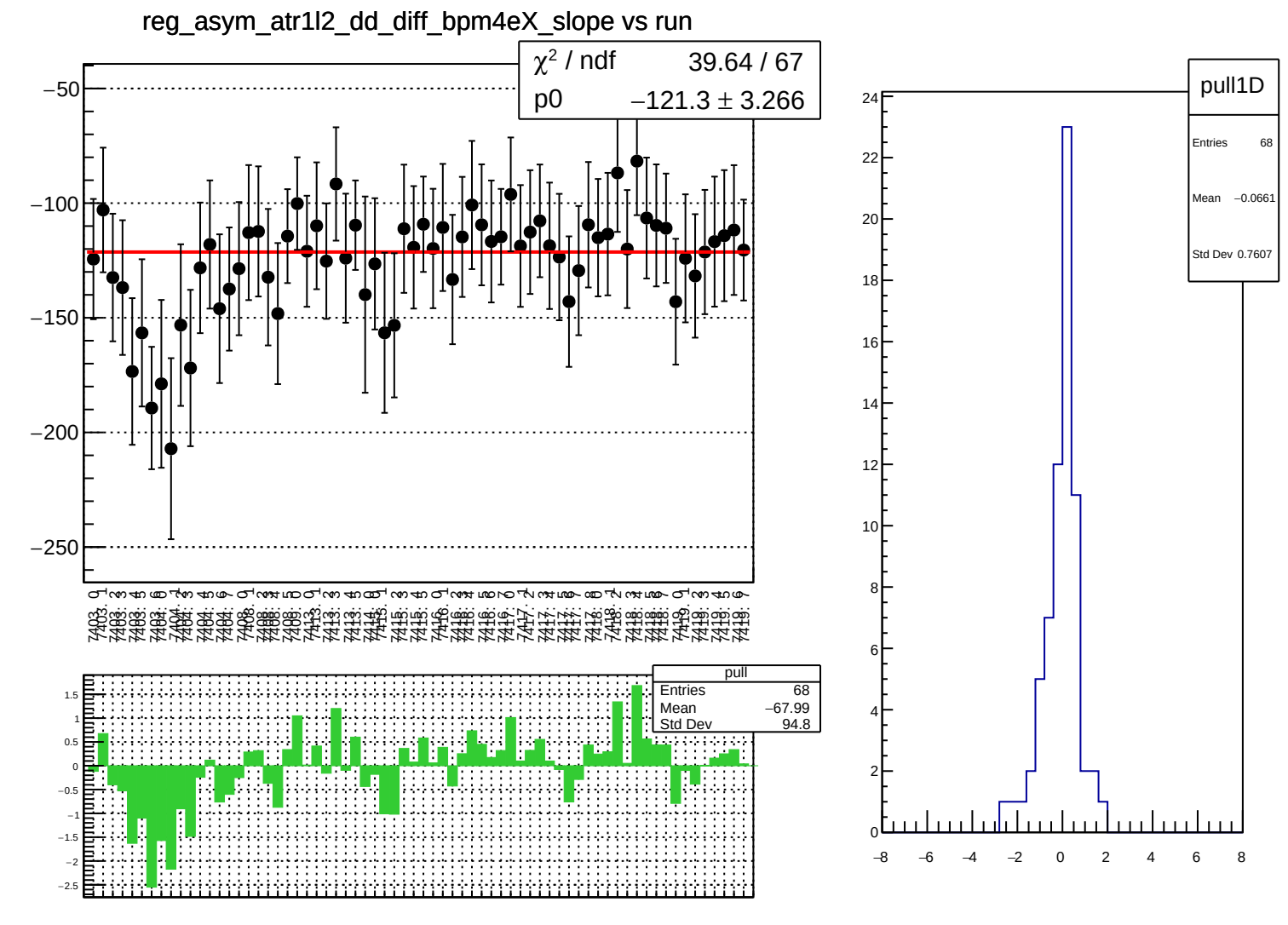

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.86 / 67
p0 107.3 ± 3.669
pull
Entries 68
Mean −33.62
Std Dev 50.15
pull1D
Entries 68
Mean 0.05028
Std Dev 0.7345

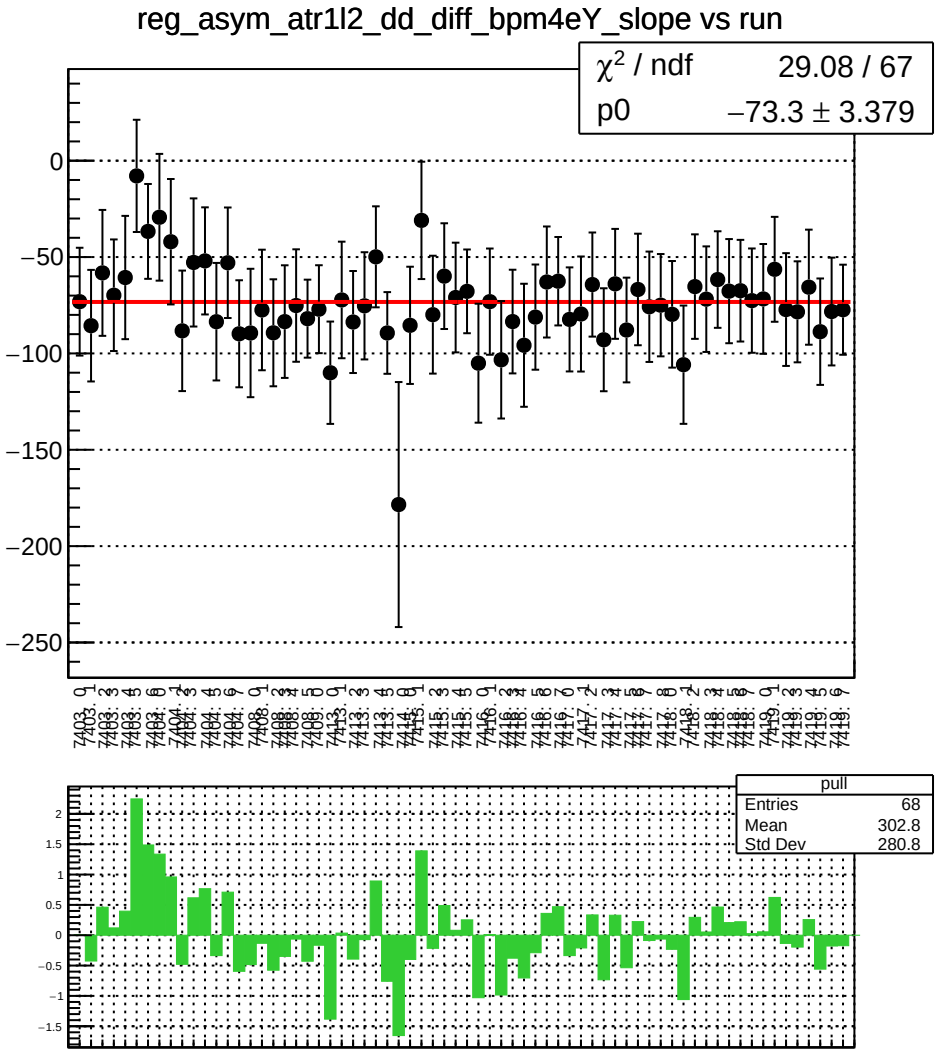

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.02 / 67
p0 48.96 ± 3.793
pull
Entries 68
Mean 364.3
Std Dev 343.9
pull1D
Entries 68
Mean 0.00645
Std Dev 0.5426

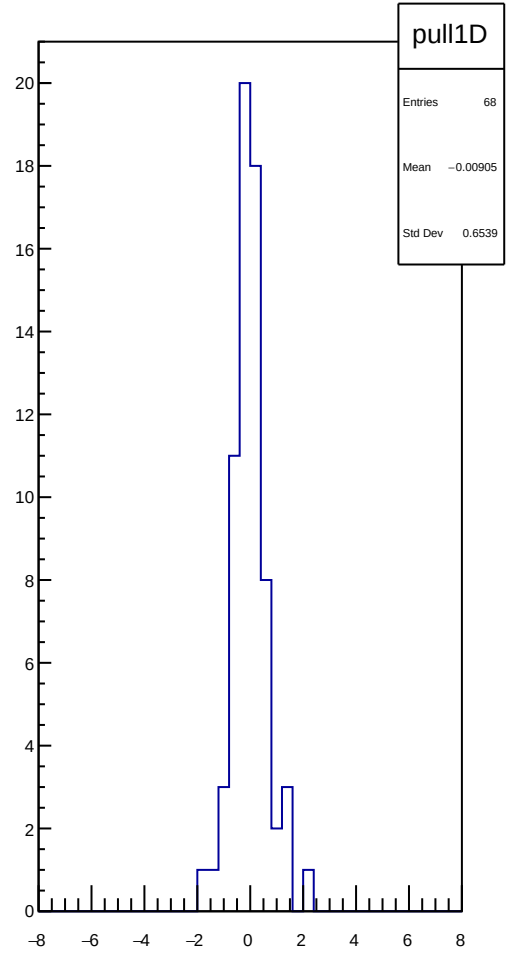

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 160.9 / 67
p0 −114.5 ± 0.1675
pull
Entries 68
Mean −2.011e+04
Std Dev 2.014e+04
pull1D
Entries 68
Mean 0.0008744
Std Dev 1.538

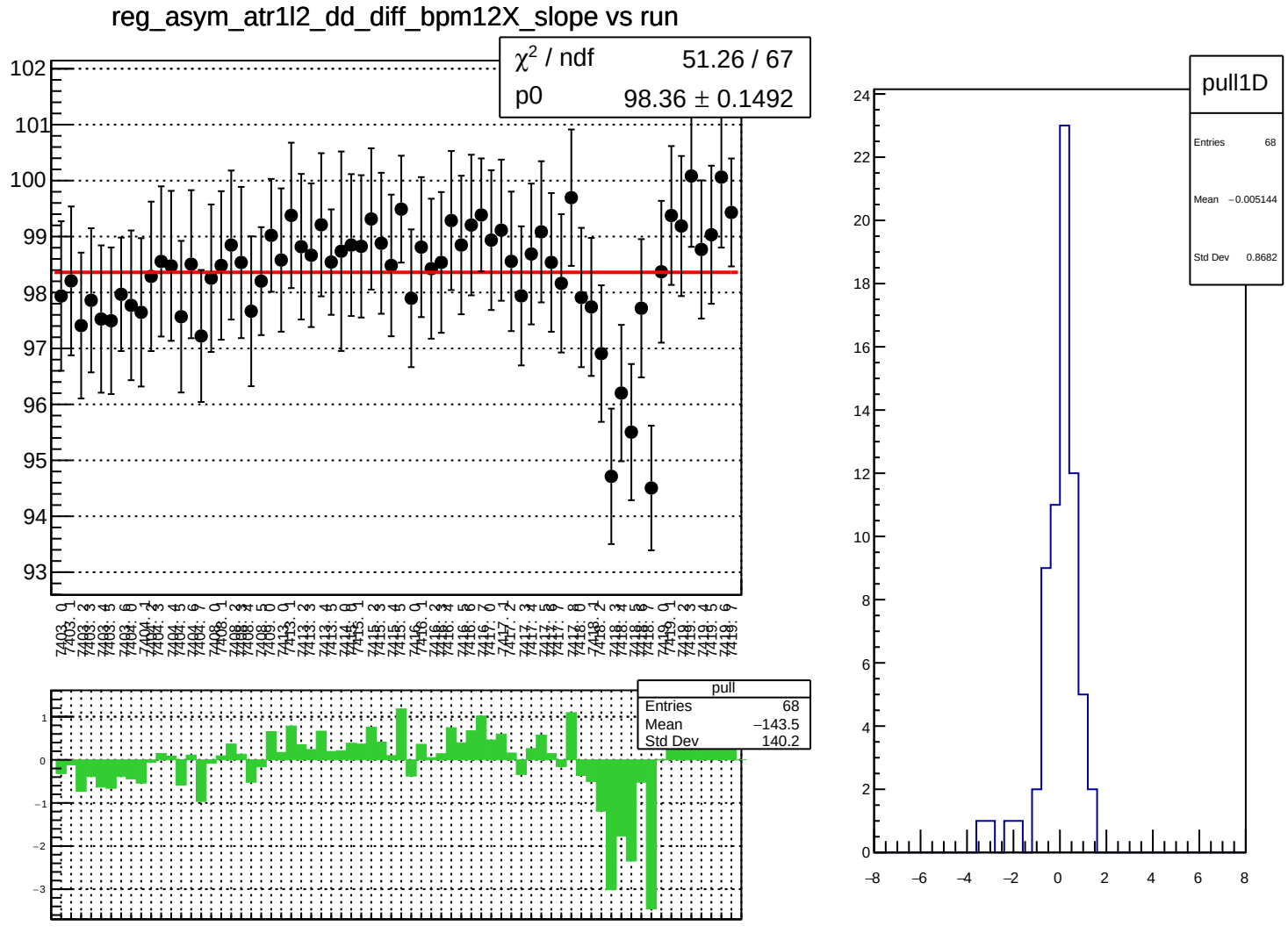

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 39.97 / 67
p0 115.3 ± 3.143
pull
Entries 68
Mean −69.8
Std Dev 96.72
pull1D
Entries 68
Mean 0.0655
Std Dev 0.7639

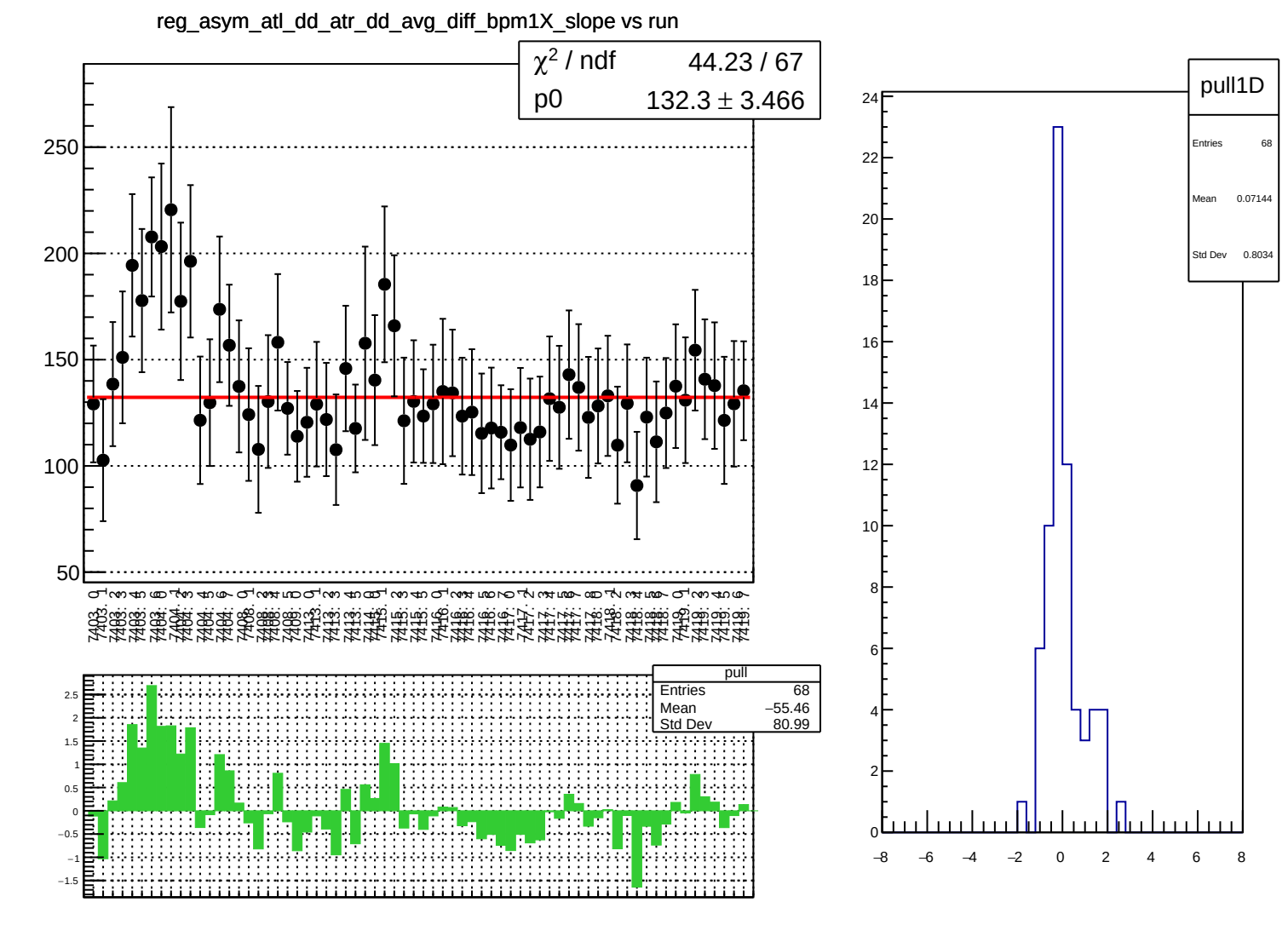

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.98 / 67
p0 15.55 ± 3.194
pull
Entries 68
Mean 194.2
Std Dev 170.4
pull1D
Entries 68
Mean 0.01437
Std Dev 0.6414

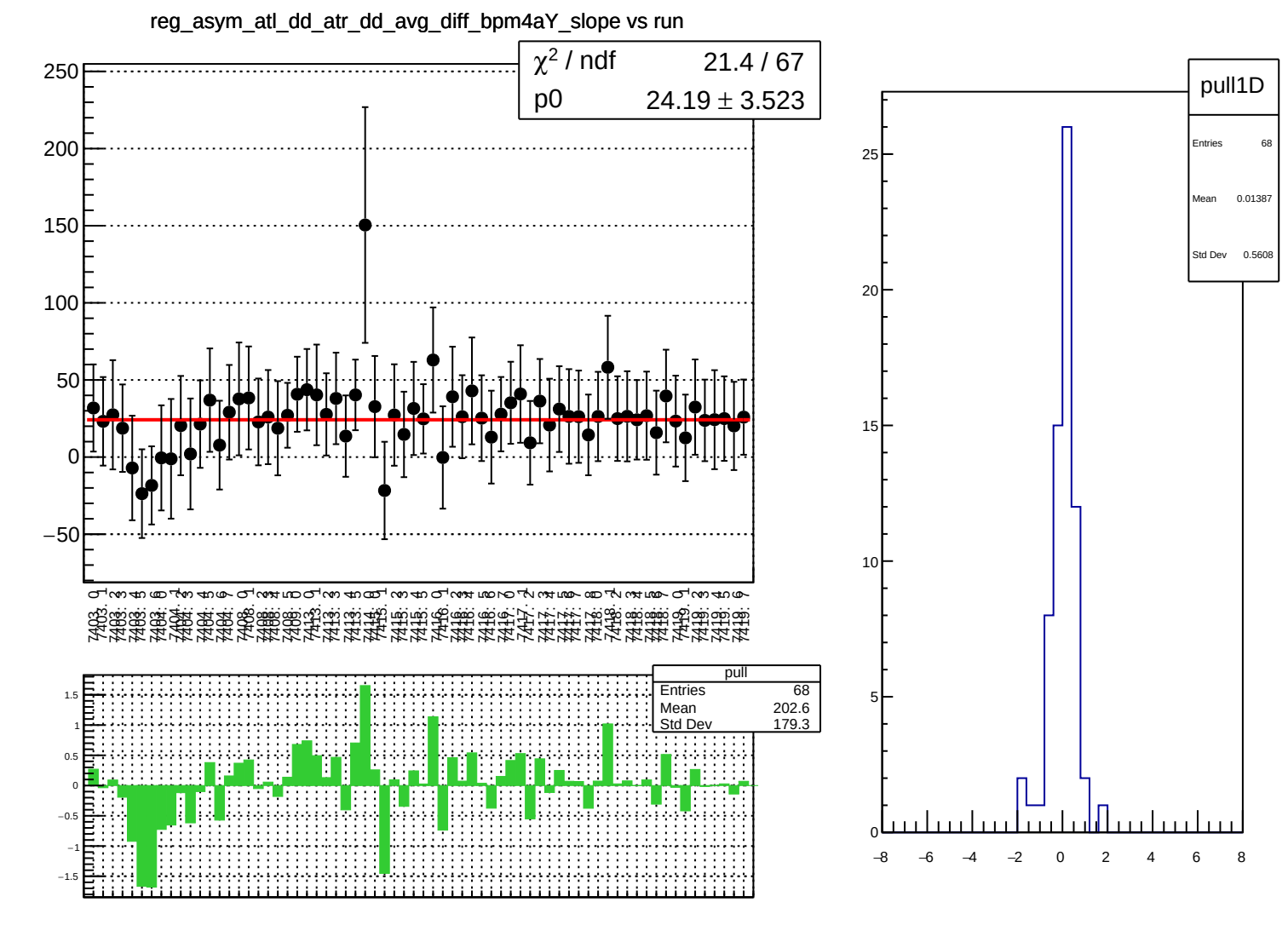

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.64 / 67
p0 −121.3 ± 3.266
pull
Entries 68
Mean −67.99
Std Dev 94.8
pull1D
Entries 68
Mean −0.0661
Std Dev 0.7607

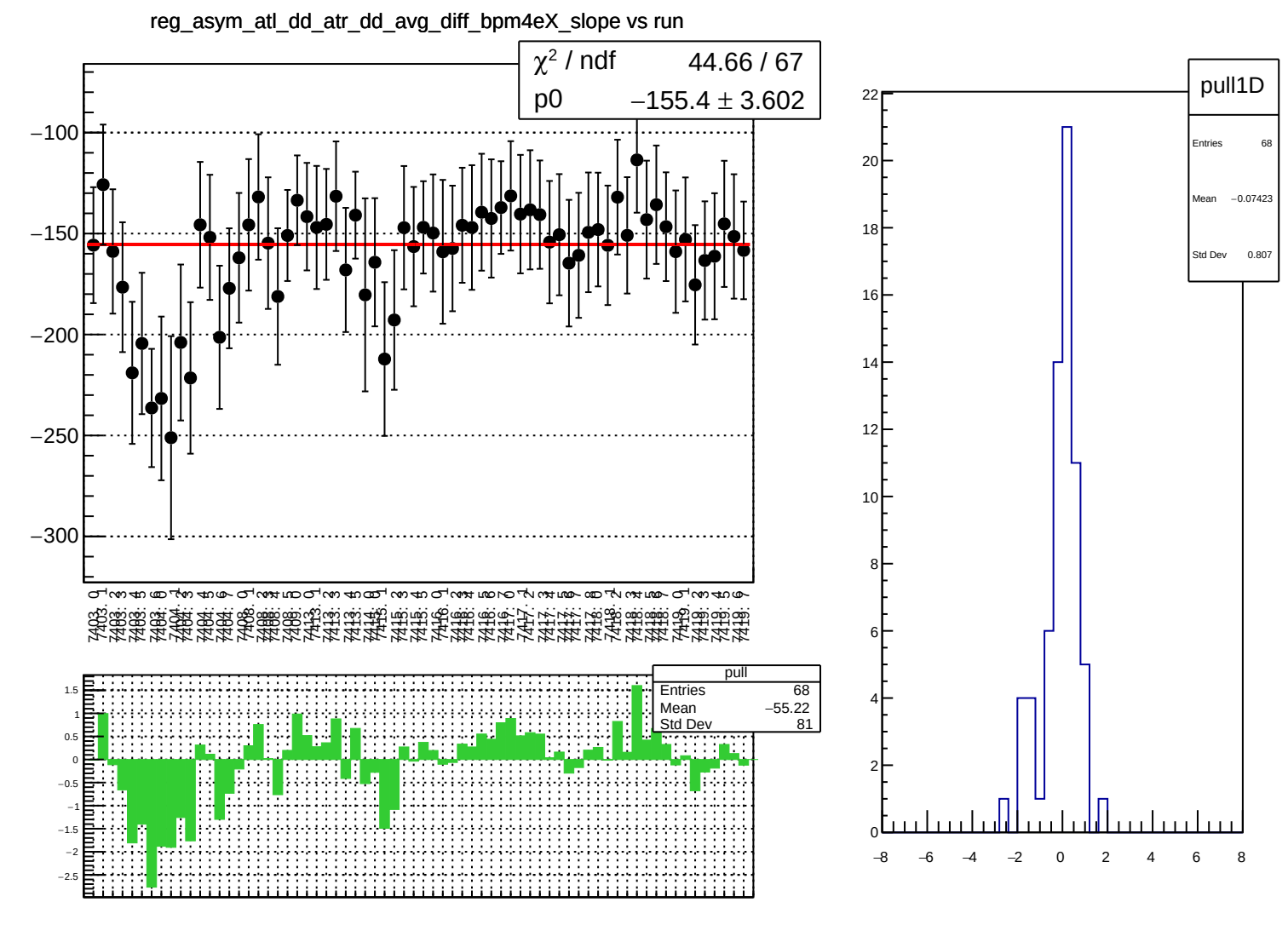

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.08 / 67
p0 −73.3 ± 3.379
pull
Entries 68
Mean 302.8
Std Dev 280.8

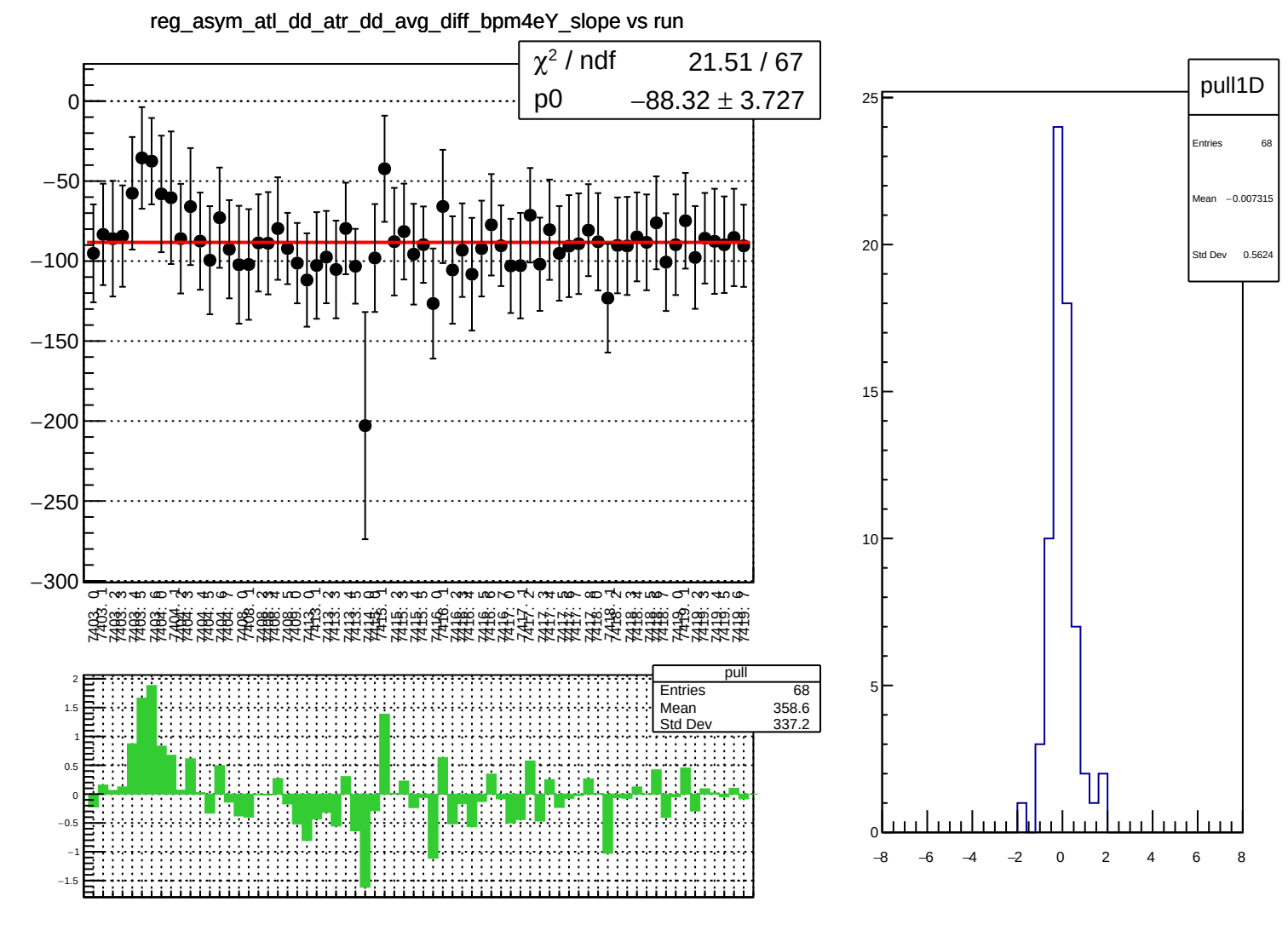

pull1D
Entries 68
Mean −0.00905
Std Dev 0.6539

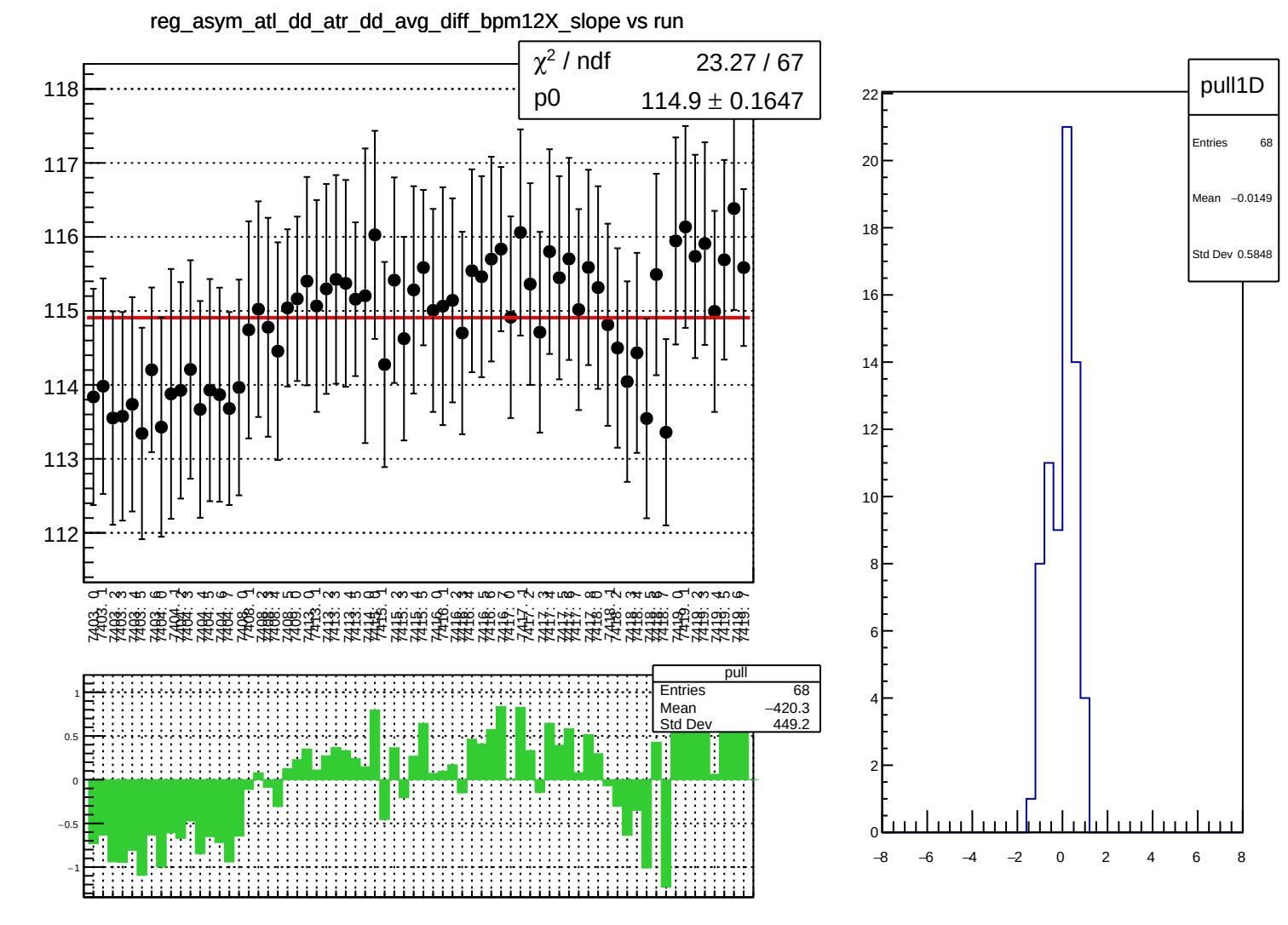

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 51.26 / 67
p0 98.36 ± 0.1492
pull
Entries 68
Mean −143.5
Std Dev 140.2
pull1D
Entries 68
Mean −0.005144
Std Dev 0.8682

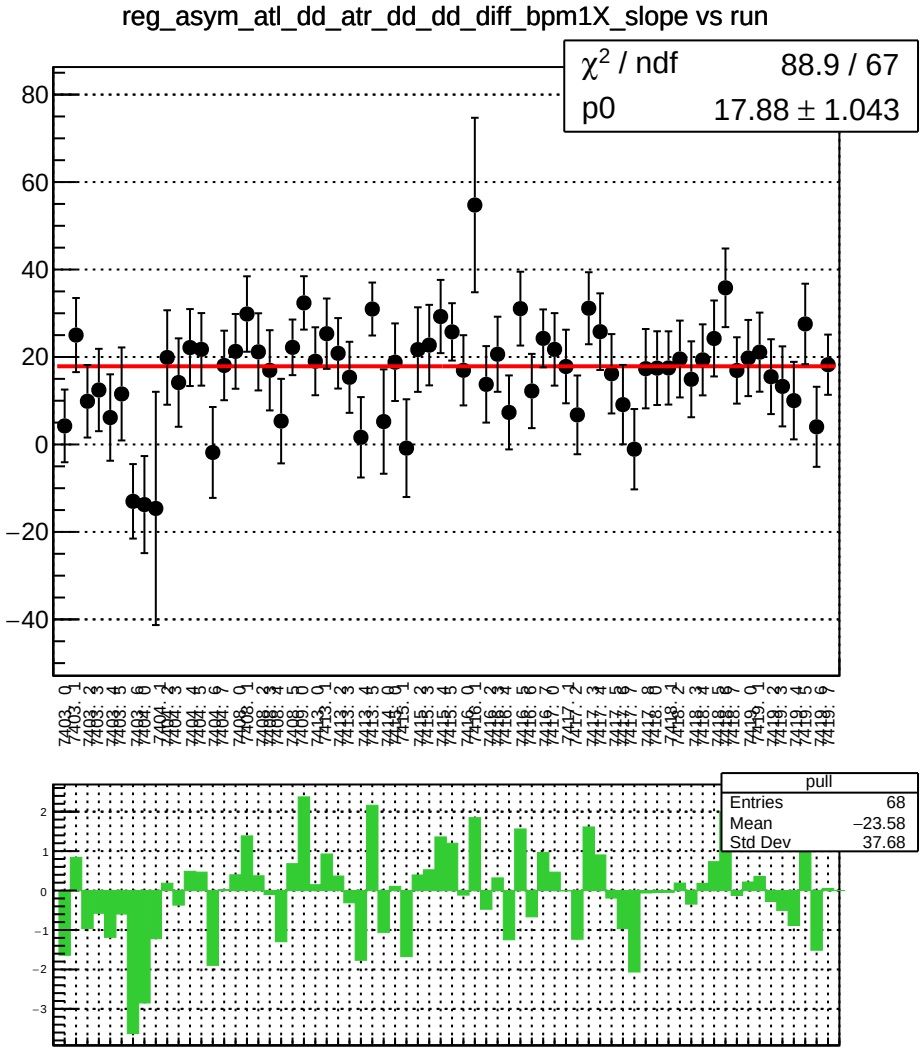

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 44.23 / 67
p0 132.3 ± 3.466
pull
Entries 68
Mean −55.46
Std Dev 80.99
pull1D
Entries 68
Mean 0.07144
Std Dev 0.8034

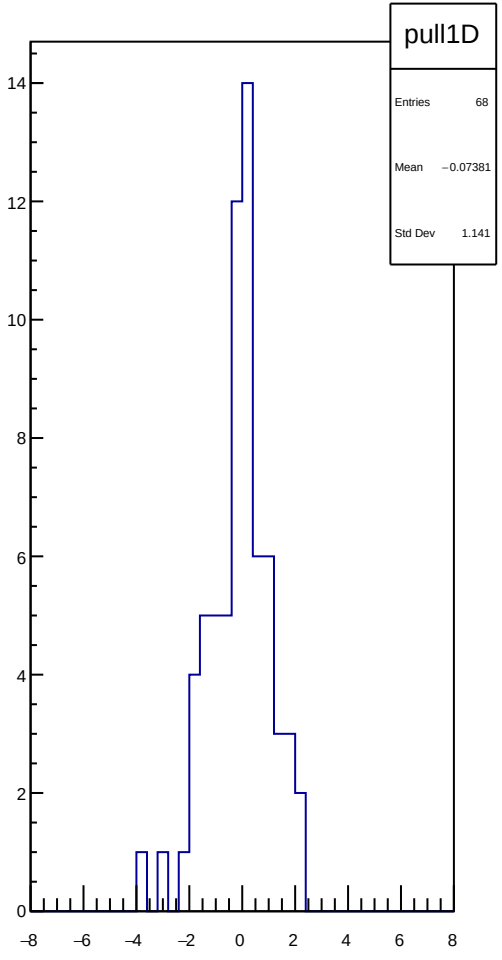

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.4 / 67
p0 24.19 ± 3.523
pull
Entries 68
Mean 202.6
Std Dev 179.3
pull1D
Entries 68
Mean 0.01387
Std Dev 0.5608

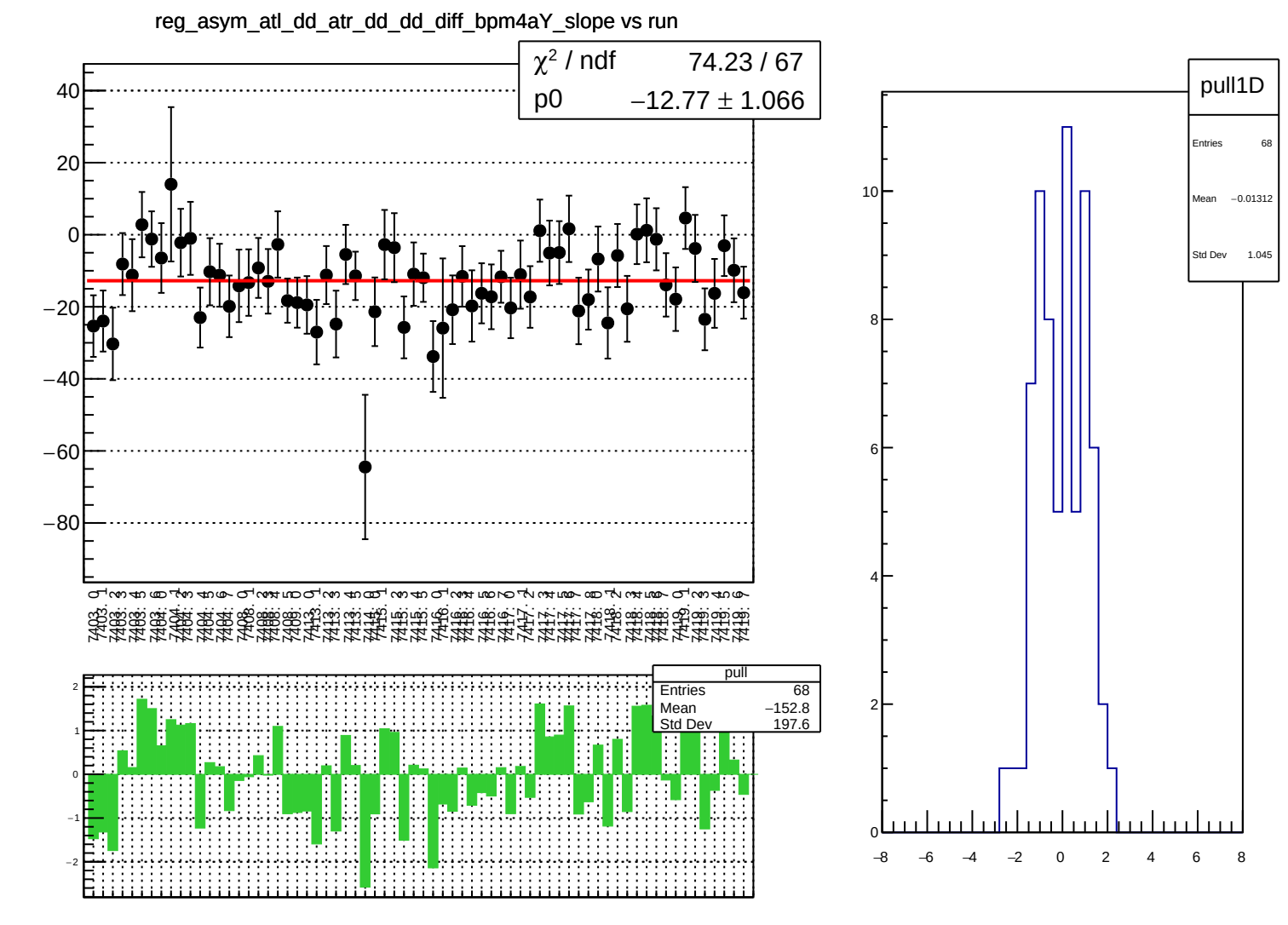

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.66 / 67
p0 −155.4 ± 3.602
pull
Entries 68
Mean −55.22
Std Dev 81
pull1D
Entries 68
Mean −0.07423
Std Dev 0.807

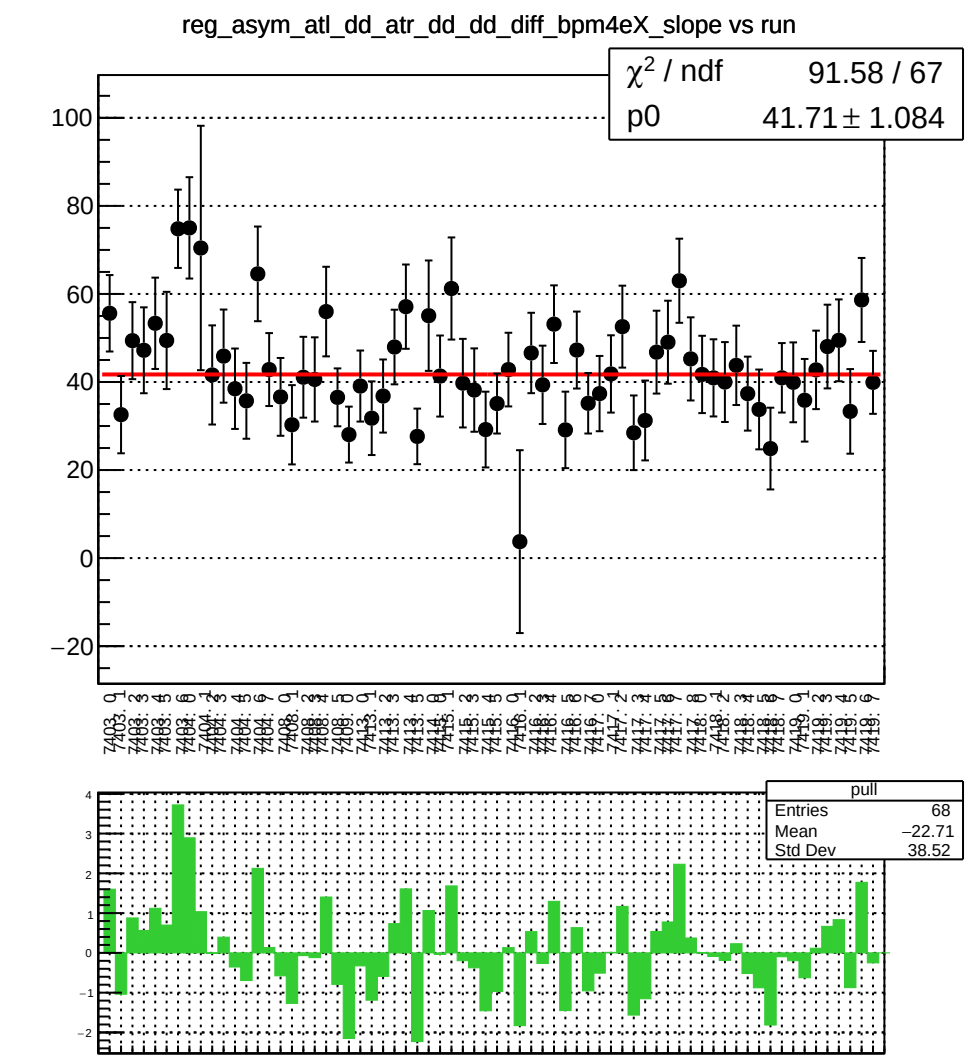

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.51 / 67
p0 −88.32 ± 3.727
pull
Entries 68
Mean 358.6
Std Dev 337.2
pull1D
Entries 68
Mean −0.007315
Std Dev 0.5624

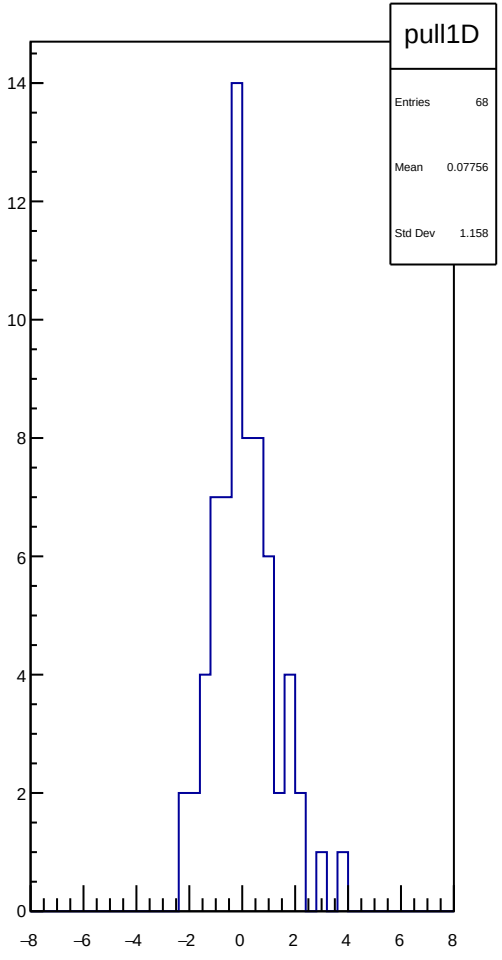

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 23.27 / 67
p0 114.9 ± 0.1647
pull
Entries 68
Mean −420.3
Std Dev 449.2
pull1D
Entries 68
Mean −0.0149
Std Dev 0.5848

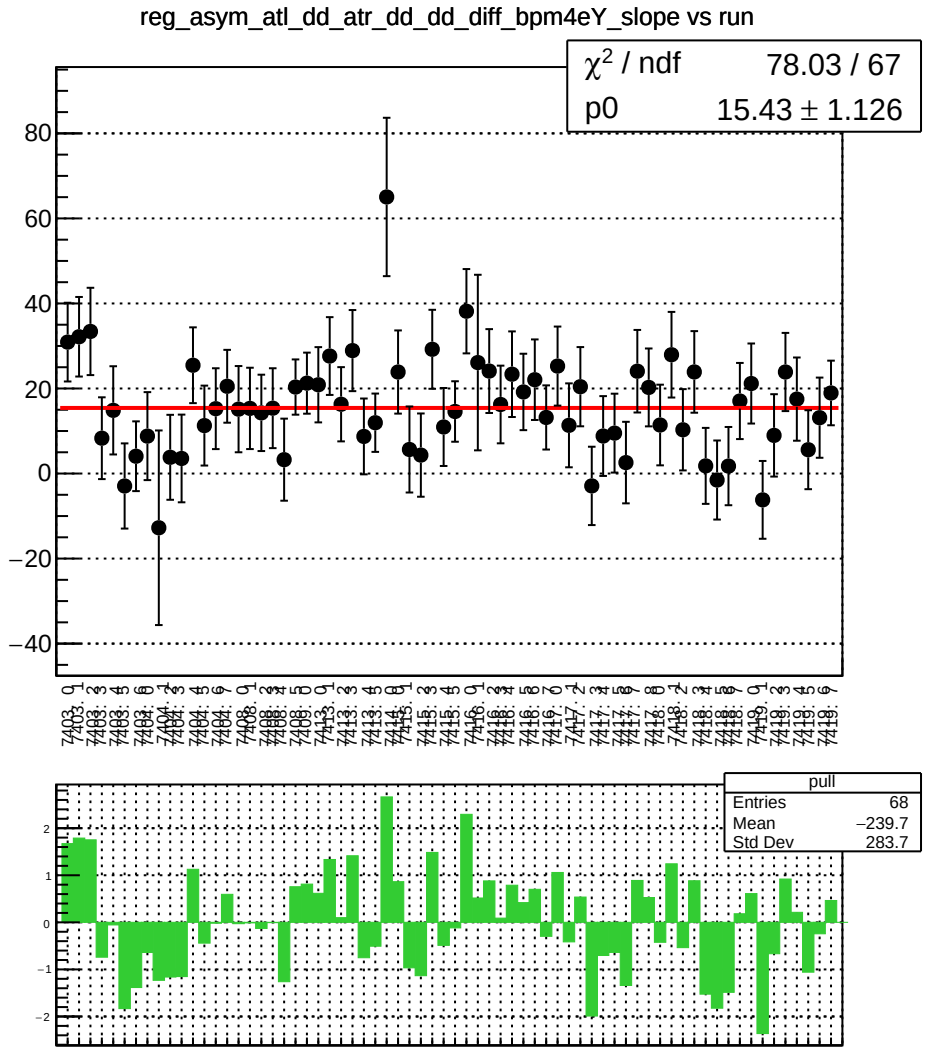

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 88.9 / 67
p0 17.88 ± 1.043
pull
Entries 68
Mean −23.58
Std Dev 37.68

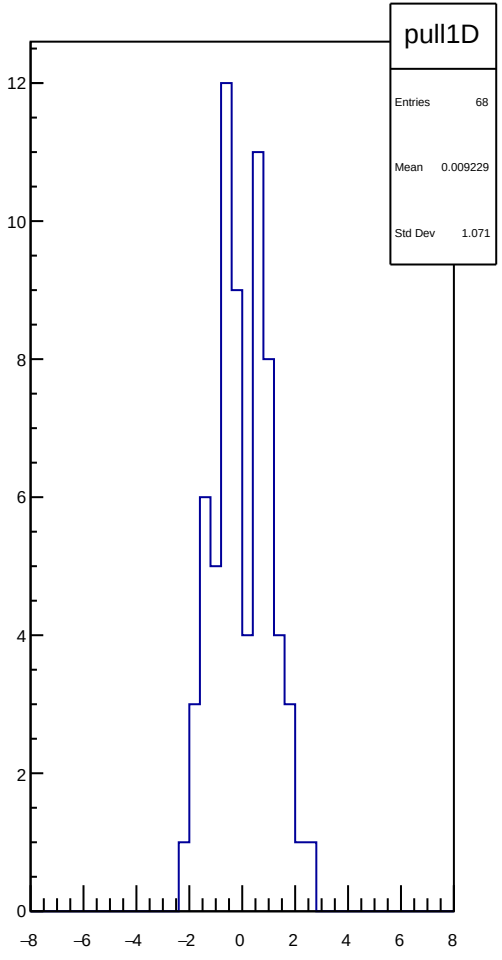

pull1D
Entries 68
Mean −0.07381
Std Dev 1.141

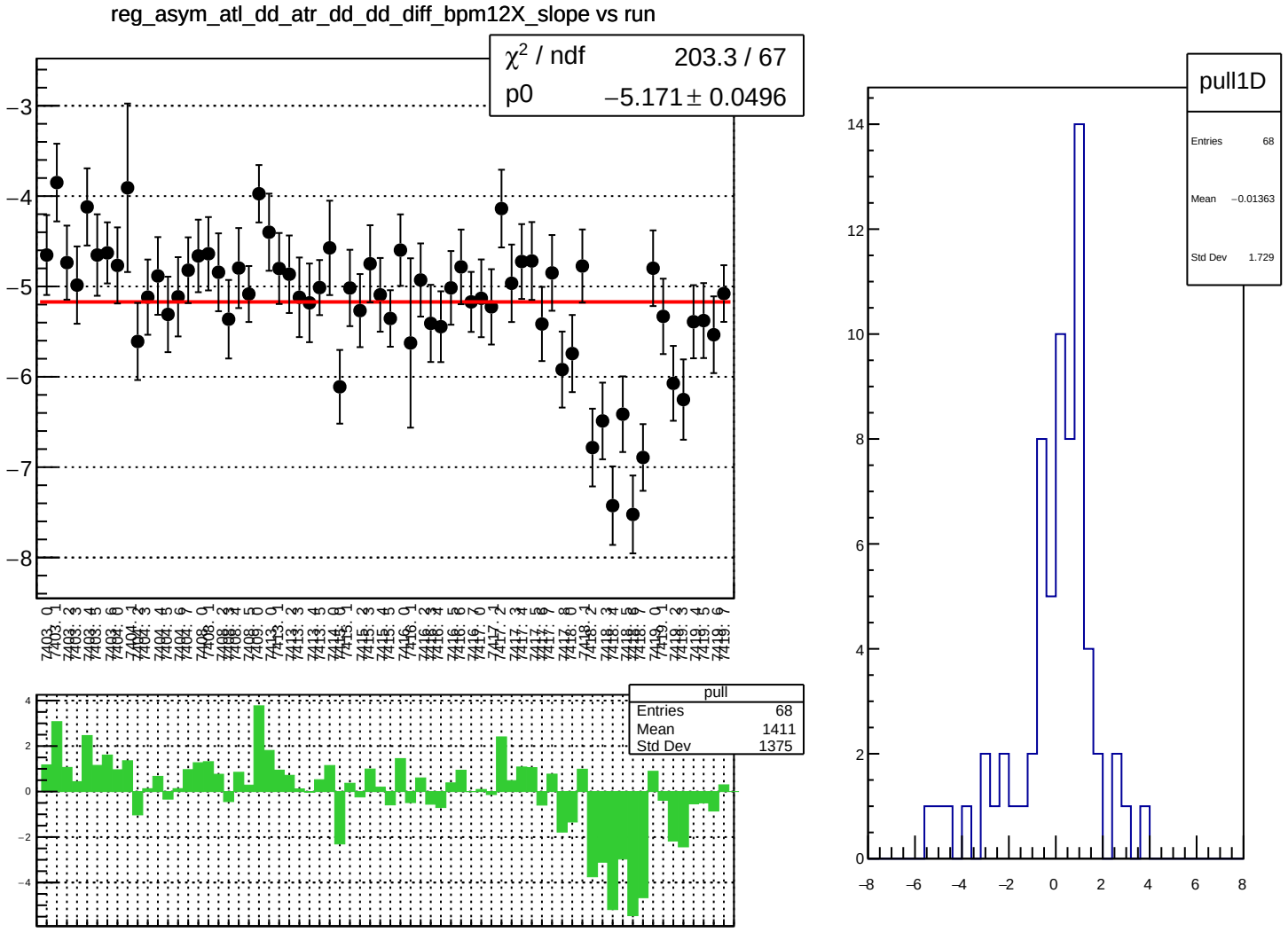

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.23 / 67
p0 −12.77 ± 1.066
pull
Entries 68
Mean −152.8
Std Dev 197.6
pull1D
Entries 68
Mean −0.01312
Std Dev 1.045

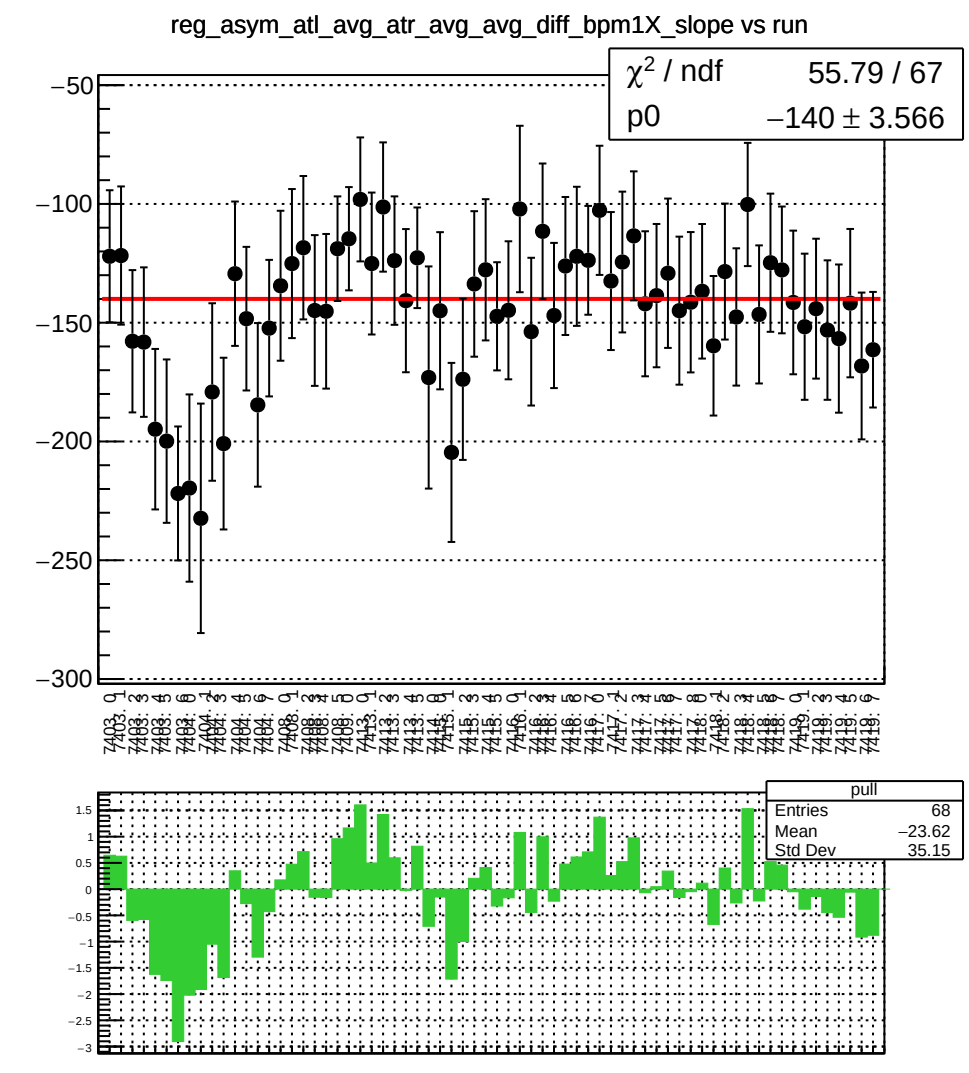

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 91.58 / 67
p0 41.71 ± 1.084
pull
Entries 68
Mean −22.71
Std Dev 38.52

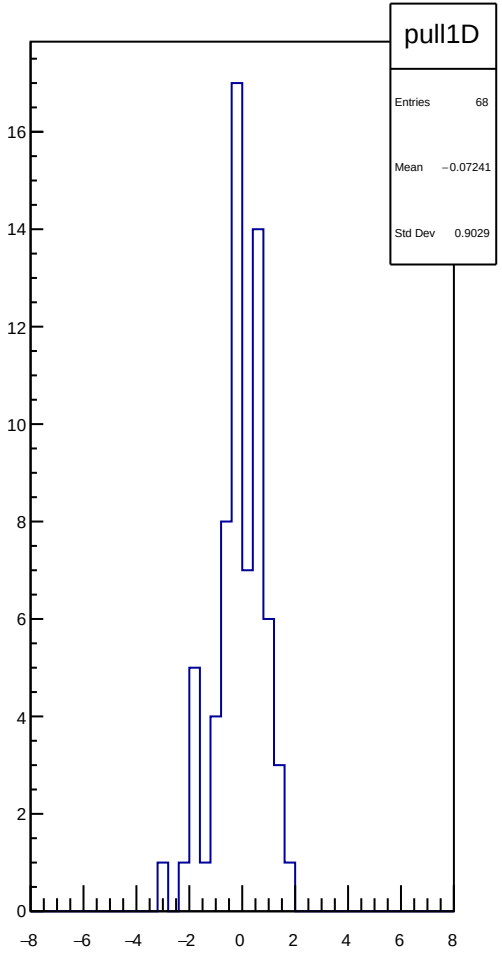

pull1D
Entries 68
Mean 0.07756
Std Dev 1.158

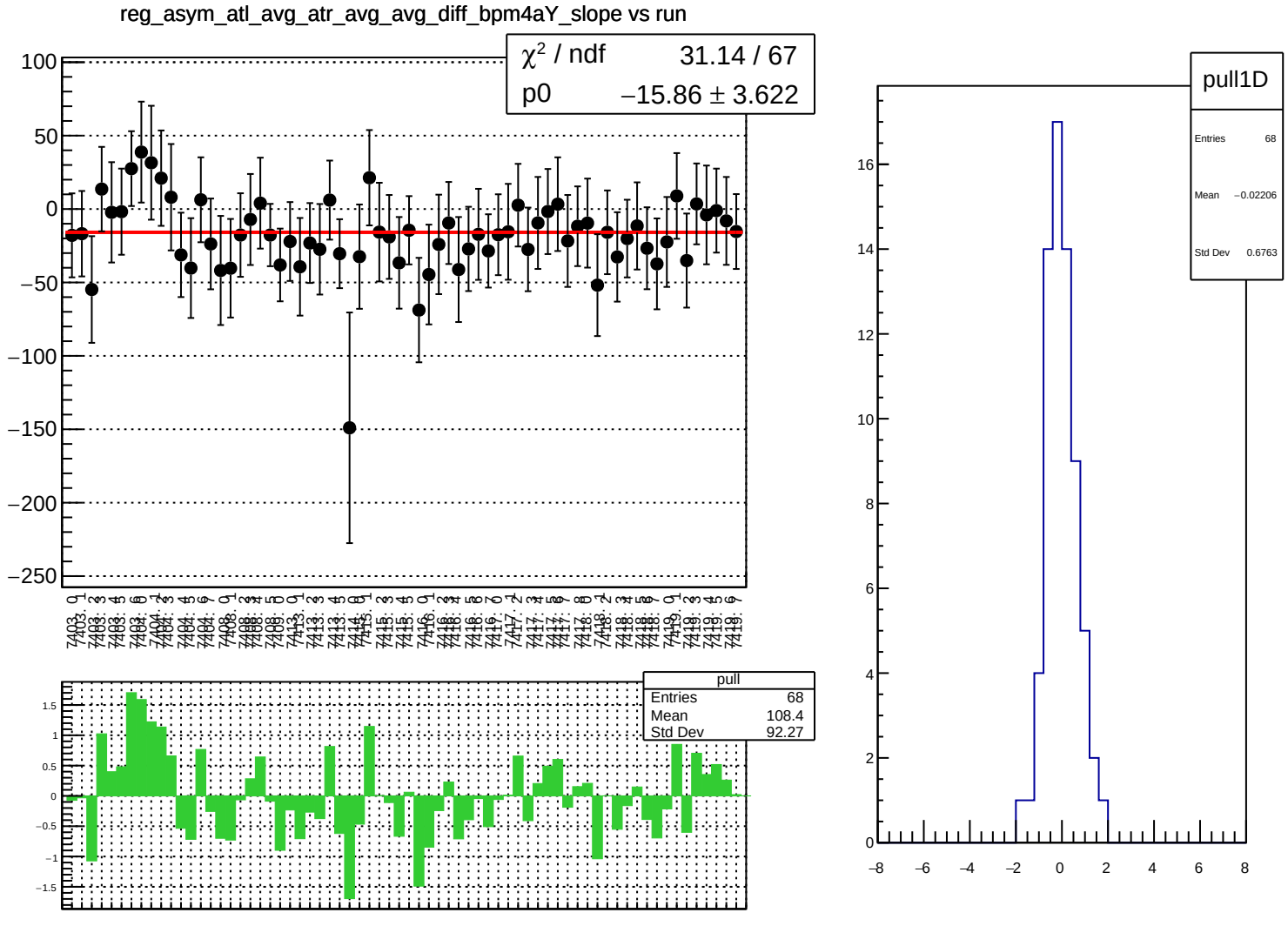

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.03 / 67
p0 15.43 ± 1.126
pull
Entries 68
Mean −239.7
Std Dev 283.7

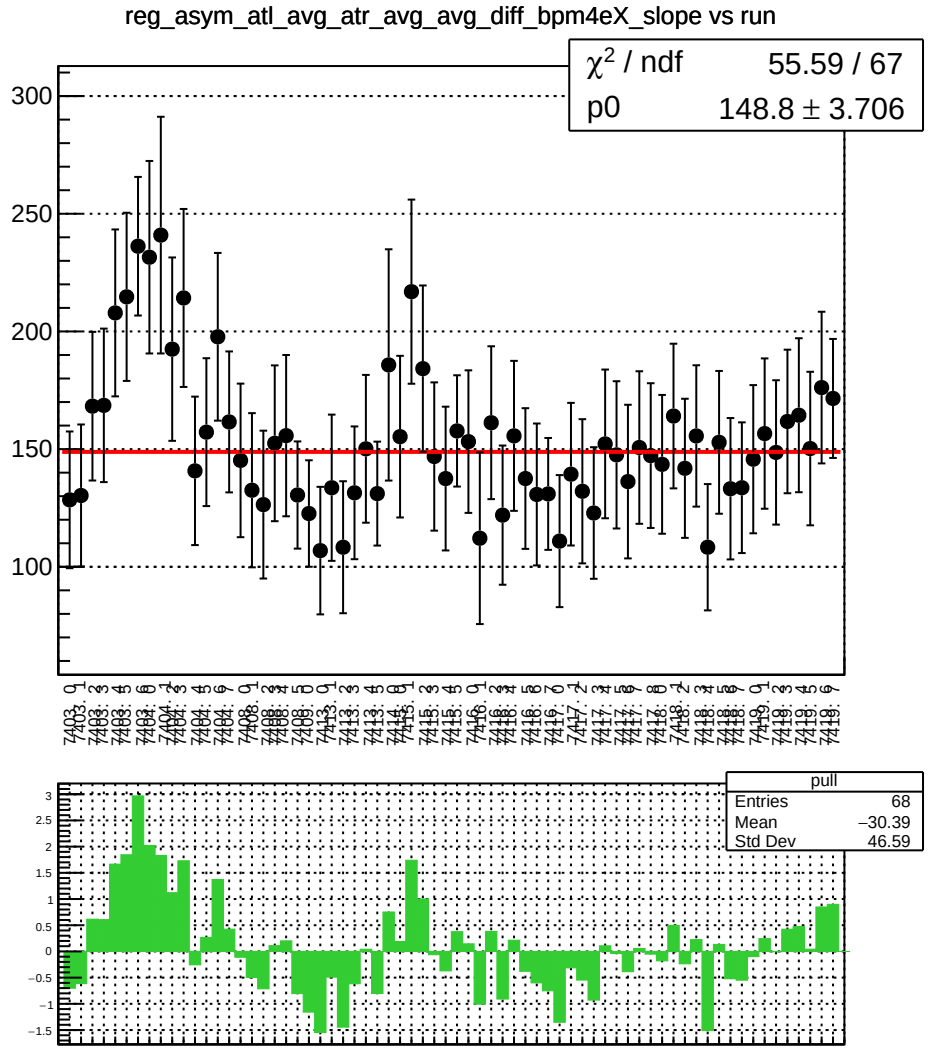

pull1D
Entries 68
Mean 0.009229
Std Dev 1.071

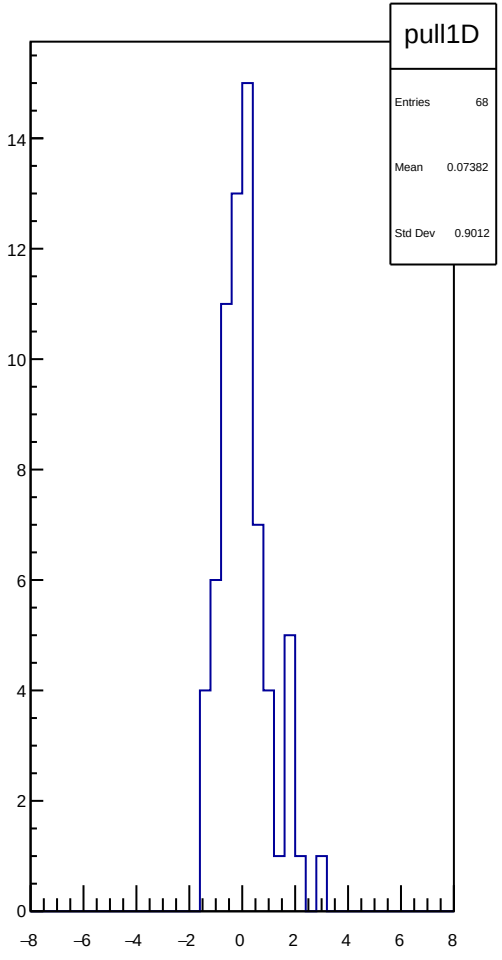

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 203.3 / 67
p0 −5.171 ± 0.0496
pull
Entries 68
Mean 1411
Std Dev 1375
pull1D
Entries 68
Mean −0.01363
Std Dev 1.729

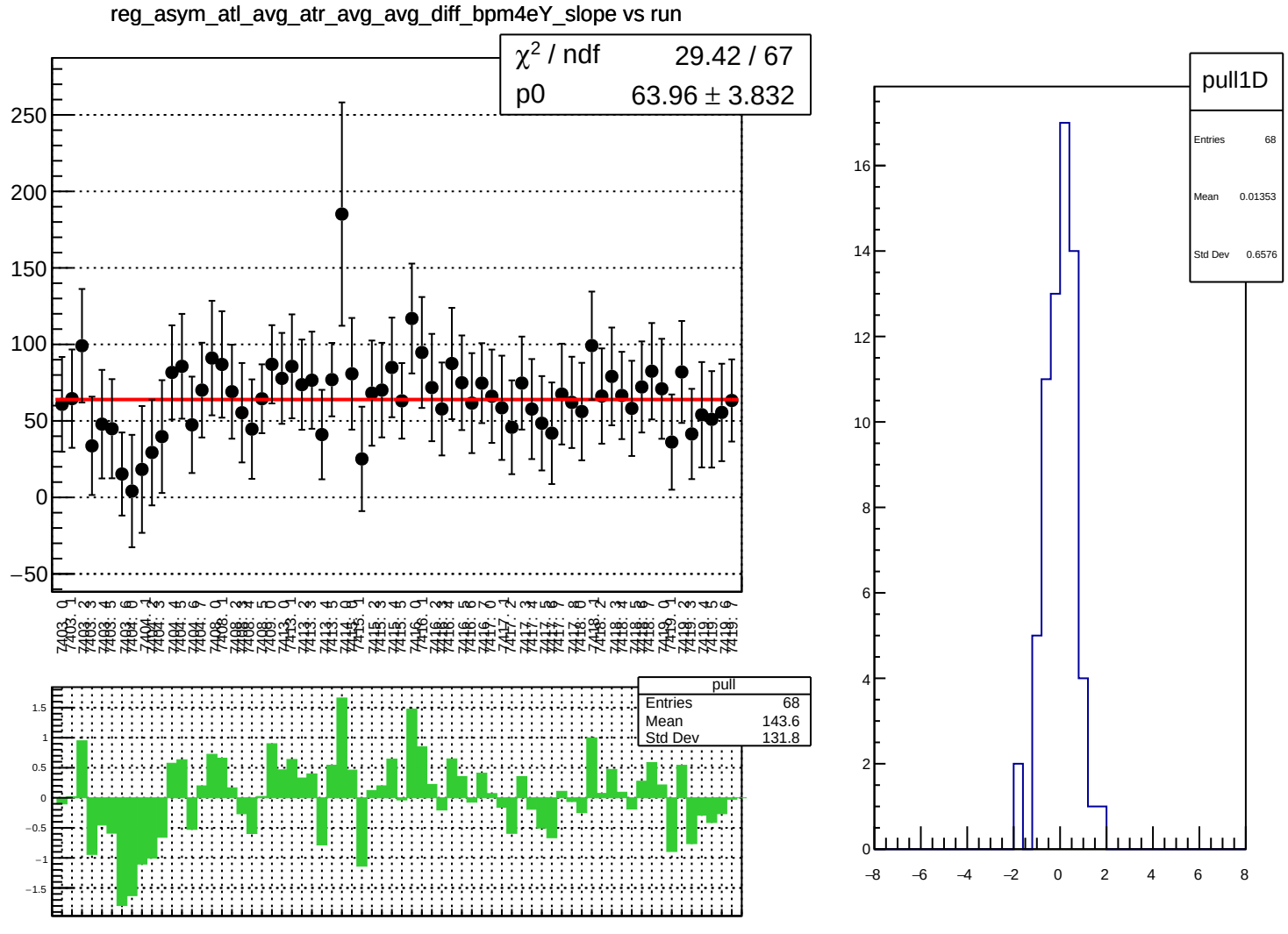

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 55.79 / 67
p0 −140 ± 3.566
pull
Entries 68
Mean −23.62
Std Dev 35.15

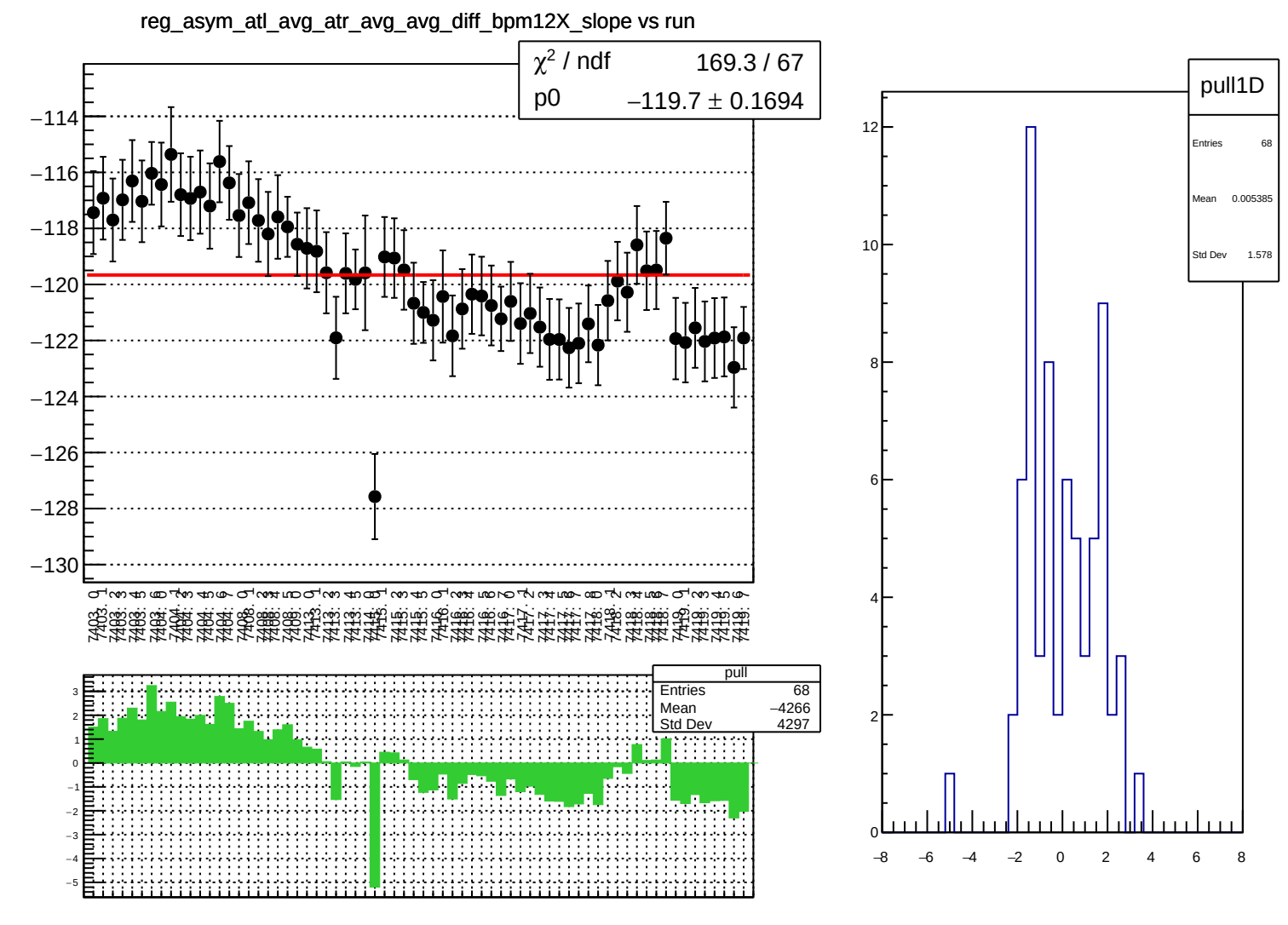

pull1D
Entries 68
Mean −0.07241
Std Dev 0.9029

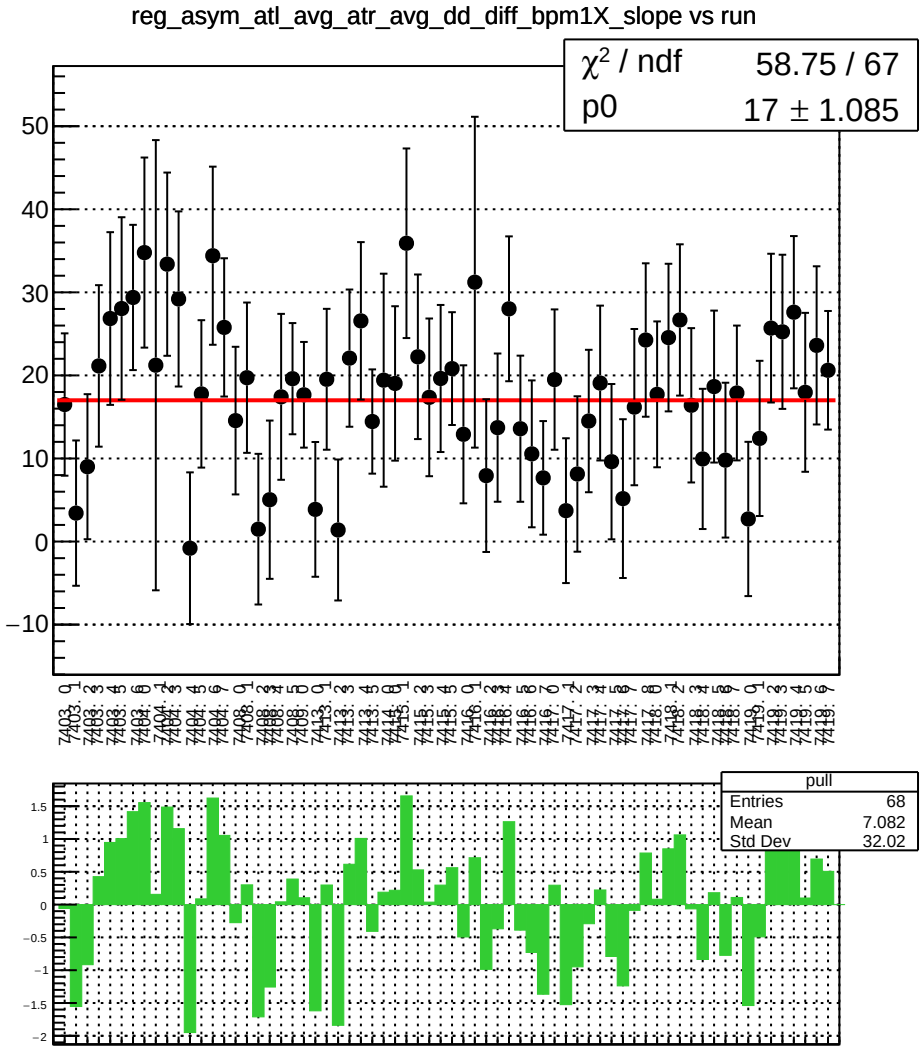

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.14 / 67
p0 −15.86 ± 3.622
pull
Entries 68
Mean 108.4
Std Dev 92.27
pull1D
Entries 68
Mean −0.02206
Std Dev 0.6763

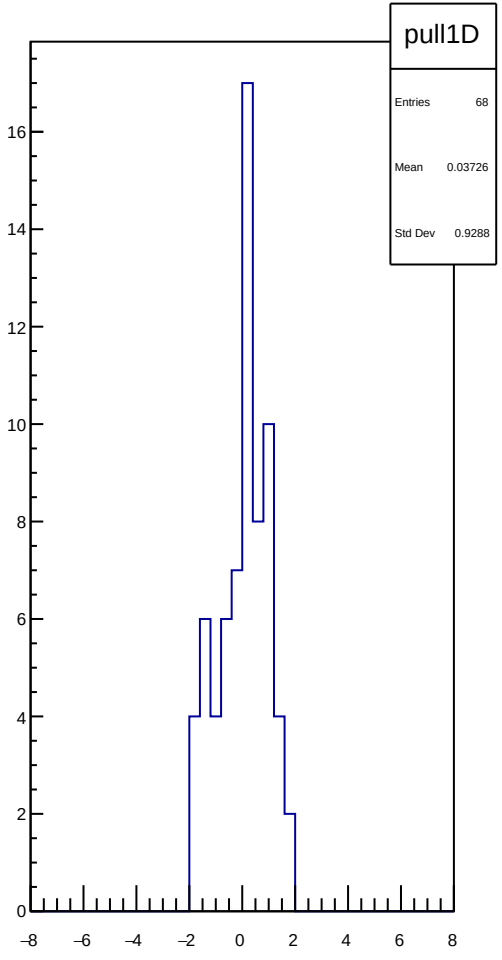

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.59 / 67
p0 148.8 ± 3.706
pull
Entries 68
Mean −30.39
Std Dev 46.59

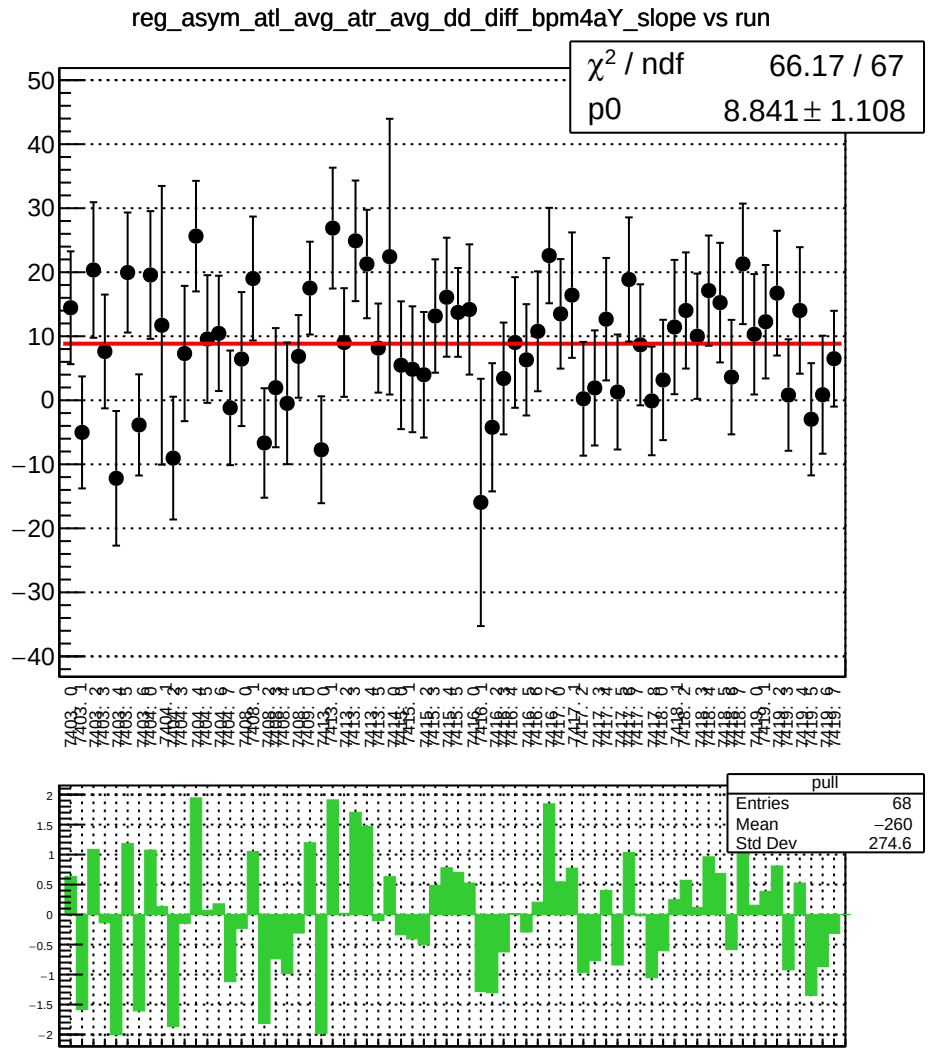

pull1D
Entries 68
Mean 0.07382
Std Dev 0.9012

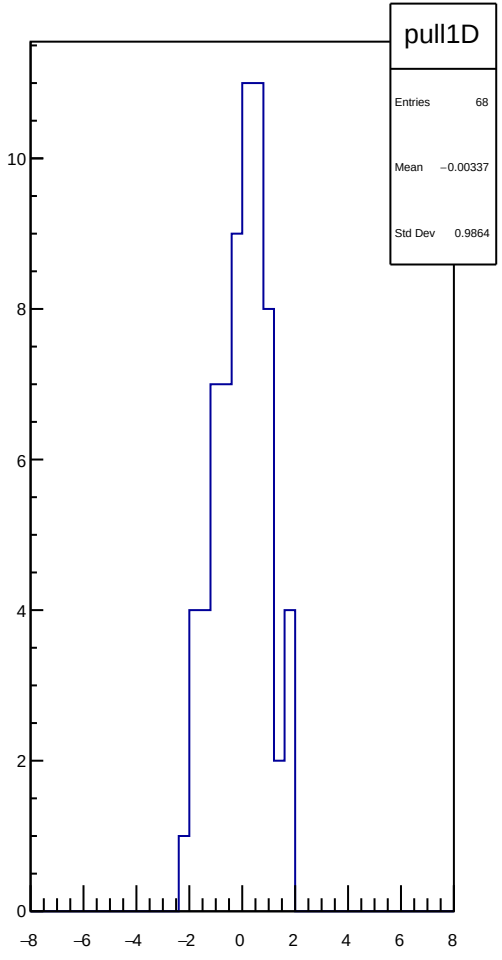

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.42 / 67
p0 63.96 ± 3.832
pull
Entries 68
Mean 143.6
Std Dev 131.8
pull1D
Entries 68
Mean 0.01353
Std Dev 0.6576

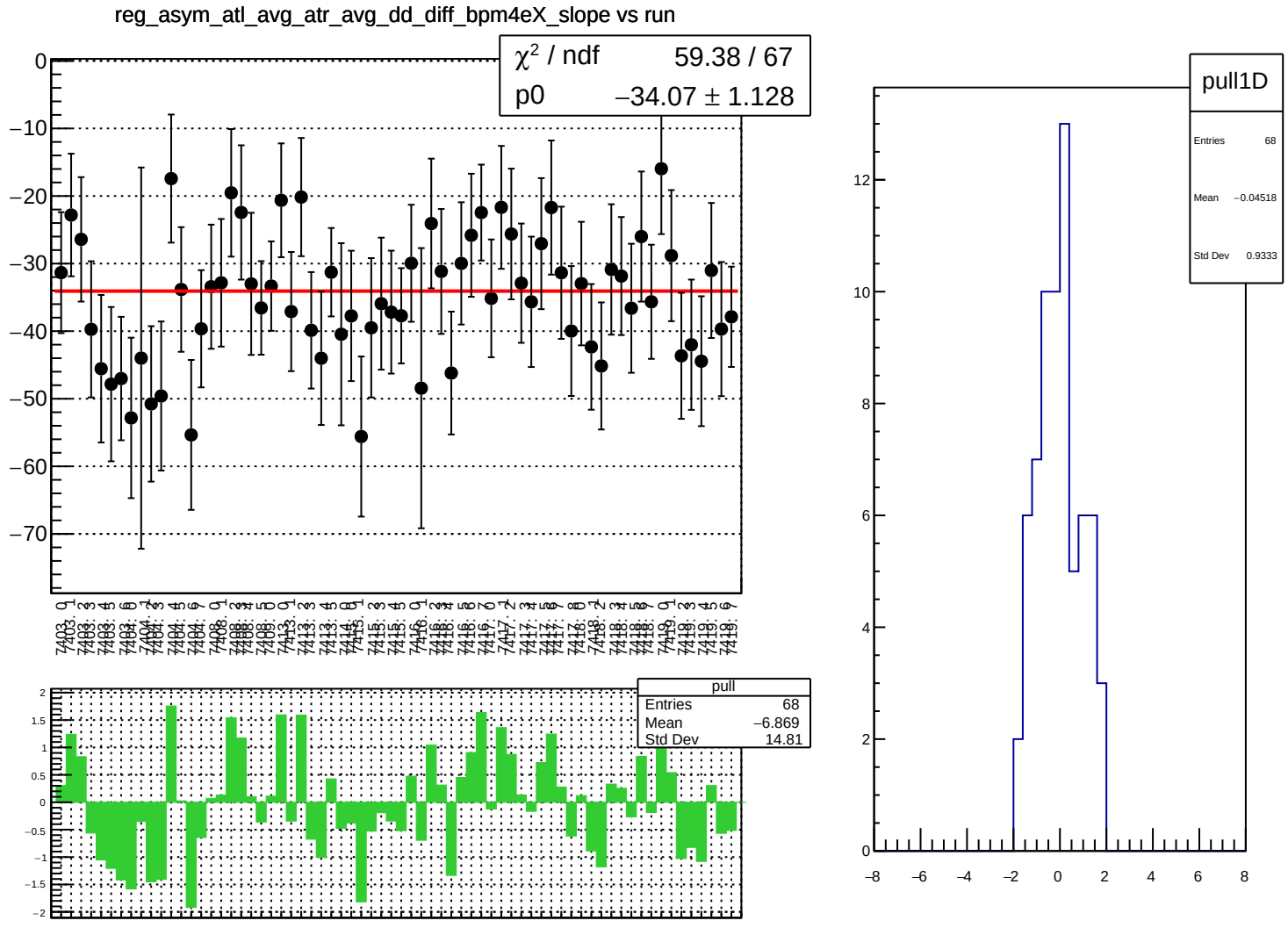

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 169.3 / 67
p0 −119.7 ± 0.1694
pull
Entries 68
Mean −4266
Std Dev 4297
pull1D
Entries 68
Mean 0.005385
Std Dev 1.578

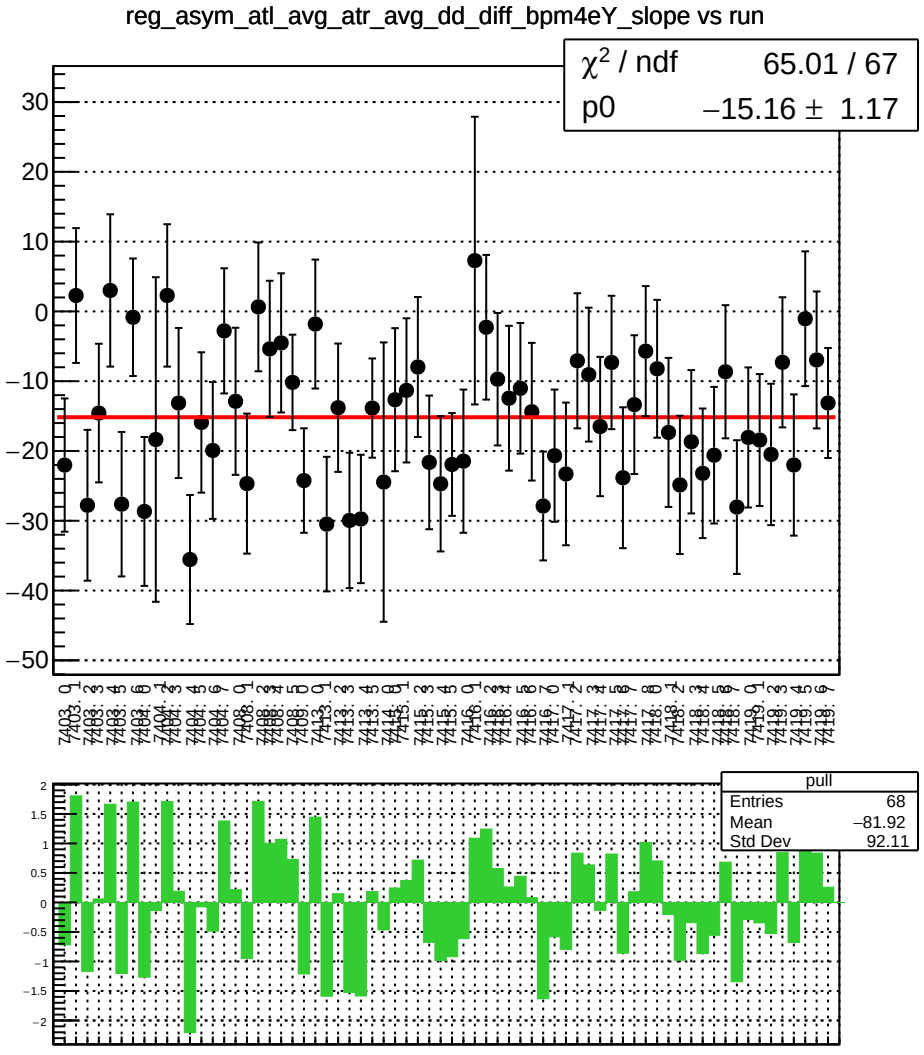

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 58.75 / 67
p0 17 ± 1.085
pull
Entries 68
Mean 7.082
Std Dev 32.02

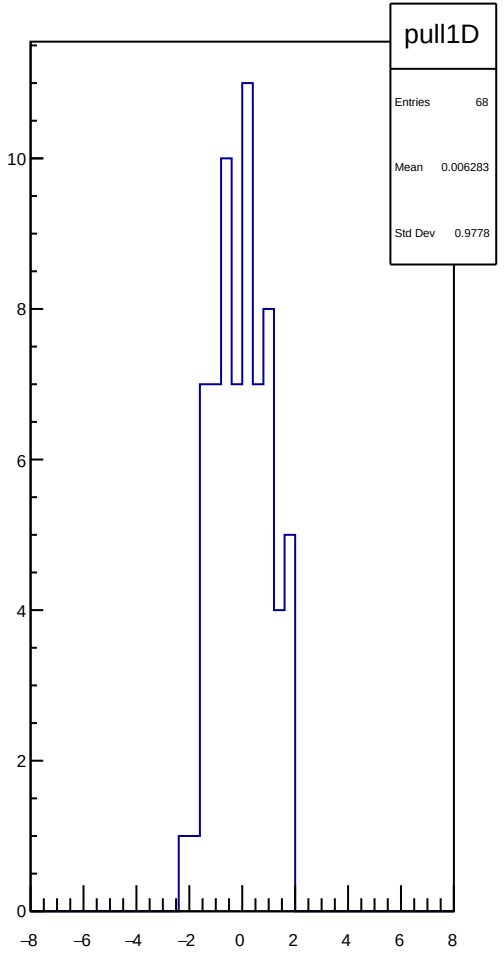

pull1D
Entries 68
Mean 0.03726
Std Dev 0.9288

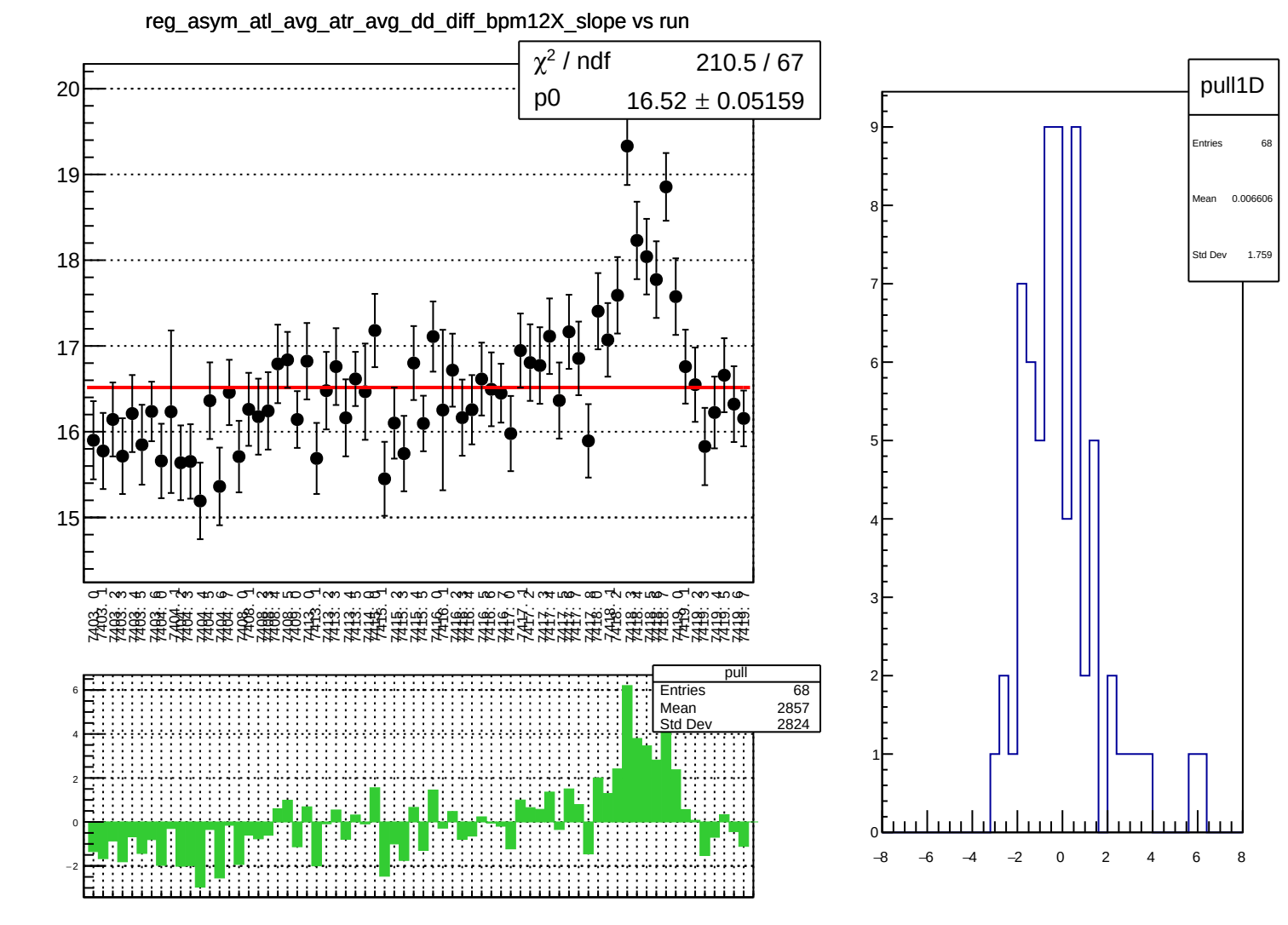

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.17 / 67
p0 8.841 ± 1.108
pull
Entries 68
Mean −260
Std Dev 274.6

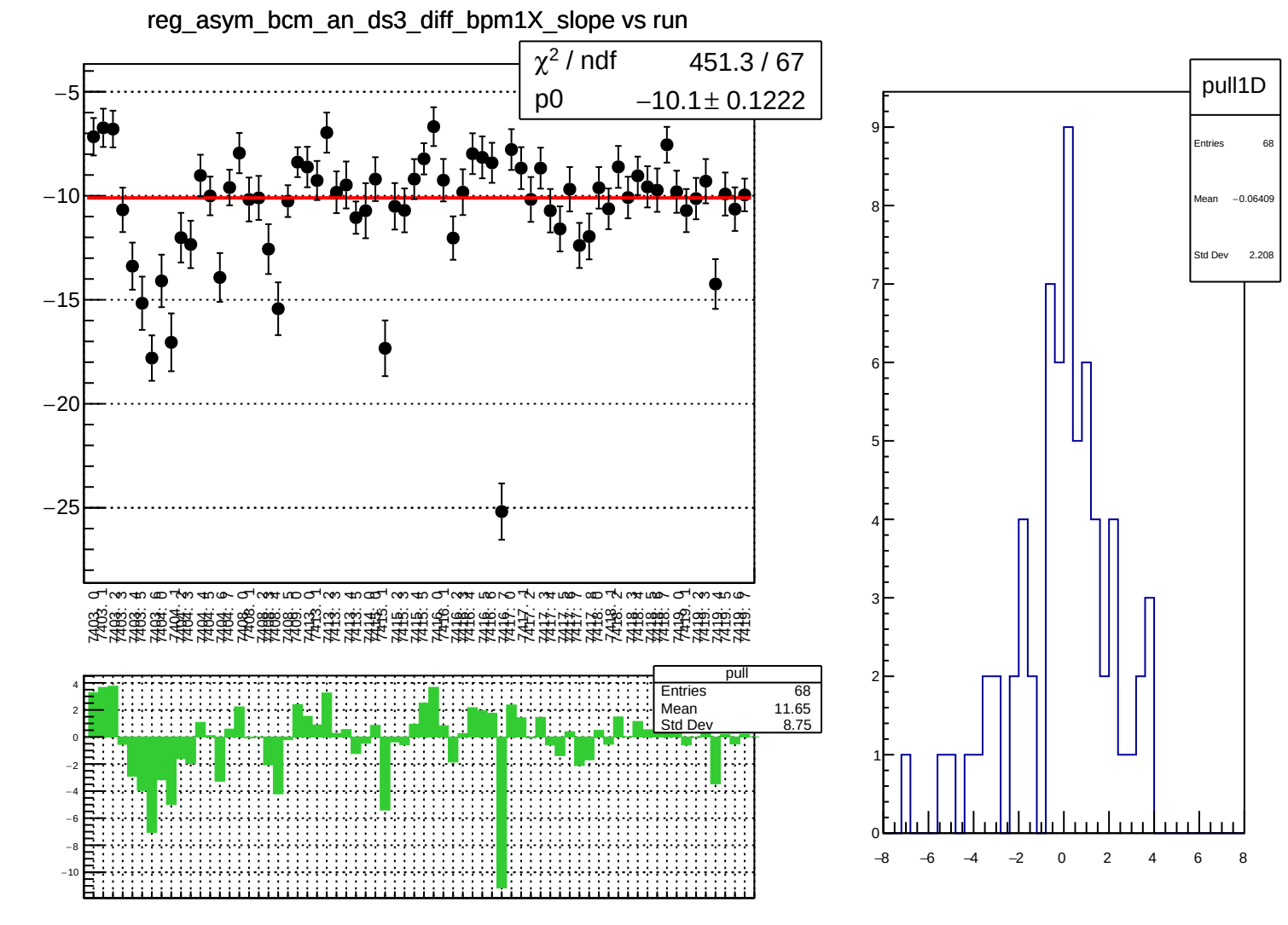

pull1D
Entries 68
Mean −0.00337
Std Dev 0.9864

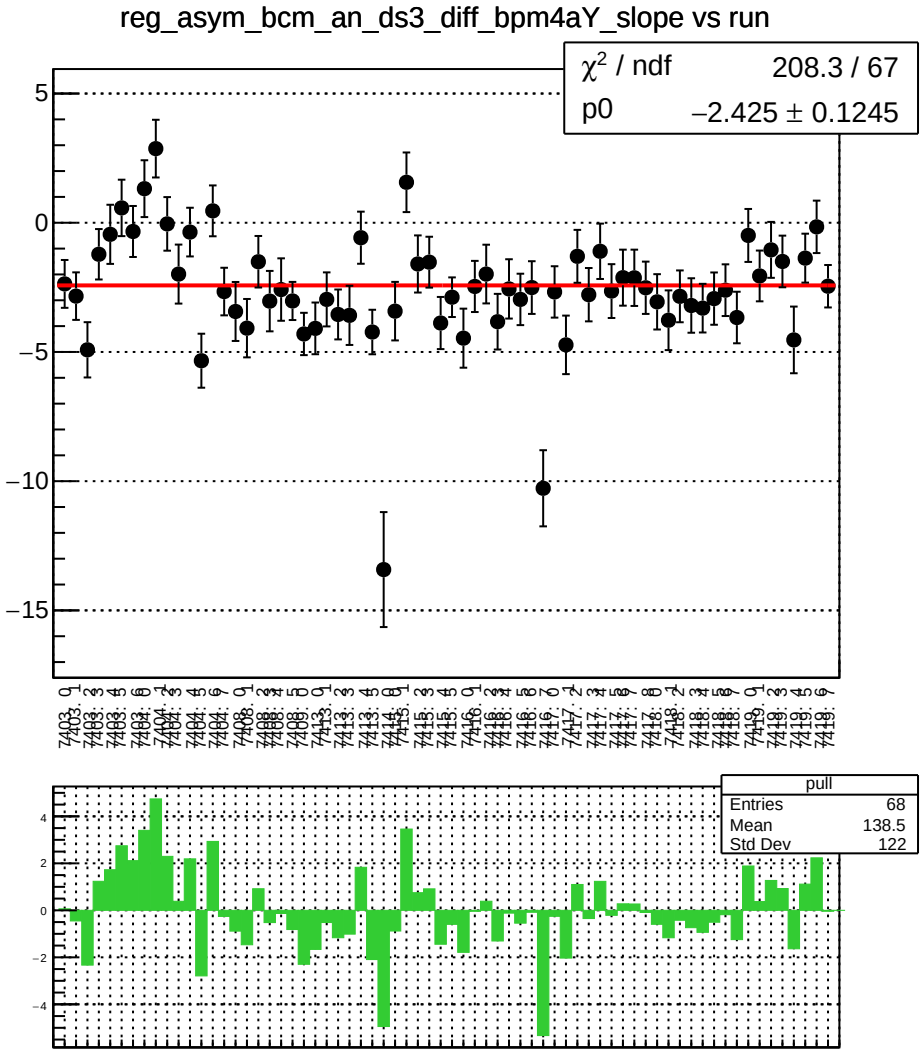

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.38 / 67
p0 −34.07 ± 1.128
pull
Entries 68
Mean −6.869
Std Dev 14.81
pull1D
Entries 68
Mean −0.04518
Std Dev 0.9333

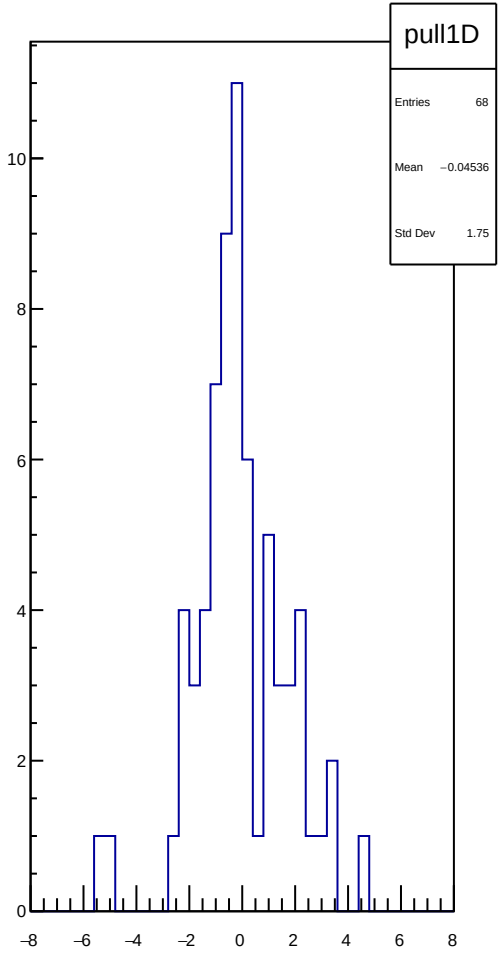

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.01 / 67
p0 −15.16 ± 1.17
pull
Entries 68
Mean −81.92
Std Dev 92.11

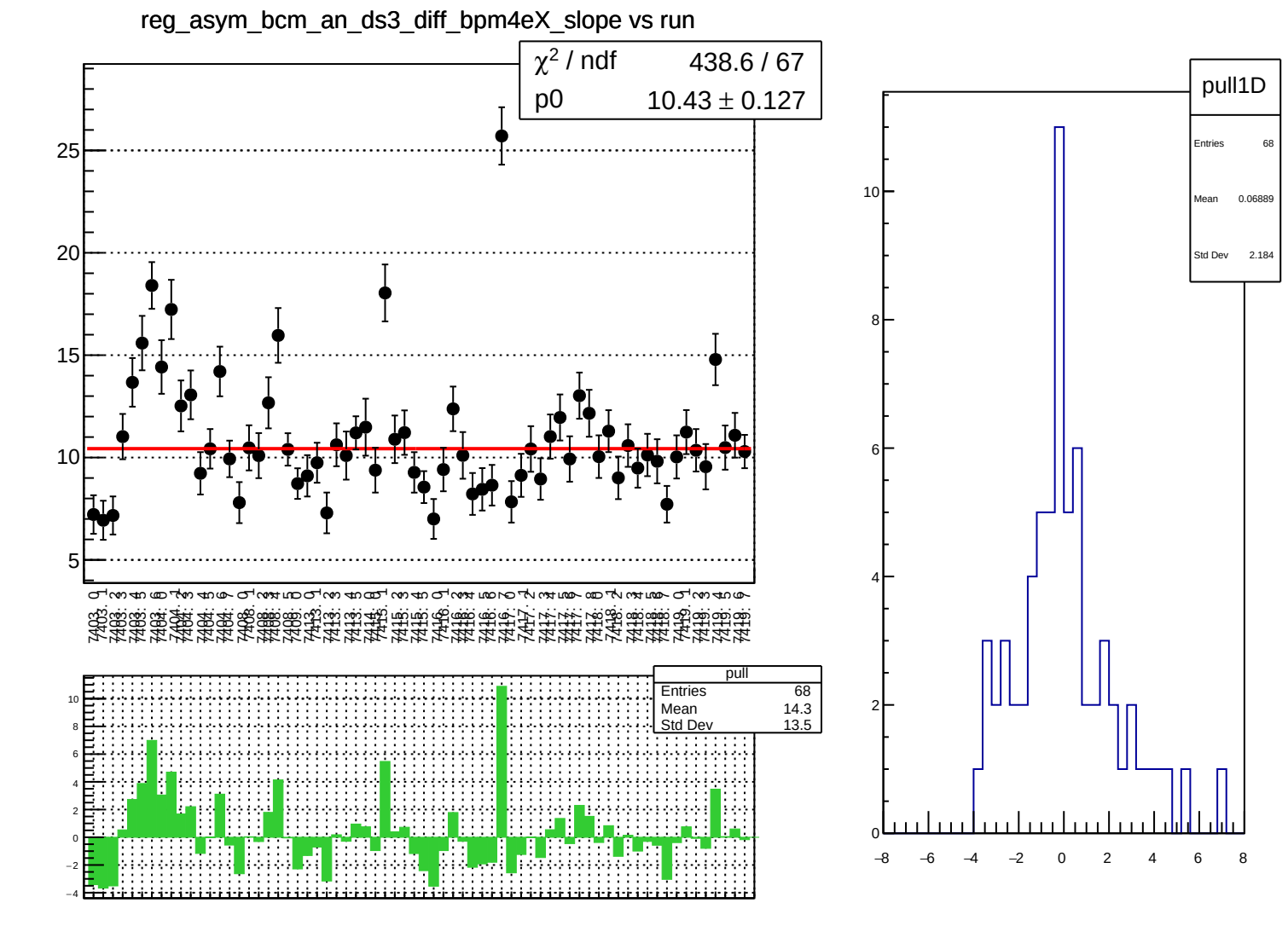

pull1D
Entries 68
Mean 0.006283
Std Dev 0.9778

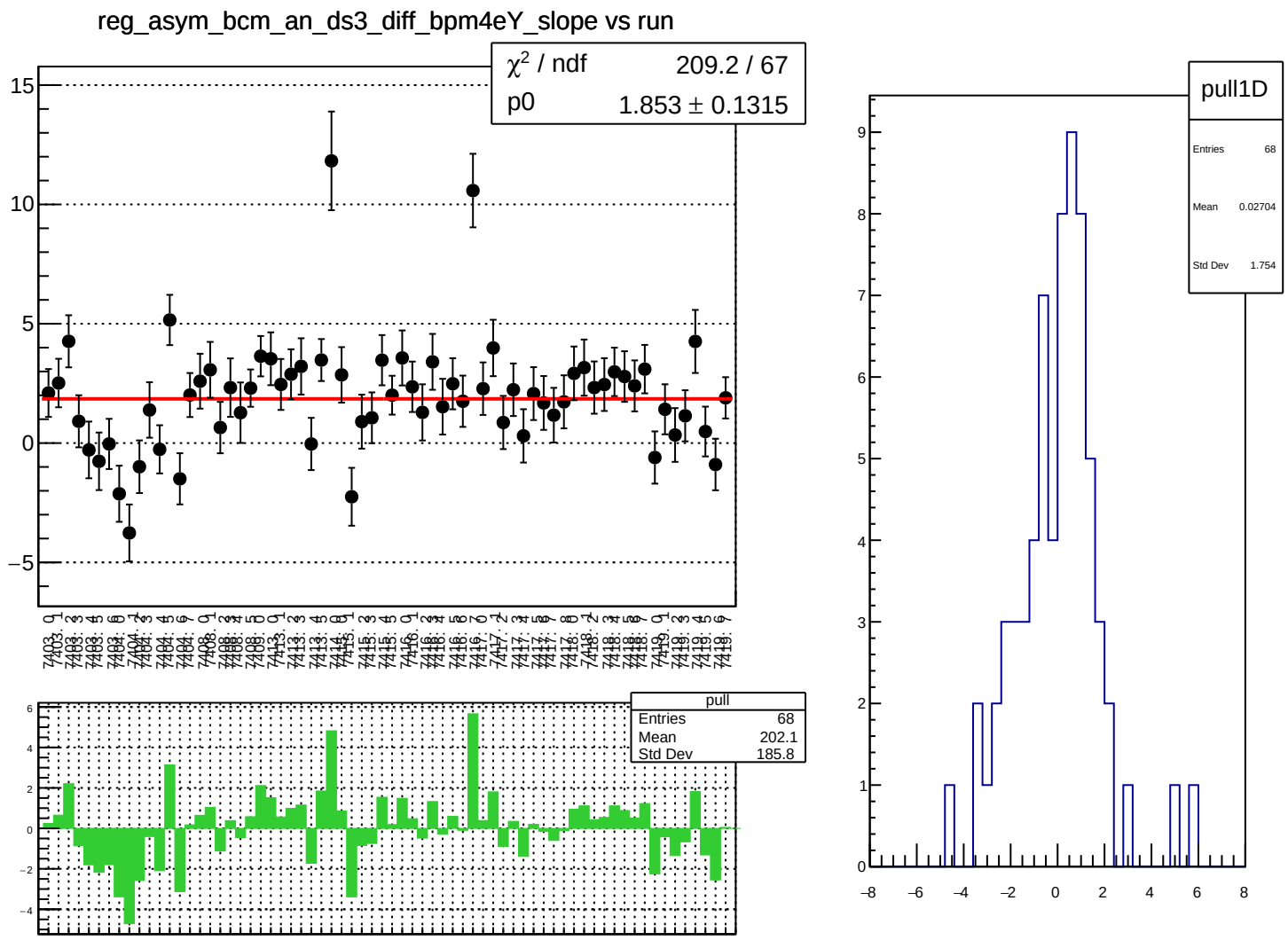

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 210.5 / 67
p0 16.52 ± 0.05159
pull
Entries 68
Mean 2857
Std Dev 2824
pull1D
Entries 68
Mean 0.006606
Std Dev 1.759

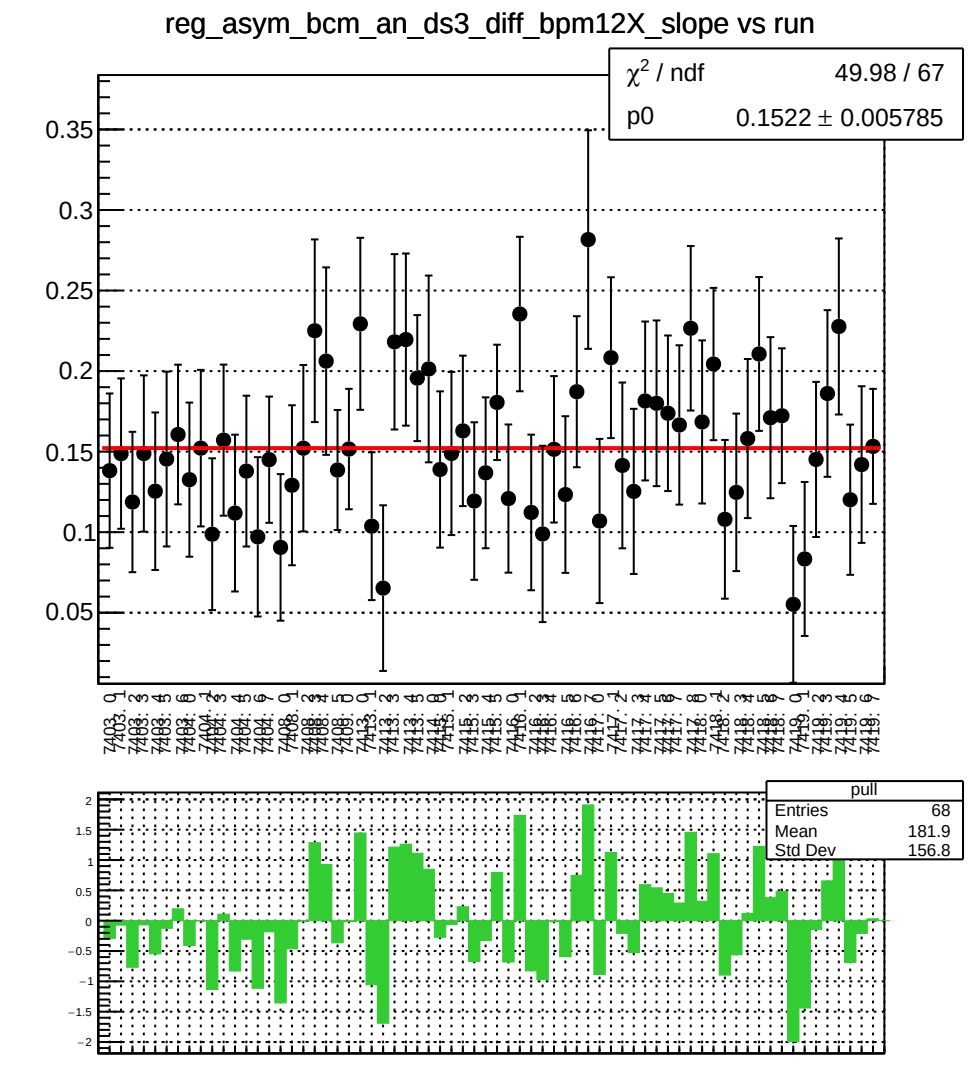

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 451.3 / 67
p0 −10.1 ± 0.1222
pull
Entries 68
Mean 11.65
Std Dev 8.75
pull1D
Entries 68
Mean −0.06409
Std Dev 2.208

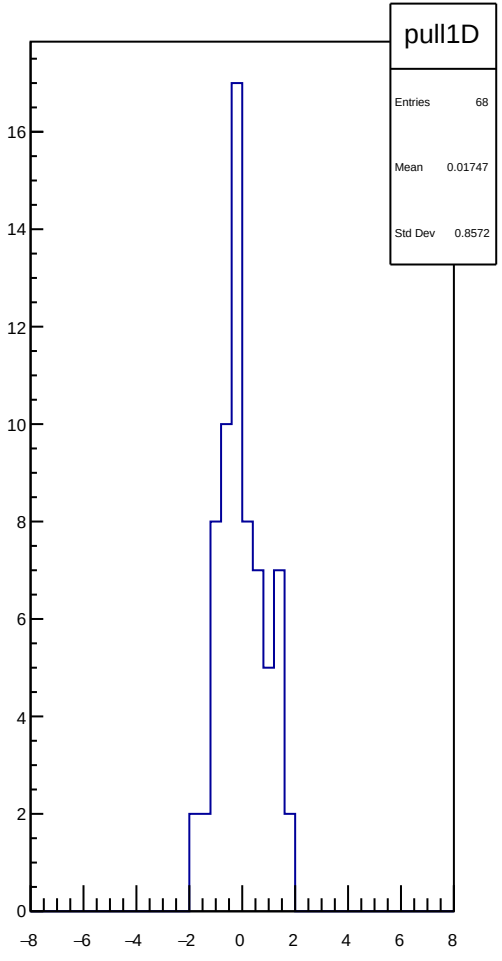

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 208.3 / 67
p0 −2.425 ± 0.1245
pull
Entries 68
Mean 138.5
Std Dev 122

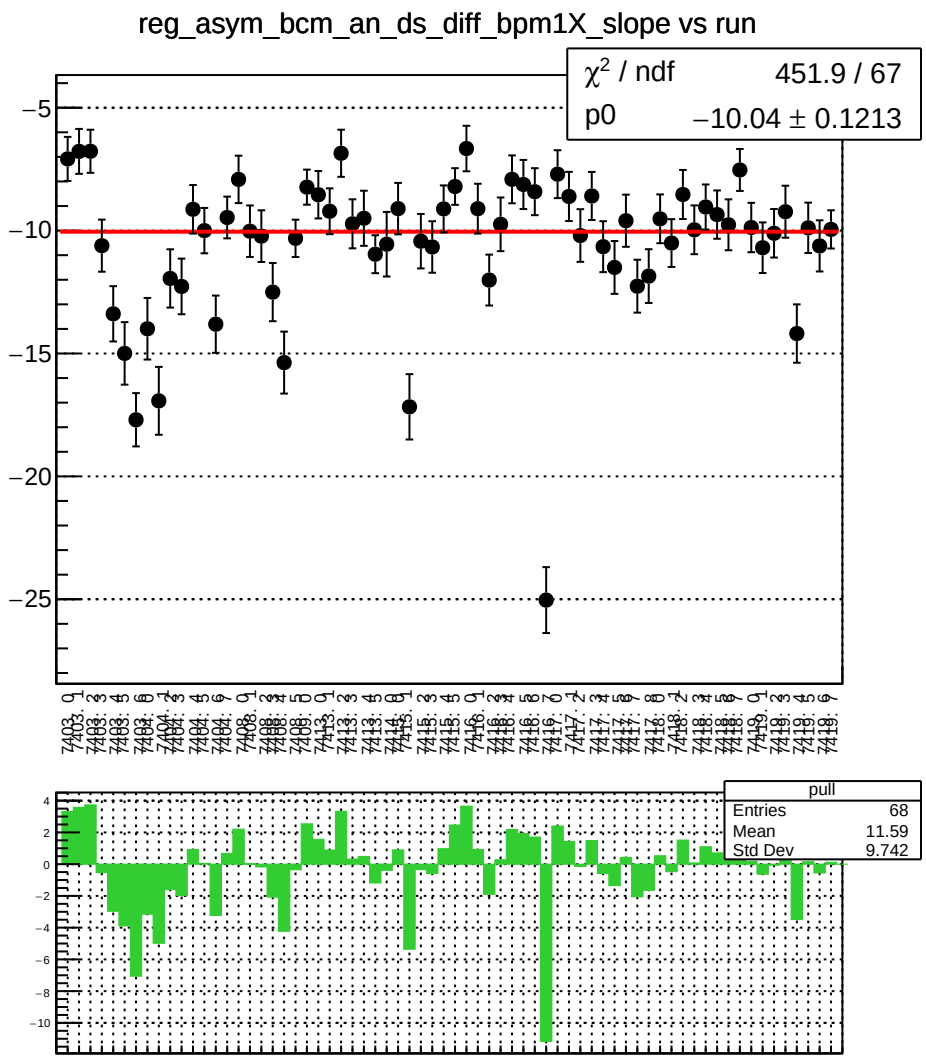

pull1D
Entries 68
Mean −0.04536
Std Dev 1.75

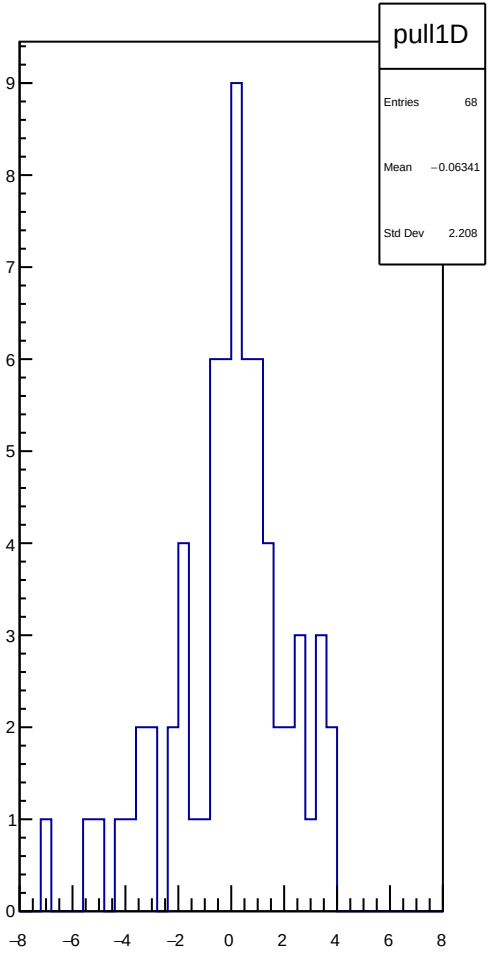

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 438.6 / 67
p0 10.43 ± 0.127
pull
Entries 68
Mean 14.3
Std Dev 13.5
pull1D
Entries 68
Mean 0.06889
Std Dev 2.184

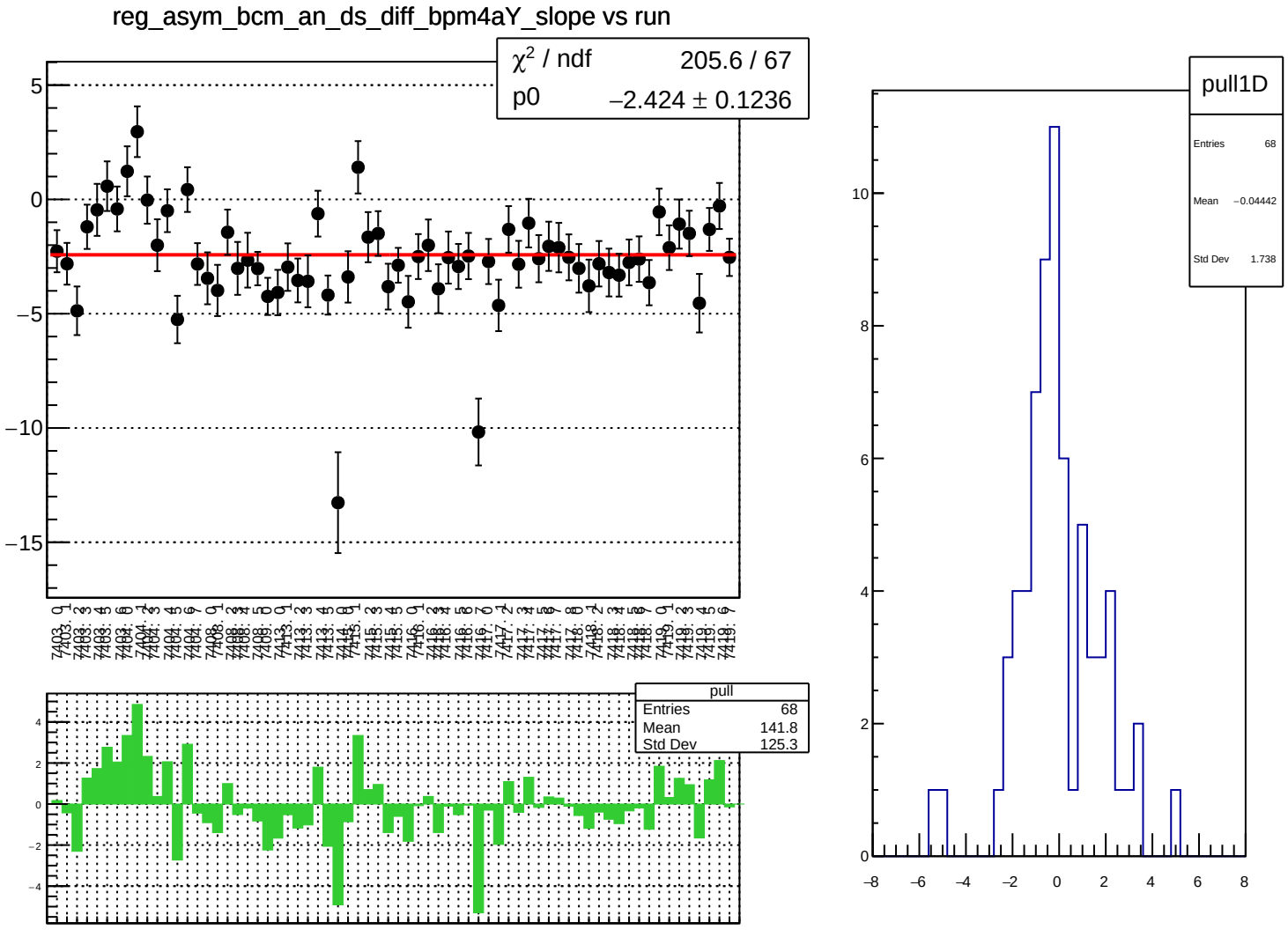

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 209.2 / 67
p0 1.853 ± 0.1315
pull
Entries 68
Mean 202.1
Std Dev 185.8
pull1D
Entries 68
Mean 0.02704
Std Dev 1.754

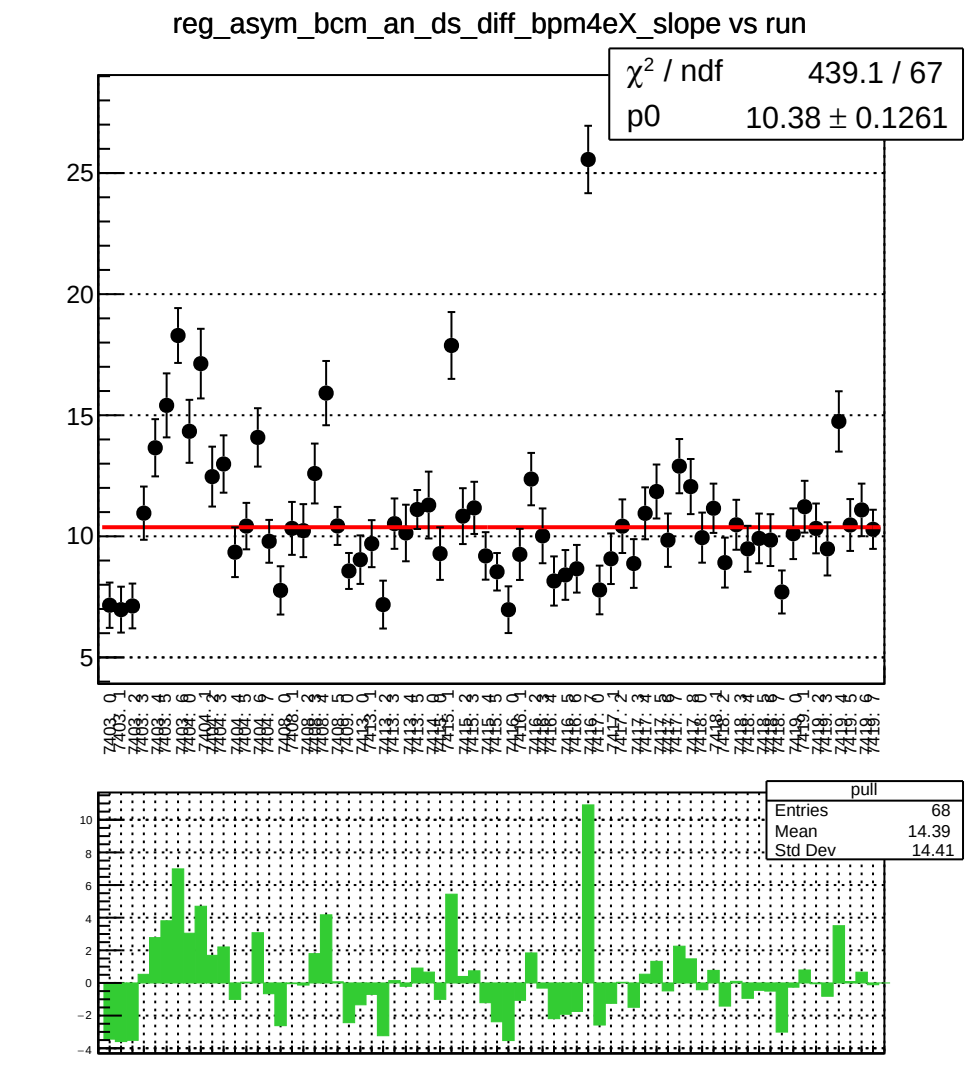

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 49.98 / 67
p0 0.1522 ± 0.005785
pull
Entries 68
Mean 181.9
Std Dev 156.8

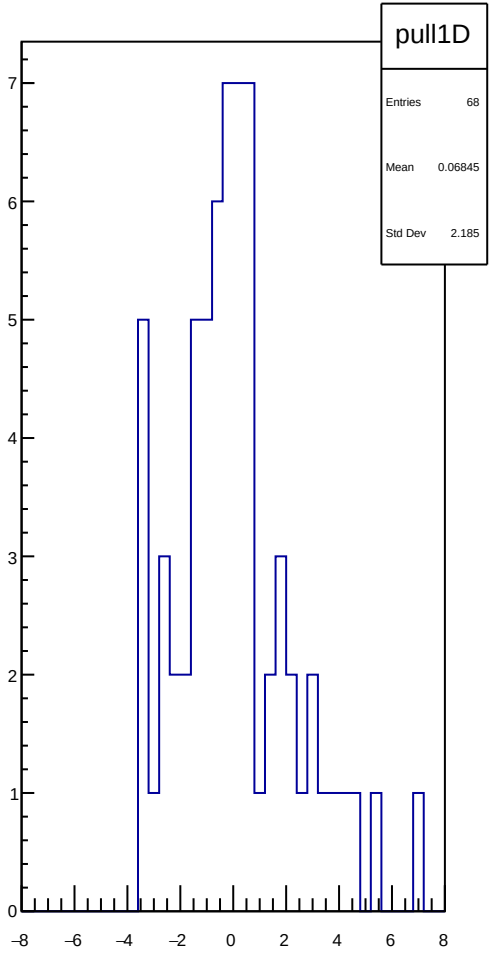

pull1D
Entries 68
Mean 0.01747
Std Dev 0.8572

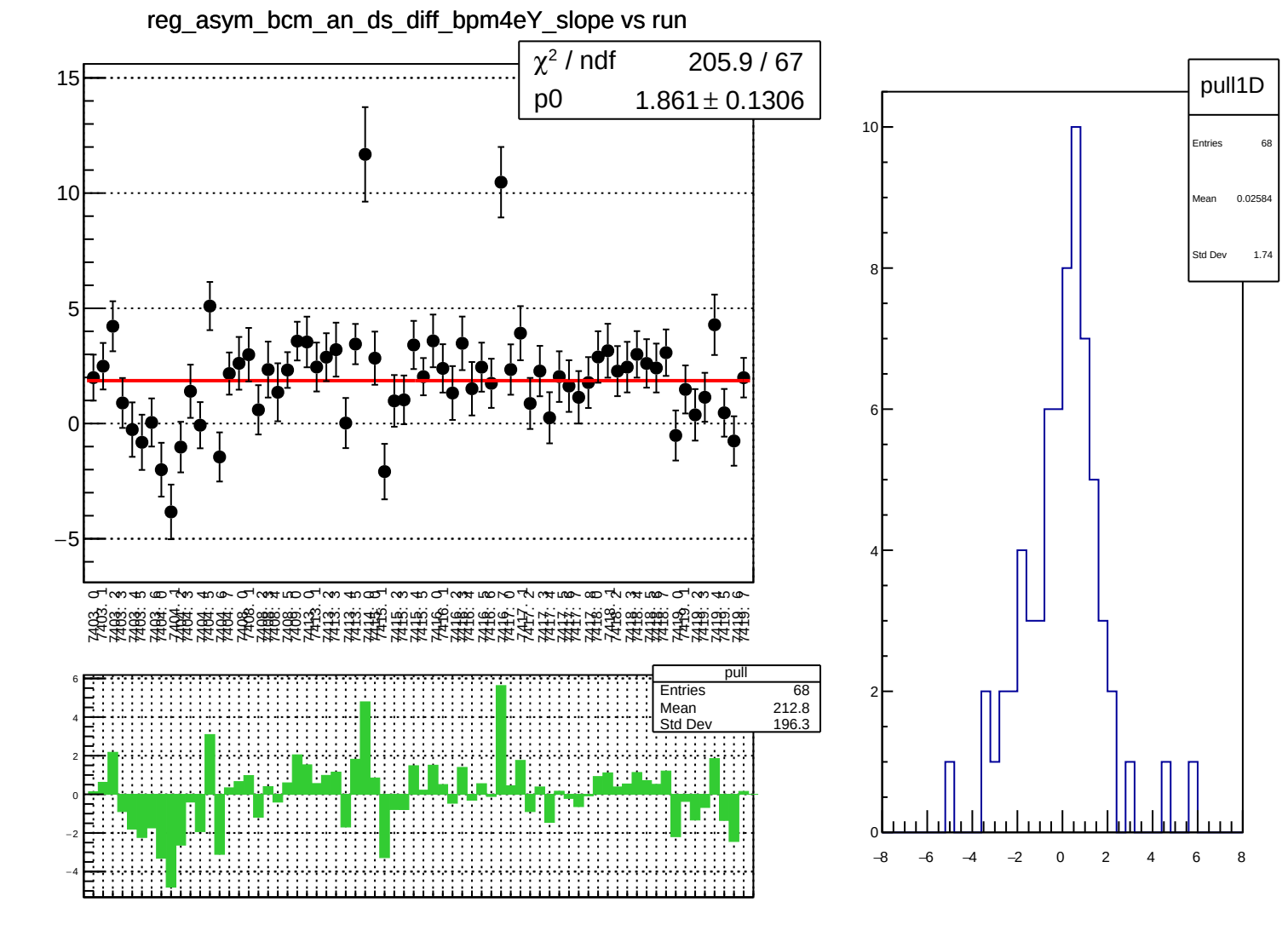

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 451.9 / 67
p0 −10.04 ± 0.1213
pull
Entries 68
Mean 11.59
Std Dev 9.742

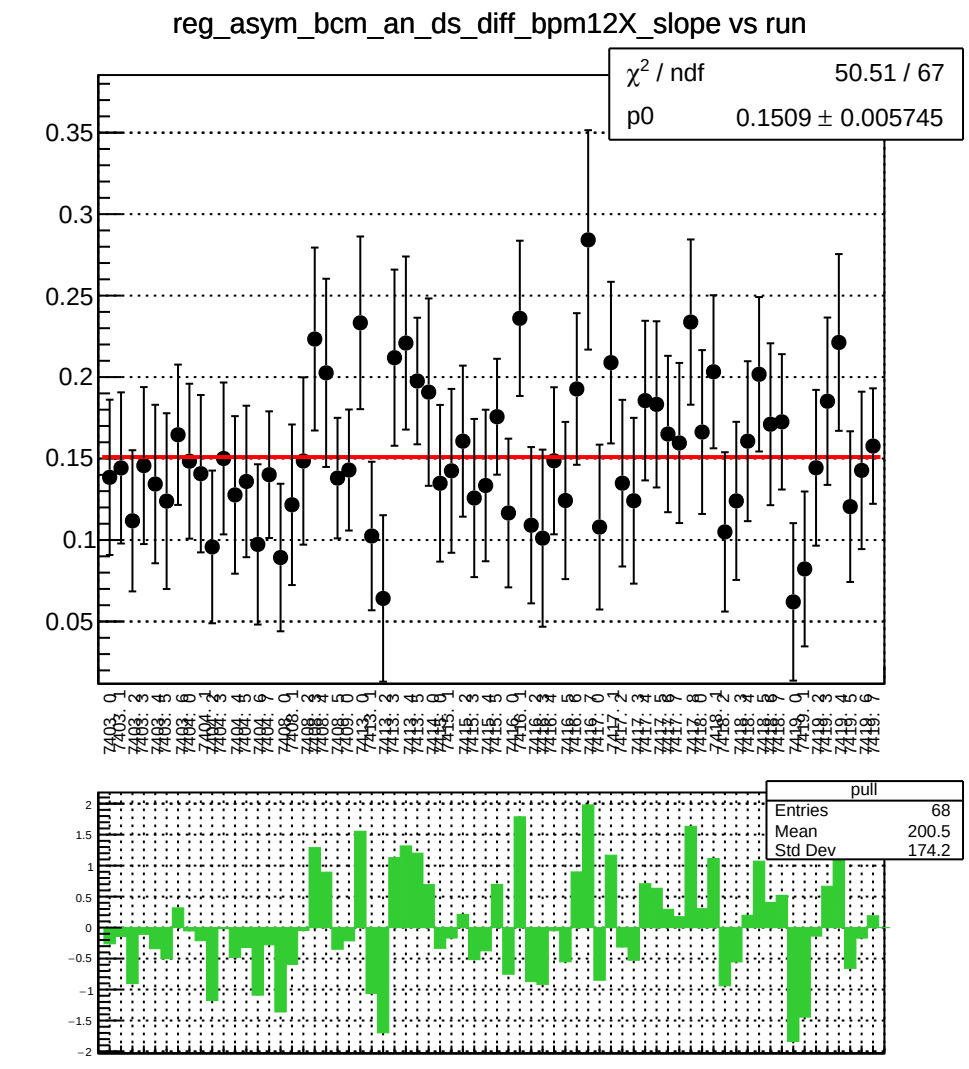

pull1D
Entries 68
Mean −0.06341
Std Dev 2.208

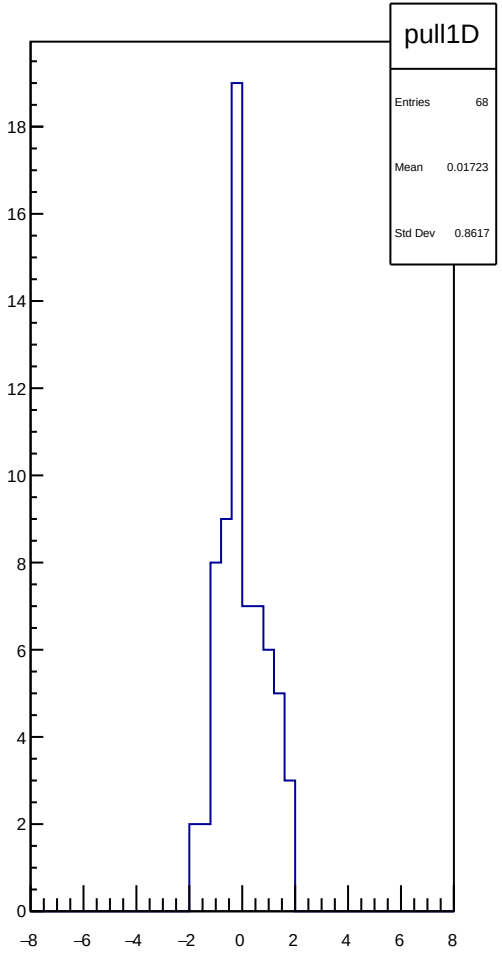

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 205.6 / 67
p0 −2.424 ± 0.1236
pull
Entries 68
Mean 141.8
Std Dev 125.3
pull1D
Entries 68
Mean −0.04442
Std Dev 1.738

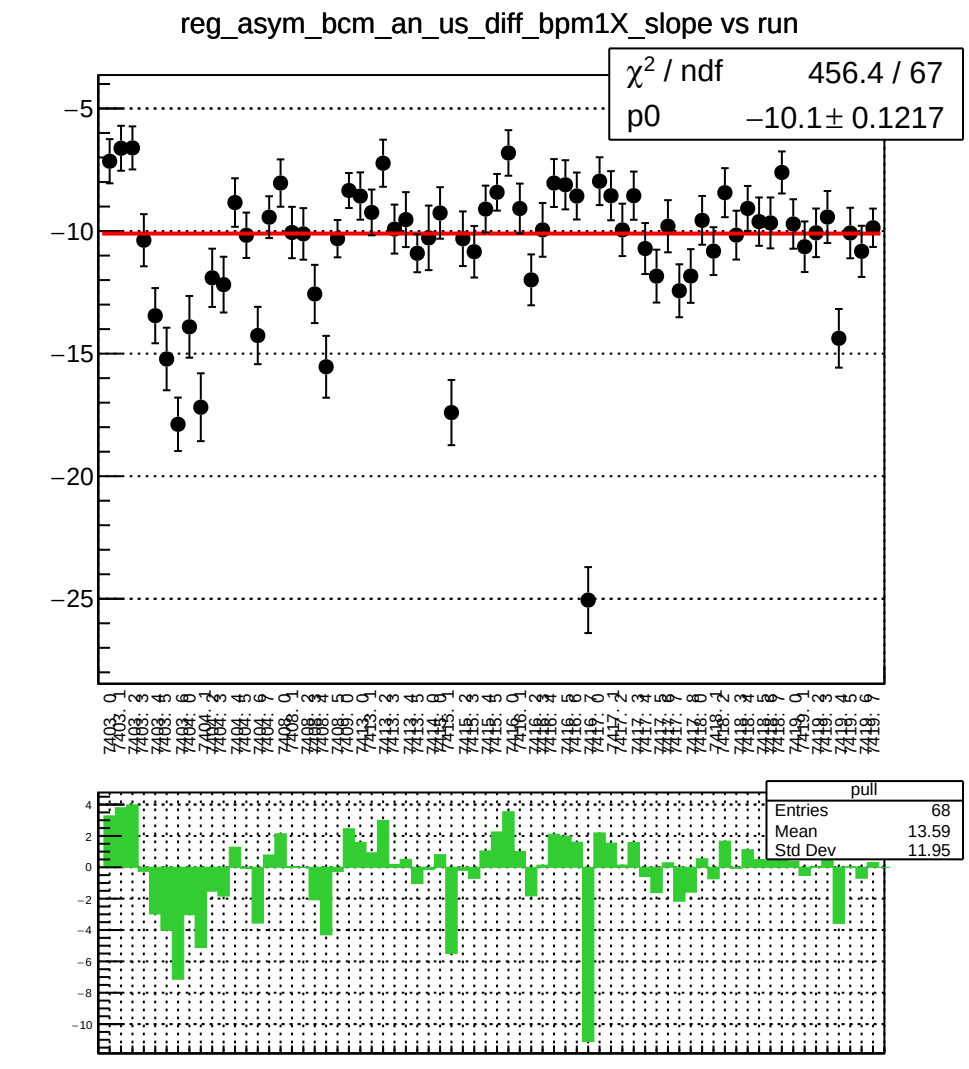

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 439.1 / 67
p0 10.38 ± 0.1261
pull
Entries 68
Mean 14.39
Std Dev 14.41

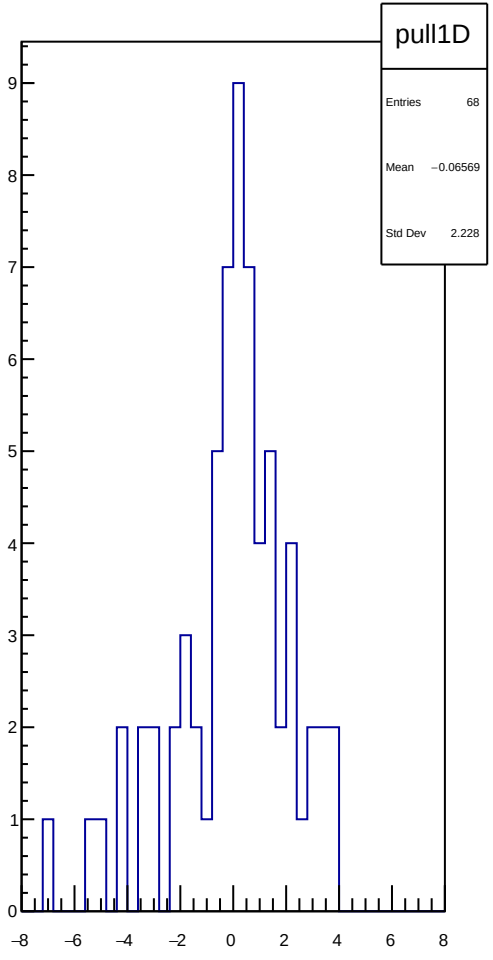

pull1D
Entries 68
Mean 0.06845
Std Dev 2.185

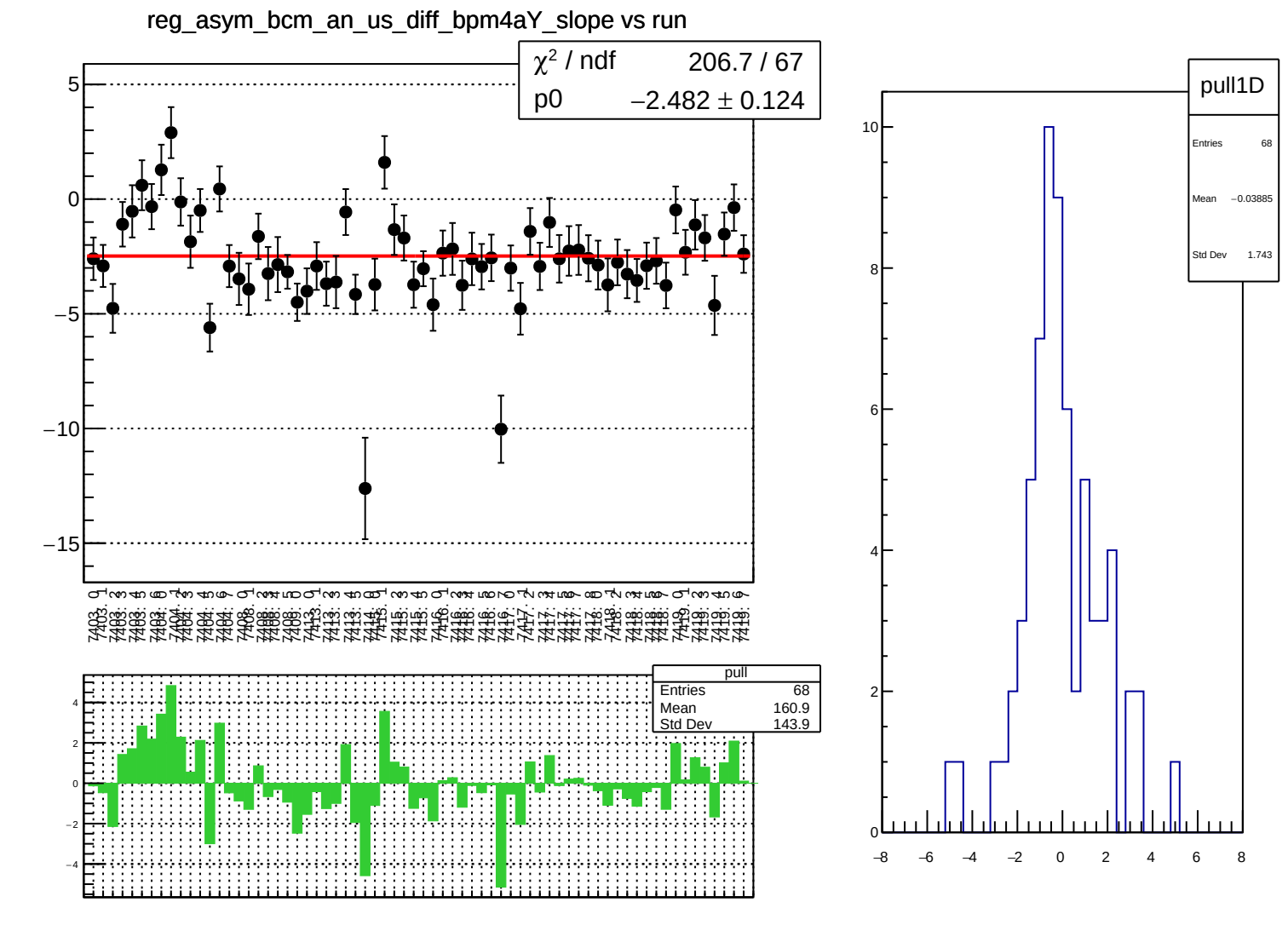

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 205.9 / 67
p0 1.861 ± 0.1306
pull
Entries 68
Mean 212.8
Std Dev 196.3
pull1D
Entries 68
Mean 0.02584
Std Dev 1.74

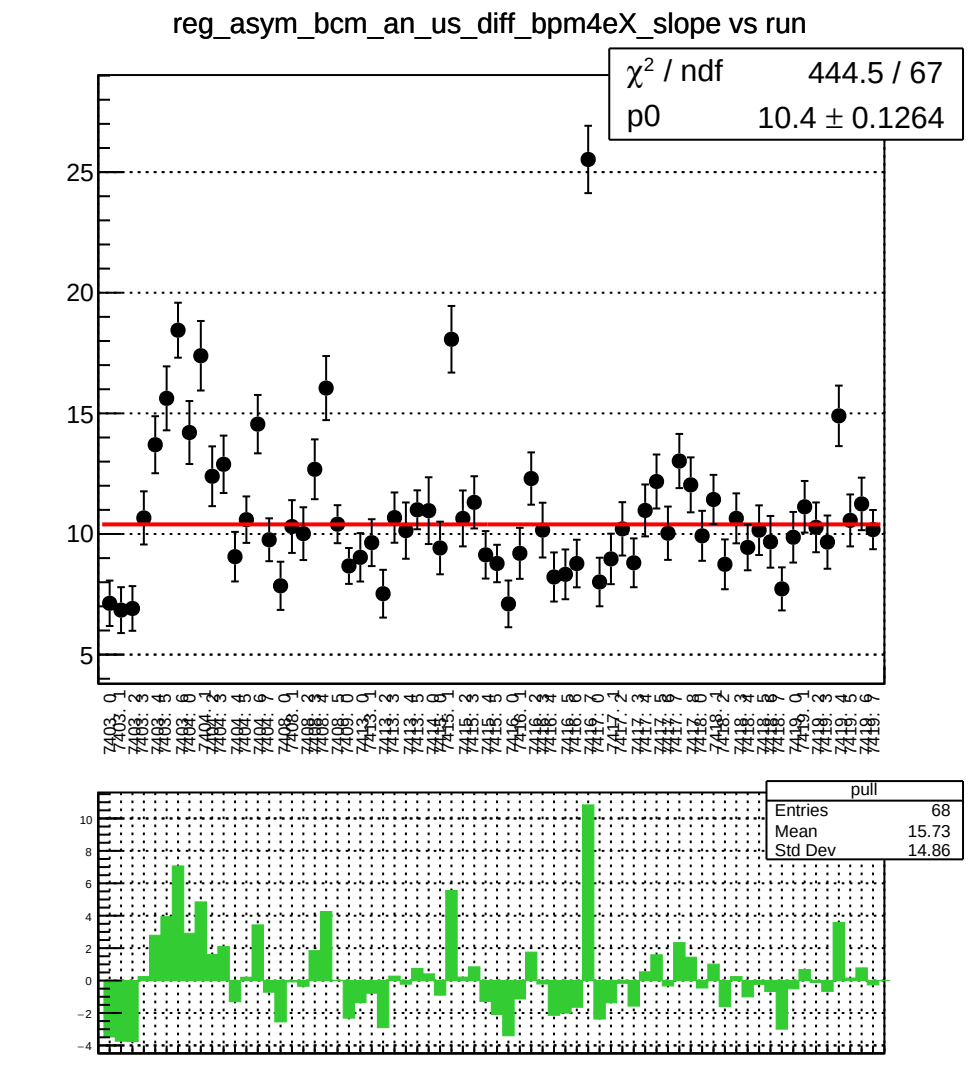

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 50.51 / 67
p0 0.1509 ± 0.005745
pull
Entries 68
Mean 200.5
Std Dev 174.2

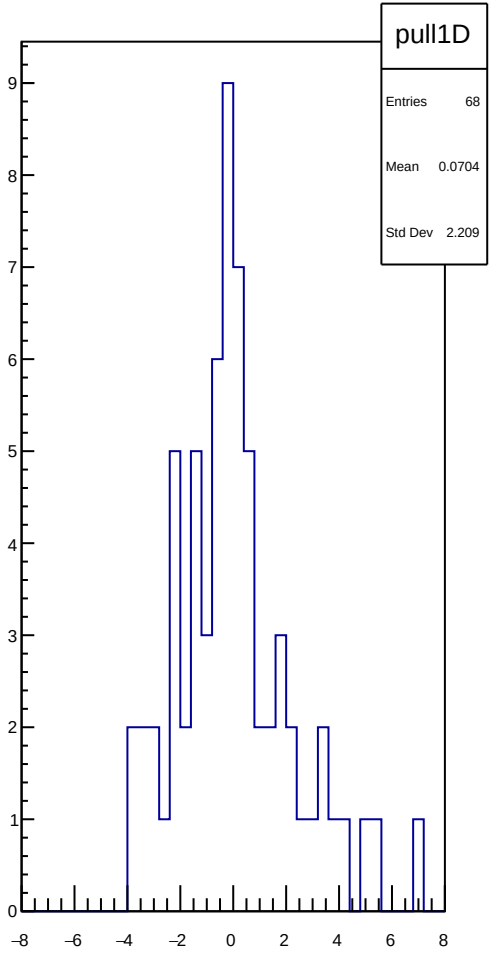

pull1D
Entries 68
Mean 0.01723
Std Dev 0.8617

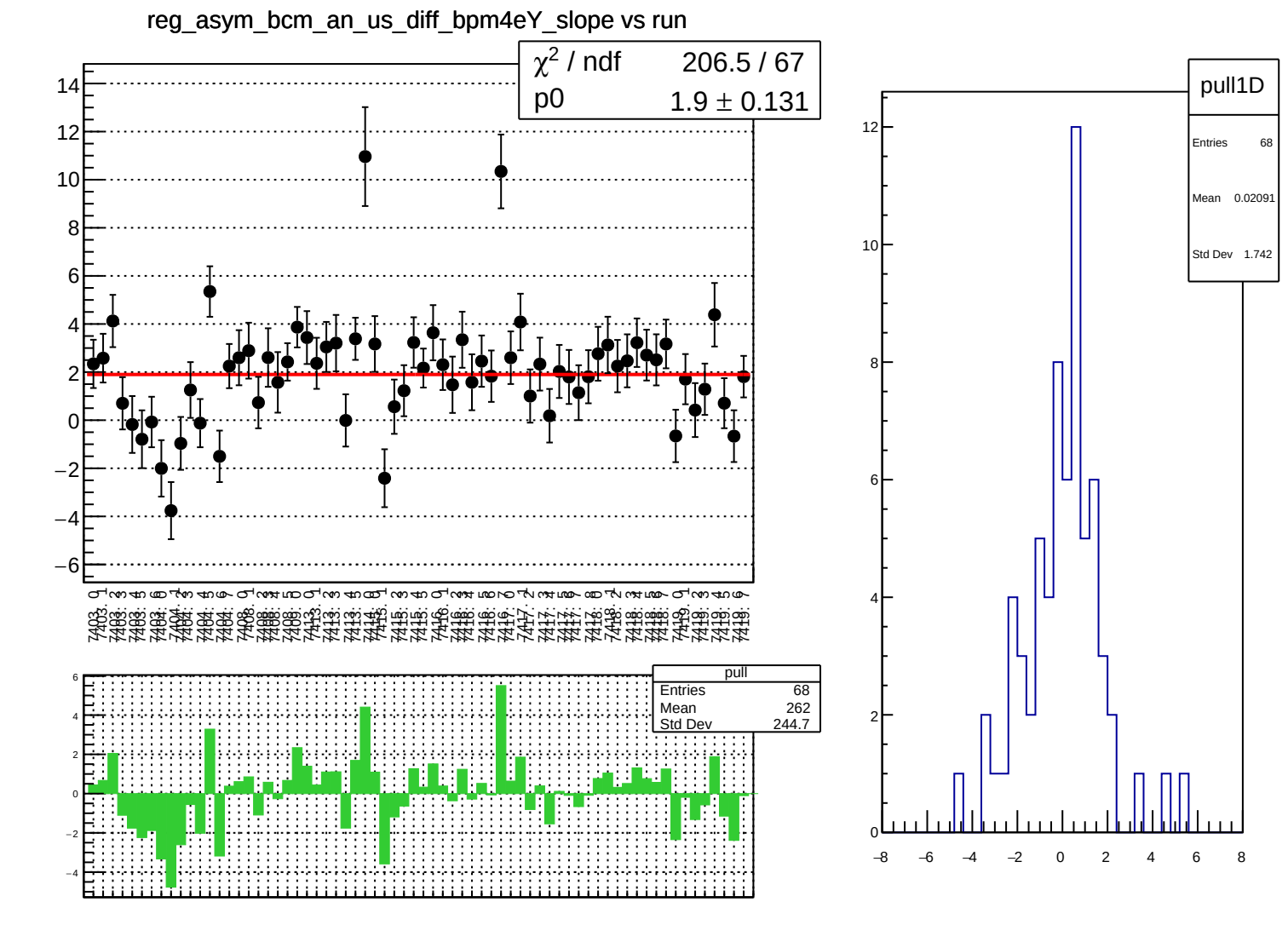

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 456.4 / 67
p0 −10.1 ± 0.1217
pull
Entries 68
Mean 13.59
Std Dev 11.95

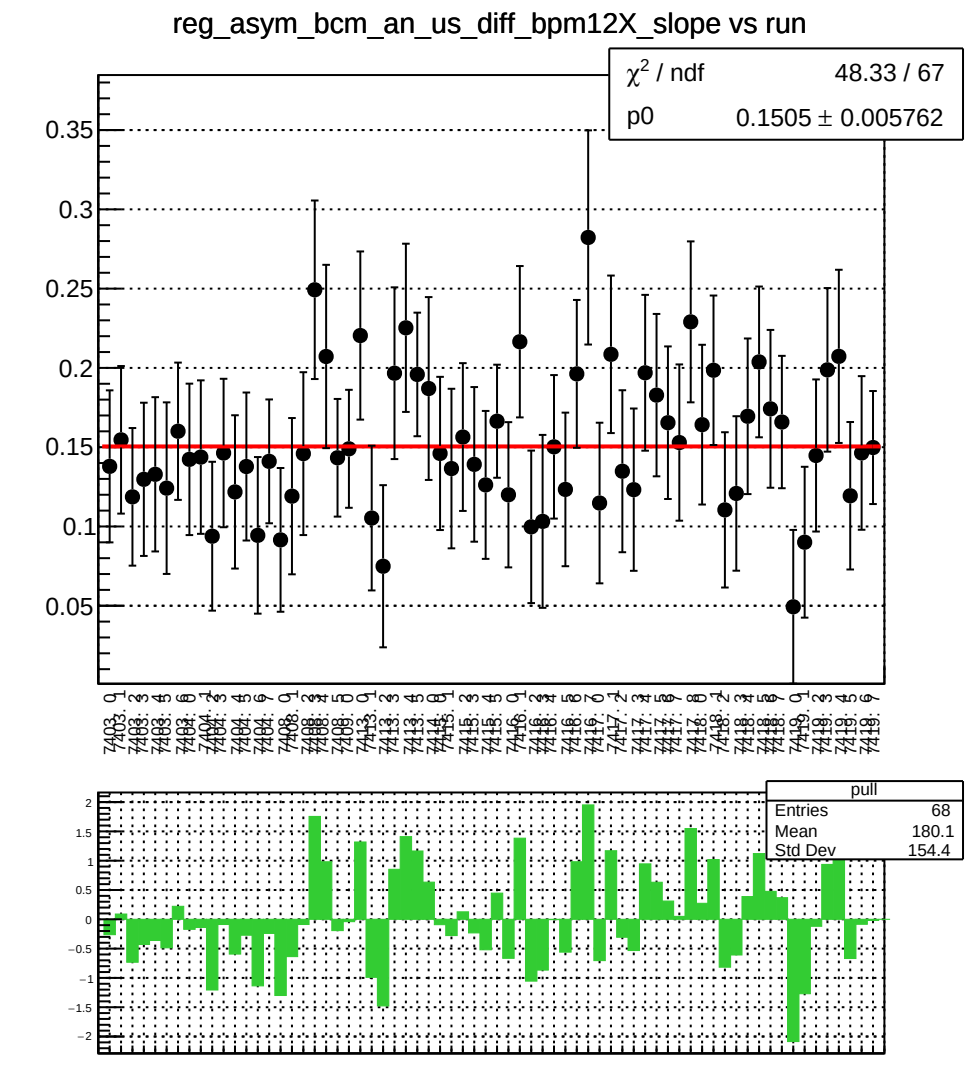

pull1D
Entries 68
Mean −0.06569
Std Dev 2.228

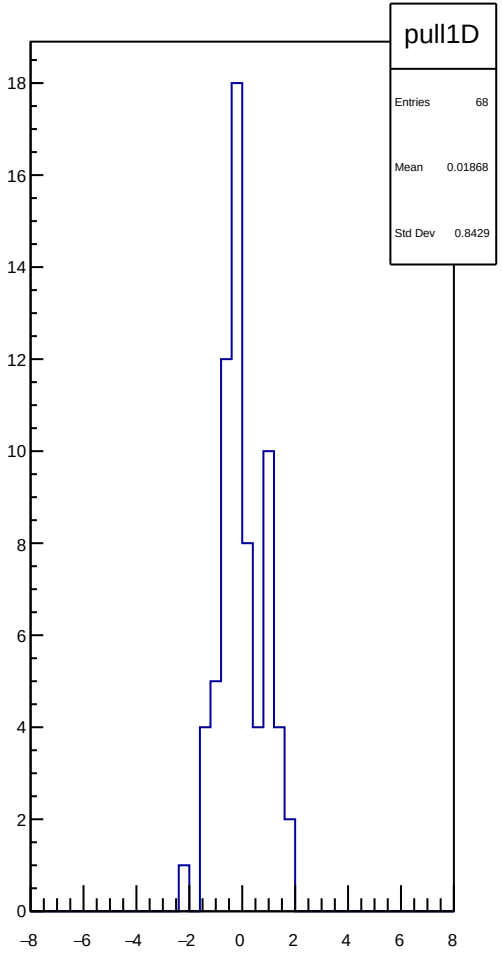

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 206.7 / 67
p0 −2.482 ± 0.124
pull
Entries 68
Mean 160.9
Std Dev 143.9
pull1D
Entries 68
Mean −0.03885
Std Dev 1.743

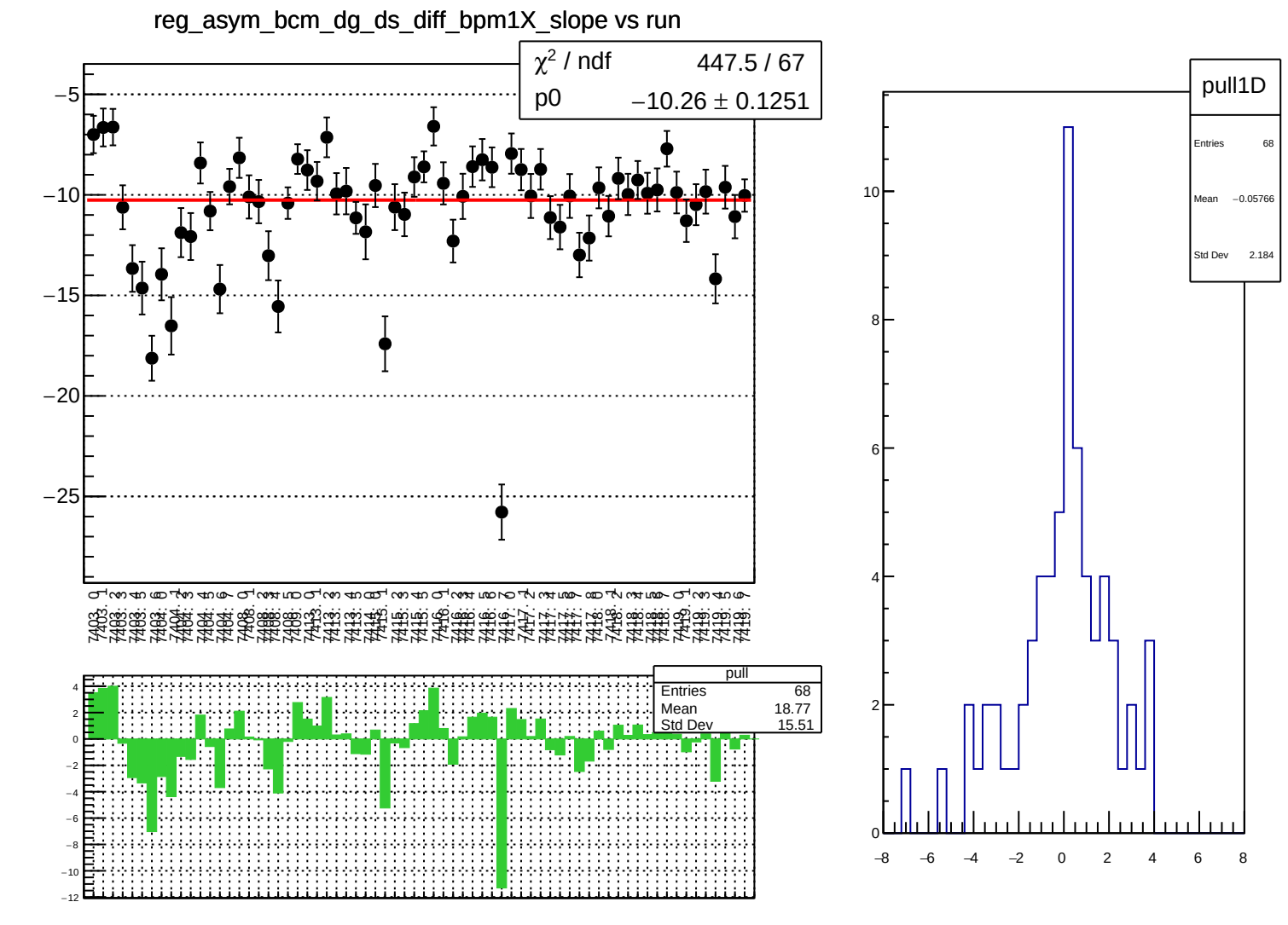

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 444.5 / 67
p0 10.4 ± 0.1264
pull
Entries 68
Mean 15.73
Std Dev 14.86

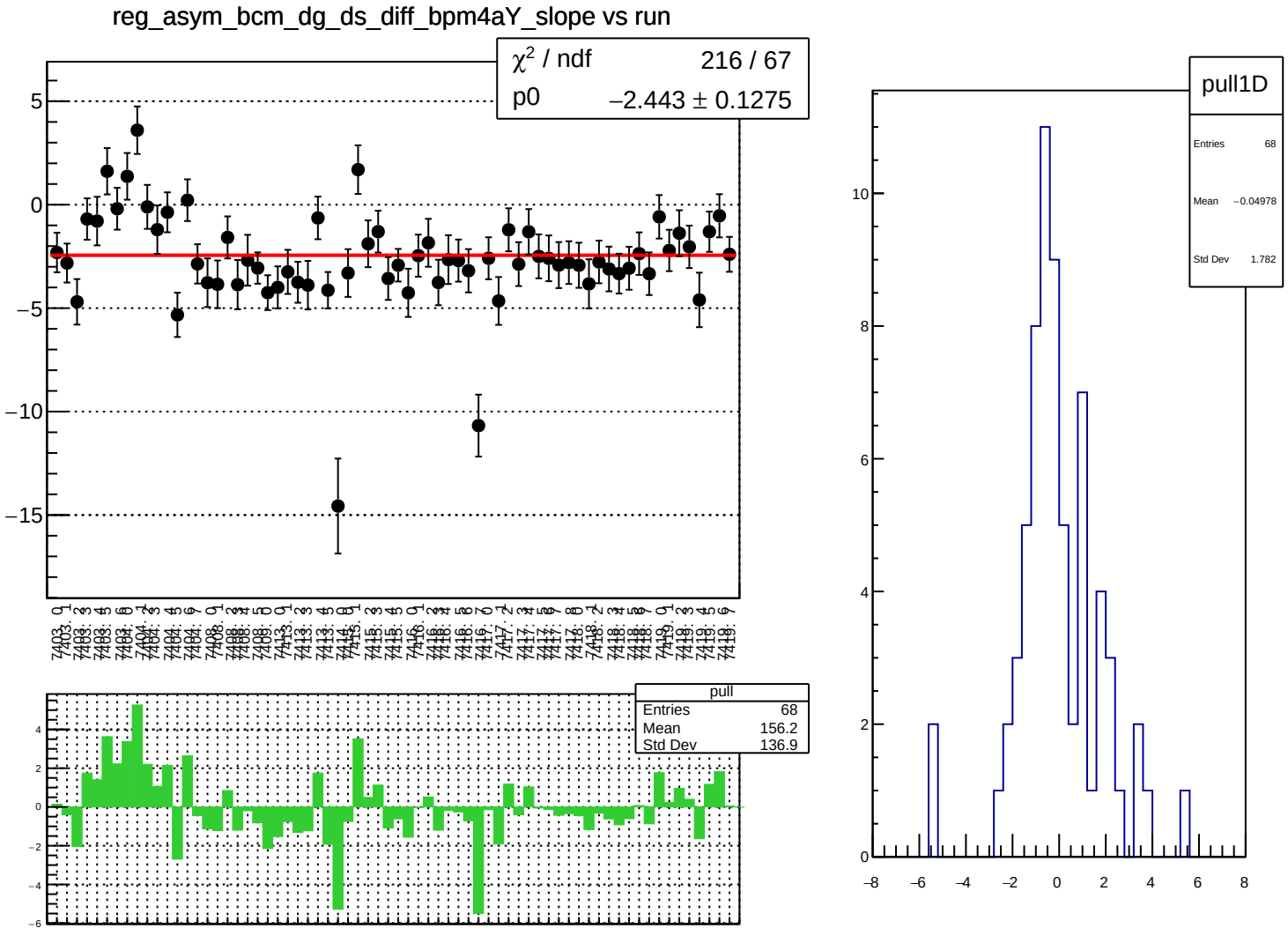

pull1D
Entries 68
Mean 0.0704
Std Dev 2.209

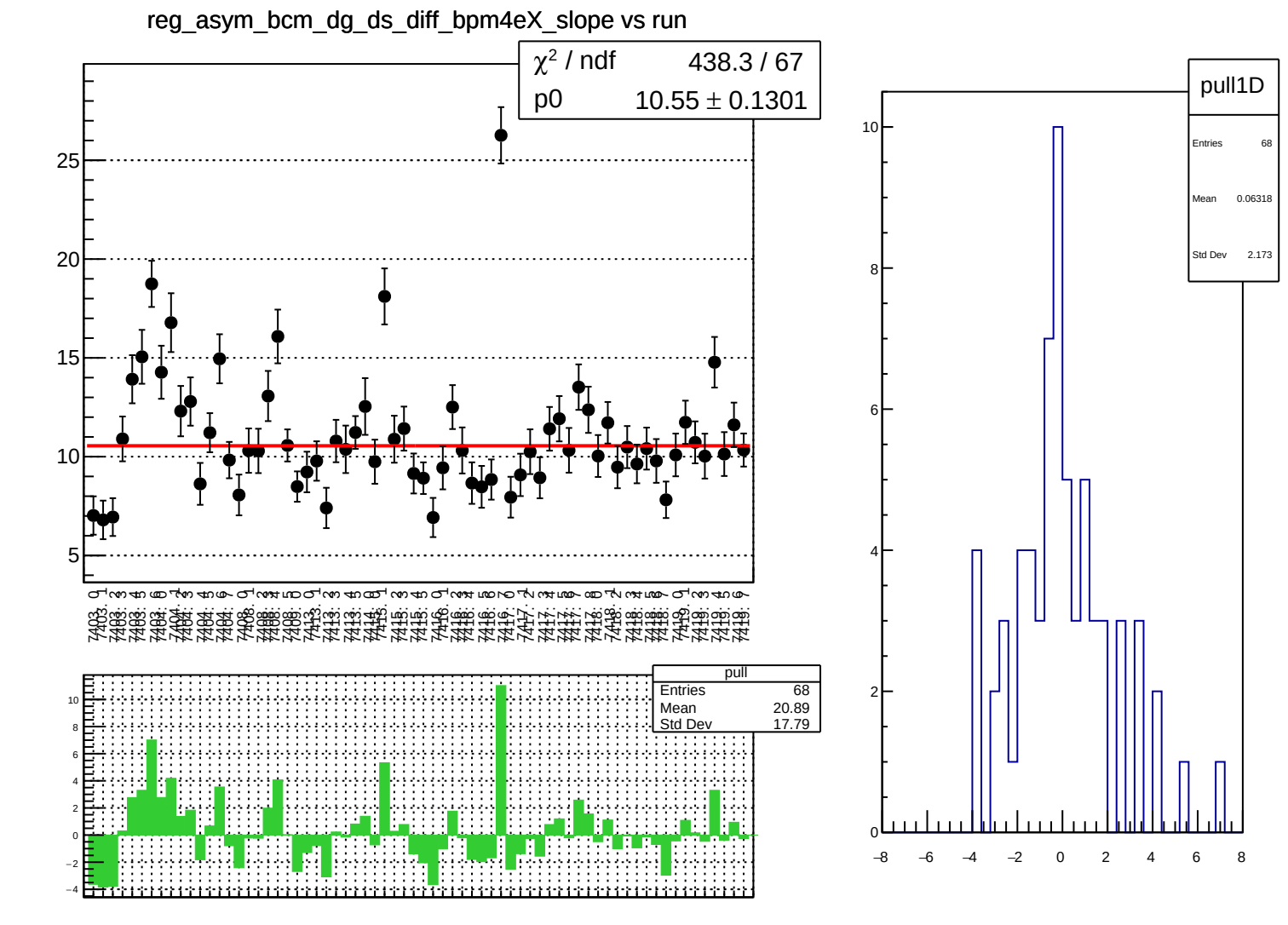

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 206.5 / 67
p0 1.9 ± 0.131
pull
Entries 68
Mean 262
Std Dev 244.7
pull1D
Entries 68
Mean 0.02091
Std Dev 1.742

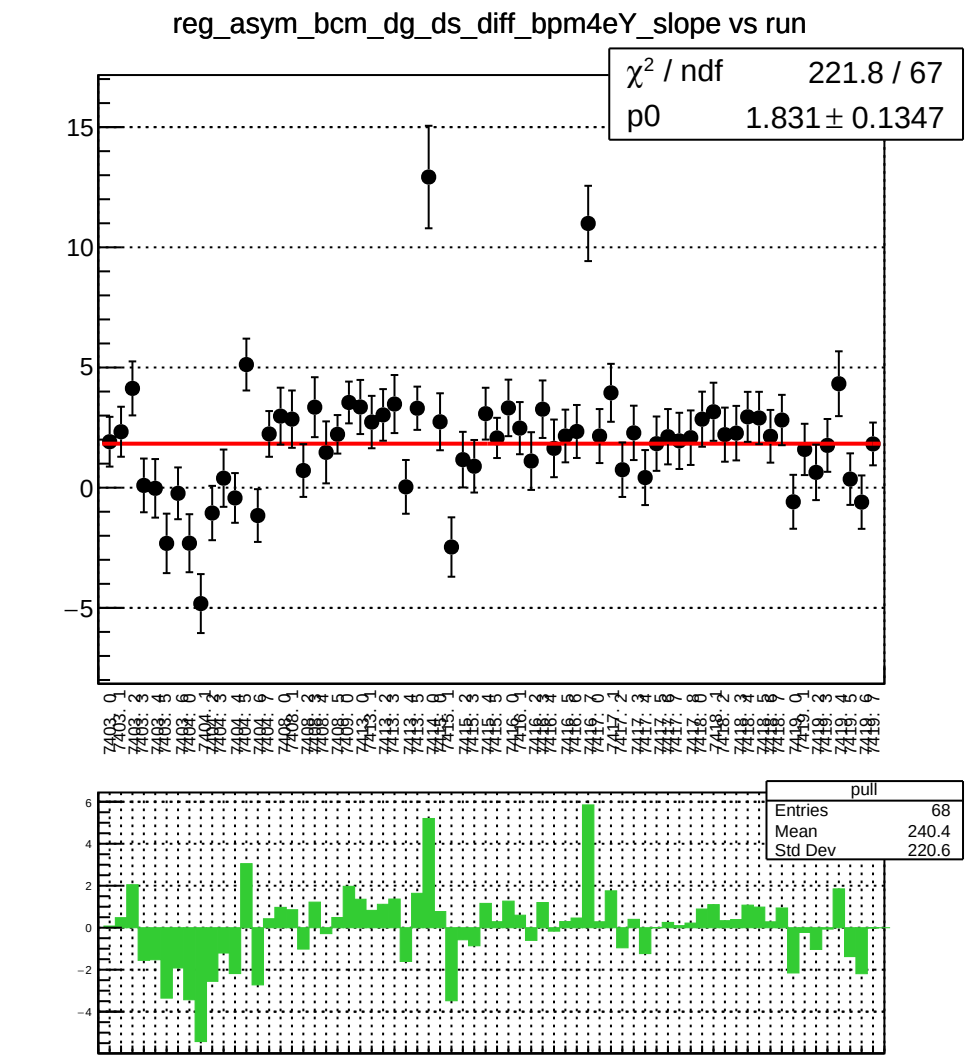

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 48.33 / 67
p0 0.1505 ± 0.005762
pull
Entries 68
Mean 180.1
Std Dev 154.4

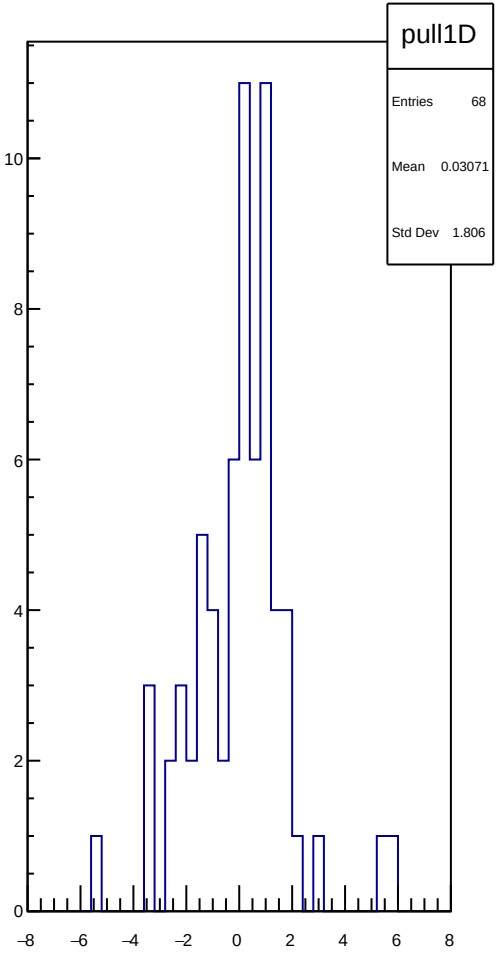

pull1D
Entries 68
Mean 0.01868
Std Dev 0.8429

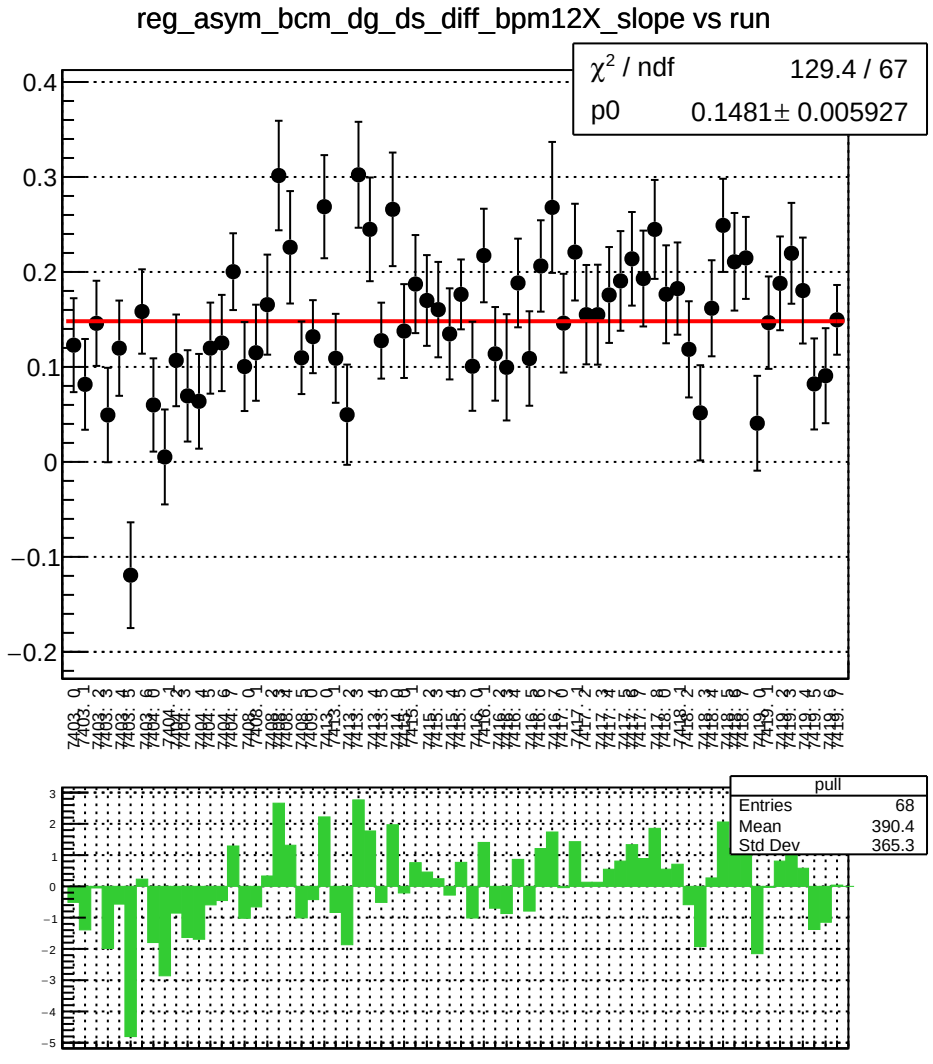

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 447.5 / 67
p0 −10.26 ± 0.1251
pull
Entries 68
Mean 18.77
Std Dev 15.51
pull1D
Entries 68
Mean −0.05766
Std Dev 2.184

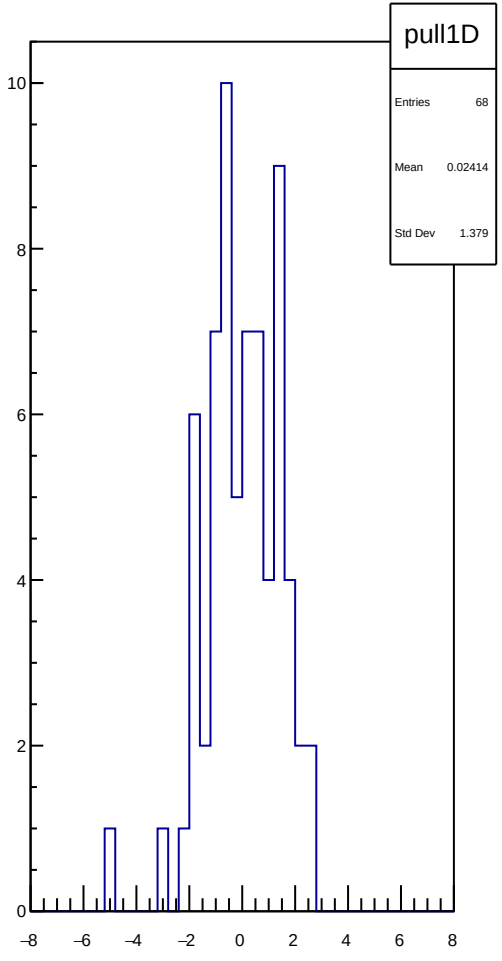

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 216 / 67
p0 −2.443 ± 0.1275
pull
Entries 68
Mean 156.2
Std Dev 136.9
pull1D
Entries 68
Mean −0.04978
Std Dev 1.782

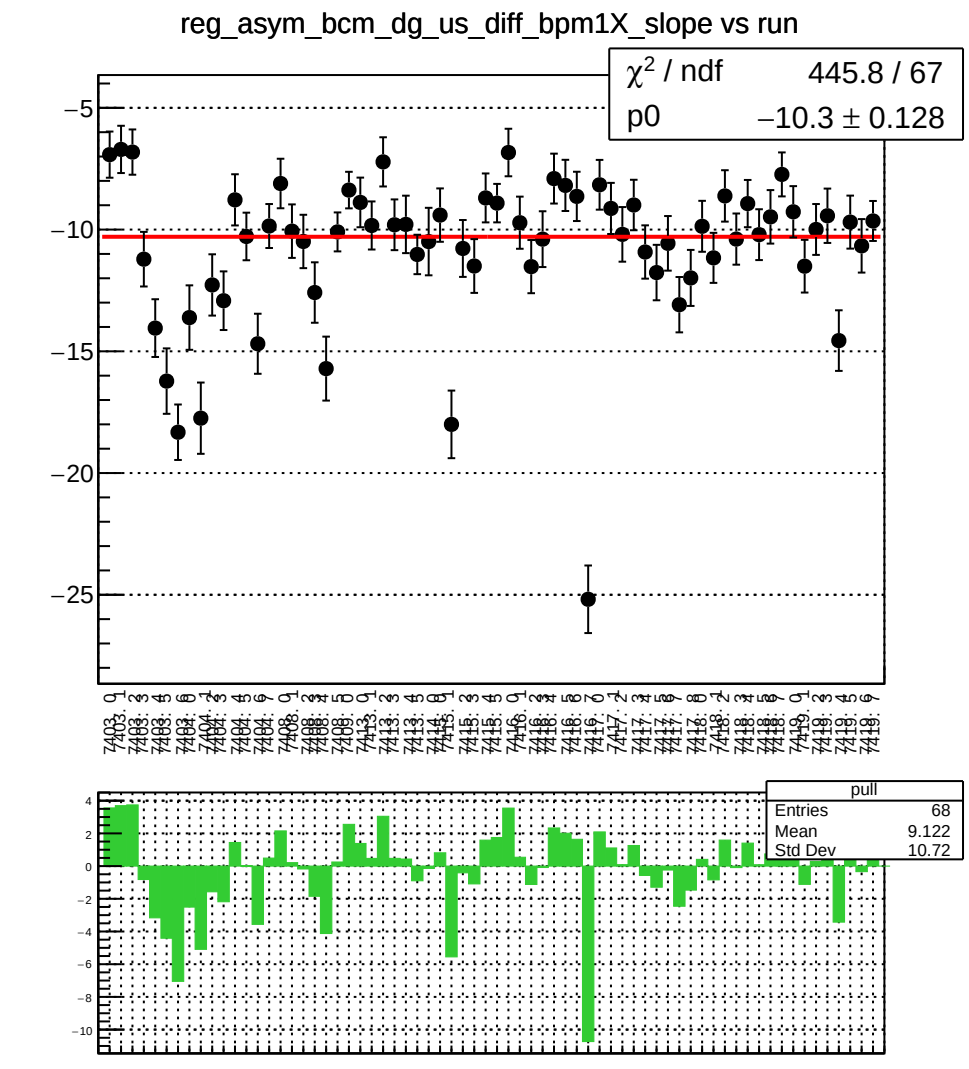

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 438.3 / 67
p0 10.55 ± 0.1301
pull
Entries 68
Mean 20.89
Std Dev 17.79
pull1D
Entries 68
Mean 0.06318
Std Dev 2.173

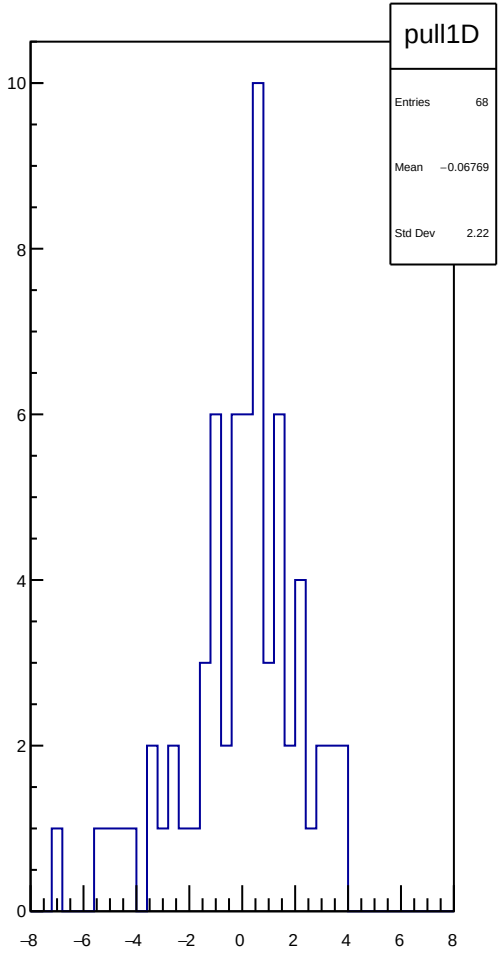

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 221.8 / 67
p0 1.831 ± 0.1347
pull
Entries 68
Mean 240.4
Std Dev 220.6

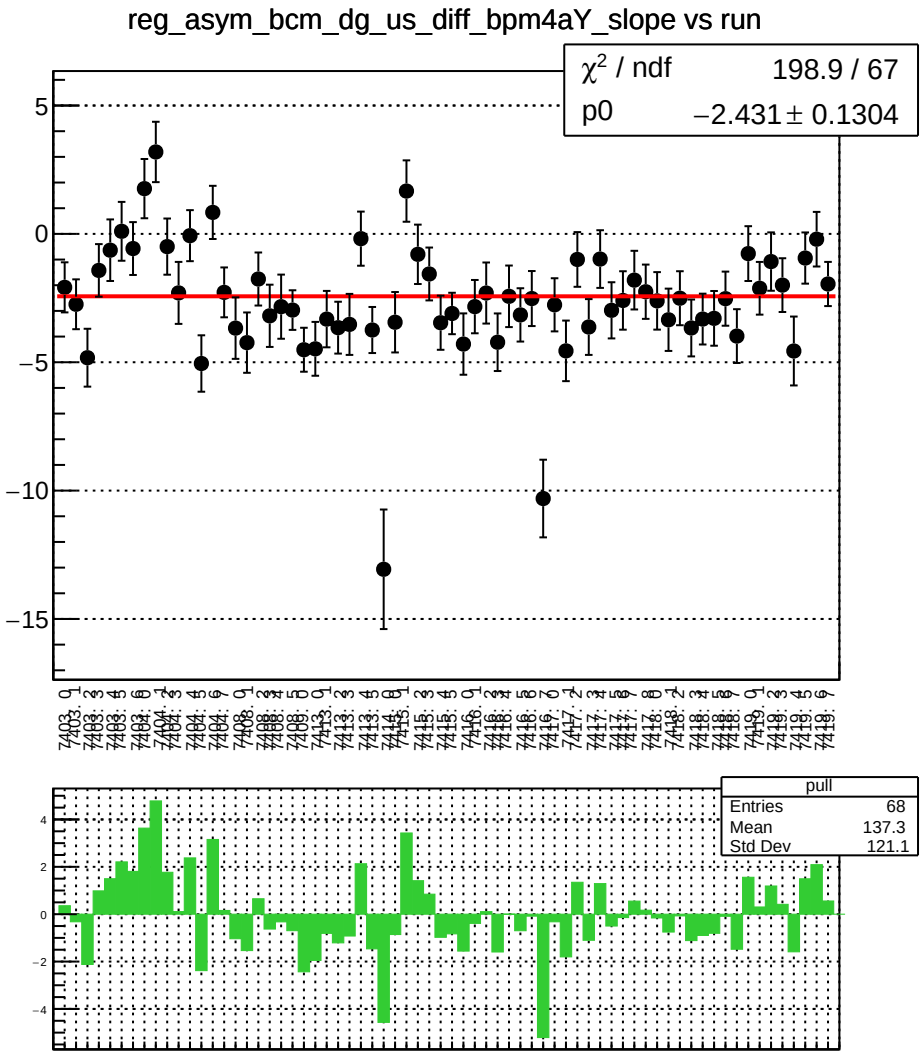

pull1D
Entries 68
Mean 0.03071
Std Dev 1.806

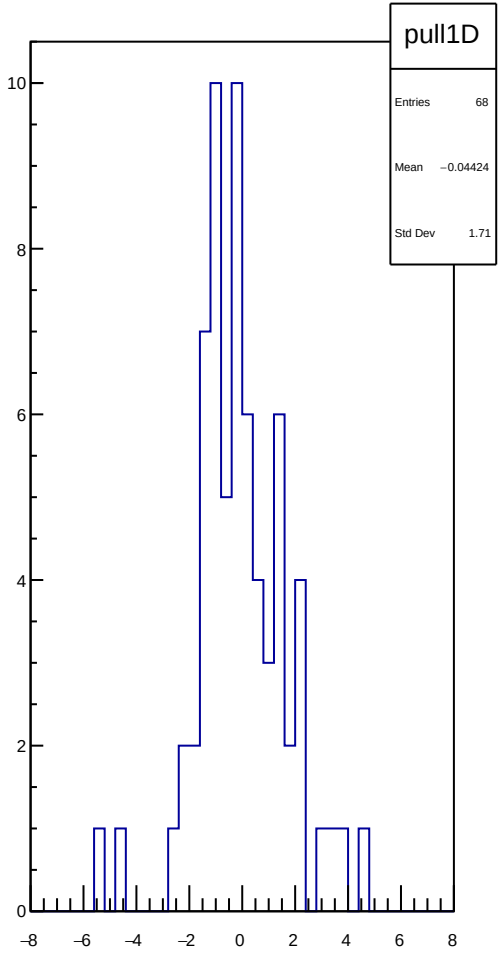

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 129.4 / 67
p0 0.1481± 0.005927
pull
Entries 68
Mean 390.4
Std Dev 365.3

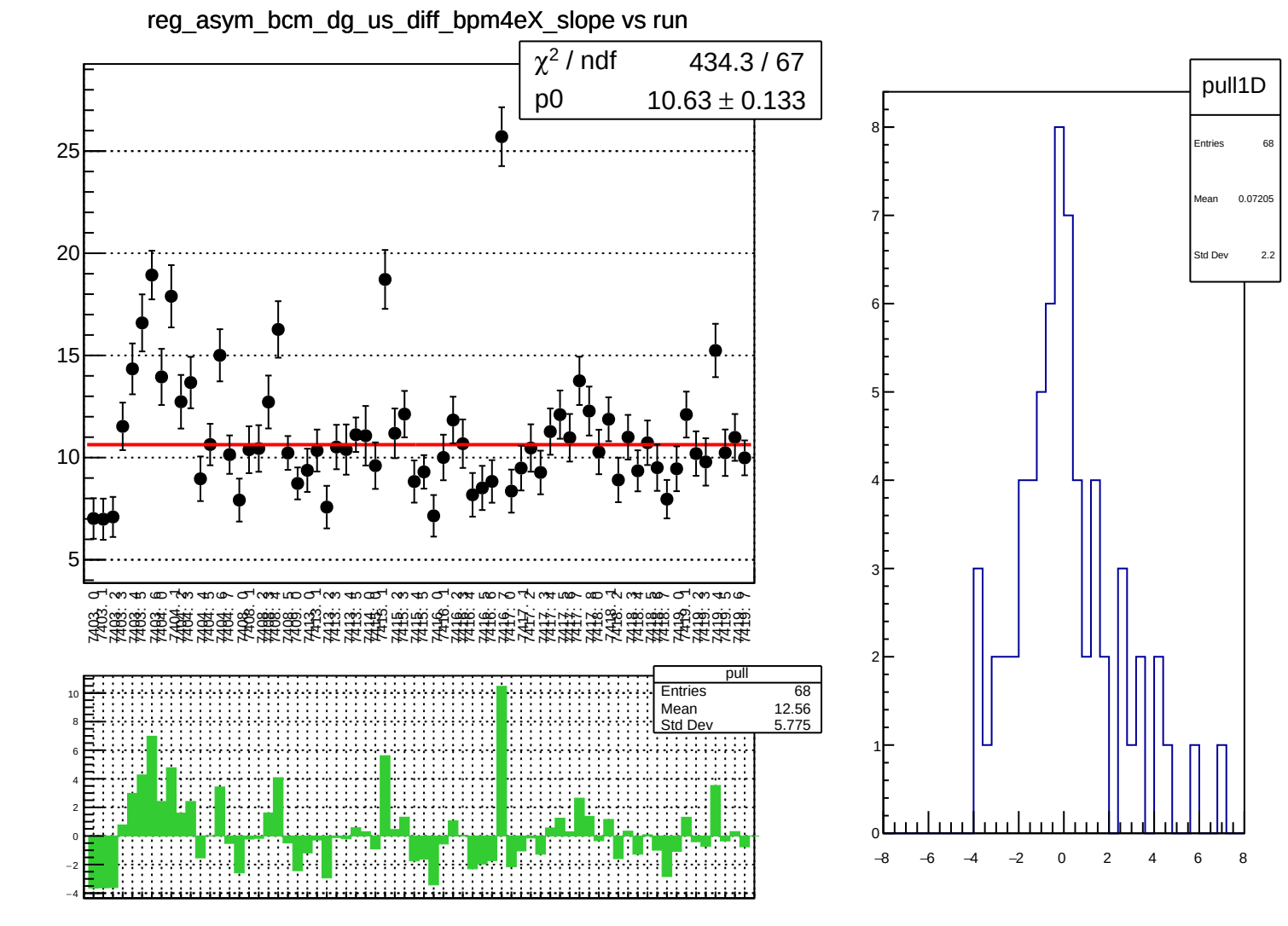

pull1D
Entries 68
Mean 0.02414
Std Dev 1.379

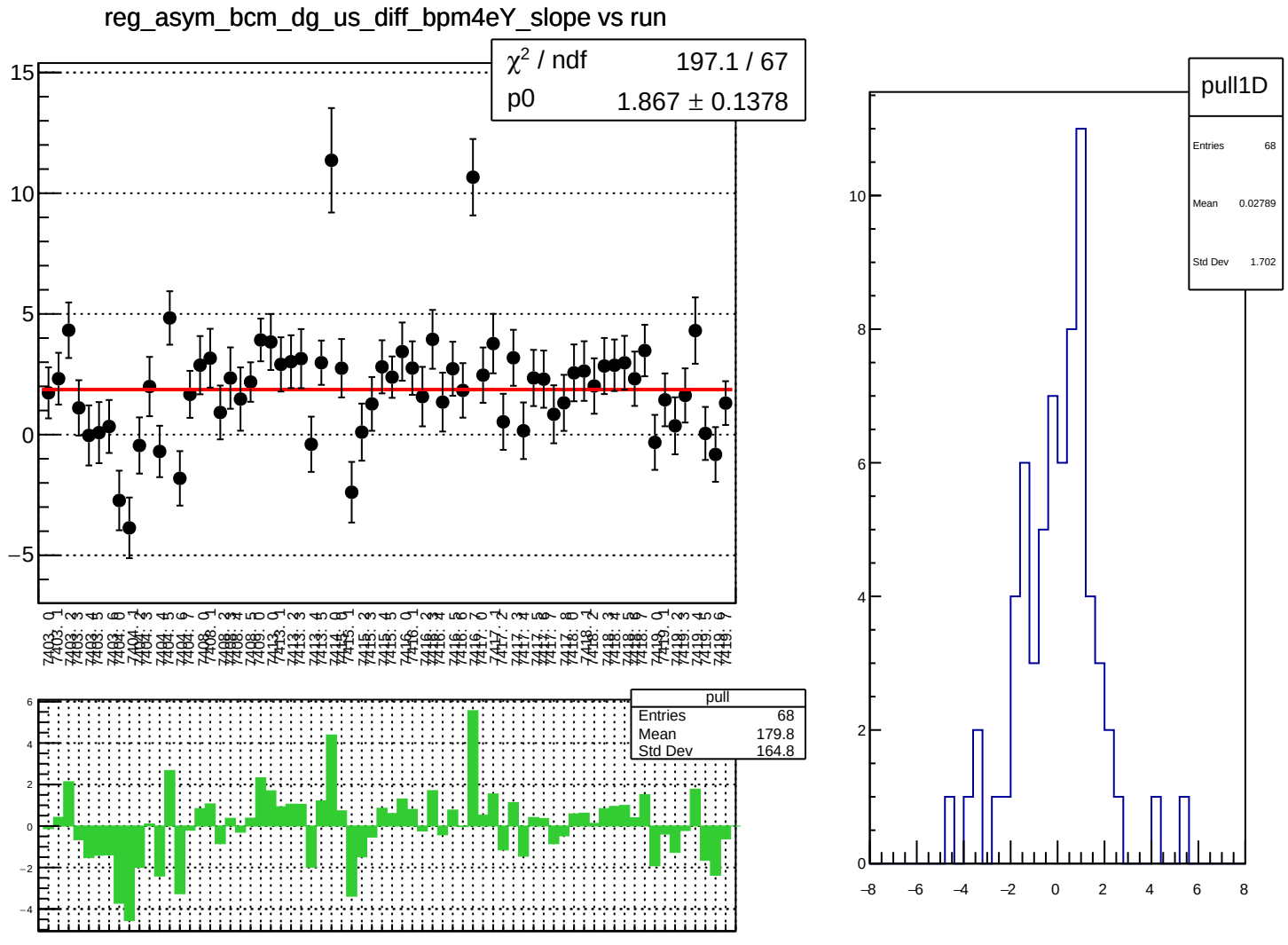

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 445.8 / 67
p0 −10.3 ± 0.128
pull
Entries 68
Mean 9.122
Std Dev 10.72

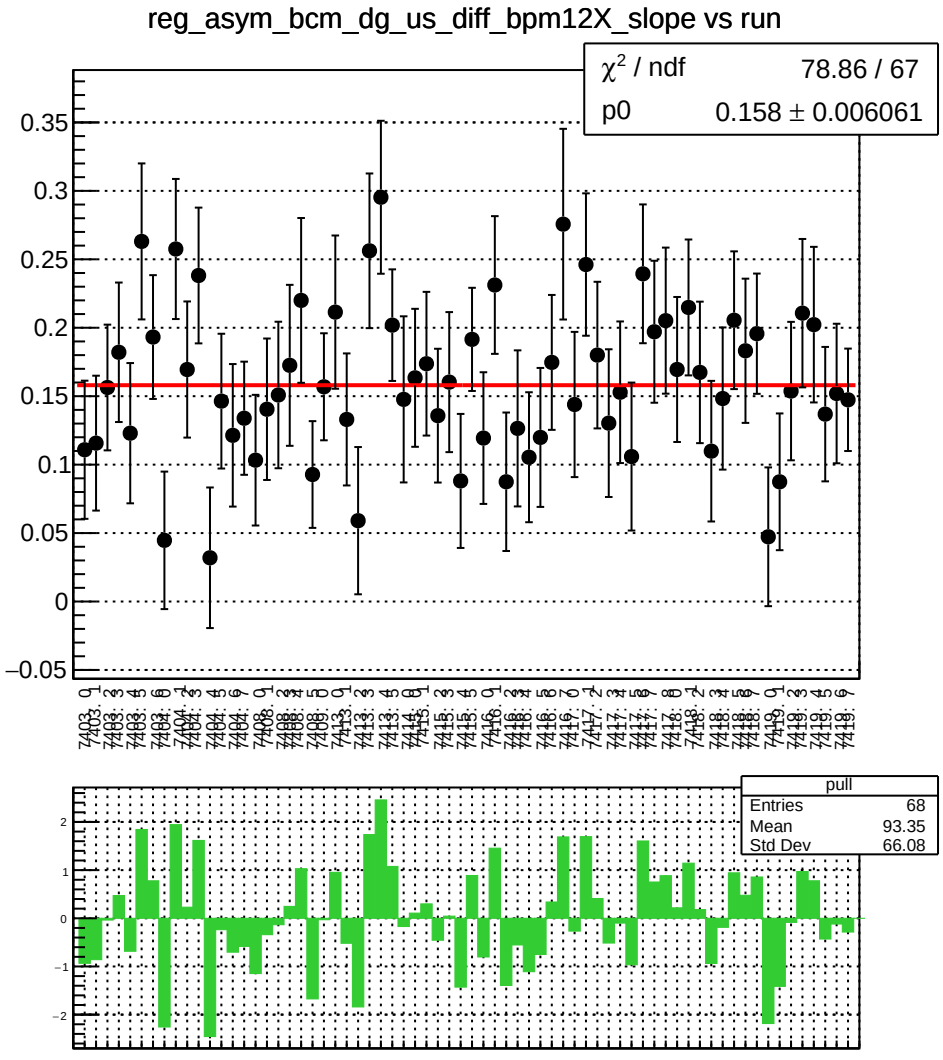

pull1D
Entries 68
Mean −0.06769
Std Dev 2.22

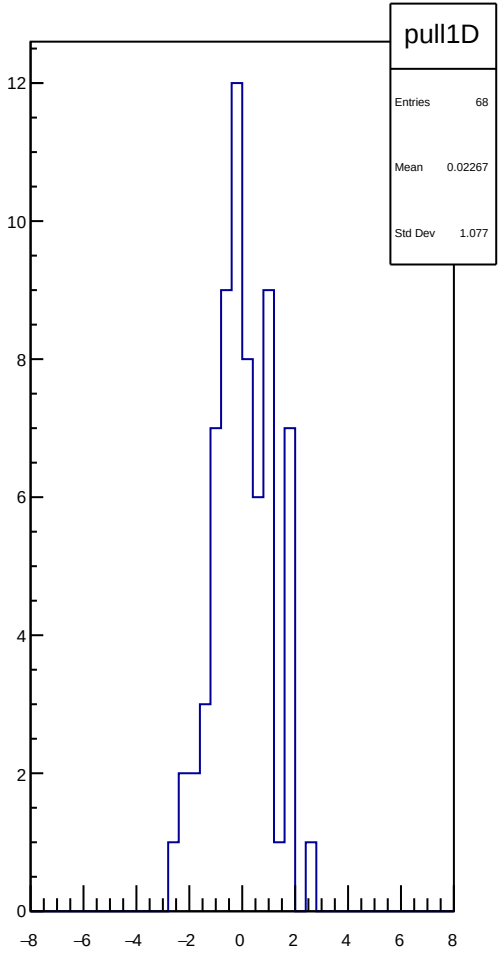

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 198.9 / 67
p0 −2.431 ± 0.1304
pull
Entries 68
Mean 137.3
Std Dev 121.1


pull1D
Entries 68
Mean −0.04424
Std Dev 1.71


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 434.3 / 67
p0 10.63 ± 0.133
pull
Entries 68
Mean 12.56
Std Dev 5.775
pull1D
Entries 68
Mean 0.07205
Std Dev 2.2


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 197.1 / 67
p0 1.867 ± 0.1378
pull
Entries 68
Mean 179.8
Std Dev 164.8
pull1D
Entries 68
Mean 0.02789
Std Dev 1.702


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 78.86 / 67
p0 0.158 ± 0.006061
pull
Entries 68
Mean 93.35
Std Dev 66.08


pull1D
Entries 68
Mean 0.02267
Std Dev 1.077