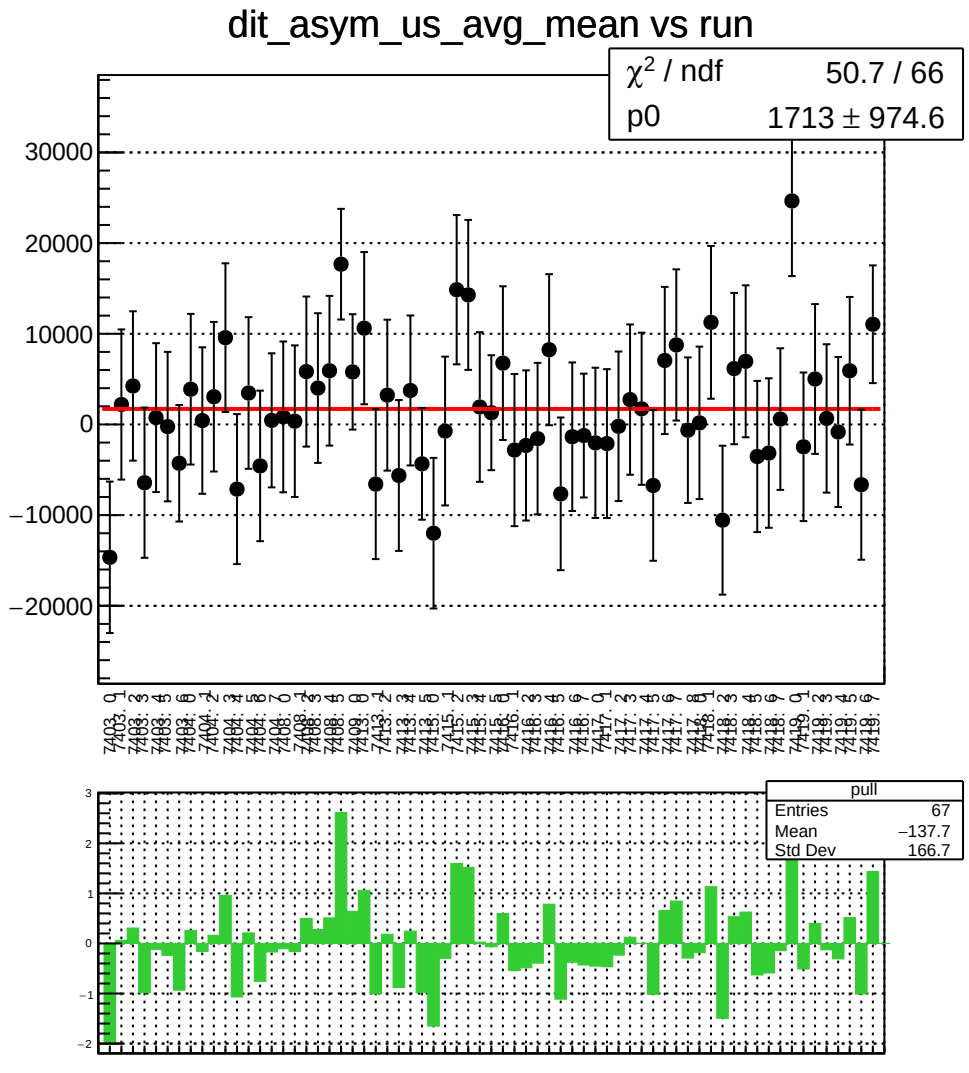
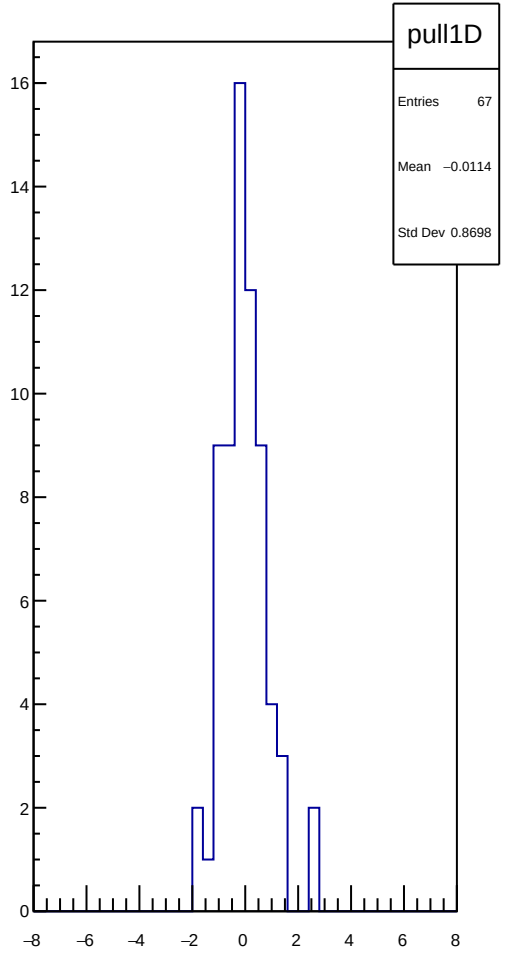
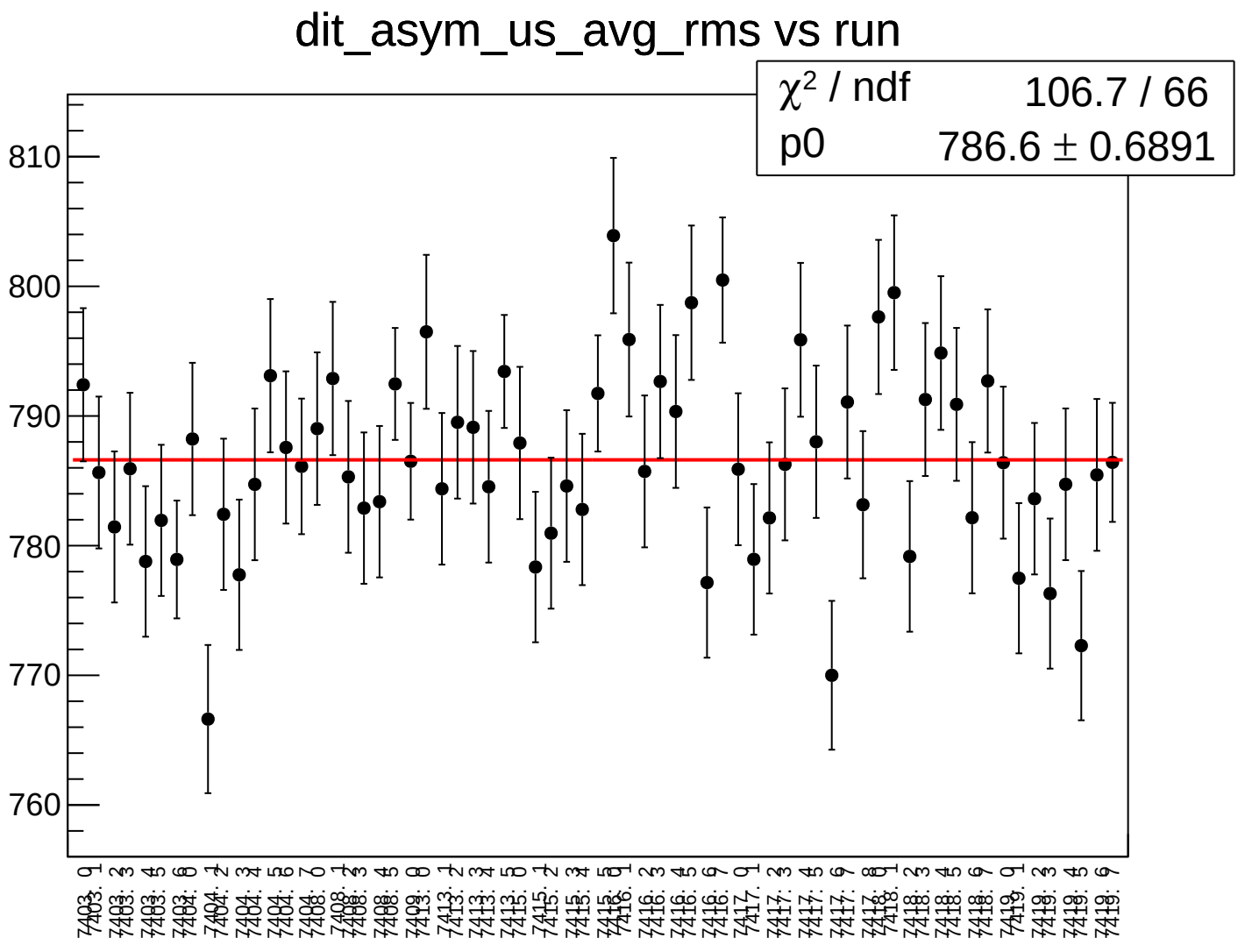
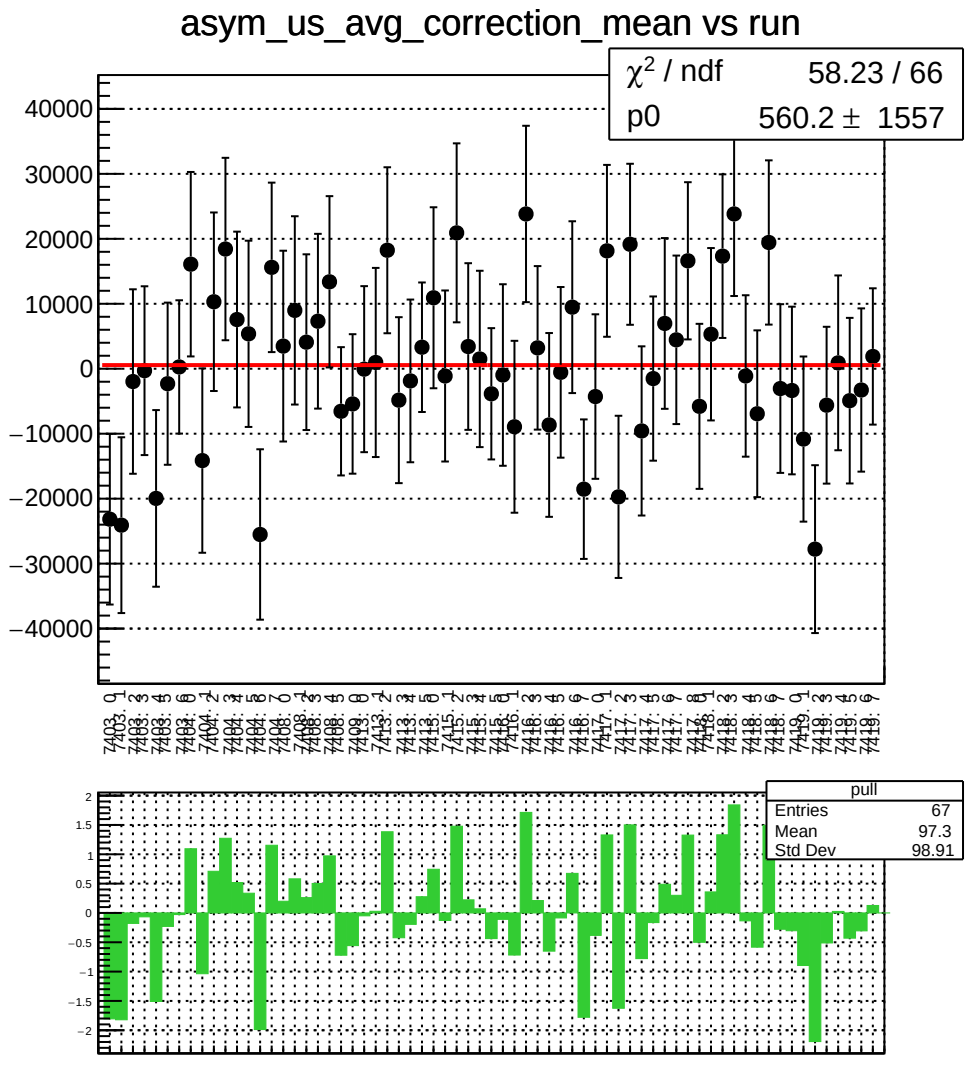
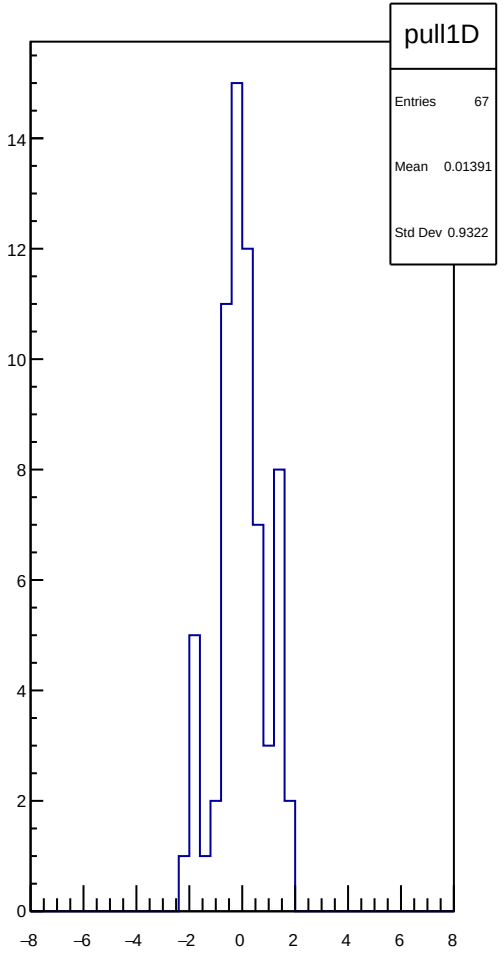
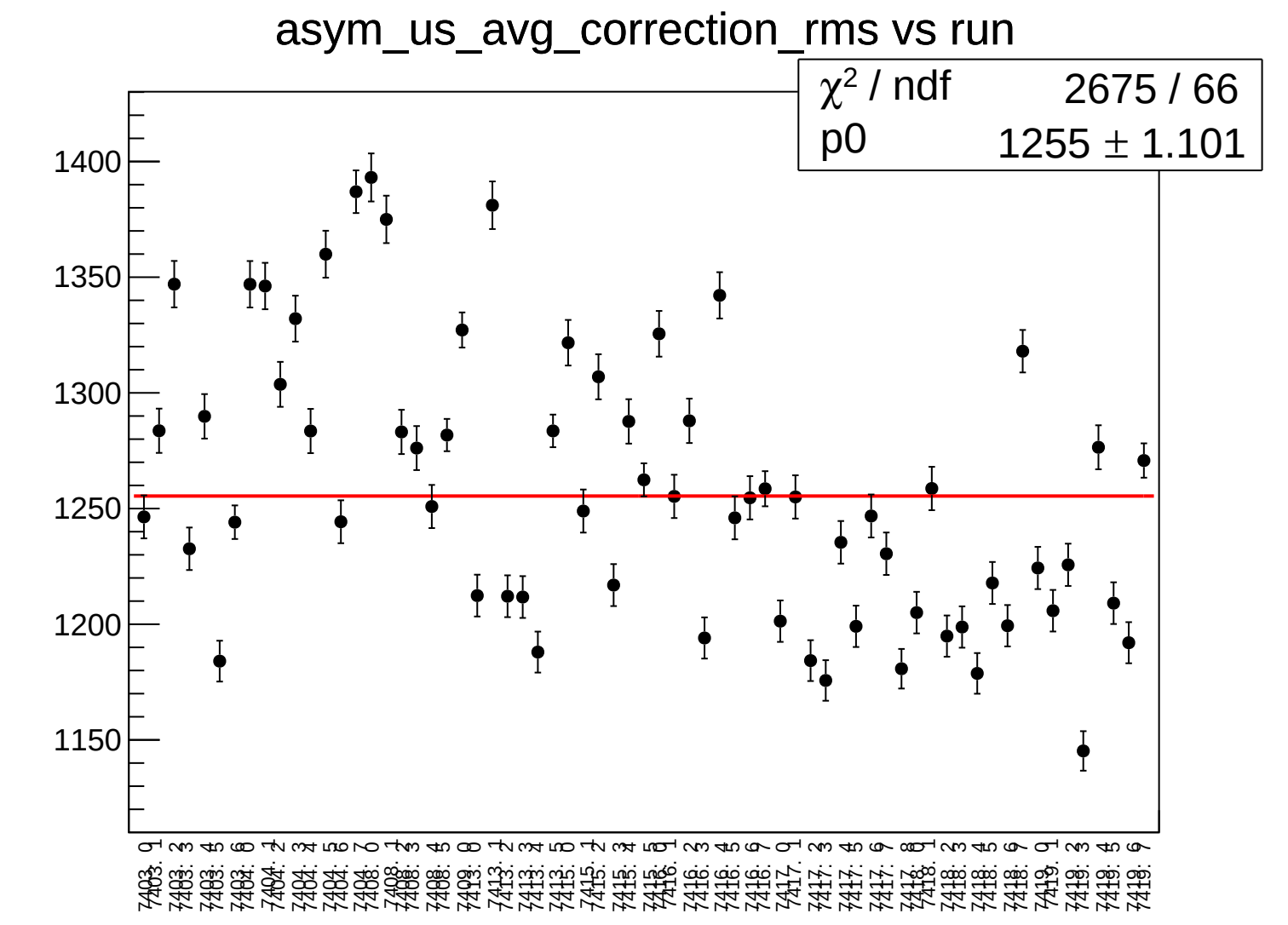

dit_asym_us_avg_mean vs run
χ² / ndf 50.7 / 66
p0 1713 ± 974.6
30000
20000
10000
0
−10000
−20000
pull
Entries 67
Mean −137.7
Std Dev 166.7
3
2
1
0
−1
−2

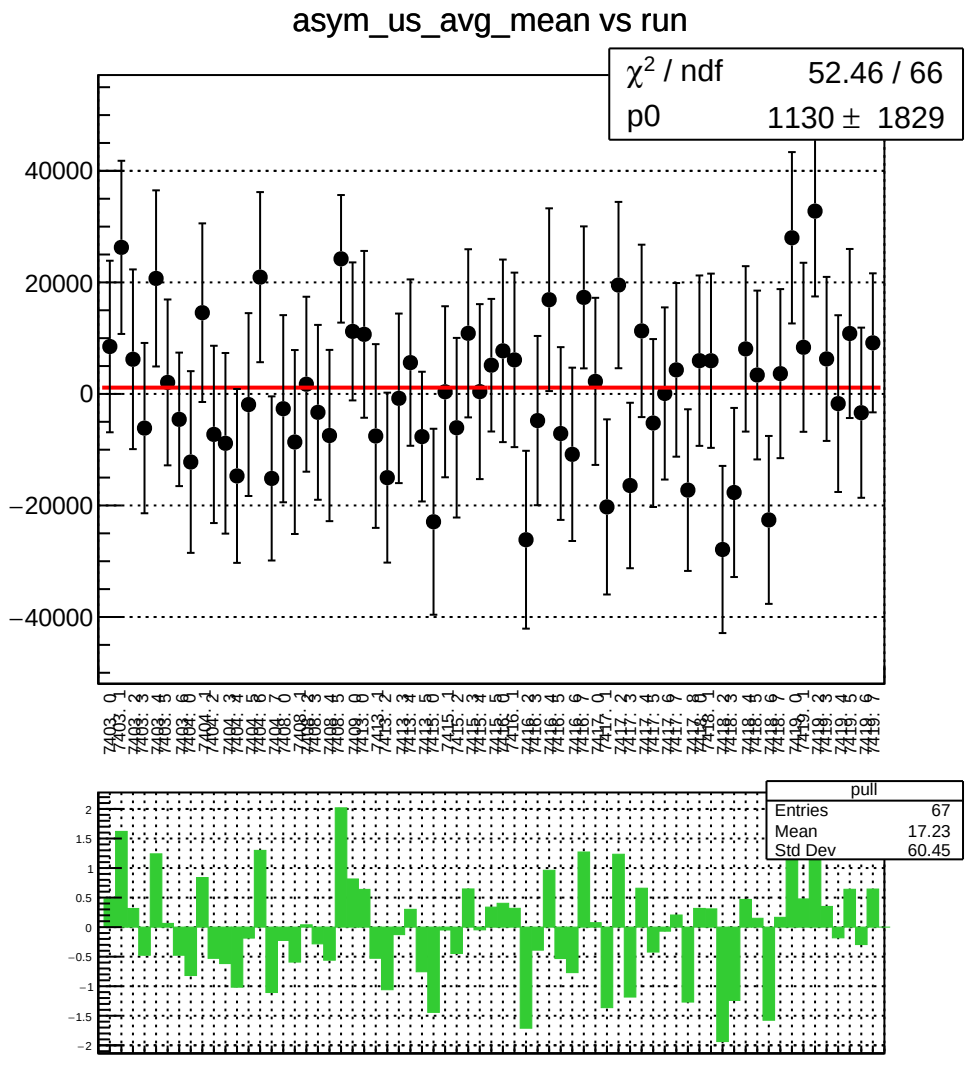

pull1D
Entries 67
Mean −0.0114
Std Dev 0.8698
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

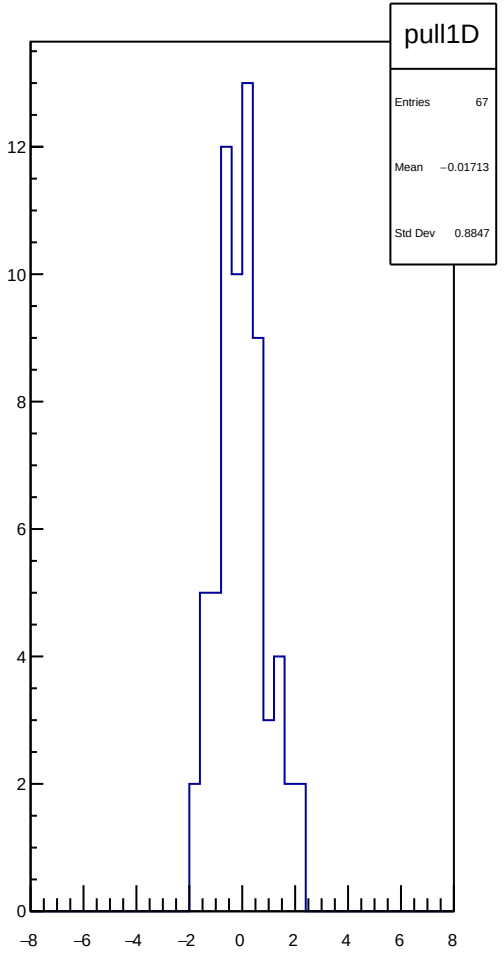

dit_asym_us_avg_rms vs run
χ² / ndf 106.7 / 66
p0 786.6 ± 0.6891
810
800
790
780
770
760

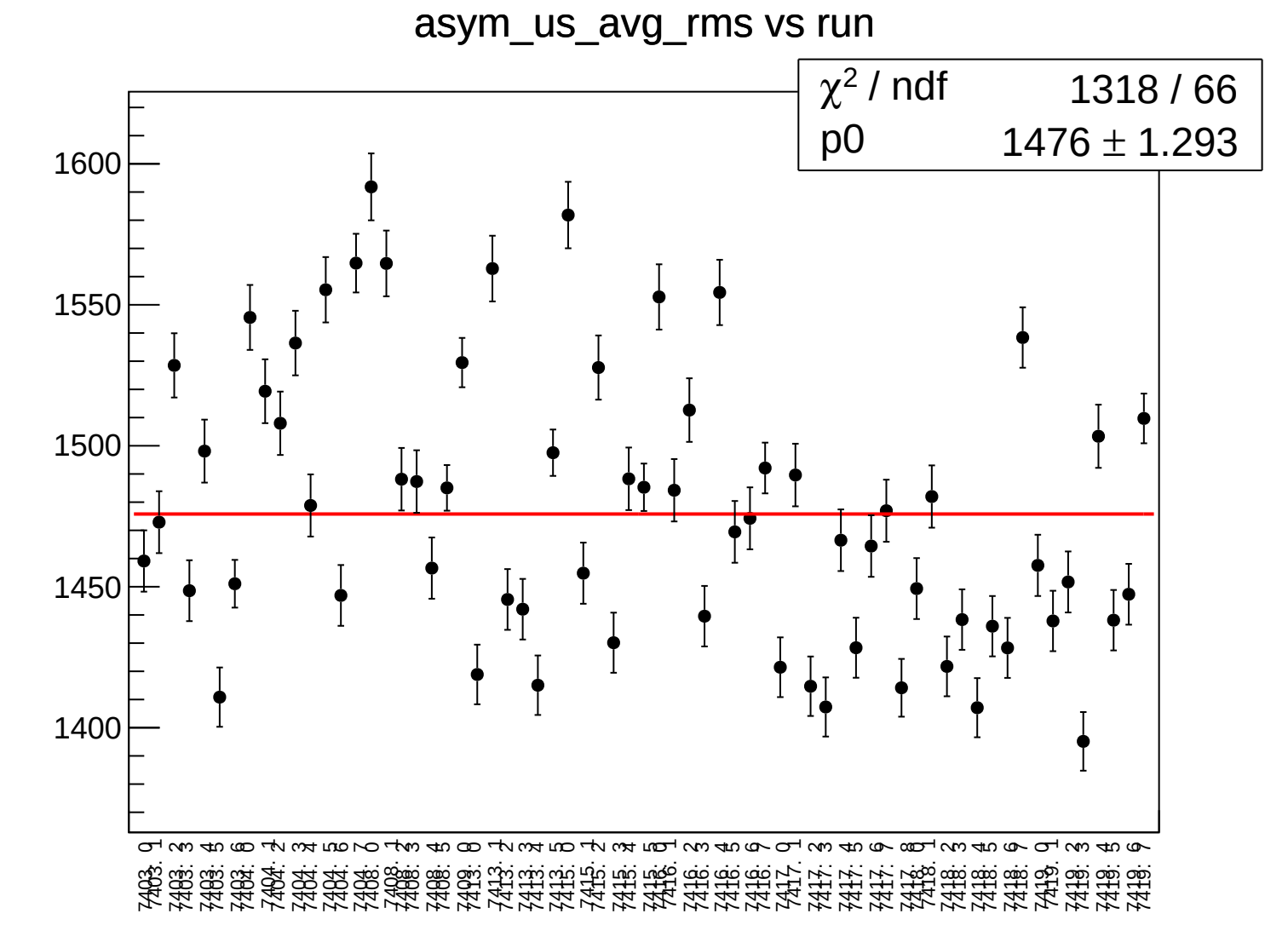

asym_us_avg_correction_mean vs run
χ² / ndf 58.23 / 66
p0 560.2 ± 1557
pull
Entries 67
Mean 97.3
Std Dev 98.91

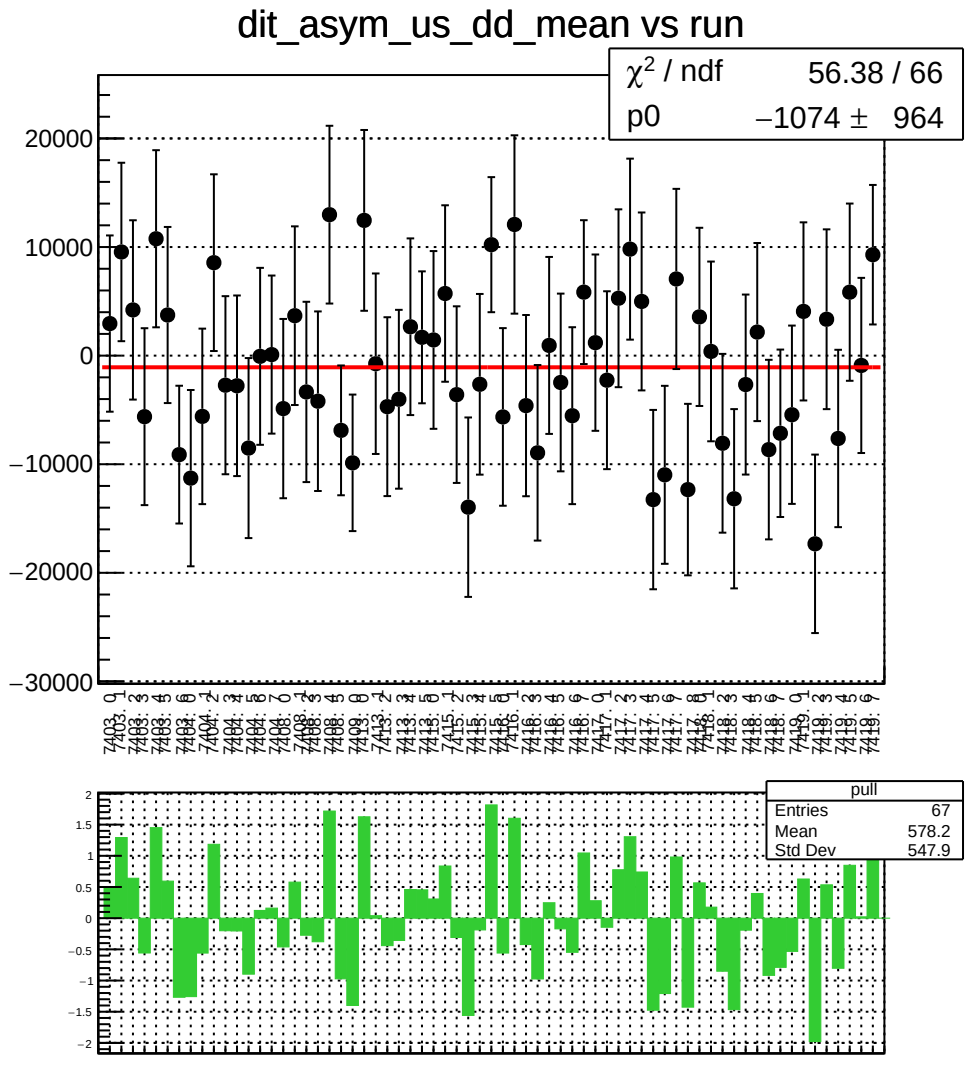

pull1D
Entries 67
Mean 0.01391
Std Dev 0.9322

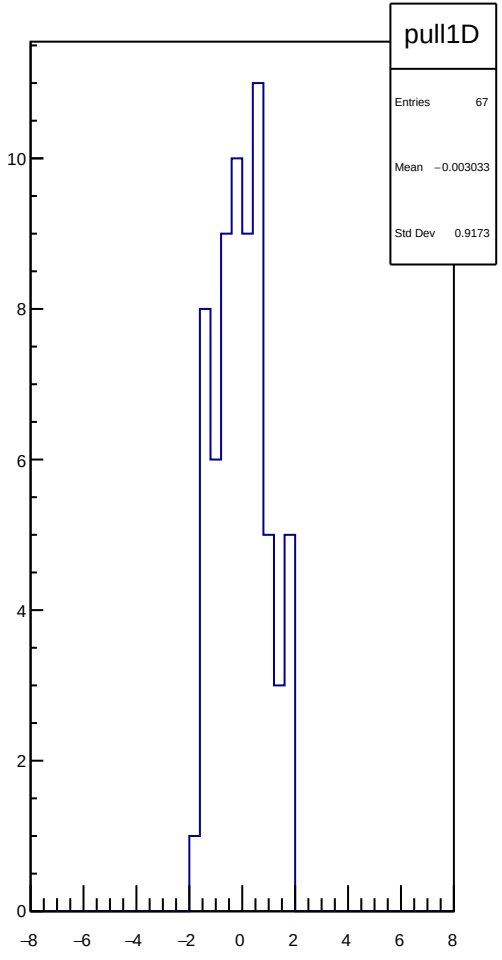

asym_us_avg_correction_rms vs run
χ² / ndf 2675 / 66
p0 1255 ± 1.101
1400
1350
1300
1250
1200
1150

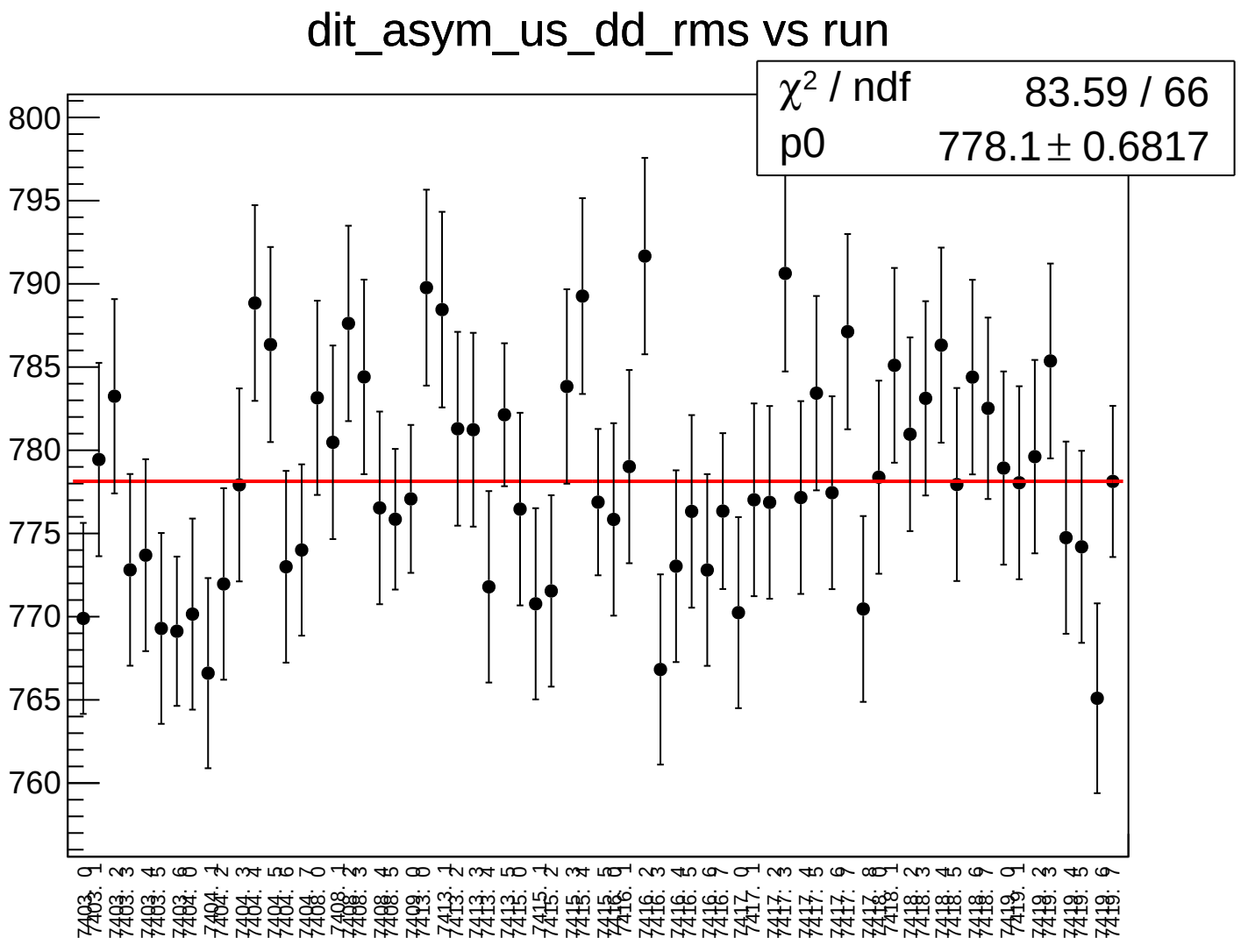

asym_us_avg_mean vs run
χ² / ndf 52.46 / 66
p0 1130 ± 1829
40000
20000
0
−20000
−40000
pull
Entries 67
Mean 17.23
Std Dev 60.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

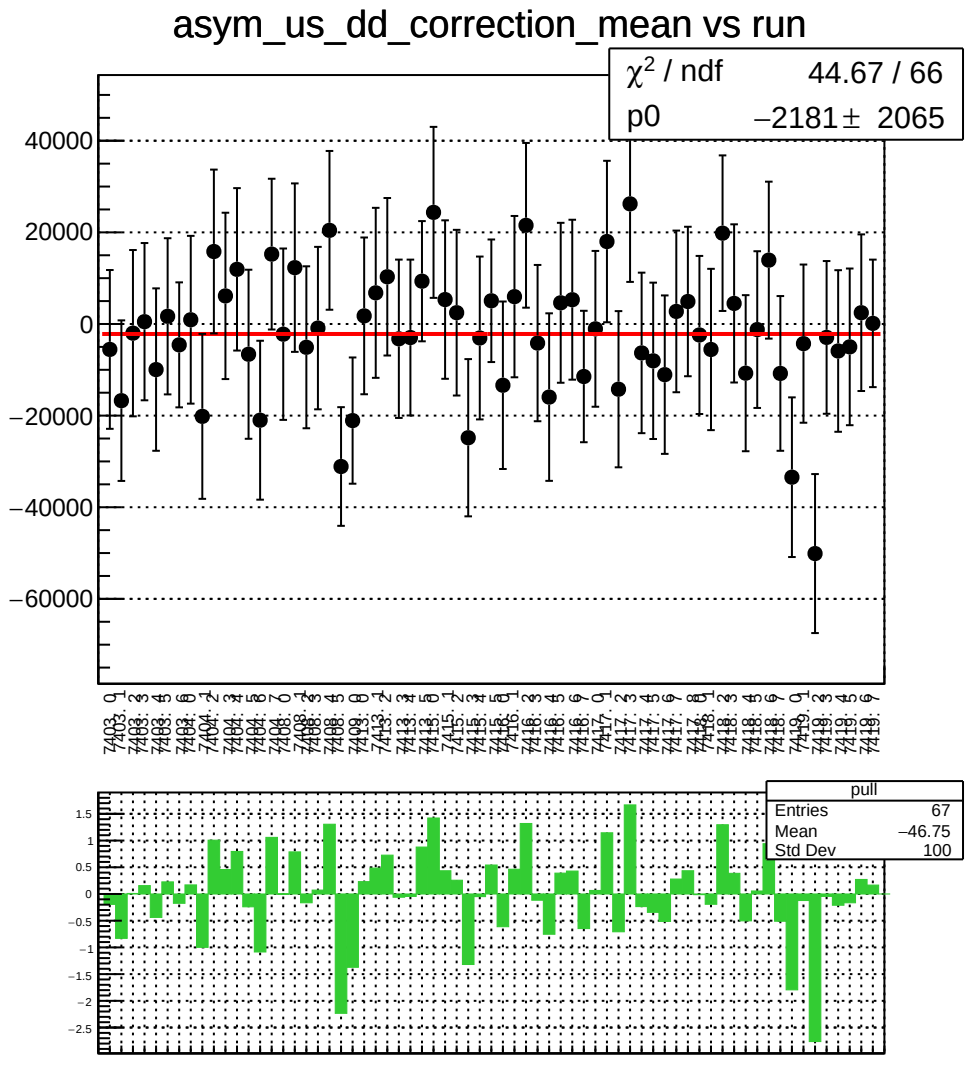

pull1D
Entries 67
Mean −0.01713
Std Dev 0.8847
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

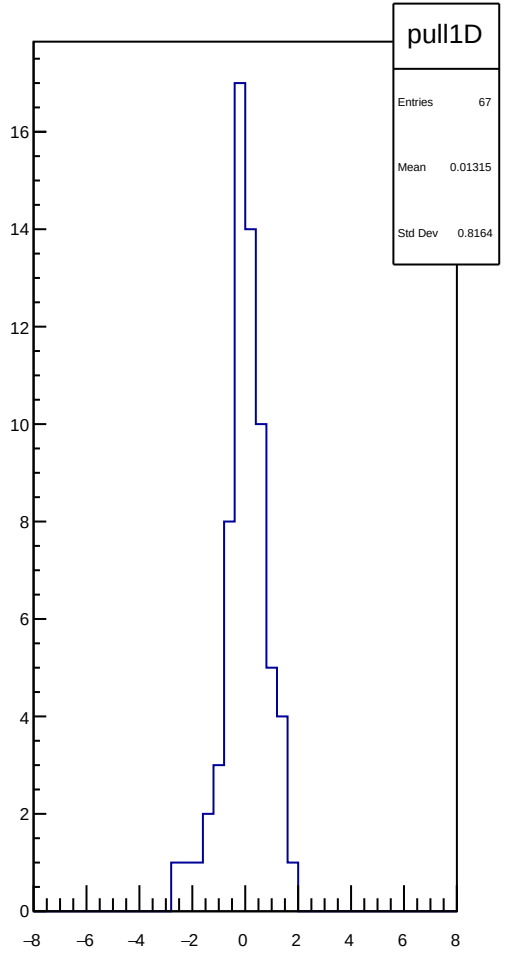

asym_us_avg_rms vs run
χ² / ndf 1318 / 66
p0 1476 ± 1.293
1600
1550
1500
1450
1400

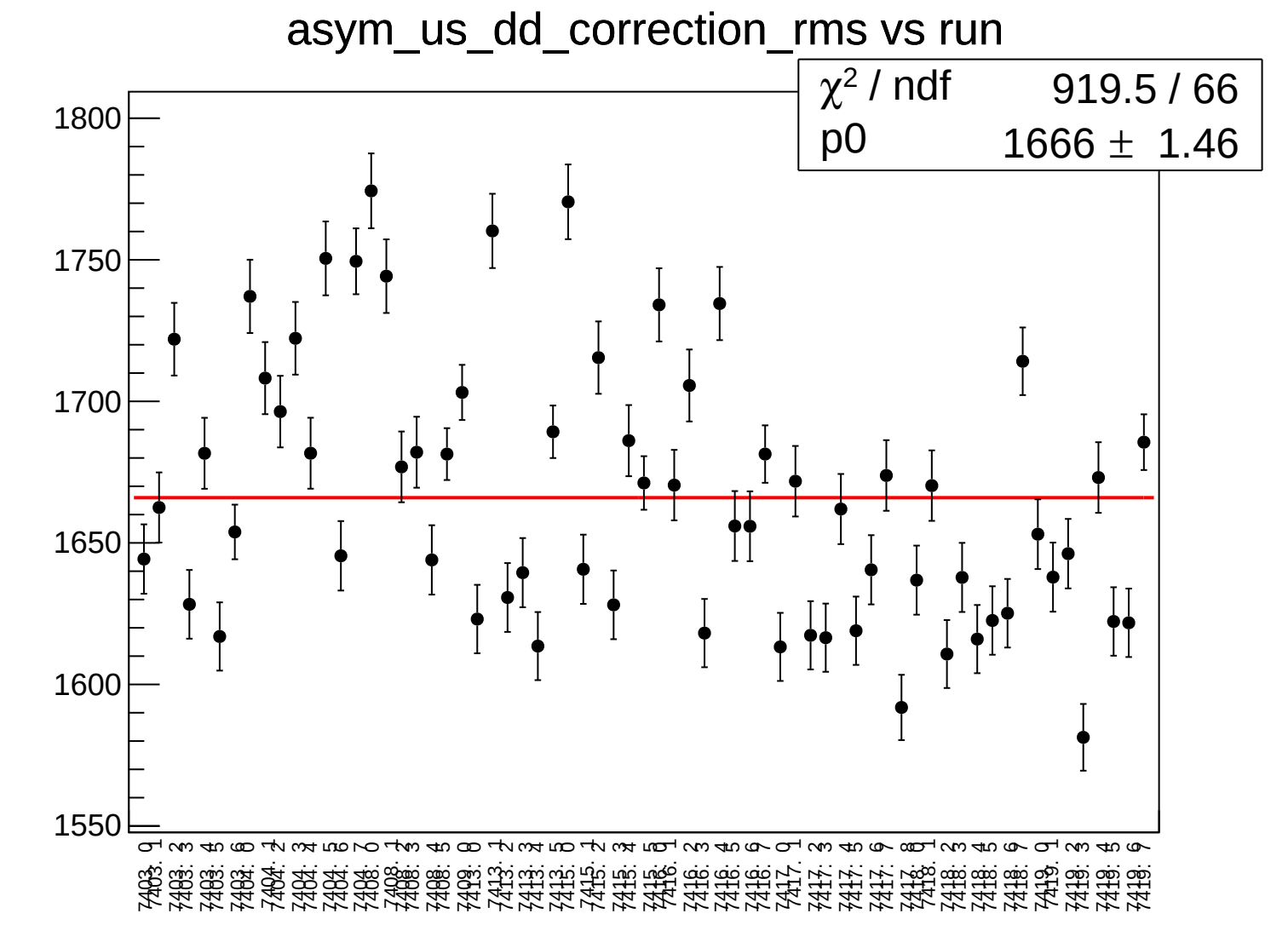

dit_asym_us_dd_mean vs run
χ² / ndf 56.38 / 66
p0 −1074 ± 964
pull
Entries 67
Mean 578.2
Std Dev 547.9

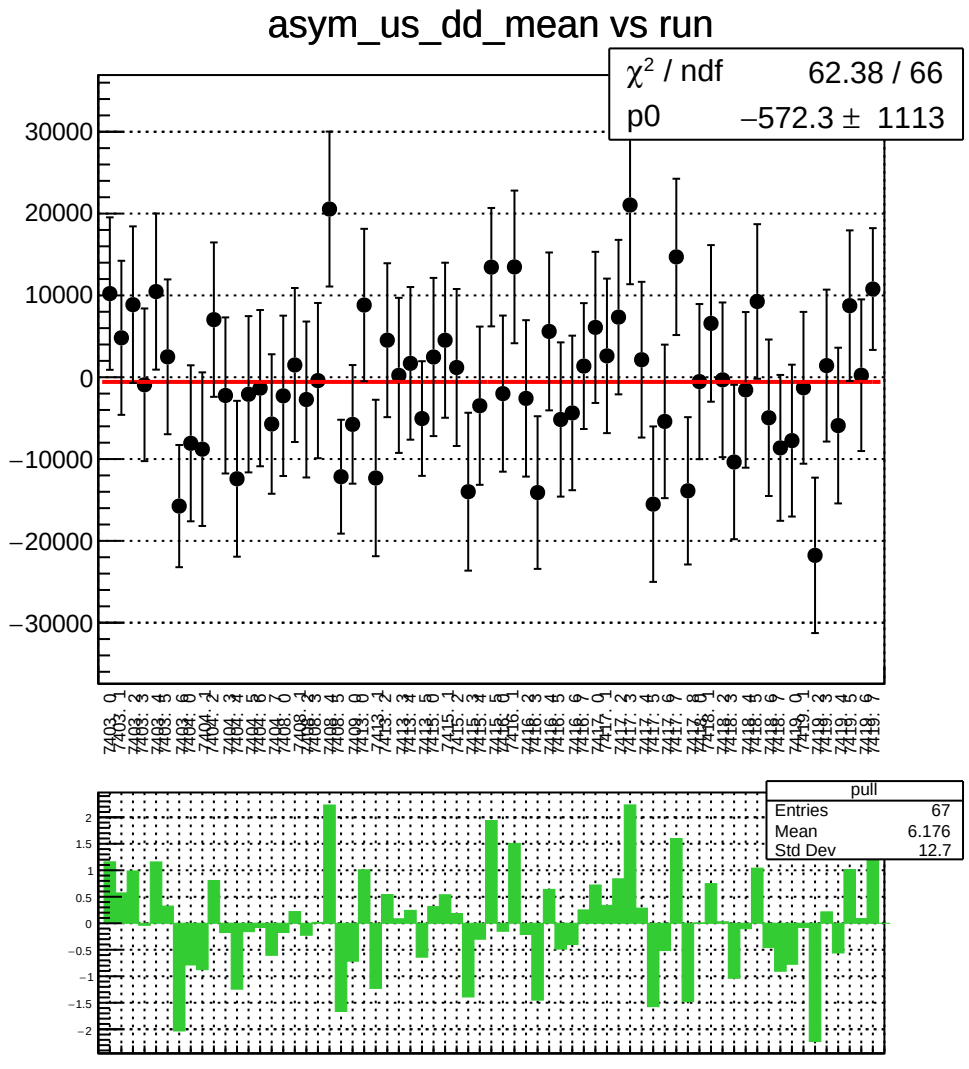

pull1D
Entries 67
Mean −0.003033
Std Dev 0.9173

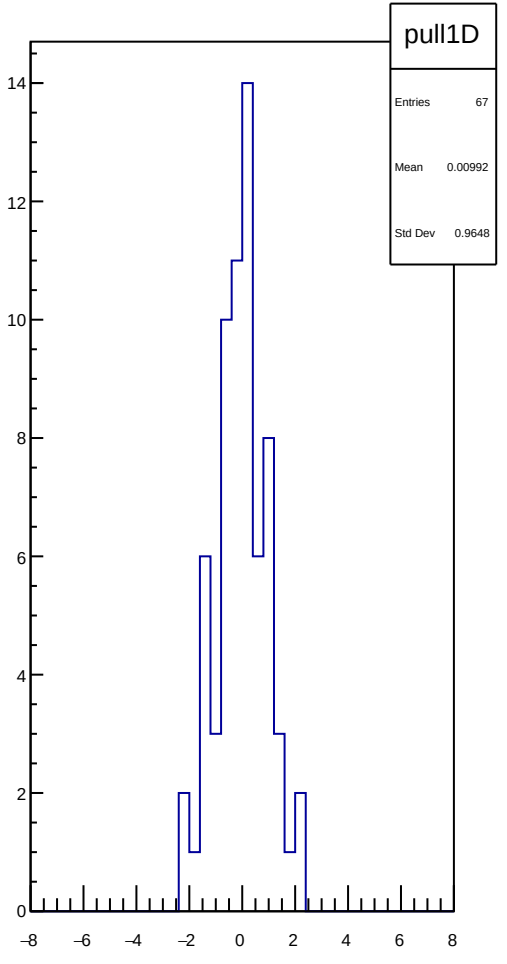

dit_asym_us_dd_rms vs run
χ² / ndf 83.59 / 66
p0 778.1 ± 0.6817
800
795
790
785
780
775
770
765
760

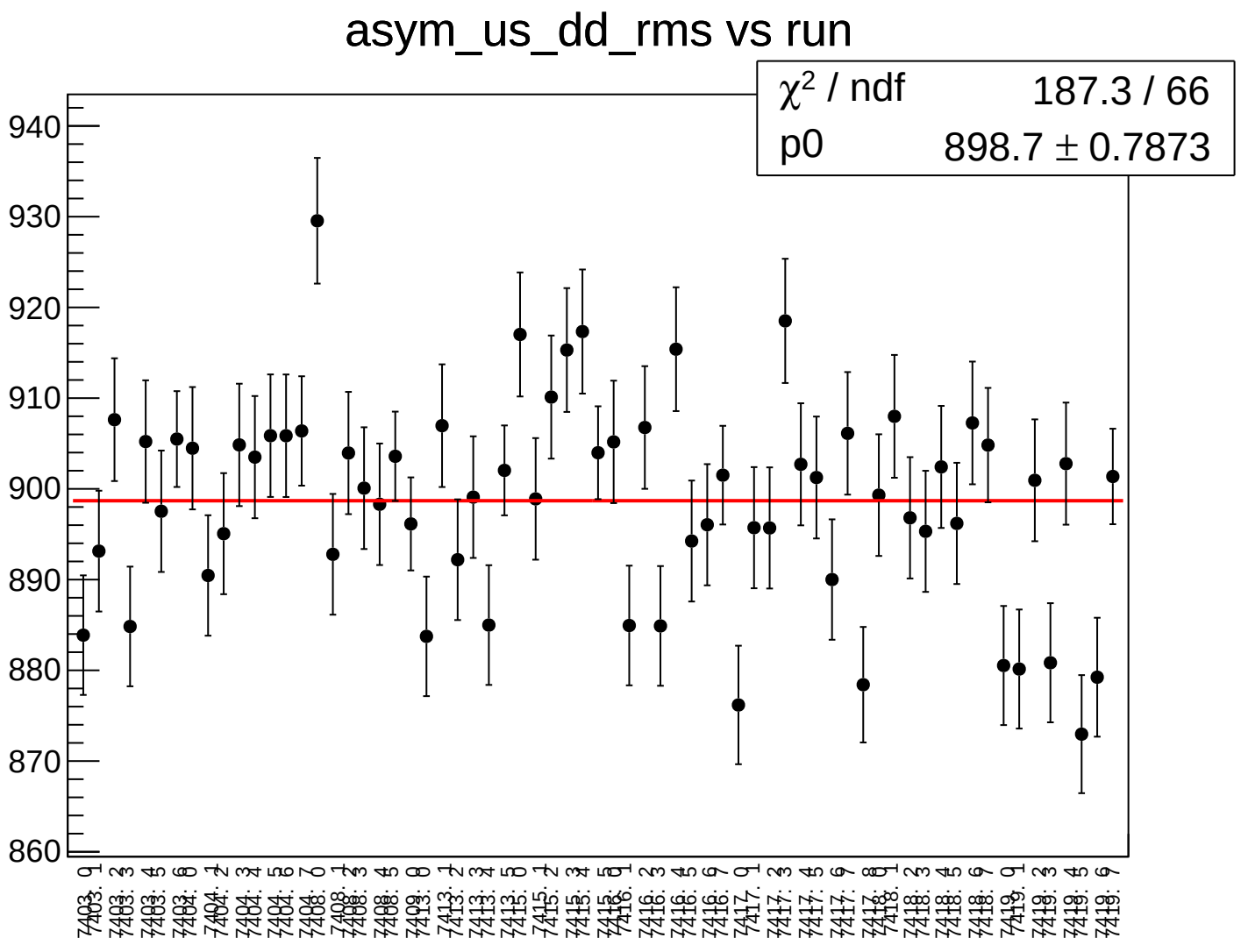

asym_us_dd_correction_mean vs run
χ² / ndf 44.67 / 66
p0 −2181 ± 2065
40000
20000
0
−20000
−40000
−60000
pull
Entries 67
Mean −46.75
Std Dev 100
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

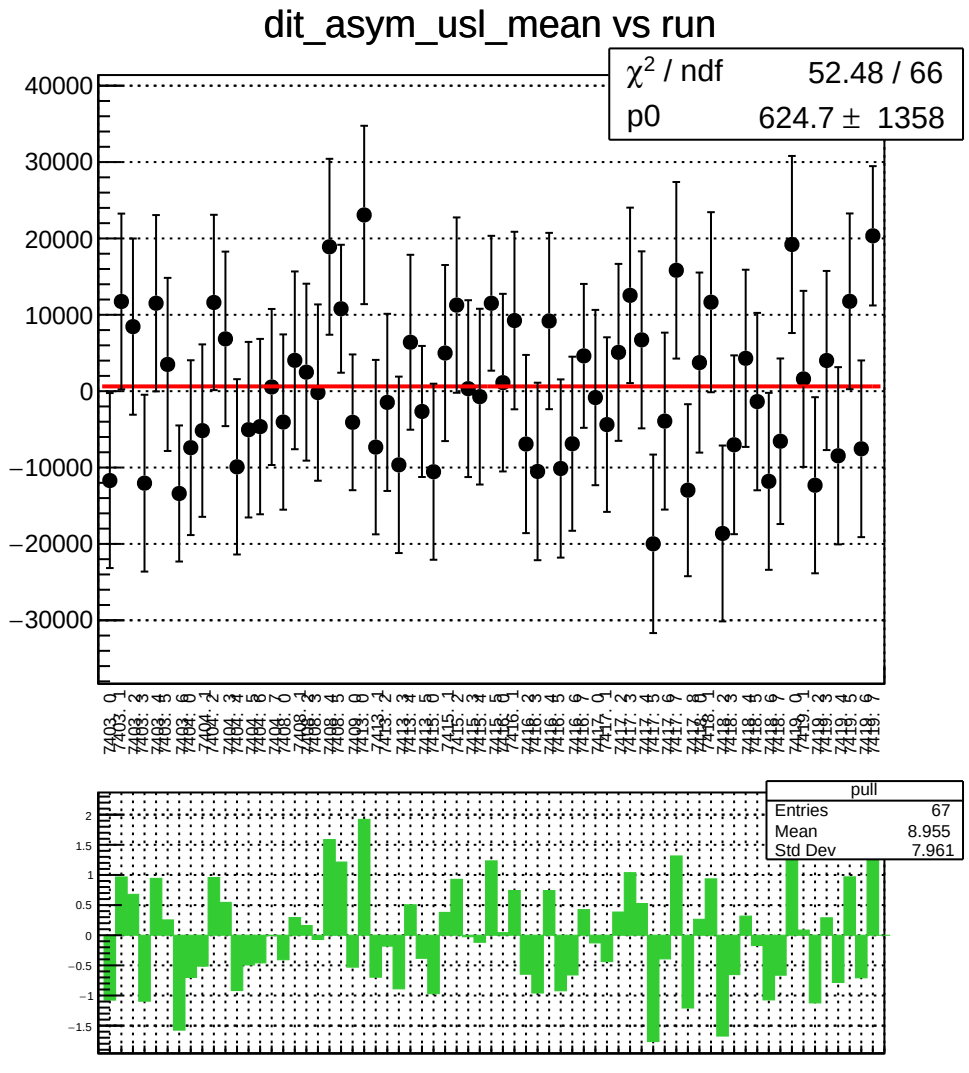

pull1D
Entries 67
Mean 0.01315
Std Dev 0.8164
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

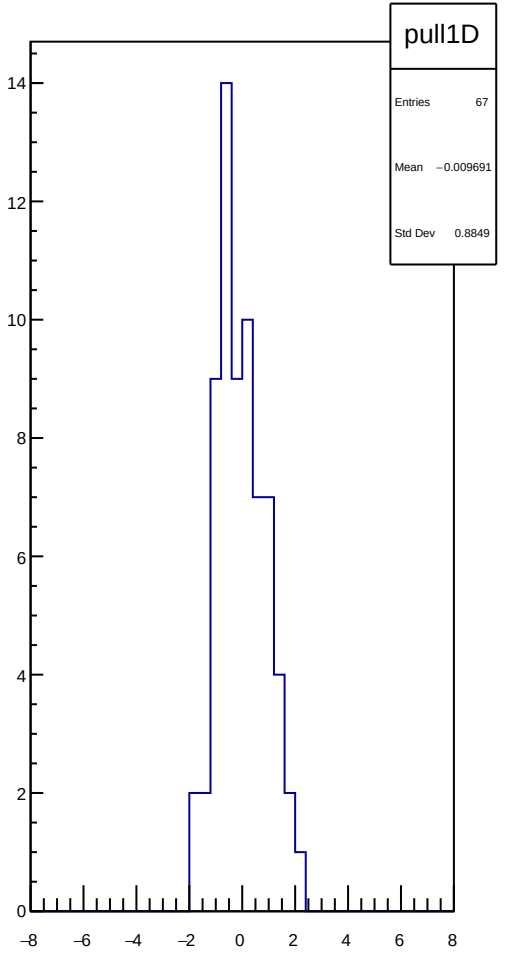

asym_us_dd_correction_rms vs run
χ² / ndf 919.5 / 66
p0 1666 ± 1.46
1800
1750
1700
1650
1600
1550

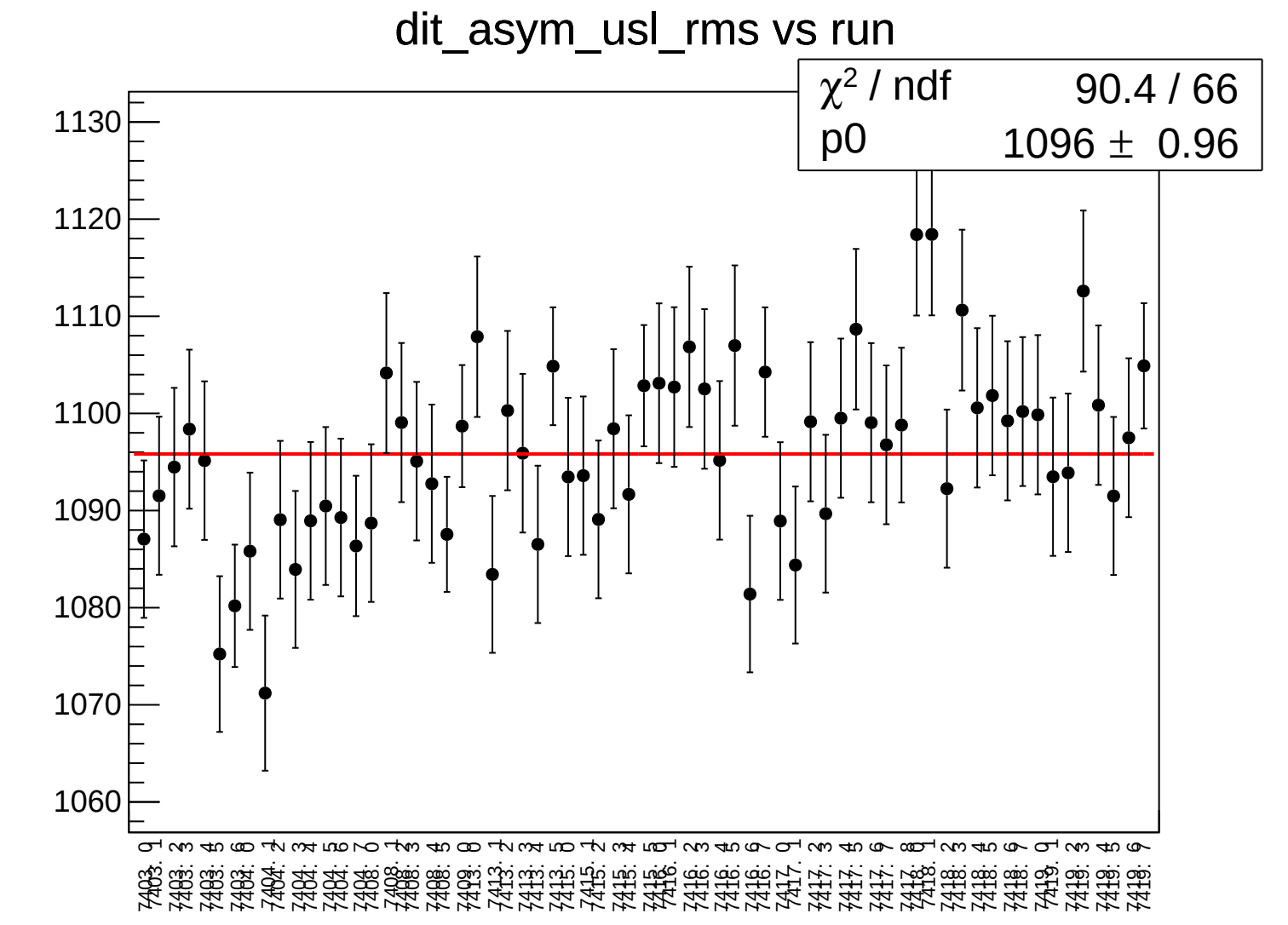

asym_us_dd_mean vs run
χ² / ndf 62.38 / 66
p0 −572.3 ± 1113
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 6.176
Std Dev 12.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

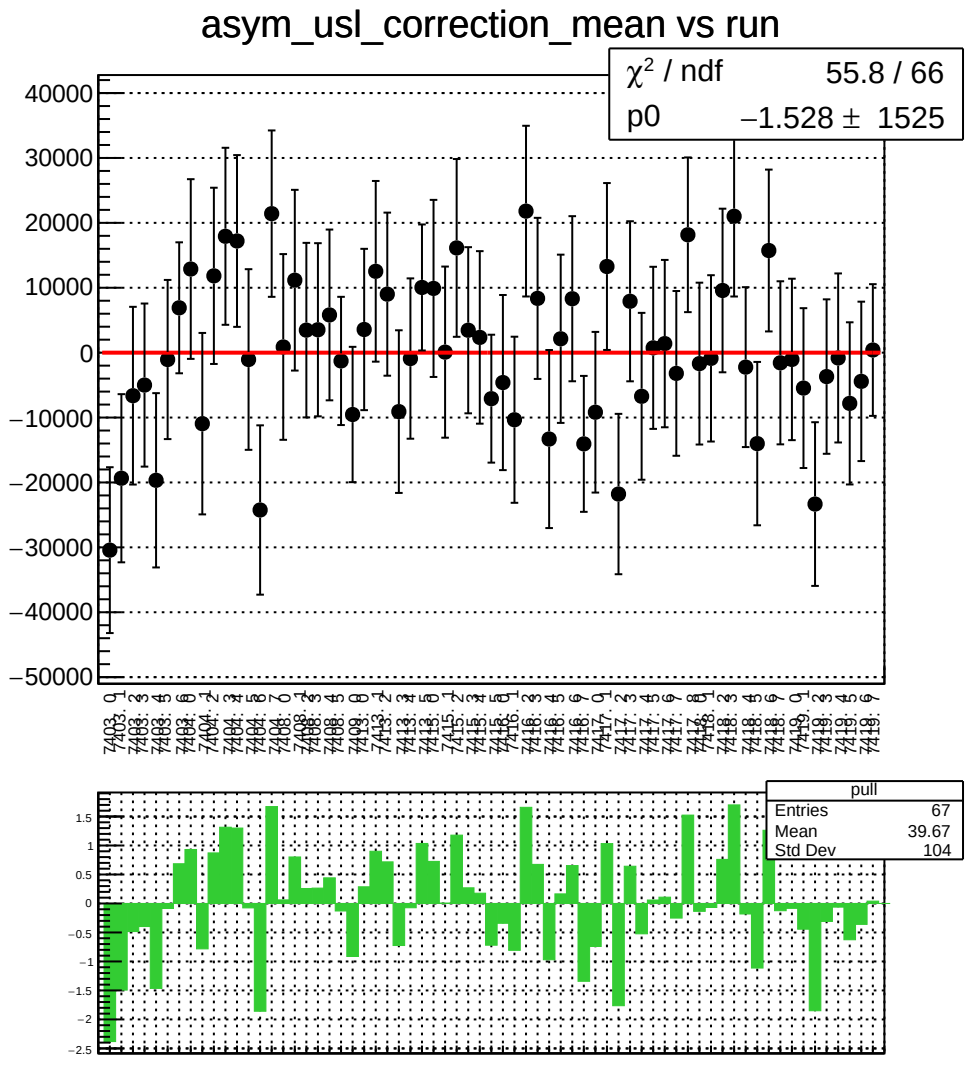

pull1D
Entries 67
Mean 0.00992
Std Dev 0.9648
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

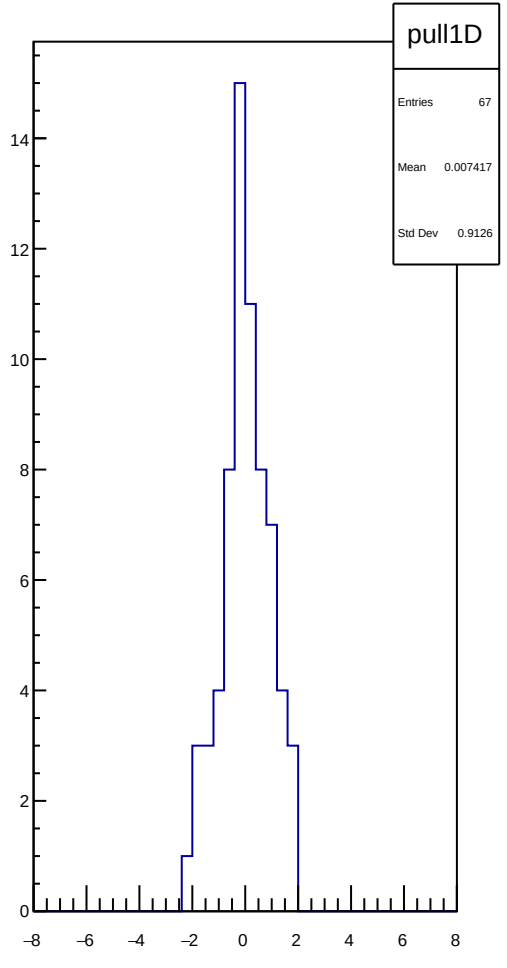

asym_us_dd_rms vs run
χ² / ndf 187.3 / 66
p0 898.7 ± 0.7873
940
930
920
910
900
890
880
870
860

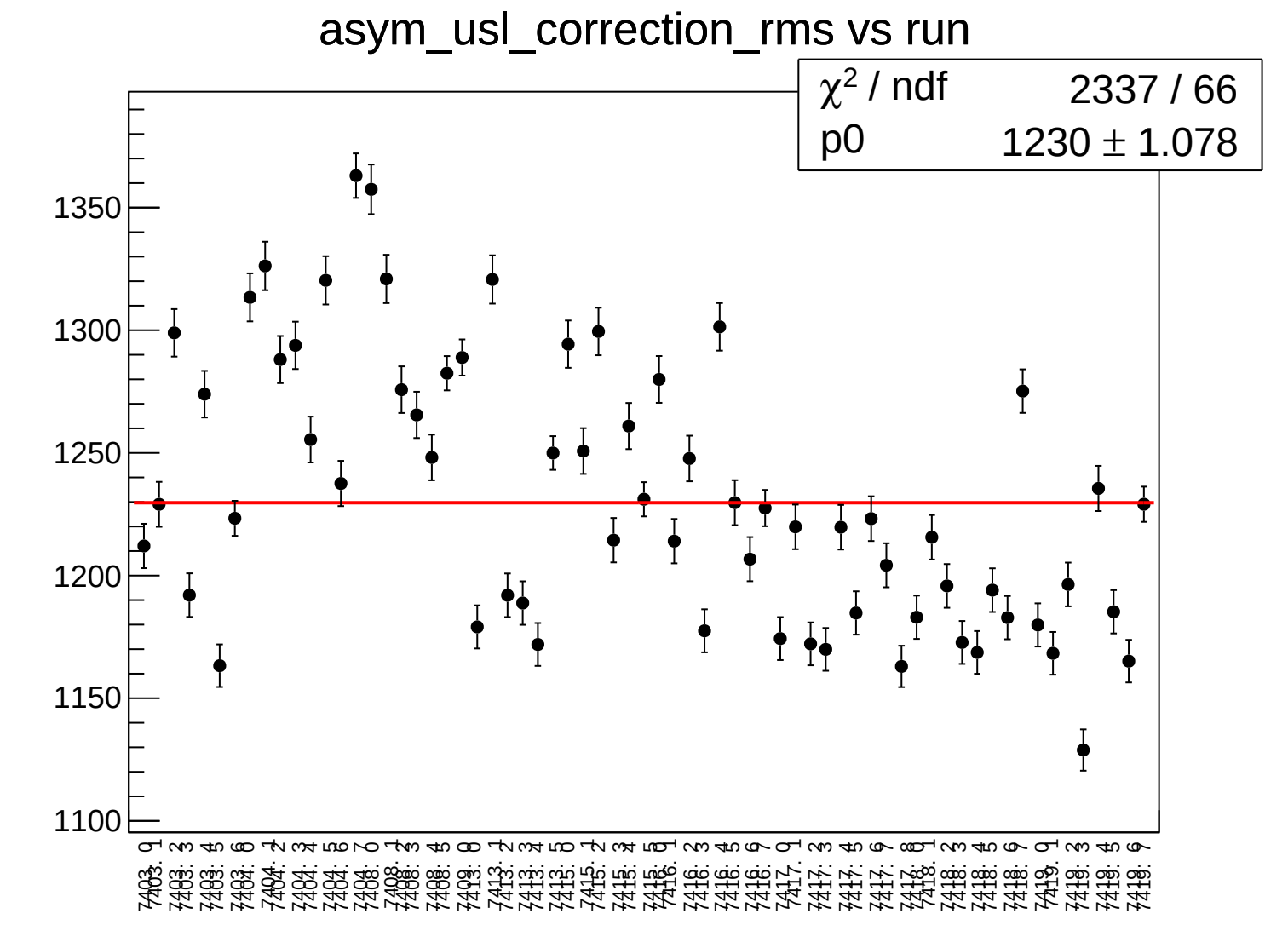

dit_asym_usl_mean vs run
χ² / ndf 52.48 / 66
p0 624.7 ± 1358
pull
Entries 67
Mean 8.955
Std Dev 7.961

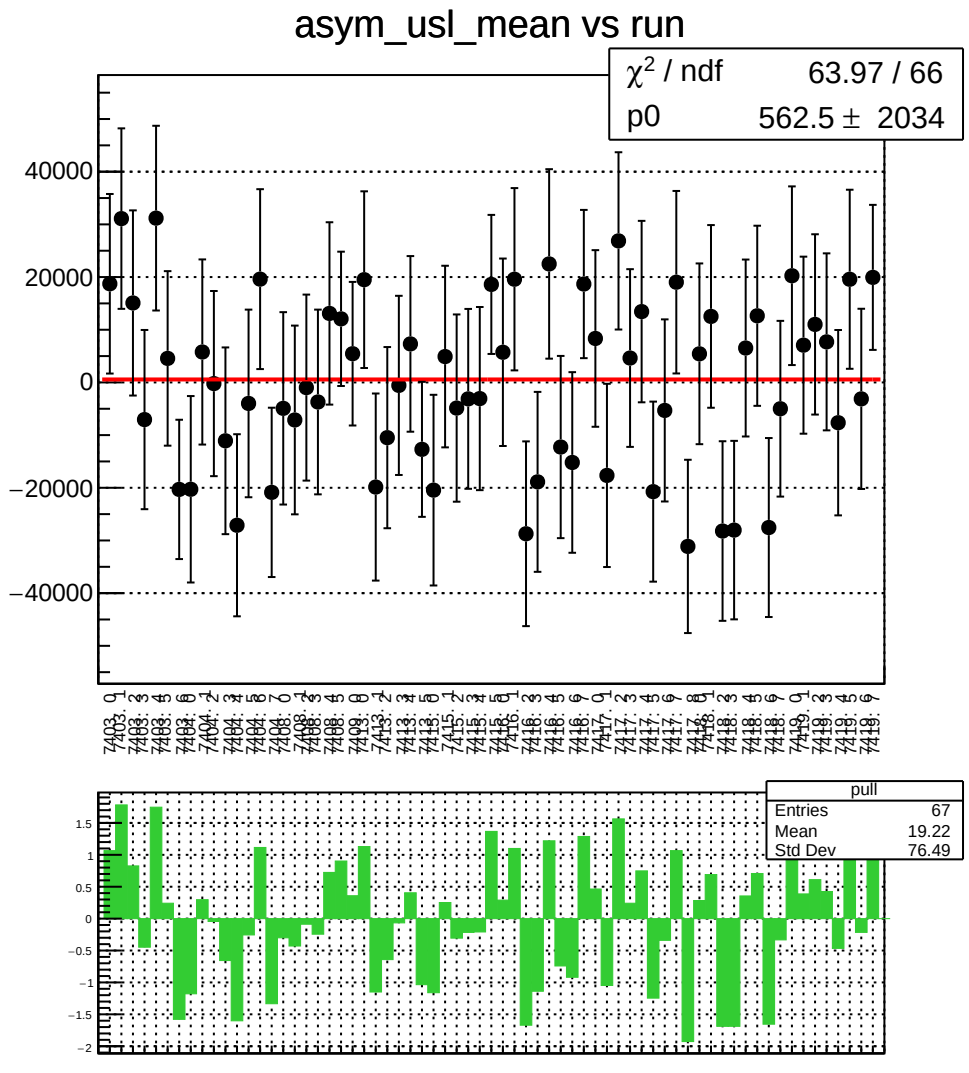

pull1D
Entries 67
Mean −0.009691
Std Dev 0.8849

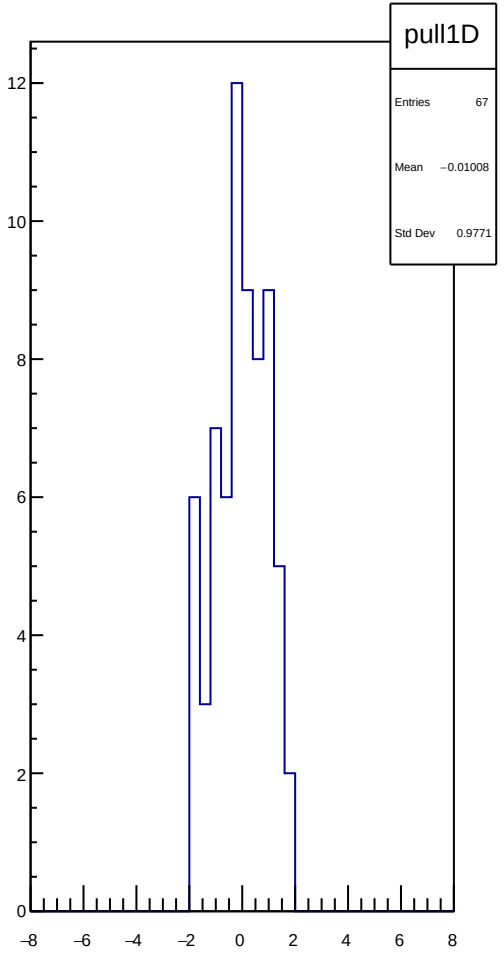

dit_asym_usl_rms vs run
χ² / ndf 90.4 / 66
p0 1096 ± 0.96
1130
1120
1110
1100
1090
1080
1070
1060

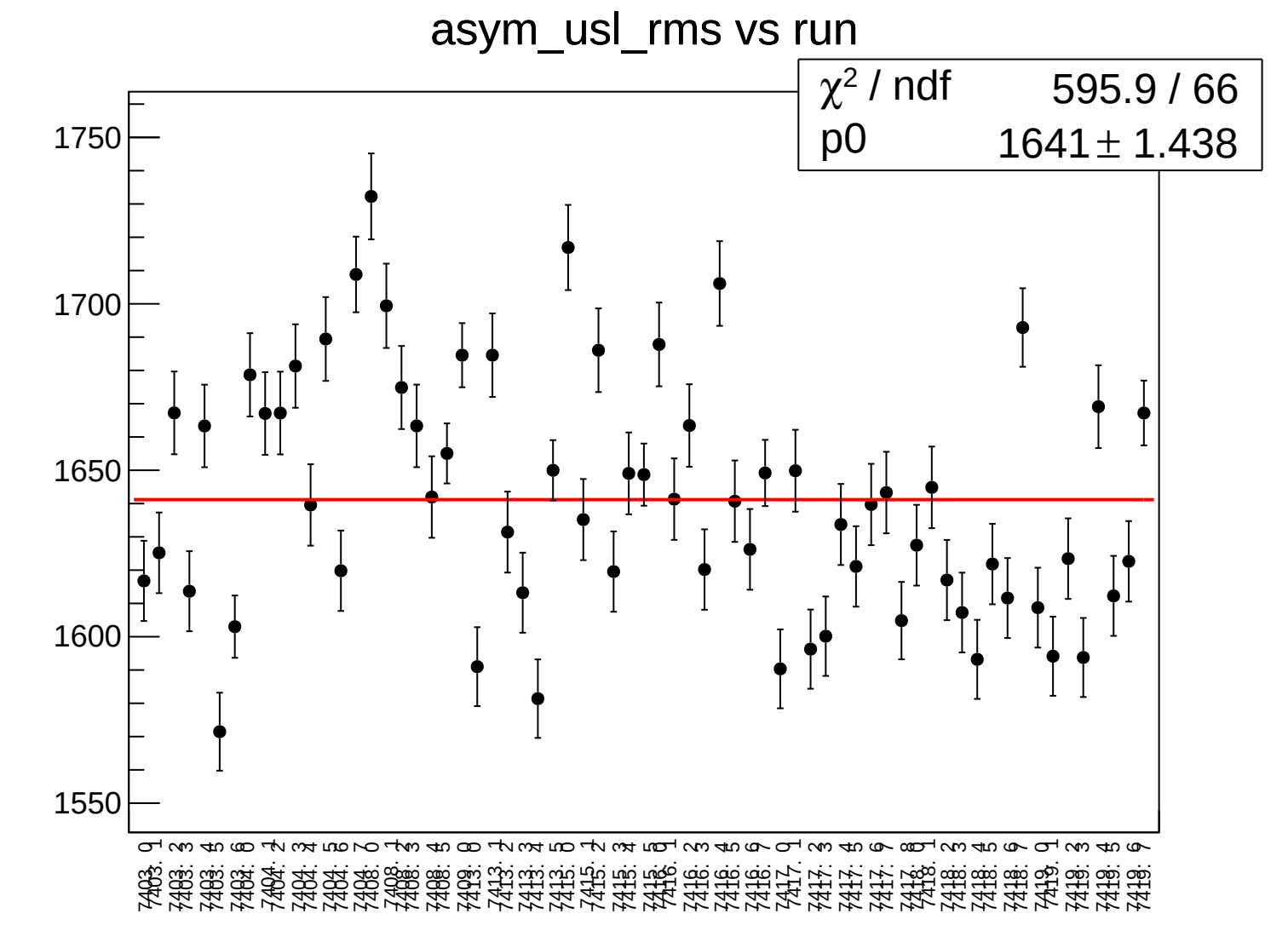

asym_usl_correction_mean vs run
χ² / ndf 55.8 / 66
p0 −1.528 ± 1525
pull
Entries 67
Mean 39.67
Std Dev 104

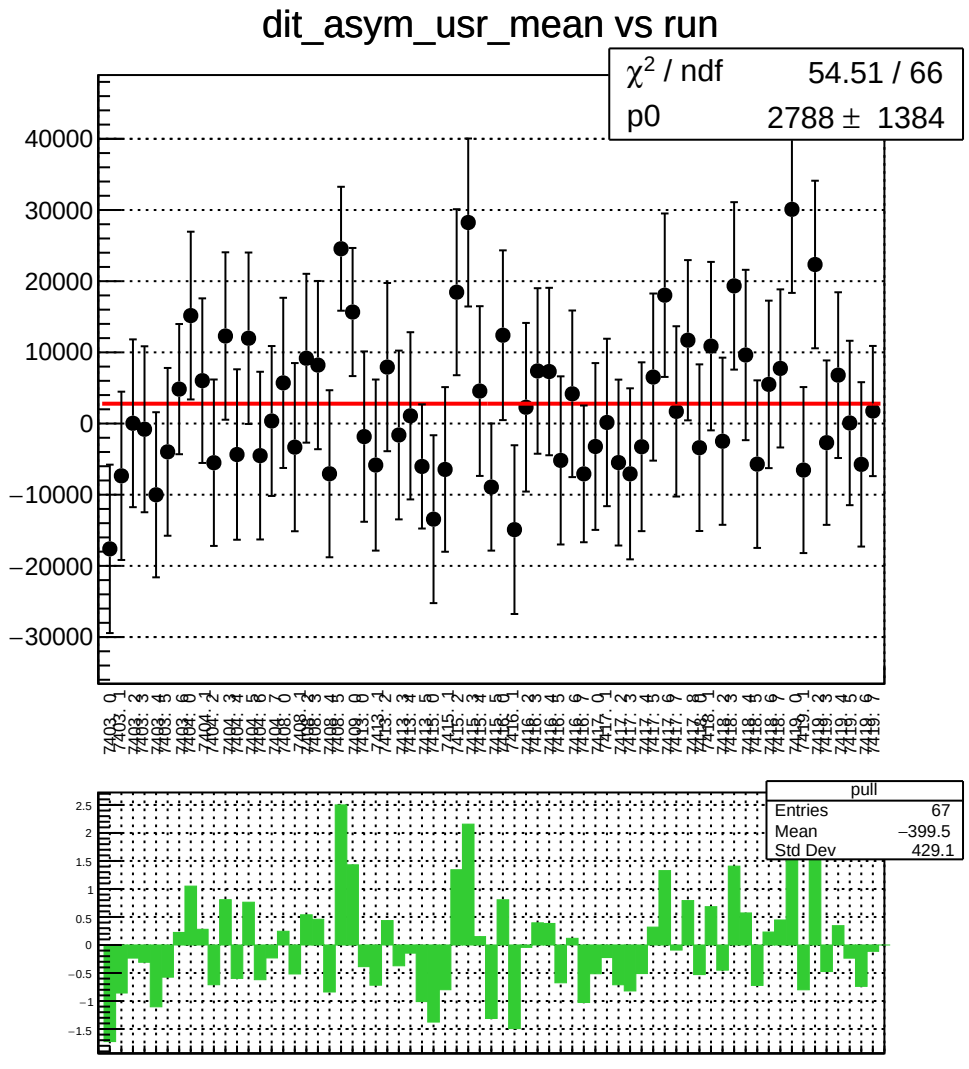

pull1D
Entries 67
Mean 0.007417
Std Dev 0.9126

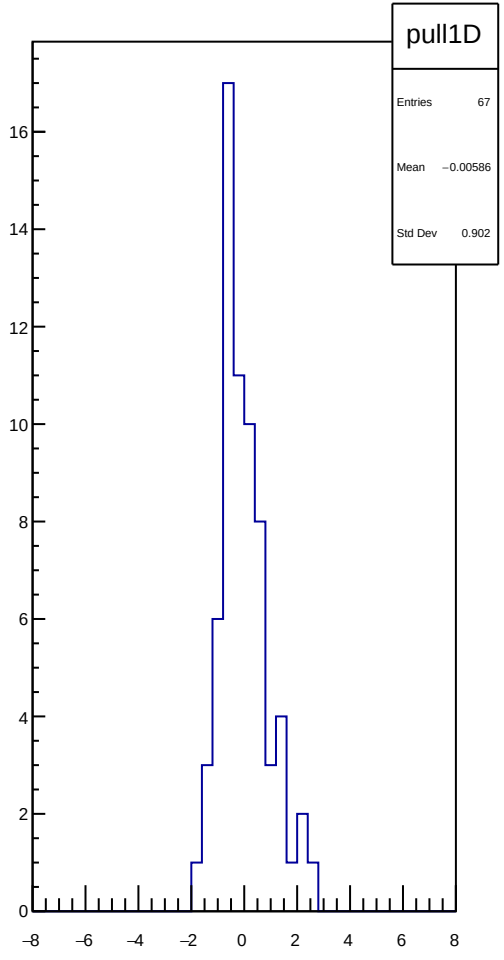

asym_usl_correction_rms vs run
χ² / ndf 2337 / 66
p0 1230 ± 1.078
1350
1300
1250
1200
1150
1100

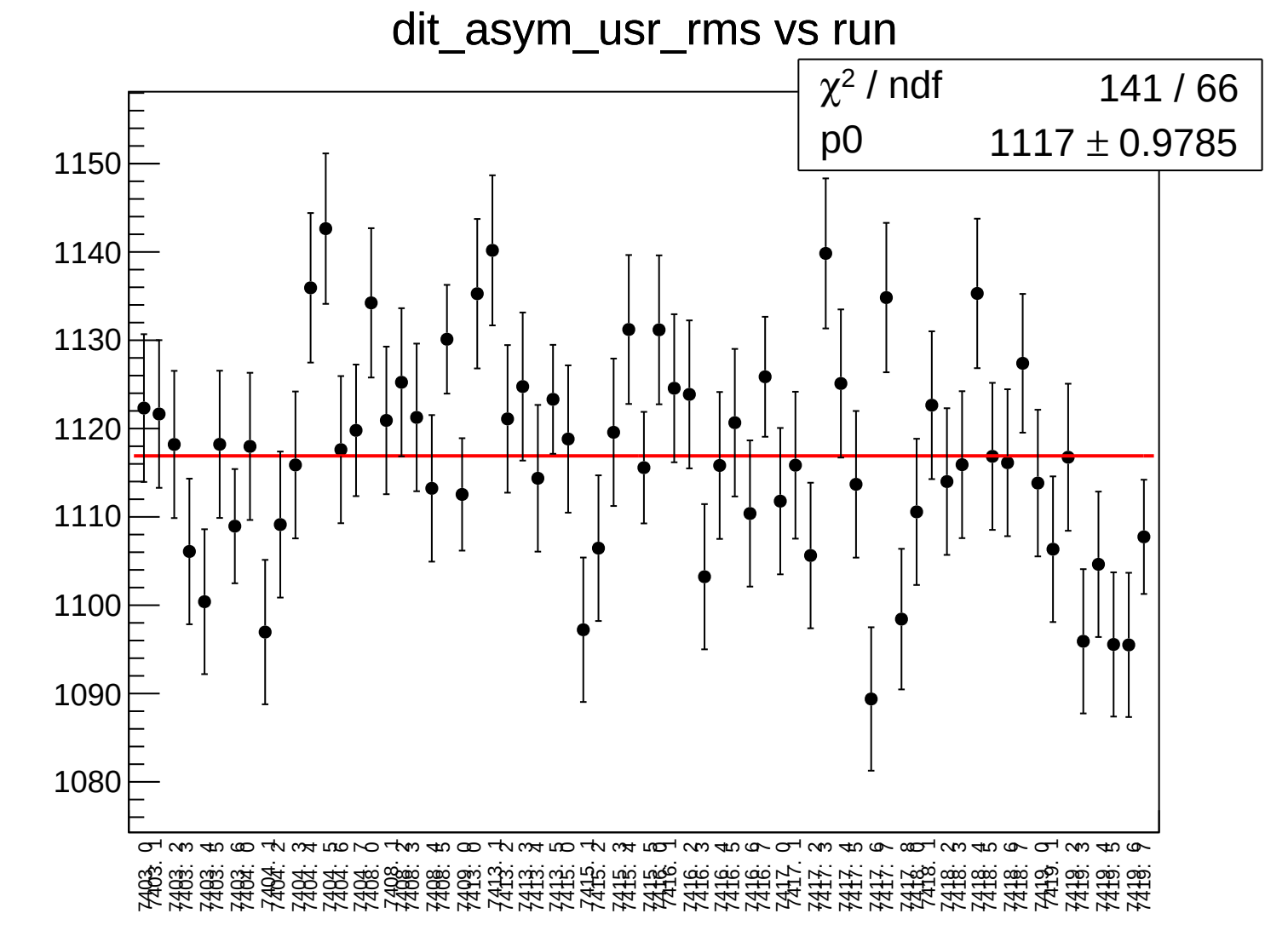

asym_usl_mean vs run
χ² / ndf 63.97 / 66
p0 562.5 ± 2034
40000
20000
0
−20000
−40000
pull
Entries 67
Mean 19.22
Std Dev 76.49
1.5
1
0.5
0
−0.5
−1
−1.5
−2

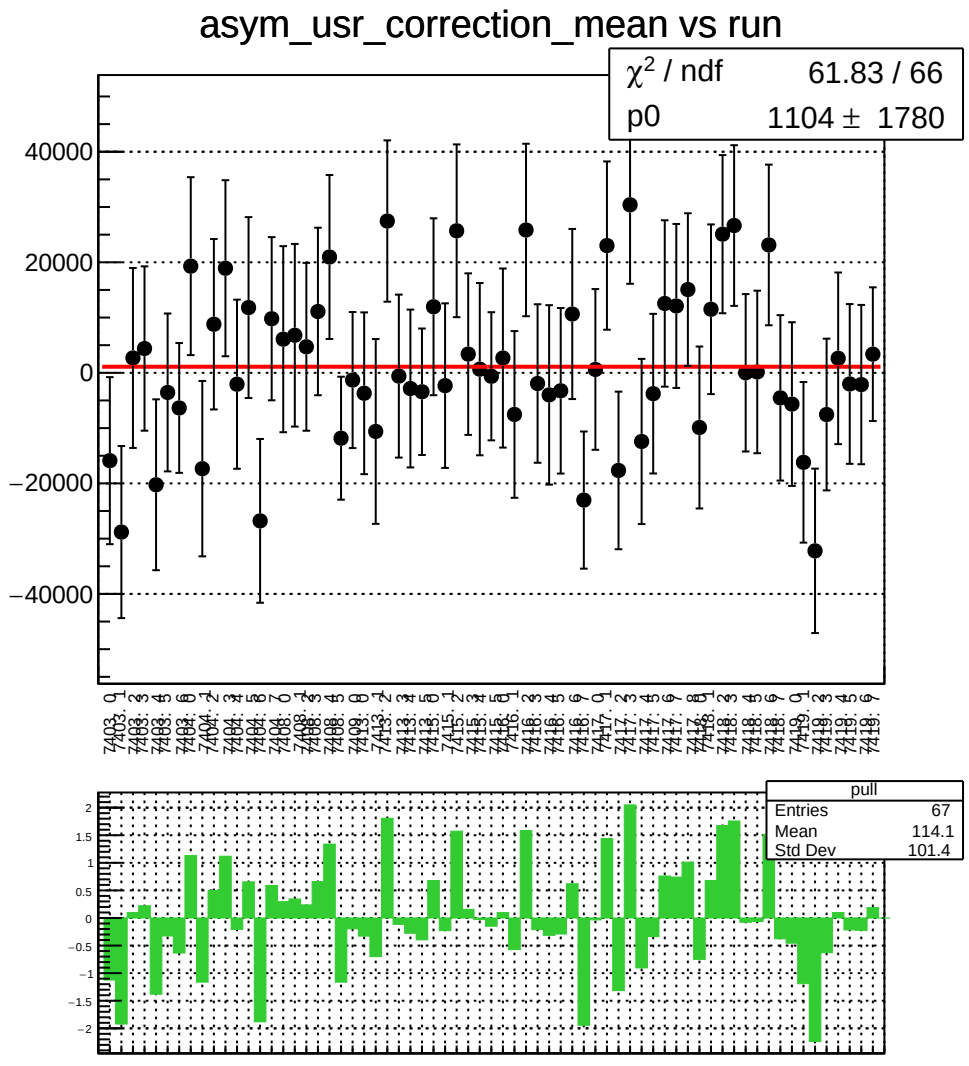

pull1D
Entries 67
Mean −0.01008
Std Dev 0.9771
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

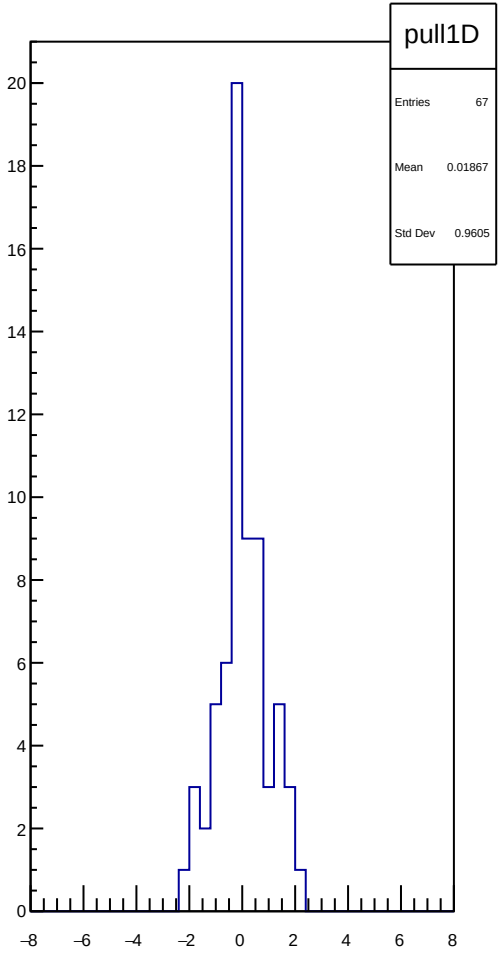

asym_usl_rms vs run
χ² / ndf 595.9 / 66
p0 1641 ± 1.438
1750
1700
1650
1600
1550

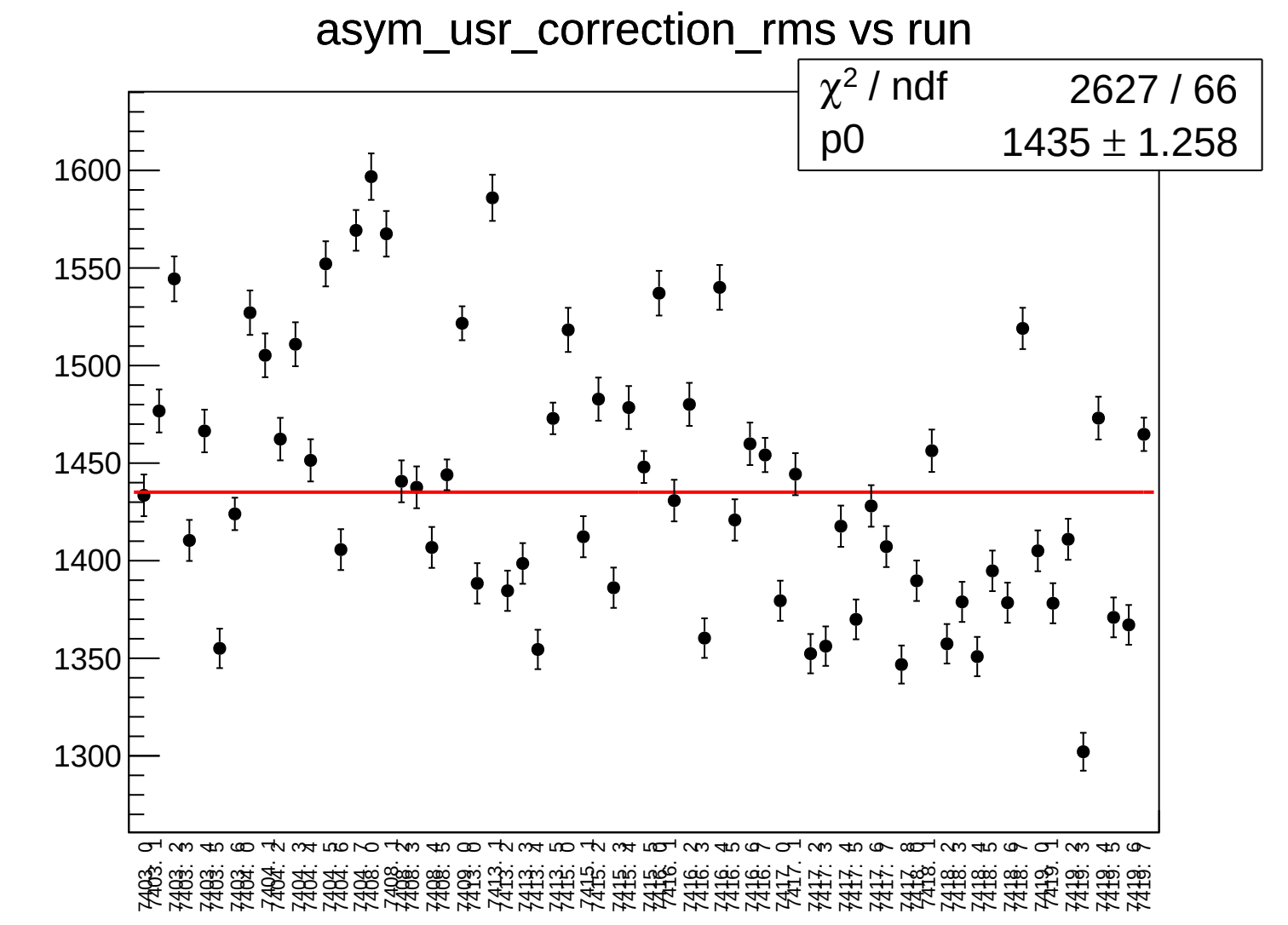

dit_asym_usr_mean vs run
$\chi^2$ / ndf 54.51 / 66
p0 2788 ± 1384
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean −399.5
Std Dev 429.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

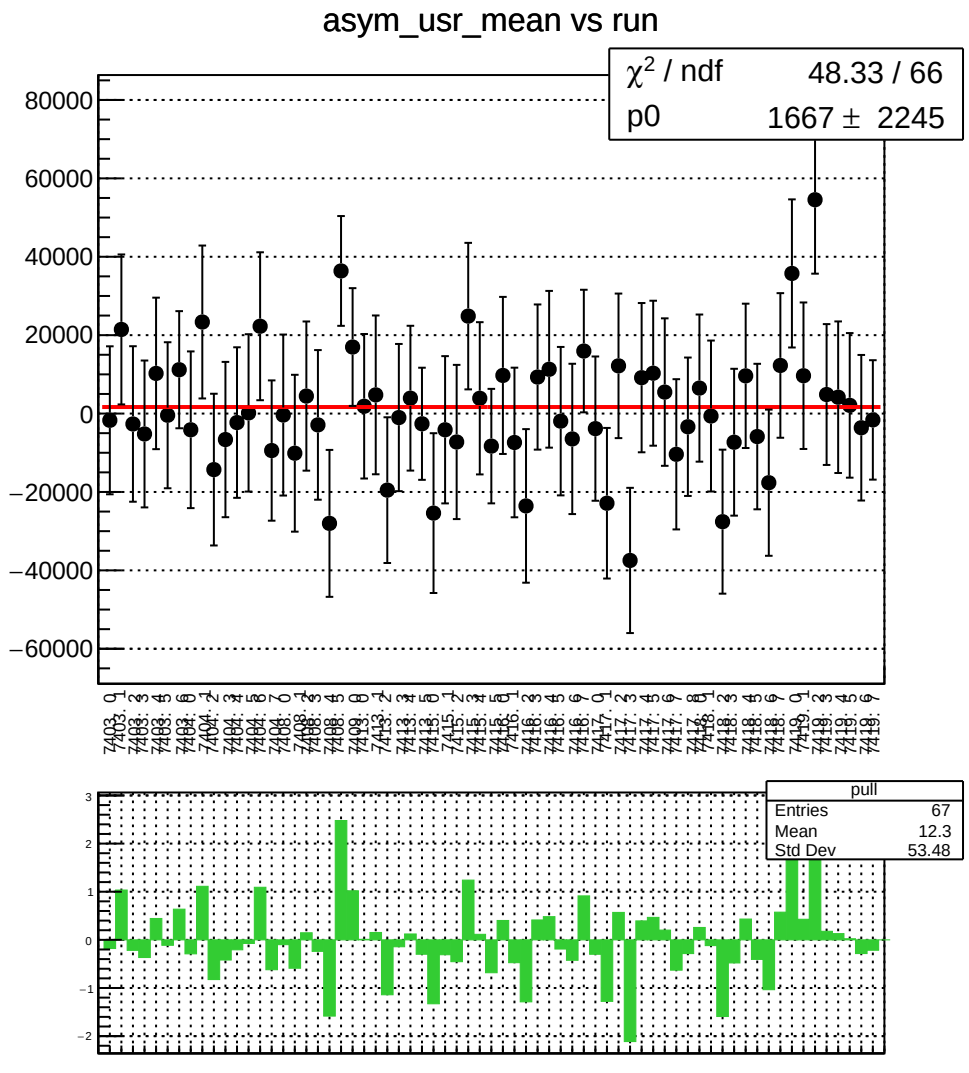

pull1D
Entries 67
Mean −0.00586
Std Dev 0.902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

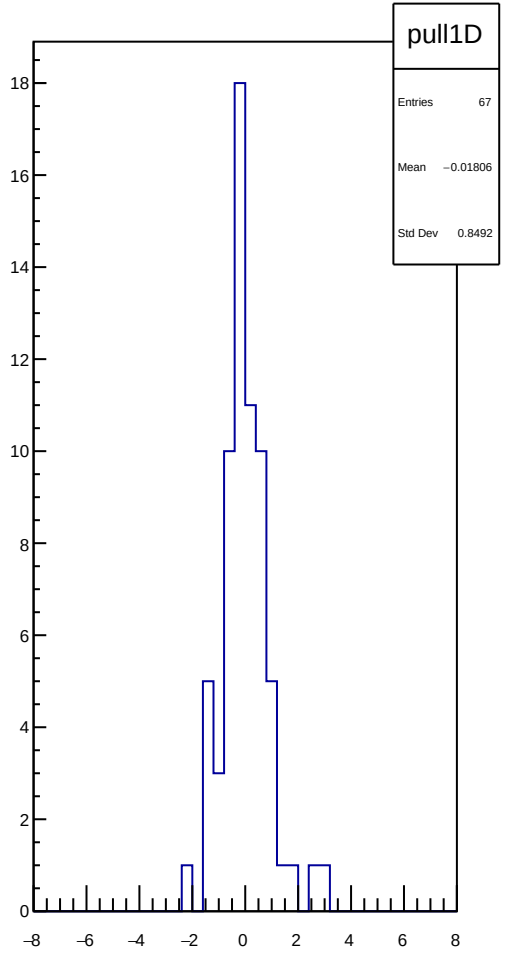

dit_asym_usr_rms vs run
$\chi^2$ / ndf 141 / 66
p0 1117 ± 0.9785
1150
1140
1130
1120
1110
1100
1090
1080

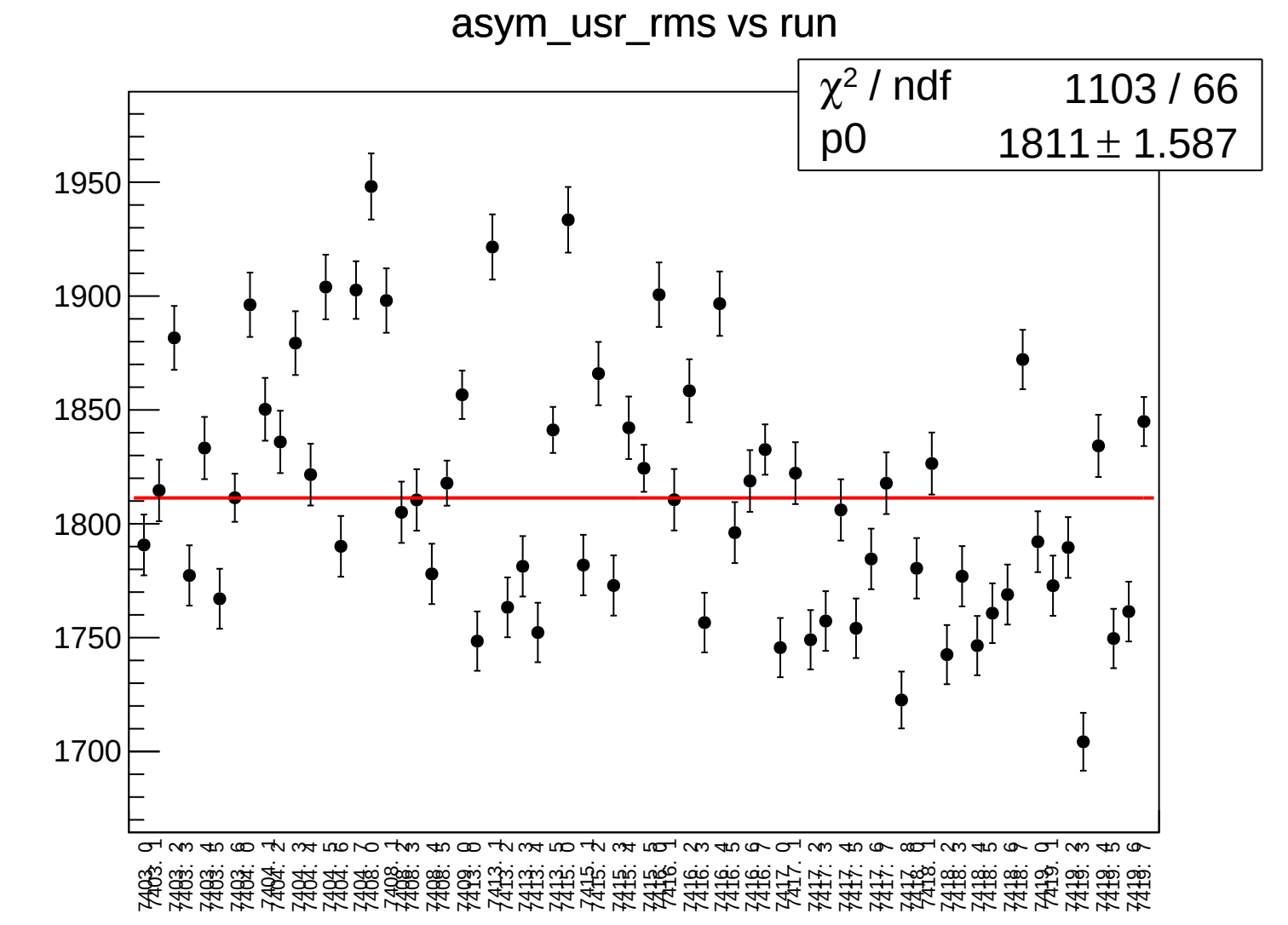

asym_usr_correction_mean vs run
χ² / ndf 61.83 / 66
p0 1104 ± 1780
40000
20000
0
−20000
−40000
pull
Entries 67
Mean 114.1
Std Dev 101.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

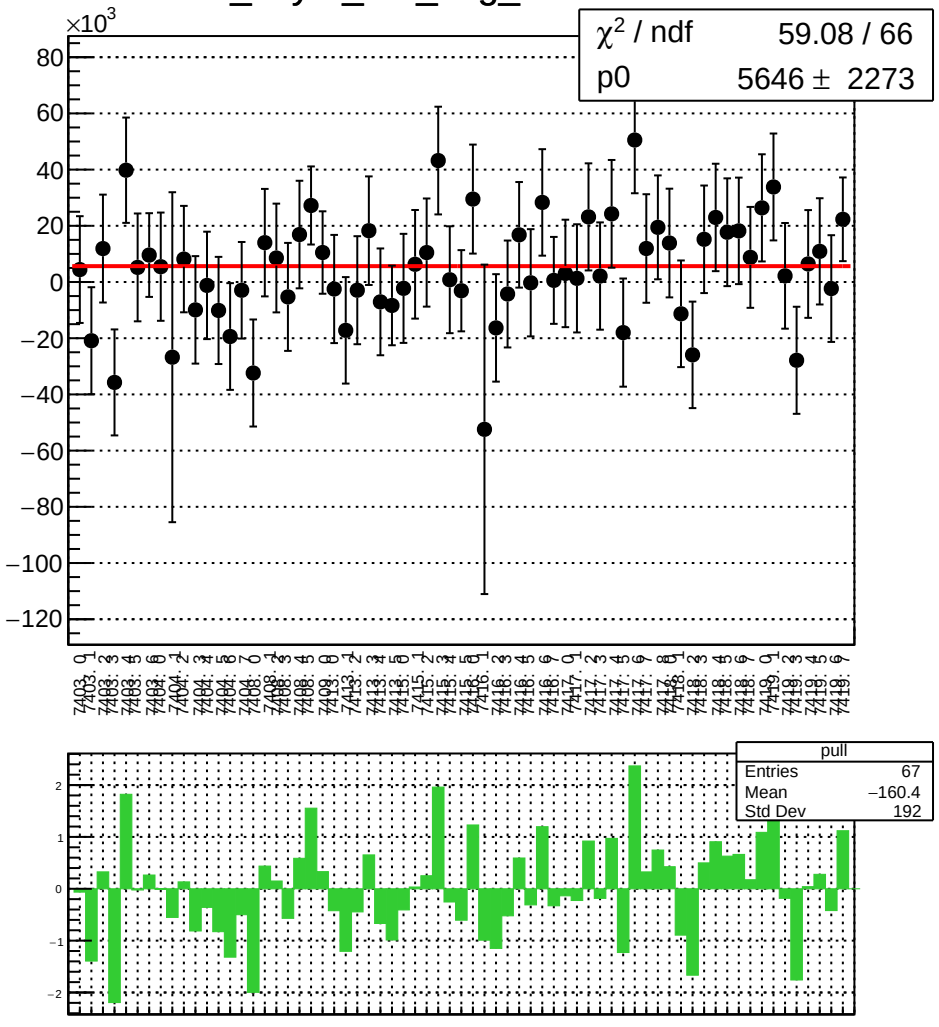

pull1D
Entries 67
Mean 0.01867
Std Dev 0.9605
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

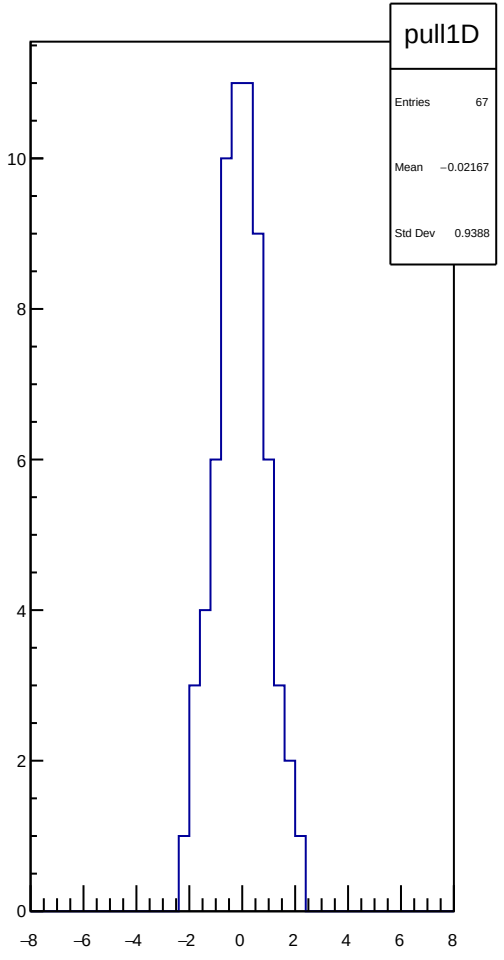

asym_usr_correction_rms vs run
χ² / ndf 2627 / 66
p0 1435 ± 1.258
1600
1550
1500
1450
1400
1350
1300

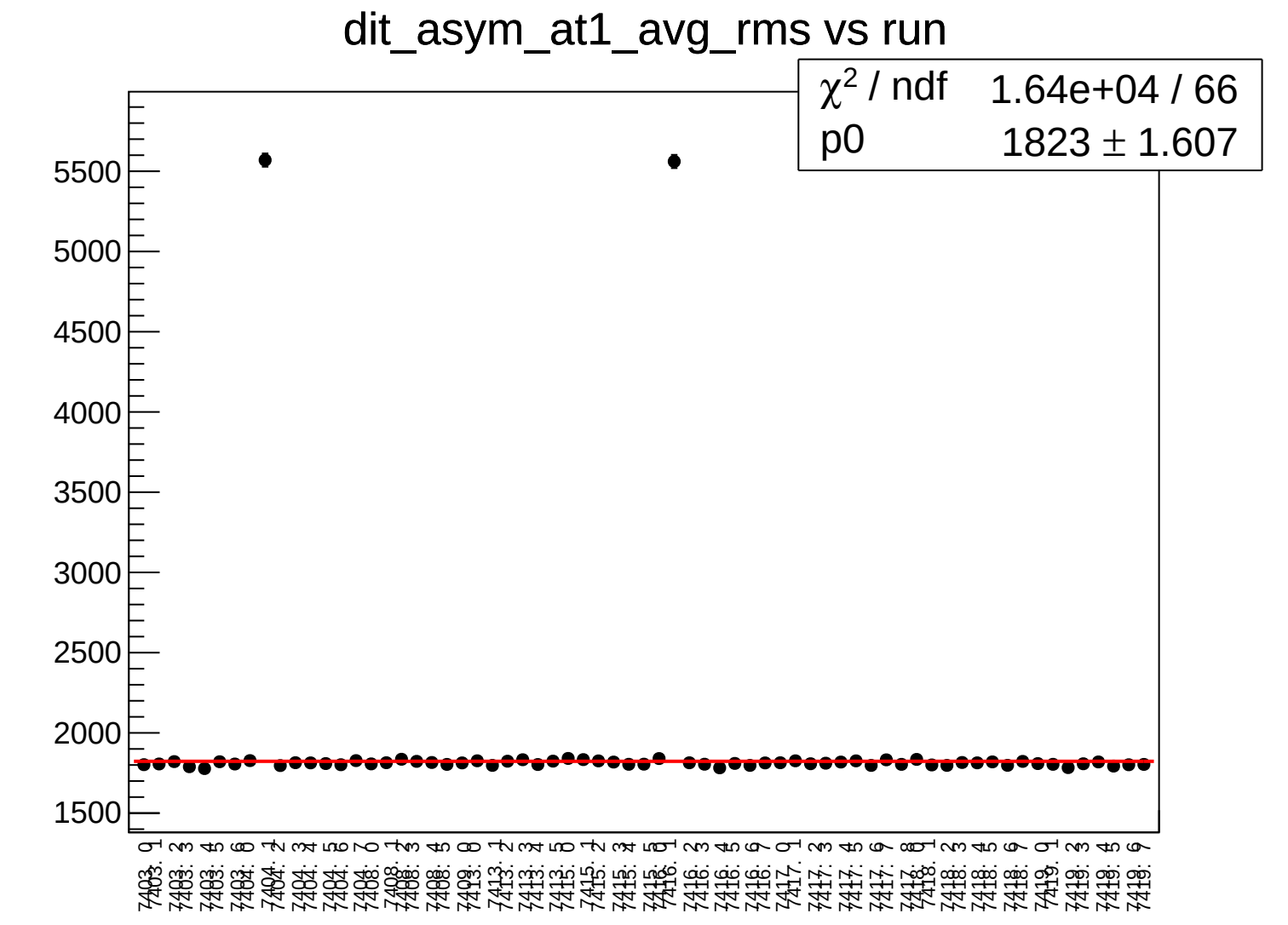

asym_usr_mean vs run
χ² / ndf 48.33 / 66
p0 1667 ± 2245
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 67
Mean 12.3
Std Dev 53.48
3
2
1
0
−1
−2

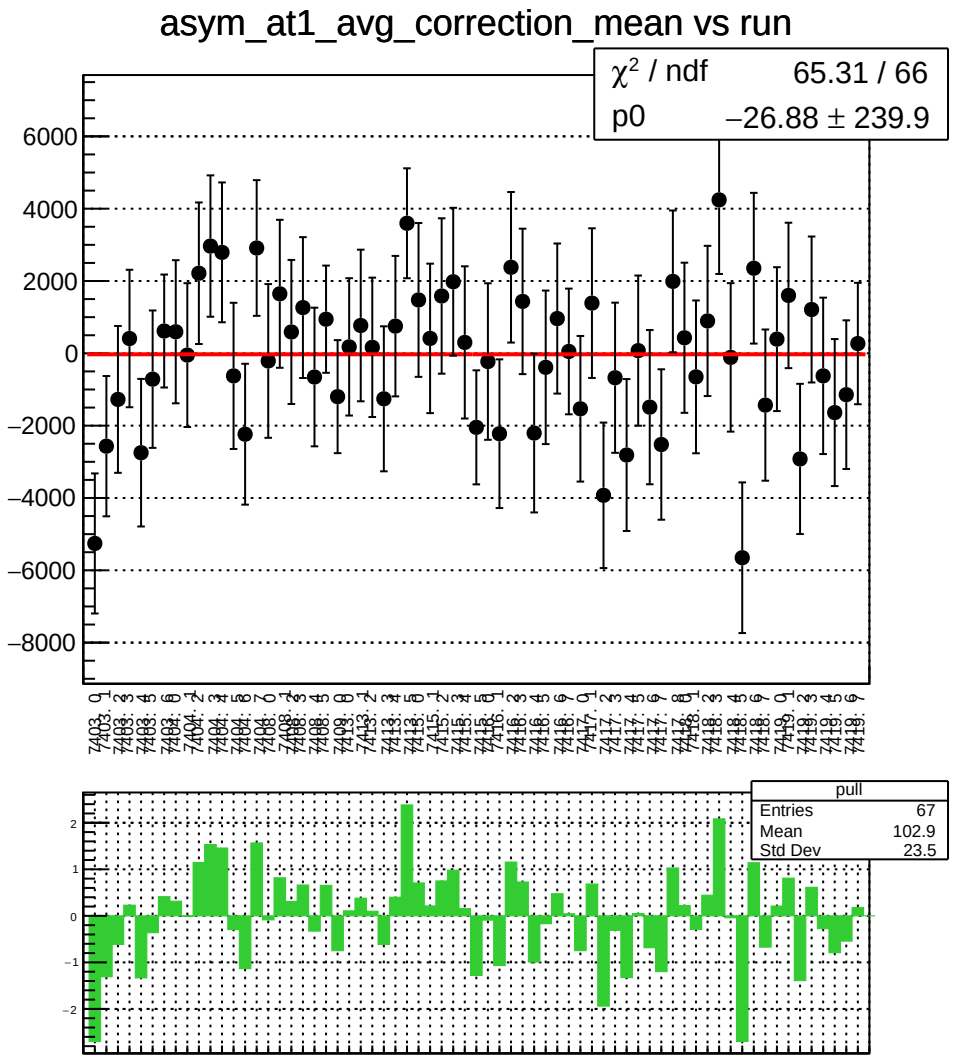

pull1D
Entries 67
Mean −0.01806
Std Dev 0.8492
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

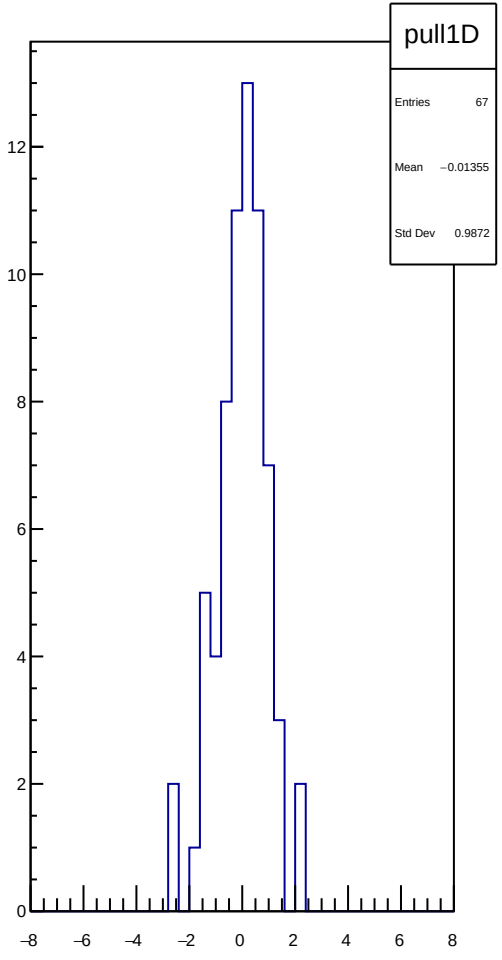

asym_usr_rms vs run
χ² / ndf 1103 / 66
p0 1811 ± 1.587
1950
1900
1850
1800
1750
1700

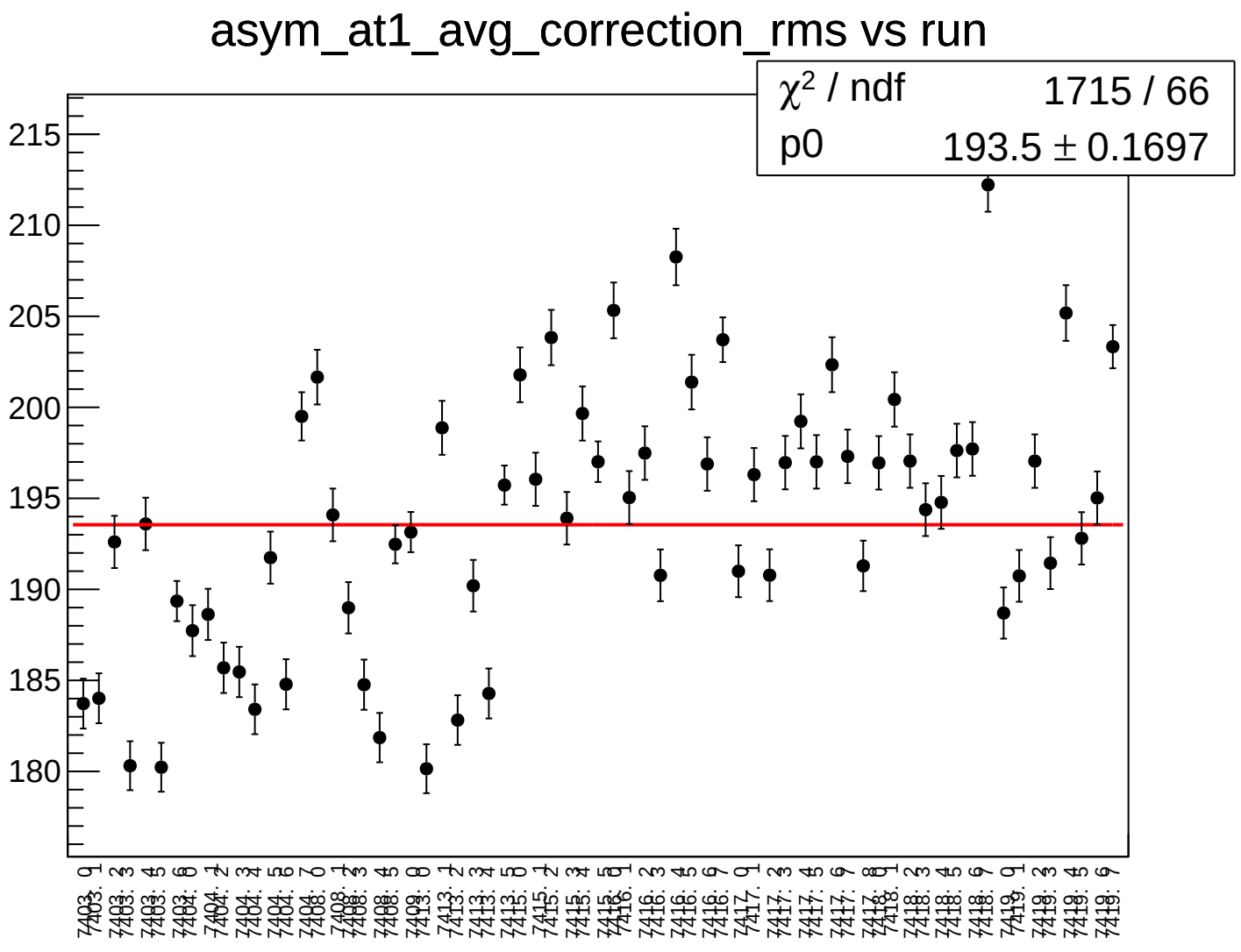

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 59.08 / 66
p0 5646 ± 2273
pull
Entries 67
Mean −160.4
Std Dev 192

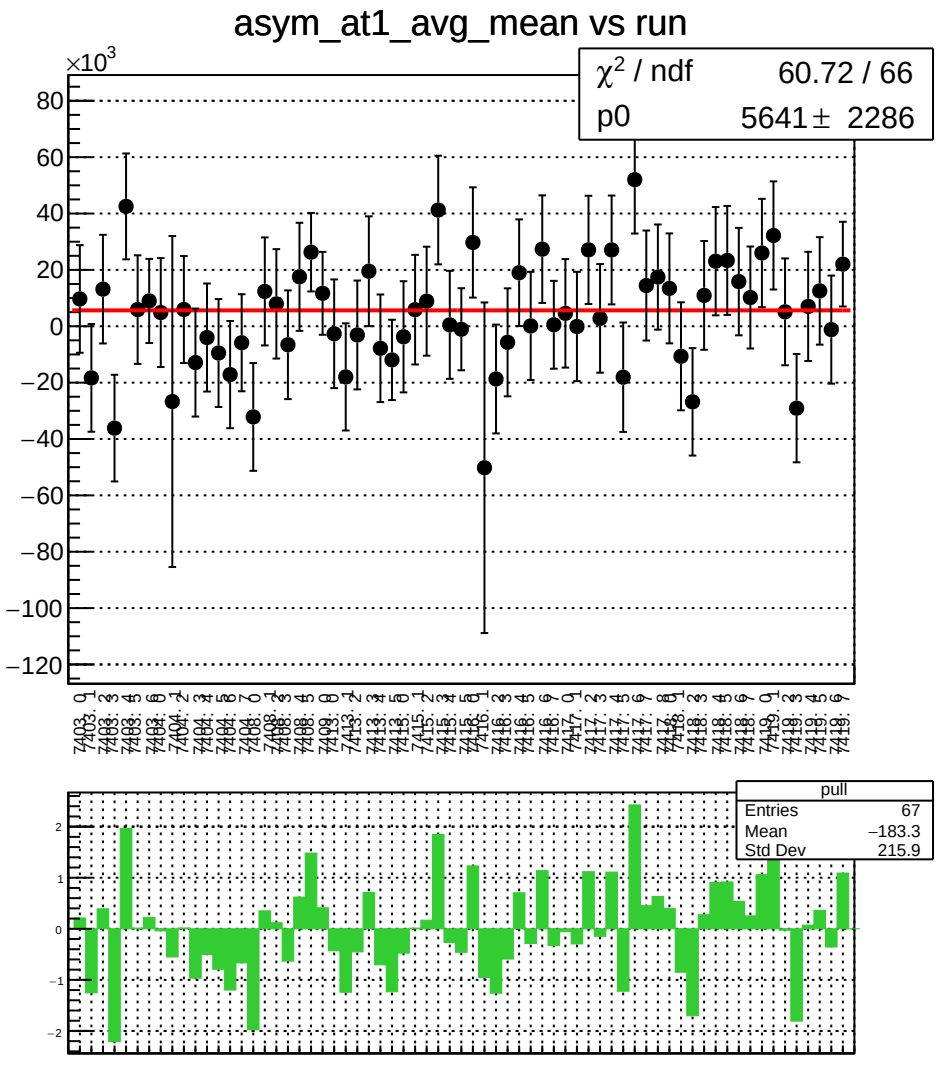

pull1D
Entries 67
Mean −0.02167
Std Dev 0.9388

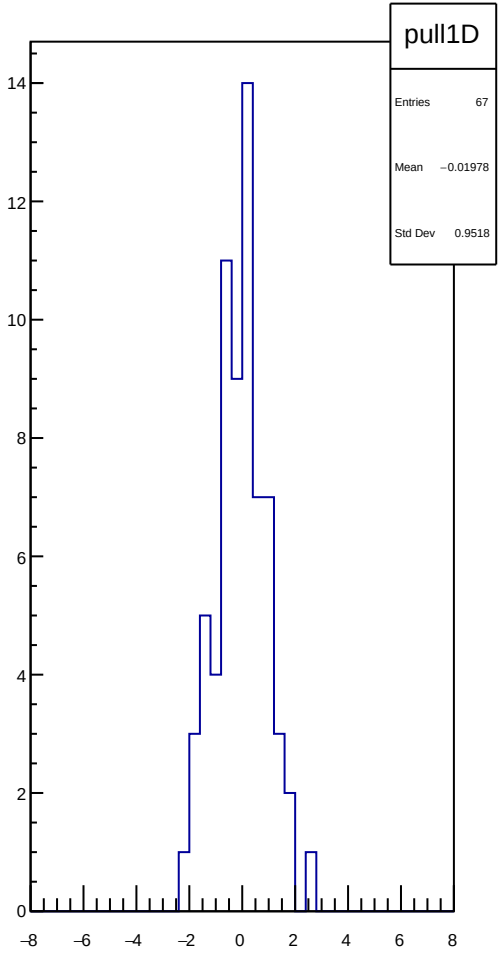

dit_asym_at1_avg_rms vs run
χ² / ndf 1.64e+04 / 66
p0 1823 ± 1.607
5500
5000
4500
4000
3500
3000
2500
2000
1500

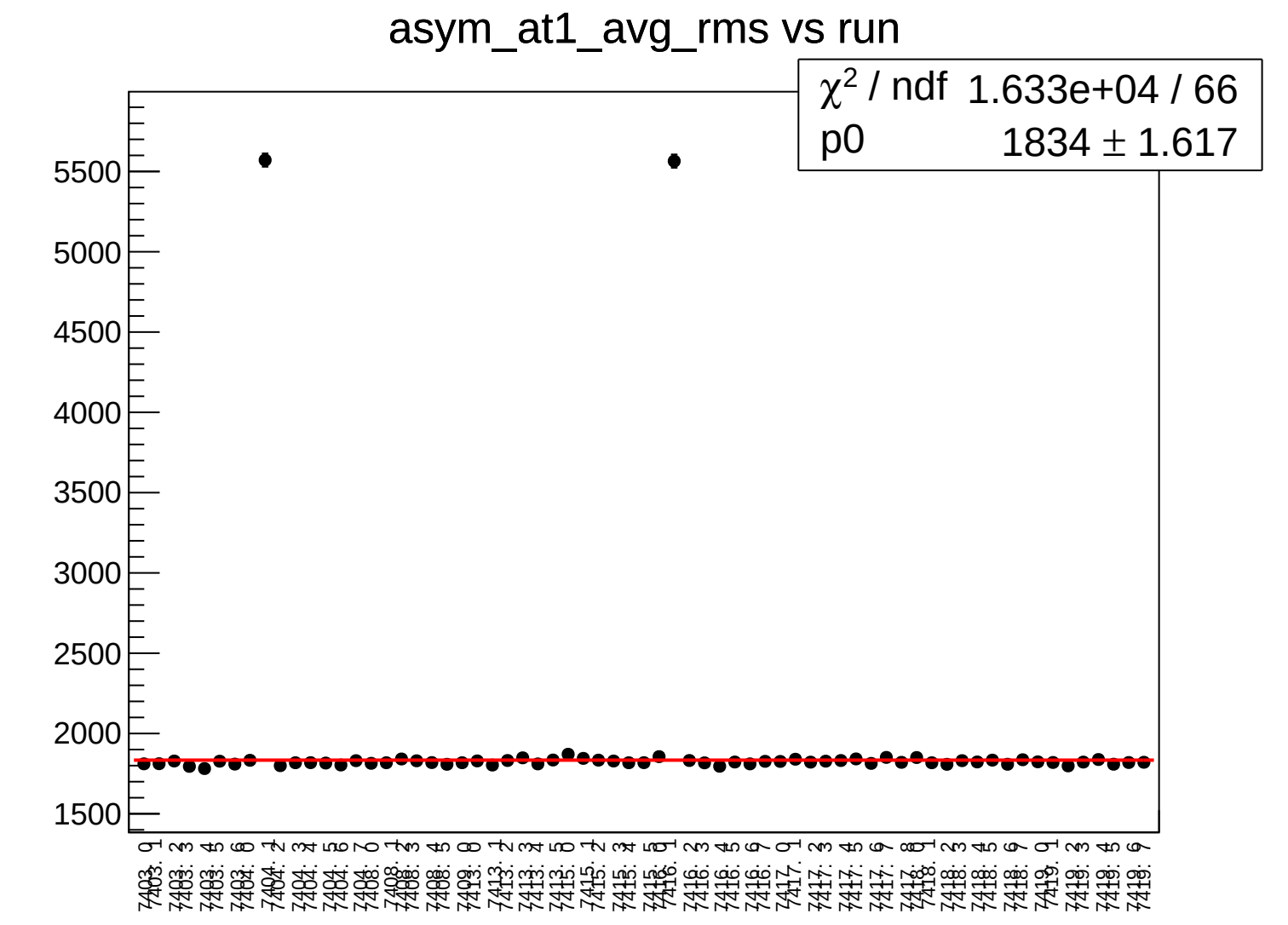

asym_at1_avg_correction_mean vs run
χ² / ndf 65.31 / 66
p0 −26.88 ± 239.9
pull
Entries 67
Mean 102.9
Std Dev 23.5

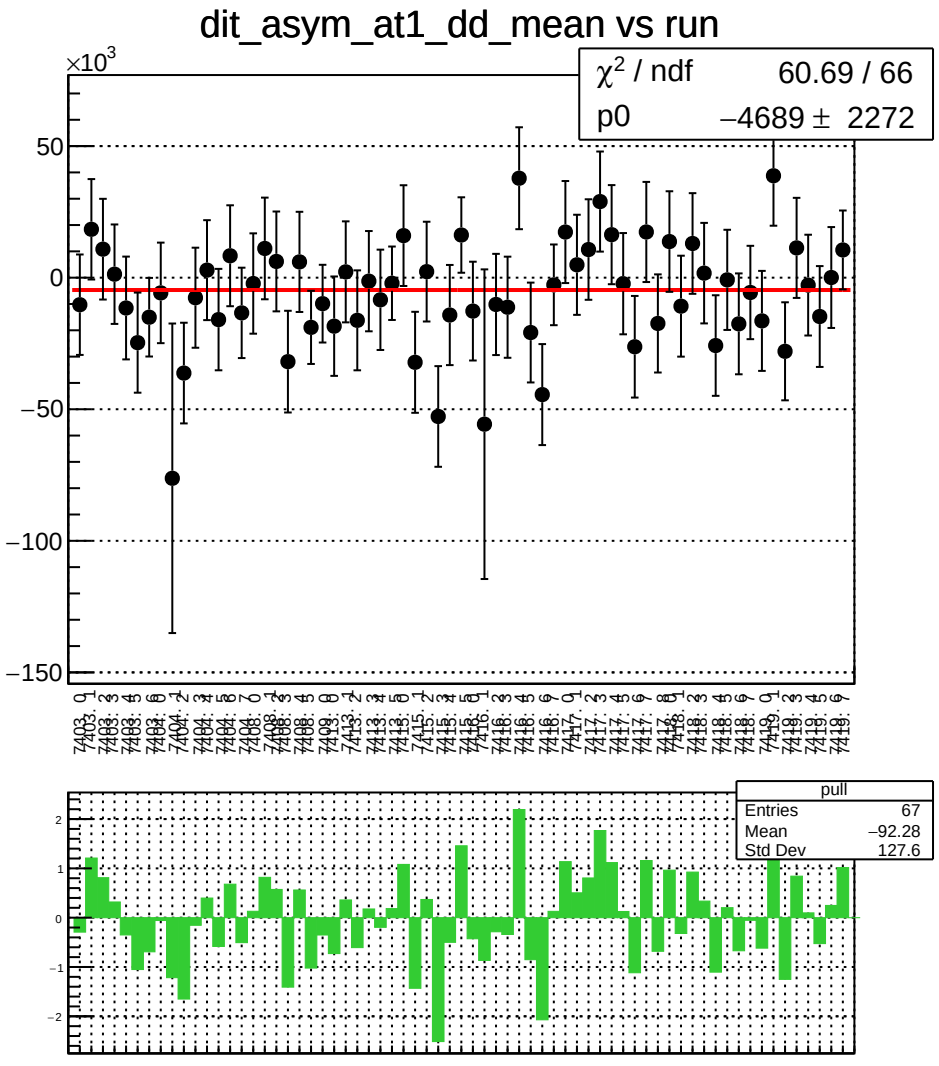

pull1D
Entries 67
Mean −0.01355
Std Dev 0.9872

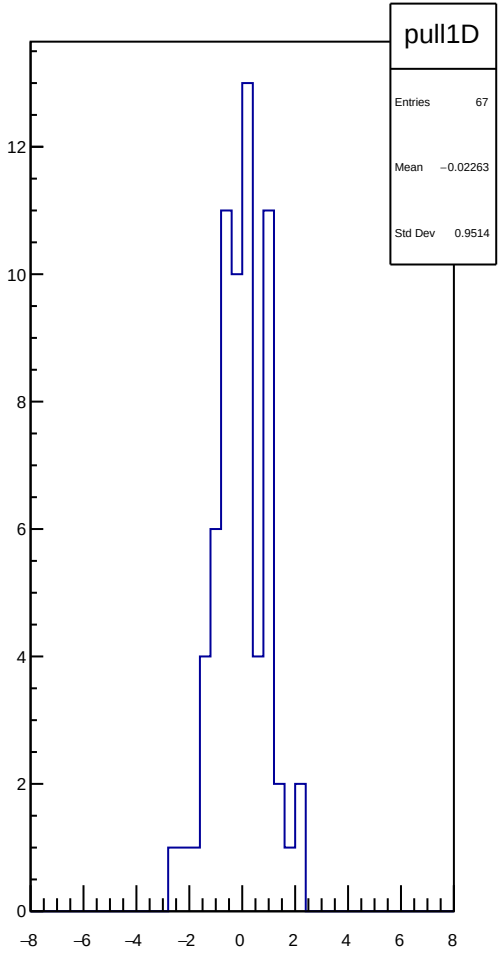

asym_at1_avg_correction_rms vs run
χ² / ndf 1715 / 66
p0 193.5 ± 0.1697
215
210
205
200
195
190
185
180

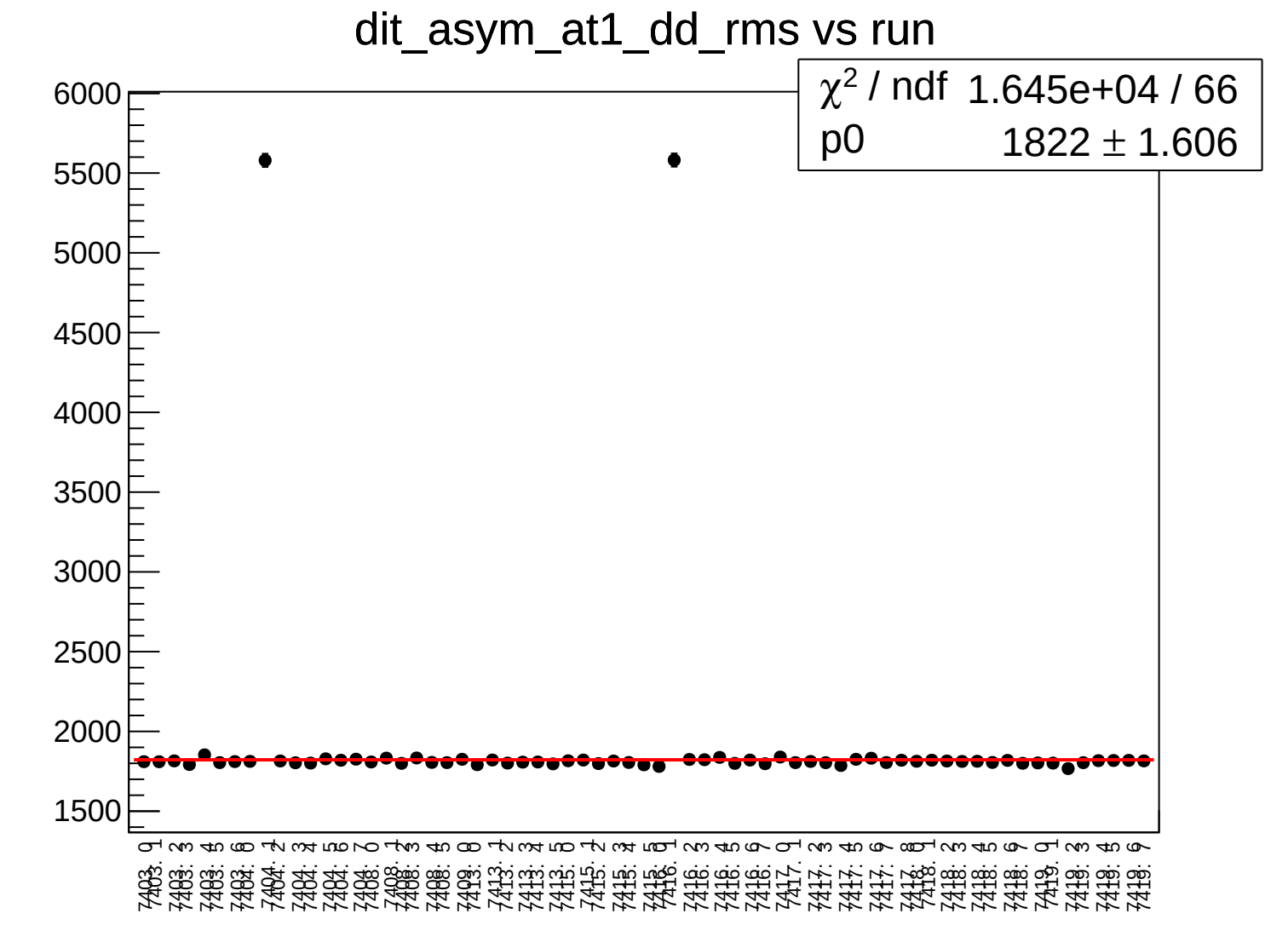

asym_at1_avg_mean vs run
×10^3
χ² / ndf 60.72 / 66
p0 5641 ± 2286
pull
Entries 67
Mean −183.3
Std Dev 215.9

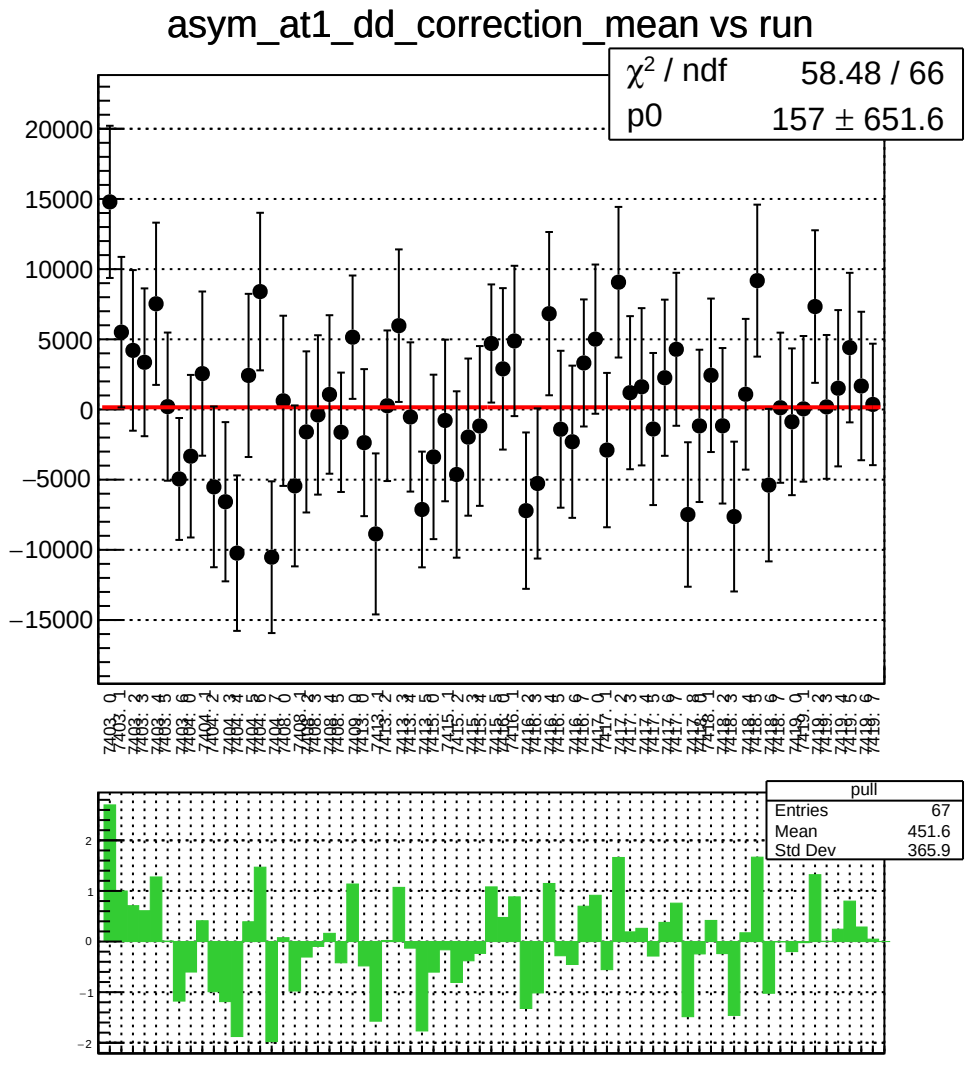

pull1D
Entries 67
Mean −0.01978
Std Dev 0.9518

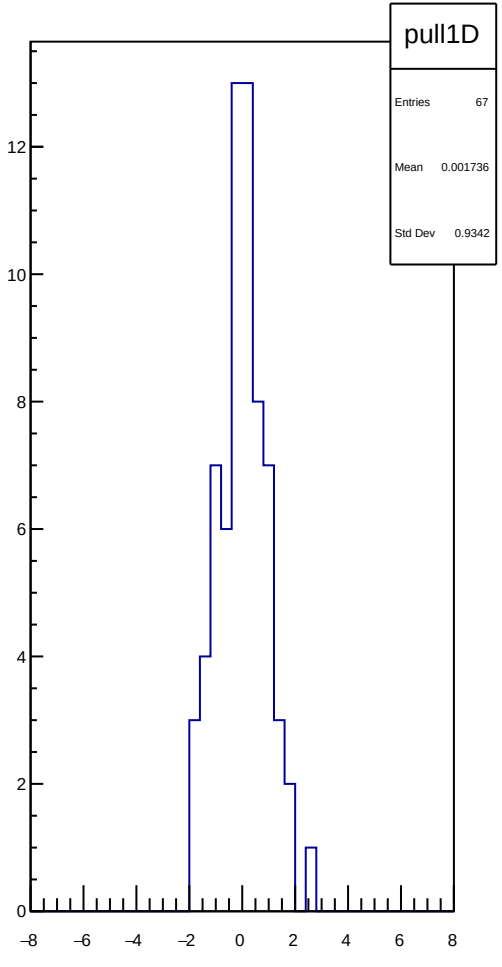

asym_at1_avg_rms vs run
χ² / ndf 1.633e+04 / 66
p0 1834 ± 1.617
5500
5000
4500
4000
3500
3000
2500
2000
1500

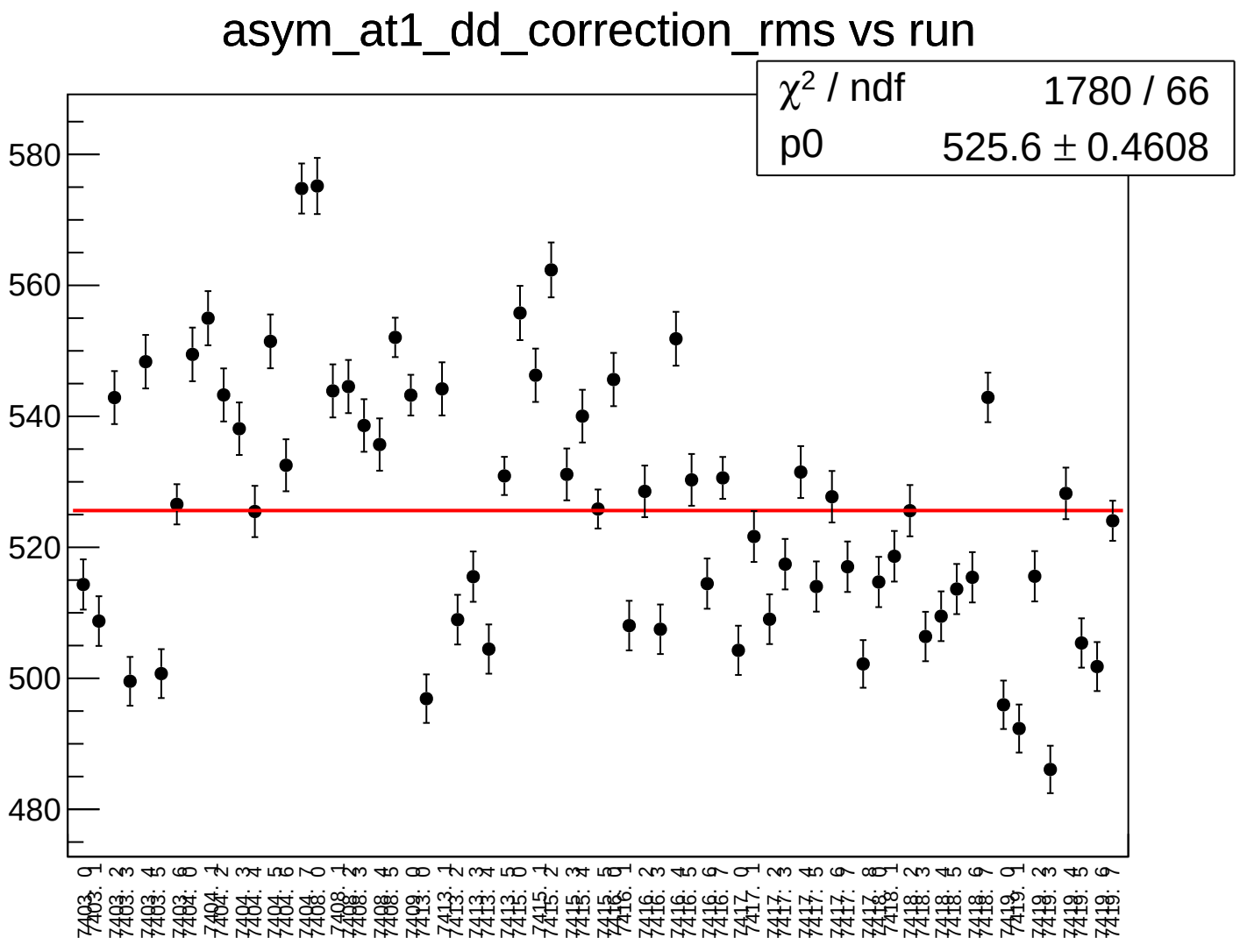

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 60.69 / 66
p0 −4689 ± 2272
50
0
−50
−100
−150
pull
Entries 67
Mean −92.28
Std Dev 127.6
2
1
0
−1
−2

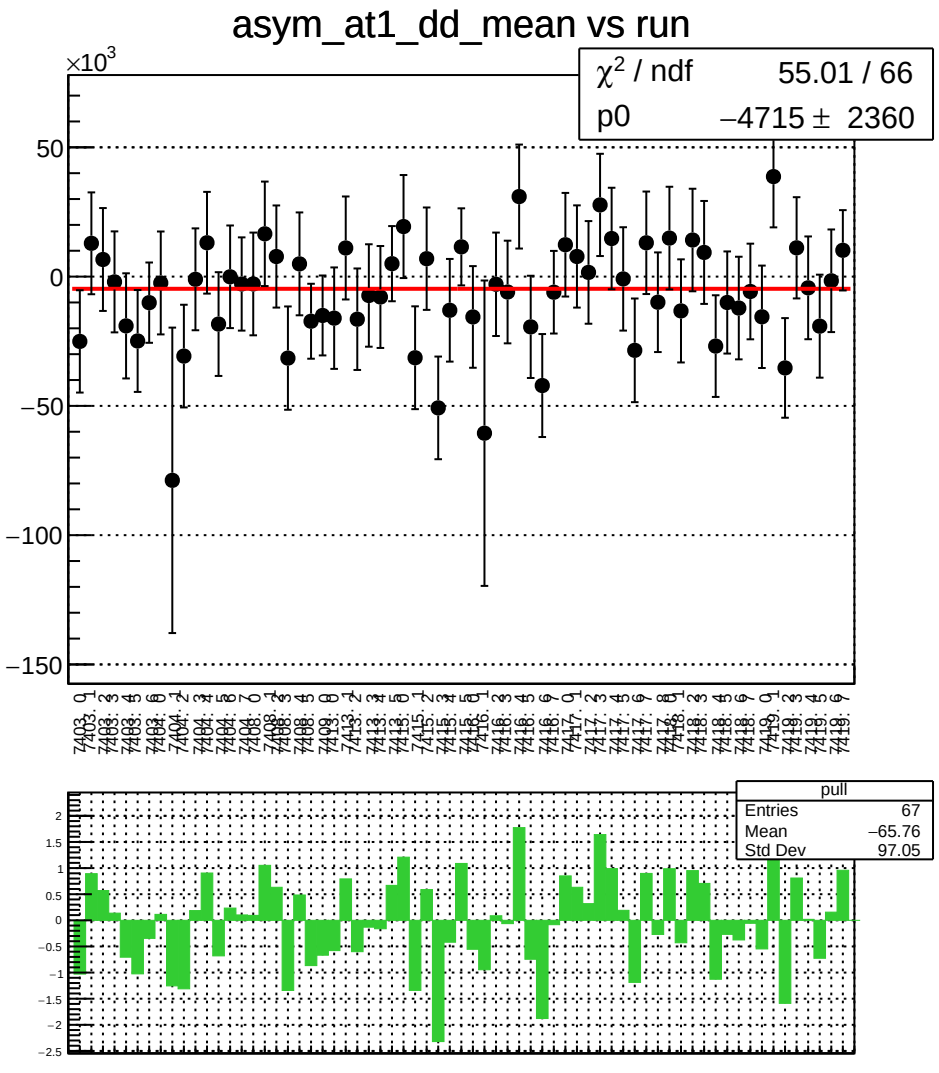

pull1D
Entries 67
Mean −0.02263
Std Dev 0.9514
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

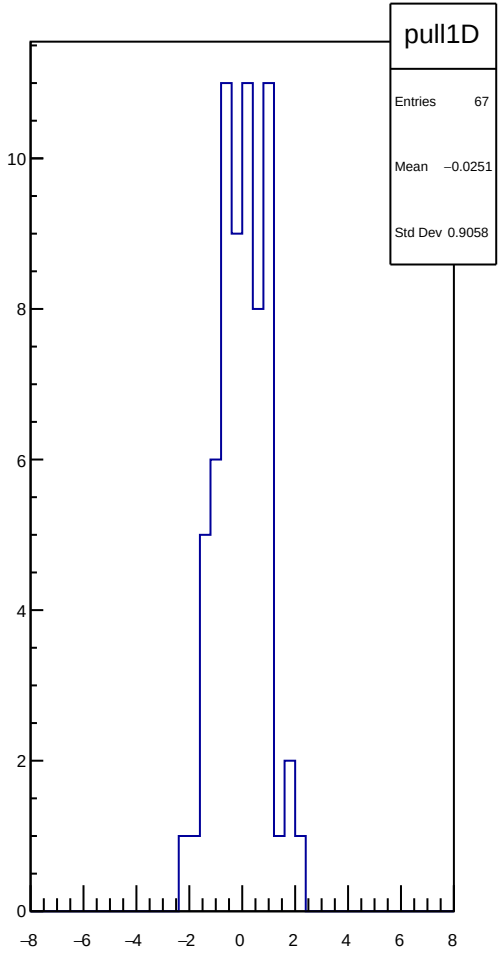

dit_asym_at1_dd_rms vs run
χ² / ndf 1.645e+04 / 66
p0 1822 ± 1.606
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

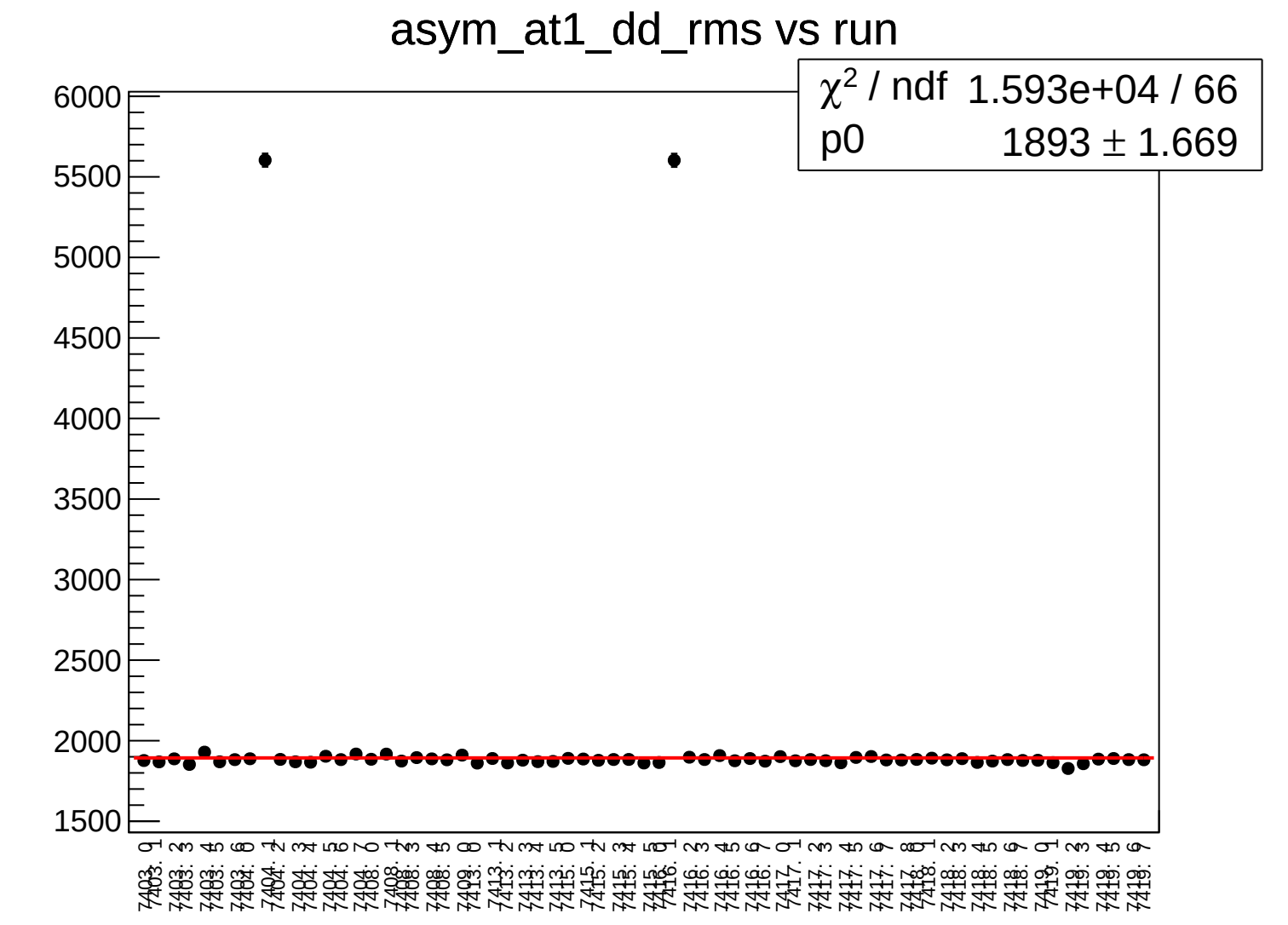

asym_at1_dd_correction_mean vs run
χ² / ndf 58.48 / 66
p0 157 ± 651.6
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 451.6
Std Dev 365.9
2
1
0
−1
−2

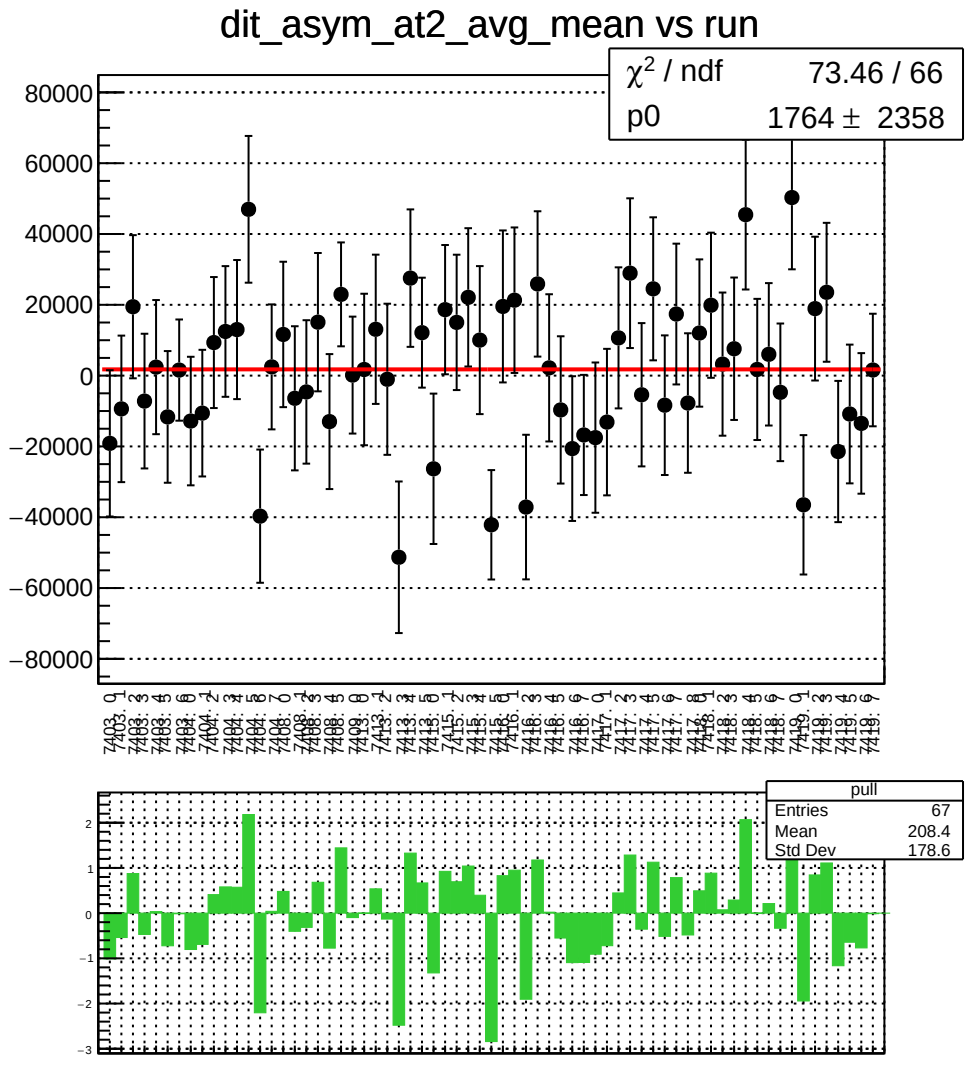

pull1D
Entries 67
Mean 0.001736
Std Dev 0.9342
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

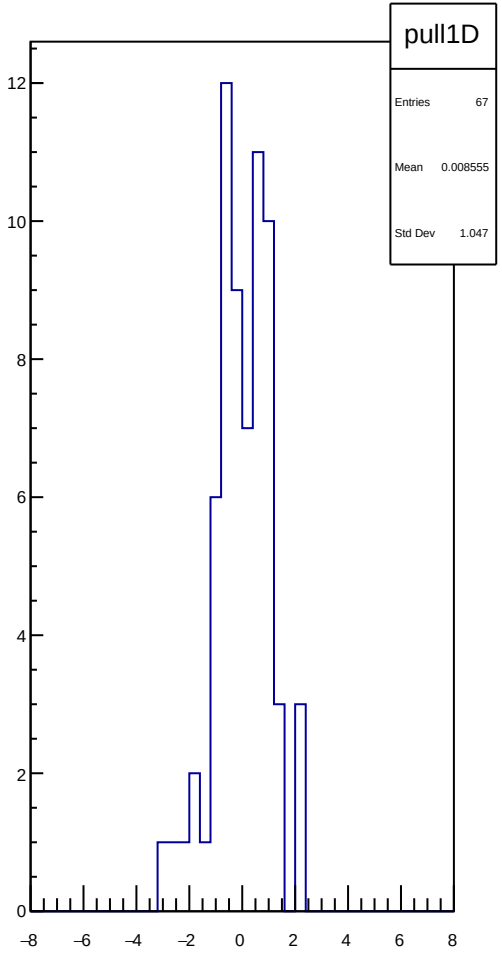

asym_at1_dd_correction_rms vs run
χ² / ndf 1780 / 66
p0 525.6 ± 0.4608
580
560
540
520
500
480

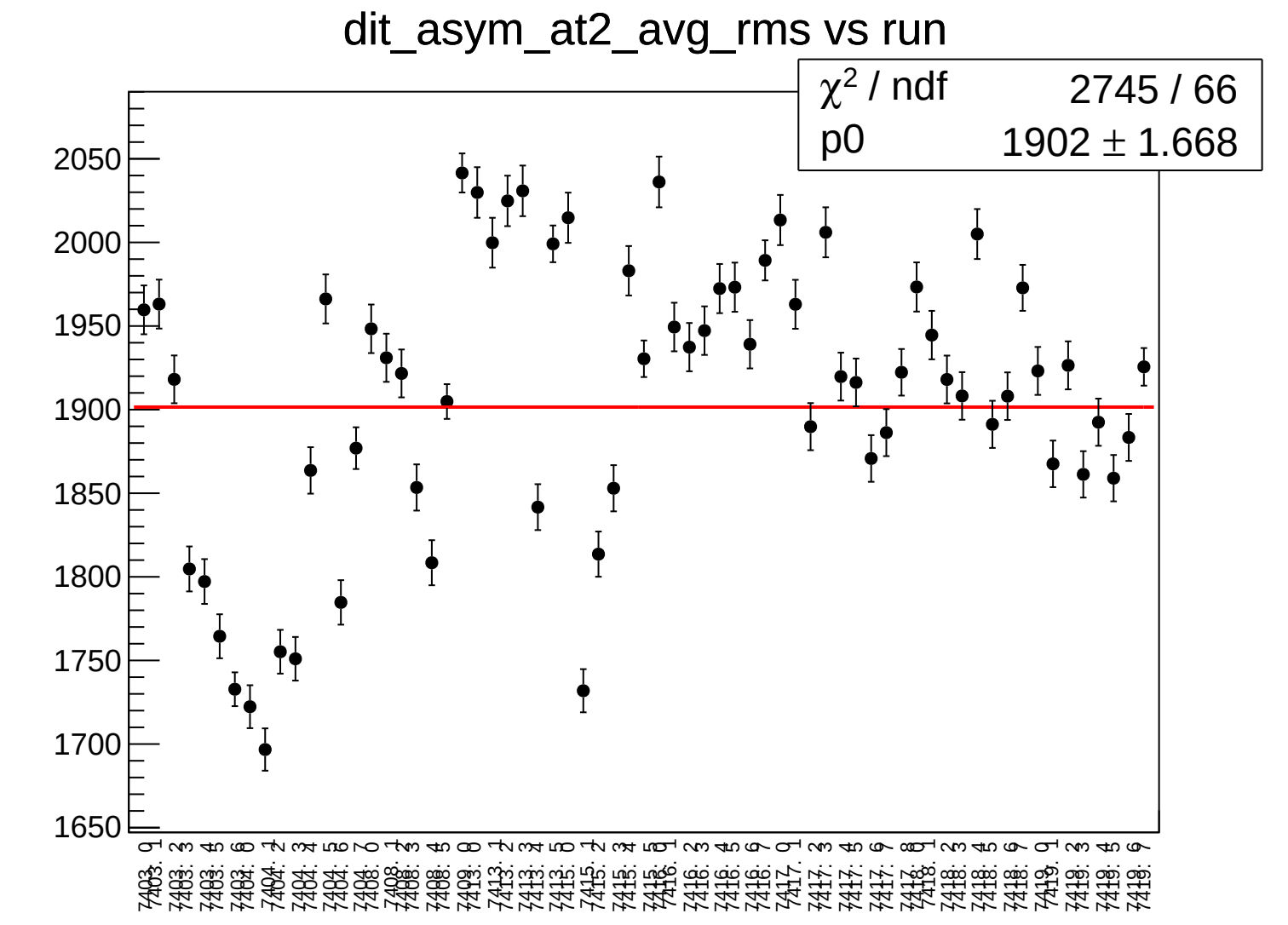

asym_at1_dd_mean vs run
×10^3
χ² / ndf 55.01 / 66
p0 −4715 ± 2360
50
0
−50
−100
−150
pull
Entries 67
Mean −65.76
Std Dev 97.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

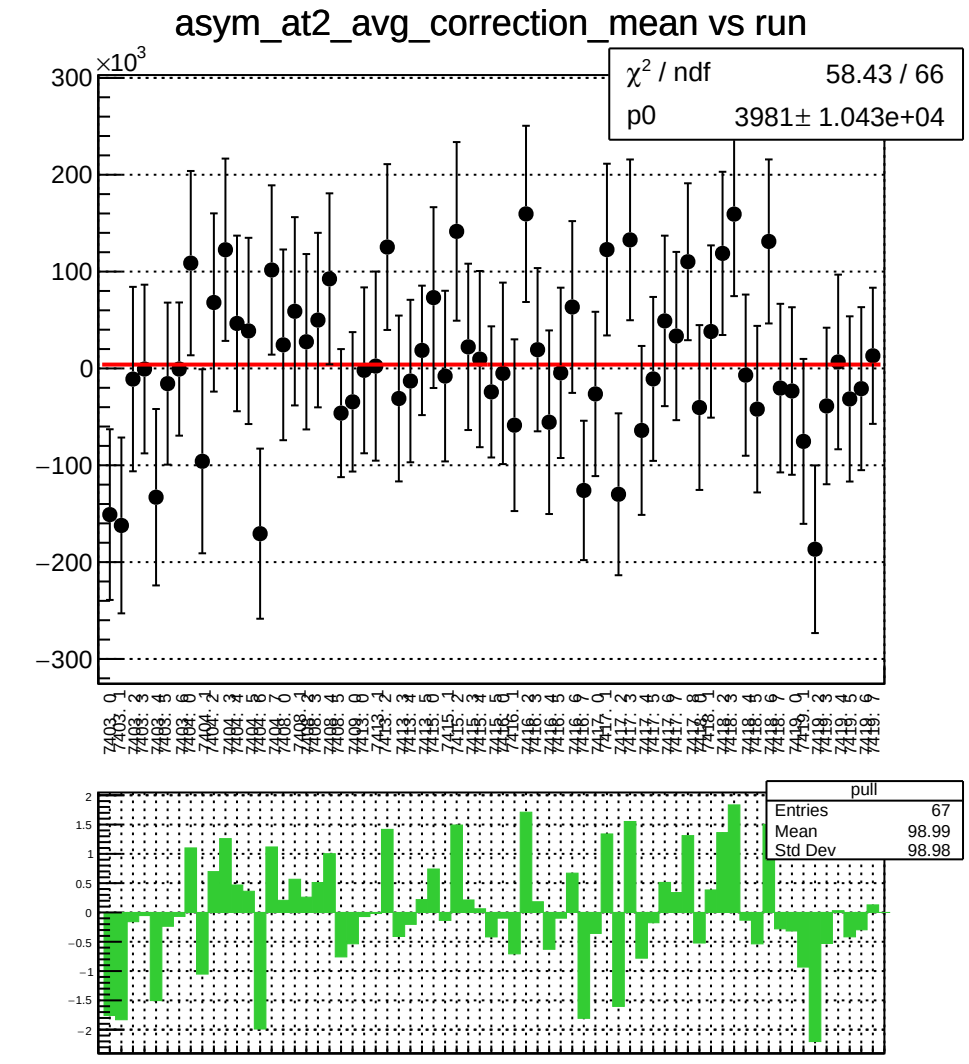

pull1D
Entries 67
Mean −0.0251
Std Dev 0.9058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

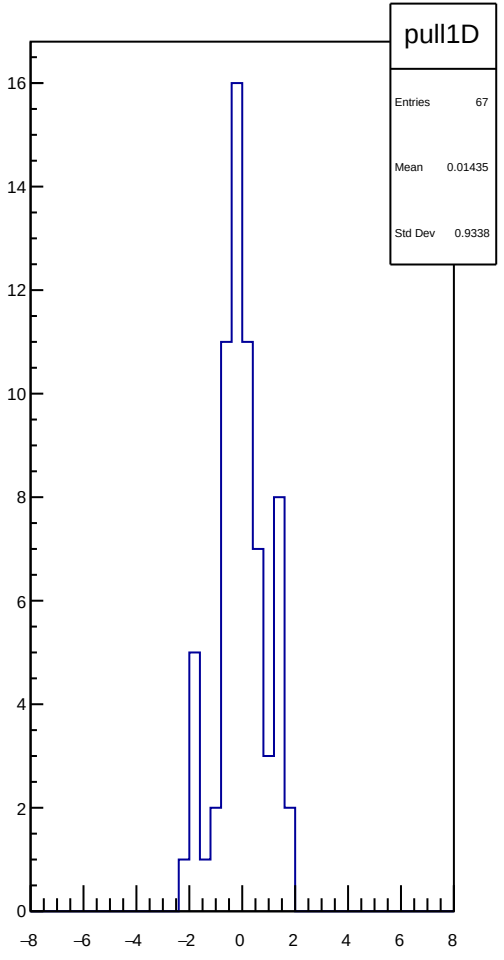

asym_at1_dd_rms vs run
$\chi^2$ / ndf 1.593e+04 / 66
p0 1893 ± 1.669
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

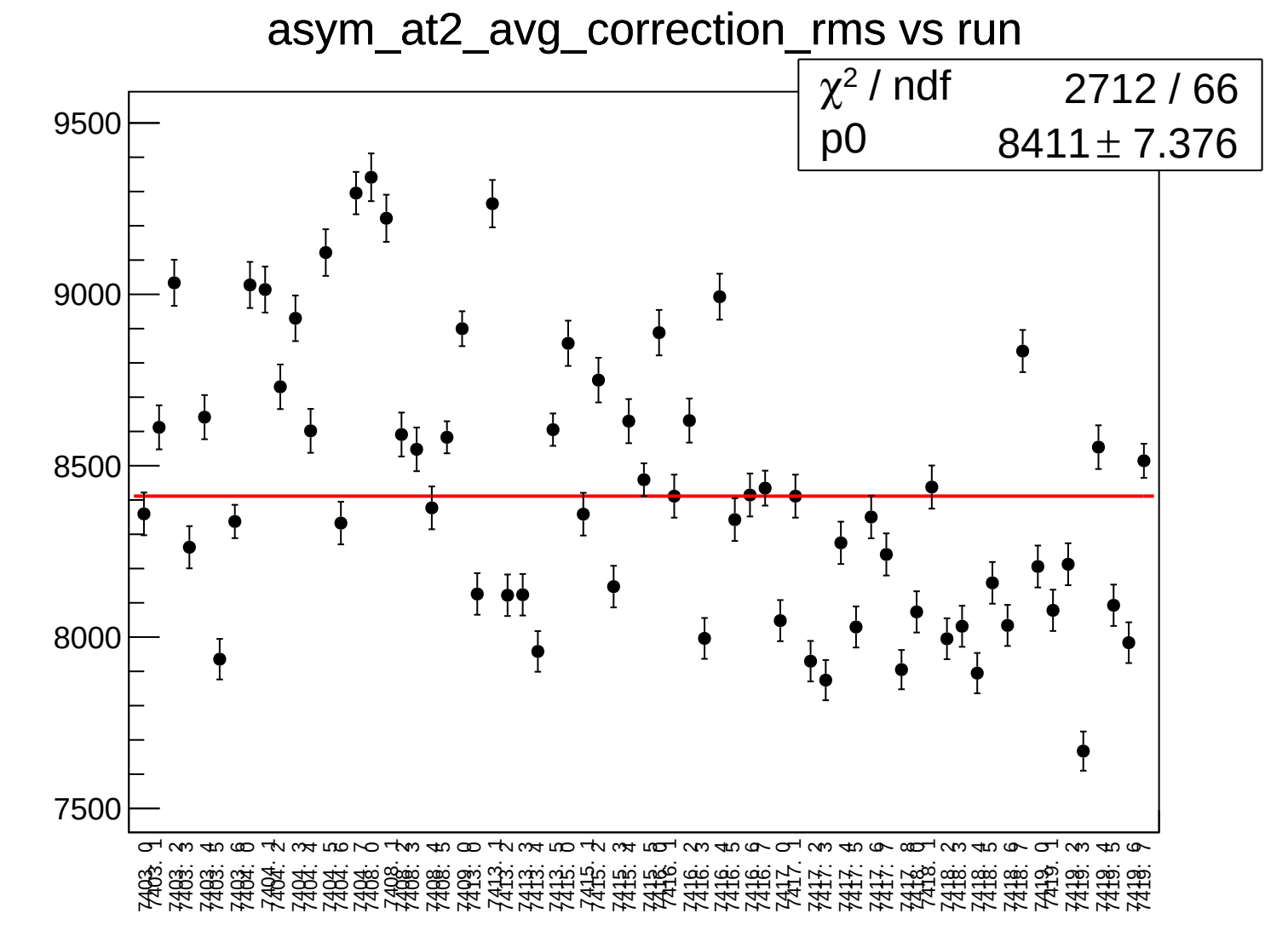

dit_asym_at2_avg_mean vs run
χ² / ndf 73.46 / 66
p0 1764 ± 2358
pull
Entries 67
Mean 208.4
Std Dev 178.6

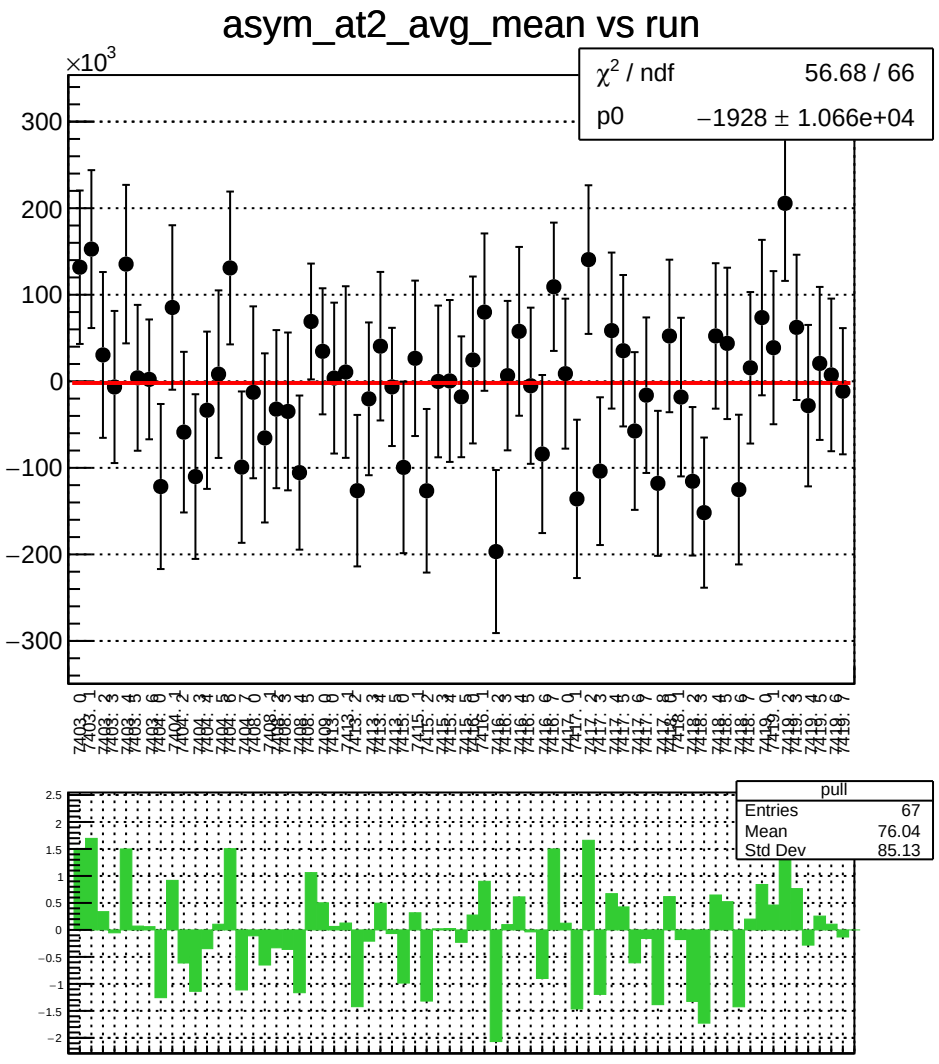

pull1D
Entries 67
Mean 0.008555
Std Dev 1.047

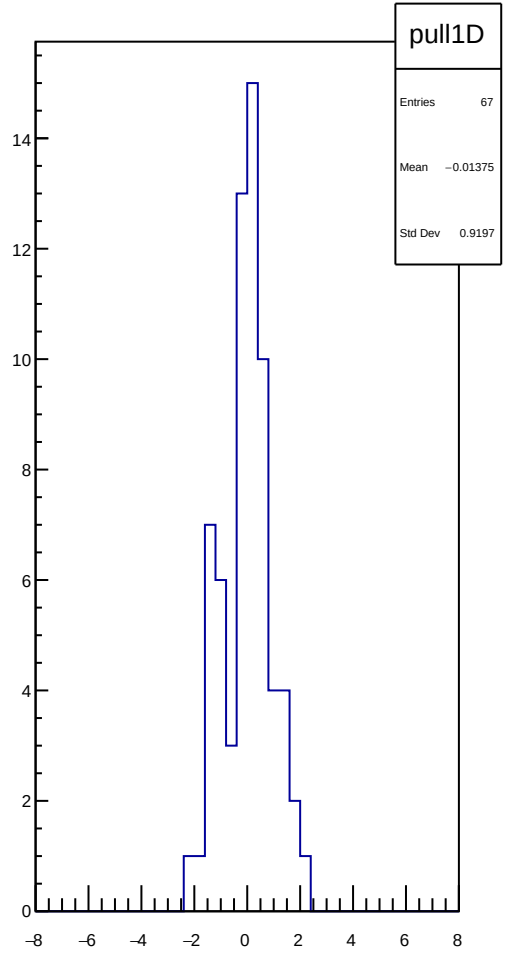

dit_asym_at2_avg_rms vs run
χ² / ndf 2745 / 66
p0 1902 ± 1.668
2050
2000
1950
1900
1850
1800
1750
1700
1650

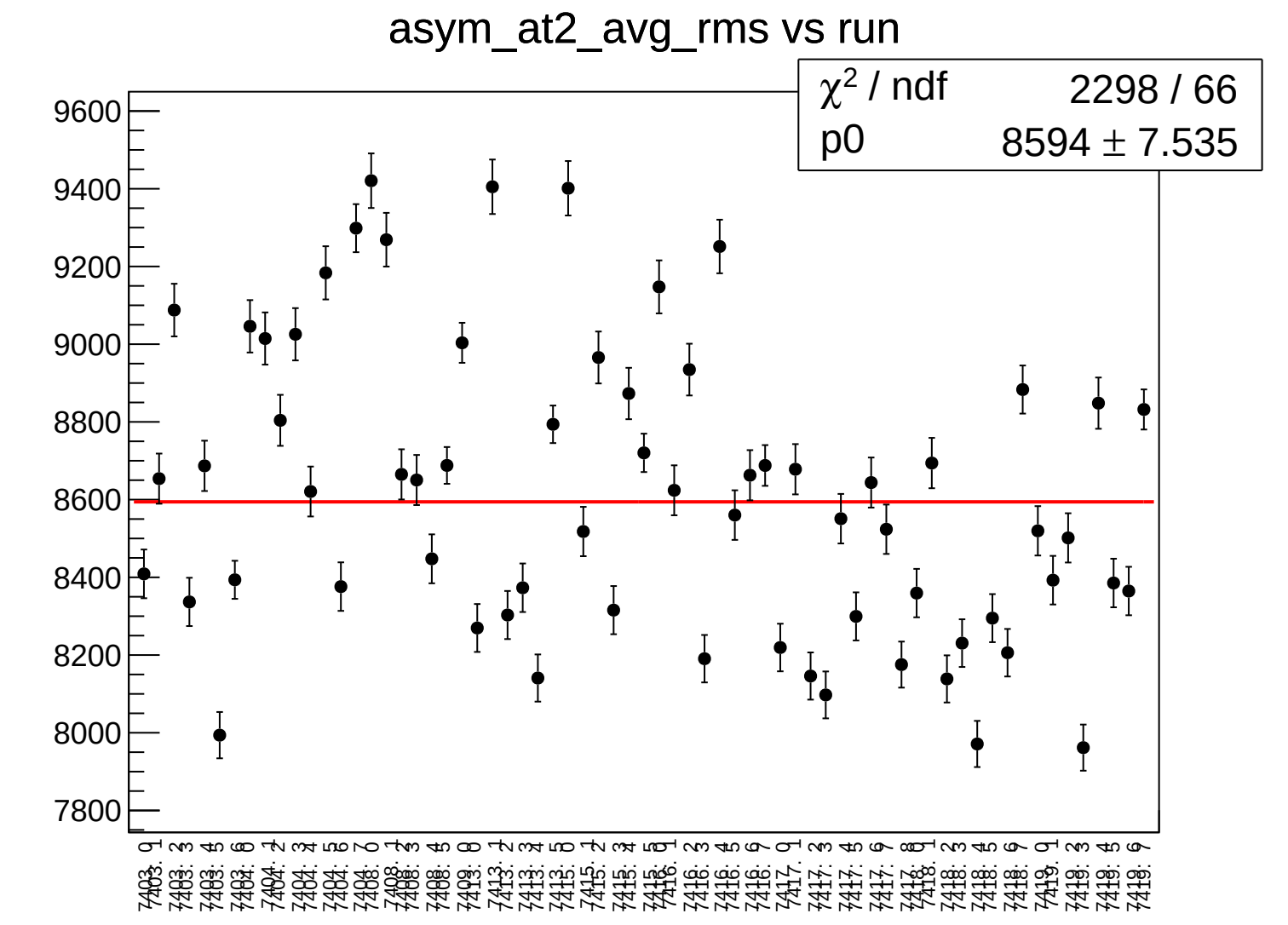

asym_at2_avg_correction_mean vs run
χ² / ndf 58.43 / 66
p0 3981± 1.043e+04
pull
Entries 67
Mean 98.99
Std Dev 98.98

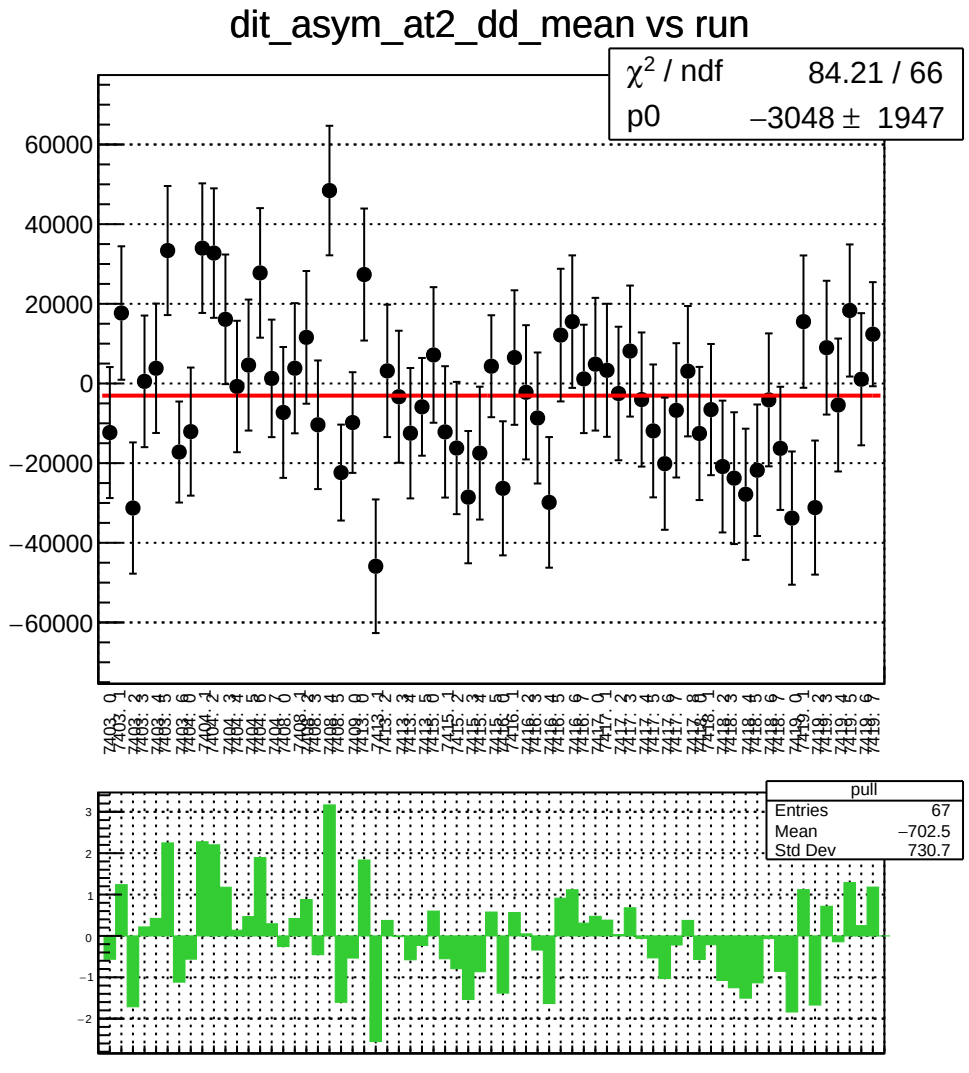

pull1D
Entries 67
Mean 0.01435
Std Dev 0.9338

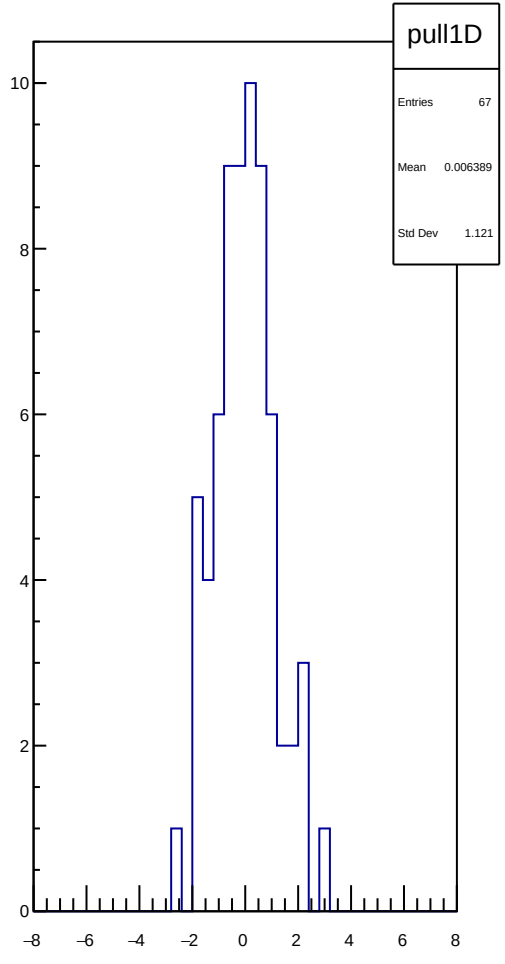

asym_at2_avg_correction_rms vs run
χ² / ndf 2712 / 66
p0 8411 ± 7.376
9500
9000
8500
8000
7500

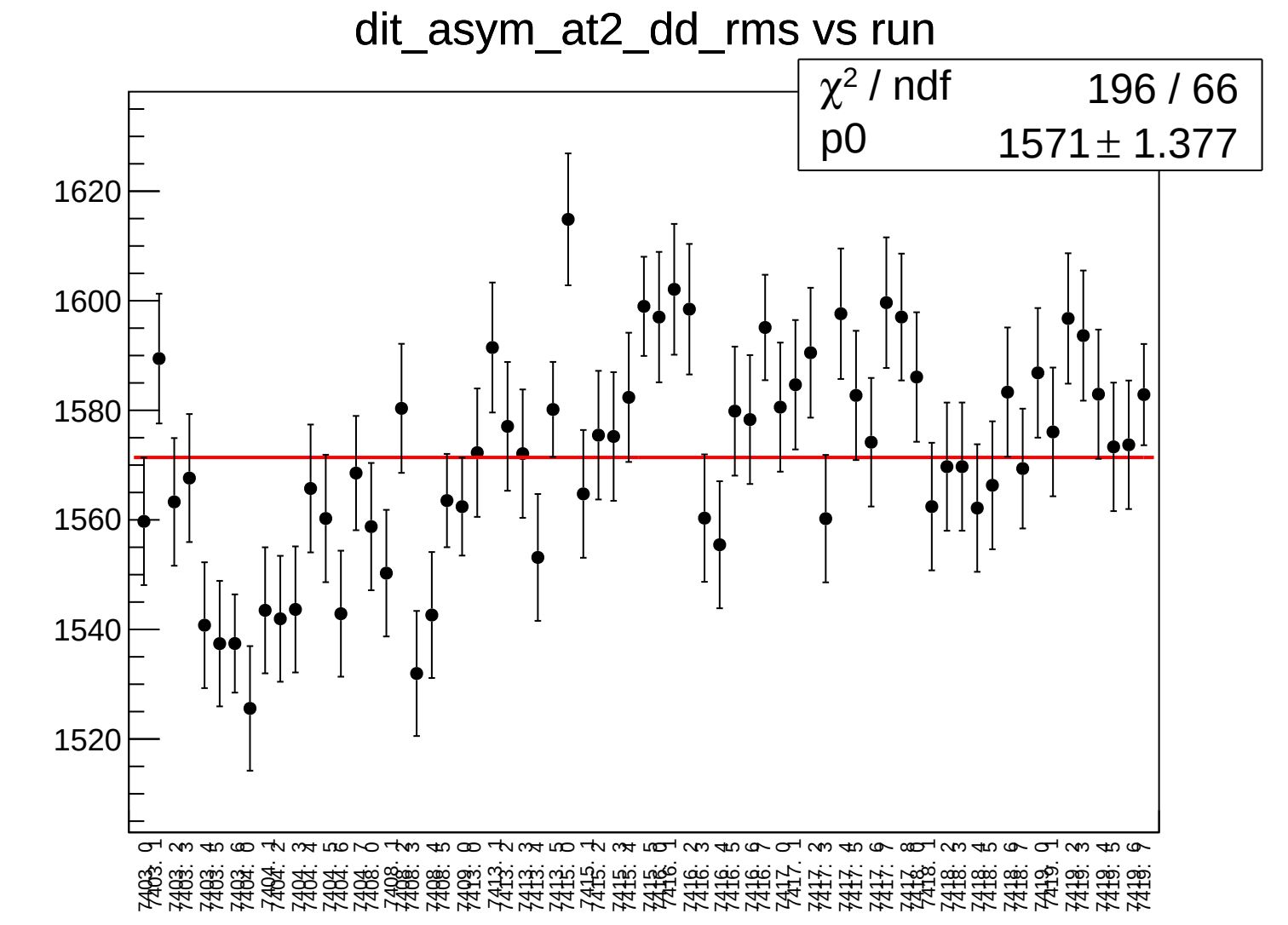

asym_at2_avg_mean vs run
×10^3
χ² / ndf 56.68 / 66
p0 −1928 ± 1.066e+04
300
200
100
0
−100
−200
−300
pull
Entries 67
Mean 76.04
Std Dev 85.13
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

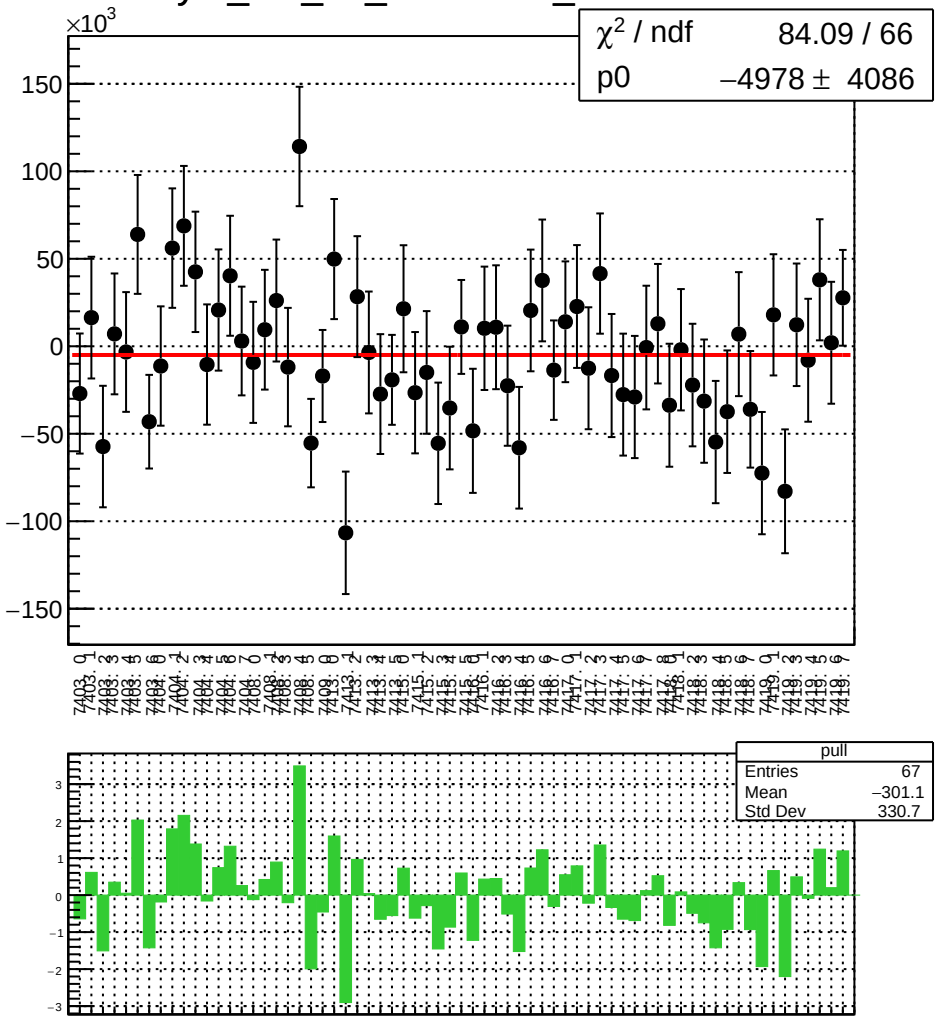

pull1D
Entries 67
Mean −0.01375
Std Dev 0.9197
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

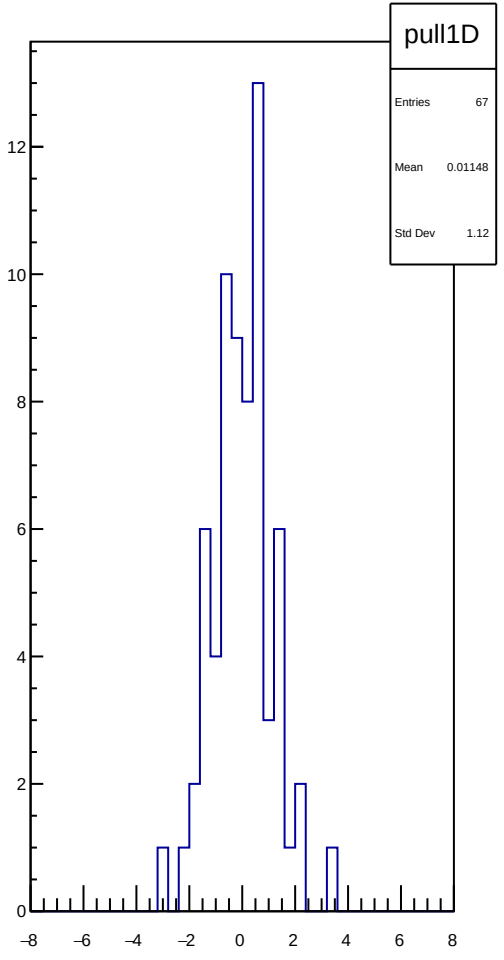

asym_at2_avg_rms vs run
$\chi^2$ / ndf 2298 / 66
p0 8594 ± 7.535
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800

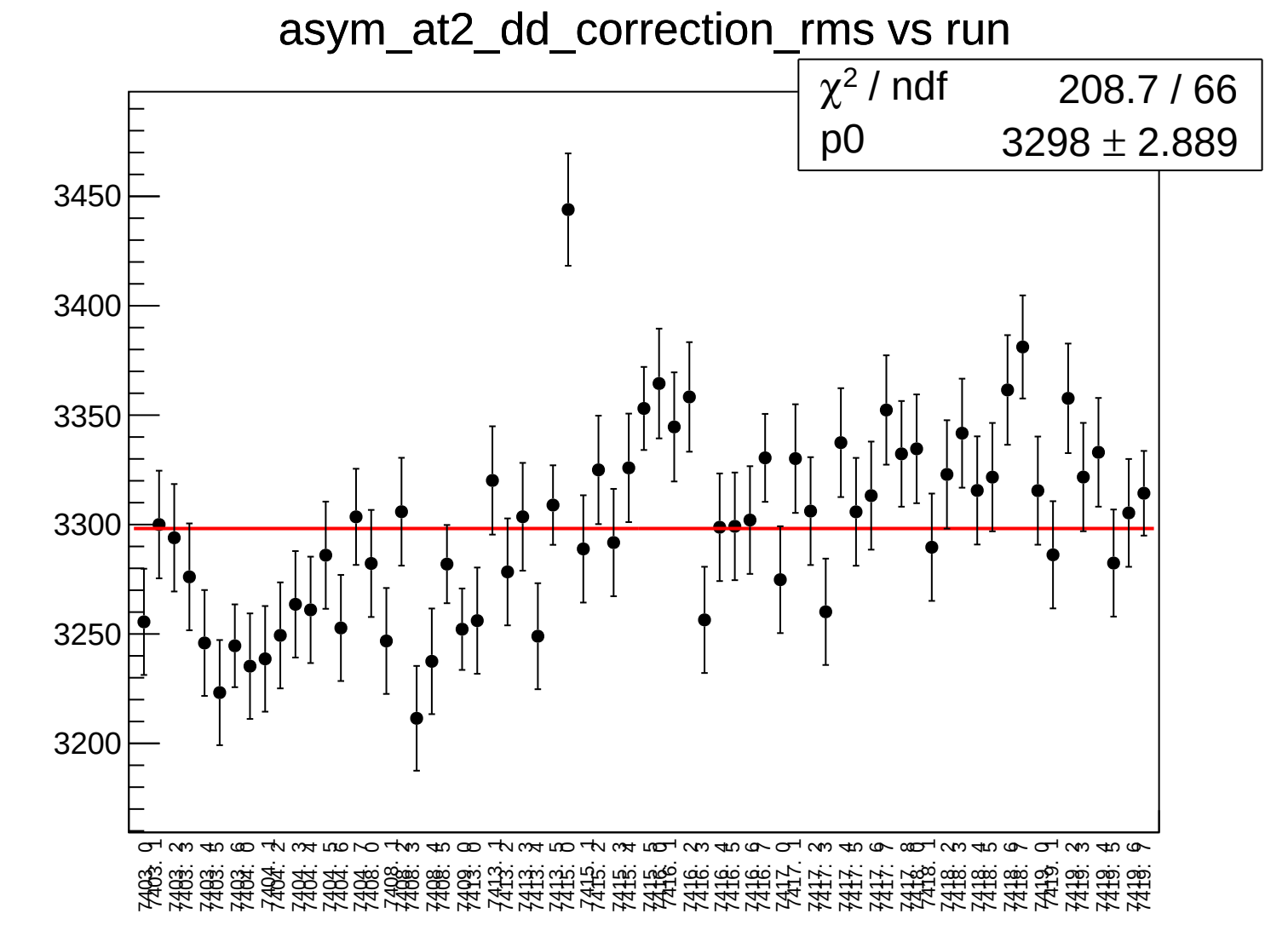

dit_asym_at2_dd_mean vs run
χ² / ndf 84.21 / 66
p0 −3048 ± 1947
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 67
Mean −702.5
Std Dev 730.7
3
2
1
0
−1
−2

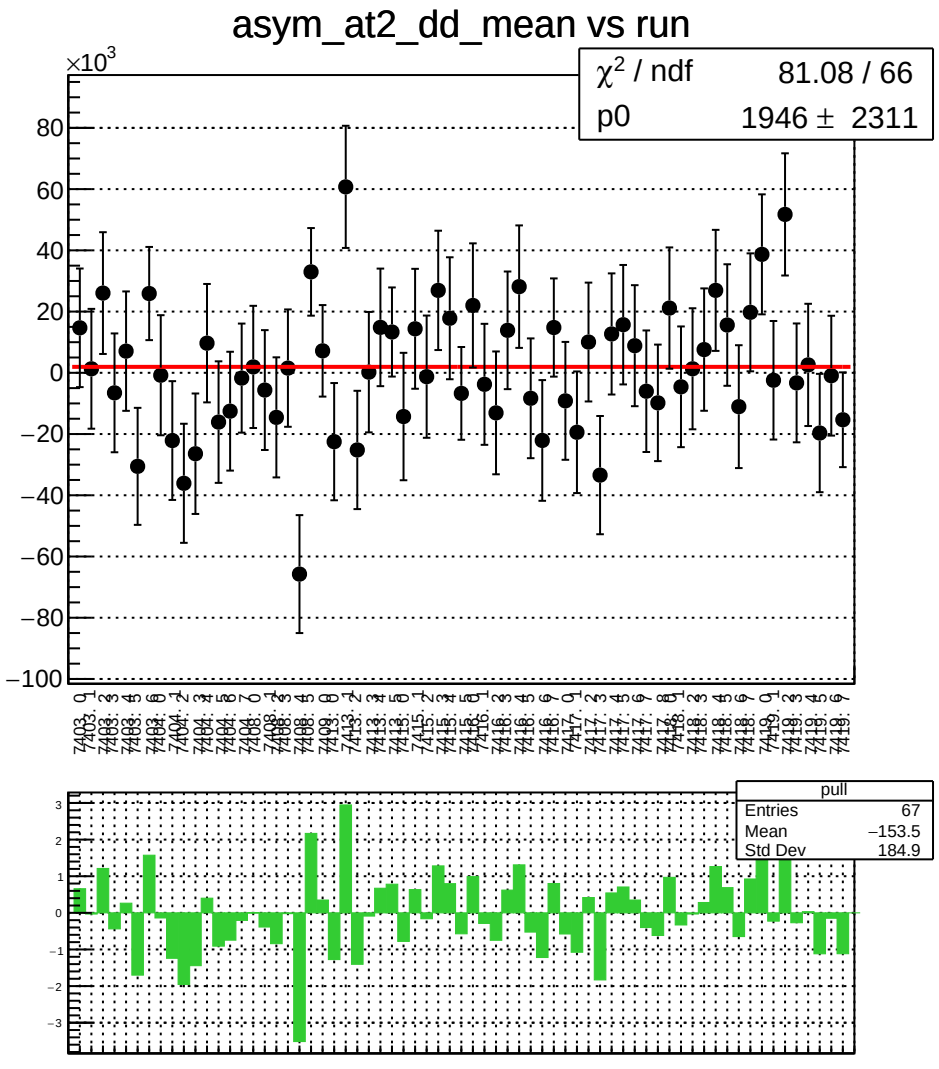

pull1D
Entries 67
Mean 0.006389
Std Dev 1.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

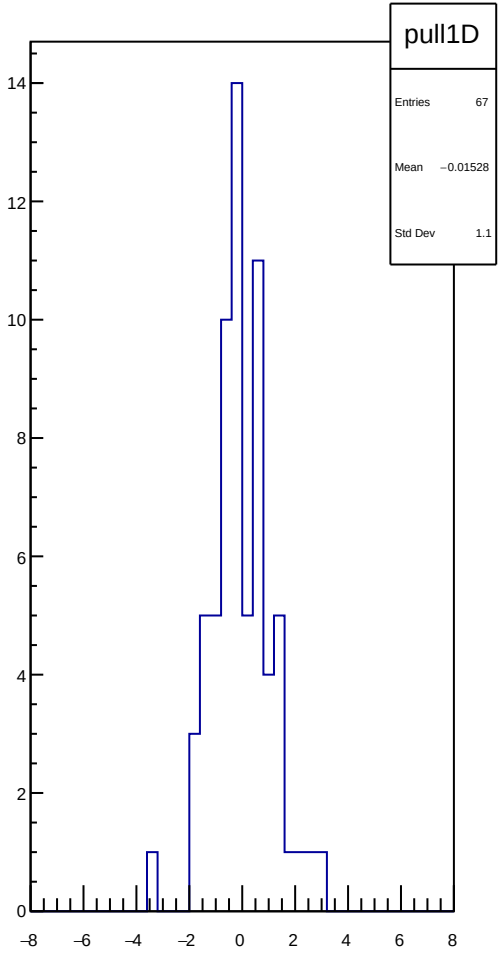

dit_asym_at2_dd_rms vs run
χ² / ndf 196 / 66
p0 1571 ± 1.377
1620
1600
1580
1560
1540
1520

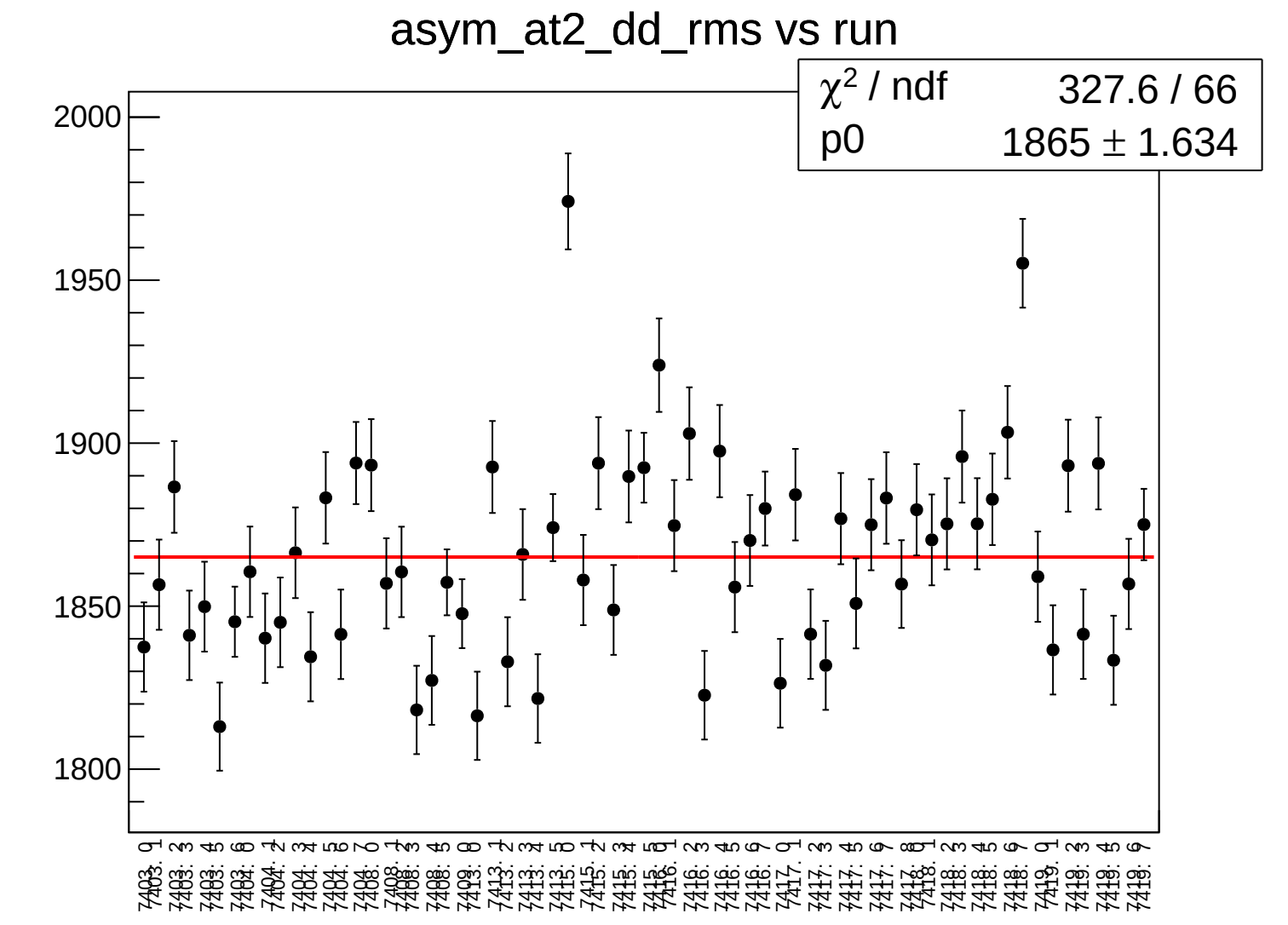

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 84.09 / 66
p0 −4978 ± 4086
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean −301.1
Std Dev 330.7
3
2
1
0
−1
−2
−3

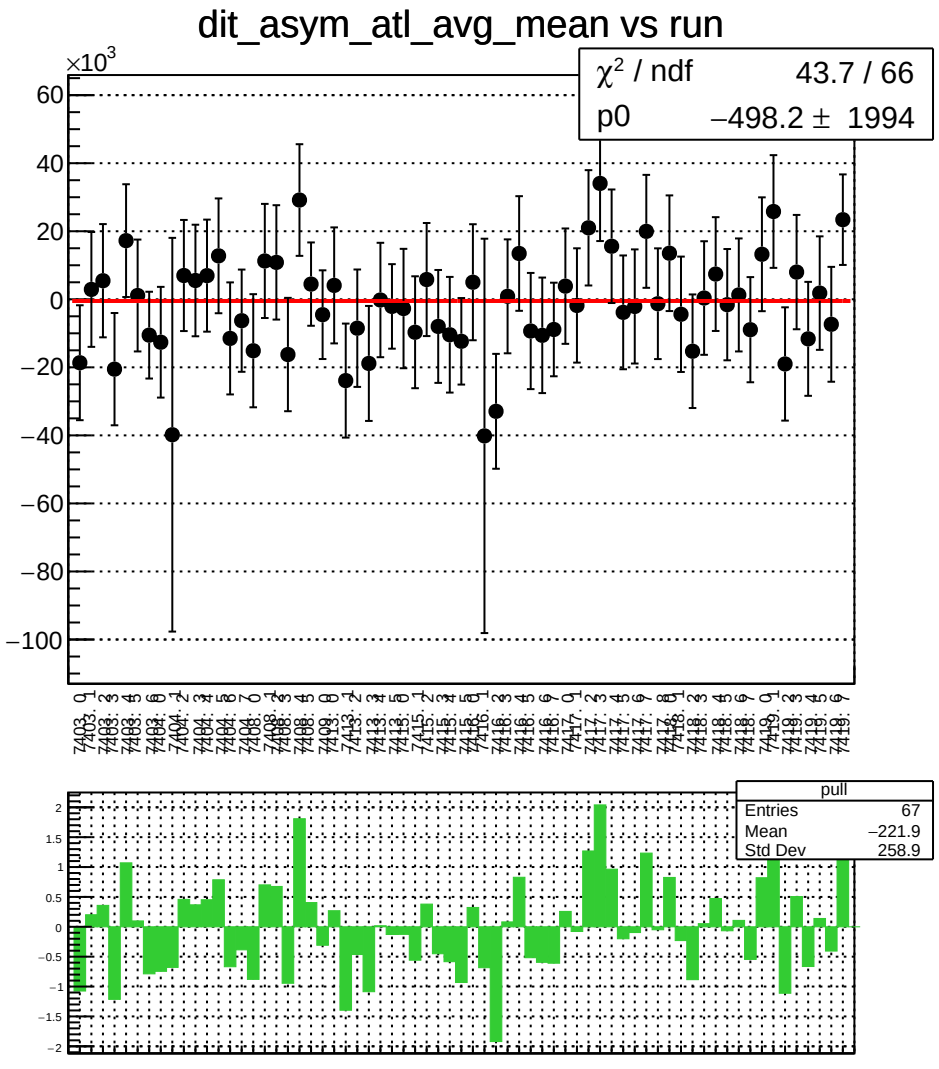

pull1D
Entries 67
Mean 0.01148
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

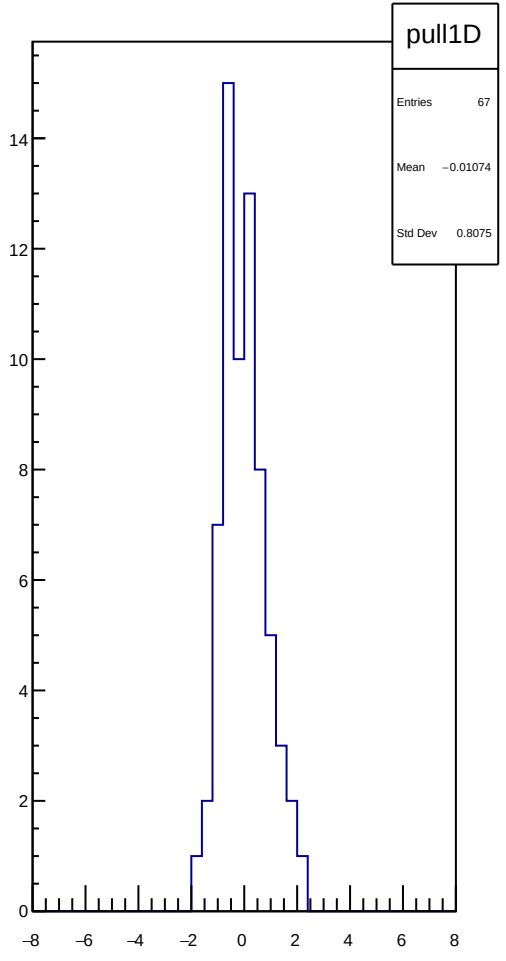

asym_at2_dd_correction_rms vs run
χ² / ndf 208.7 / 66
p0 3298 ± 2.889
3450
3400
3350
3300
3250
3200

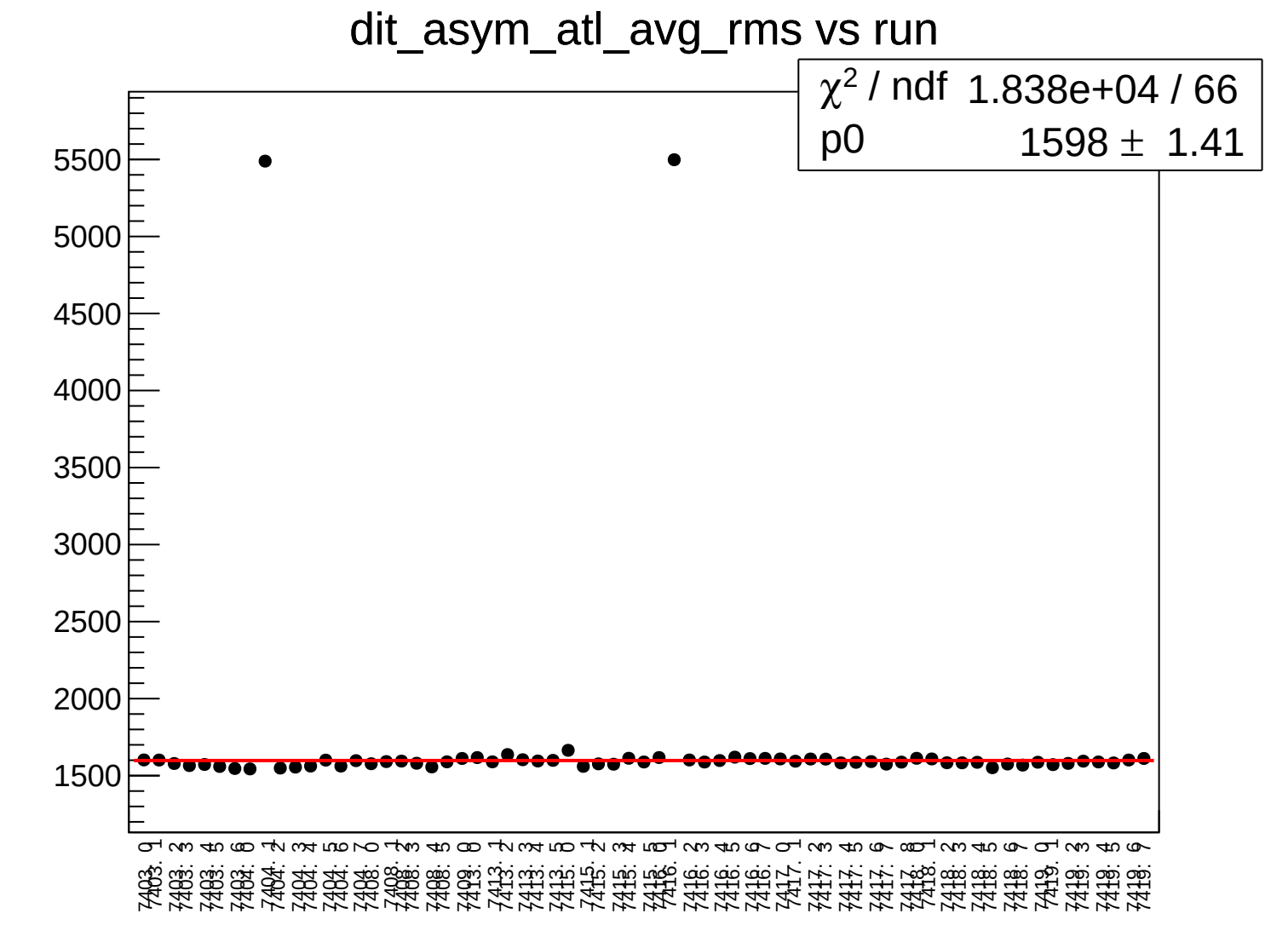

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 81.08 / 66
p0 1946 ± 2311
pull
Entries 67
Mean −153.5
Std Dev 184.9

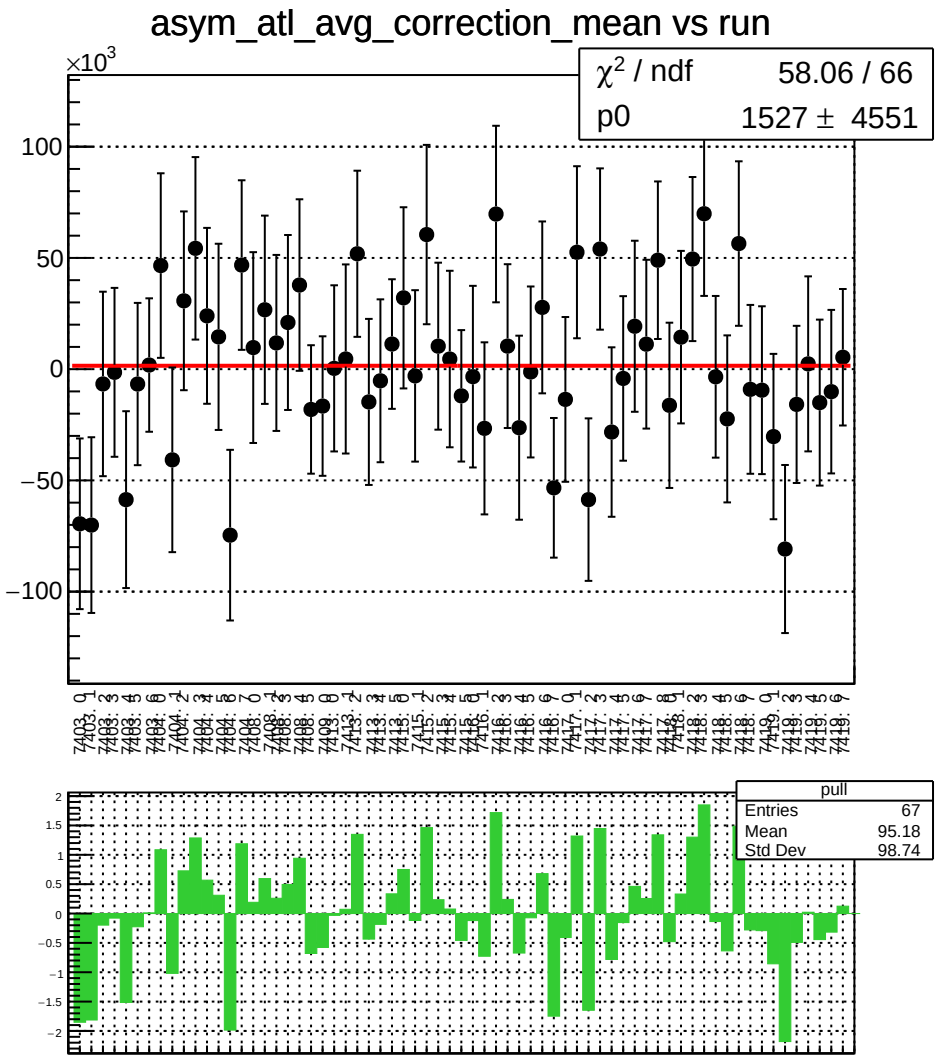

pull1D
Entries 67
Mean −0.01528
Std Dev 1.1

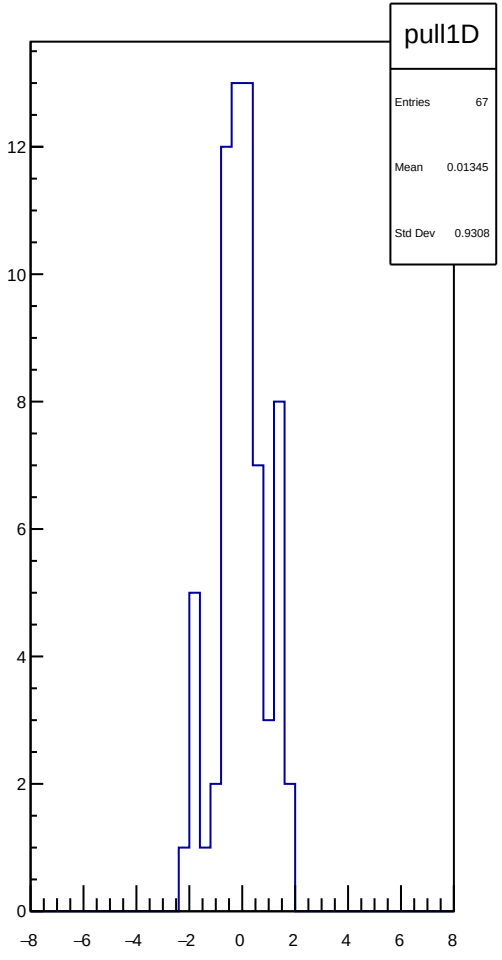

asym_at2_dd_rms vs run
$\chi^2$ / ndf 327.6 / 66
p0 1865 ± 1.634
2000
1950
1900
1850
1800

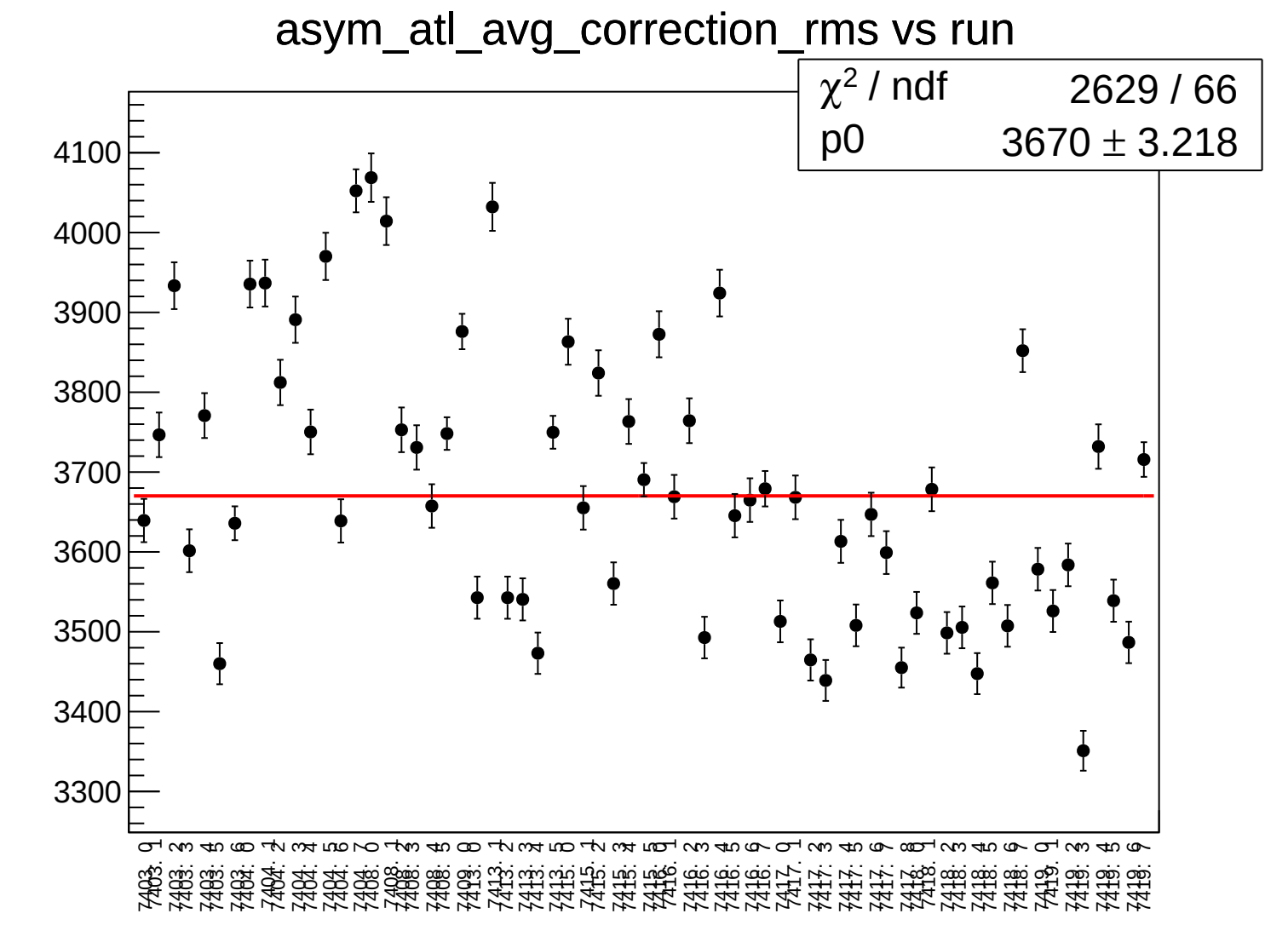

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 43.7 / 66
p0 −498.2 ± 1994
pull
Entries 67
Mean −221.9
Std Dev 258.9

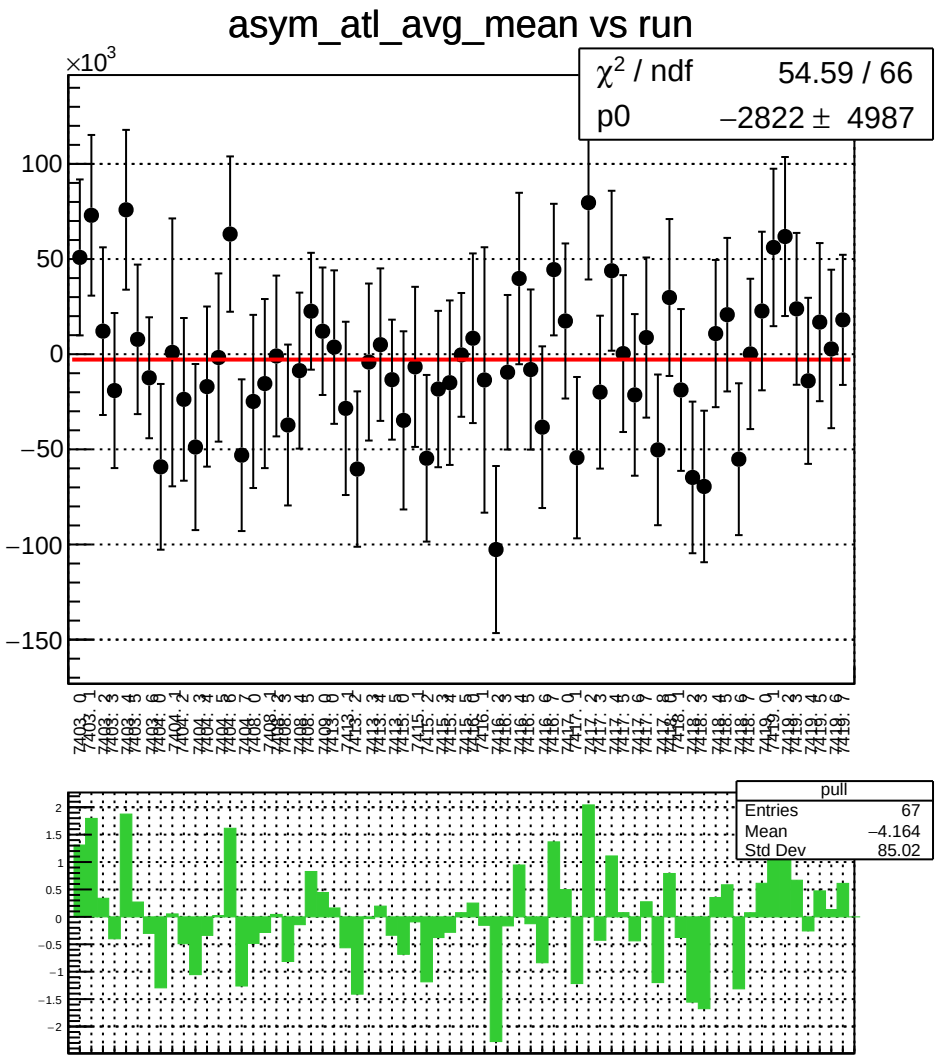

pull1D
Entries 67
Mean −0.01074
Std Dev 0.8075

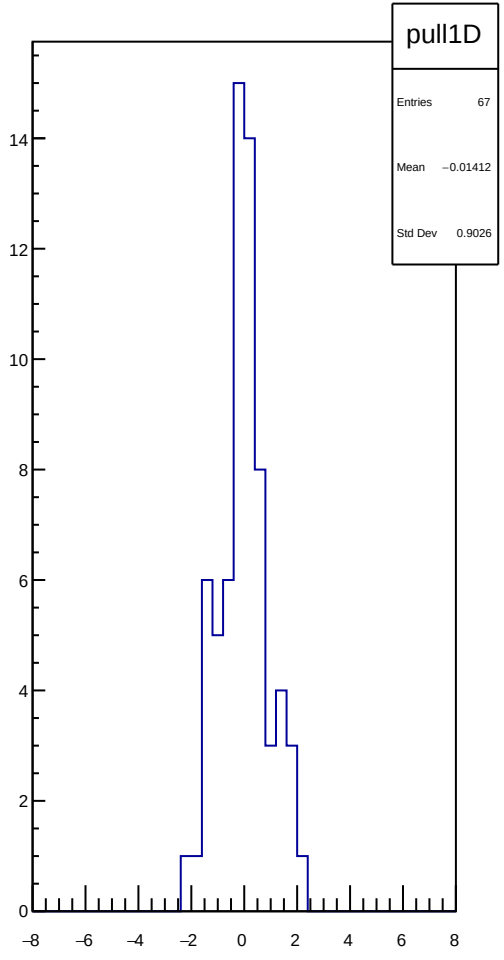

dit_asym_atl_avg_rms vs run
$\chi^2$ / ndf 1.838e+04 / 66
p0 1598 ± 1.41
5500
5000
4500
4000
3500
3000
2500
2000
1500

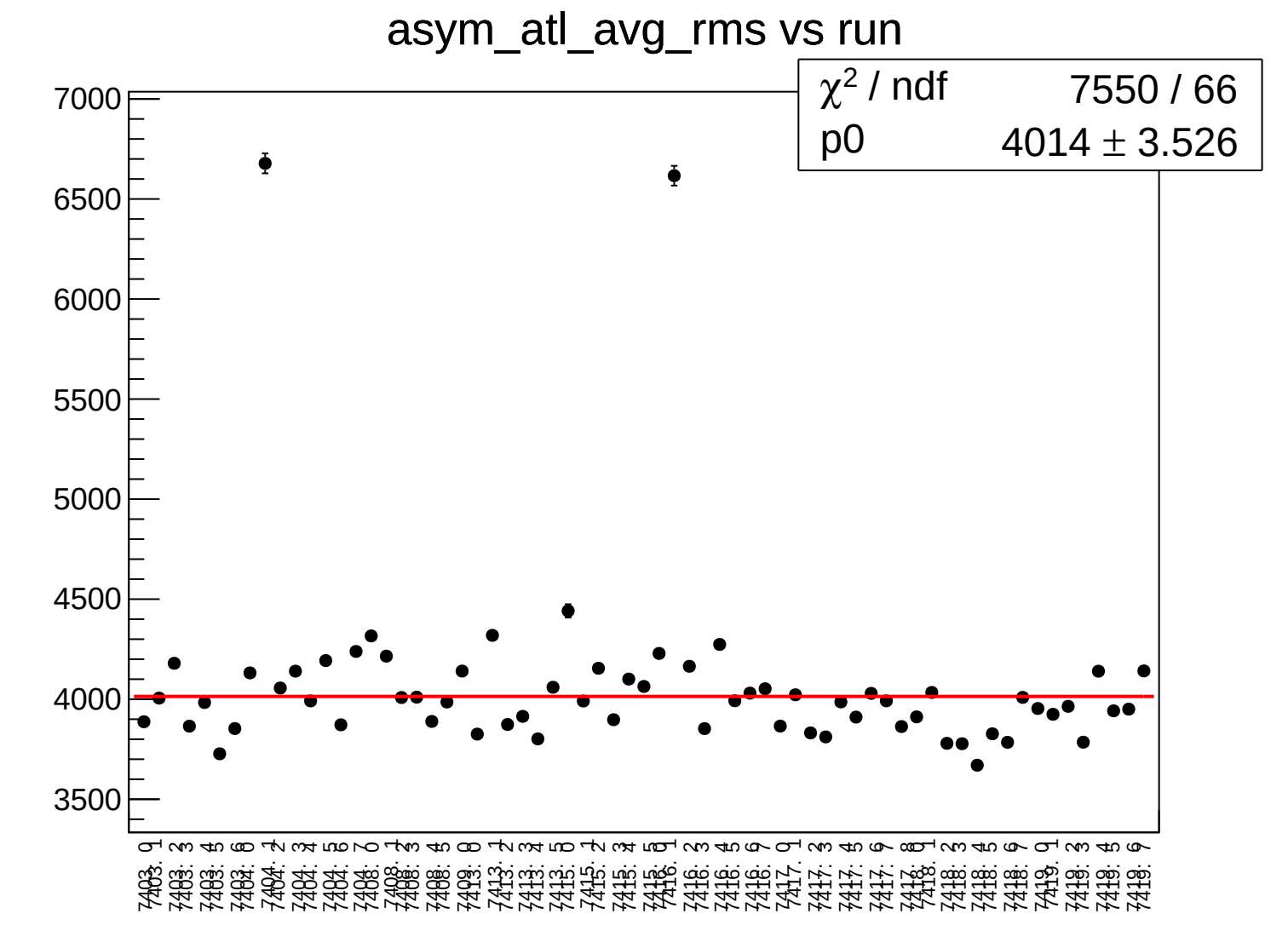

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 58.06 / 66
p0 1527 ± 4551
100
50
0
−50
−100
pull
Entries 67
Mean 95.18
Std Dev 98.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

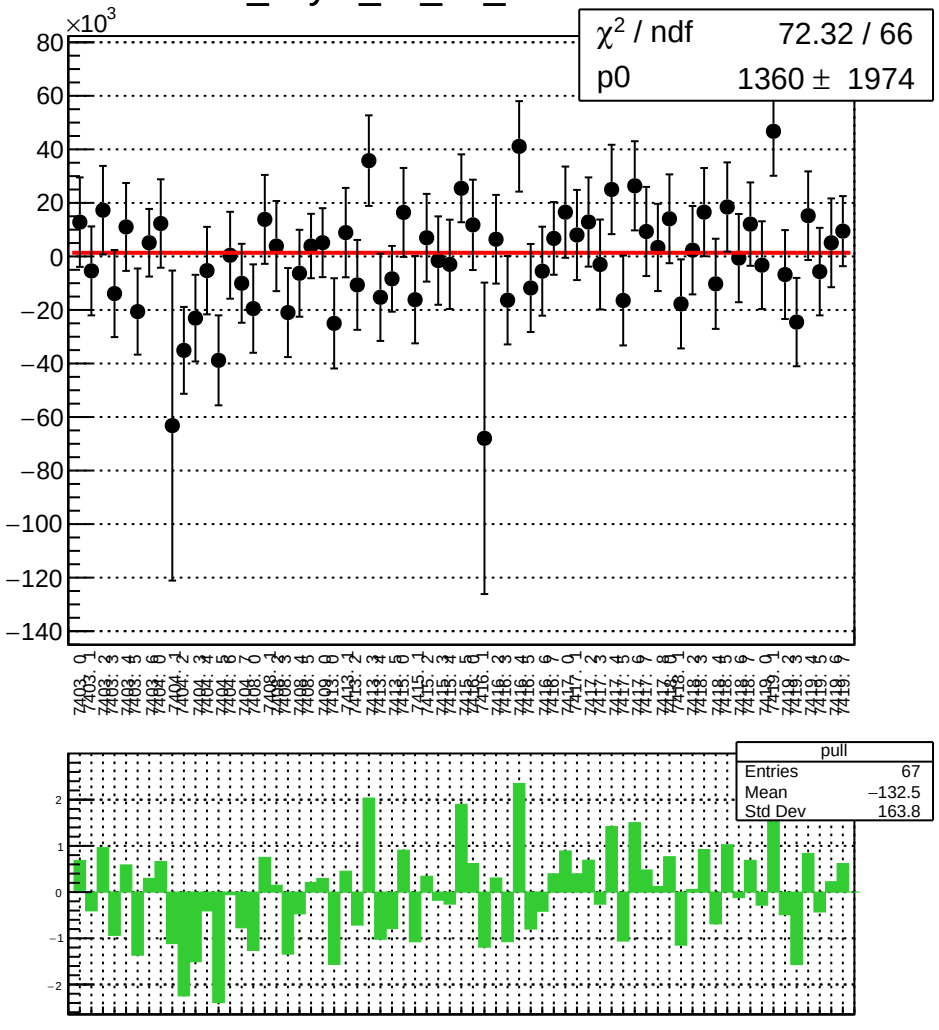

pull1D
Entries 67
Mean 0.01345
Std Dev 0.9308
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

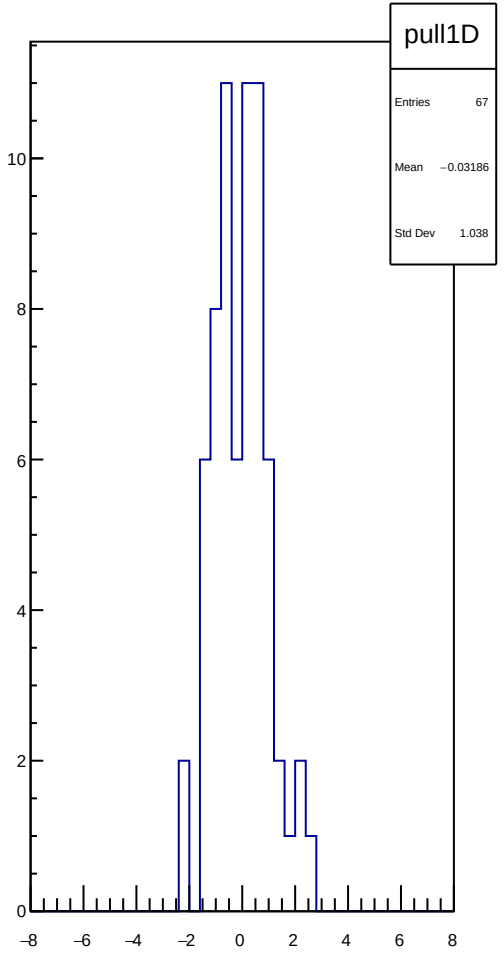

asym_atl_avg_correction_rms vs run
χ² / ndf 2629 / 66
p0 3670 ± 3.218
4100
4000
3900
3800
3700
3600
3500
3400
3300

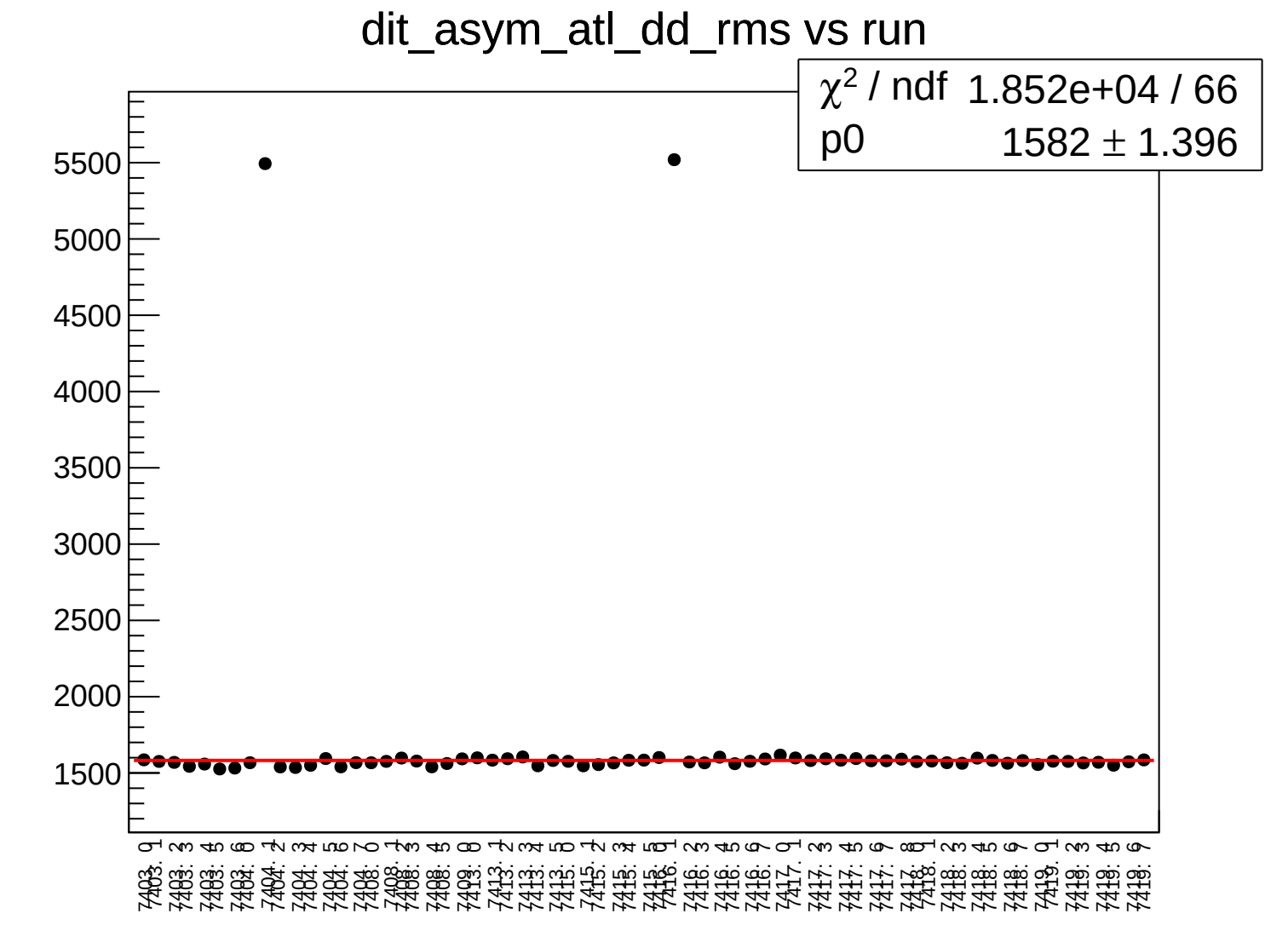

asym_atl_avg_mean vs run
×10^3
χ² / ndf 54.59 / 66
p0 −2822 ± 4987
100
50
0
−50
−100
−150
pull
Entries 67
Mean −4.164
Std Dev 85.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

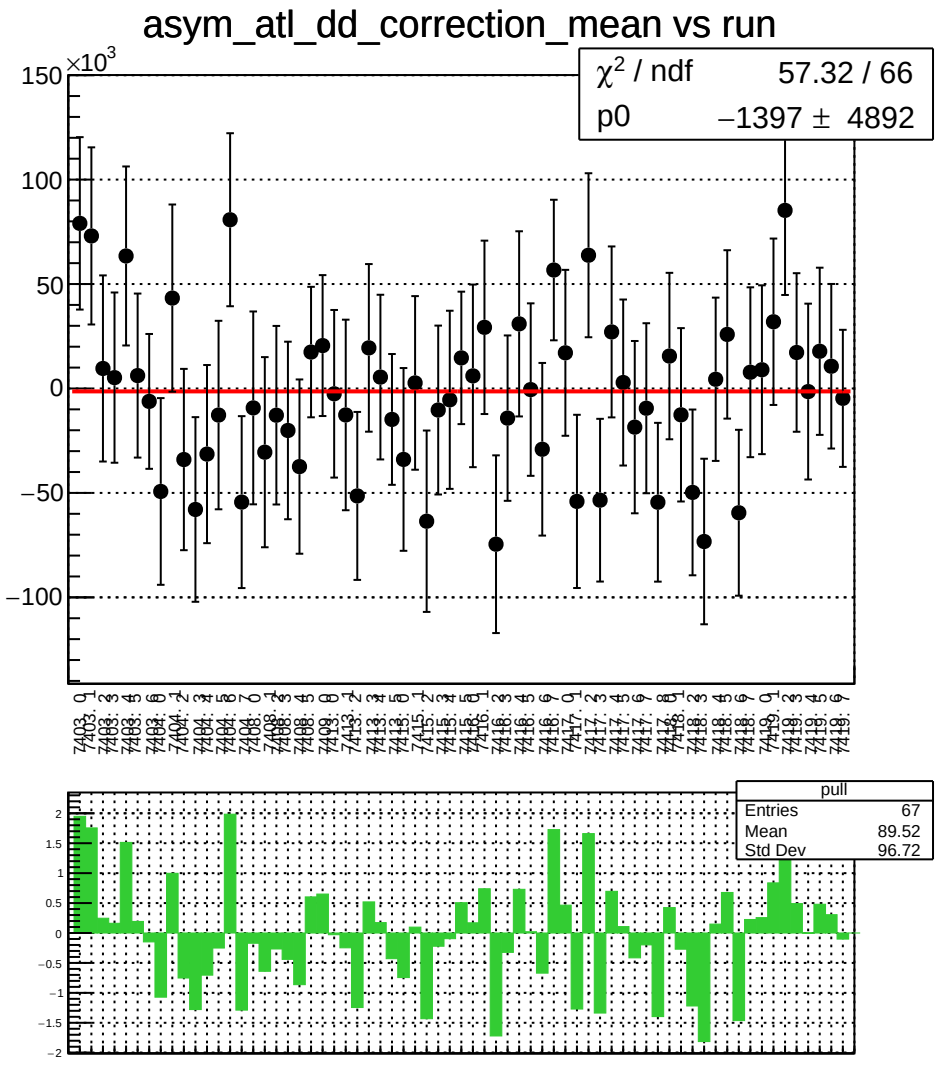

pull1D
Entries 67
Mean −0.01412
Std Dev 0.9026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

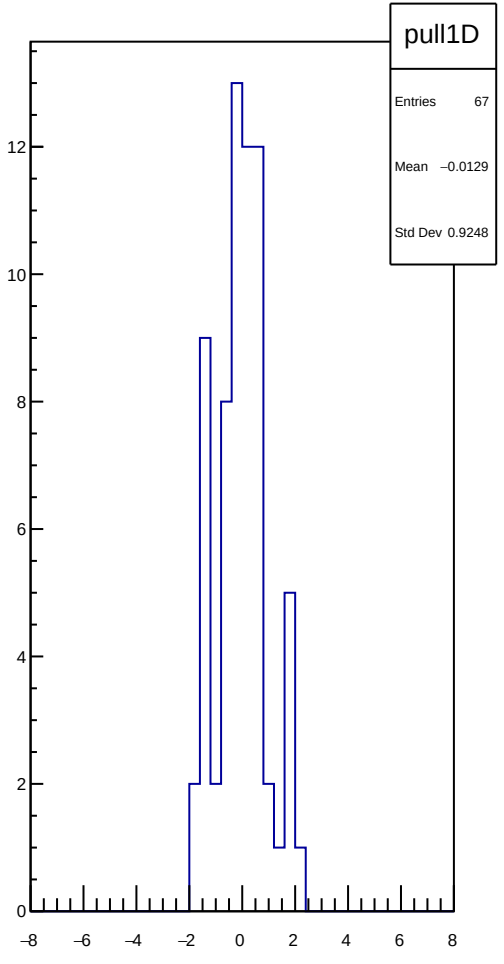

asym_atl_avg_rms vs run
χ² / ndf 7550 / 66
p0 4014 ± 3.526
7000
6500
6000
5500
5000
4500
4000
3500

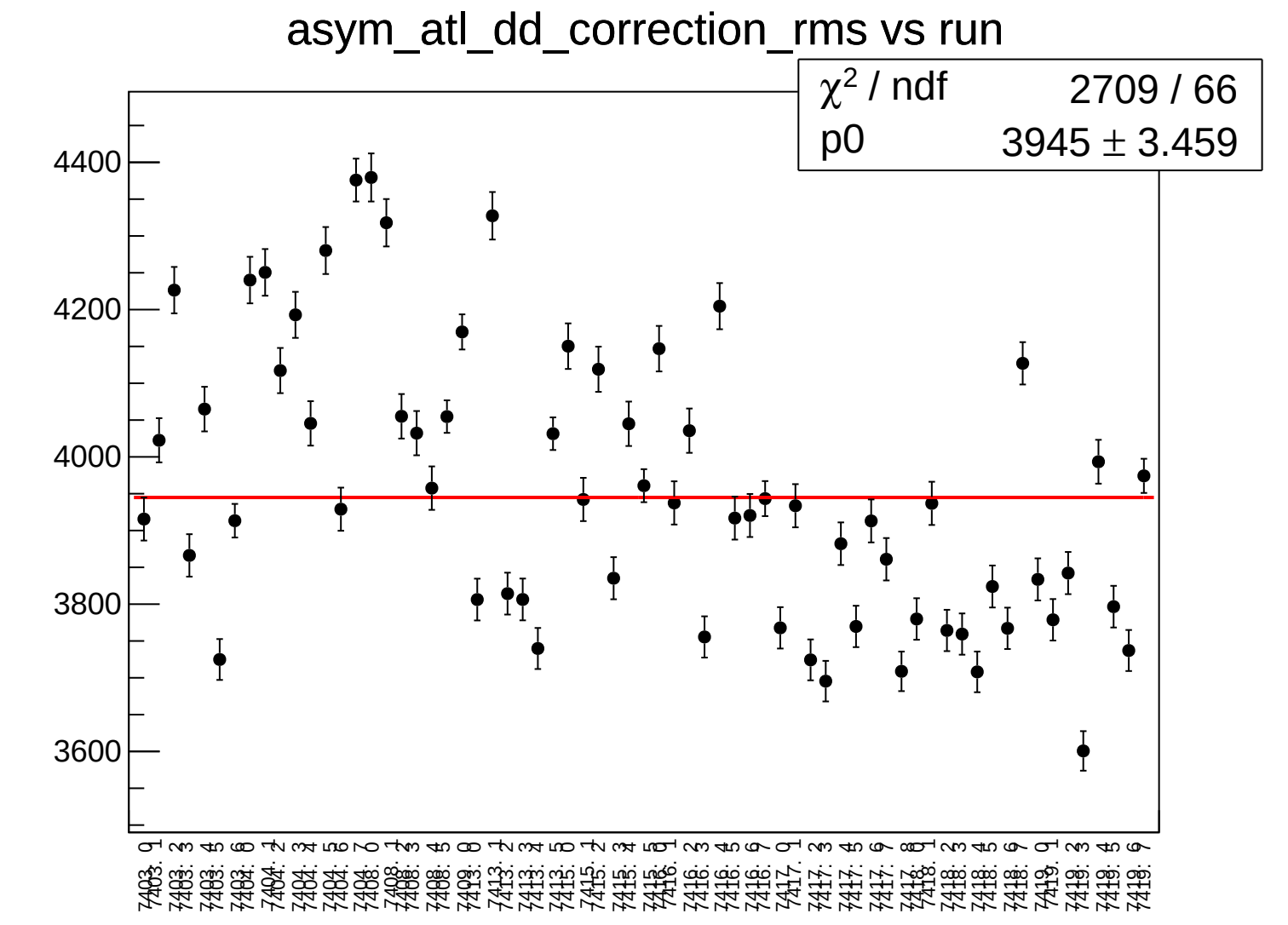

dit_asym_atl_dd_mean vs run
$\chi^2$ / ndf 72.32 / 66
p0 1360 ± 1974
pull
Entries 67
Mean −132.5
Std Dev 163.8

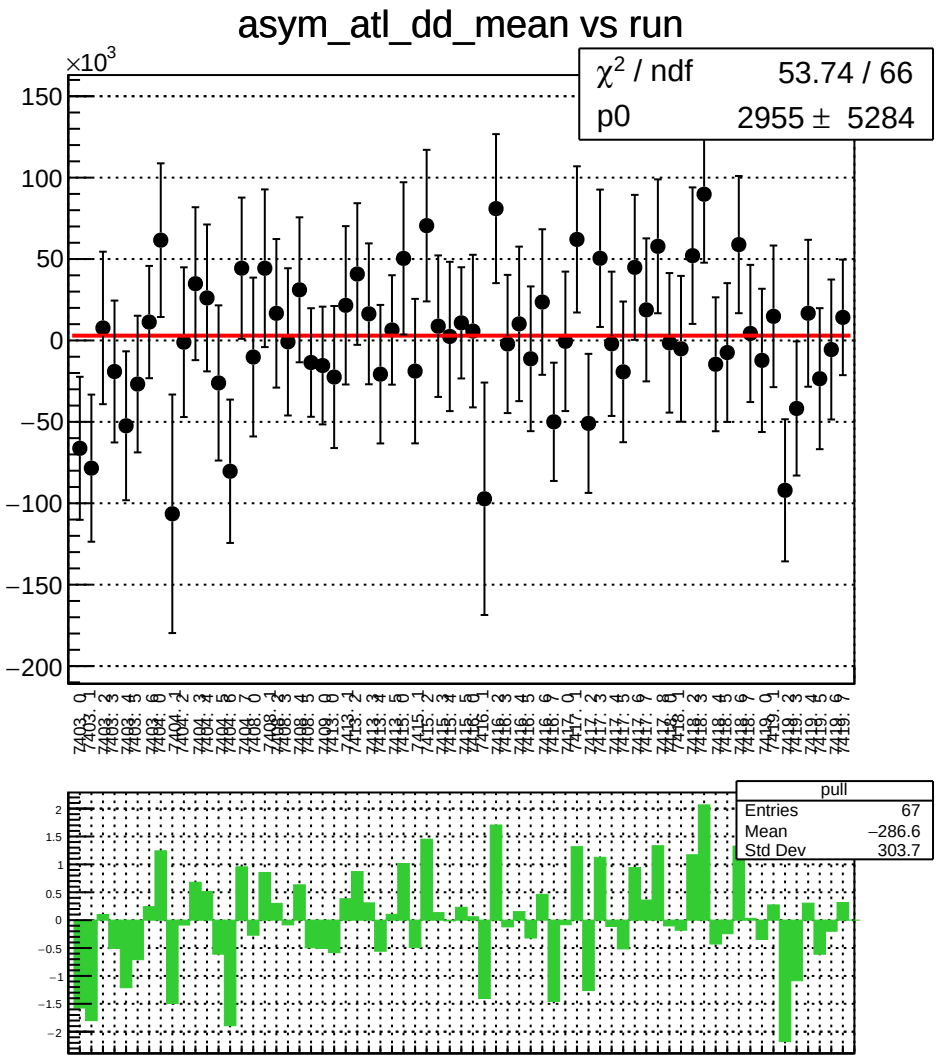

pull1D
Entries 67
Mean −0.03186
Std Dev 1.038

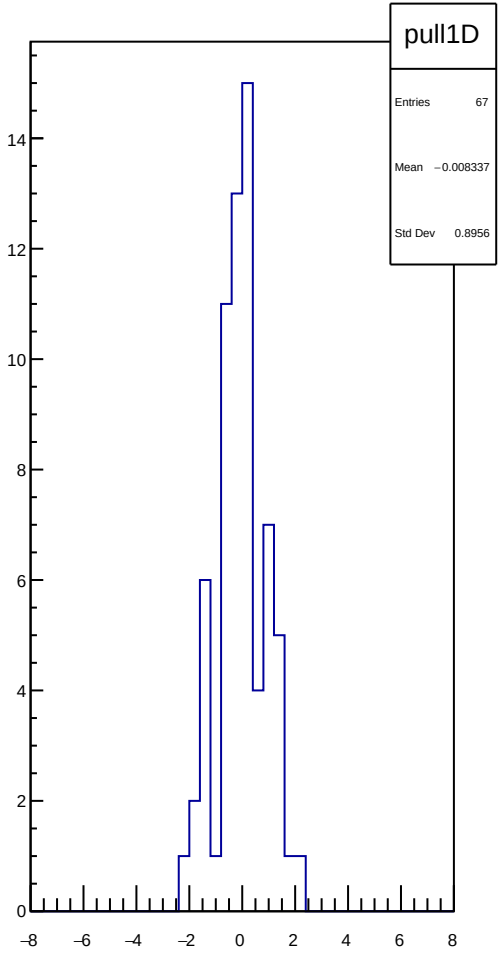

dit_asym_atl_dd_rms vs run
$\chi^2$ / ndf 1.852e+04 / 66
p0 1582 ± 1.396
5500
5000
4500
4000
3500
3000
2500
2000
1500

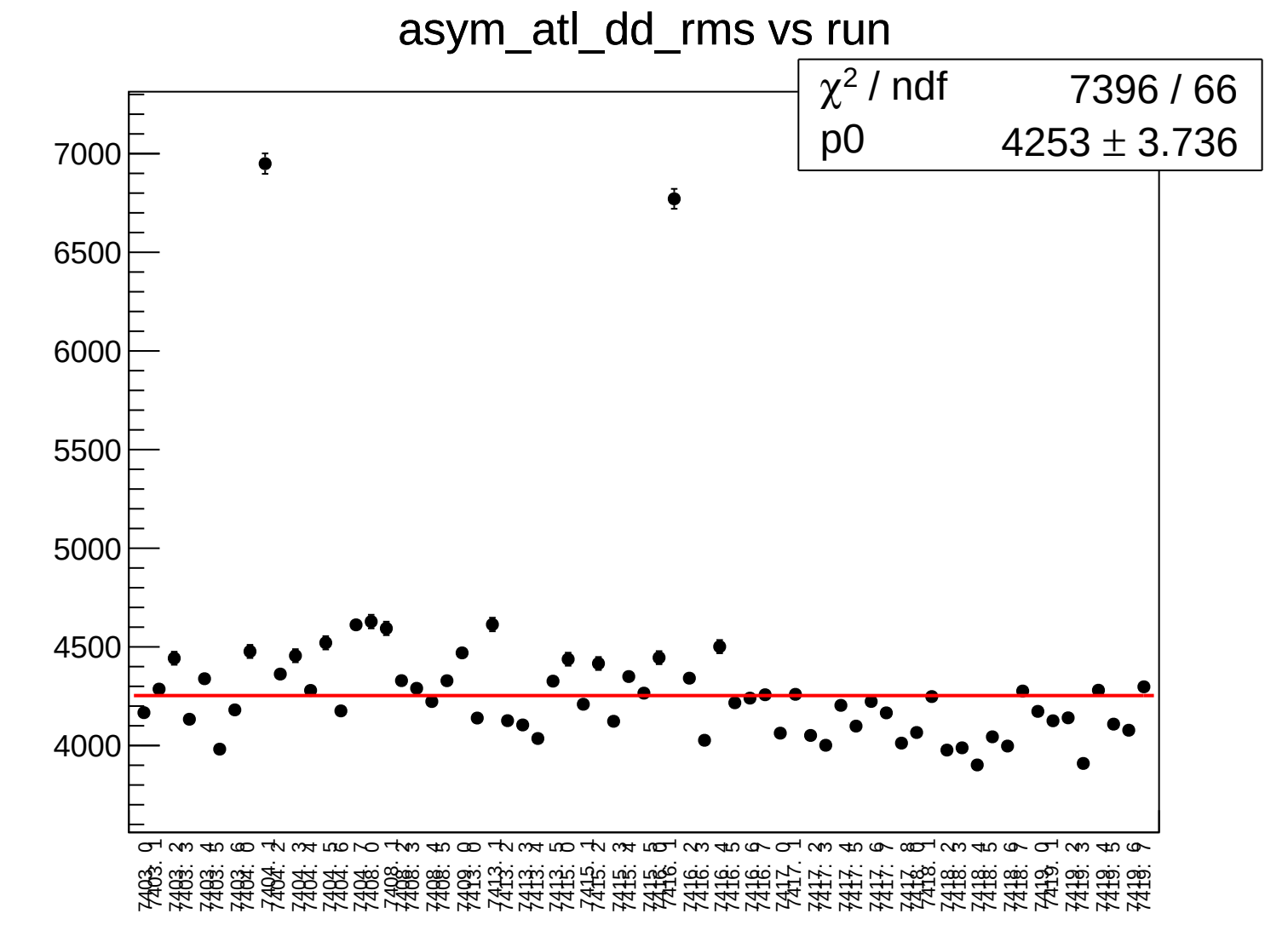

asym_atl_dd_correction_mean vs run
χ² / ndf 57.32 / 66
p0 −1397 ± 4892
×10³
150
100
50
0
−50
−100
pull
Entries 67
Mean 89.52
Std Dev 96.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

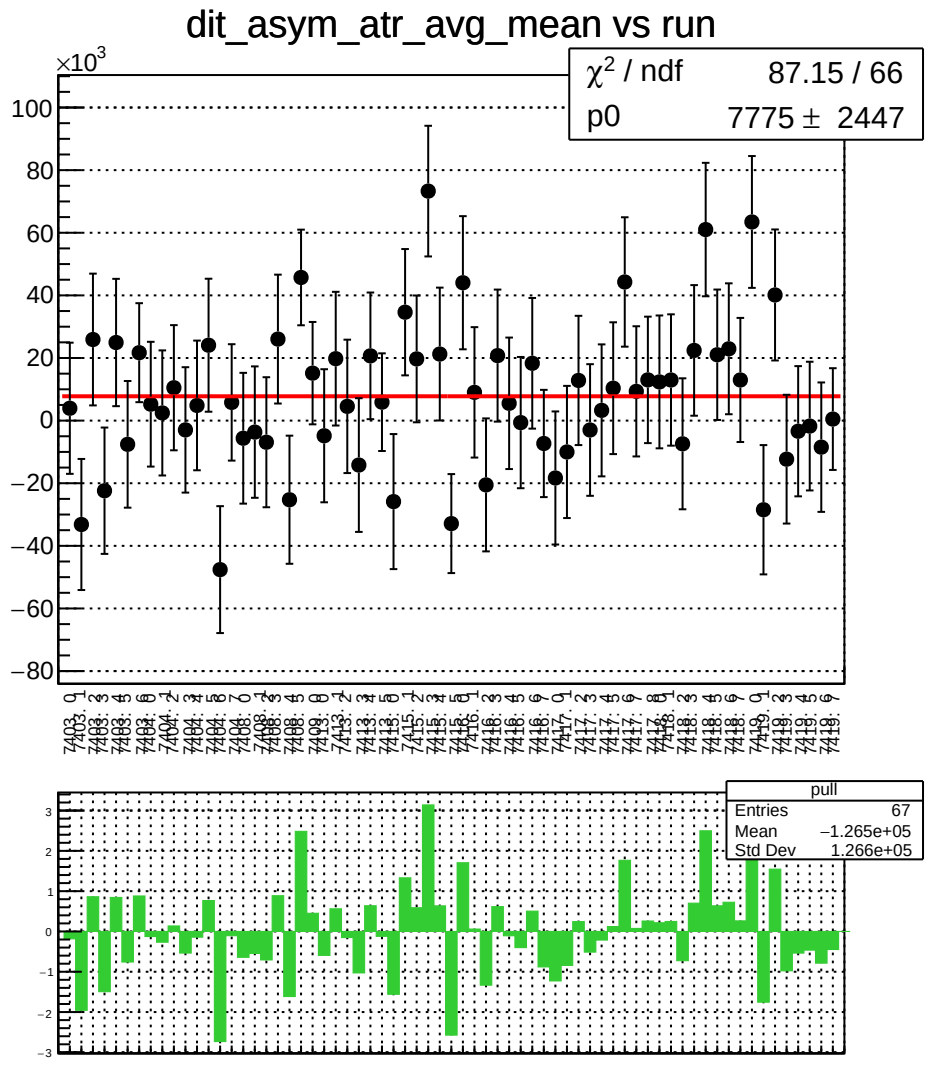

pull1D
Entries 67
Mean −0.0129
Std Dev 0.9248
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

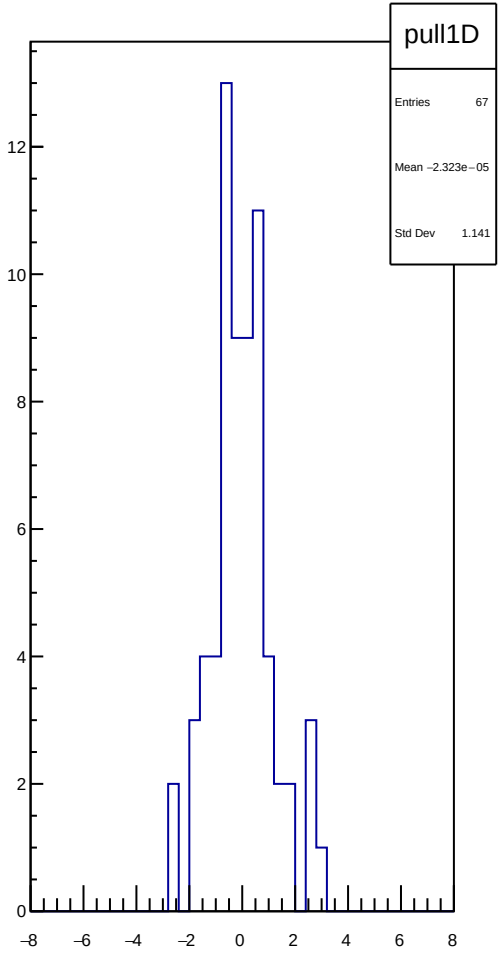

asym_atl_dd_correction_rms vs run
χ² / ndf 2709 / 66
p0 3945 ± 3.459
4400
4200
4000
3800
3600

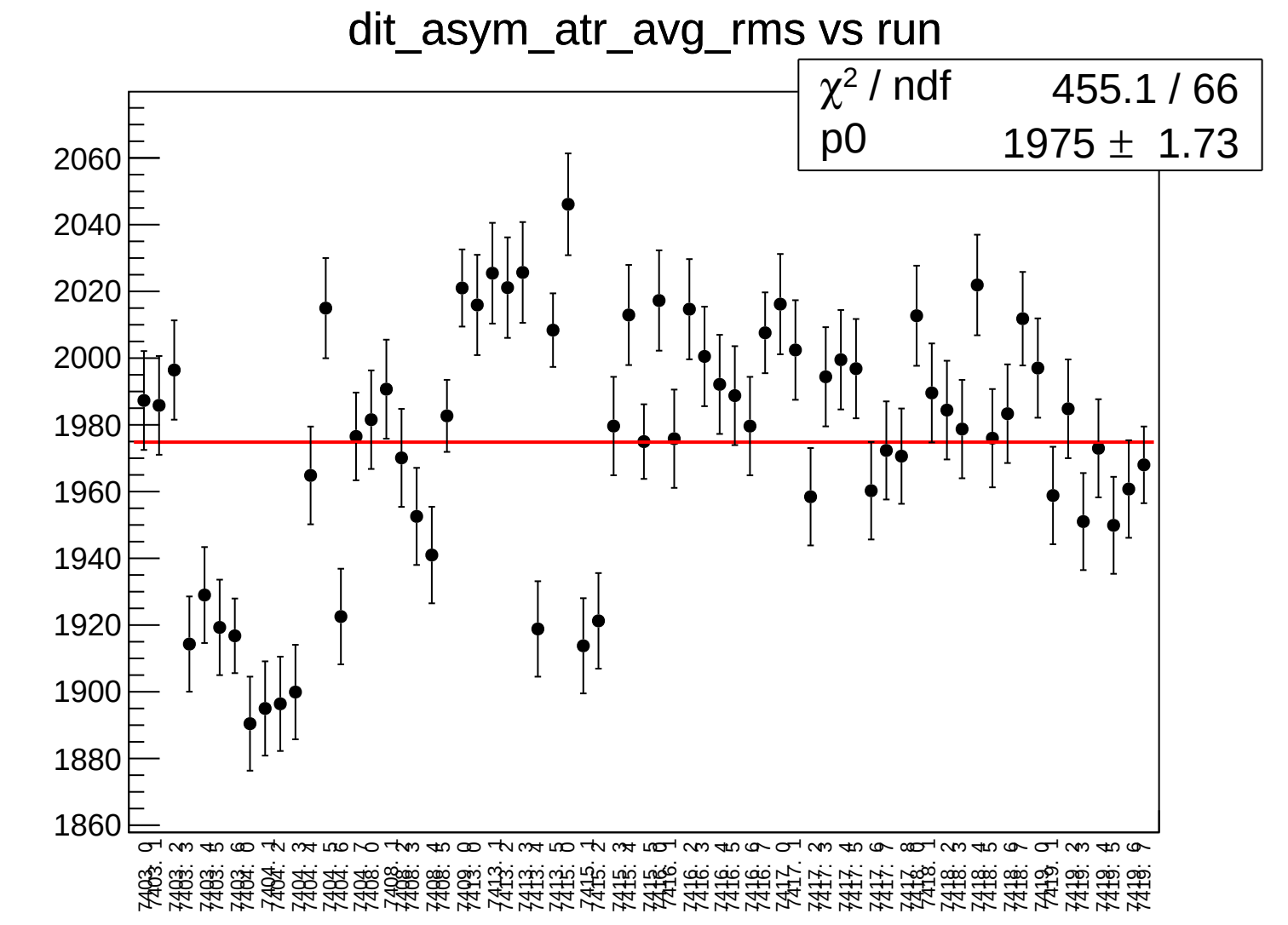

asym_atl_dd_mean vs run
×10^3
χ² / ndf 53.74 / 66
p0 2955 ± 5284
pull
Entries 67
Mean −286.6
Std Dev 303.7

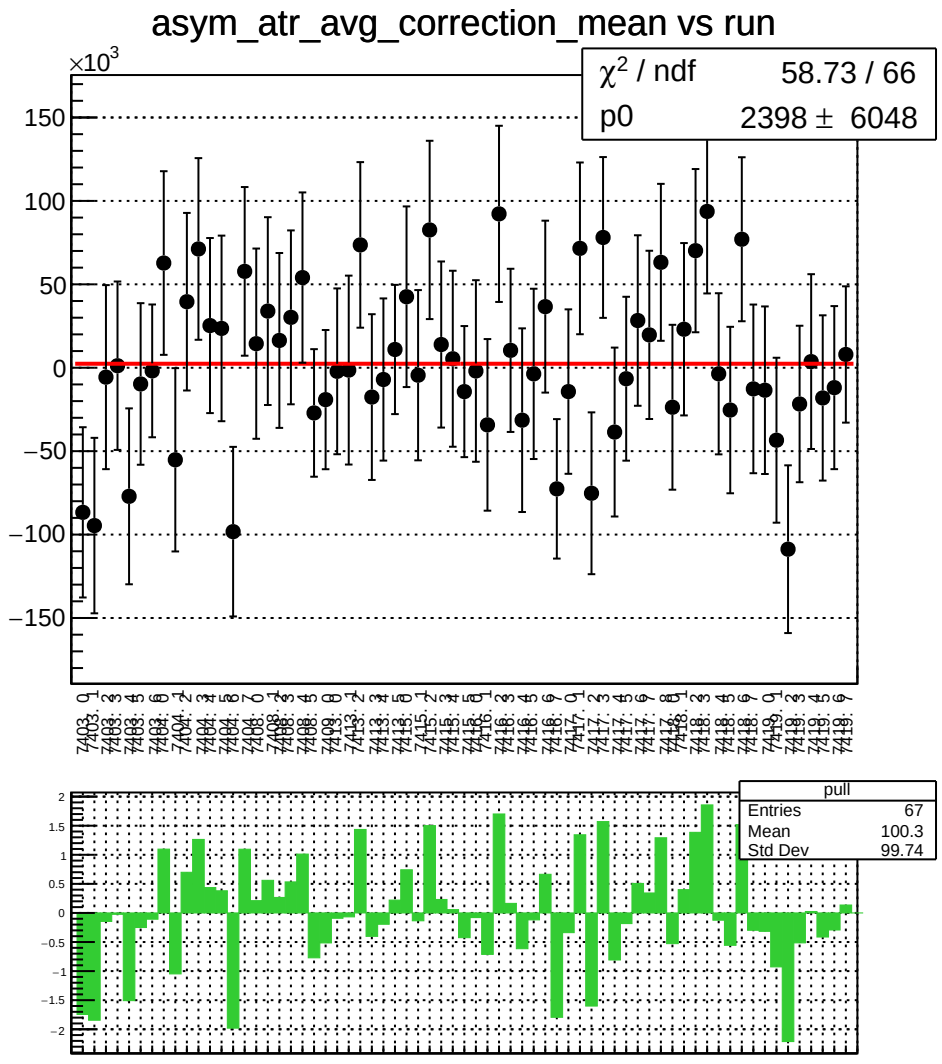

pull1D
Entries 67
Mean −0.008337
Std Dev 0.8956

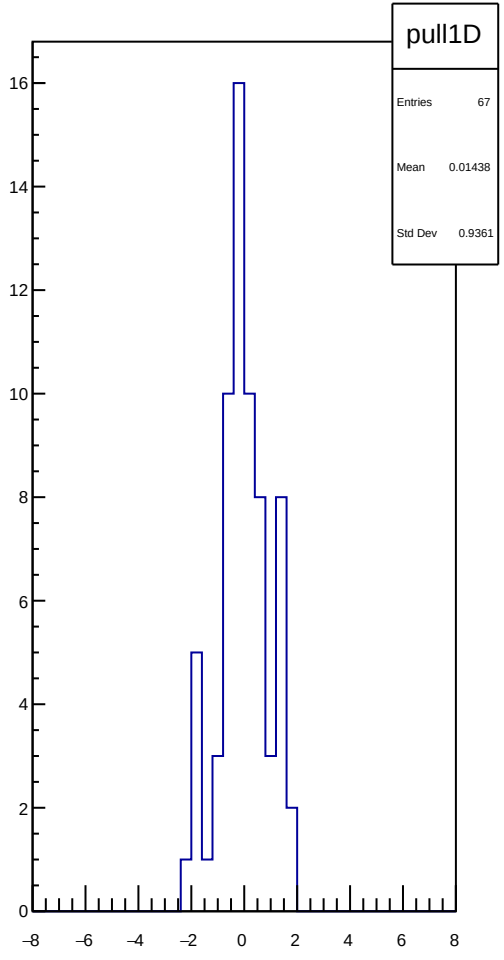

asym_atl_dd_rms vs run
$\chi^2$ / ndf 7396 / 66
p0 4253 ± 3.736
7000
6500
6000
5500
5000
4500
4000

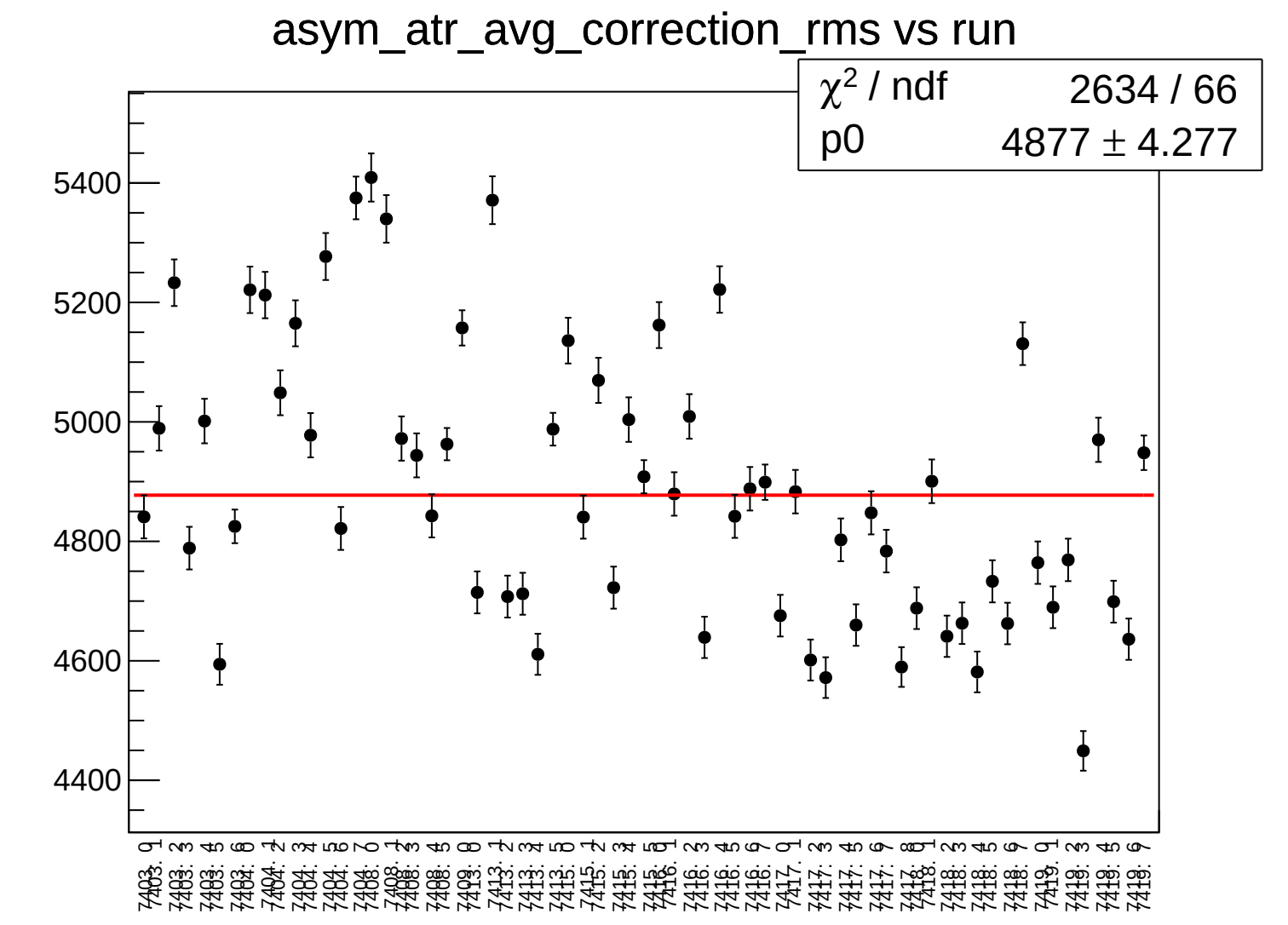

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 87.15 / 66
p0 7775 ± 2447
pull
Entries 67
Mean −1.265e+05
Std Dev 1.266e+05

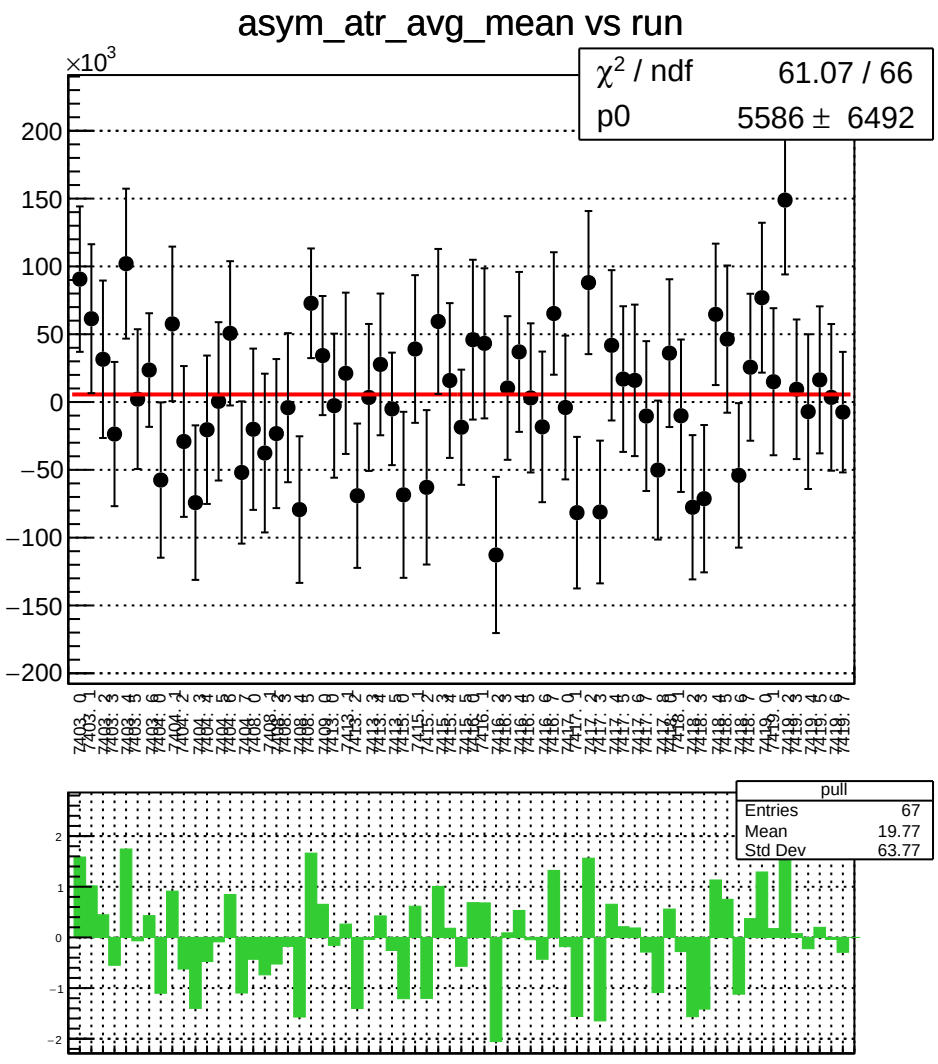

pull1D
Entries 67
Mean −2.323e−05
Std Dev 1.141

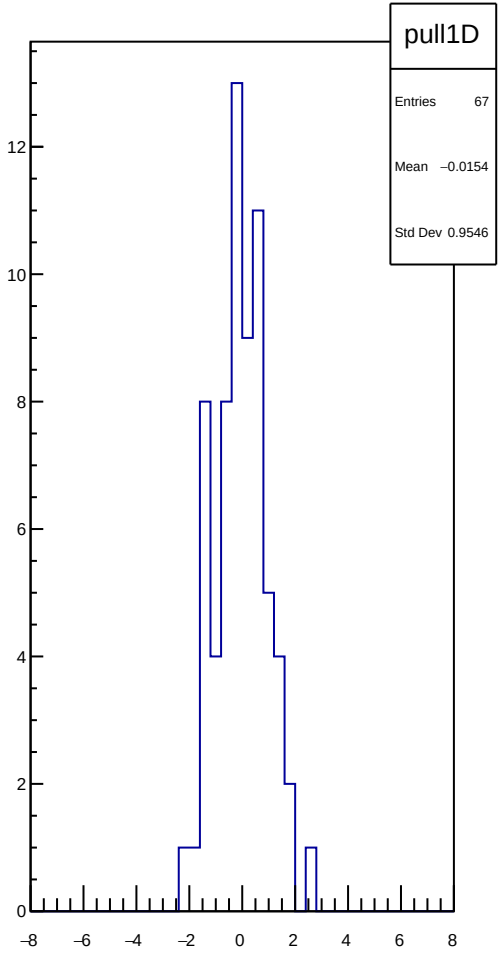

dit_asym_atr_avg_rms vs run
χ² / ndf 455.1 / 66
p0 1975 ± 1.73
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860

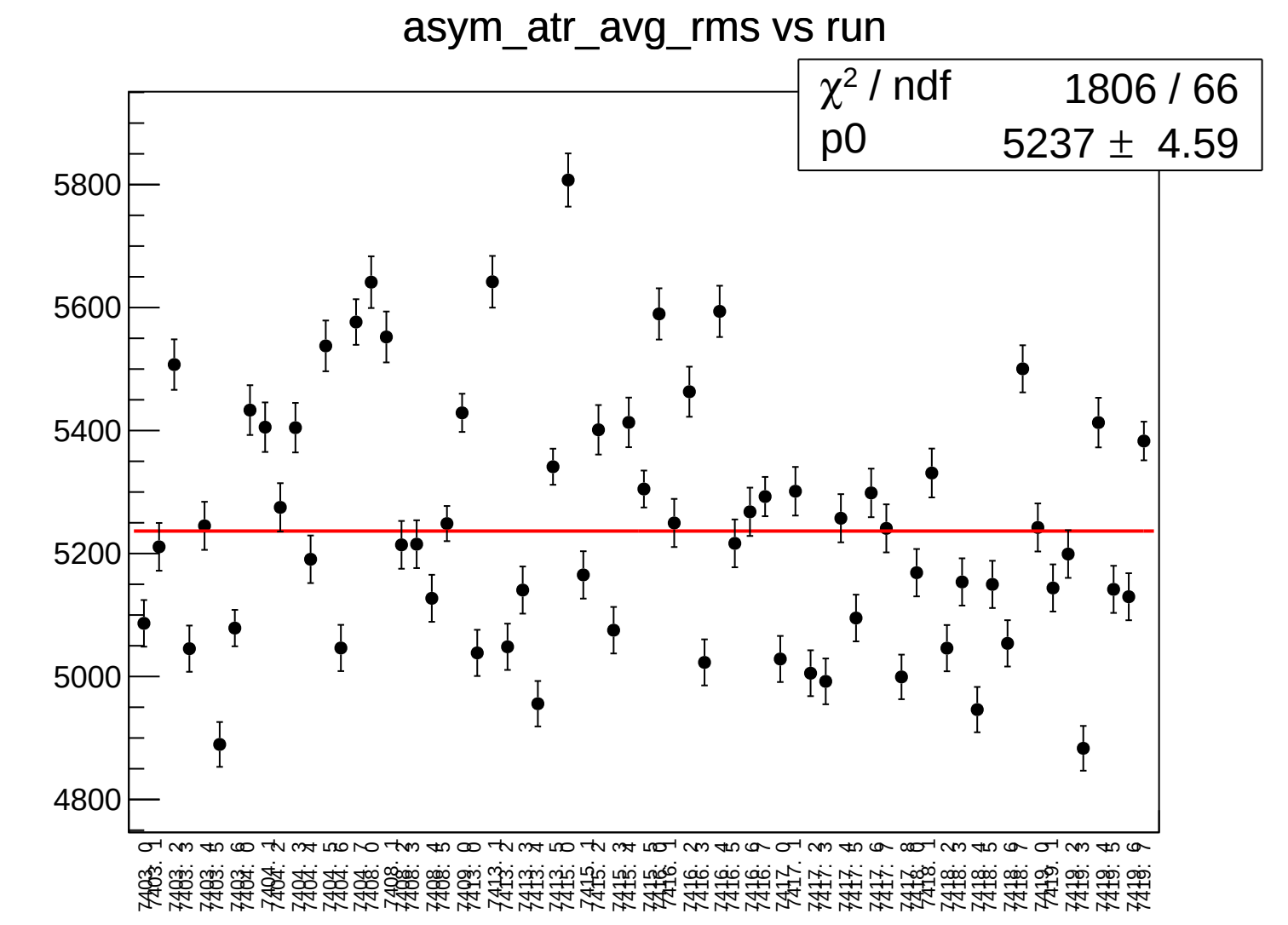

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 58.73 / 66
p0 2398 ± 6048
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean 100.3
Std Dev 99.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

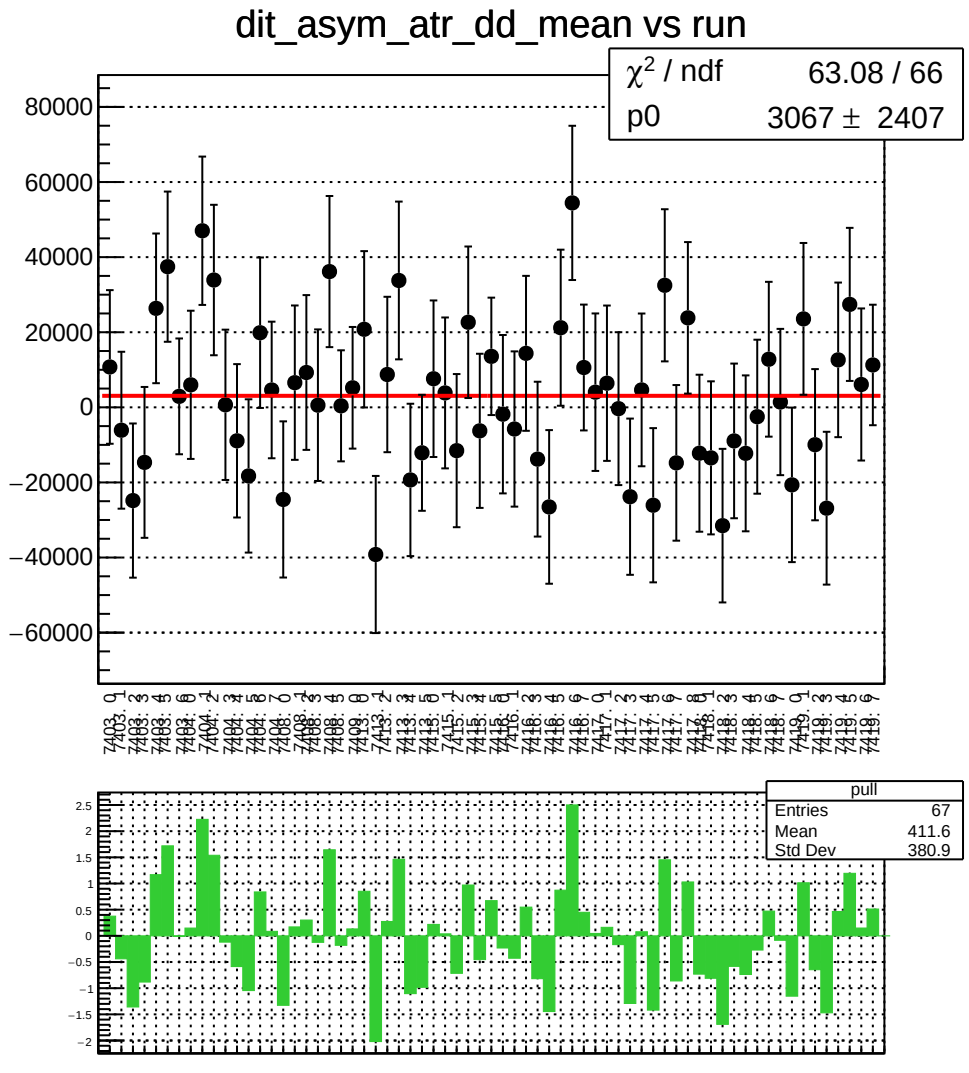

pull1D
Entries 67
Mean 0.01438
Std Dev 0.9361
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

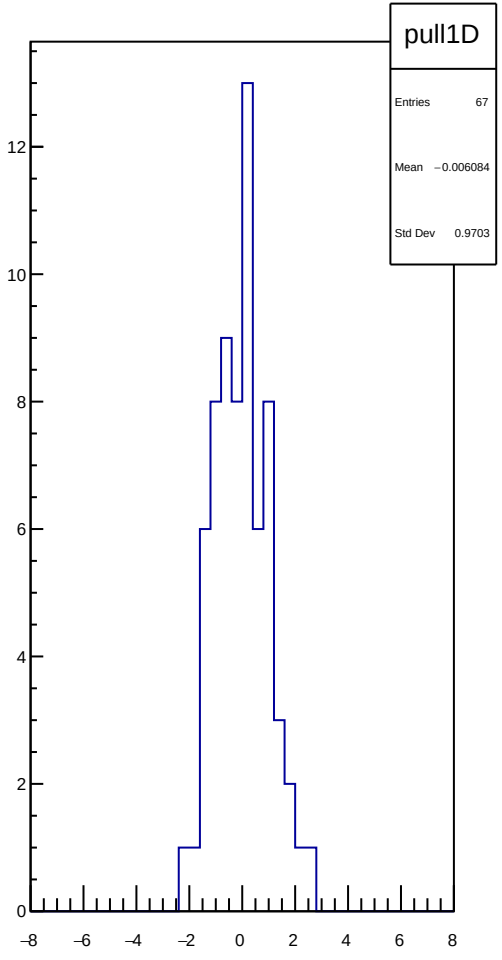

asym_atr_avg_correction_rms vs run
χ² / ndf 2634 / 66
p0 4877 ± 4.277
5400
5200
5000
4800
4600
4400

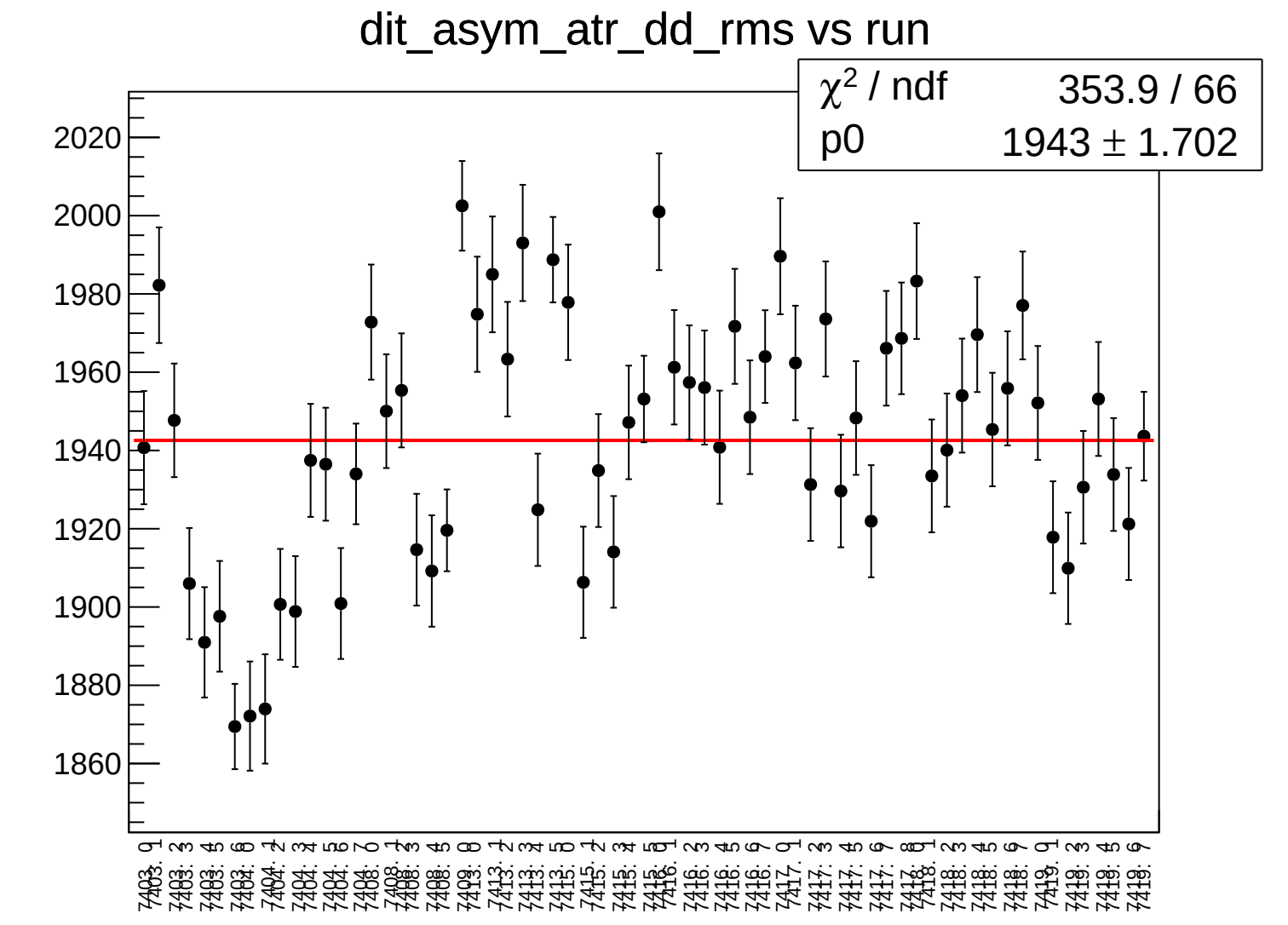

asym_atr_avg_mean vs run
×10^3
χ² / ndf 61.07 / 66
p0 5586 ± 6492
pull
Entries 67
Mean 19.77
Std Dev 63.77

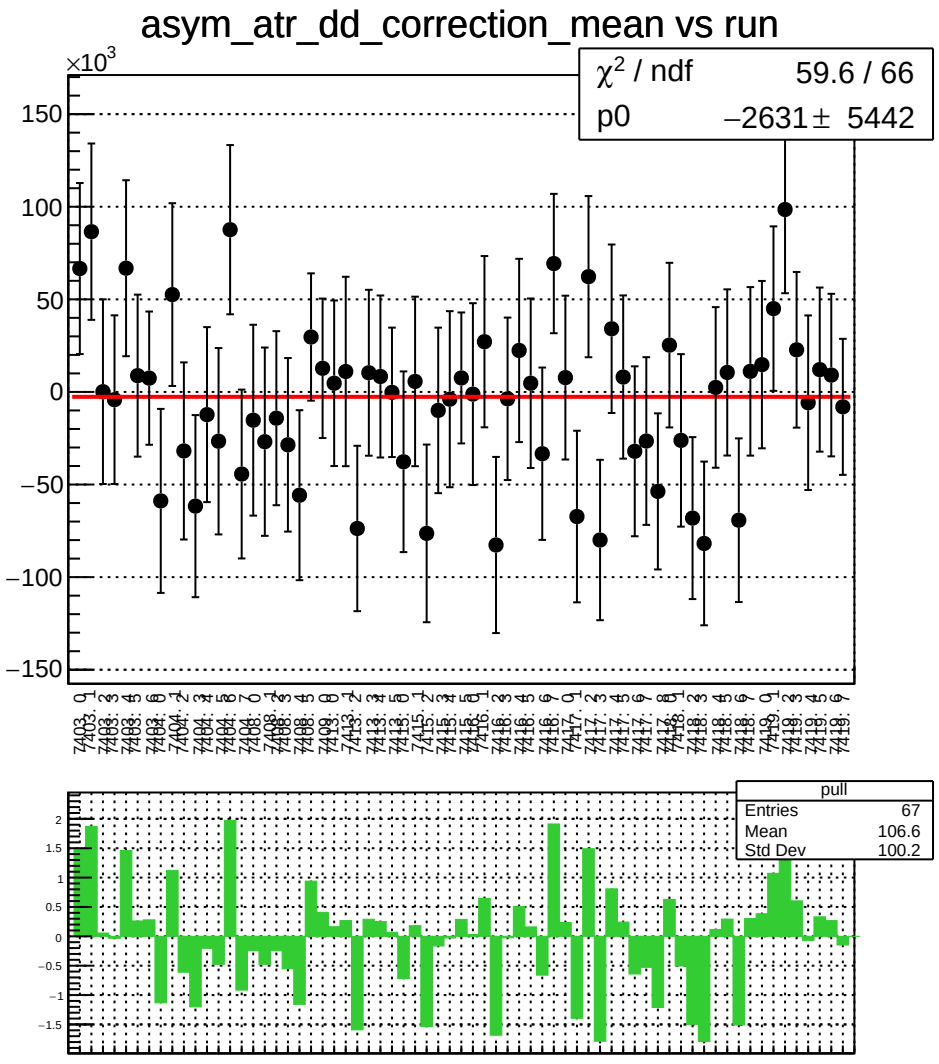

pull1D
Entries 67
Mean −0.0154
Std Dev 0.9546

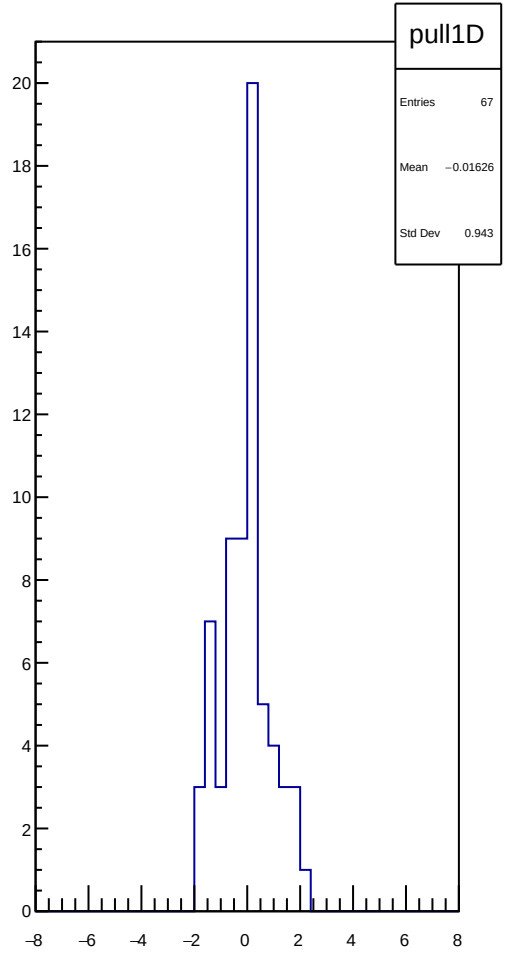

asym_atr_avg_rms vs run
χ² / ndf 1806 / 66
p0 5237 ± 4.59
5800
5600
5400
5200
5000
4800

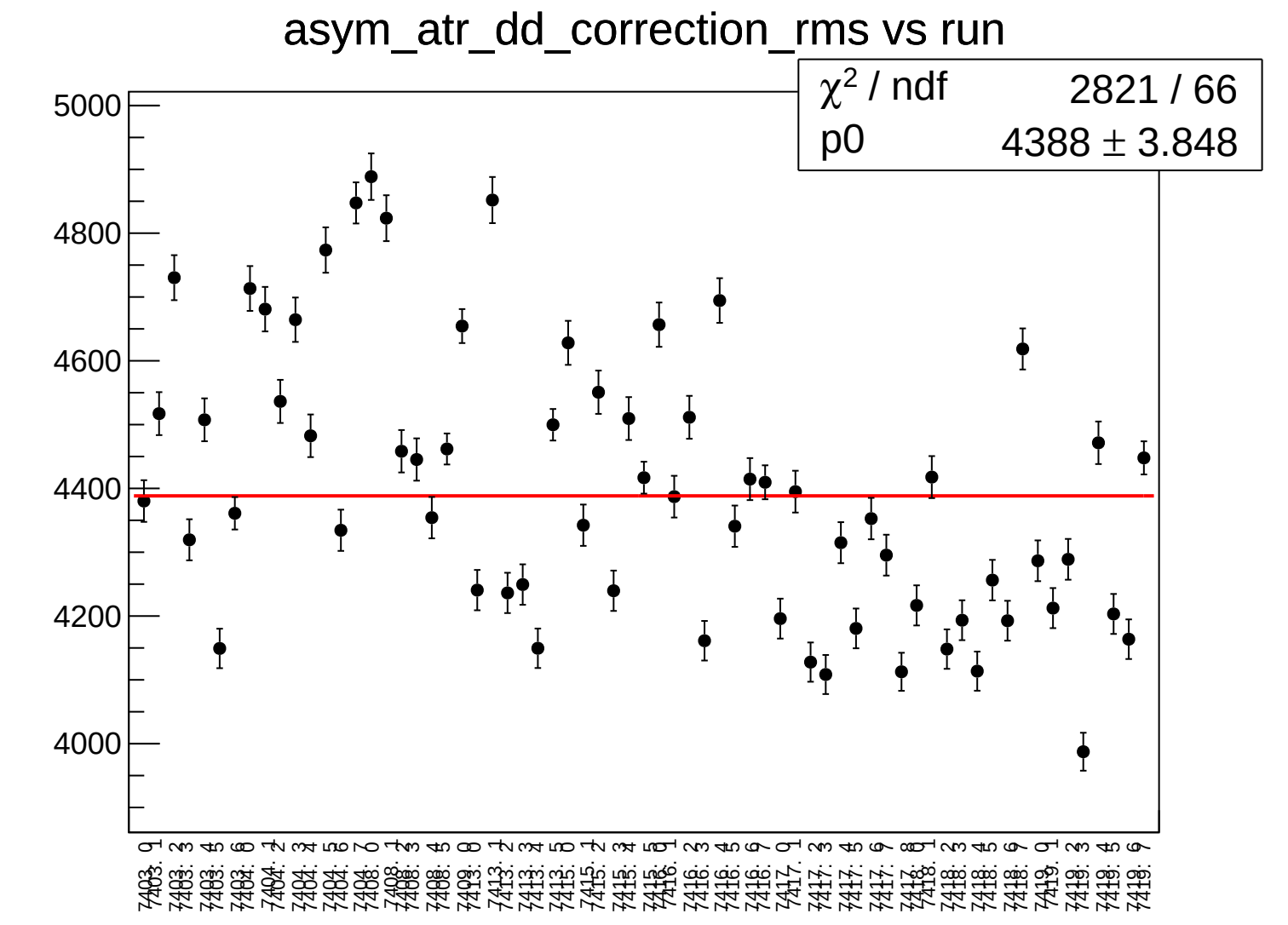

dit_asym_atr_dd_mean vs run
χ² / ndf 63.08 / 66
p0 3067 ± 2407
pull
Entries 67
Mean 411.6
Std Dev 380.9

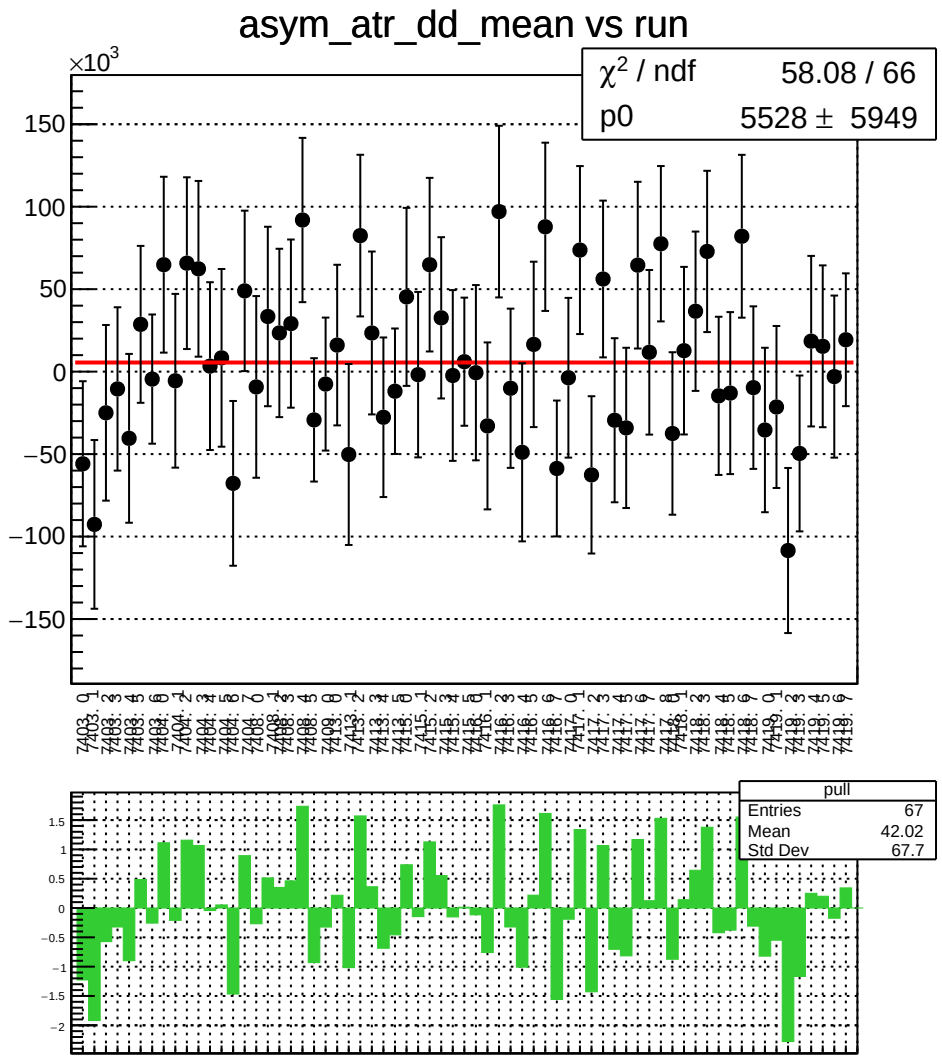

pull1D
Entries 67
Mean −0.006084
Std Dev 0.9703

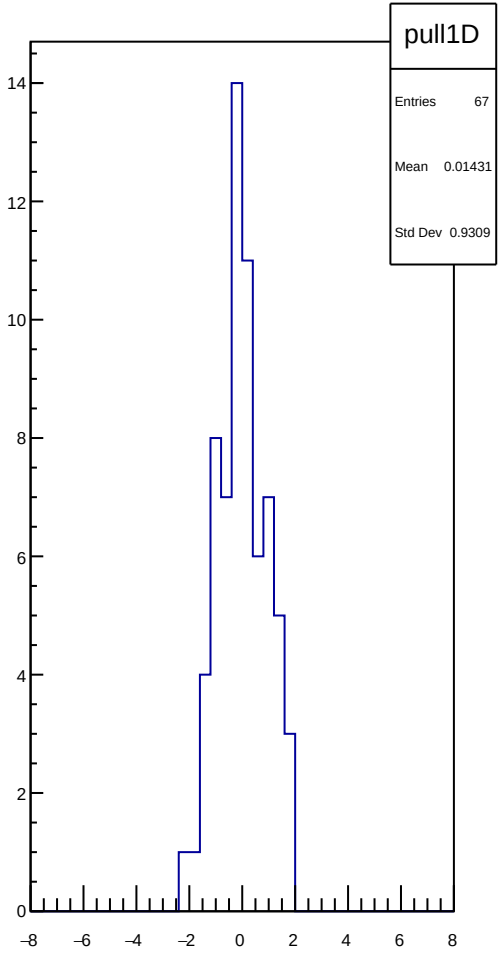

dit_asym_atr_dd_rms vs run
$\chi^2$ / ndf 353.9 / 66
p0 1943 ± 1.702
2020
2000
1980
1960
1940
1920
1900
1880
1860

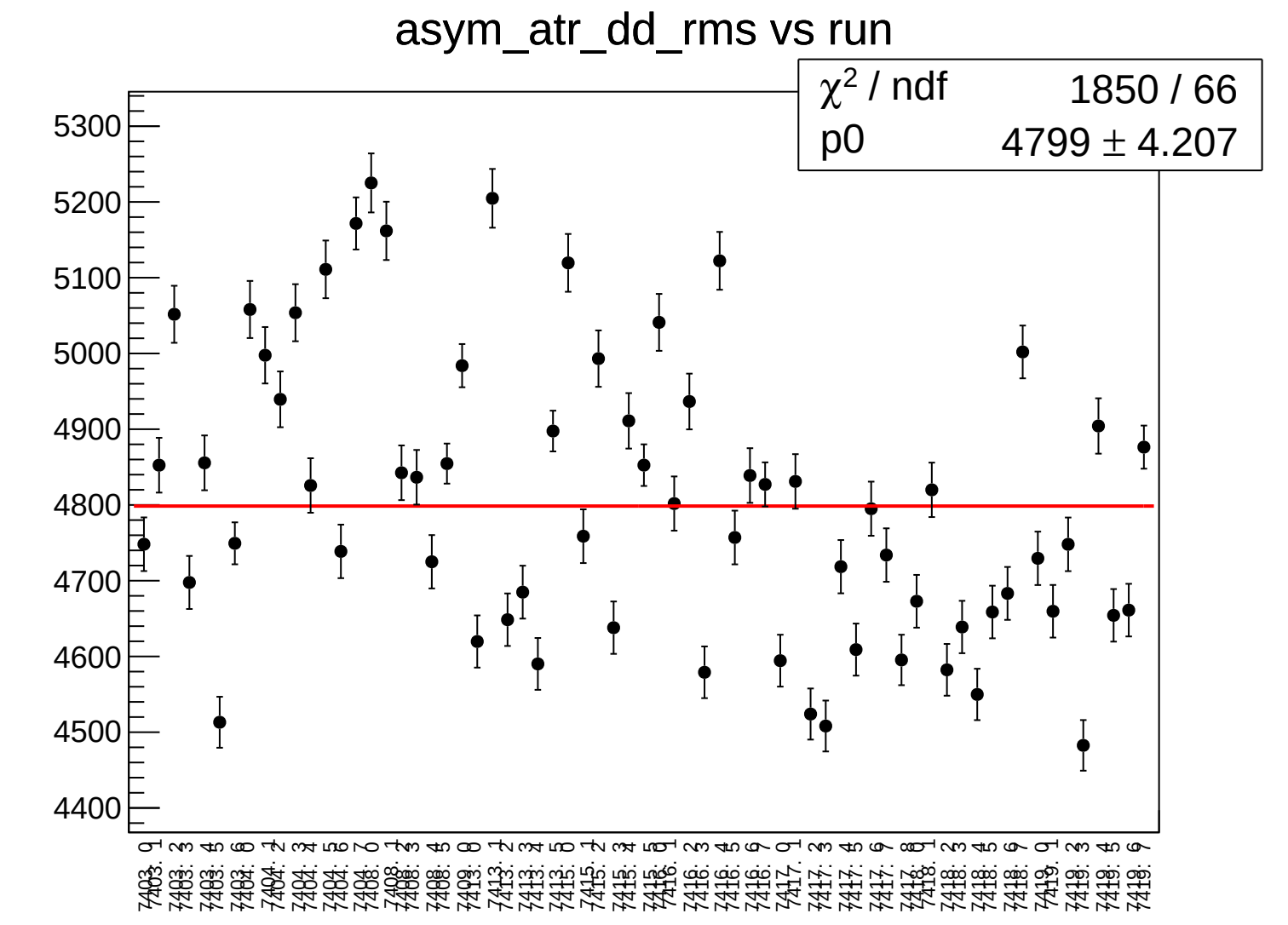

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 59.6 / 66
p0 −2631 ± 5442
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean 106.6
Std Dev 100.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

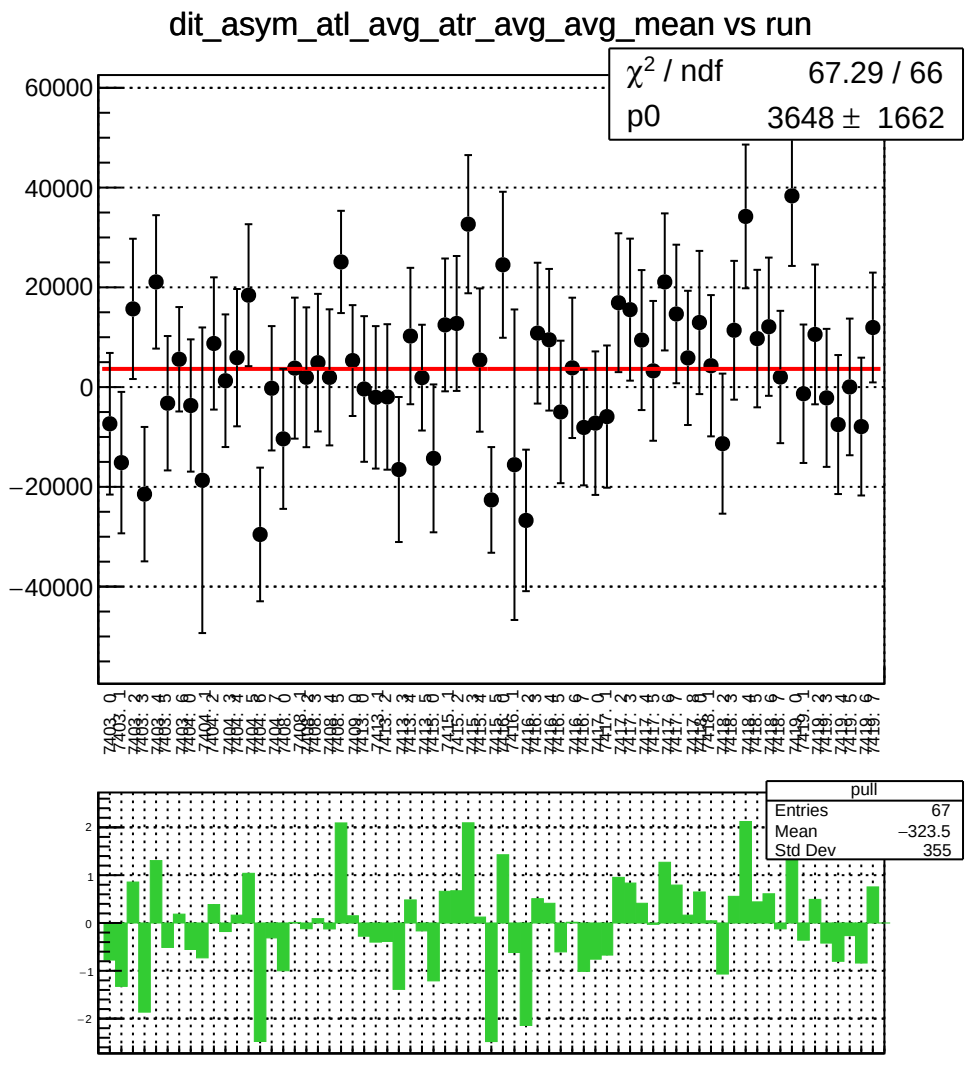

pull1D
Entries 67
Mean −0.01626
Std Dev 0.943
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

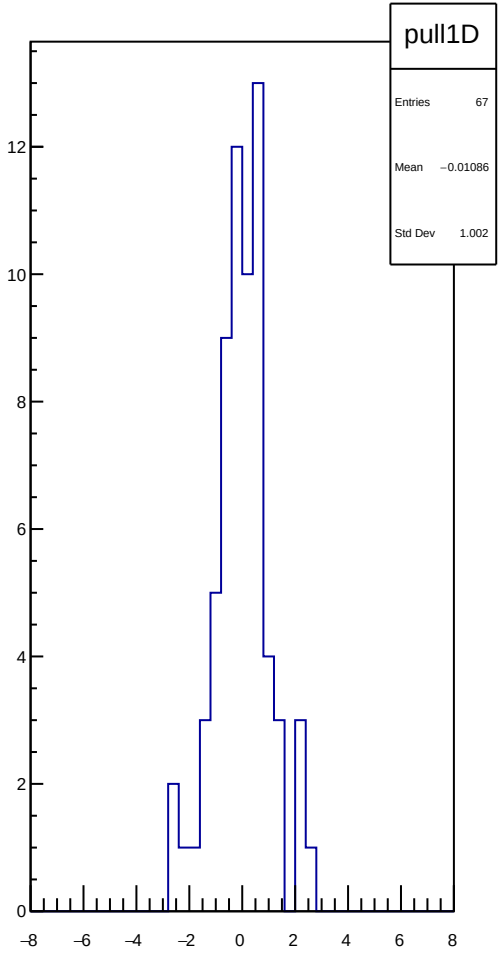

asym_atr_dd_correction_rms vs run
χ² / ndf 2821 / 66
p0 4388 ± 3.848
5000
4800
4600
4400
4200
4000

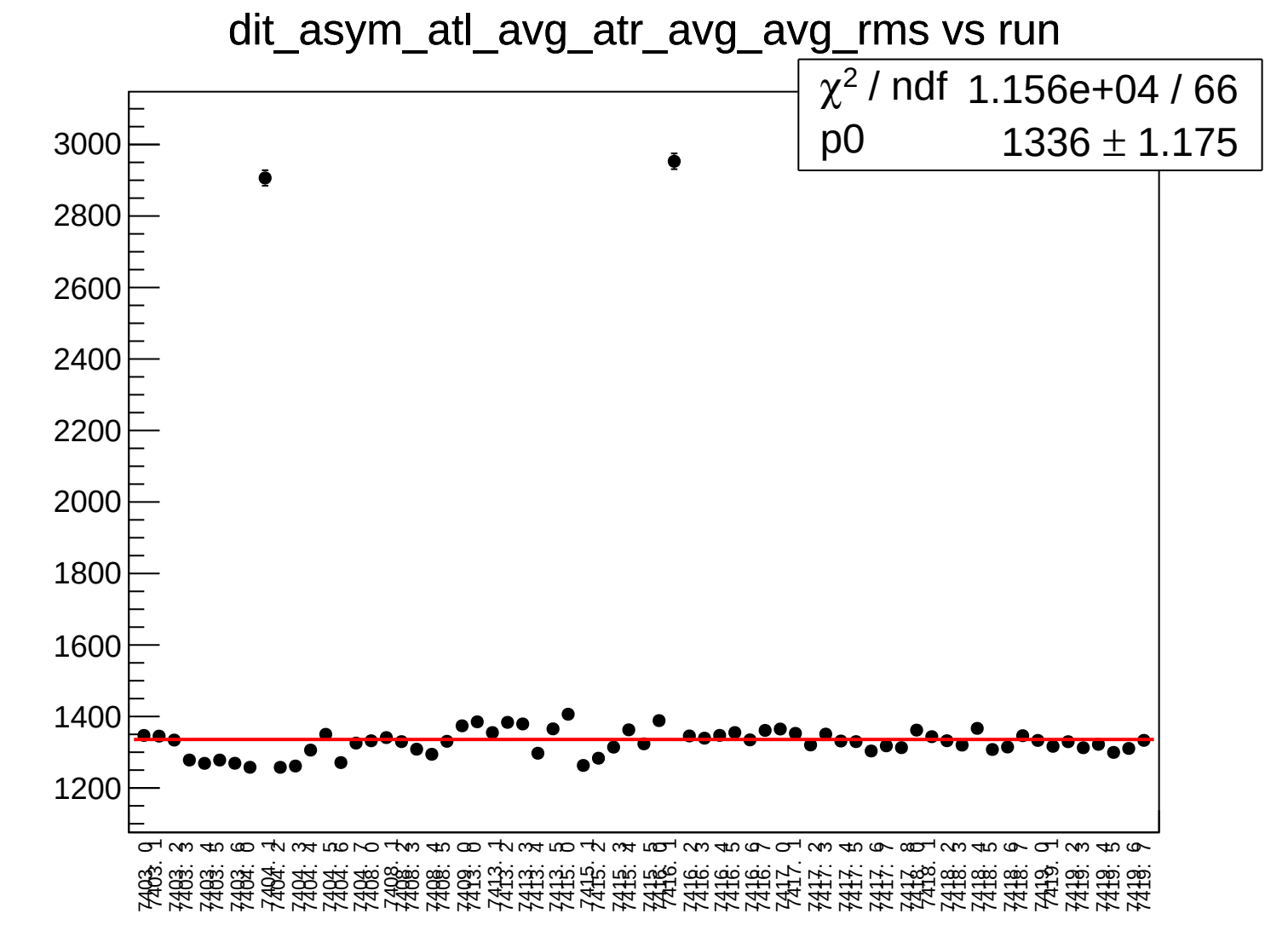

asym_atr_dd_mean vs run
×10^3
χ² / ndf 58.08 / 66
p0 5528 ± 5949
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean 42.02
Std Dev 67.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

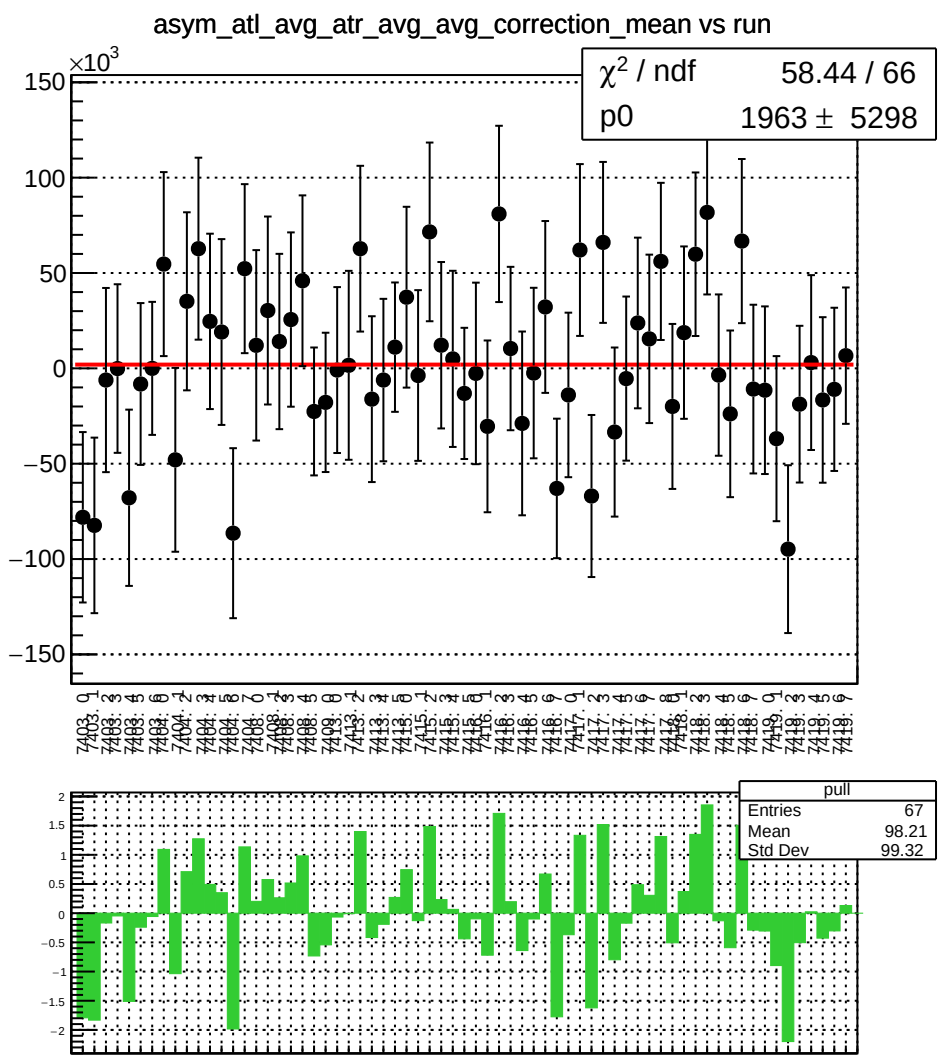

pull1D
Entries 67
Mean 0.01431
Std Dev 0.9309
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

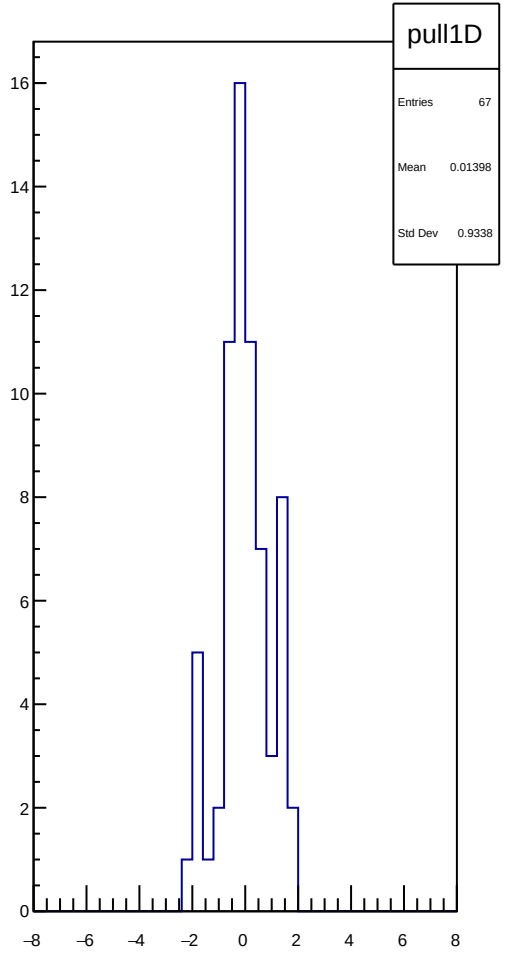

asym_atr_dd_rms vs run
χ² / ndf 1850 / 66
p0 4799 ± 4.207
5300
5200
5100
5000
4900
4800
4700
4600
4500
4400

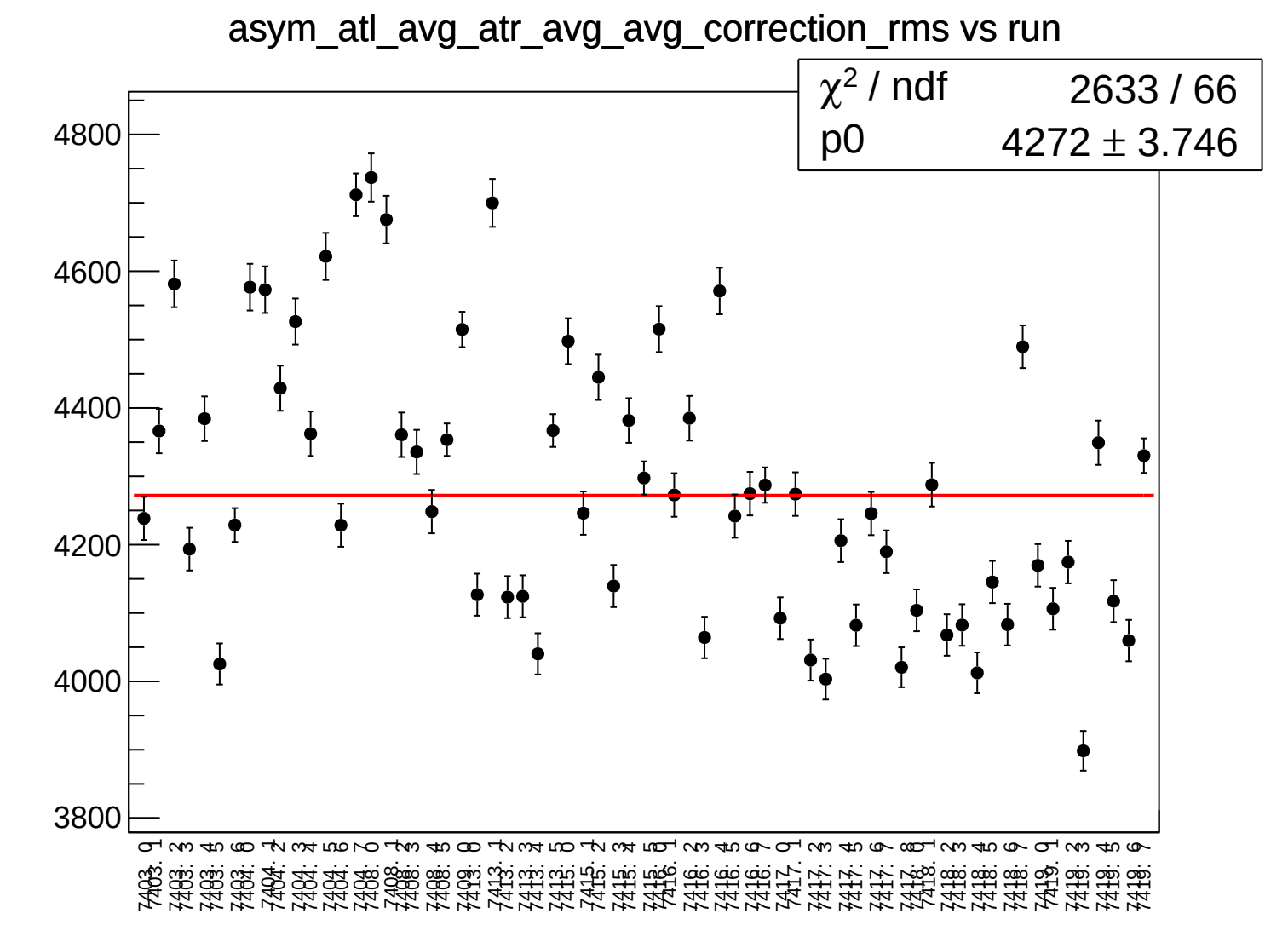

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 67.29 / 66
p0 3648 ± 1662
60000
40000
20000
0
−20000
−40000
pull
Entries 67
Mean −323.5
Std Dev 355
2
1
0
−1
−2

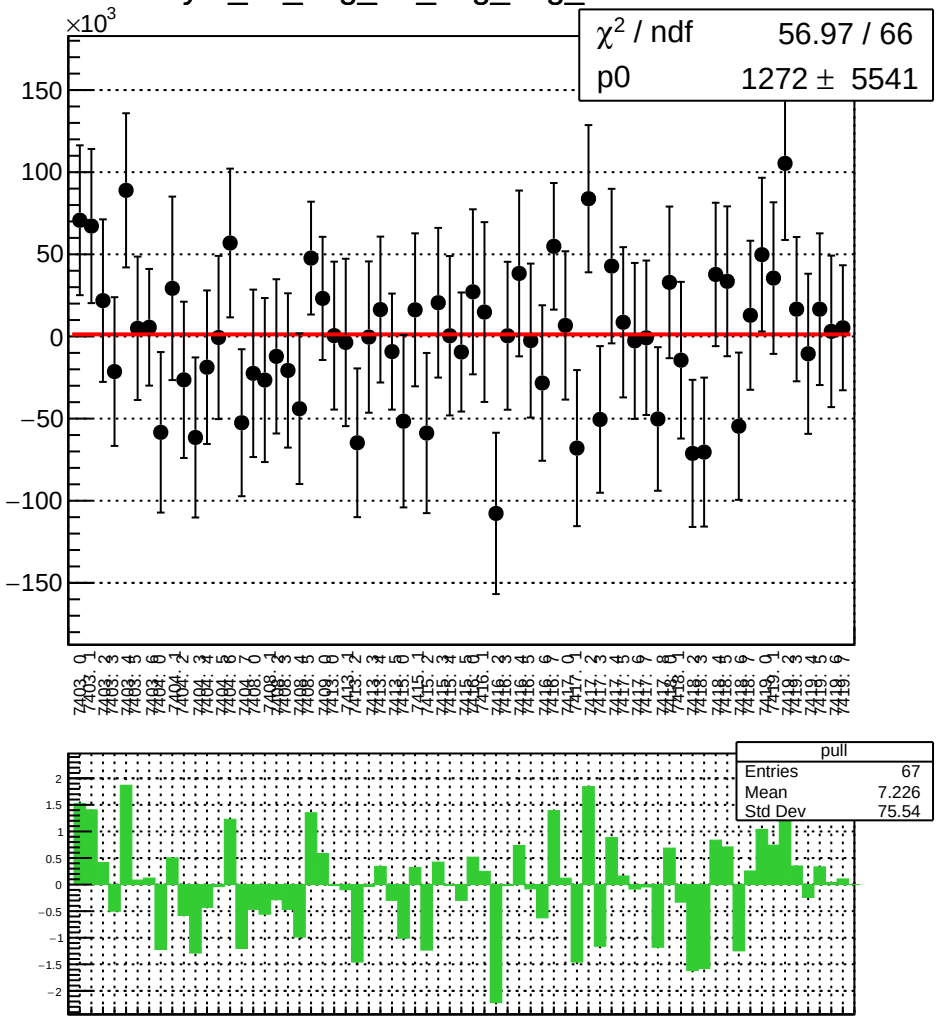

pull1D
Entries 67
Mean −0.01086
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

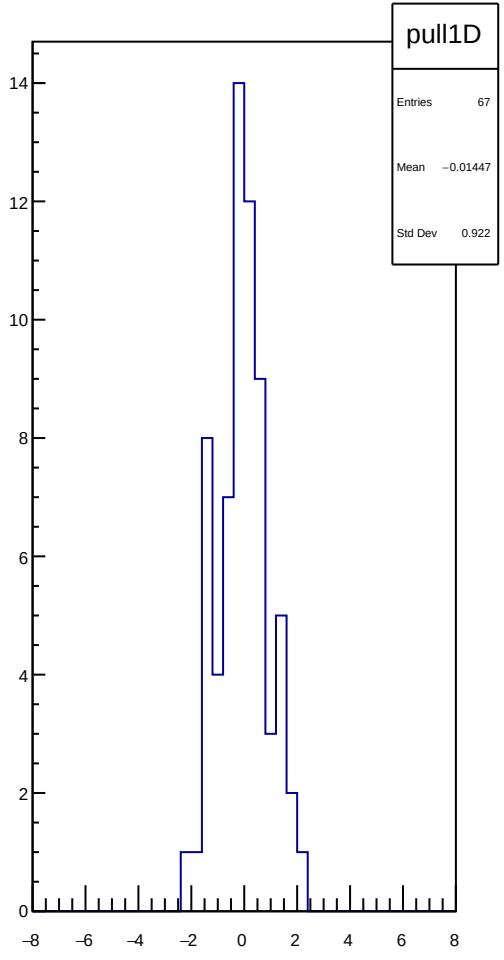

dit_asym_atl_avg_atr_avg_avg_rms vs run
$\chi^2$ / ndf 1.156e+04 / 66
p0 1336 ± 1.175
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

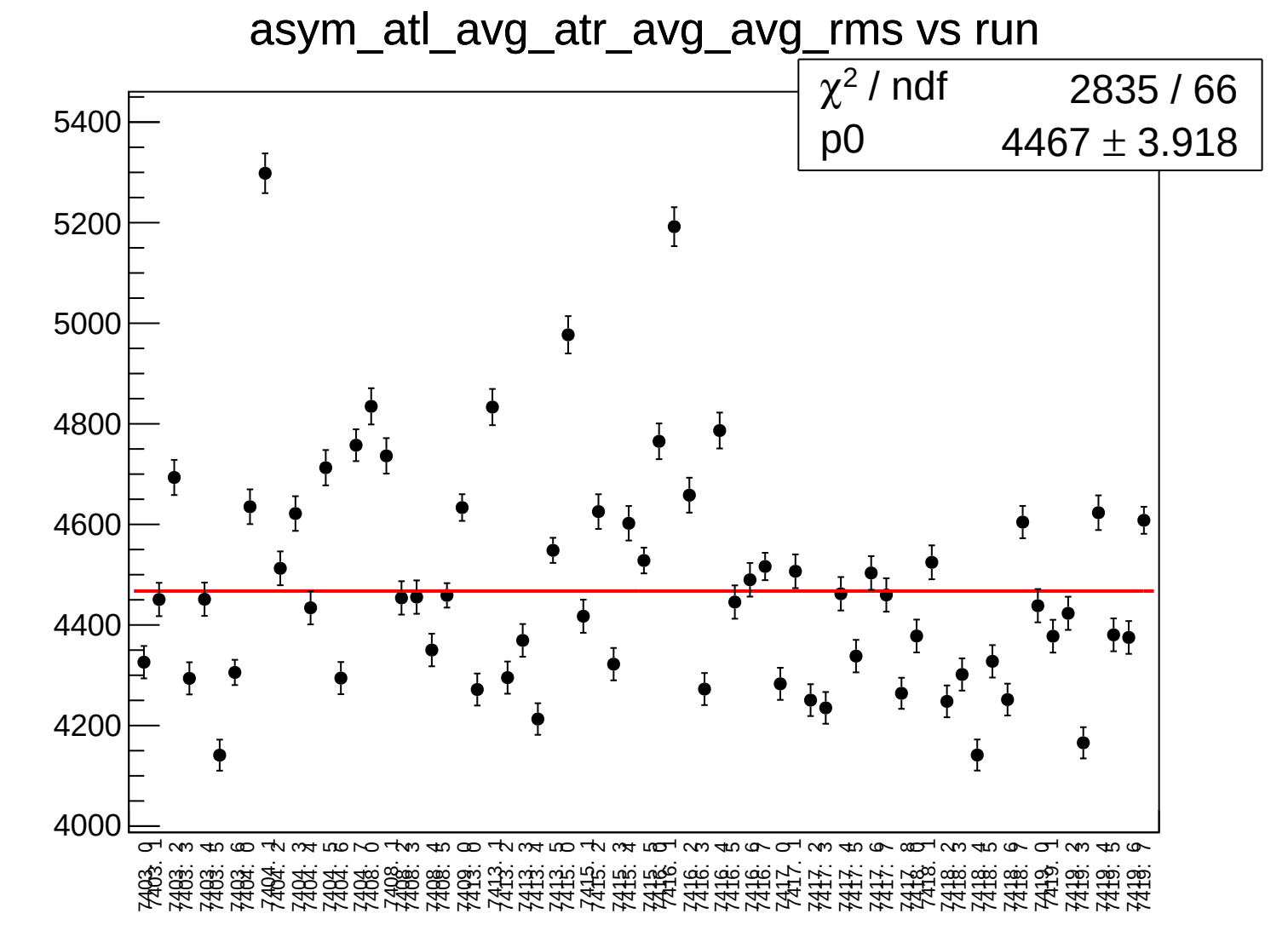

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 58.44 / 66
p0 1963 ± 5298
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean 98.21
Std Dev 99.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

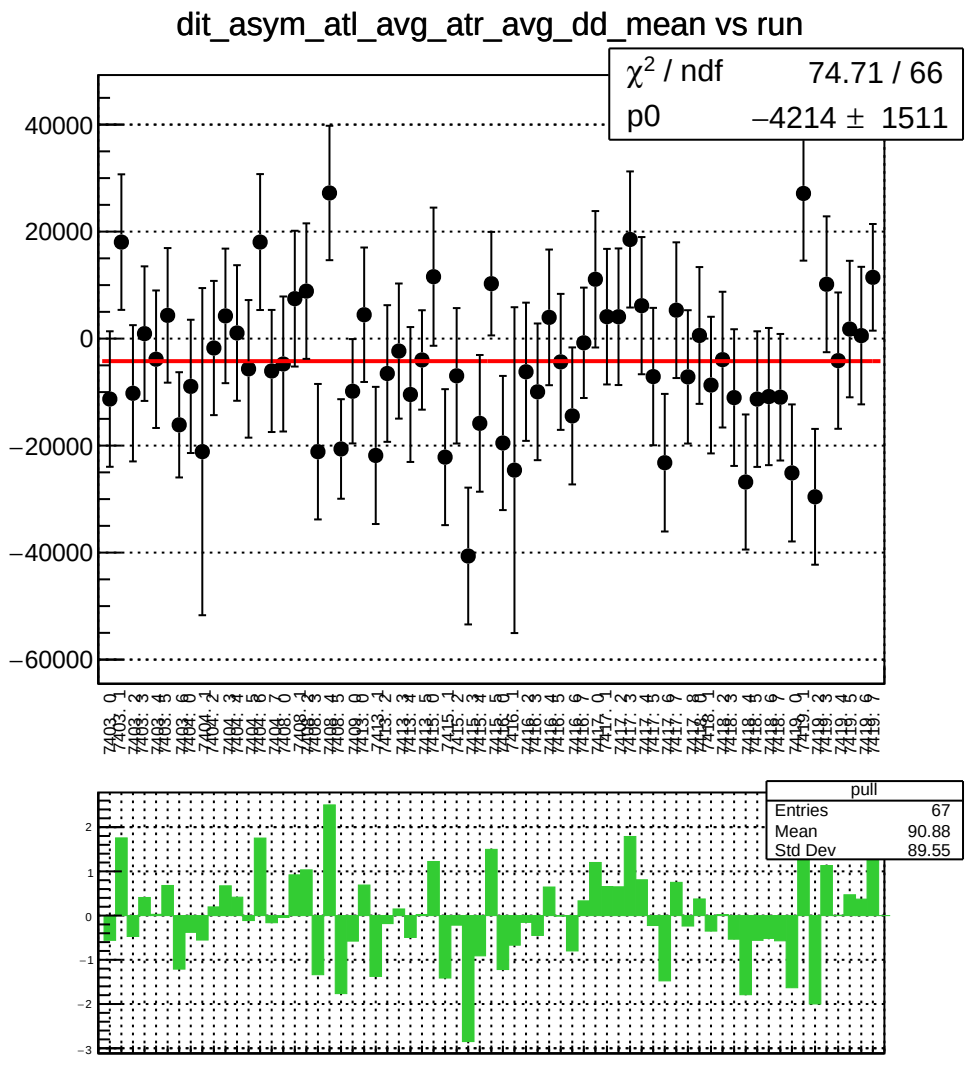

pull1D
Entries 67
Mean 0.01398
Std Dev 0.9338
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

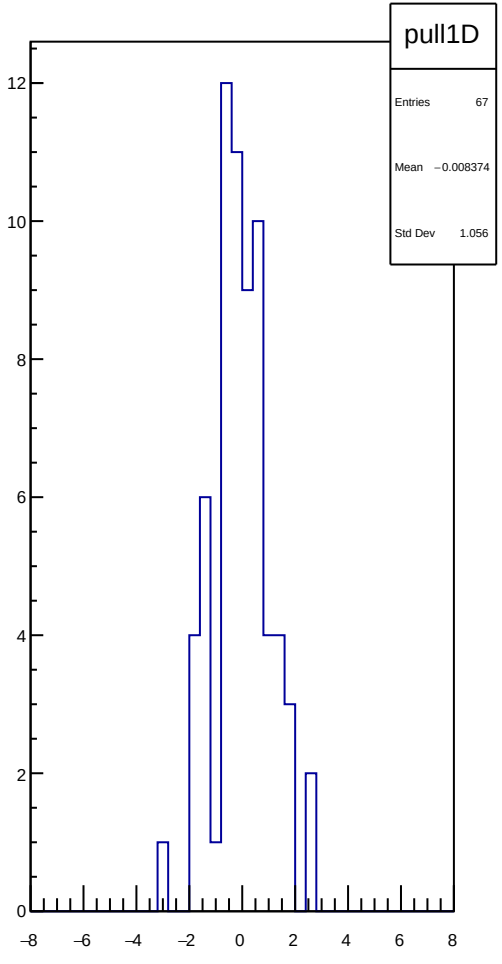

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2633 / 66
p0 4272 ± 3.746
4800
4600
4400
4200
4000
3800

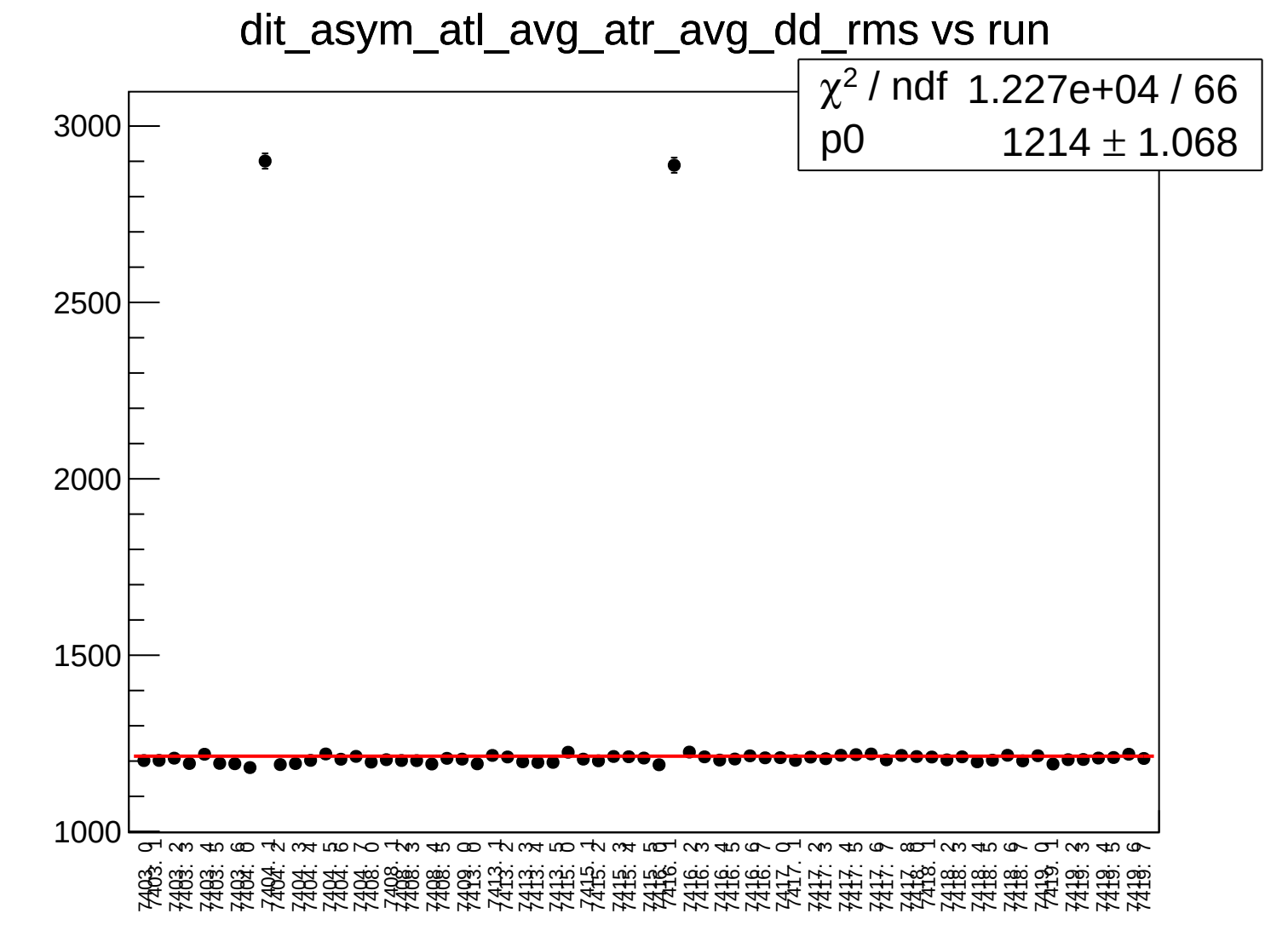

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 56.97 / 66
p0 1272 ± 5541
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean 7.226
Std Dev 75.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

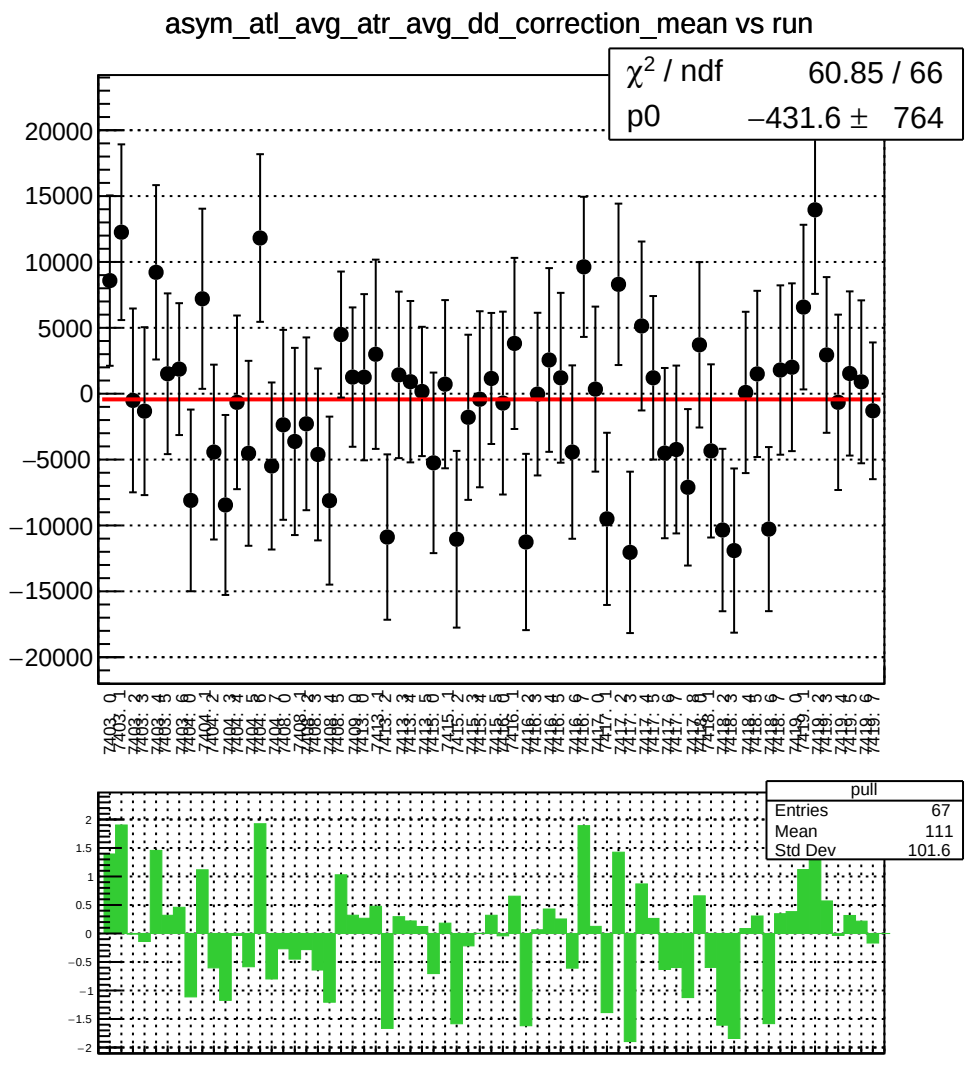

pull1D
Entries 67
Mean −0.01447
Std Dev 0.922
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

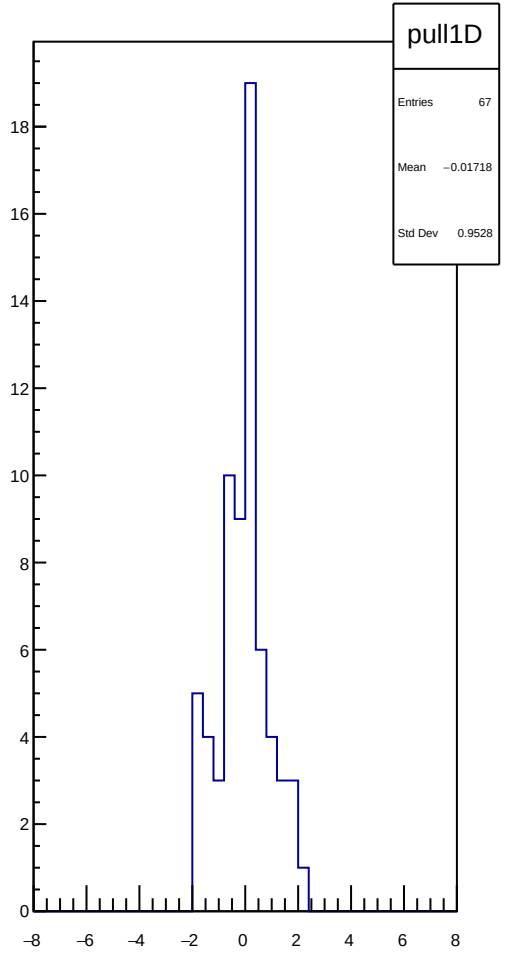

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2835 / 66
p0 4467 ± 3.918
5400
5200
5000
4800
4600
4400
4200
4000

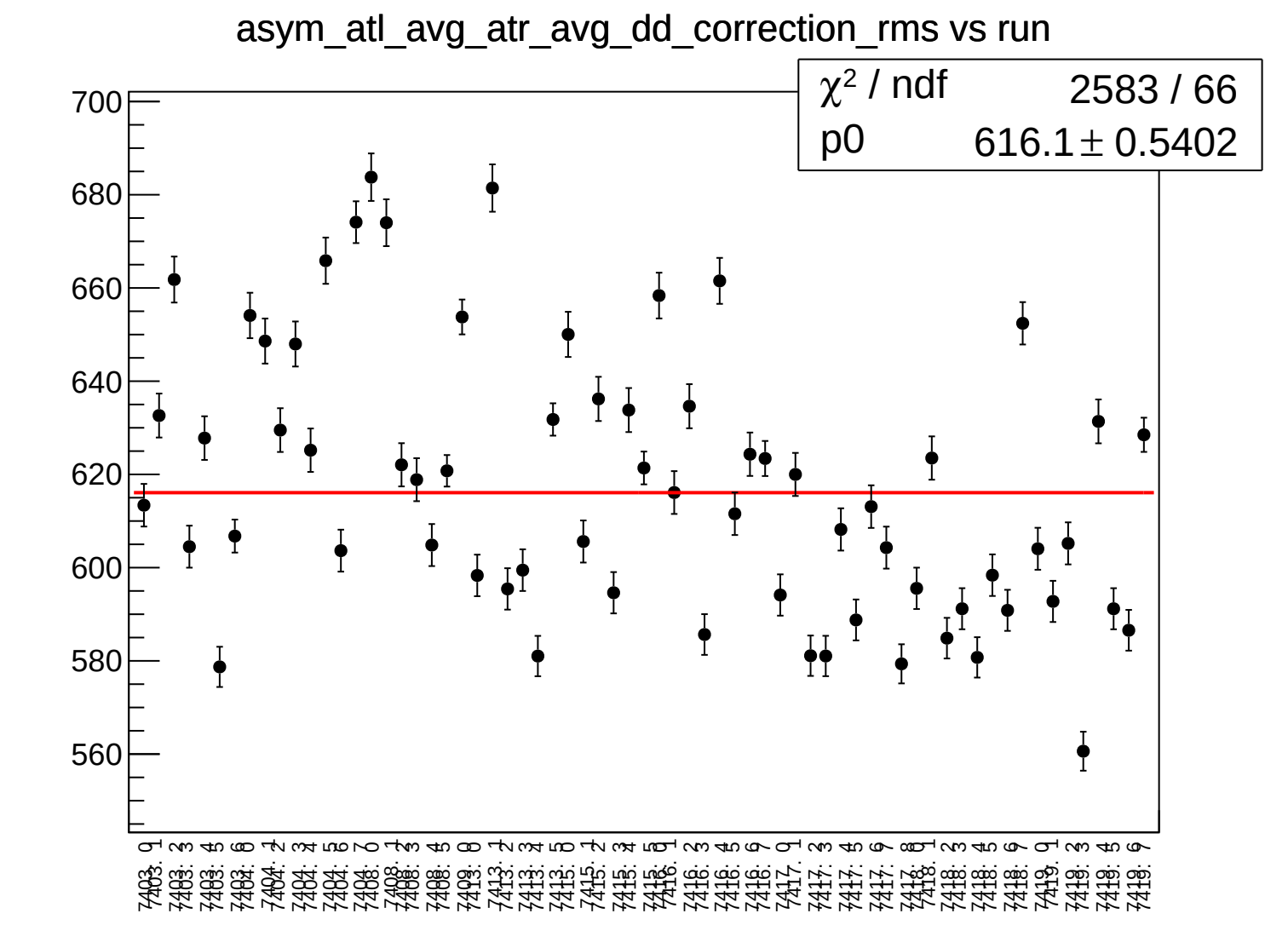

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.71 / 66
p0 −4214 ± 1511
40000
20000
0
−20000
−40000
−60000
pull
Entries 67
Mean 90.88
Std Dev 89.55
2
1
0
−1
−2
−3

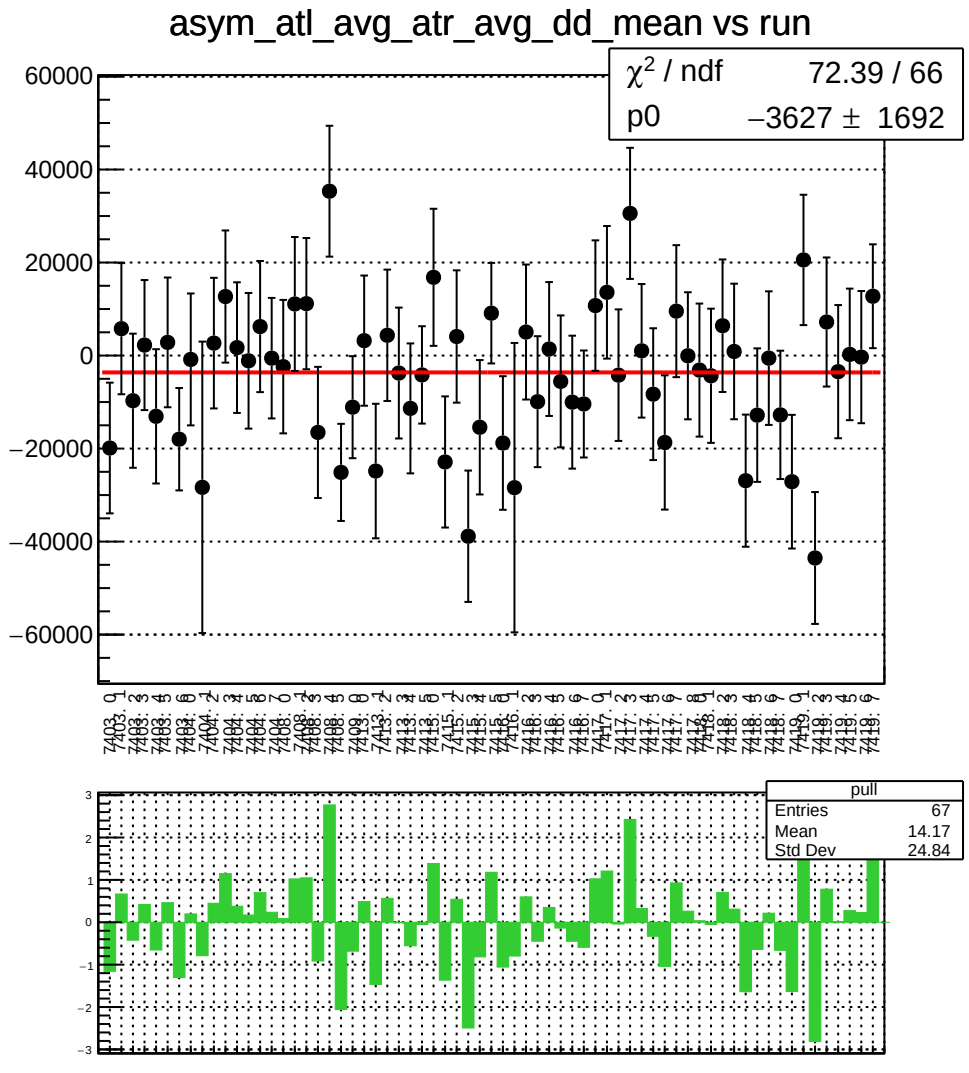

pull1D
Entries 67
Mean −0.008374
Std Dev 1.056
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

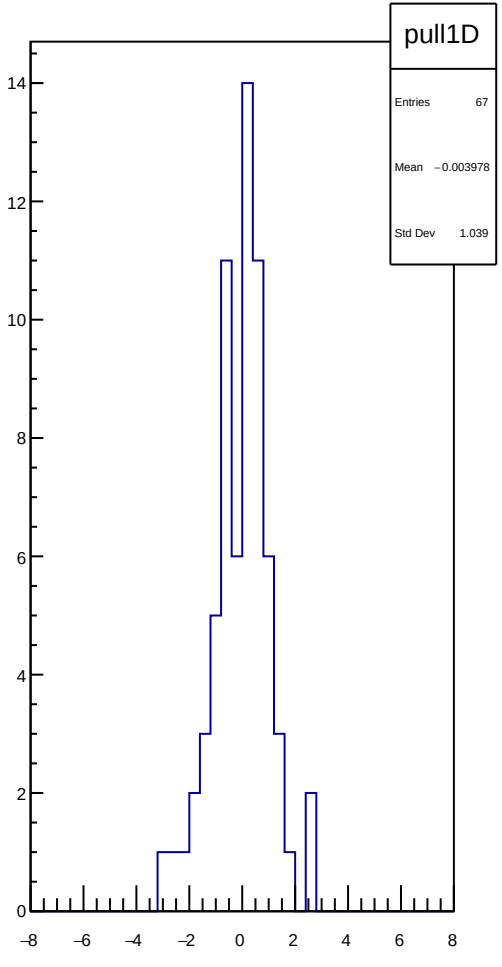

dit_asym_atl_avg_atr_avg_dd_rms vs run
$\chi^2$ / ndf 1.227e+04 / 66
p0 1214 ± 1.068
3000
2500
2000
1500
1000

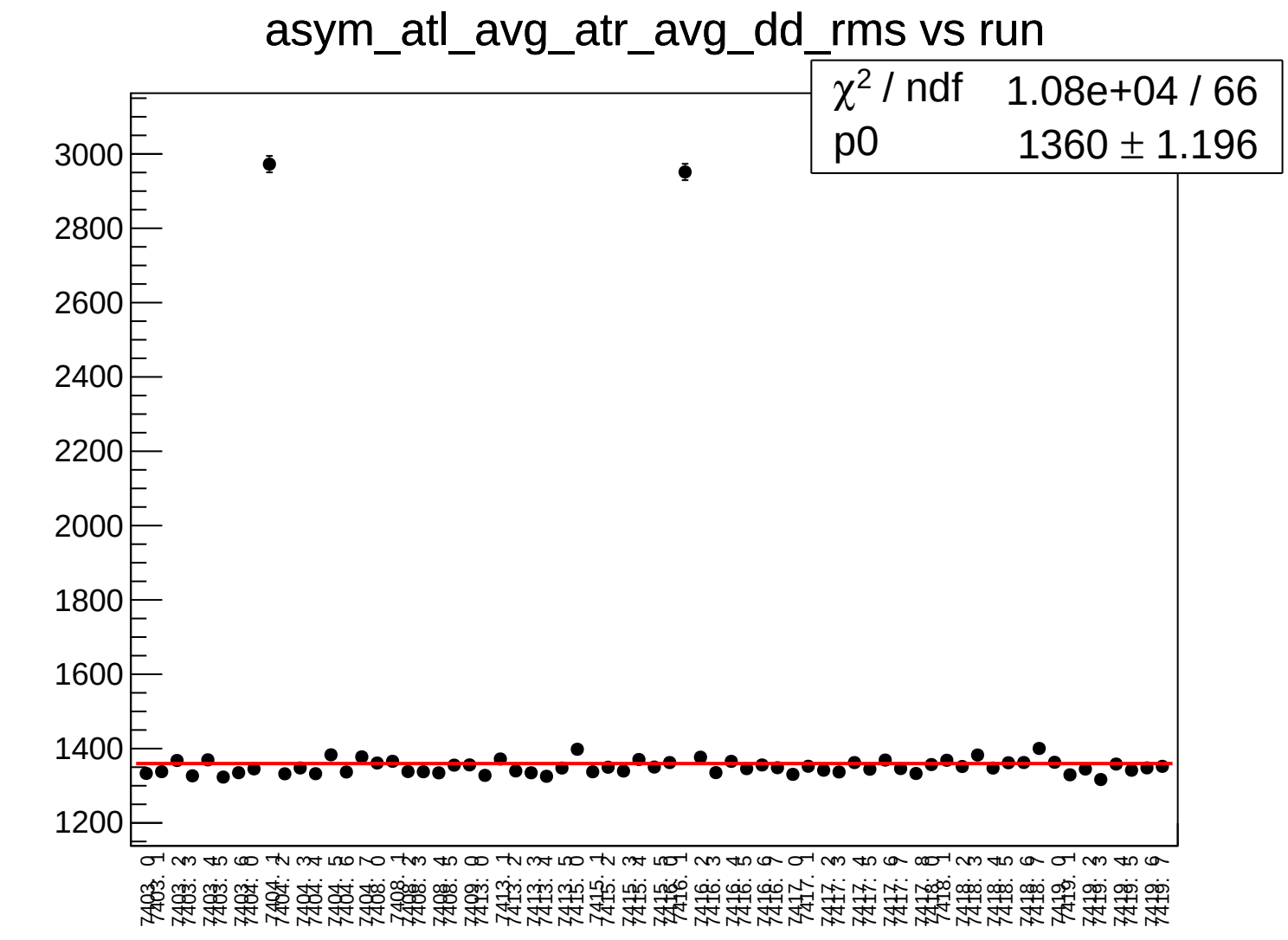

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 60.85 / 66
p0 −431.6 ± 764
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 67
Mean 111
Std Dev 101.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

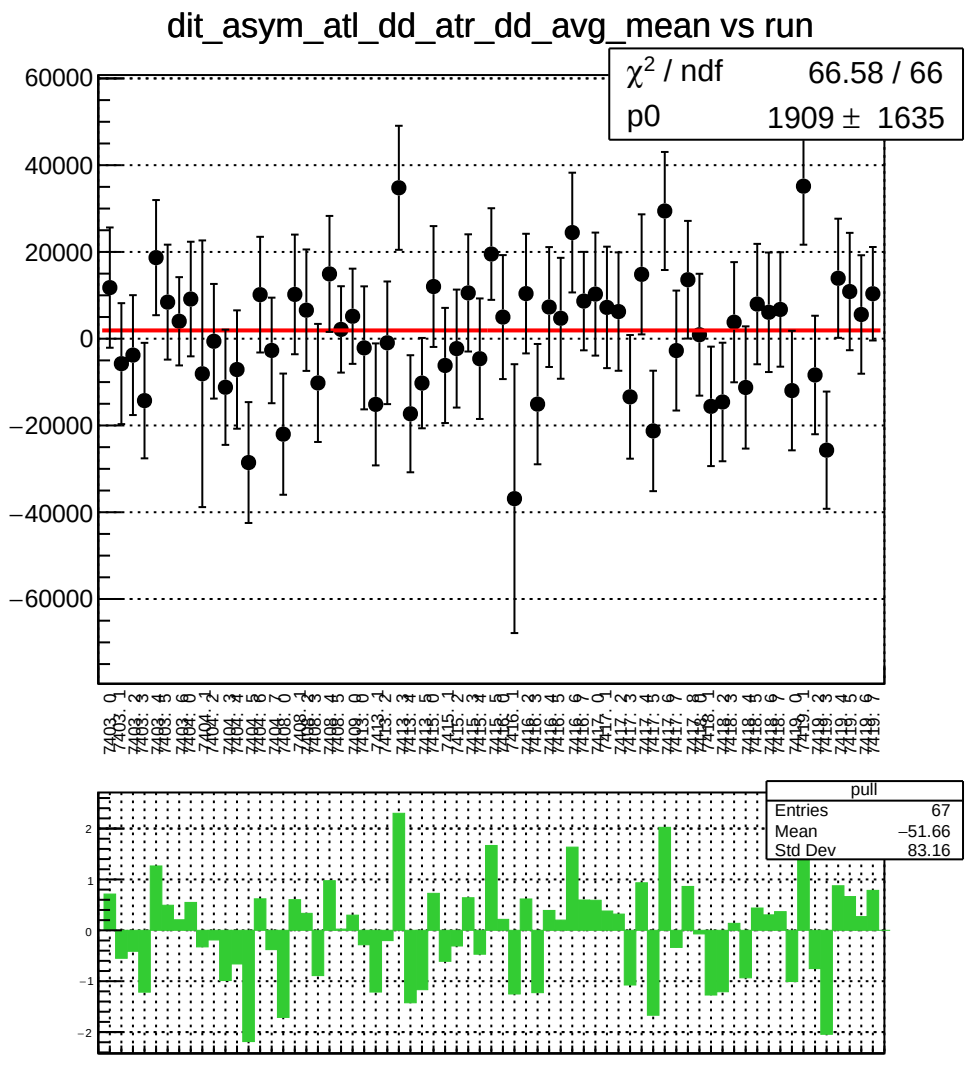

pull1D
Entries 67
Mean −0.01718
Std Dev 0.9528
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

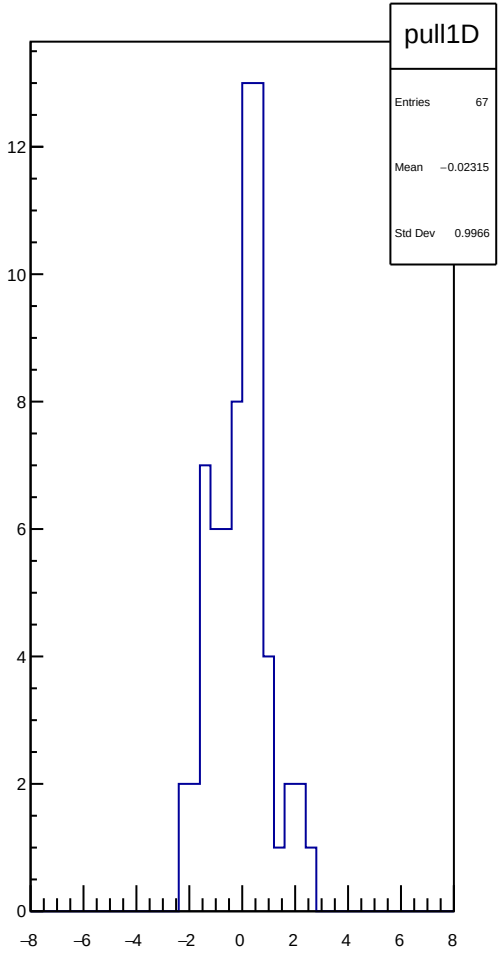

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2583 / 66
p0 616.1 ± 0.5402
700
680
660
640
620
600
580
560

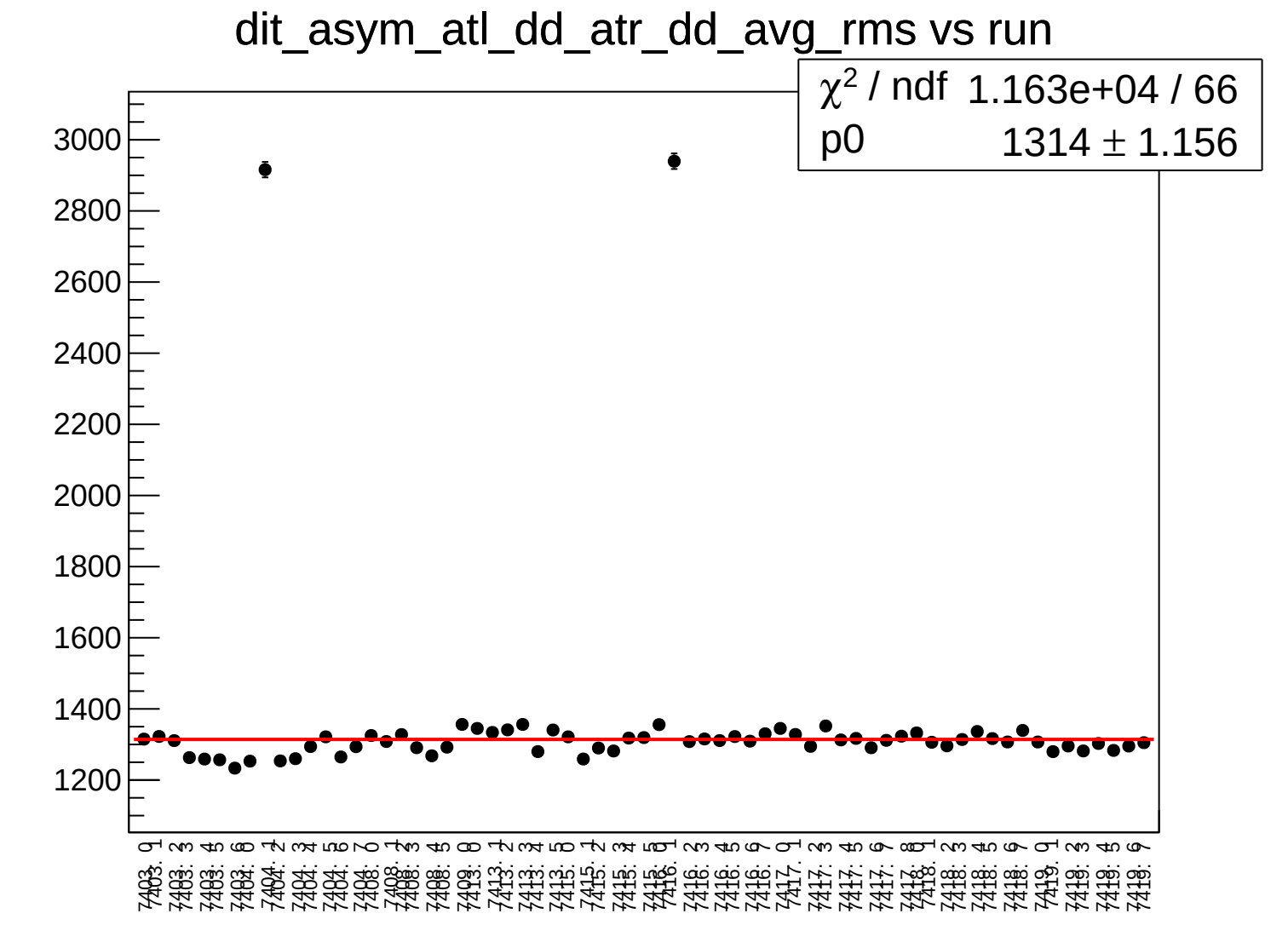

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 72.39 / 66
p0 −3627 ± 1692
pull
Entries 67
Mean 14.17
Std Dev 24.84

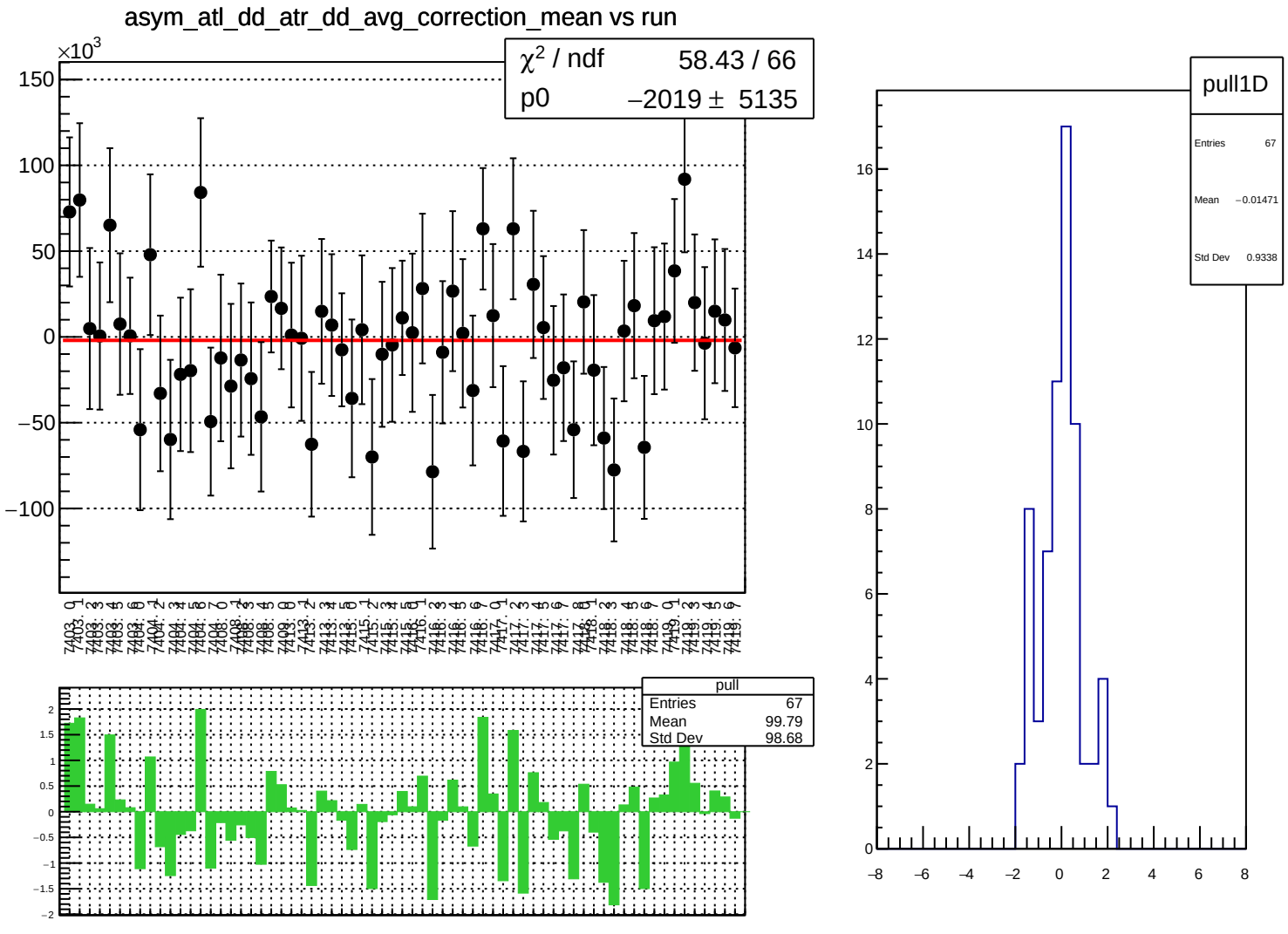

pull1D
Entries 67
Mean −0.003978
Std Dev 1.039

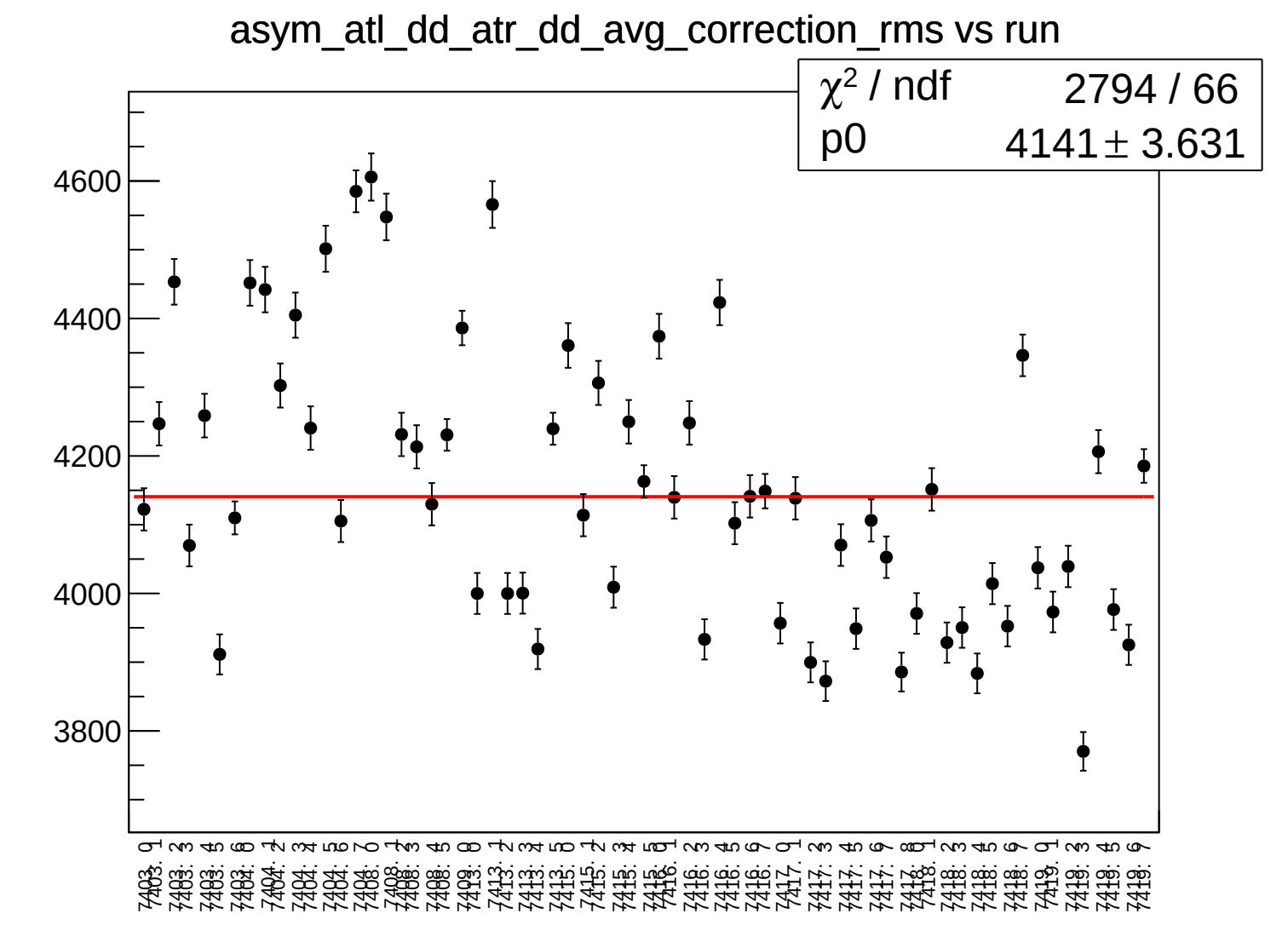

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.08e+04 / 66
p0 1360 ± 1.196
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

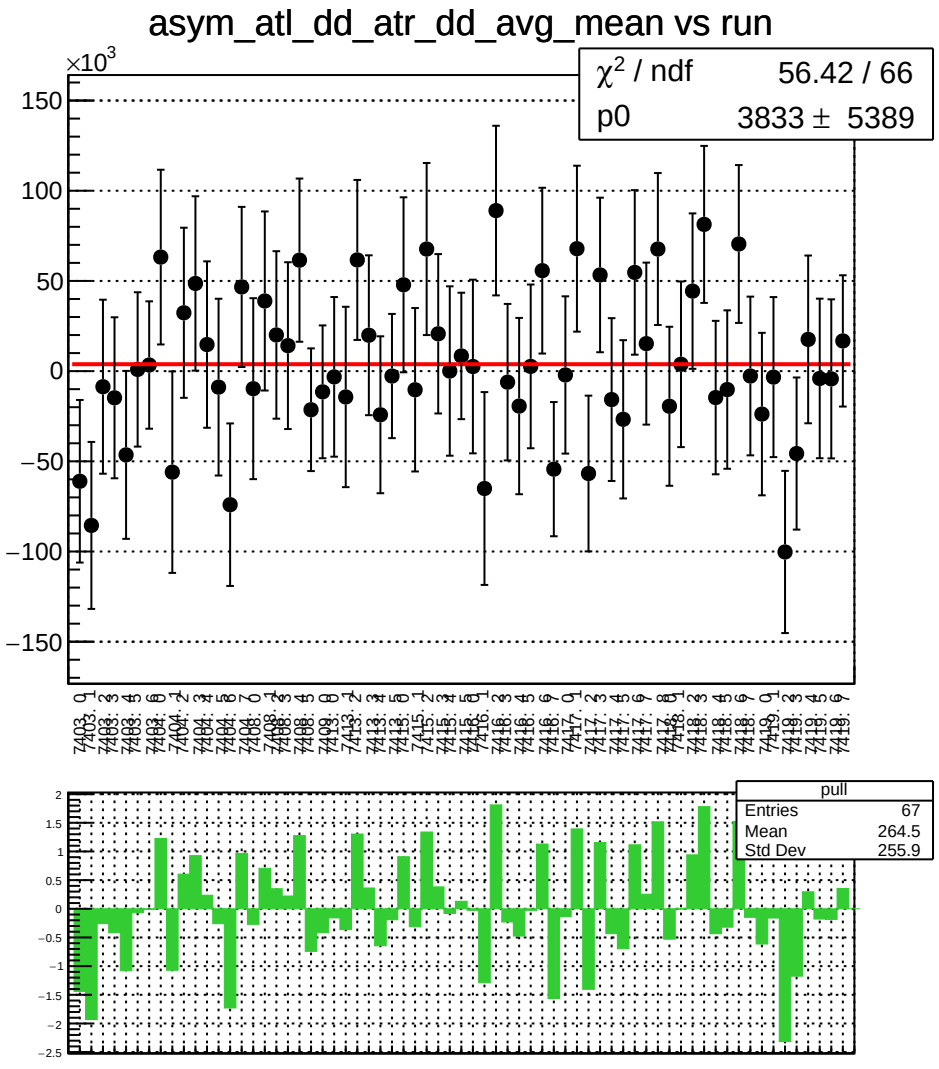

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 66.58 / 66
p0 1909 ± 1635
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 67
Mean −51.66
Std Dev 83.16
2
1
0
−1
−2

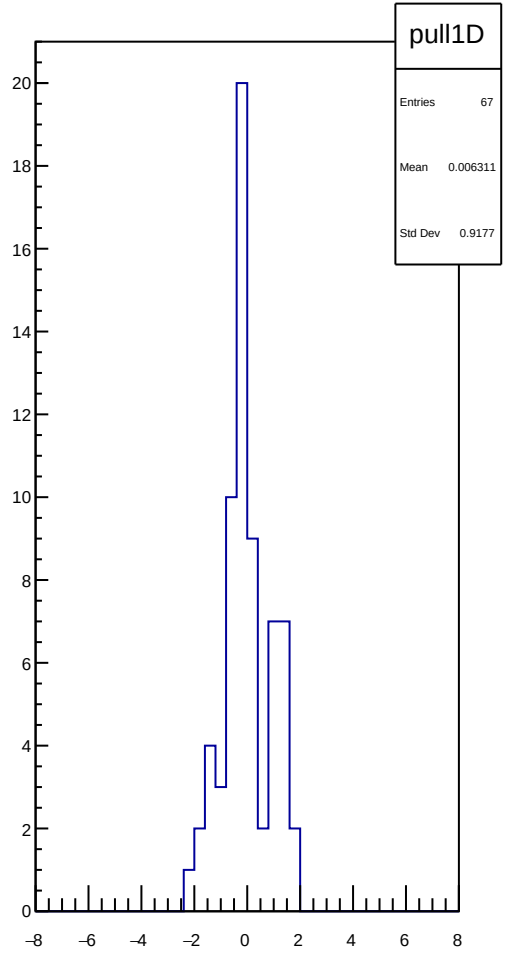

pull1D
Entries 67
Mean −0.02315
Std Dev 0.9966
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

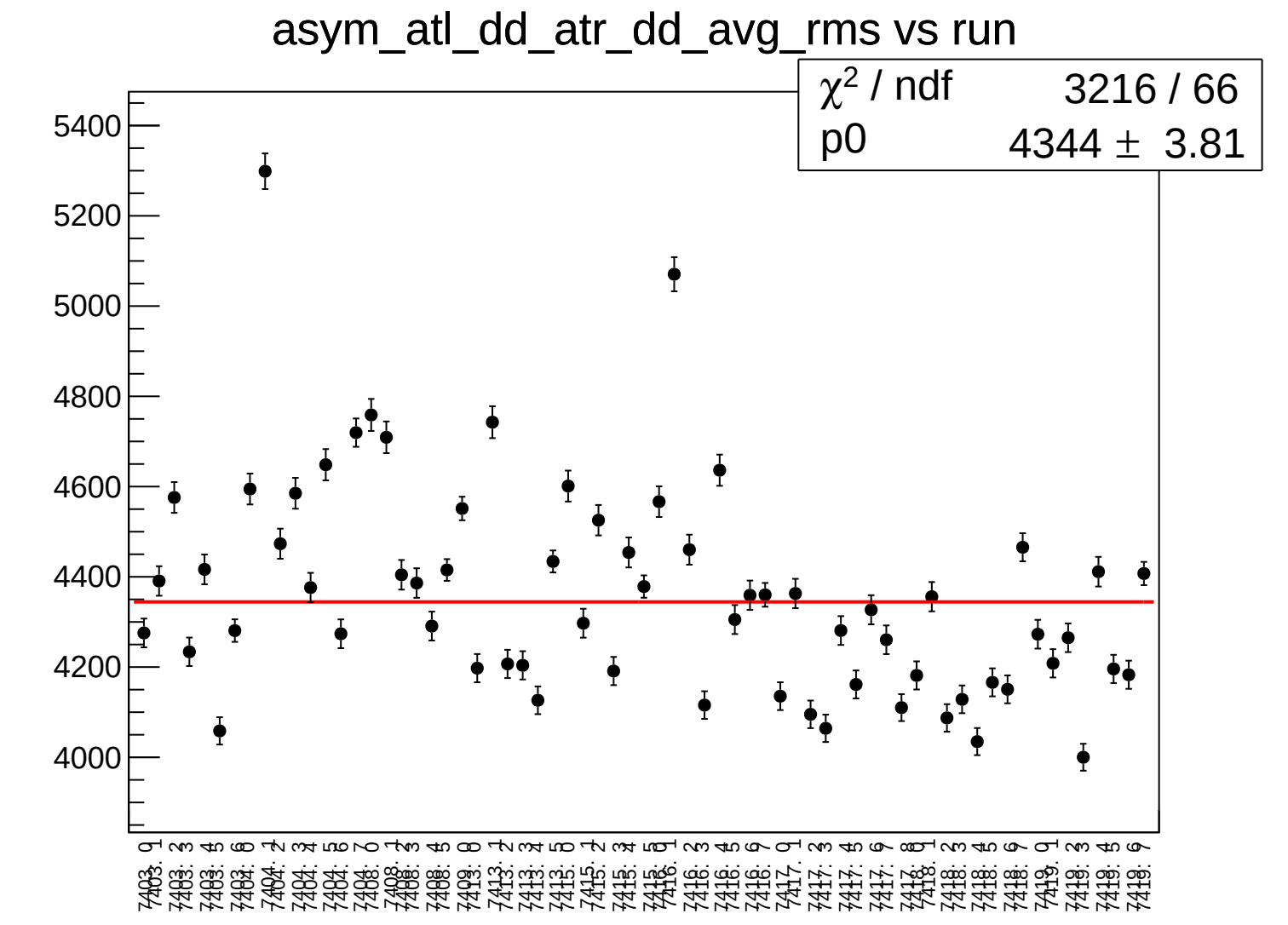

dit_asym_atl_dd_atr_dd_avg_rms vs run
$\chi^2$ / ndf 1.163e+04 / 66
p0 1314 ± 1.156
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

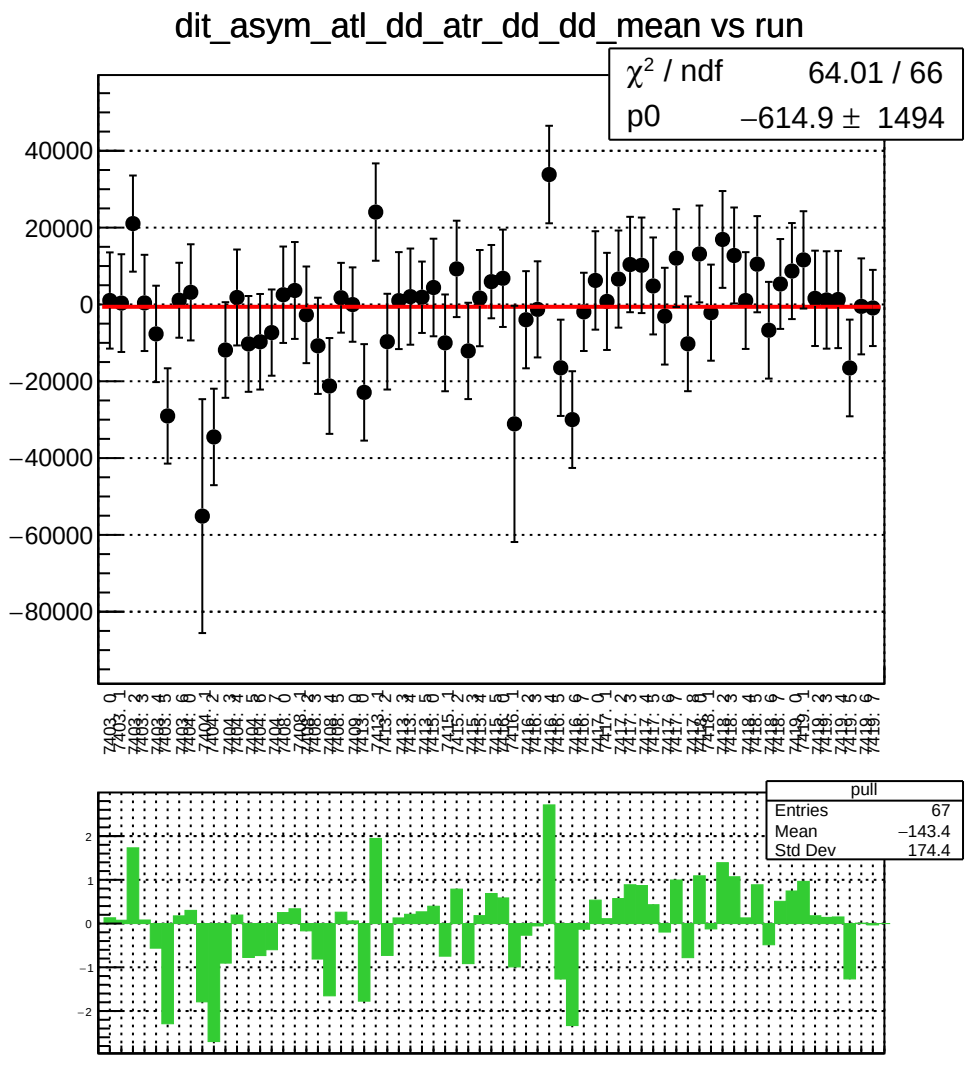

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 58.43 / 66
p0 −2019 ± 5135
pull
Entries 67
Mean 99.79
Std Dev 98.68
pull1D
Entries 67
Mean −0.01471
Std Dev 0.9338

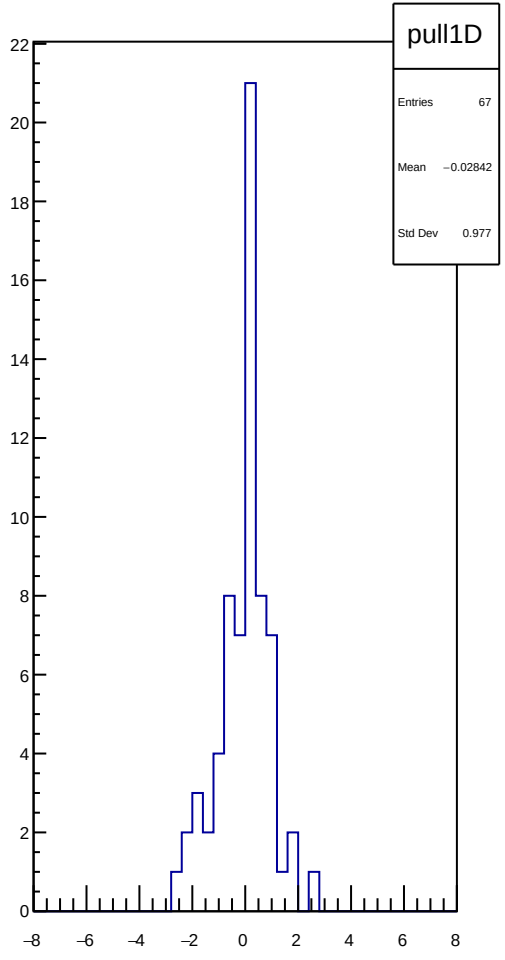

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2794 / 66
p0 4141 ± 3.631
4600
4400
4200
4000
3800

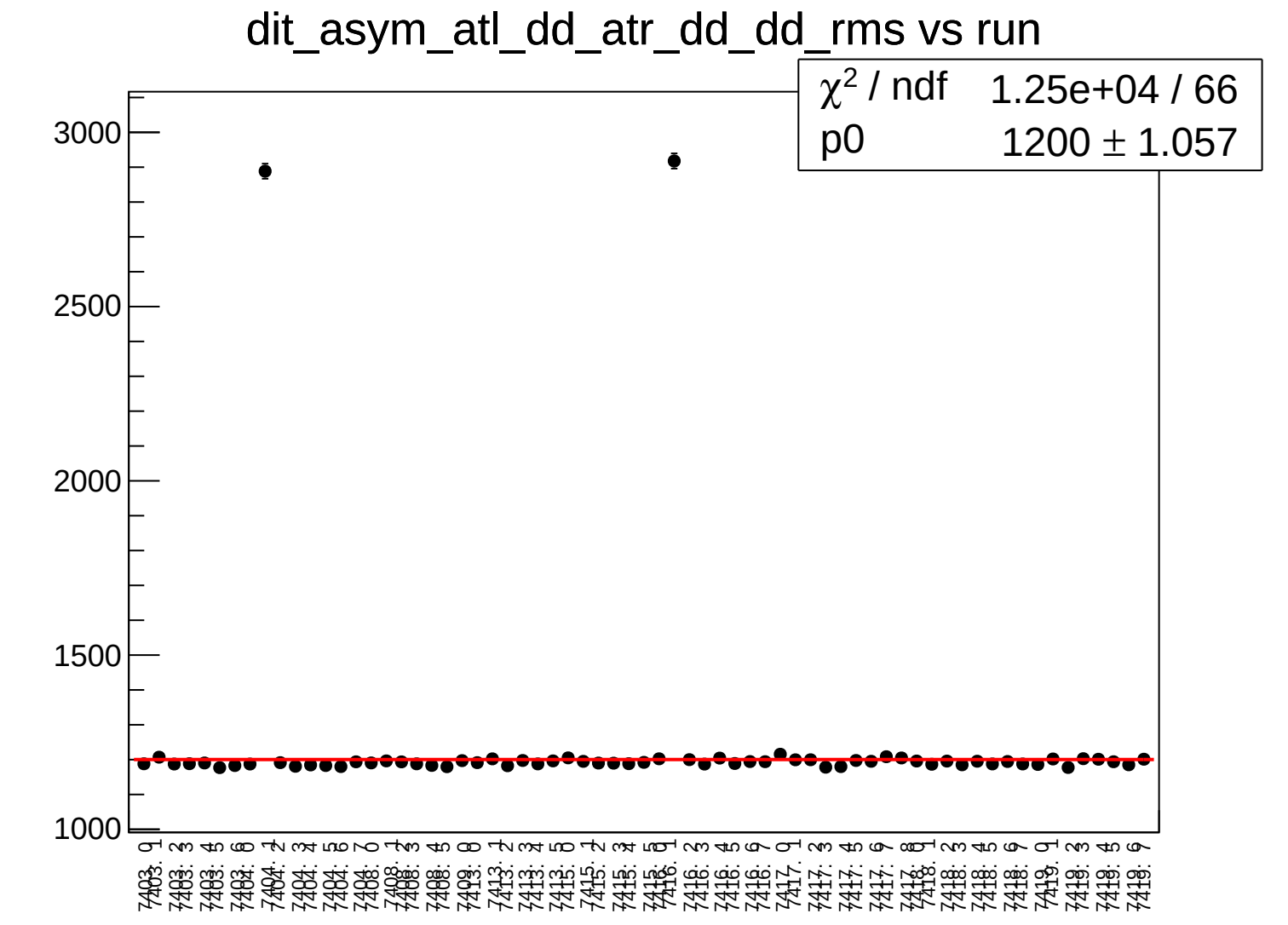

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 56.42 / 66
p0 3833 ± 5389
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean 264.5
Std Dev 255.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

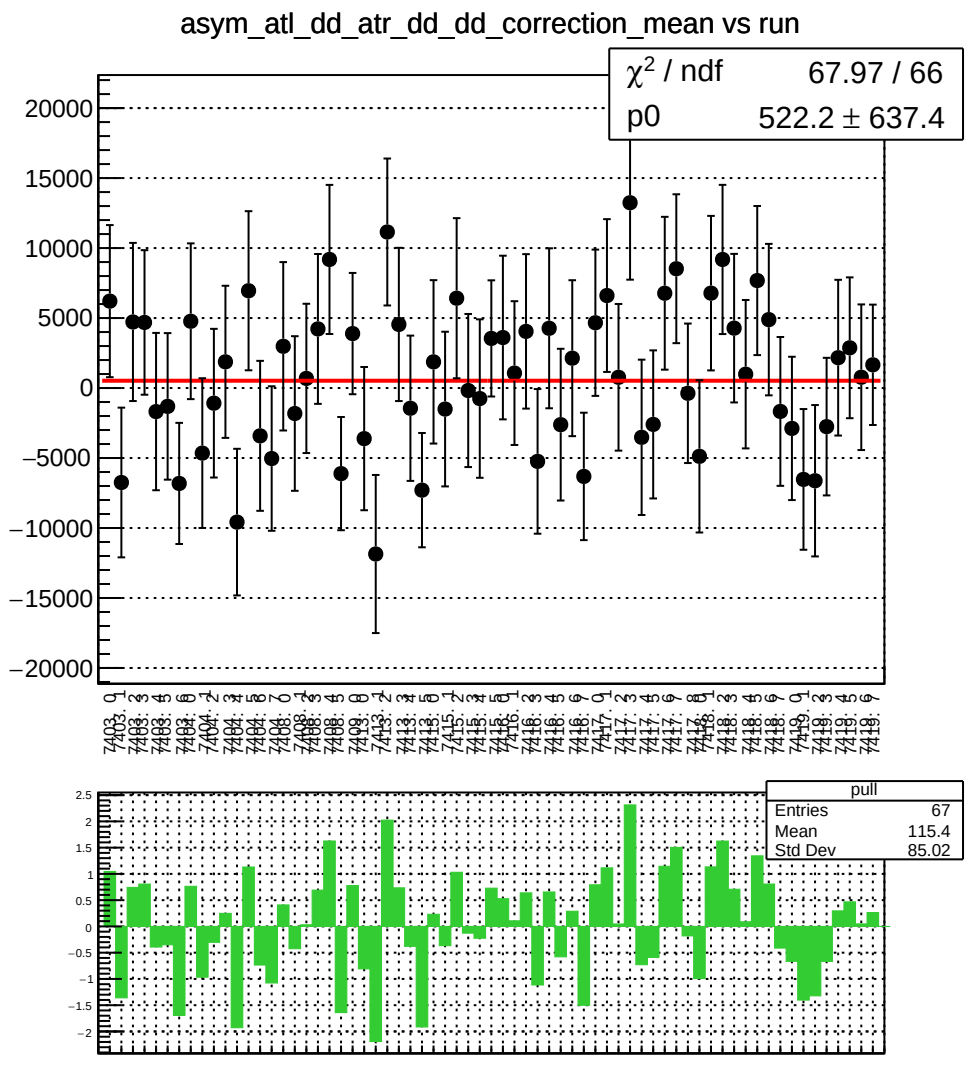

pull1D
Entries 67
Mean 0.006311
Std Dev 0.9177
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

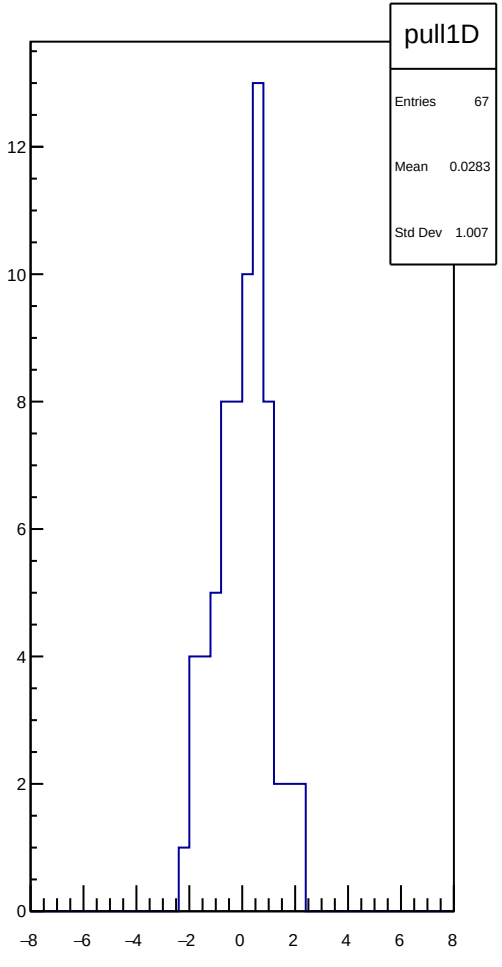

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3216 / 66
p0 4344 ± 3.81
5400
5200
5000
4800
4600
4400
4200
4000

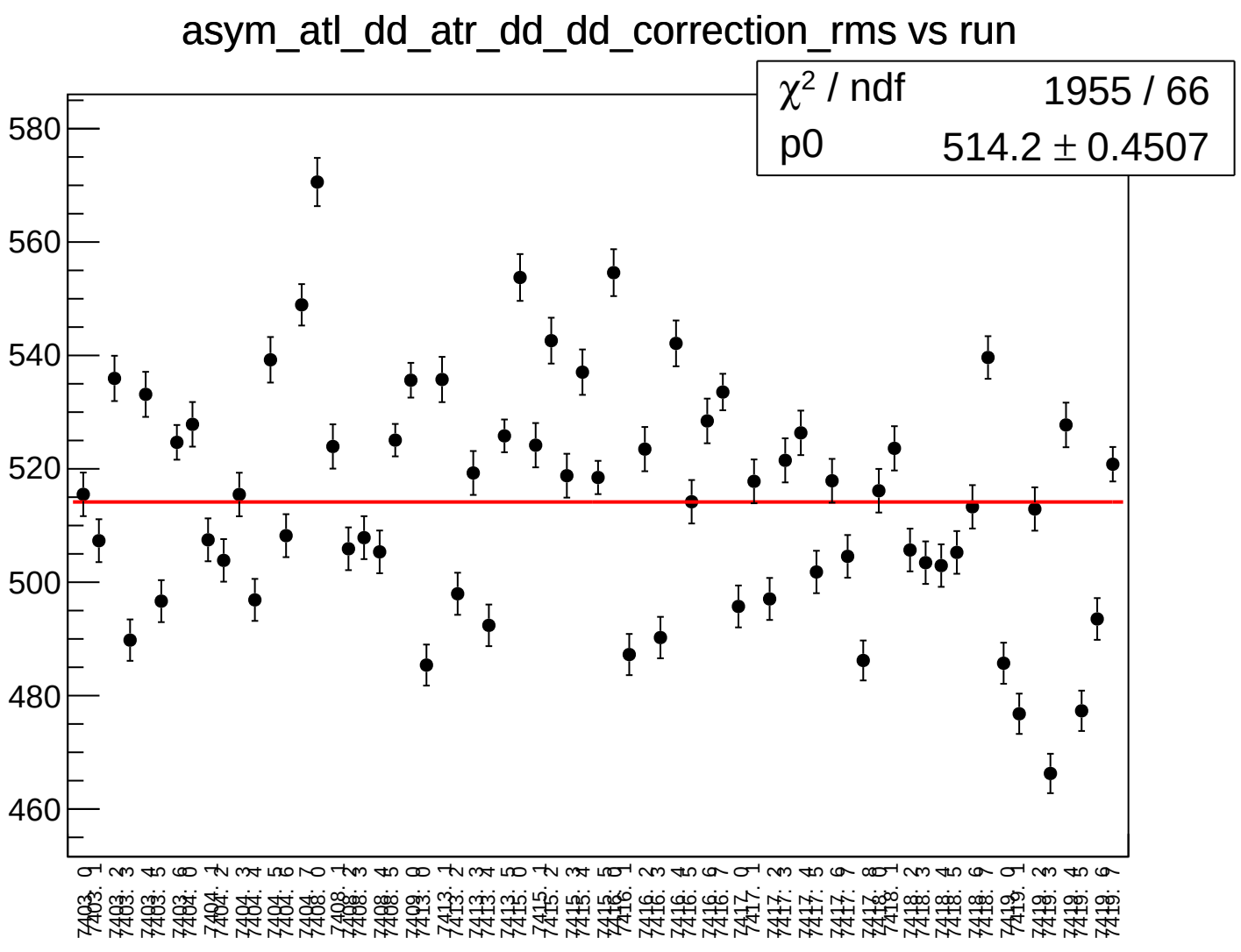

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 64.01 / 66
p0 −614.9 ± 1494
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 67
Mean −143.4
Std Dev 174.4
2
1
0
−1
−2

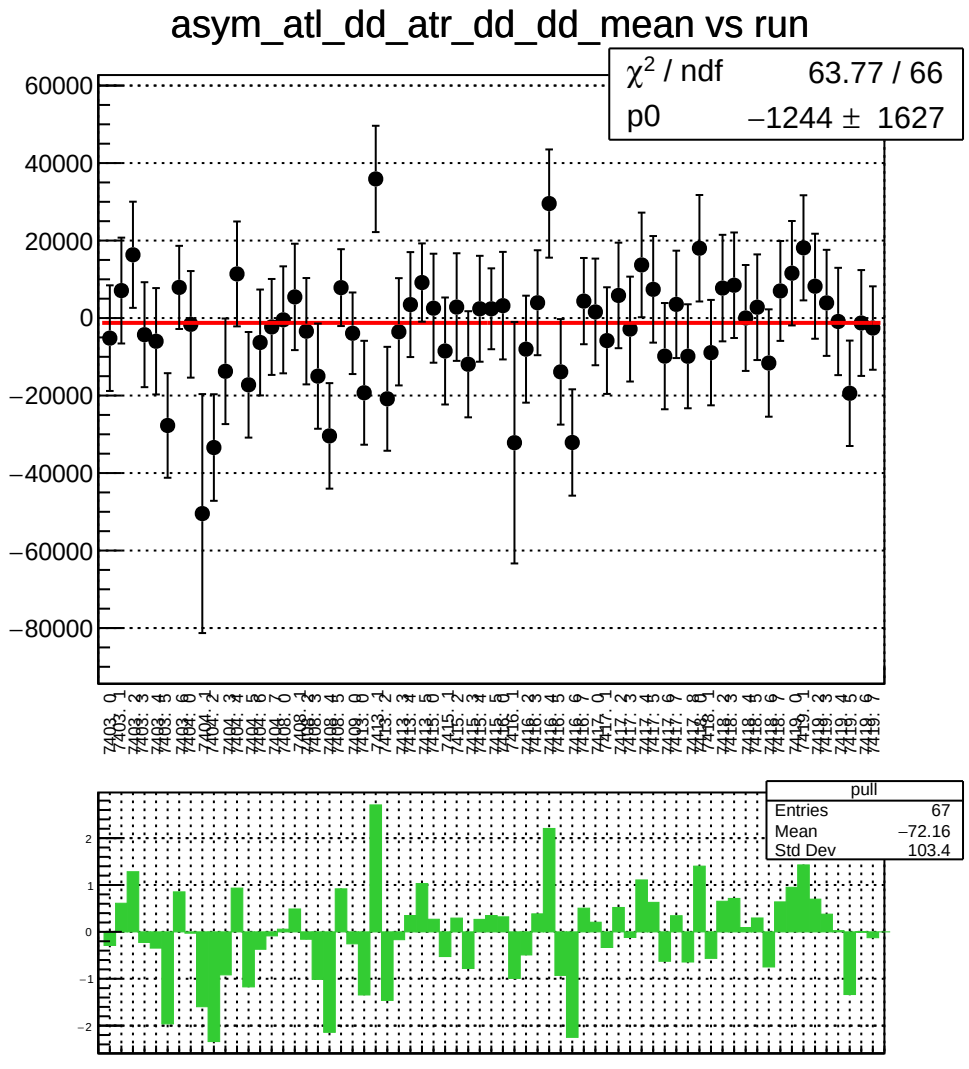

pull1D
Entries 67
Mean −0.02842
Std Dev 0.977
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

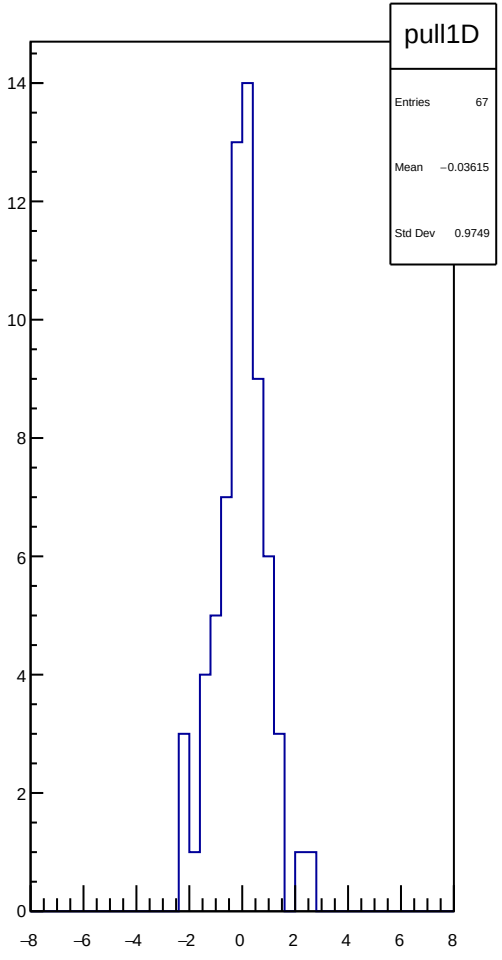

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.25e+04 / 66
p0 1200 ± 1.057
3000
2500
2000
1500
1000

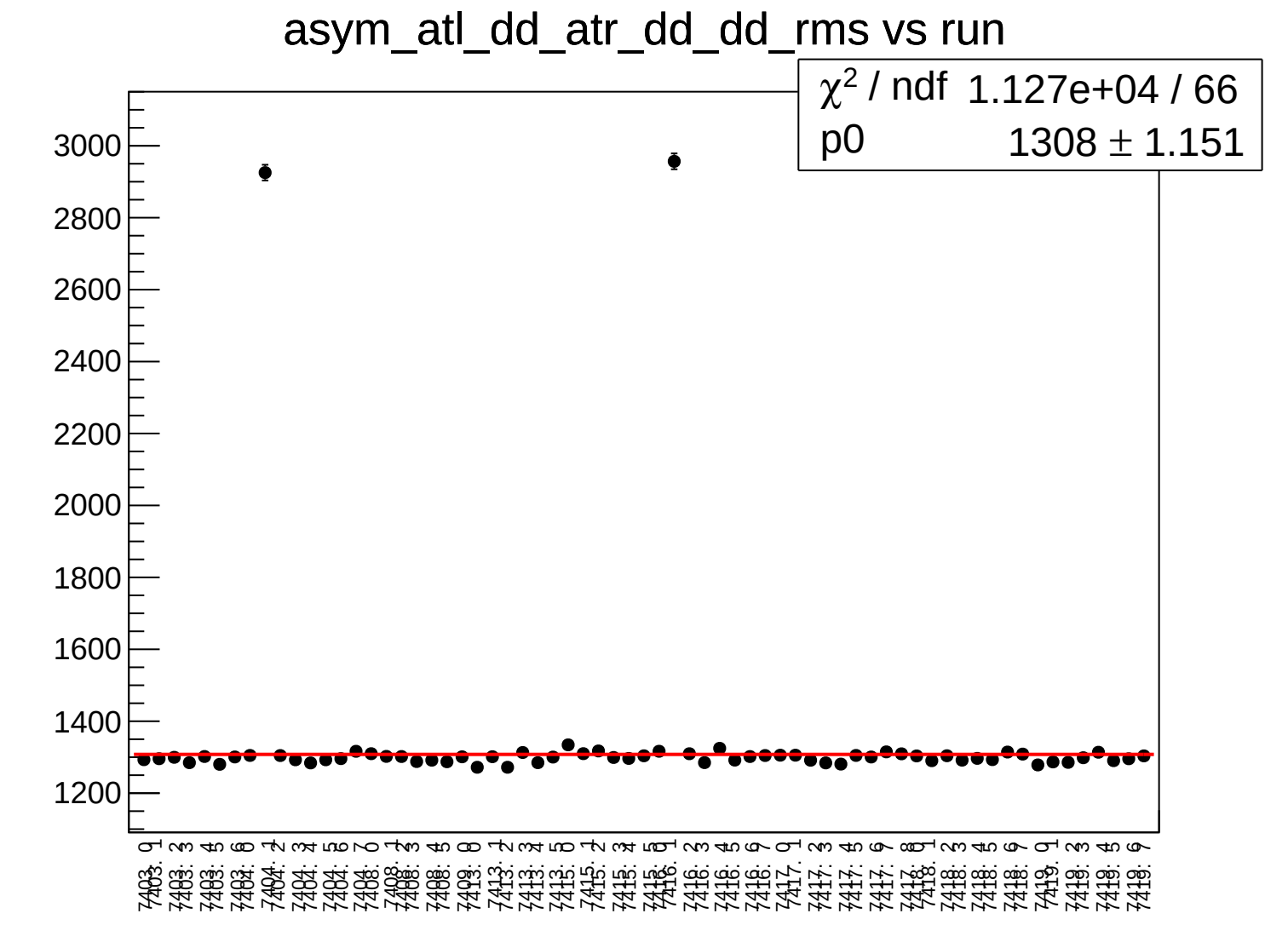

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 67.97 / 66
p0 522.2 ± 637.4
pull
Entries 67
Mean 115.4
Std Dev 85.02

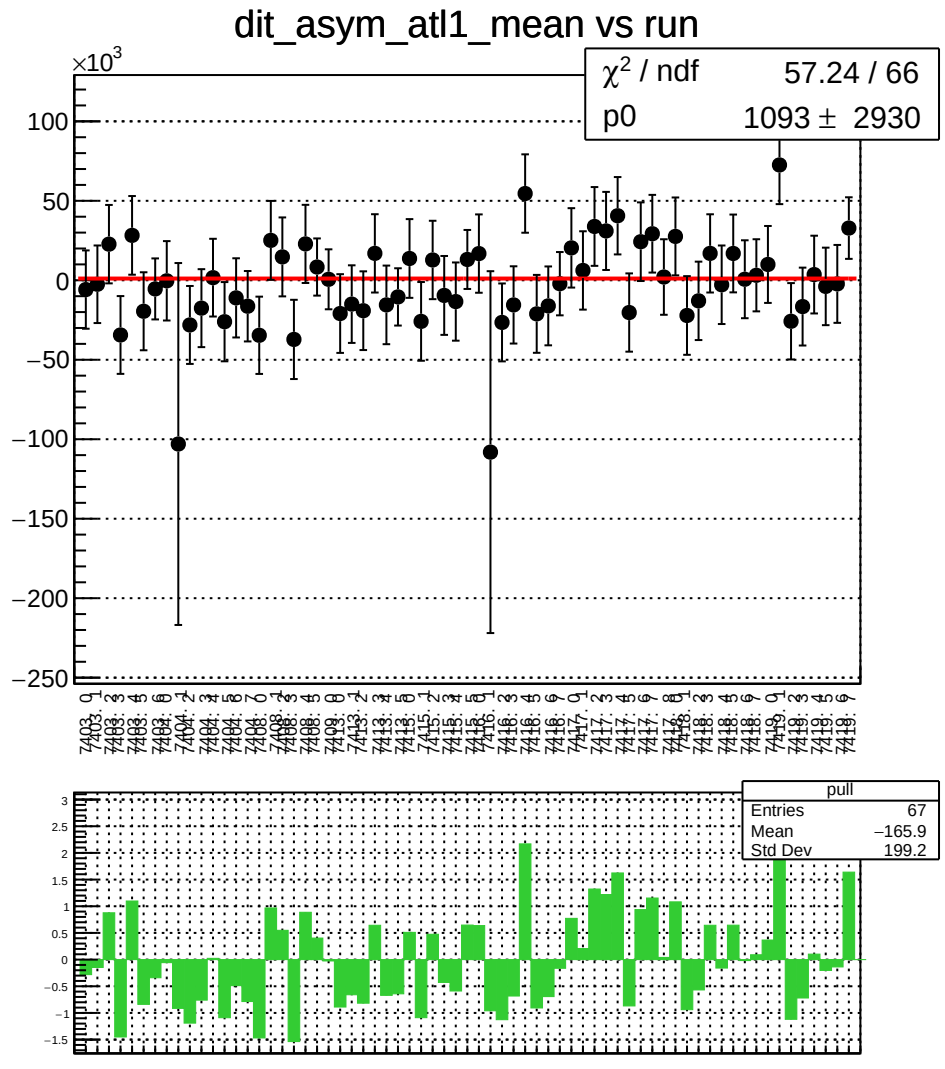

pull1D
Entries 67
Mean 0.0283
Std Dev 1.007

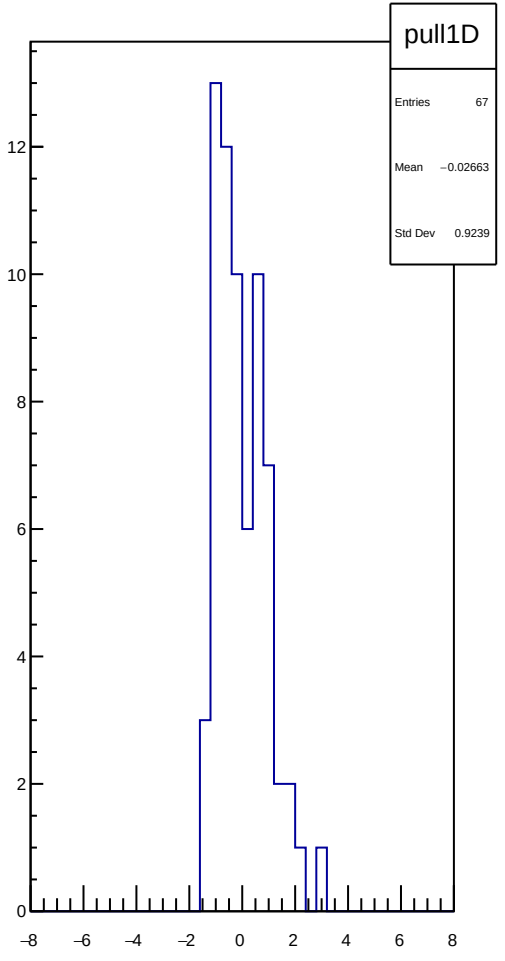

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1955 / 66
p0 514.2 ± 0.4507
580
560
540
520
500
480
460

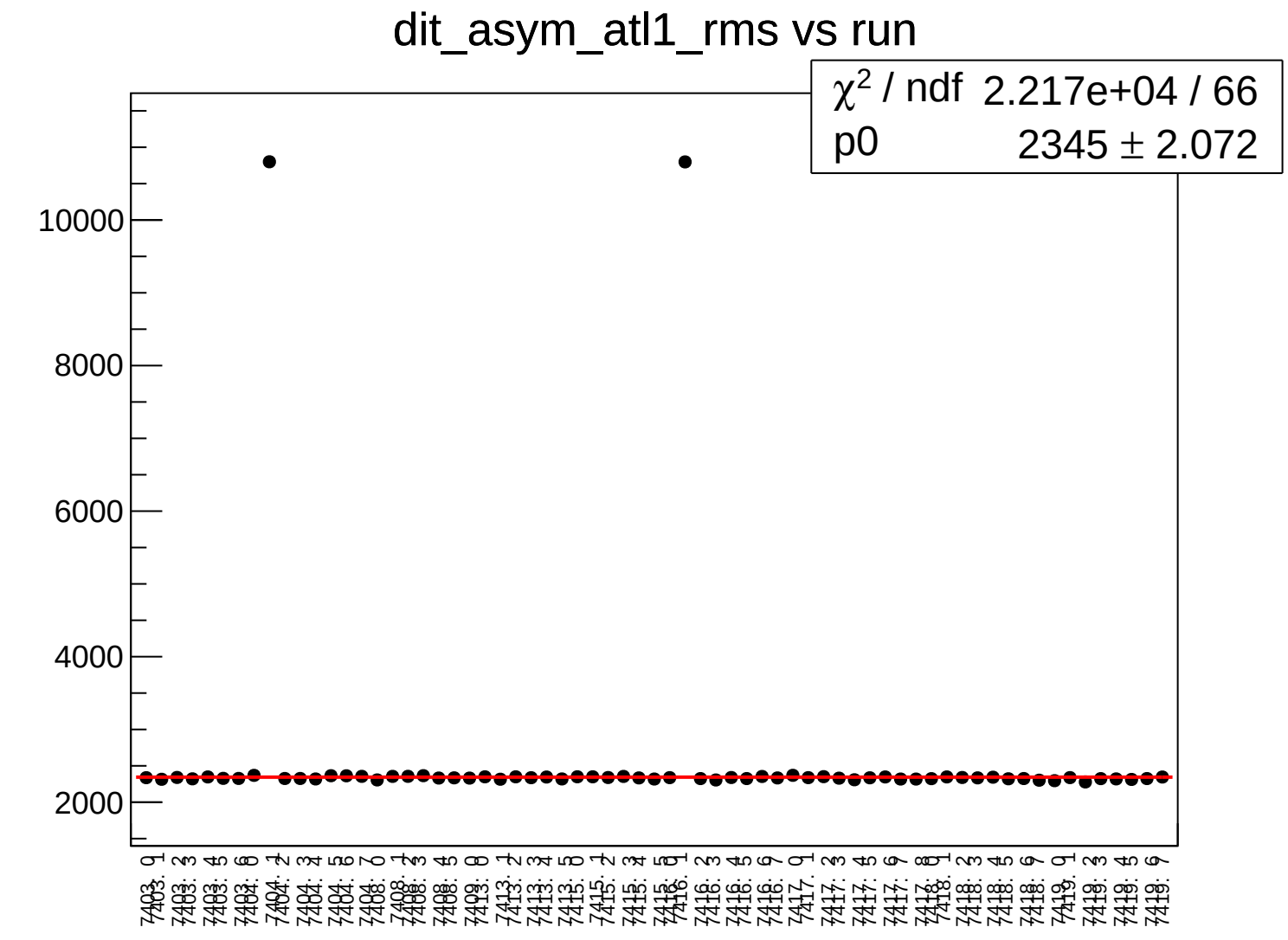

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.77 / 66
p0 −1244 ± 1627
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 67
Mean −72.16
Std Dev 103.4
2
1
0
−1
−2

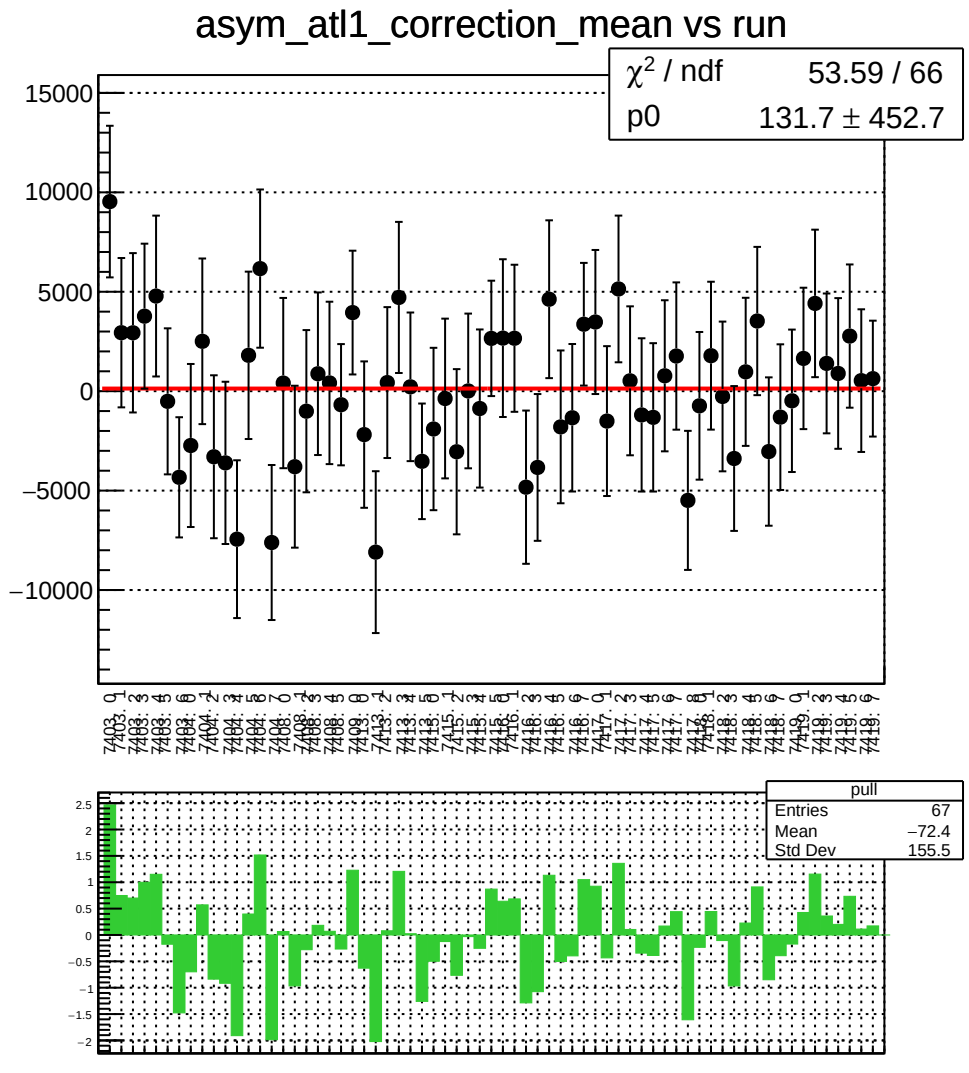

pull1D
Entries 67
Mean −0.03615
Std Dev 0.9749
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

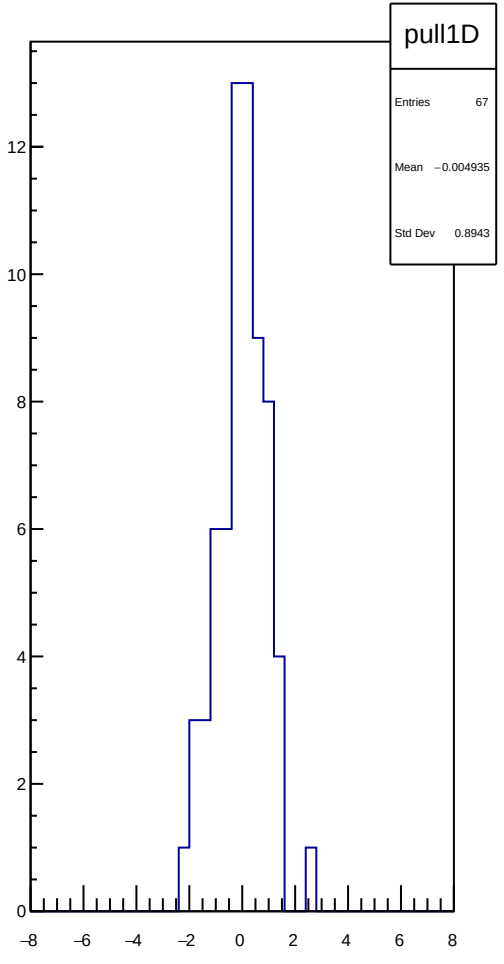

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.127e+04 / 66
p0 1308 ± 1.151
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

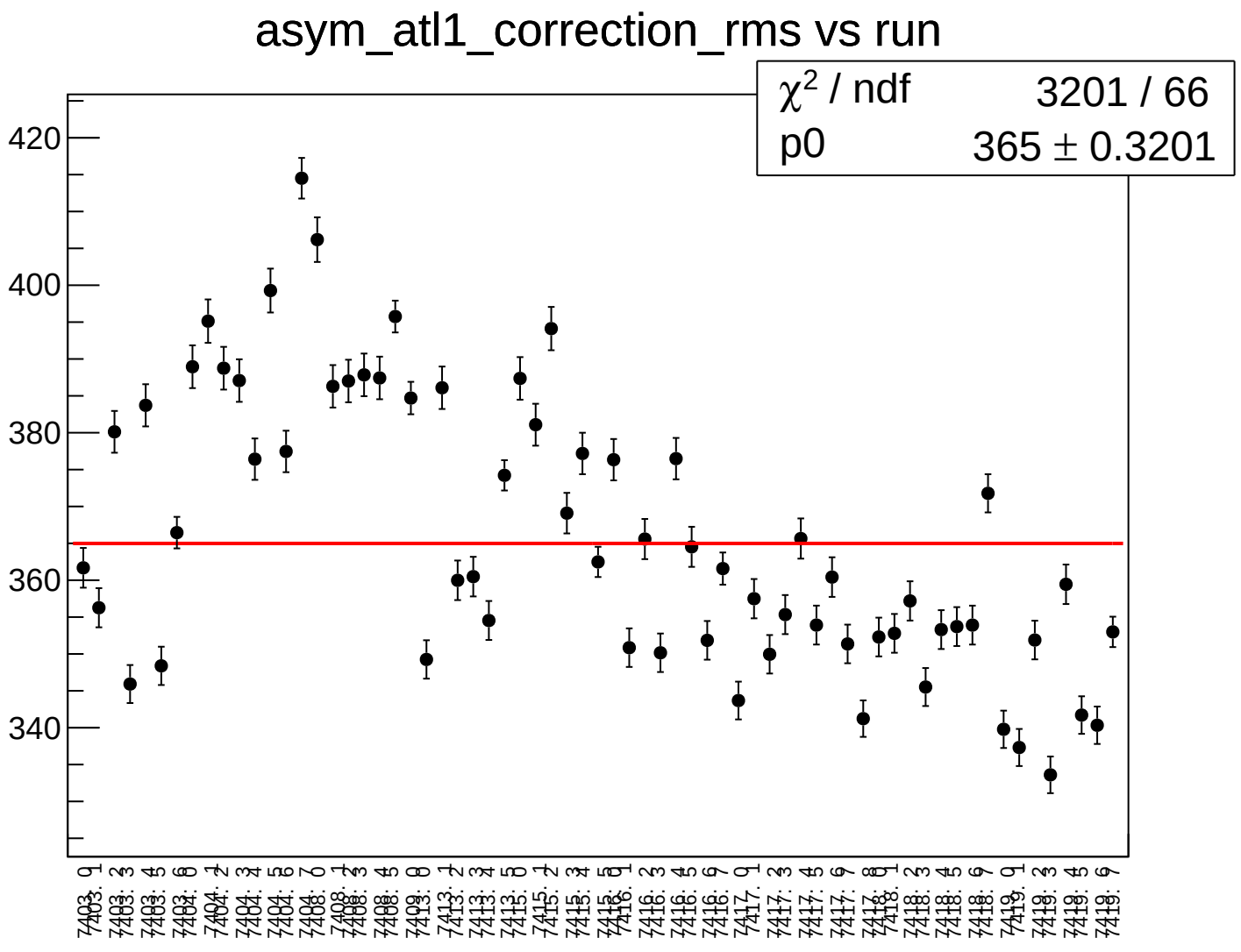

dit_asym_atl1_mean vs run
$\chi^2$ / ndf 57.24 / 66
p0 1093 ± 2930
×10^3
pull
Entries 67
Mean −165.9
Std Dev 199.2

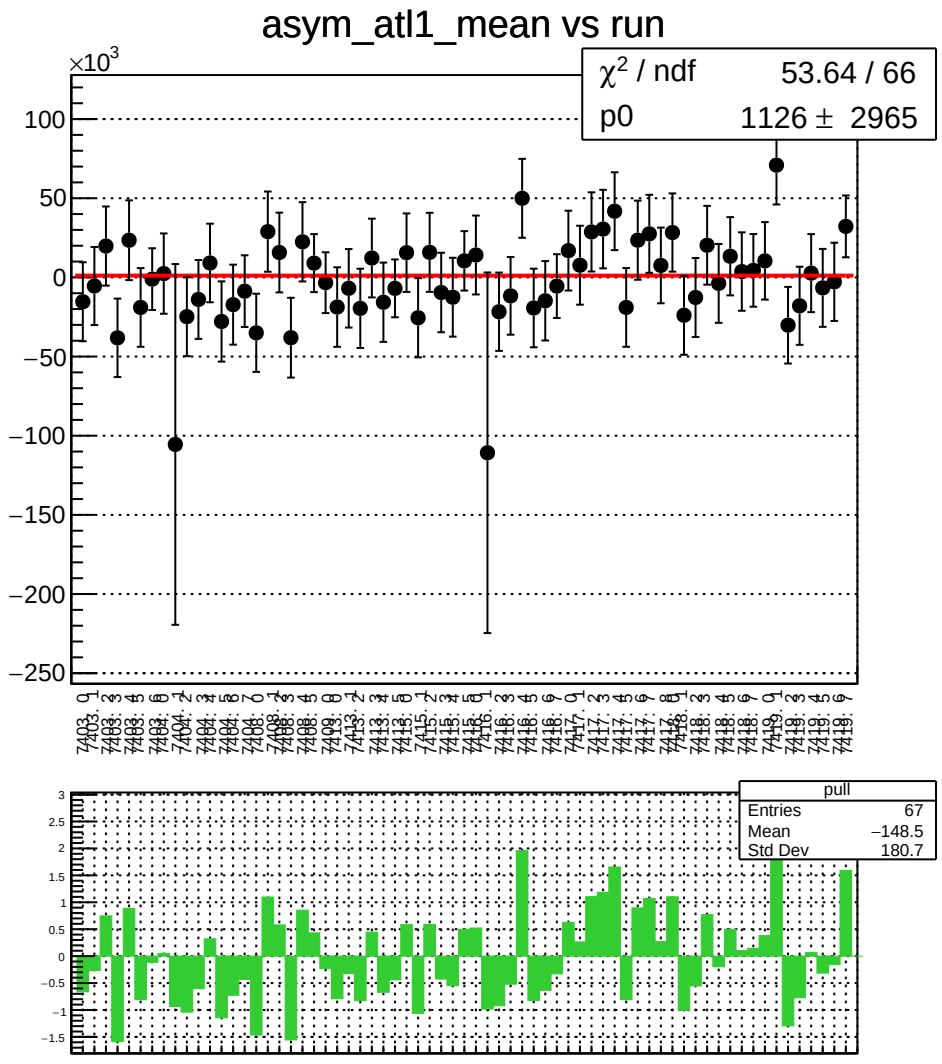

pull1D
Entries 67
Mean −0.02663
Std Dev 0.9239

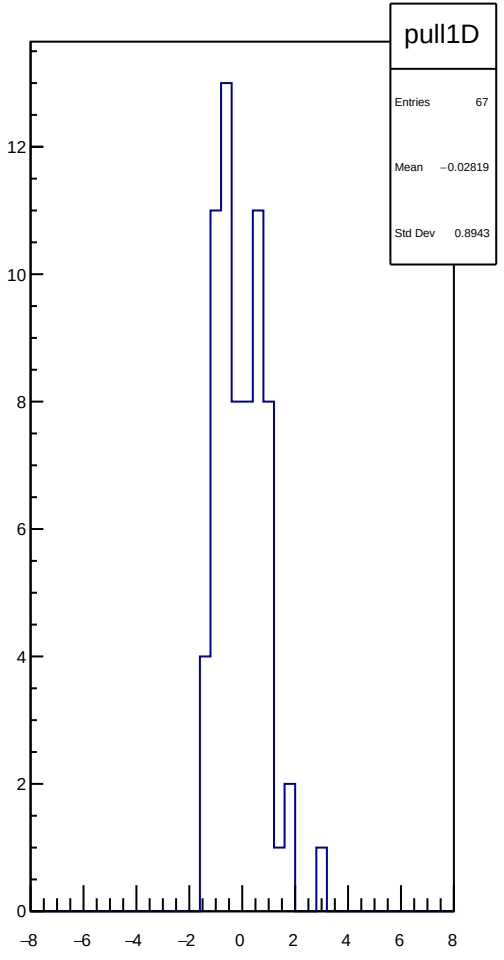

dit_asym_atl1_rms vs run
$\chi^2$ / ndf 2.217e+04 / 66
p0 2345 ± 2.072
10000
8000
6000
4000
2000

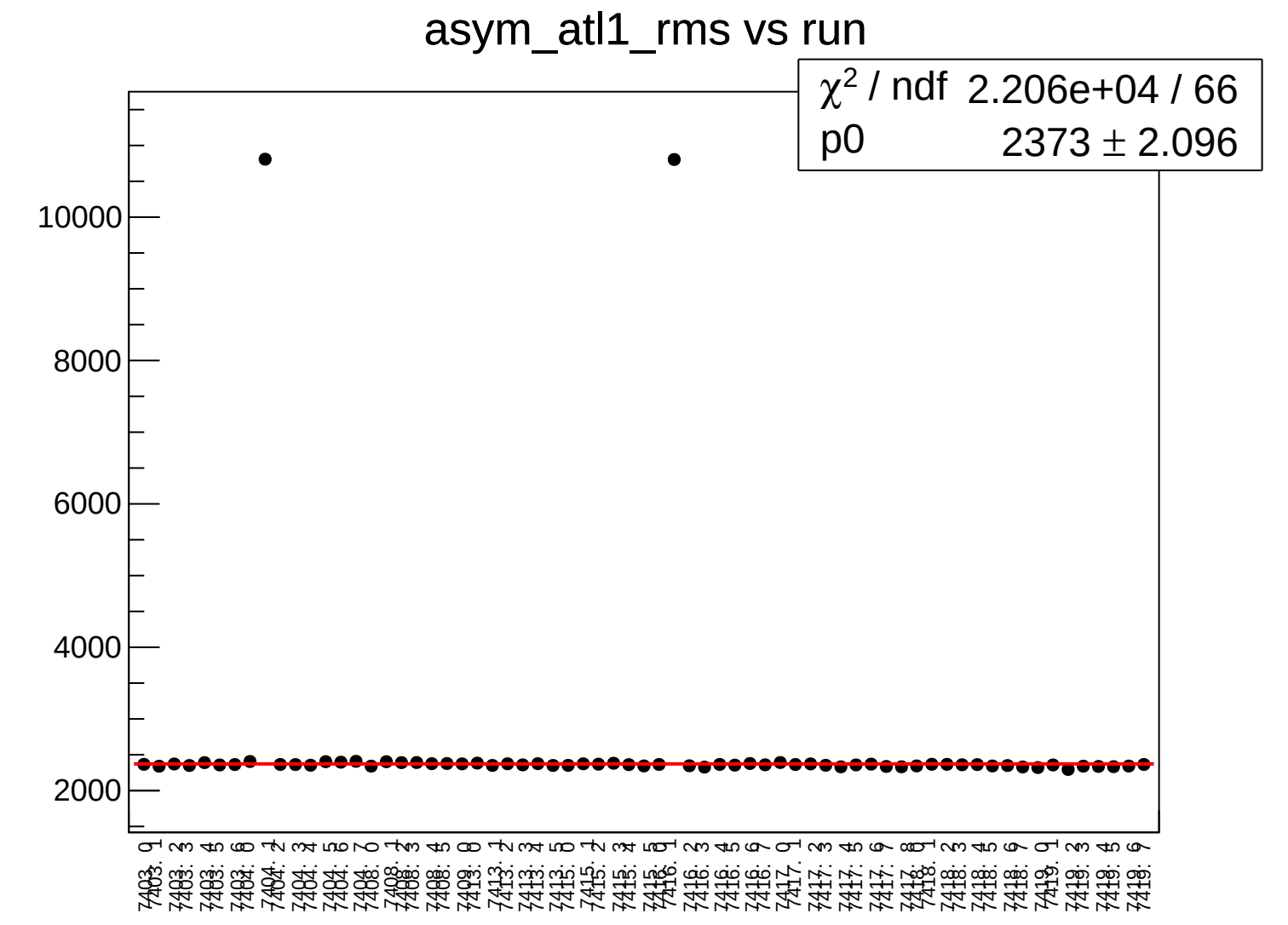

asym_atl1_correction_mean vs run
χ² / ndf 53.59 / 66
p0 131.7 ± 452.7
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean −72.4
Std Dev 155.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

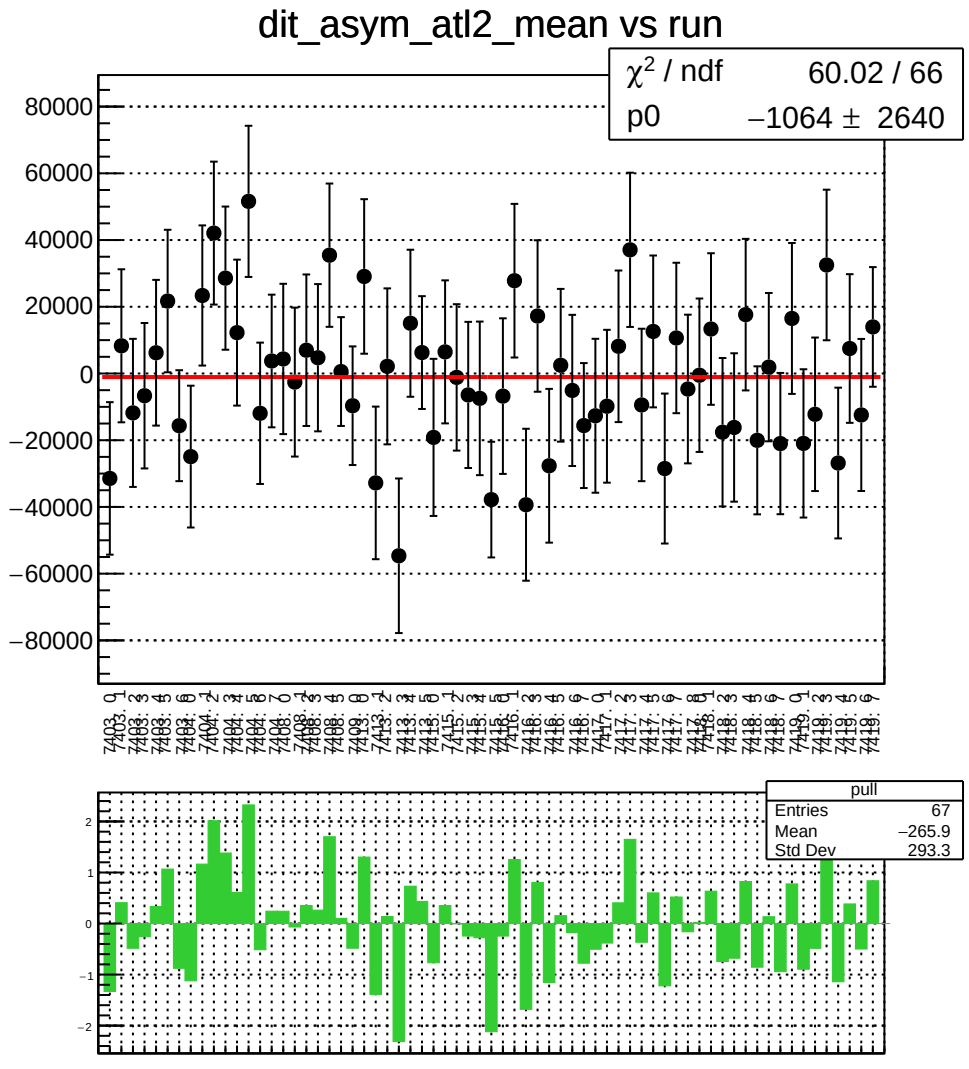

pull1D
Entries 67
Mean −0.004935
Std Dev 0.8943
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

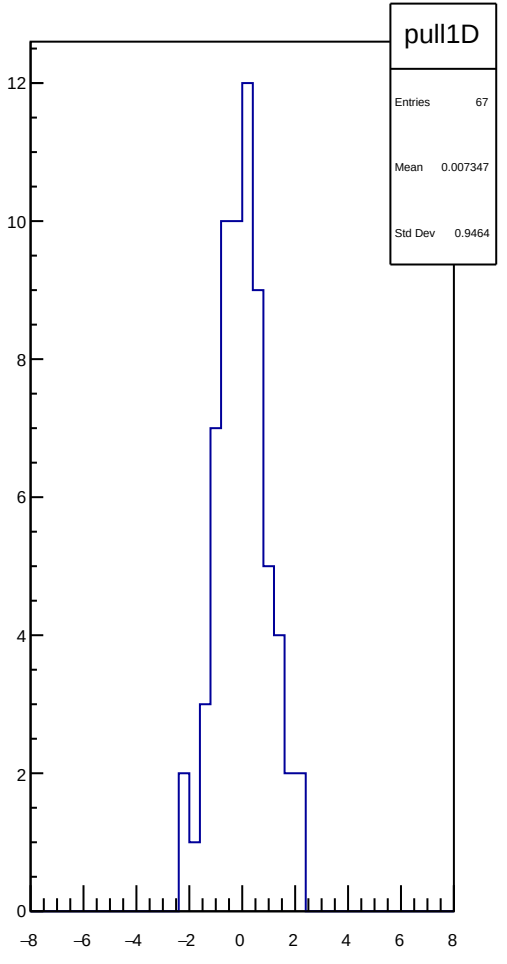

asym_atl1_correction_rms vs run
χ² / ndf 3201 / 66
p0 365 ± 0.3201
420
400
380
360
340

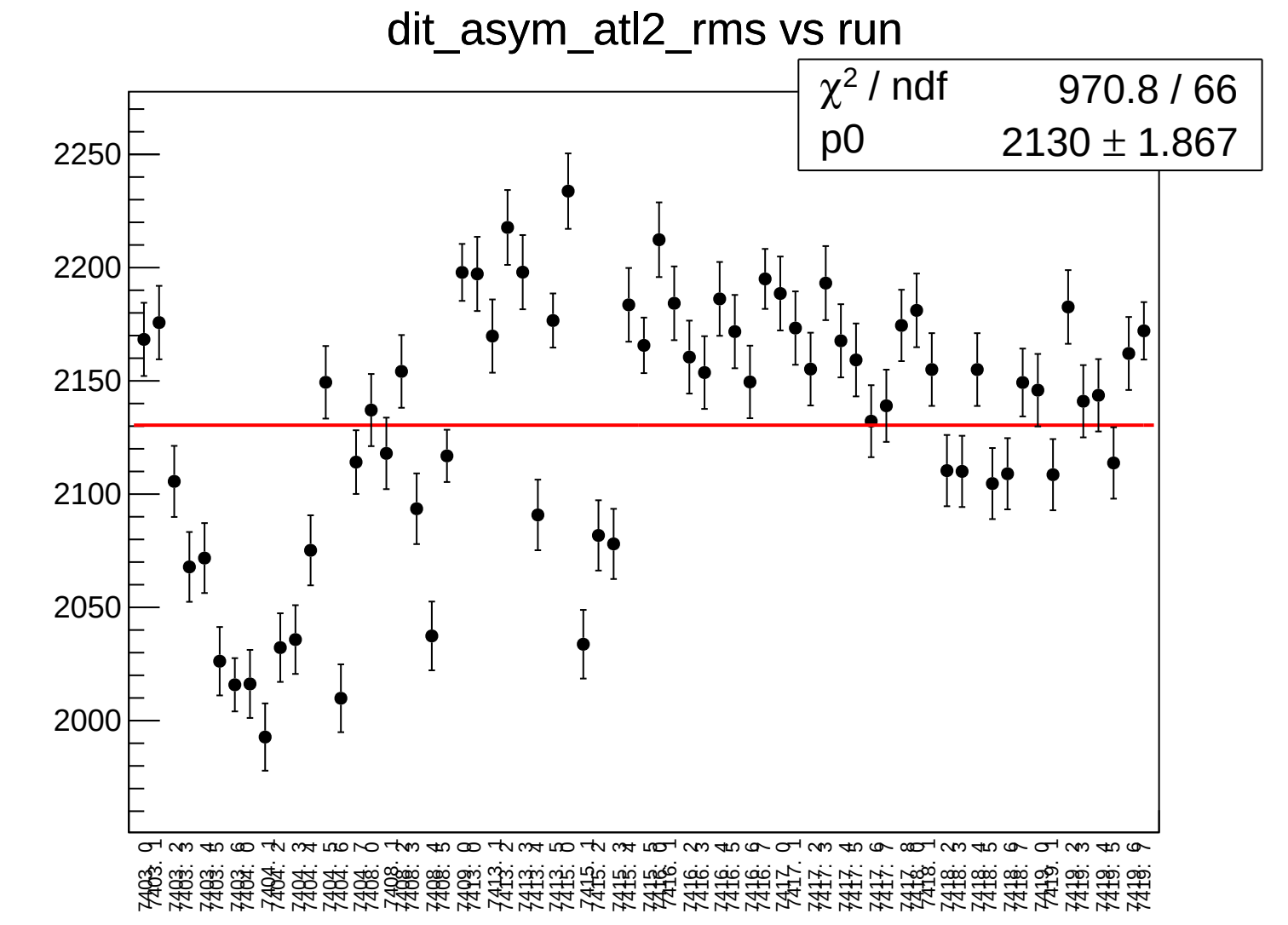

asym_atl1_mean vs run
×10^3
χ^2 / ndf 53.64 / 66
p0 1126 ± 2965
pull
Entries 67
Mean −148.5
Std Dev 180.7

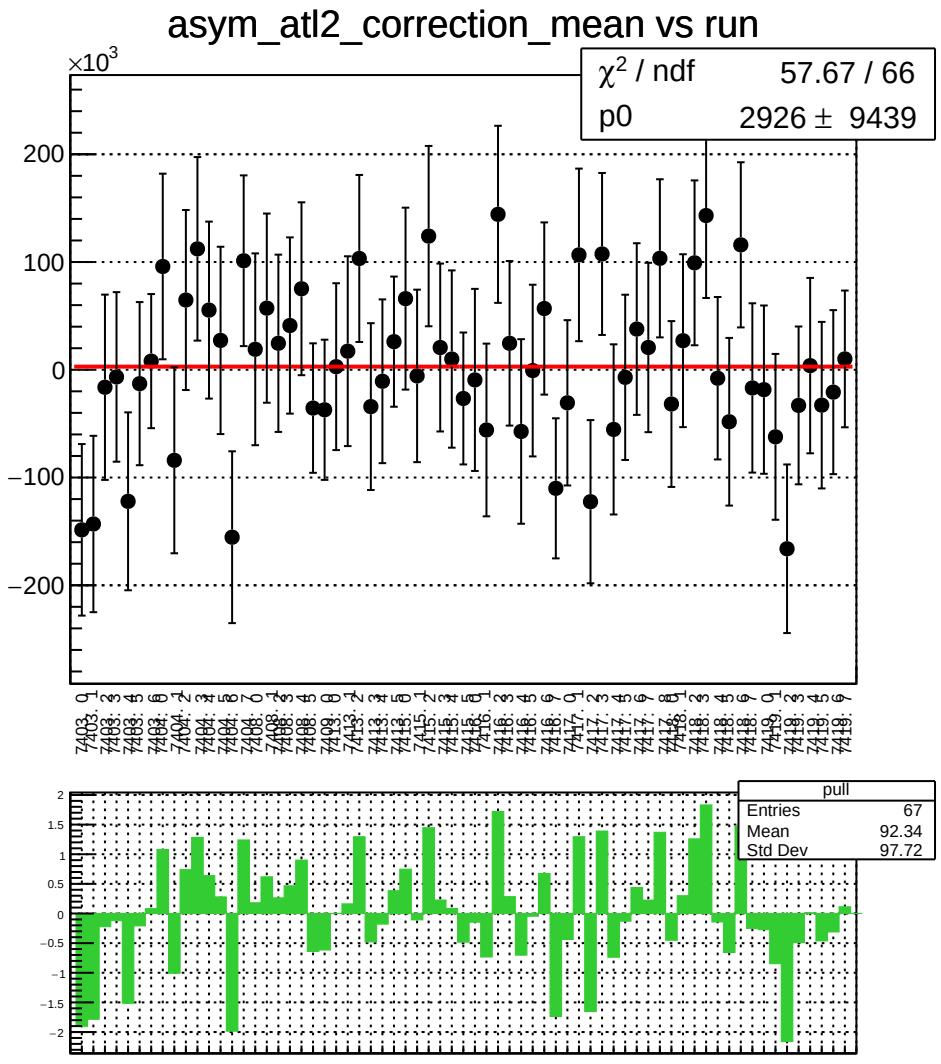

pull1D
Entries 67
Mean −0.02819
Std Dev 0.8943

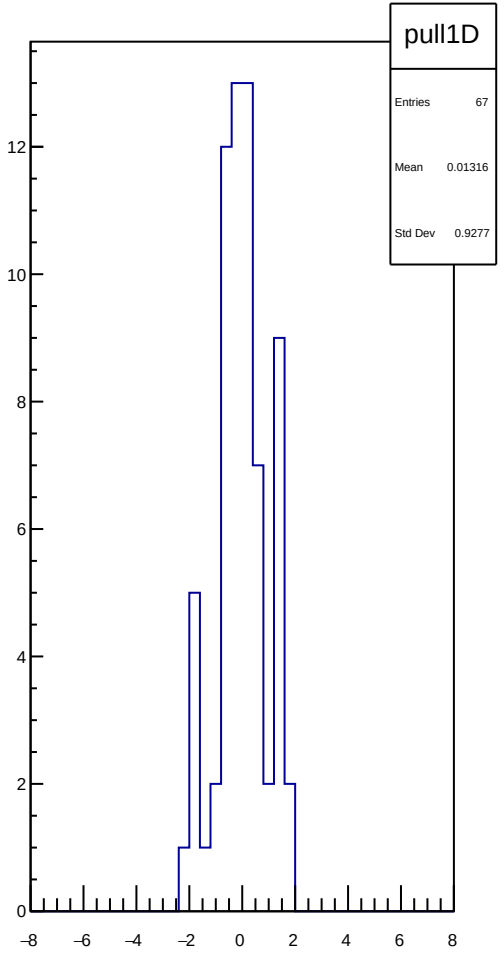

asym_atl1_rms vs run
χ² / ndf 2.206e+04 / 66
p0 2373 ± 2.096
10000
8000
6000
4000
2000

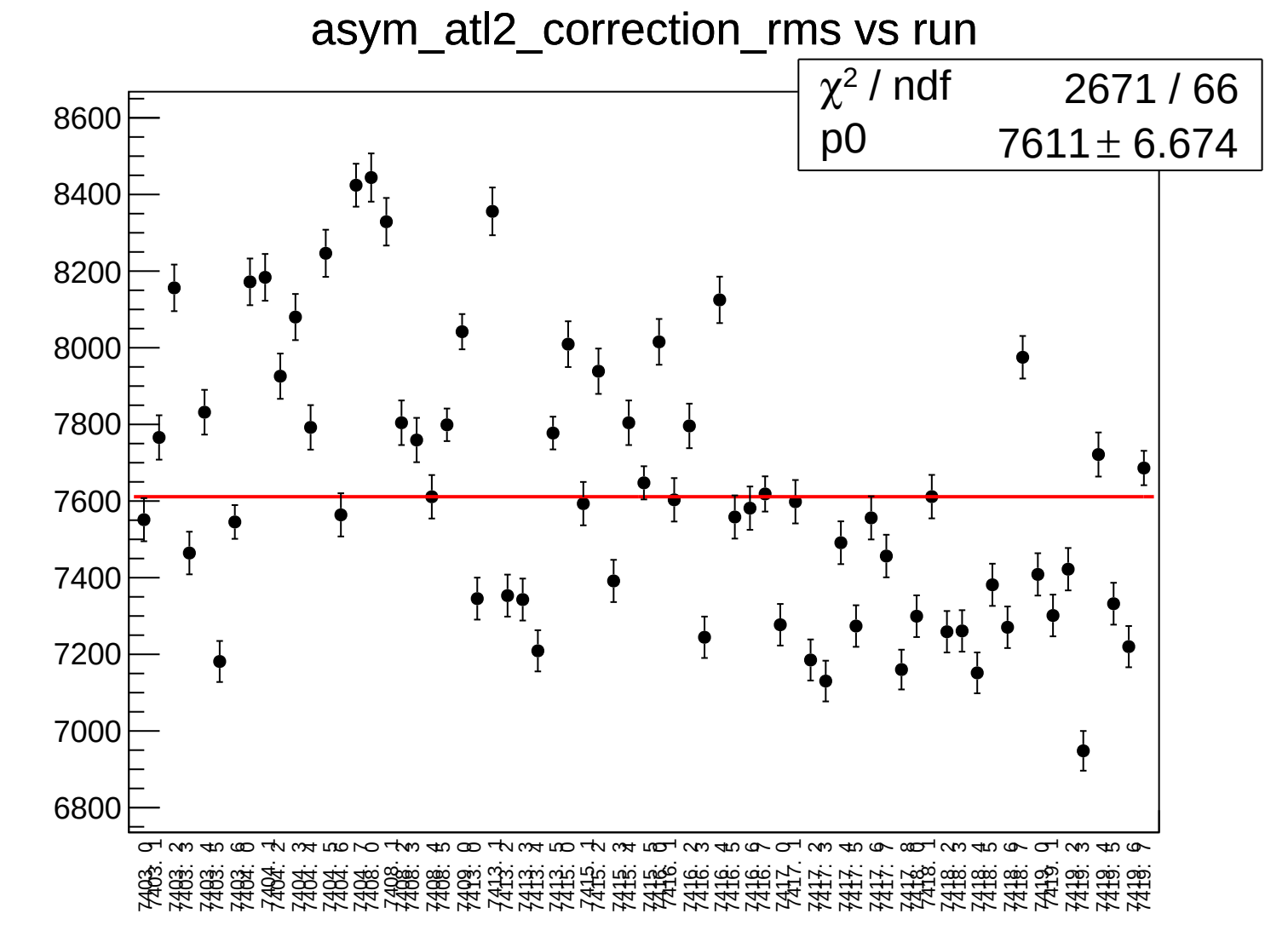

dit_asym_atl2_mean vs run
χ² / ndf 60.02 / 66
p0 −1064 ± 2640
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 67
Mean −265.9
Std Dev 293.3
2
1
0
−1
−2

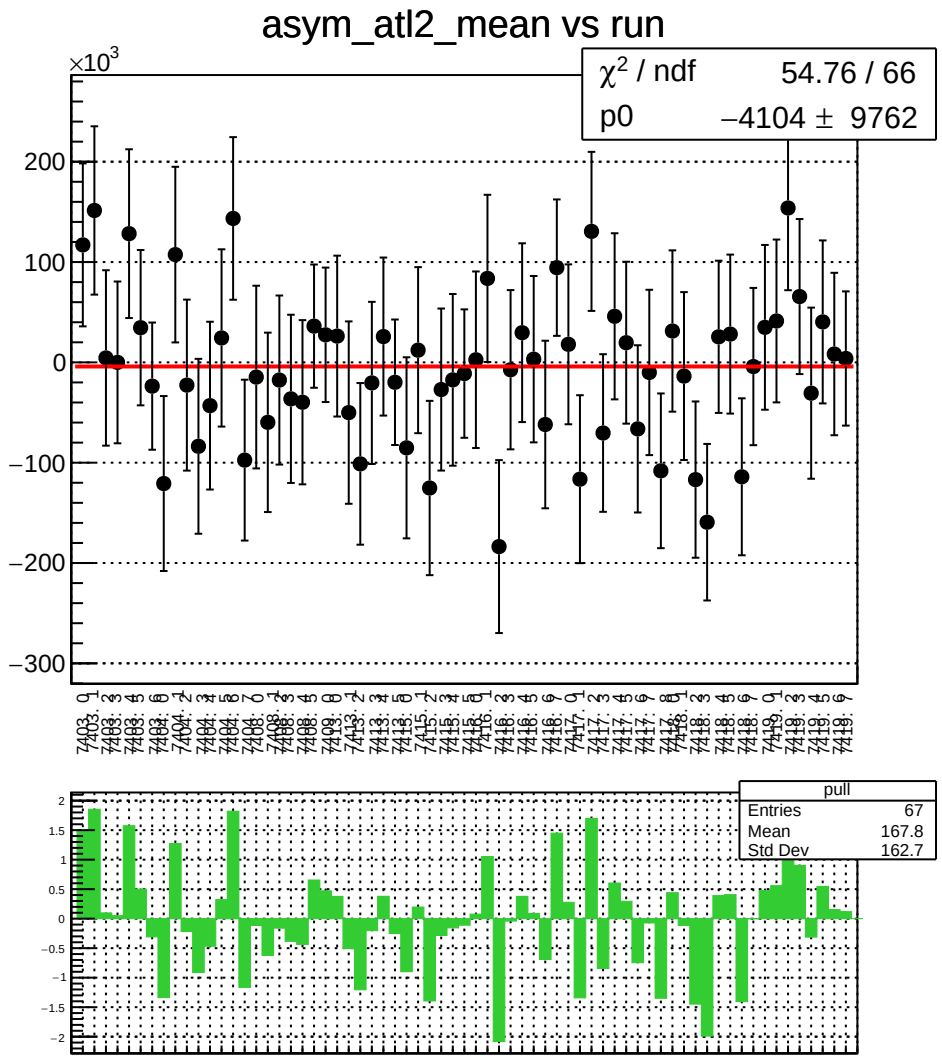

pull1D
Entries 67
Mean 0.007347
Std Dev 0.9464
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

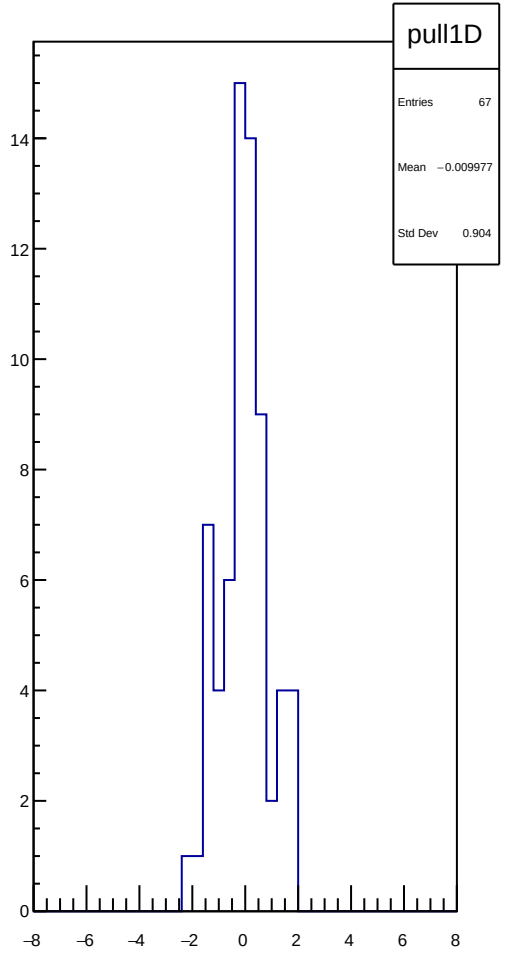

dit_asym_atl2_rms vs run
χ² / ndf 970.8 / 66
p0 2130 ± 1.867
2250
2200
2150
2100
2050
2000

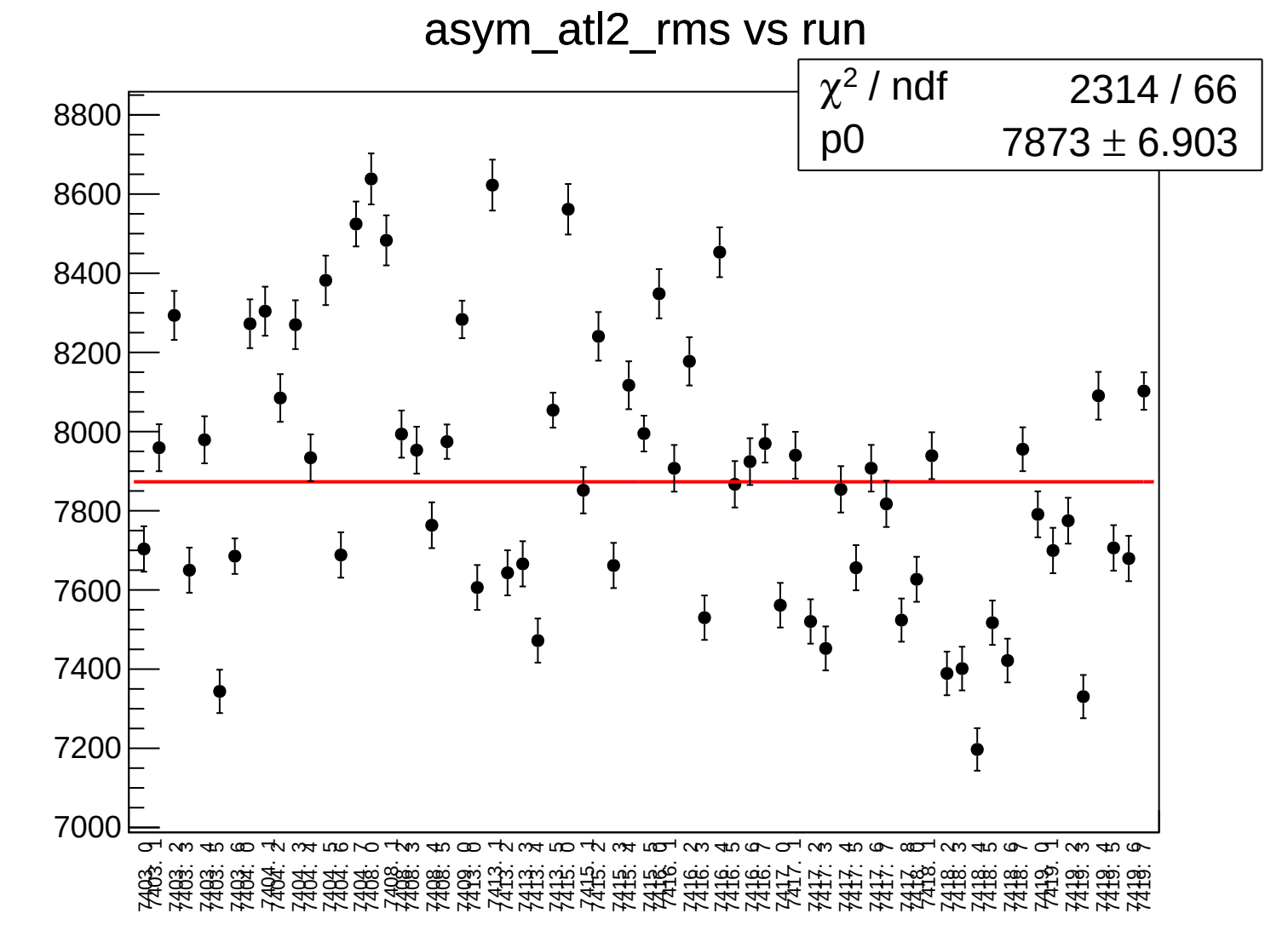

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 57.67 / 66
p0 2926 ± 9439
200
100
0
−100
−200
pull
Entries 67
Mean 92.34
Std Dev 97.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

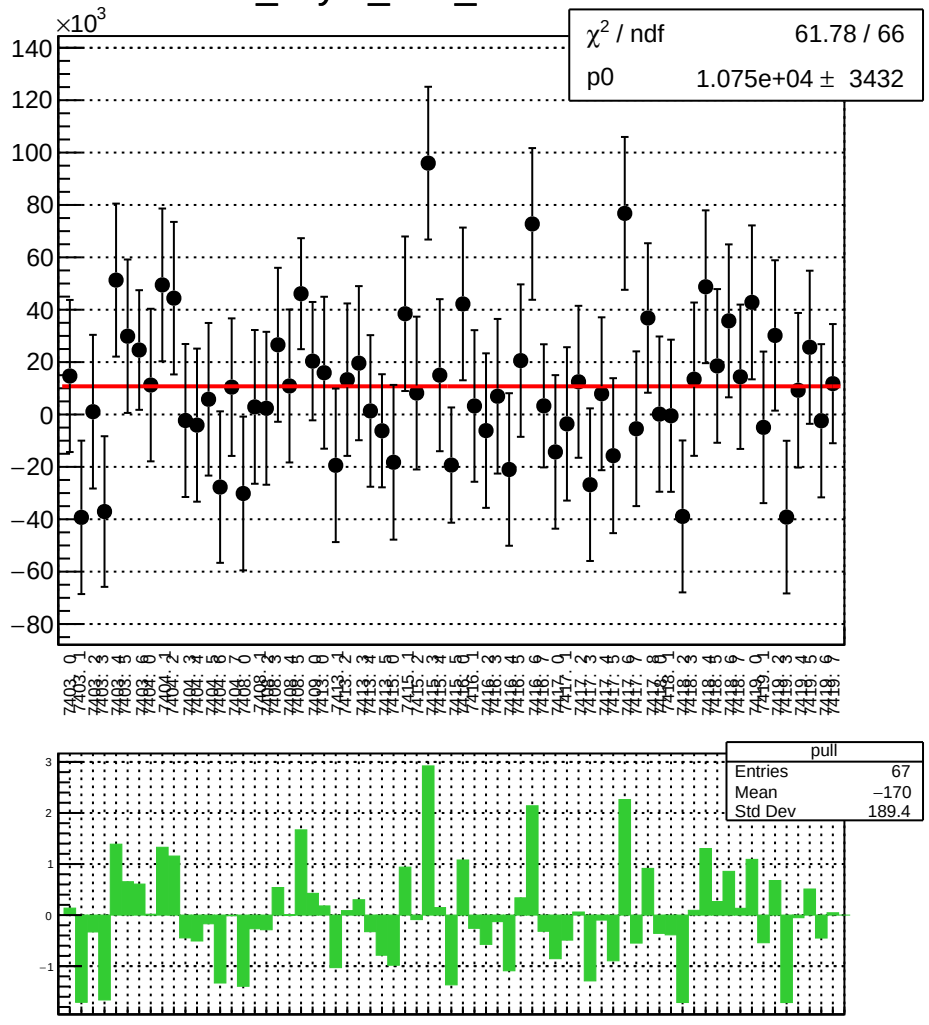

pull1D
Entries 67
Mean 0.01316
Std Dev 0.9277
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

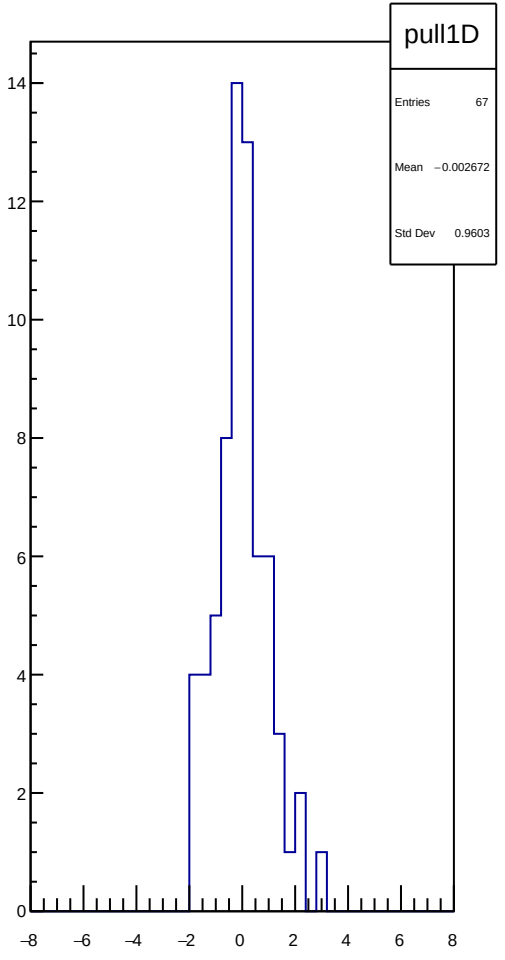

asym_atl2_correction_rms vs run
χ² / ndf 2671 / 66
p0 7611 ± 6.674
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800

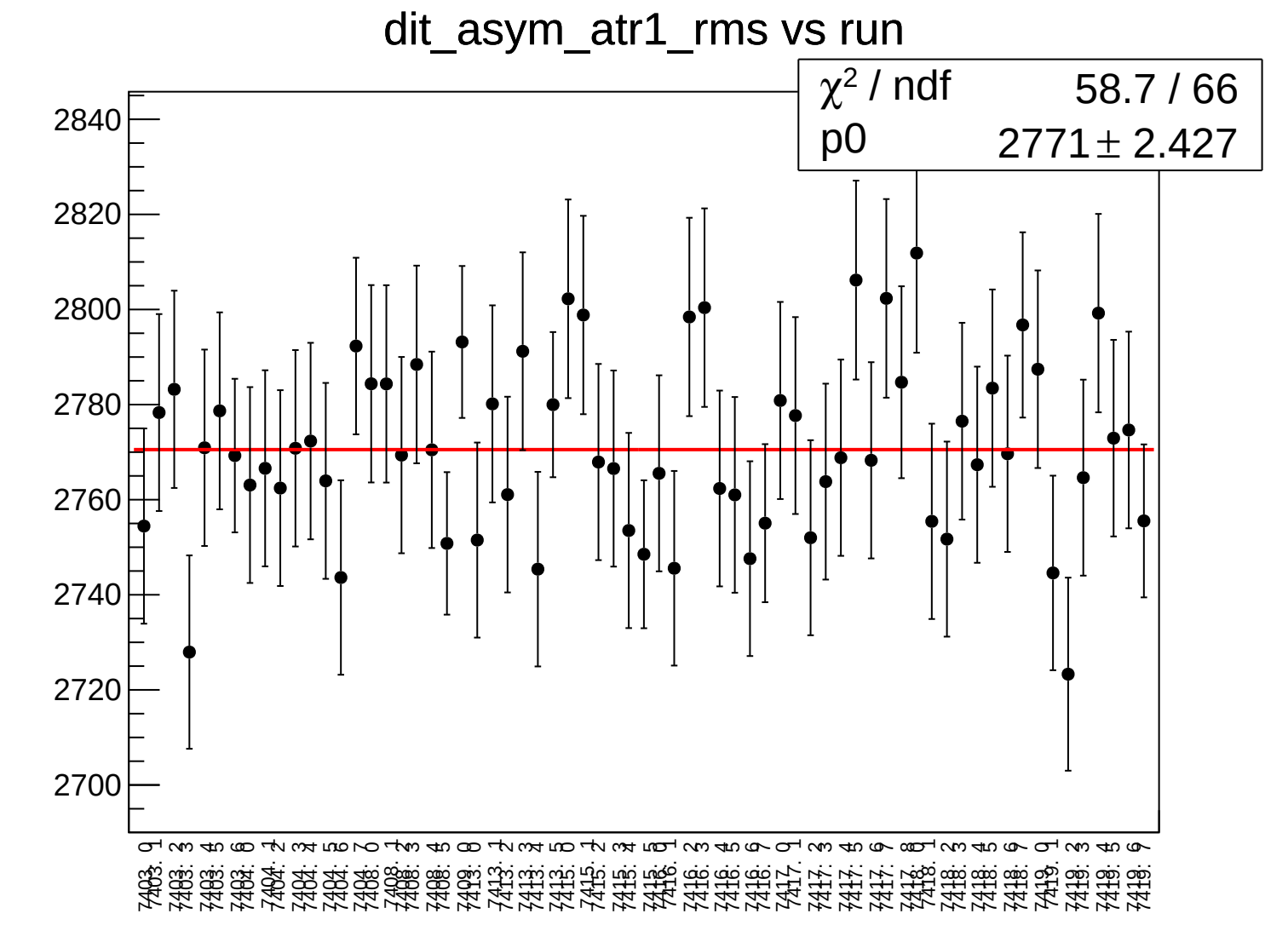

asym_atl2_mean vs run
×10^3
χ² / ndf 54.76 / 66
p0 −4104 ± 9762
200
100
0
−100
−200
−300
pull
Entries 67
Mean 167.8
Std Dev 162.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

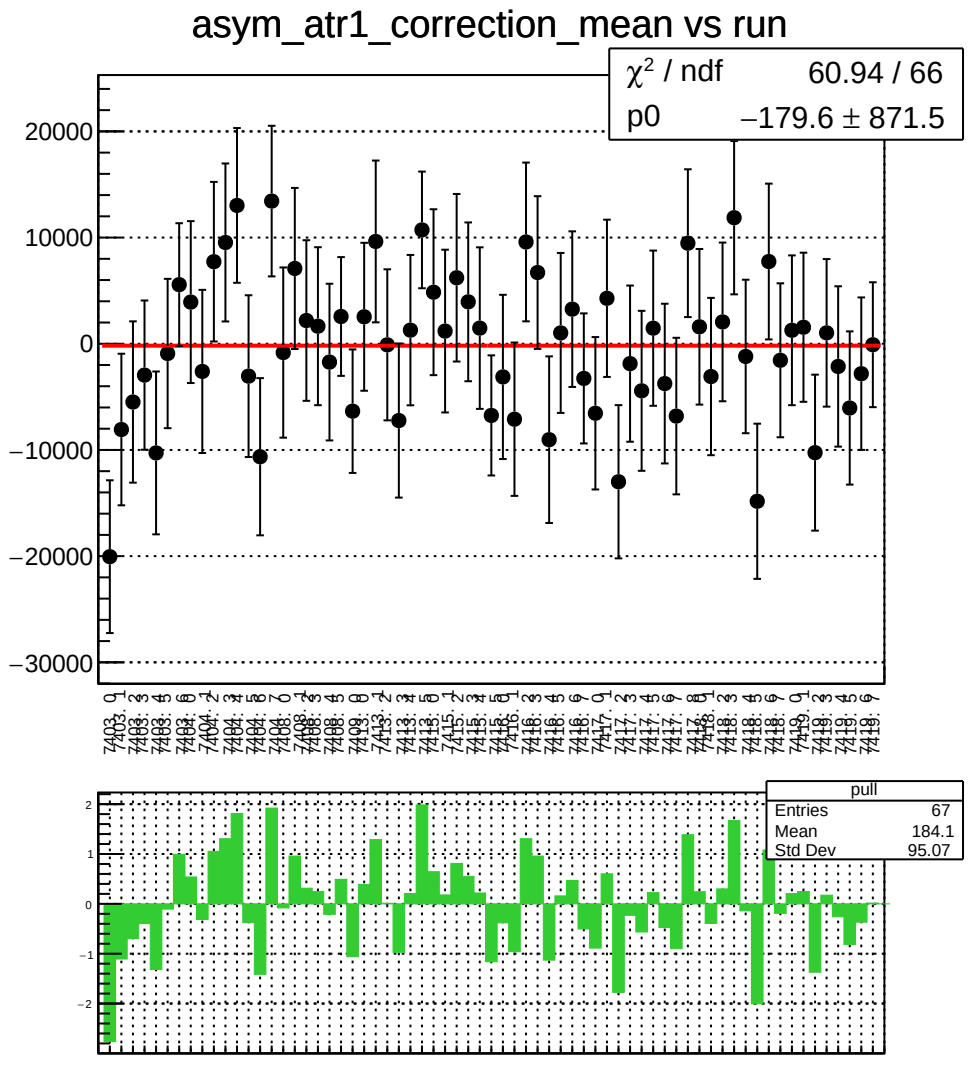

pull1D
Entries 67
Mean −0.009977
Std Dev 0.904
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

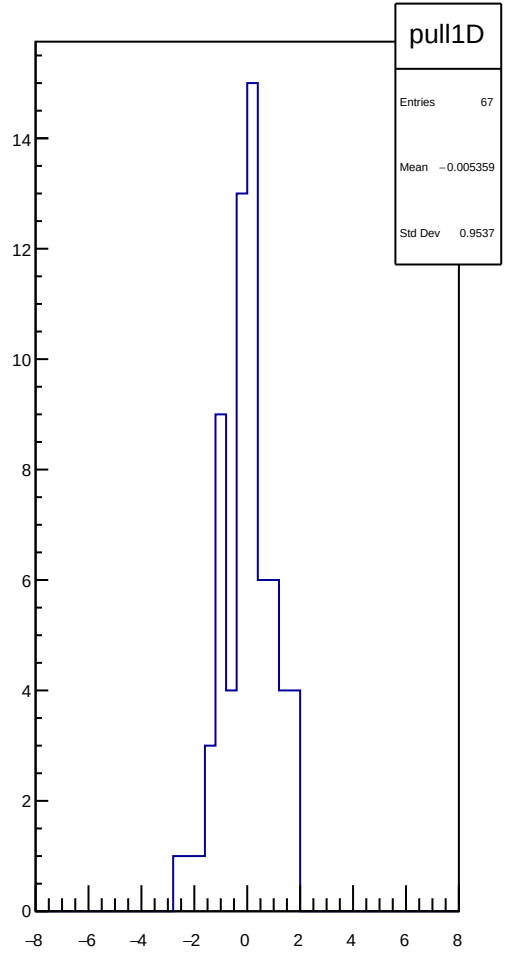

asym_atl2_rms vs run
χ² / ndf 2314 / 66
p0 7873 ± 6.903
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000

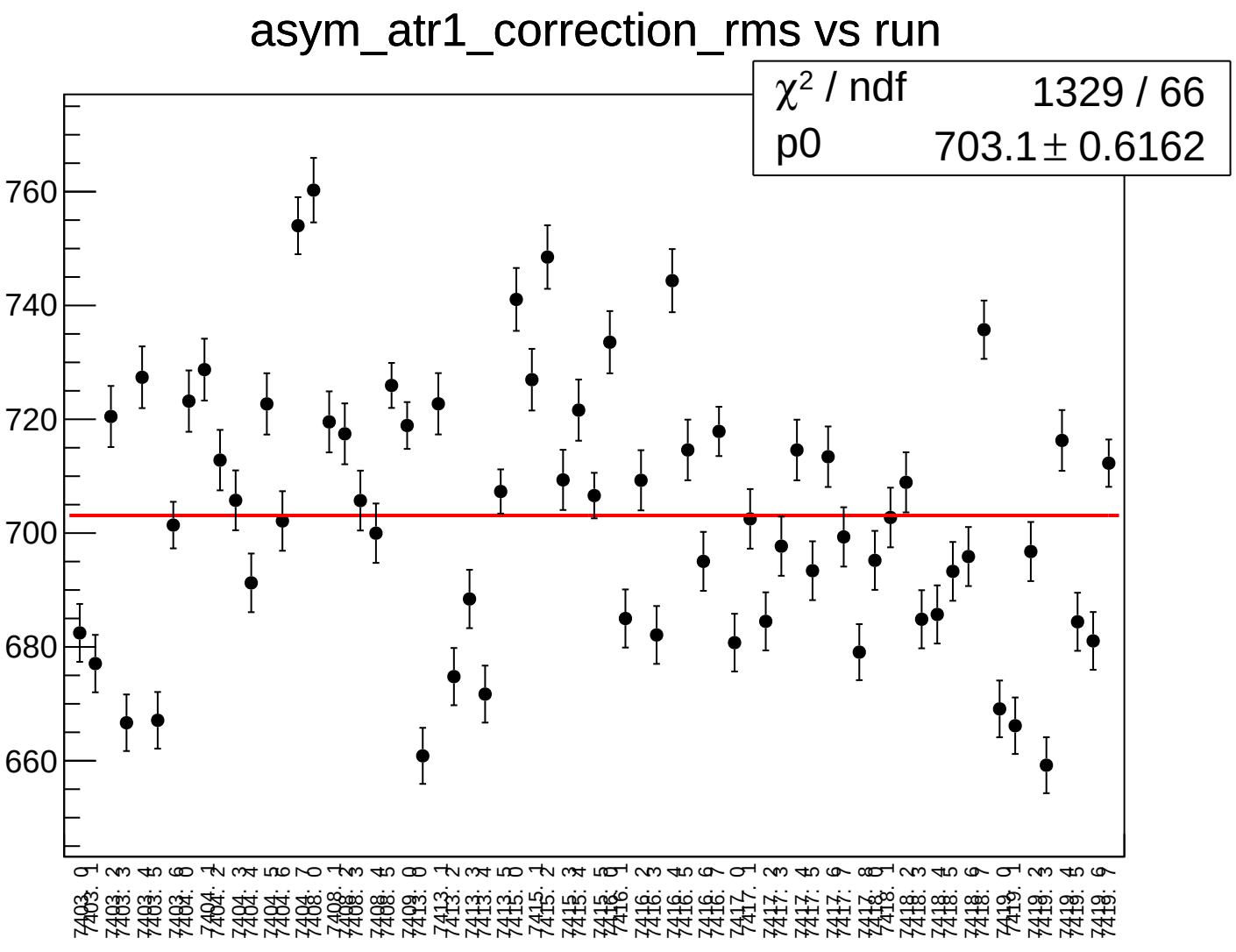

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 61.78 / 66
p0 1.075e+04 ± 3432
pull
Entries 67
Mean −170
Std Dev 189.4

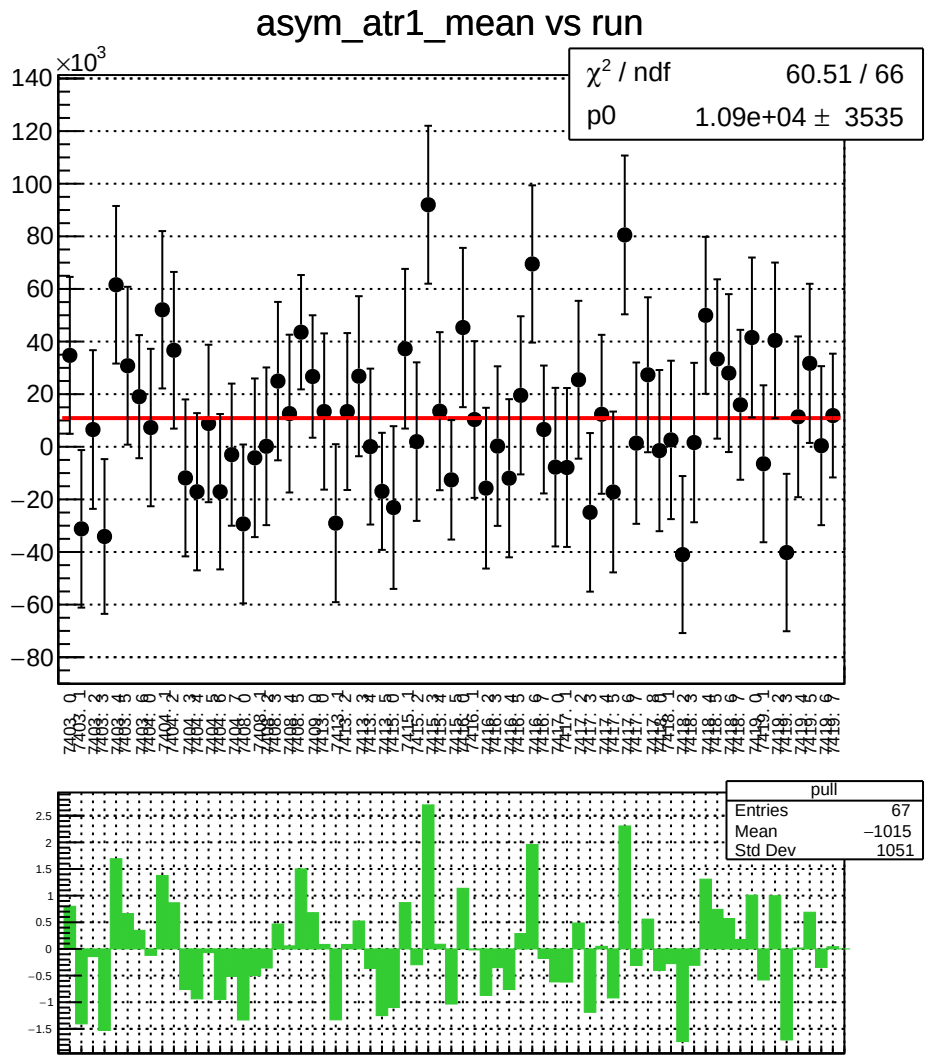

pull1D
Entries 67
Mean −0.002672
Std Dev 0.9603

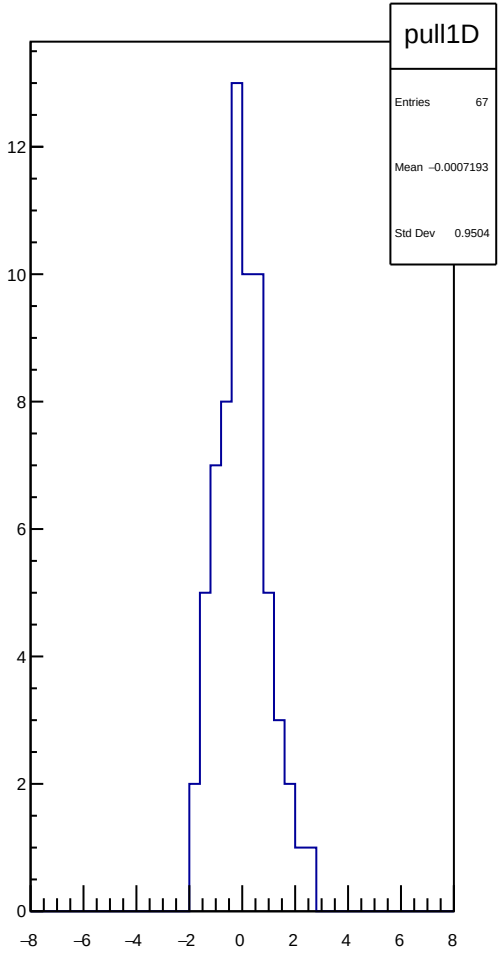

dit_asym_atr1_rms vs run
χ² / ndf 58.7 / 66
p0 2771 ± 2.427
2840
2820
2800
2780
2760
2740
2720
2700

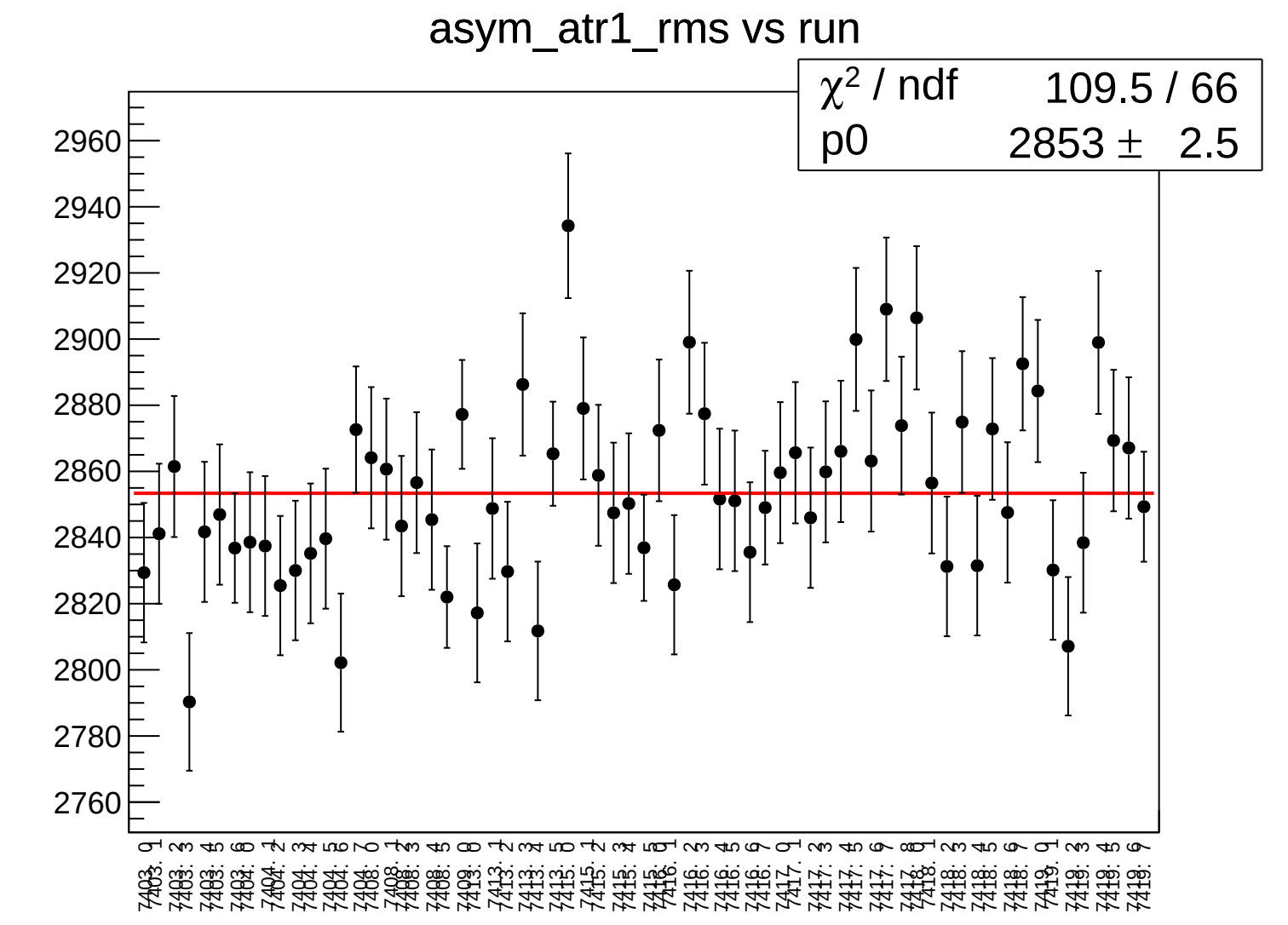

asym_atr1_correction_mean vs run
χ² / ndf 60.94 / 66
p0 −179.6 ± 871.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 184.1
Std Dev 95.07
2
1
0
−1
−2

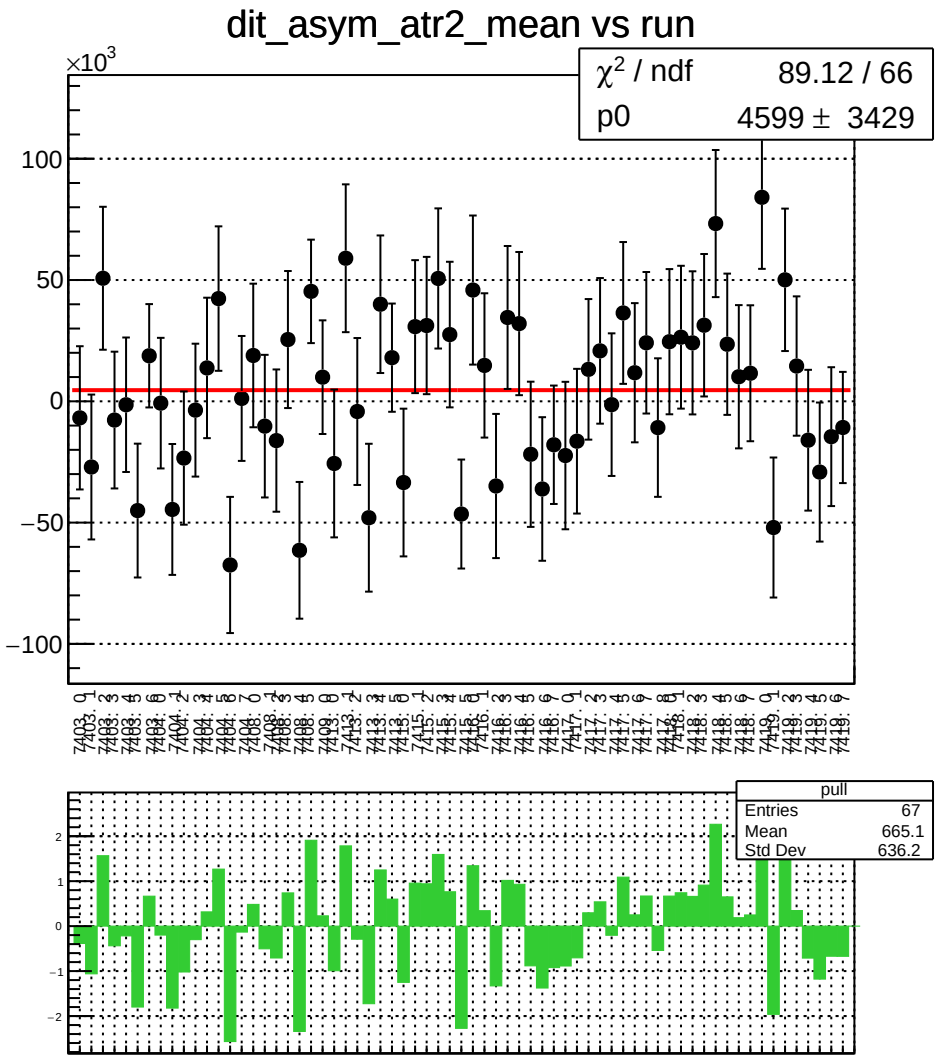

pull1D
Entries 67
Mean −0.005359
Std Dev 0.9537
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

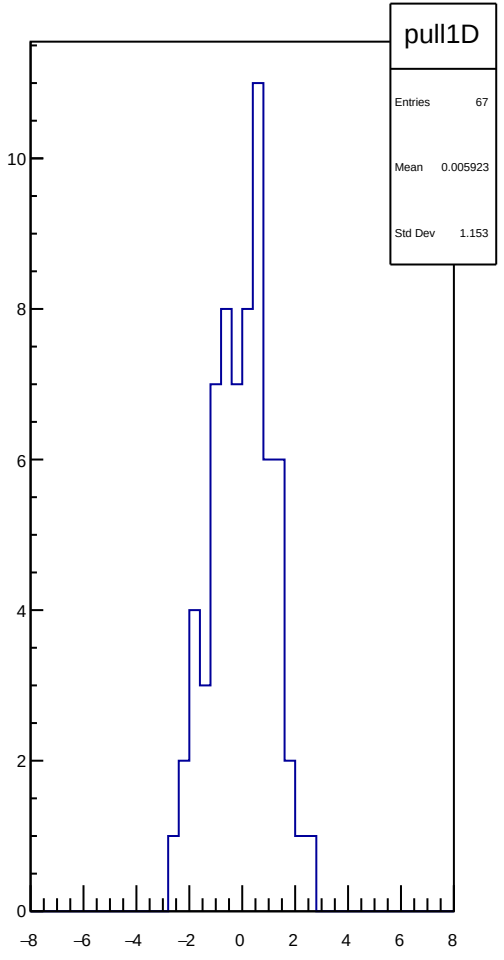

asym_atr1_correction_rms vs run
χ² / ndf 1329 / 66
p0 703.1 ± 0.6162
760
740
720
700
680
660

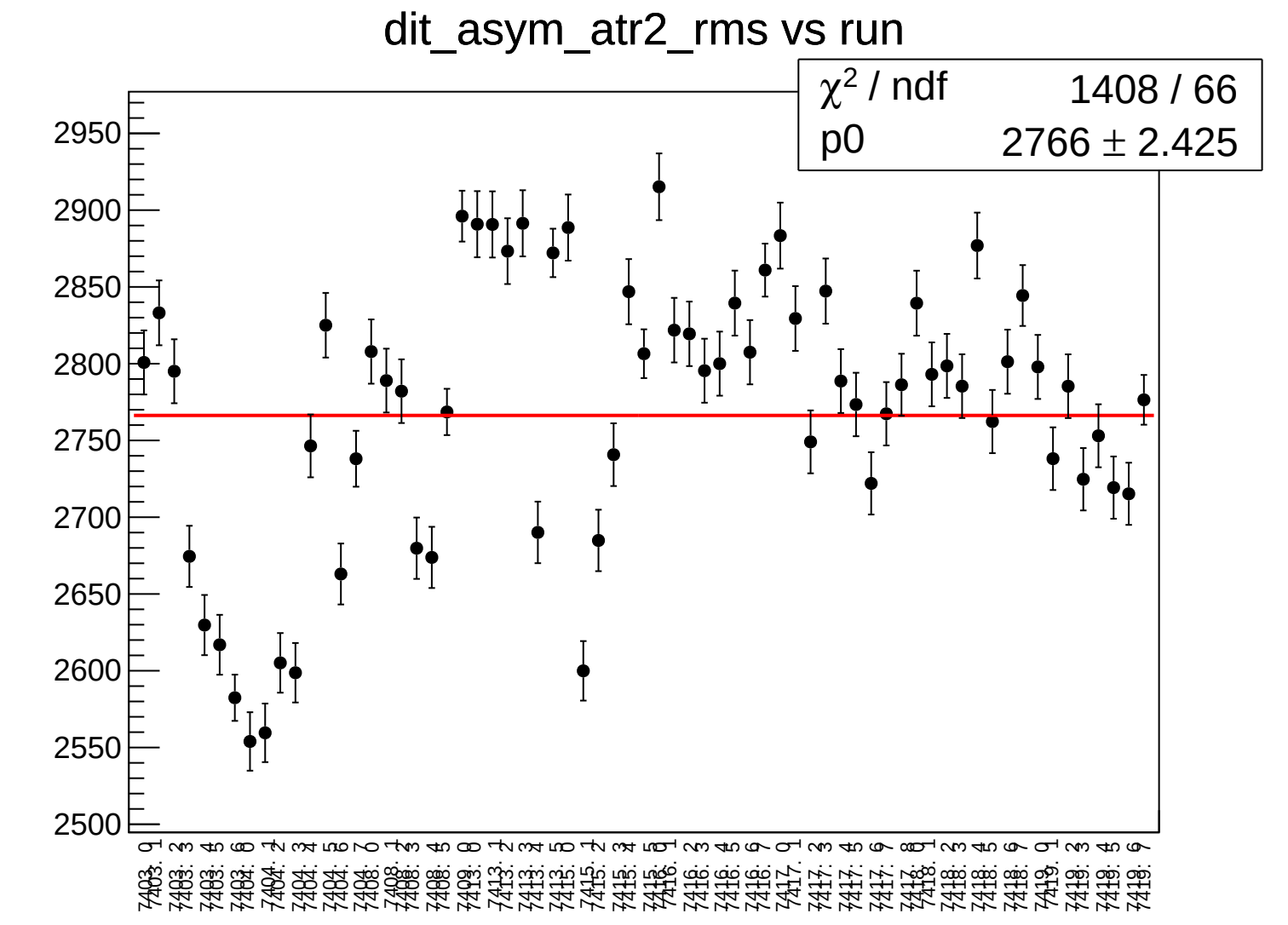

asym_atr1_mean vs run
×10^3
χ² / ndf 60.51 / 66
p0 1.09e+04 ± 3535
pull
Entries 67
Mean −1015
Std Dev 1051

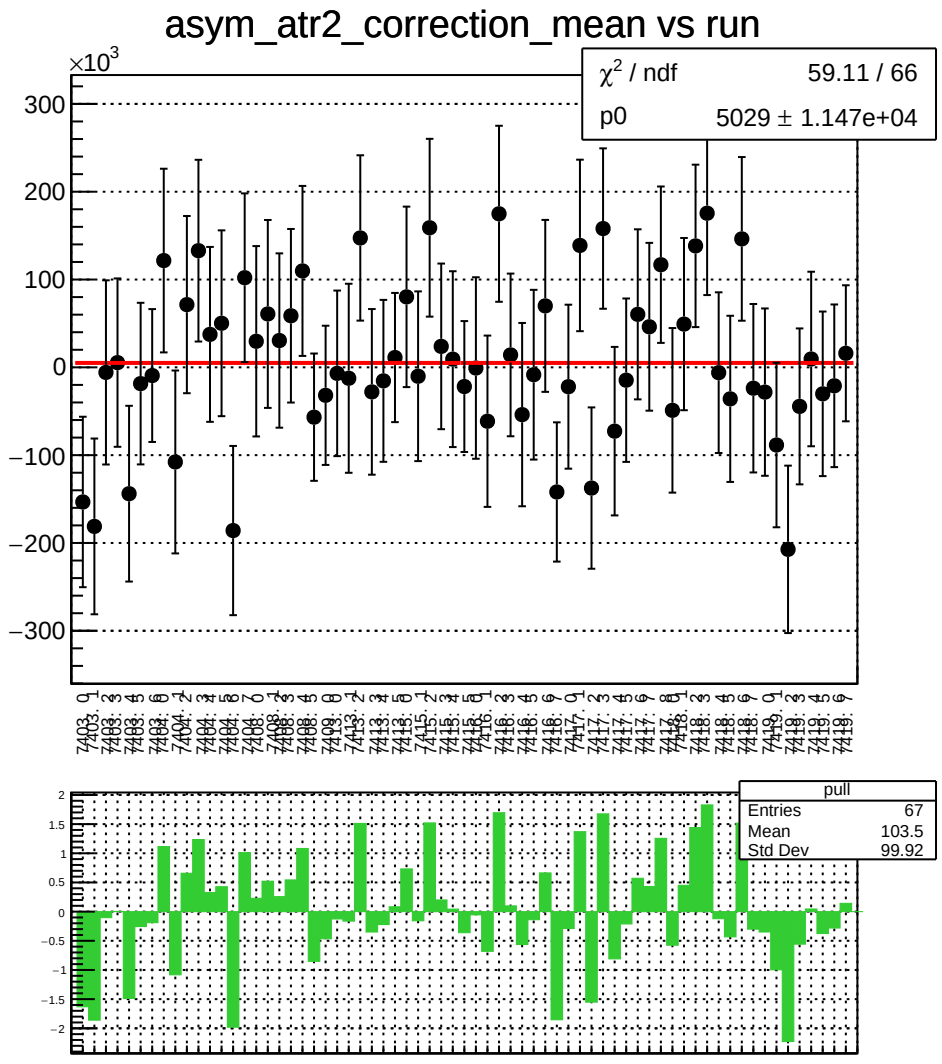

pull1D
Entries 67
Mean −0.0007193
Std Dev 0.9504

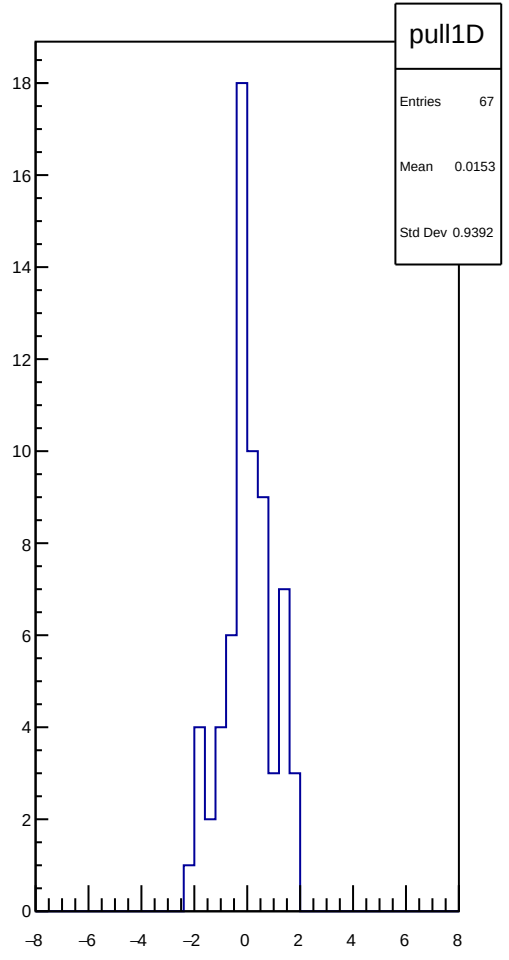

asym_atr1_rms vs run
χ² / ndf 109.5 / 66
p0 2853 ± 2.5
2960
2940
2920
2900
2880
2860
2840
2820
2800
2780
2760

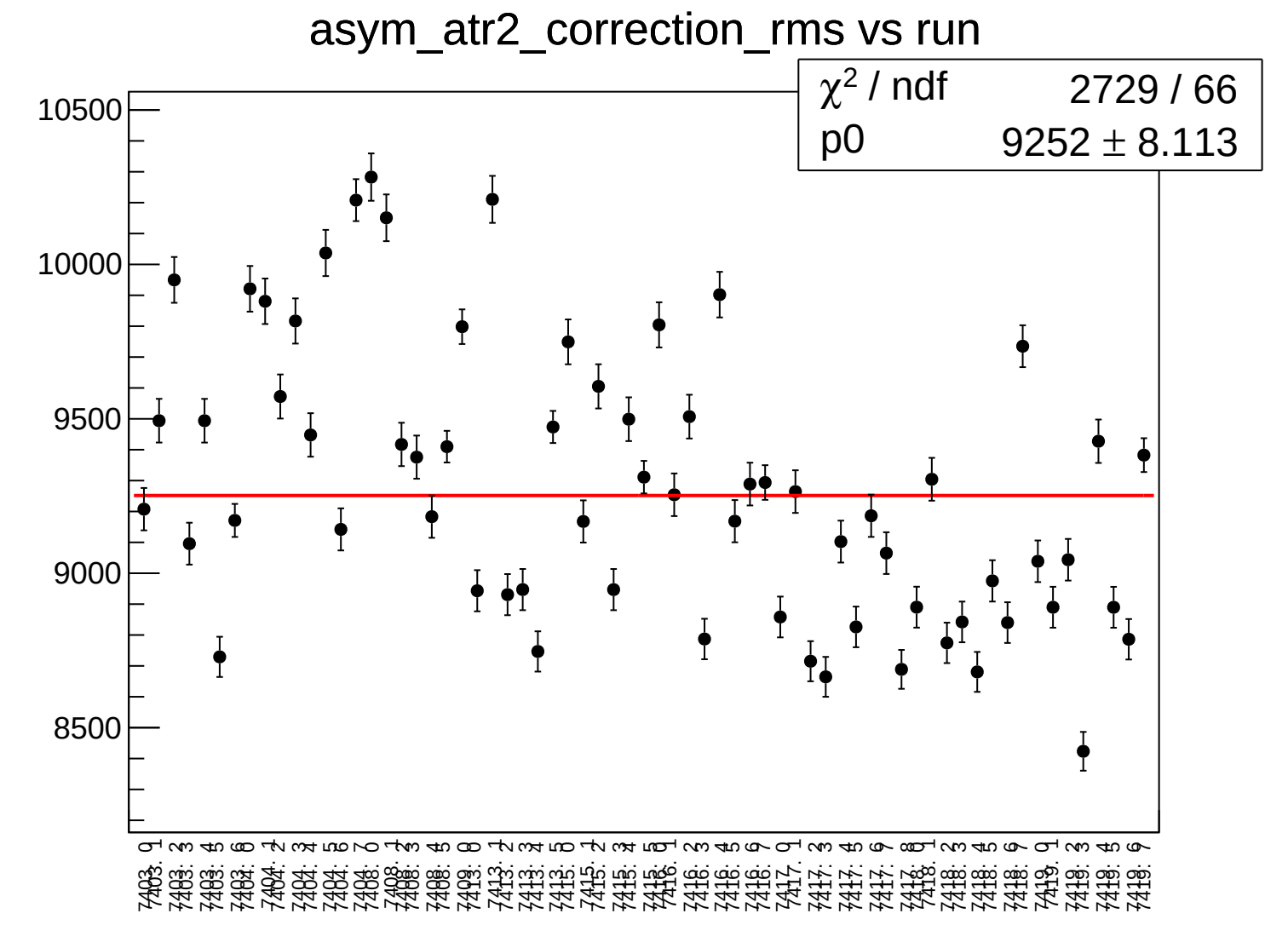

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 89.12 / 66
p0 4599 ± 3429
100
50
0
−50
−100
pull
Entries 67
Mean 665.1
Std Dev 636.2
2
1
0
−1
−2

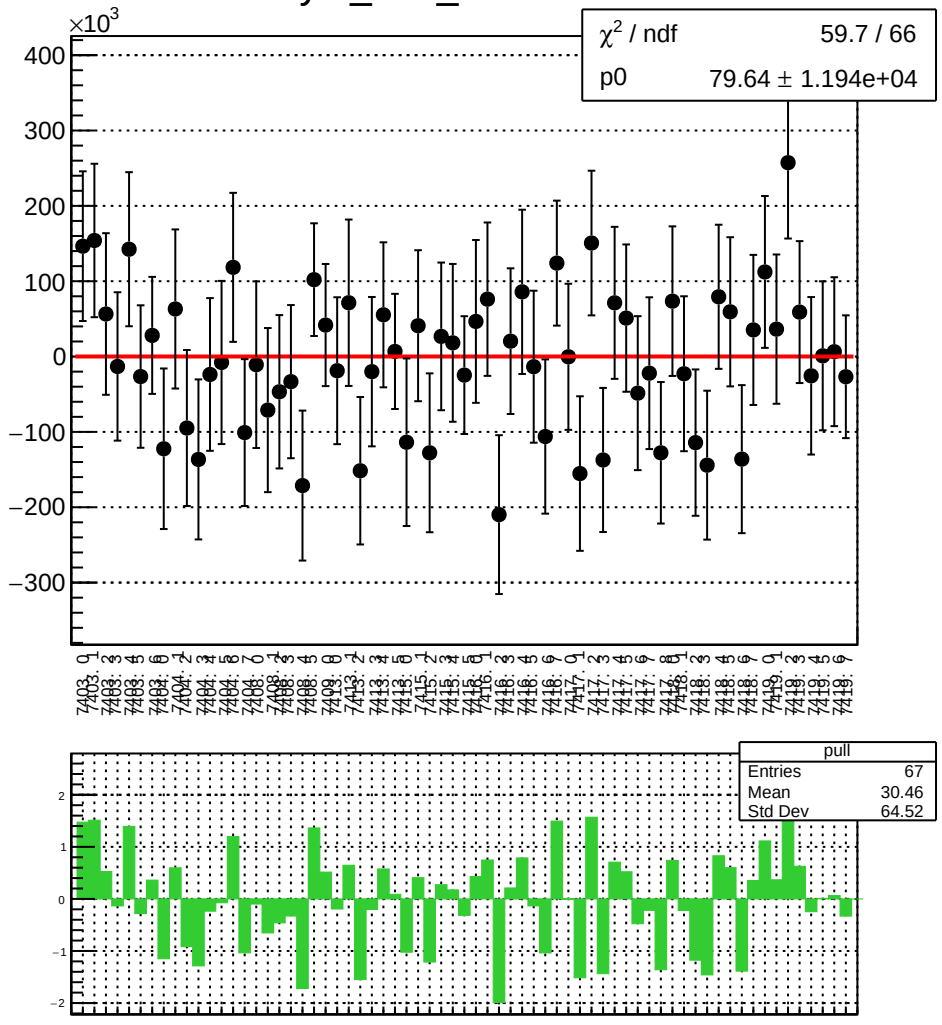

pull1D
Entries 67
Mean 0.005923
Std Dev 1.153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

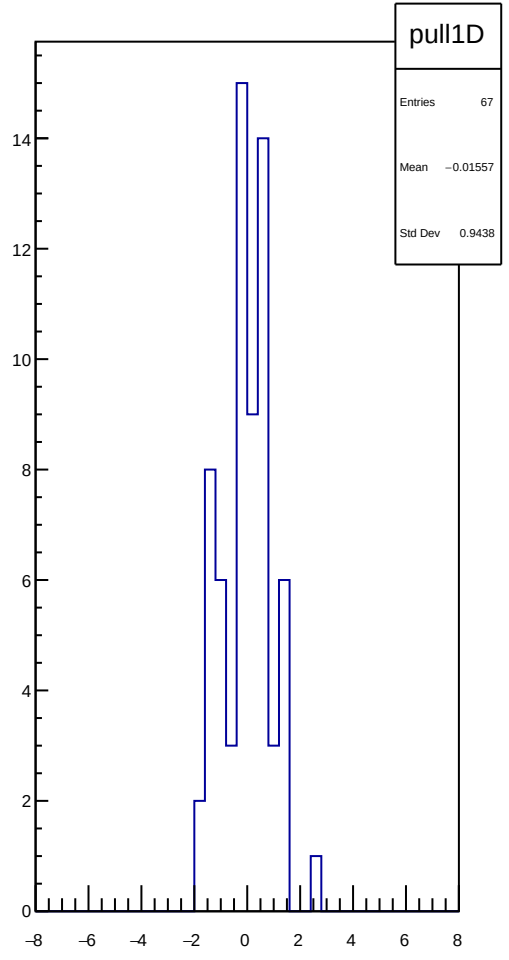

dit_asym_atr2_rms vs run
$\chi^2$ / ndf 1408 / 66
p0 2766 ± 2.425
2950
2900
2850
2800
2750
2700
2650
2600
2550
2500

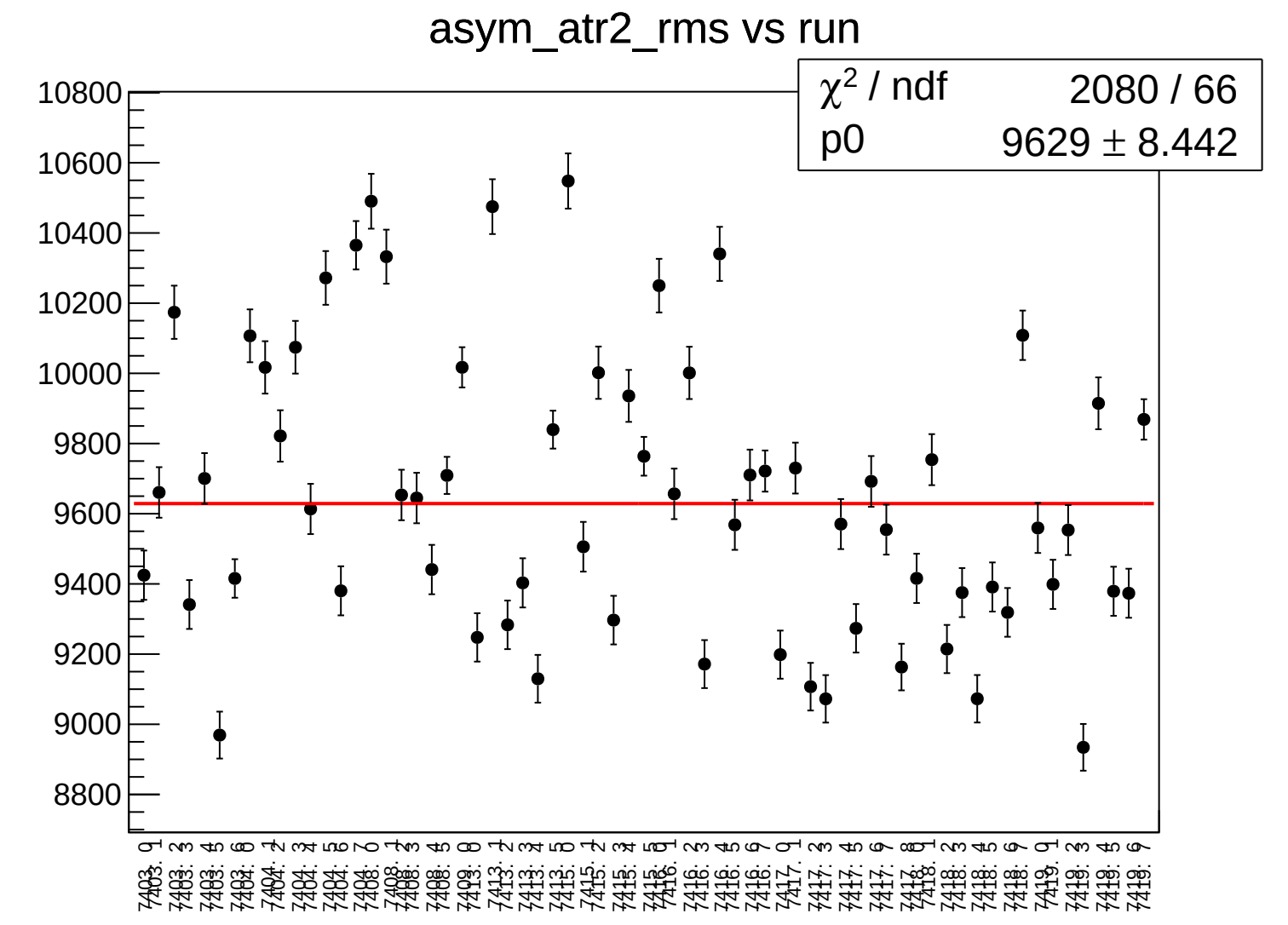

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 59.11 / 66
p0 5029 ± 1.147e+04
pull
Entries 67
Mean 103.5
Std Dev 99.92

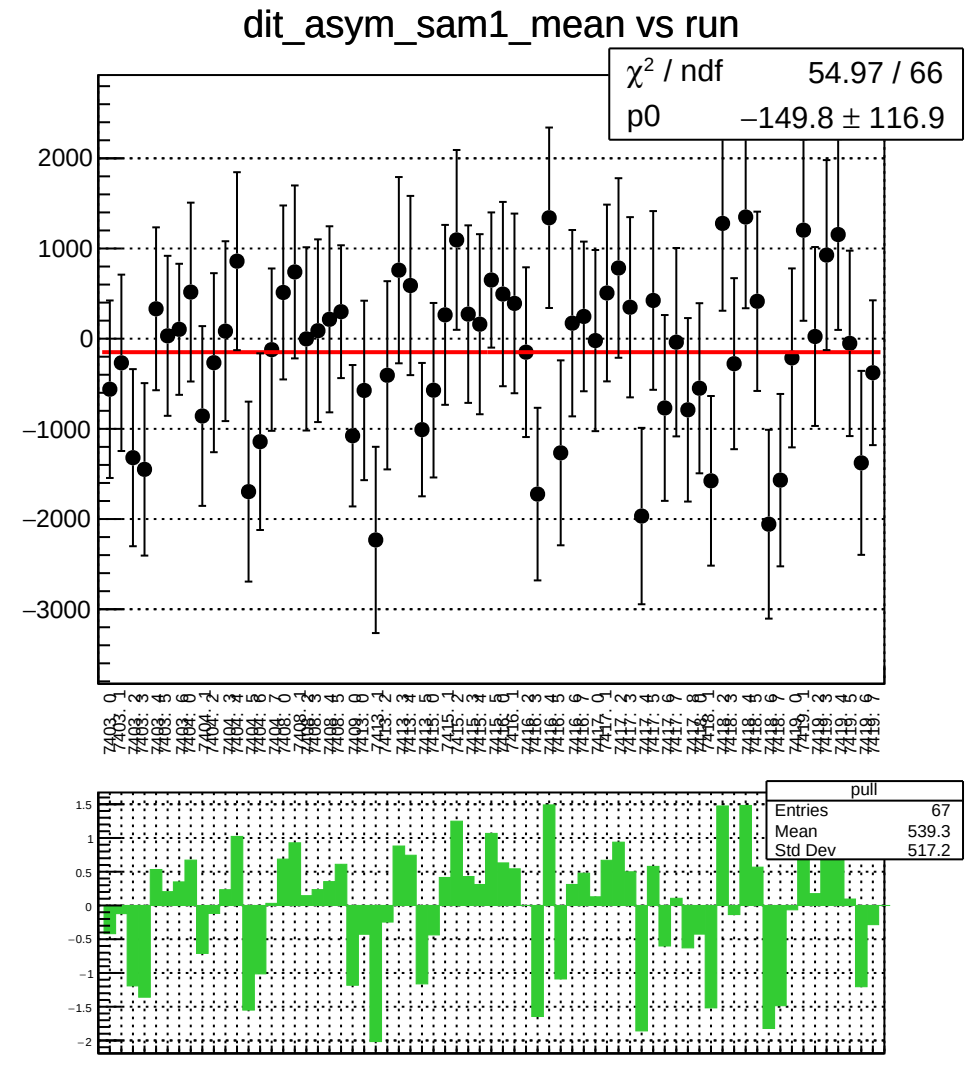

pull1D
Entries 67
Mean 0.0153
Std Dev 0.9392

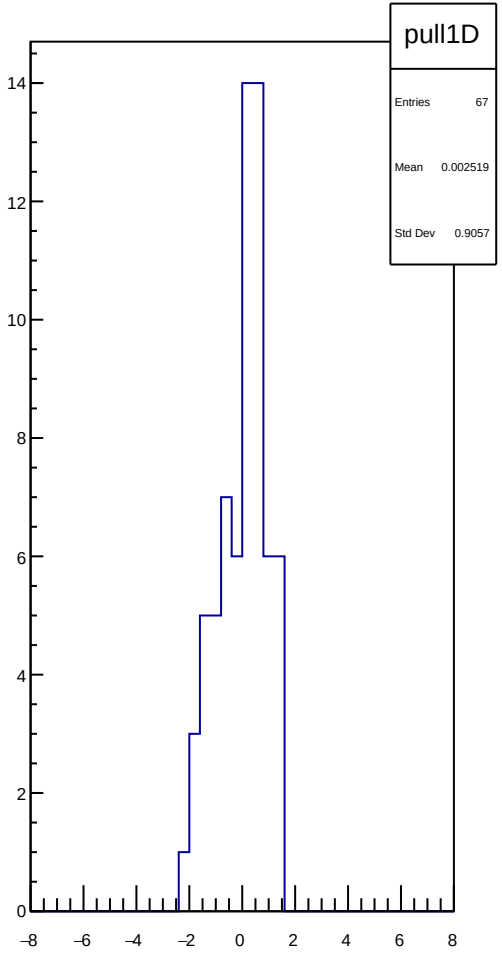

asym_atr2_correction_rms vs run
χ² / ndf 2729 / 66
p0 9252 ± 8.113
10500
10000
9500
9000
8500

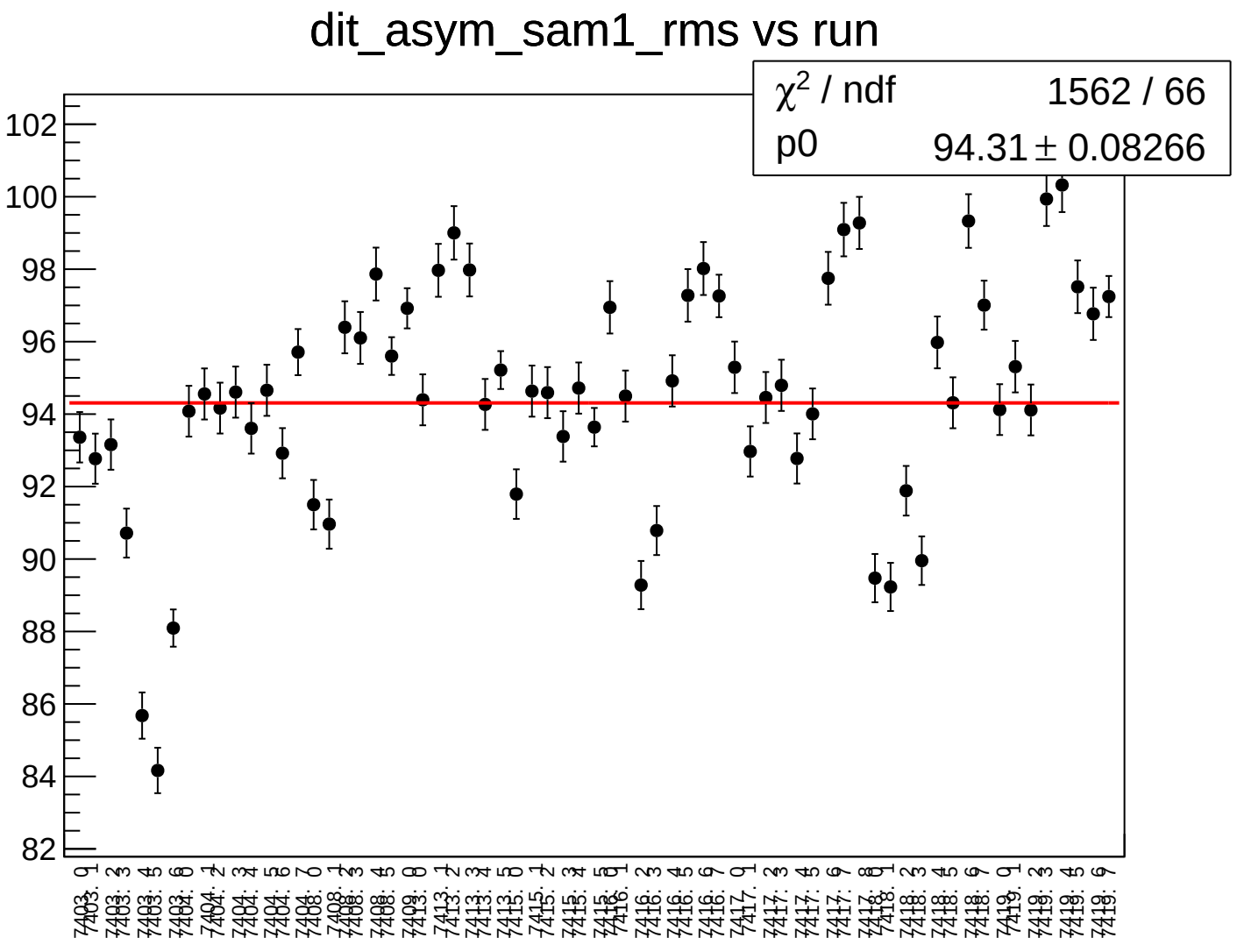

asym_atr2_mean vs run
×10^3
χ² / ndf 59.7 / 66
p0 79.64 ± 1.194e+04
pull
Entries 67
Mean 30.46
Std Dev 64.52

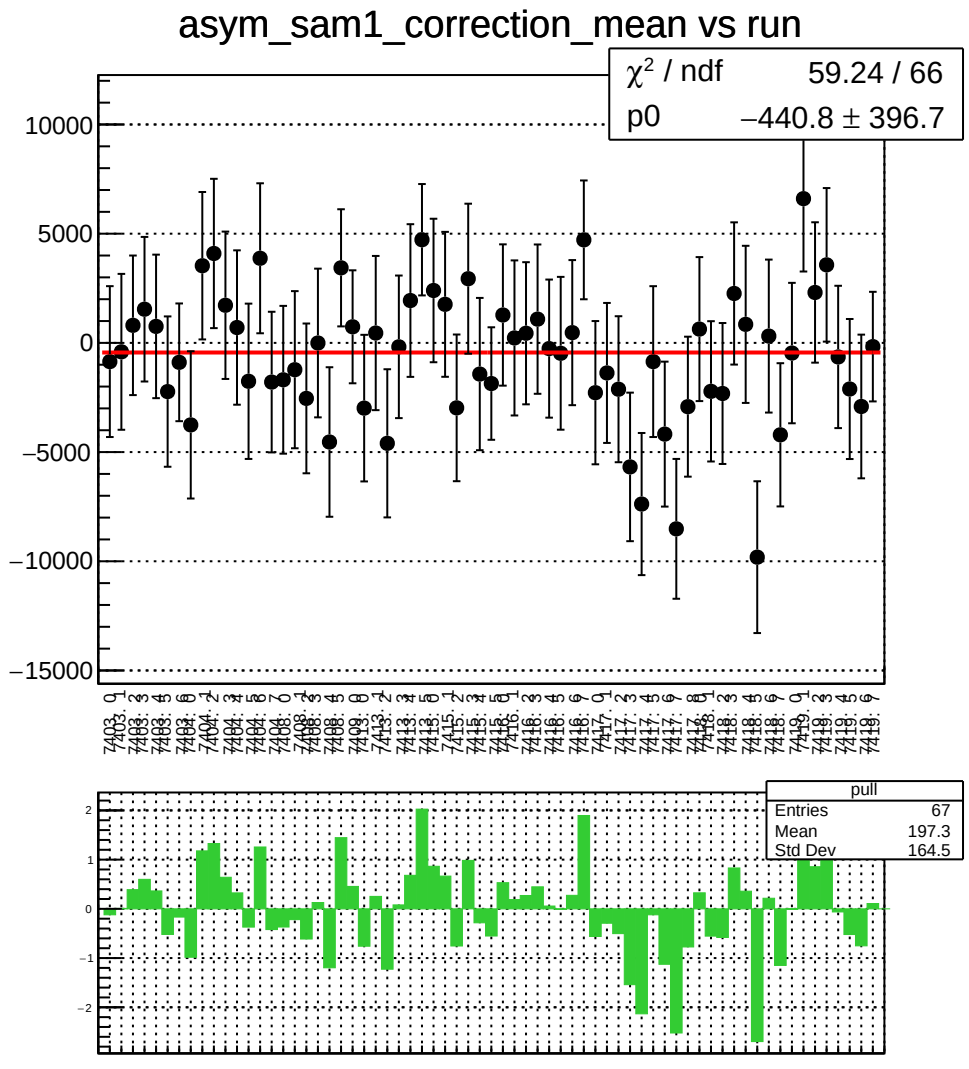

pull1D
Entries 67
Mean −0.01557
Std Dev 0.9438

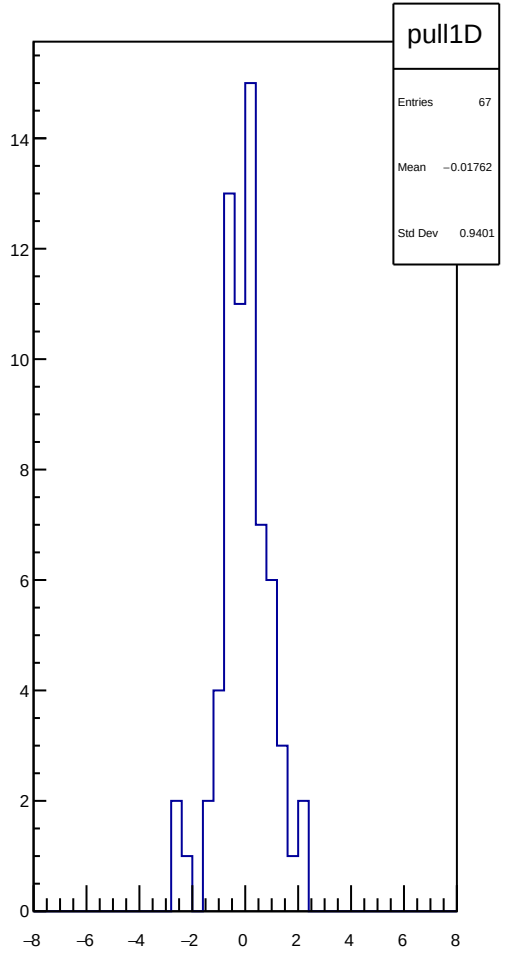

asym_atr2_rms vs run
χ² / ndf 2080 / 66
p0 9629 ± 8.442
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800

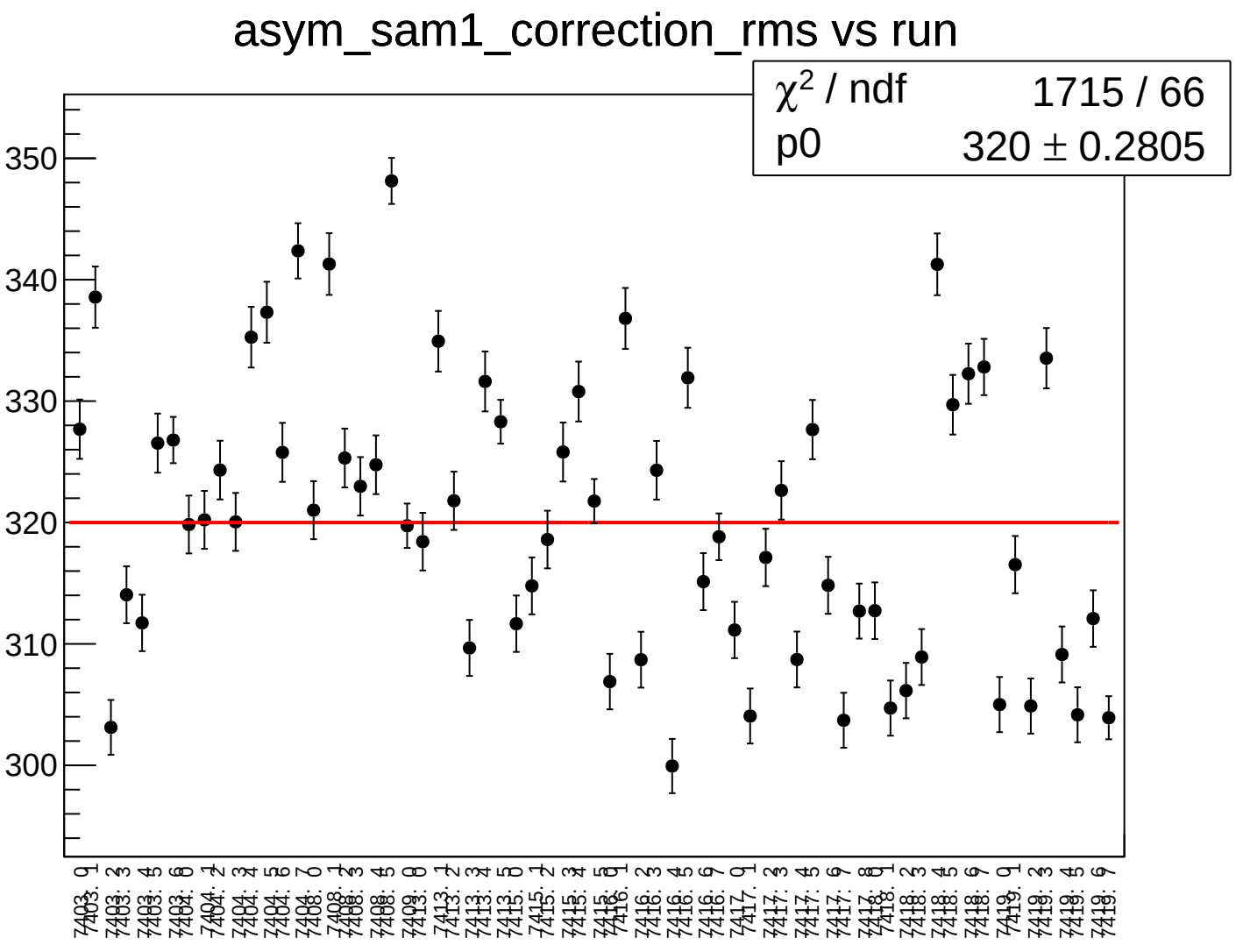

dit_asym_sam1_mean vs run
χ² / ndf 54.97 / 66
p0 −149.8 ± 116.9
pull
Entries 67
Mean 539.3
Std Dev 517.2

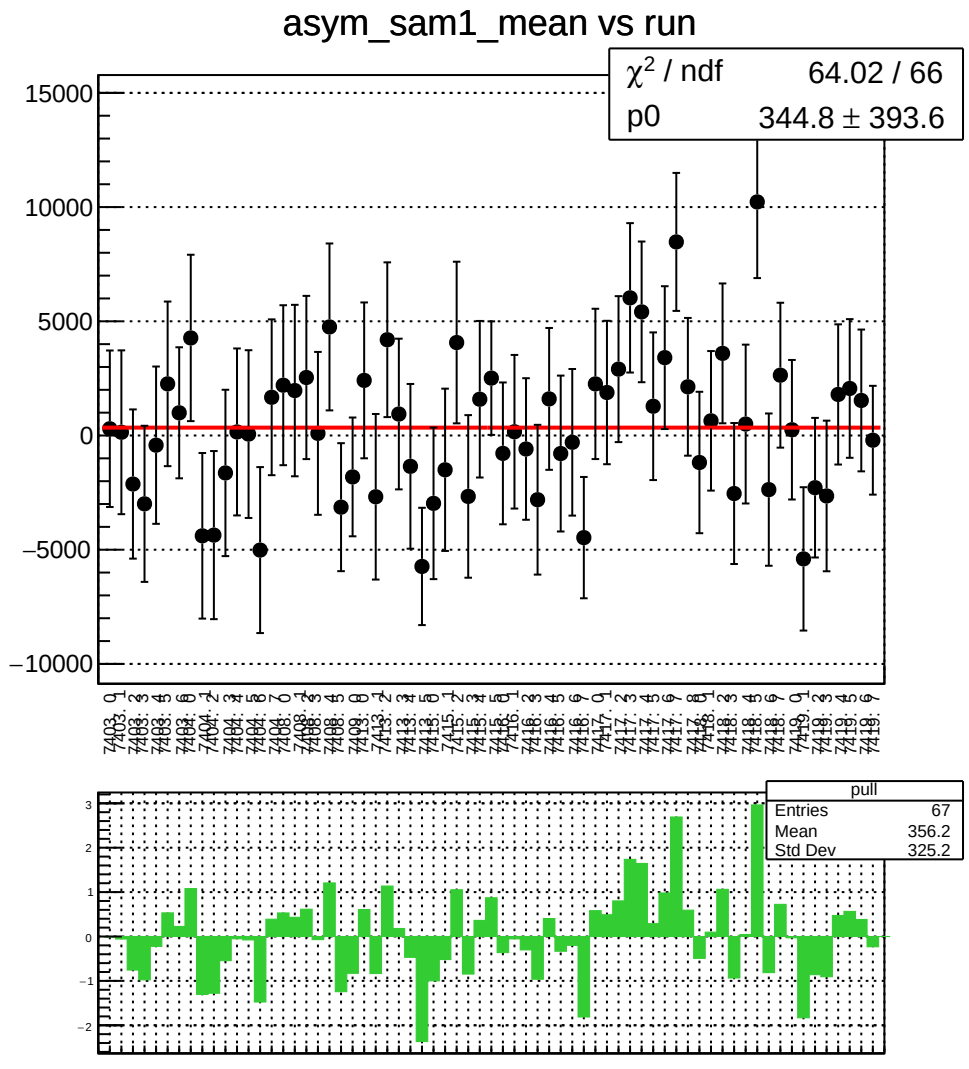

pull1D
Entries 67
Mean 0.002519
Std Dev 0.9057

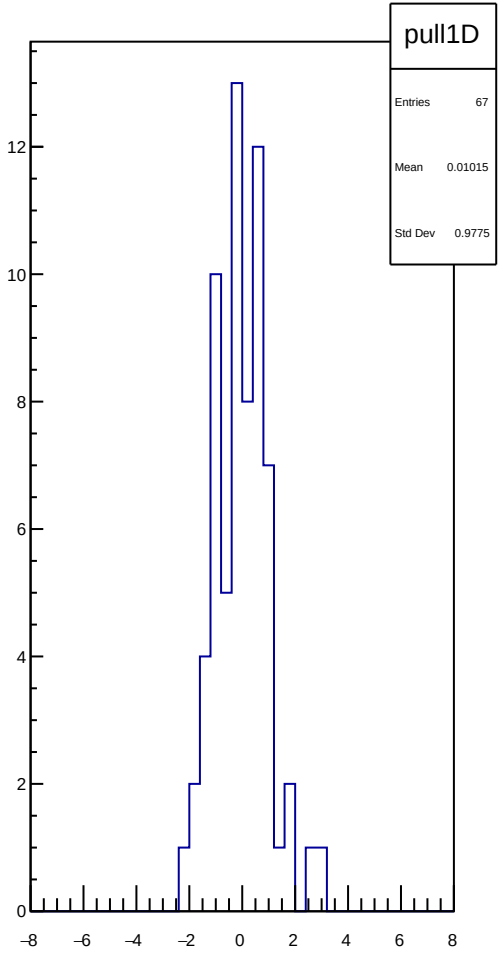

dit_asym_sam1_rms vs run
χ² / ndf 1562 / 66
p0 94.31 ± 0.08266
102
100
98
96
94
92
90
88
86
84
82

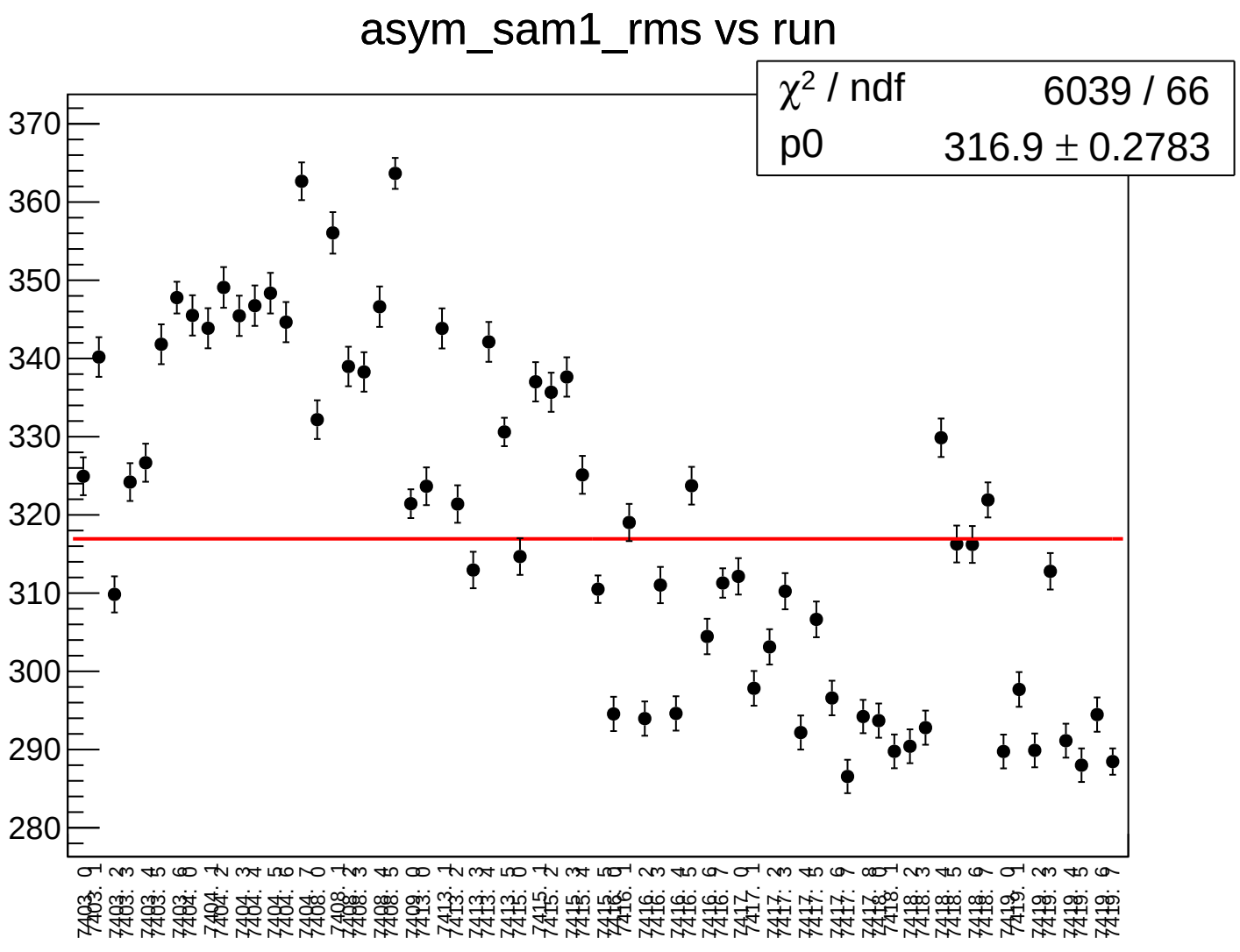

asym_sam1_correction_mean vs run
χ² / ndf 59.24 / 66
p0 −440.8 ± 396.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 197.3
Std Dev 164.5
2
1
0
−1
−2

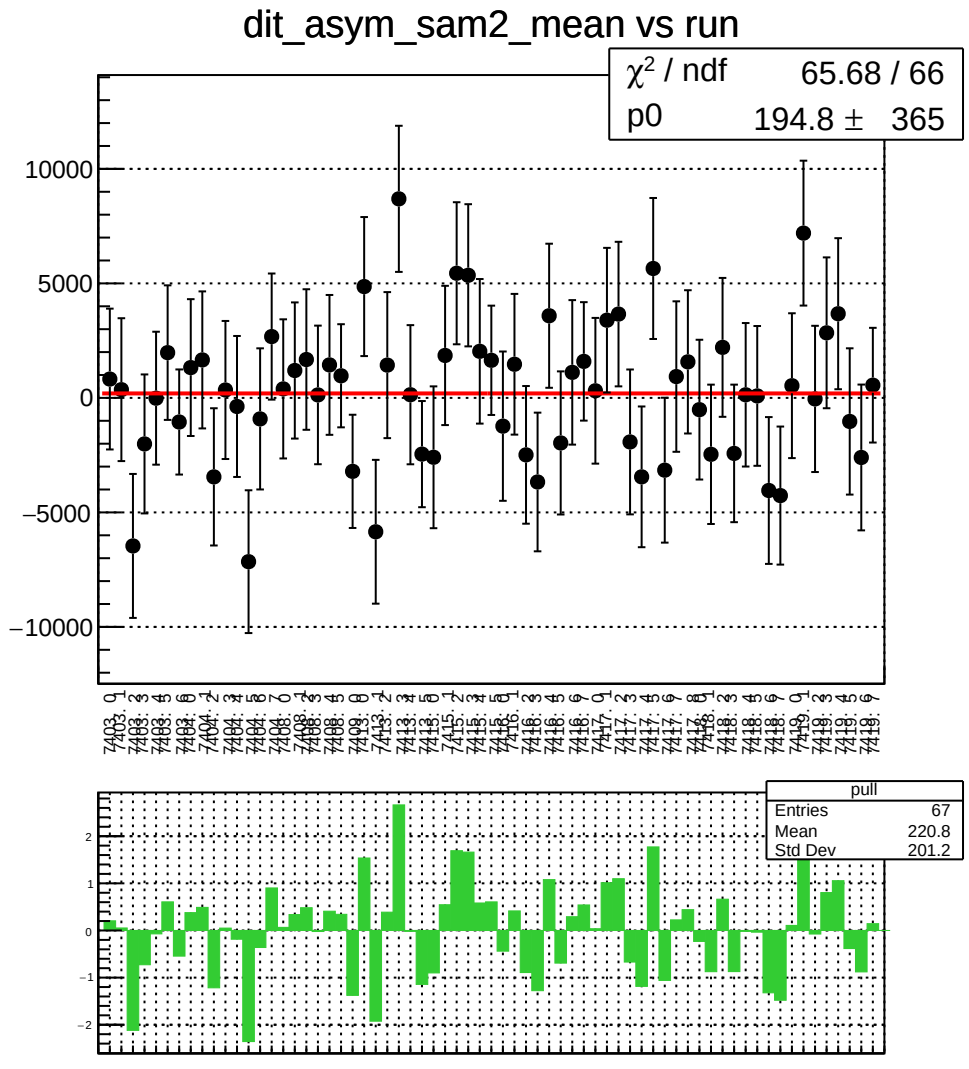

pull1D
Entries 67
Mean −0.01762
Std Dev 0.9401
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

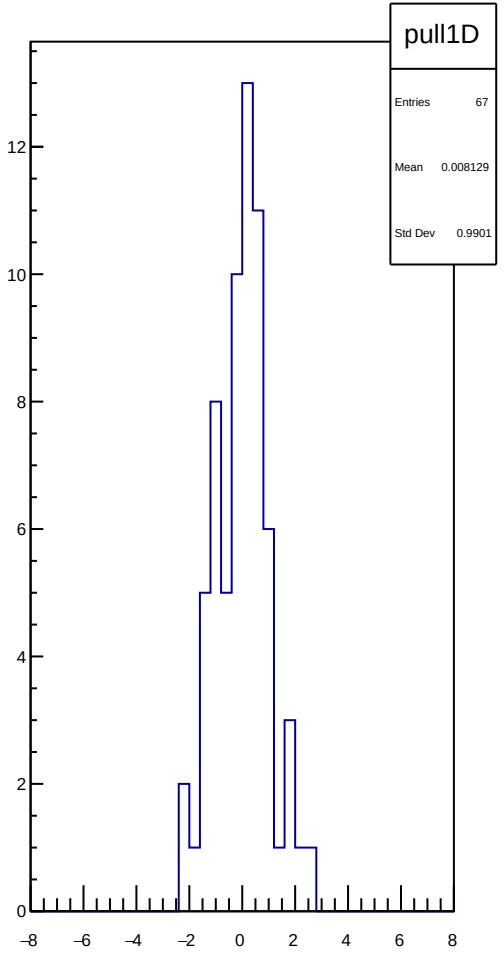

asym_sam1_correction_rms vs run
$\chi^2$ / ndf 1715 / 66
p0 320 ± 0.2805
350
340
330
320
310
300

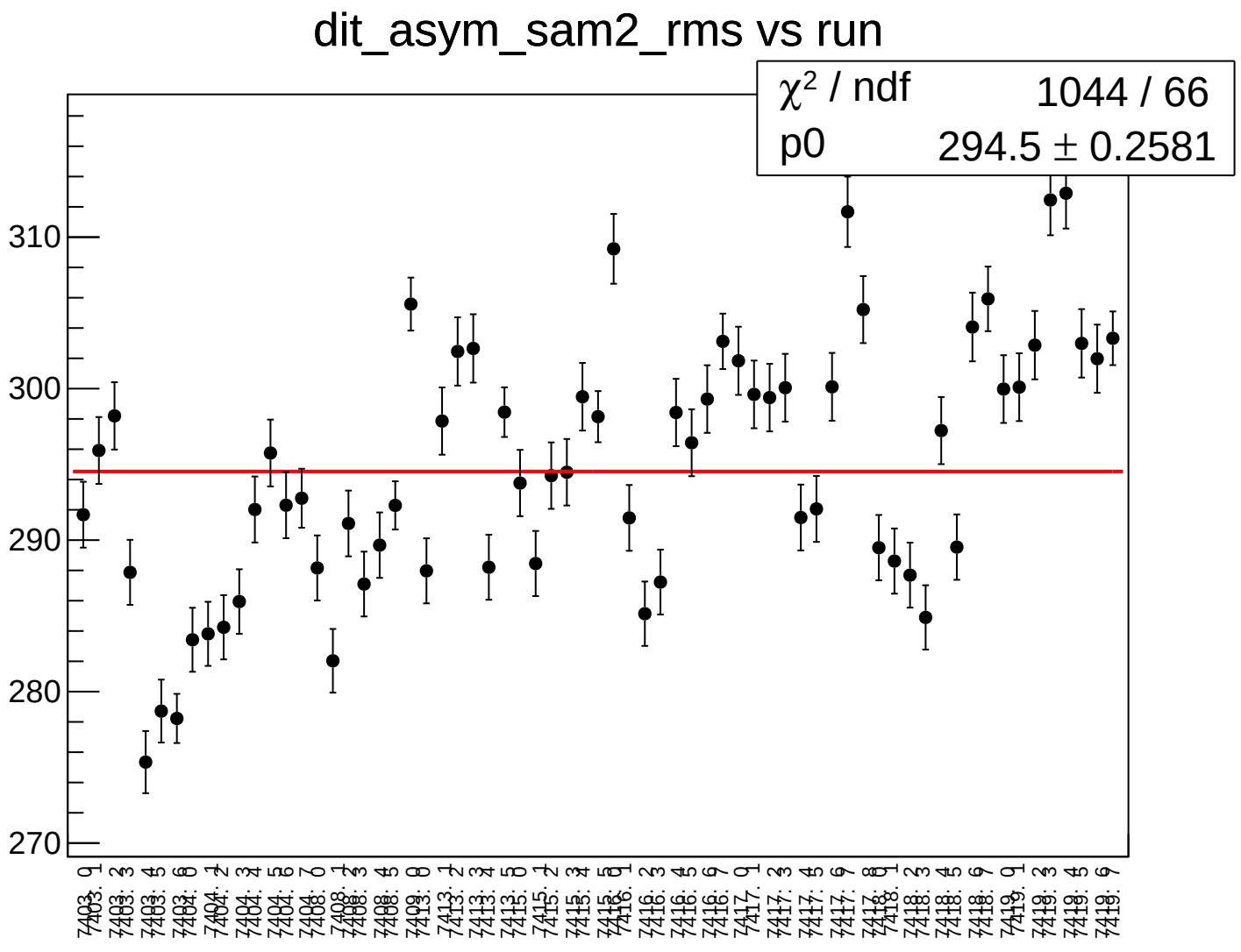

asym_sam1_mean vs run
χ² / ndf 64.02 / 66
p0 344.8 ± 393.6
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 356.2
Std Dev 325.2
3
2
1
0
−1
−2

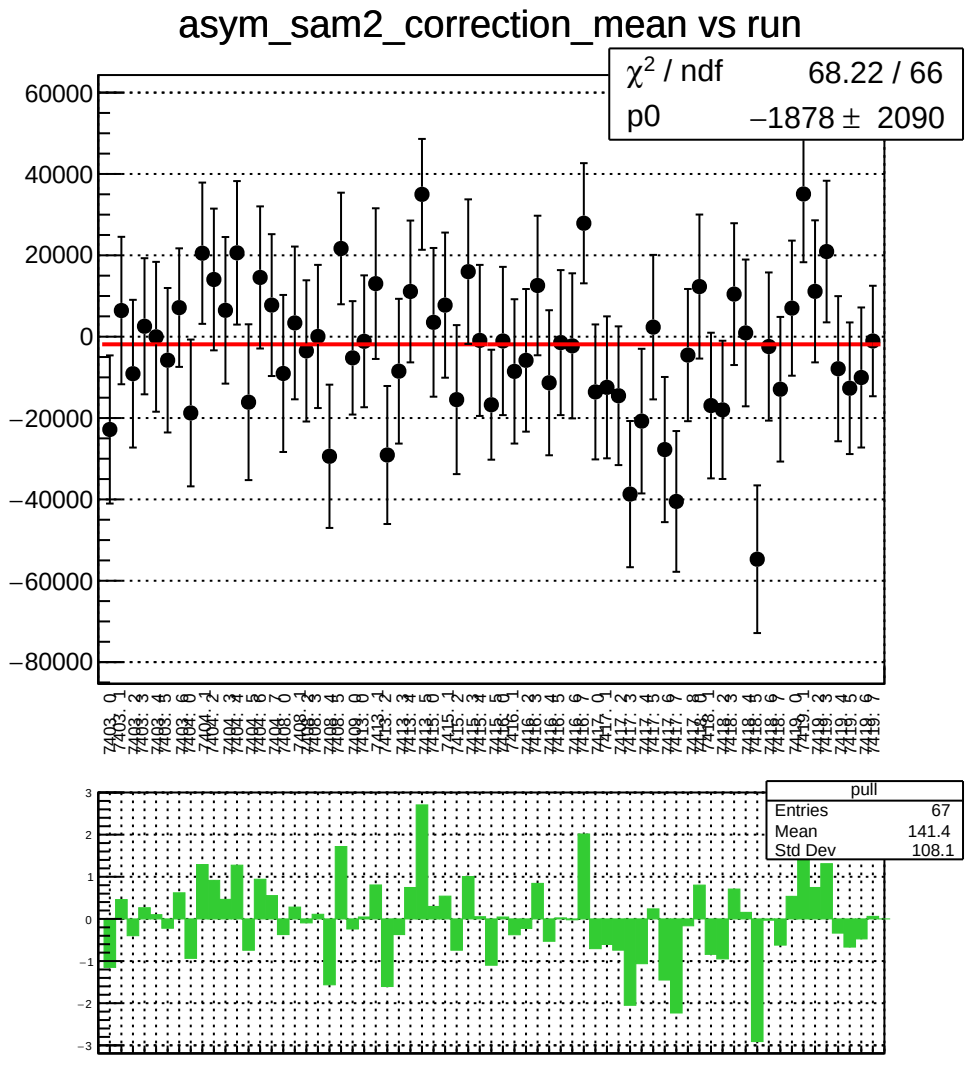

pull1D
Entries 67
Mean 0.01015
Std Dev 0.9775
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

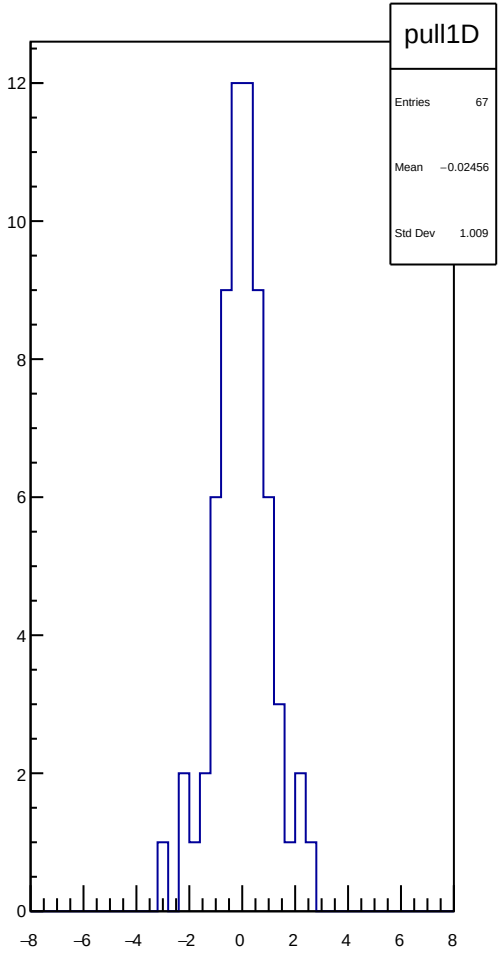

asym_sam1_rms vs run
χ² / ndf 6039 / 66
p0 316.9 ± 0.2783
370
360
350
340
330
320
310
300
290
280

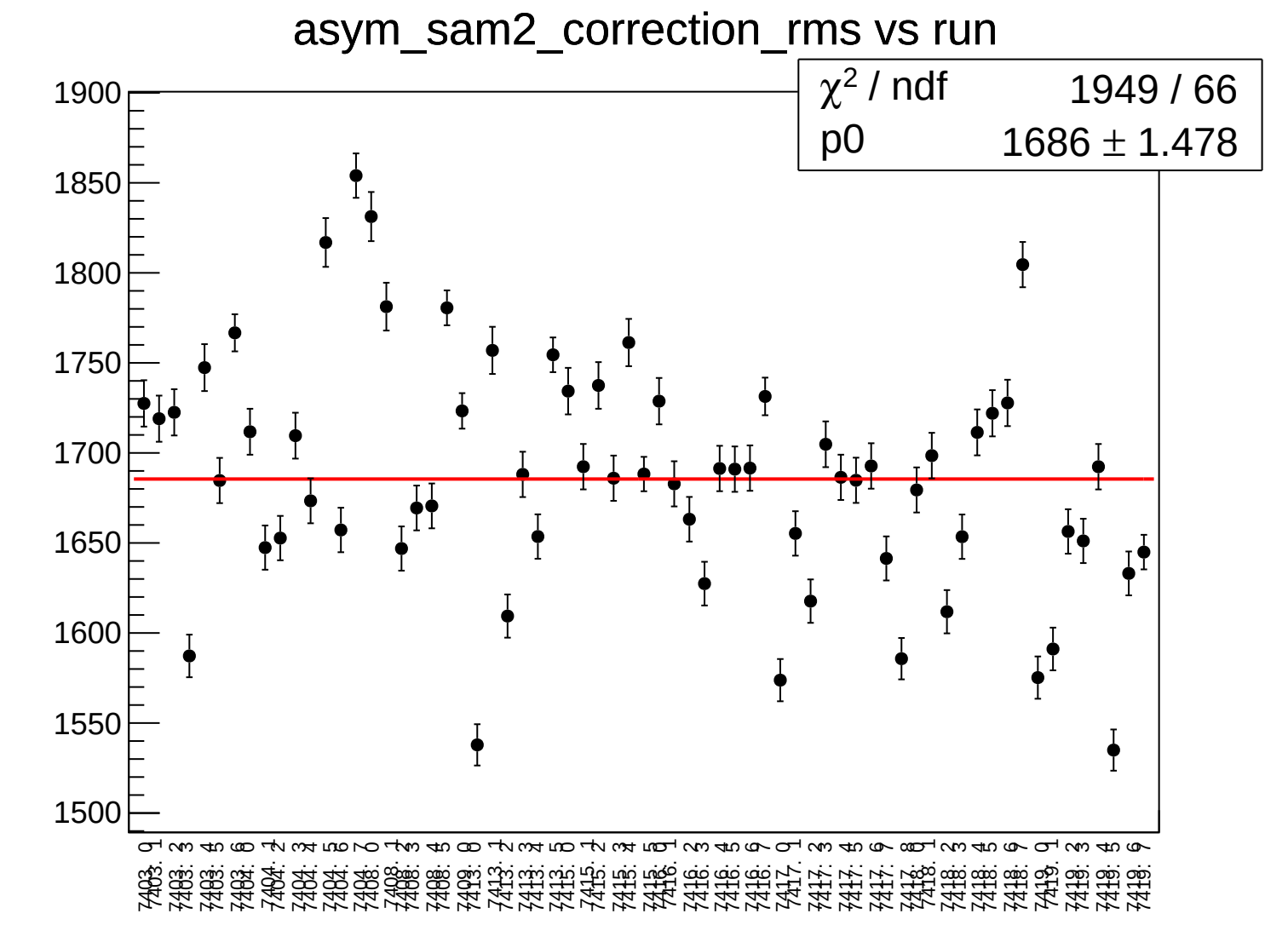

dit_asym_sam2_mean vs run
χ² / ndf 65.68 / 66
p0 194.8 ± 365
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 220.8
Std Dev 201.2
2
1
0
−1
−2

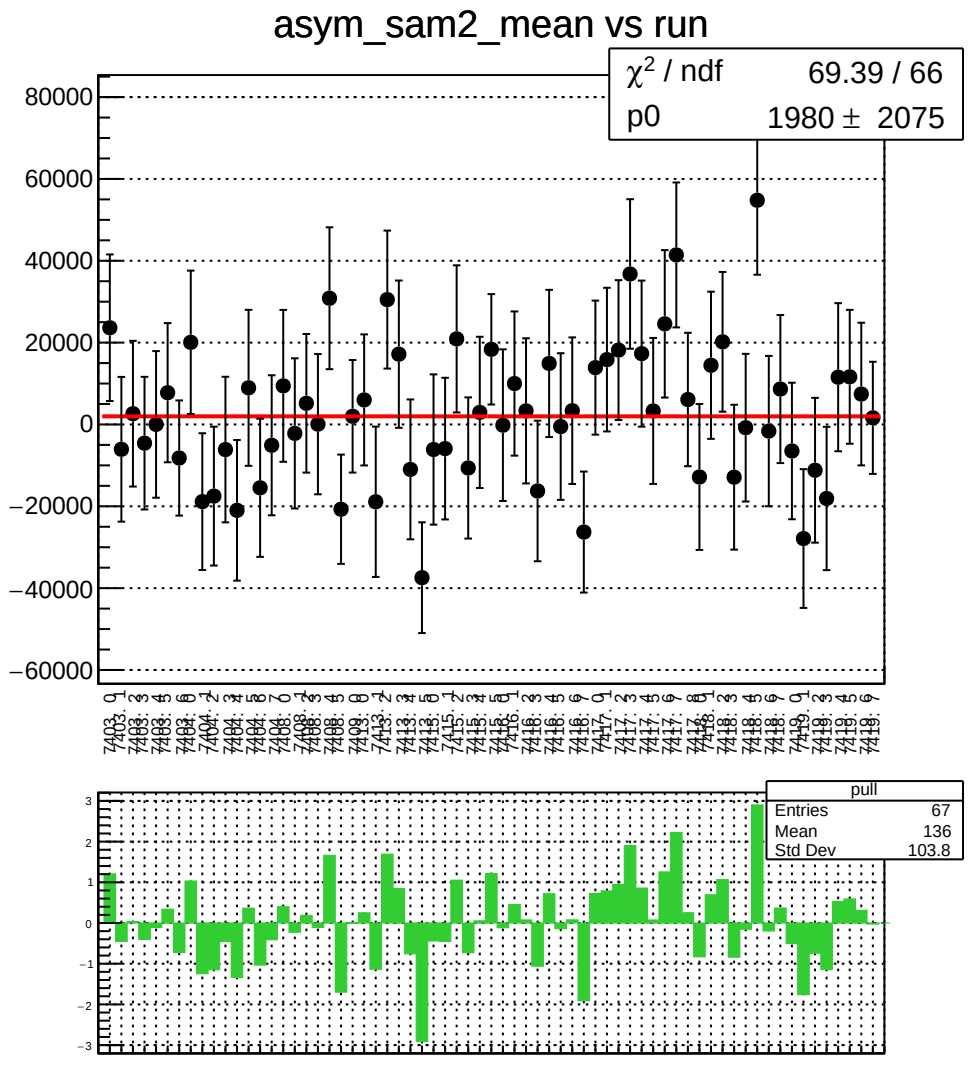

pull1D
Entries 67
Mean 0.008129
Std Dev 0.9901
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

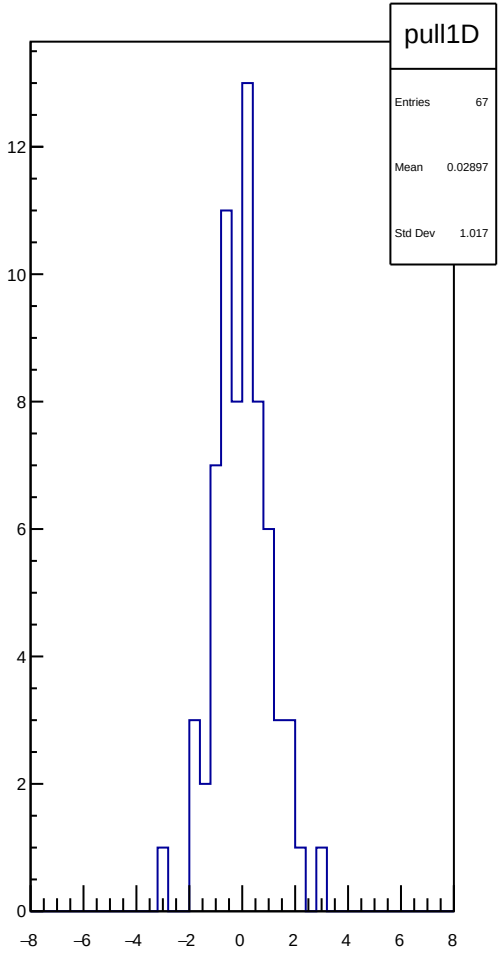

dit_asym_sam2_rms vs run
χ² / ndf 1044 / 66
p0 294.5 ± 0.2581
310
300
290
280
270

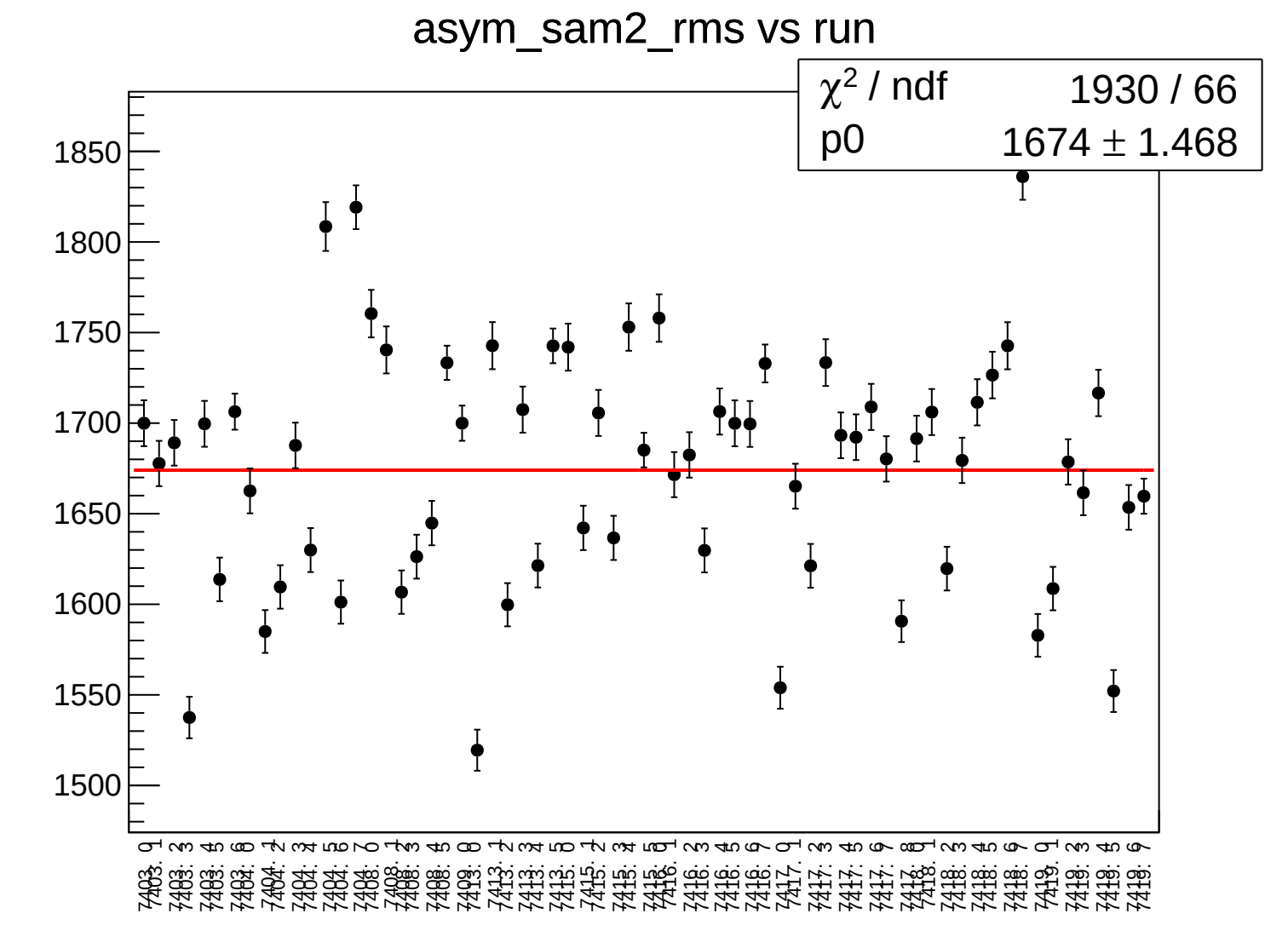

asym_sam2_correction_mean vs run
χ² / ndf 68.22 / 66
p0 −1878 ± 2090
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 67
Mean 141.4
Std Dev 108.1
3
2
1
0
−1
−2
−3

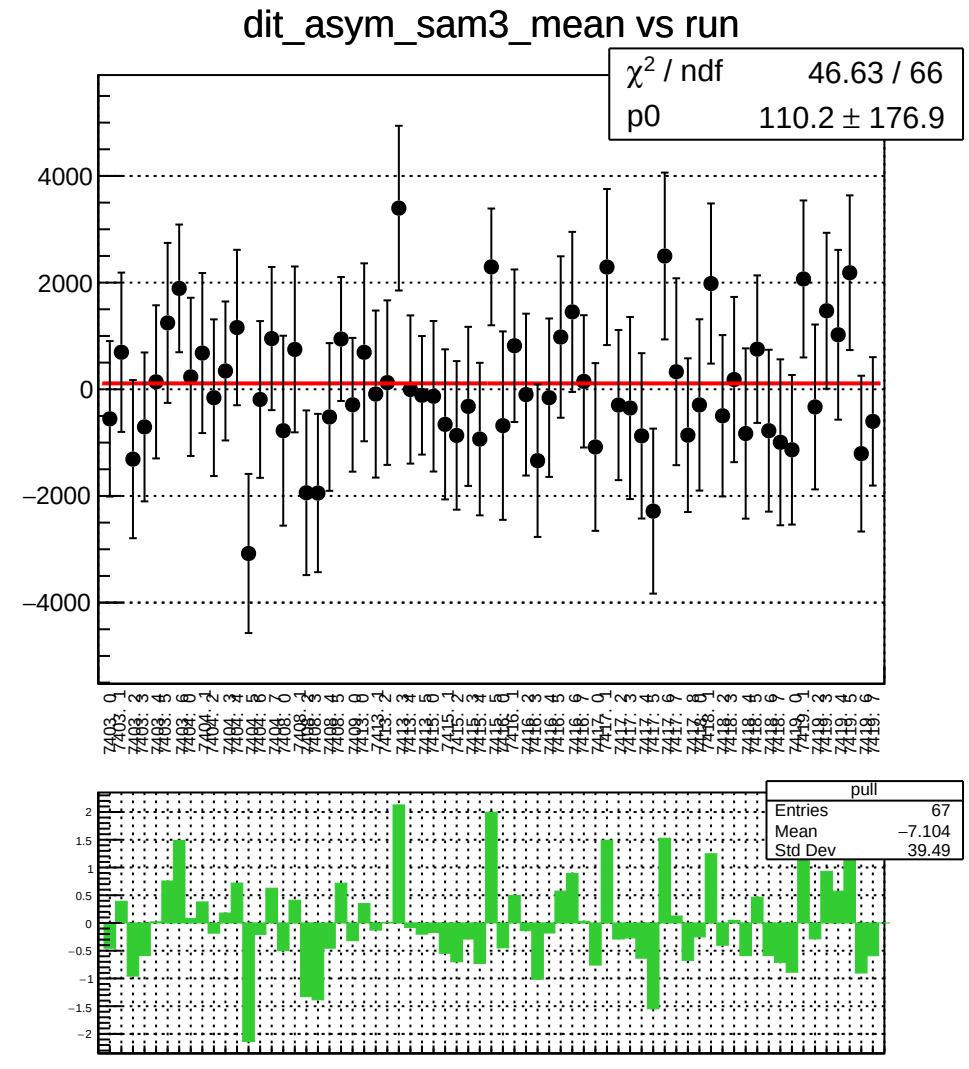

pull1D
Entries 67
Mean −0.02456
Std Dev 1.009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

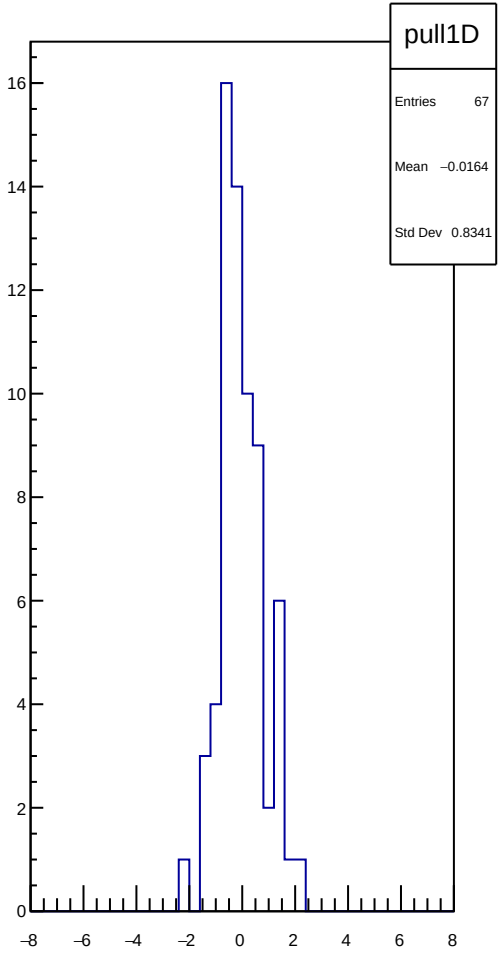

asym_sam2_correction_rms vs run
χ² / ndf 1949 / 66
p0 1686 ± 1.478
1900
1850
1800
1750
1700
1650
1600
1550
1500

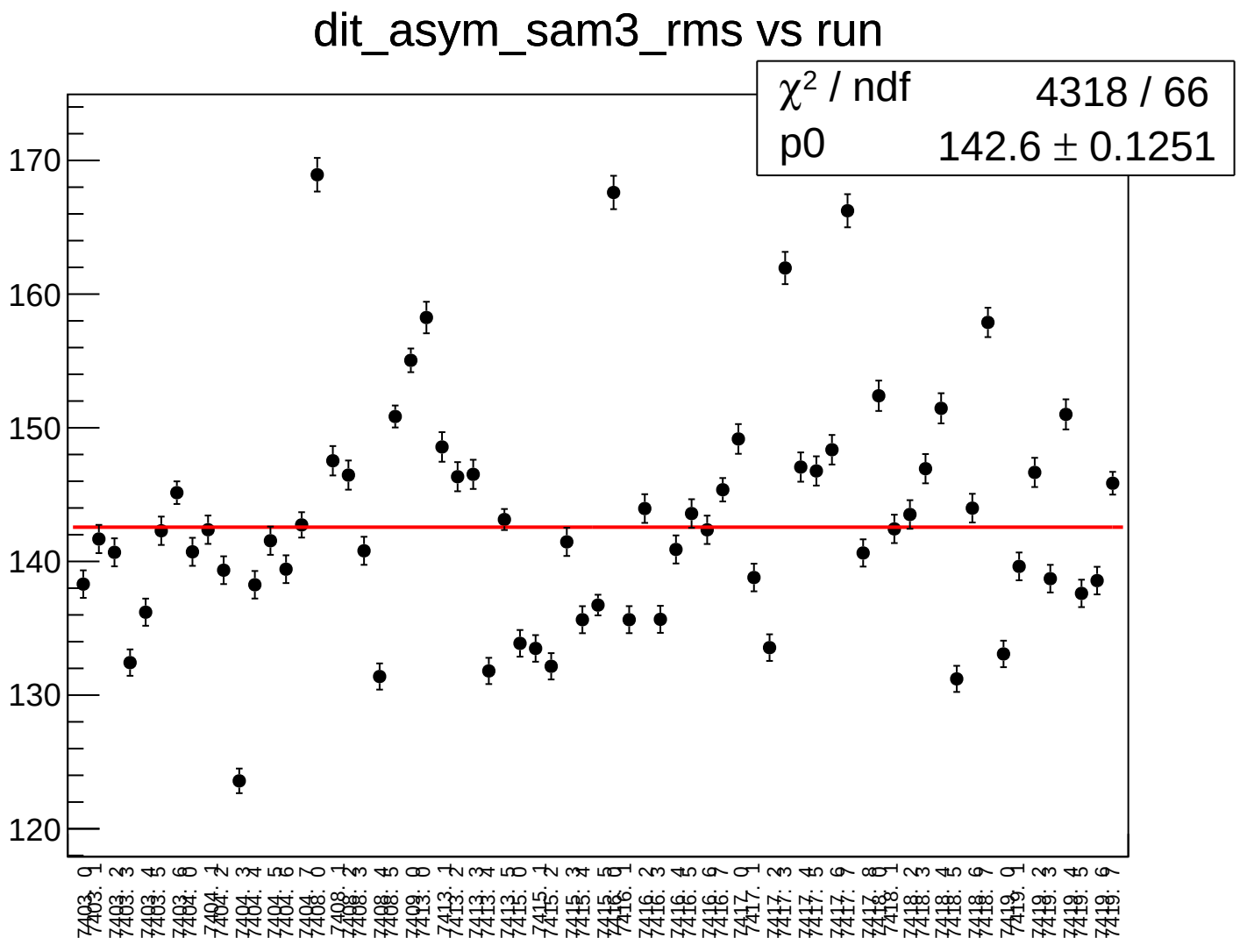

asym_sam2_mean vs run
χ² / ndf 69.39 / 66
p0 1980 ± 2075
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 67
Mean 136
Std Dev 103.8
3
2
1
0
−1
−2
−3

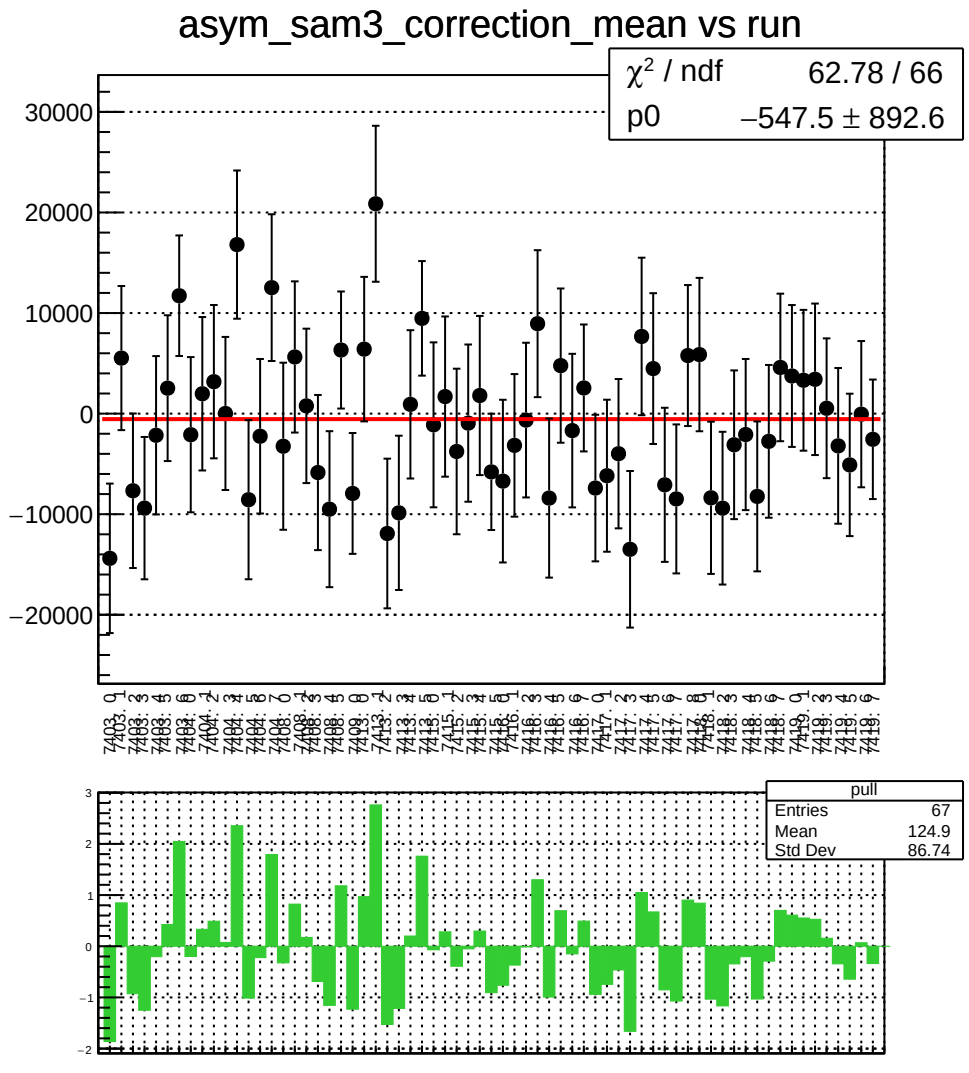

pull1D
Entries 67
Mean 0.02897
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

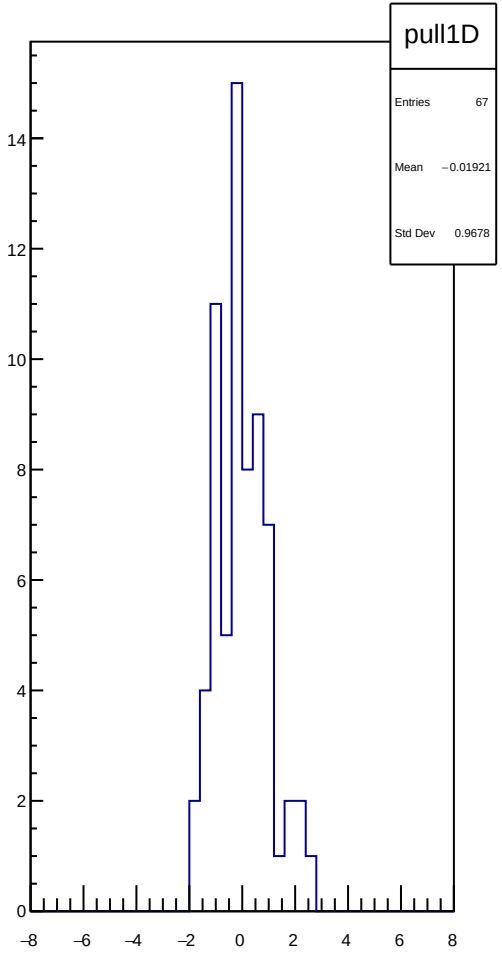

asym_sam2_rms vs run
χ² / ndf 1930 / 66
p0 1674 ± 1.468
1850
1800
1750
1700
1650
1600
1550
1500

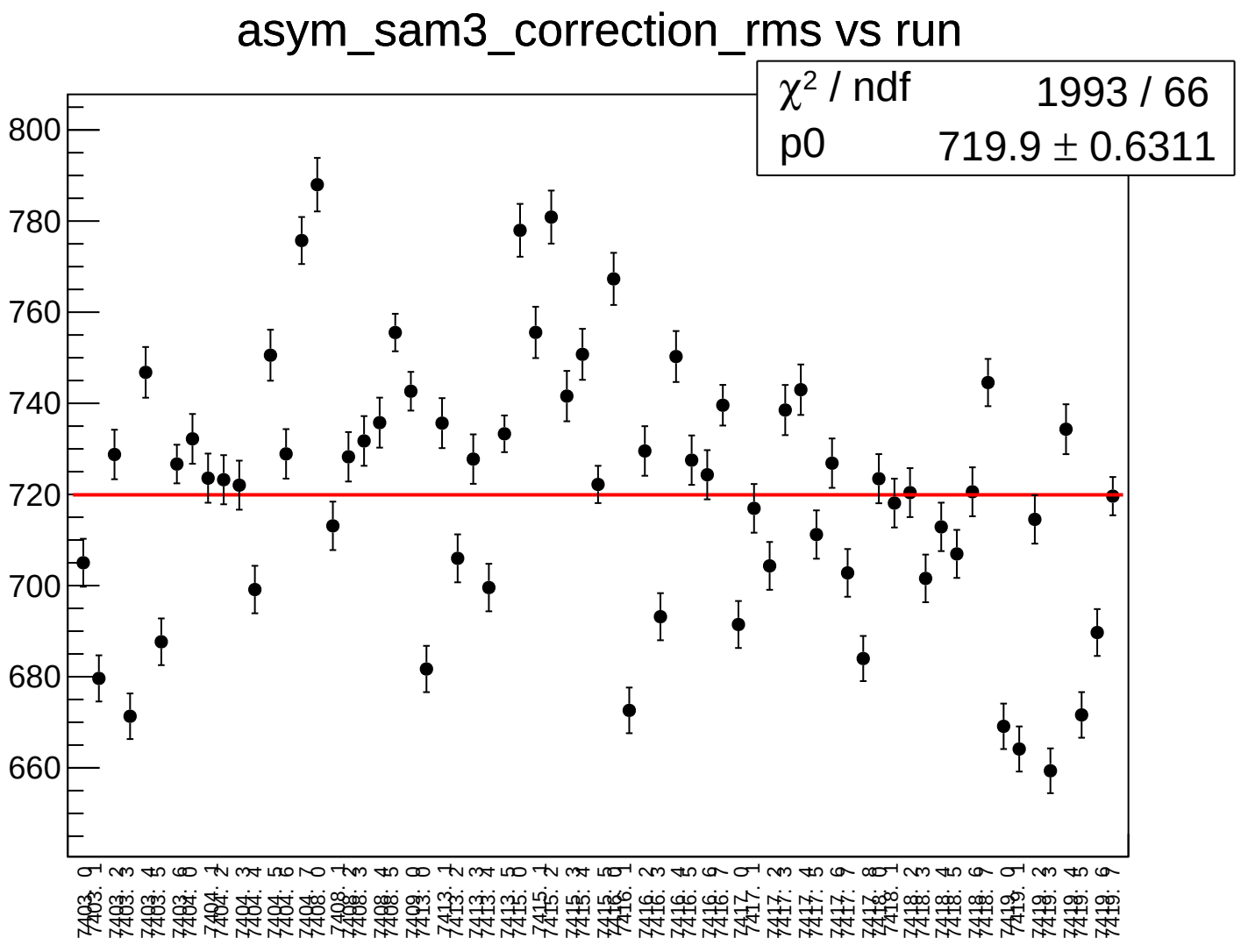

dit_asym_sam3_mean vs run
$\chi^2$ / ndf 46.63 / 66
p0 110.2 ± 176.9
4000
2000
0
−2000
−4000
pull
Entries 67
Mean −7.104
Std Dev 39.49
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

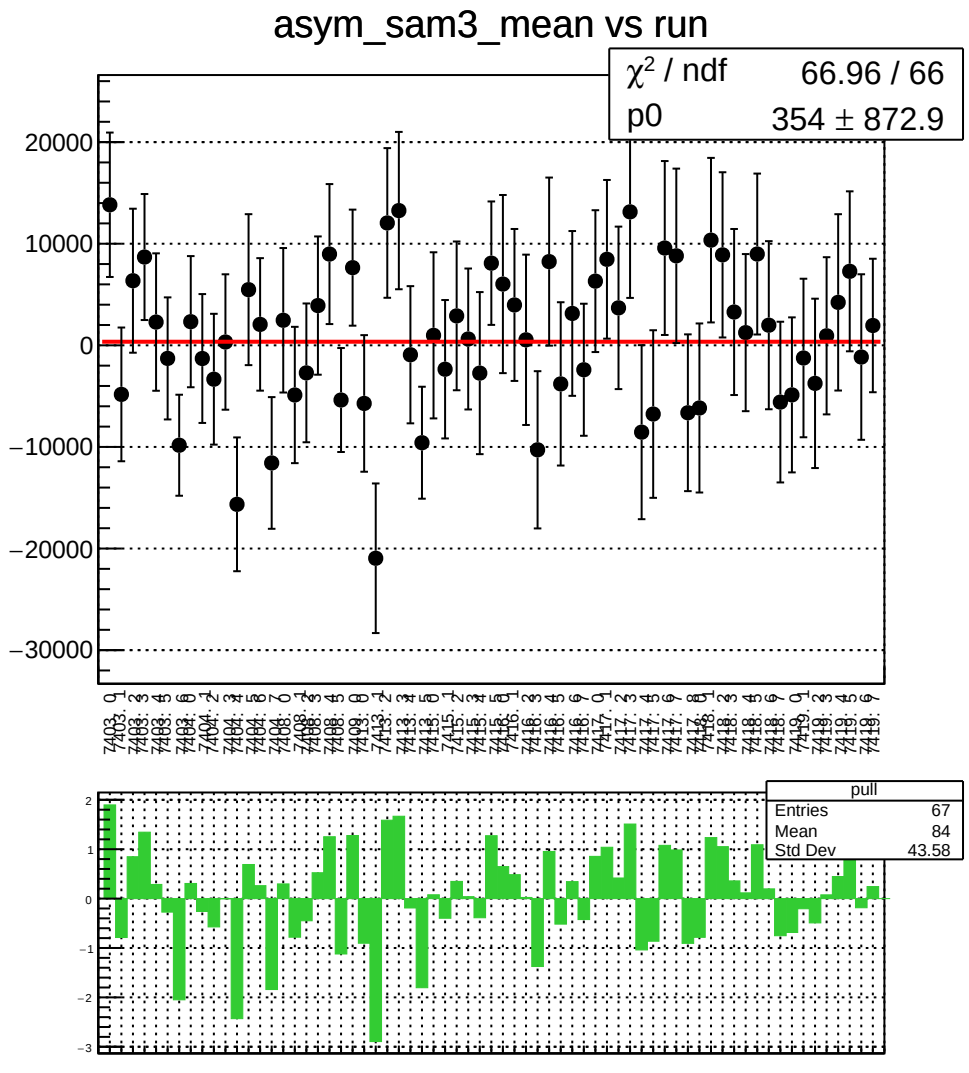

pull1D
Entries 67
Mean −0.0164
Std Dev 0.8341
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

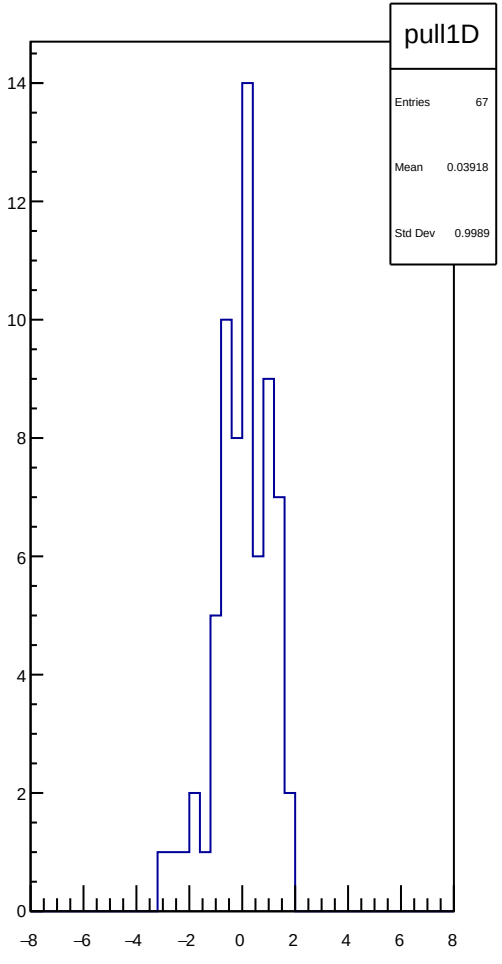

dit_asym_sam3_rms vs run
χ² / ndf 4318 / 66
p0 142.6 ± 0.1251
170
160
150
140
130
120

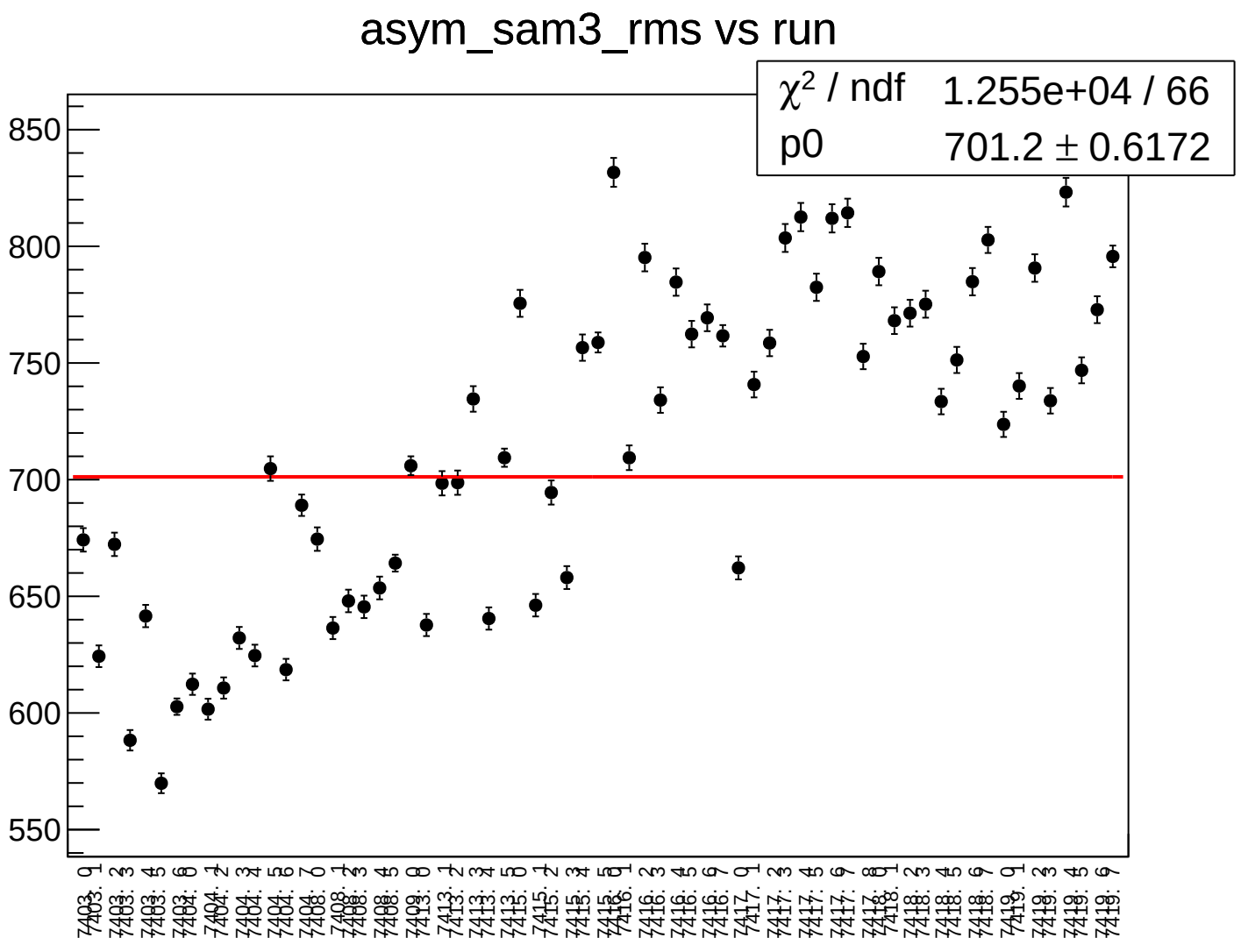

asym_sam3_correction_mean vs run
χ² / ndf 62.78 / 66
p0 −547.5 ± 892.6
30000
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 124.9
Std Dev 86.74
3
2
1
0
−1
−2

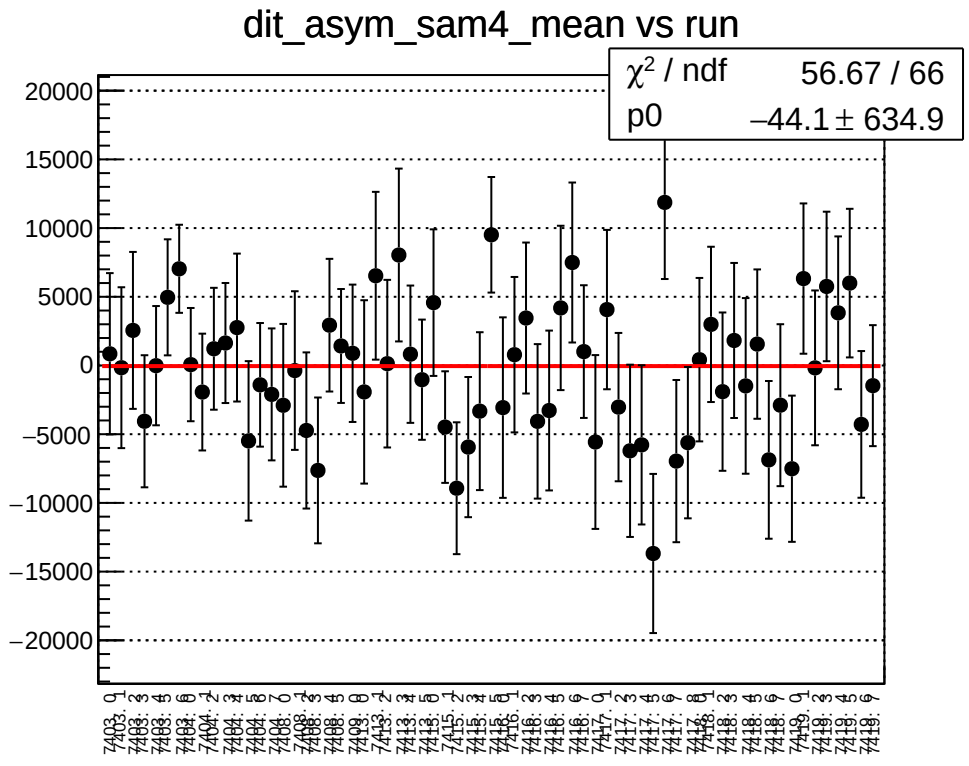

pull1D
Entries 67
Mean −0.01921
Std Dev 0.9678
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

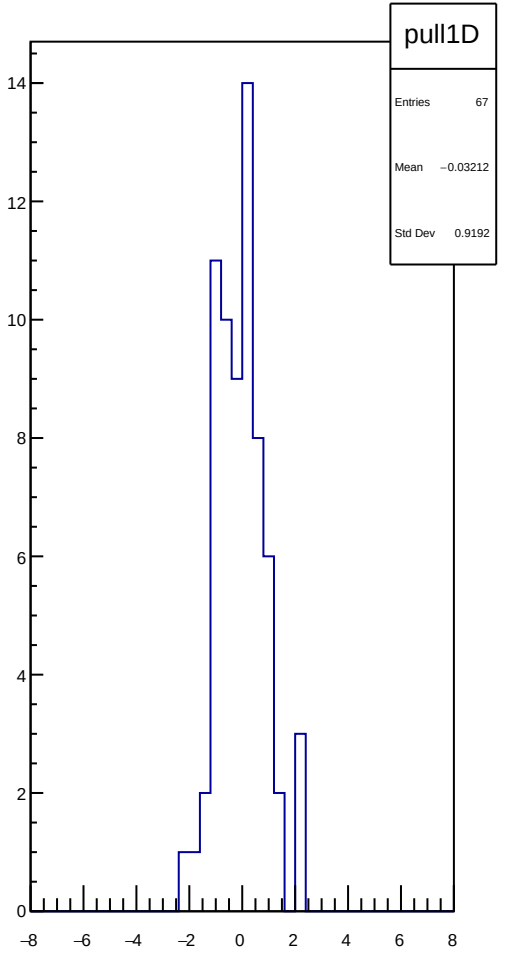

asym_sam3_correction_rms vs run
χ² / ndf 1993 / 66
p0 719.9 ± 0.6311
800
780
760
740
720
700
680
660

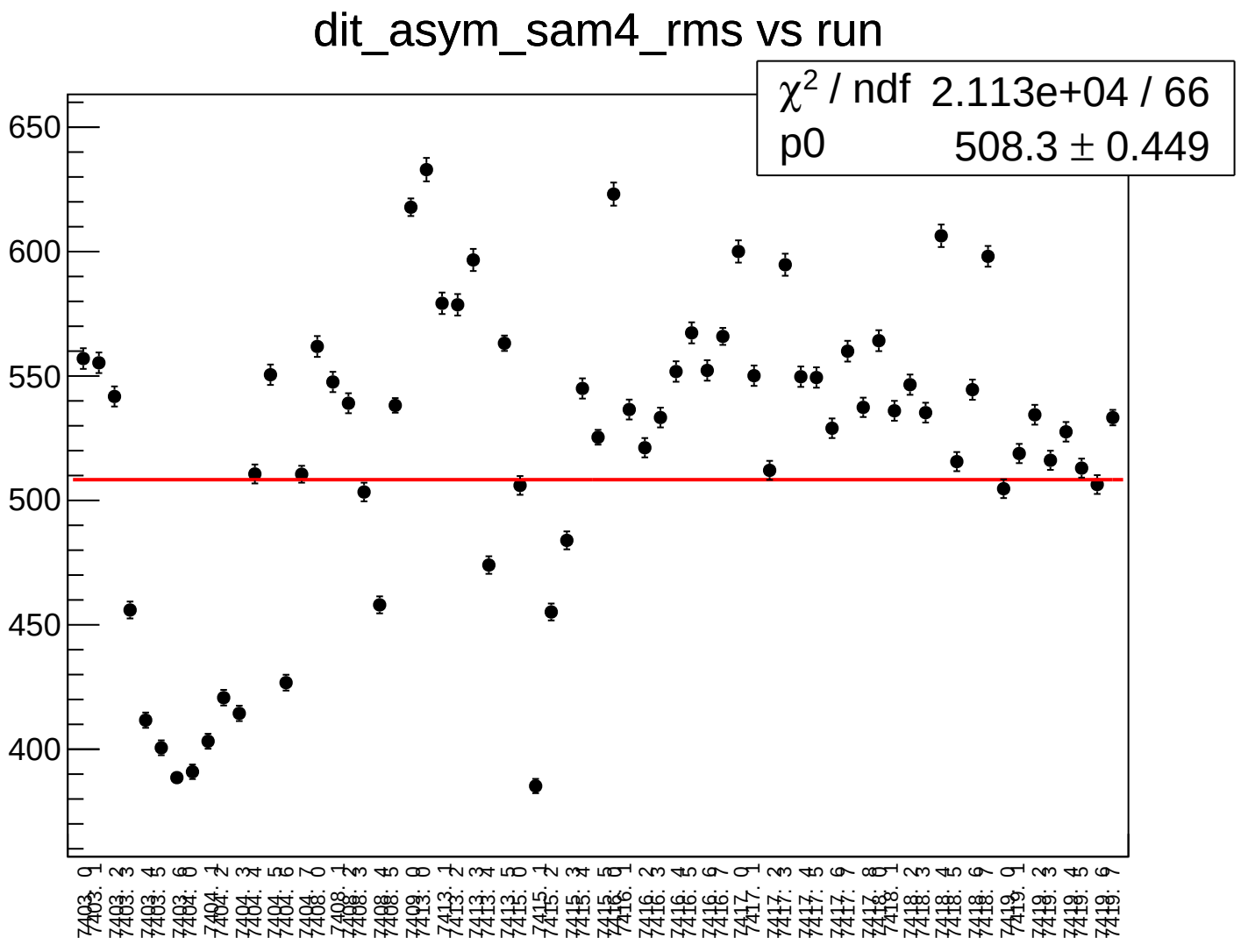

asym_sam3_mean vs run
χ² / ndf 66.96 / 66
p0 354 ± 872.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 84
Std Dev 43.58
2
1
0
−1
−2
−3

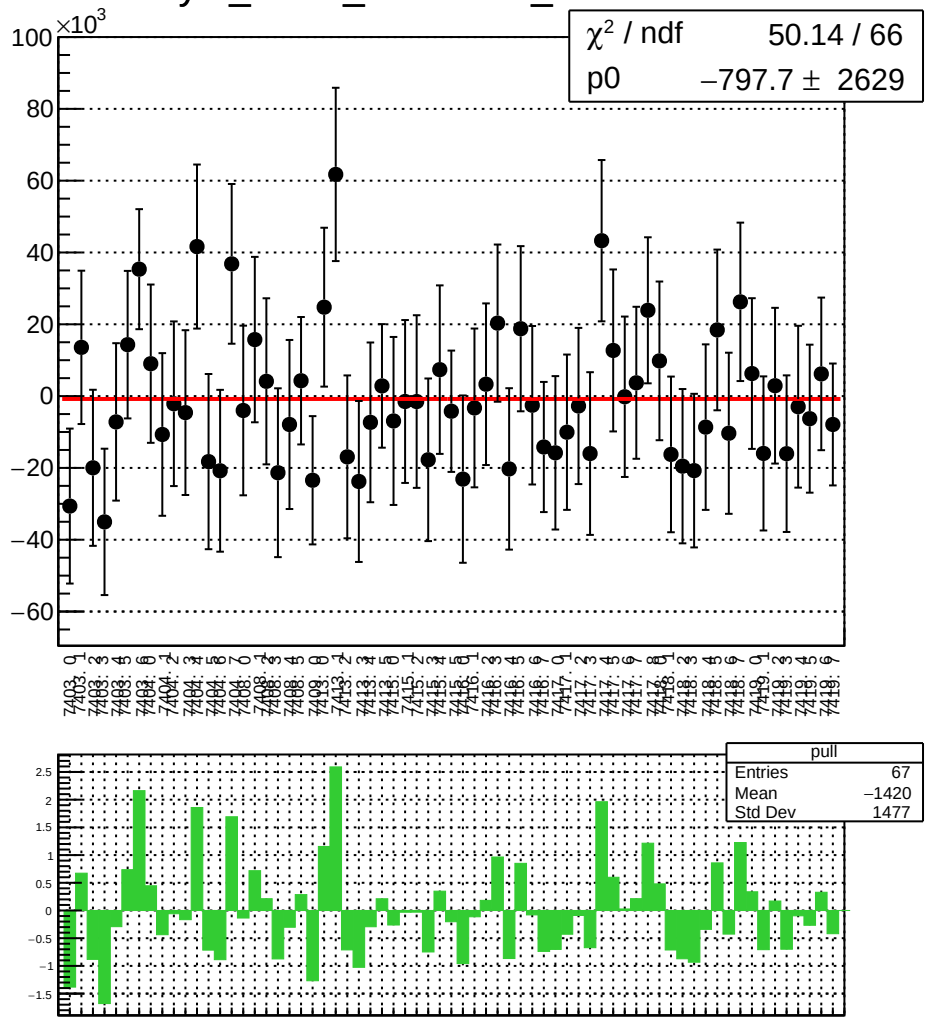

pull1D
Entries 67
Mean 0.03918
Std Dev 0.9989
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

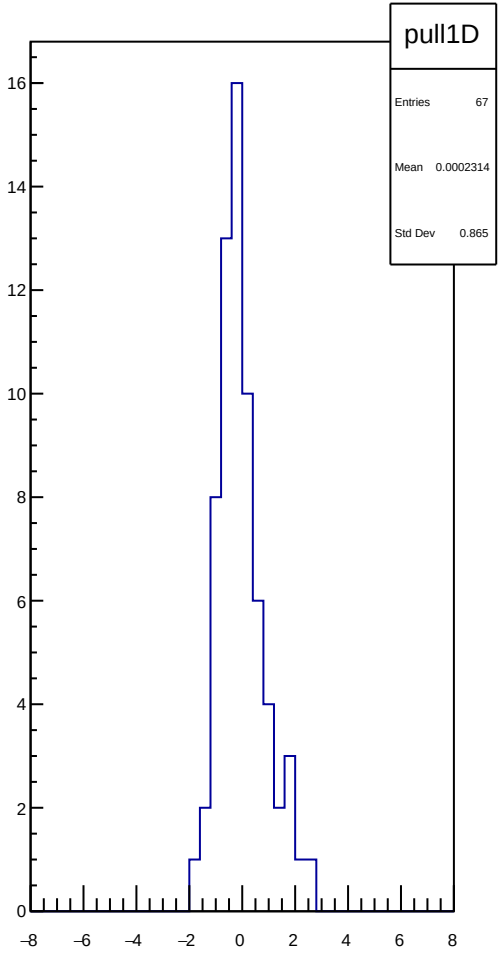

asym_sam3_rms vs run
χ² / ndf 1.255e+04 / 66
p0 701.2 ± 0.6172
850
800
750
700
650
600
550

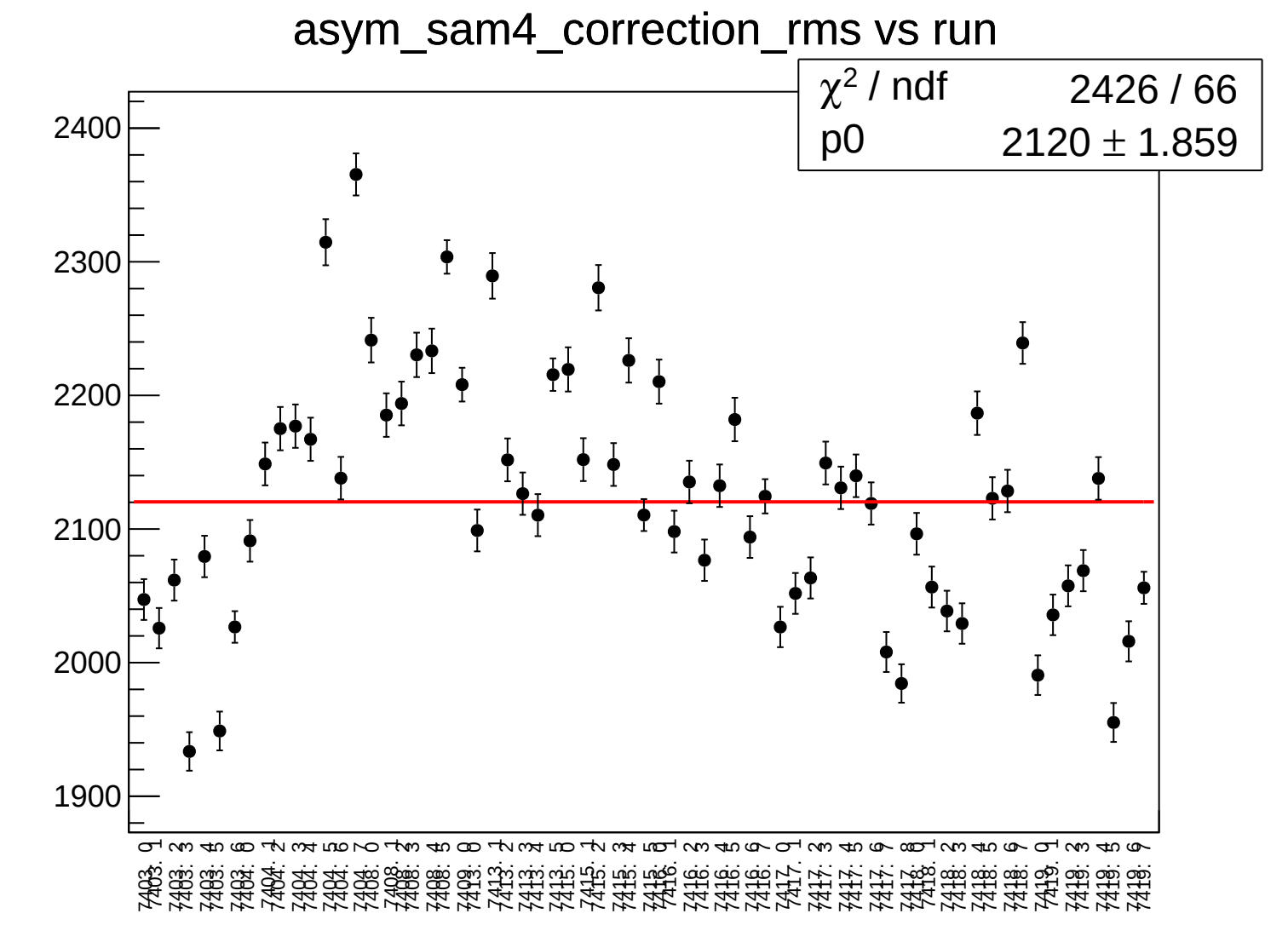

dit_asym_sam4_mean vs run
χ² / ndf 56.67 / 66
p0 −44.1 ± 634.9
pull
Entries 67
Mean 75
Std Dev 48.88

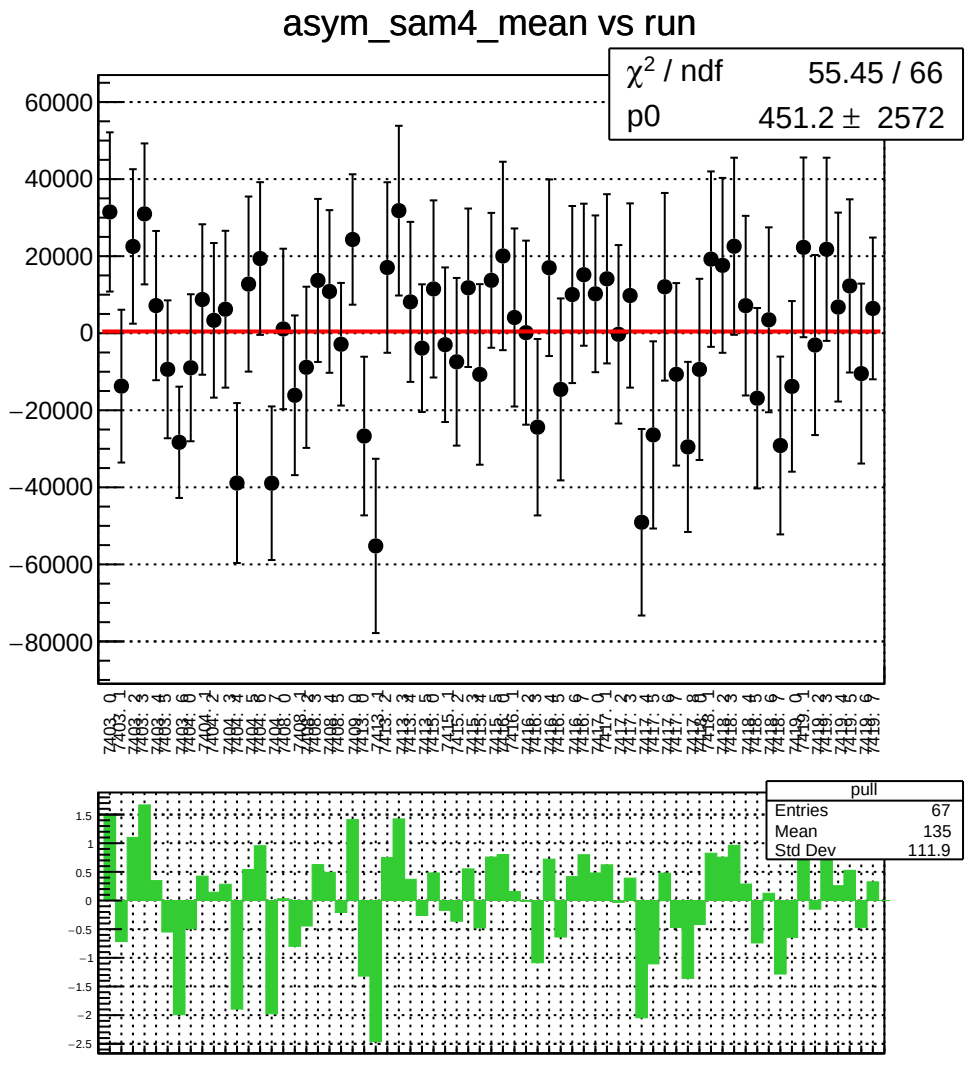

pull1D
Entries 67
Mean −0.03212
Std Dev 0.9192

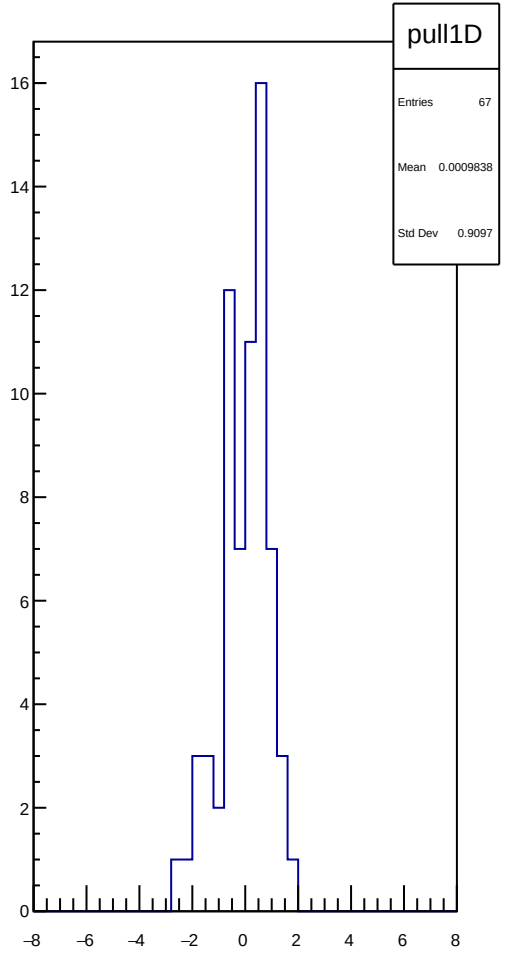

dit_asym_sam4_rms vs run
χ² / ndf 2.113e+04 / 66
p0 508.3 ± 0.449
650
600
550
500
450
400

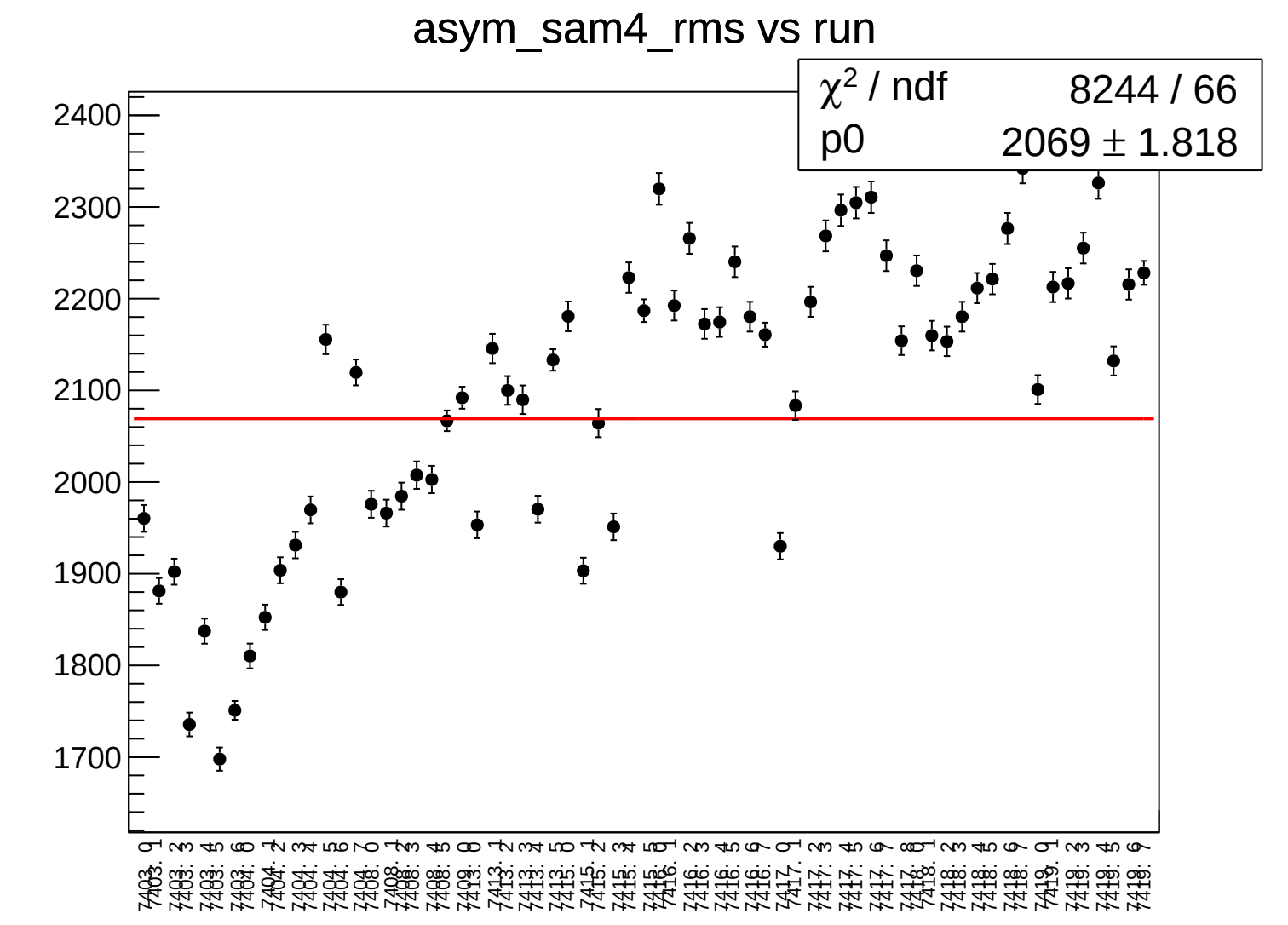

asym_sam4_correction_mean vs run
χ² / ndf 50.14 / 66
p0 −797.7 ± 2629
×10³
pull
Entries 67
Mean −1420
Std Dev 1477

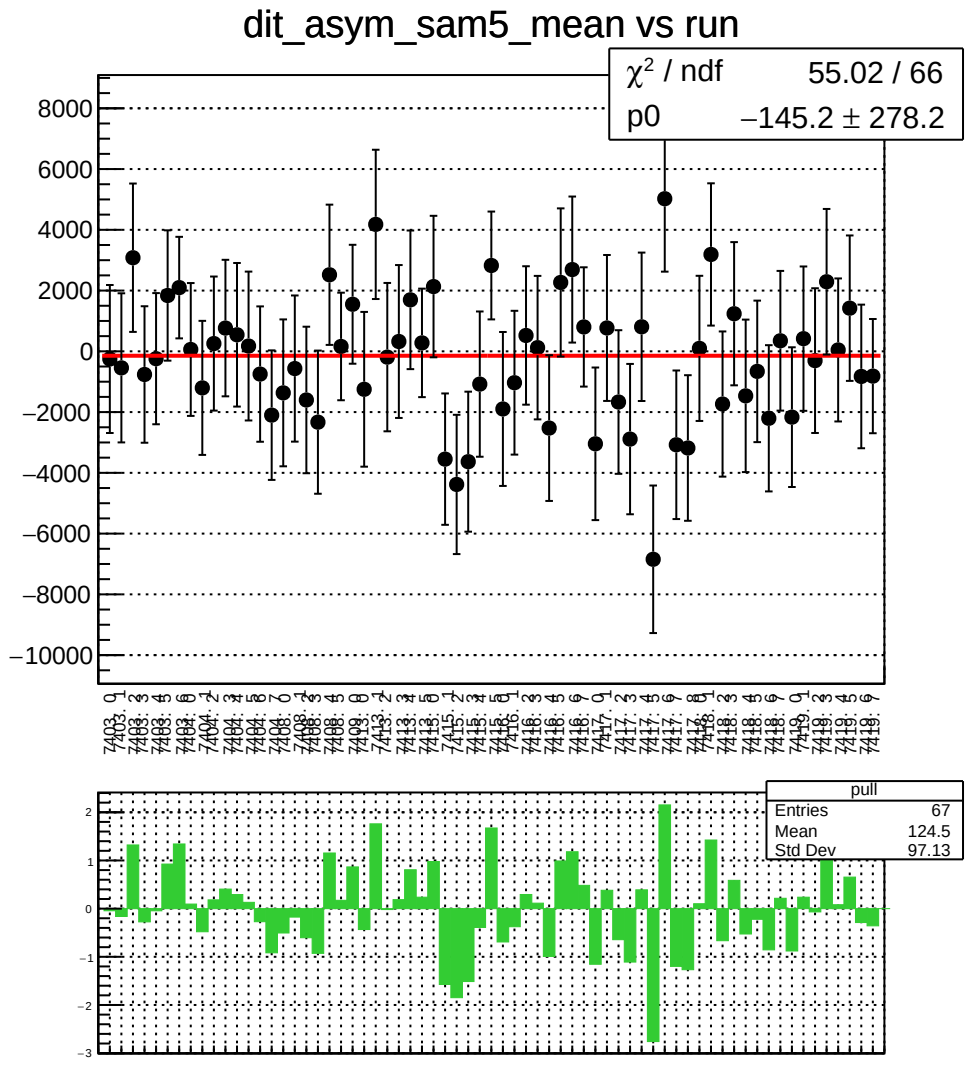

pull1D
Entries 67
Mean 0.0002314
Std Dev 0.865

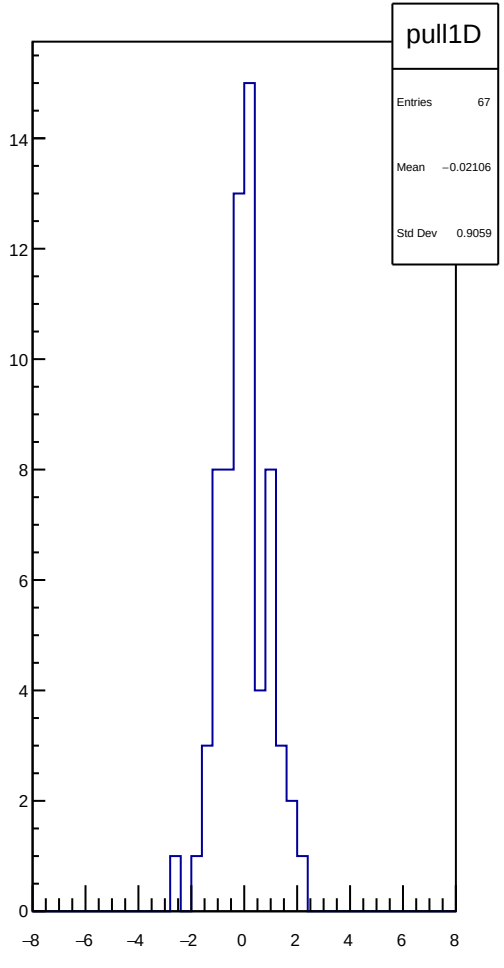

asym_sam4_correction_rms vs run
χ² / ndf 2426 / 66
p0 2120 ± 1.859
2400
2300
2200
2100
2000
1900

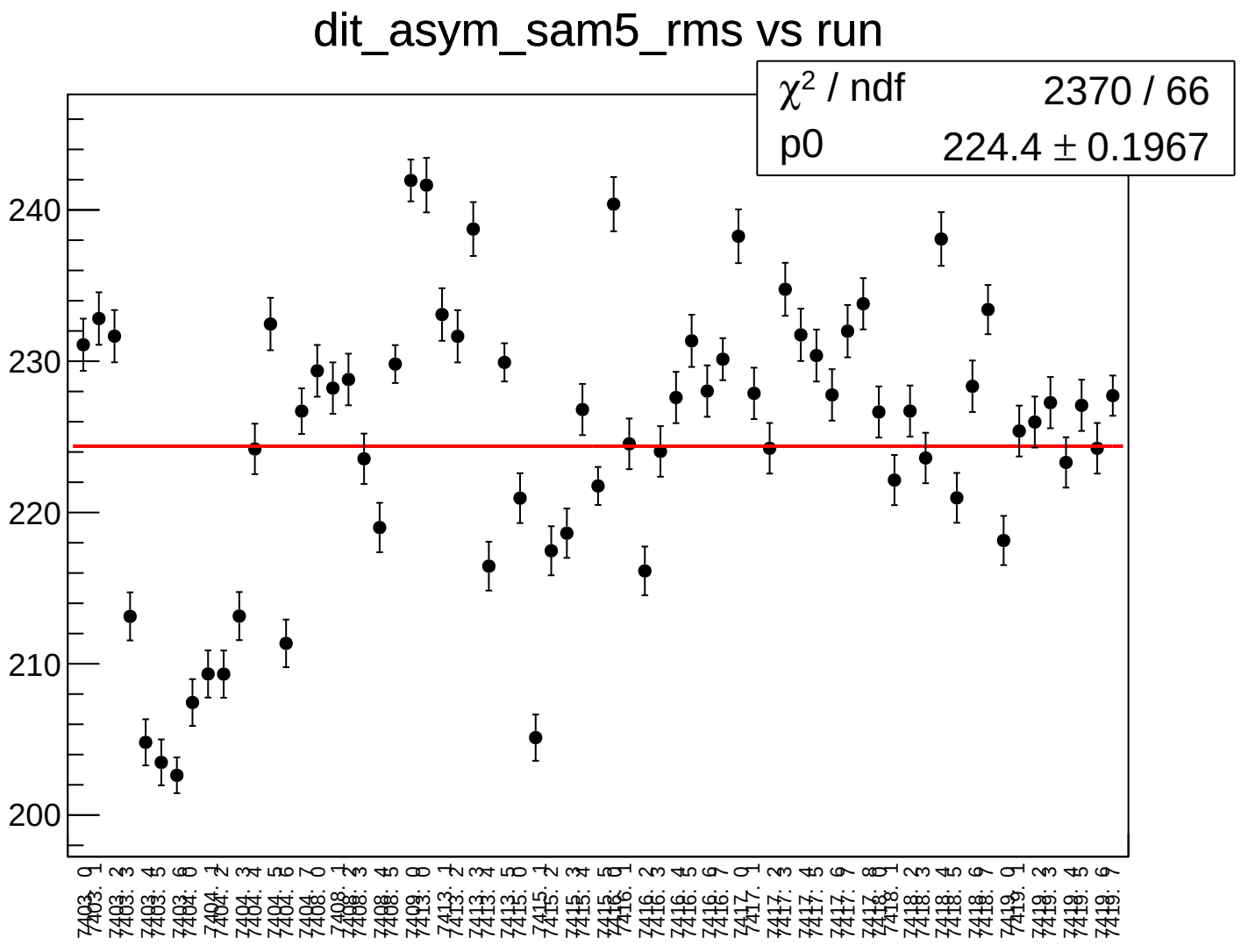

asym_sam4_mean vs run
χ² / ndf 55.45 / 66
p0 451.2 ± 2572
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 67
Mean 135
Std Dev 111.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

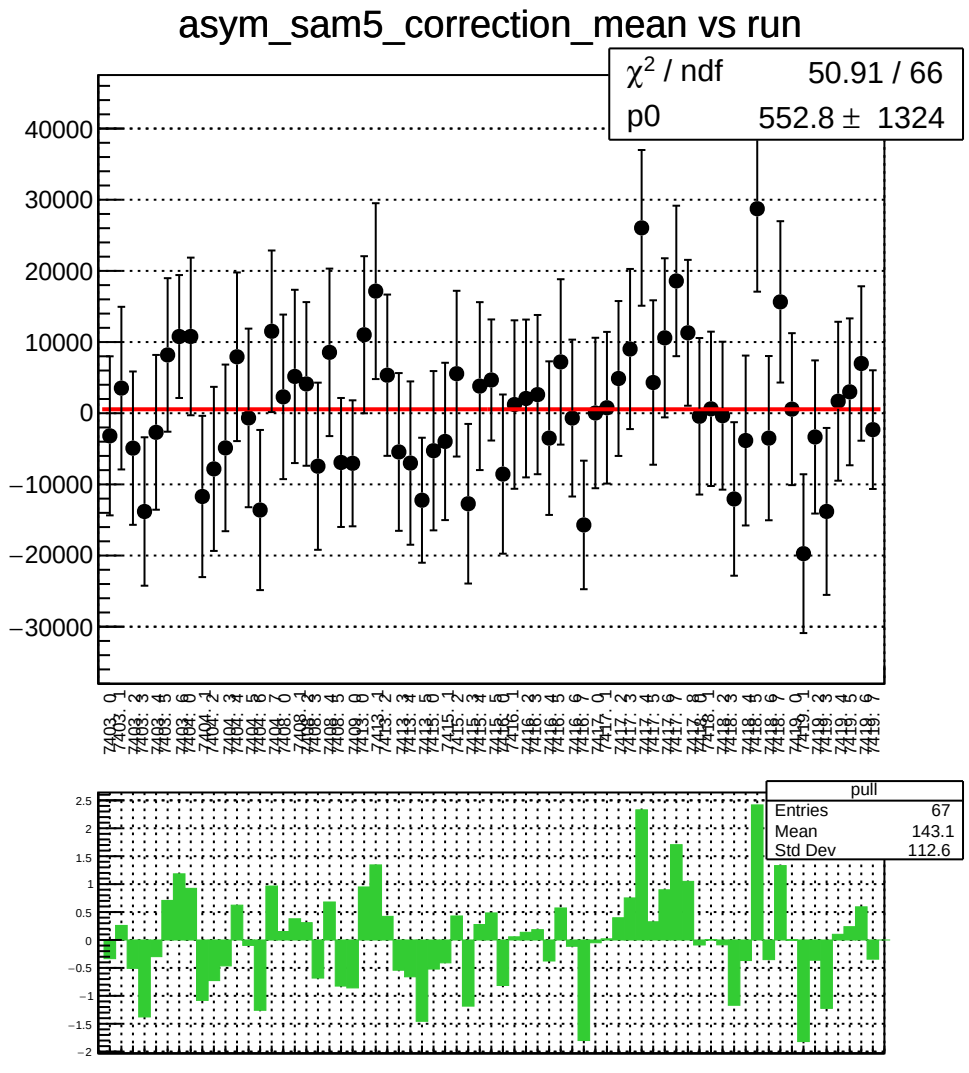

pull1D
Entries 67
Mean 0.0009838
Std Dev 0.9097
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

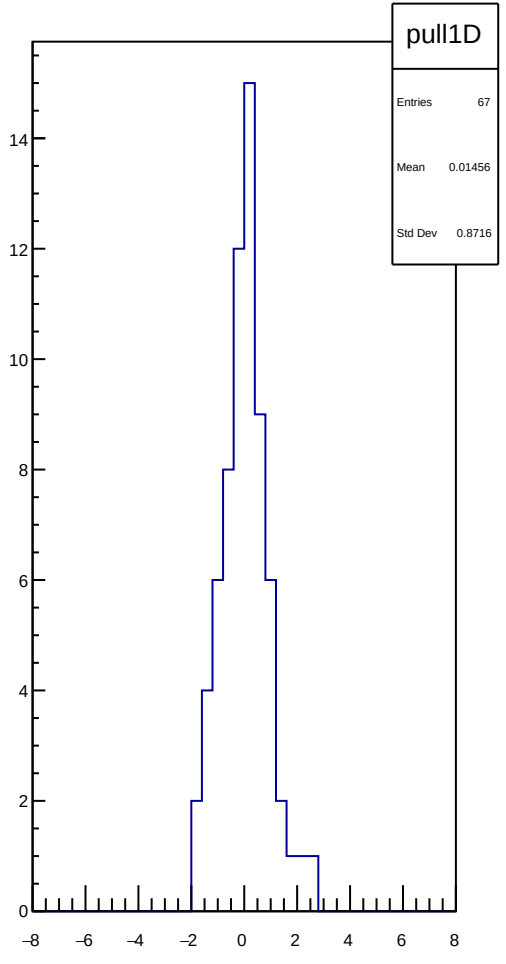

asym_sam4_rms vs run
χ² / ndf 8244 / 66
p0 2069 ± 1.818
2400
2300
2200
2100
2000
1900
1800
1700

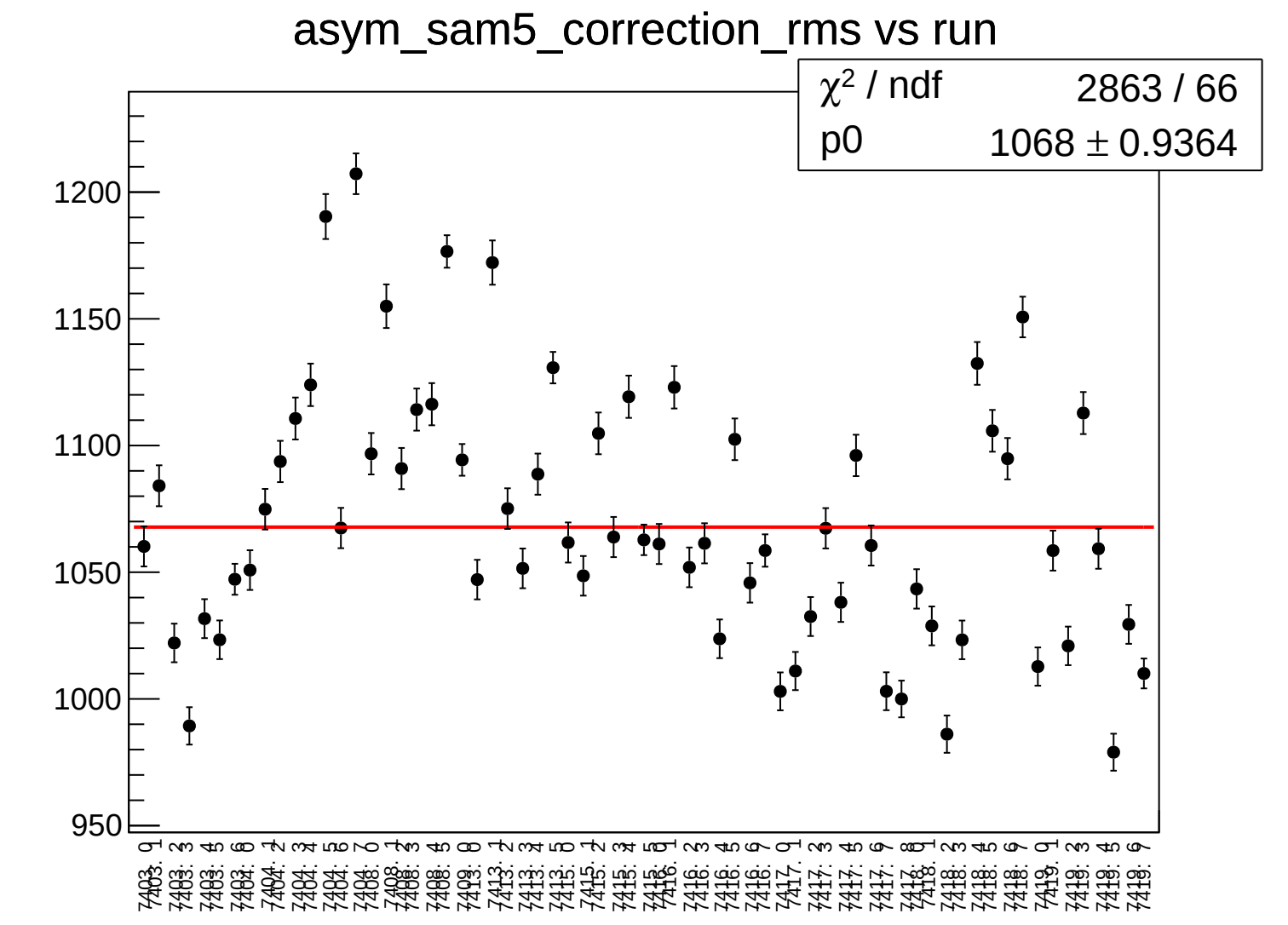

dit_asym_sam5_mean vs run
χ² / ndf 55.02 / 66
p0 −145.2 ± 278.2
pull
Entries 67
Mean 124.5
Std Dev 97.13

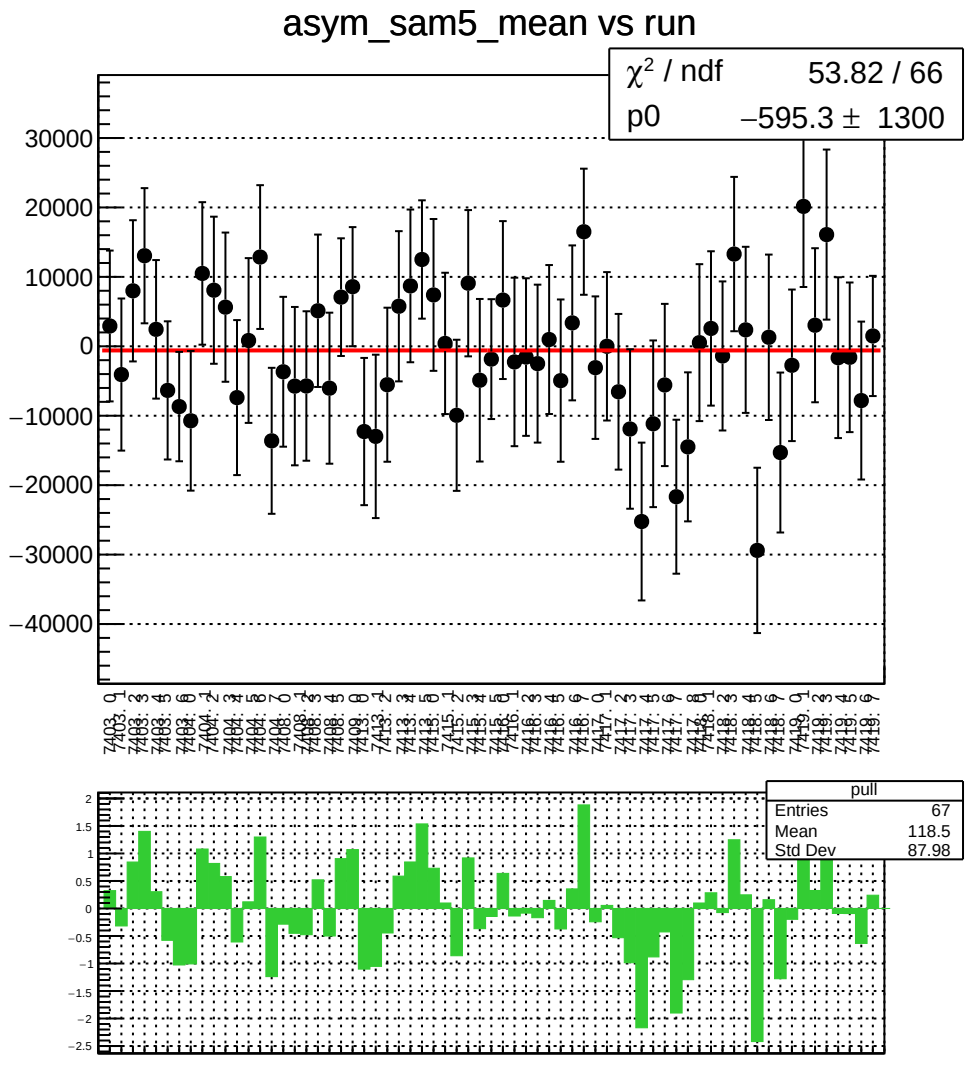

pull1D
Entries 67
Mean −0.02106
Std Dev 0.9059

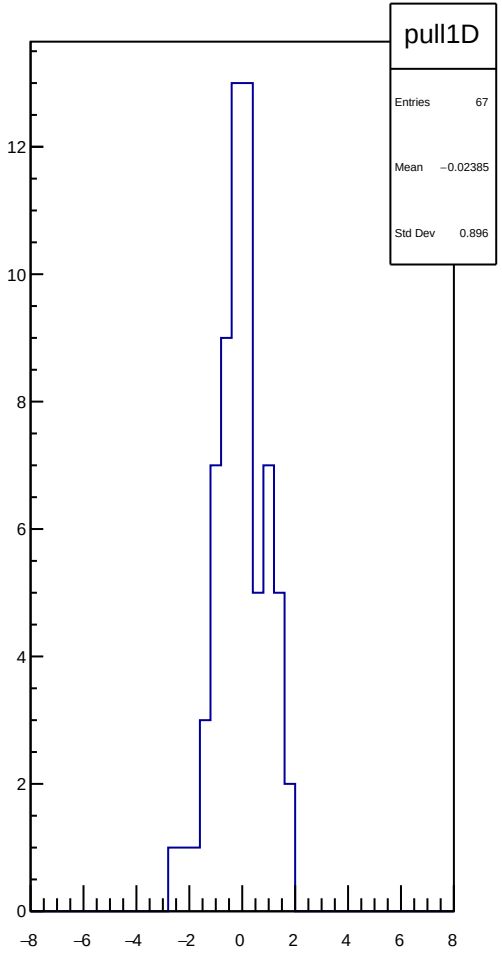

dit_asym_sam5_rms vs run
χ² / ndf 2370 / 66
p0 224.4 ± 0.1967
240
230
220
210
200

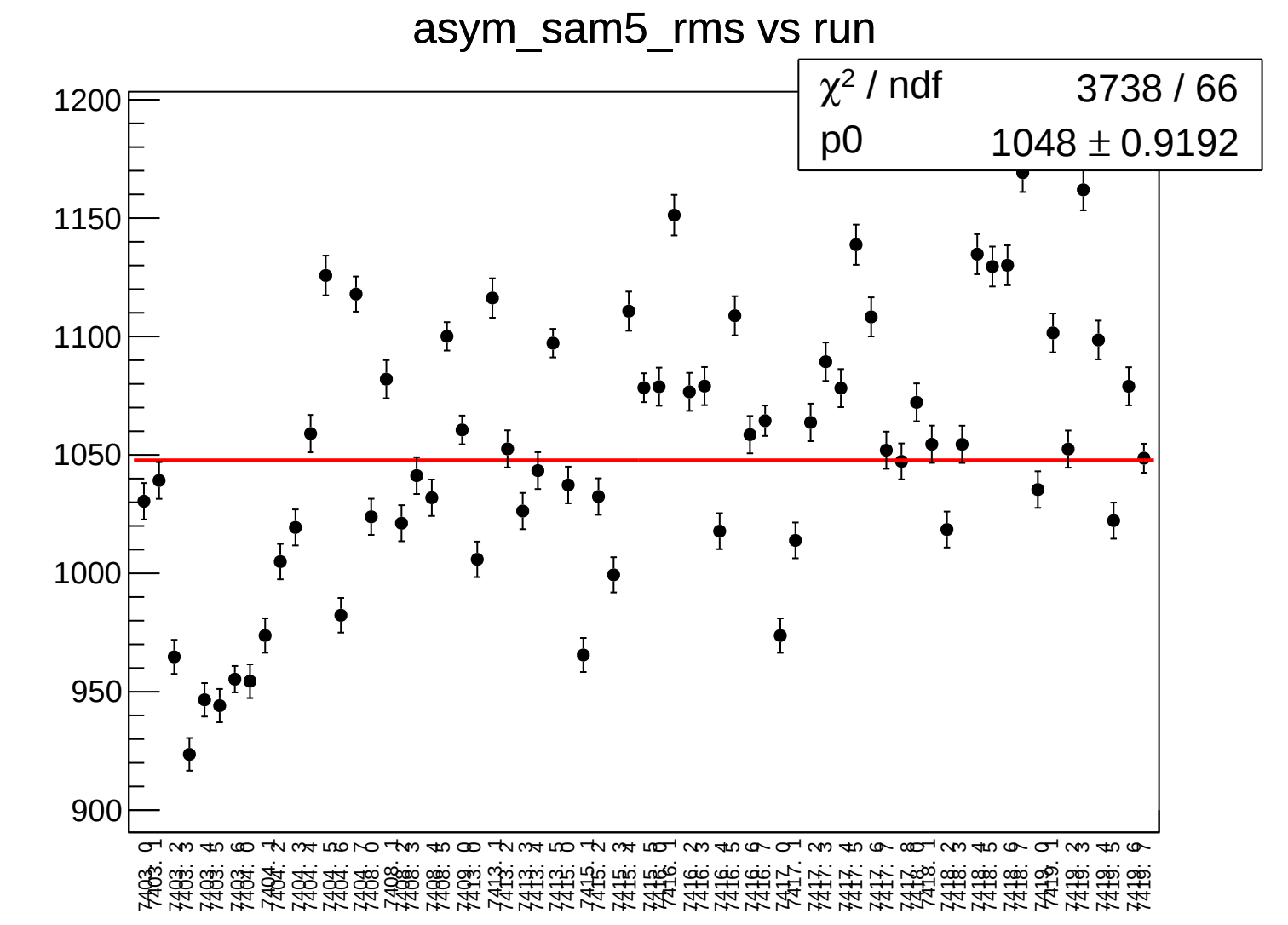

asym_sam5_correction_mean vs run
χ² / ndf 50.91 / 66
p0 552.8 ± 1324
pull
Entries 67
Mean 143.1
Std Dev 112.6

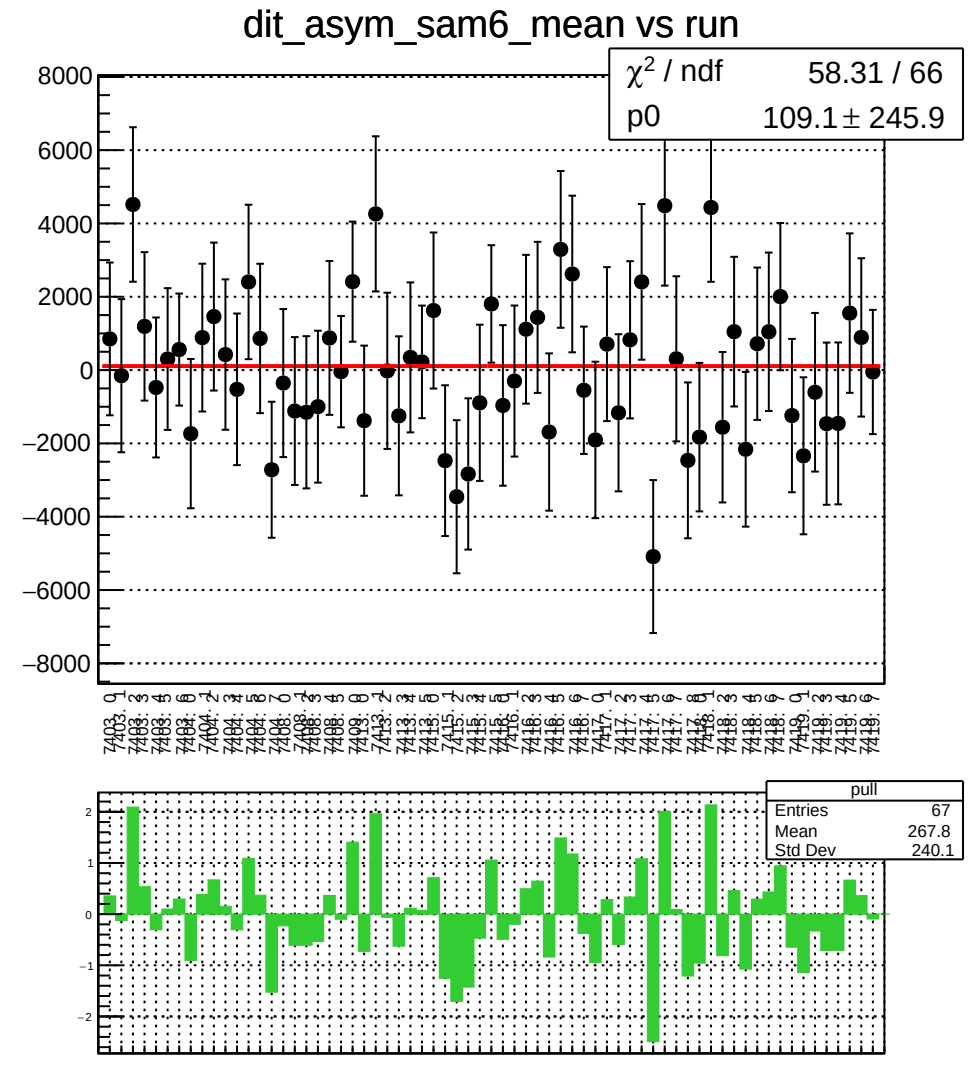

pull1D
Entries 67
Mean 0.01456
Std Dev 0.8716

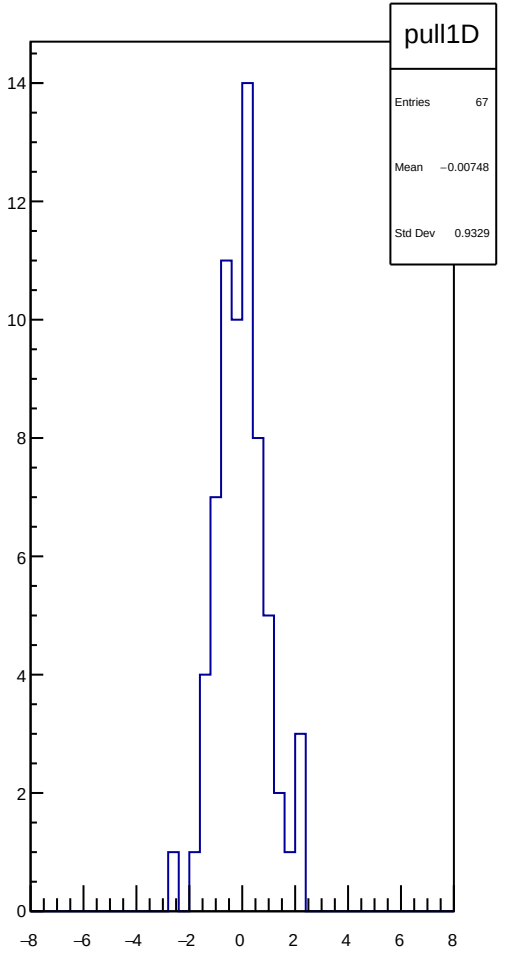

asym_sam5_correction_rms vs run
χ² / ndf 2863 / 66
p0 1068 ± 0.9364
1200
1150
1100
1050
1000
950

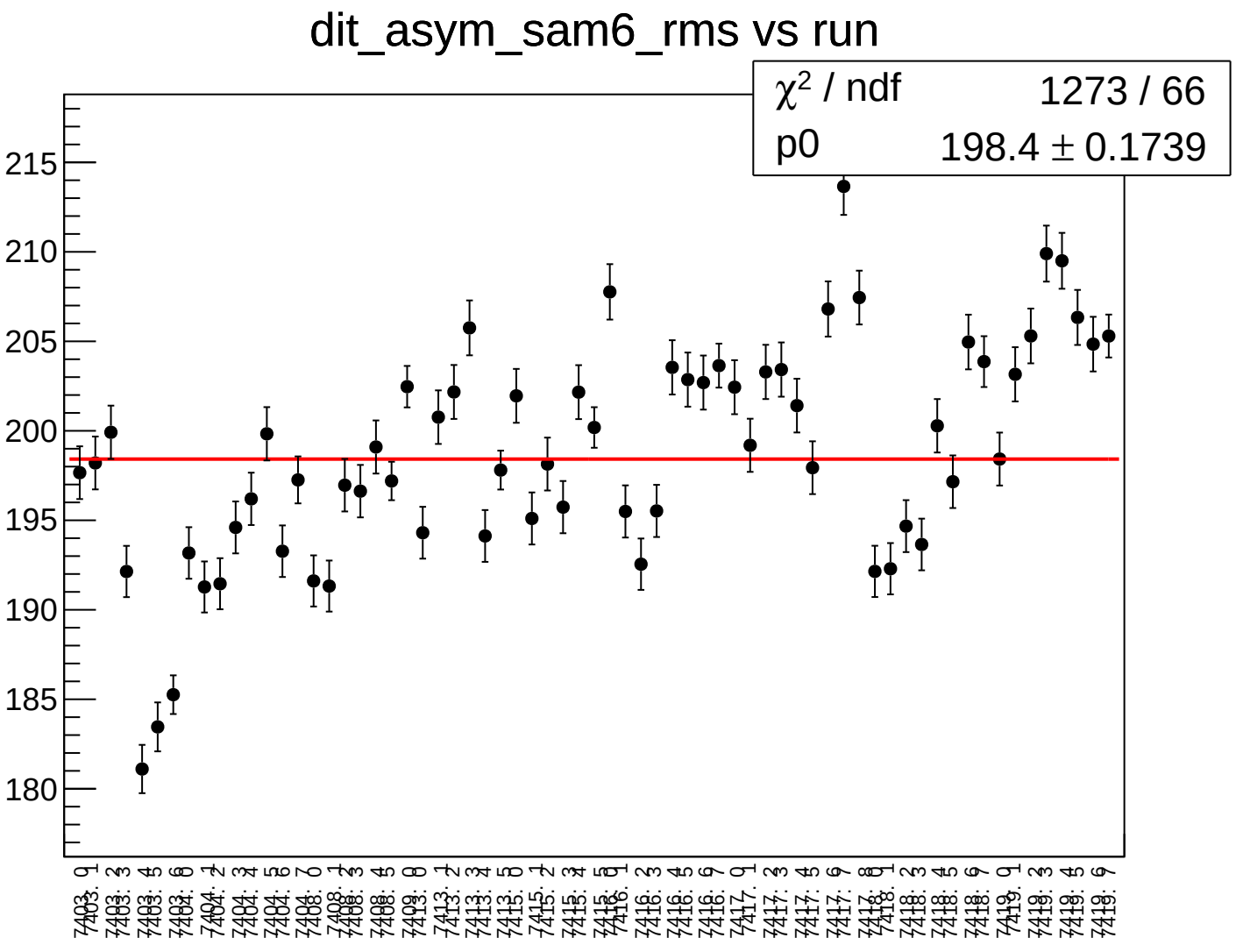

asym_sam5_mean vs run
χ² / ndf 53.82 / 66
p0 −595.3 ± 1300
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 67
Mean 118.5
Std Dev 87.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

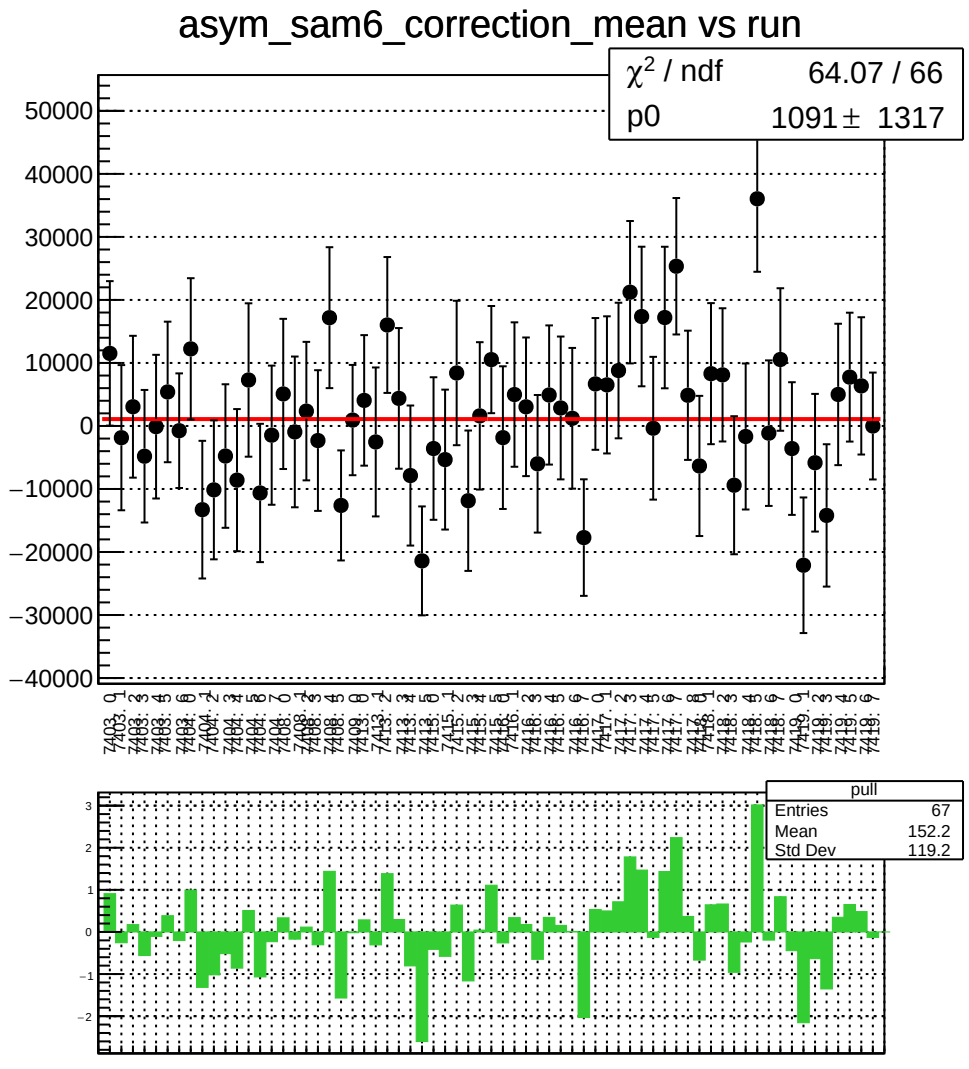

pull1D
Entries 67
Mean −0.02385
Std Dev 0.896
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

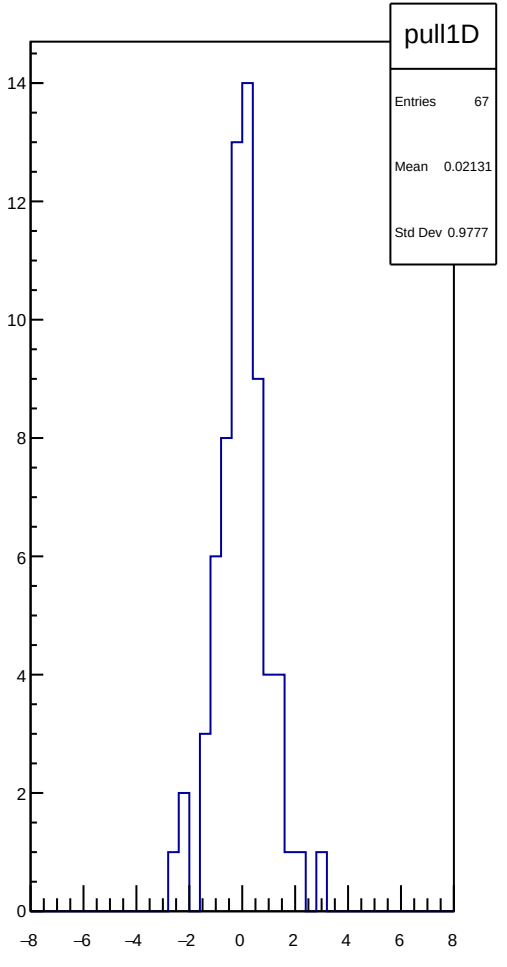

asym_sam5_rms vs run
χ² / ndf 3738 / 66
p0 1048 ± 0.9192
1200
1150
1100
1050
1000
950
900

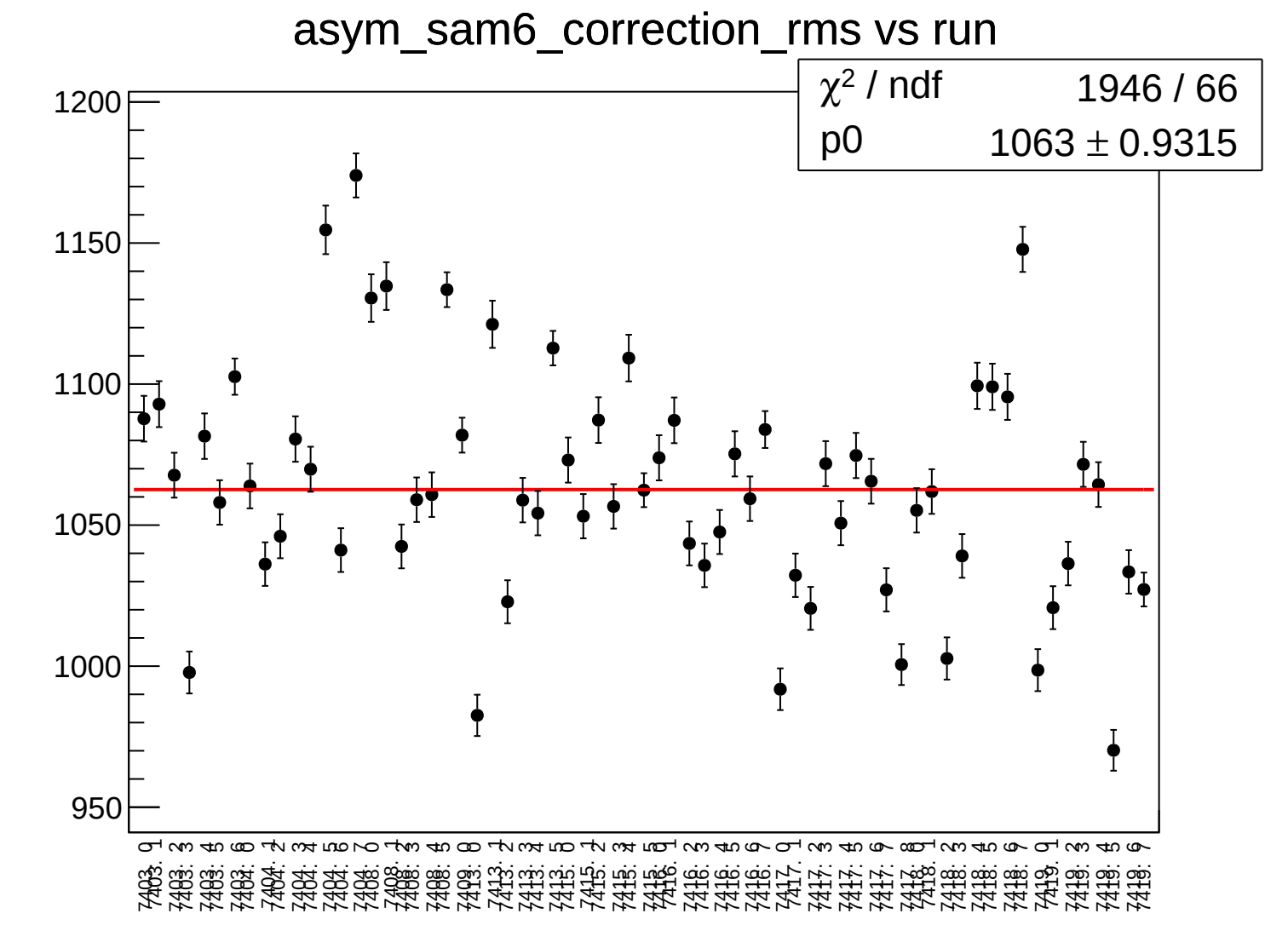

dit_asym_sam6_mean vs run
χ² / ndf 58.31 / 66
p0 109.1 ± 245.9
pull
Entries 67
Mean 267.8
Std Dev 240.1

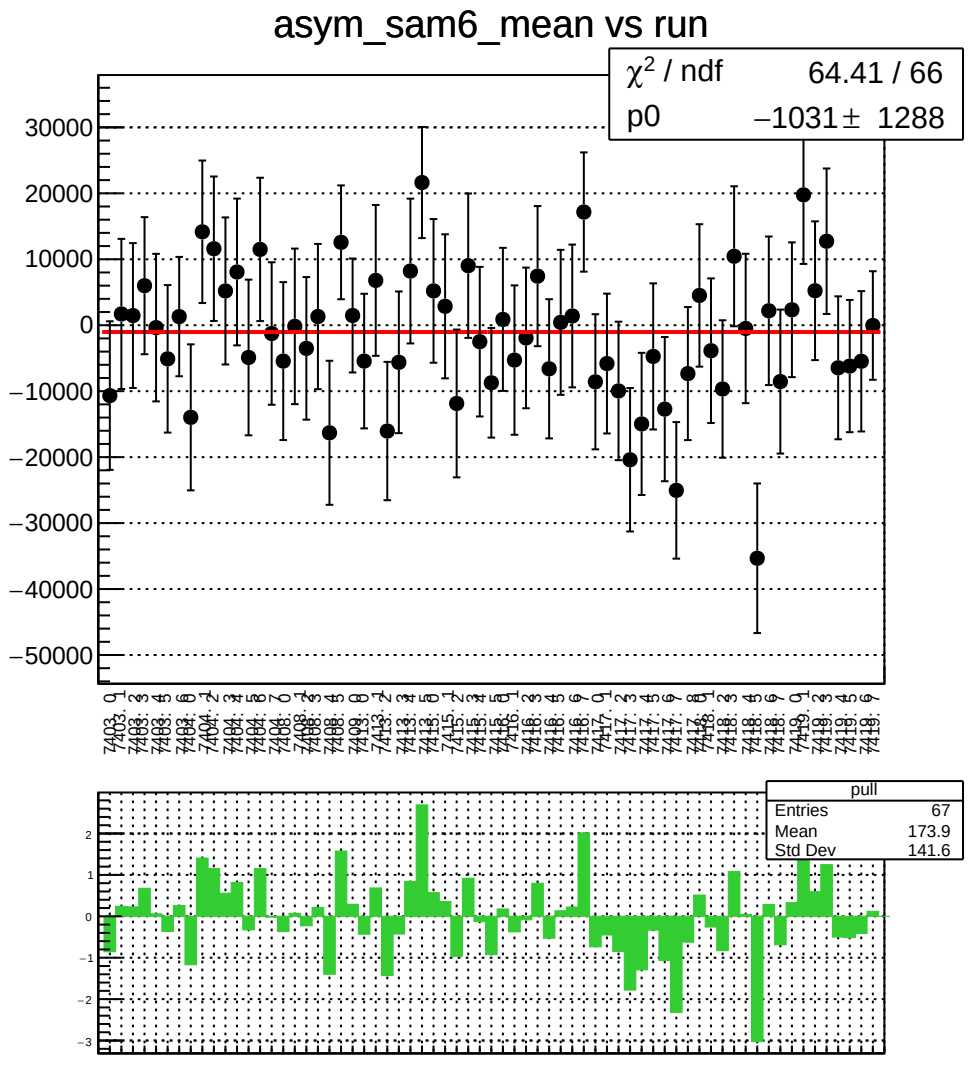

pull1D
Entries 67
Mean −0.00748
Std Dev 0.9329

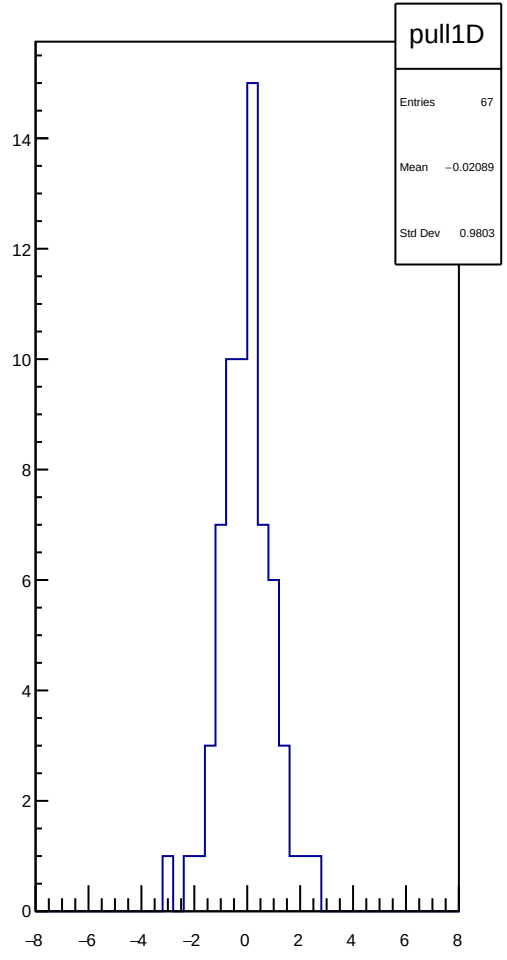

dit_asym_sam6_rms vs run
χ² / ndf 1273 / 66
p0 198.4 ± 0.1739
215
210
205
200
195
190
185
180

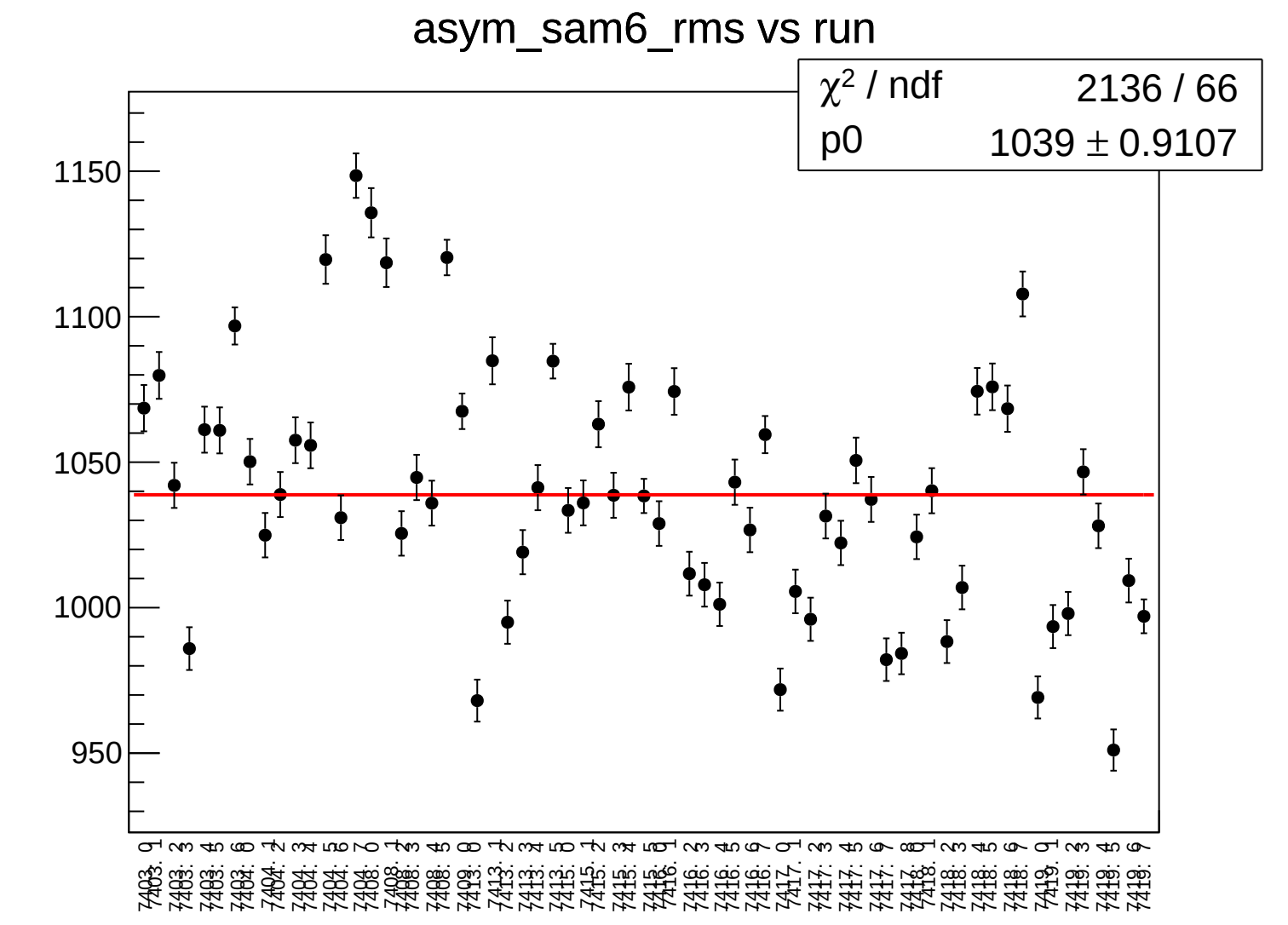

asym_sam6_correction_mean vs run
χ² / ndf 64.07 / 66
p0 1091 ± 1317
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 67
Mean 152.2
Std Dev 119.2
3
2
1
0
−1
−2

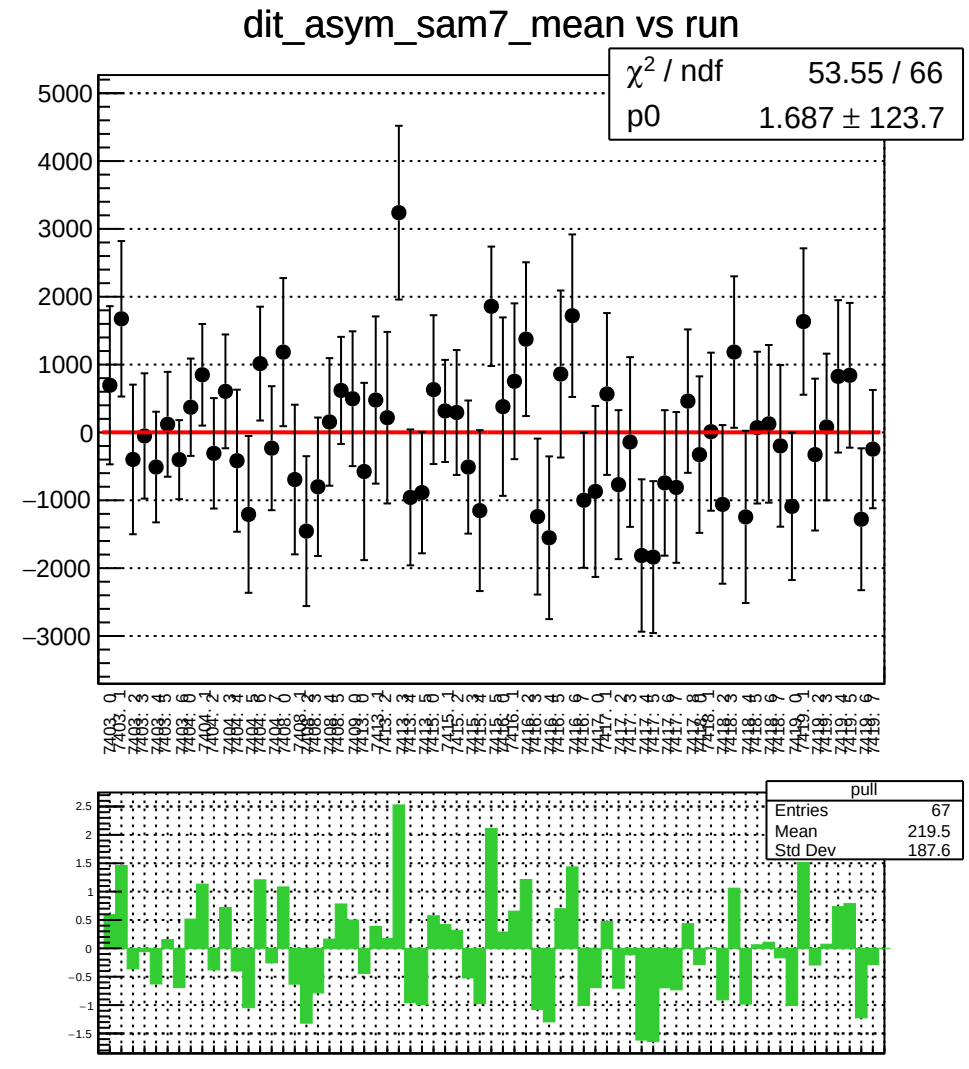

pull1D
Entries 67
Mean 0.02131
Std Dev 0.9777
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

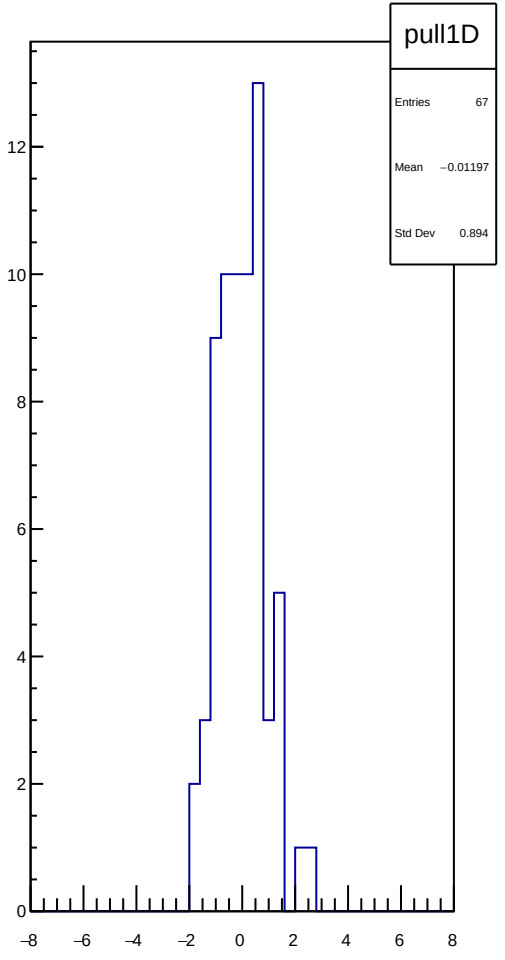

asym_sam6_correction_rms vs run
χ² / ndf 1946 / 66
p0 1063 ± 0.9315
1200
1150
1100
1050
1000
950

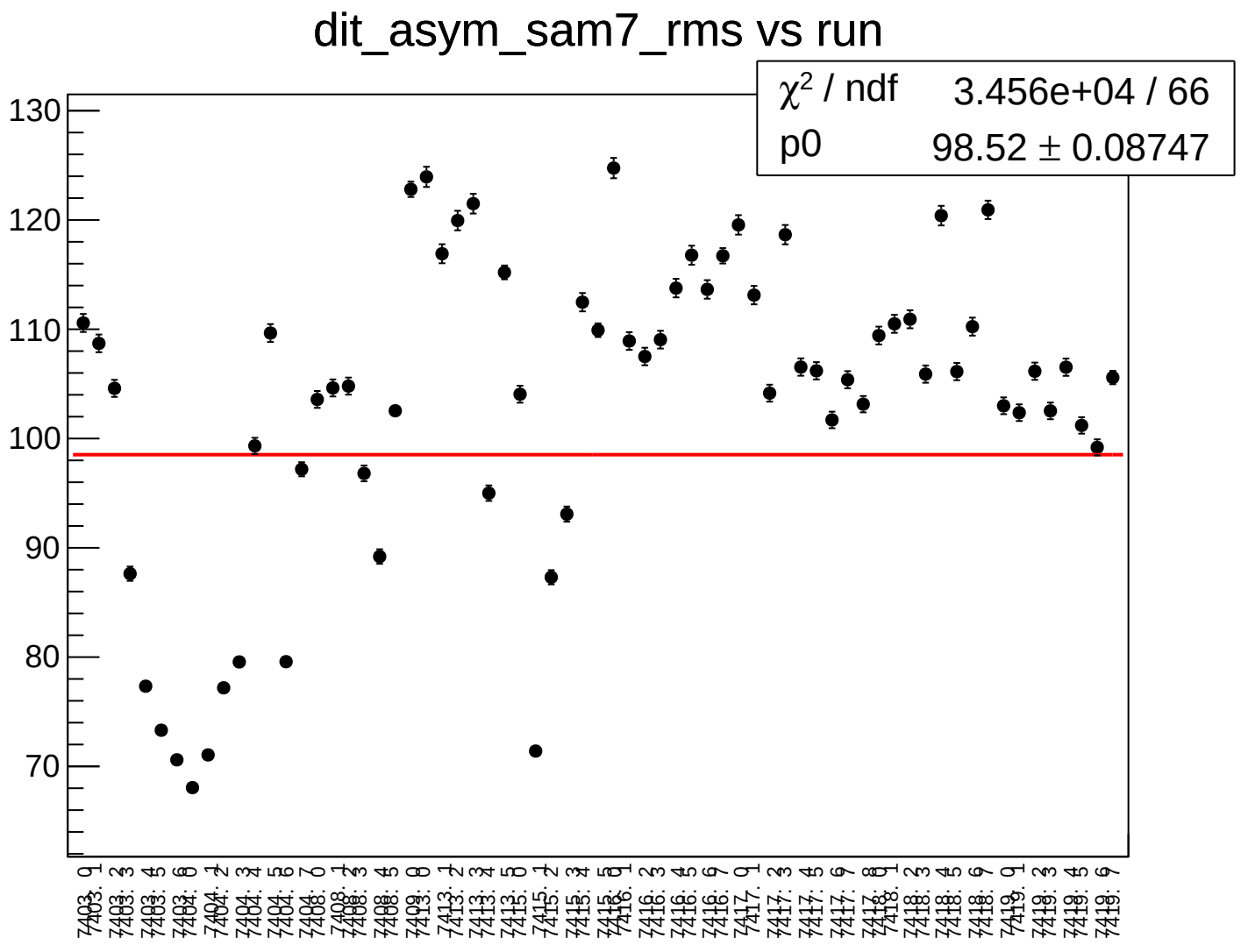

asym_sam6_mean vs run
χ² / ndf 64.41 / 66
p0 −1031 ± 1288
pull
Entries 67
Mean 173.9
Std Dev 141.6

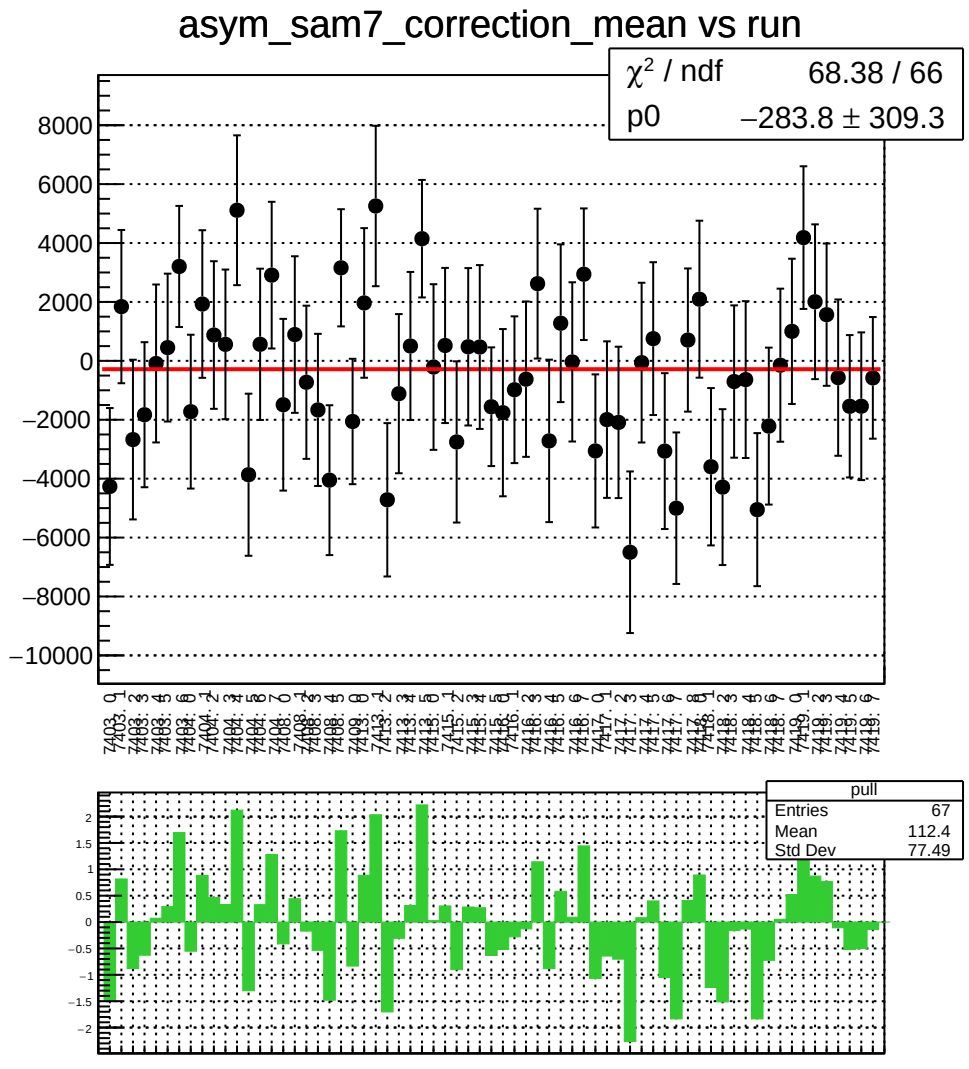

pull1D
Entries 67
Mean −0.02089
Std Dev 0.9803

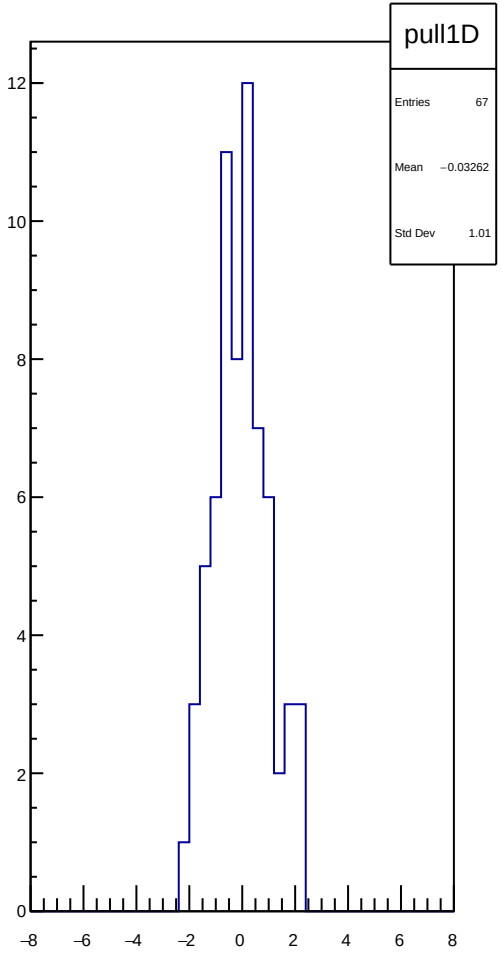

asym_sam6_rms vs run
χ² / ndf 2136 / 66
p0 1039 ± 0.9107
1150
1100
1050
1000
950

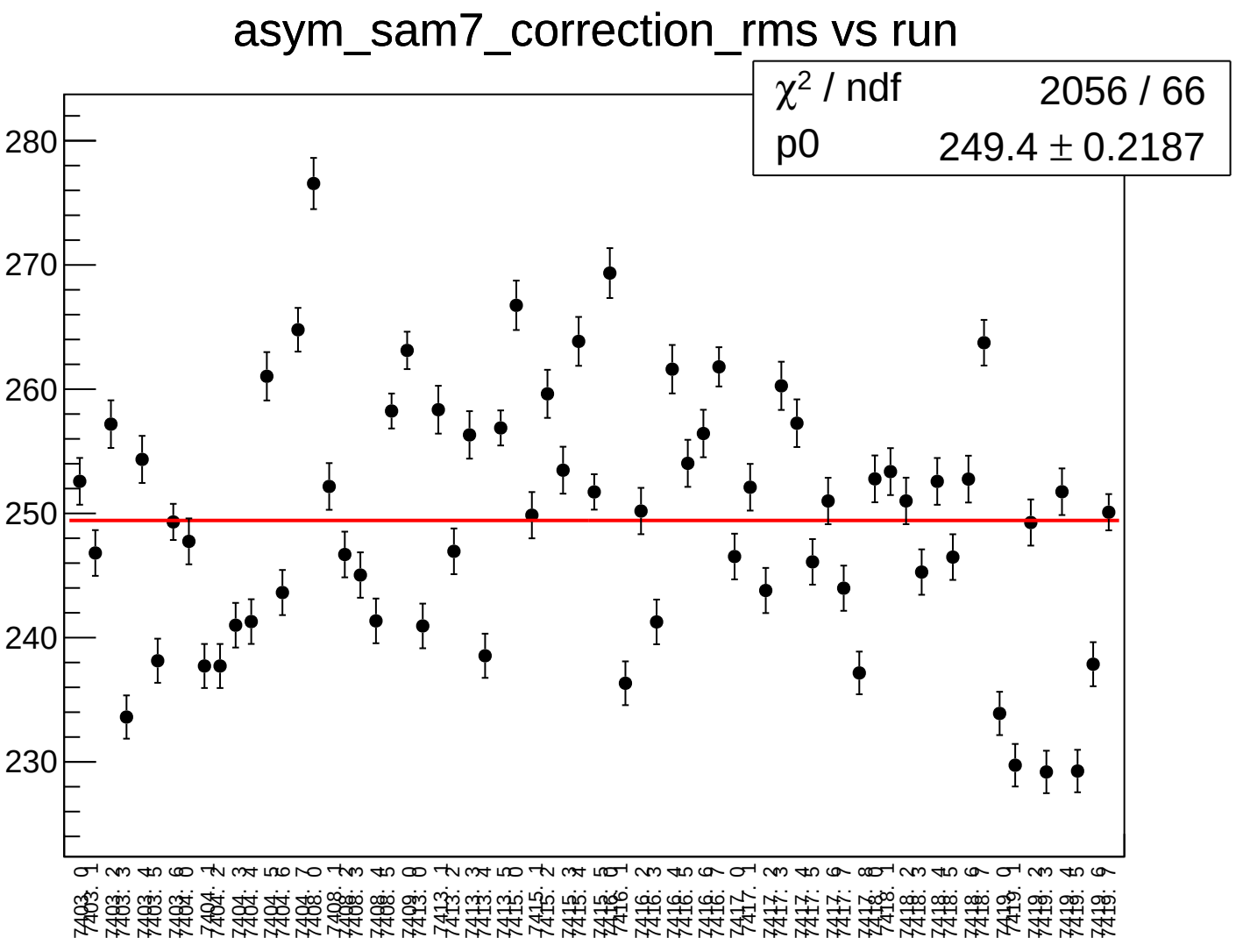

dit_asym_sam7_mean vs run
χ² / ndf 53.55 / 66
p0 1.687 ± 123.7
pull
Entries 67
Mean 219.5
Std Dev 187.6

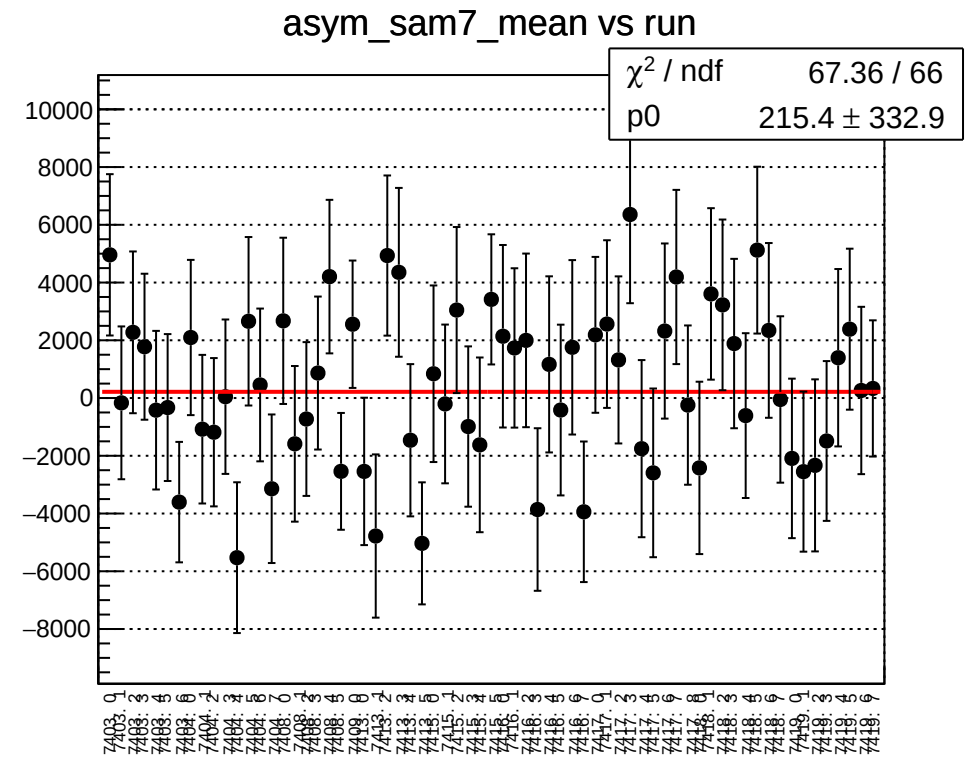

pull1D
Entries 67
Mean −0.01197
Std Dev 0.894

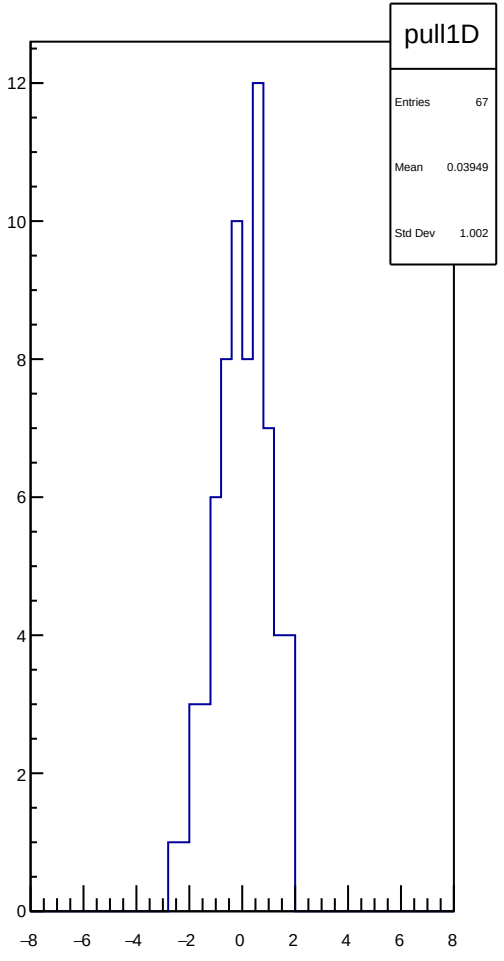

dit_asym_sam7_rms vs run
χ² / ndf 3.456e+04 / 66
p0 98.52 ± 0.08747
130
120
110
100
90
80
70

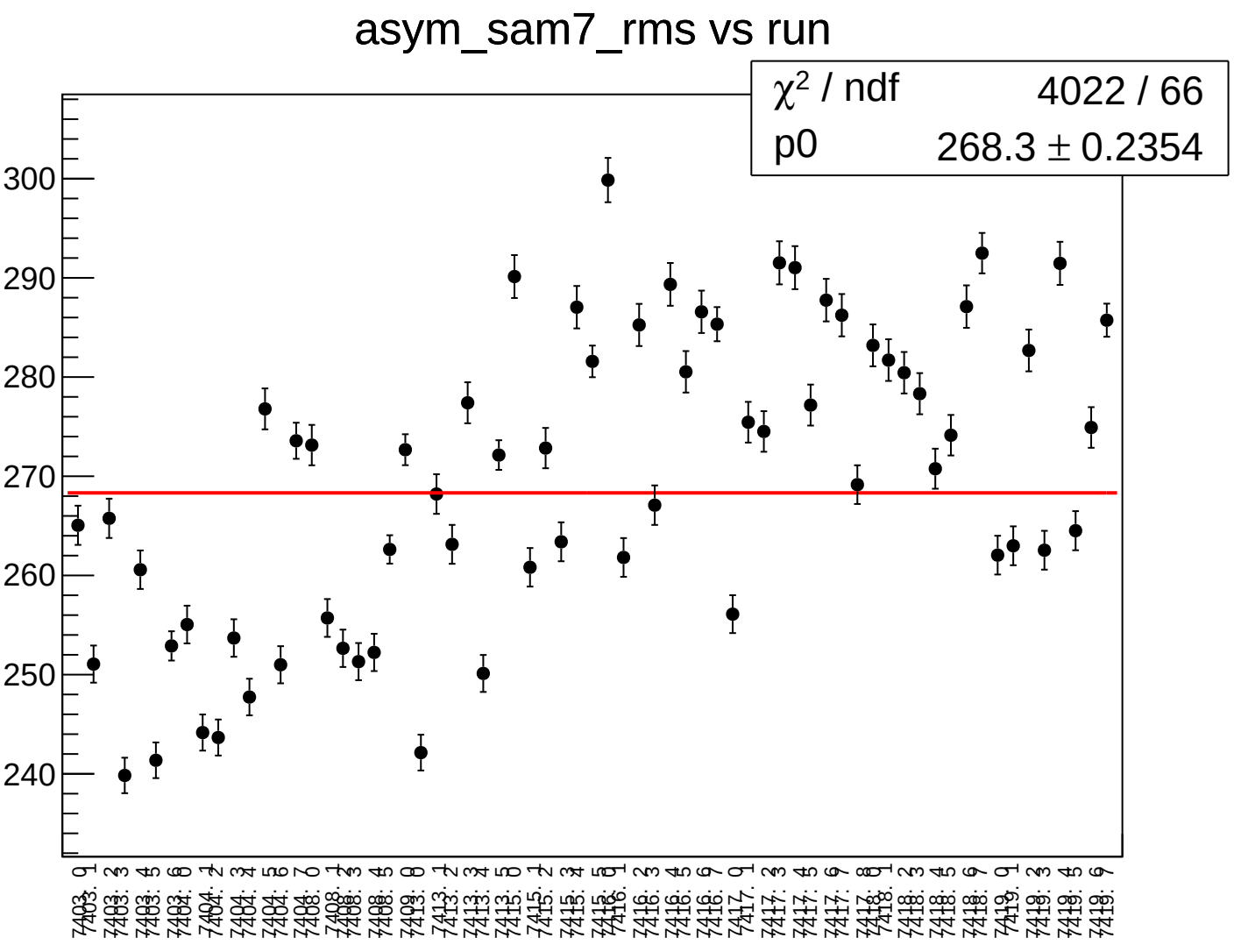

asym_sam7_correction_mean vs run
χ² / ndf 68.38 / 66
p0 −283.8 ± 309.3
pull
Entries 67
Mean 112.4
Std Dev 77.49

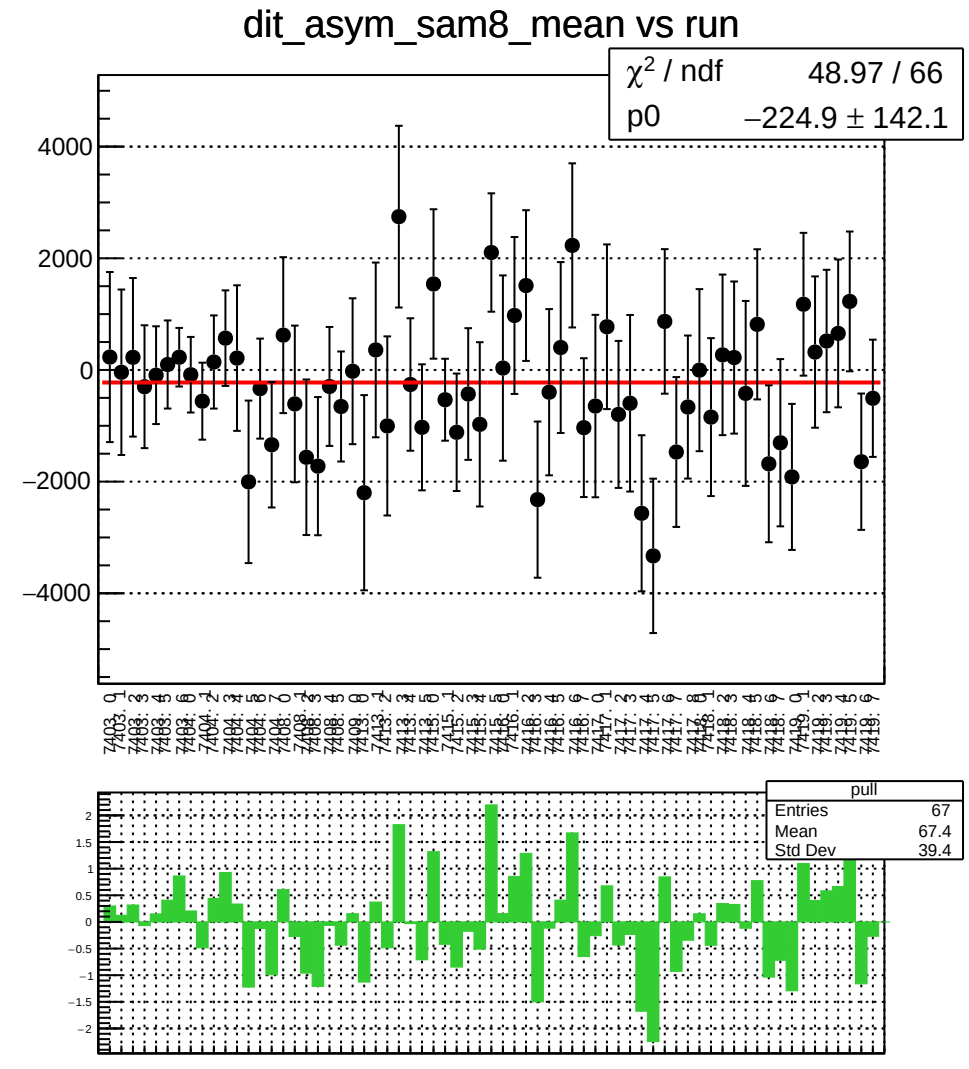

pull1D
Entries 67
Mean −0.03262
Std Dev 1.01

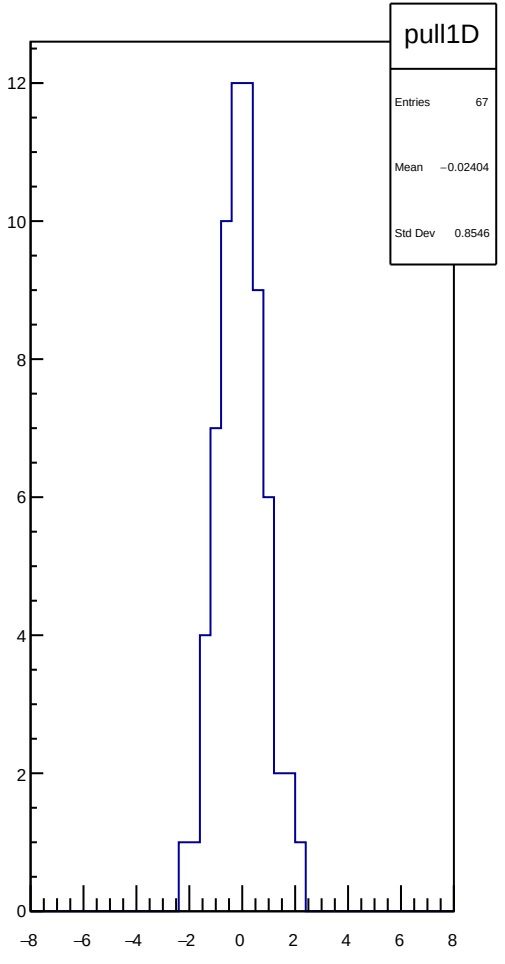

asym_sam7_correction_rms vs run
$\chi^2$ / ndf 2056 / 66
p0 249.4 ± 0.2187
280
270
260
250
240
230

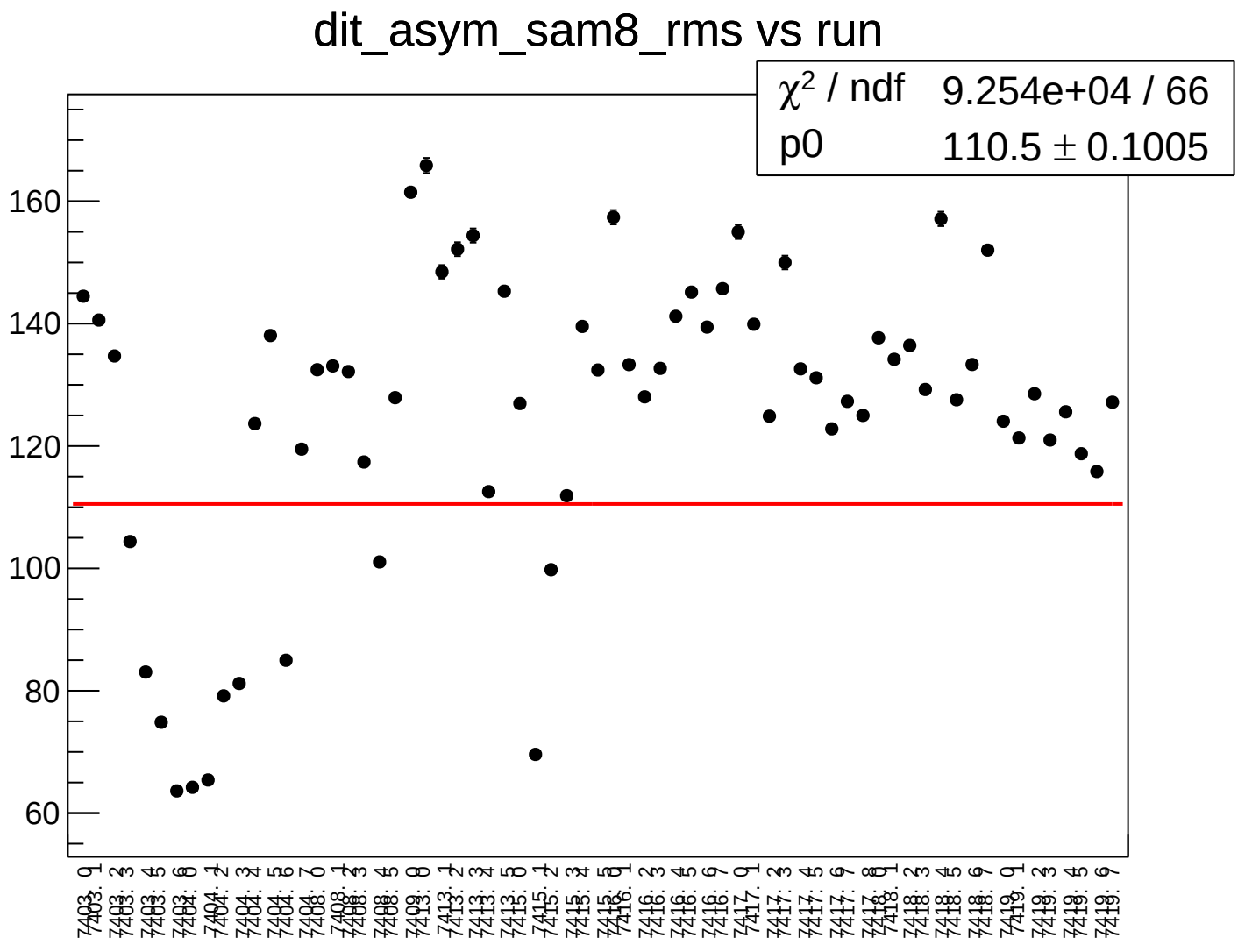

asym_sam7_mean vs run
$\chi^2$ / ndf 67.36 / 66
p0 215.4 ± 332.9
pull
Entries 67
Mean 73.12
Std Dev 33.86

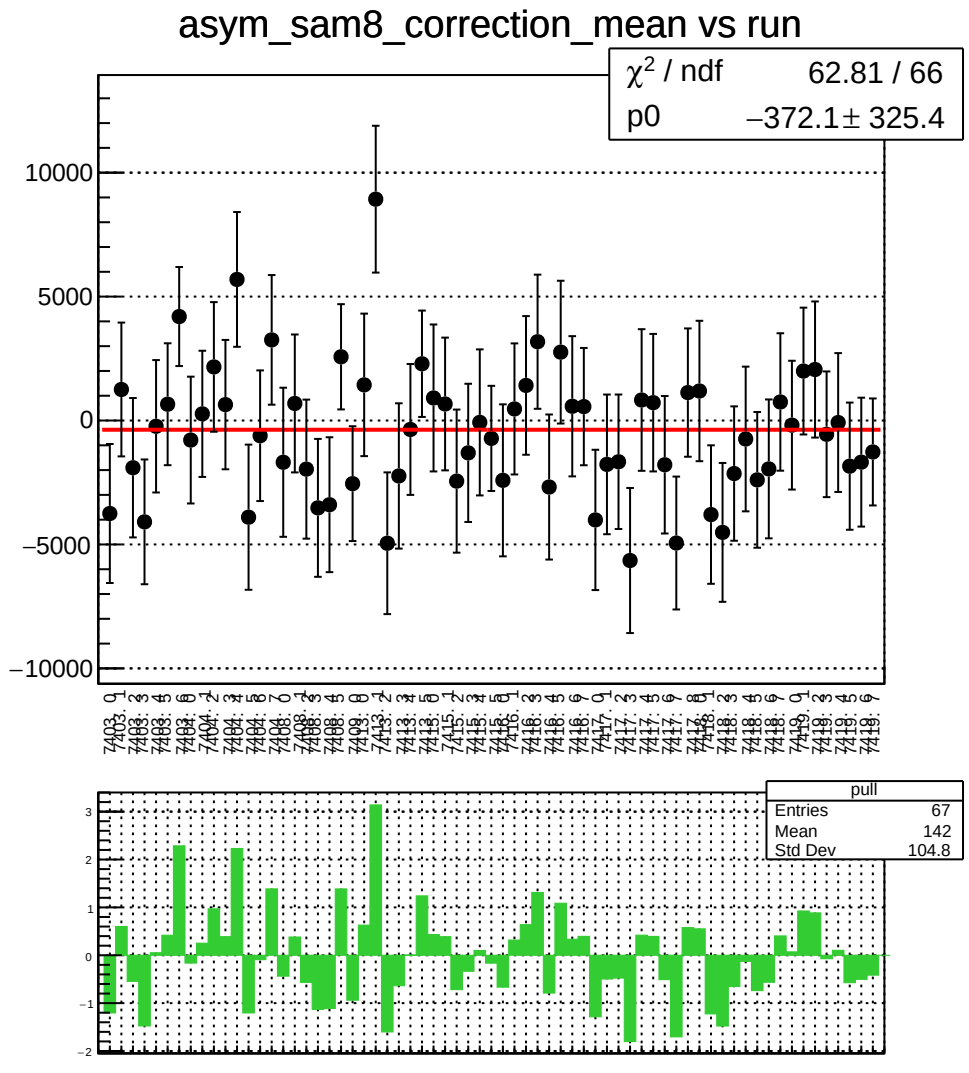

pull1D
Entries 67
Mean 0.03949
Std Dev 1.002

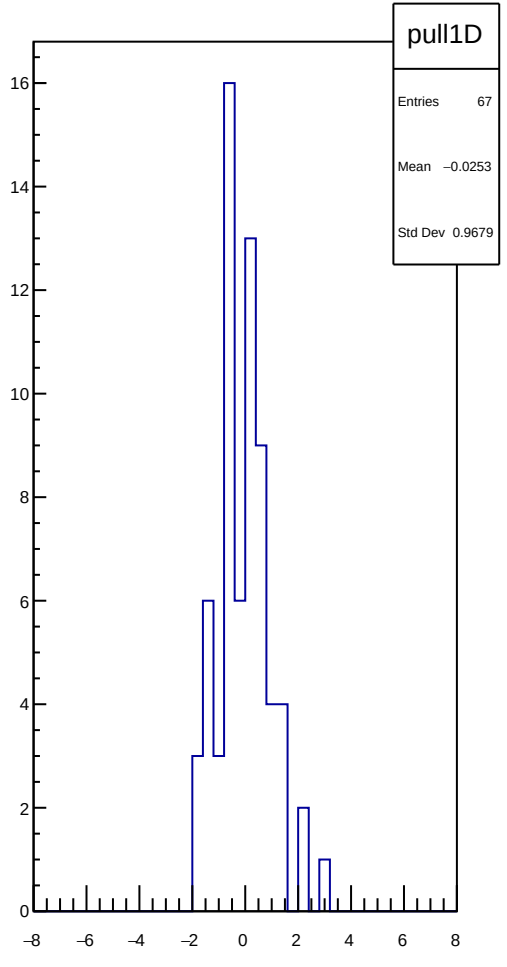

asym_sam7_rms vs run
χ² / ndf 4022 / 66
p0 268.3 ± 0.2354
300
290
280
270
260
250
240

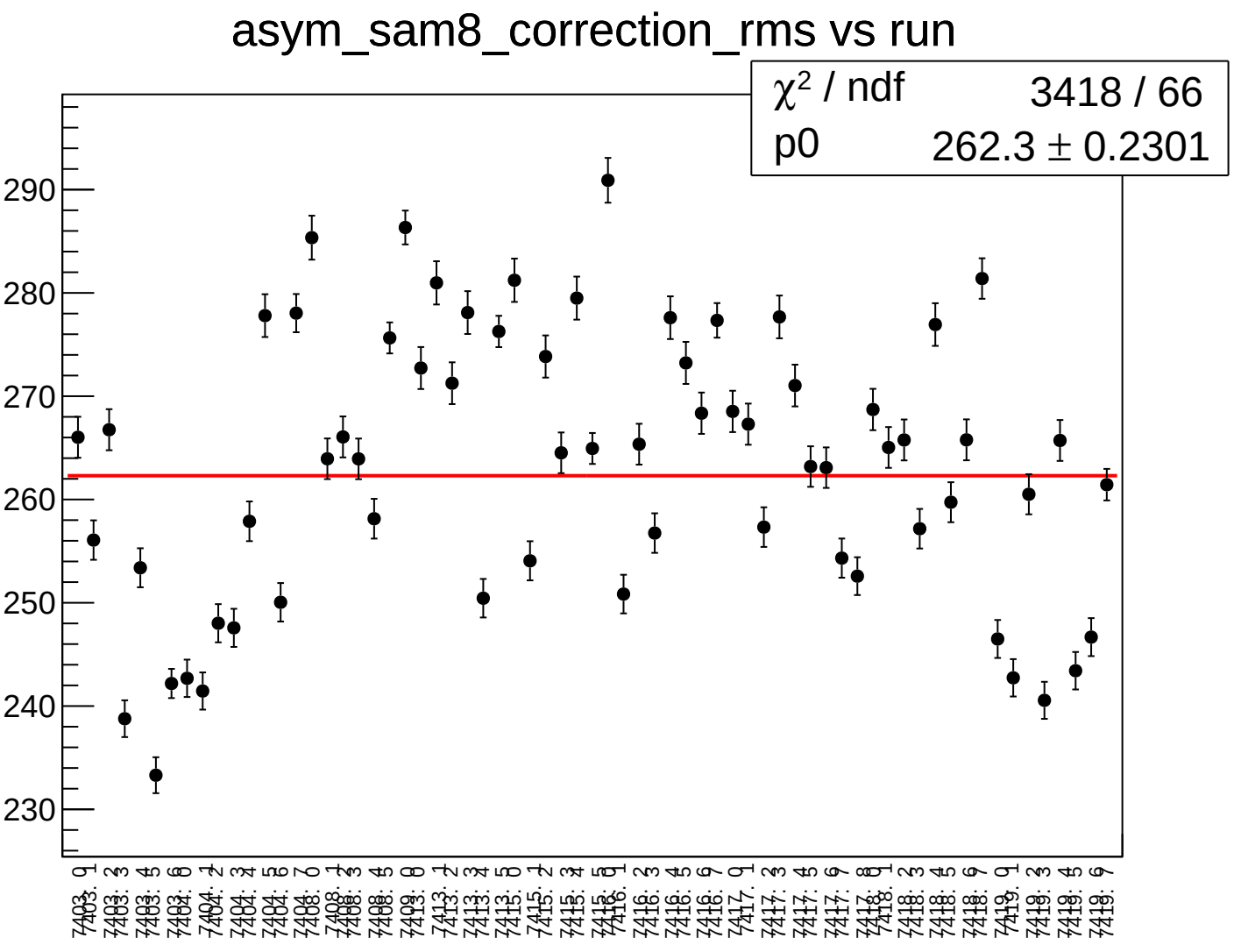

dit_asym_sam8_mean vs run
χ² / ndf 48.97 / 66
p0 −224.9 ± 142.1
4000
2000
0
−2000
−4000
pull
Entries 67
Mean 67.4
Std Dev 39.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

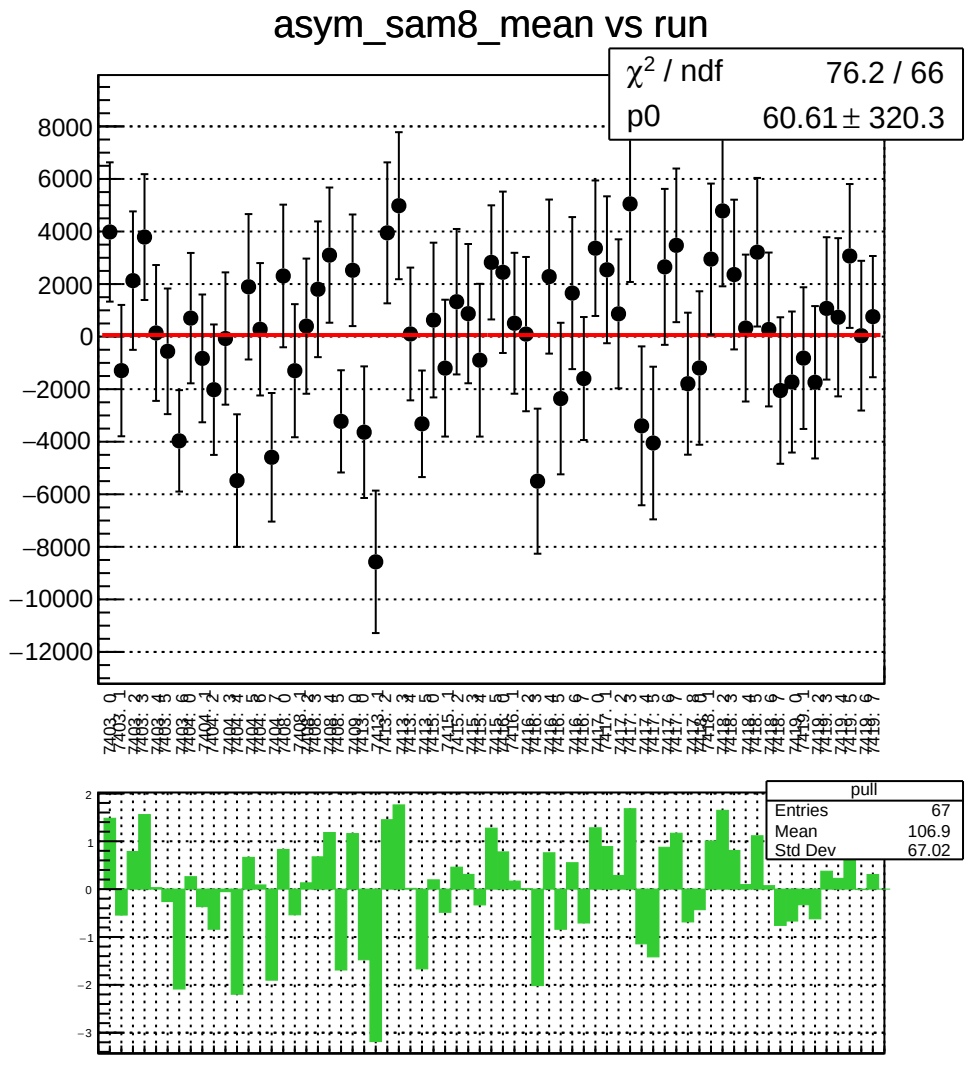

pull1D
Entries 67
Mean −0.02404
Std Dev 0.8546
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

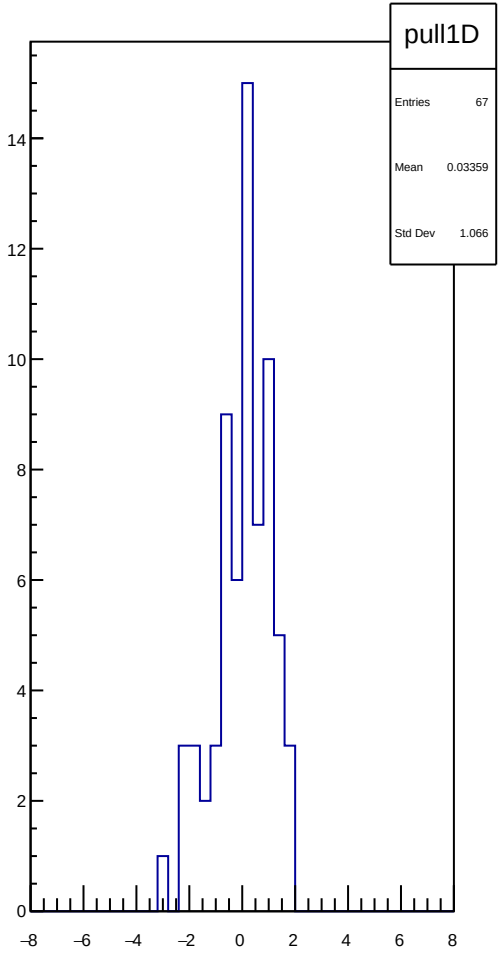

dit_asym_sam8_rms vs run
χ² / ndf 9.254e+04 / 66
p0 110.5 ± 0.1005
160
140
120
100
80
60

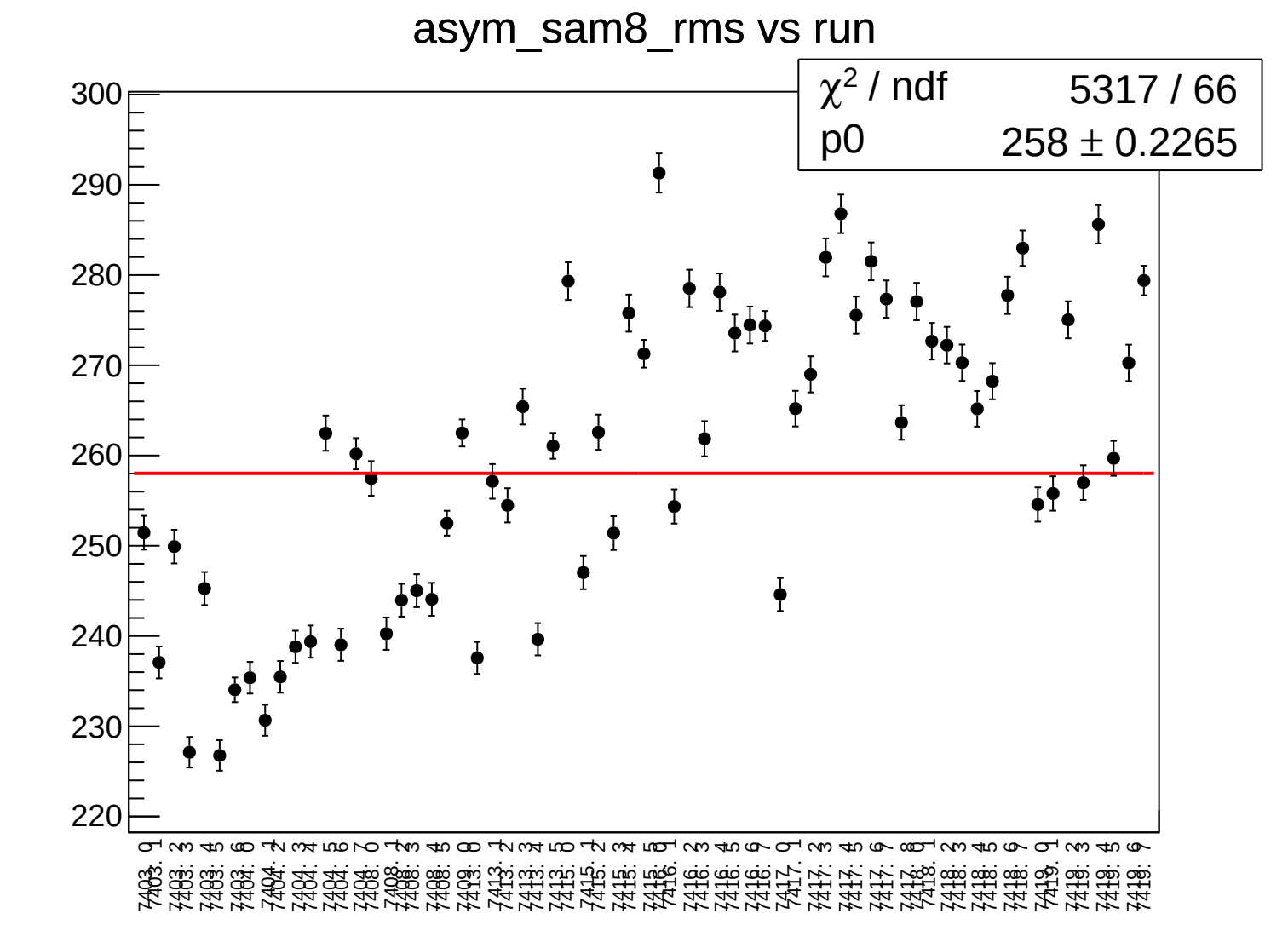

asym_sam8_correction_mean vs run
χ² / ndf 62.81 / 66
p0 −372.1± 325.4
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 142
Std Dev 104.8
3
2
1
0
−1
−2

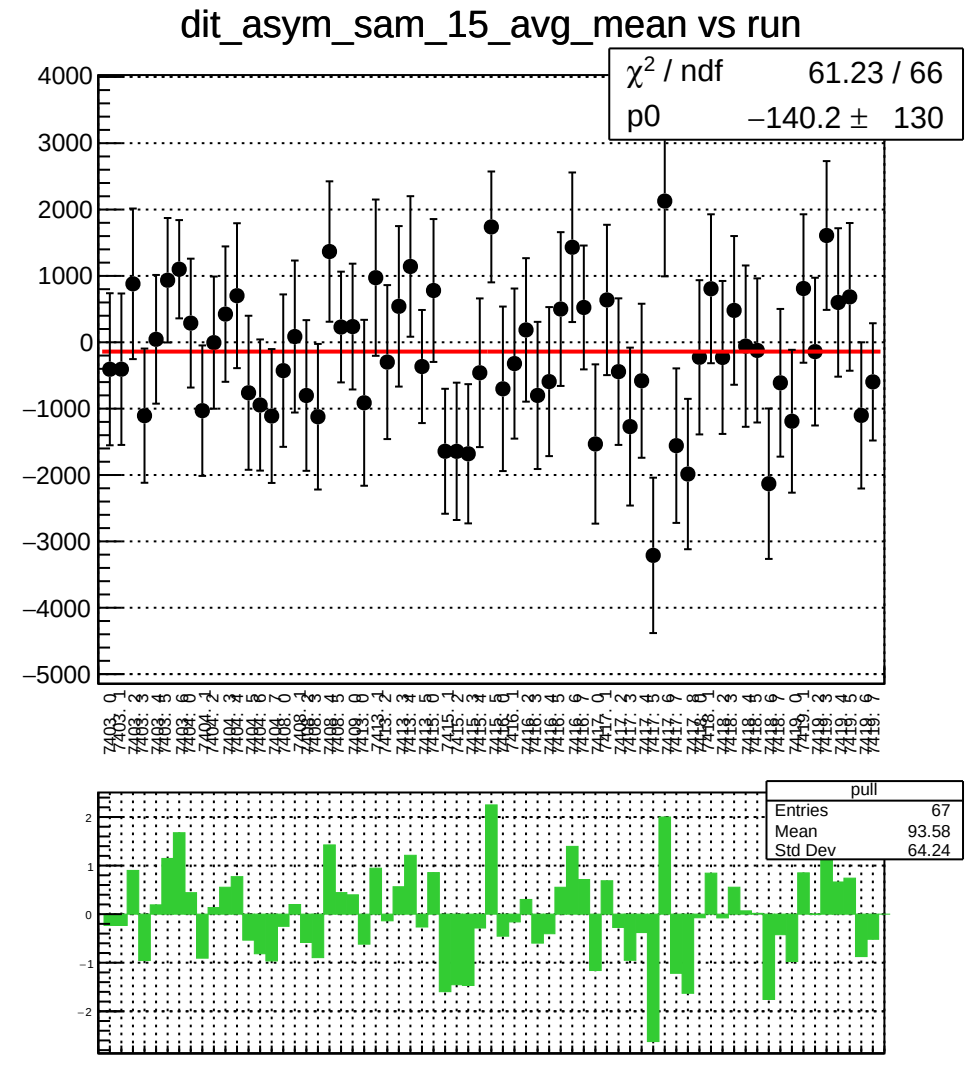

pull1D
Entries 67
Mean −0.0253
Std Dev 0.9679
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

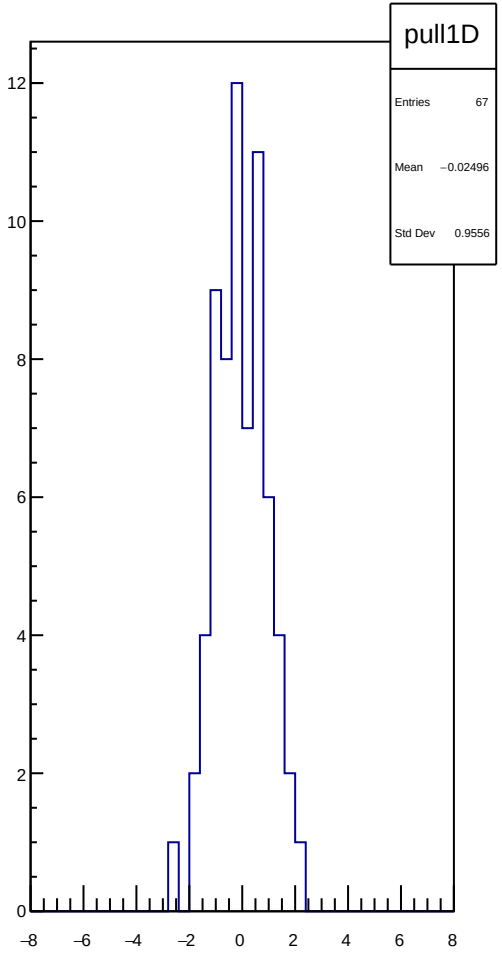

asym_sam8_correction_rms vs run
χ² / ndf 3418 / 66
p0 262.3 ± 0.2301
290
280
270
260
250
240
230

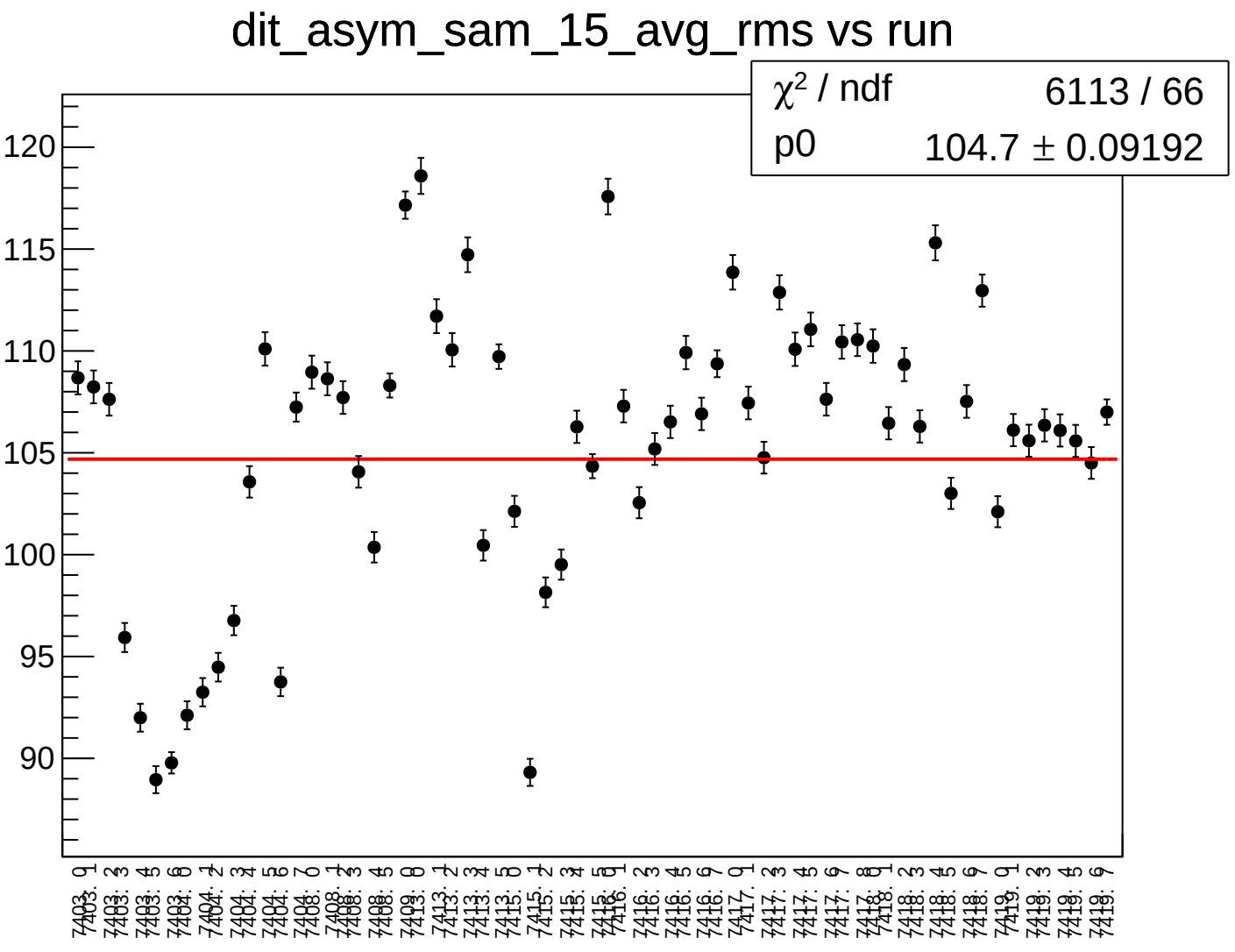

asym_sam8_mean vs run
χ² / ndf 76.2 / 66
p0 60.61 ± 320.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 67
Mean 106.9
Std Dev 67.02
2
1
0
−1
−2
−3

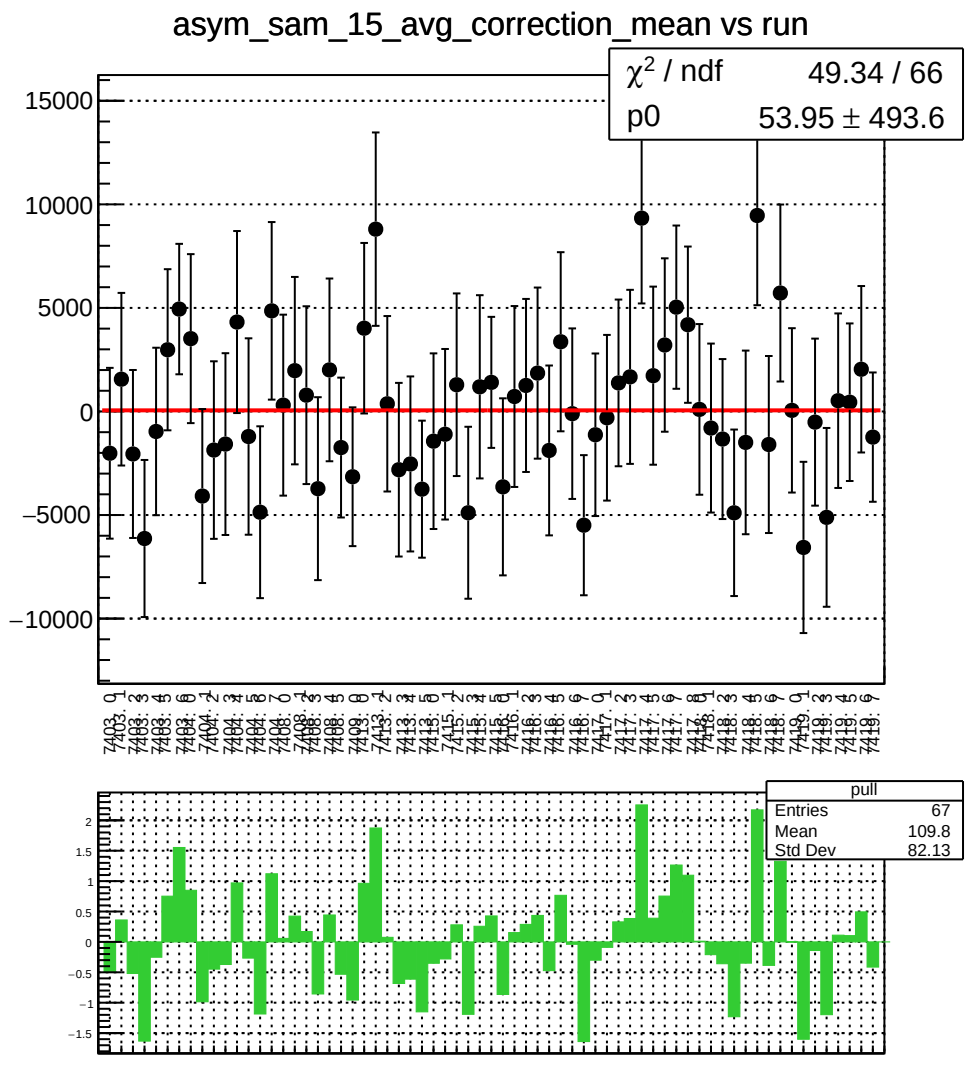

pull1D
Entries 67
Mean 0.03359
Std Dev 1.066
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

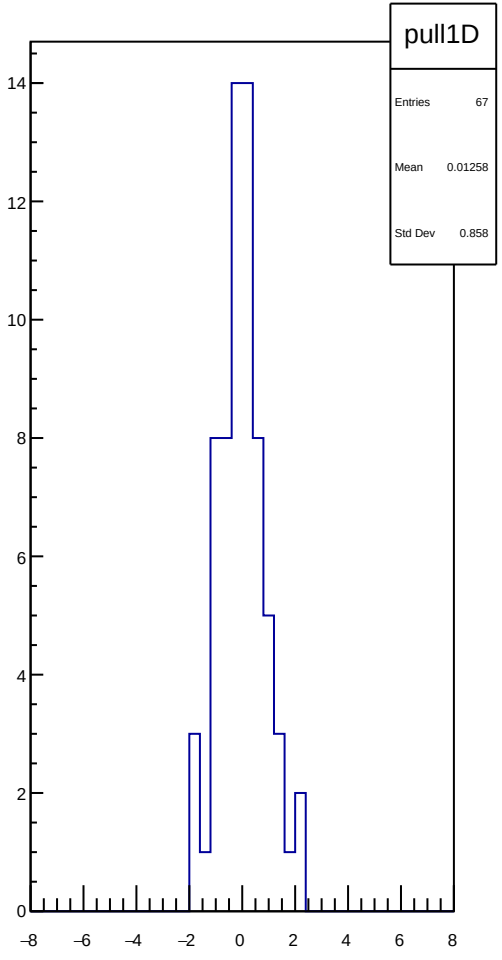

asym_sam8_rms vs run
$\chi^2$ / ndf 5317 / 66
p0 258 ± 0.2265
300
290
280
270
260
250
240
230
220

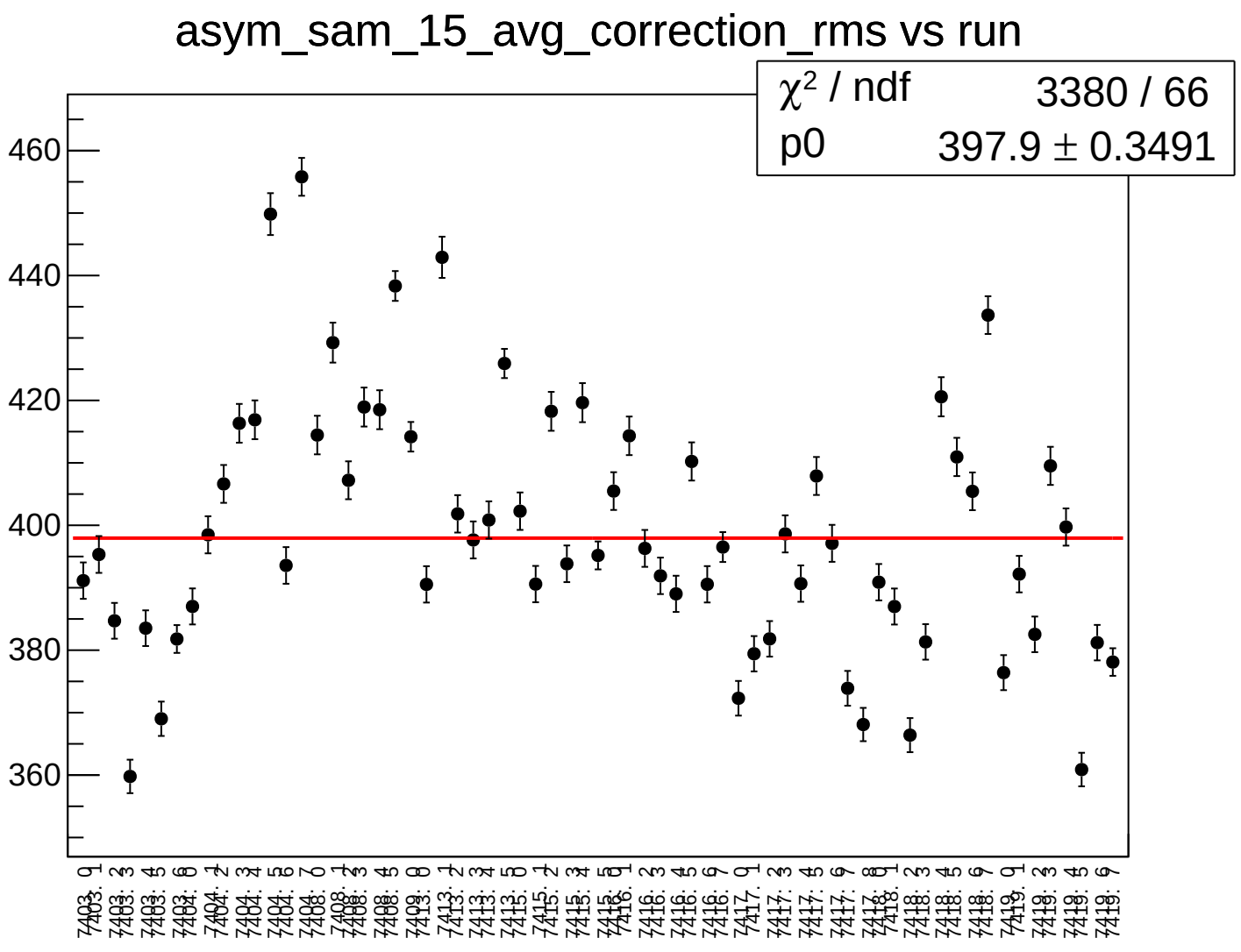

dit_asym_sam_15_avg_mean vs run
χ² / ndf 61.23 / 66
p0 −140.2 ± 130
pull
Entries 67
Mean 93.58
Std Dev 64.24

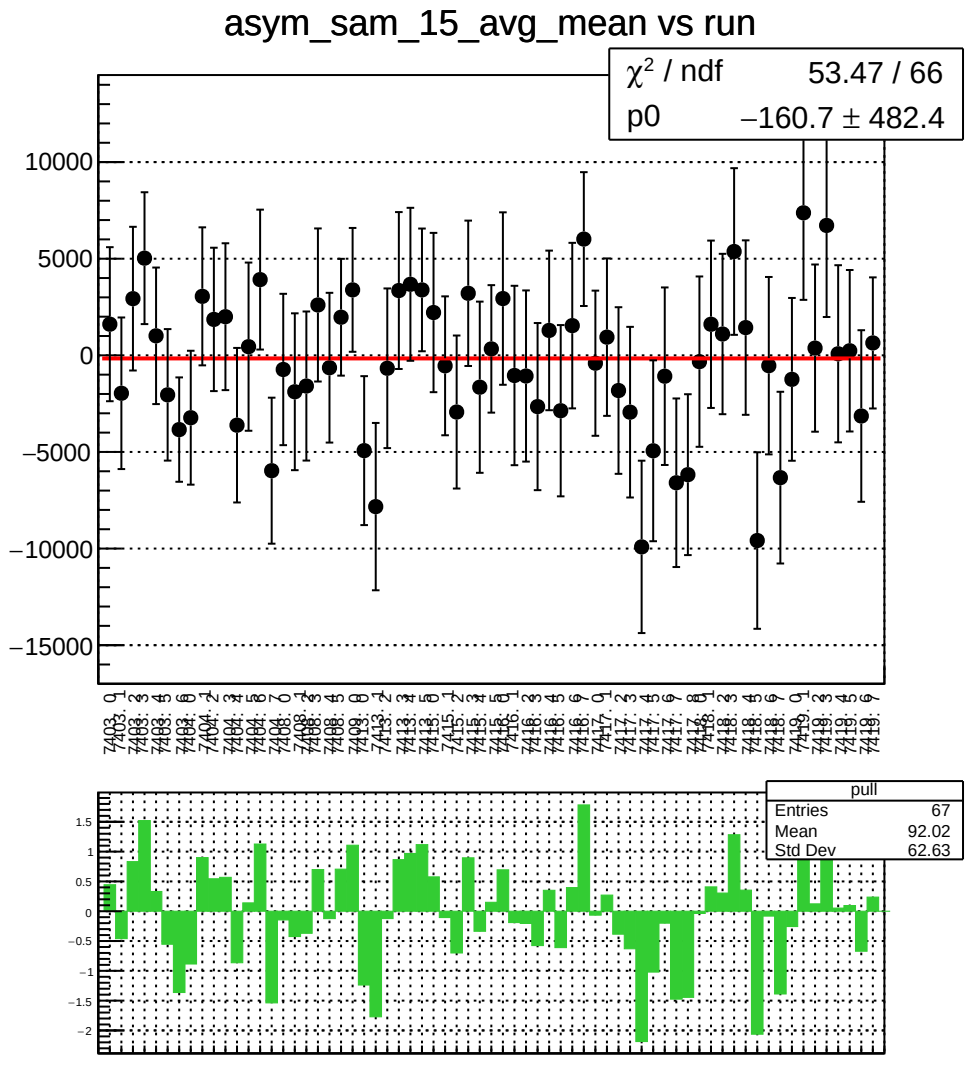

pull1D
Entries 67
Mean −0.02496
Std Dev 0.9556

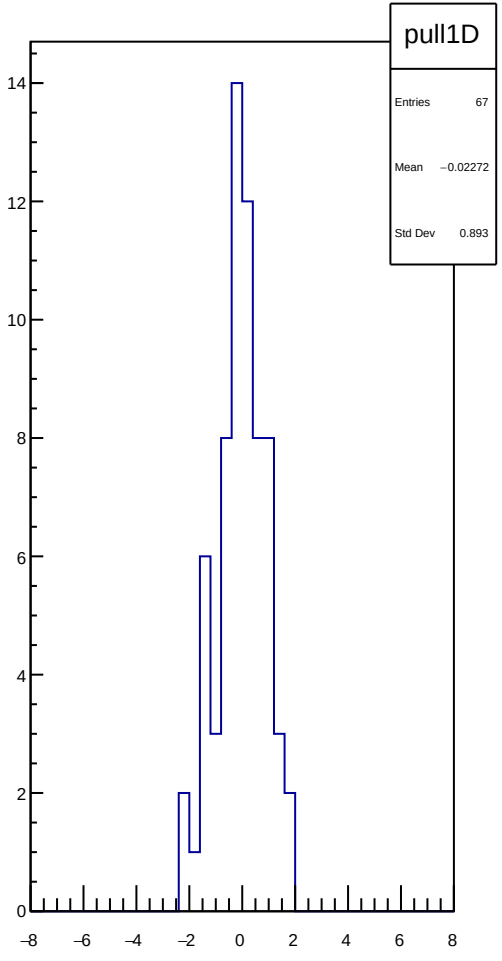

dit_asym_sam_15_avg_rms vs run
χ² / ndf 6113 / 66
p0 104.7 ± 0.09192
120
115
110
105
100
95
90

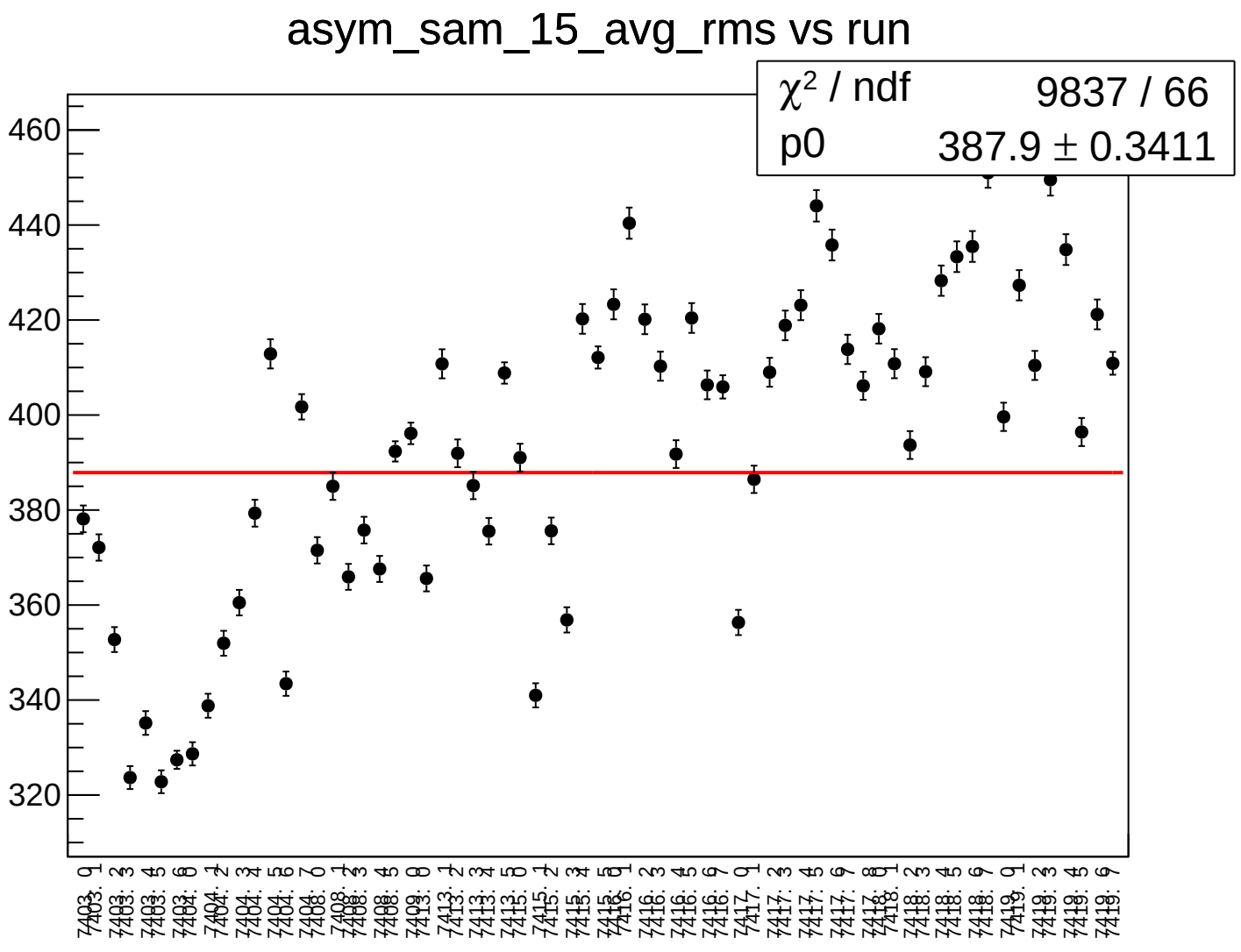

asym_sam_15_avg_correction_mean vs run
χ² / ndf 49.34 / 66
p0 53.95 ± 493.6
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 109.8
Std Dev 82.13
2
1.5
1
0.5
0
−0.5
−1
−1.5

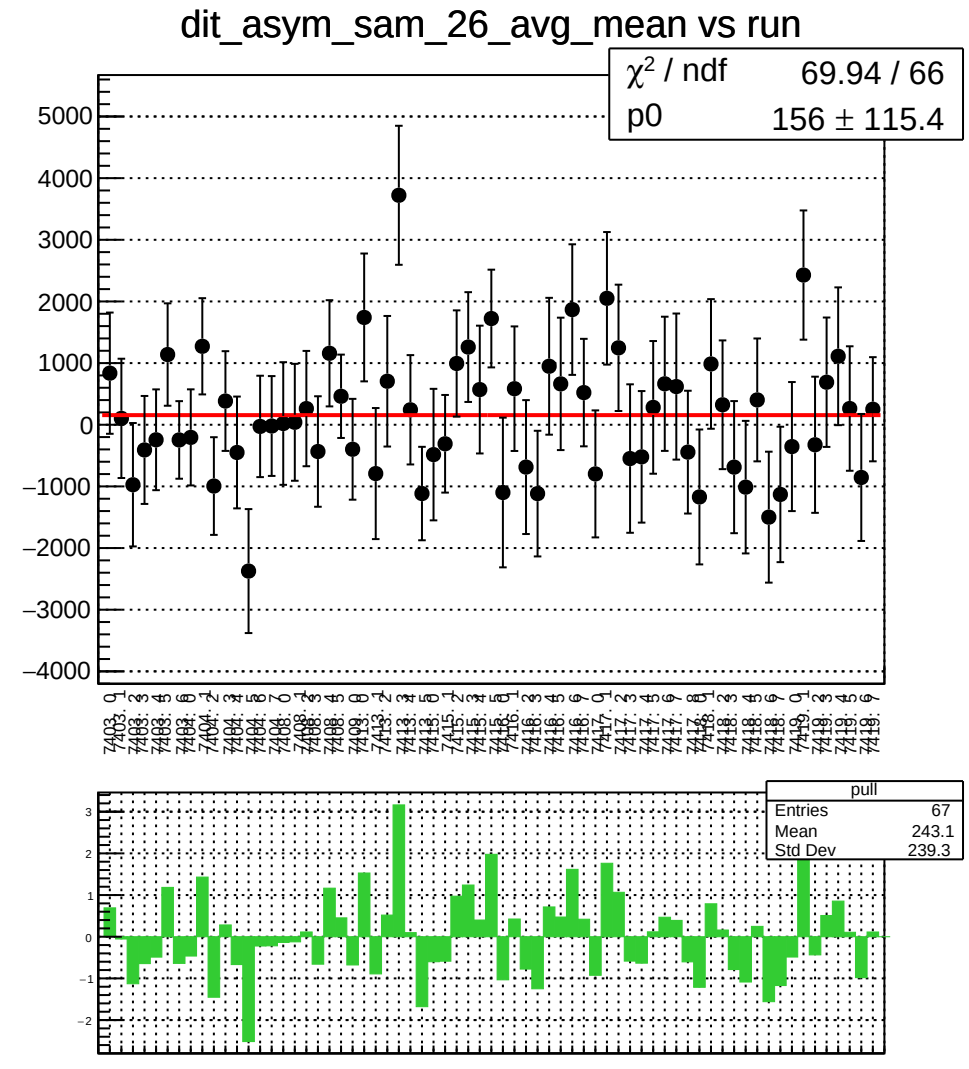

pull1D
Entries 67
Mean 0.01258
Std Dev 0.858
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

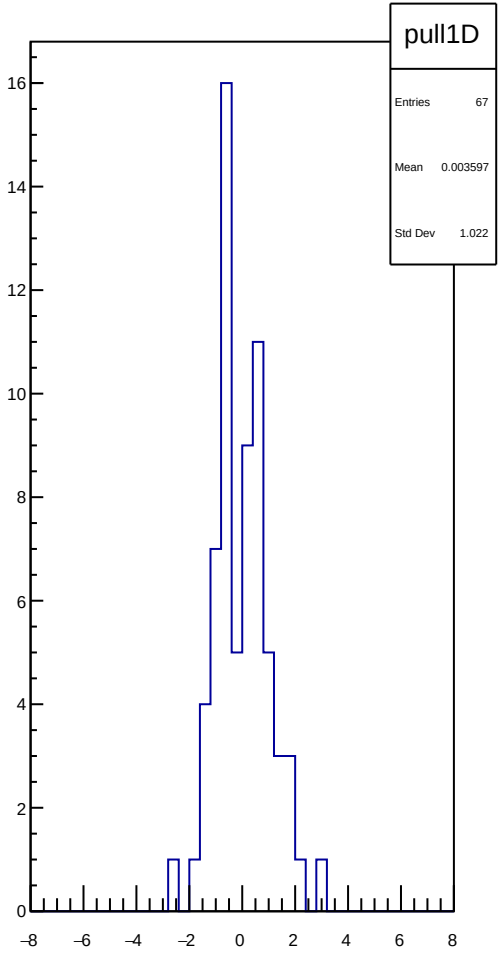

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3380 / 66
p0 397.9 ± 0.3491
460
440
420
400
380
360

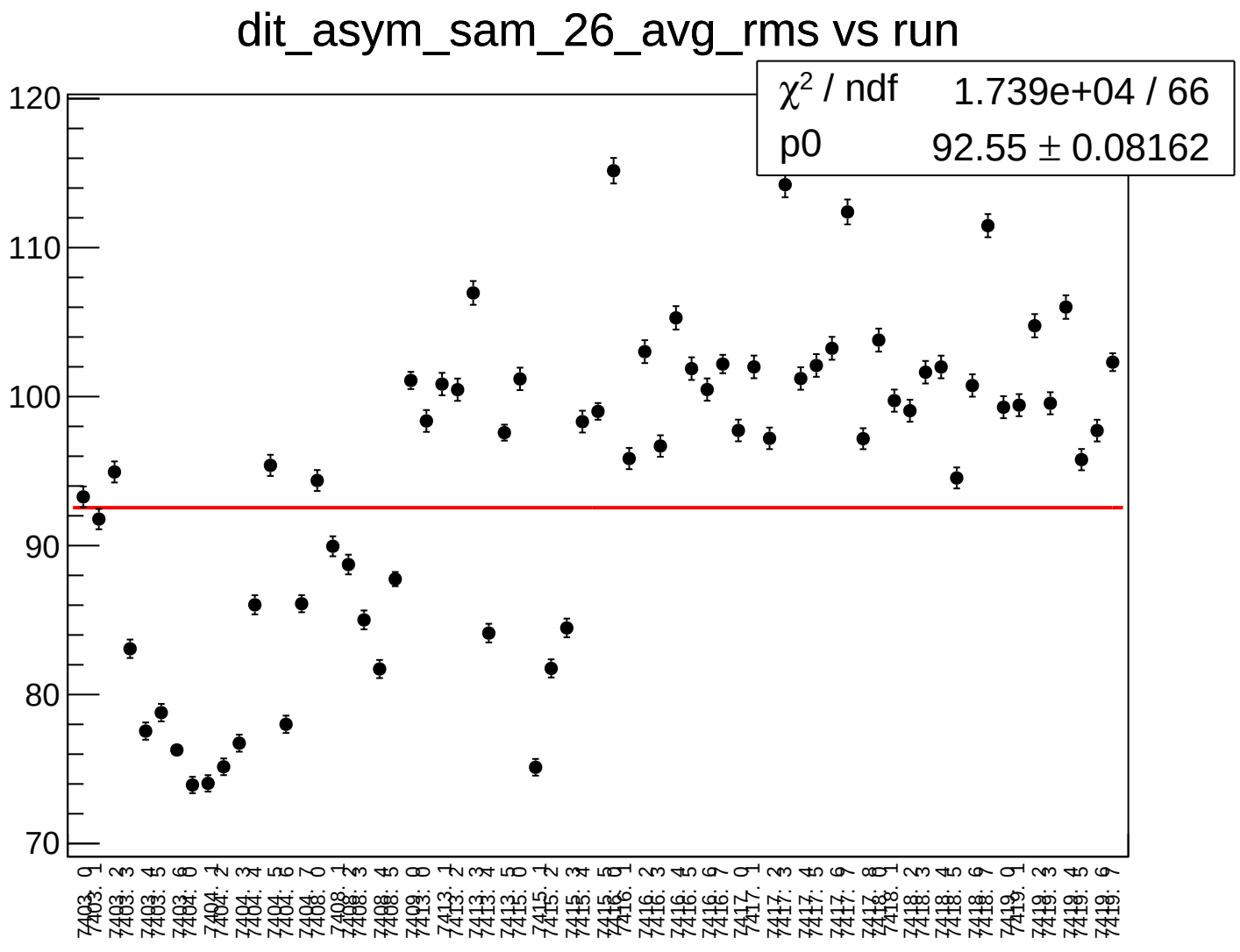

asym_sam_15_avg_mean vs run
χ² / ndf 53.47 / 66
p0 −160.7 ± 482.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 92.02
Std Dev 62.63
1.5
1
0.5
0
−0.5
−1
−1.5
−2

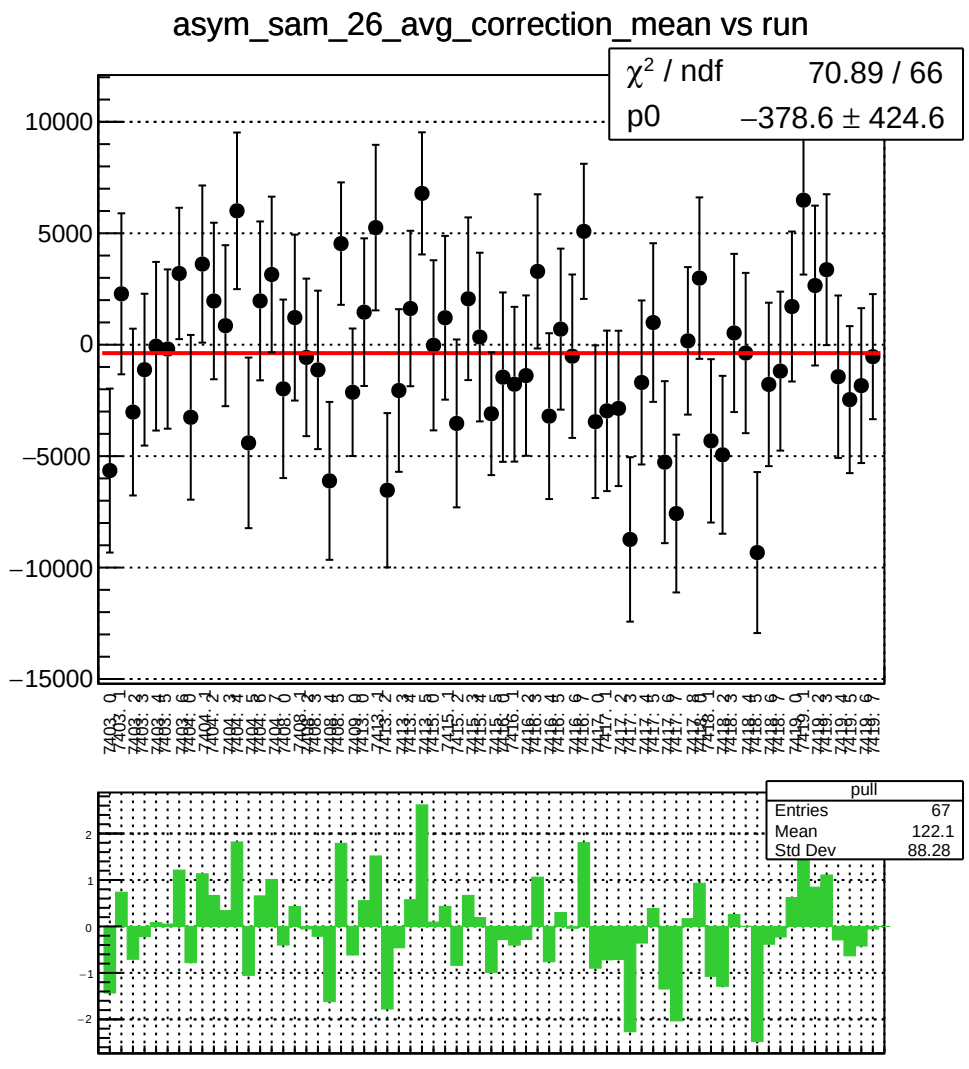

pull1D
Entries 67
Mean −0.02272
Std Dev 0.893
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

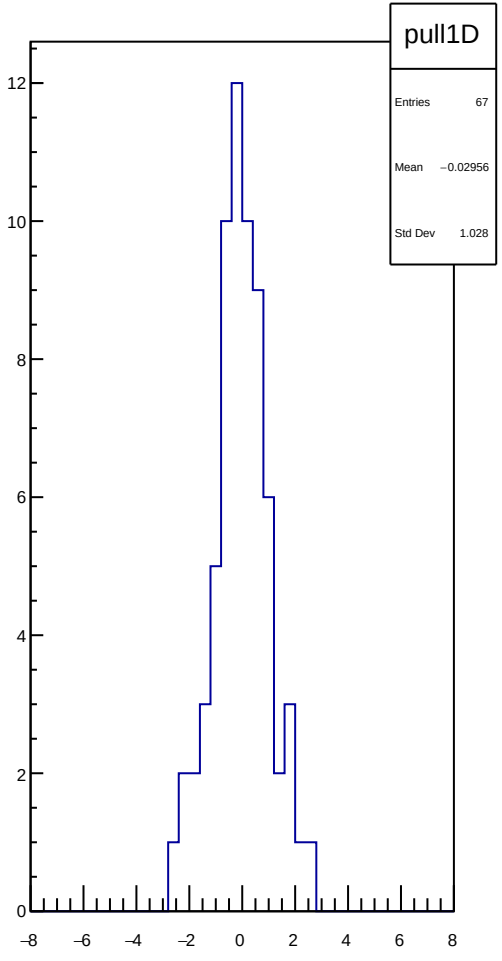

asym_sam_15_avg_rms vs run
χ² / ndf 9837 / 66
p0 387.9 ± 0.3411
460
440
420
400
380
360
340
320

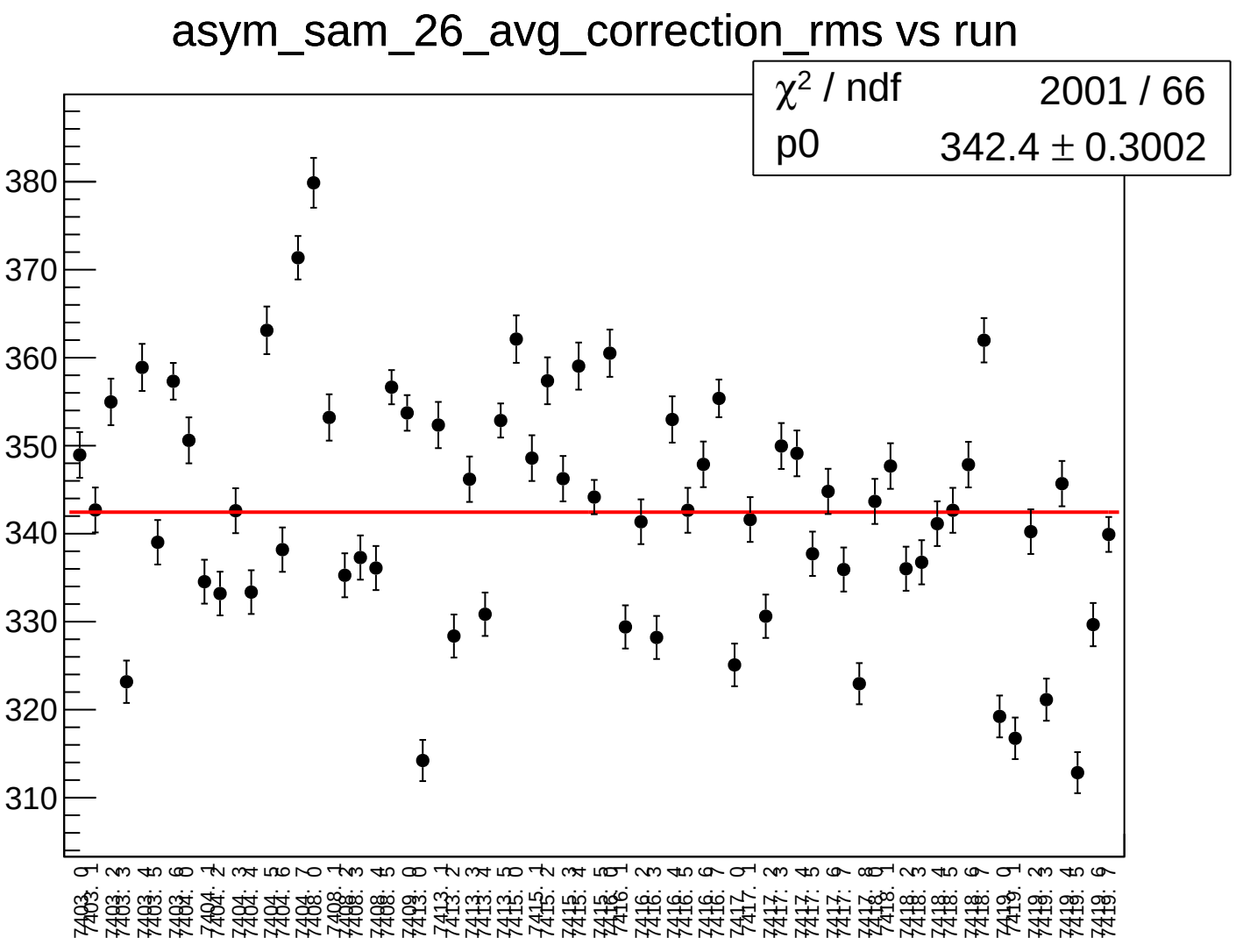

dit_asym_sam_26_avg_mean vs run
χ² / ndf 69.94 / 66
p0 156 ± 115.4
pull
Entries 67
Mean 243.1
Std Dev 239.3

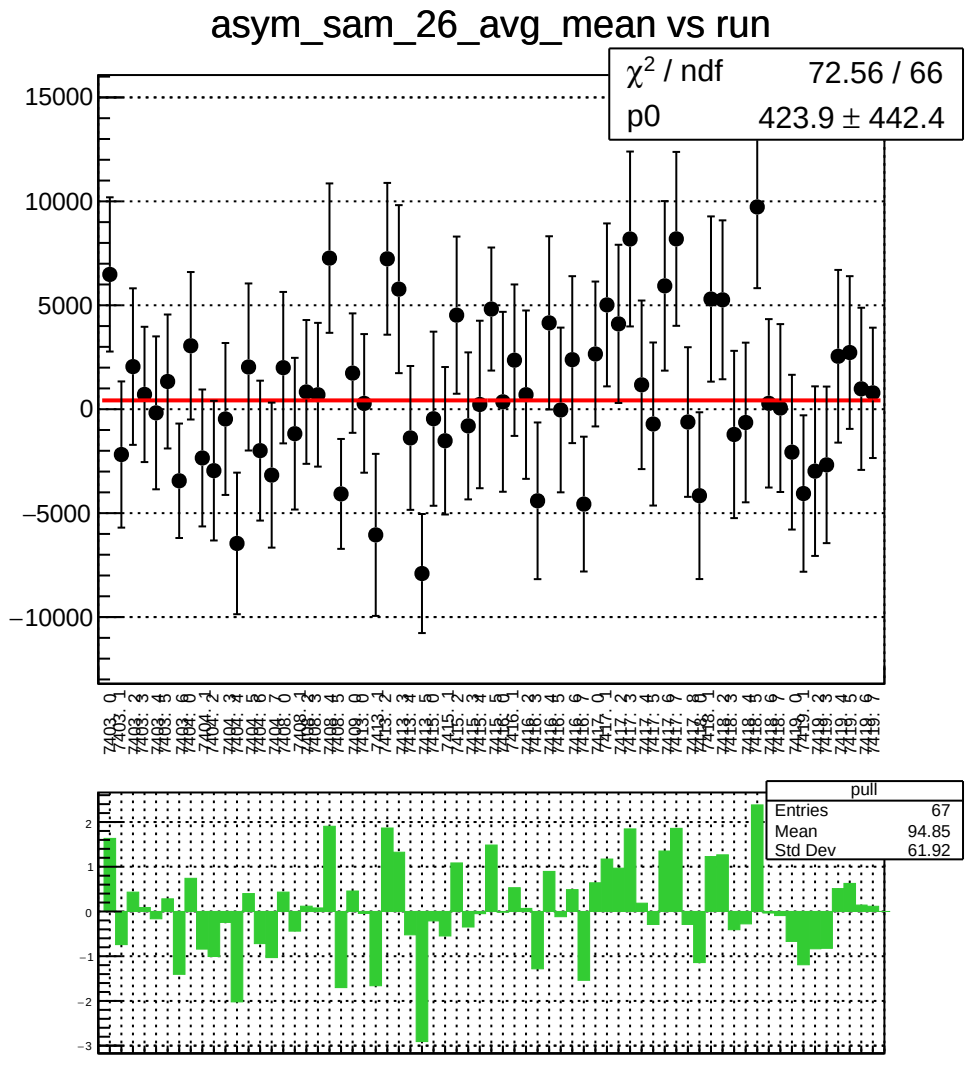

pull1D
Entries 67
Mean 0.003597
Std Dev 1.022

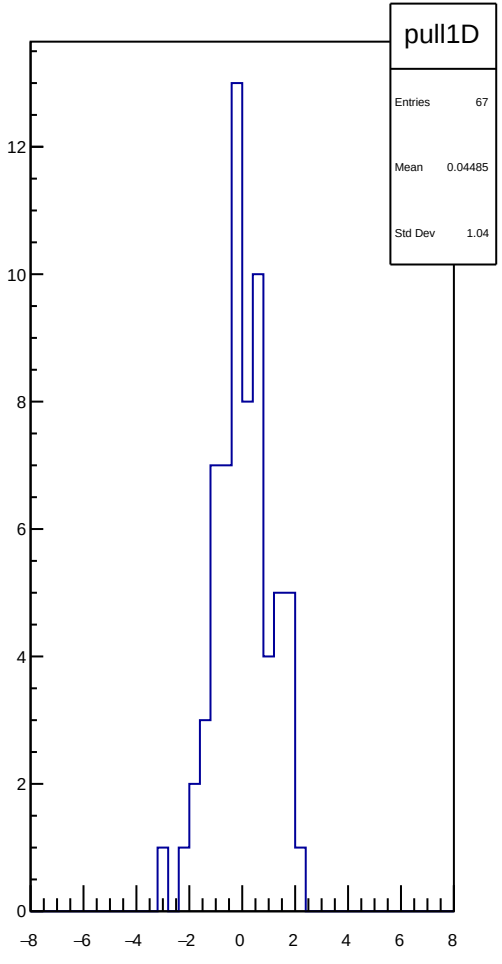

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.739e+04 / 66
p0 92.55 ± 0.08162
120
110
100
90
80
70

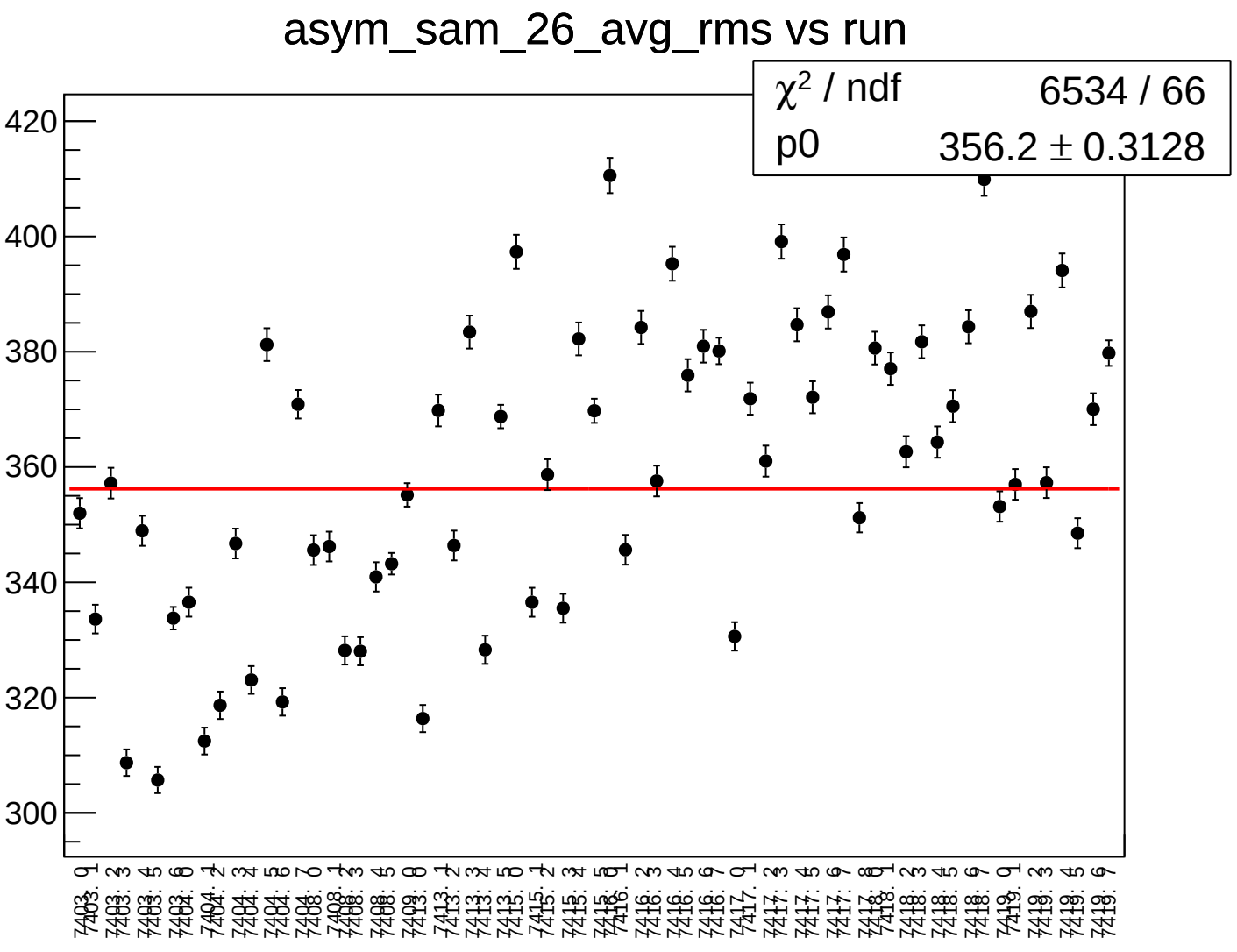

asym_sam_26_avg_correction_mean vs run
χ² / ndf 70.89 / 66
p0 −378.6 ± 424.6
pull
Entries 67
Mean 122.1
Std Dev 88.28

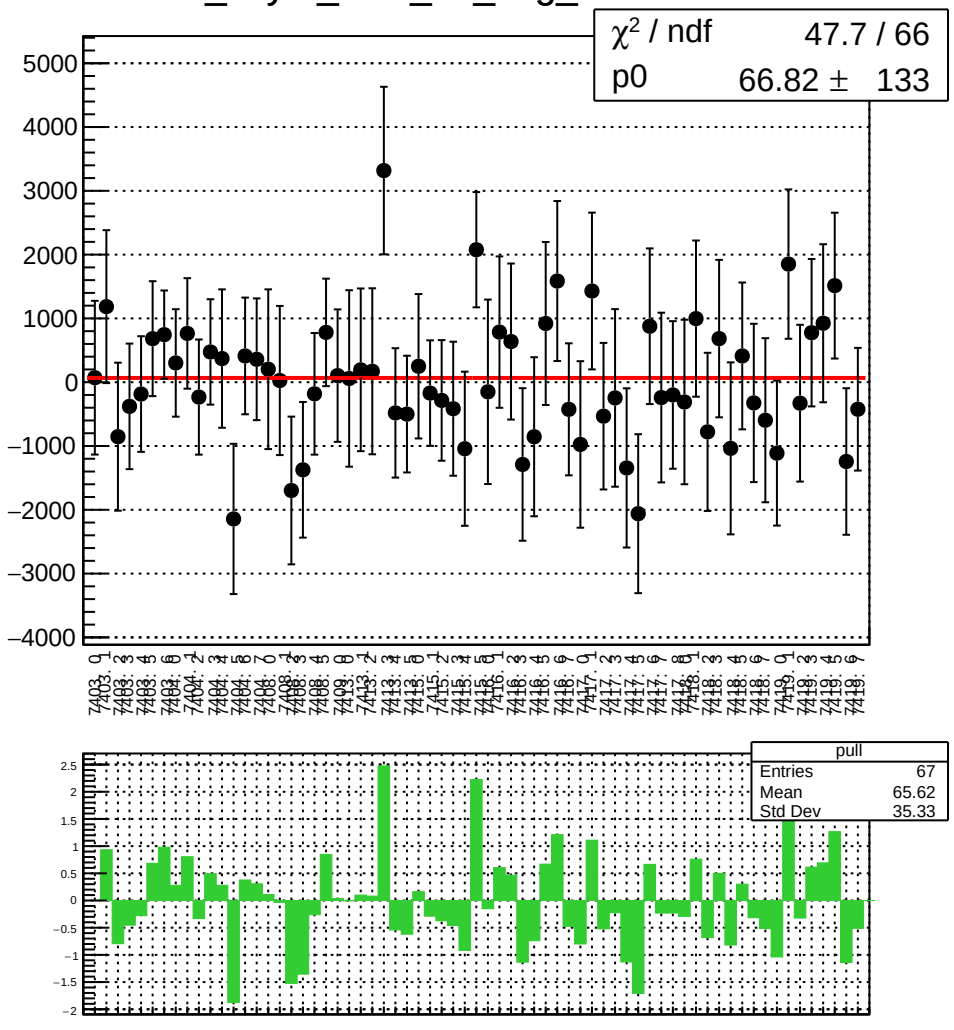

pull1D
Entries 67
Mean −0.02956
Std Dev 1.028

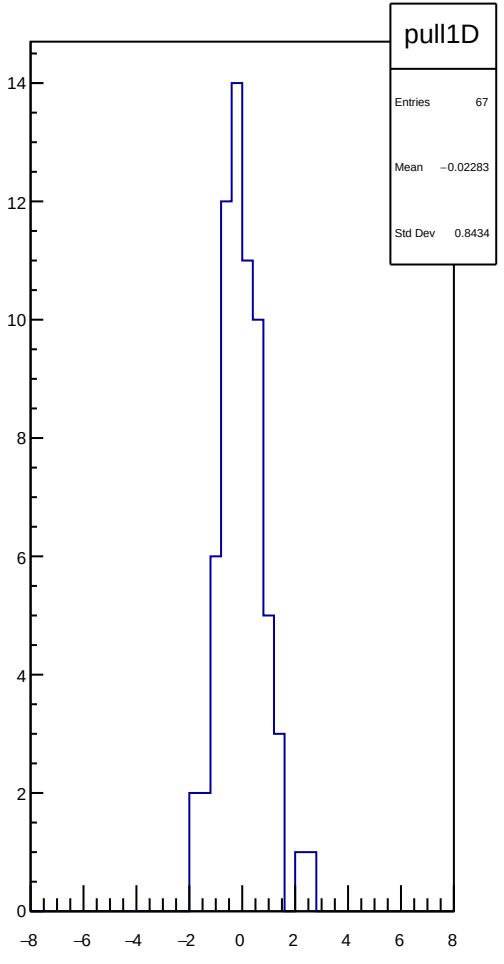

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2001 / 66
p0 342.4 ± 0.3002
380
370
360
350
340
330
320
310

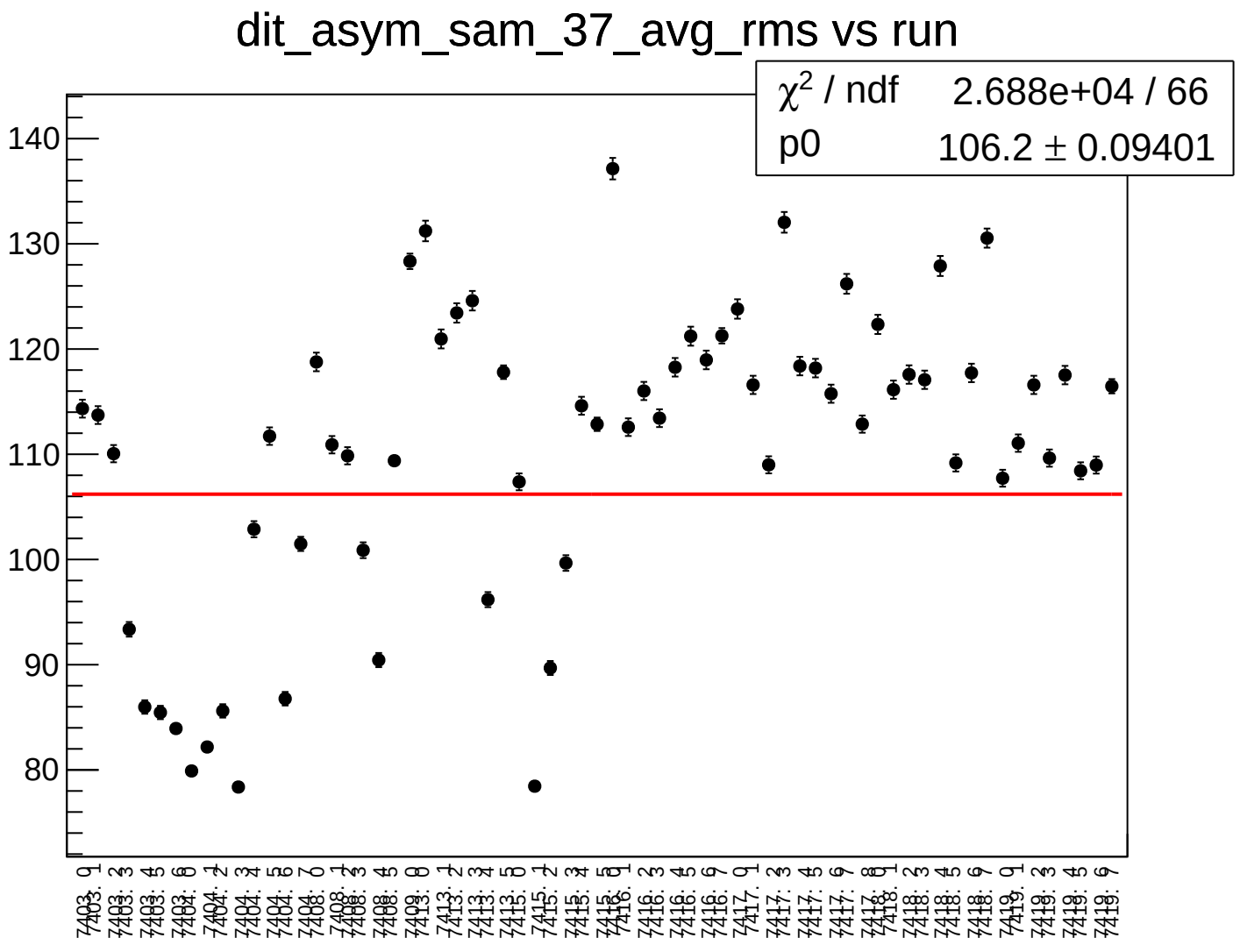

asym_sam_26_avg_mean vs run
χ² / ndf 72.56 / 66
p0 423.9 ± 442.4
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 94.85
Std Dev 61.92
2
1
0
−1
−2
−3

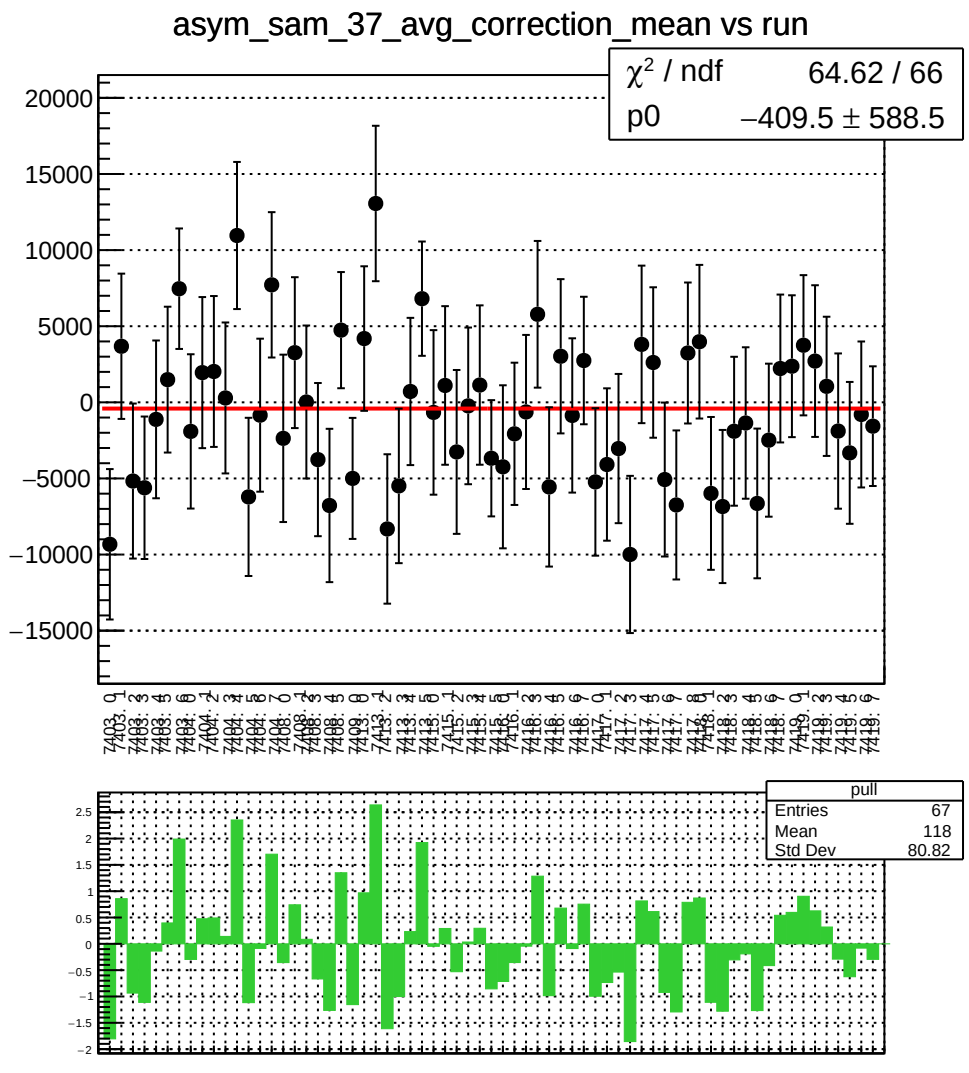

pull1D
Entries 67
Mean 0.04485
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

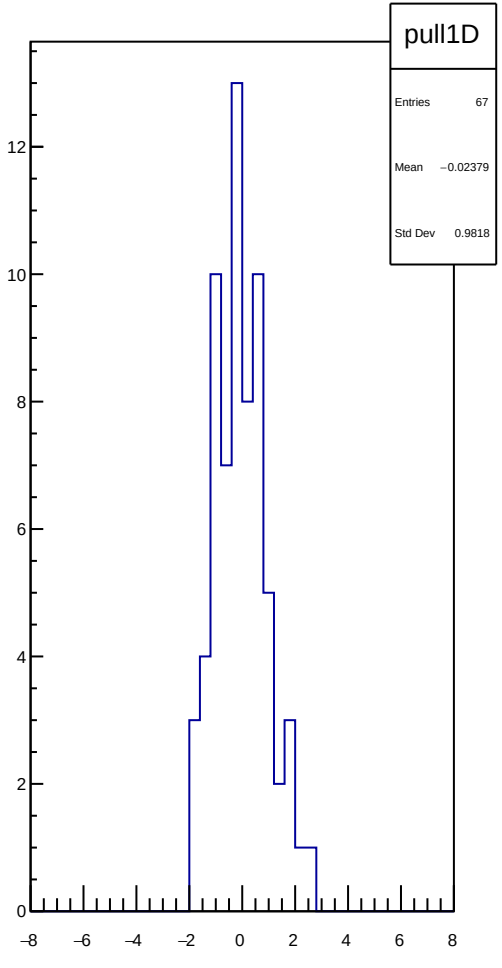

asym_sam_26_avg_rms vs run
χ² / ndf 6534 / 66
p0 356.2 ± 0.3128
420
400
380
360
340
320
300

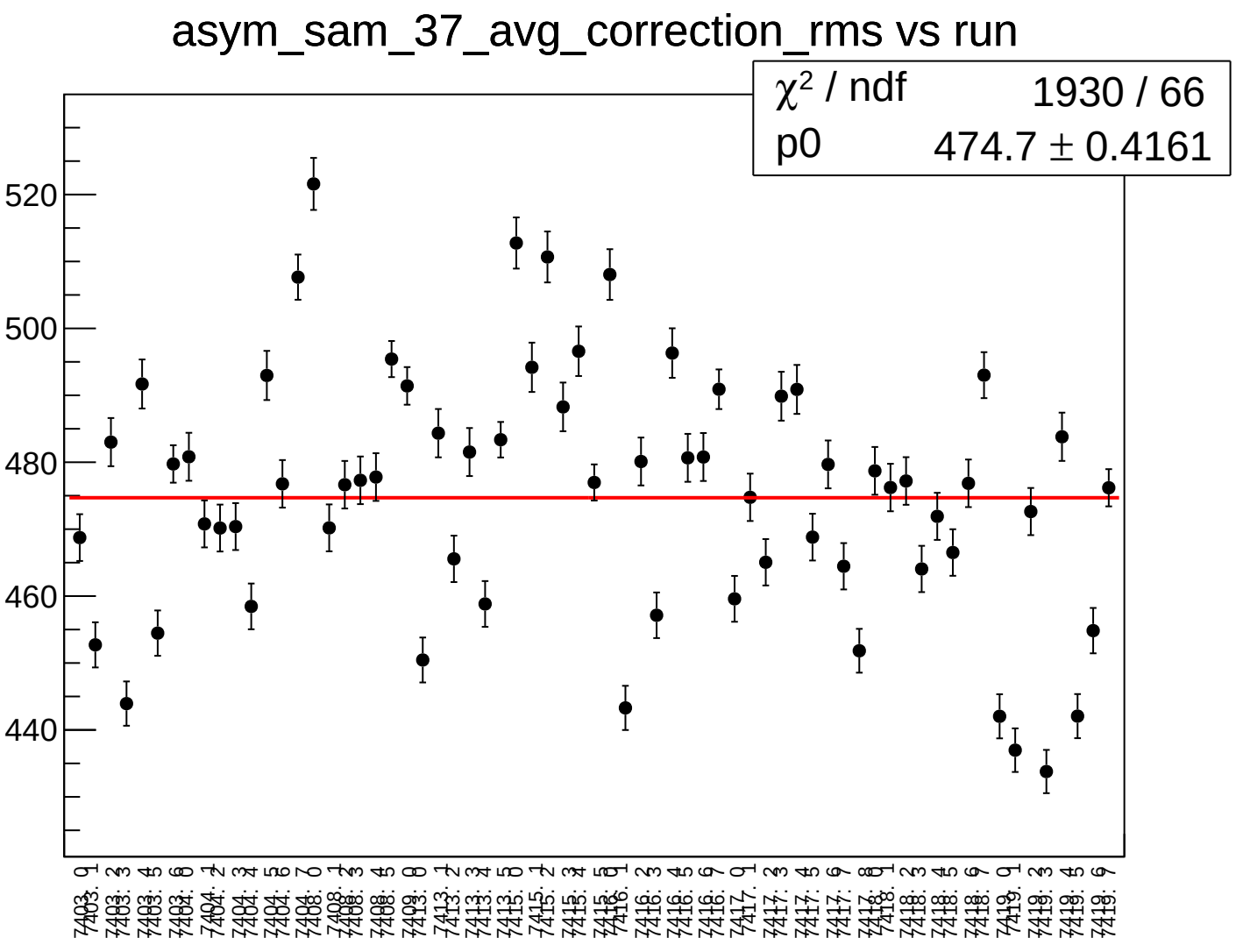

dit_asym_sam_37_avg_mean vs run
χ² / ndf 47.7 / 66
p0 66.82 ± 133
pull
Entries 67
Mean 65.62
Std Dev 35.33

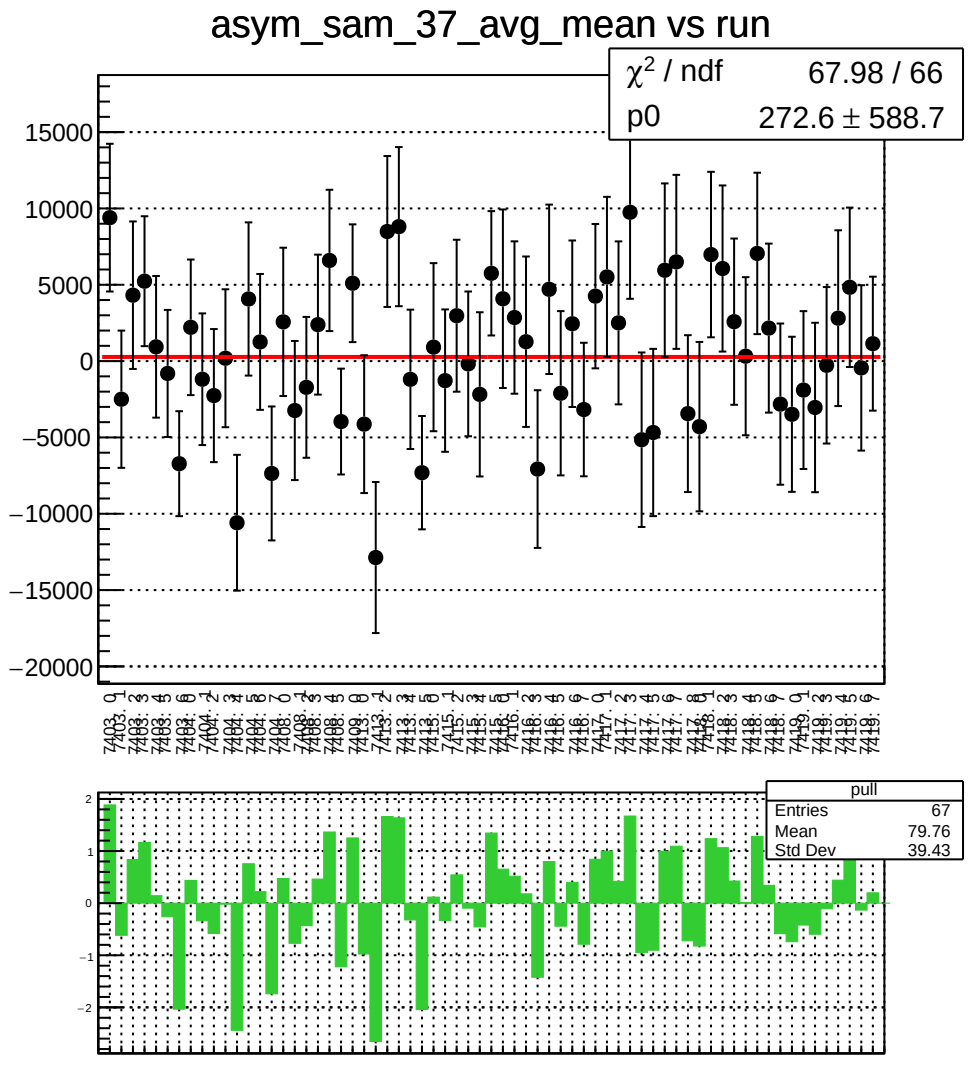

pull1D
Entries 67
Mean −0.02283
Std Dev 0.8434

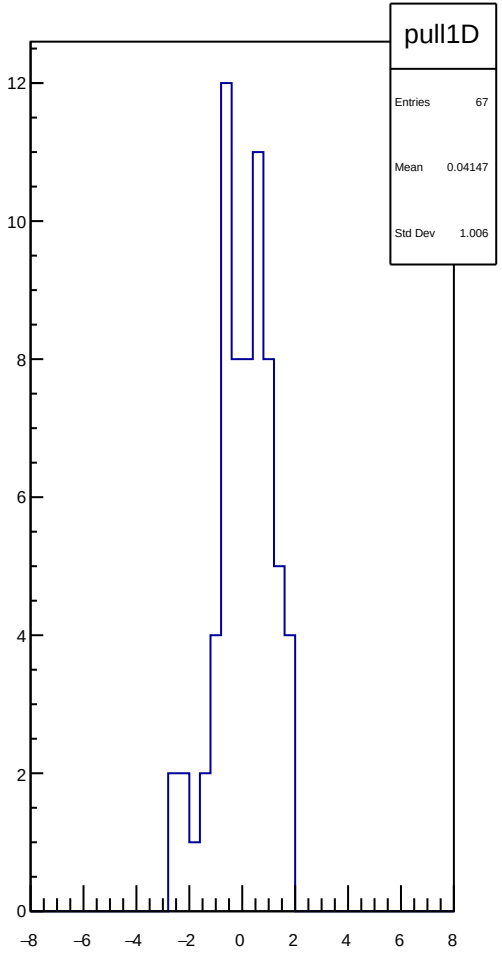

dit_asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 2.688e+04 / 66
p0 106.2 ± 0.09401
140
130
120
110
100
90
80

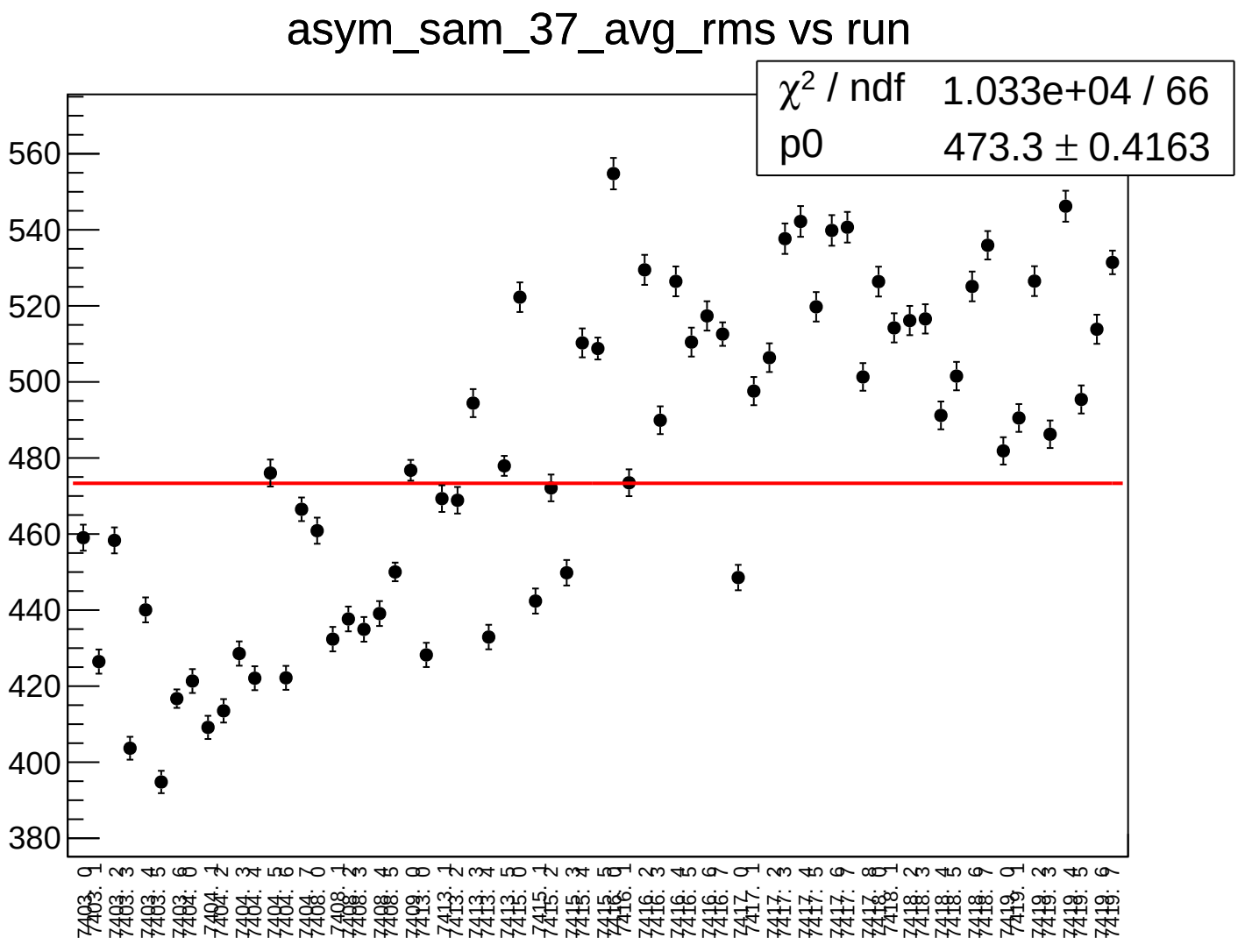

asym_sam_37_avg_correction_mean vs run
χ² / ndf 64.62 / 66
p0 −409.5 ± 588.5
pull
Entries 67
Mean 118
Std Dev 80.82

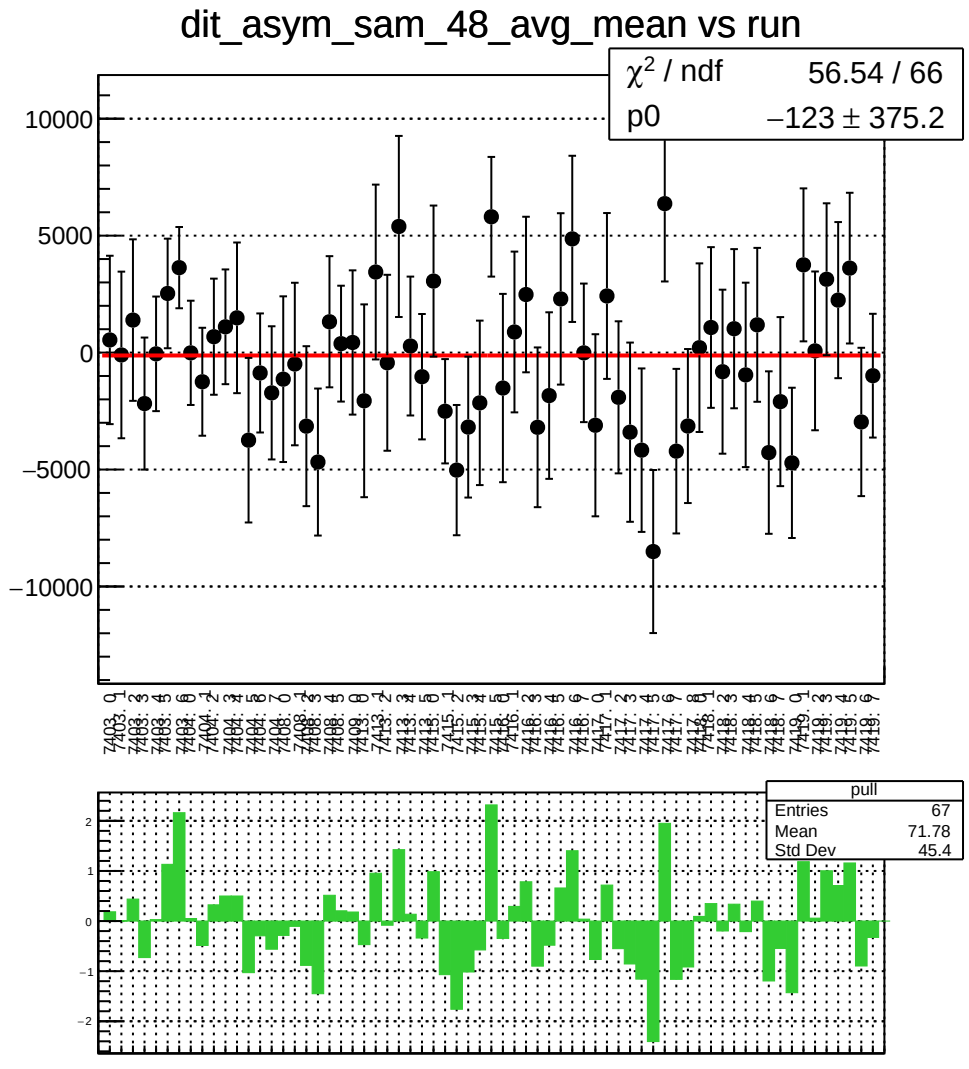

pull1D
Entries 67
Mean −0.02379
Std Dev 0.9818

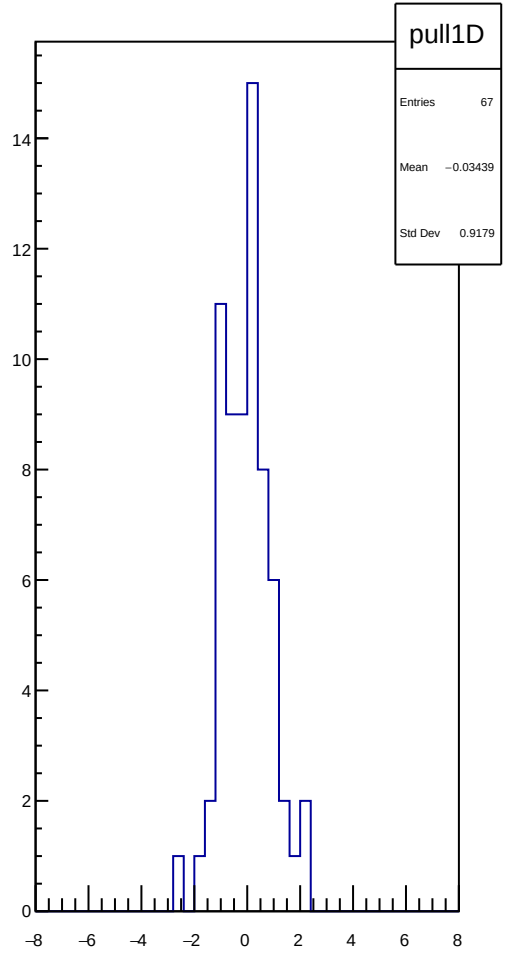

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1930 / 66
p0 474.7 ± 0.4161
520
500
480
460
440

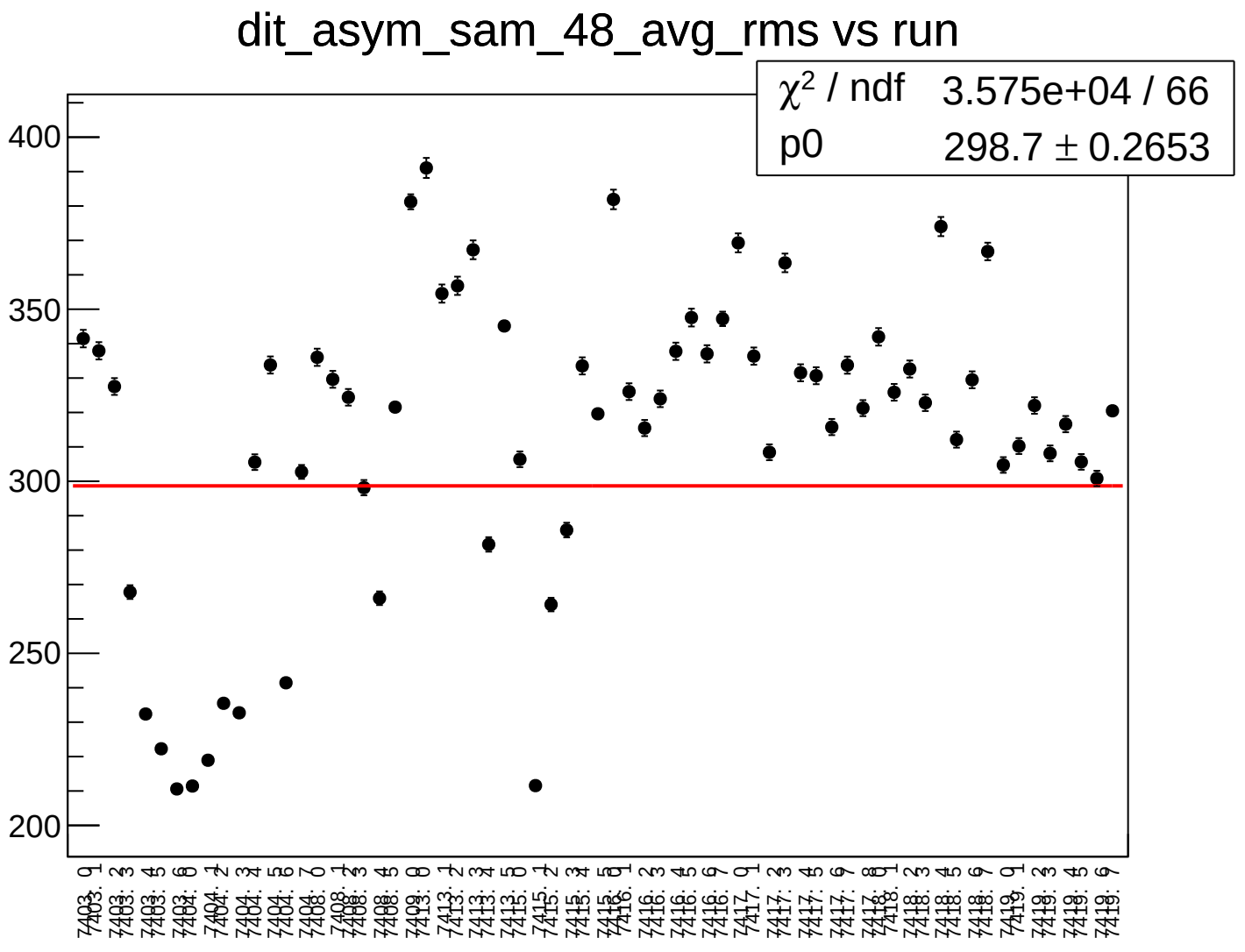

asym_sam_37_avg_mean vs run
χ² / ndf 67.98 / 66
p0 272.6 ± 588.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 67
Mean 79.76
Std Dev 39.43
2
1
0
−1
−2

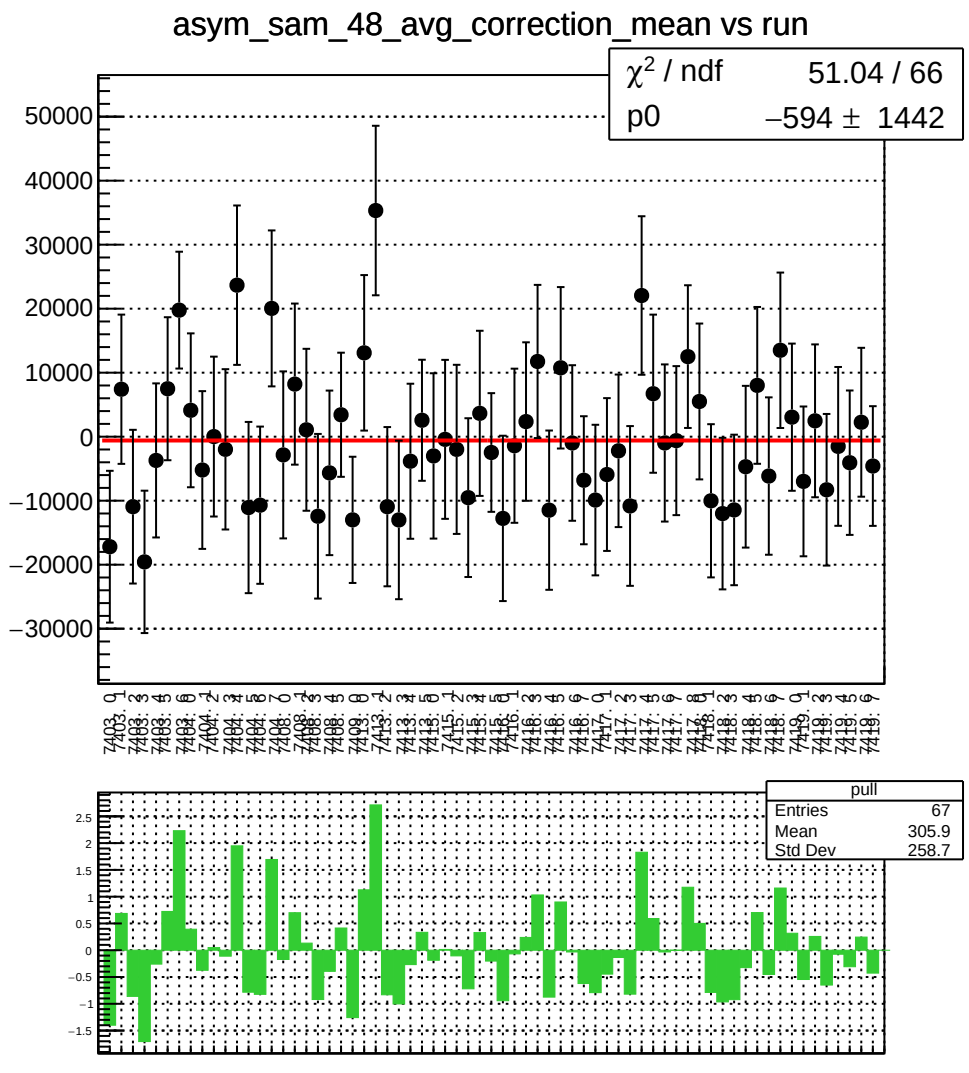

pull1D
Entries 67
Mean 0.04147
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

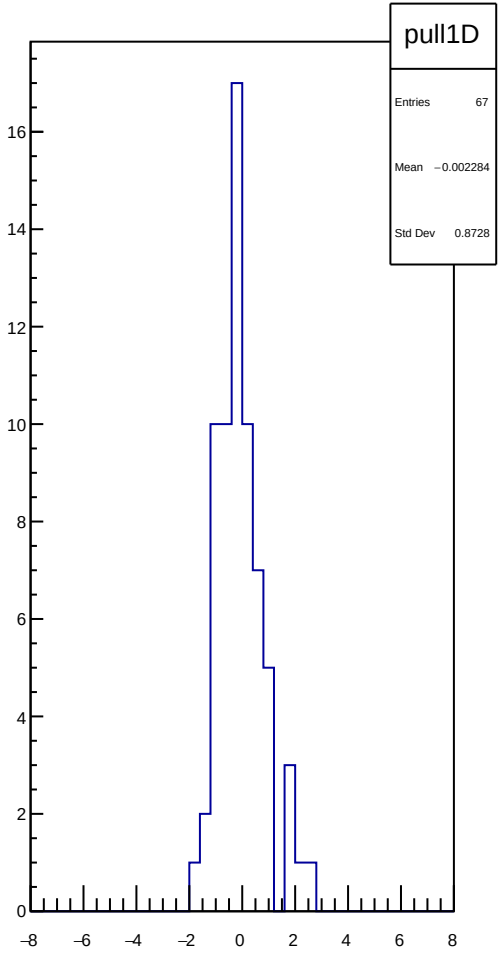

asym_sam_37_avg_rms vs run
χ² / ndf 1.033e+04 / 66
p0 473.3 ± 0.4163
560
540
520
500
480
460
440
420
400
380

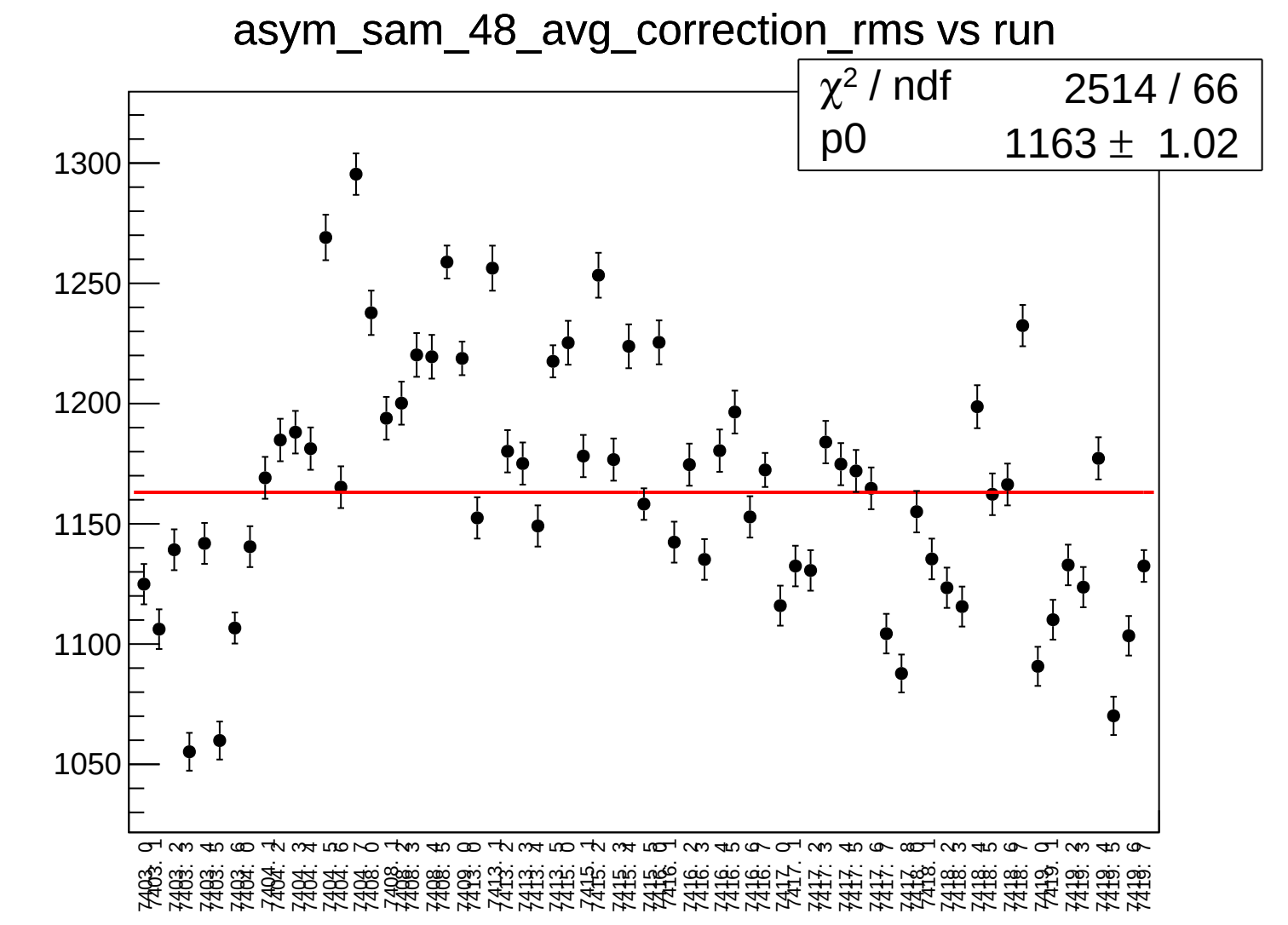

dit_asym_sam_48_avg_mean vs run
χ² / ndf 56.54 / 66
p0 −123 ± 375.2
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 71.78
Std Dev 45.4
2
1
0
−1
−2

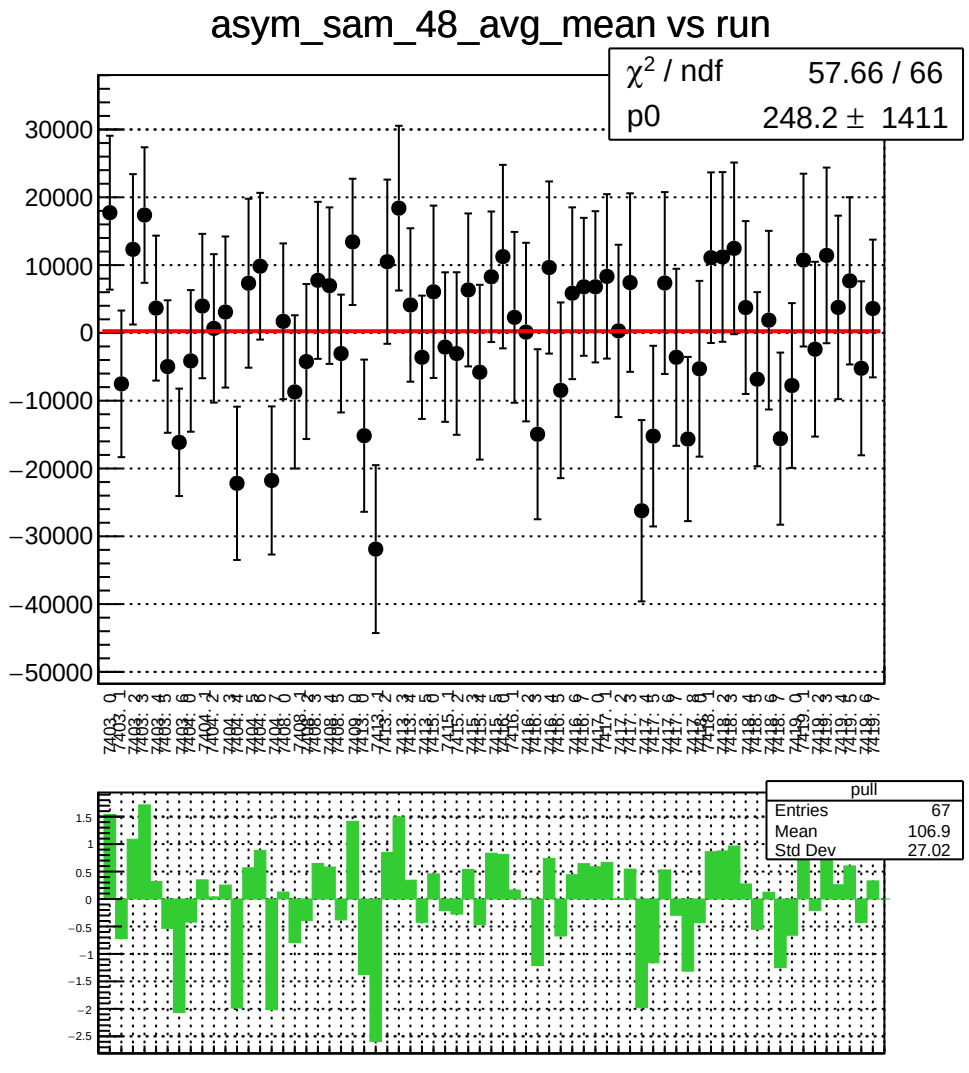

pull1D
Entries 67
Mean −0.03439
Std Dev 0.9179
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

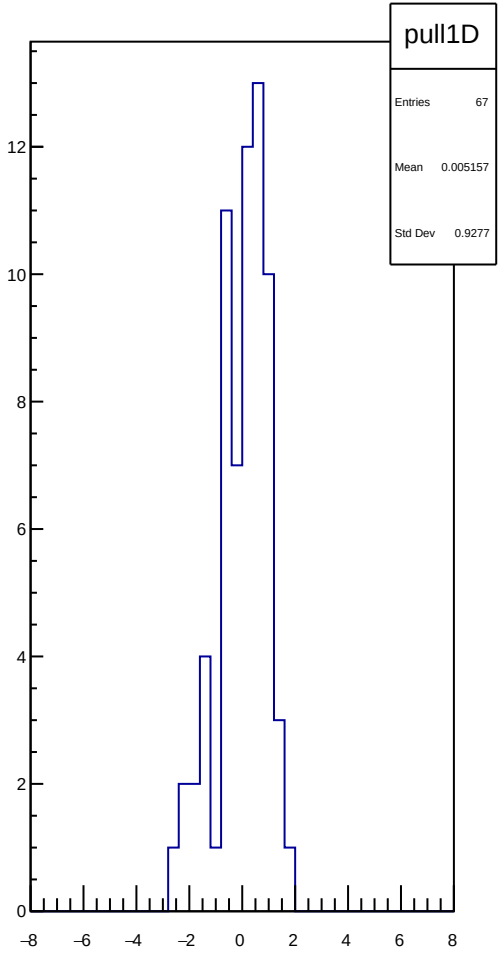

dit_asym_sam_48_avg_rms vs run
χ² / ndf 3.575e+04 / 66
p0 298.7 ± 0.2653
400
350
300
250
200

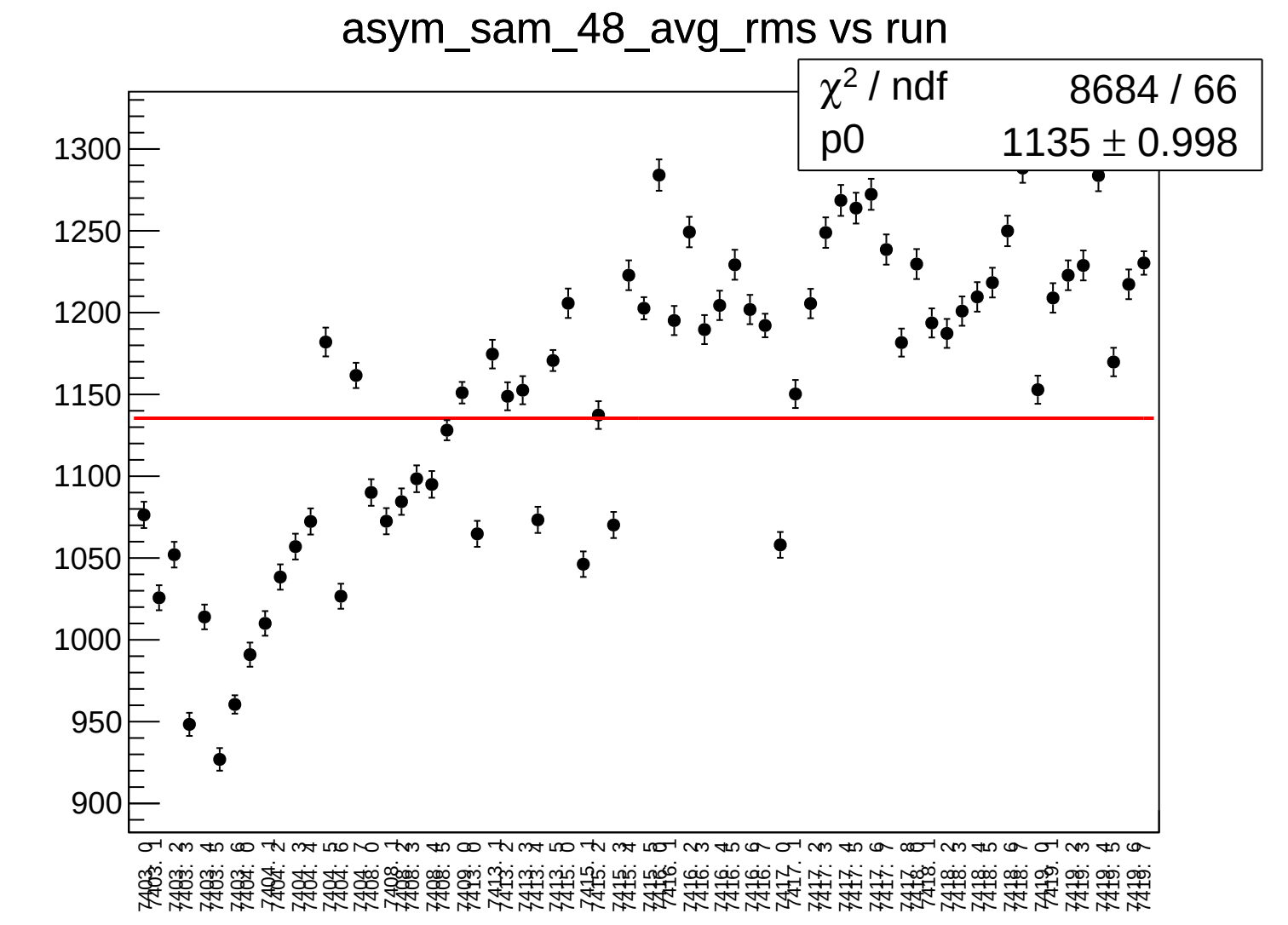

asym_sam_48_avg_correction_mean vs run
χ² / ndf 51.04 / 66
p0 −594 ± 1442
pull
Entries 67
Mean 305.9
Std Dev 258.7

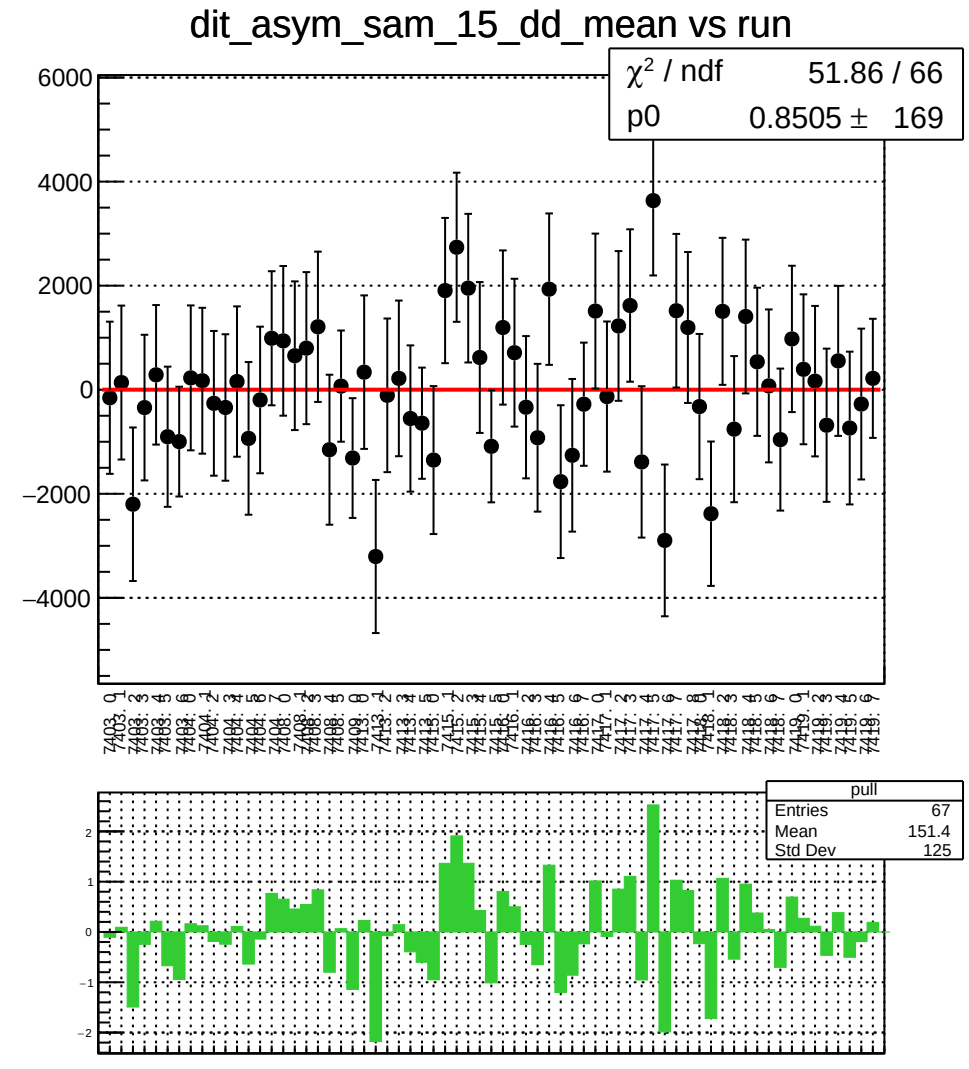

pull1D
Entries 67
Mean −0.002284
Std Dev 0.8728

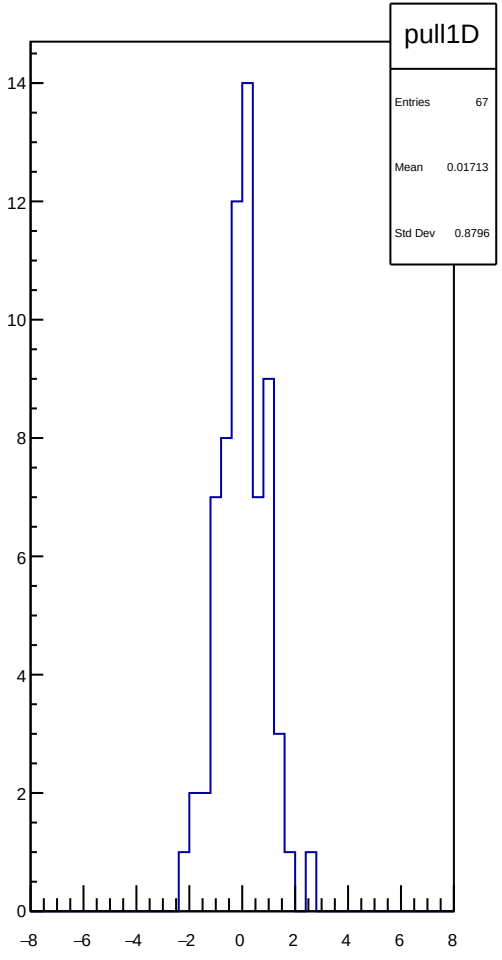

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2514 / 66
p0 1163 ± 1.02
1300
1250
1200
1150
1100
1050

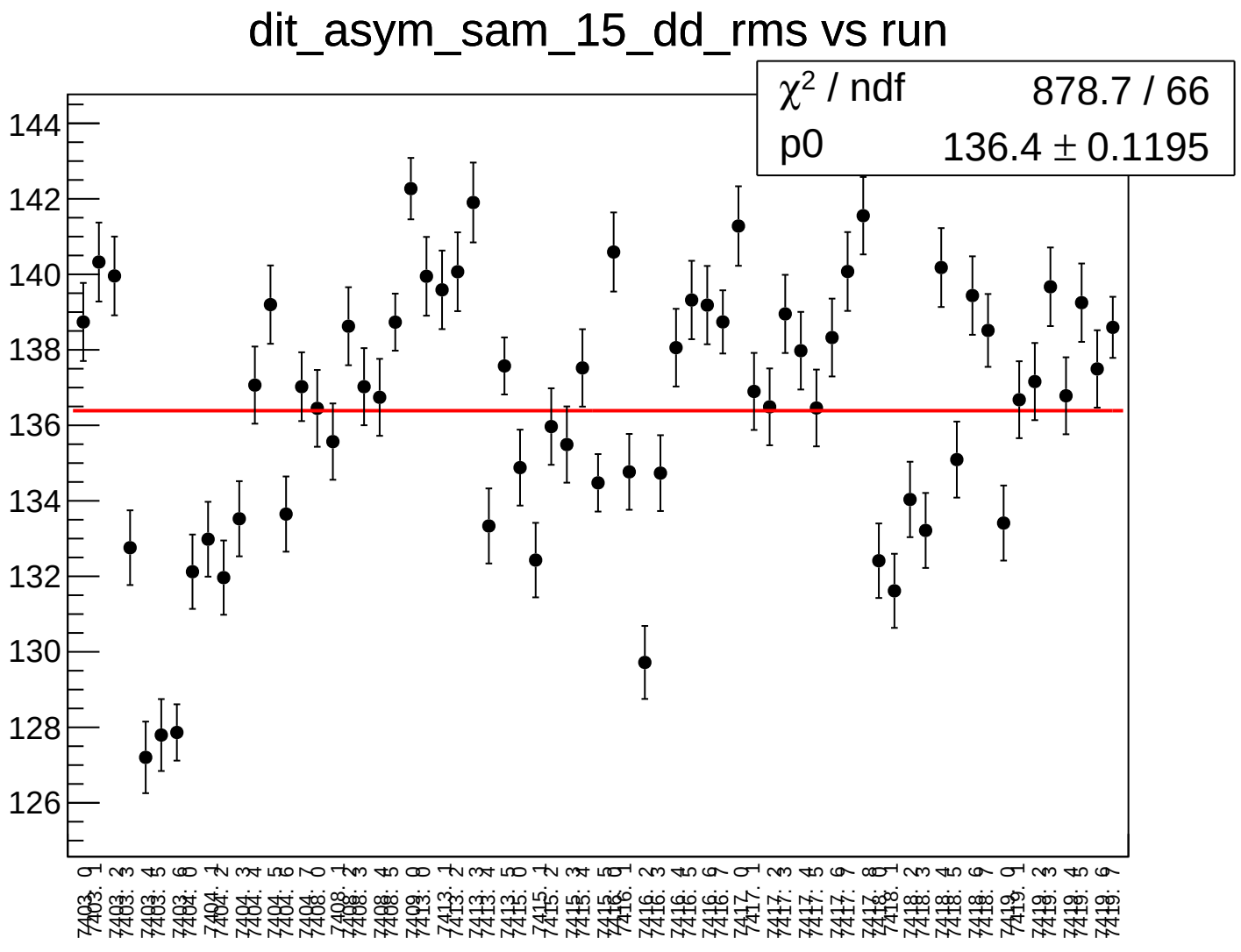

asym_sam_48_avg_mean vs run
χ² / ndf 57.66 / 66
p0 248.2 ± 1411
pull
Entries 67
Mean 106.9
Std Dev 27.02

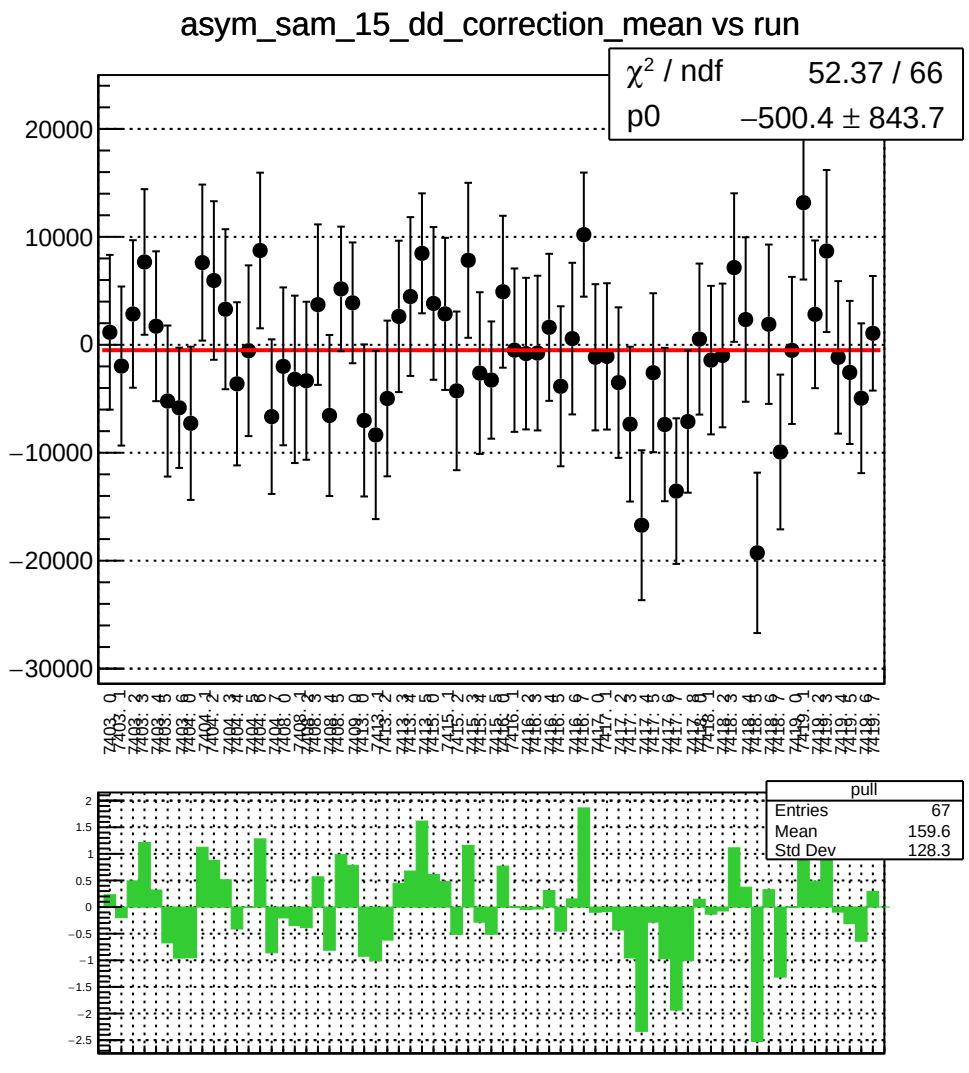

pull1D
Entries 67
Mean 0.005157
Std Dev 0.9277

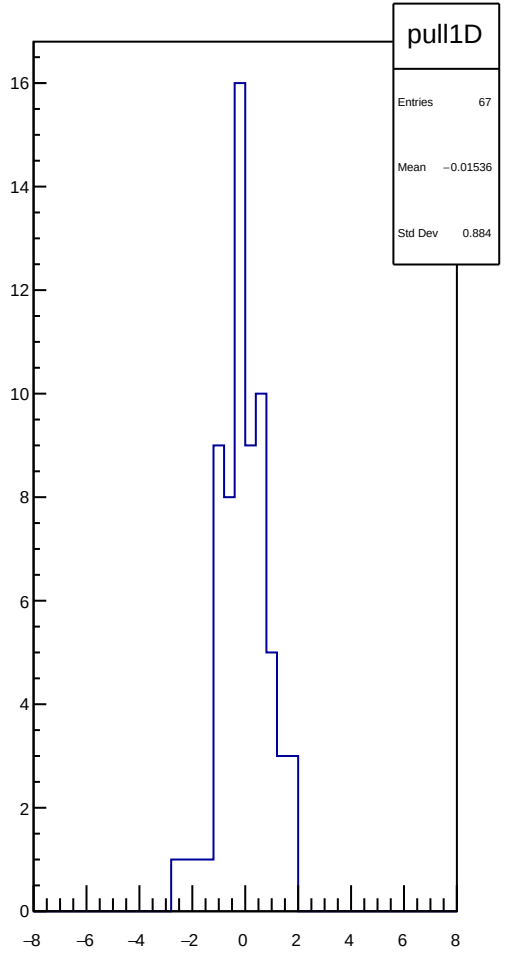

asym_sam_48_avg_rms vs run
χ² / ndf 8684 / 66
p0 1135 ± 0.998
1300
1250
1200
1150
1100
1050
1000
950
900

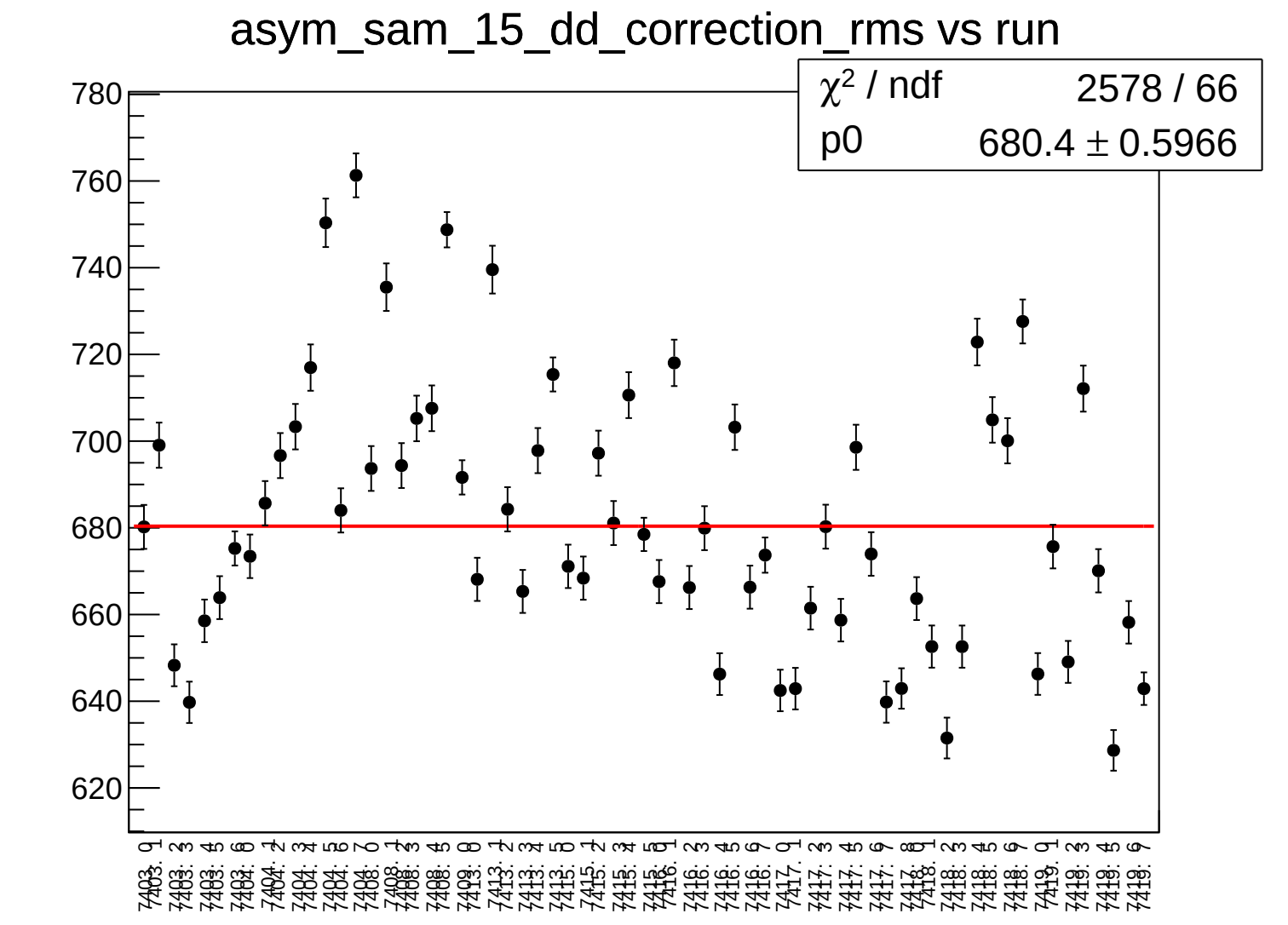

dit_asym_sam_15_dd_mean vs run
χ² / ndf 51.86 / 66
p0 0.8505 ± 169
pull
Entries 67
Mean 151.4
Std Dev 125

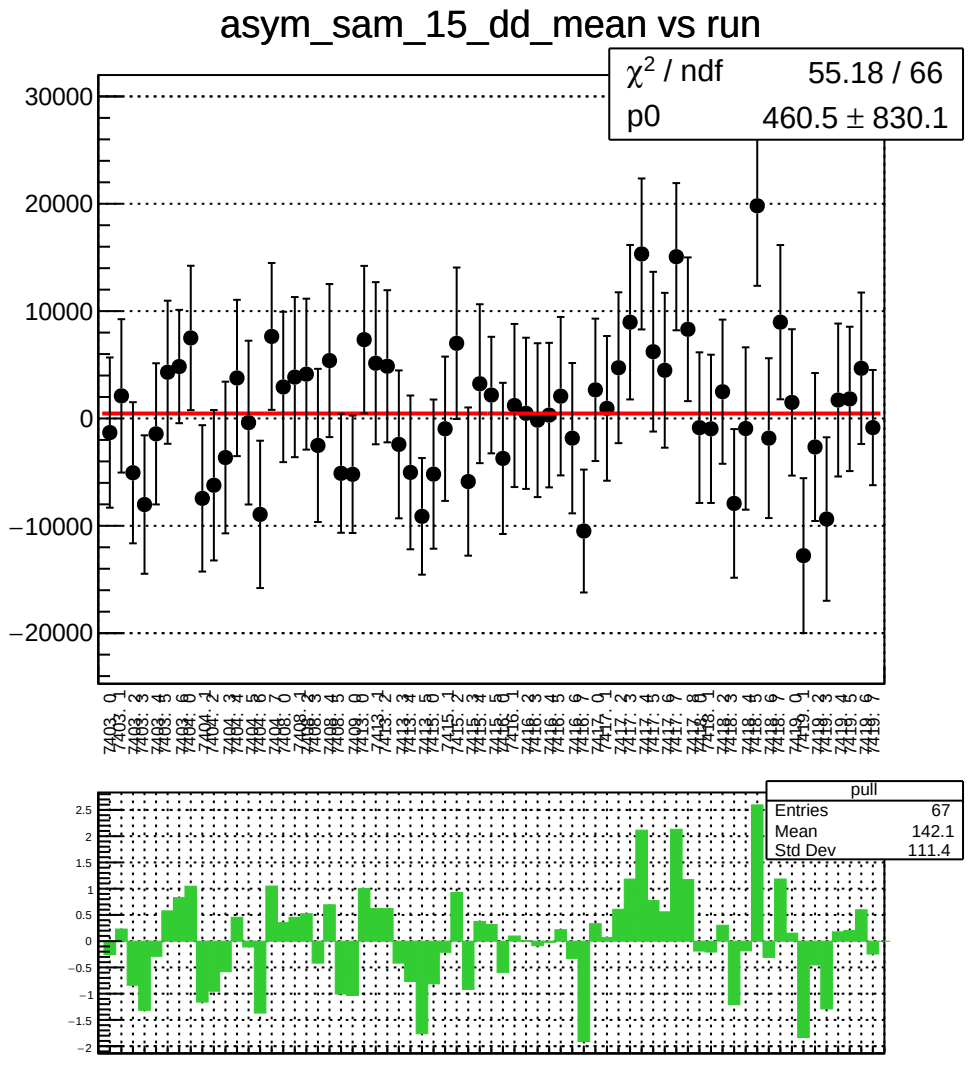

pull1D
Entries 67
Mean 0.01713
Std Dev 0.8796

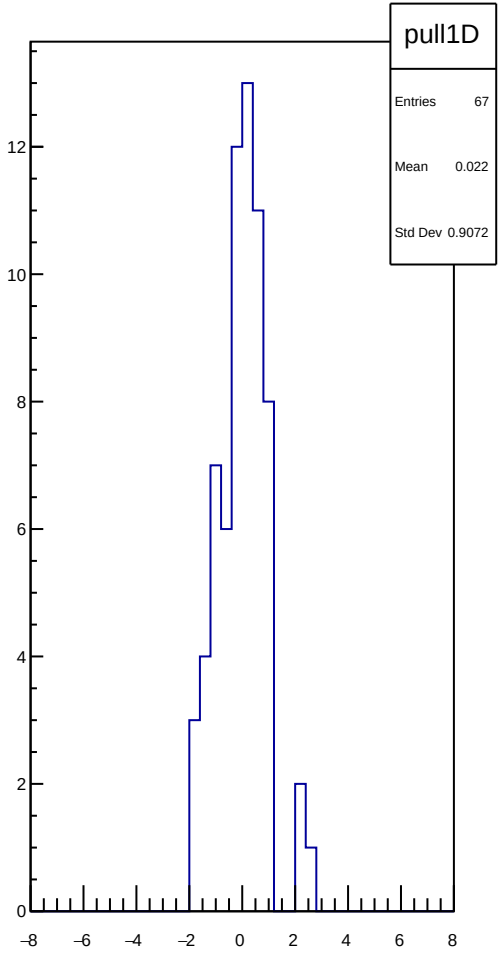

dit_asym_sam_15_dd_rms vs run
χ² / ndf 878.7 / 66
p0 136.4 ± 0.1195
144
142
140
138
136
134
132
130
128
126

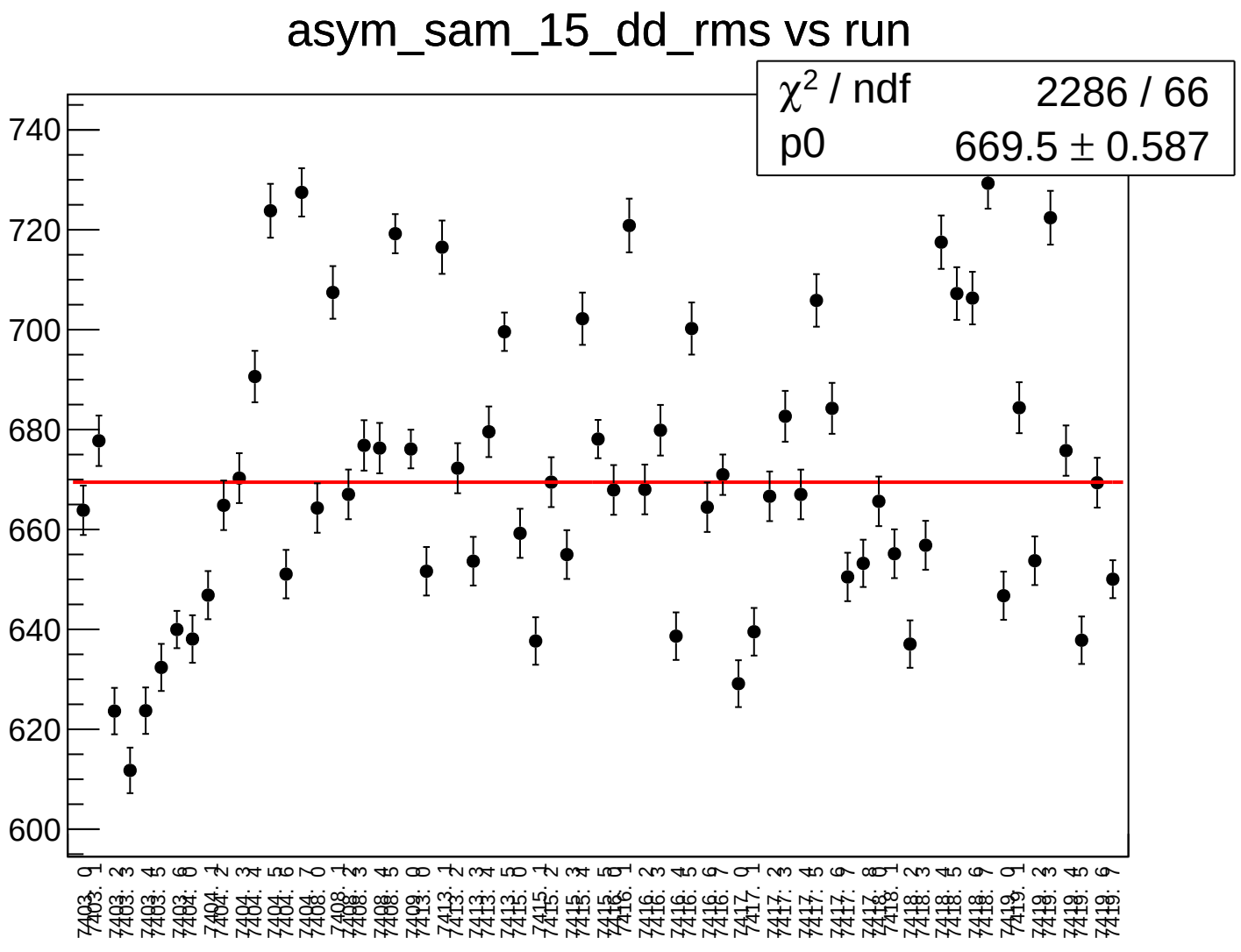

asym_sam_15_dd_correction_mean vs run
χ² / ndf 52.37 / 66
p0 −500.4 ± 843.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 159.6
Std Dev 128.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

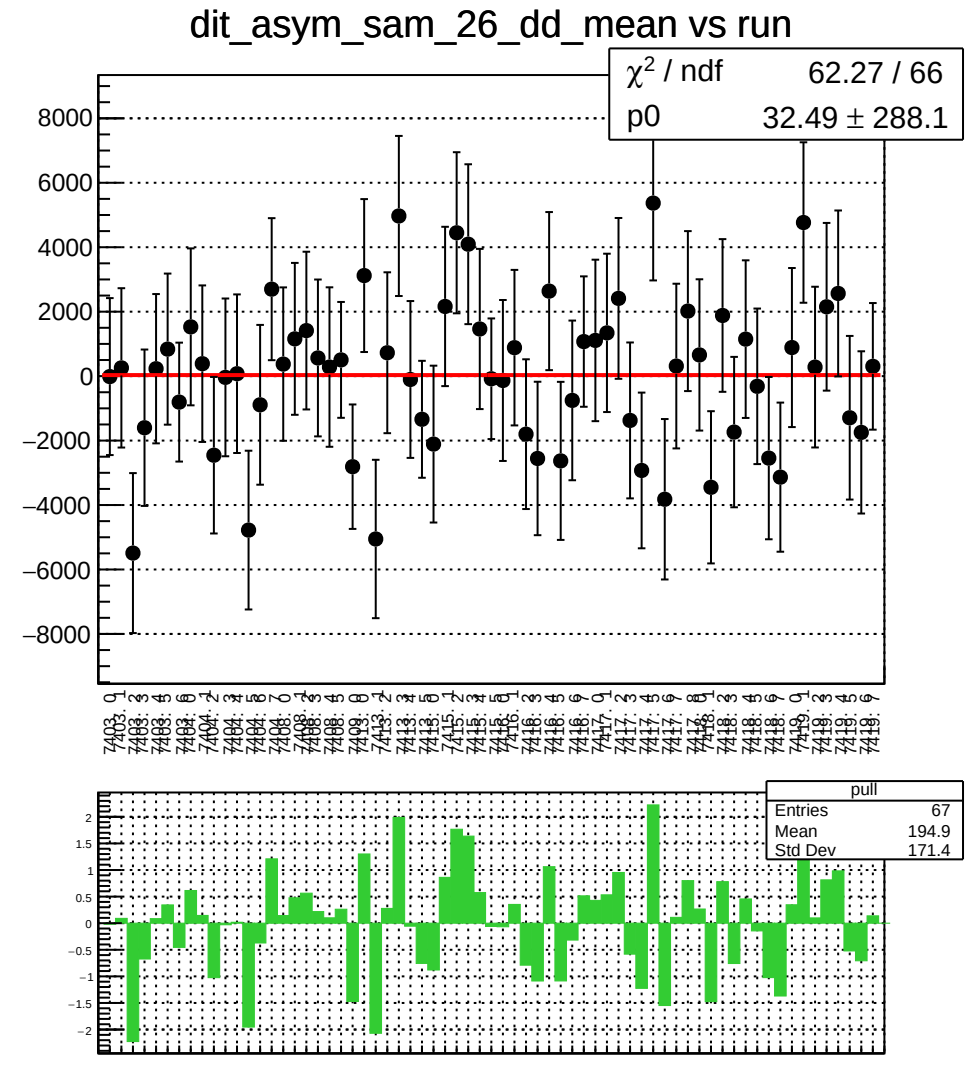

pull1D
Entries 67
Mean −0.01536
Std Dev 0.884
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

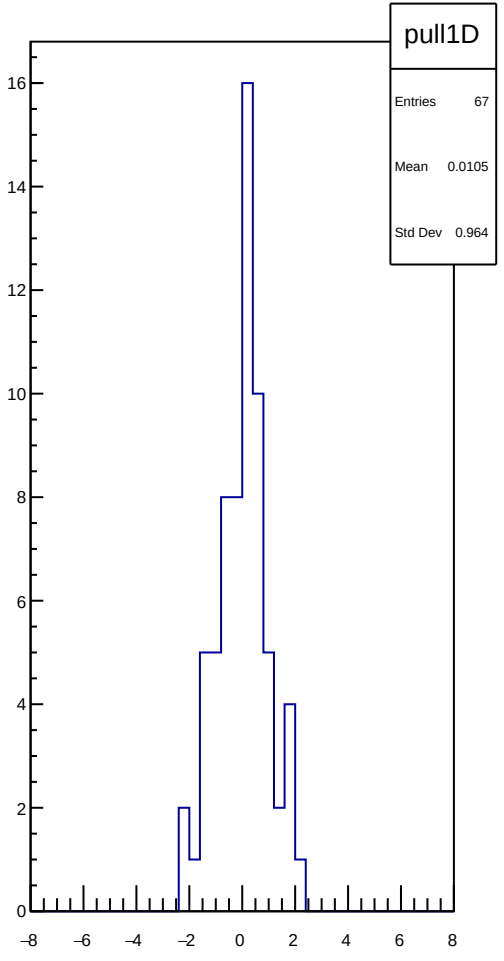

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2578 / 66
p0 680.4 ± 0.5966
780
760
740
720
700
680
660
640
620

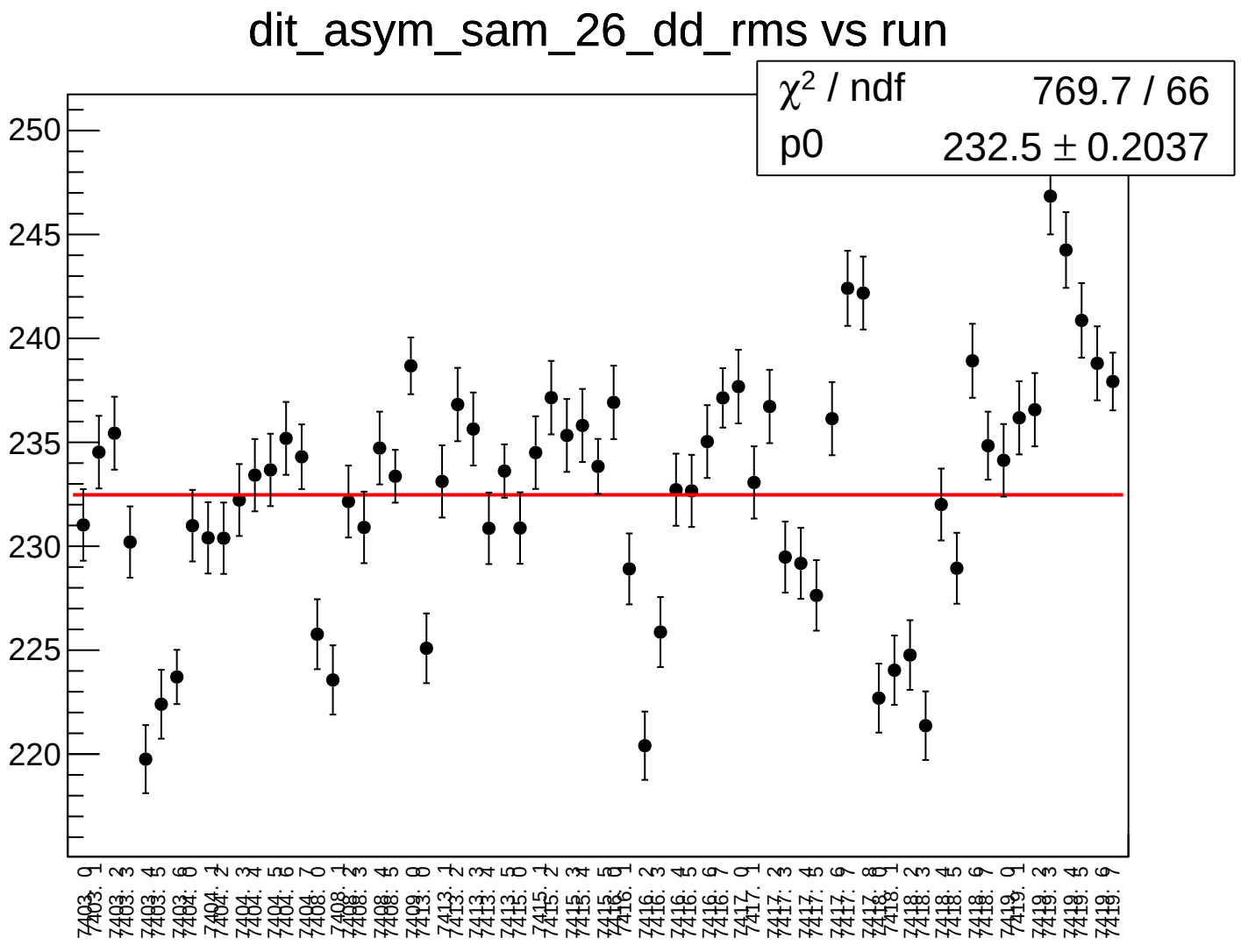

asym_sam_15_dd_mean vs run
χ² / ndf 55.18 / 66
p0 460.5 ± 830.1
30000
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 142.1
Std Dev 111.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

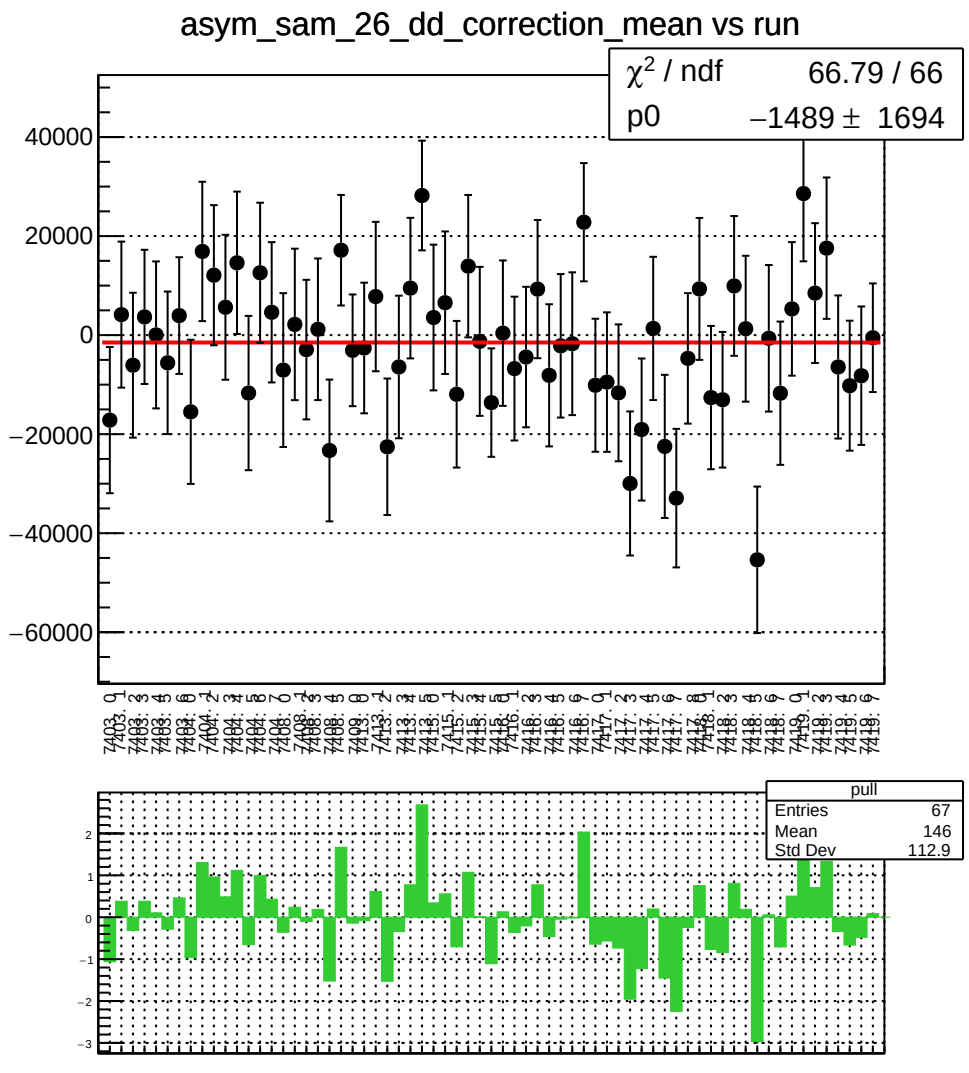

pull1D
Entries 67
Mean 0.022
Std Dev 0.9072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

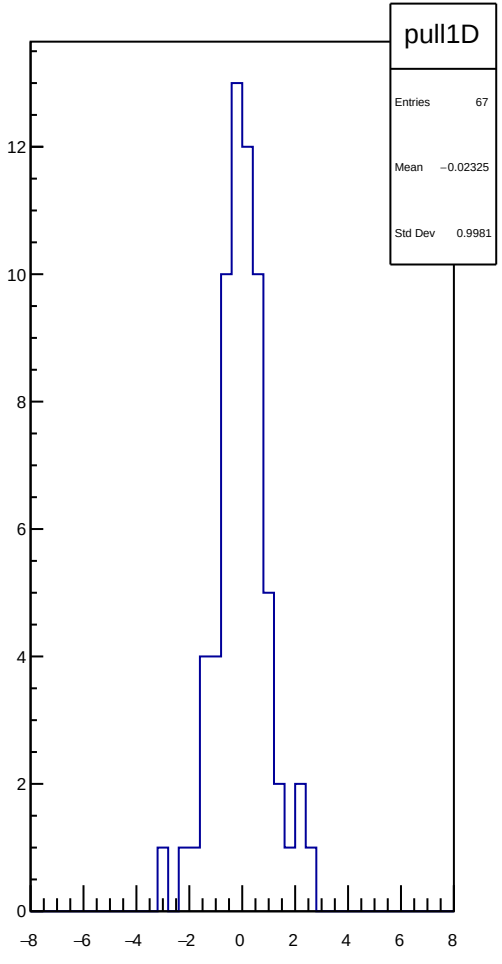

asym_sam_15_dd_rms vs run
$\chi^2$ / ndf 2286 / 66
p0 669.5 ± 0.587
740
720
700
680
660
640
620
600

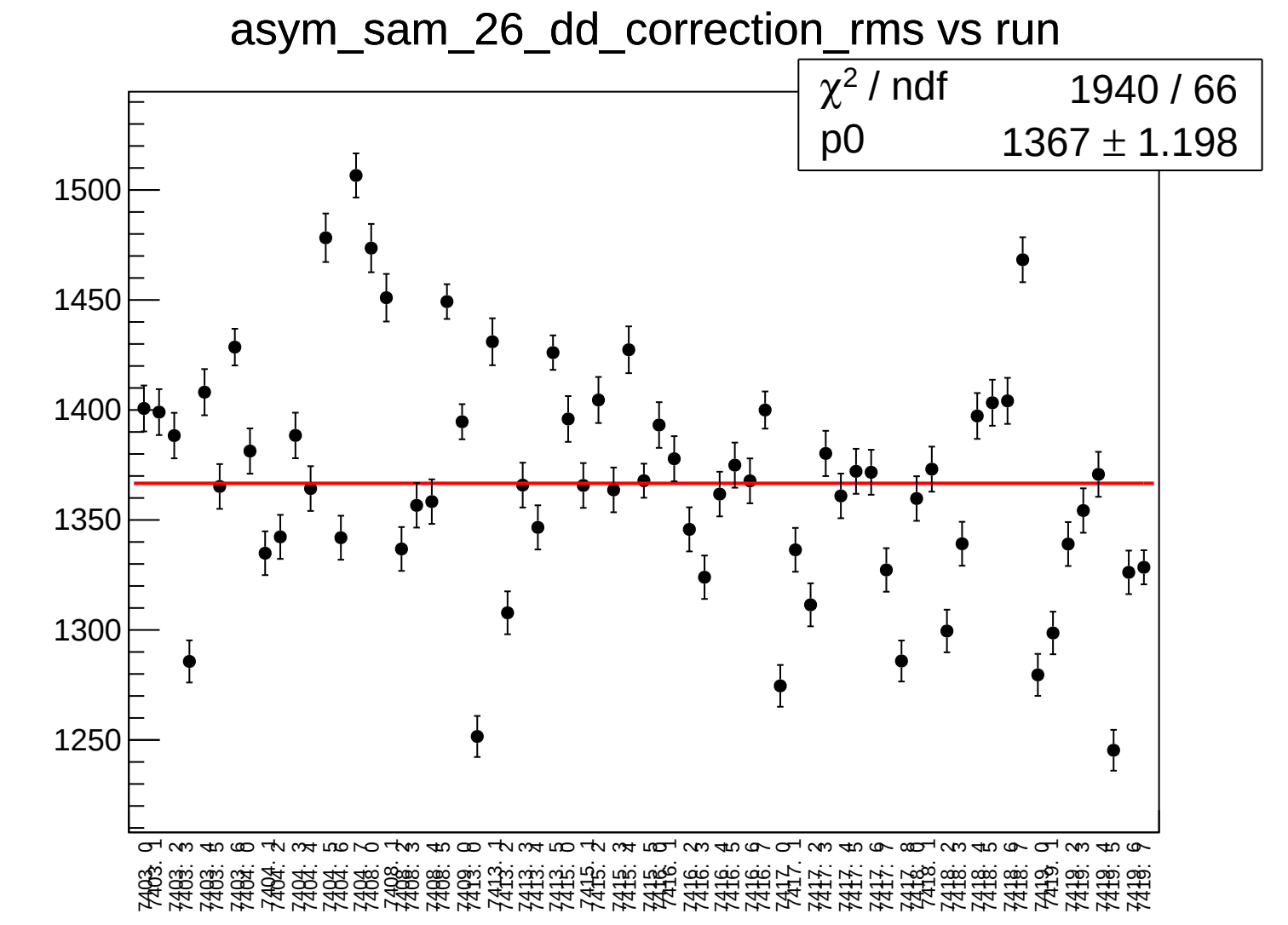

dit_asym_sam_26_dd_mean vs run
χ² / ndf 62.27 / 66
p0 32.49 ± 288.1
pull
Entries 67
Mean 194.9
Std Dev 171.4

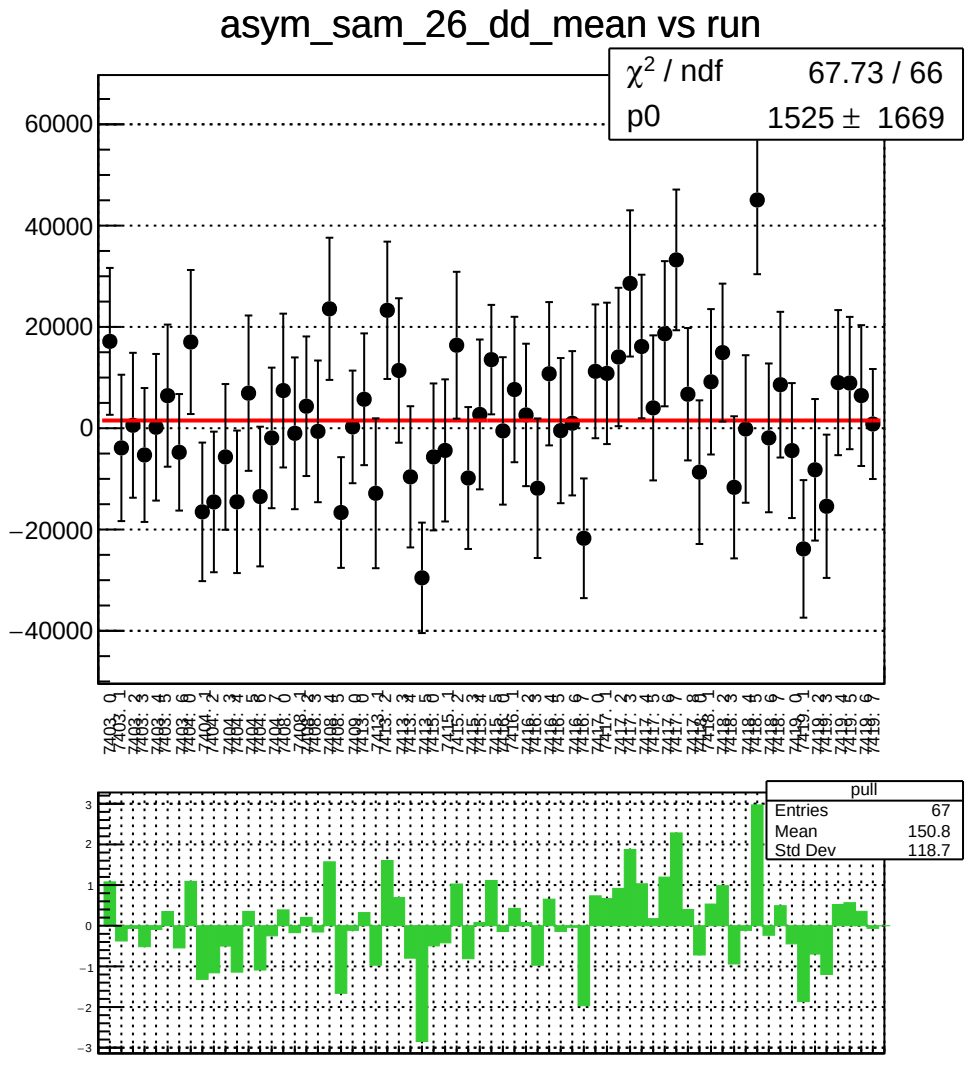

pull1D
Entries 67
Mean 0.0105
Std Dev 0.964

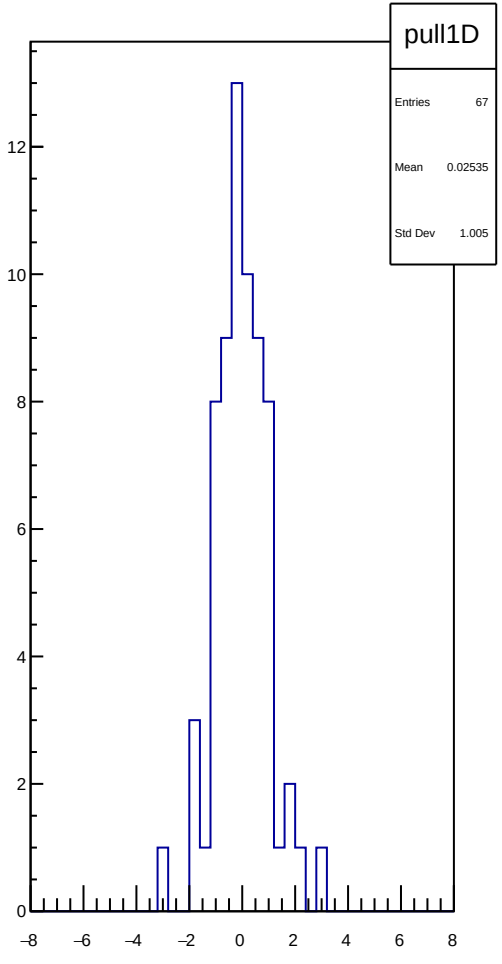

dit_asym_sam_26_dd_rms vs run
χ² / ndf 769.7 / 66
p0 232.5 ± 0.2037
250
245
240
235
230
225
220

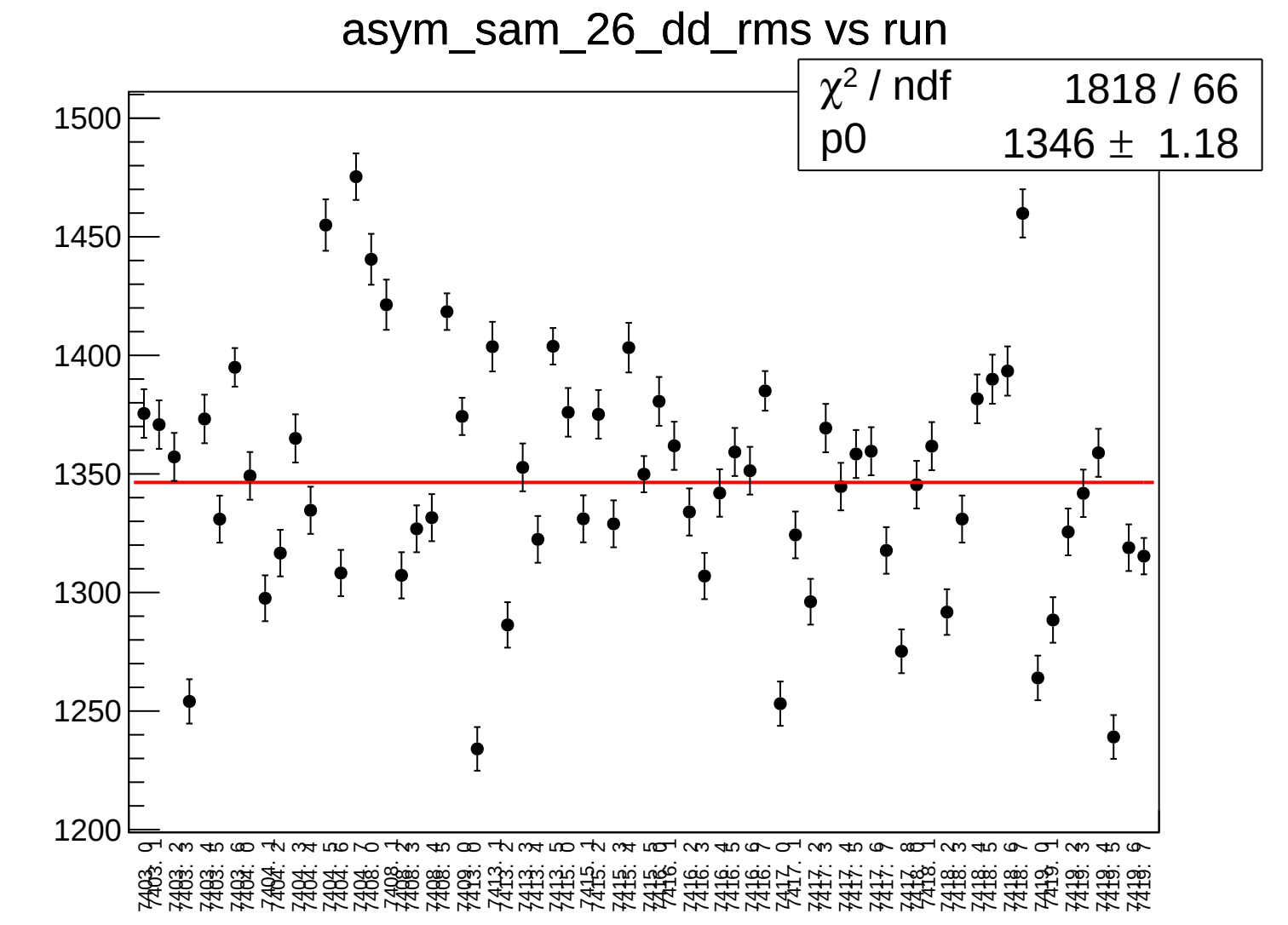

asym_sam_26_dd_correction_mean vs run
χ² / ndf 66.79 / 66
p0 −1489 ± 1694
40000
20000
0
−20000
−40000
−60000
pull
Entries 67
Mean 146
Std Dev 112.9
2
1
0
−1
−2
−3

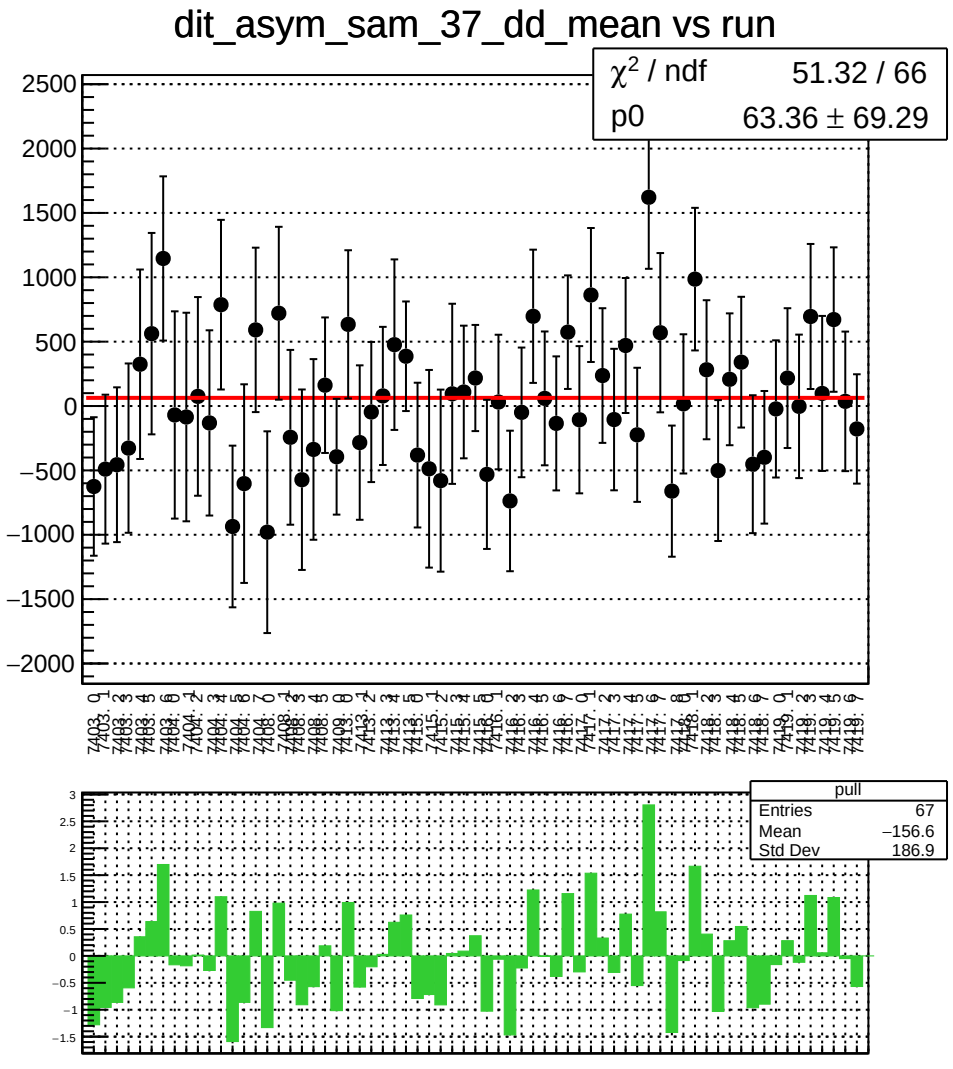

pull1D
Entries 67
Mean −0.02325
Std Dev 0.9981
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

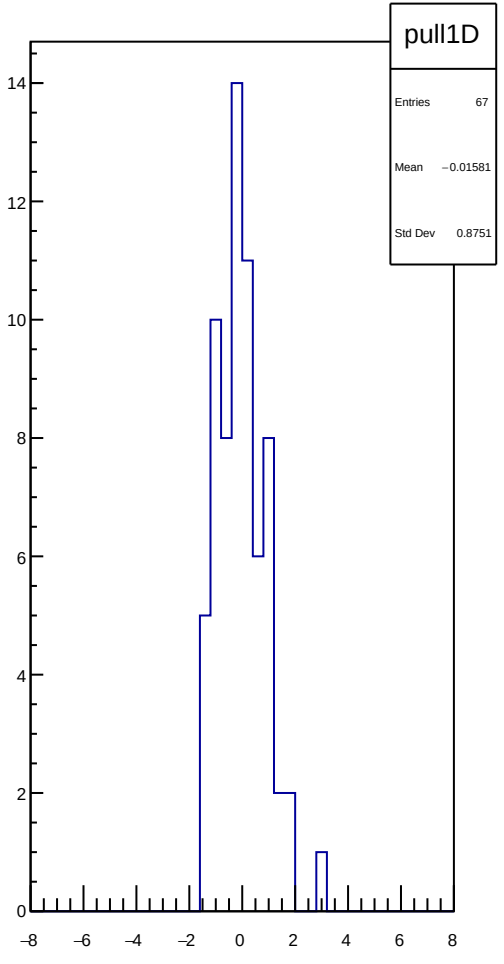

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1940 / 66
p0 1367 ± 1.198
1500
1450
1400
1350
1300
1250

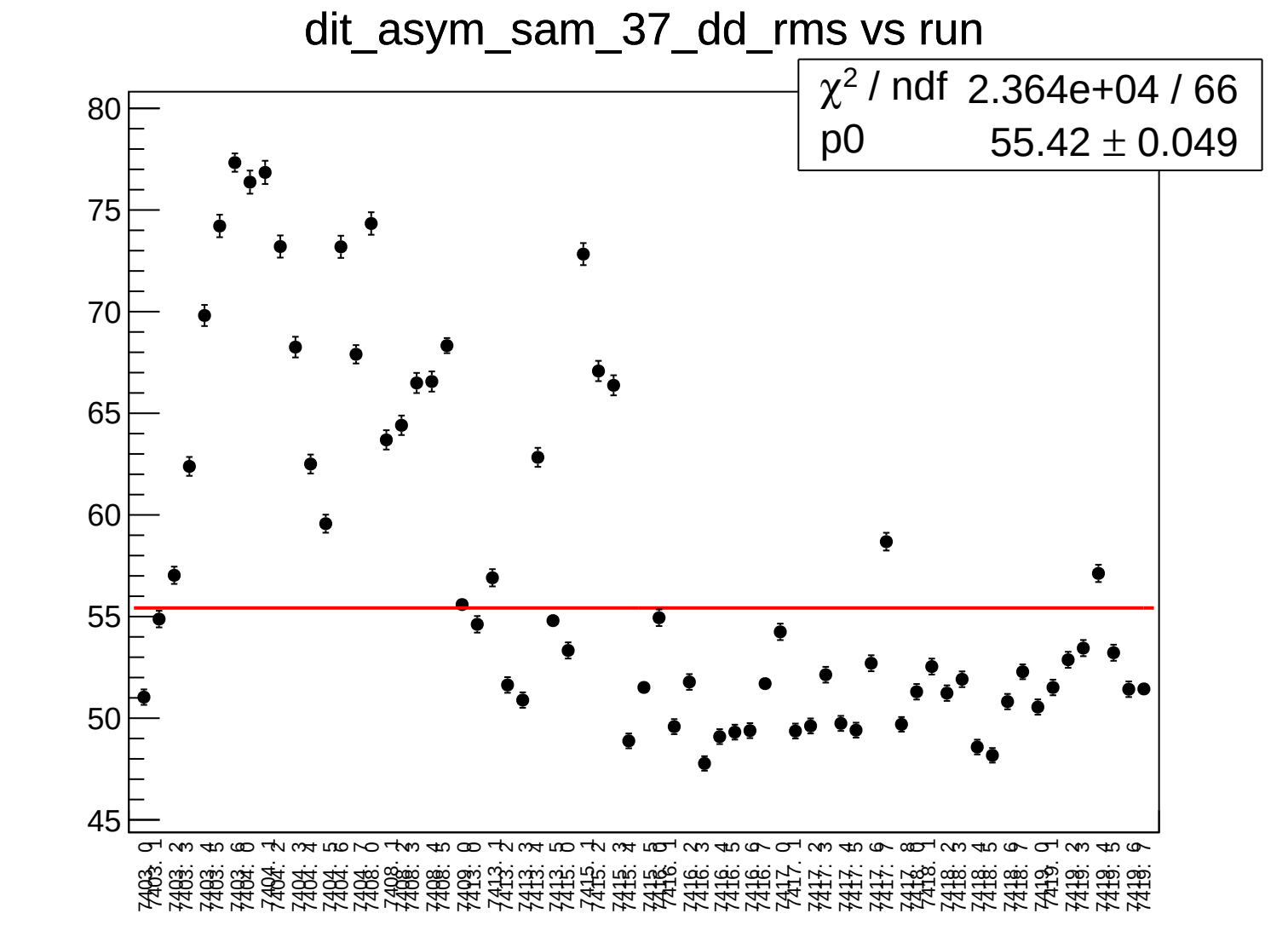

asym_sam_26_dd_mean vs run
χ² / ndf 67.73 / 66
p0 1525 ± 1669
60000
40000
20000
0
−20000
−40000
pull
Entries 67
Mean 150.8
Std Dev 118.7
3
2
1
0
−1
−2
−3

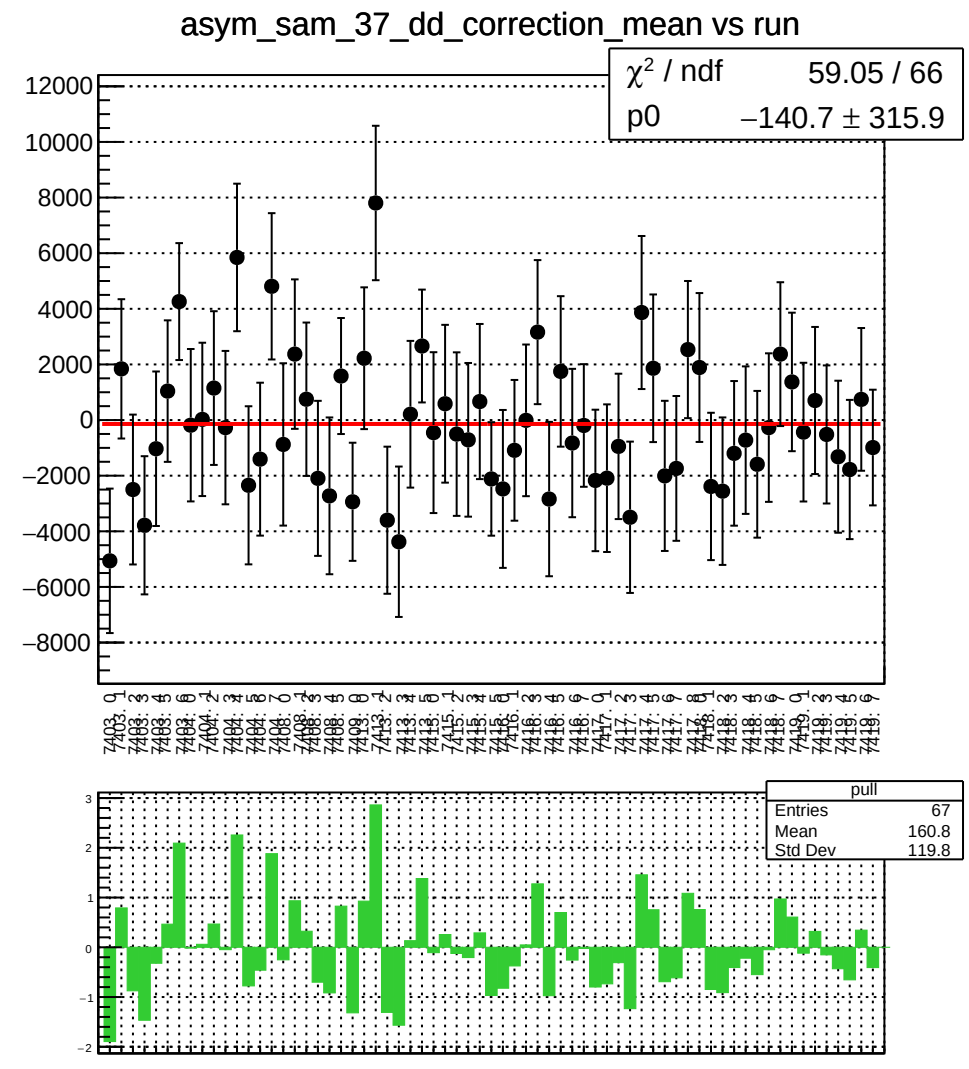

pull1D
Entries 67
Mean 0.02535
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

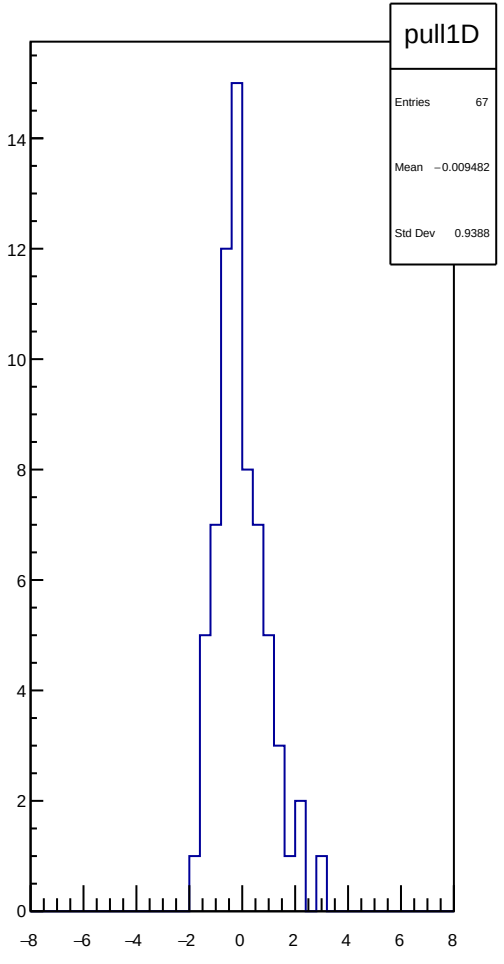

asym_sam_26_dd_rms vs run
χ² / ndf 1818 / 66
p0 1346 ± 1.18
1500
1450
1400
1350
1300
1250
1200

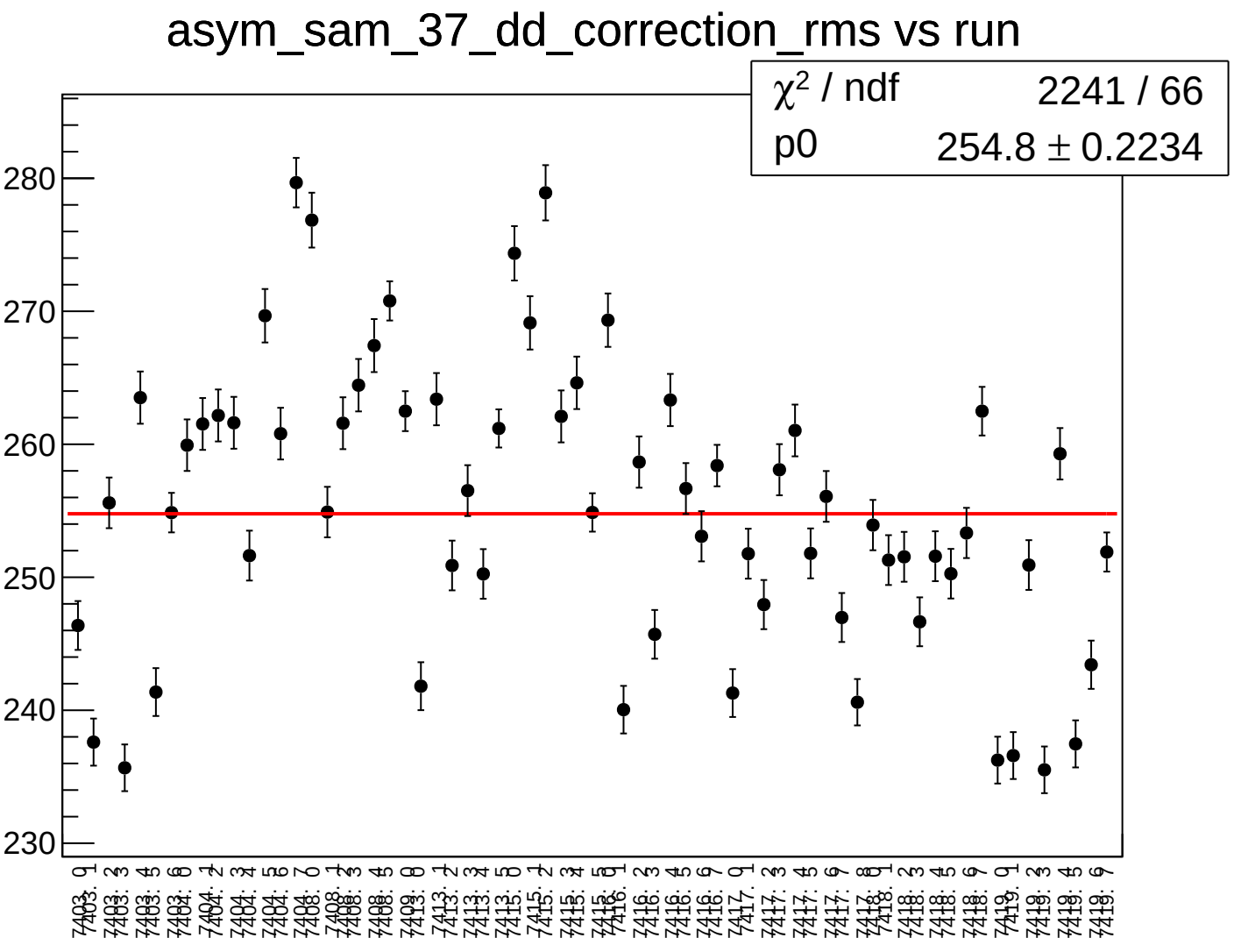

dit_asym_sam_37_dd_mean vs run
χ² / ndf 51.32 / 66
p0 63.36 ± 69.29
pull
Entries 67
Mean −156.6
Std Dev 186.9

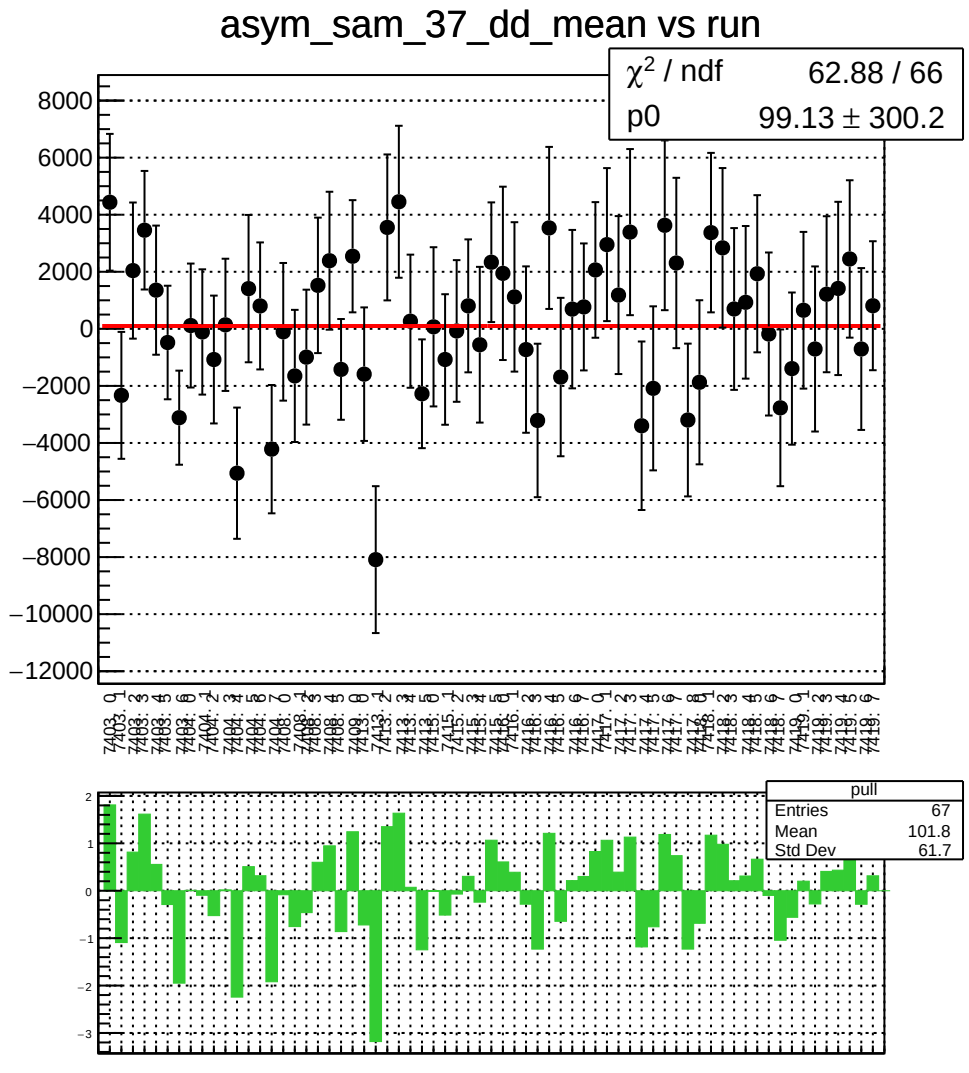

pull1D
Entries 67
Mean −0.01581
Std Dev 0.8751

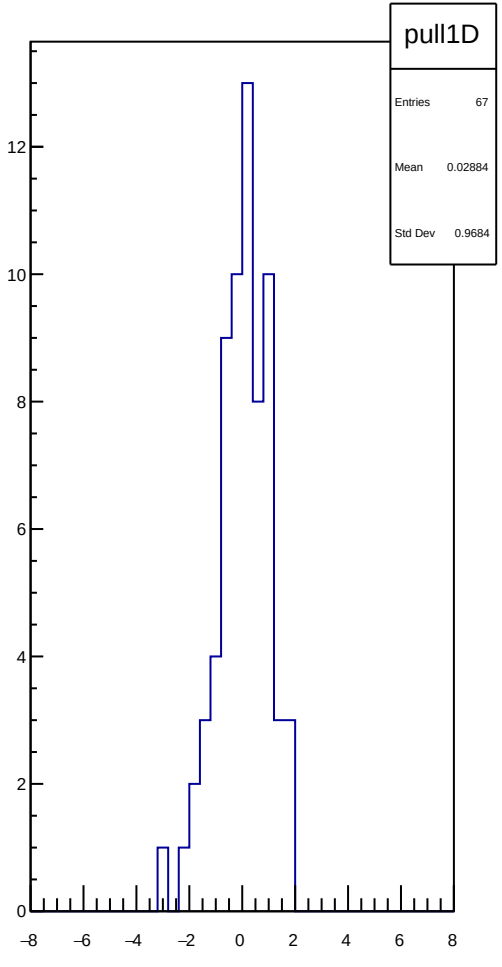

dit_asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 2.364e+04 / 66
p0 55.42 ± 0.049
80
75
70
65
60
55
50
45

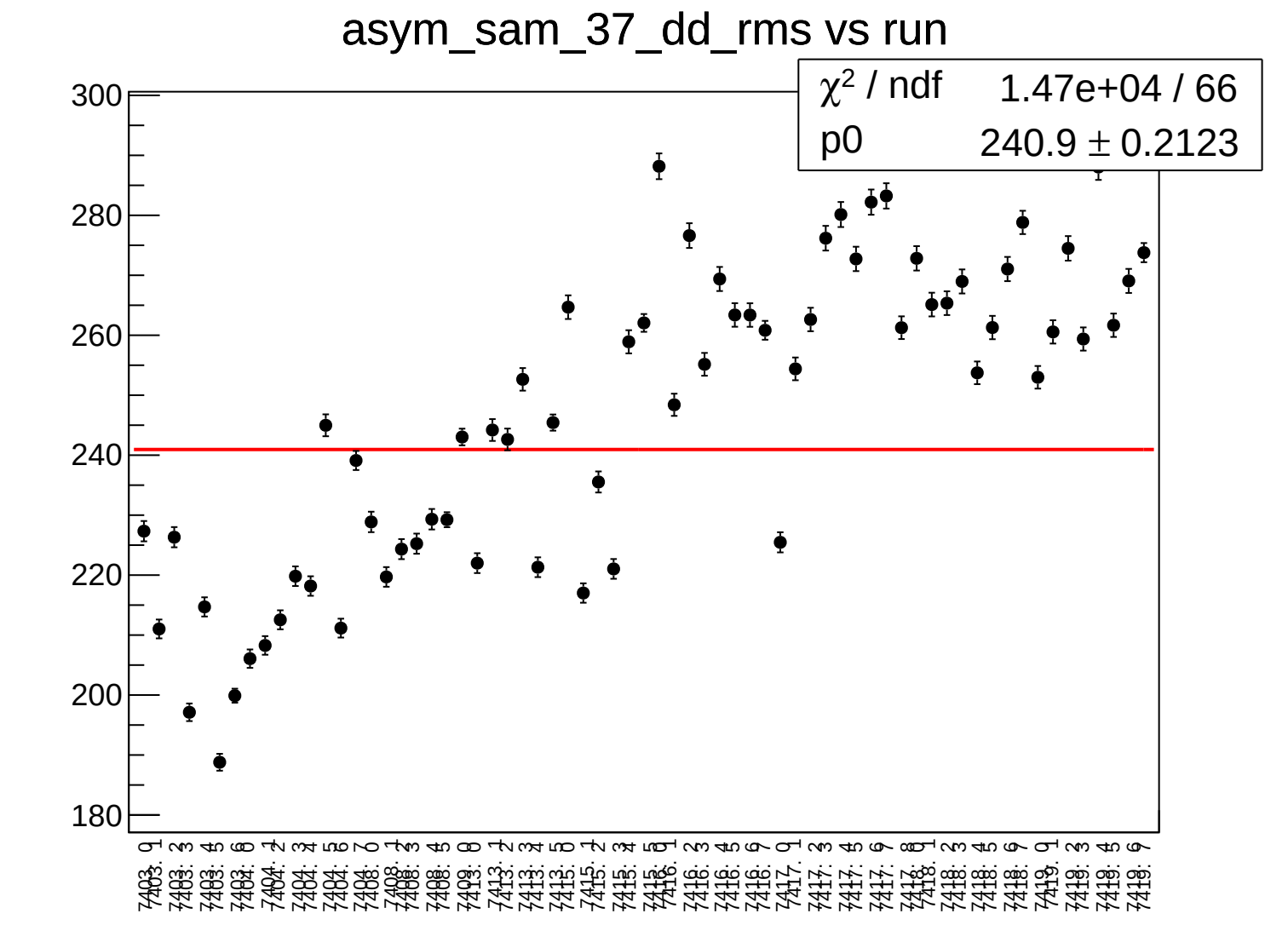

asym_sam_37_dd_correction_mean vs run
χ² / ndf 59.05 / 66
p0 −140.7 ± 315.9
pull
Entries 67
Mean 160.8
Std Dev 119.8

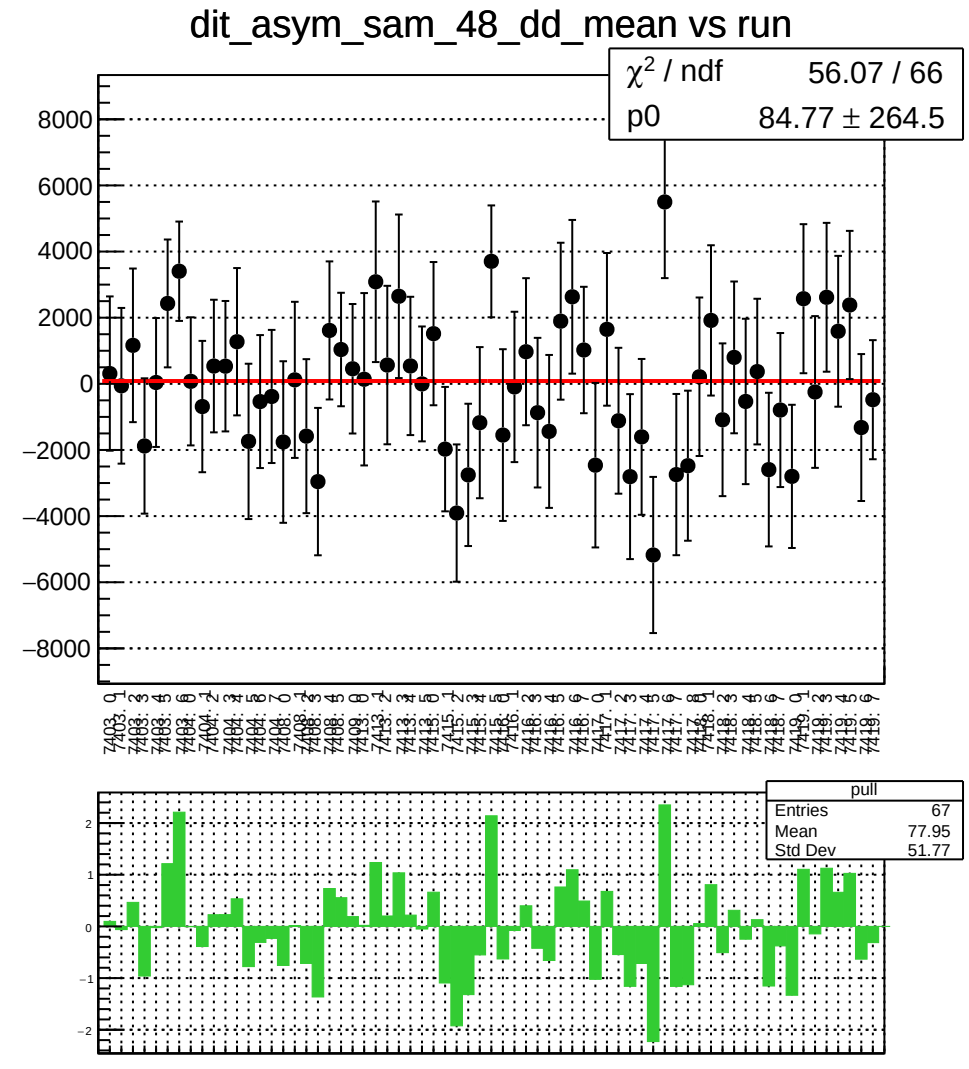

pull1D
Entries 67
Mean −0.009482
Std Dev 0.9388

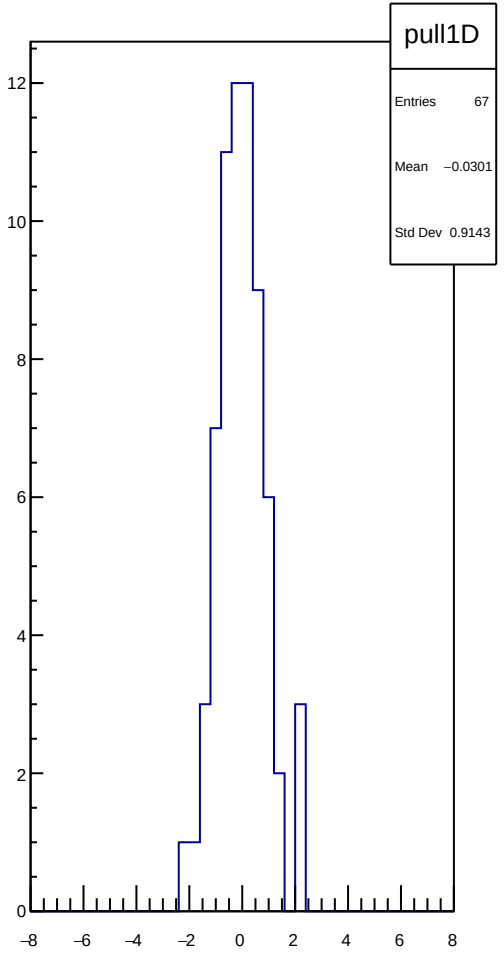

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2241 / 66
p0 254.8 ± 0.2234
280
270
260
250
240
230

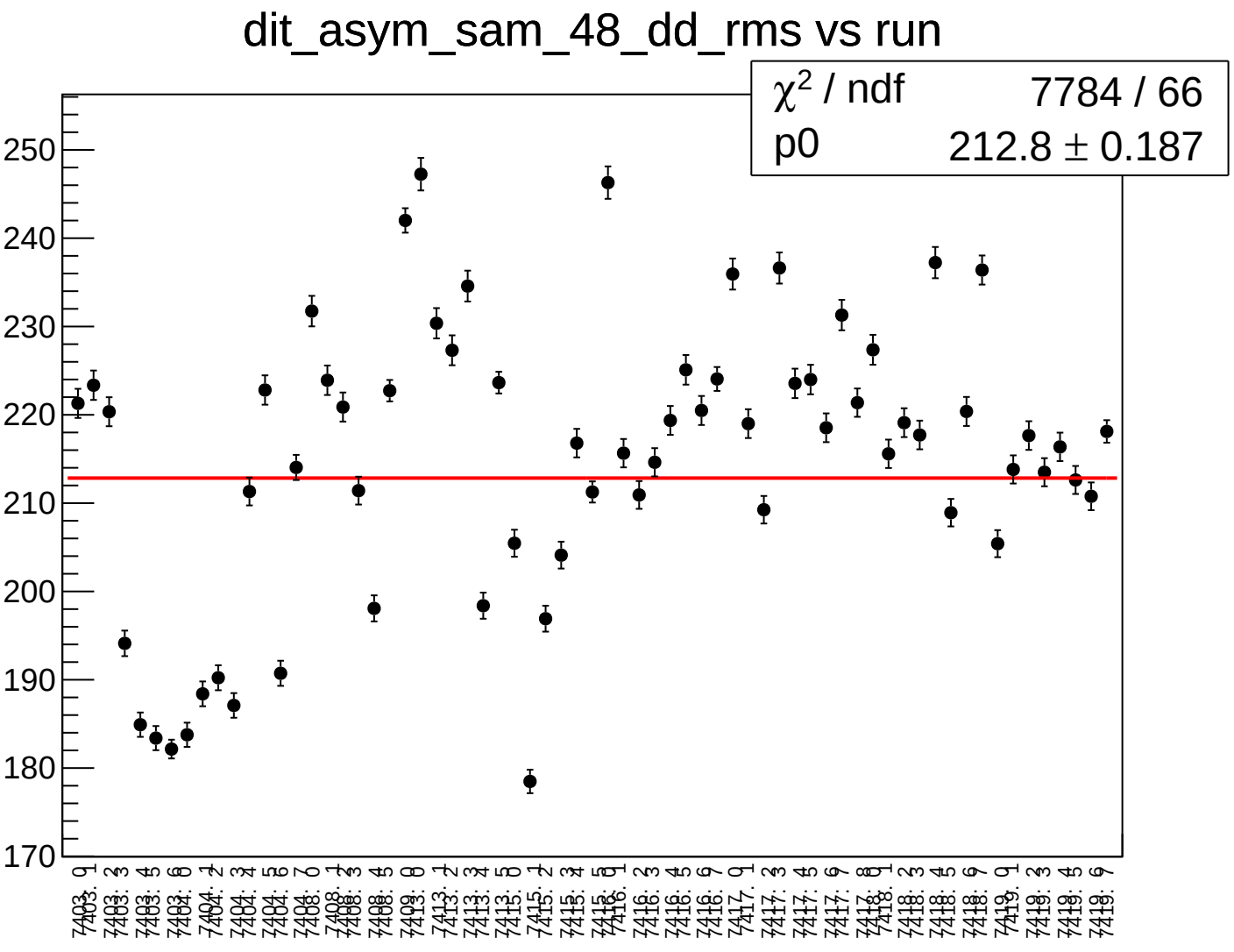

asym_sam_37_dd_mean vs run
χ² / ndf 62.88 / 66
p0 99.13 ± 300.2
pull
Entries 67
Mean 101.8
Std Dev 61.7

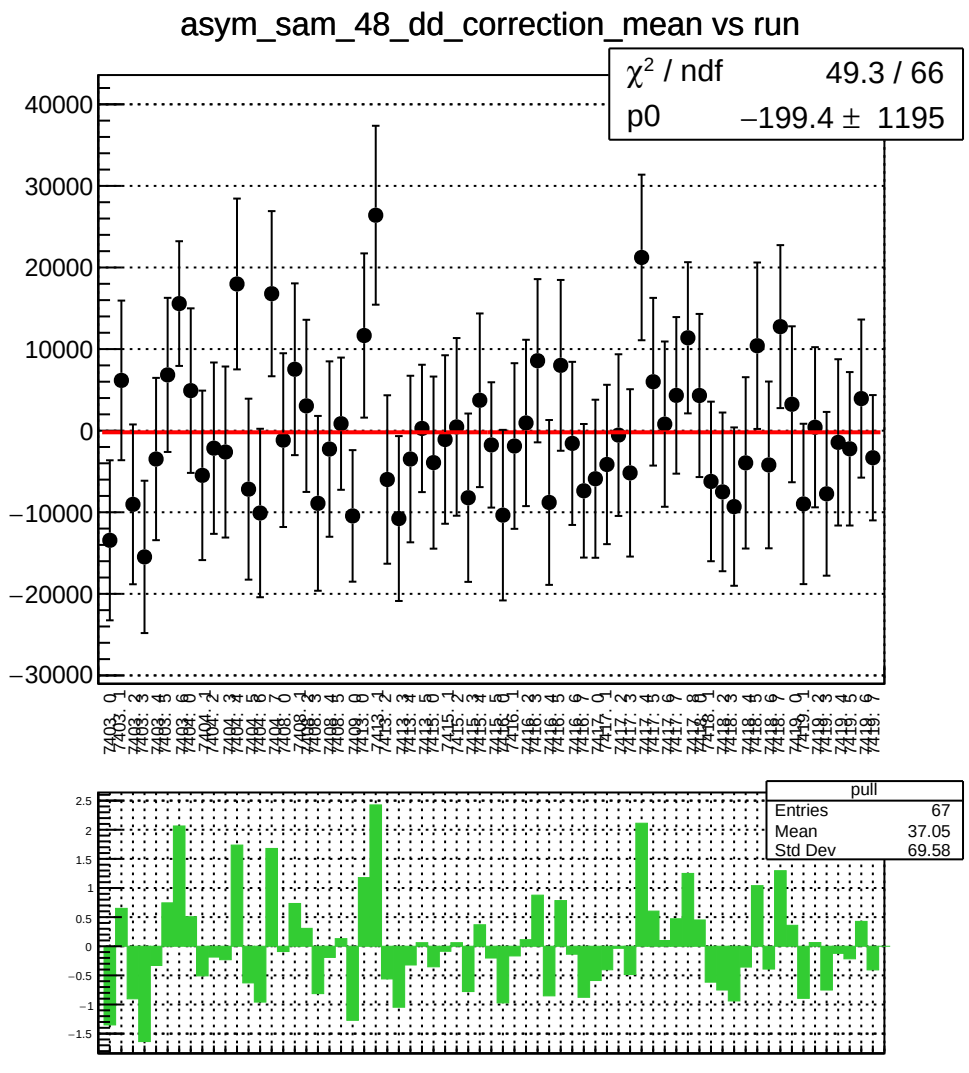

pull1D
Entries 67
Mean 0.02884
Std Dev 0.9684

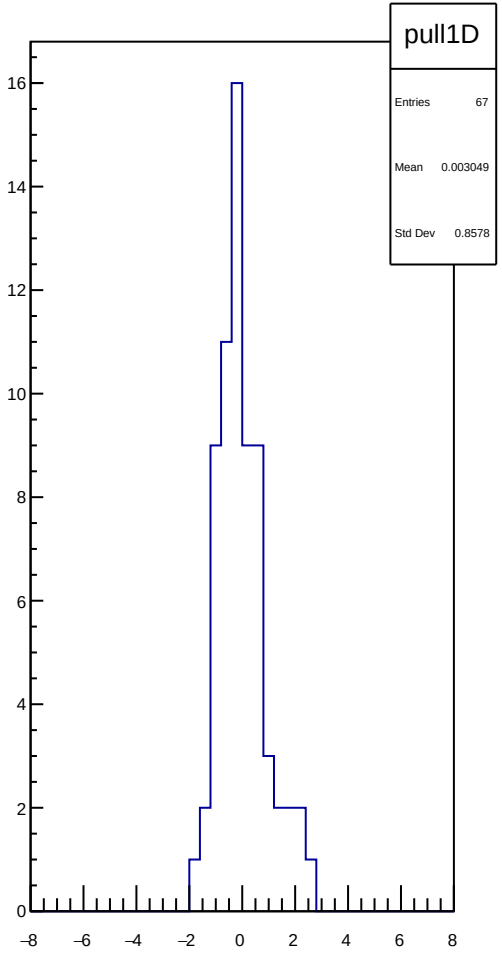

asym_sam_37_dd_rms vs run
χ² / ndf 1.47e+04 / 66
p0 240.9 ± 0.2123
300
280
260
240
220
200
180

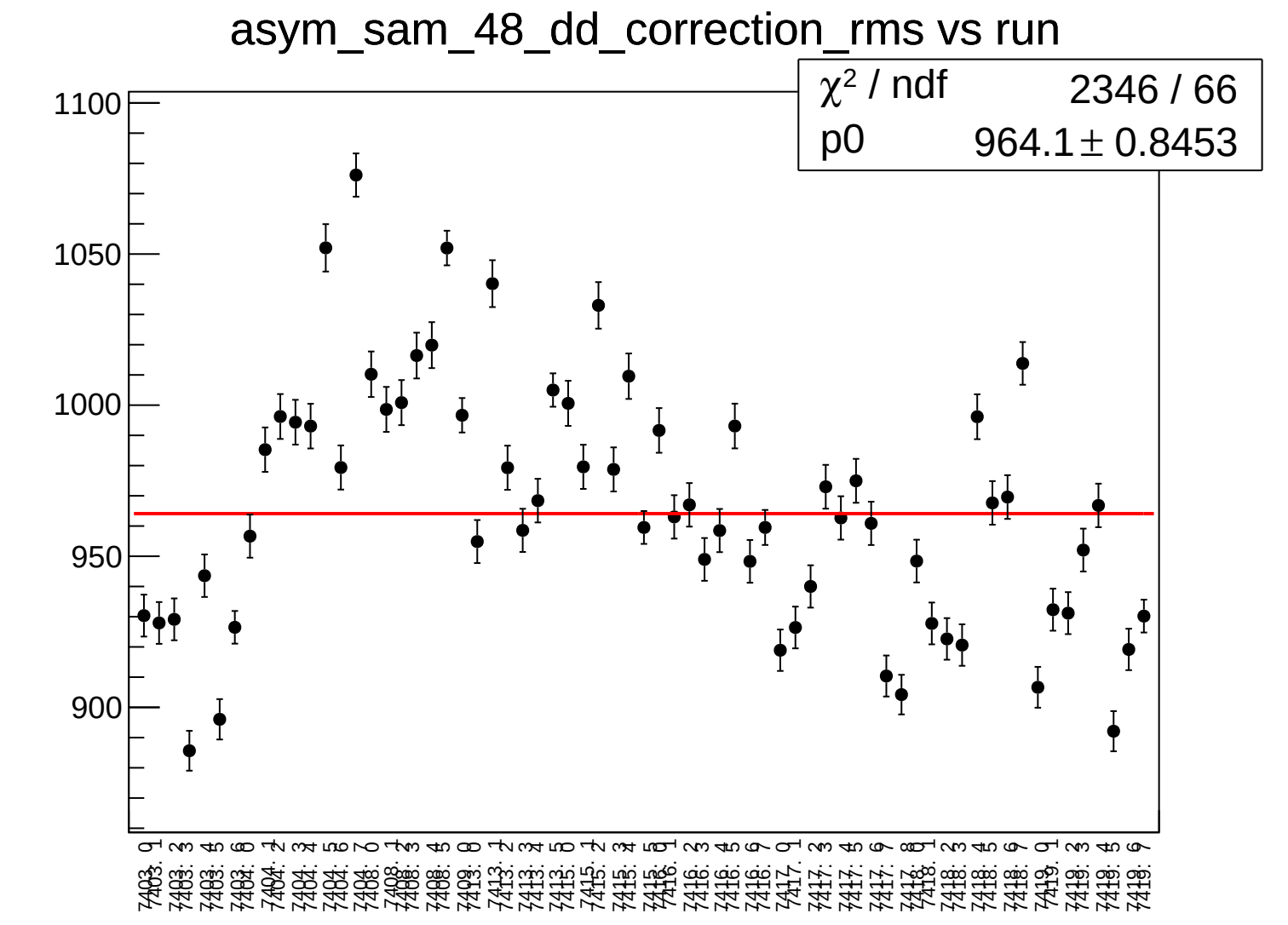

dit_asym_sam_48_dd_mean vs run
χ² / ndf 56.07 / 66
p0 84.77 ± 264.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 67
Mean 77.95
Std Dev 51.77
2
1
0
−1
−2

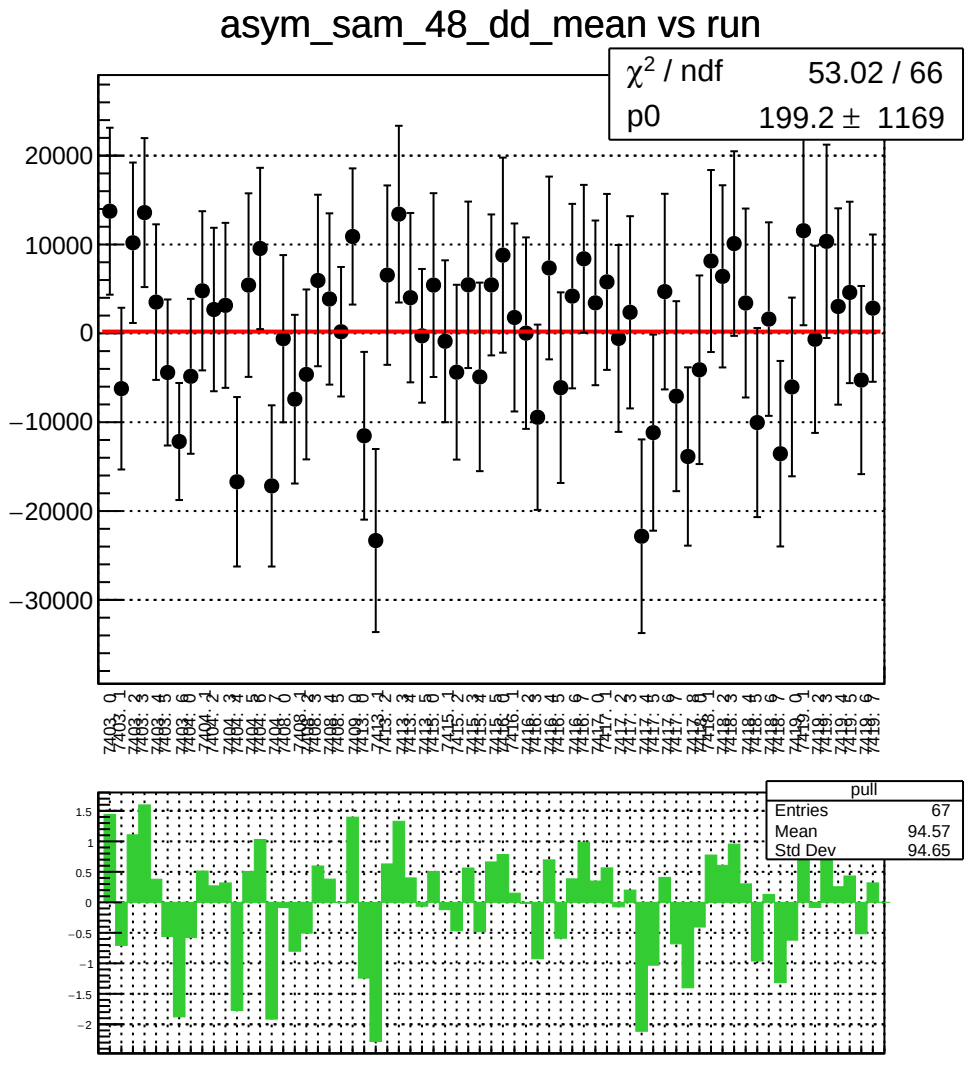

pull1D
Entries 67
Mean −0.0301
Std Dev 0.9143
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

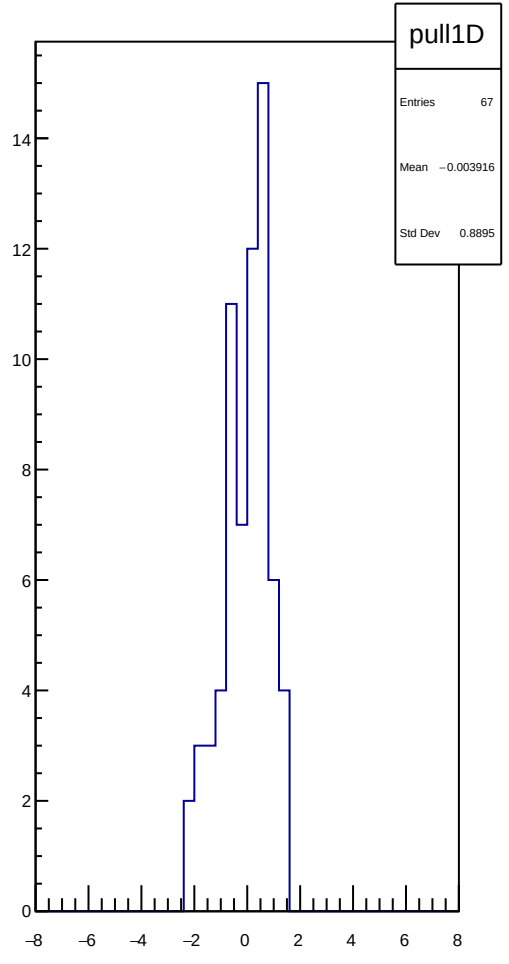

dit_asym_sam_48_dd_rms vs run
$\chi^2$ / ndf 7784 / 66
p0 212.8 ± 0.187
250
240
230
220
210
200
190
180
170

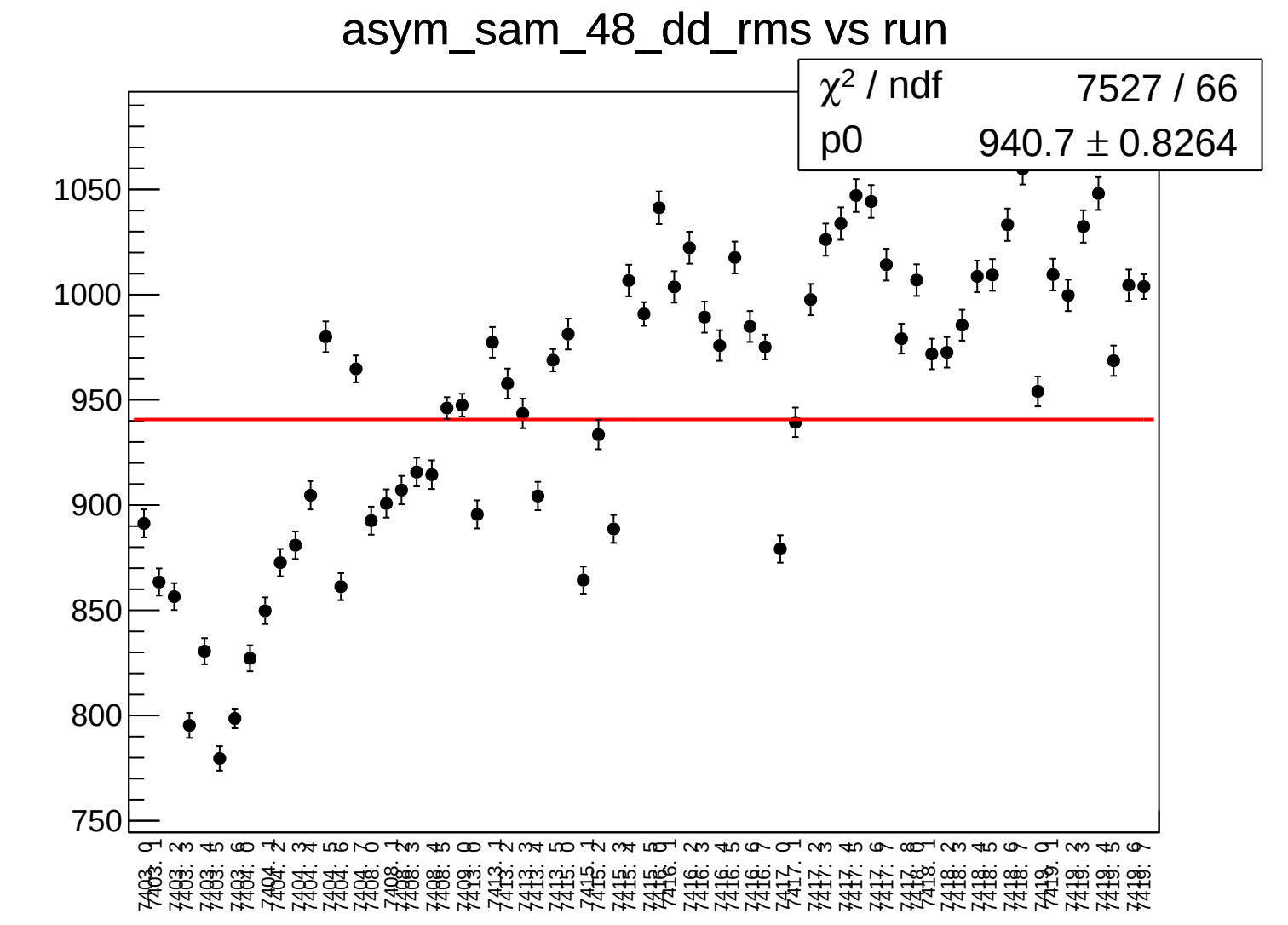

asym_sam_48_dd_correction_mean vs run
χ² / ndf 49.3 / 66
p0 −199.4 ± 1195
pull
Entries 67
Mean 37.05
Std Dev 69.58

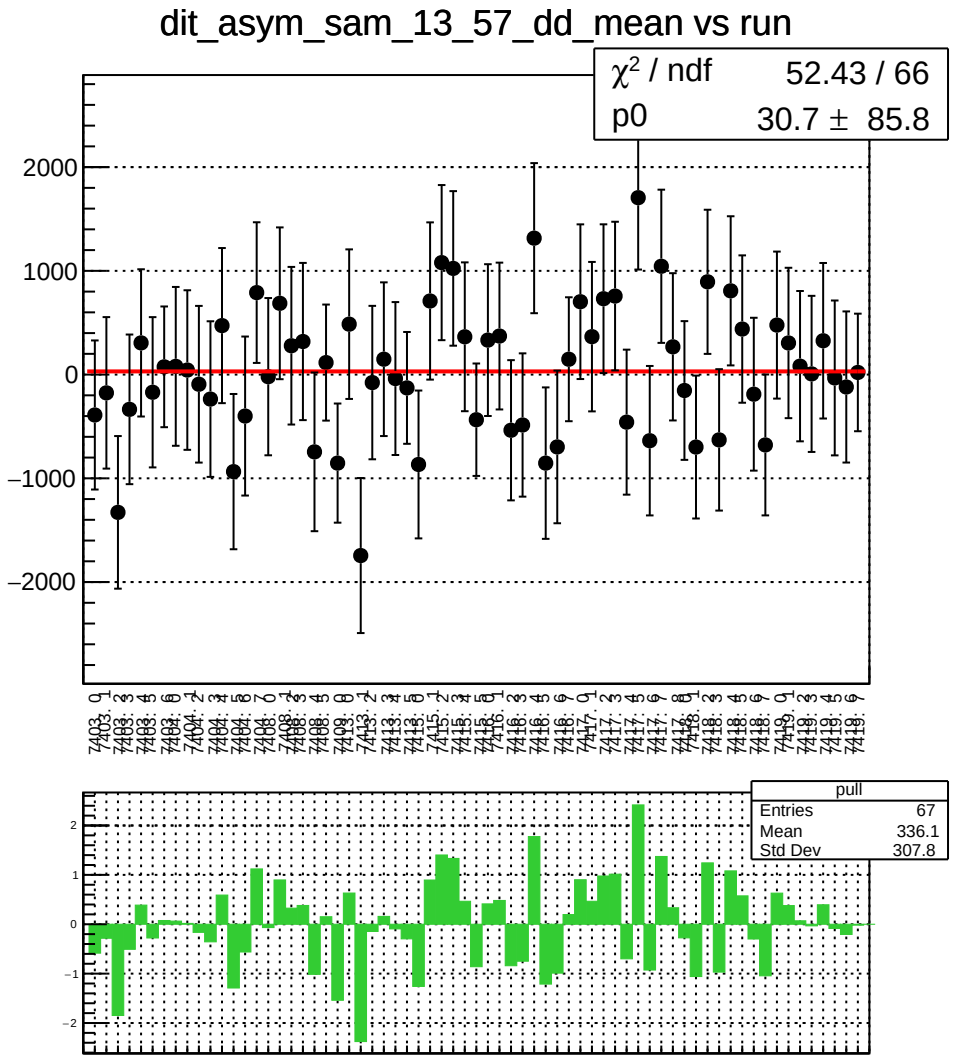

pull1D
Entries 67
Mean 0.003049
Std Dev 0.8578

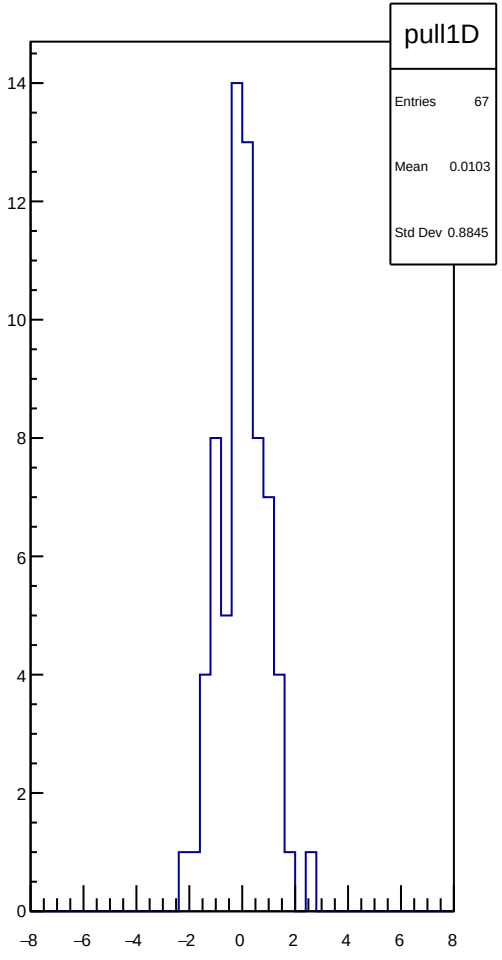

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2346 / 66
p0 964.1 ± 0.8453
1100
1050
1000
950
900

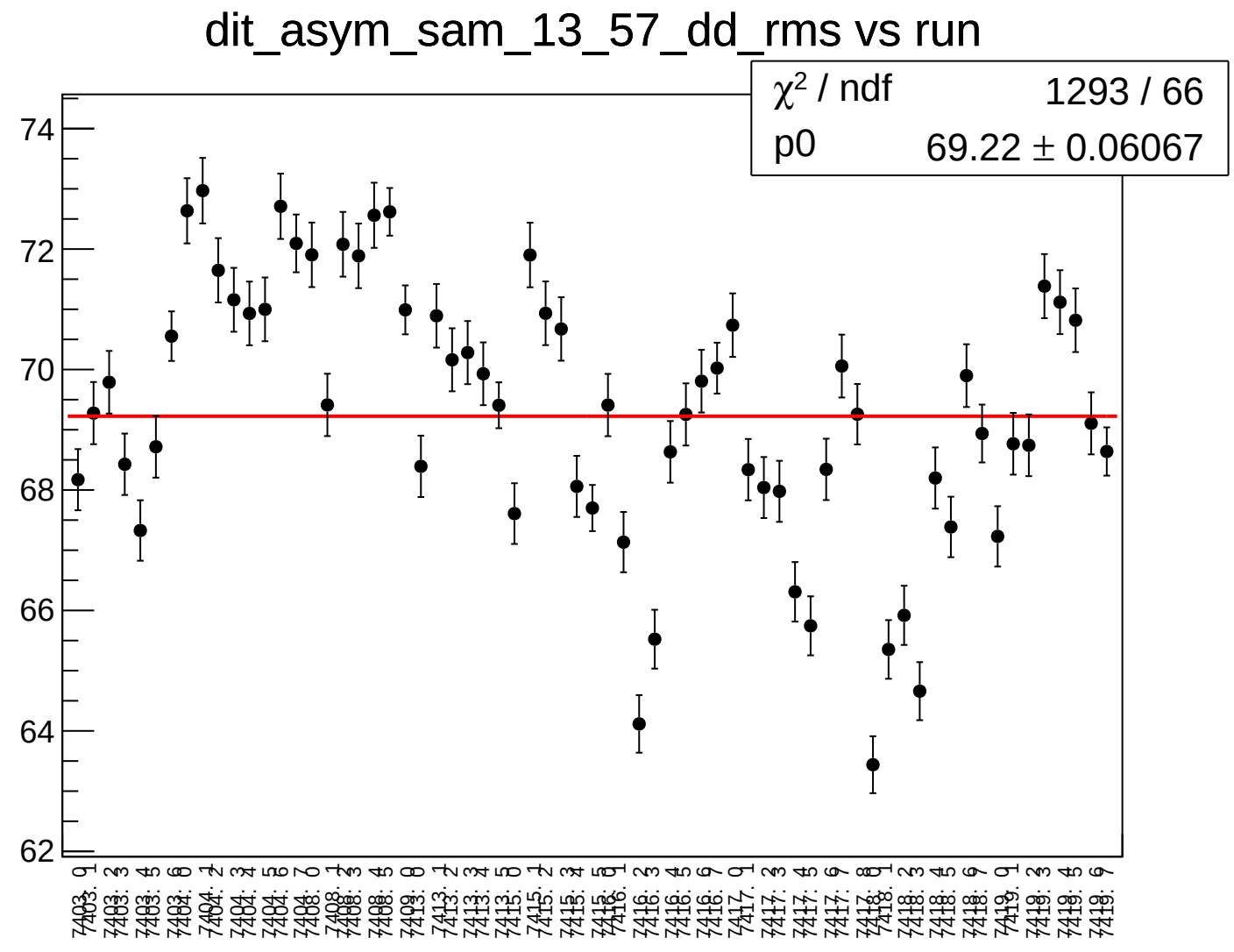

asym_sam_48_dd_mean vs run
χ² / ndf 53.02 / 66
p0 199.2 ± 1169
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 94.57
Std Dev 94.65
1.5
1
0.5
0
−0.5
−1
−1.5
−2

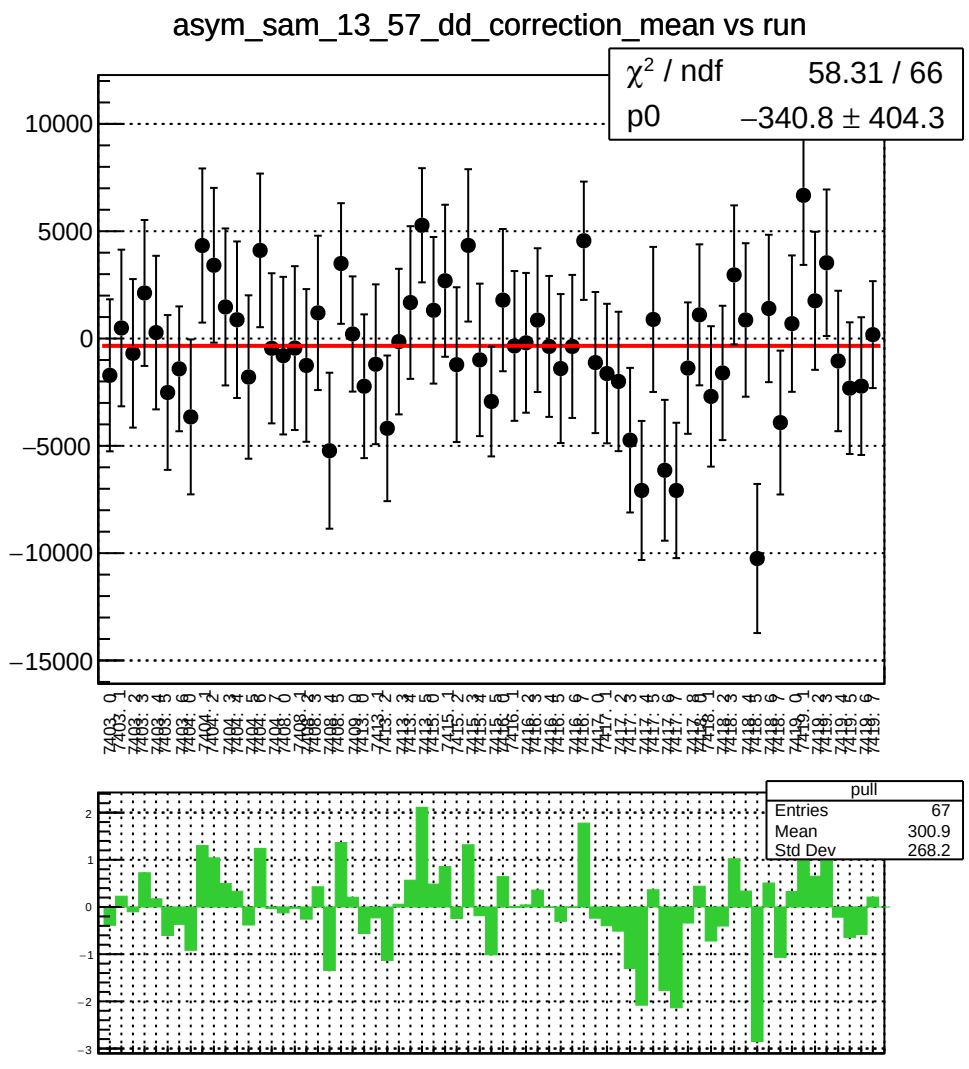

pull1D
Entries 67
Mean −0.003916
Std Dev 0.8895
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

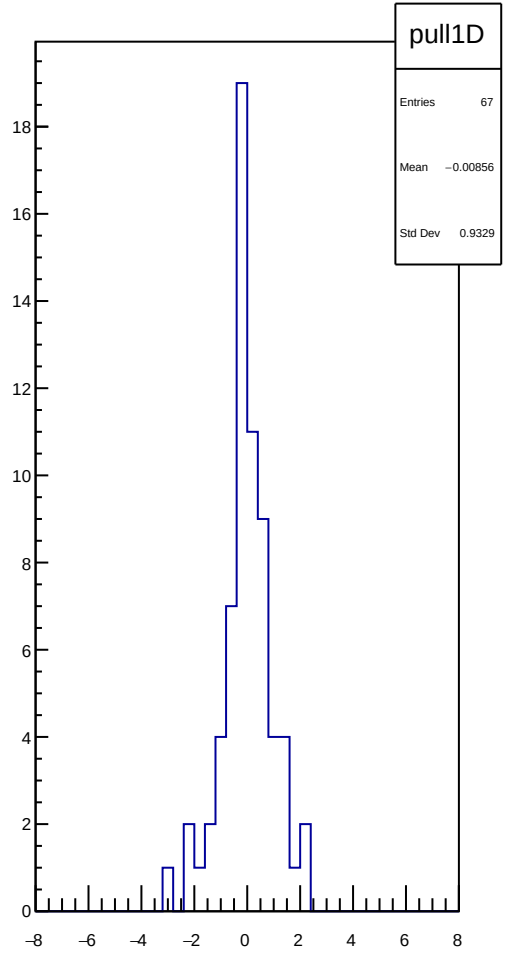

asym_sam_48_dd_rms vs run
χ² / ndf 7527 / 66
p0 940.7 ± 0.8264
1050
1000
950
900
850
800
750

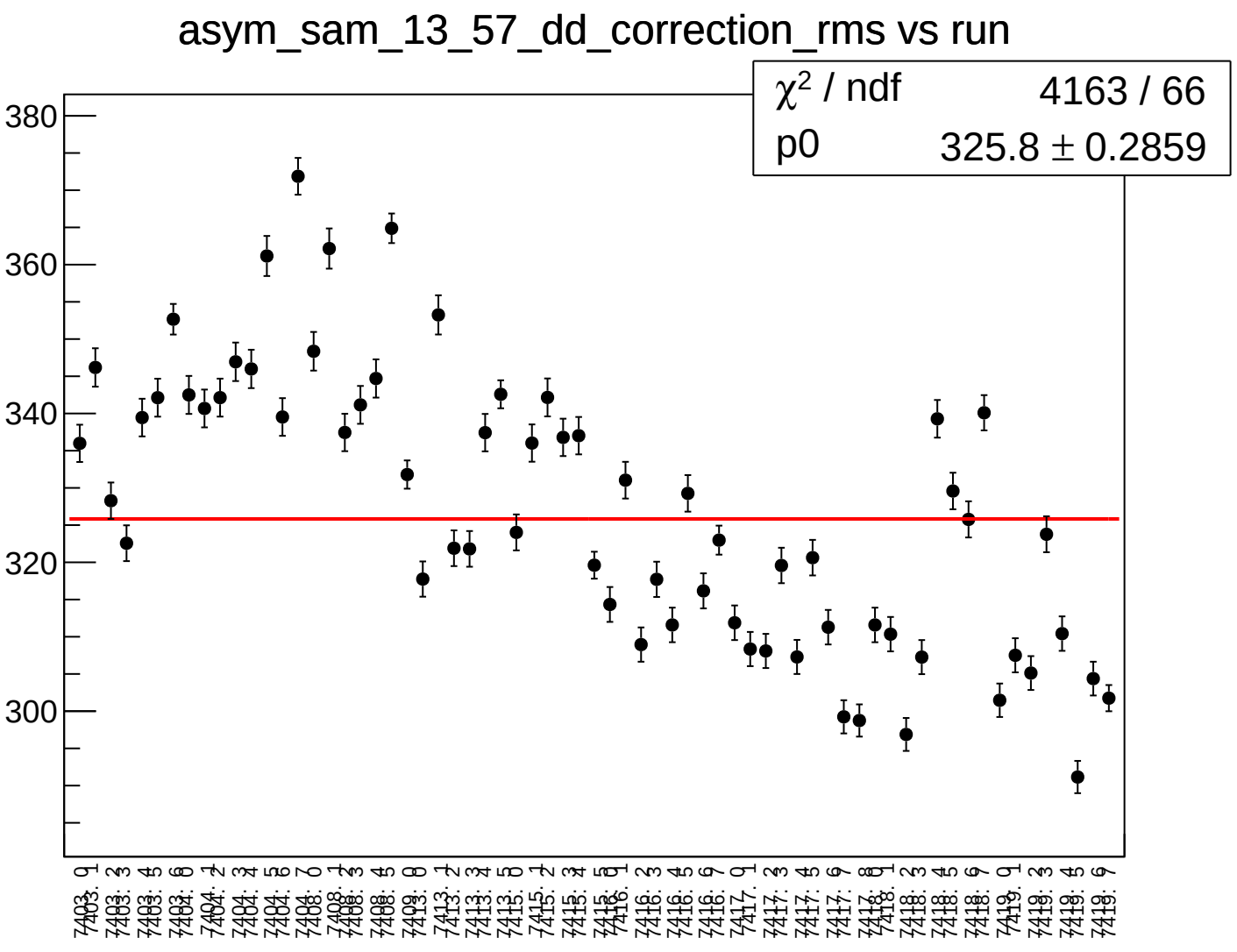

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 52.43 / 66
p0 30.7 ± 85.8
pull
Entries 67
Mean 336.1
Std Dev 307.8

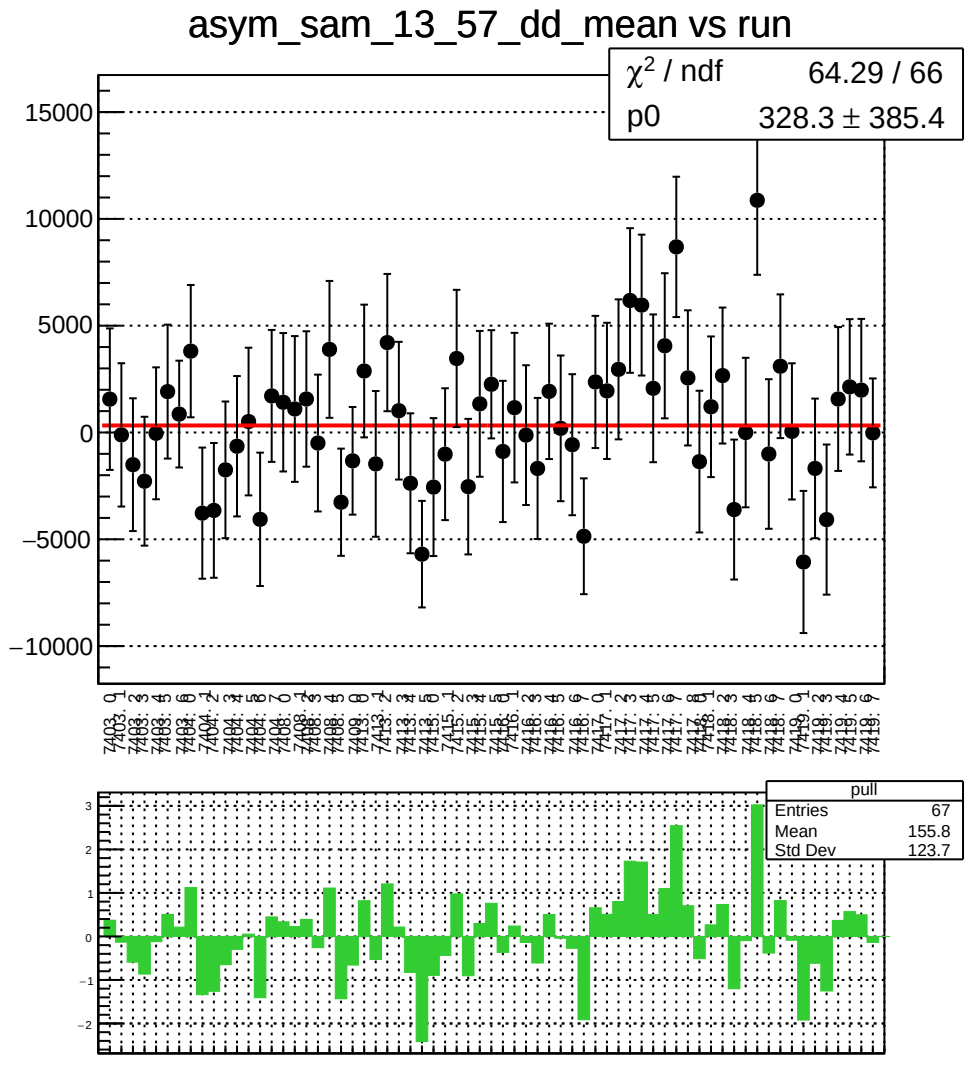

pull1D
Entries 67
Mean 0.0103
Std Dev 0.8845

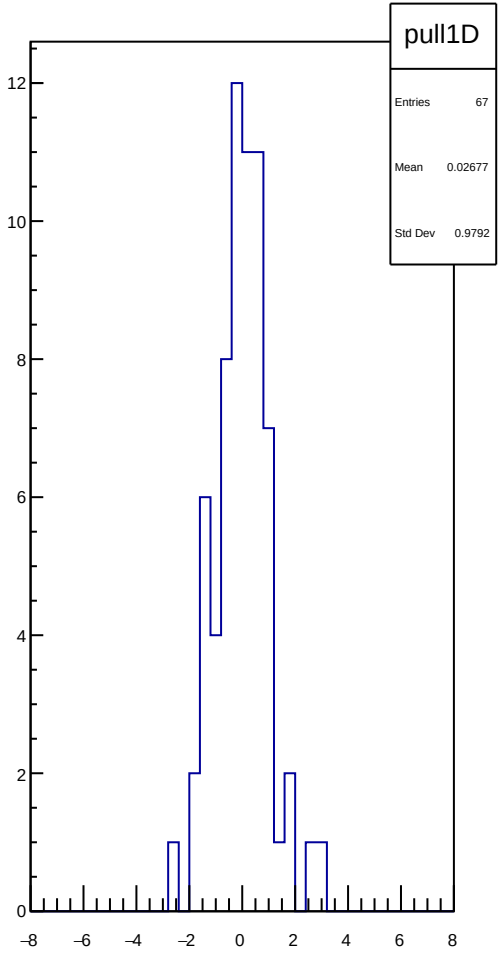

dit_asym_sam_13_57_dd_rms vs run
$\chi^2$ / ndf 1293 / 66
p0 69.22 ± 0.06067
74
72
70
68
66
64
62

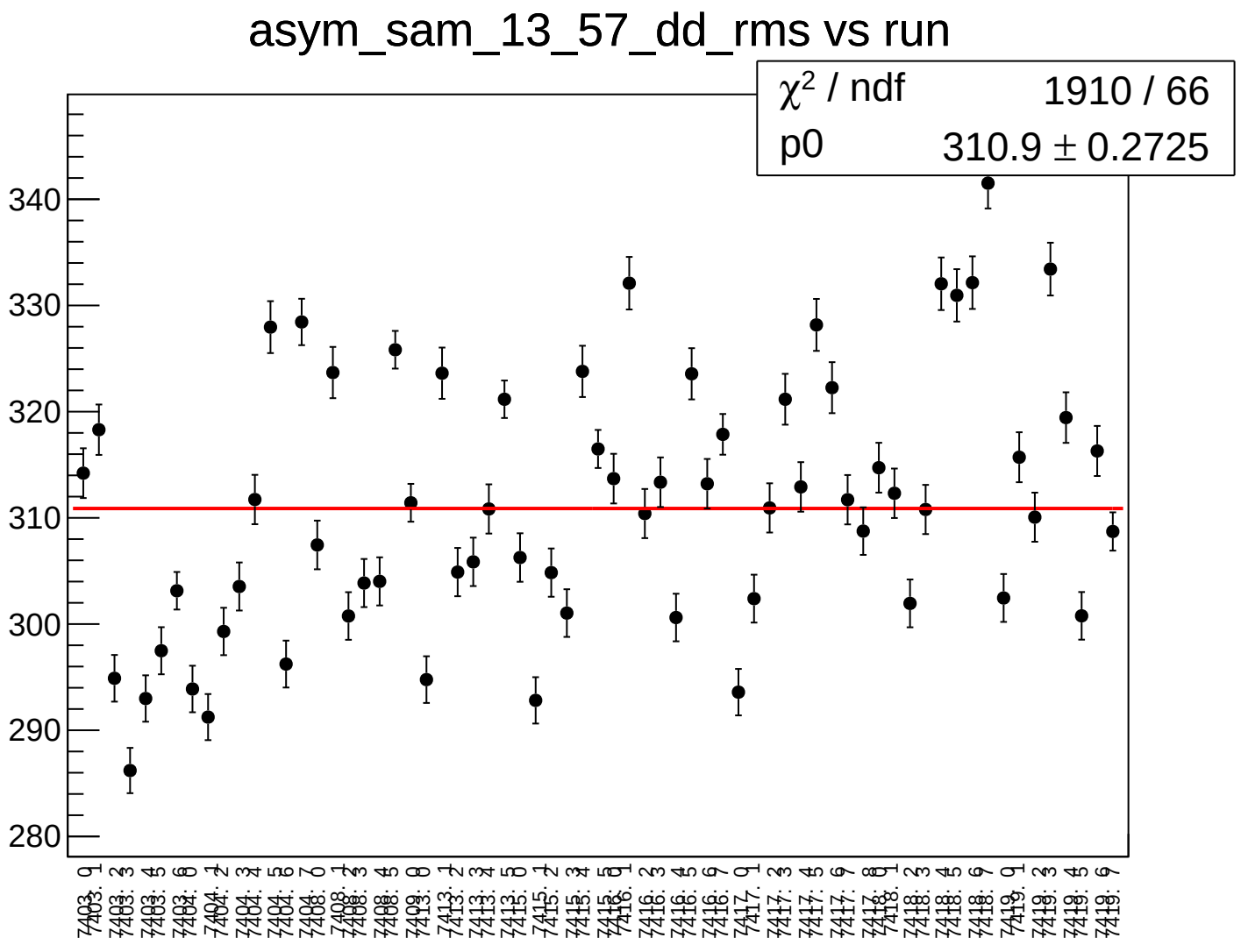

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 58.31 / 66
p0 −340.8 ± 404.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 300.9
Std Dev 268.2
2
1
0
−1
−2
−3

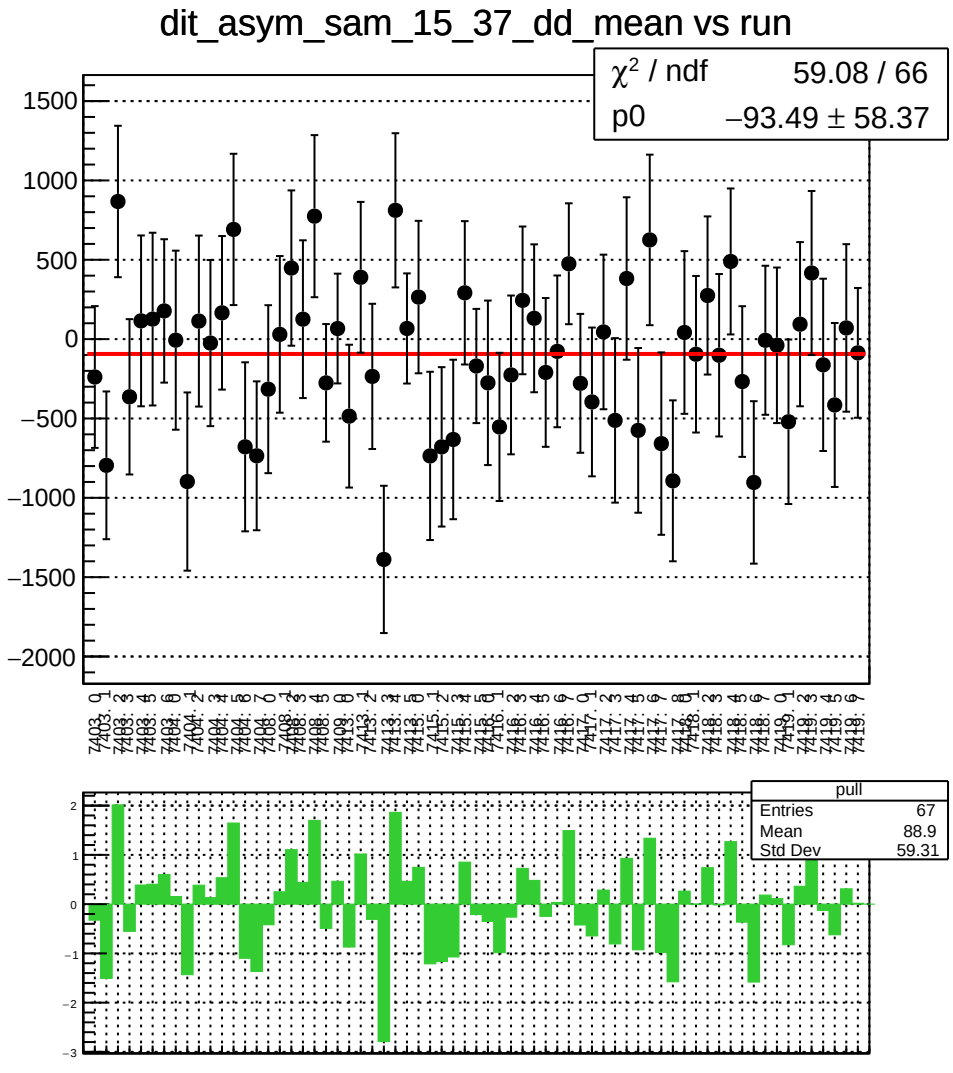

pull1D
Entries 67
Mean −0.00856
Std Dev 0.9329
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

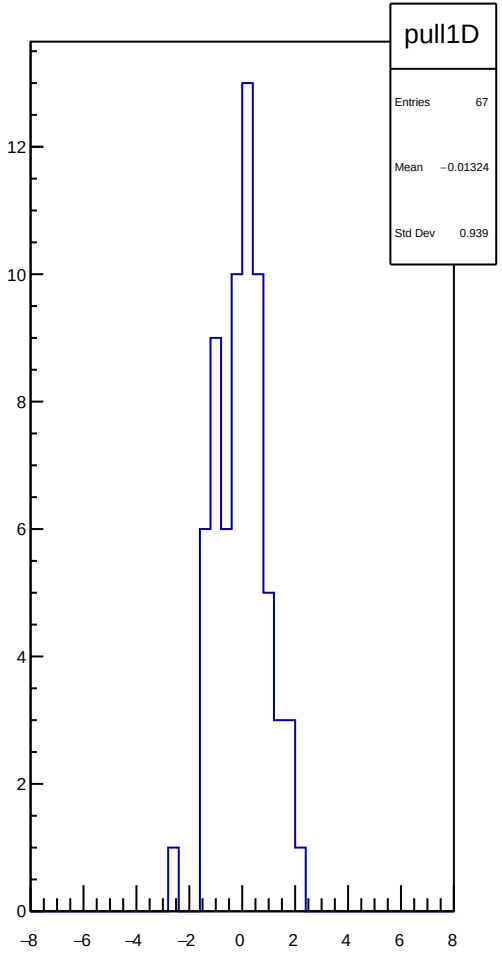

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 4163 / 66
p0 325.8 ± 0.2859
380
360
340
320
300

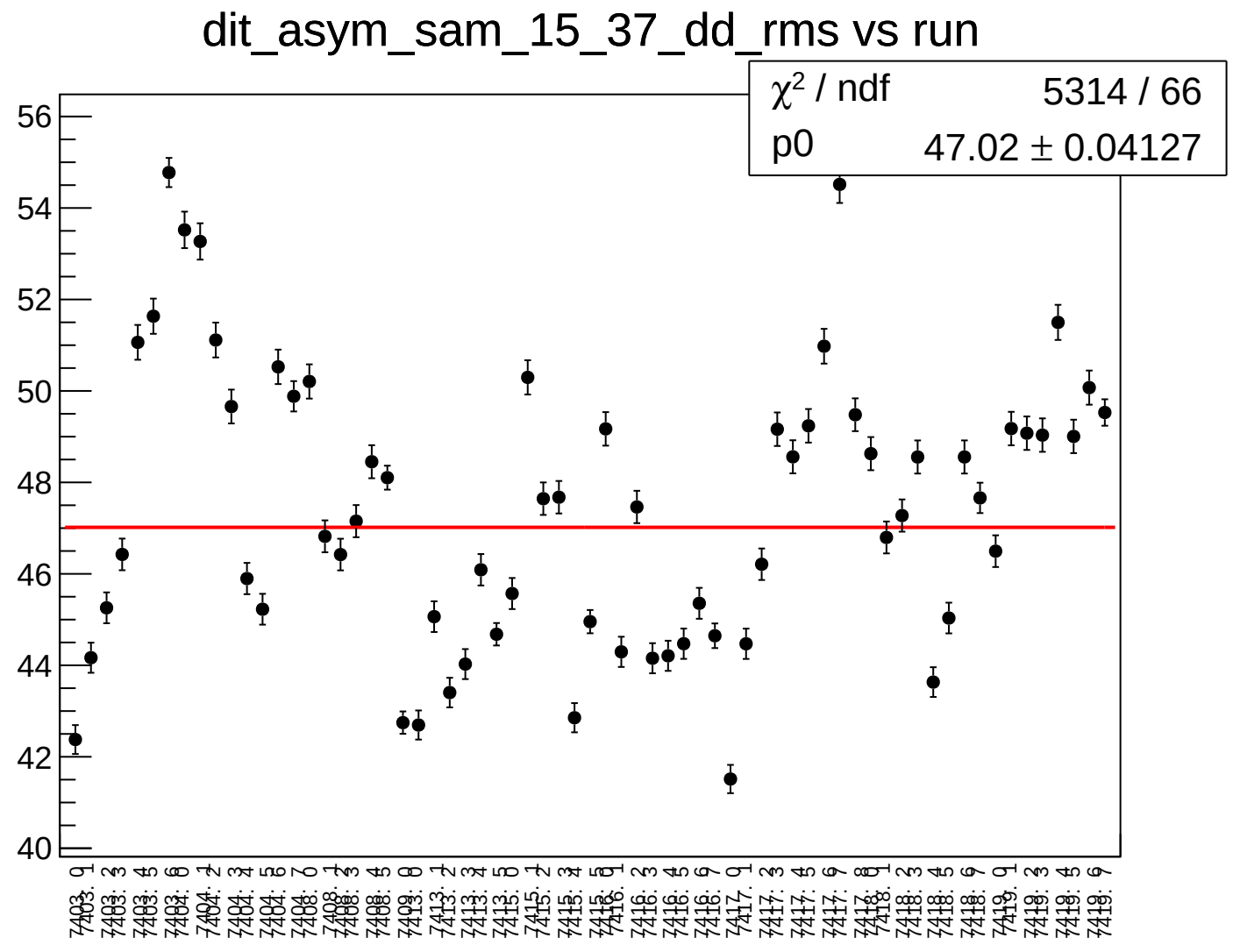

asym_sam_13_57_dd_mean vs run
χ² / ndf 64.29 / 66
p0 328.3 ± 385.4
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 155.8
Std Dev 123.7
3
2
1
0
−1
−2

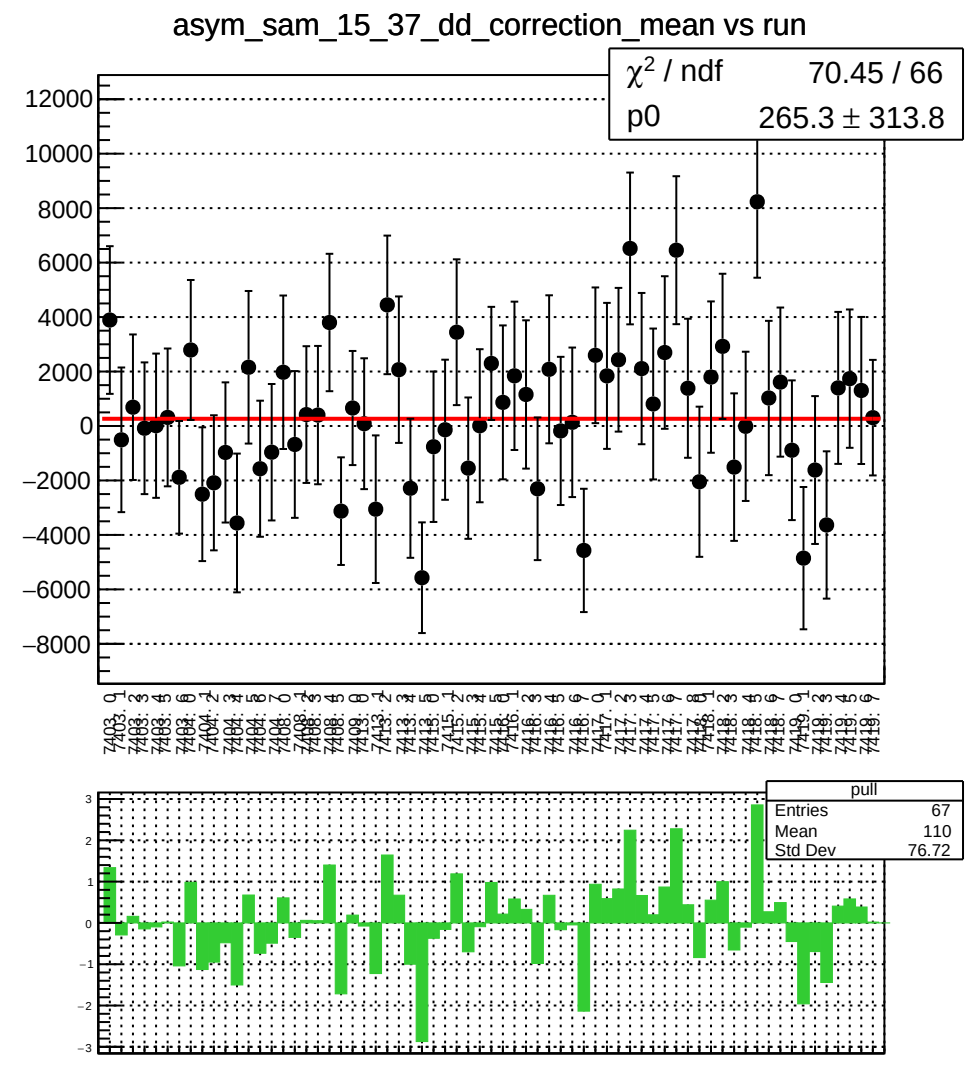

pull1D
Entries 67
Mean 0.02677
Std Dev 0.9792
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

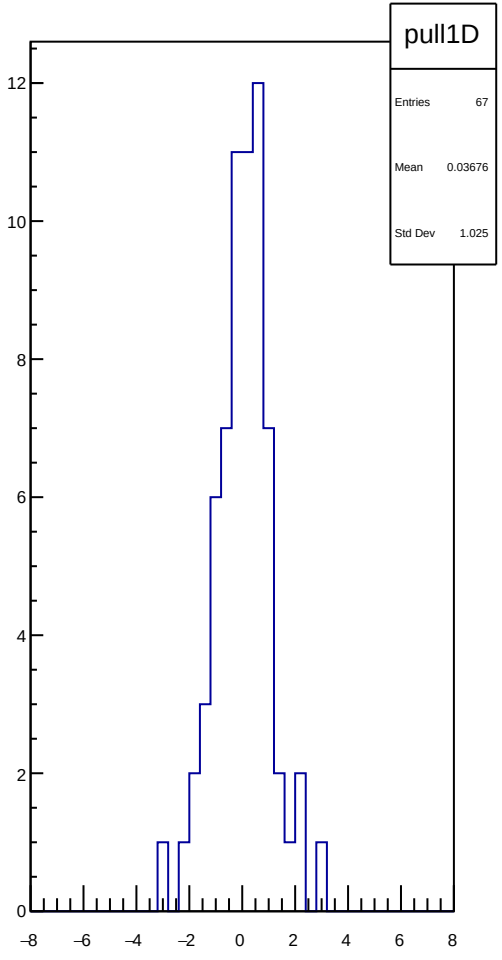

asym_sam_13_57_dd_rms vs run
χ² / ndf 1910 / 66
p0 310.9 ± 0.2725
340
330
320
310
300
290
280

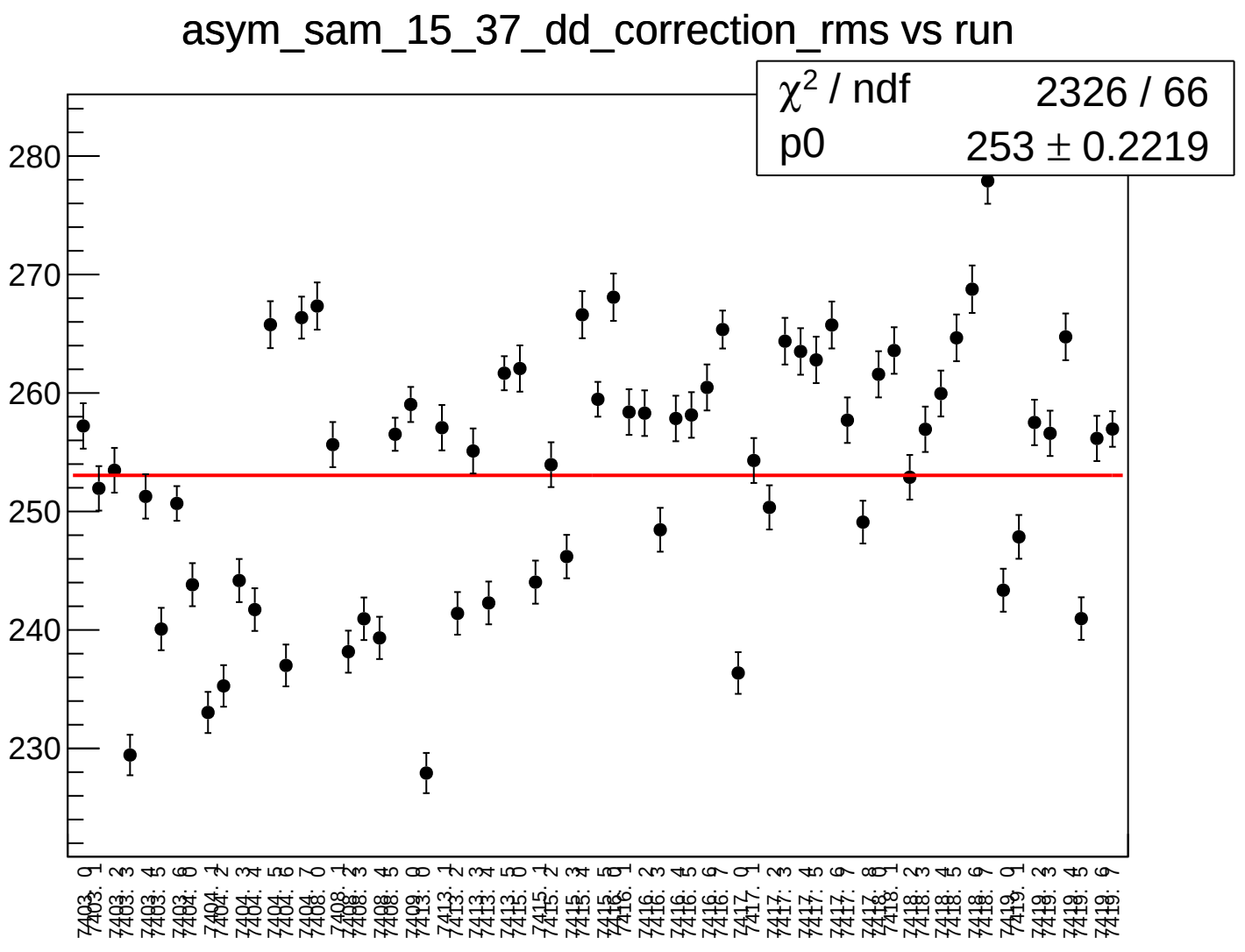

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 59.08 / 66
p0 −93.49 ± 58.37
pull
Entries 67
Mean 88.9
Std Dev 59.31

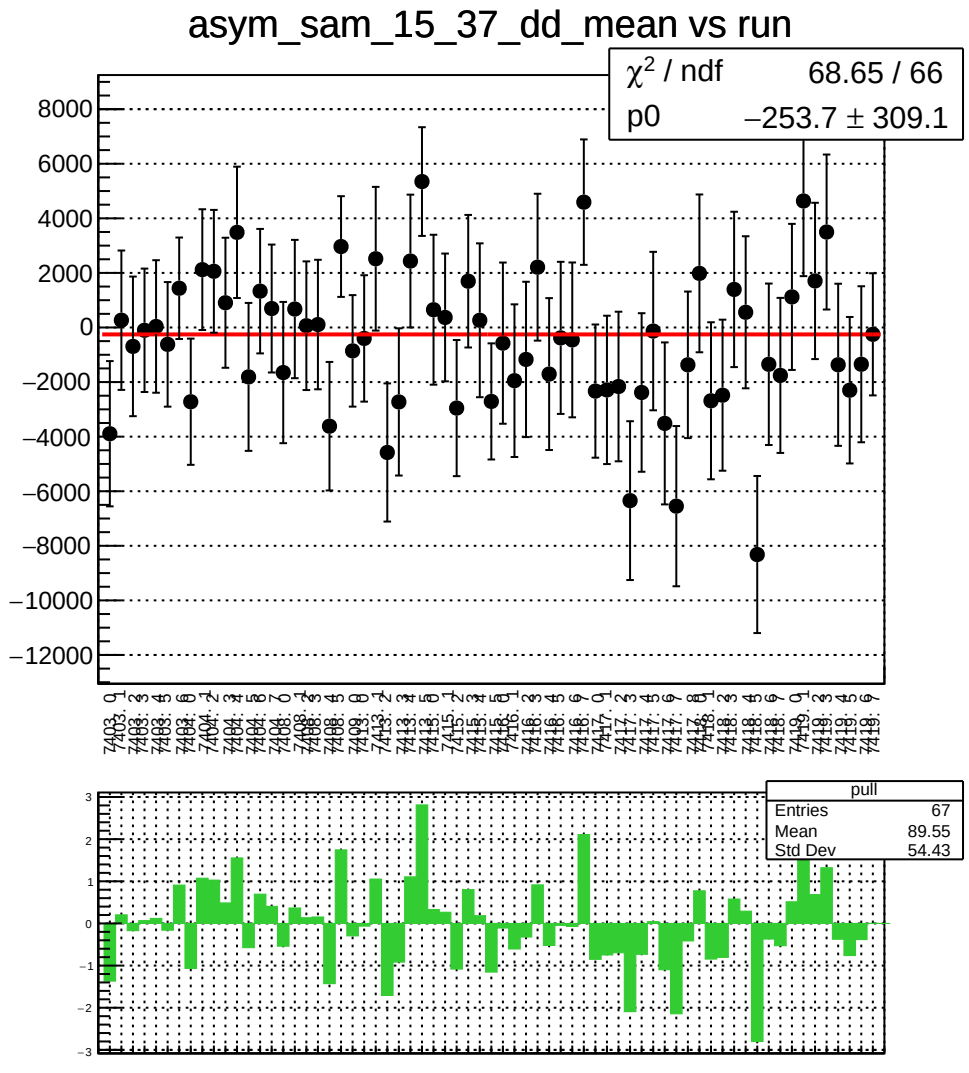

pull1D
Entries 67
Mean −0.01324
Std Dev 0.939

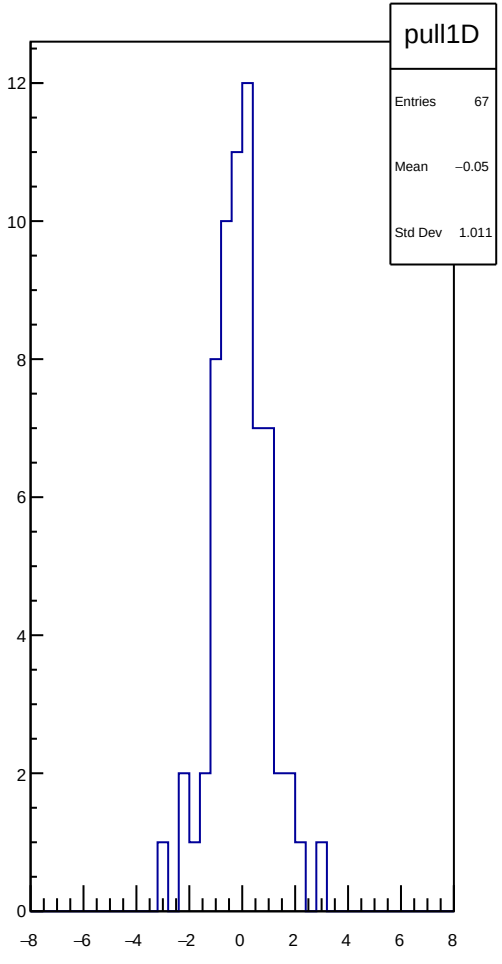

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 5314 / 66
p0 47.02 ± 0.04127
56
54
52
50
48
46
44
42
40

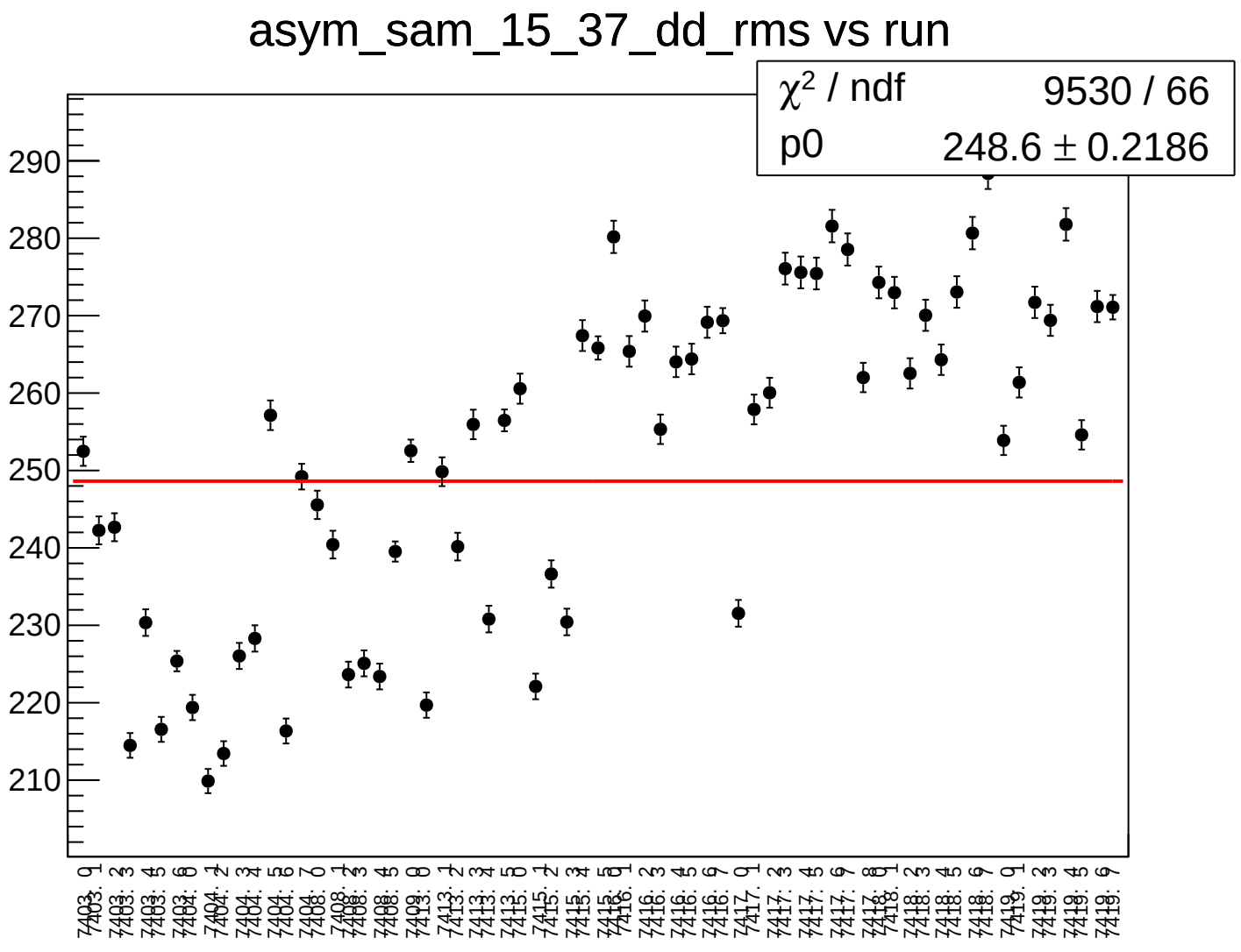

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 70.45 / 66
p0 265.3 ± 313.8
pull
Entries 67
Mean 110
Std Dev 76.72

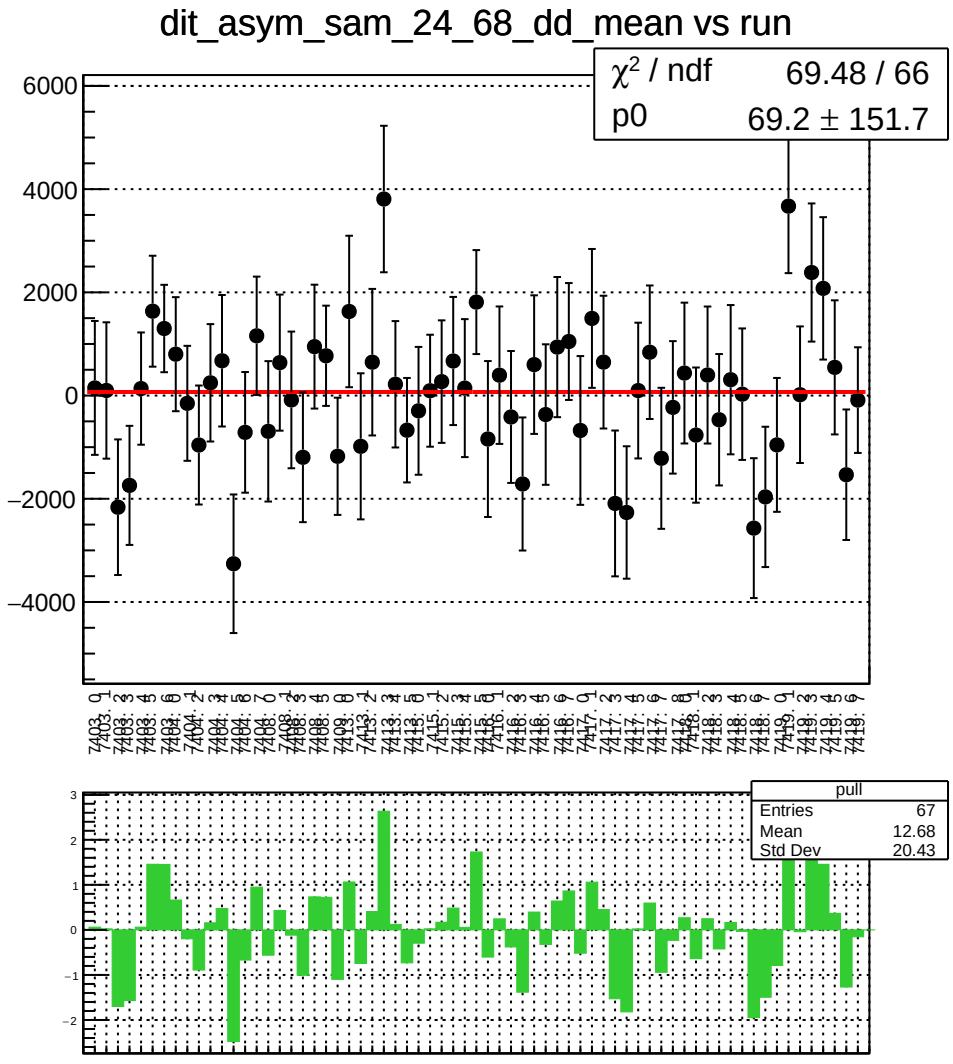

pull1D
Entries 67
Mean 0.03676
Std Dev 1.025

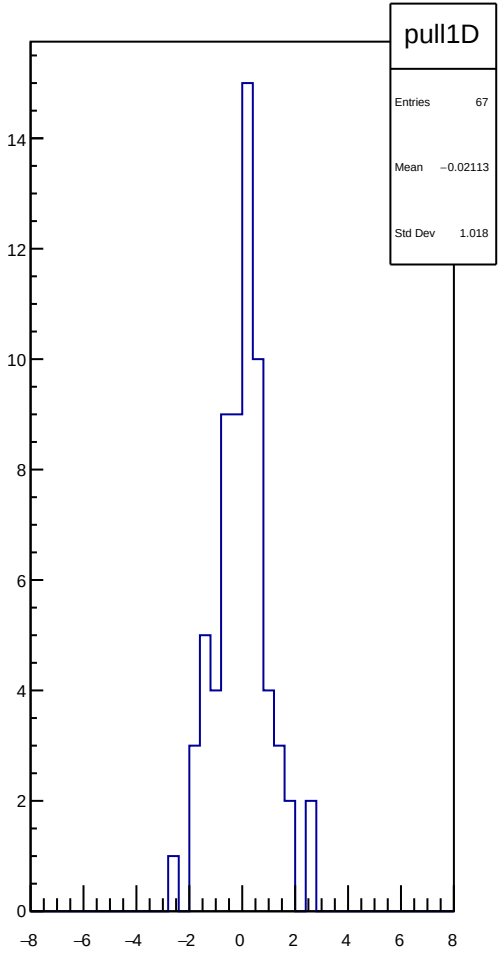

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2326 / 66
p0 253 ± 0.2219
280
270
260
250
240
230

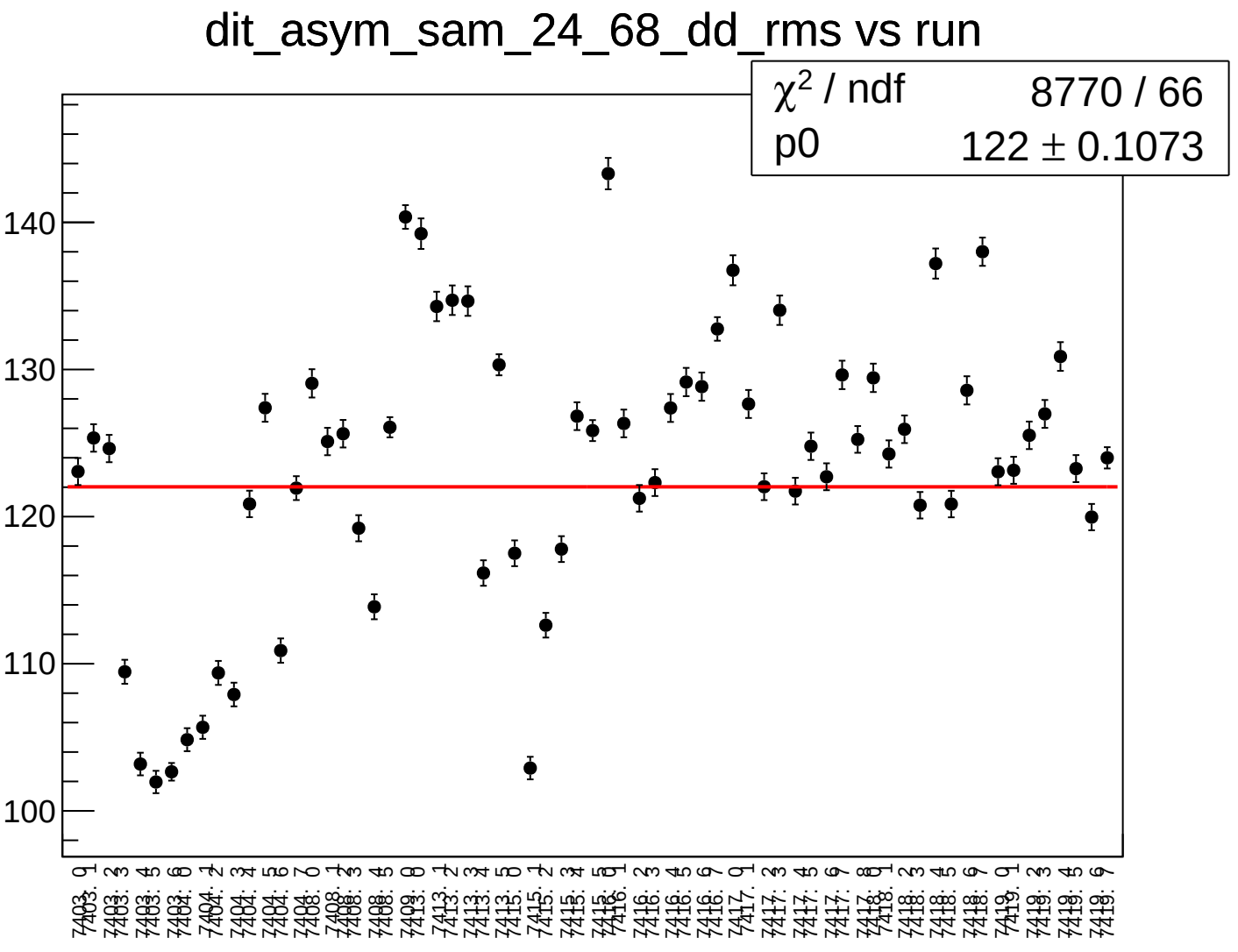

asym_sam_15_37_dd_mean vs run
χ² / ndf 68.65 / 66
p0 −253.7 ± 309.1
pull
Entries 67
Mean 89.55
Std Dev 54.43

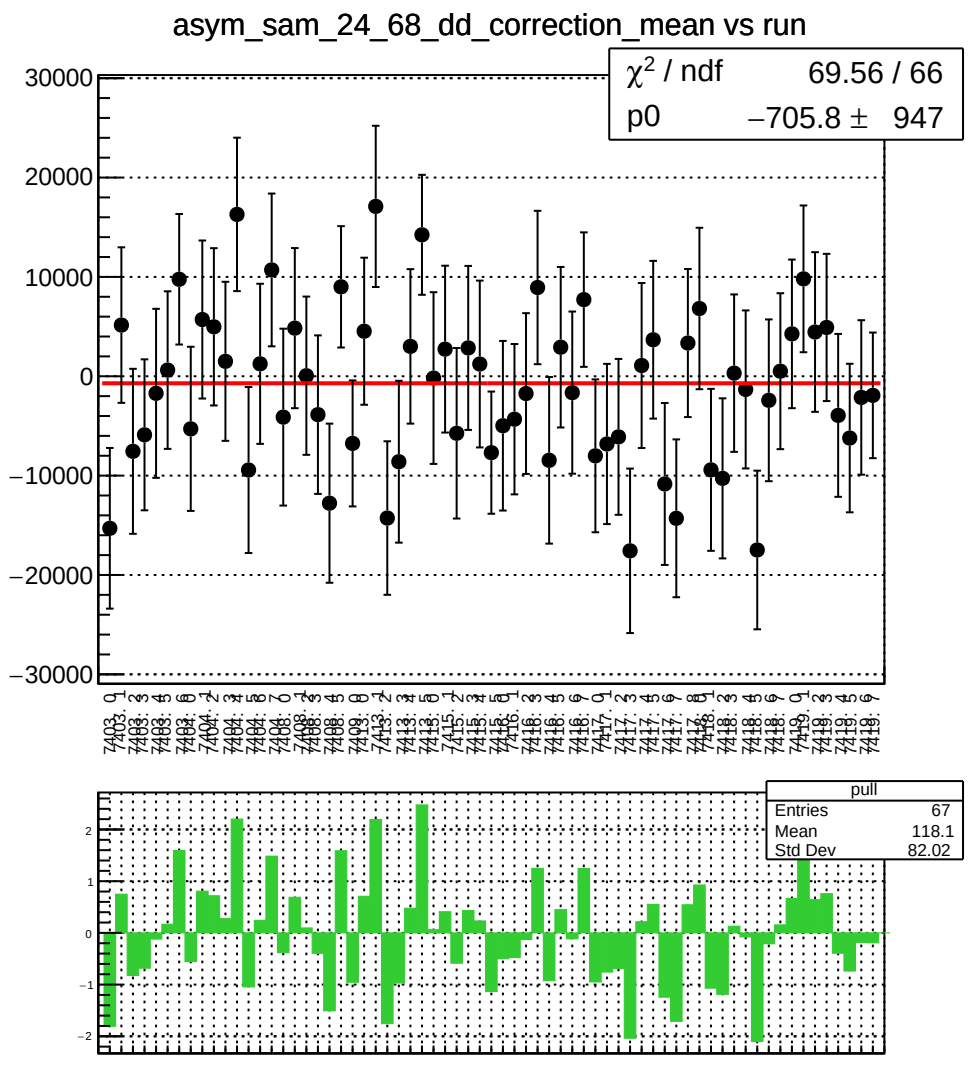

pull1D
Entries 67
Mean −0.05
Std Dev 1.011

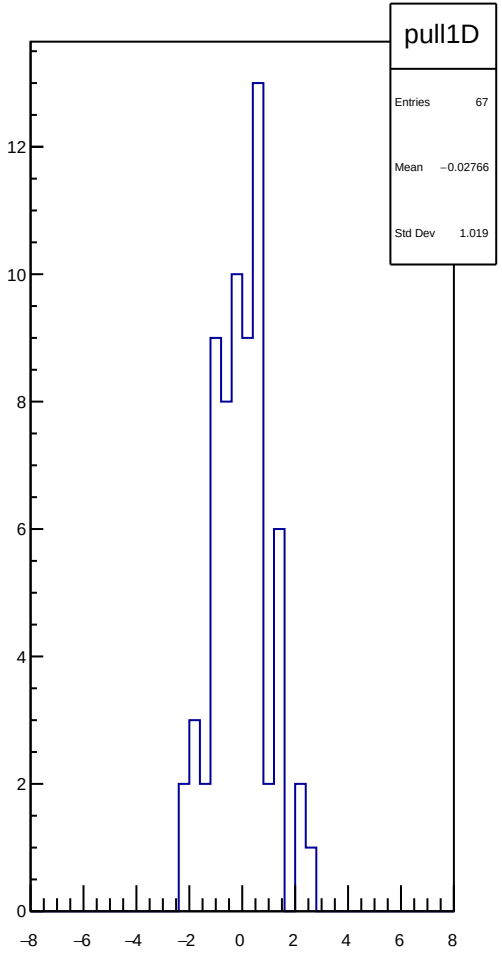

asym_sam_15_37_dd_rms vs run
$\chi^2$ / ndf 9530 / 66
p0 248.6 ± 0.2186
290
280
270
260
250
240
230
220
210

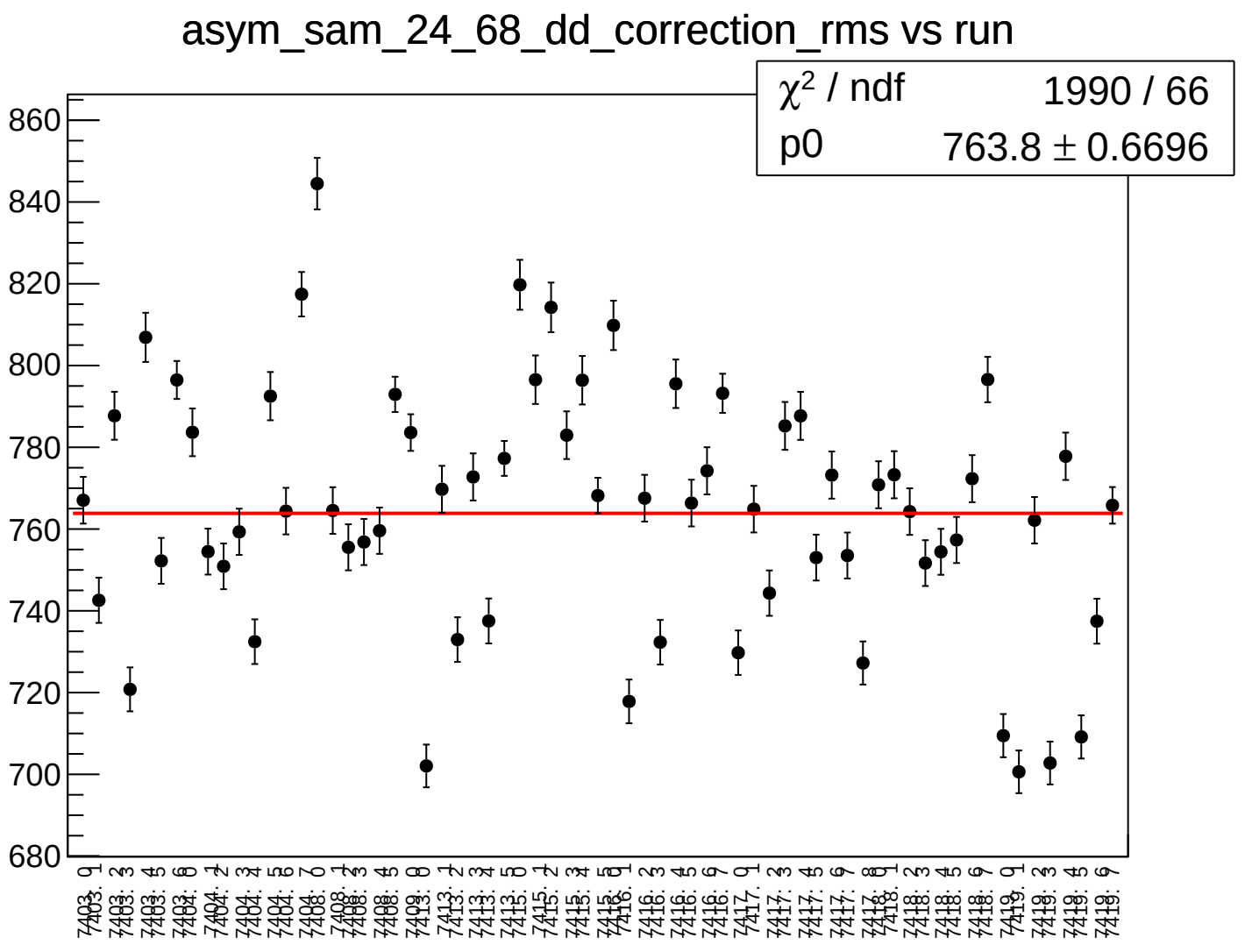

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 69.48 / 66
p0 69.2 ± 151.7
pull
Entries 67
Mean 12.68
Std Dev 20.43

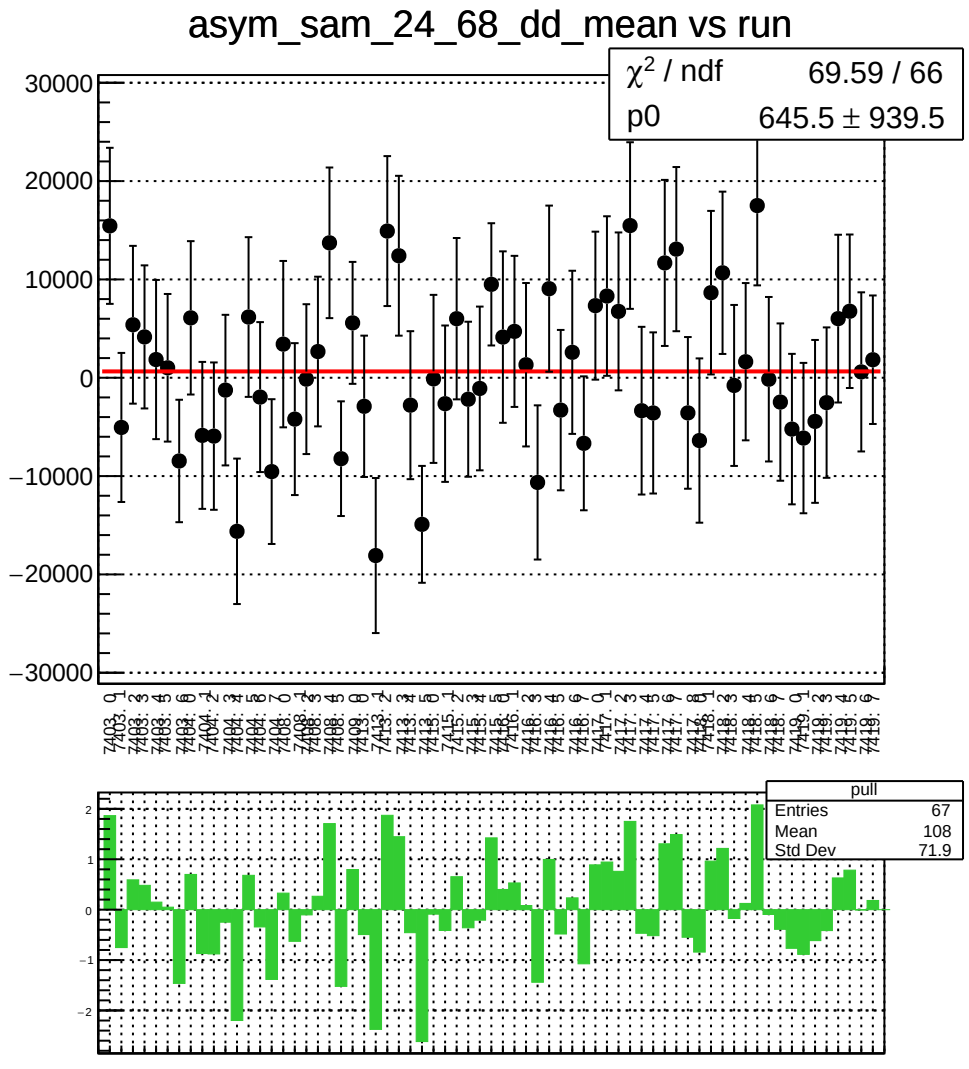

pull1D
Entries 67
Mean −0.02113
Std Dev 1.018

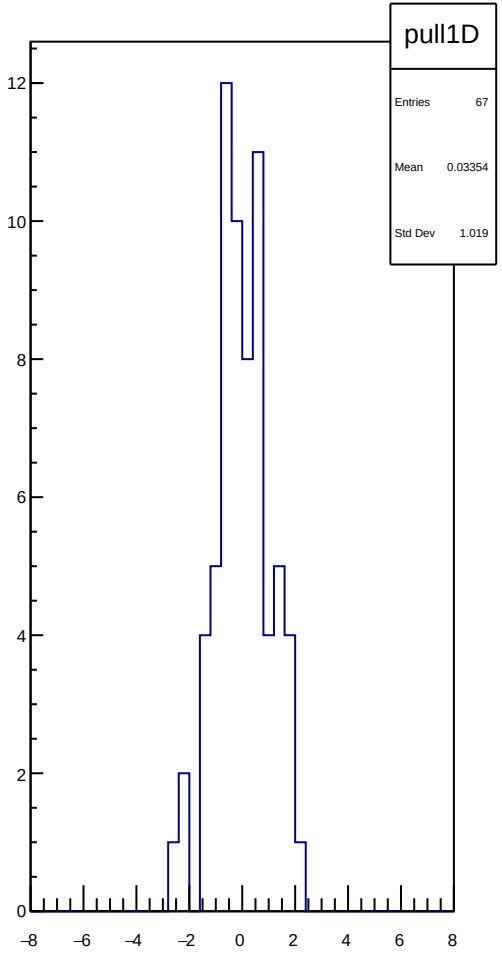

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 8770 / 66
p0 122 ± 0.1073
140
130
120
110
100

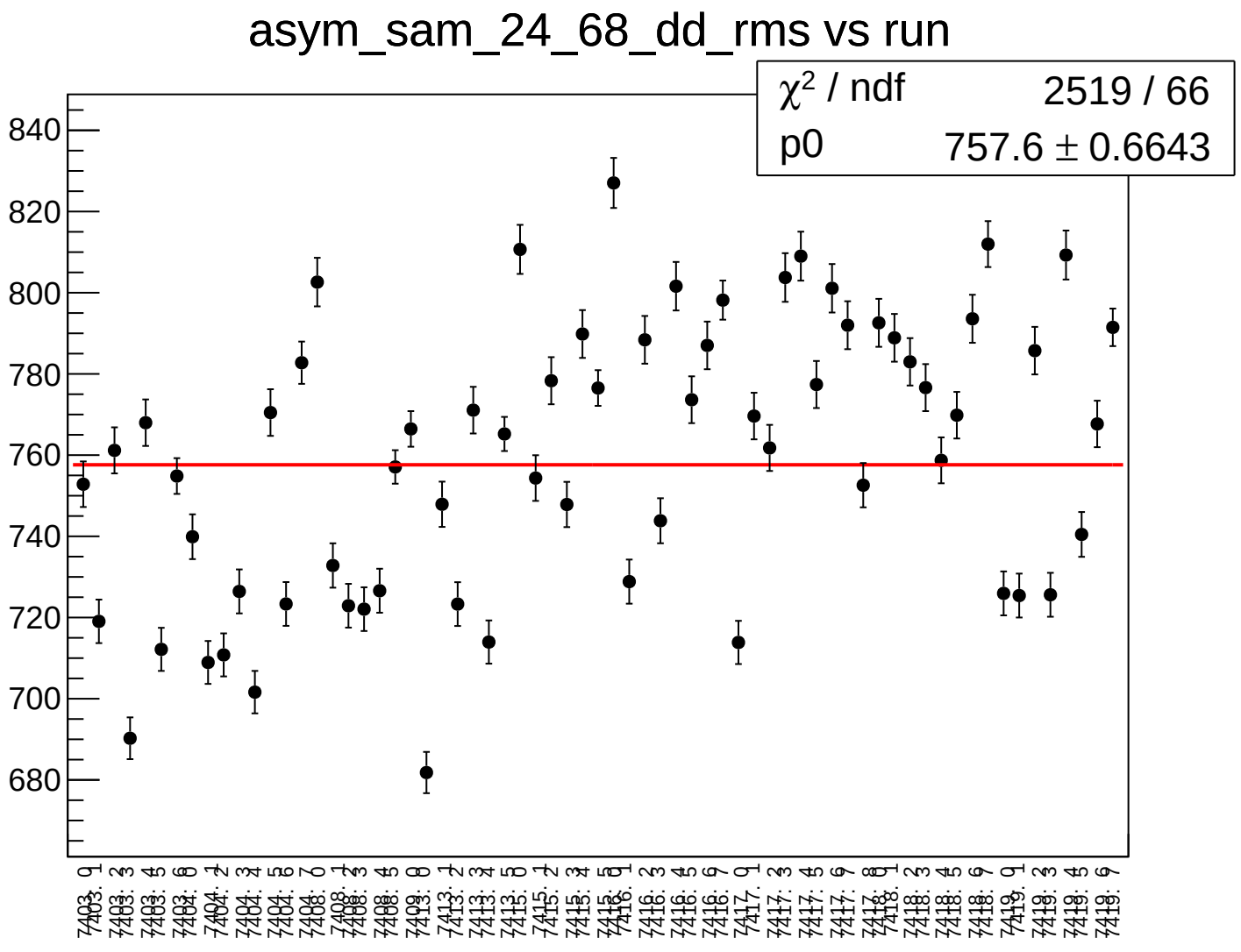

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 69.56 / 66
p0 −705.8 ± 947
pull
Entries 67
Mean 118.1
Std Dev 82.02

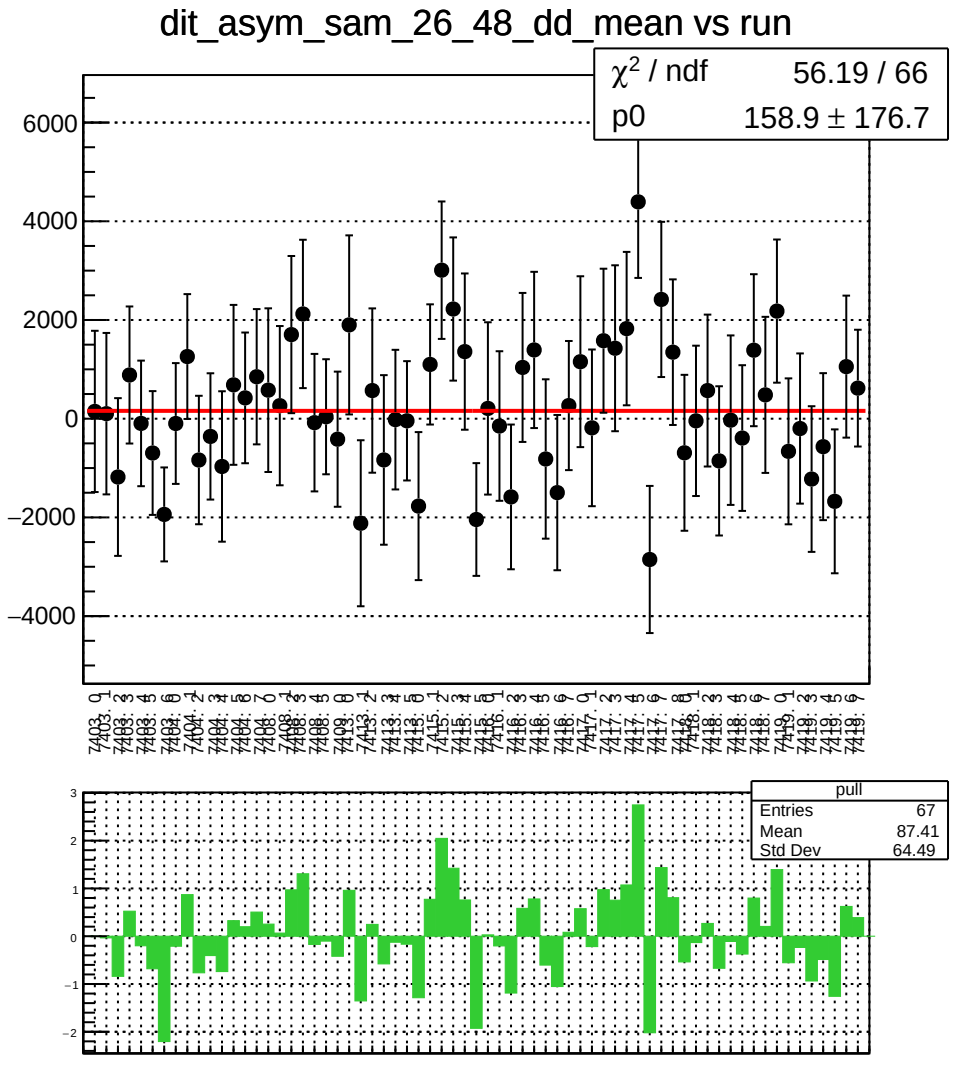

pull1D
Entries 67
Mean −0.02766
Std Dev 1.019

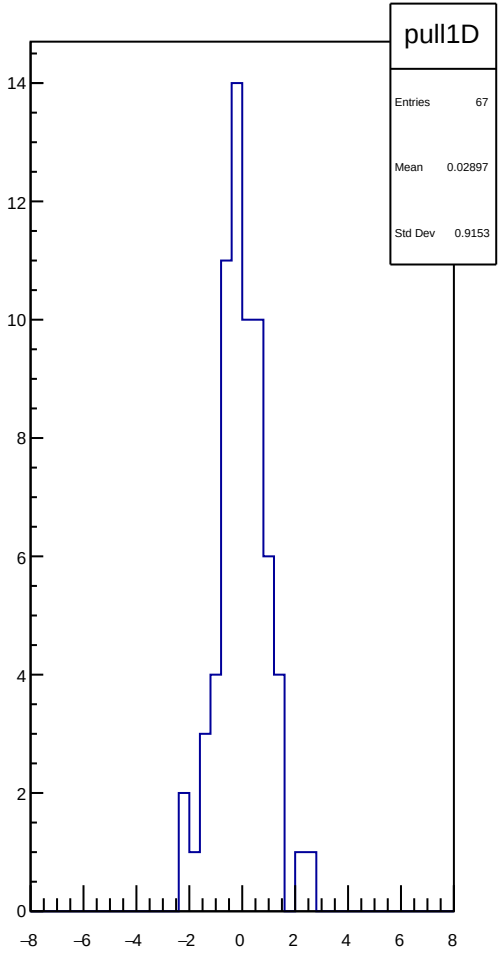

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1990 / 66
p0 763.8 ± 0.6696
860
840
820
800
780
760
740
720
700
680

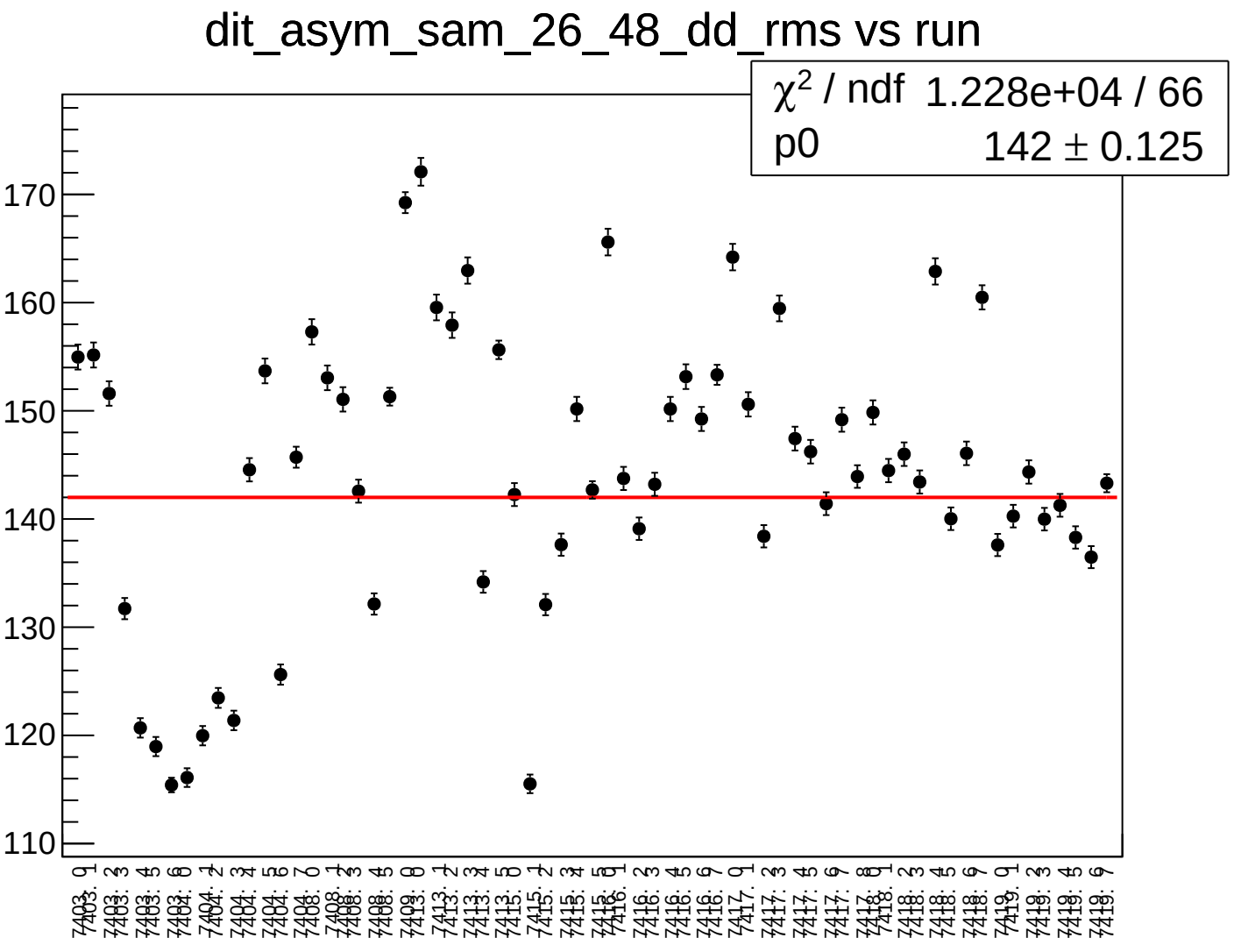

asym_sam_24_68_dd_mean vs run
χ² / ndf 69.59 / 66
p0 645.5 ± 939.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 108
Std Dev 71.9
2
1
0
−1
−2

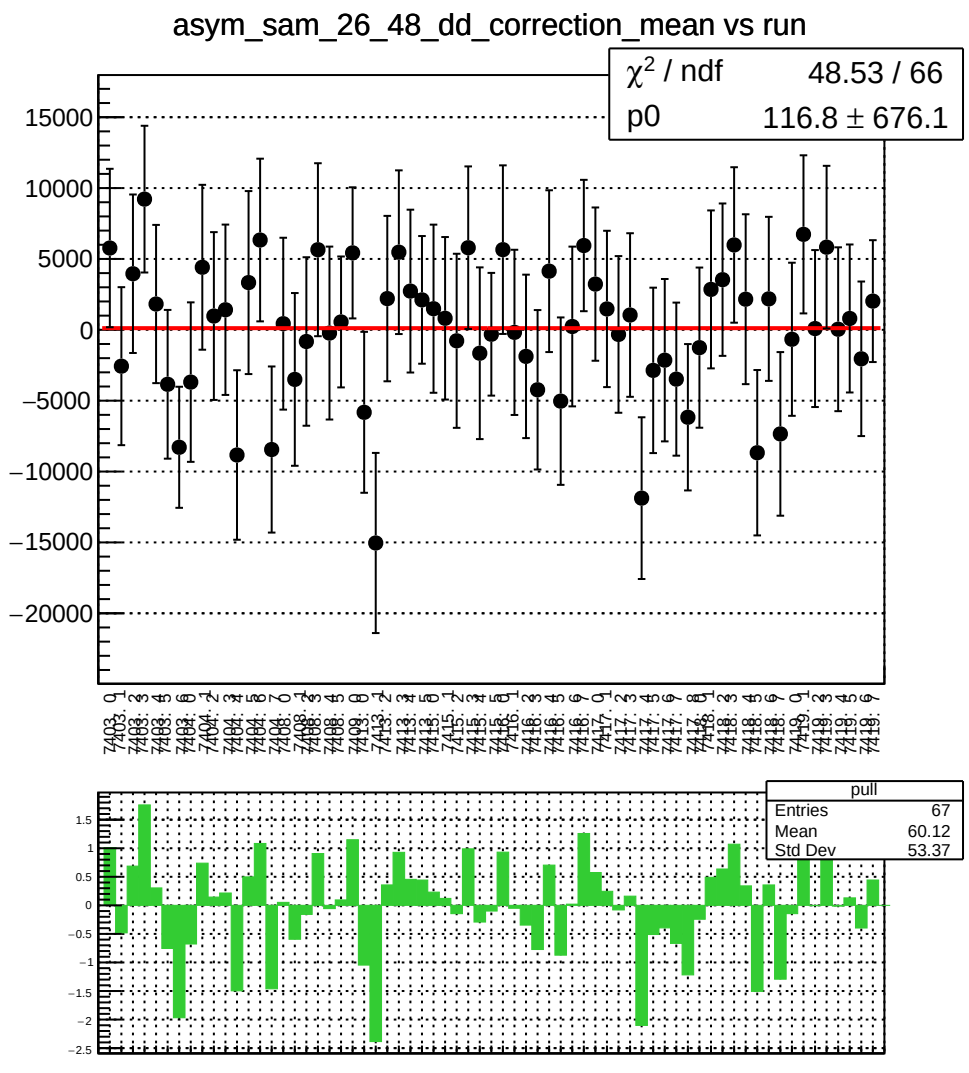

pull1D
Entries 67
Mean 0.03354
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

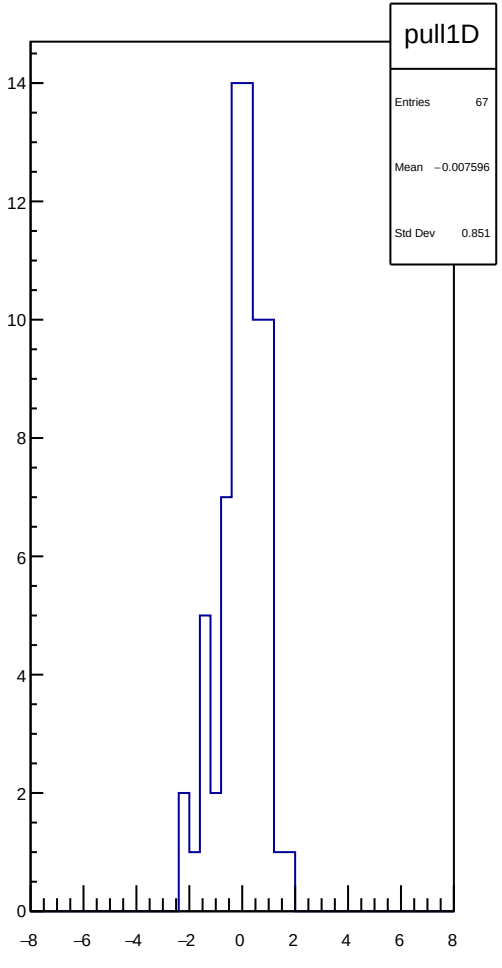

asym_sam_24_68_dd_rms vs run
χ² / ndf 2519 / 66
p0 757.6 ± 0.6643
840
820
800
780
760
740
720
700
680

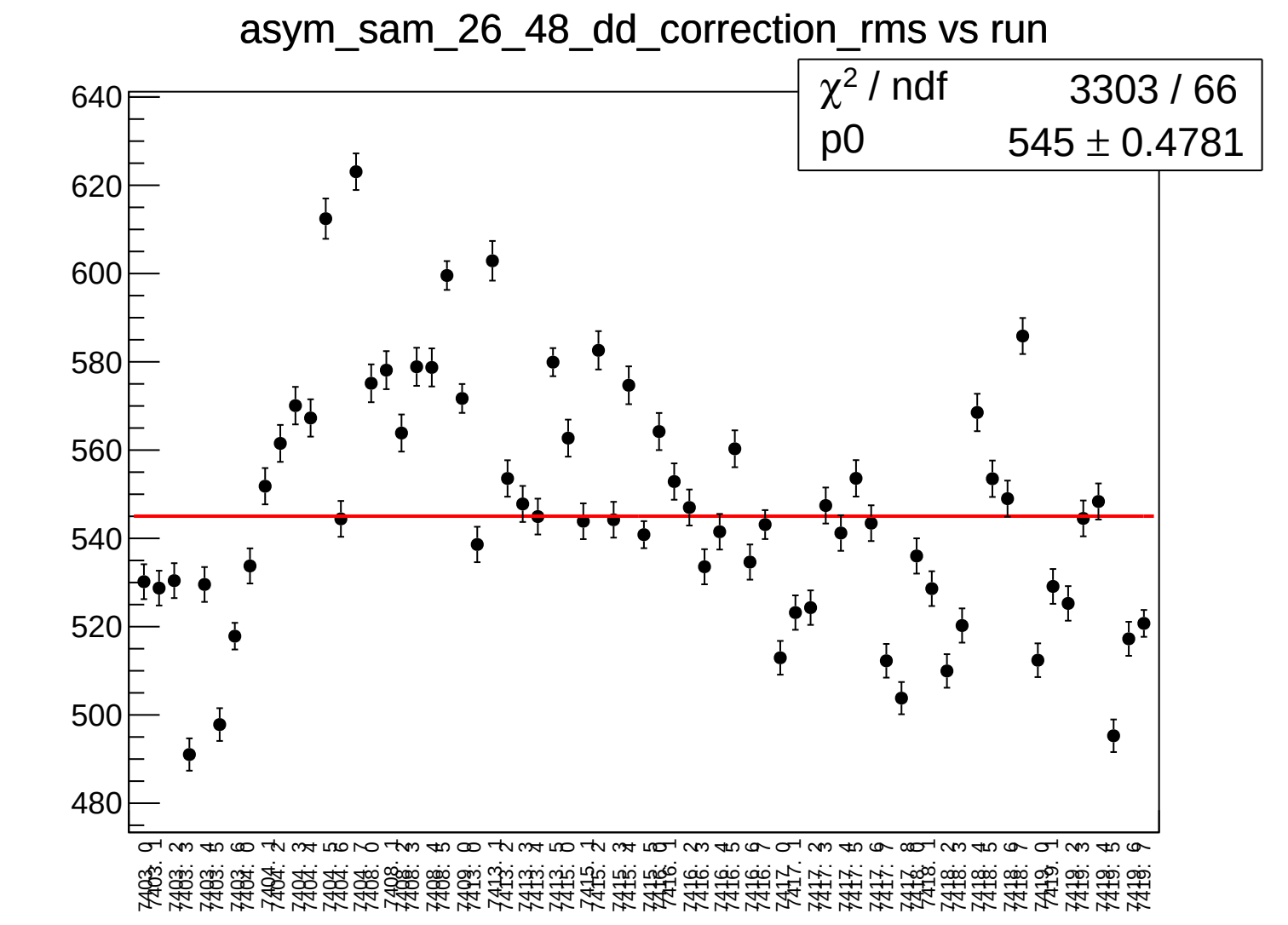

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 56.19 / 66
p0 158.9 ± 176.7
pull
Entries 67
Mean 87.41
Std Dev 64.49

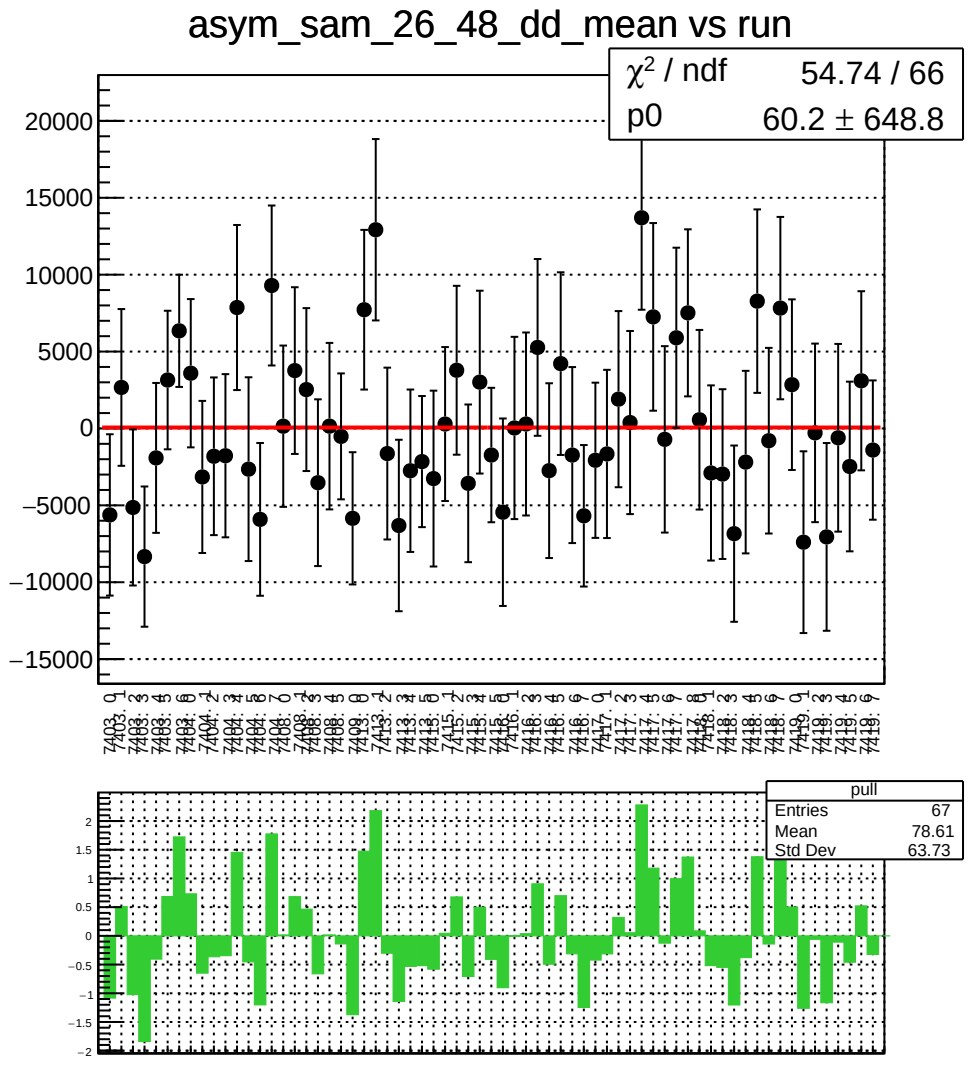

pull1D
Entries 67
Mean 0.02897
Std Dev 0.9153

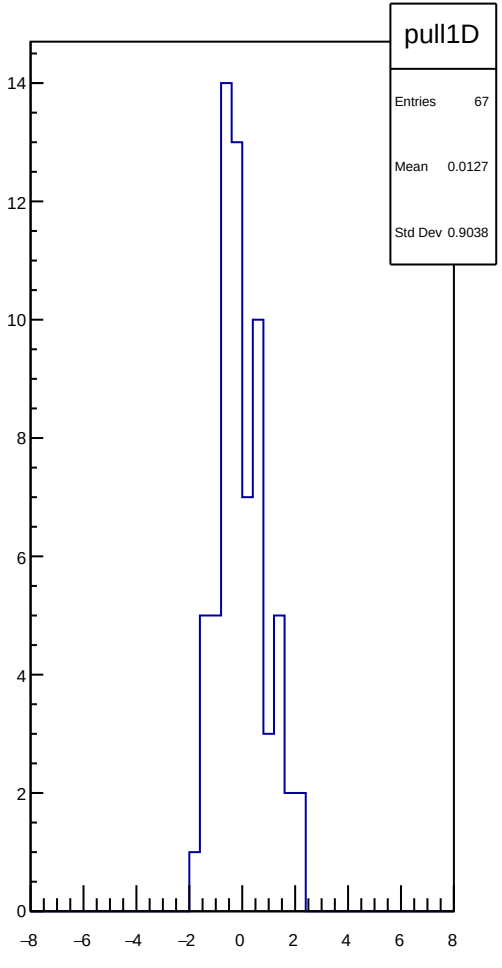

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.228e+04 / 66
p0 142 ± 0.125
170
160
150
140
130
120
110

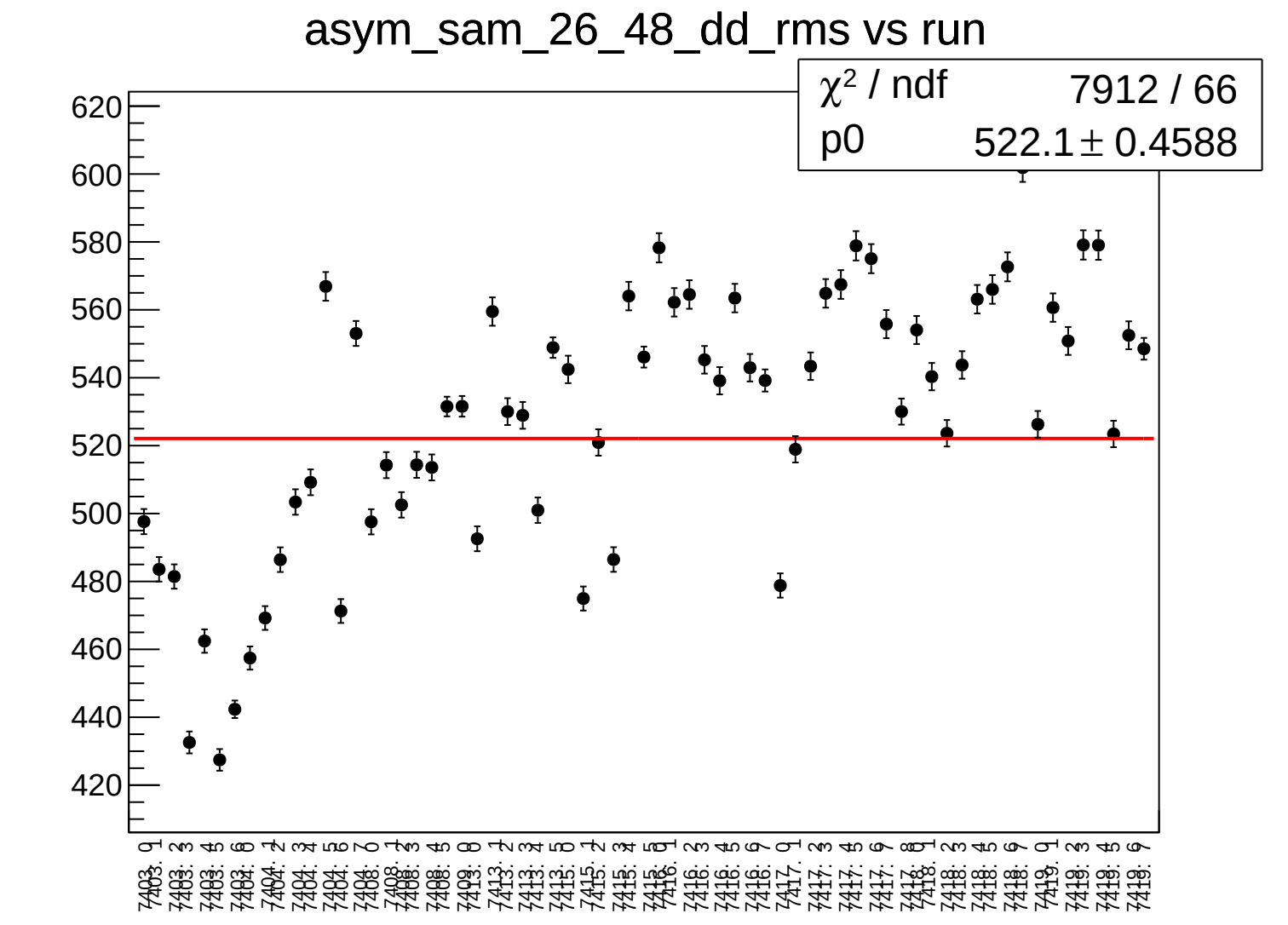

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 48.53 / 66
p0 116.8 ± 676.1
pull
Entries 67
Mean 60.12
Std Dev 53.37

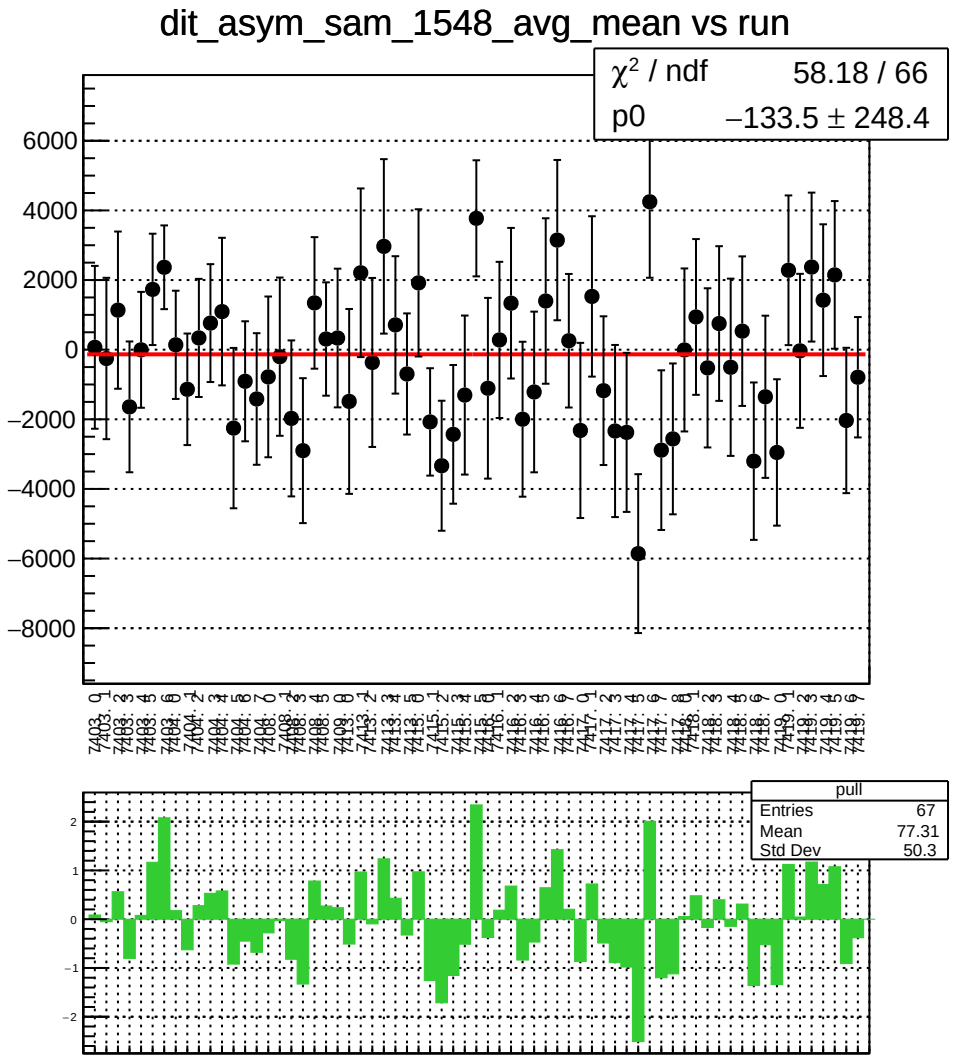

pull1D
Entries 67
Mean −0.007596
Std Dev 0.851

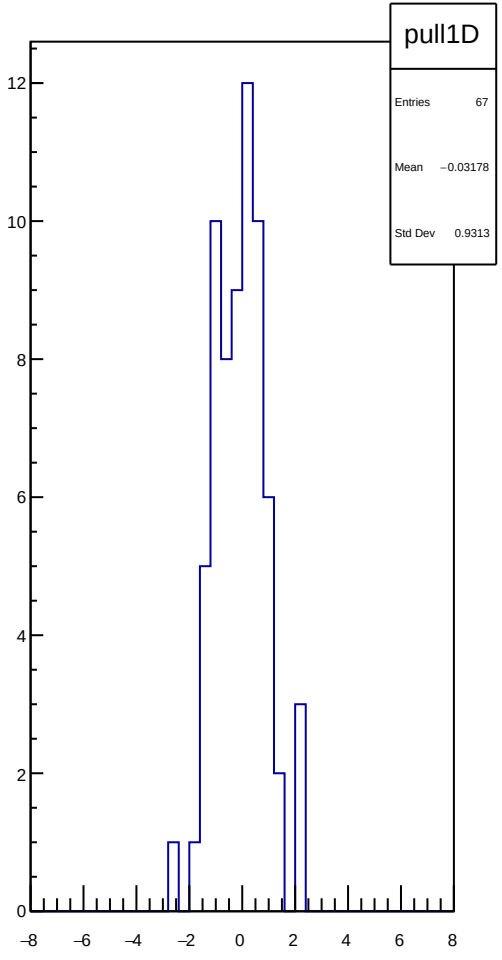

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3303 / 66
p0 545 ± 0.4781
640
620
600
580
560
540
520
500
480

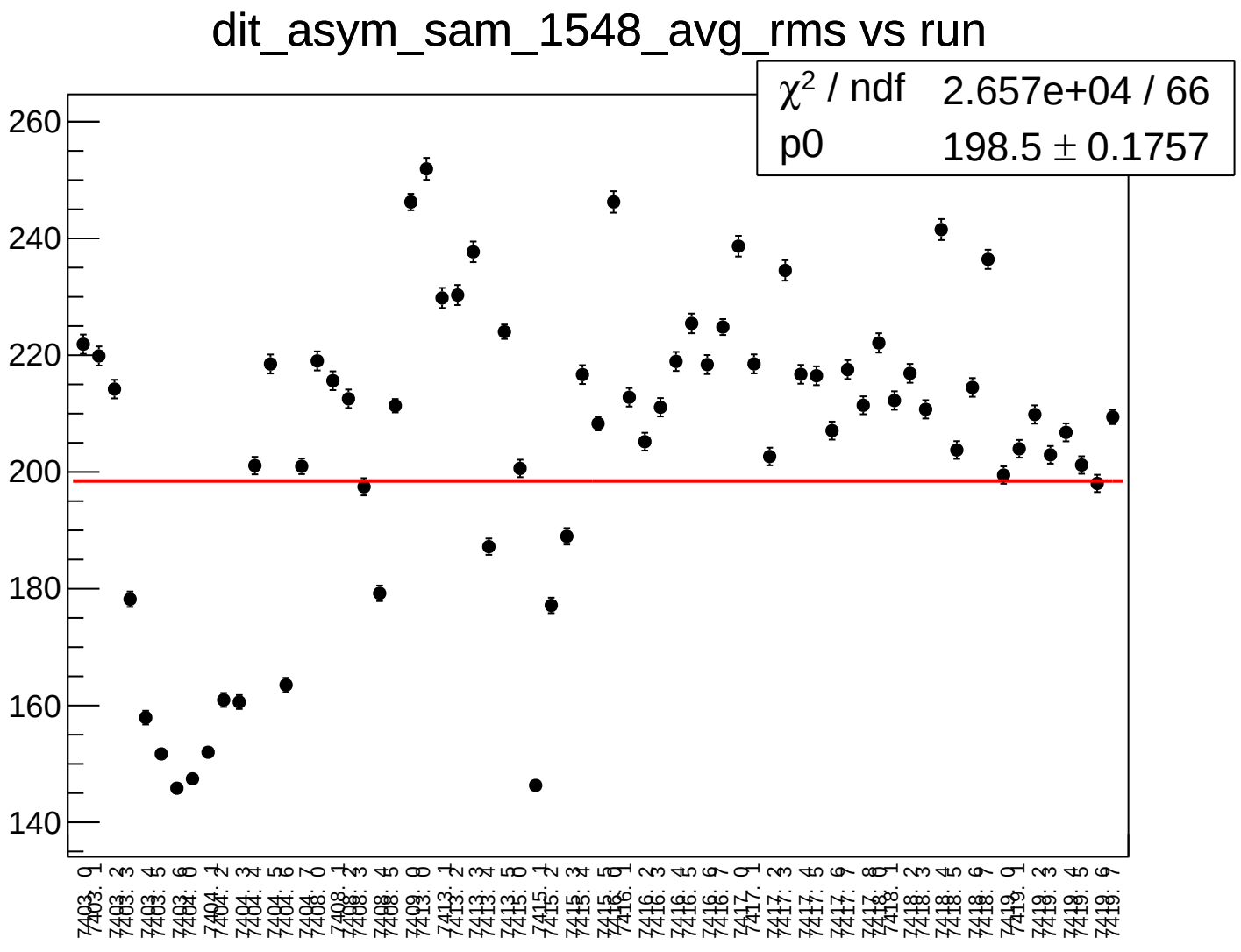

asym_sam_26_48_dd_mean vs run
χ² / ndf 54.74 / 66
p0 60.2 ± 648.8
pull
Entries 67
Mean 78.61
Std Dev 63.73

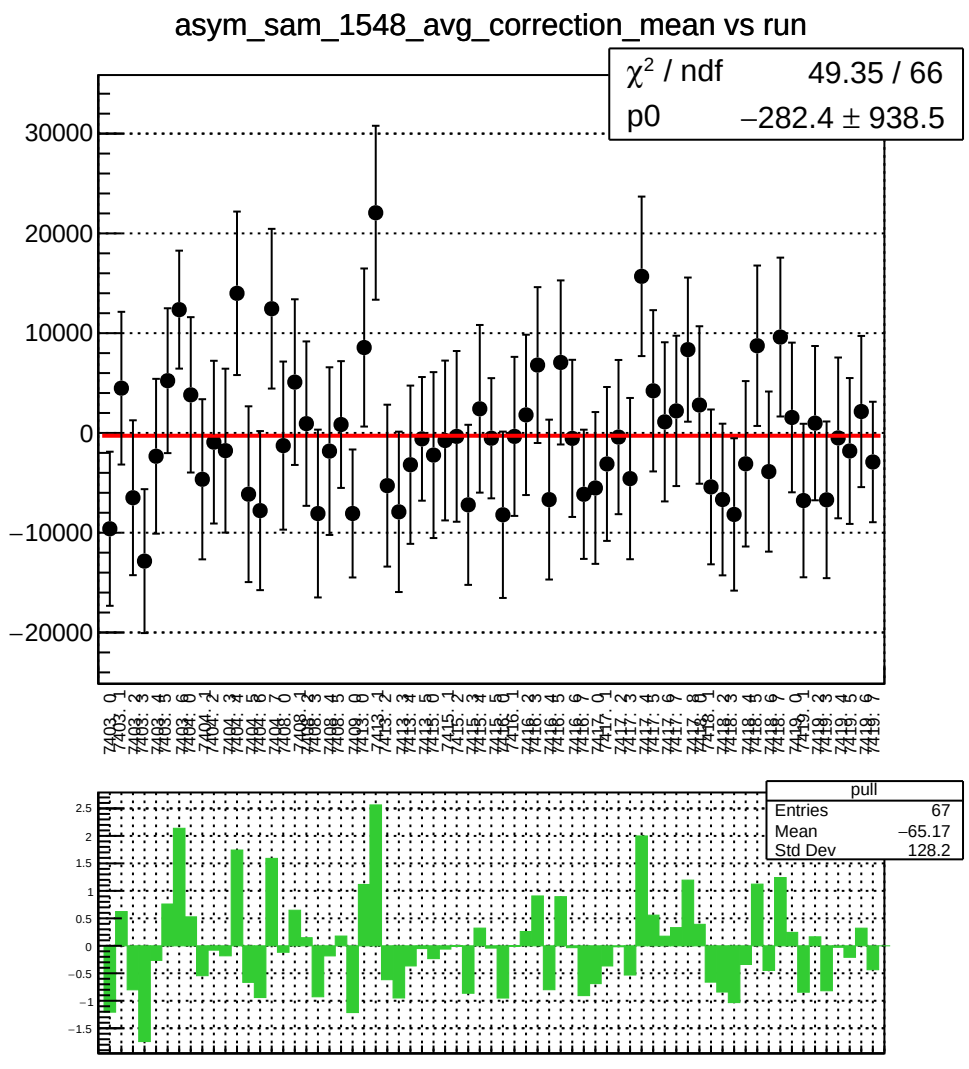

pull1D
Entries 67
Mean 0.0127
Std Dev 0.9038

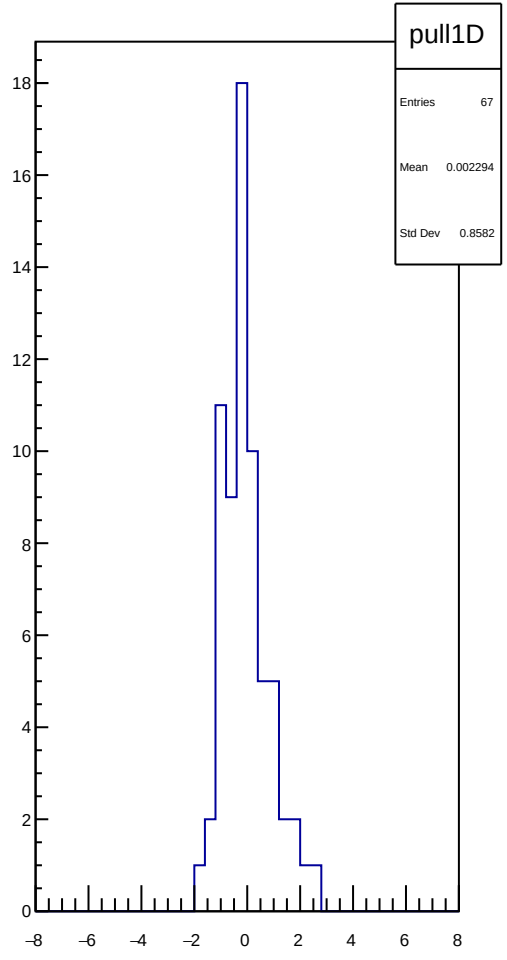

asym_sam_26_48_dd_rms vs run
χ² / ndf 7912 / 66
p0 522.1 ± 0.4588
620
600
580
560
540
520
500
480
460
440
420

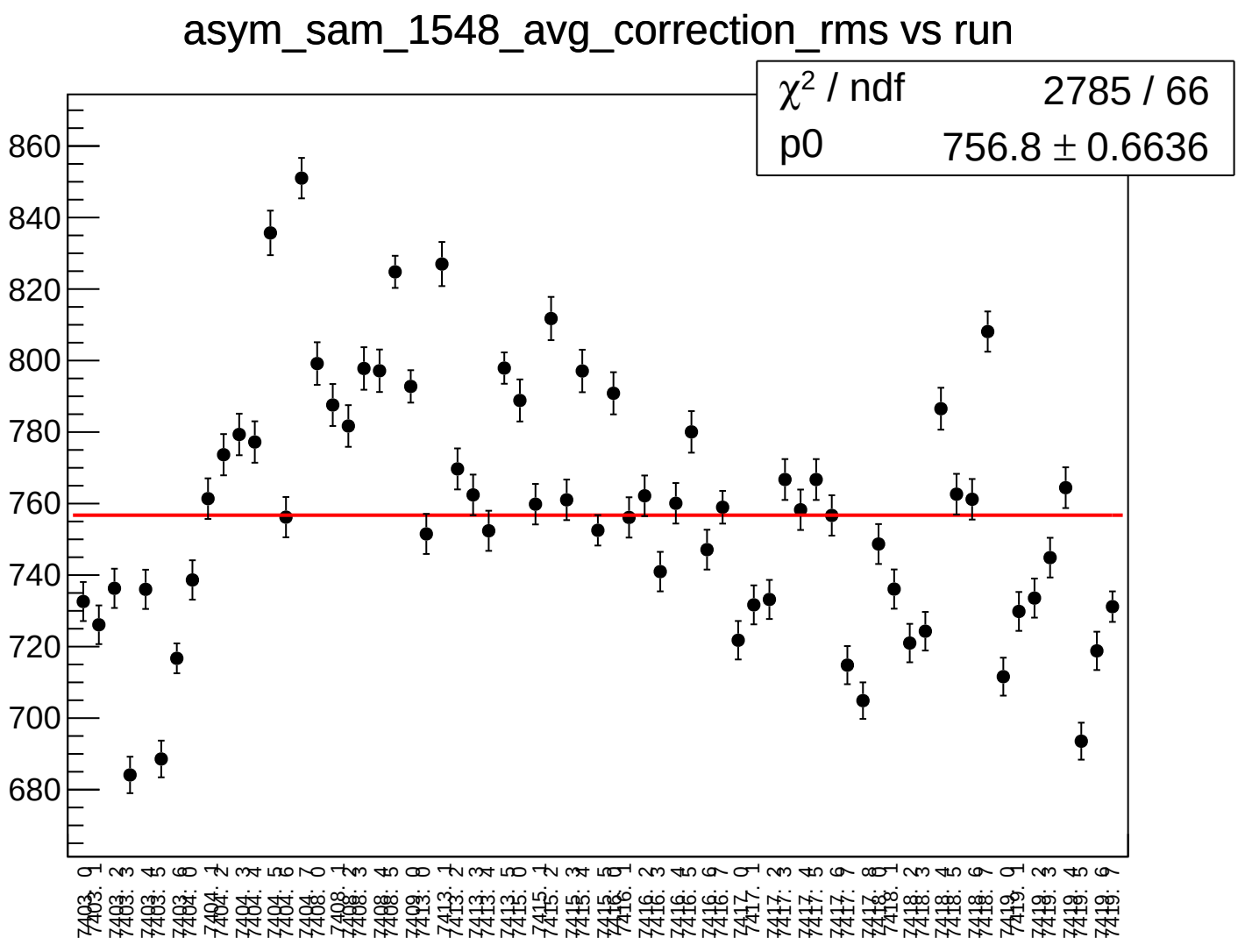

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 58.18 / 66
p0 −133.5 ± 248.4
pull
Entries 67
Mean 77.31
Std Dev 50.3

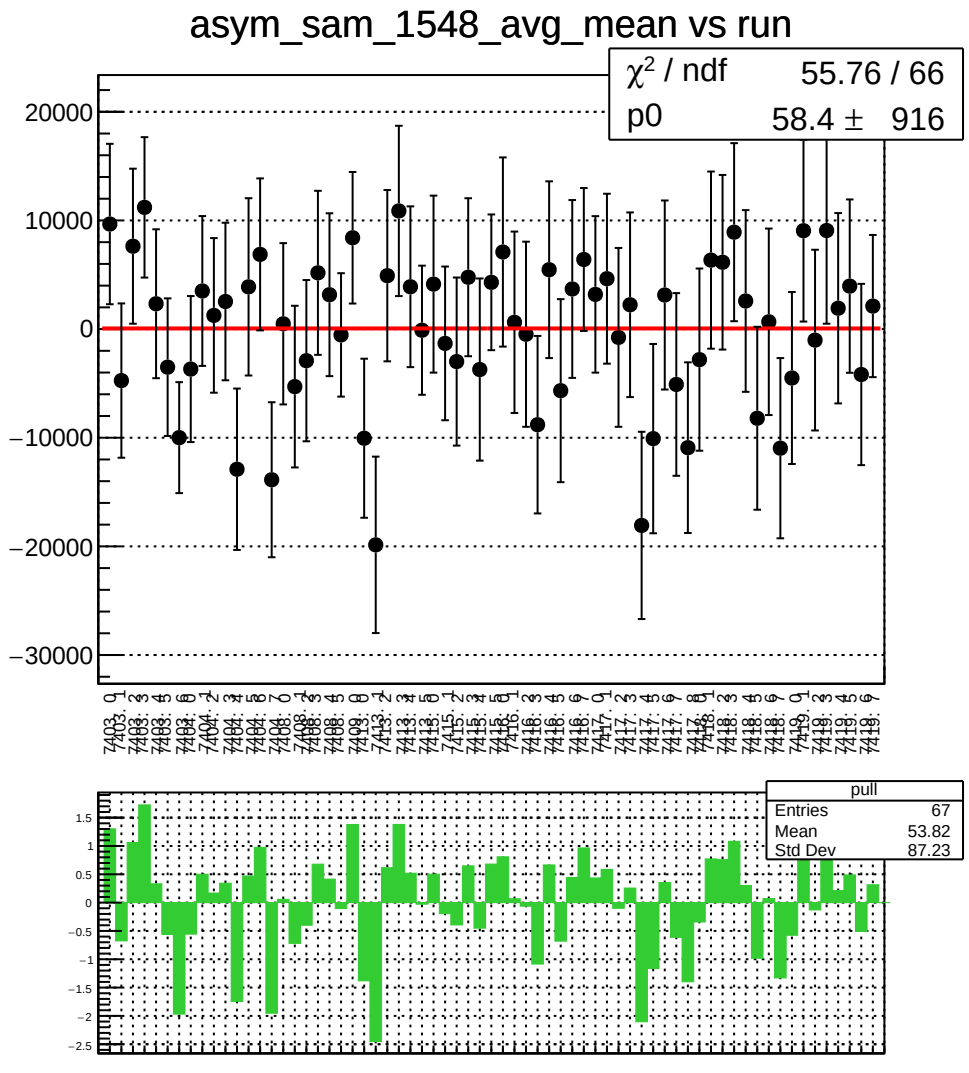

pull1D
Entries 67
Mean −0.03178
Std Dev 0.9313

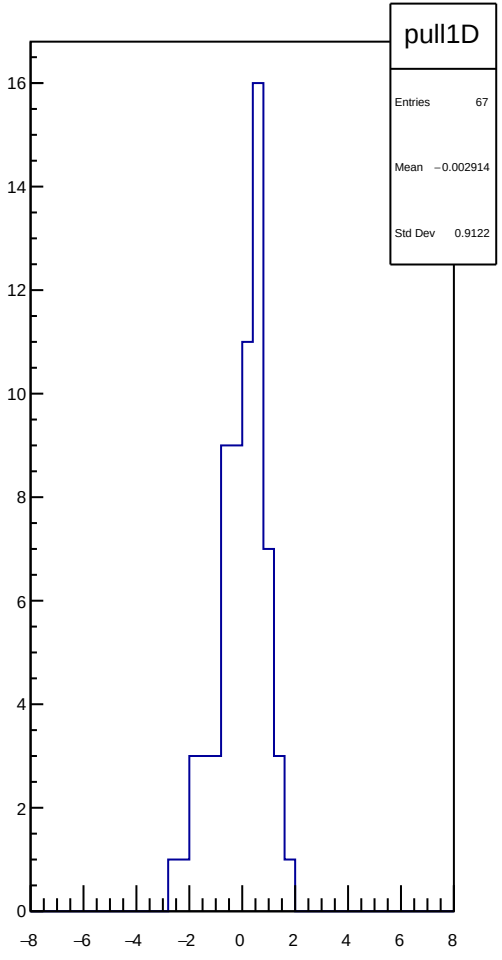

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.657e+04 / 66
p0 198.5 ± 0.1757
260
240
220
200
180
160
140

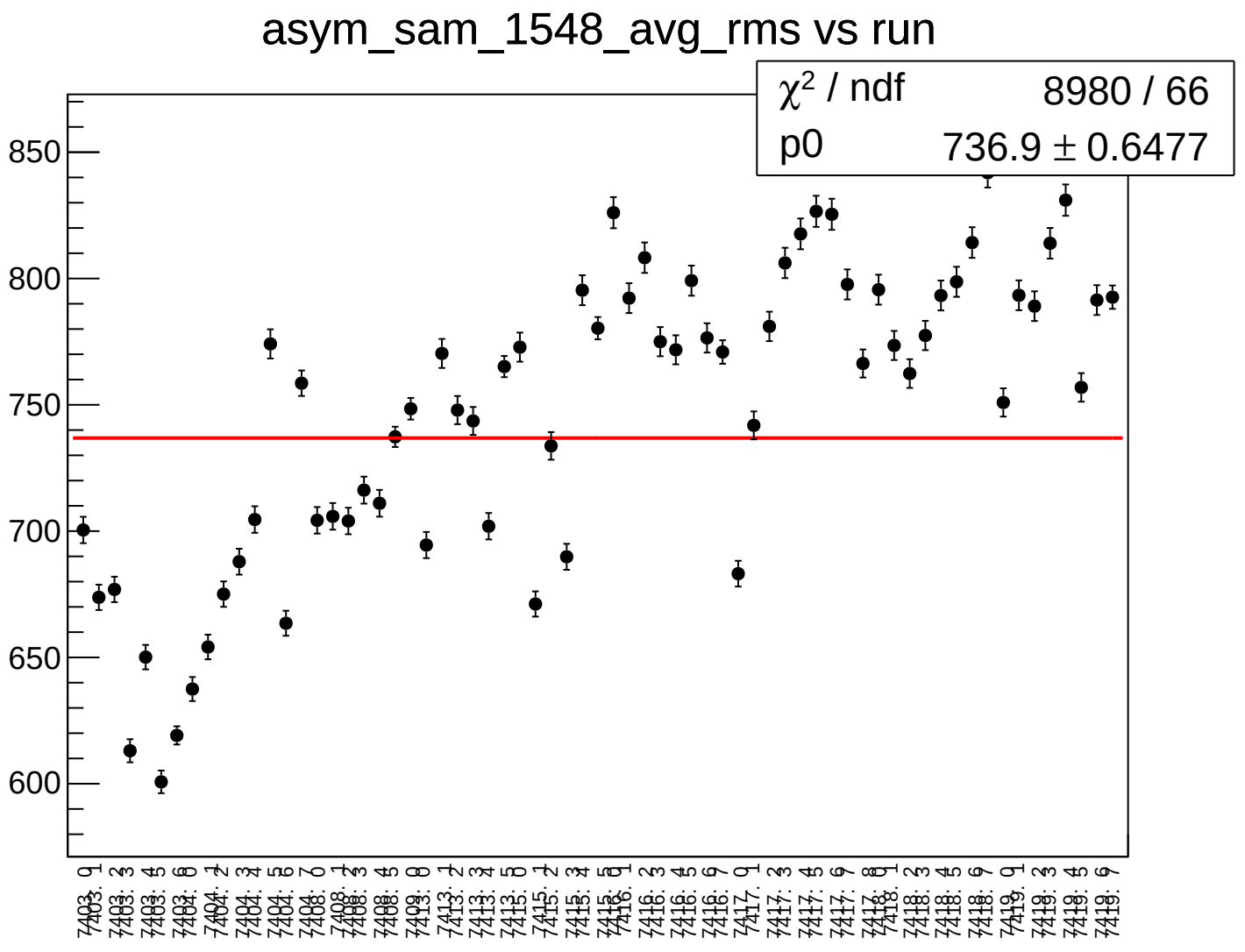

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 49.35 / 66
p0 −282.4 ± 938.5
30000
20000
10000
0
−10000
−20000
pull
Entries 67
Mean −65.17
Std Dev 128.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

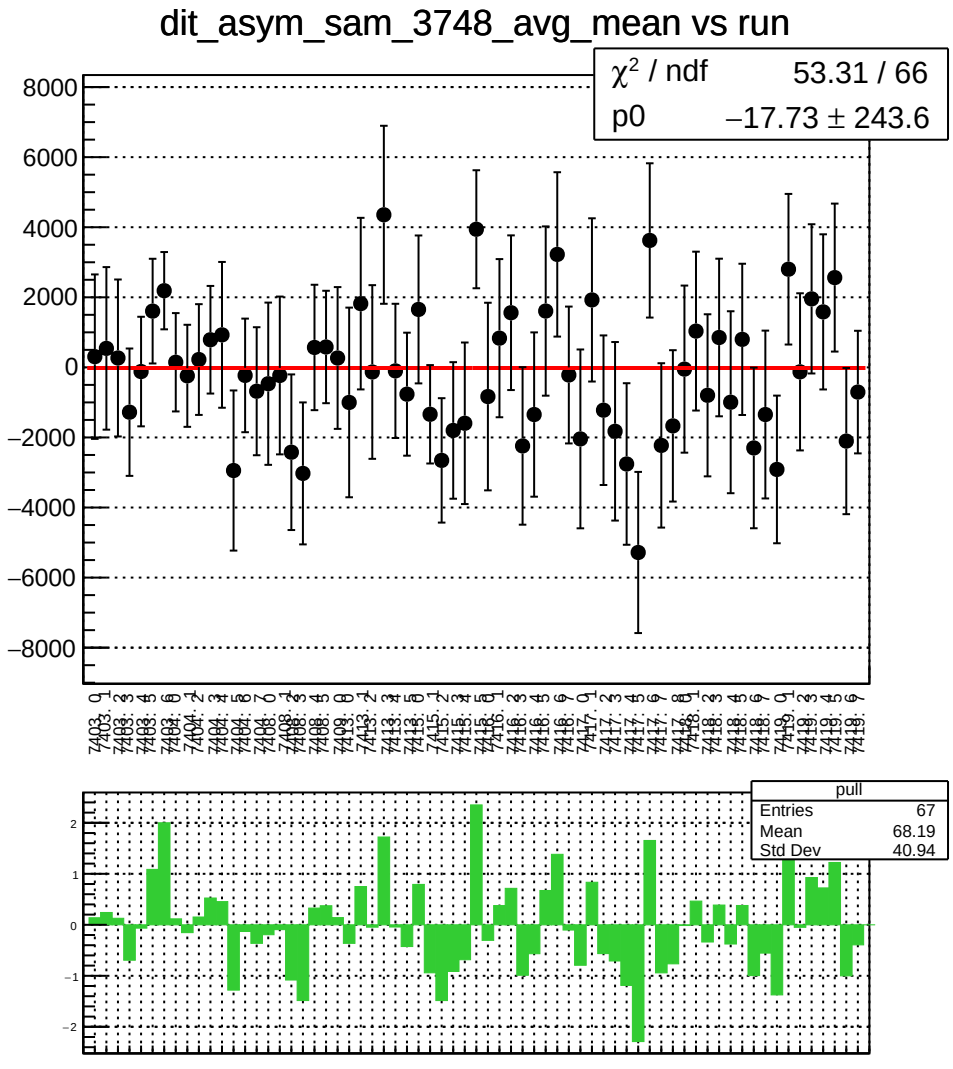

pull1D
Entries 67
Mean 0.002294
Std Dev 0.8582
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

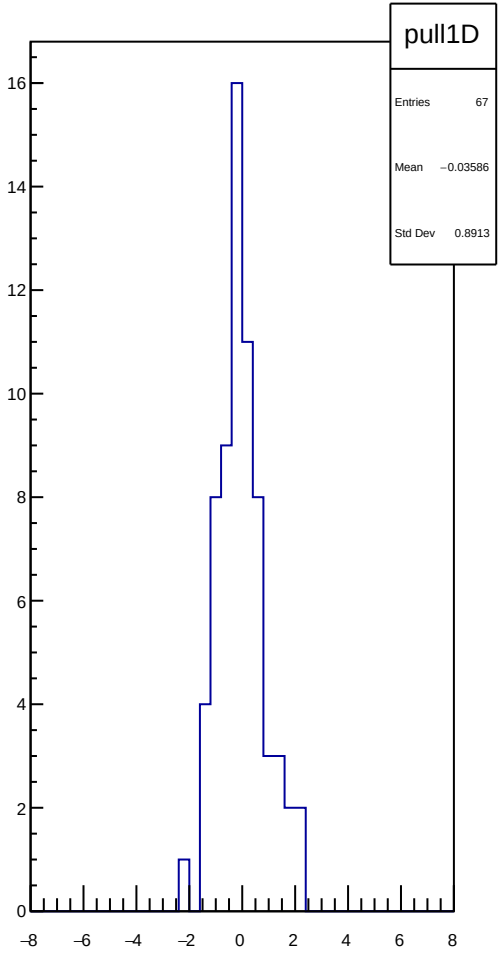

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2785 / 66
p0 756.8 ± 0.6636
860
840
820
800
780
760
740
720
700
680

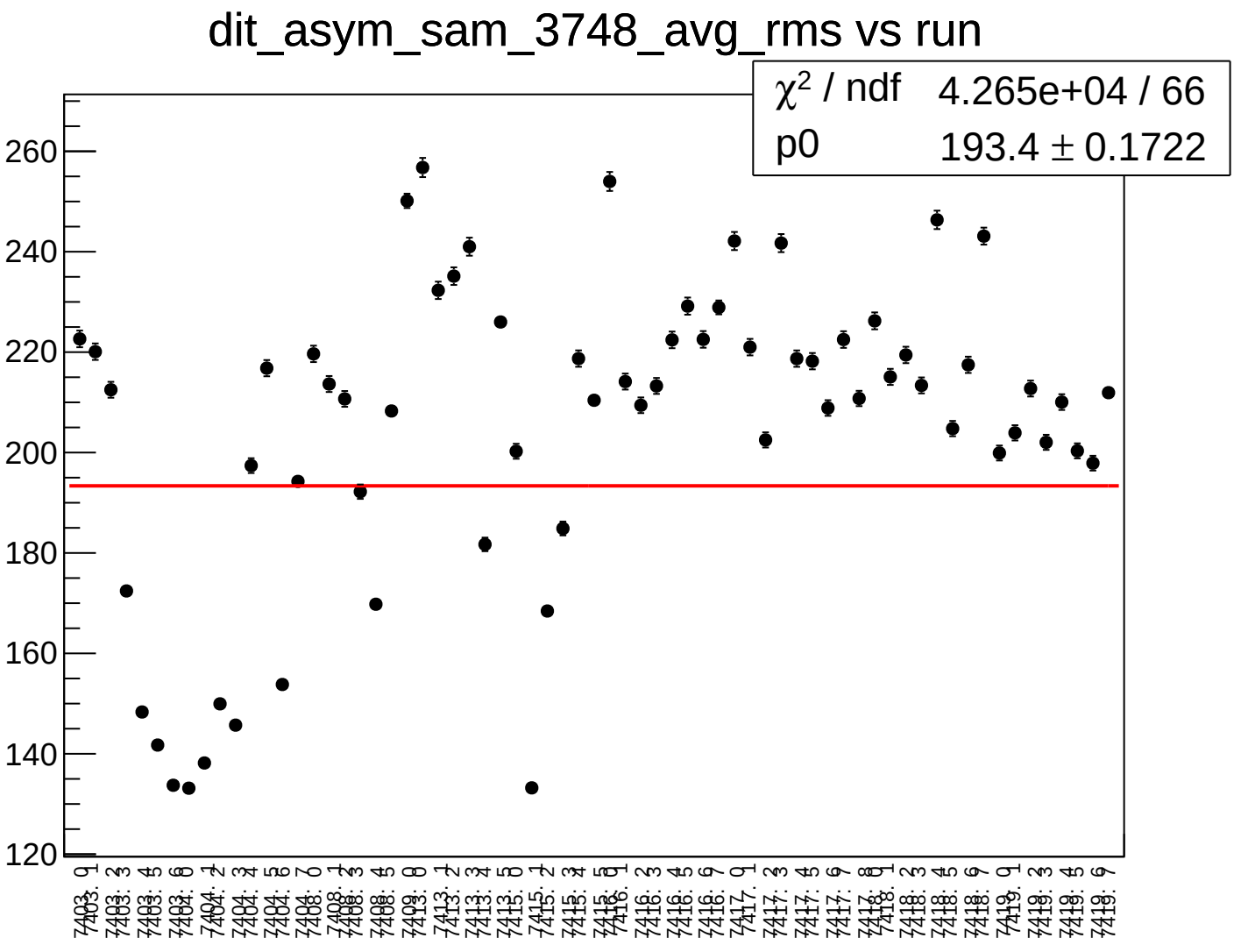

asym_sam_1548_avg_mean vs run
χ² / ndf 55.76 / 66
p0 58.4 ± 916
pull
Entries 67
Mean 53.82
Std Dev 87.23

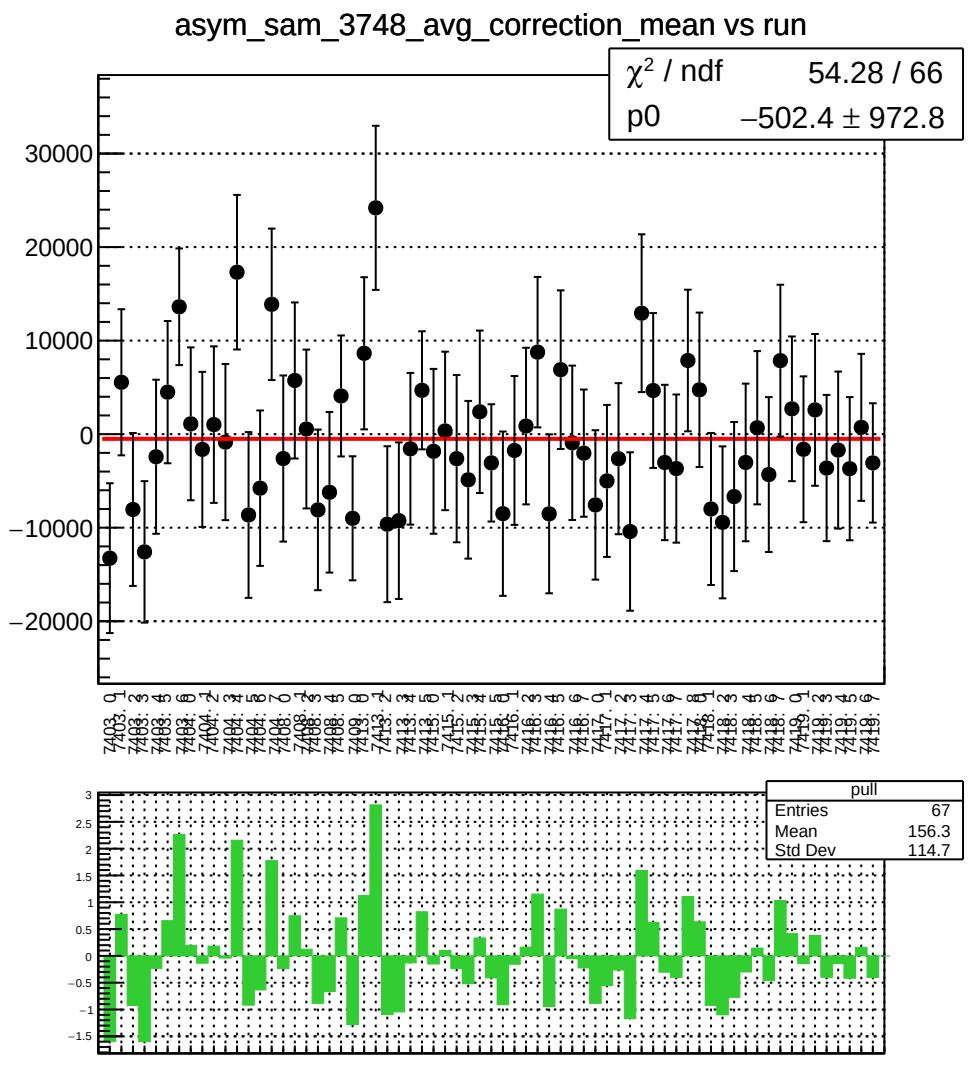

pull1D
Entries 67
Mean −0.002914
Std Dev 0.9122

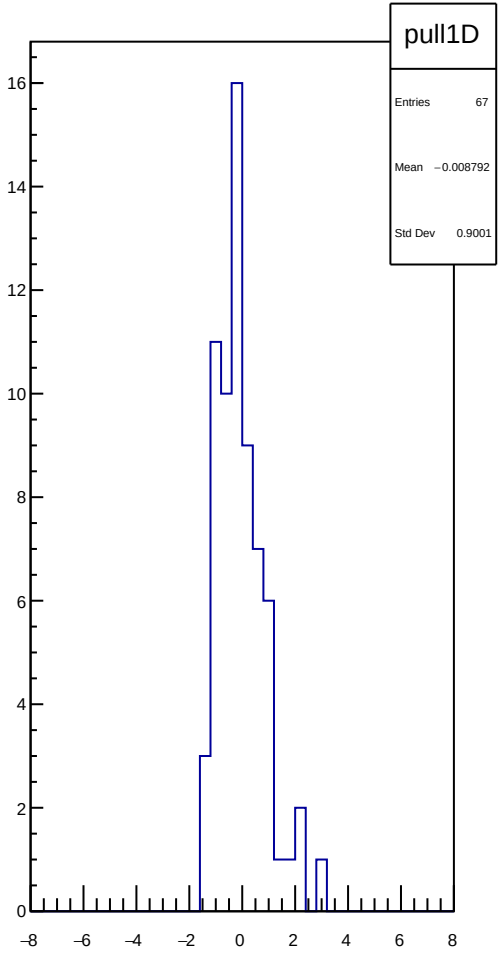

asym_sam_1548_avg_rms vs run
χ² / ndf 8980 / 66
p0 736.9 ± 0.6477
850
800
750
700
650
600

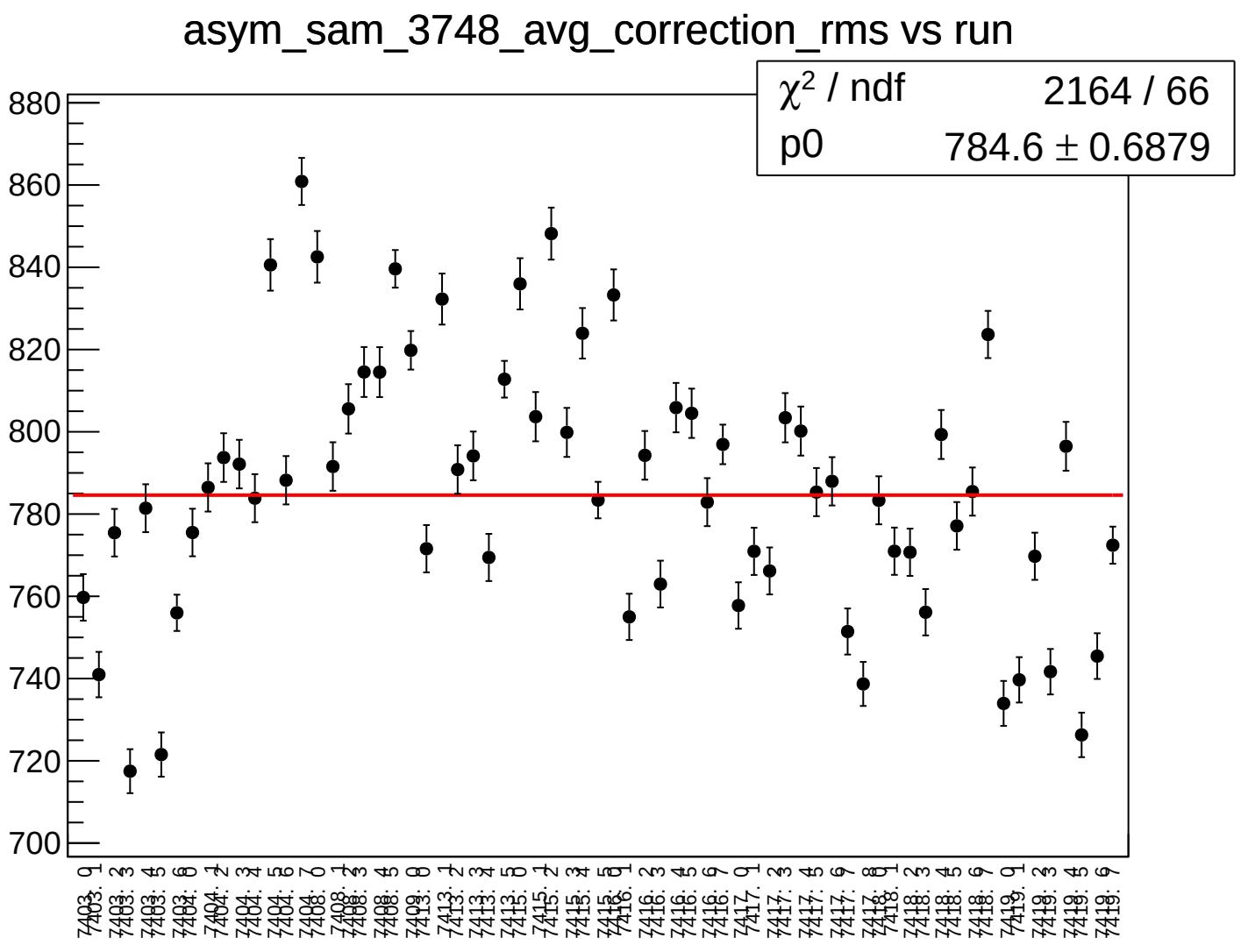

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 53.31 / 66
p0 −17.73 ± 243.6
pull
Entries 67
Mean 68.19
Std Dev 40.94

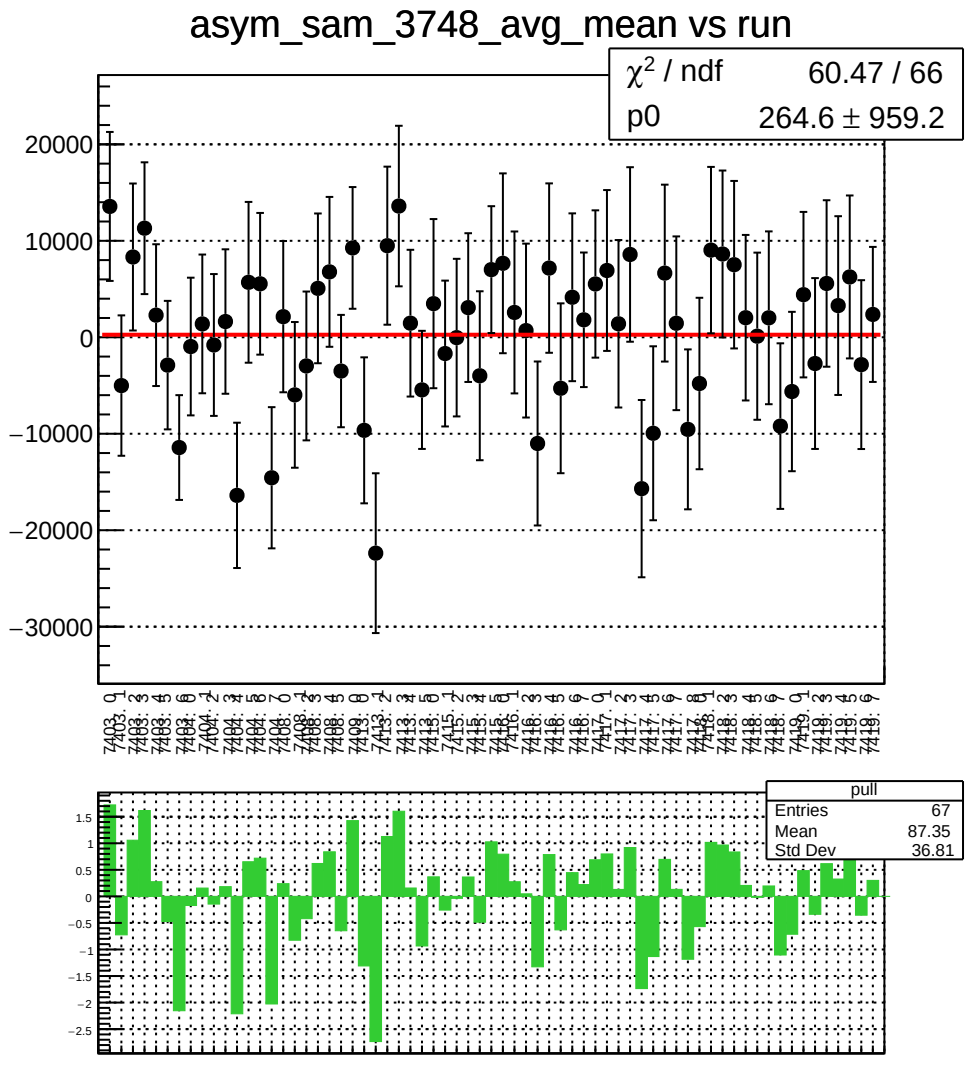

pull1D
Entries 67
Mean −0.03586
Std Dev 0.8913

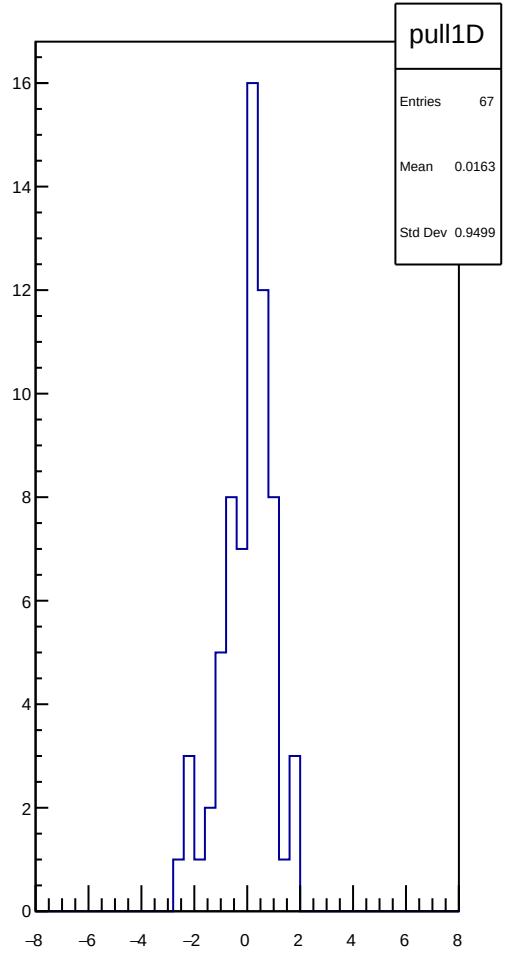

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.265e+04 / 66
p0 193.4 ± 0.1722
260
240
220
200
180
160
140
120

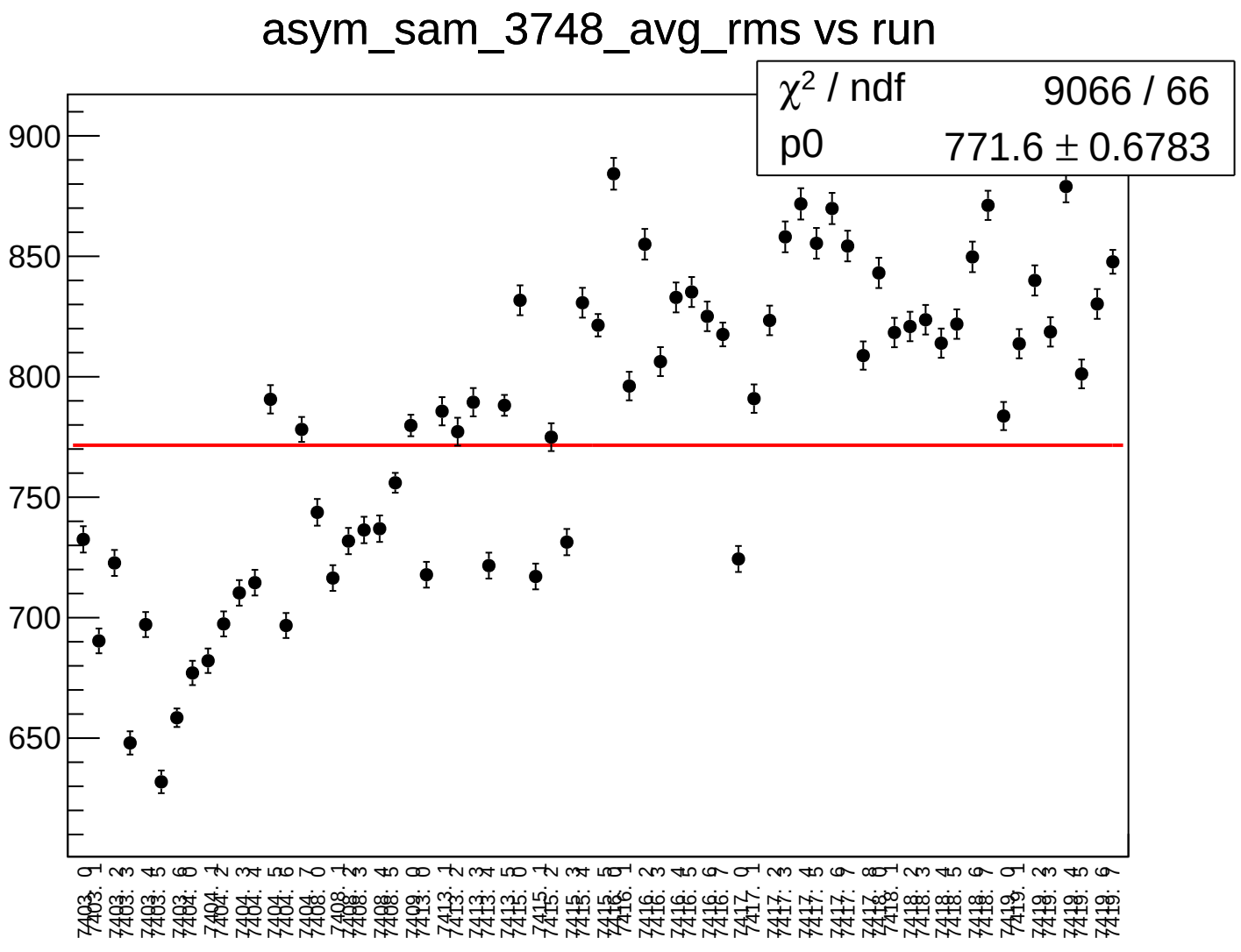

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 54.28 / 66
p0 −502.4 ± 972.8
30000
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 156.3
Std Dev 114.7
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

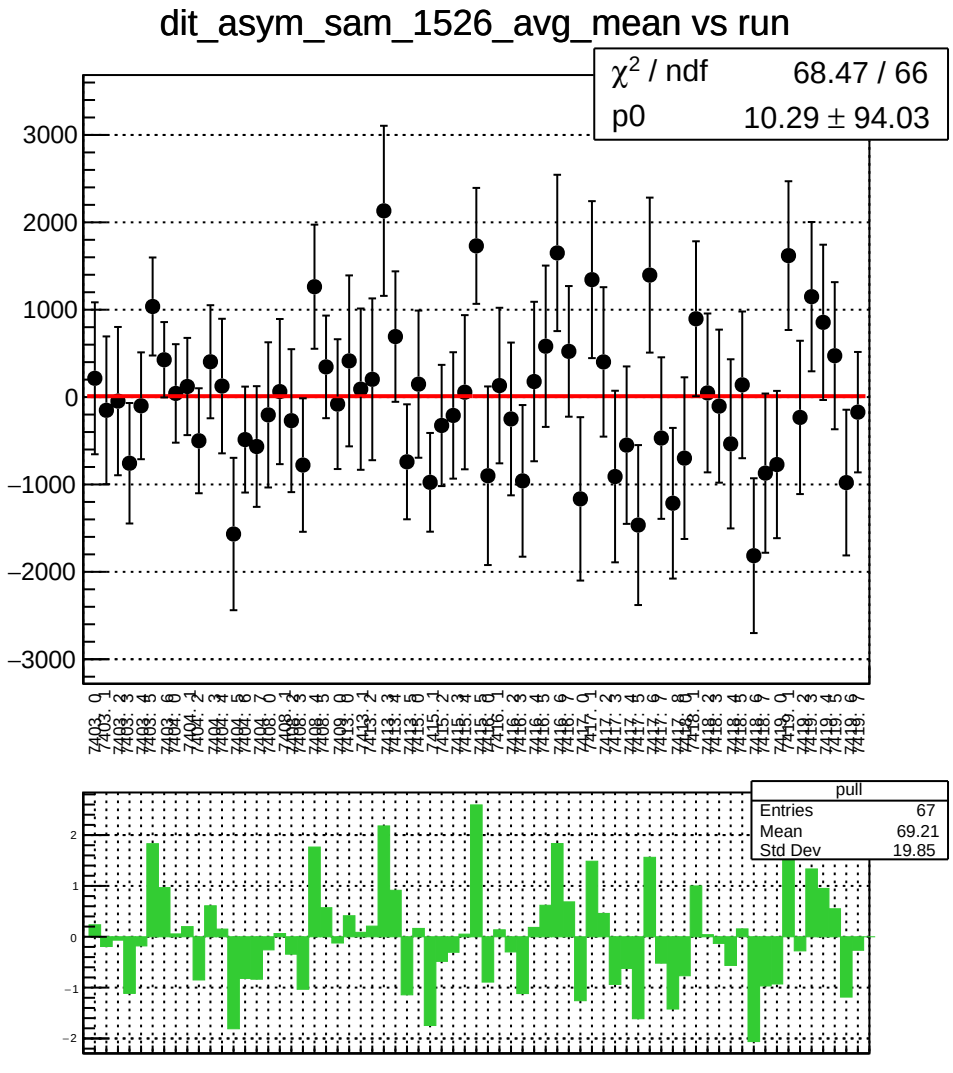

pull1D
Entries 67
Mean −0.008792
Std Dev 0.9001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

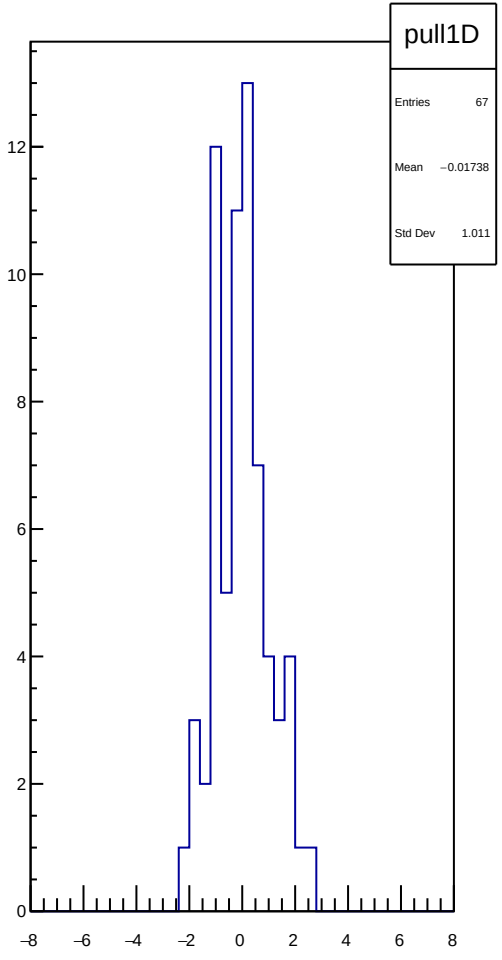

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2164 / 66
p0 784.6 ± 0.6879
880
860
840
820
800
780
760
740
720
700

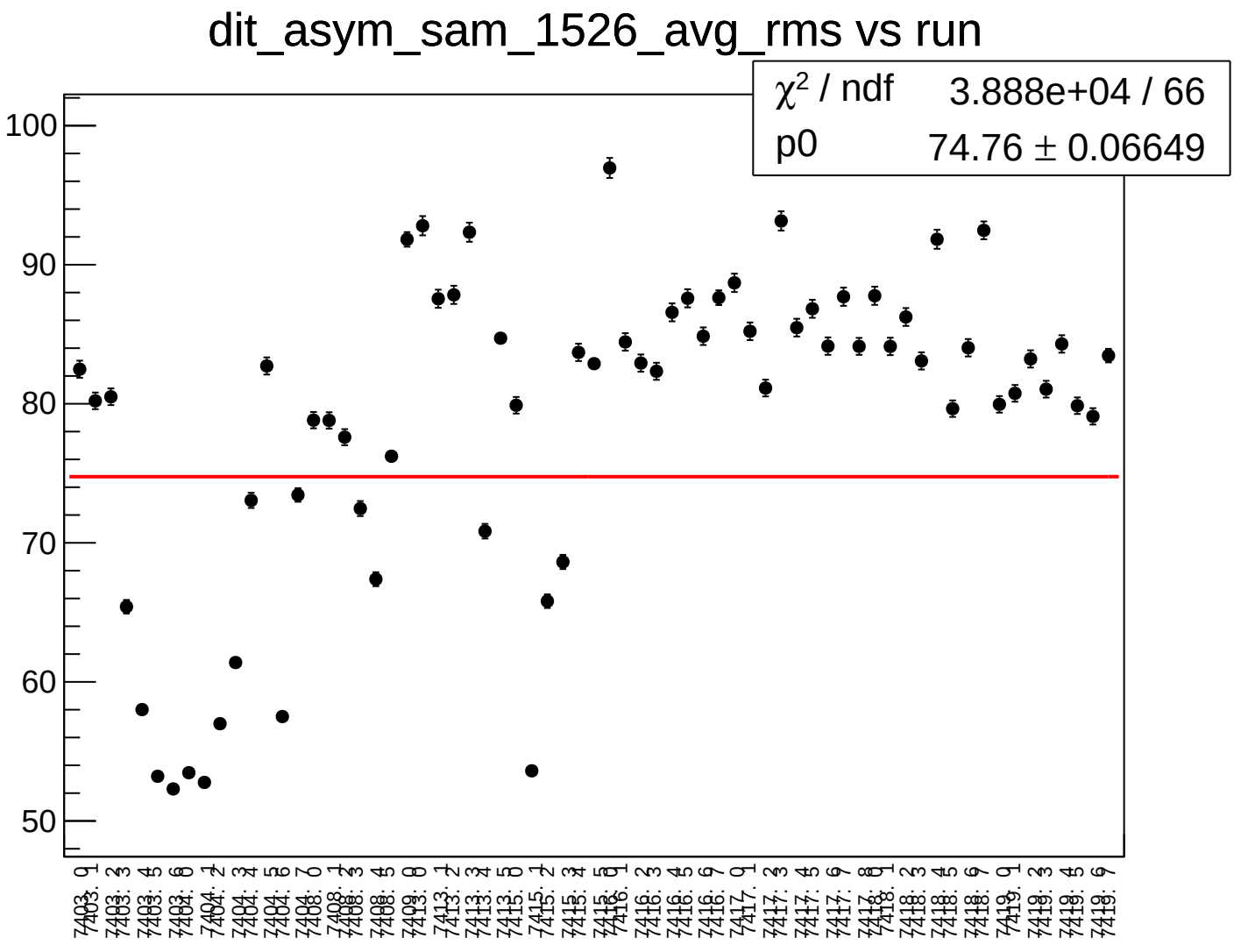

asym_sam_3748_avg_mean vs run
χ² / ndf 60.47 / 66
p0 264.6 ± 959.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 87.35
Std Dev 36.81
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 67
Mean 0.0163
Std Dev 0.9499
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

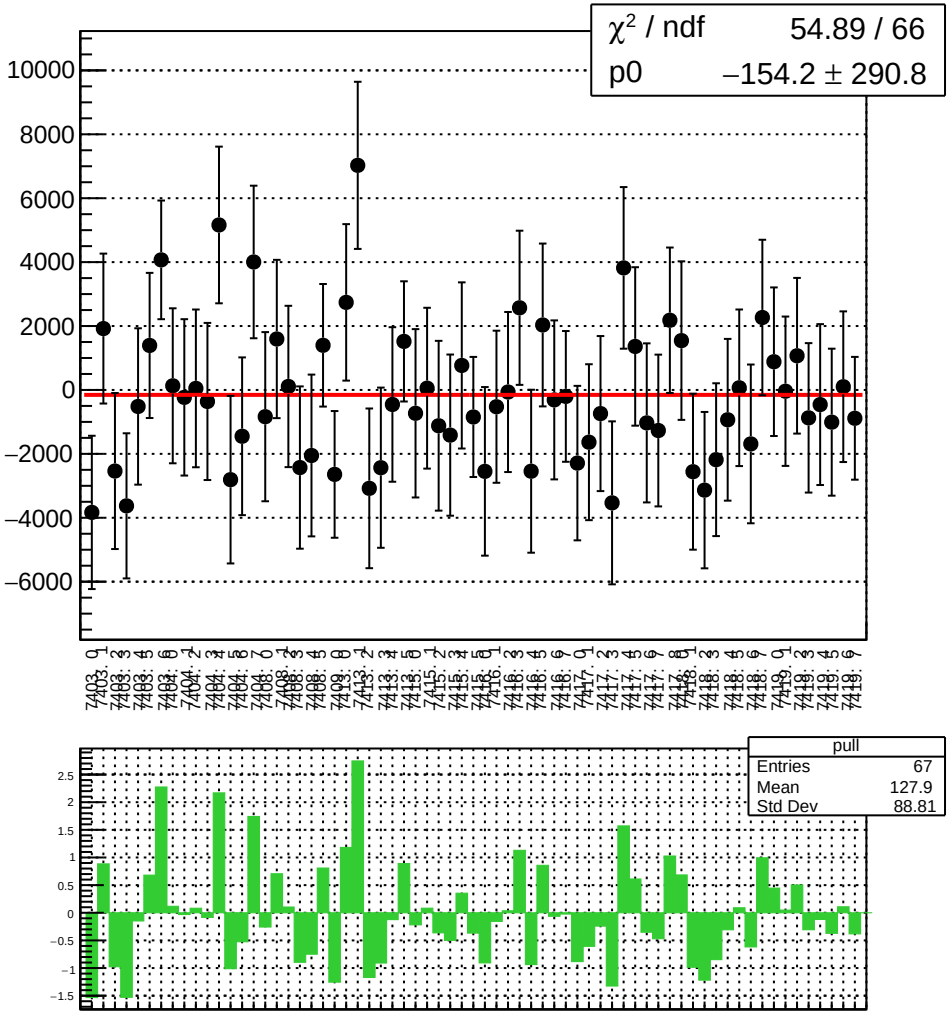

asym_sam_3748_avg_rms vs run
$\chi^2$ / ndf 9066 / 66
p0 771.6 ± 0.6783
900
850
800
750
700
650

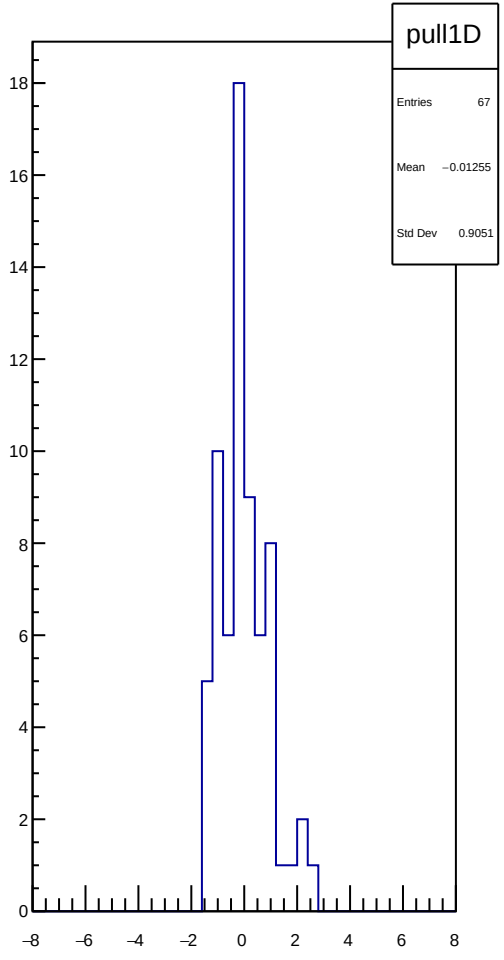

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 68.47 / 66
p0 10.29 ± 94.03
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 67
Mean 69.21
Std Dev 19.85
2
1
0
−1
−2

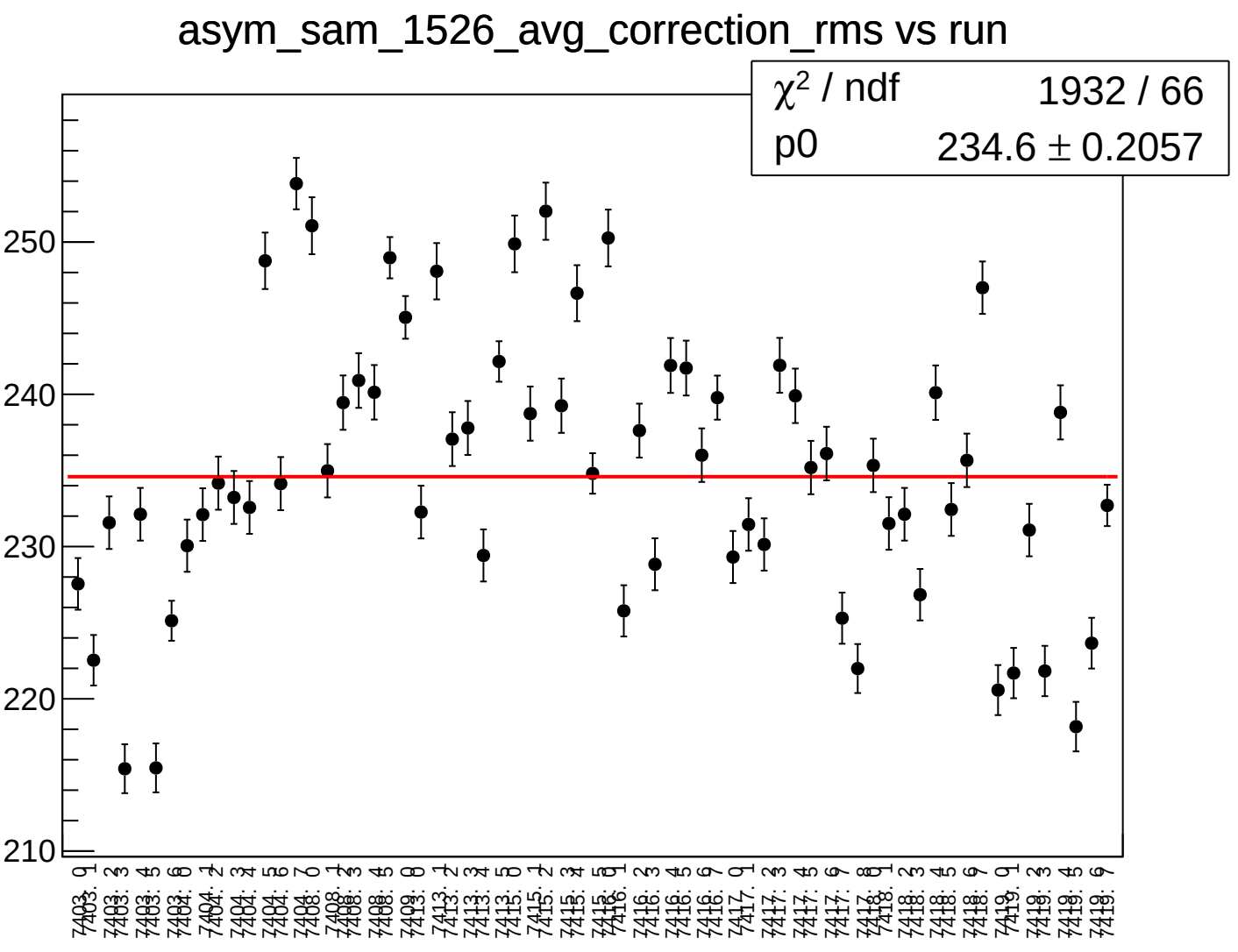

pull1D
Entries 67
Mean −0.01738
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

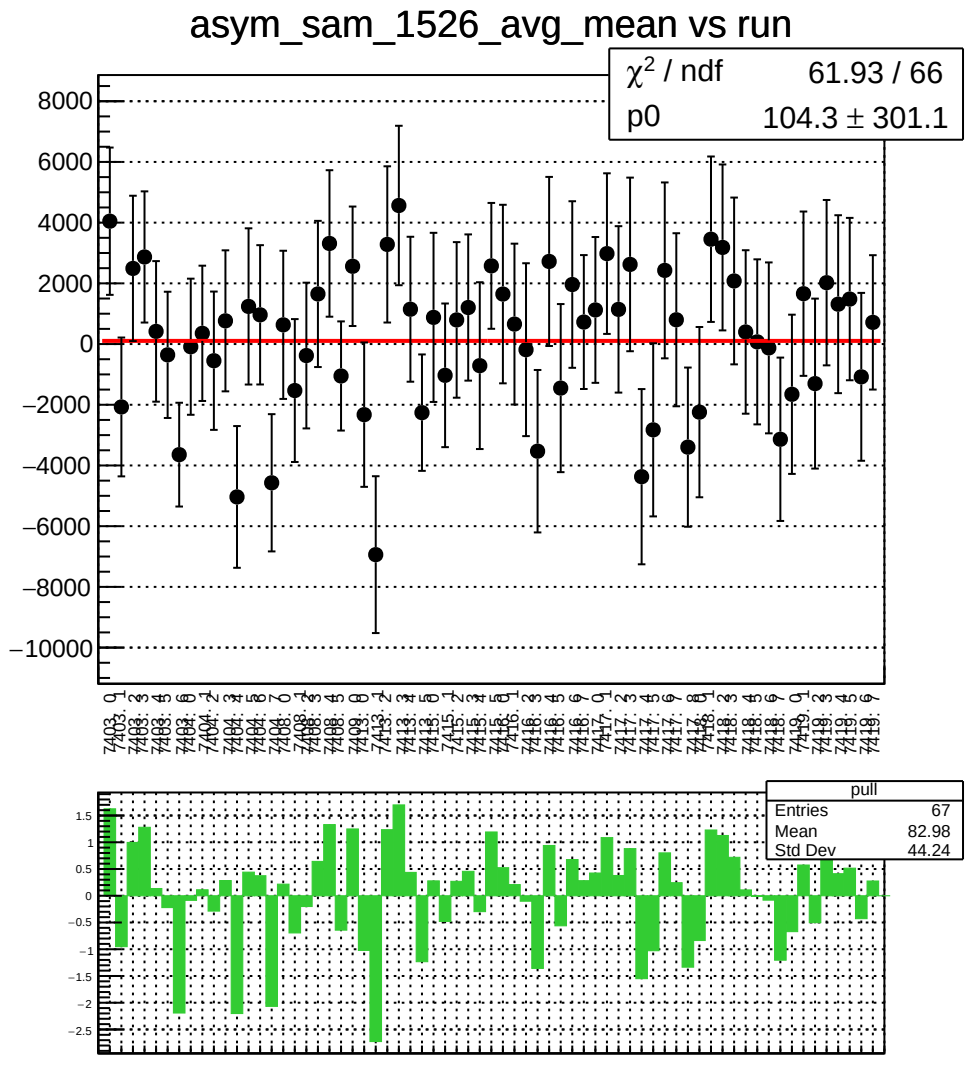

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3.888e+04 / 66
p0 74.76 ± 0.06649
100
90
80
70
60
50

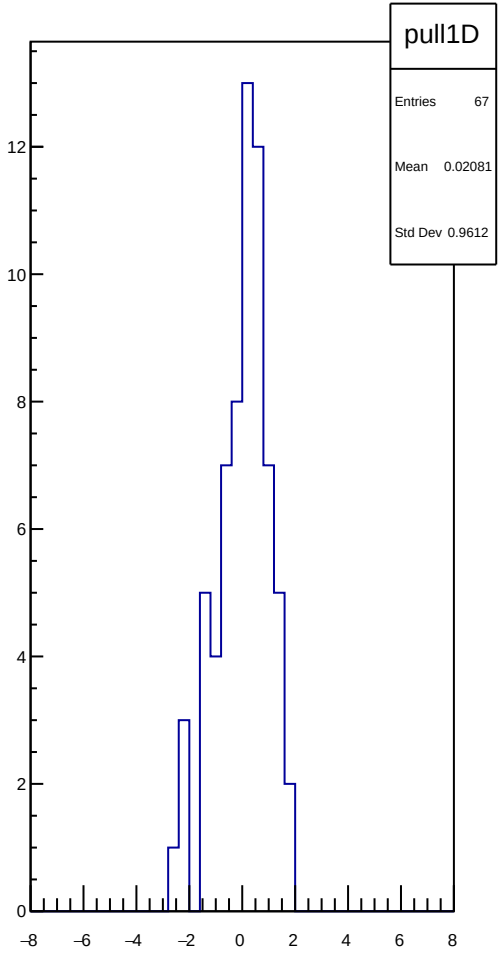
asym_sam_1526_avg_correction_mean vs run

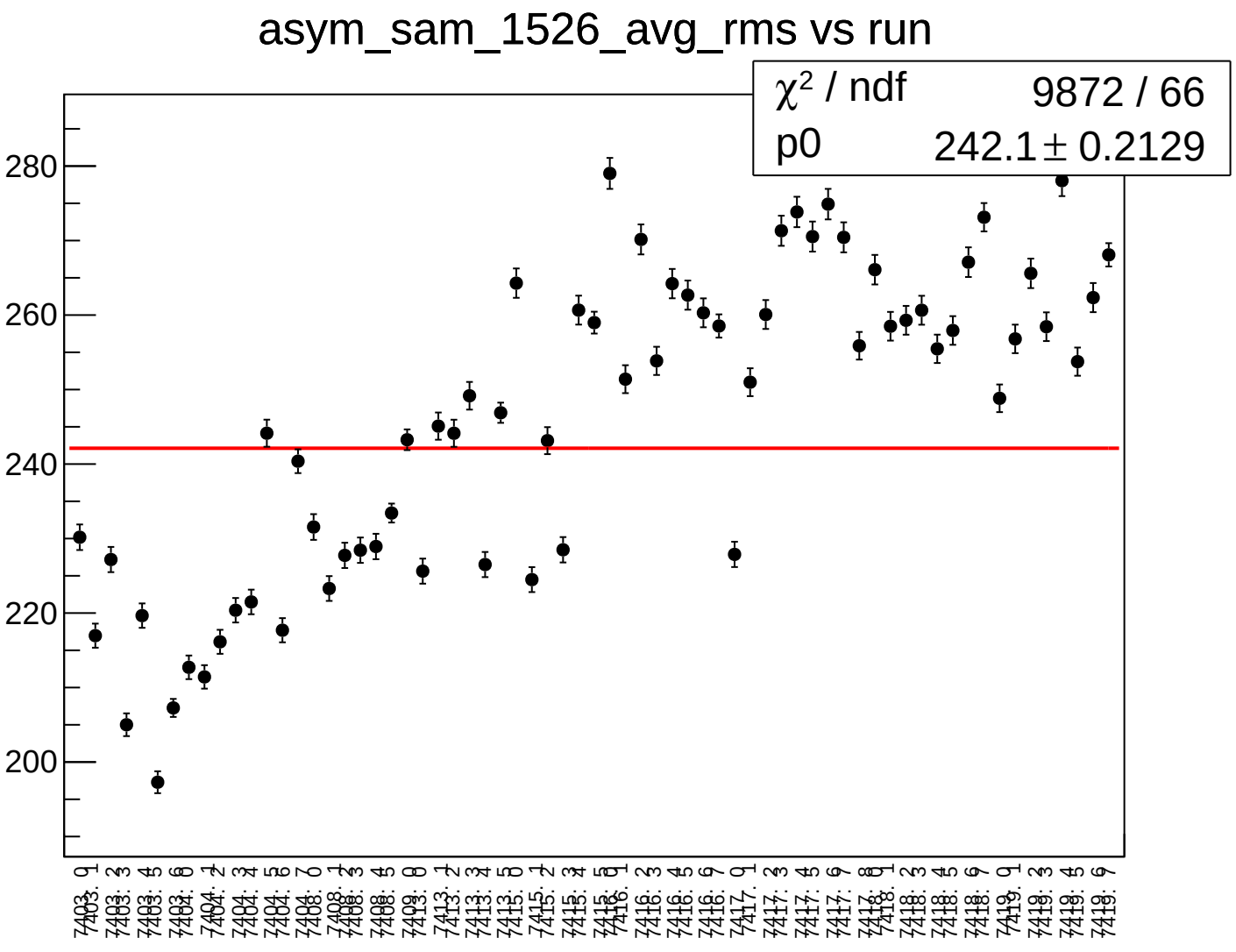


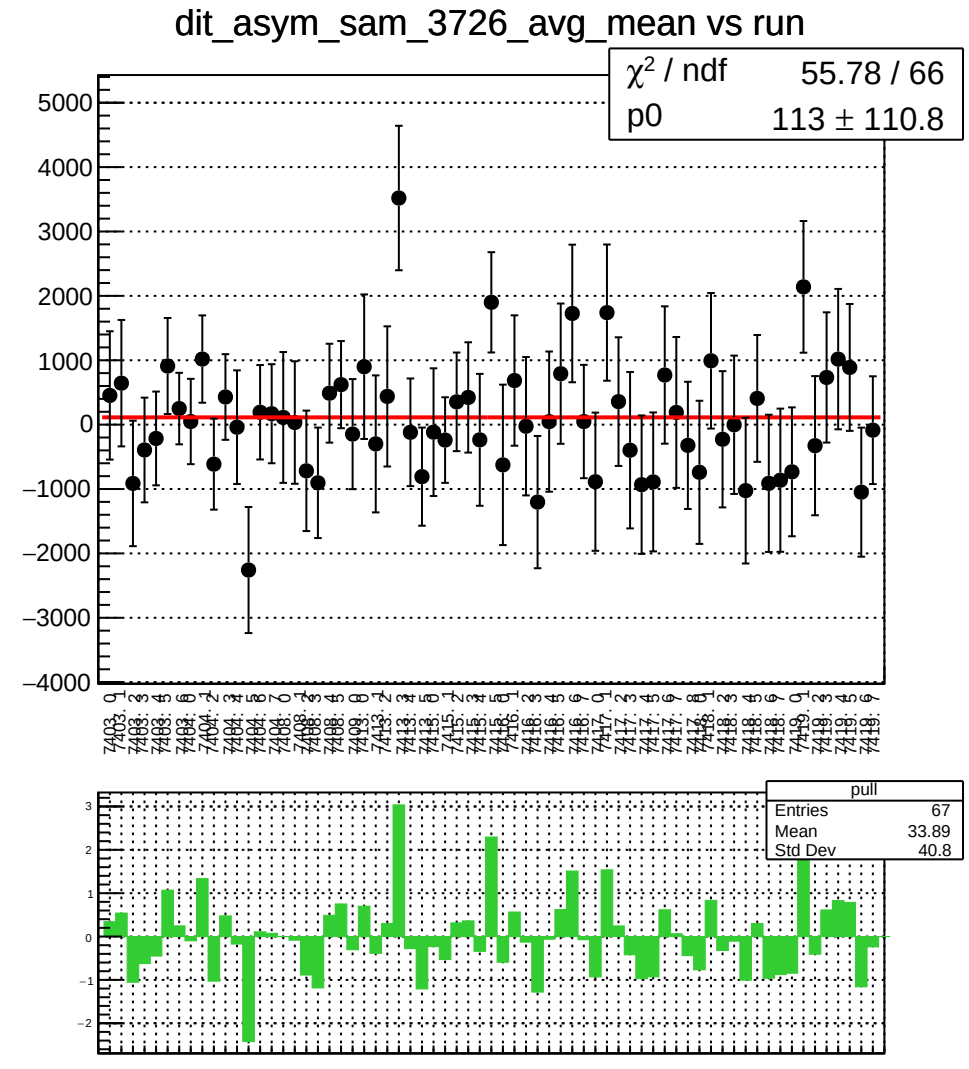



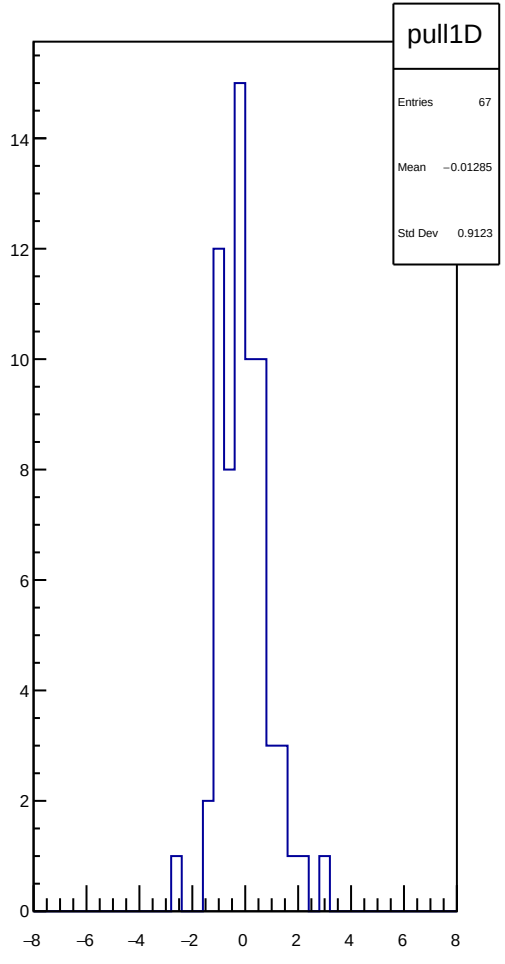

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1932 / 66
p0 234.6 ± 0.2057
250
240
230
220
210

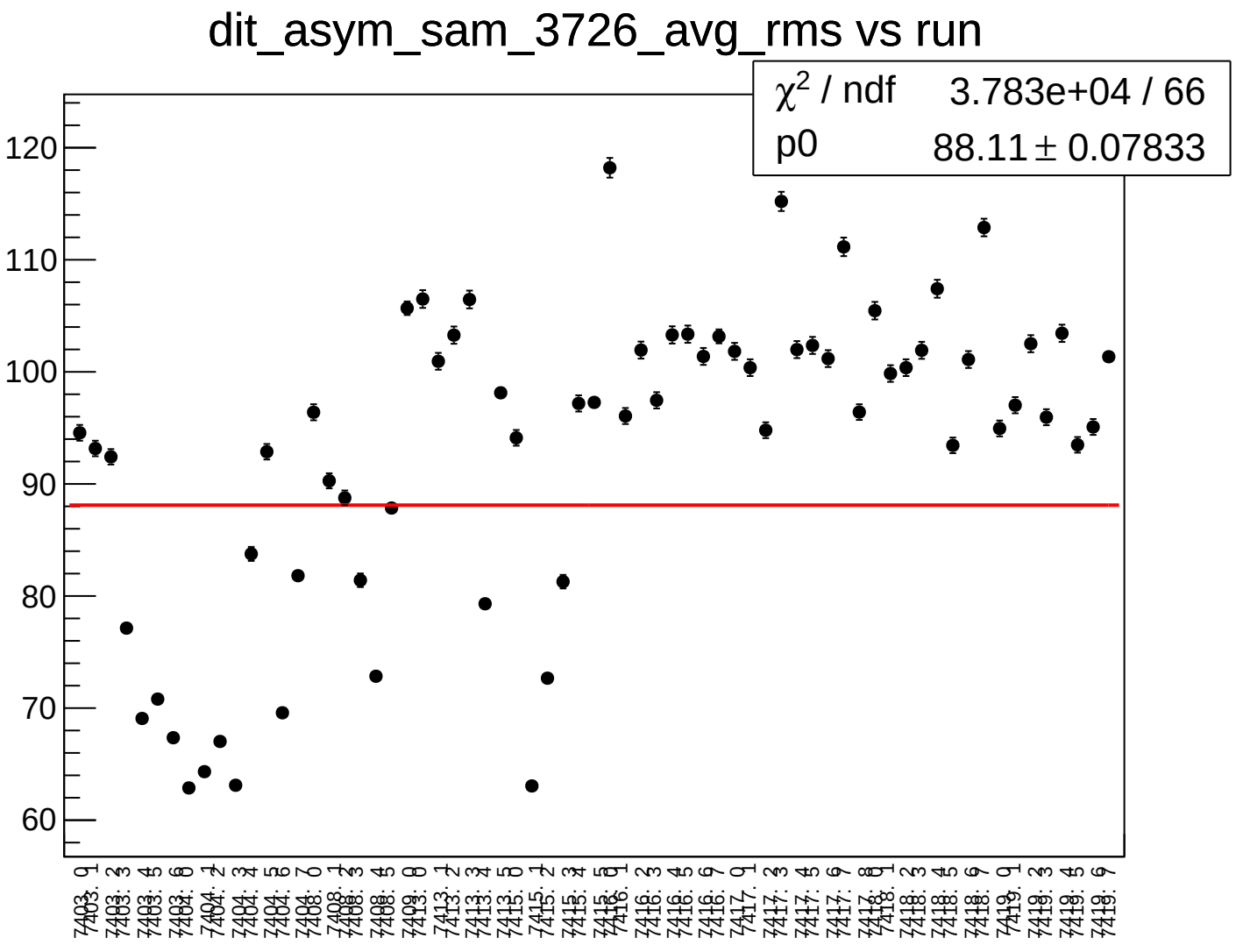

asym_sam_1526_avg_mean vs run
χ² / ndf 61.93 / 66
p0 104.3 ± 301.1
pull
Entries 67
Mean 82.98
Std Dev 44.24

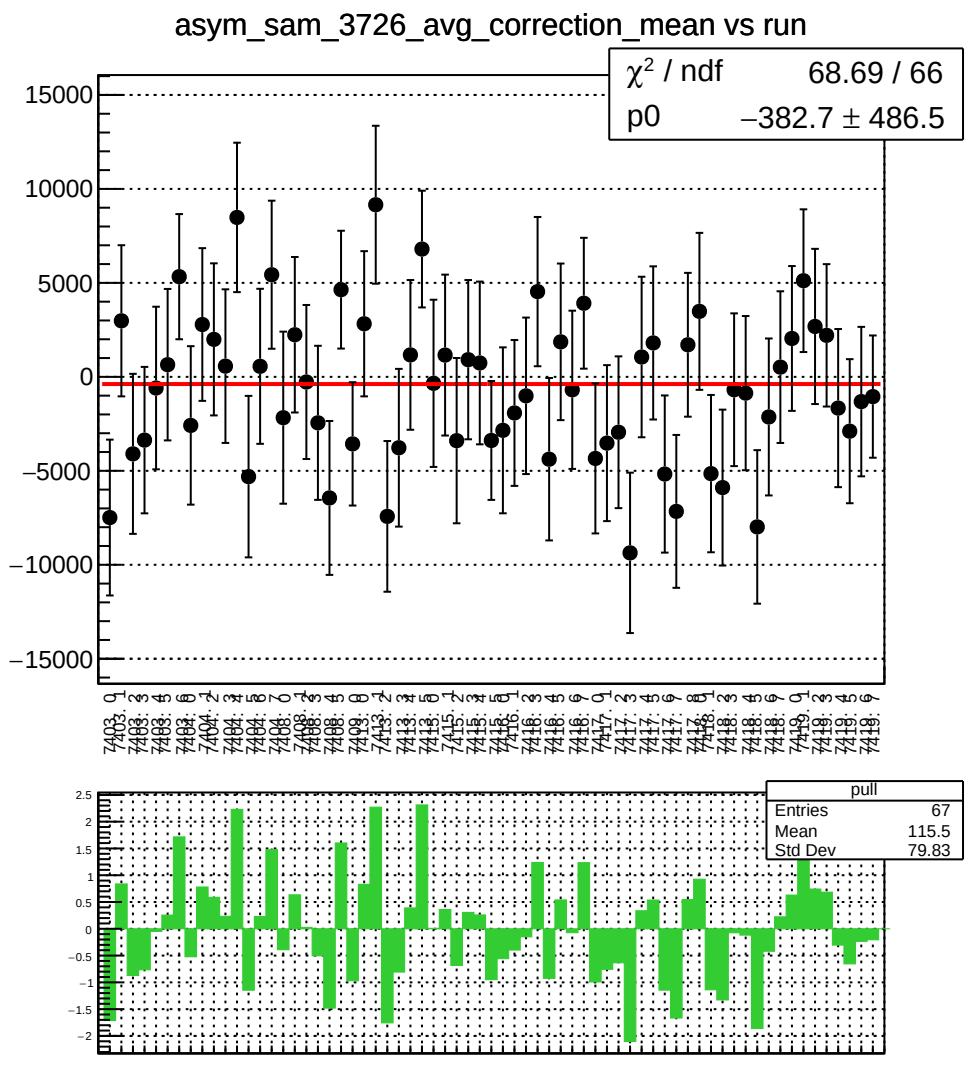

pull1D
Entries 67
Mean 0.02081
Std Dev 0.9612

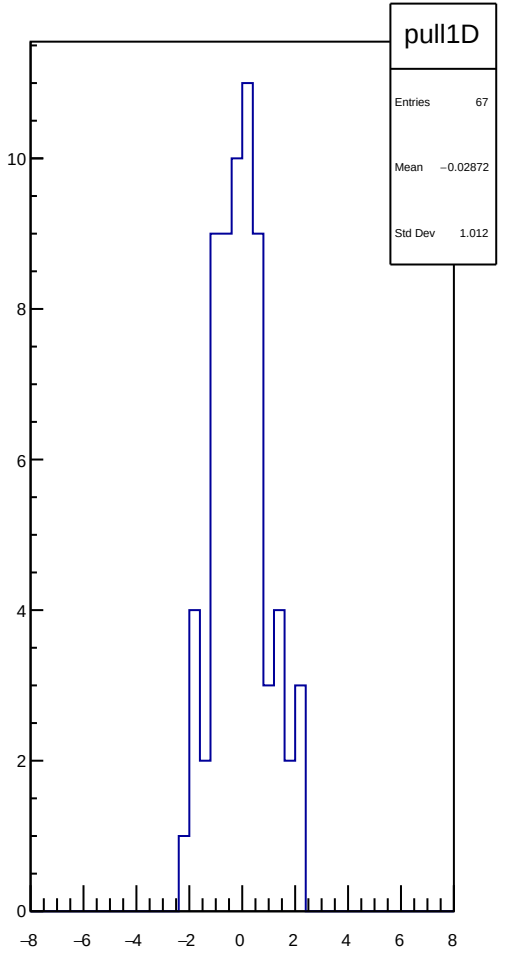

asym_sam_1526_avg_rms vs run
χ² / ndf 9872 / 66
p0 242.1 ± 0.2129
280
260
240
220
200

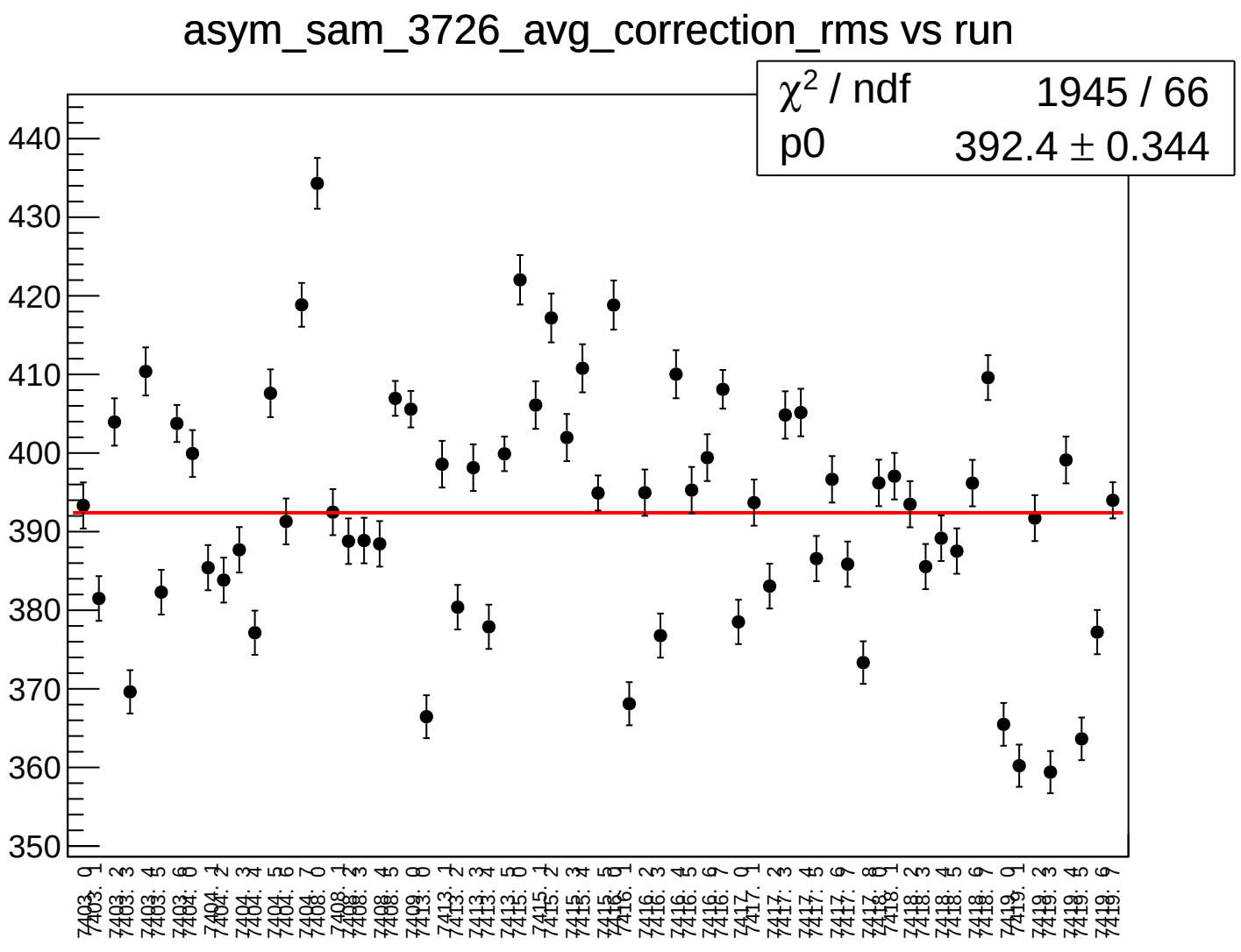

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 55.78 / 66
p0 113 ± 110.8
pull
Entries 67
Mean 33.89
Std Dev 40.8

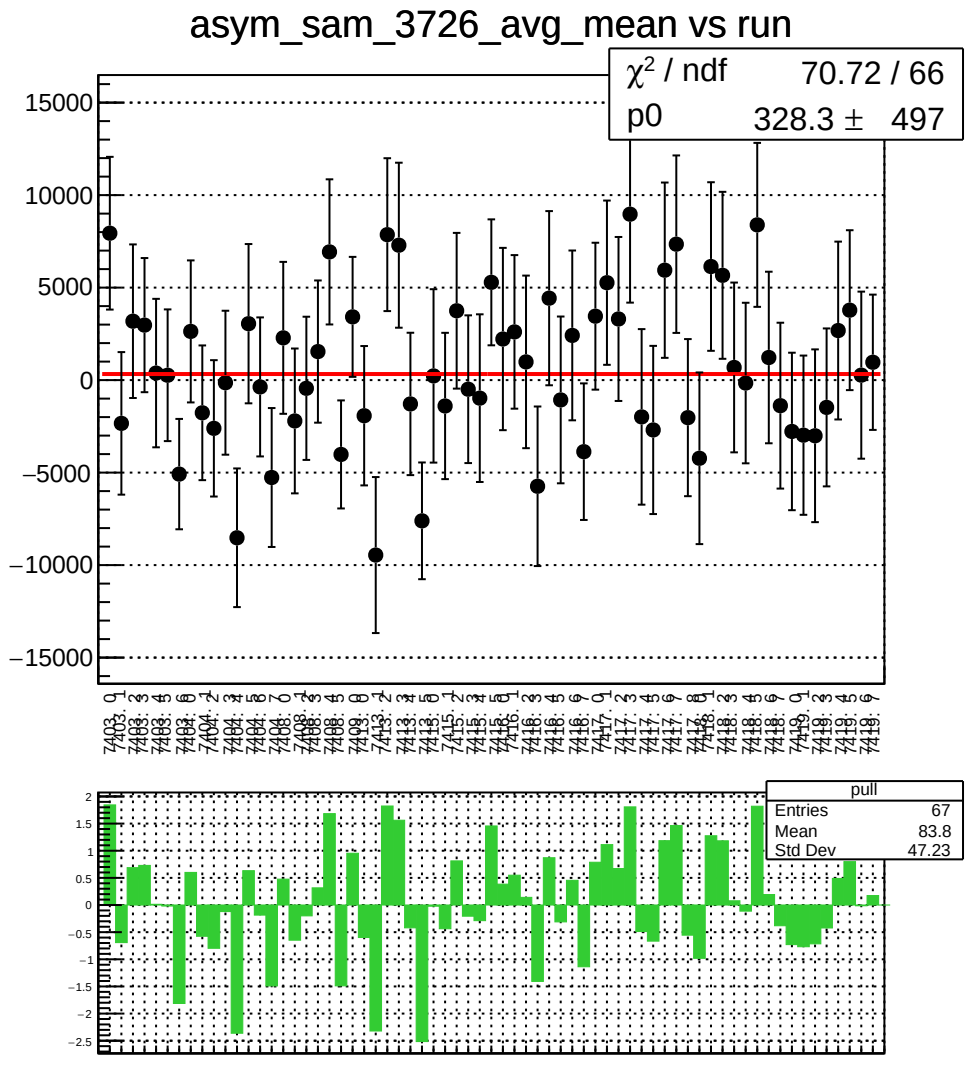

pull1D
Entries 67
Mean −0.01285
Std Dev 0.9123

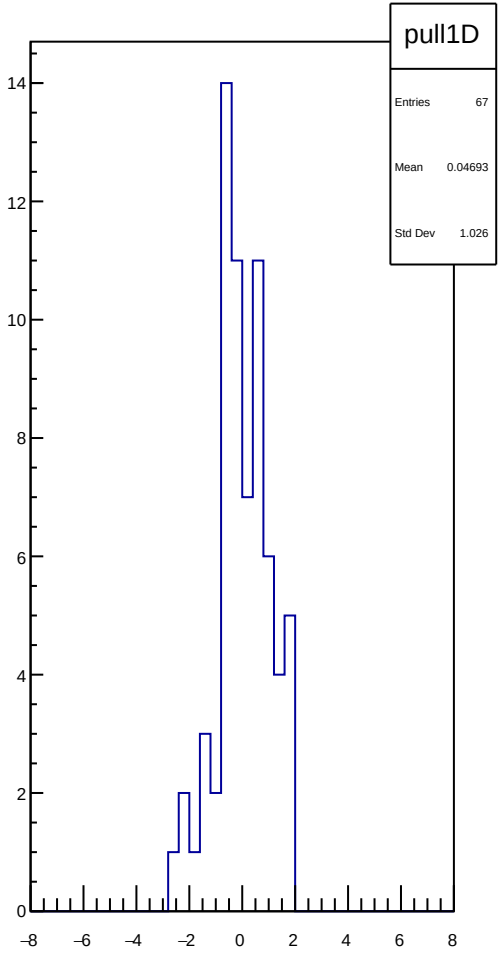

dit_asym_sam_3726_avg_rms vs run
$\chi^2$ / ndf 3.783e+04 / 66
p0 88.11 ± 0.07833
120
110
100
90
80
70
60

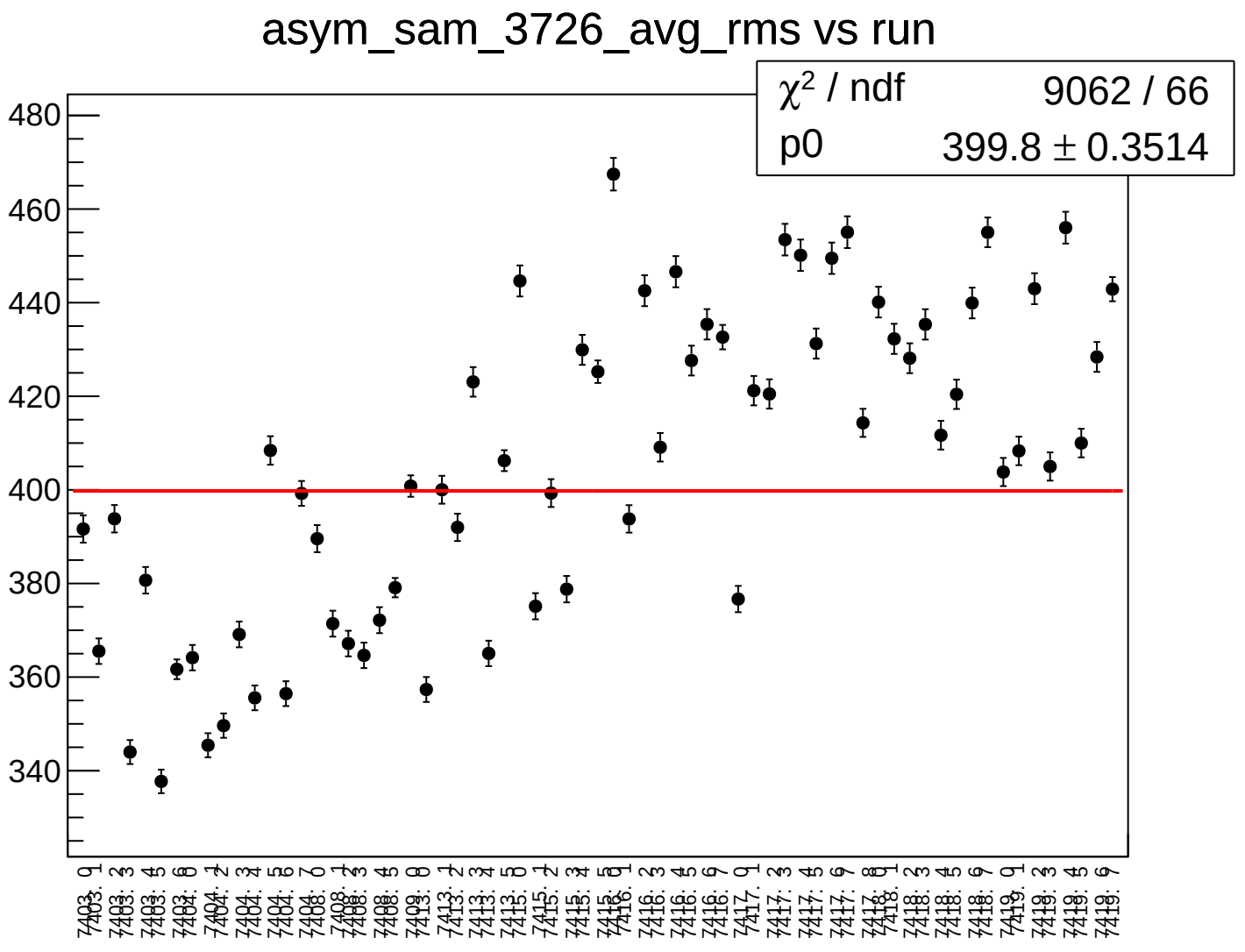

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 68.69 / 66
p0 −382.7 ± 486.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 115.5
Std Dev 79.83
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

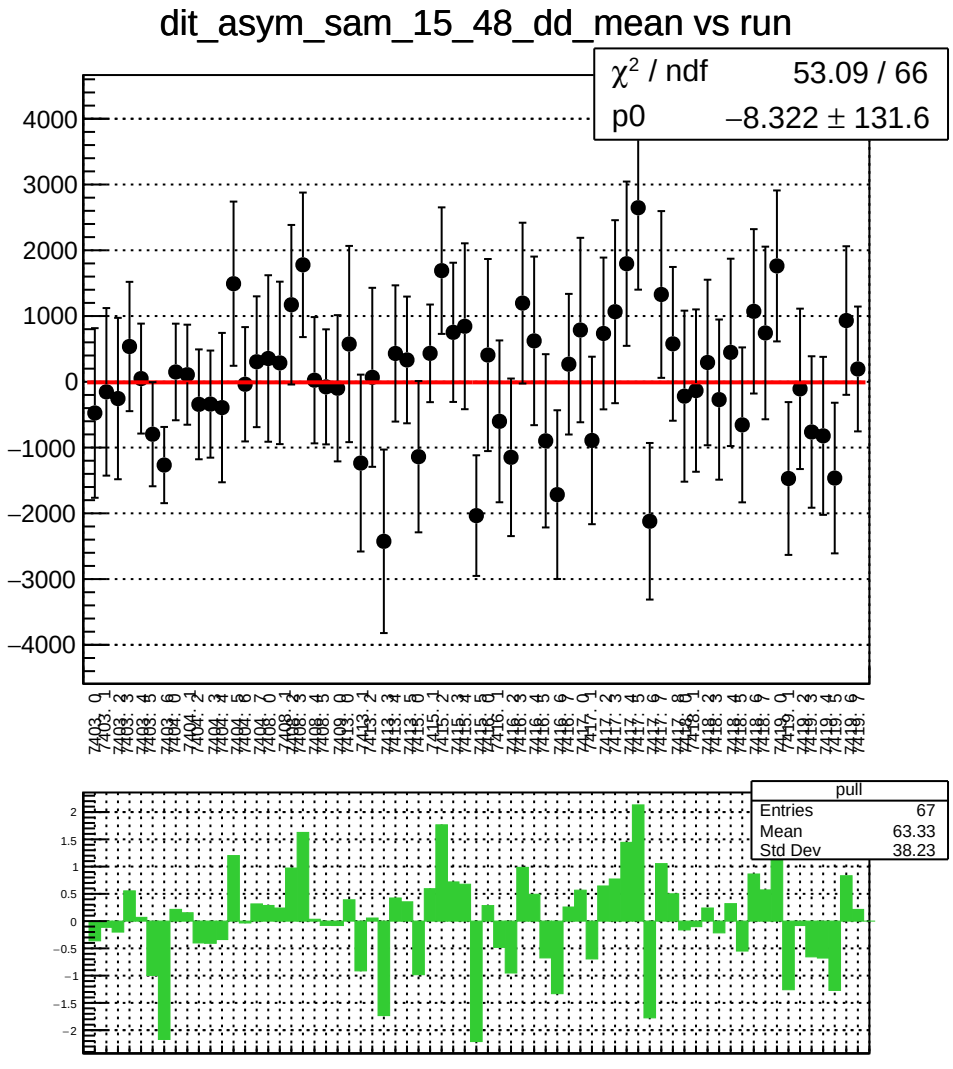

pull1D
Entries 67
Mean −0.02872
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

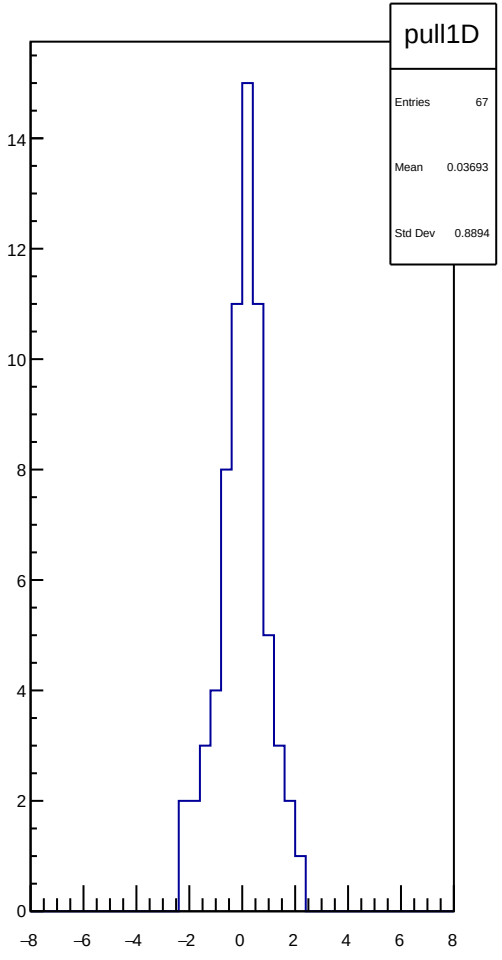

asym_sam_3726_avg_correction_rms vs run
$\chi^2$ / ndf 1945 / 66
p0 392.4 ± 0.344
440
430
420
410
400
390
380
370
360
350

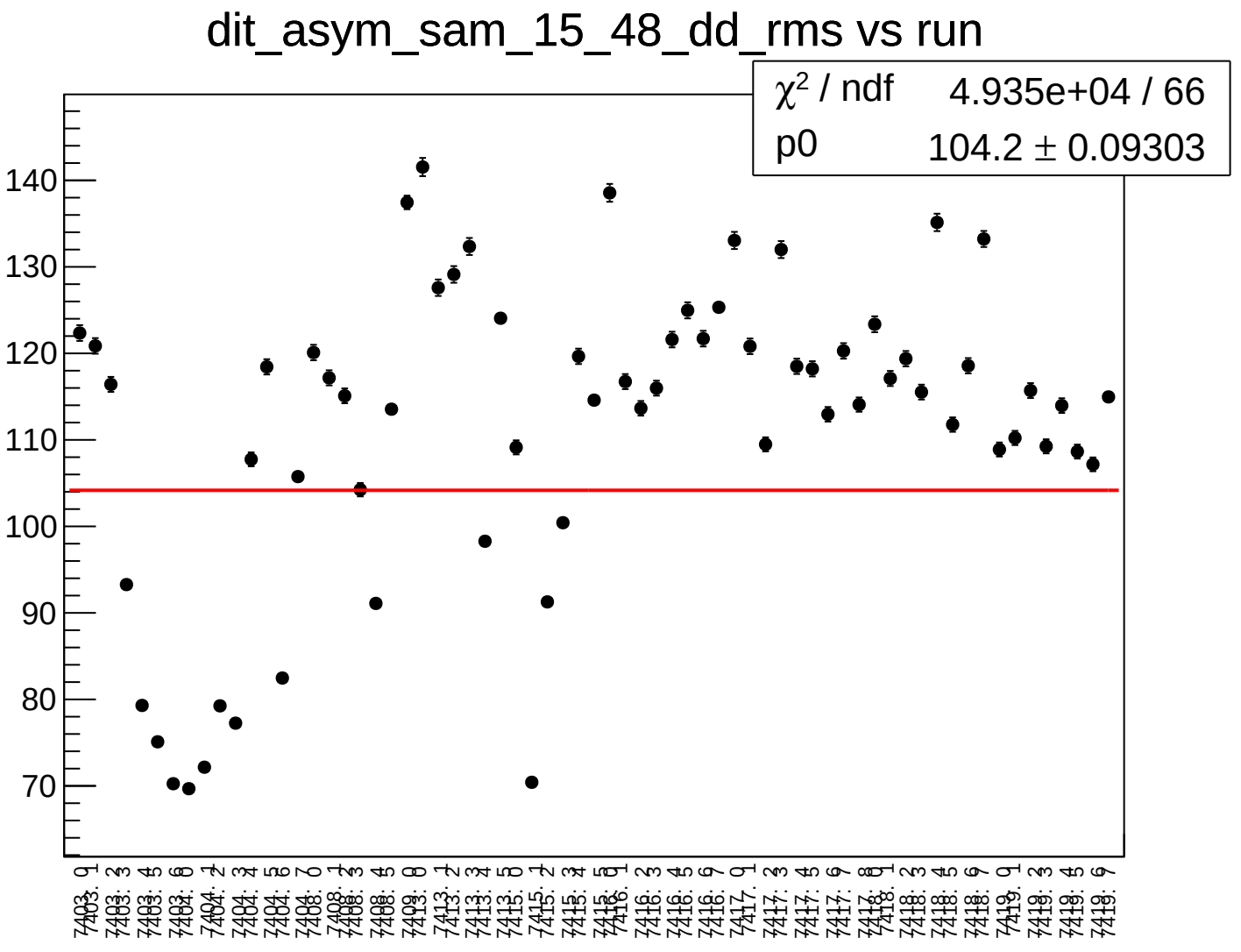

asym_sam_3726_avg_mean vs run
χ² / ndf 70.72 / 66
p0 328.3 ± 497
pull
Entries 67
Mean 83.8
Std Dev 47.23

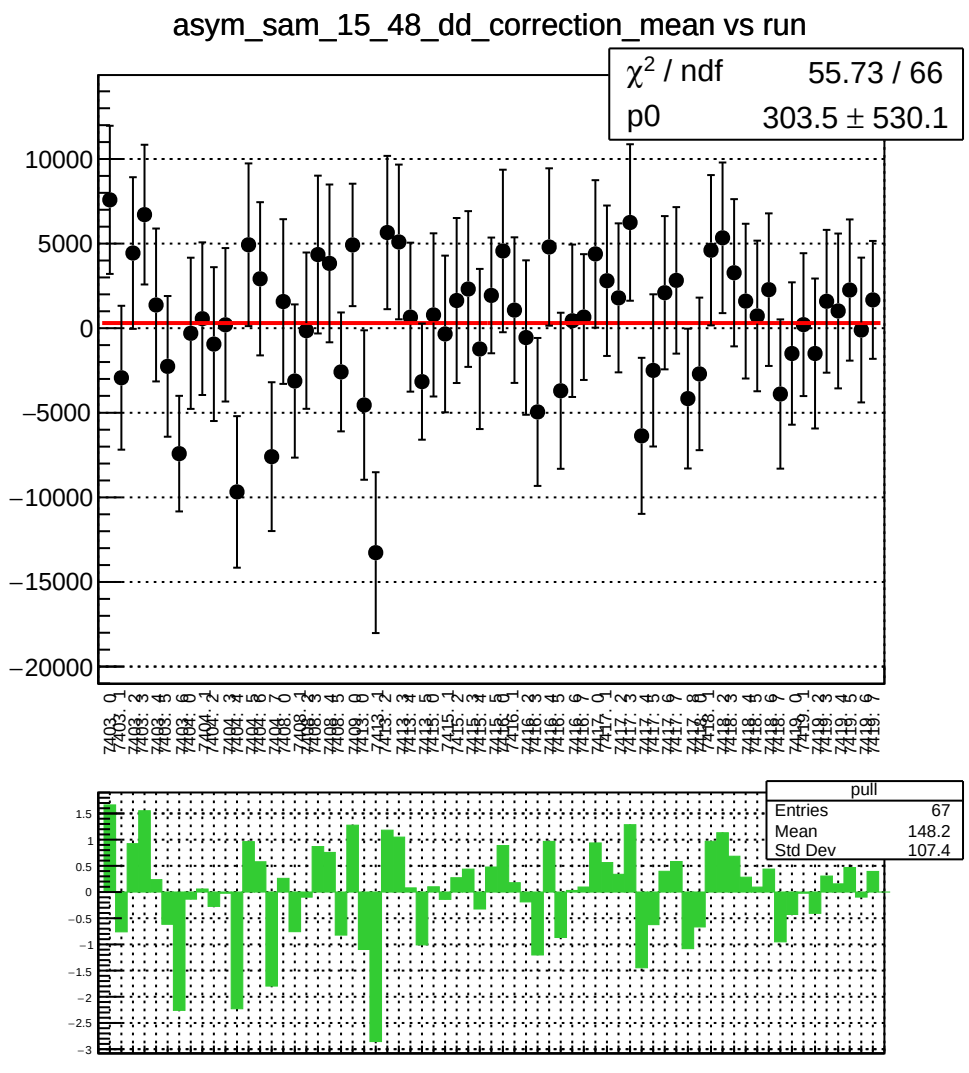

pull1D
Entries 67
Mean 0.04693
Std Dev 1.026

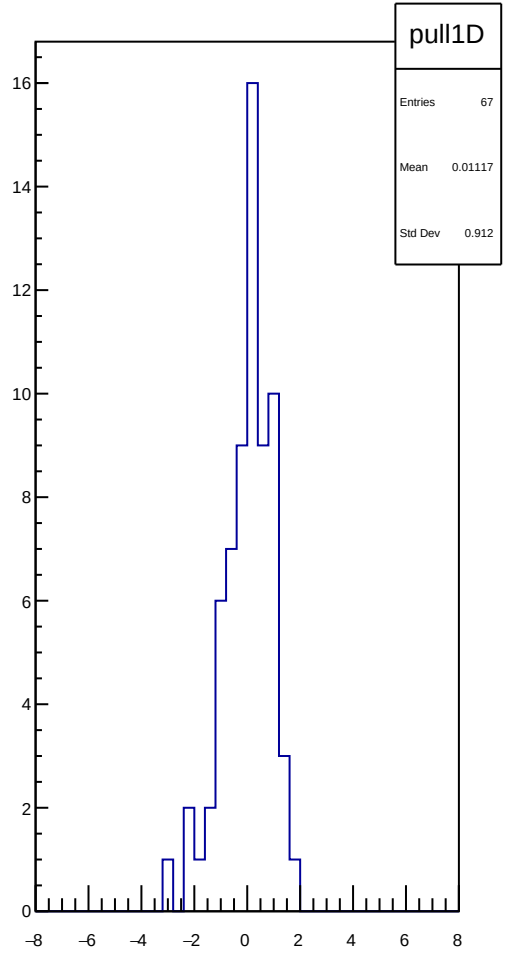

asym_sam_3726_avg_rms vs run
χ² / ndf 9062 / 66
p0 399.8 ± 0.3514
480
460
440
420
400
380
360
340

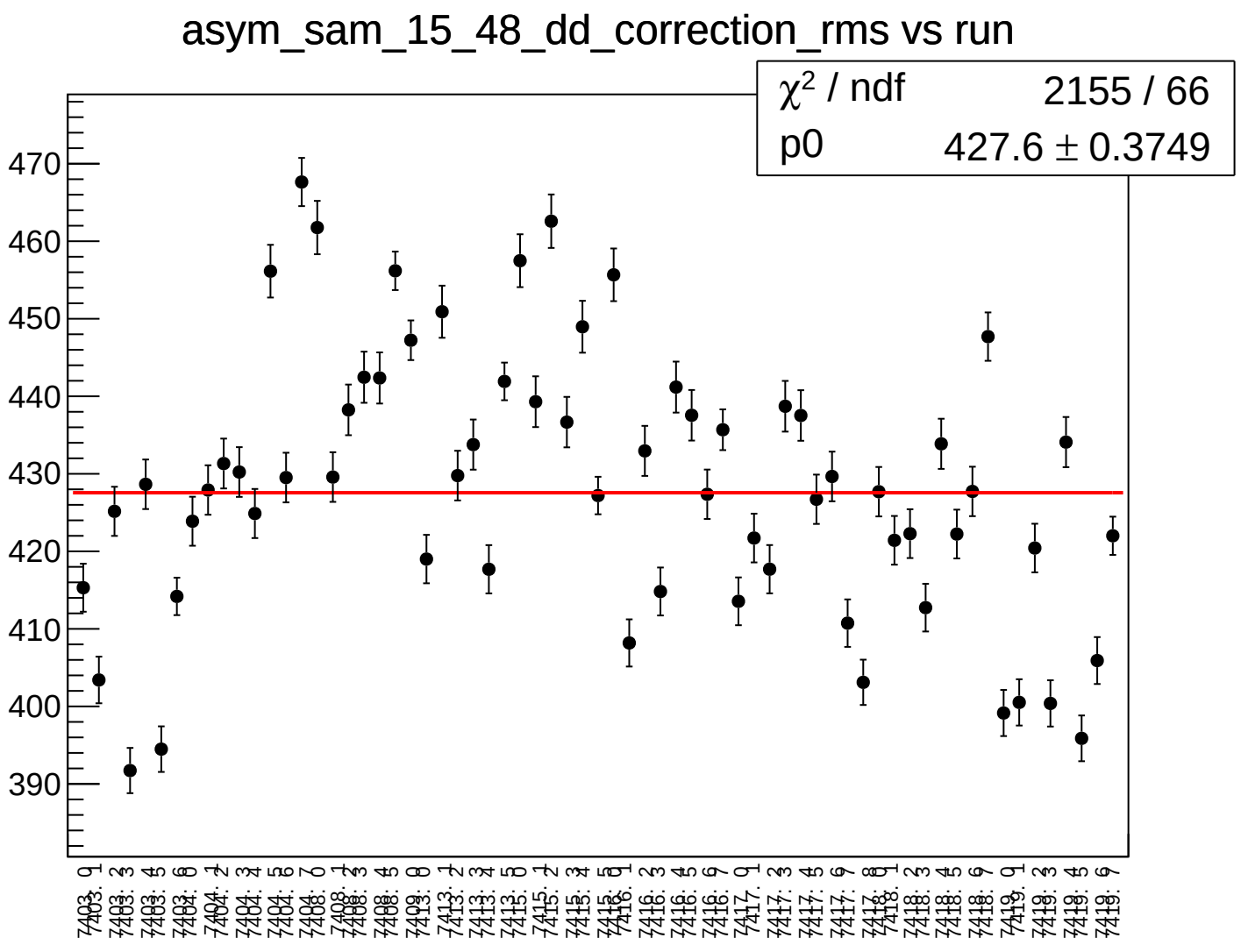

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.09 / 66
p0 −8.322 ± 131.6
pull
Entries 67
Mean 63.33
Std Dev 38.23

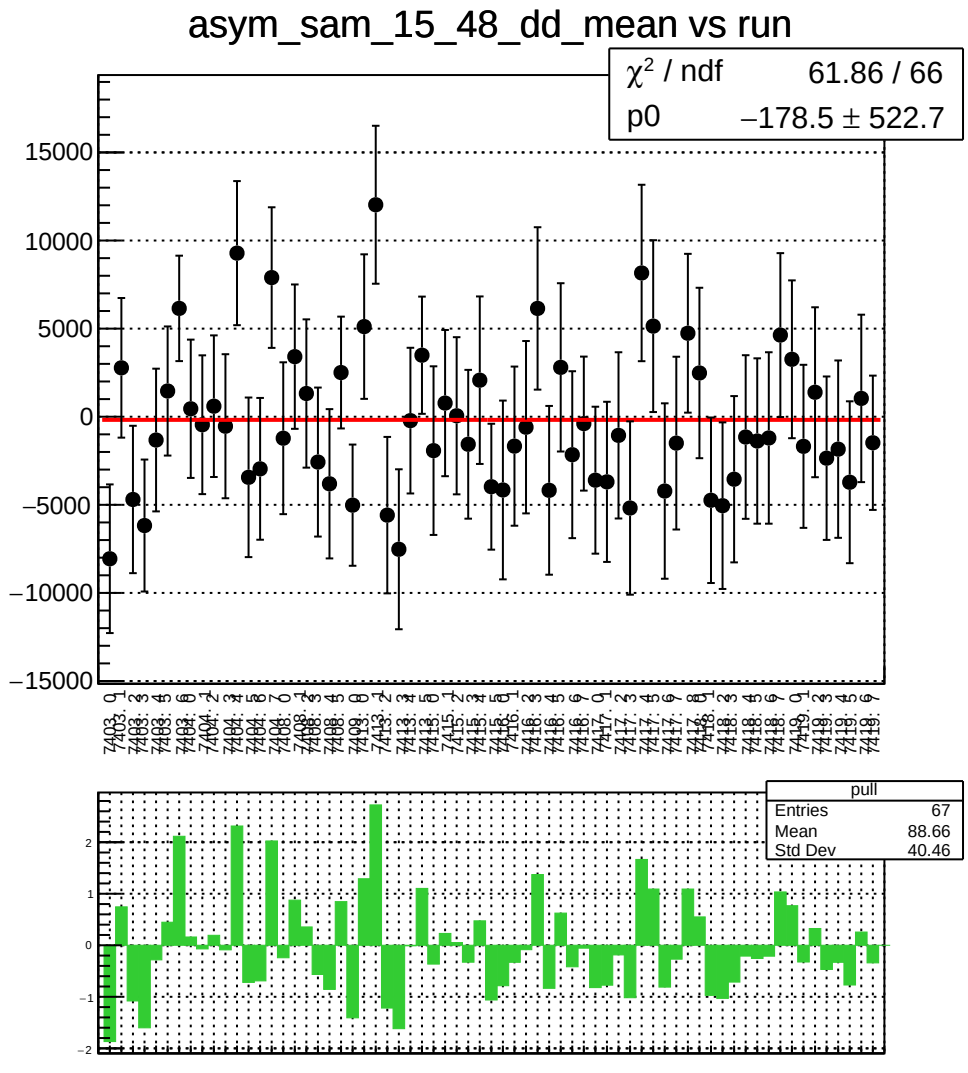

pull1D
Entries 67
Mean 0.03693
Std Dev 0.8894

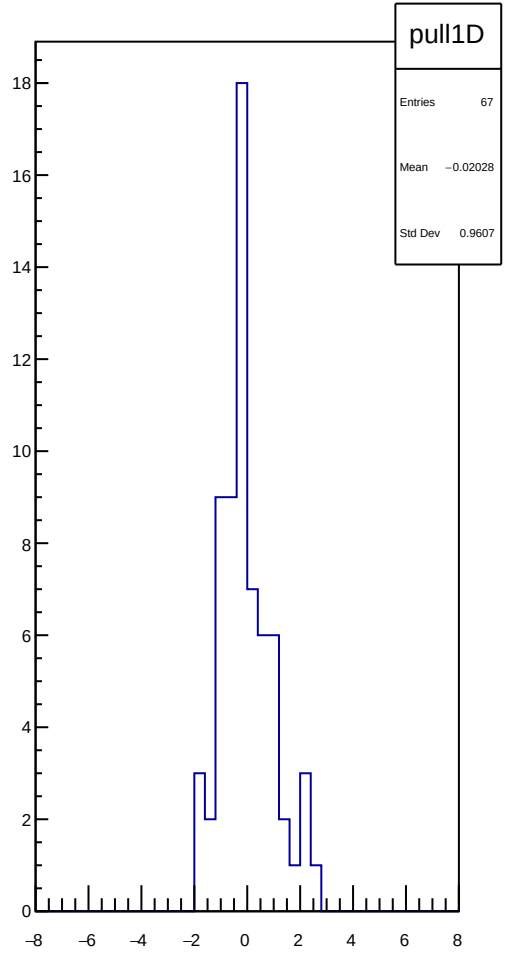

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.935e+04 / 66
p0 104.2 ± 0.09303
140
130
120
110
100
90
80
70

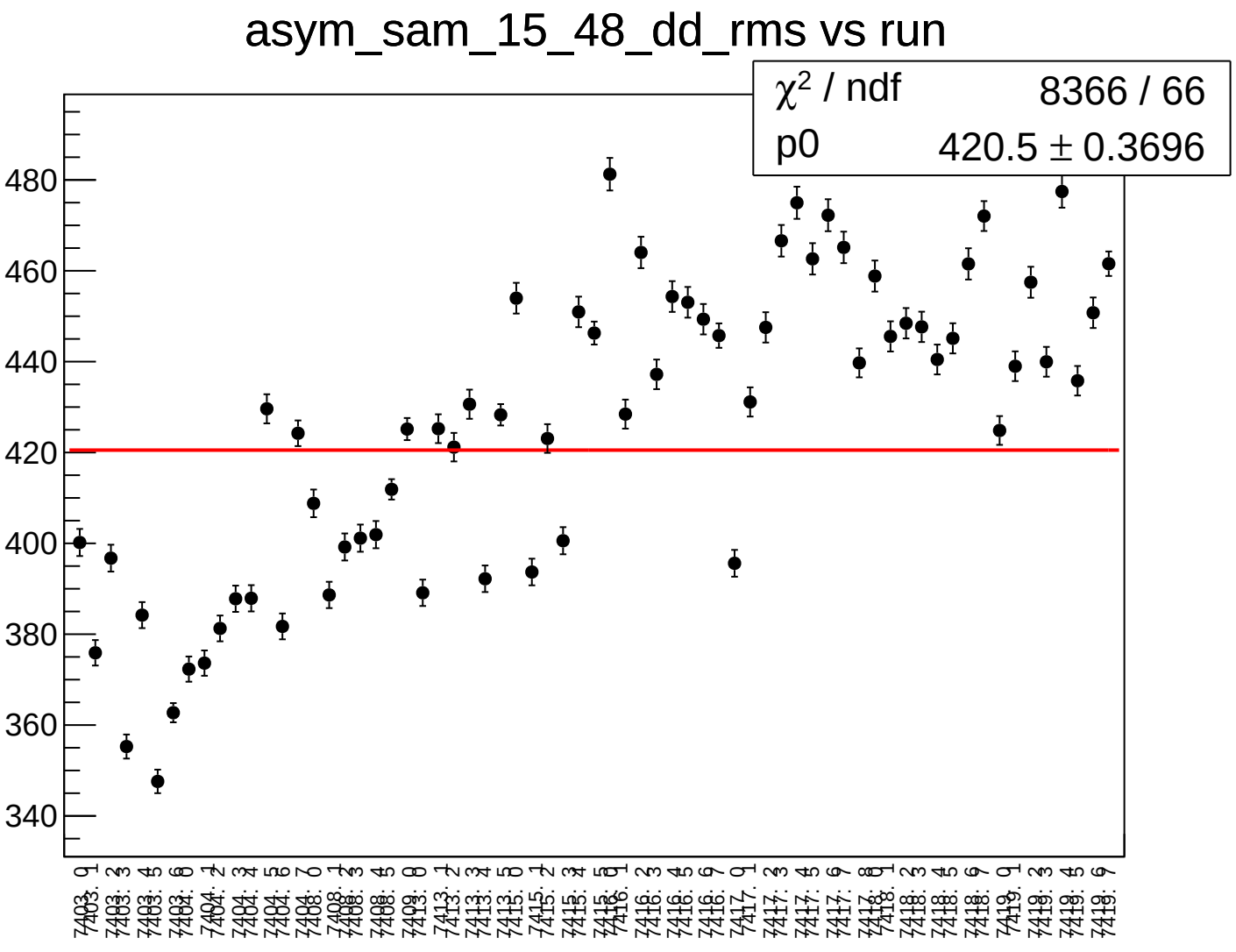

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 55.73 / 66
p0 303.5 ± 530.1
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 67
Mean 148.2
Std Dev 107.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

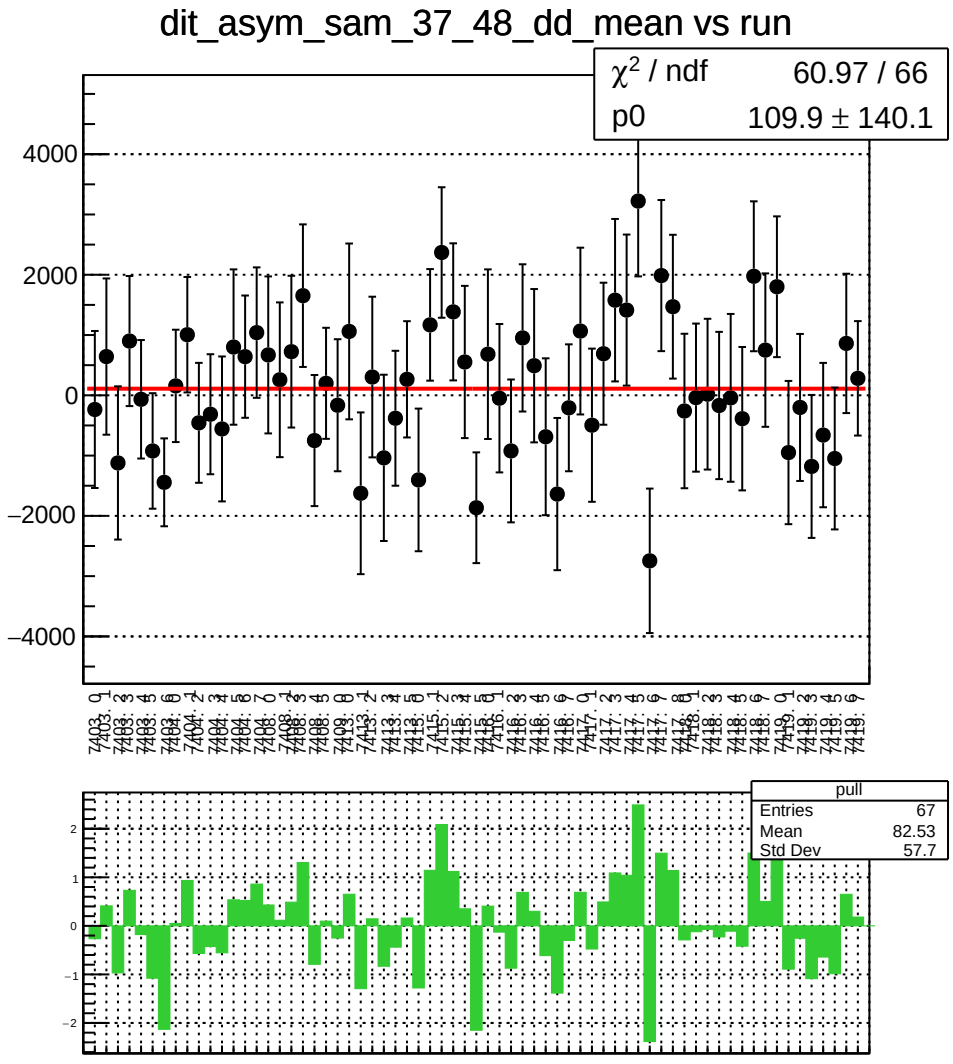

pull1D
Entries 67
Mean 0.01117
Std Dev 0.912
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

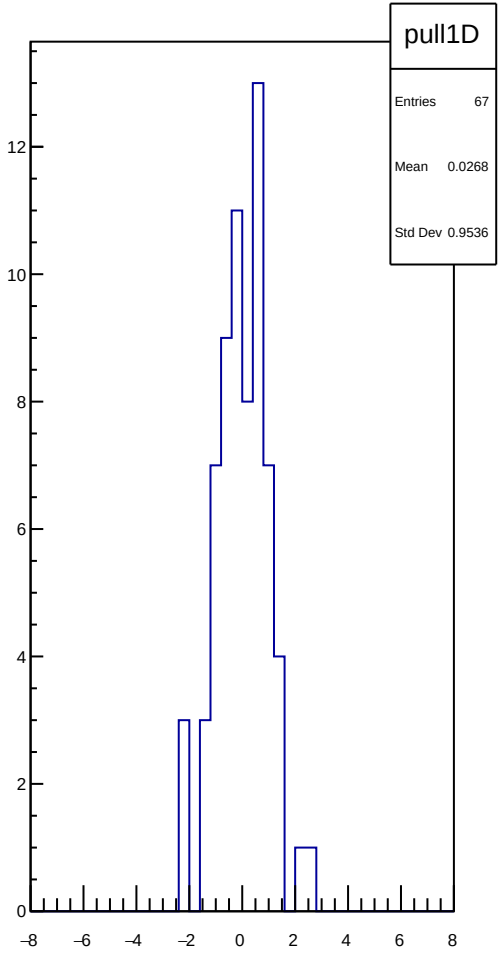

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2155 / 66
p0 427.6 ± 0.3749
470
460
450
440
430
420
410
400
390

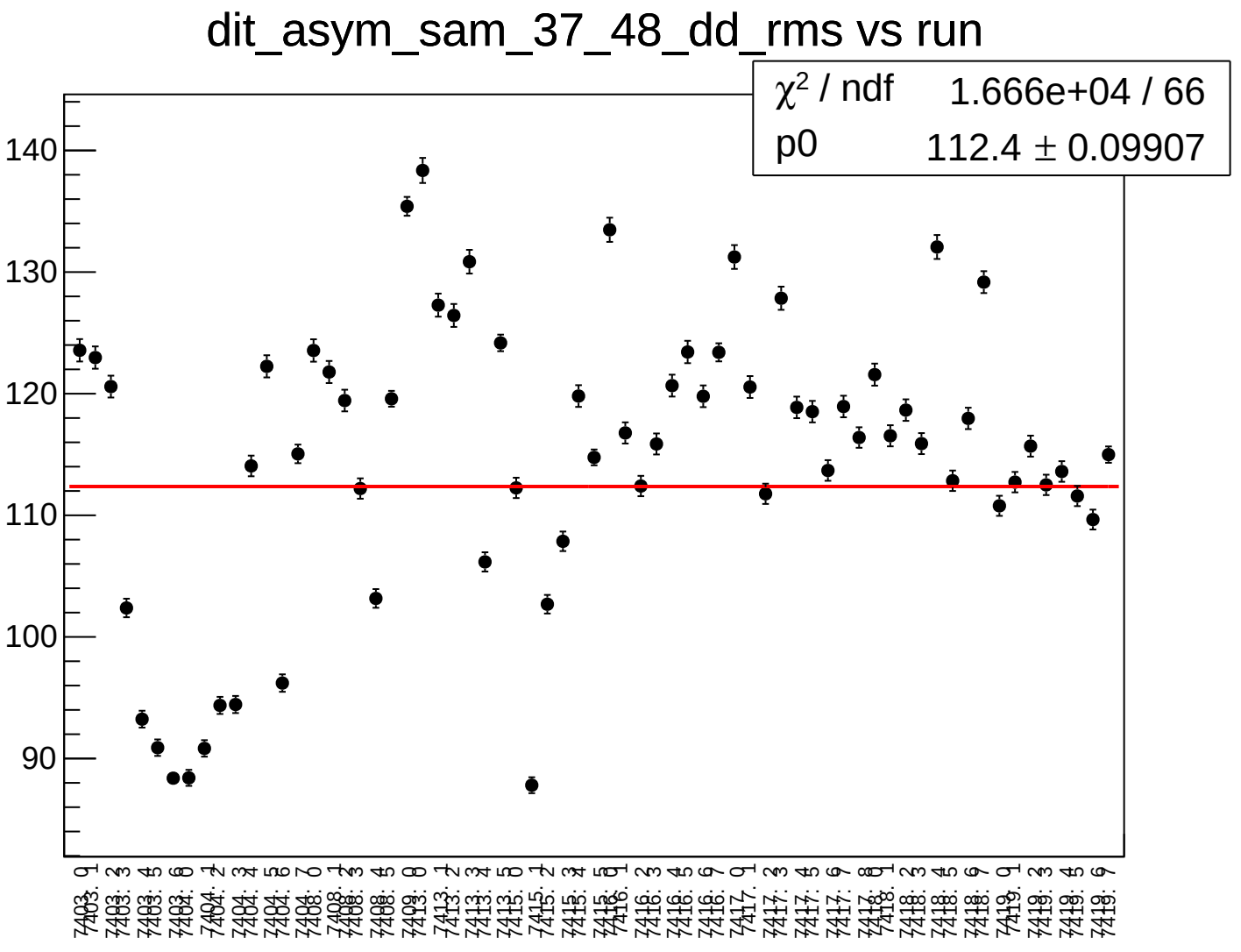

asym_sam_15_48_dd_mean vs run
χ² / ndf 61.86 / 66
p0 −178.5 ± 522.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 88.66
Std Dev 40.46
2
1
0
−1
−2

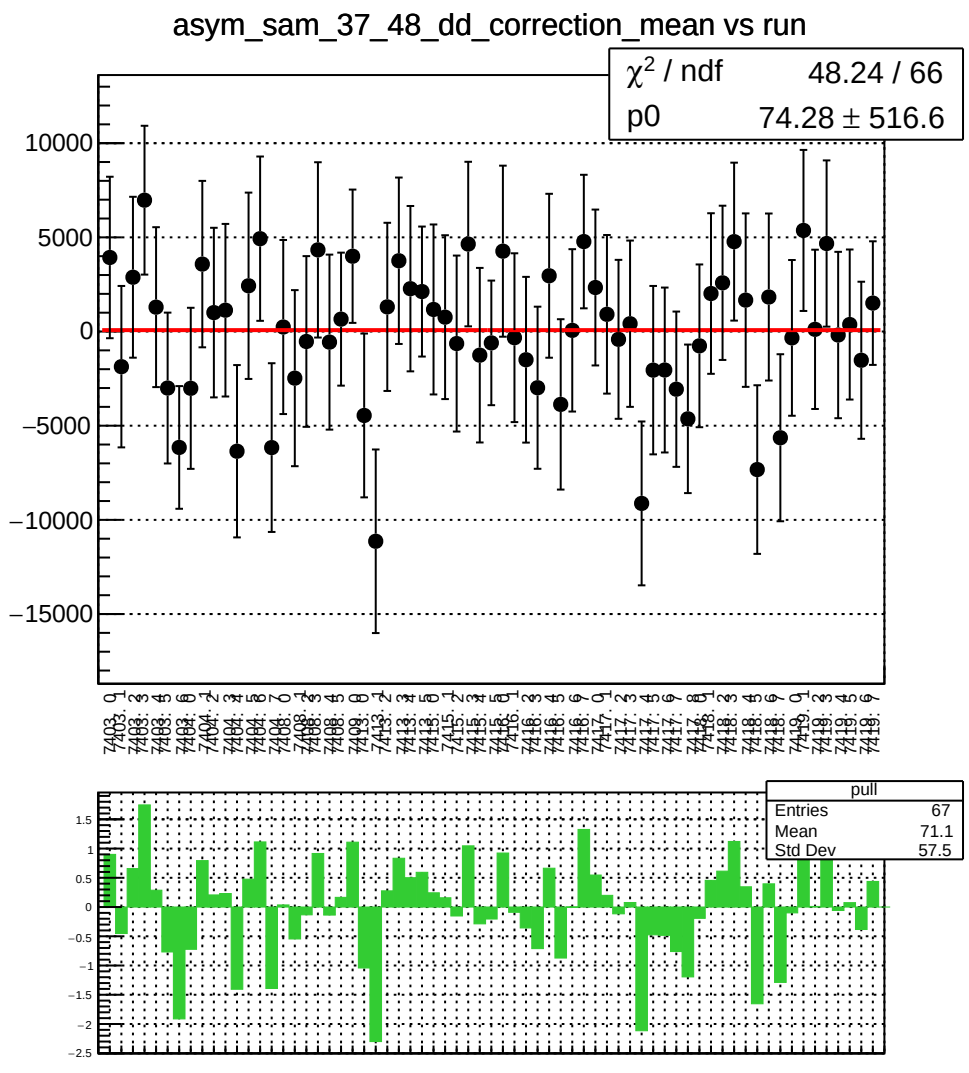

pull1D
Entries 67
Mean −0.02028
Std Dev 0.9607
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

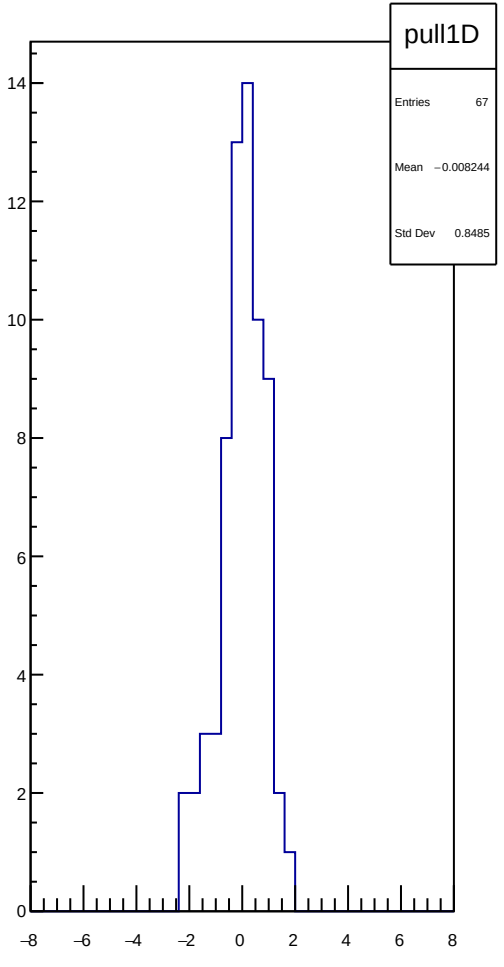

asym_sam_15_48_dd_rms vs run
χ² / ndf 8366 / 66
p0 420.5 ± 0.3696
480
460
440
420
400
380
360
340

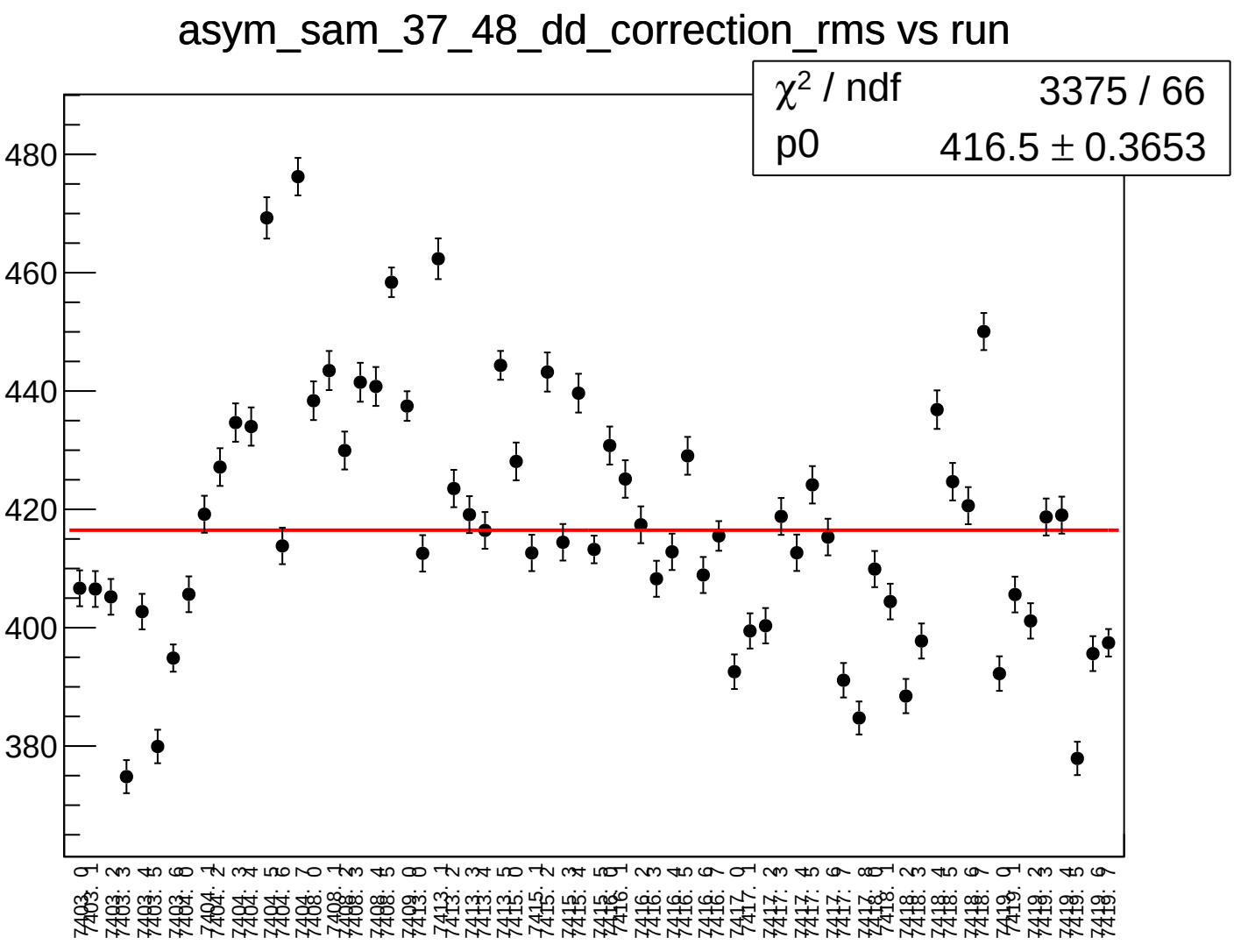

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 60.97 / 66
p0 109.9 ± 140.1
4000
2000
0
−2000
−4000
pull
Entries 67
Mean 82.53
Std Dev 57.7
2
1
0
−1
−2

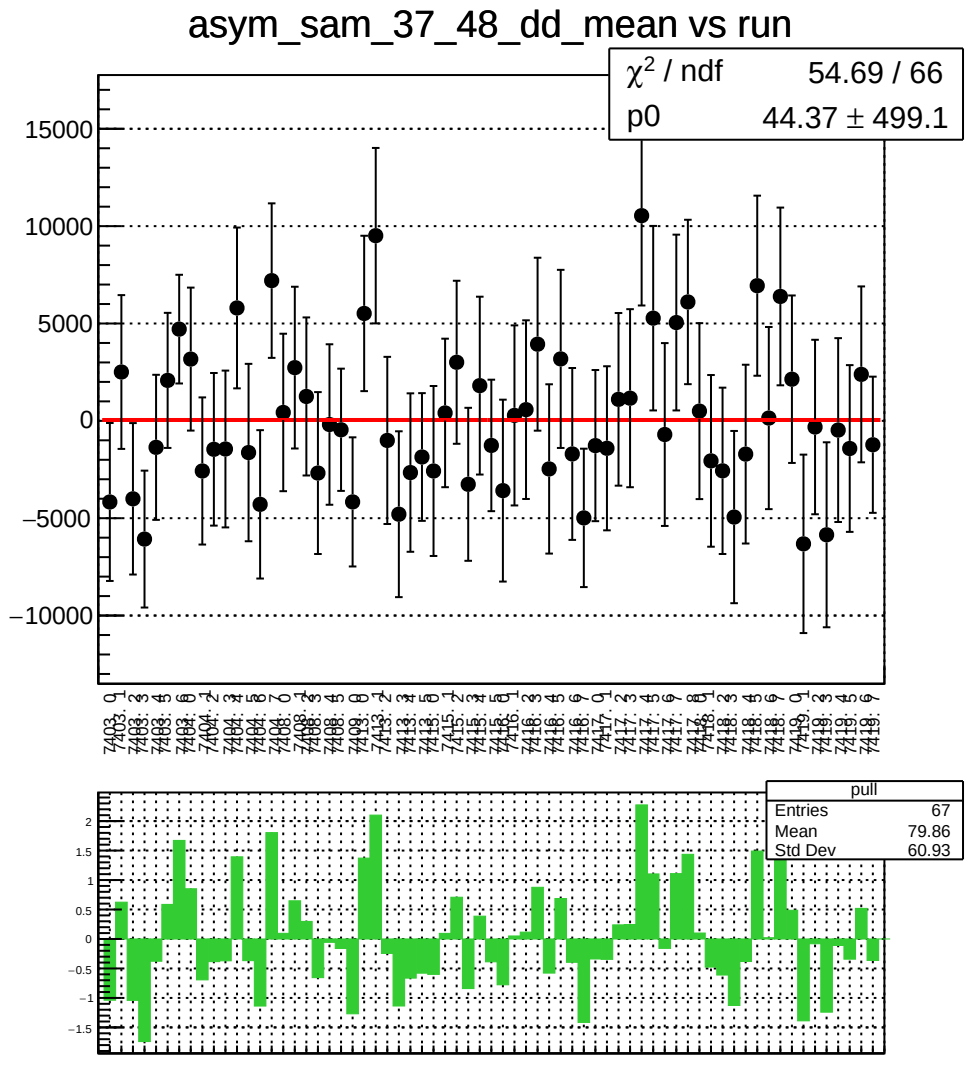

pull1D
Entries 67
Mean 0.0268
Std Dev 0.9536
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

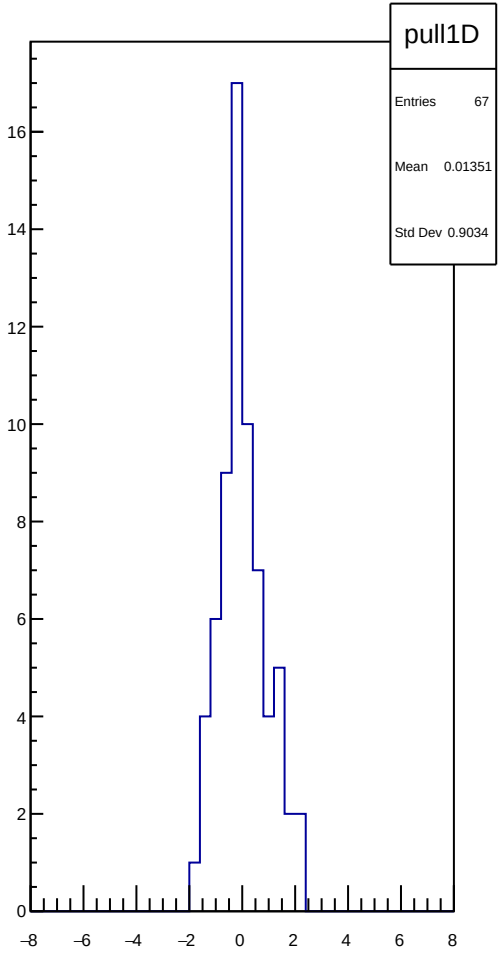

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.666e+04 / 66
p0 112.4 ± 0.09907
140
130
120
110
100
90

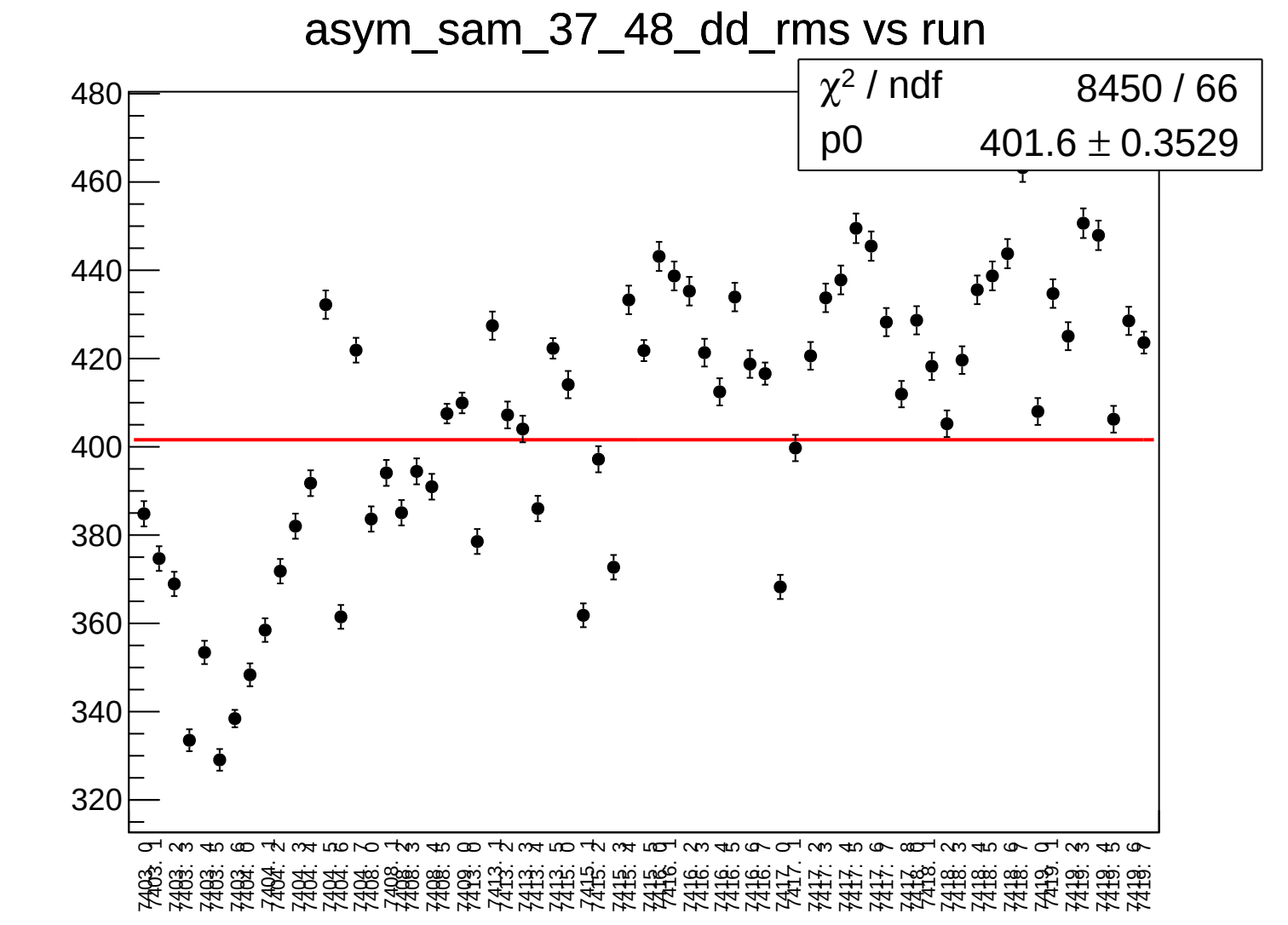

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 48.24 / 66
p0 74.28 ± 516.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 71.1
Std Dev 57.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

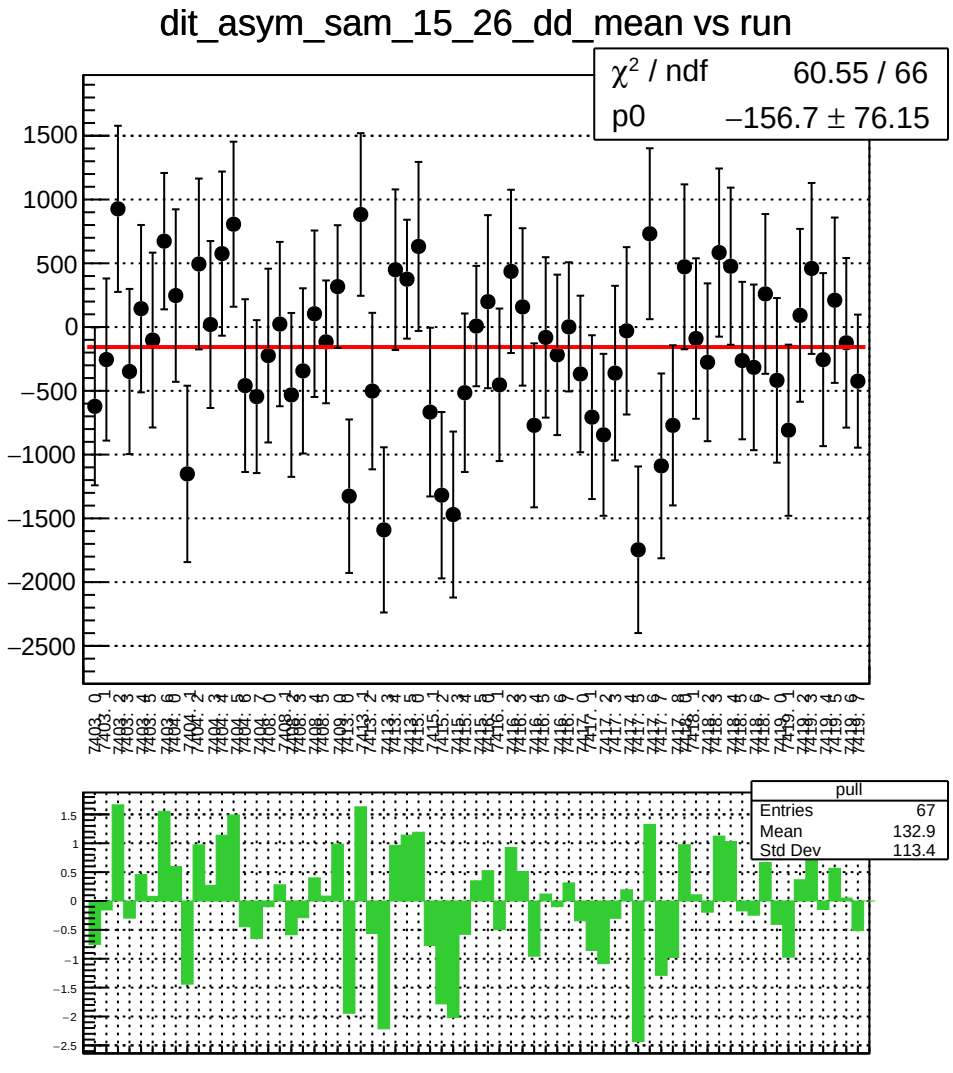

pull1D
Entries 67
Mean −0.008244
Std Dev 0.8485
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

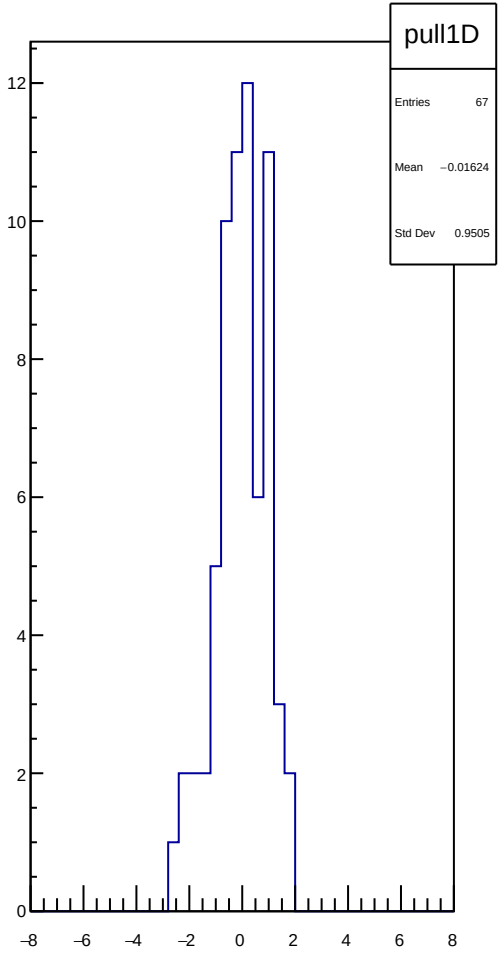

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3375 / 66
p0 416.5 ± 0.3653
480
460
440
420
400
380

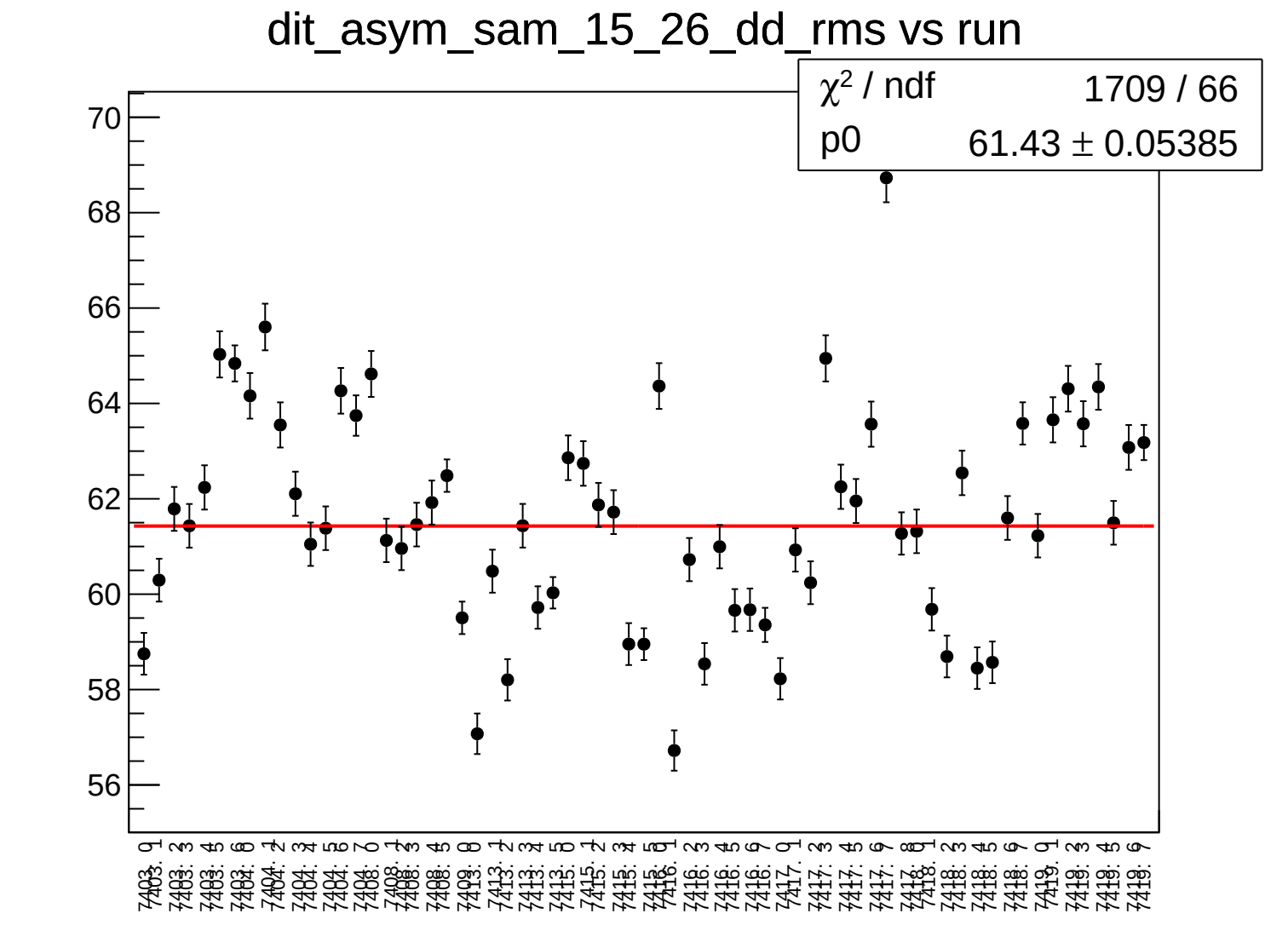

asym_sam_37_48_dd_mean vs run
χ² / ndf 54.69 / 66
p0 44.37 ± 499.1
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 79.86
Std Dev 60.93
2
1.5
1
0.5
0
−0.5
−1
−1.5

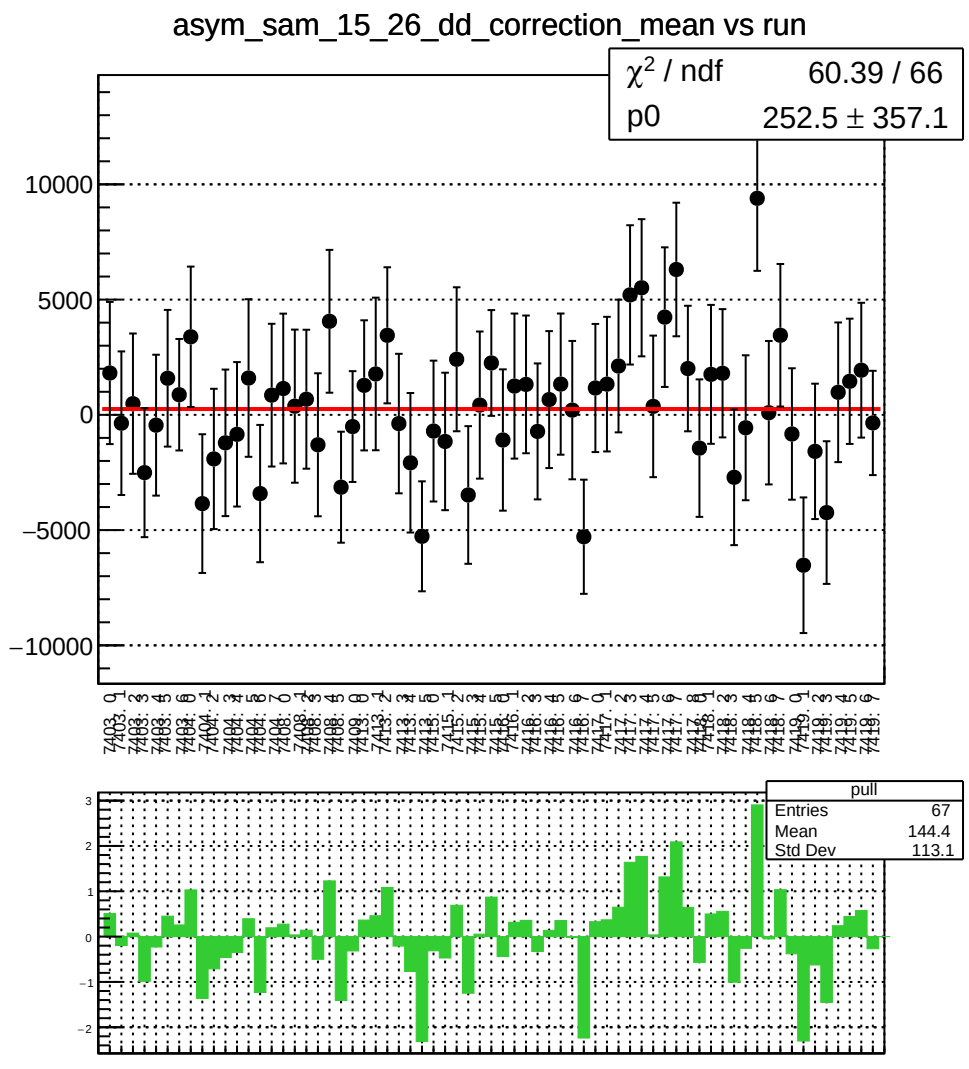

pull1D
Entries 67
Mean 0.01351
Std Dev 0.9034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

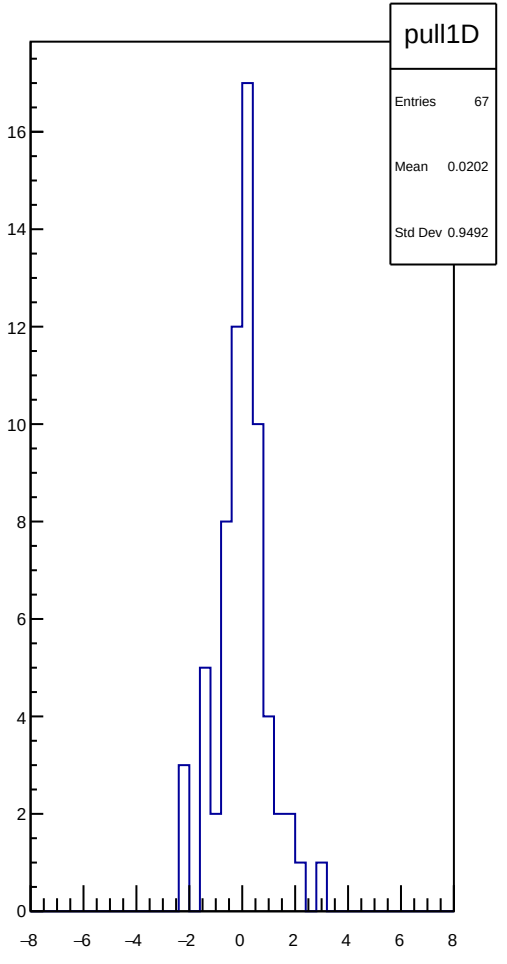

asym_sam_37_48_dd_rms vs run
χ² / ndf 8450 / 66
p0 401.6 ± 0.3529
480
460
440
420
400
380
360
340
320

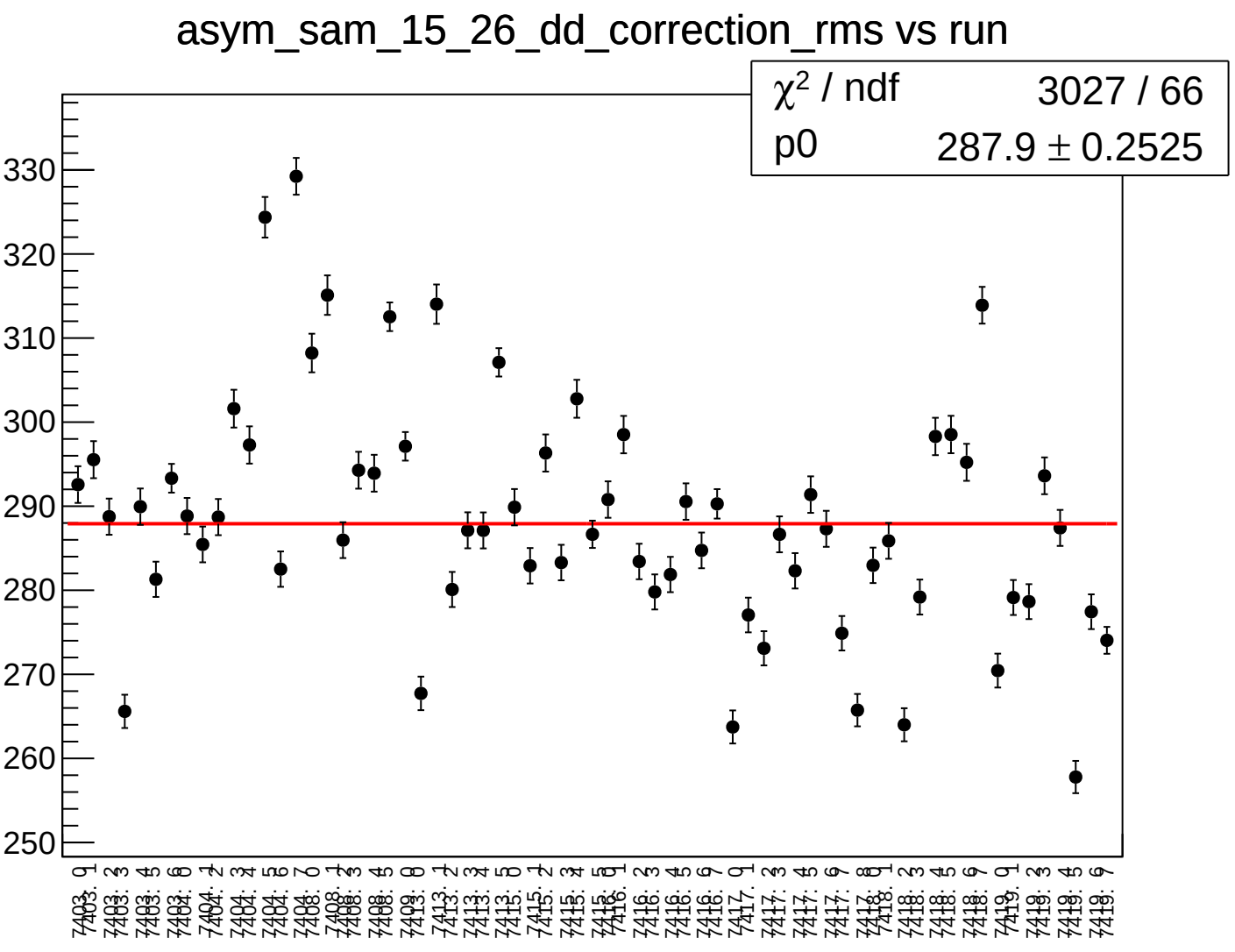

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.55 / 66
p0 −156.7 ± 76.15
pull
Entries 67
Mean 132.9
Std Dev 113.4

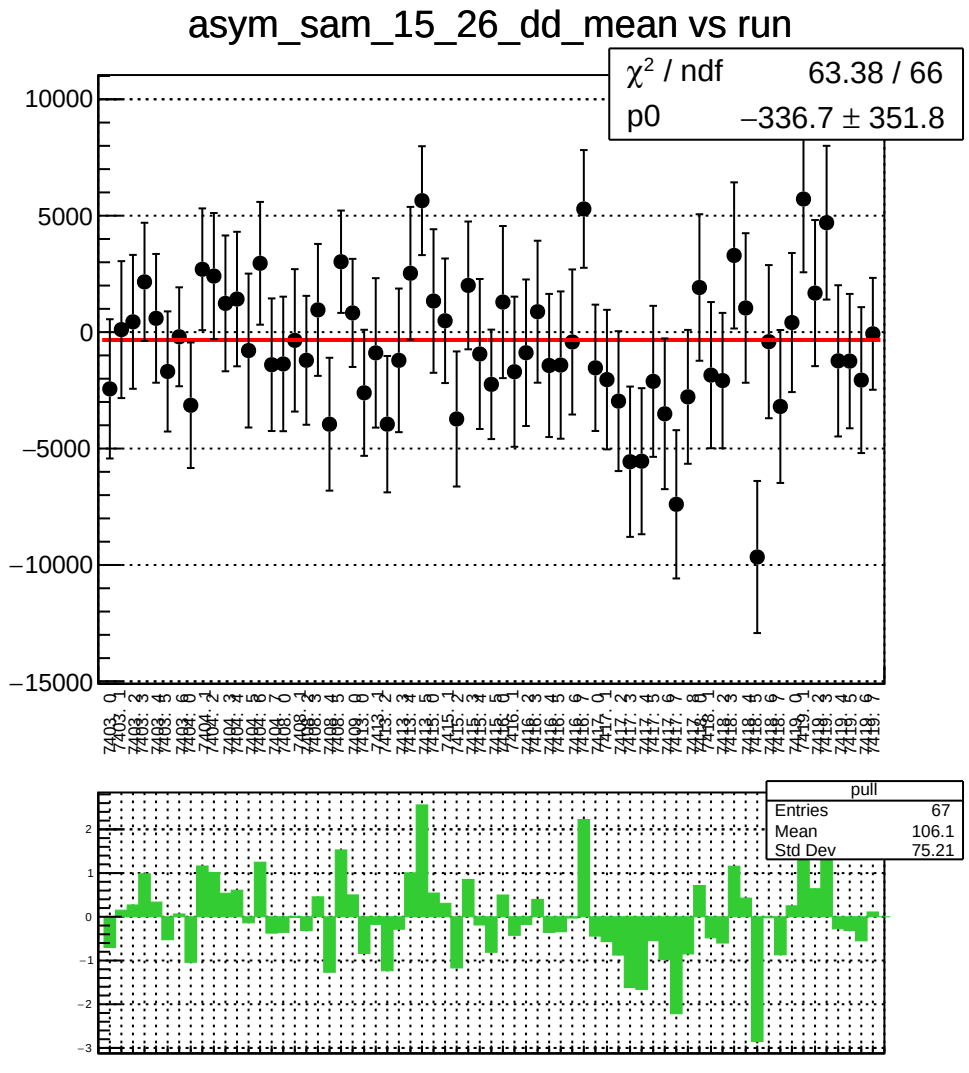

pull1D
Entries 67
Mean −0.01624
Std Dev 0.9505

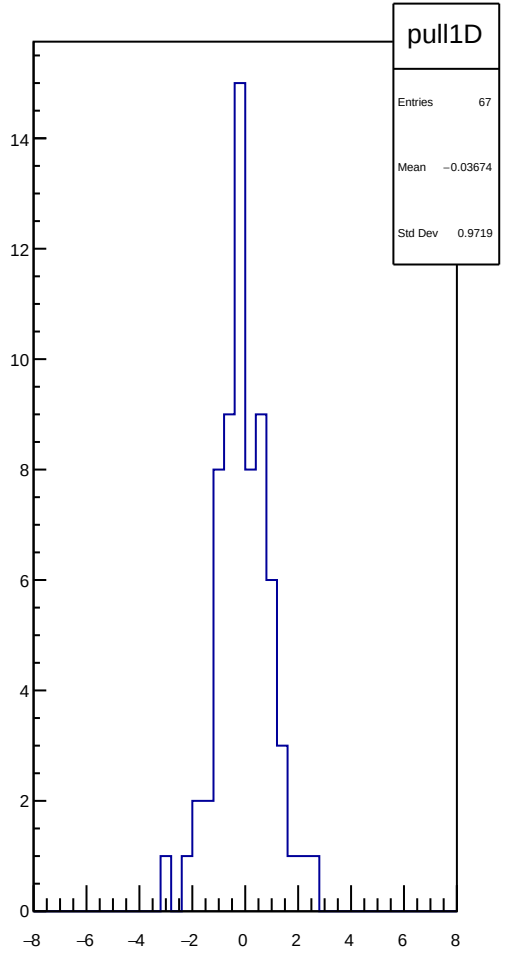

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1709 / 66
p0 61.43 ± 0.05385
70
68
66
64
62
60
58
56

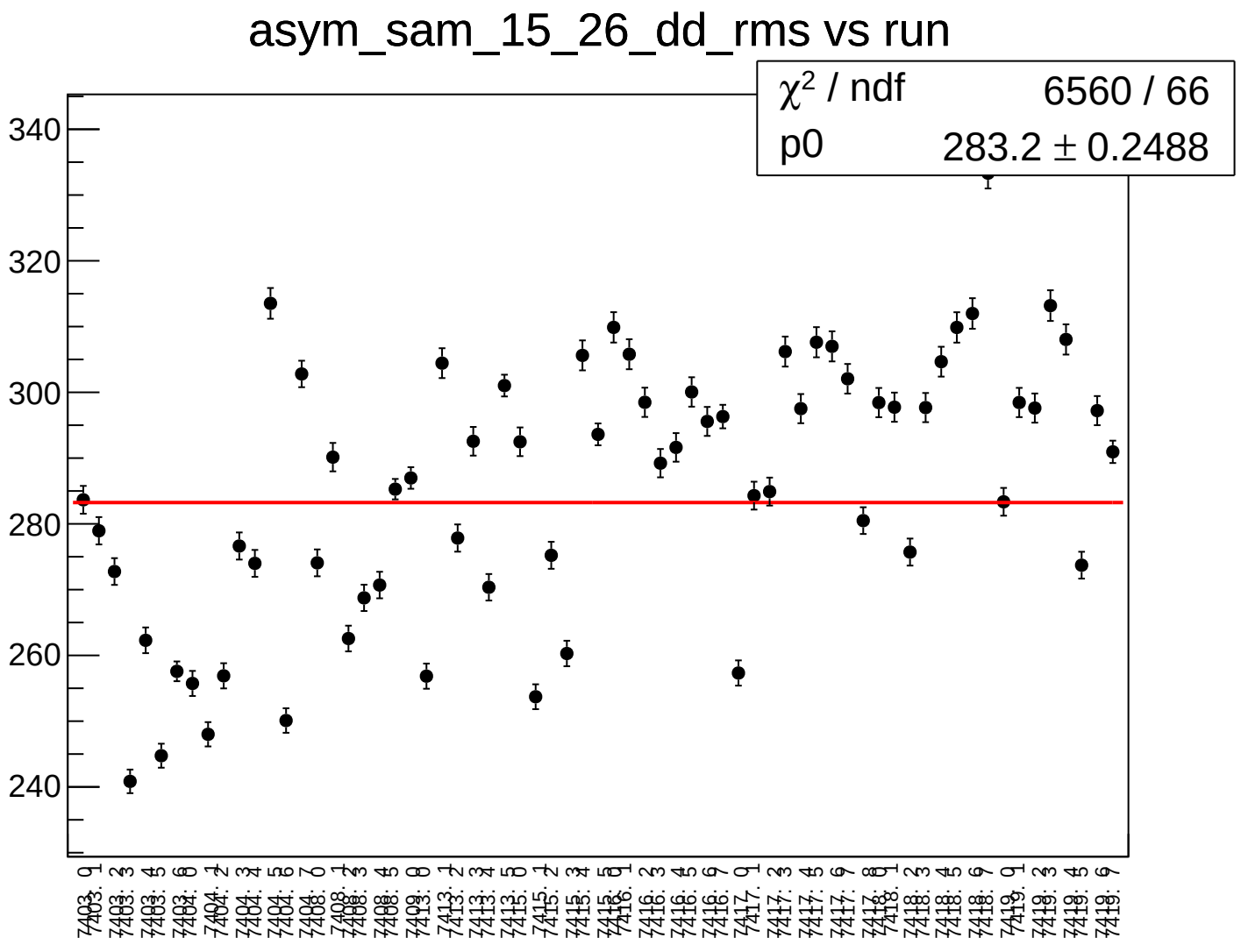

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 60.39 / 66
p0 252.5 ± 357.1
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 144.4
Std Dev 113.1
3
2
1
0
−1
−2

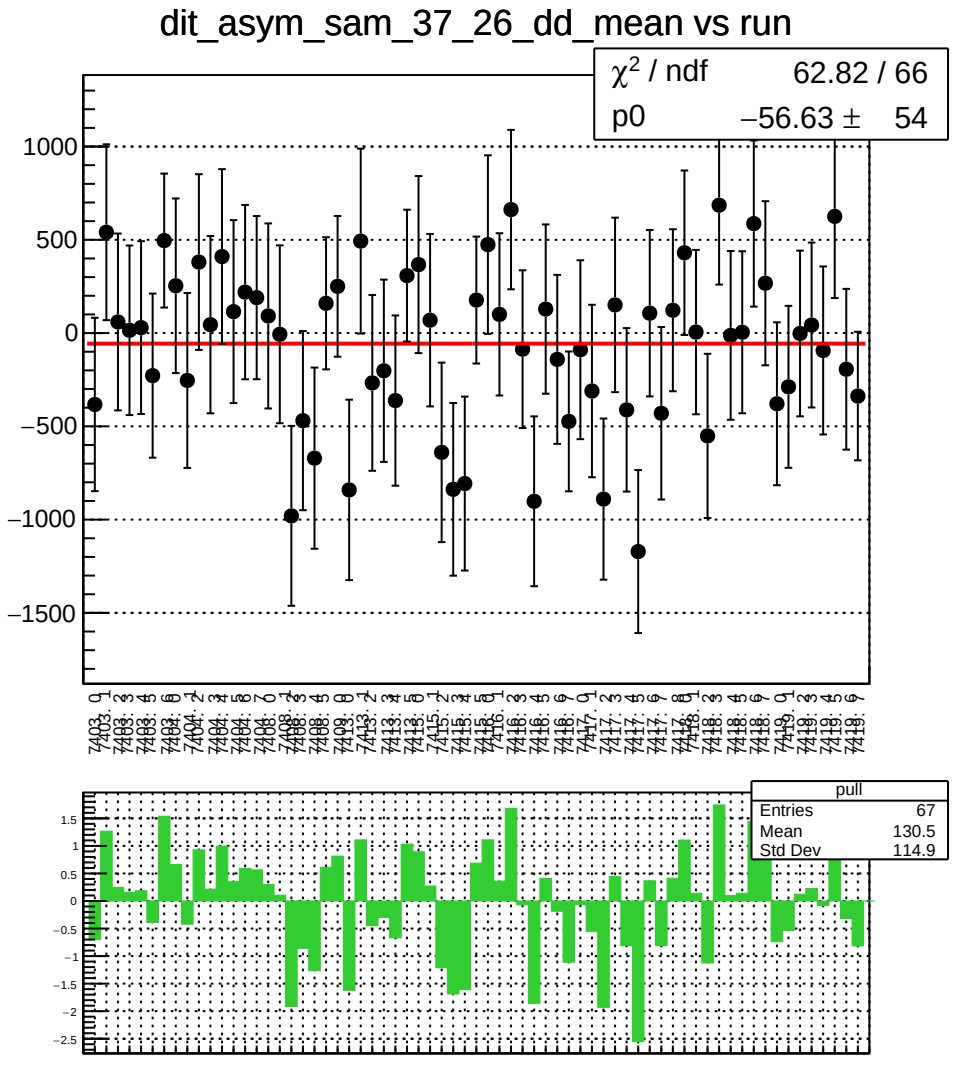

pull1D
Entries 67
Mean 0.0202
Std Dev 0.9492
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

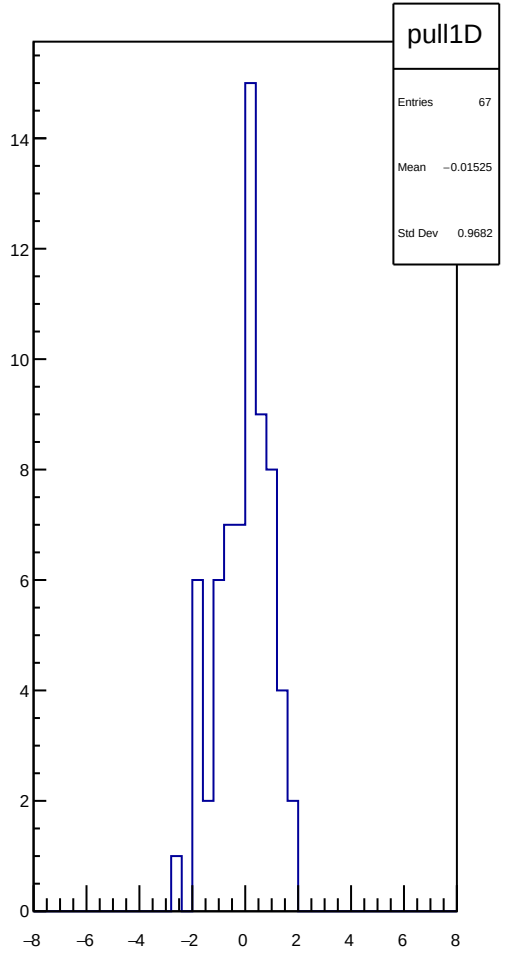

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3027 / 66
p0 287.9 ± 0.2525
330
320
310
300
290
280
270
260
250

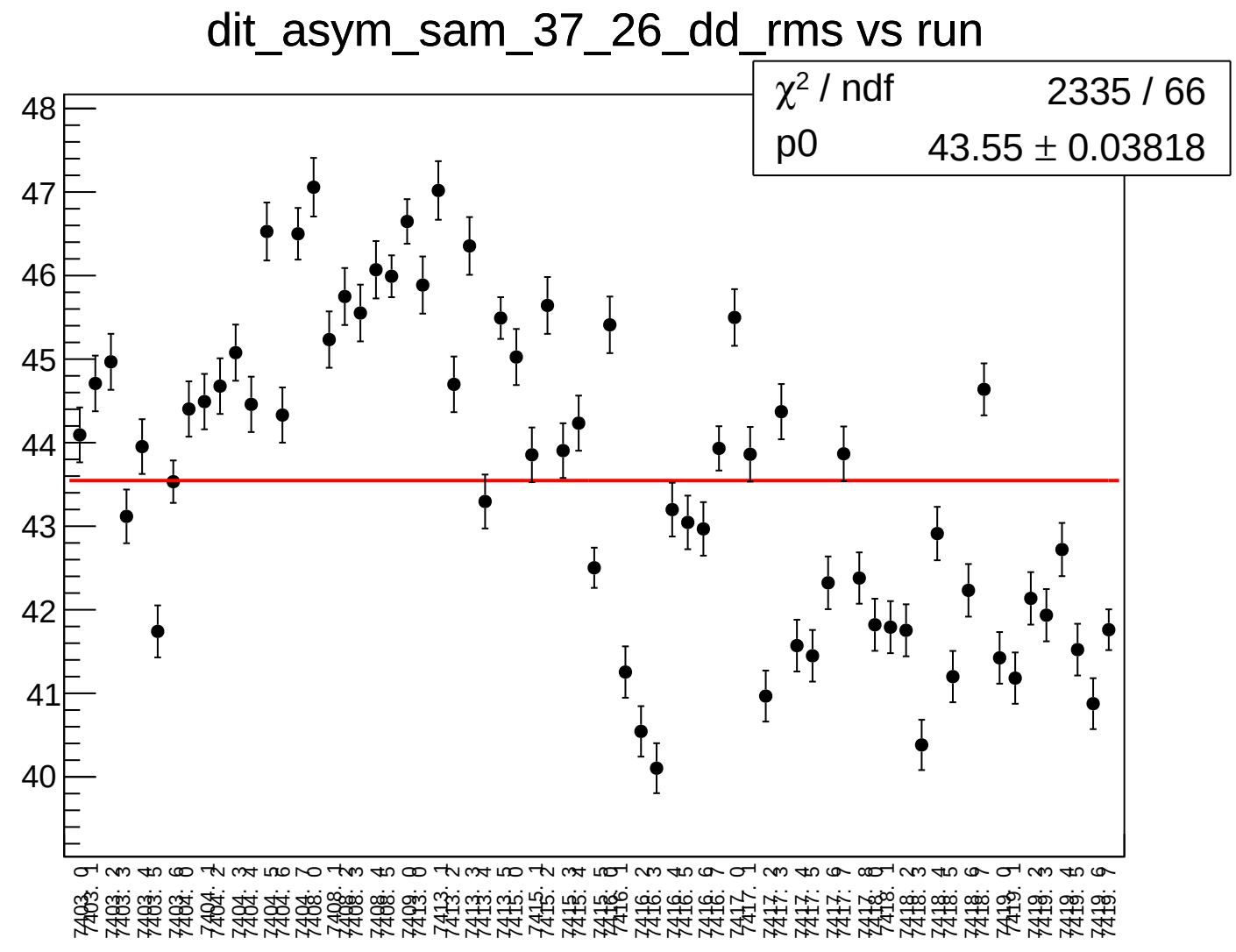

asym_sam_15_26_dd_mean vs run
χ² / ndf 63.38 / 66
p0 −336.7 ± 351.8
pull
Entries 67
Mean 106.1
Std Dev 75.21

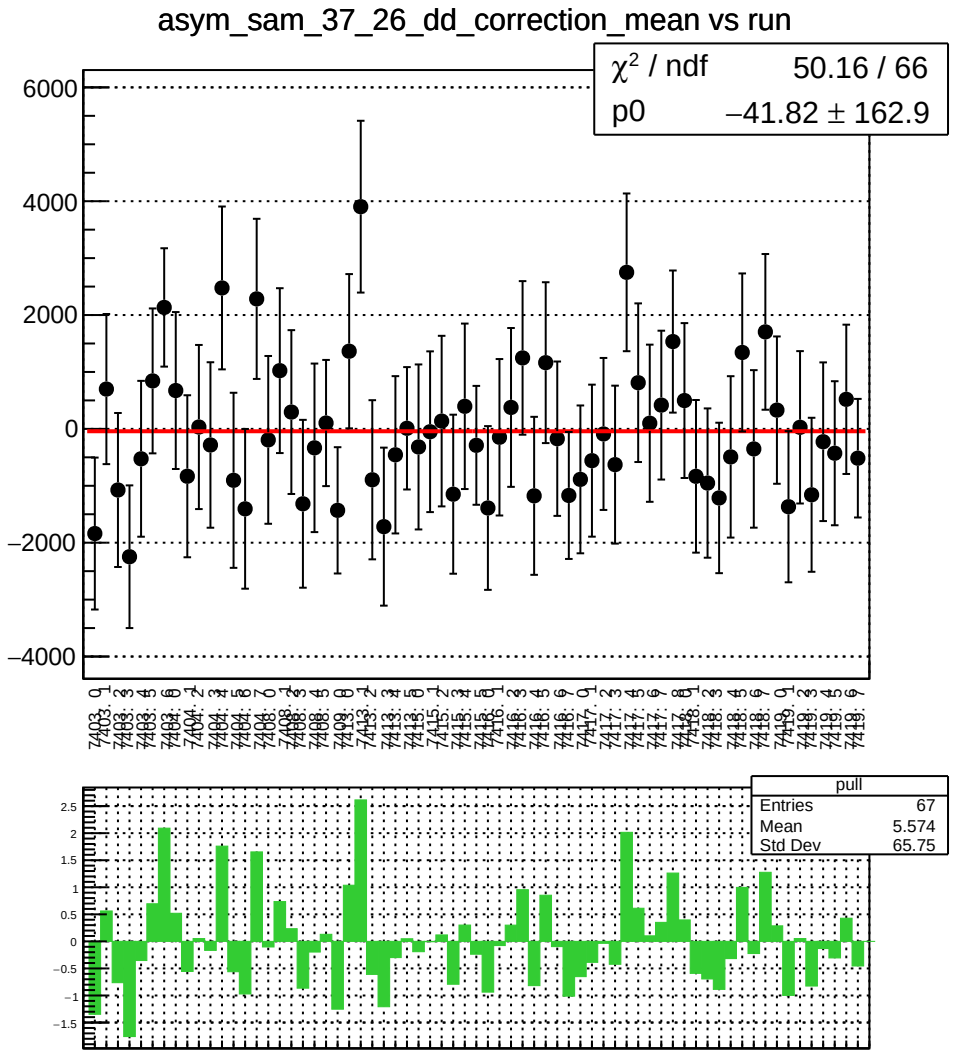

pull1D
Entries 67
Mean −0.03674
Std Dev 0.9719

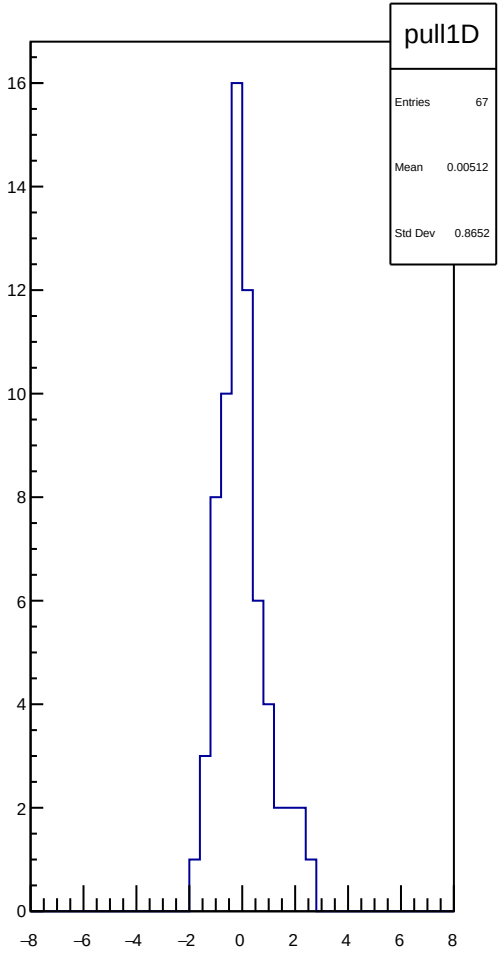

asym_sam_15_26_dd_rms vs run
χ² / ndf 6560 / 66
p0 283.2 ± 0.2488
340
320
300
280
260
240

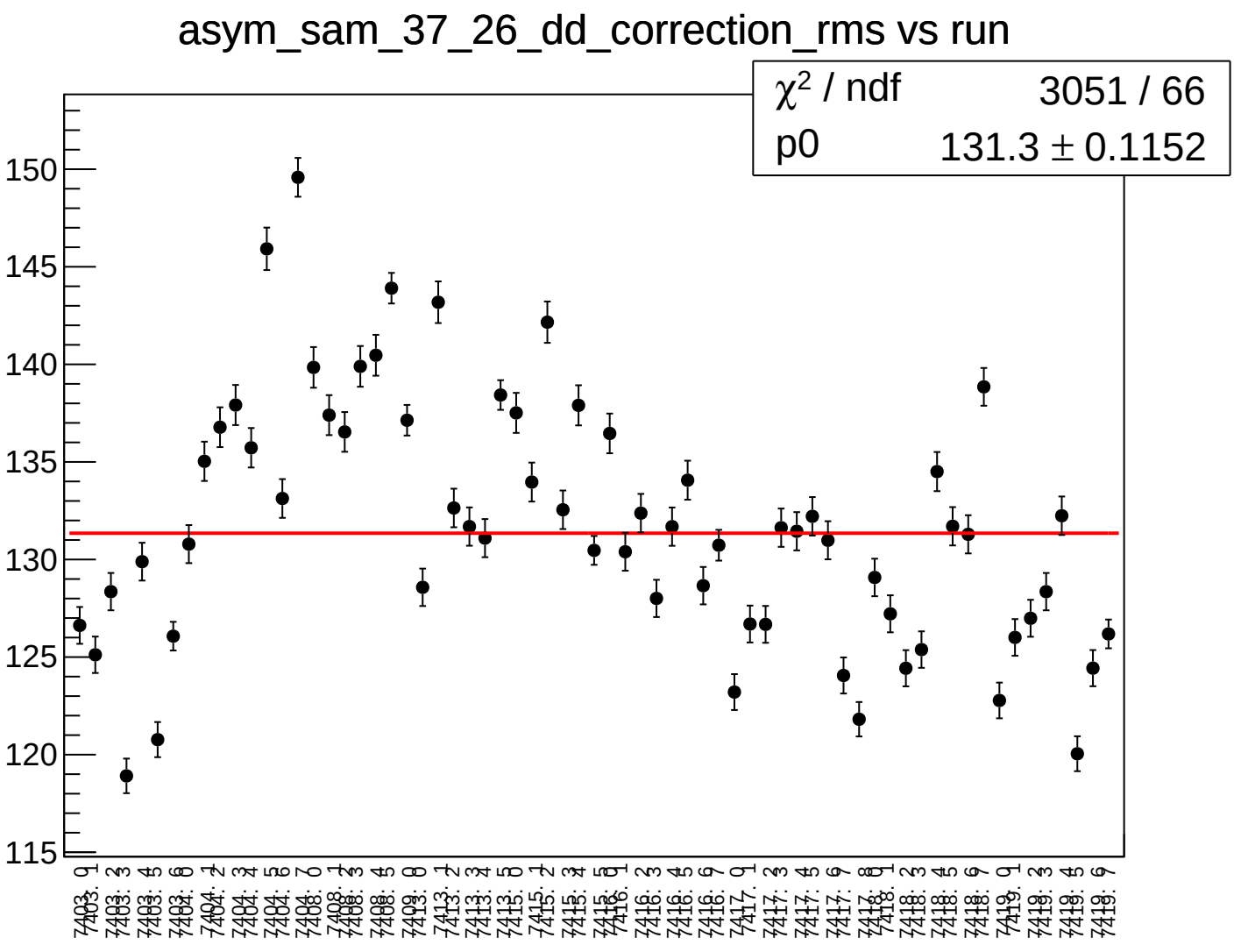

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 62.82 / 66
p0 −56.63 ± 54
pull
Entries 67
Mean 130.5
Std Dev 114.9

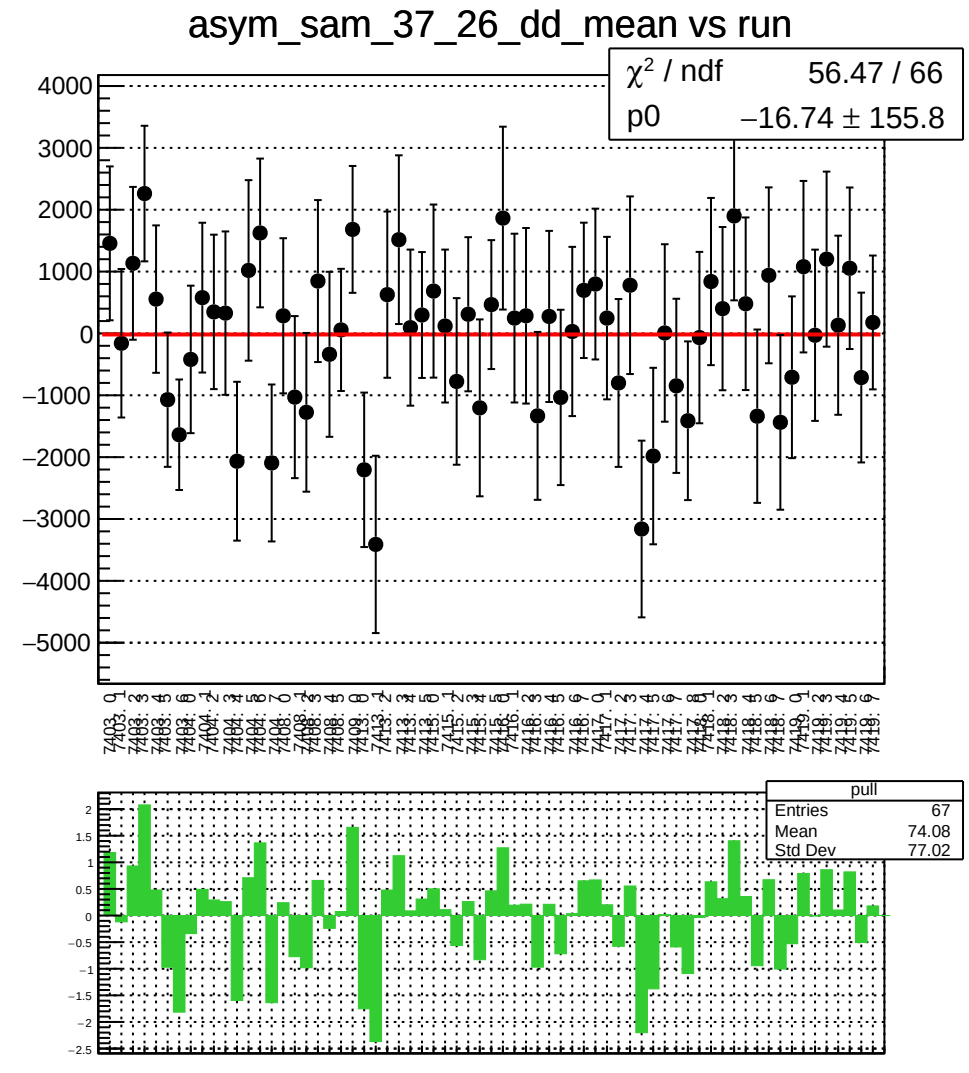

pull1D
Entries 67
Mean −0.01525
Std Dev 0.9682

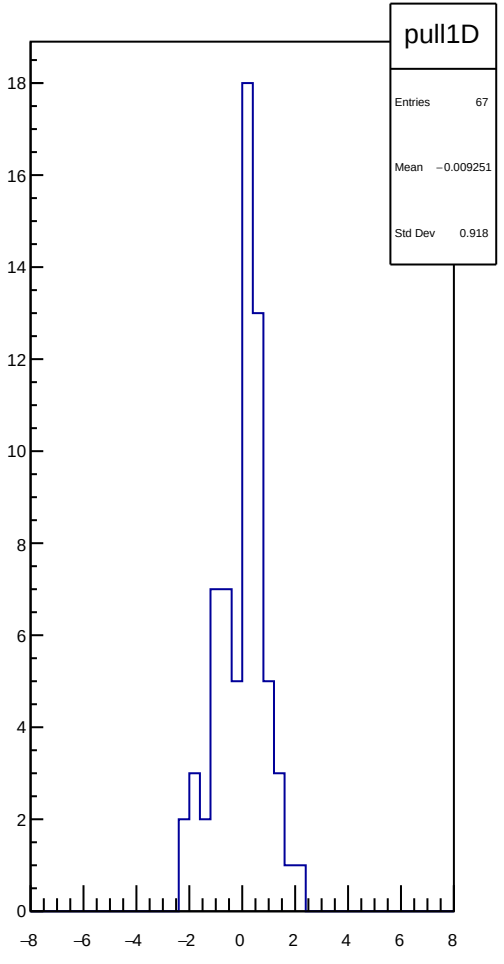

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2335 / 66
p0 43.55 ± 0.03818
48
47
46
45
44
43
42
41
40

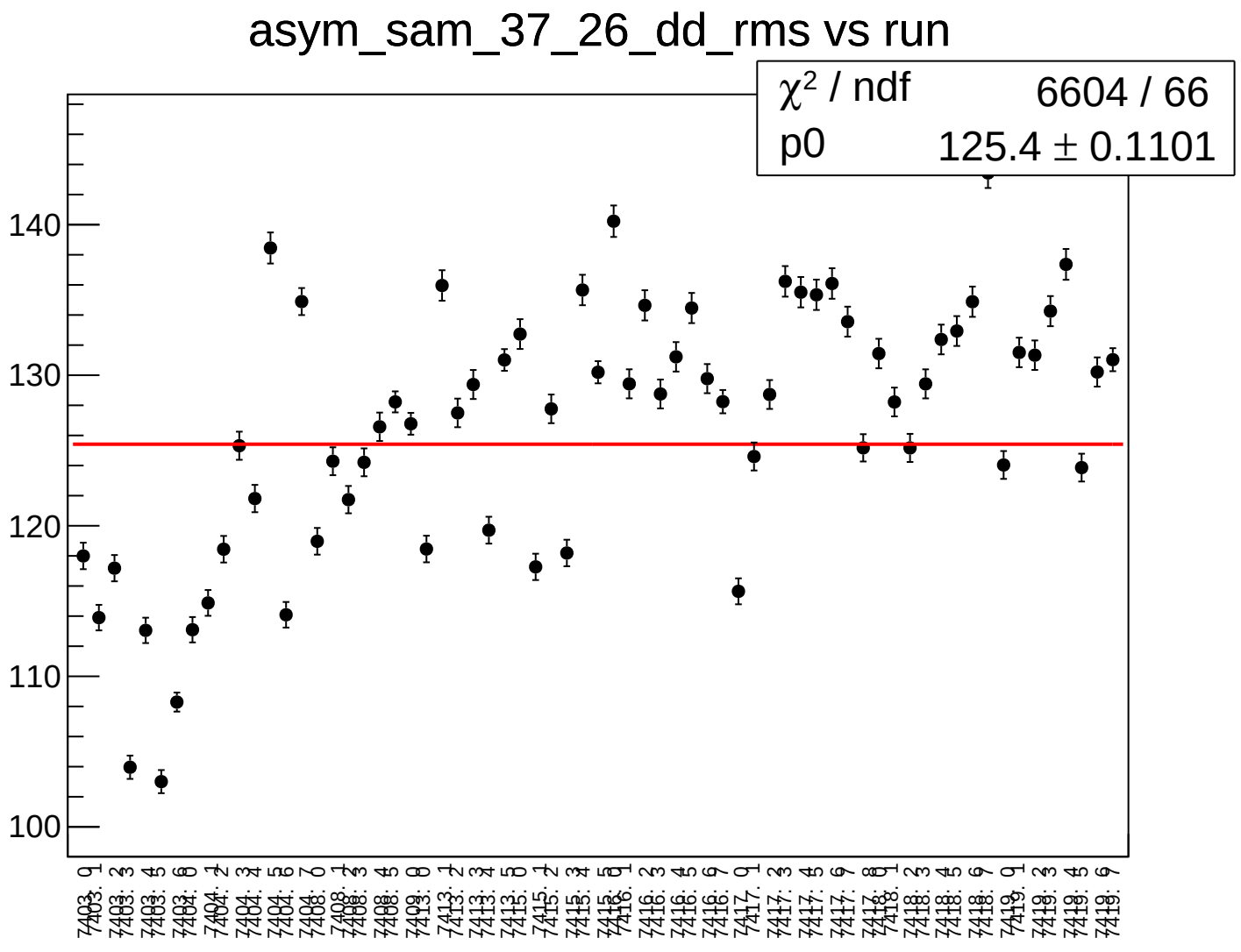

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 50.16 / 66
p0 −41.82 ± 162.9
pull
Entries 67
Mean 5.574
Std Dev 65.75

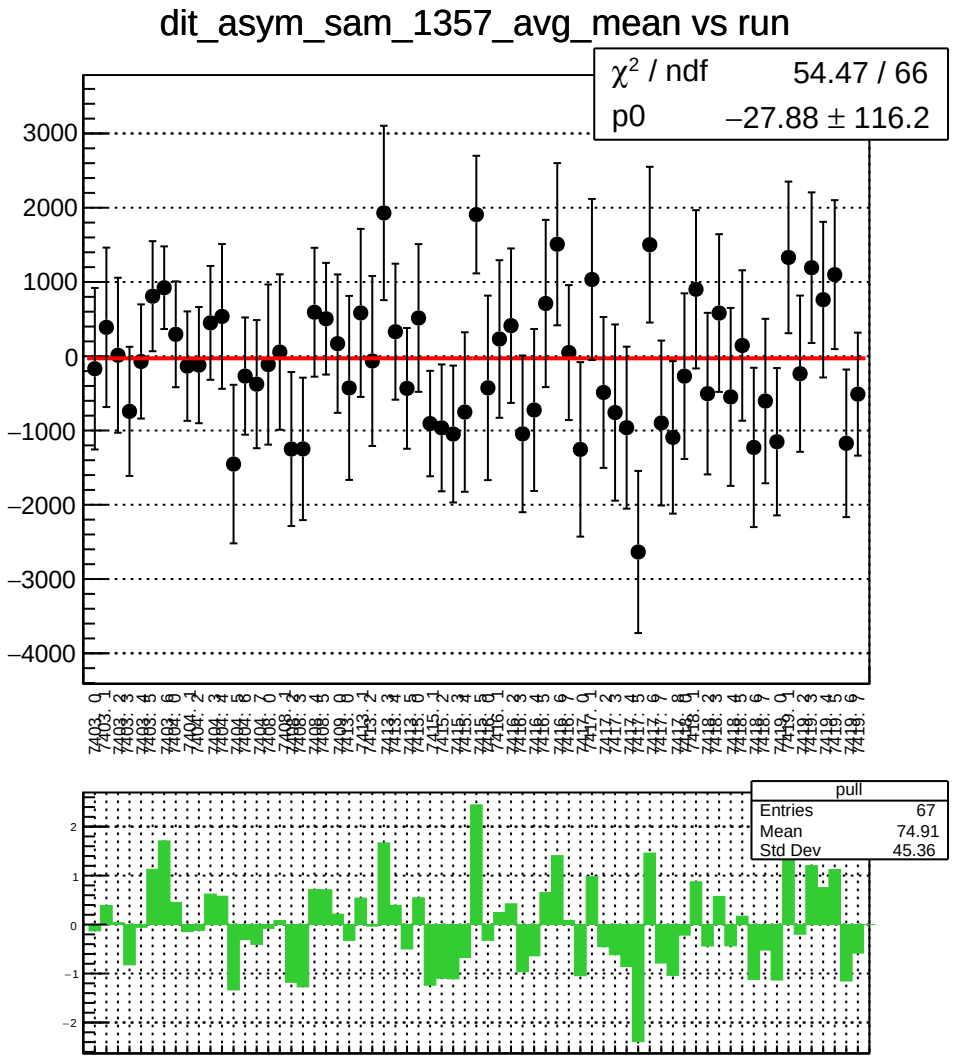

pull1D
Entries 67
Mean 0.00512
Std Dev 0.8652

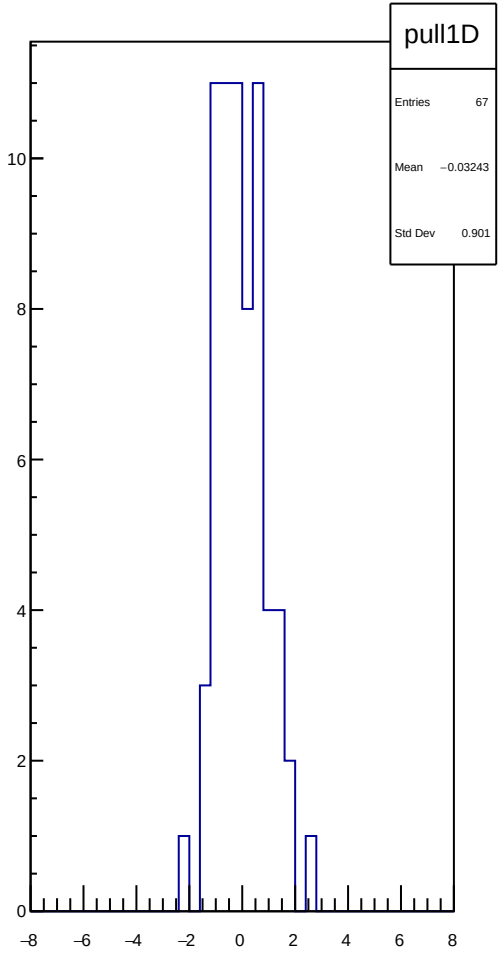

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3051 / 66
p0 131.3 ± 0.1152
150
145
140
135
130
125
120
115

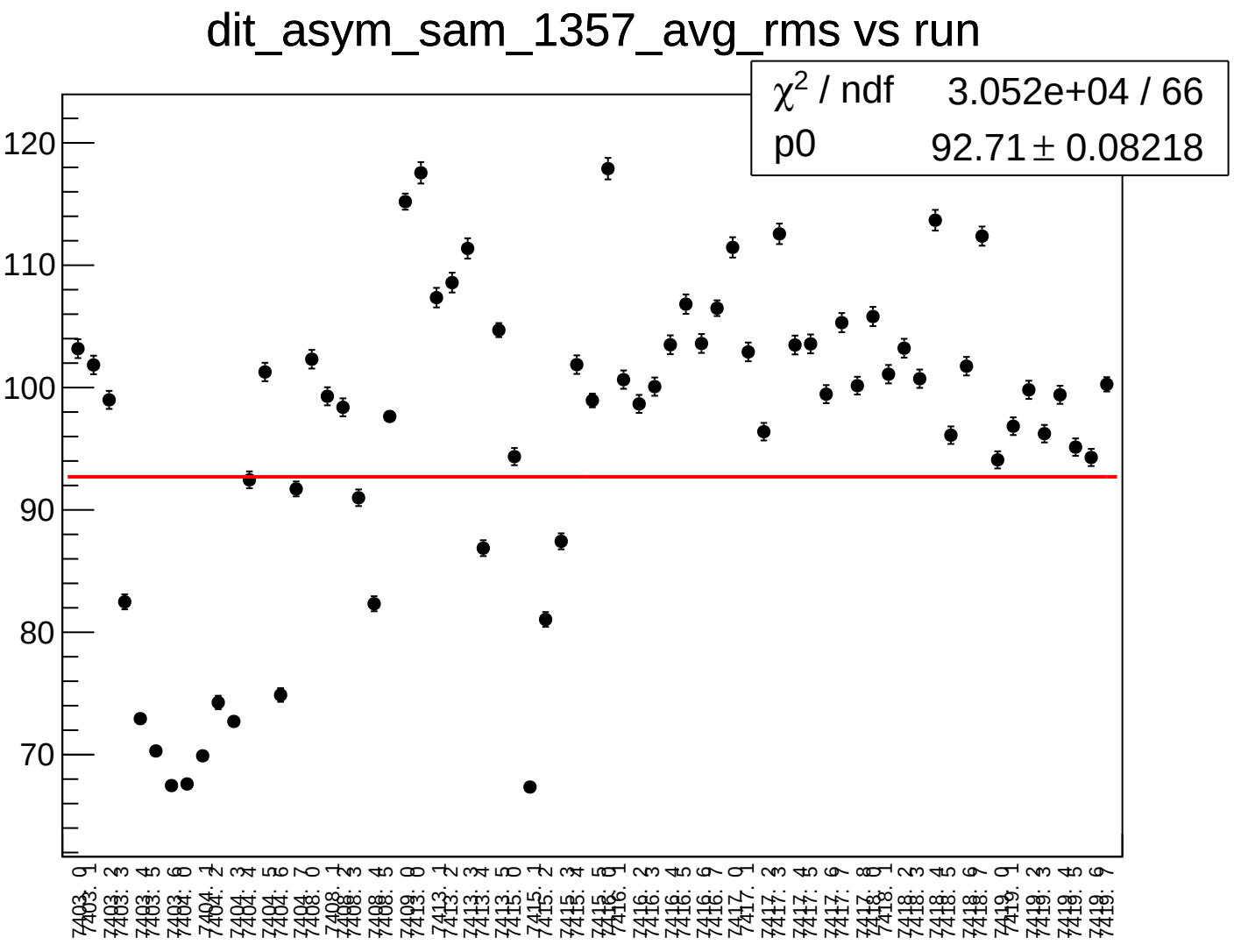

asym_sam_37_26_dd_mean vs run
χ² / ndf 56.47 / 66
p0 −16.74 ± 155.8
pull
Entries 67
Mean 74.08
Std Dev 77.02

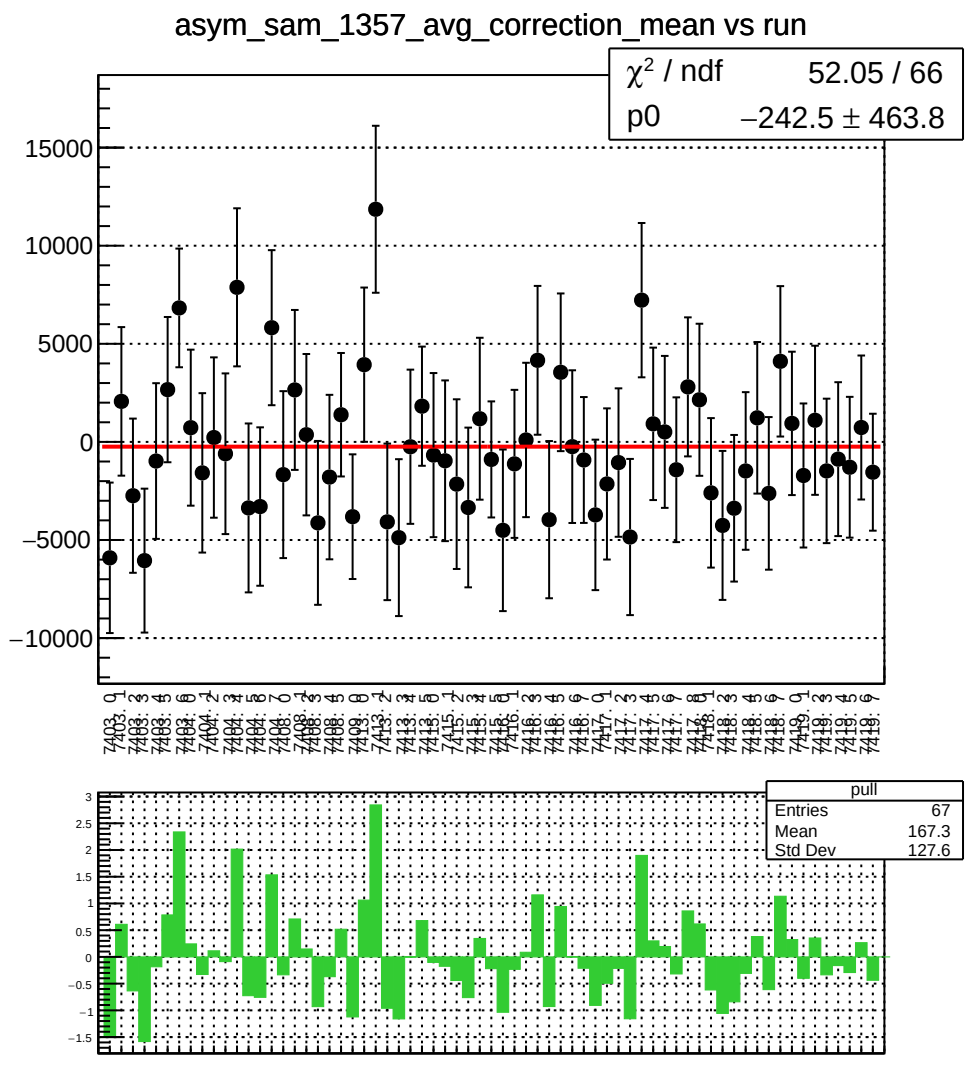

pull1D
Entries 67
Mean −0.009251
Std Dev 0.918

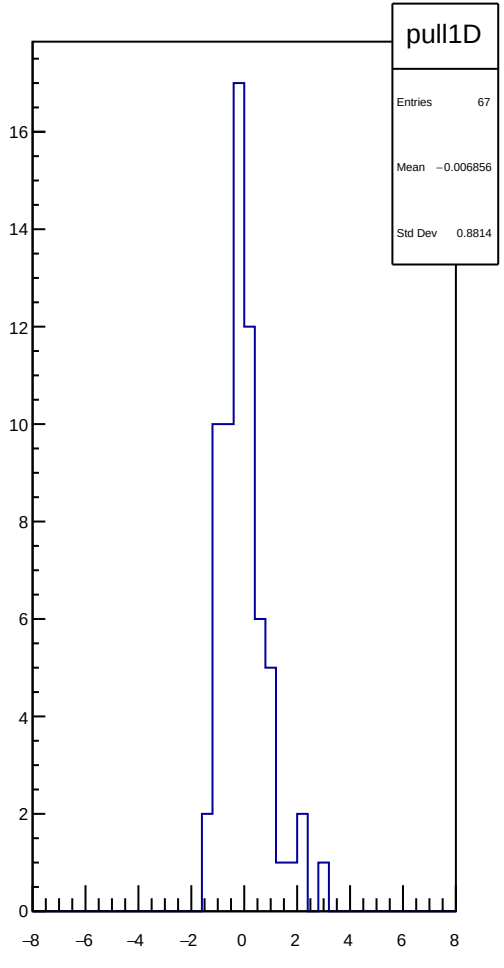

asym_sam_37_26_dd_rms vs run
χ² / ndf 6604 / 66
p0 125.4 ± 0.1101
140
130
120
110
100

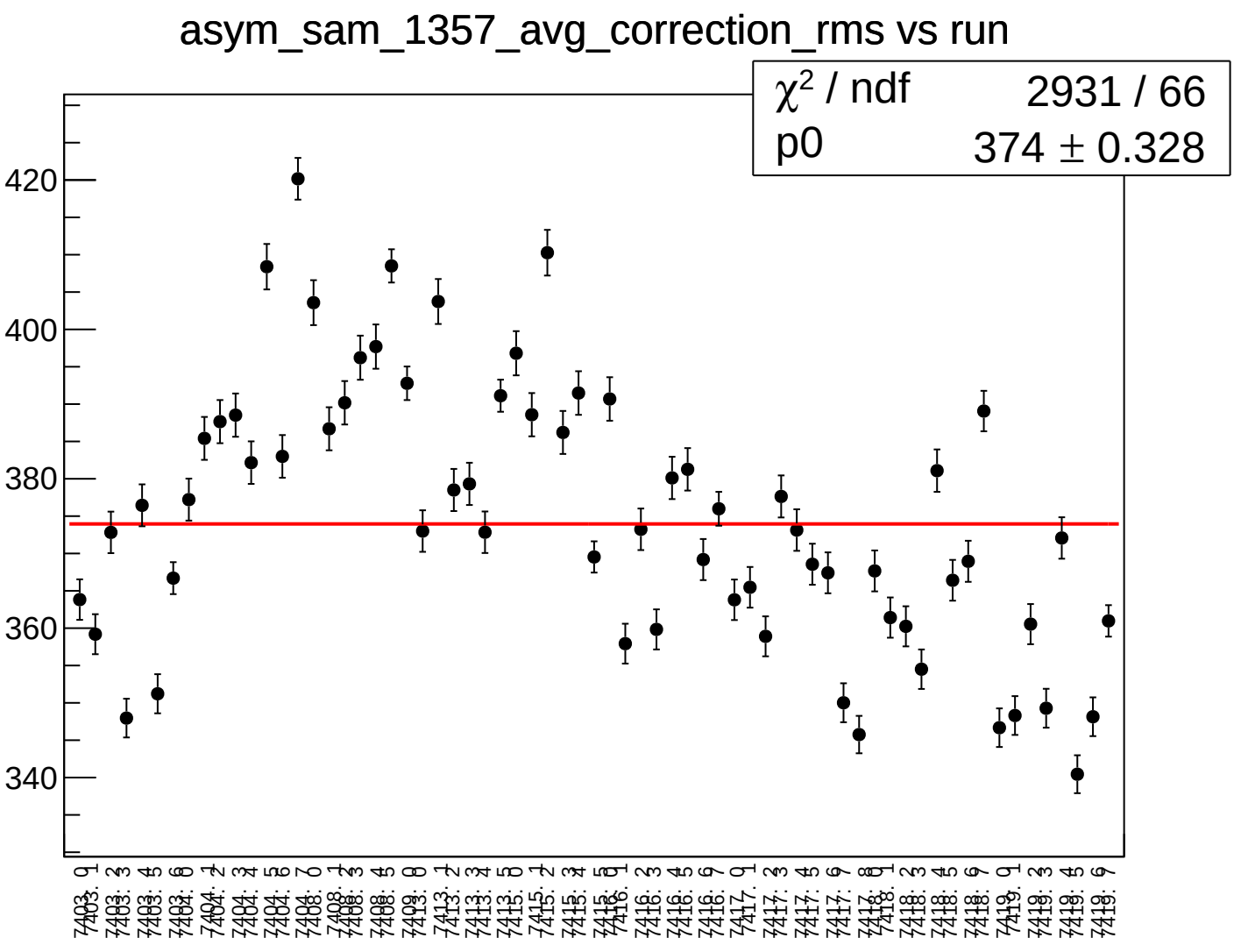

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 54.47 / 66
p0 −27.88 ± 116.2
pull
Entries 67
Mean 74.91
Std Dev 45.36

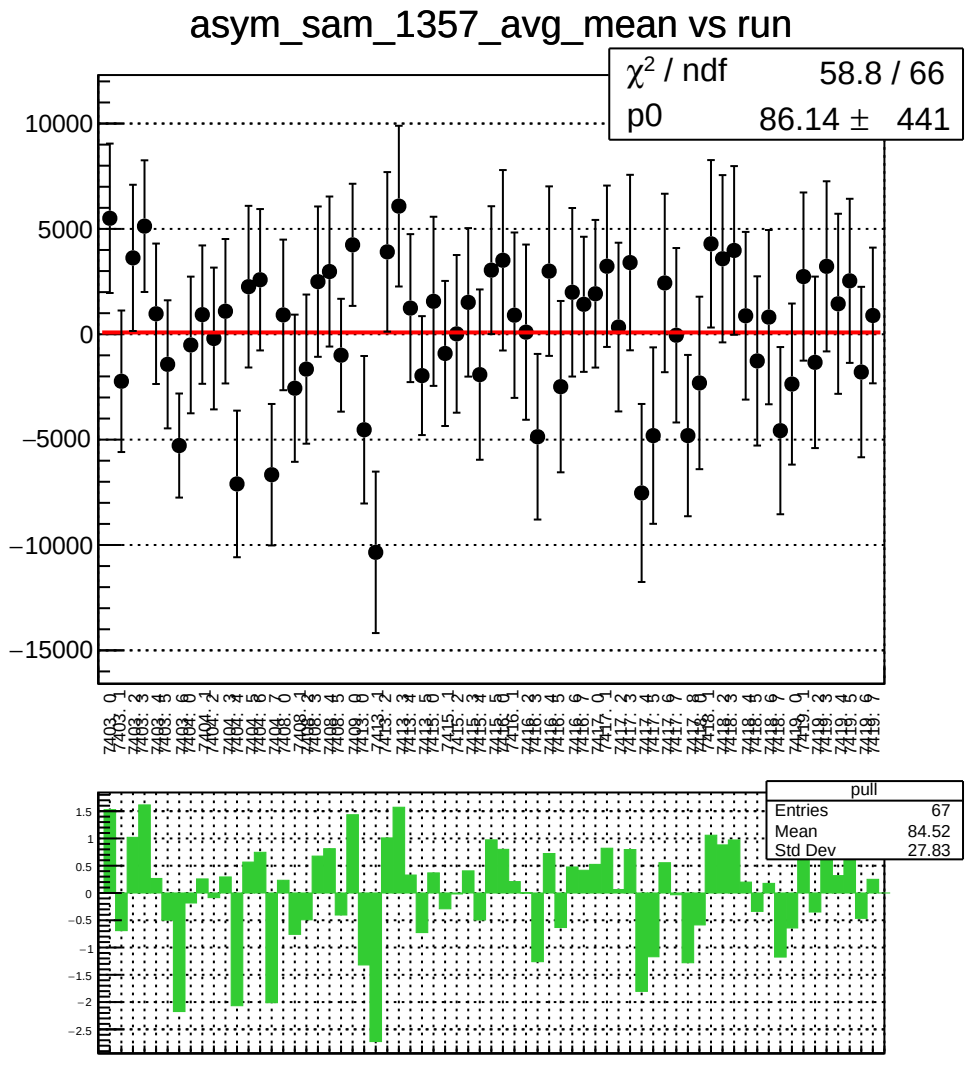

pull1D
Entries 67
Mean −0.03243
Std Dev 0.901

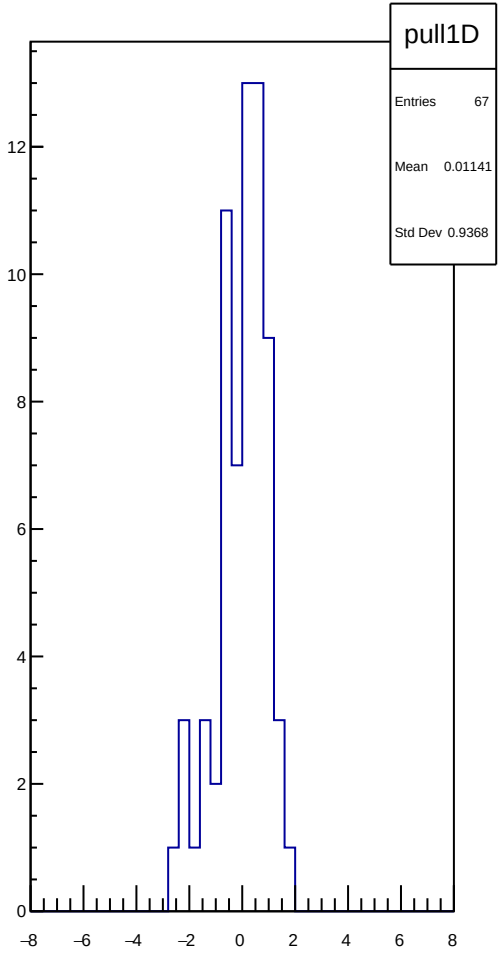

dit_asym_sam_1357_avg_rms vs run
$\chi^2$ / ndf 3.052e+04 / 66
p0 92.71 ± 0.08218
120
110
100
90
80
70

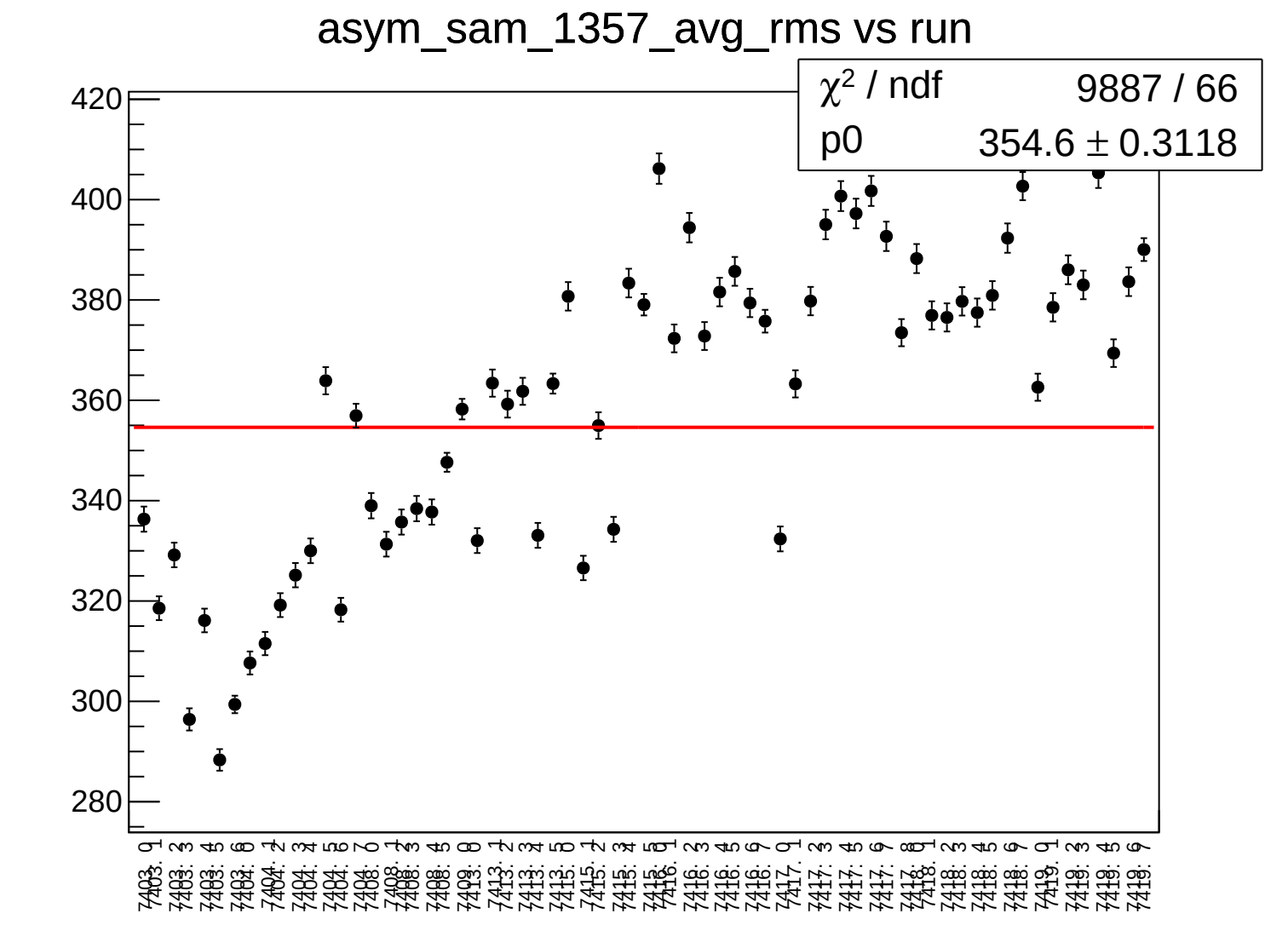

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 52.05 / 66
p0 −242.5 ± 463.8
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 167.3
Std Dev 127.6
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

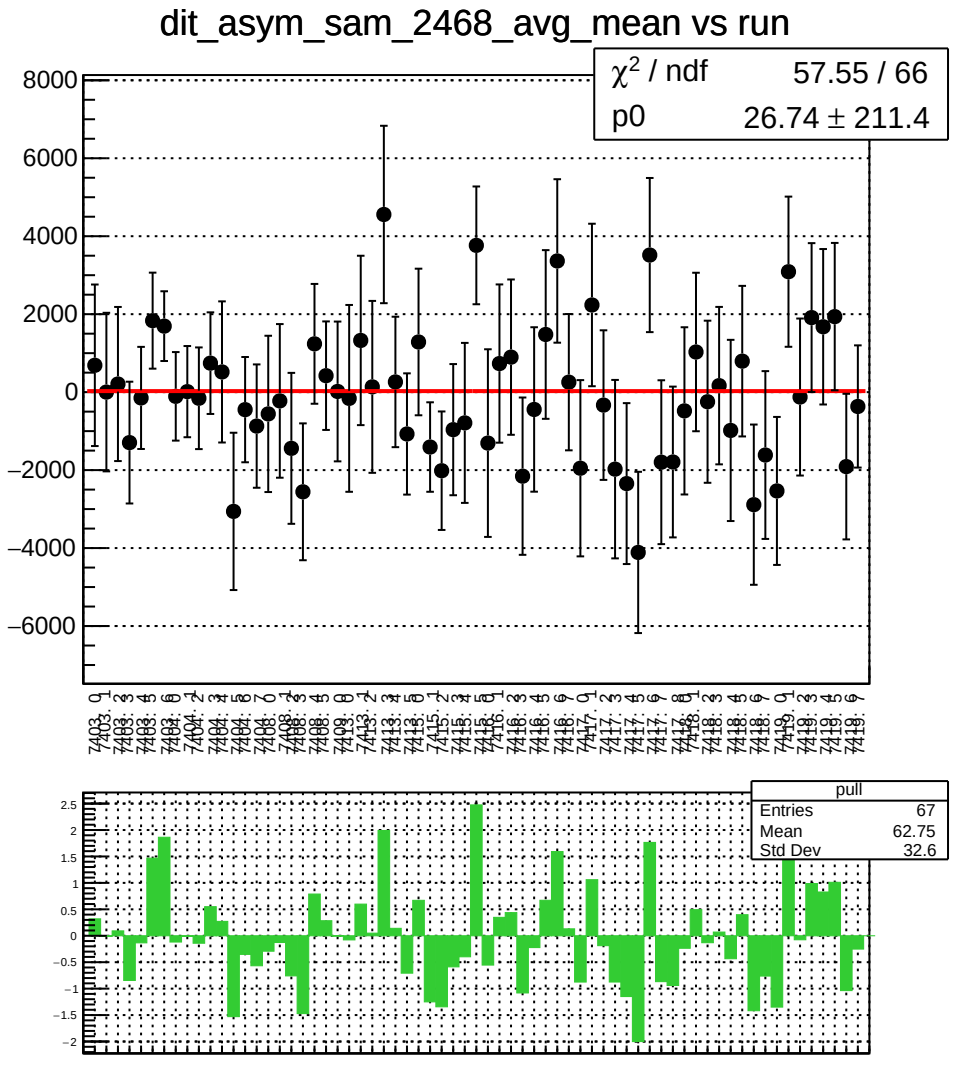

pull1D
Entries 67
Mean −0.006856
Std Dev 0.8814
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

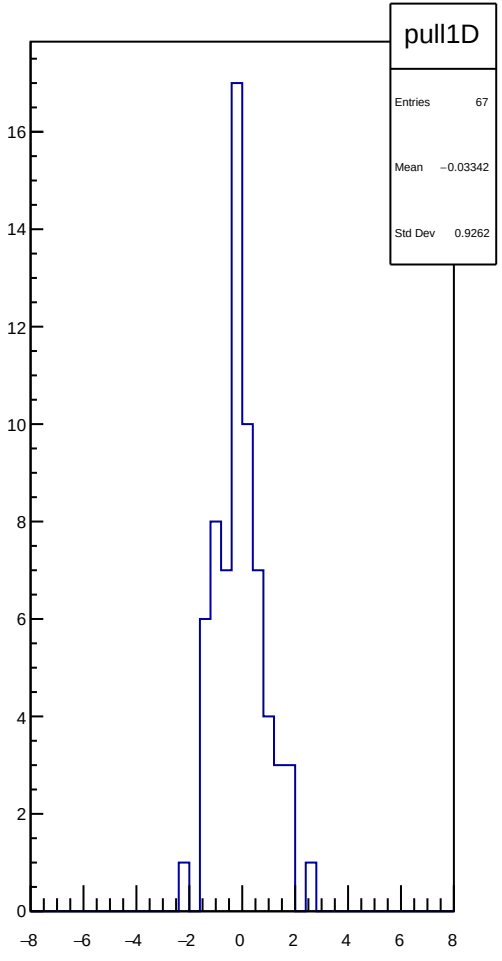

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2931 / 66
p0 374 ± 0.328
420
400
380
360
340

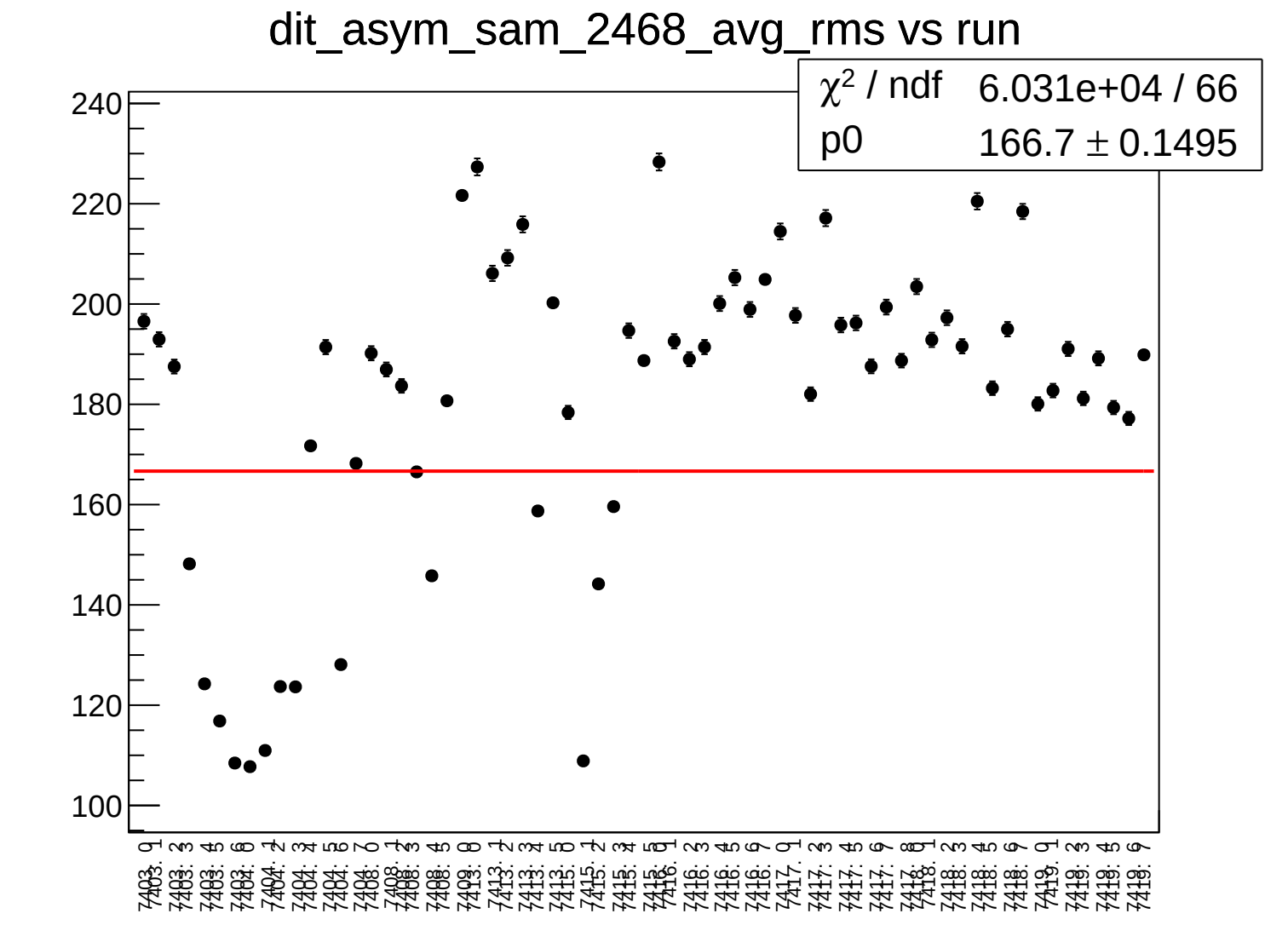

asym_sam_1357_avg_mean vs run
χ² / ndf 58.8 / 66
p0 86.14 ± 441
pull
Entries 67
Mean 84.52
Std Dev 27.83

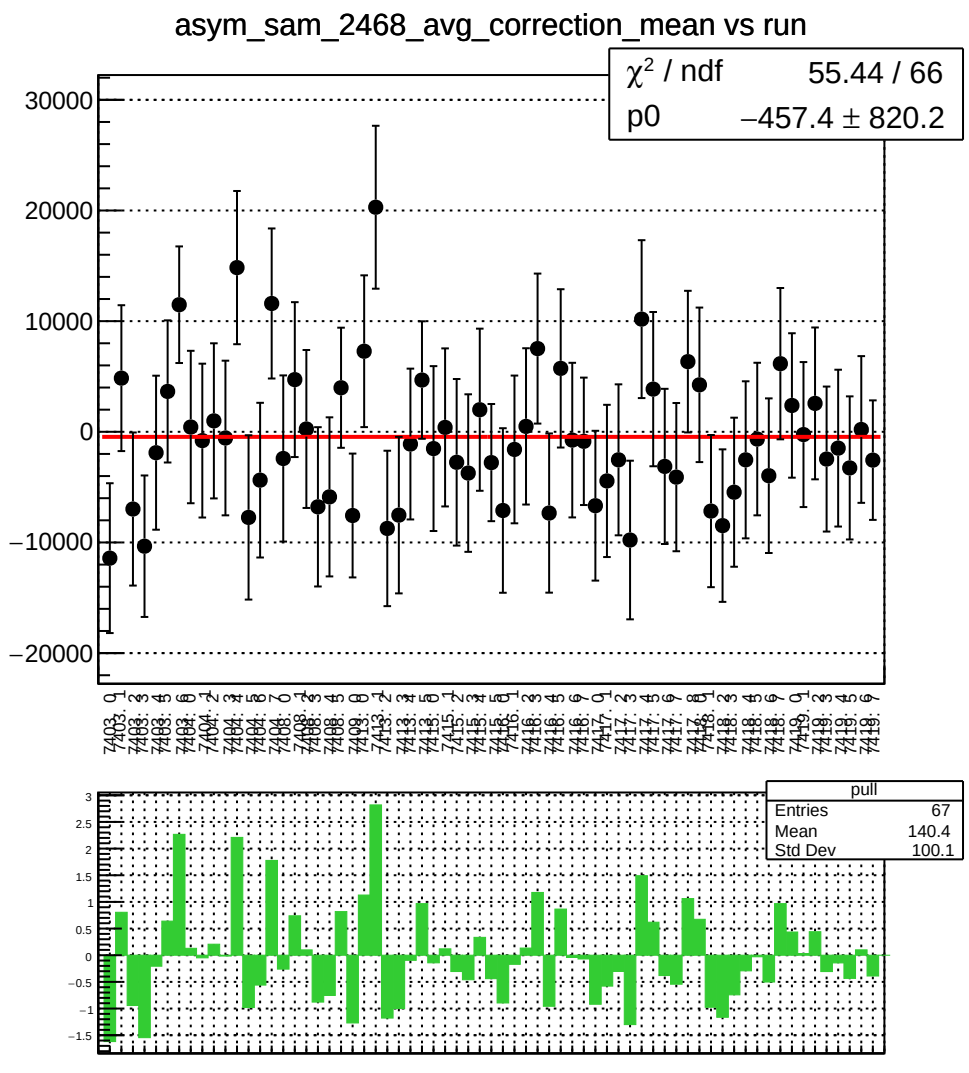

pull1D
Entries 67
Mean 0.01141
Std Dev 0.9368

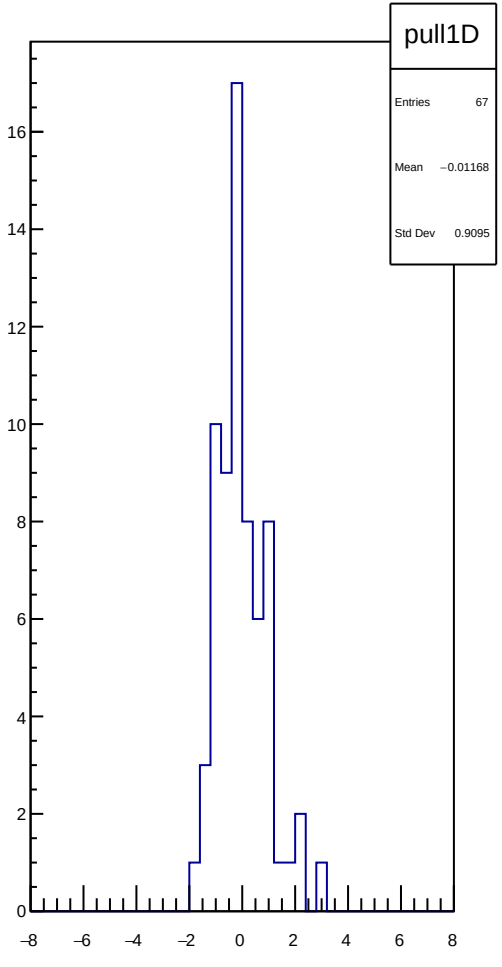

asym_sam_1357_avg_rms vs run
χ² / ndf 9887 / 66
p0 354.6 ± 0.3118
420
400
380
360
340
320
300
280

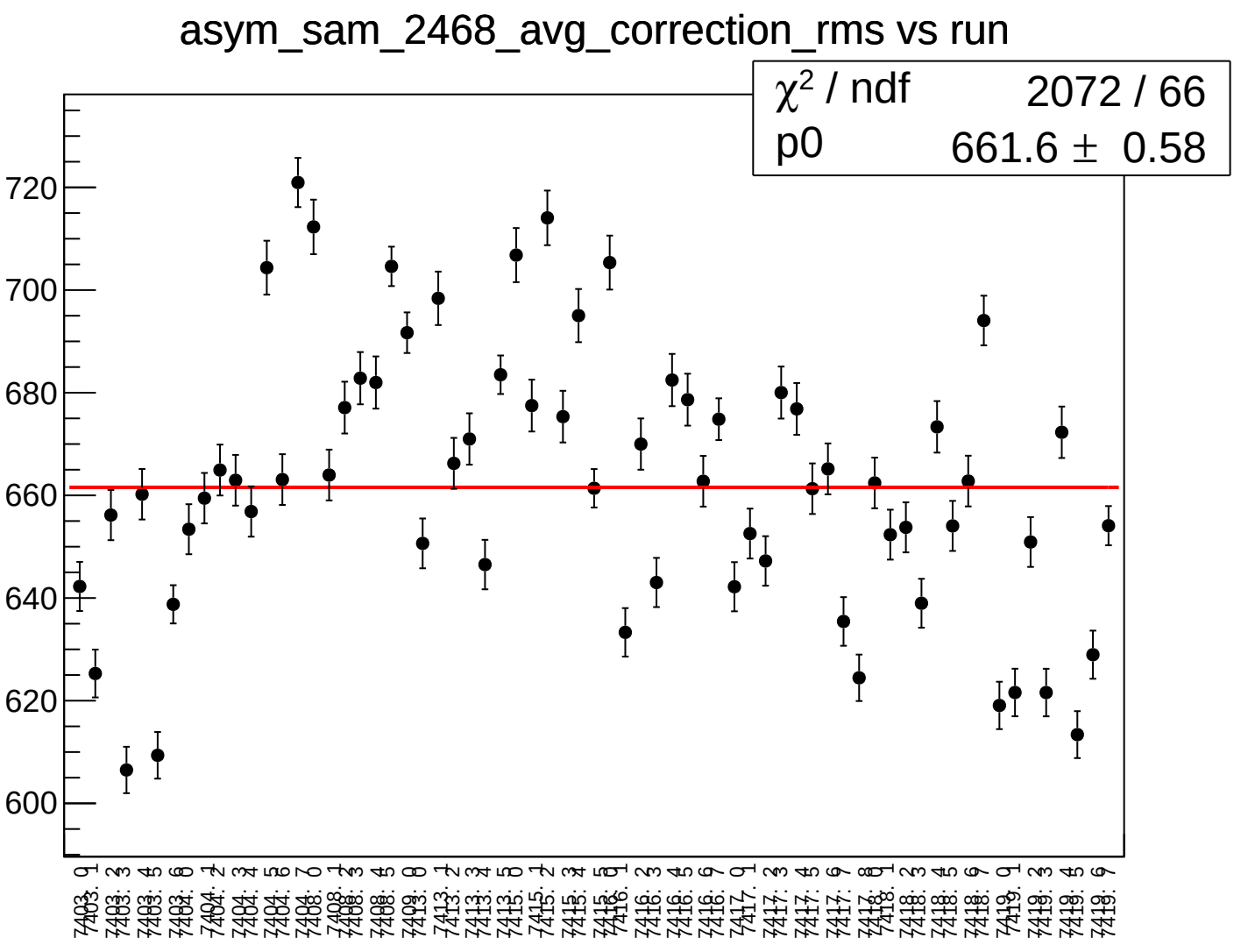

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 57.55 / 66
p0 26.74 ± 211.4
pull
Entries 67
Mean 62.75
Std Dev 32.6

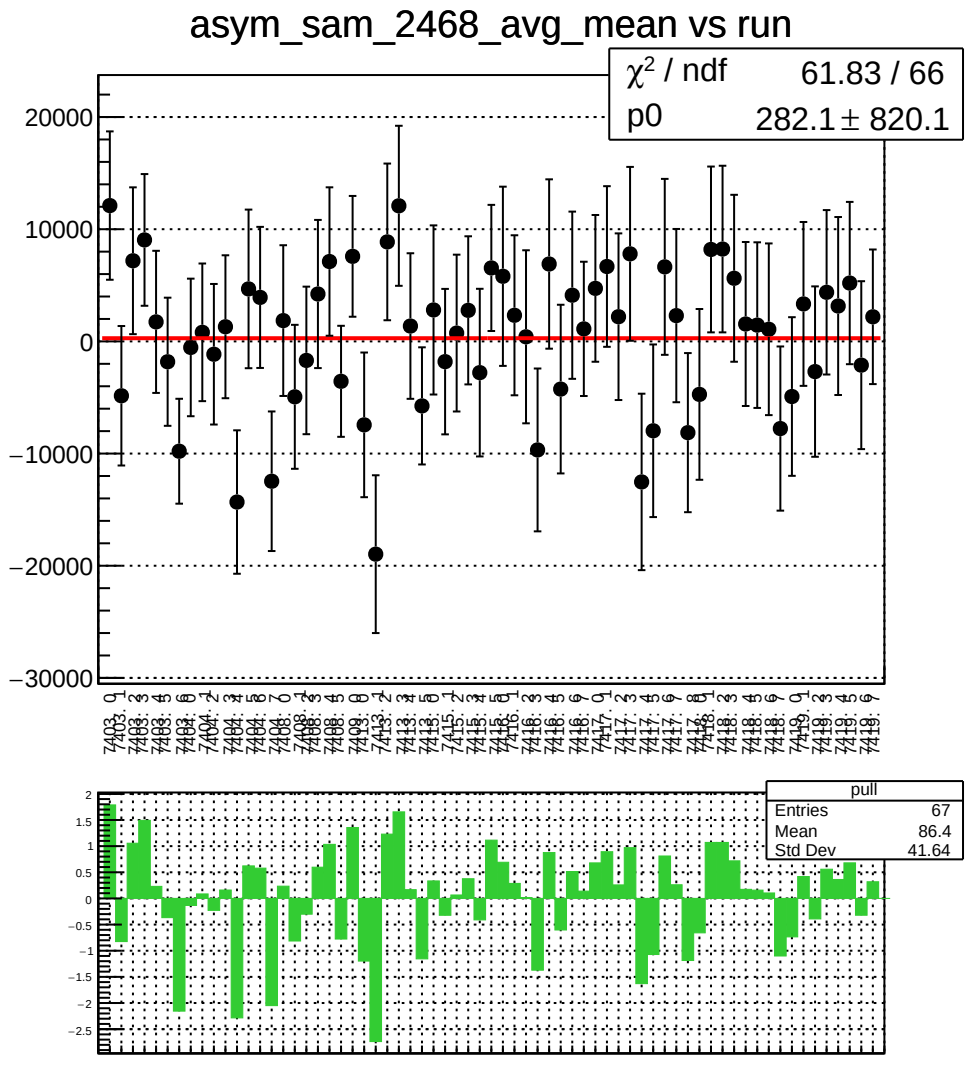

pull1D
Entries 67
Mean −0.03342
Std Dev 0.9262

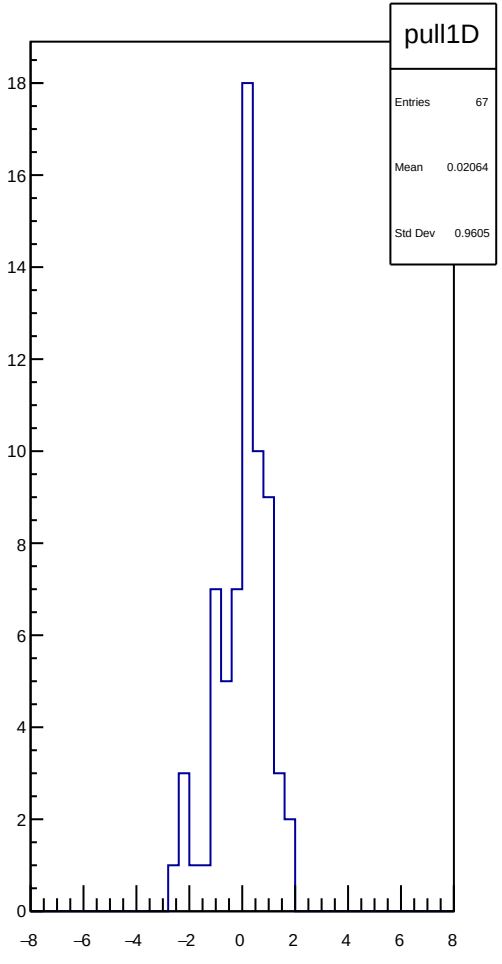

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 6.031e+04 / 66
p0 166.7 ± 0.1495
240
220
200
180
160
140
120
100

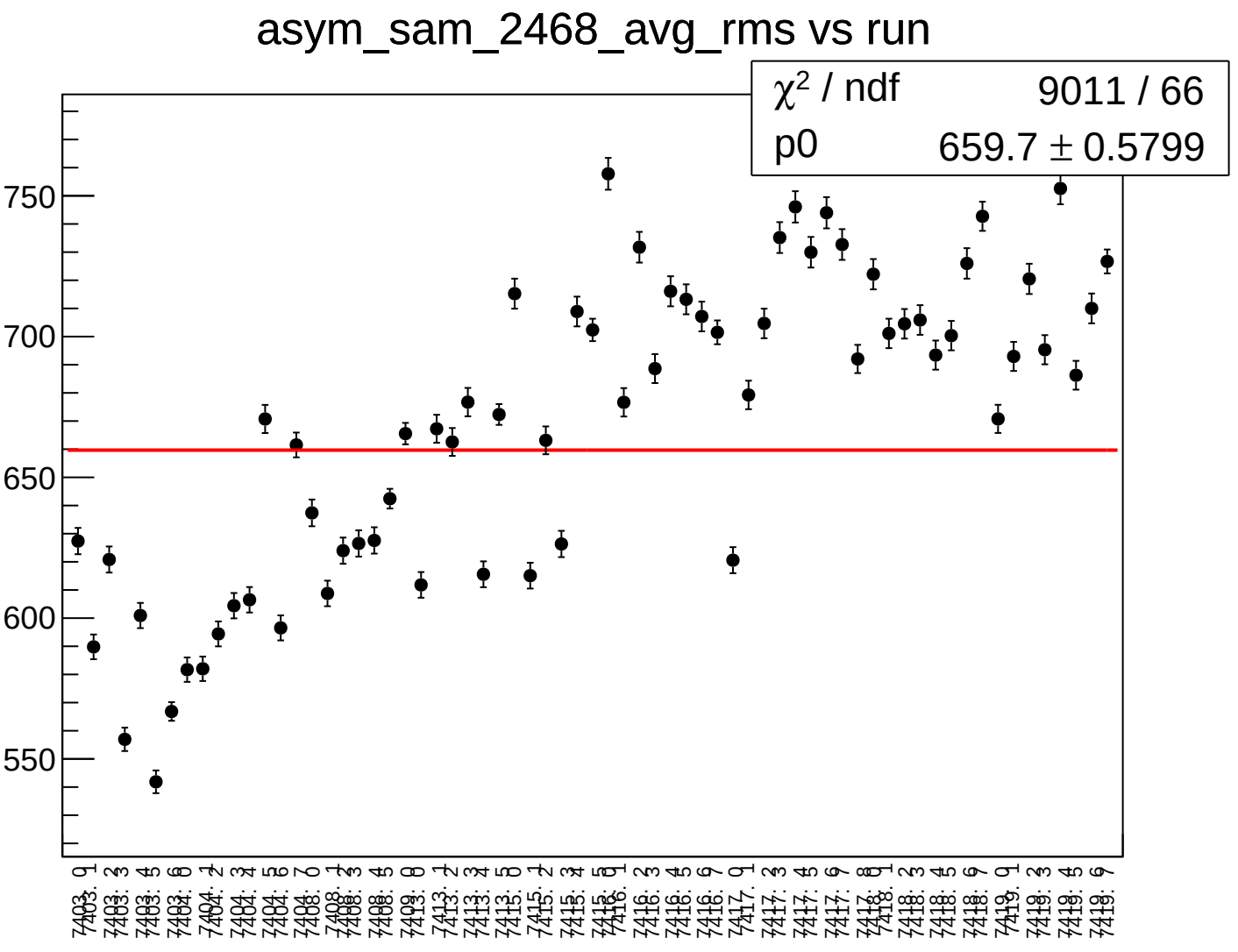

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 55.44 / 66
p0 −457.4 ± 820.2
30000
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 140.4
Std Dev 100.1
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

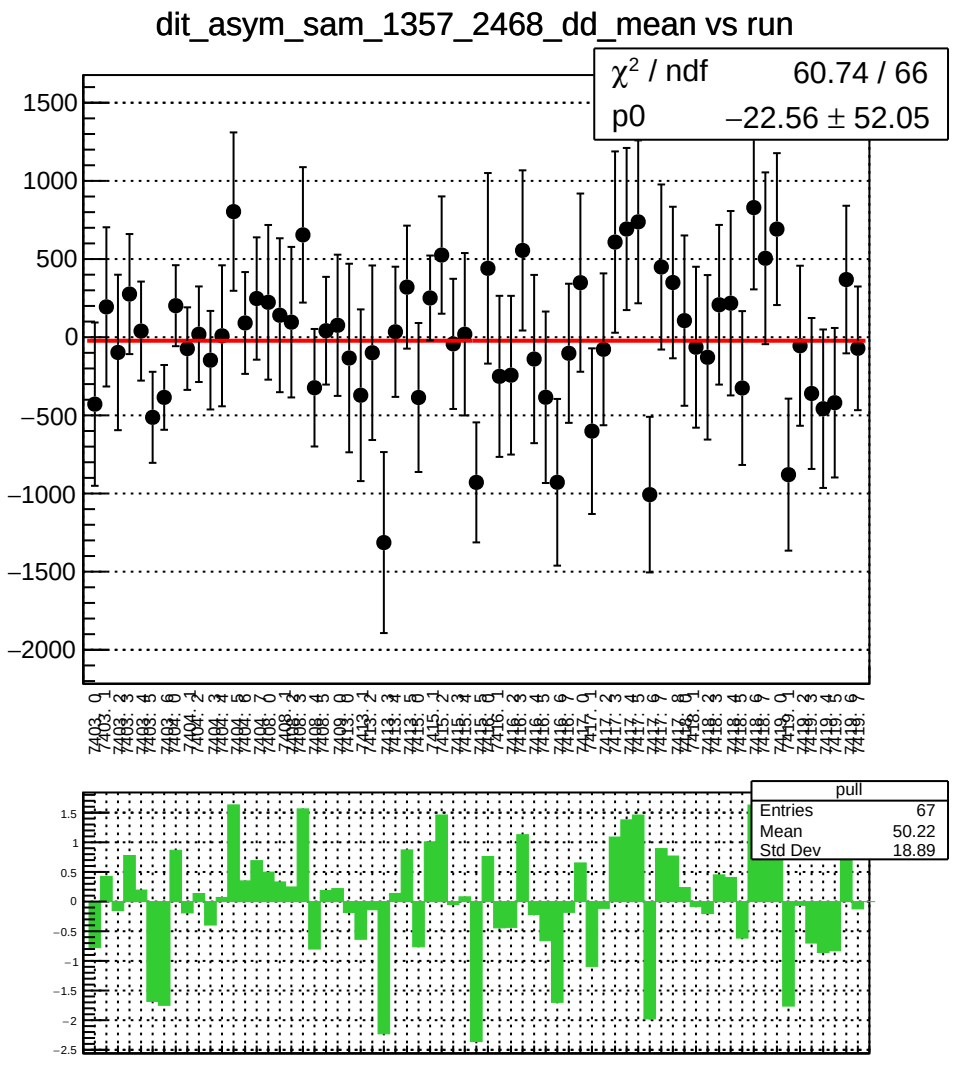

pull1D
Entries 67
Mean −0.01168
Std Dev 0.9095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

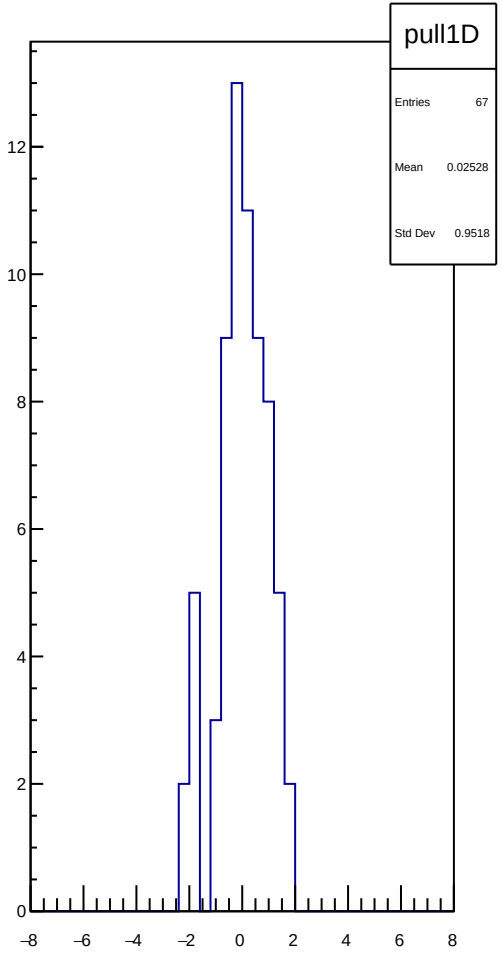

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2072 / 66
p0 661.6 ± 0.58
720
700
680
660
640
620
600

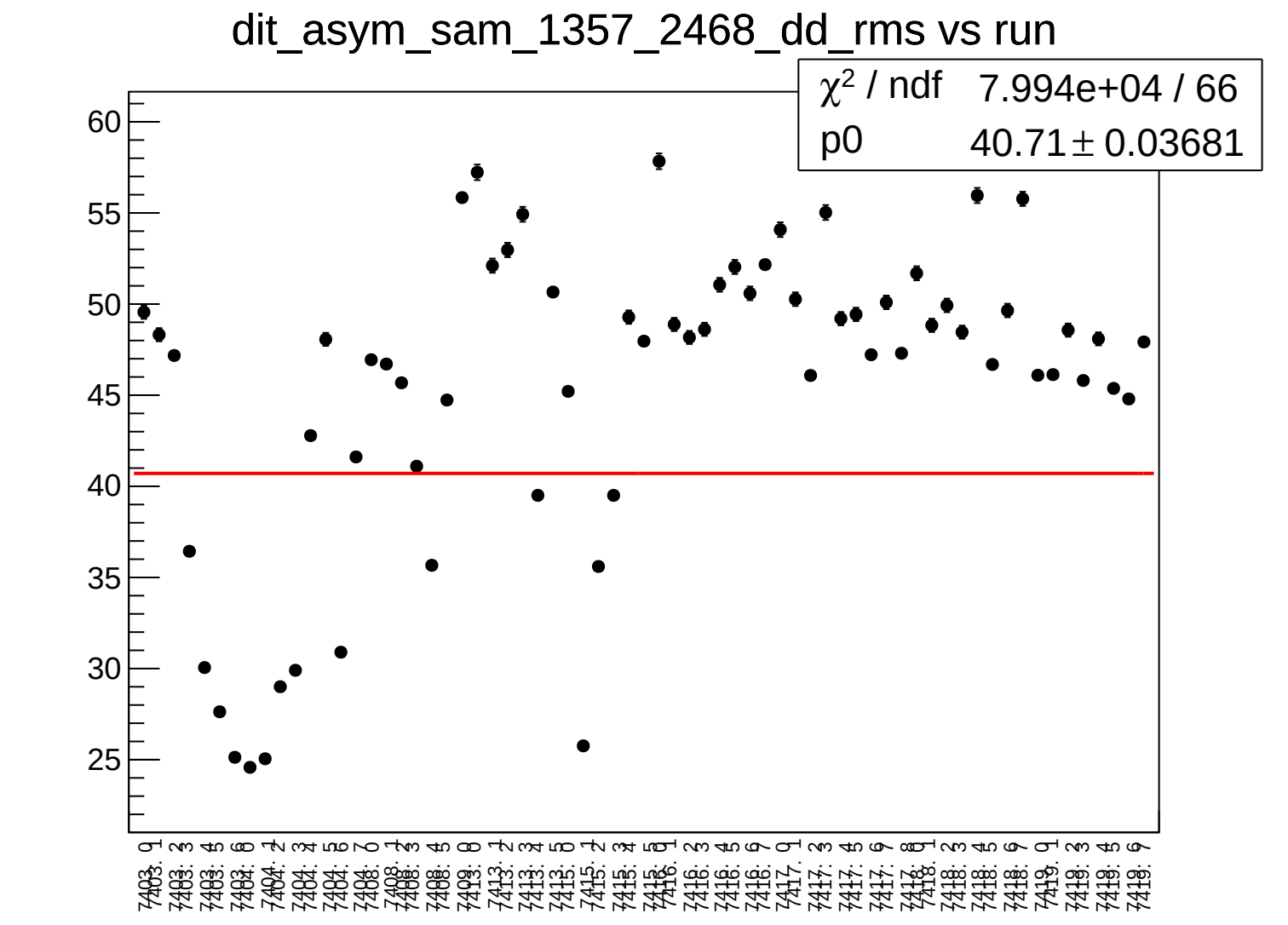

asym_sam_2468_avg_mean vs run
χ² / ndf 61.83 / 66
p0 282.1 ± 820.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 86.4
Std Dev 41.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

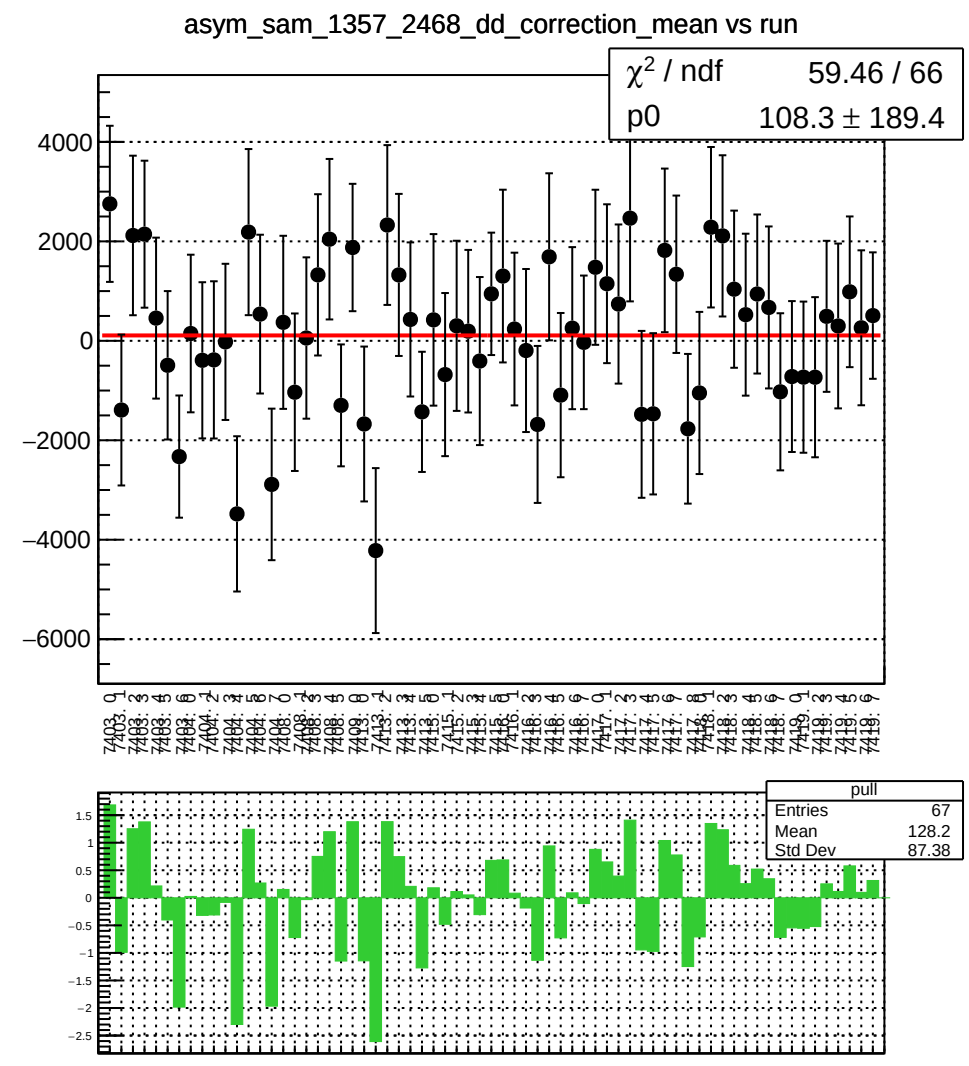

pull1D
Entries 67
Mean 0.02064
Std Dev 0.9605
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

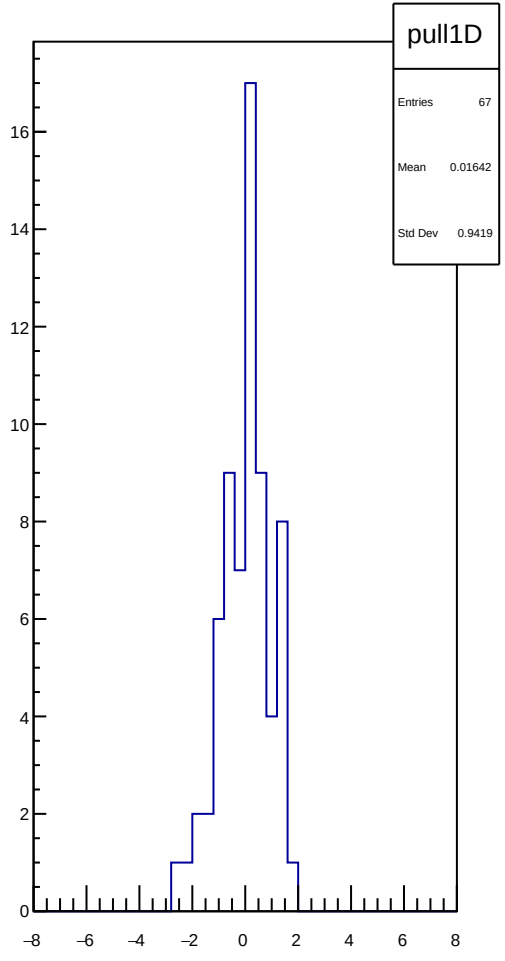

asym_sam_2468_avg_rms vs run
$\chi^2$ / ndf 9011 / 66
p0 659.7 ± 0.5799
750
700
650
600
550

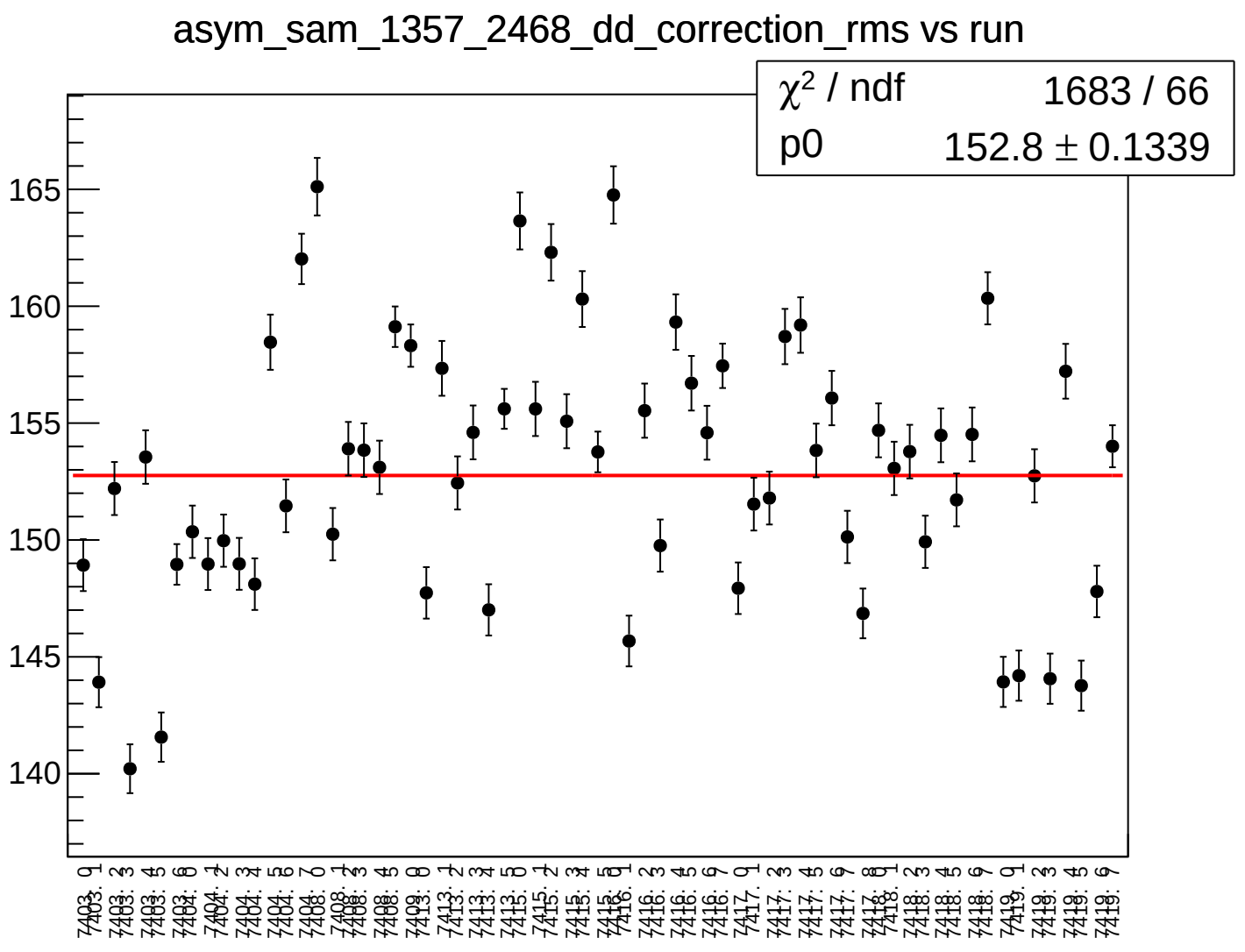

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.74 / 66
p0 −22.56 ± 52.05
pull
Entries 67
Mean 50.22
Std Dev 18.89

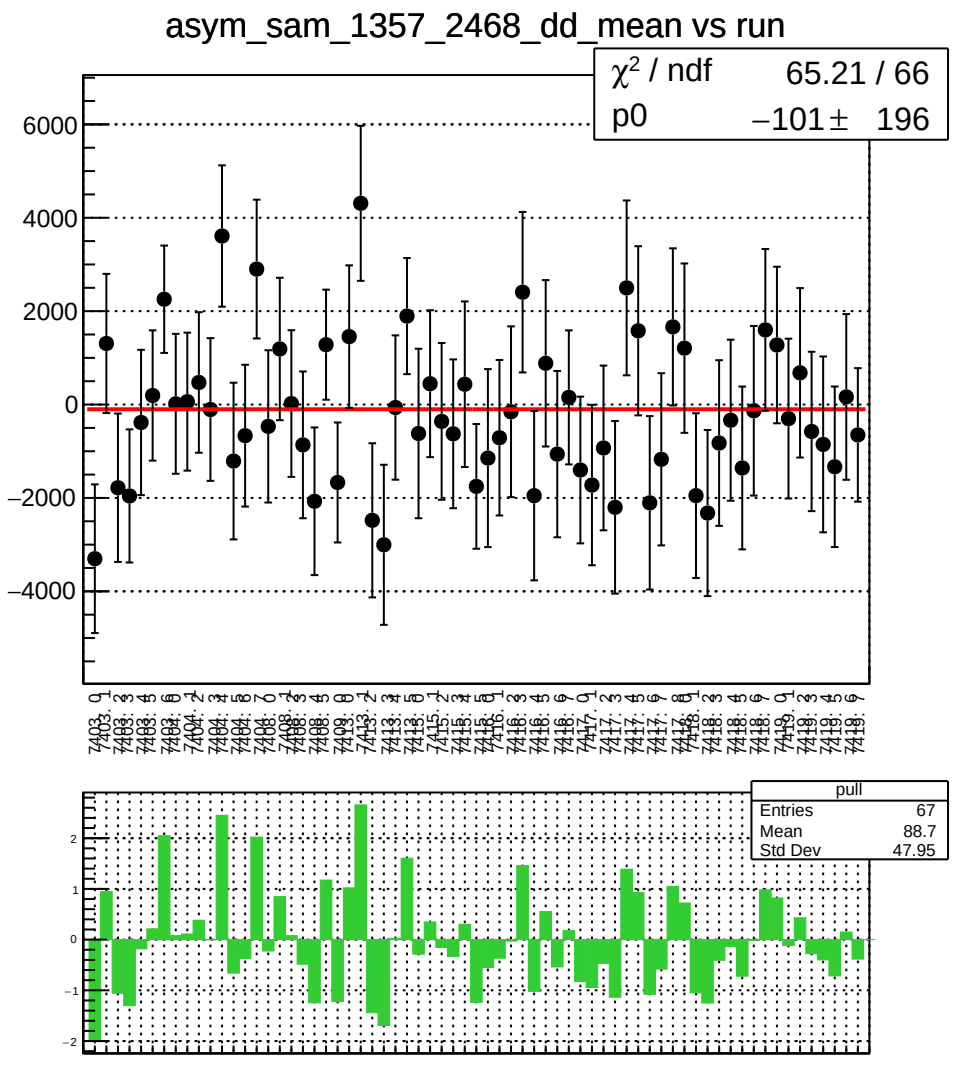

pull1D
Entries 67
Mean 0.02528
Std Dev 0.9518

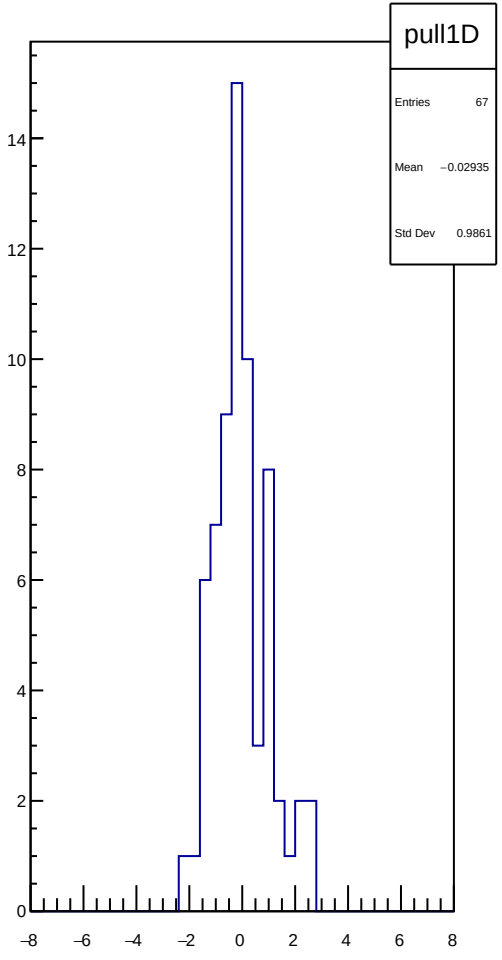

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7.994e+04 / 66
p0 40.71 ± 0.03681
60
55
50
45
40
35
30
25

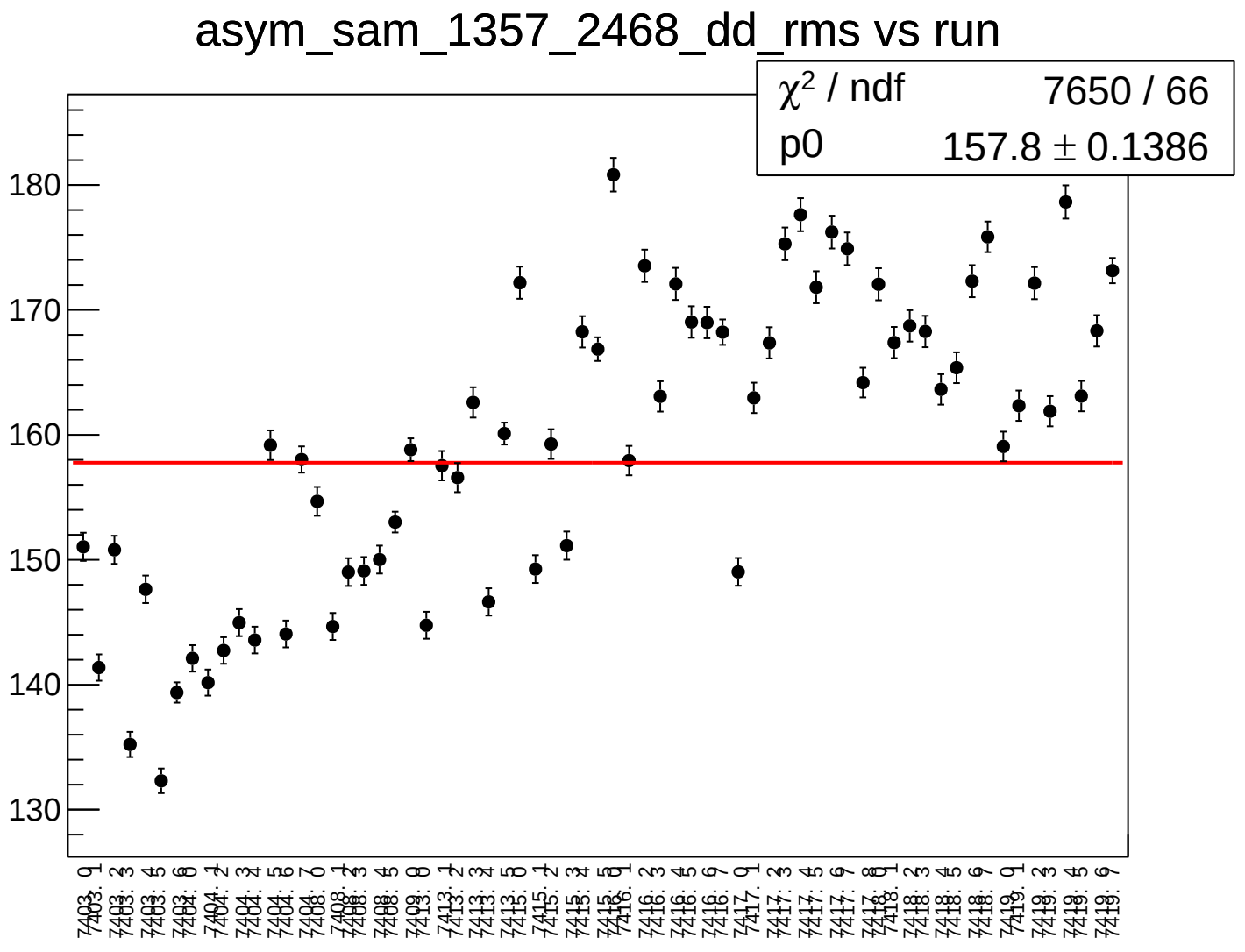

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 59.46 / 66
p0 108.3 ± 189.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 67
Mean 128.2
Std Dev 87.38
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

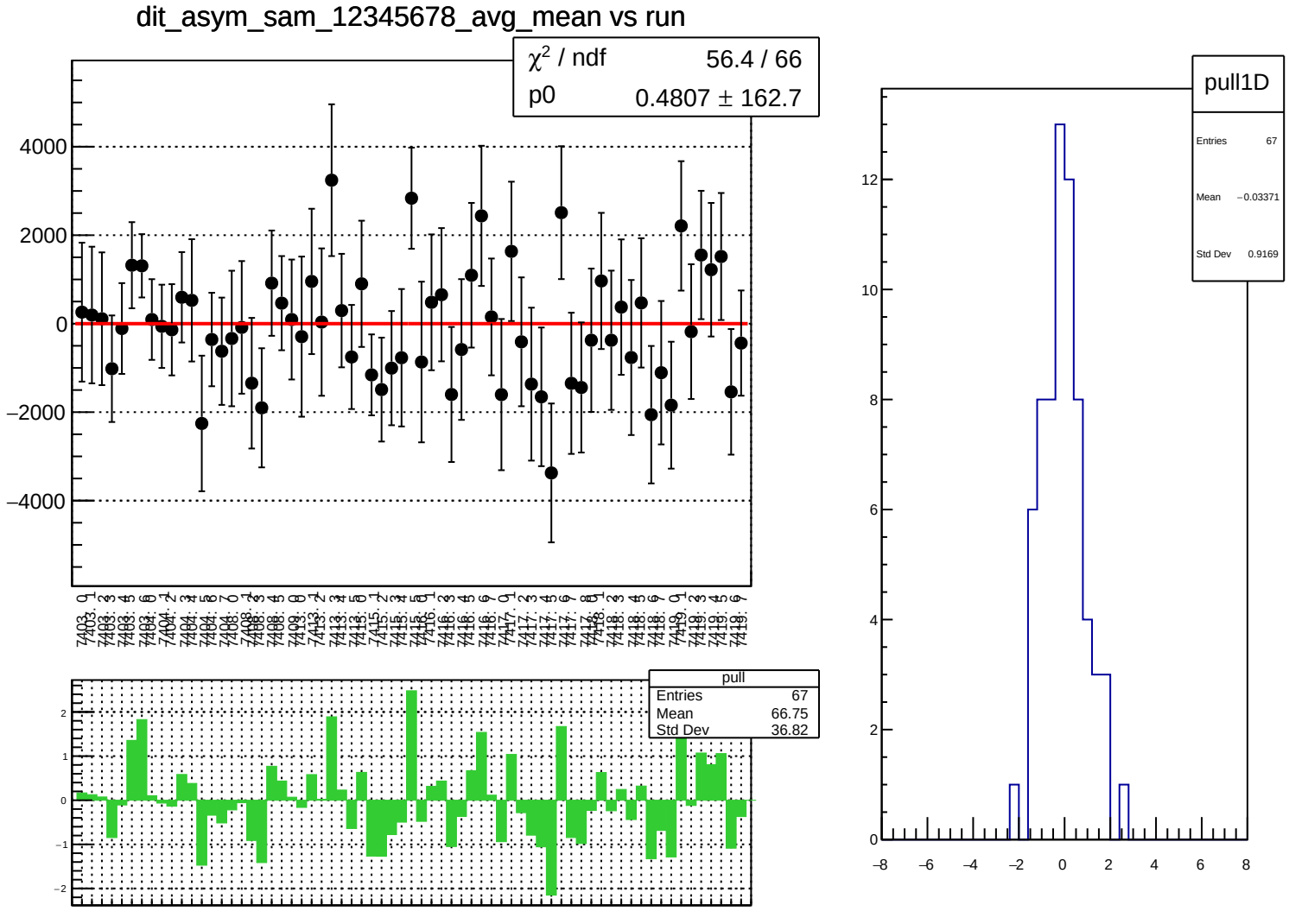

pull1D
Entries 67
Mean 0.01642
Std Dev 0.9419
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

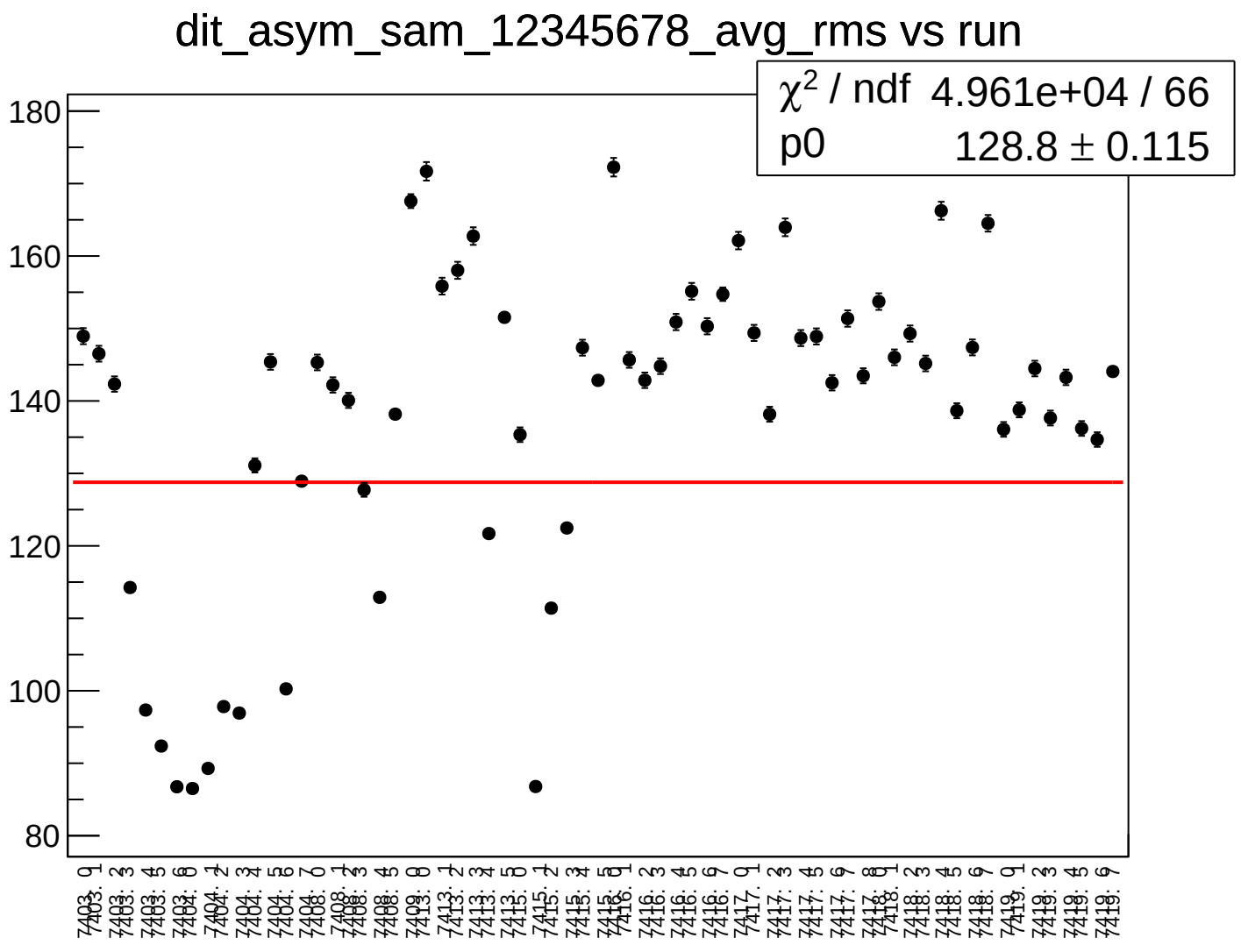

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1683 / 66
p0 152.8 ± 0.1339
165
160
155
150
145
140

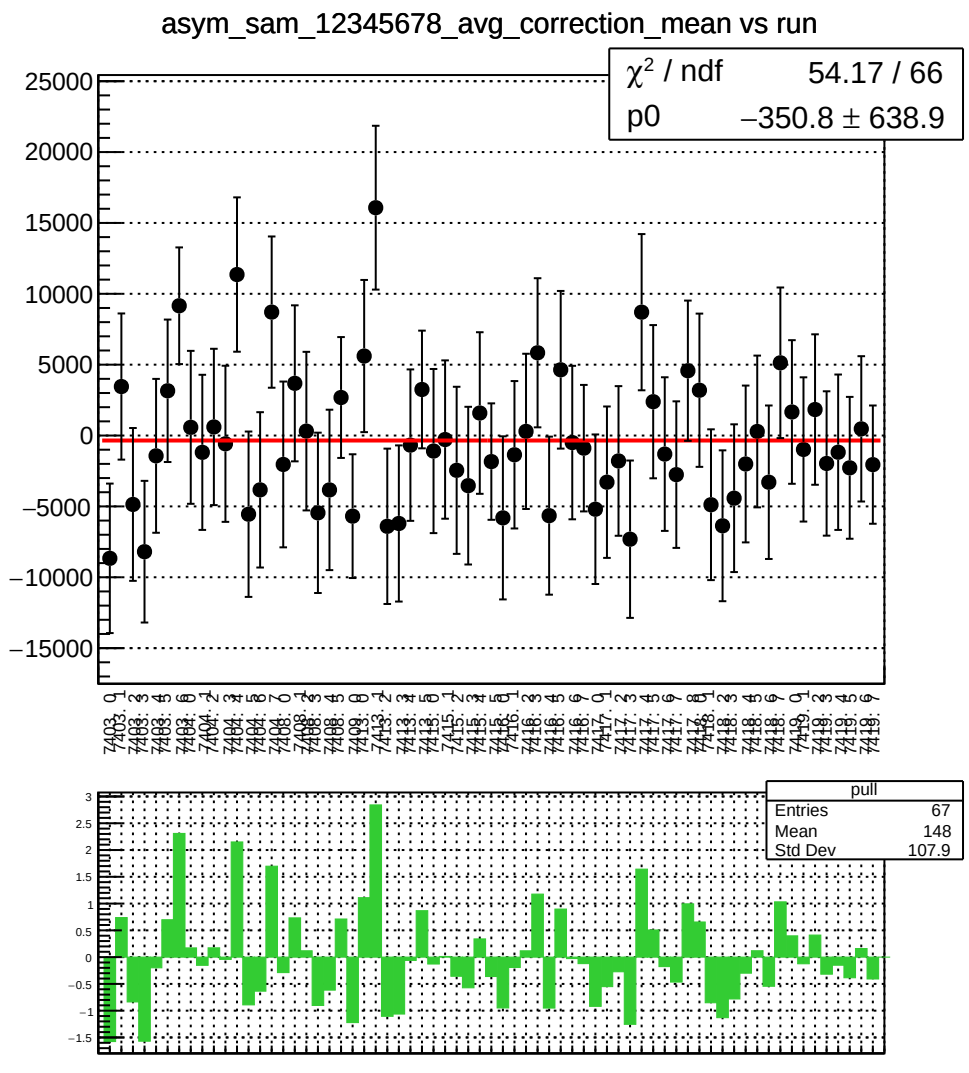

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 65.21 / 66
p0 −101 ± 196
pull
Entries 67
Mean 88.7
Std Dev 47.95

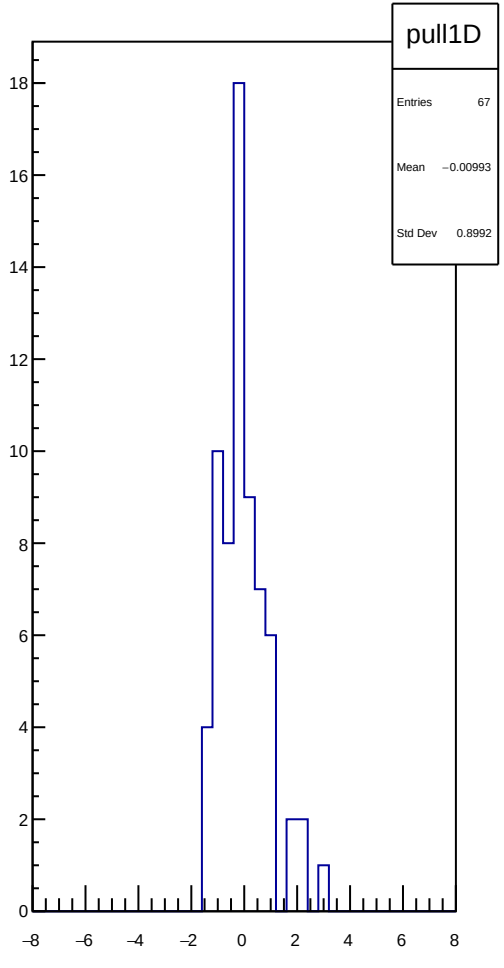

pull1D
Entries 67
Mean −0.02935
Std Dev 0.9861

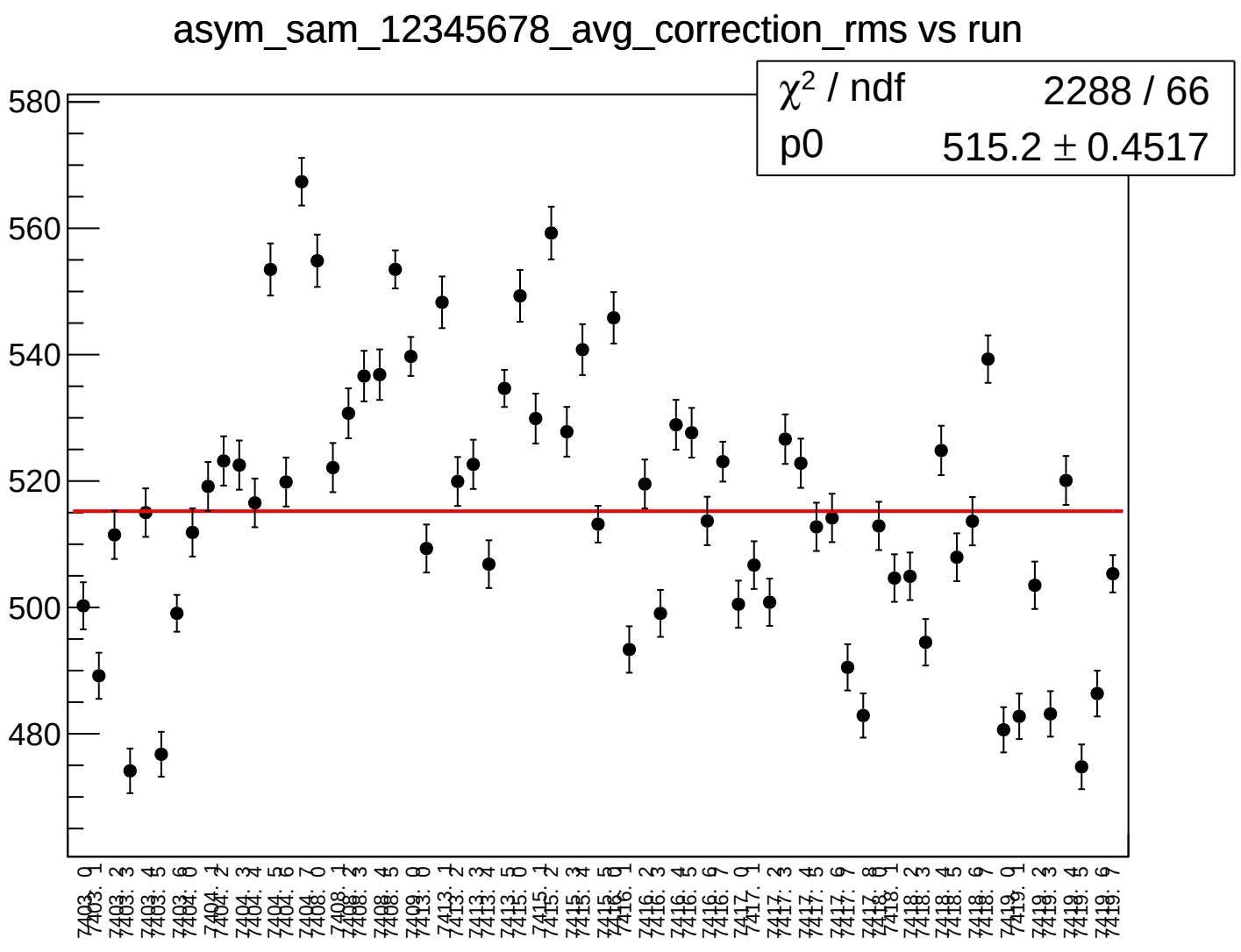

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7650 / 66
p0 157.8 ± 0.1386
180
170
160
150
140
130

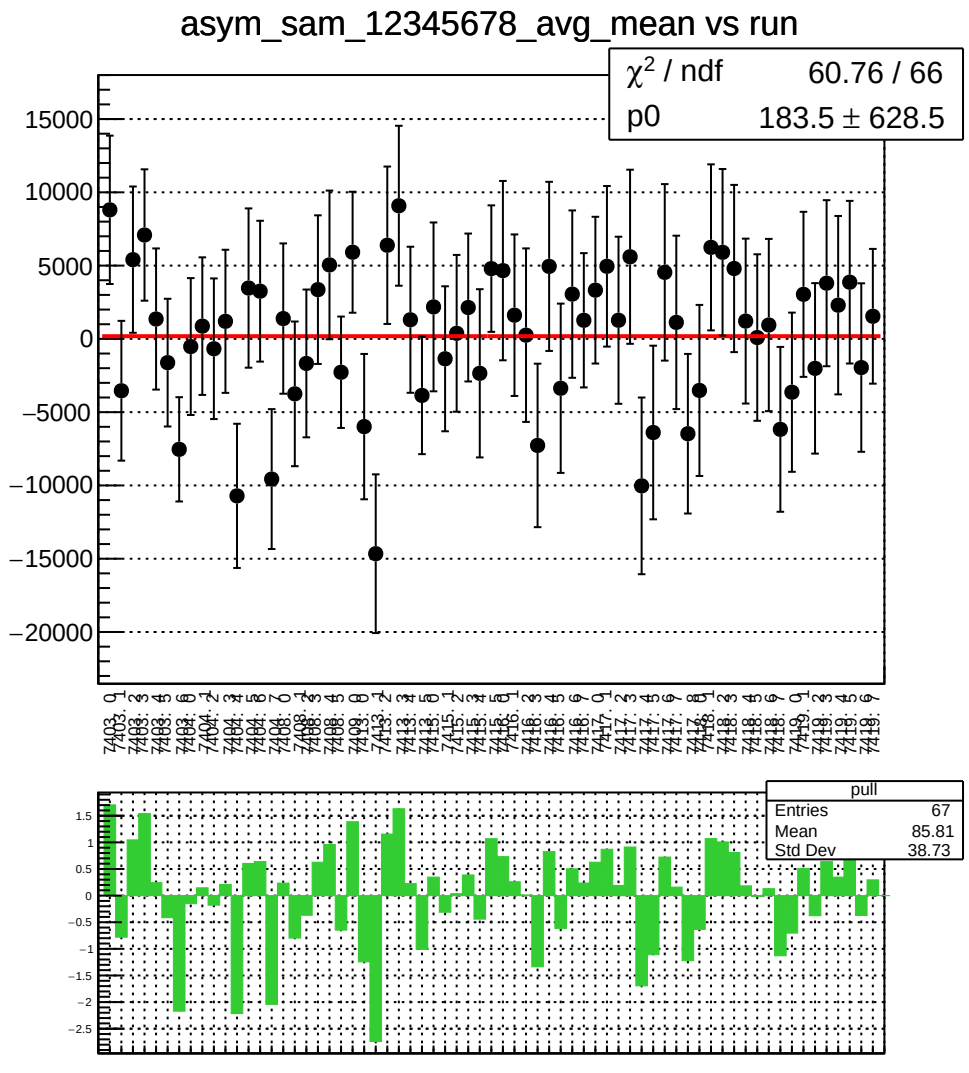

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 56.4 / 66
p0 0.4807 ± 162.7
4000
2000
0
−2000
−4000
pull
Entries 67
Mean 66.75
Std Dev 36.82
pull1D
Entries 67
Mean −0.03371
Std Dev 0.9169
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

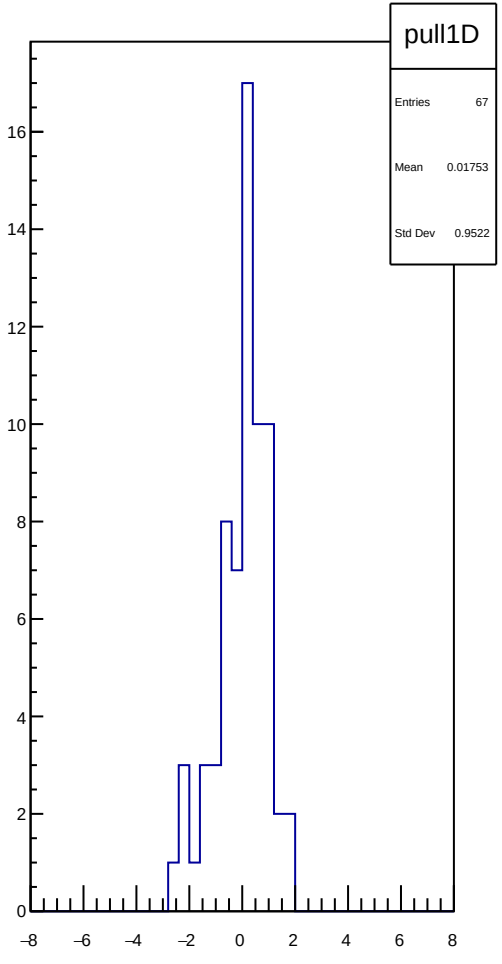

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.961e+04 / 66
p0 128.8 ± 0.115
180
160
140
120
100
80

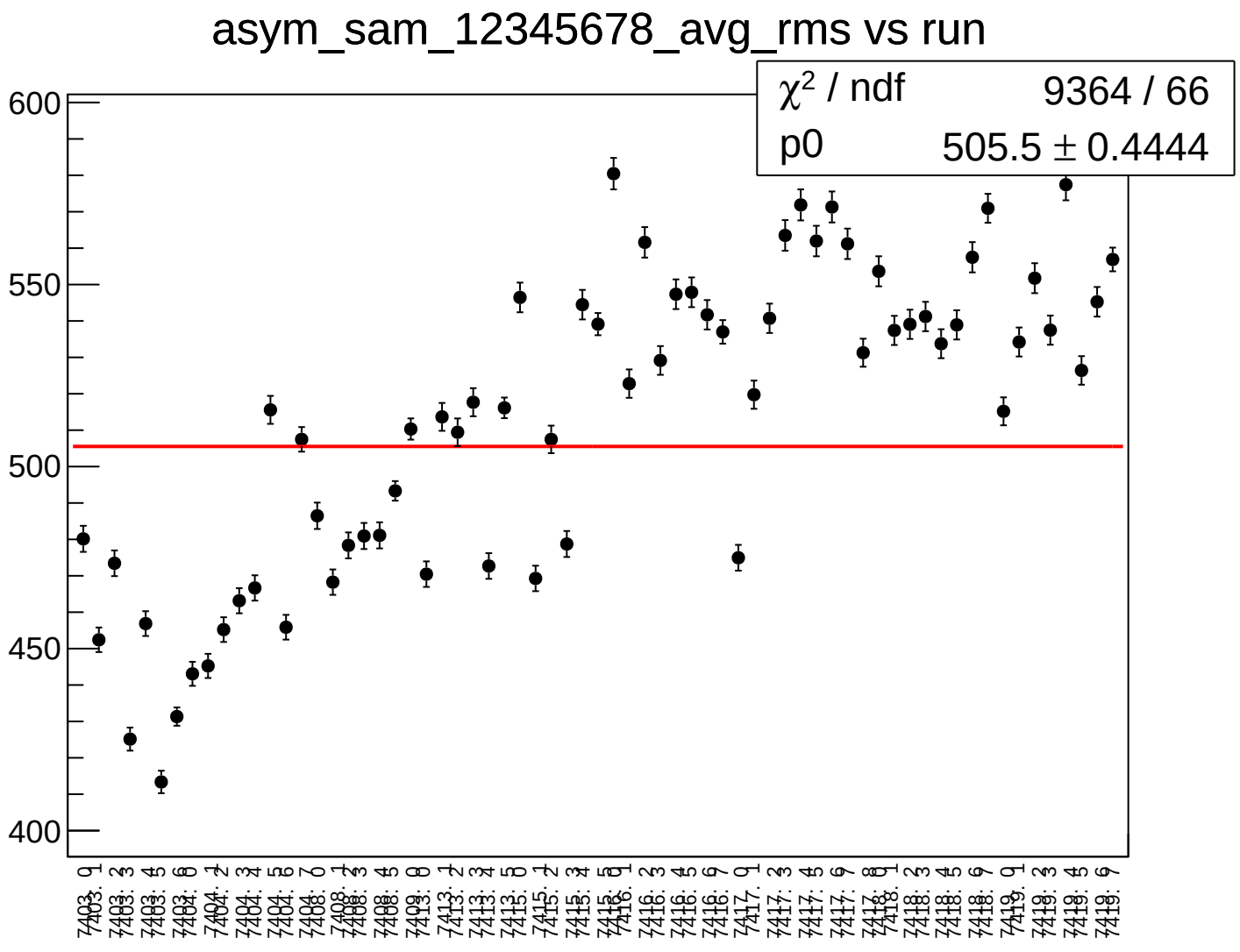

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 54.17 / 66
p0 −350.8 ± 638.9
pull
Entries 67
Mean 148
Std Dev 107.9

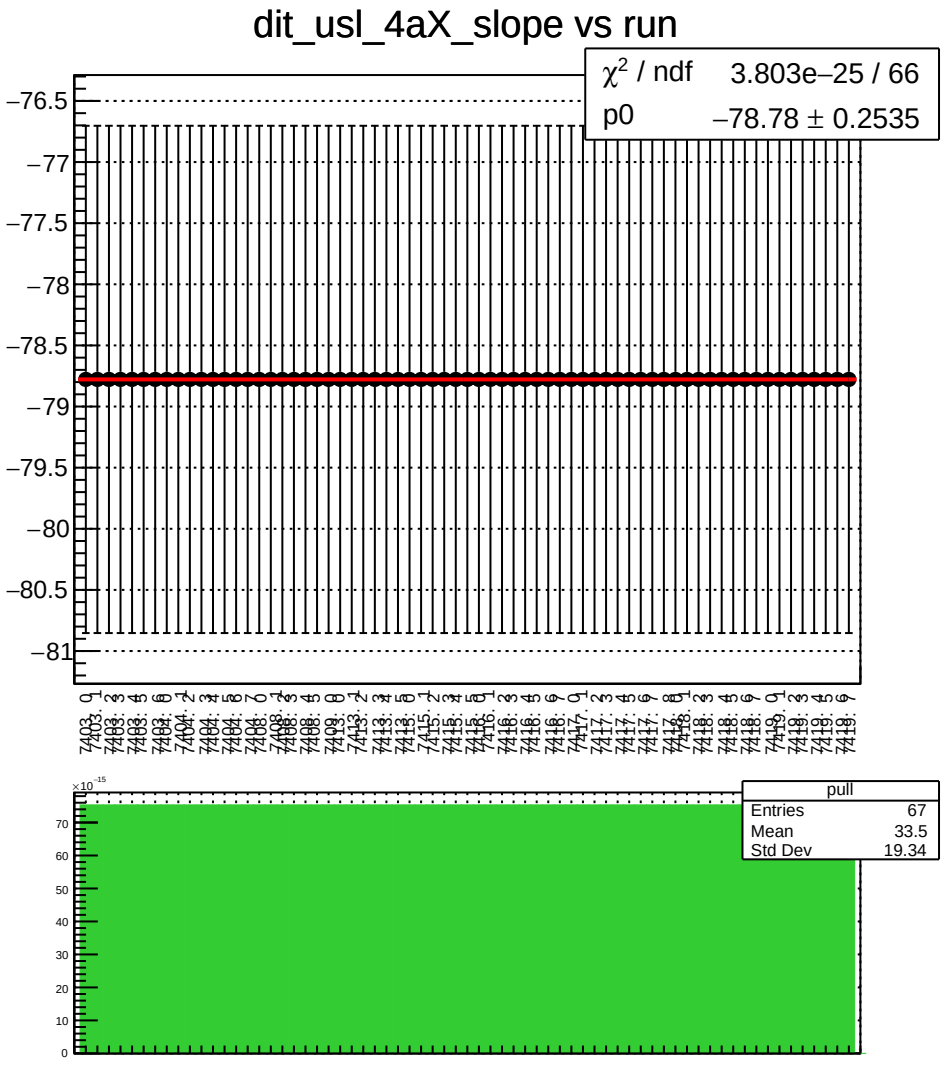

pull1D
Entries 67
Mean −0.00993
Std Dev 0.8992

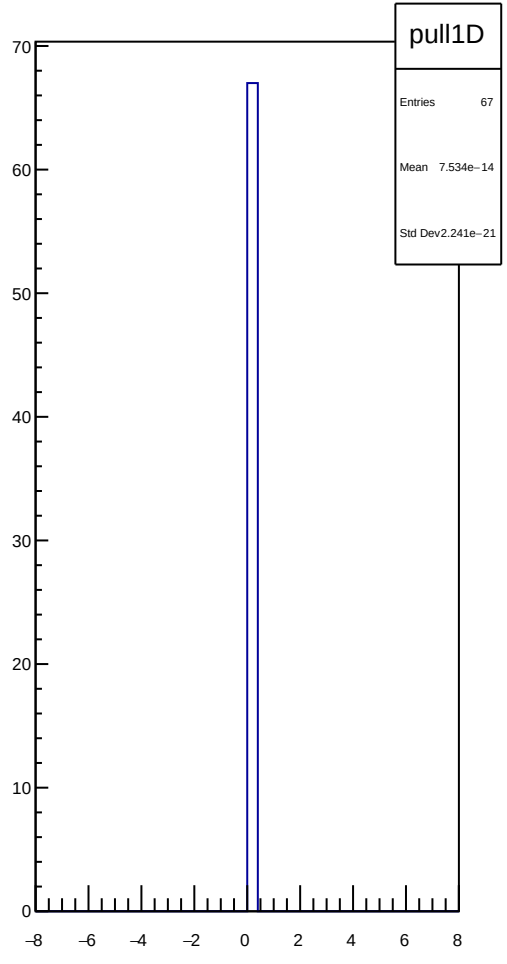

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2288 / 66
p0 515.2 ± 0.4517
580
560
540
520
500
480

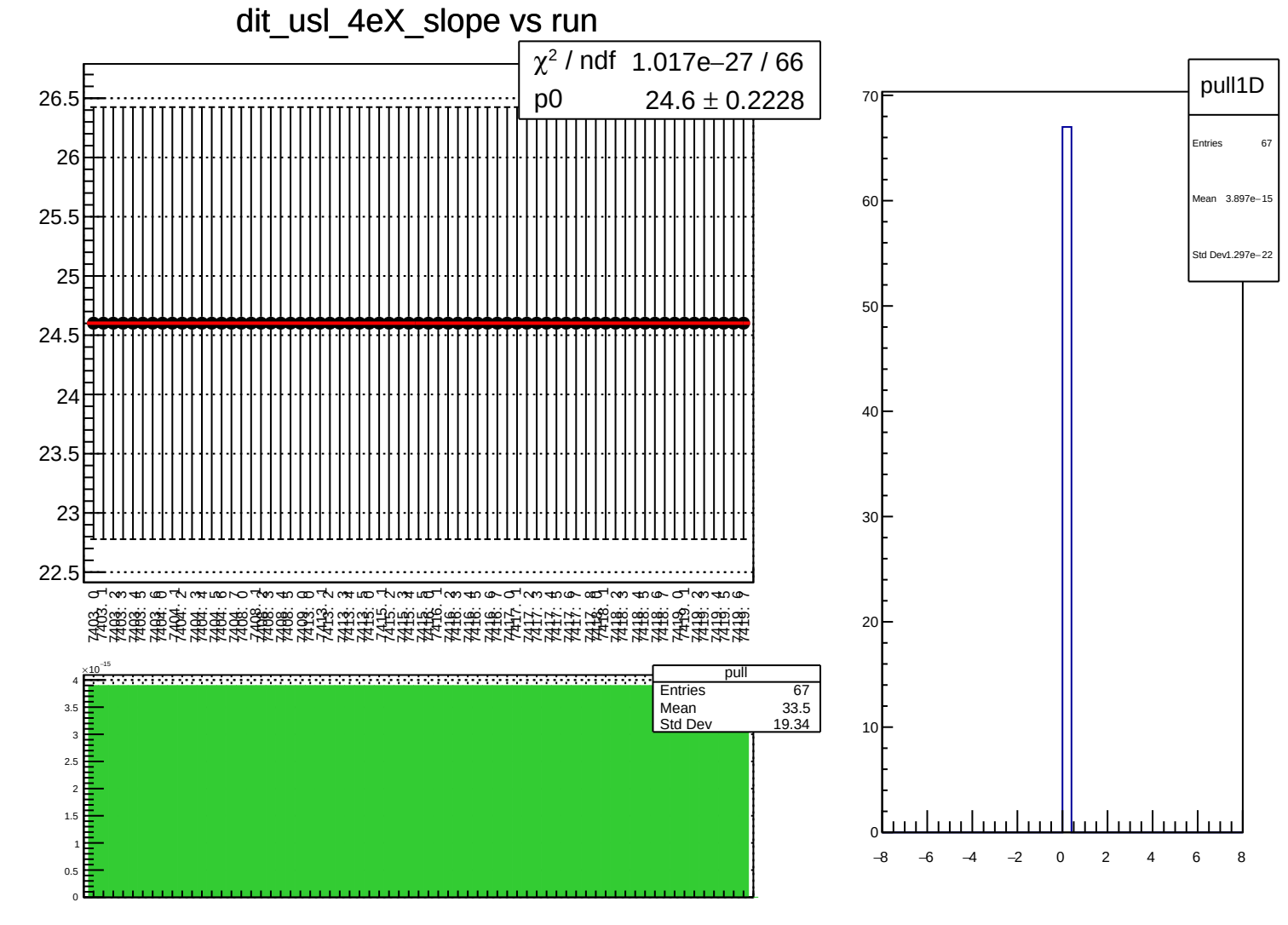

asym_sam_12345678_avg_mean vs run
χ² / ndf 60.76 / 66
p0 183.5 ± 628.5
pull
Entries 67
Mean 85.81
Std Dev 38.73

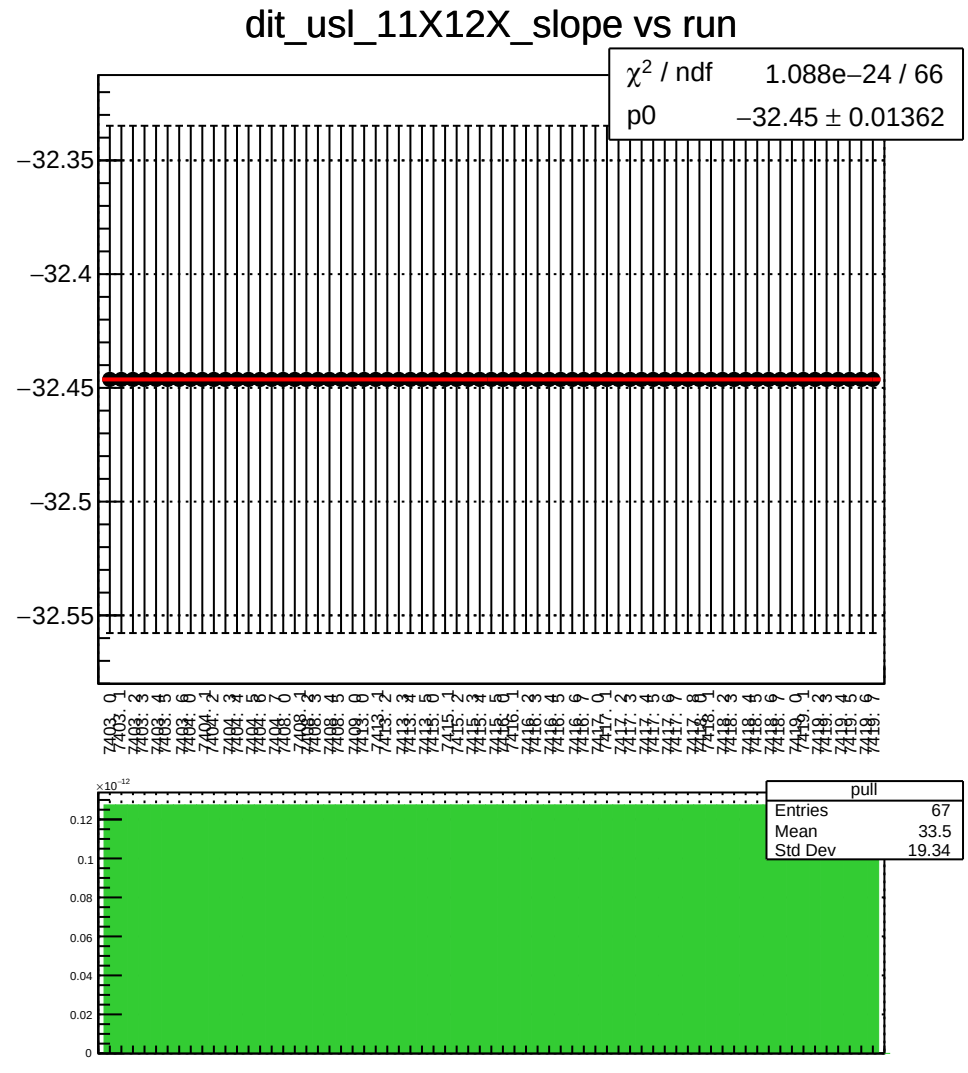

pull1D
Entries 67
Mean 0.01753
Std Dev 0.9522

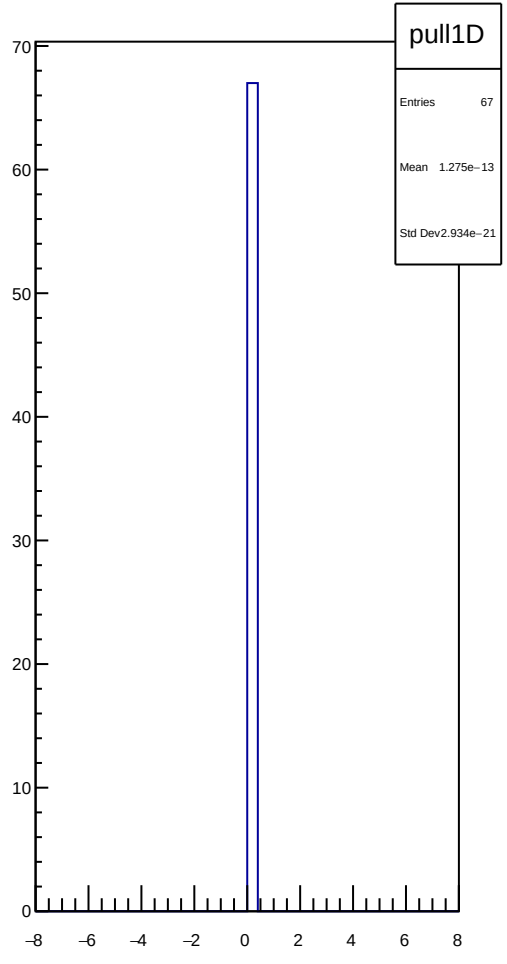

asym_sam_12345678_avg_rms vs run
χ² / ndf 9364 / 66
p0 505.5 ± 0.4444
600
550
500
450
400

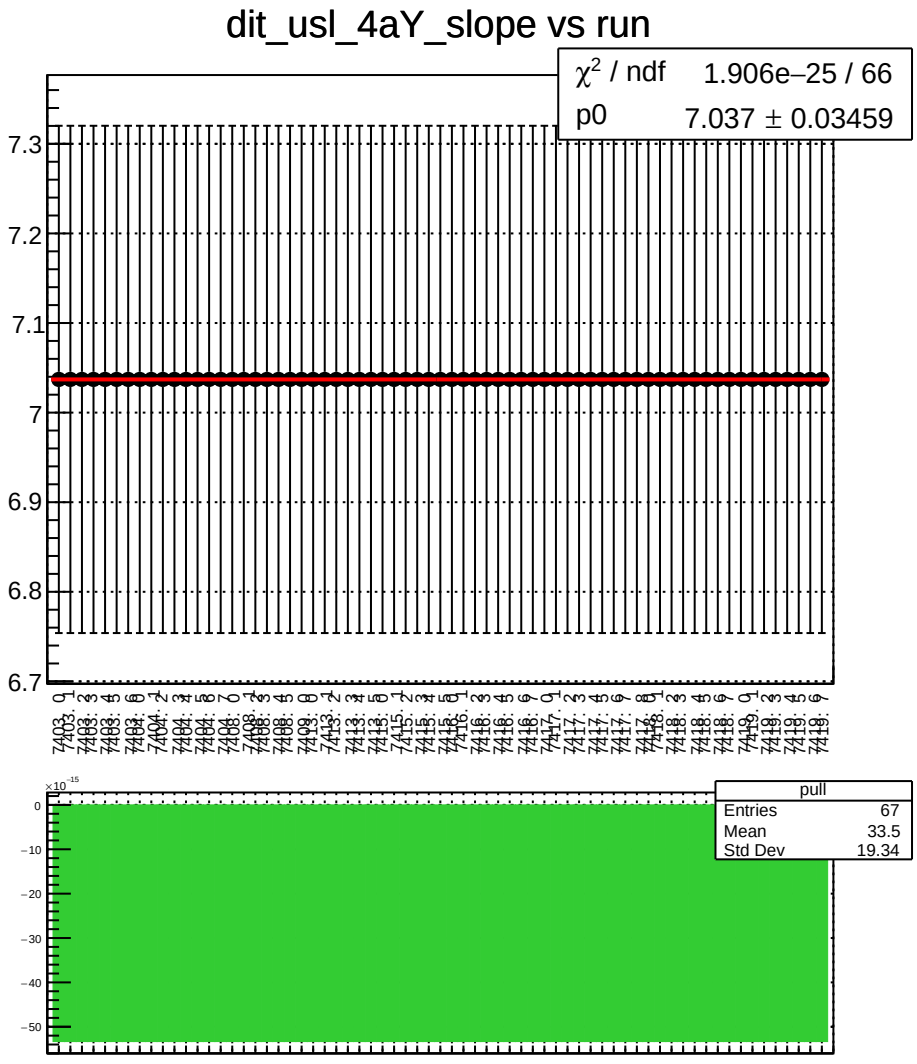

dit_usl_4aX_slope vs run
χ² / ndf 3.803e−25 / 66
p0 −78.78 ± 0.2535
−76.5
−77
−77.5
−78
−78.5
−79
−79.5
−80
−80.5
−81
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
70
60
50
40
30
20
10
0

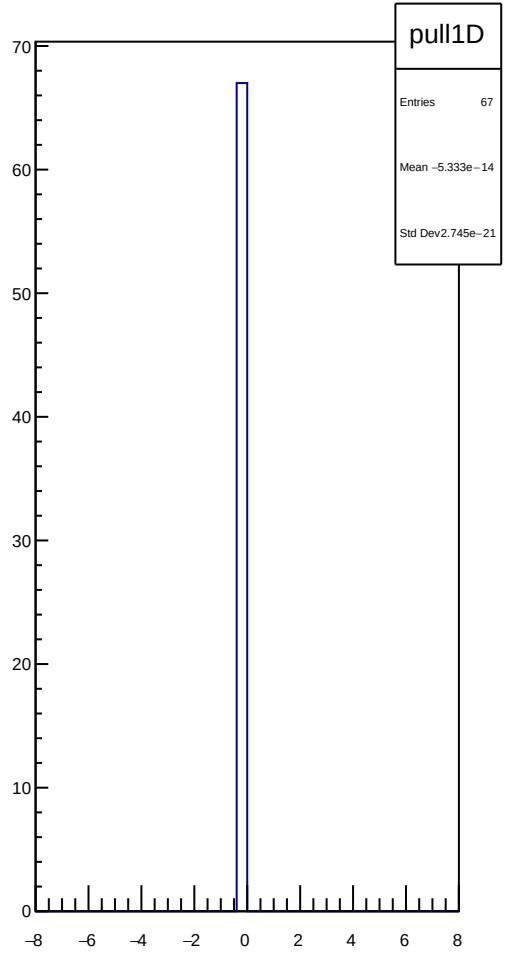

pull1D
Entries 67
Mean 7.534e−14
Std Dev2.241e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

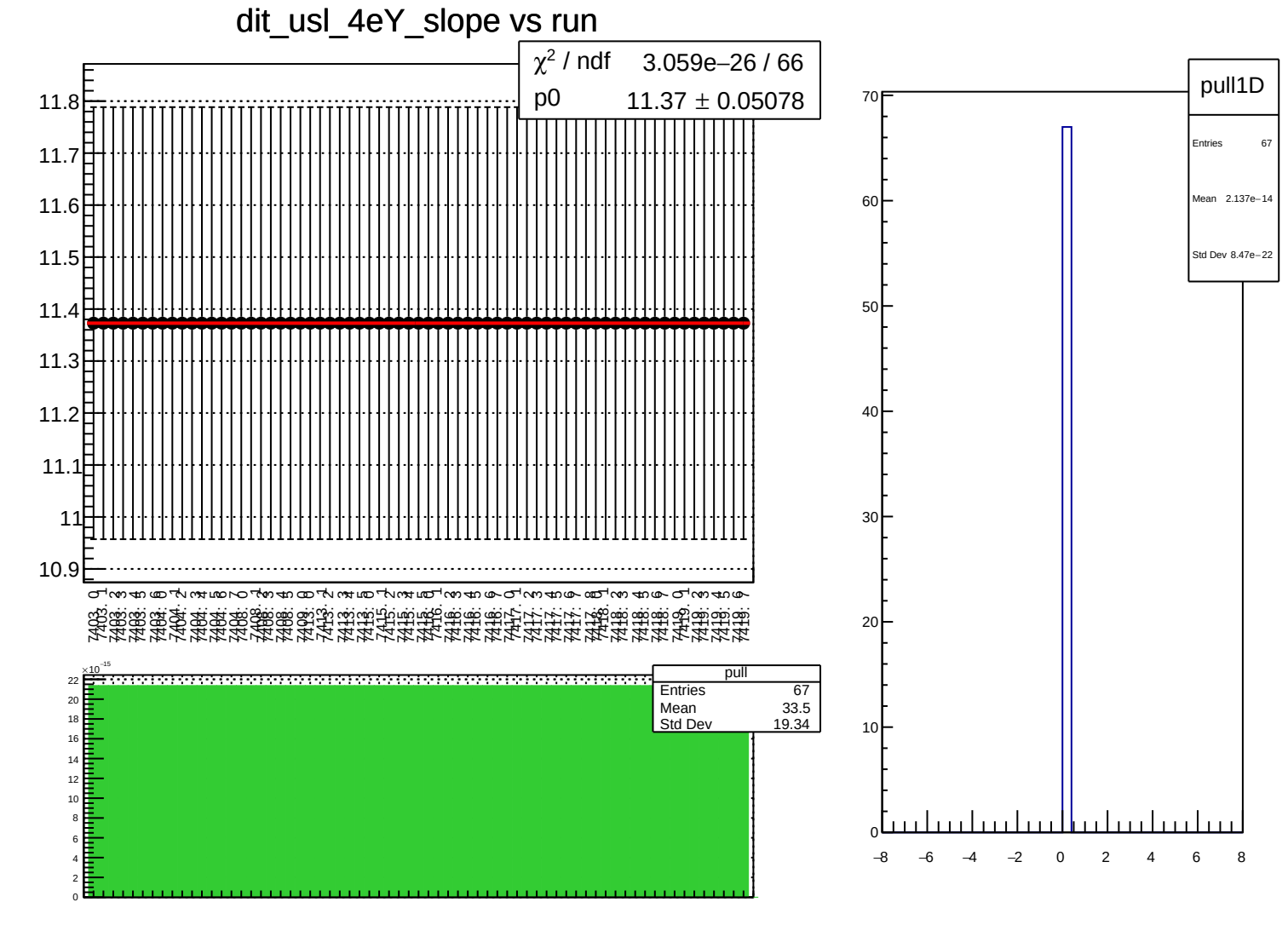

dit_usl_4eX_slope vs run
χ² / ndf 1.017e−27 / 66
p0 24.6 ± 0.2228
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean 3.897e−15
Std Dev1.297e−22

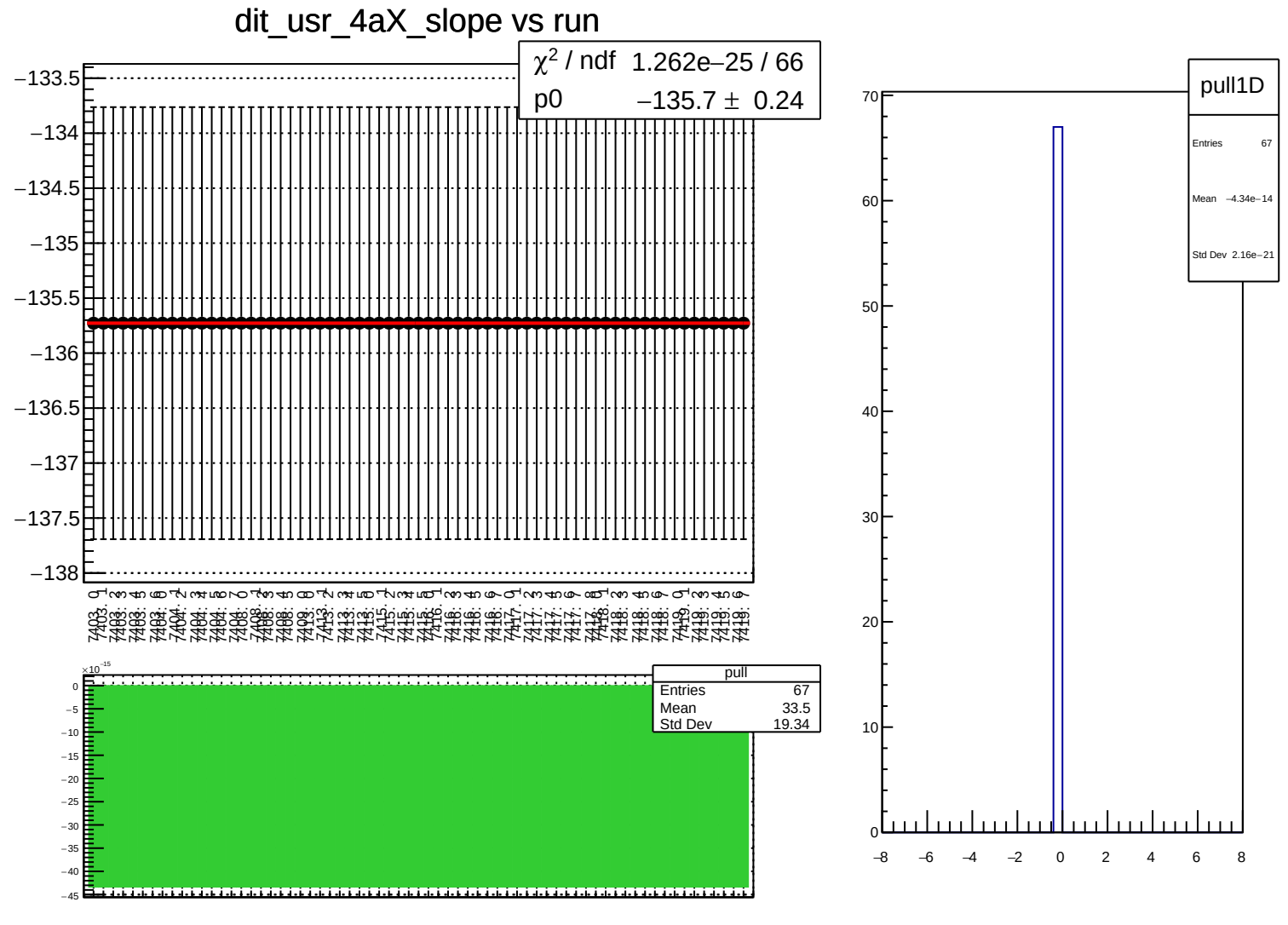

dit_usl_11X12X_slope vs run
χ² / ndf 1.088e−24 / 66
p0 −32.45 ± 0.01362
−32.35
−32.4
−32.45
−32.5
−32.55
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

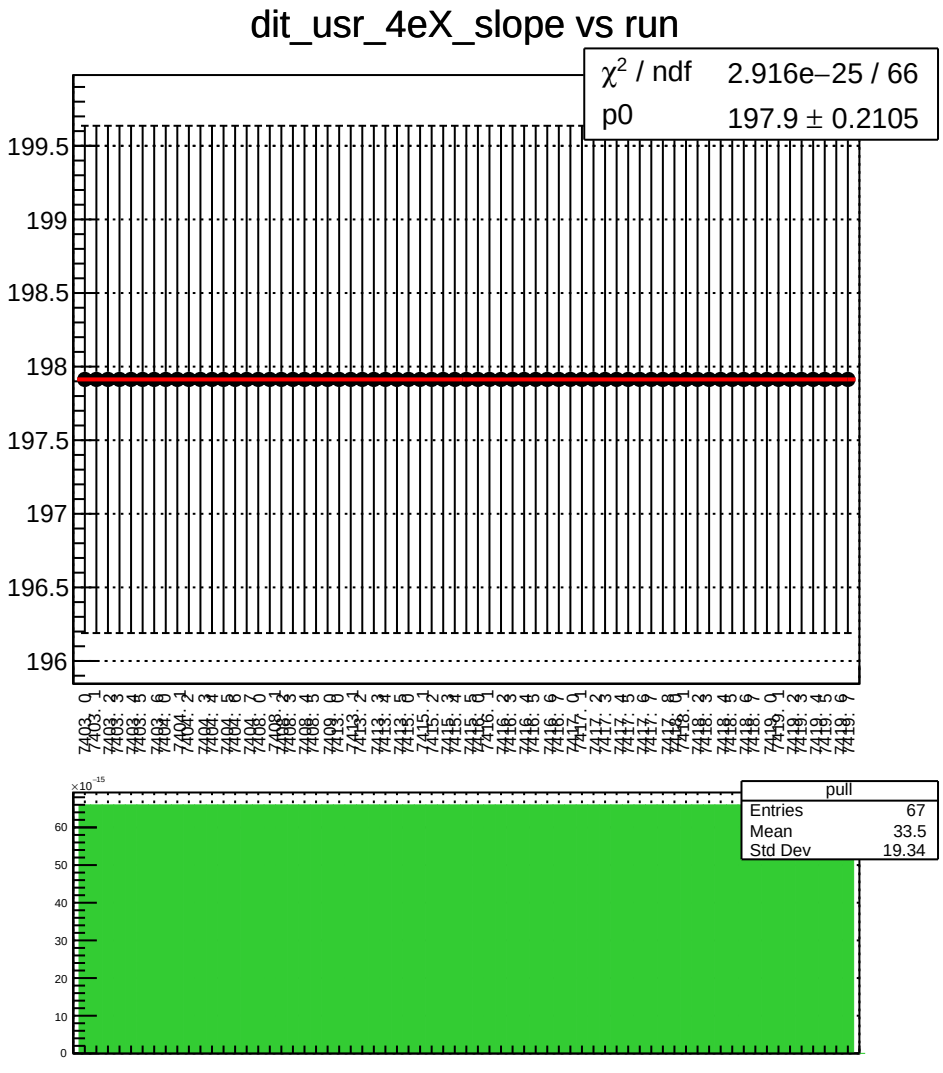

pull1D
Entries 67
Mean 1.275e−13
Std Dev2.934e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

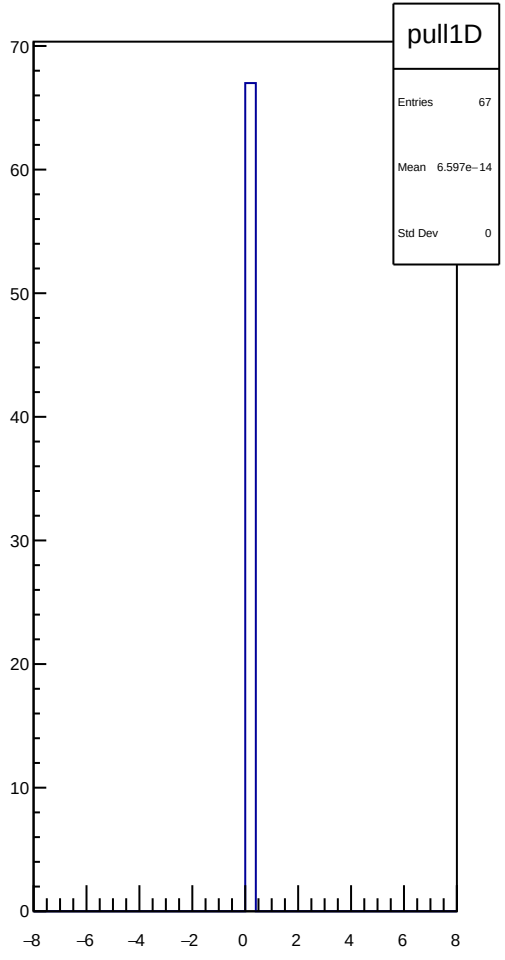

dit_usl_4aY_slope vs run
χ² / ndf 1.906e−25 / 66
p0 7.037 ± 0.03459
7.3
7.2
7.1
7
6.9
6.8
6.7
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−10
−20
−30
−40
−50

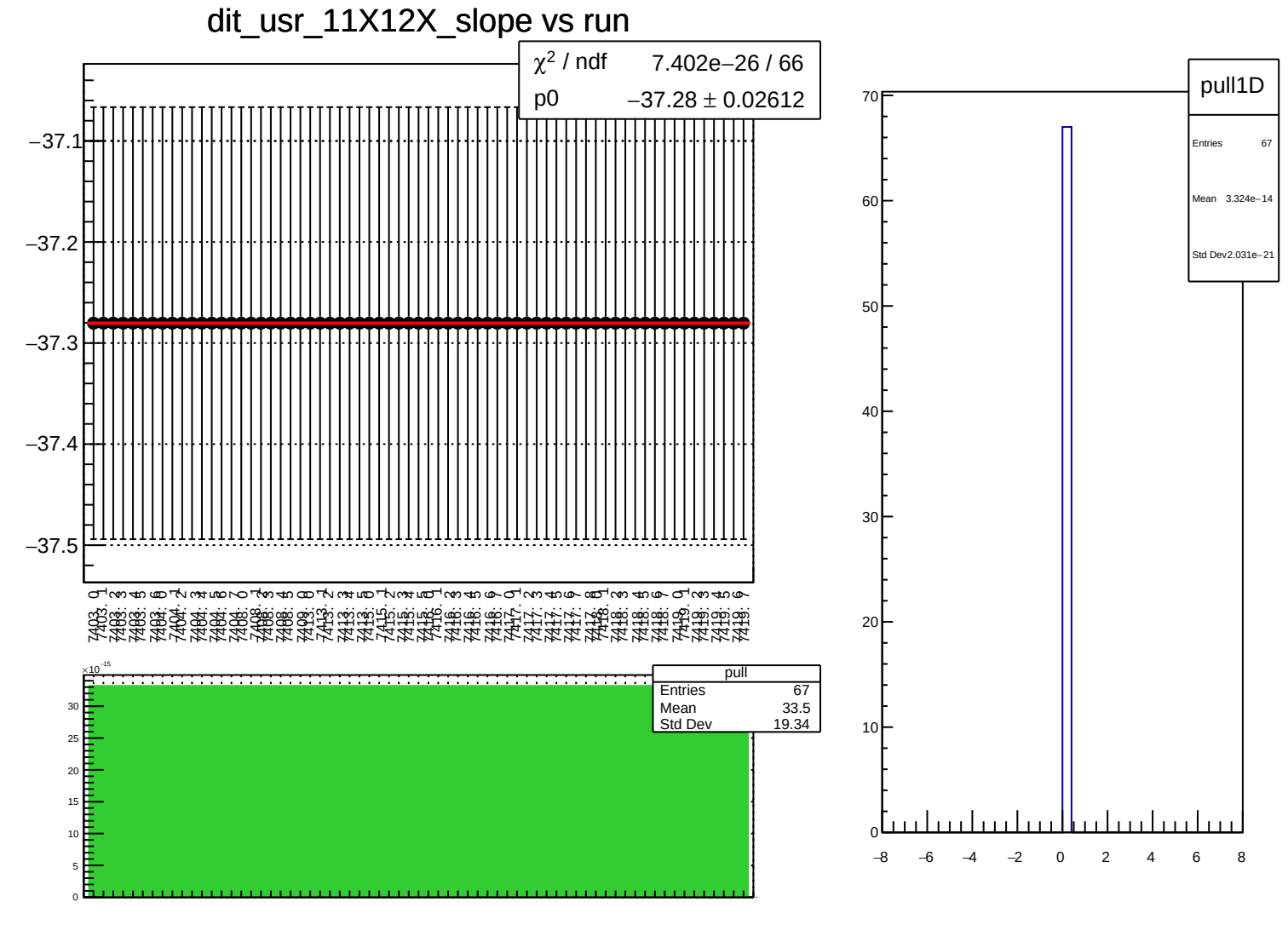

pull1D
Entries 67
Mean −5.333e−14
Std Dev2.745e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

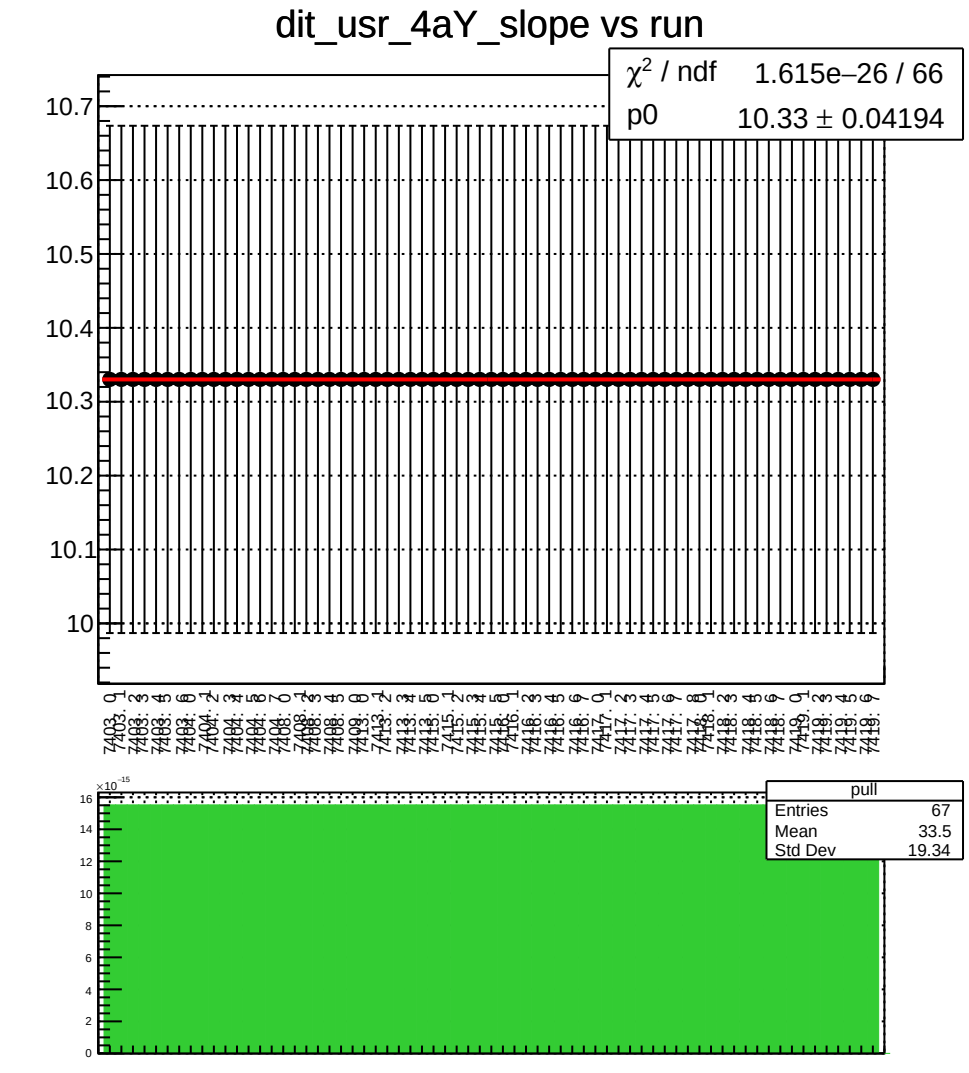

dit_usl_4eY_slope vs run
χ² / ndf 3.059e−26 / 66
p0 11.37 ± 0.05078
11.8
11.7
11.6
11.5
11.4
11.3
11.2
11.1
11
10.9
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 67
Mean 2.137e−14
Std Dev 8.47e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

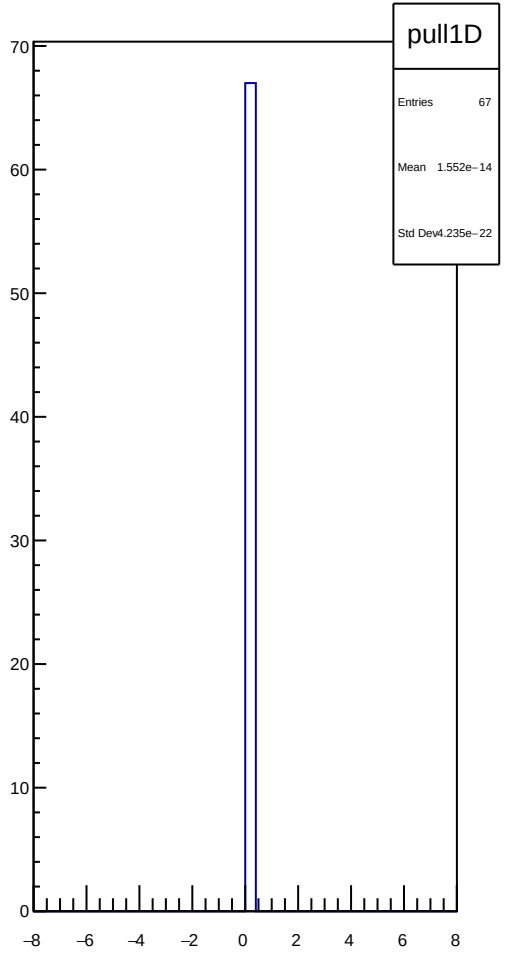

dit_usr_4aX_slope vs run
χ² / ndf 1.262e−25 / 66
p0 −135.7 ± 0.24
−133.5
−134
−134.5
−135
−135.5
−136
−136.5
−137
−137.5
−138
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean −4.34e−14
Std Dev 2.16e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_4eX_slope vs run
χ² / ndf 2.916e−25 / 66
p0 197.9 ± 0.2105
199.5
199
198.5
198
197.5
197
196.5
196
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
60
50
40
30
20
10
0


pull1D
Entries 67
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 7.402e−26 / 66
p0 −37.28 ± 0.02612
−37.1
−37.2
−37.3
−37.4
−37.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
pull1D
Entries 67
Mean 3.324e−14
Std Dev2.031e−21


dit_usr_4aY_slope vs run
χ² / ndf 1.615e−26 / 66
p0 10.33 ± 0.04194
10.7
10.6
10.5
10.4
10.3
10.2
10.1
10
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
16
14
12
10
8
6
4
2
0


pull1D
Entries 67
Mean 1.552e−14
Std Dev 4.235e−22
70
60
50
40
30
20
10
0
−8
−6
−4
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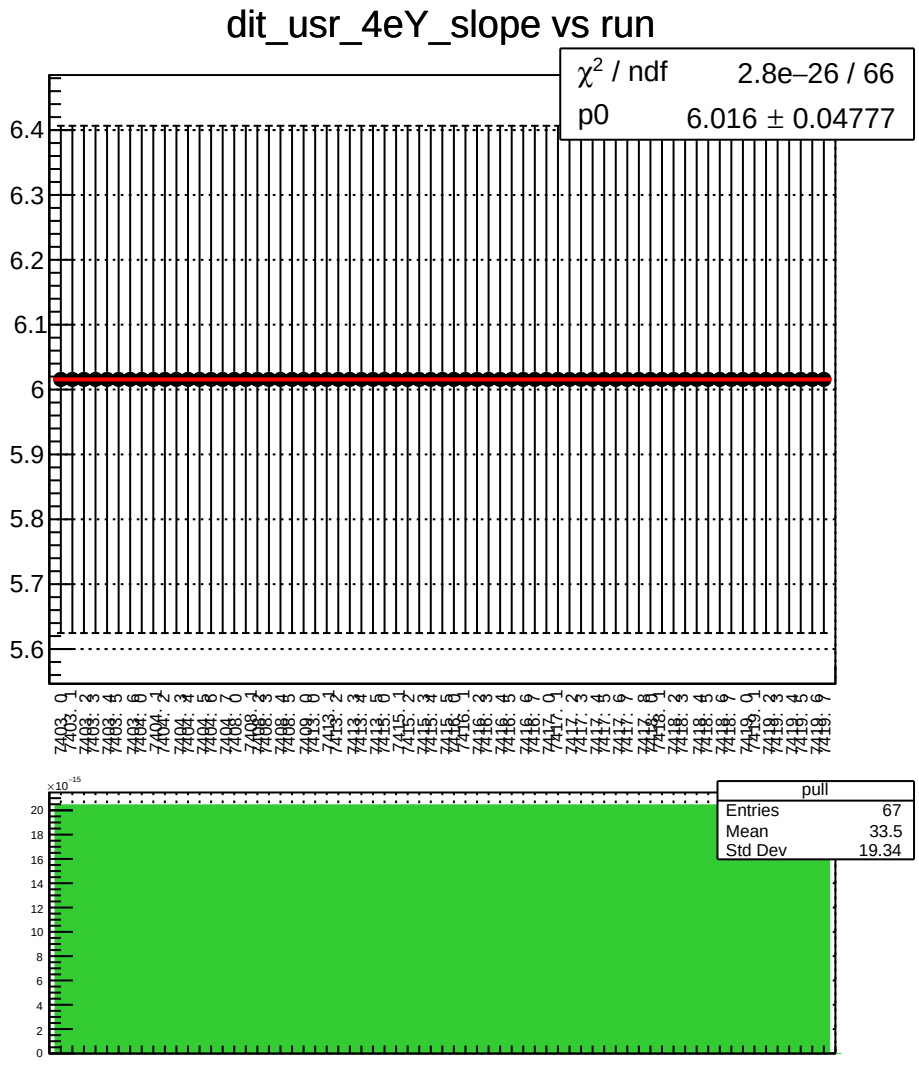
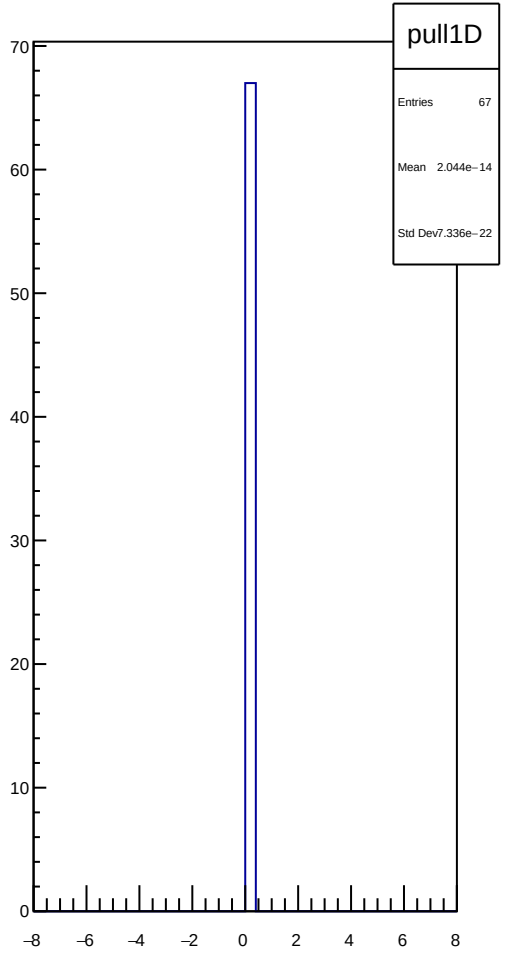
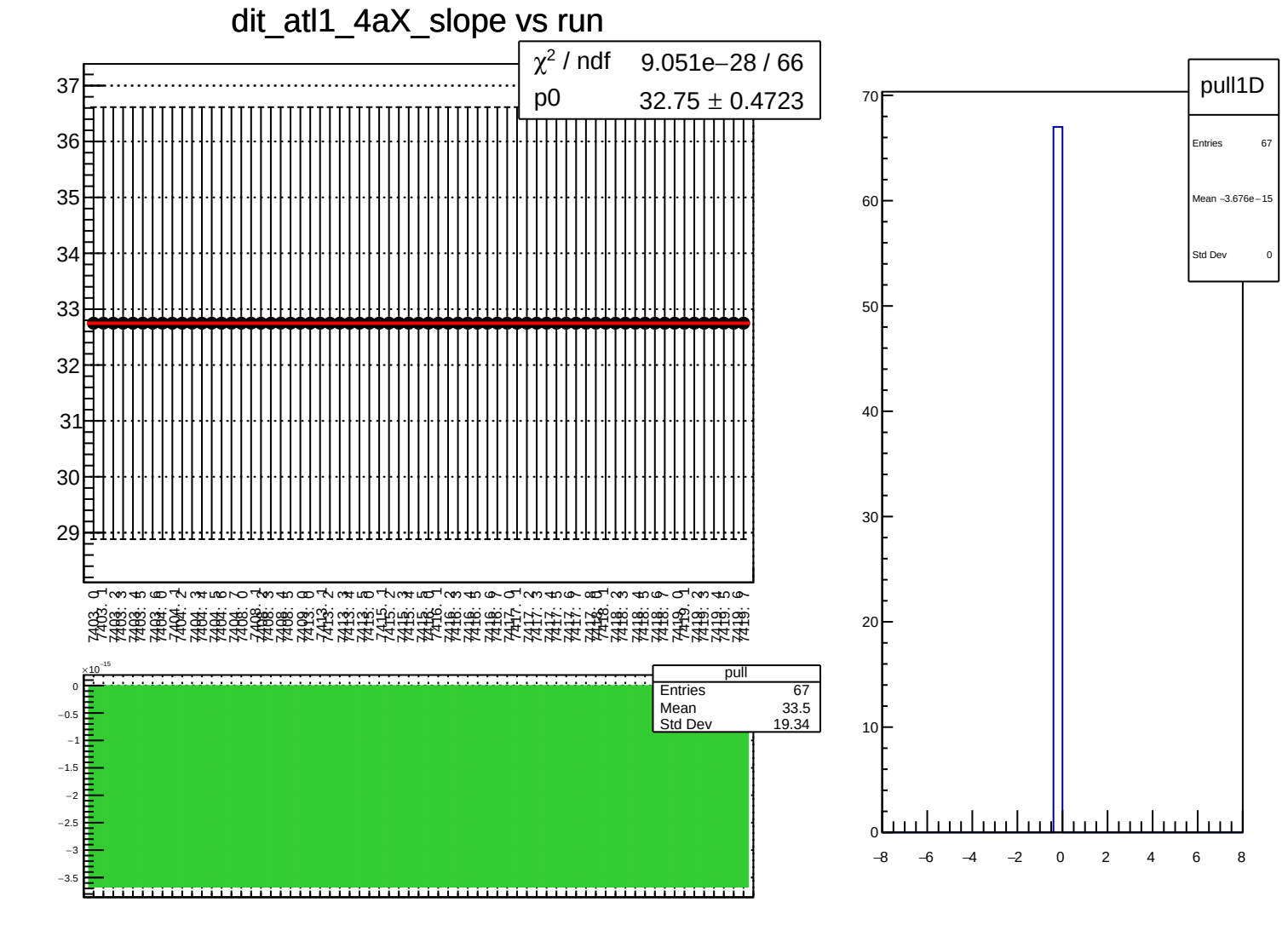
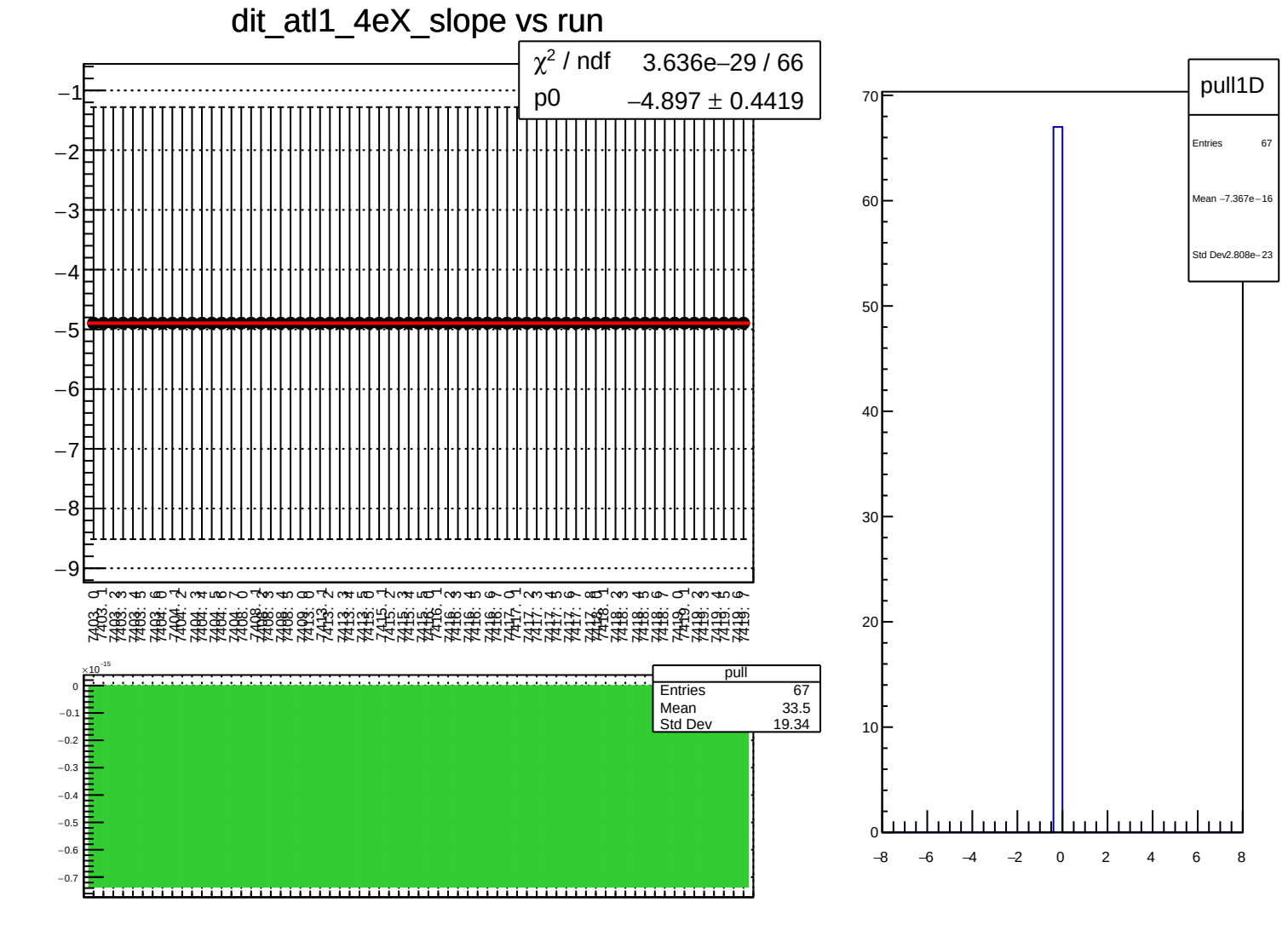
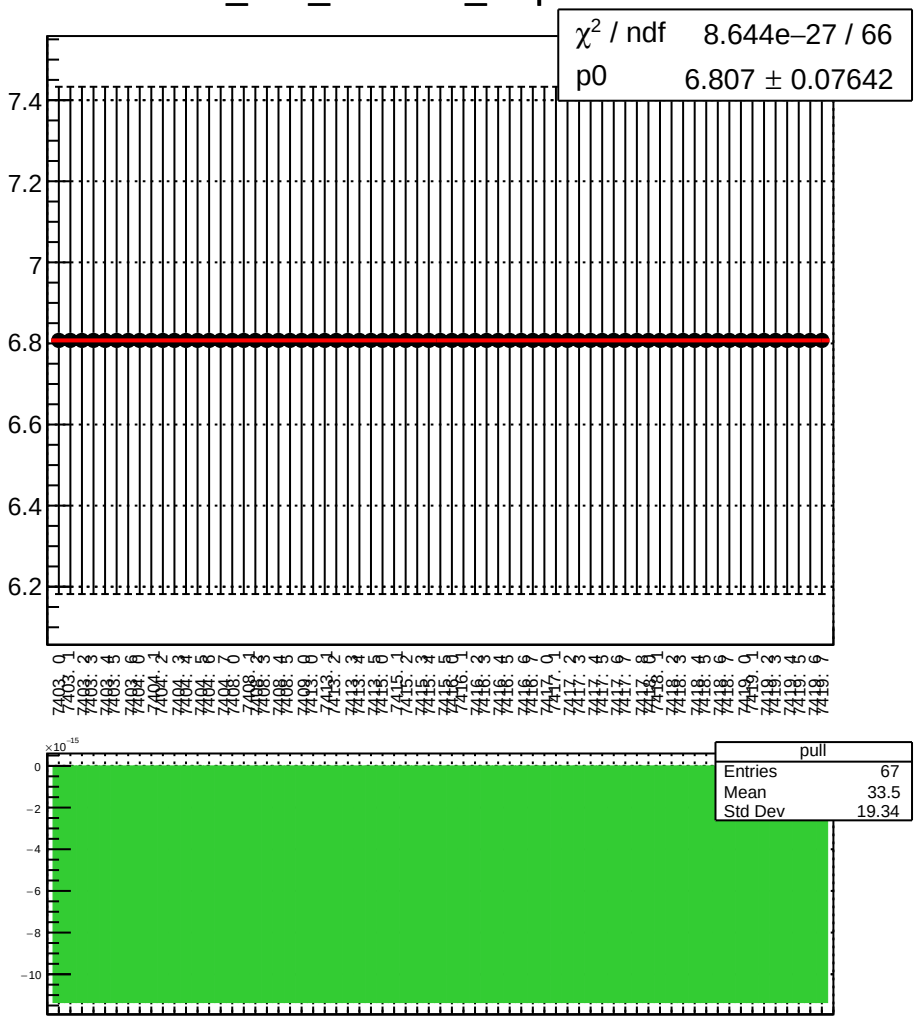
0
2
4
6
8

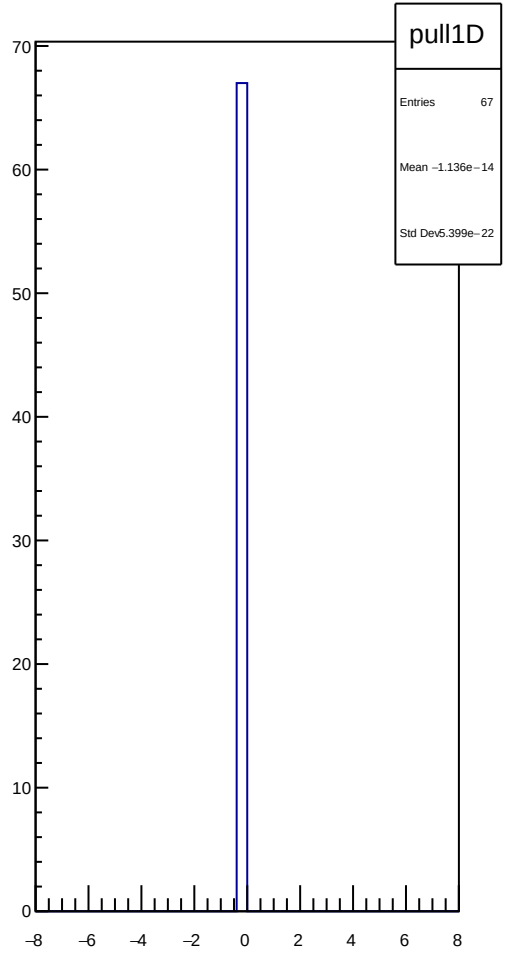

dit_usr_4eY_slope vs run
χ² / ndf 2.8e−26 / 66
p0 6.016 ± 0.04777
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵

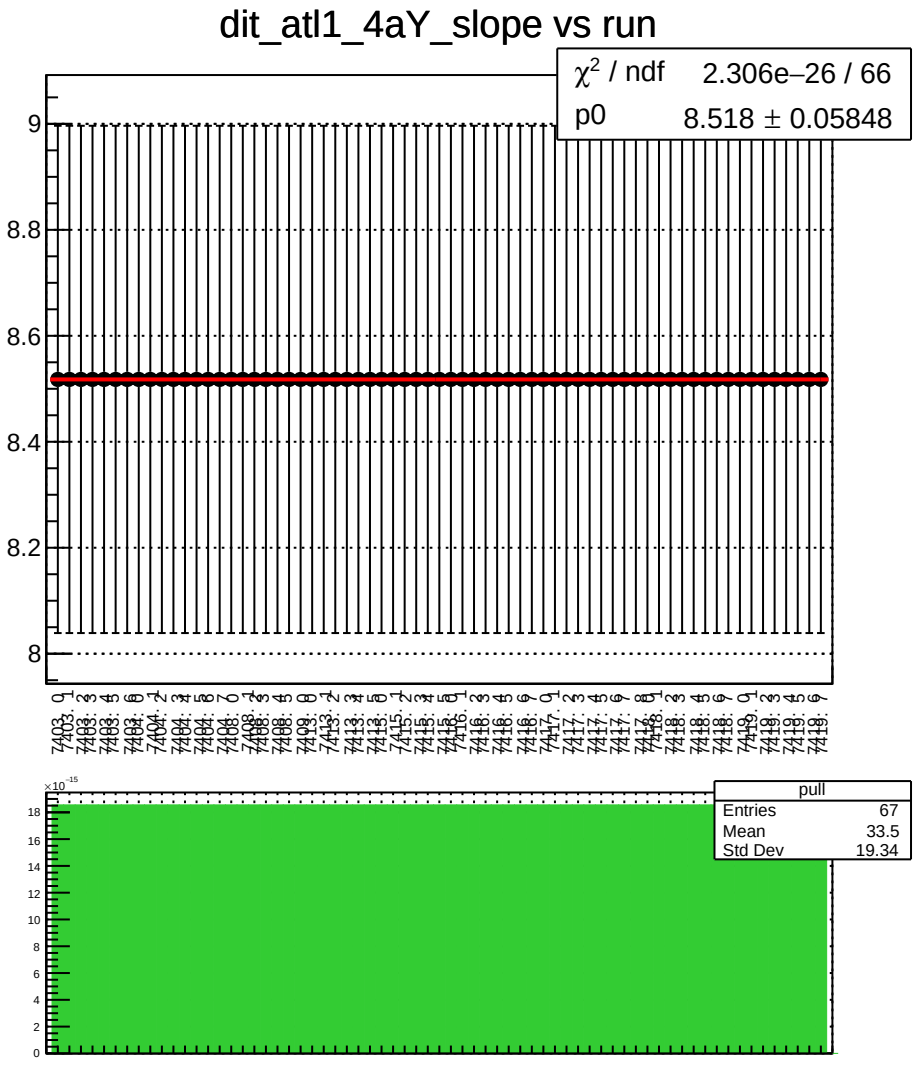

pull1D
Entries 67
Mean 2.044e−14
Std Dev7.336e−22

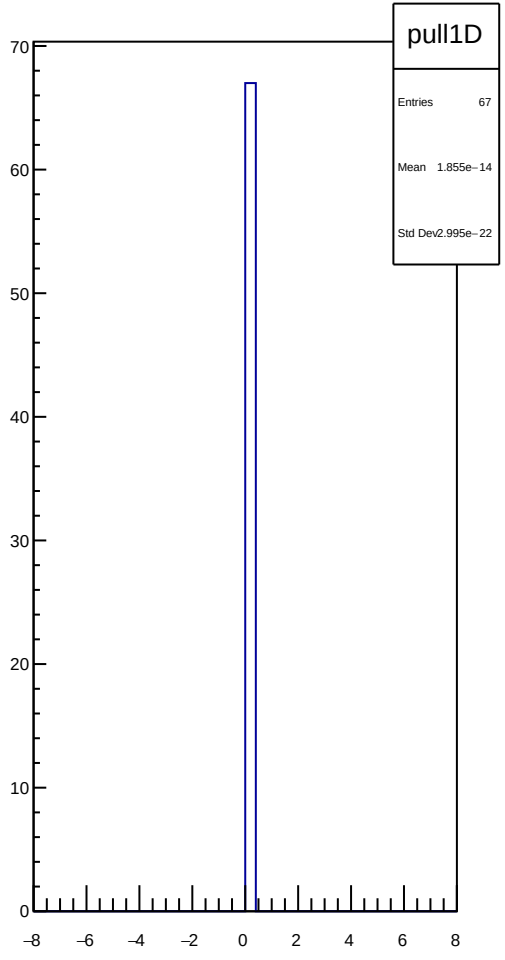

dit_atl1_4aX_slope vs run
χ² / ndf 9.051e−28 / 66
p0 32.75 ± 0.4723
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean −3.676e−15
Std Dev 0

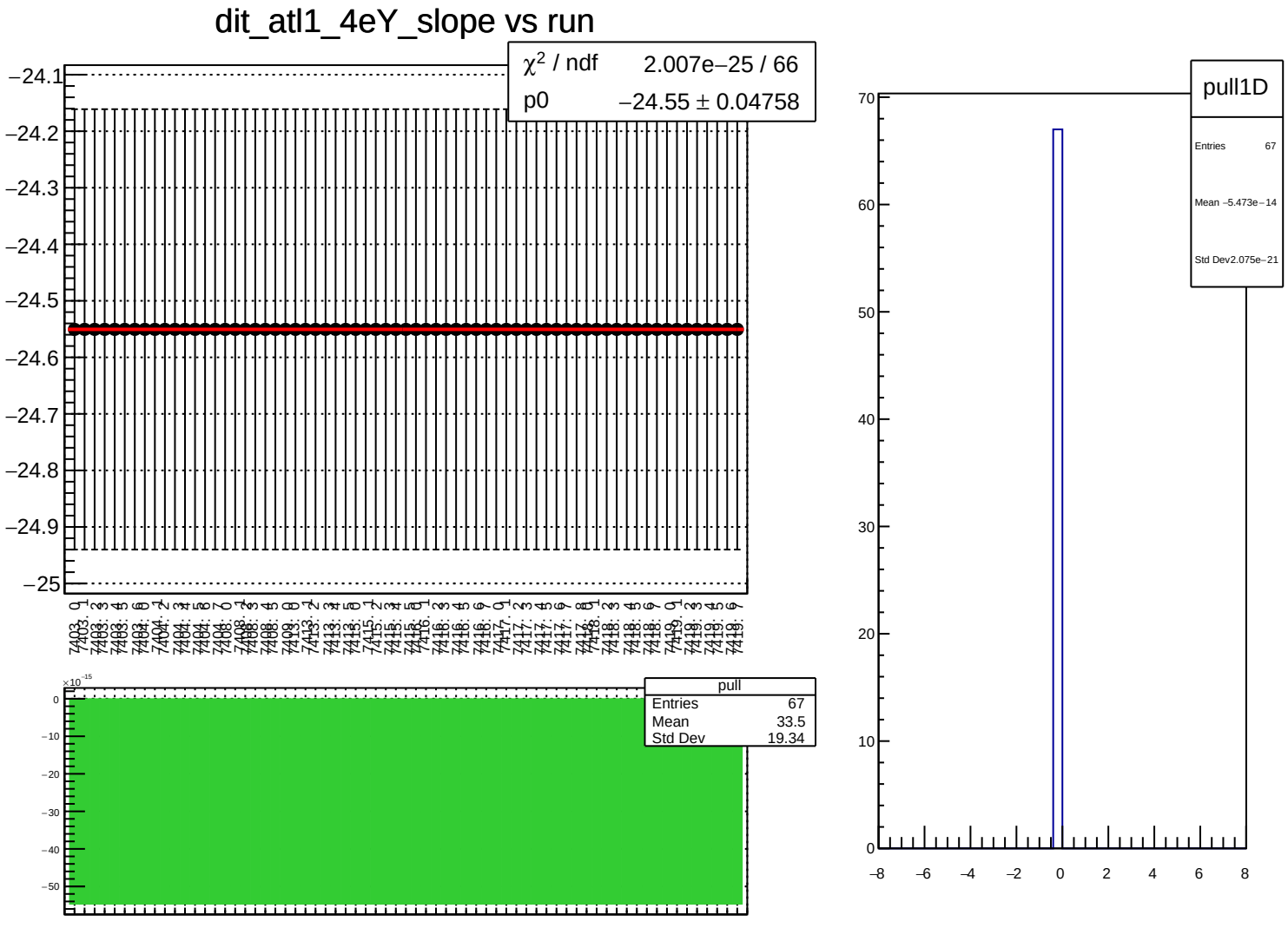

dit_atl1_4eX_slope vs run
χ² / ndf 3.636e−29 / 66
p0 −4.897 ± 0.4419
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean −7.367e−16
Std Dev2.808e−23

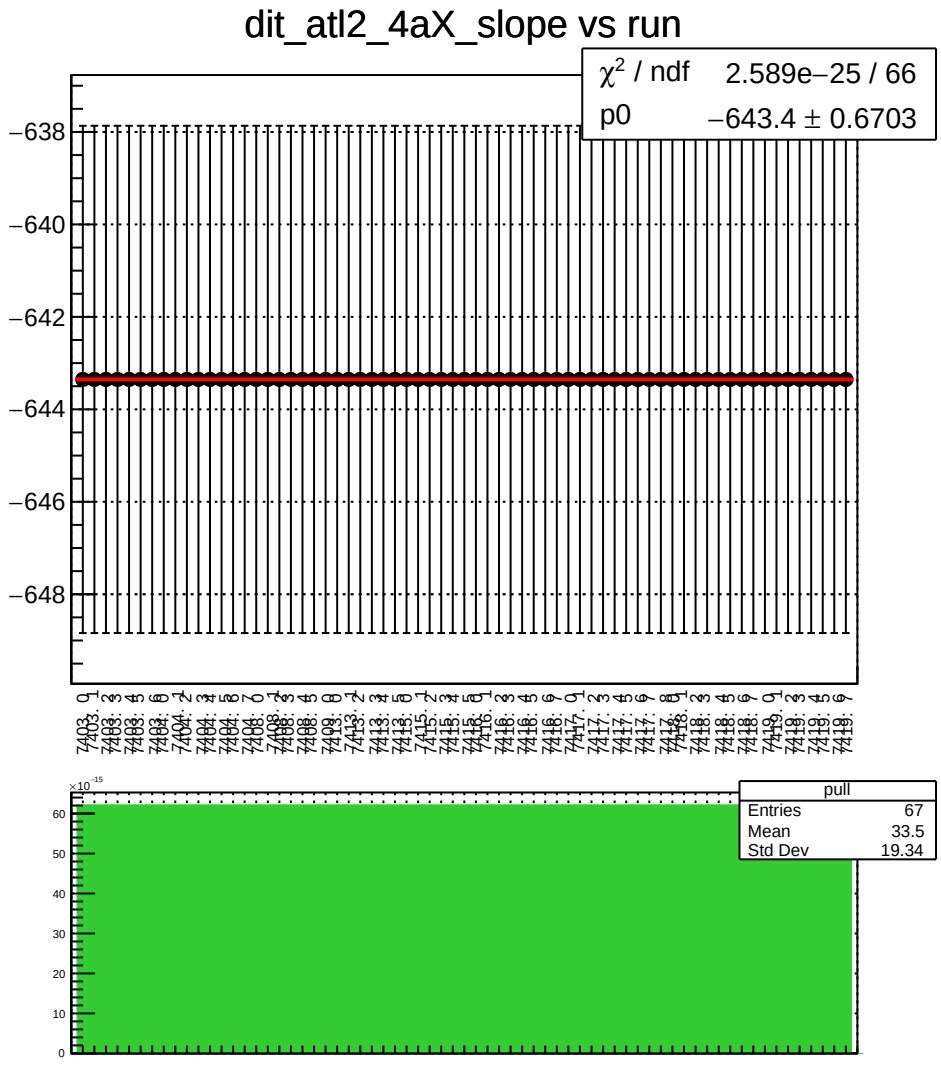

dit_atl1_11X12X_slope vs run
χ² / ndf 8.644e−27 / 66
p0 6.807 ± 0.07642
7.4
7.2
7
6.8
6.6
6.4
6.2
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−2
−4
−6
−8
−10

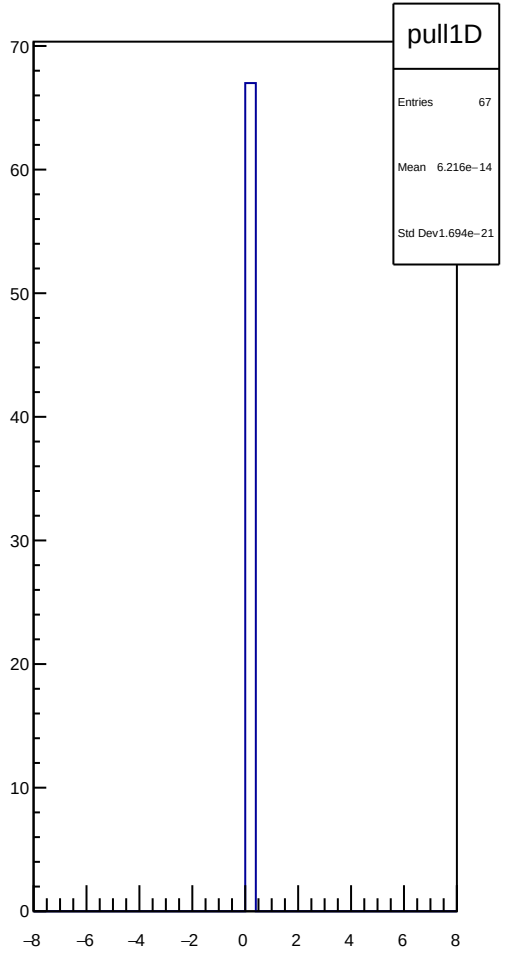

pull1D
Entries 67
Mean −1.136e−14
Std Dev 5.399e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

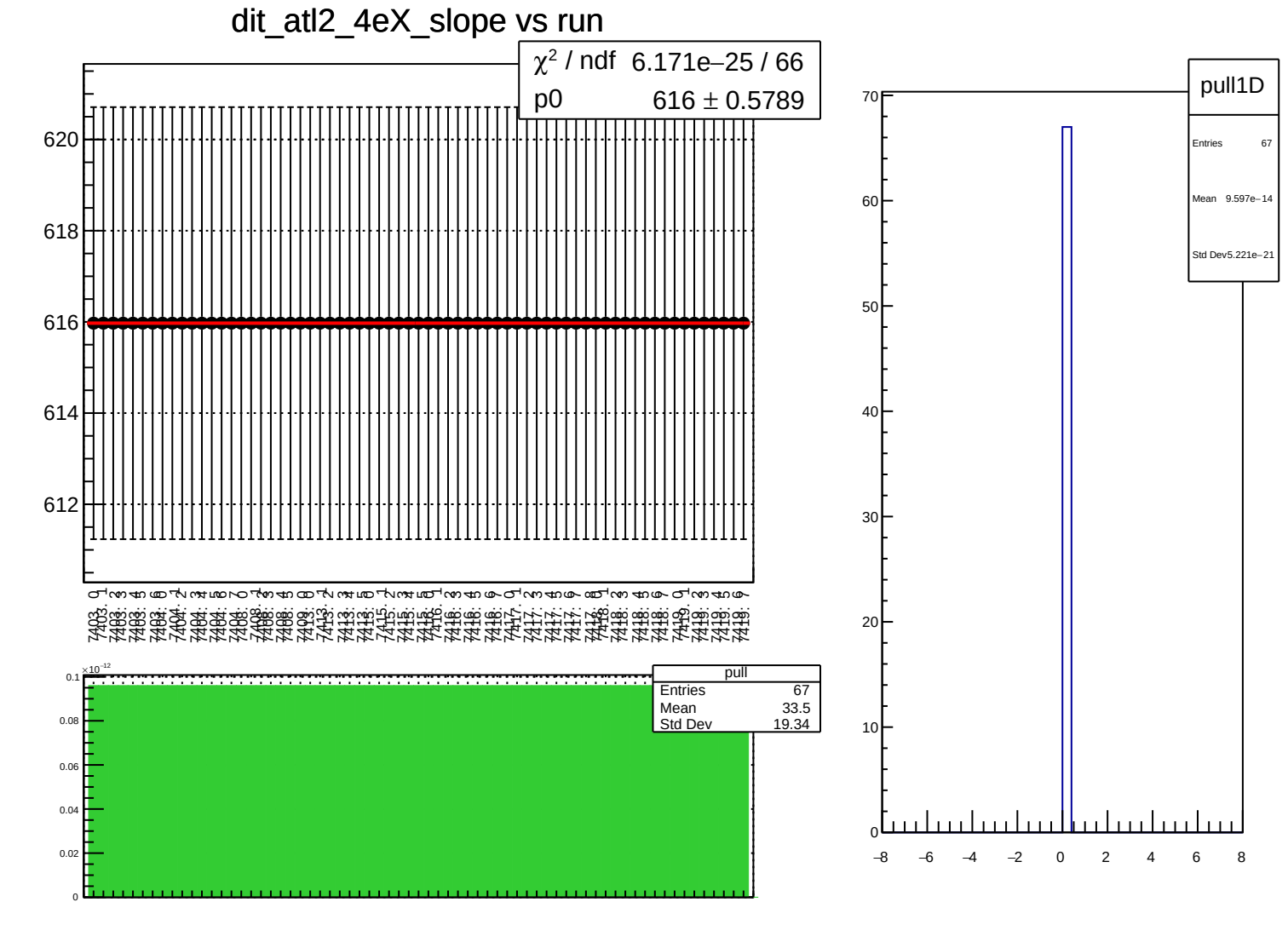

dit_atl1_4aY_slope vs run
χ² / ndf 2.306e−26 / 66
p0 8.518 ± 0.05848
9
8.8
8.6
8.4
8.2
8
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

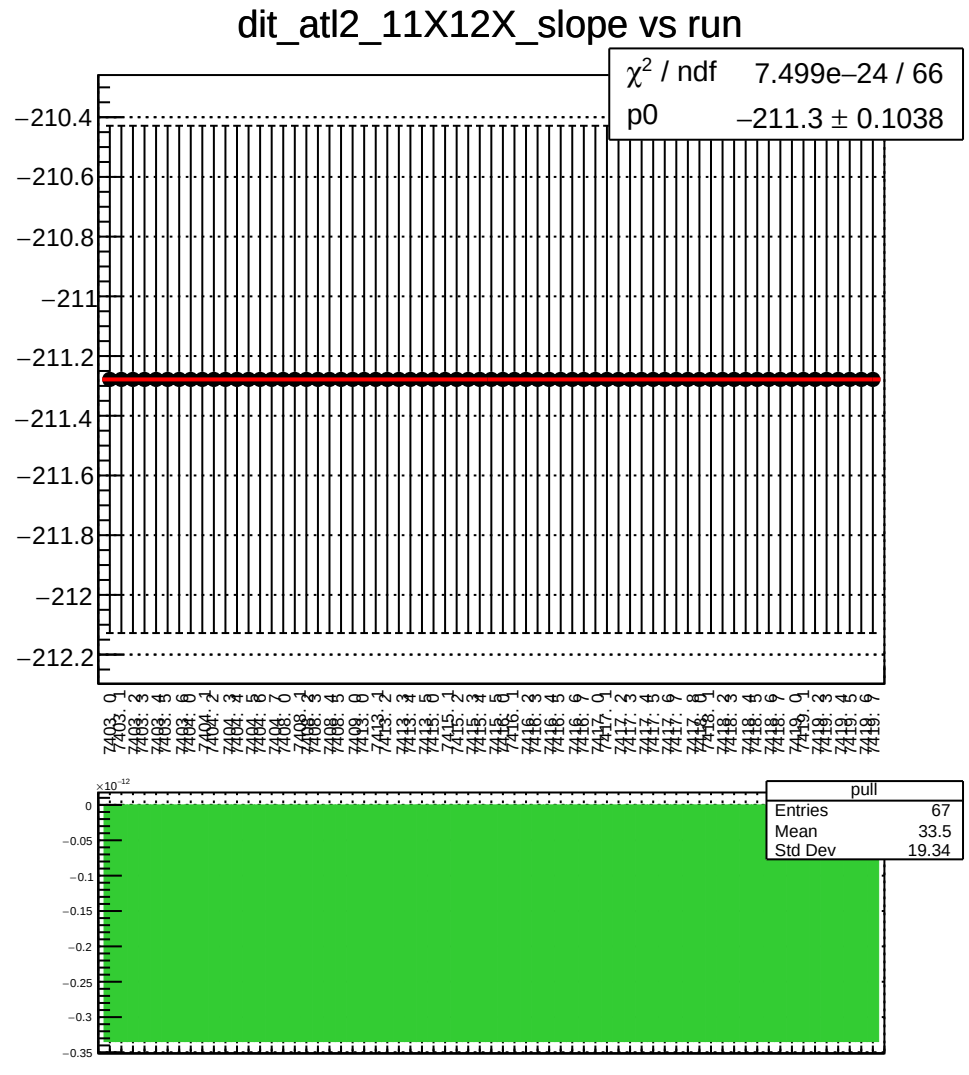

pull1D
Entries 67
Mean 1.855e−14
Std Dev 2.995e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

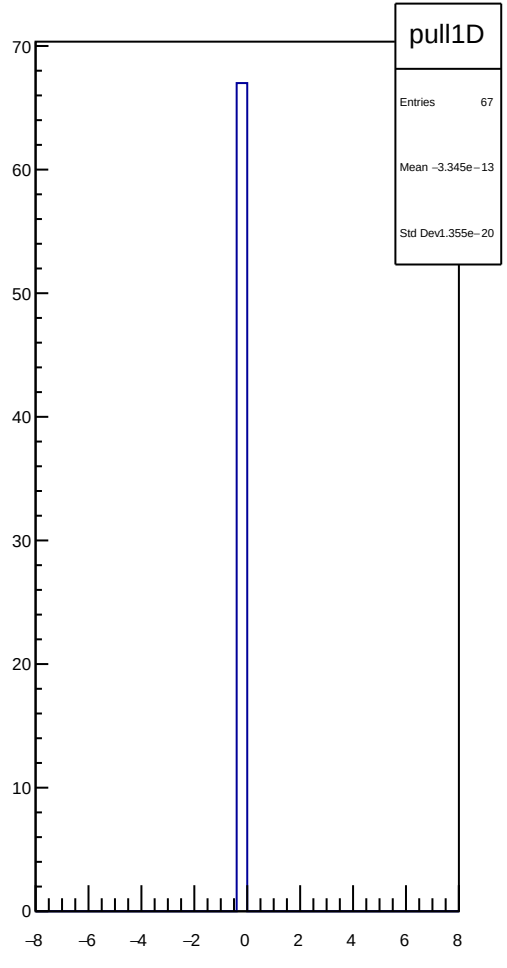

dit_atl1_4eY_slope vs run
χ² / ndf 2.007e−25 / 66
p0 −24.55 ± 0.04758
−24.1
−24.2
−24.3
−24.4
−24.5
−24.6
−24.7
−24.8
−24.9
−25
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 67
Mean −5.473e−14
Std Dev2.075e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

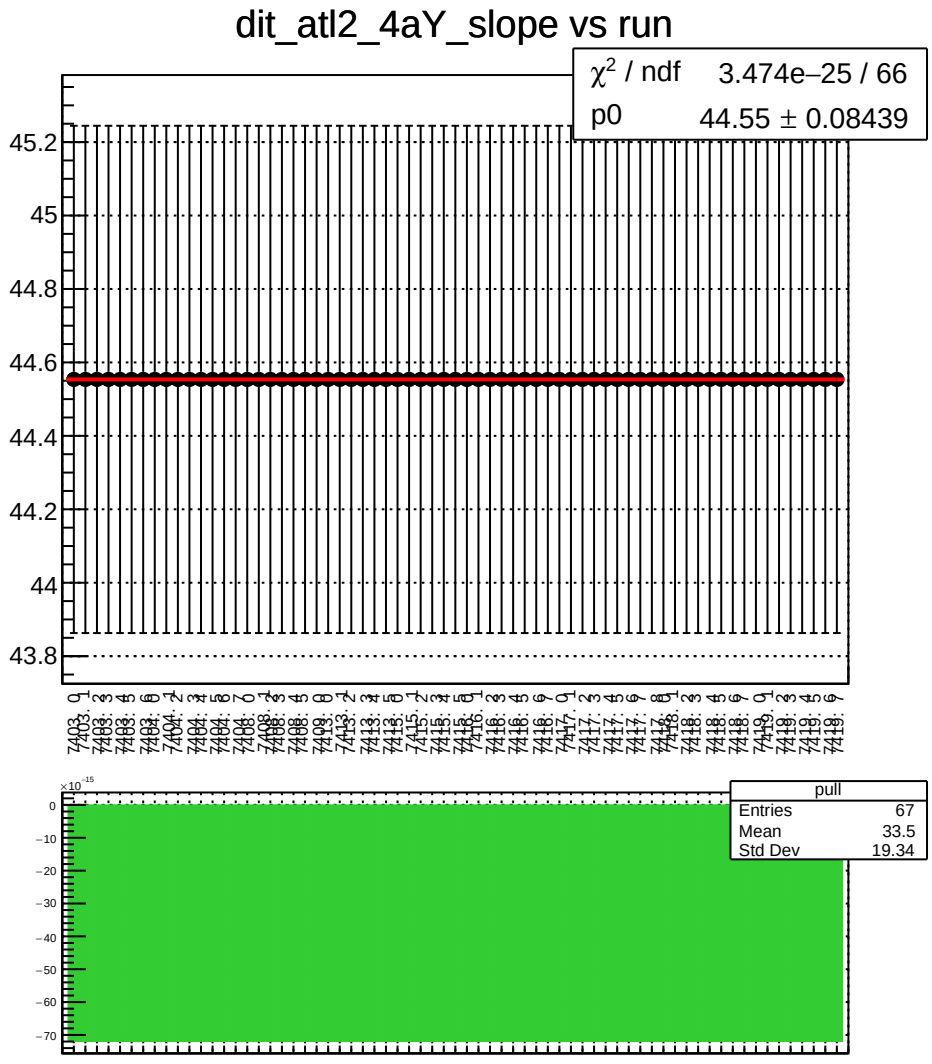

dit_atl2_4aX_slope vs run
$\chi^2$ / ndf 2.589e−25 / 66
p0 −643.4 ± 0.6703
−638
−640
−642
−644
−646
−648
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-15
60
50
40
30
20
10
0

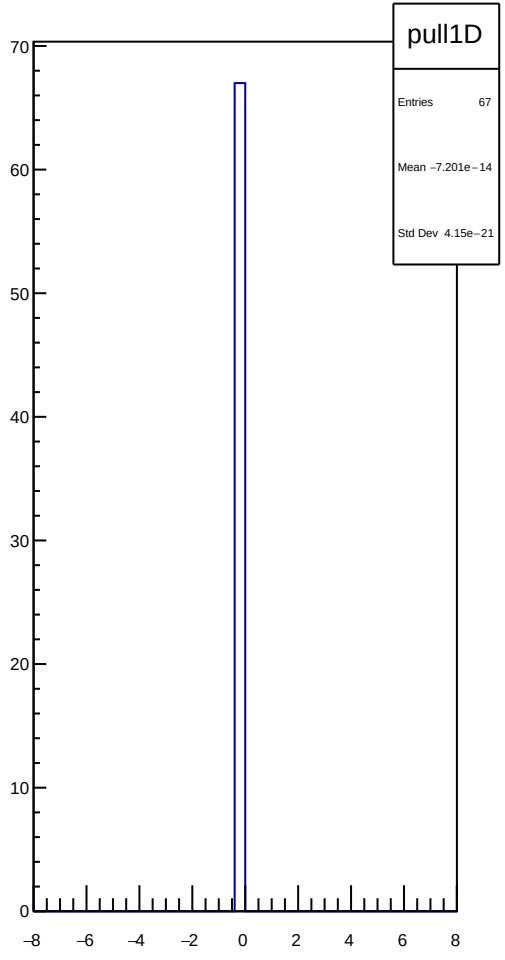

pull1D
Entries 67
Mean 6.216e−14
Std Dev1.694e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

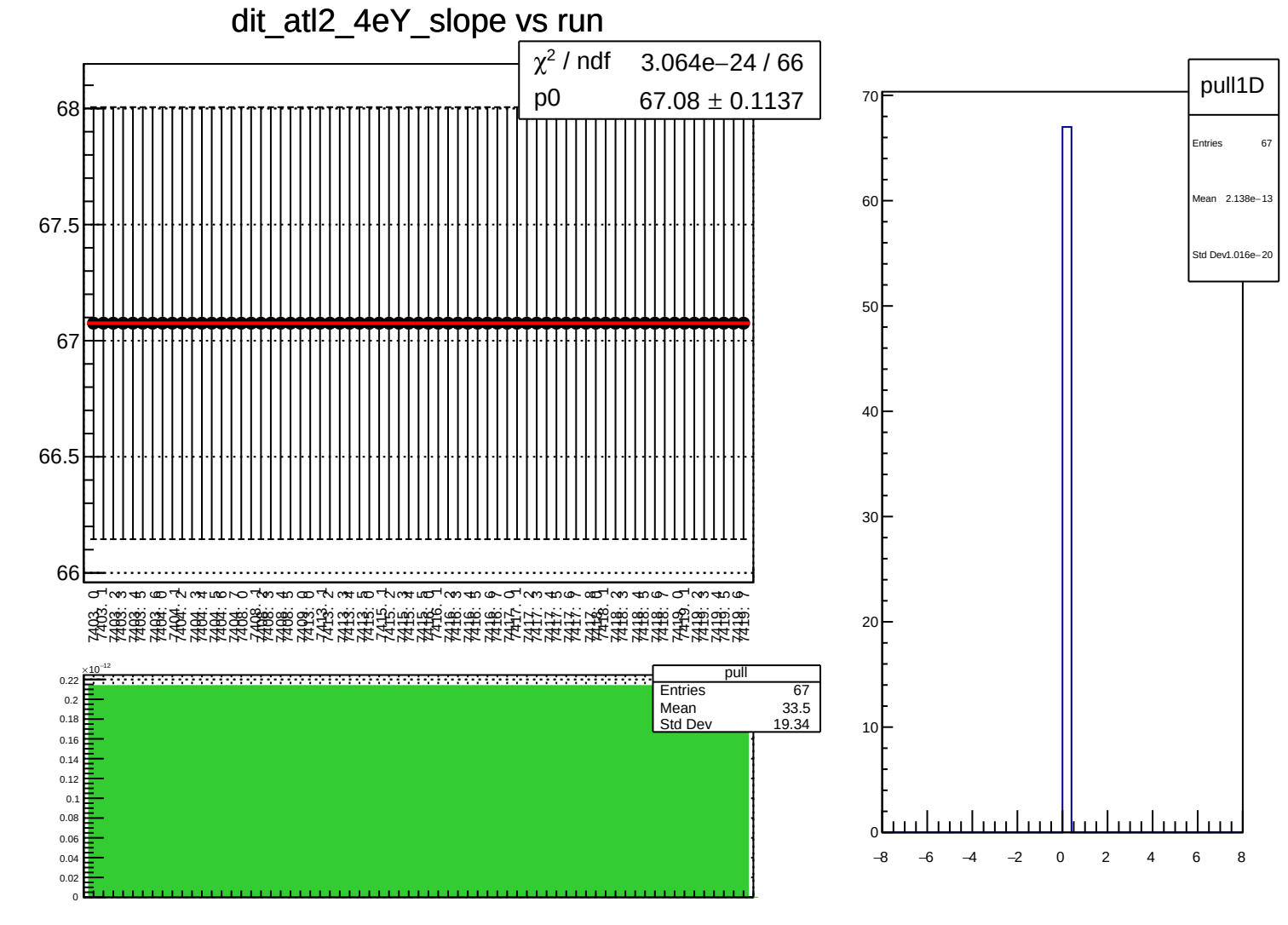

dit_atl2_4eX_slope vs run
χ² / ndf 6.171e−25 / 66
p0 616 ± 0.5789
620
618
616
614
612
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 67
Mean 9.597e−14
Std Dev5.221e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

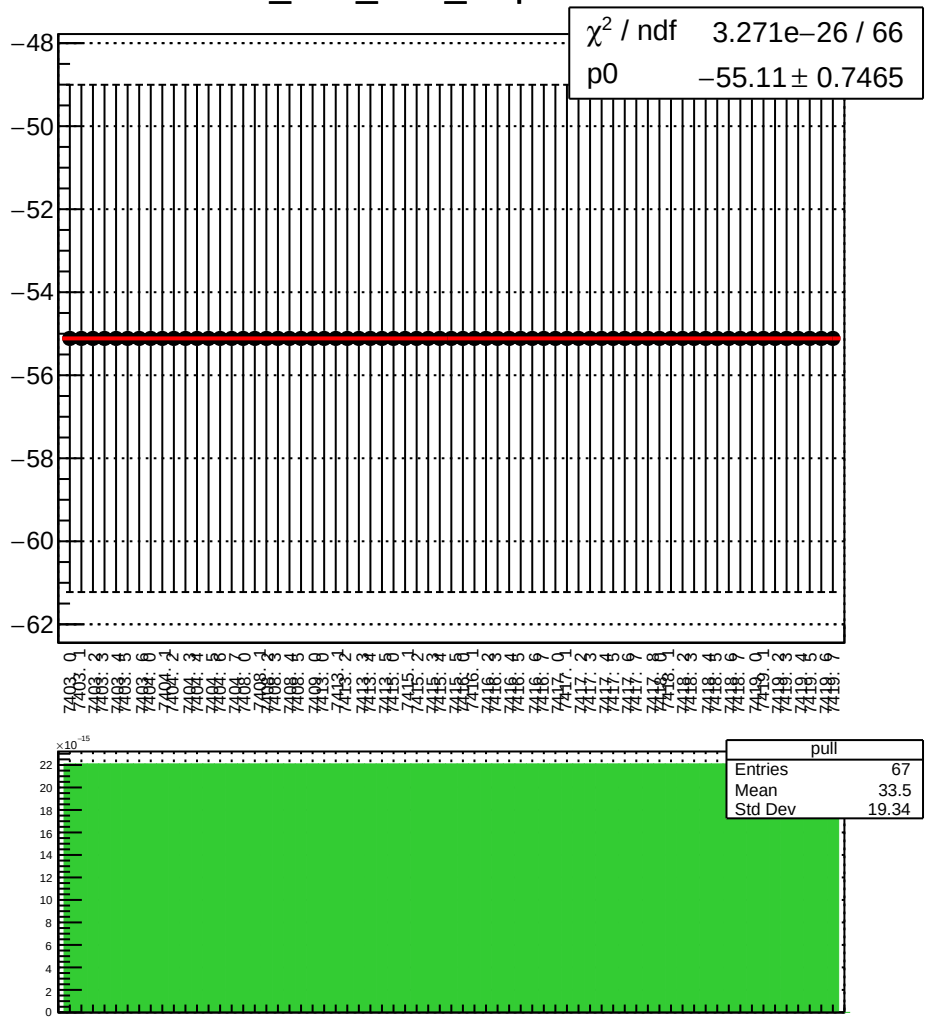

dit_atl2_11X12X_slope vs run
χ² / ndf 7.499e−24 / 66
p0 −211.3 ± 0.1038
−210.4
−210.6
−210.8
−211
−211.2
−211.4
−211.6
−211.8
−212
−212.2
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

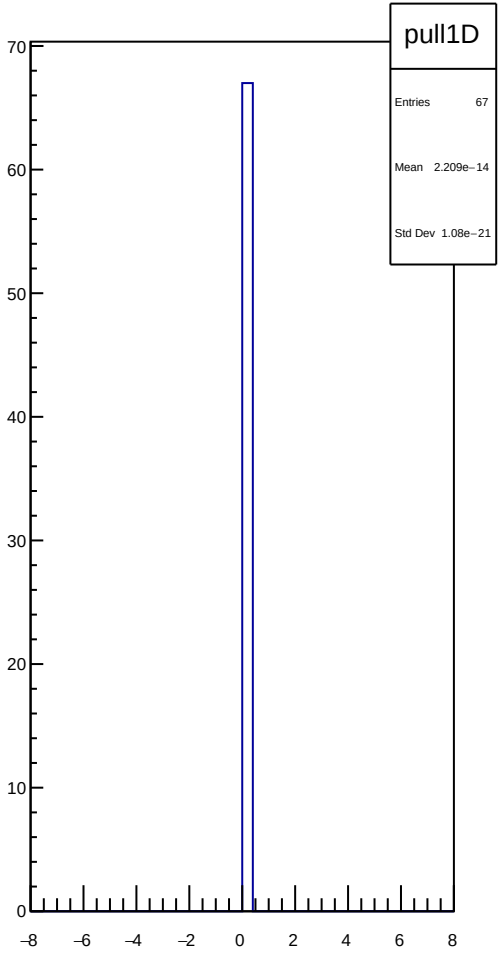

pull1D
Entries 67
Mean −3.345e−13
Std Dev1.355e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

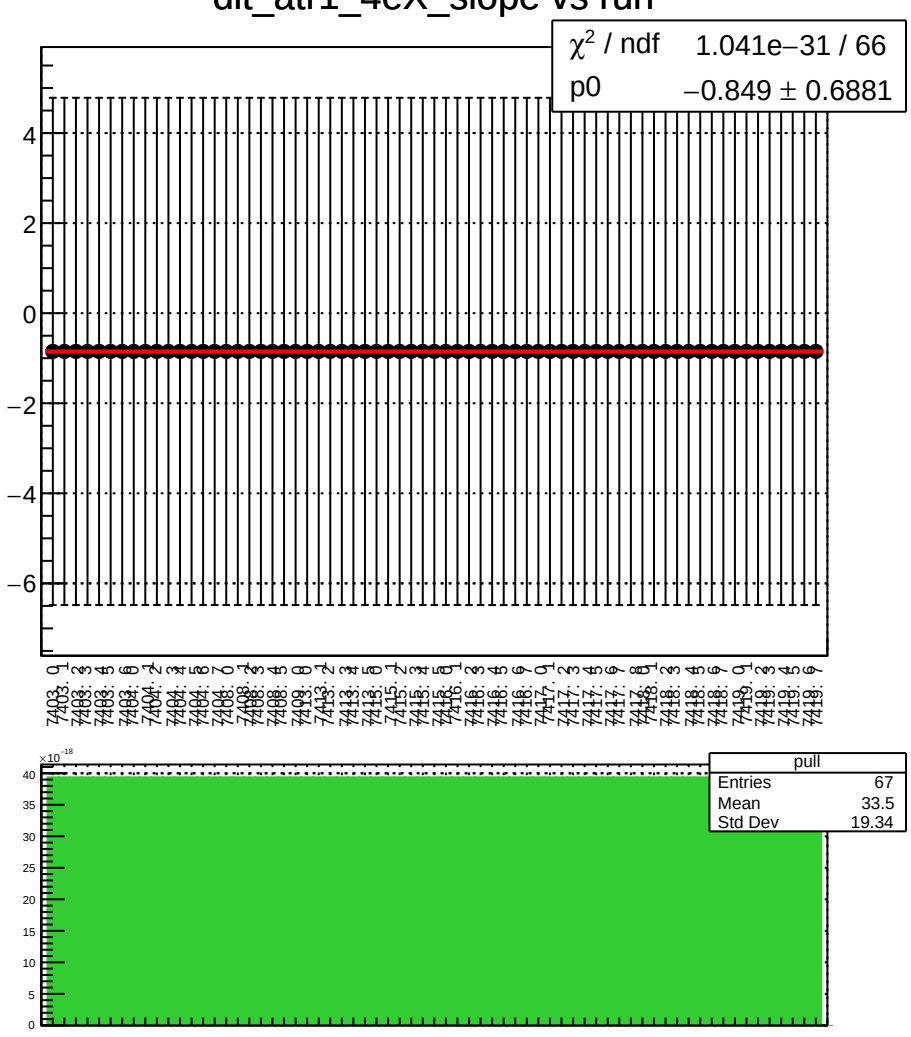

dit_atl2_4aY_slope vs run
χ² / ndf 3.474e−25 / 66
p0 44.55 ± 0.08439
45.2
45
44.8
44.6
44.4
44.2
44
43.8
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

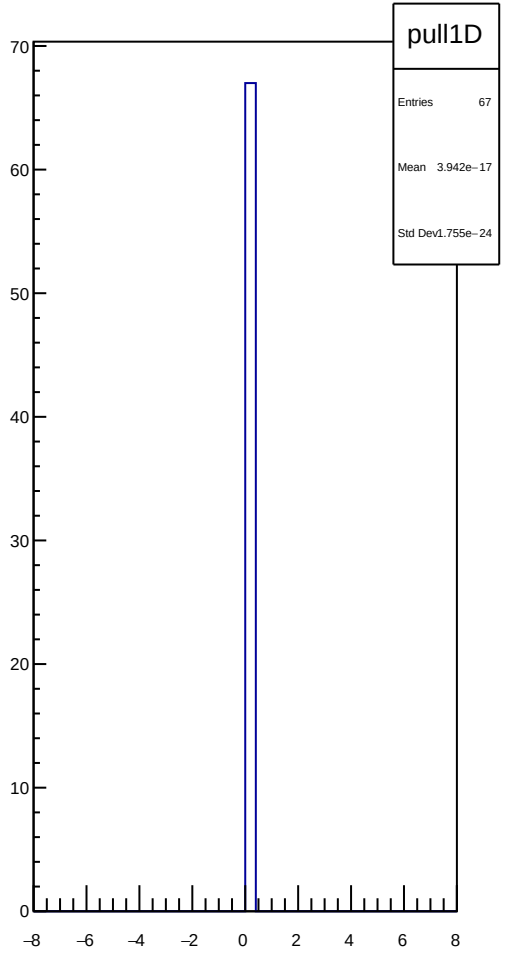

pull1D
Entries 67
Mean −7.201e−14
Std Dev 4.15e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

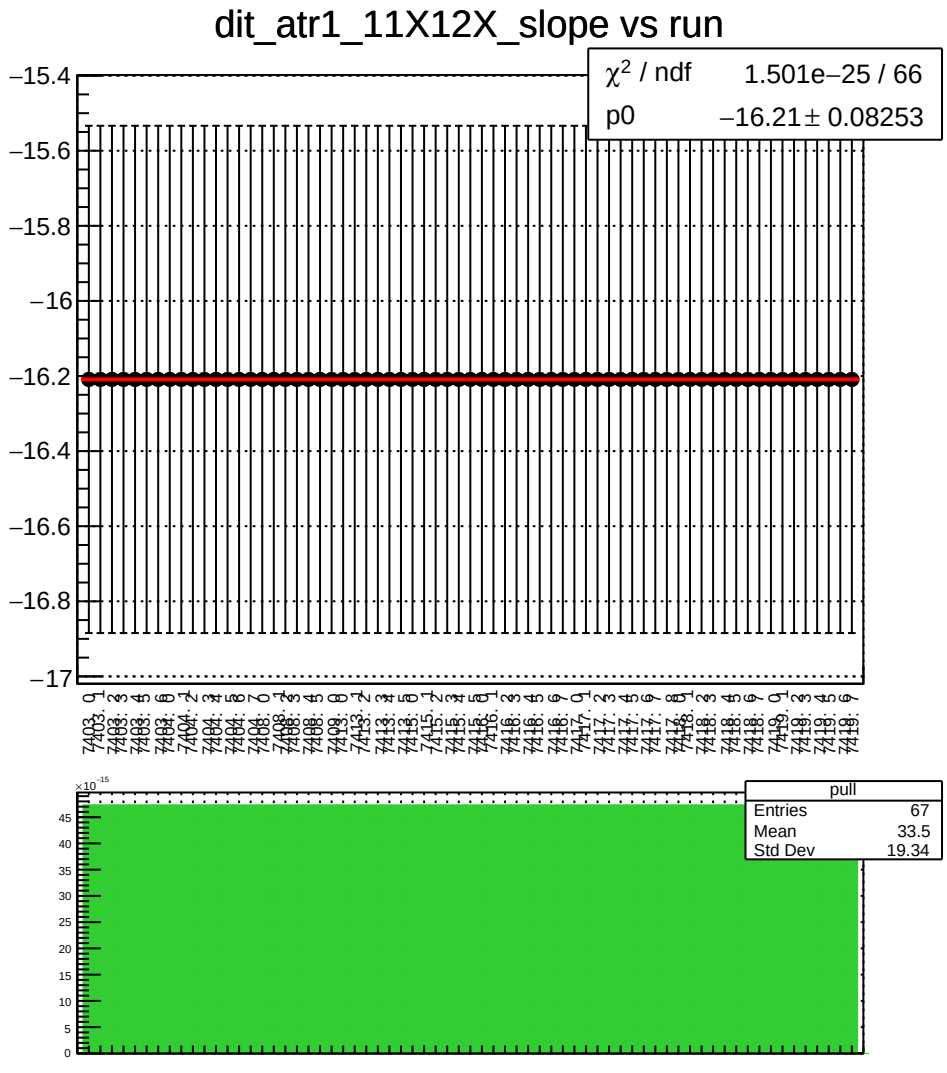

dit_atl2_4eY_slope vs run
χ² / ndf 3.064e−24 / 66
p0 67.08 ± 0.1137
68
67.5
67
66.5
66
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 67
Mean 2.138e−13
Std Dev1.016e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

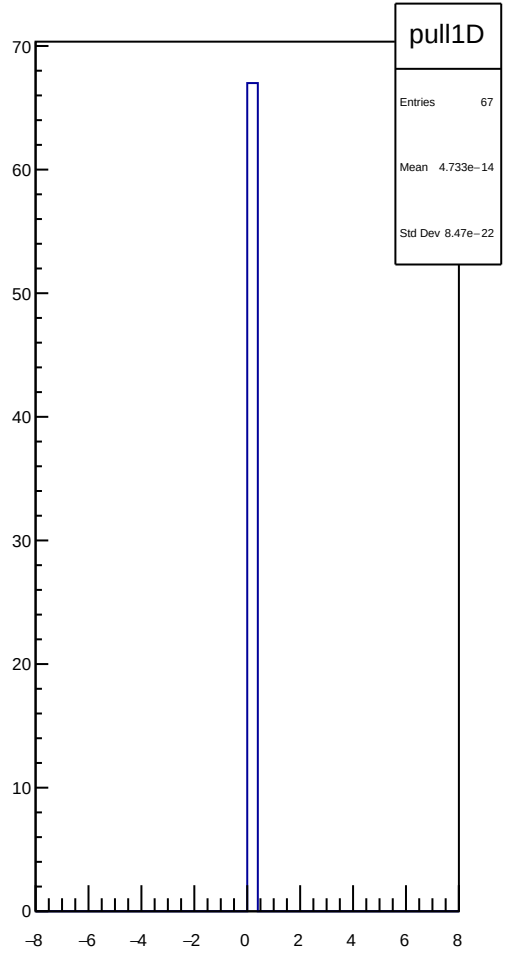

dit_atr1_4aX_slope vs run
$\chi^2$ / ndf 3.271e−26 / 66
p0 −55.11 ± 0.7465
pull
Entries 67
Mean 33.5
Std Dev 19.34

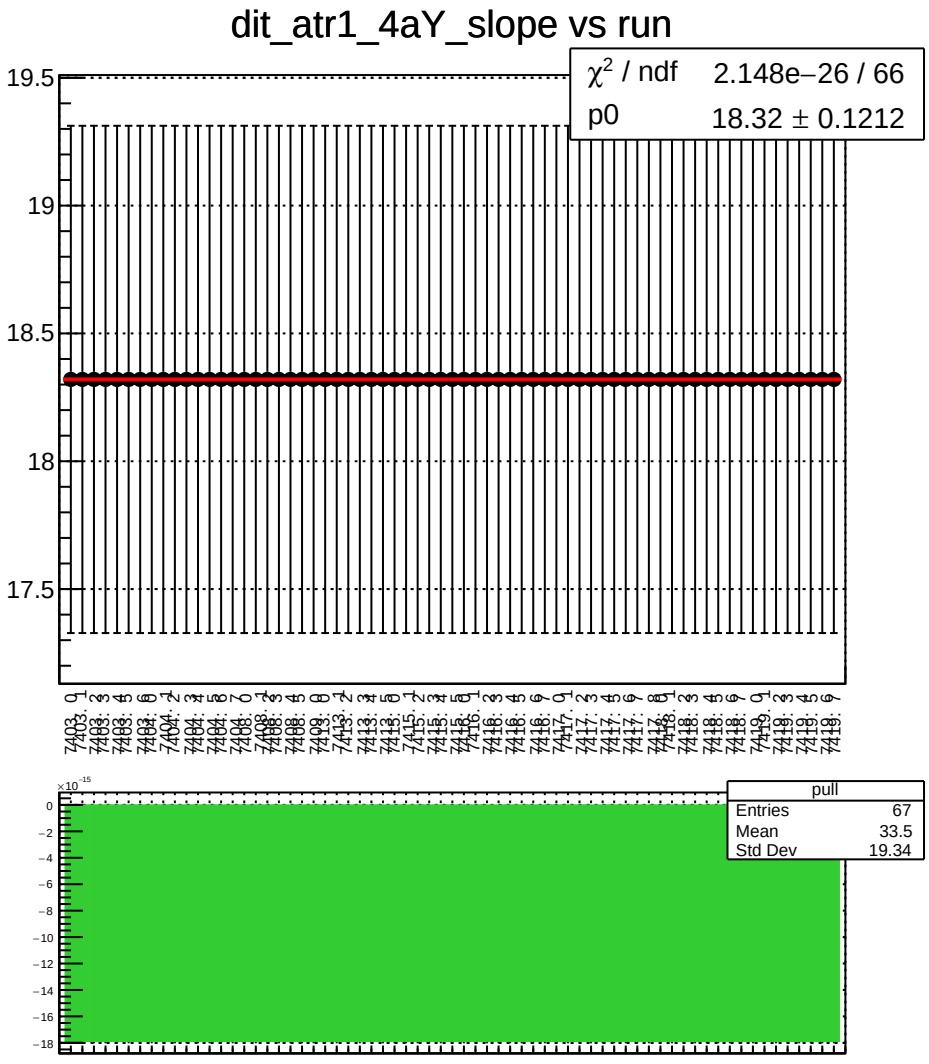

pull1D
Entries 67
Mean 2.209e−14
Std Dev 1.08e−21

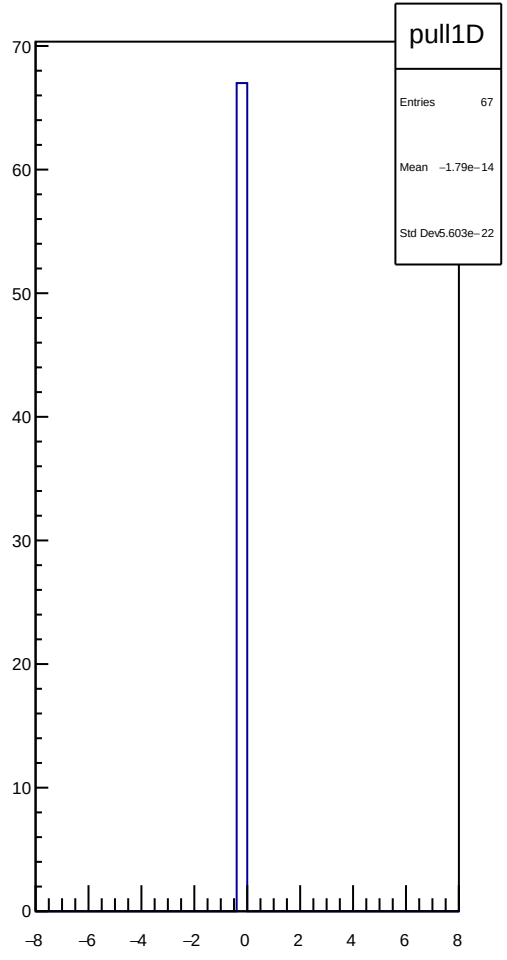

dit_atr1_4eX_slope vs run
χ² / ndf 1.041e−31 / 66
p0 −0.849 ± 0.6881
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁸

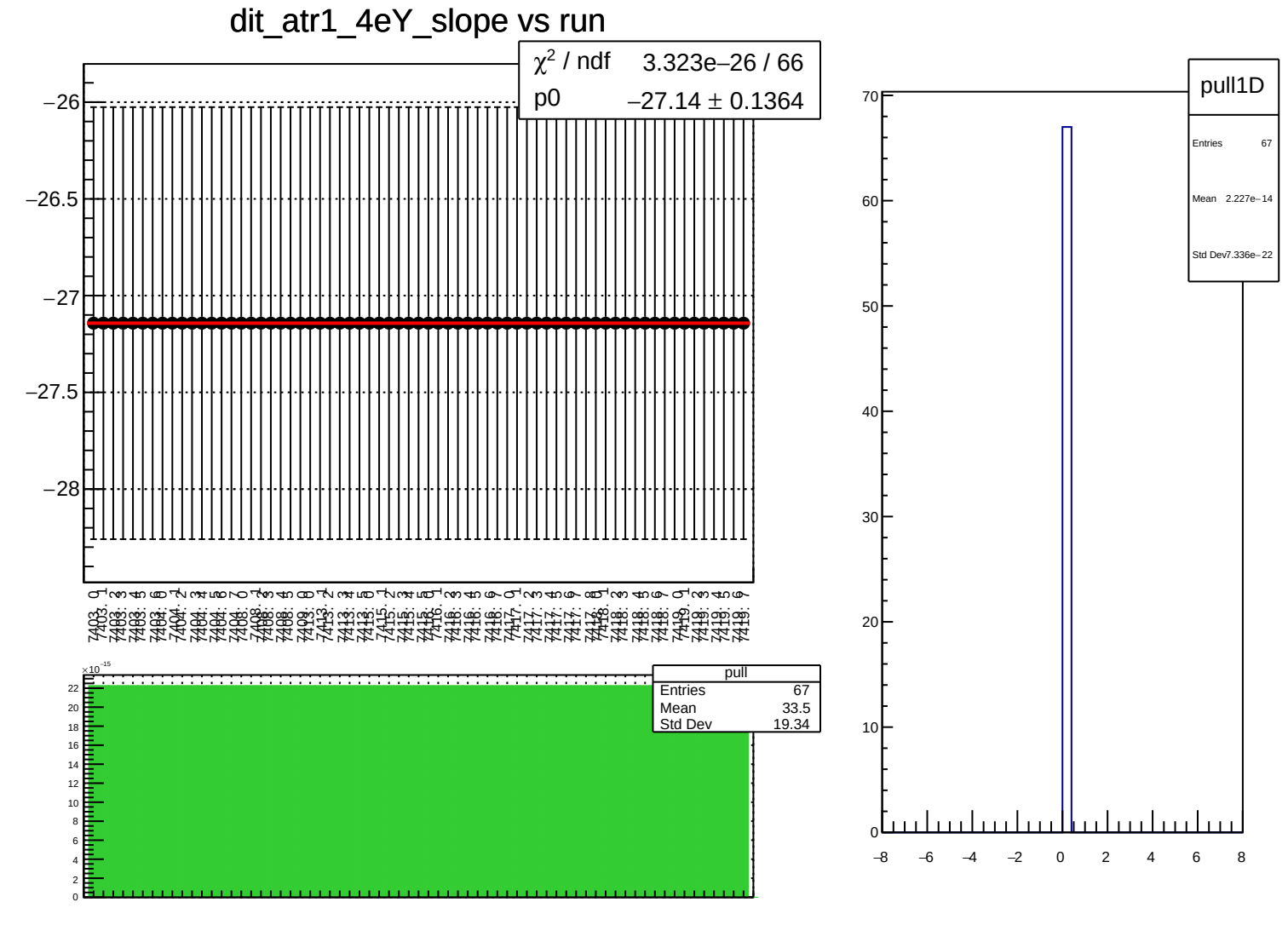

pull1D
Entries 67
Mean 3.942e−17
Std Dev1.755e−24

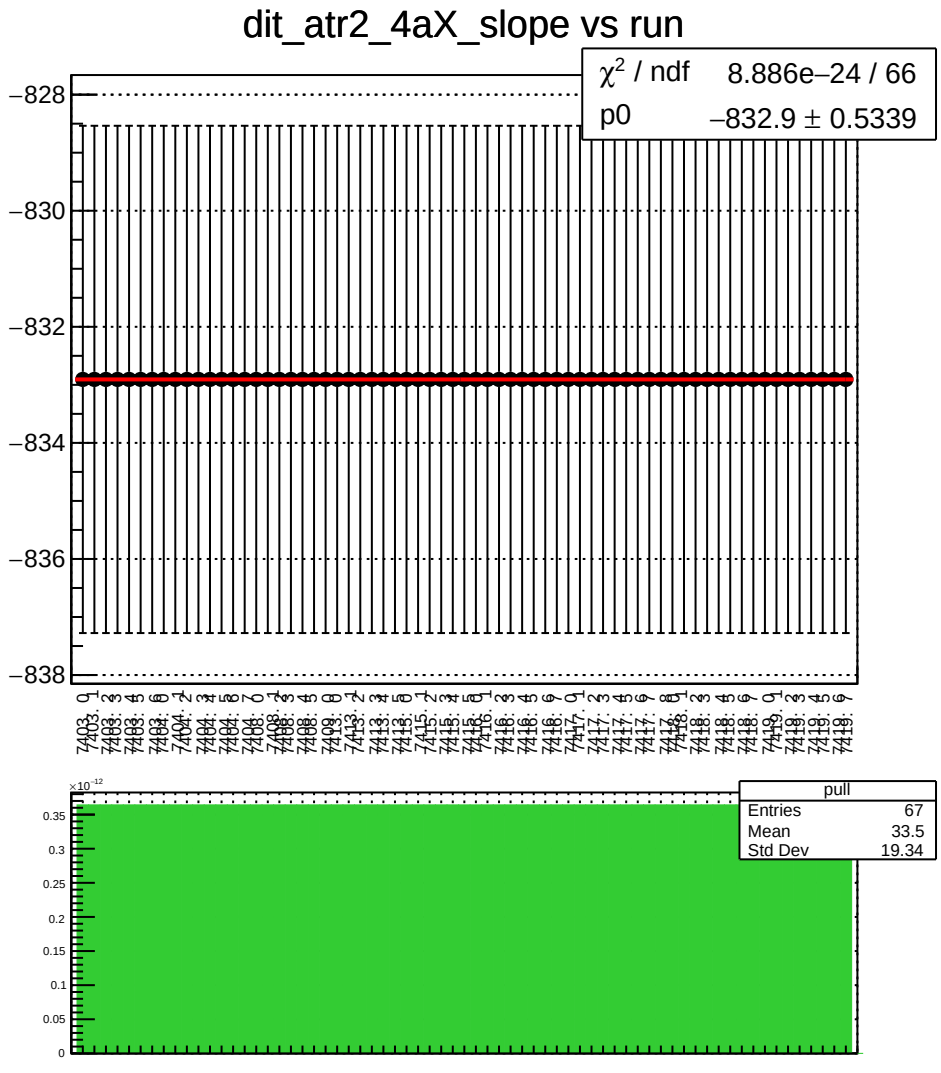

dit_atr1_11X12X_slope vs run
χ² / ndf 1.501e−25 / 66
p0 −16.21 ± 0.08253
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

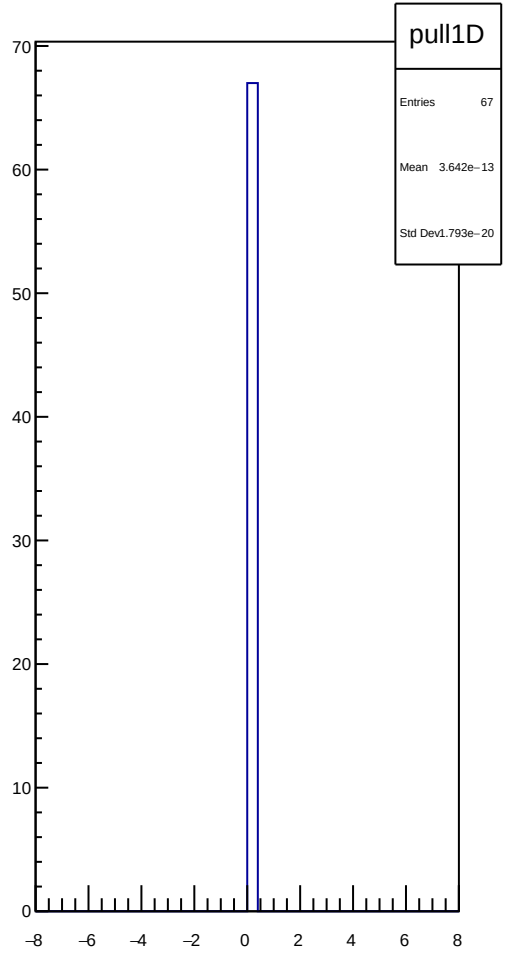

pull1D
Entries 67
Mean 4.733e−14
Std Dev 8.47e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

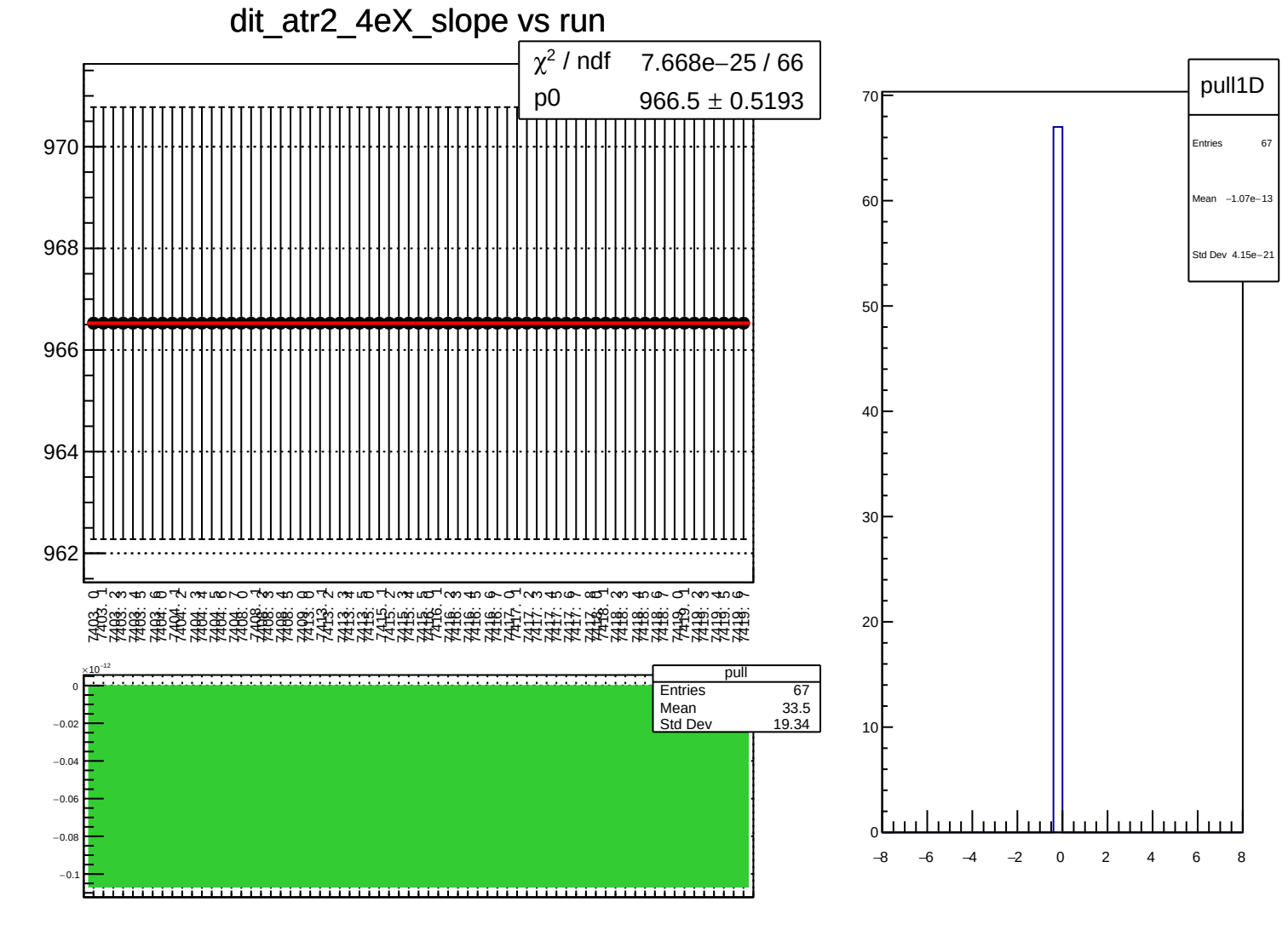

dit_atr1_4aY_slope vs run
$\chi^2$ / ndf 2.148e−26 / 66
p0 18.32 ± 0.1212
19.5
19
18.5
18
17.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

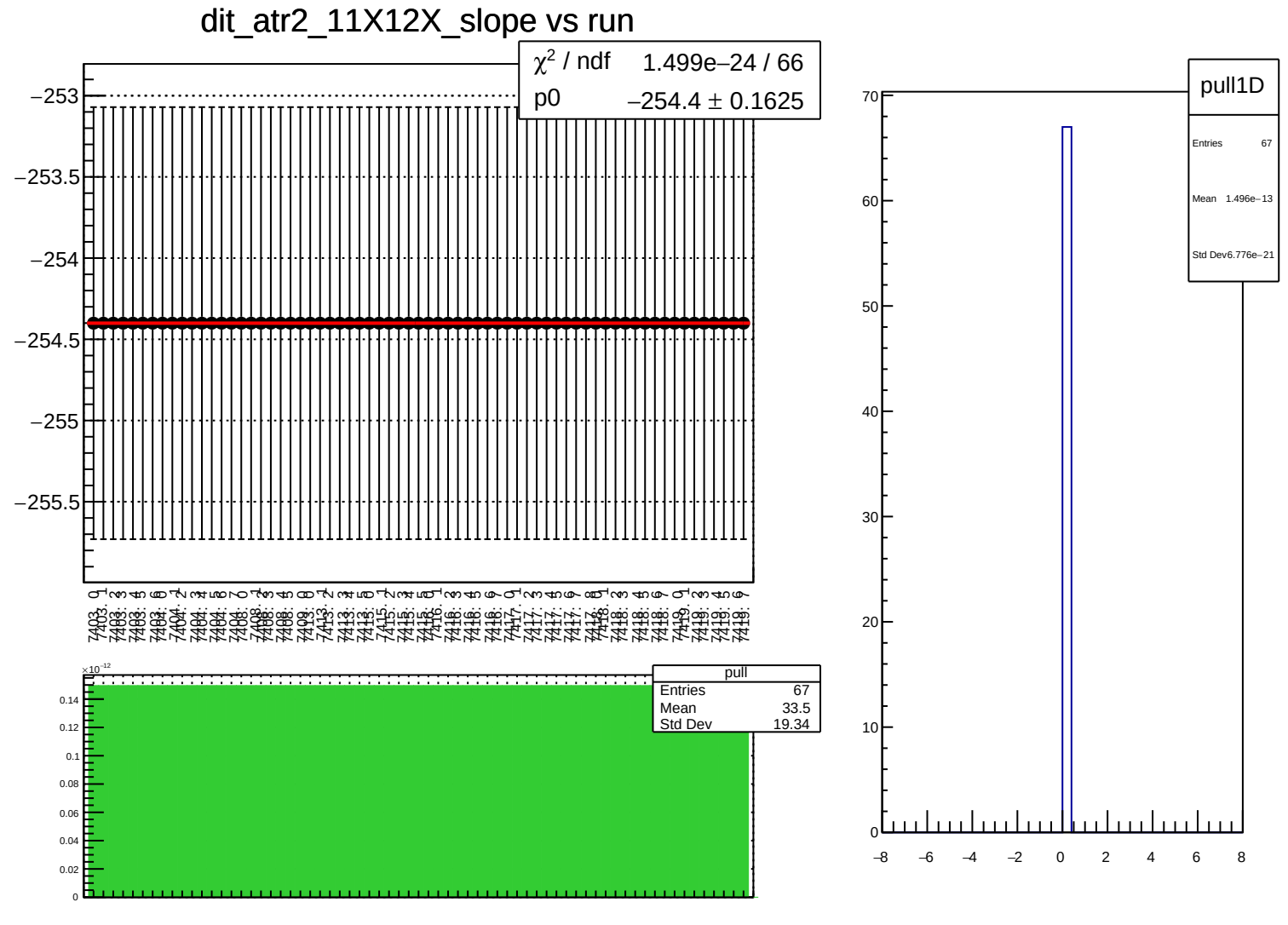

pull1D
Entries 67
Mean −1.79e−14
Std Dev 5.603e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

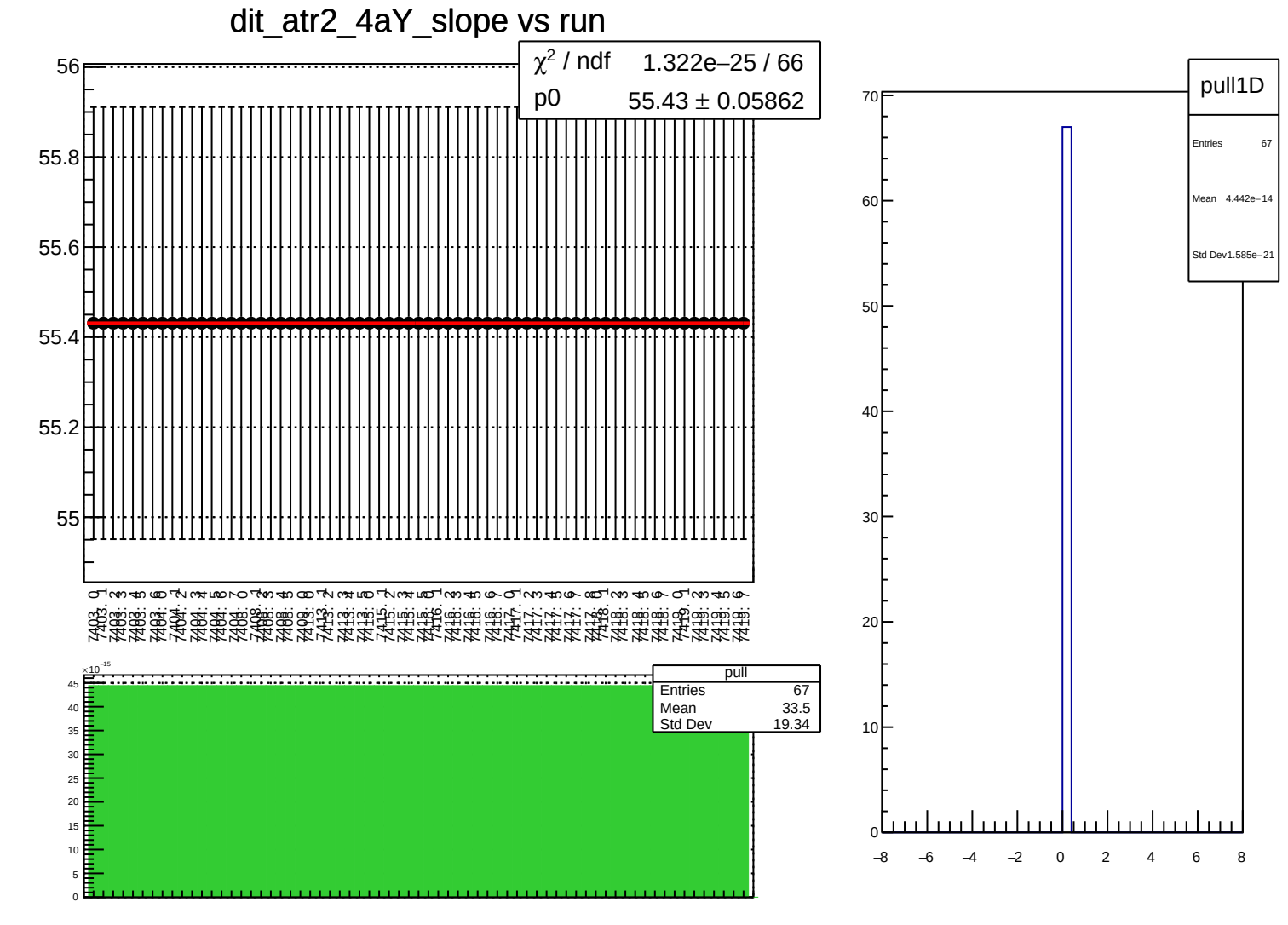

dit_atr1_4eY_slope vs run
χ² / ndf 3.323e−26 / 66
p0 −27.14 ± 0.1364
−26
−26.5
−27
−27.5
−28
×10⁻¹⁵
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean 2.227e−14
Std Dev7.336e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

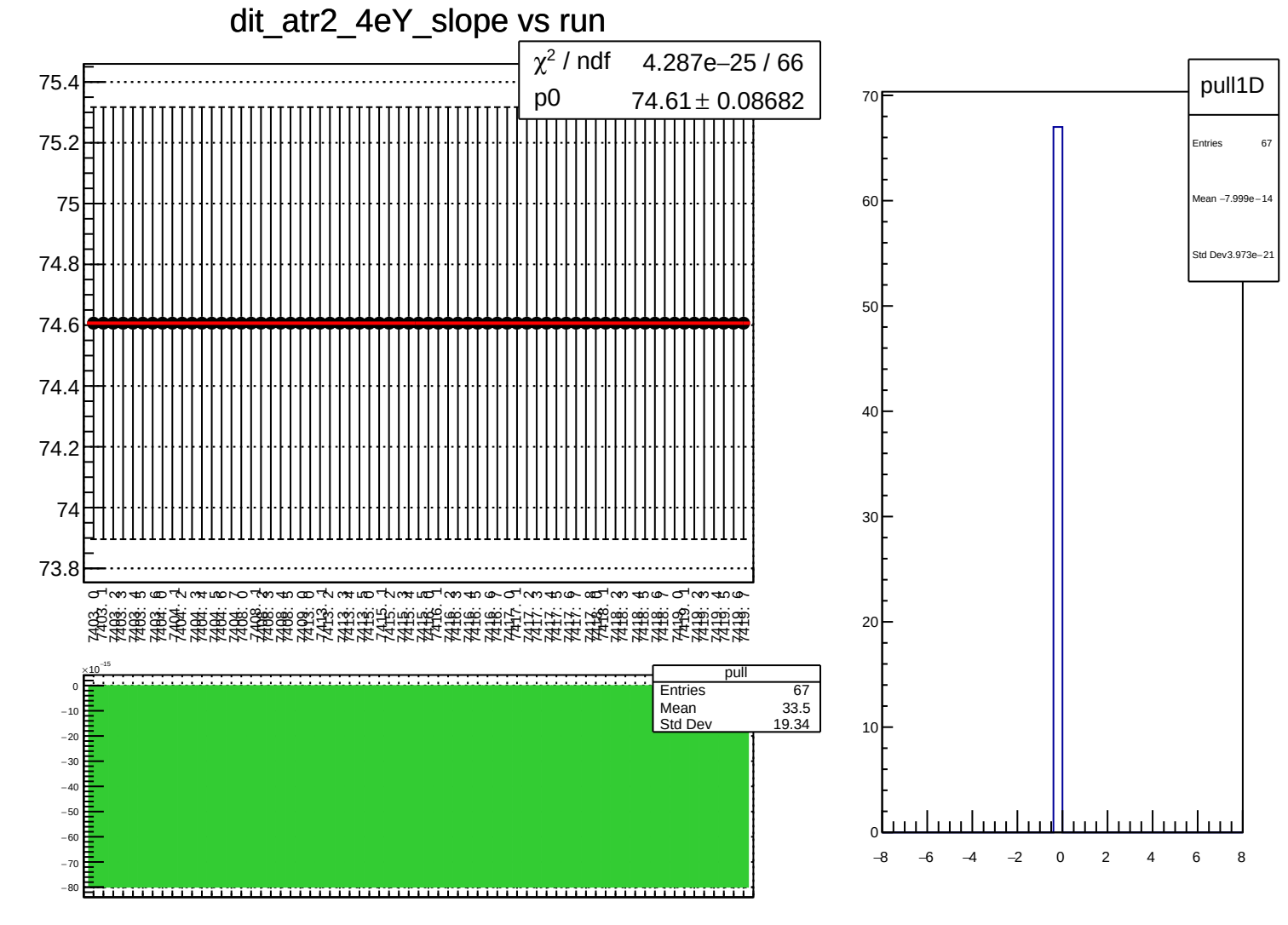

dit_atr2_4aX_slope vs run
χ² / ndf 8.886e−24 / 66
p0 −832.9 ± 0.5339
−828
−830
−832
−834
−836
−838
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

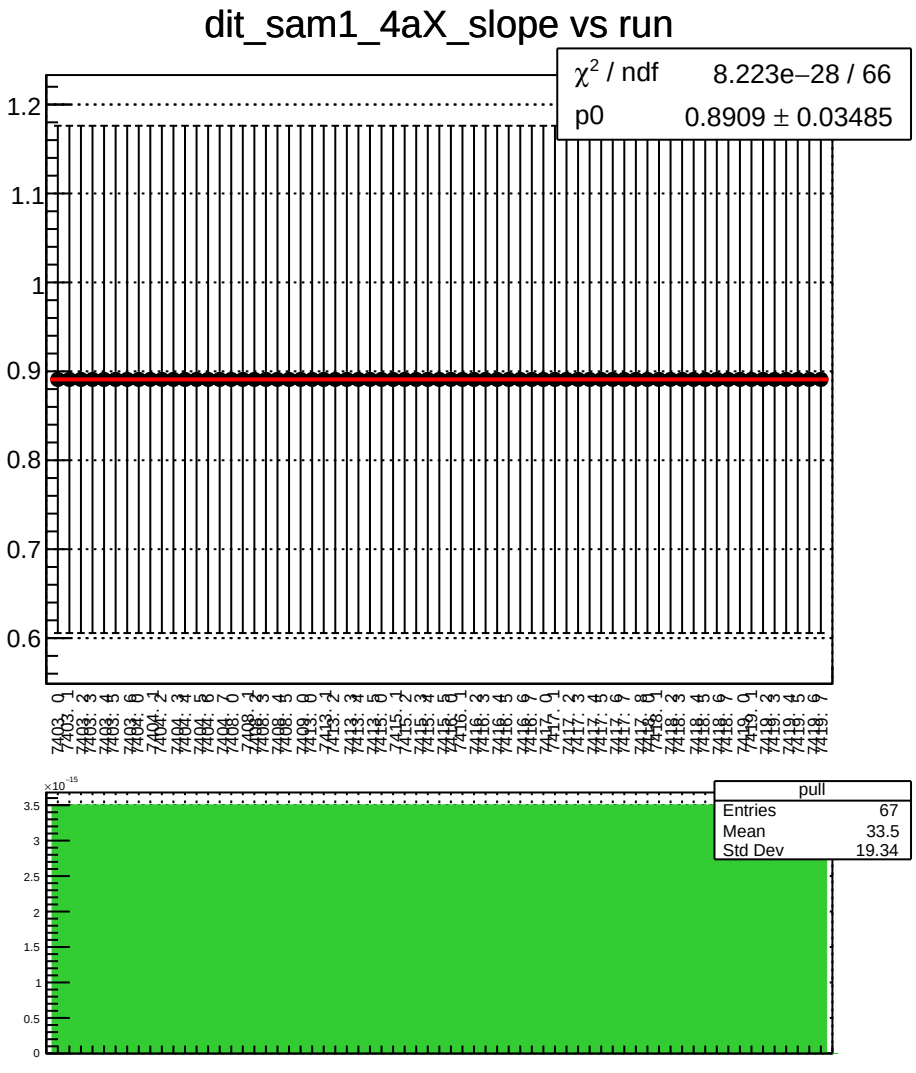

pull1D
Entries 67
Mean 3.642e−13
Std Dev1.793e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

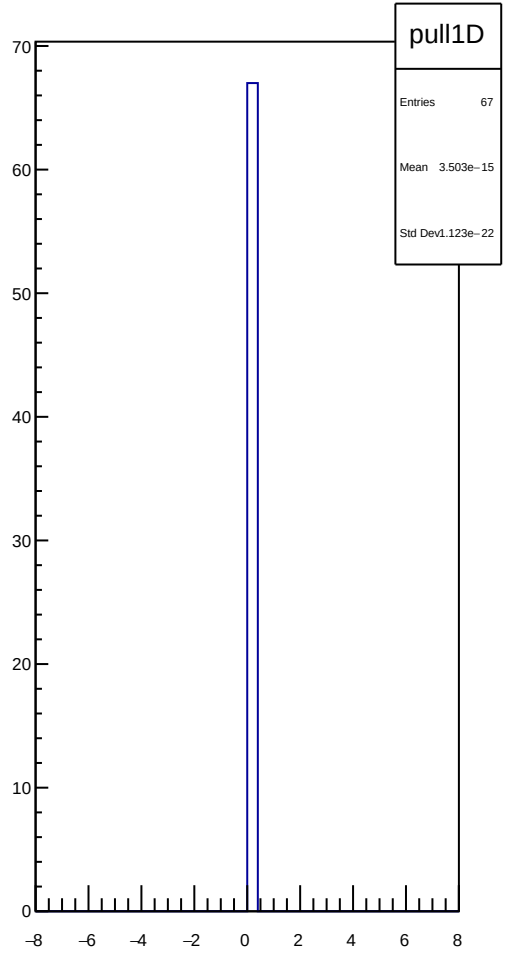

dit_atr2_4eX_slope vs run
χ² / ndf 7.668e−25 / 66
p0 966.5 ± 0.5193
970
968
966
964
962
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 67
Mean −1.07e−13
Std Dev 4.15e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

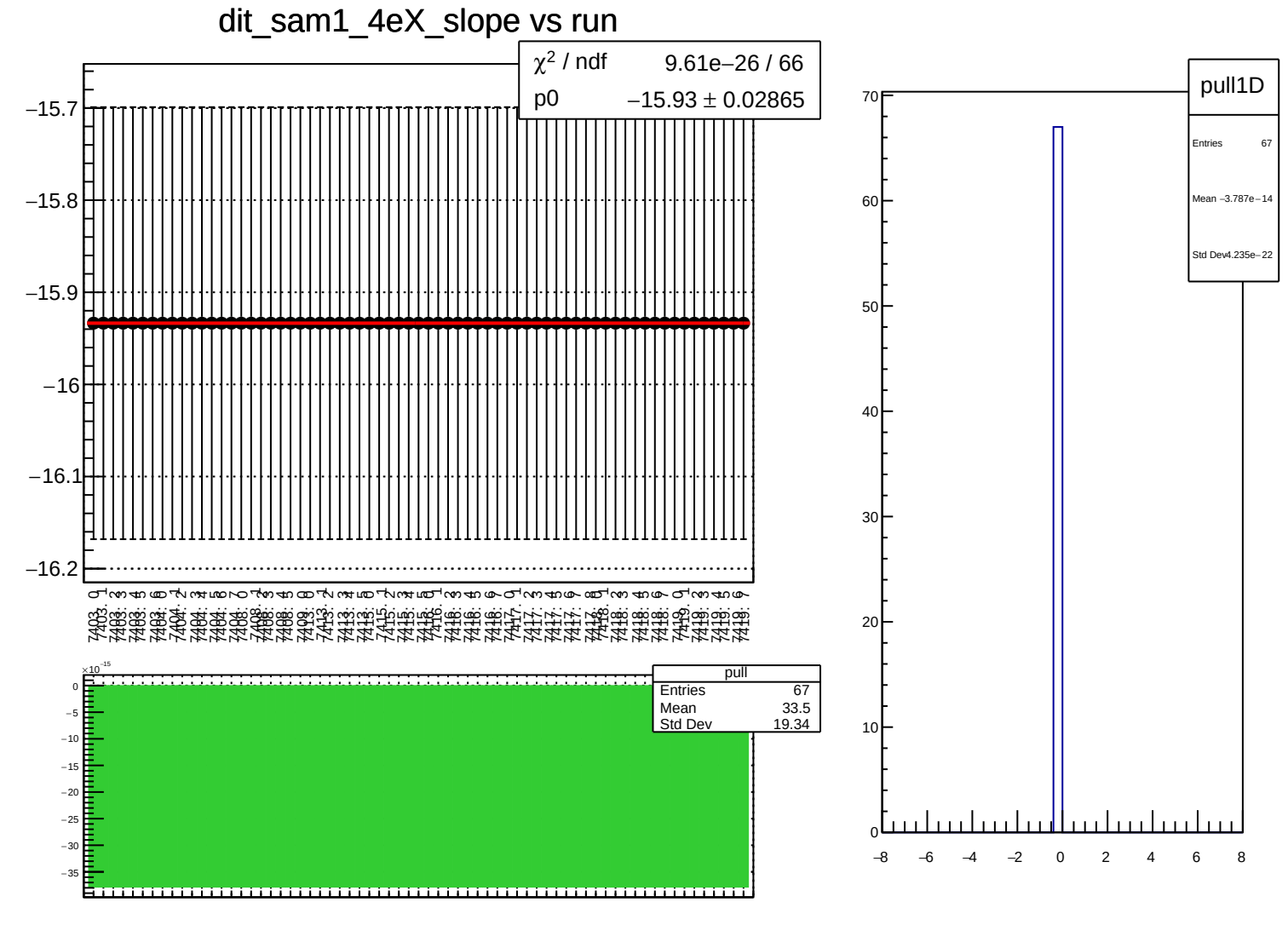

dit_atr2_11X12X_slope vs run
χ² / ndf 1.499e−24 / 66
p0 −254.4 ± 0.1625
−253
−253.5
−254
−254.5
−255
−255.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 67
Mean 1.496e−13
Std Dev 6.776e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

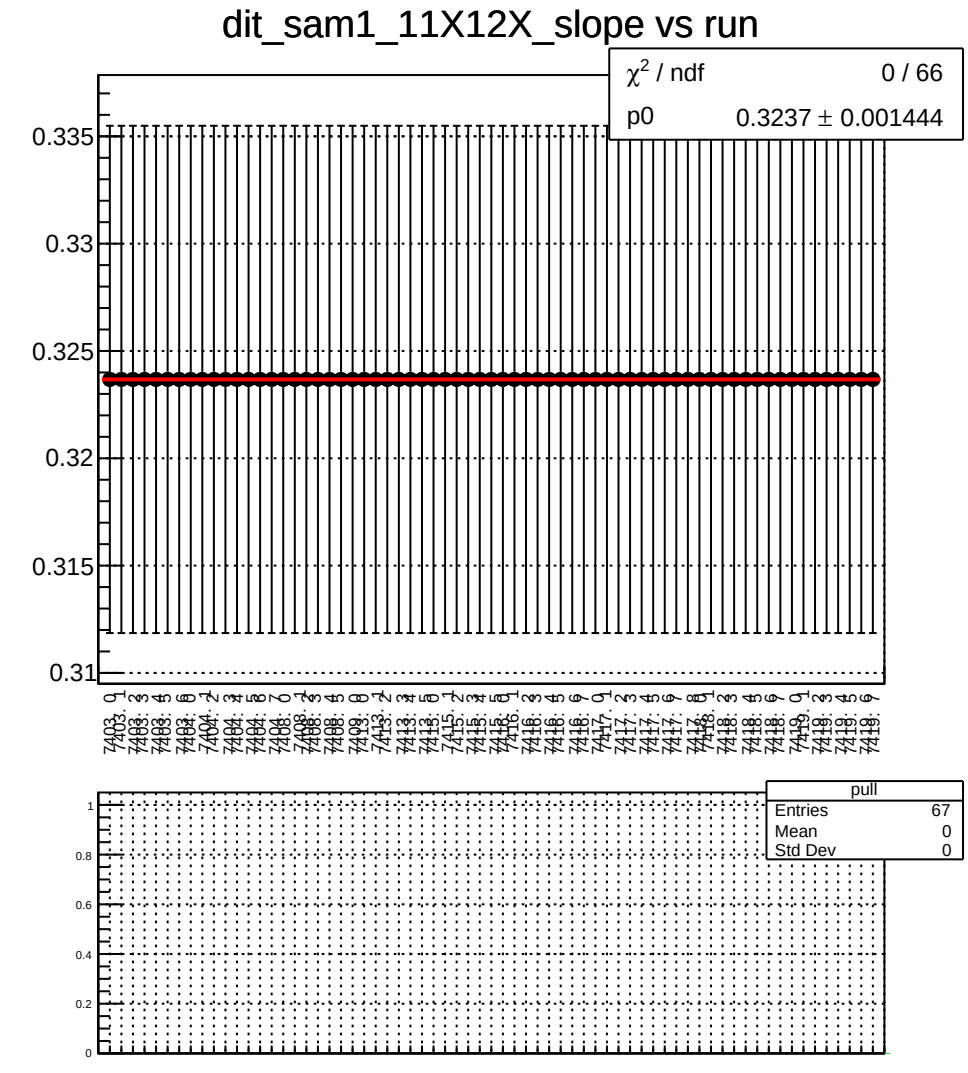

dit_atr2_4aY_slope vs run
χ² / ndf 1.322e−25 / 66
p0 55.43 ± 0.05862
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean 4.442e−14
Std Dev 1.585e−21

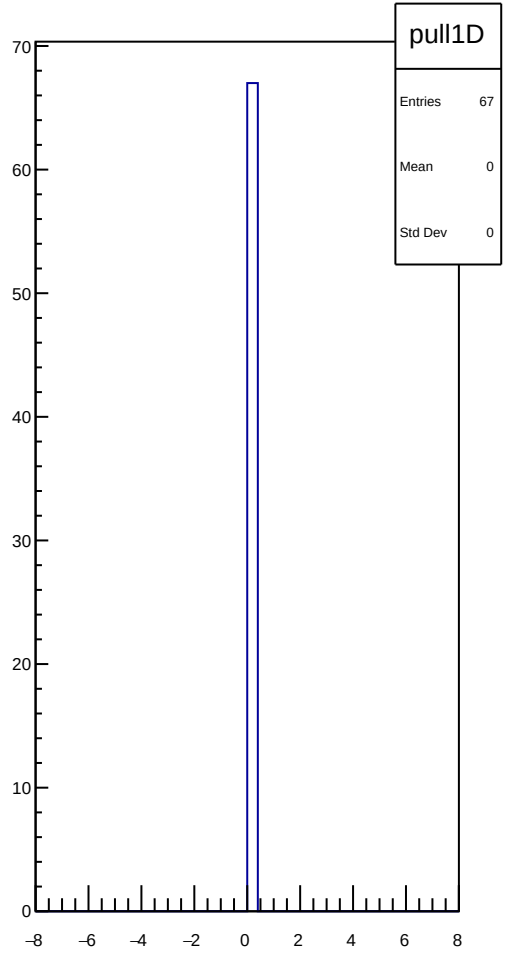

dit_atr2_4eY_slope vs run
χ² / ndf 4.287e−25 / 66
p0 74.61 ± 0.08682
75.4
75.2
75
74.8
74.6
74.4
74.2
74
73.8
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 67
Mean −7.999e−14
Std Dev3.973e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

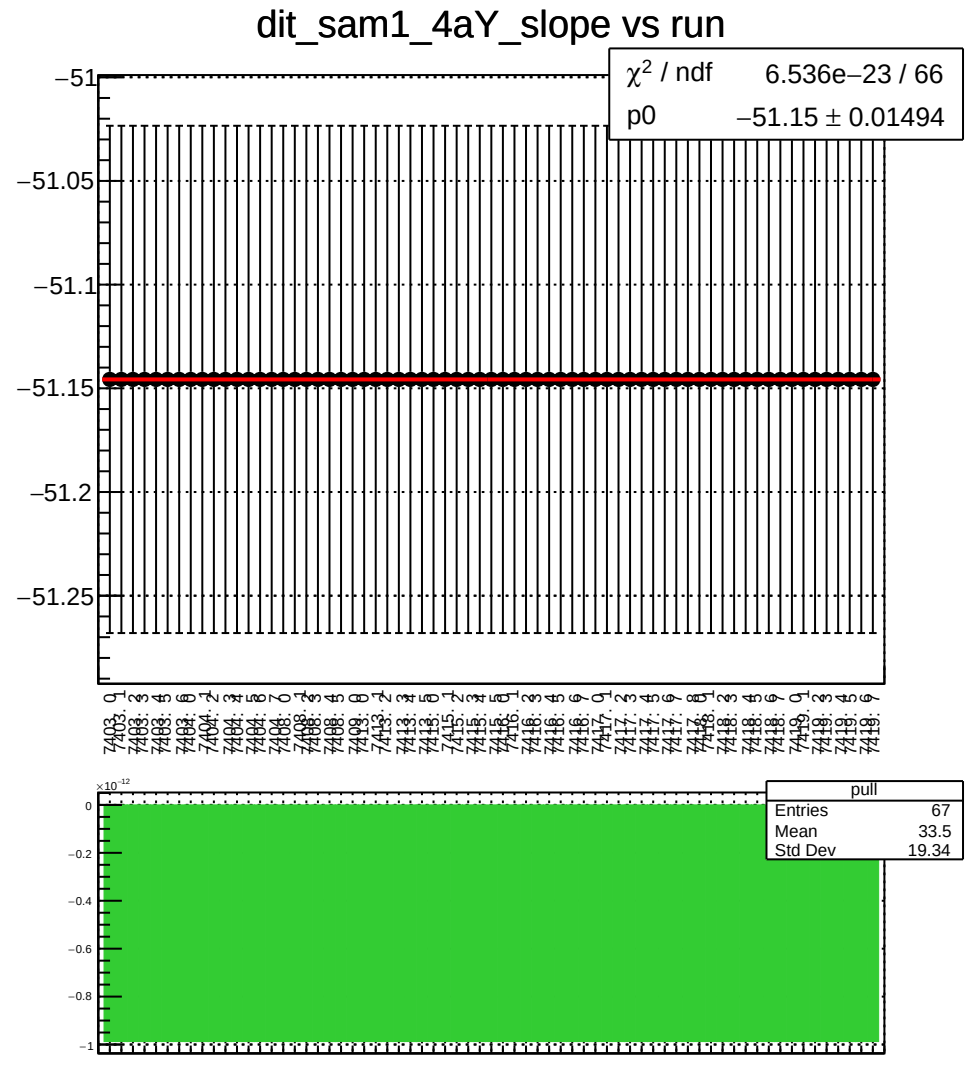

dit_sam1_4aX_slope vs run
χ² / ndf 8.223e−28 / 66
p0 0.8909 ± 0.03485
pull
Entries 67
Mean 33.5
Std Dev 19.34

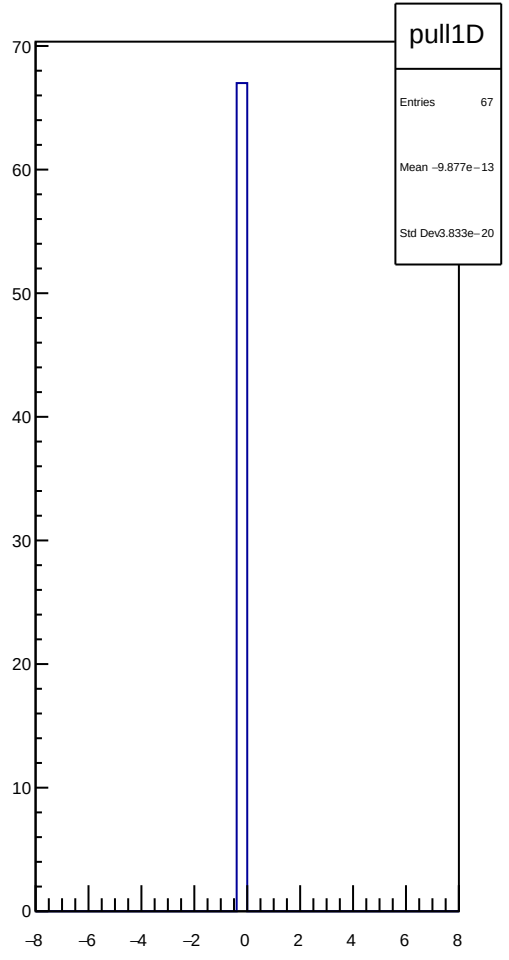

pull1D
Entries 67
Mean 3.503e−15
Std Dev1.123e−22

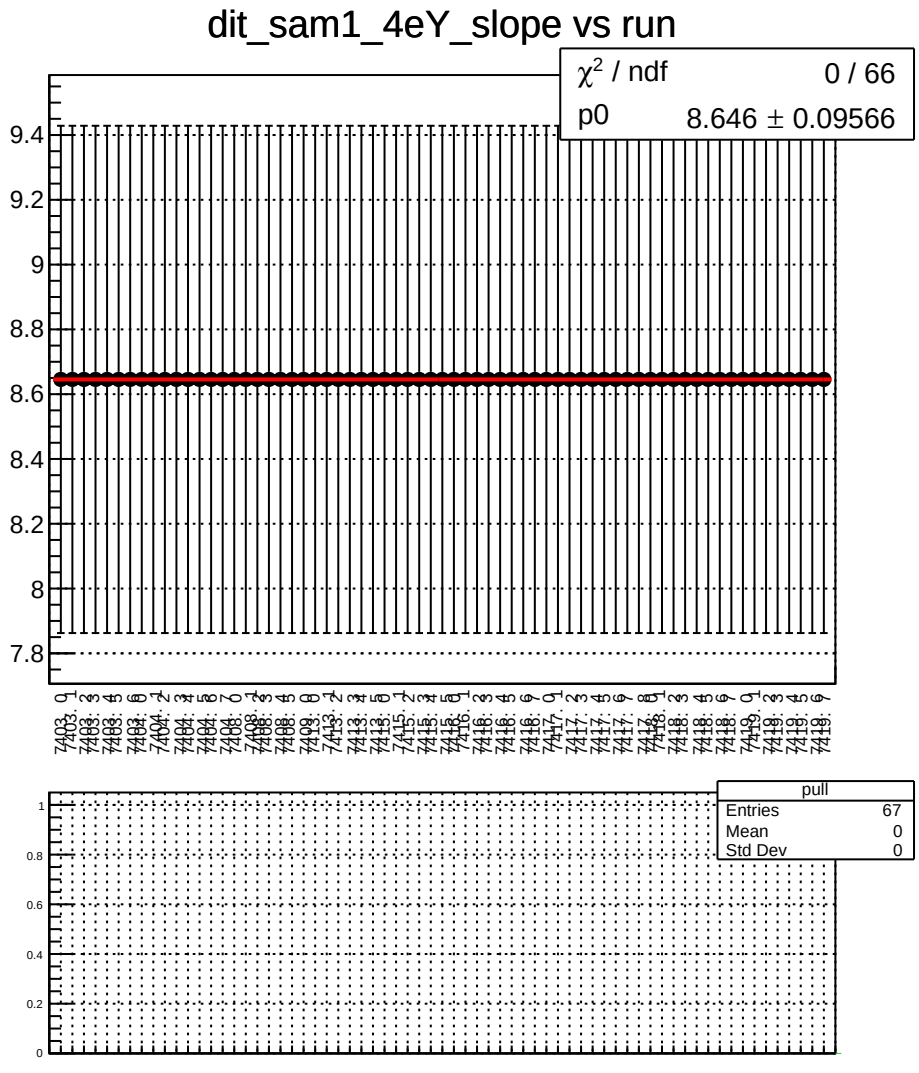

dit_sam1_4eX_slope vs run
χ² / ndf 9.61e−26 / 66
p0 −15.93 ± 0.02865
−15.7
−15.8
−15.9
−16
−16.1
−16.2
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean −3.787e−14
Std Dev4.235e−22

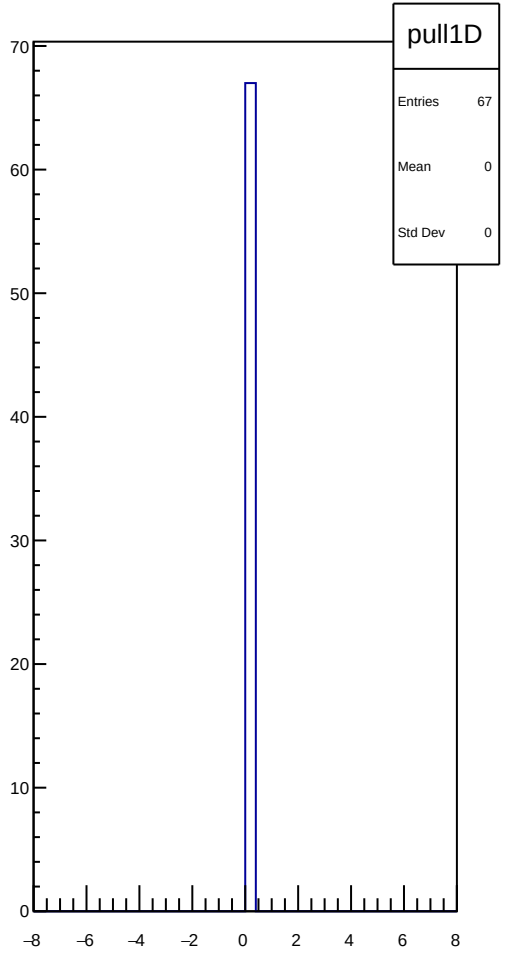

dit_sam1_11X12X_slope vs run
χ² / ndf 0 / 66
p0 0.3237 ± 0.001444
0.335
0.33
0.325
0.32
0.315
0.31
pull
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

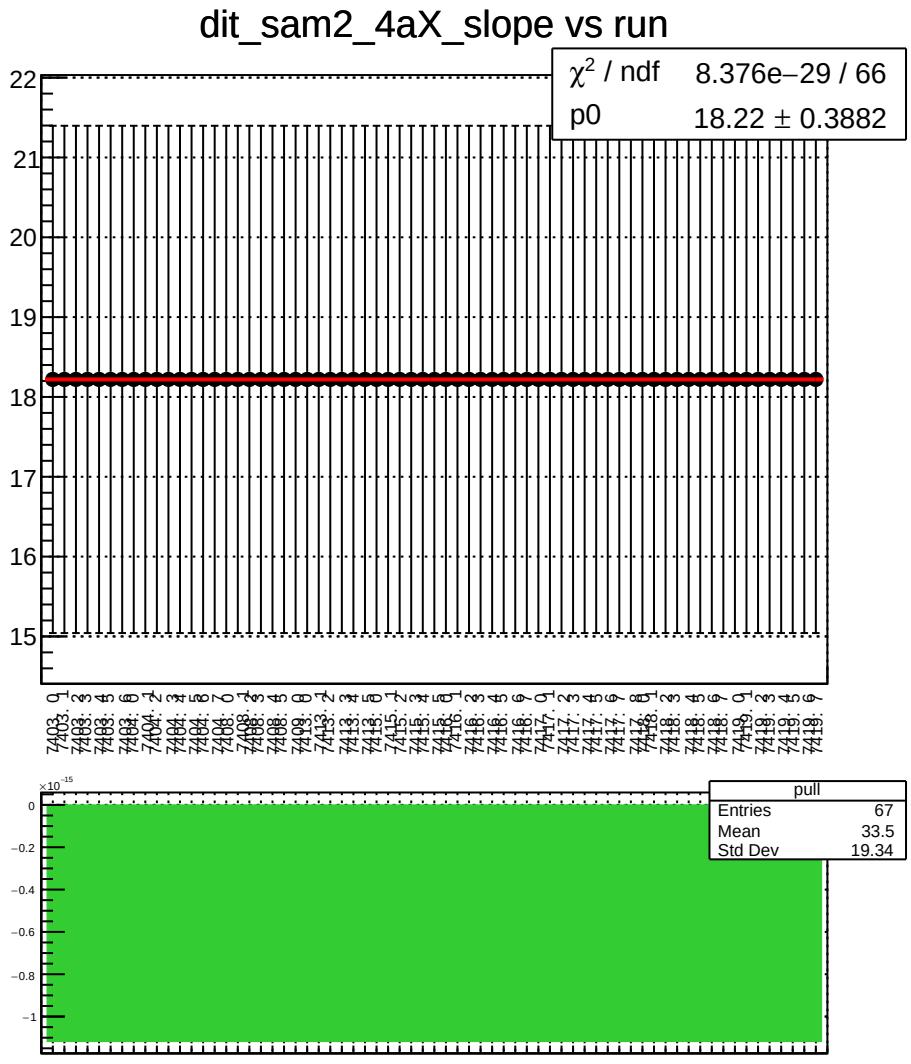

pull1D
Entries 67
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

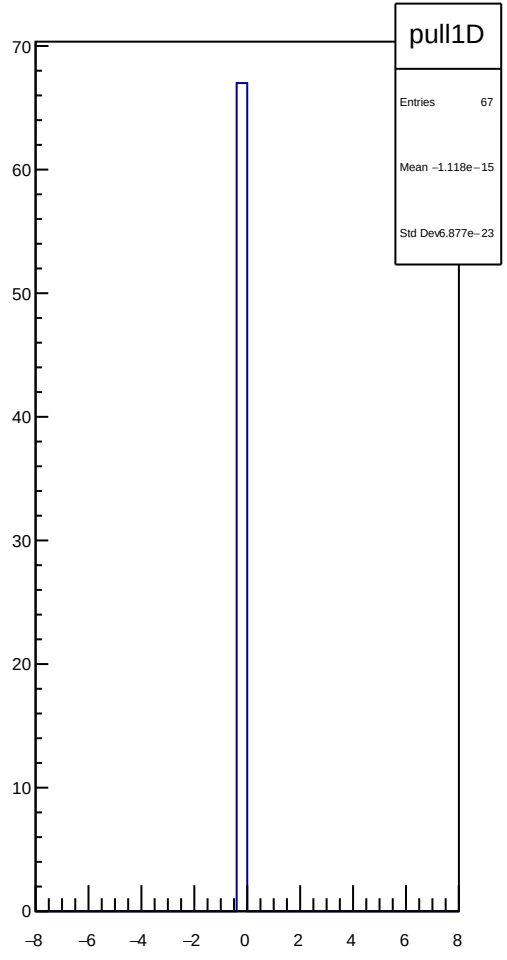

dit_sam1_4aY_slope vs run
χ² / ndf 6.536e−23 / 66
p0 −51.15 ± 0.01494
−51
−51.05
−51.1
−51.15
−51.2
−51.25
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1

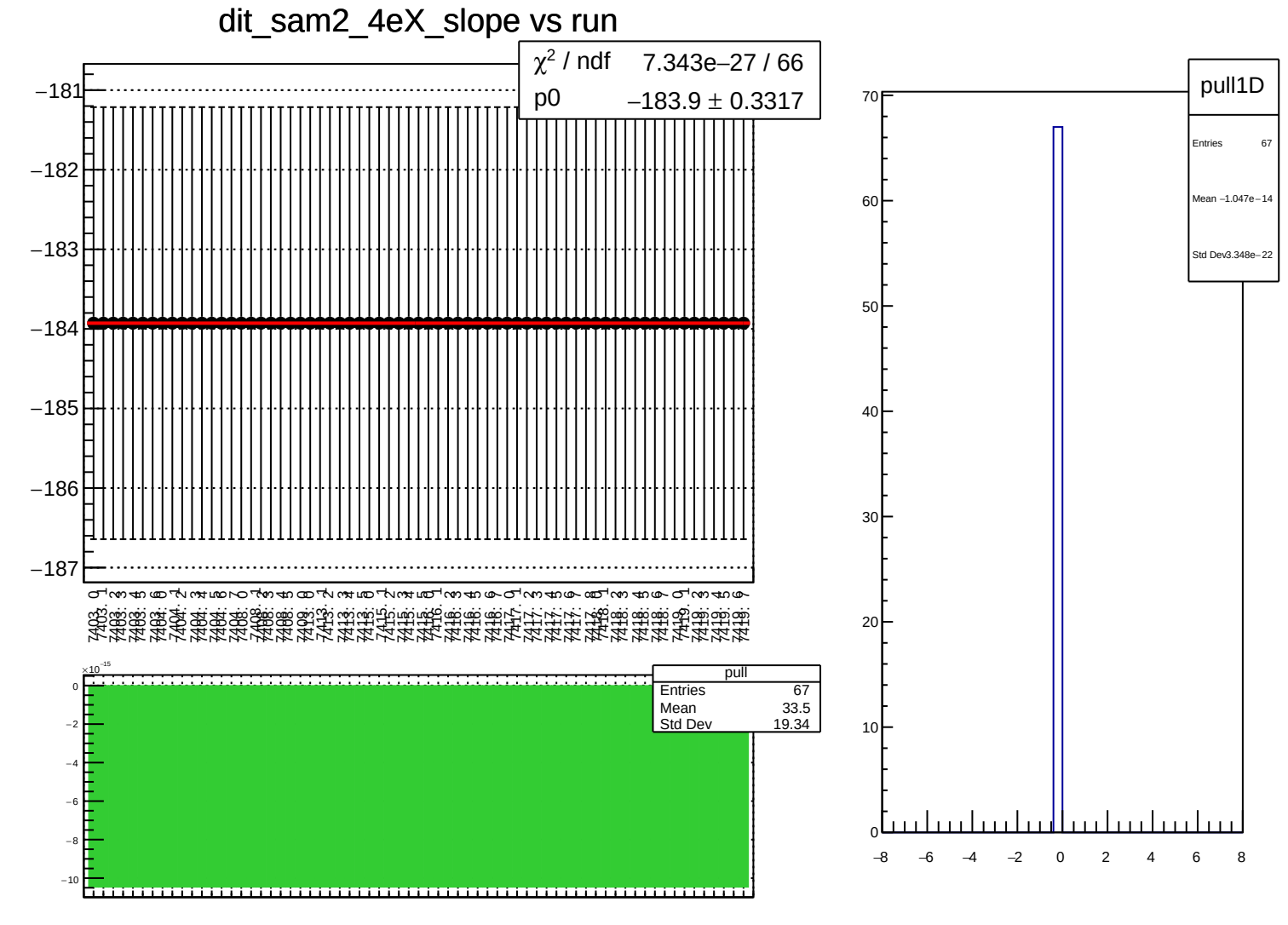

pull1D
Entries 67
Mean −9.877e−13
Std Dev 3.833e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

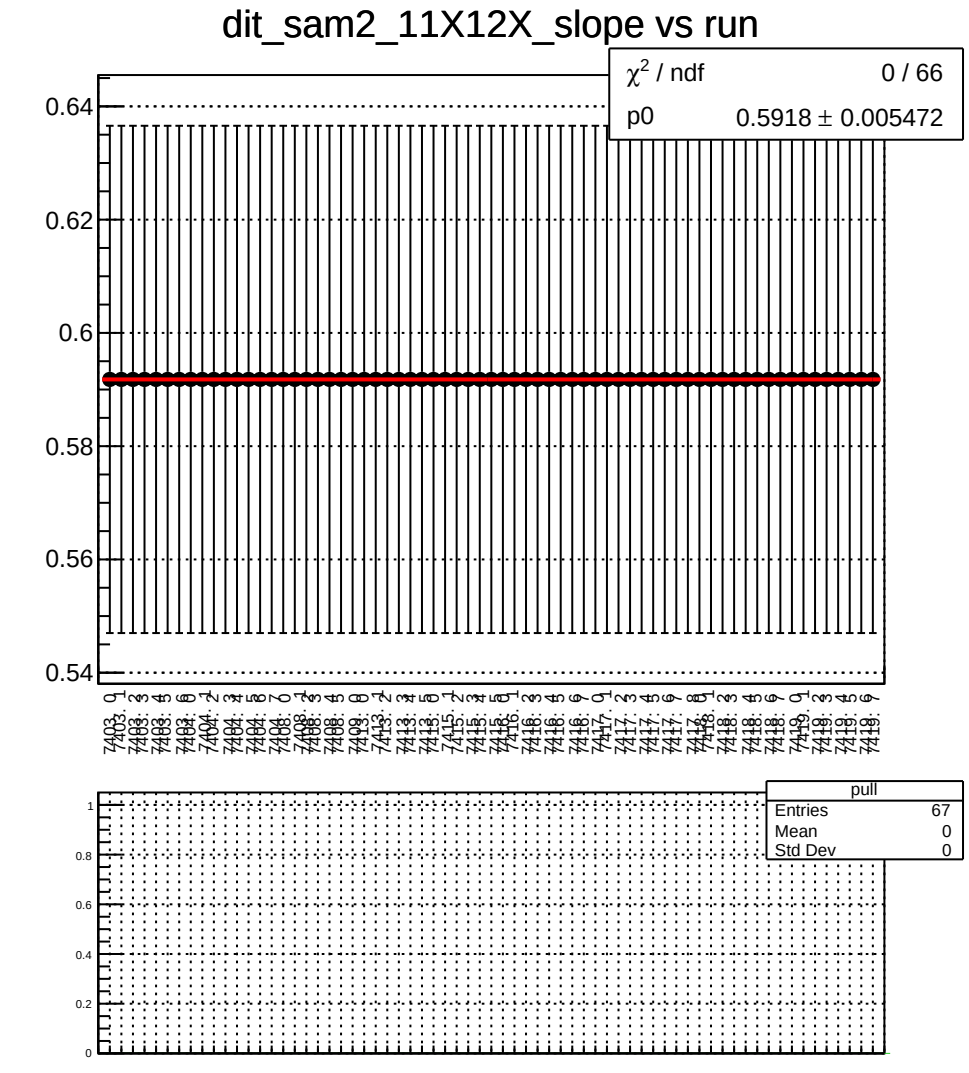

dit_sam1_4eY_slope vs run
χ² / ndf 0 / 66
p0 8.646 ± 0.09566
pull
Entries 67
Mean 0
Std Dev 0

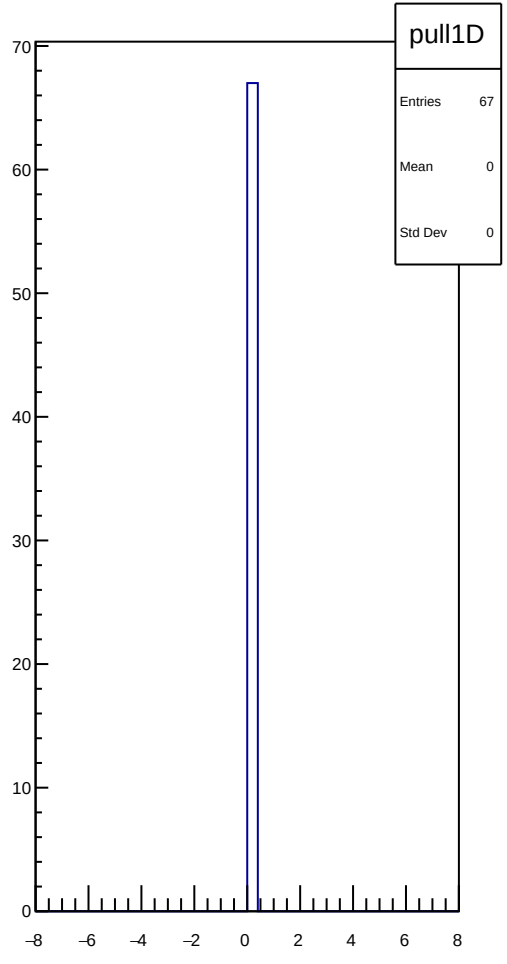

pull1D
Entries 67
Mean 0
Std Dev 0

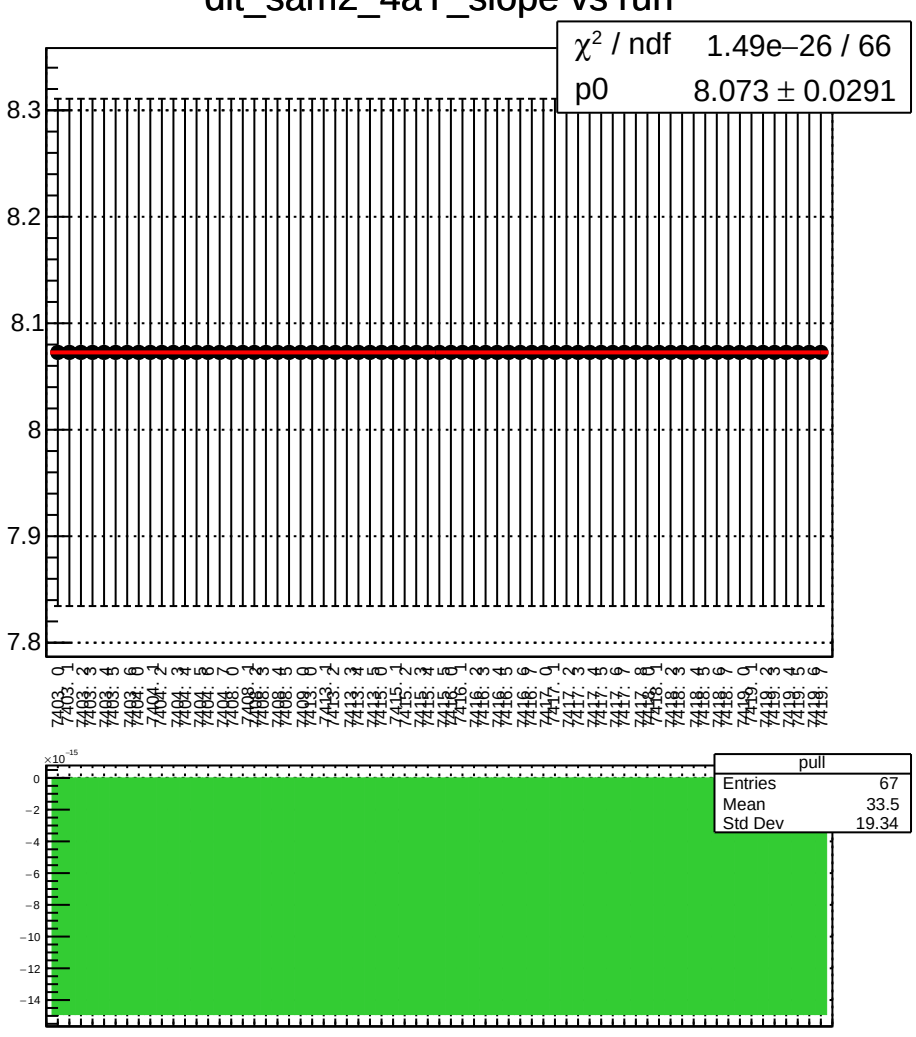

dit_sam2_4aX_slope vs run
χ² / ndf 8.376e−29 / 66
p0 18.22 ± 0.3882
pull
Entries 67
Mean 33.5
Std Dev 19.34

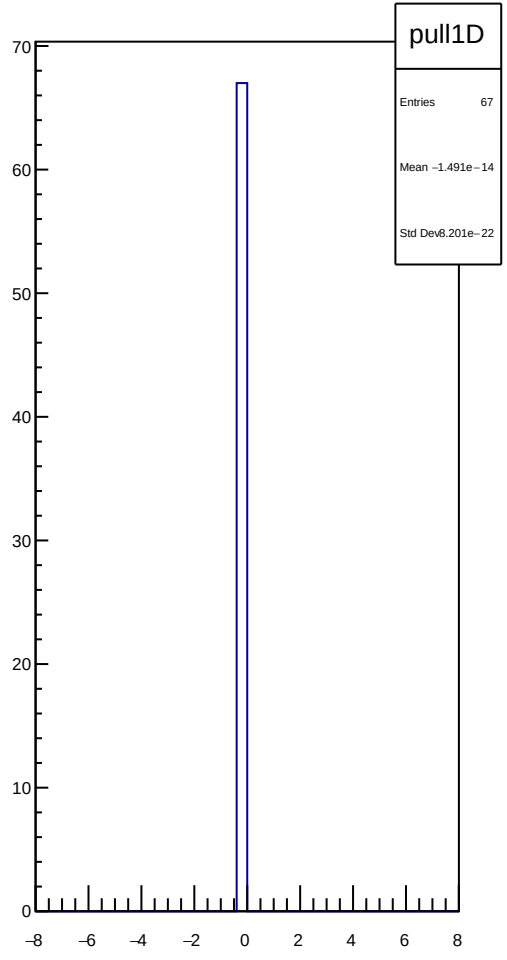

pull1D
Entries 67
Mean −1.118e−15
Std Dev 6.877e−23

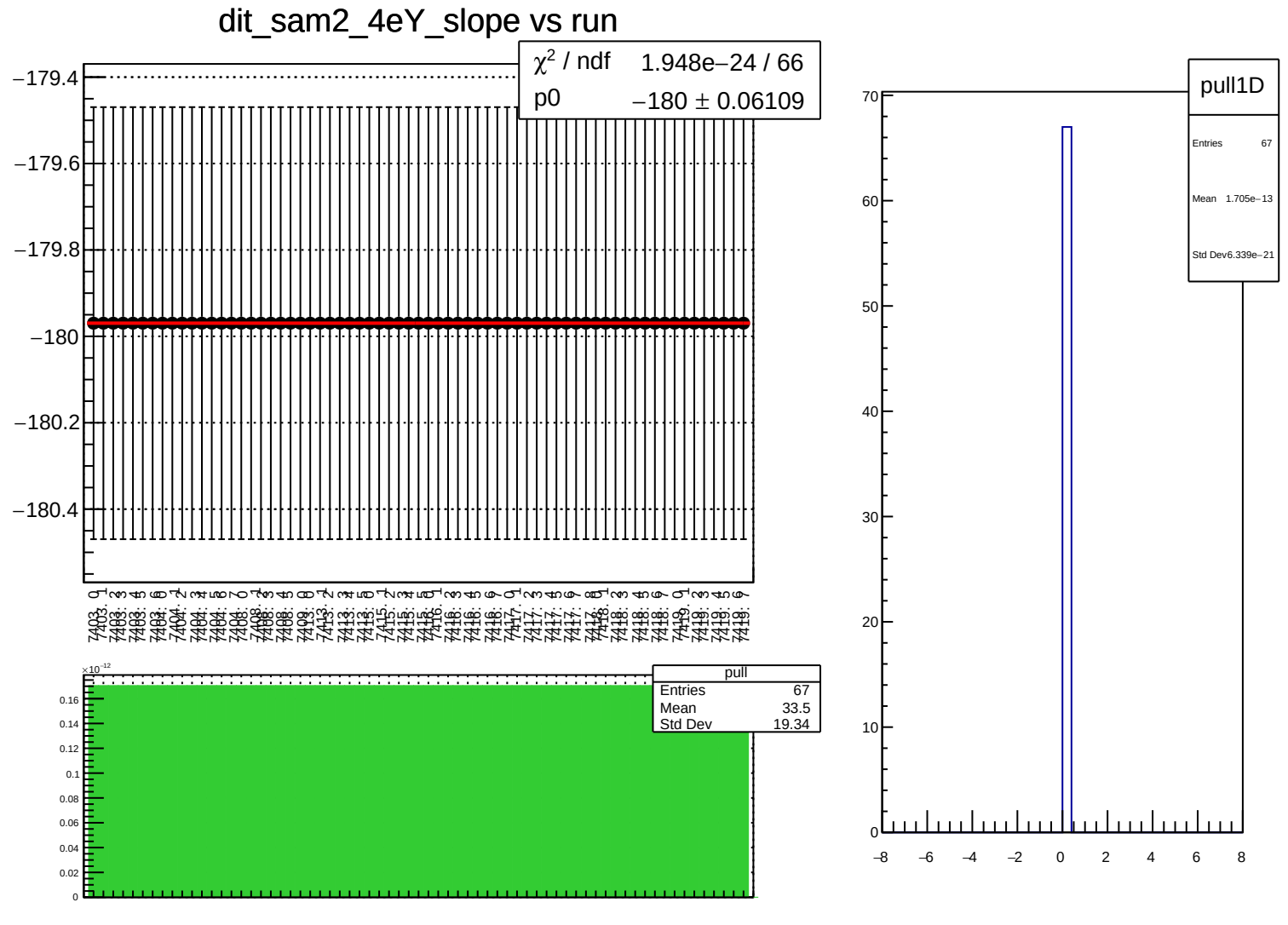

dit_sam2_4eX_slope vs run
χ² / ndf 7.343e−27 / 66
p0 −183.9 ± 0.3317
−181
−182
−183
−184
−185
−186
−187
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 67
Mean −1.047e−14
Std Dev 3.348e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

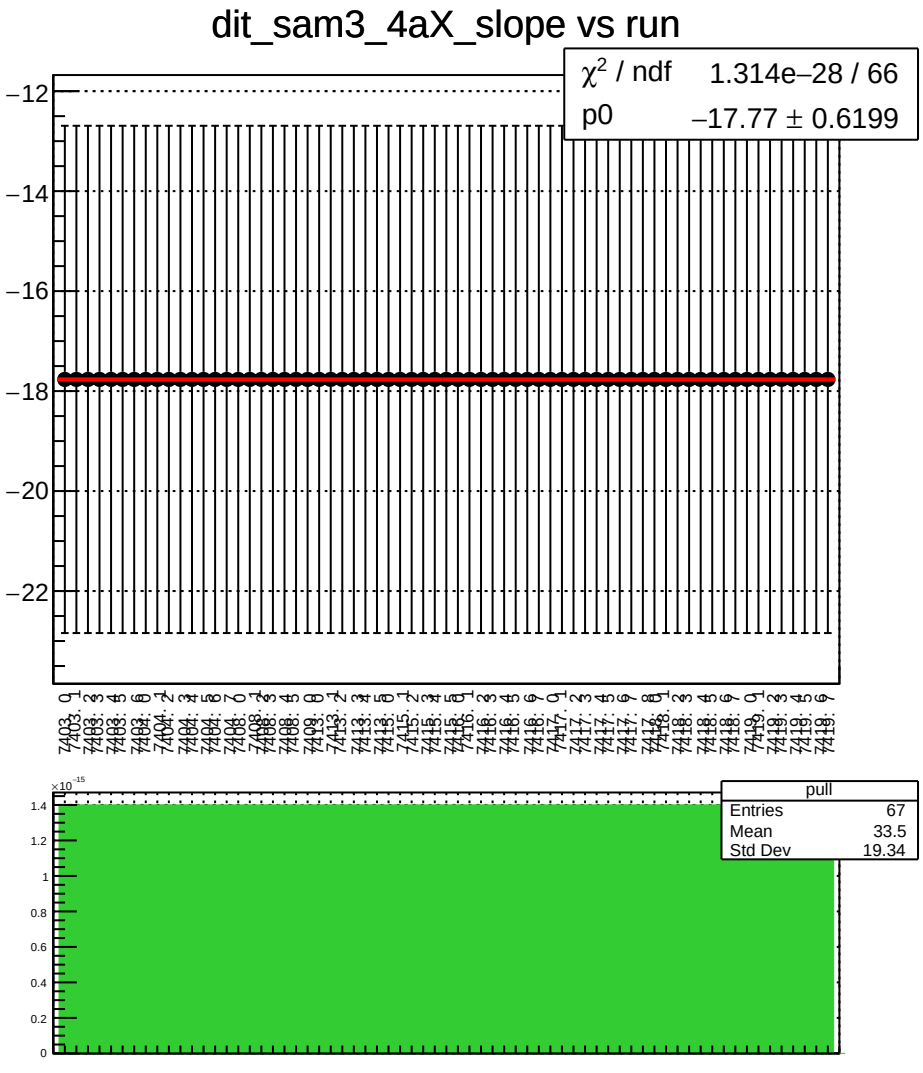

dit_sam2_11X12X_slope vs run
χ² / ndf 0 / 66
p0 0.5918 ± 0.005472
0.64
0.62
0.6
0.58
0.56
0.54
pull
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

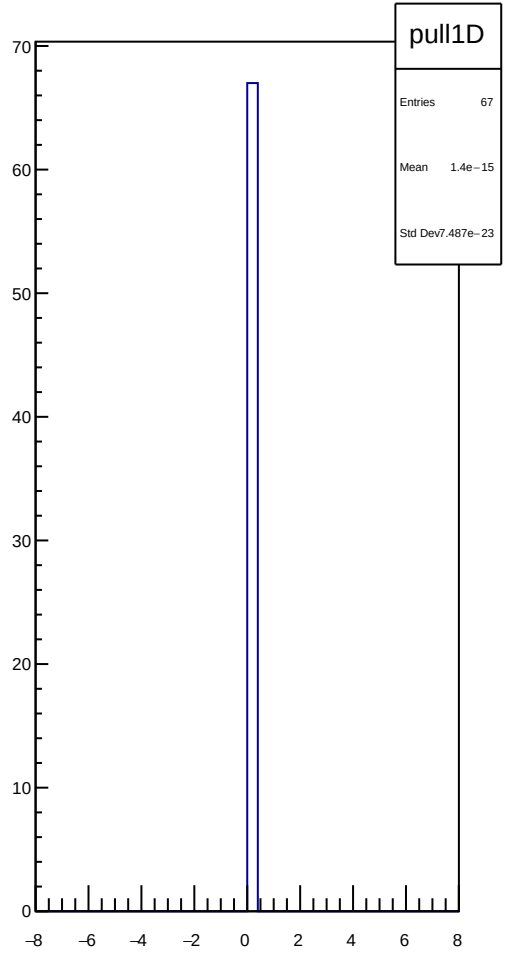

pull1D
Entries 67
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

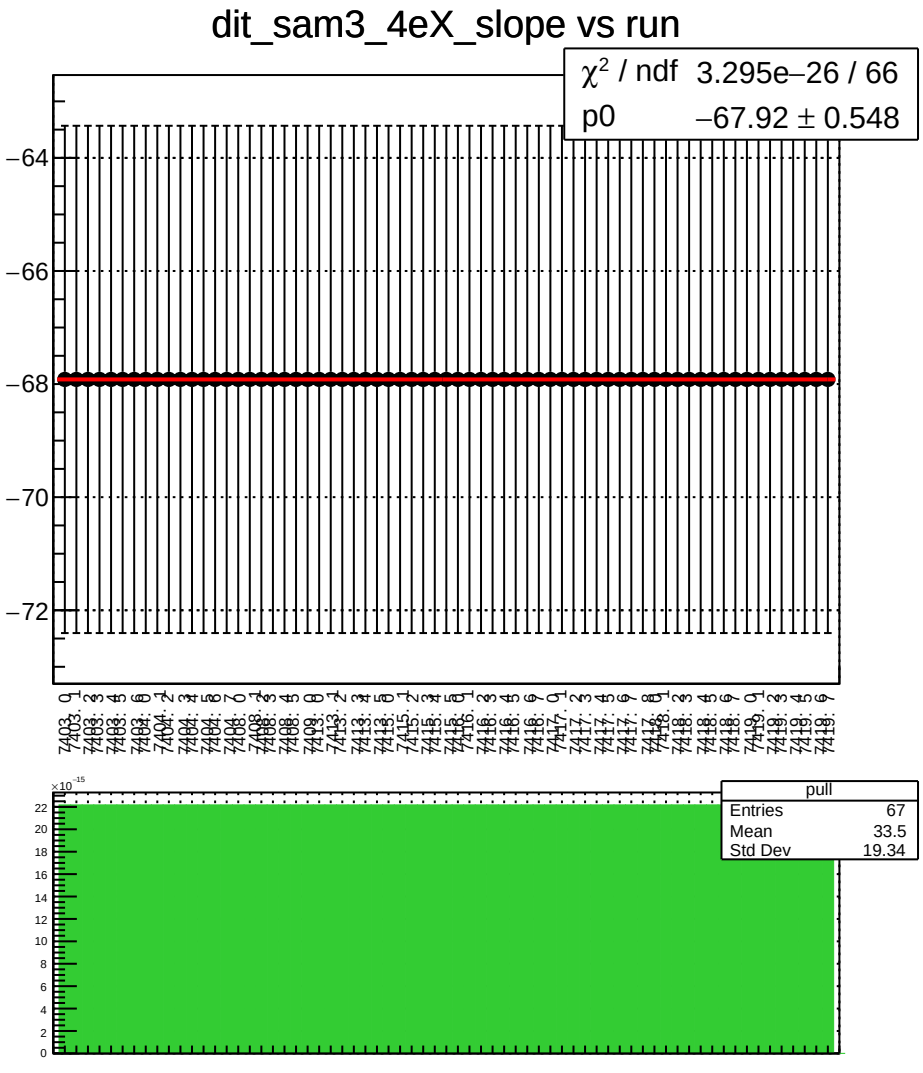

dit_sam2_4aY_slope vs run
χ² / ndf 1.49e−26 / 66
p0 8.073 ± 0.0291
8.3
8.2
8.1
8
7.9
7.8
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

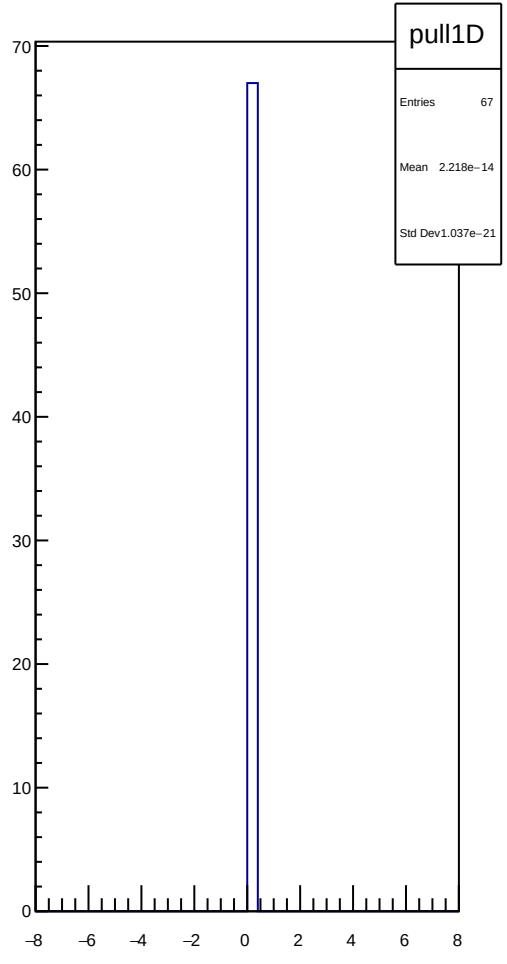

pull1D
Entries 67
Mean −1.491e−14
Std Dev 8.201e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

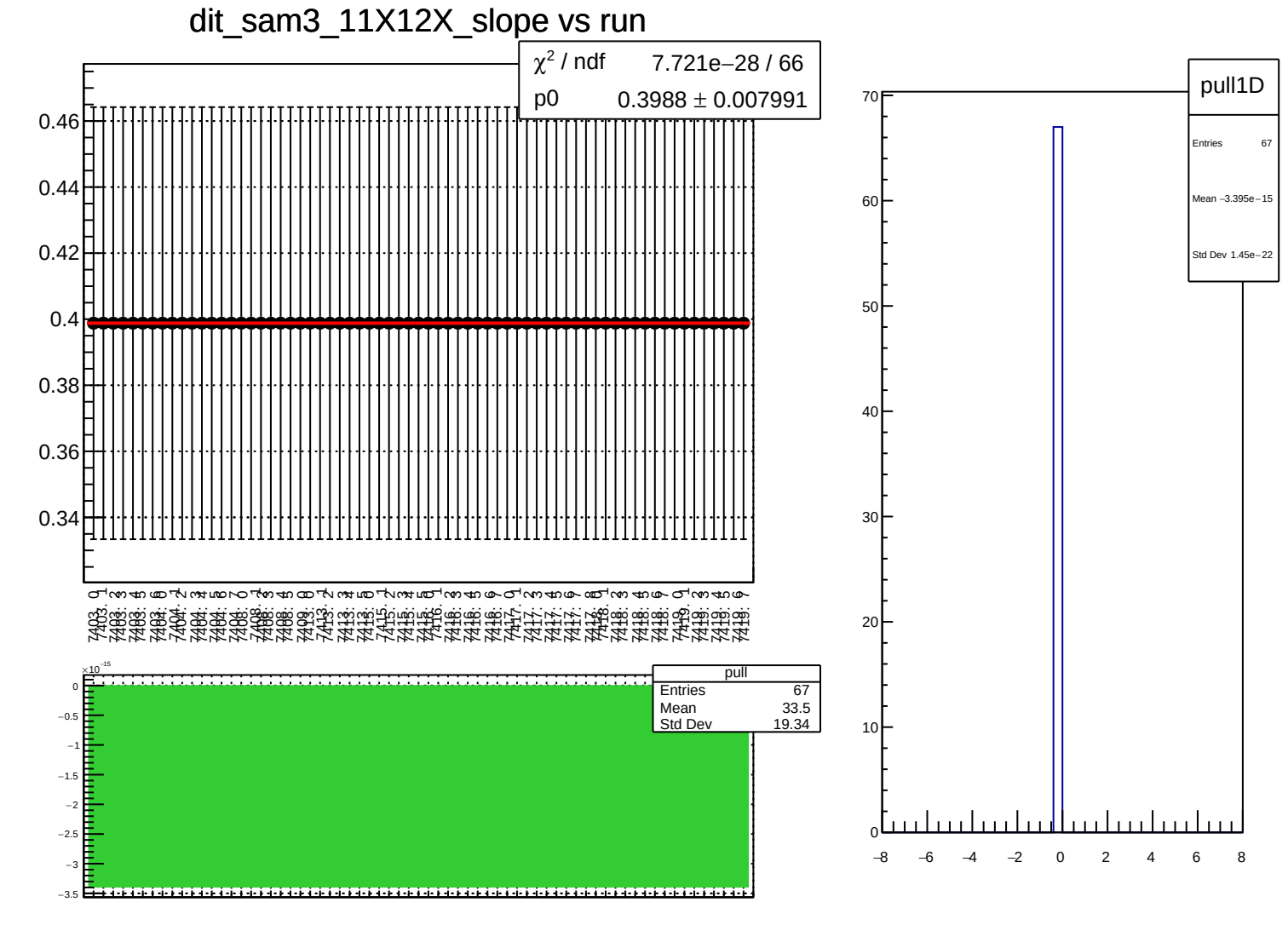

dit_sam2_4eY_slope vs run
χ² / ndf 1.948e−24 / 66
p0 −180 ± 0.06109
−179.4
−179.6
−179.8
−180
−180.2
−180.4
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean 1.705e−13
Std Dev6.339e−21

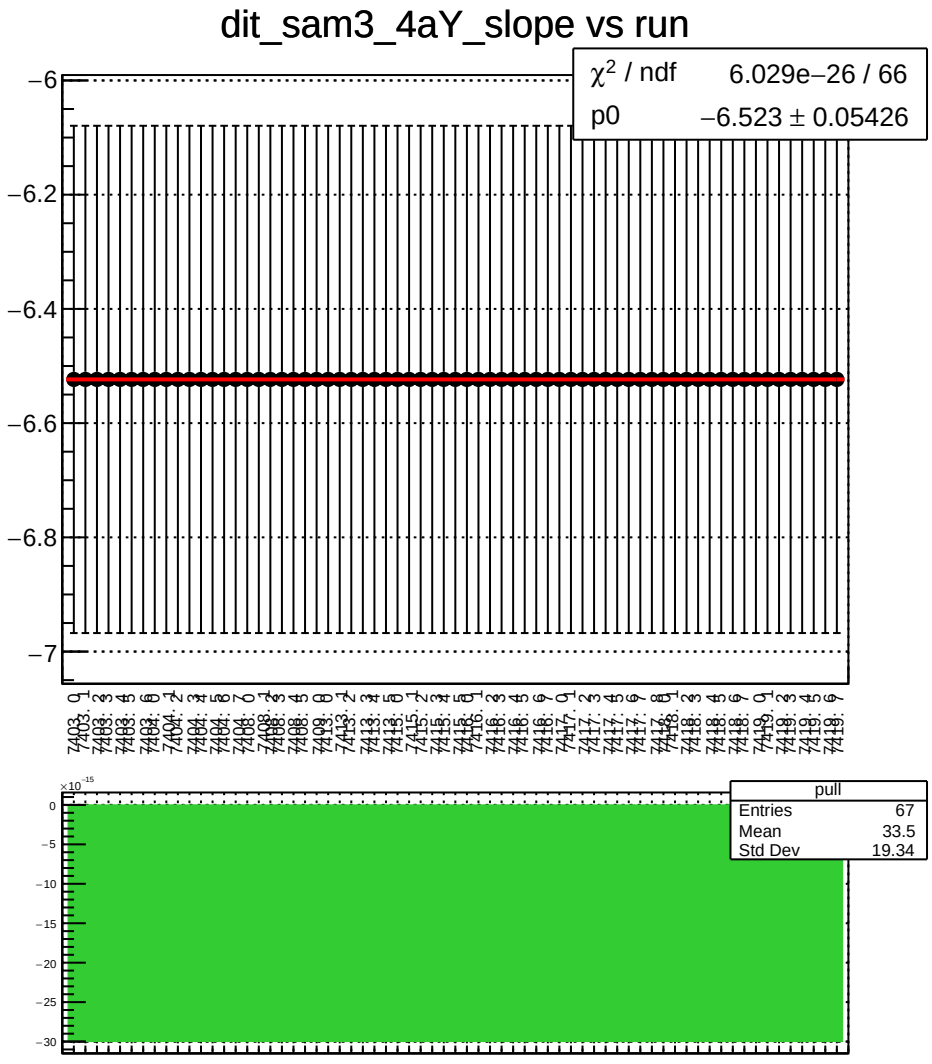

dit_sam3_4aX_slope vs run
χ² / ndf 1.314e−28 / 66
p0 −17.77 ± 0.6199
pull
Entries 67
Mean 33.5
Std Dev 19.34

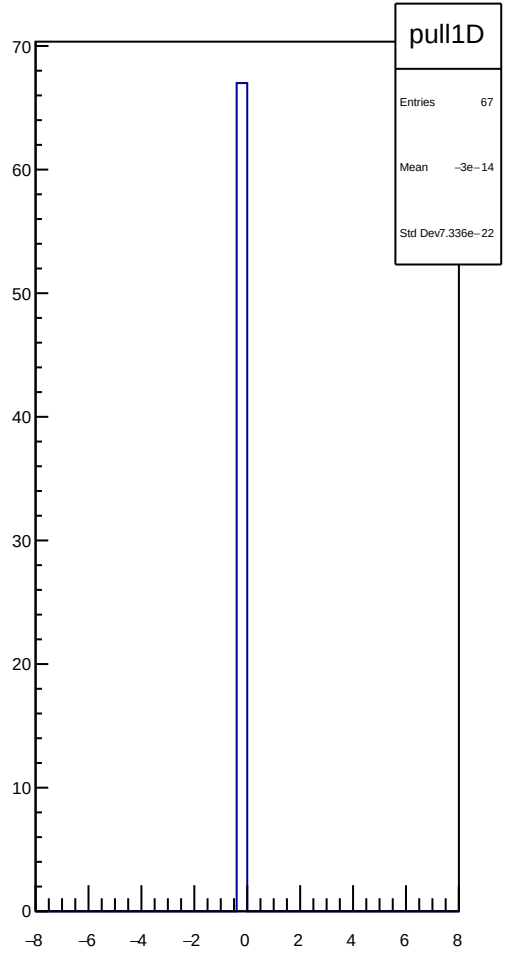

pull1D
Entries 67
Mean 1.4e−15
Std Dev7.487e−23

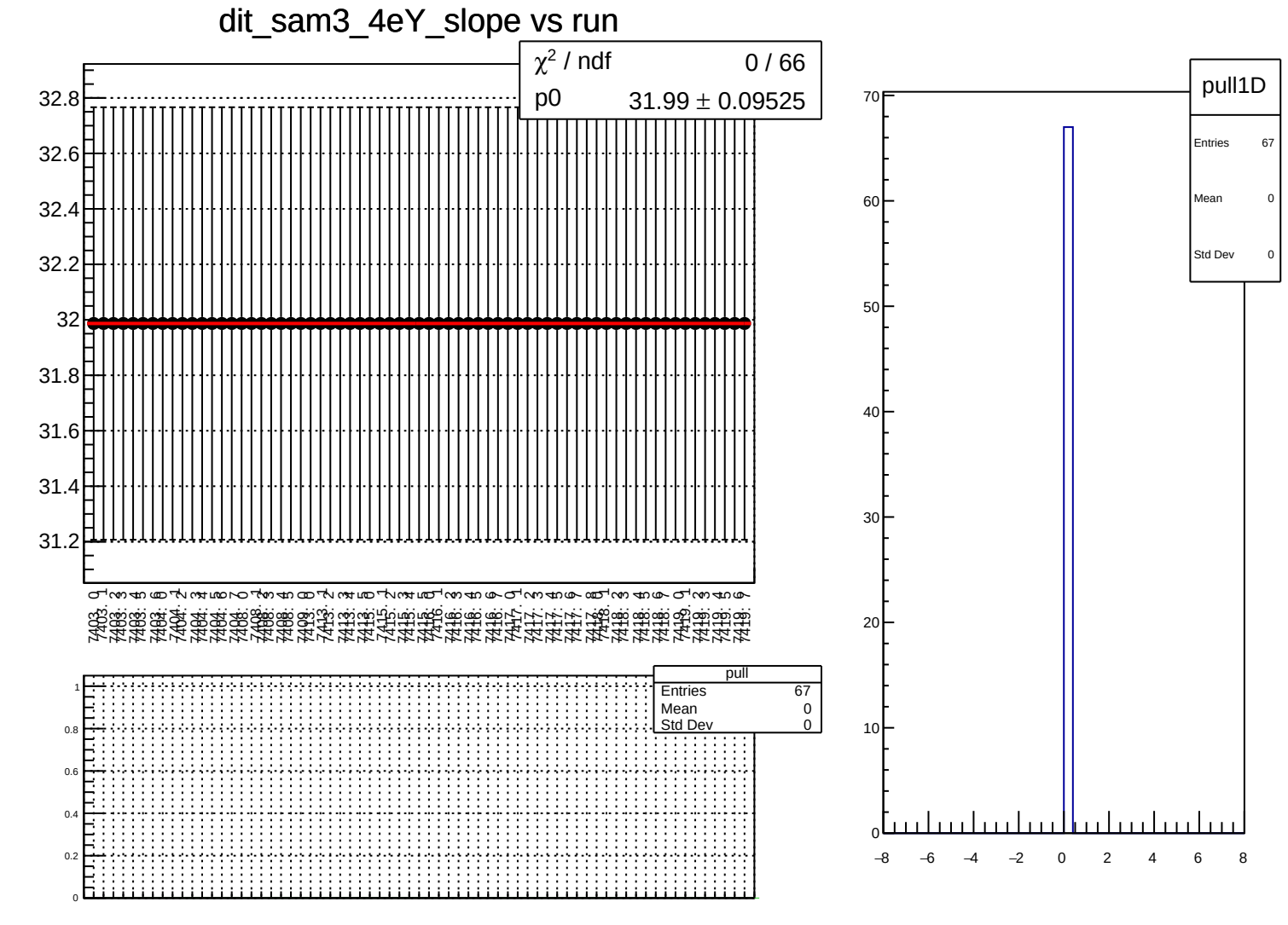

dit_sam3_4eX_slope vs run
χ² / ndf 3.295e−26 / 66
p0 −67.92 ± 0.548
−64
−66
−68
−70
−72
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

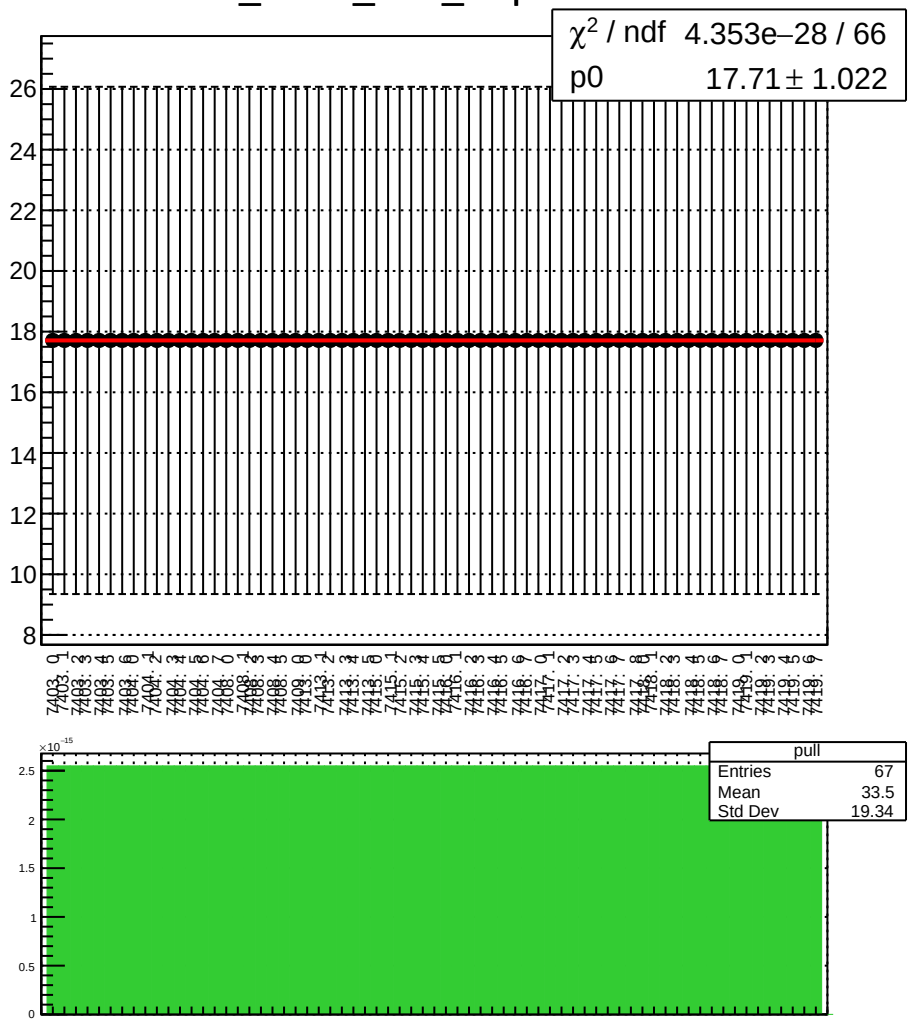

pull1D
Entries 67
Mean 2.218e−14
Std Dev1.037e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

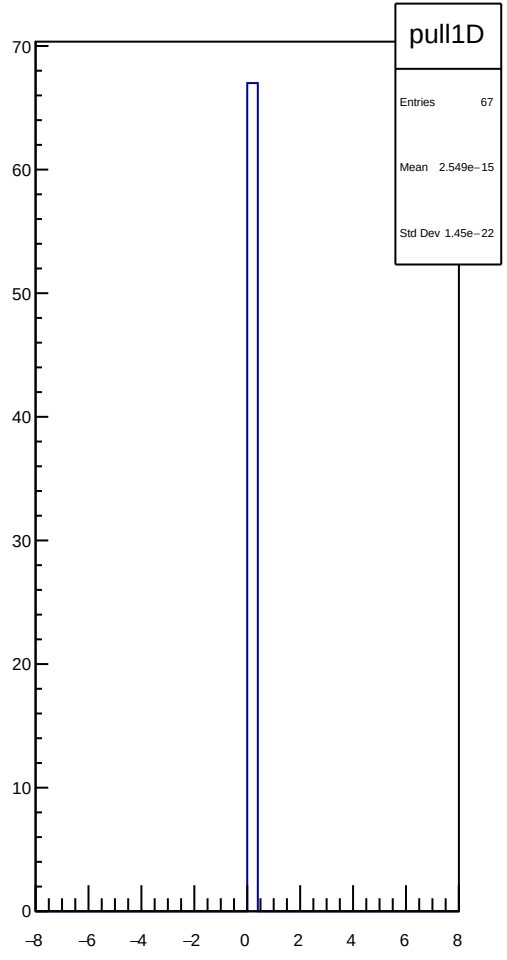

dit_sam3_11X12X_slope vs run
χ² / ndf 7.721e−28 / 66
p0 0.3988 ± 0.007991
0.46
0.44
0.42
0.4
0.38
0.36
0.34
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 67
Mean −3.395e−15
Std Dev 1.45e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

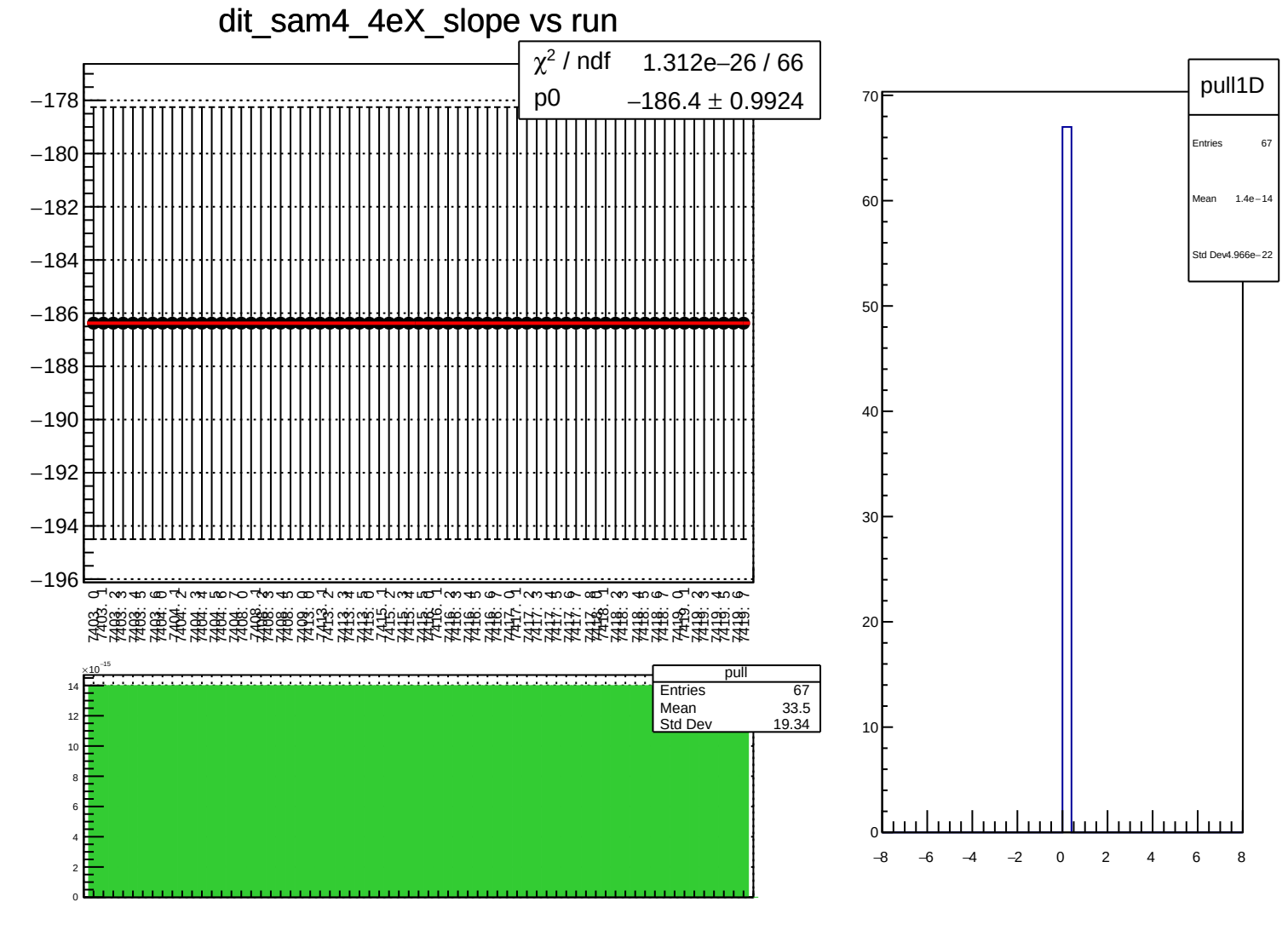

dit_sam3_4aY_slope vs run
χ² / ndf 6.029e−26 / 66
p0 −6.523 ± 0.05426
−6
−6.2
−6.4
−6.6
−6.8
−7
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

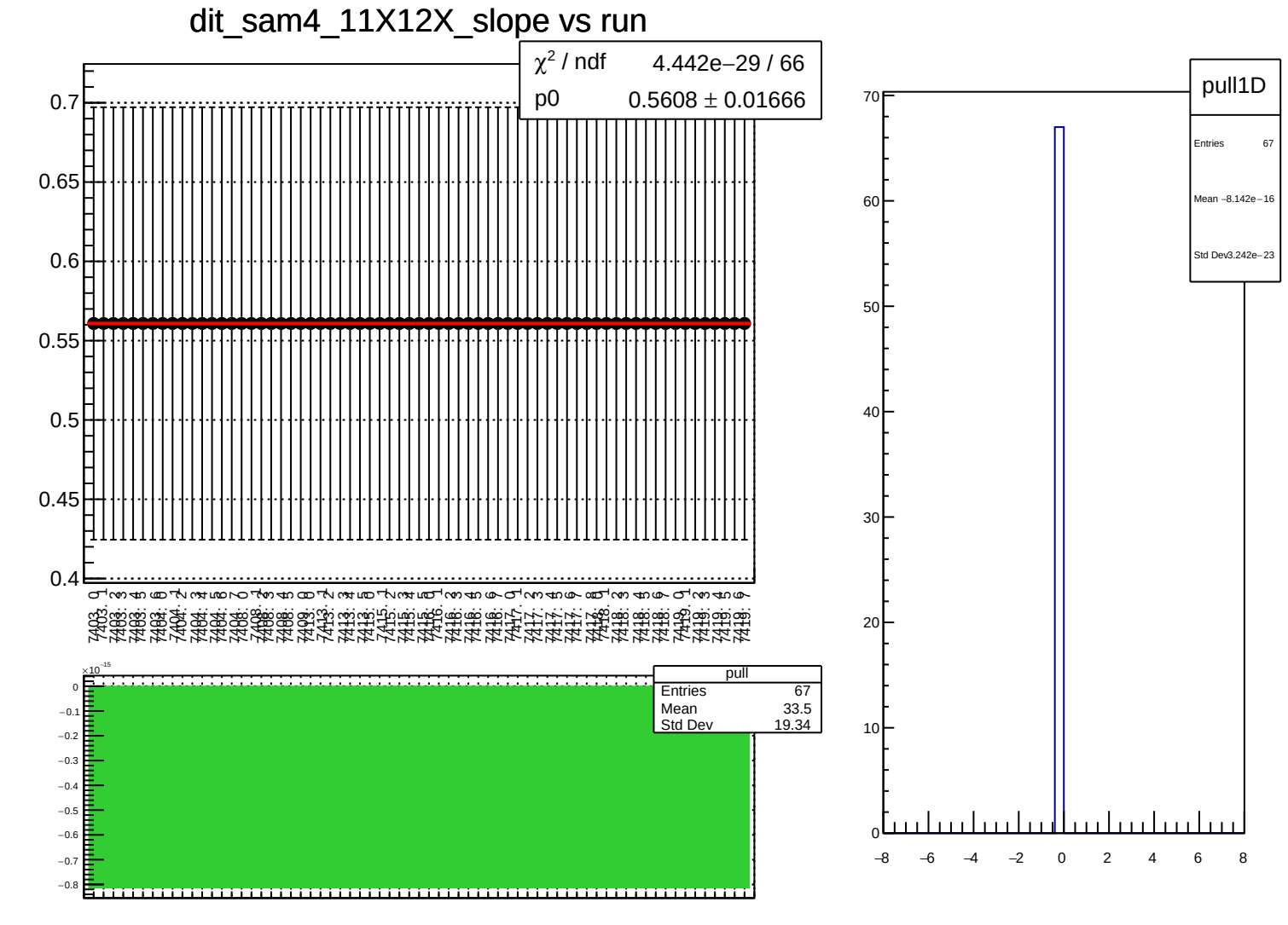

pull1D
Entries 67
Mean −3e−14
Std Dev7.336e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

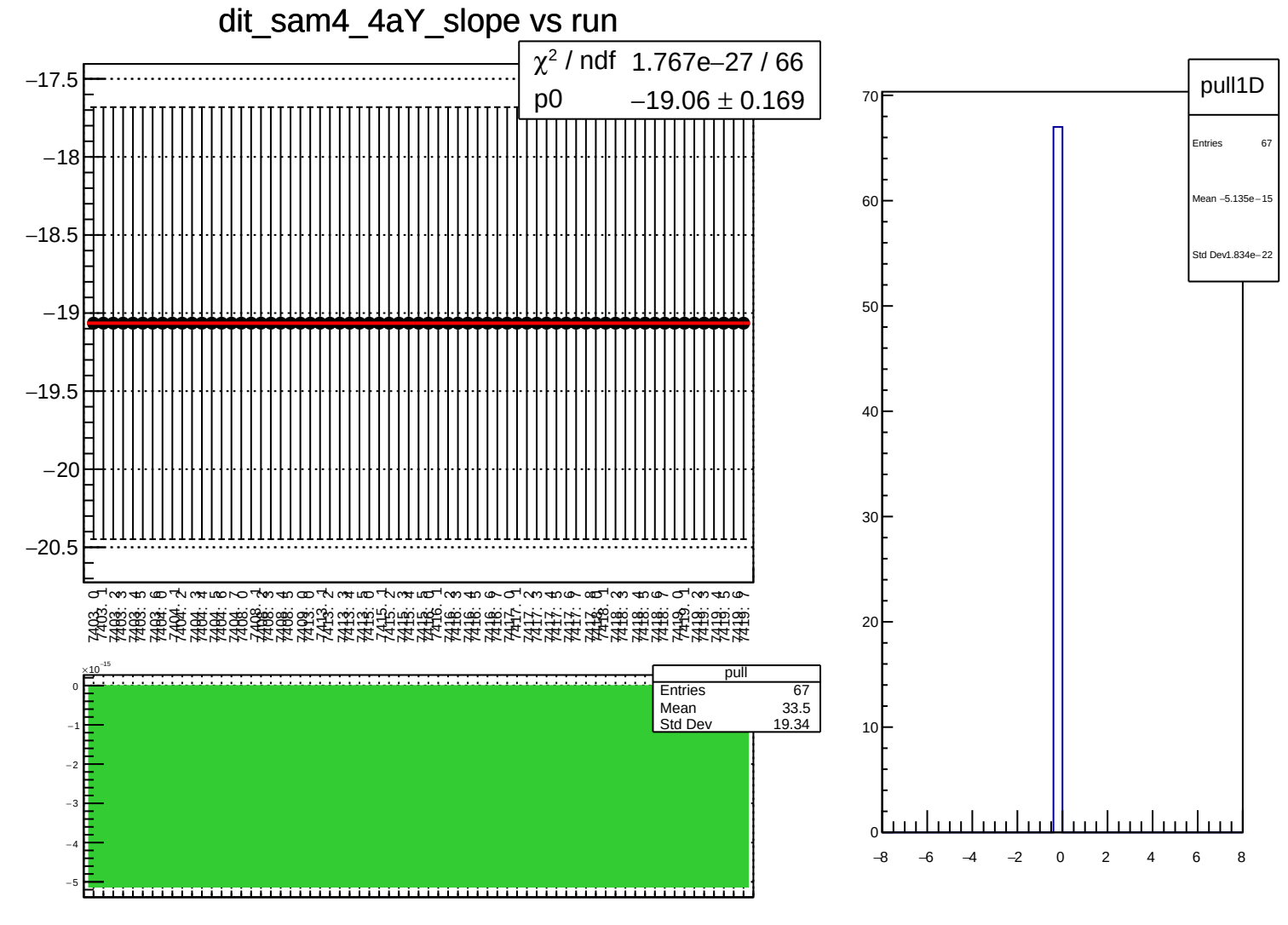

dit_sam3_4eY_slope vs run
χ² / ndf 0 / 66
p0 31.99 ± 0.09525
32.8
32.6
32.4
32.2
32
31.8
31.6
31.4
31.2
pull
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 67
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

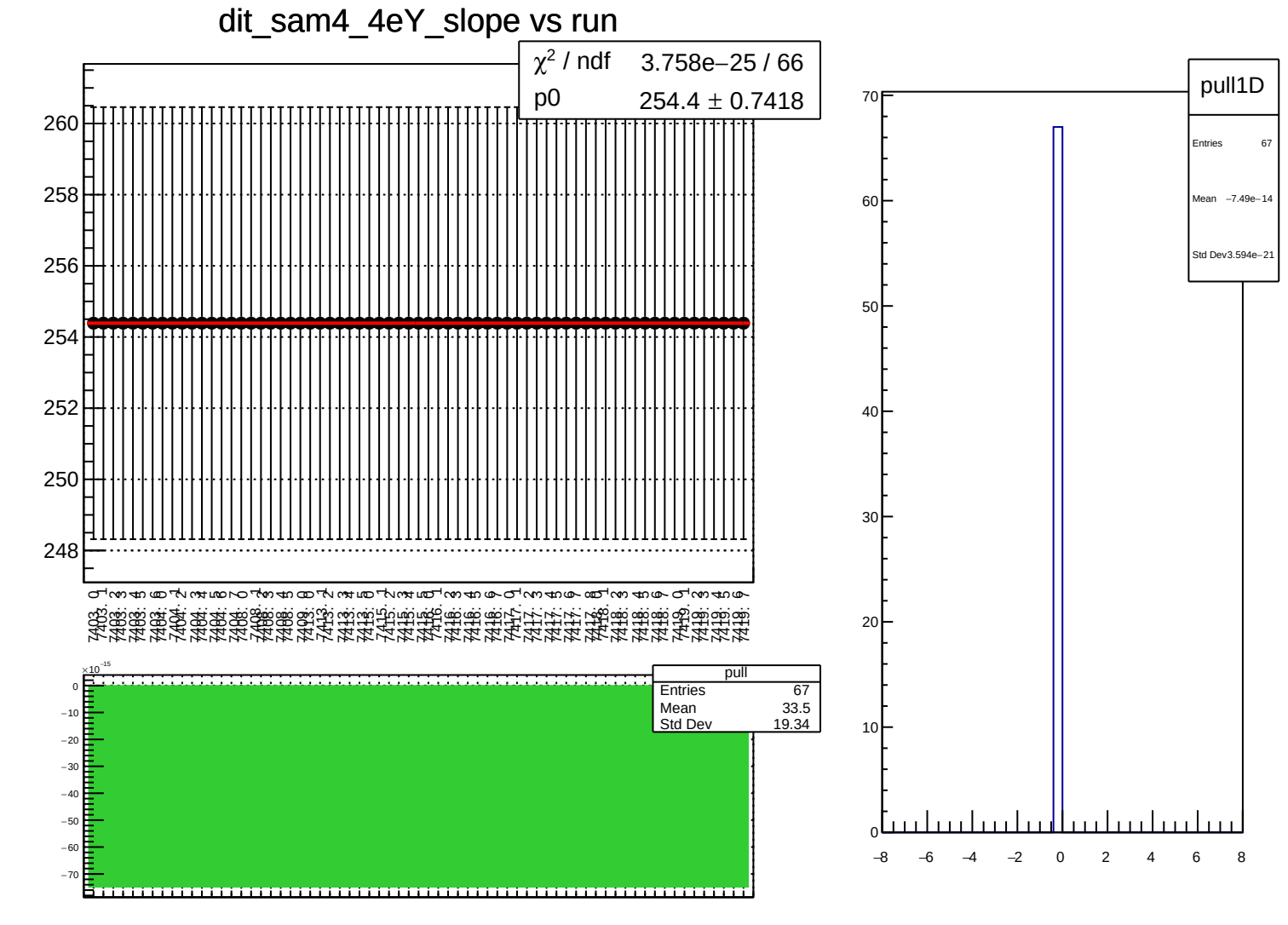

dit_sam4_4aX_slope vs run
χ² / ndf 4.353e−28 / 66
p0 17.71 ± 1.022
pull
Entries 67
Mean 33.5
Std Dev 19.34

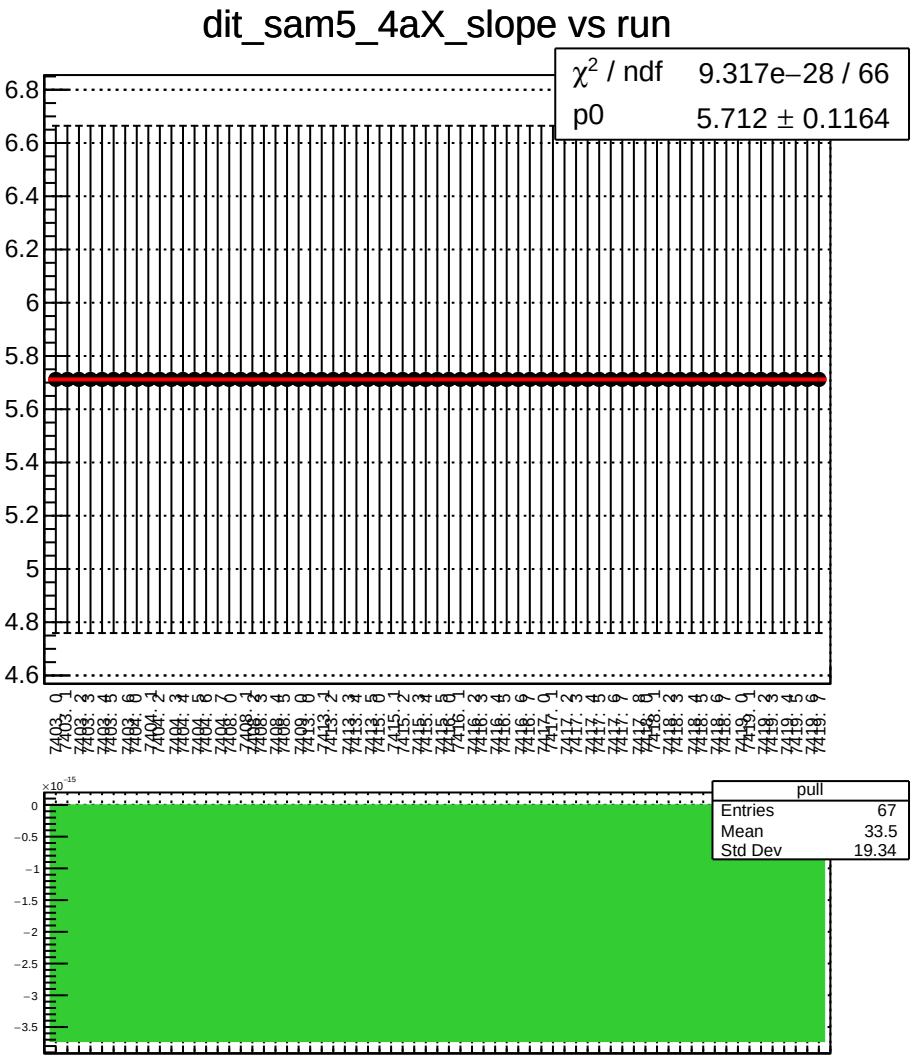

pull1D
Entries 67
Mean 2.549e−15
Std Dev 1.45e−22

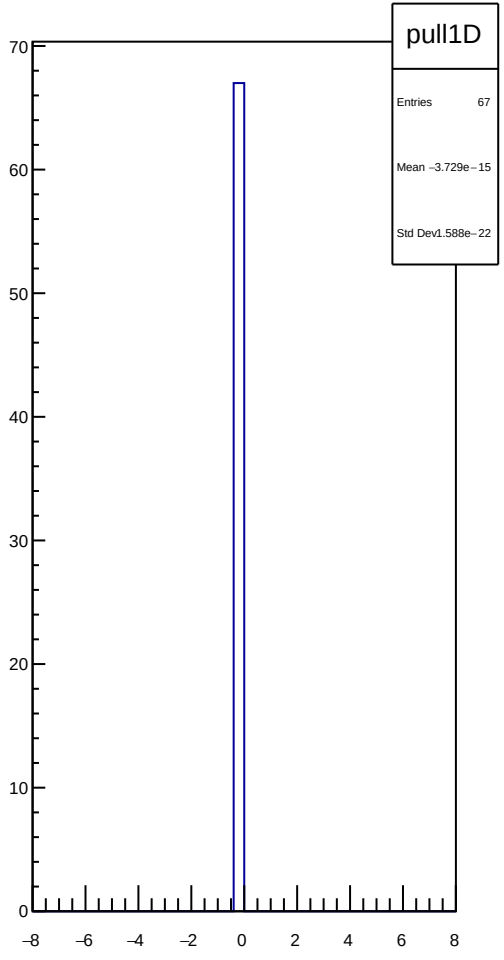

dit_sam4_4eX_slope vs run
χ² / ndf 1.312e−26 / 66
p0 −186.4 ± 0.9924
−178
−180
−182
−184
−186
−188
−190
−192
−194
−196
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull1D
Entries 67
Mean 1.4e−14
Std Dev 4.966e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

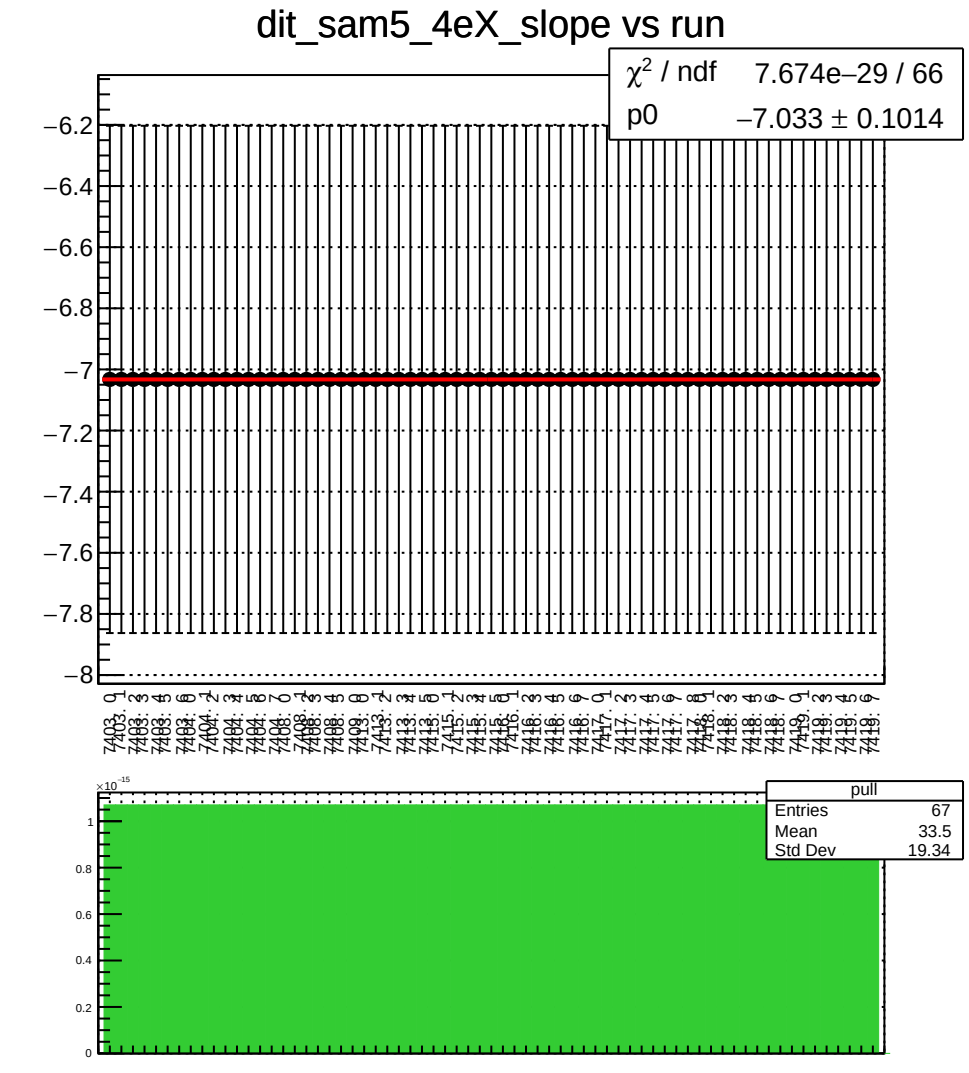

dit_sam4_11X12X_slope vs run
χ² / ndf 4.442e−29 / 66
p0 0.5608 ± 0.01666
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean −8.142e−16
Std Dev 3.242e−23

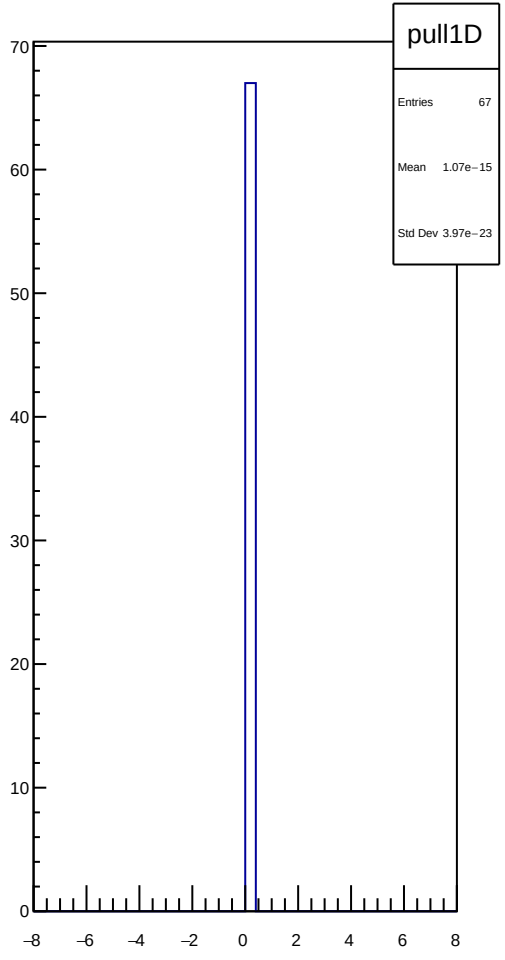

dit_sam4_4aY_slope vs run
χ² / ndf 1.767e−27 / 66
p0 −19.06 ± 0.169
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean −5.135e−15
Std Dev1.834e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

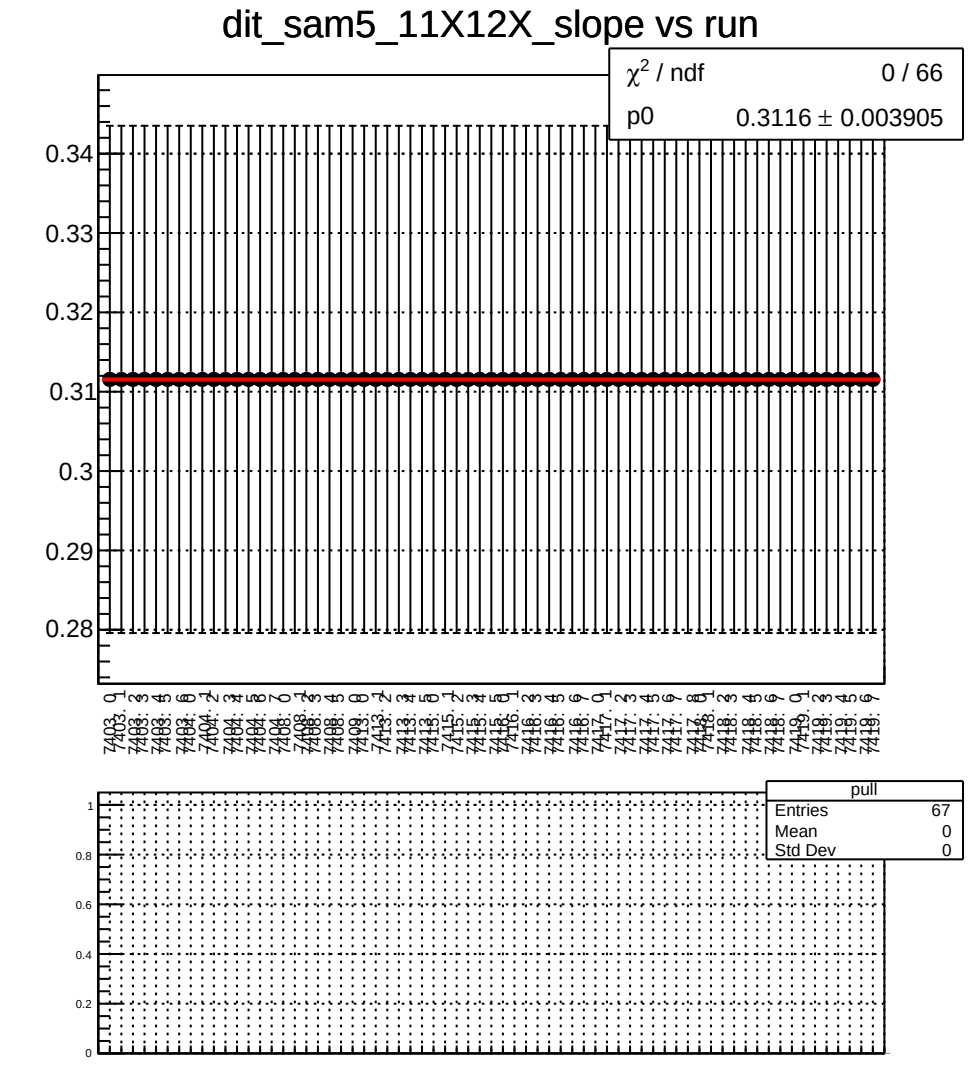

dit_sam4_4eY_slope vs run
χ² / ndf 3.758e−25 / 66
p0 254.4 ± 0.7418
260
258
256
254
252
250
248
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 67
Mean −7.49e−14
Std Dev3.594e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

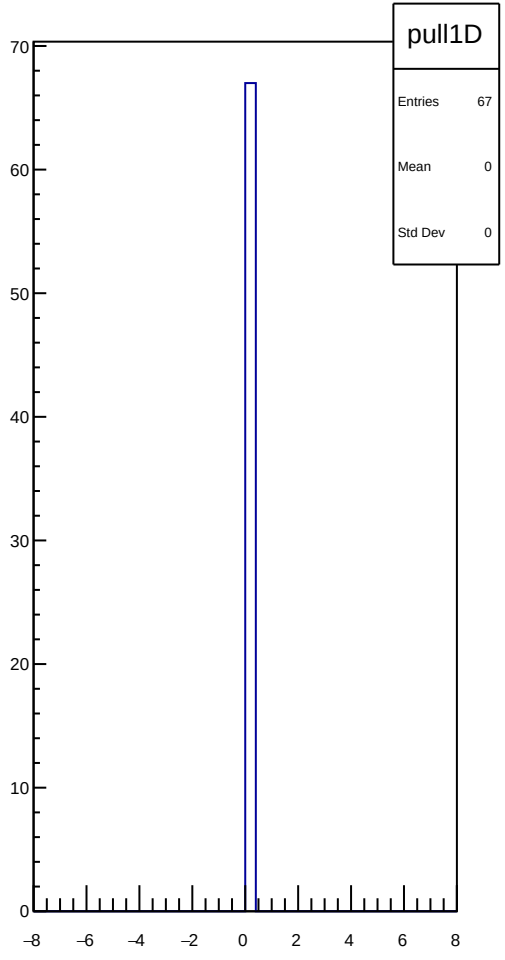

dit_sam5_4aX_slope vs run
$\chi^2$ / ndf 9.317e−28 / 66
p0 5.712 ± 0.1164
pull
Entries 67
Mean 33.5
Std Dev 19.34

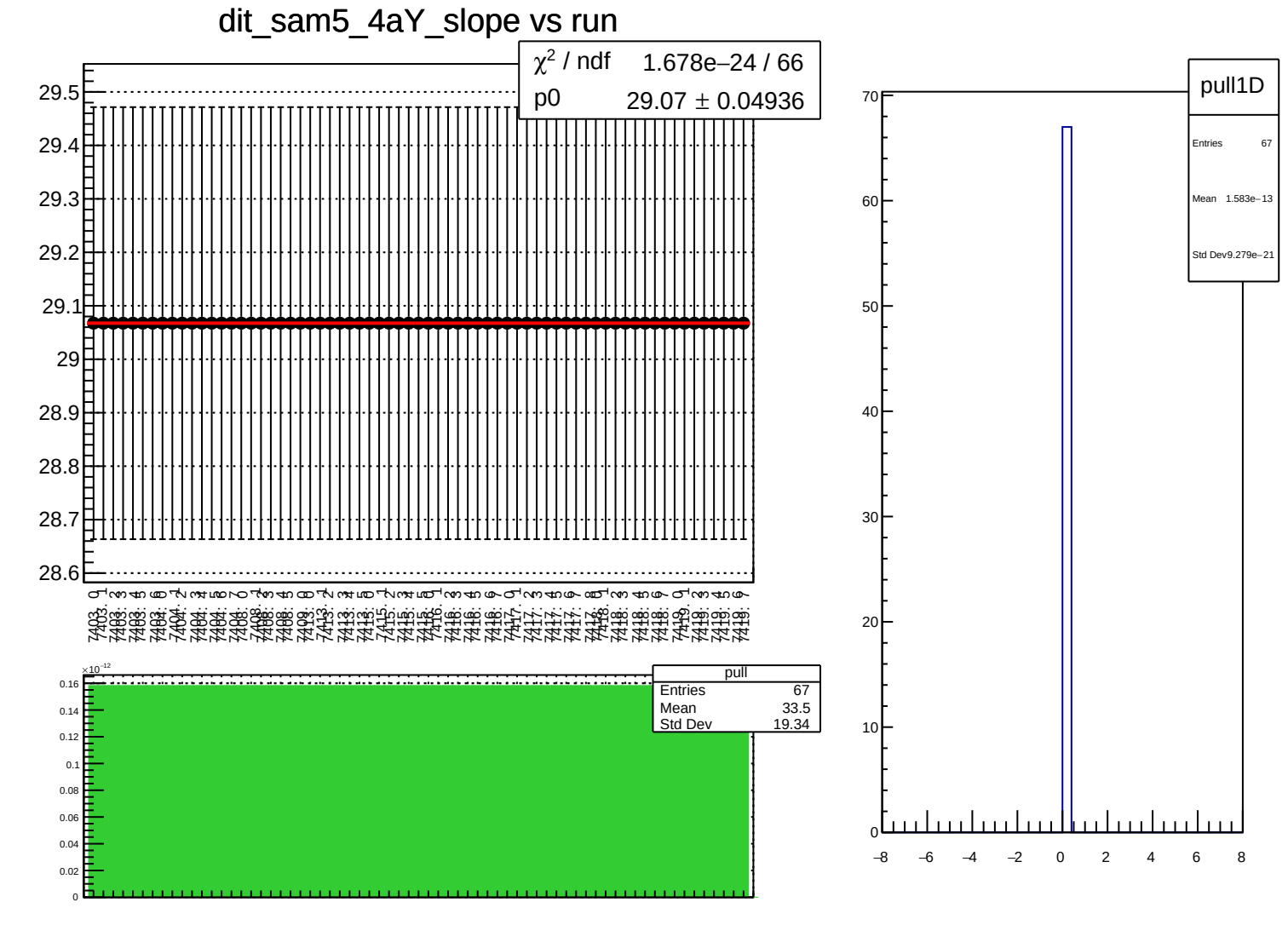

pull1D
Entries 67
Mean −3.729e−15
Std Dev1.588e−22

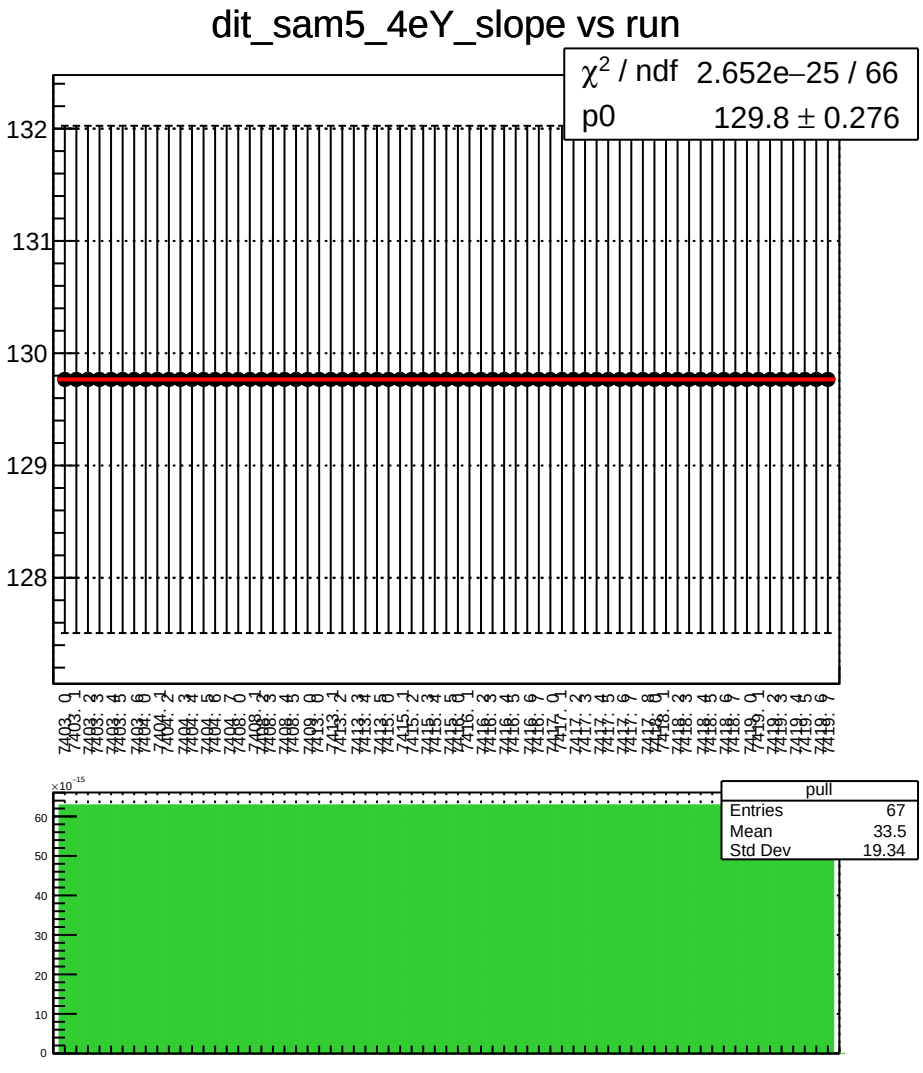

dit_sam5_4eX_slope vs run
χ² / ndf 7.674e−29 / 66
p0 −7.033 ± 0.1014
pull
Entries 67
Mean 33.5
Std Dev 19.34

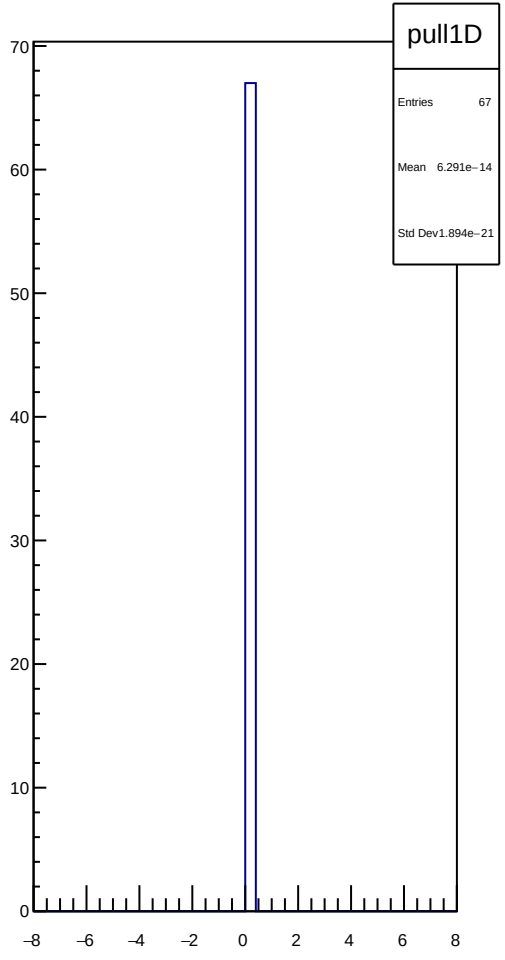

pull1D
Entries 67
Mean 1.07e−15
Std Dev 3.97e−23

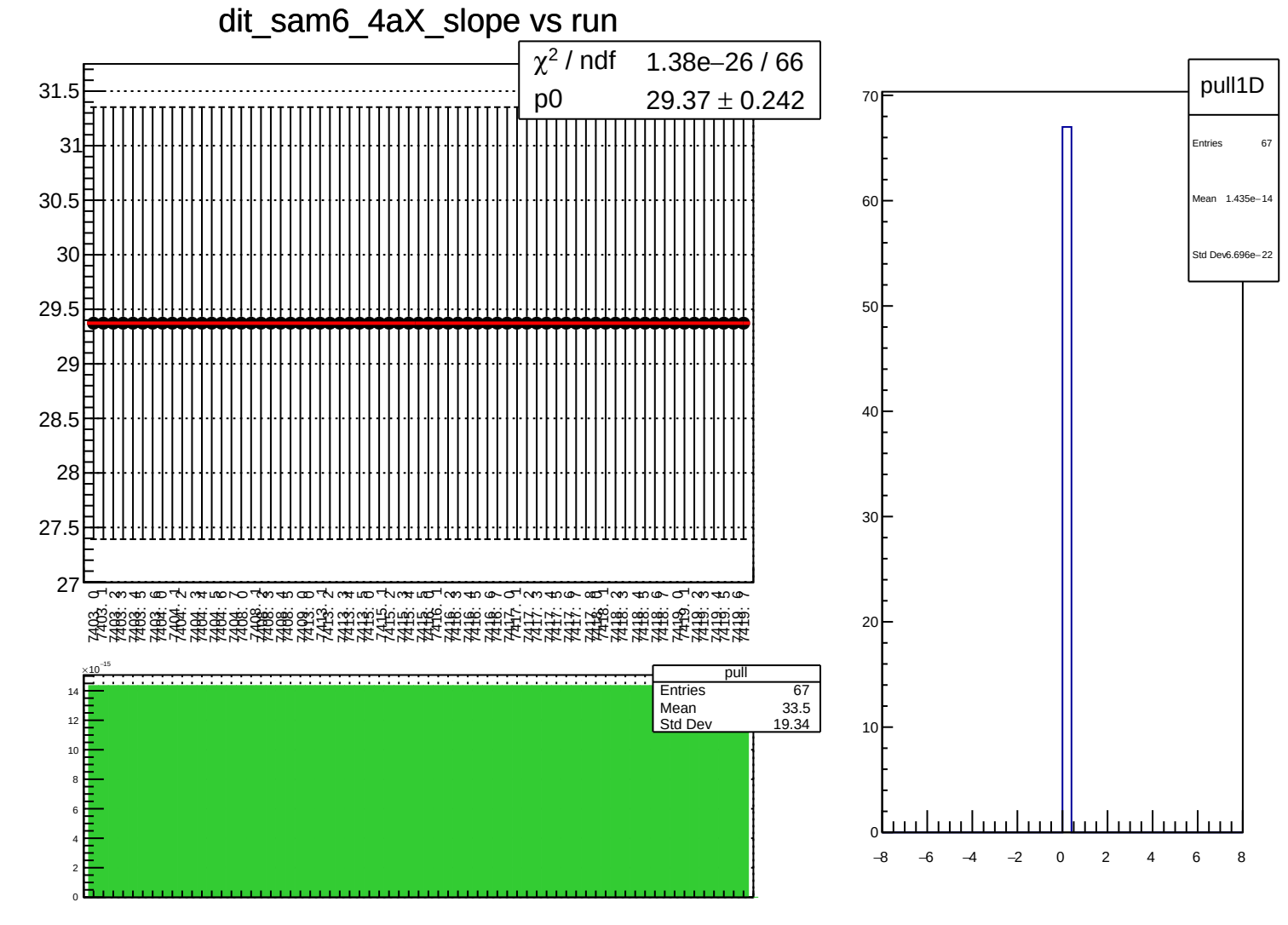

dit_sam5_11X12X_slope vs run
χ² / ndf 0 / 66
p0 0.3116 ± 0.003905
0.34
0.33
0.32
0.31
0.3
0.29
0.28
pull
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

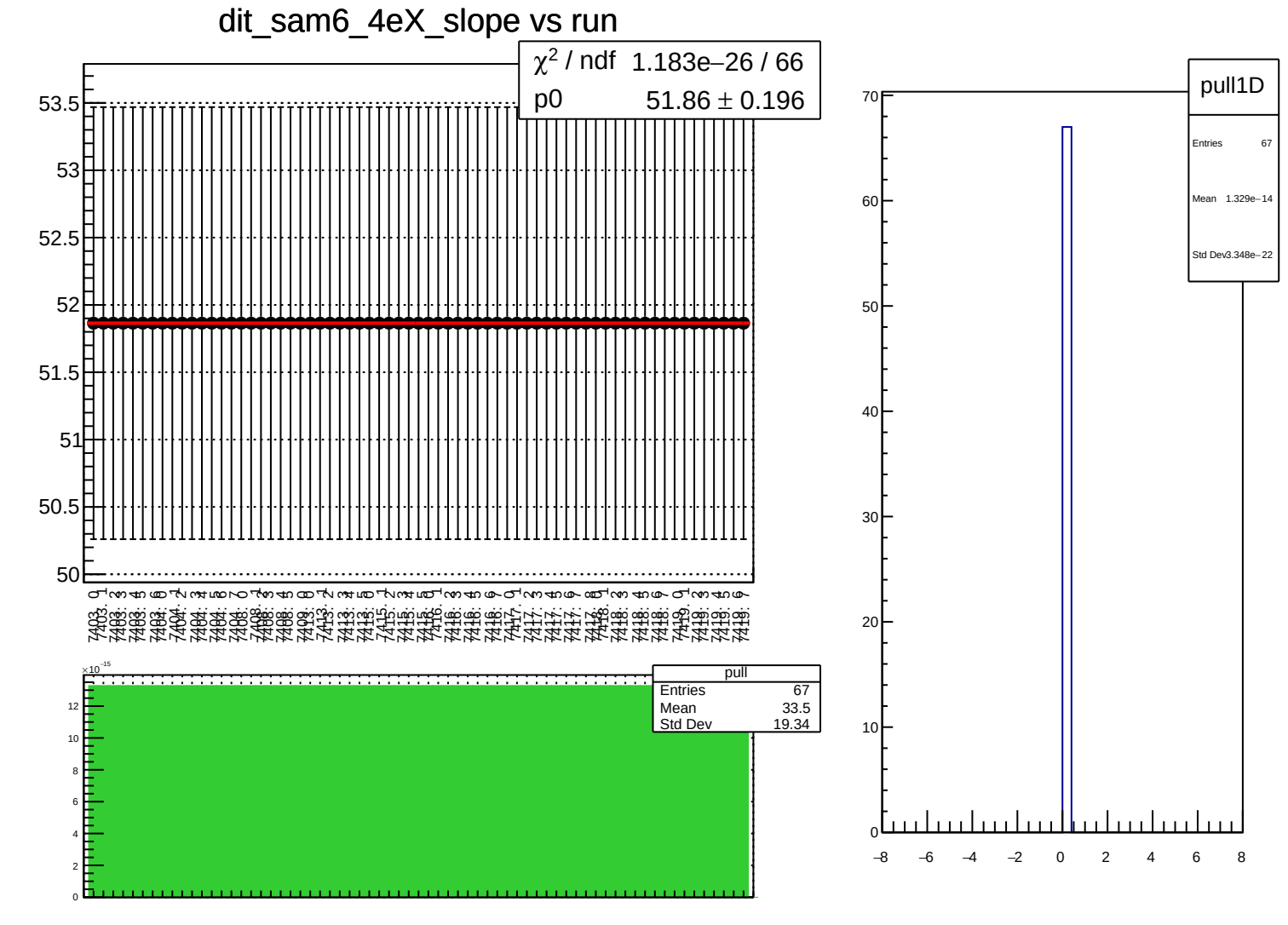

pull1D
Entries 67
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

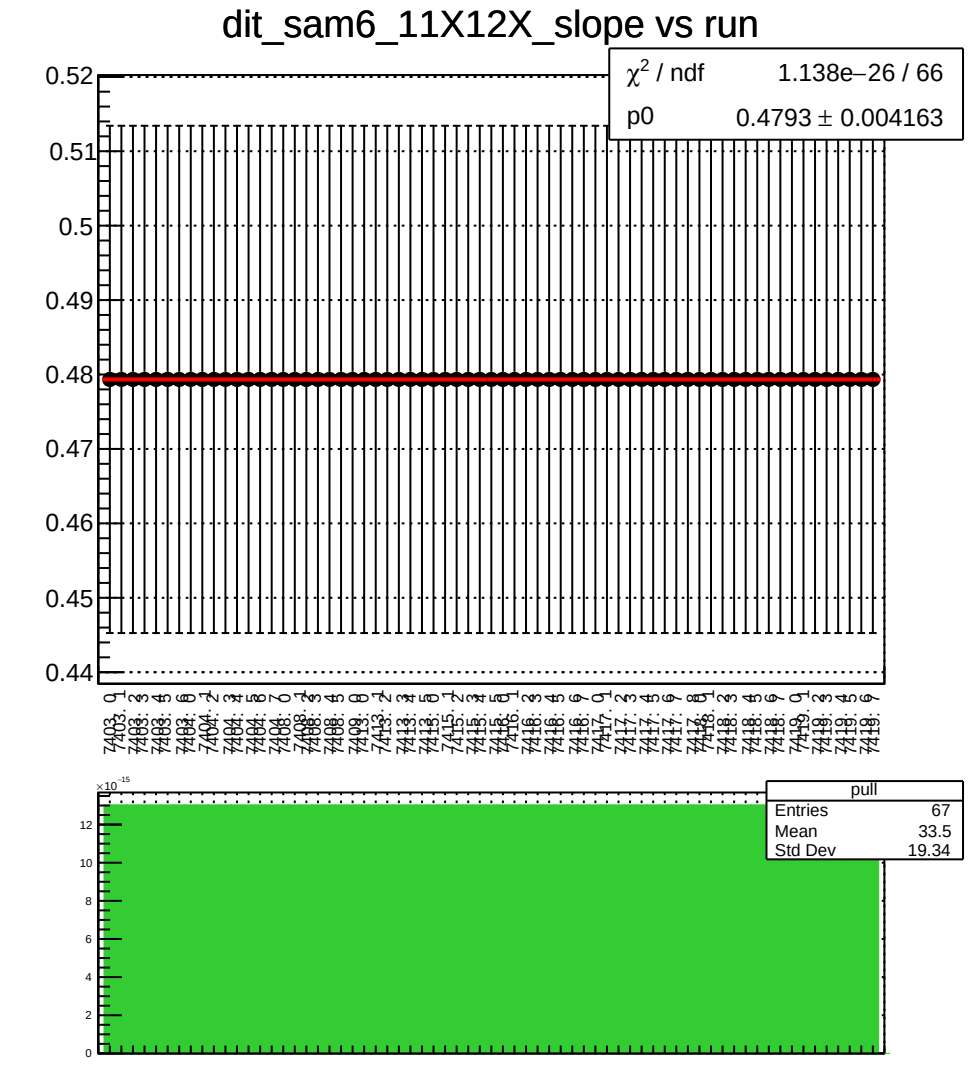

dit_sam5_4aY_slope vs run
χ² / ndf 1.678e−24 / 66
p0 29.07 ± 0.04936
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean 1.583e−13
Std Dev9.279e−21

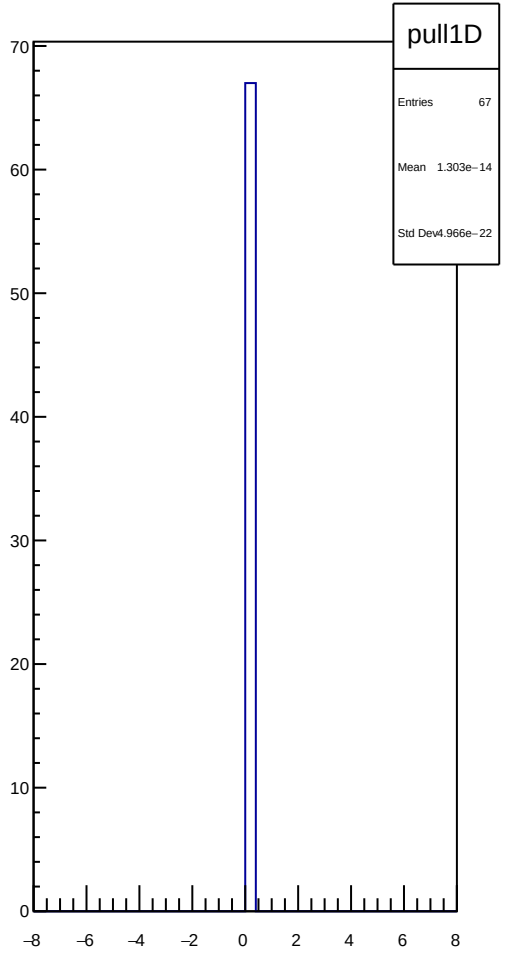

dit_sam5_4eY_slope vs run
χ² / ndf 2.652e−25 / 66
p0 129.8 ± 0.276
132
131
130
129
128
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
60
50
40
30
20
10
0

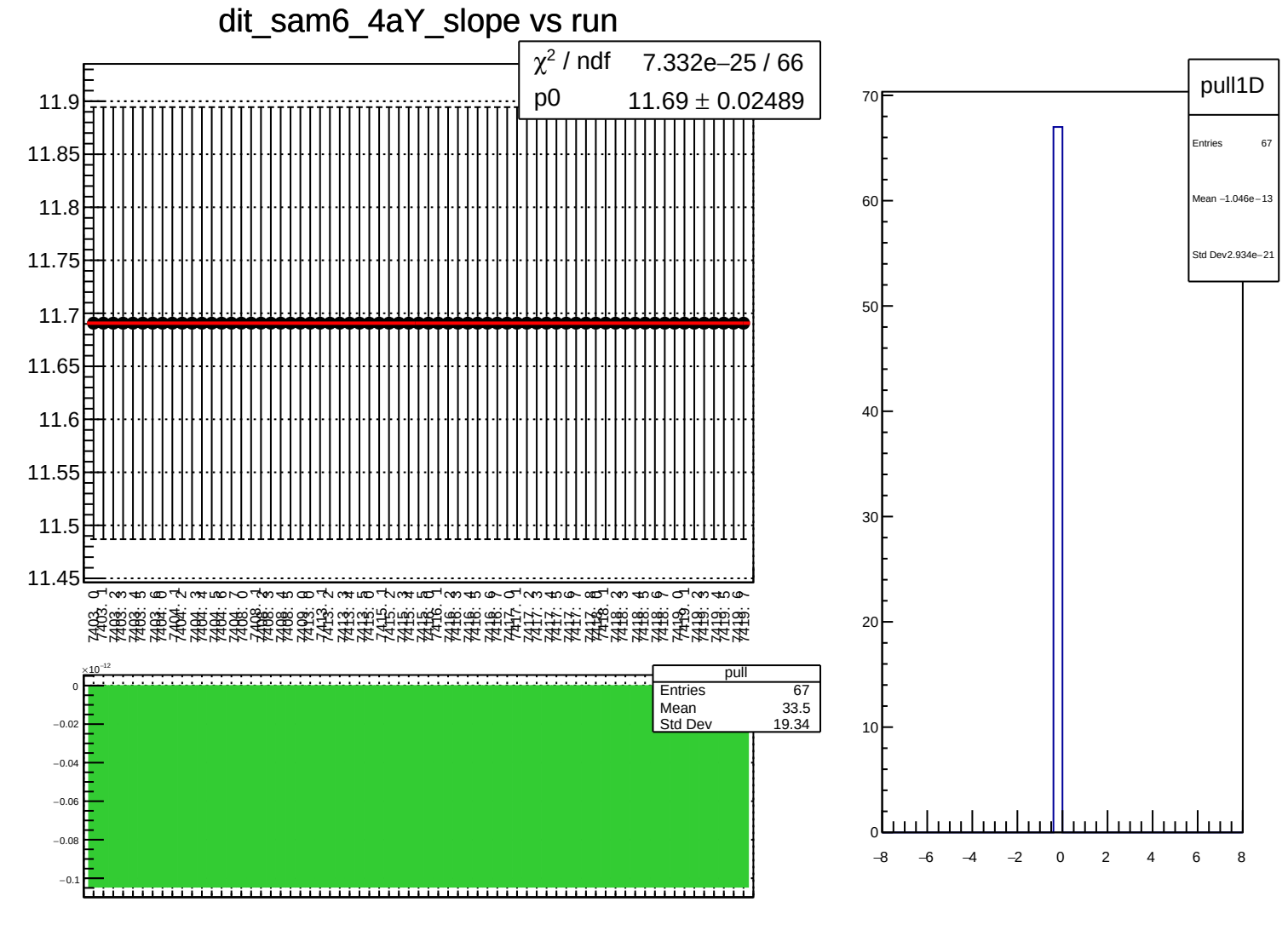

pull1D
Entries 67
Mean 6.291e−14
Std Dev 1.894e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

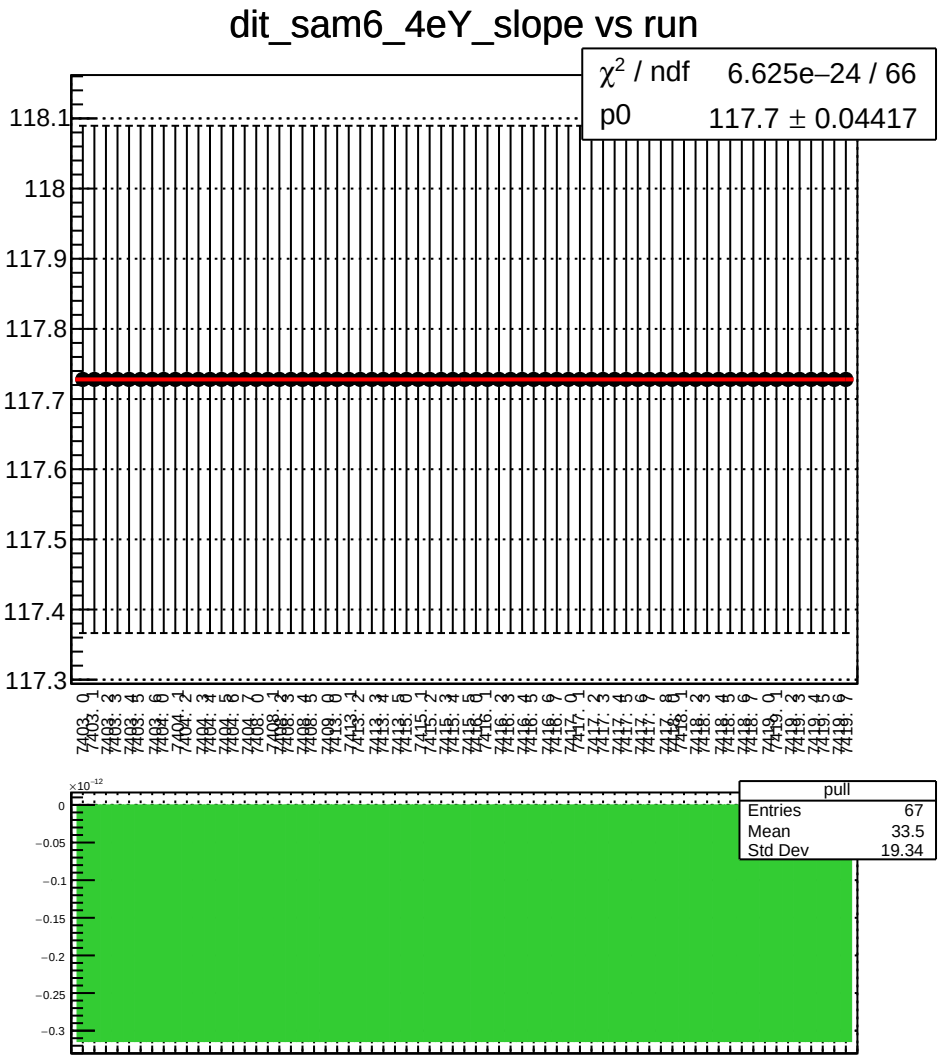

dit_sam6_4aX_slope vs run
$\chi^2$ / ndf 1.38e−26 / 66
p0 29.37 ± 0.242
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean 1.435e−14
Std Dev 6.696e−22

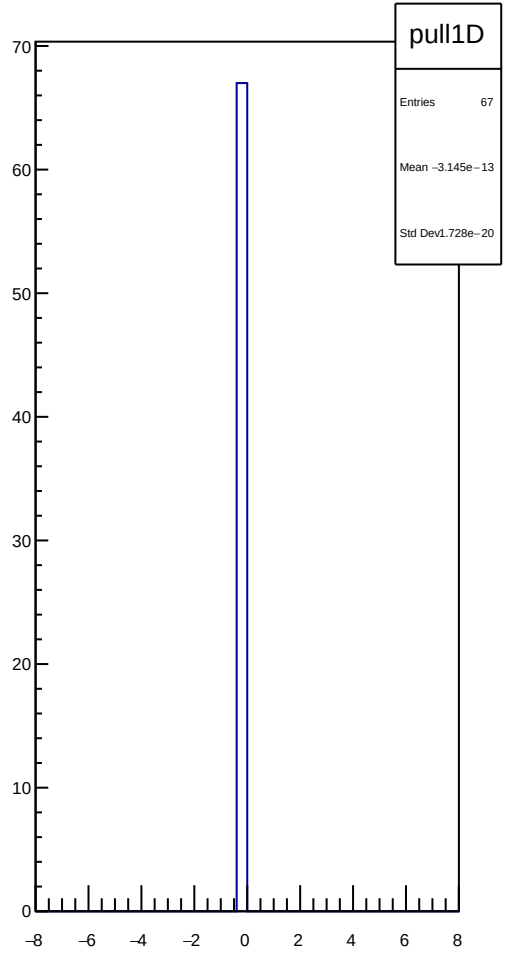

dit_sam6_4eX_slope vs run
$\chi^2$ / ndf 1.183e−26 / 66
p0 51.86 ± 0.196
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean 1.329e−14
Std Dev 3.348e−22

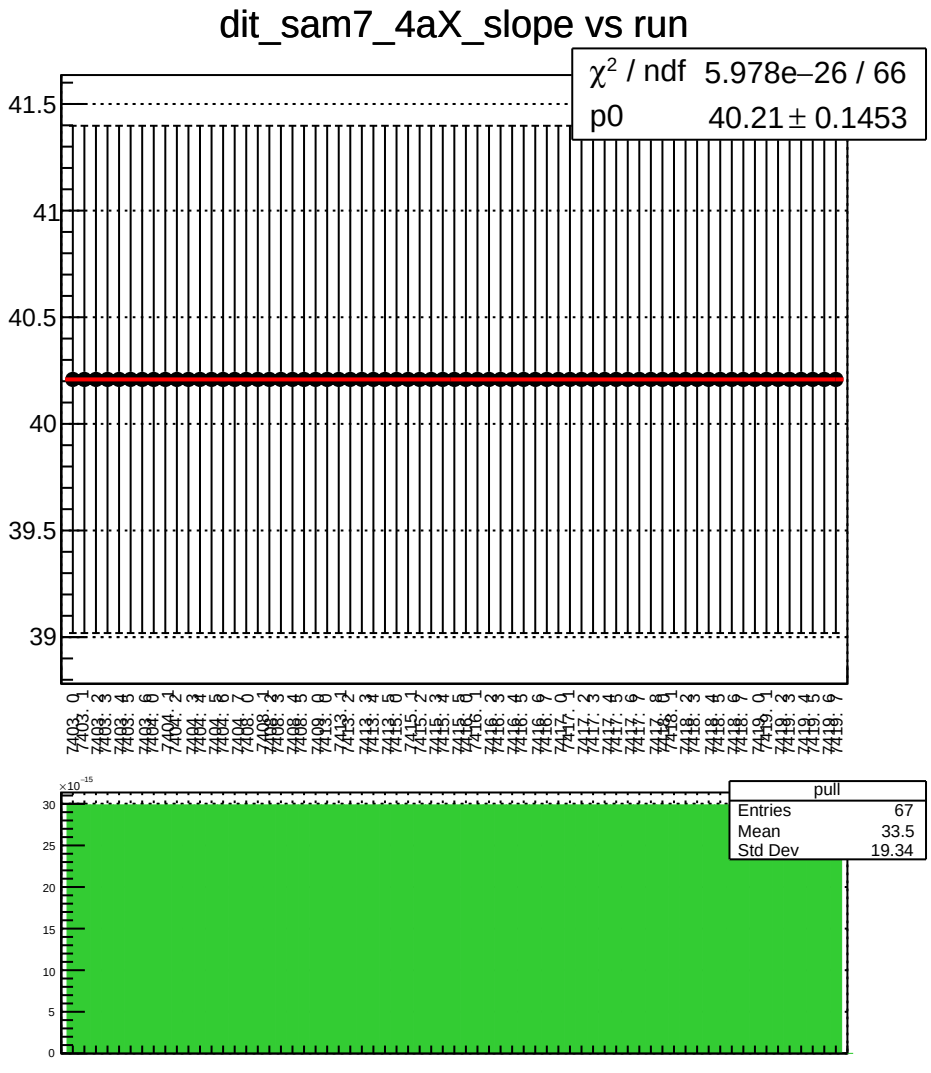

dit_sam6_11X12X_slope vs run
χ² / ndf 1.138e−26 / 66
p0 0.4793 ± 0.004163
0.52
0.51
0.5
0.49
0.48
0.47
0.46
0.45
0.44
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
12
10
8
6
4
2
0

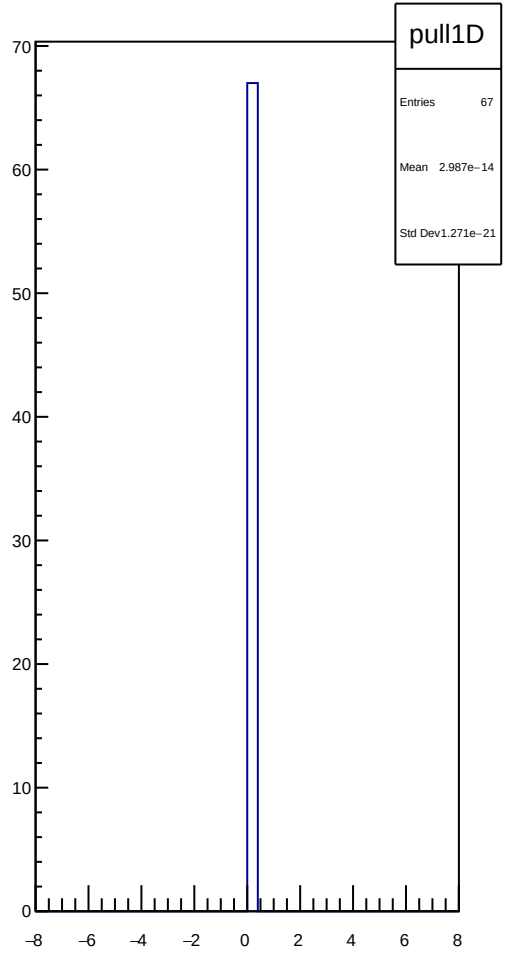

pull1D
Entries 67
Mean 1.303e−14
Std Dev 4.966e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

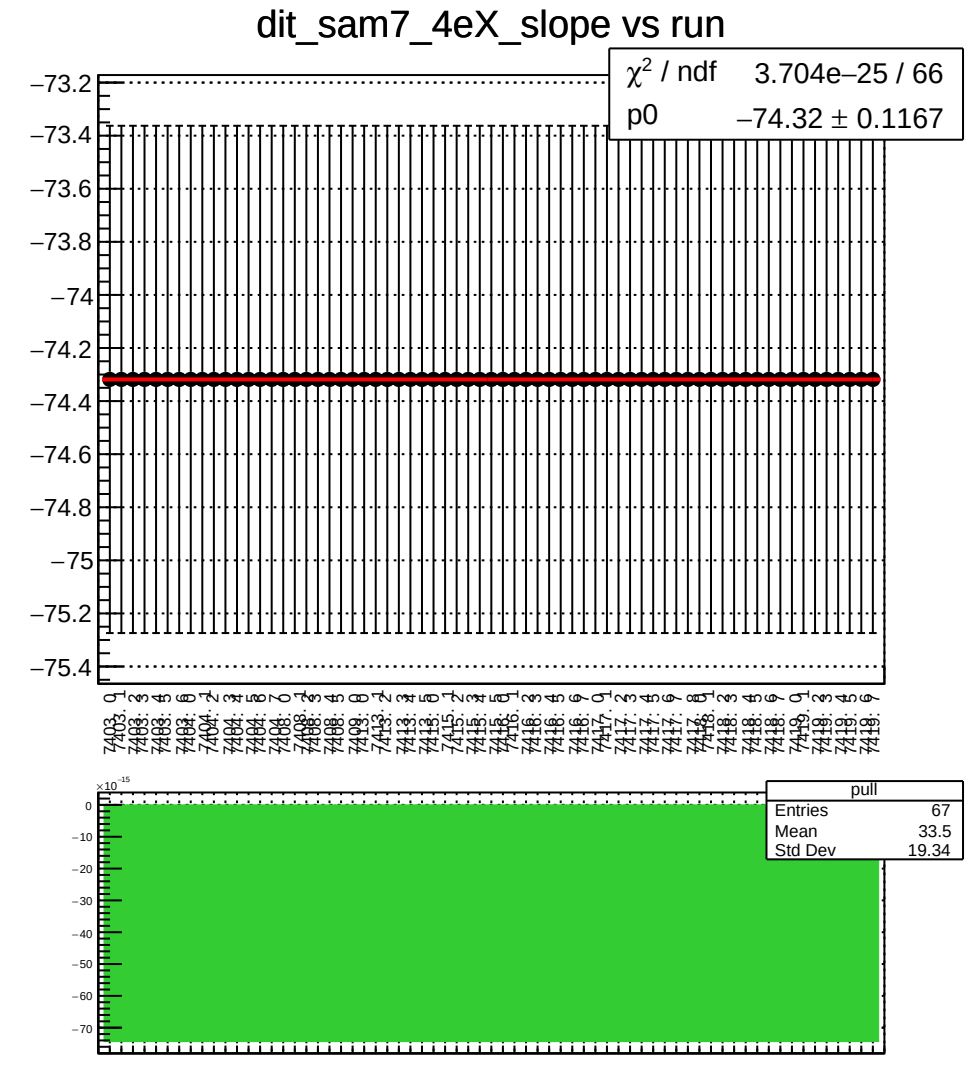

dit_sam6_4aY_slope vs run
χ² / ndf 7.332e−25 / 66
p0 11.69 ± 0.02489
11.9
11.85
11.8
11.75
11.7
11.65
11.6
11.55
11.5
11.45
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 67
Mean −1.046e−13
Std Dev2.934e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

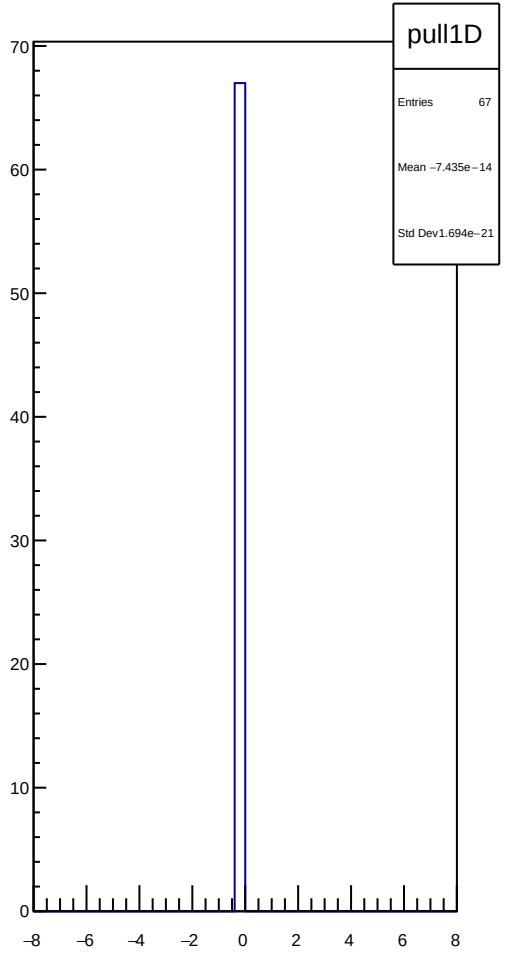

dit_sam6_4eY_slope vs run
χ² / ndf 6.625e−24 / 66
p0 117.7 ± 0.04417
118.1
118
117.9
117.8
117.7
117.6
117.5
117.4
117.3
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

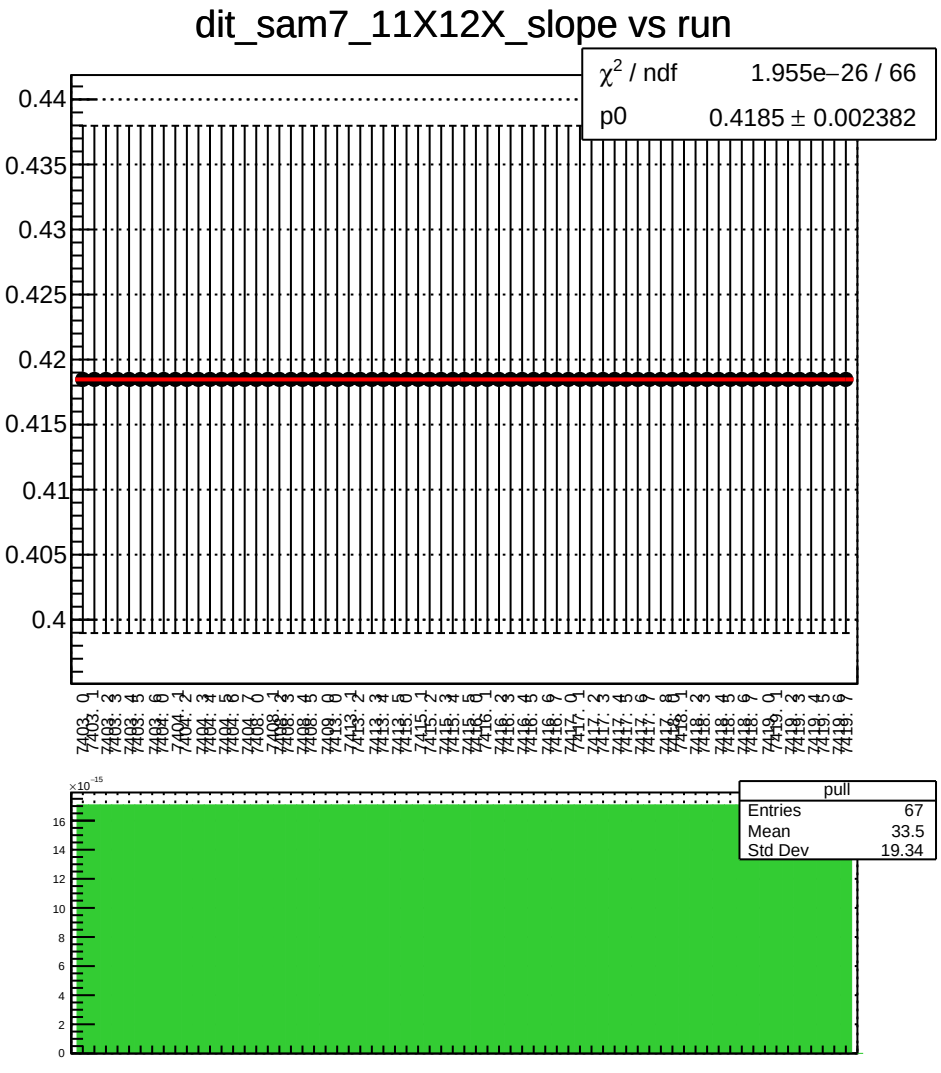

pull1D
Entries 67
Mean −3.145e−13
Std Dev1.728e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

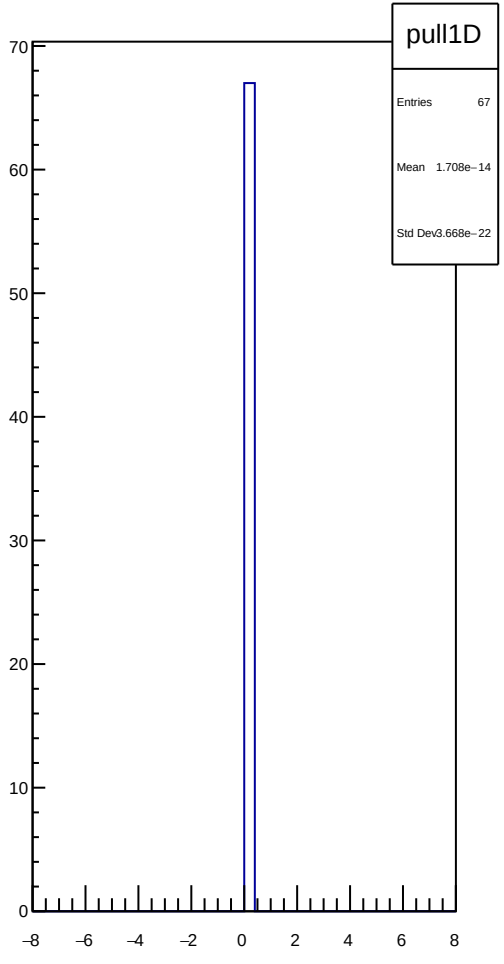

dit_sam7_4aX_slope vs run
$\chi^2$ / ndf 5.978e−26 / 66
p0 40.21 ± 0.1453
41.5
41
40.5
40
39.5
39
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-15
30
25
20
15
10
5
0

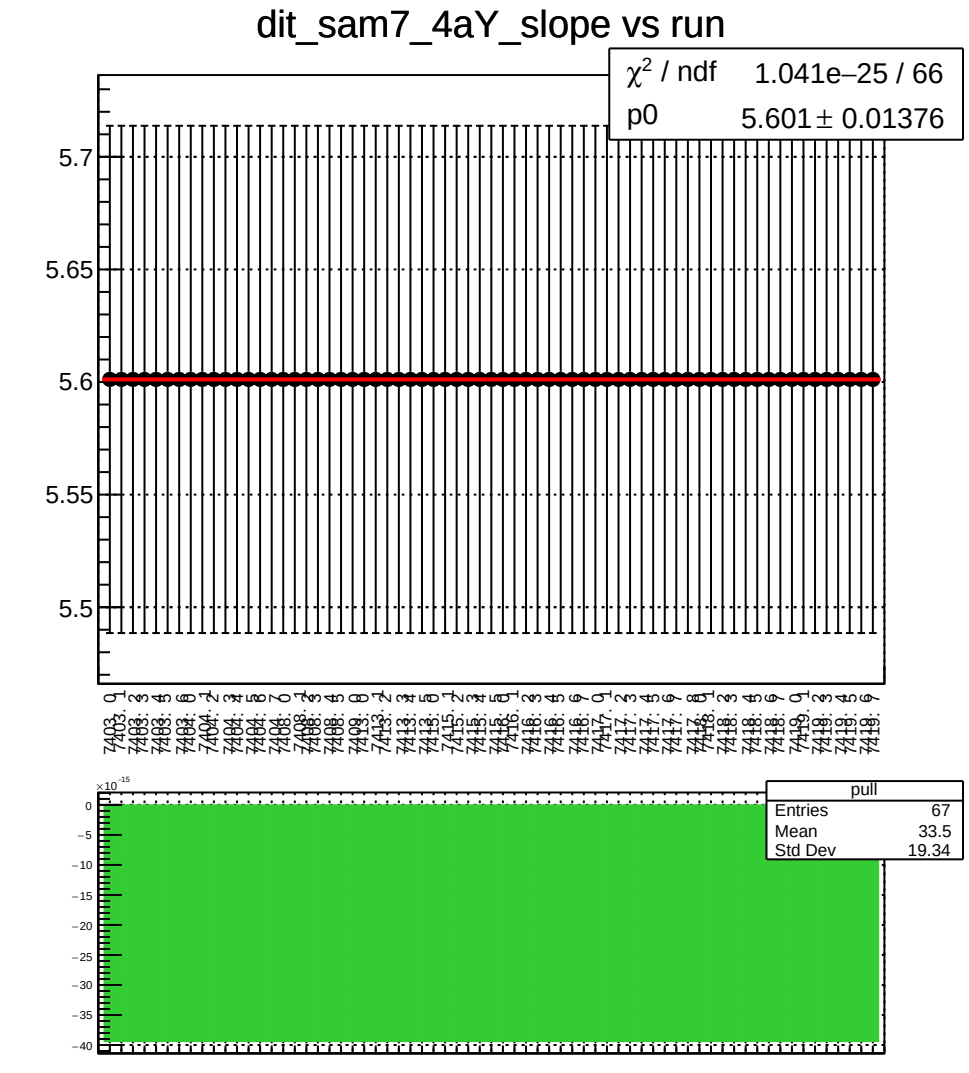

pull1D
Entries 67
Mean 2.987e−14
Std Dev1.271e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

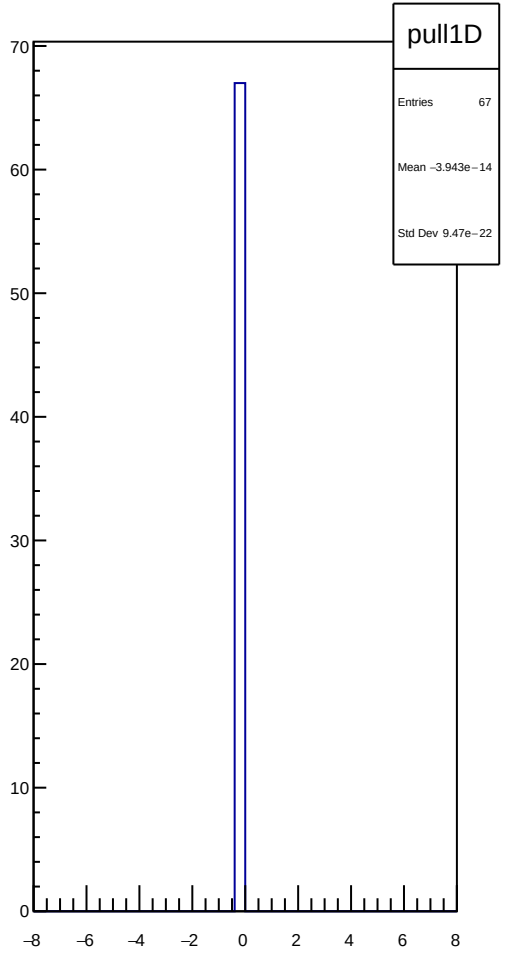

dit_sam7_4eX_slope vs run
χ² / ndf 3.704e−25 / 66
p0 −74.32 ± 0.1167
−73.2
−73.4
−73.6
−73.8
−74
−74.2
−74.4
−74.6
−74.8
−75
−75.2
−75.4
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

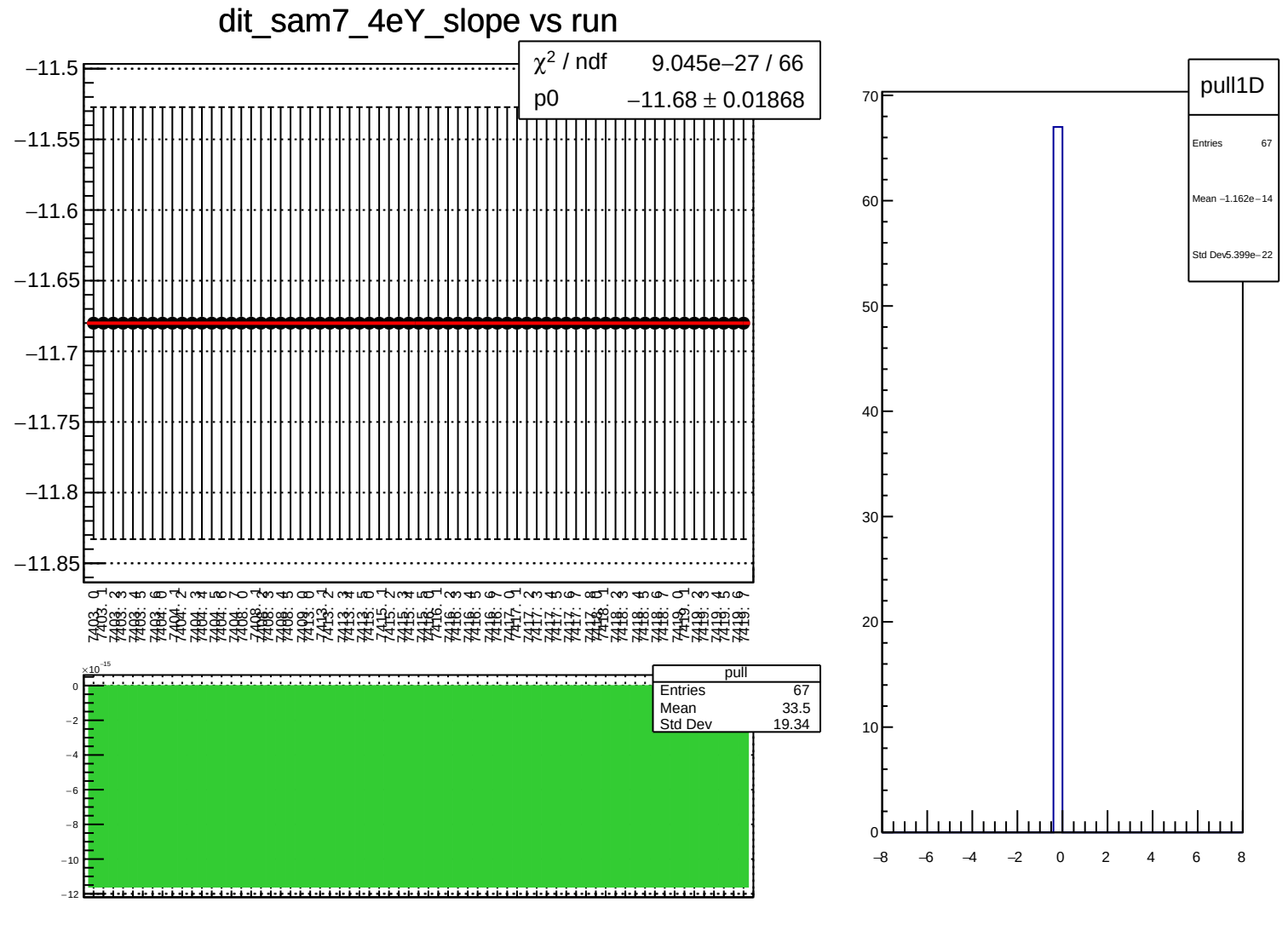

pull1D
Entries 67
Mean −7.435e−14
Std Dev1.694e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

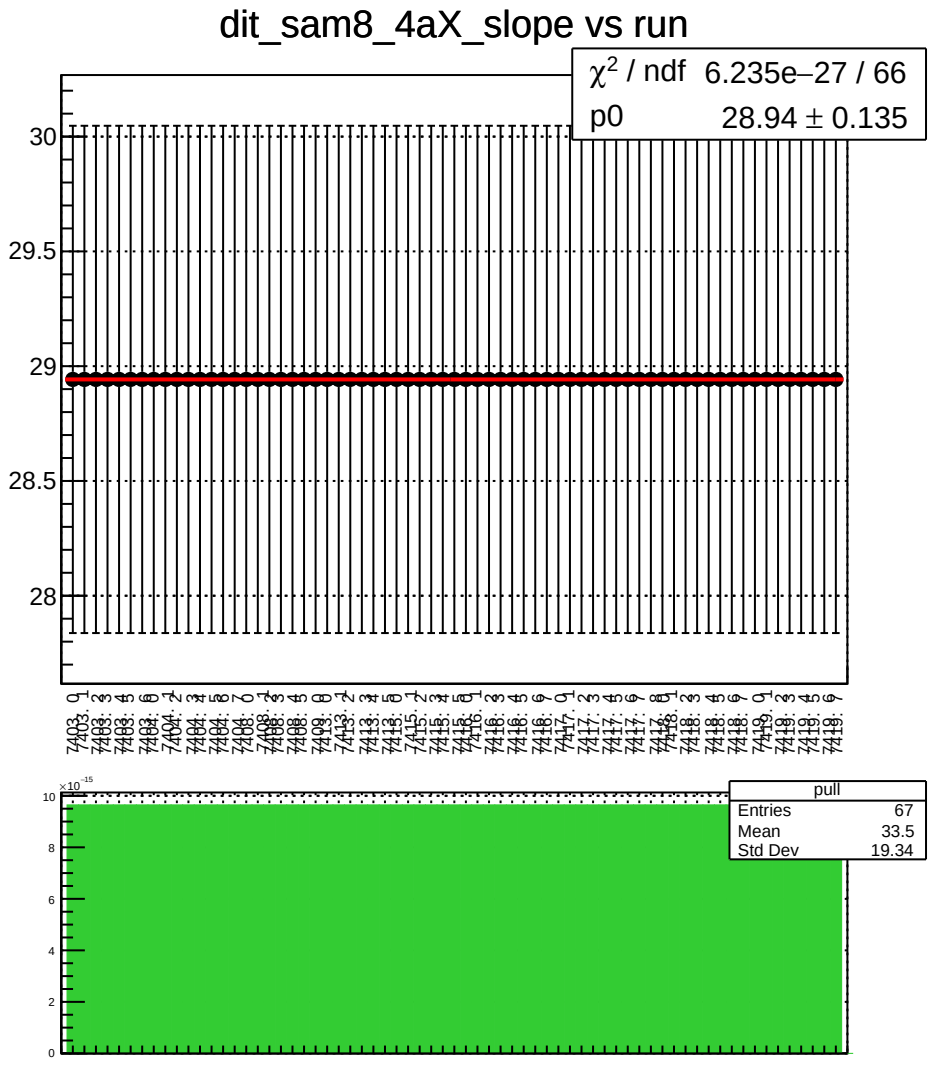

dit_sam7_11X12X_slope vs run
χ² / ndf 1.955e−26 / 66
p0 0.4185 ± 0.002382
0.44
0.435
0.43
0.425
0.42
0.415
0.41
0.405
0.4
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

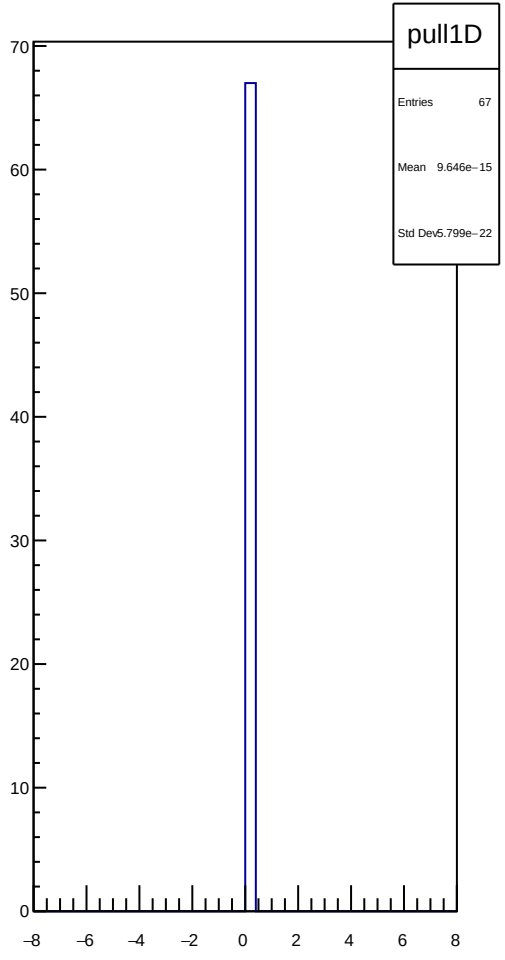

pull1D
Entries 67
Mean 1.708e−14
Std Dev 3.668e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4aY_slope vs run
χ² / ndf 1.041e−25 / 66
p0 5.601 ± 0.01376
5.7
5.65
5.6
5.55
5.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40


pull1D
Entries 67
Mean −3.943e−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_4eY_slope vs run
χ² / ndf 9.045e−27 / 66
p0 −11.68 ± 0.01868
−11.5
−11.55
−11.6
−11.65
−11.7
−11.75
−11.8
−11.85
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 67
Mean −1.162e−14
Std Dev 5.399e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aX_slope vs run
χ² / ndf 6.235e−27 / 66
p0 28.94 ± 0.135
30
29.5
29
28.5
28
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
10
8
6
4
2
0


pull1D
Entries 67
Mean 9.646e−15
Std Dev 5.799e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
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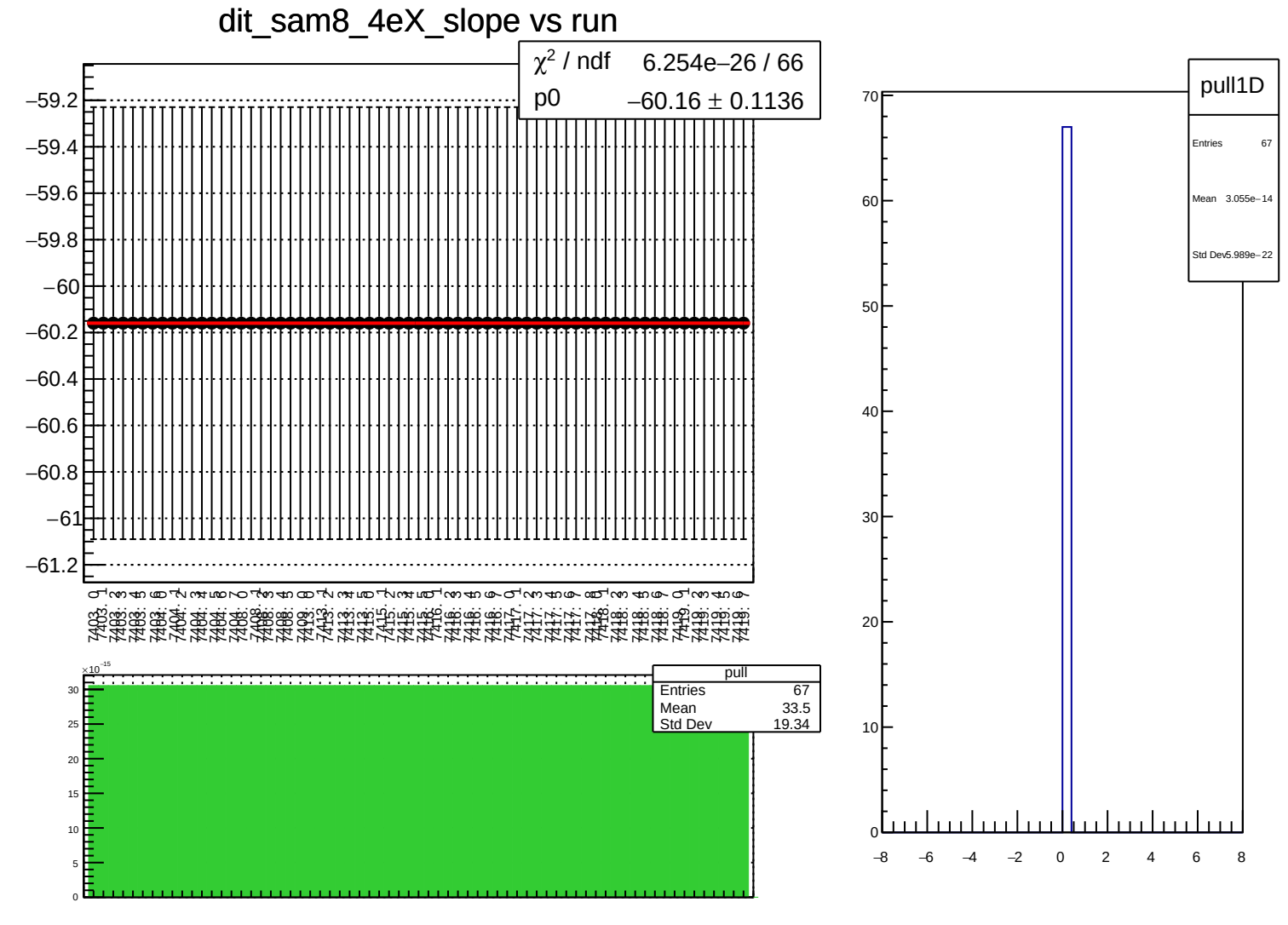
2
4
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 6.254e−26 / 66
p0 −60.16 ± 0.1136
−59.2
−59.4
−59.6
−59.8
−60
−60.2
−60.4
−60.6
−60.8
−61
−61.2
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 67
Mean 3.055e−14
Std Dev 5.989e−22
70
60
50
40
30
20
10
0
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−6
−4
−2
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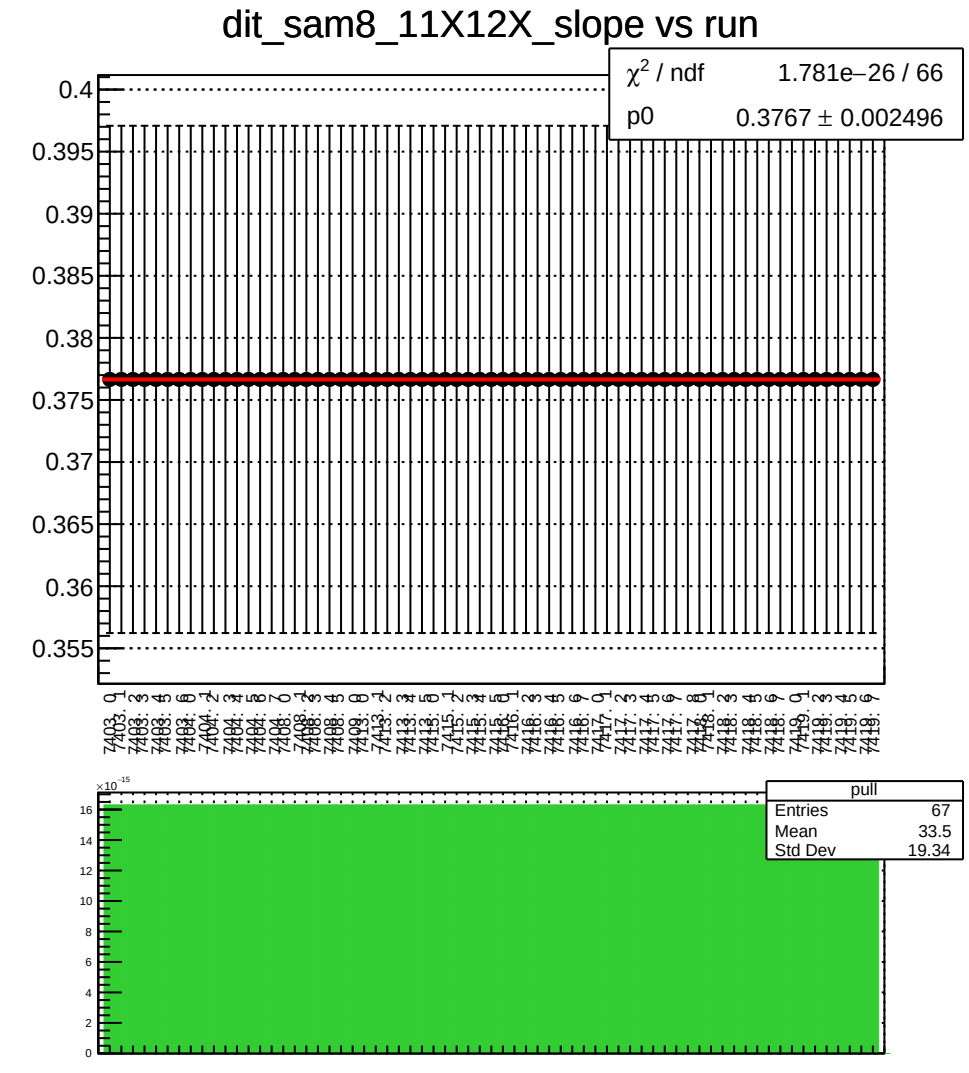
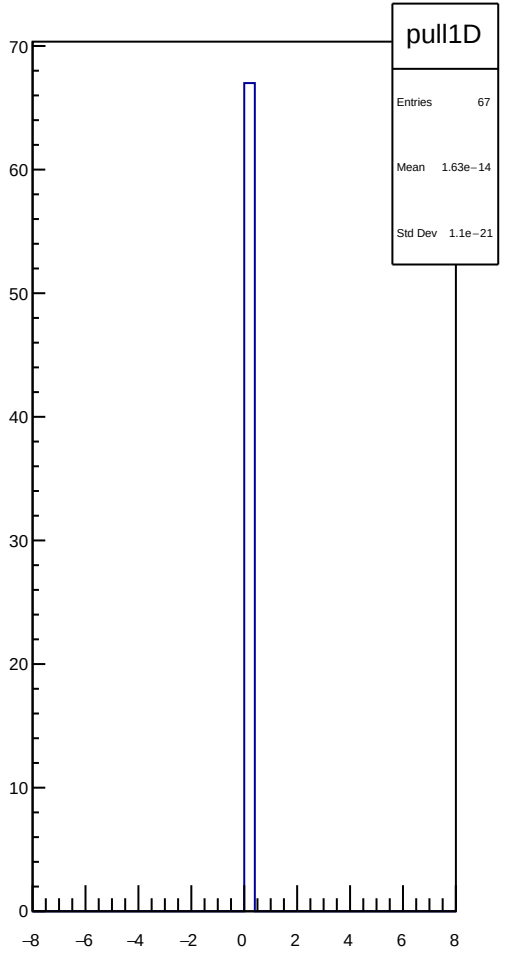
2
4
6
8


dit_sam8_11X12X_slope vs run
χ² / ndf 1.781e−26 / 66
p0 0.3767 ± 0.002496
0.4
0.395
0.39
0.385
0.38
0.375
0.37
0.365
0.36
0.355
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
16
14
12
10
8
6
4
2
0


pull1D
Entries 67
Mean 1.63e−14
Std Dev 1.1e−21
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60
50
40
30
20
10
0
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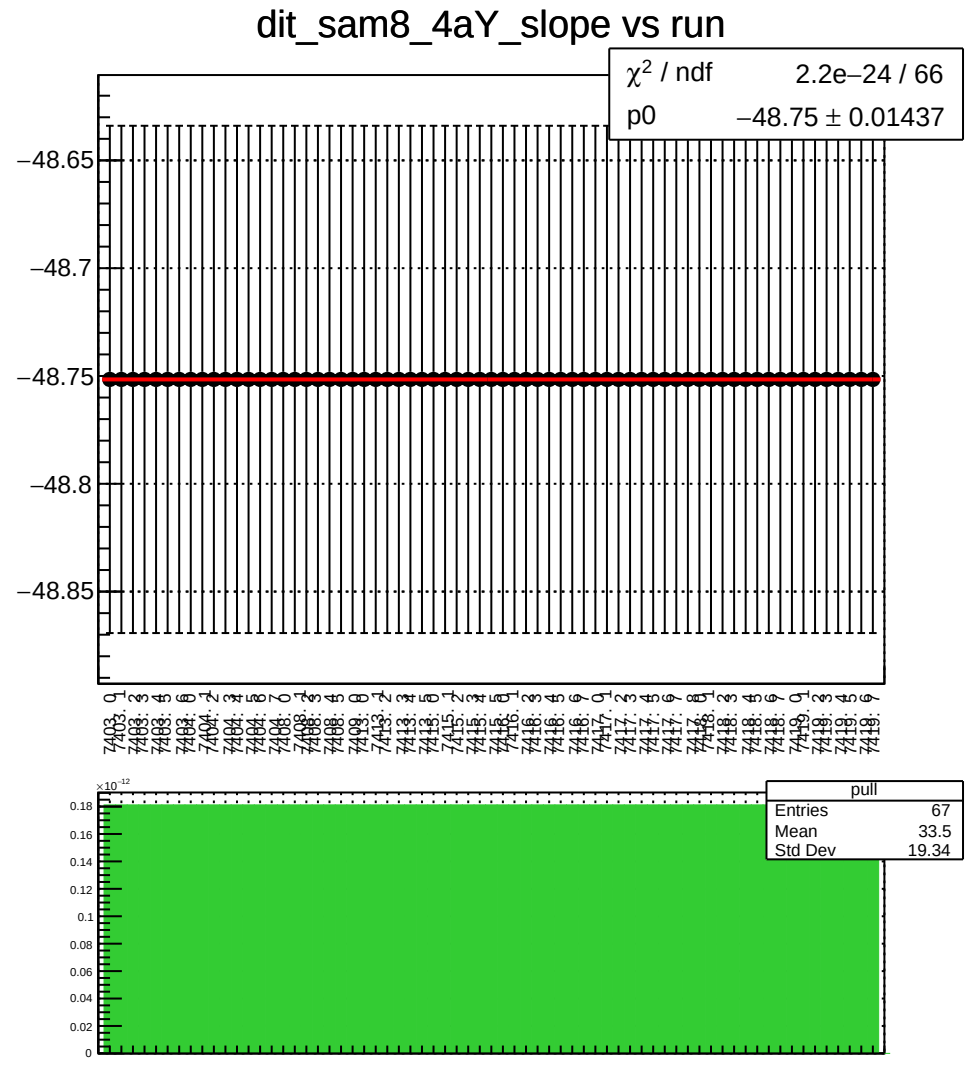
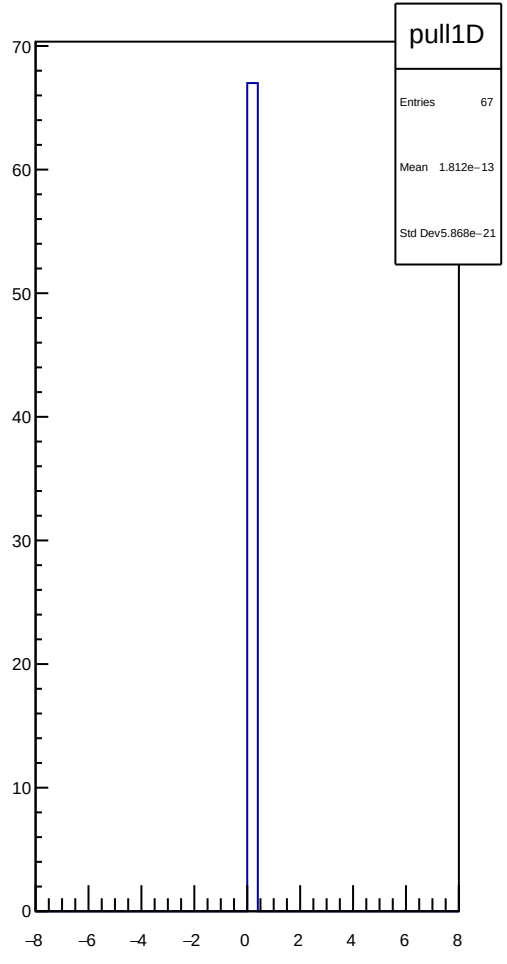
−6
−4
−2
0
2
4
6
8


dit_sam8_4aY_slope vs run
χ² / ndf 2.2e−24 / 66
p0 −48.75 ± 0.01437
−48.65
−48.7
−48.75
−48.8
−48.85
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 67
Mean 33.5
Std Dev 19.34


pull1D
Entries 67
Mean 1.812e−13
Std Dev5.868e−21
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40
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20
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0
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6
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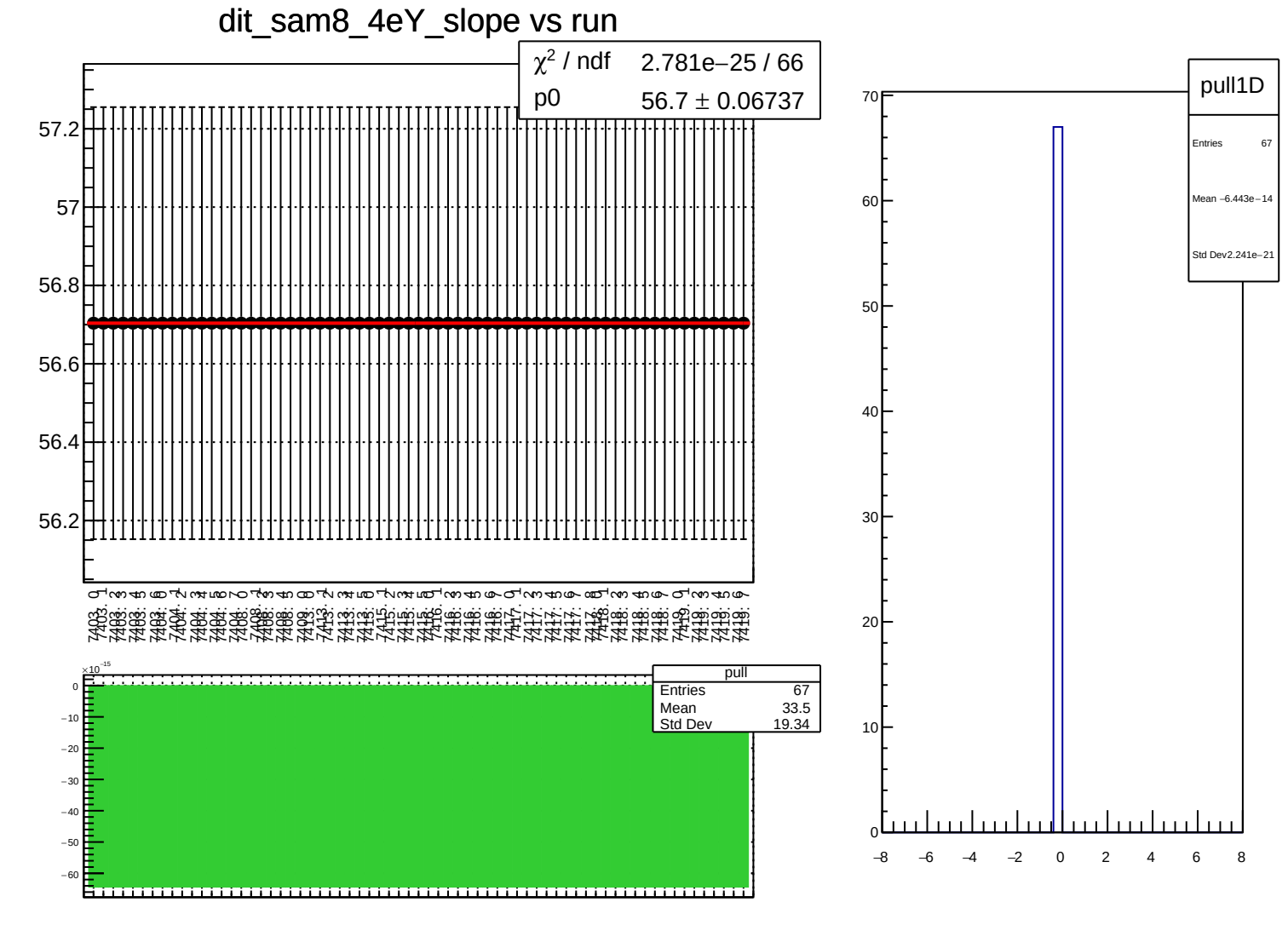
dit_sam8_4eY_slope vs run
χ² / ndf 2.781e−25 / 66
p0 56.7 ± 0.06737
57.2
57
56.8
56.6
56.4
56.2
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 67
Mean −6.443e−14
Std Dev2.241e−21
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40
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−4
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2
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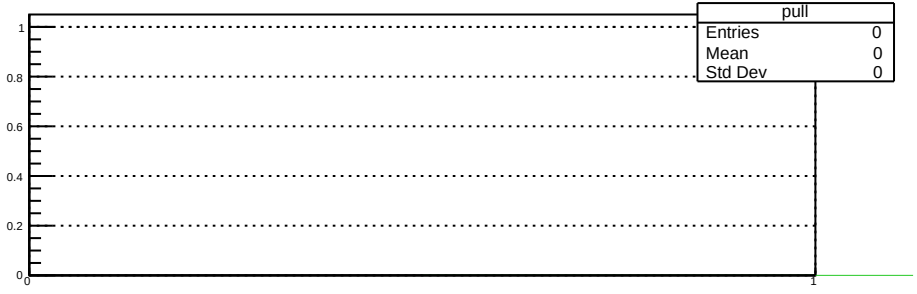
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0.6
0.4
0.2
0
0
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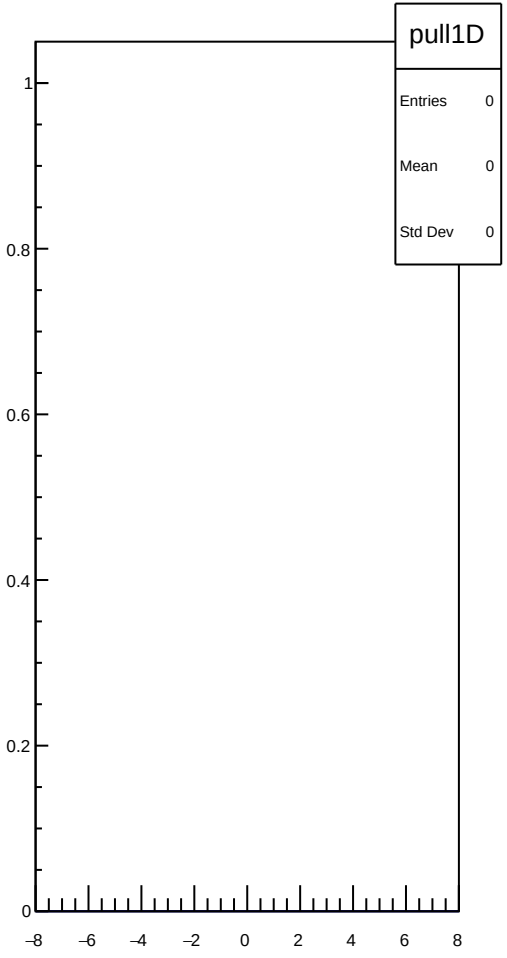
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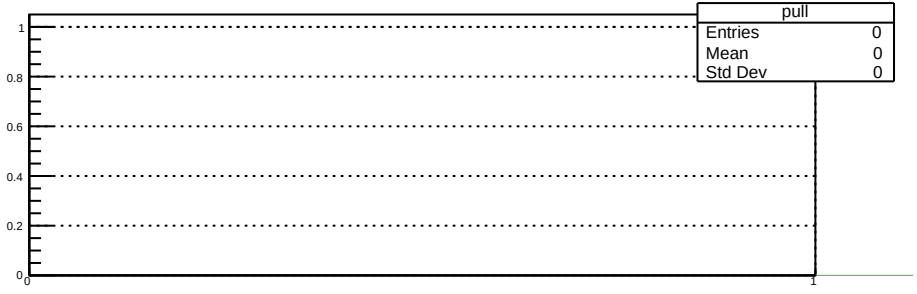
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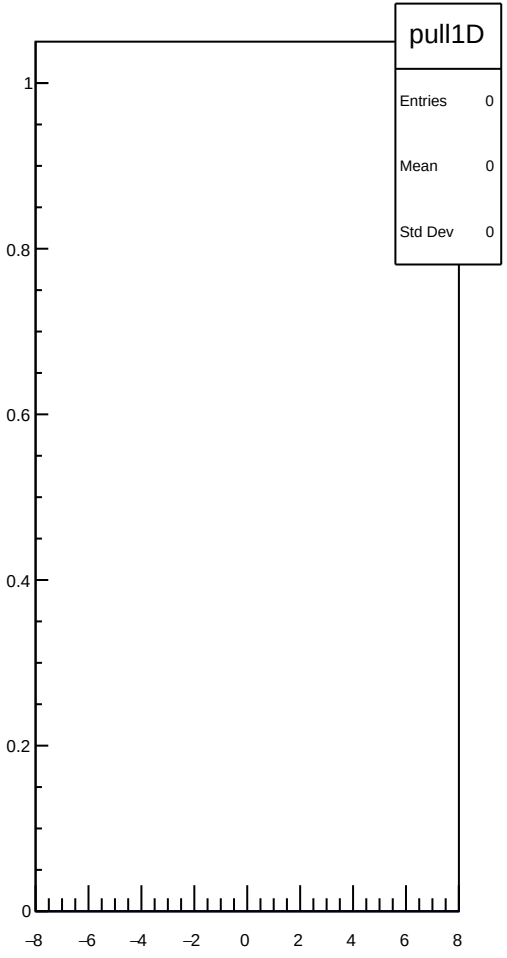
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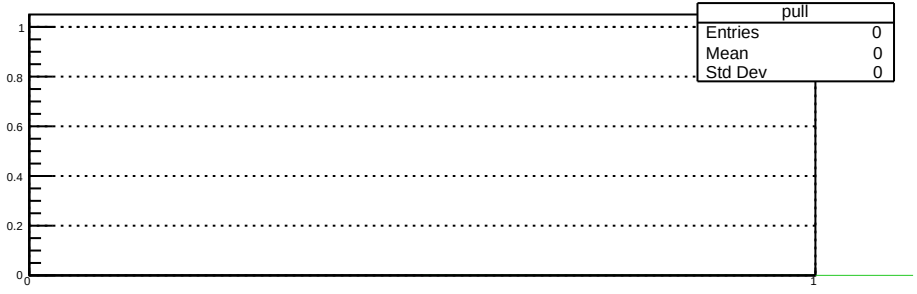
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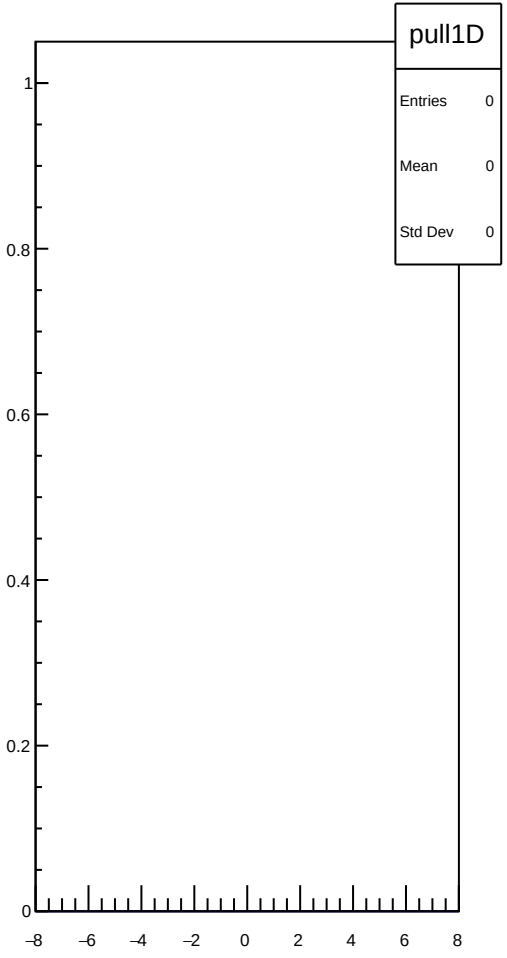
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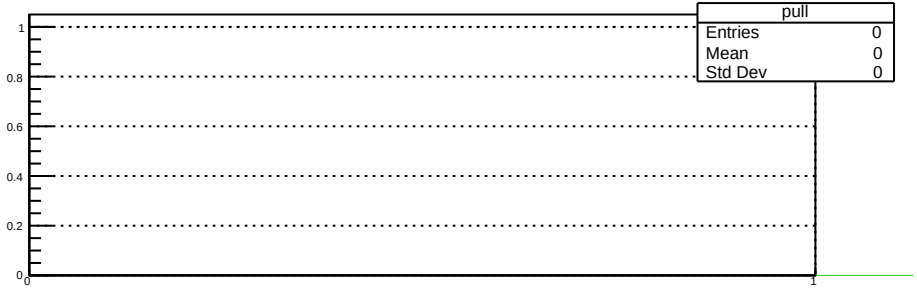
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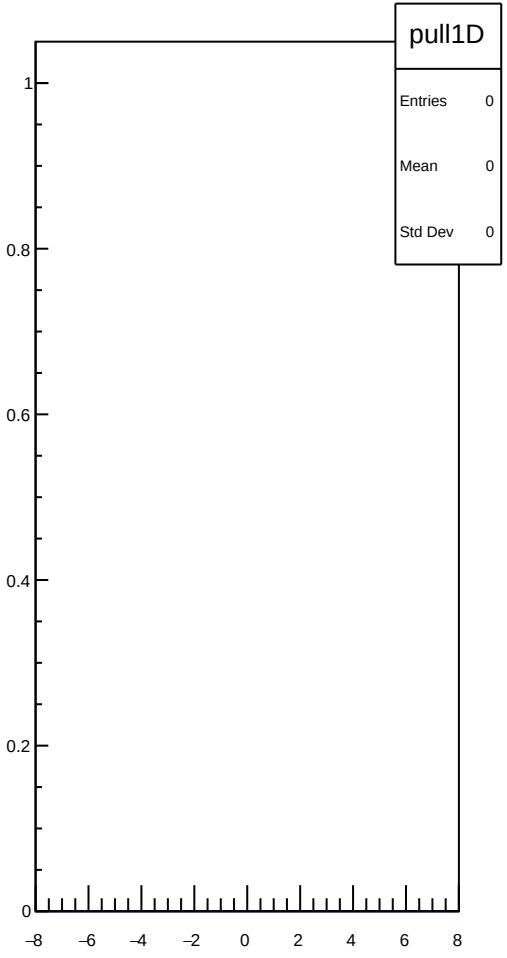
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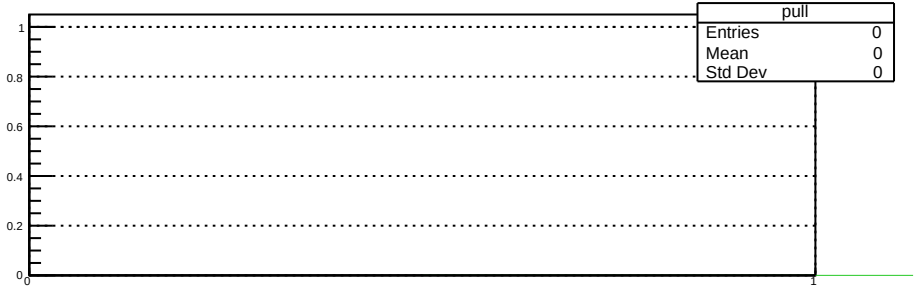
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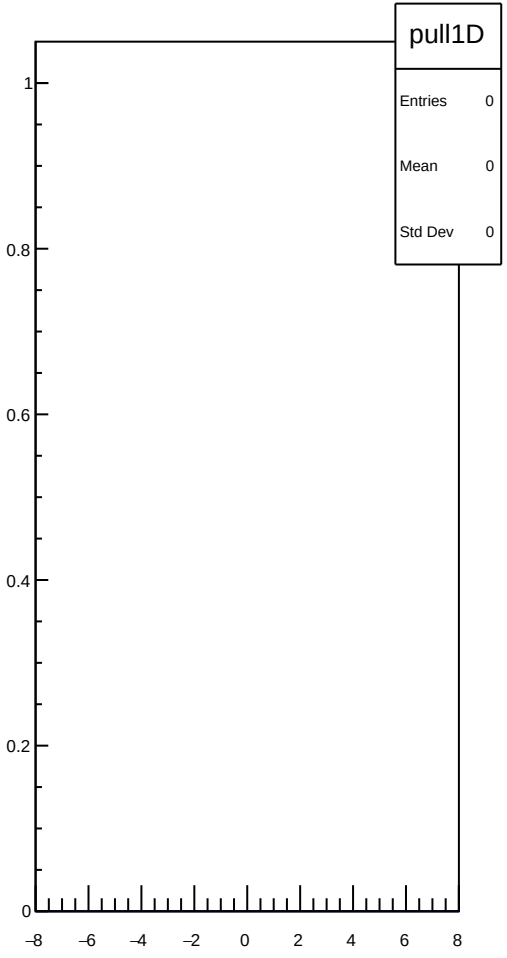
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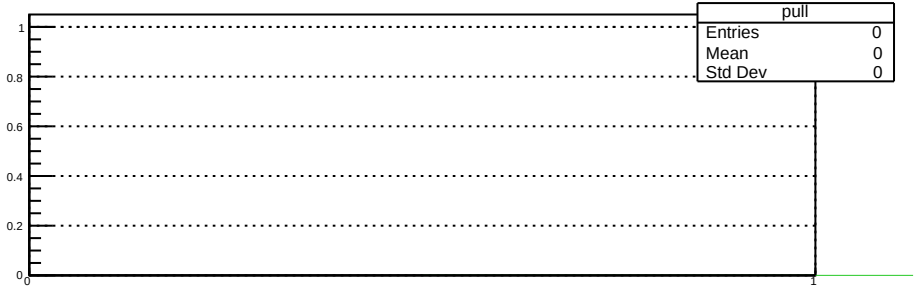
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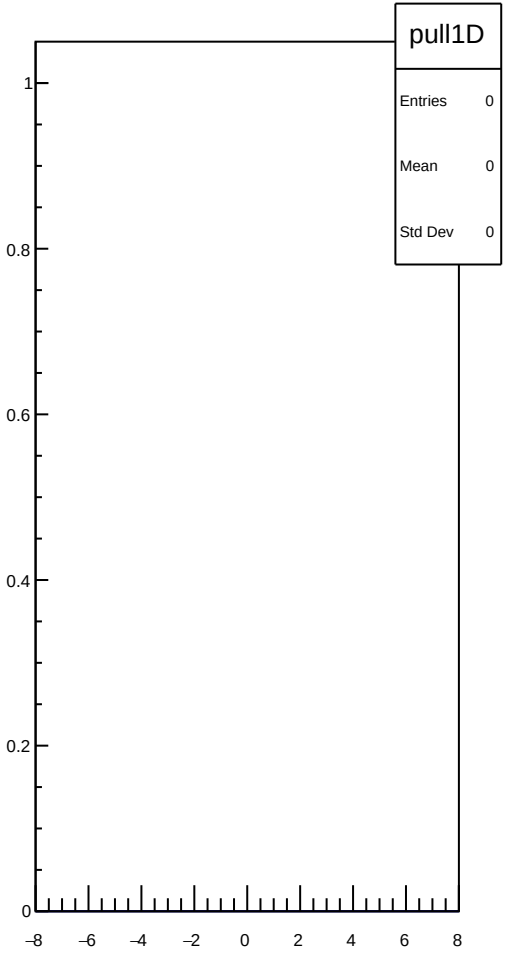
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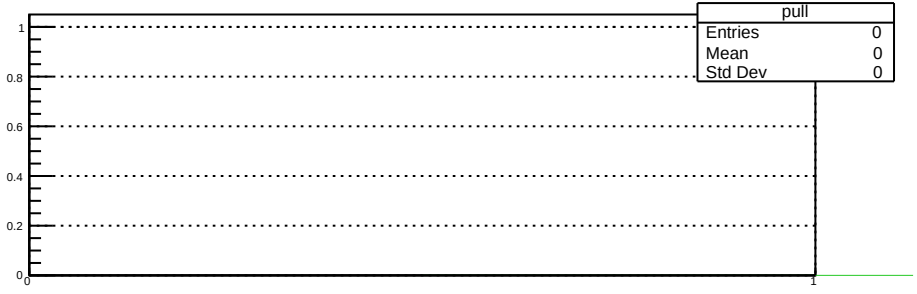
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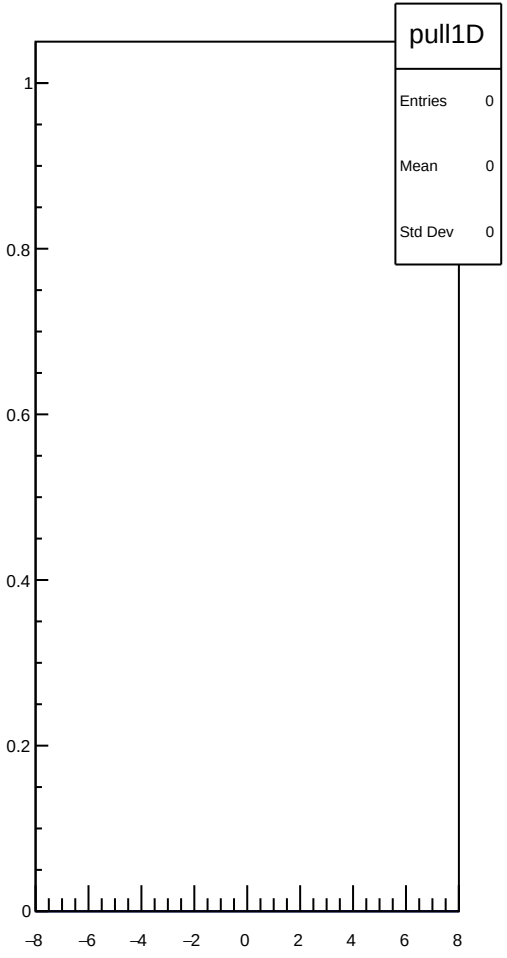
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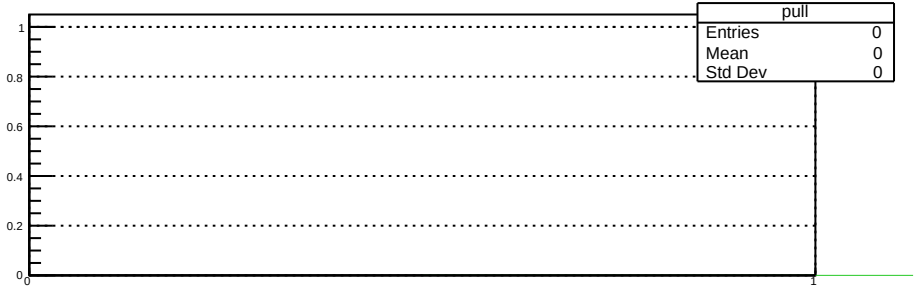
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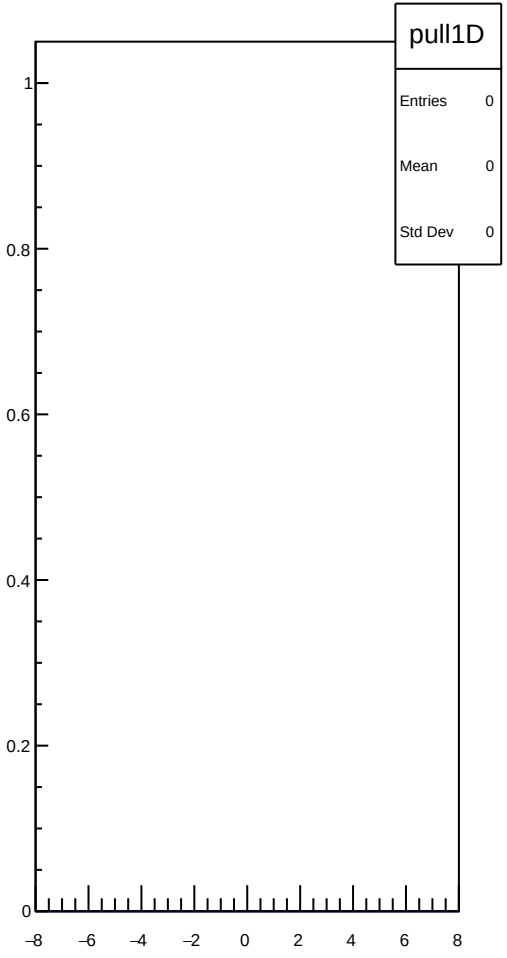
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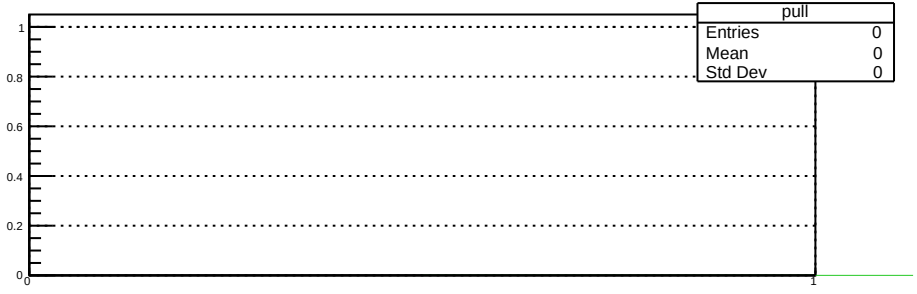
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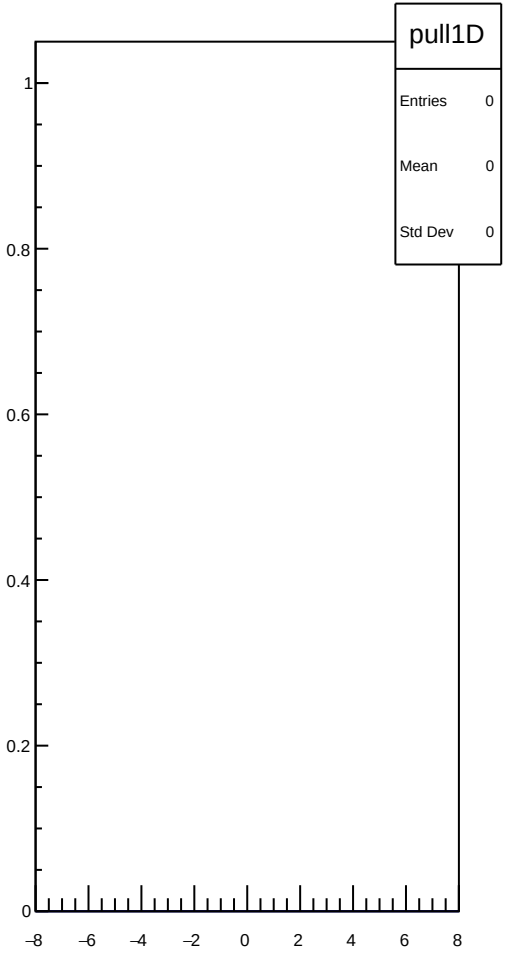
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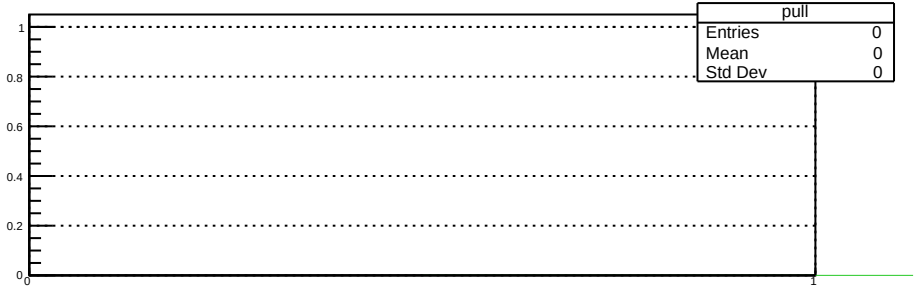
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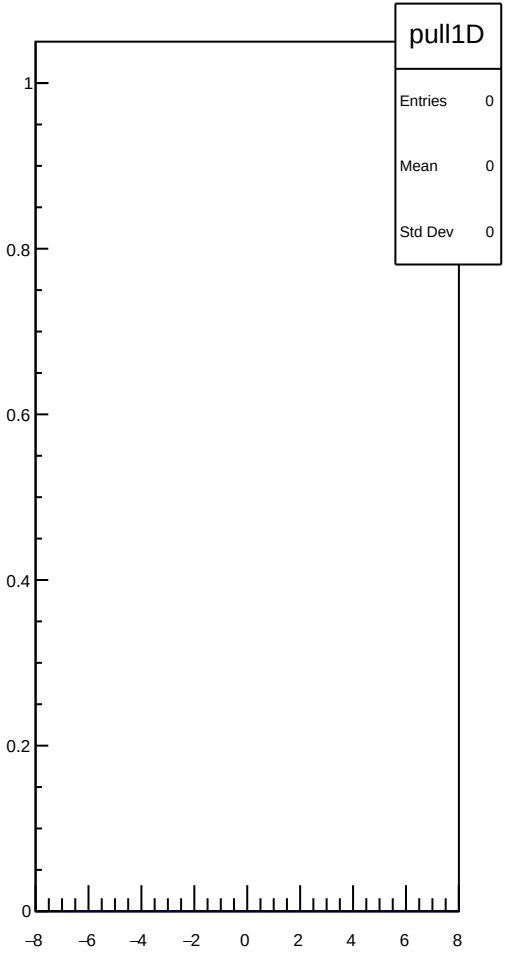
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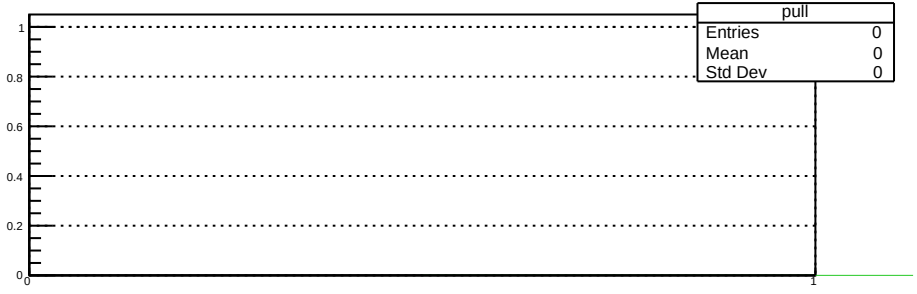
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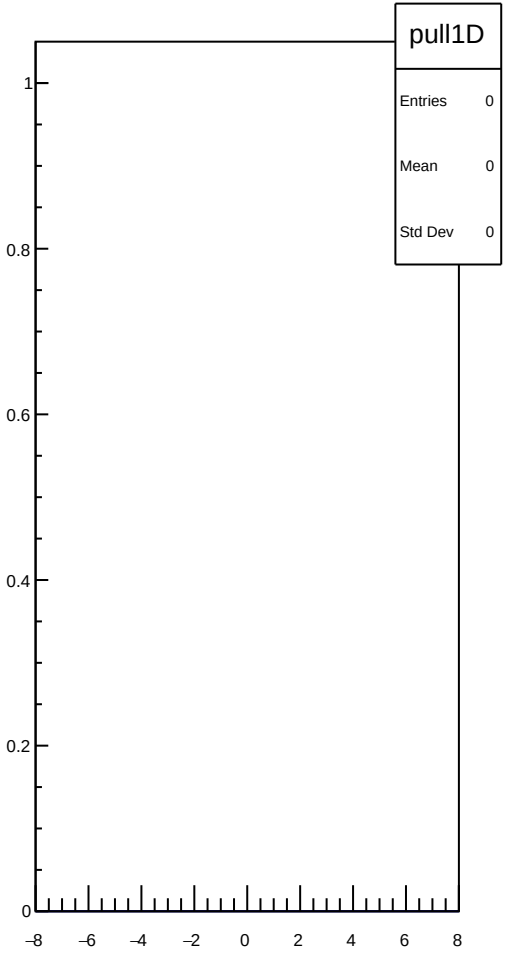
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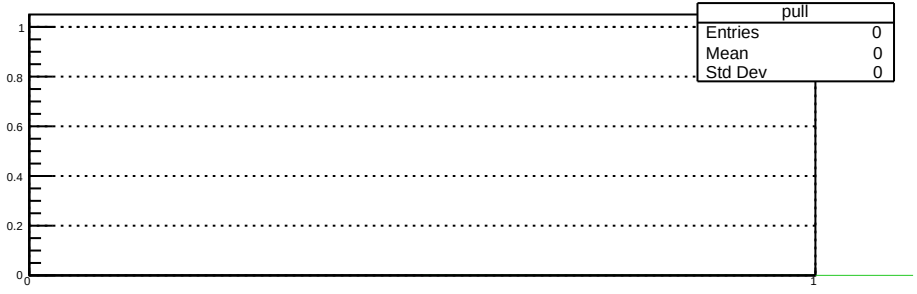
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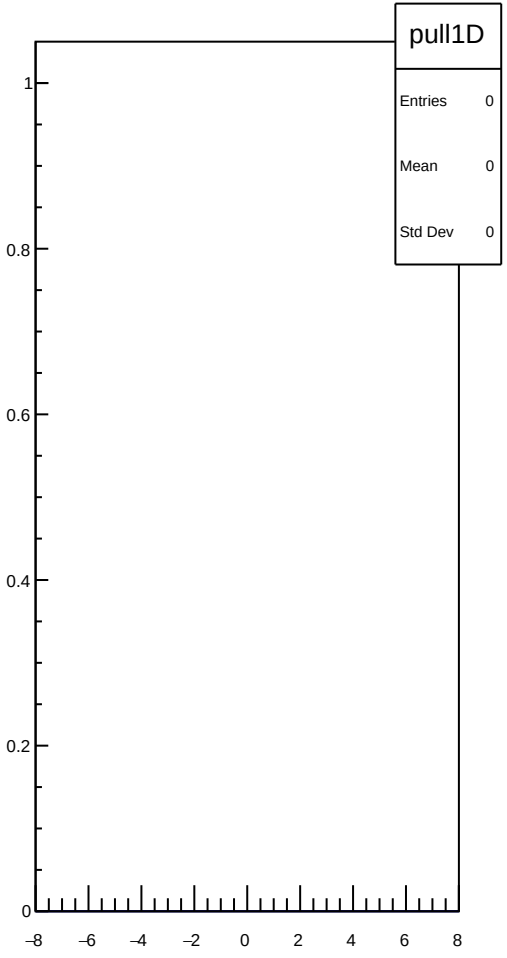
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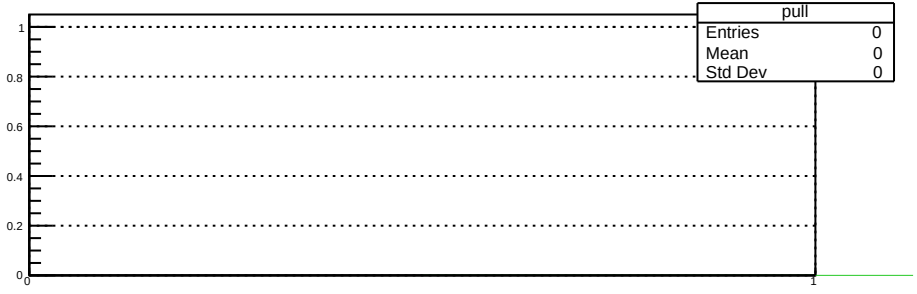
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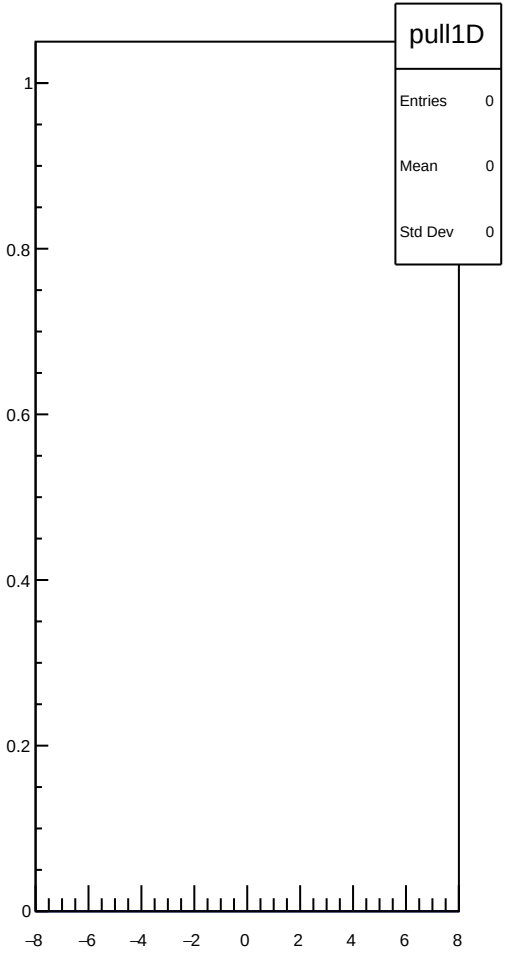
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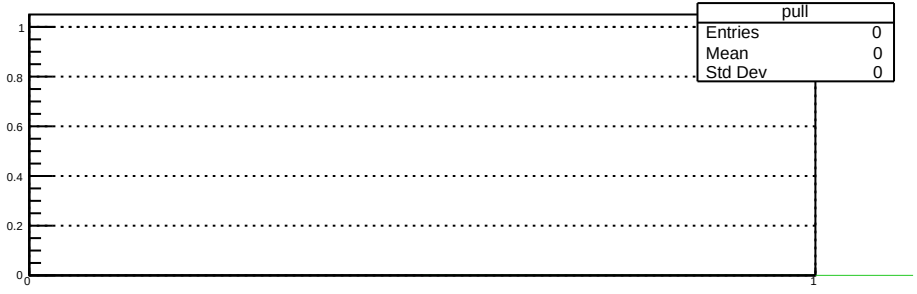
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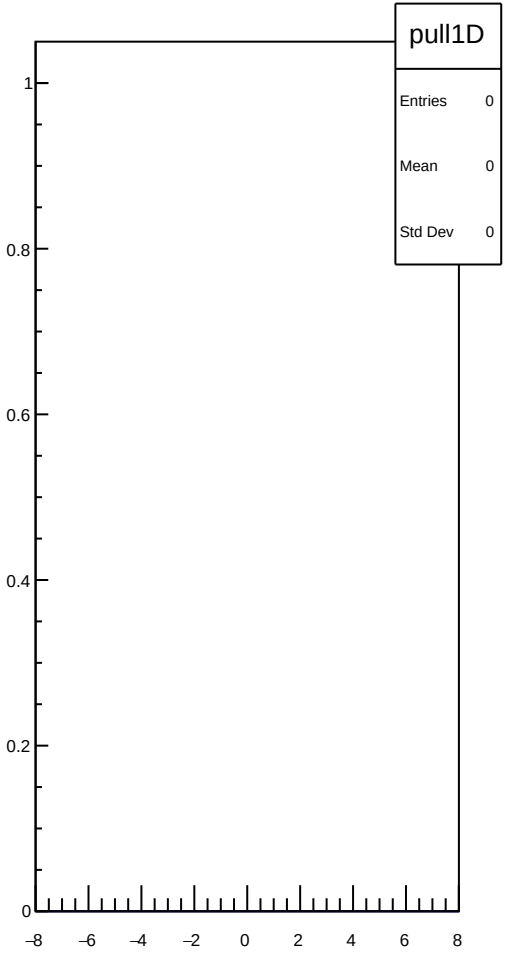
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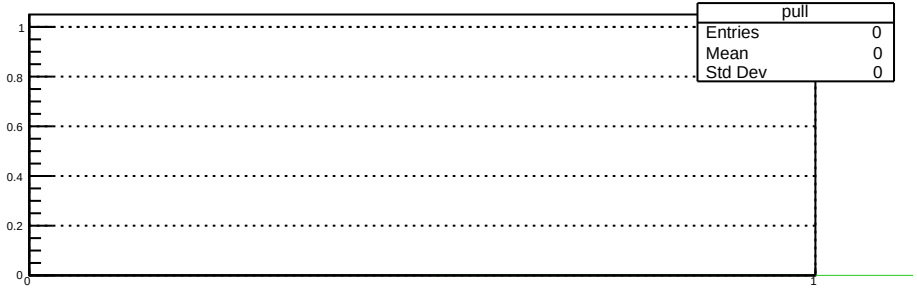
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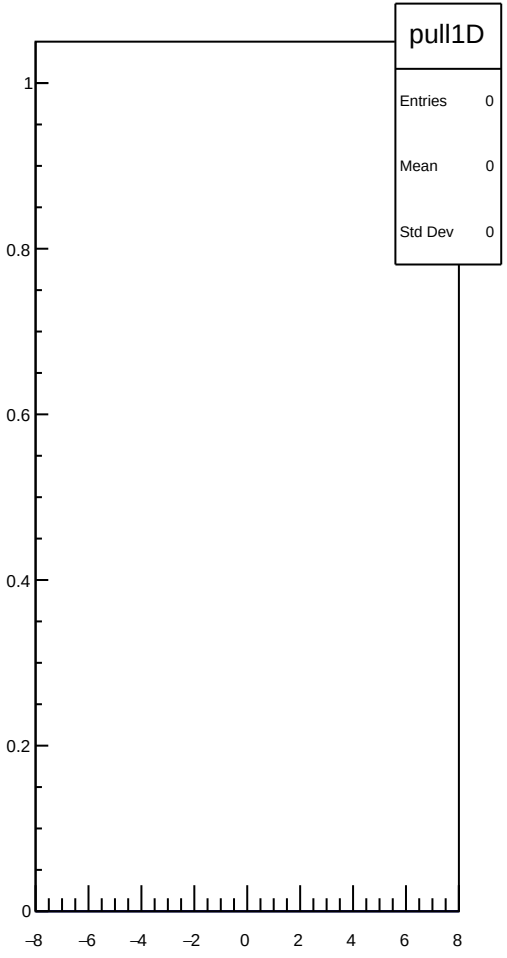
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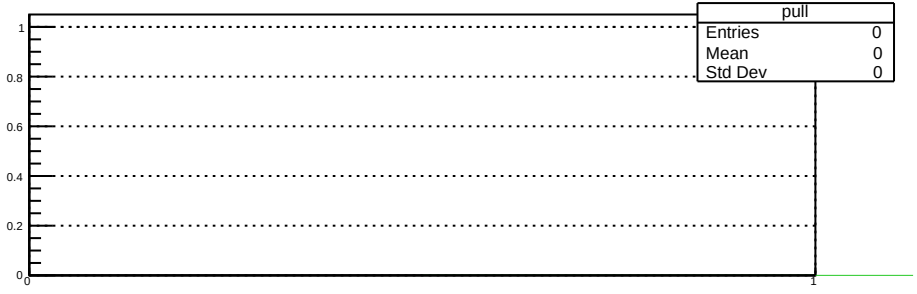
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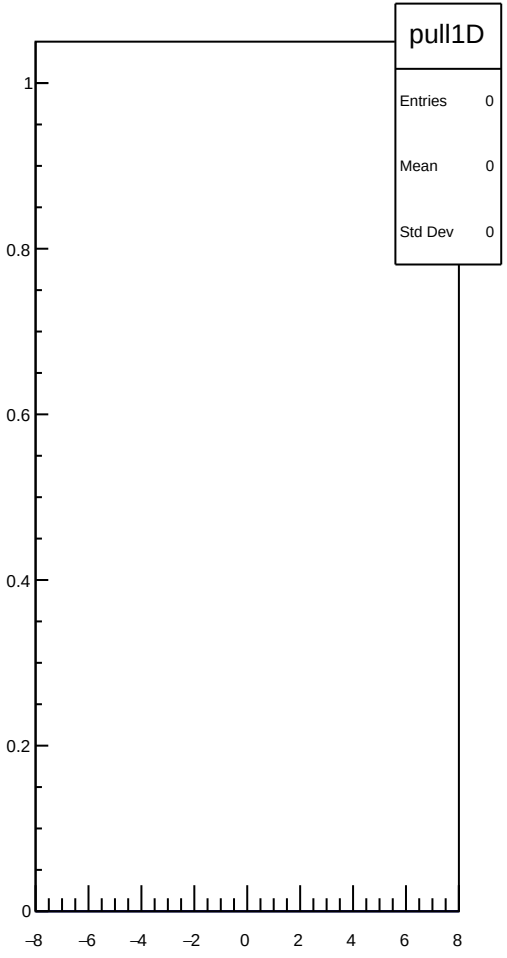
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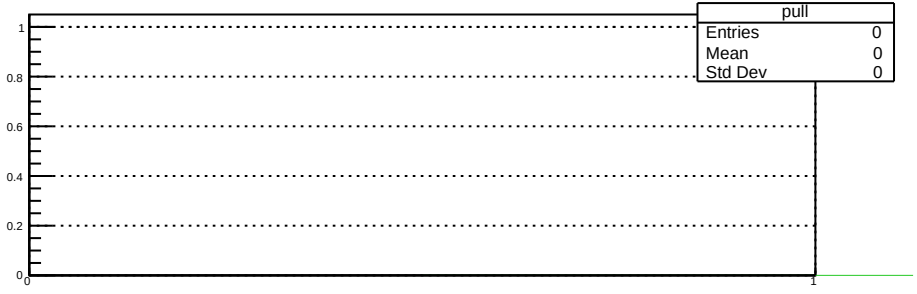
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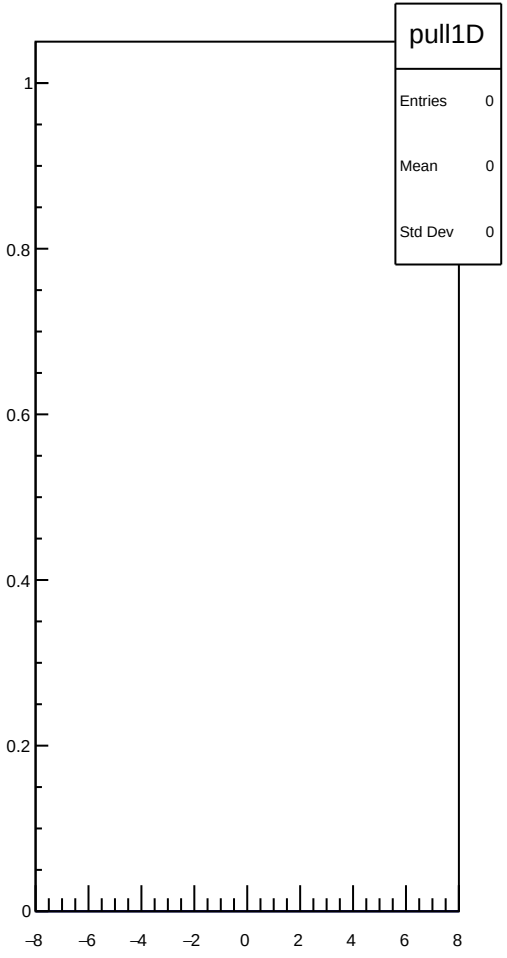
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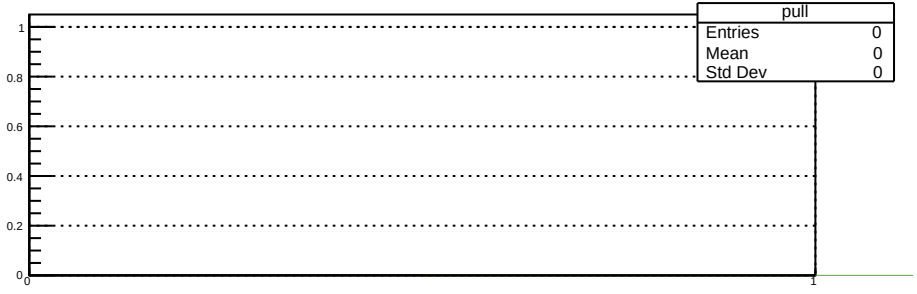
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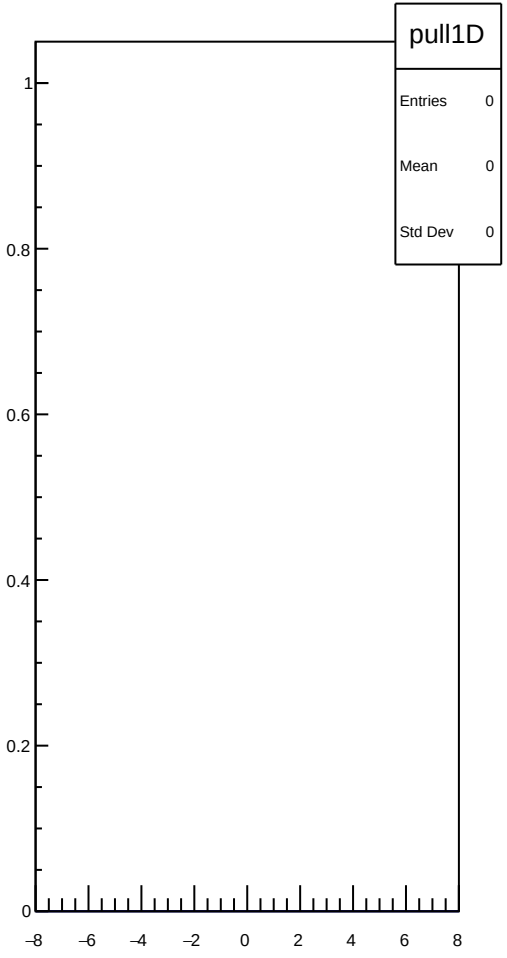
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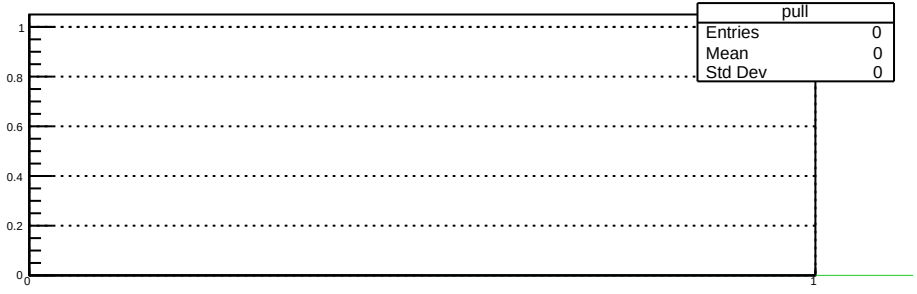
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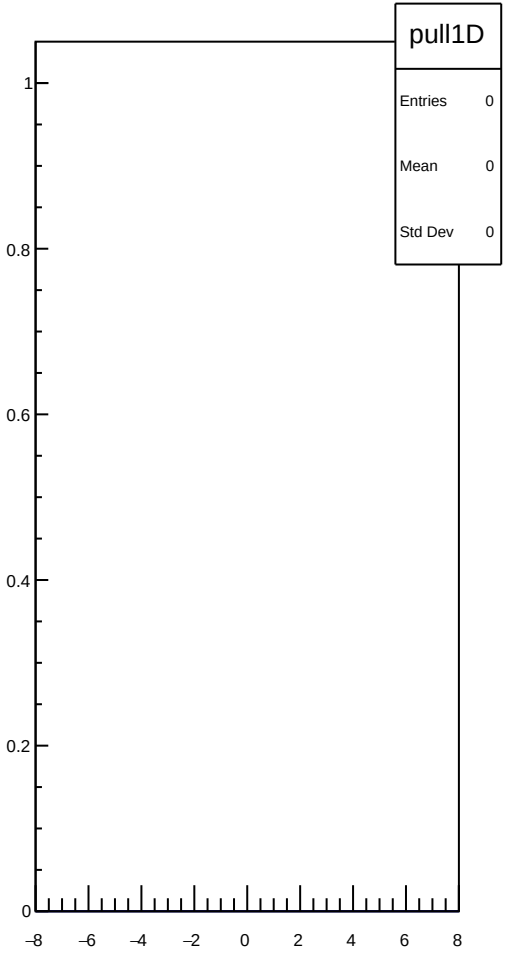
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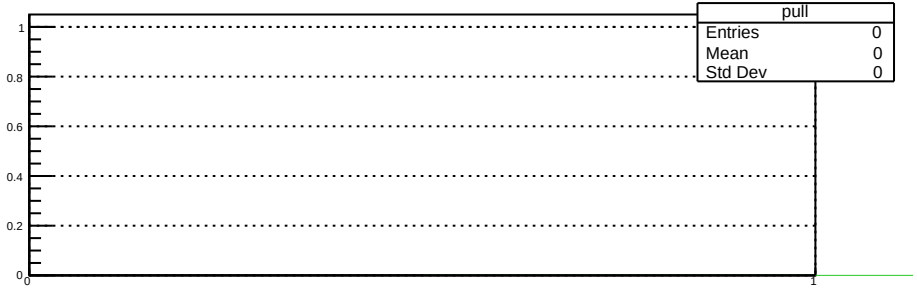
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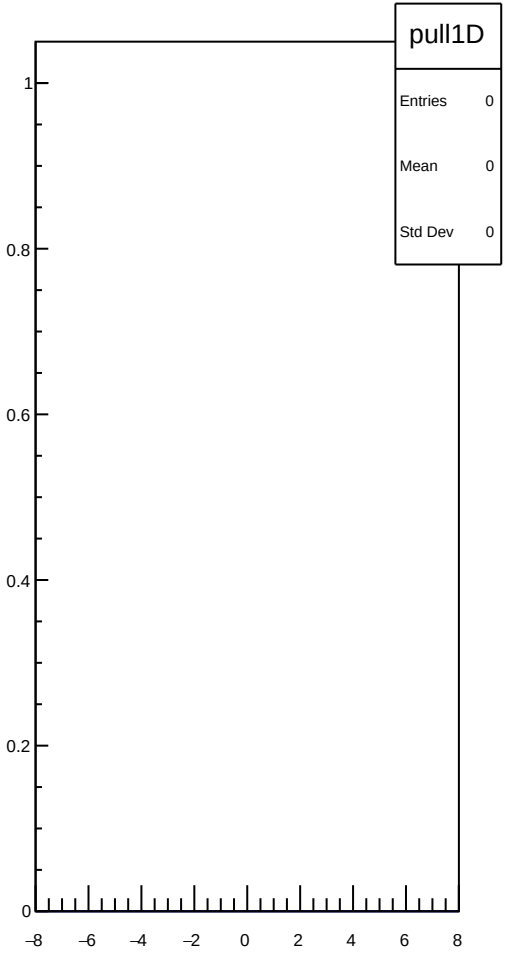
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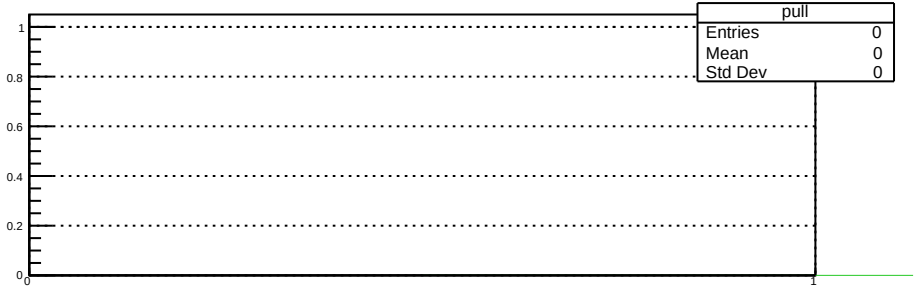
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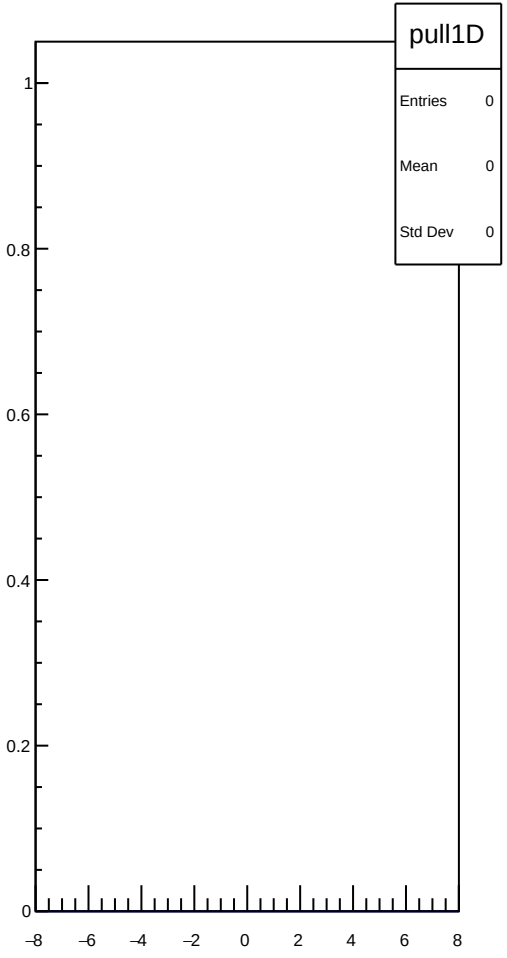
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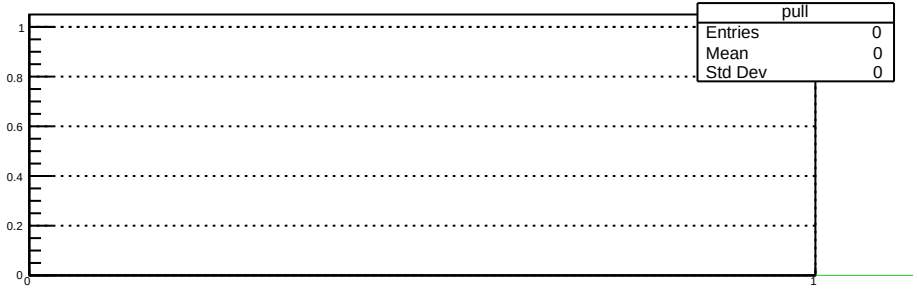
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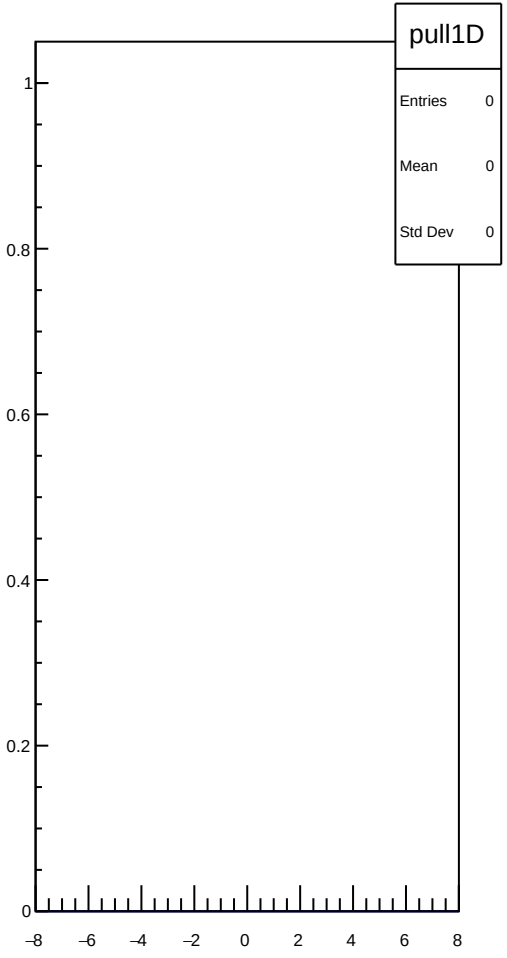
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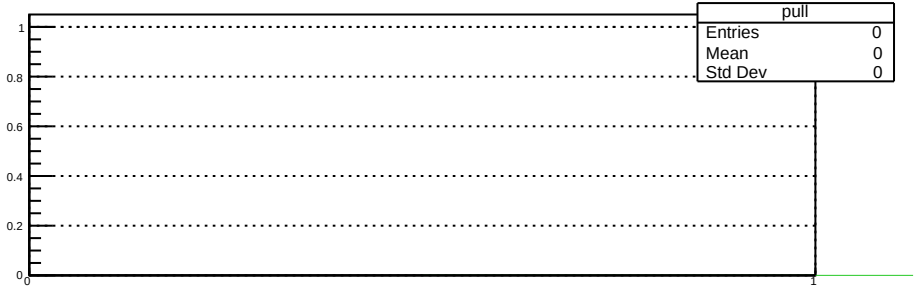
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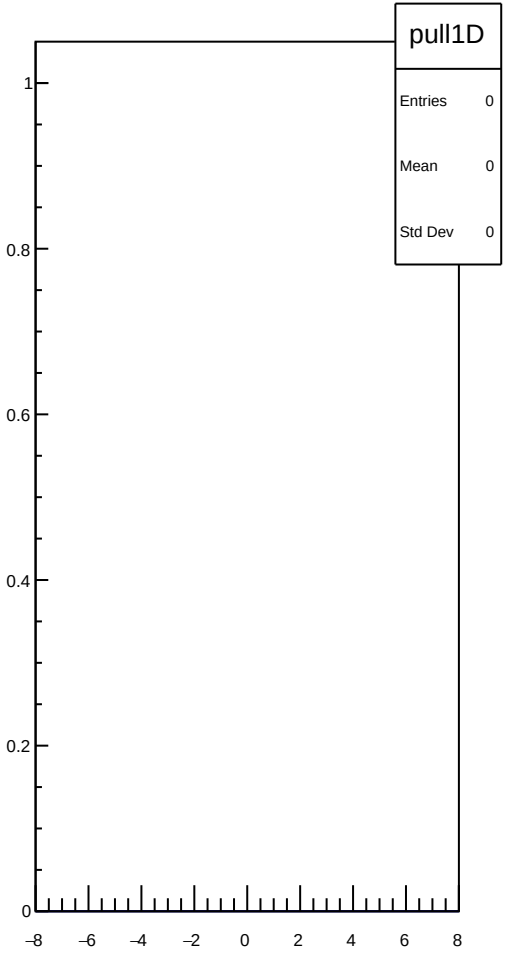
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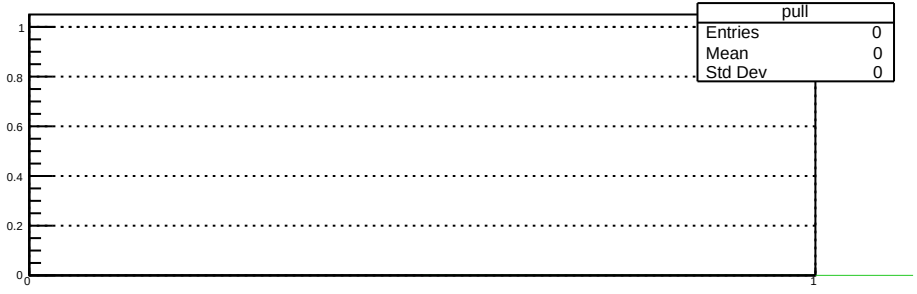
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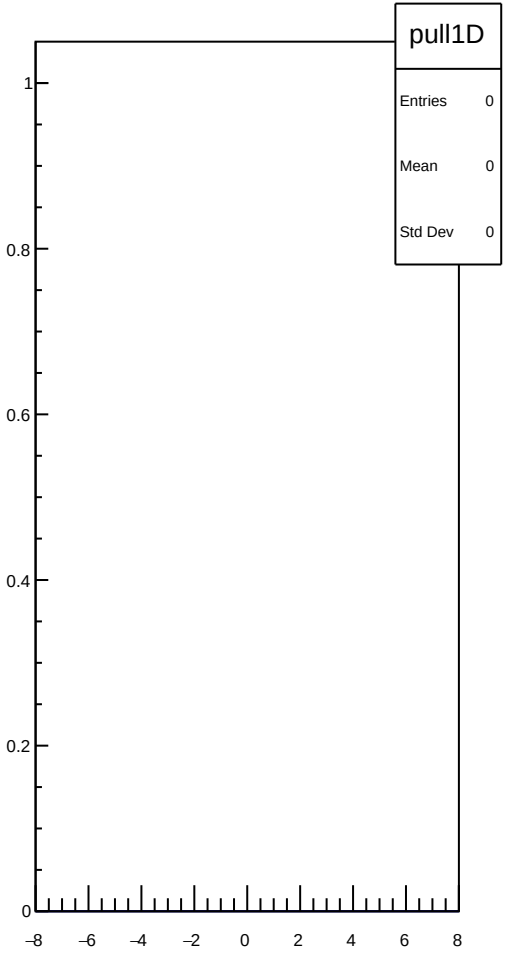
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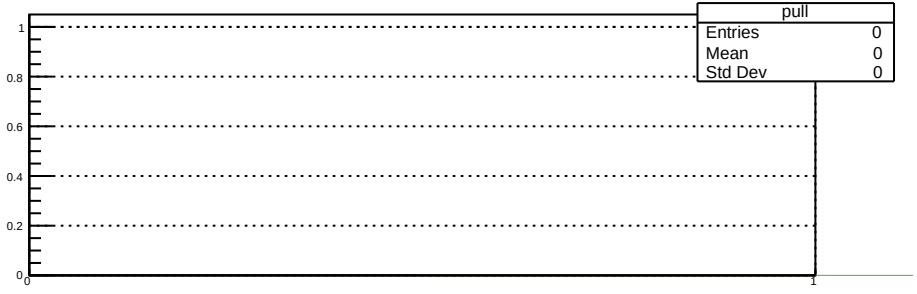
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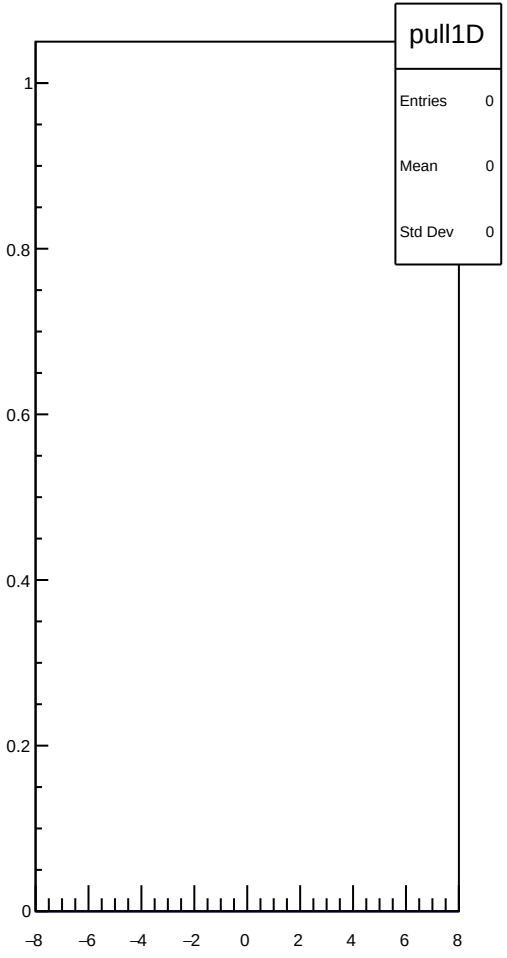
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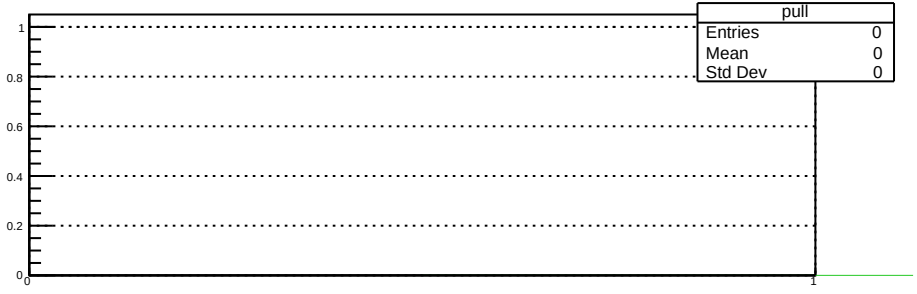
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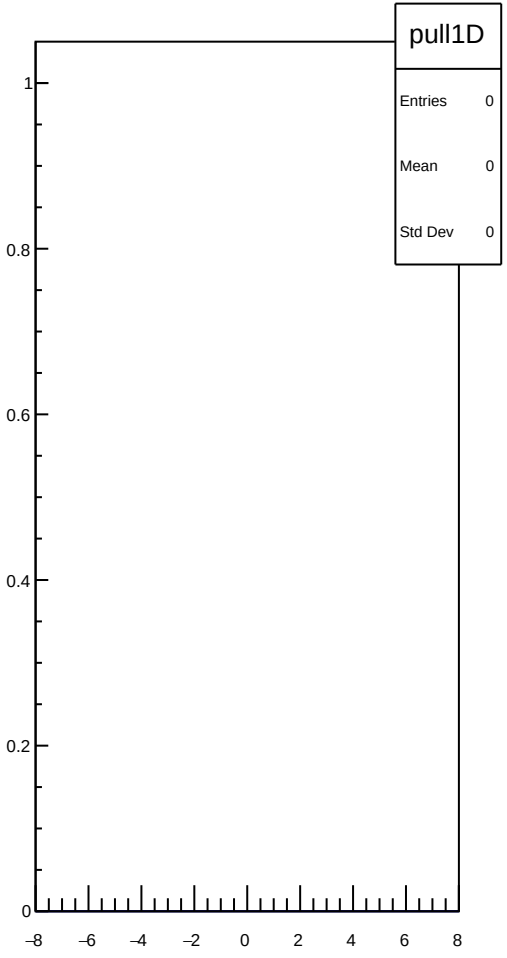
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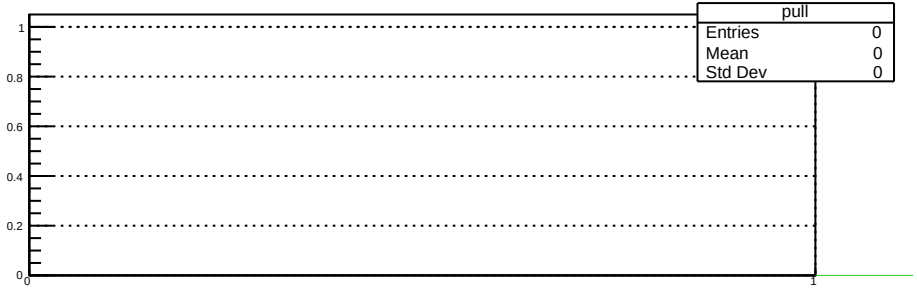
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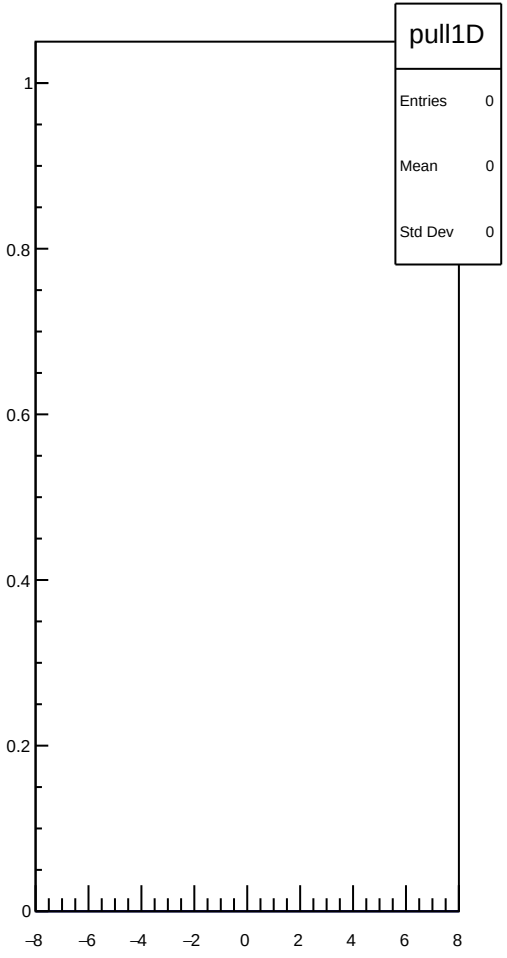
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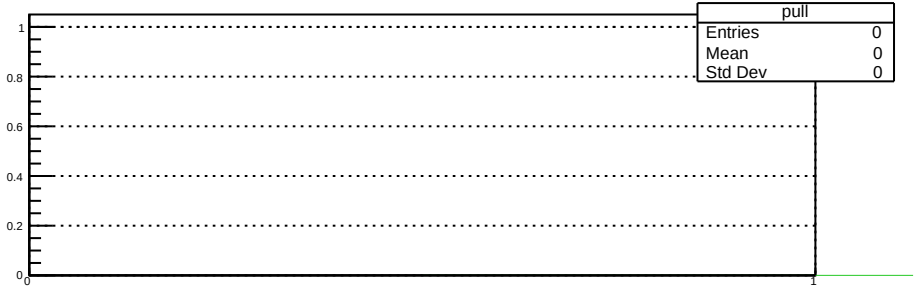
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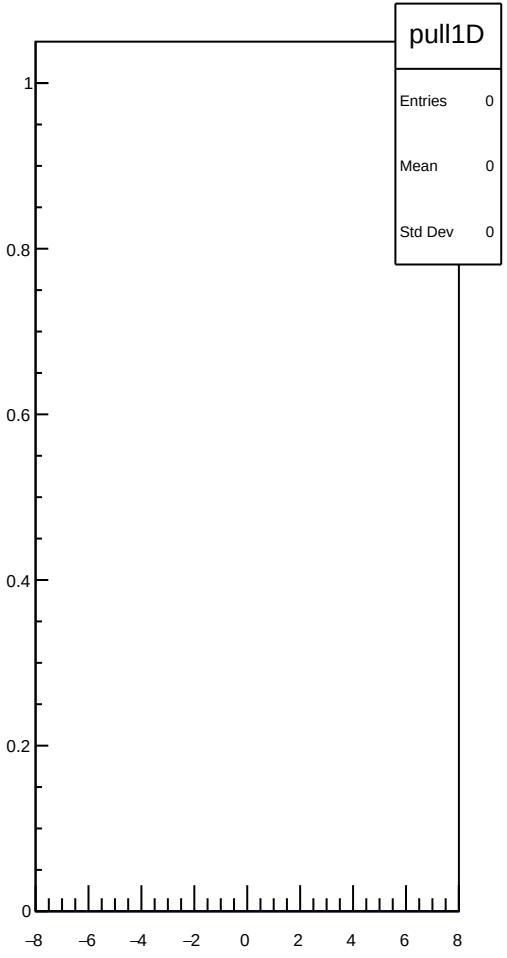
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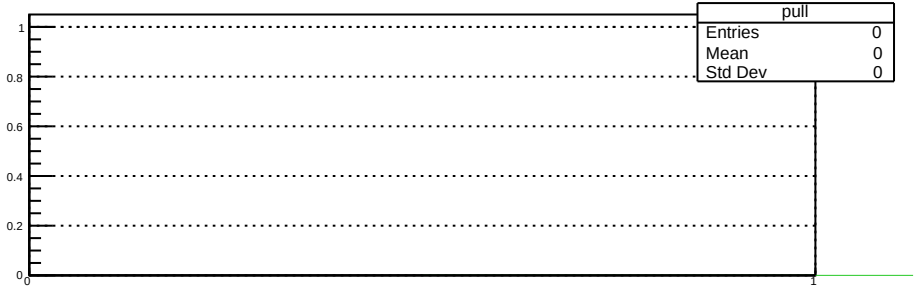
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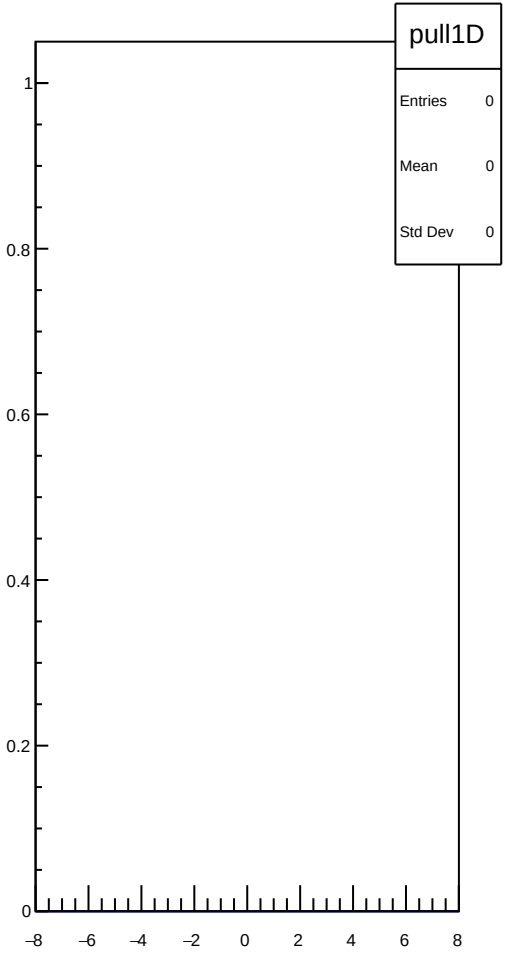
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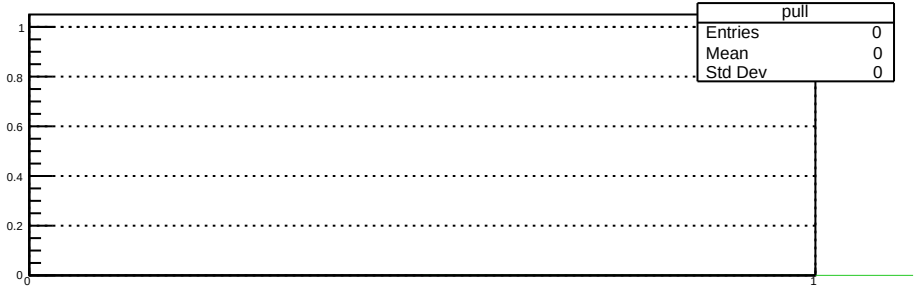
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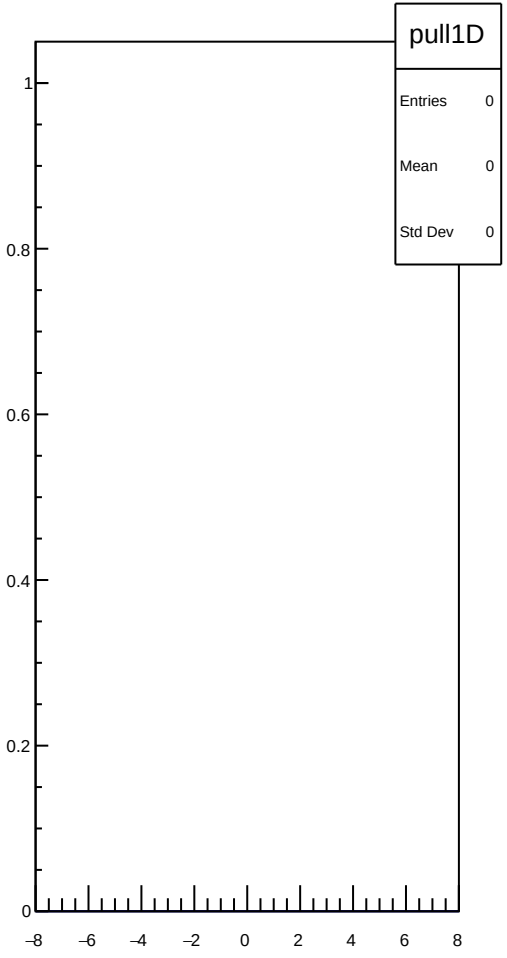
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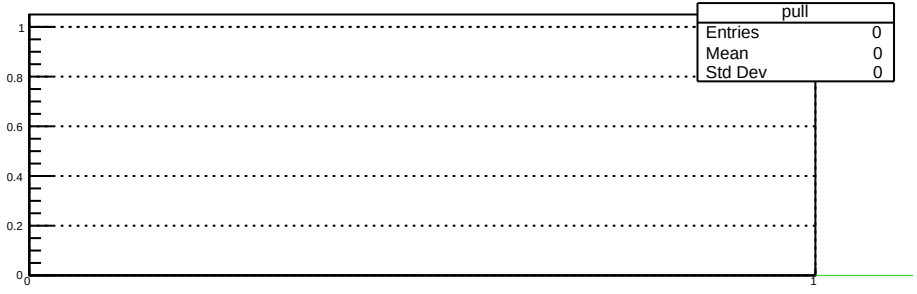
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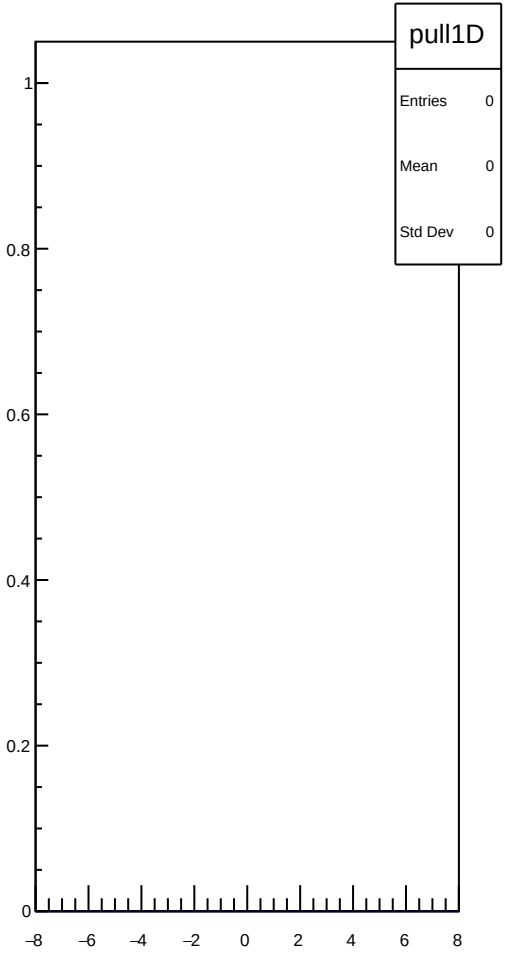
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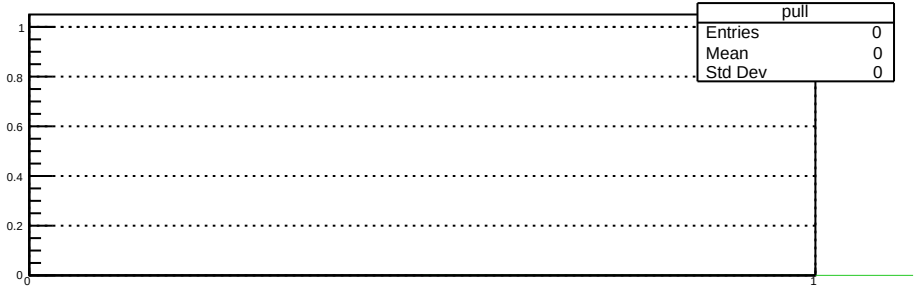
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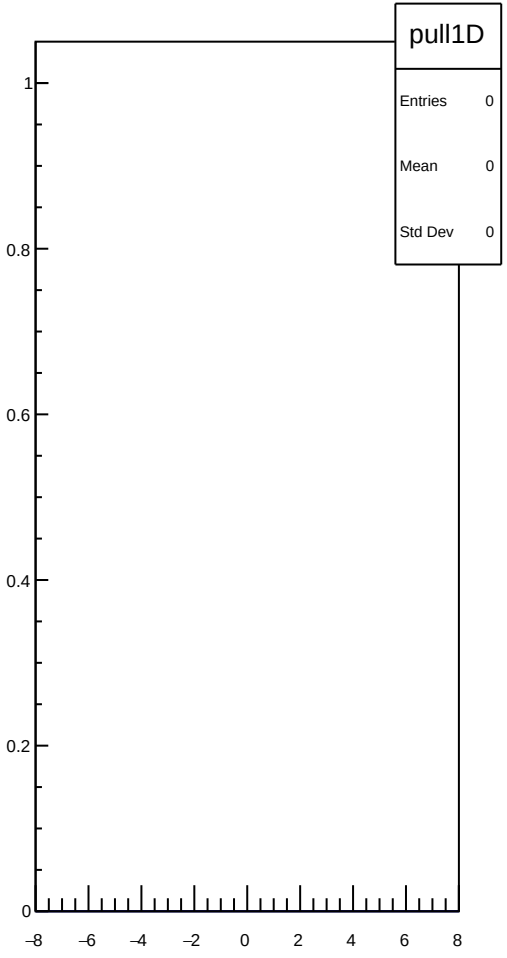
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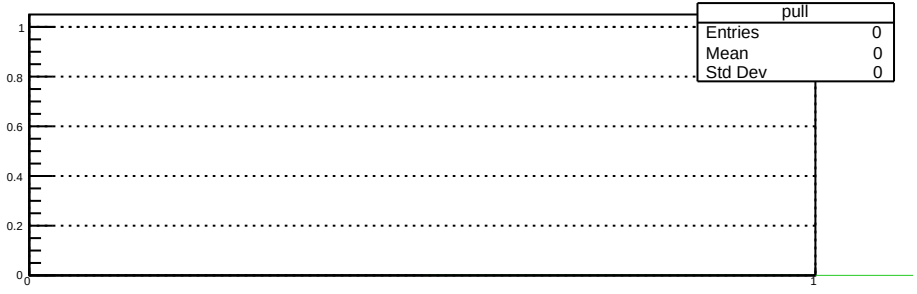
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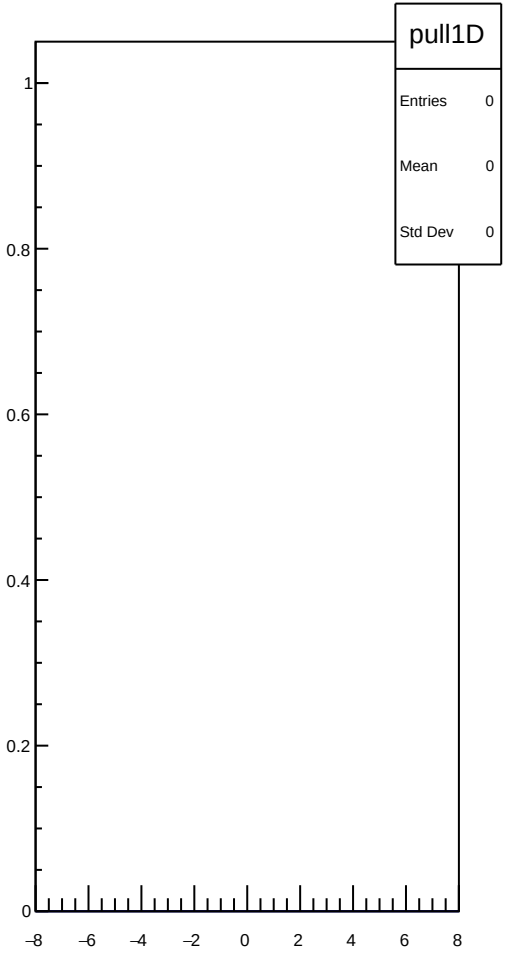
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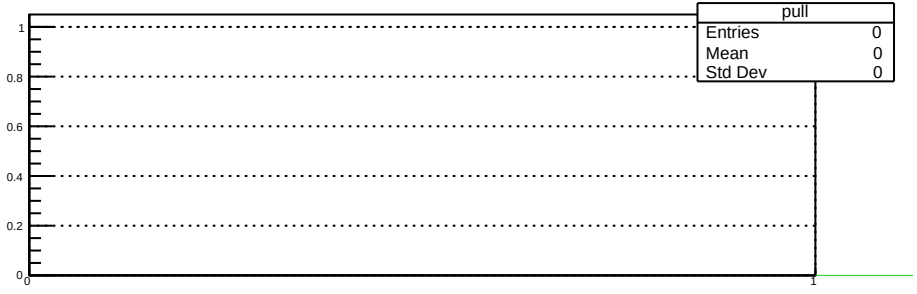
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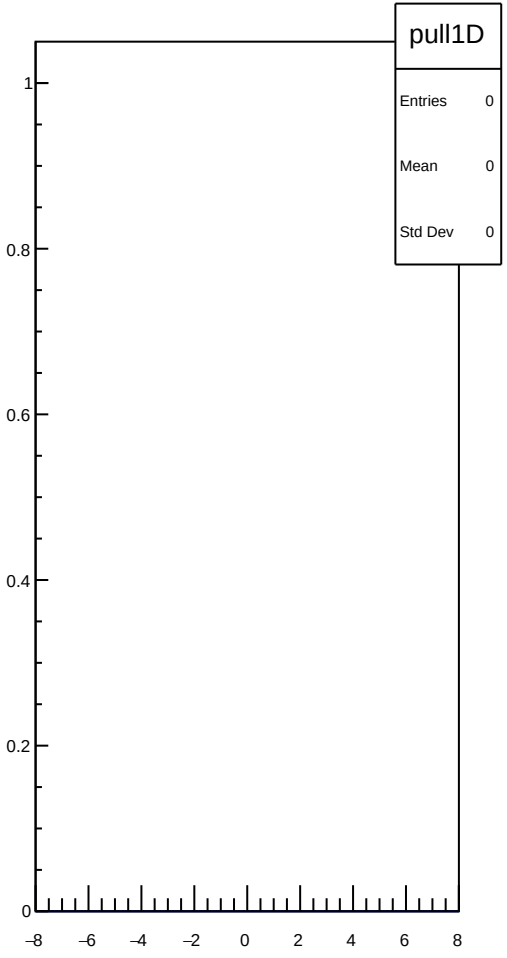
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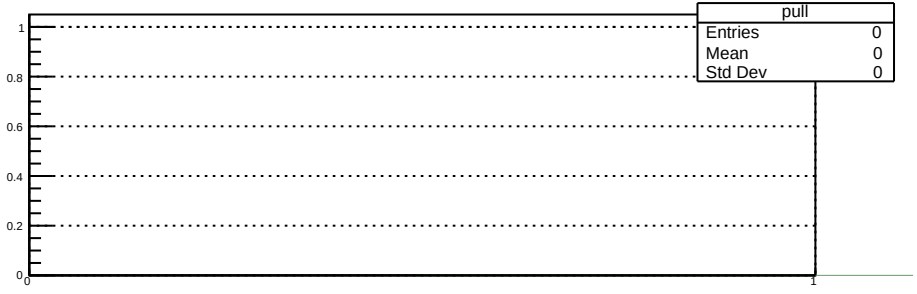
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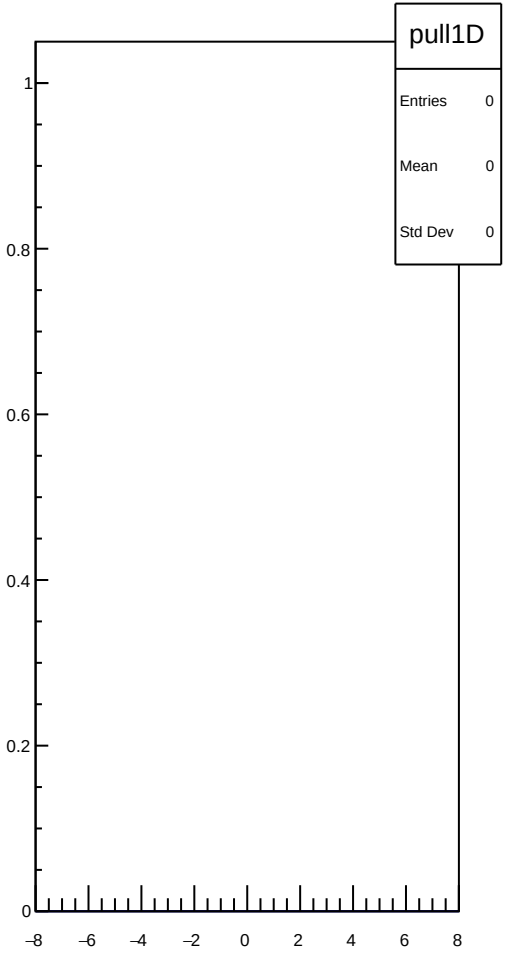
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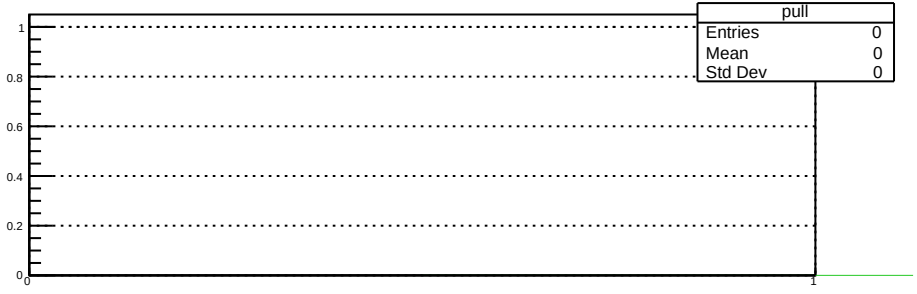
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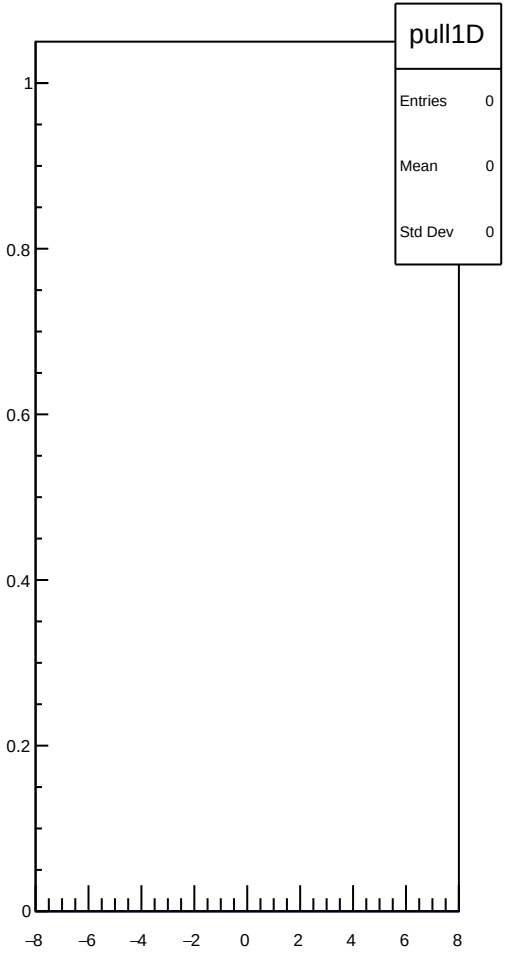
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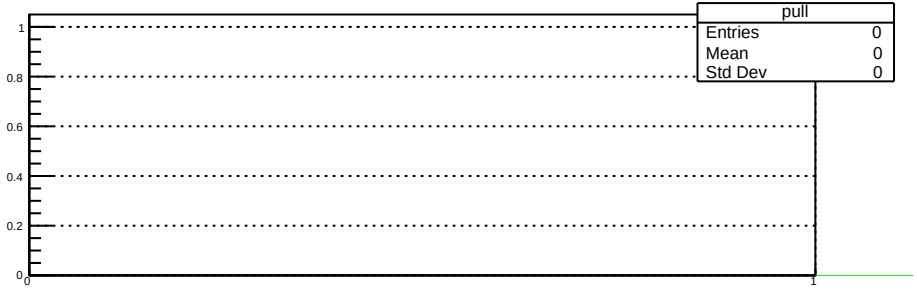
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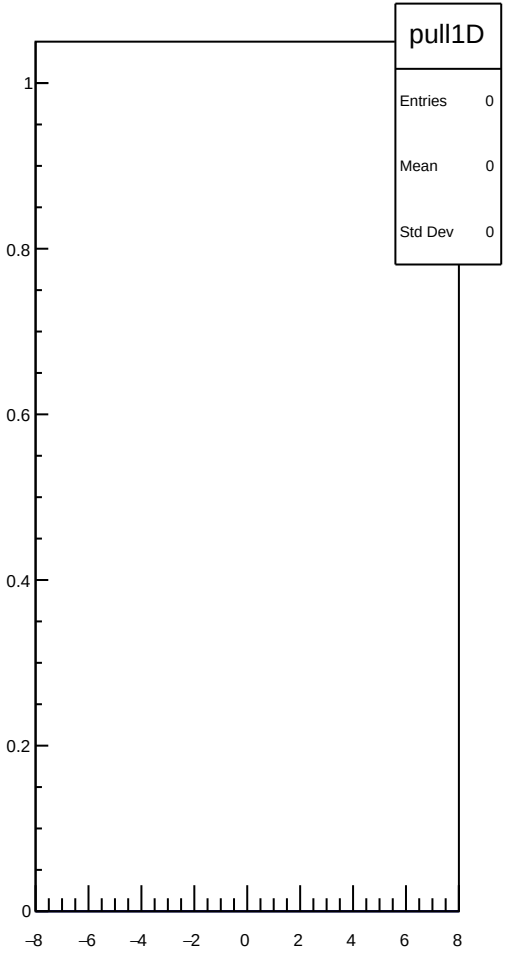
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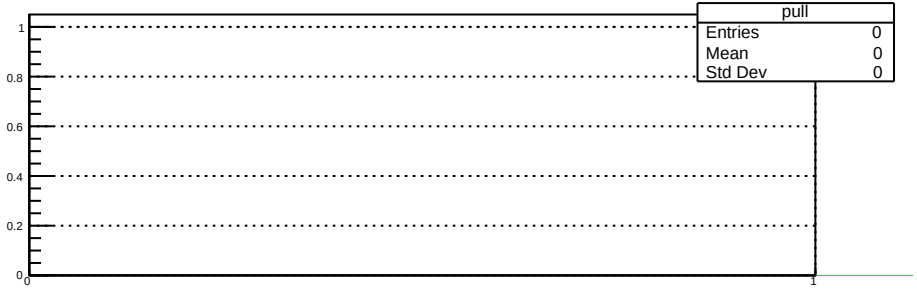
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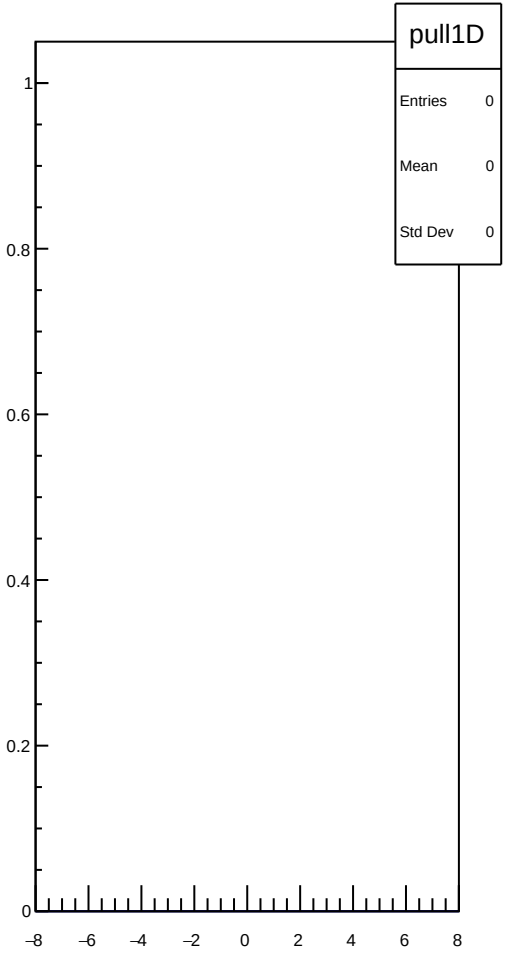
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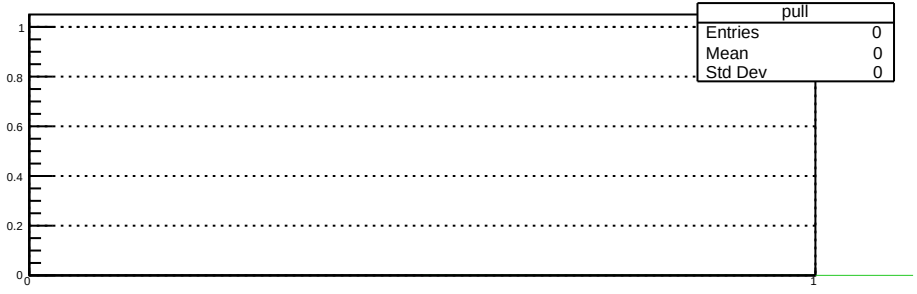
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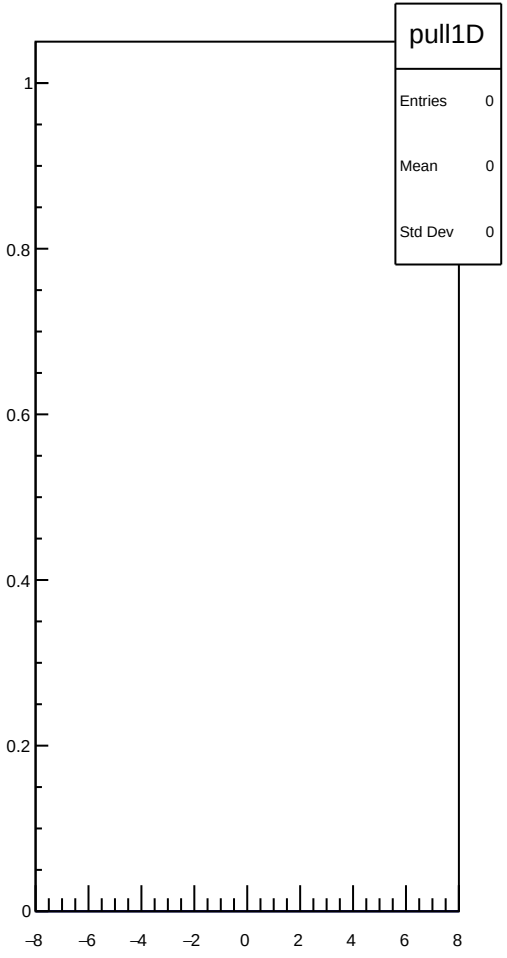
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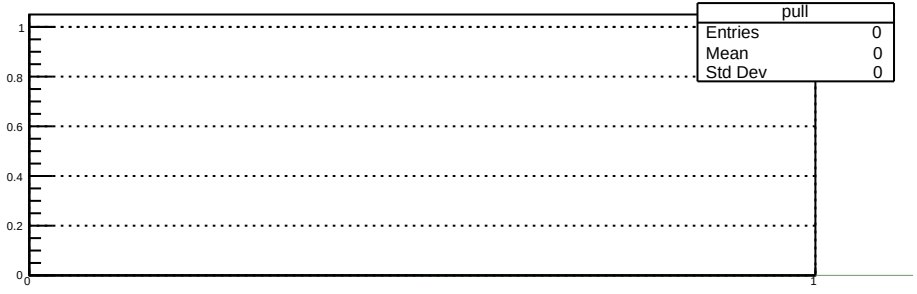
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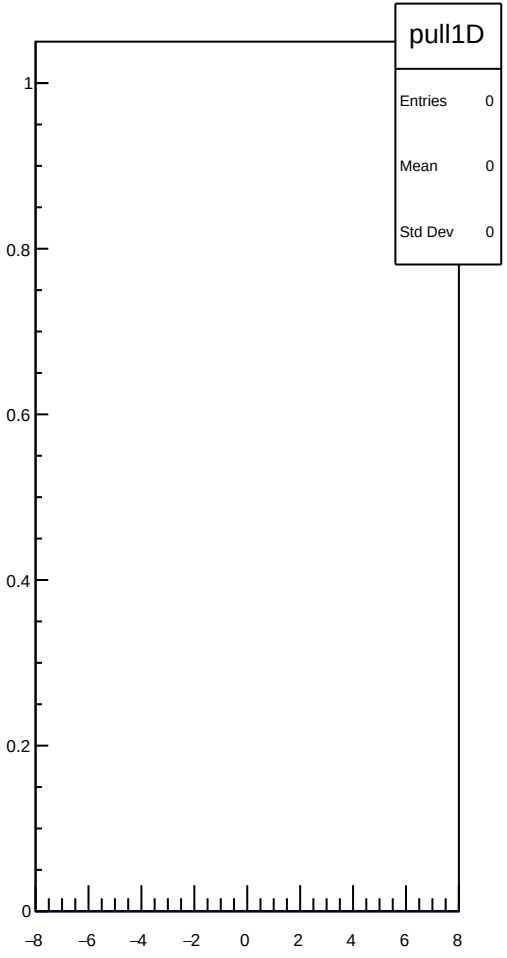
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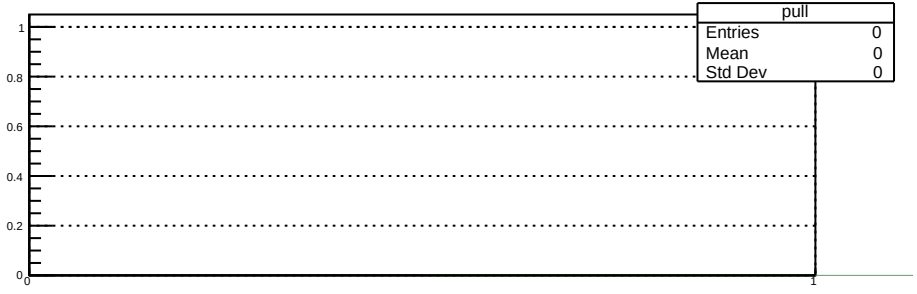
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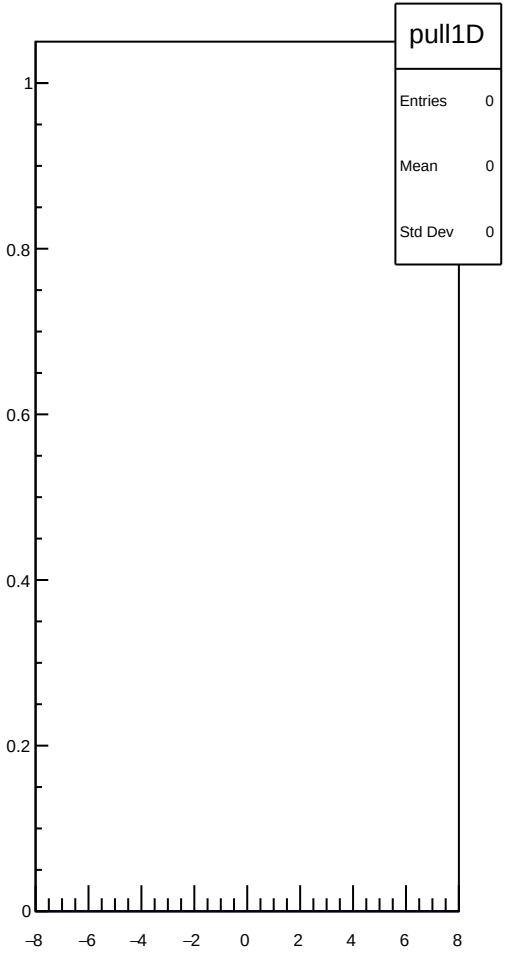
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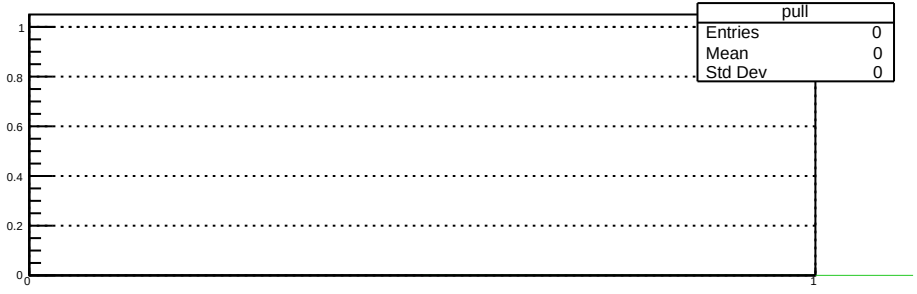
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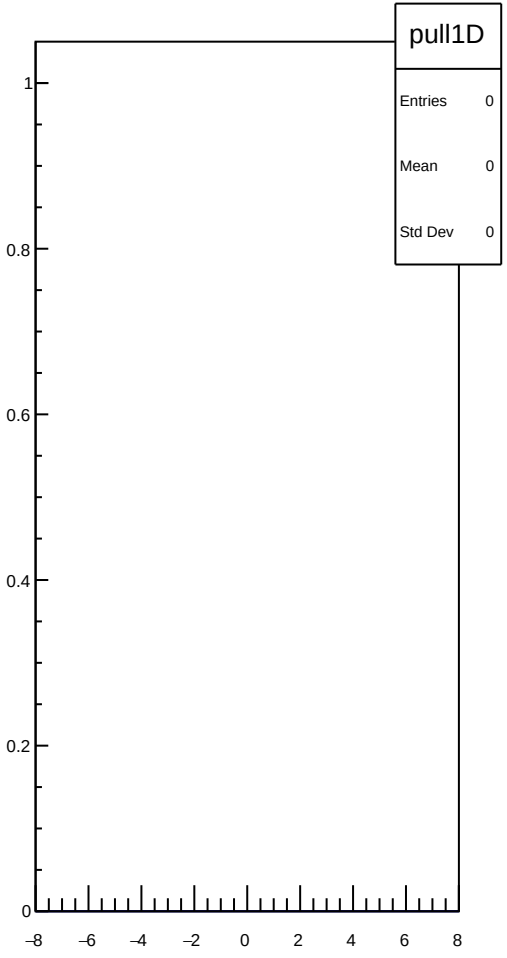
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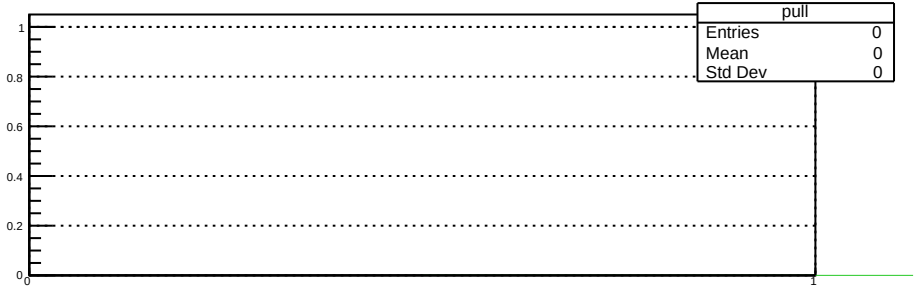
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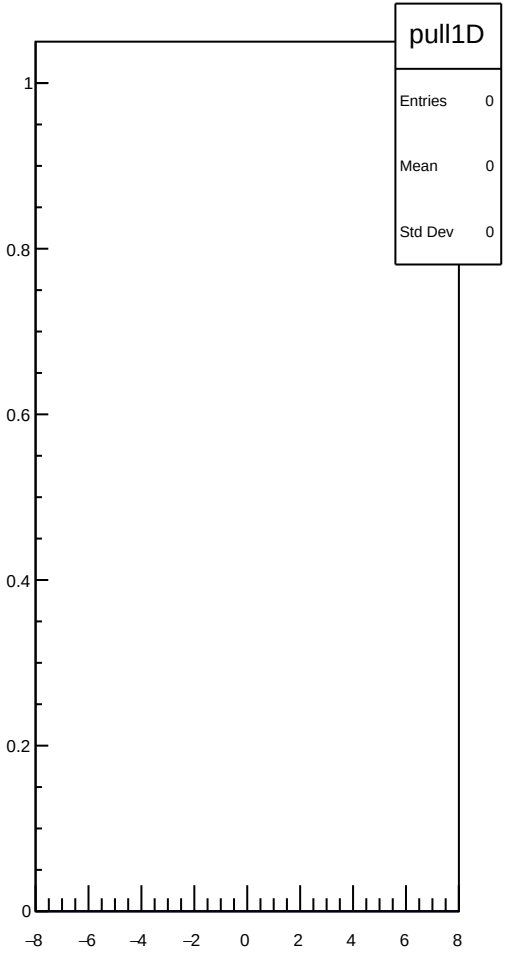
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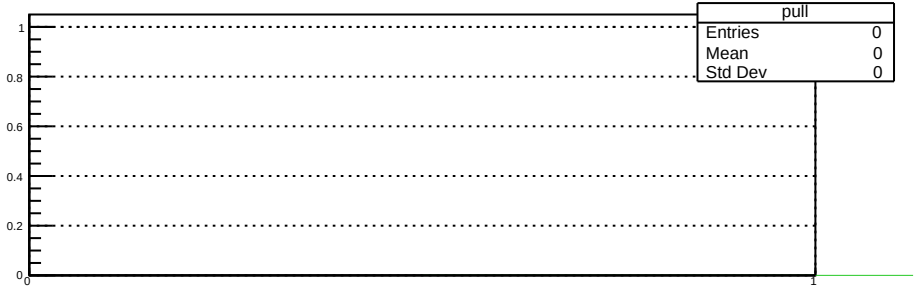
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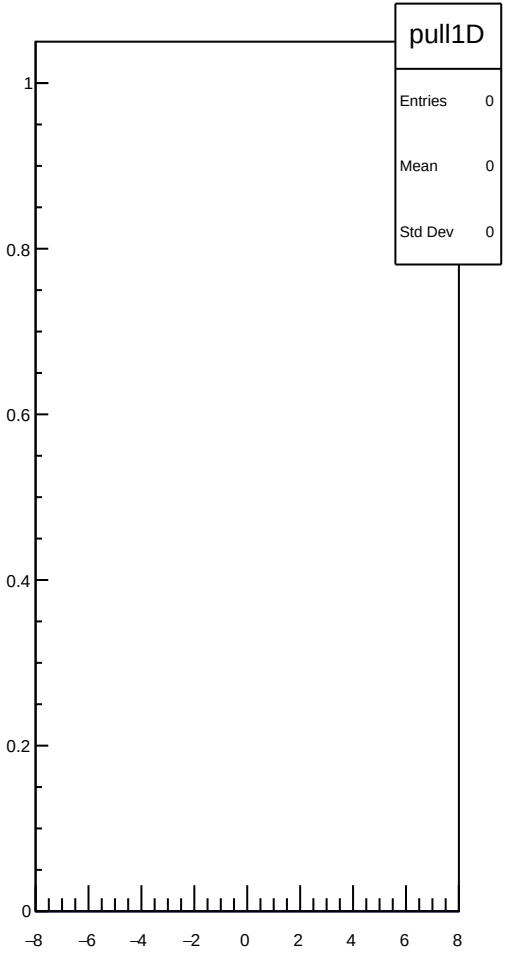
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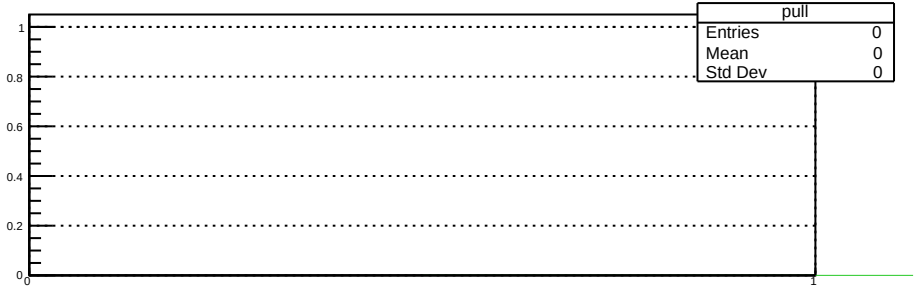
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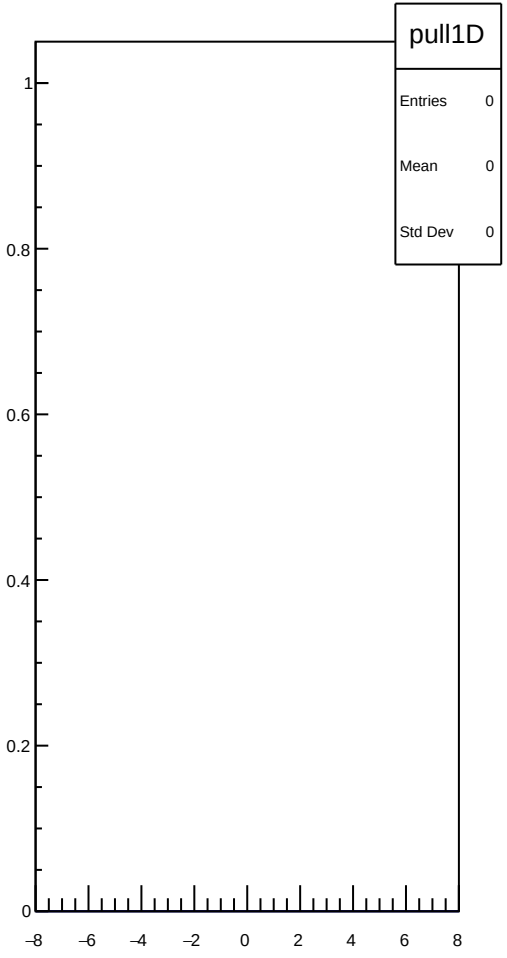
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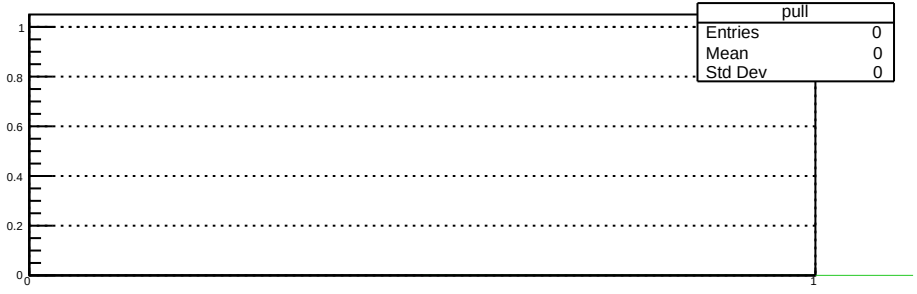
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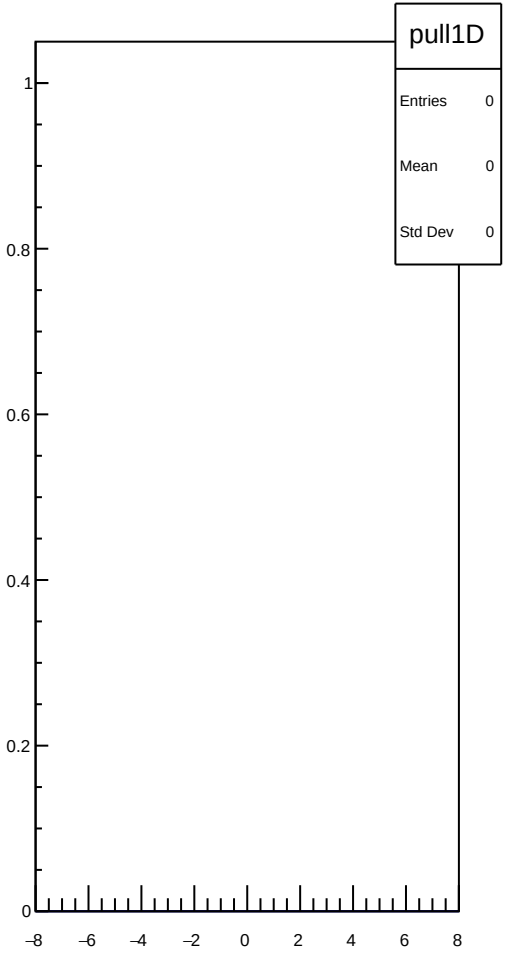
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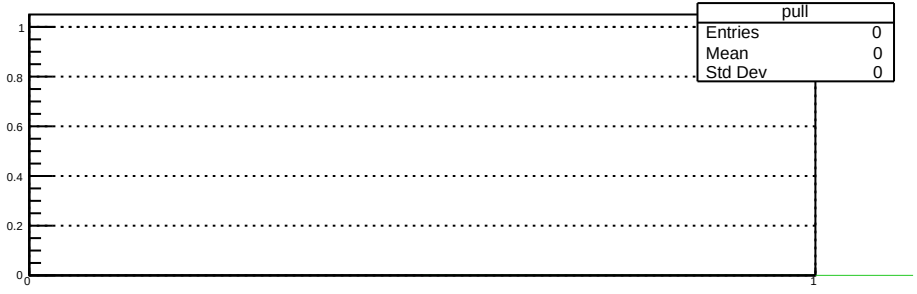
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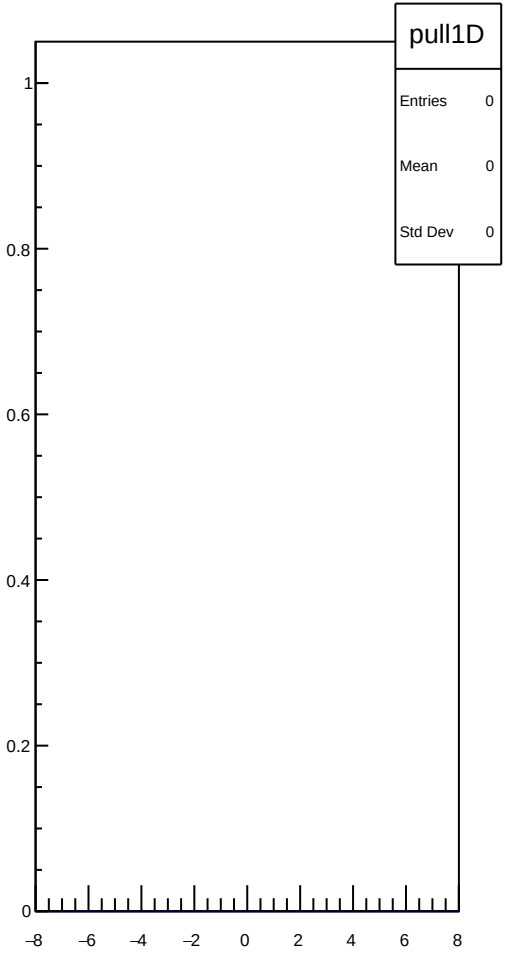
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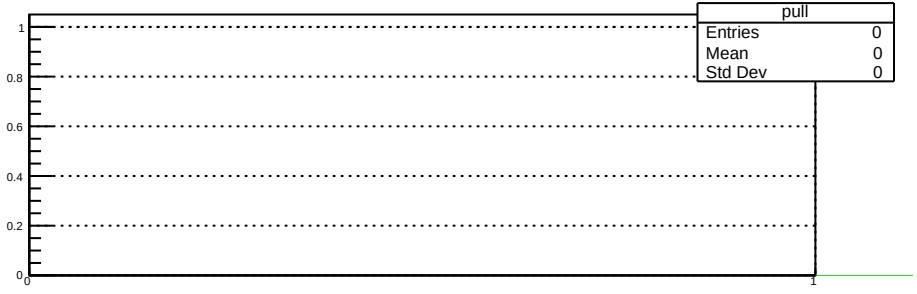
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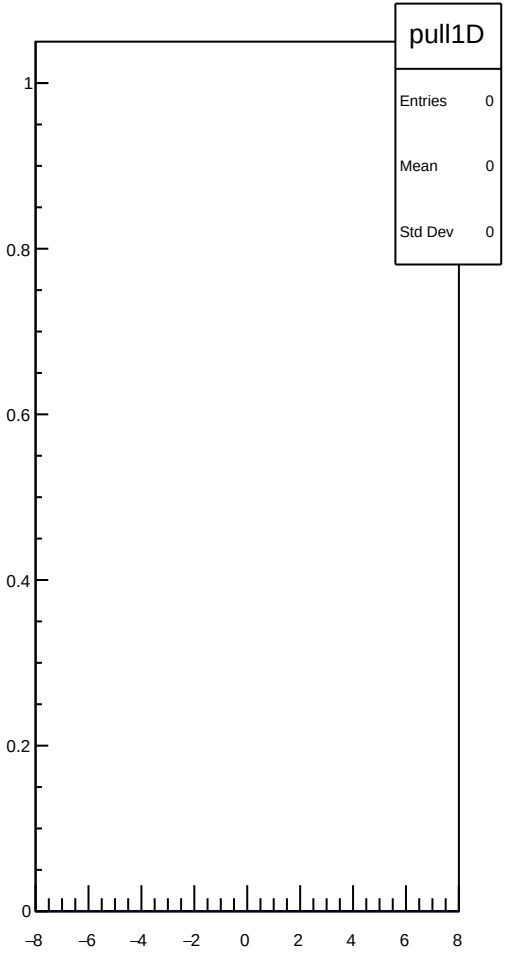
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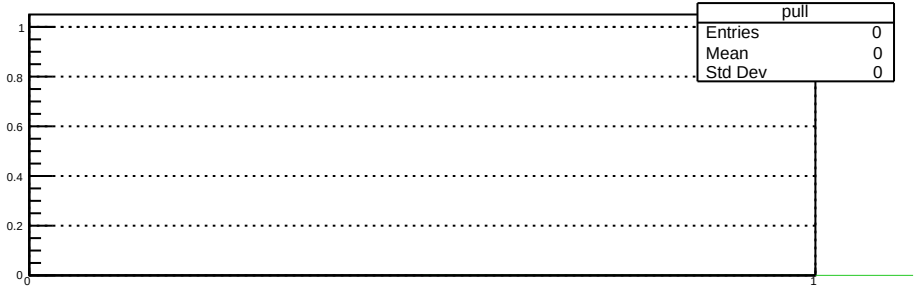
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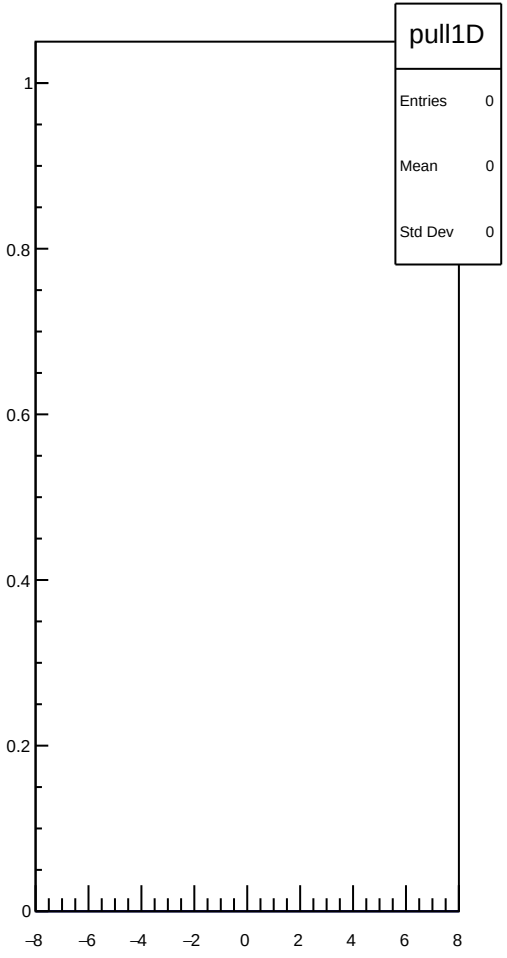
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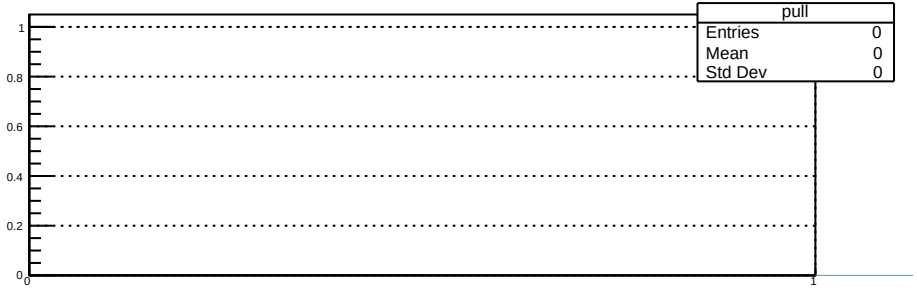
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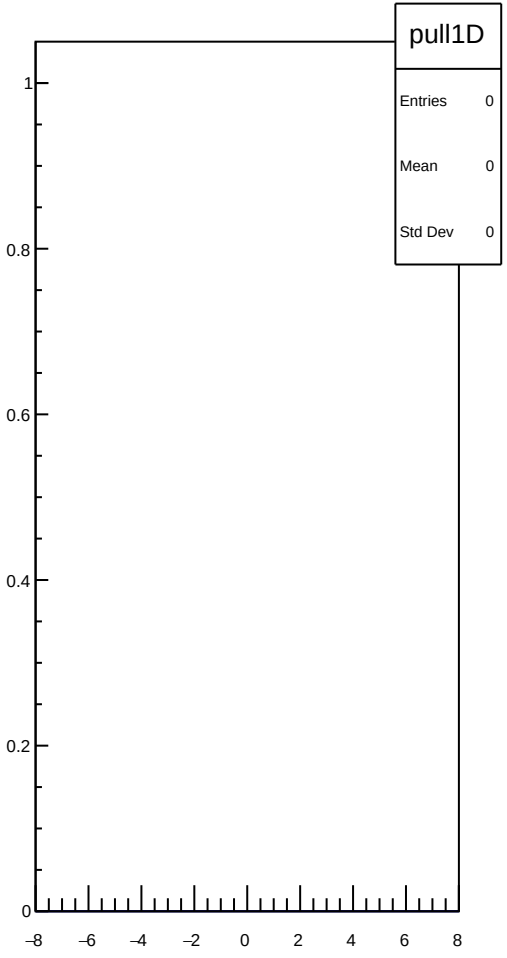
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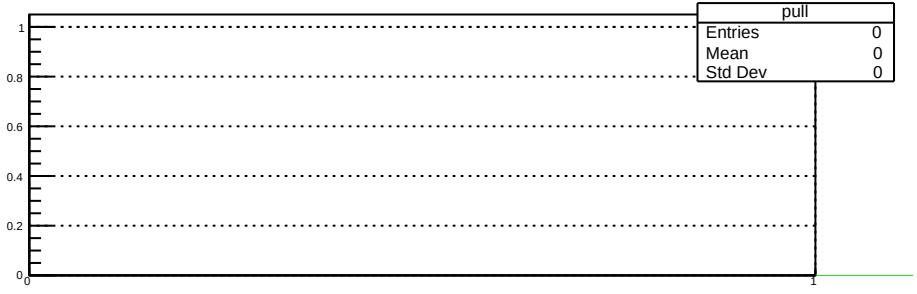
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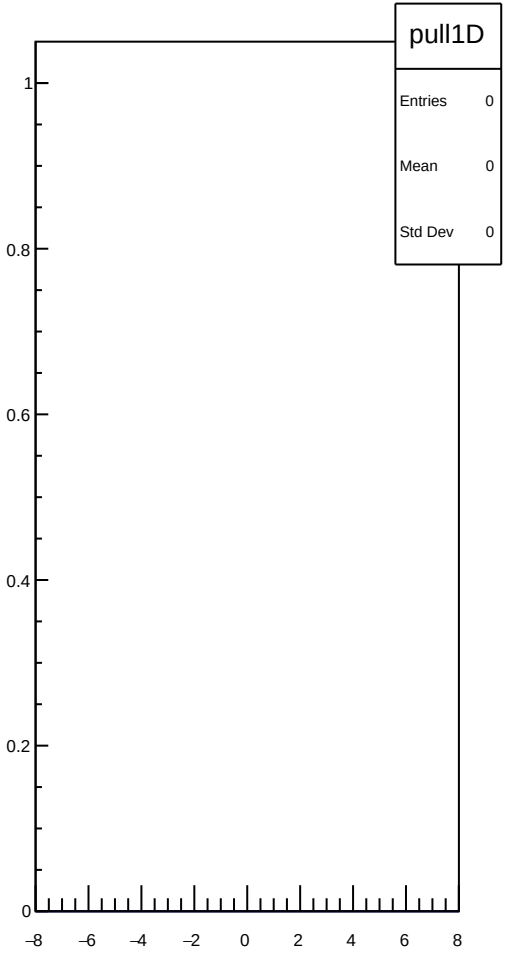
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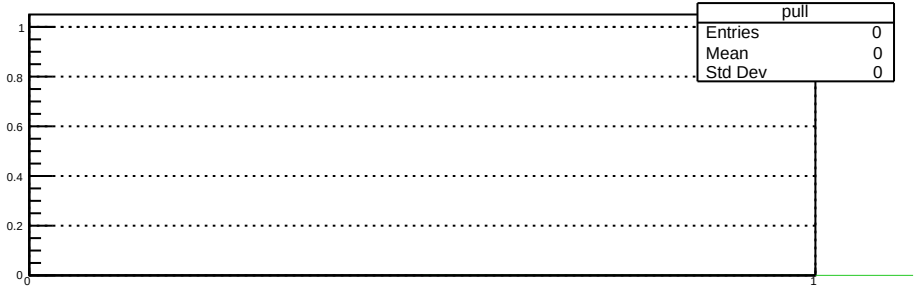
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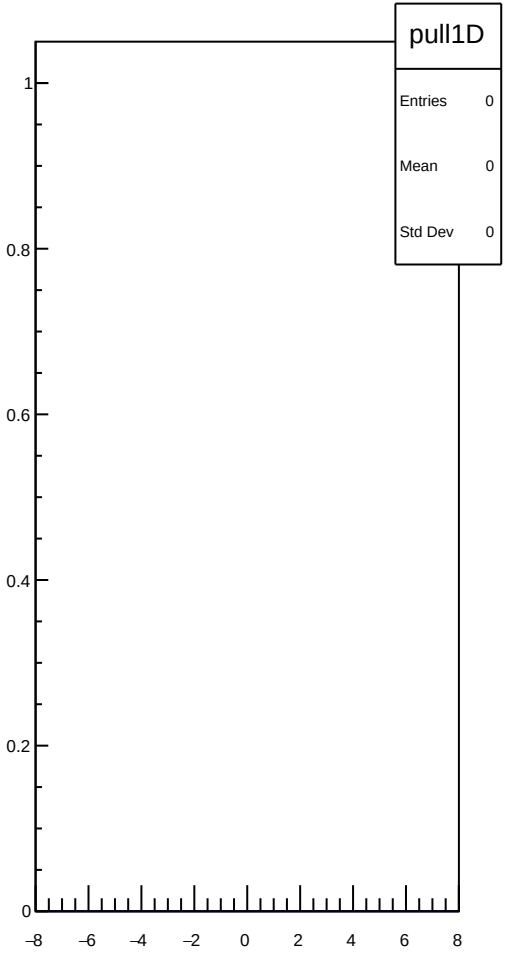
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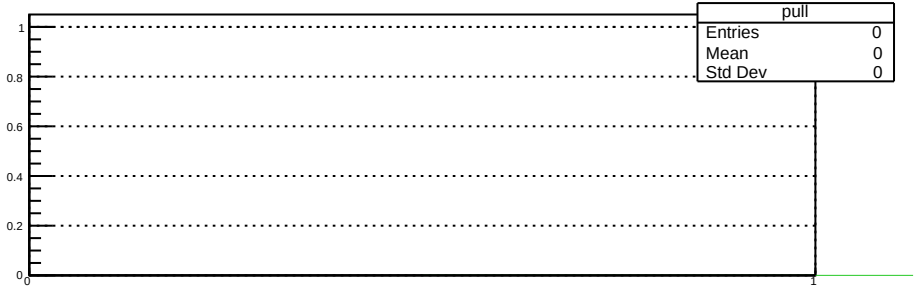
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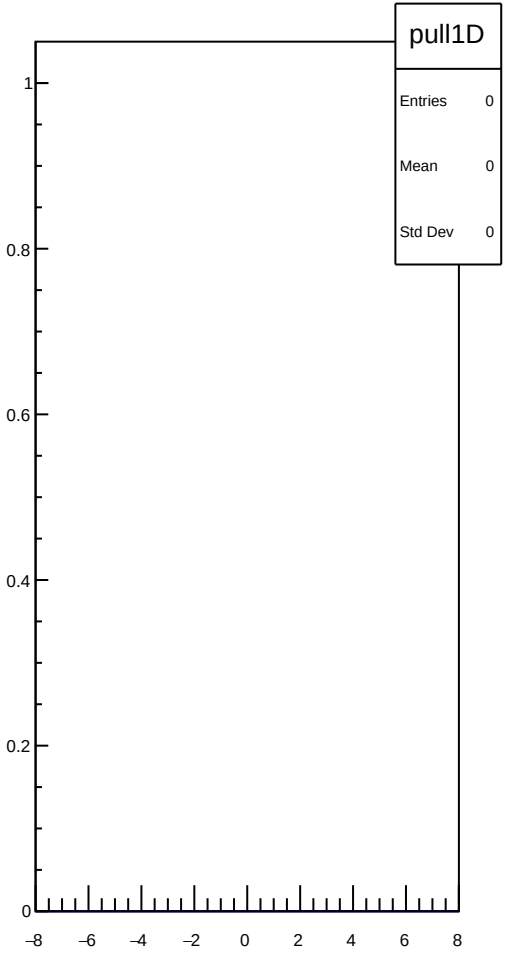
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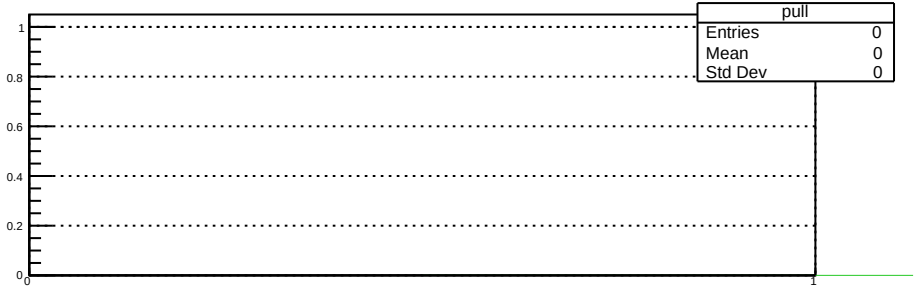
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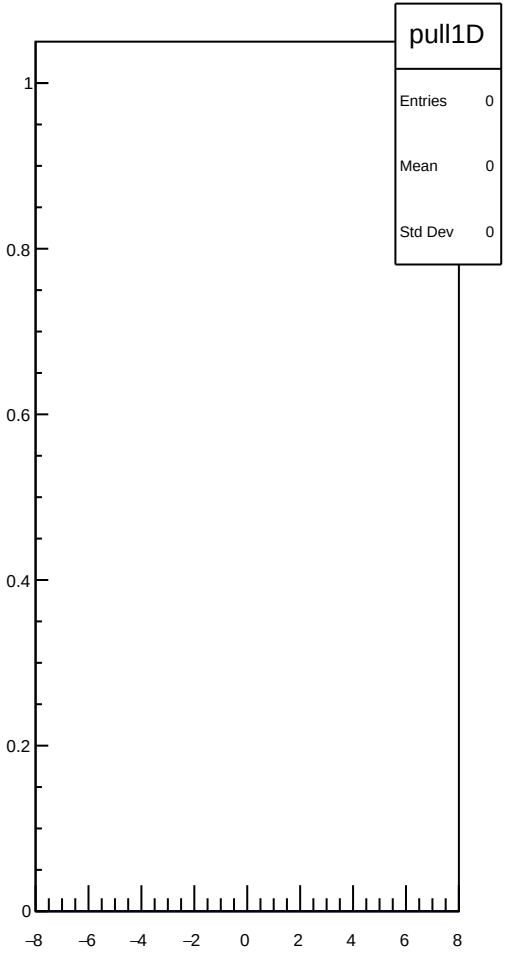
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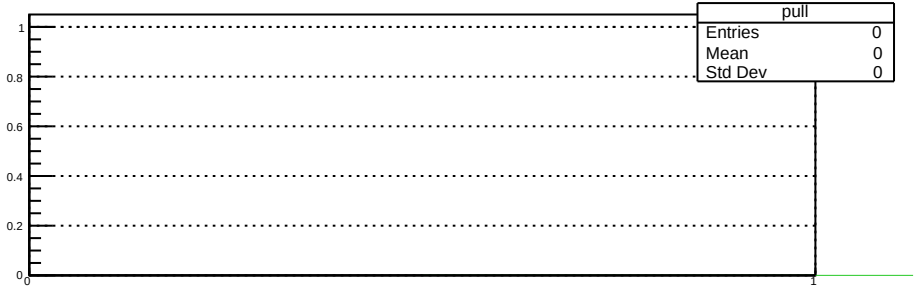
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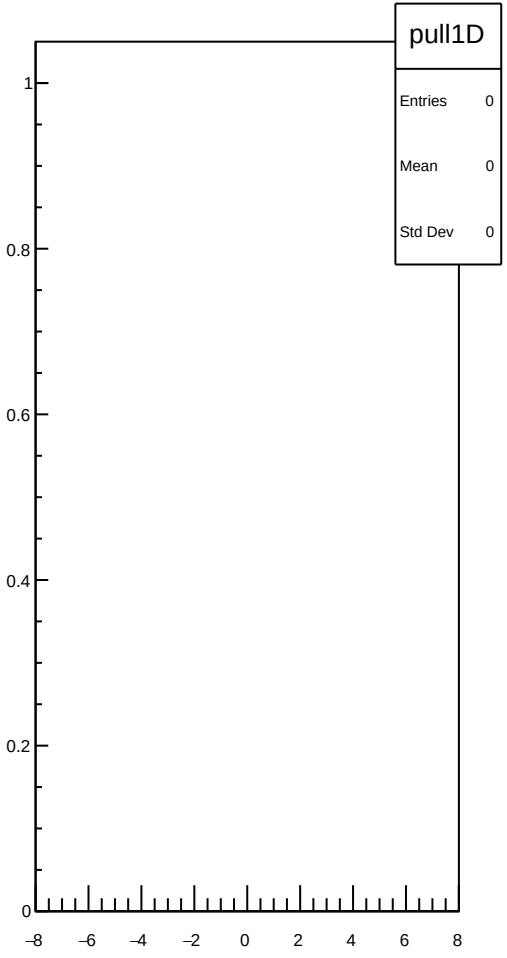
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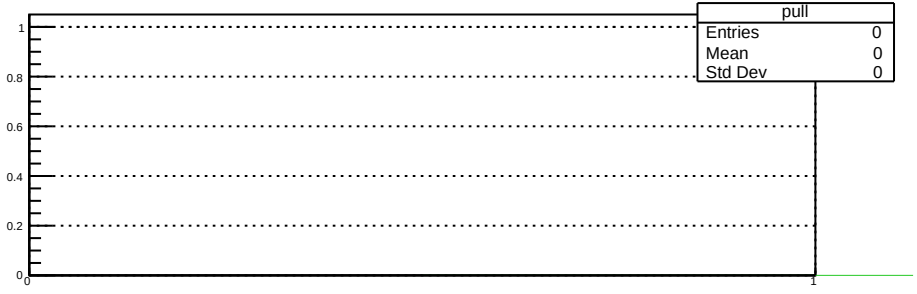
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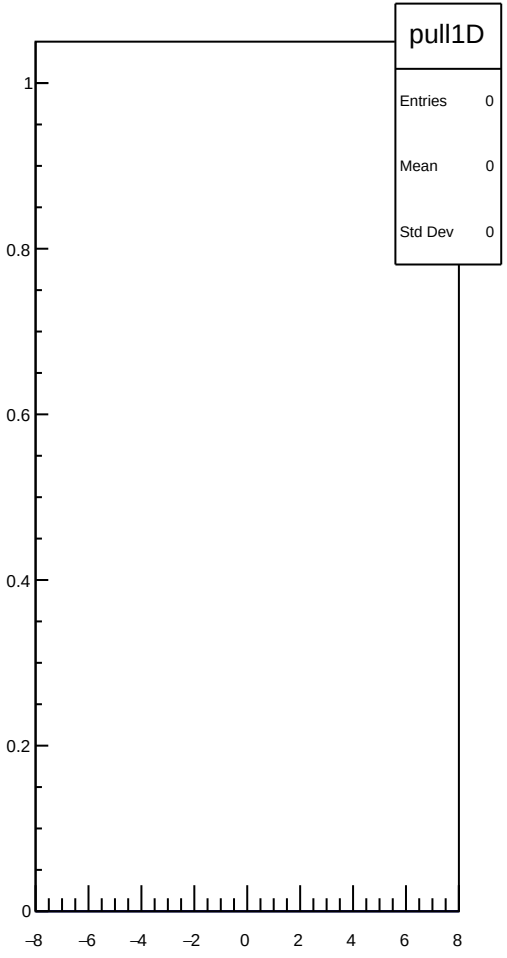
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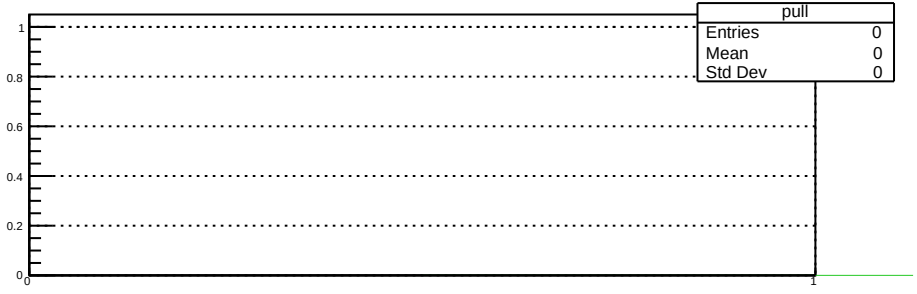
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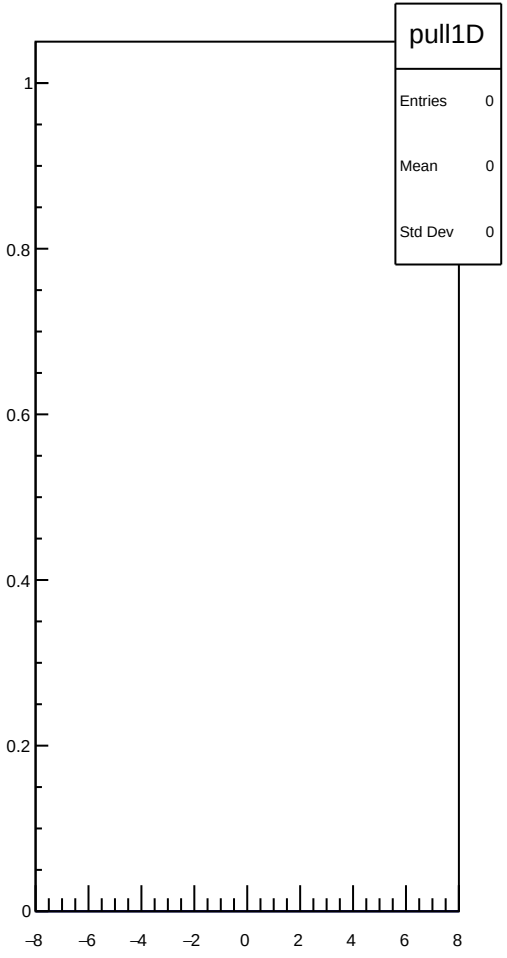
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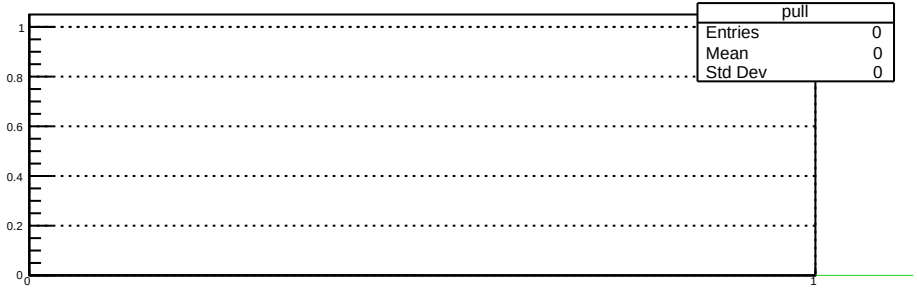
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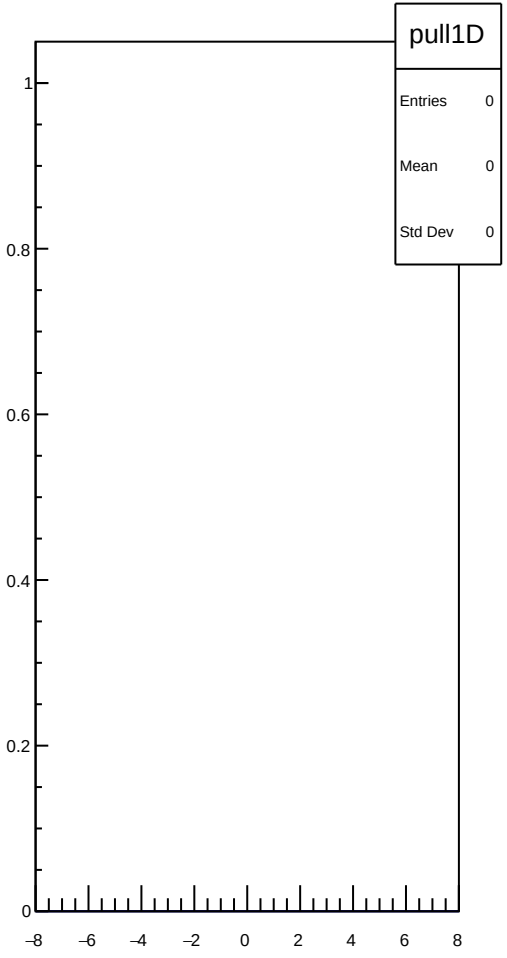
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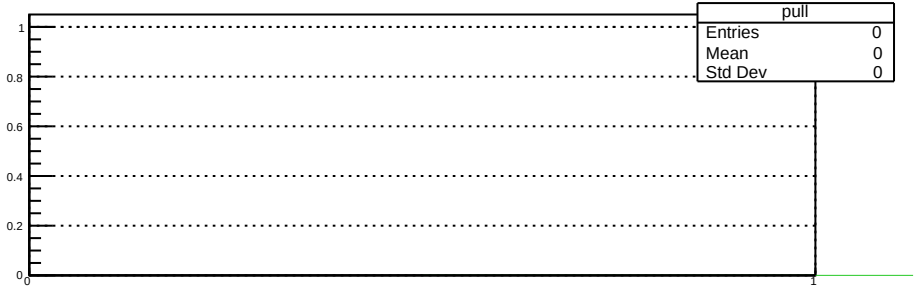
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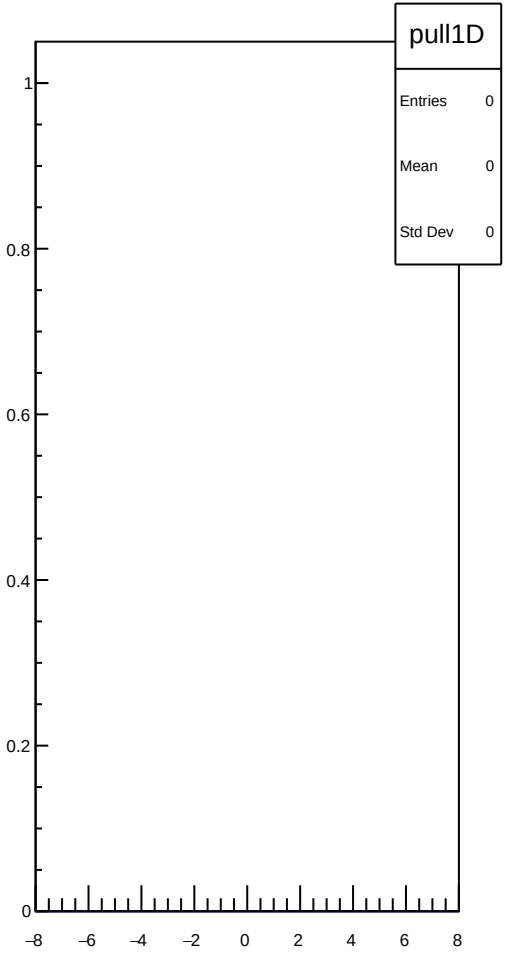
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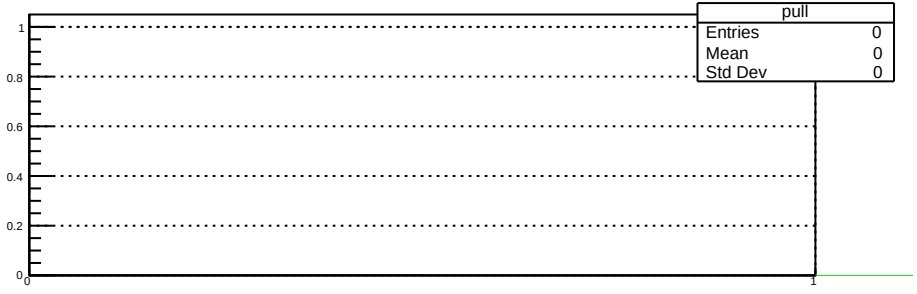
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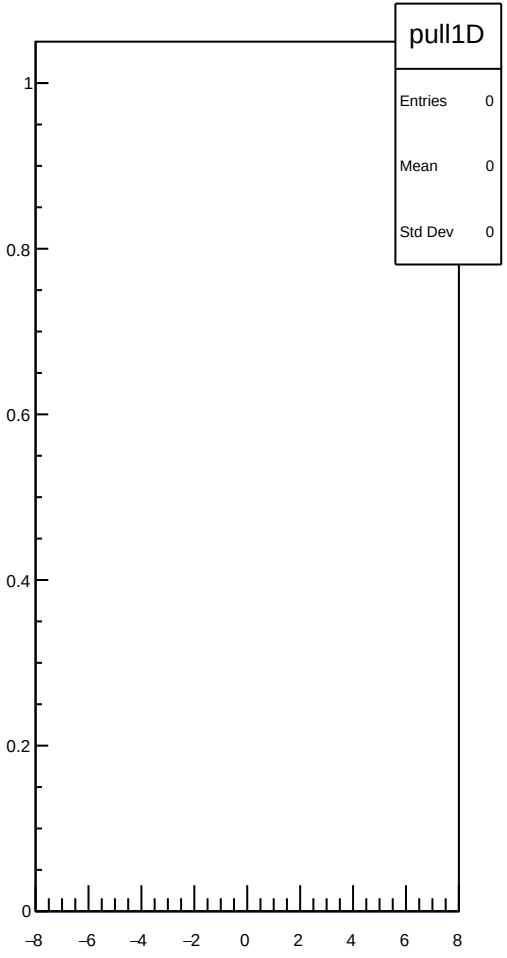
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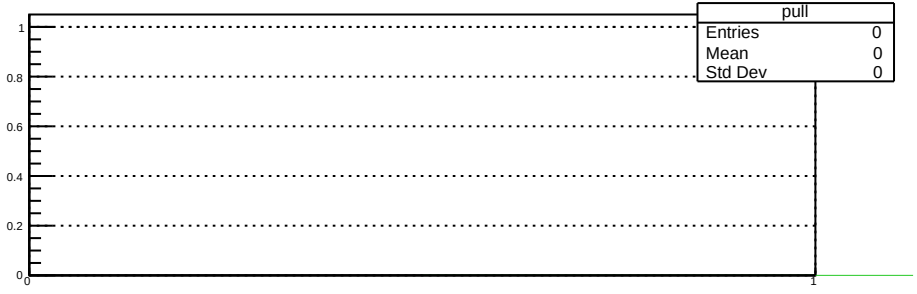
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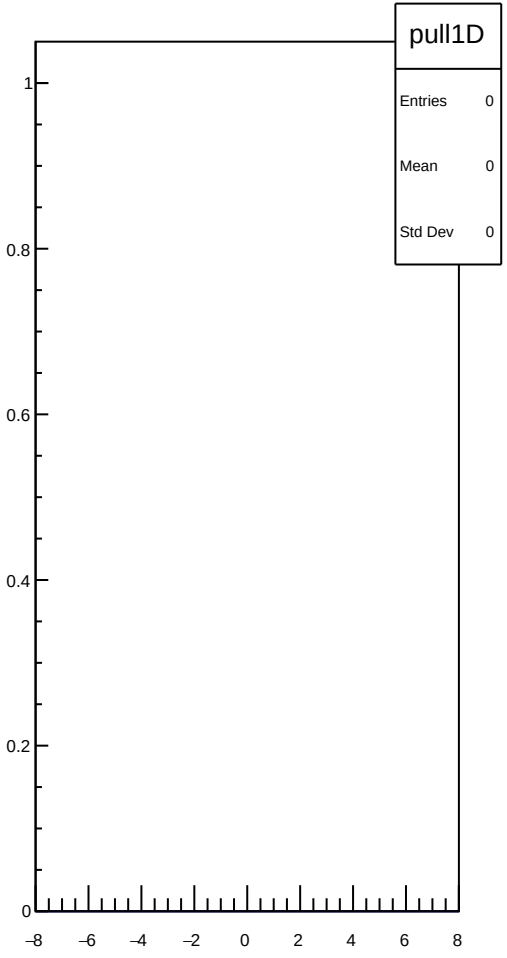
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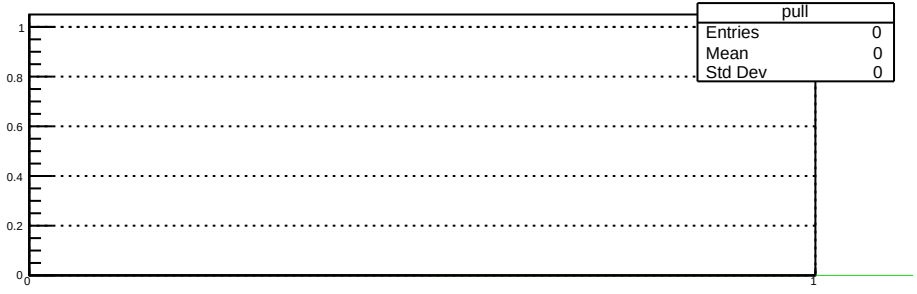
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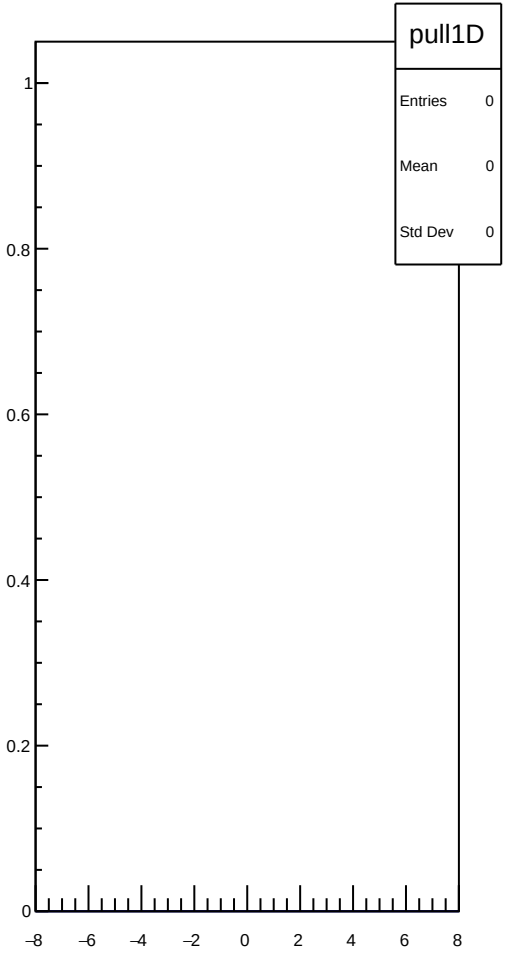
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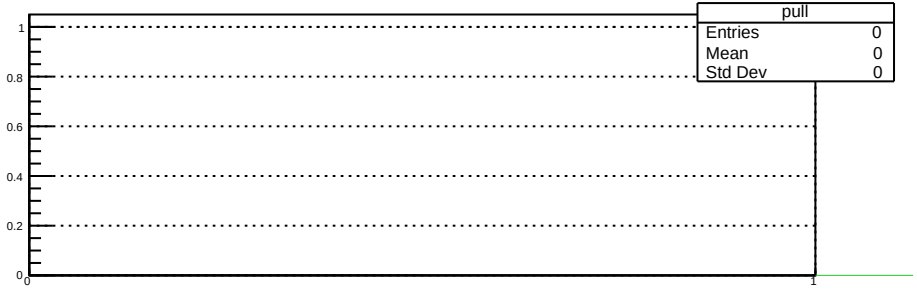
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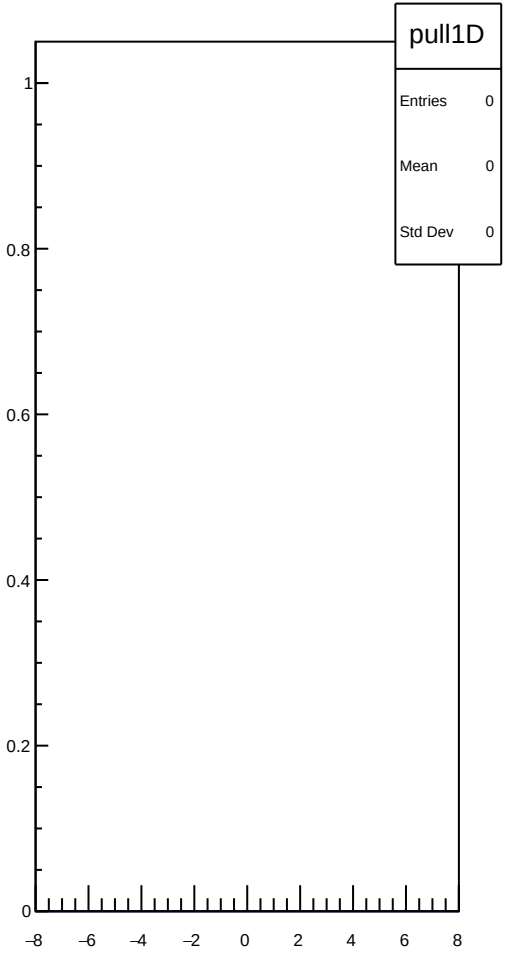
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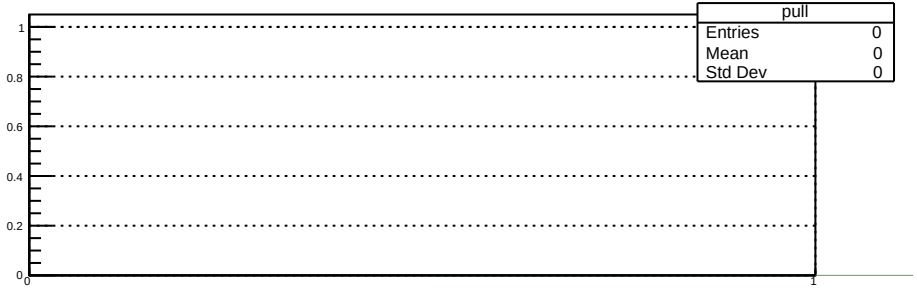
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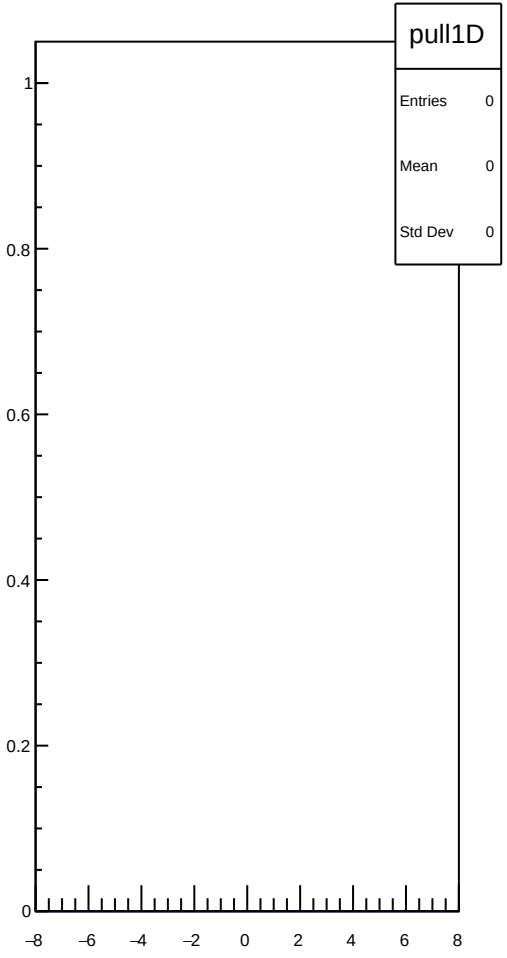
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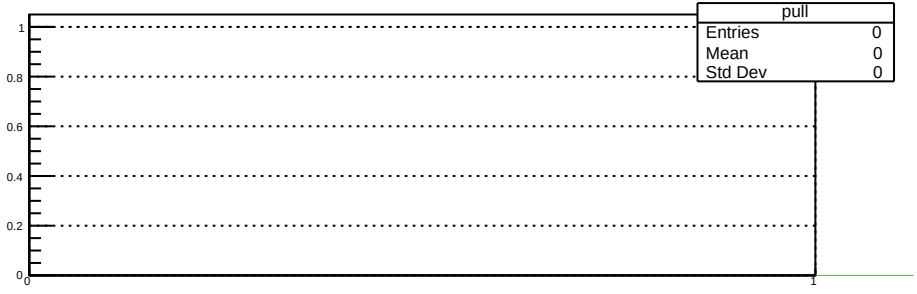
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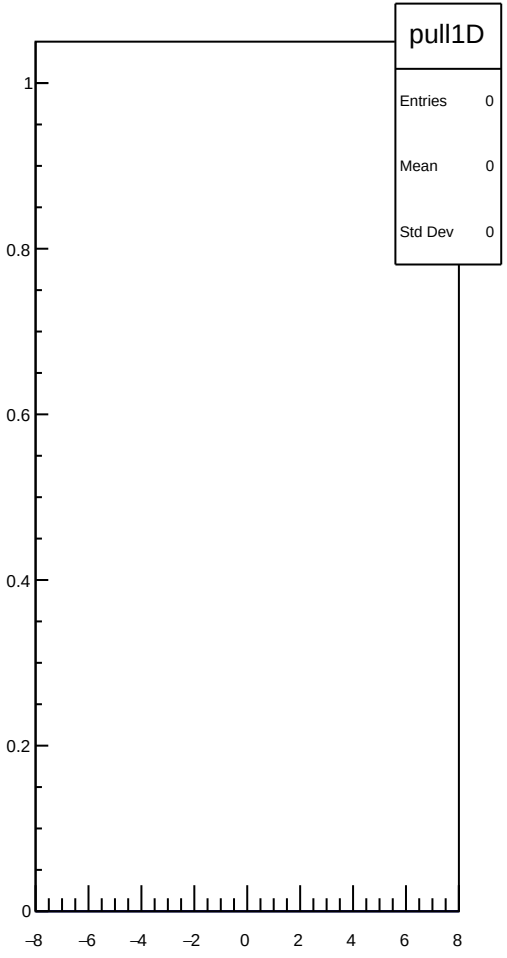
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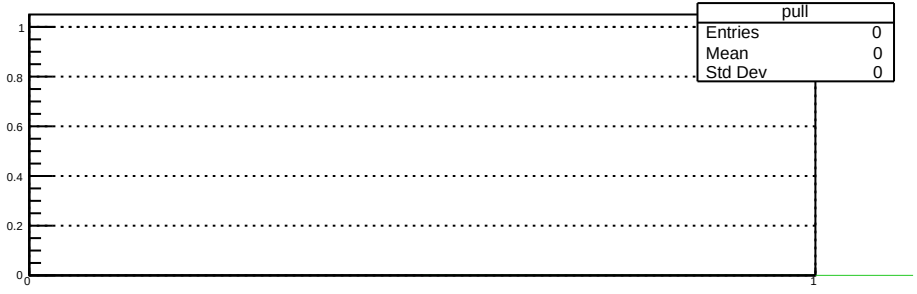
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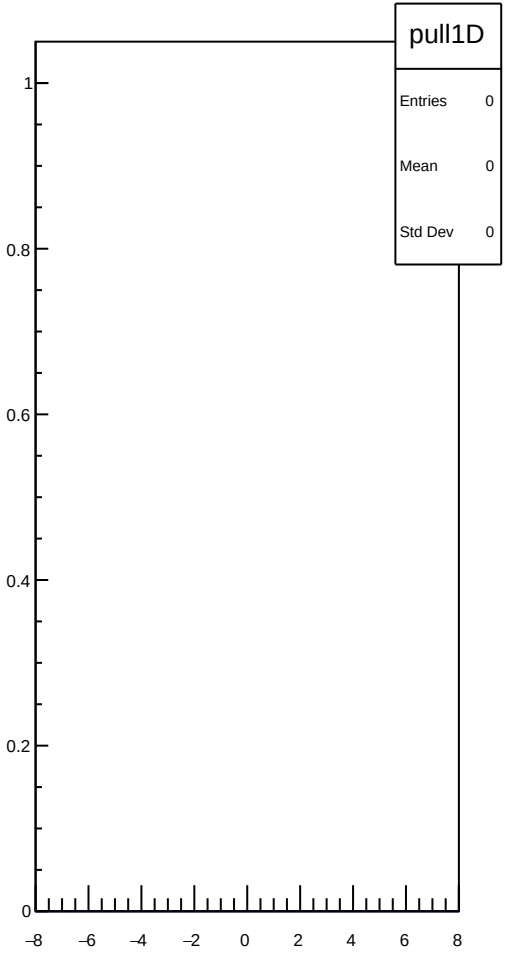
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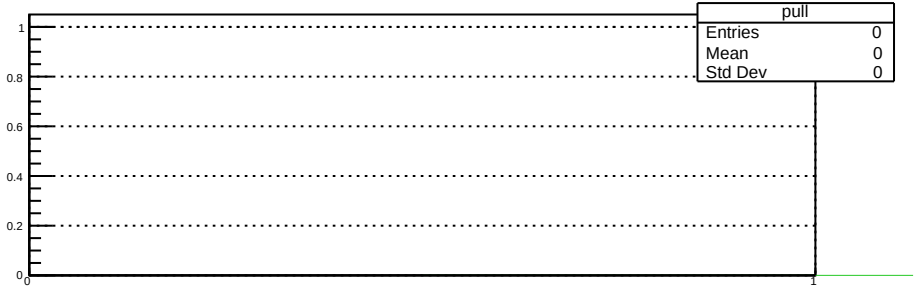
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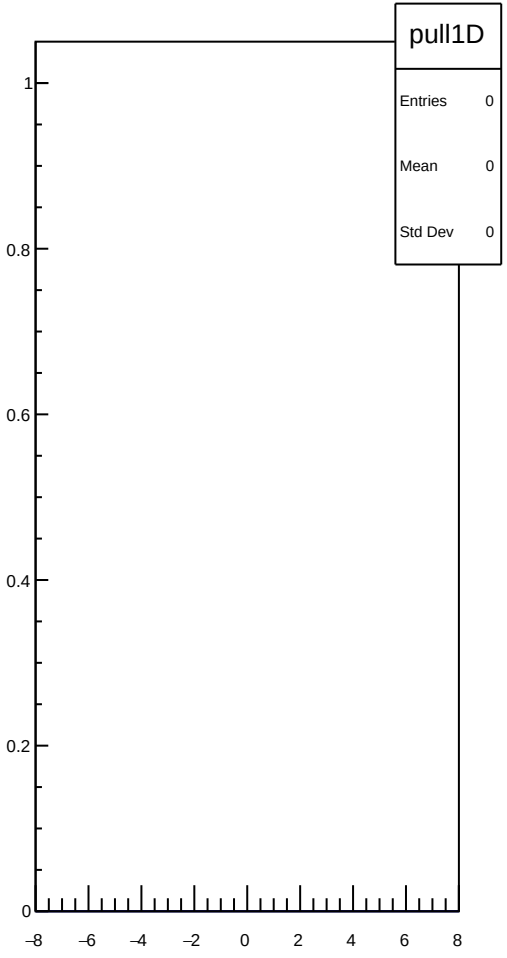
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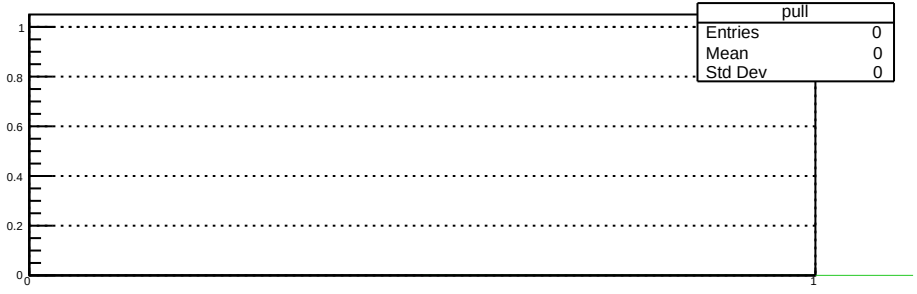
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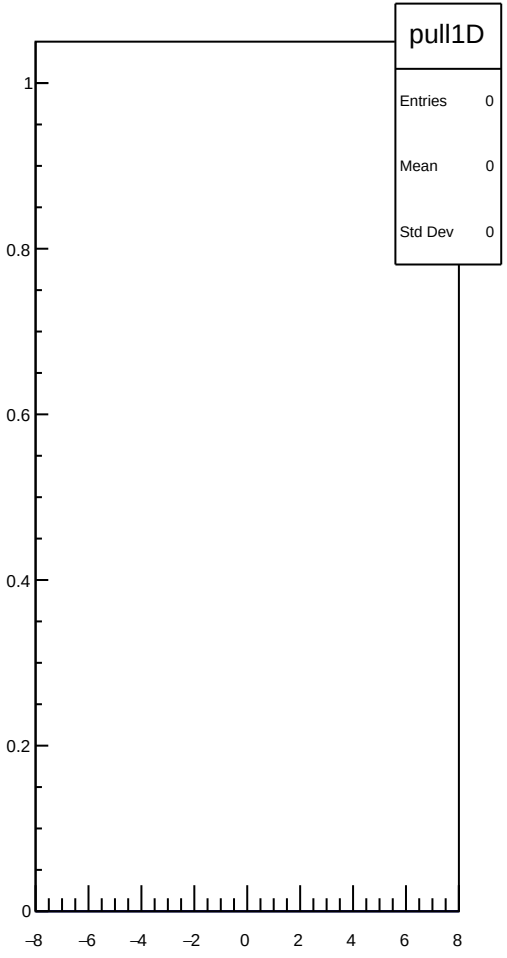
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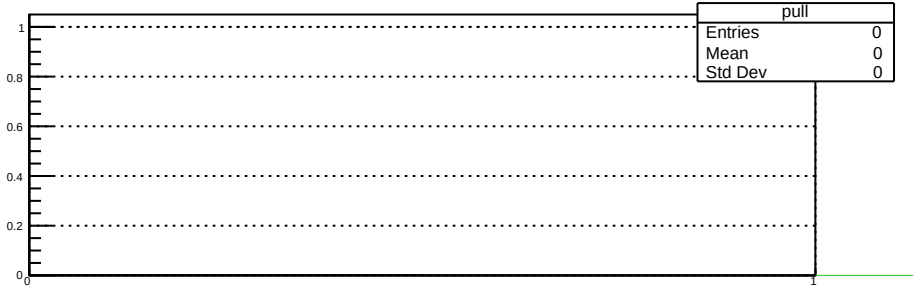
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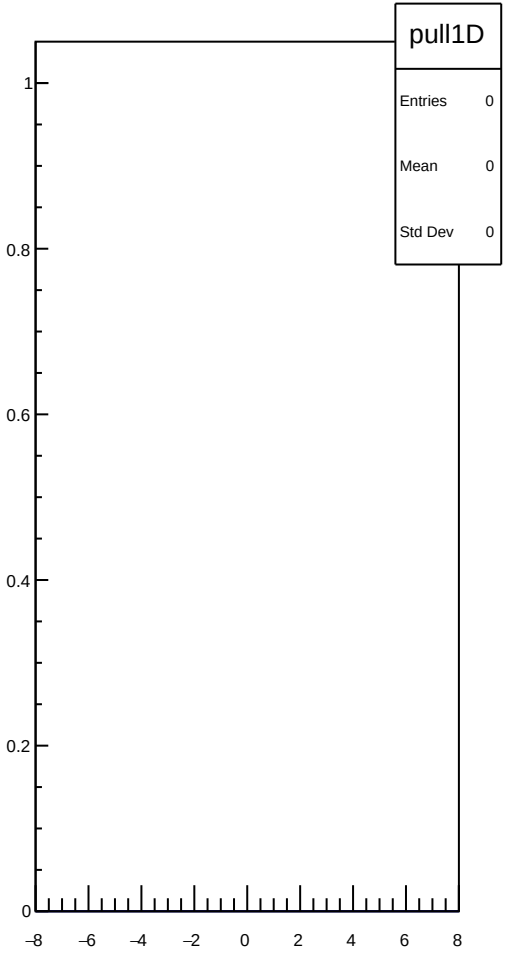
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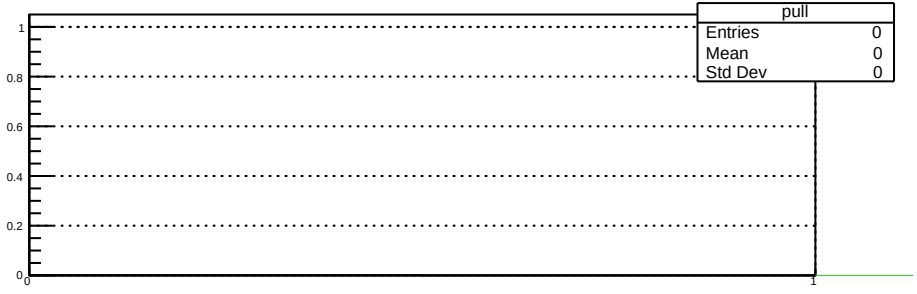
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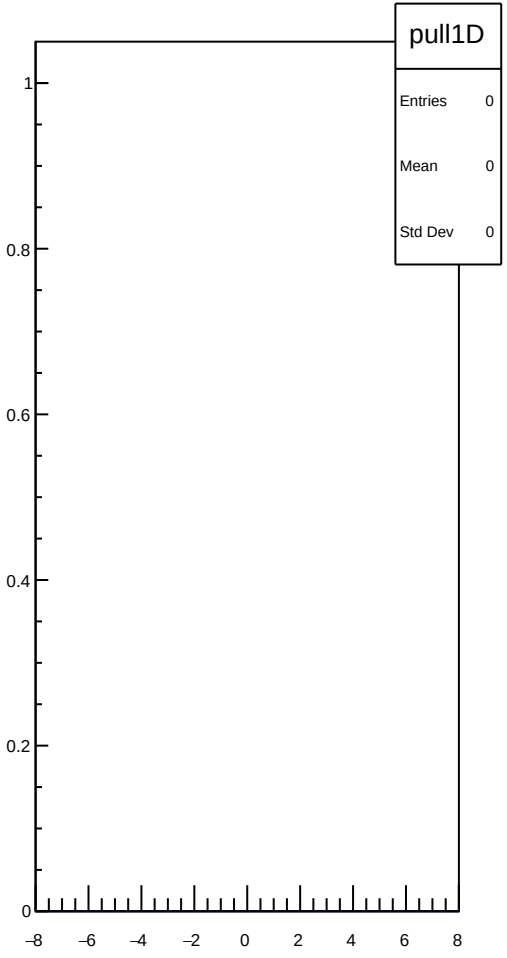
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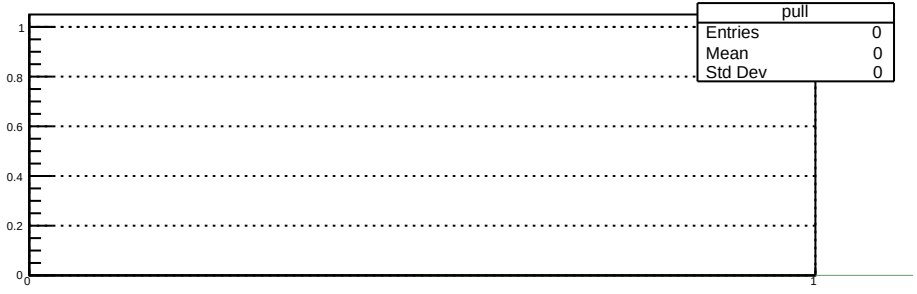
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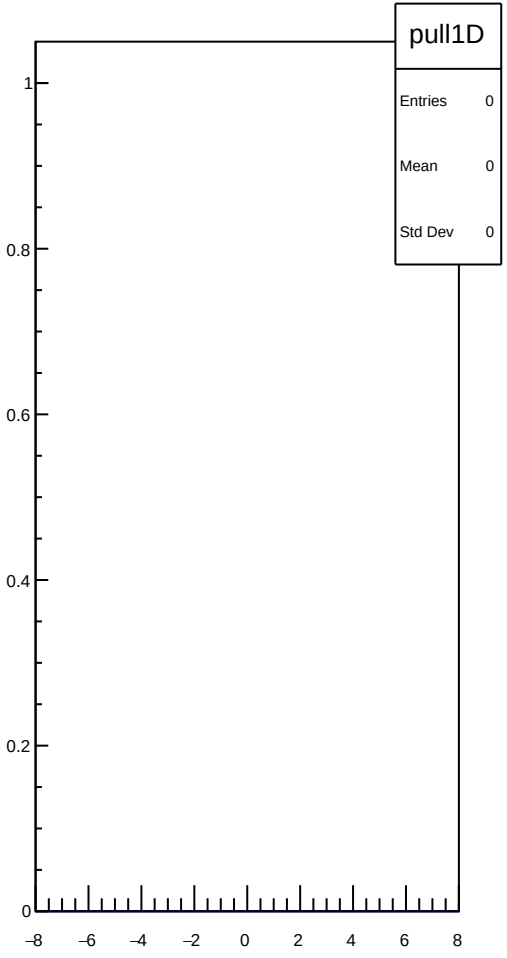
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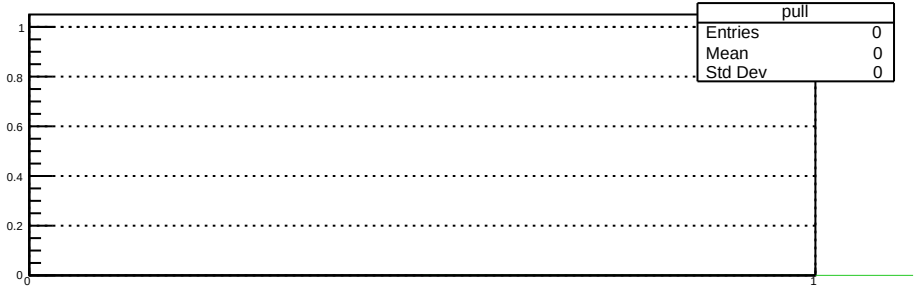
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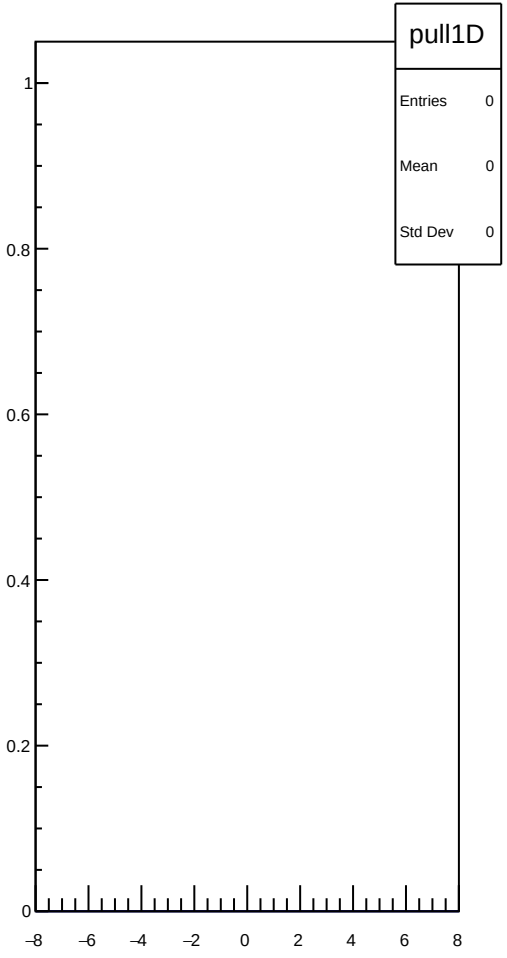
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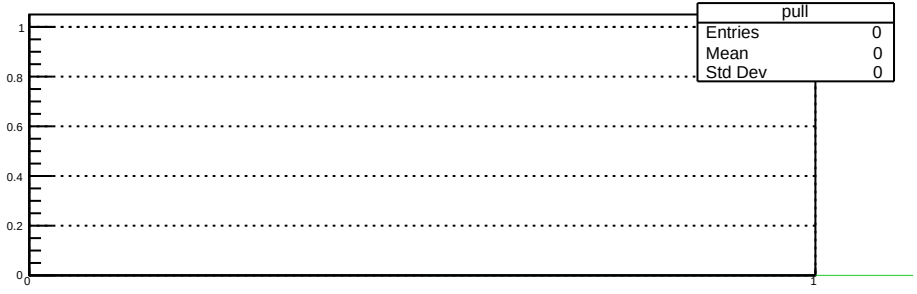
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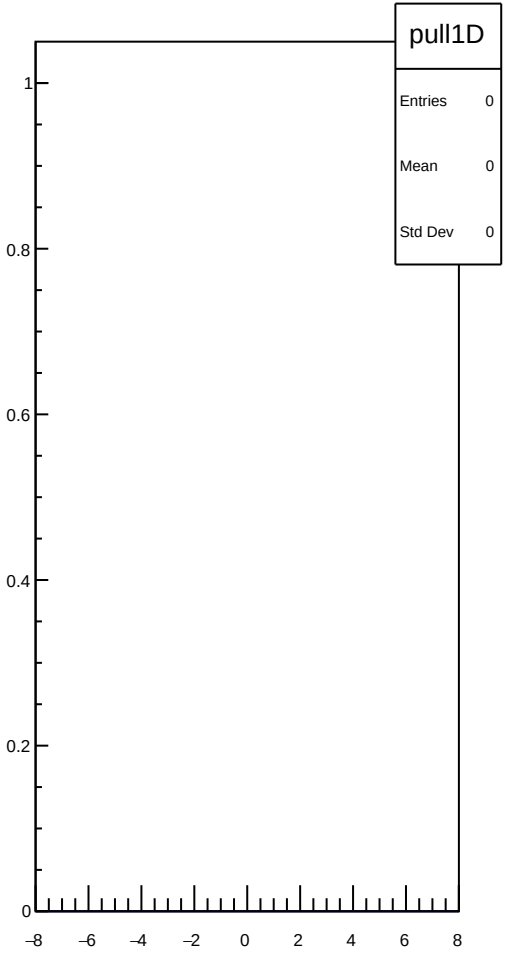
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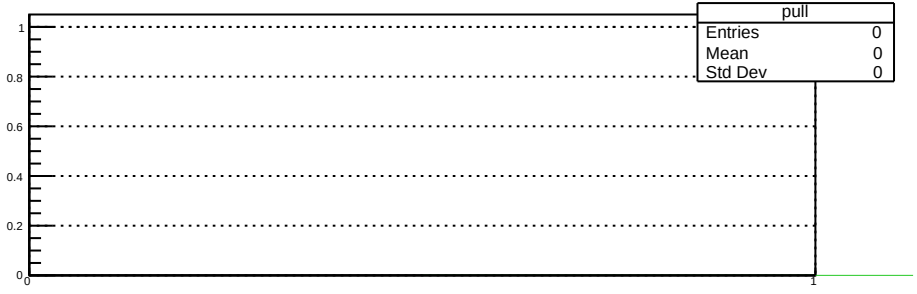
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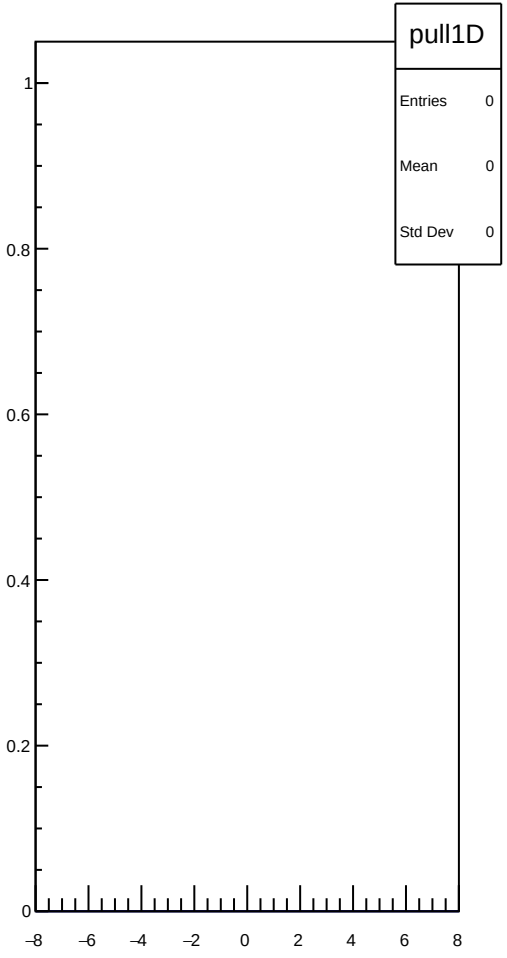
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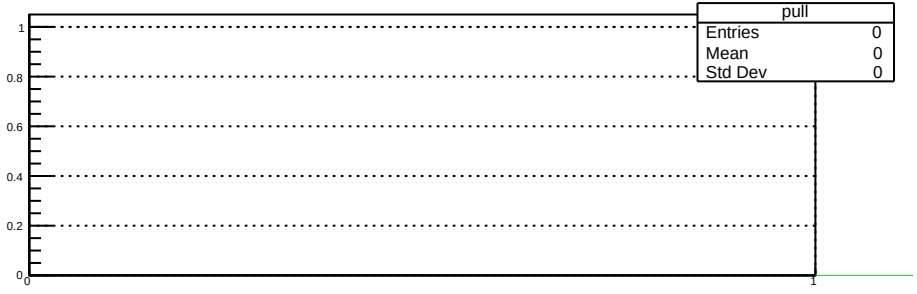
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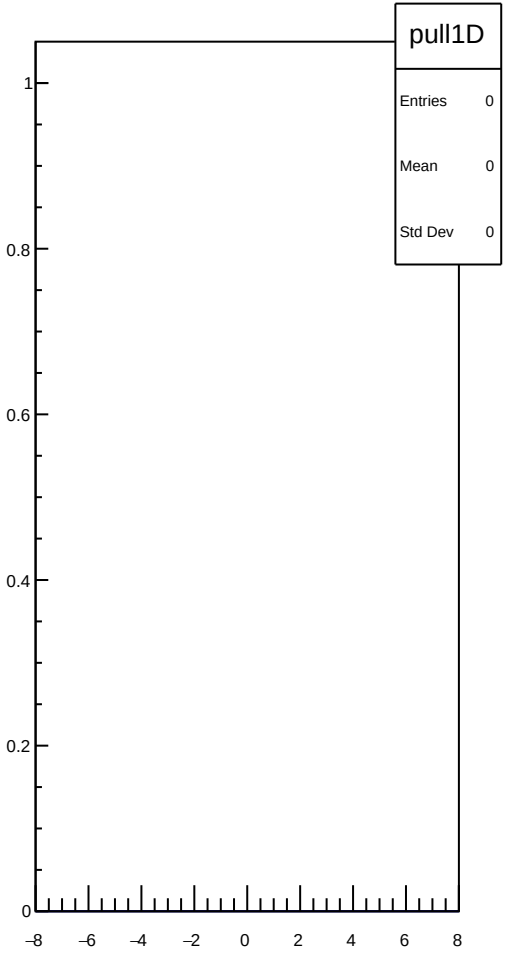
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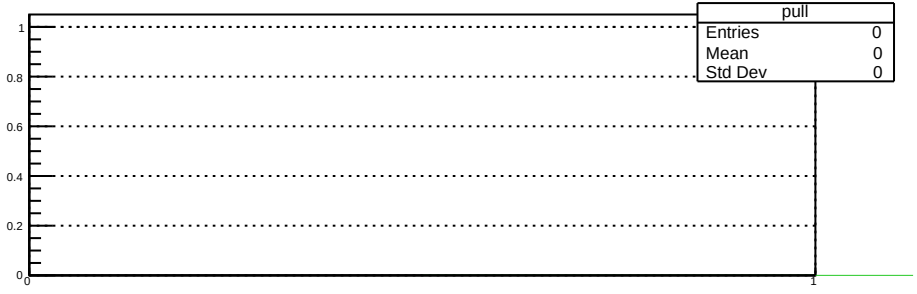
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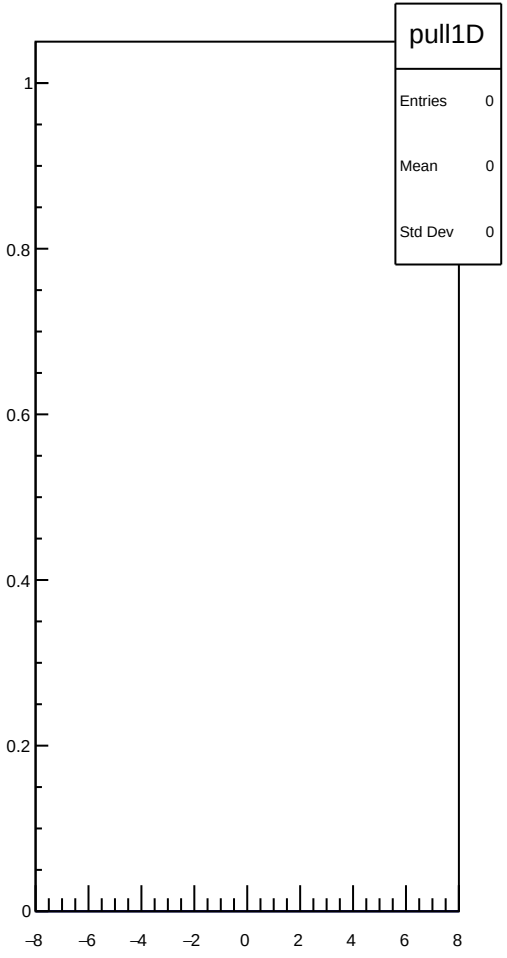
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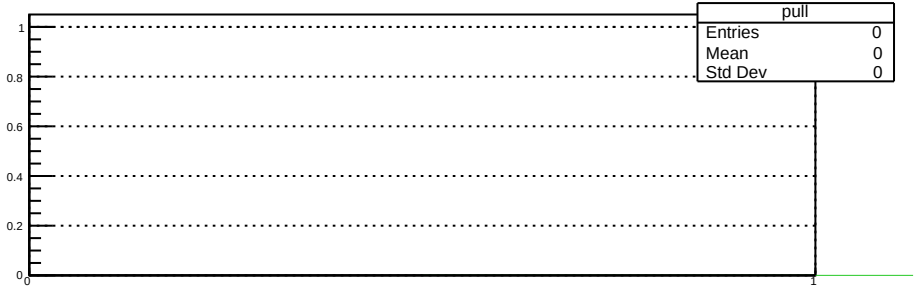
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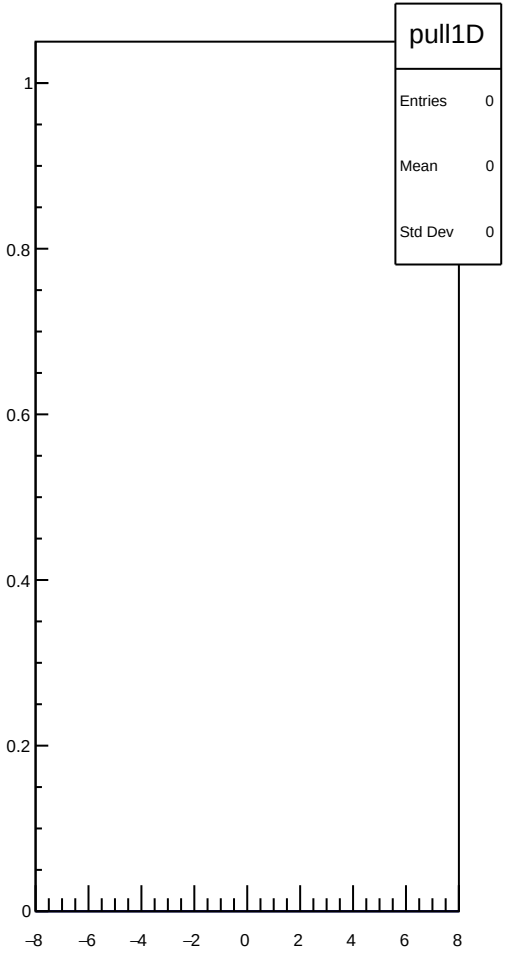
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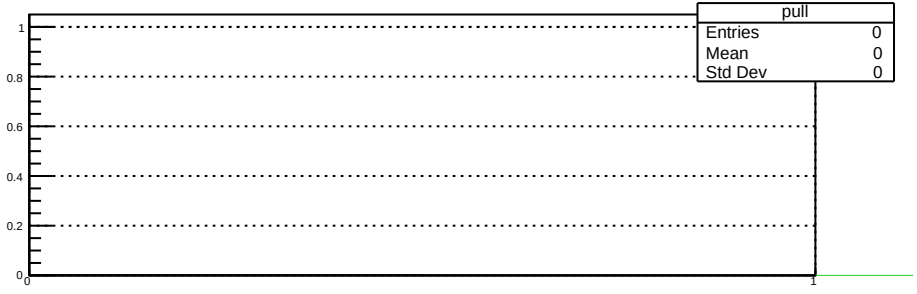
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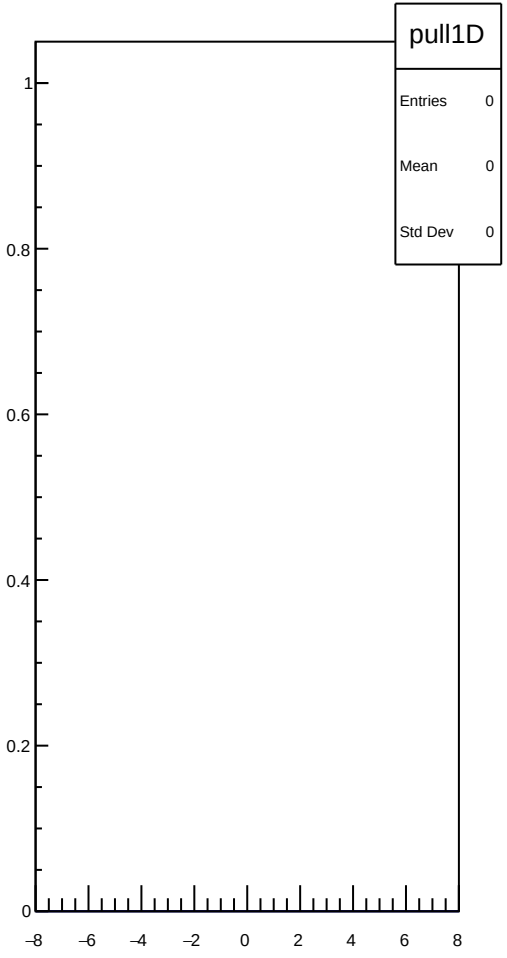
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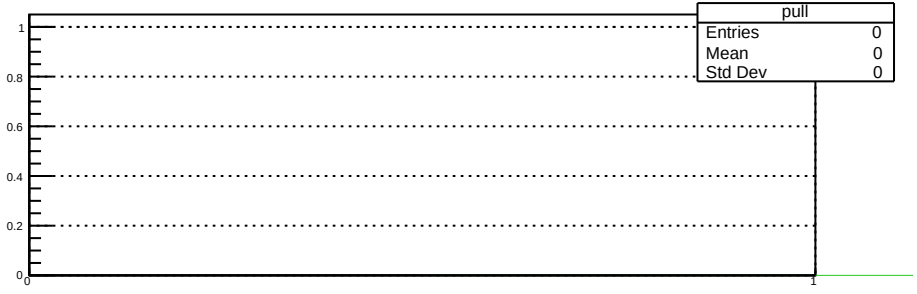
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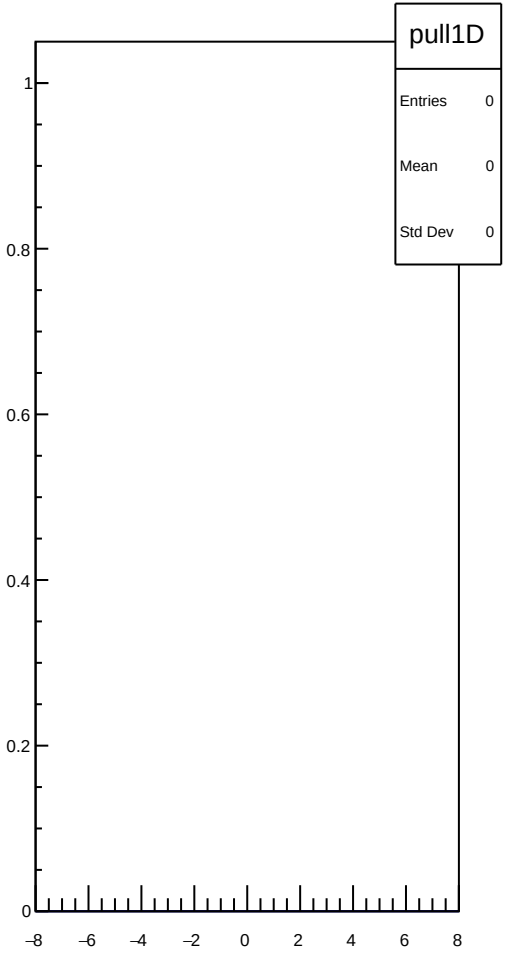
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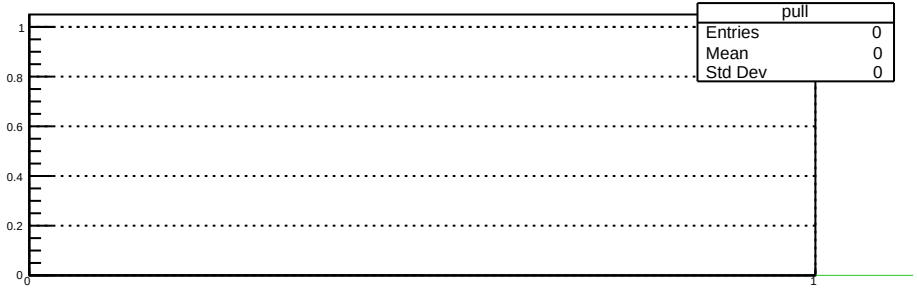
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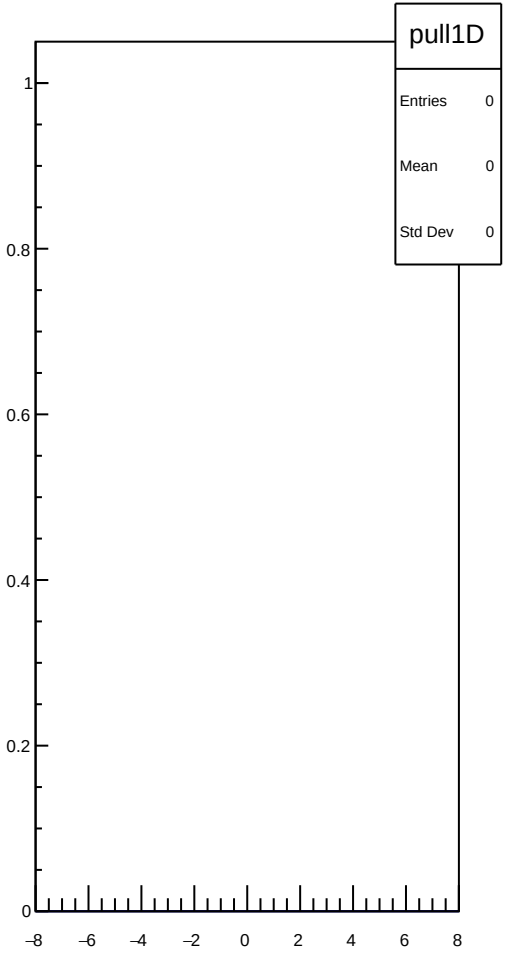
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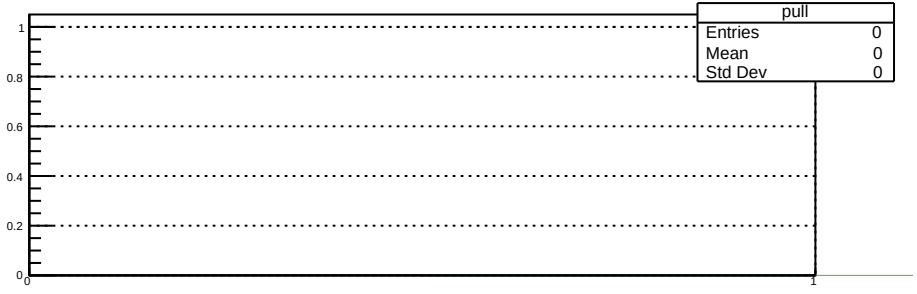
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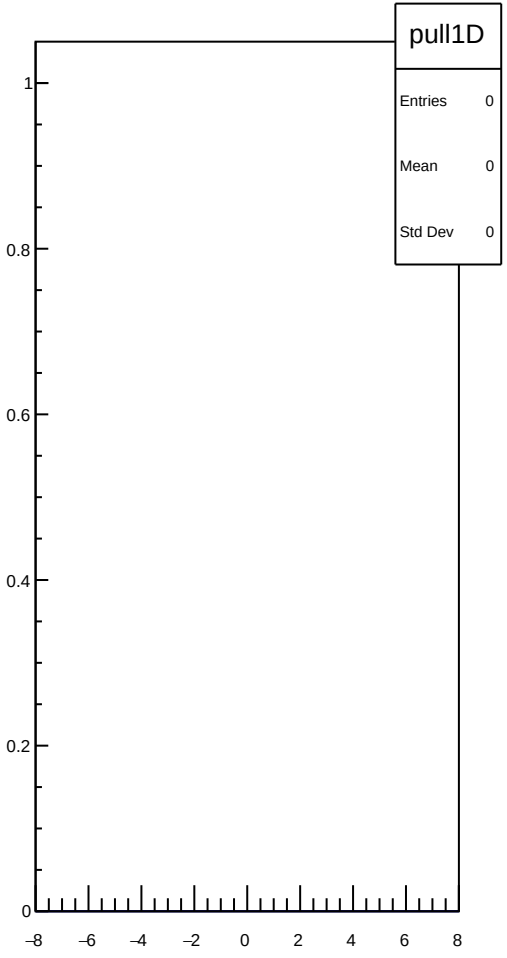
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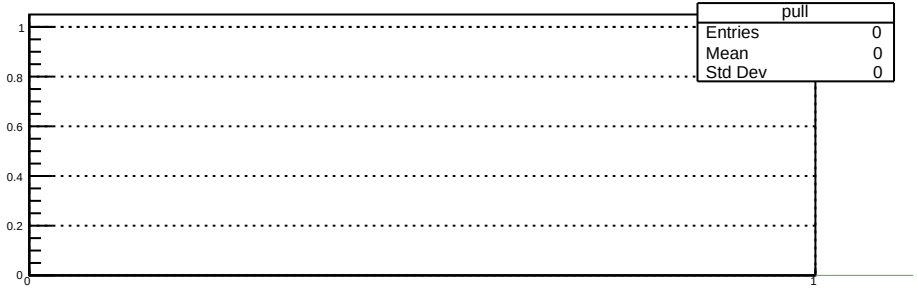
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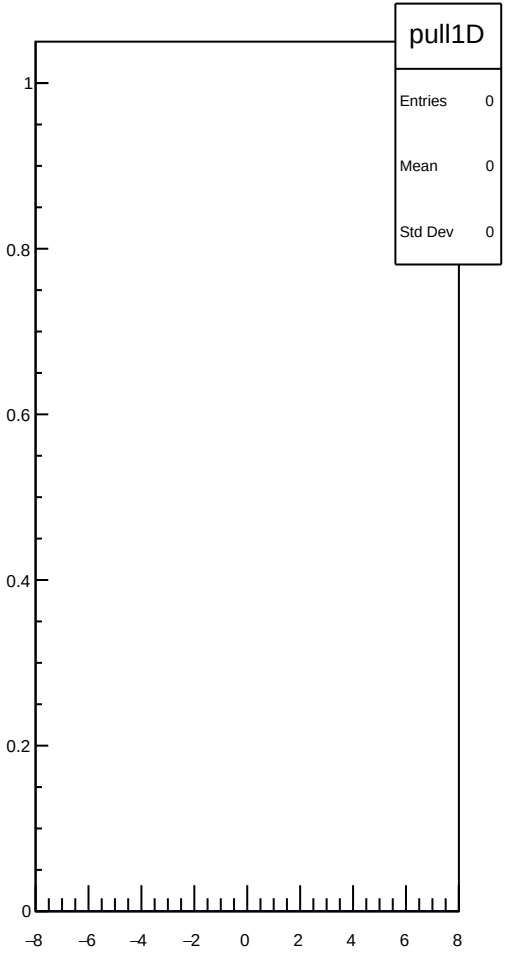
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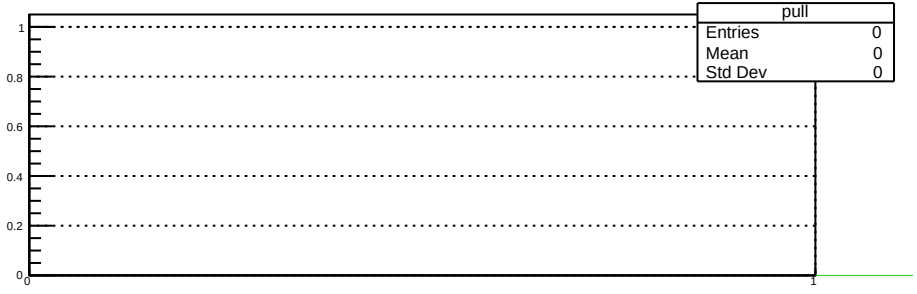
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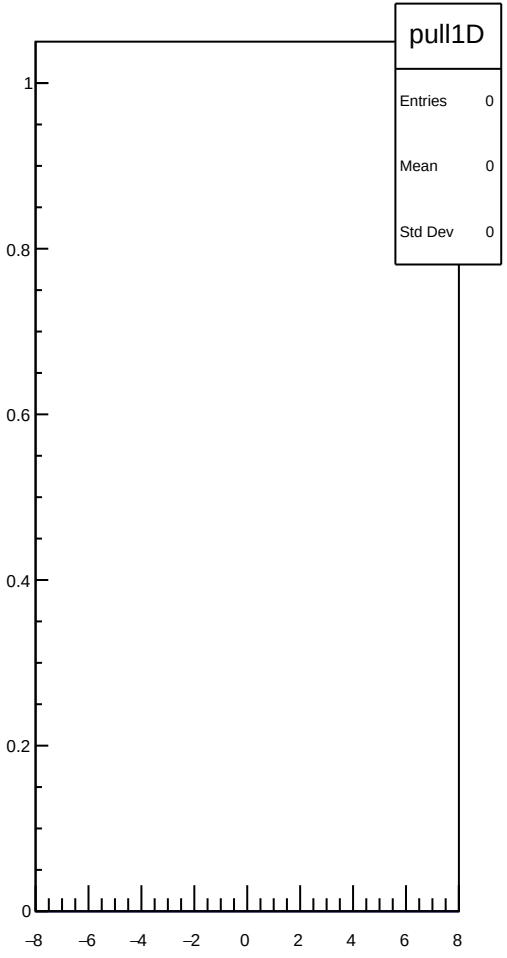
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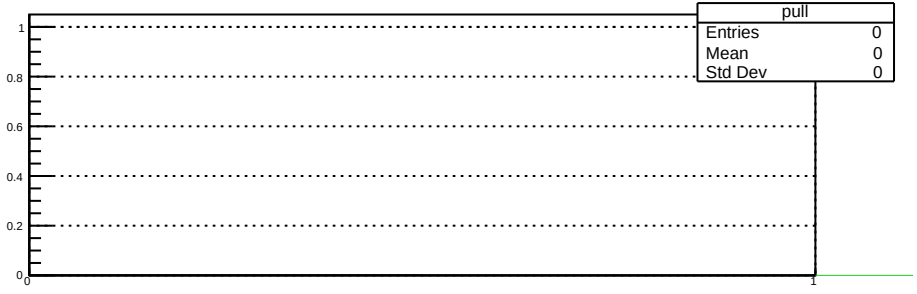
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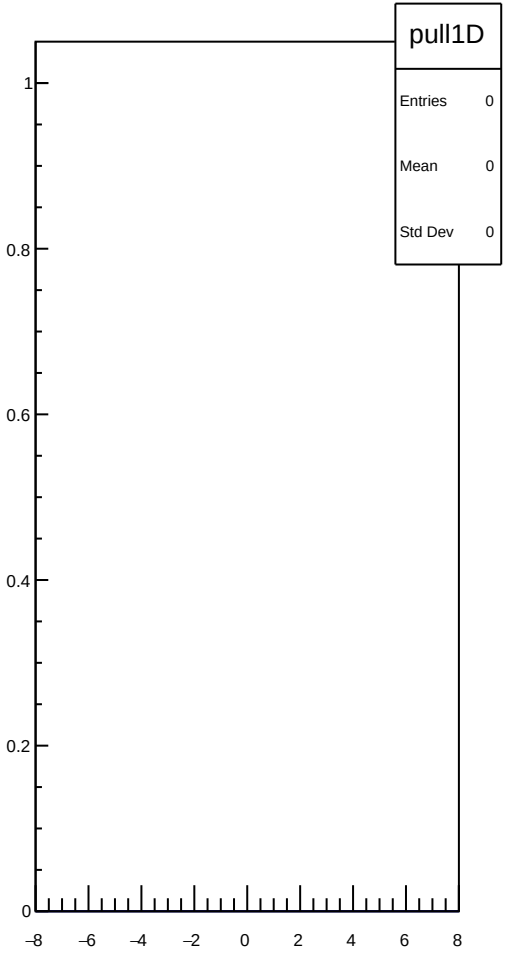
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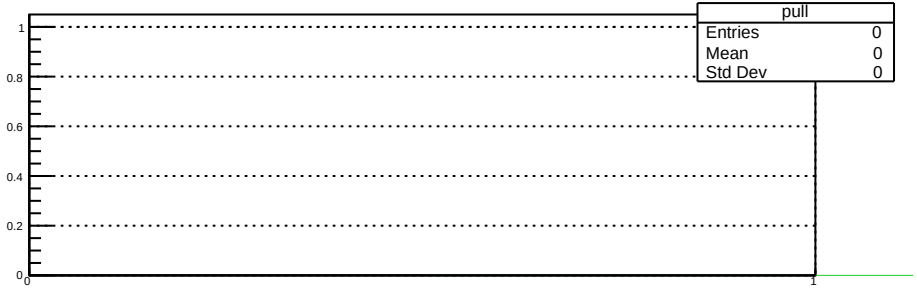
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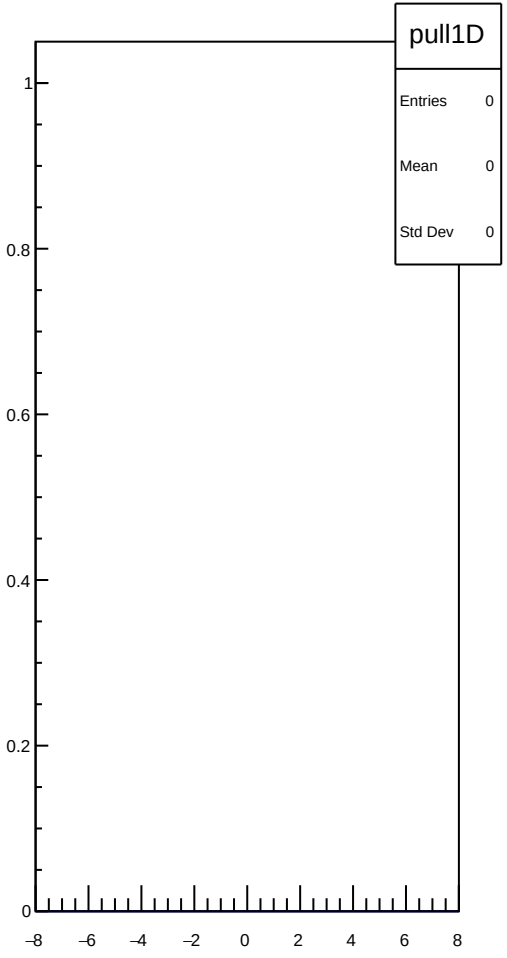
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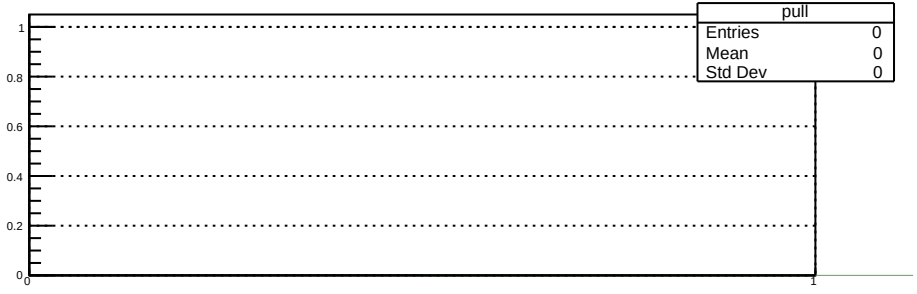
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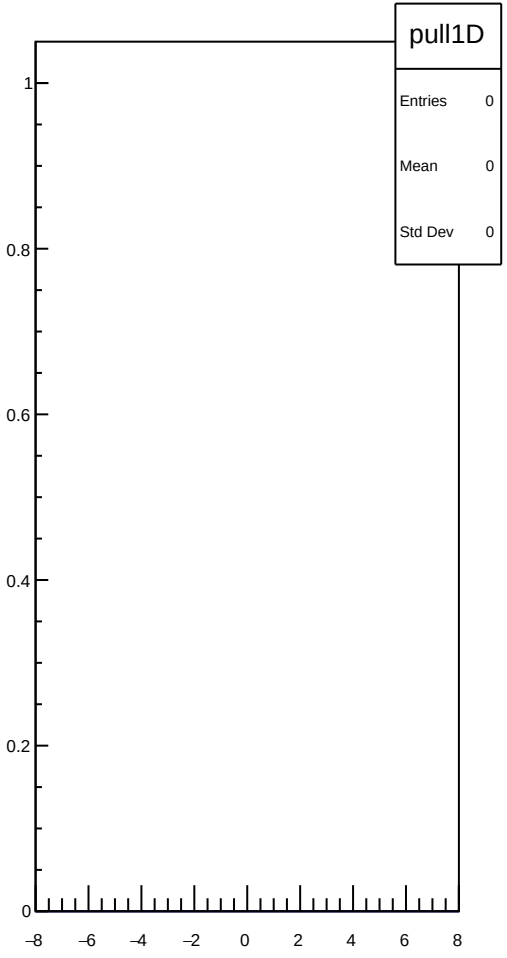
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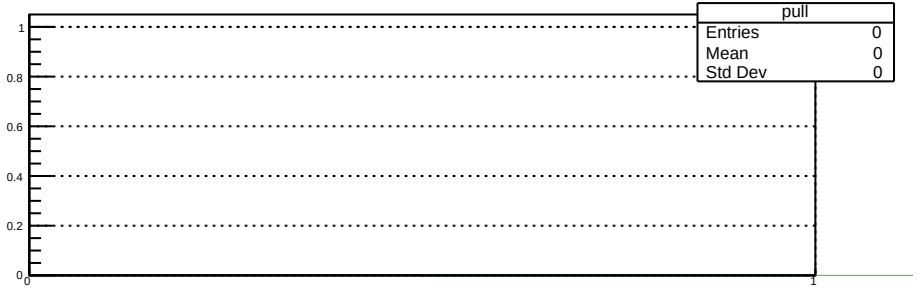
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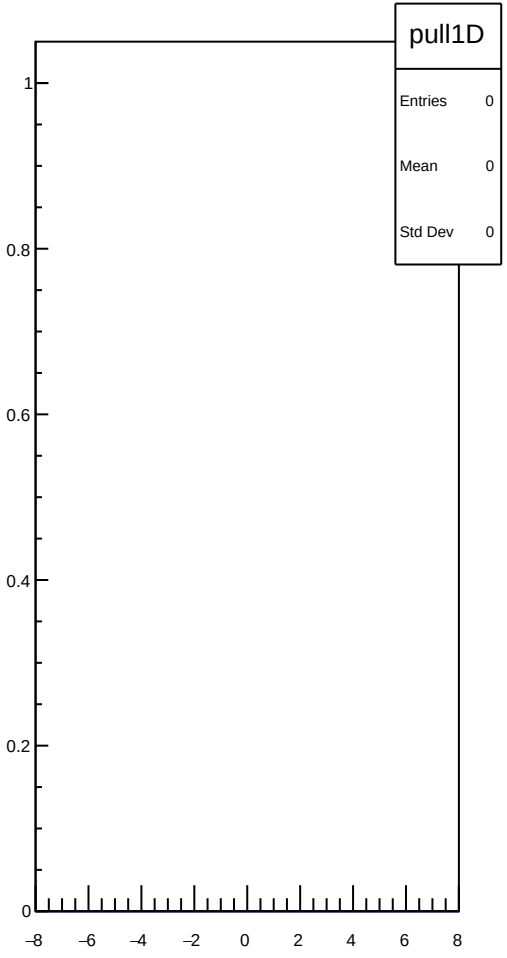
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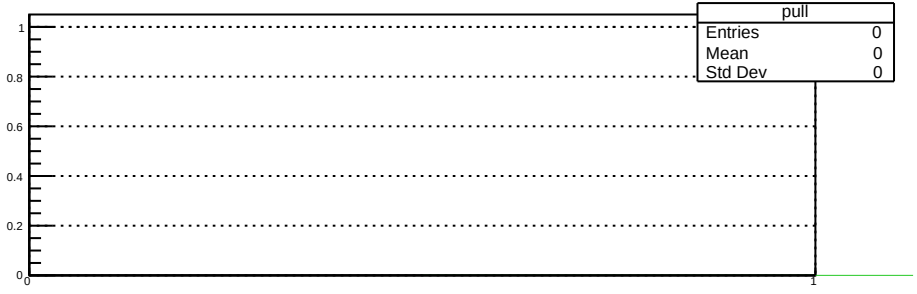
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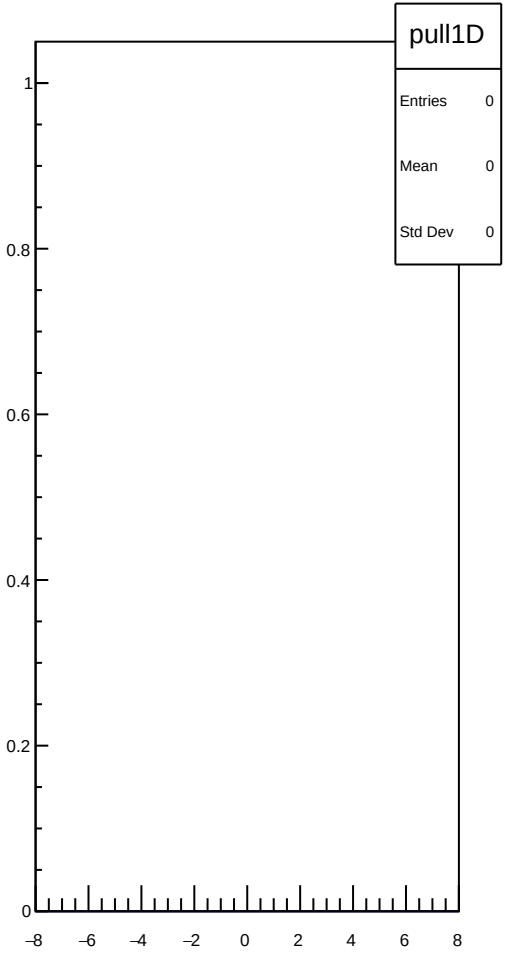
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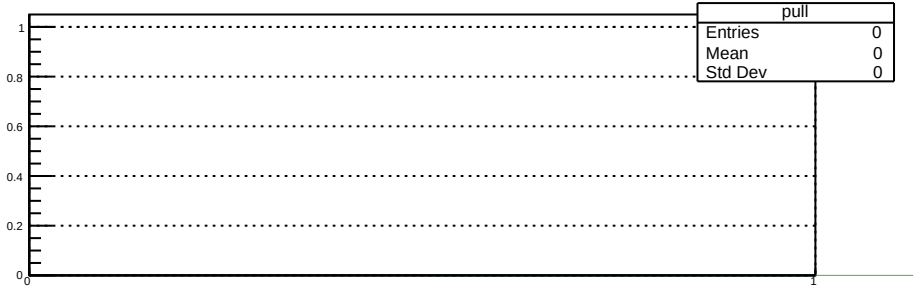
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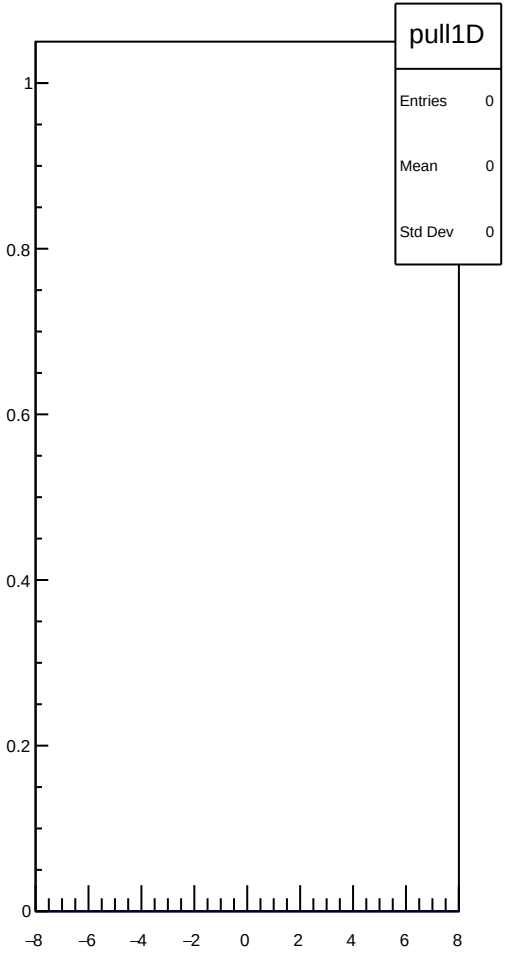
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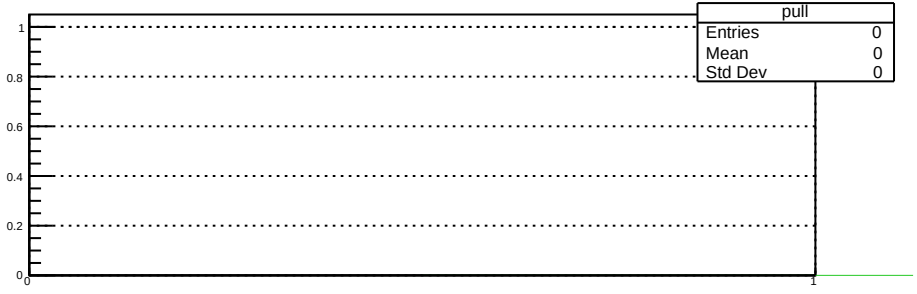
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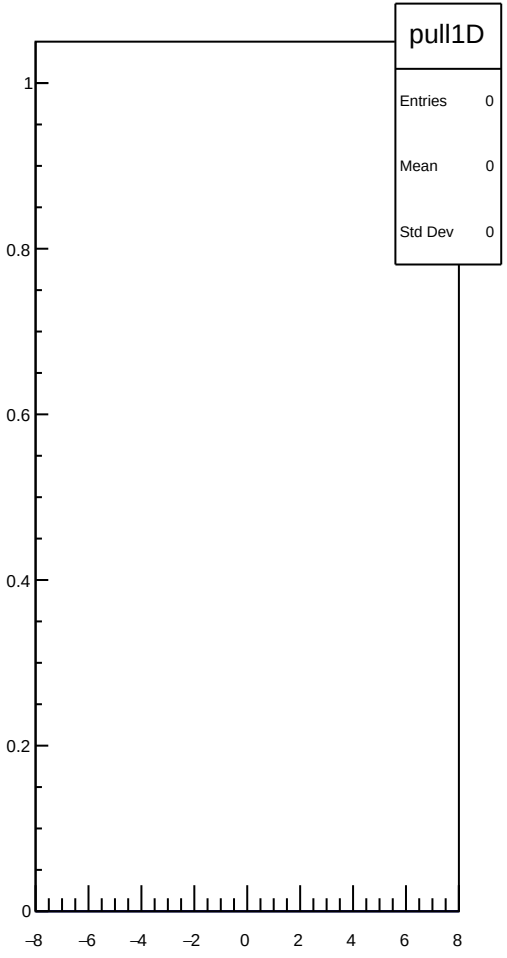
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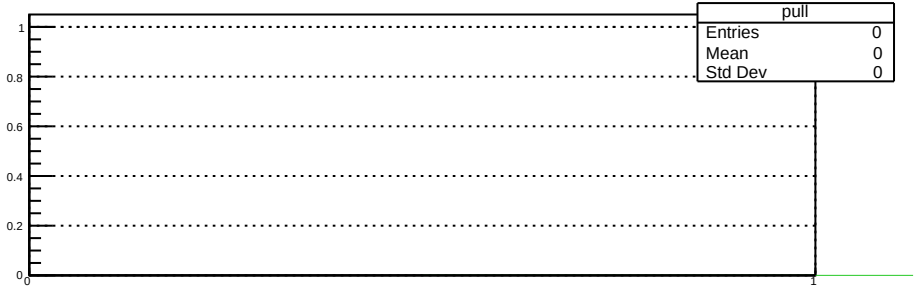
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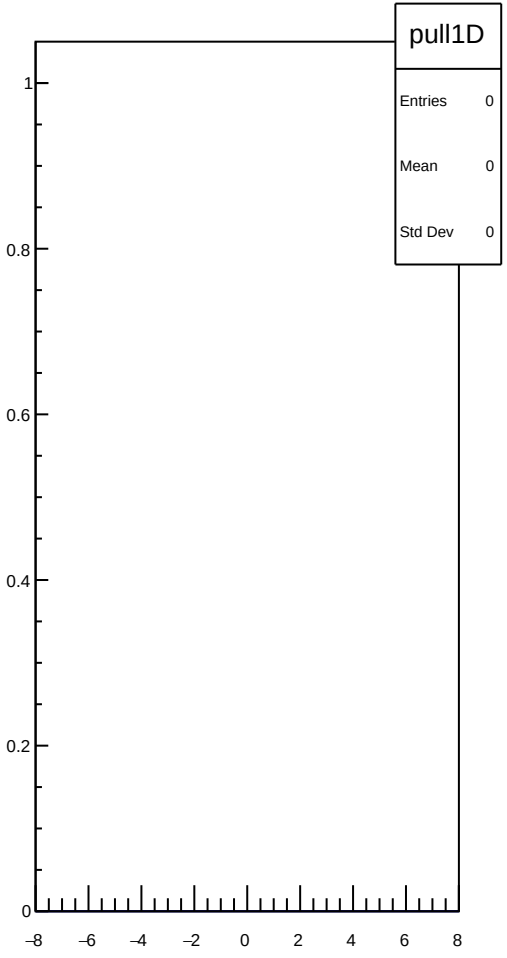
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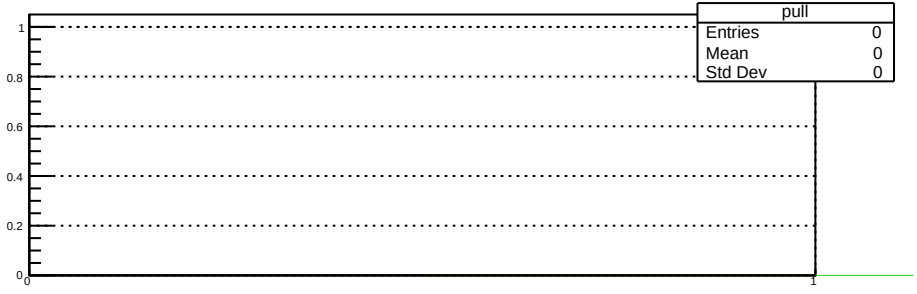
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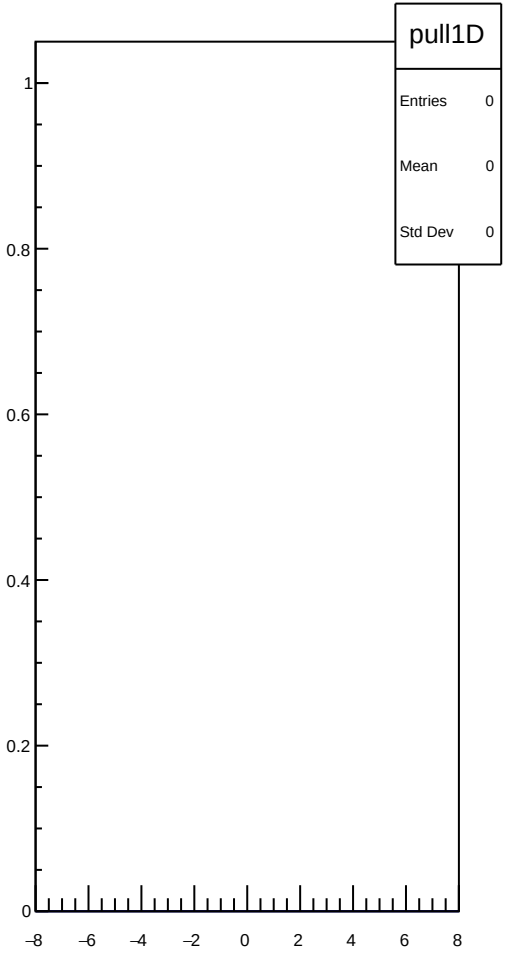
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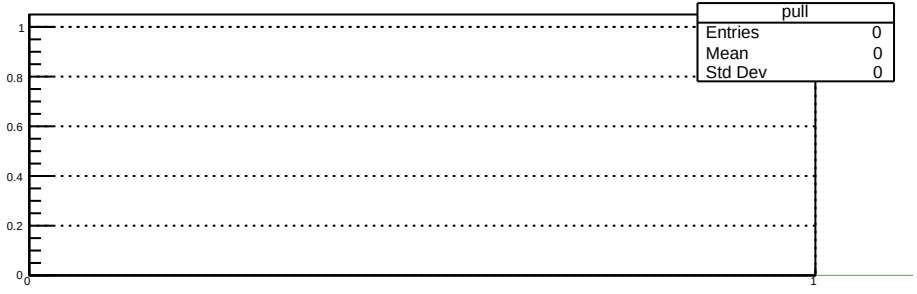
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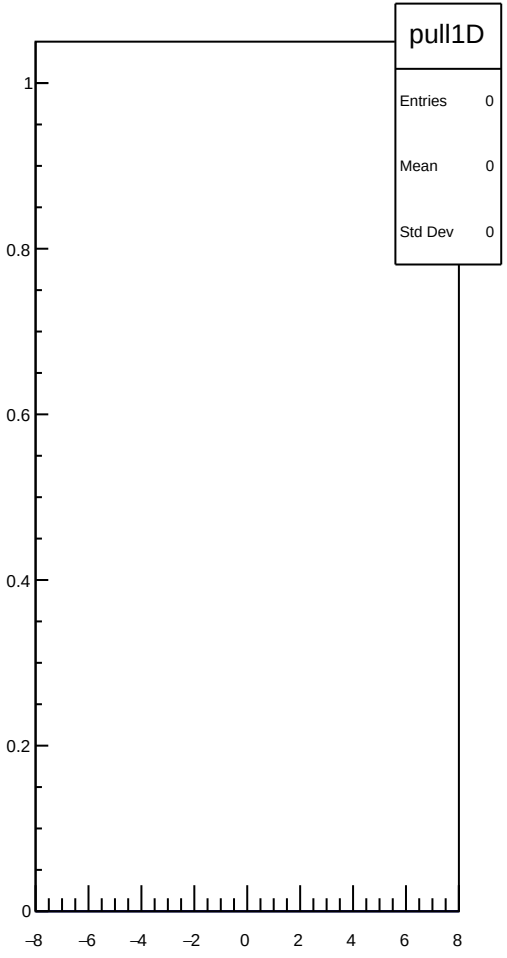
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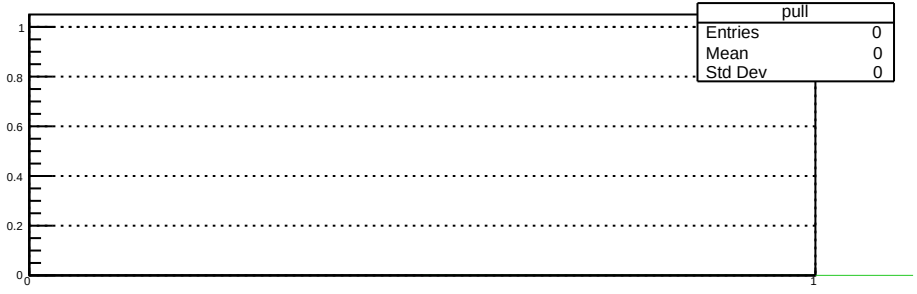
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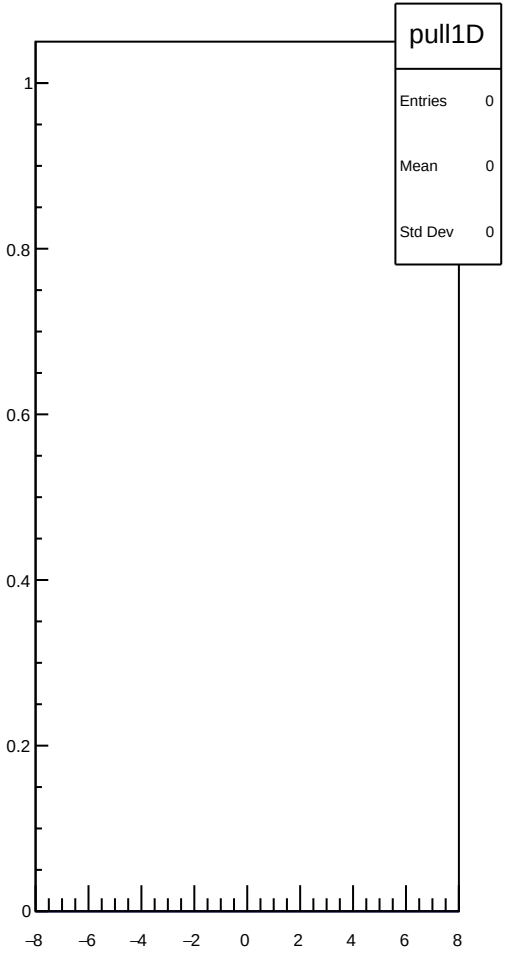
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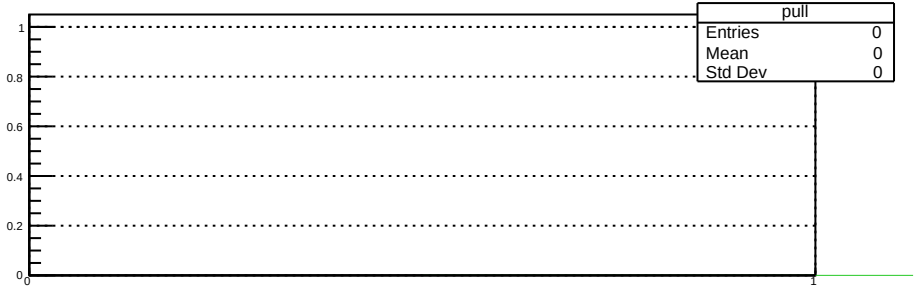
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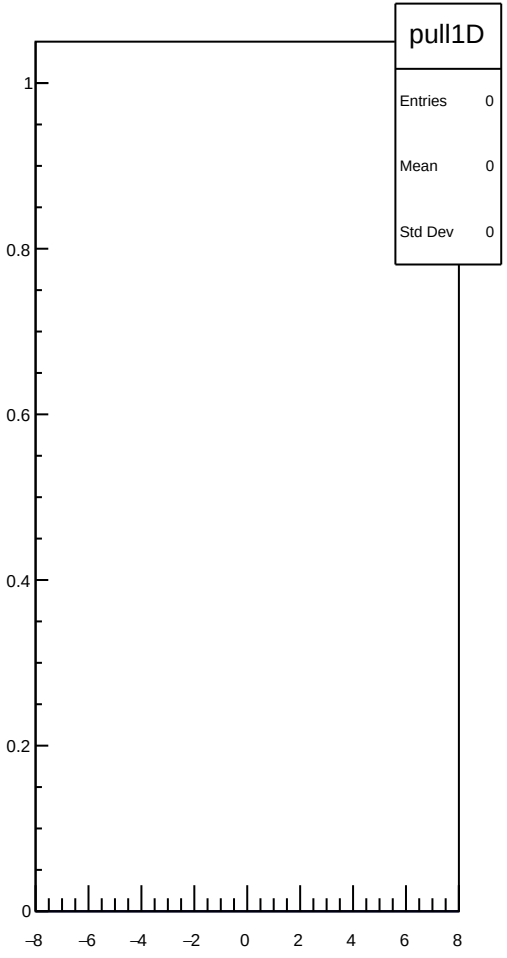
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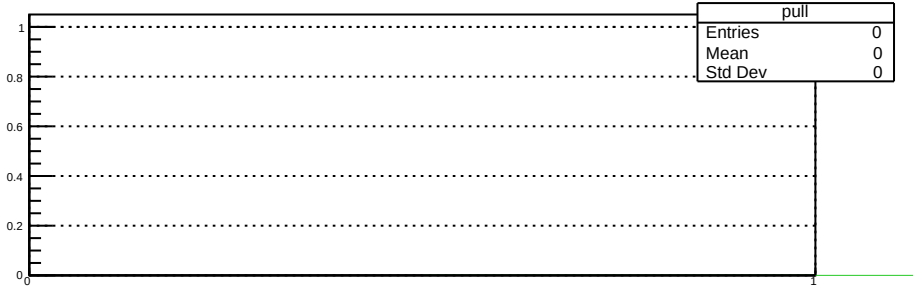
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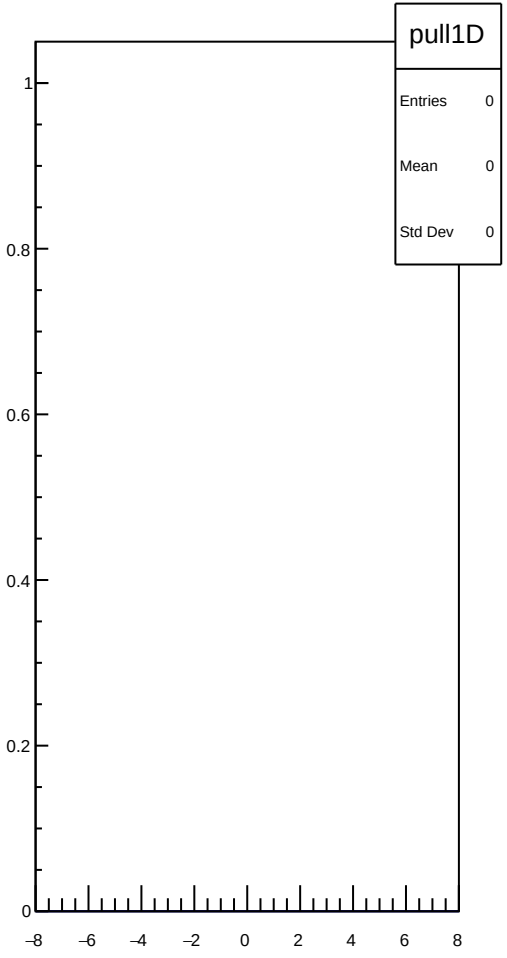
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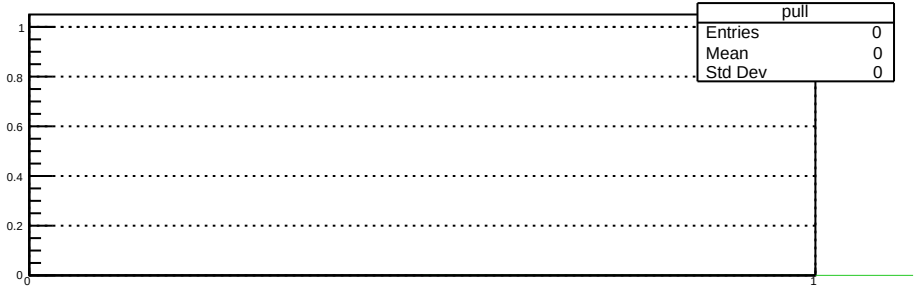
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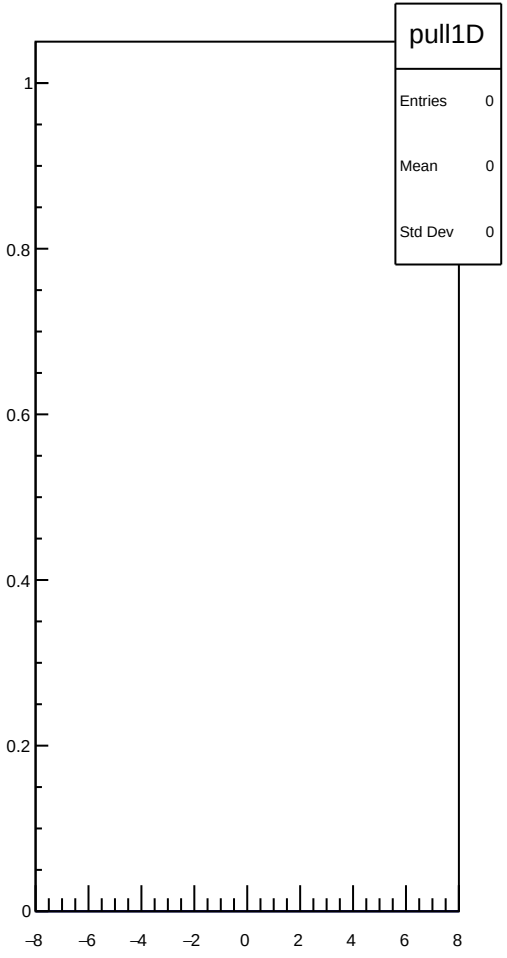
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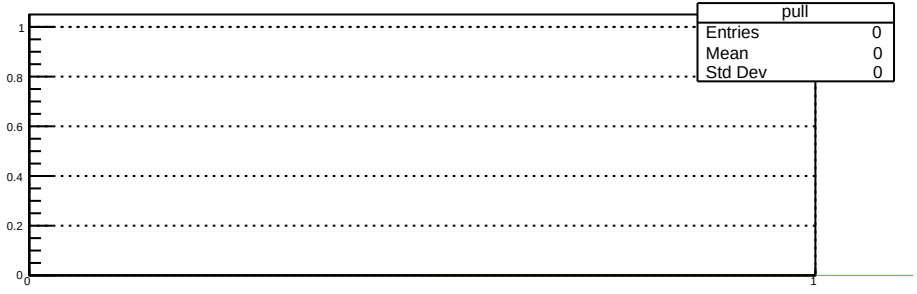
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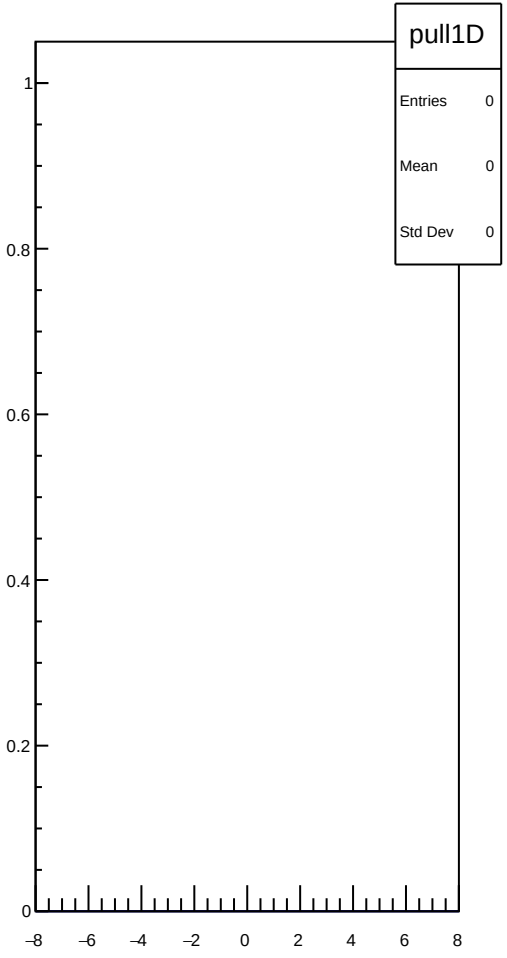
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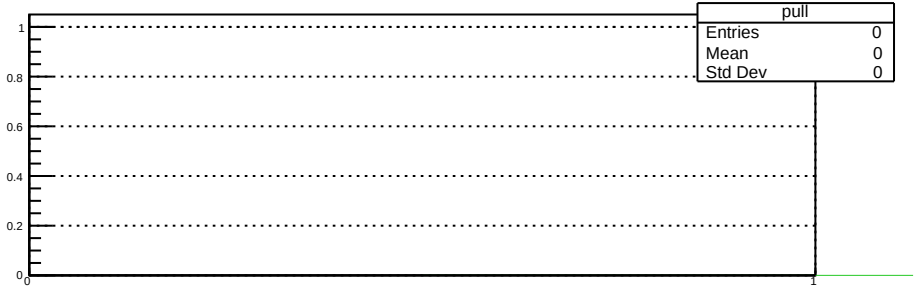
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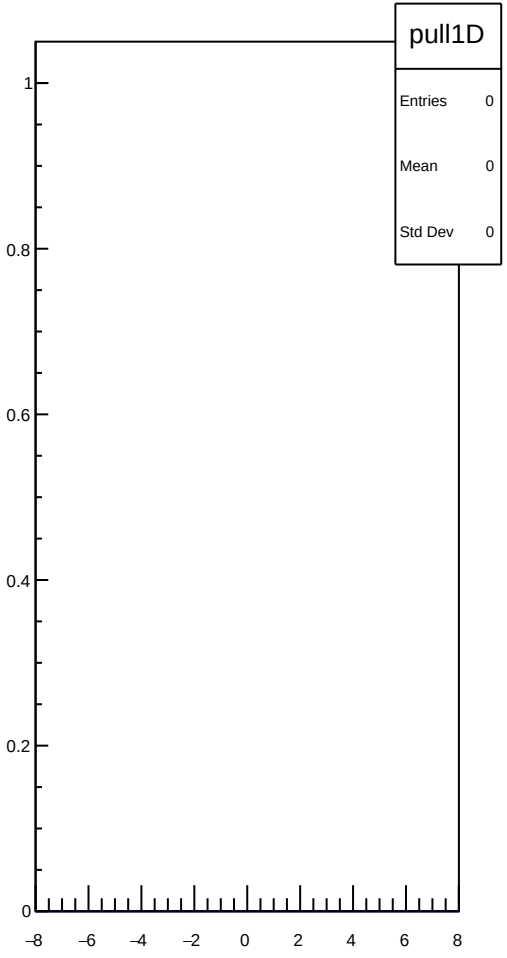
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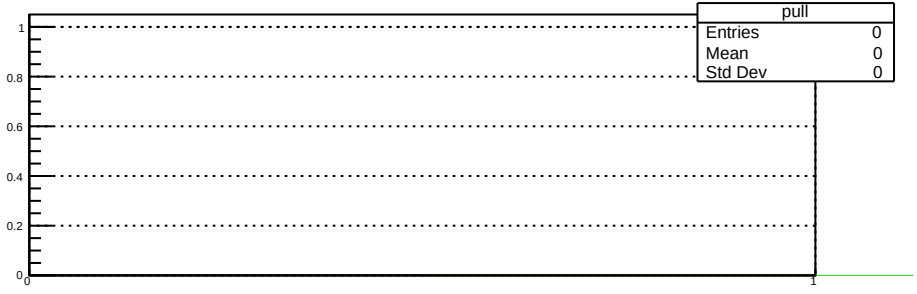
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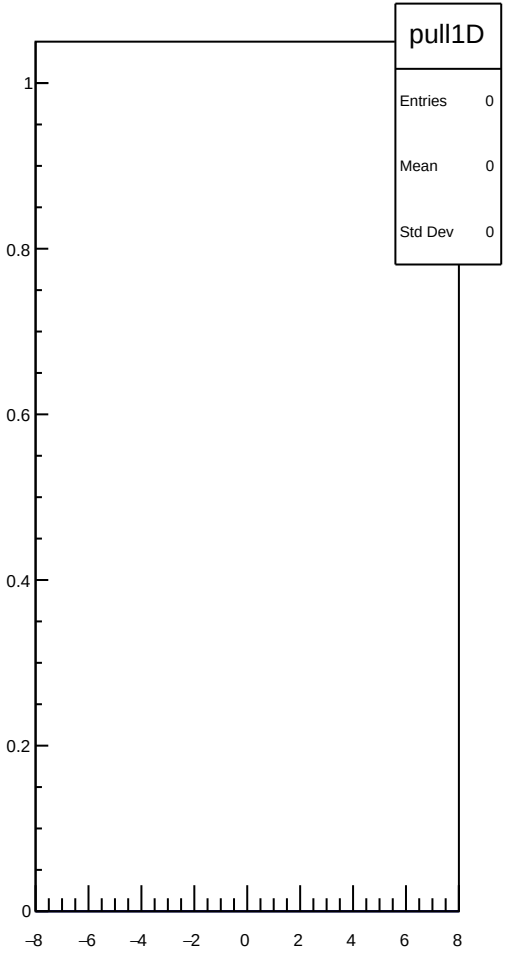
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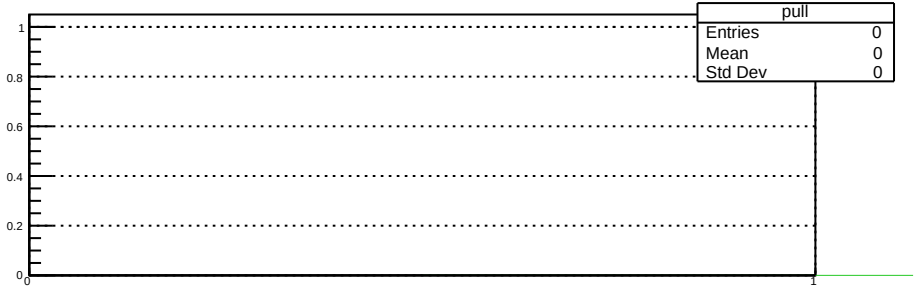
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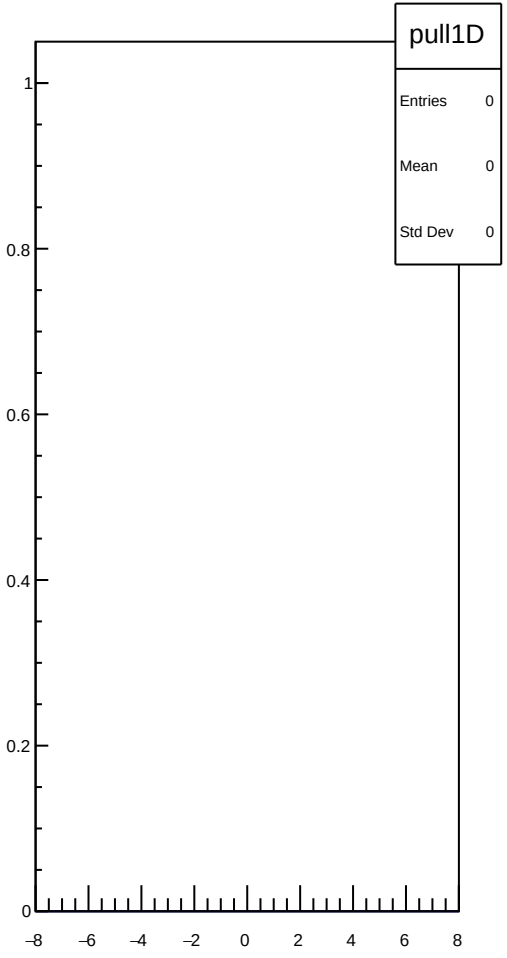
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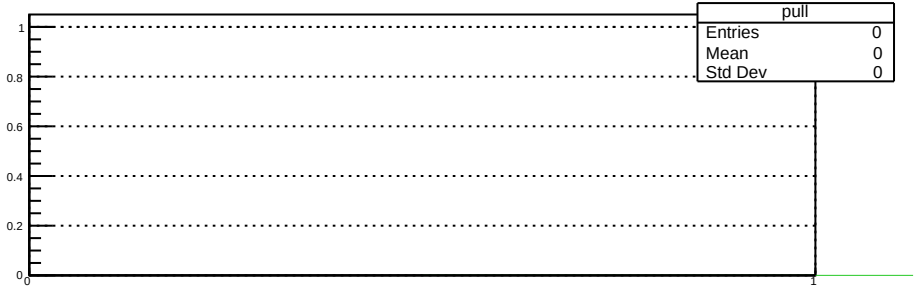
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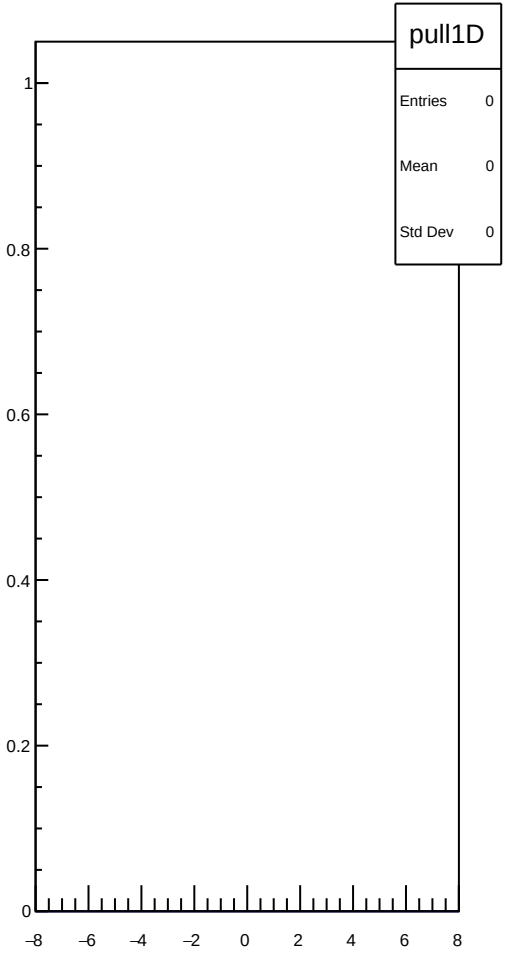
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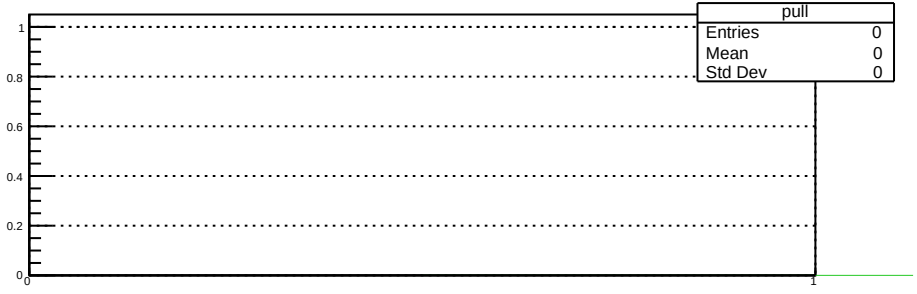
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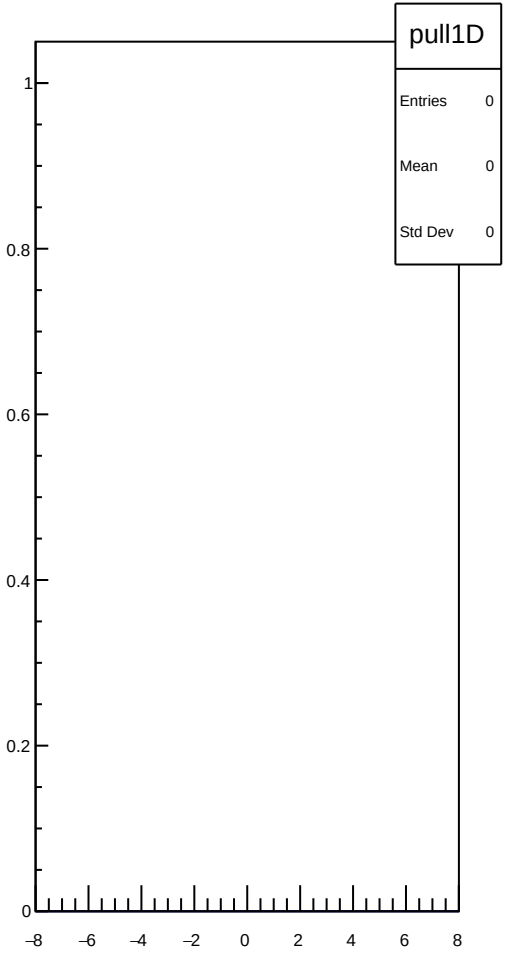
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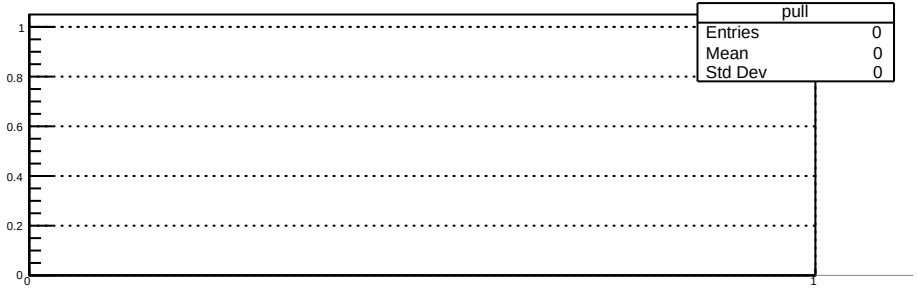
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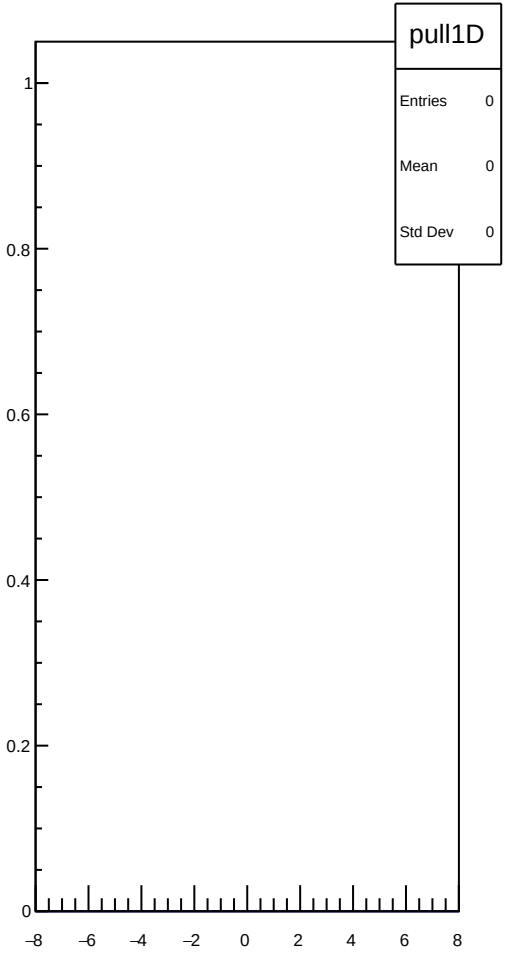
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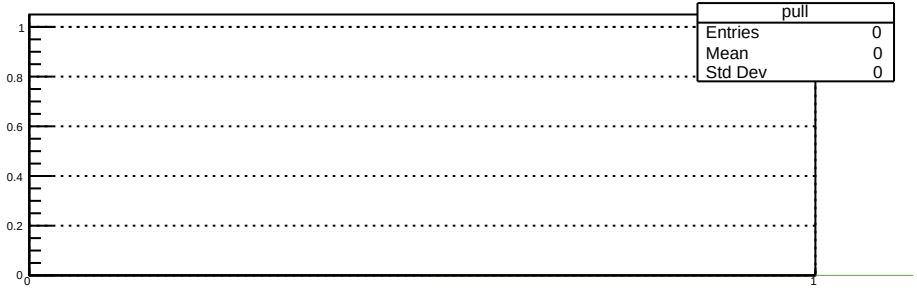
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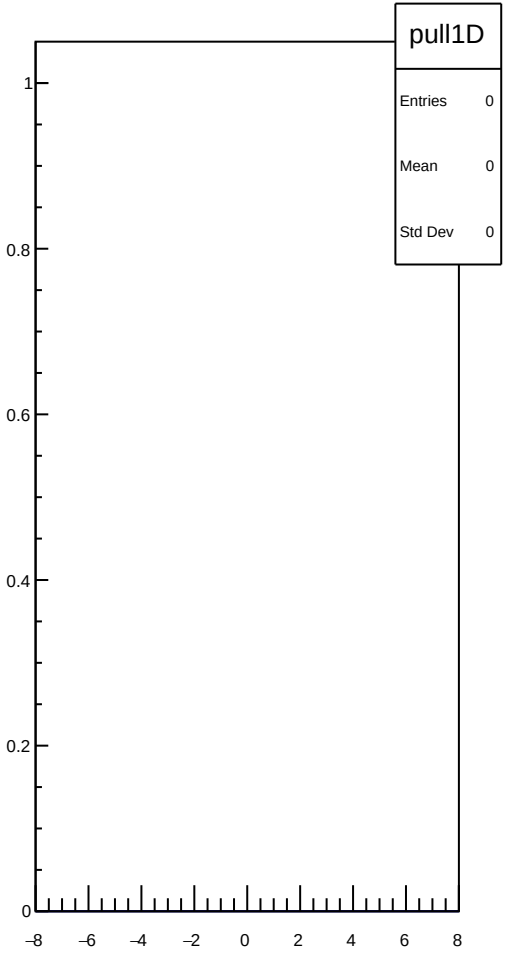
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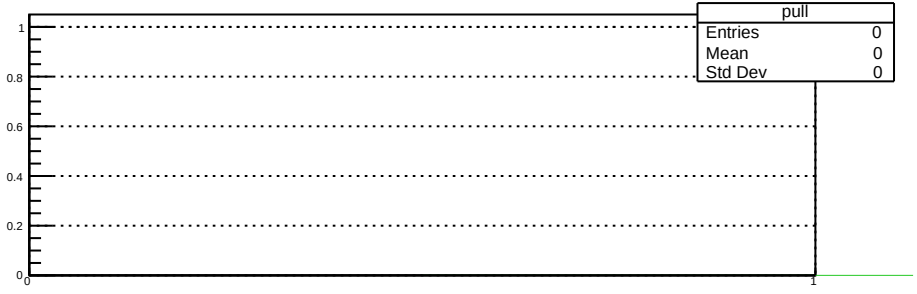
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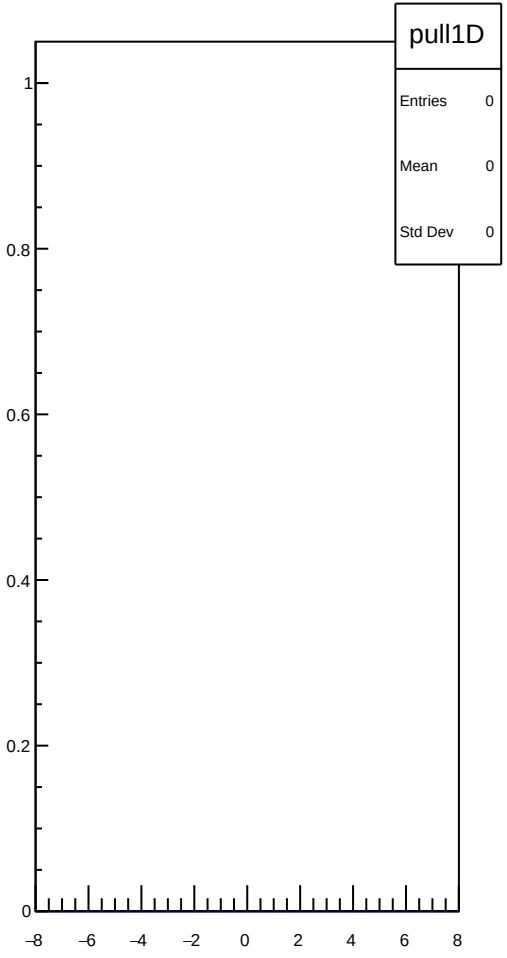
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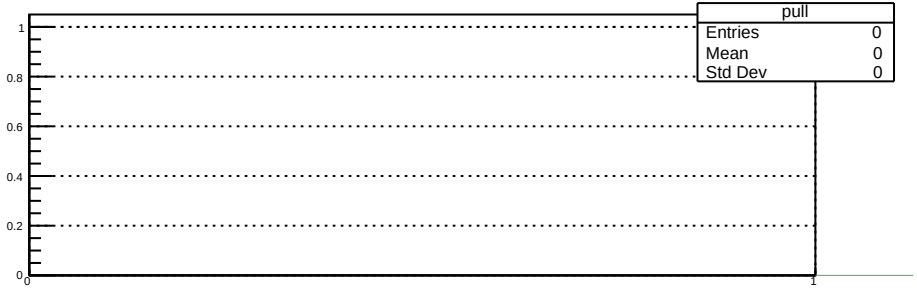
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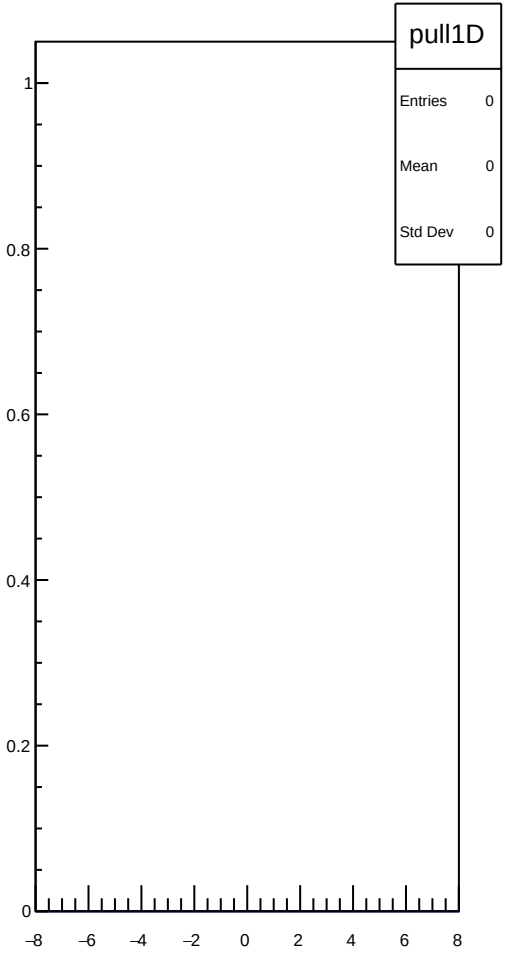
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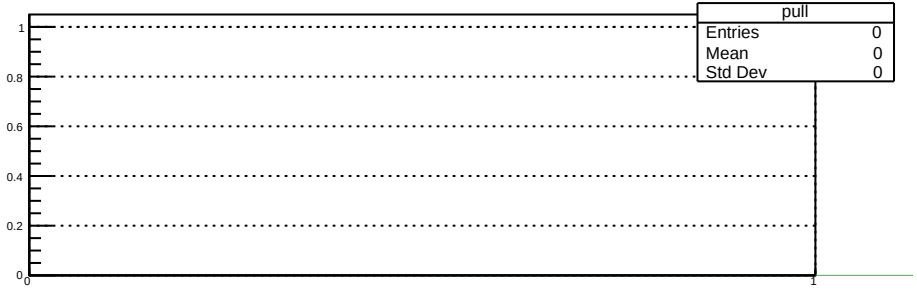
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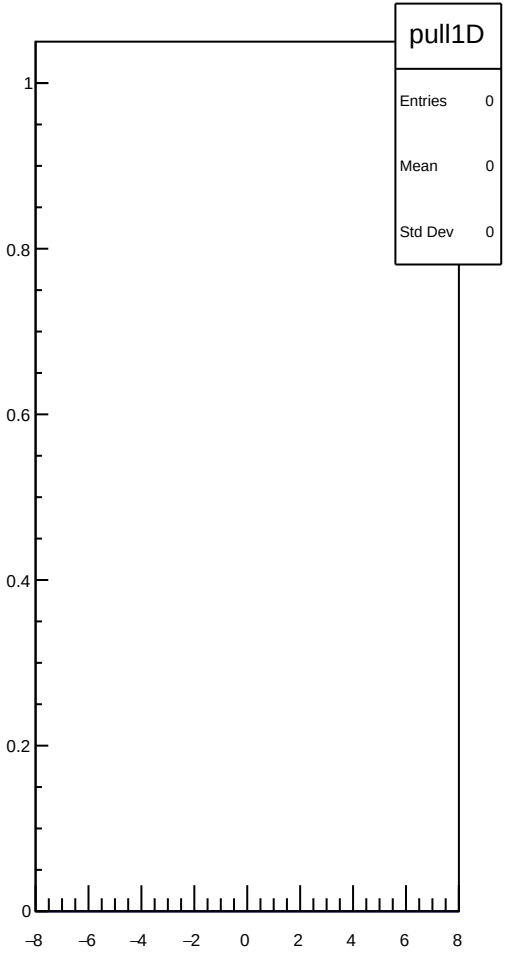
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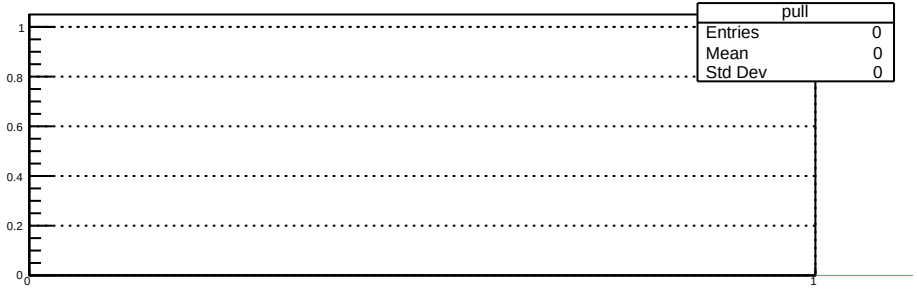
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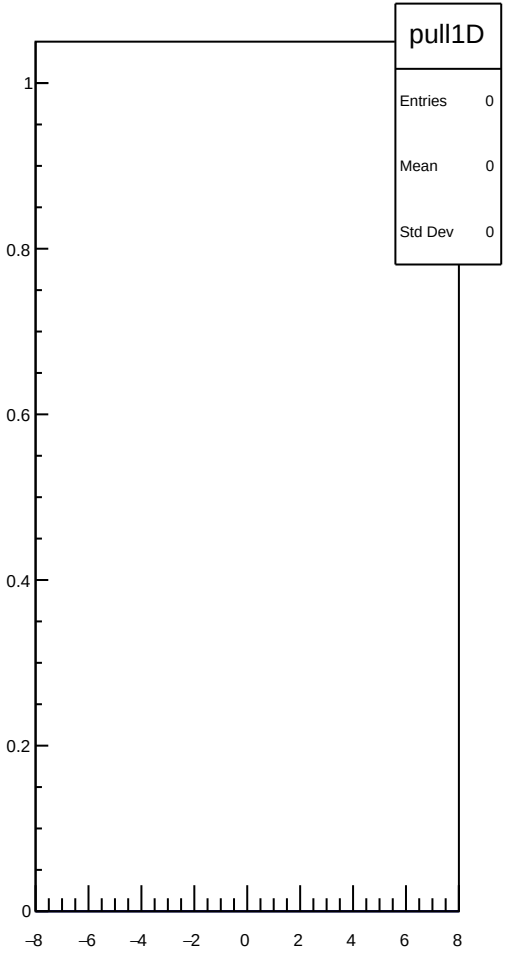
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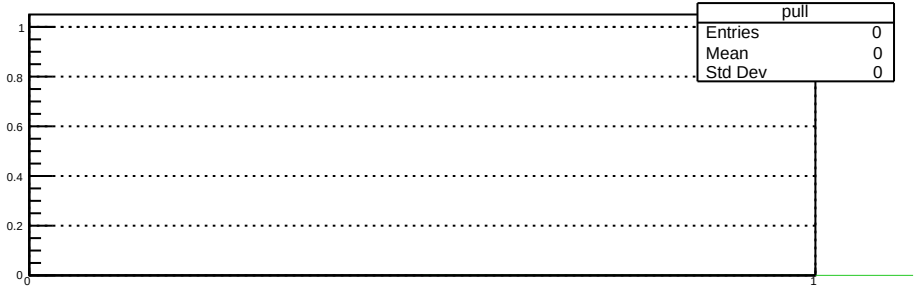
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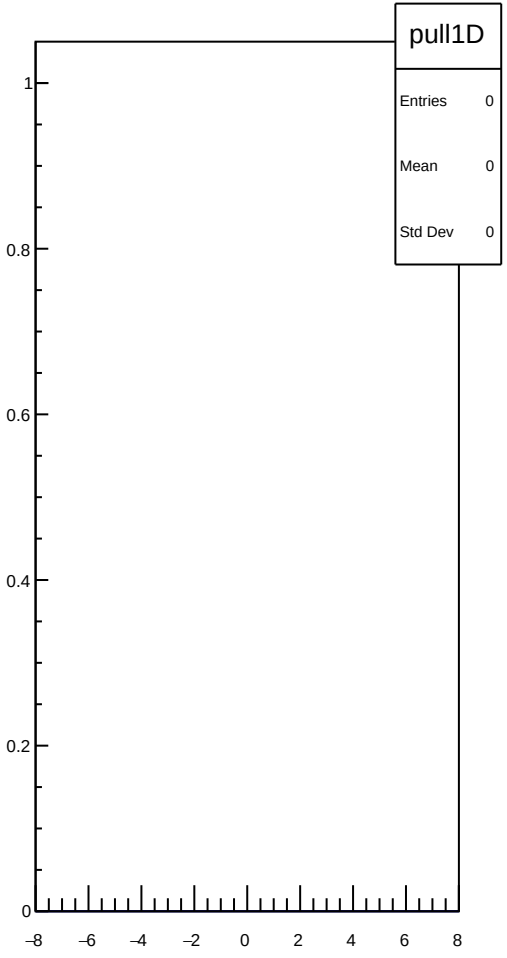
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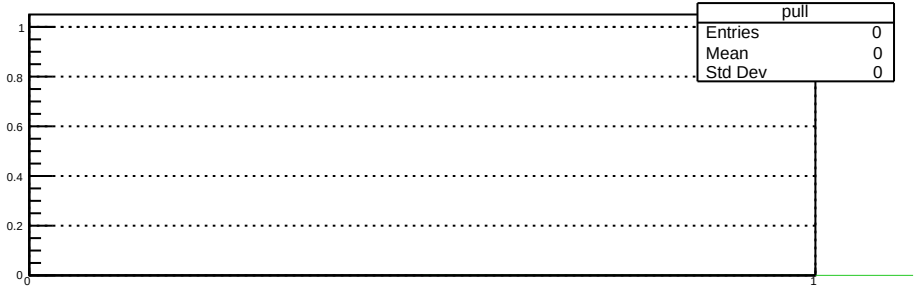
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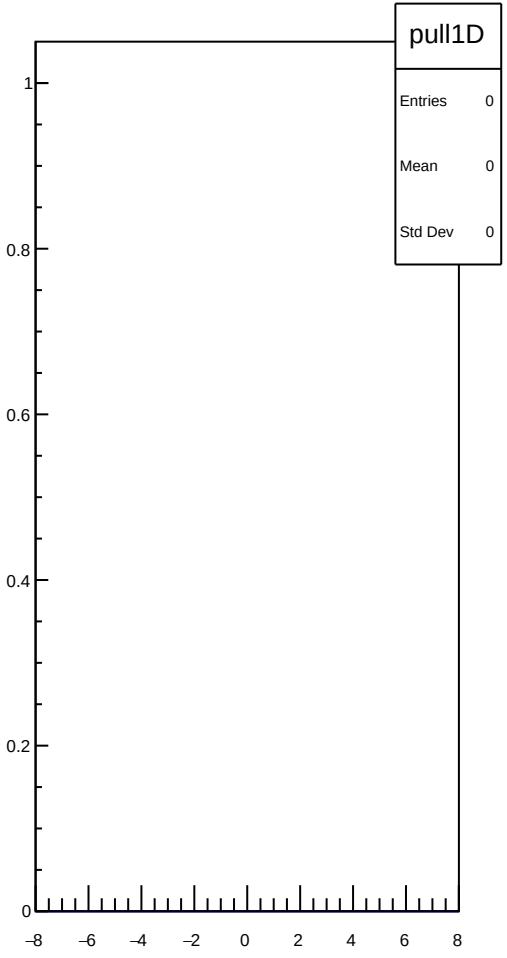
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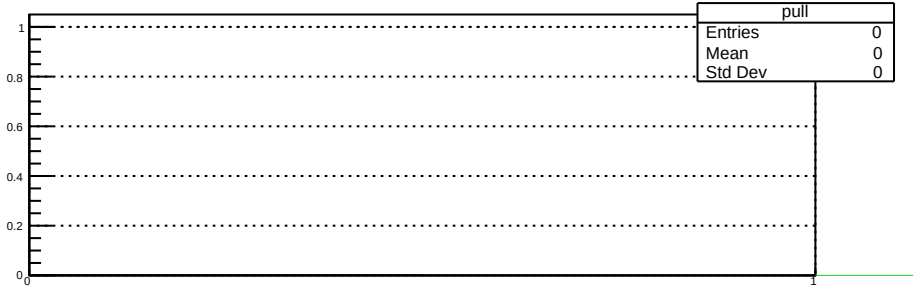
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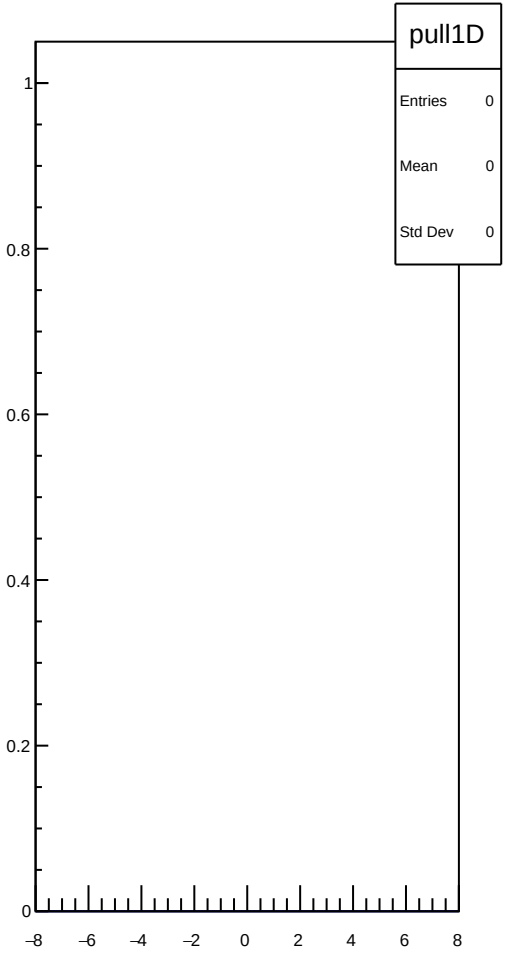
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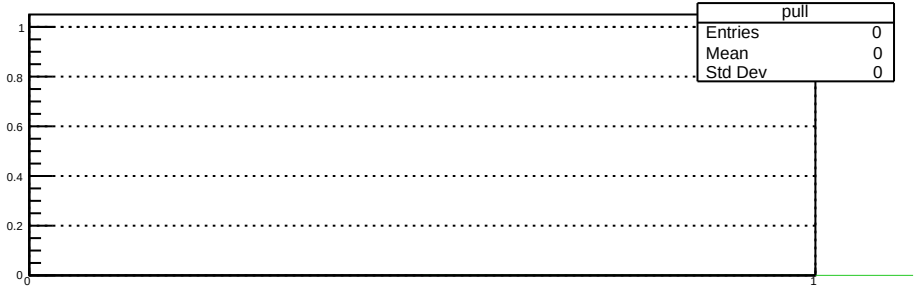
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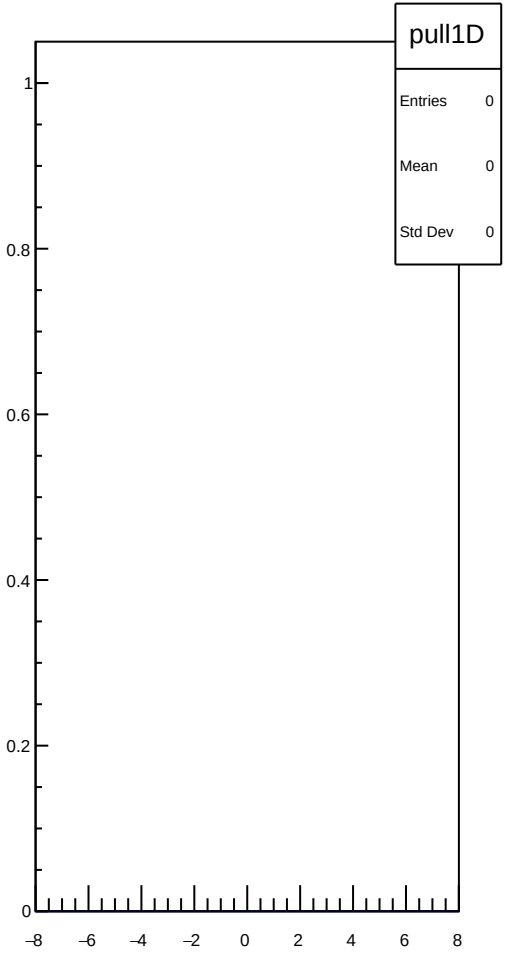
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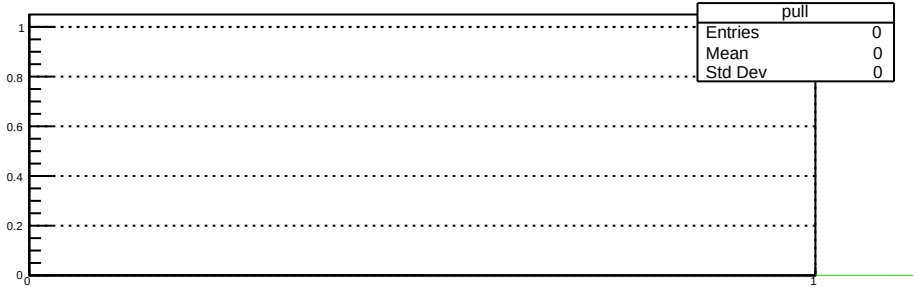
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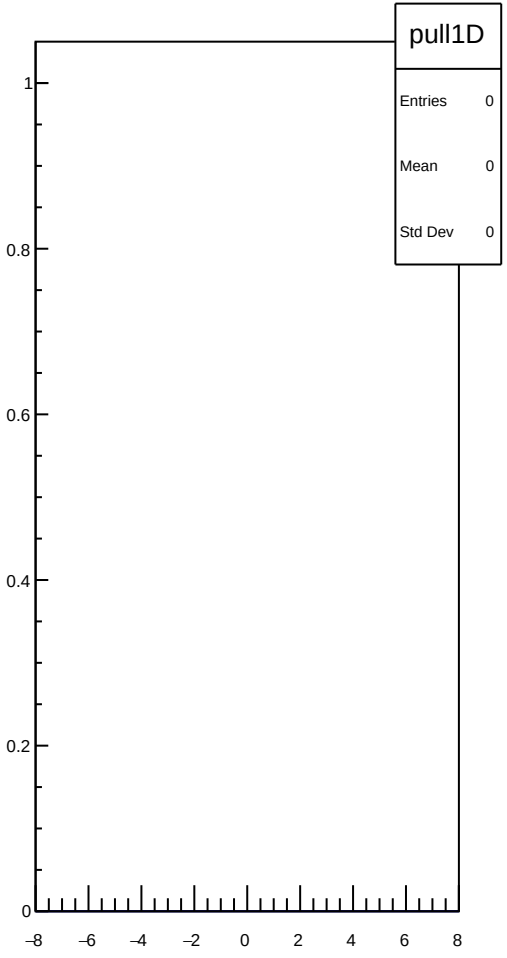
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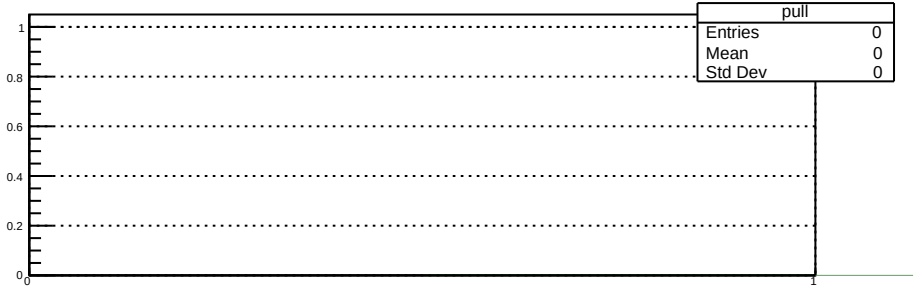
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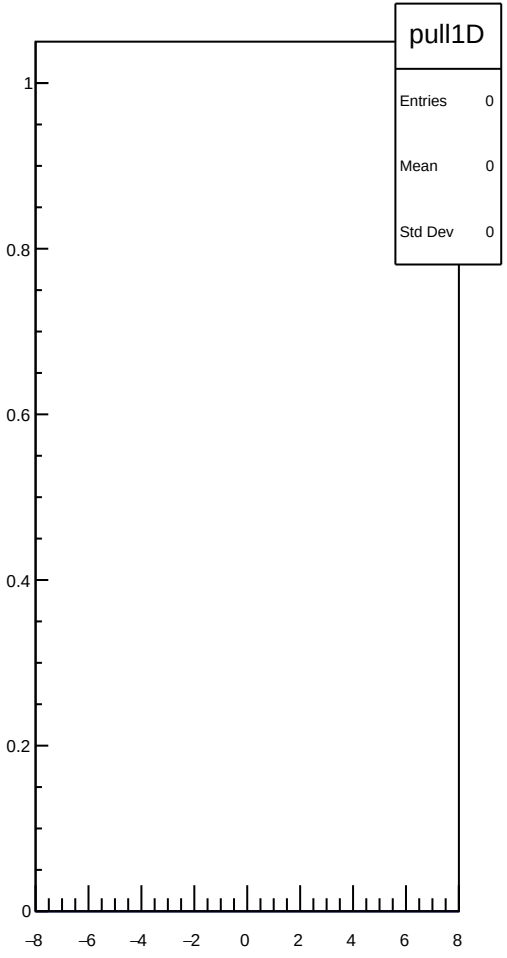
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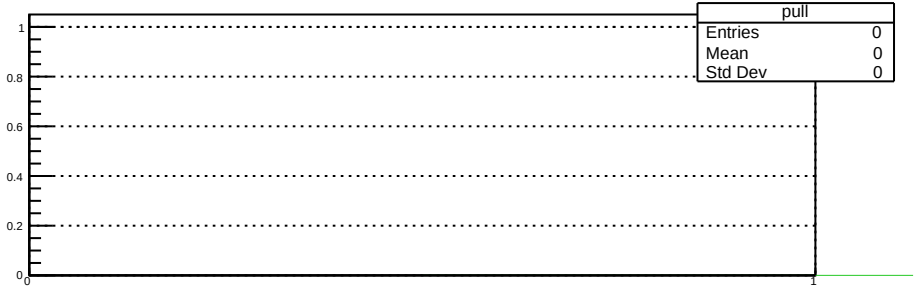
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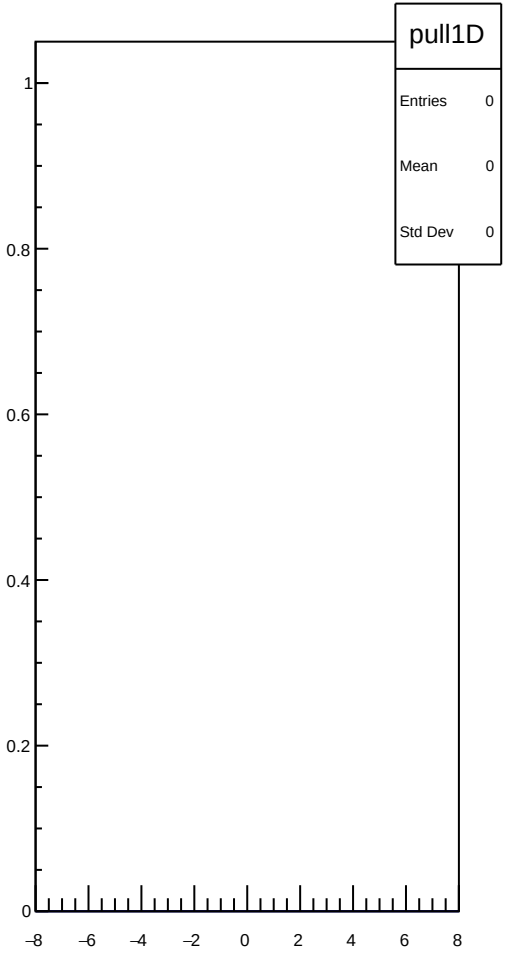
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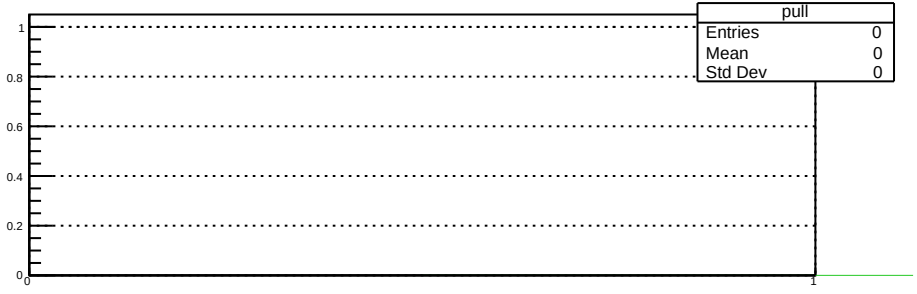
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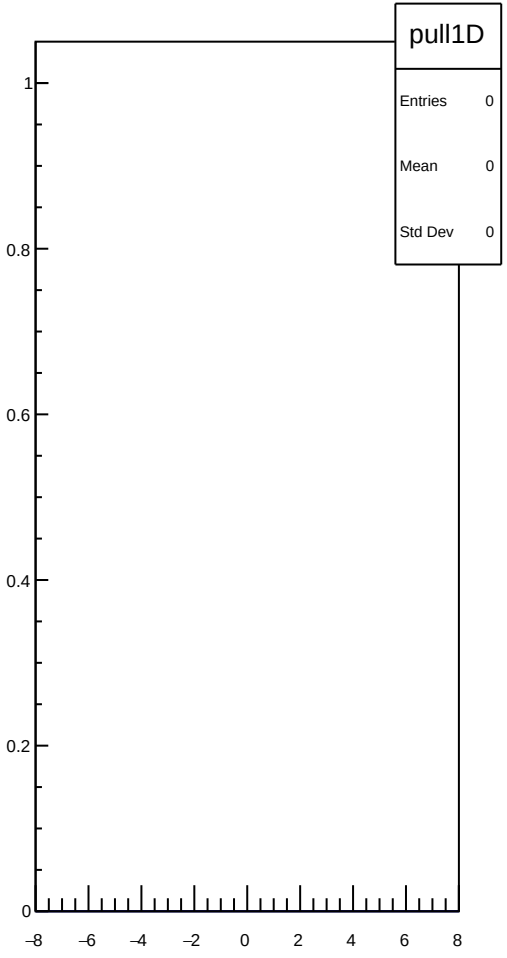
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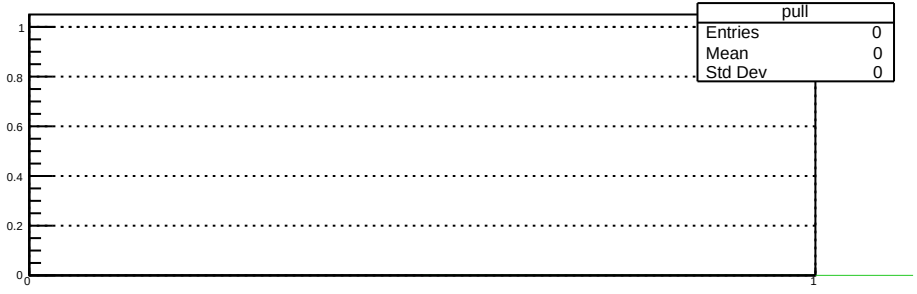
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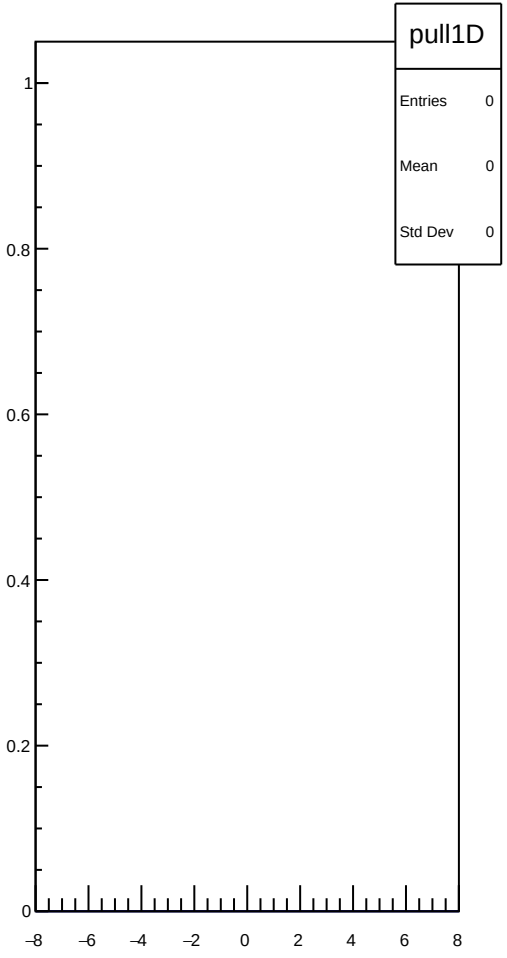
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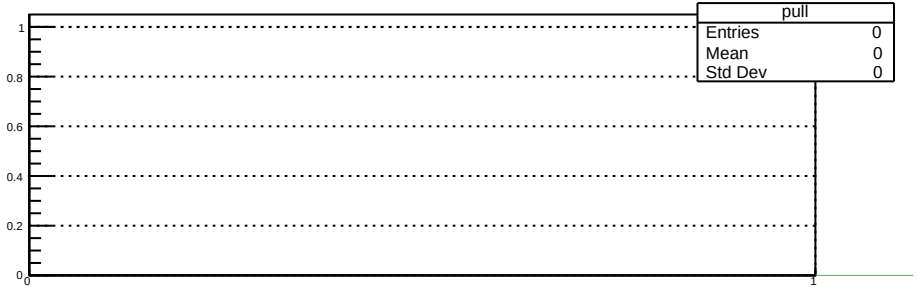
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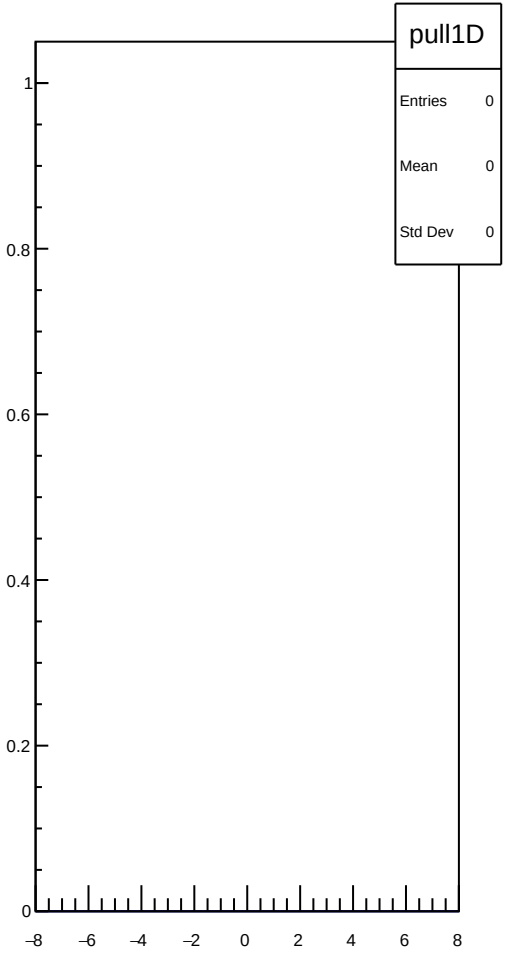
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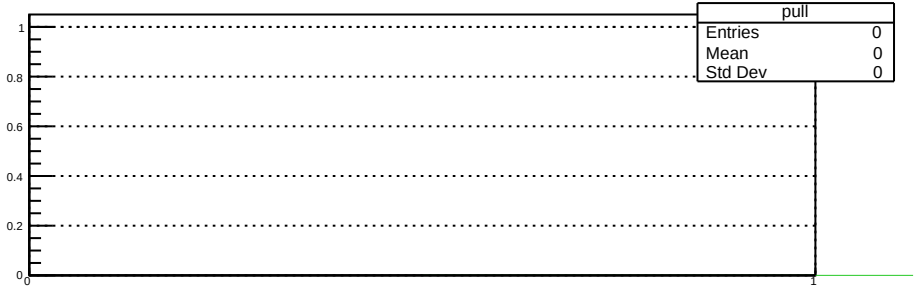
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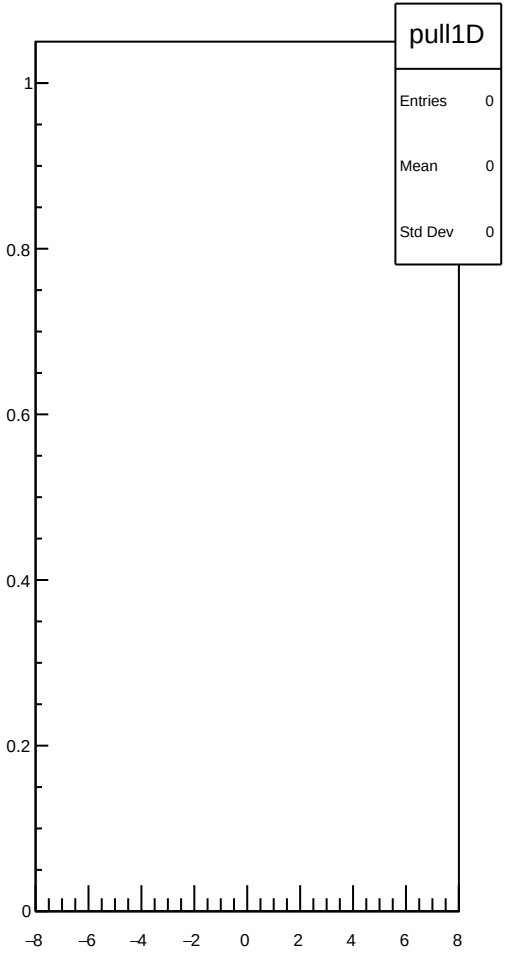
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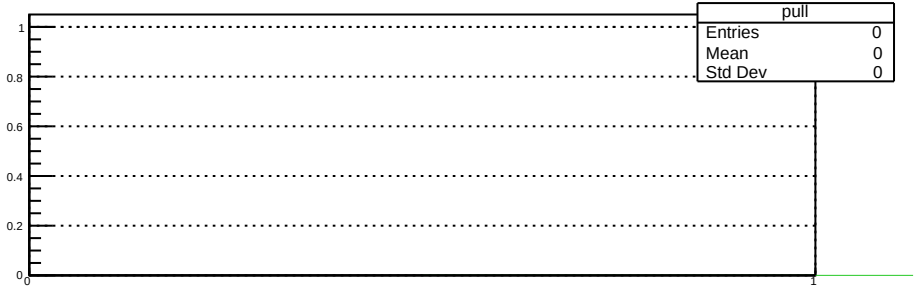
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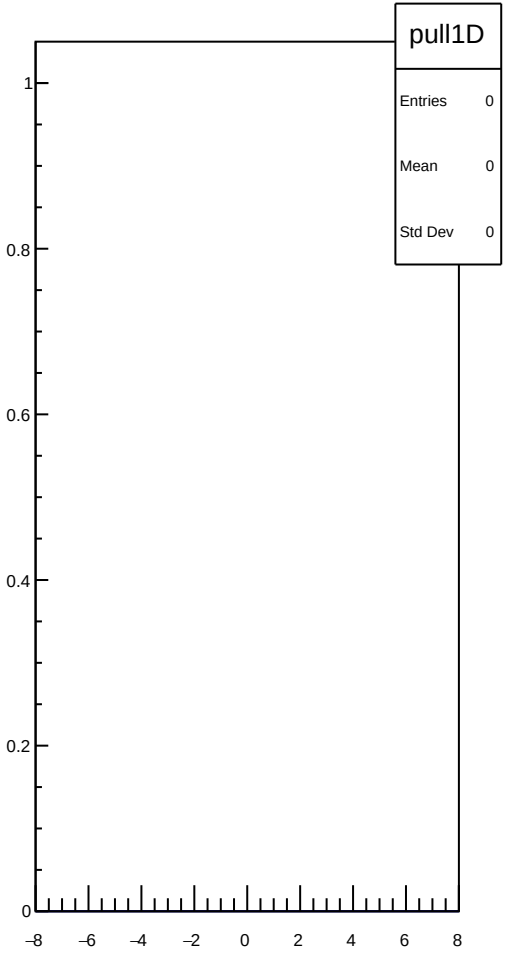
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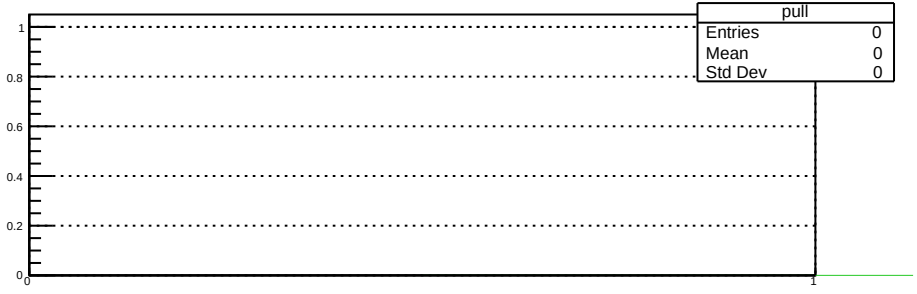
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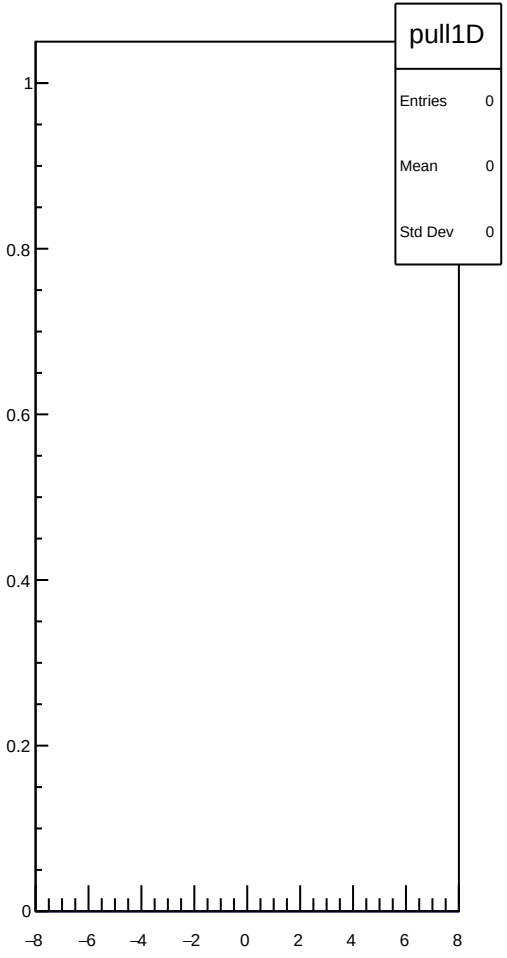
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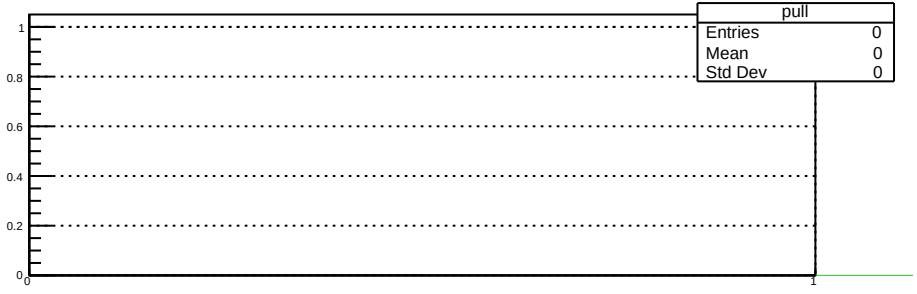
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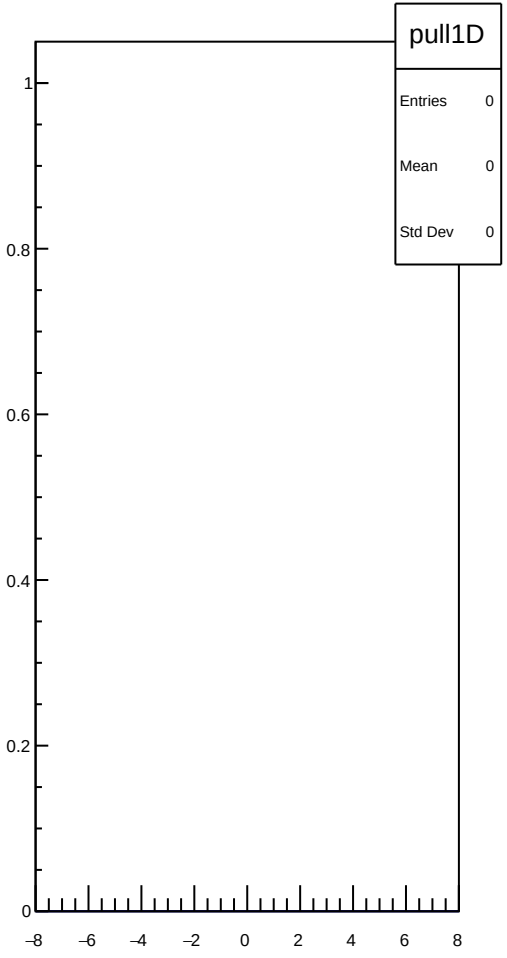
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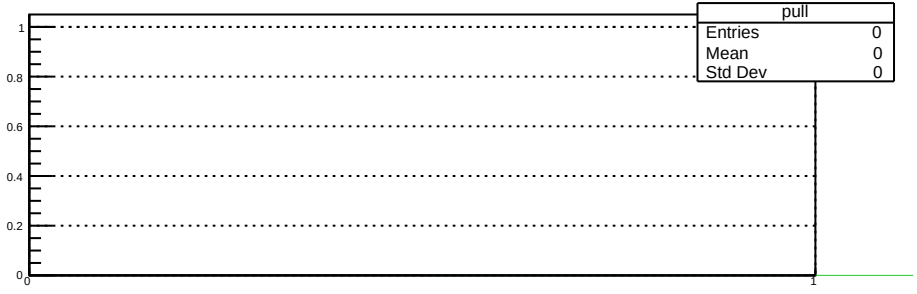
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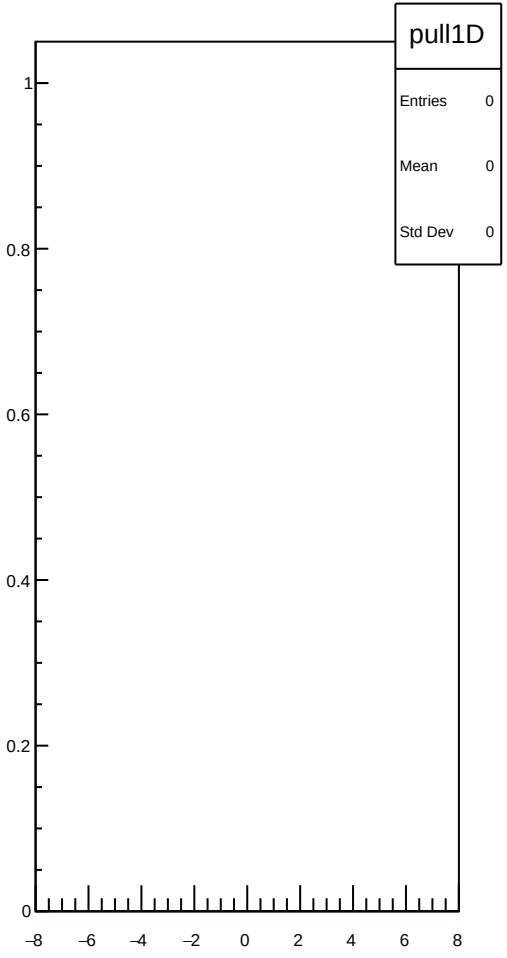
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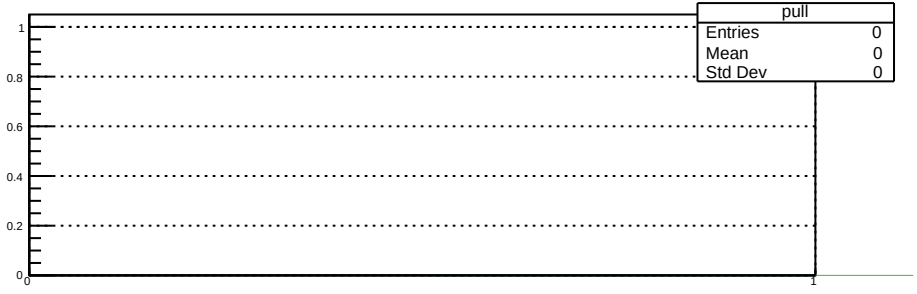
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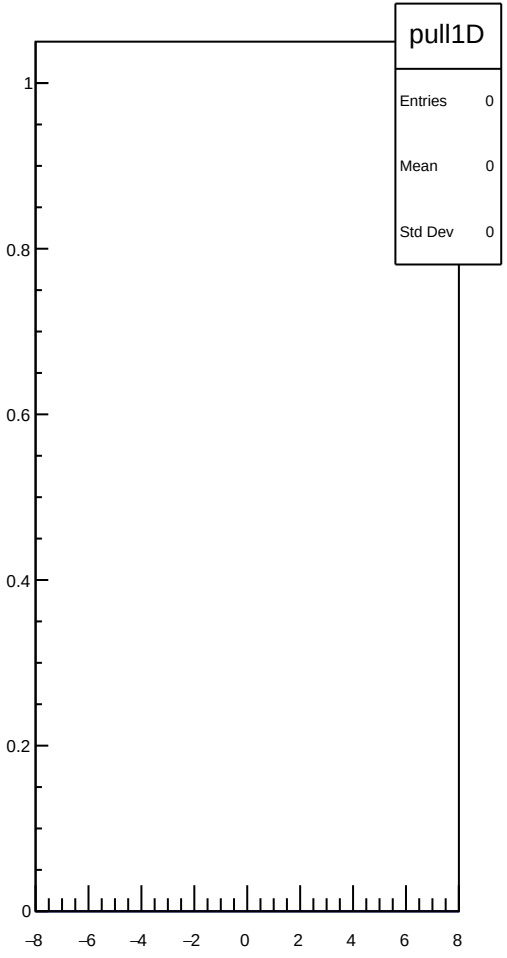
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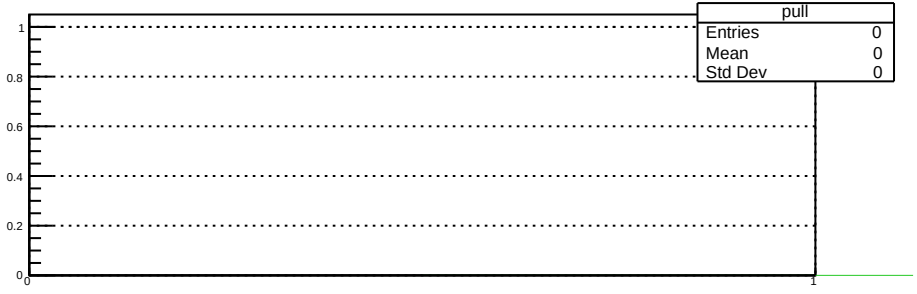
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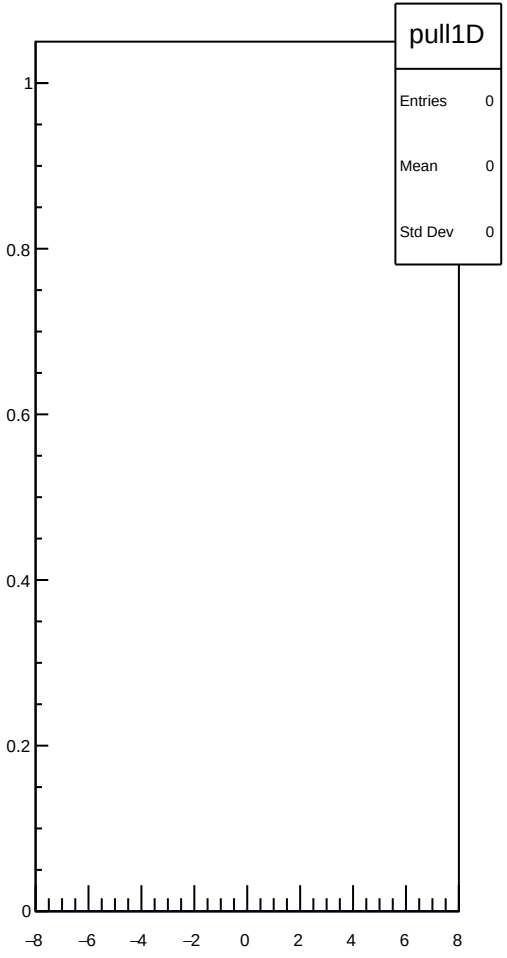
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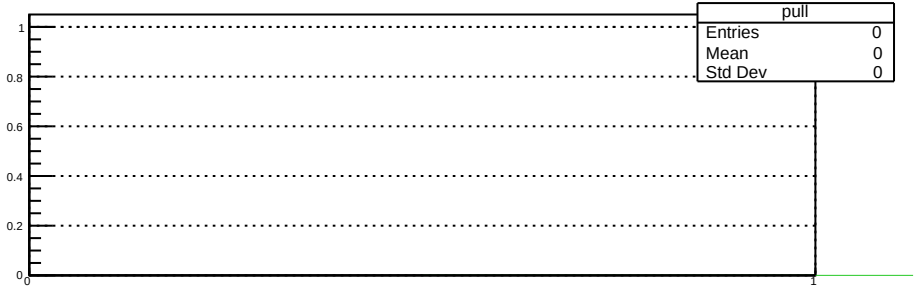
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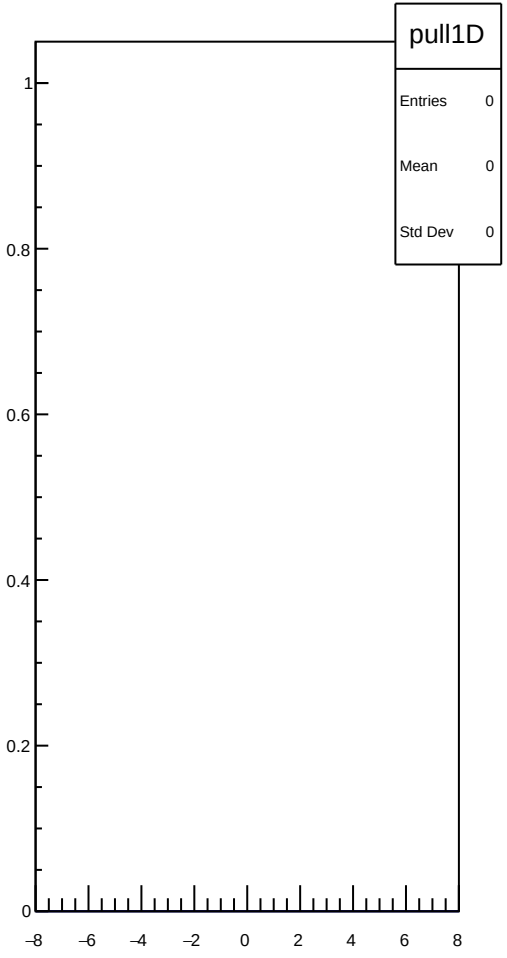
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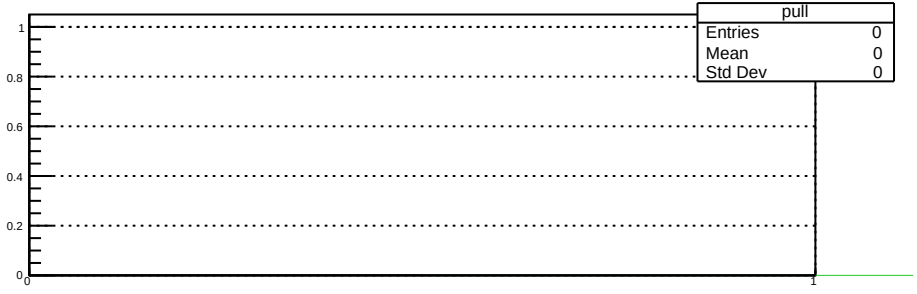
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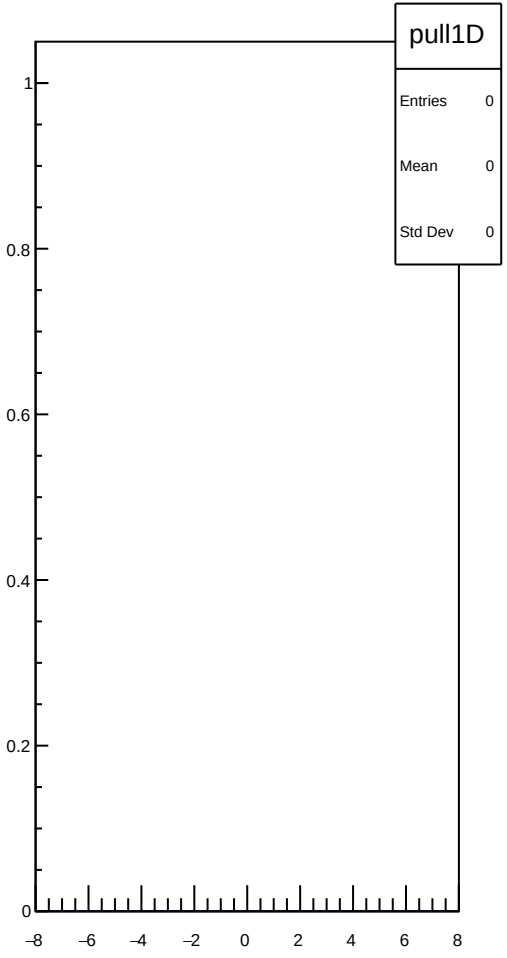
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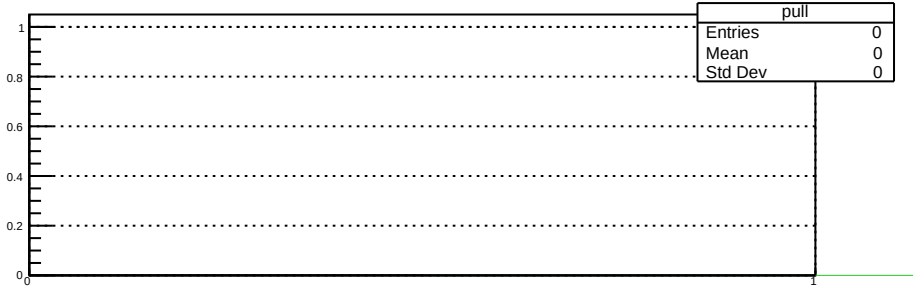
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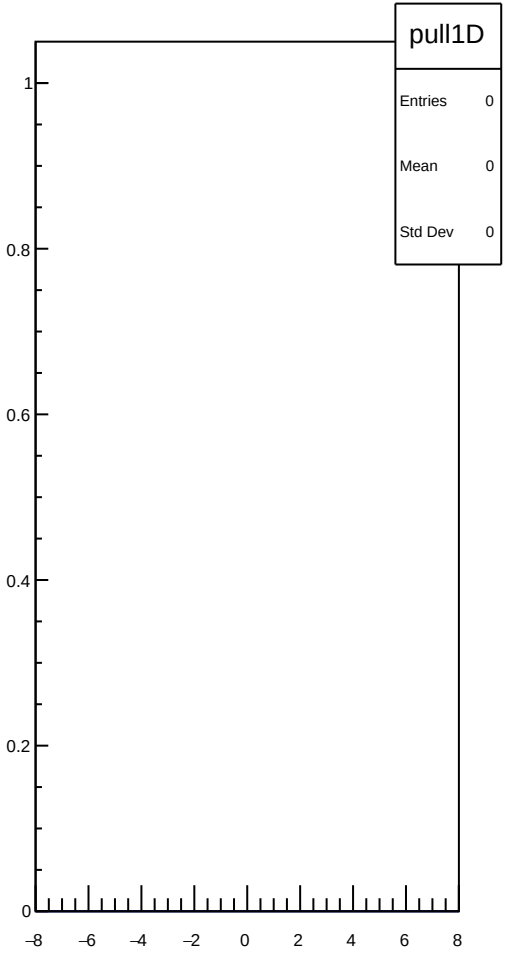
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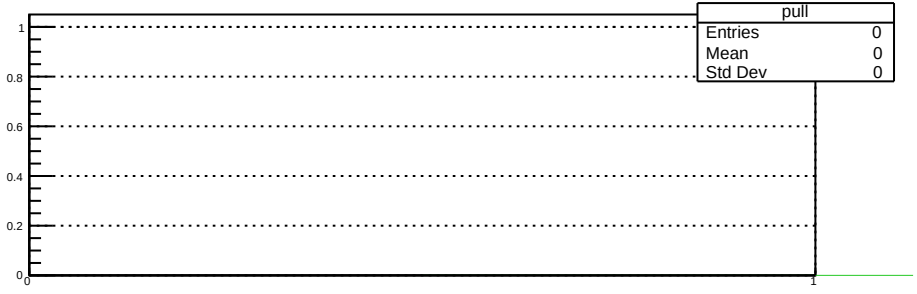
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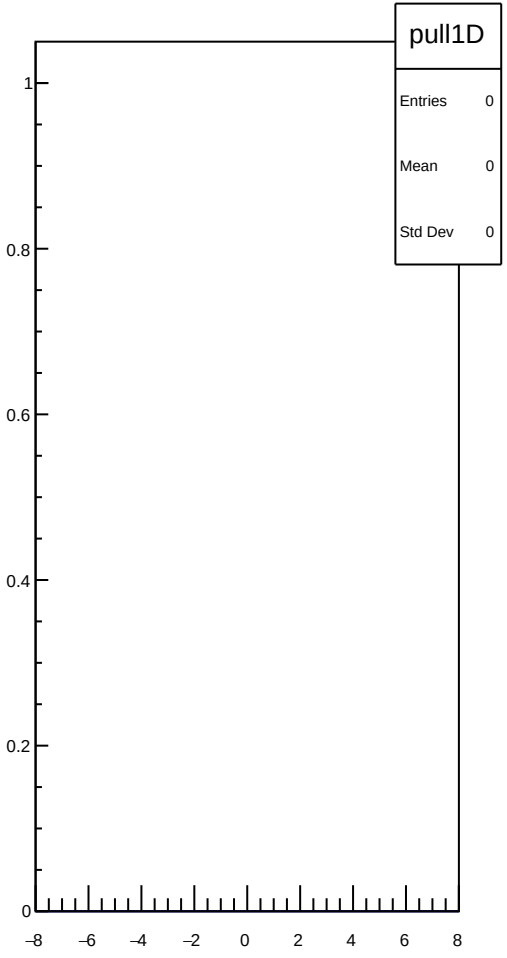
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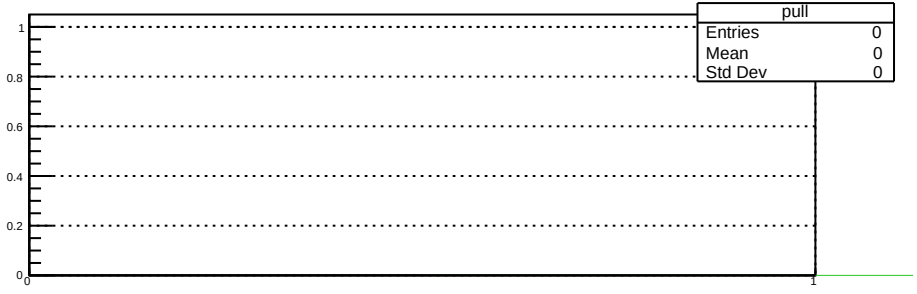
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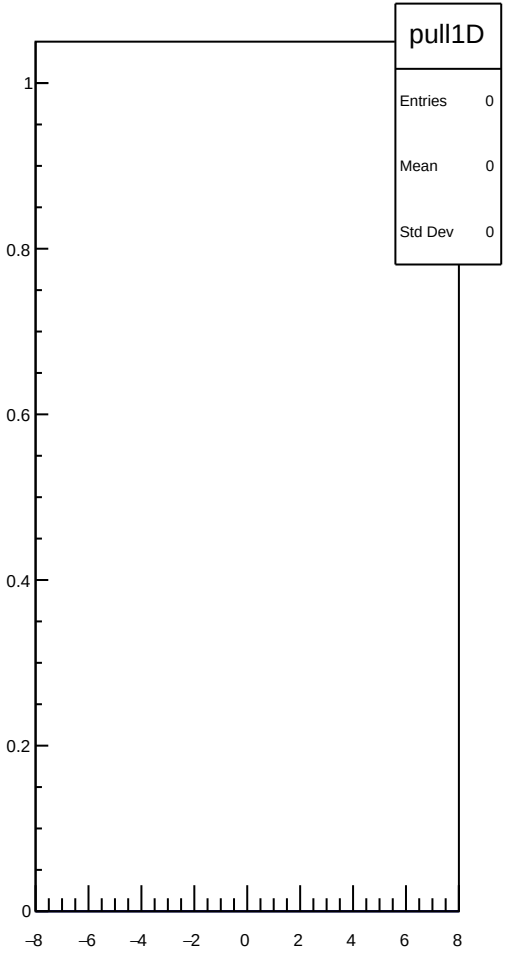
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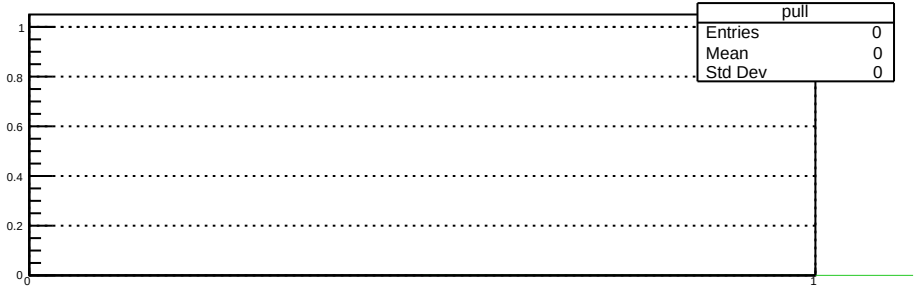
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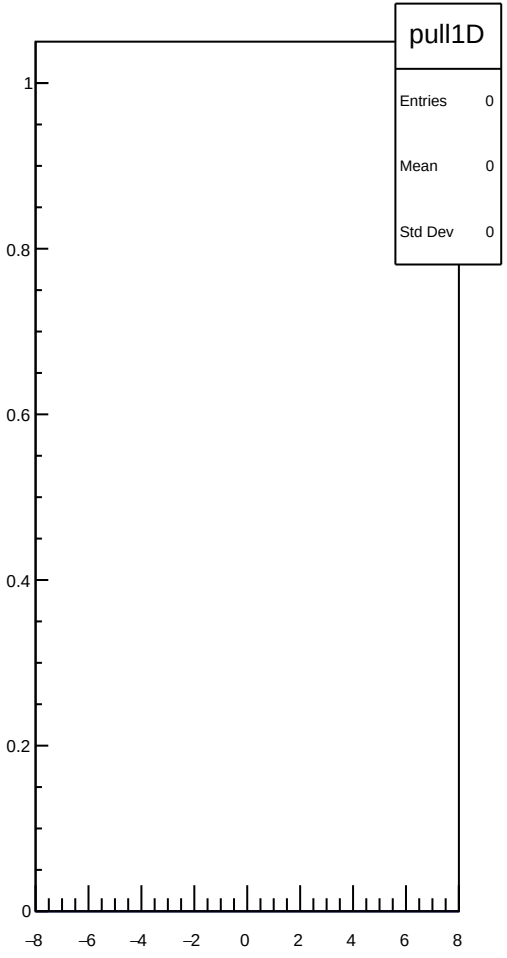
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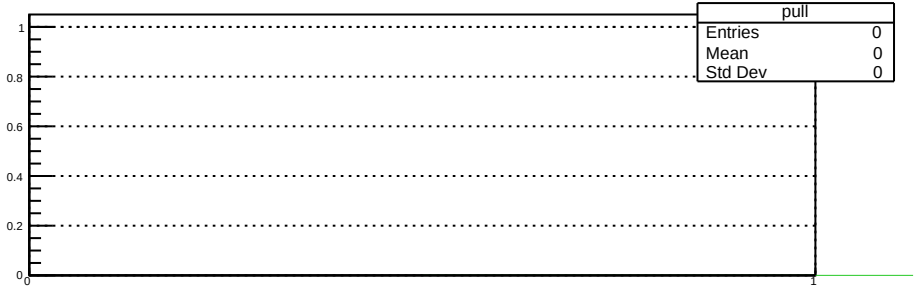
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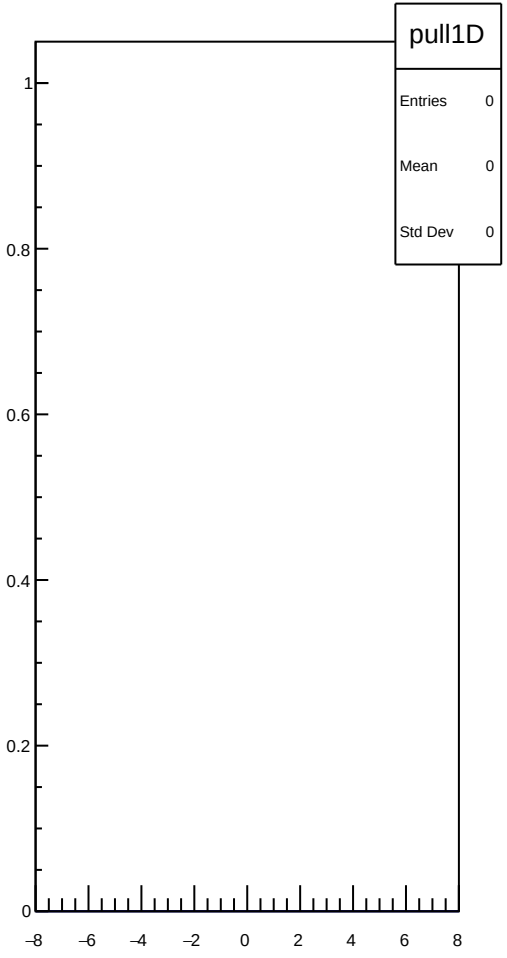
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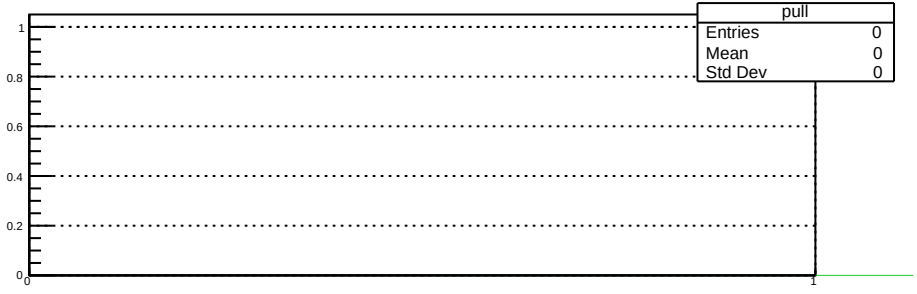
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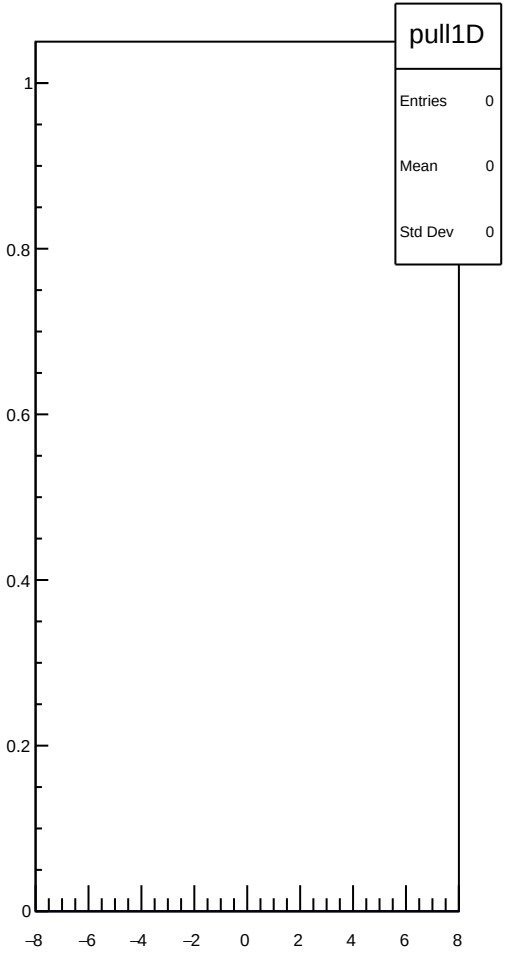
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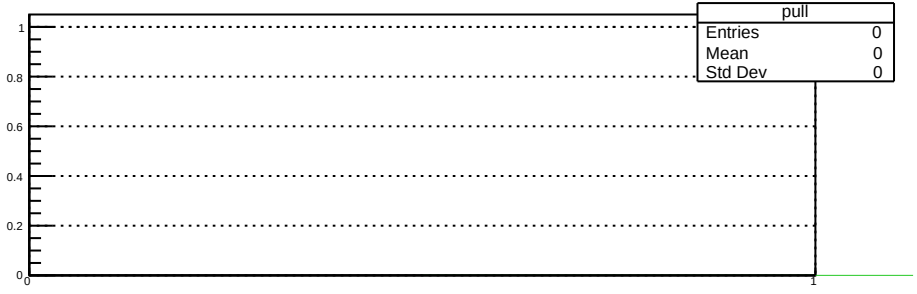
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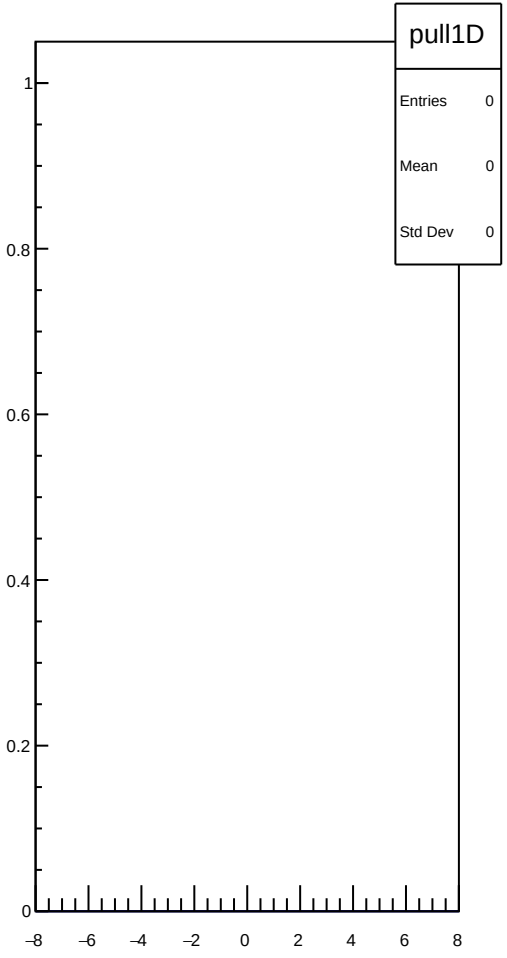
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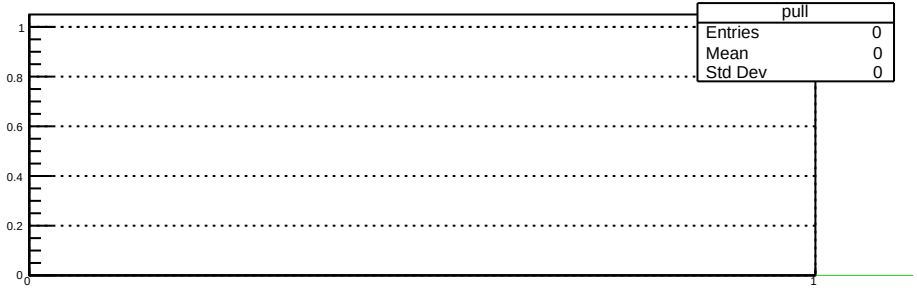
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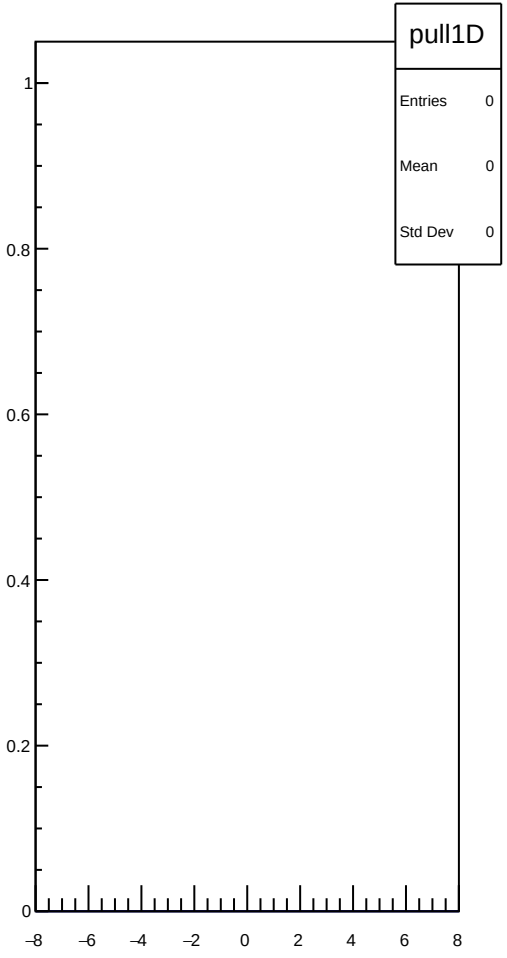
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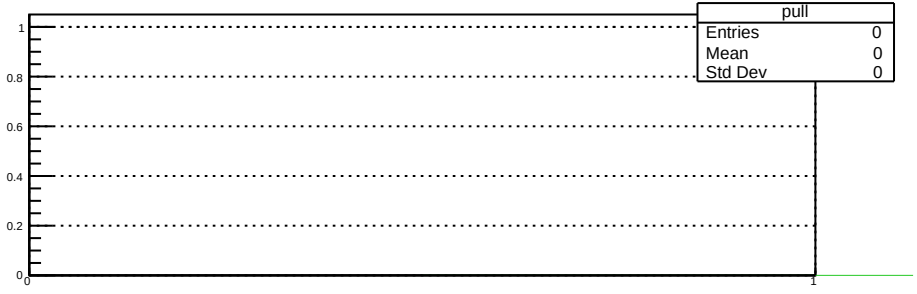
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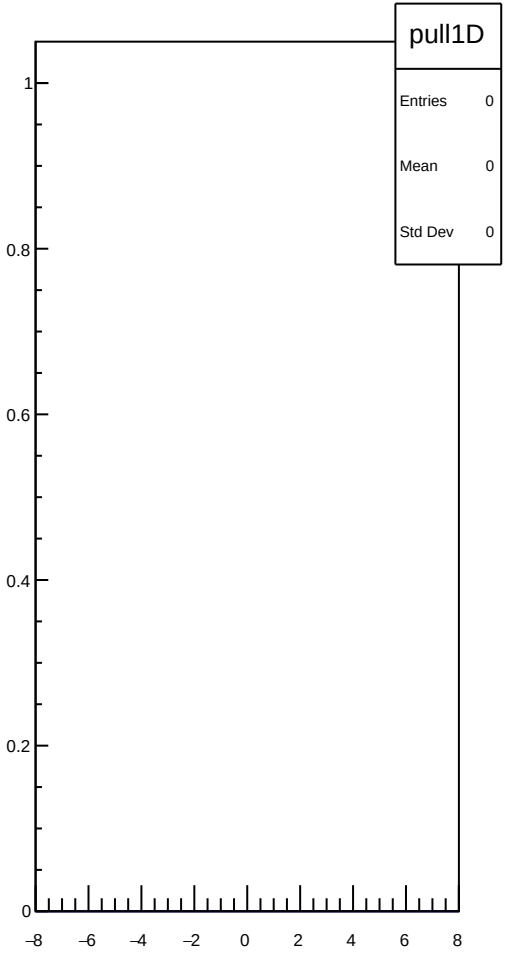
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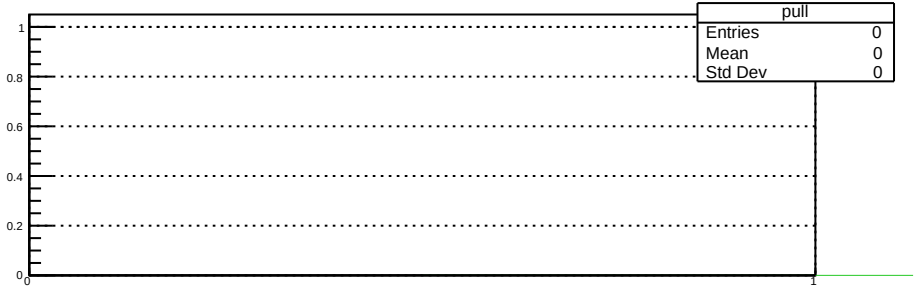
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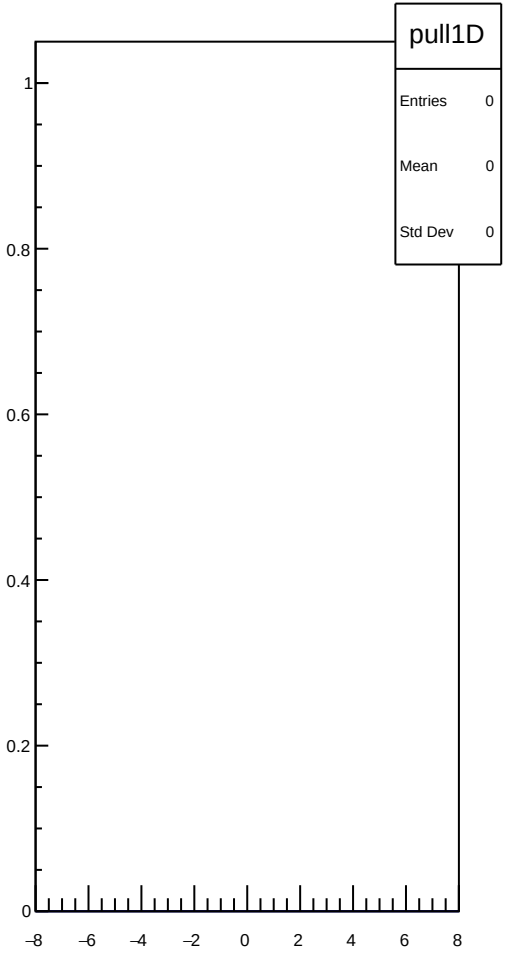
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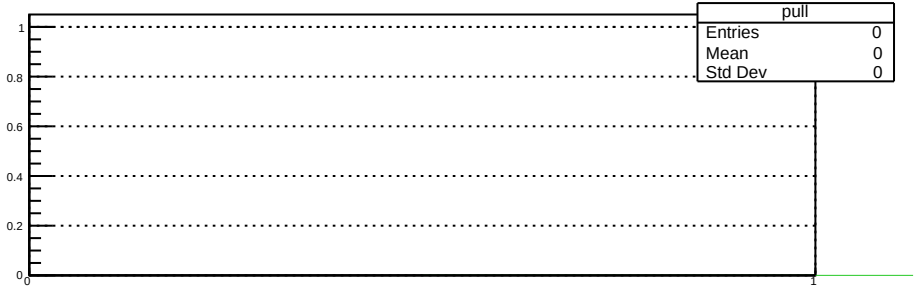
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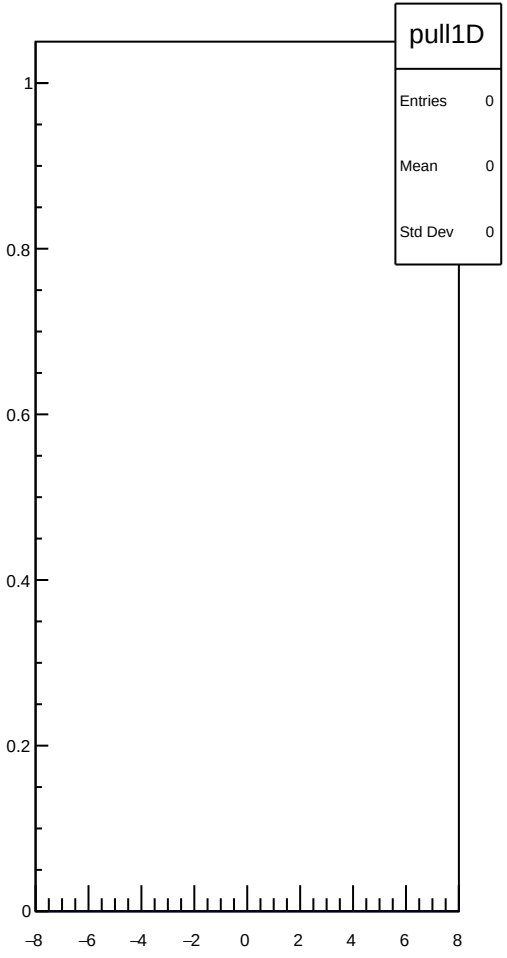
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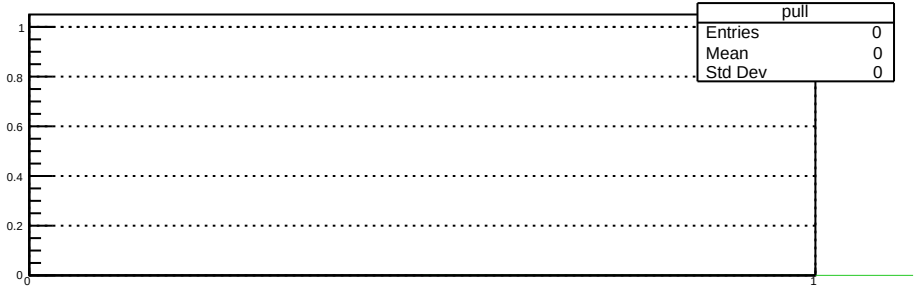
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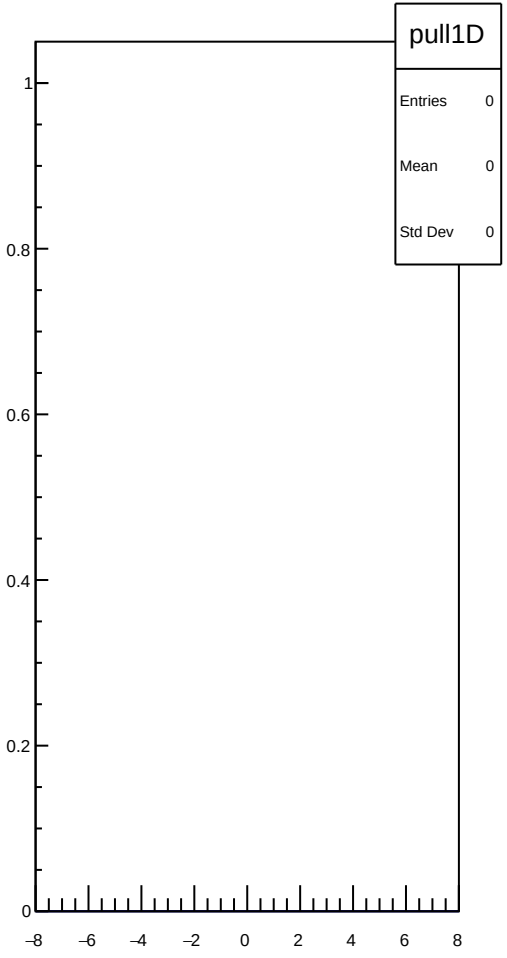
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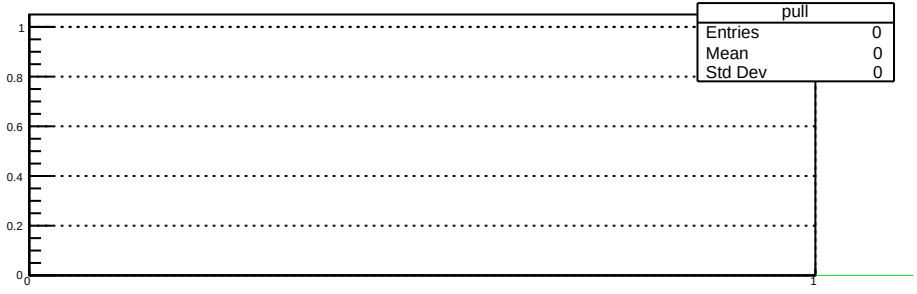
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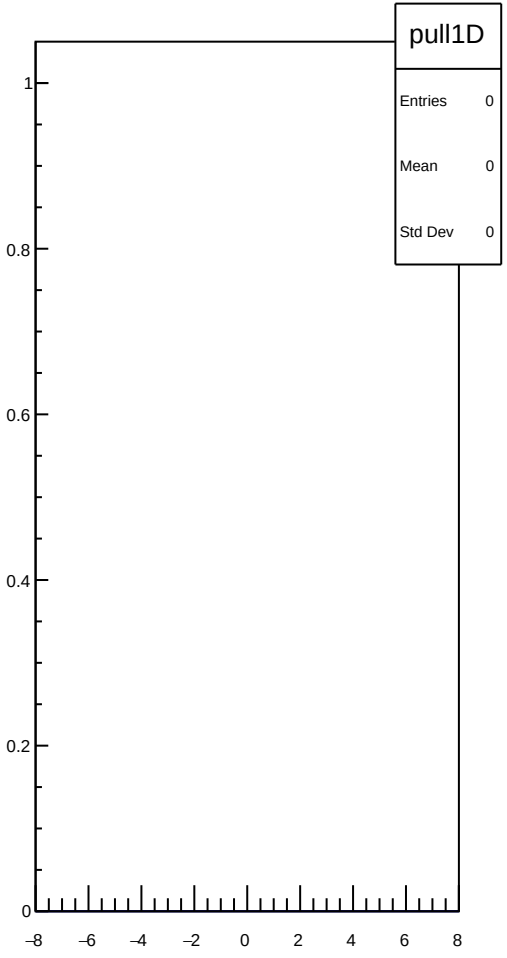
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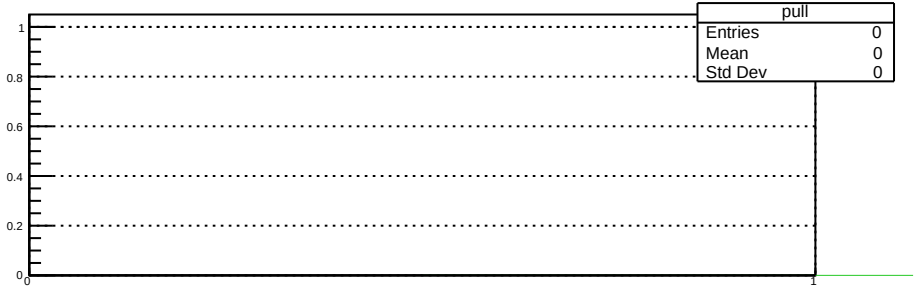
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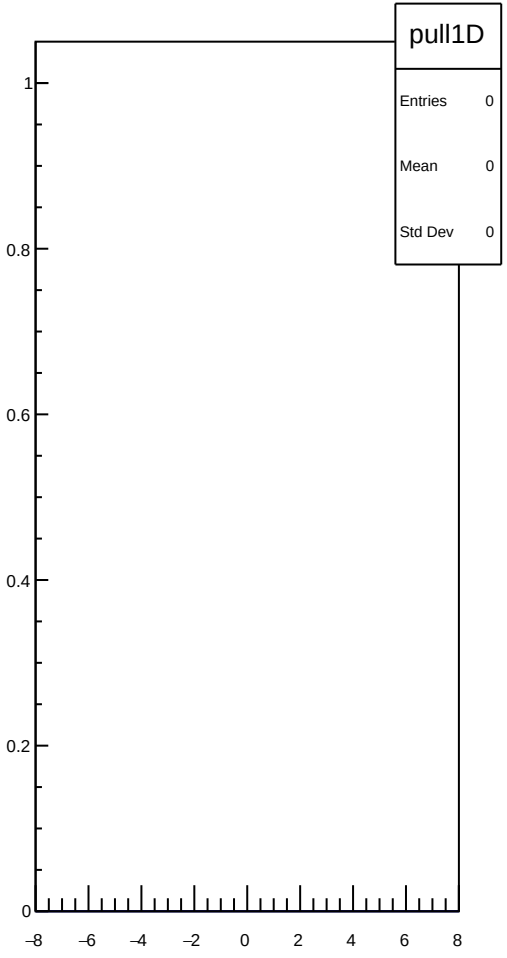
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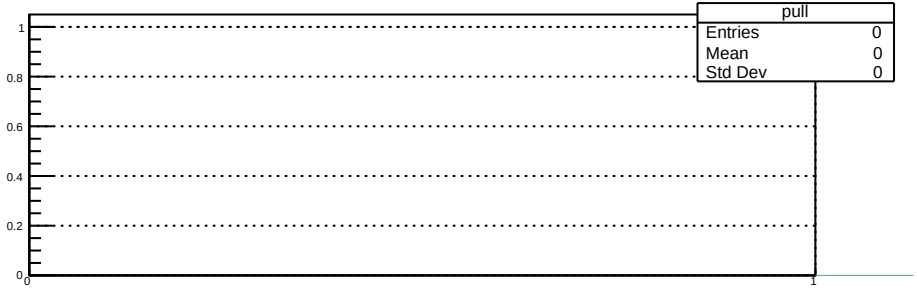
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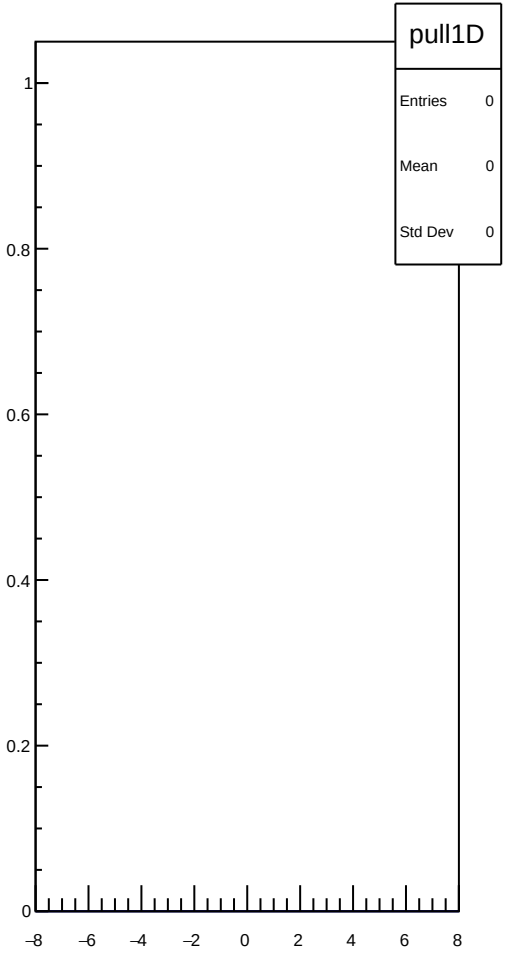
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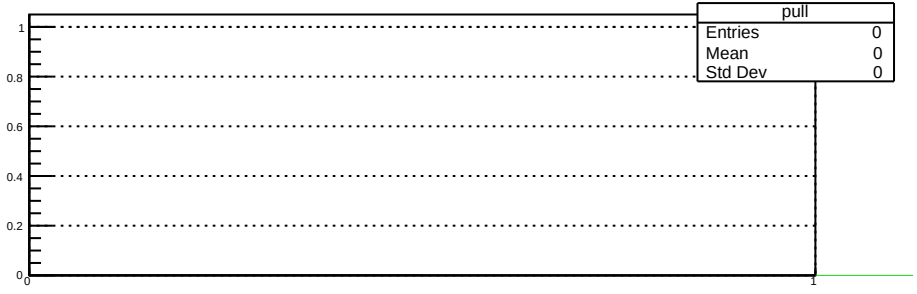
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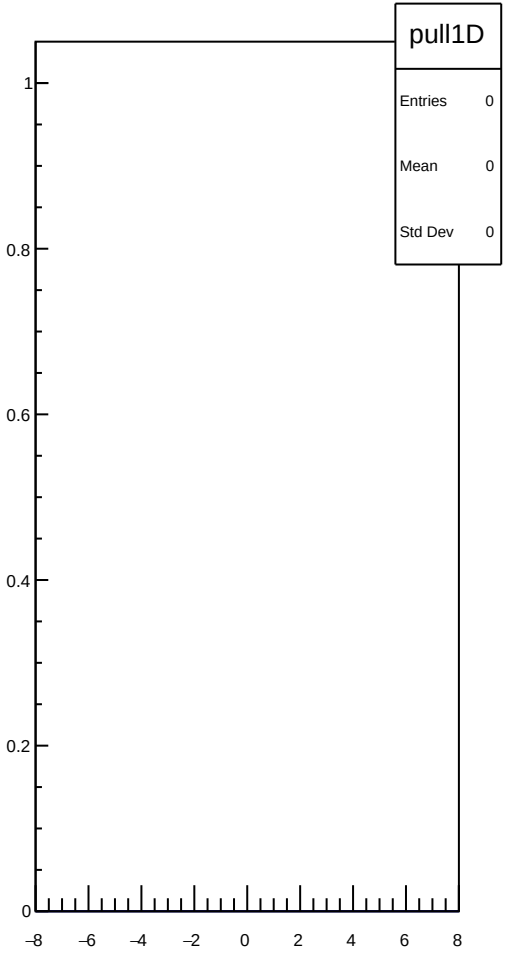
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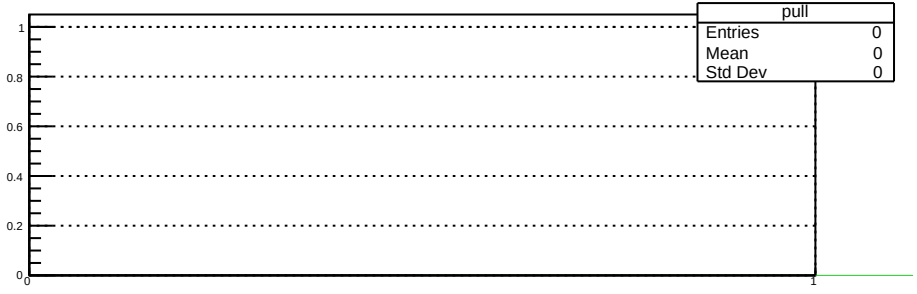
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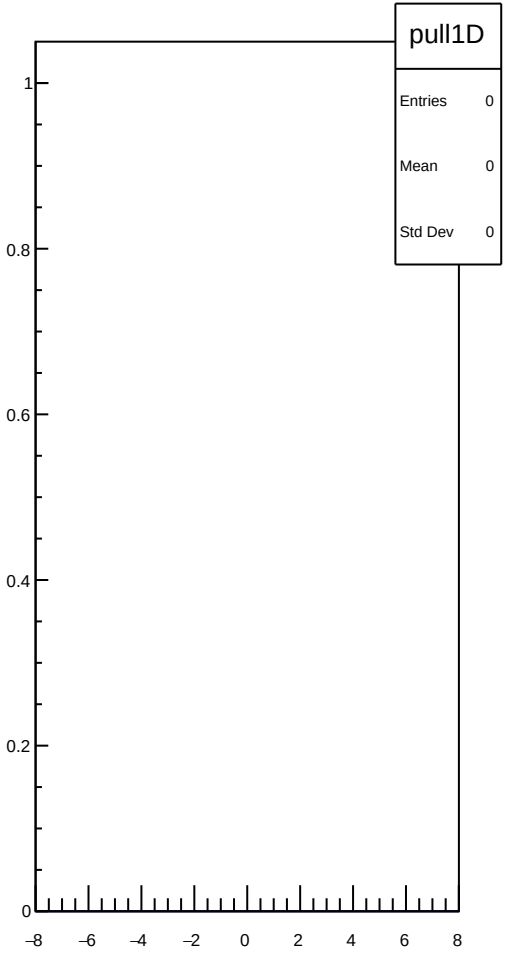
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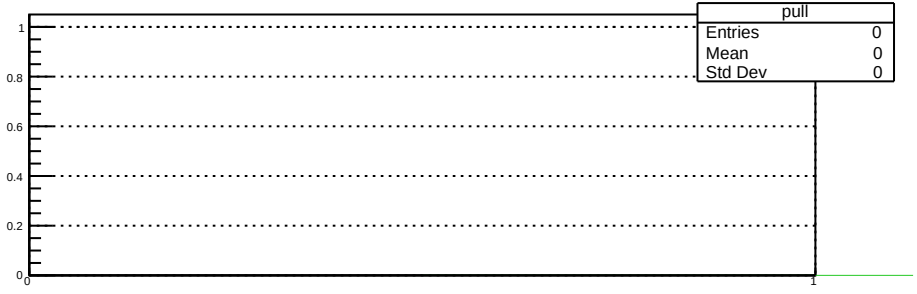
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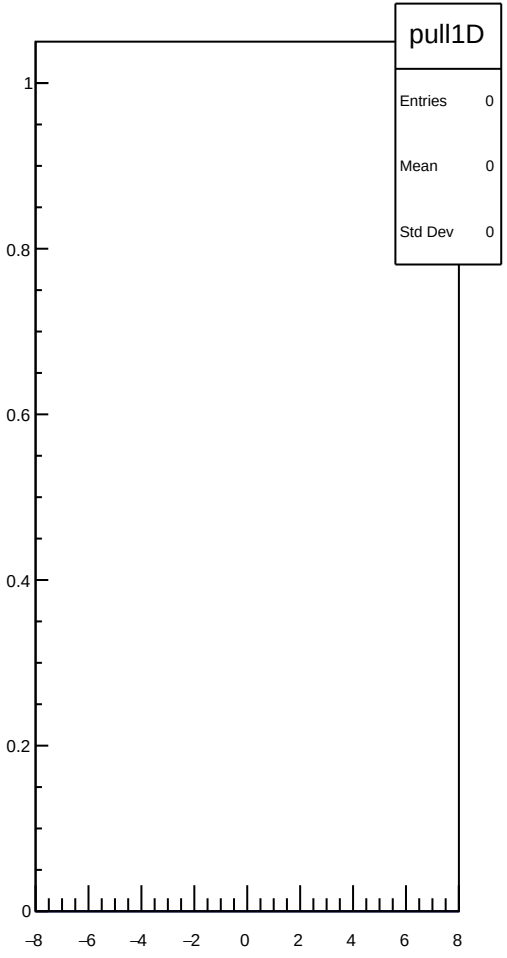
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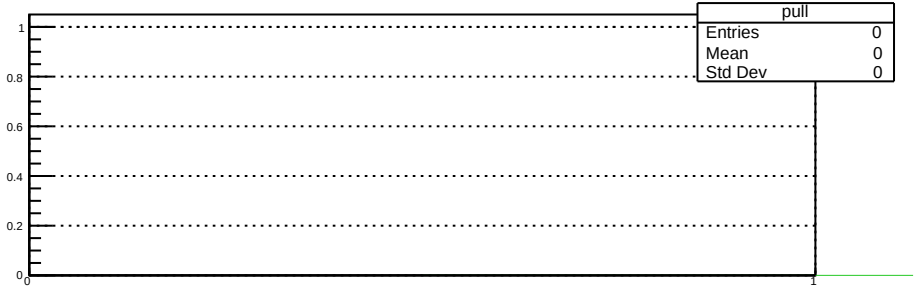
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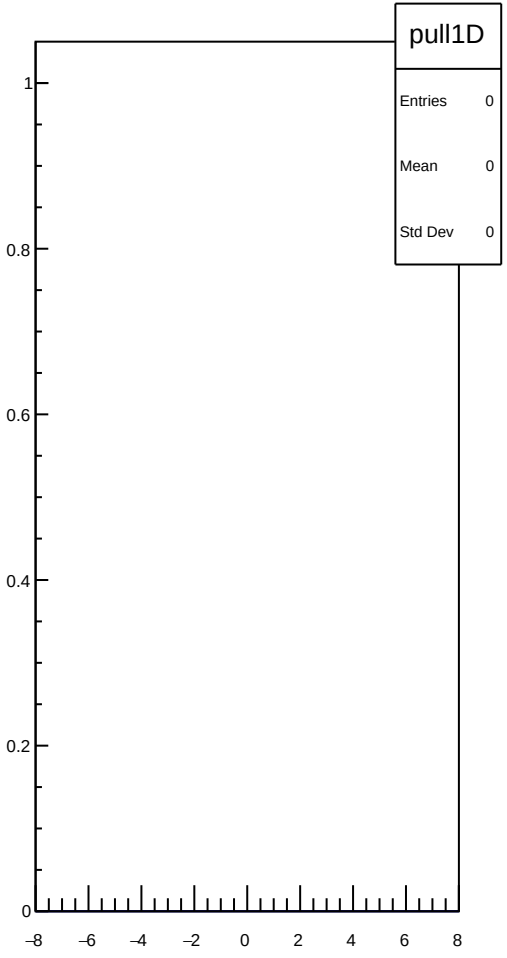
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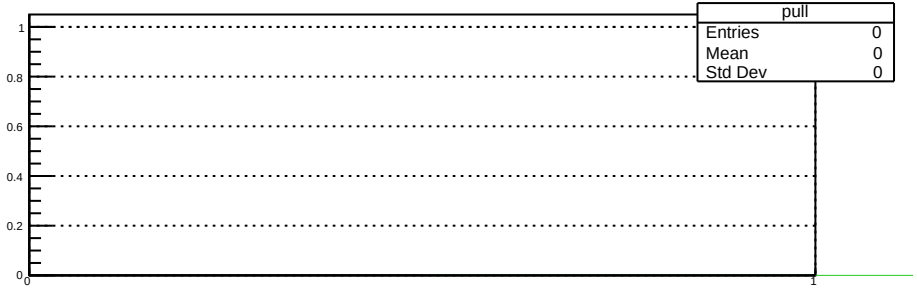
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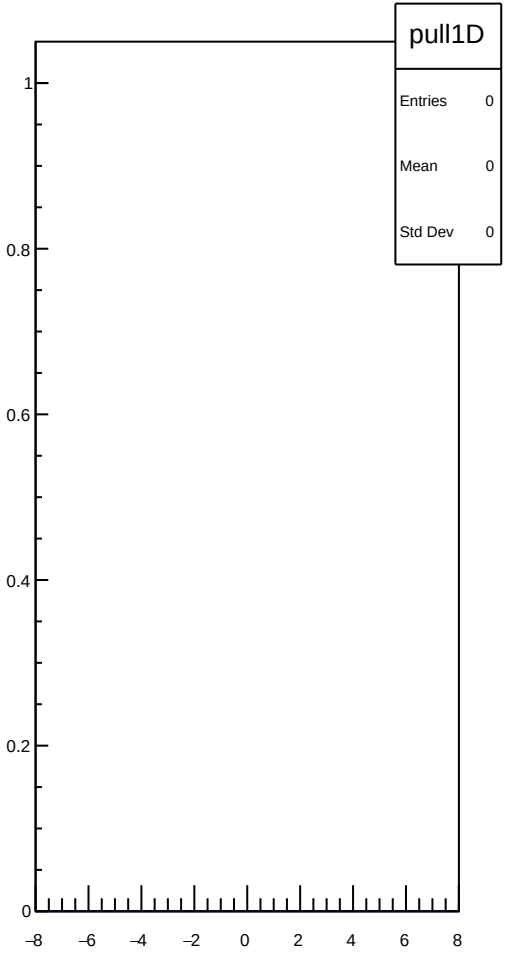
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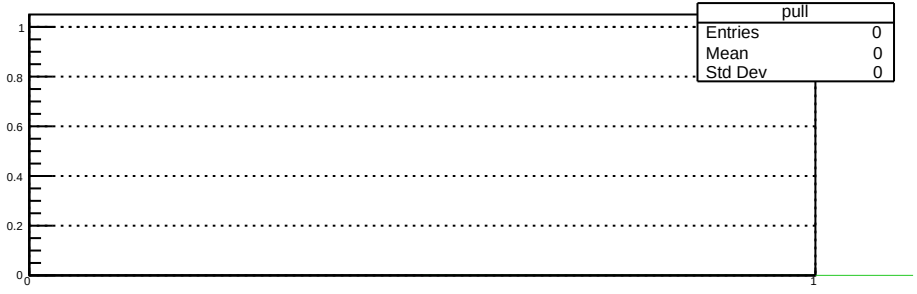
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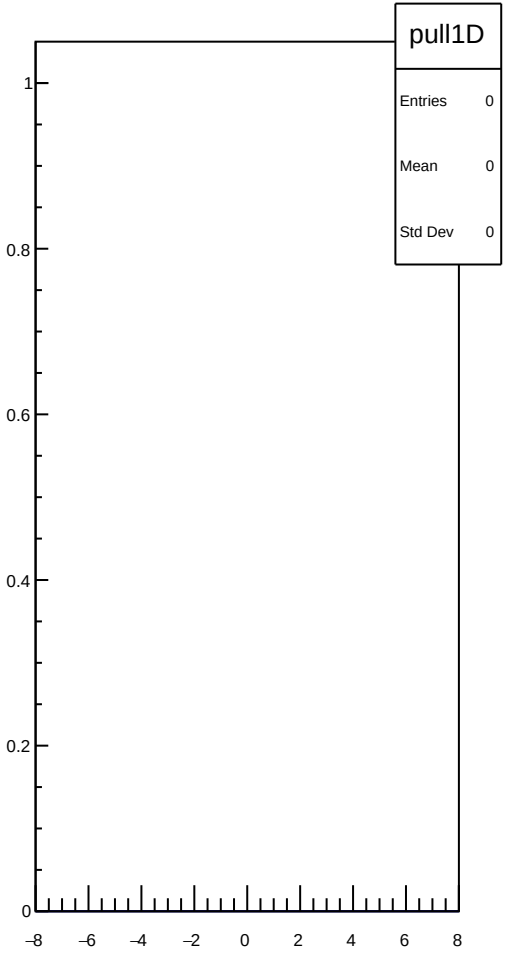
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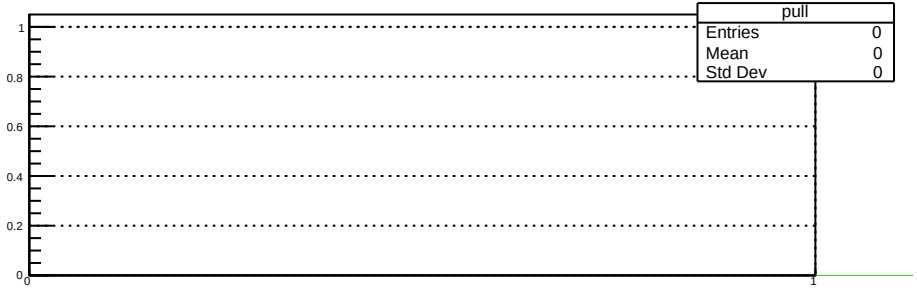
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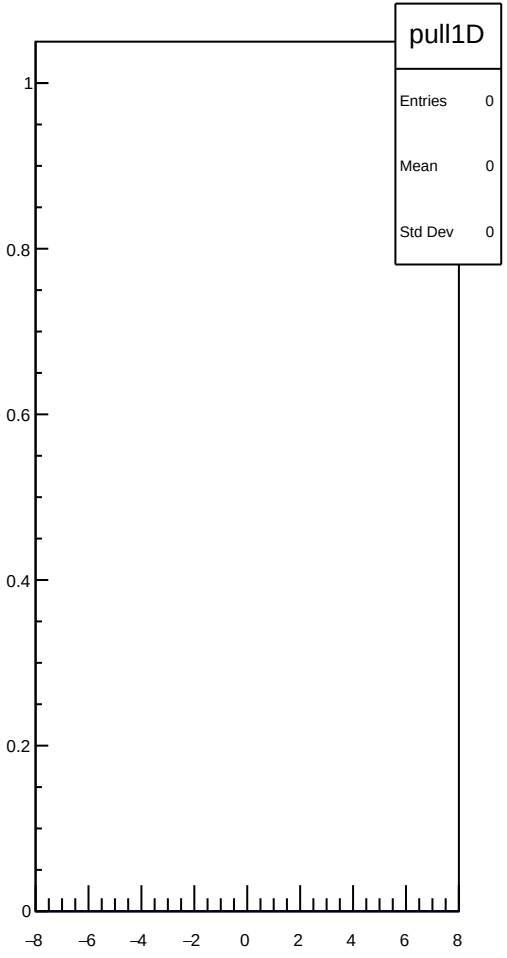
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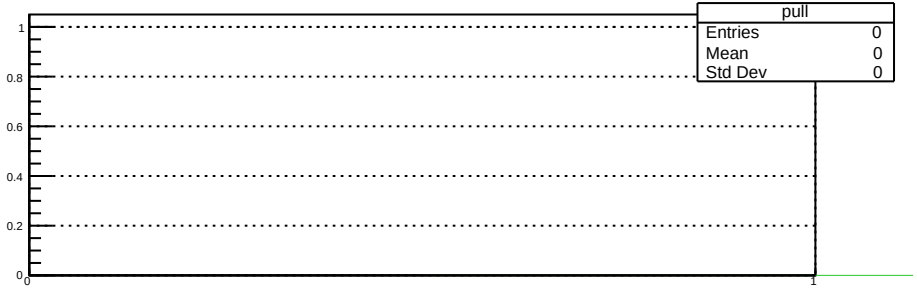
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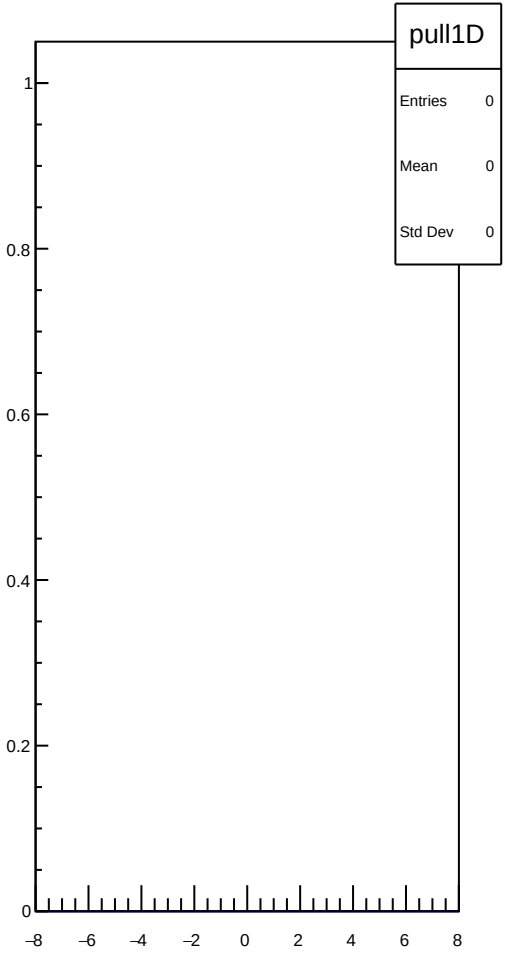
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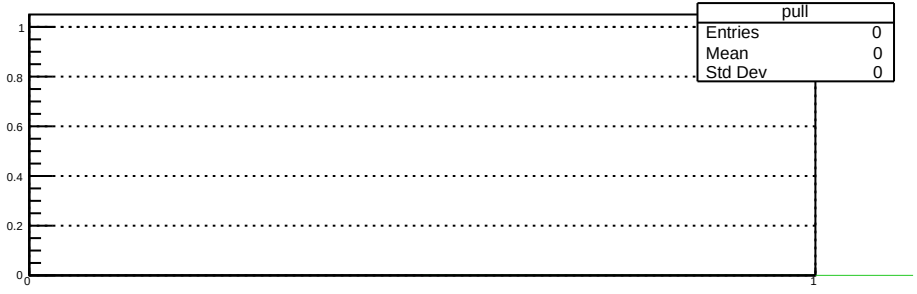
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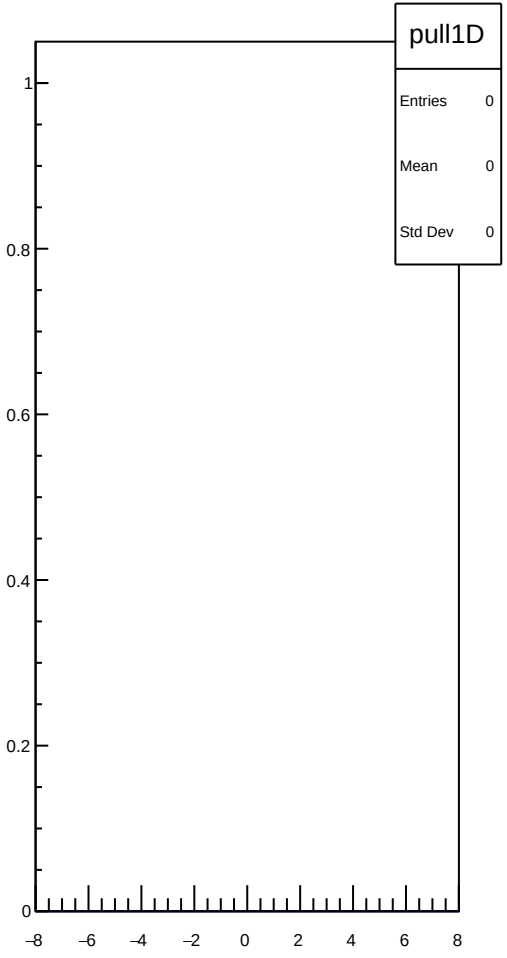
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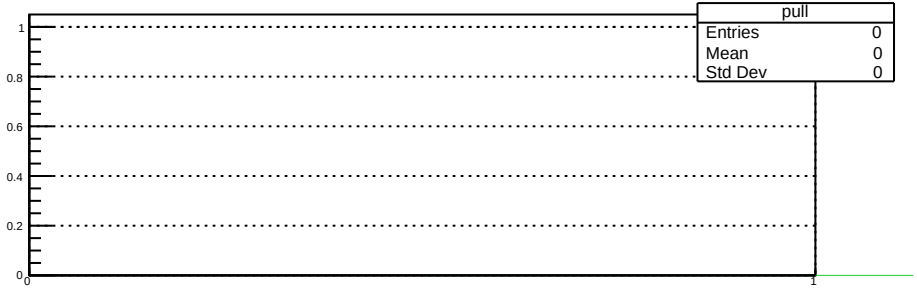
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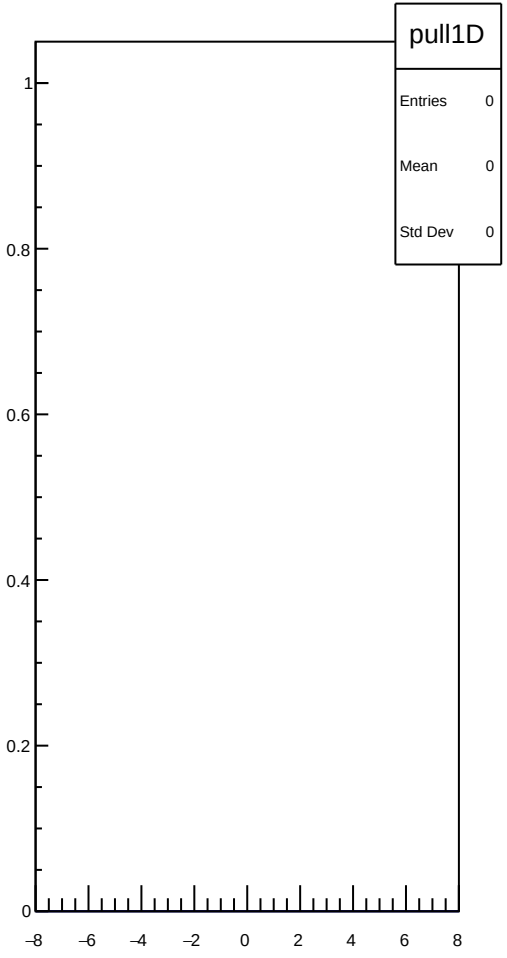
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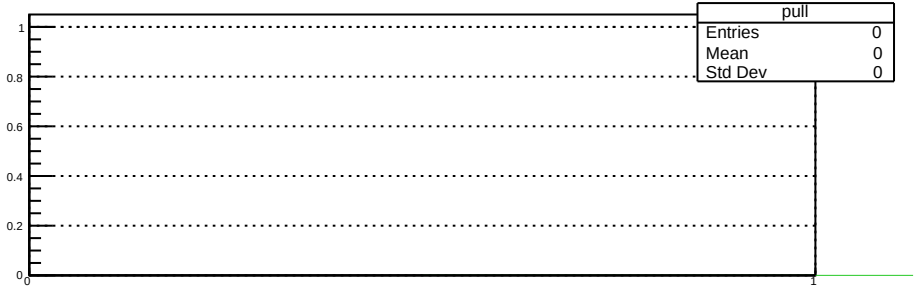
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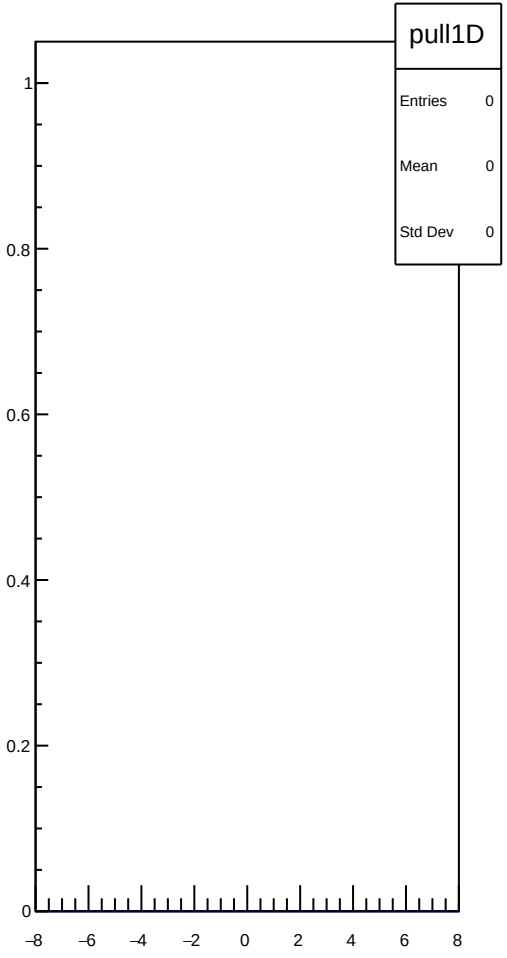
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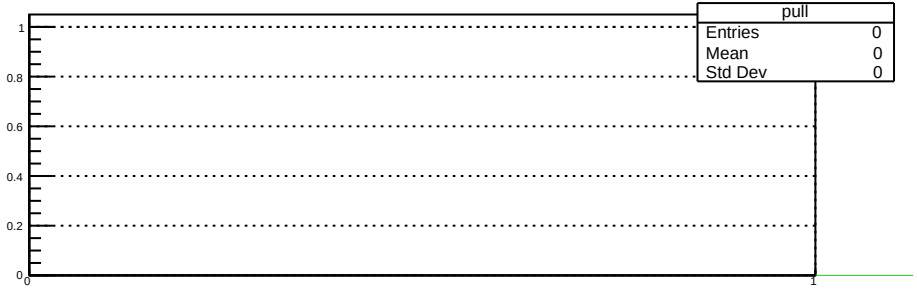
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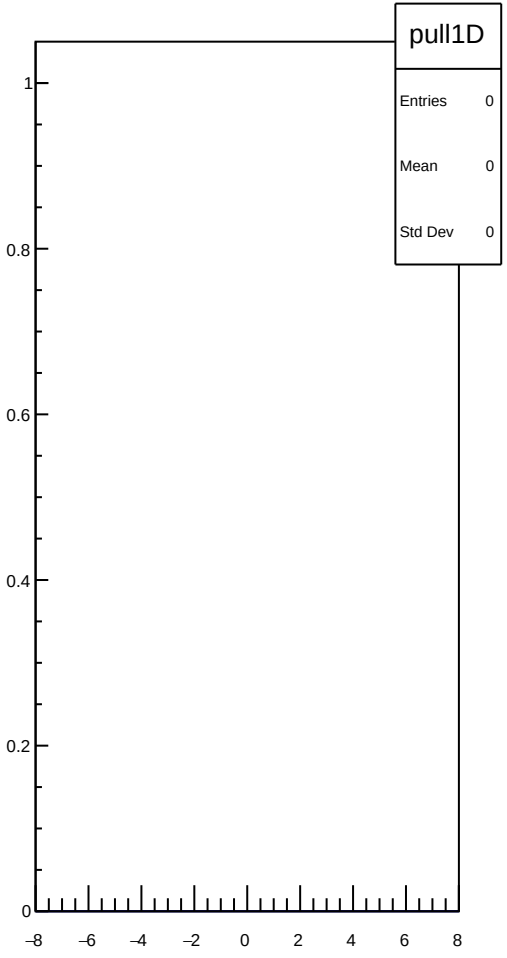
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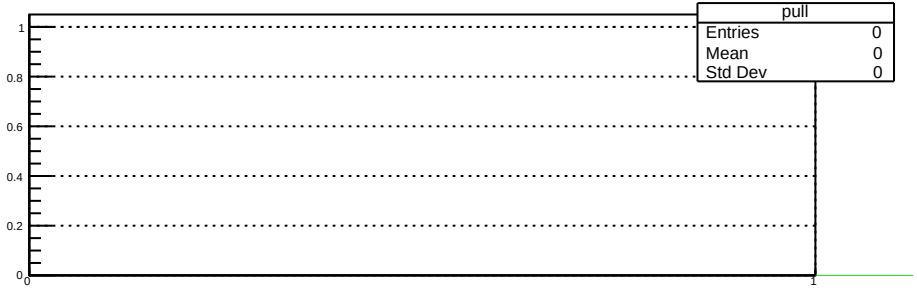
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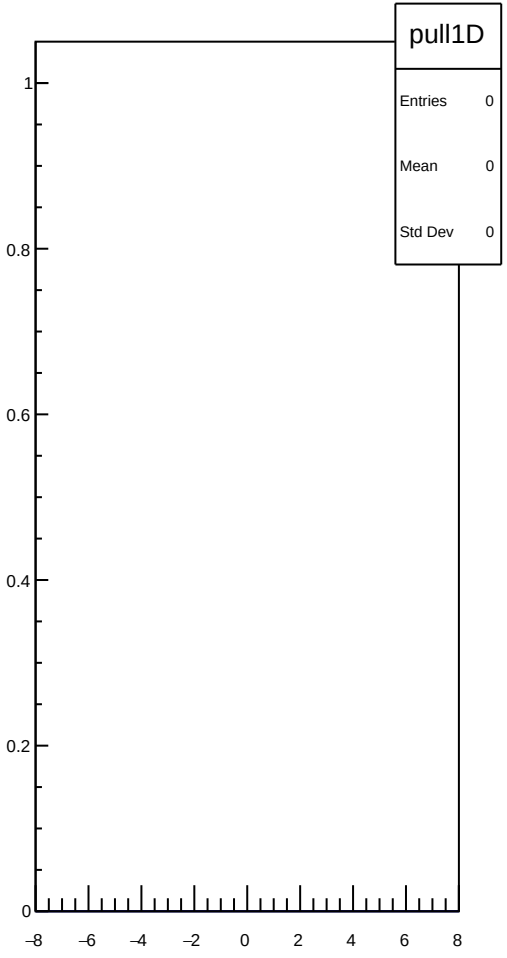
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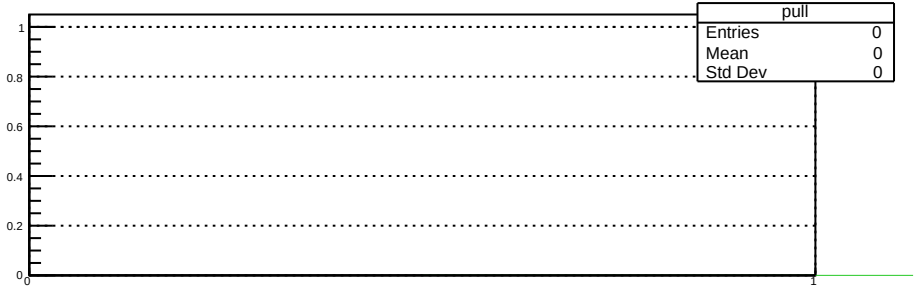
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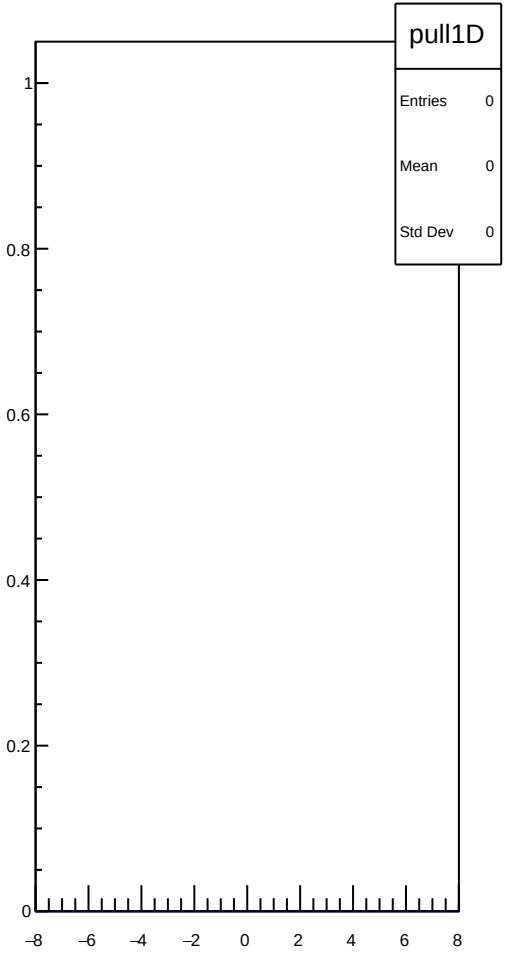
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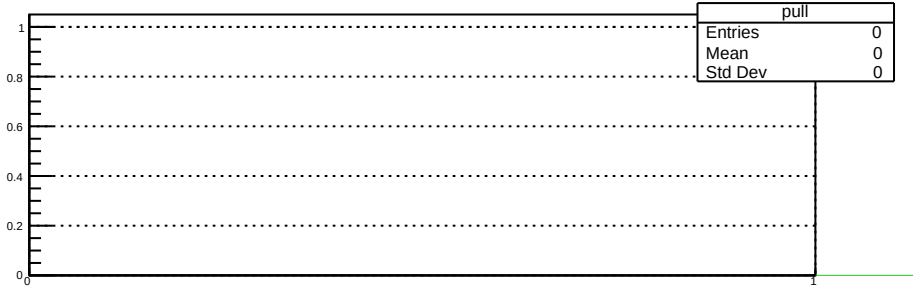
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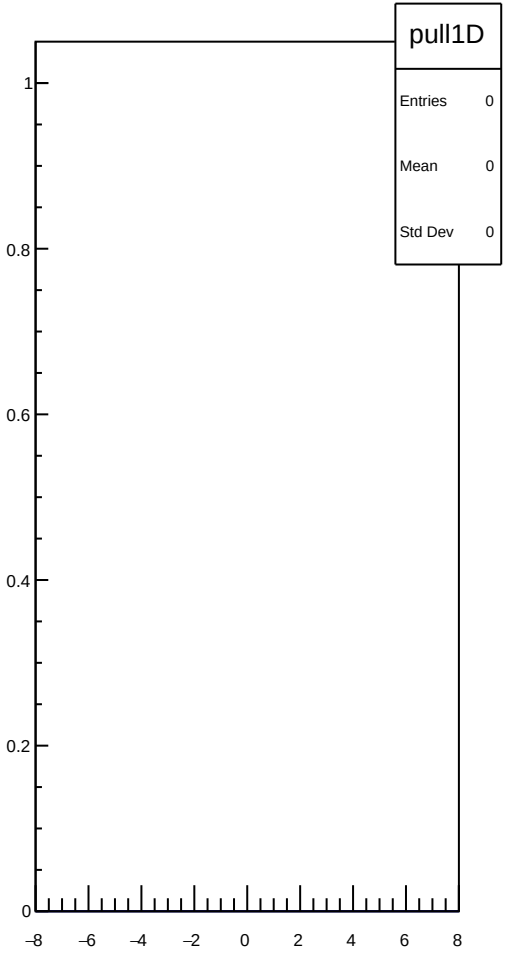
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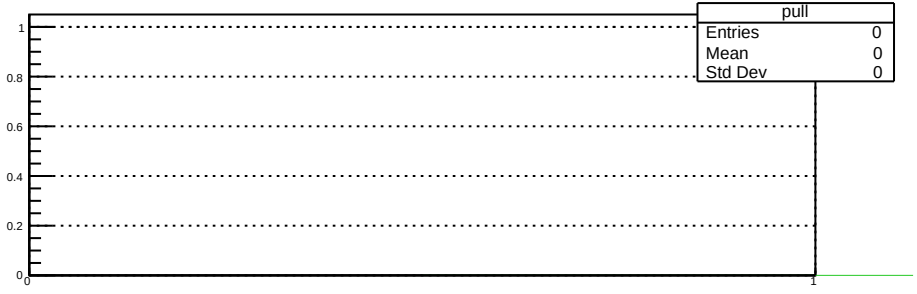
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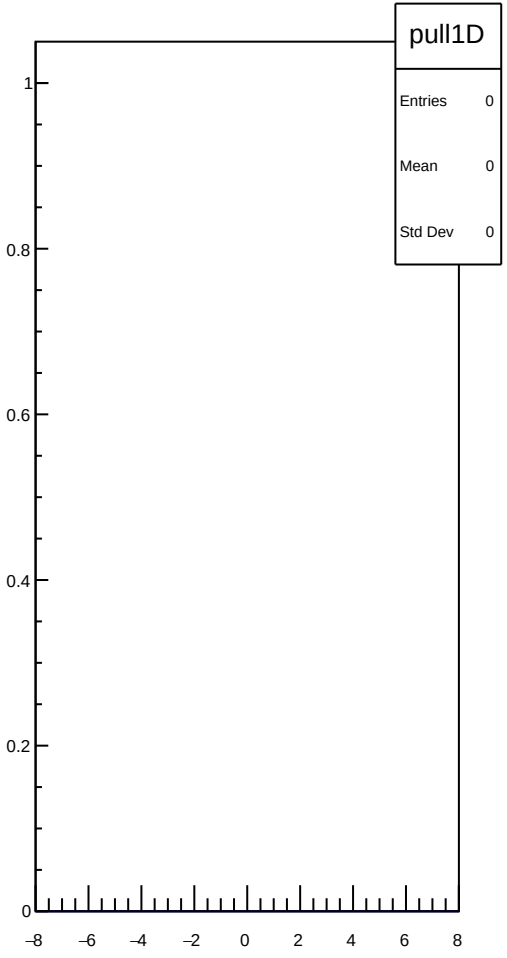
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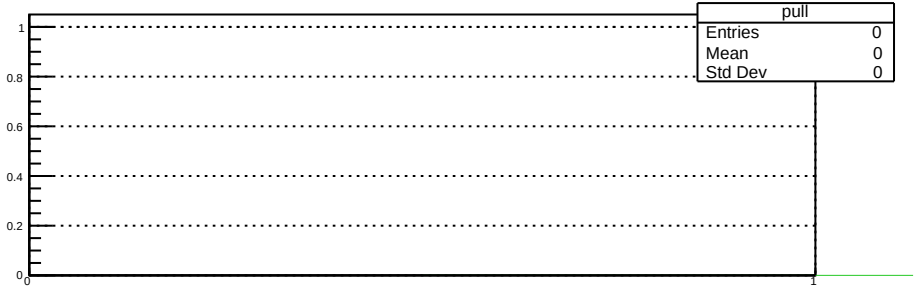
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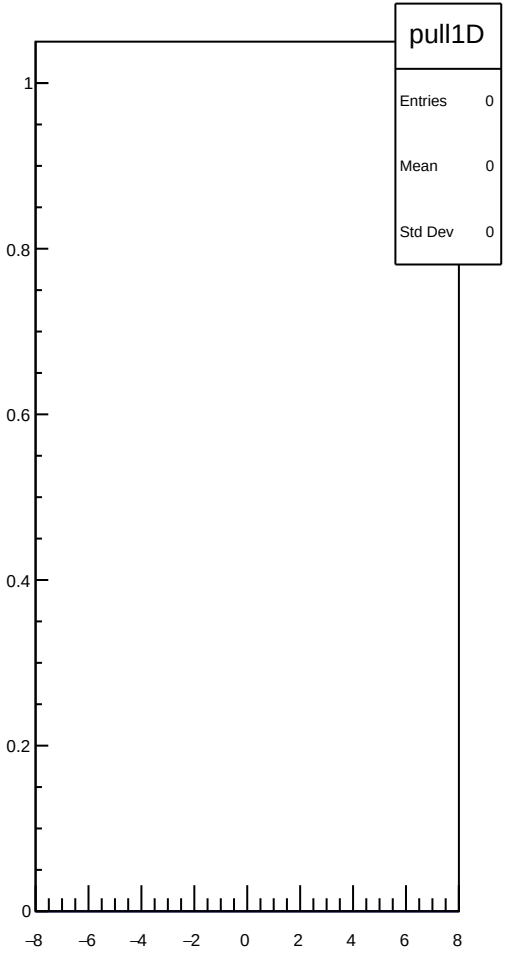
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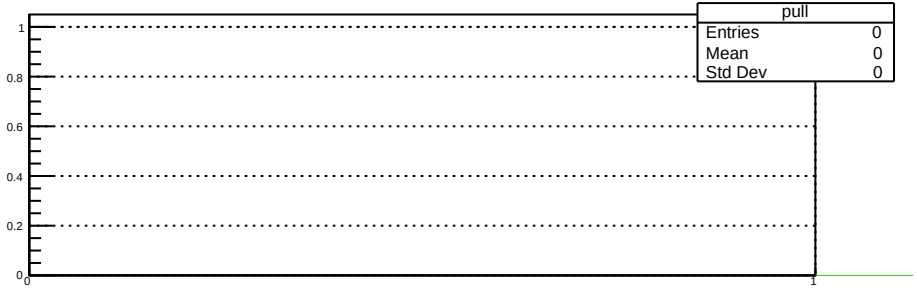
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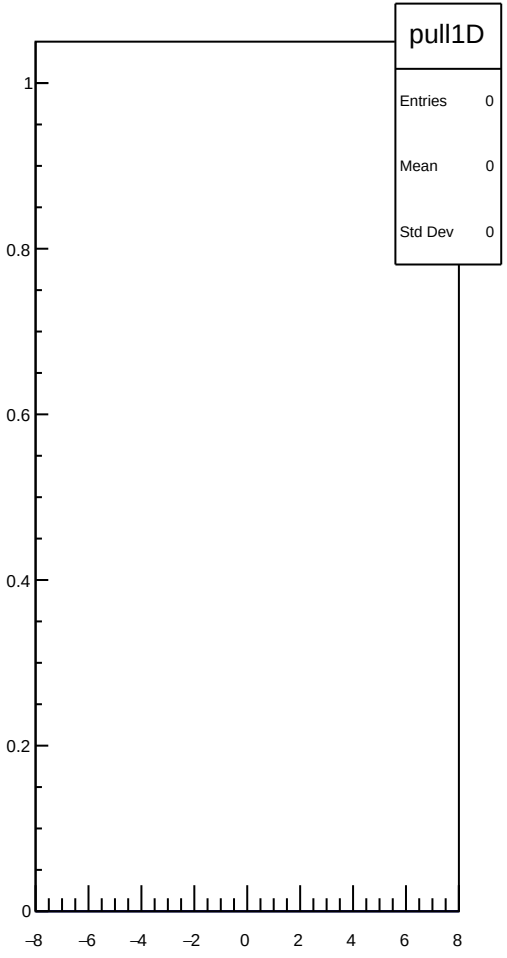
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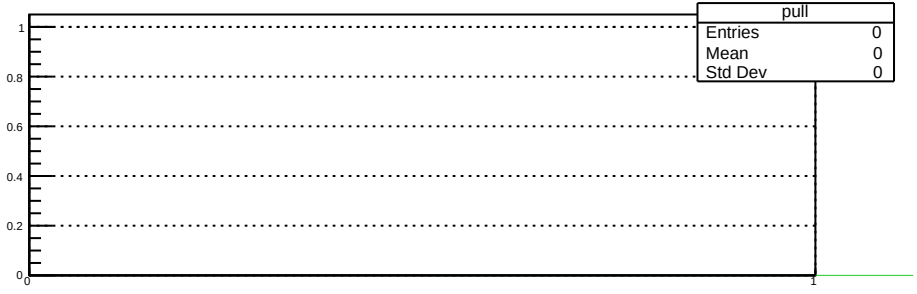
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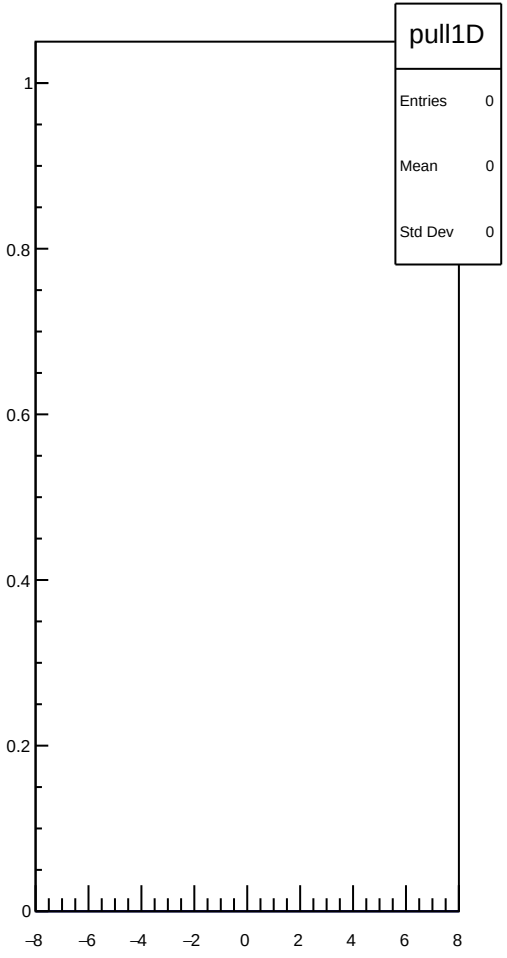
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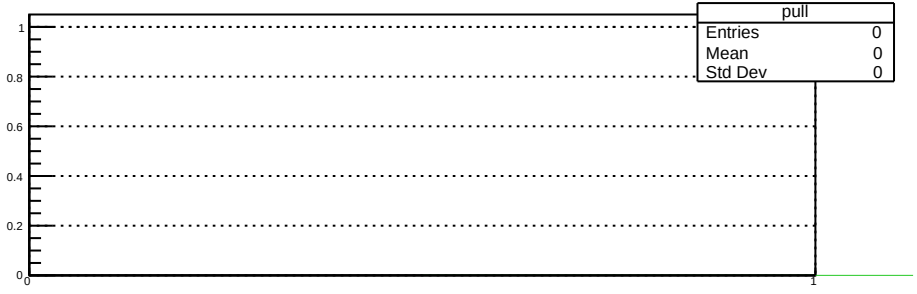
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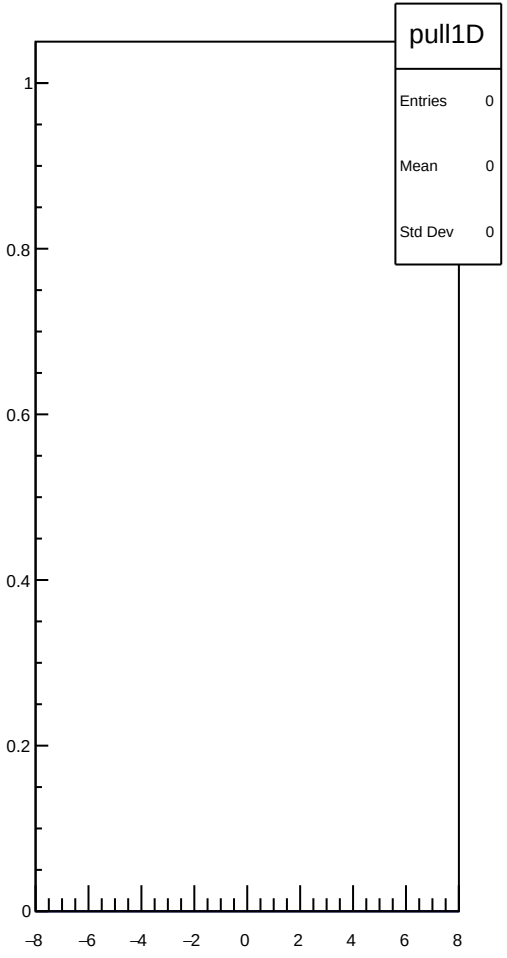
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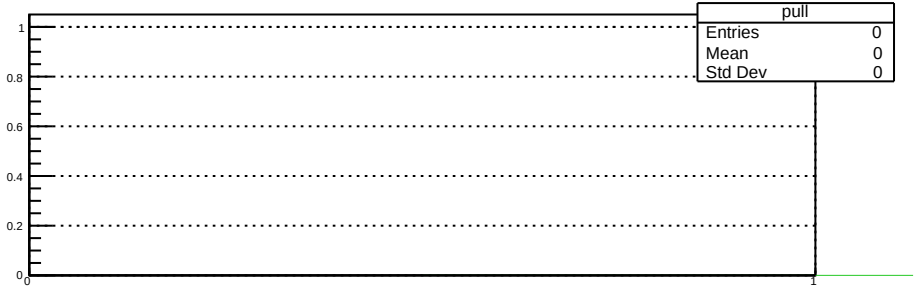
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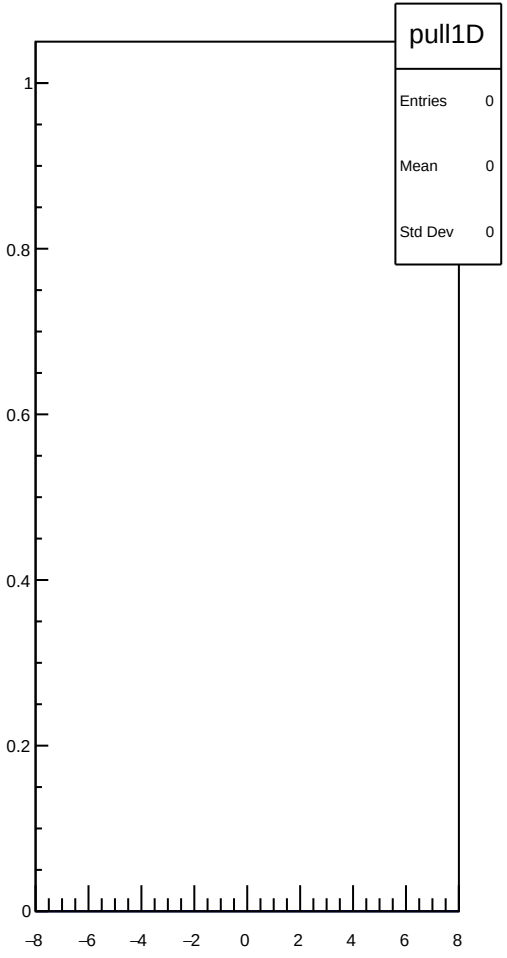
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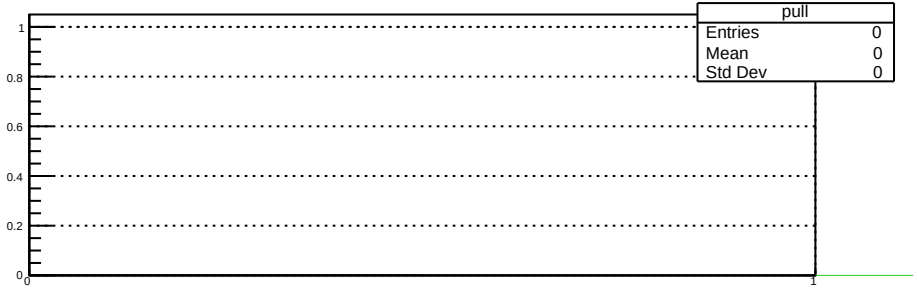
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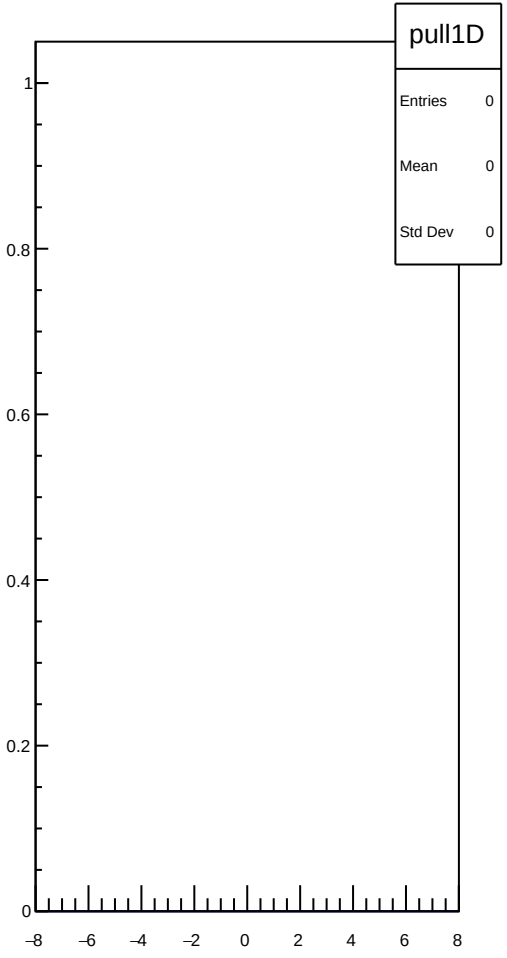
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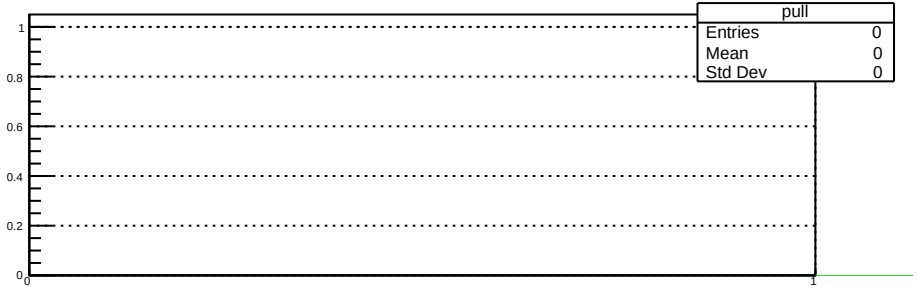
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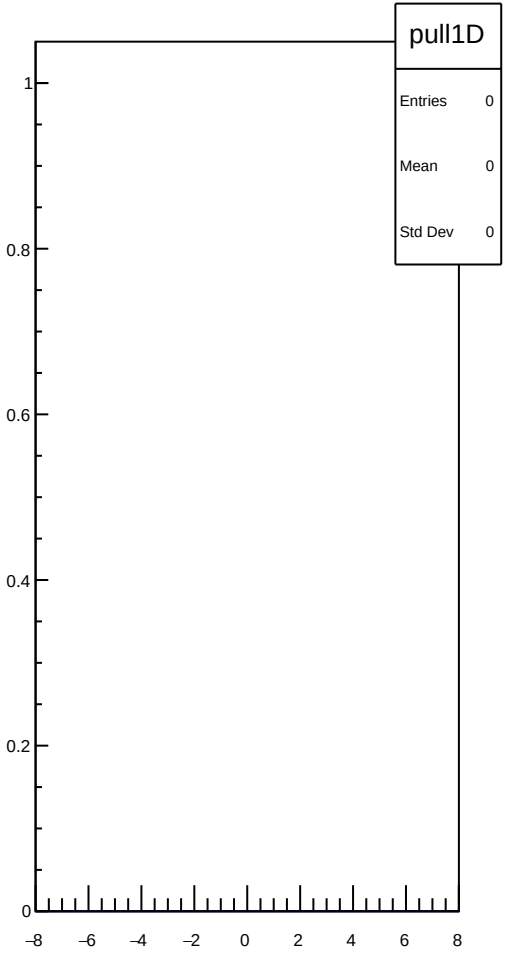
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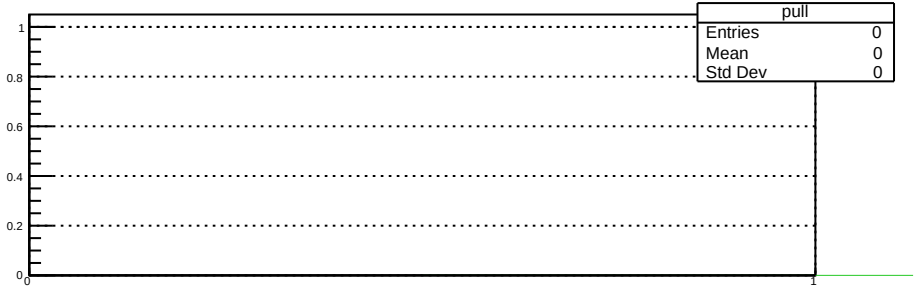
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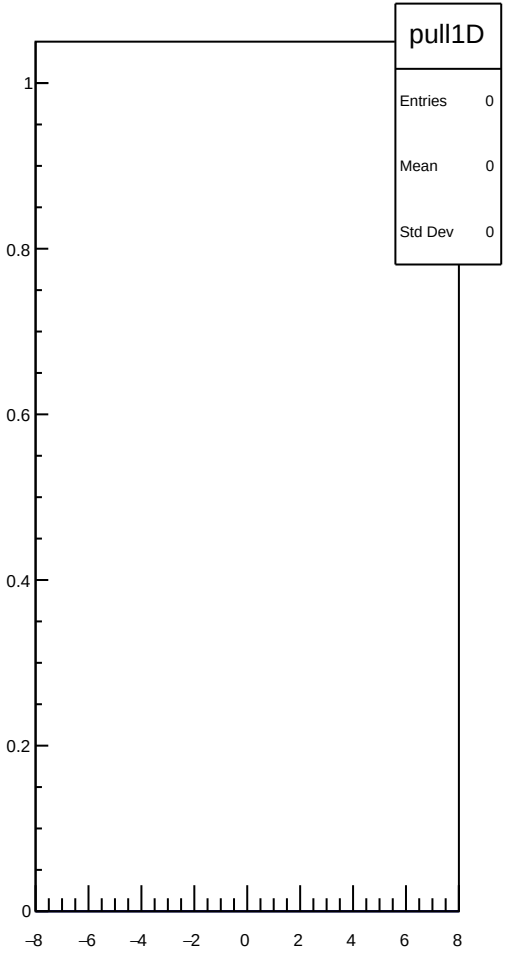
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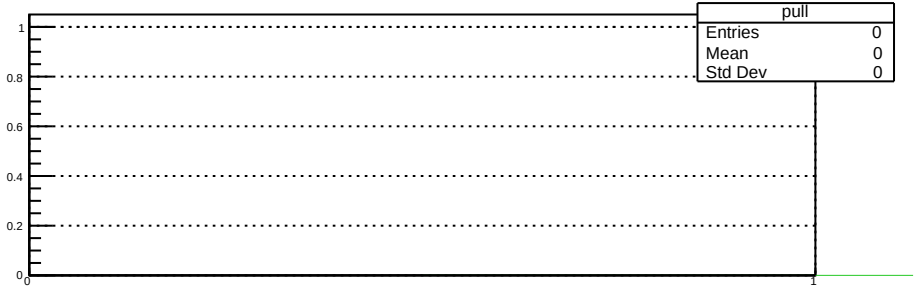
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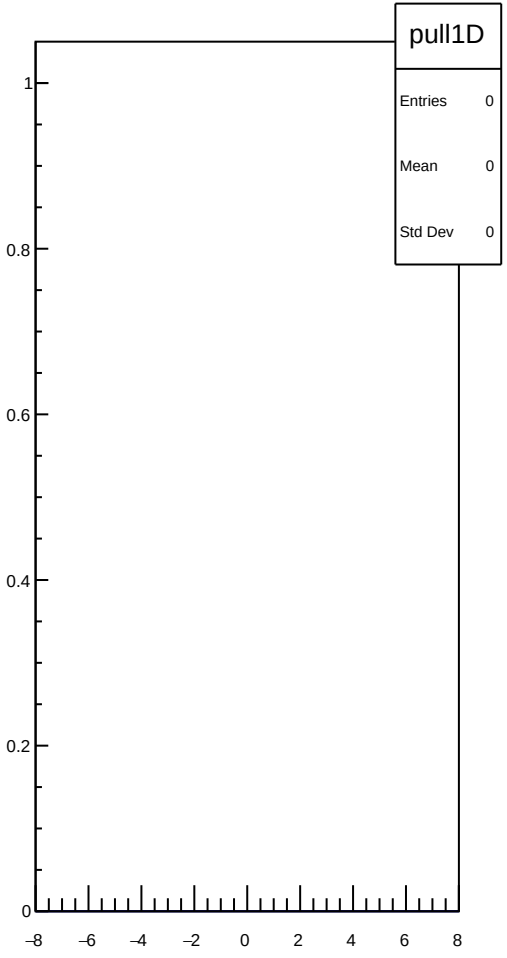
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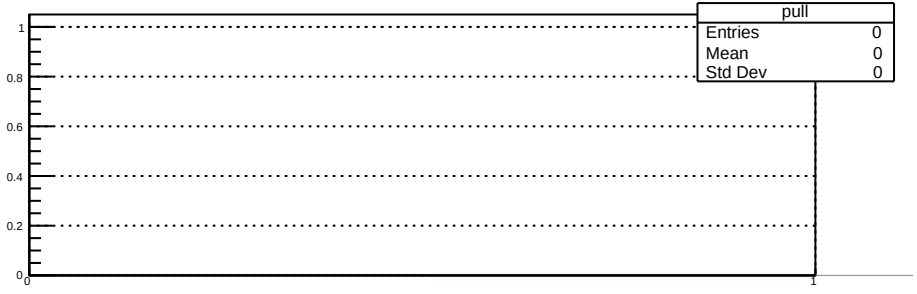
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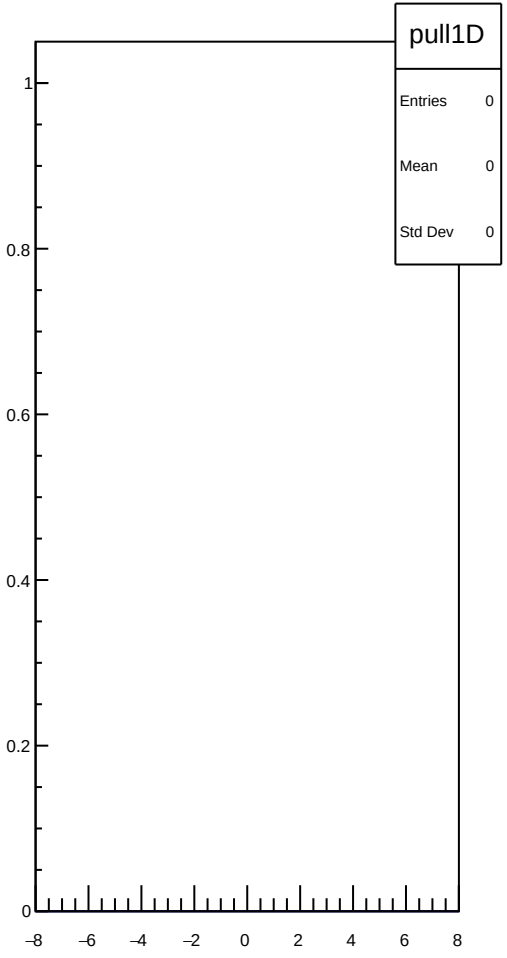
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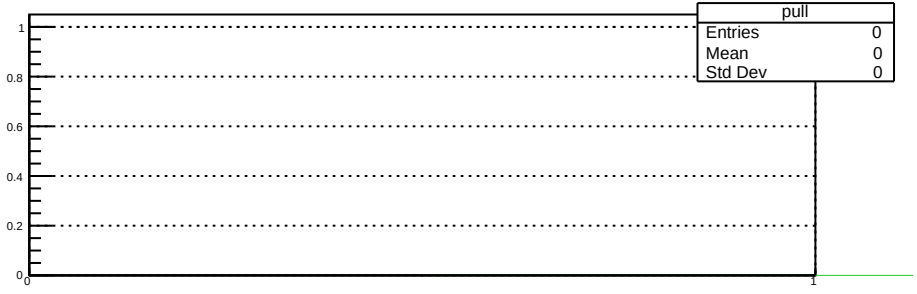
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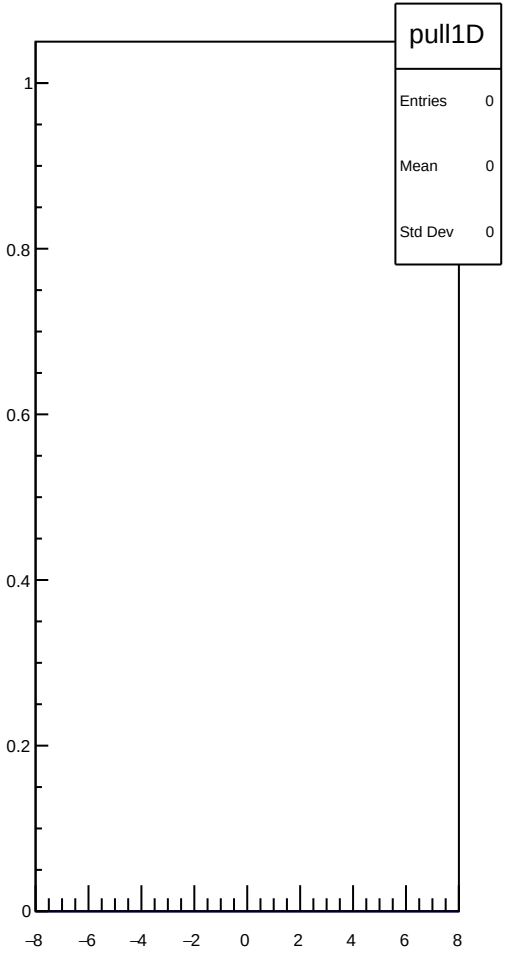
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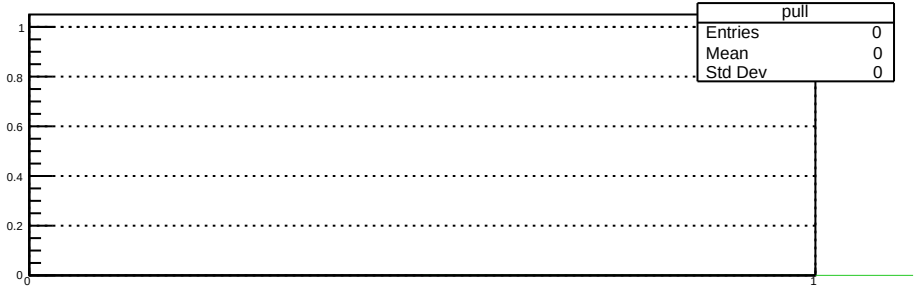
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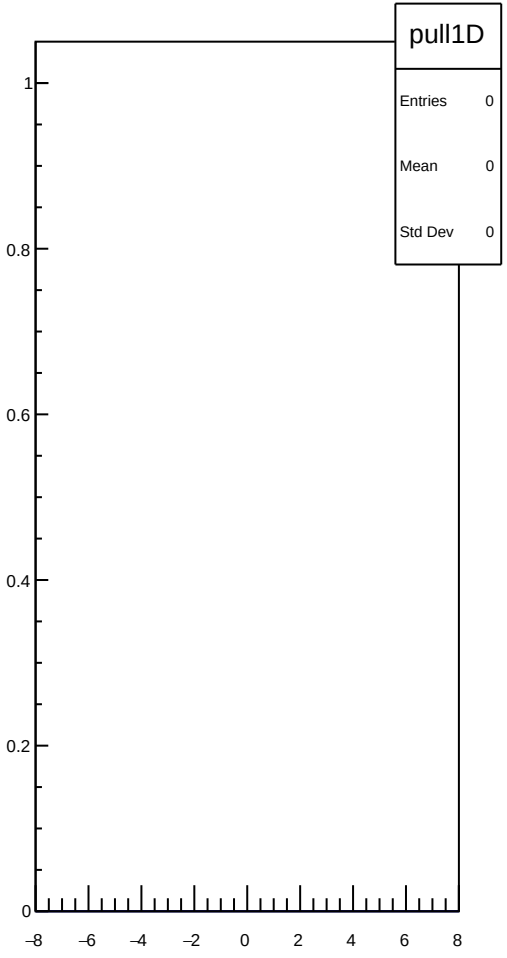
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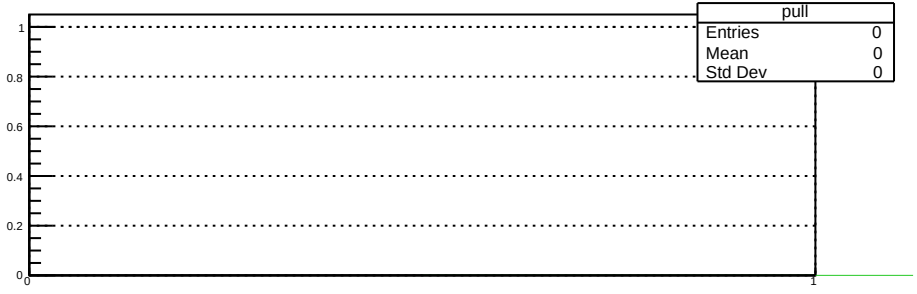
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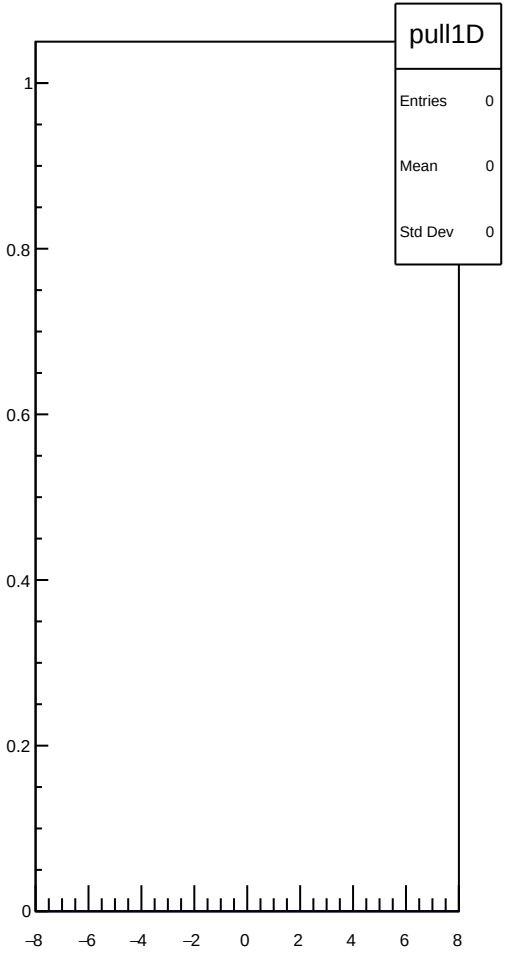
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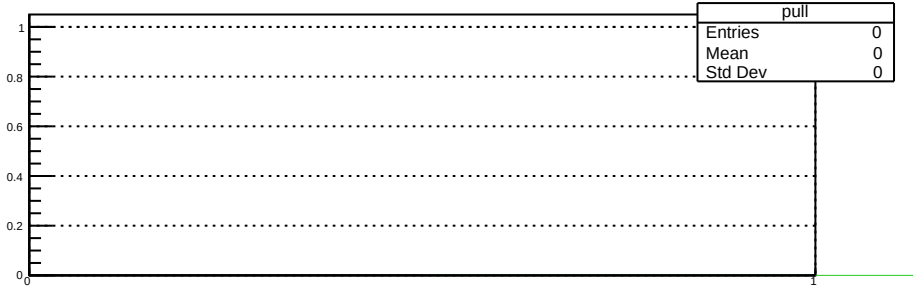
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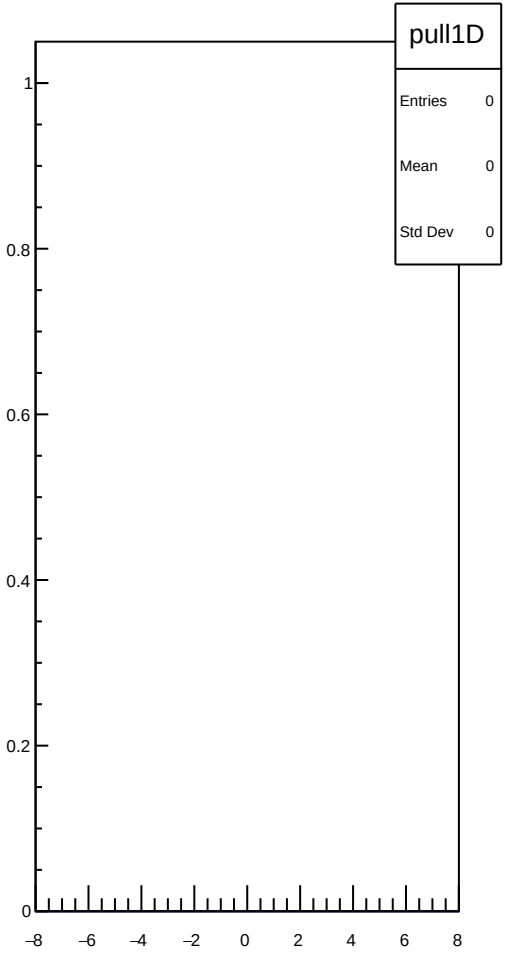
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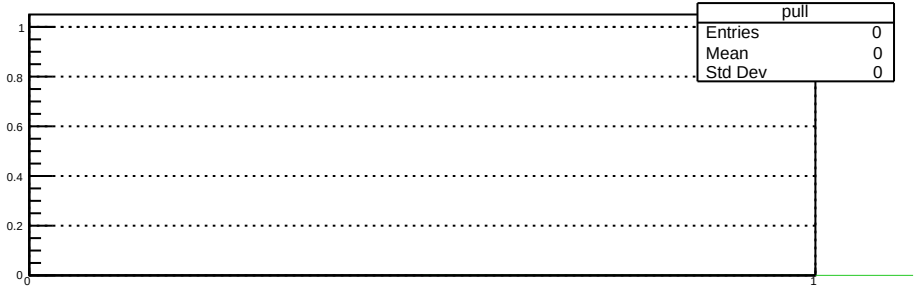
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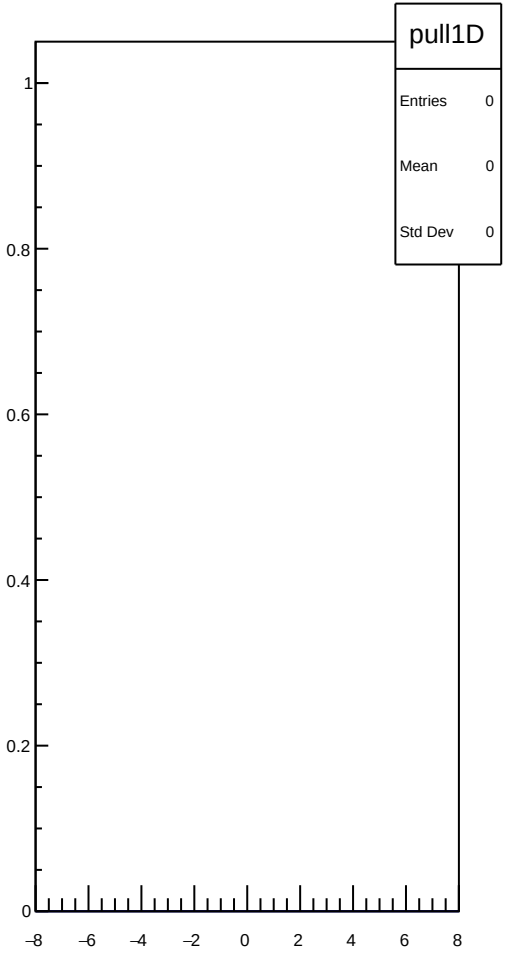
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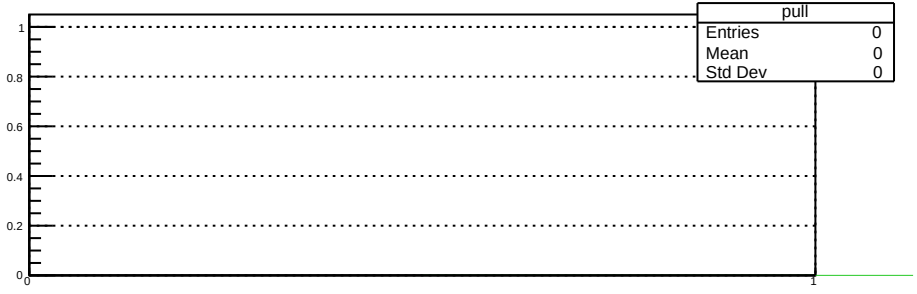
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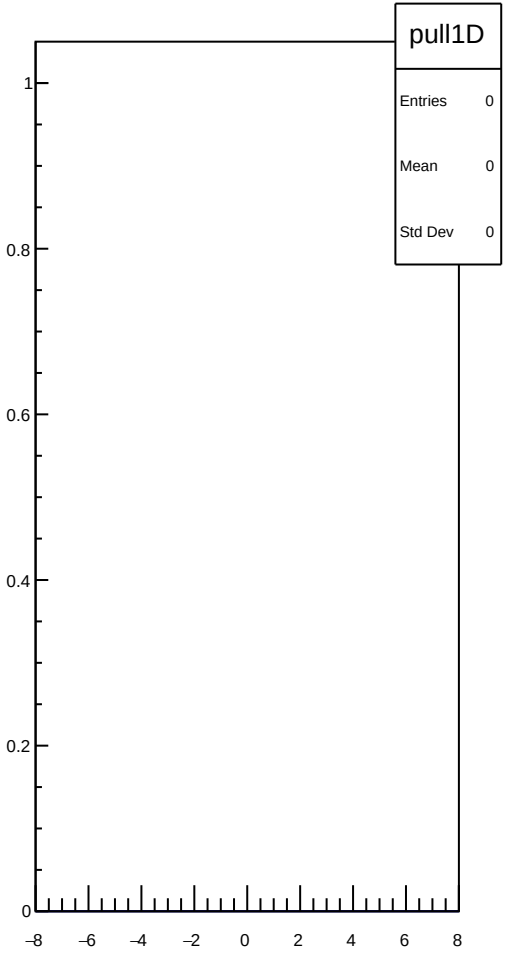
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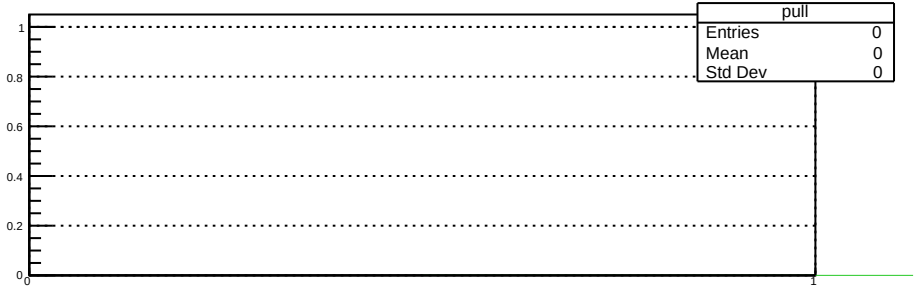
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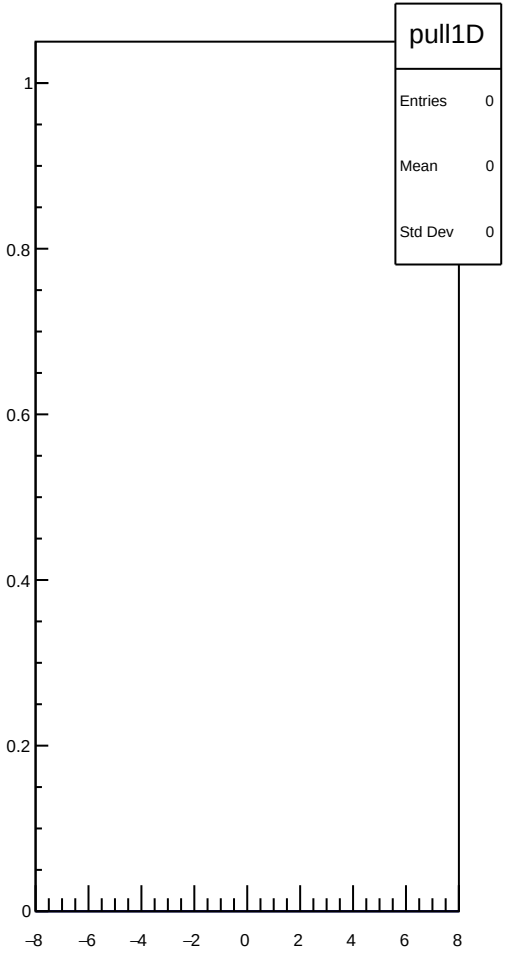
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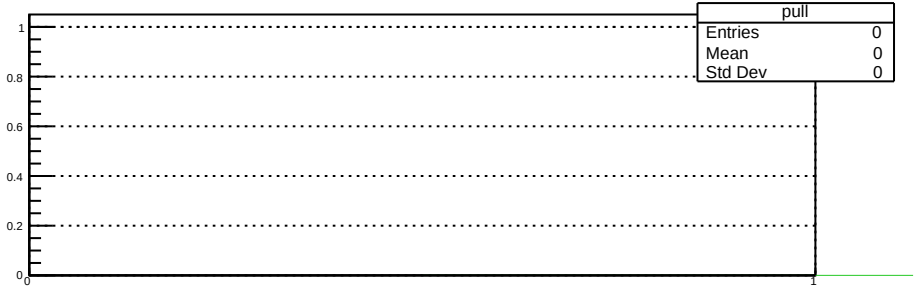
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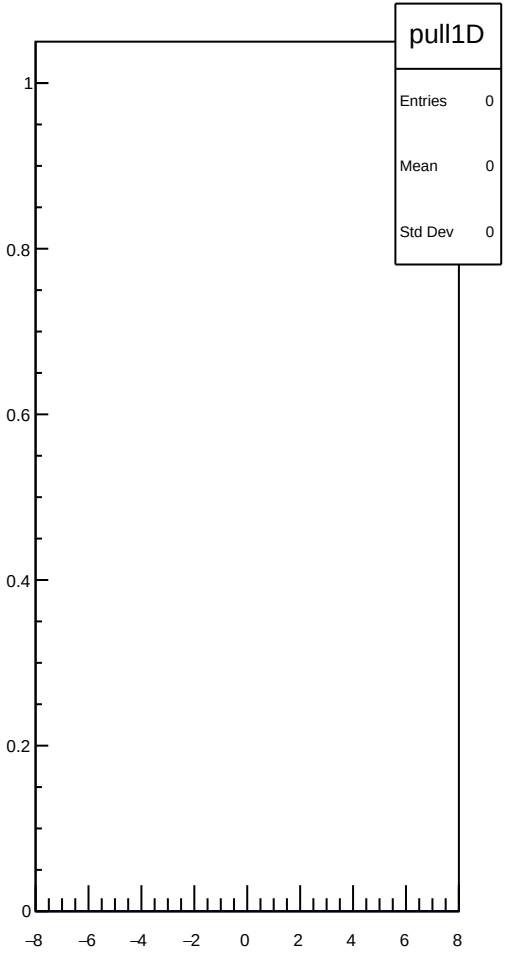
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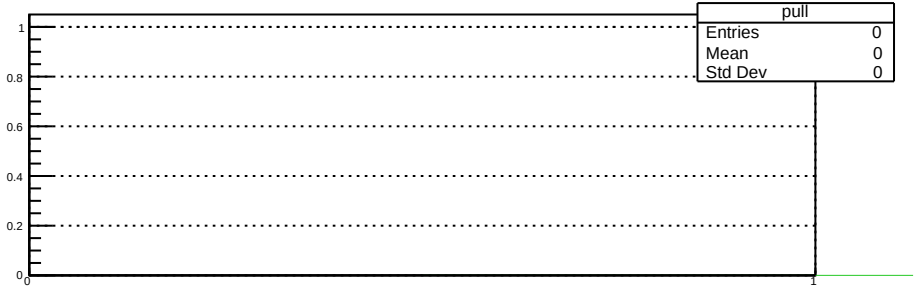
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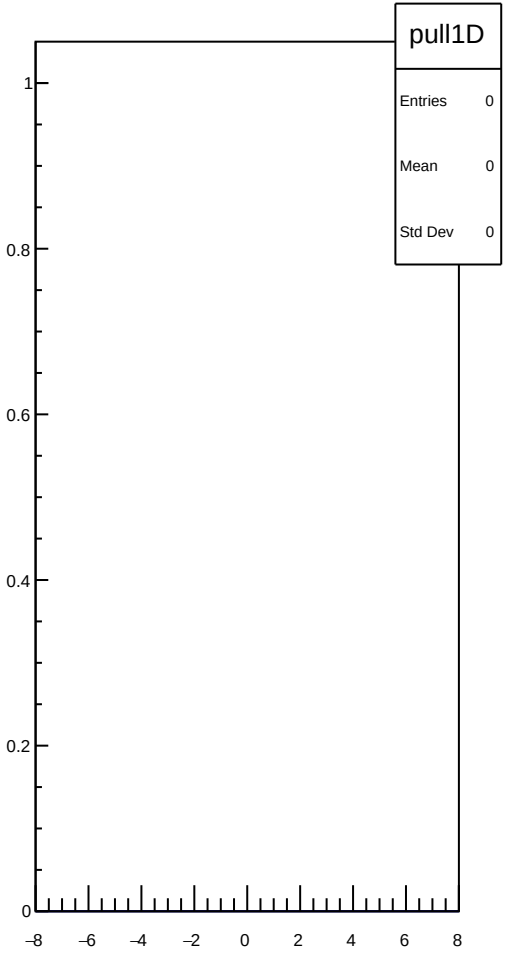
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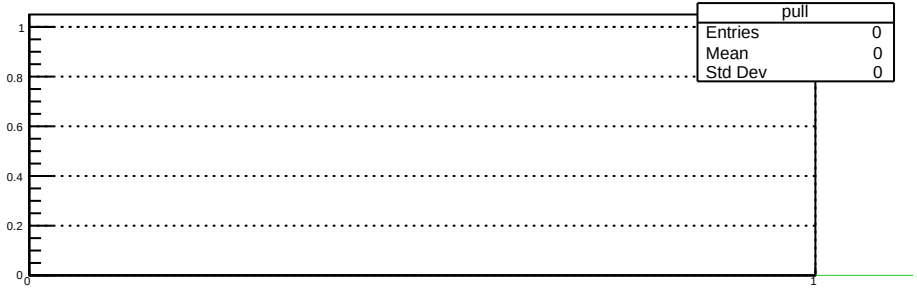
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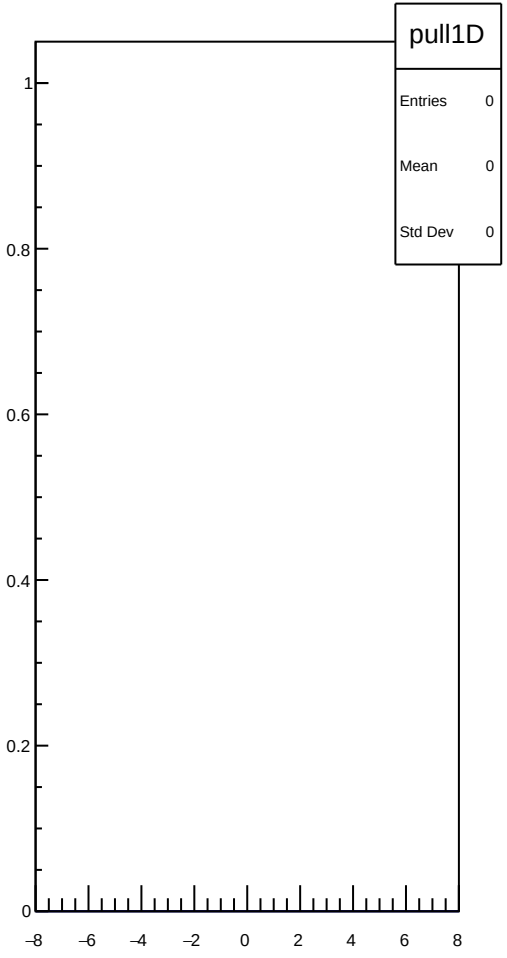
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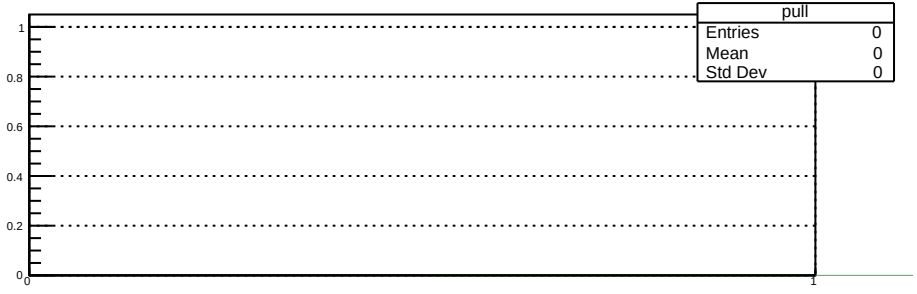
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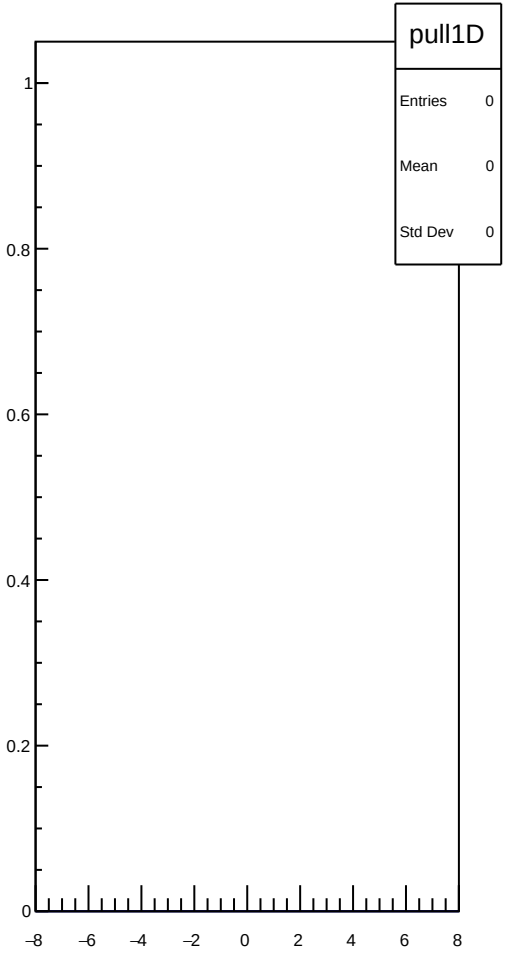
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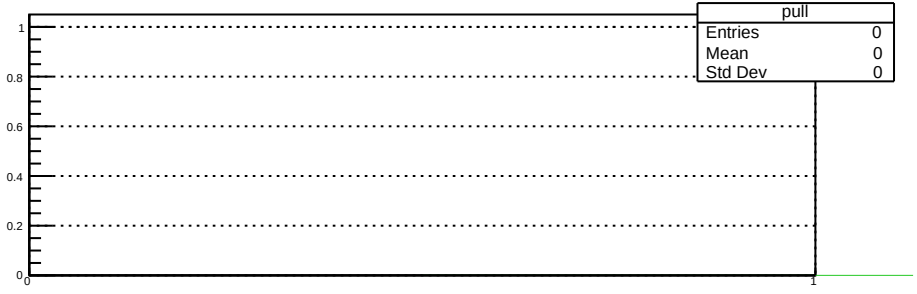
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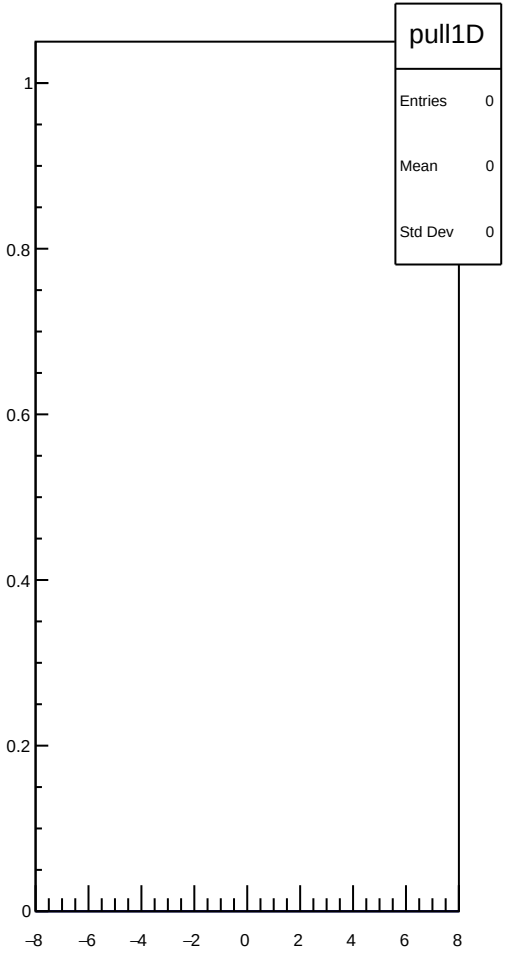
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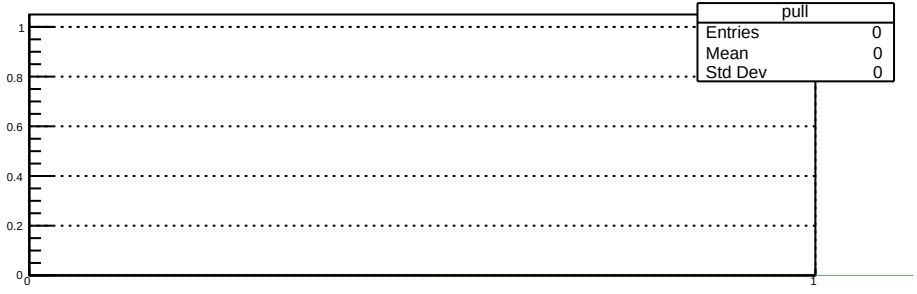
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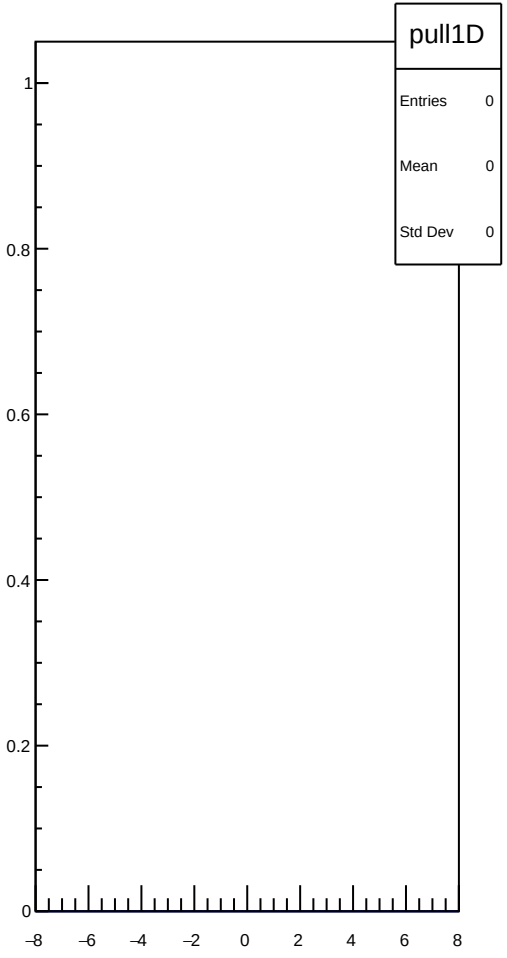
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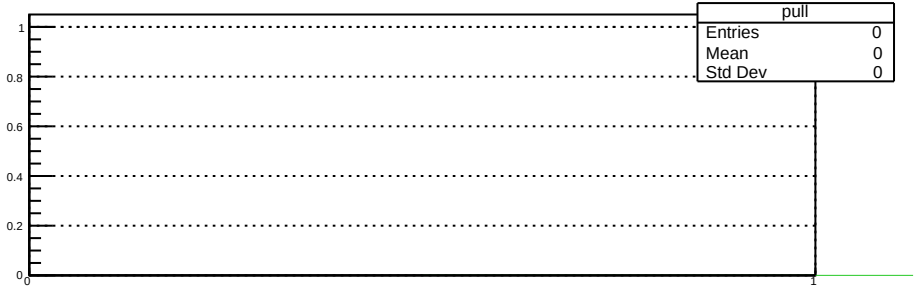
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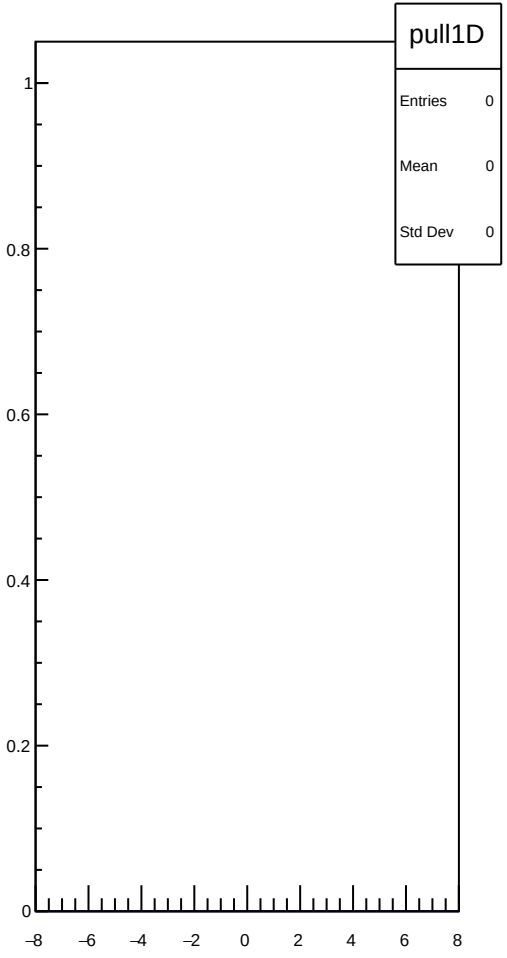
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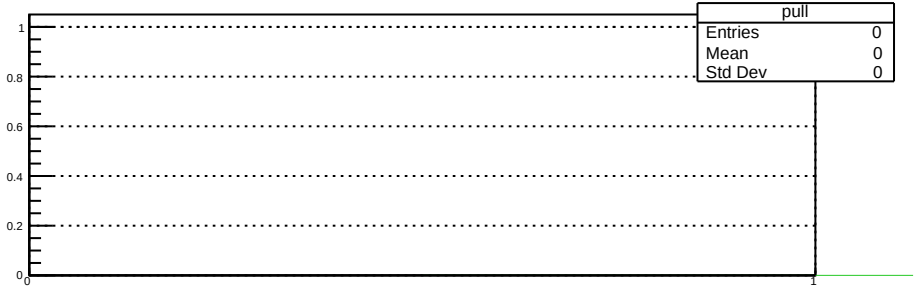
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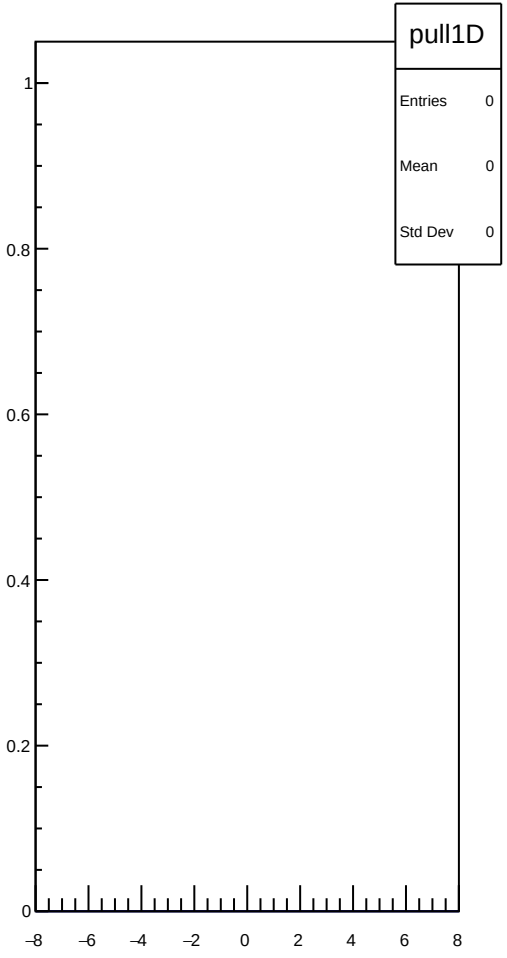
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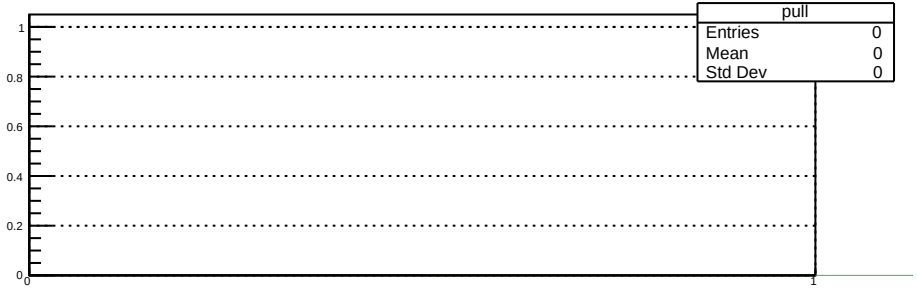
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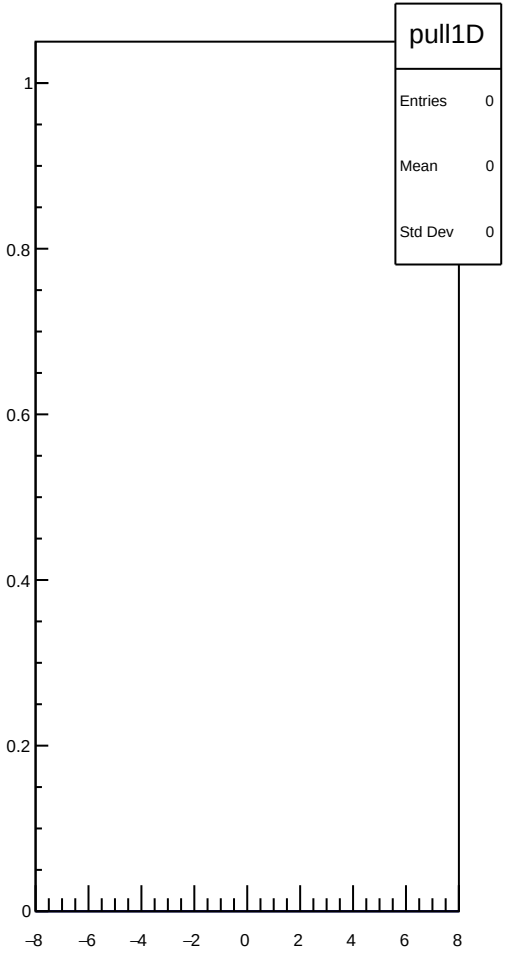
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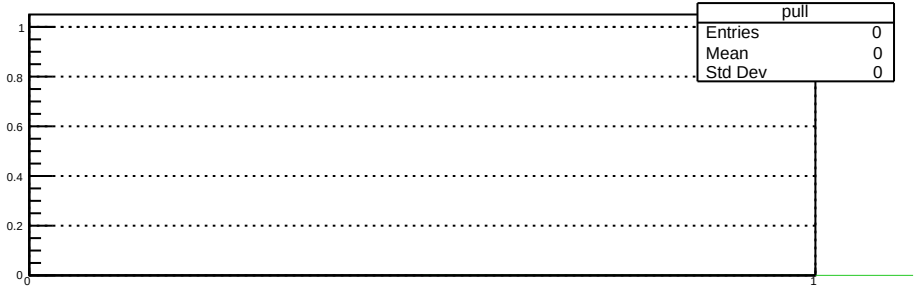
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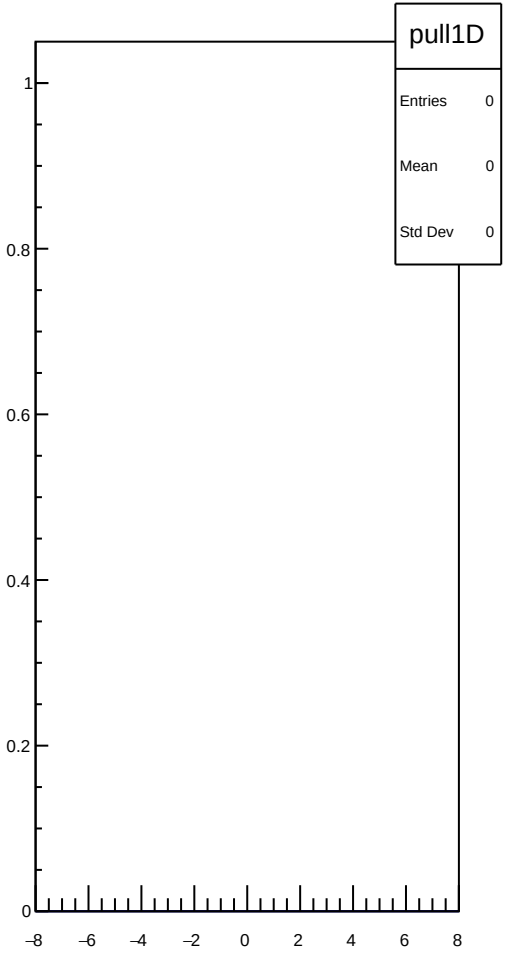
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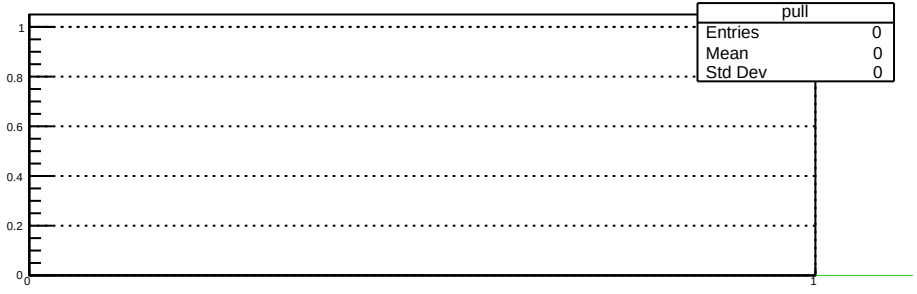
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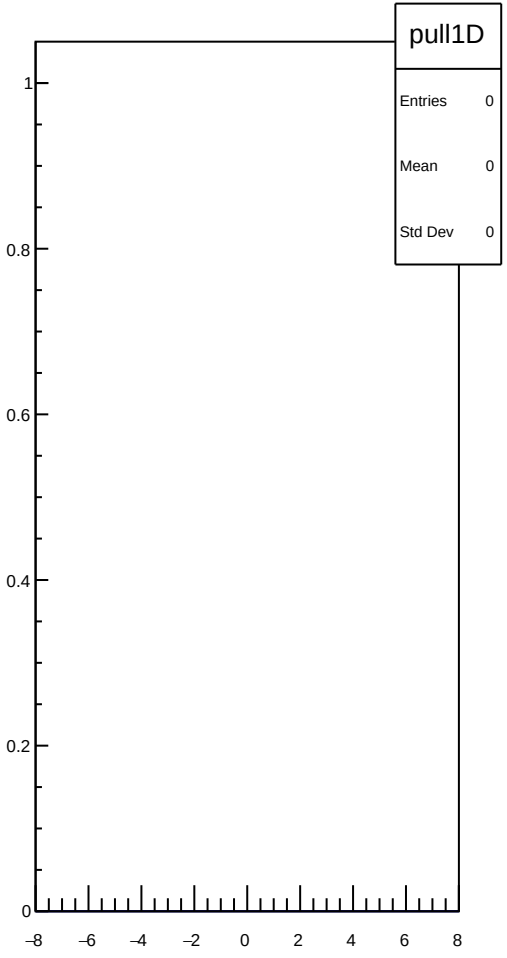
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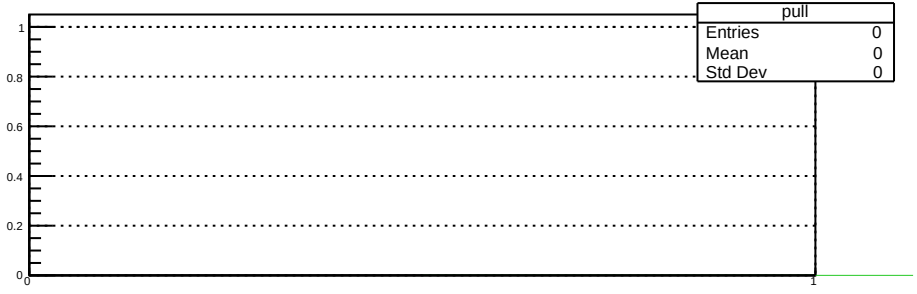
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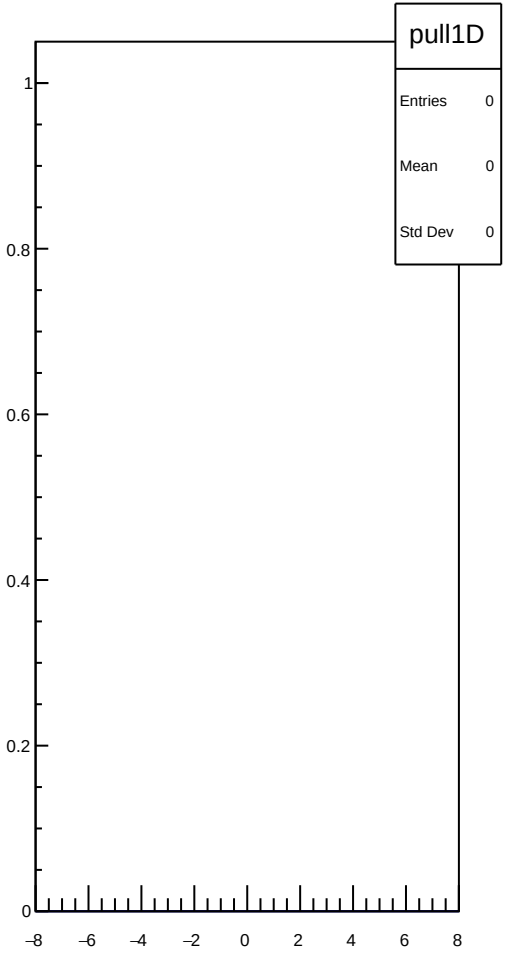
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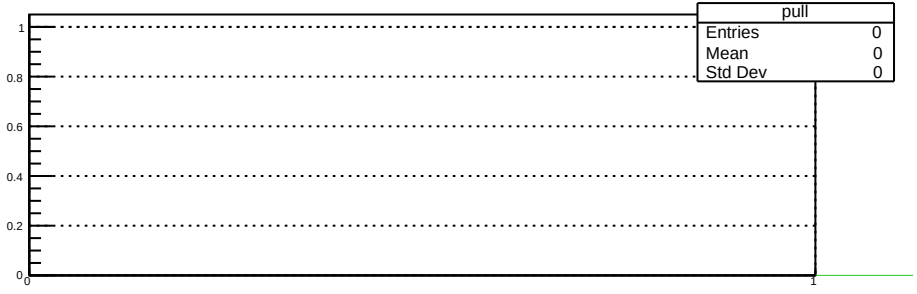
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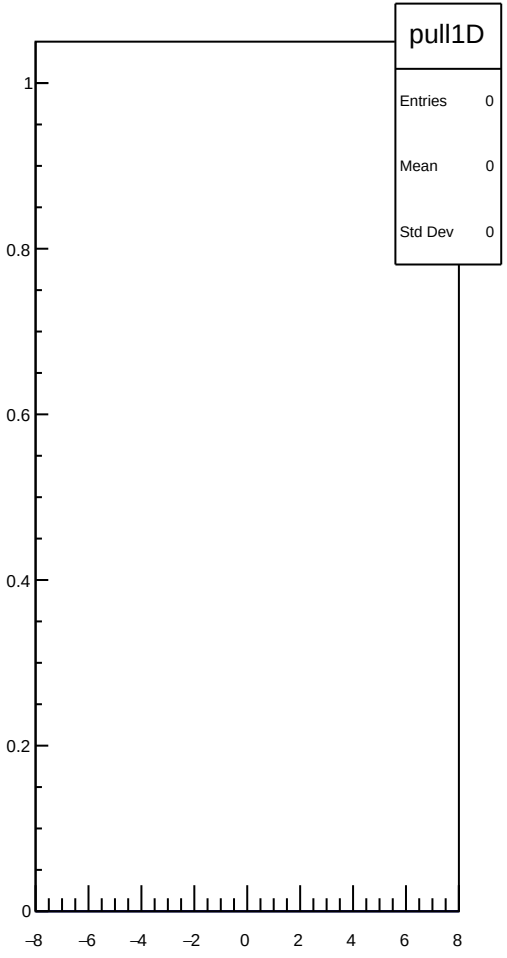
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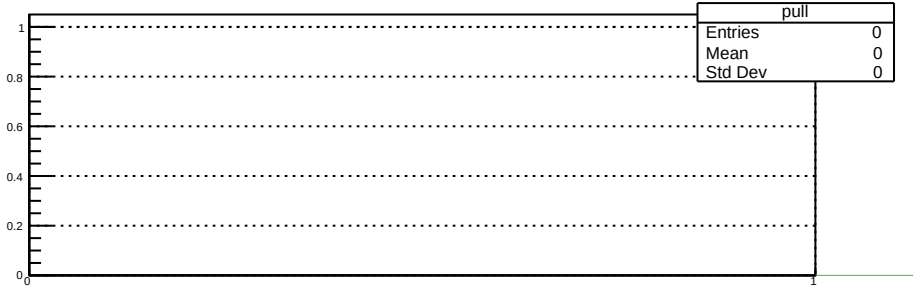
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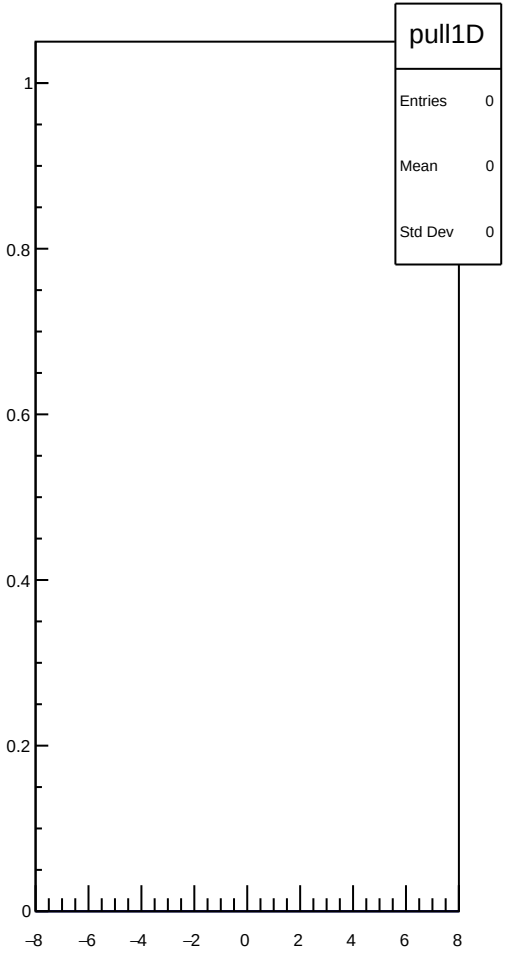
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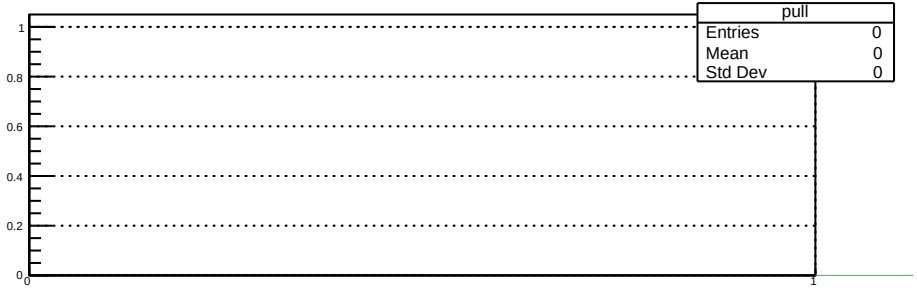
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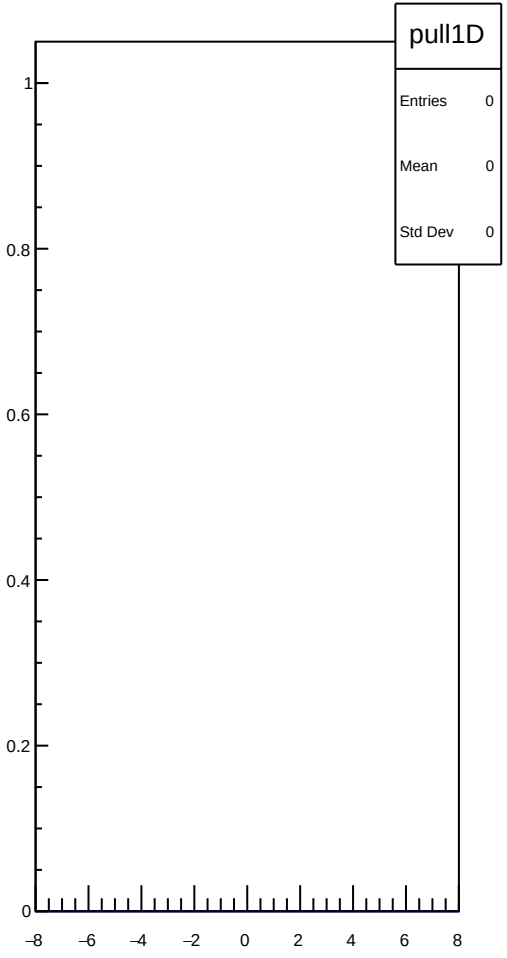
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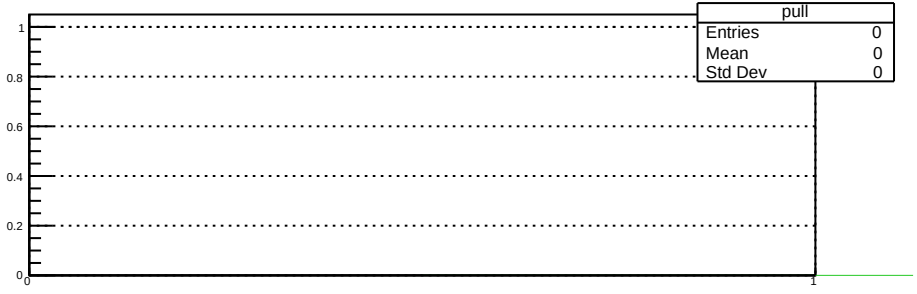
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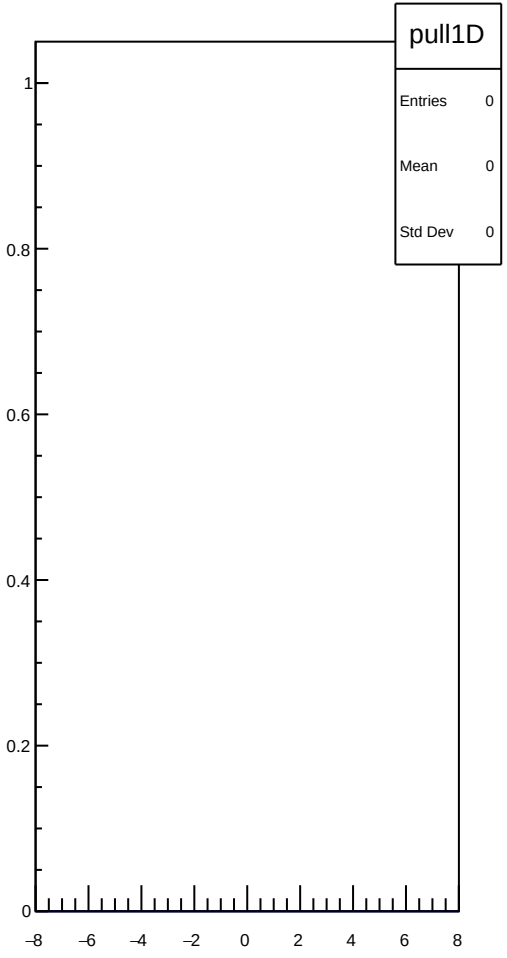
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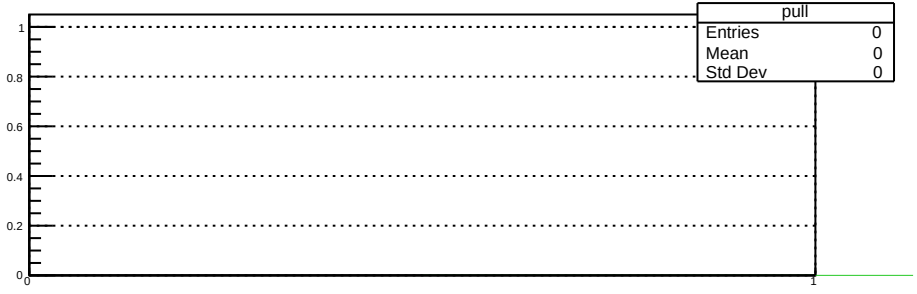
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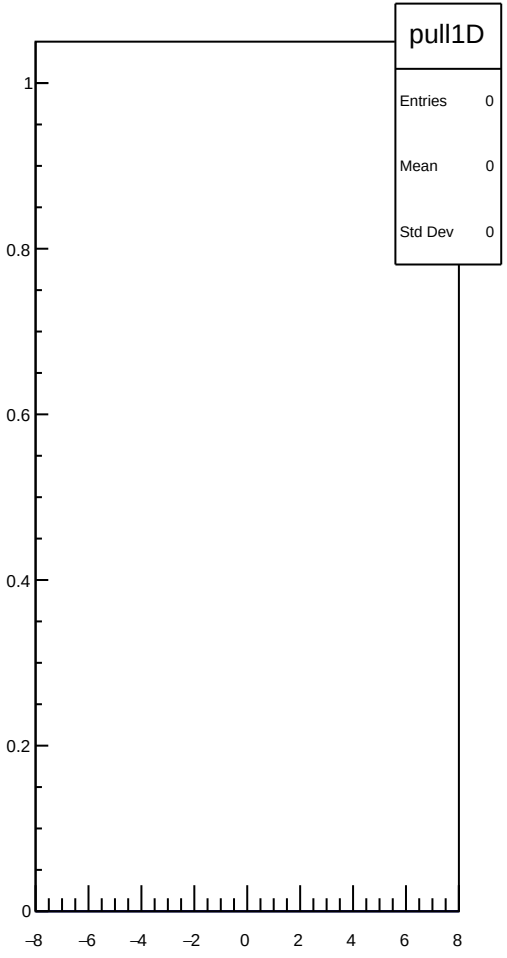
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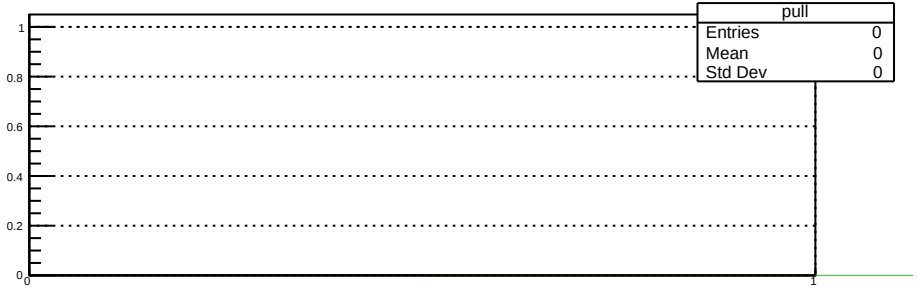
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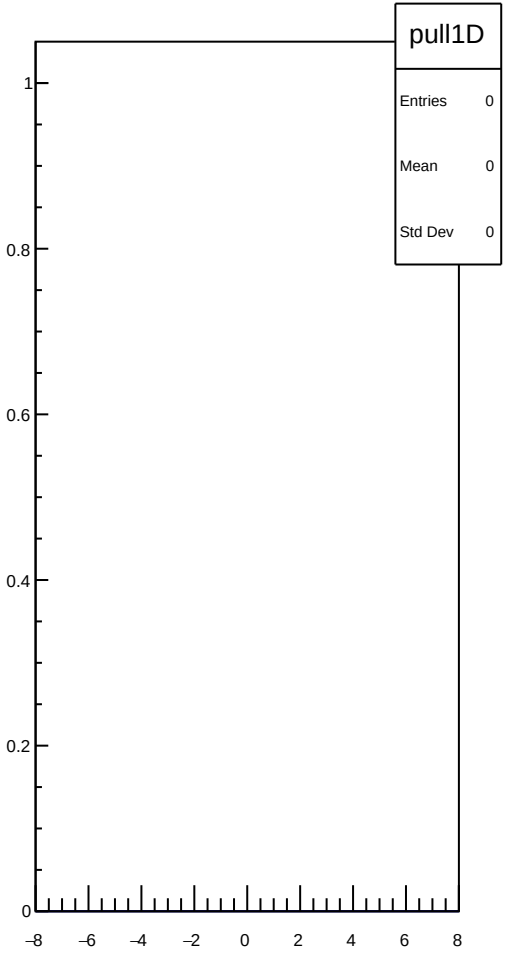
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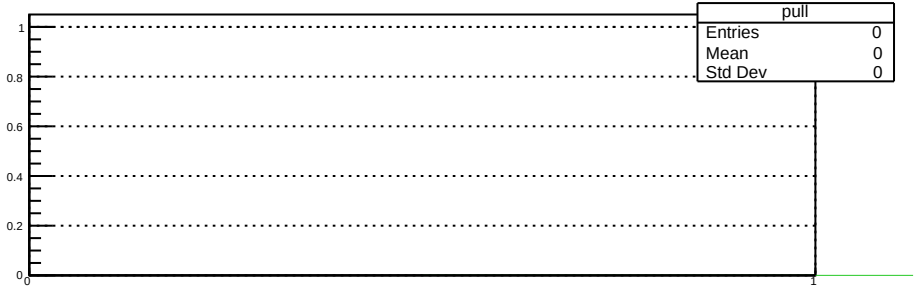
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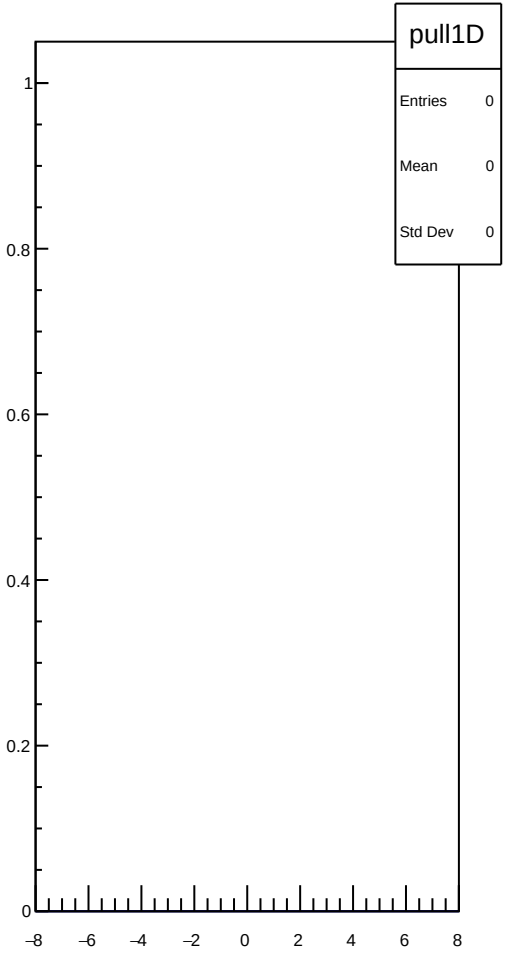
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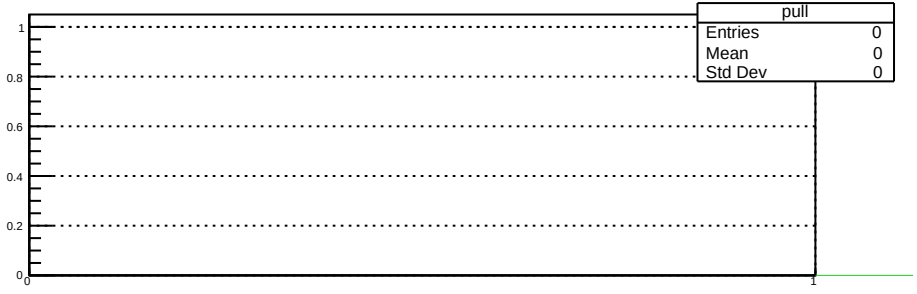
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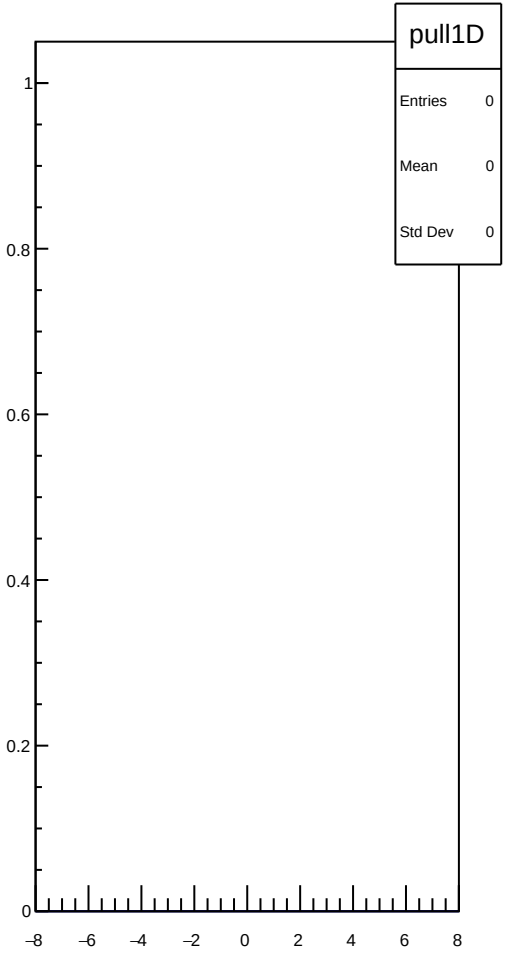
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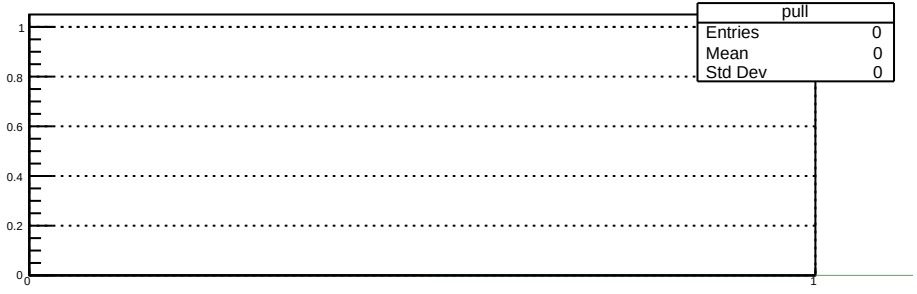
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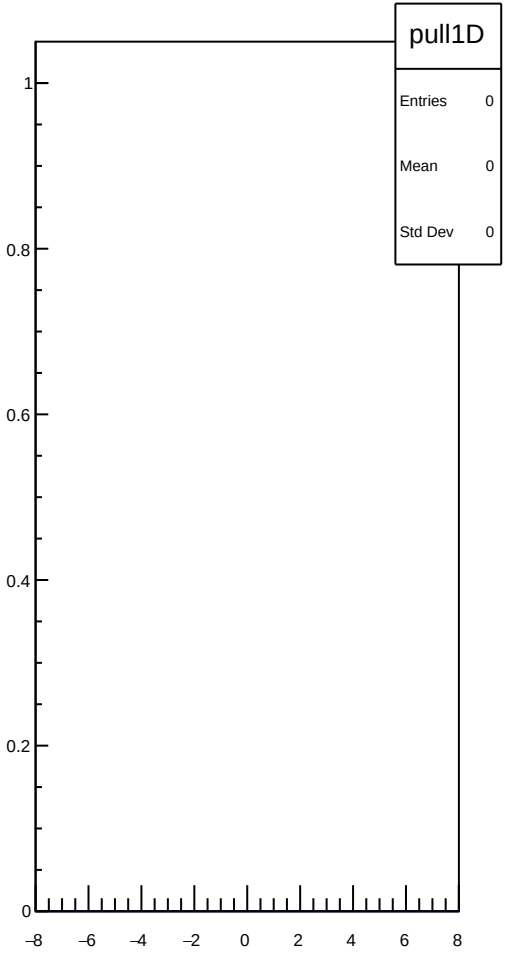
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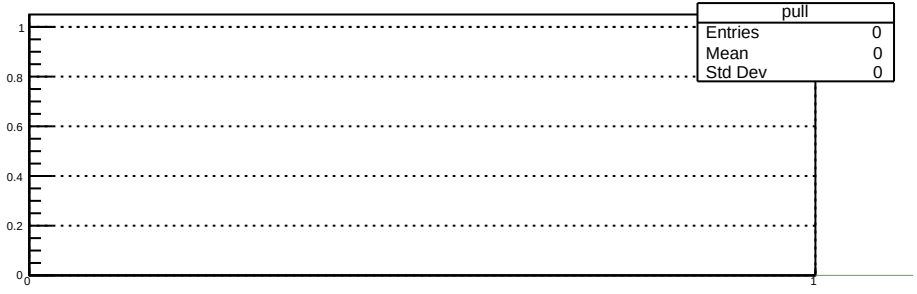
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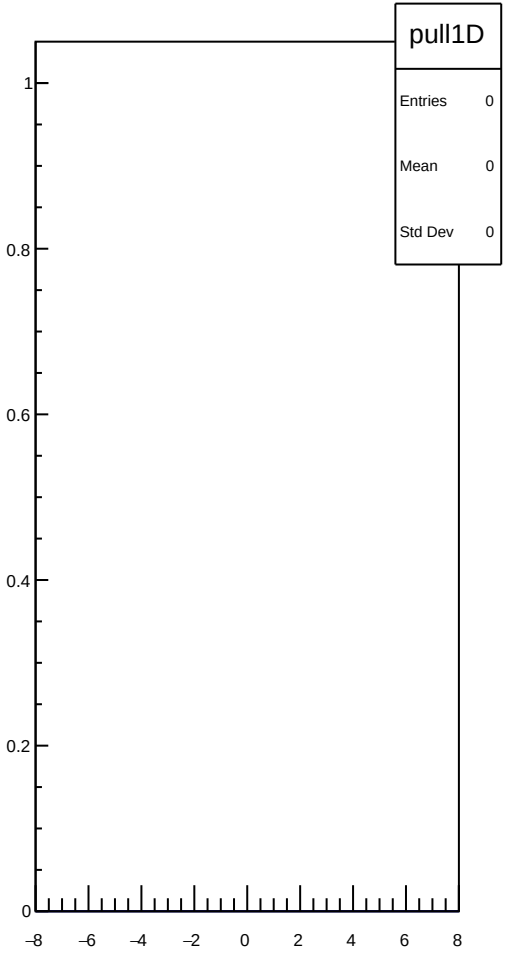
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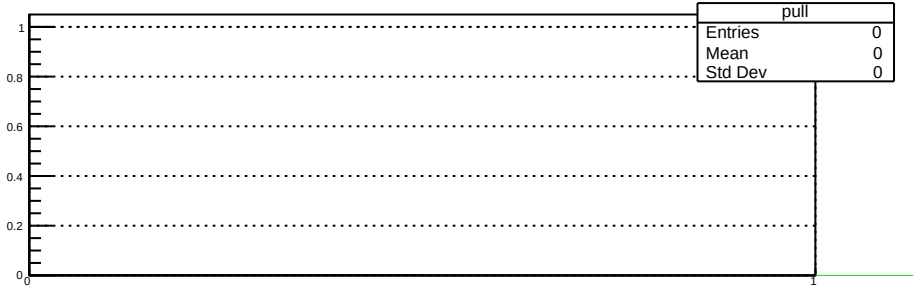
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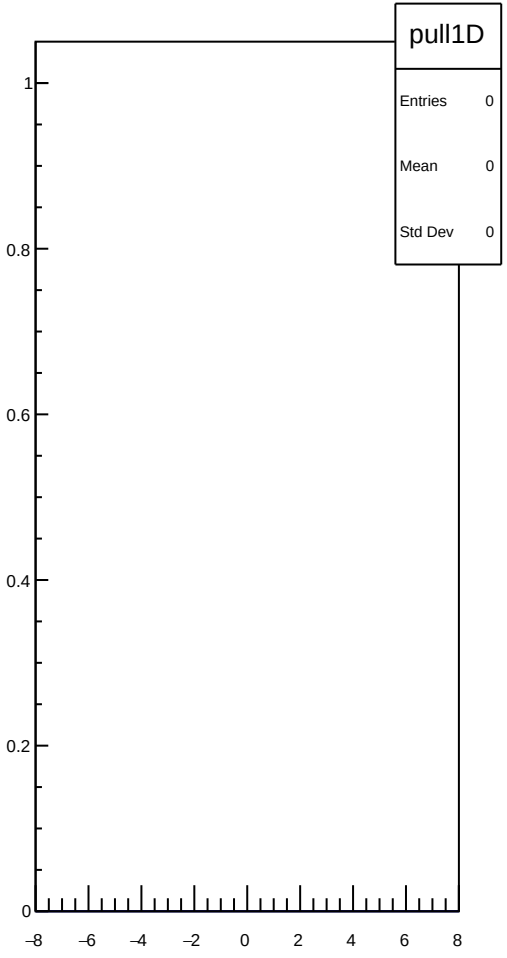
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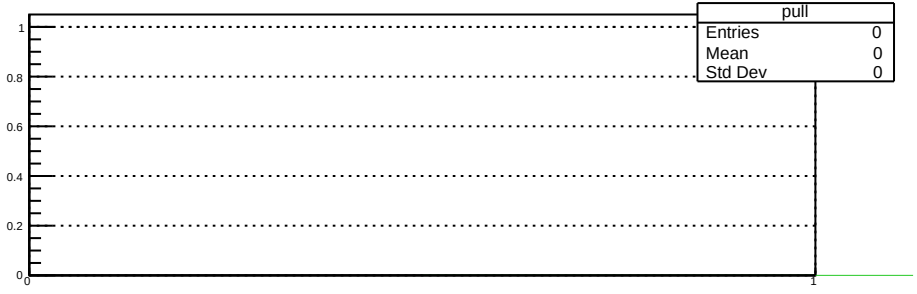
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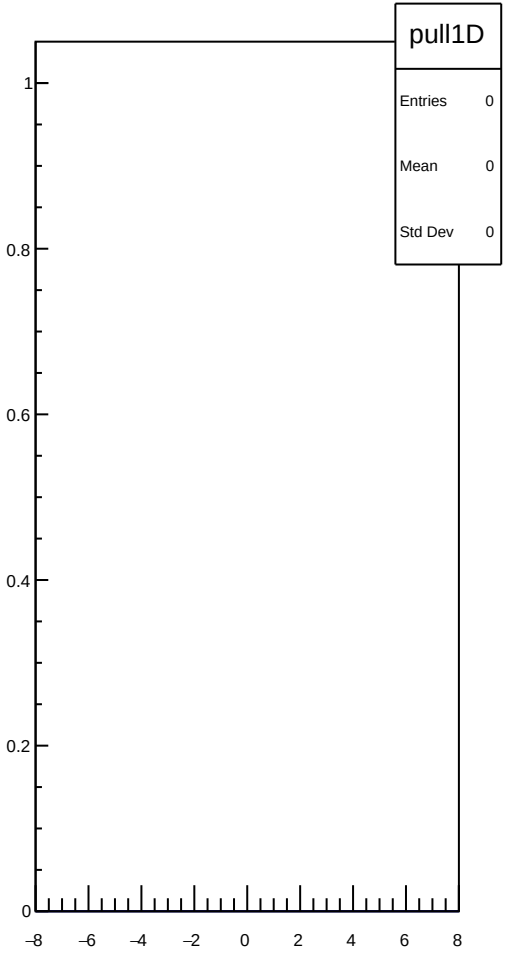
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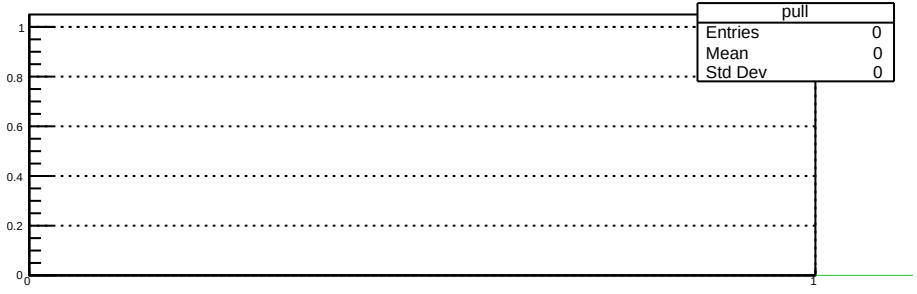
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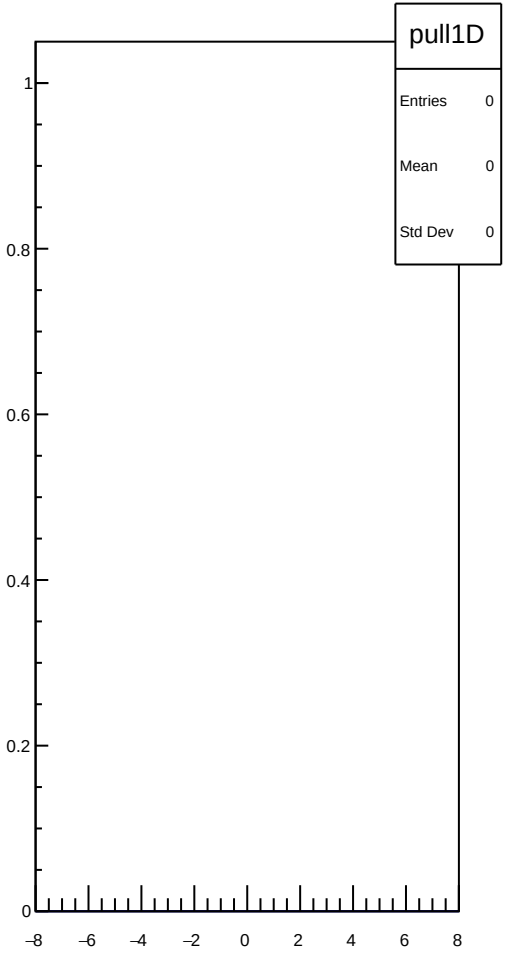
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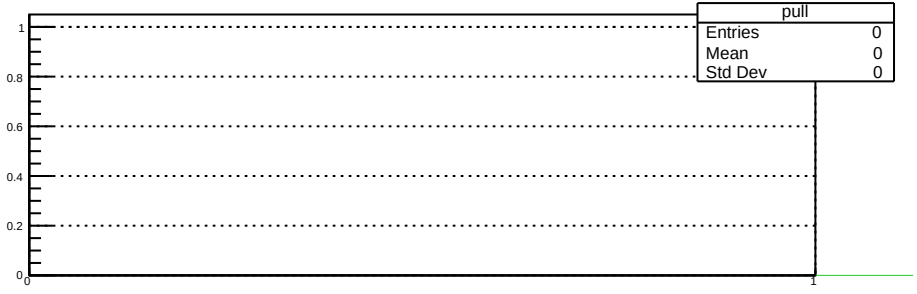
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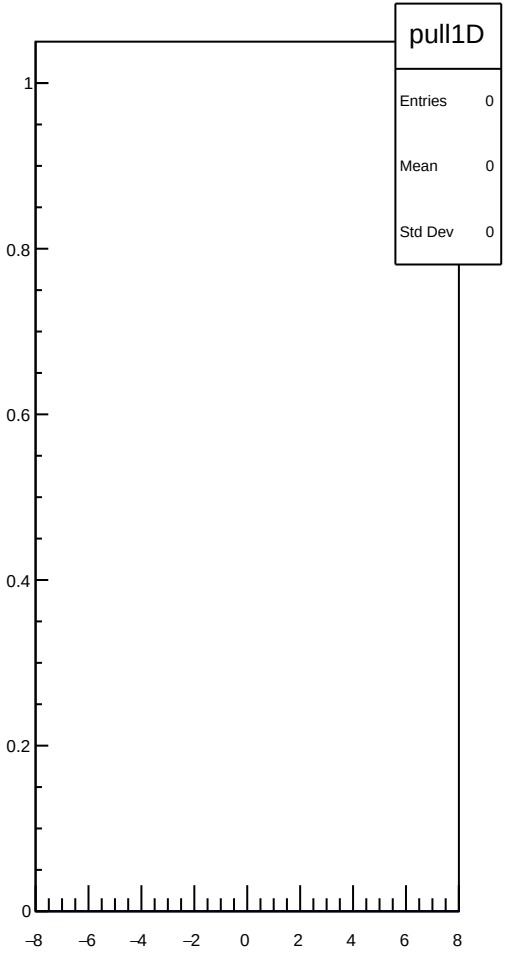
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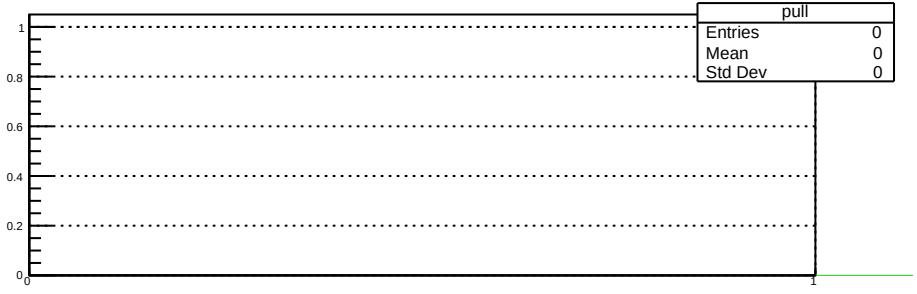
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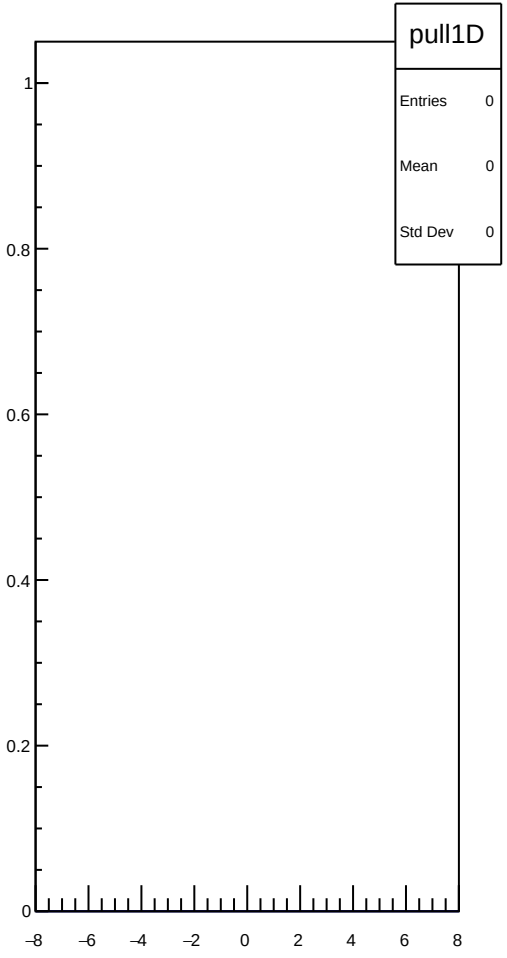
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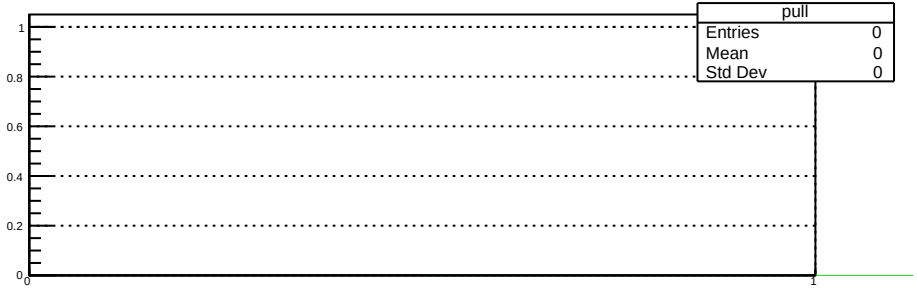
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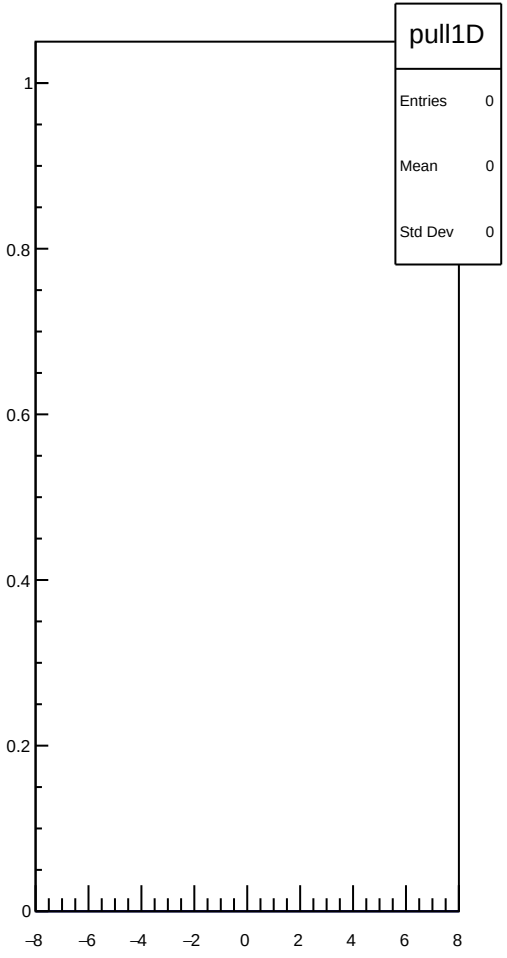
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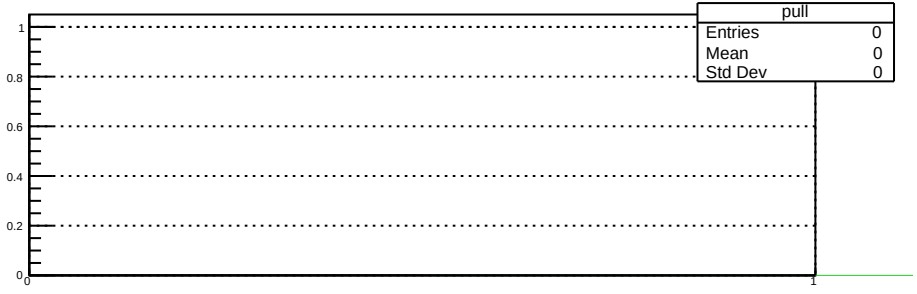
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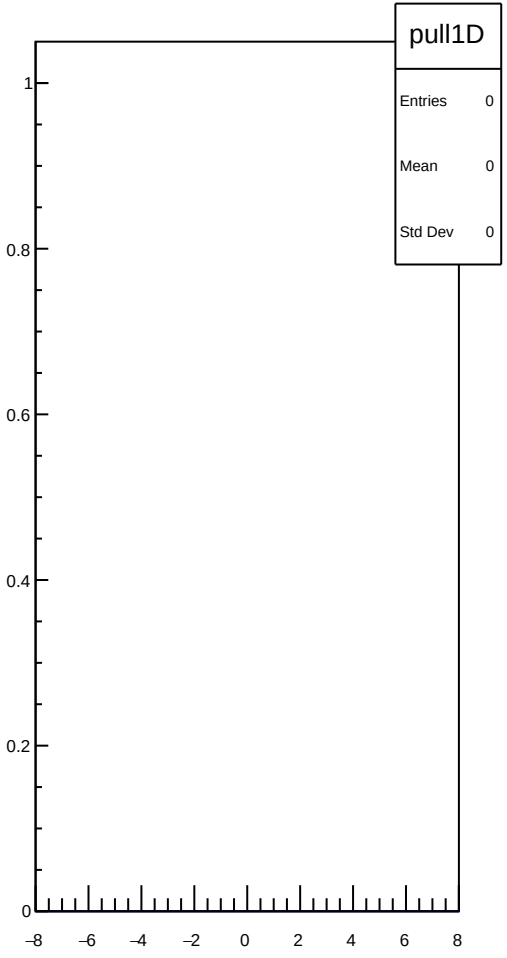
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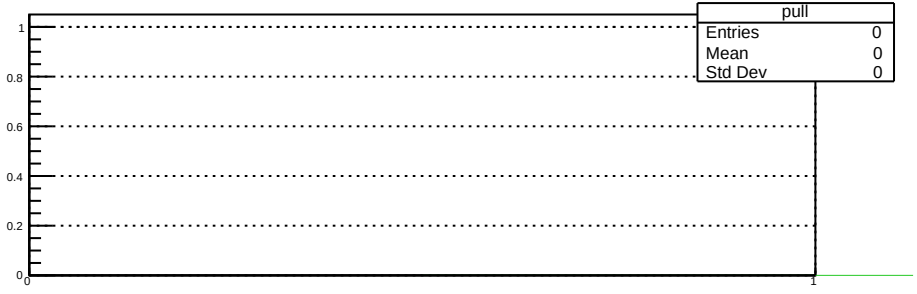
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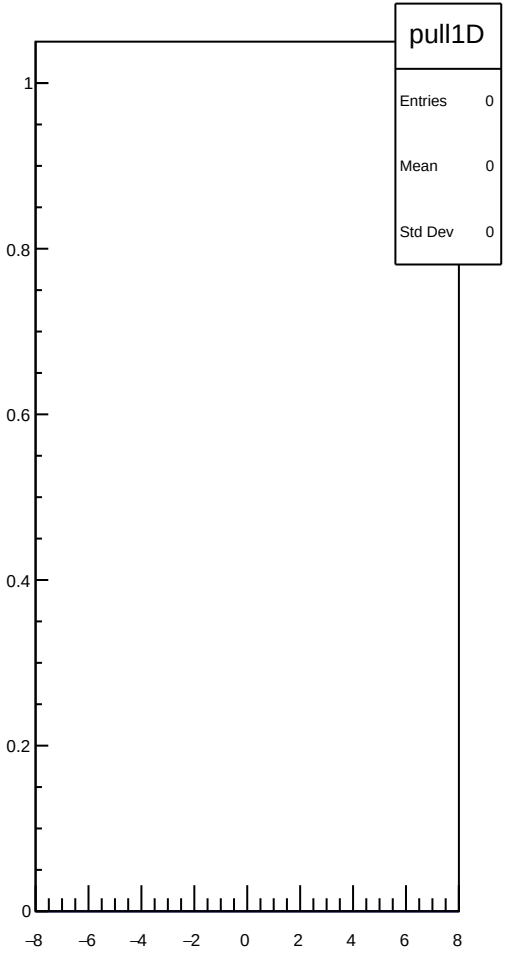
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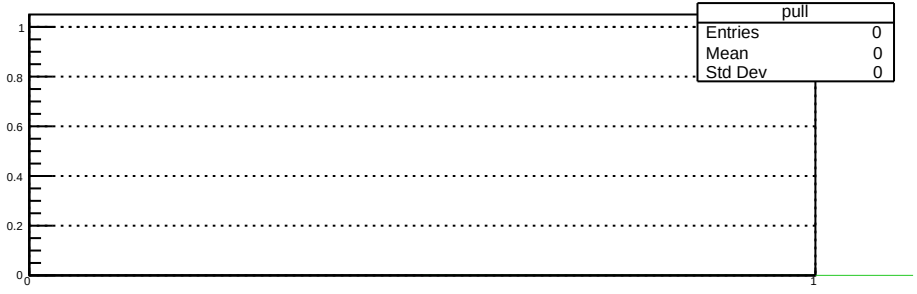
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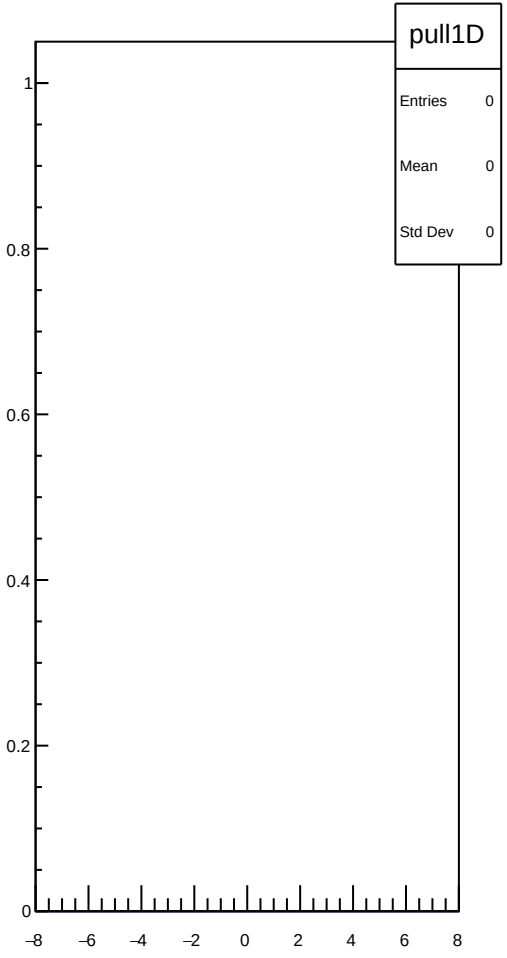
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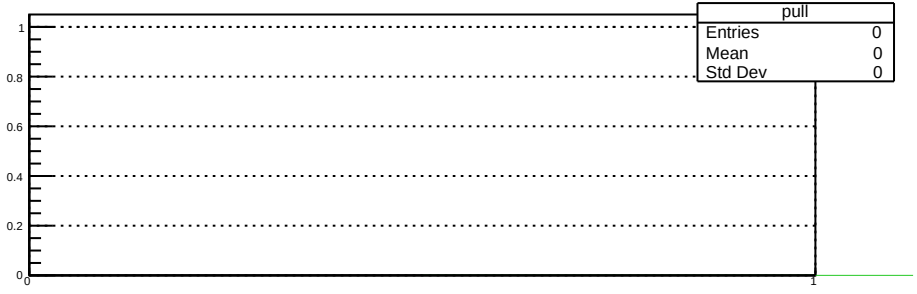
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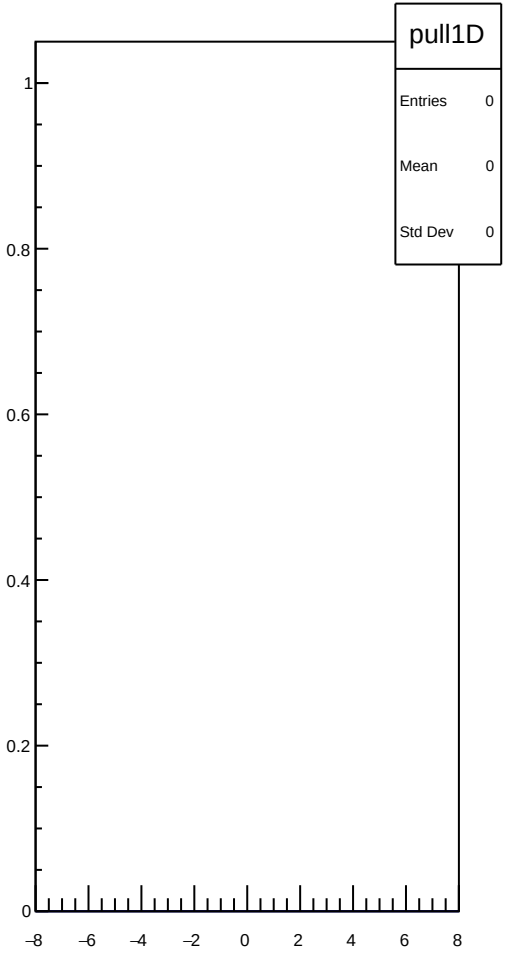
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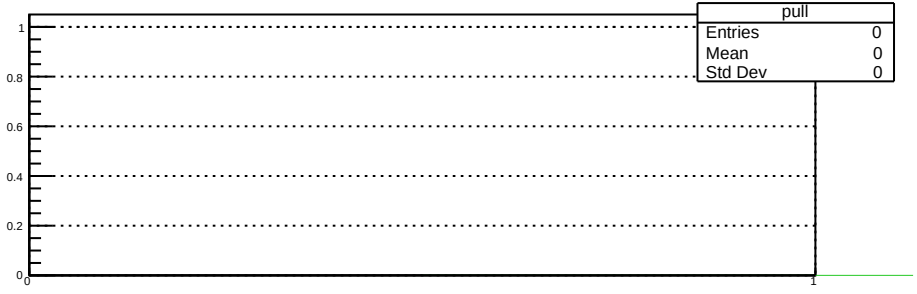
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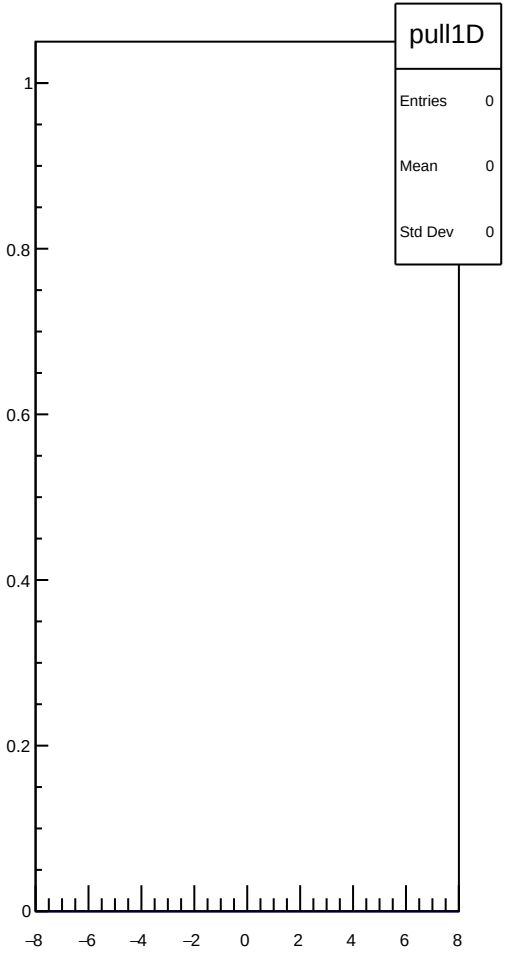
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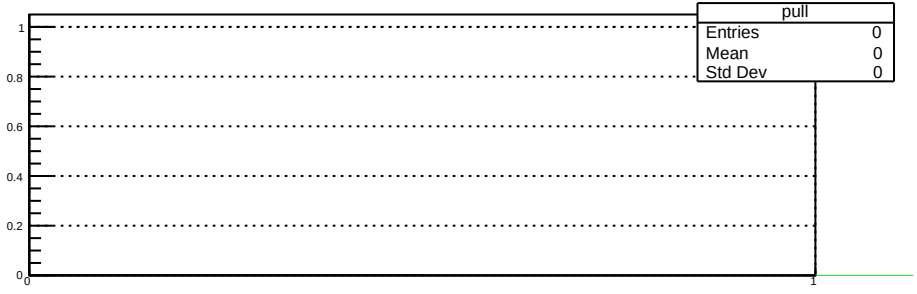
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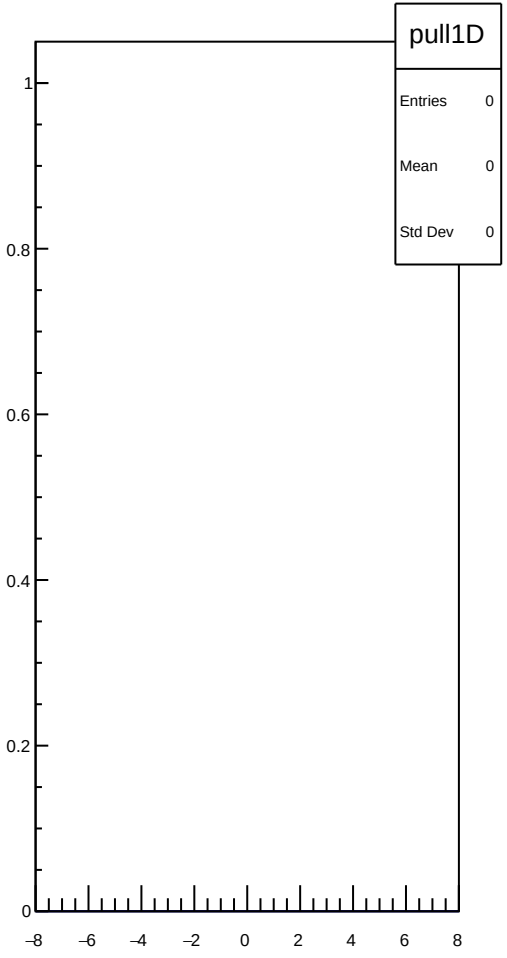
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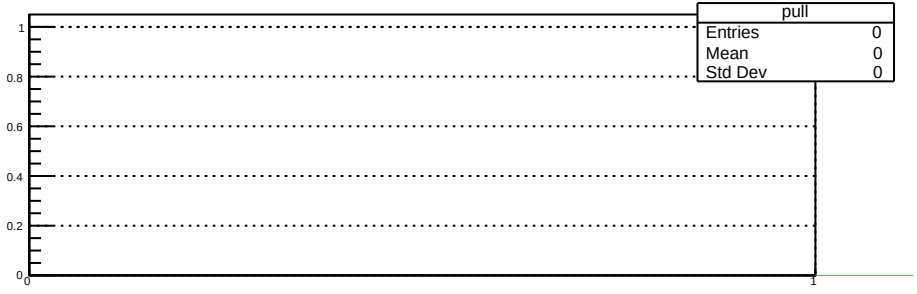
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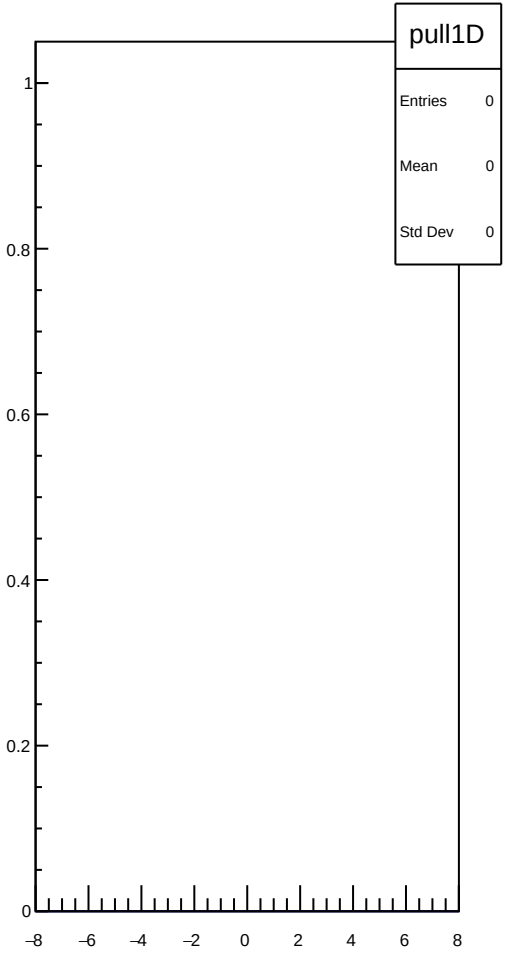
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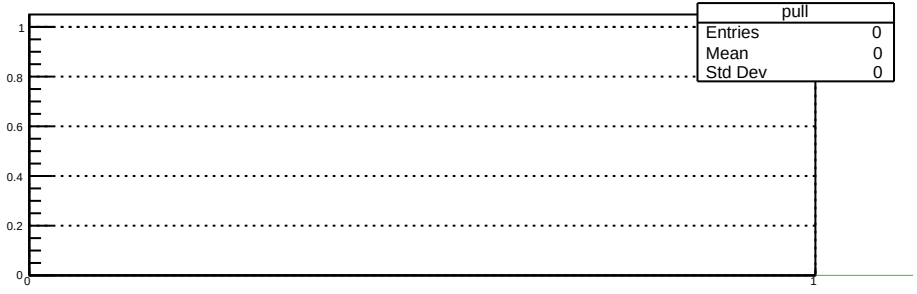
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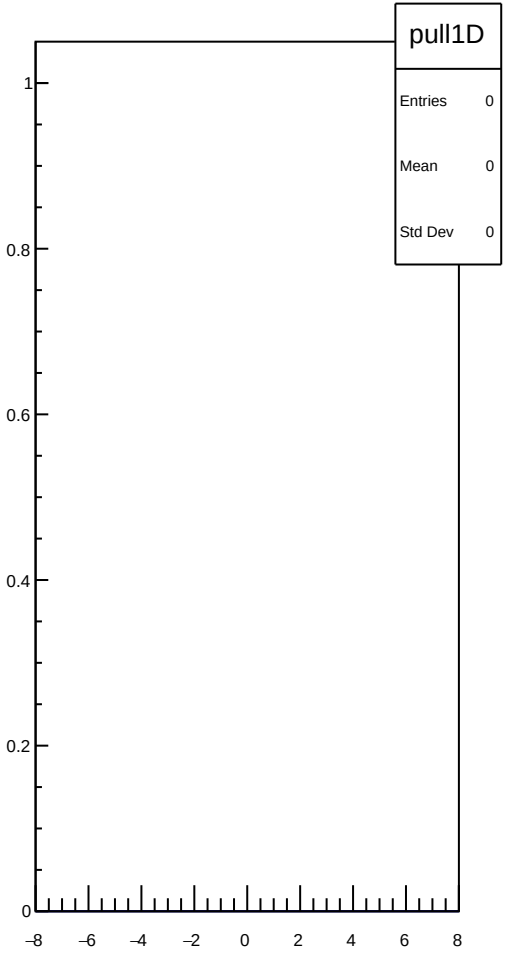
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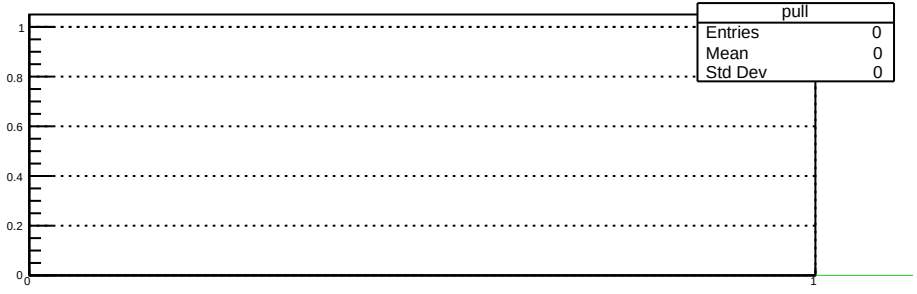
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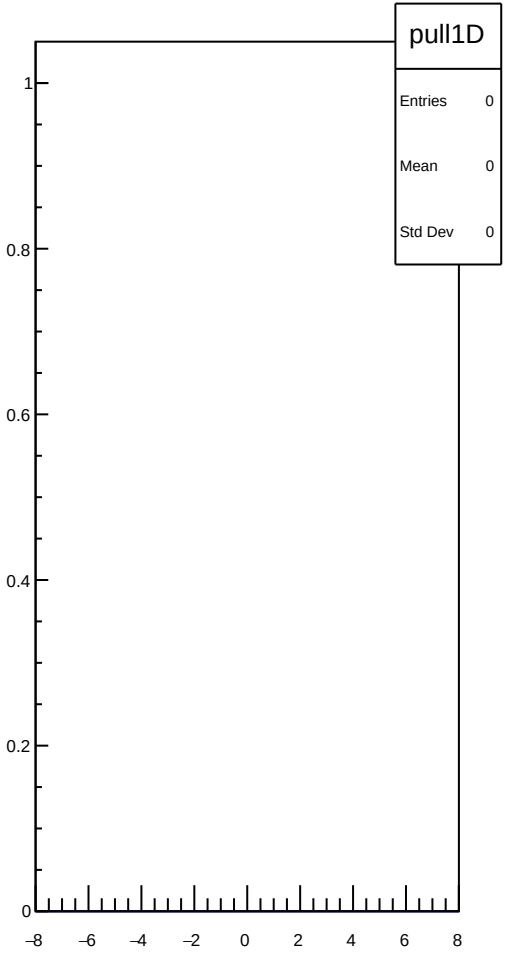
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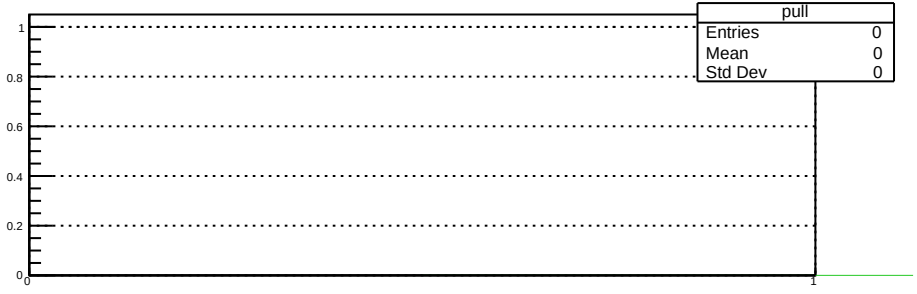
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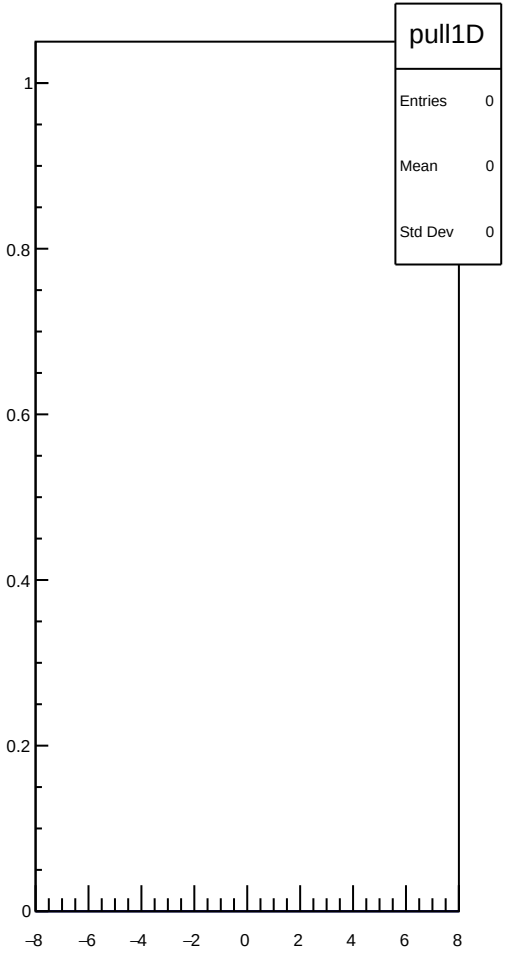
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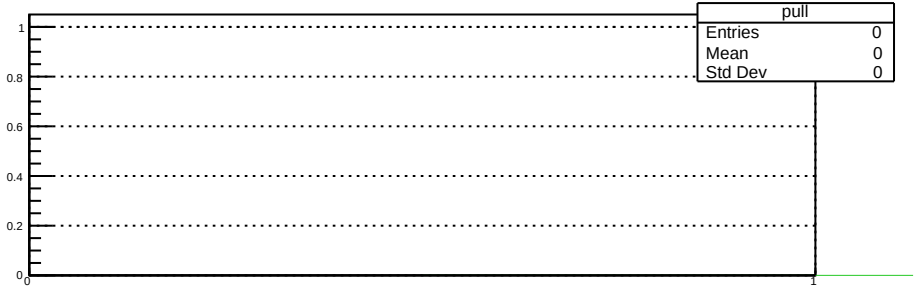
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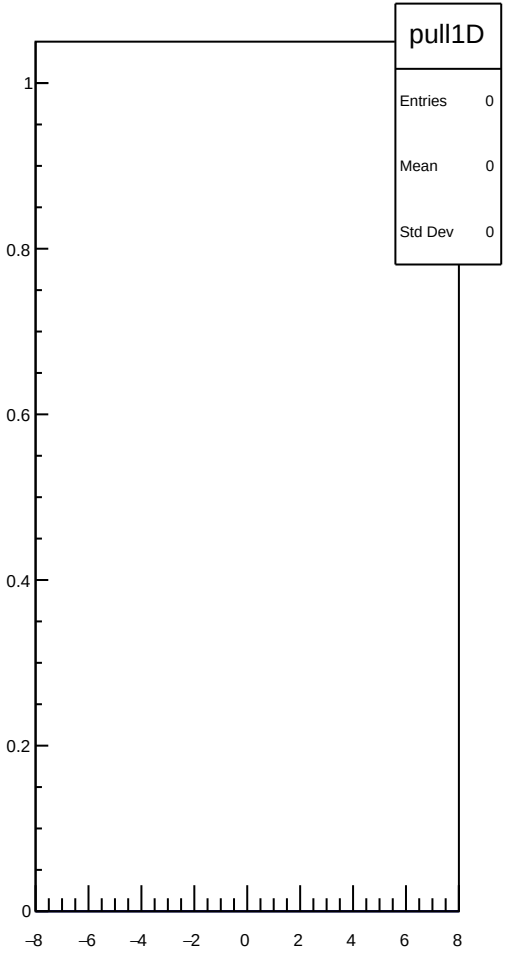
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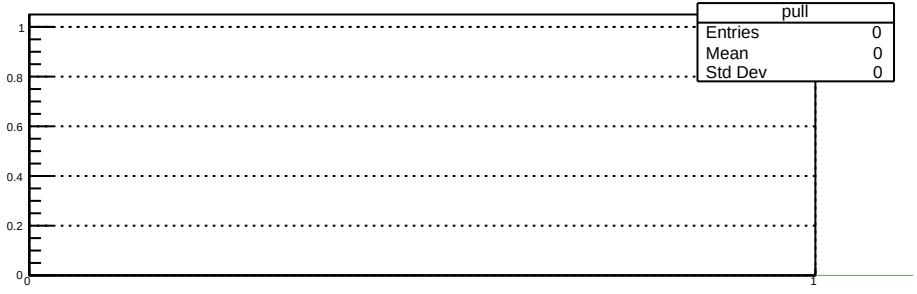
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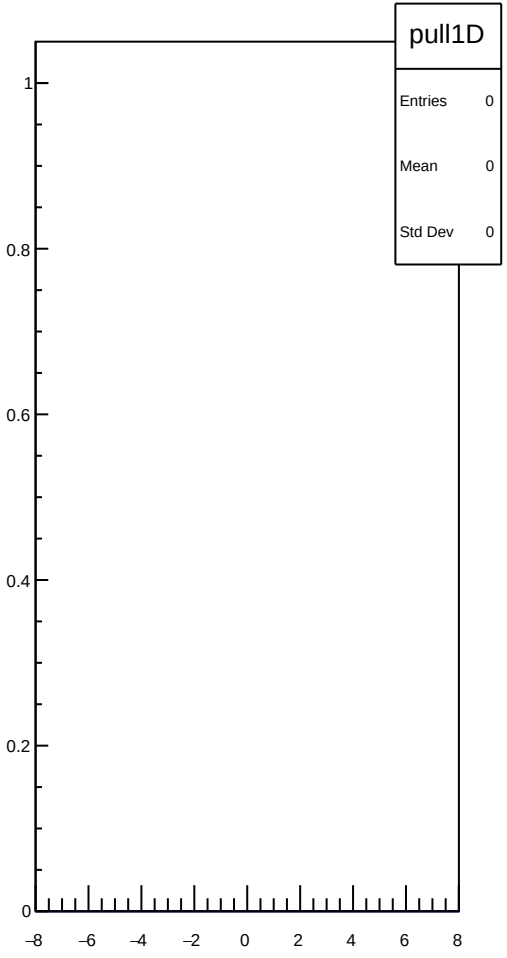
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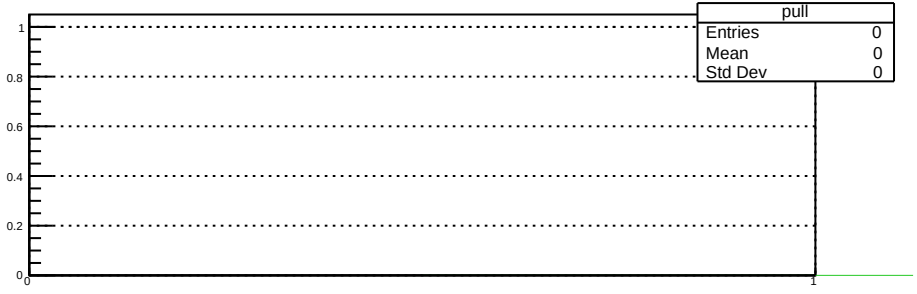
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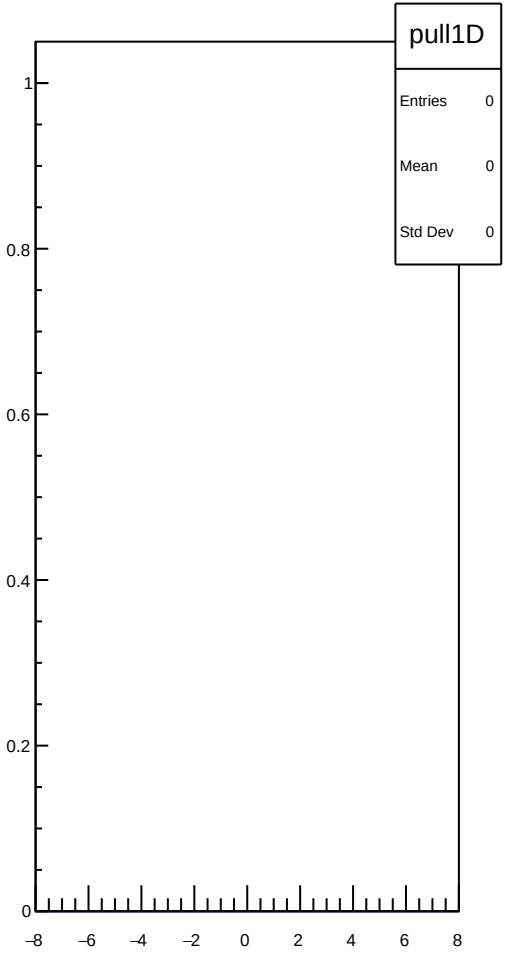
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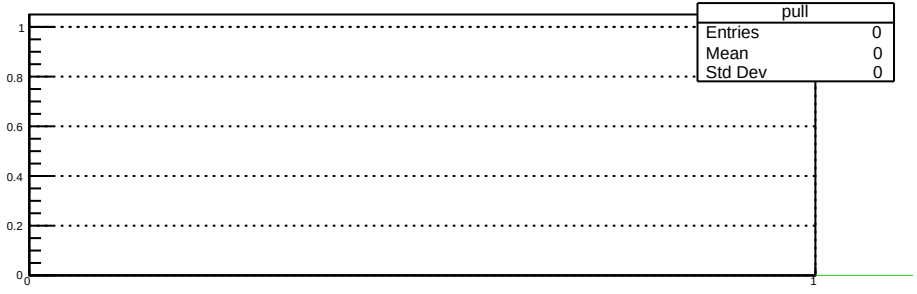
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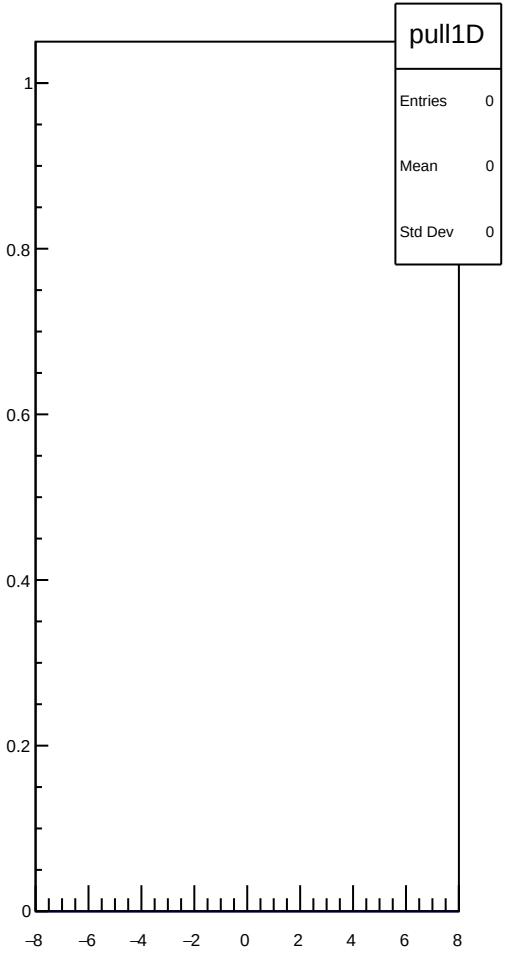
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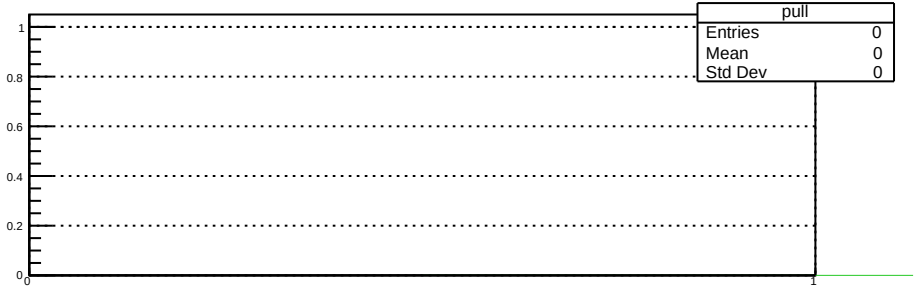
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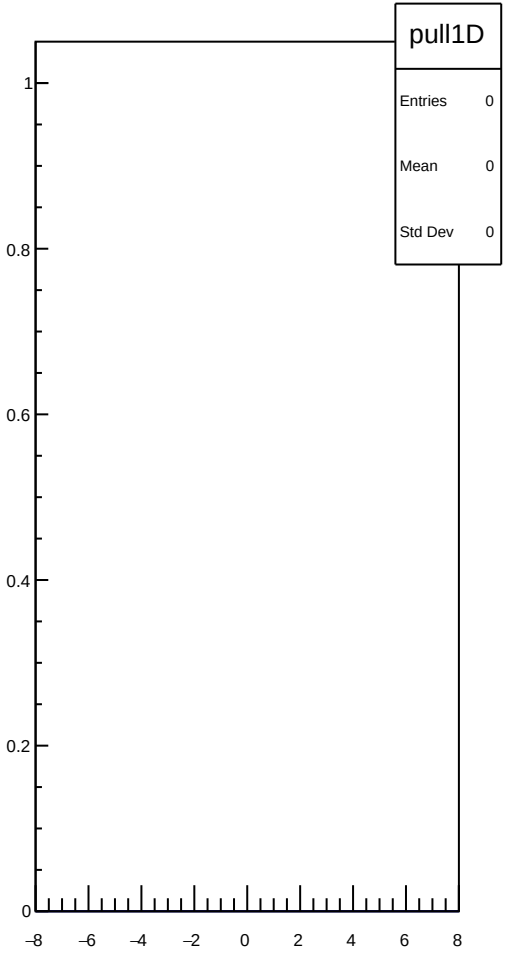
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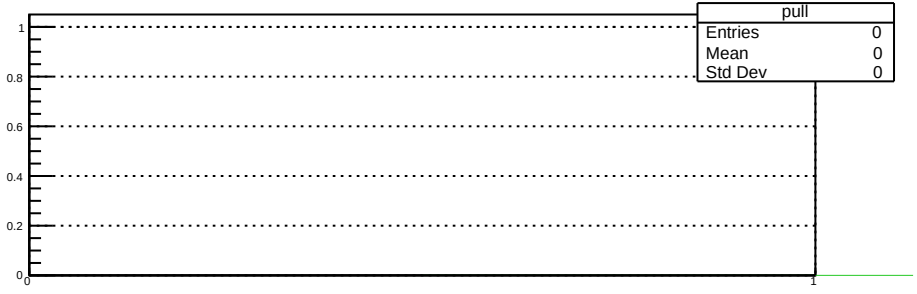
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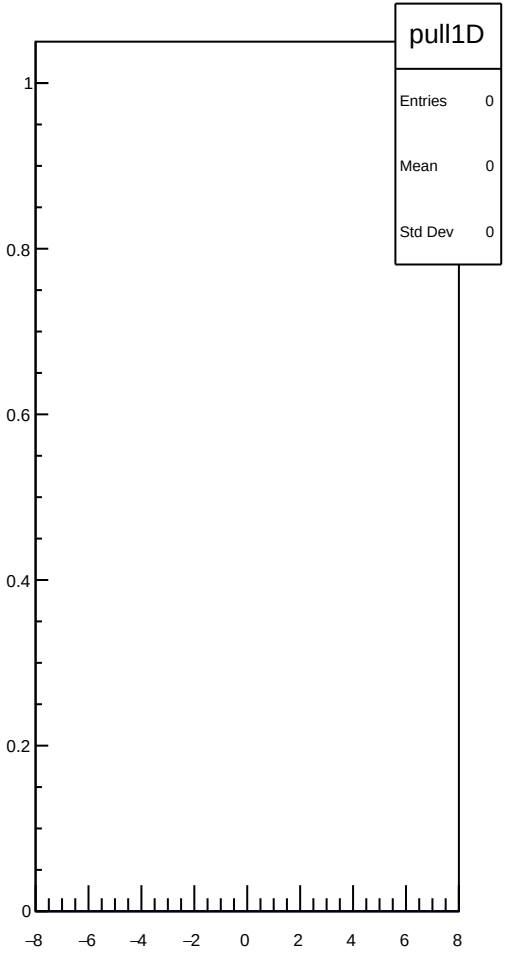
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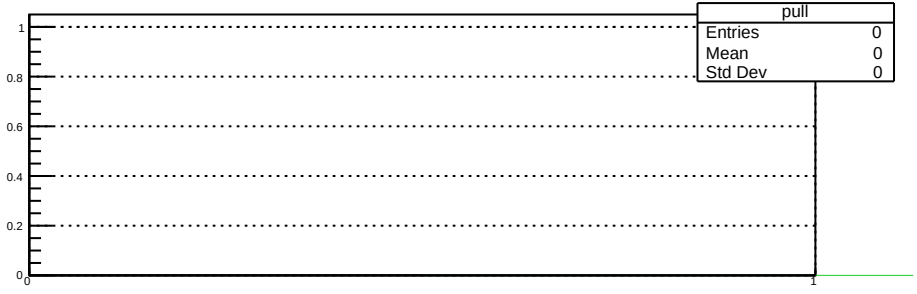
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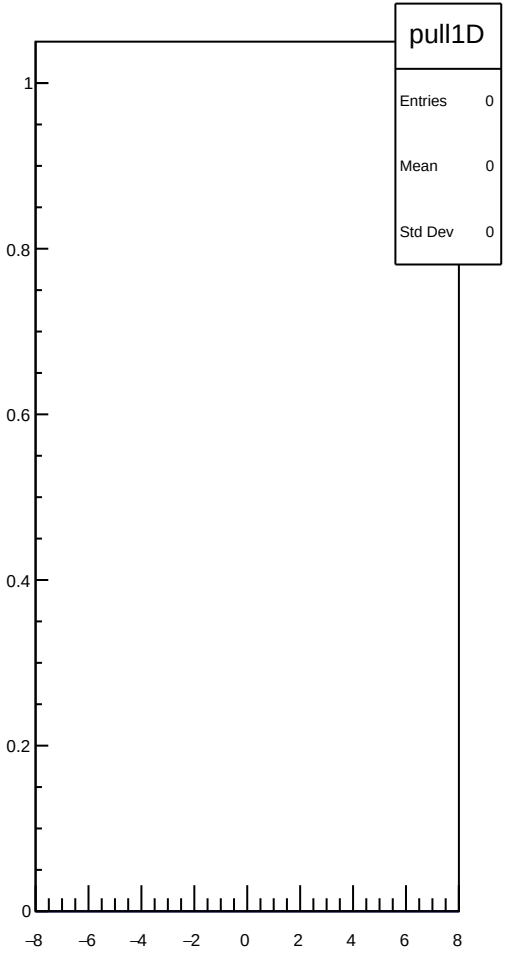
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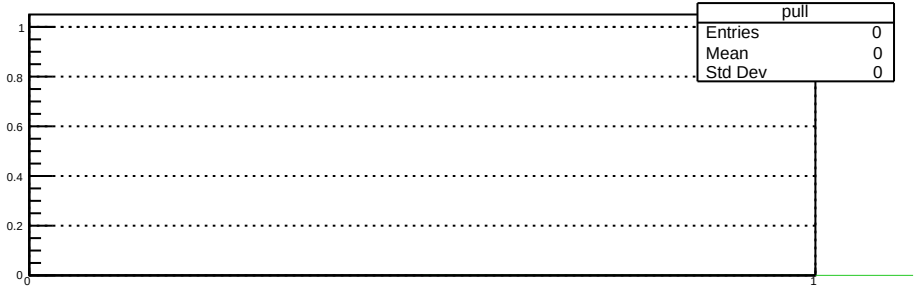
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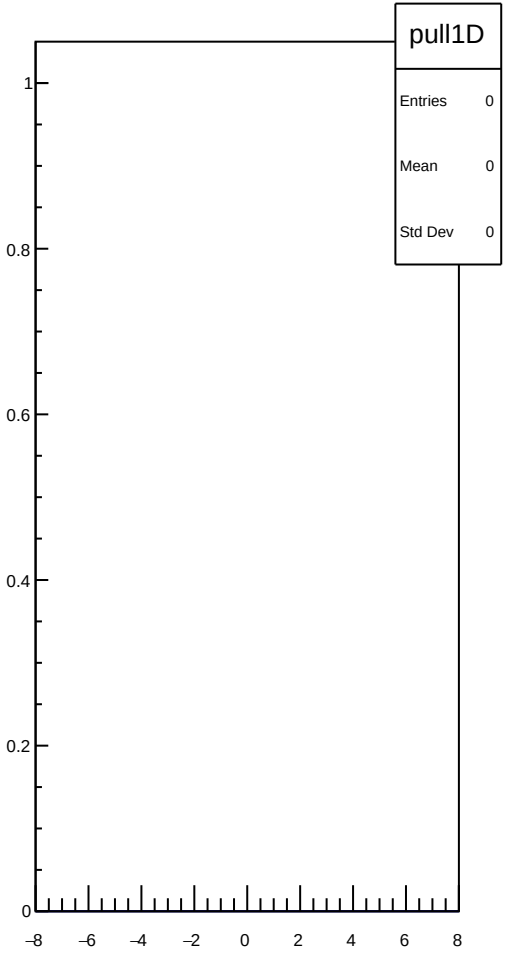
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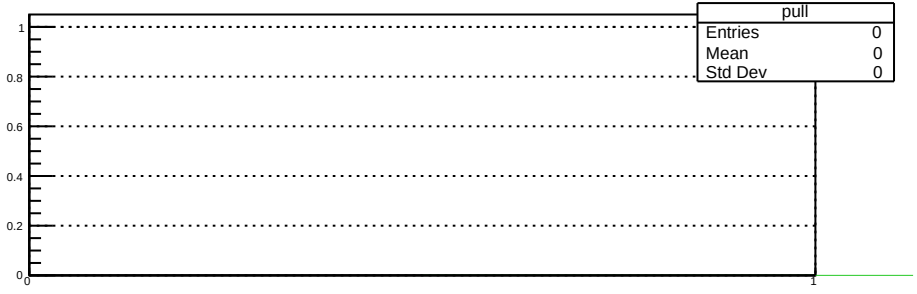
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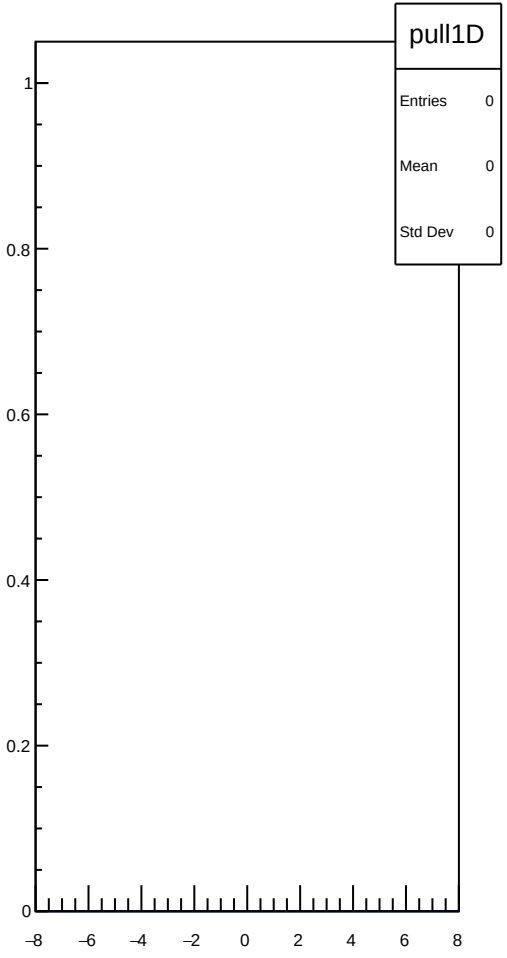
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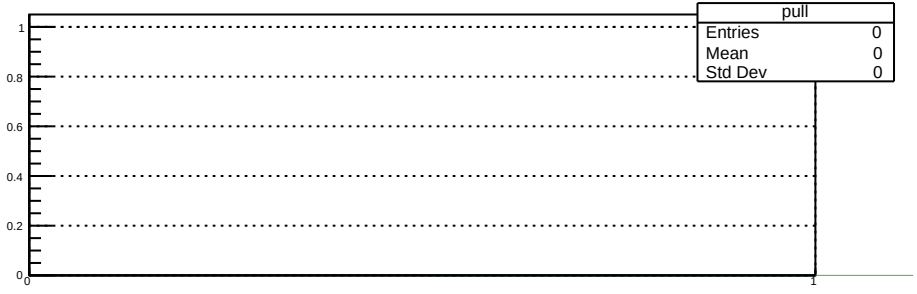
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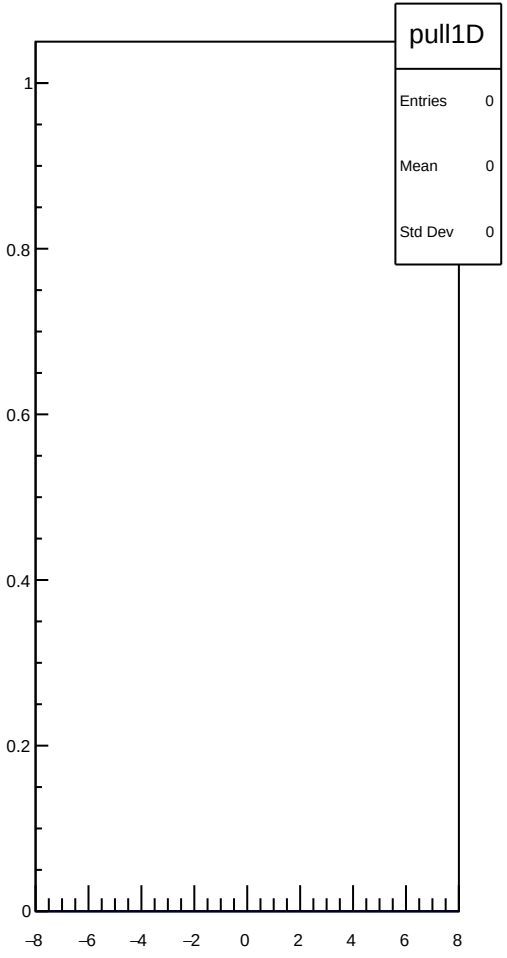
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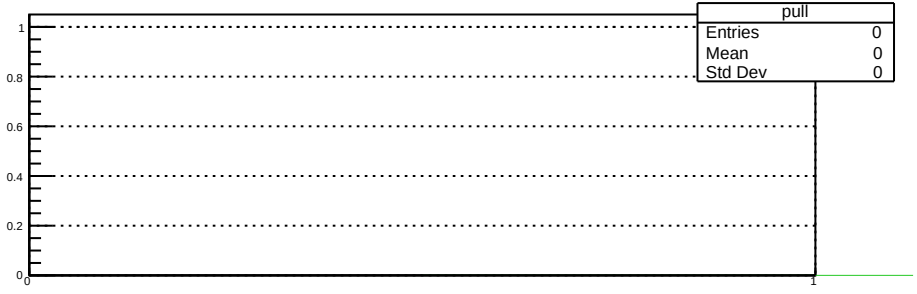
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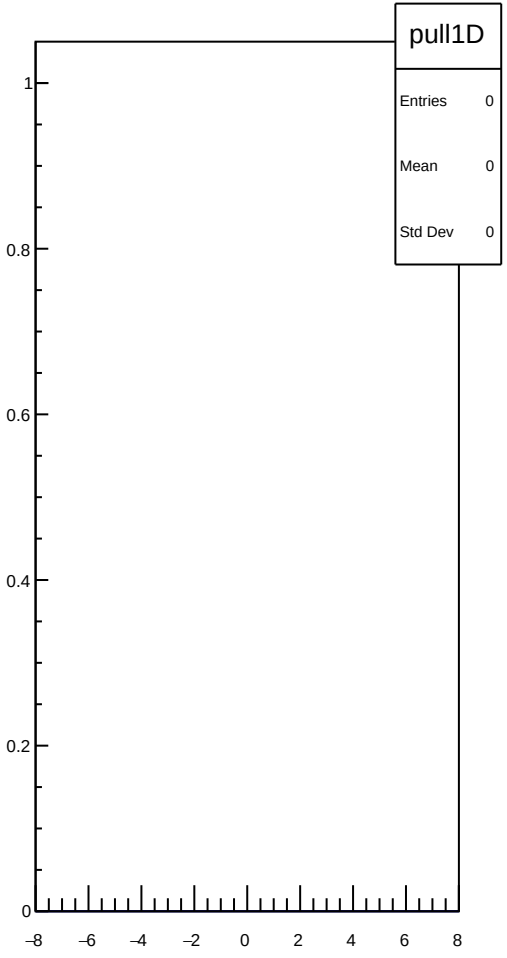
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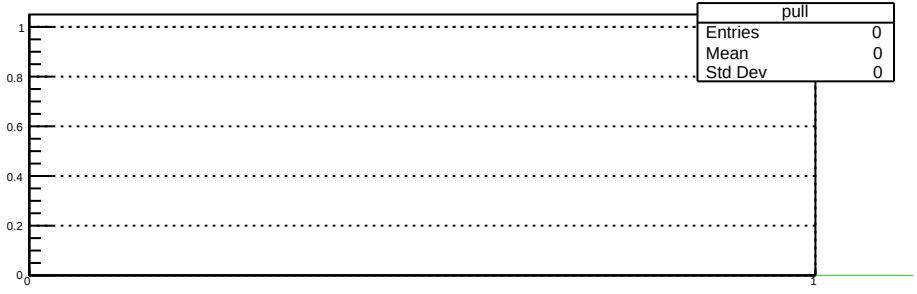
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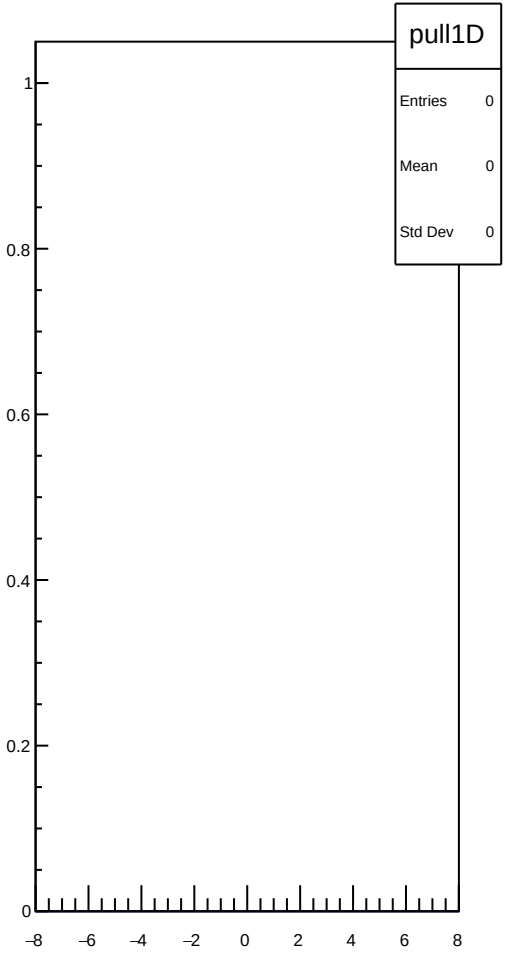
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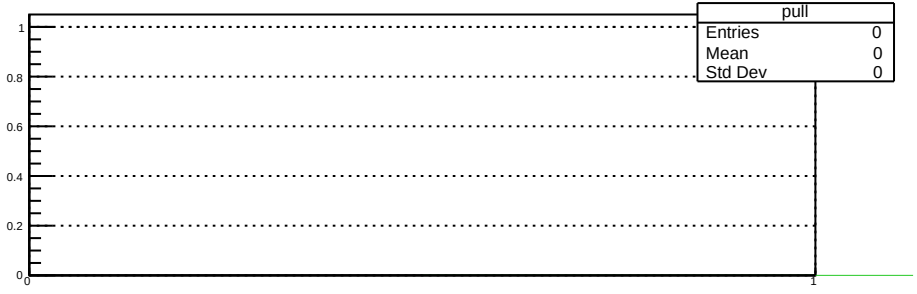
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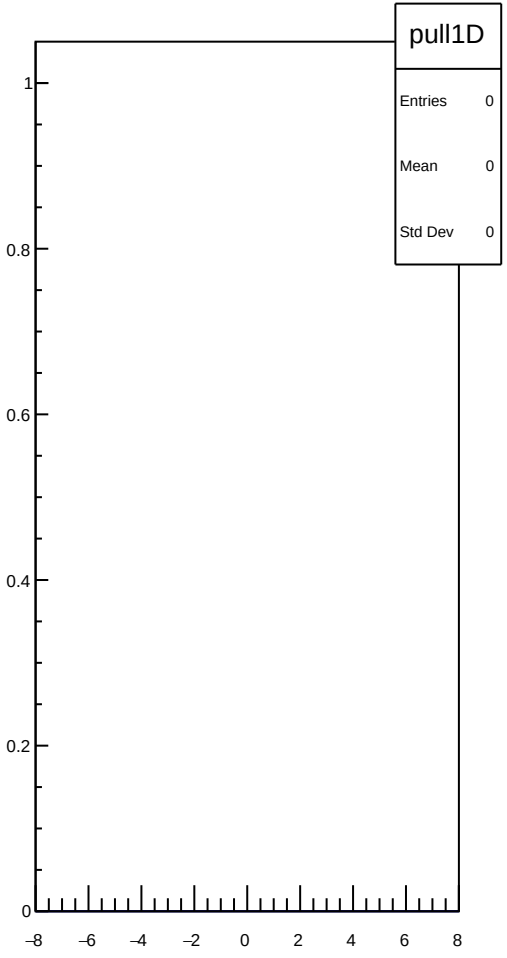
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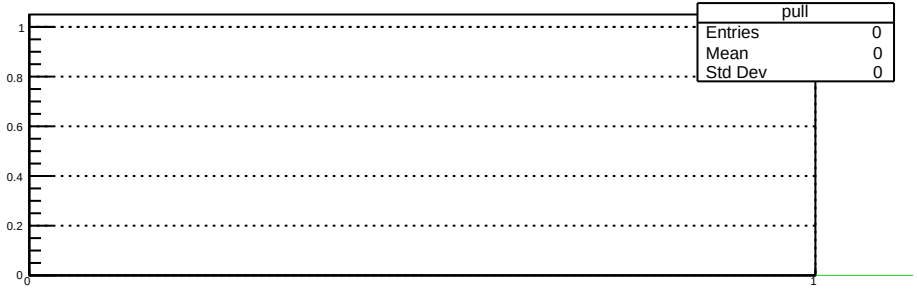
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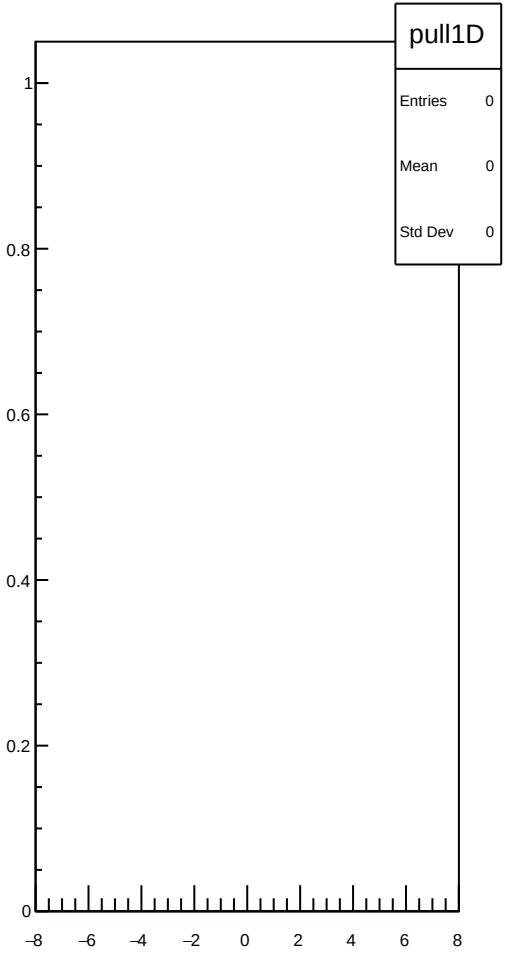
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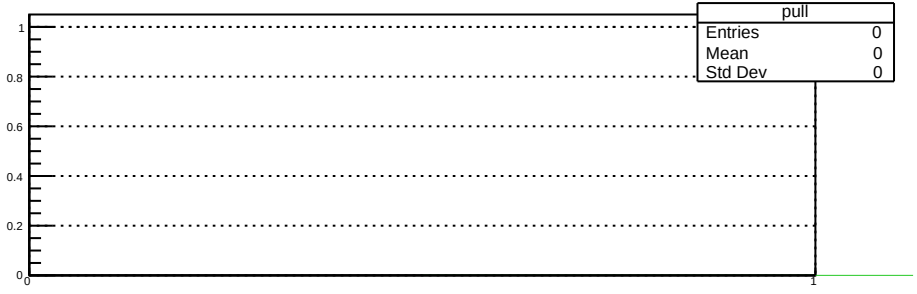
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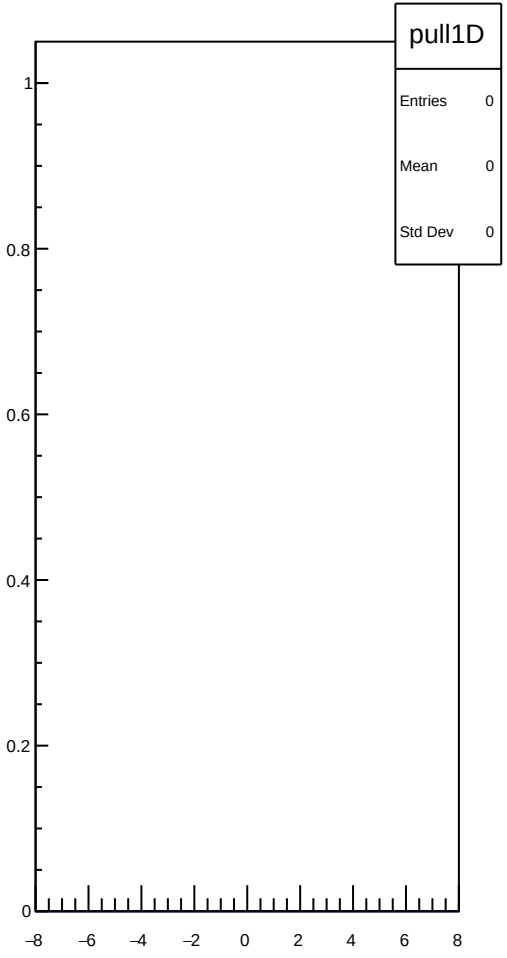
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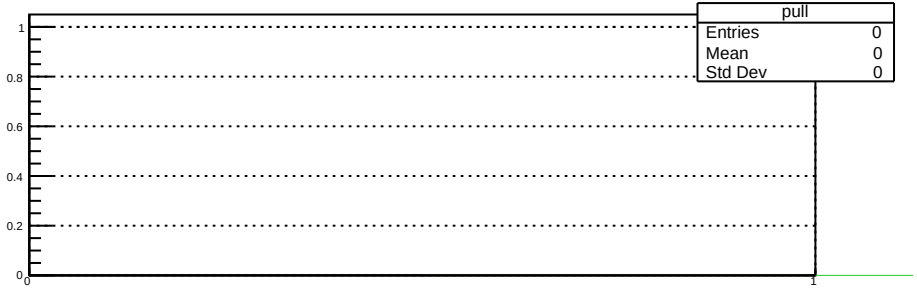
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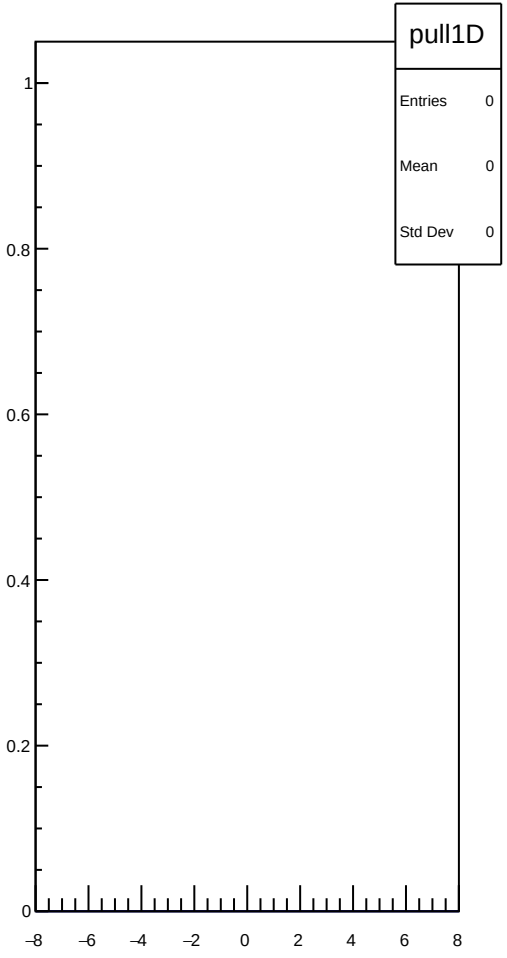
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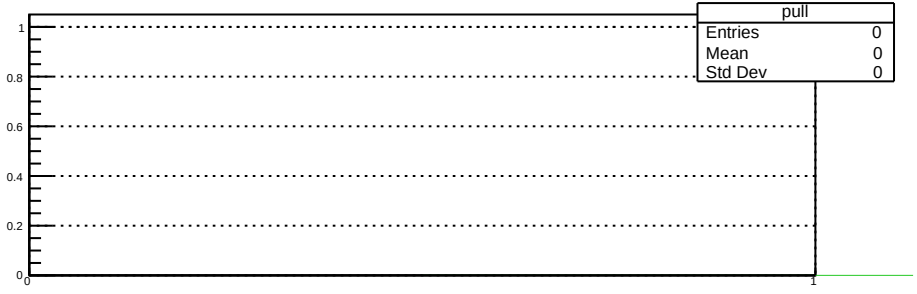
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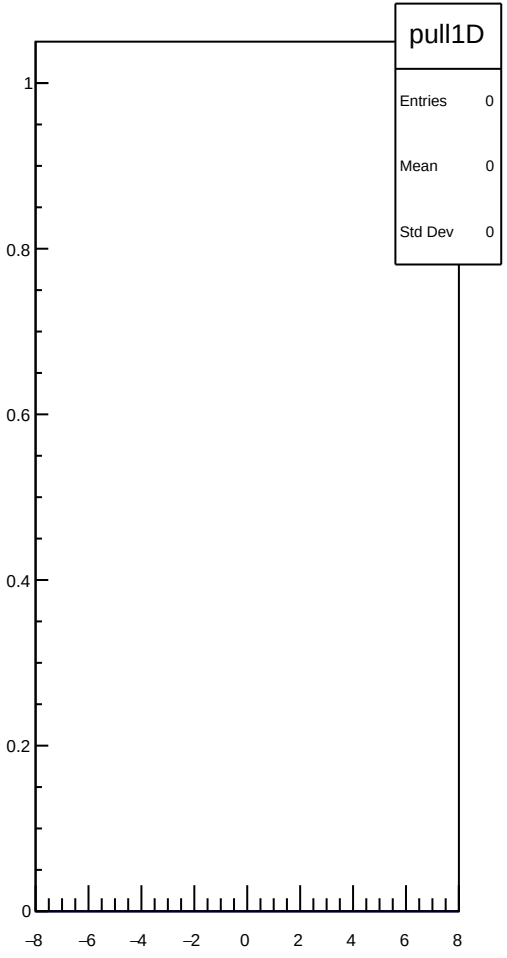
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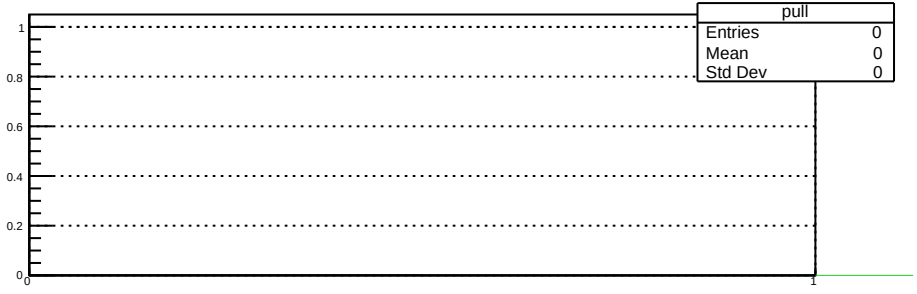
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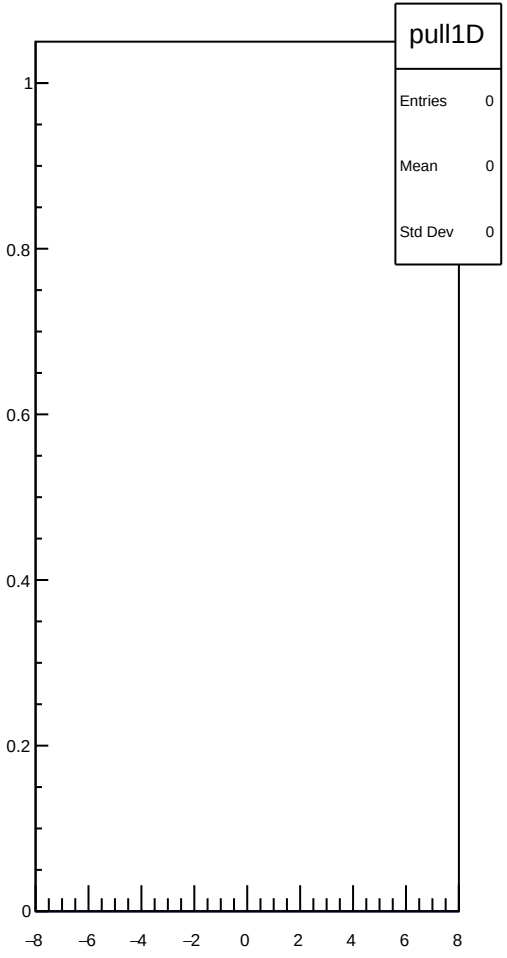
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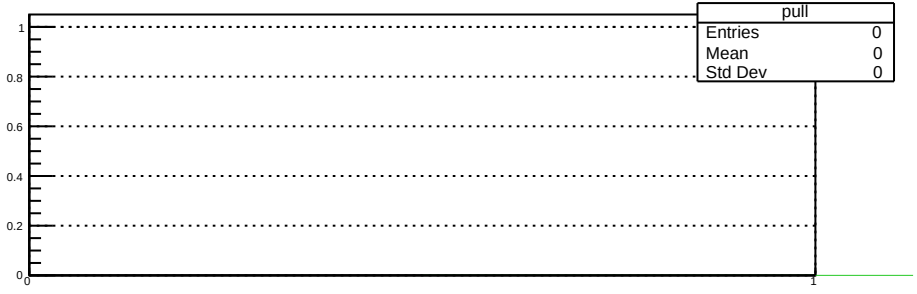
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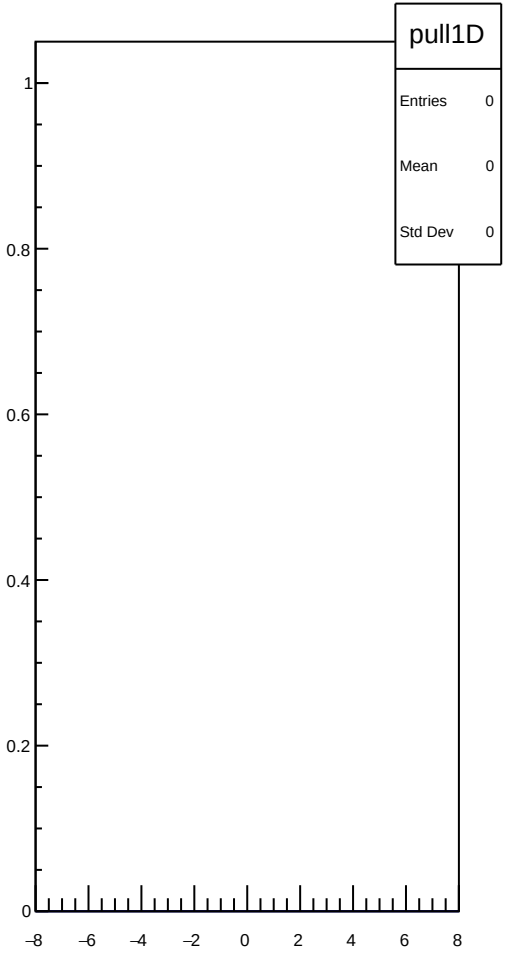
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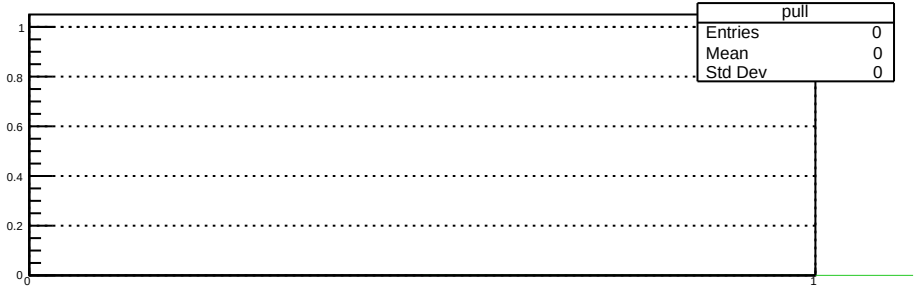
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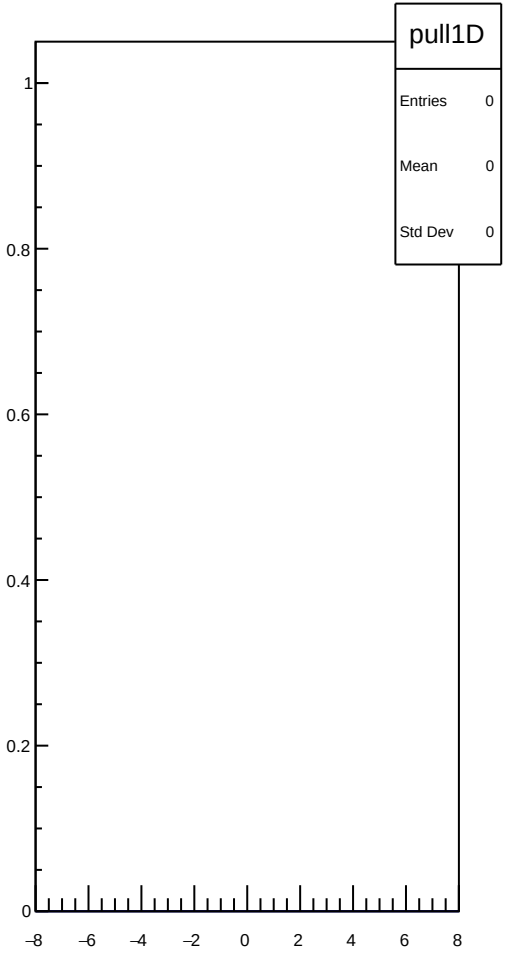
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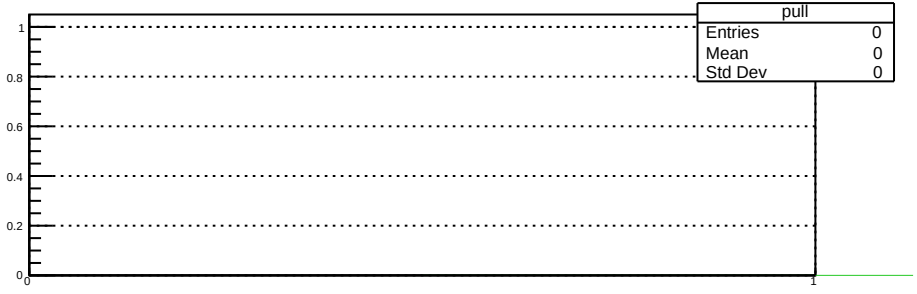
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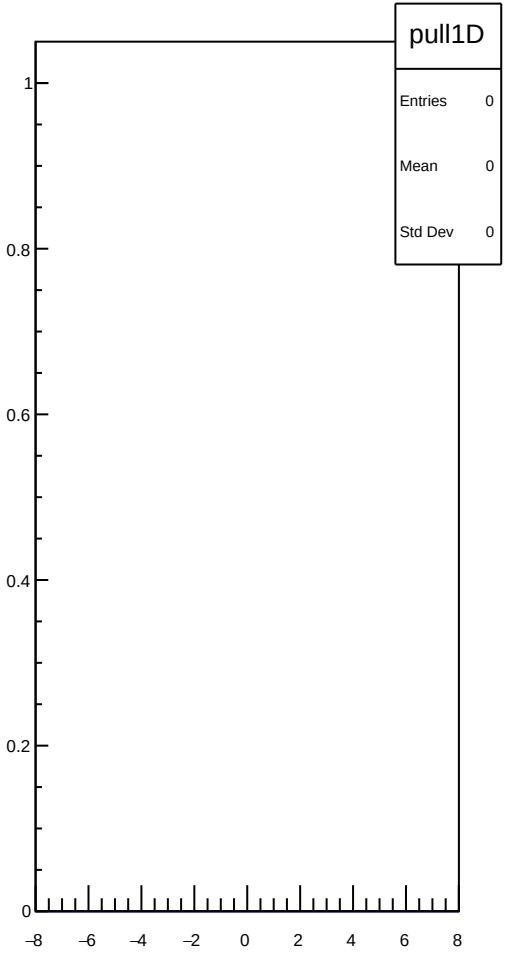
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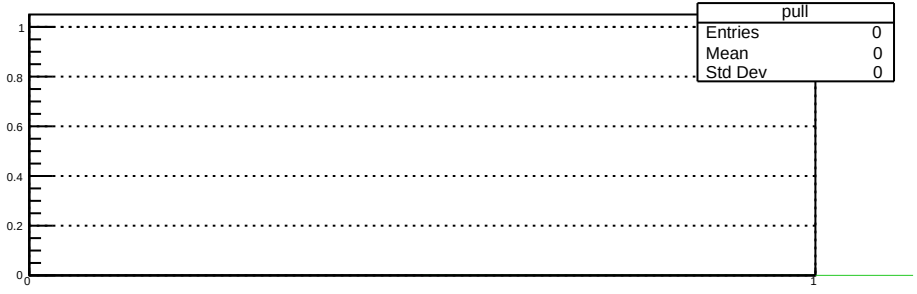
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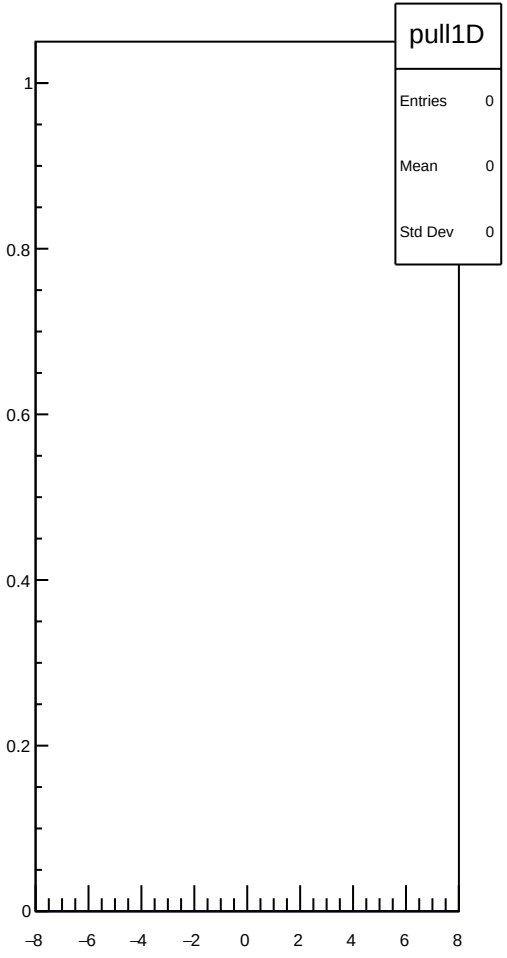
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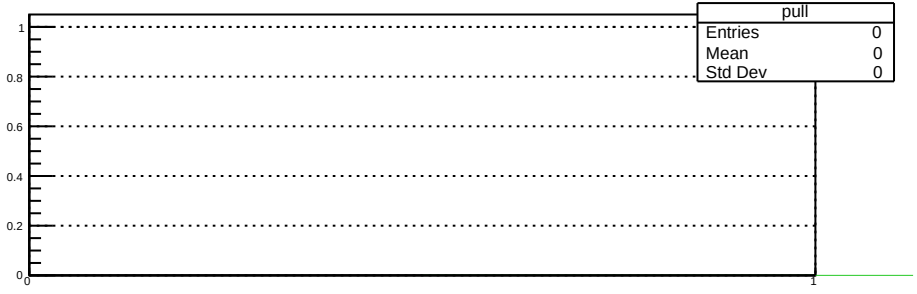
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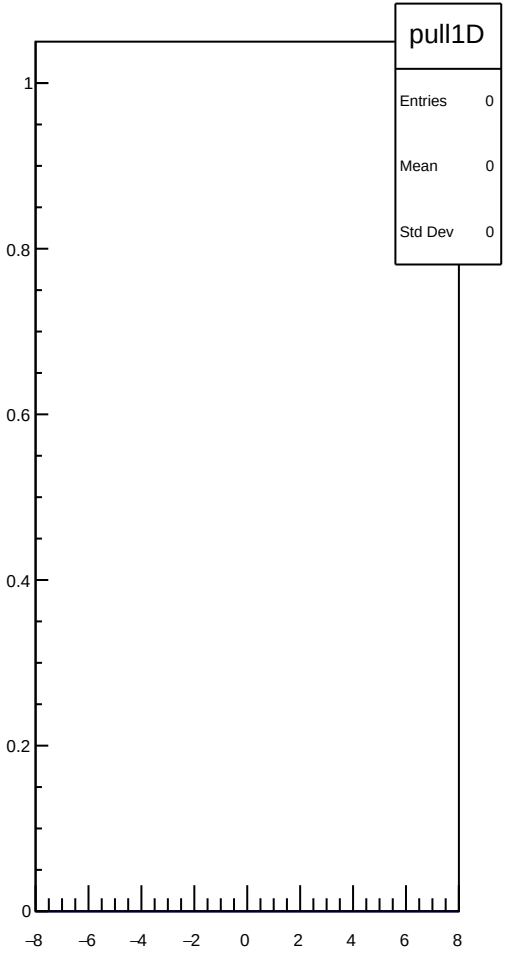
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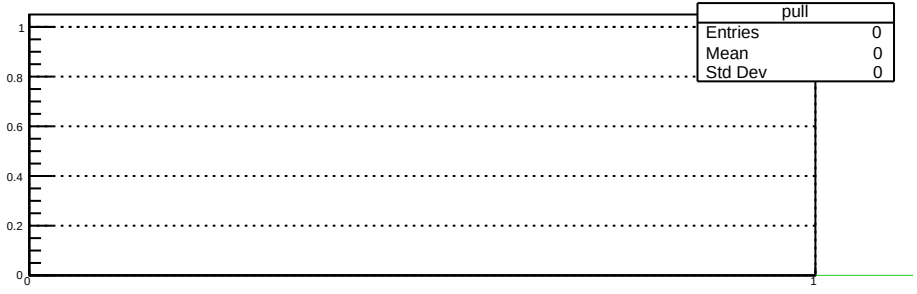
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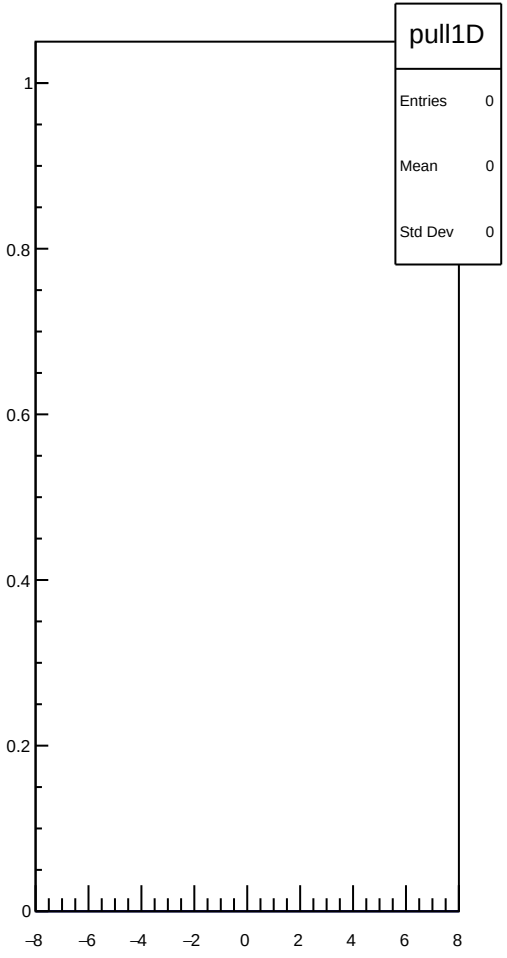
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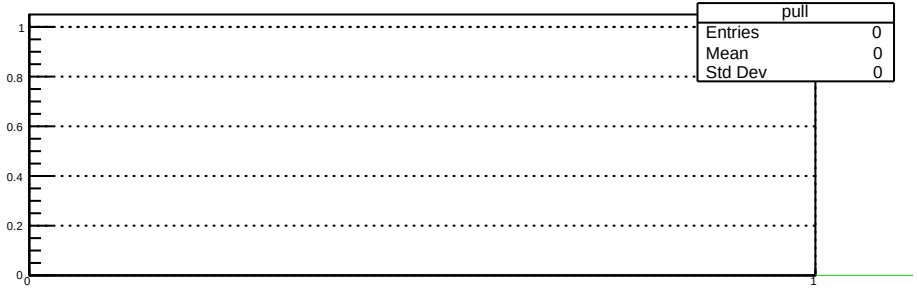
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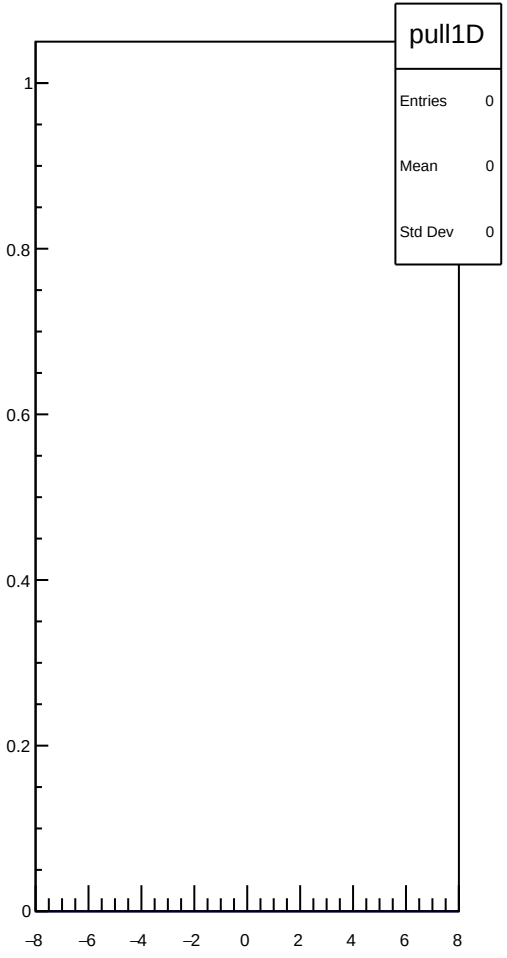
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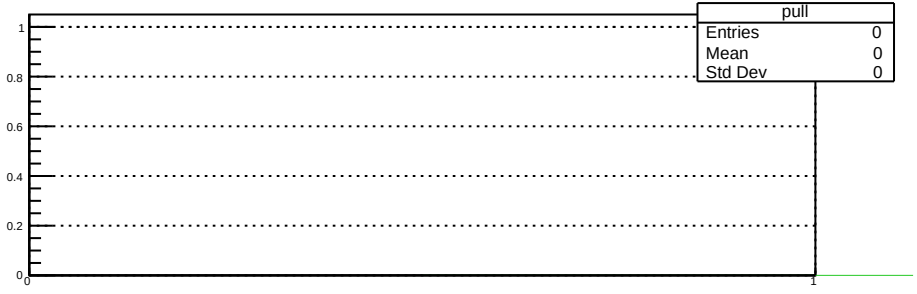
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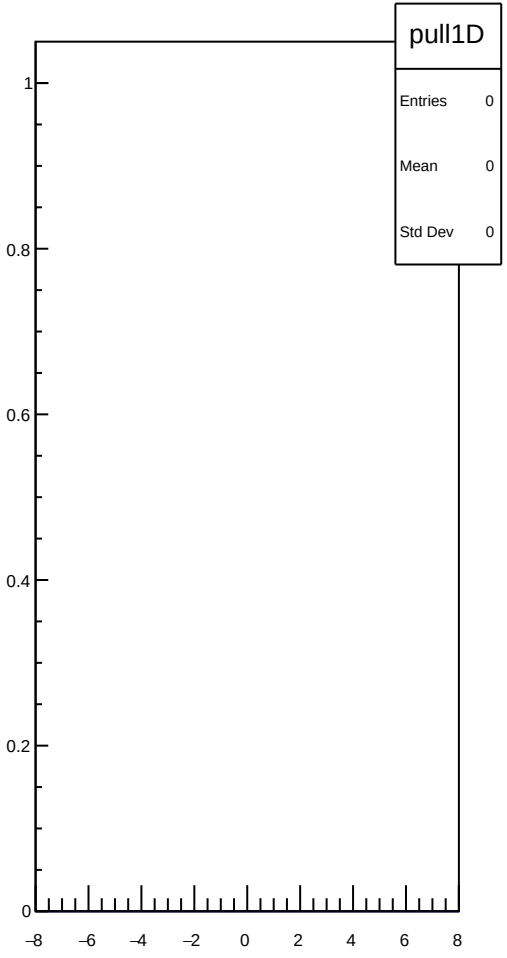
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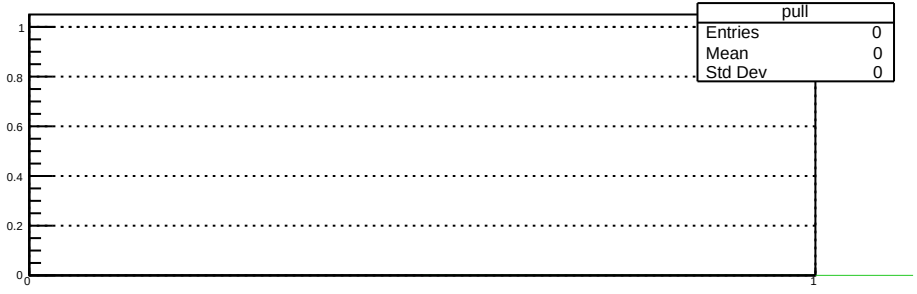
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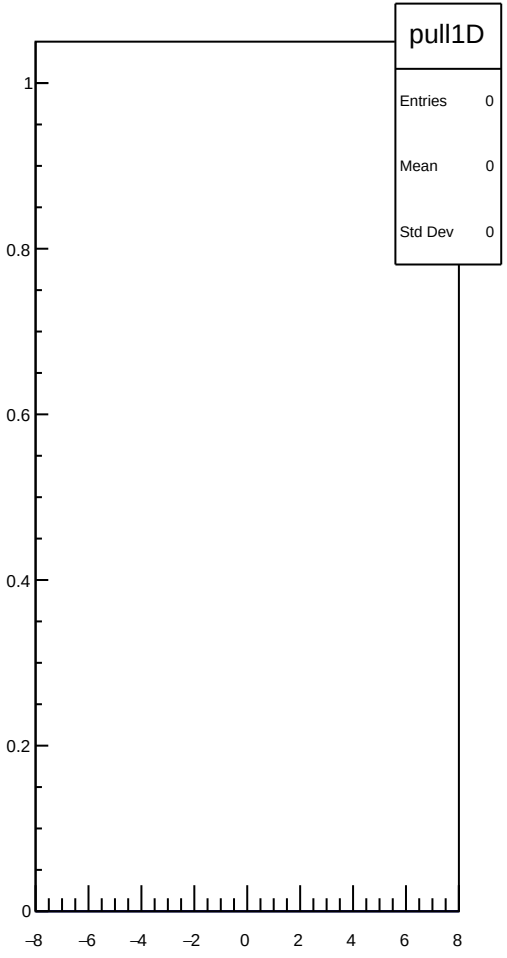
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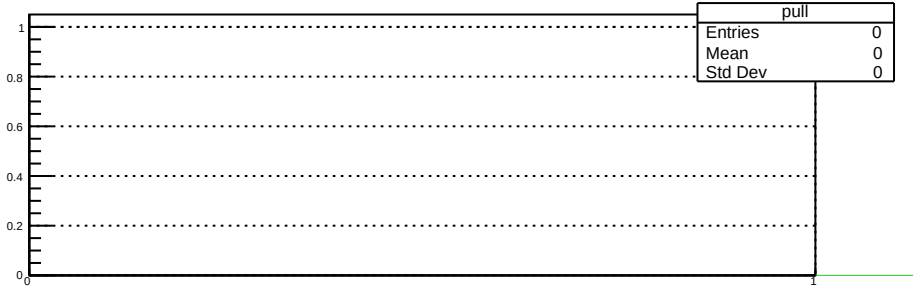
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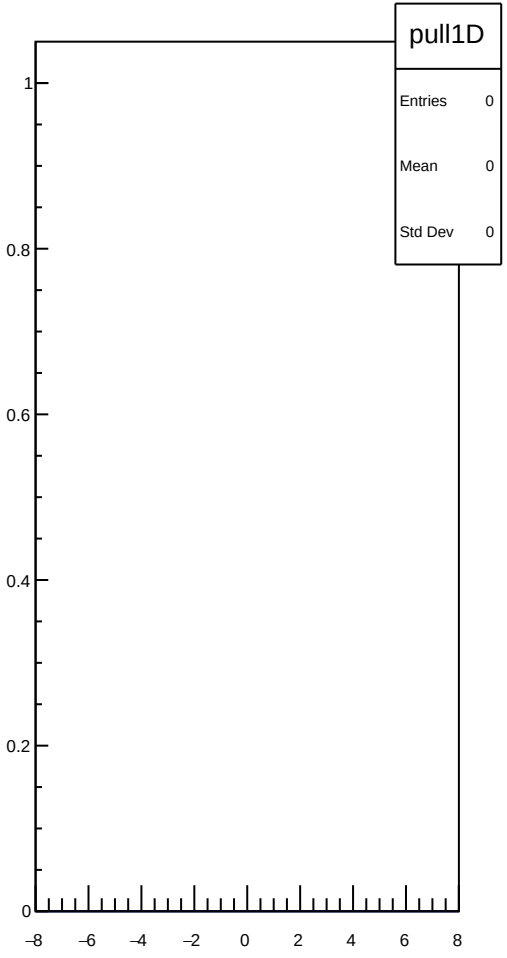
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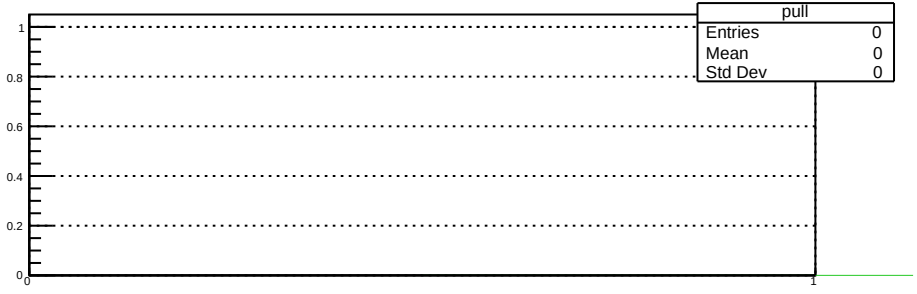
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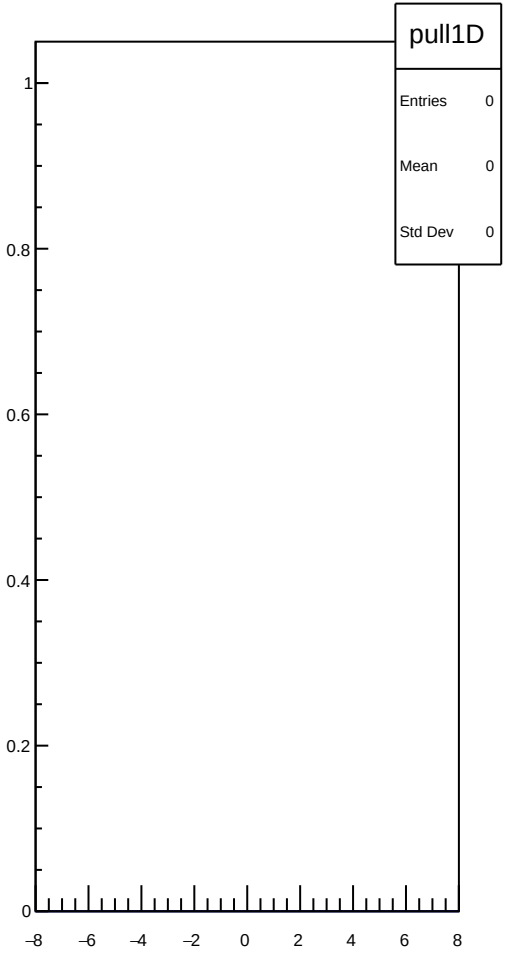
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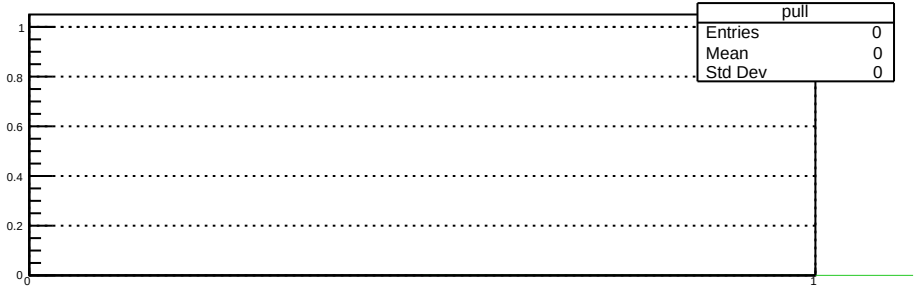
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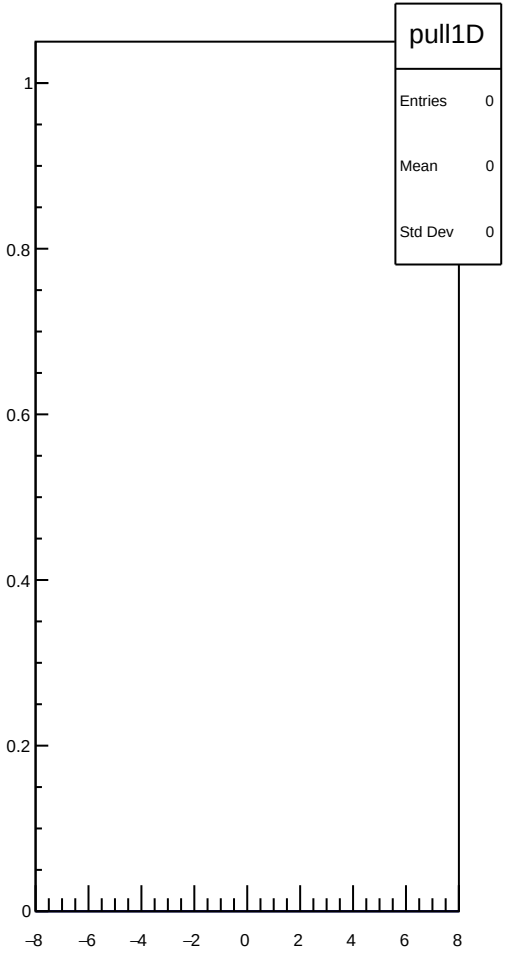
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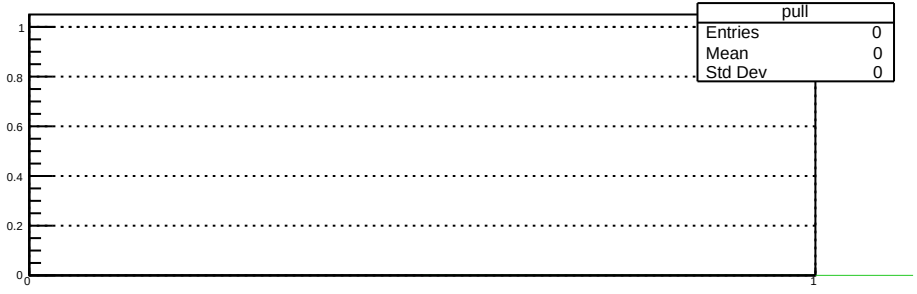
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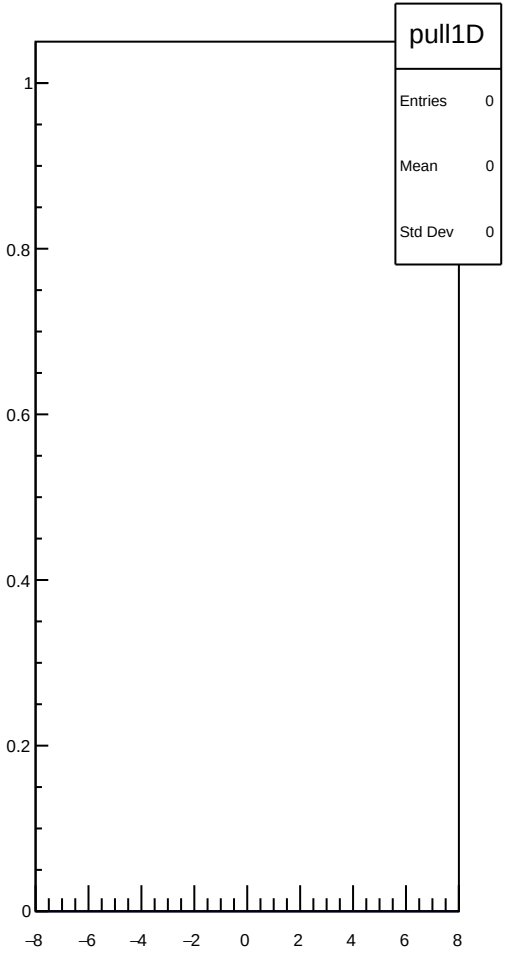
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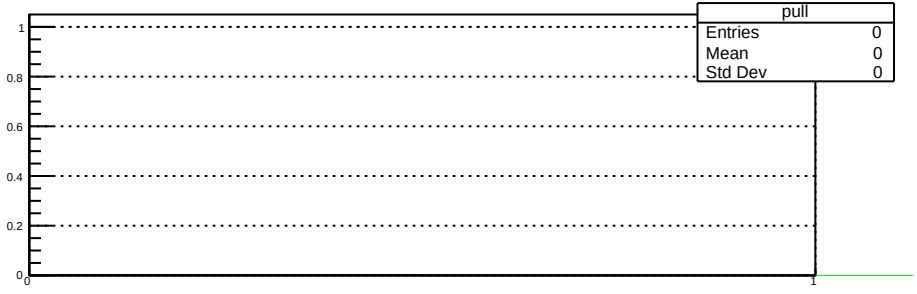
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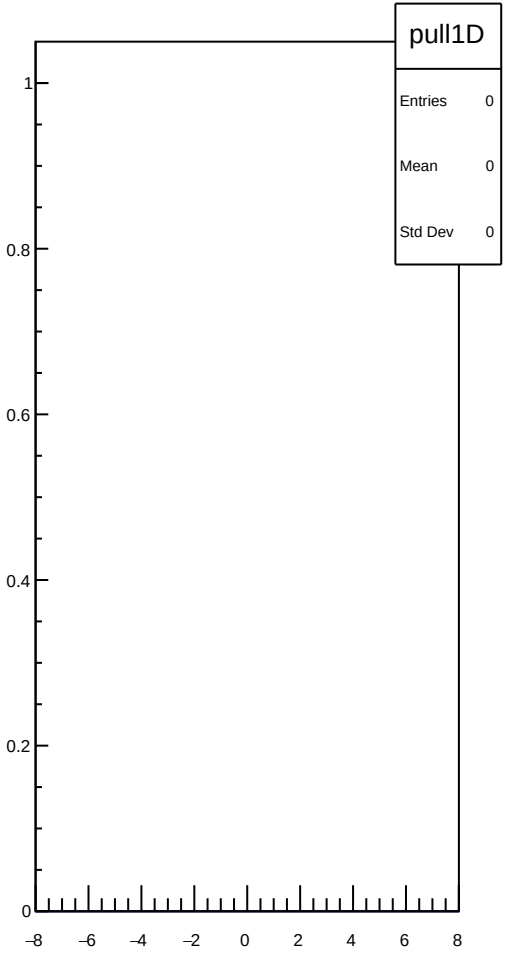
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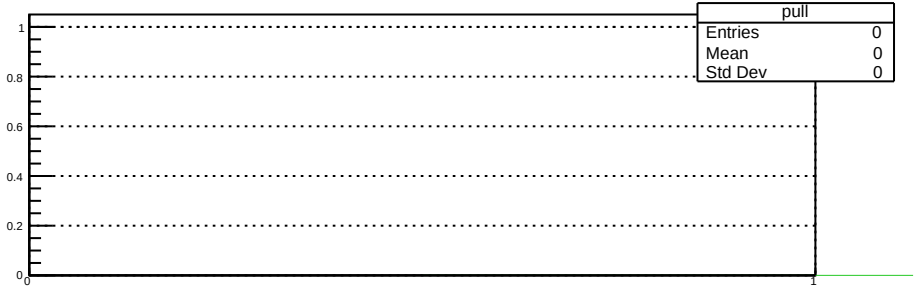
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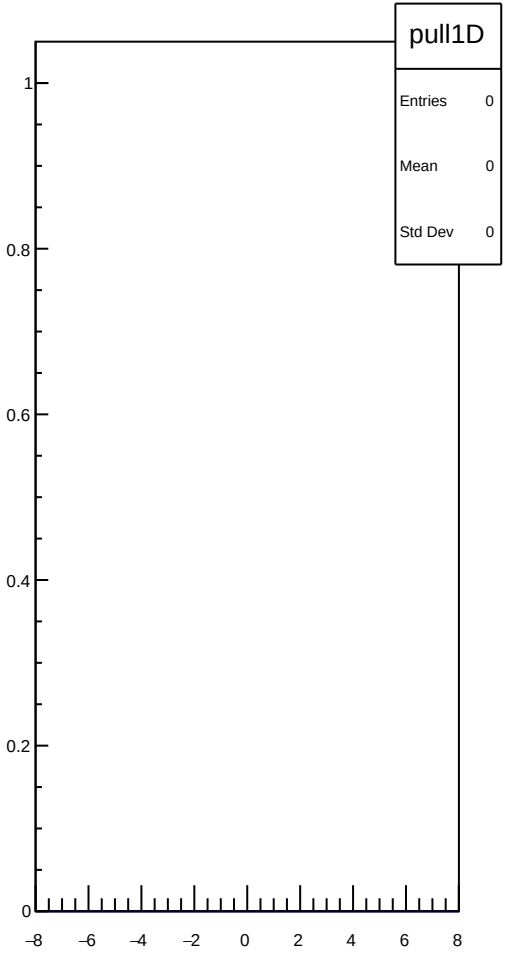
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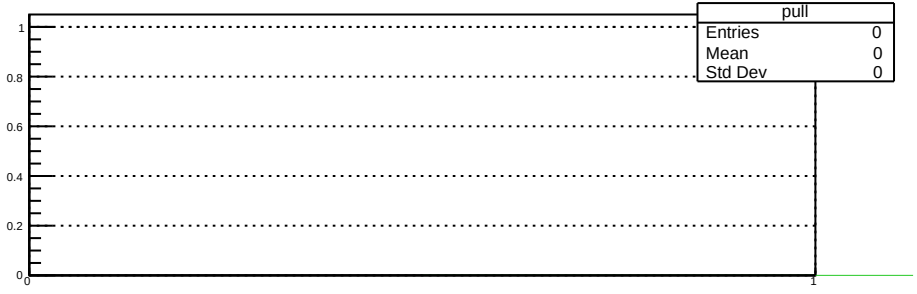
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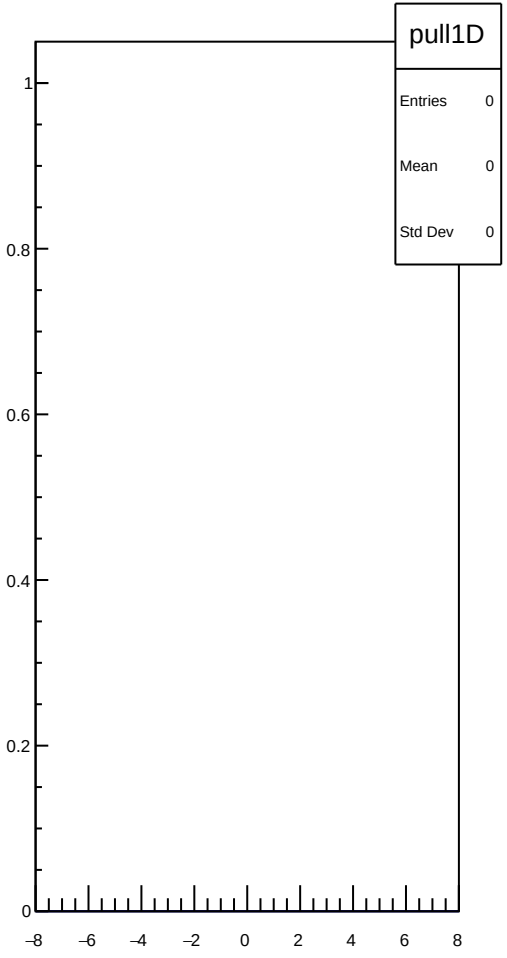
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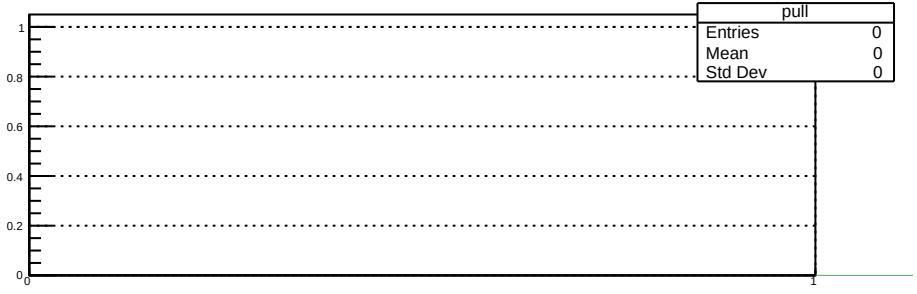
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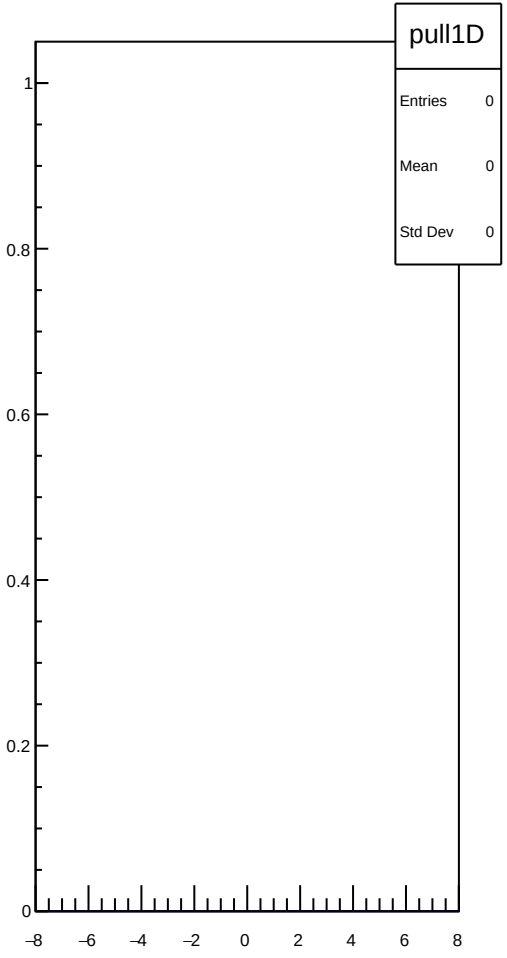
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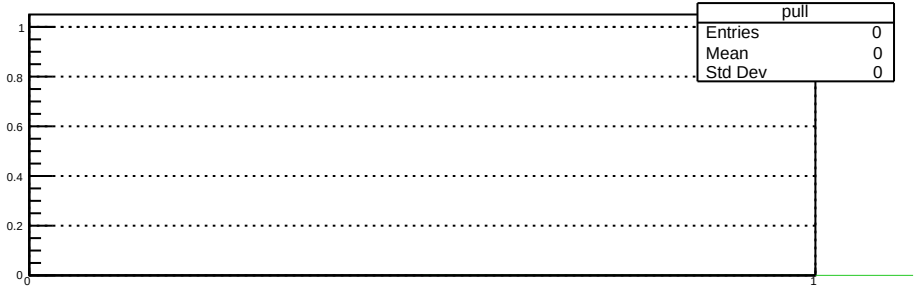
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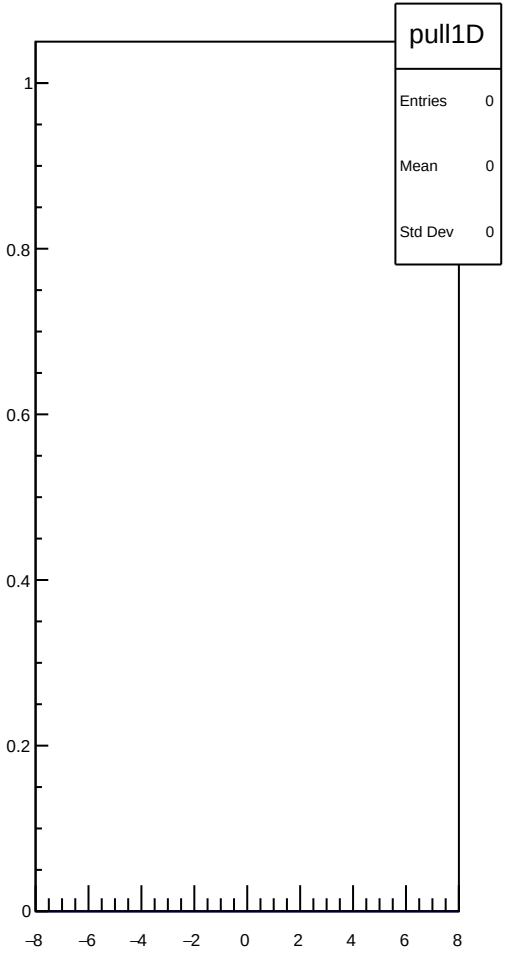
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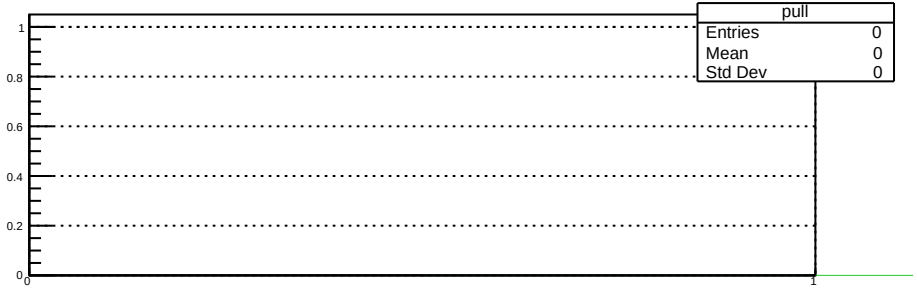
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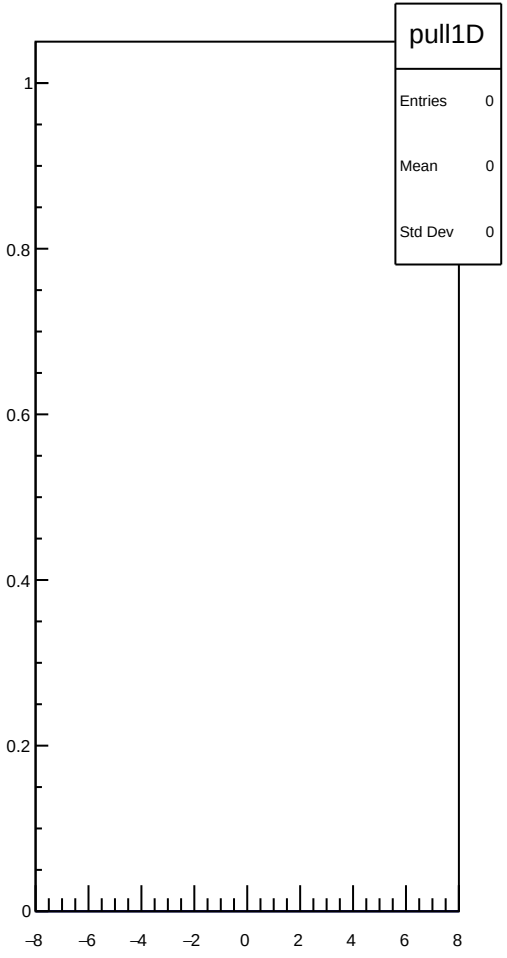
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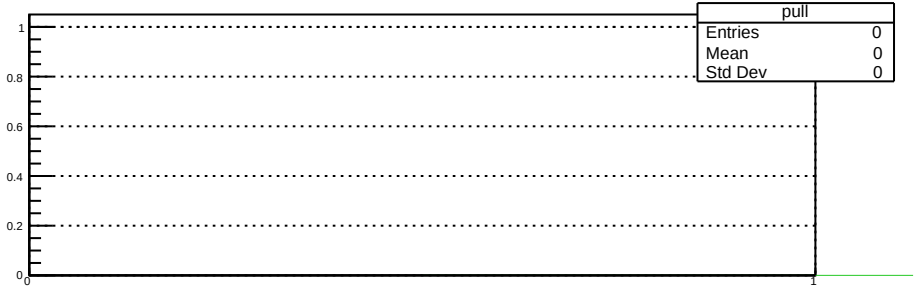
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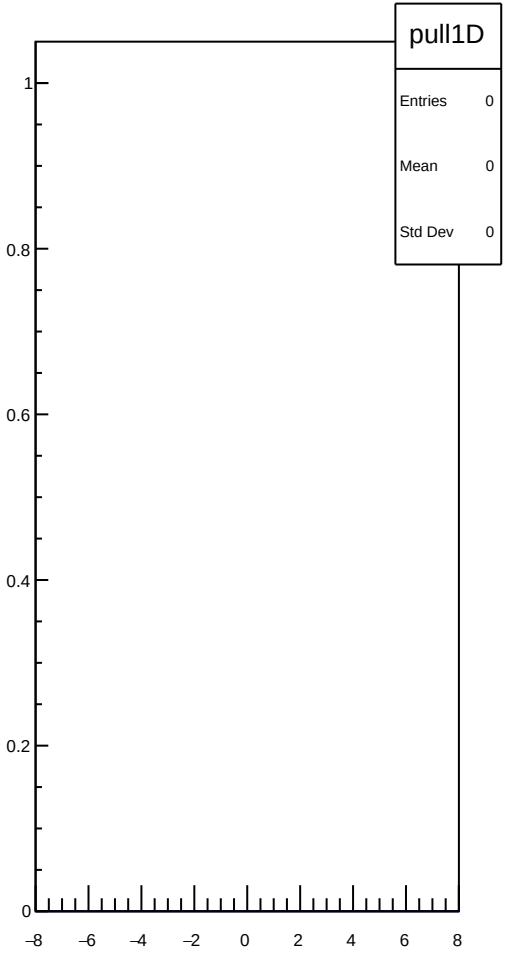
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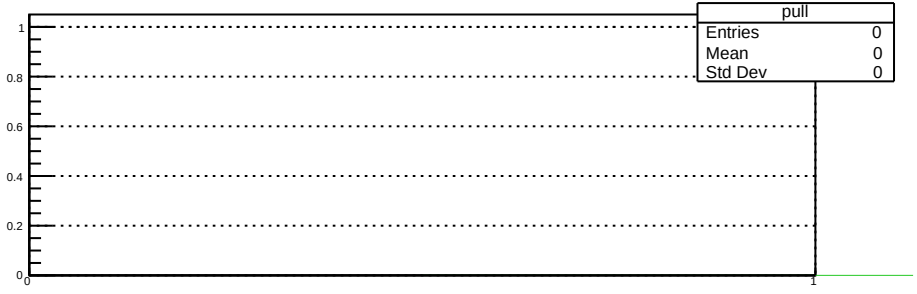
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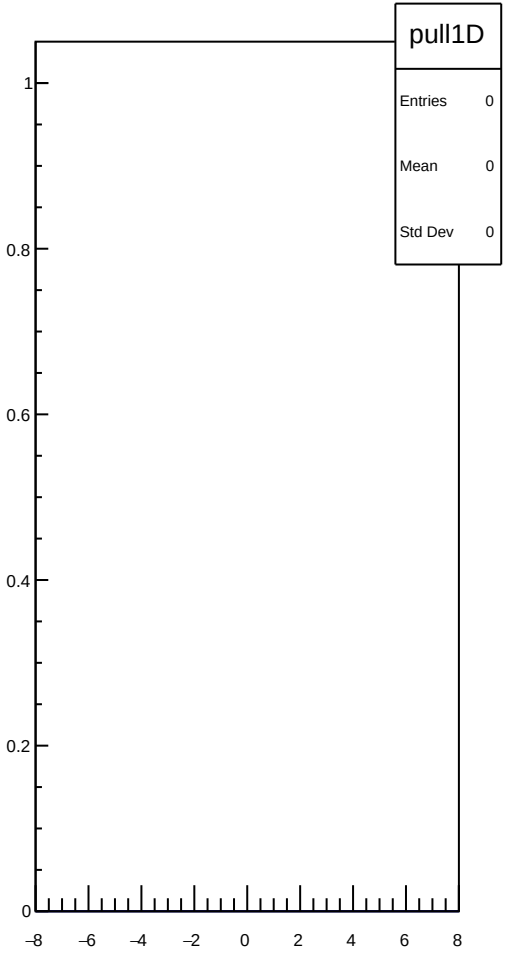
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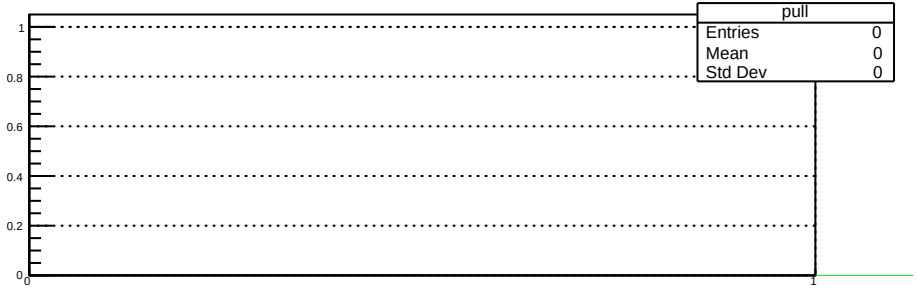
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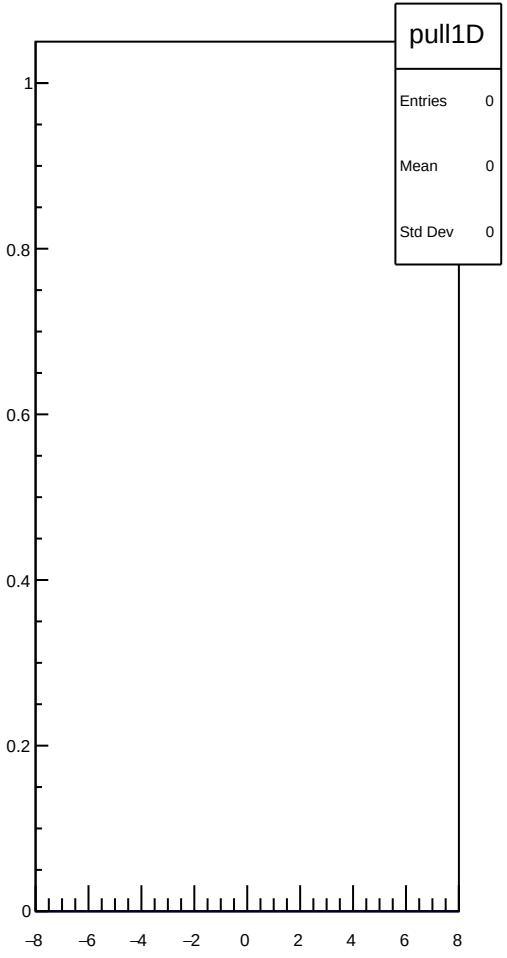
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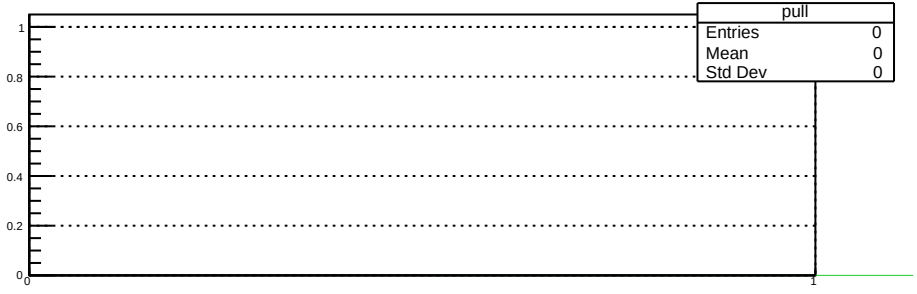
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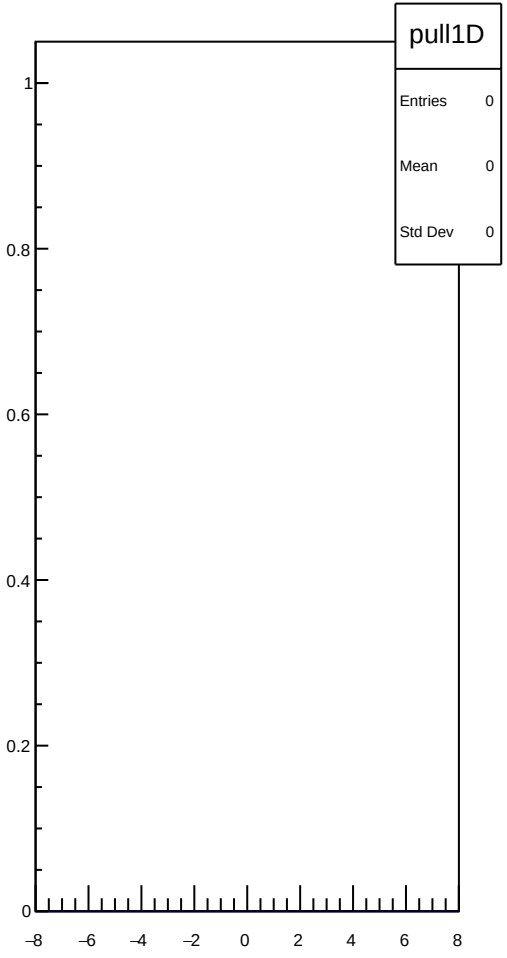
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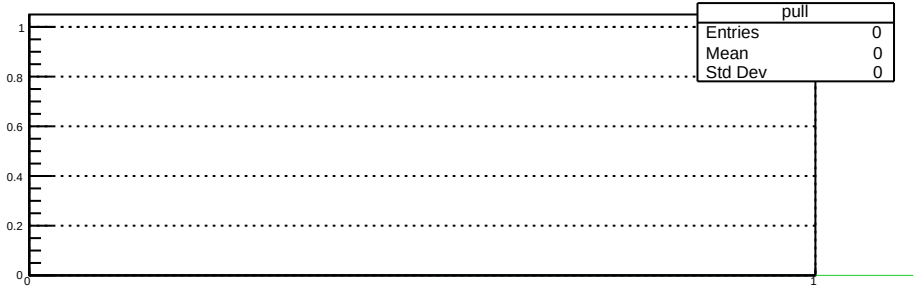
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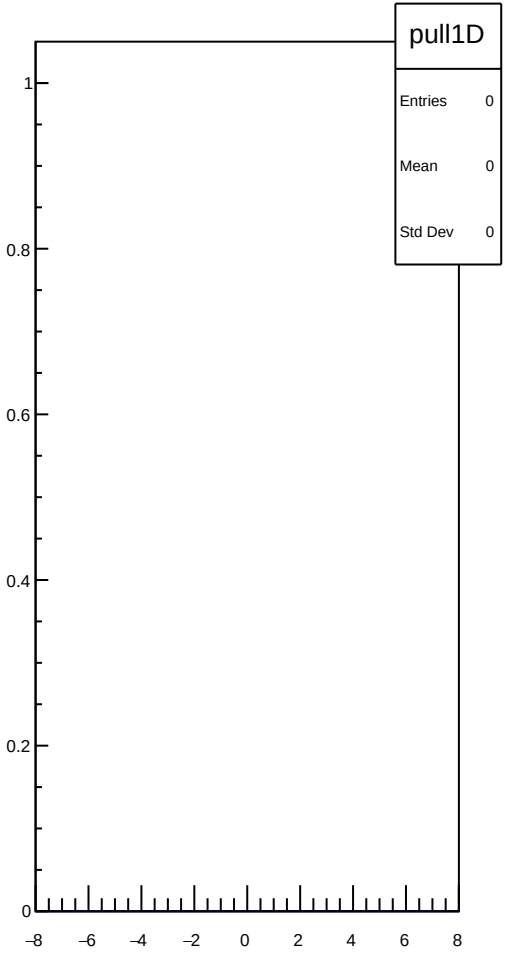
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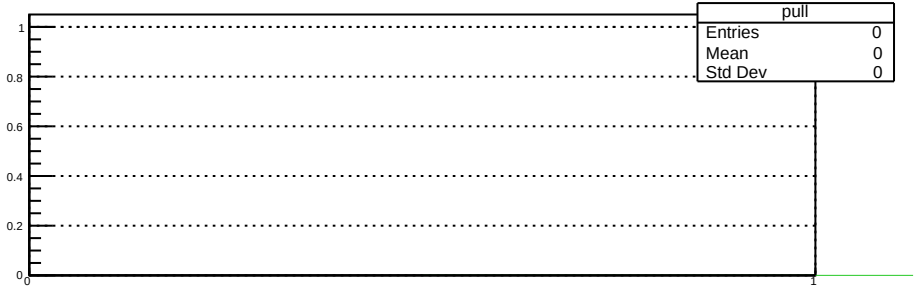
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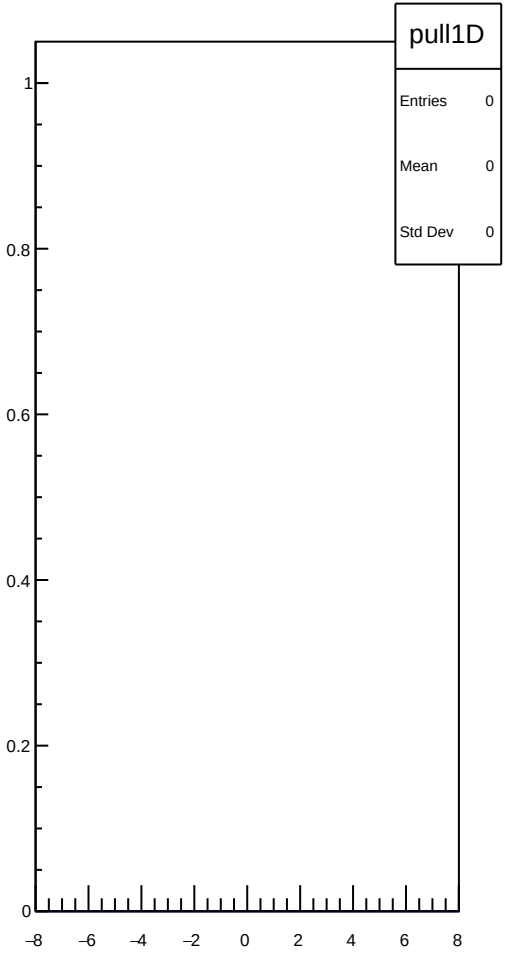
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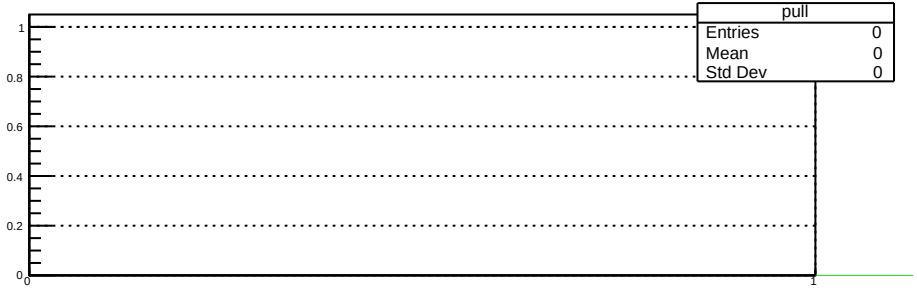
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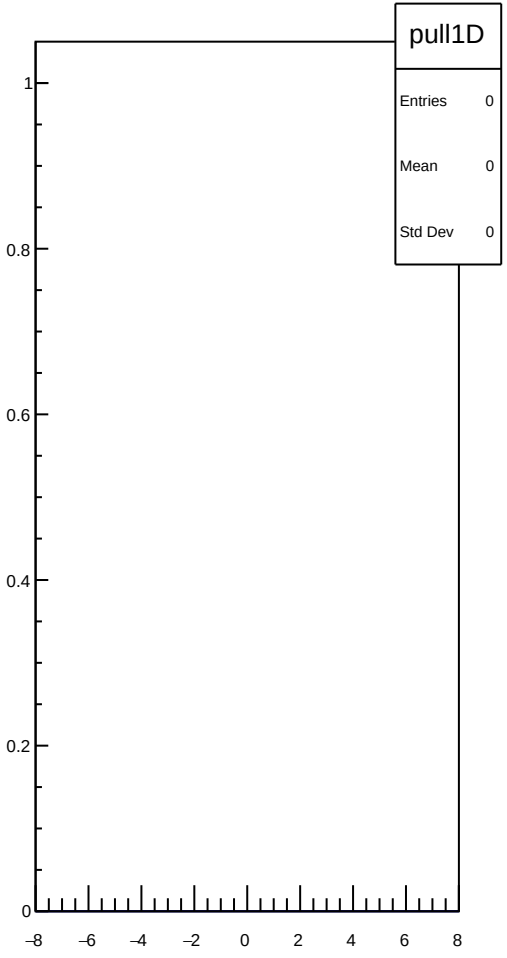
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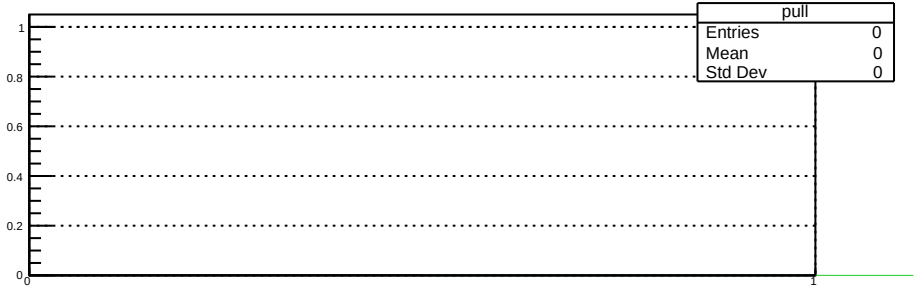
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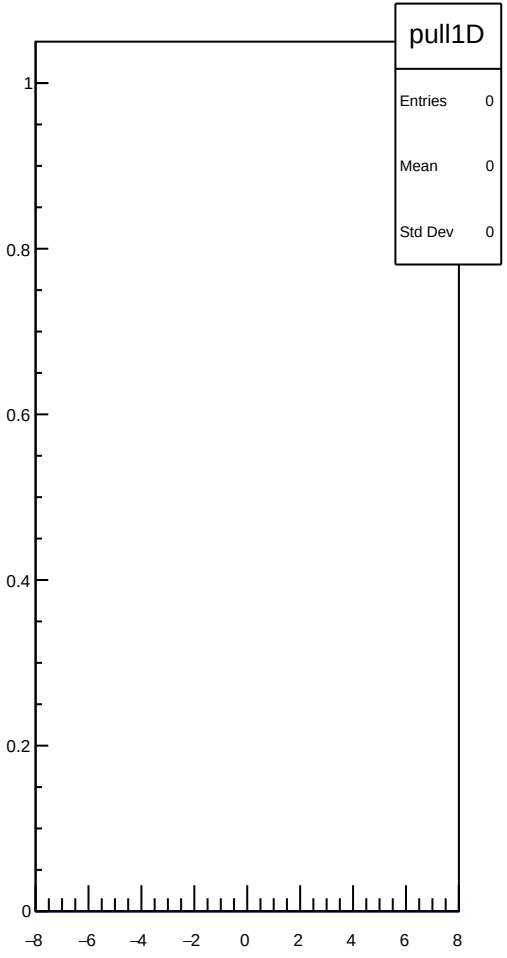
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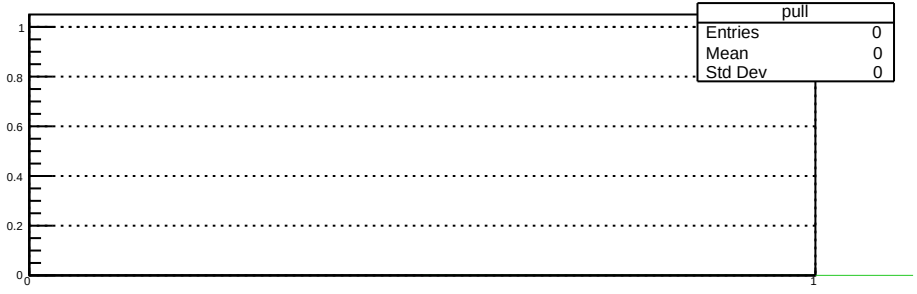
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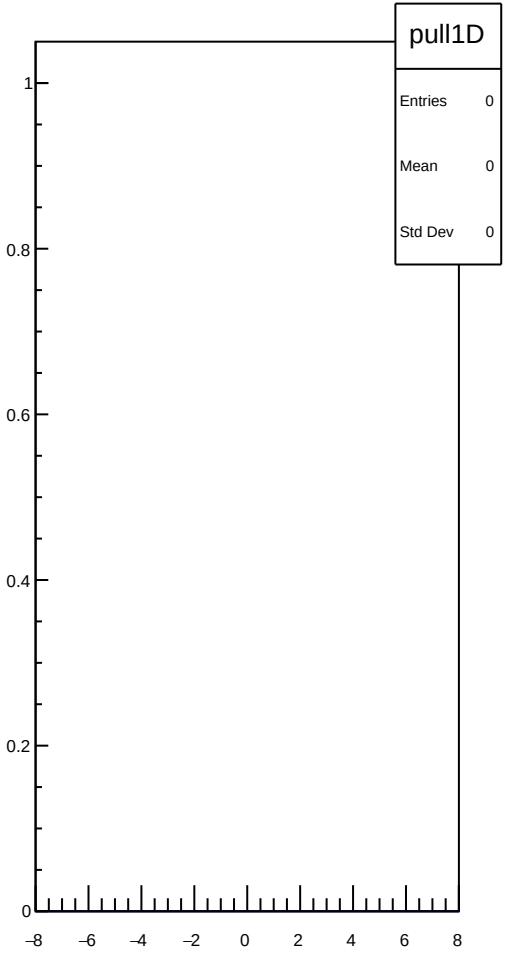
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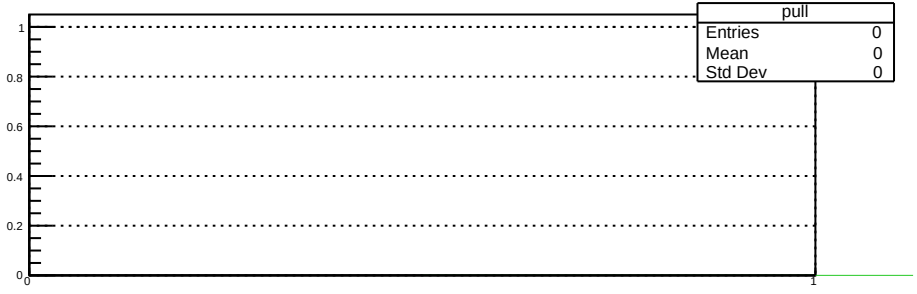
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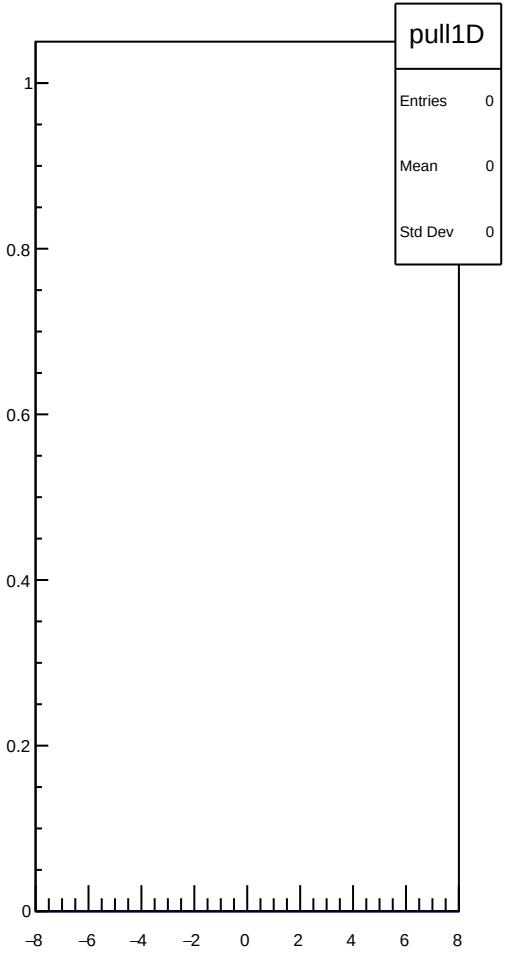
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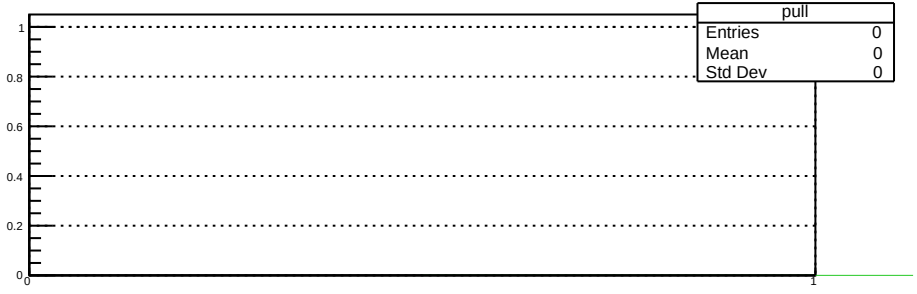
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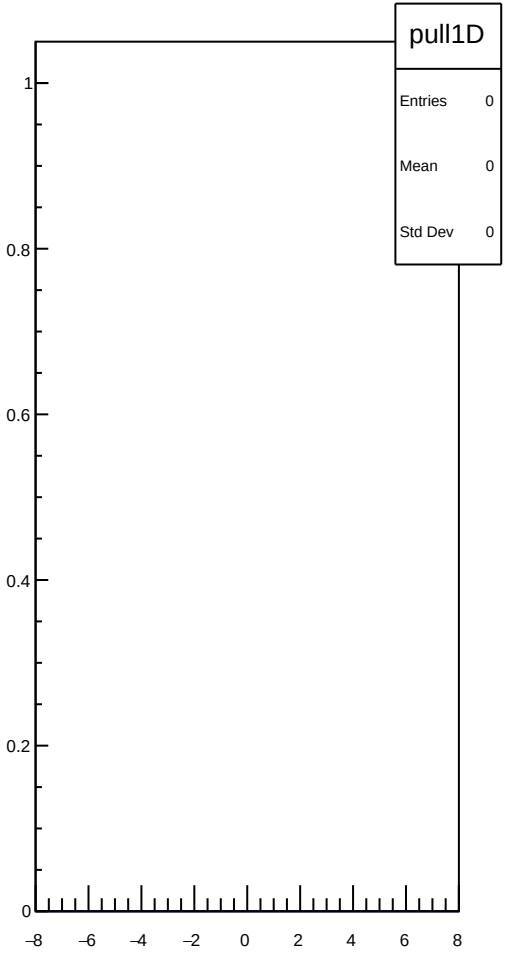
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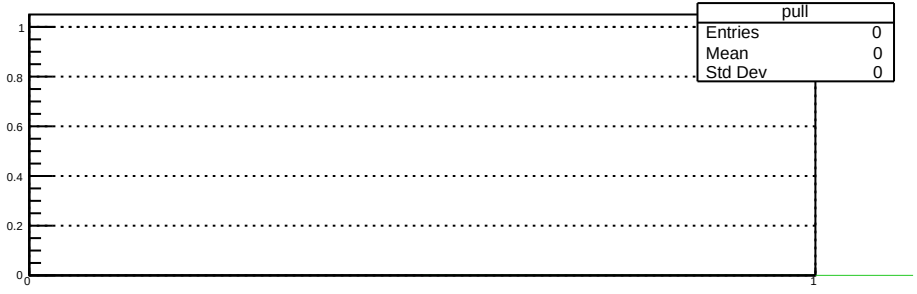
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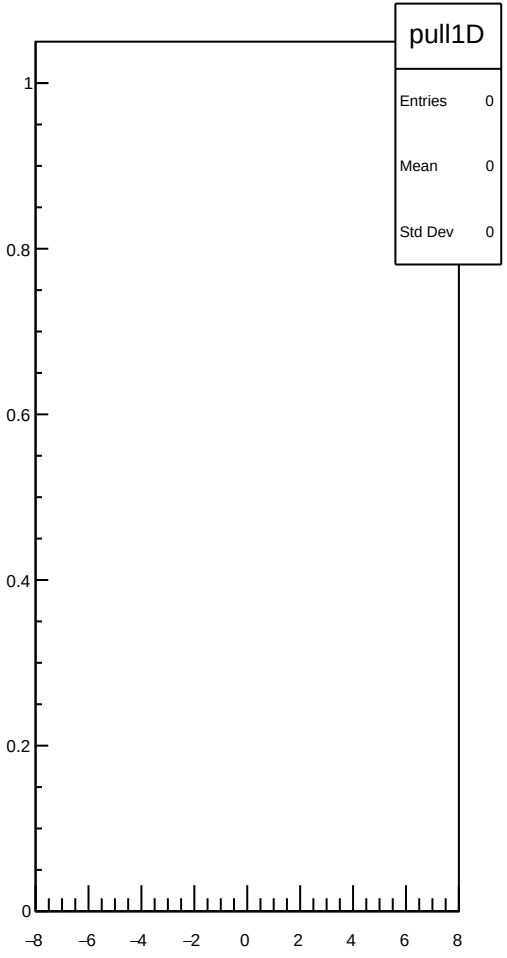
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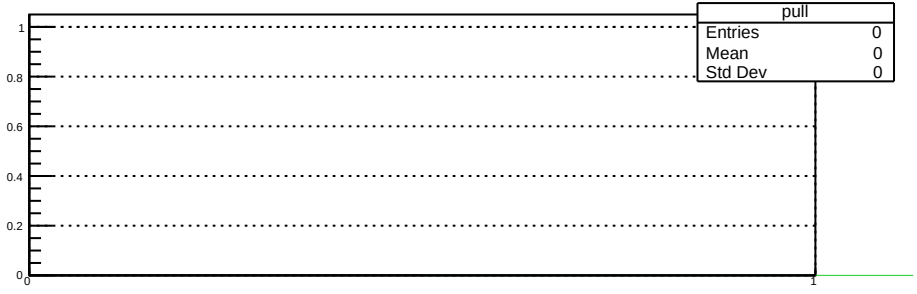
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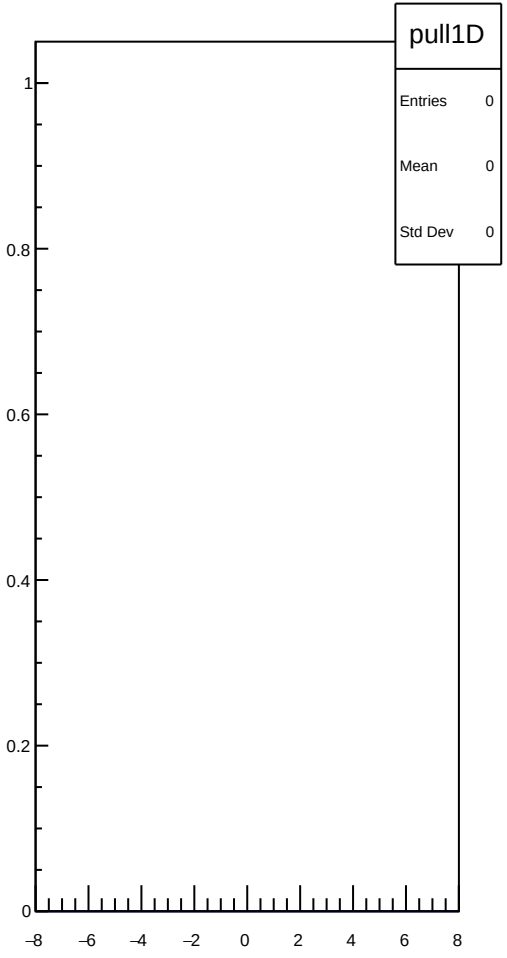
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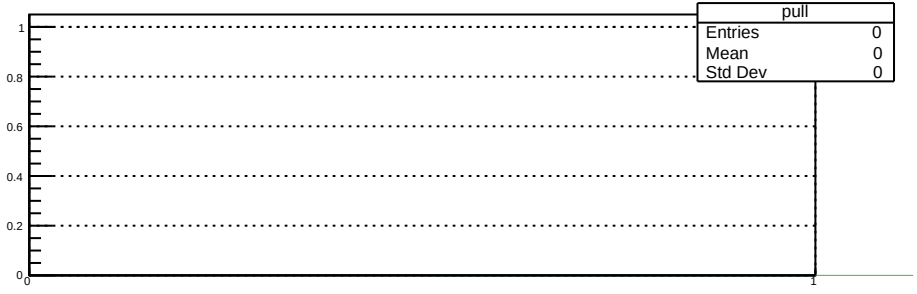
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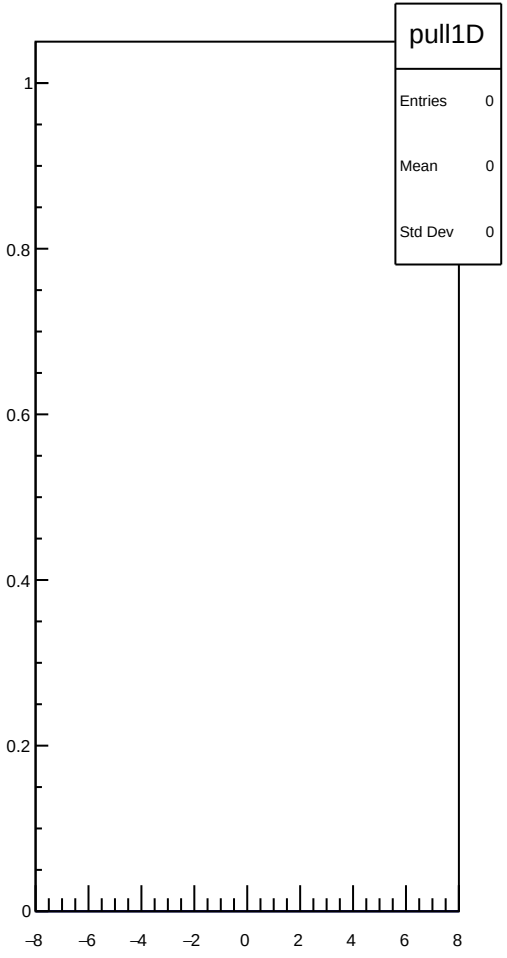
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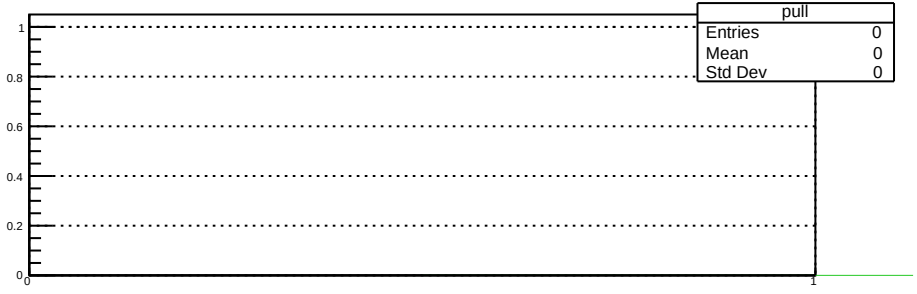
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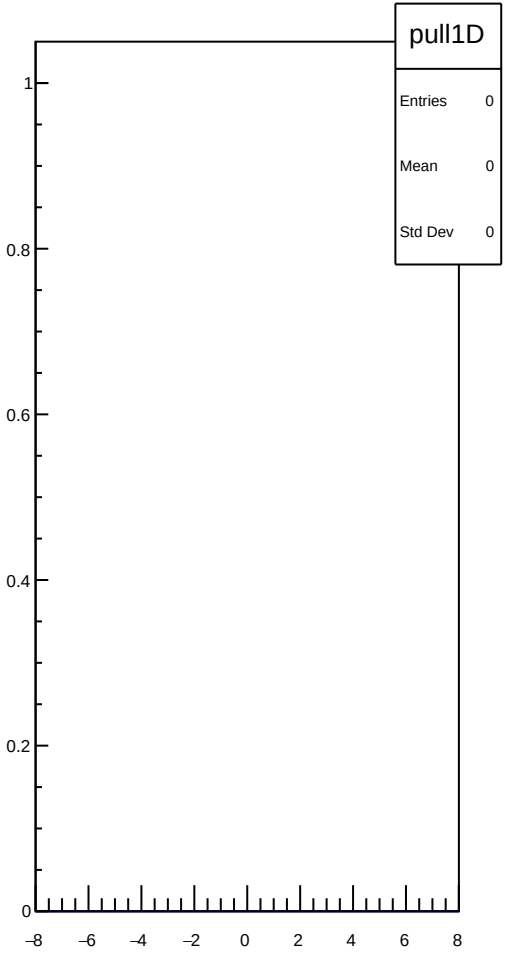
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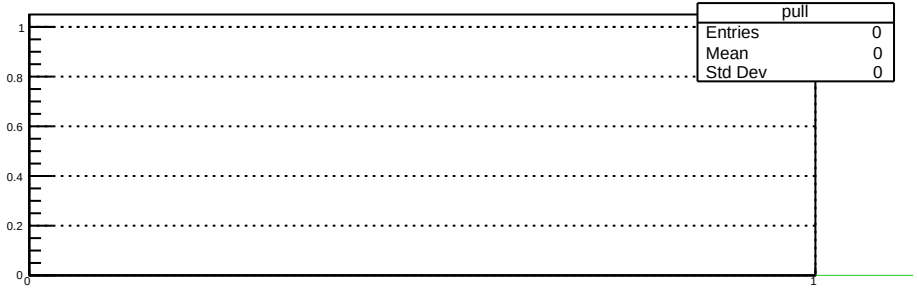
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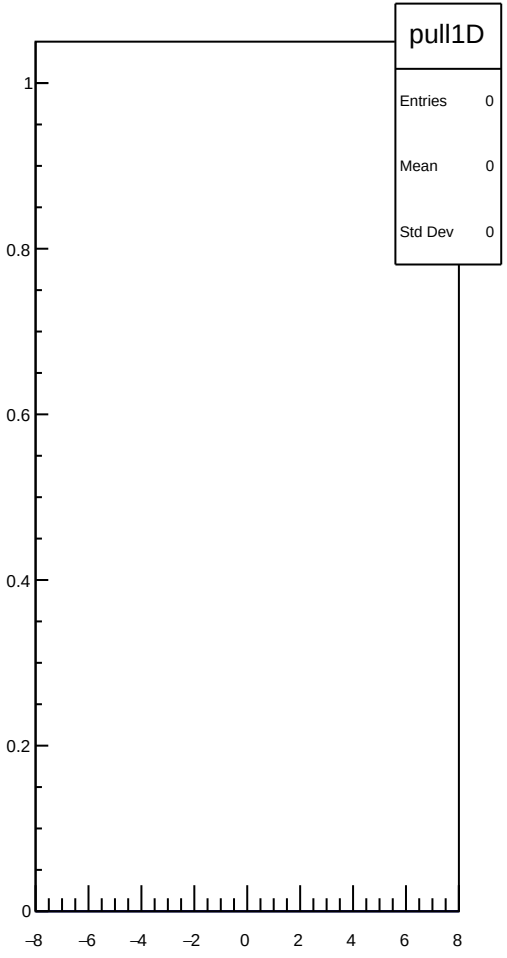
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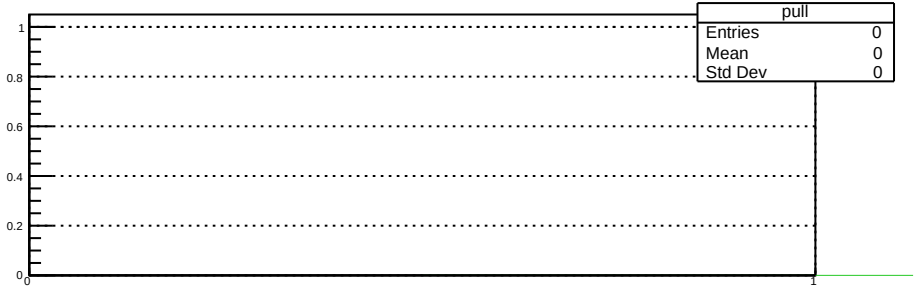
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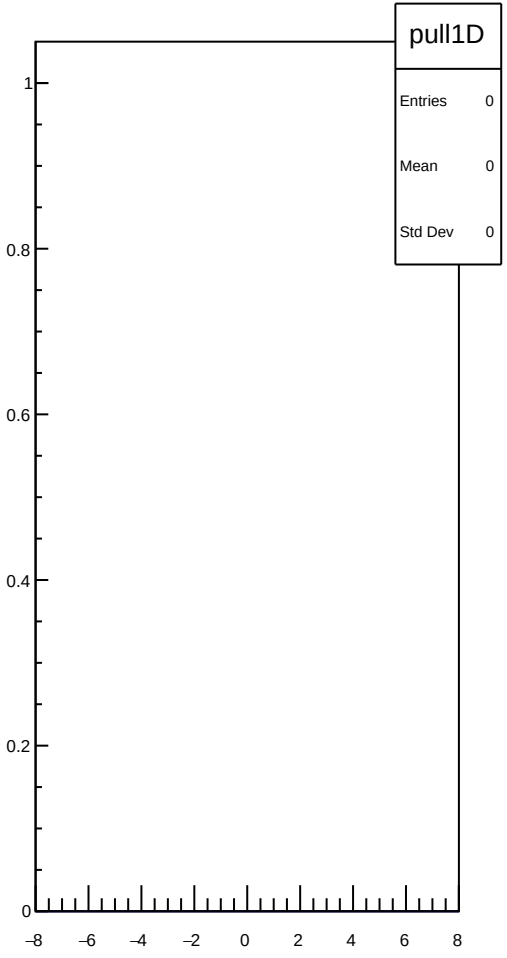
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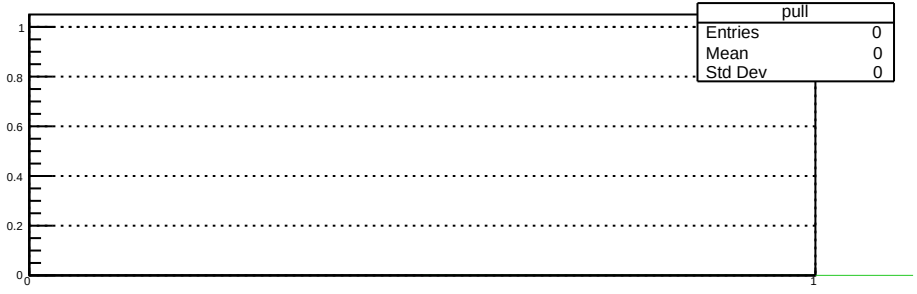
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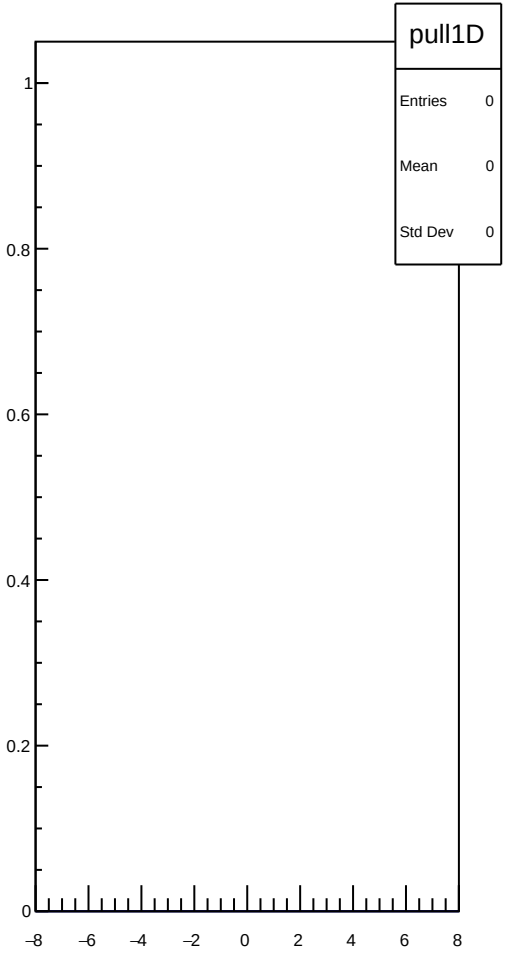
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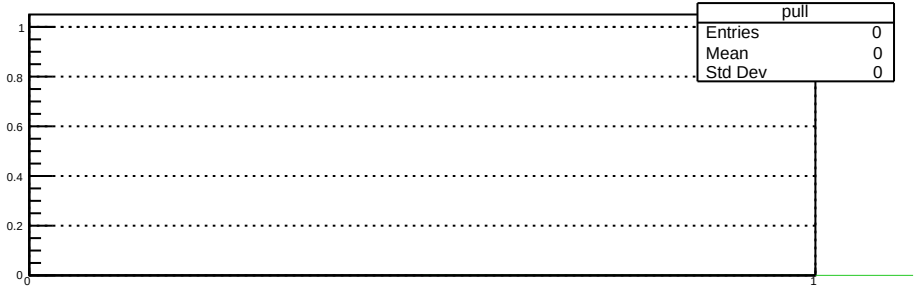
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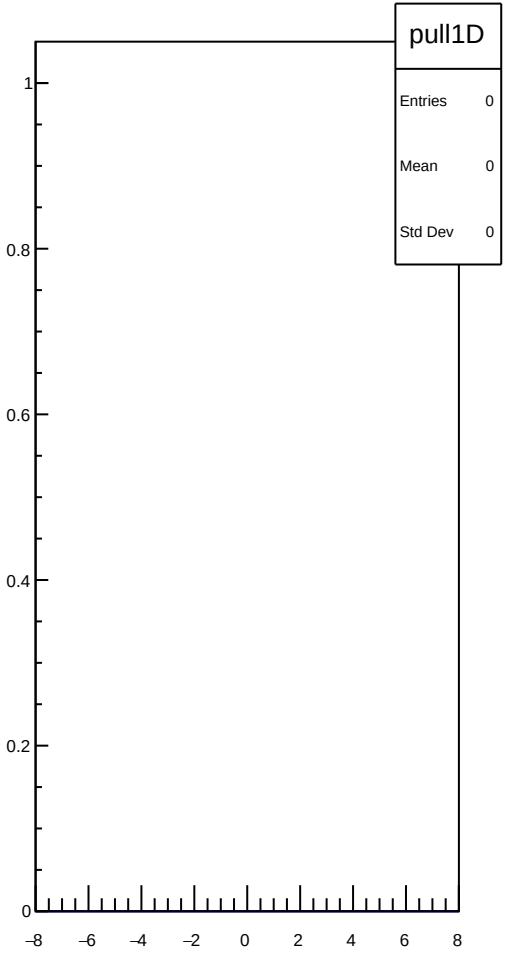
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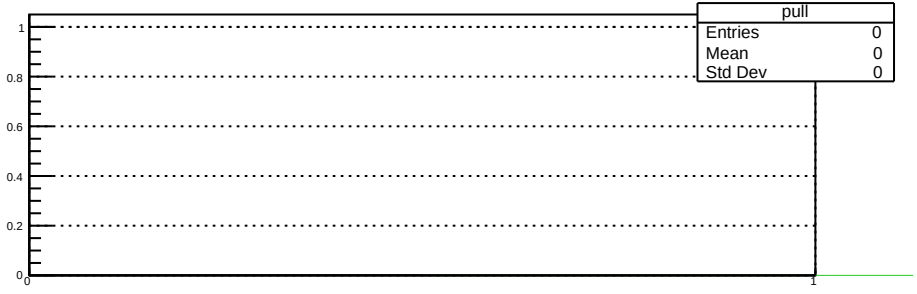
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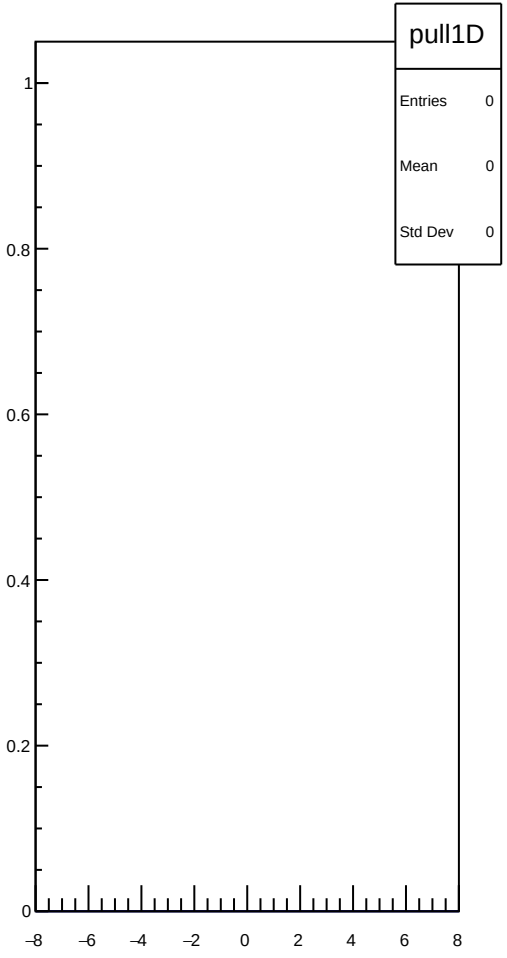
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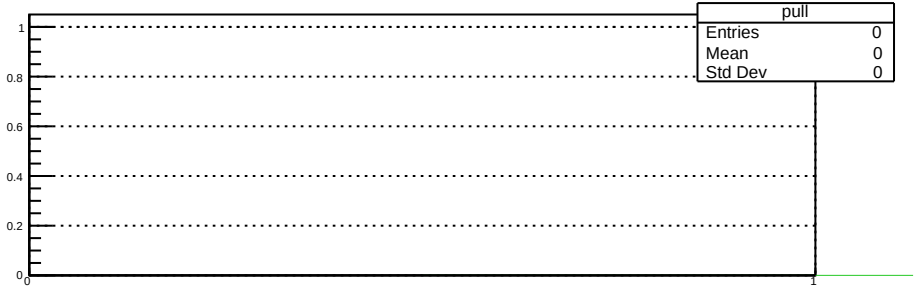
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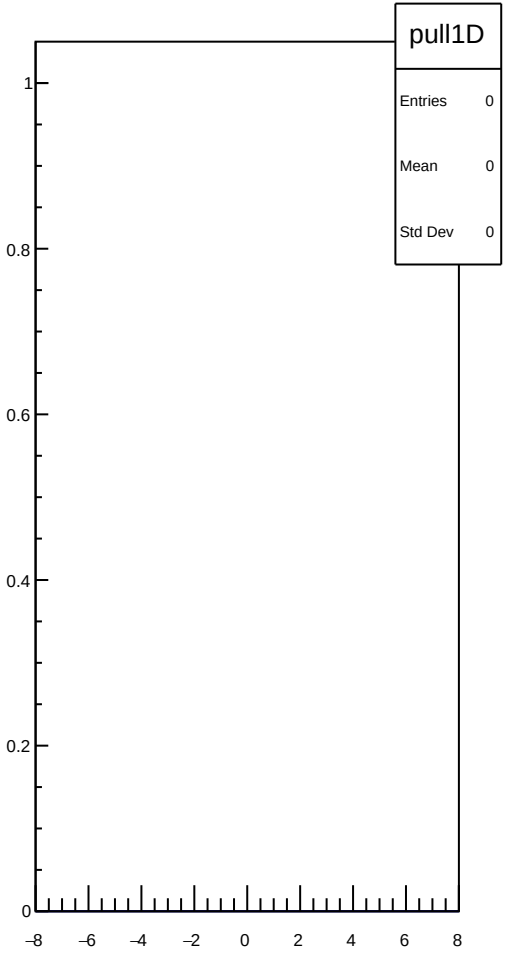
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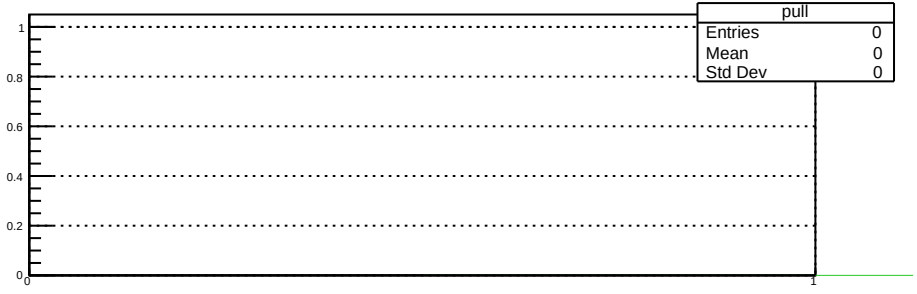
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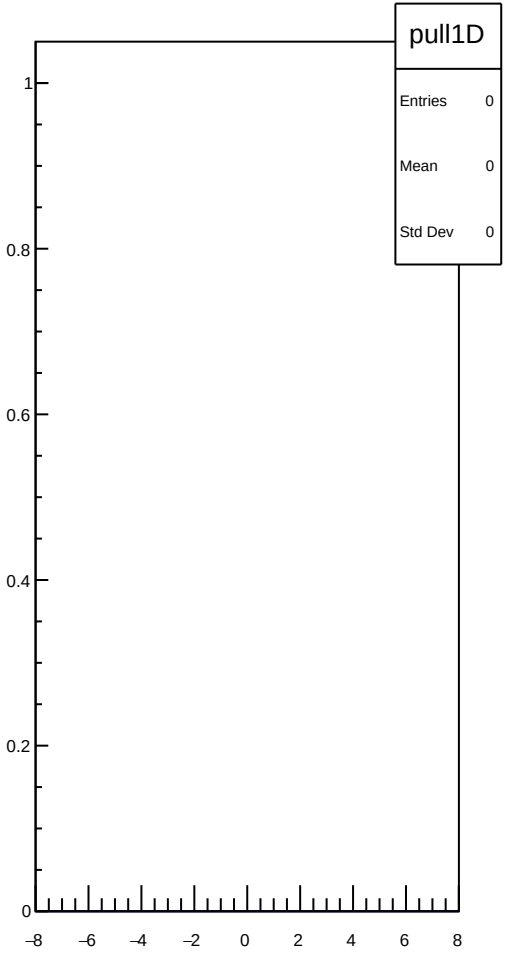
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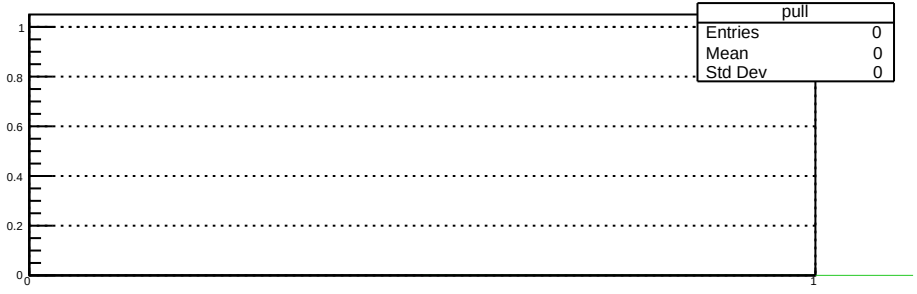
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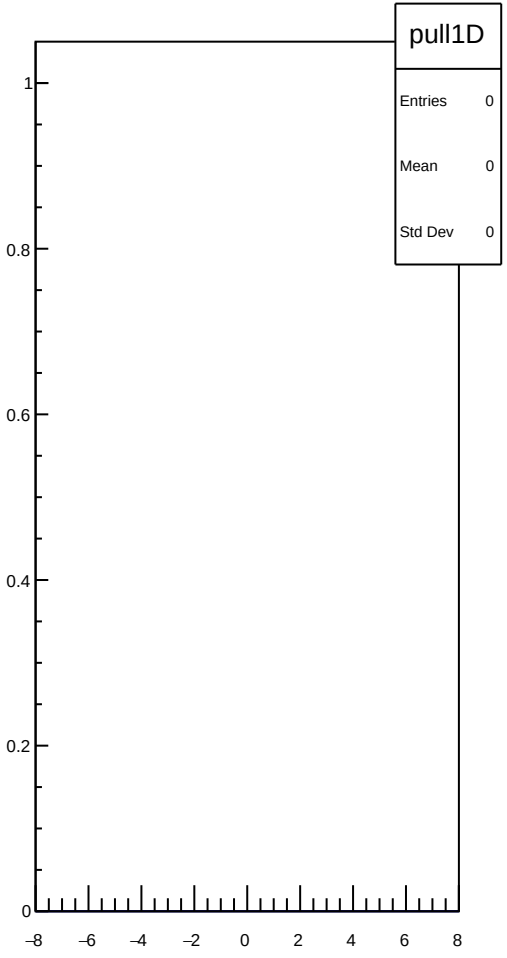
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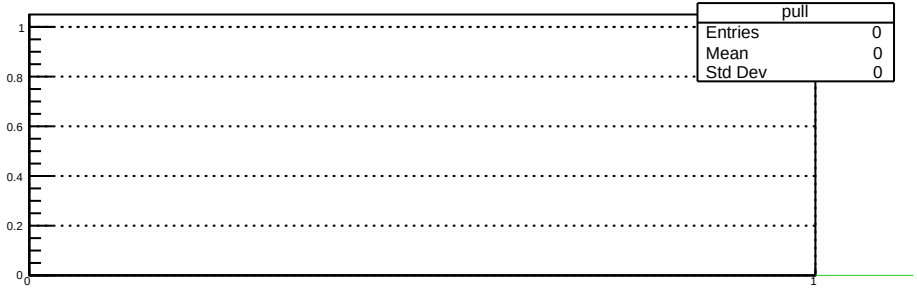
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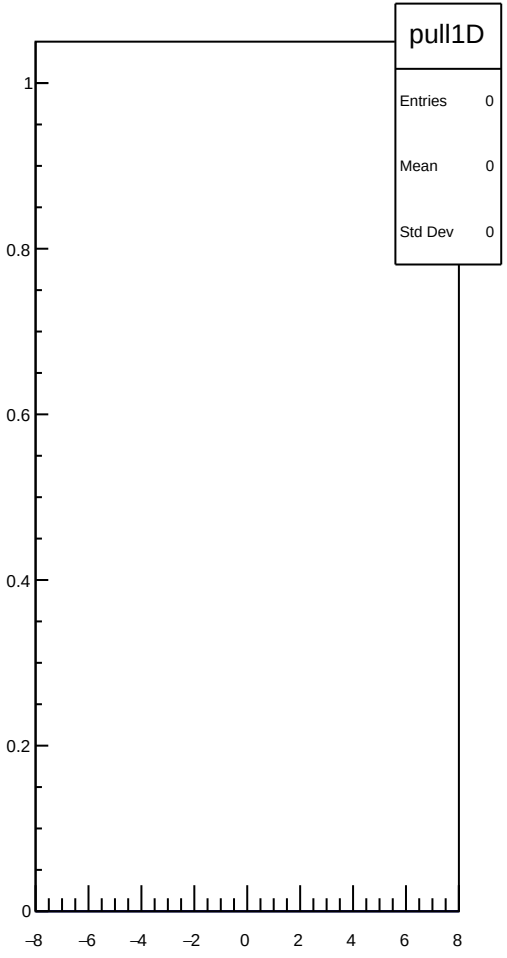
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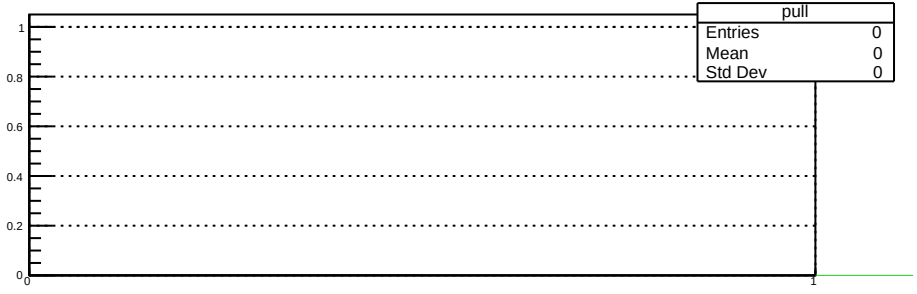
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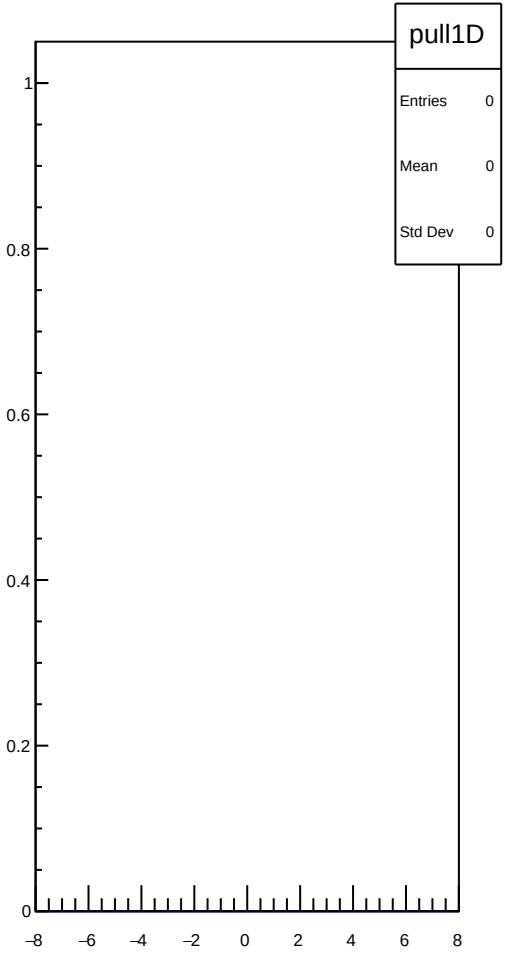
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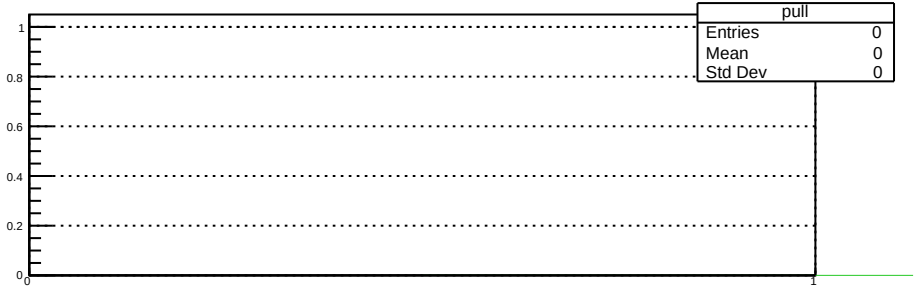
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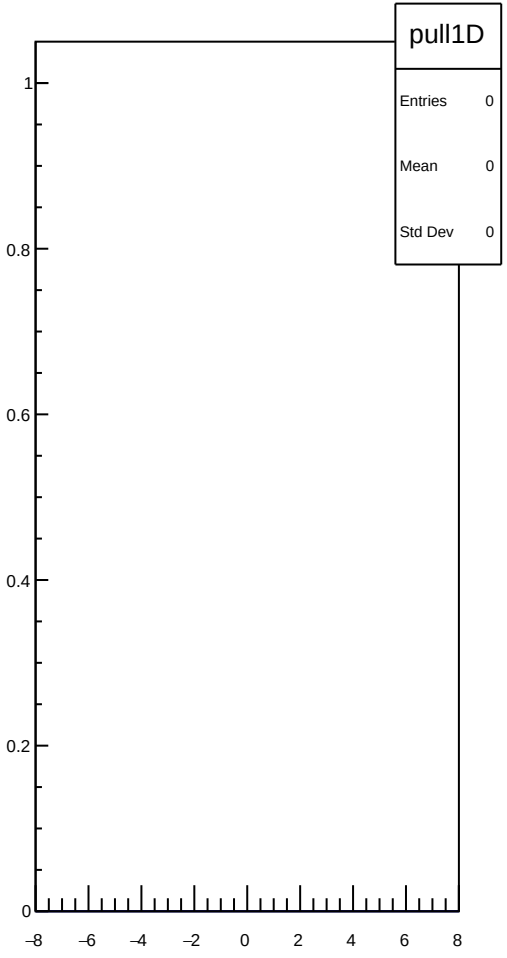
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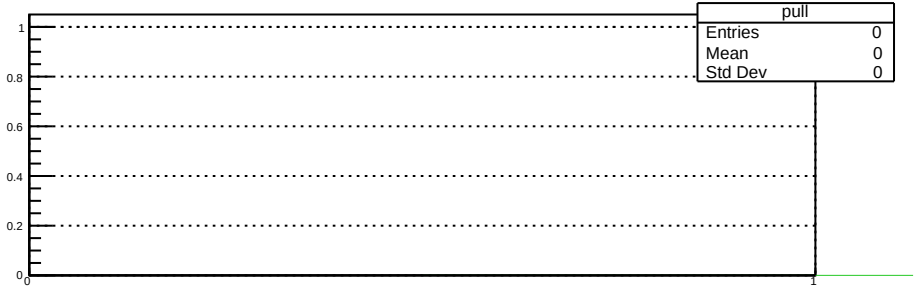
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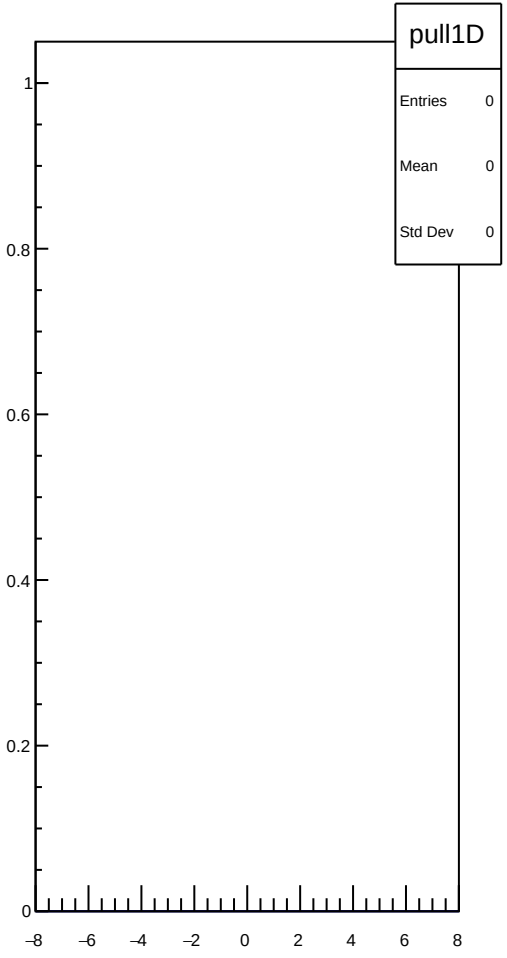
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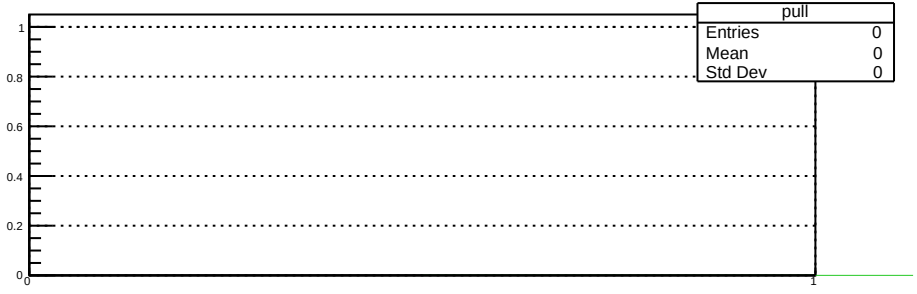
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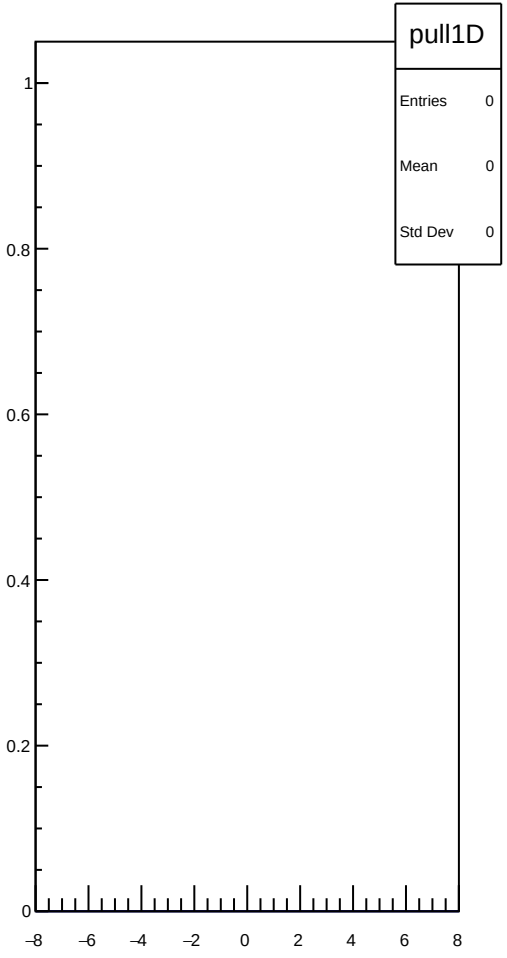
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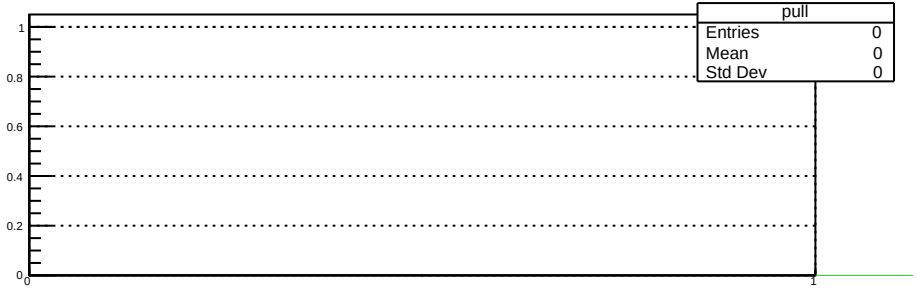
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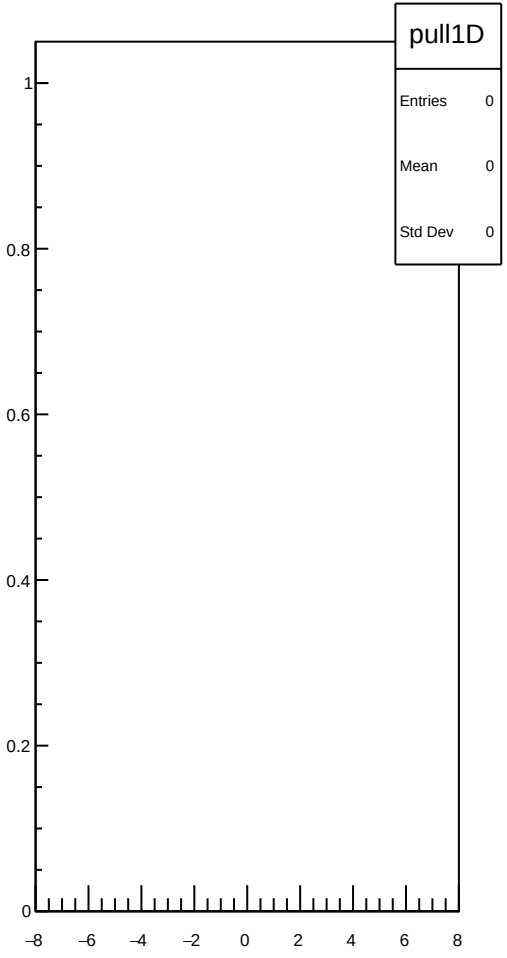
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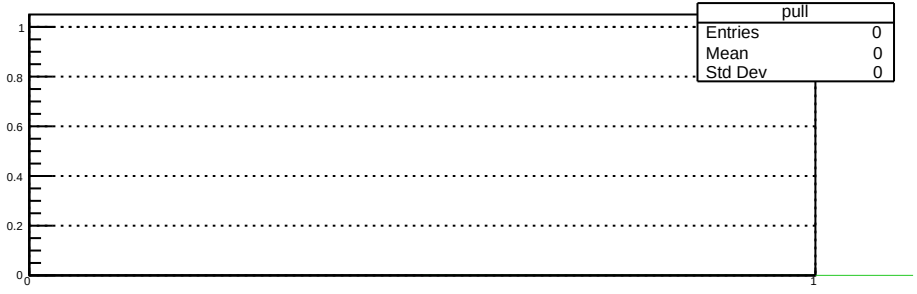
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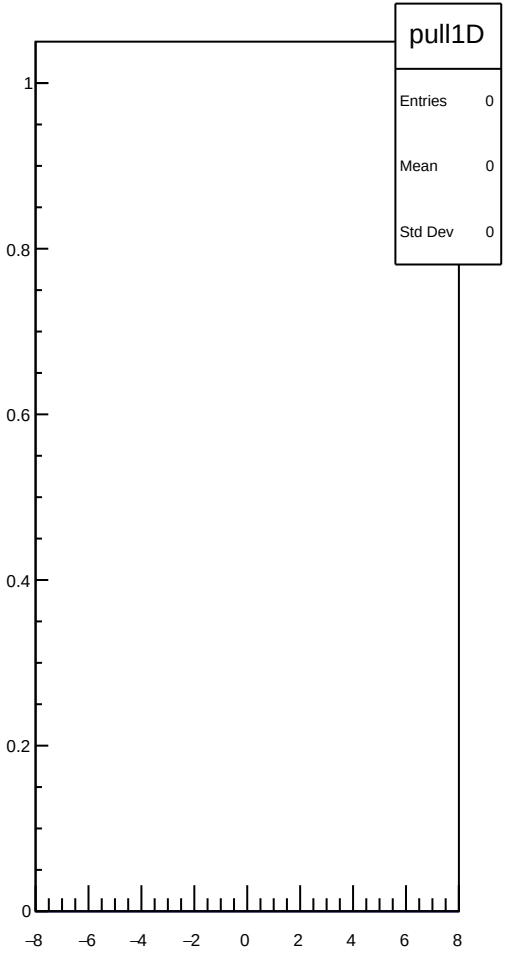
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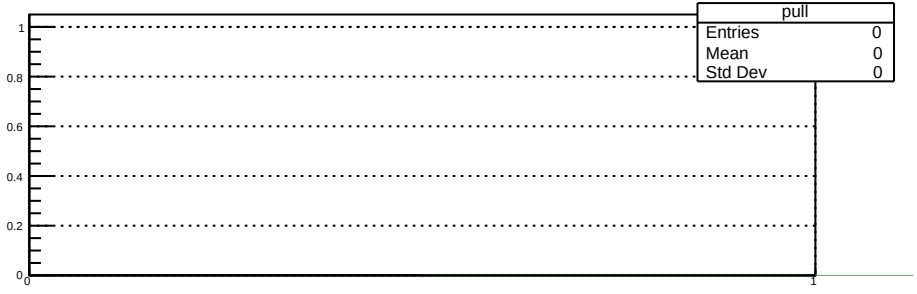
–2
0
2
4
6
8


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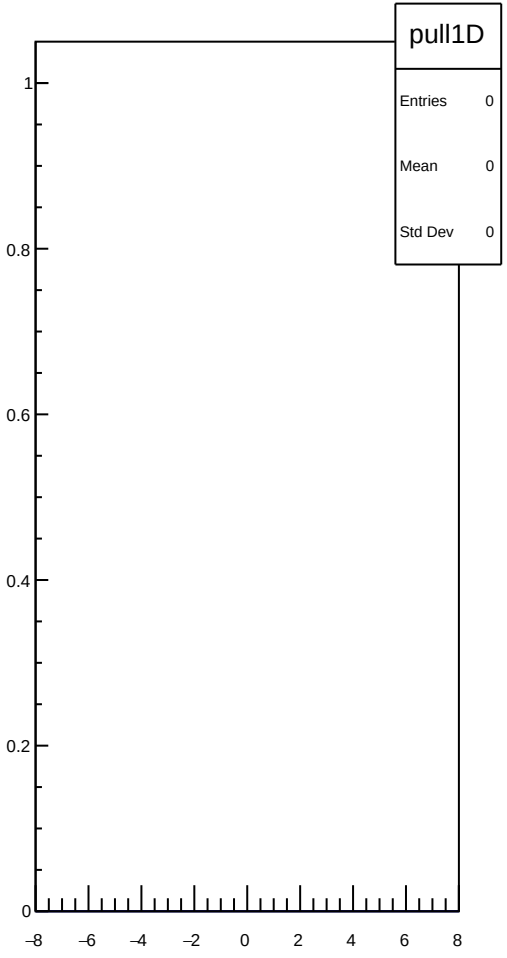
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
–4
–2
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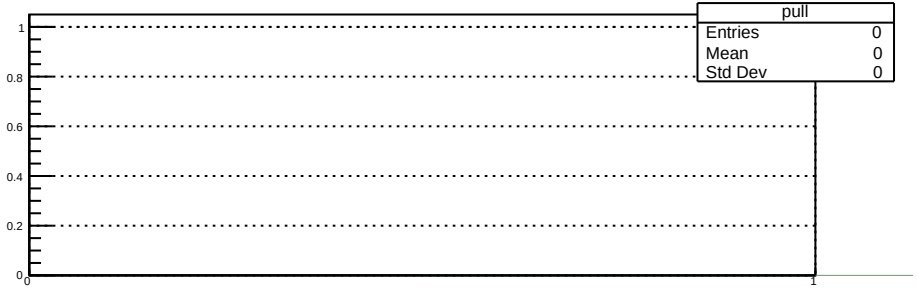
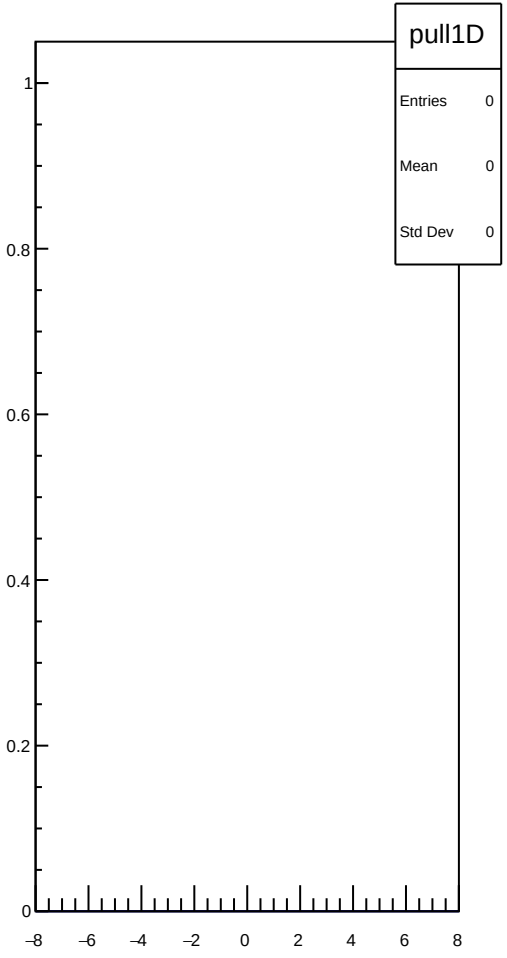
6
8


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
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0.6
0.4
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–4
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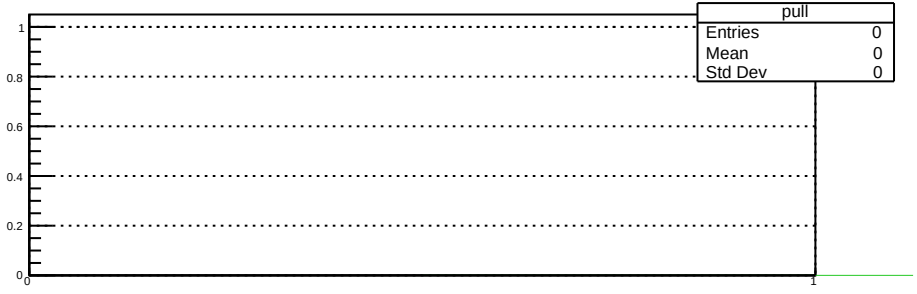
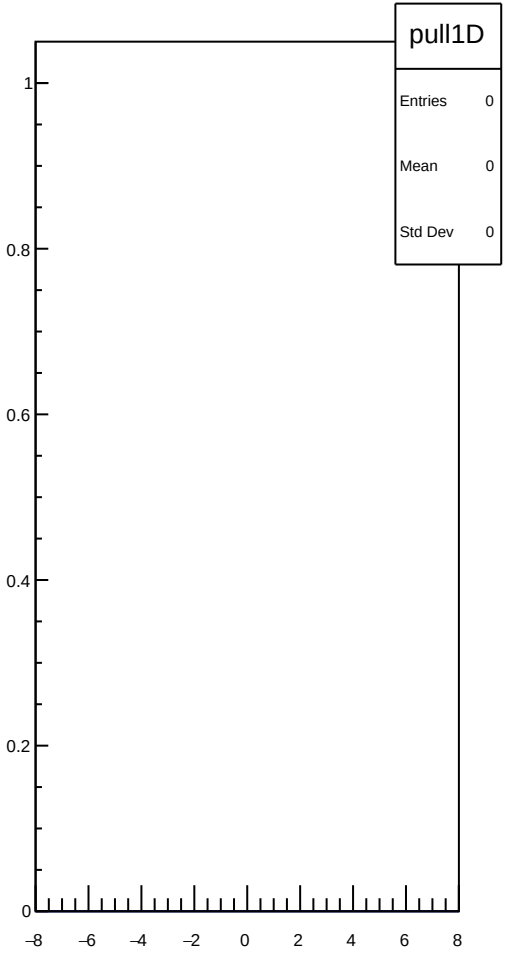
4
6
8


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
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0.6
0.4
0.2
0
–8
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–4
–2
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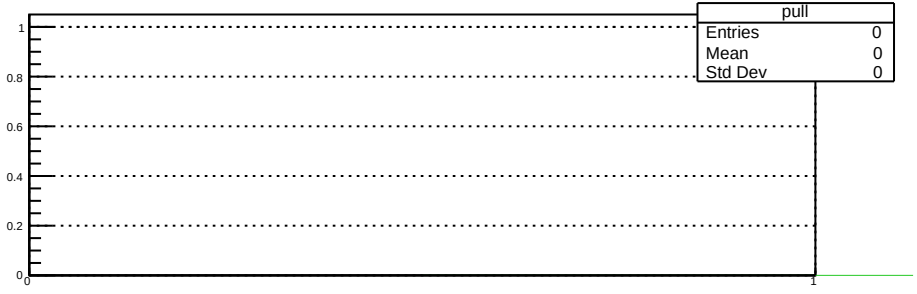
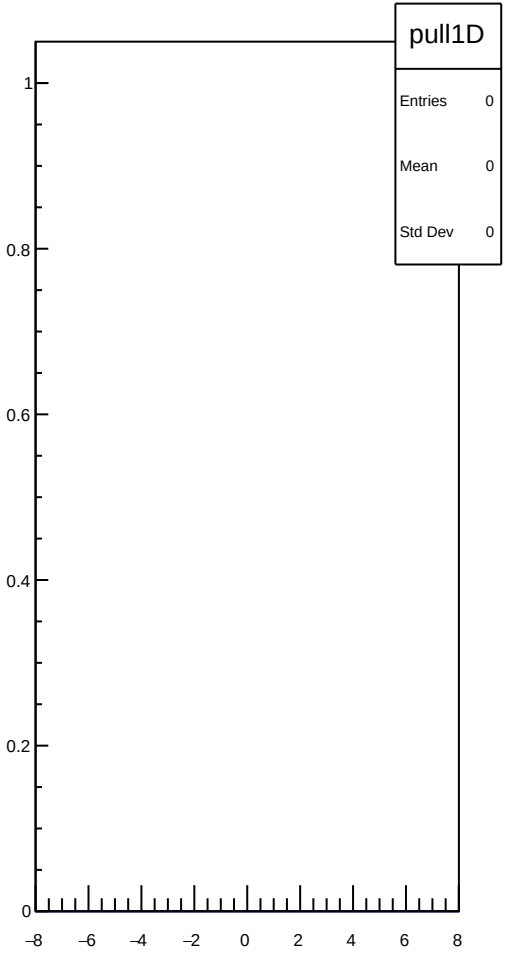
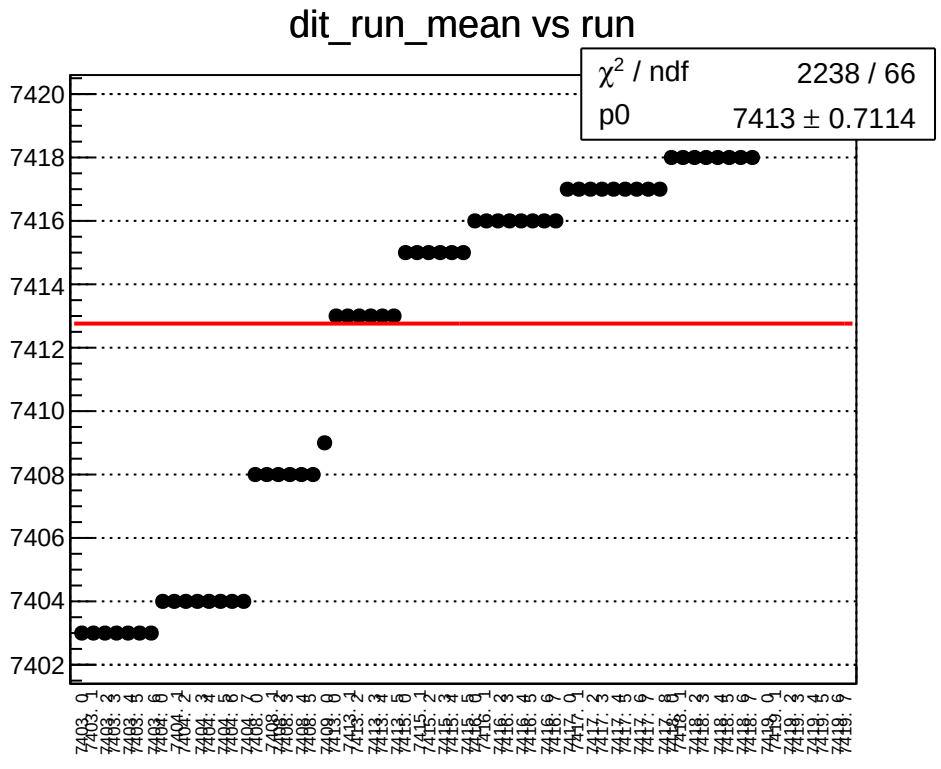
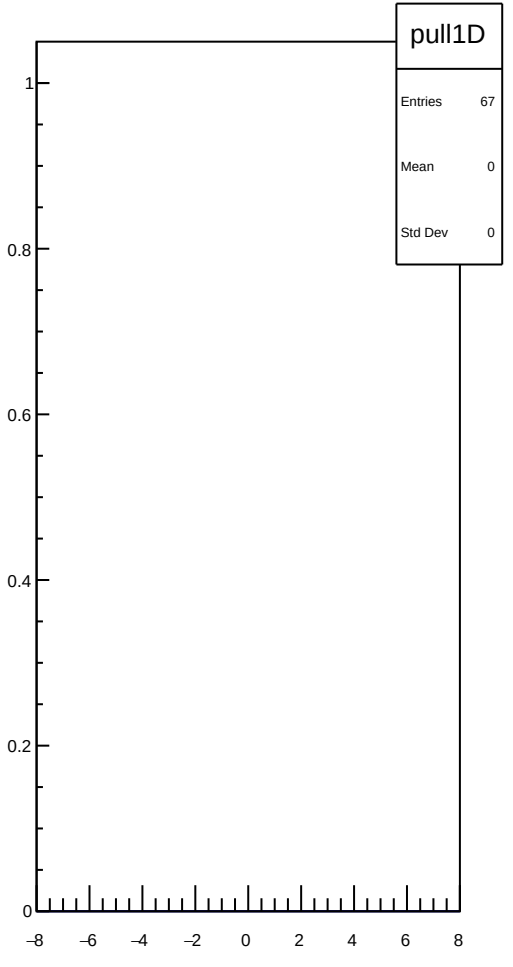
2
4
6
8


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


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


dit_run_mean vs run
χ² / ndf 2238 / 66
p0 7413 ± 0.7114
7420
7418
7416
7414
7412
7410
7408
7406
7404
7402


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
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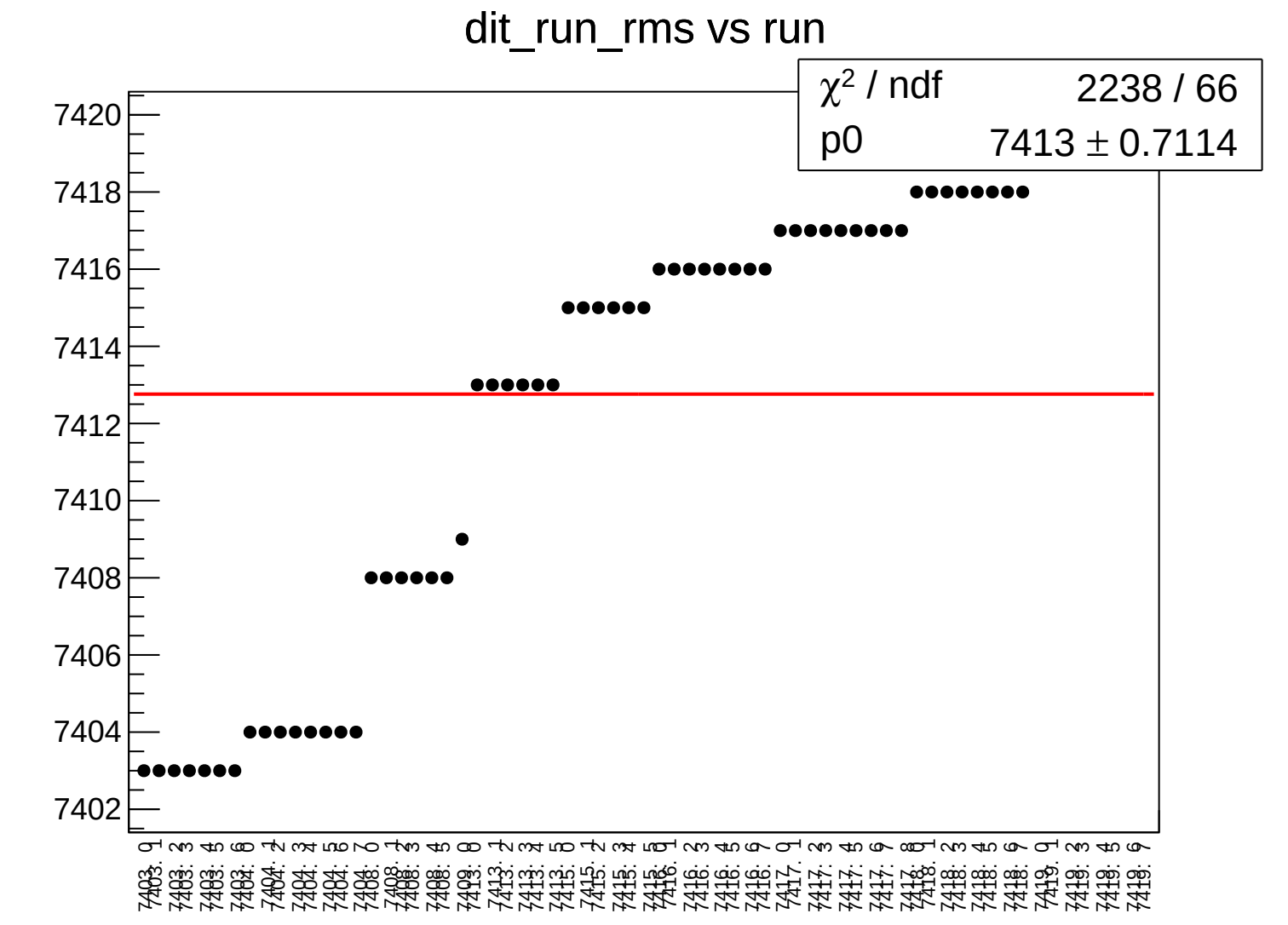
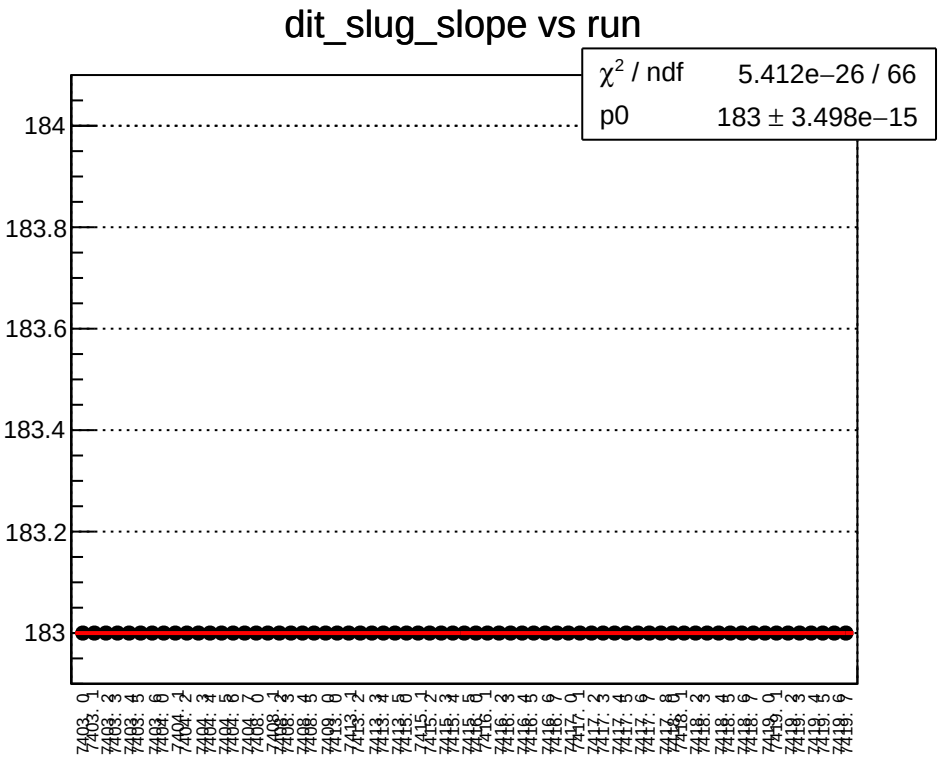
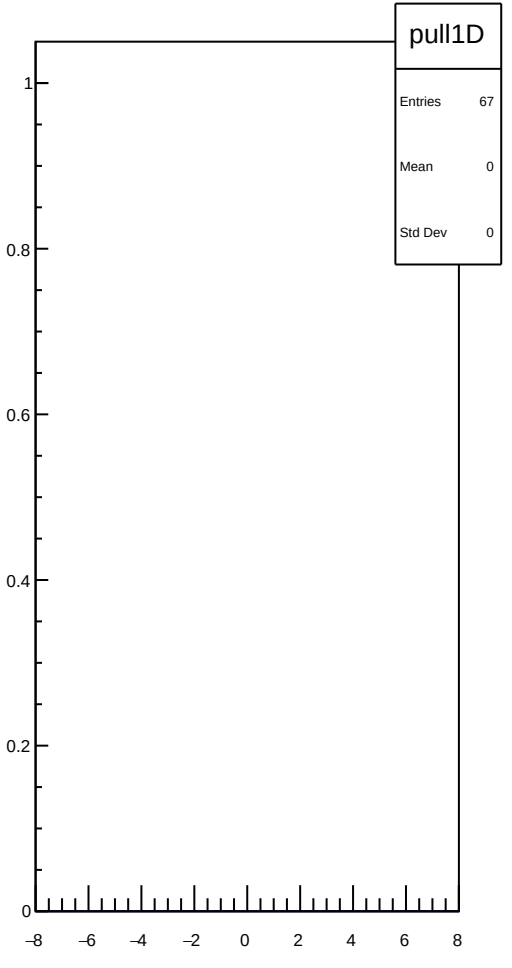
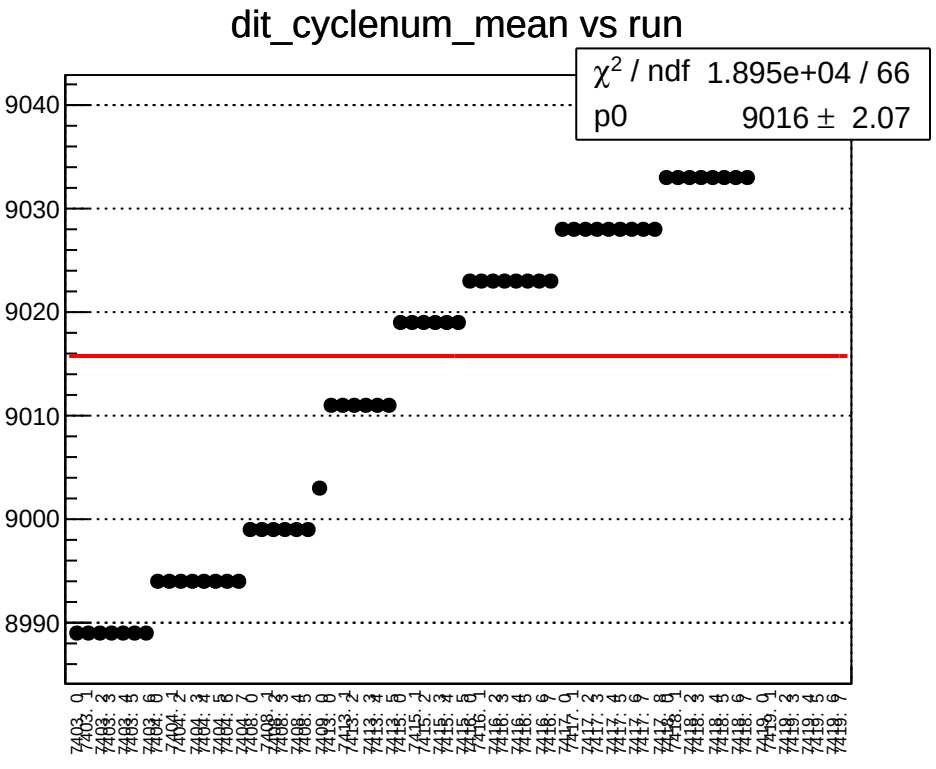
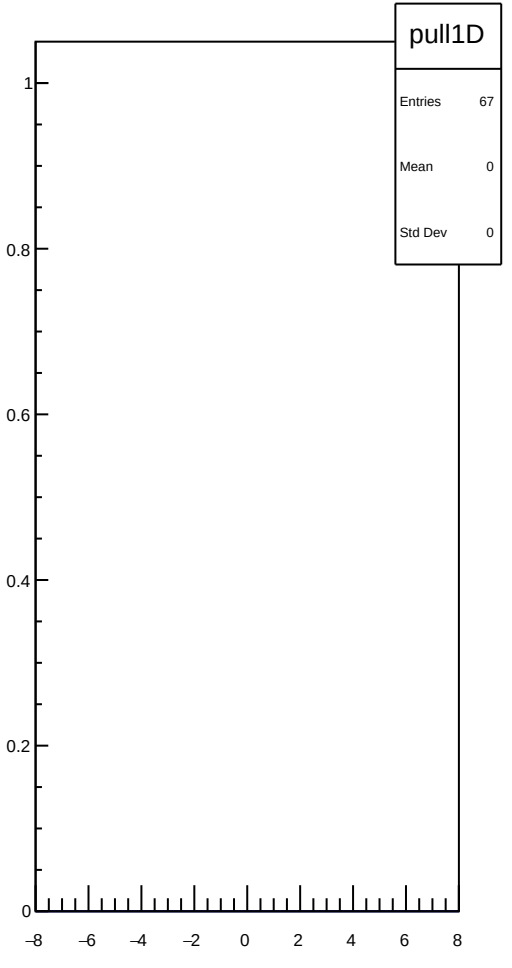
0
2
4
6
8


dit_run_rms vs run
χ² / ndf 2238 / 66
p0 7413 ± 0.7114
7420
7418
7416
7414
7412
7410
7408
7406
7404
7402


dit_slug_slope vs run
χ² / ndf 5.412e−26 / 66
p0 183 ± 3.498e−15
184
183.8
183.6
183.4
183.2
183


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_cyclenum_mean vs run
$\chi^2$ / ndf 1.895e+04 / 66
p0 9016 ± 2.07
9040
9030
9020
9010
9000
8990


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
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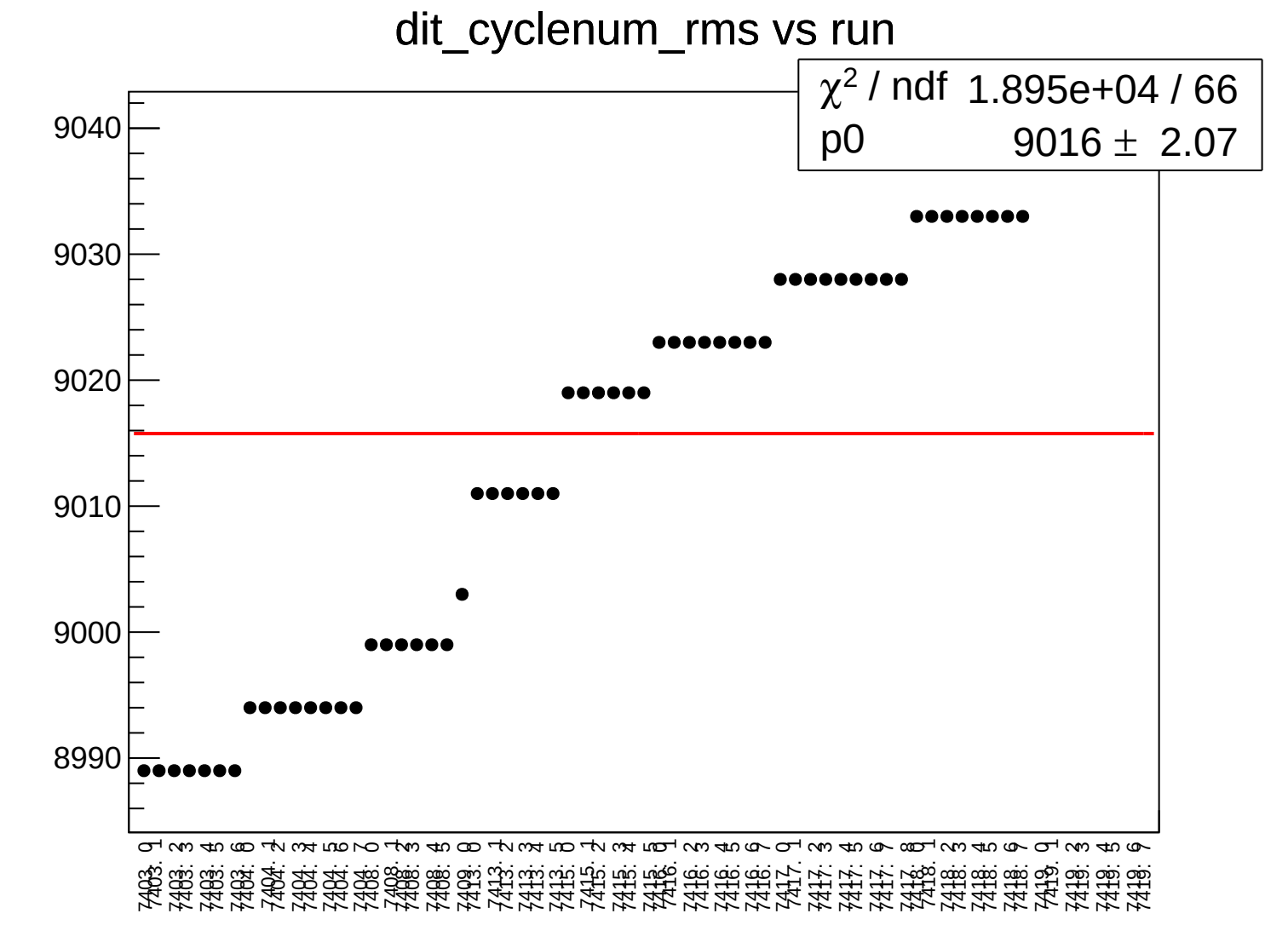
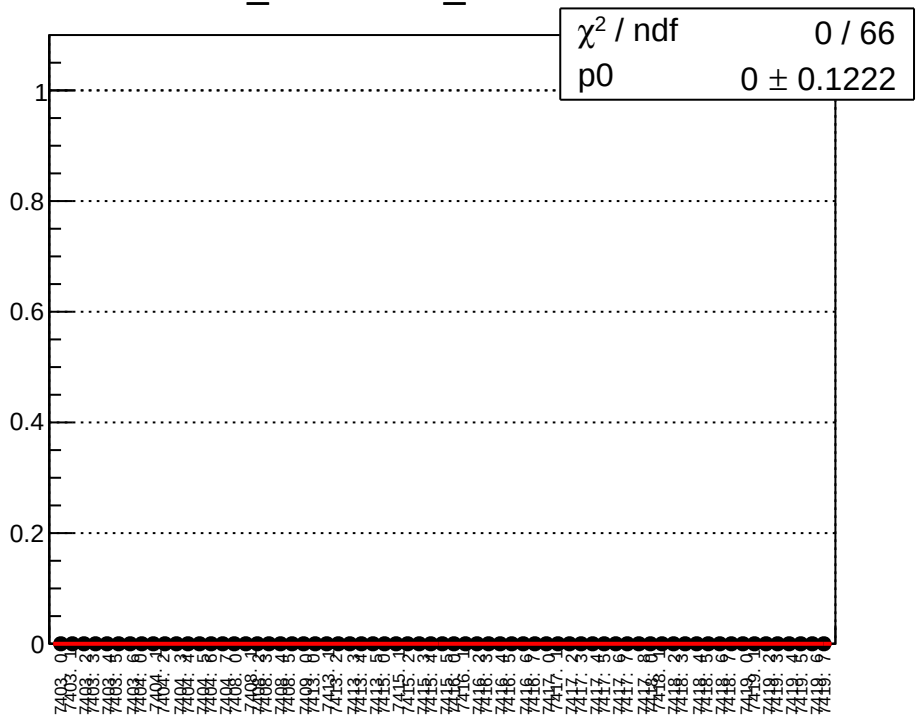
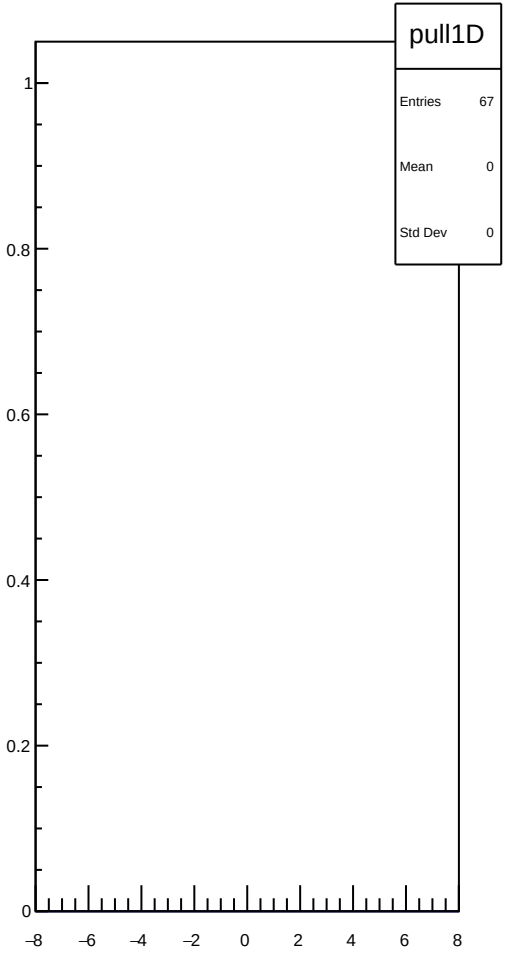
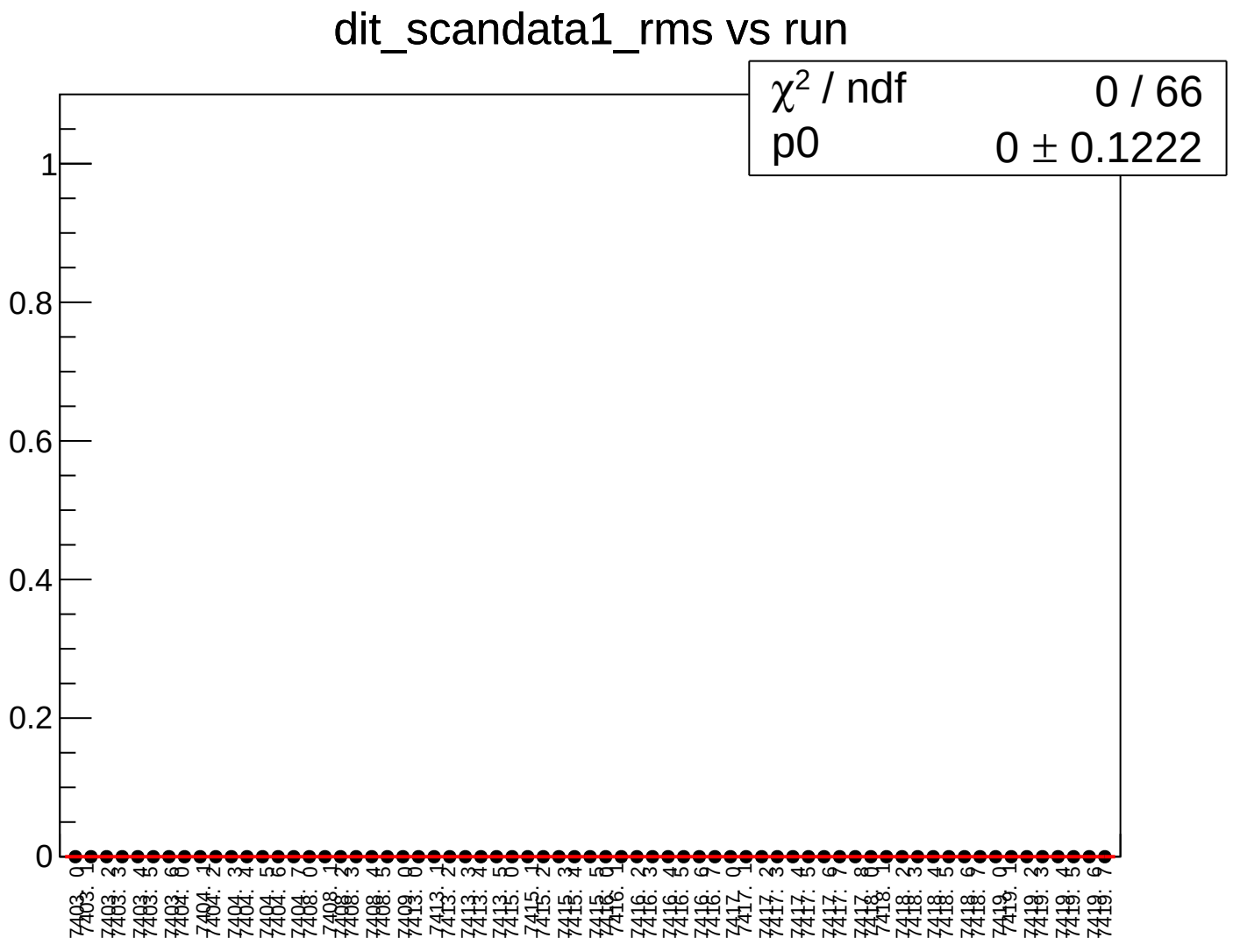
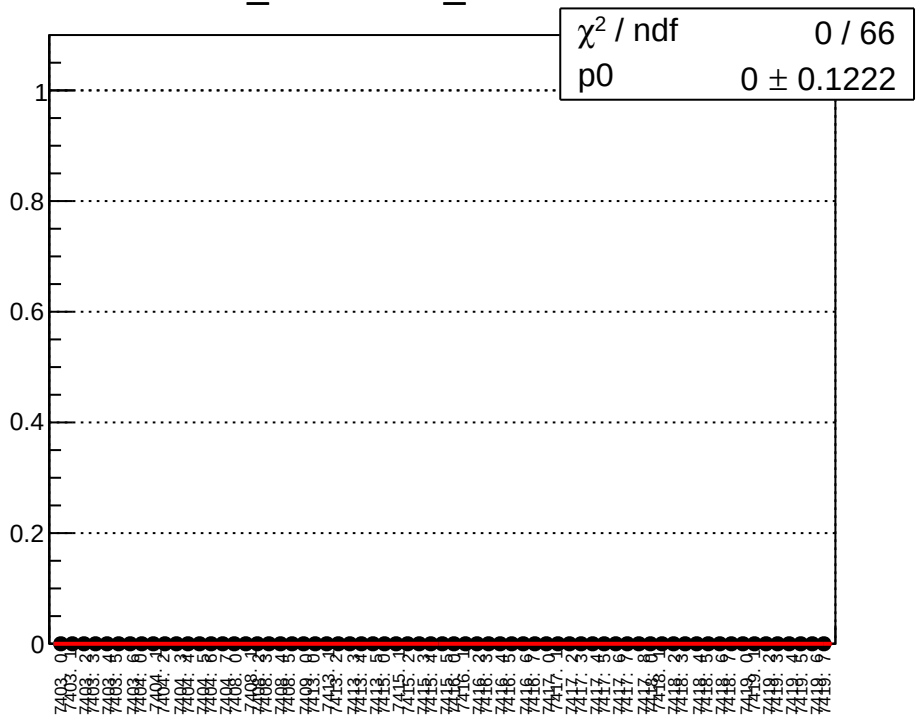
2
4
6
8

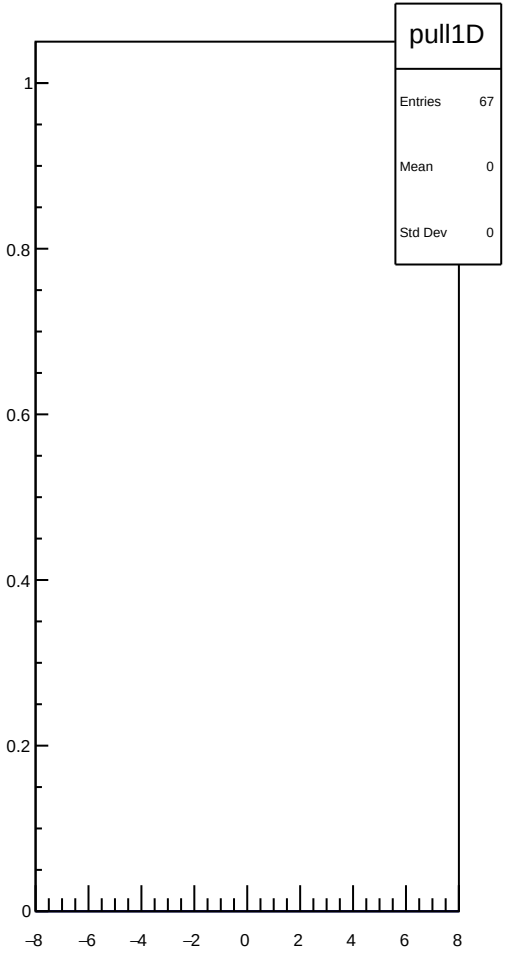

dit_cyclenum_rms vs run
χ² / ndf 1.895e+04 / 66
p0 9016 ± 2.07
9040
9030
9020
9010
9000
8990

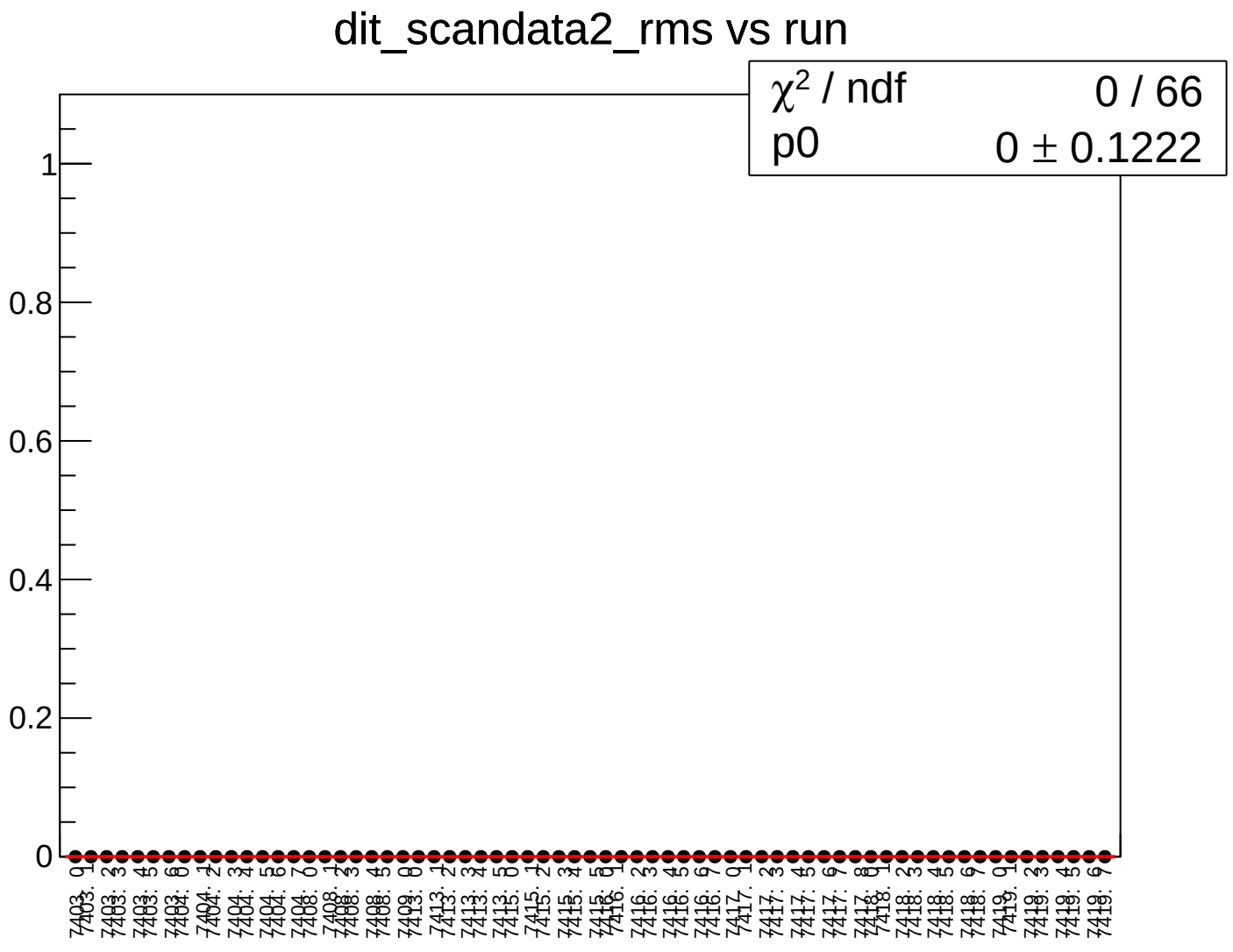

dit_scandata1_mean vs run
χ² / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0

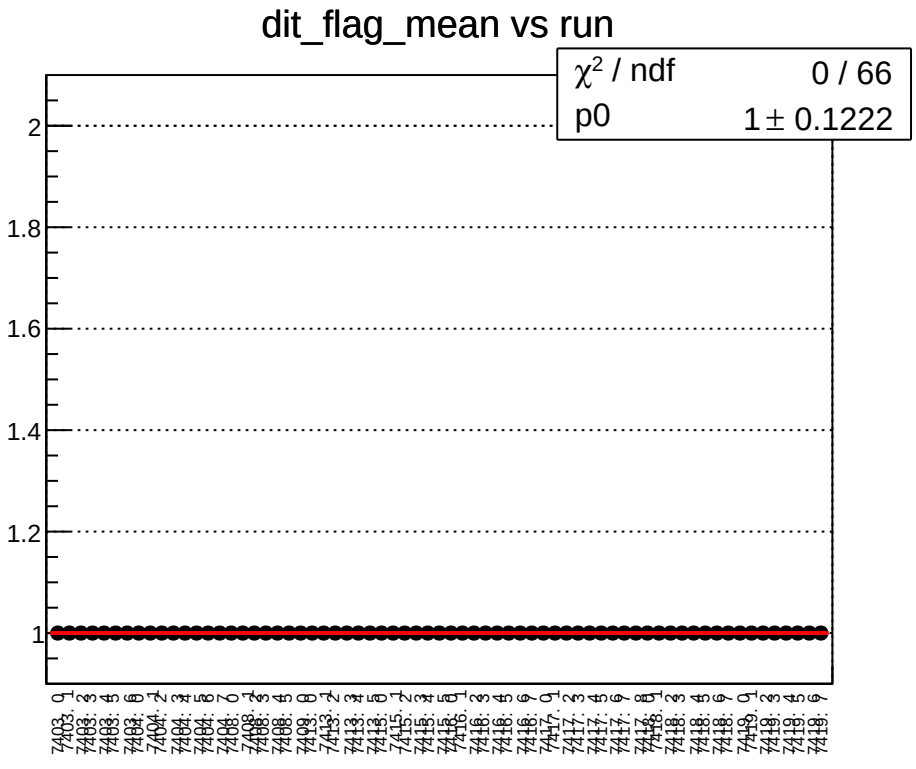

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

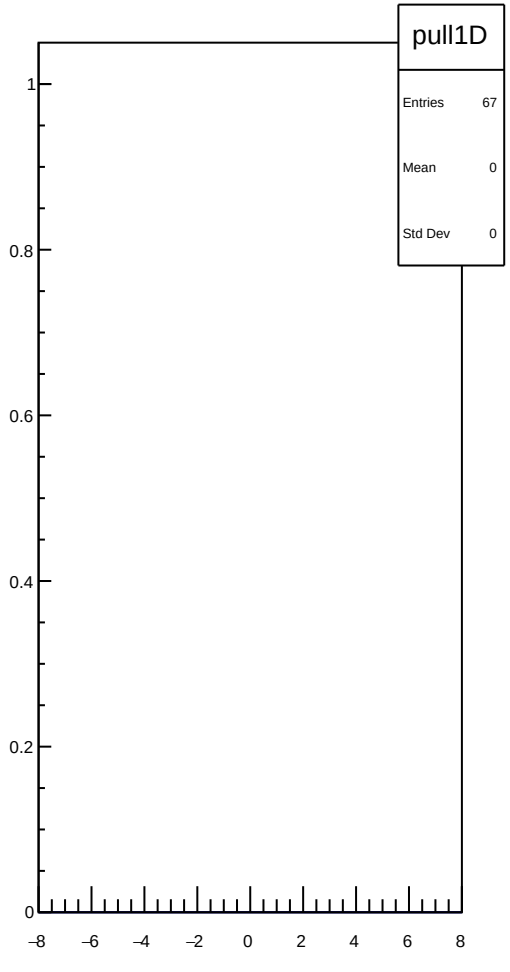

dit_scandata1_rms vs run
χ² / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0

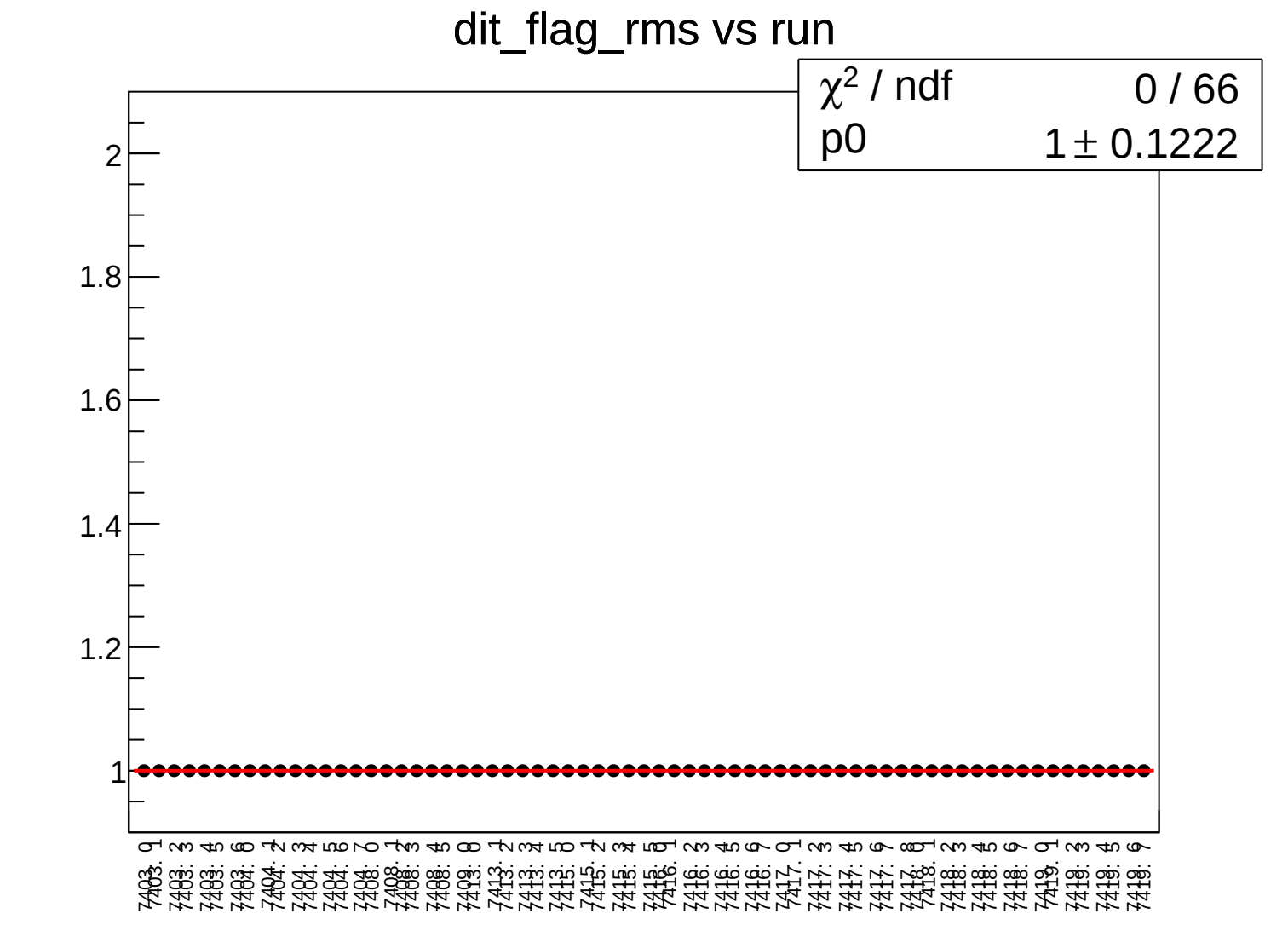

dit_scandata2_mean vs run
χ² / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0

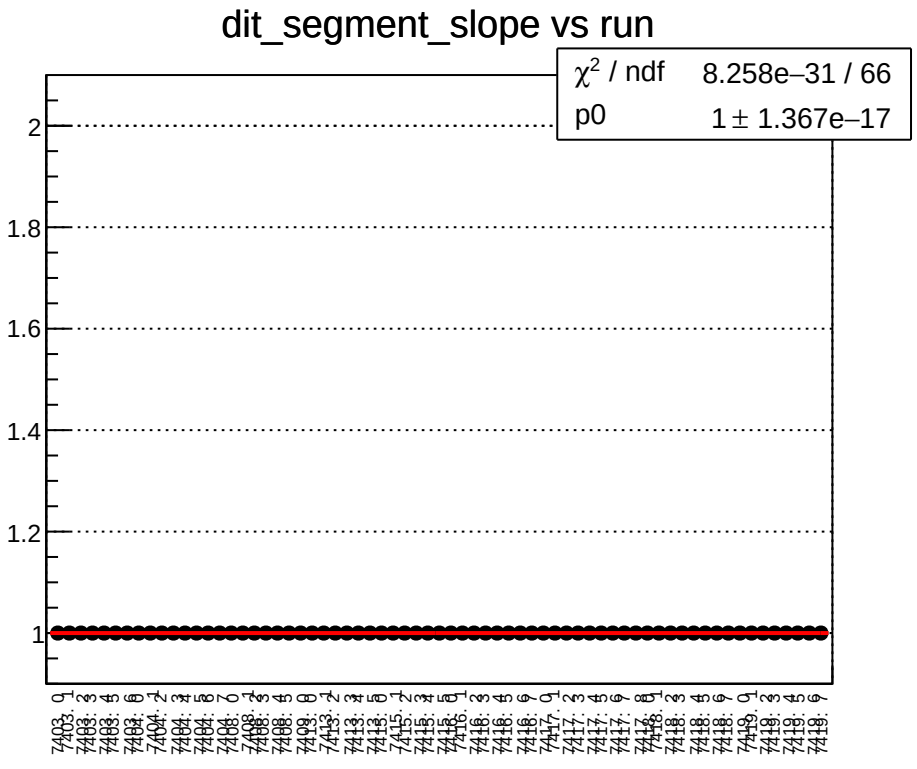

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

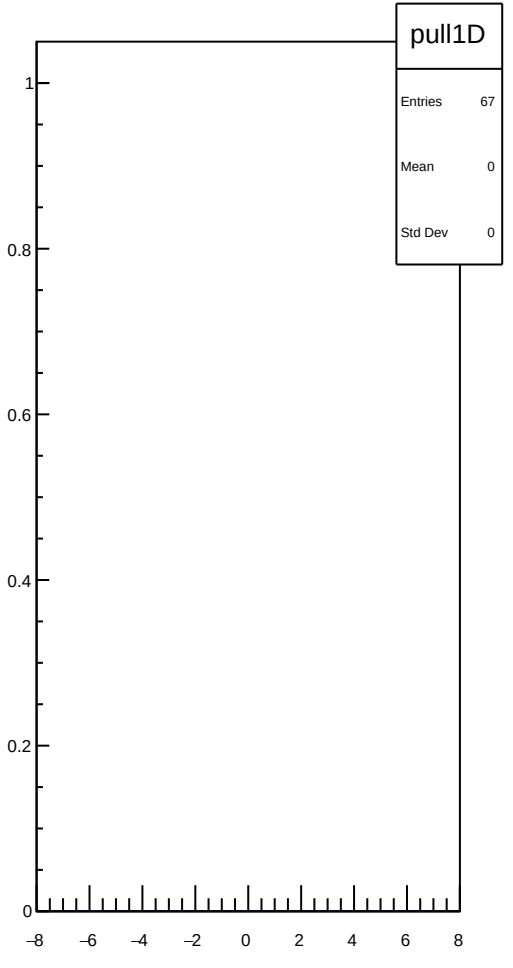

dit_scandata2_rms vs run
χ² / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0

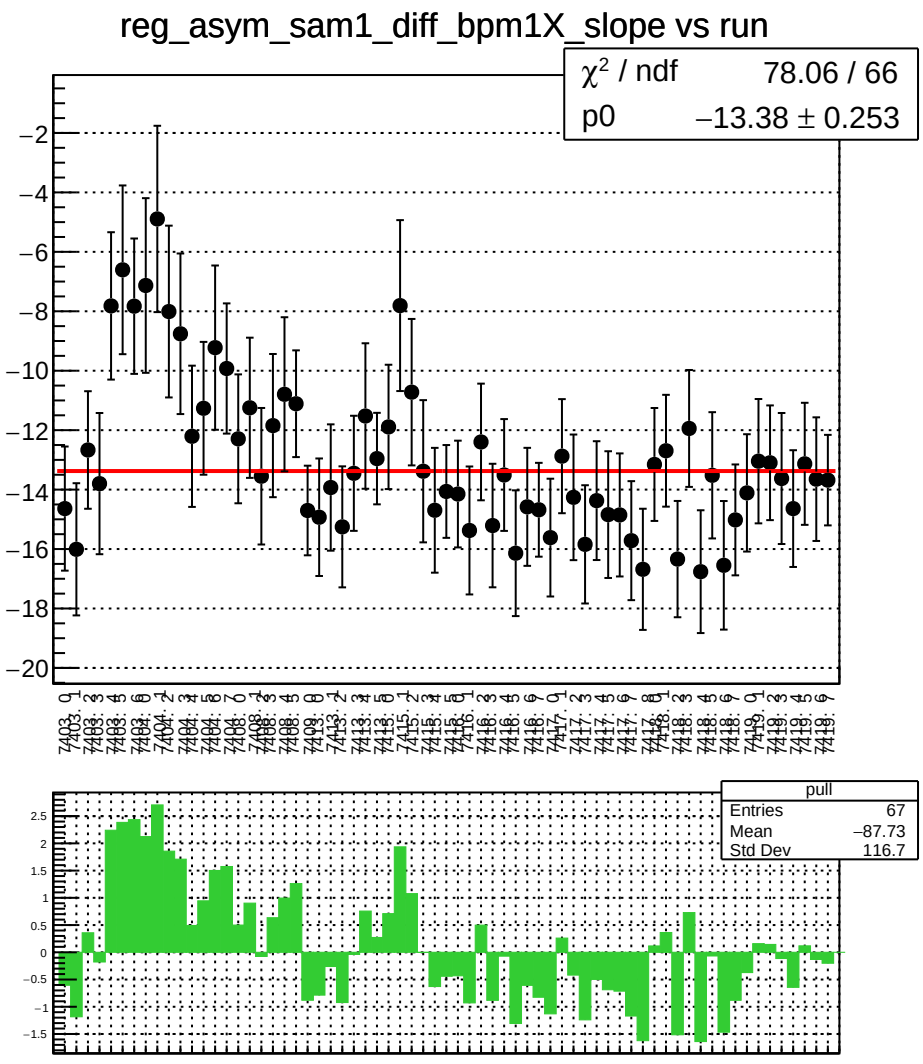

dit_flag_mean vs run
χ² / ndf 0 / 66
p0 1 ± 0.1222
2
1.8
1.6
1.4
1.2
1

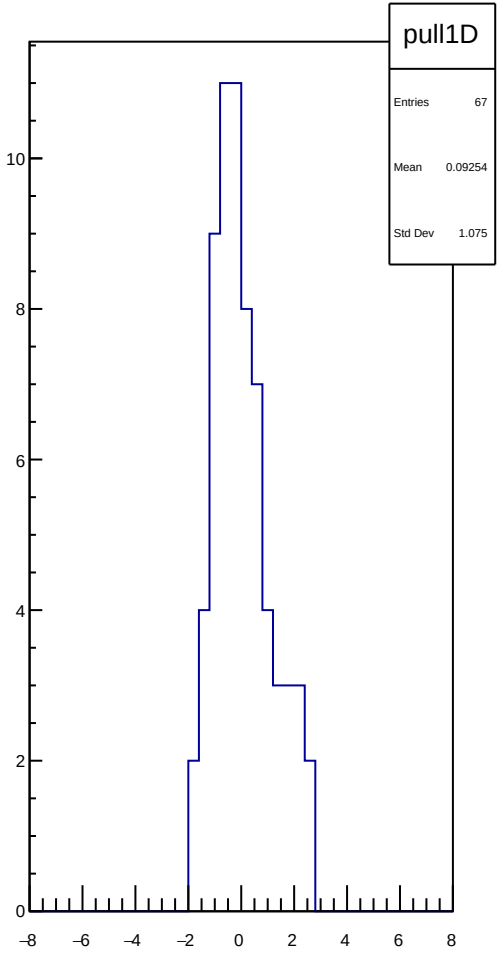

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

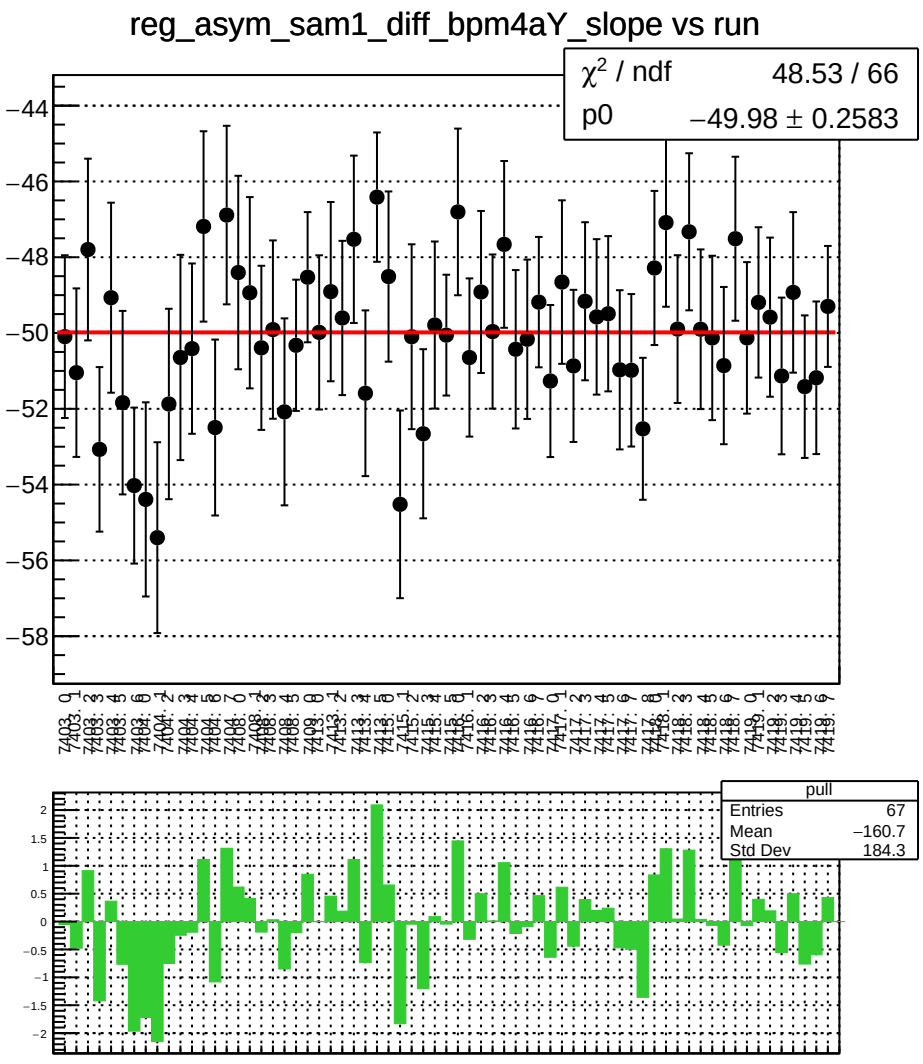

dit_flag_rms vs run
$\chi^2$ / ndf 0 / 66
p0 1 ± 0.1222
2
1.8
1.6
1.4
1.2
1

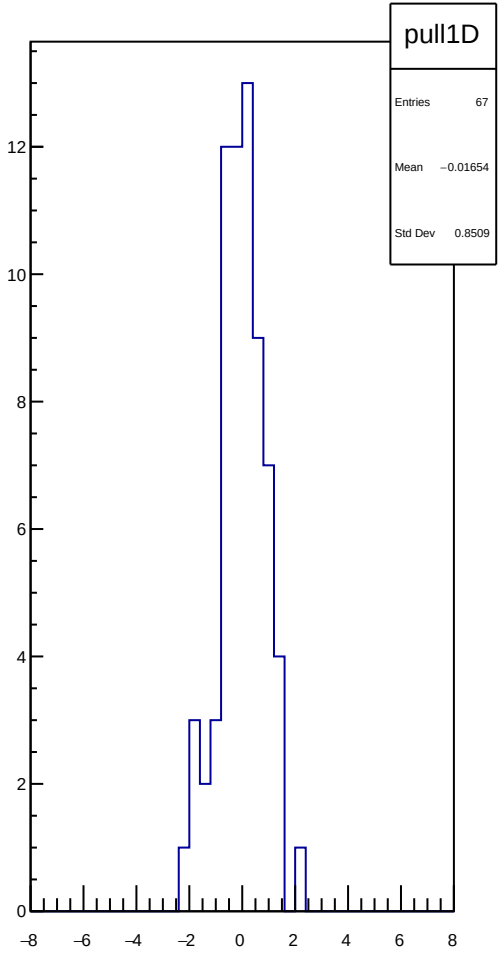

dit_segment_slope vs run
χ² / ndf 8.258e−31 / 66
p0 1 ± 1.367e−17
2
1.8
1.6
1.4
1.2
1

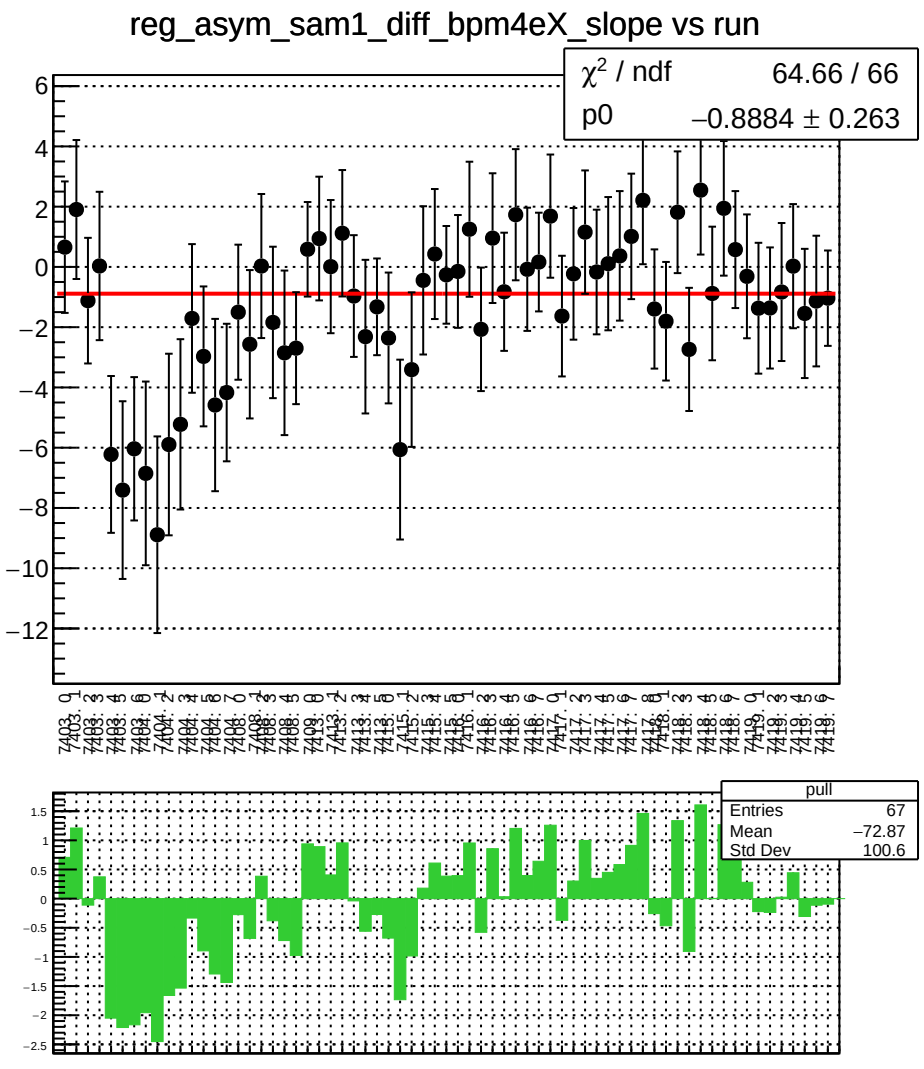

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

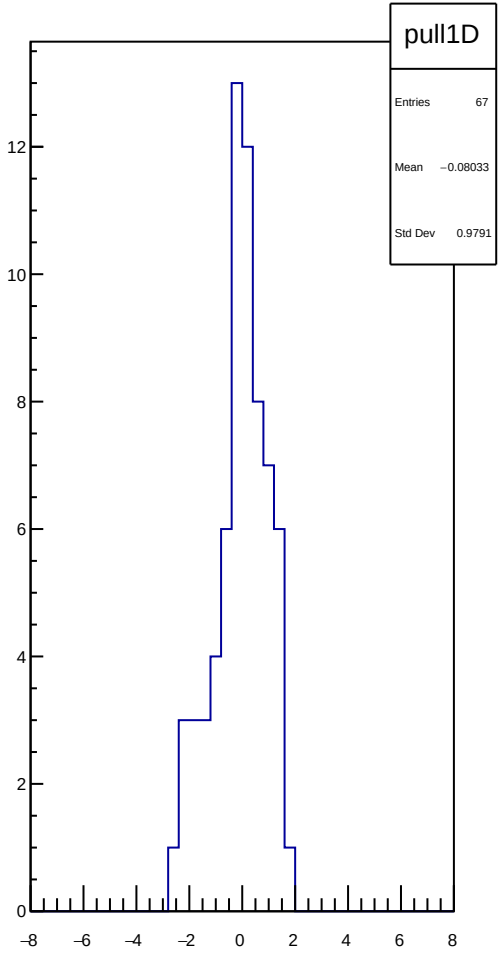

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 78.06 / 66
p0 −13.38 ± 0.253
pull
Entries 67
Mean −87.73
Std Dev 116.7

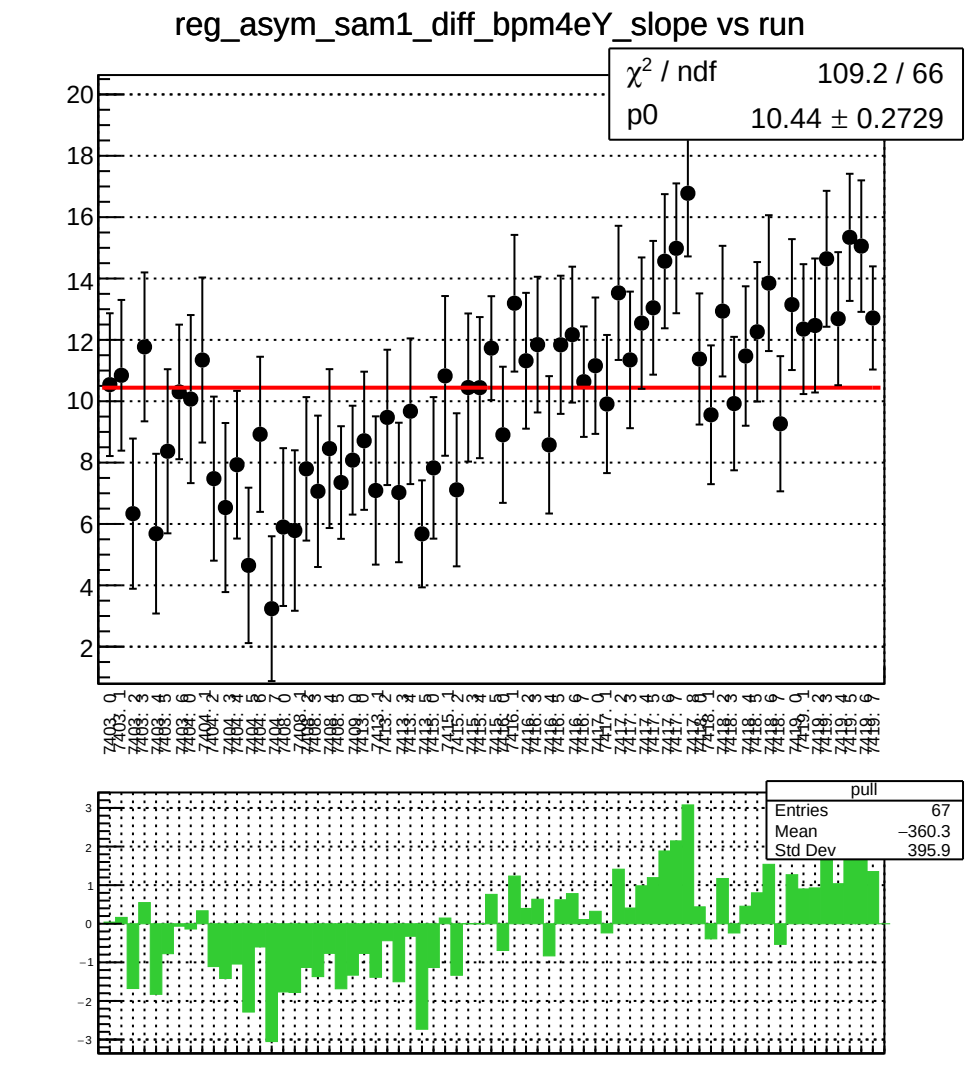

pull1D
Entries 67
Mean 0.09254
Std Dev 1.075

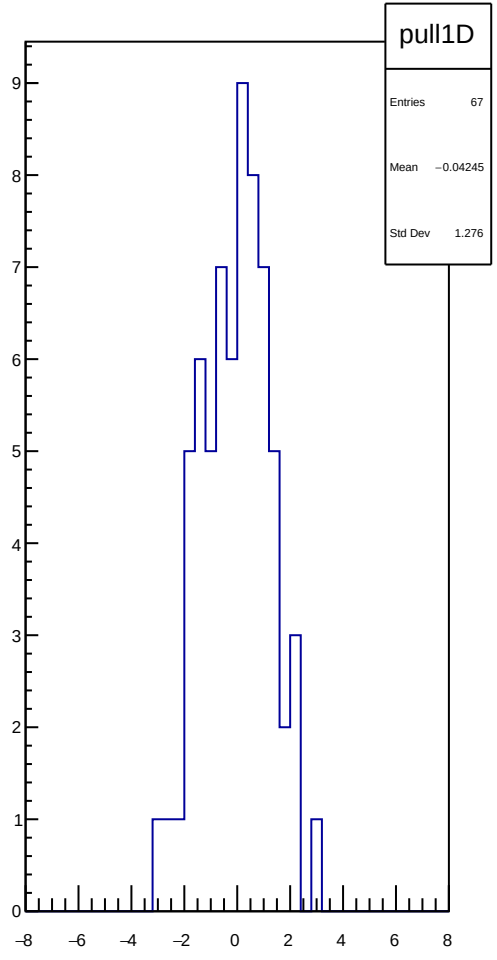

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 48.53 / 66
p0 −49.98 ± 0.2583
pull
Entries 67
Mean −160.7
Std Dev 184.3

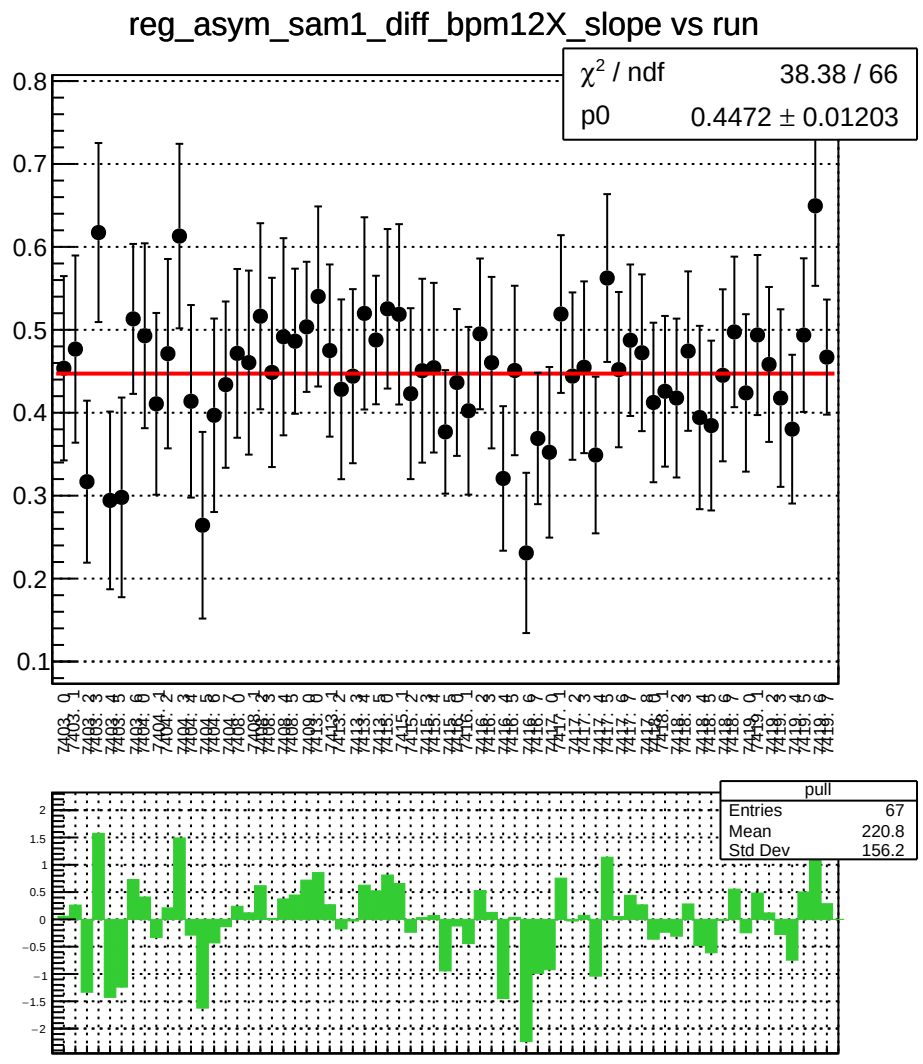

pull1D
Entries 67
Mean −0.01654
Std Dev 0.8509

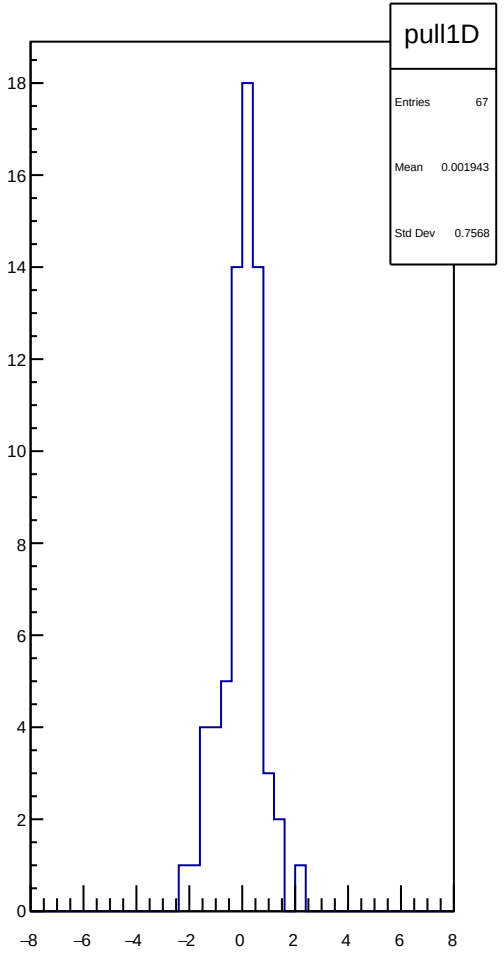

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 64.66 / 66
p0 −0.8884 ± 0.263
pull
Entries 67
Mean −72.87
Std Dev 100.6

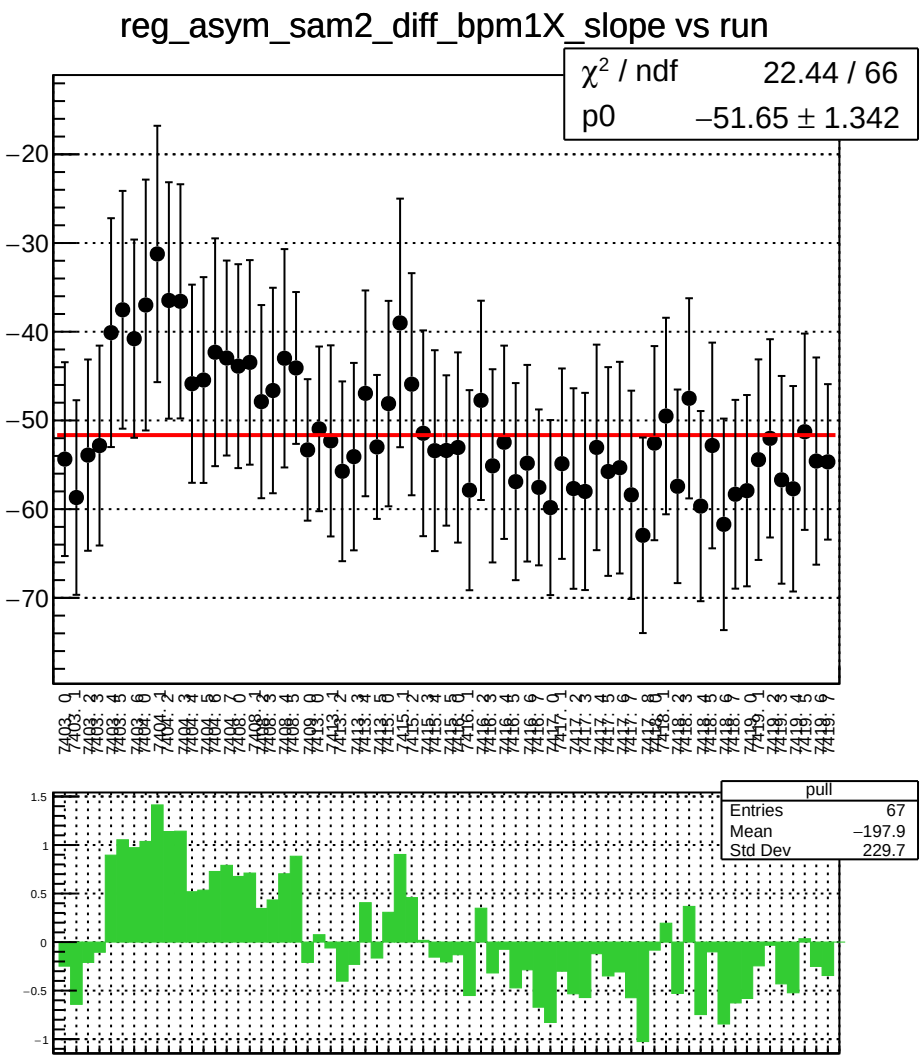

pull1D
Entries 67
Mean −0.08033
Std Dev 0.9791

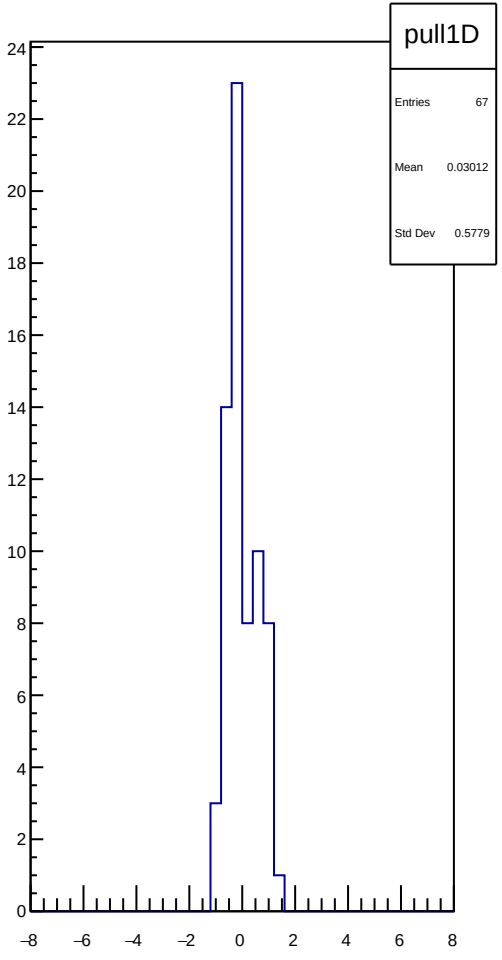

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 109.2 / 66
p0 10.44 ± 0.2729
pull
Entries 67
Mean −360.3
Std Dev 395.9

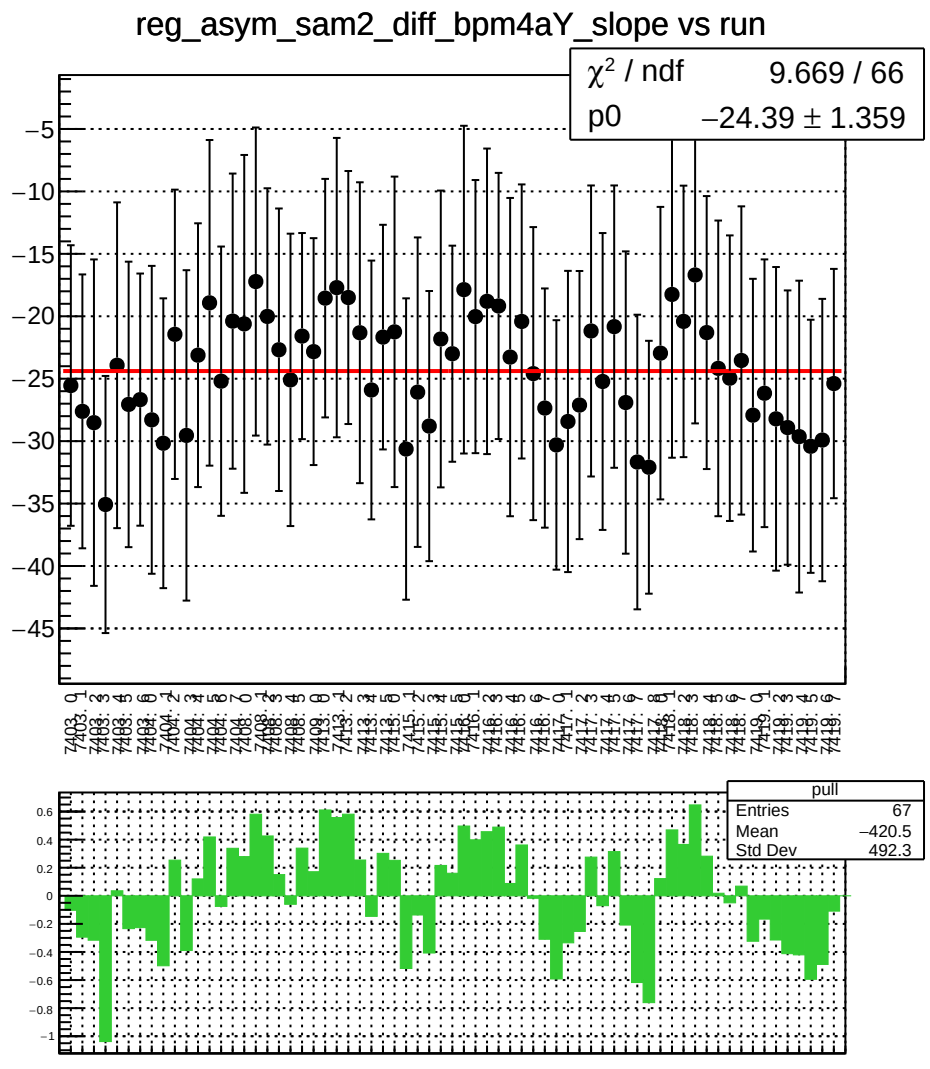

pull1D
Entries 67
Mean −0.04245
Std Dev 1.276

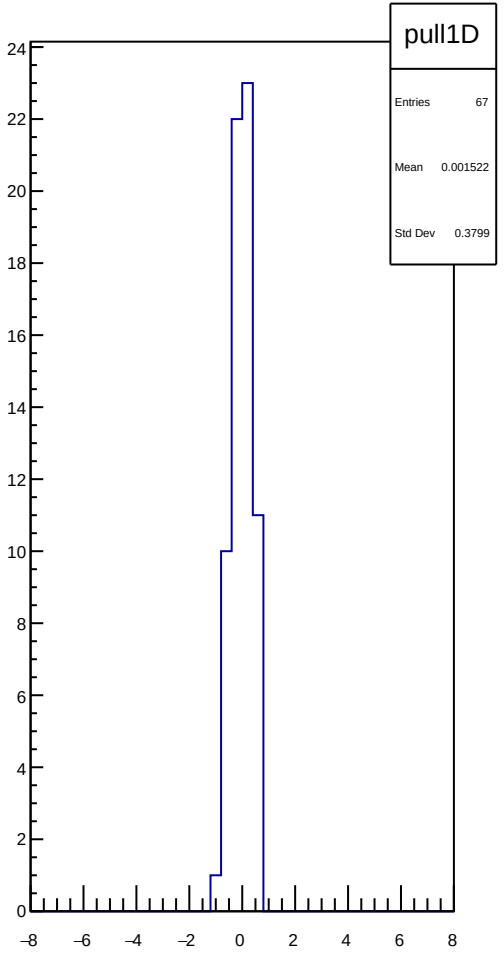

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 38.38 / 66
p0 0.4472 ± 0.01203
pull
Entries 67
Mean 220.8
Std Dev 156.2

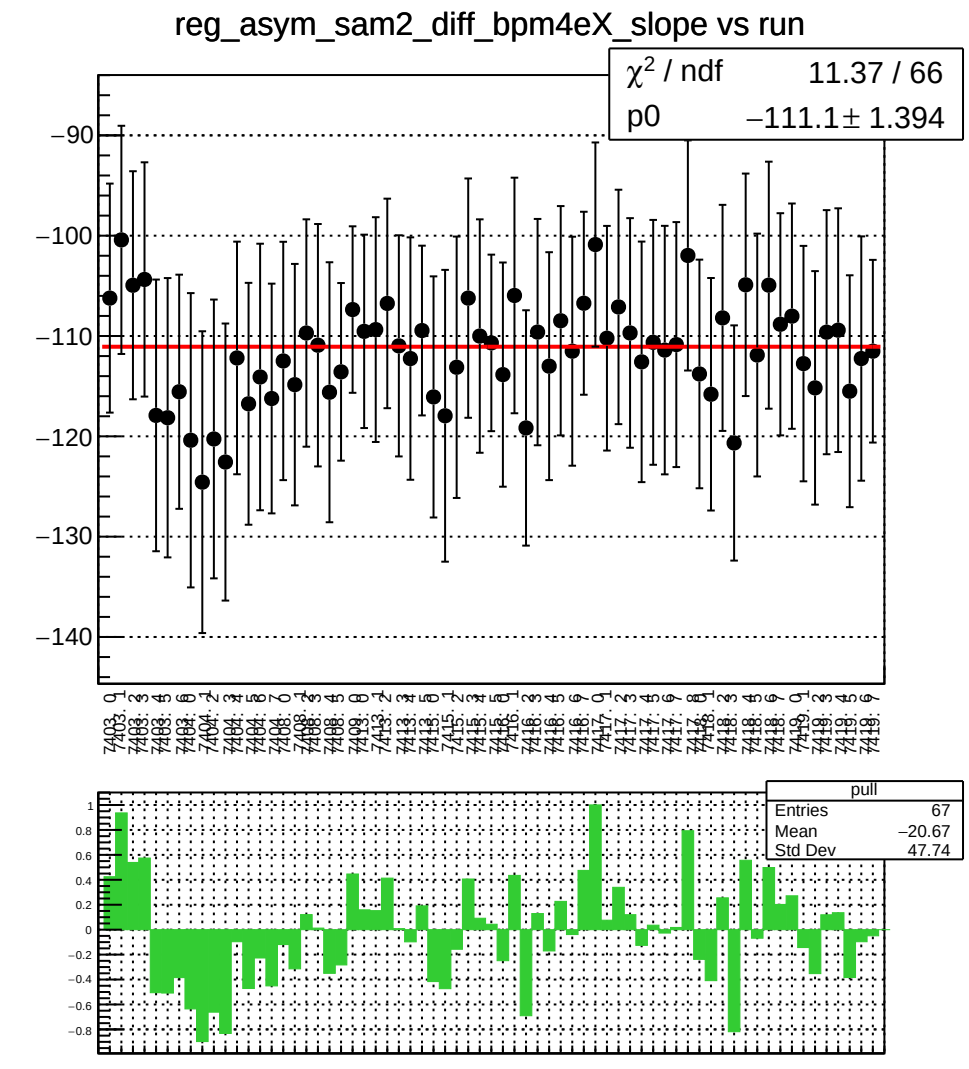

pull1D
Entries 67
Mean 0.001943
Std Dev 0.7568

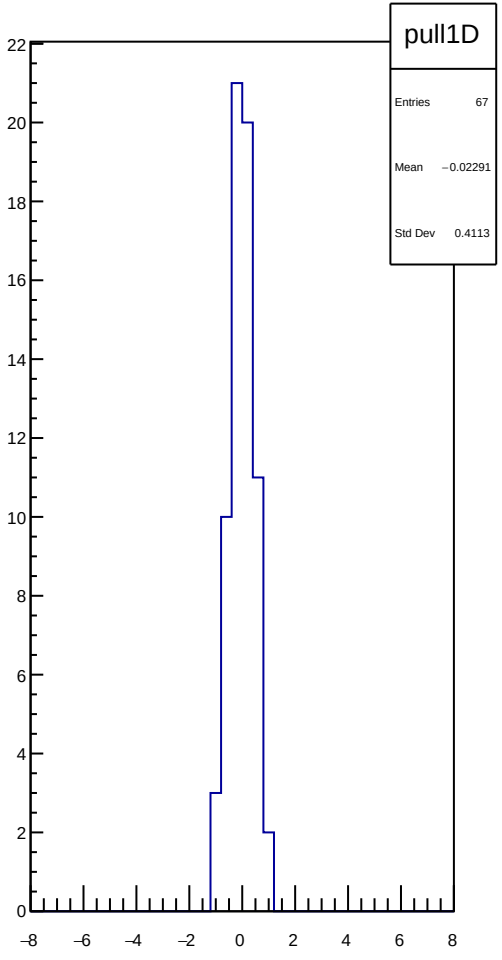

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 22.44 / 66
p0 −51.65 ± 1.342
pull
Entries 67
Mean −197.9
Std Dev 229.7

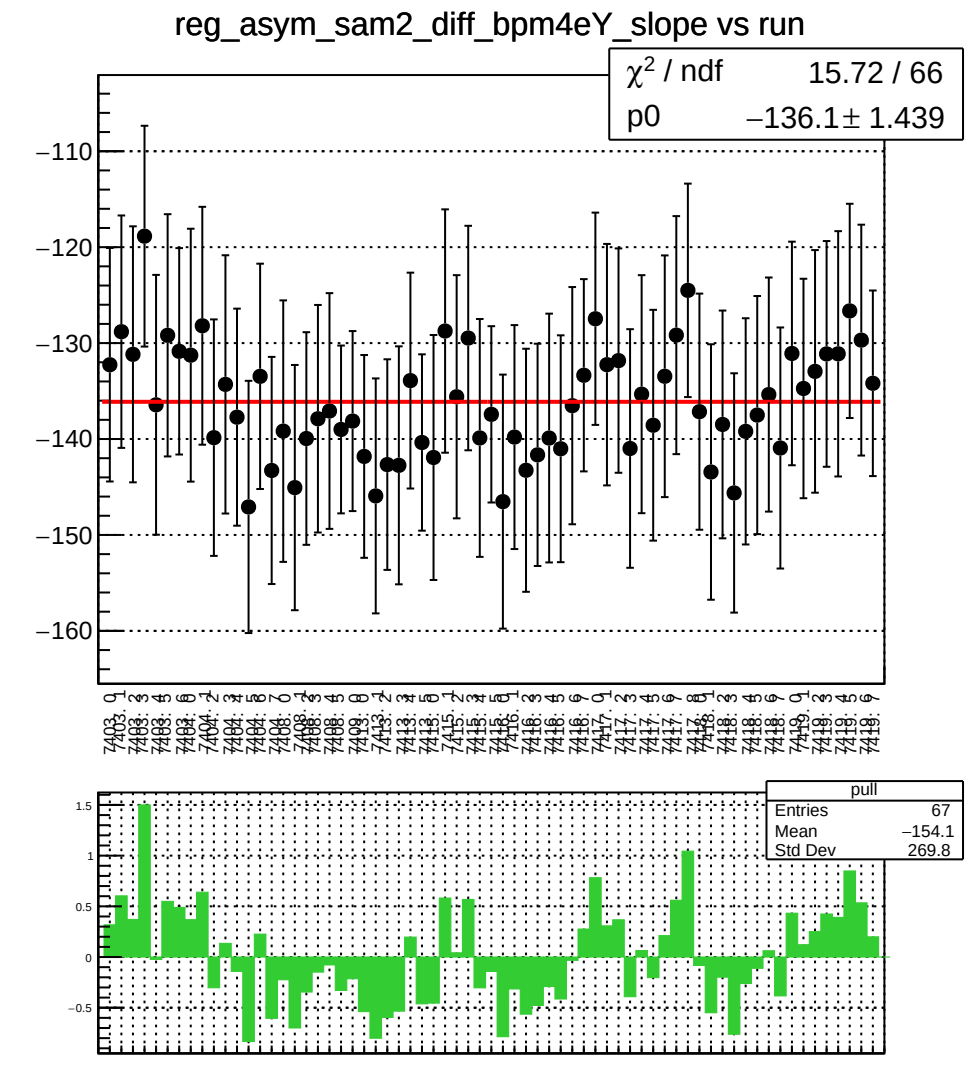

pull1D
Entries 67
Mean 0.03012
Std Dev 0.5779

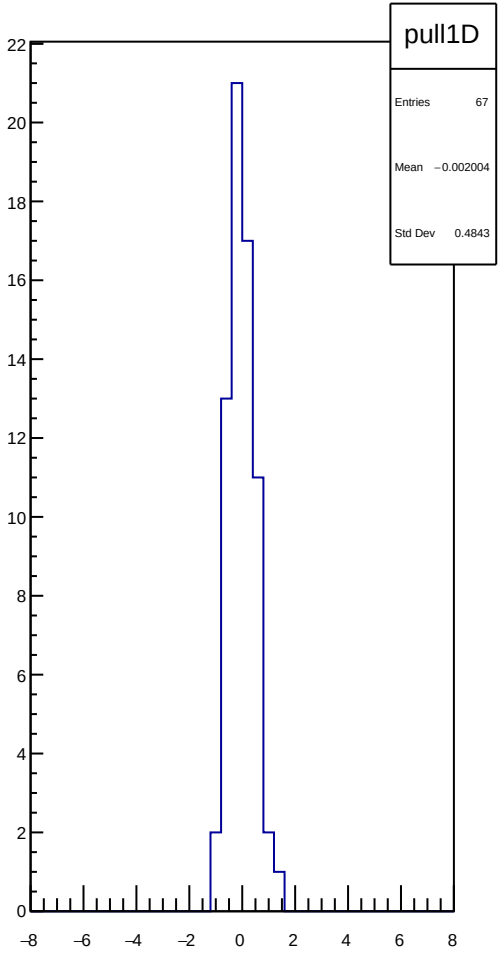

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 9.669 / 66
p0 −24.39 ± 1.359
pull
Entries 67
Mean −420.5
Std Dev 492.3

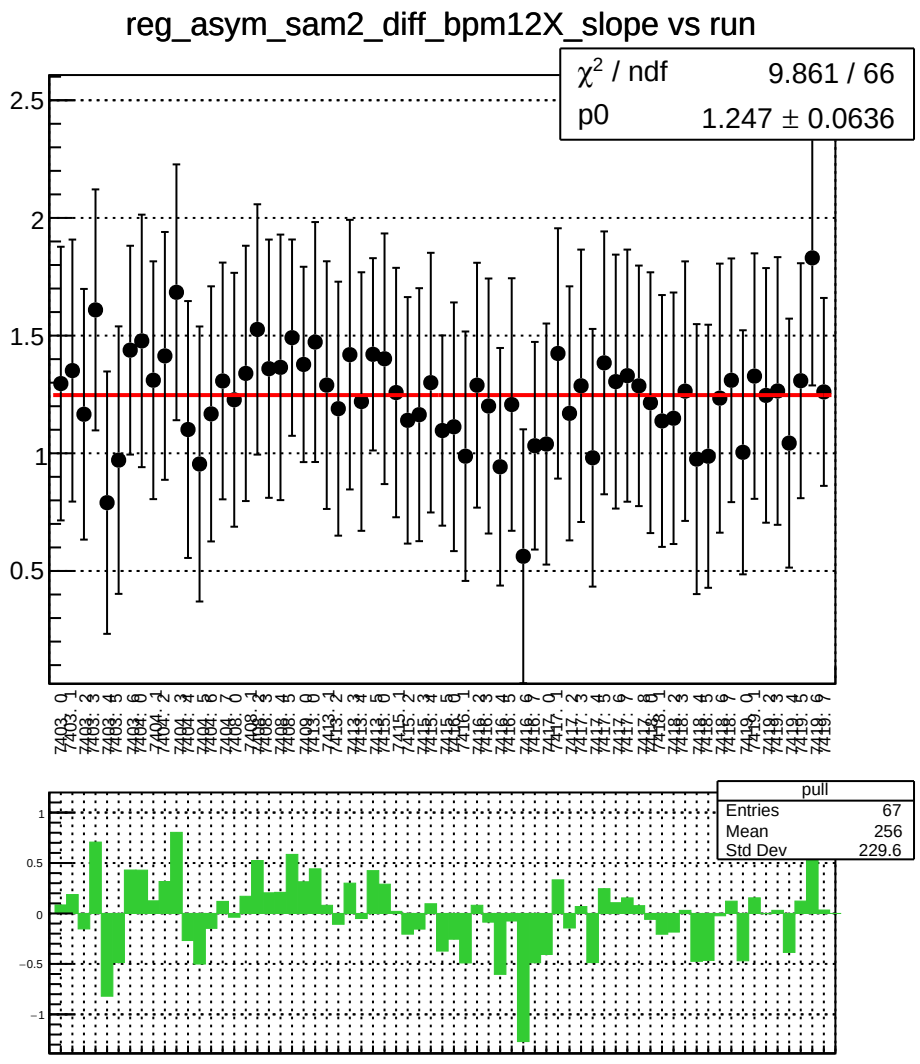

pull1D
Entries 67
Mean 0.001522
Std Dev 0.3799

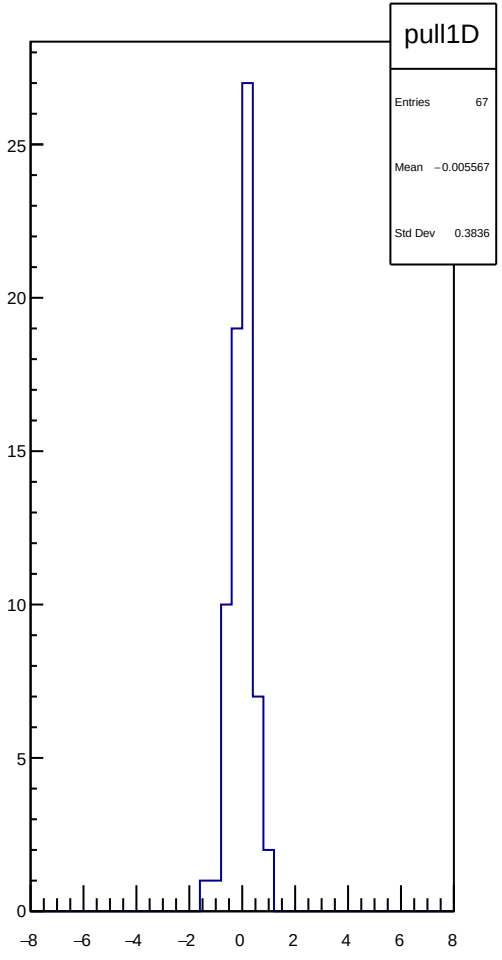

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 11.37 / 66
p0 −111.1 ± 1.394
pull
Entries 67
Mean −20.67
Std Dev 47.74

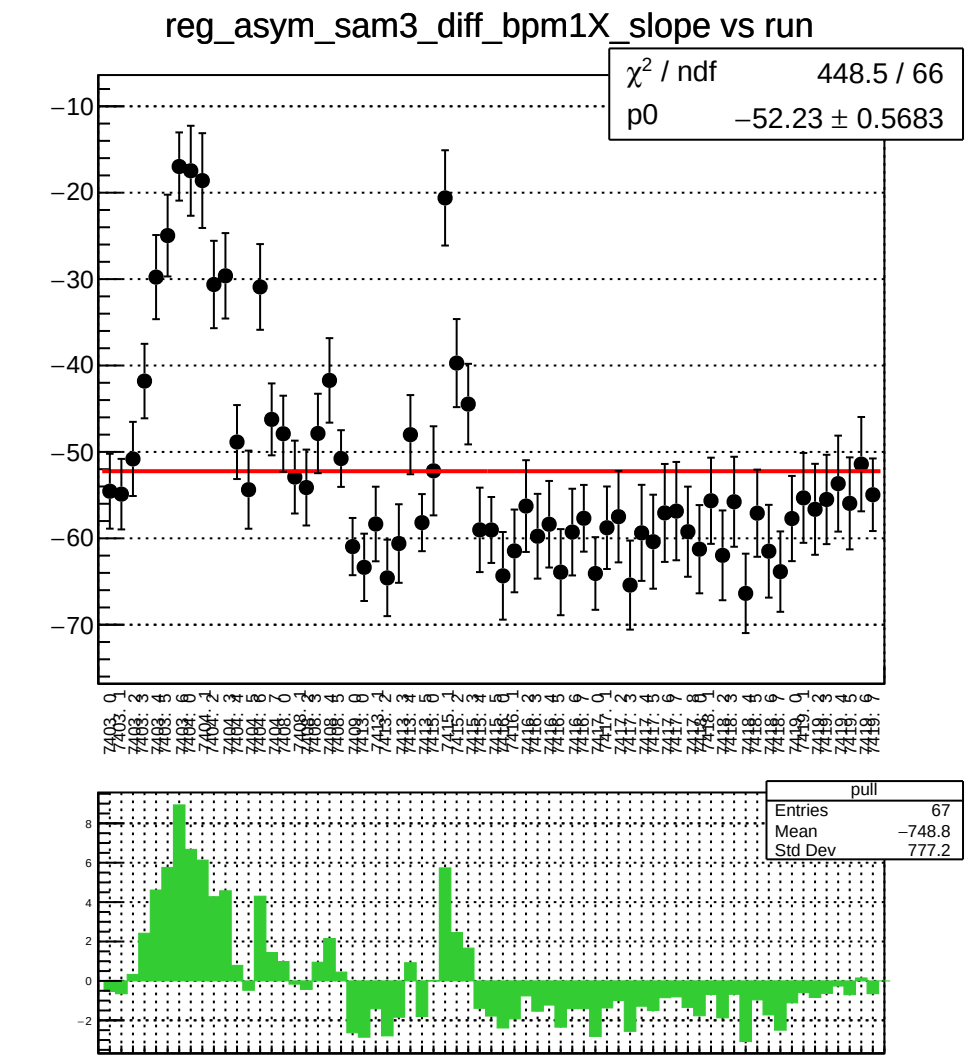

pull1D
Entries 67
Mean −0.02291
Std Dev 0.4113

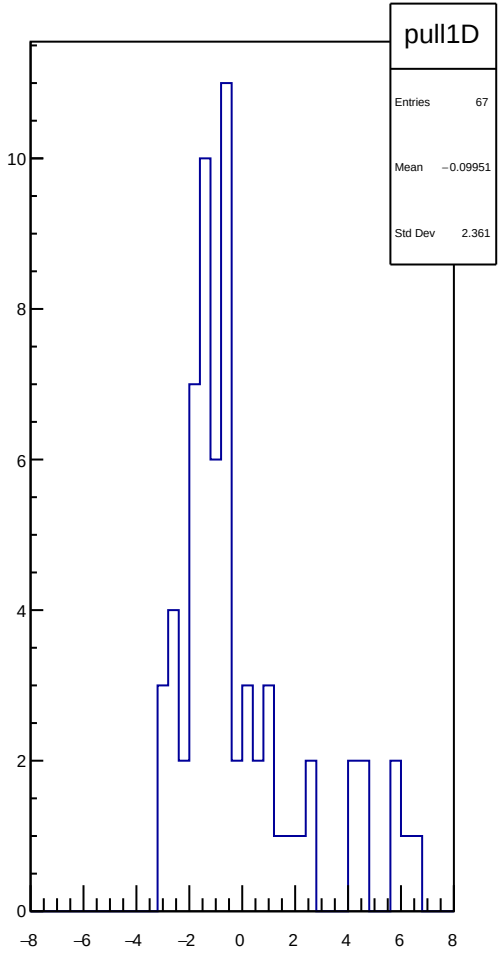

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 15.72 / 66
p0 −136.1± 1.439
pull
Entries 67
Mean −154.1
Std Dev 269.8

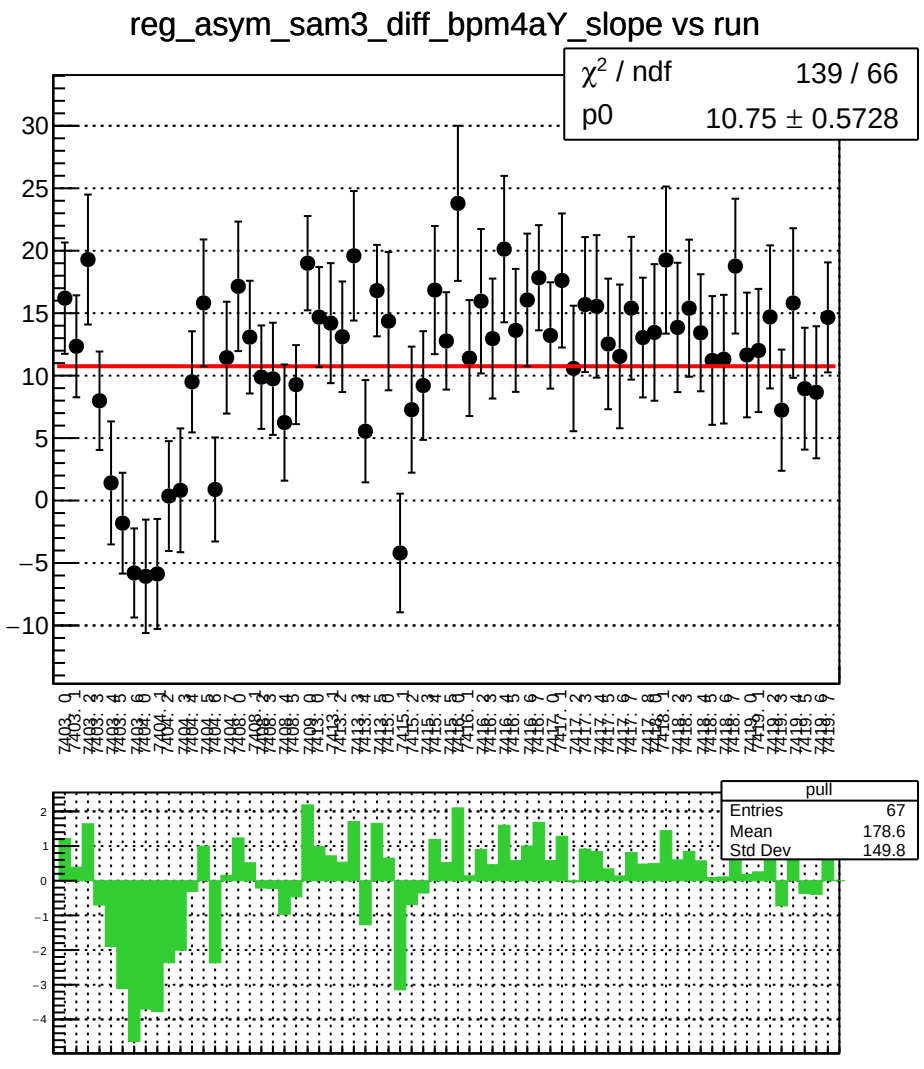

pull1D
Entries 67
Mean −0.002004
Std Dev 0.4843

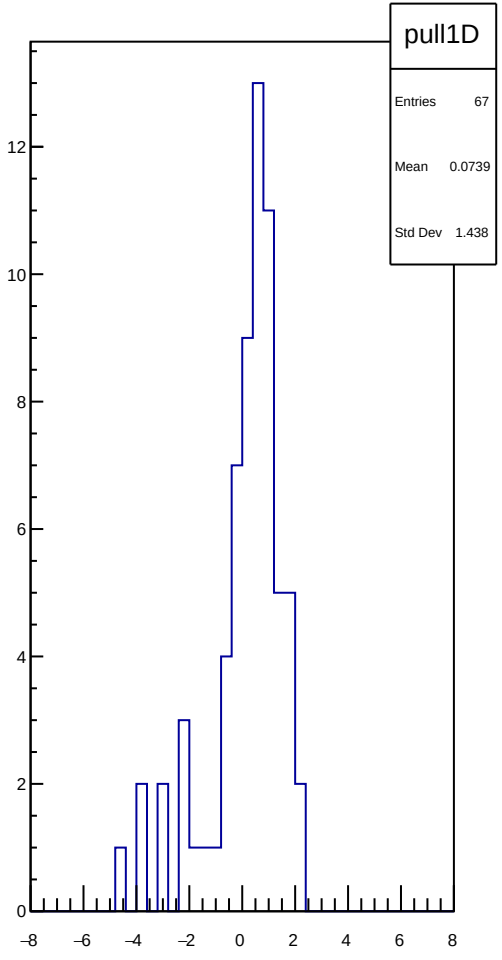

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 9.861 / 66
p0 1.247 ± 0.0636
pull
Entries 67
Mean 256
Std Dev 229.6

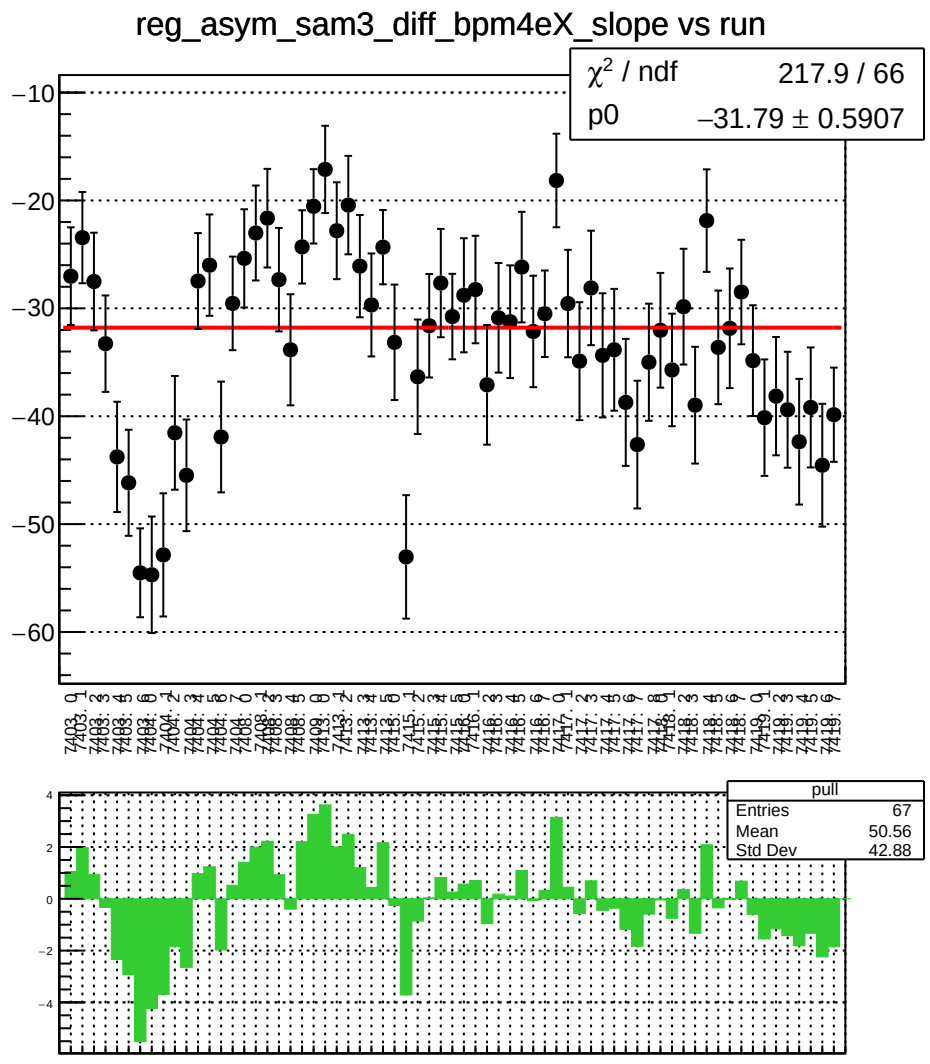

pull1D
Entries 67
Mean −0.005567
Std Dev 0.3836

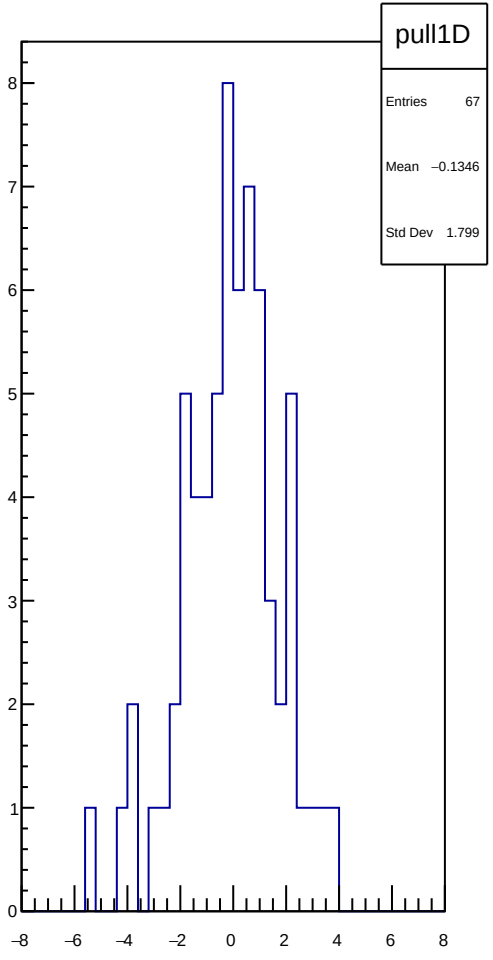

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 448.5 / 66
p0 −52.23 ± 0.5683
pull
Entries 67
Mean −748.8
Std Dev 777.2

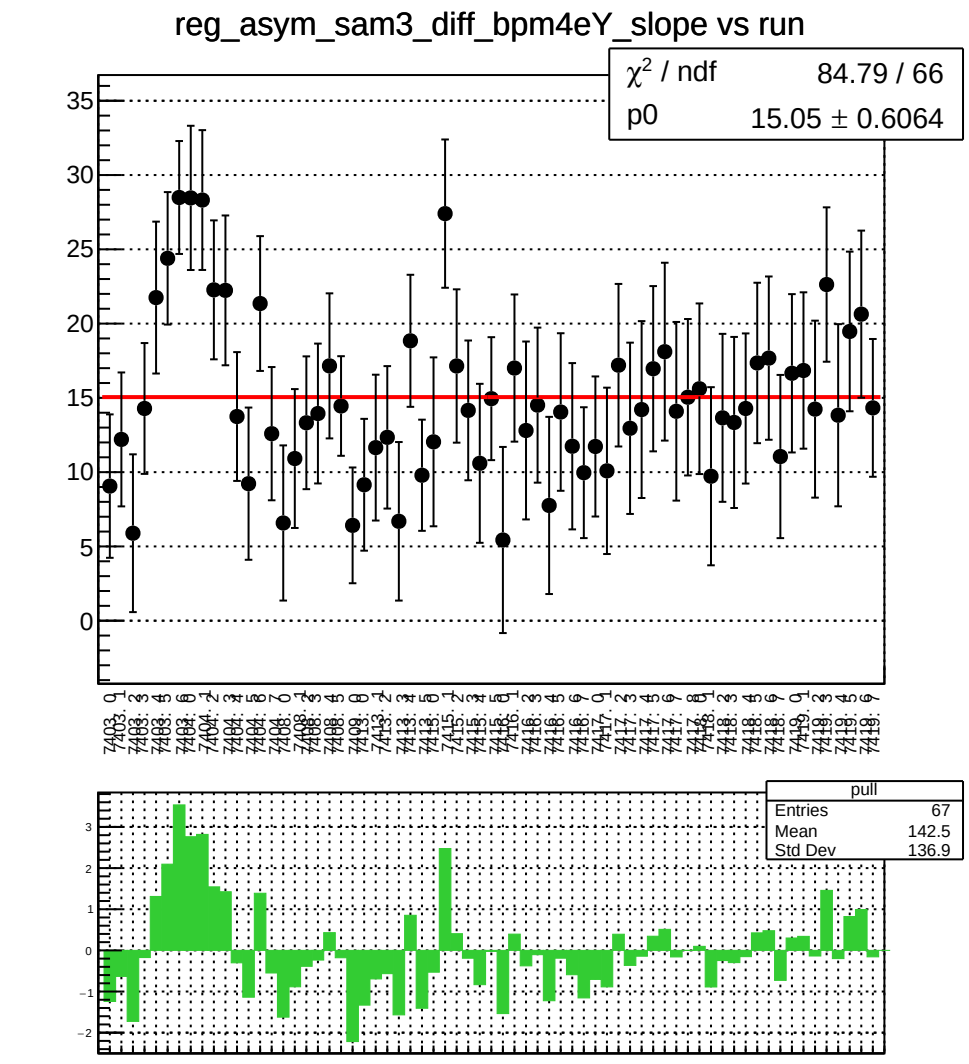

pull1D
Entries 67
Mean −0.09951
Std Dev 2.361

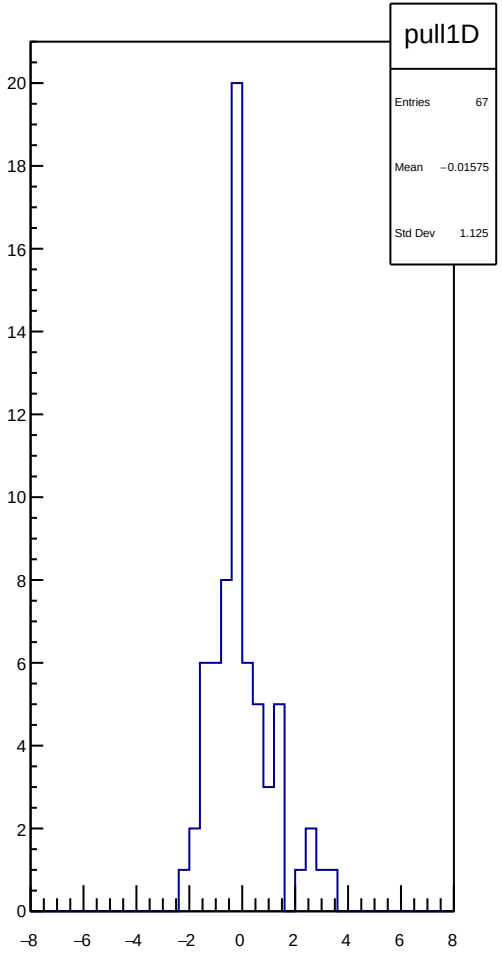

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 139 / 66
p0 10.75 ± 0.5728
pull
Entries 67
Mean 178.6
Std Dev 149.8

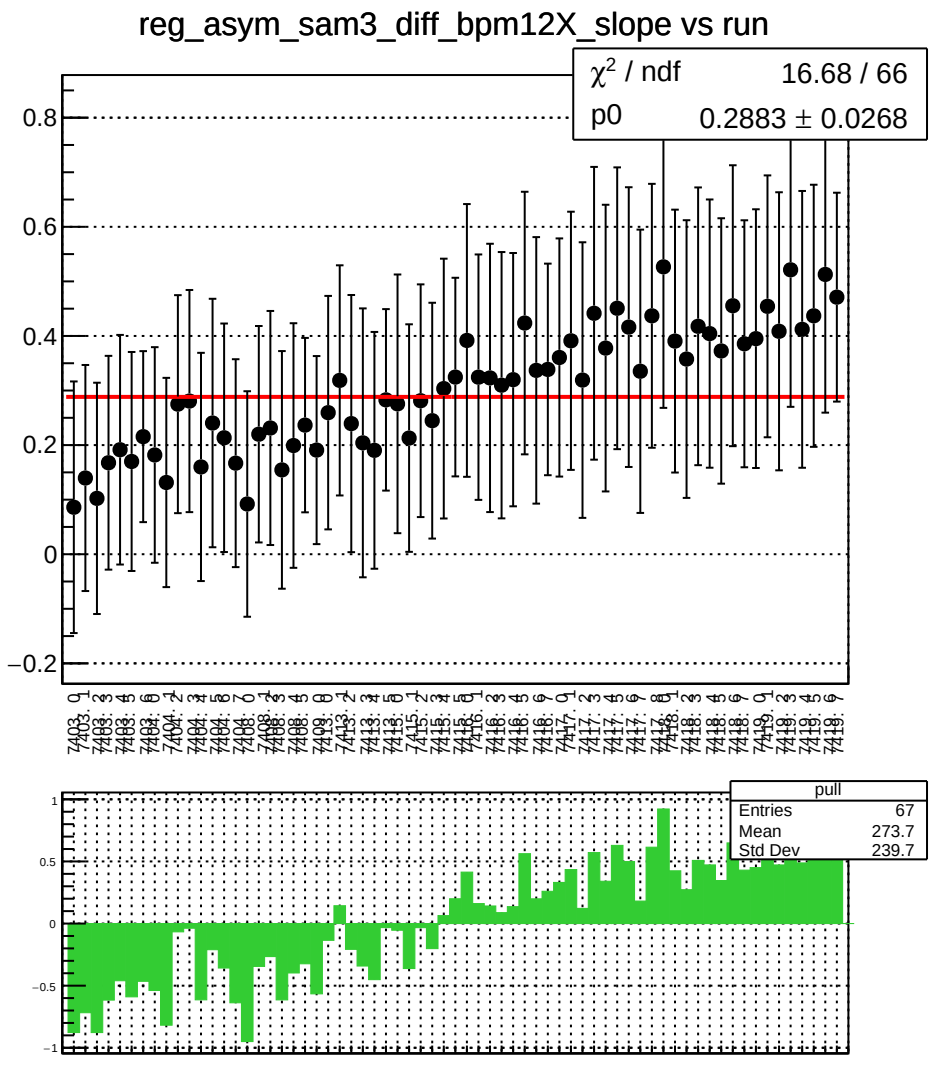

pull1D
Entries 67
Mean 0.0739
Std Dev 1.438

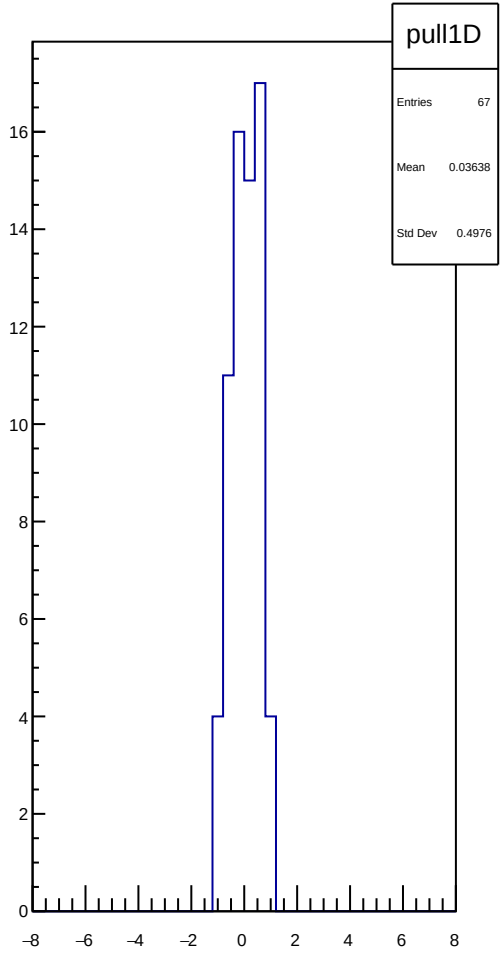

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 217.9 / 66
p0 −31.79 ± 0.5907
pull
Entries 67
Mean 50.56
Std Dev 42.88

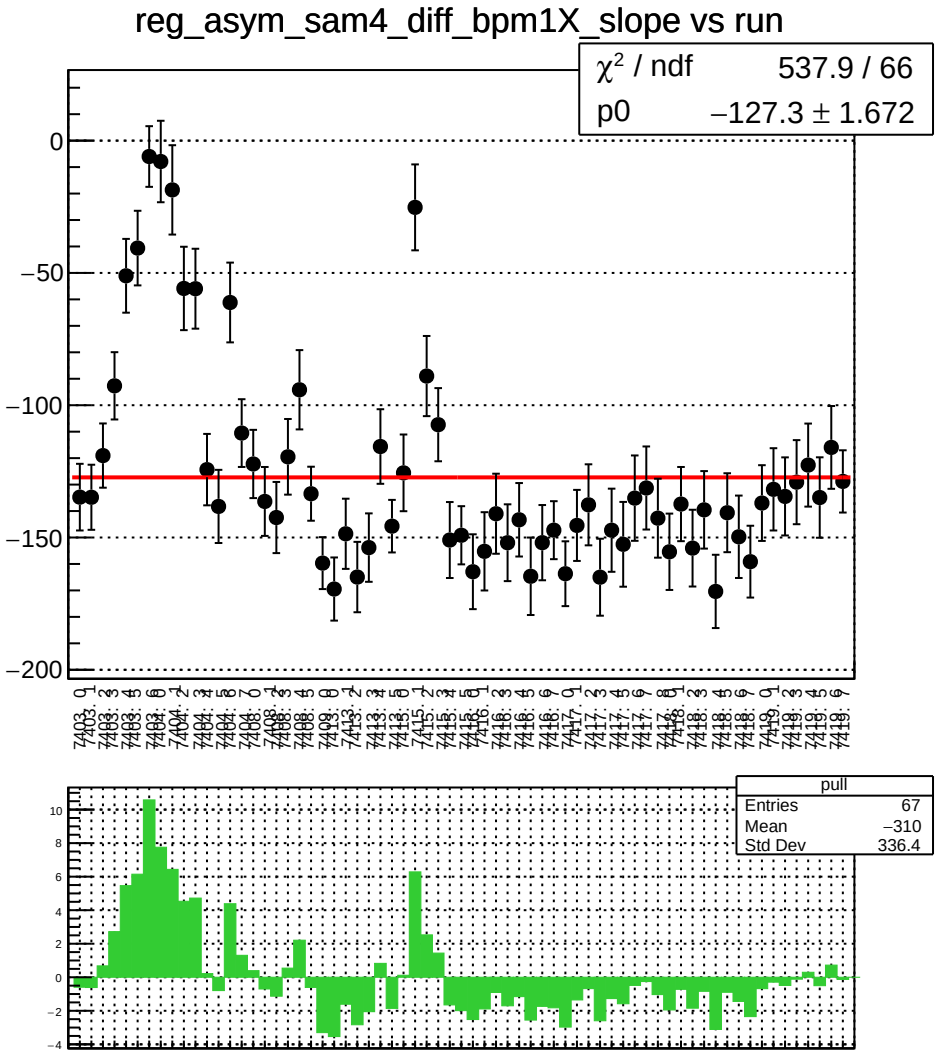

pull1D
Entries 67
Mean −0.1346
Std Dev 1.799

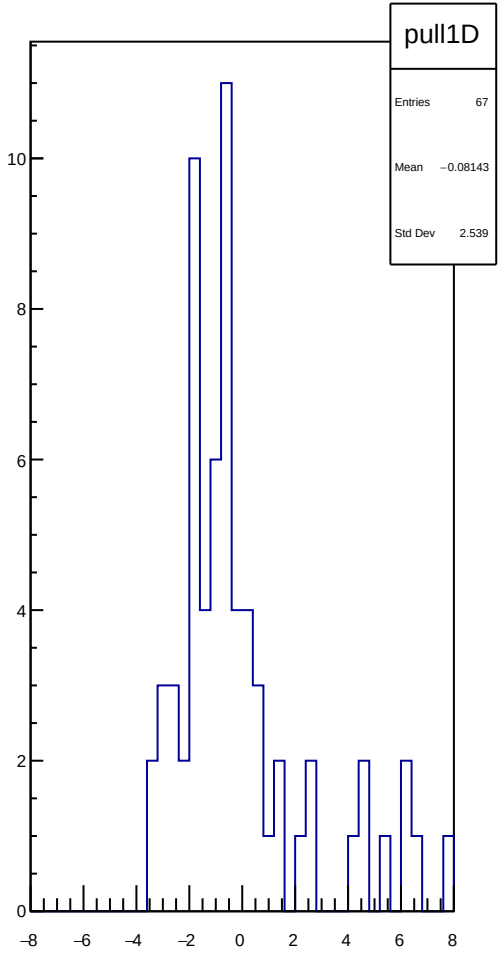

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 84.79 / 66
p0 15.05 ± 0.6064
pull
Entries 67
Mean 142.5
Std Dev 136.9

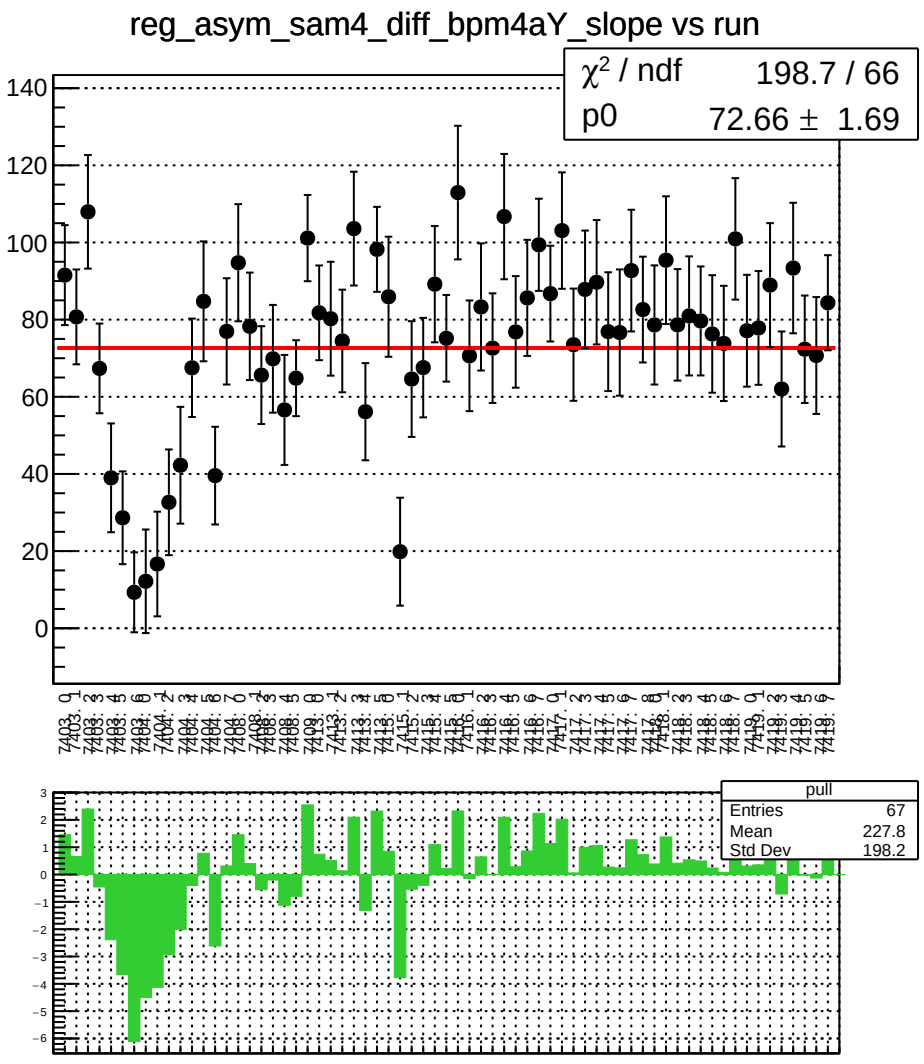

pull1D
Entries 67
Mean −0.01575
Std Dev 1.125

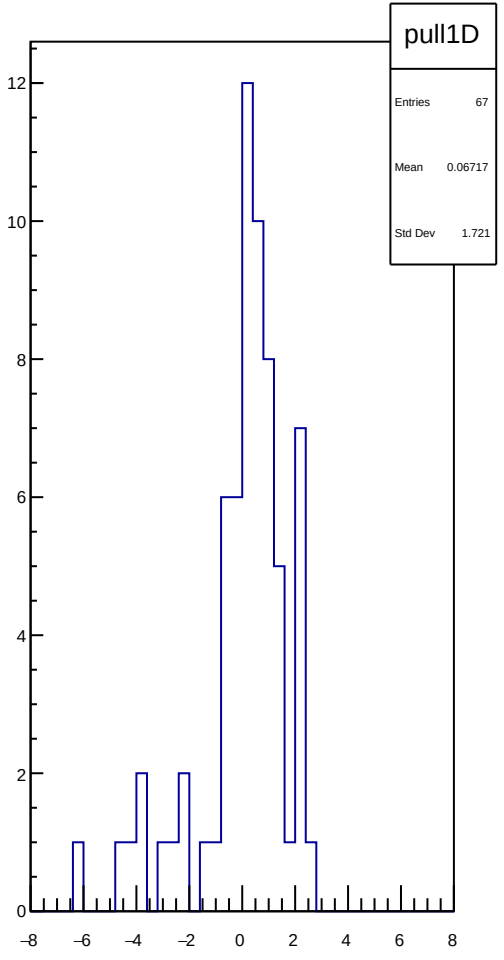

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 16.68 / 66
p0 0.2883 ± 0.0268
pull
Entries 67
Mean 273.7
Std Dev 239.7

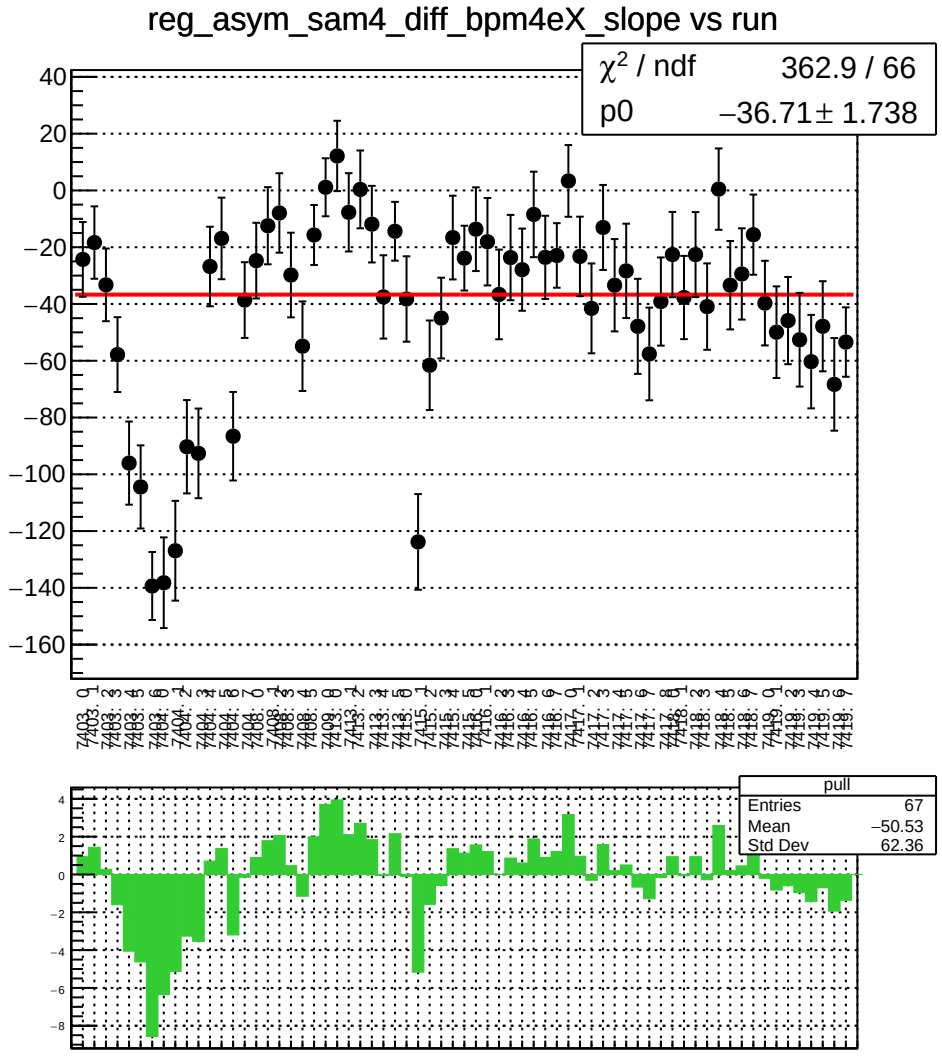

pull1D
Entries 67
Mean 0.03638
Std Dev 0.4976

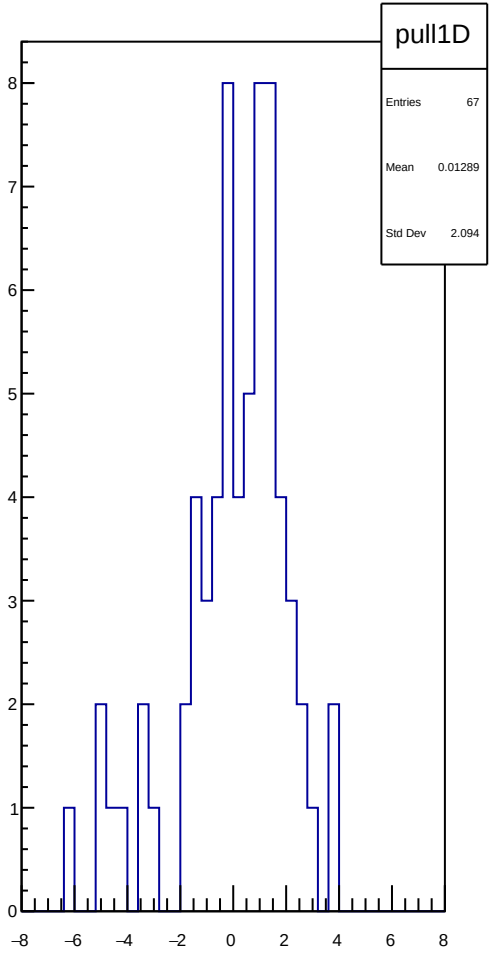

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 537.9 / 66
p0 −127.3 ± 1.672
pull
Entries 67
Mean −310
Std Dev 336.4

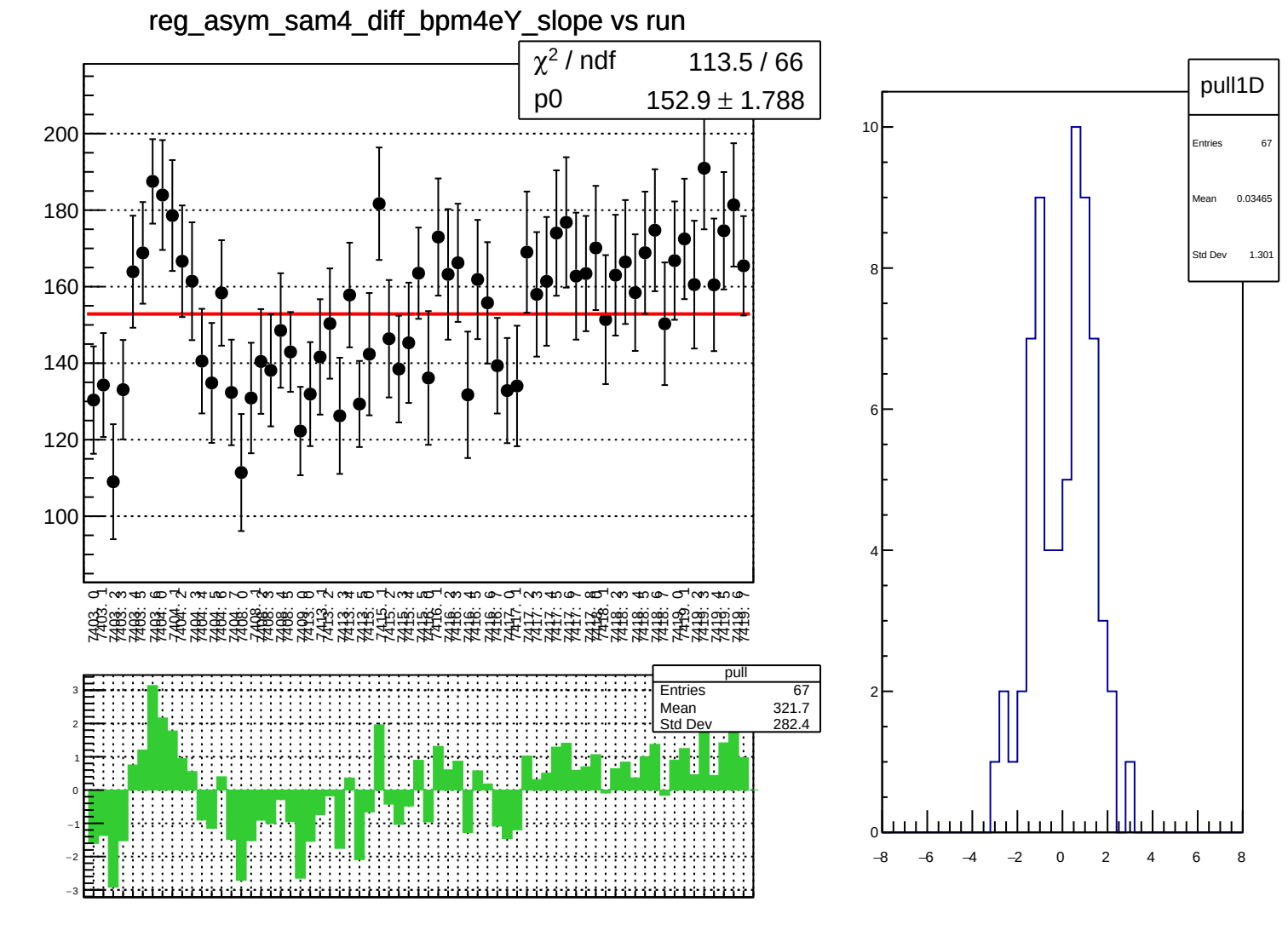

pull1D
Entries 67
Mean −0.08143
Std Dev 2.539

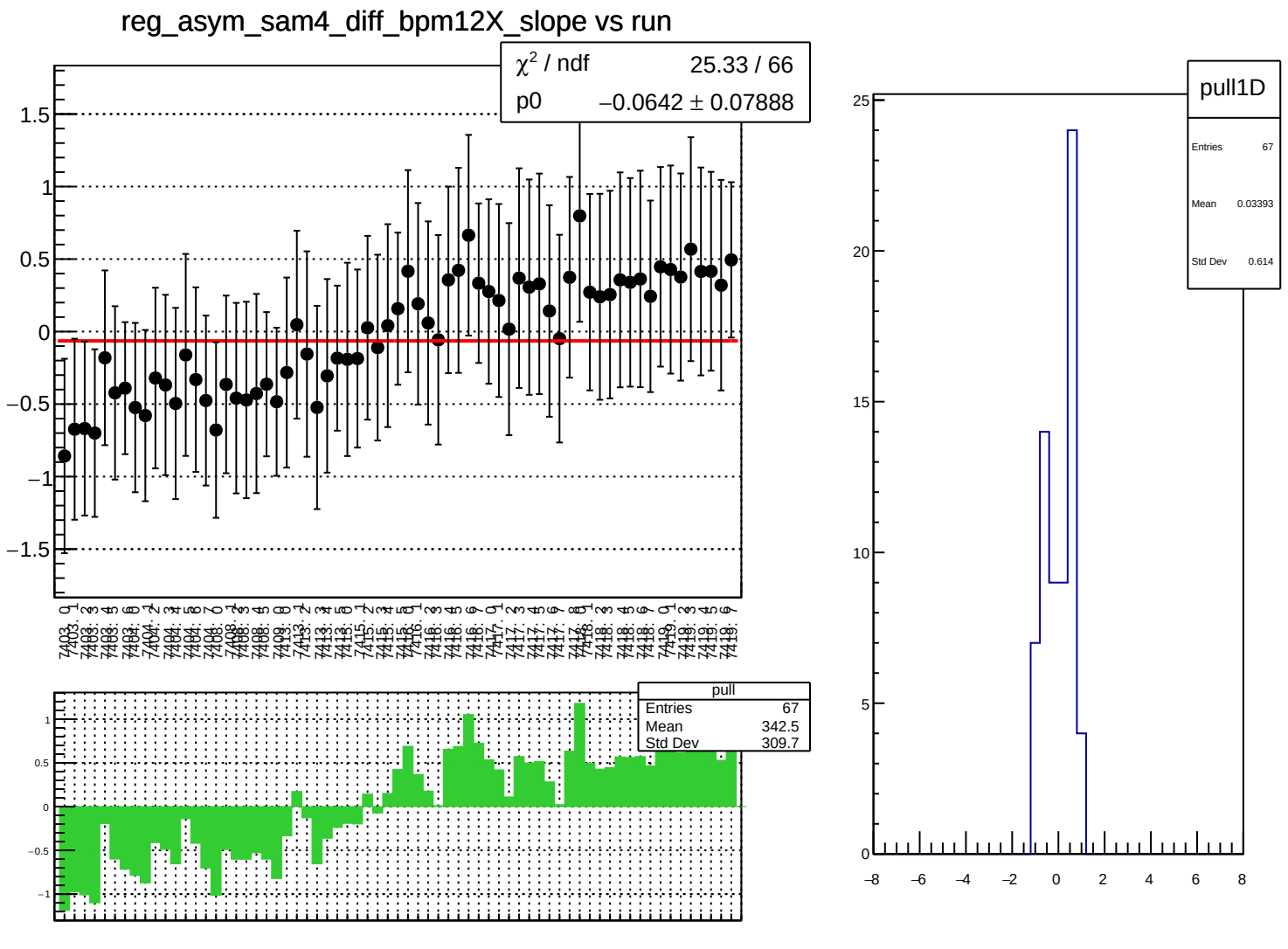

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 198.7 / 66
p0 72.66 ± 1.69
pull
Entries 67
Mean 227.8
Std Dev 198.2

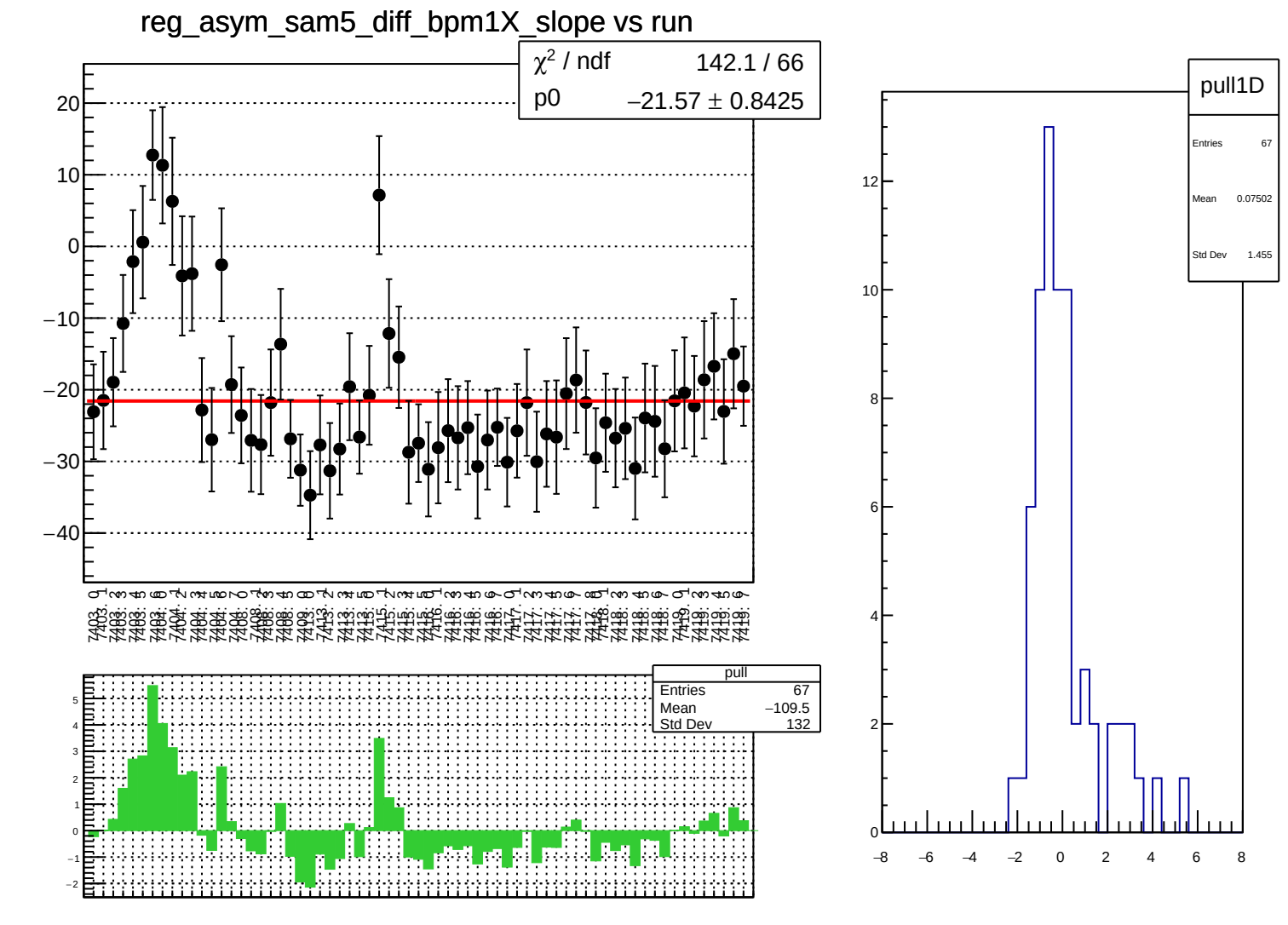

pull1D
Entries 67
Mean 0.06717
Std Dev 1.721

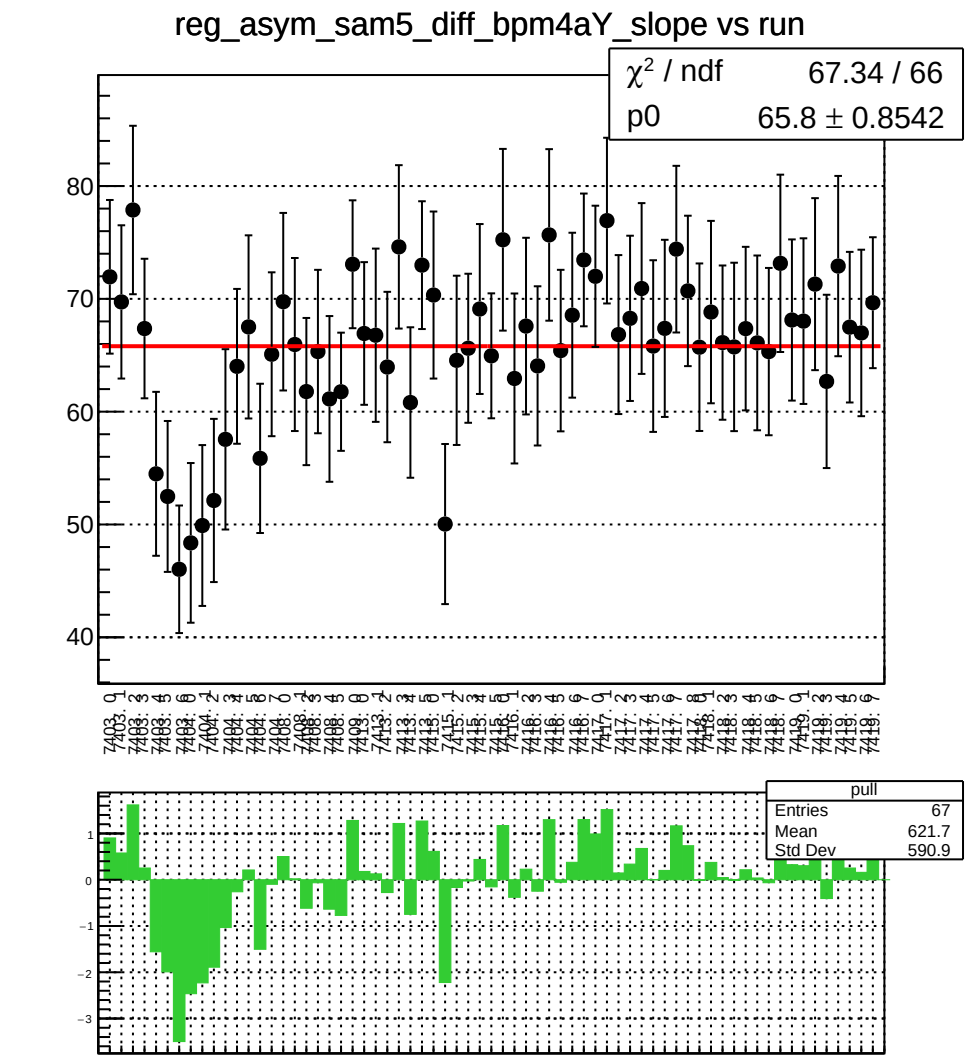

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 362.9 / 66
p0 −36.71± 1.738
pull
Entries 67
Mean −50.53
Std Dev 62.36

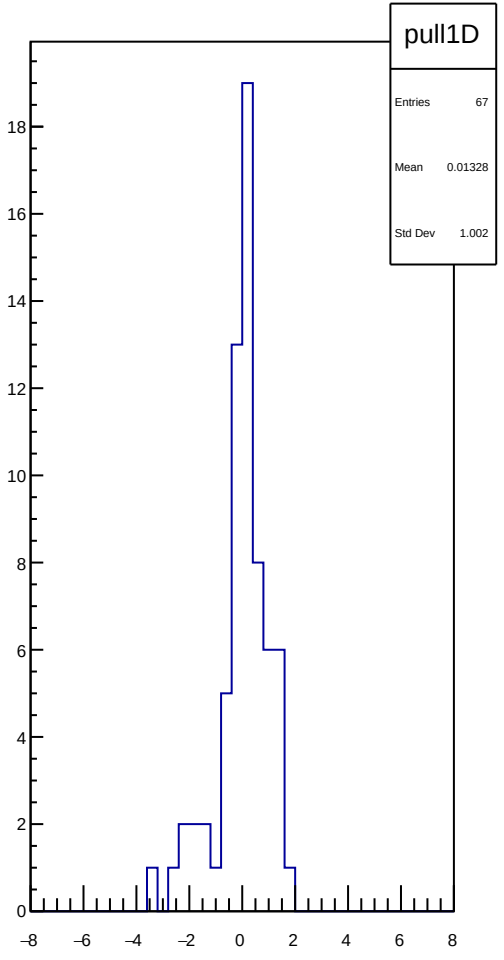

pull1D
Entries 67
Mean 0.01289
Std Dev 2.094

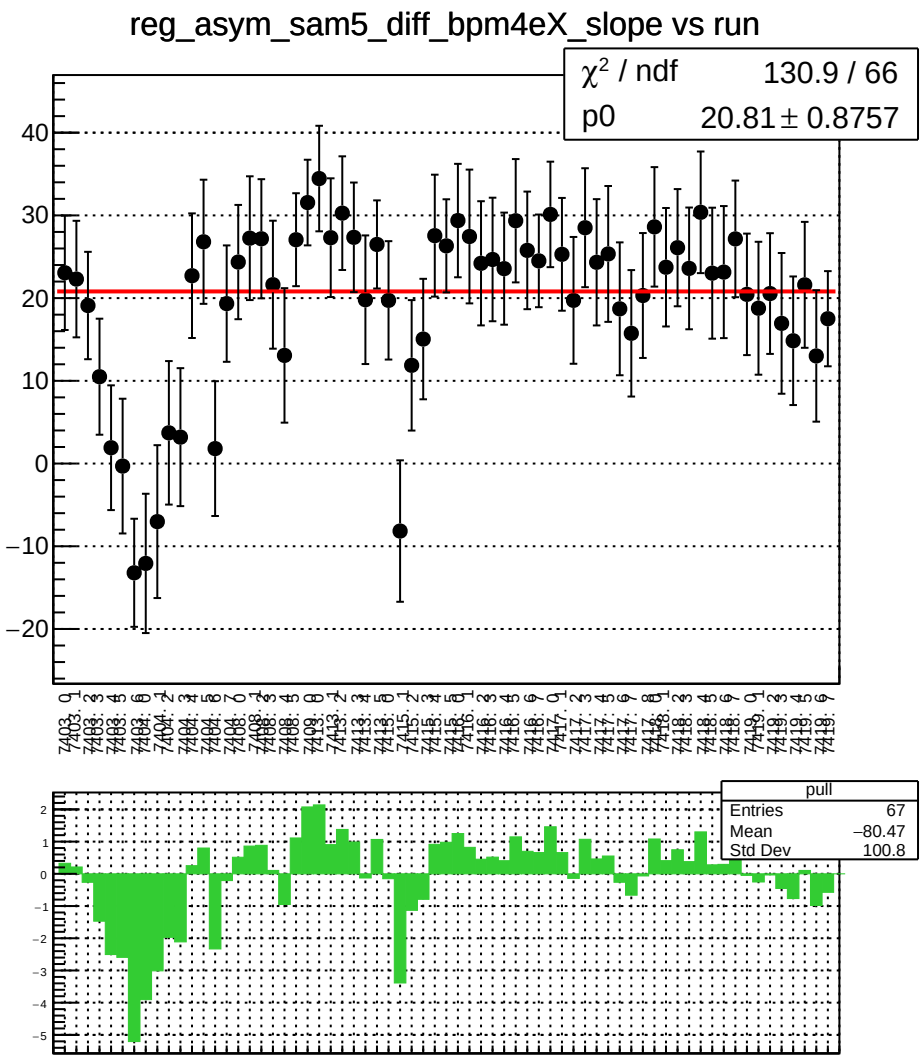

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 113.5 / 66
p0 152.9 ± 1.788
200
180
160
140
120
100
pull
Entries 67
Mean 321.7
Std Dev 282.4
3
2
1
0
−1
−2
−3
pull1D
Entries 67
Mean 0.03465
Std Dev 1.301
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

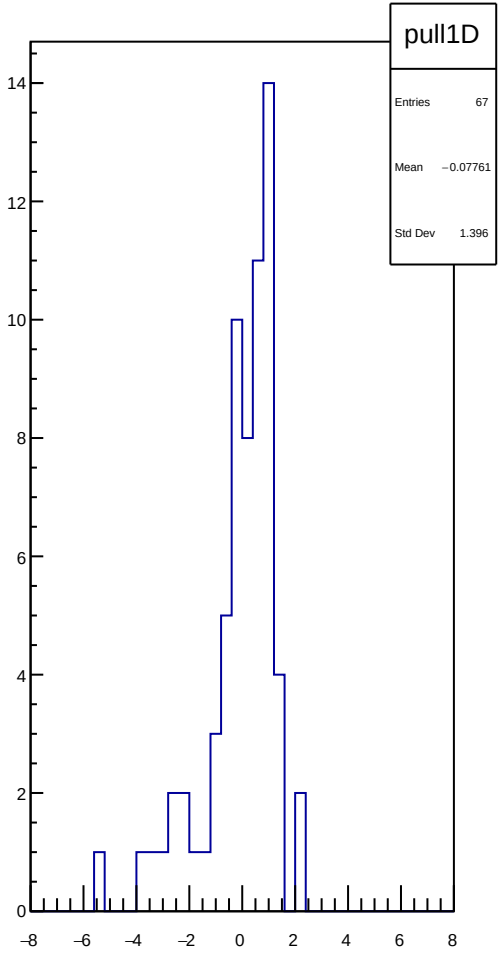

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 25.33 / 66
p0 −0.0642 ± 0.07888
pull
Entries 67
Mean 342.5
Std Dev 309.7
pull1D
Entries 67
Mean 0.03393
Std Dev 0.614

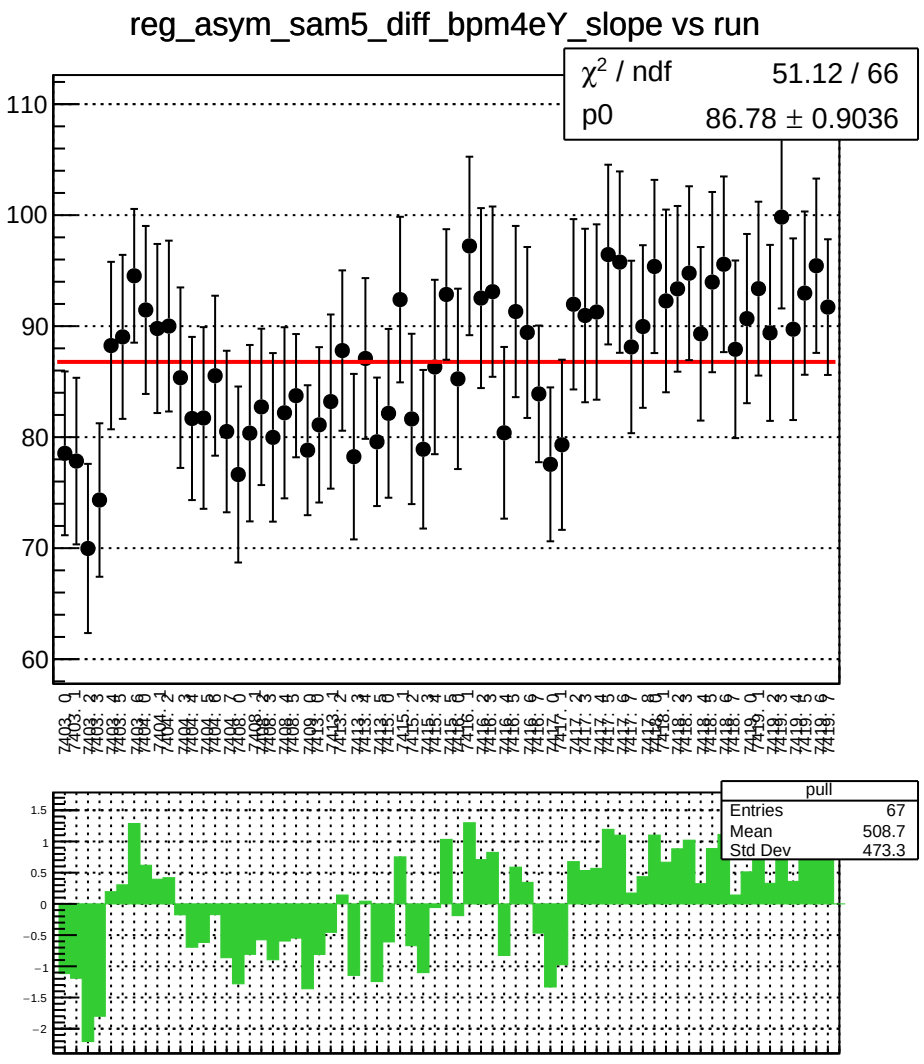

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 142.1 / 66
p0 −21.57 ± 0.8425
pull
Entries 67
Mean −109.5
Std Dev 132
pull1D
Entries 67
Mean 0.07502
Std Dev 1.455

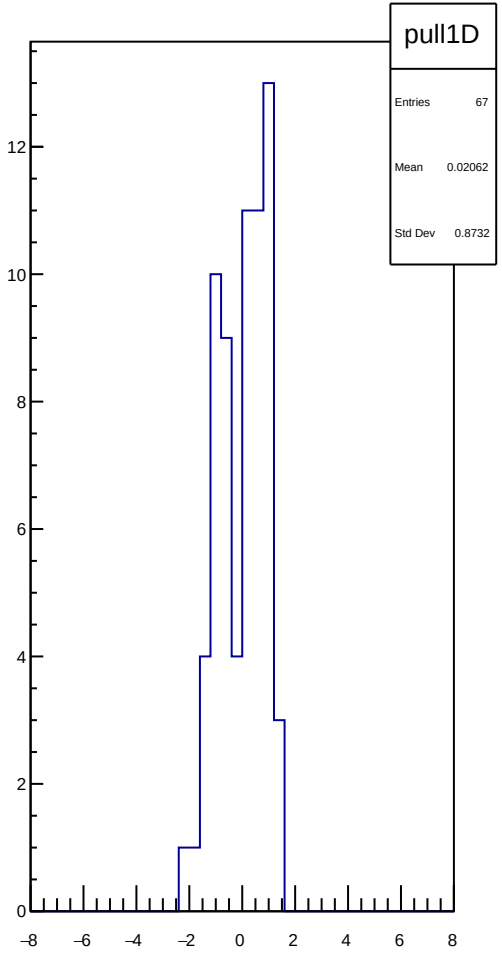

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 67.34 / 66
p0 65.8 ± 0.8542
pull
Entries 67
Mean 621.7
Std Dev 590.9

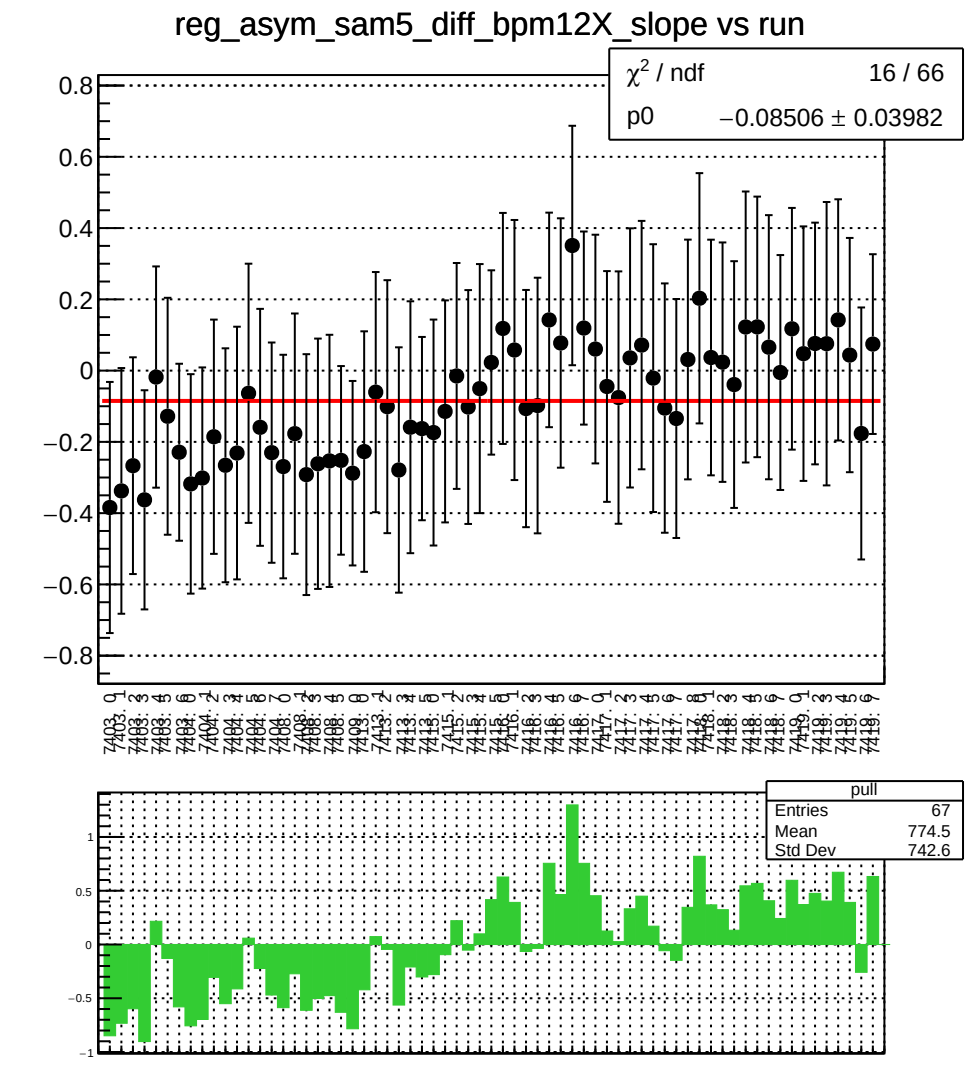

pull1D
Entries 67
Mean 0.01328
Std Dev 1.002

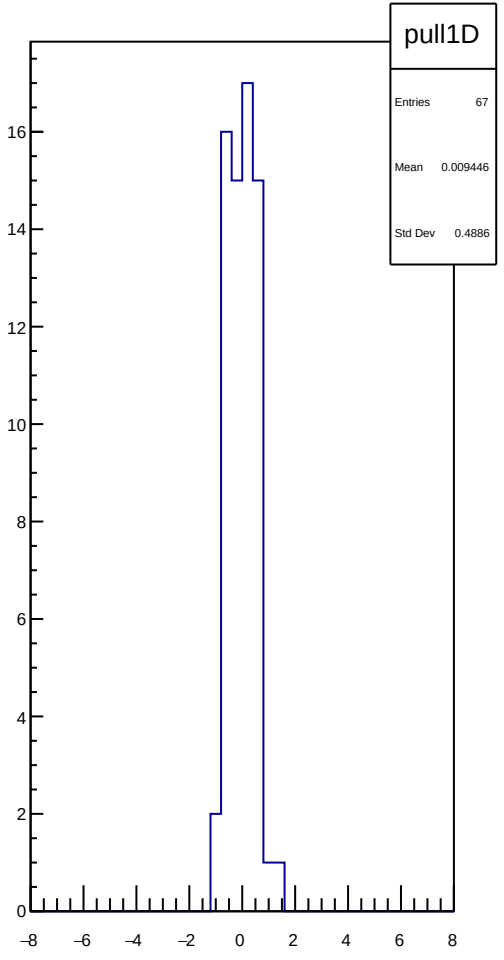

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 130.9 / 66
p0 20.81 ± 0.8757
pull
Entries 67
Mean −80.47
Std Dev 100.8

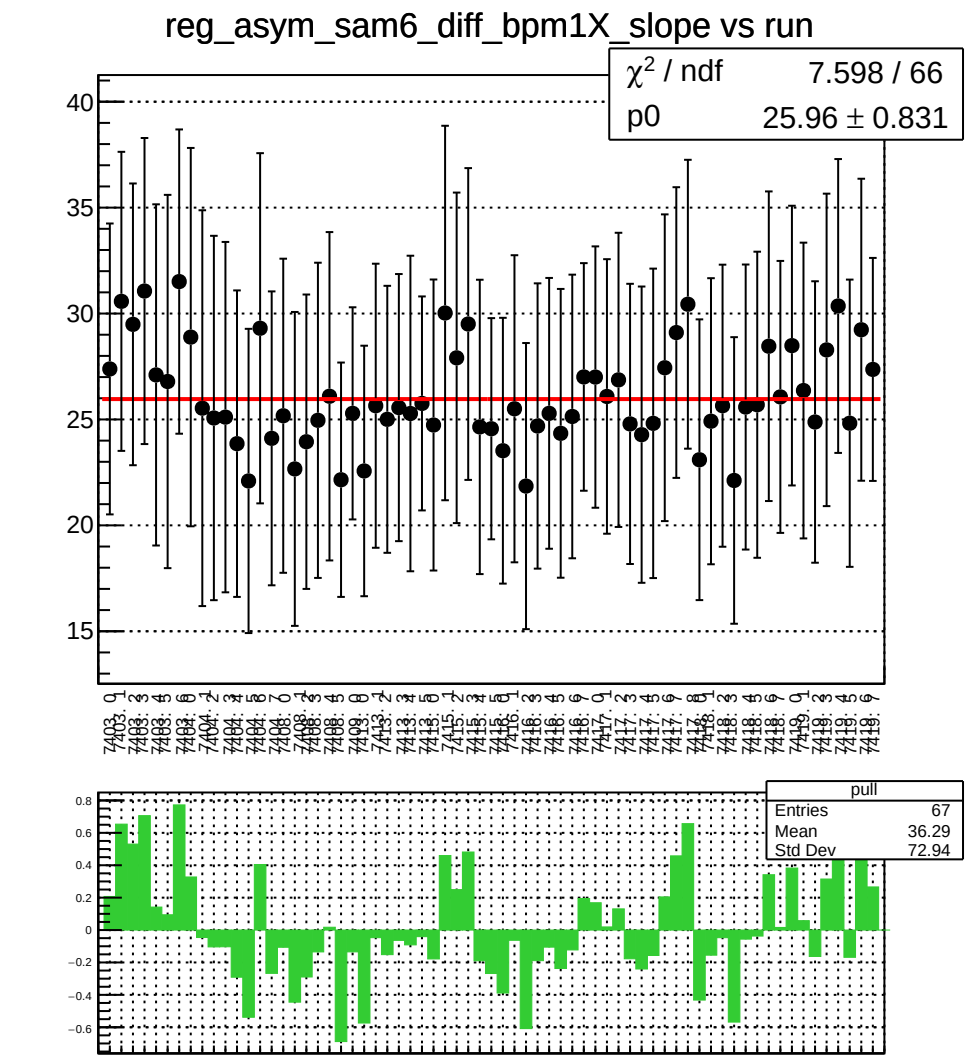

pull1D
Entries 67
Mean −0.07761
Std Dev 1.396

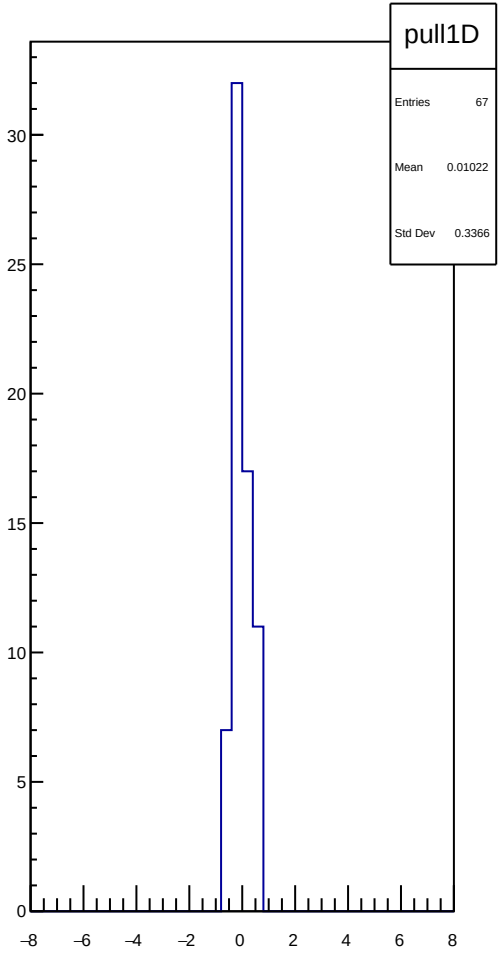

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 51.12 / 66
p0 86.78 ± 0.9036
pull
Entries 67
Mean 508.7
Std Dev 473.3

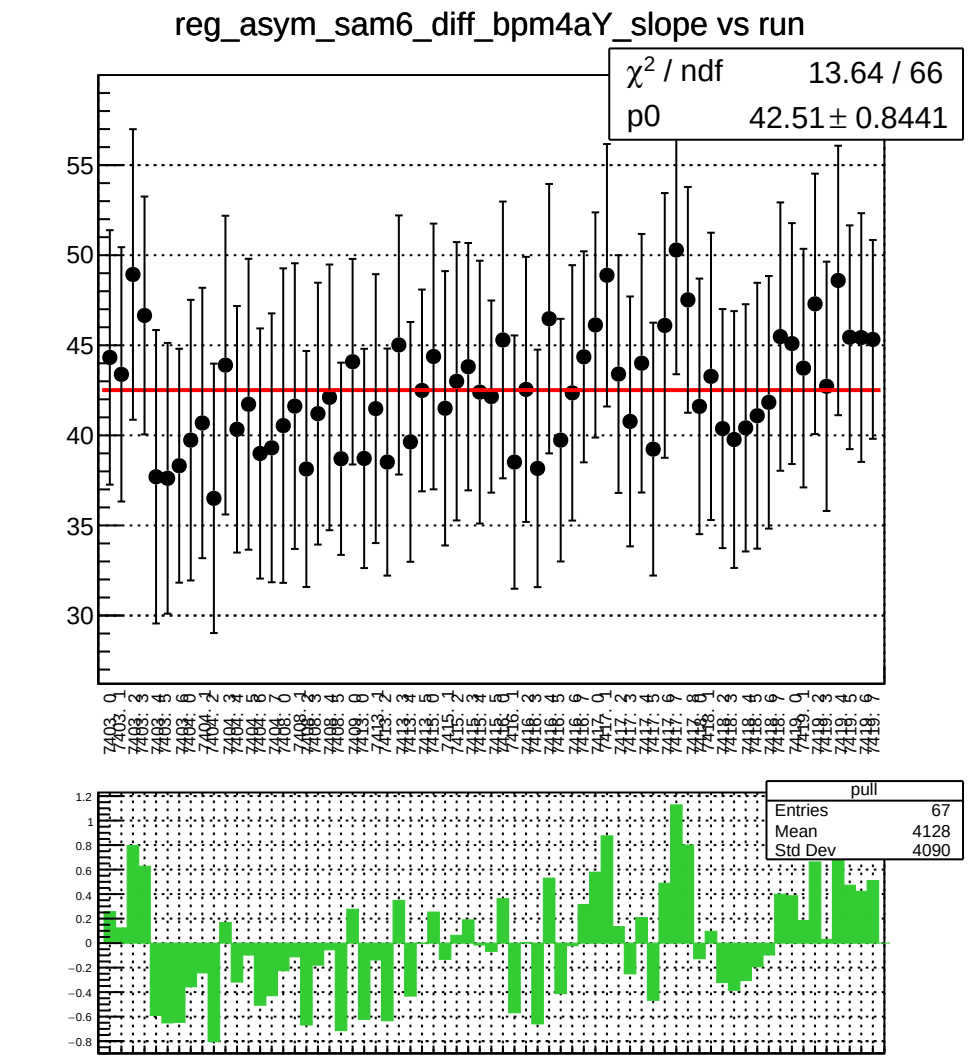

pull1D
Entries 67
Mean 0.02062
Std Dev 0.8732

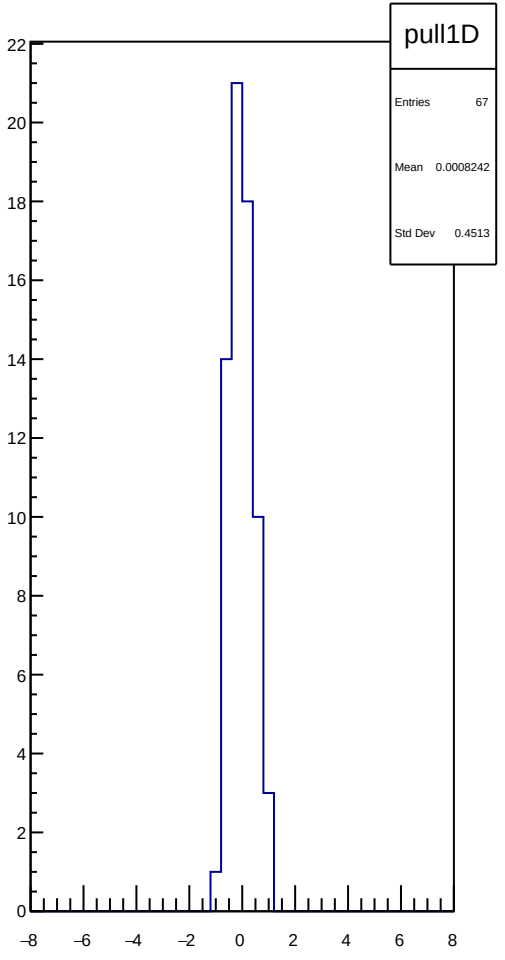

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 16 / 66
p0 −0.08506 ± 0.03982
pull
Entries 67
Mean 774.5
Std Dev 742.6

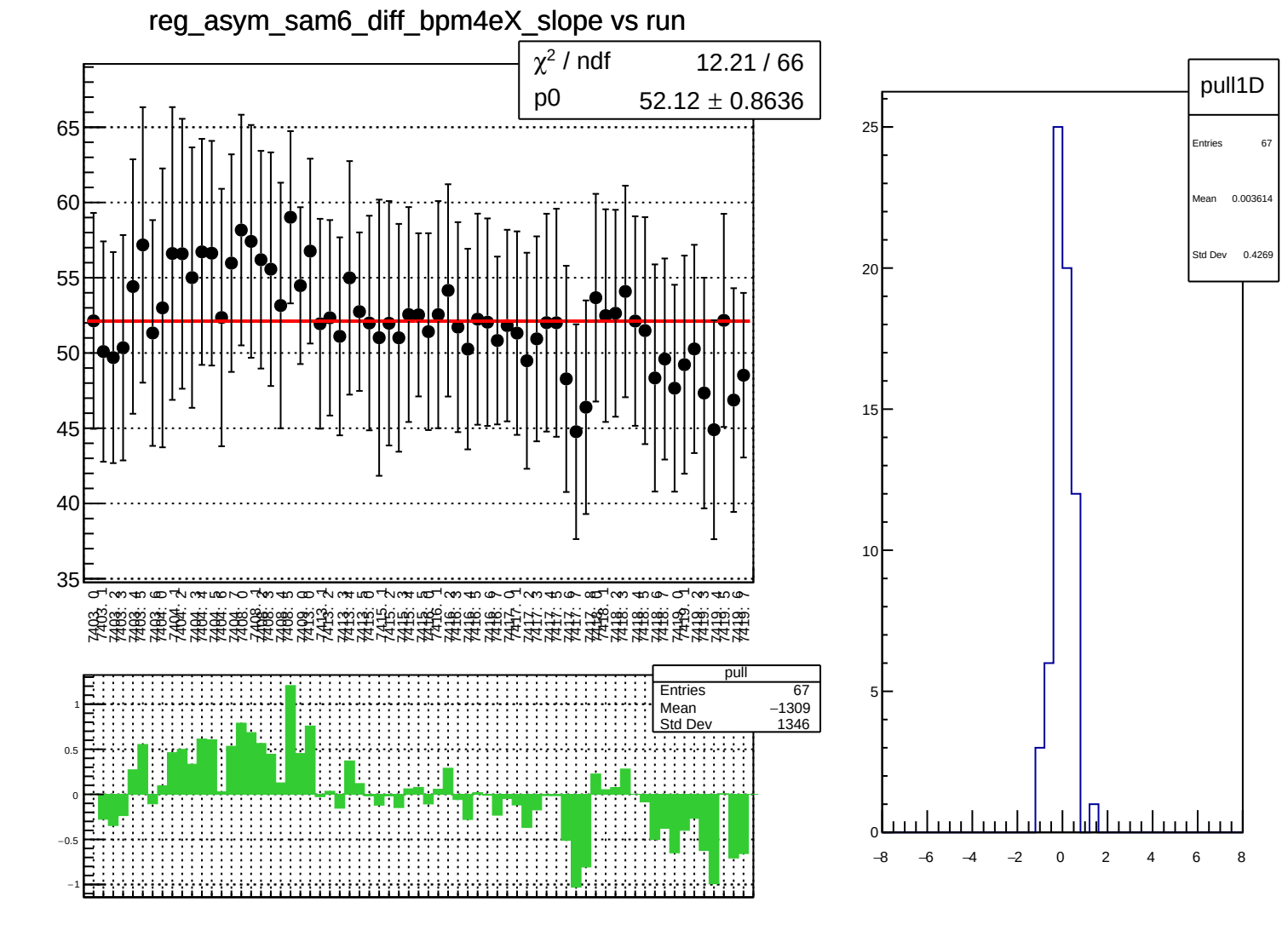

pull1D
Entries 67
Mean 0.009446
Std Dev 0.4886

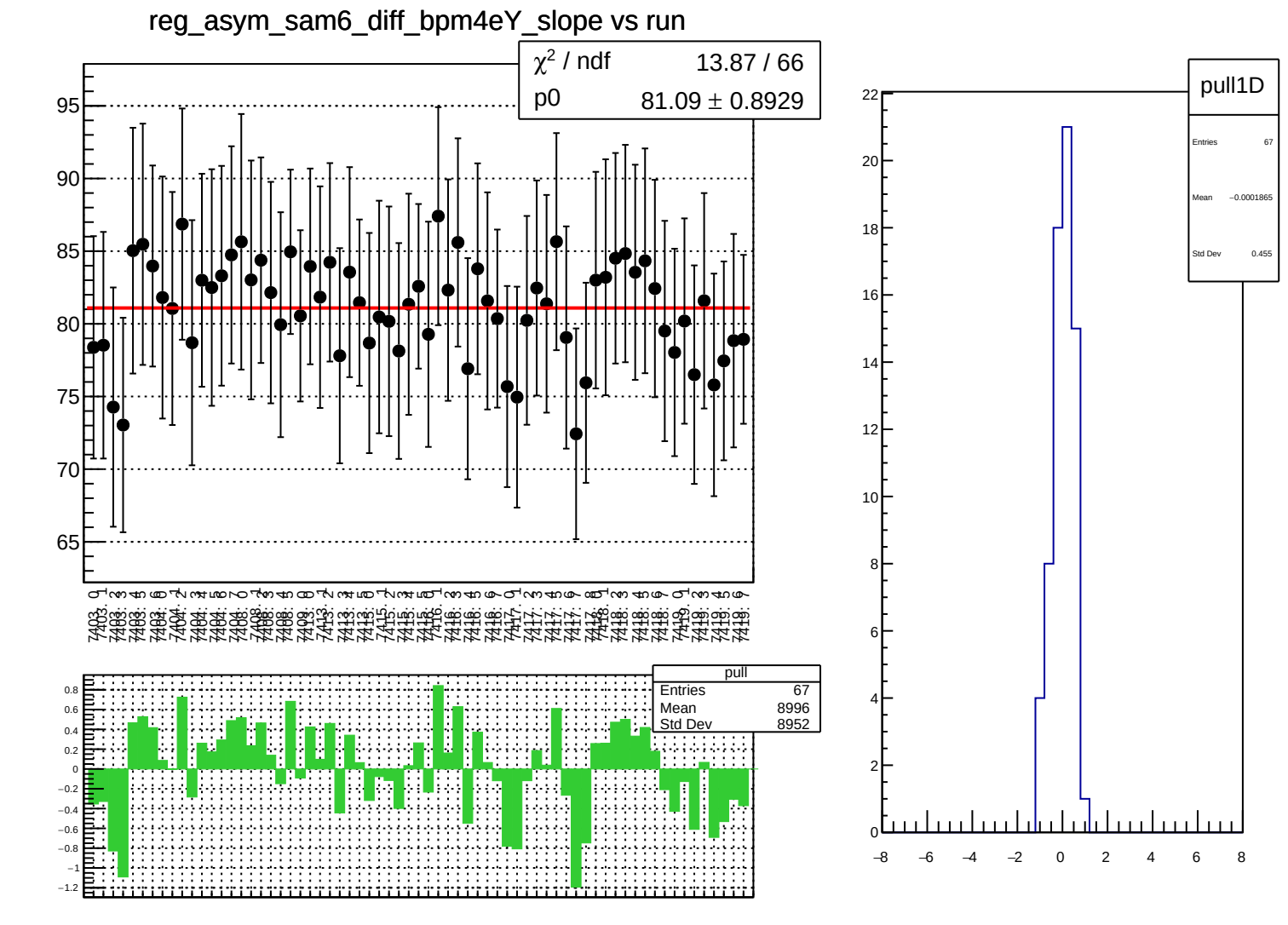

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.598 / 66
p0 25.96 ± 0.831
pull
Entries 67
Mean 36.29
Std Dev 72.94

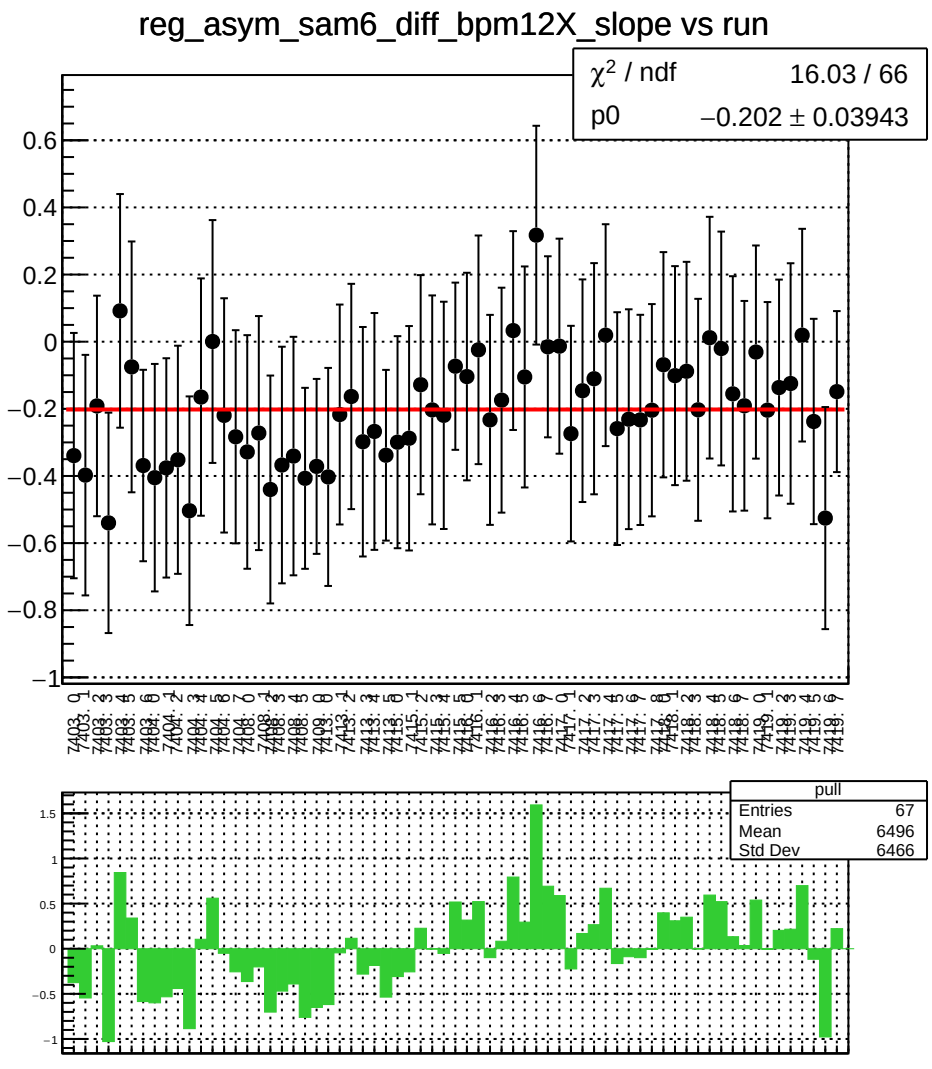

pull1D
Entries 67
Mean 0.01022
Std Dev 0.3366

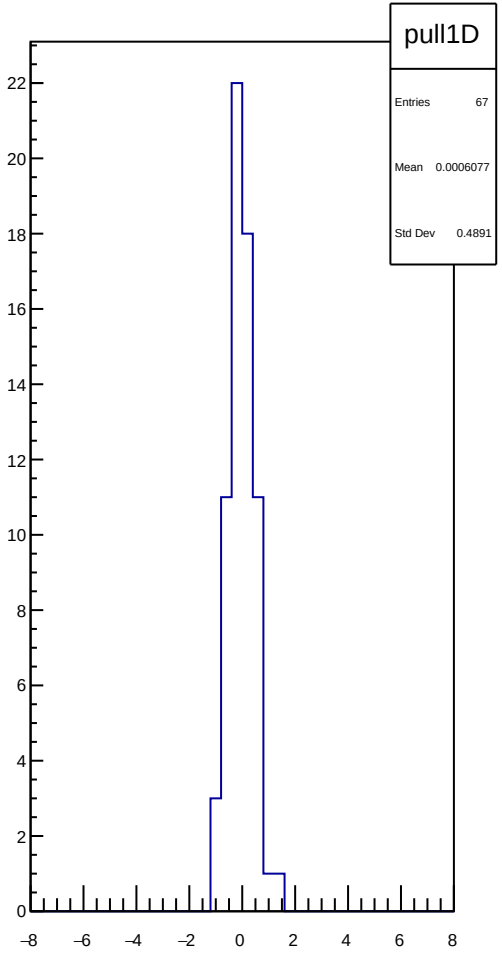

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 13.64 / 66
p0 42.51 ± 0.8441
pull
Entries 67
Mean 4128
Std Dev 4090

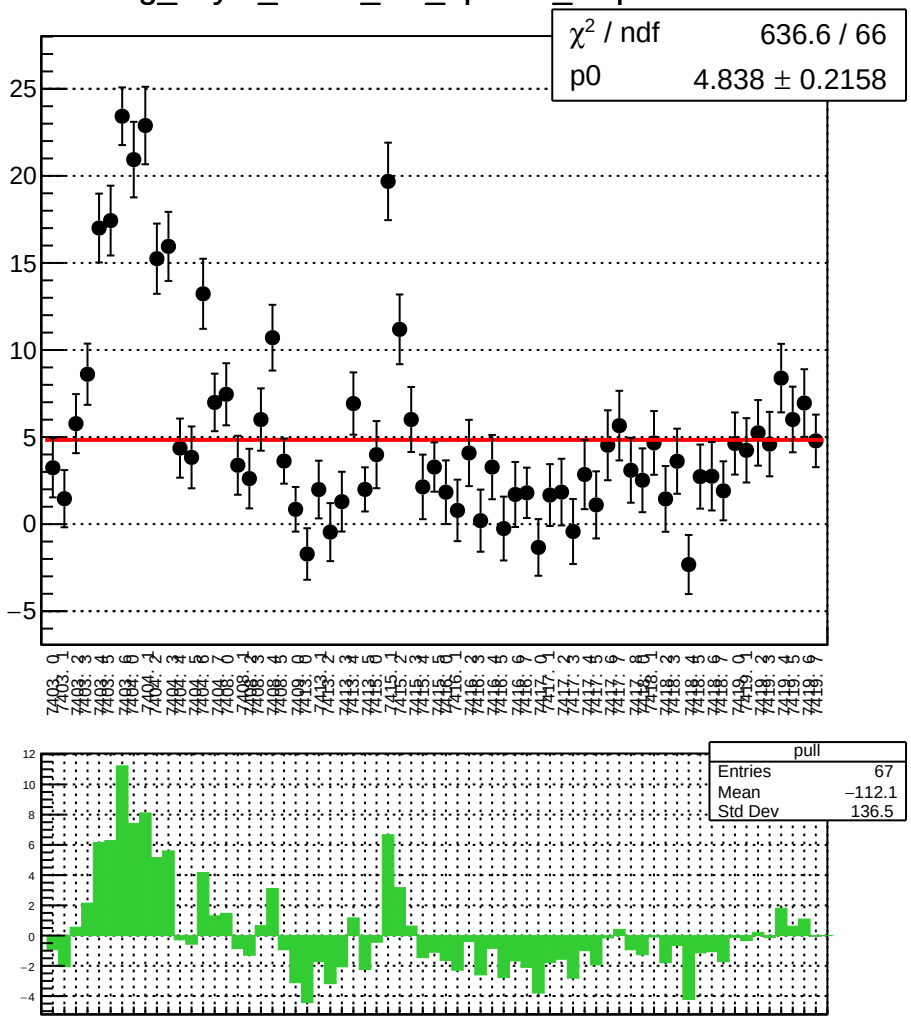

pull1D
Entries 67
Mean 0.0008242
Std Dev 0.4513

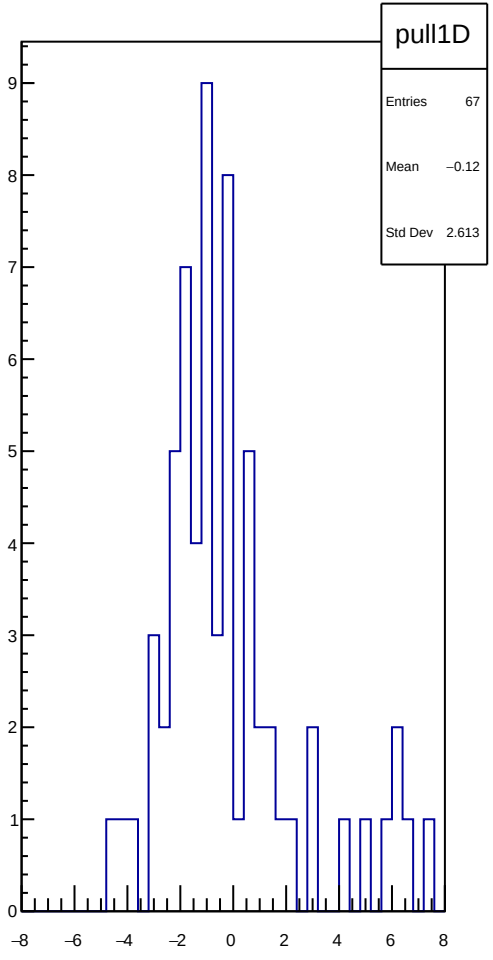

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 12.21 / 66
p0 52.12 ± 0.8636
pull
Entries 67
Mean −1309
Std Dev 1346
pull1D
Entries 67
Mean 0.003614
Std Dev 0.4269

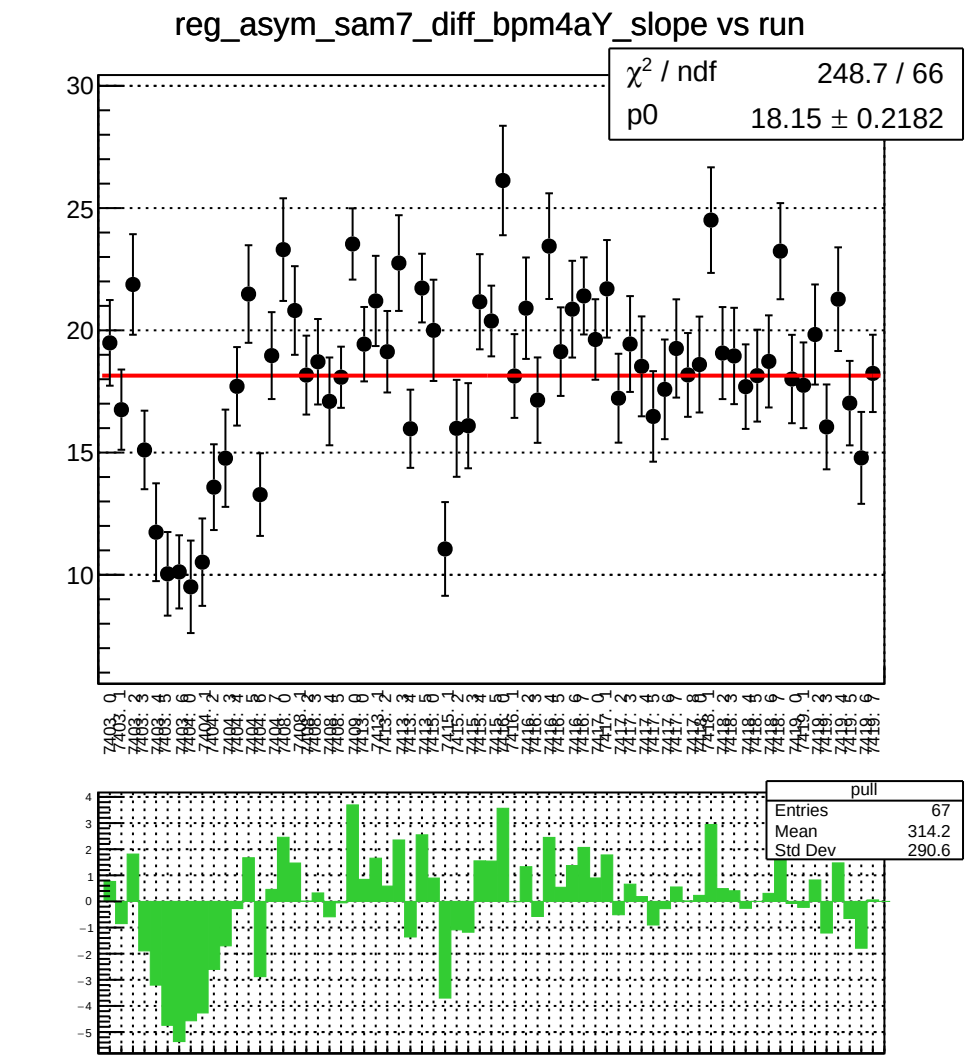

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.87 / 66
p0 81.09 ± 0.8929
pull
Entries 67
Mean 8996
Std Dev 8952
pull1D
Entries 67
Mean −0.0001865
Std Dev 0.455

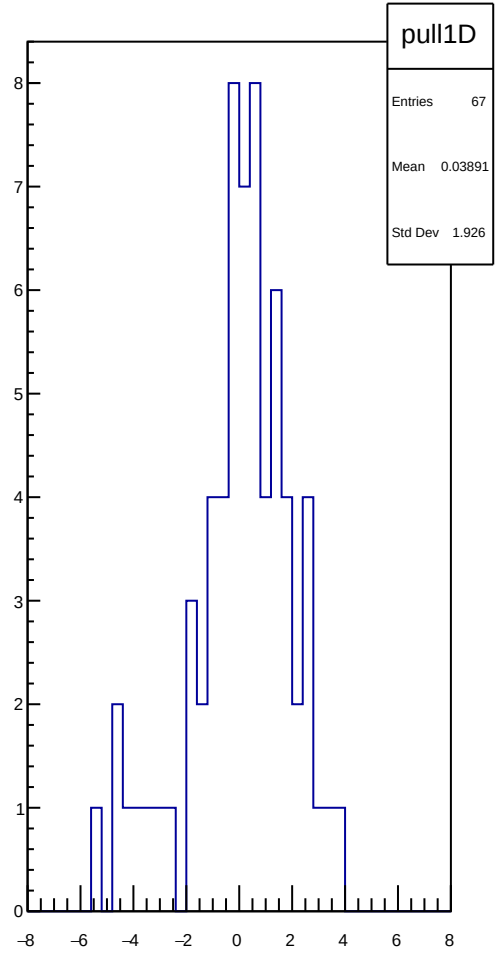

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 16.03 / 66
p0 −0.202 ± 0.03943
pull
Entries 67
Mean 6496
Std Dev 6466

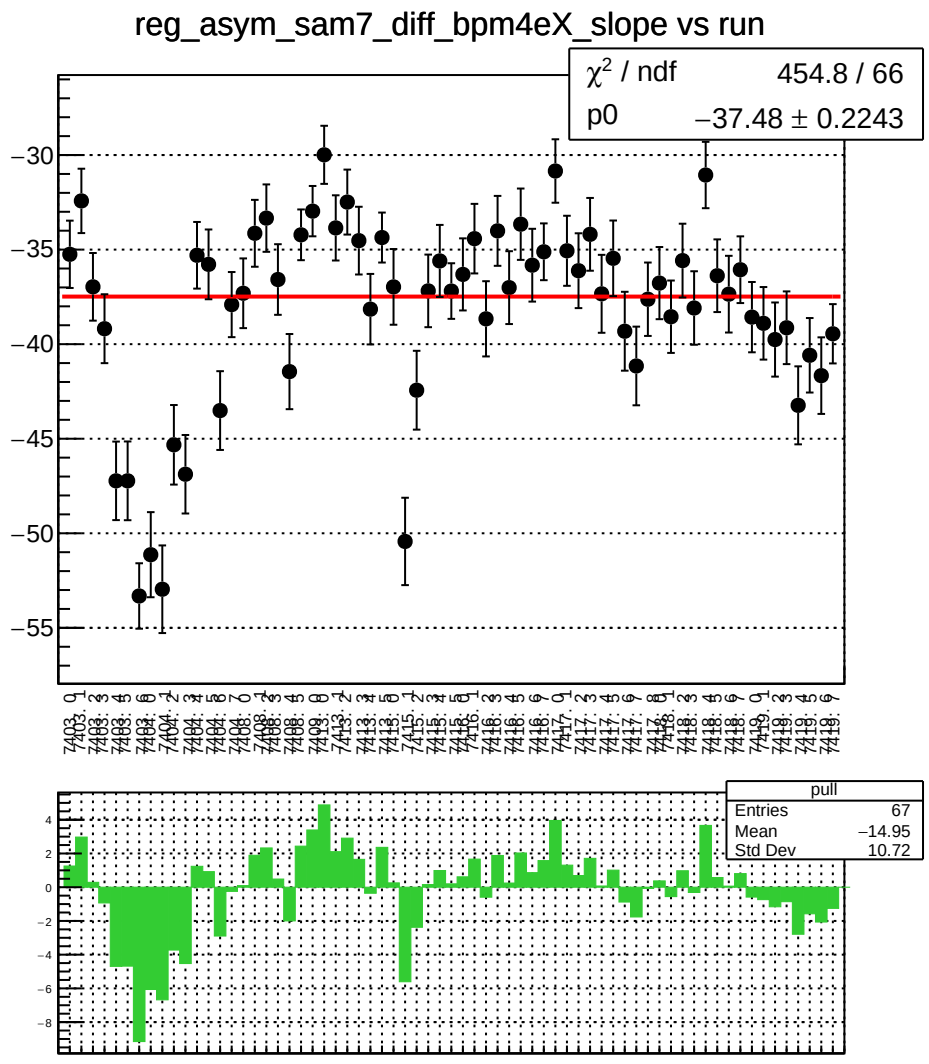

pull1D
Entries 67
Mean 0.0006077
Std Dev 0.4891

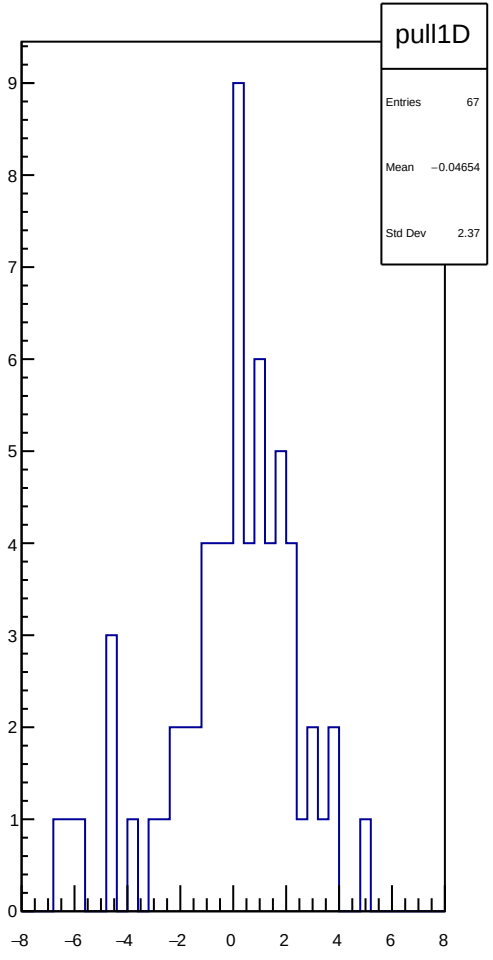

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 636.6 / 66
p0 4.838 ± 0.2158
pull
Entries 67
Mean −112.1
Std Dev 136.5

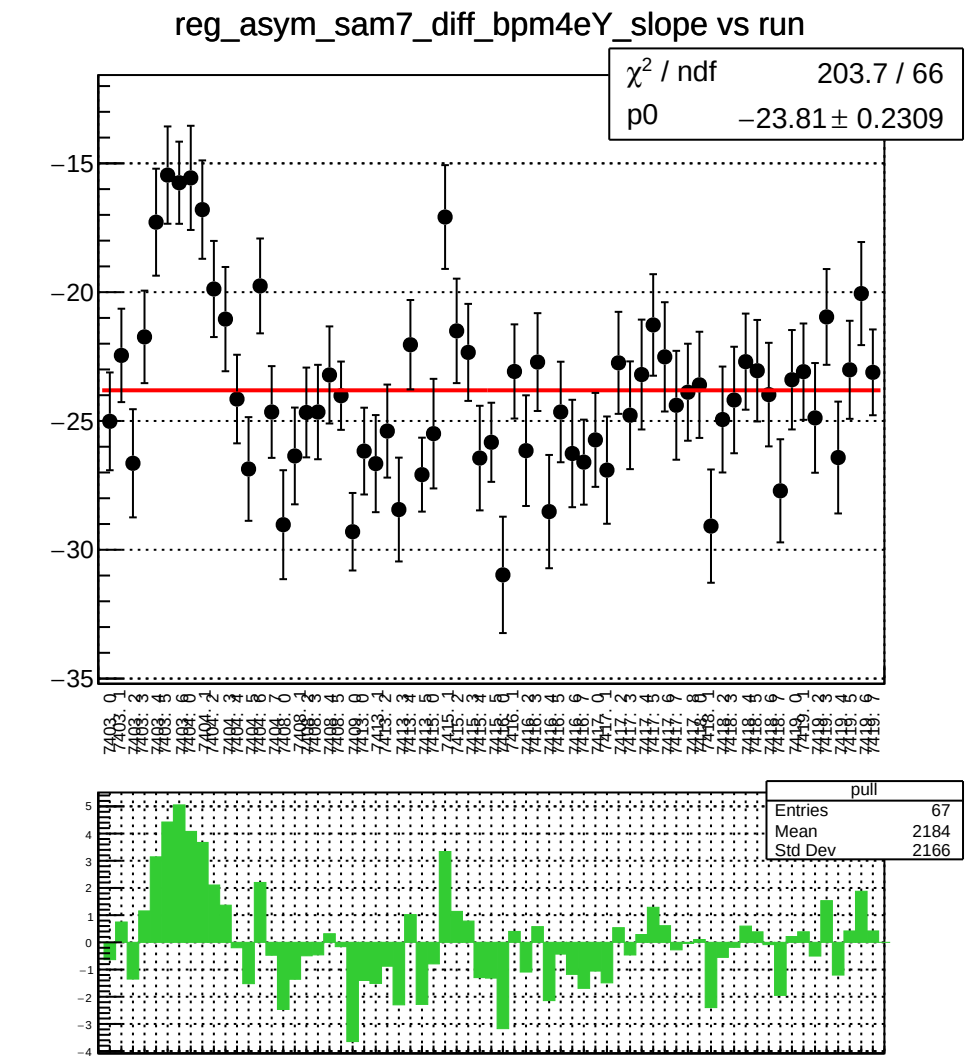

pull1D
Entries 67
Mean −0.12
Std Dev 2.613

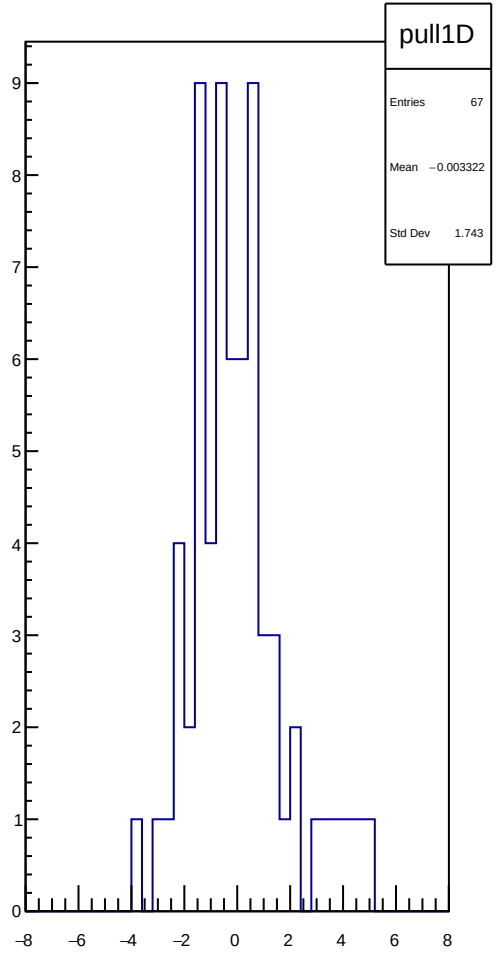

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 248.7 / 66
p0 18.15 ± 0.2182
pull
Entries 67
Mean 314.2
Std Dev 290.6

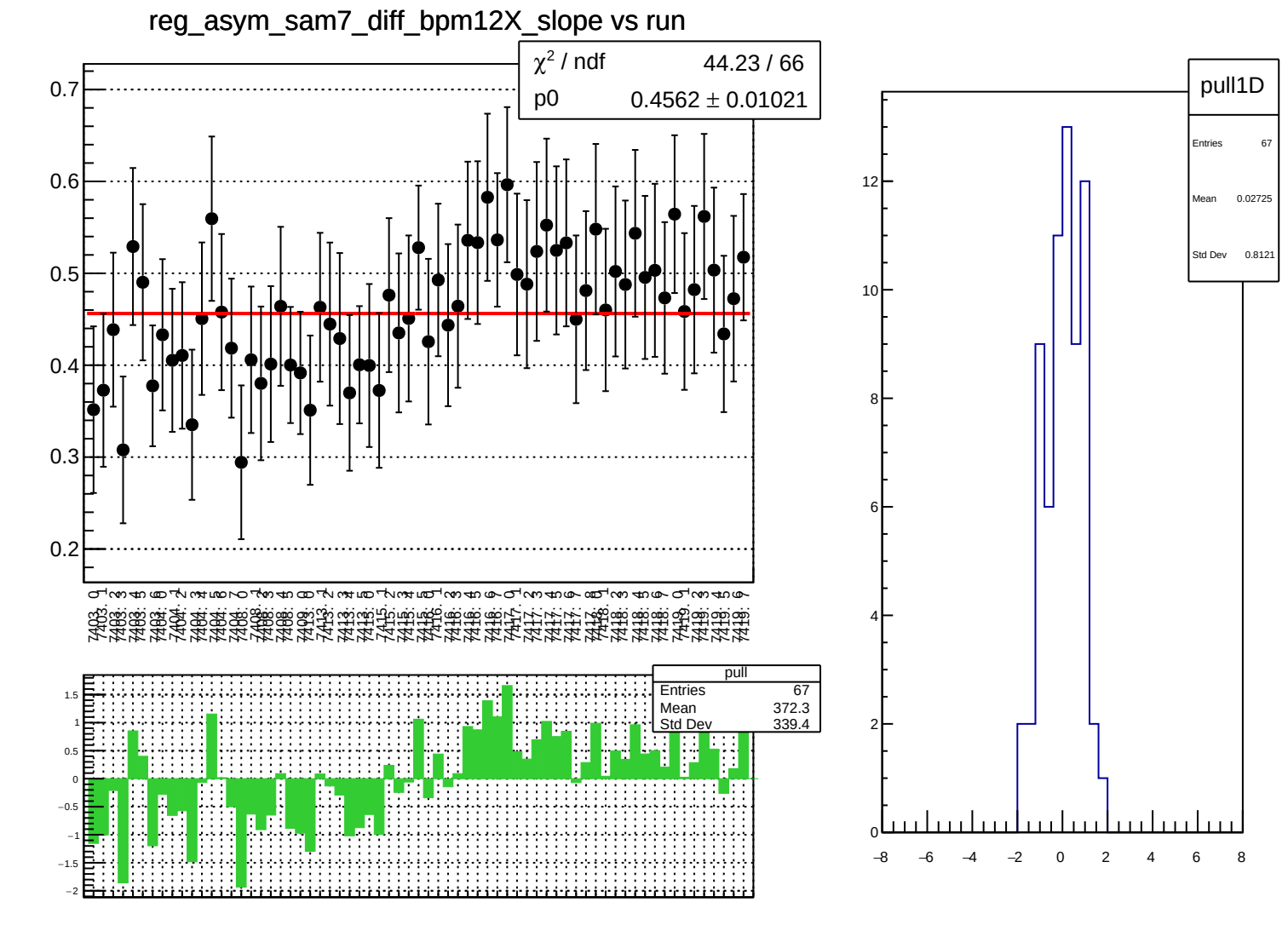

pull1D
Entries 67
Mean 0.03891
Std Dev 1.926

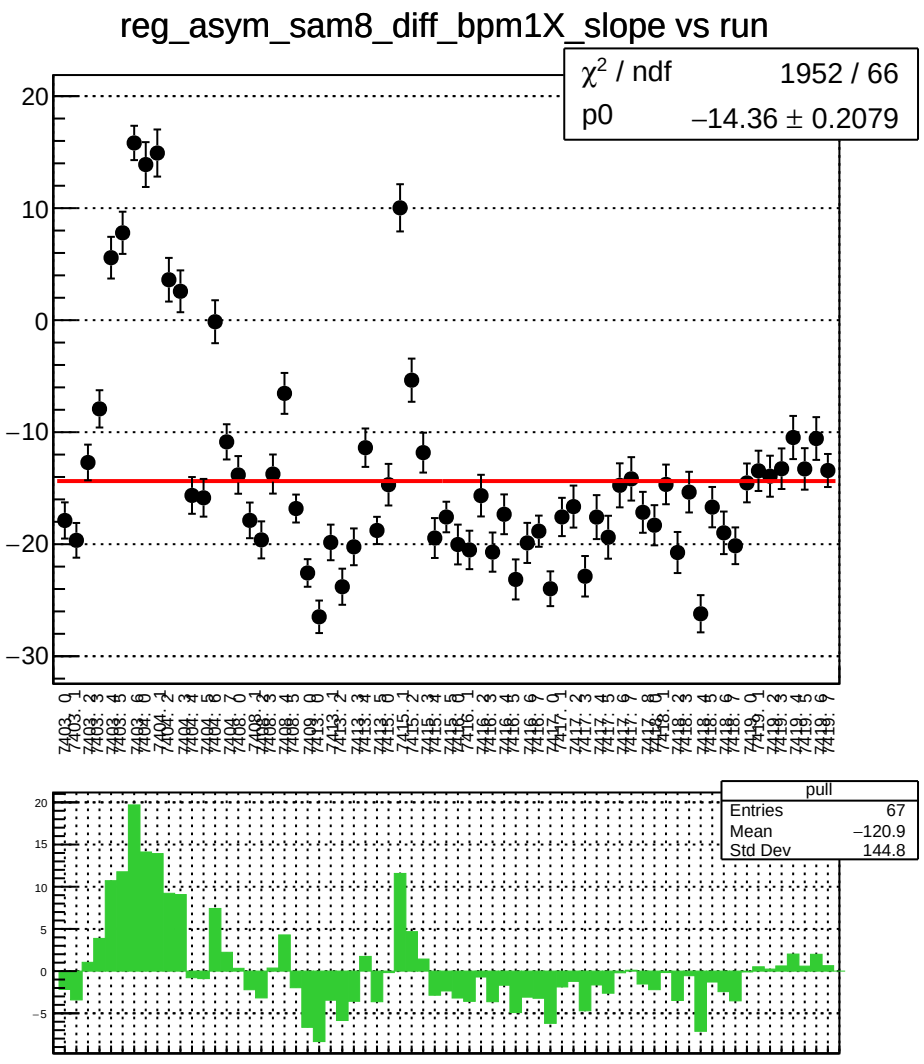

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 454.8 / 66
p0 −37.48 ± 0.2243
pull
Entries 67
Mean −14.95
Std Dev 10.72

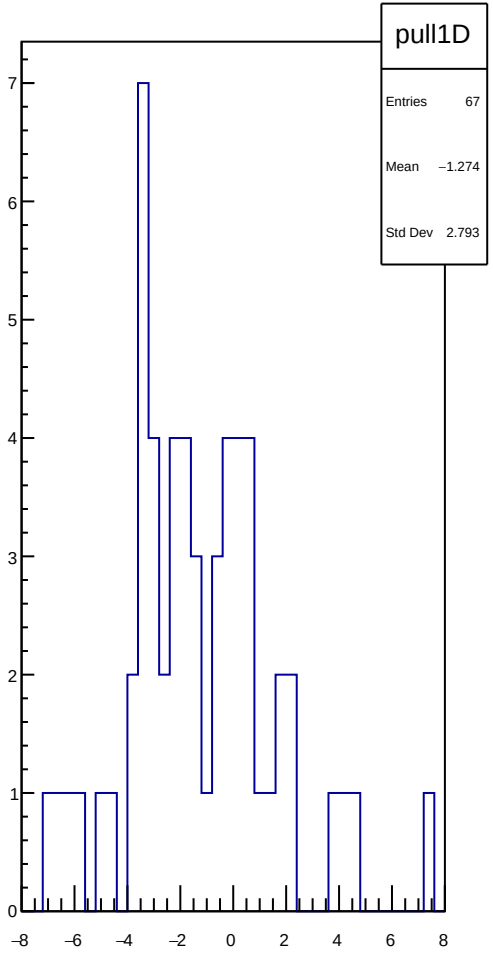

pull1D
Entries 67
Mean −0.04654
Std Dev 2.37

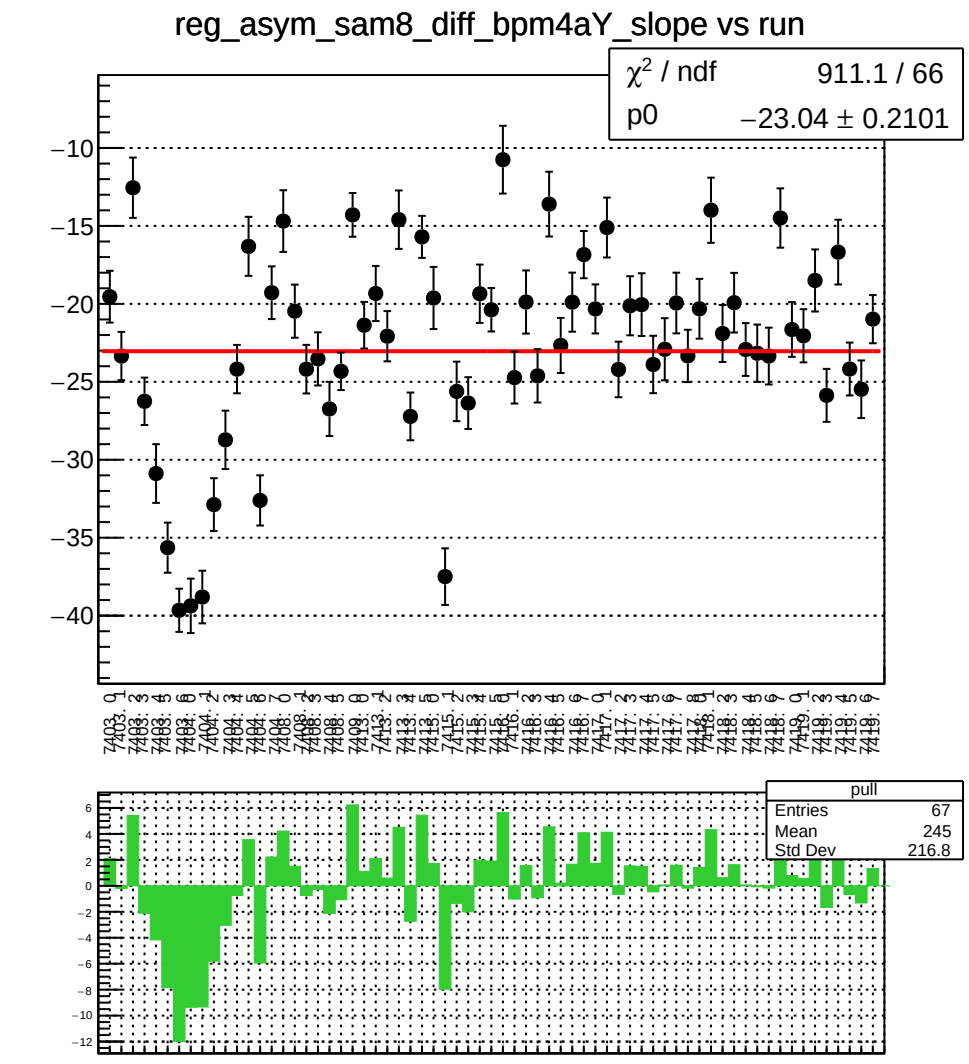

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 203.7 / 66
p0 −23.81 ± 0.2309
pull
Entries 67
Mean 2184
Std Dev 2166

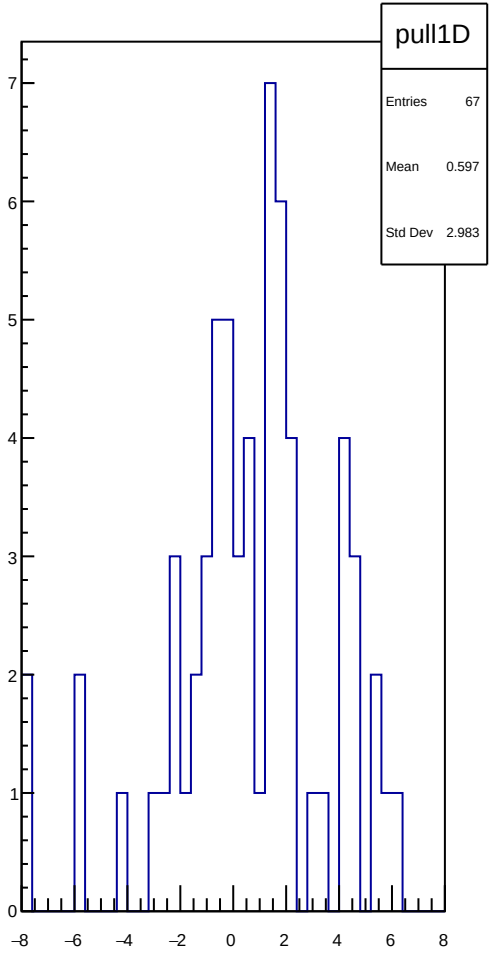

pull1D
Entries 67
Mean −0.003322
Std Dev 1.743

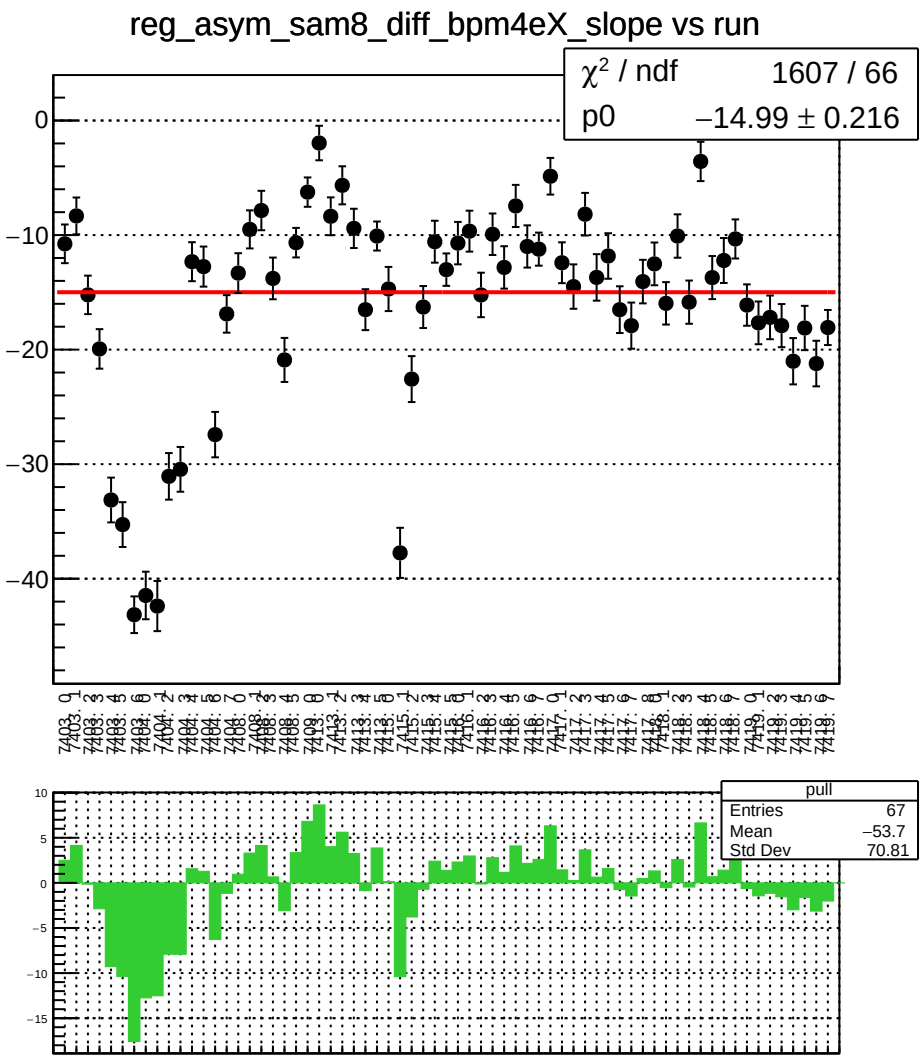

reg_asym_sam7_diff_bpm12X_slope vs run
$\chi^2$ / ndf 44.23 / 66
p0 0.4562 ± 0.01021
pull
Entries 67
Mean 372.3
Std Dev 339.4
pull1D
Entries 67
Mean 0.02725
Std Dev 0.8121

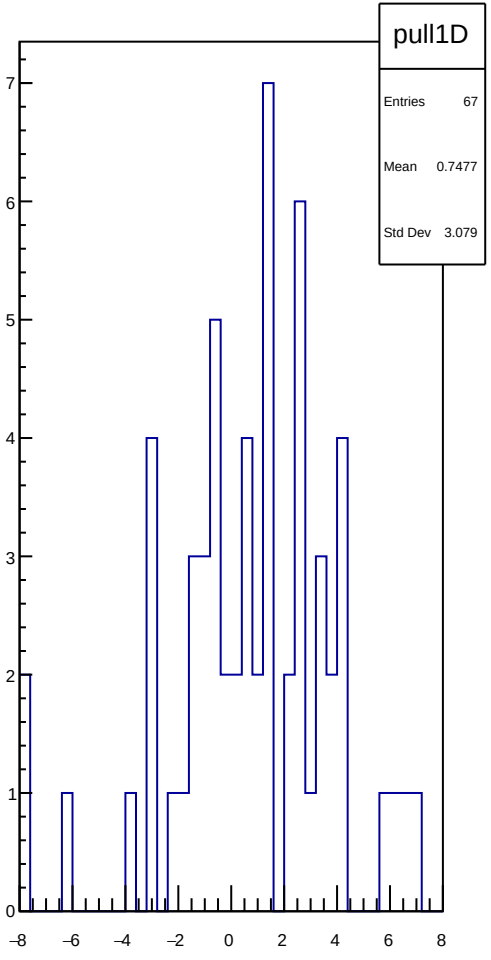

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 1952 / 66
p0 −14.36 ± 0.2079
pull
Entries 67
Mean −120.9
Std Dev 144.8

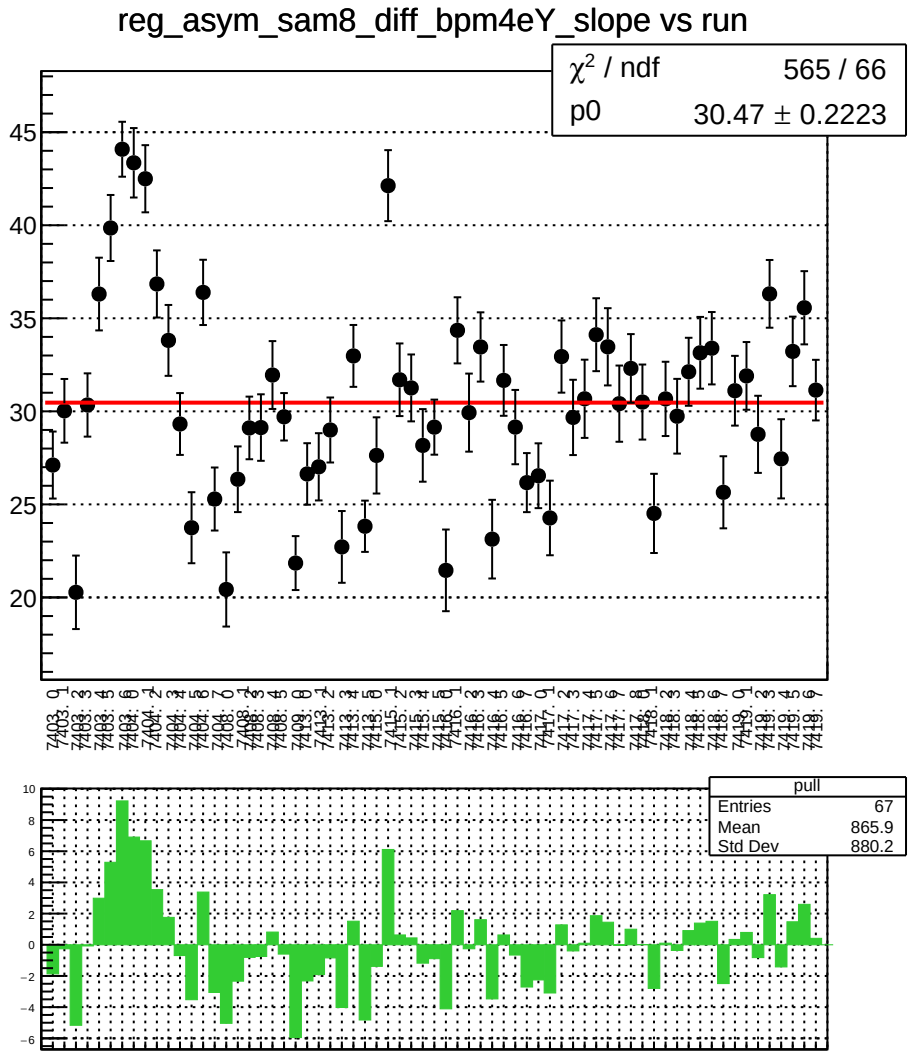

pull1D
Entries 67
Mean −1.274
Std Dev 2.793

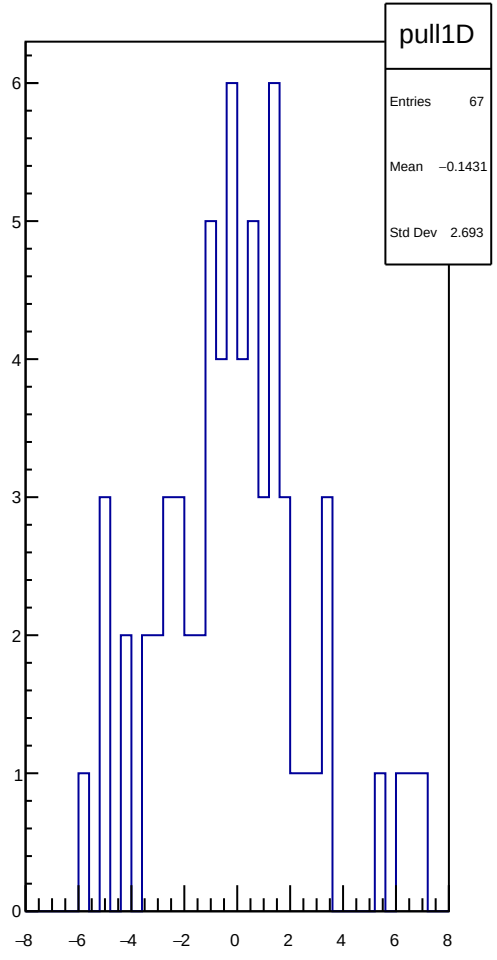

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 911.1 / 66
p0 −23.04 ± 0.2101
pull
Entries 67
Mean 245
Std Dev 216.8

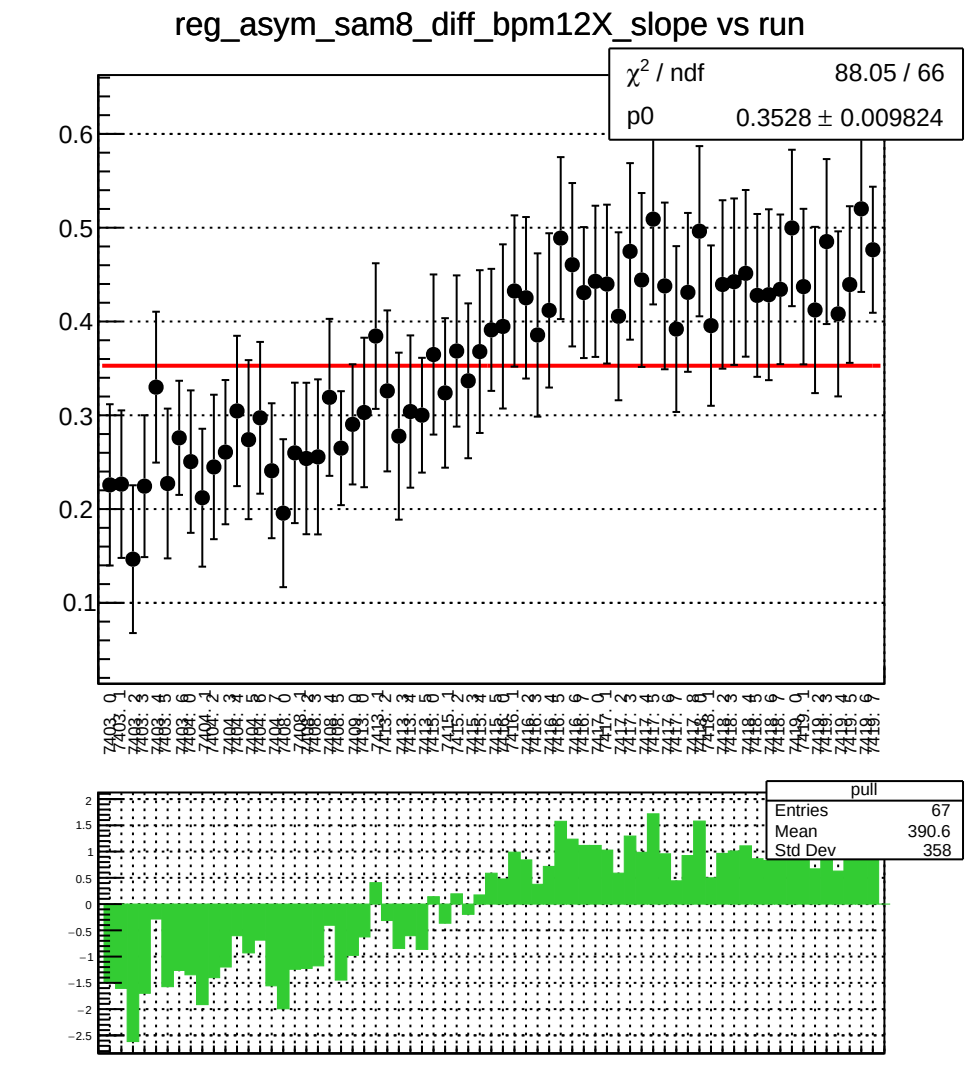

pull1D
Entries 67
Mean 0.597
Std Dev 2.983

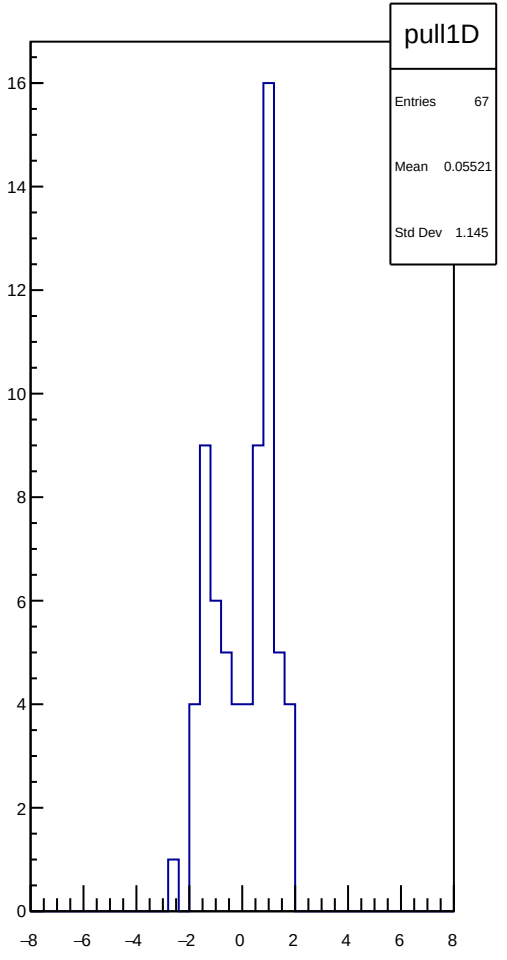

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 1607 / 66
p0 −14.99 ± 0.216
pull
Entries 67
Mean −53.7
Std Dev 70.81

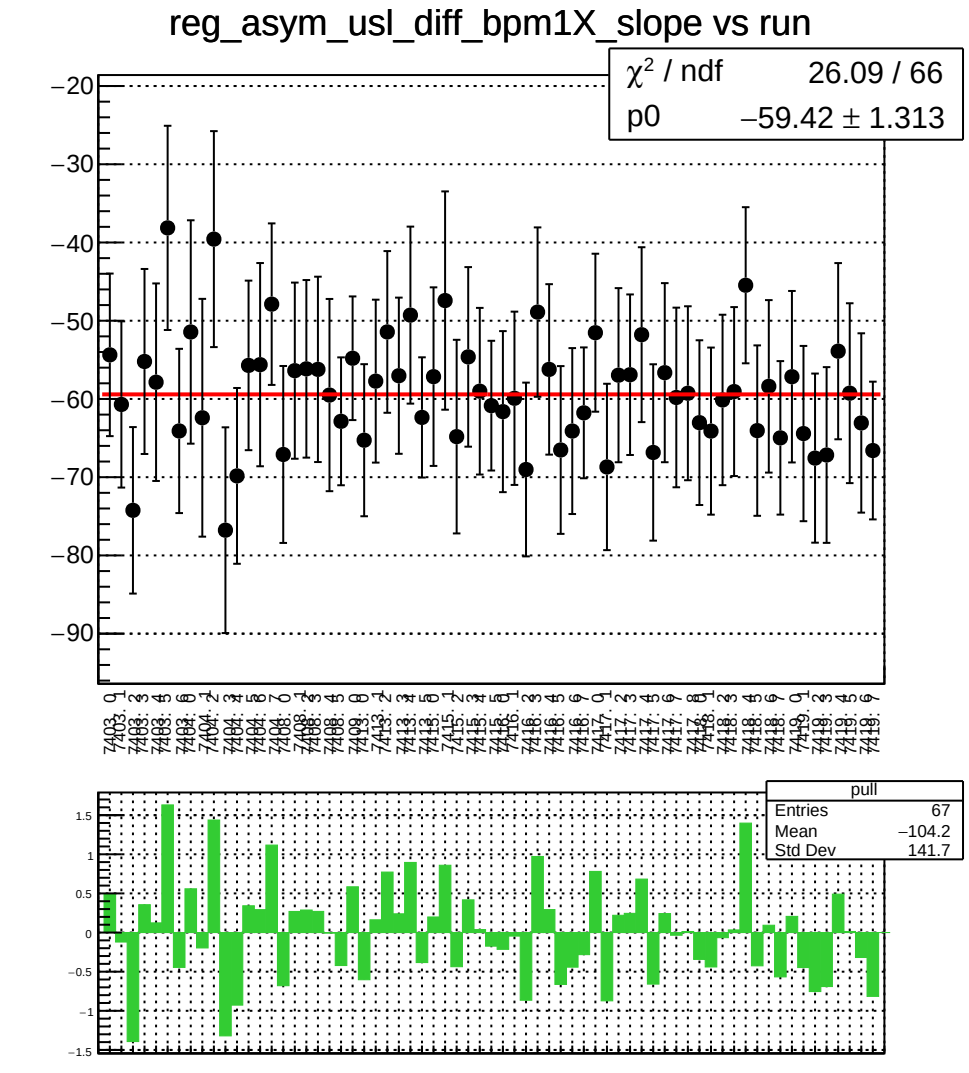

pull1D
Entries 67
Mean 0.7477
Std Dev 3.079

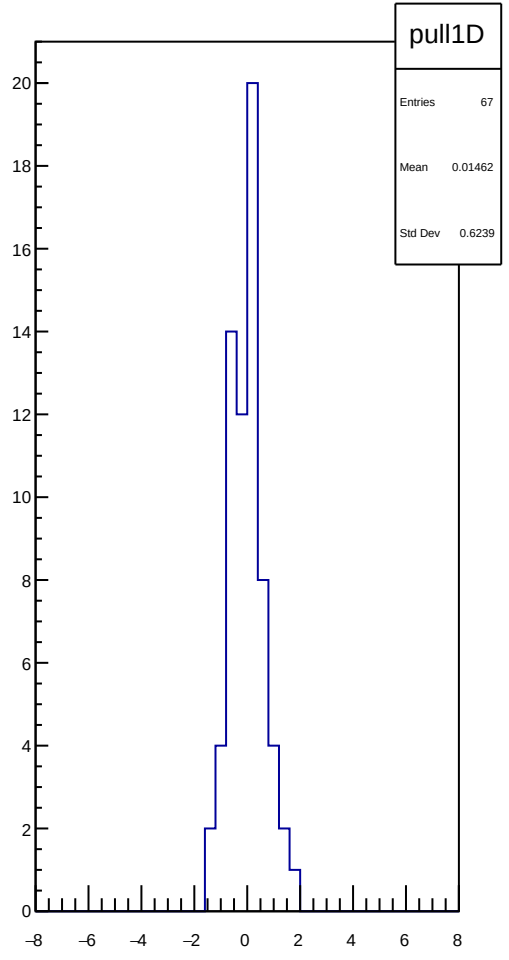

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 565 / 66
p0 30.47 ± 0.2223
pull
Entries 67
Mean 865.9
Std Dev 880.2

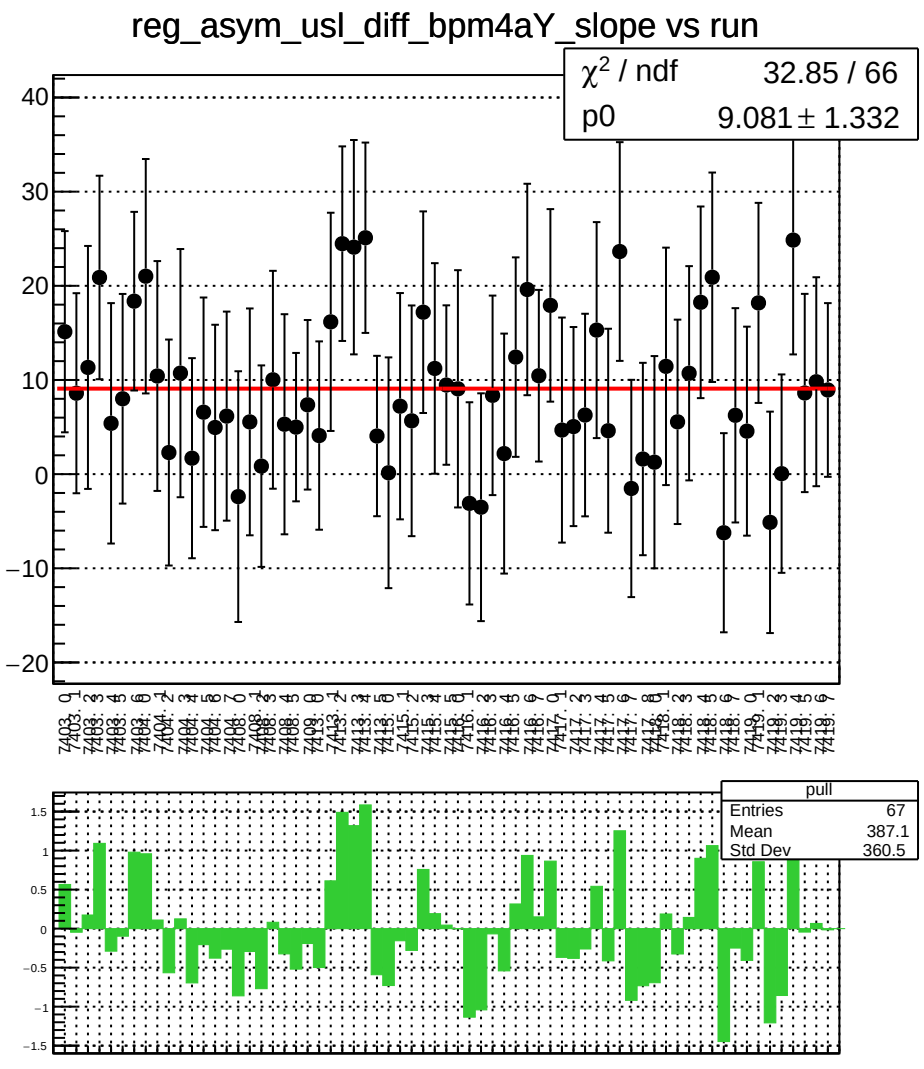

pull1D
Entries 67
Mean −0.1431
Std Dev 2.693

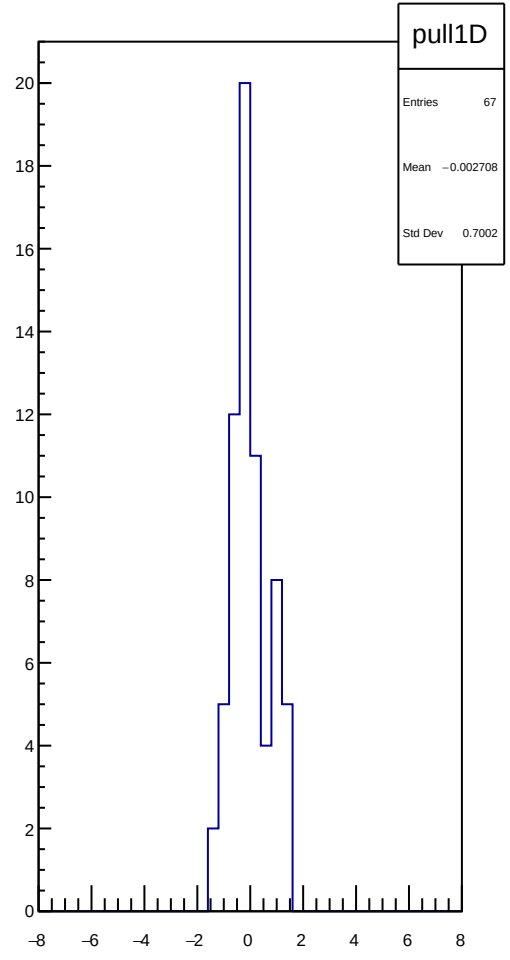

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 88.05 / 66
p0 0.3528 ± 0.009824
0.6
0.5
0.4
0.3
0.2
0.1
pull
Entries 67
Mean 390.6
Std Dev 358
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

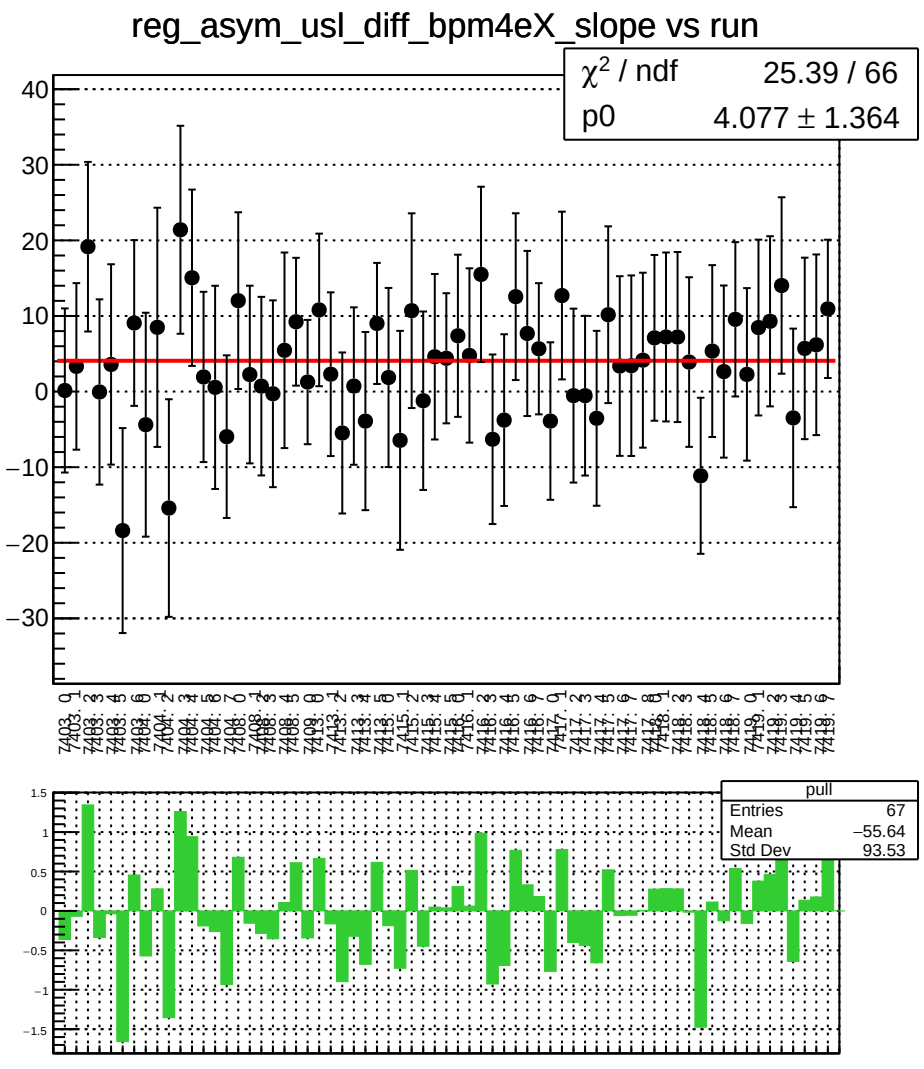

pull1D
Entries 67
Mean 0.05521
Std Dev 1.145
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

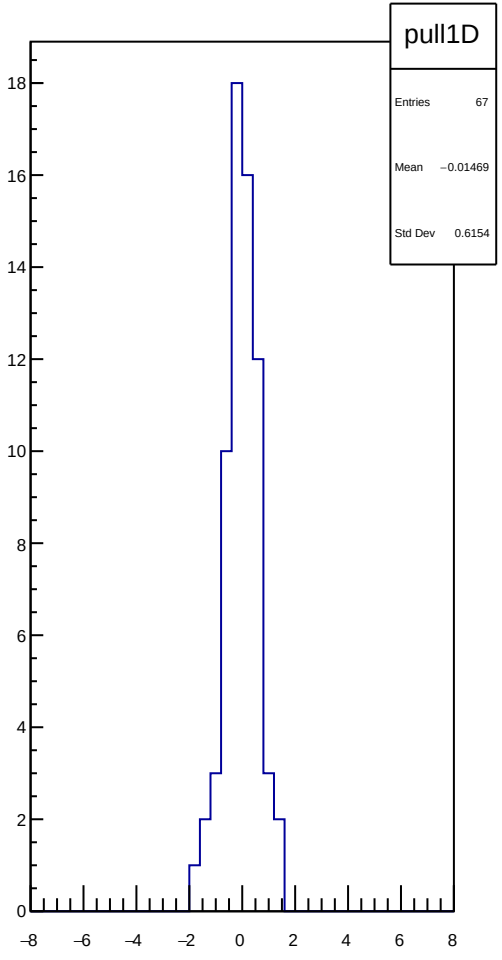

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 26.09 / 66
p0 −59.42 ± 1.313
pull
Entries 67
Mean −104.2
Std Dev 141.7

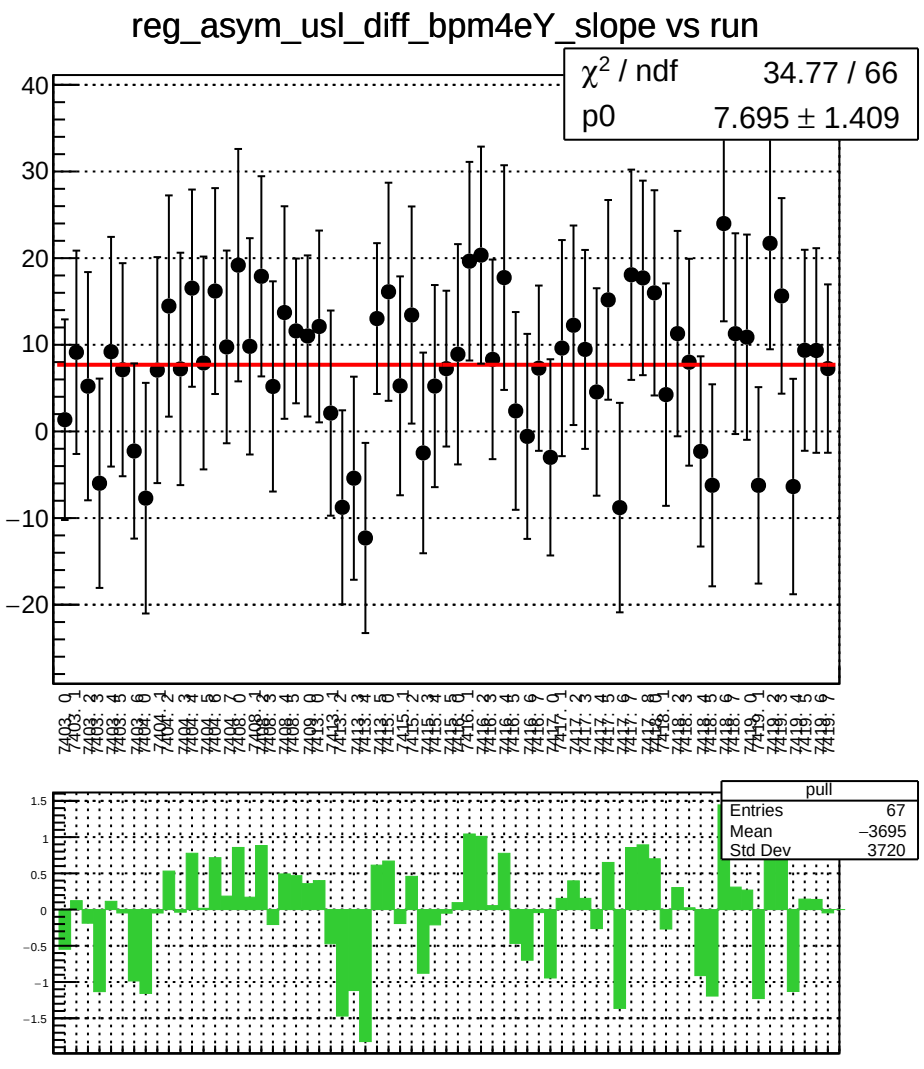

pull1D
Entries 67
Mean 0.01462
Std Dev 0.6239

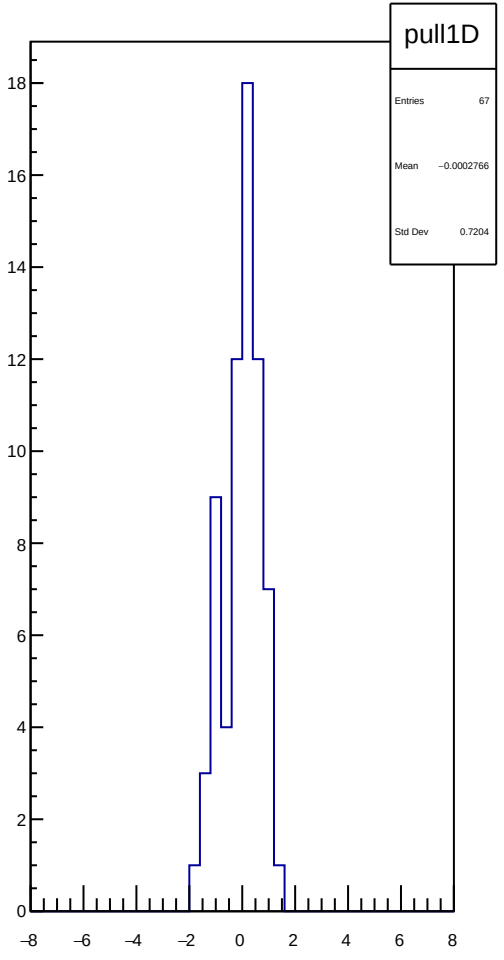

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 32.85 / 66
p0 9.081 ± 1.332
pull
Entries 67
Mean 387.1
Std Dev 360.5

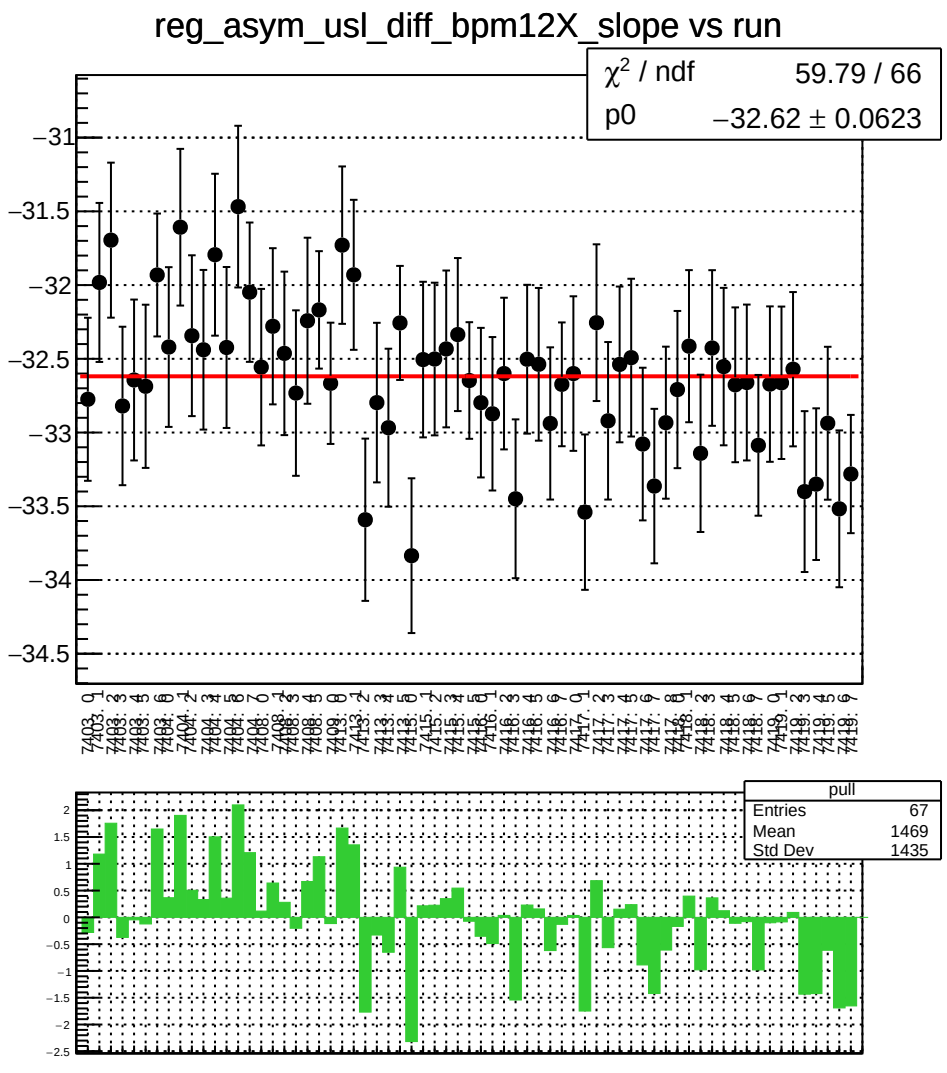

pull1D
Entries 67
Mean −0.002708
Std Dev 0.7002

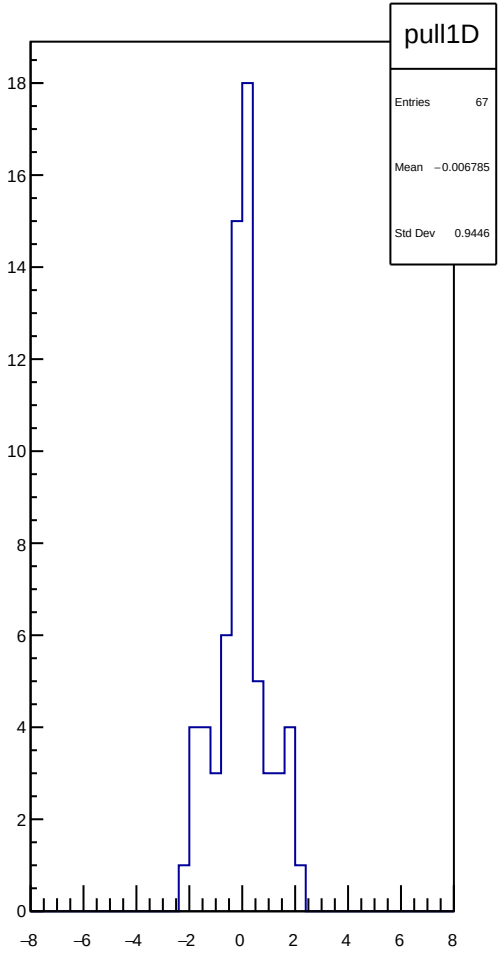

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 25.39 / 66
p0 4.077 ± 1.364
pull
Entries 67
Mean −55.64
Std Dev 93.53

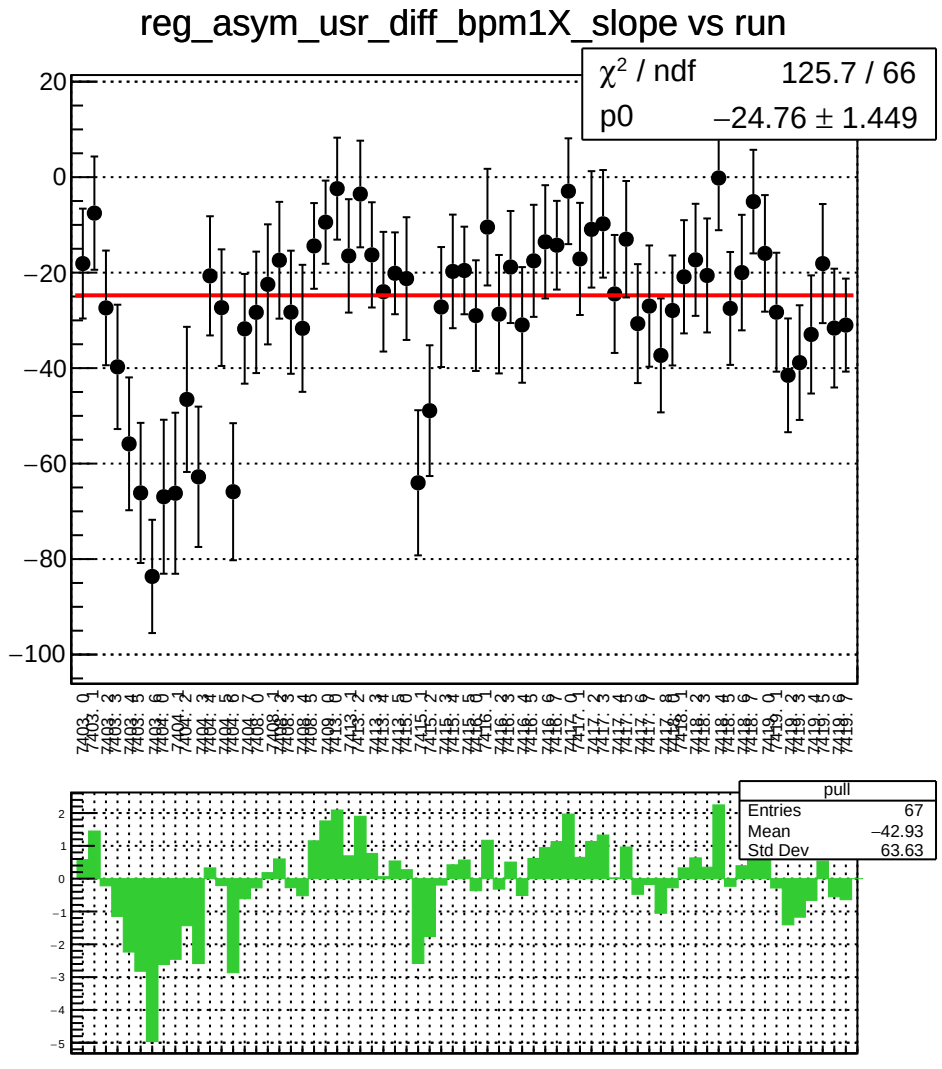

pull1D
Entries 67
Mean −0.01469
Std Dev 0.6154

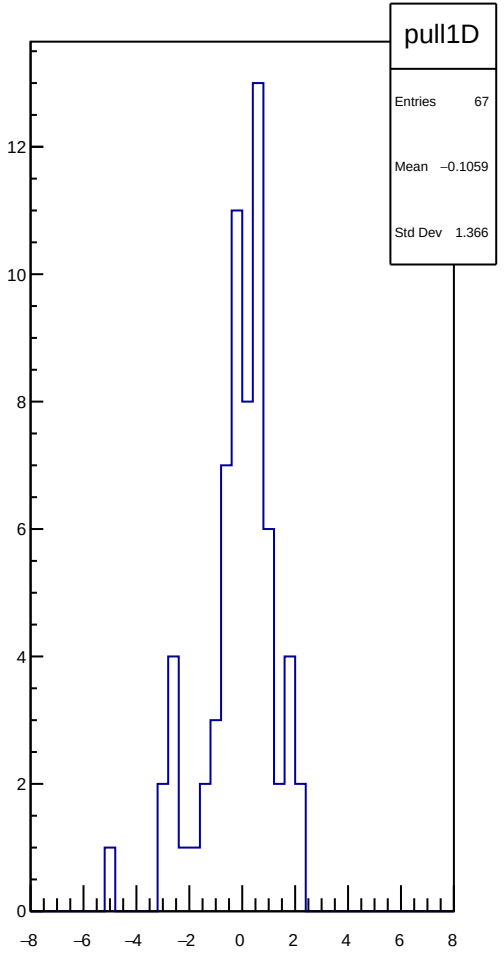

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 34.77 / 66
p0 7.695 ± 1.409
pull
Entries 67
Mean −3695
Std Dev 3720

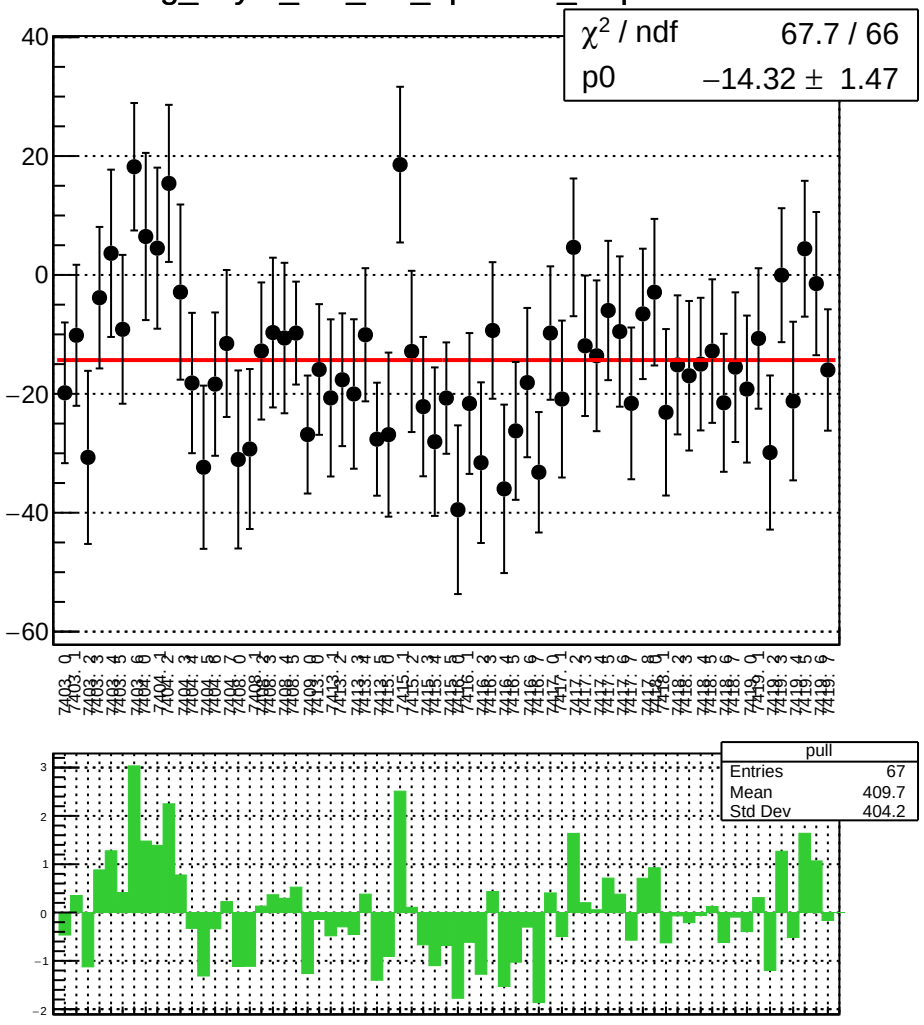

pull1D
Entries 67
Mean −0.0002766
Std Dev 0.7204

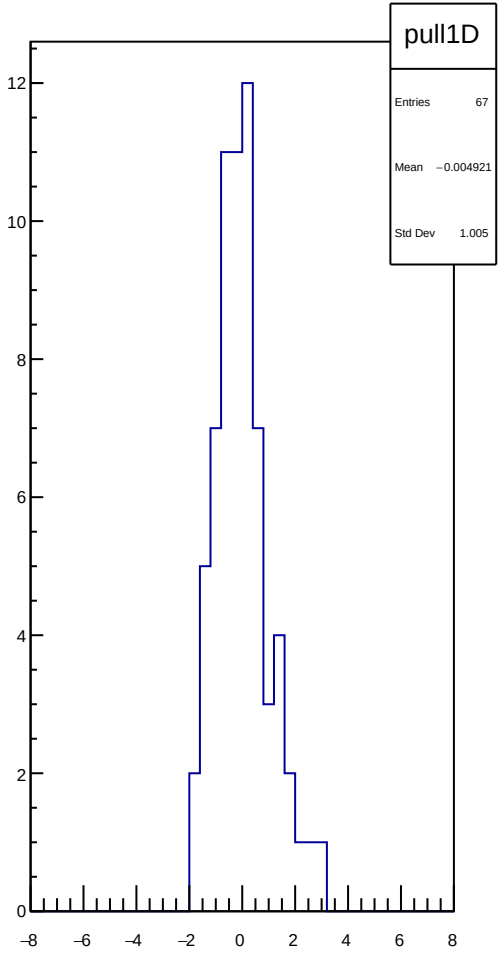

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 59.79 / 66
p0 −32.62 ± 0.0623
pull
Entries 67
Mean 1469
Std Dev 1435

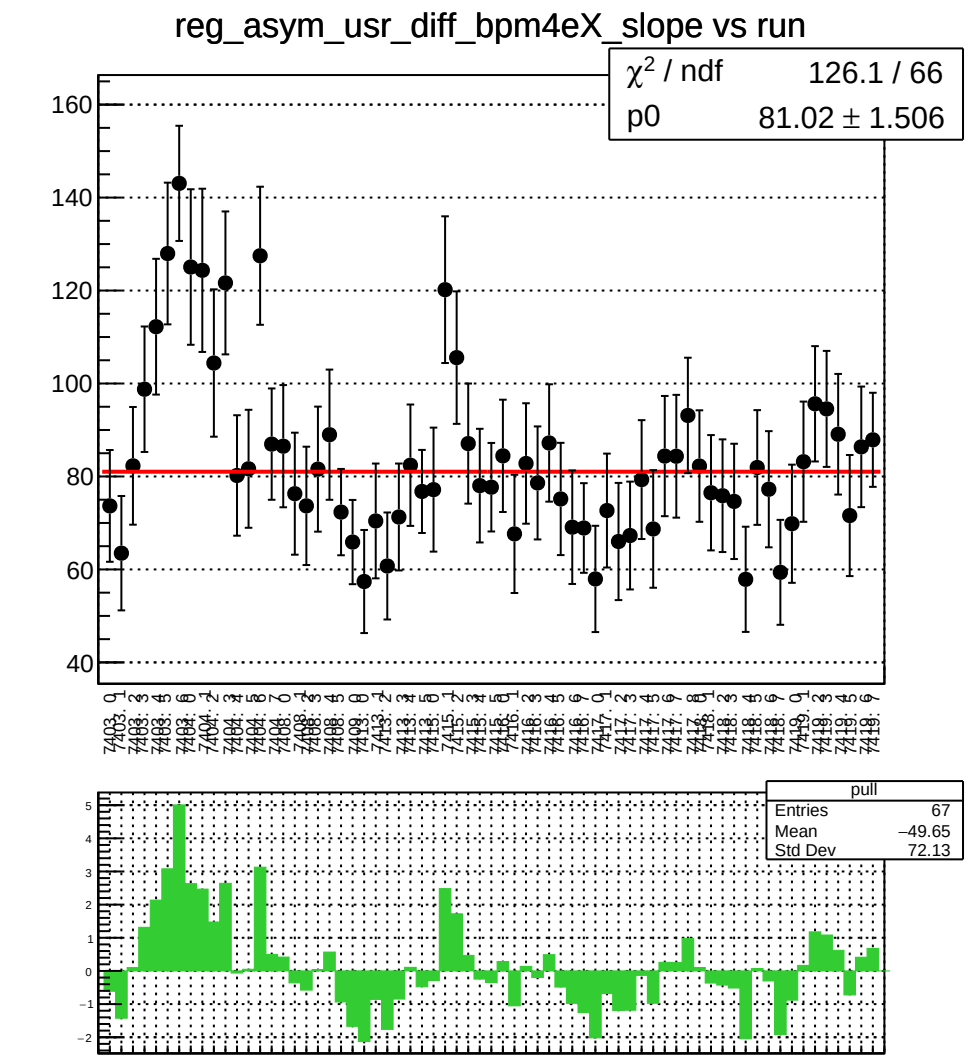

pull1D
Entries 67
Mean −0.006785
Std Dev 0.9446

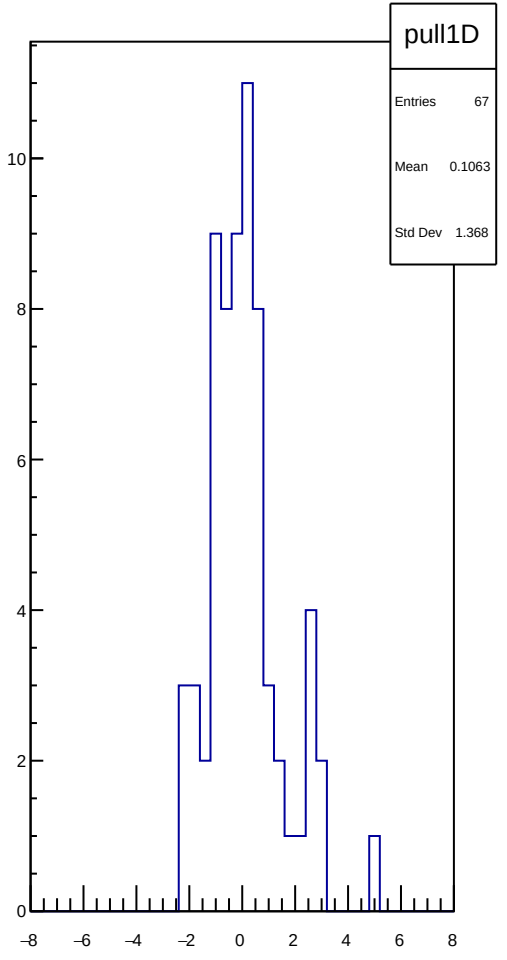

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 125.7 / 66
p0 −24.76 ± 1.449
pull
Entries 67
Mean −42.93
Std Dev 63.63

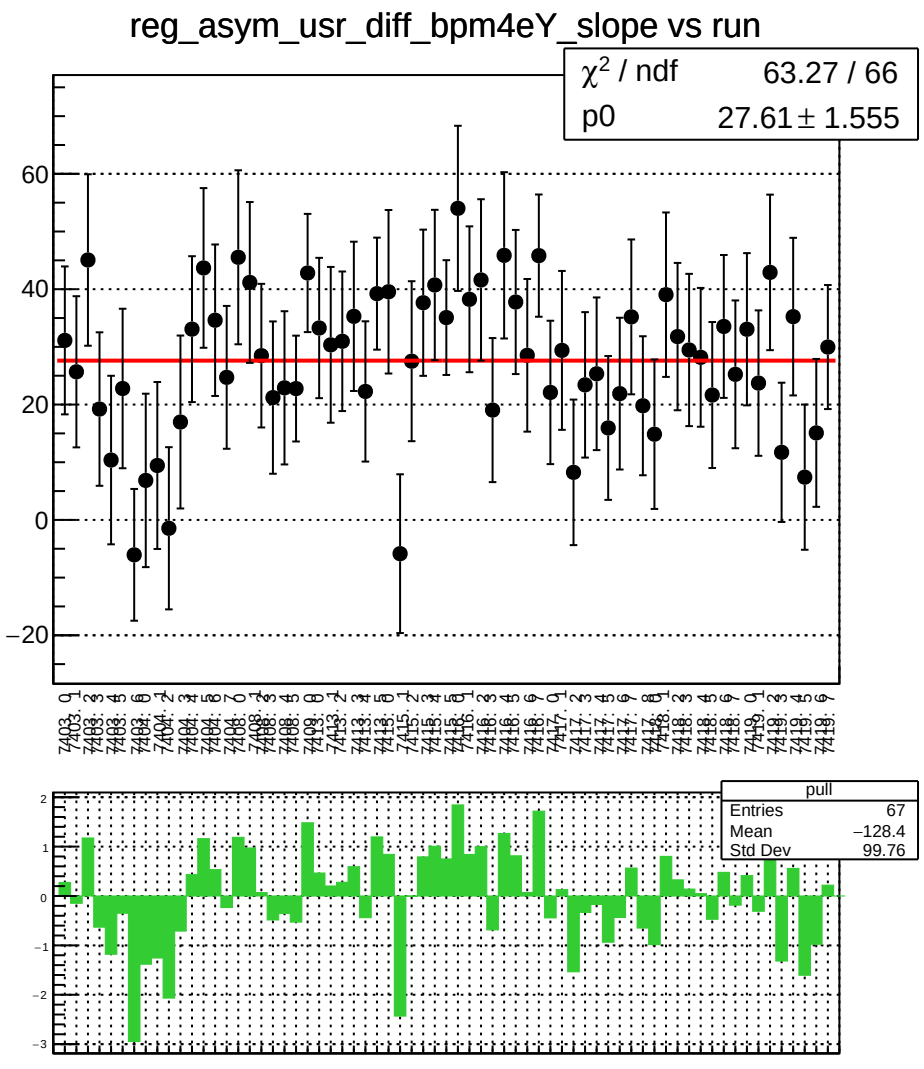

pull1D
Entries 67
Mean −0.1059
Std Dev 1.366

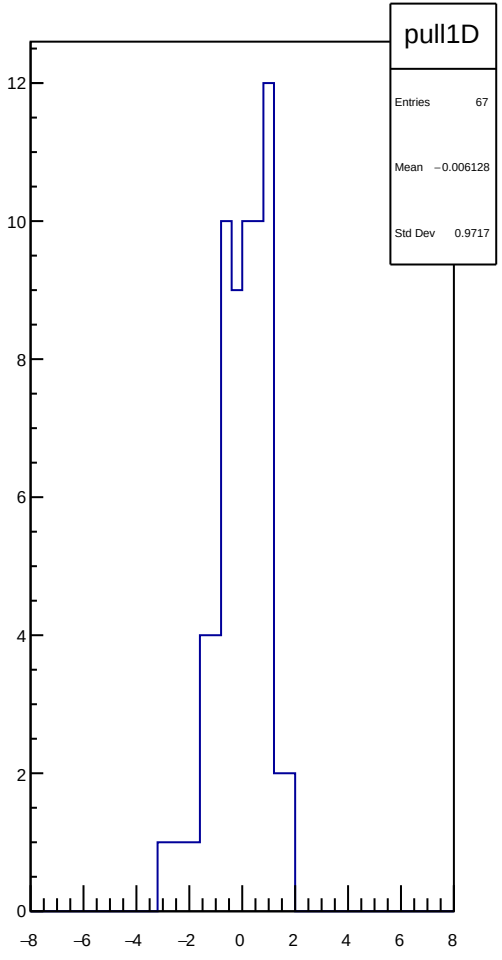

reg_asym_usr_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 67.7 / 66
p0 −14.32 ± 1.47
pull
Entries 67
Mean 409.7
Std Dev 404.2

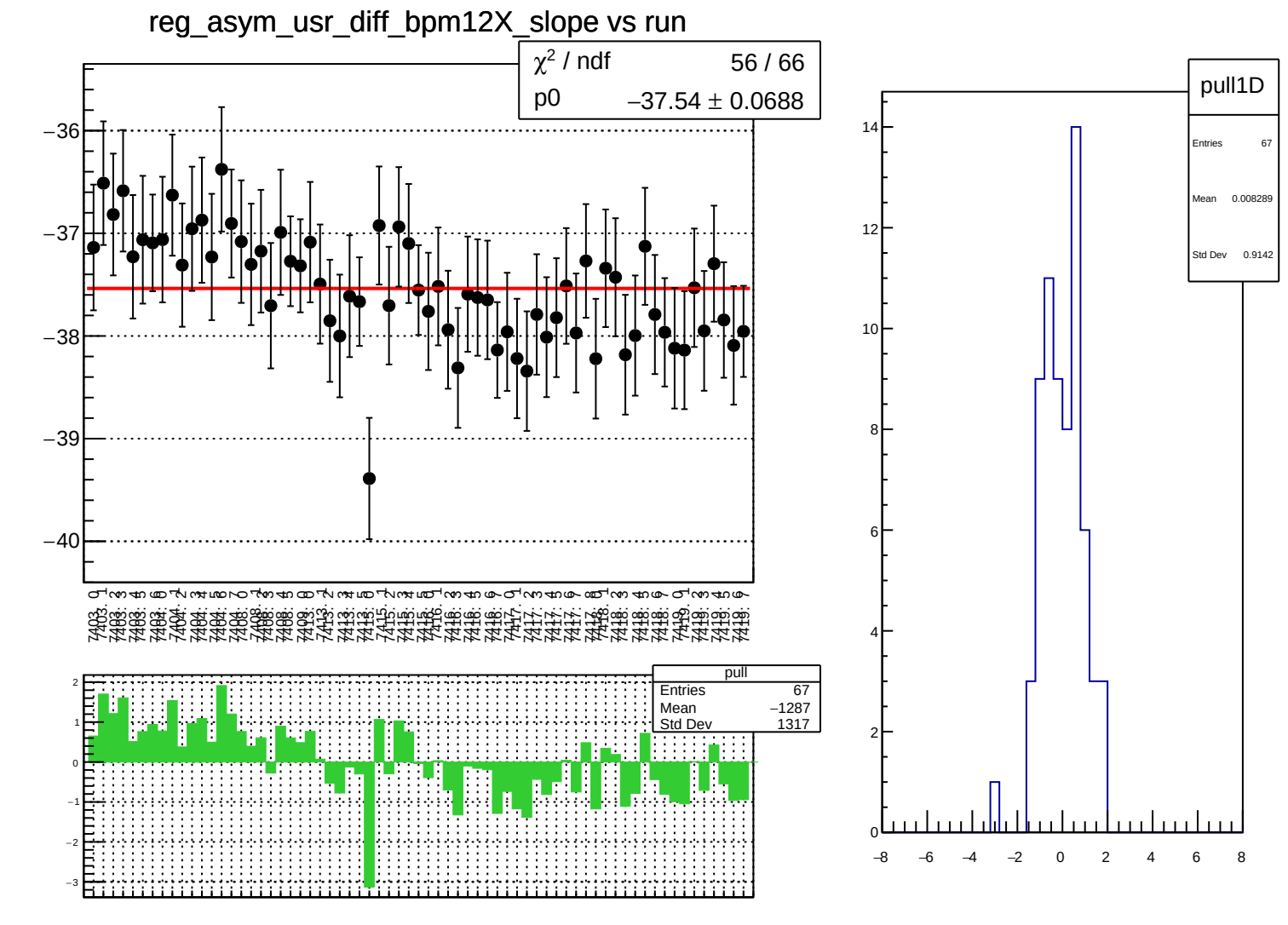

pull1D
Entries 67
Mean −0.004921
Std Dev 1.005

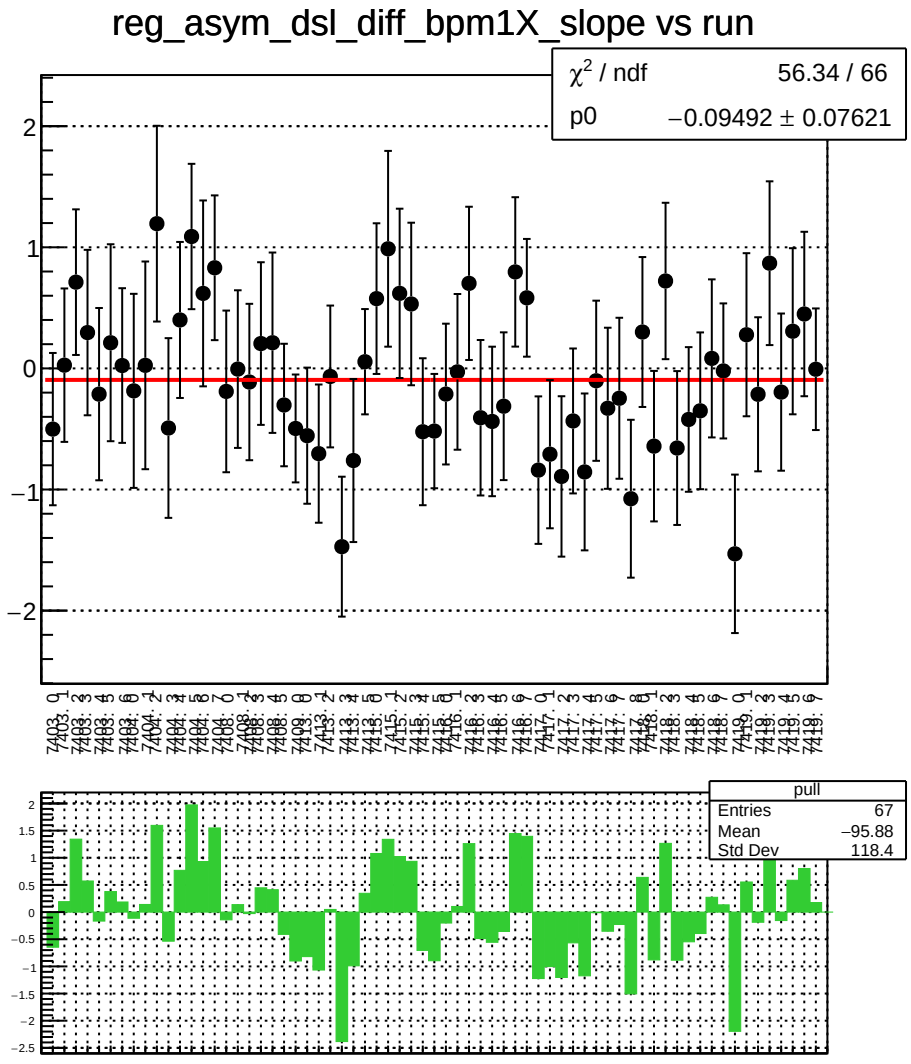

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 126.1 / 66
p0 81.02 ± 1.506
160
140
120
100
80
60
40
pull
Entries 67
Mean −49.65
Std Dev 72.13
5
4
3
2
1
0
−1
−2

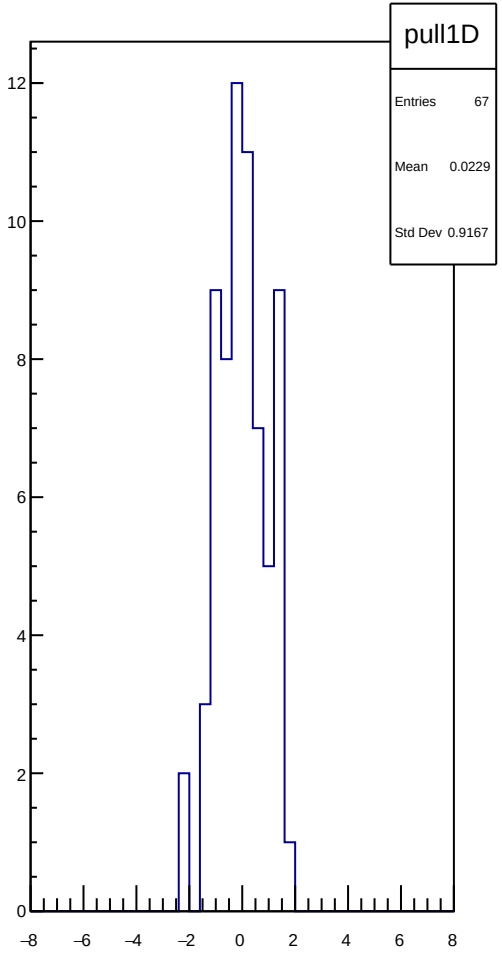

pull1D
Entries 67
Mean 0.1063
Std Dev 1.368
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

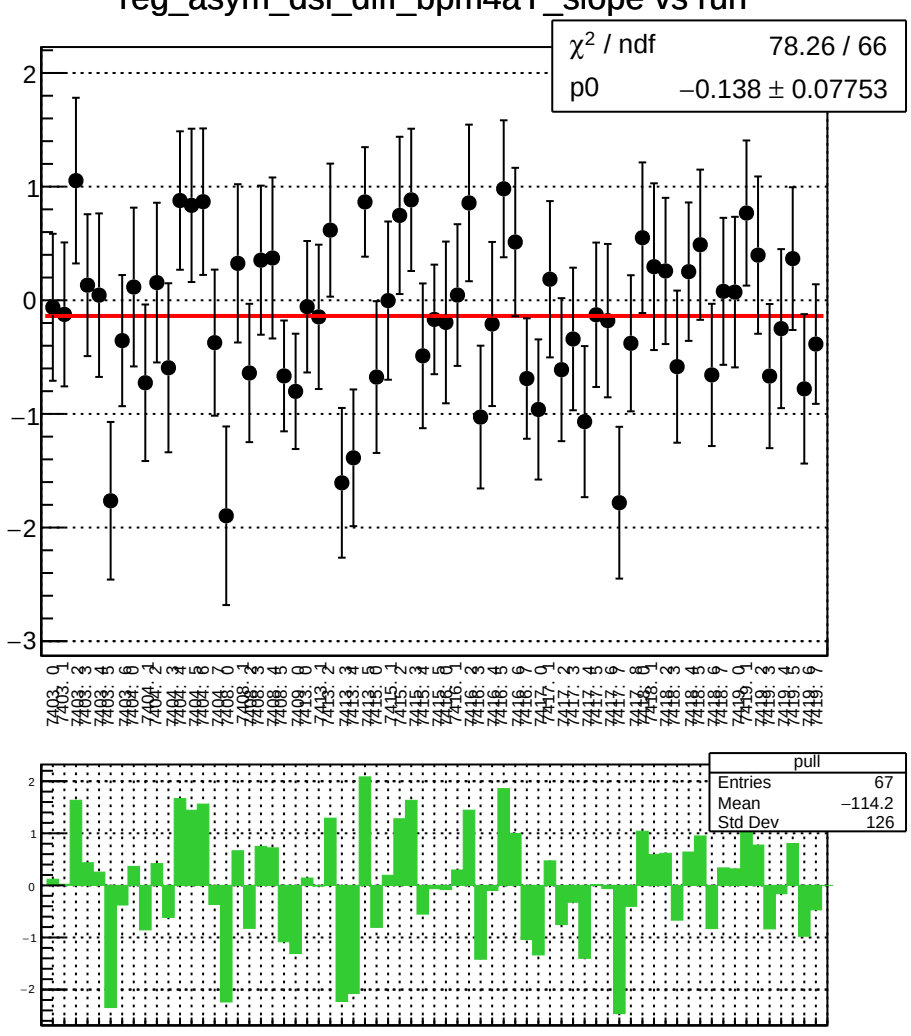

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 63.27 / 66
p0 27.61 ± 1.555
pull
Entries 67
Mean −128.4
Std Dev 99.76

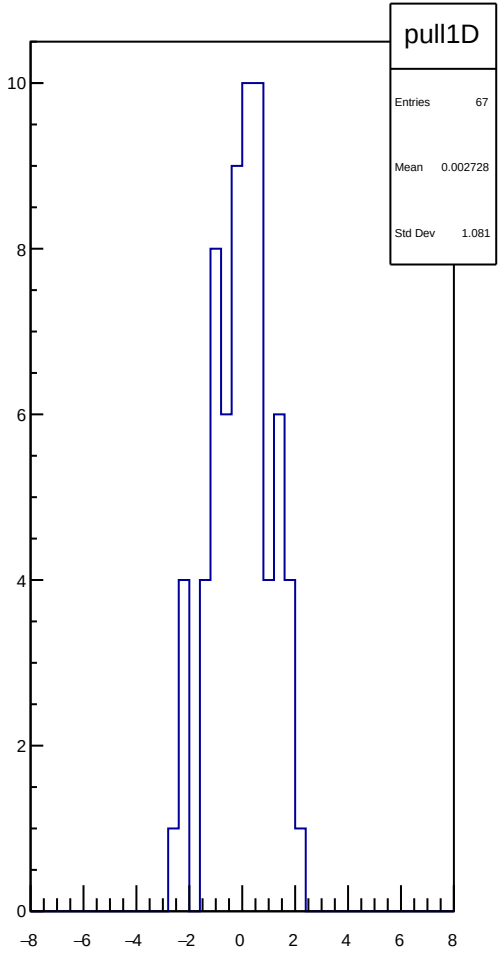

pull1D
Entries 67
Mean −0.006128
Std Dev 0.9717

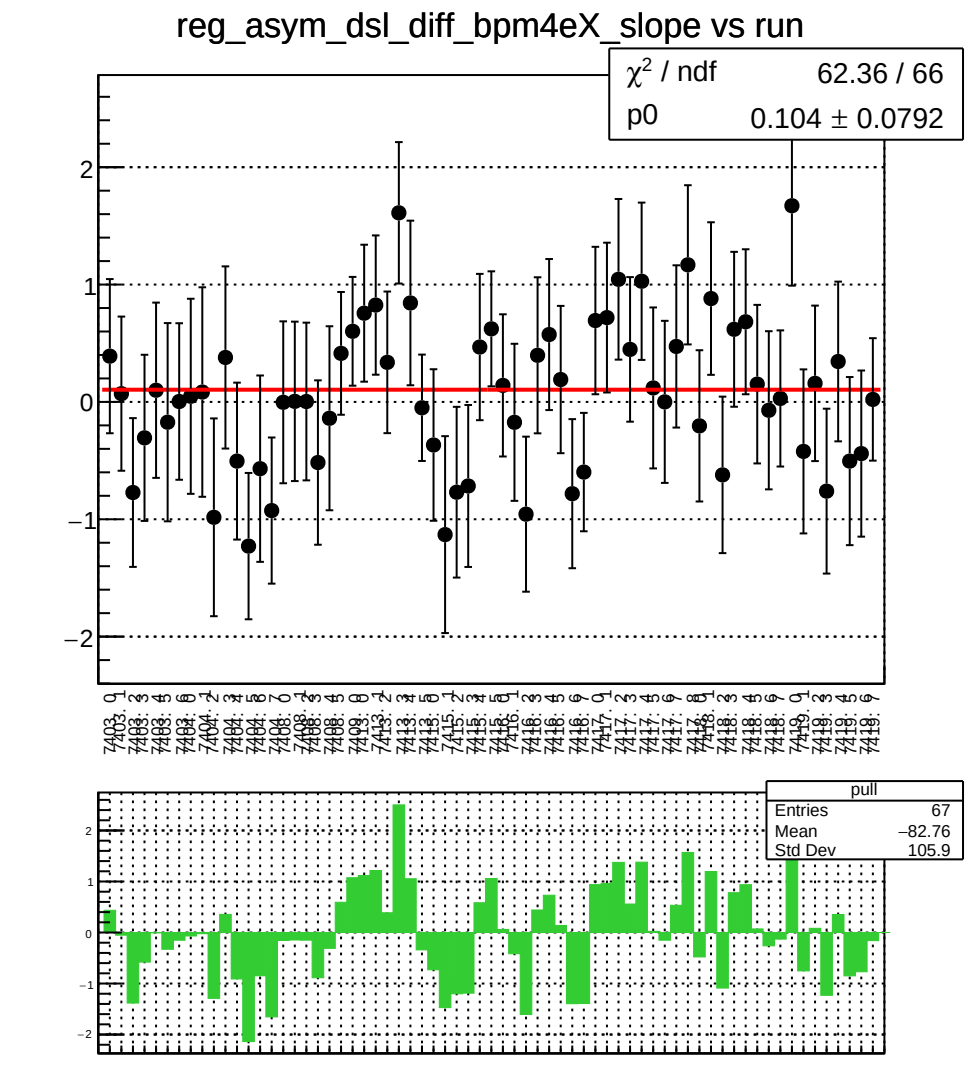

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 56 / 66
p0 −37.54 ± 0.0688
pull
Entries 67
Mean −1287
Std Dev 1317
pull1D
Entries 67
Mean 0.008289
Std Dev 0.9142

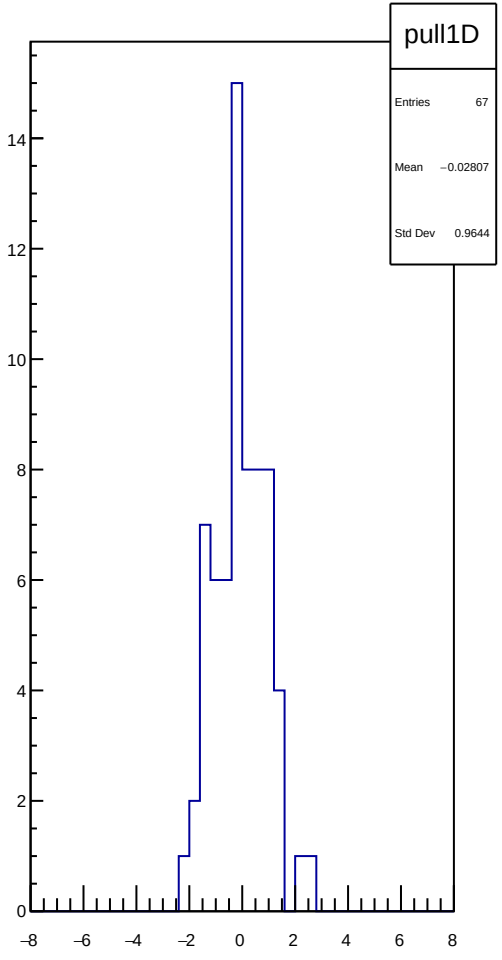

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 56.34 / 66
p0 −0.09492 ± 0.07621
pull
Entries 67
Mean −95.88
Std Dev 118.4

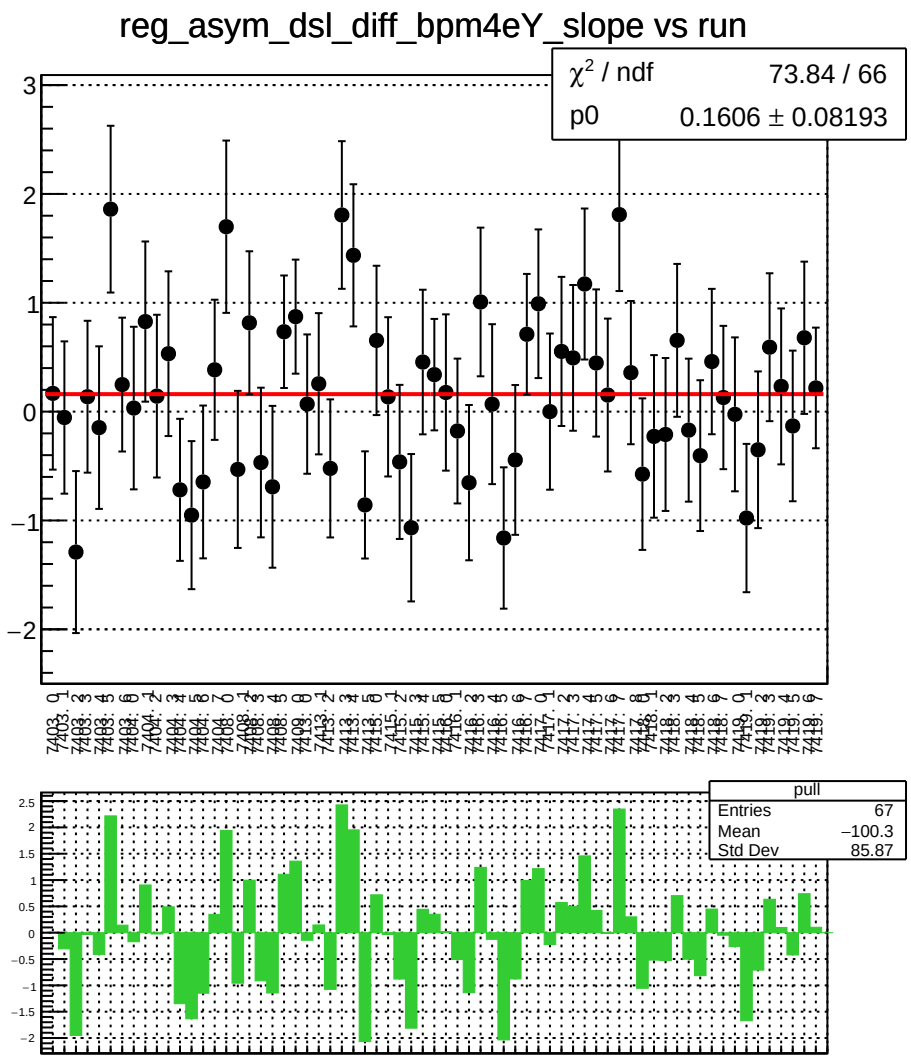

pull1D
Entries 67
Mean 0.0229
Std Dev 0.9167

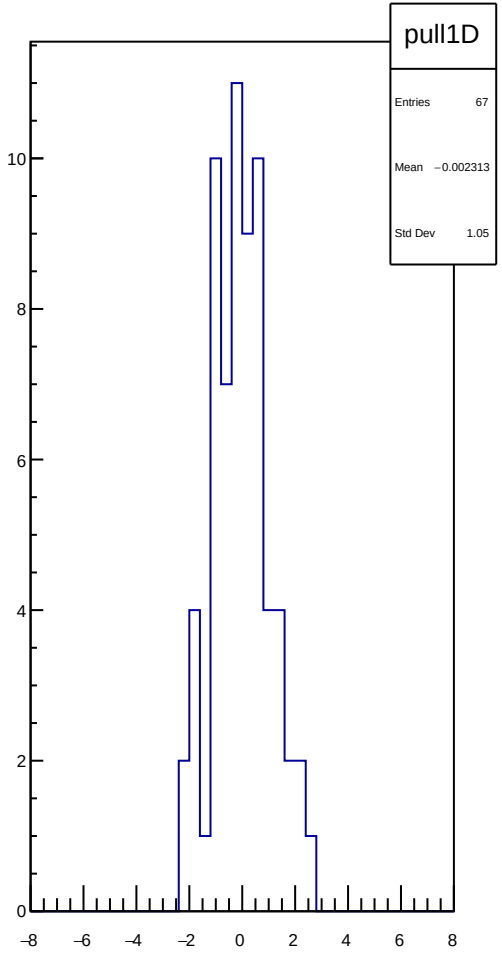

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 78.26 / 66
p0 −0.138 ± 0.07753
pull
Entries 67
Mean −114.2
Std Dev 126

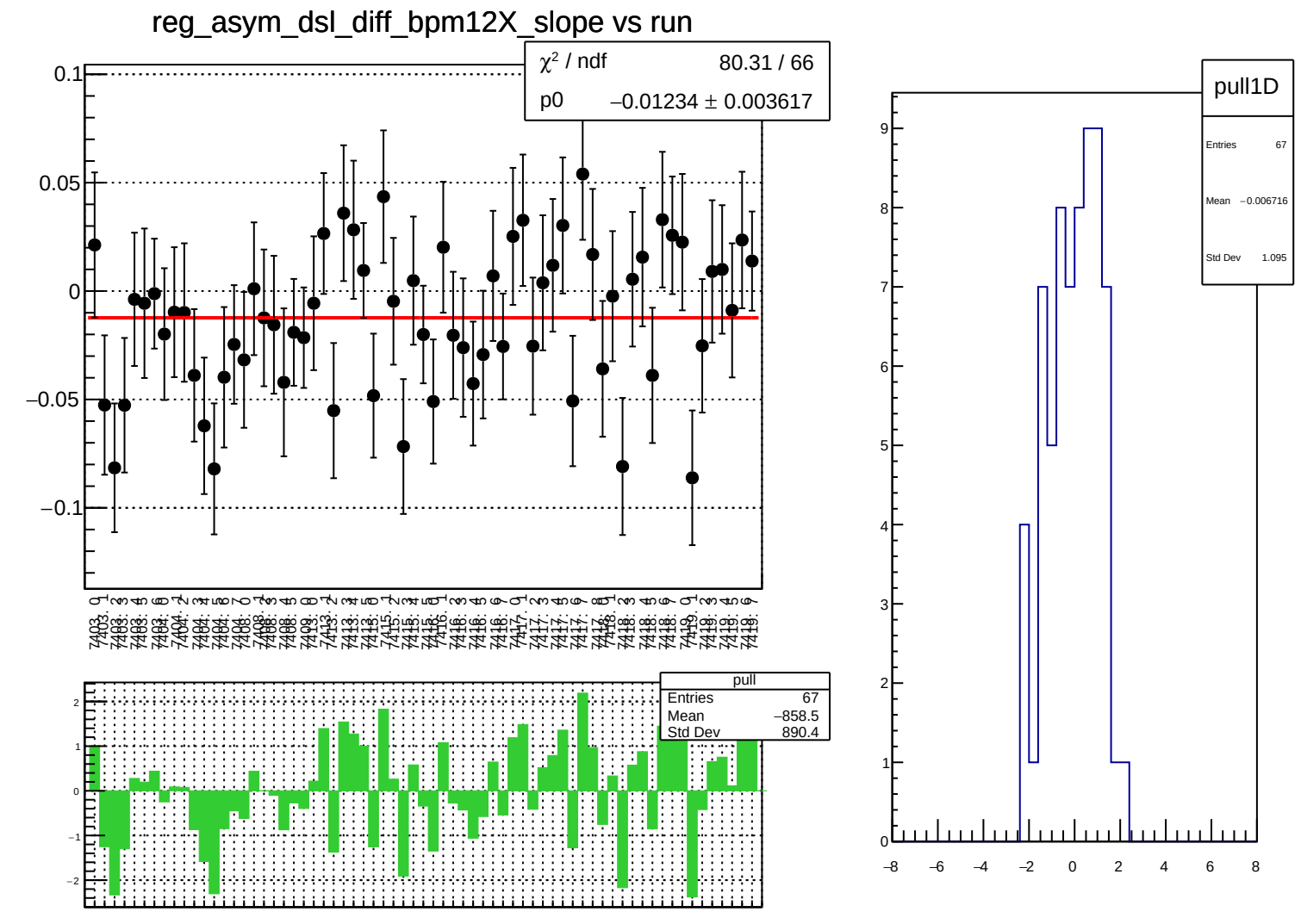

pull1D
Entries 67
Mean 0.002728
Std Dev 1.081

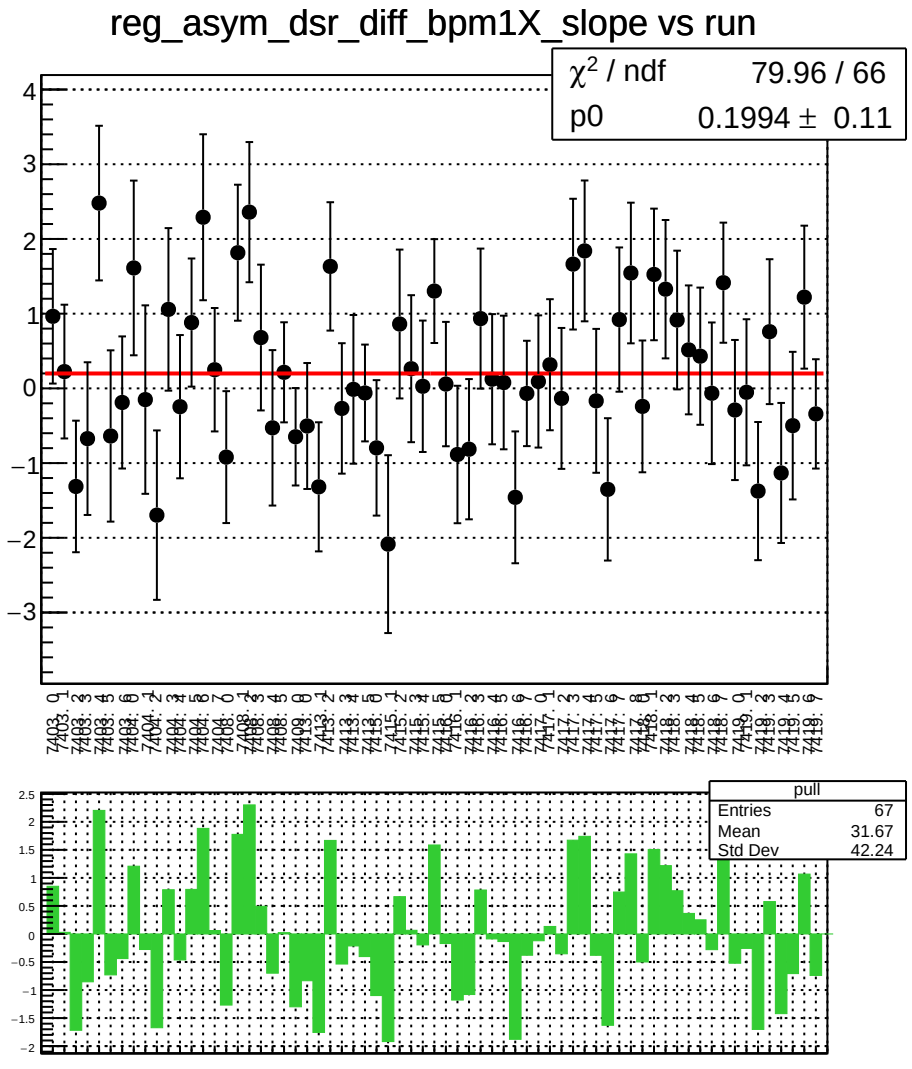

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 62.36 / 66
p0 0.104 ± 0.0792
pull
Entries 67
Mean −82.76
Std Dev 105.9

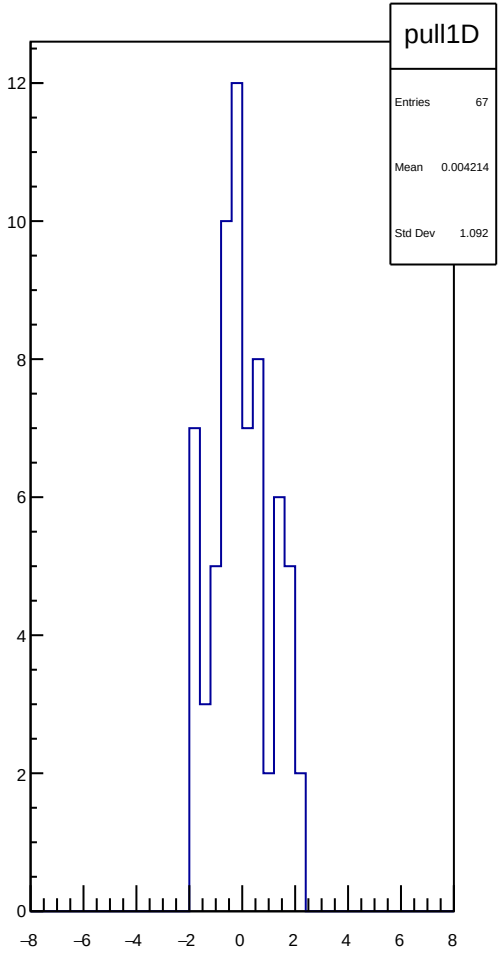

pull1D
Entries 67
Mean −0.02807
Std Dev 0.9644

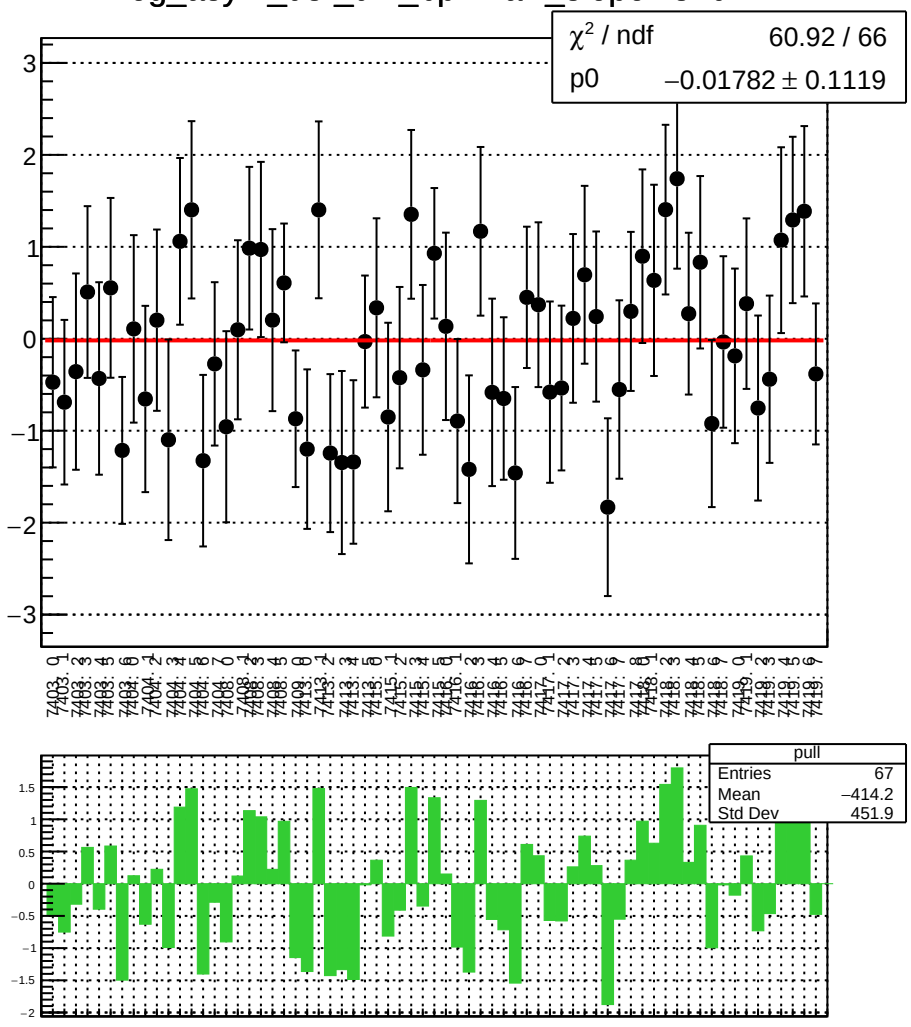

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 73.84 / 66
p0 0.1606 ± 0.08193
pull
Entries 67
Mean −100.3
Std Dev 85.87

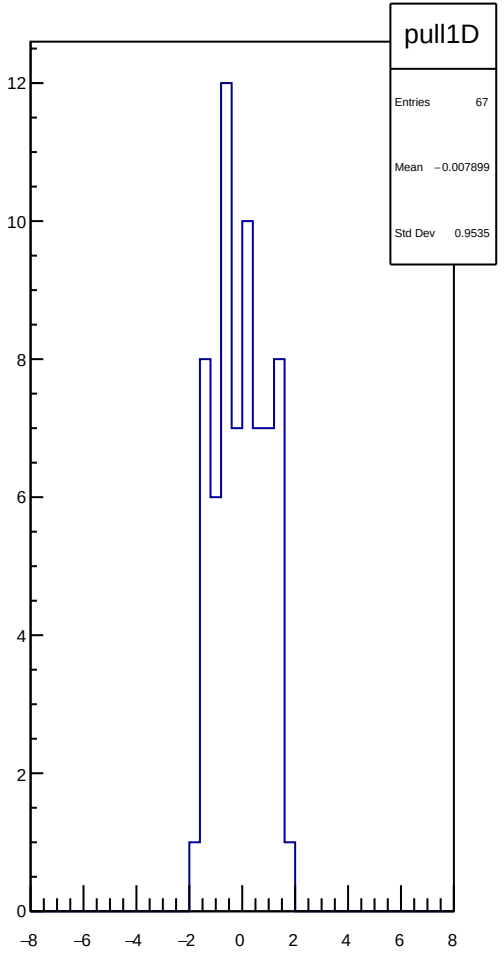

pull1D
Entries 67
Mean −0.002313
Std Dev 1.05

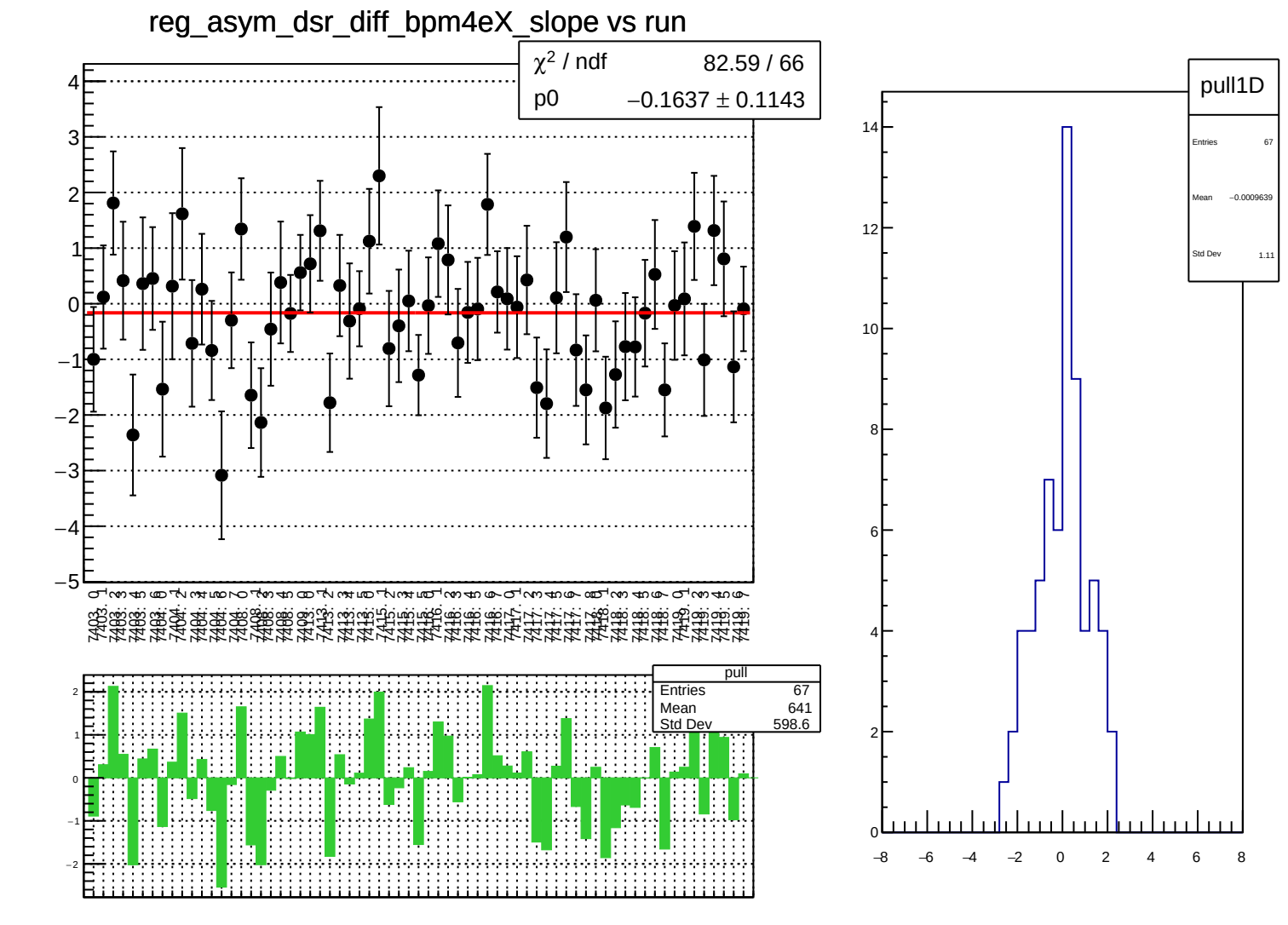

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 80.31 / 66
p0 −0.01234 ± 0.003617
0.1
0.05
0
−0.05
−0.1
pull
Entries 67
Mean −858.5
Std Dev 890.4
2
1
0
−1
−2
pull1D
Entries 67
Mean −0.006716
Std Dev 1.095
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

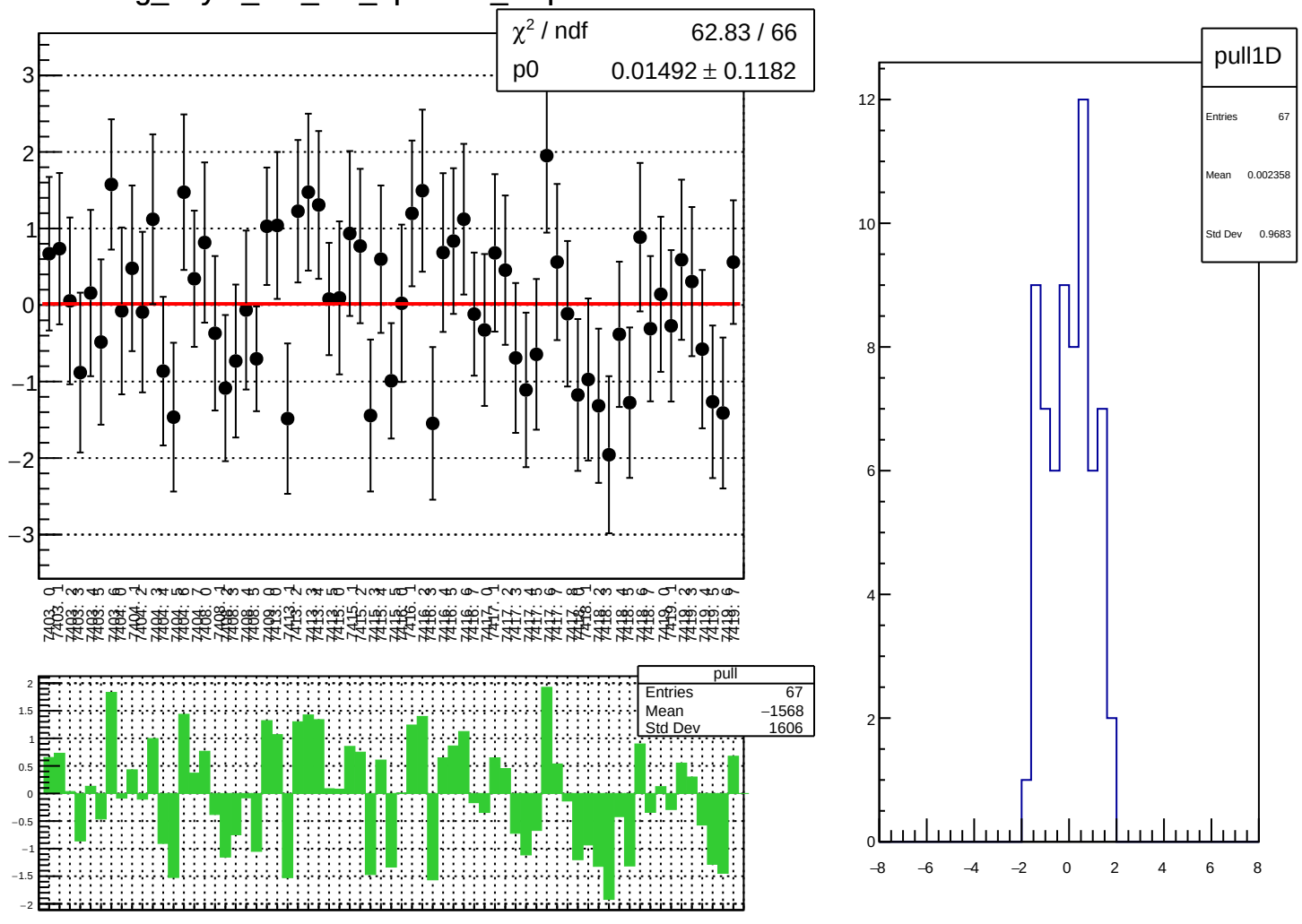

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 79.96 / 66
p0 0.1994 ± 0.11
pull
Entries 67
Mean 31.67
Std Dev 42.24

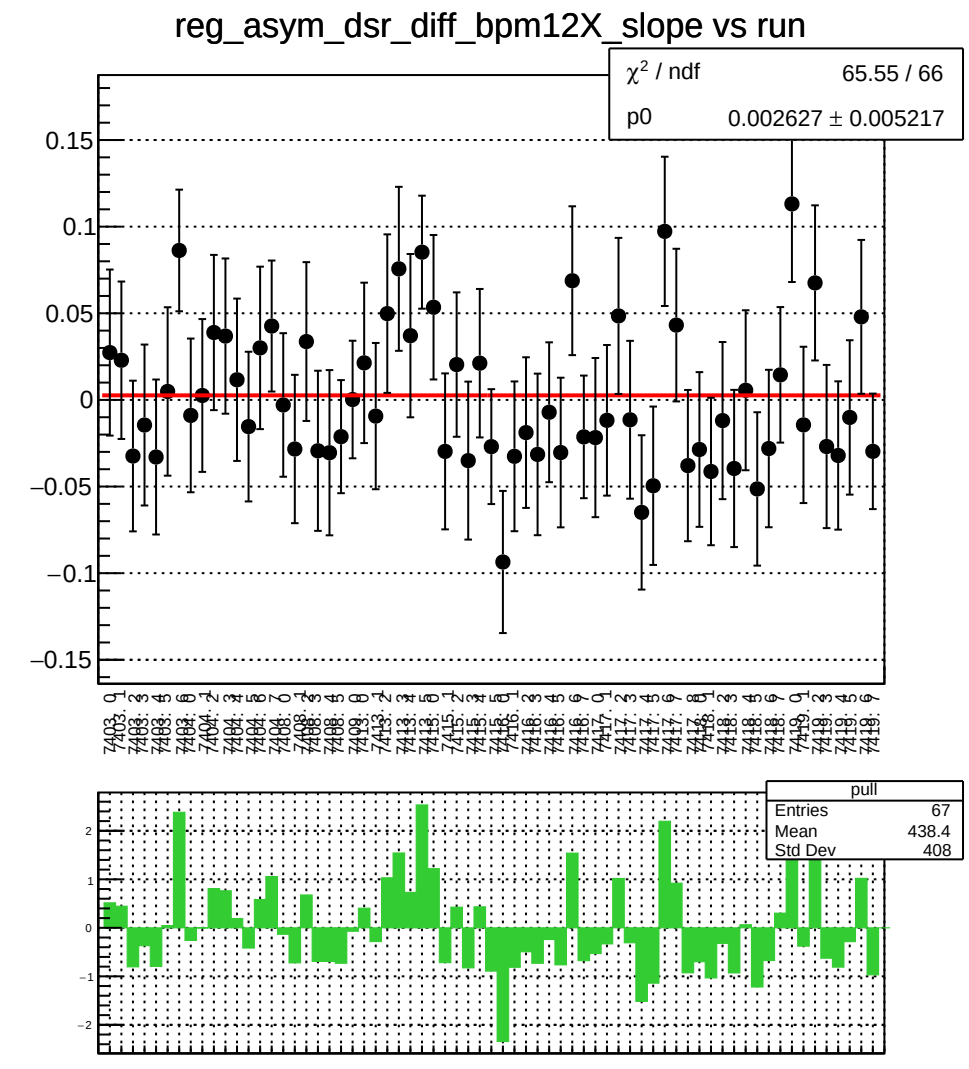

pull1D
Entries 67
Mean 0.004214
Std Dev 1.092

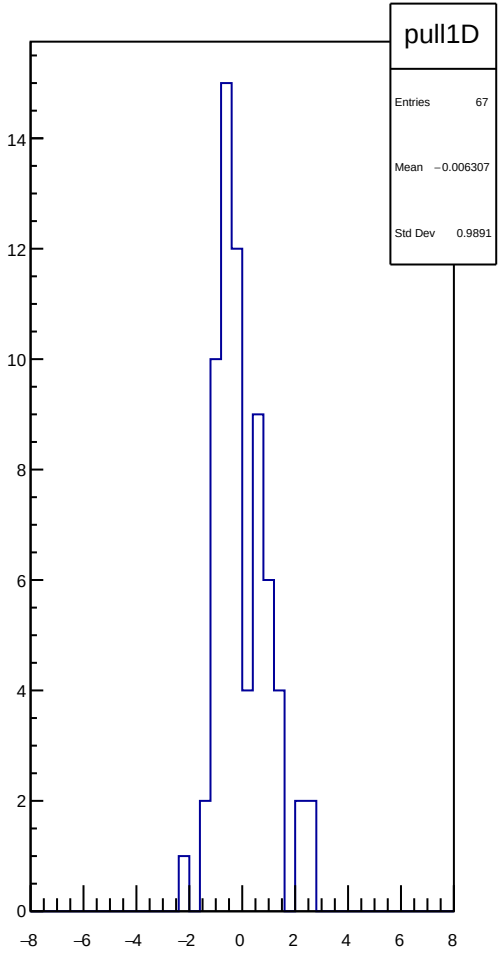

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 60.92 / 66
p0 −0.01782 ± 0.1119
pull
Entries 67
Mean −414.2
Std Dev 451.9

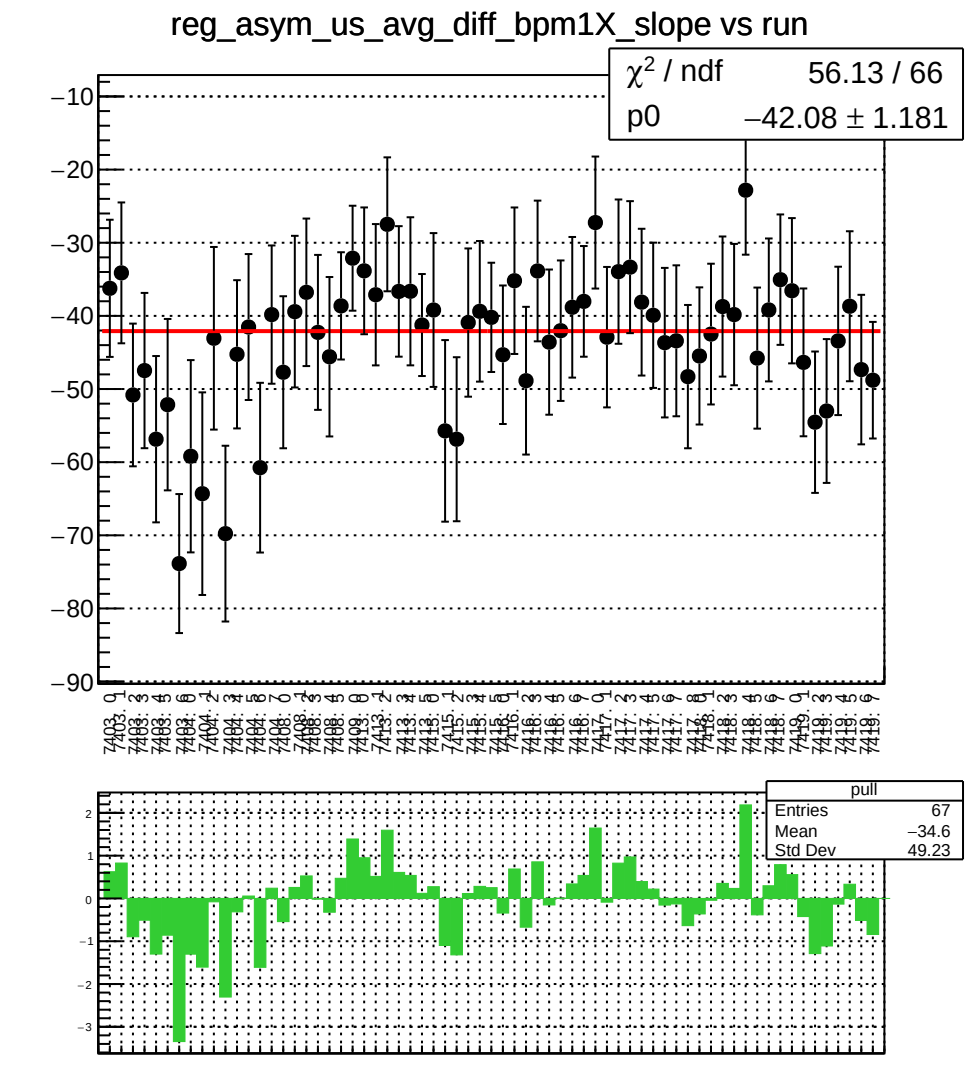

pull1D
Entries 67
Mean −0.007899
Std Dev 0.9535

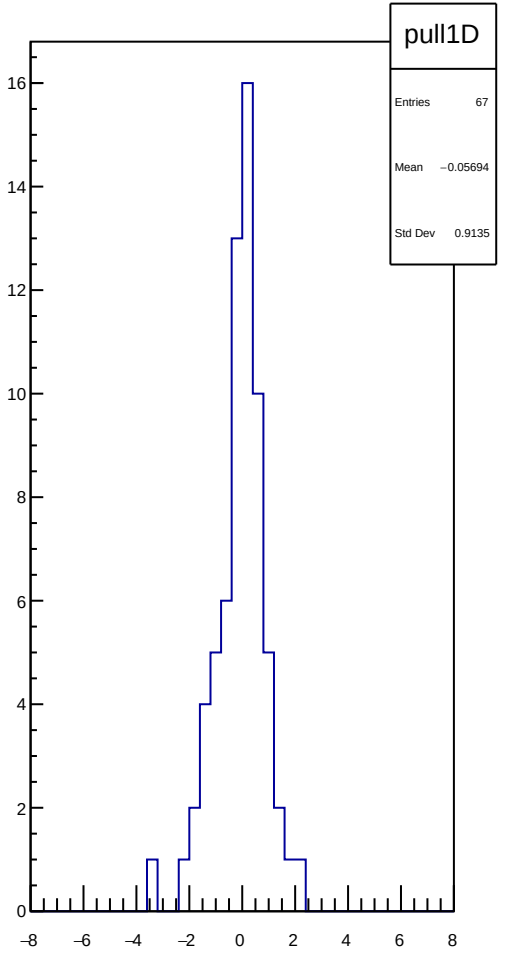

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 82.59 / 66
p0 −0.1637 ± 0.1143
pull
Entries 67
Mean 641
Std Dev 598.6
pull1D
Entries 67
Mean −0.0009639
Std Dev 1.11

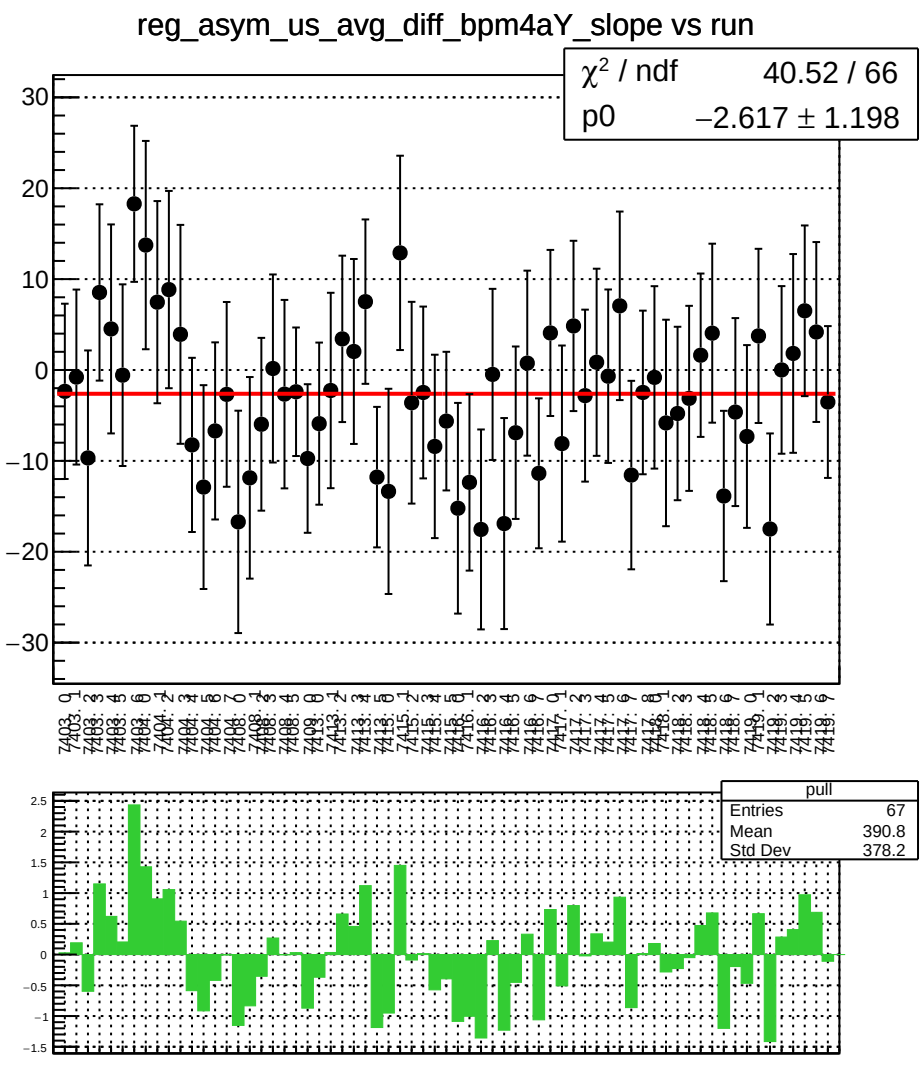

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 62.83 / 66
p0 0.01492 ± 0.1182
pull
Entries 67
Mean −1568
Std Dev 1606
pull1D
Entries 67
Mean 0.002358
Std Dev 0.9683

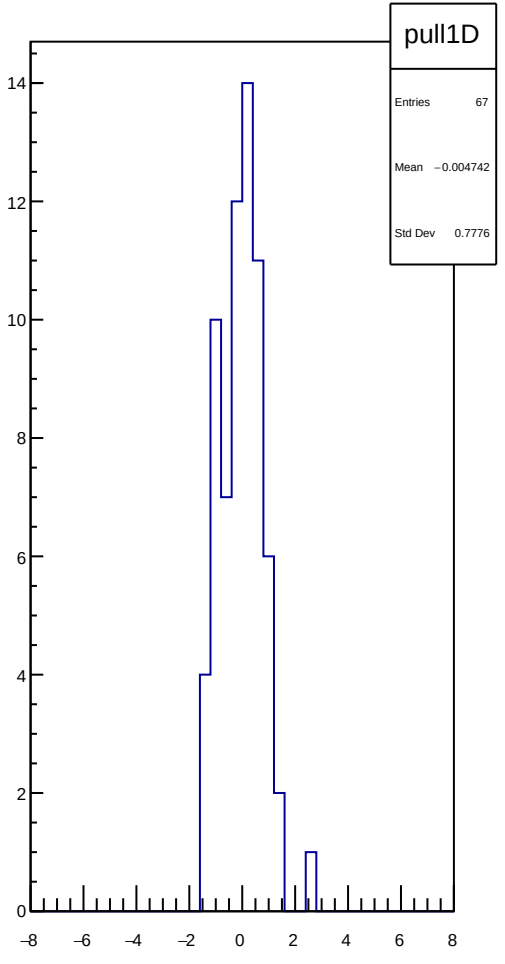

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 65.55 / 66
p0 0.002627 ± 0.005217
pull
Entries 67
Mean 438.4
Std Dev 408

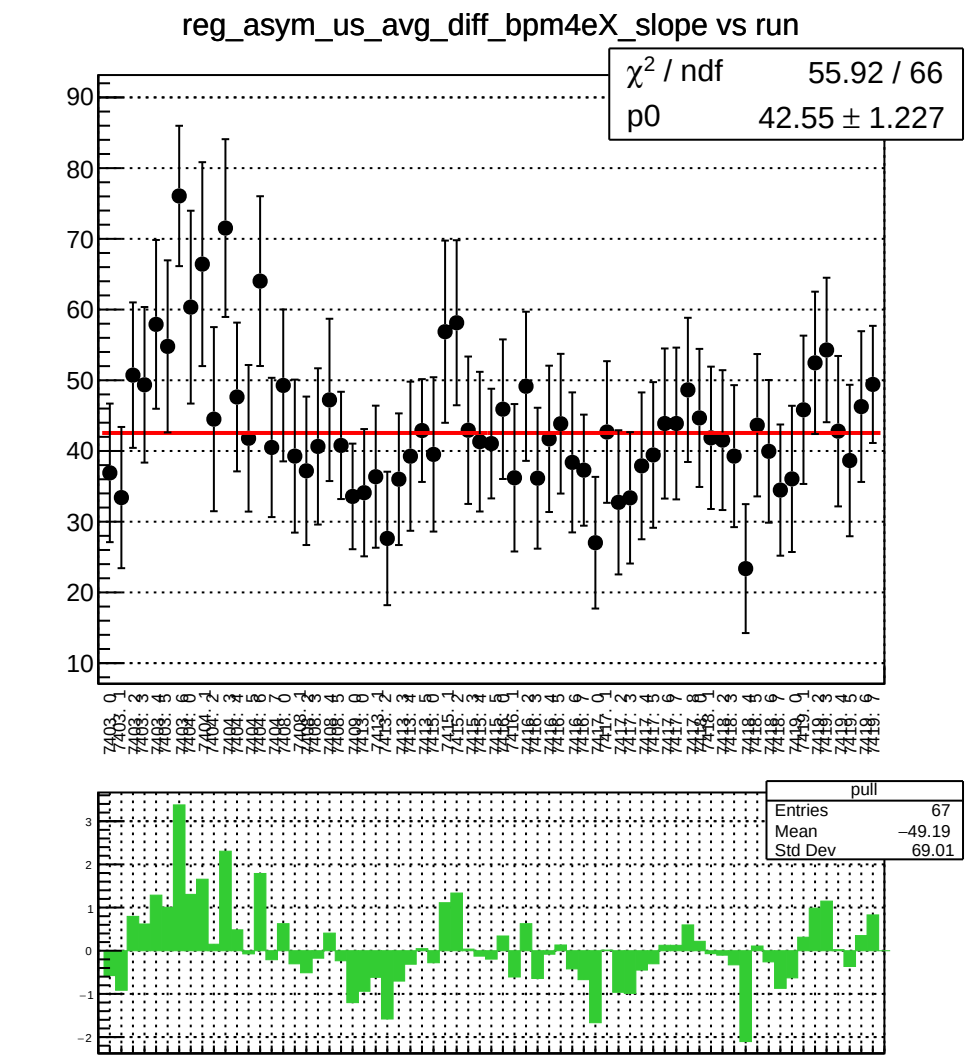

pull1D
Entries 67
Mean −0.006307
Std Dev 0.9891

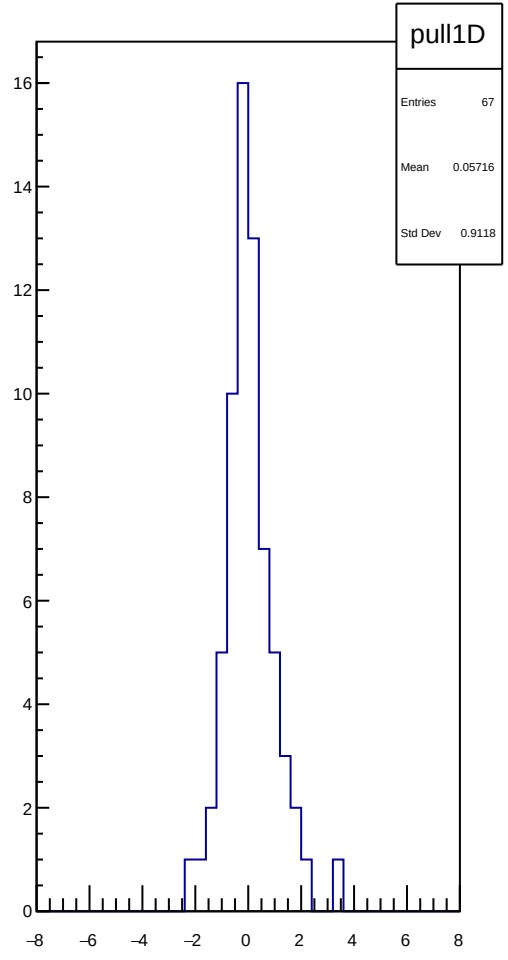

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 56.13 / 66
p0 −42.08 ± 1.181
pull
Entries 67
Mean −34.6
Std Dev 49.23

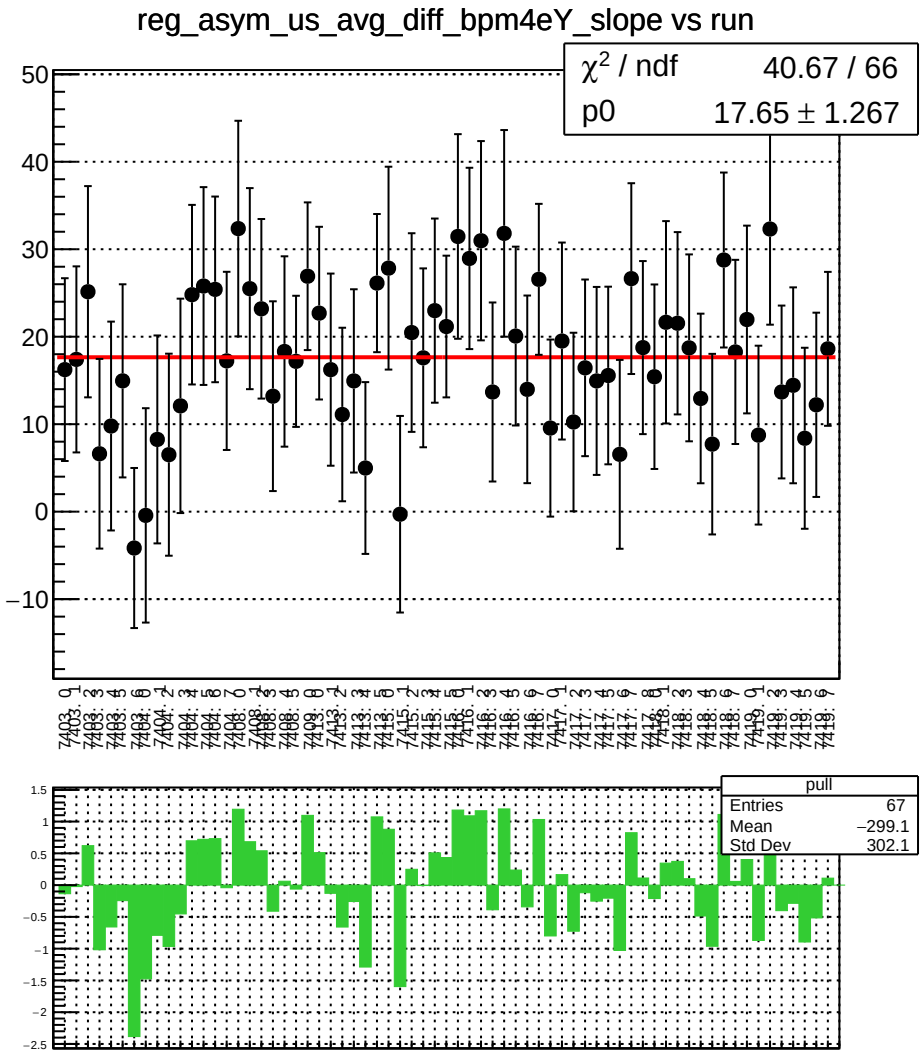

pull1D
Entries 67
Mean −0.05694
Std Dev 0.9135

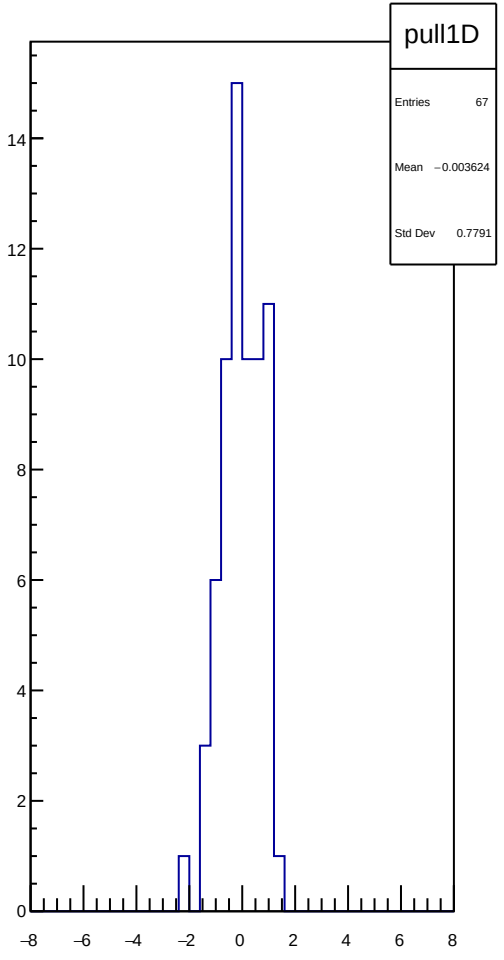

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.52 / 66
p0 −2.617 ± 1.198
pull
Entries 67
Mean 390.8
Std Dev 378.2

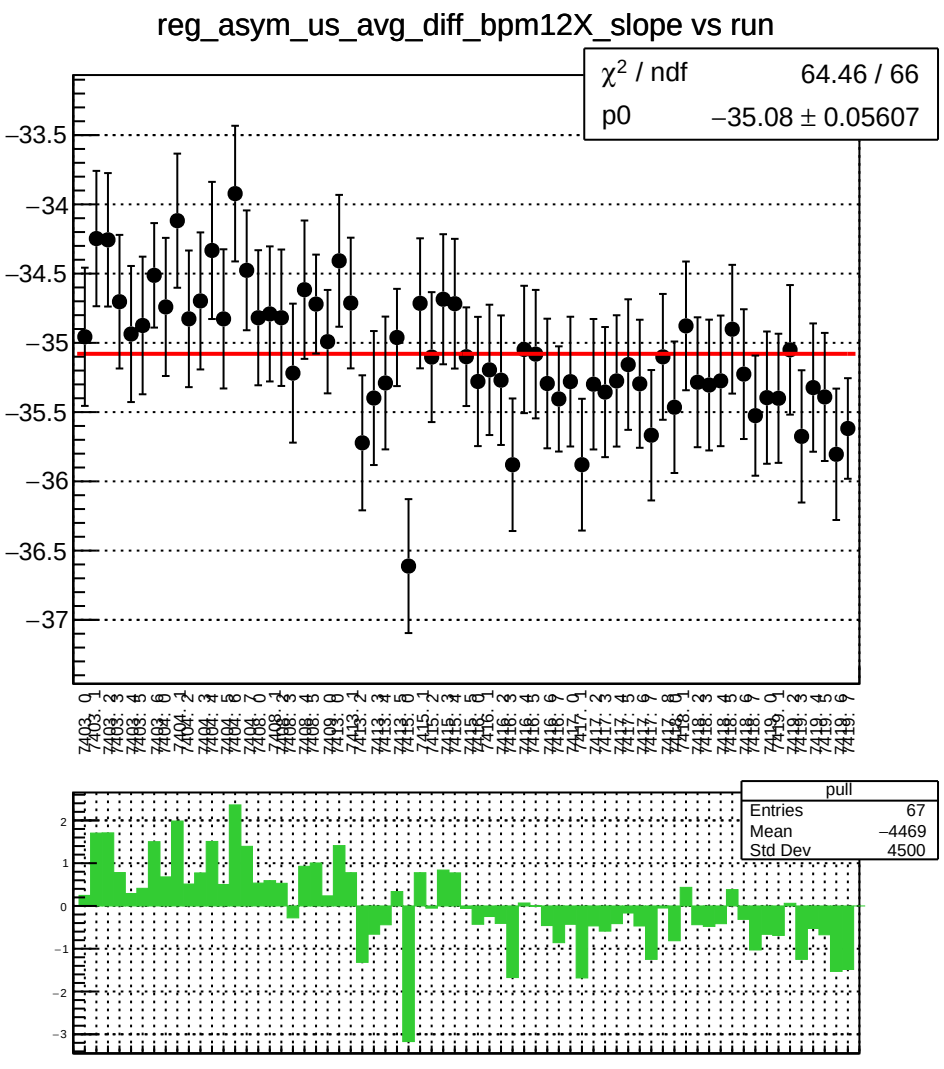

pull1D
Entries 67
Mean −0.004742
Std Dev 0.7776

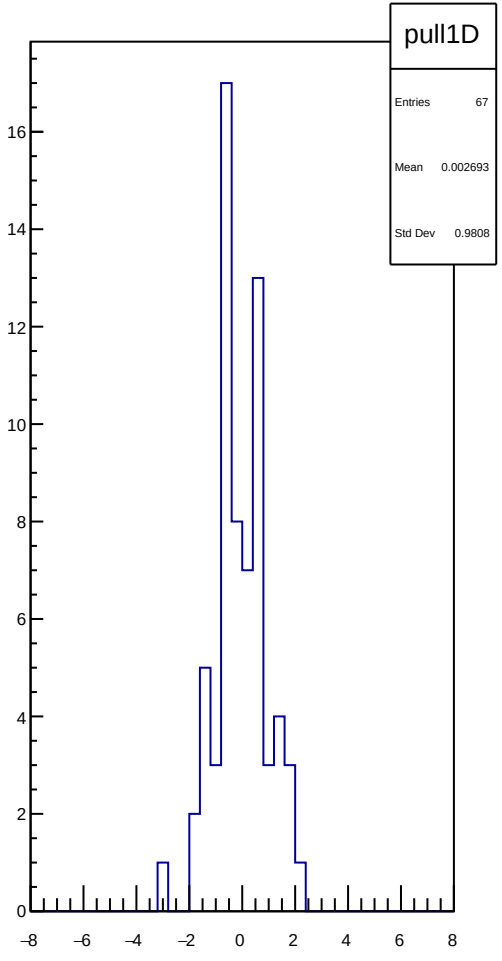

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.92 / 66
p0 42.55 ± 1.227
pull
Entries 67
Mean −49.19
Std Dev 69.01

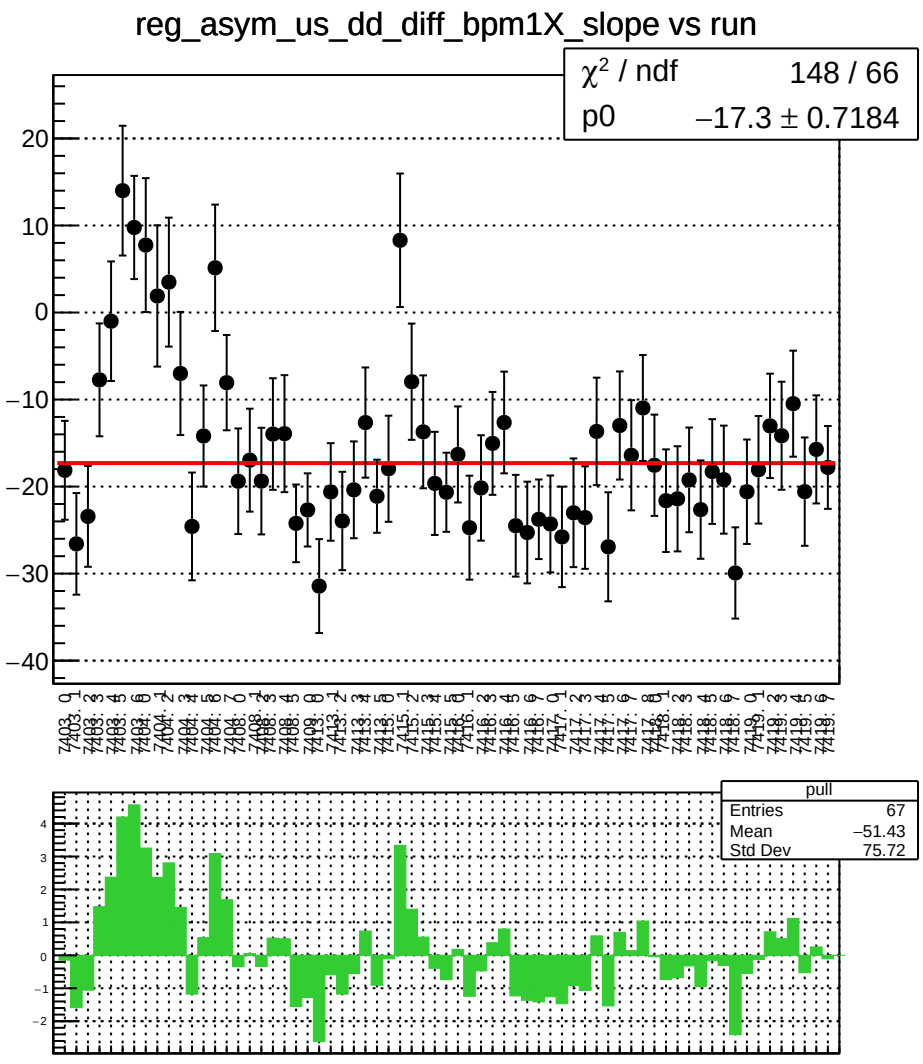

pull1D
Entries 67
Mean 0.05716
Std Dev 0.9118

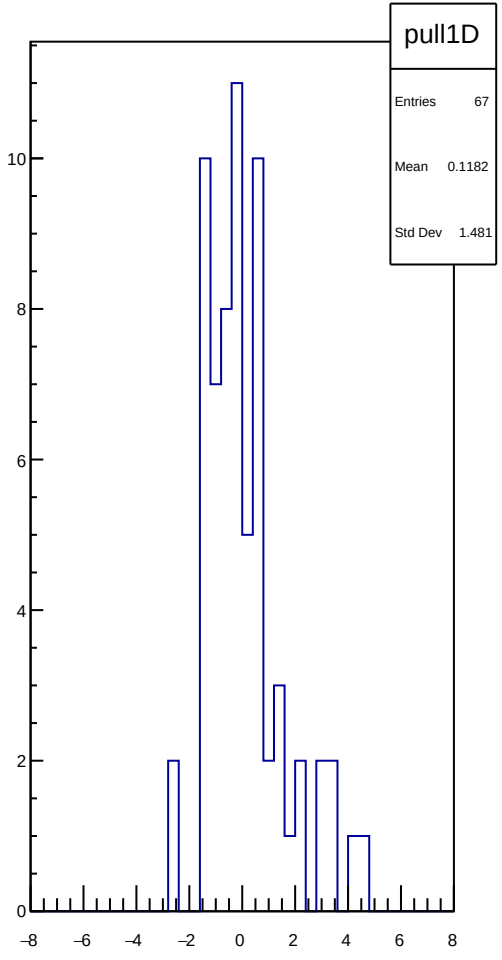

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.67 / 66
p0 17.65 ± 1.267
pull
Entries 67
Mean −299.1
Std Dev 302.1

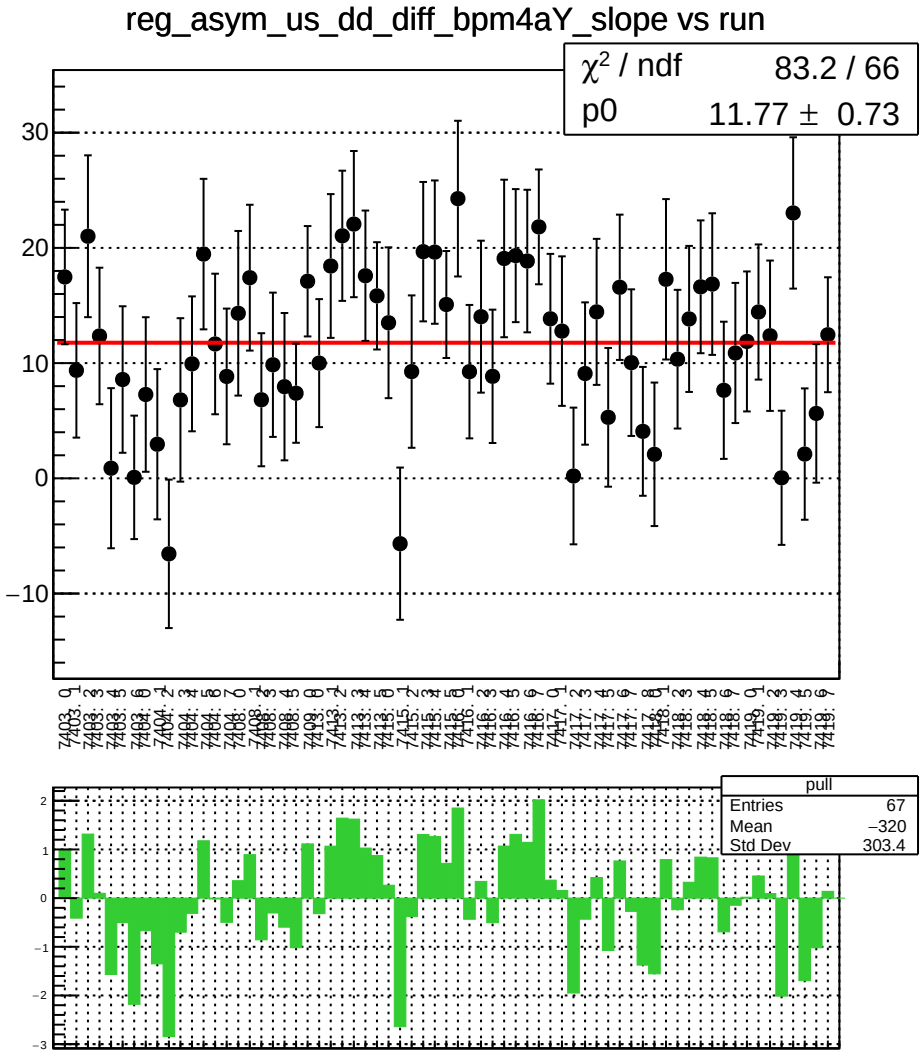

pull1D
Entries 67
Mean −0.003624
Std Dev 0.7791

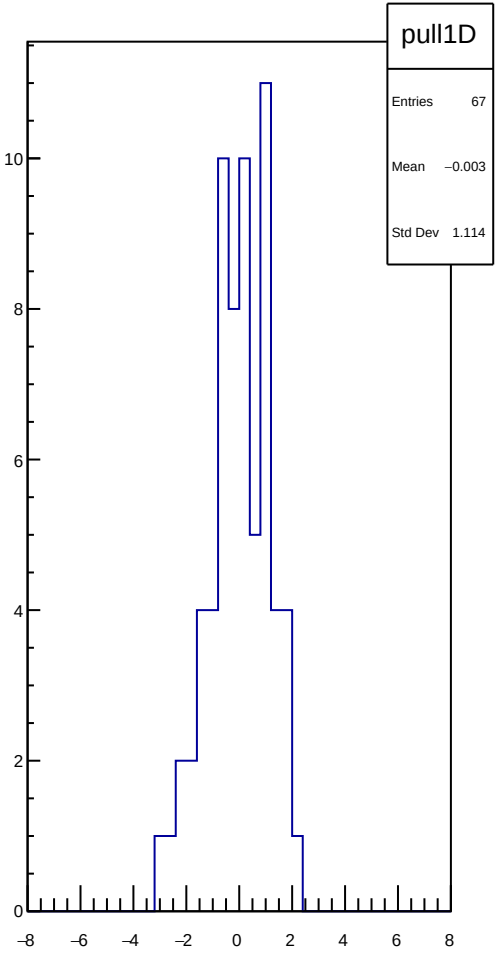

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 64.46 / 66
p0 −35.08 ± 0.05607
pull
Entries 67
Mean −4469
Std Dev 4500

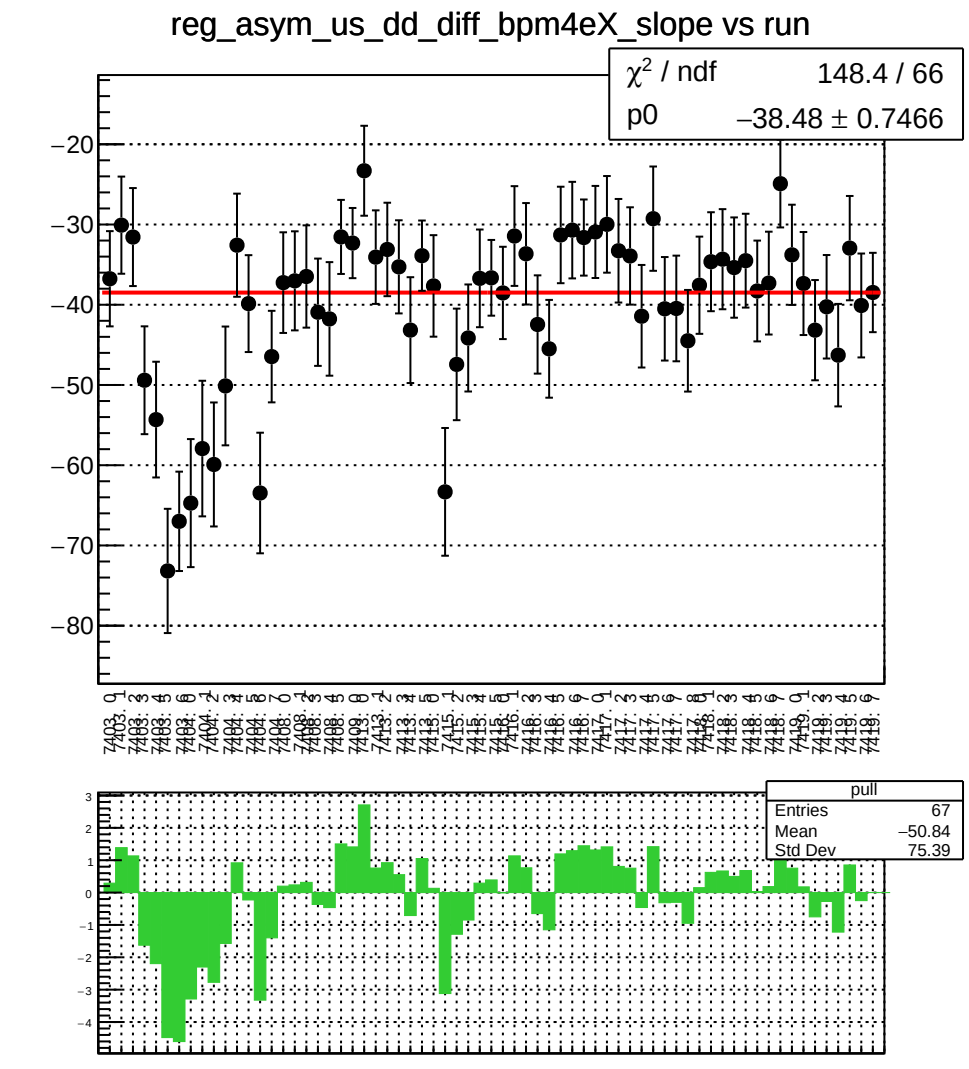

pull1D
Entries 67
Mean 0.002693
Std Dev 0.9808

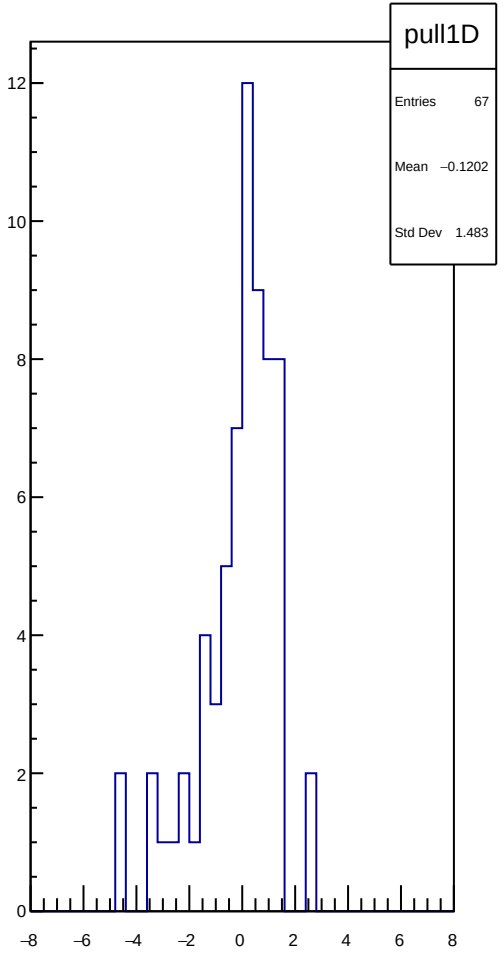

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 148 / 66
p0 −17.3 ± 0.7184
pull
Entries 67
Mean −51.43
Std Dev 75.72

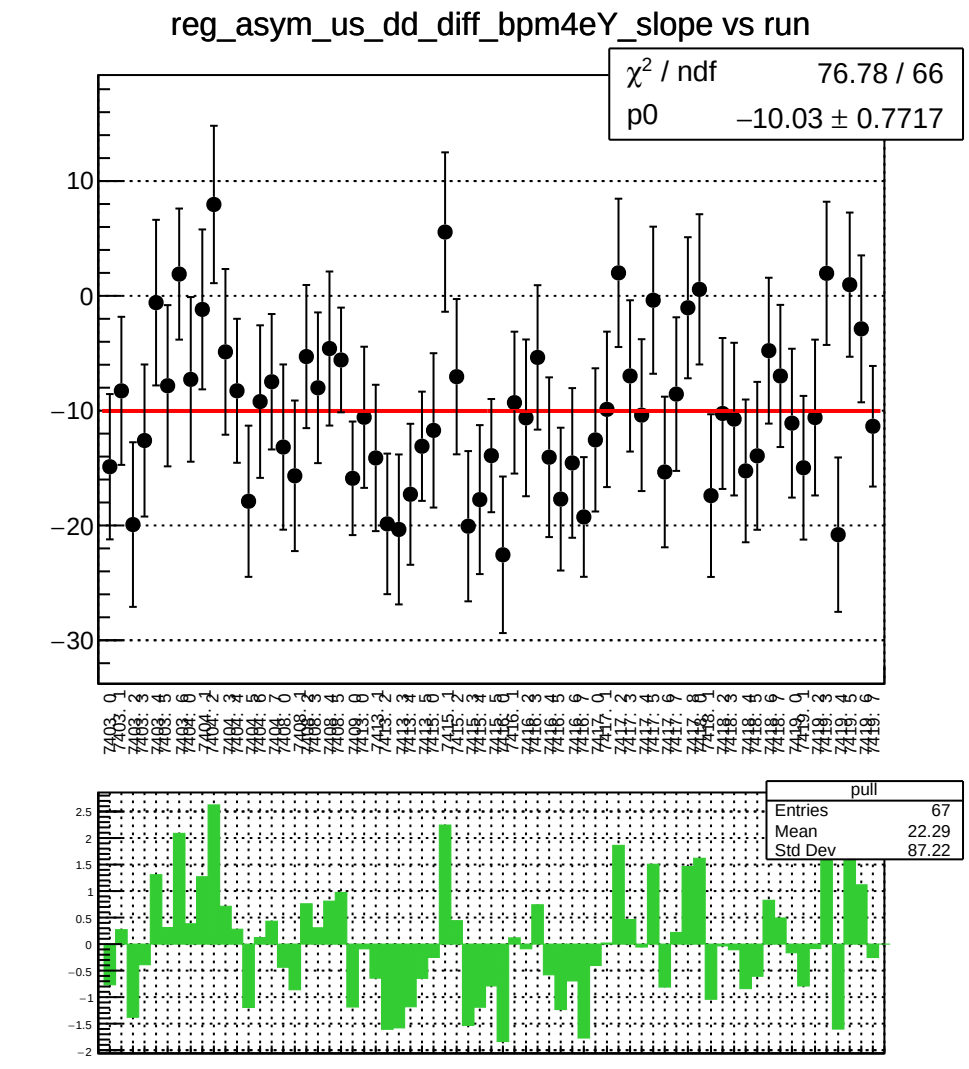

pull1D
Entries 67
Mean 0.1182
Std Dev 1.481

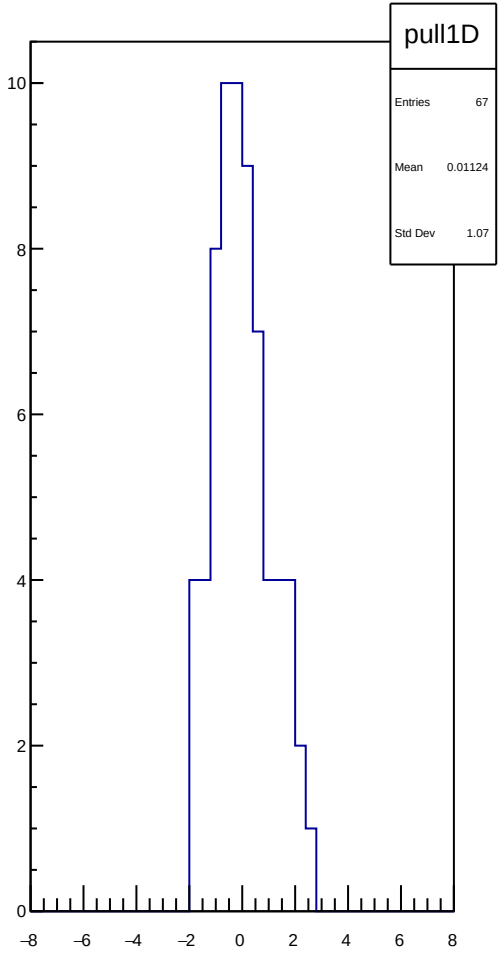

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 83.2 / 66
p0 11.77 ± 0.73
pull
Entries 67
Mean −320
Std Dev 303.4

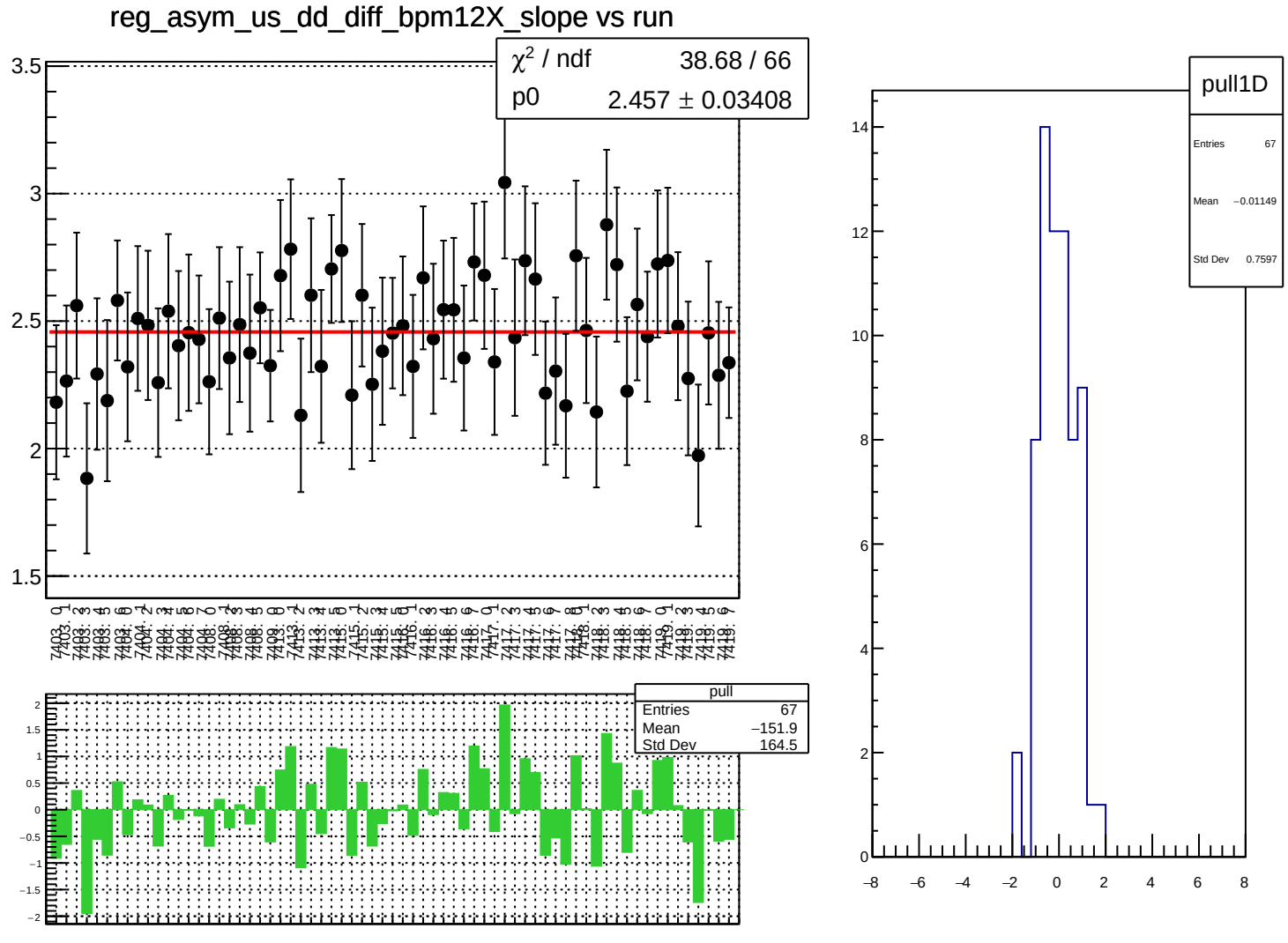

pull1D
Entries 67
Mean −0.003
Std Dev 1.114

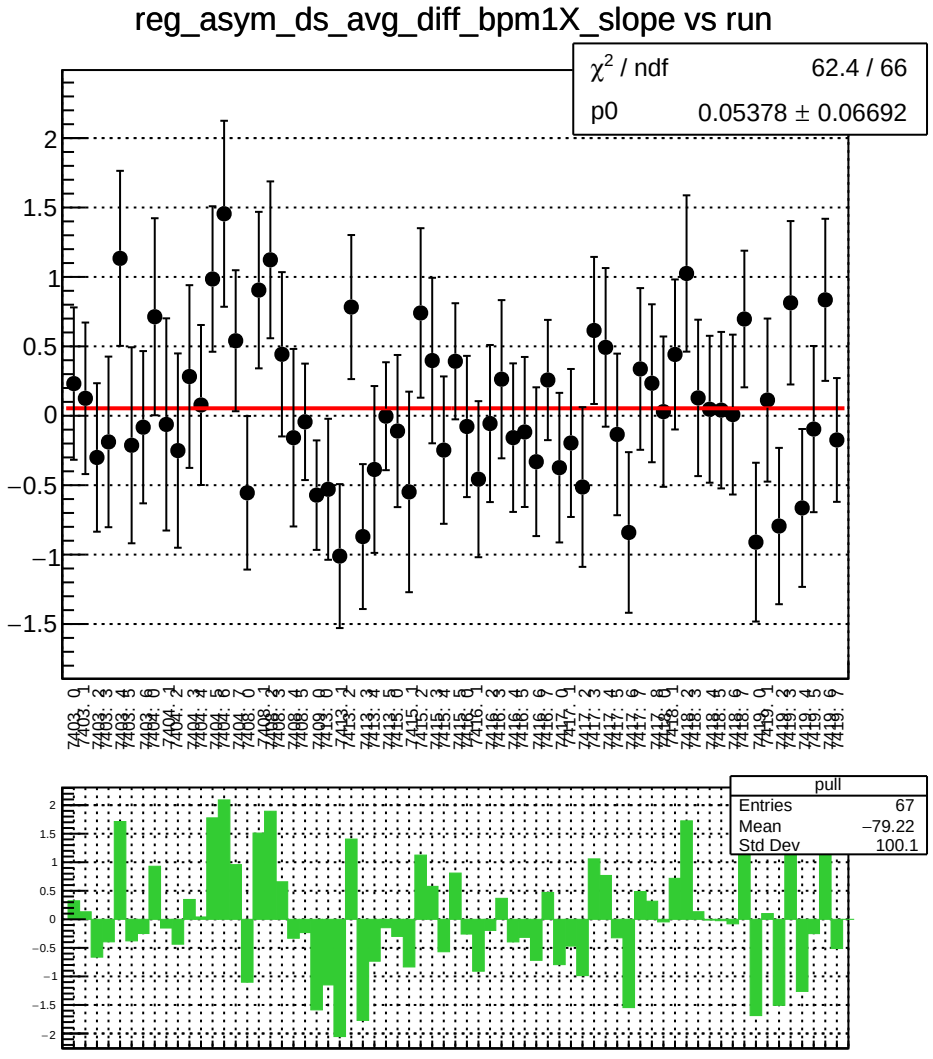

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 148.4 / 66
p0 −38.48 ± 0.7466
pull
Entries 67
Mean −50.84
Std Dev 75.39

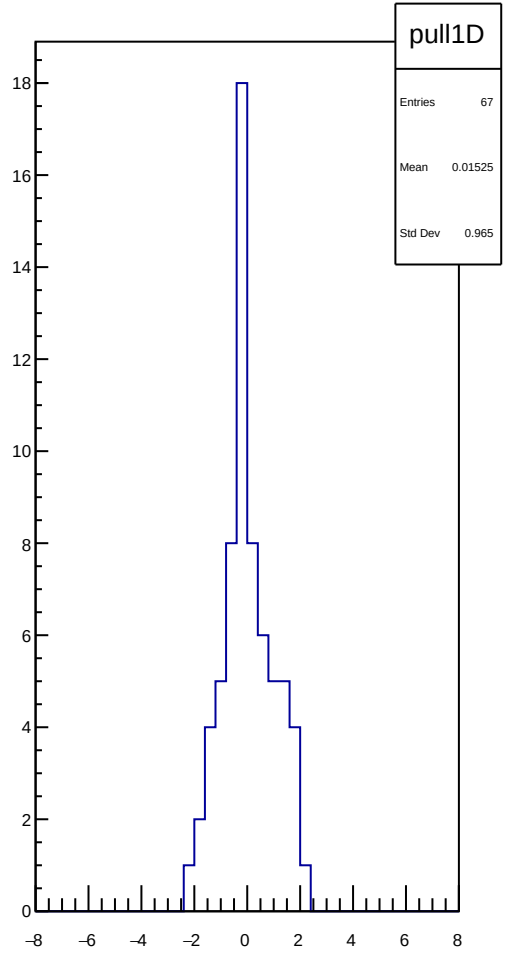

pull1D
Entries 67
Mean −0.1202
Std Dev 1.483

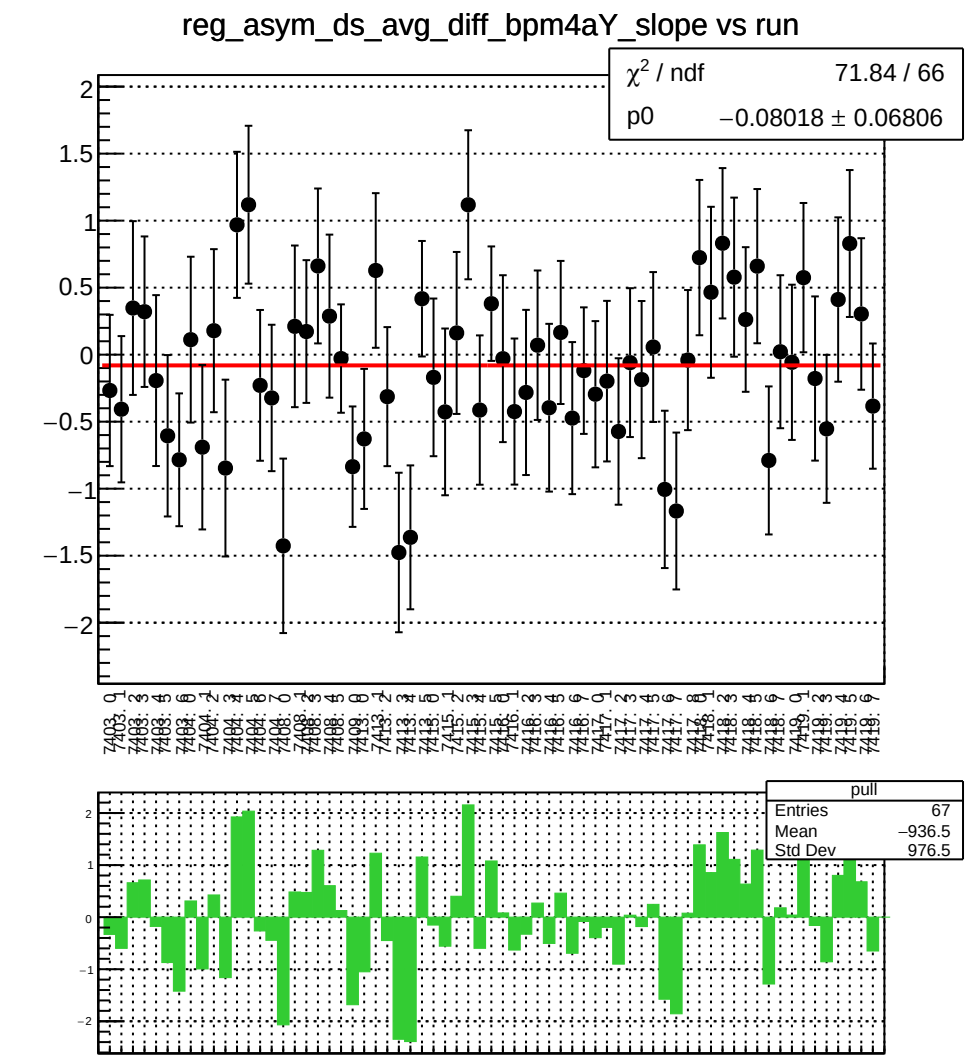

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.78 / 66
p0 −10.03 ± 0.7717
pull
Entries 67
Mean 22.29
Std Dev 87.22

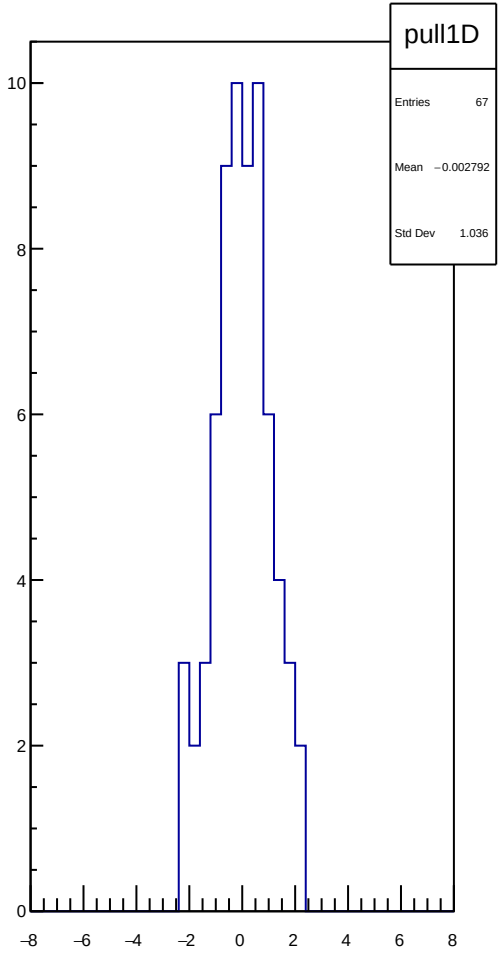

pull1D
Entries 67
Mean 0.01124
Std Dev 1.07

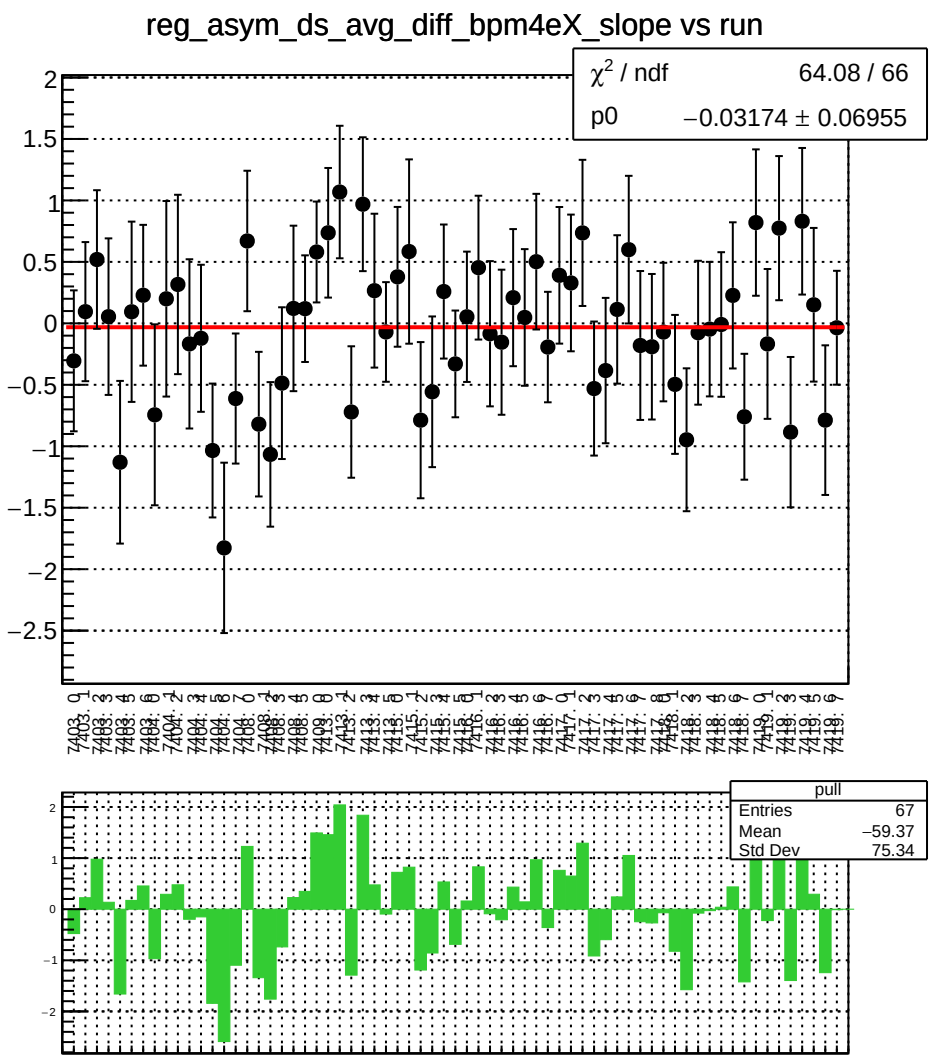

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 38.68 / 66
p0 2.457 ± 0.03408
pull
Entries 67
Mean −151.9
Std Dev 164.5
pull1D
Entries 67
Mean −0.01149
Std Dev 0.7597

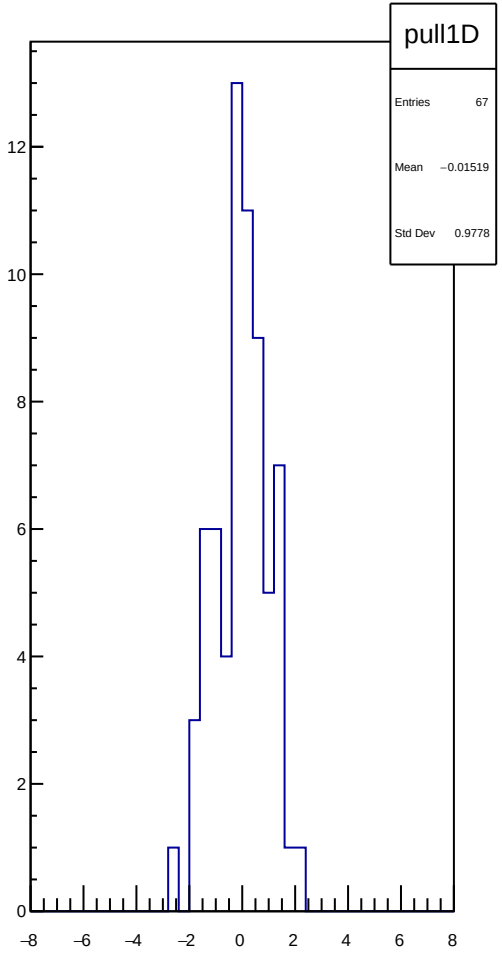

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 62.4 / 66
p0 0.05378 ± 0.06692
pull
Entries 67
Mean −79.22
Std Dev 100.1

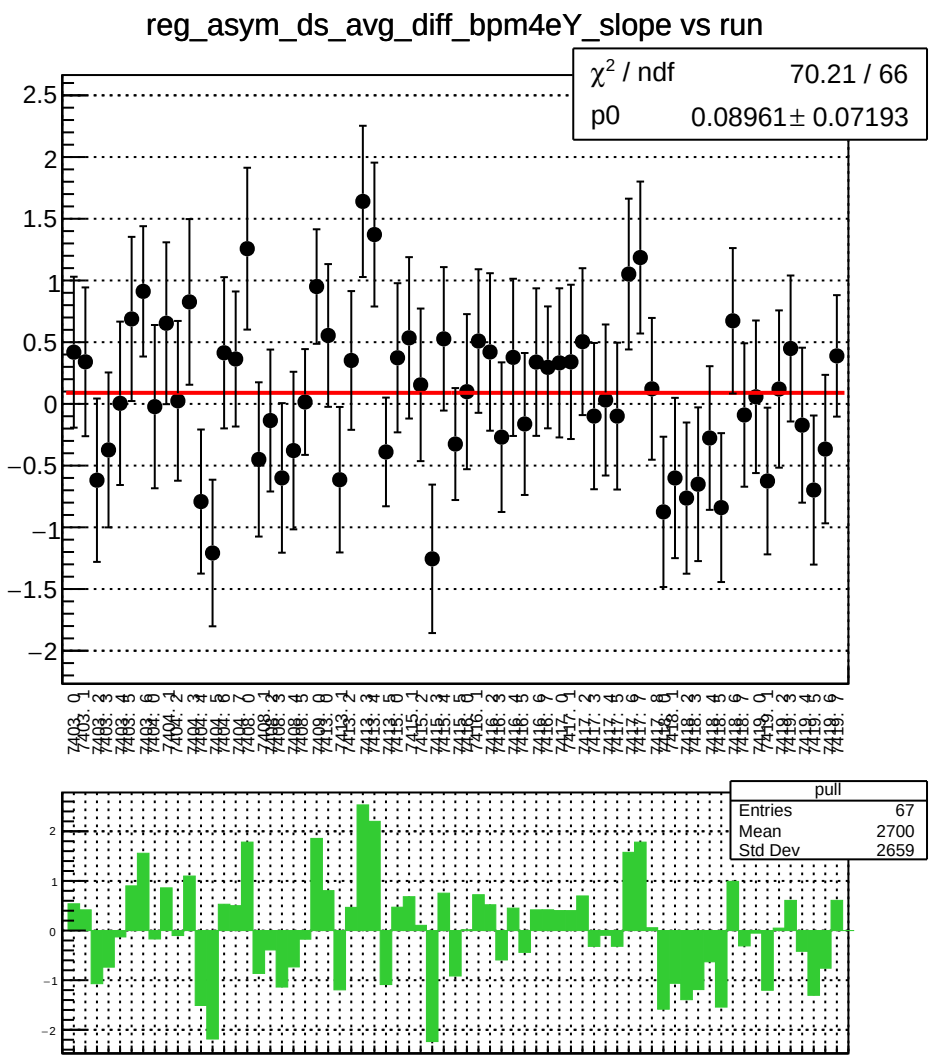

pull1D
Entries 67
Mean 0.01525
Std Dev 0.965

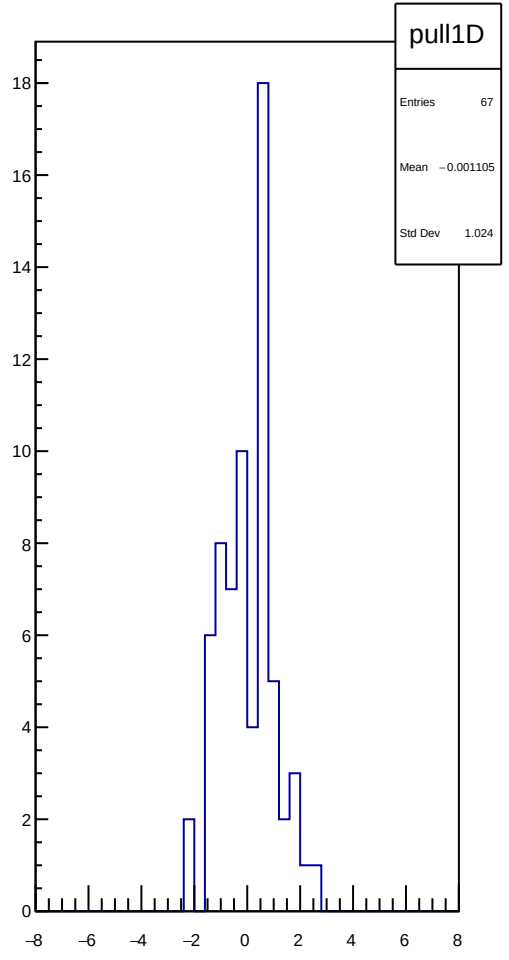

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 71.84 / 66
p0 −0.08018 ± 0.06806
pull
Entries 67
Mean −936.5
Std Dev 976.5

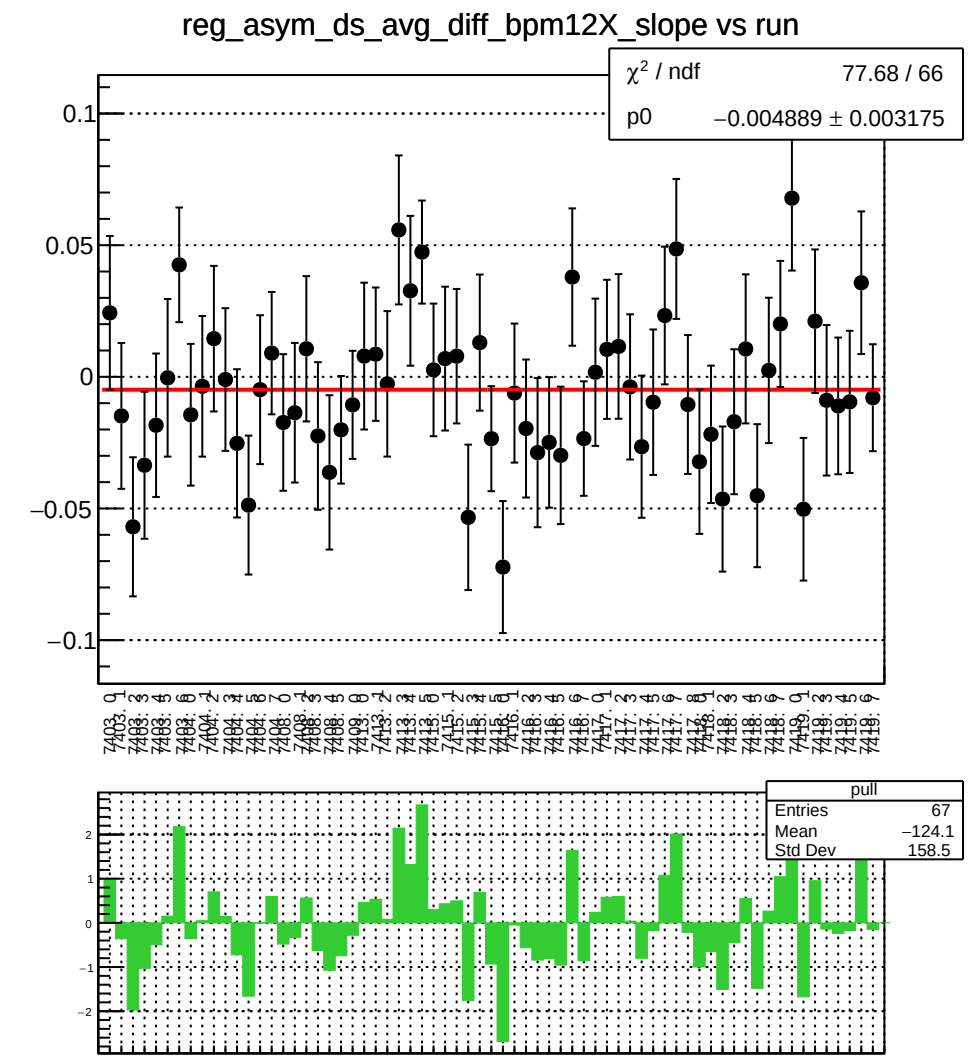

pull1D
Entries 67
Mean −0.002792
Std Dev 1.036

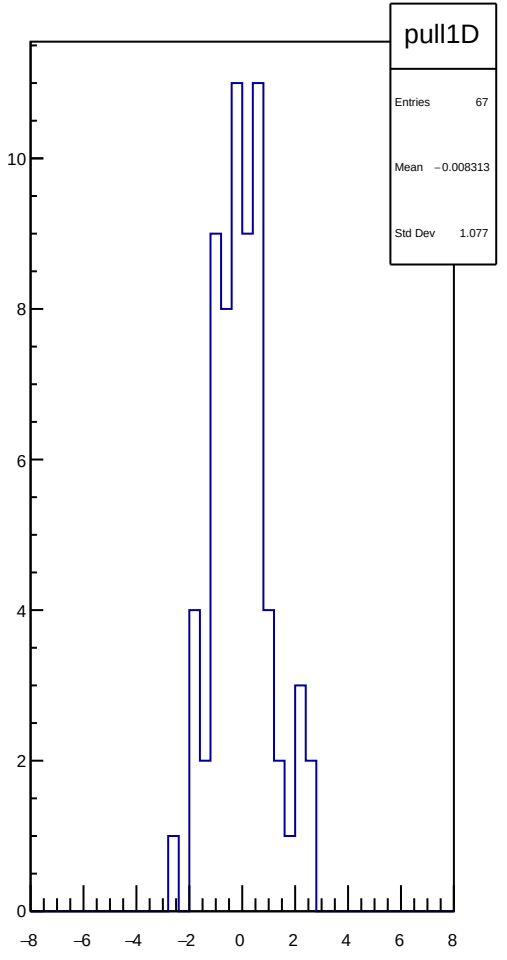

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.08 / 66
p0 −0.03174 ± 0.06955
pull
Entries 67
Mean −59.37
Std Dev 75.34

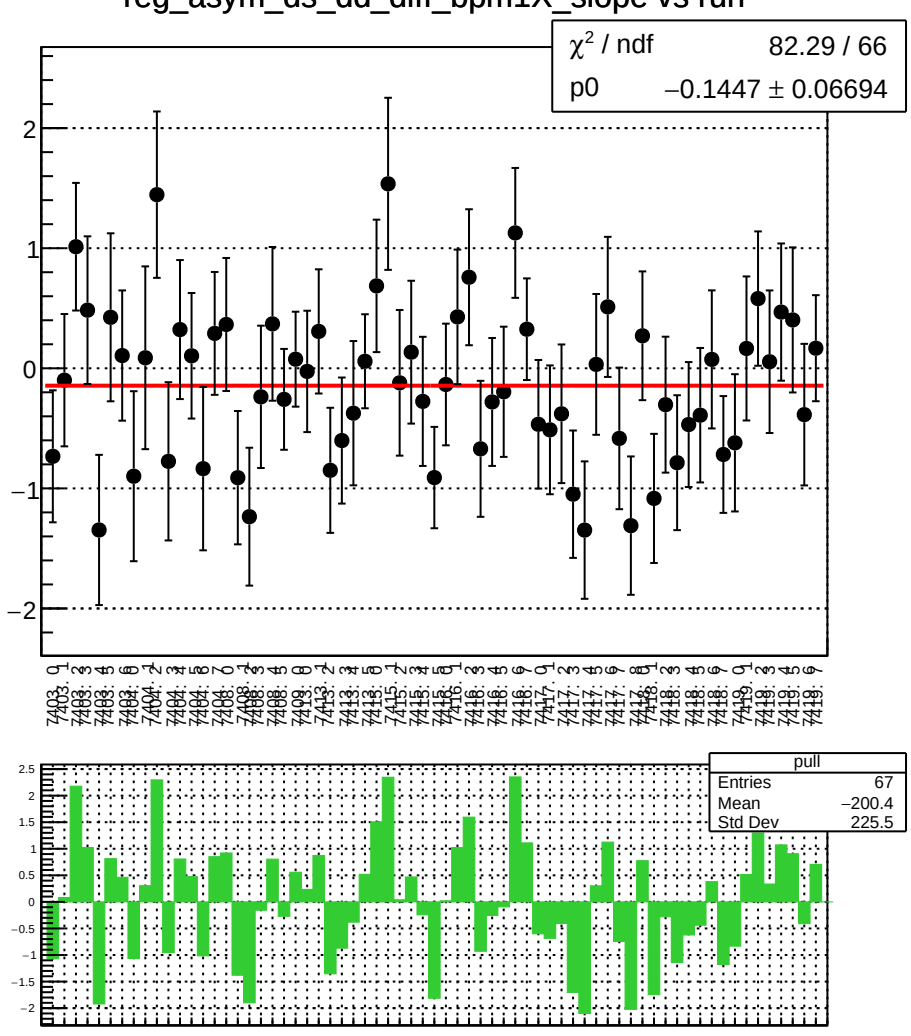

pull1D
Entries 67
Mean −0.01519
Std Dev 0.9778

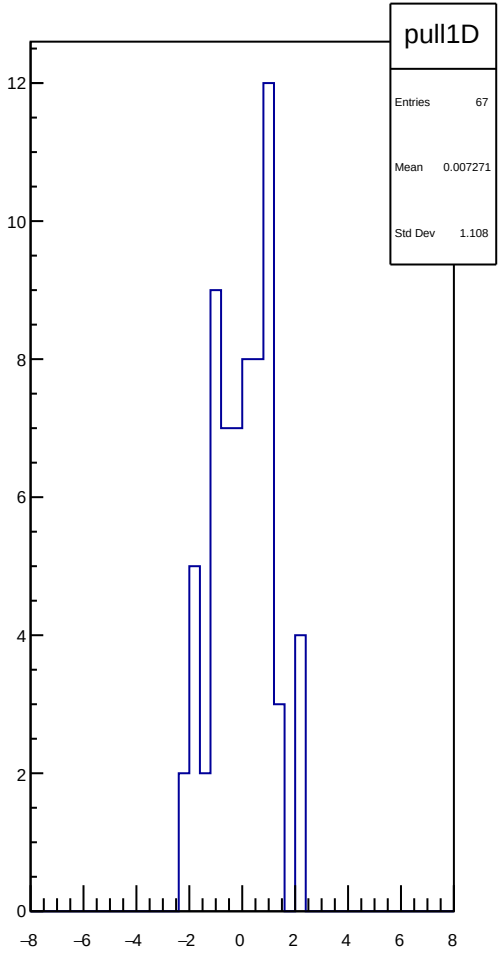

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 70.21 / 66
p0 0.08961 ± 0.07193
pull
Entries 67
Mean 2700
Std Dev 2659

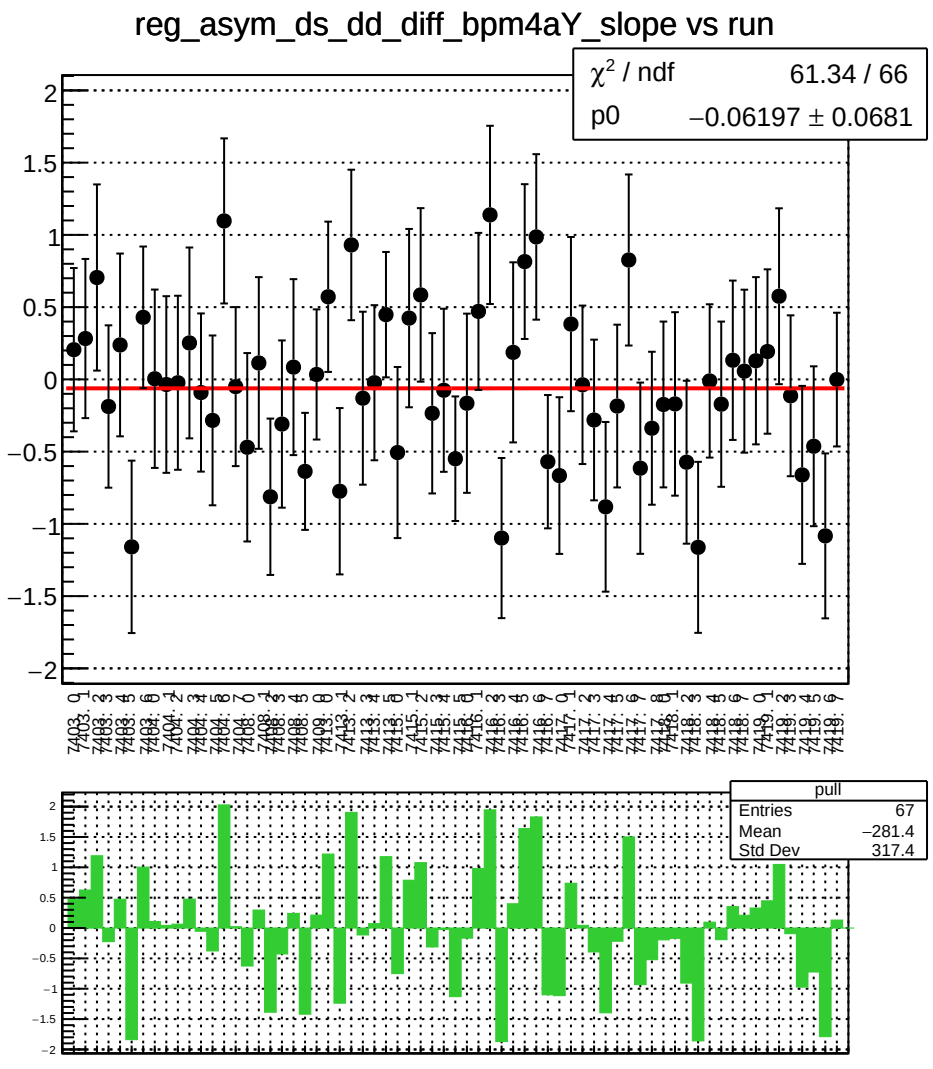

pull1D
Entries 67
Mean −0.001105
Std Dev 1.024

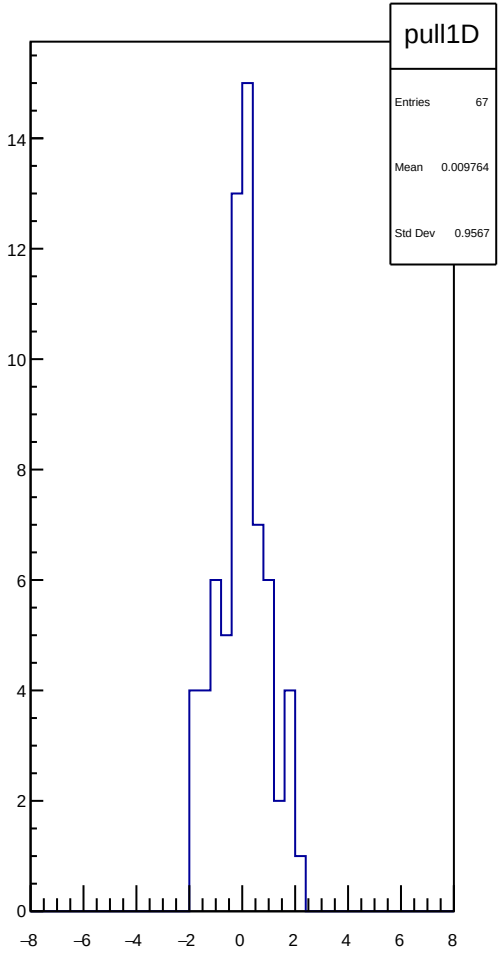

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 77.68 / 66
p0 −0.004889 ± 0.003175
0.1
0.05
0
−0.05
−0.1
pull
Entries 67
Mean −124.1
Std Dev 158.5
2
1
0
−1
−2

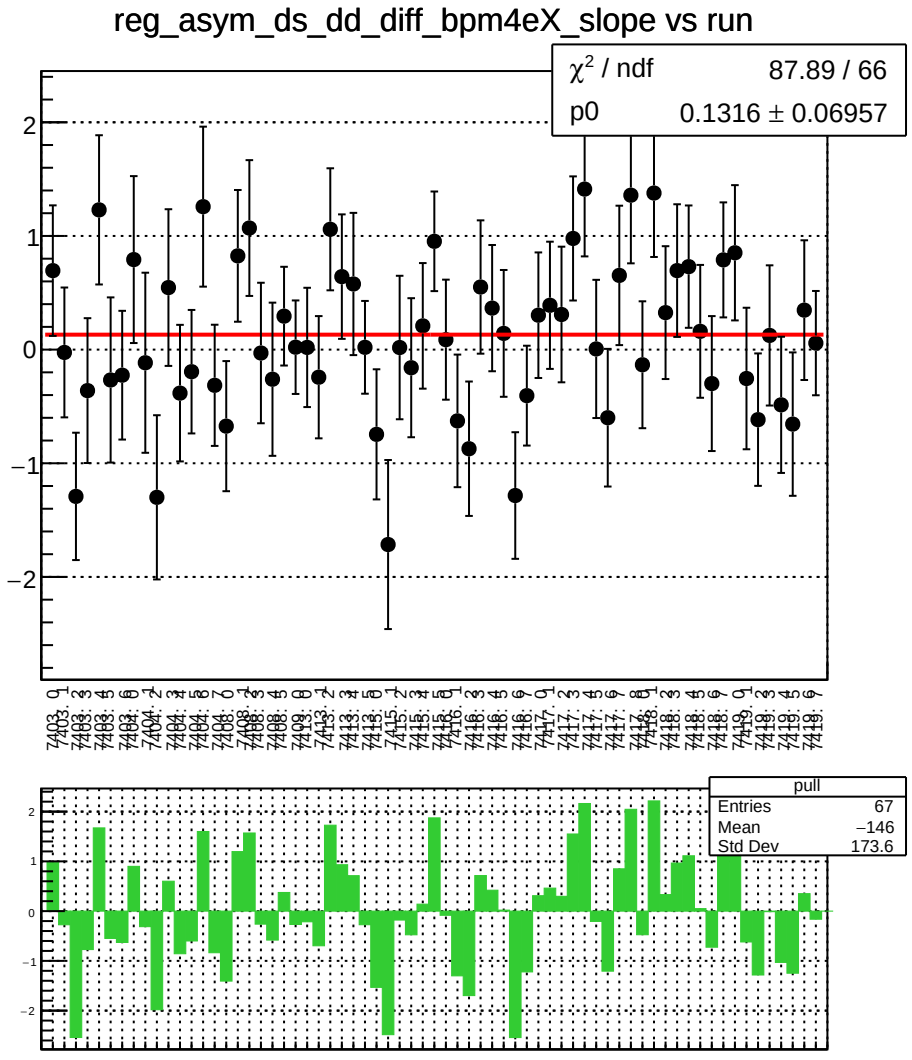

pull1D
Entries 67
Mean −0.008313
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

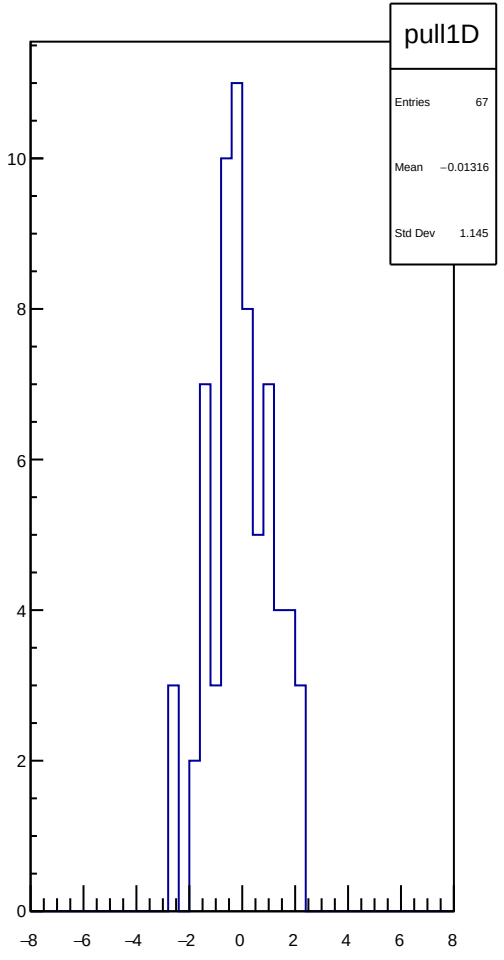

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 82.29 / 66
p0 −0.1447 ± 0.06694
pull
Entries 67
Mean −200.4
Std Dev 225.5

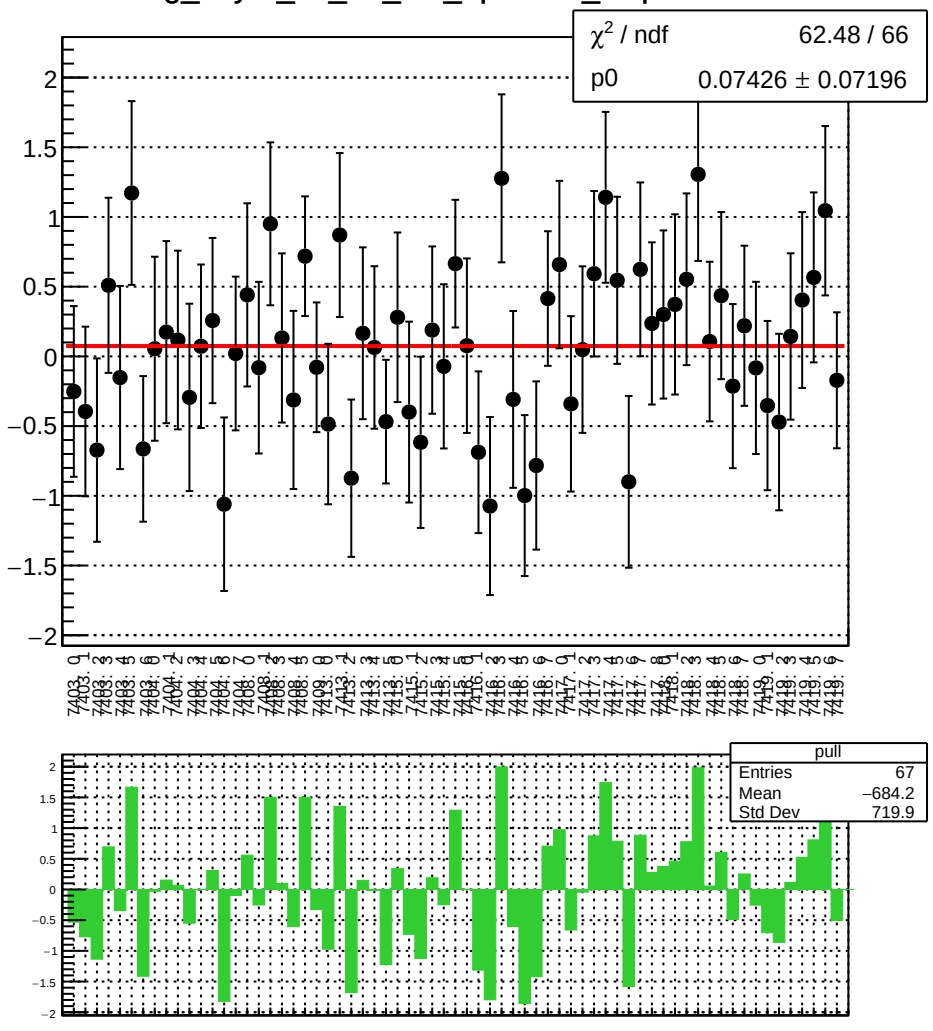

pull1D
Entries 67
Mean 0.007271
Std Dev 1.108

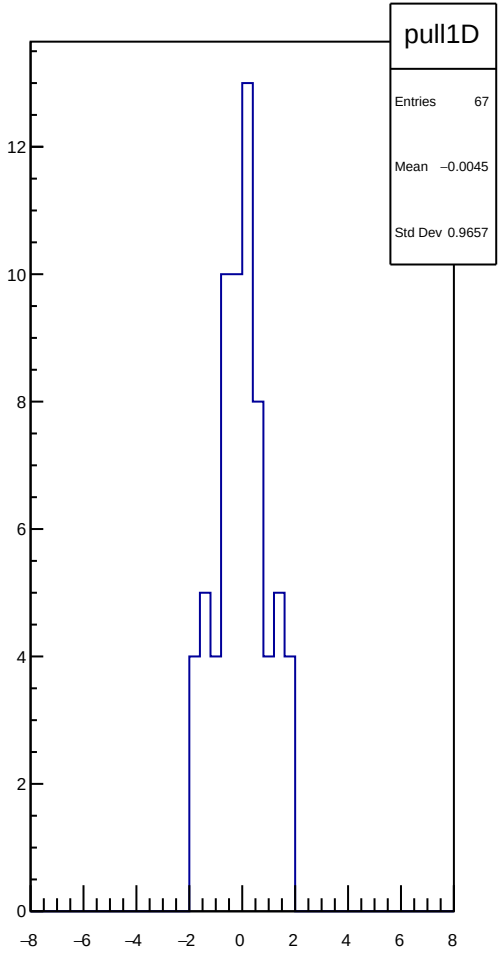

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.34 / 66
p0 −0.06197 ± 0.0681
pull
Entries 67
Mean −281.4
Std Dev 317.4

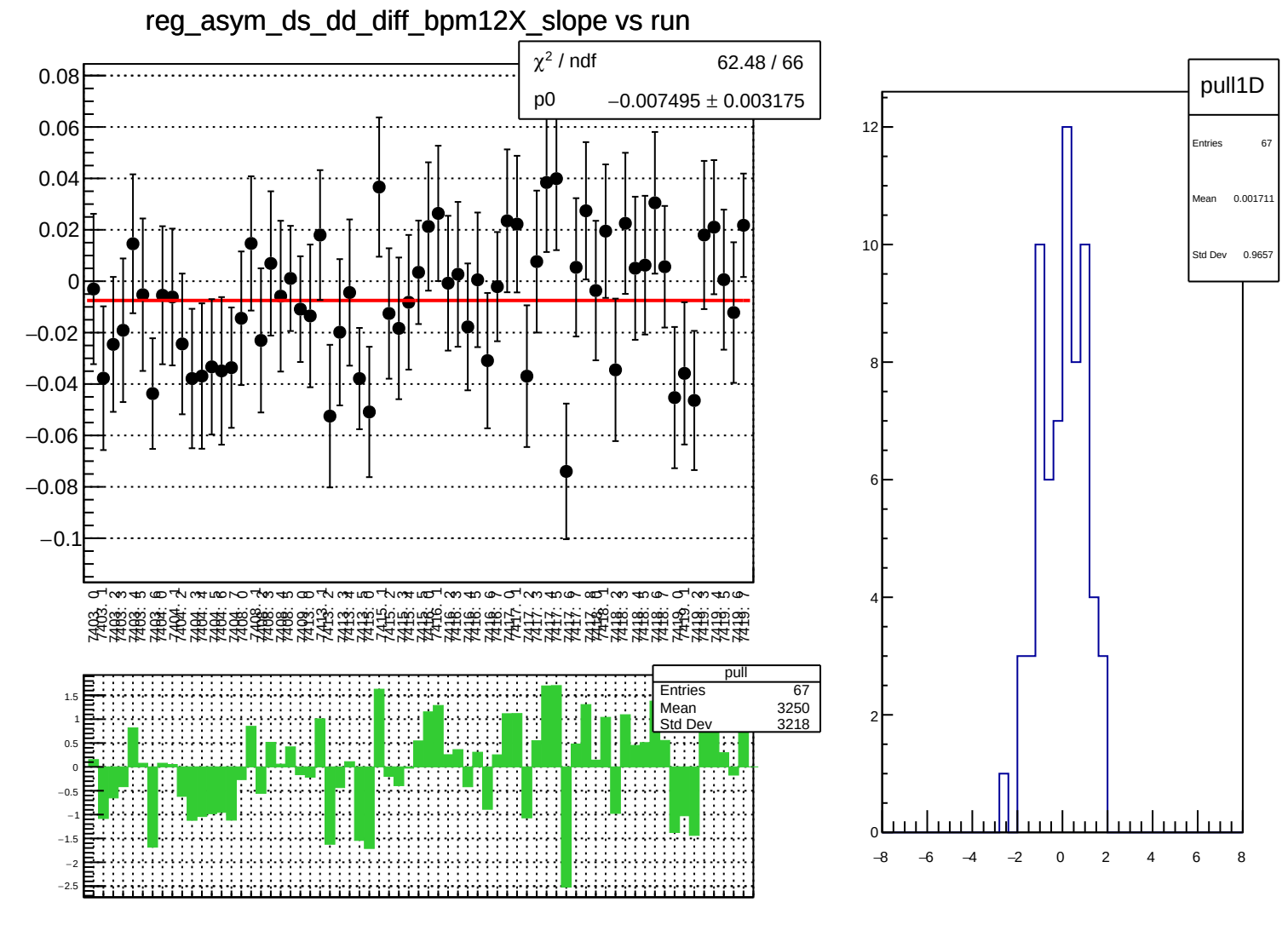

pull1D
Entries 67
Mean 0.009764
Std Dev 0.9567

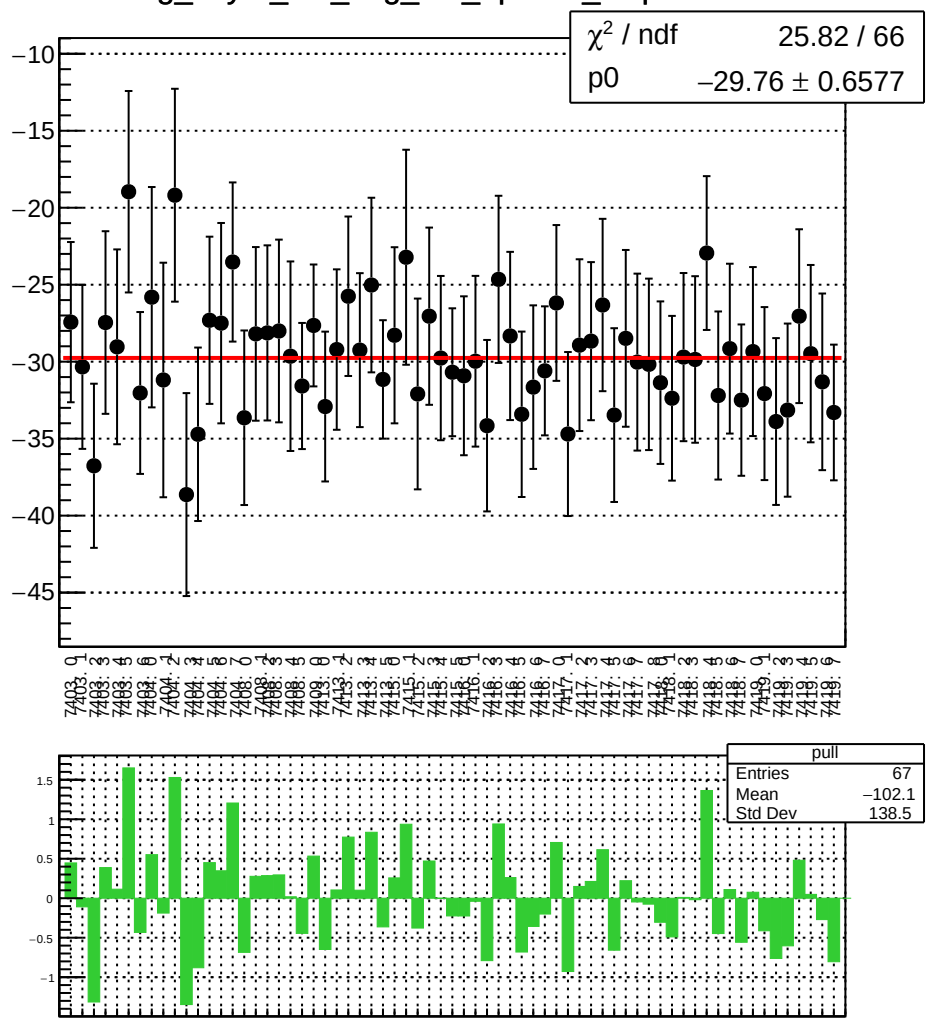

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.89 / 66
p0 0.1316 ± 0.06957
pull
Entries 67
Mean −146
Std Dev 173.6

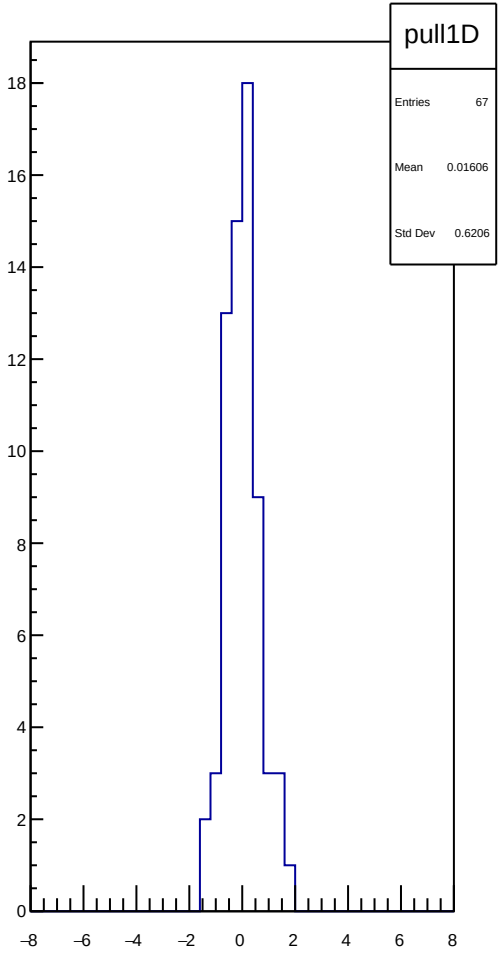

pull1D
Entries 67
Mean −0.01316
Std Dev 1.145

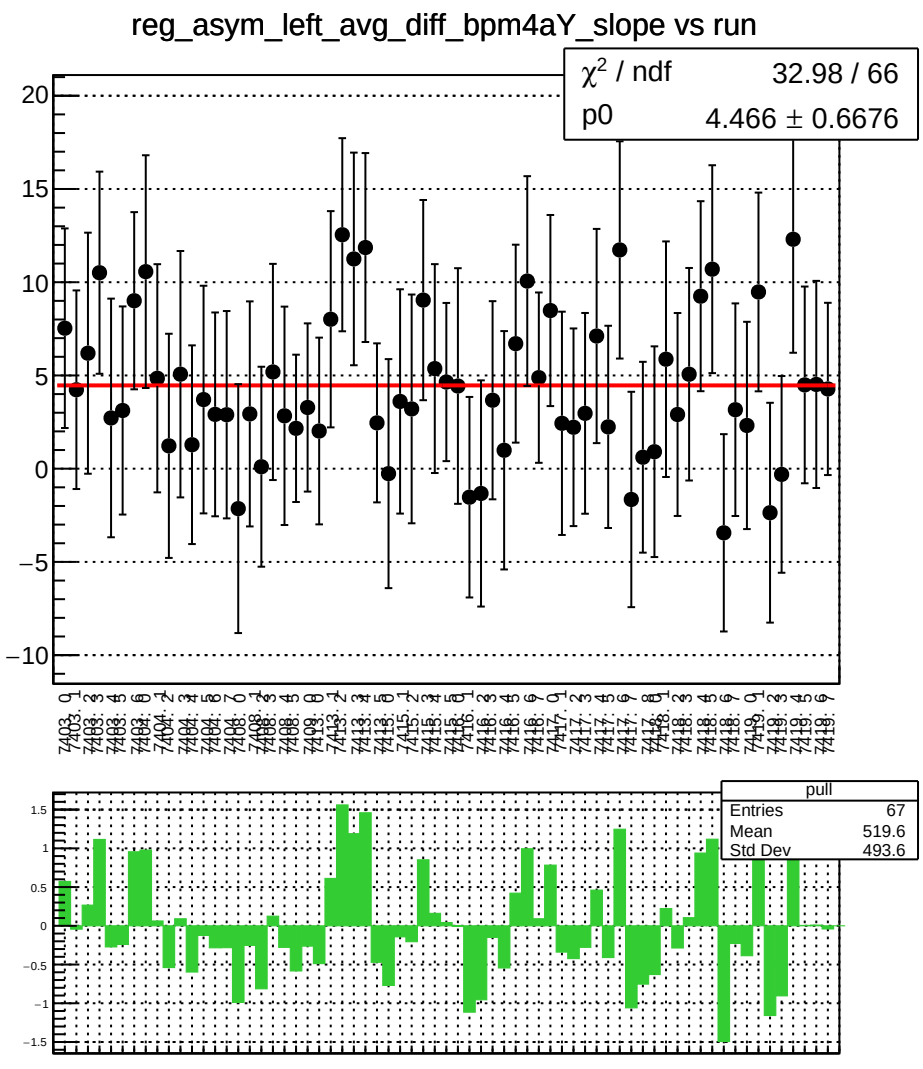

reg_asym_ds_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 62.48 / 66
p0 0.07426 ± 0.07196
pull
Entries 67
Mean −684.2
Std Dev 719.9

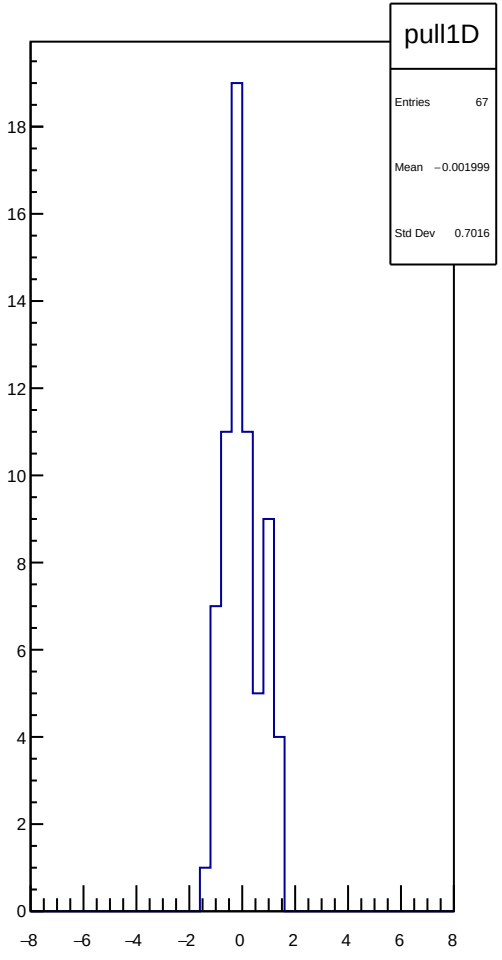

pull1D
Entries 67
Mean −0.0045
Std Dev 0.9657

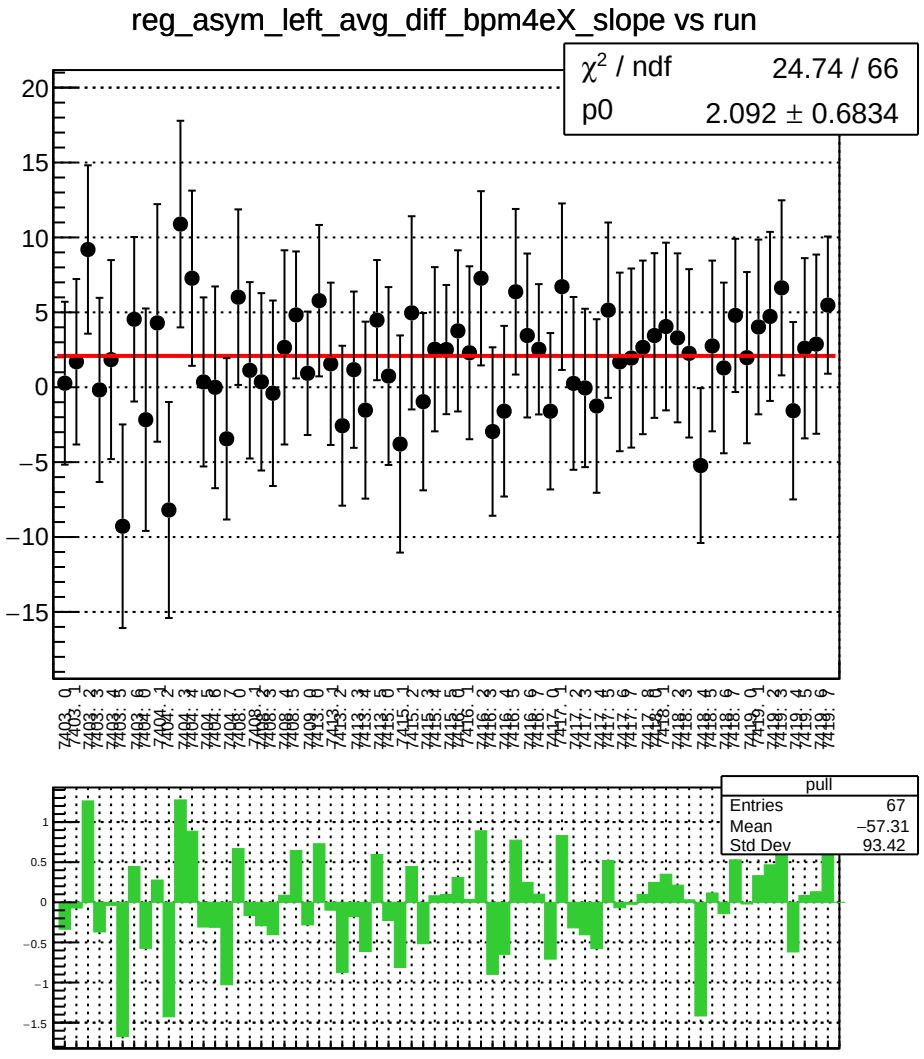

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 62.48 / 66
p0 −0.007495 ± 0.003175
pull
Entries 67
Mean 3250
Std Dev 3218
pull1D
Entries 67
Mean 0.001711
Std Dev 0.9657

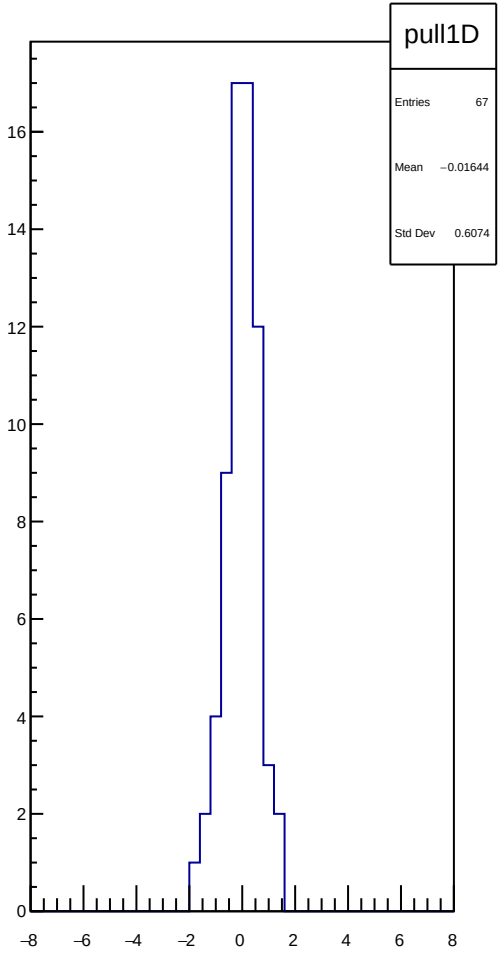

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 25.82 / 66
p0 −29.76 ± 0.6577
pull
Entries 67
Mean −102.1
Std Dev 138.5

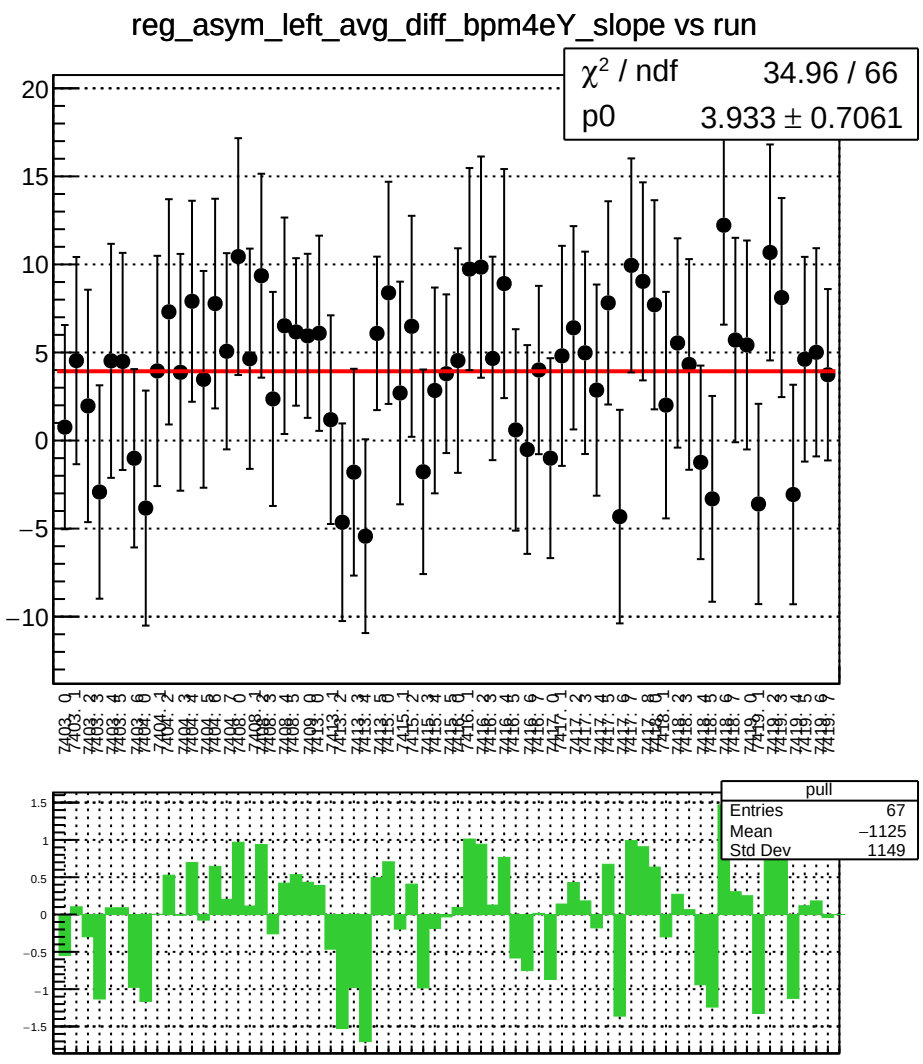

pull1D
Entries 67
Mean 0.01606
Std Dev 0.6206

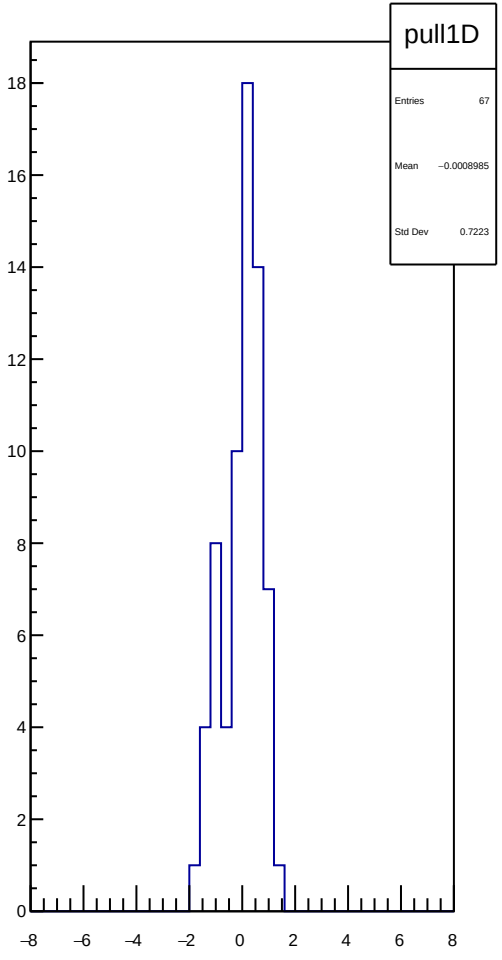

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.98 / 66
p0 4.466 ± 0.6676
pull
Entries 67
Mean 519.6
Std Dev 493.6

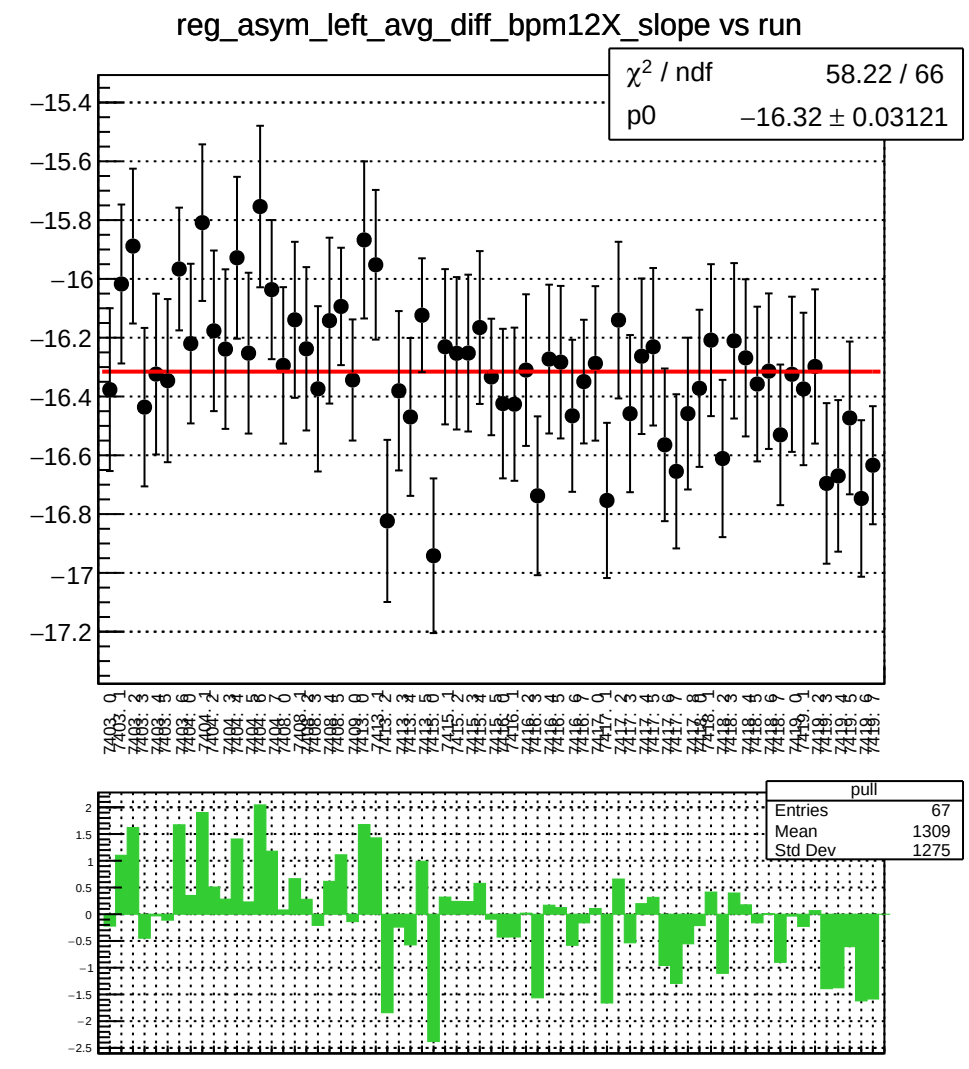

pull1D
Entries 67
Mean −0.001999
Std Dev 0.7016

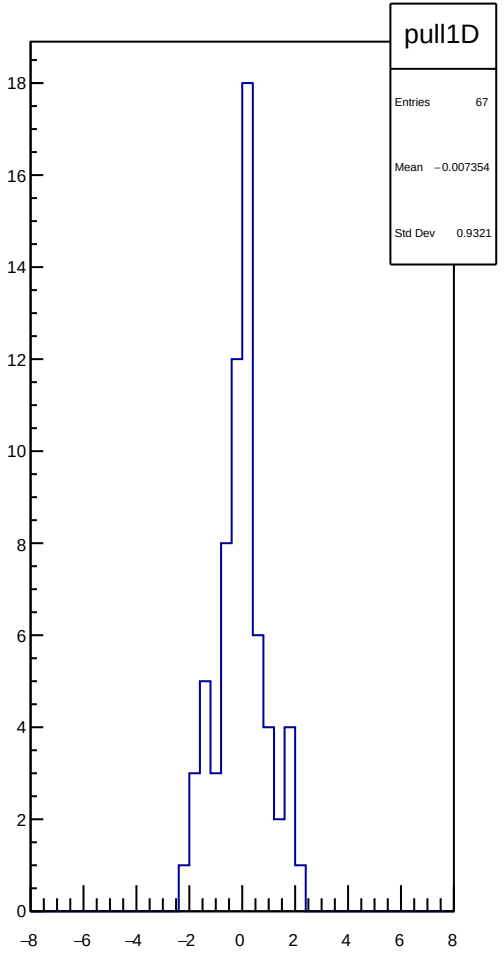

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.74 / 66
p0 2.092 ± 0.6834
pull
Entries 67
Mean −57.31
Std Dev 93.42

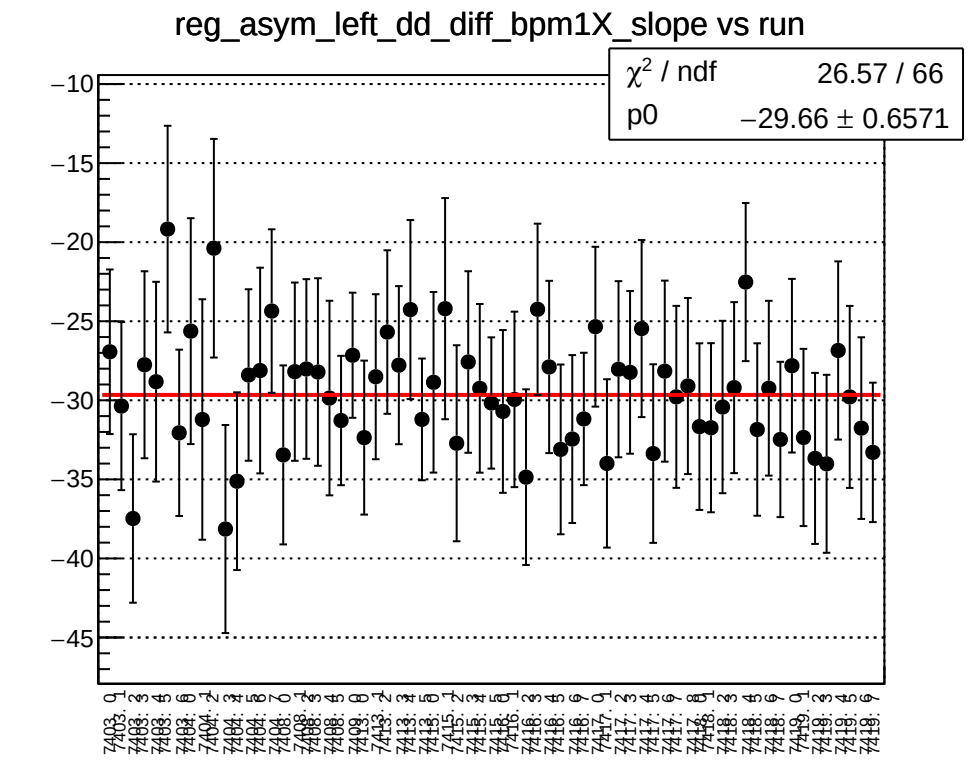

pull1D
Entries 67
Mean −0.01644
Std Dev 0.6074

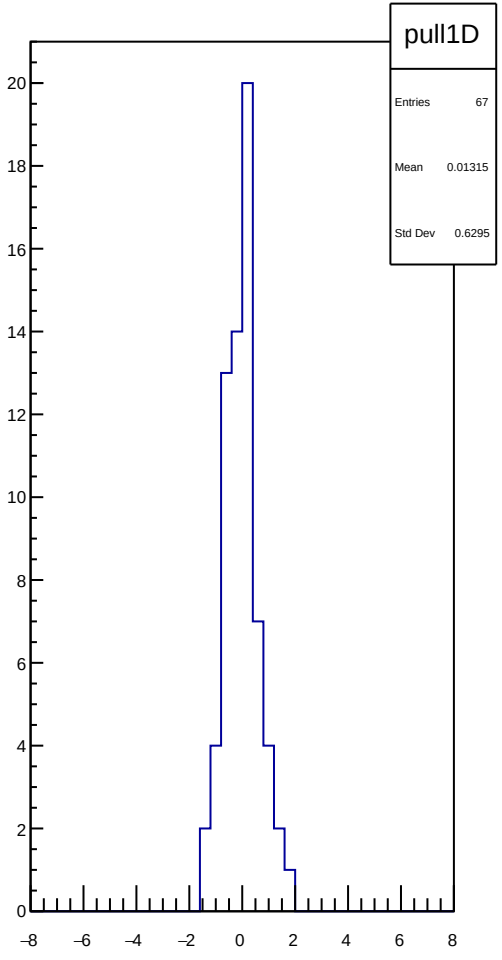

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.96 / 66
p0 3.933 ± 0.7061
pull
Entries 67
Mean −1125
Std Dev 1149

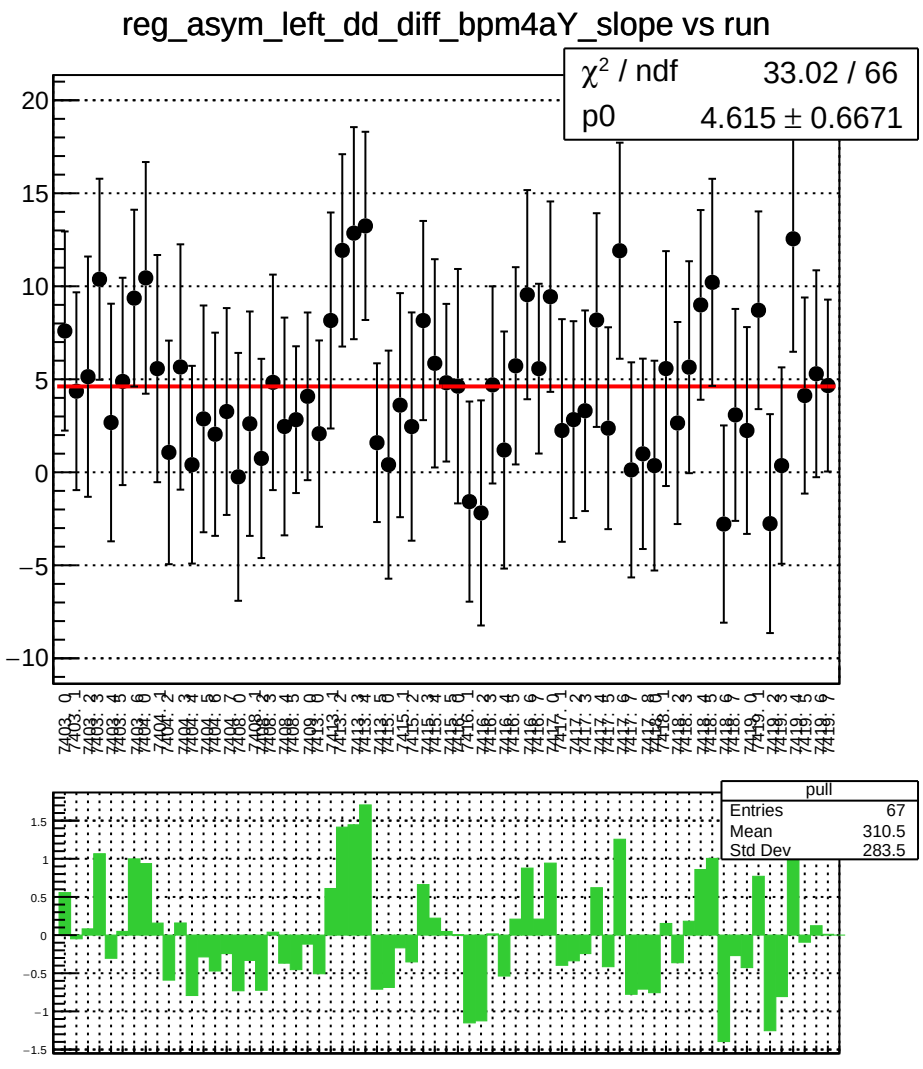

pull1D
Entries 67
Mean −0.0008985
Std Dev 0.7223

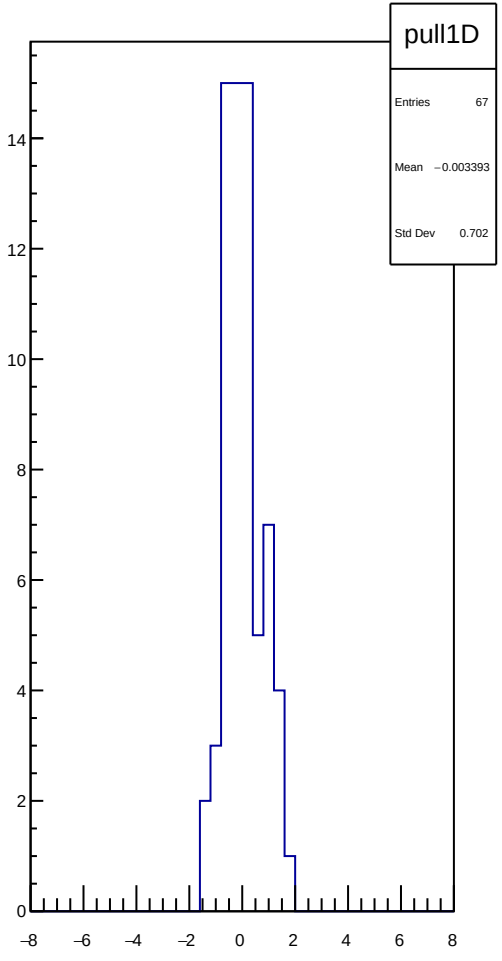

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 58.22 / 66
p0 −16.32 ± 0.03121
pull
Entries 67
Mean 1309
Std Dev 1275

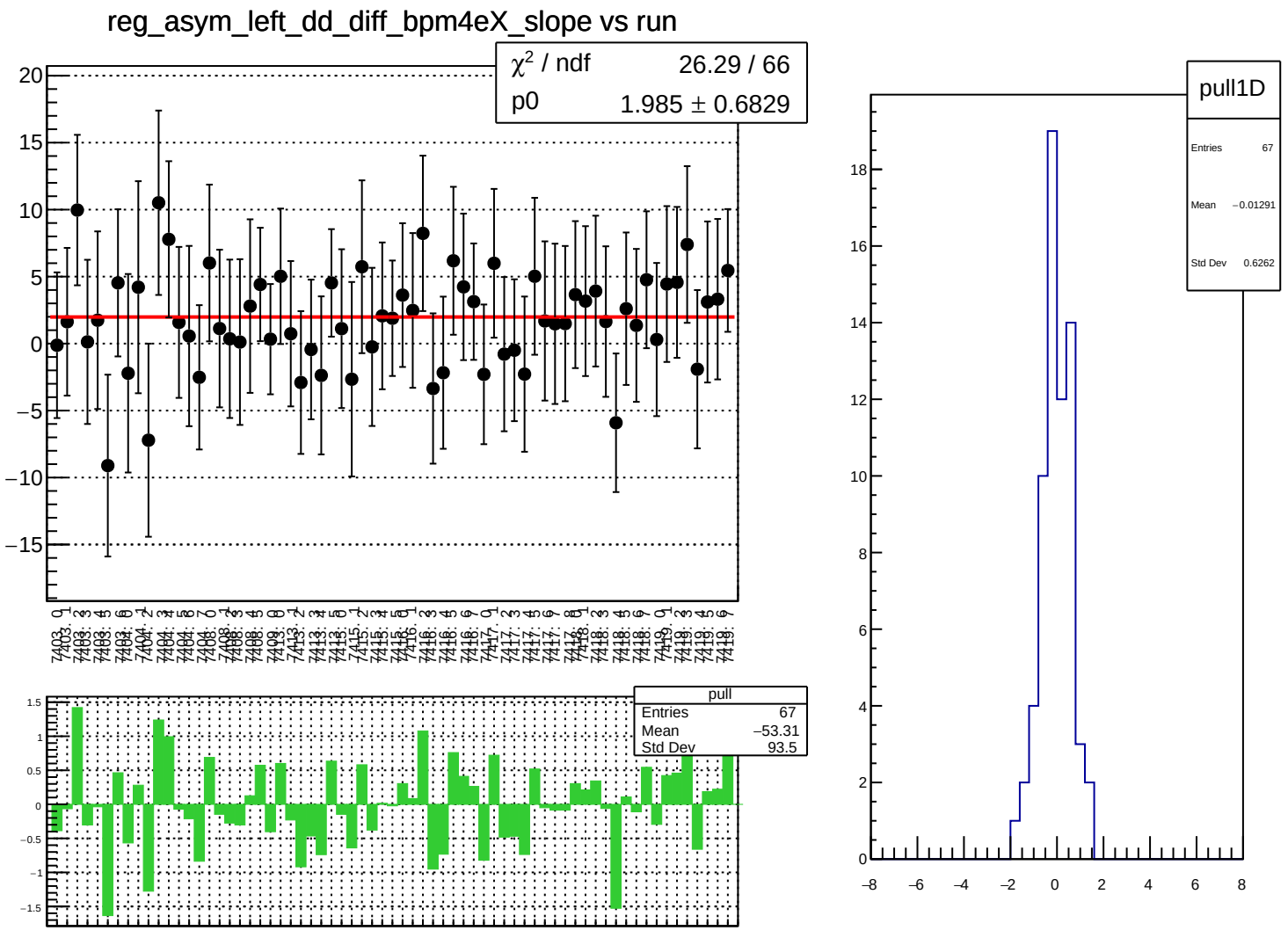

pull1D
Entries 67
Mean −0.007354
Std Dev 0.9321

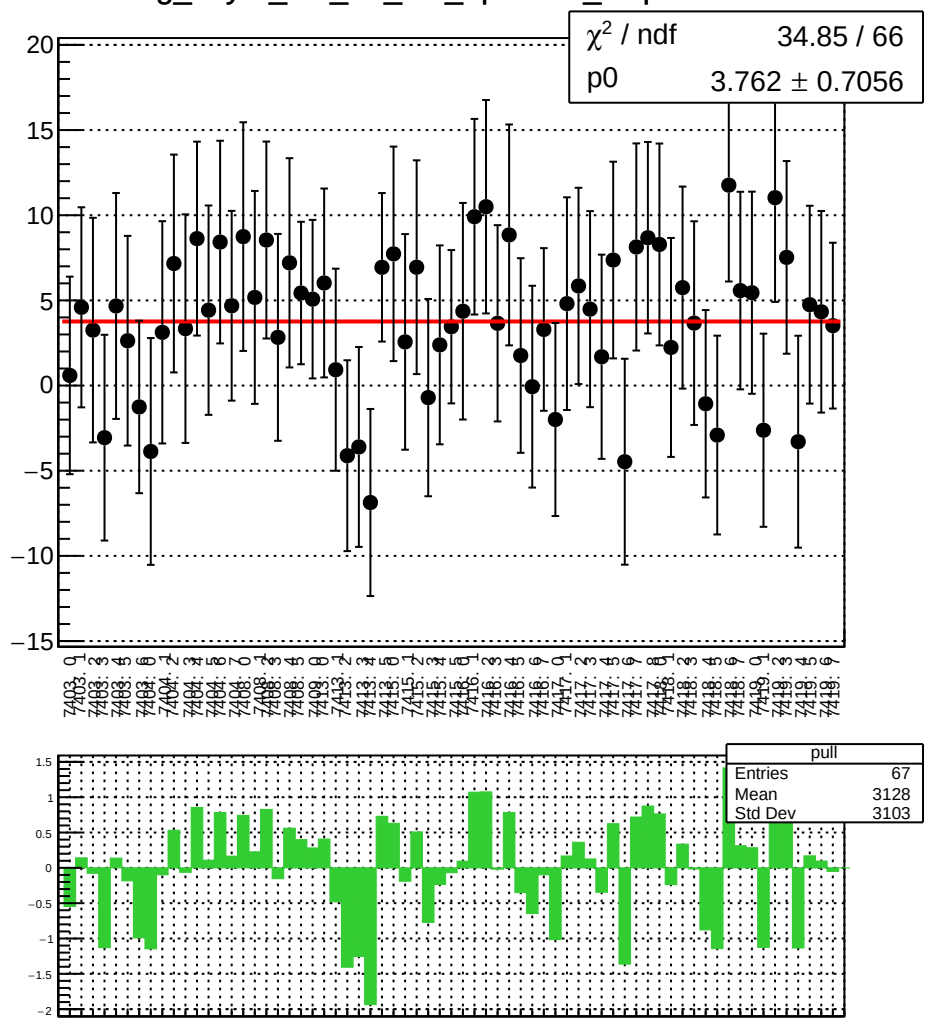

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 26.57 / 66
p0 −29.66 ± 0.6571
pull
Entries 67
Mean −106.5
Std Dev 145.3

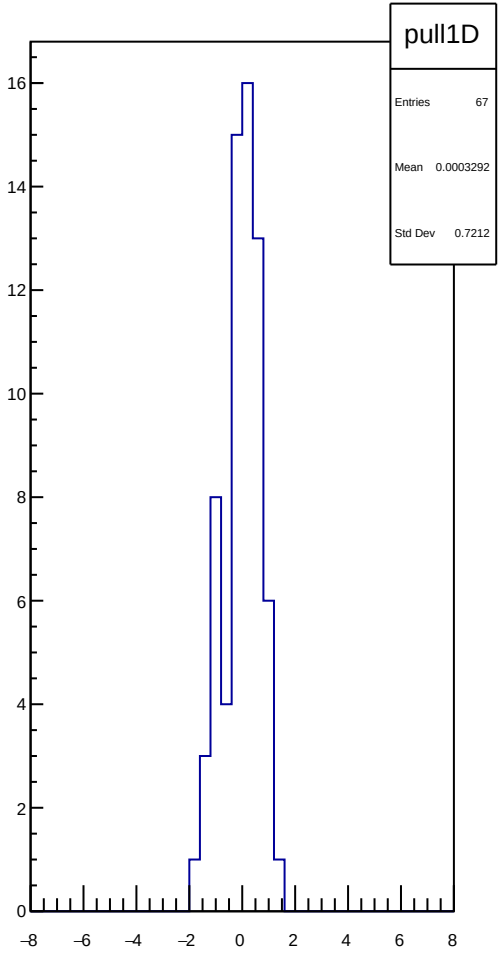

pull1D
Entries 67
Mean 0.01315
Std Dev 0.6295

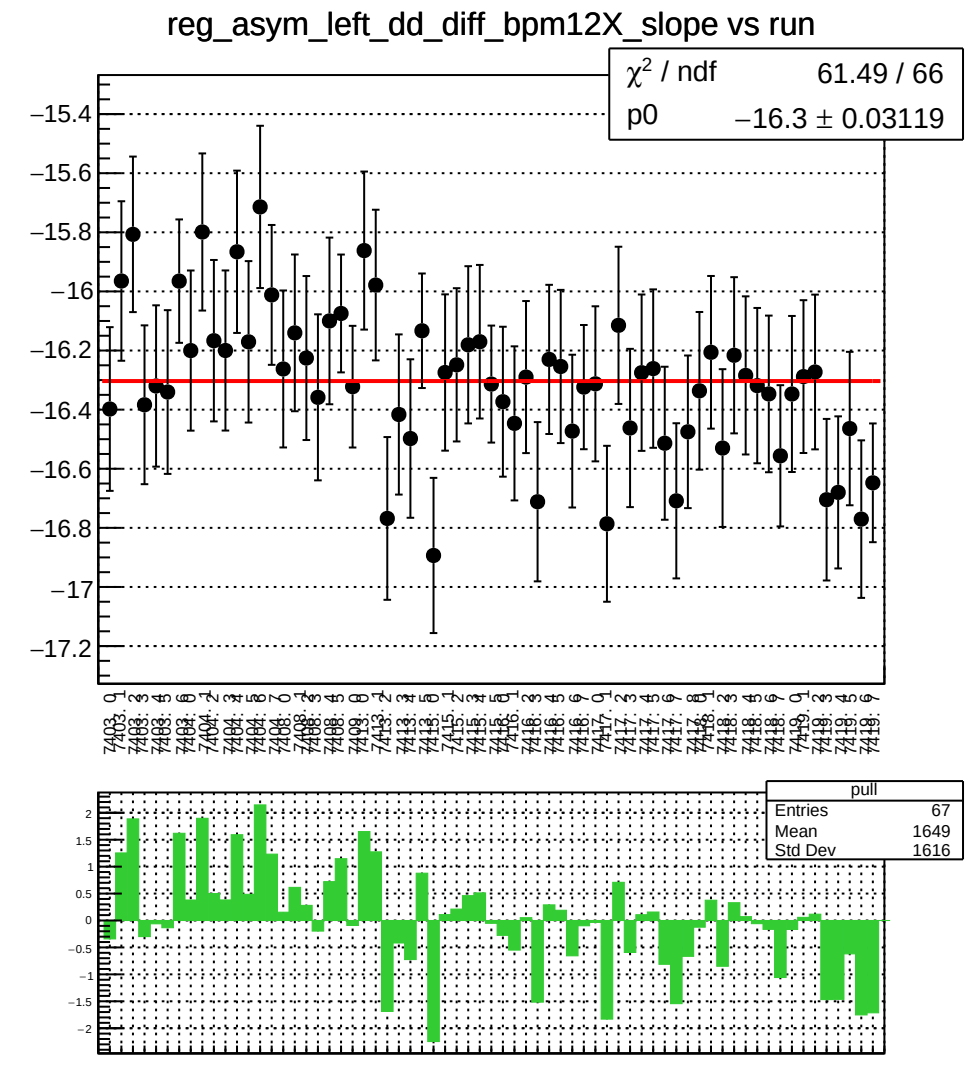

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.02 / 66
p0 4.615 ± 0.6671
pull
Entries 67
Mean 310.5
Std Dev 283.5

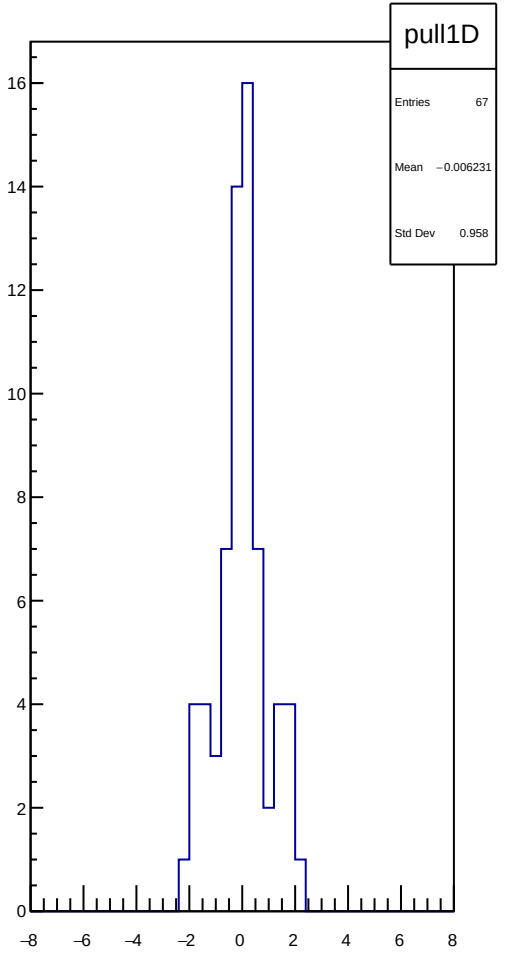

pull1D
Entries 67
Mean −0.003393
Std Dev 0.702

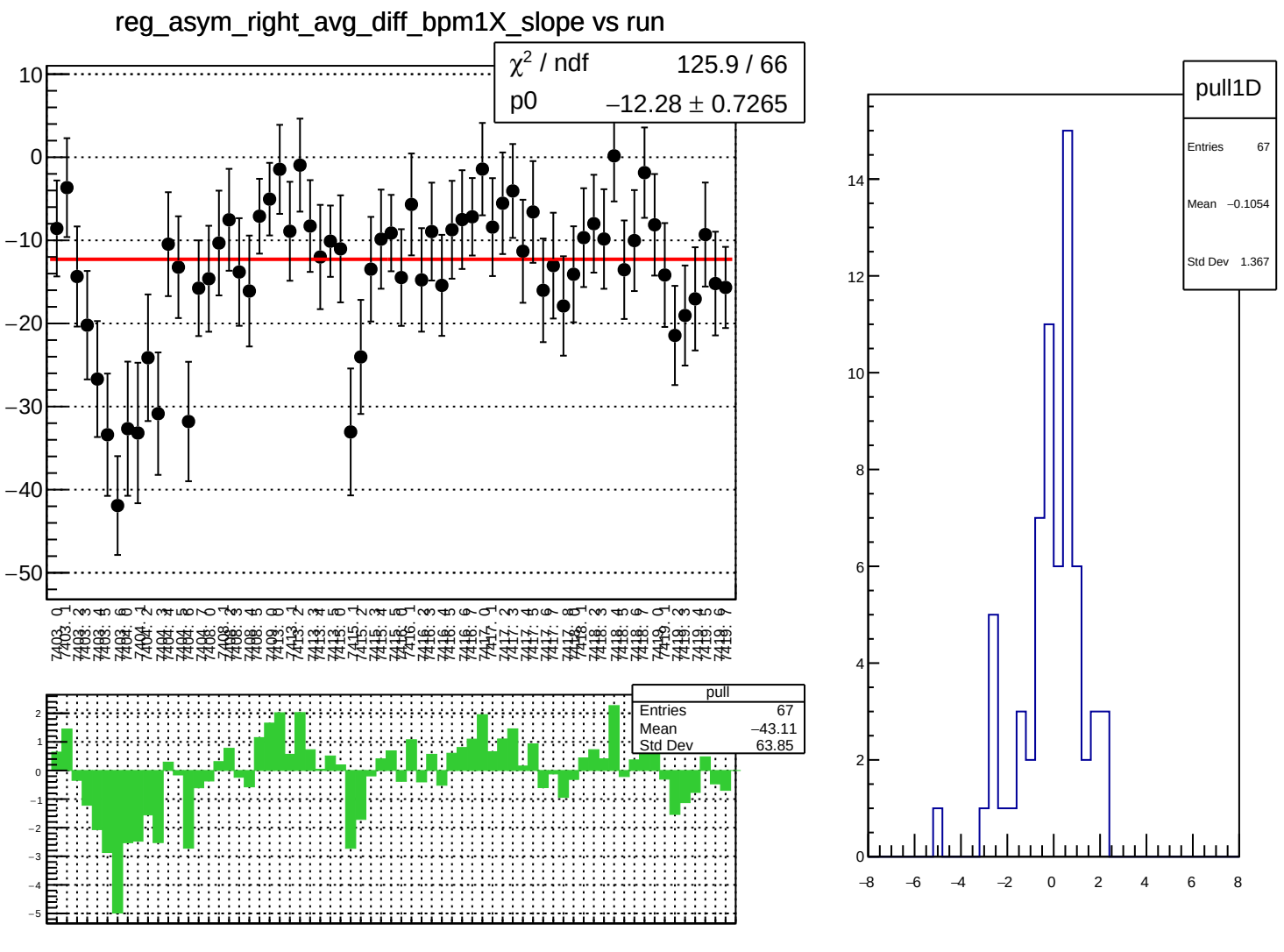

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.29 / 66
p0 1.985 ± 0.6829
pull
Entries 67
Mean −53.31
Std Dev 93.5
pull1D
Entries 67
Mean −0.01291
Std Dev 0.6262

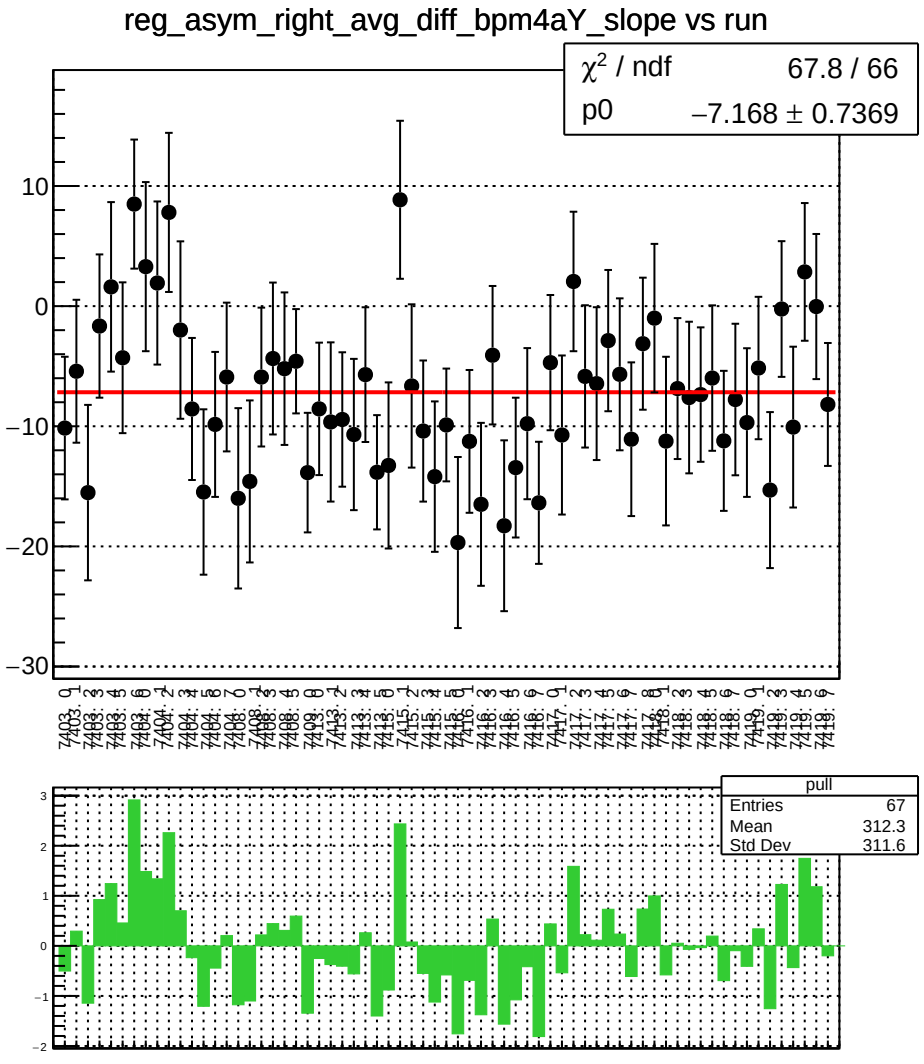

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.85 / 66
p0 3.762 ± 0.7056
pull
Entries 67
Mean 3128
Std Dev 3103

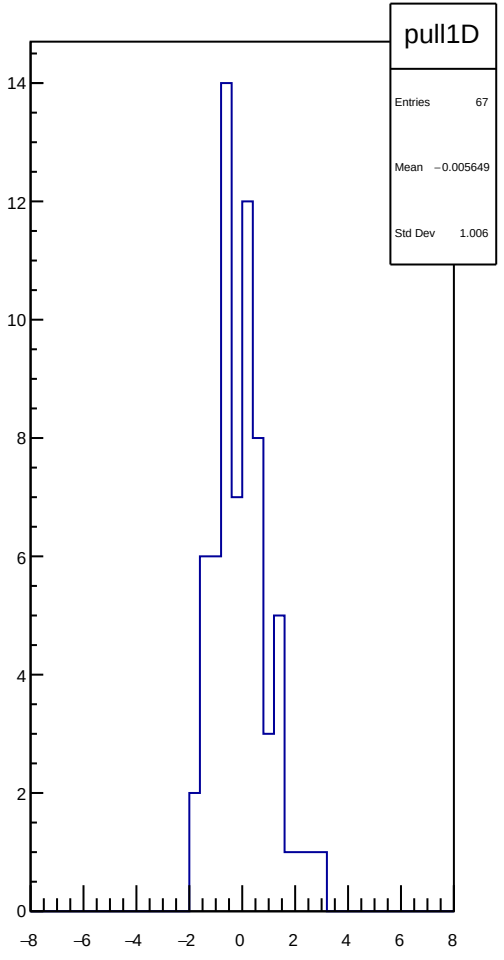

pull1D
Entries 67
Mean 0.0003292
Std Dev 0.7212

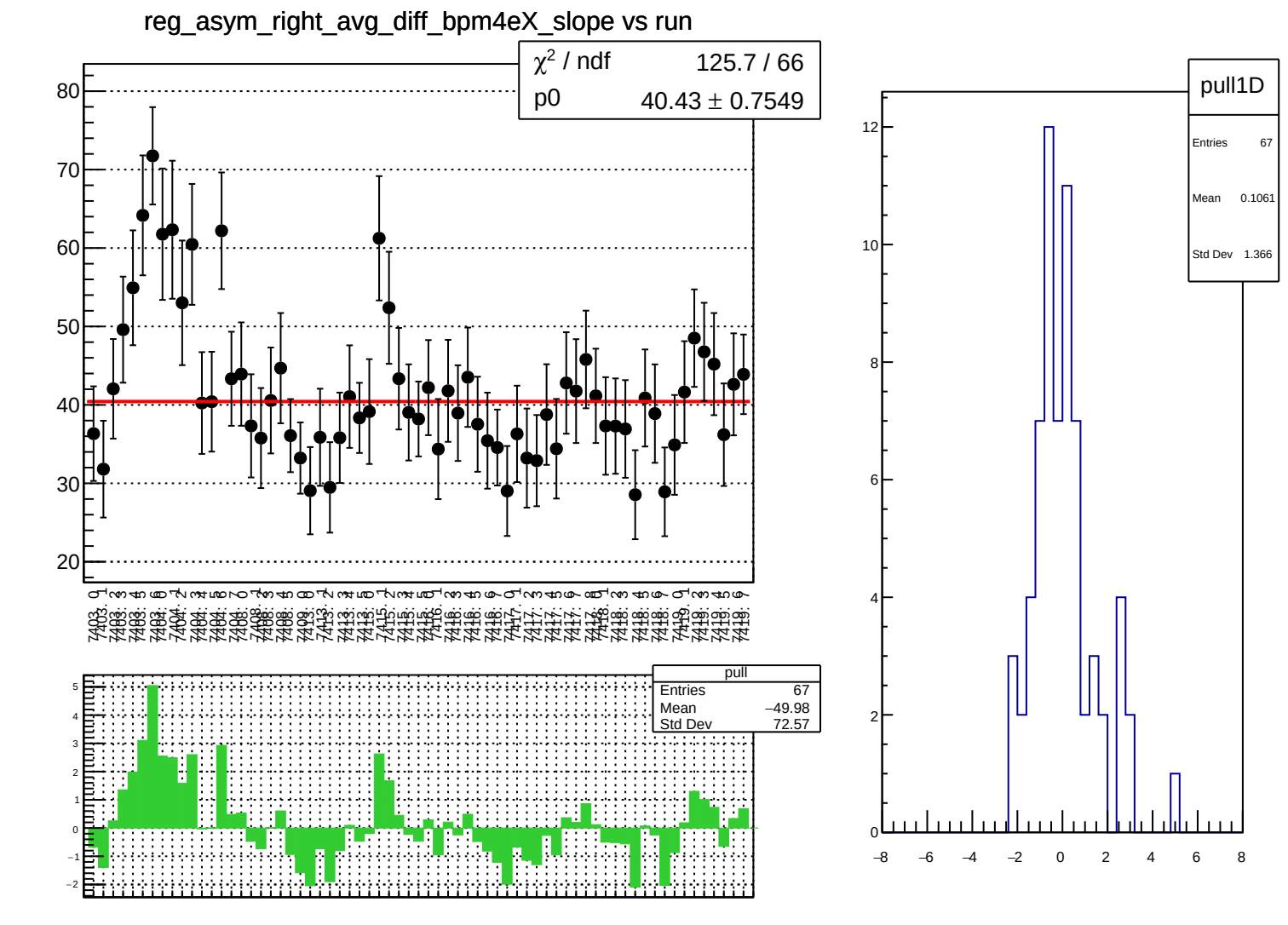

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 61.49 / 66
p0 −16.3 ± 0.03119
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
−17.2
pull
Entries 67
Mean 1649
Std Dev 1616
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

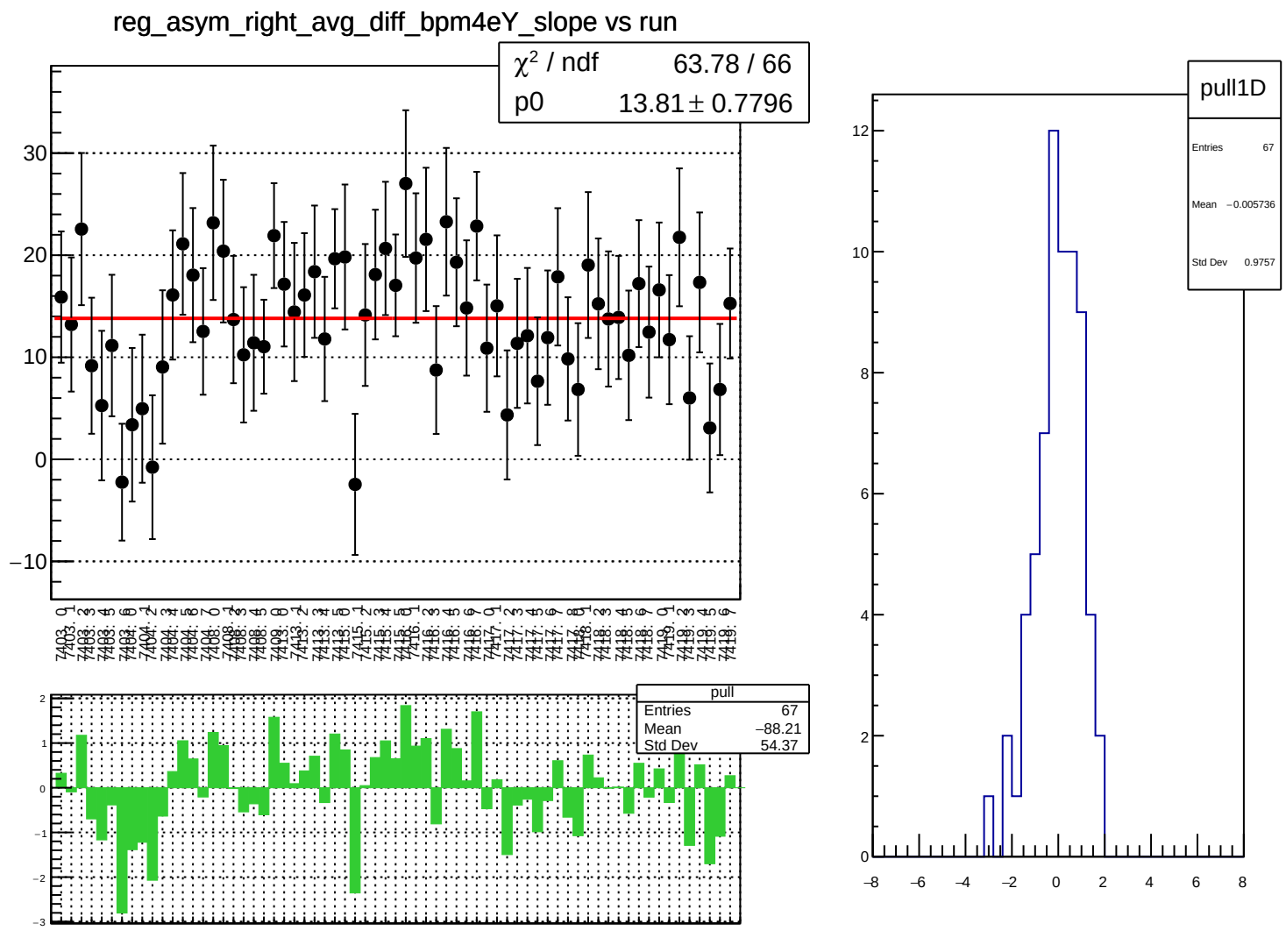

pull1D
Entries 67
Mean −0.006231
Std Dev 0.958
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

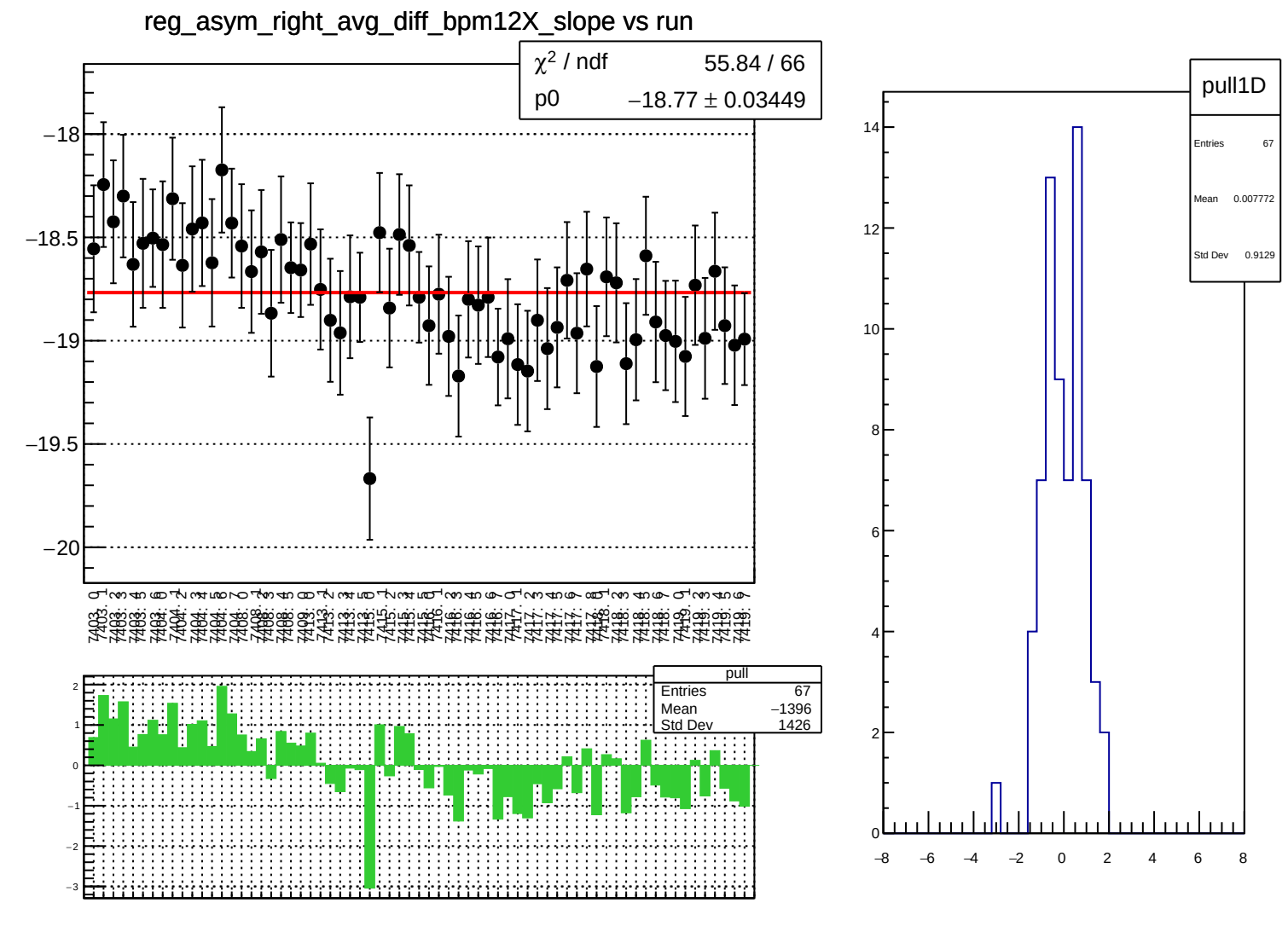

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 125.9 / 66
p0 −12.28 ± 0.7265
pull
Entries 67
Mean −43.11
Std Dev 63.85
pull1D
Entries 67
Mean −0.1054
Std Dev 1.367

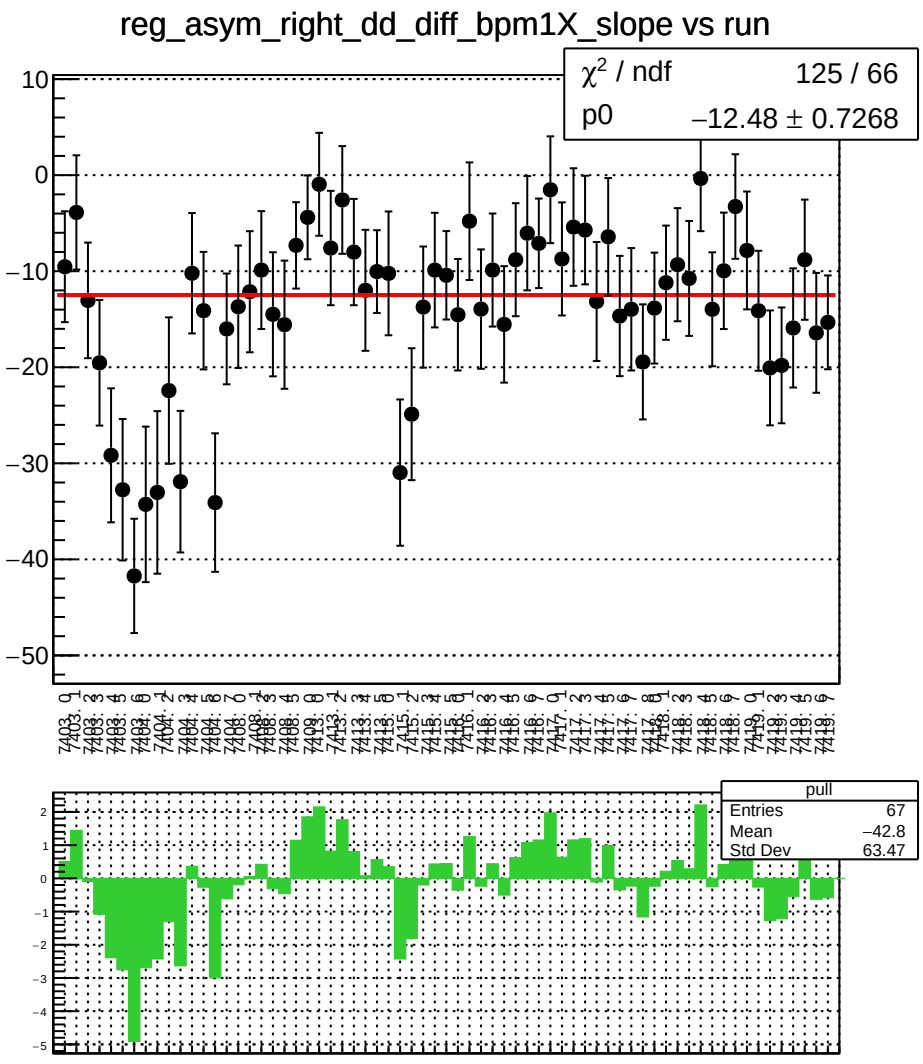

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.8 / 66
p0 −7.168 ± 0.7369
pull
Entries 67
Mean 312.3
Std Dev 311.6

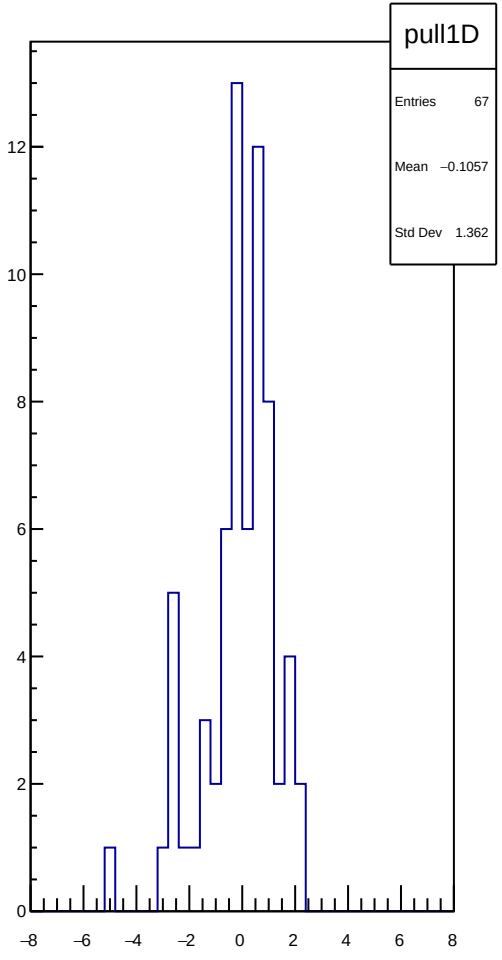

pull1D
Entries 67
Mean −0.005649
Std Dev 1.006

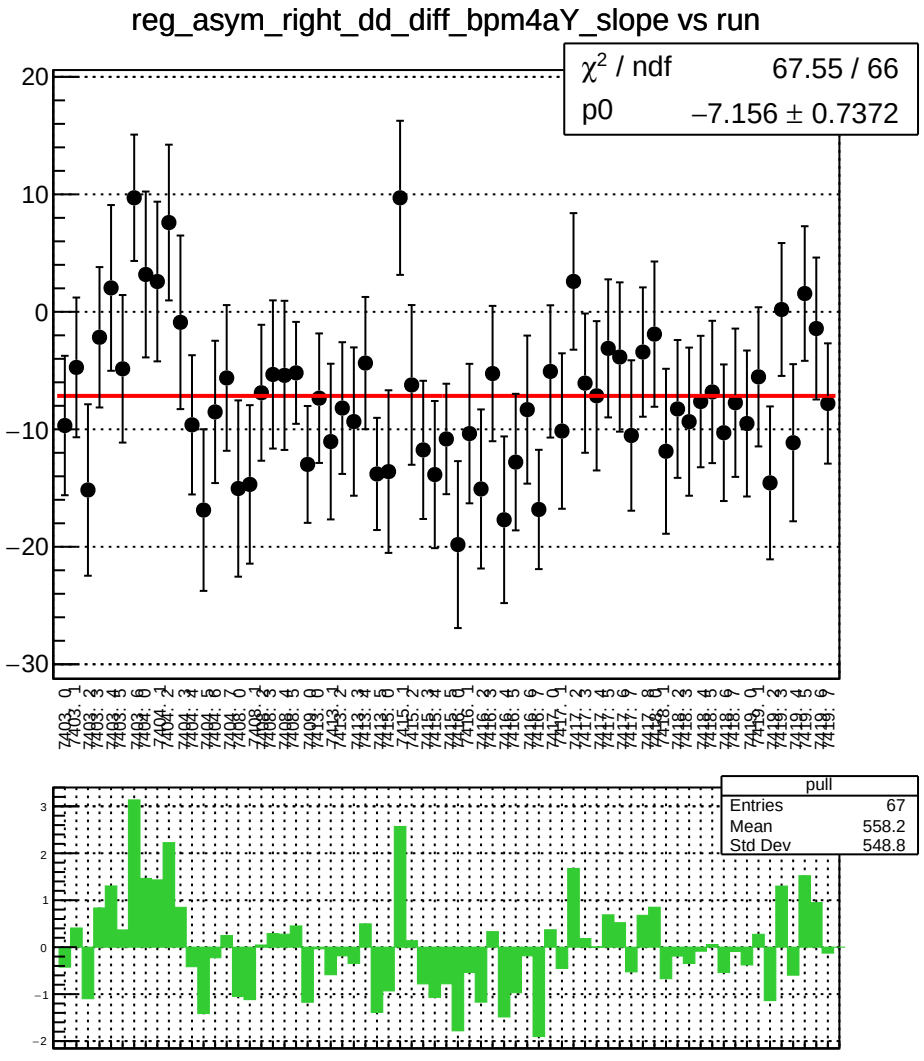

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 125.7 / 66
p0 40.43 ± 0.7549
pull
Entries 67
Mean −49.98
Std Dev 72.57
pull1D
Entries 67
Mean 0.1061
Std Dev 1.366

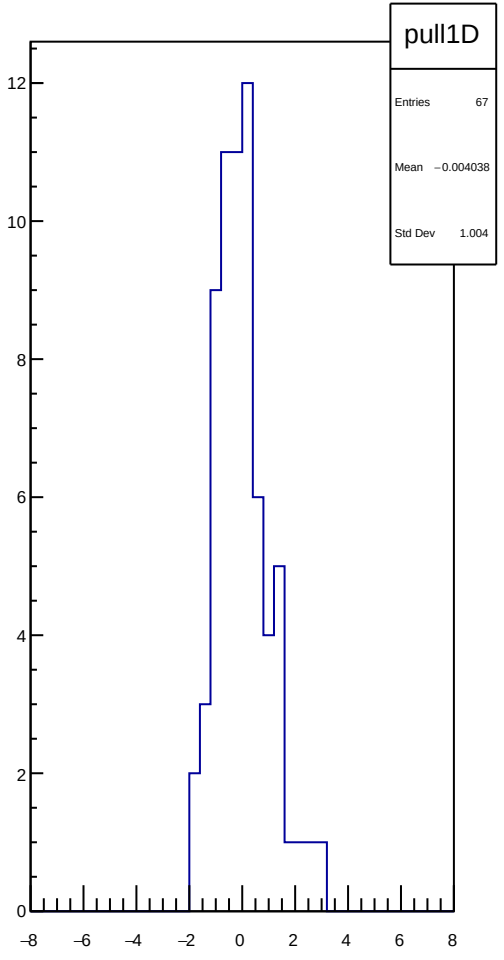

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 63.78 / 66
p0 13.81 ± 0.7796
pull
Entries 67
Mean −88.21
Std Dev 54.37
pull1D
Entries 67
Mean −0.005736
Std Dev 0.9757

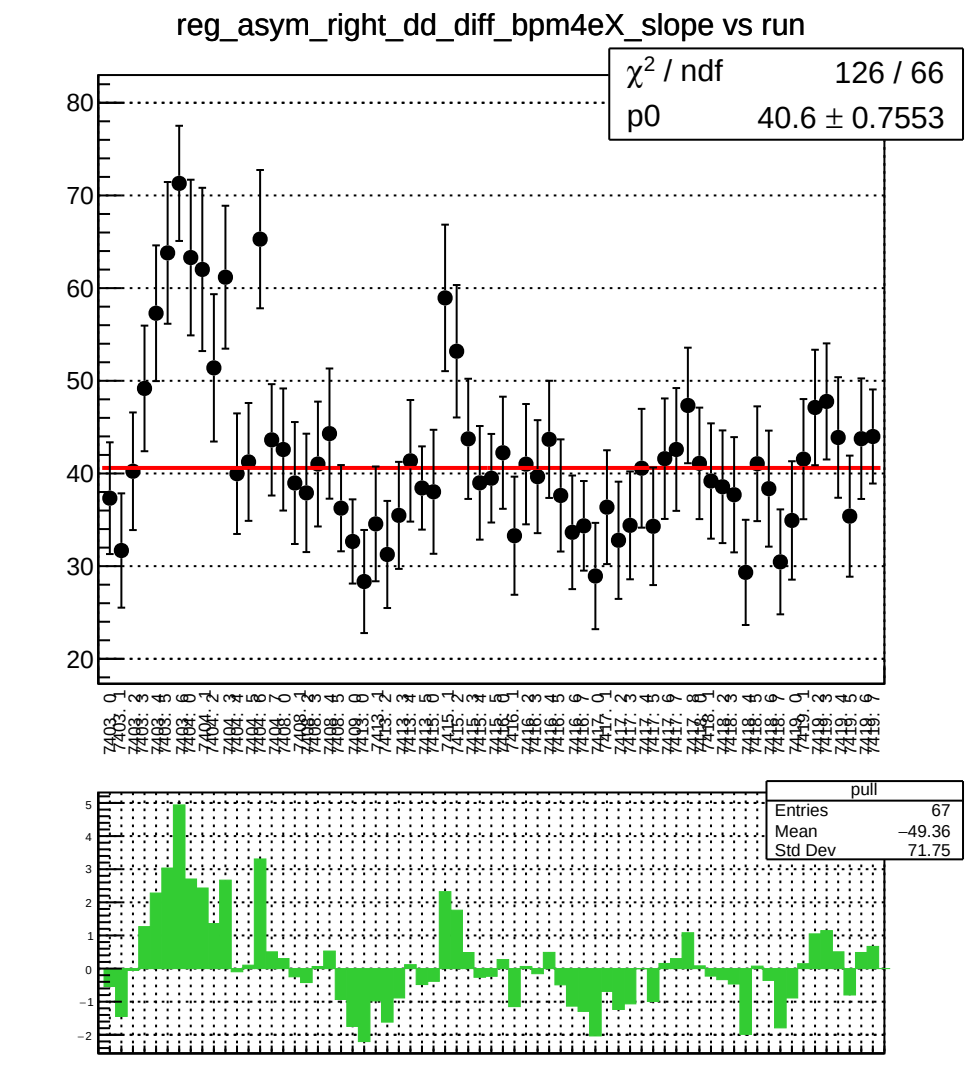

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 55.84 / 66
p0 −18.77 ± 0.03449
−18
−18.5
−19
−19.5
−20
pull
Entries 67
Mean −1396
Std Dev 1426
pull1D
Entries 67
Mean 0.007772
Std Dev 0.9129

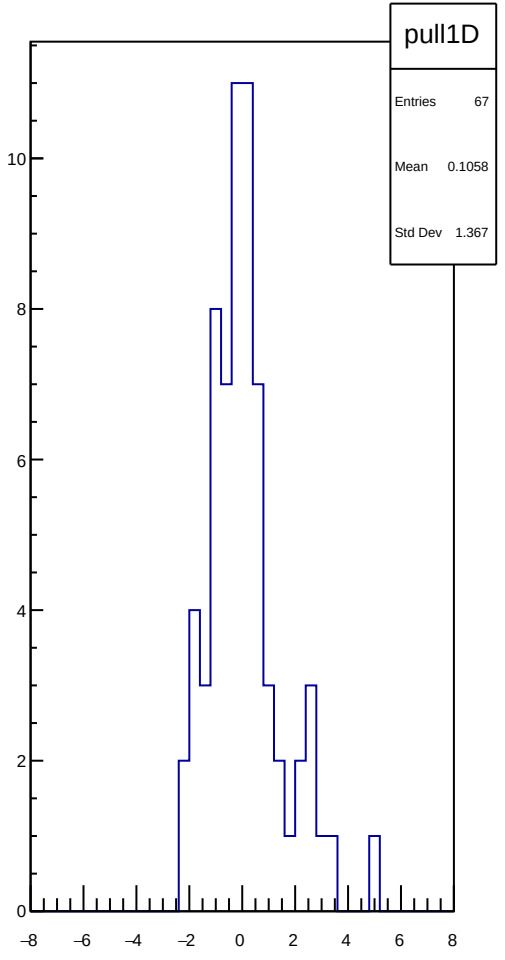

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 125 / 66
p0 −12.48 ± 0.7268
pull
Entries 67
Mean −42.8
Std Dev 63.47

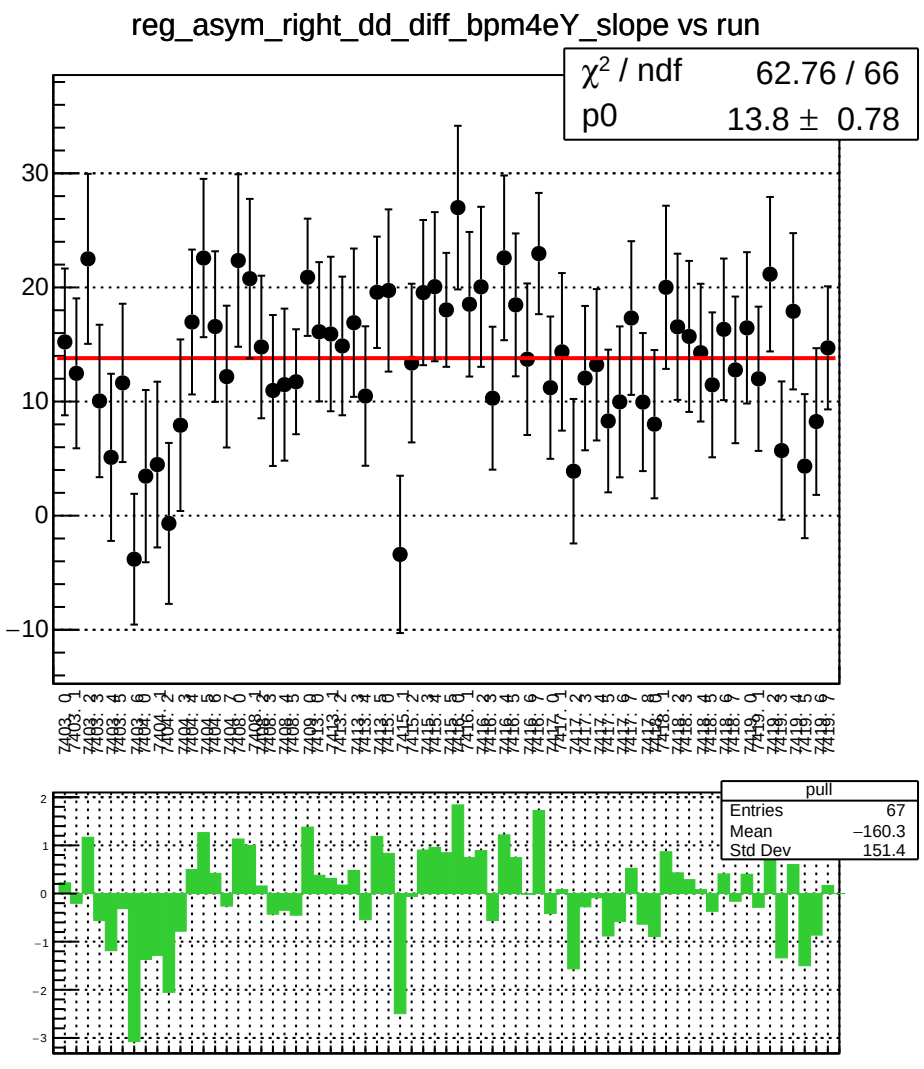

pull1D
Entries 67
Mean −0.1057
Std Dev 1.362

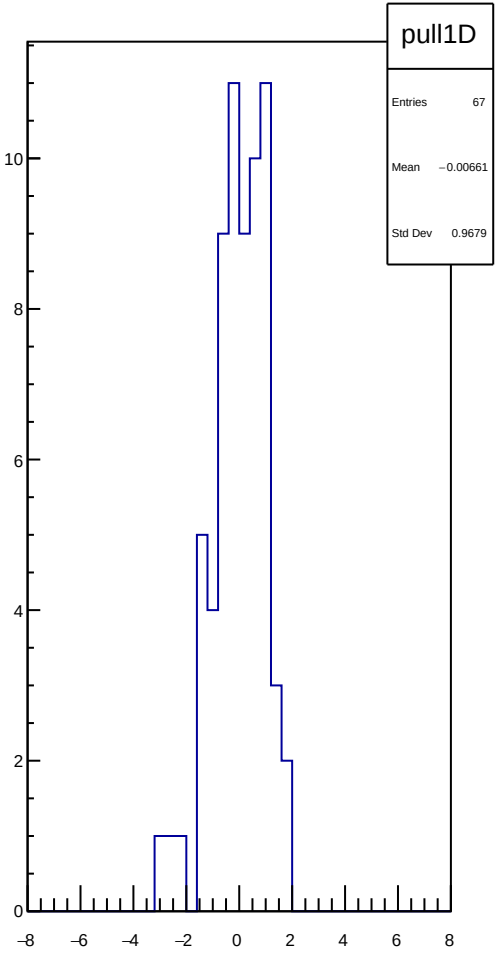

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.55 / 66
p0 −7.156 ± 0.7372
pull
Entries 67
Mean 558.2
Std Dev 548.8

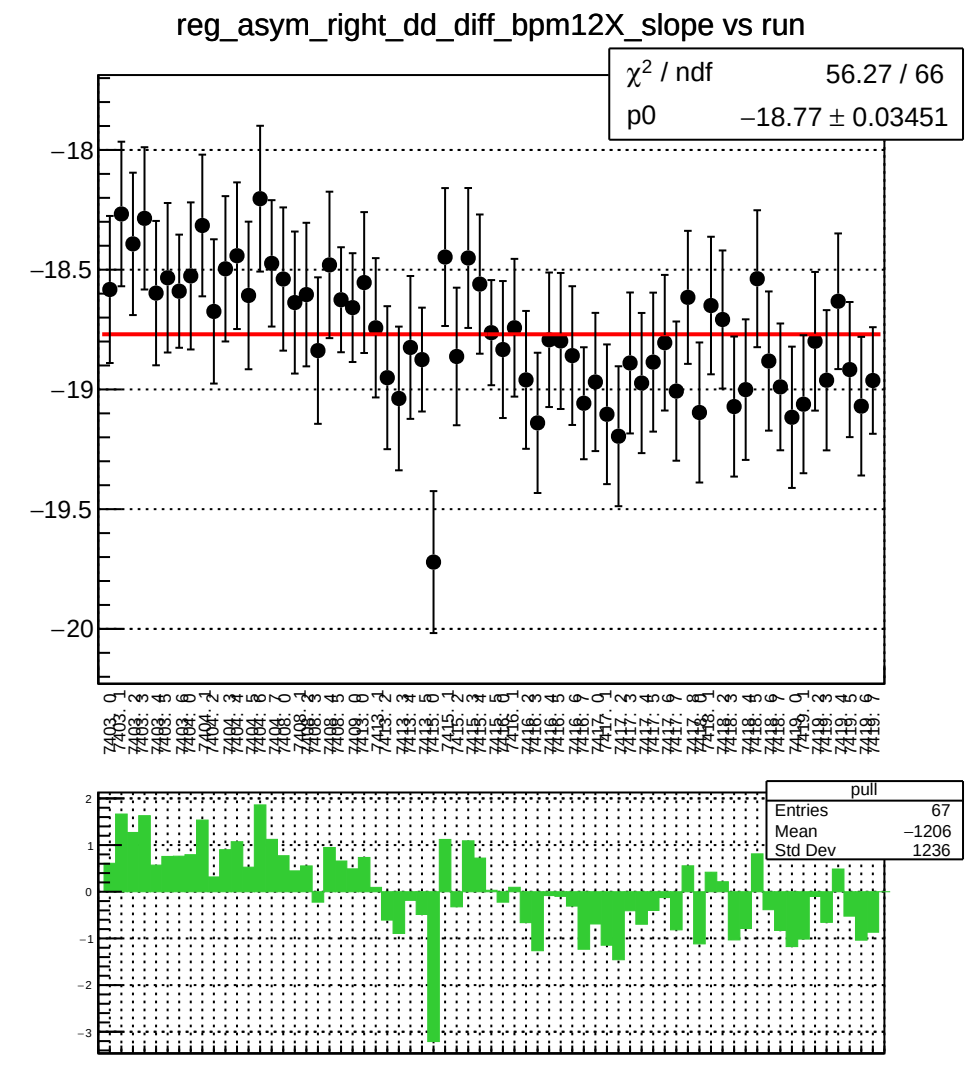

pull1D
Entries 67
Mean −0.004038
Std Dev 1.004

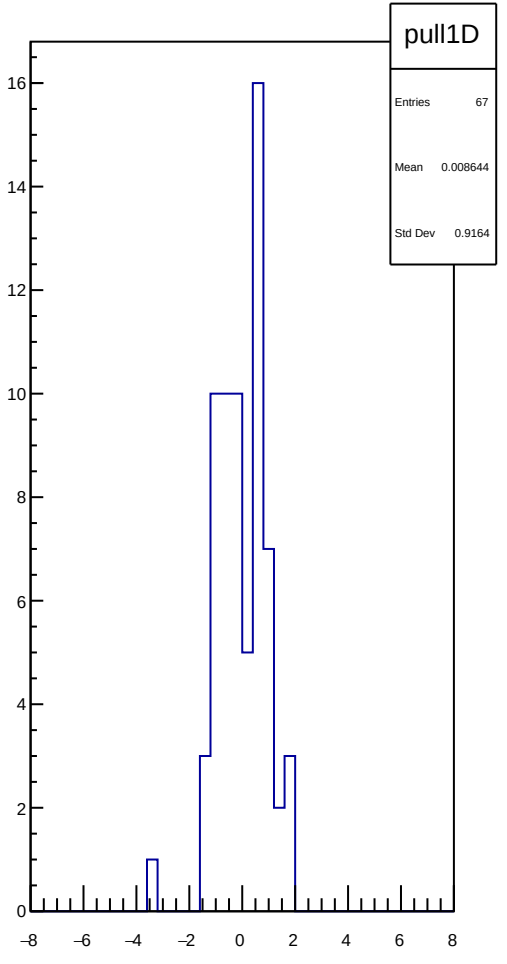

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 126 / 66
p0 40.6 ± 0.7553
pull
Entries 67
Mean −49.36
Std Dev 71.75

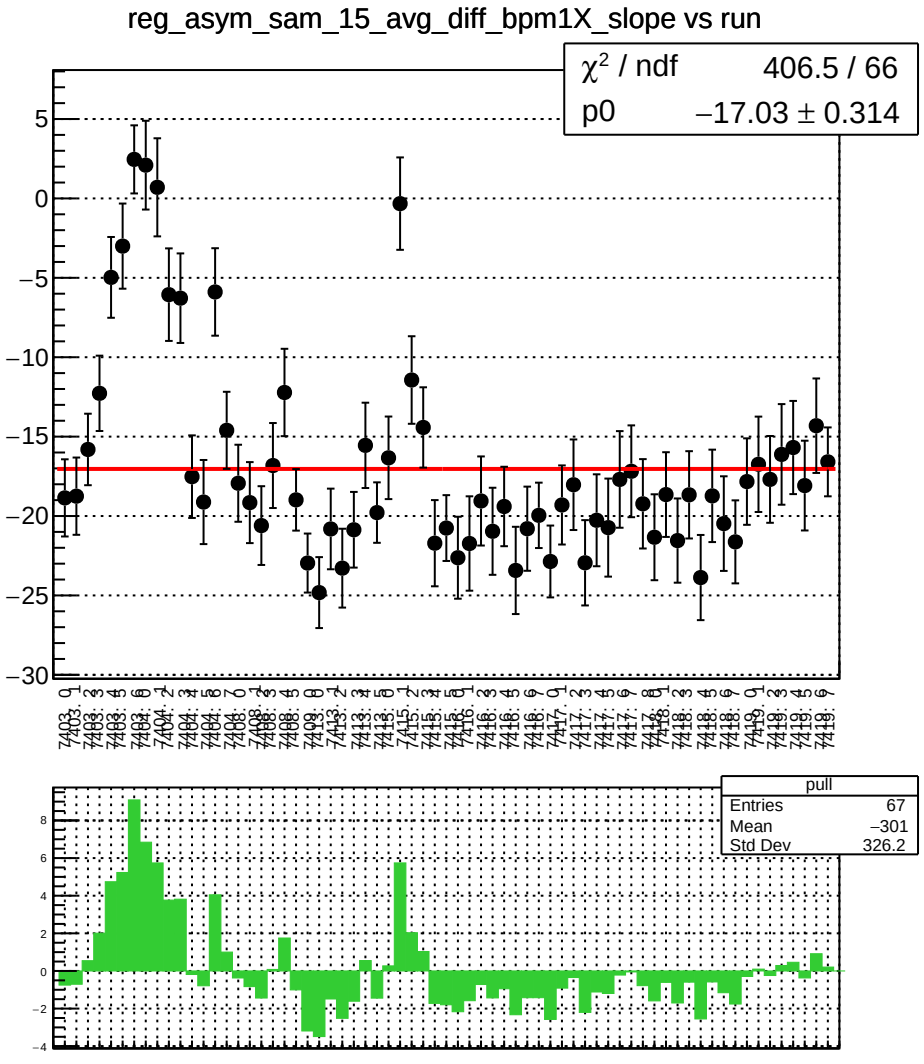

pull1D
Entries 67
Mean 0.1058
Std Dev 1.367

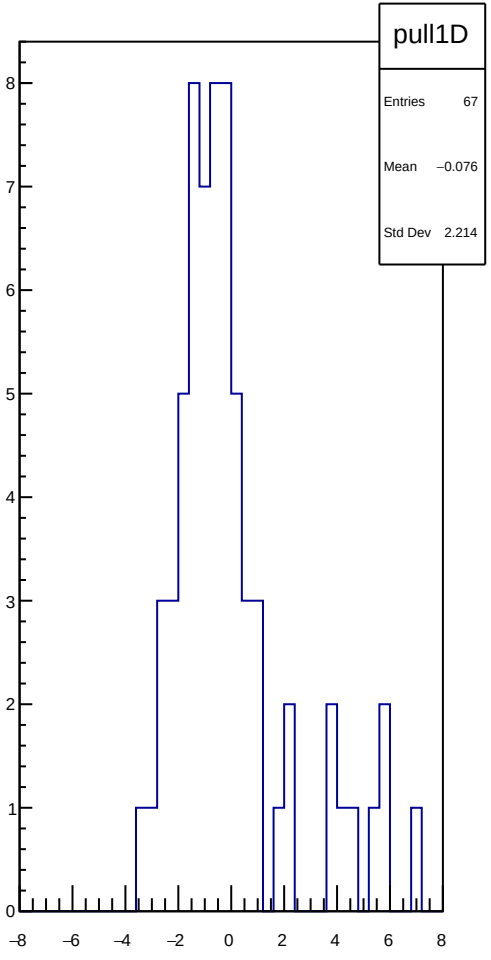

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.76 / 66
p0 13.8 ± 0.78
pull
Entries 67
Mean −160.3
Std Dev 151.4

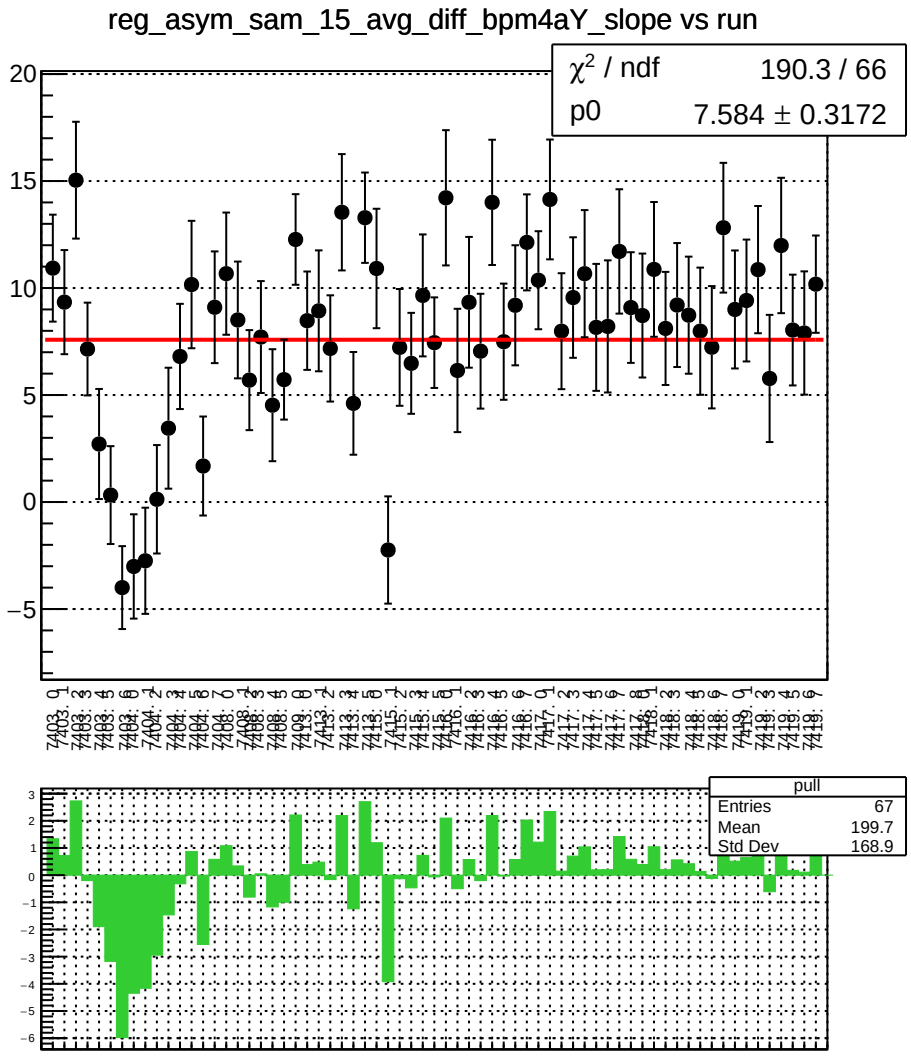

pull1D
Entries 67
Mean −0.00661
Std Dev 0.9679

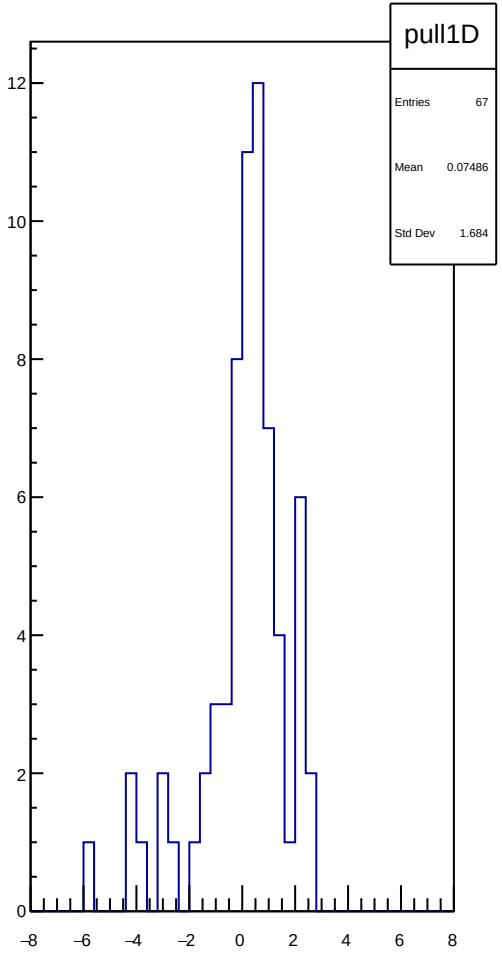

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 56.27 / 66
p0 −18.77 ± 0.03451
−18
−18.5
−19
−19.5
−20
pull
Entries 67
Mean −1206
Std Dev 1236
2
1
0
−1
−2
−3

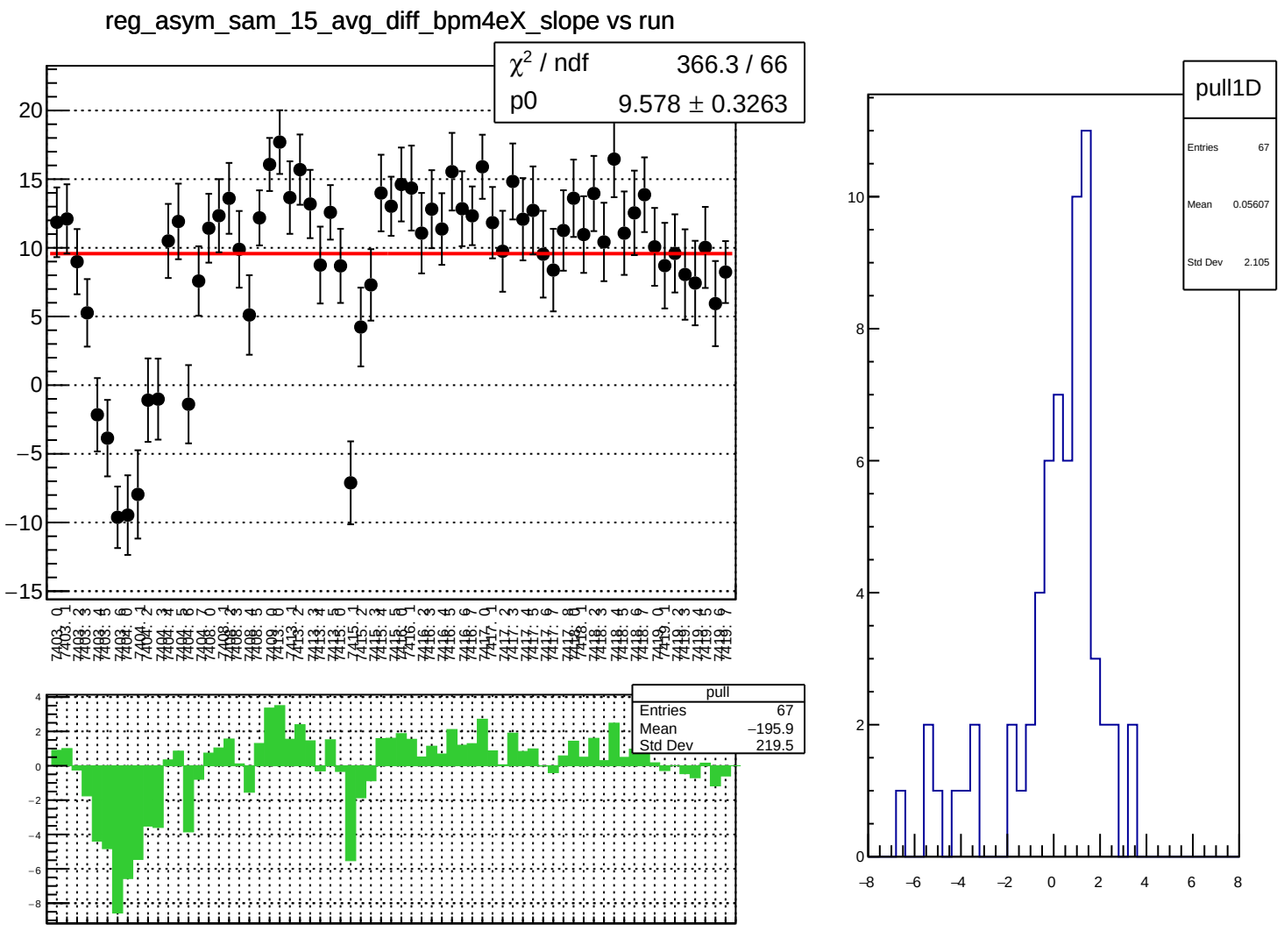

pull1D
Entries 67
Mean 0.008644
Std Dev 0.9164
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

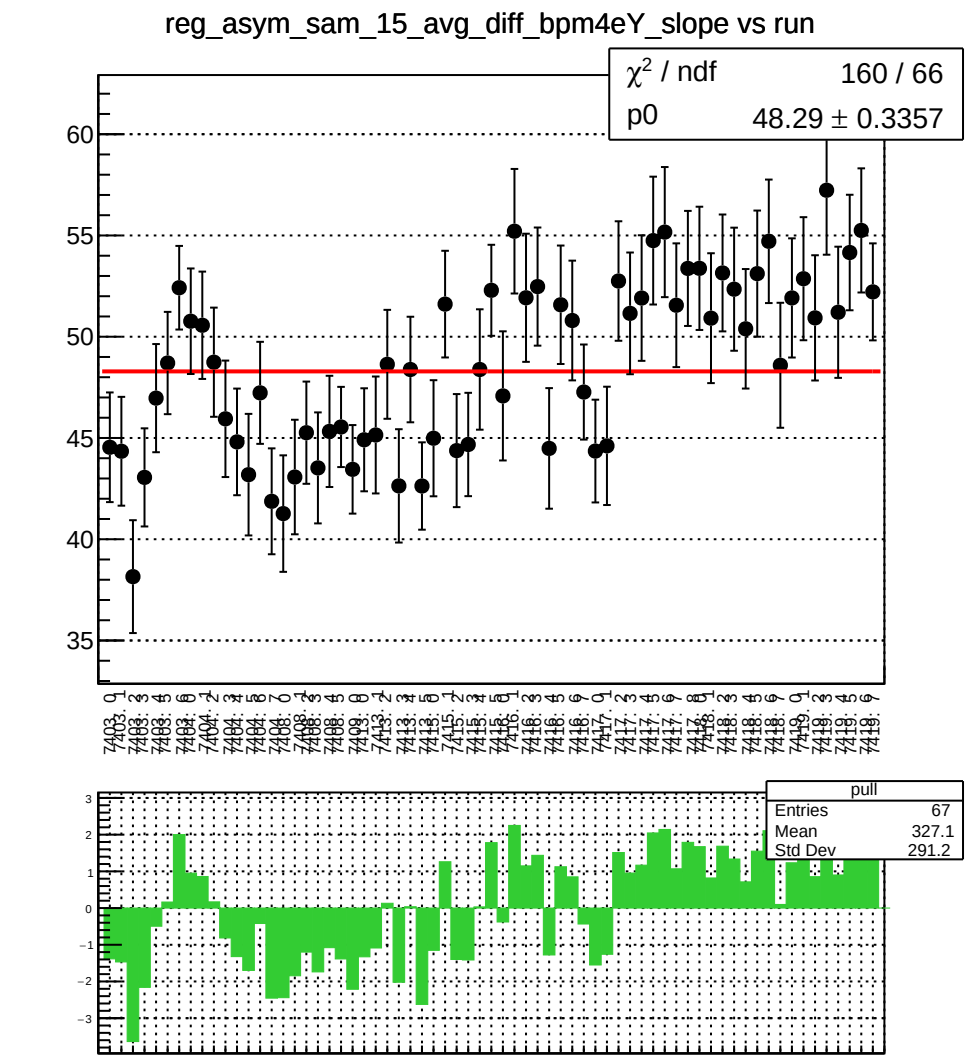

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 406.5 / 66
p0 −17.03 ± 0.314
pull
Entries 67
Mean −301
Std Dev 326.2

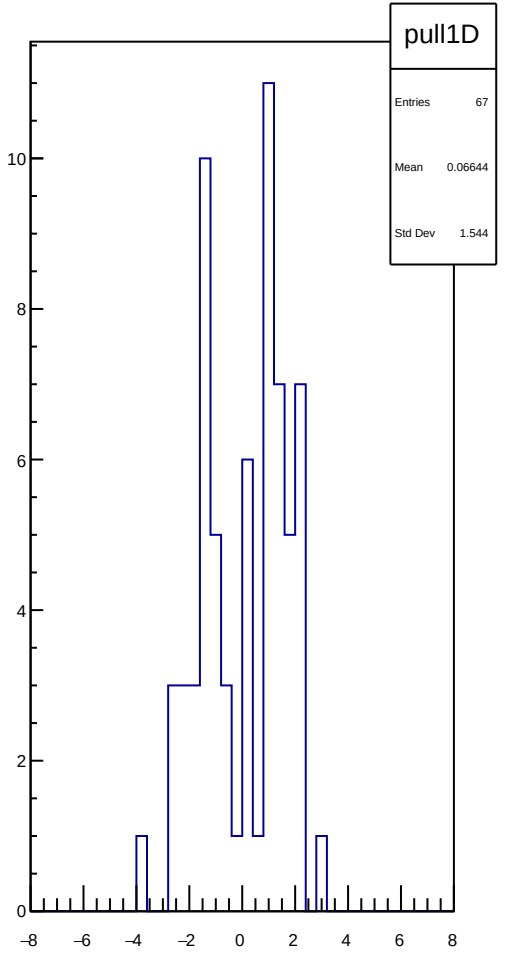

pull1D
Entries 67
Mean −0.076
Std Dev 2.214

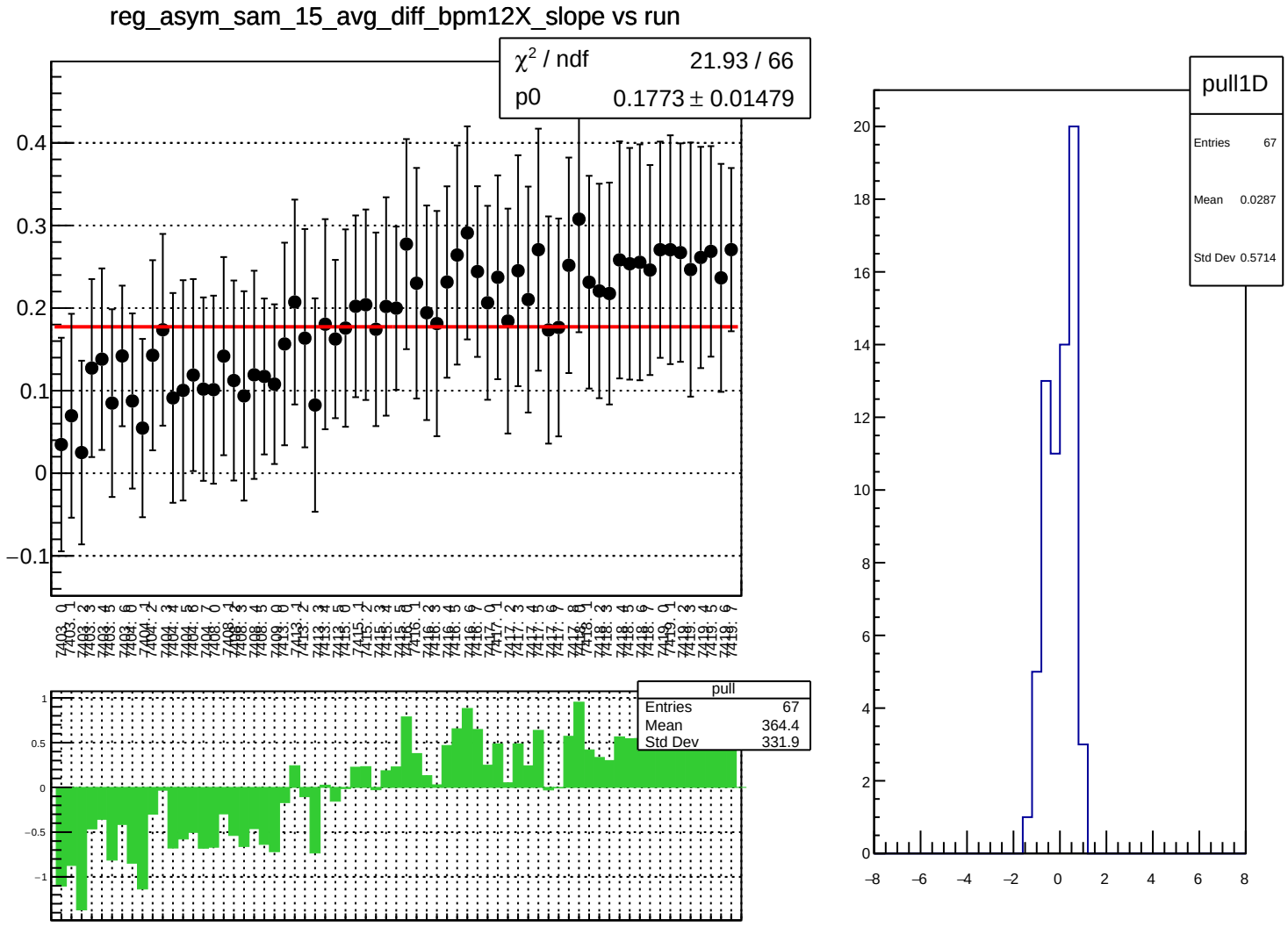

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 190.3 / 66
p0 7.584 ± 0.3172
pull
Entries 67
Mean 199.7
Std Dev 168.9

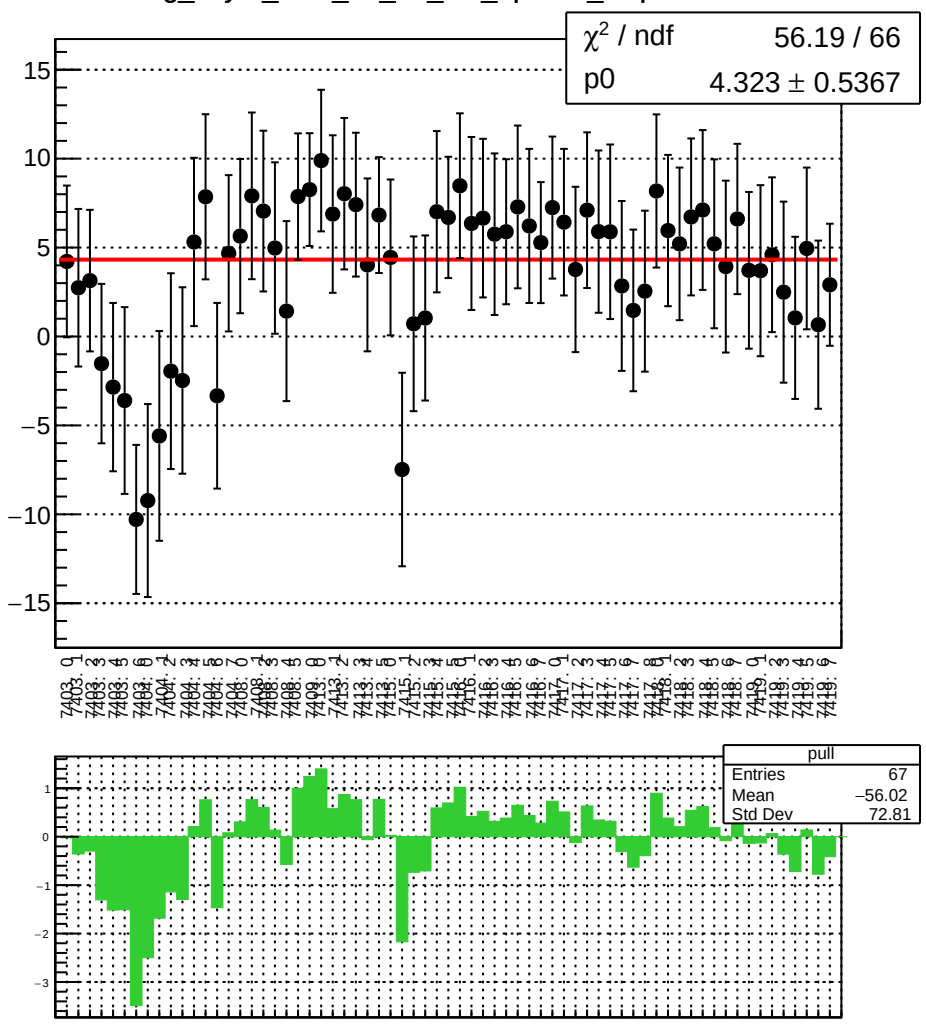

pull1D
Entries 67
Mean 0.07486
Std Dev 1.684

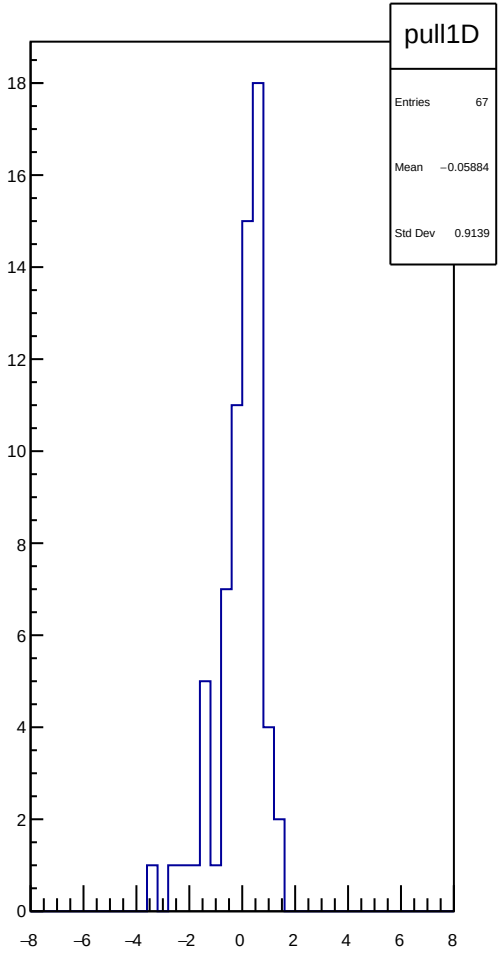

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 366.3 / 66
p0 9.578 ± 0.3263
pull
Entries 67
Mean −195.9
Std Dev 219.5
pull1D
Entries 67
Mean 0.05607
Std Dev 2.105

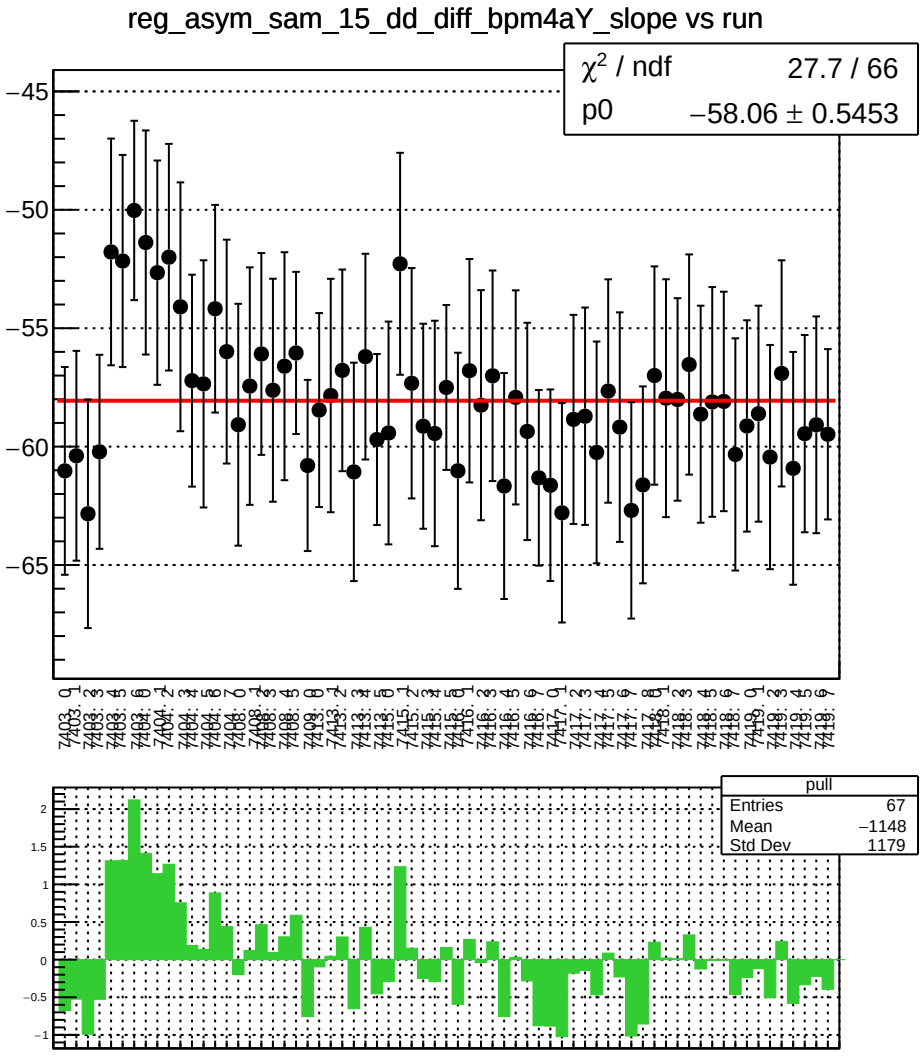

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 160 / 66
p0 48.29 ± 0.3357
pull
Entries 67
Mean 327.1
Std Dev 291.2

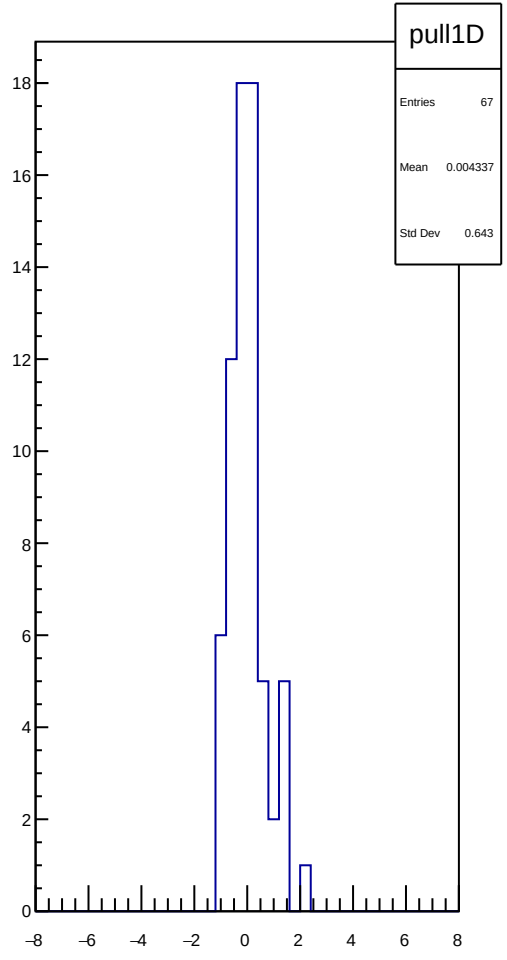

pull1D
Entries 67
Mean 0.06644
Std Dev 1.544

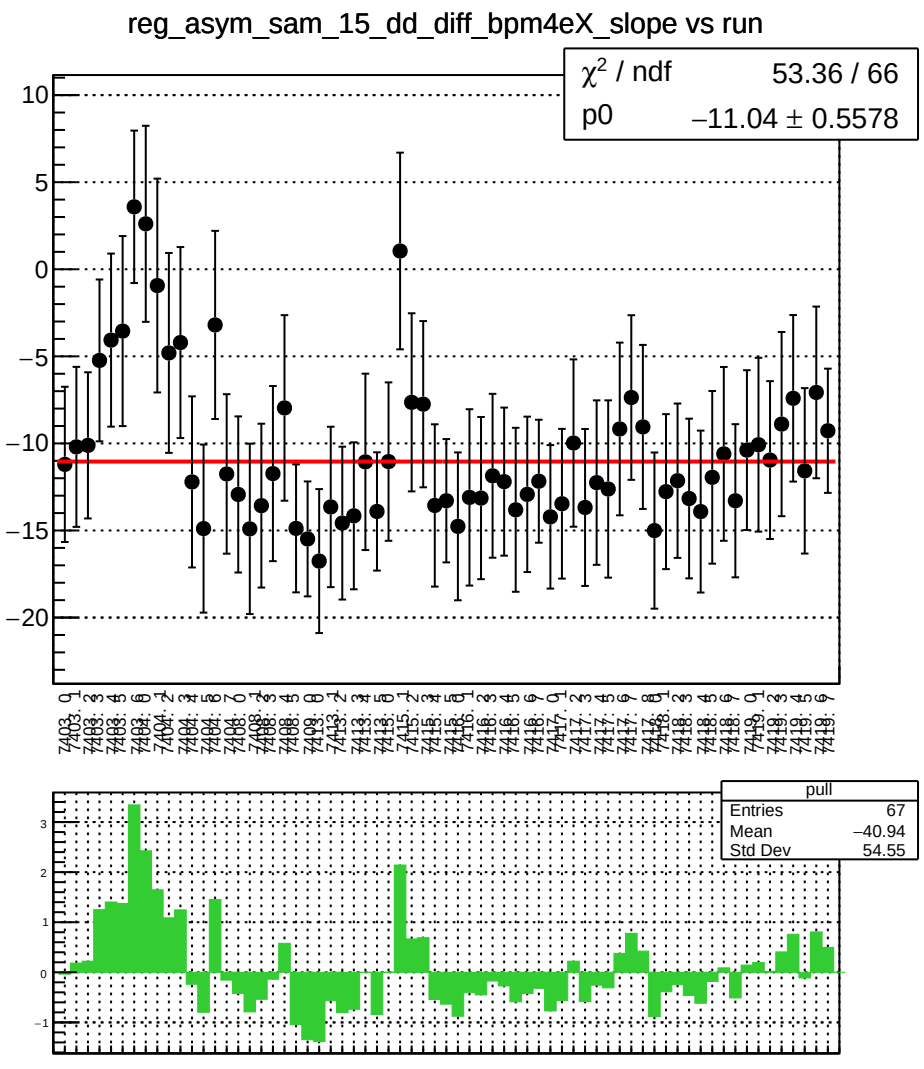

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 21.93 / 66
p0 0.1773 ± 0.01479
pull
Entries 67
Mean 364.4
Std Dev 331.9
pull1D
Entries 67
Mean 0.0287
Std Dev 0.5714

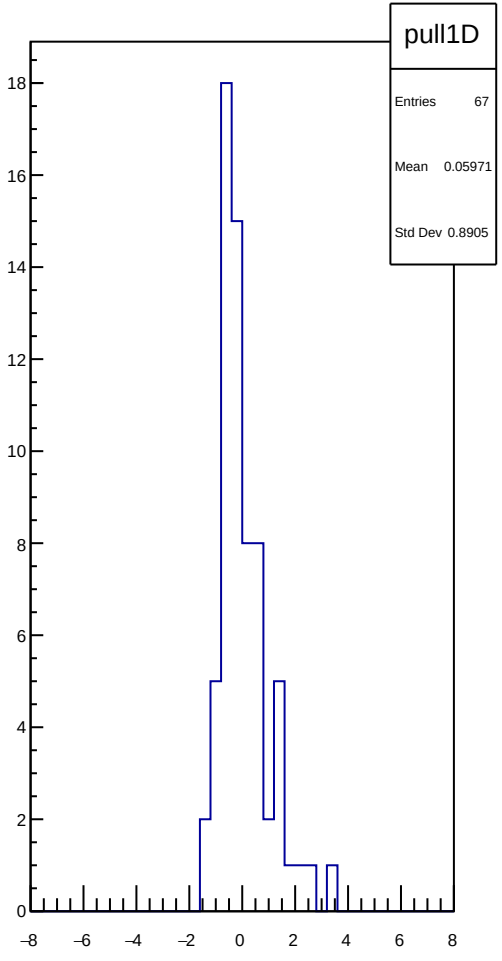

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 56.19 / 66
p0 4.323 ± 0.5367
pull
Entries 67
Mean −56.02
Std Dev 72.81

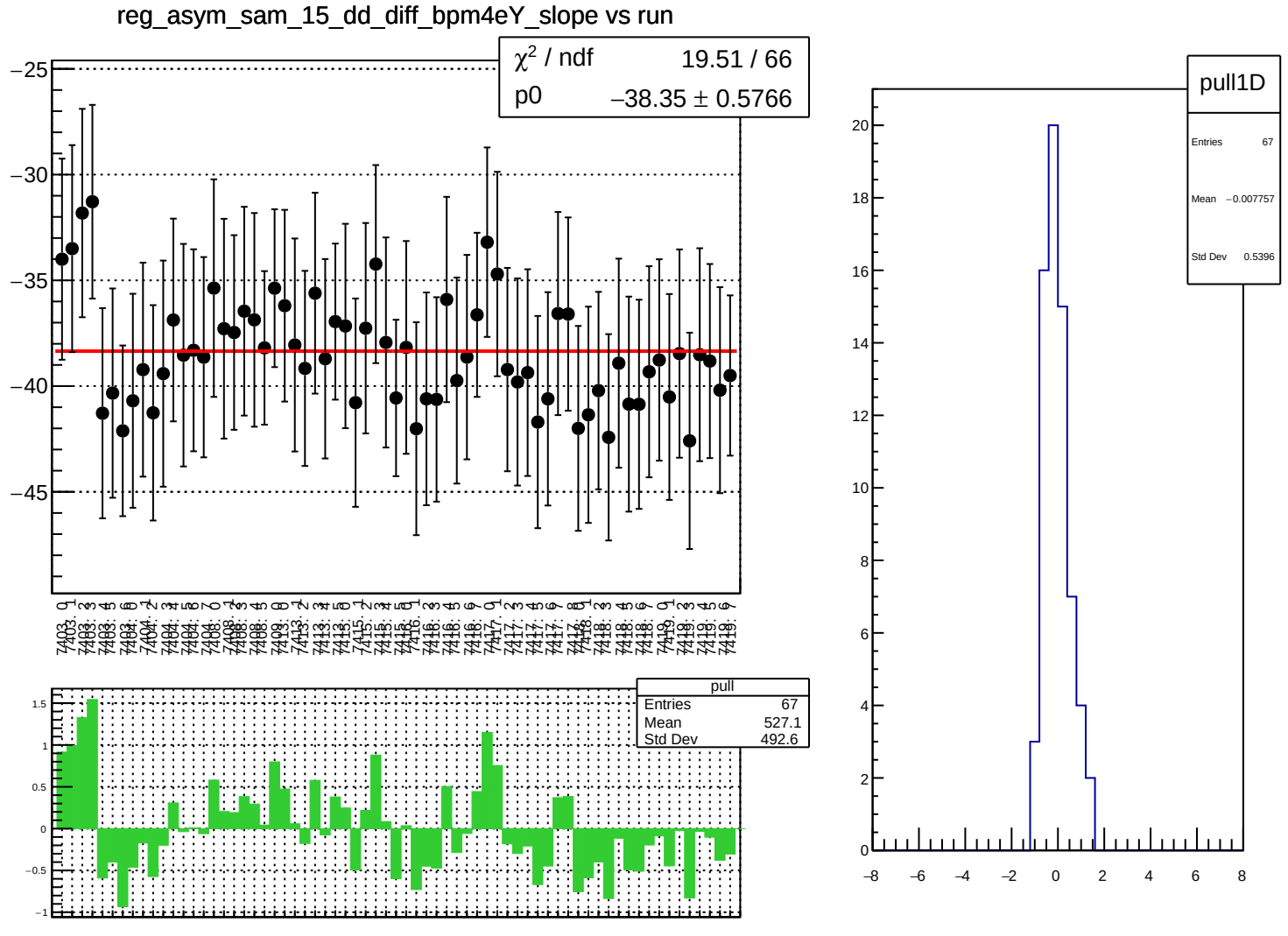

pull1D
Entries 67
Mean −0.05884
Std Dev 0.9139

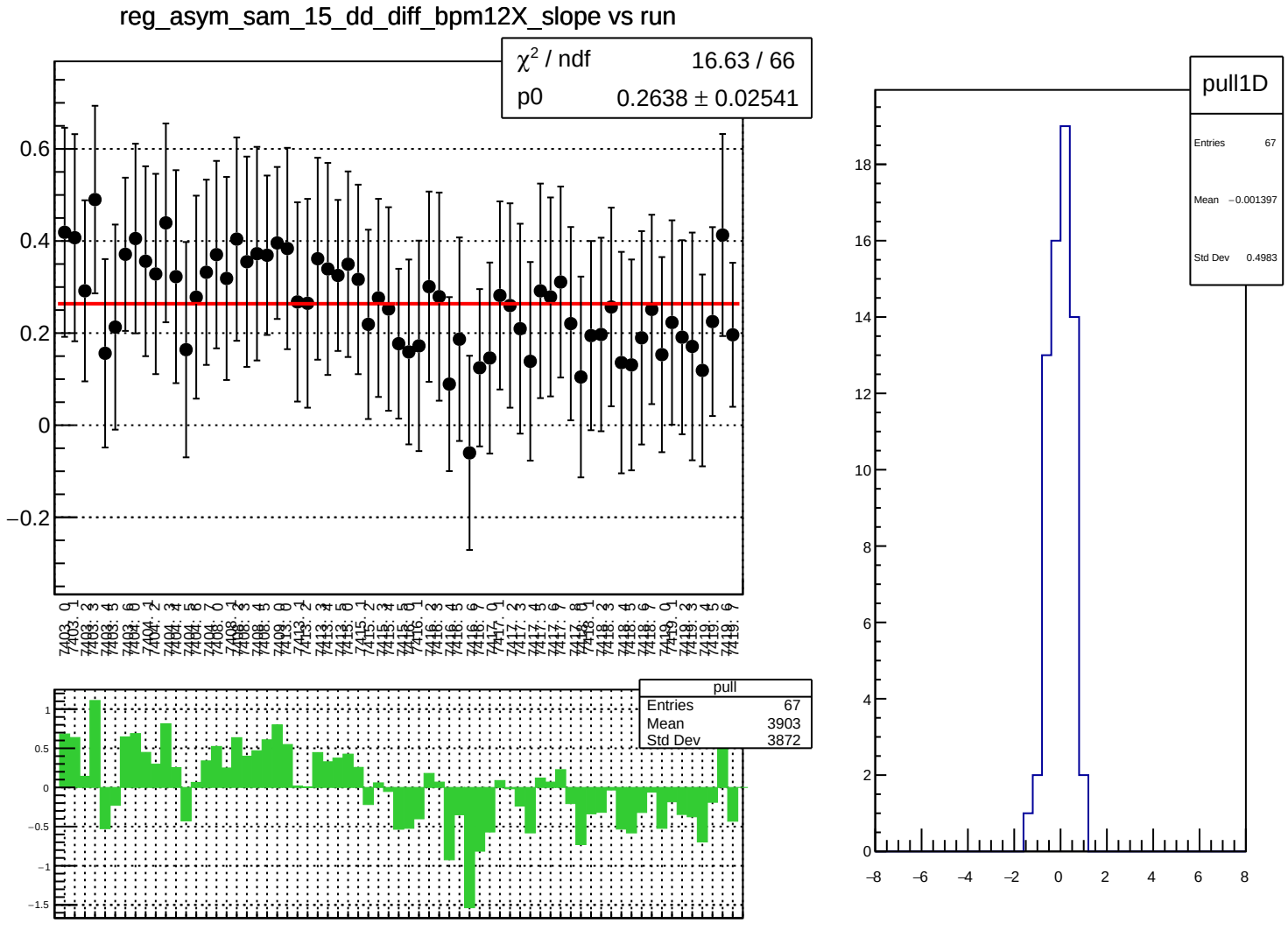

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.7 / 66
p0 −58.06 ± 0.5453
pull
Entries 67
Mean −1148
Std Dev 1179

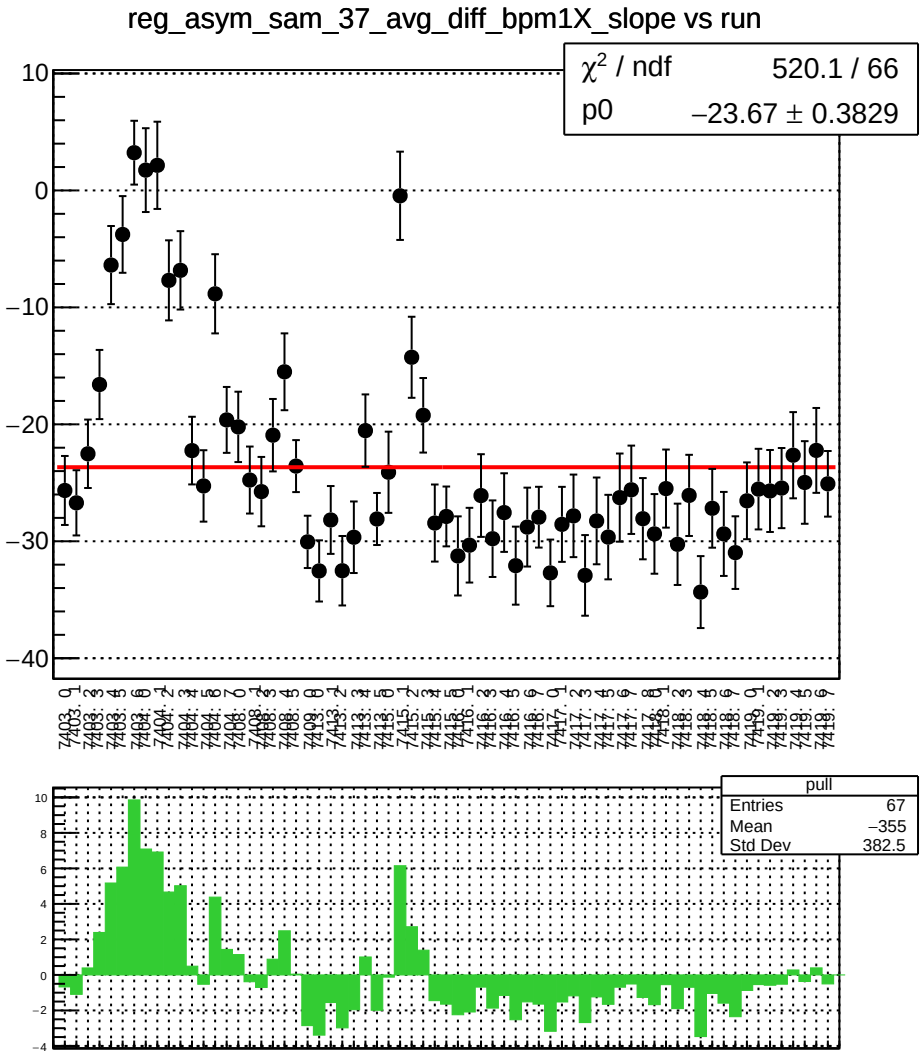

pull1D
Entries 67
Mean 0.004337
Std Dev 0.643

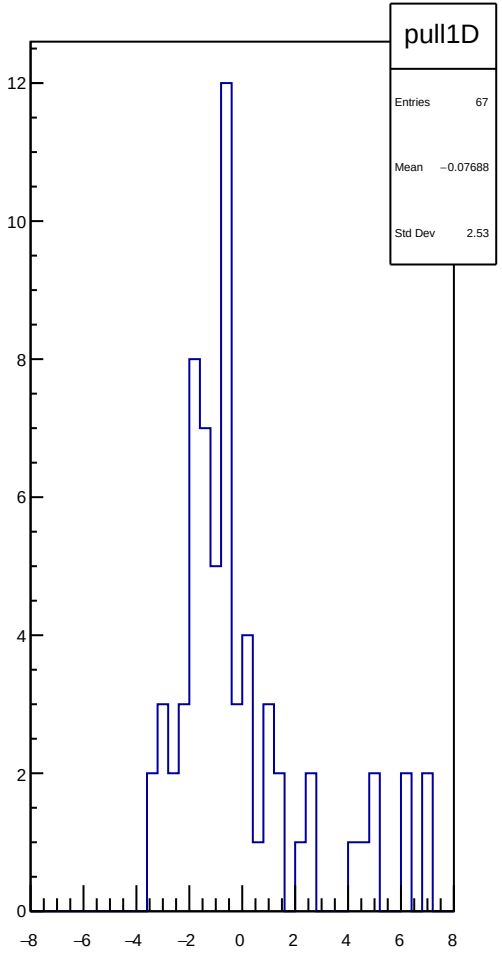

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.36 / 66
p0 −11.04 ± 0.5578
pull
Entries 67
Mean −40.94
Std Dev 54.55

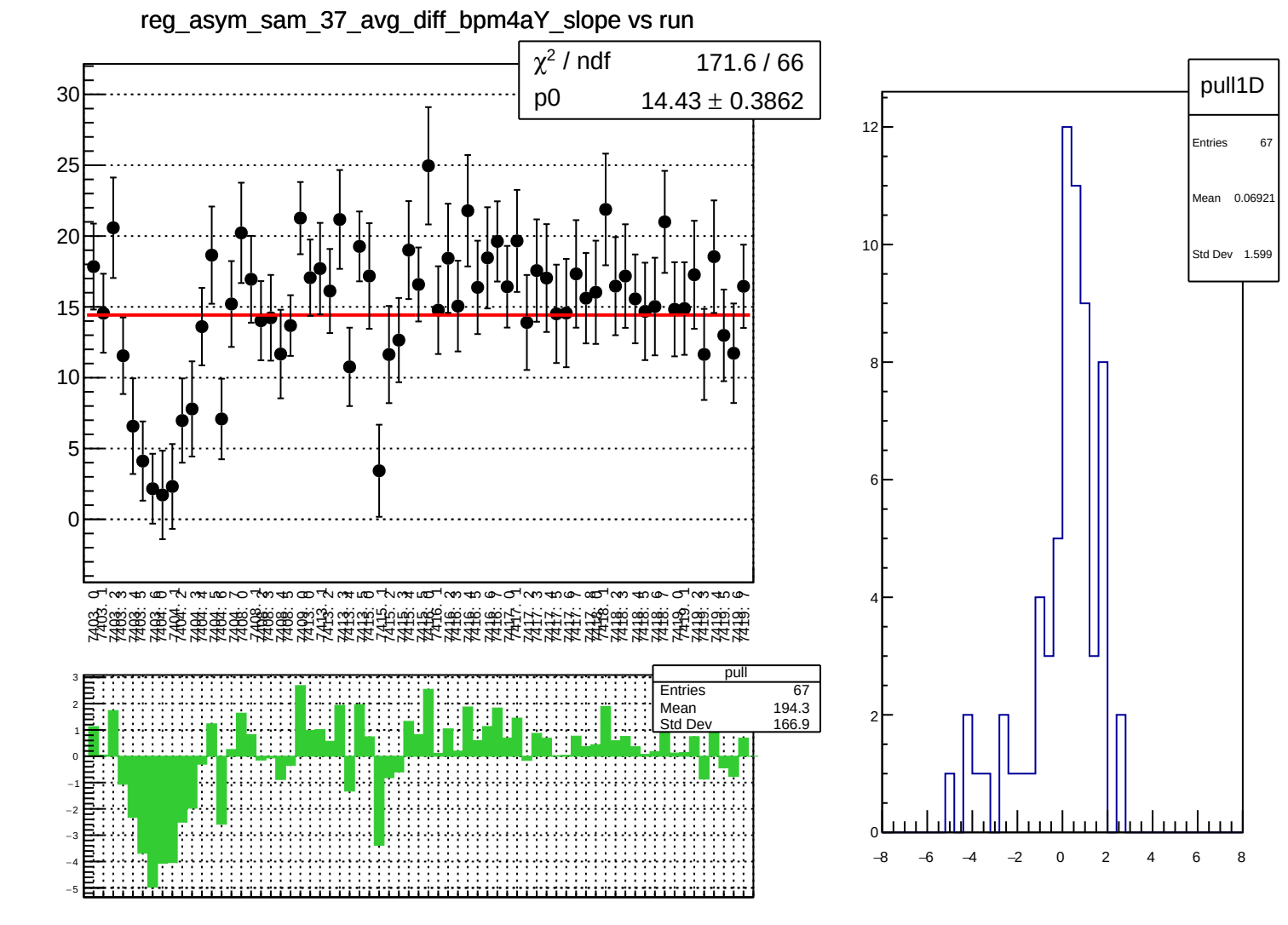

pull1D
Entries 67
Mean 0.05971
Std Dev 0.8905

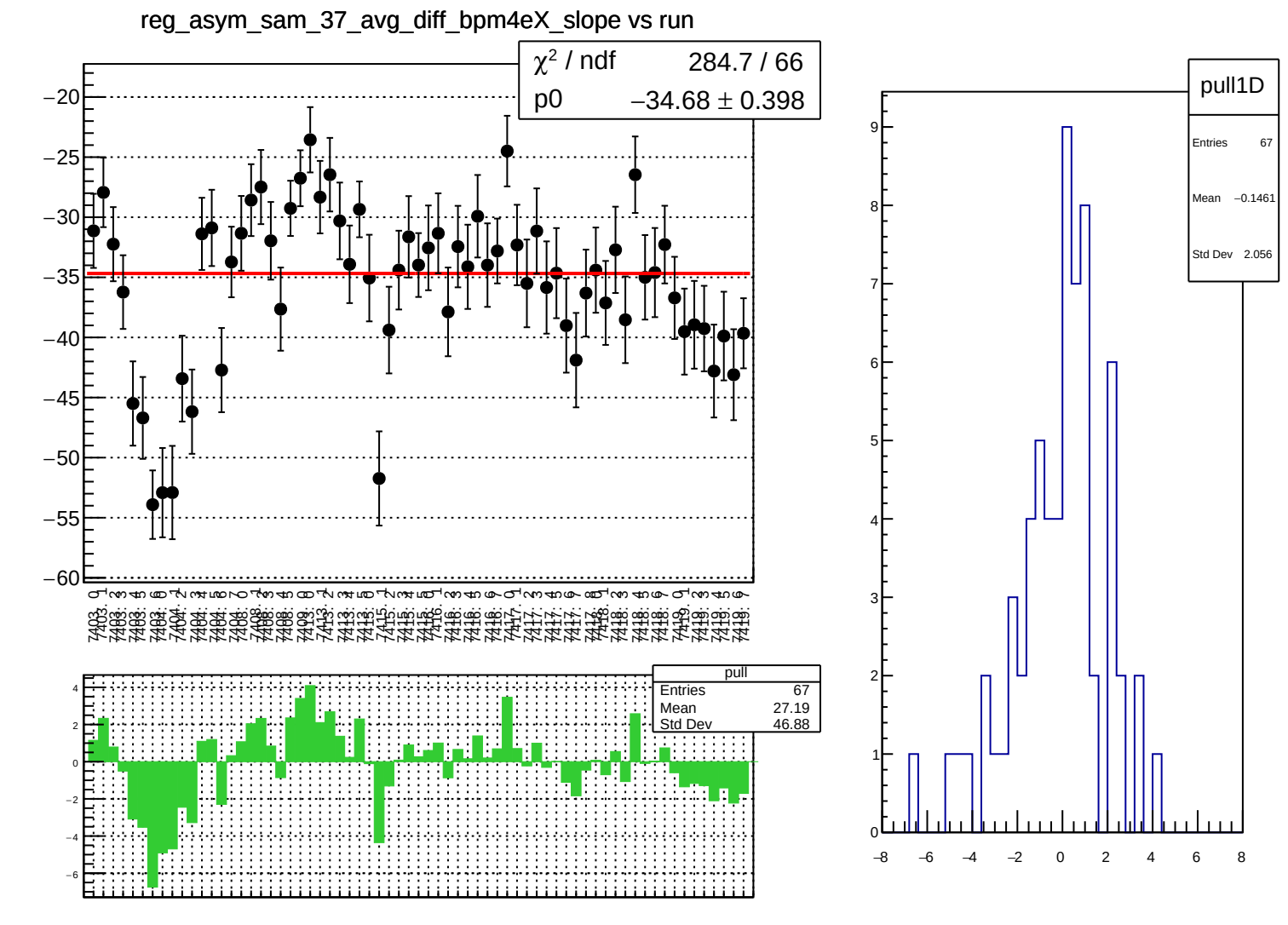

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.51 / 66
p0 −38.35 ± 0.5766
pull
Entries 67
Mean 527.1
Std Dev 492.6
pull1D
Entries 67
Mean −0.007757
Std Dev 0.5396

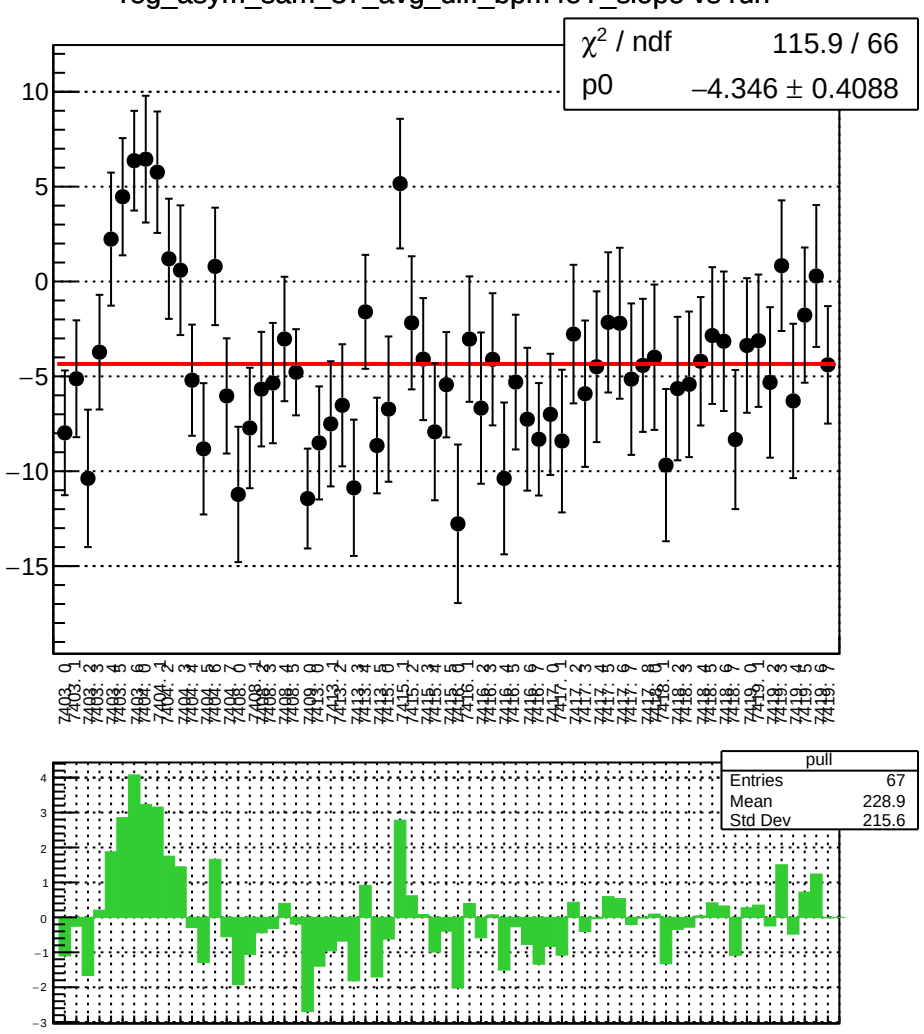

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 16.63 / 66
p0 0.2638 ± 0.02541
pull
Entries 67
Mean 3903
Std Dev 3872
pull1D
Entries 67
Mean −0.001397
Std Dev 0.4983

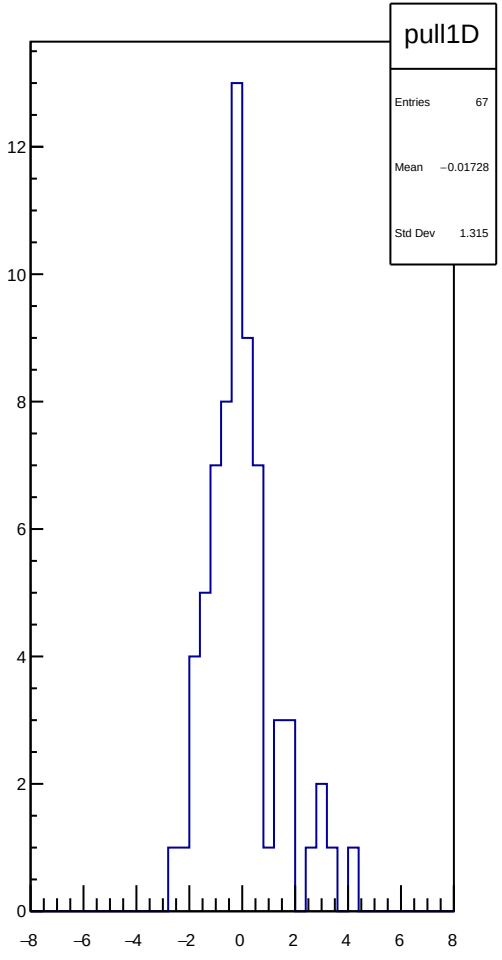

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 520.1 / 66
p0 −23.67 ± 0.3829
pull
Entries 67
Mean −355
Std Dev 382.5

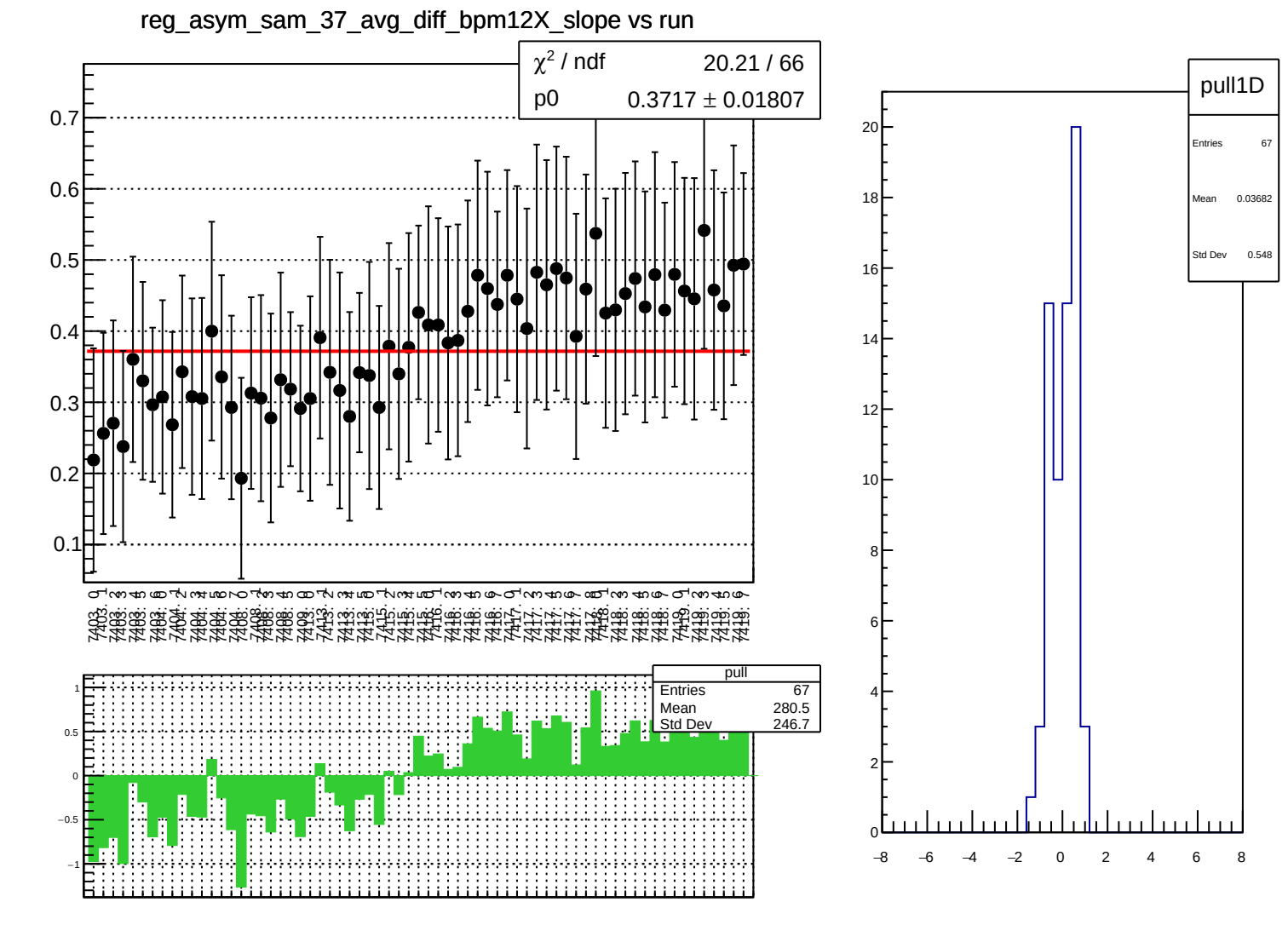

pull1D
Entries 67
Mean −0.07688
Std Dev 2.53

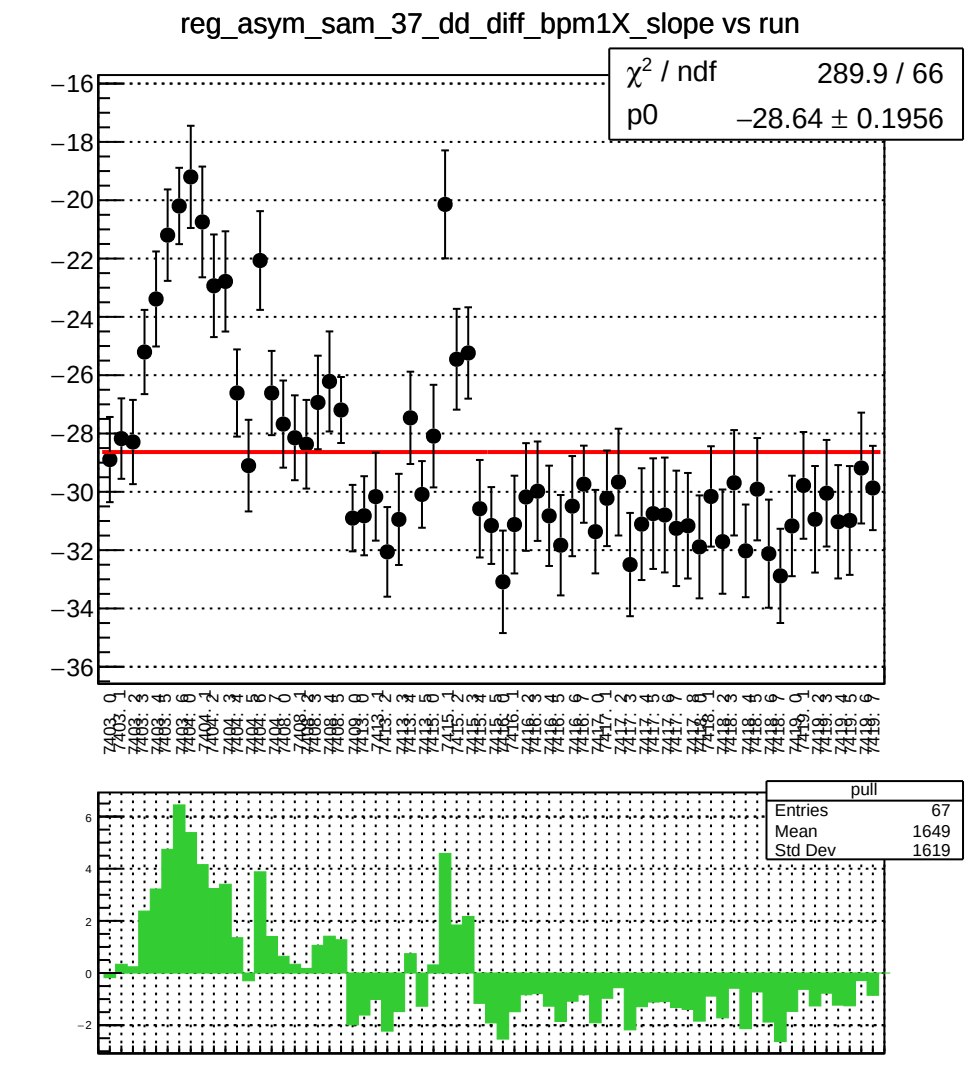

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 171.6 / 66
p0 14.43 ± 0.3862
pull
Entries 67
Mean 194.3
Std Dev 166.9
pull1D
Entries 67
Mean 0.06921
Std Dev 1.599

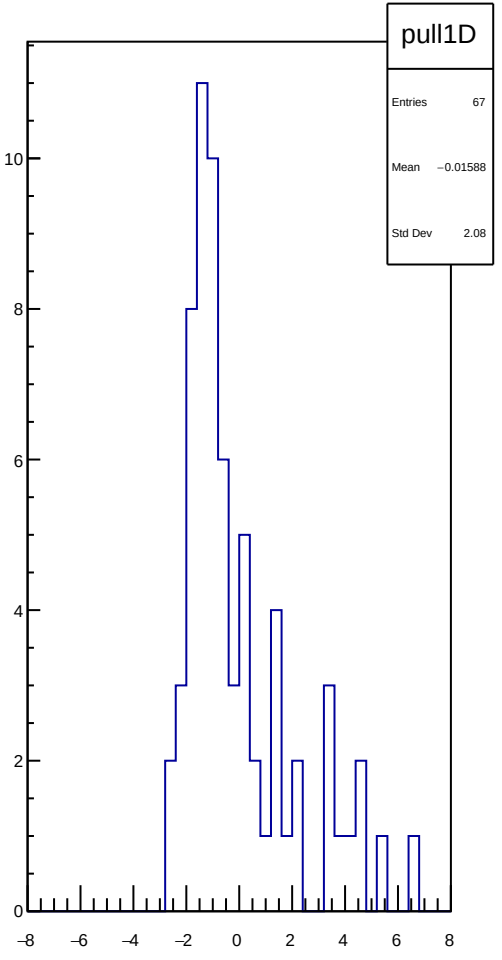

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 284.7 / 66
p0 −34.68 ± 0.398
pull
Entries 67
Mean 27.19
Std Dev 46.88
pull1D
Entries 67
Mean −0.1461
Std Dev 2.056

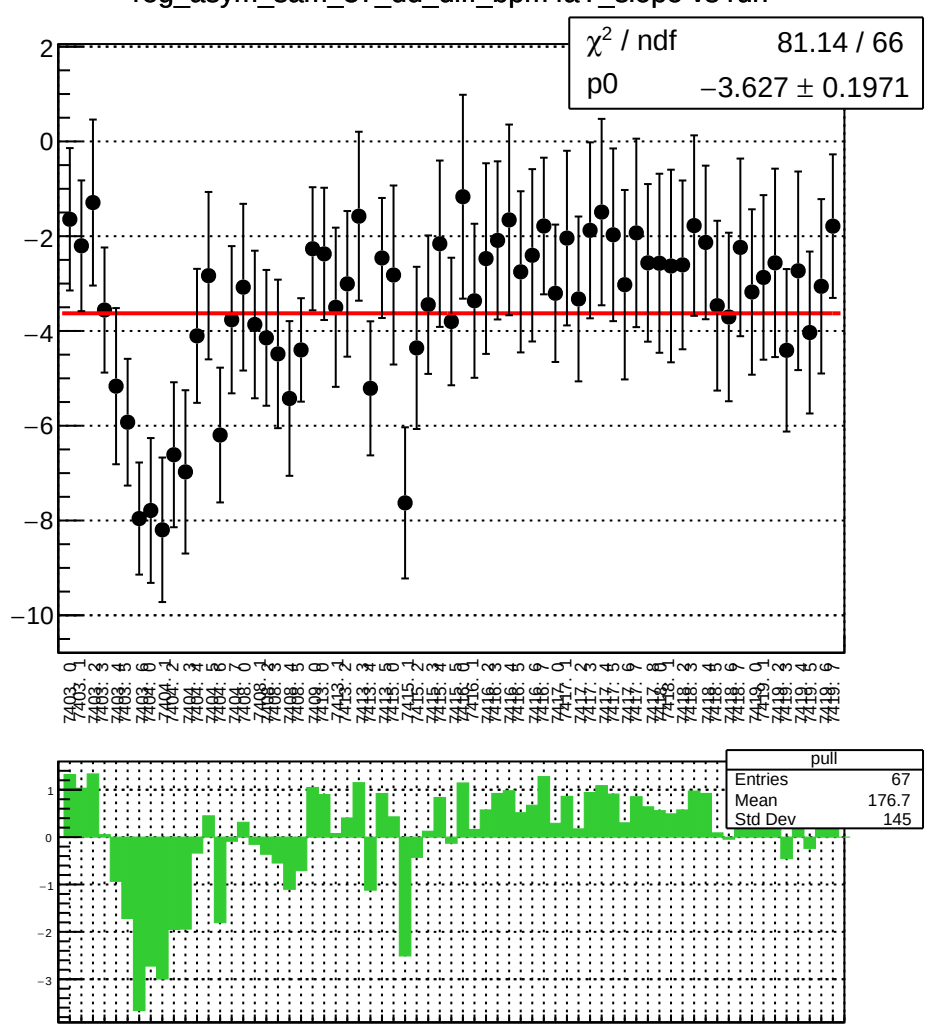

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 115.9 / 66
p0 −4.346 ± 0.4088
pull
Entries 67
Mean 228.9
Std Dev 215.6

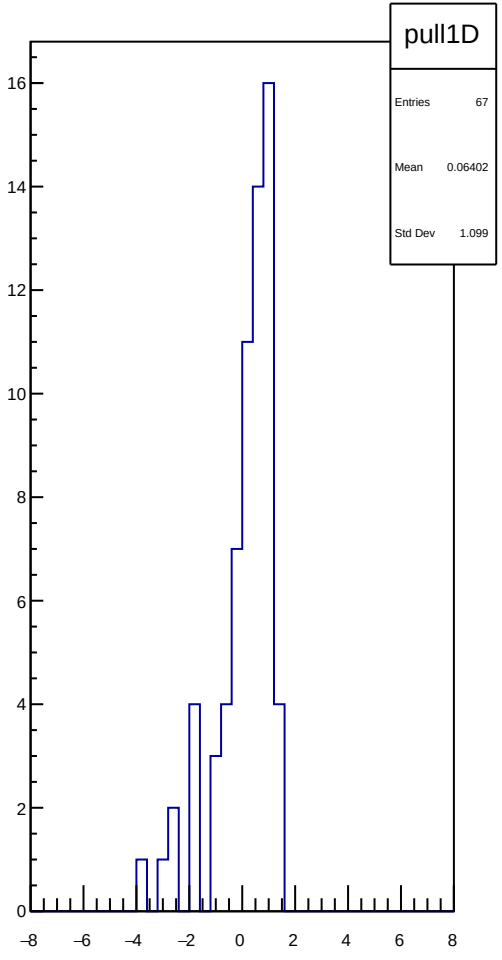

pull1D
Entries 67
Mean −0.01728
Std Dev 1.315

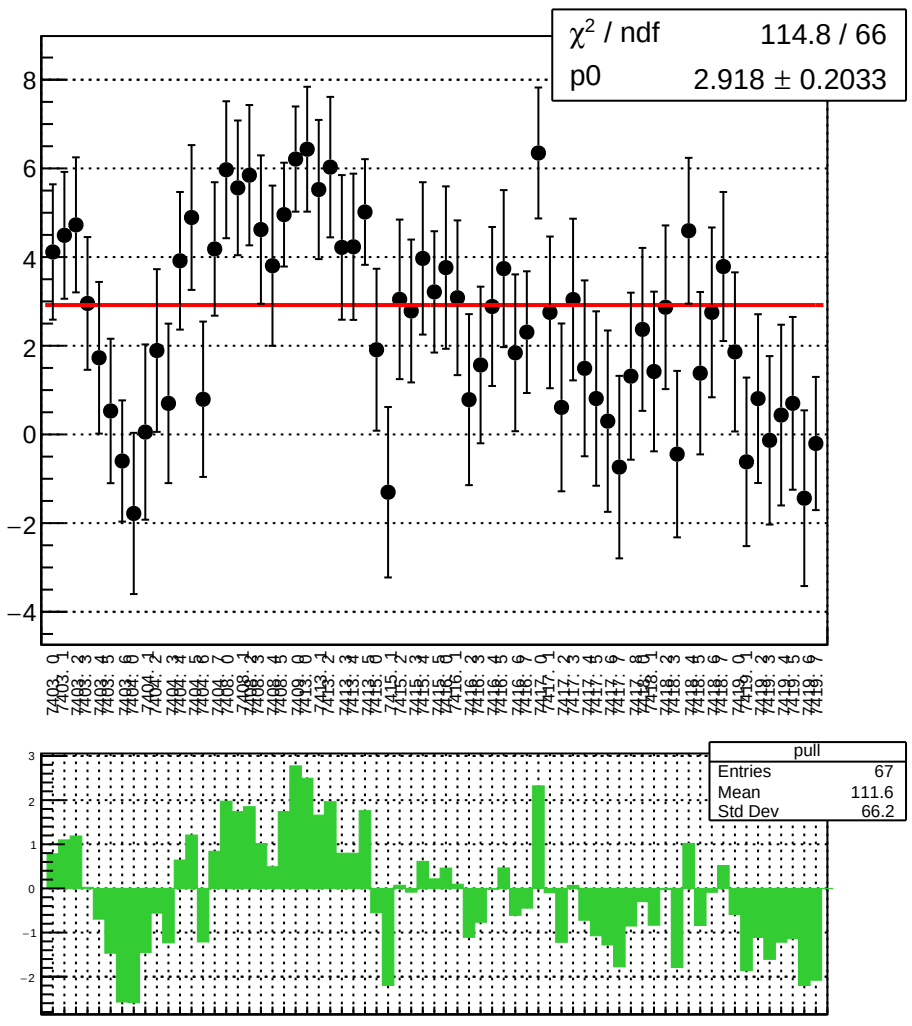

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 20.21 / 66
p0 0.3717 ± 0.01807
pull
Entries 67
Mean 280.5
Std Dev 246.7
pull1D
Entries 67
Mean 0.03682
Std Dev 0.548

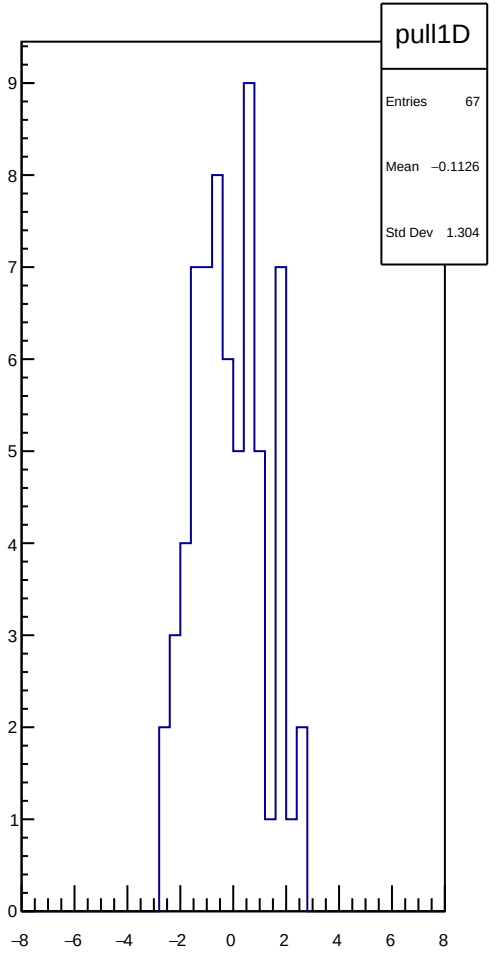

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 289.9 / 66
p0 −28.64 ± 0.1956
pull
Entries 67
Mean 1649
Std Dev 1619

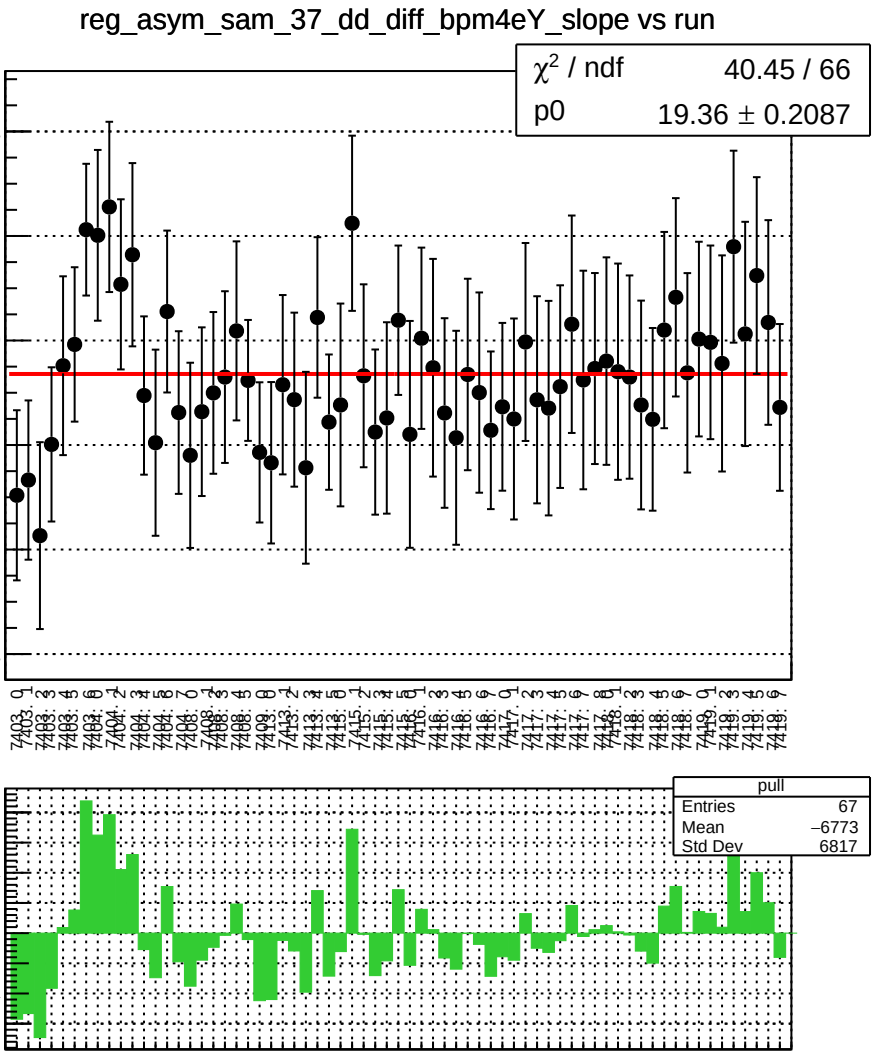

pull1D
Entries 67
Mean −0.01588
Std Dev 2.08

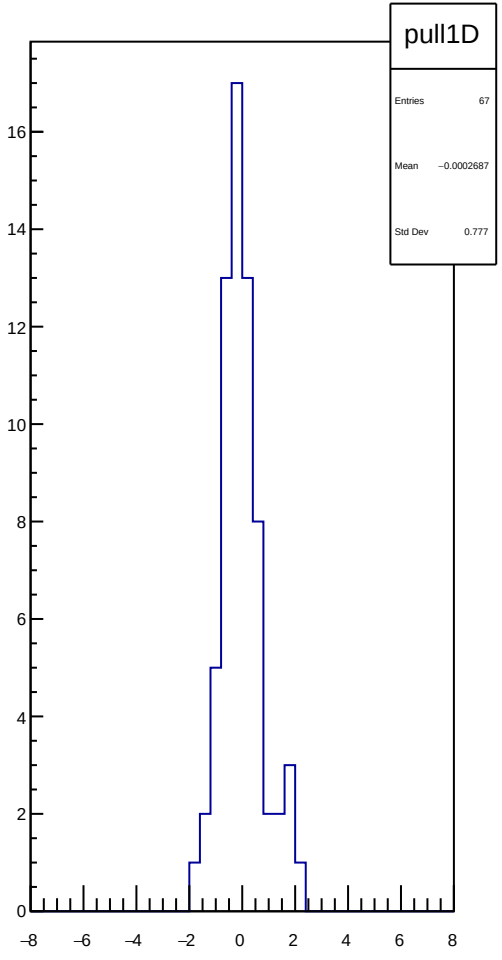

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.14 / 66
p0 −3.627 ± 0.1971
pull
Entries 67
Mean 176.7
Std Dev 145

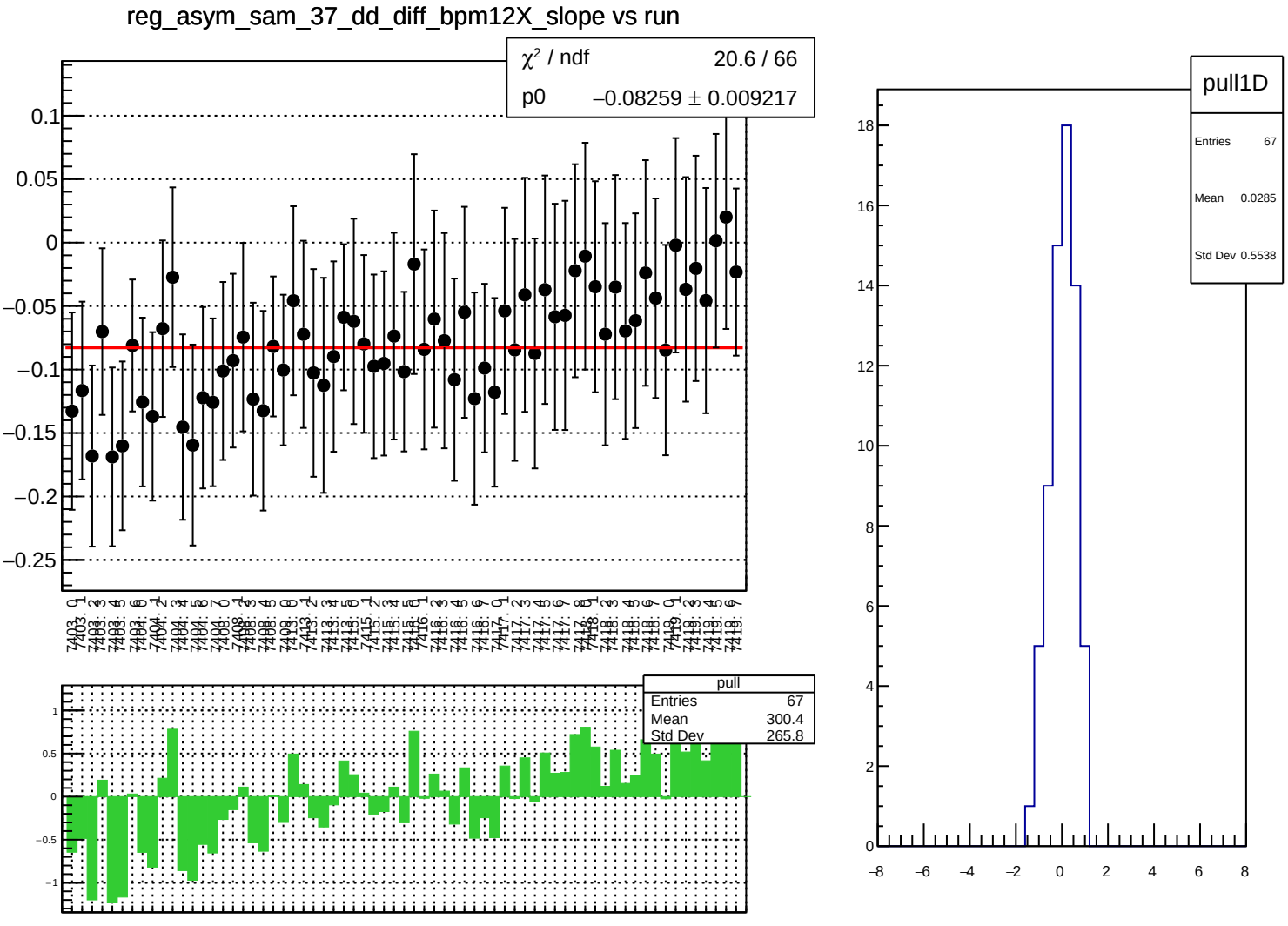

pull1D
Entries 67
Mean 0.06402
Std Dev 1.099

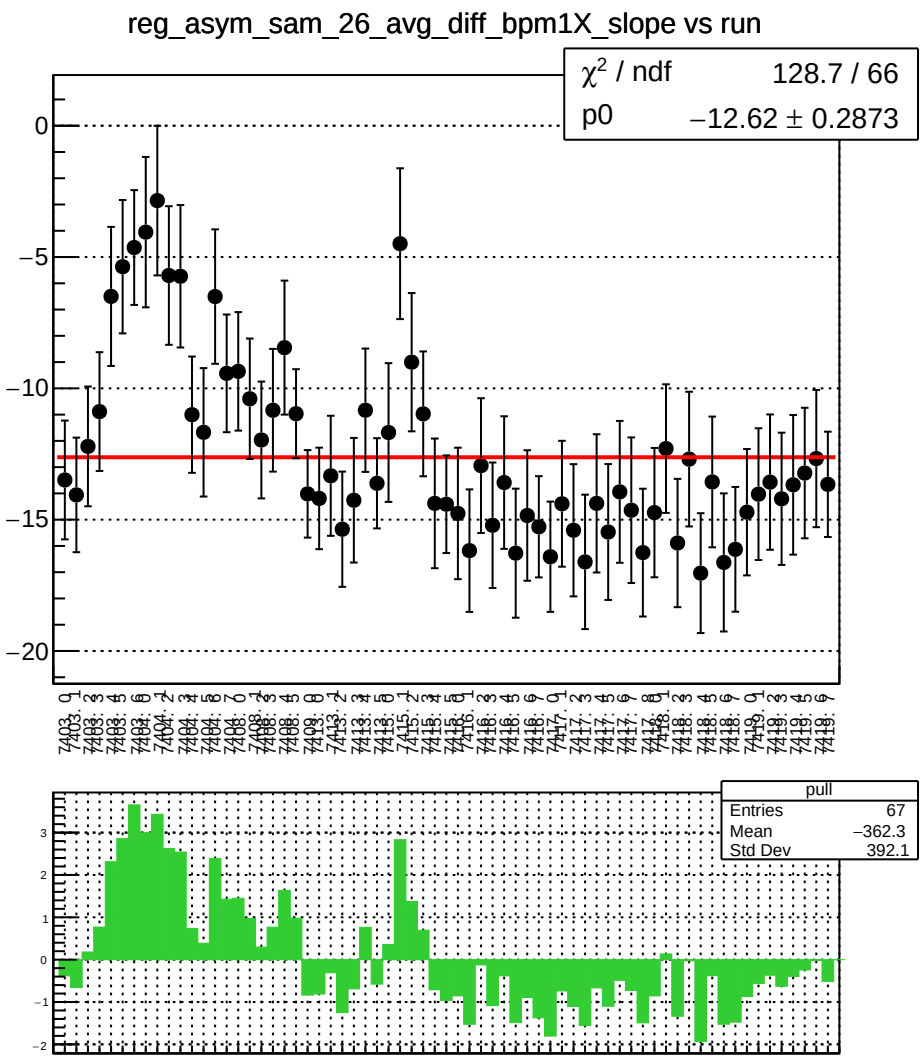

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 114.8 / 66
p0 2.918 ± 0.2033
pull
Entries 67
Mean 111.6
Std Dev 66.2

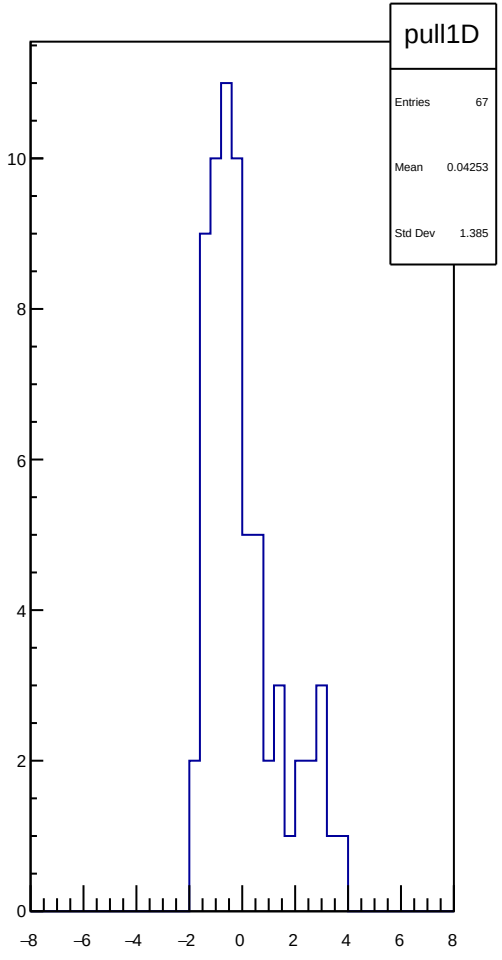

pull1D
Entries 67
Mean −0.1126
Std Dev 1.304

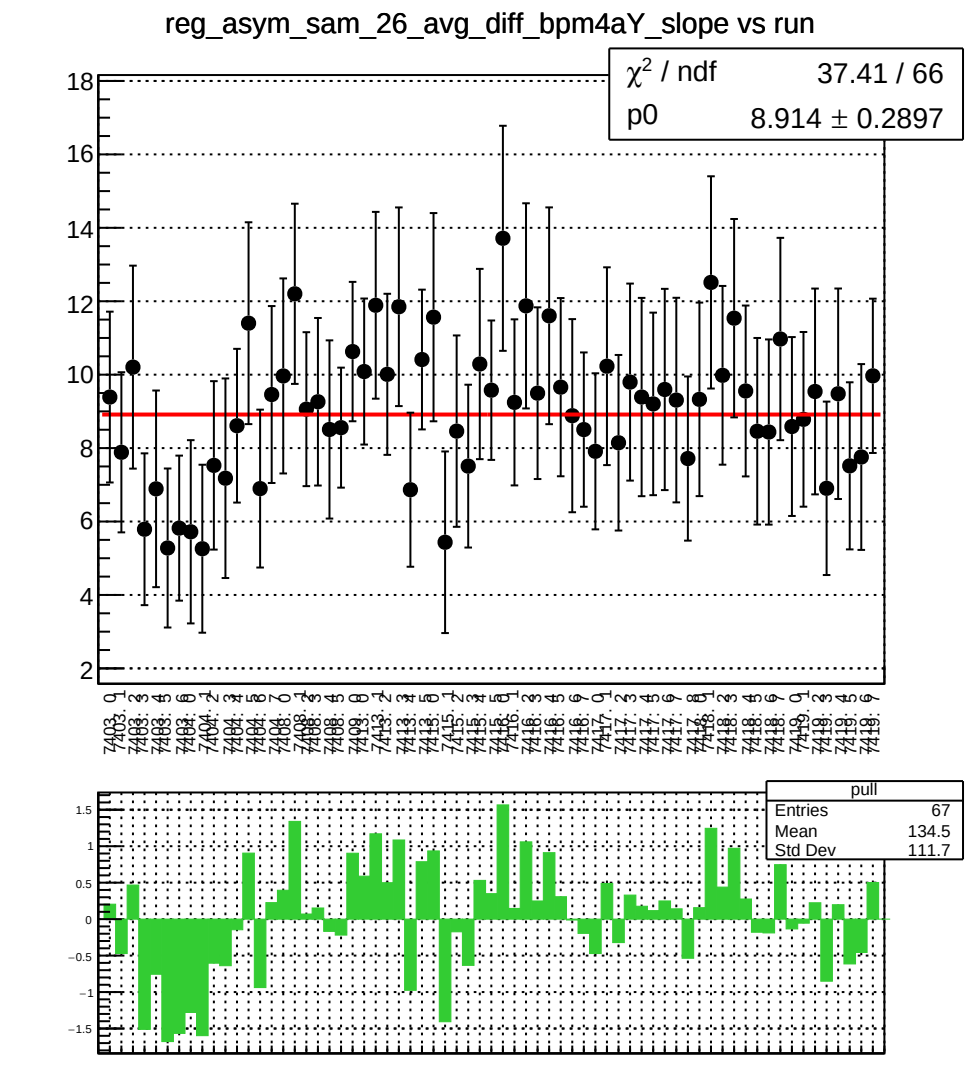

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.45 / 66
p0 19.36 ± 0.2087
pull
Entries 67
Mean −6773
Std Dev 6817

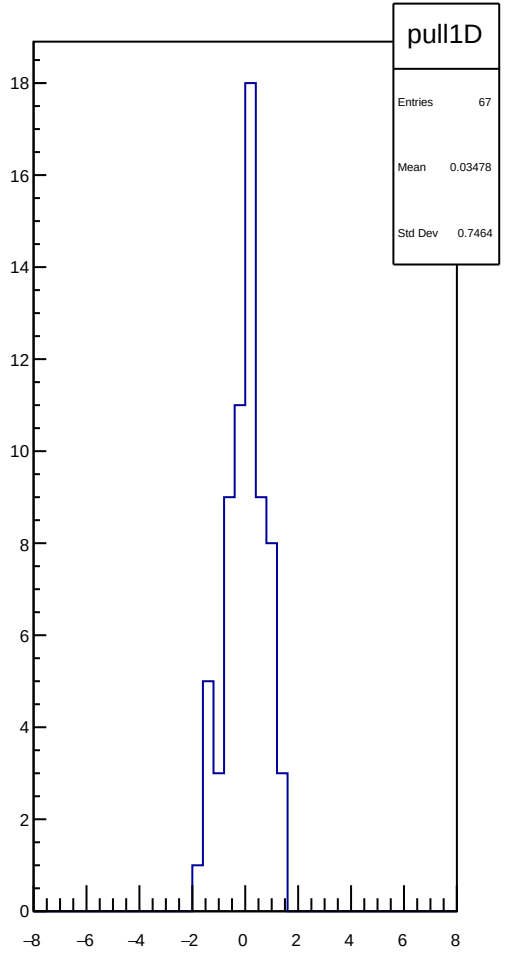

pull1D
Entries 67
Mean −0.0002687
Std Dev 0.777

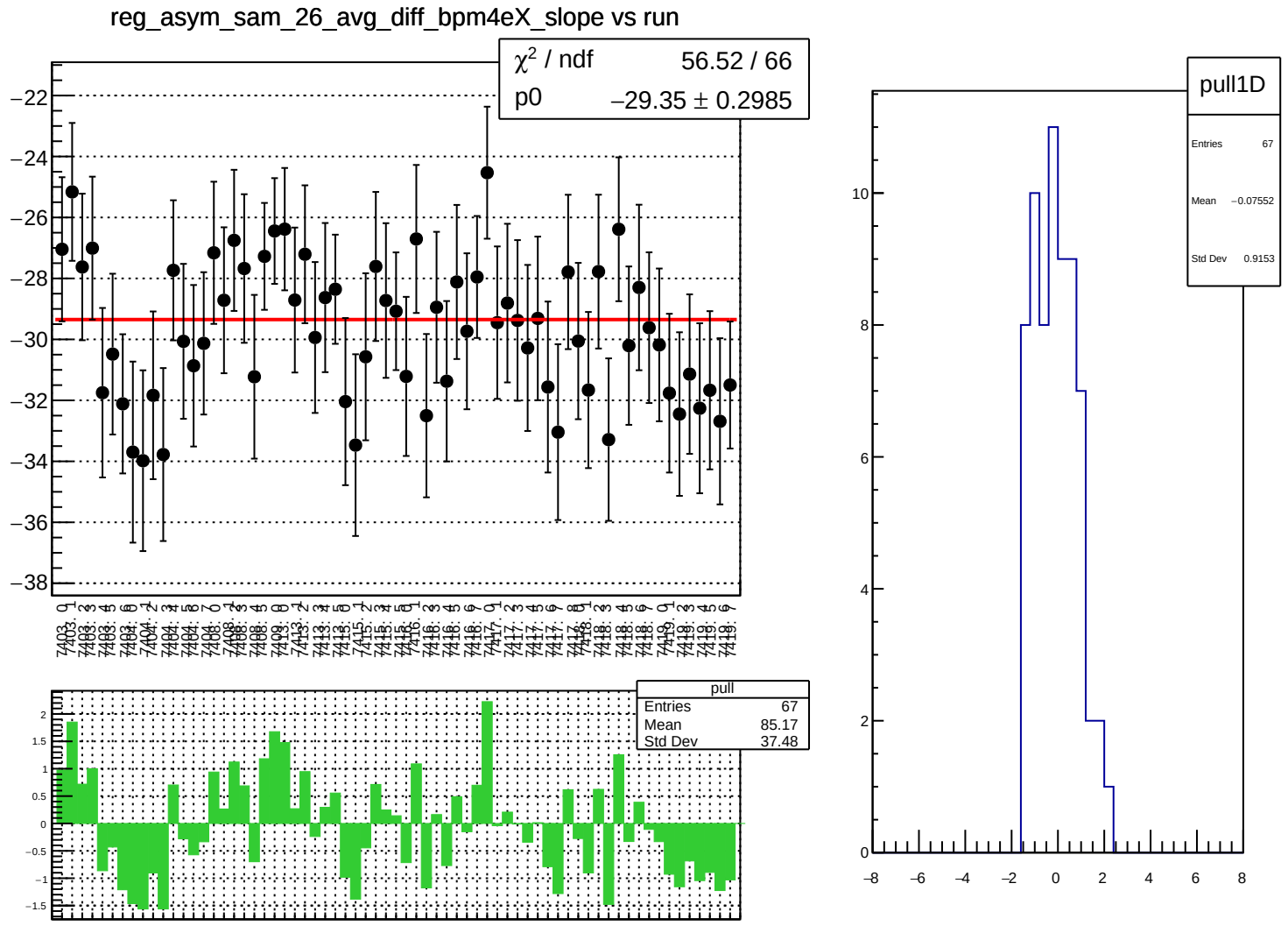

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 20.6 / 66
p0 −0.08259 ± 0.009217
pull
Entries 67
Mean 300.4
Std Dev 265.8
pull1D
Entries 67
Mean 0.0285
Std Dev 0.5538

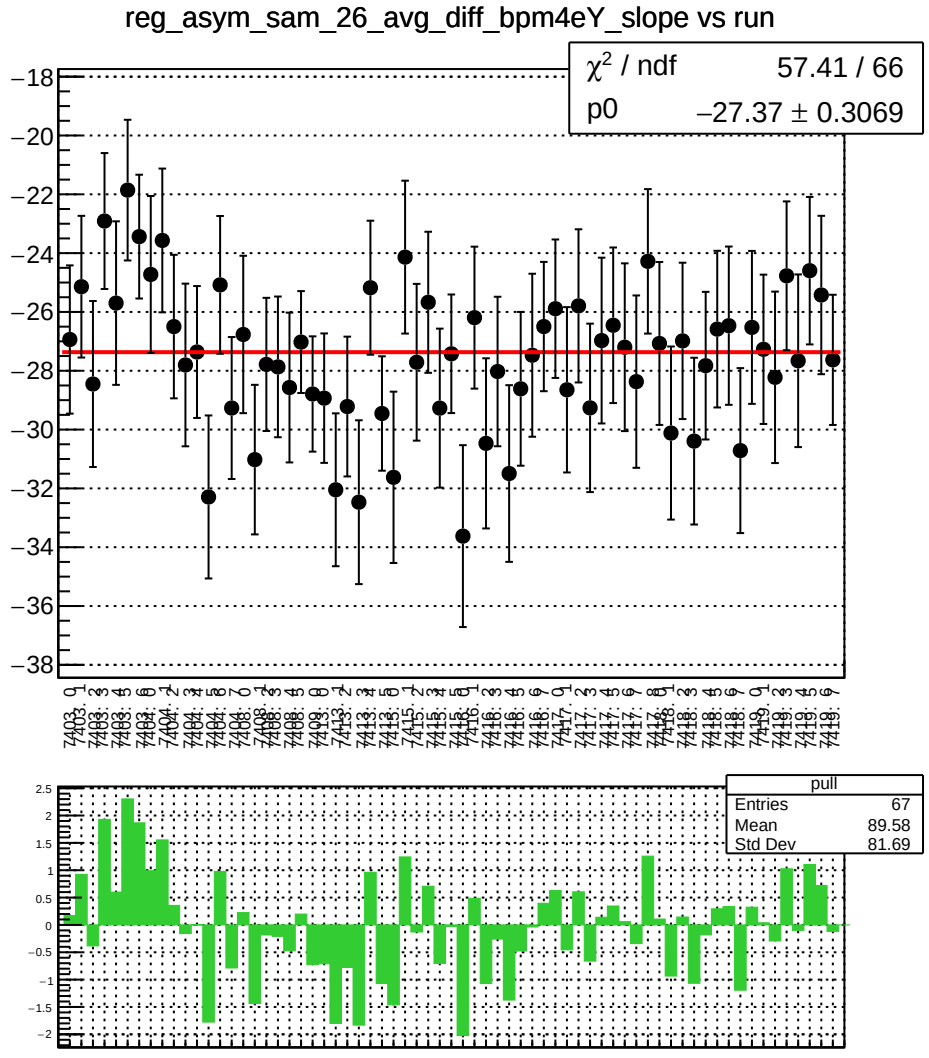

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 128.7 / 66
p0 −12.62 ± 0.2873
pull
Entries 67
Mean −362.3
Std Dev 392.1

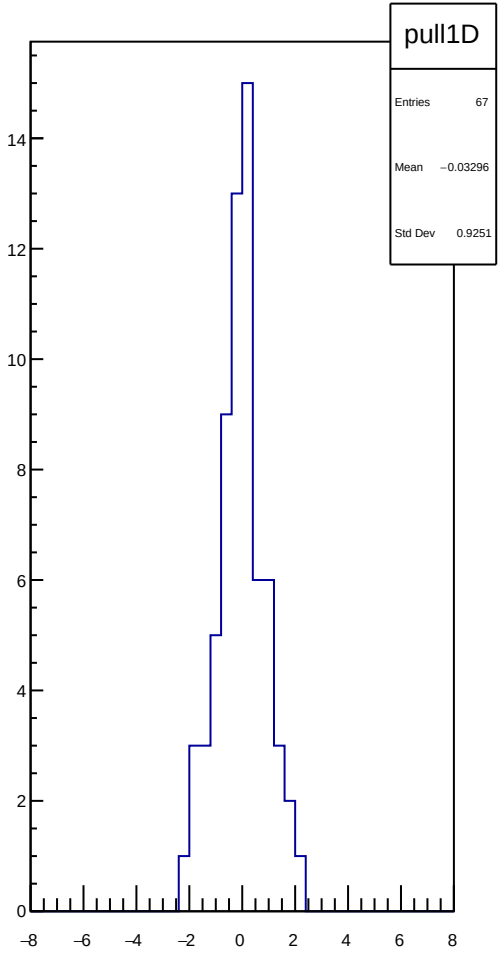

pull1D
Entries 67
Mean 0.04253
Std Dev 1.385

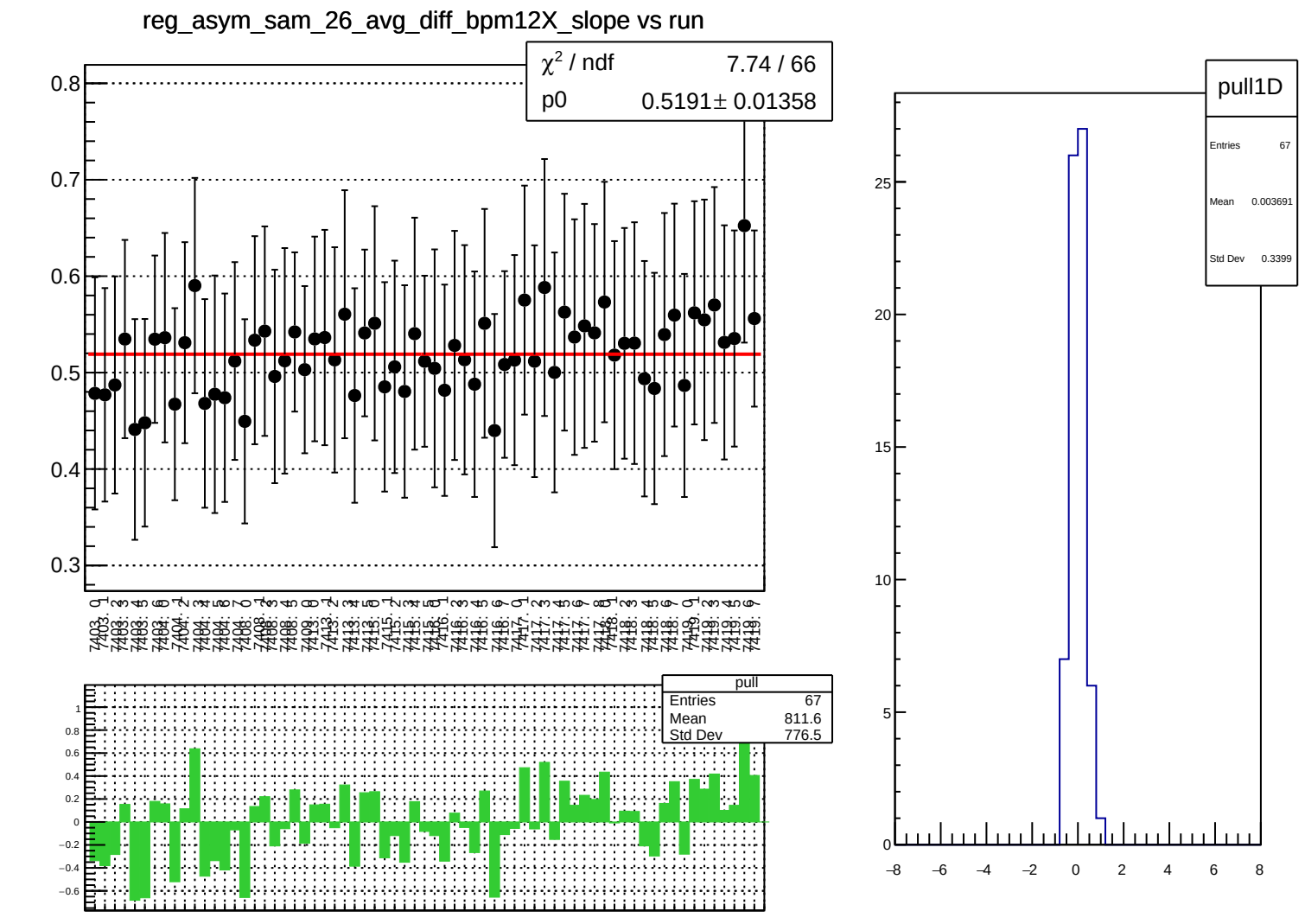

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.41 / 66
p0 8.914 ± 0.2897
pull
Entries 67
Mean 134.5
Std Dev 111.7

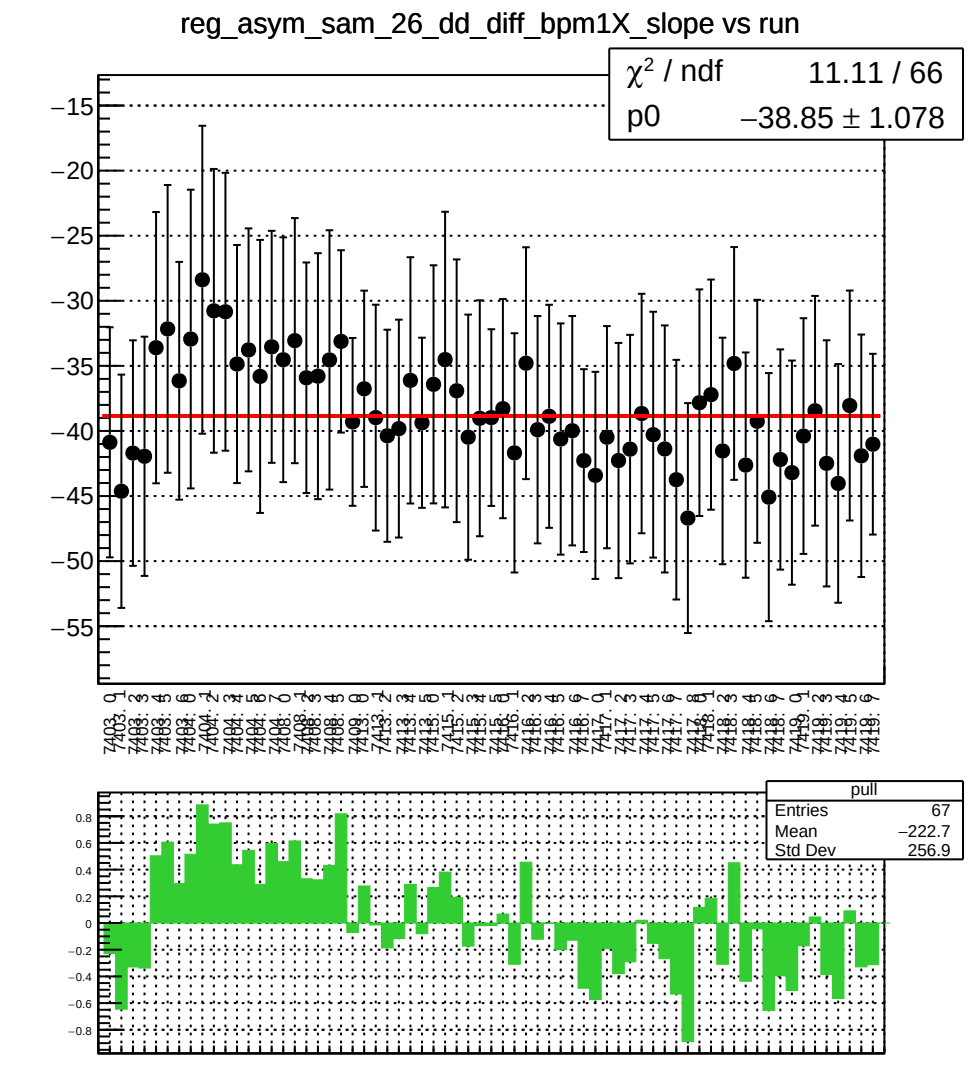

pull1D
Entries 67
Mean 0.03478
Std Dev 0.7464

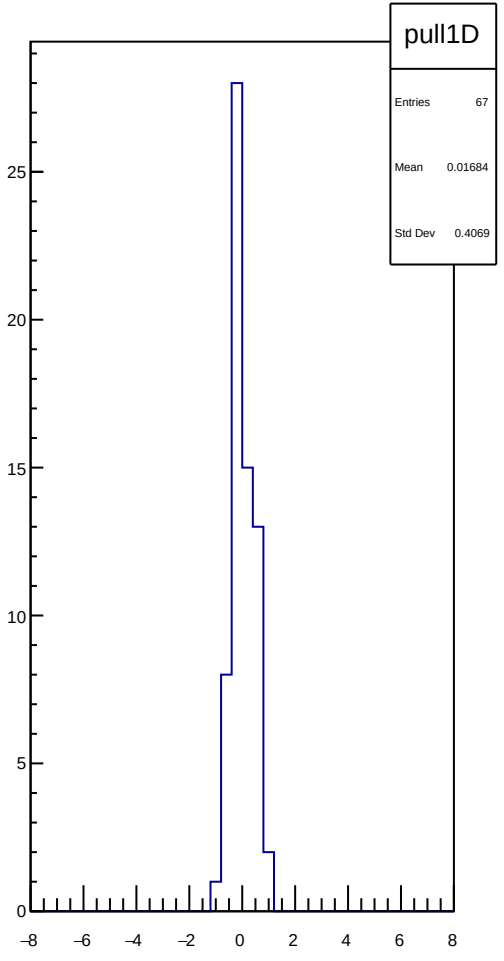

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.52 / 66
p0 −29.35 ± 0.2985
pull
Entries 67
Mean 85.17
Std Dev 37.48
pull1D
Entries 67
Mean −0.07552
Std Dev 0.9153

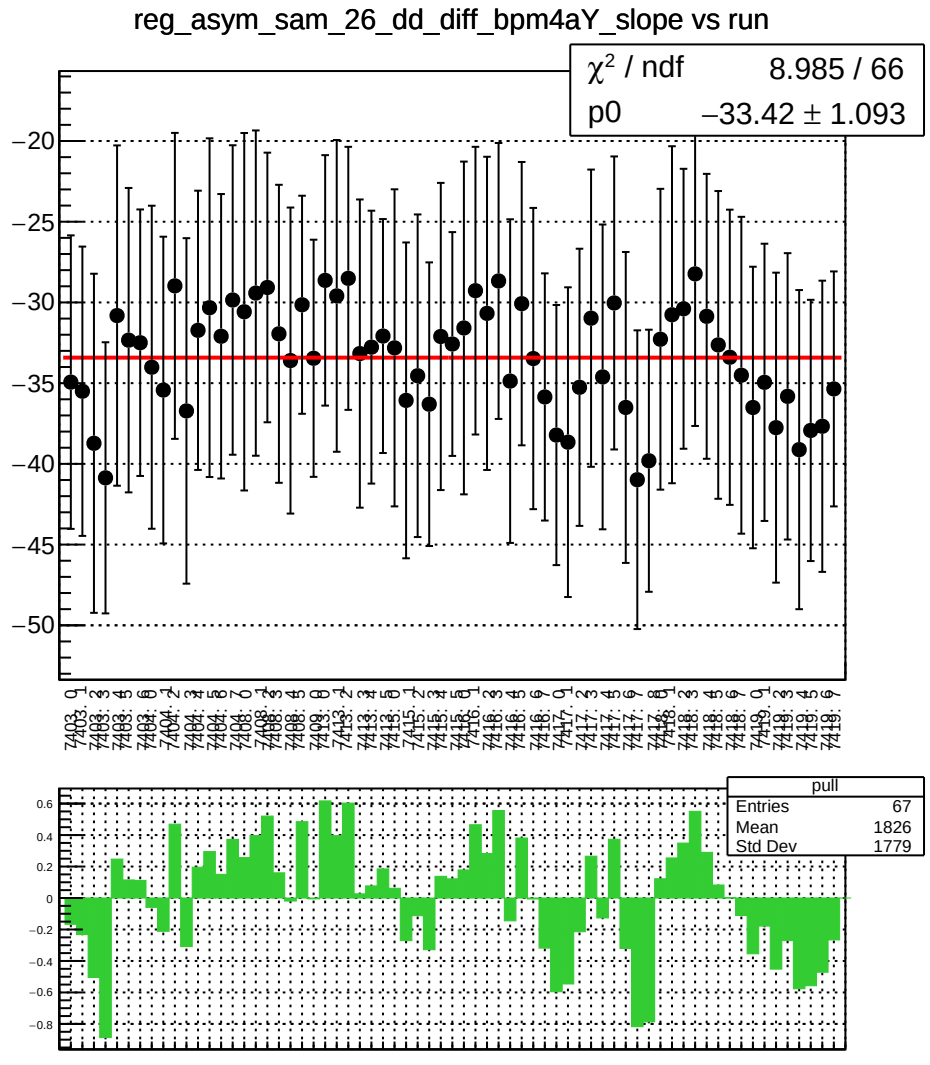

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.41 / 66
p0 −27.37 ± 0.3069
pull
Entries 67
Mean 89.58
Std Dev 81.69

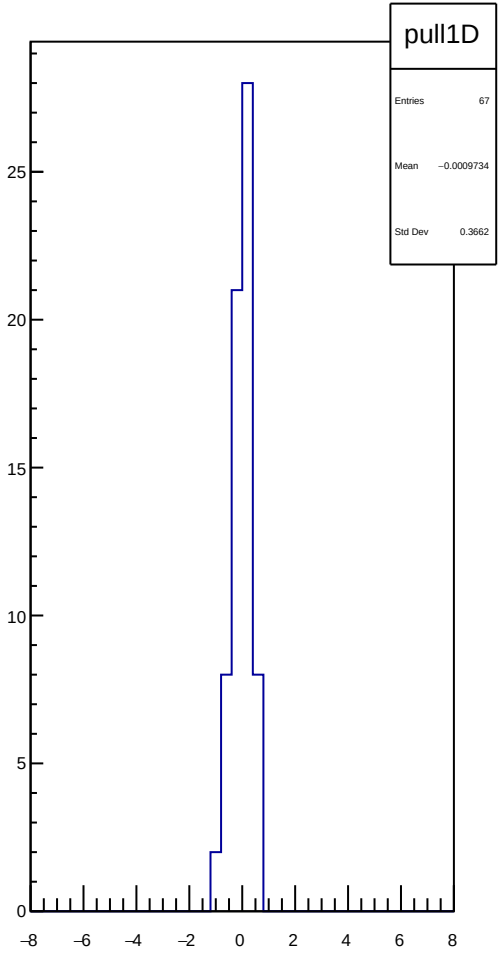

pull1D
Entries 67
Mean −0.03296
Std Dev 0.9251

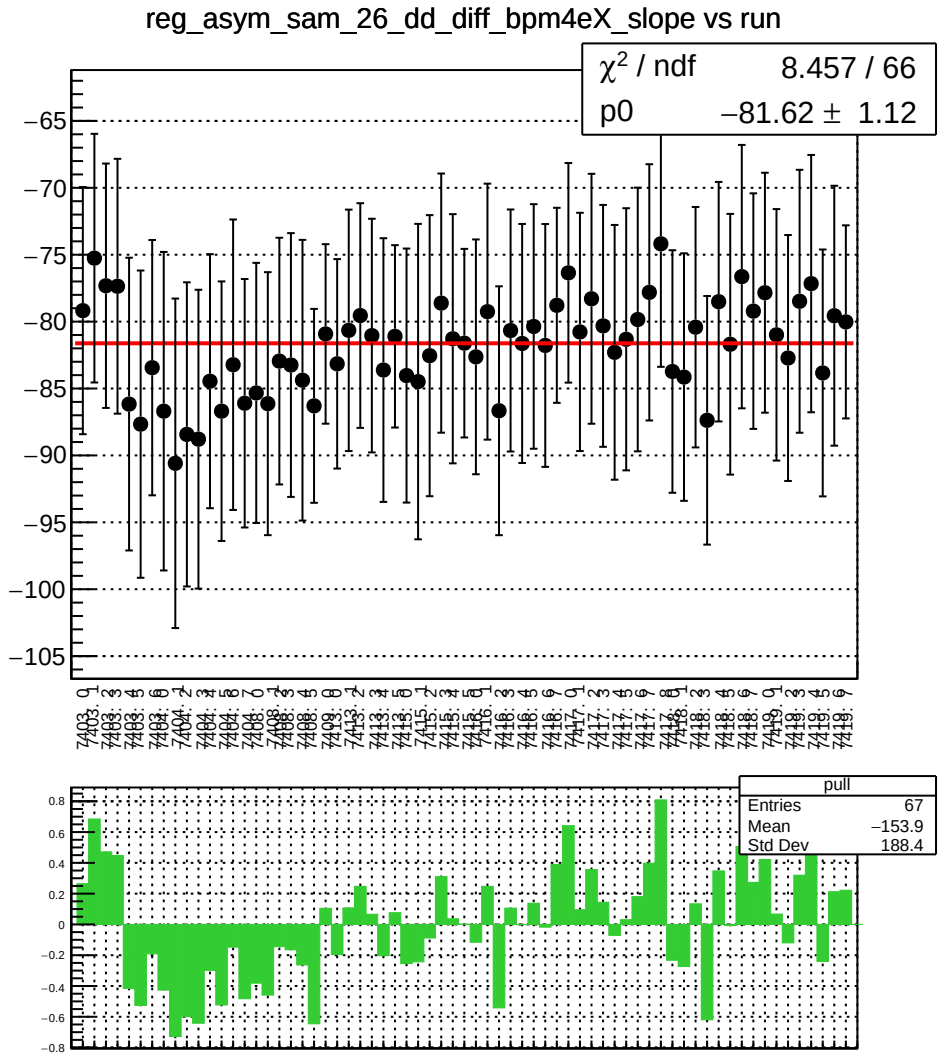

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.74 / 66
p0 0.5191± 0.01358
pull
Entries 67
Mean 811.6
Std Dev 776.5
pull1D
Entries 67
Mean 0.003691
Std Dev 0.3399

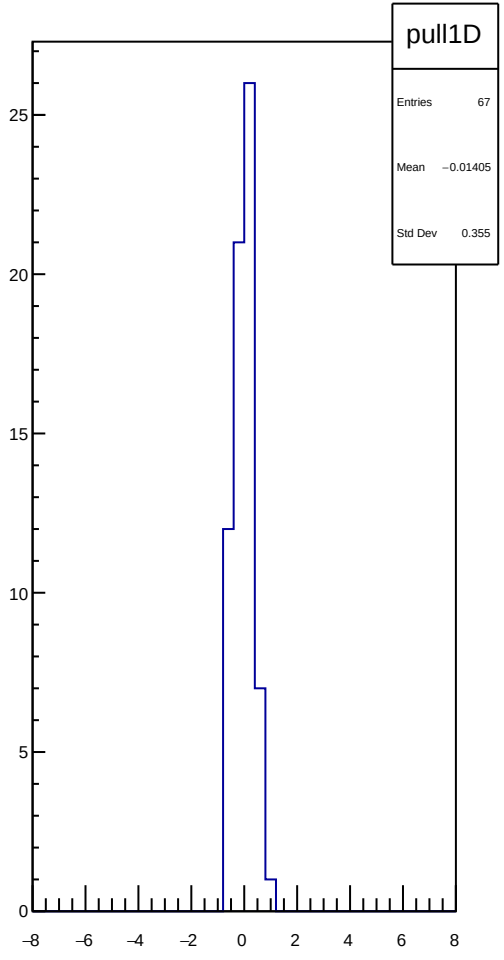

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.11 / 66
p0 −38.85 ± 1.078
pull
Entries 67
Mean −222.7
Std Dev 256.9

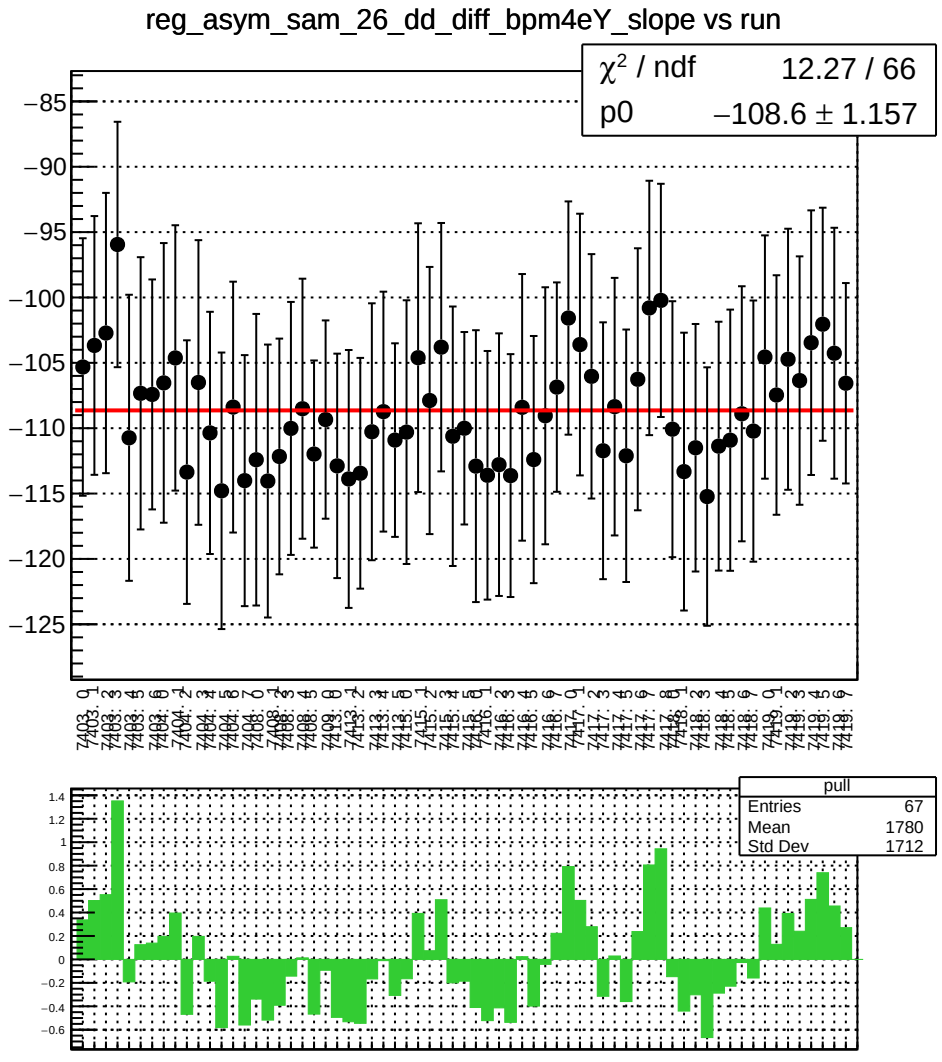

pull1D
Entries 67
Mean 0.01684
Std Dev 0.4069

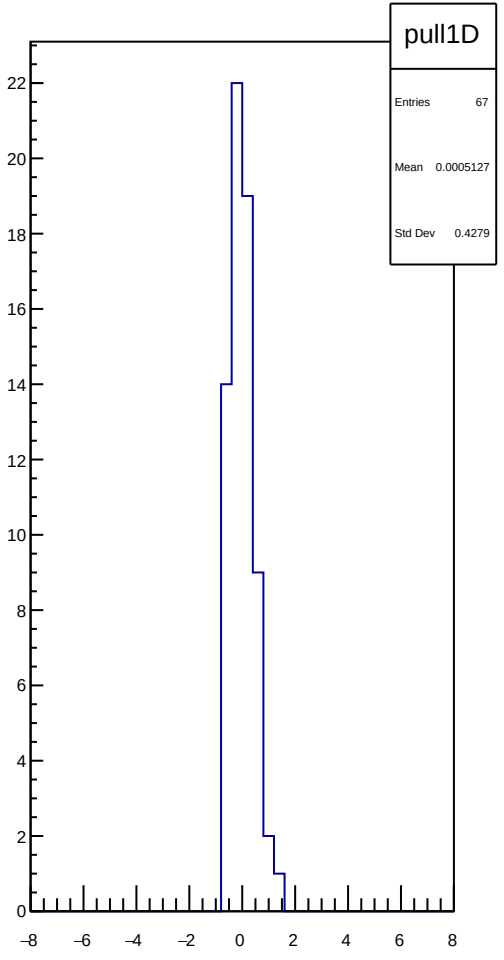

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.985 / 66
p0 −33.42 ± 1.093
pull
Entries 67
Mean 1826
Std Dev 1779

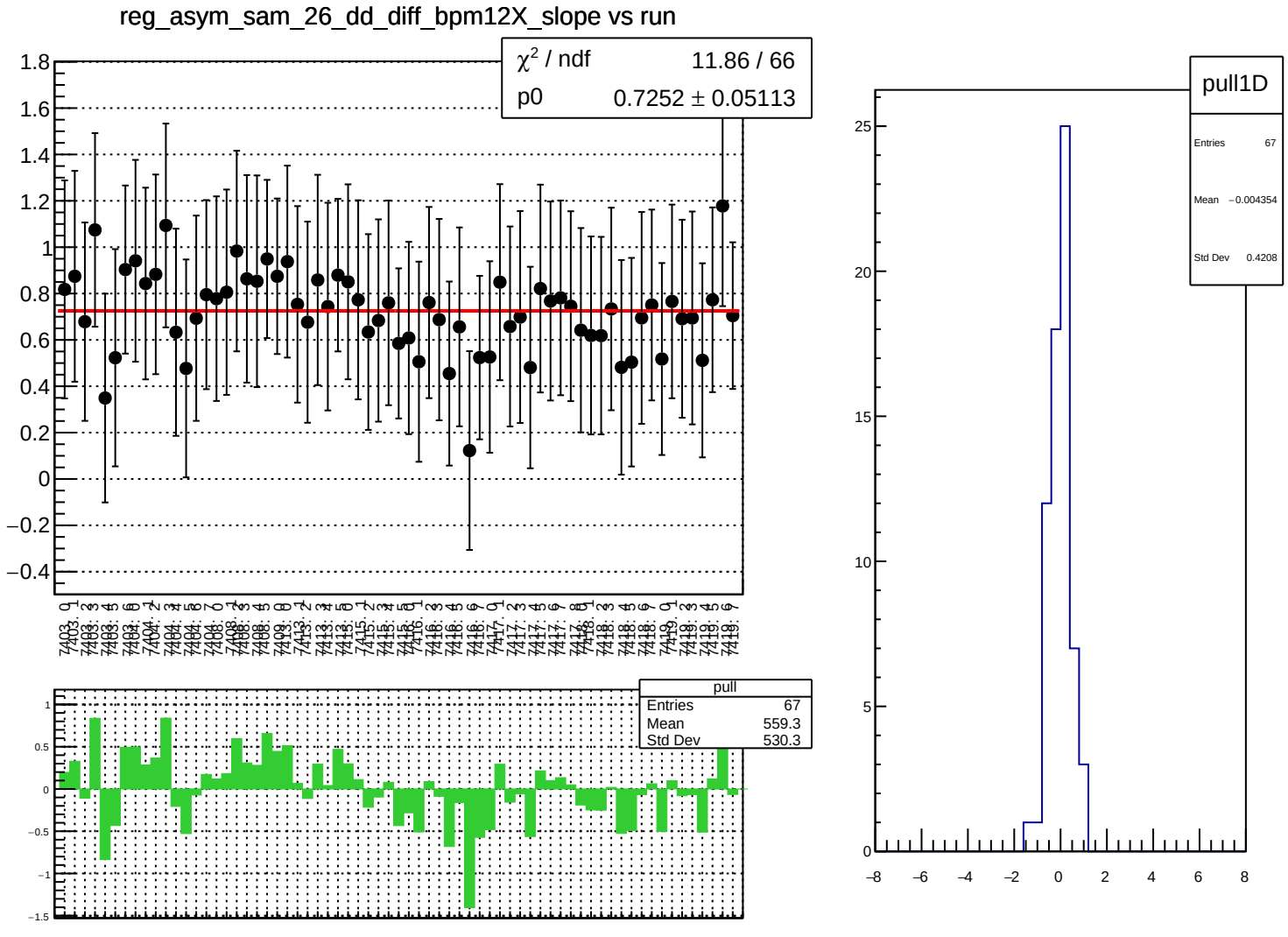

pull1D
Entries 67
Mean −0.0009734
Std Dev 0.3662

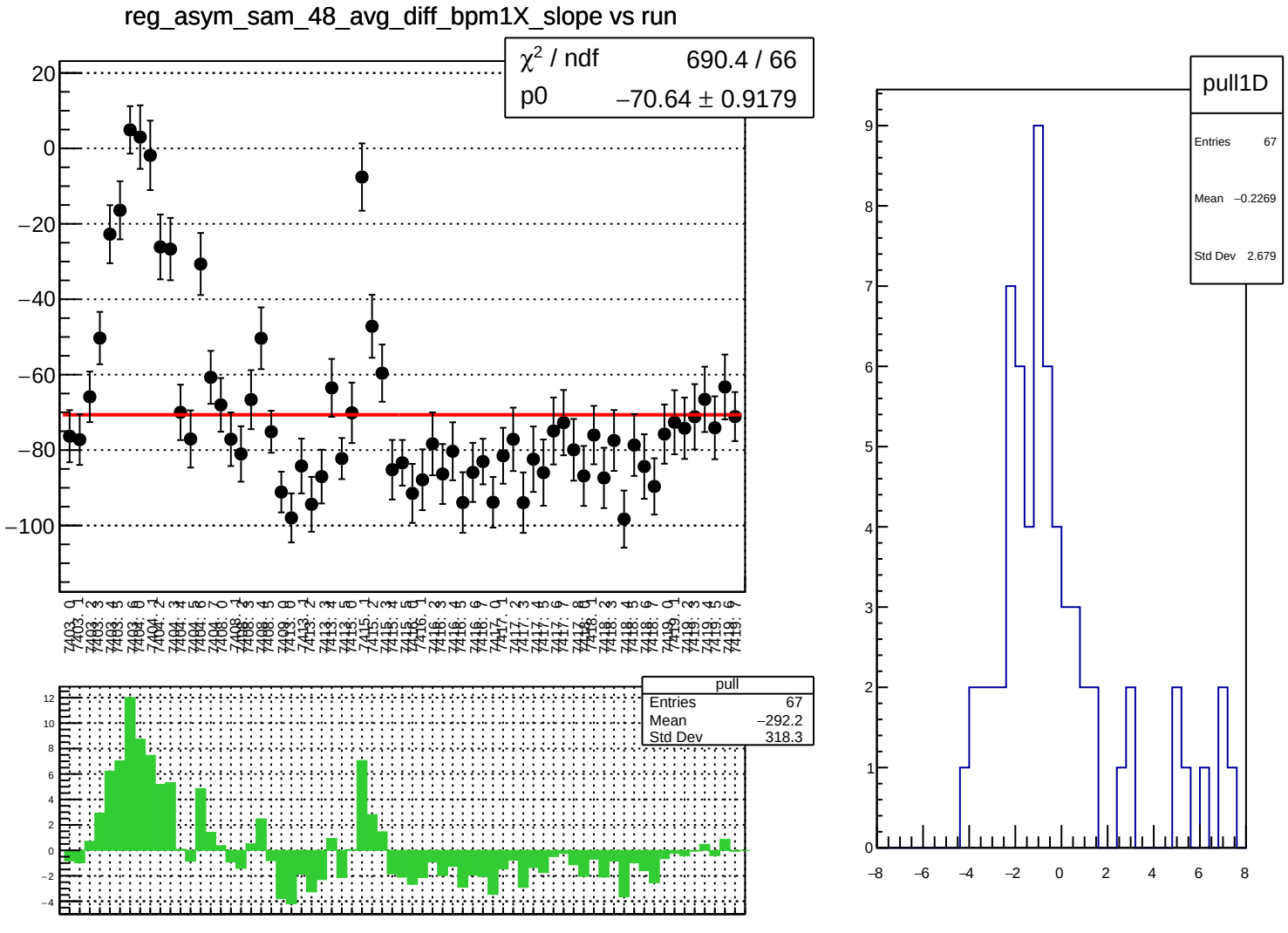

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.457 / 66
p0 −81.62 ± 1.12
pull
Entries 67
Mean −153.9
Std Dev 188.4

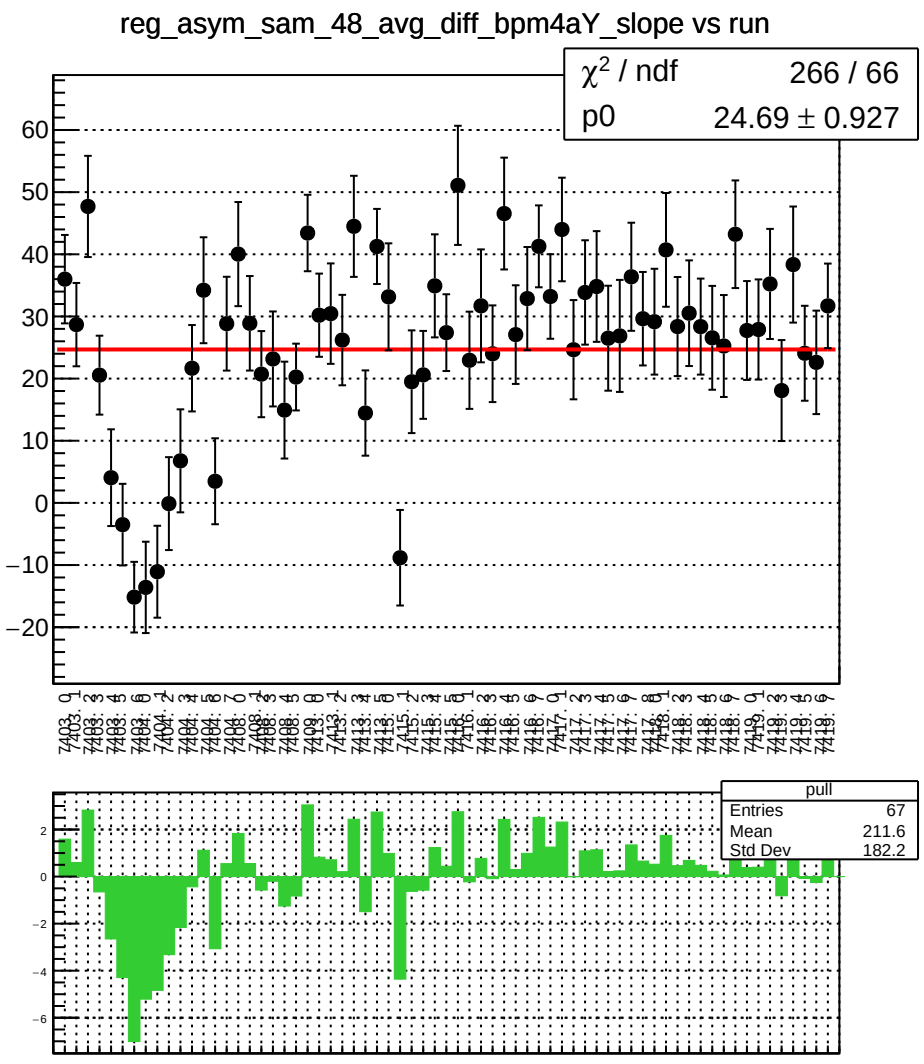

pull1D
Entries 67
Mean −0.01405
Std Dev 0.355

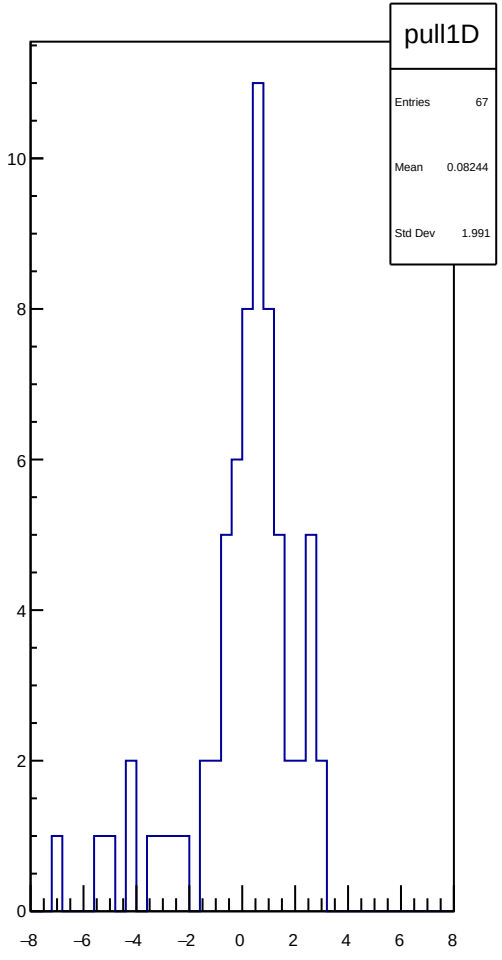

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.27 / 66
p0 −108.6 ± 1.157
pull
Entries 67
Mean 1780
Std Dev 1712

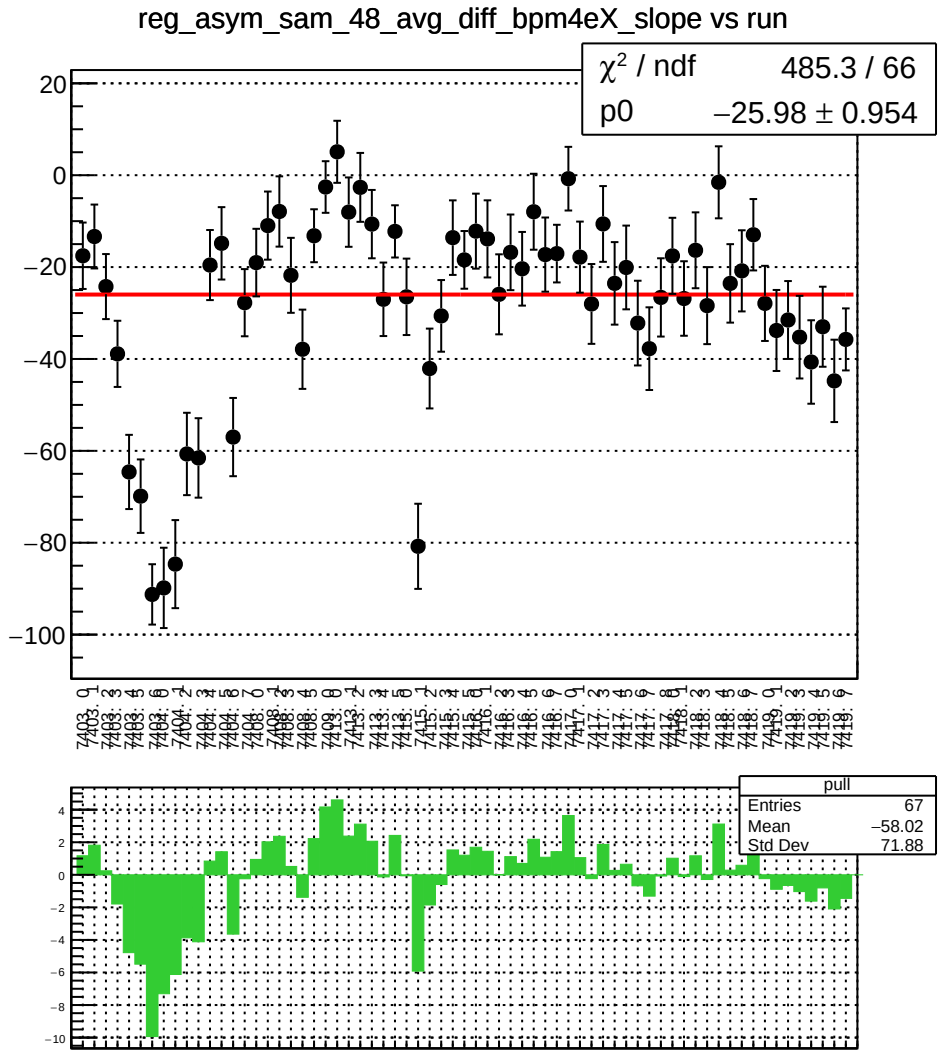

pull1D
Entries 67
Mean 0.0005127
Std Dev 0.4279

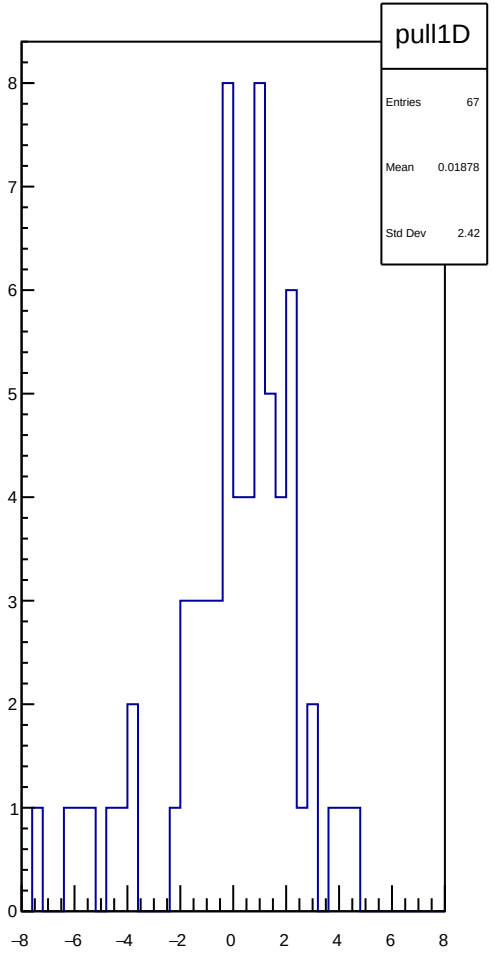

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.86 / 66
p0 0.7252 ± 0.05113
pull
Entries 67
Mean 559.3
Std Dev 530.3
pull1D
Entries 67
Mean −0.004354
Std Dev 0.4208

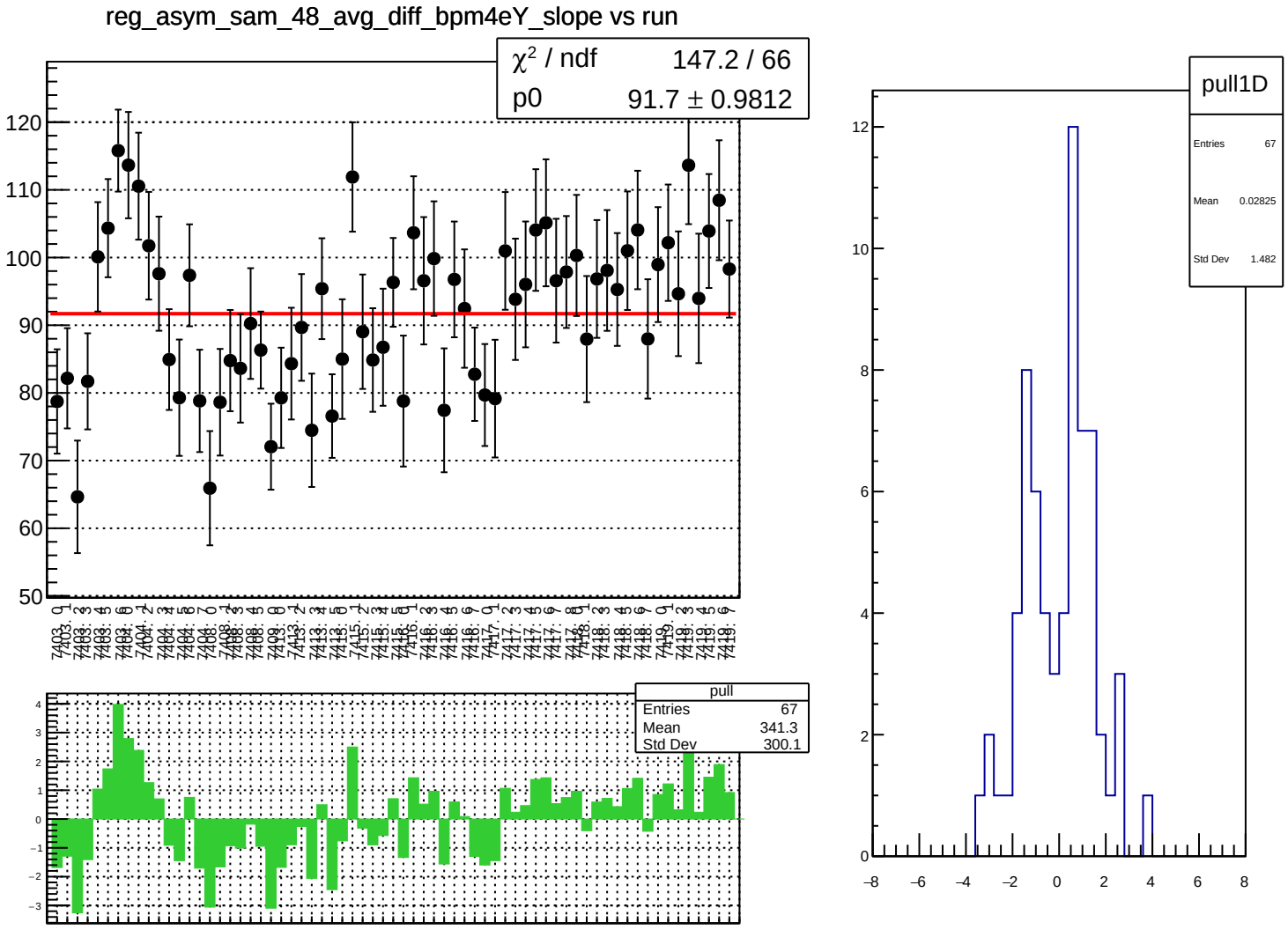

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 690.4 / 66
p0 −70.64 ± 0.9179
pull
Entries 67
Mean −292.2
Std Dev 318.3
pull1D
Entries 67
Mean −0.2269
Std Dev 2.679

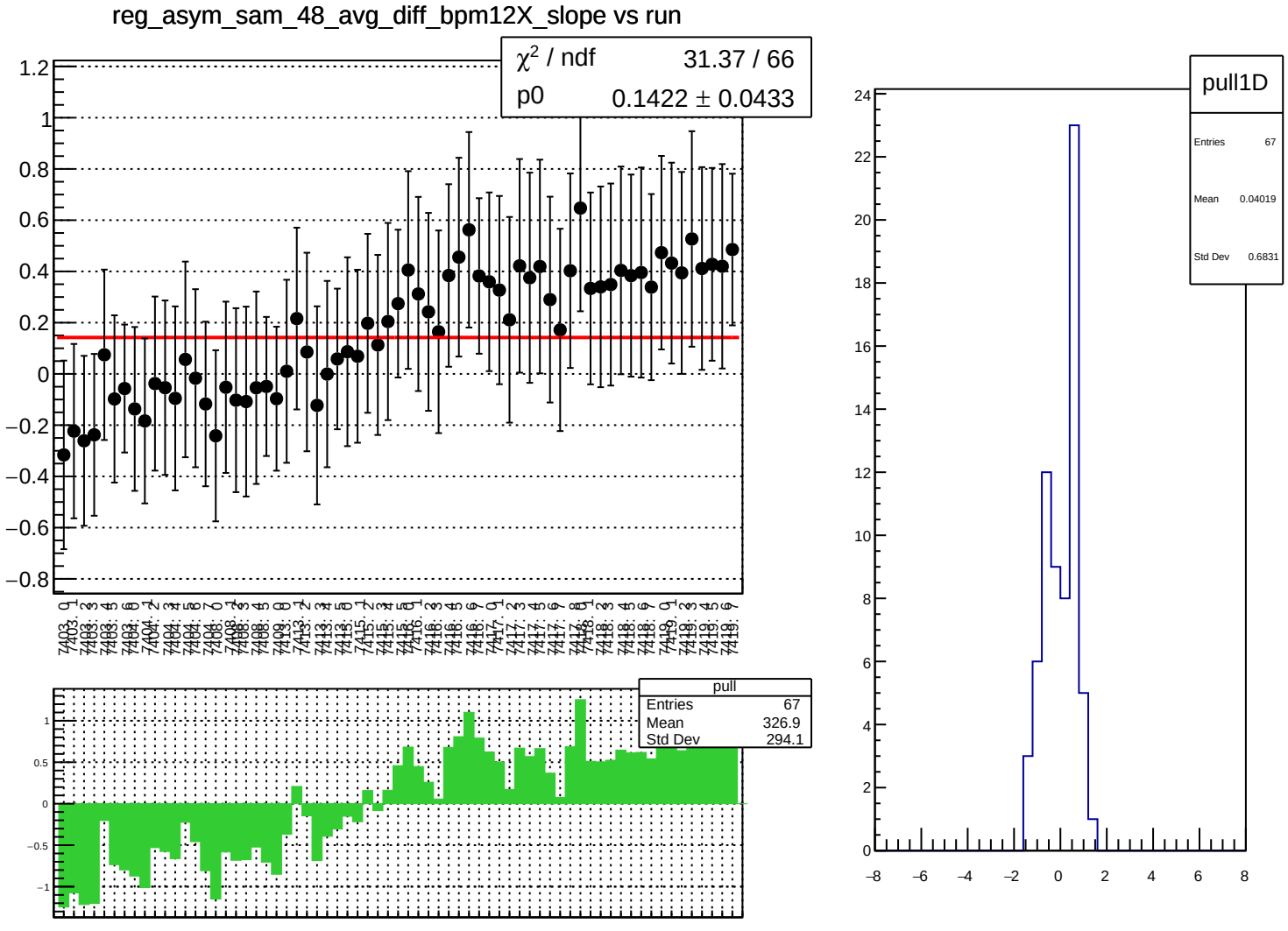

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 266 / 66
p0 24.69 ± 0.927
pull
Entries 67
Mean 211.6
Std Dev 182.2

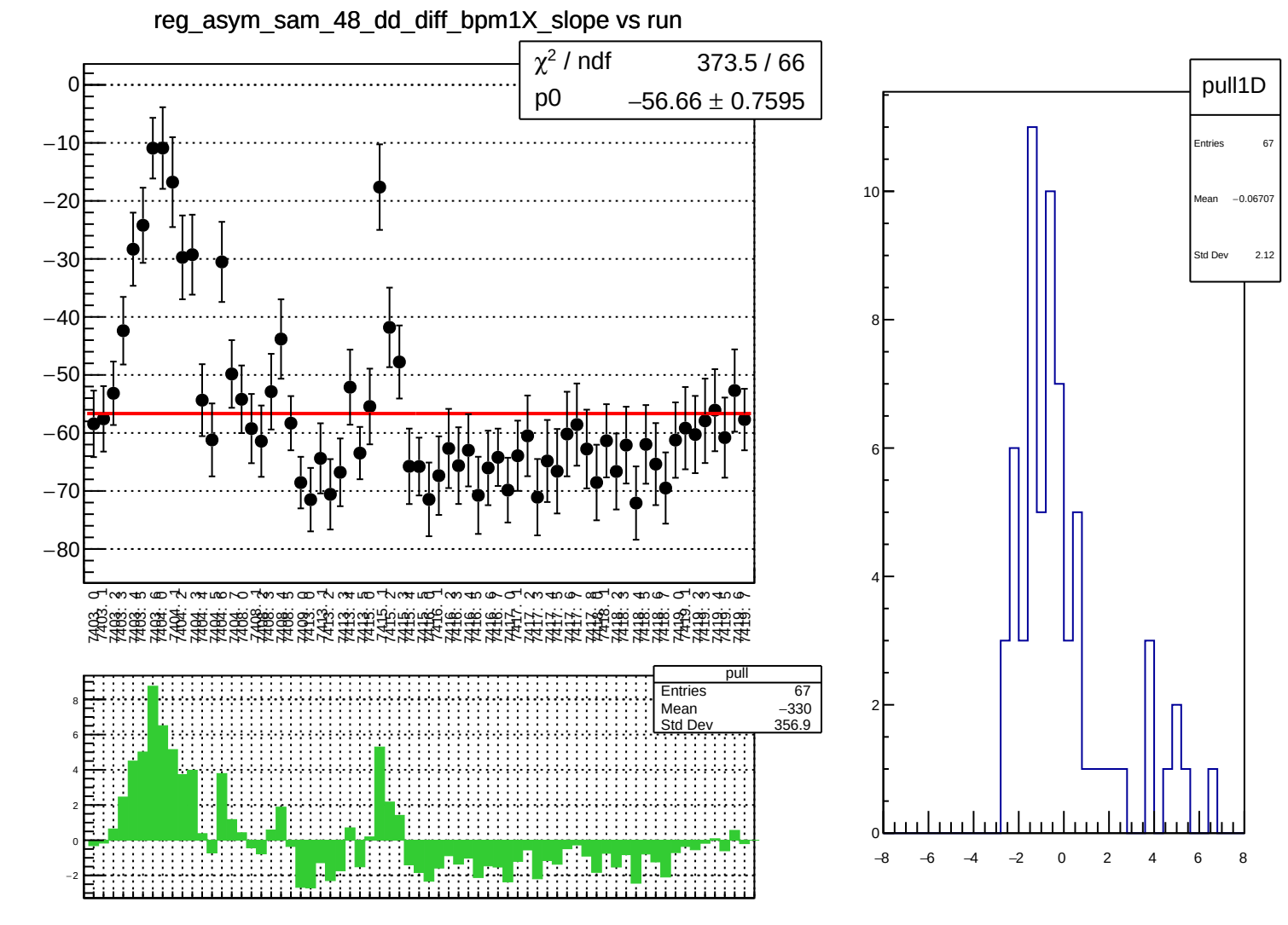

pull1D
Entries 67
Mean 0.08244
Std Dev 1.991

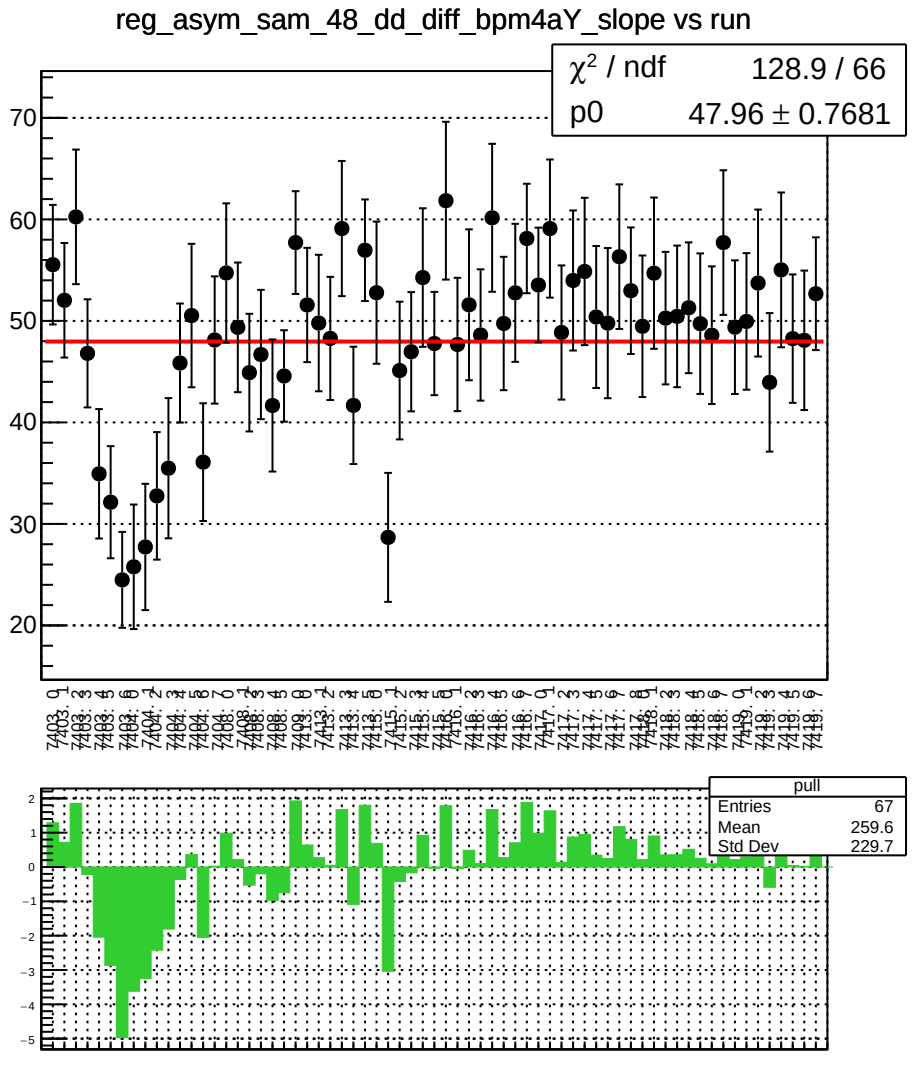

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 485.3 / 66
p0 −25.98 ± 0.954
pull
Entries 67
Mean −58.02
Std Dev 71.88

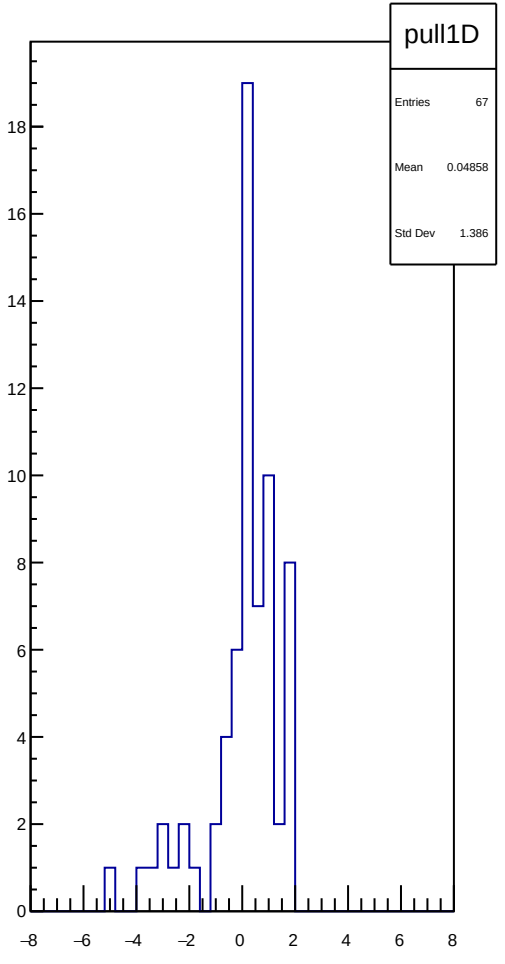

pull1D
Entries 67
Mean 0.01878
Std Dev 2.42

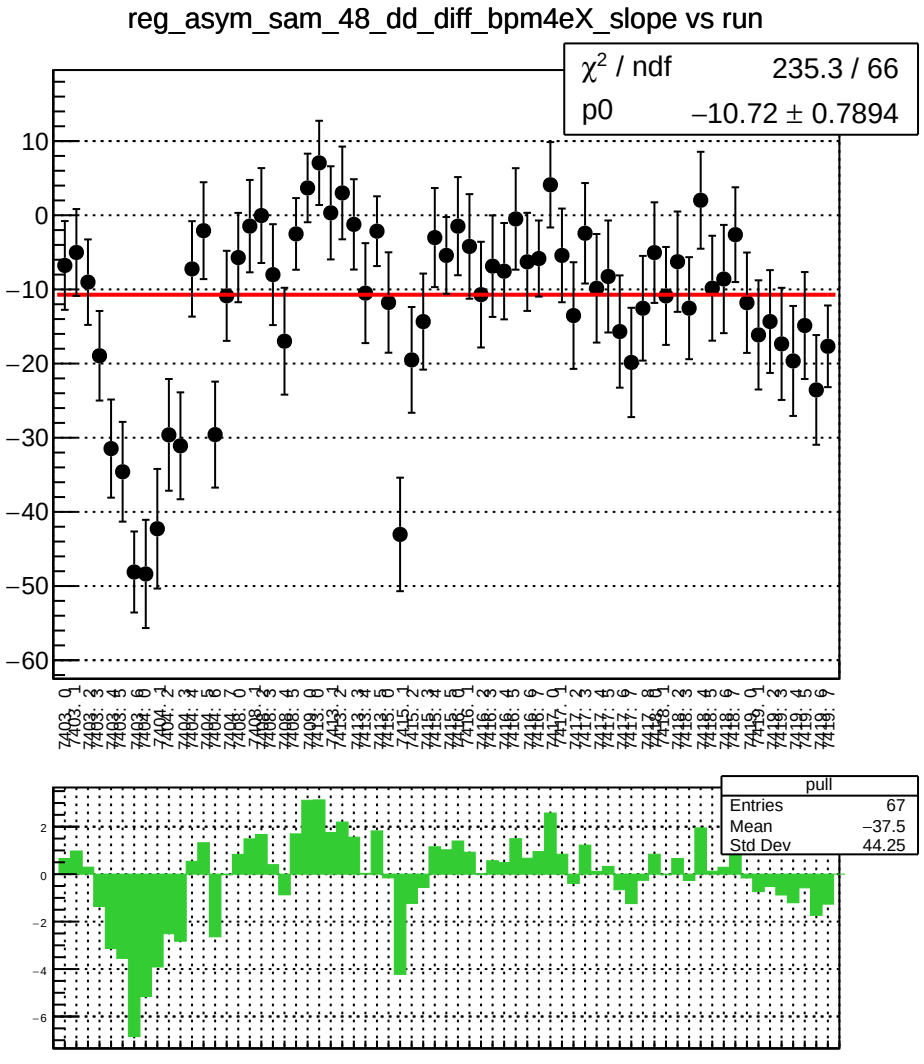

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 147.2 / 66
p0 91.7 ± 0.9812
pull
Entries 67
Mean 341.3
Std Dev 300.1
pull1D
Entries 67
Mean 0.02825
Std Dev 1.482

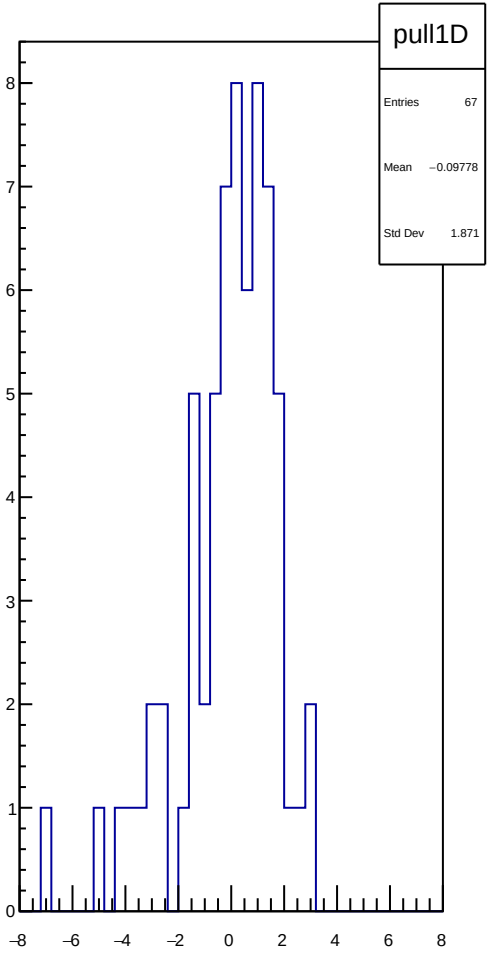

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 31.37 / 66
p0 0.1422 ± 0.0433
pull
Entries 67
Mean 326.9
Std Dev 294.1
pull1D
Entries 67
Mean 0.04019
Std Dev 0.6831

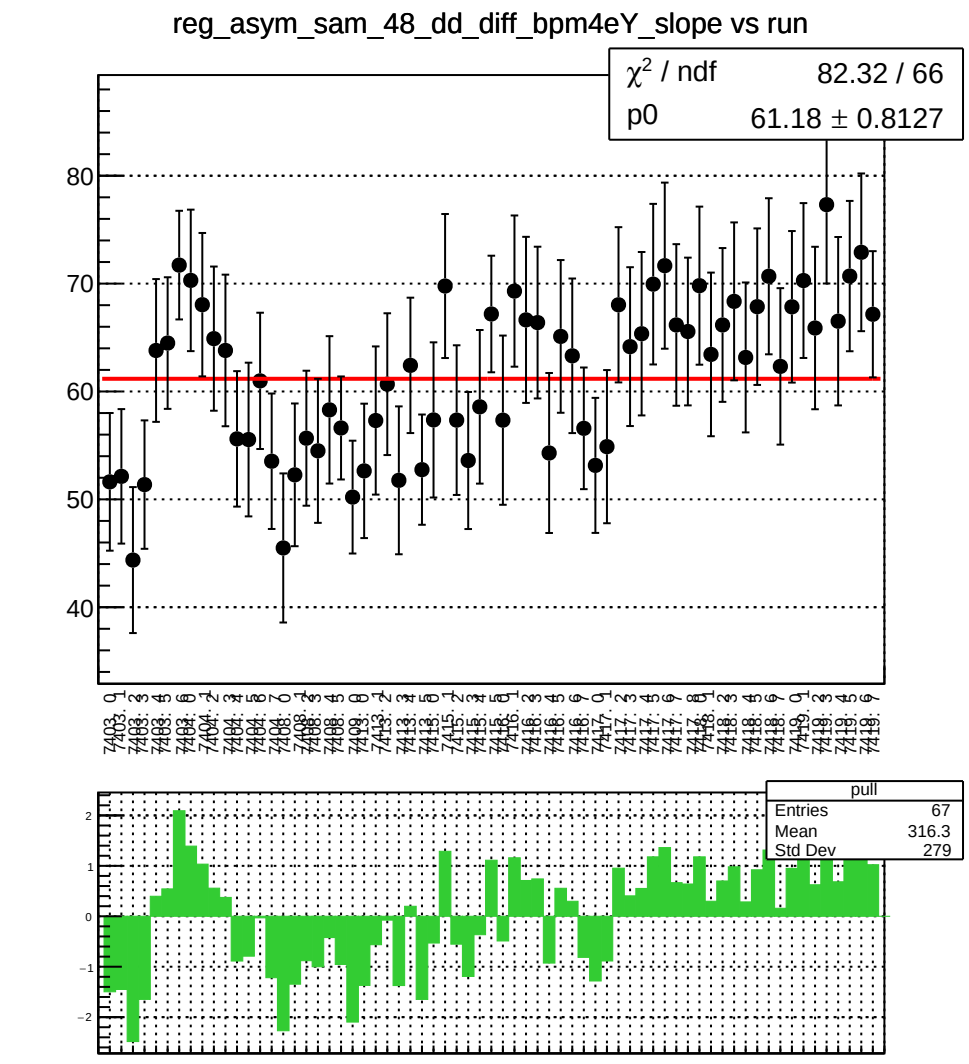

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 373.5 / 66
p0 −56.66 ± 0.7595
pull
Entries 67
Mean −330
Std Dev 356.9
pull1D
Entries 67
Mean −0.06707
Std Dev 2.12

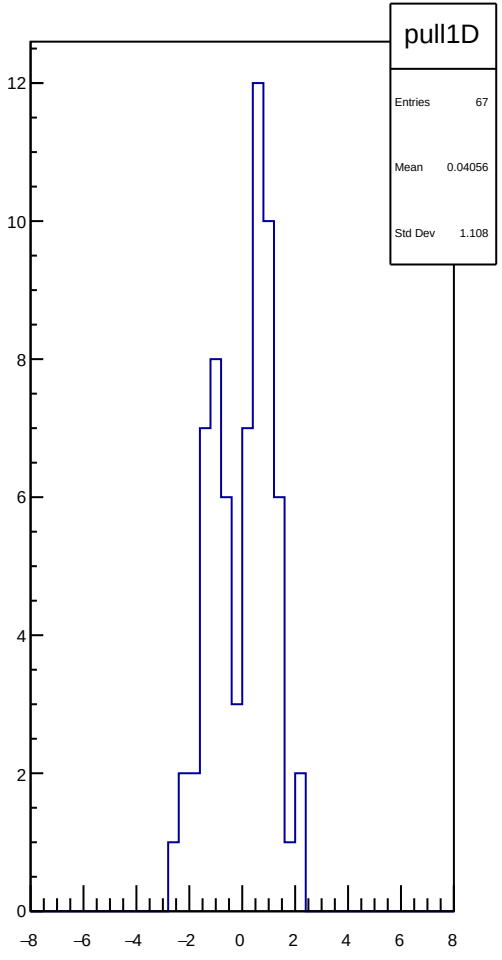

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 128.9 / 66
p0 47.96 ± 0.7681
pull
Entries 67
Mean 259.6
Std Dev 229.7

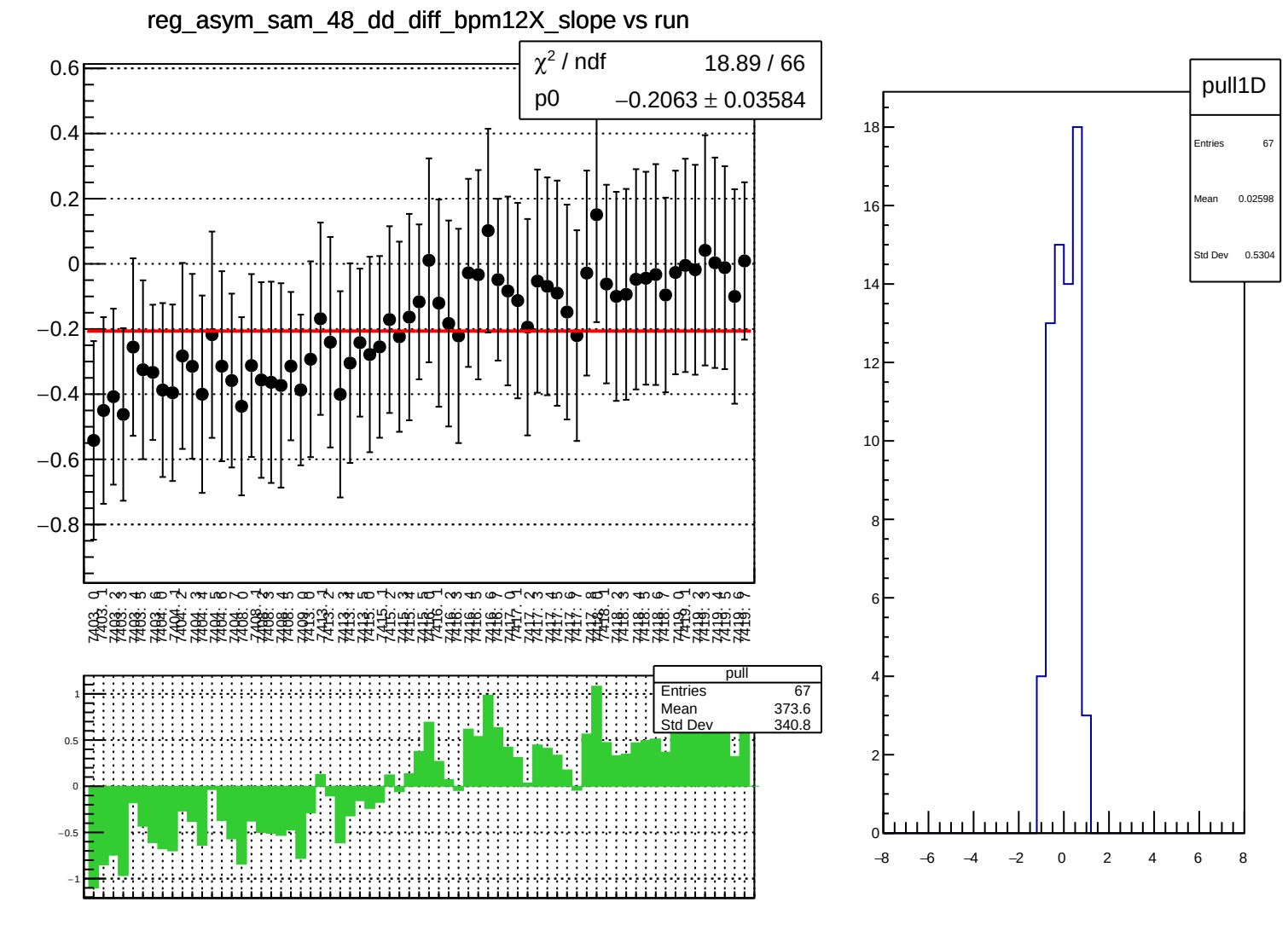

pull1D
Entries 67
Mean 0.04858
Std Dev 1.386

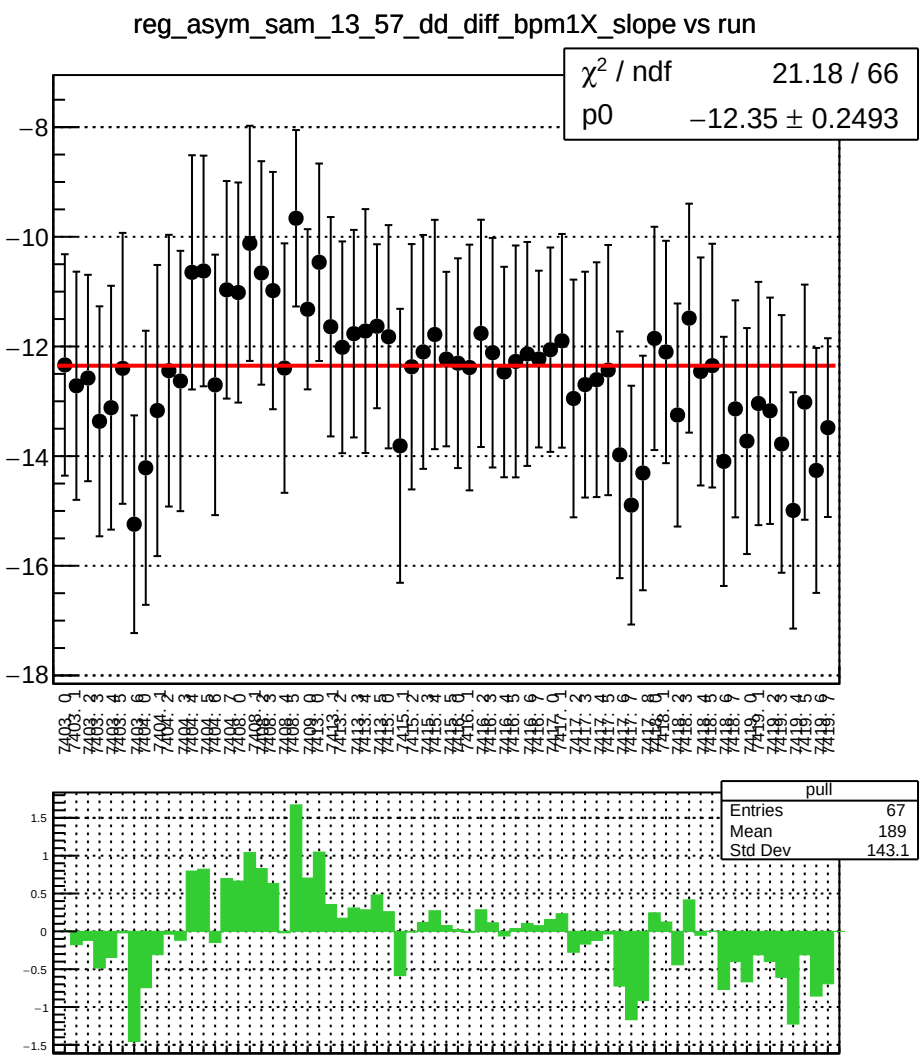

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 235.3 / 66
p0 −10.72 ± 0.7894
pull
Entries 67
Mean −37.5
Std Dev 44.25

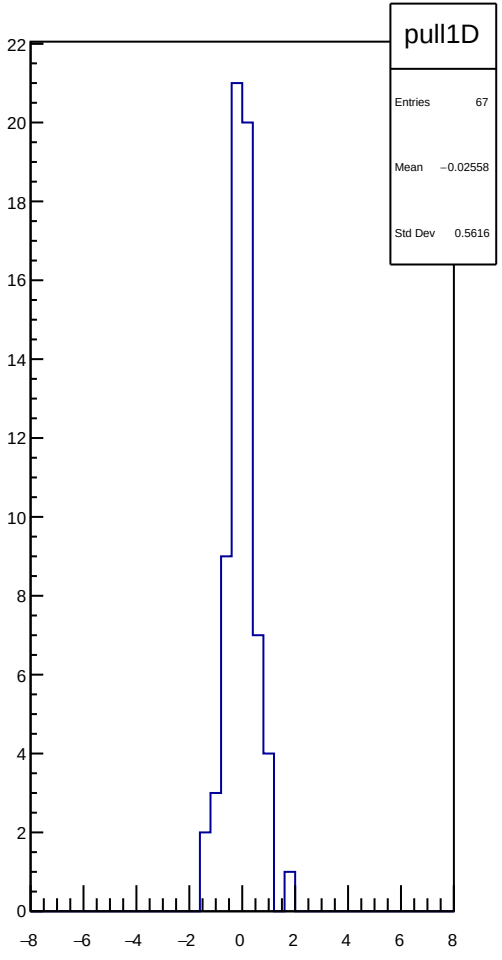

pull1D
Entries 67
Mean −0.09778
Std Dev 1.871

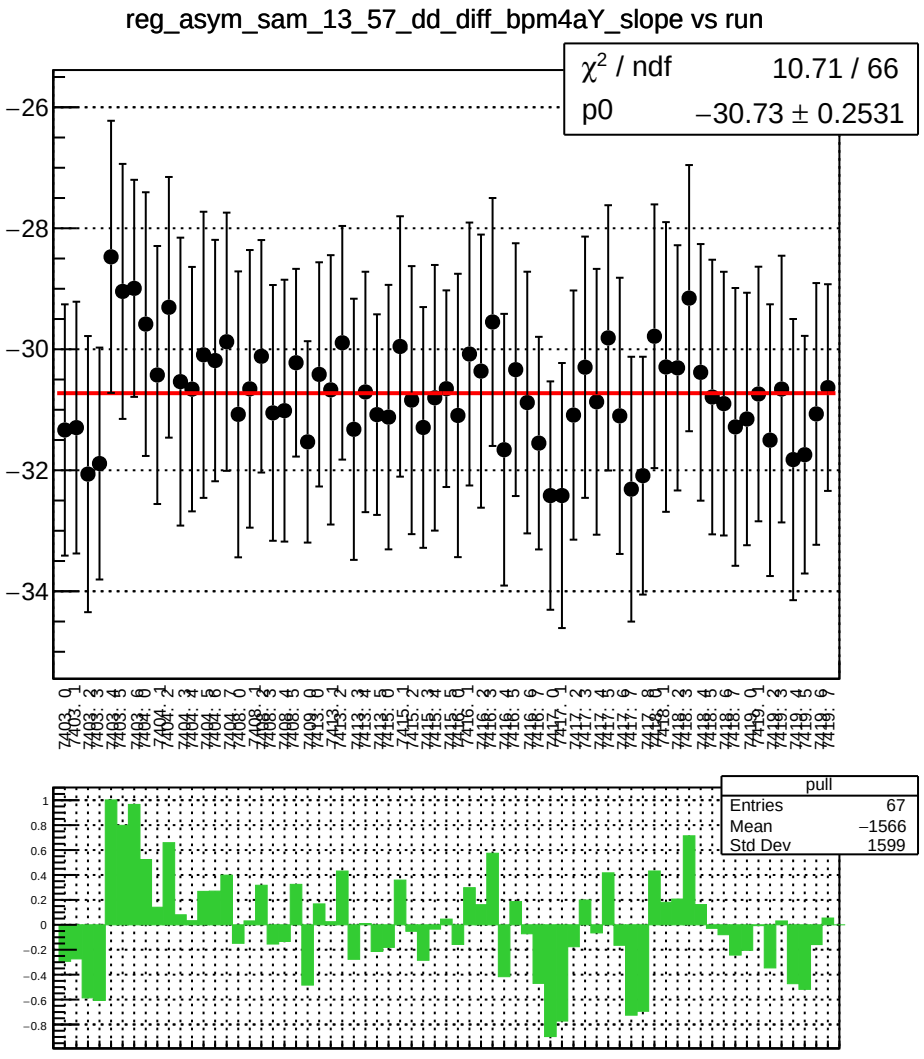

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.32 / 66
p0 61.18 ± 0.8127
80
70
60
50
40
pull
Entries 67
Mean 316.3
Std Dev 279
2
1
0
−1
−2

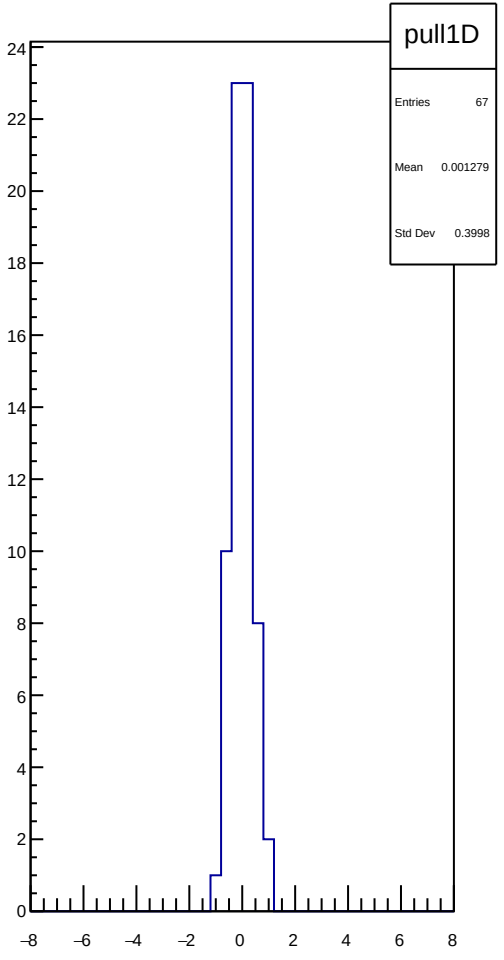

pull1D
Entries 67
Mean 0.04056
Std Dev 1.108
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

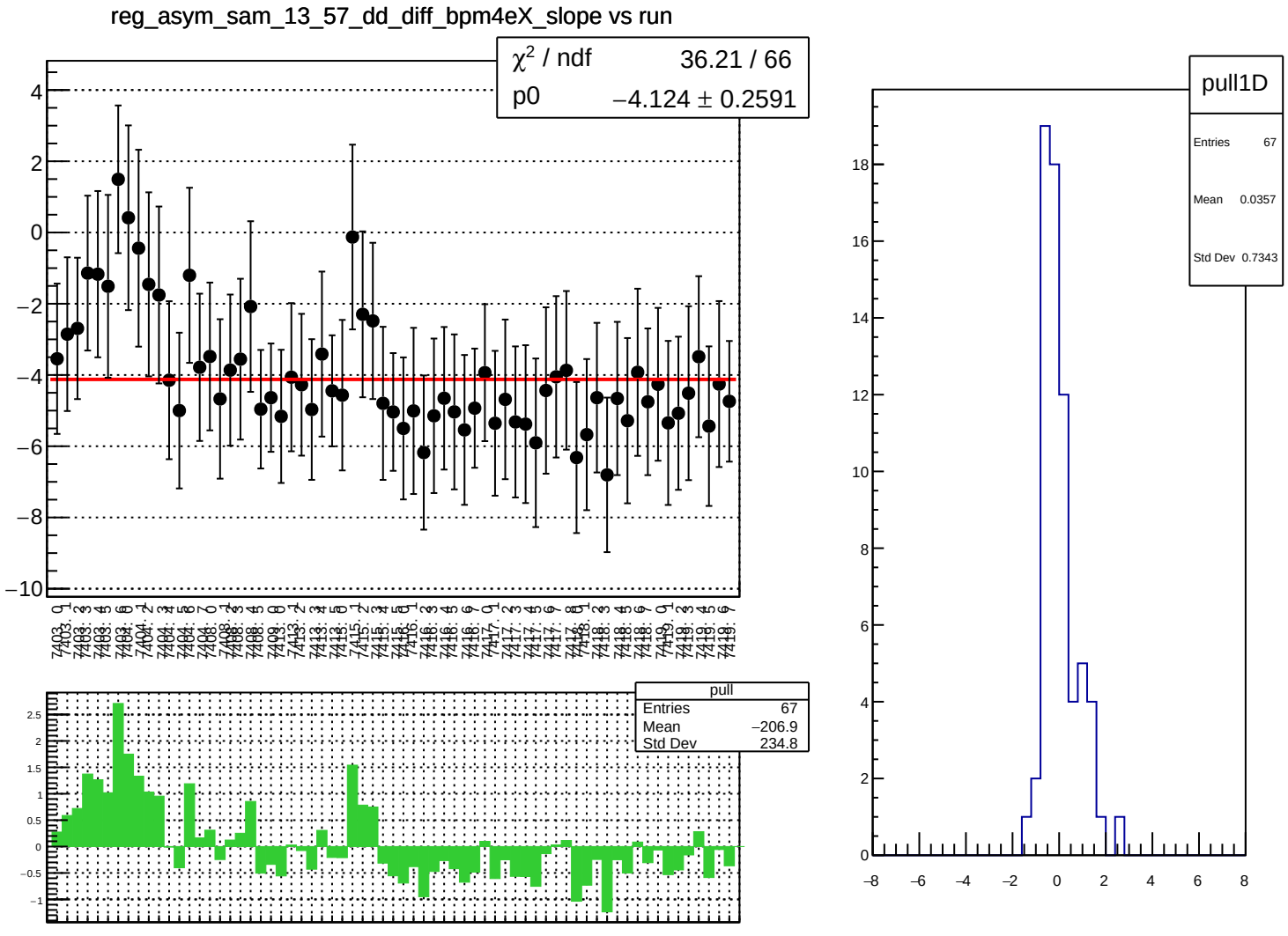

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.89 / 66
p0 −0.2063 ± 0.03584
pull
Entries 67
Mean 373.6
Std Dev 340.8
pull1D
Entries 67
Mean 0.02598
Std Dev 0.5304

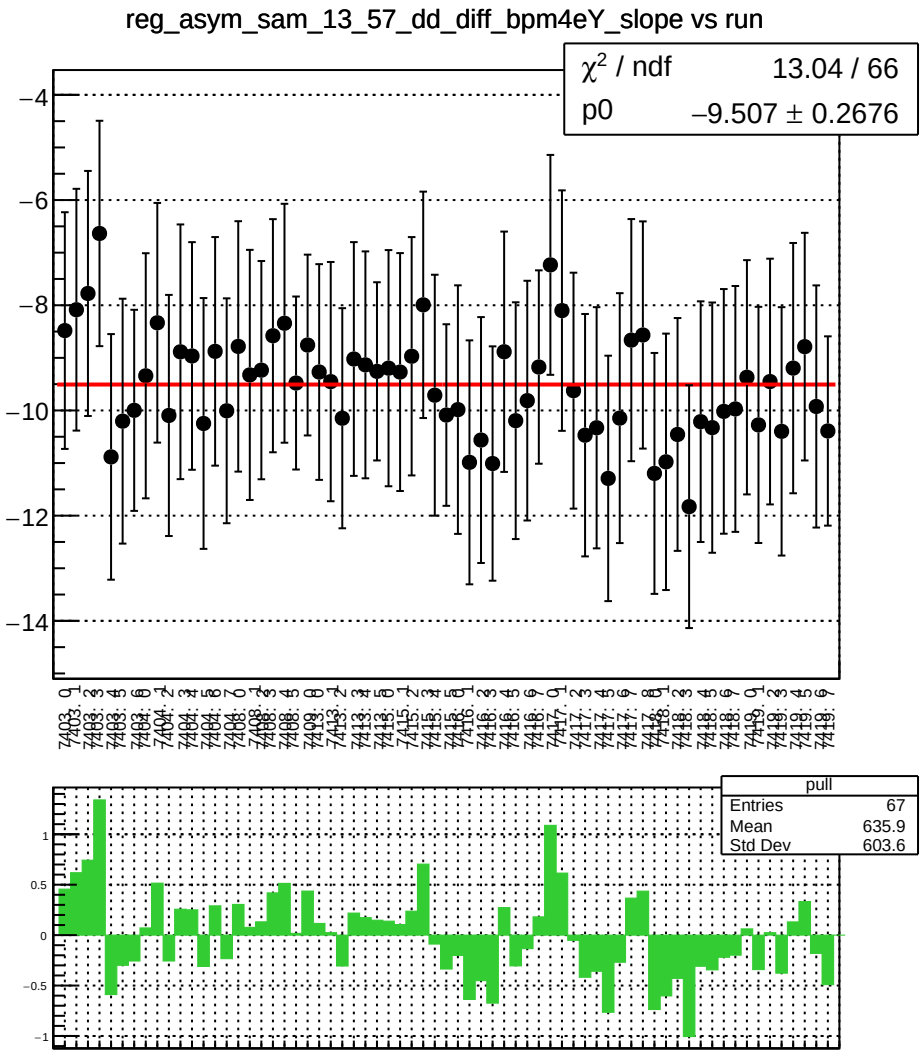

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 21.18 / 66
p0 −12.35 ± 0.2493
pull
Entries 67
Mean 189
Std Dev 143.1

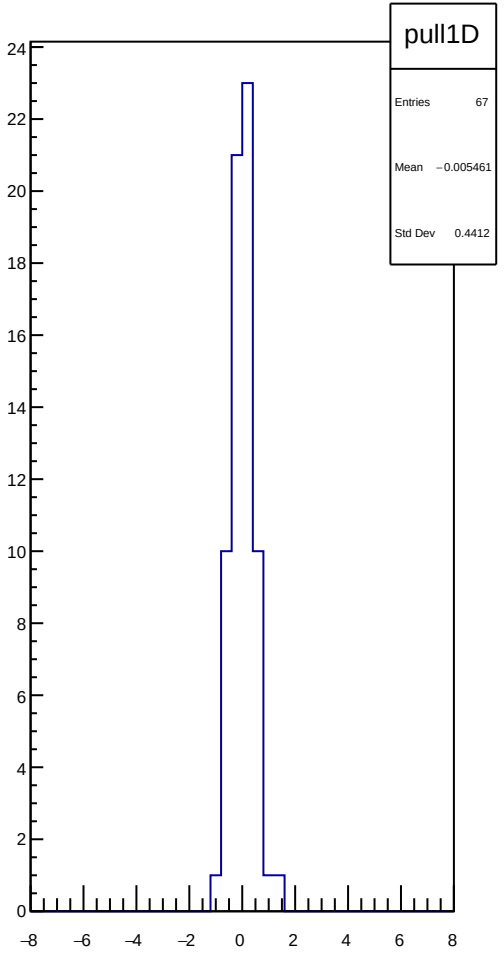

pull1D
Entries 67
Mean −0.02558
Std Dev 0.5616

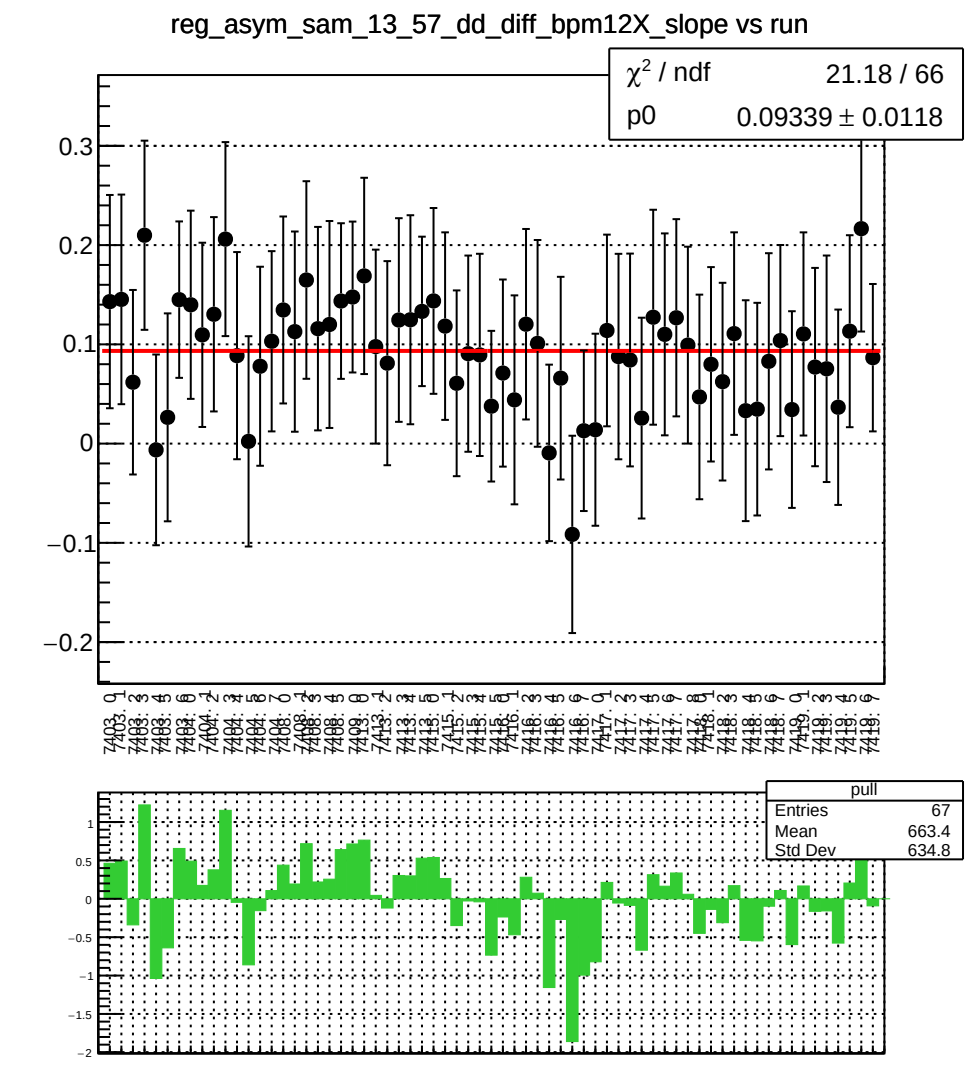

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.71 / 66
p0 −30.73 ± 0.2531
pull
Entries 67
Mean −1566
Std Dev 1599

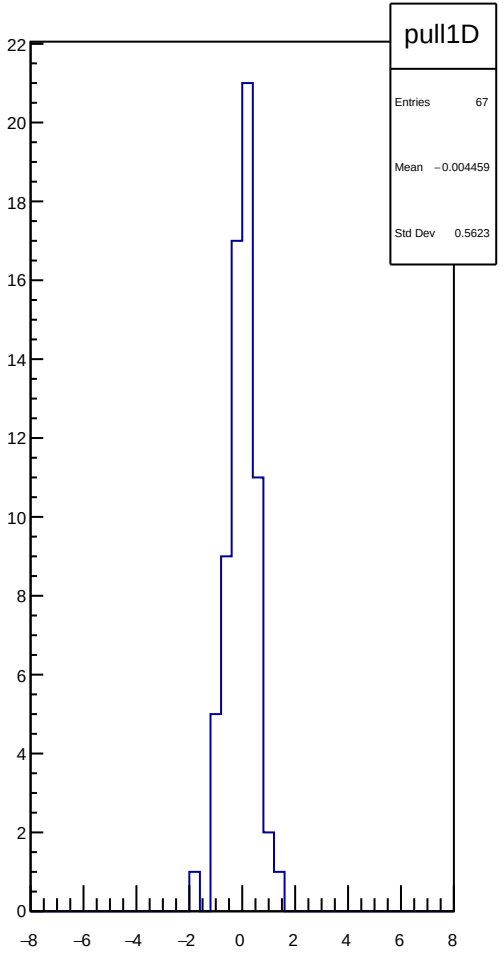

pull1D
Entries 67
Mean 0.001279
Std Dev 0.3998

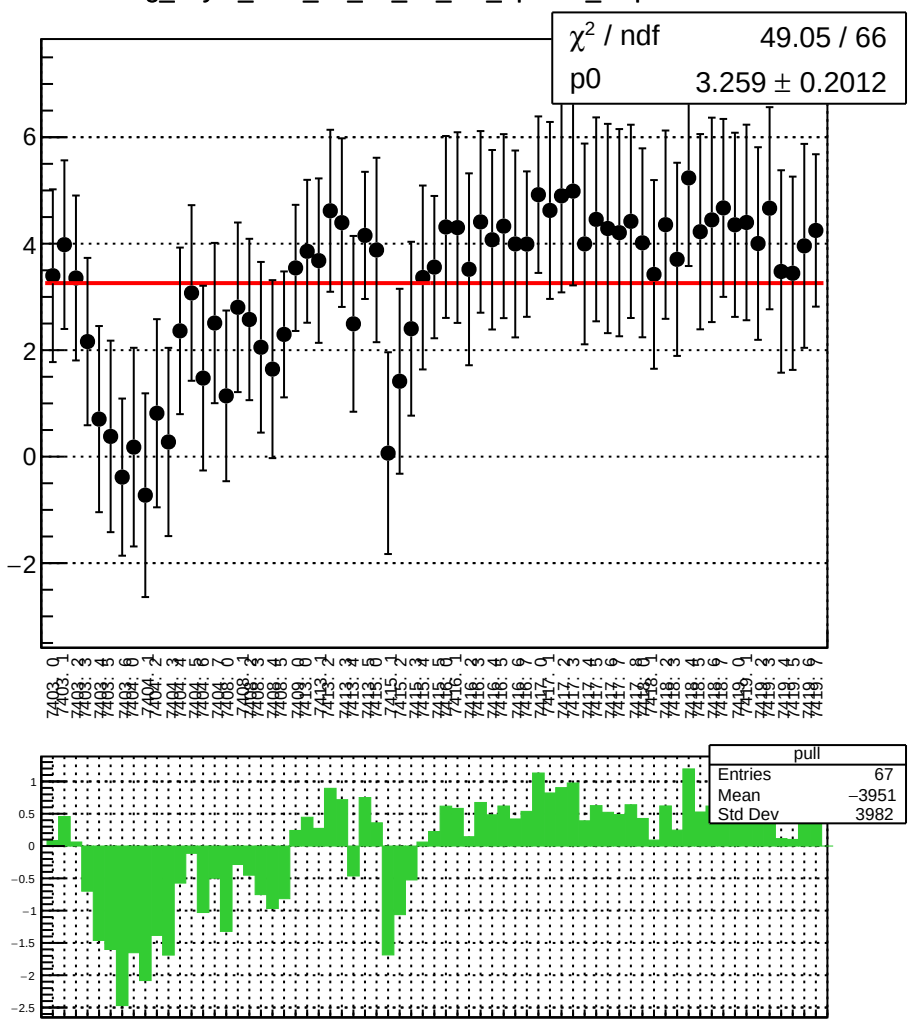

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.21 / 66
p0 −4.124 ± 0.2591
pull
Entries 67
Mean −206.9
Std Dev 234.8
pull1D
Entries 67
Mean 0.0357
Std Dev 0.7343

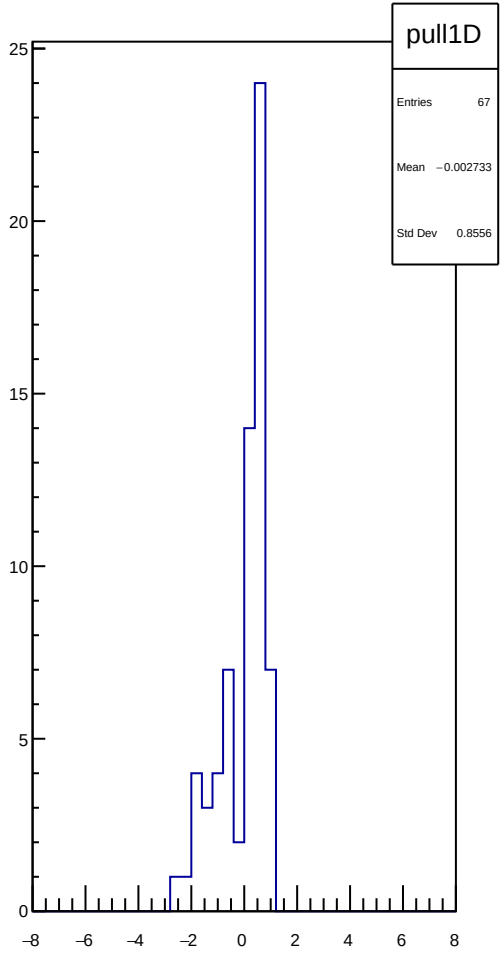

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.04 / 66
p0 −9.507 ± 0.2676
pull
Entries 67
Mean 635.9
Std Dev 603.6

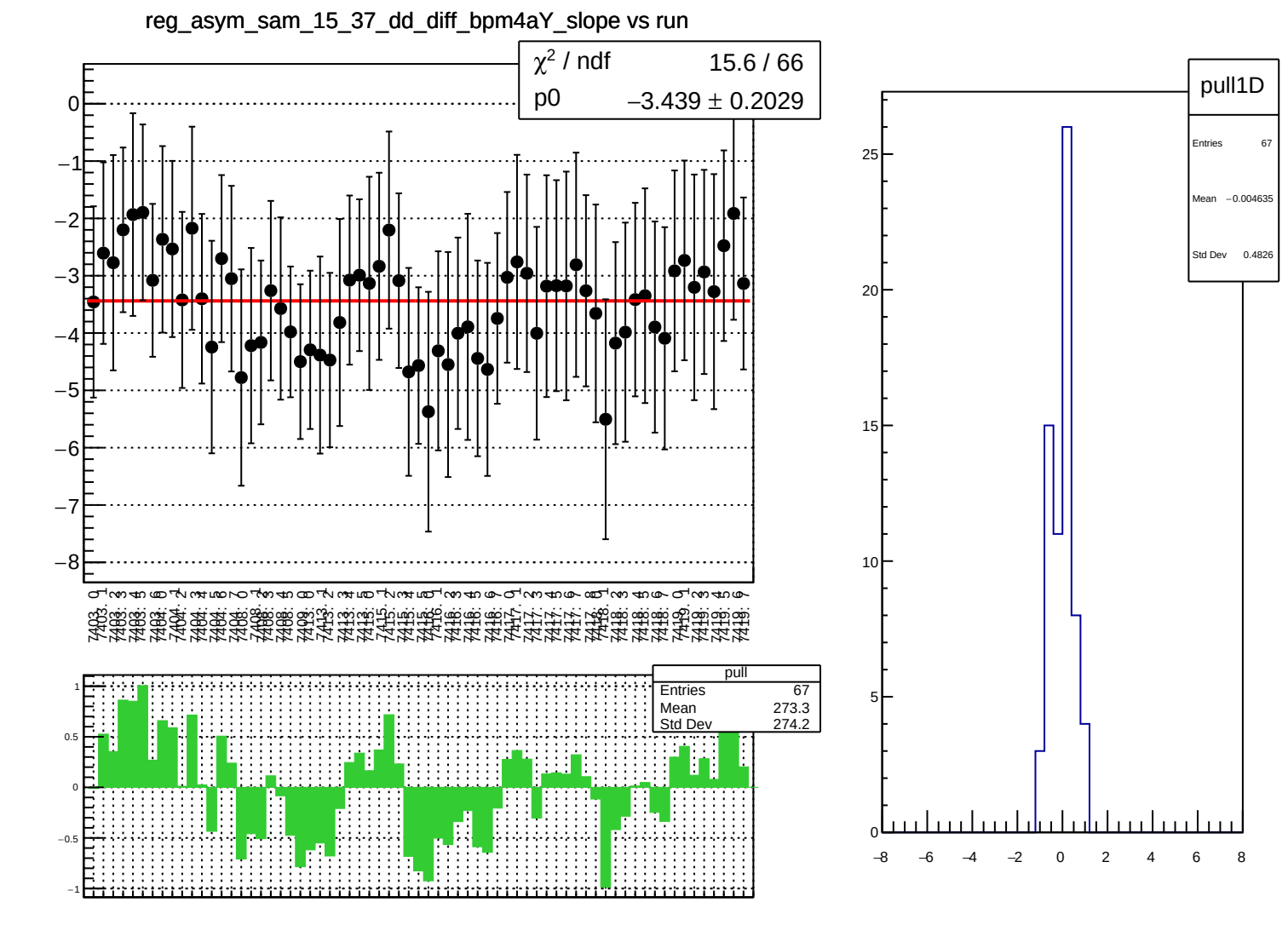

pull1D
Entries 67
Mean −0.005461
Std Dev 0.4412

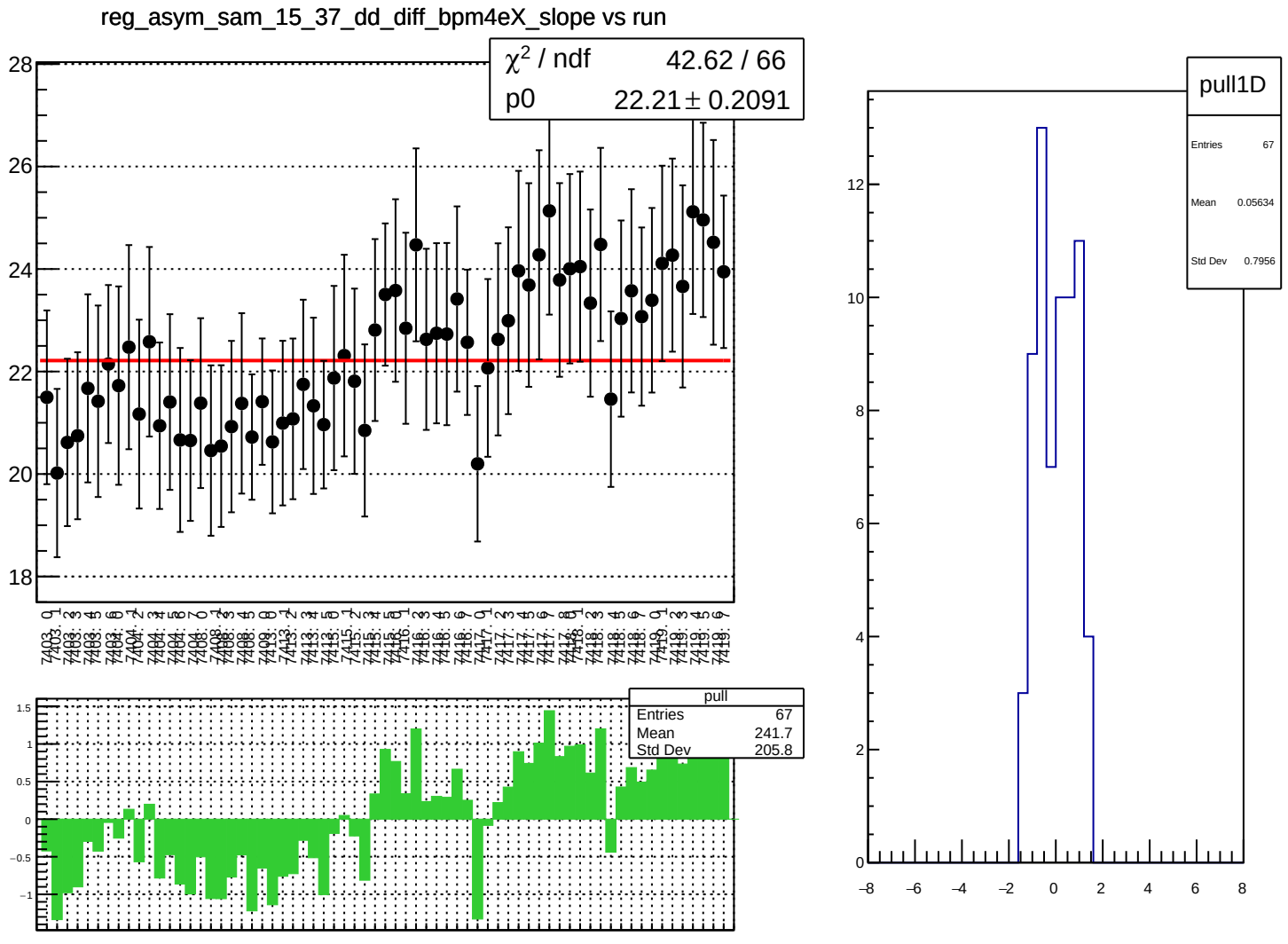

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 21.18 / 66
p0 0.09339 ± 0.0118
pull
Entries 67
Mean 663.4
Std Dev 634.8

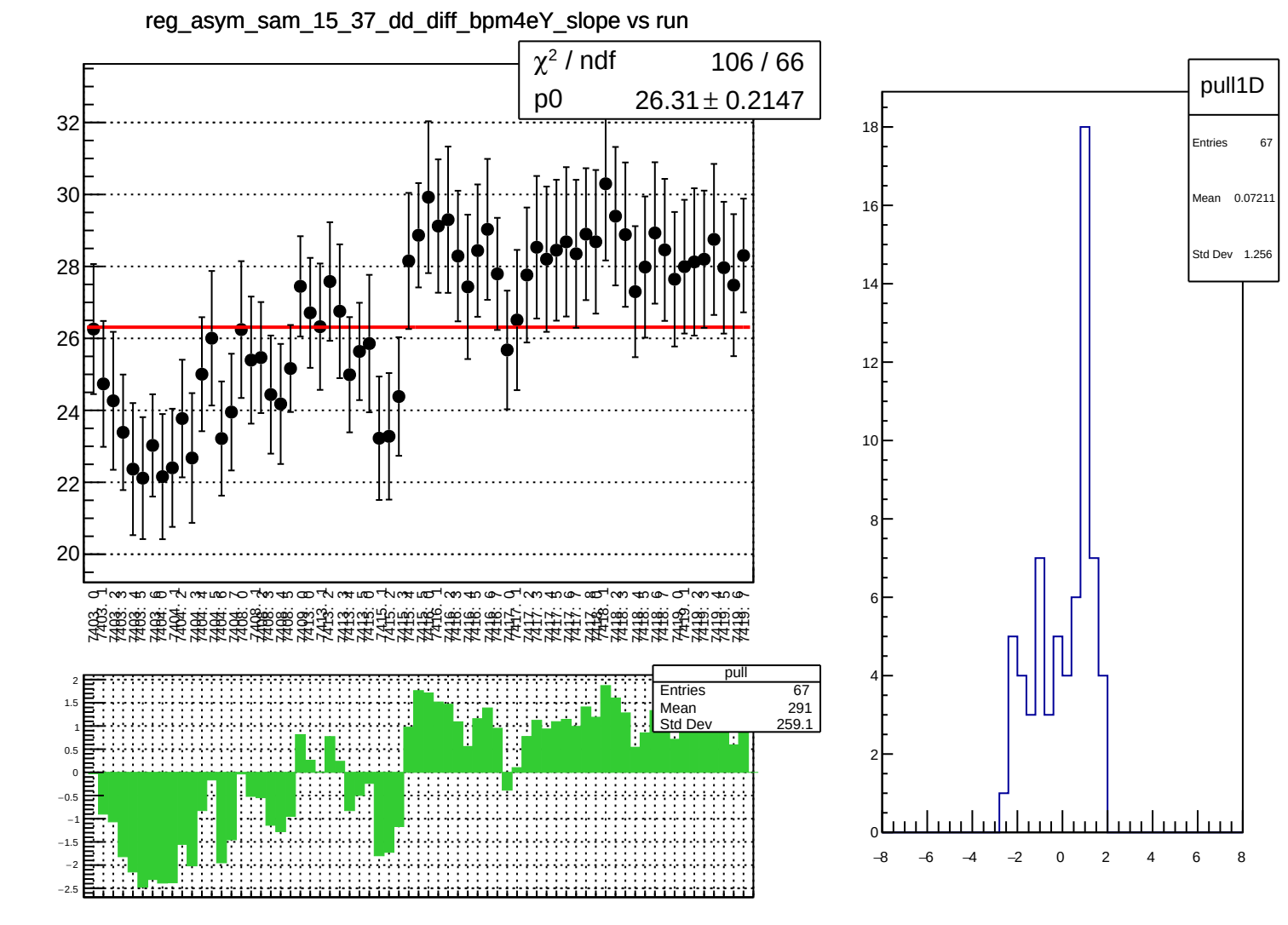

pull1D
Entries 67
Mean −0.004459
Std Dev 0.5623

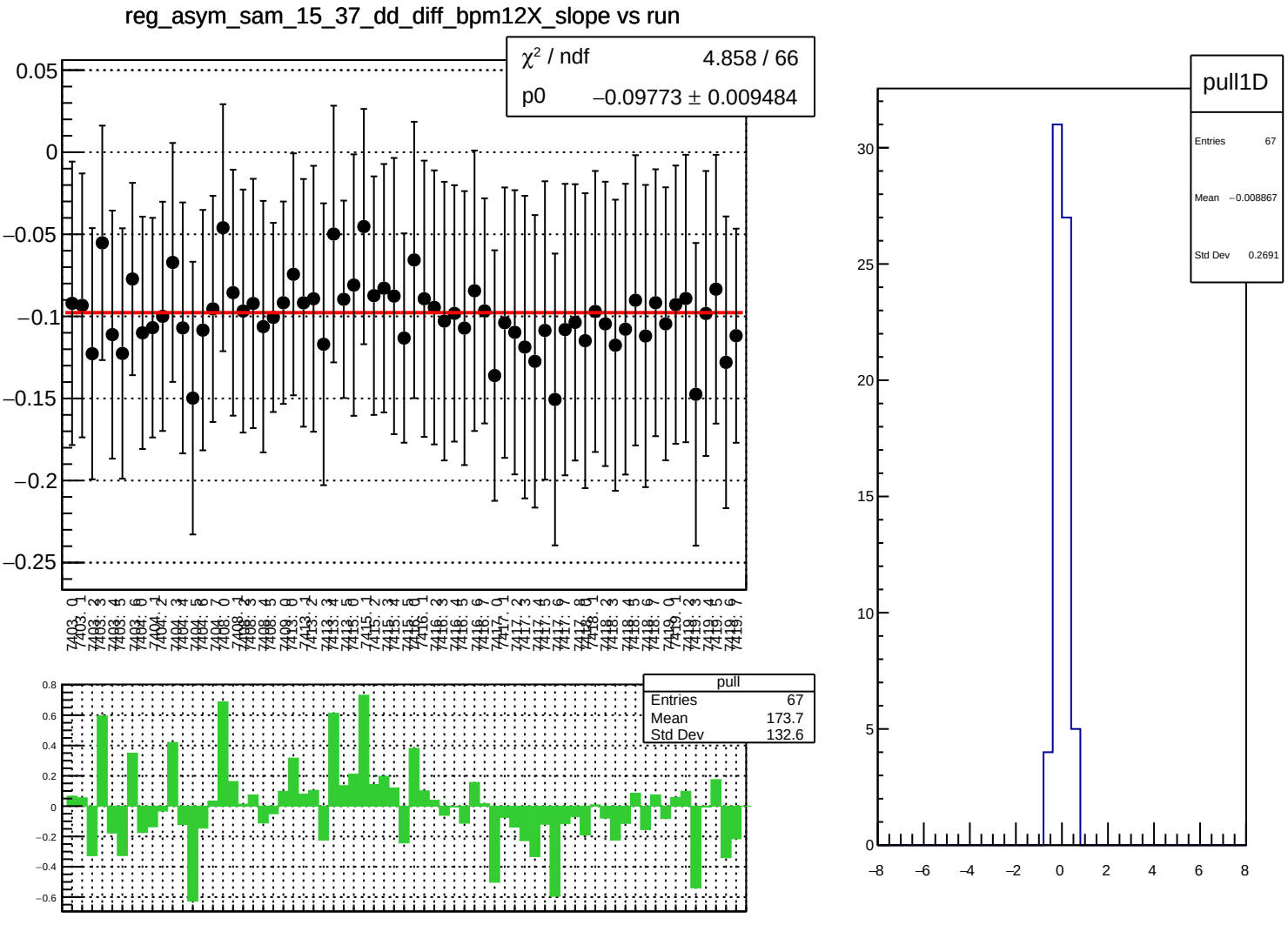

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 49.05 / 66
p0 3.259 ± 0.2012
pull
Entries 67
Mean −3951
Std Dev 3982

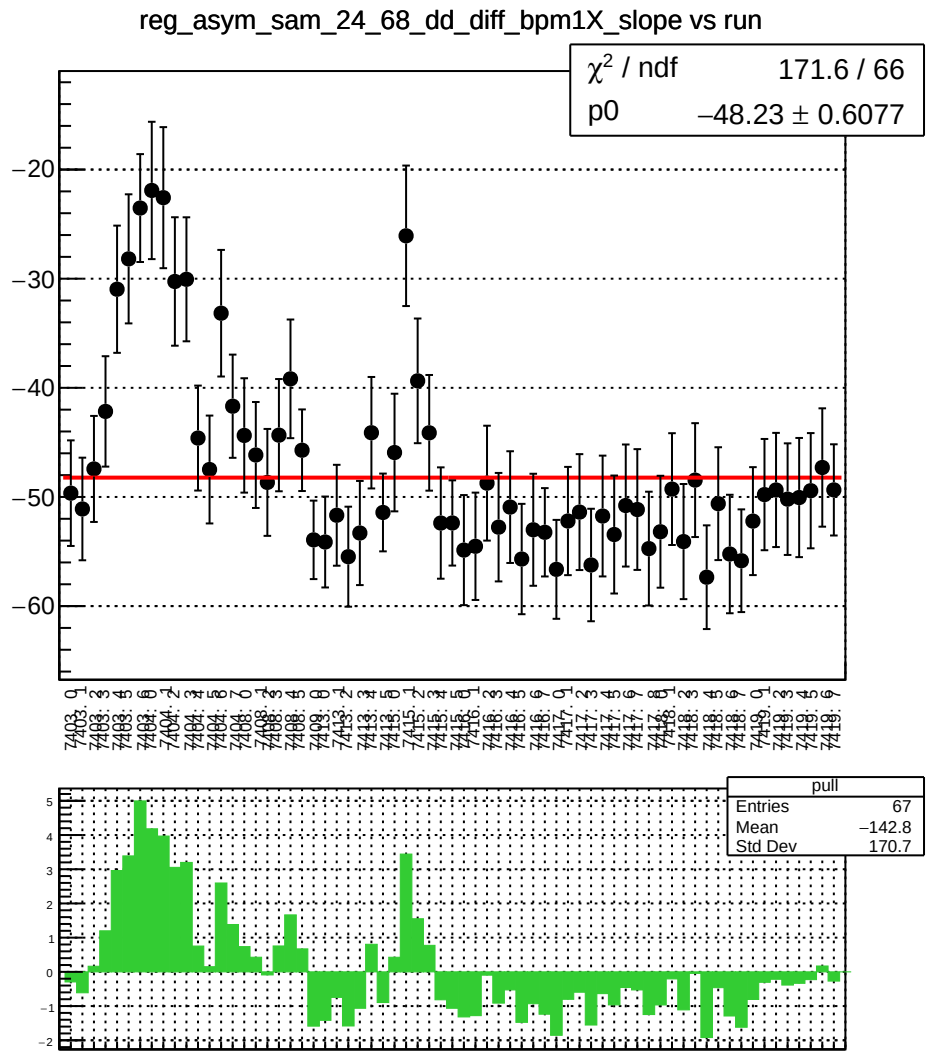

pull1D
Entries 67
Mean −0.002733
Std Dev 0.8556

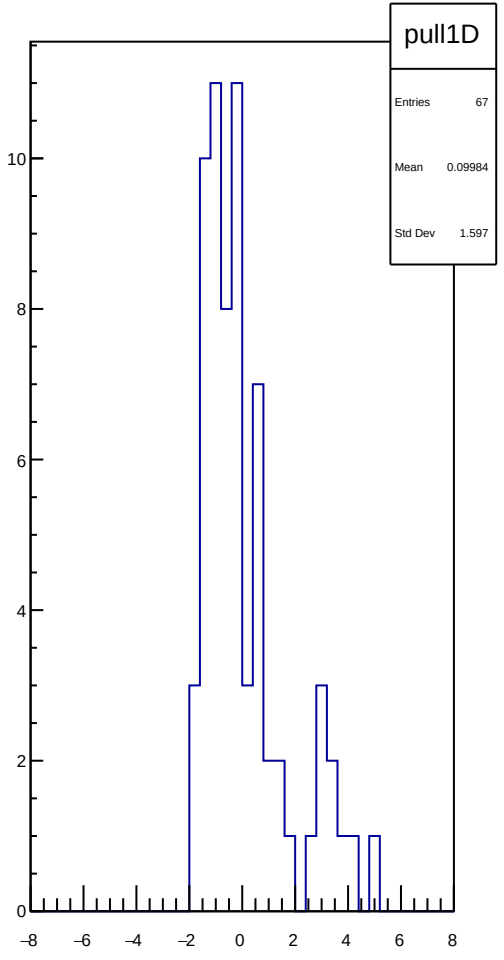

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.6 / 66
p0 −3.439 ± 0.2029
pull
Entries 67
Mean 273.3
Std Dev 274.2
pull1D
Entries 67
Mean −0.004635
Std Dev 0.4826

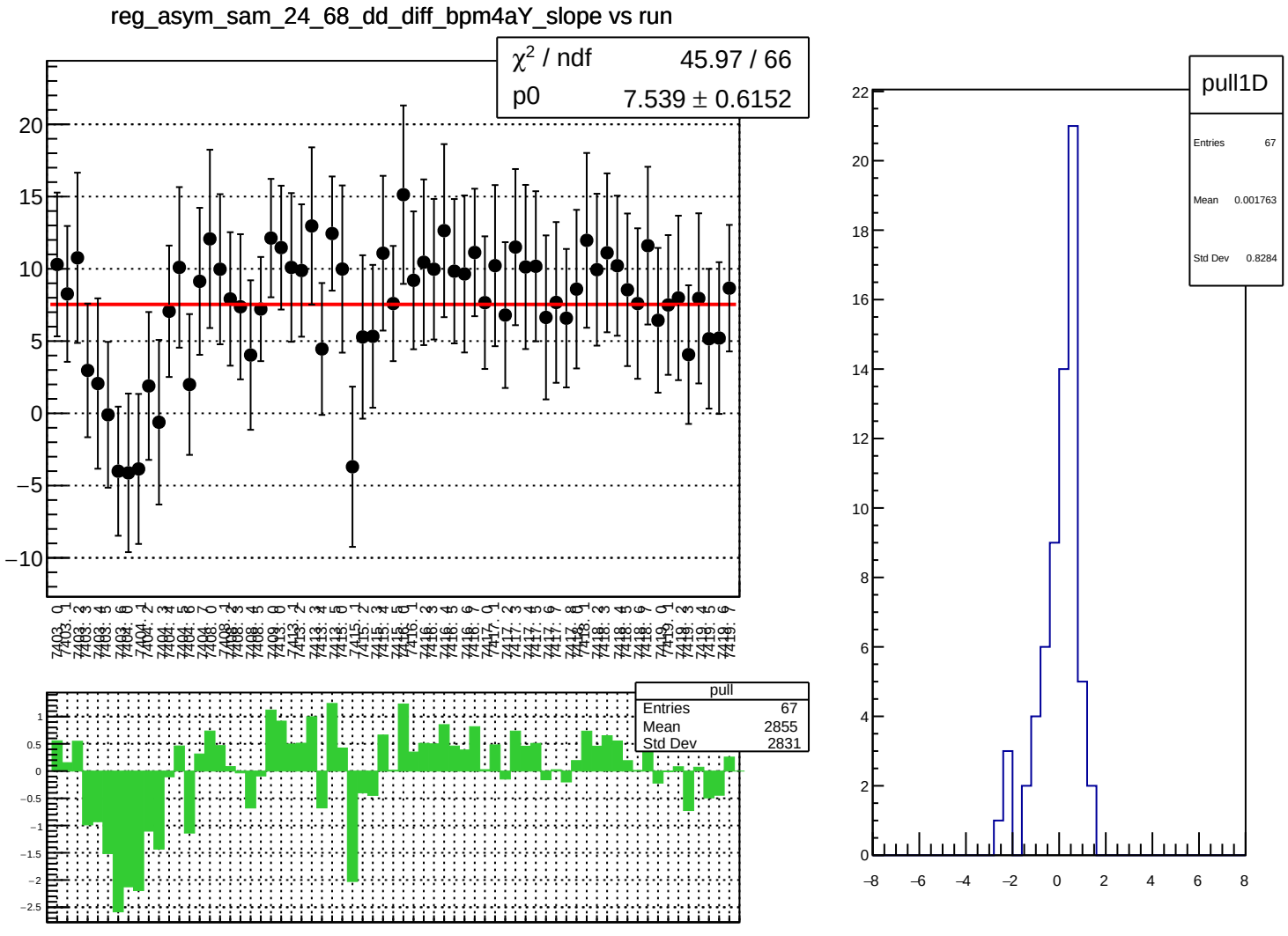

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.62 / 66
p0 22.21 ± 0.2091
pull
Entries 67
Mean 241.7
Std Dev 205.8
pull1D
Entries 67
Mean 0.05634
Std Dev 0.7956

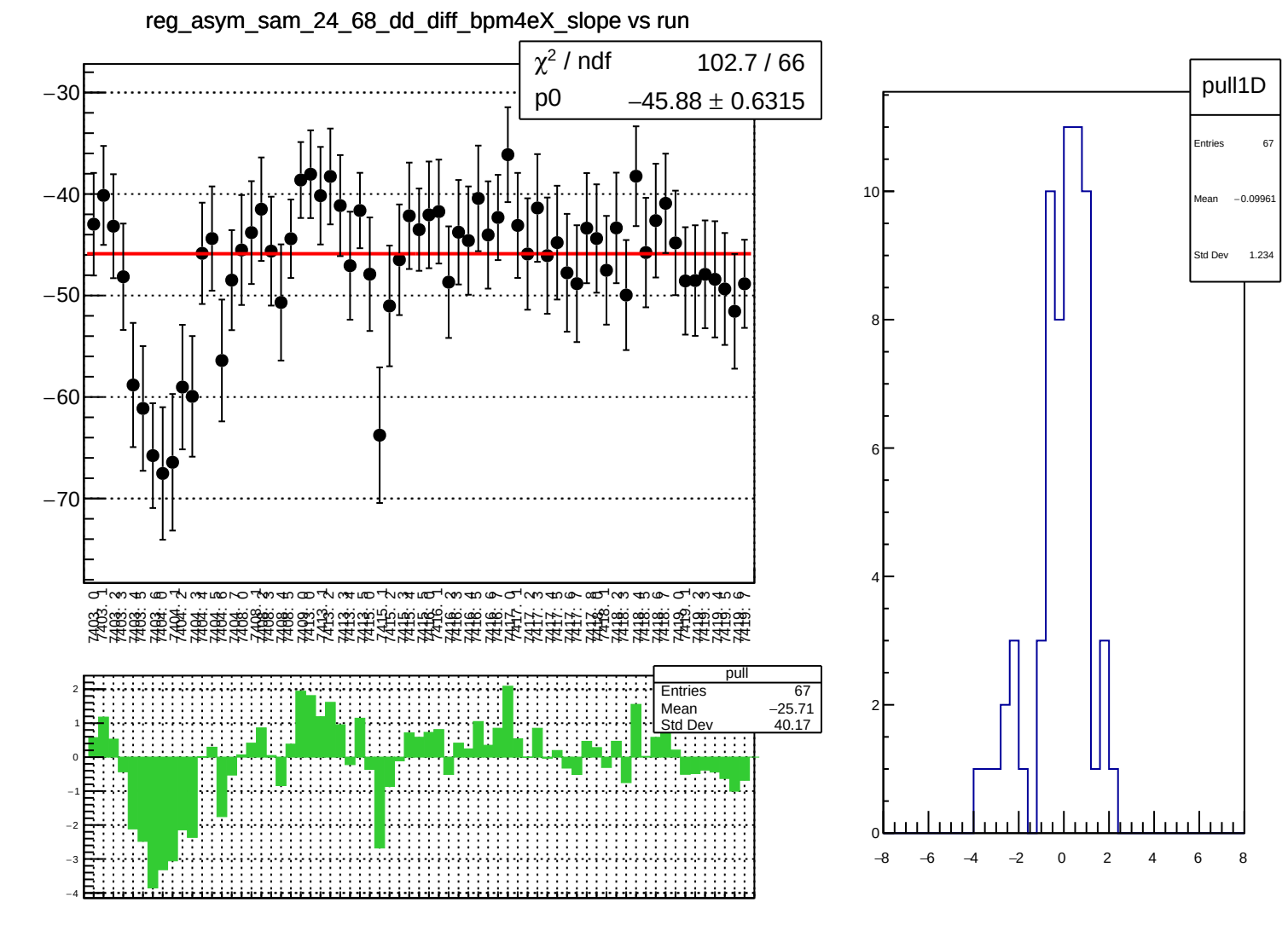

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 106 / 66
p0 26.31 ± 0.2147
pull
Entries 67
Mean 291
Std Dev 259.1
pull1D
Entries 67
Mean 0.07211
Std Dev 1.256

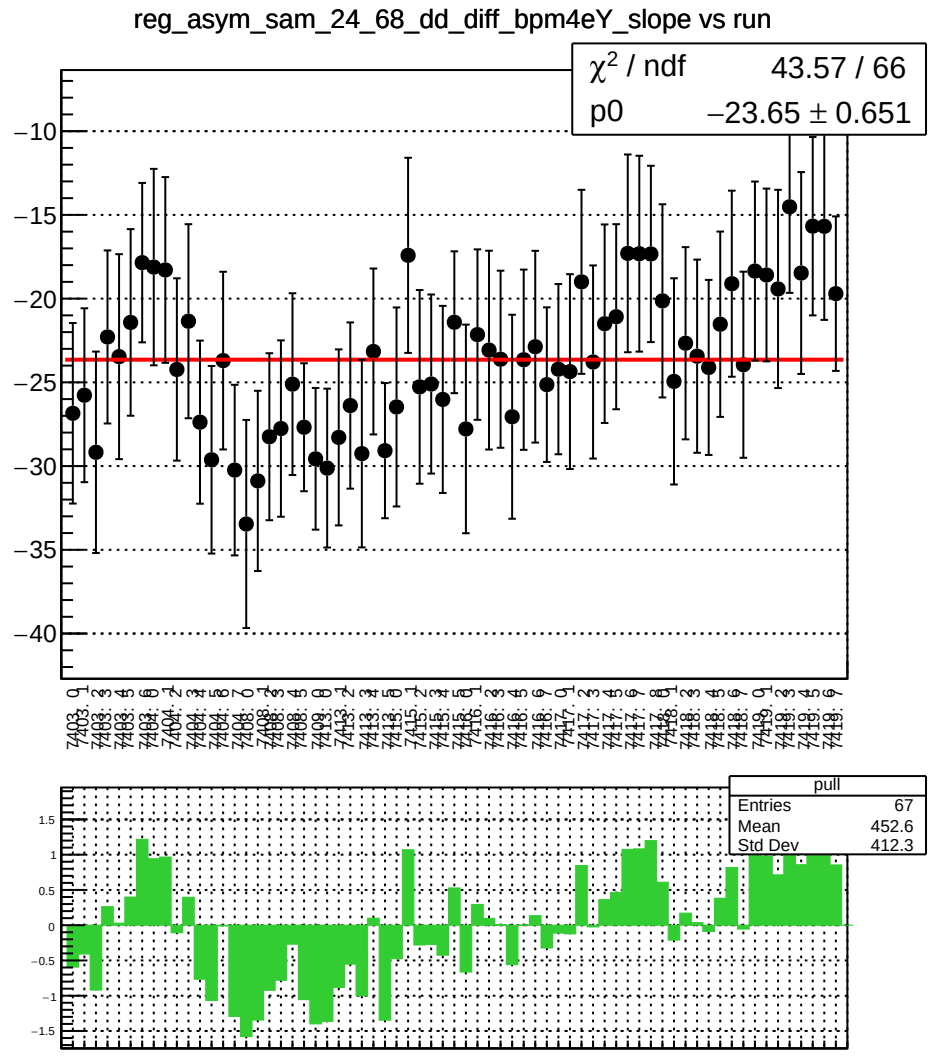

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.858 / 66
p0 −0.09773 ± 0.009484
pull
Entries 67
Mean 173.7
Std Dev 132.6
pull1D
Entries 67
Mean −0.008867
Std Dev 0.2691

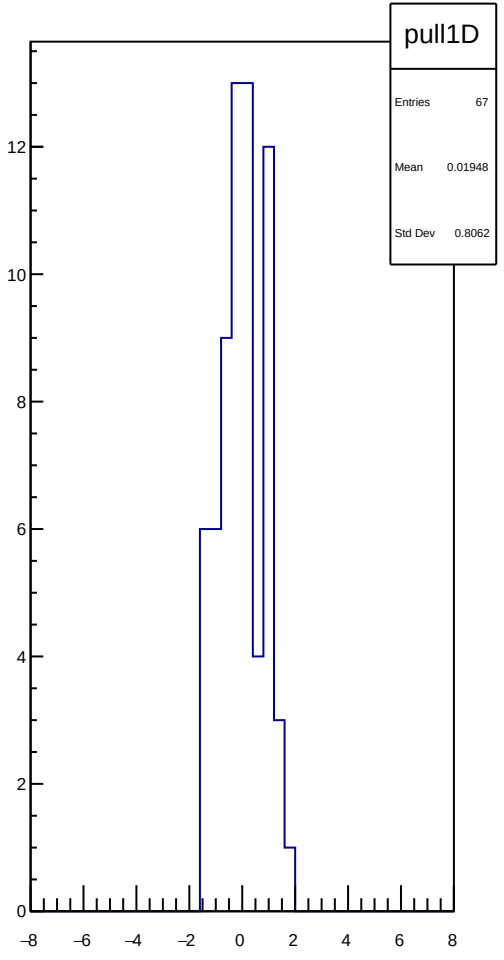

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 171.6 / 66
p0 −48.23 ± 0.6077
pull
Entries 67
Mean −142.8
Std Dev 170.7

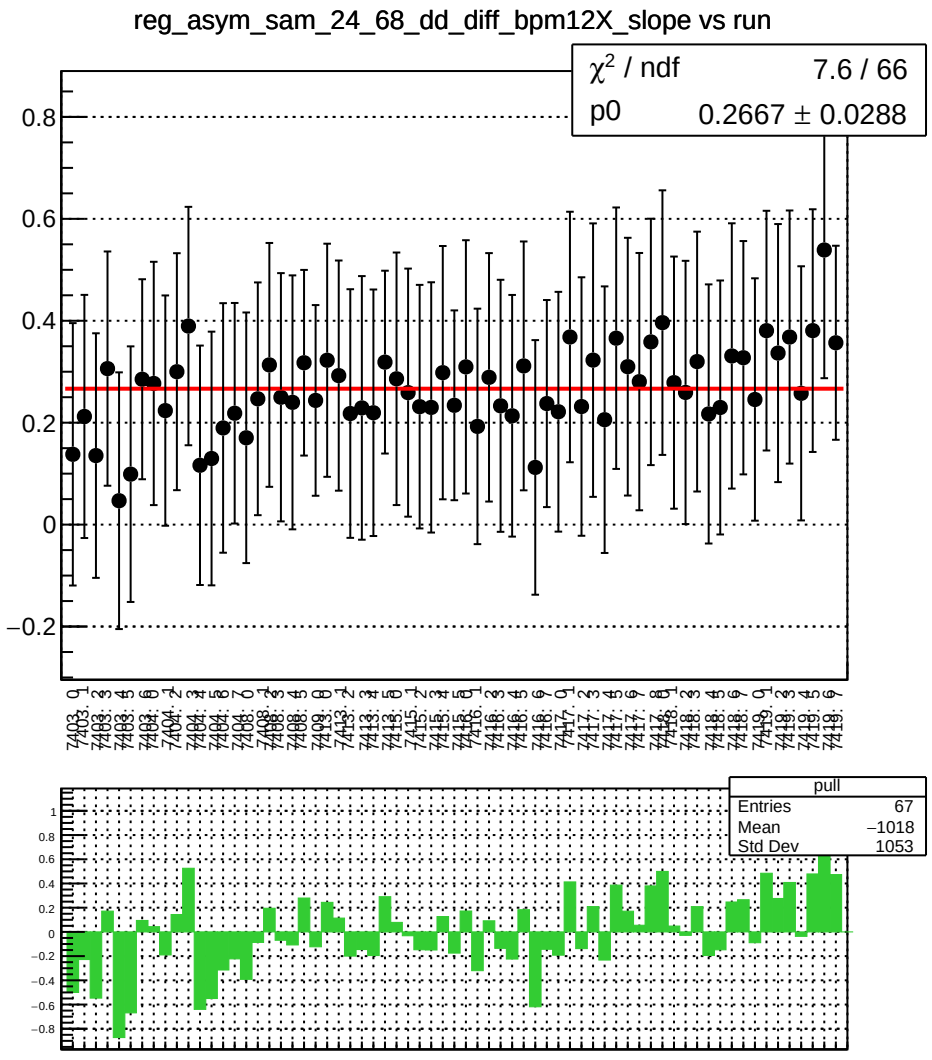

pull1D
Entries 67
Mean 0.09984
Std Dev 1.597

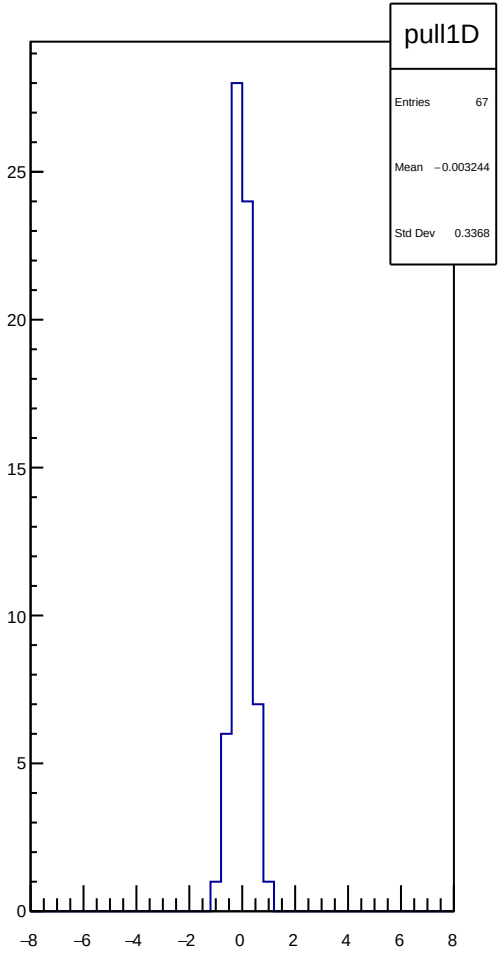

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.97 / 66
p0 7.539 ± 0.6152
pull
Entries 67
Mean 2855
Std Dev 2831
pull1D
Entries 67
Mean 0.001763
Std Dev 0.8284

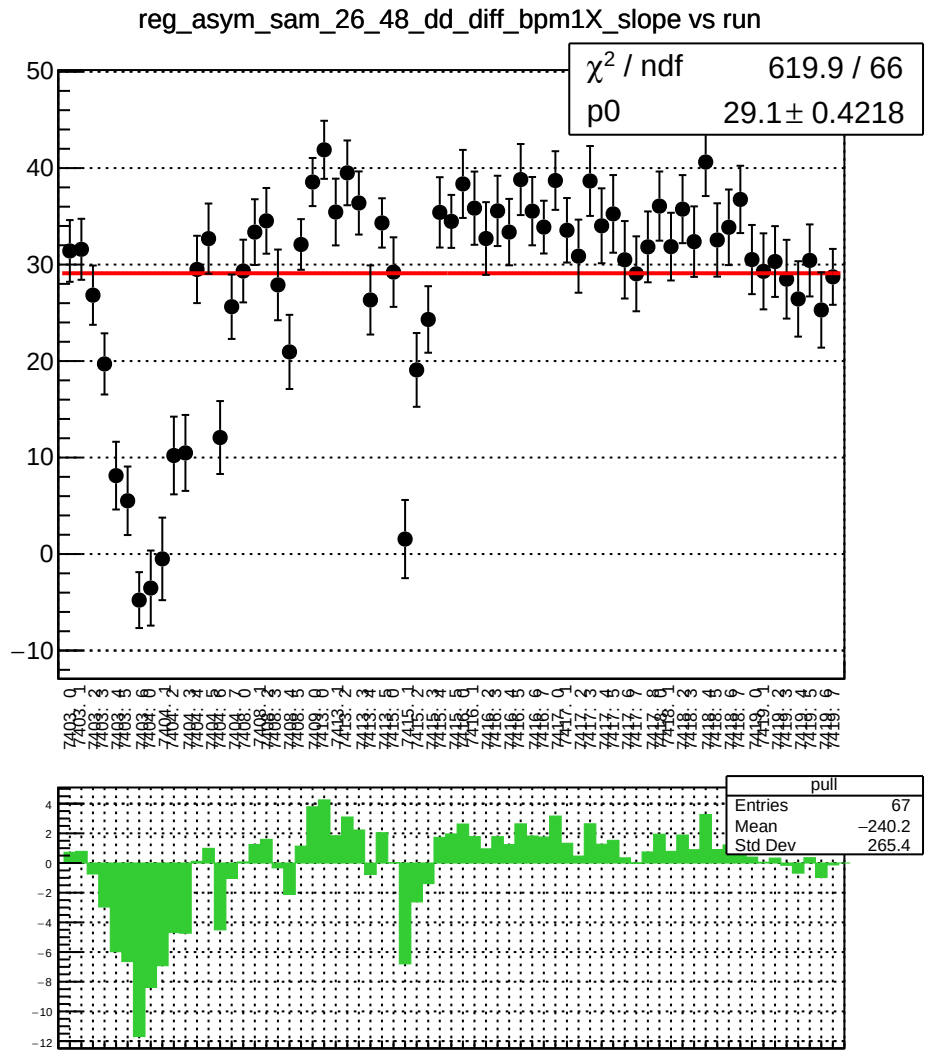

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.7 / 66
p0 −45.88 ± 0.6315
pull
Entries 67
Mean −25.71
Std Dev 40.17
pull1D
Entries 67
Mean −0.09961
Std Dev 1.234

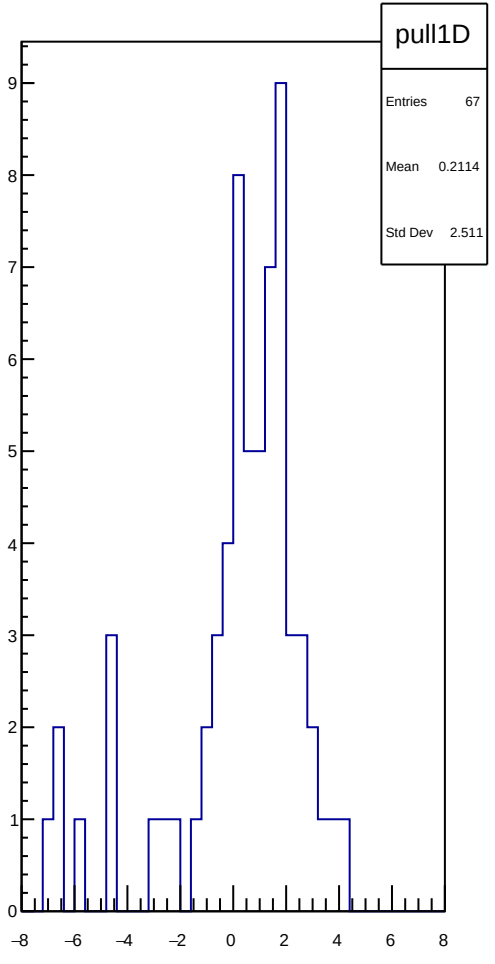

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.57 / 66
p0 −23.65 ± 0.651
pull
Entries 67
Mean 452.6
Std Dev 412.3

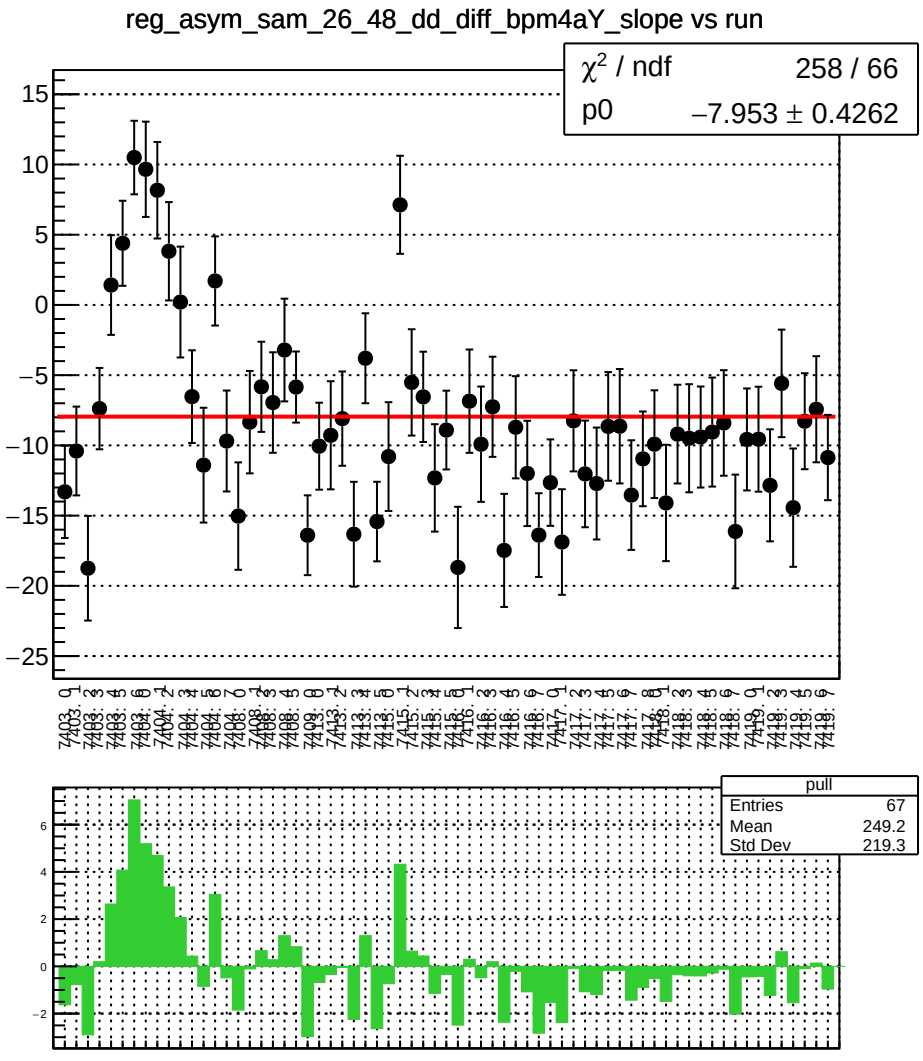

pull1D
Entries 67
Mean 0.01948
Std Dev 0.8062

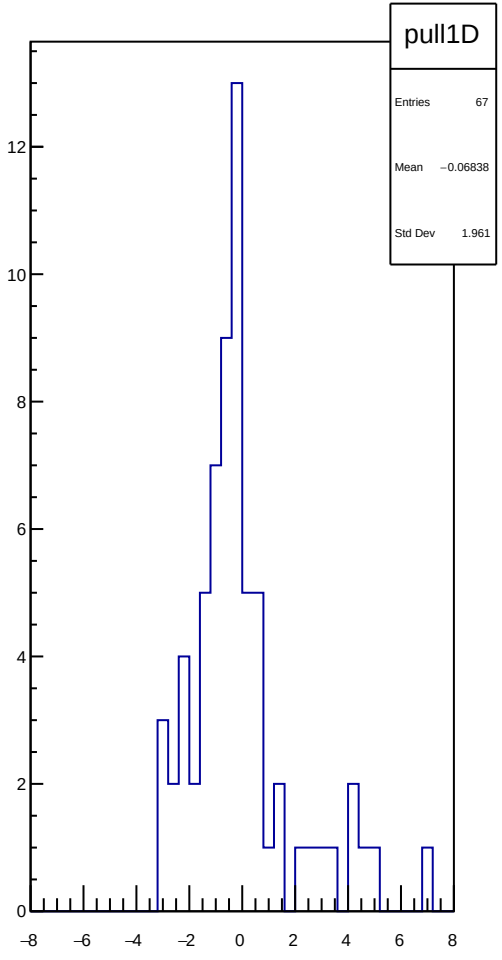

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 7.6 / 66
p0 0.2667 ± 0.0288
pull
Entries 67
Mean −1018
Std Dev 1053

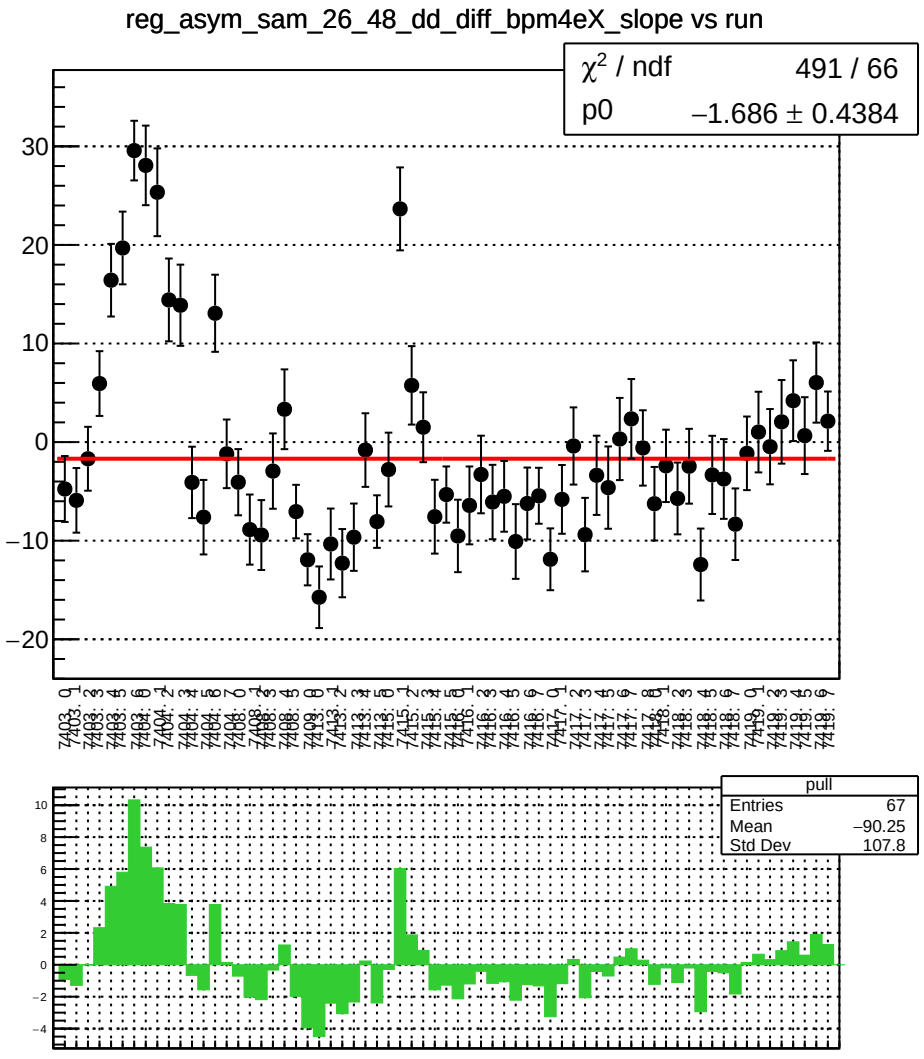

pull1D
Entries 67
Mean −0.003244
Std Dev 0.3368

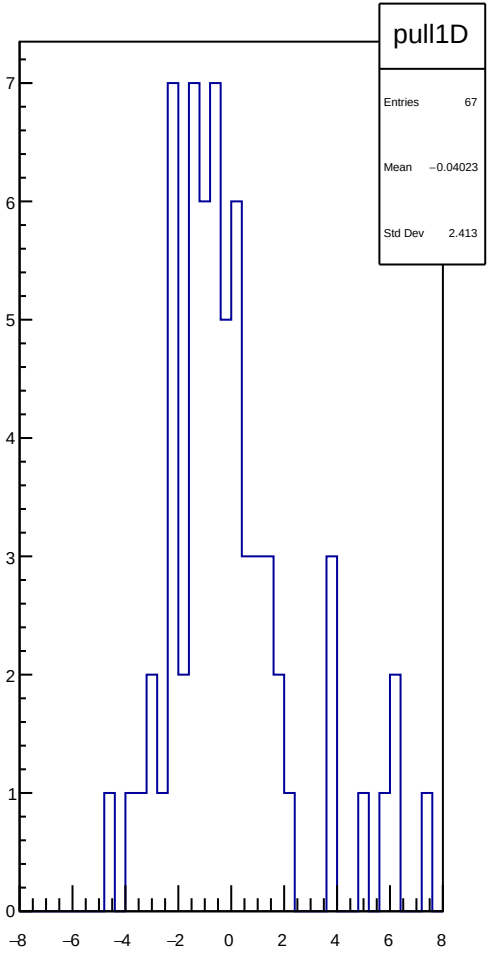

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 619.9 / 66
p0 29.1 ± 0.4218
pull
Entries 67
Mean −240.2
Std Dev 265.4

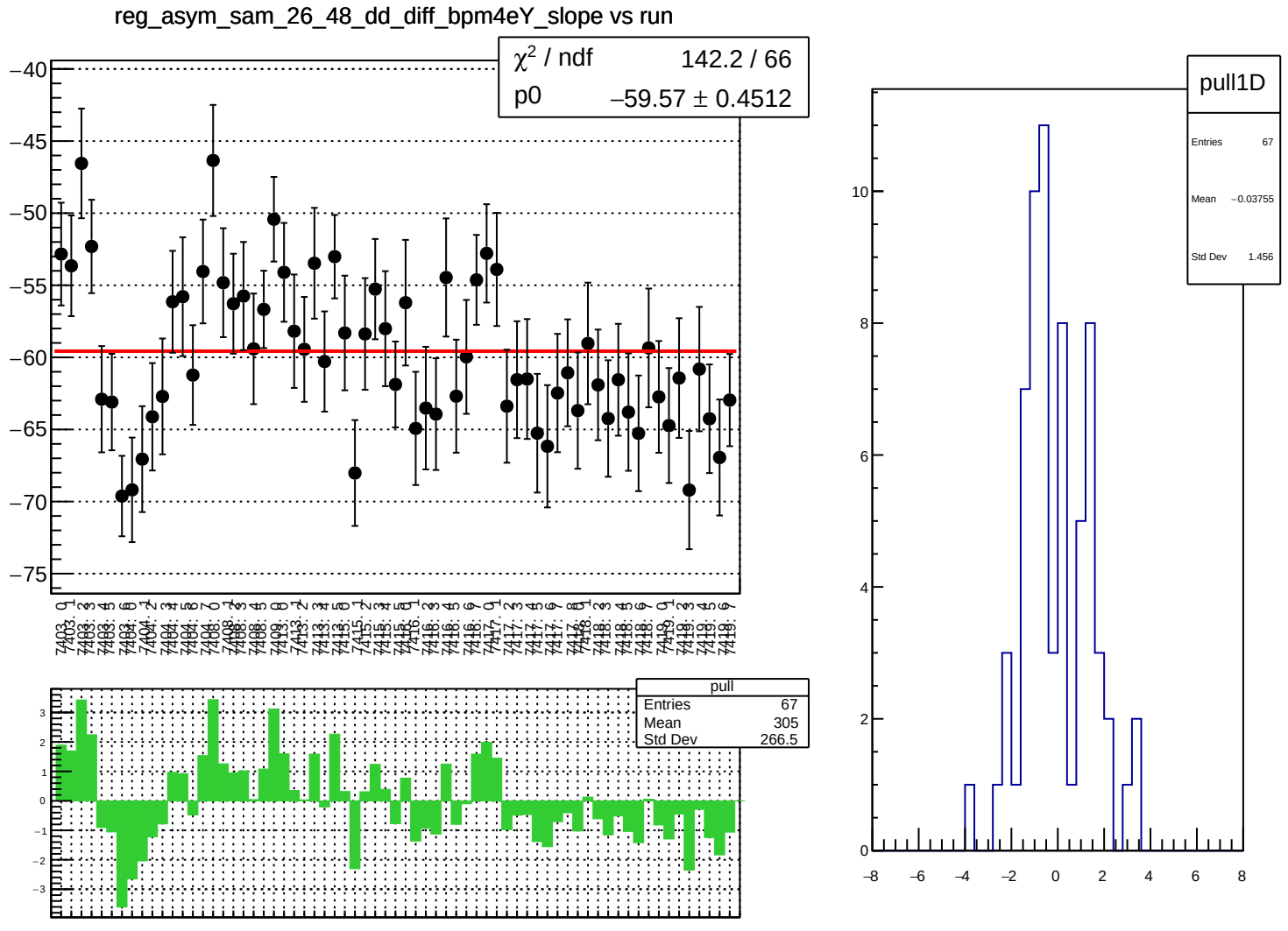

pull1D
Entries 67
Mean 0.2114
Std Dev 2.511

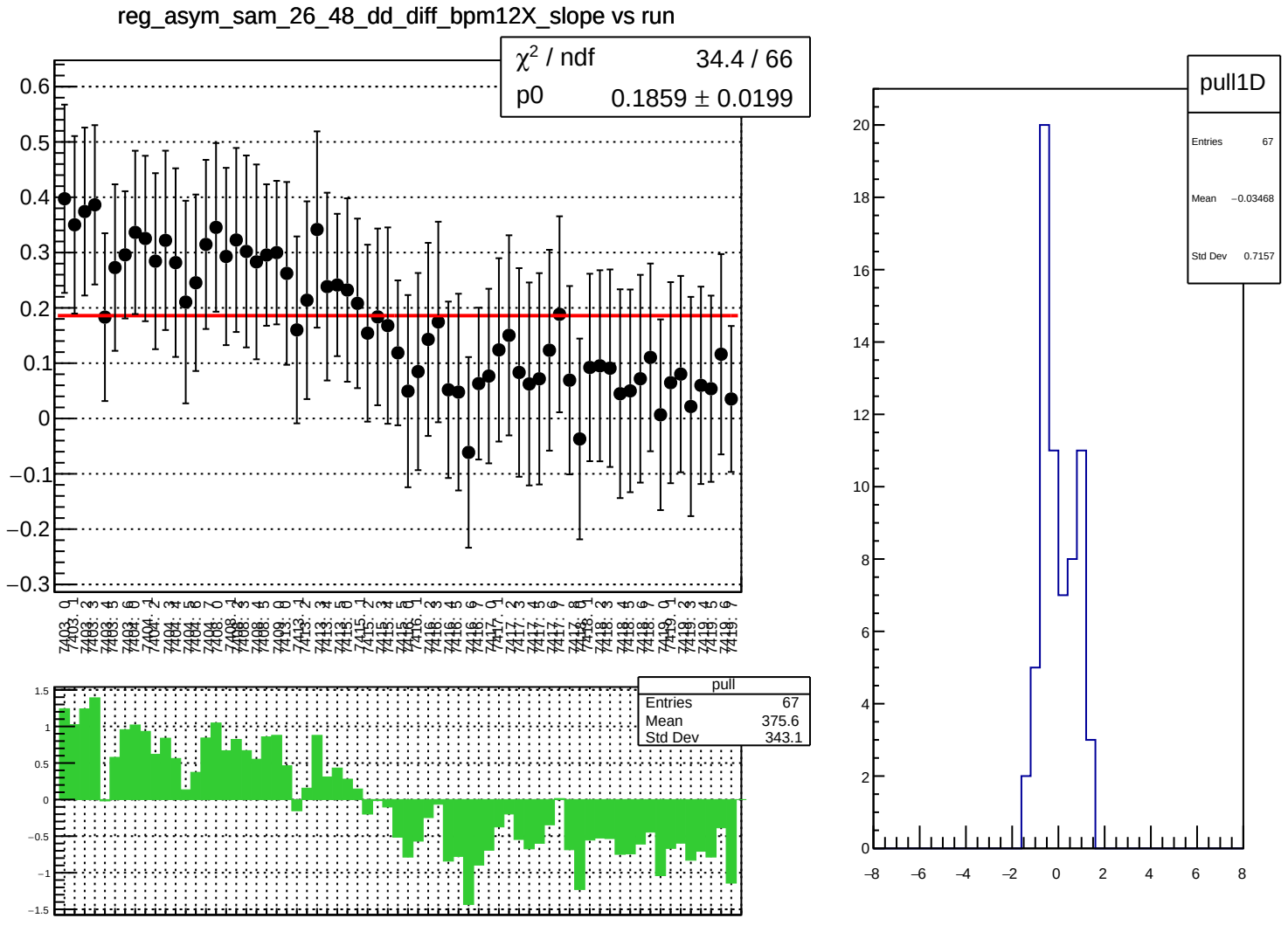

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 258 / 66
p0 −7.953 ± 0.4262
pull
Entries 67
Mean 249.2
Std Dev 219.3

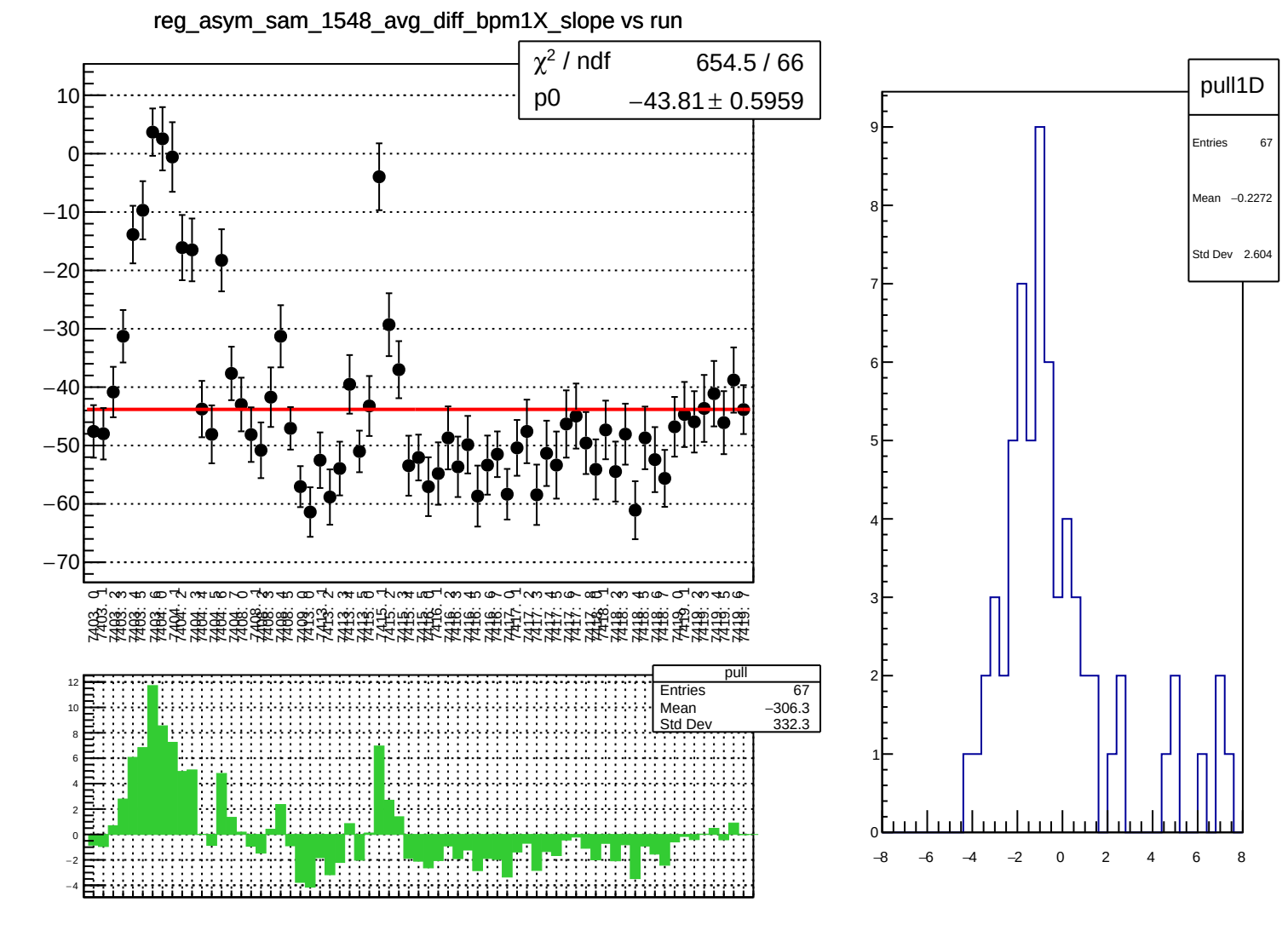

pull1D
Entries 67
Mean −0.06838
Std Dev 1.961

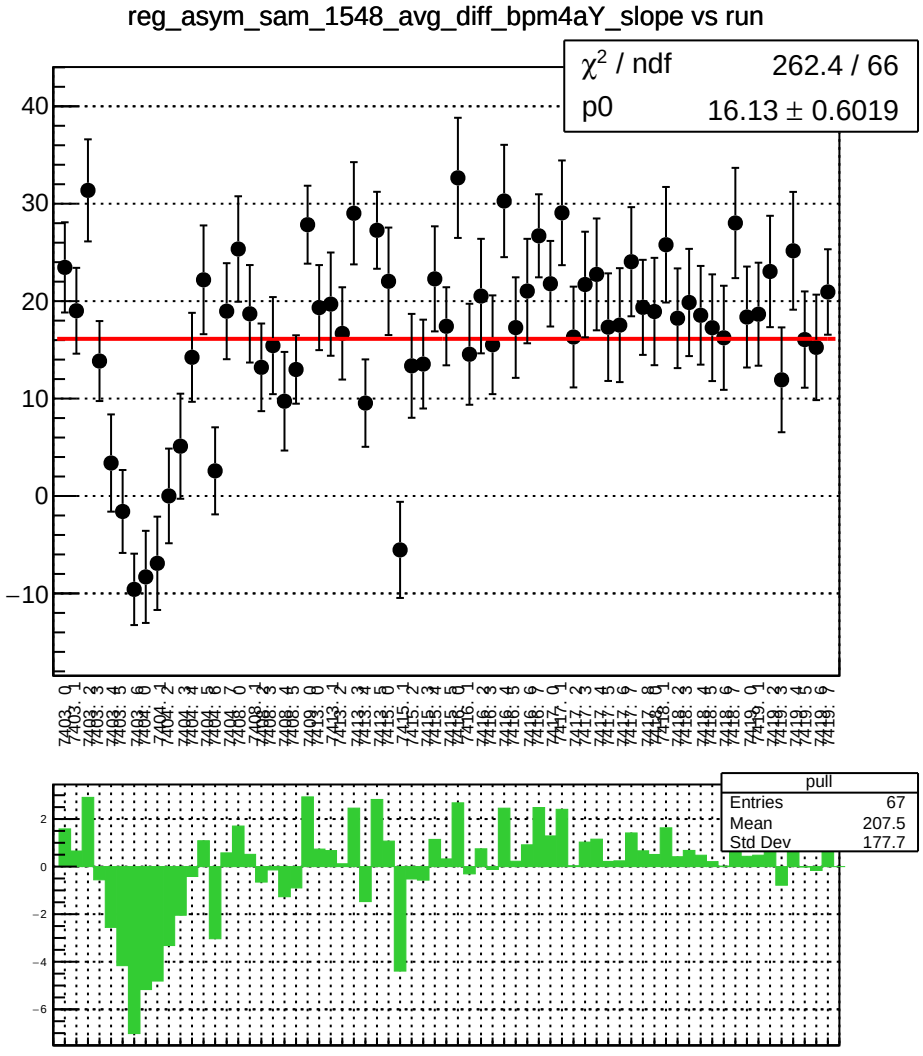

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 491 / 66
p0 −1.686 ± 0.4384
pull
Entries 67
Mean −90.25
Std Dev 107.8

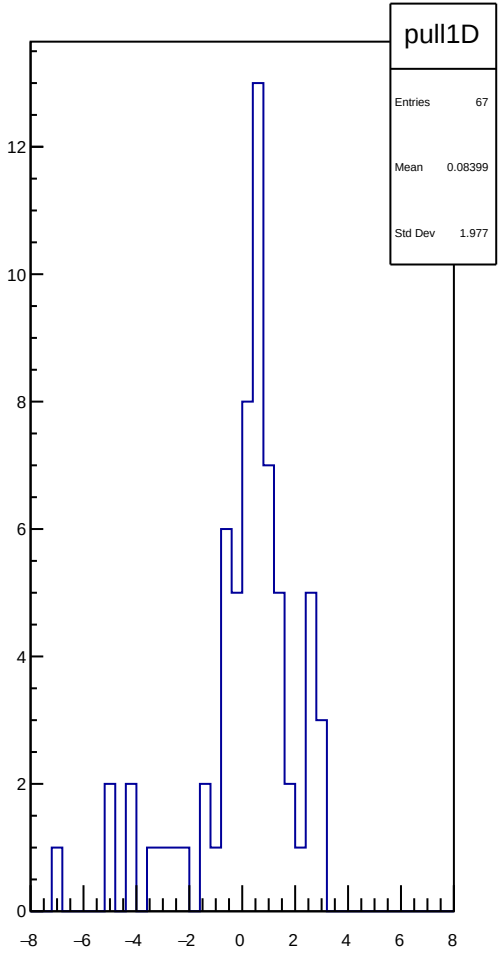

pull1D
Entries 67
Mean −0.04023
Std Dev 2.413

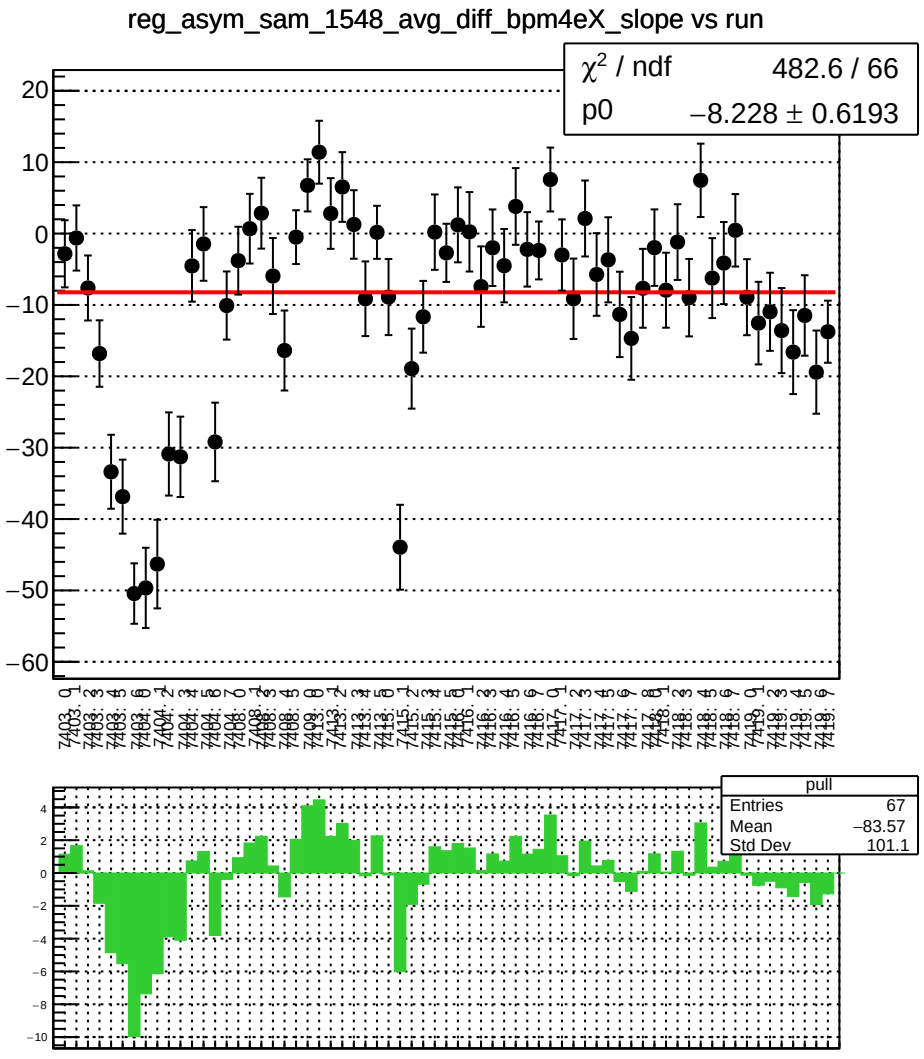

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 142.2 / 66
p0 −59.57 ± 0.4512
pull
Entries 67
Mean 305
Std Dev 266.5
pull1D
Entries 67
Mean −0.03755
Std Dev 1.456

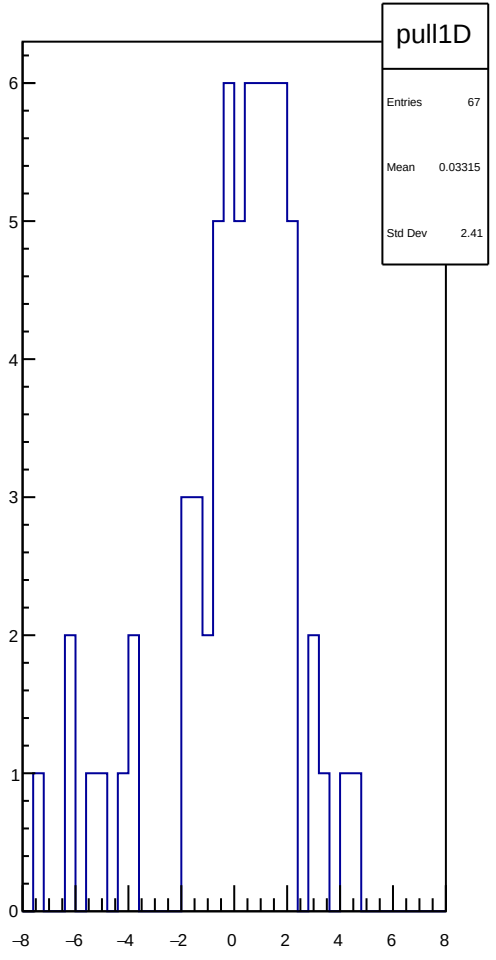

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 34.4 / 66
p0 0.1859 ± 0.0199
pull
Entries 67
Mean 375.6
Std Dev 343.1
pull1D
Entries 67
Mean −0.03468
Std Dev 0.7157

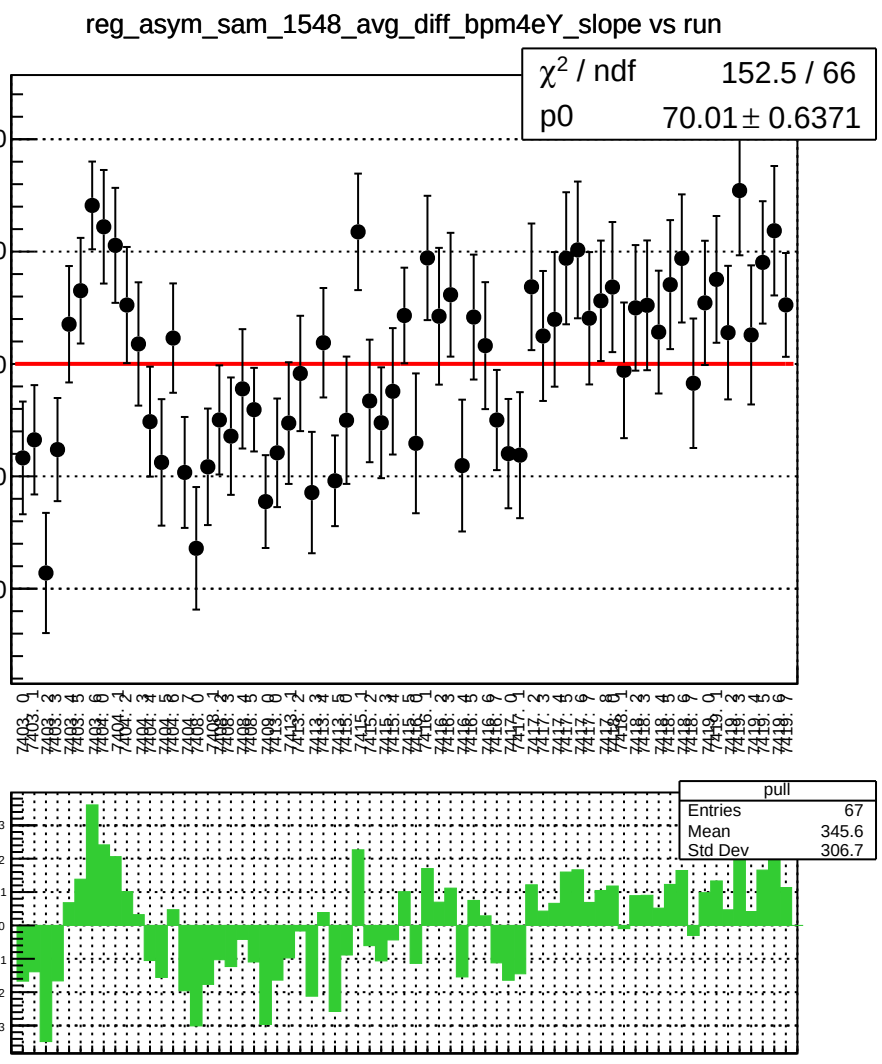

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 654.5 / 66
p0 −43.81 ± 0.5959
pull
Entries 67
Mean −306.3
Std Dev 332.3
pull1D
Entries 67
Mean −0.2272
Std Dev 2.604

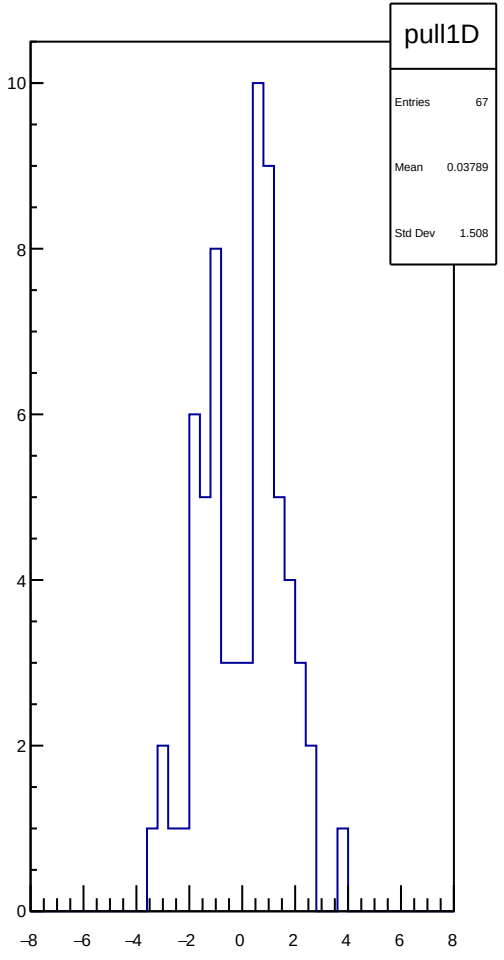

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 262.4 / 66
p0 16.13 ± 0.6019
pull
Entries 67
Mean 207.5
Std Dev 177.7

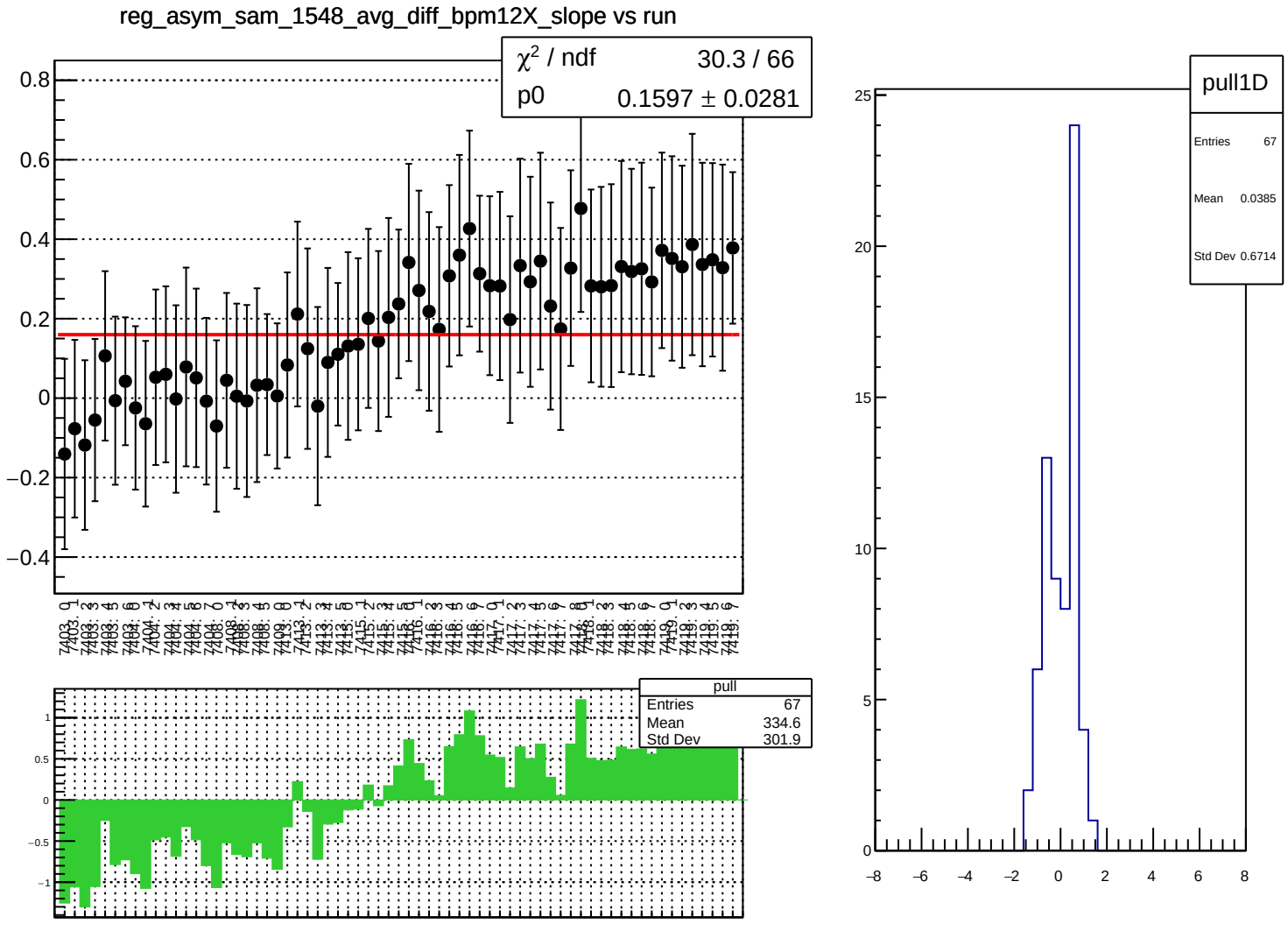

pull1D
Entries 67
Mean 0.08399
Std Dev 1.977

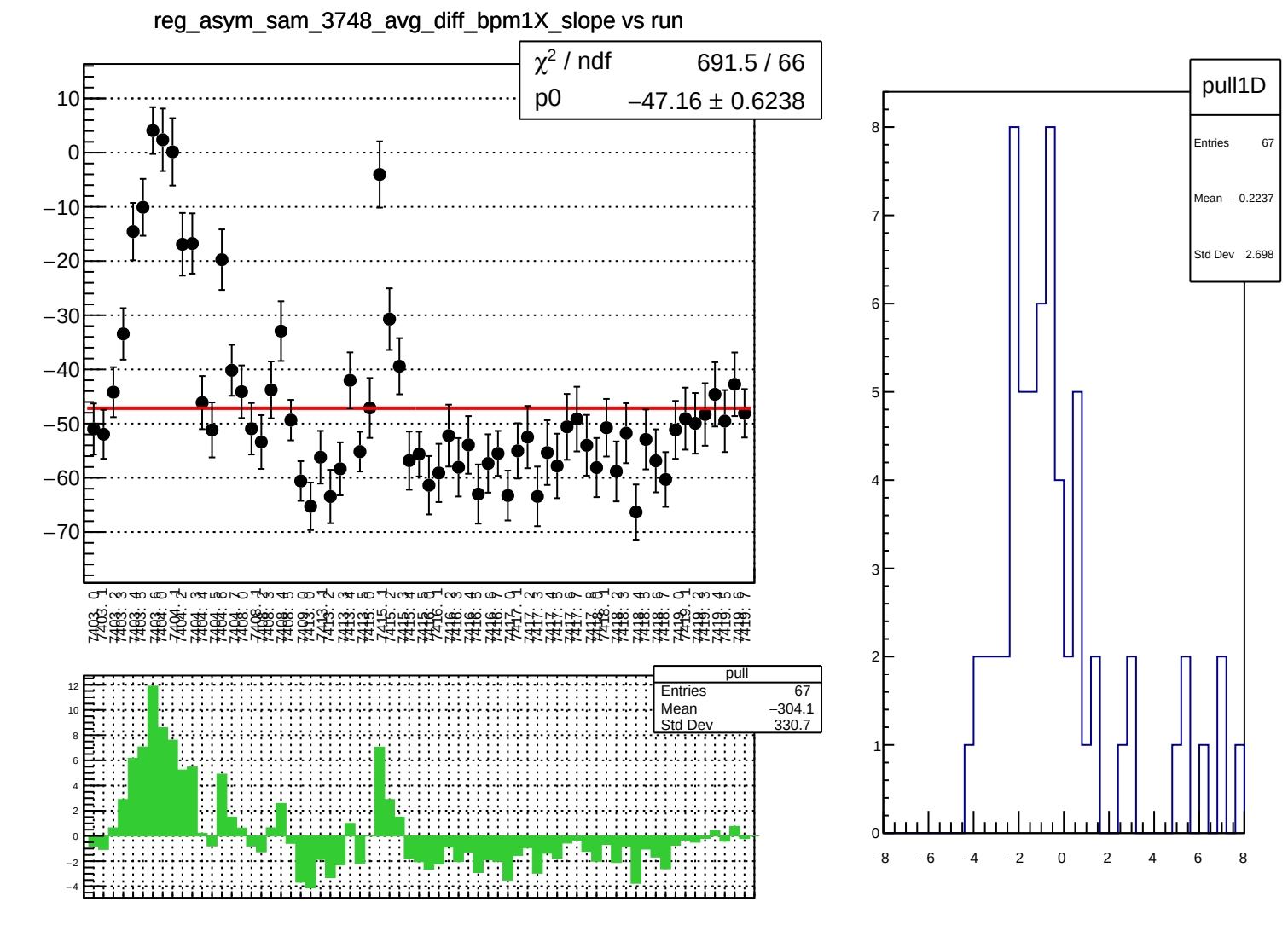

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 482.6 / 66
p0 −8.228 ± 0.6193
pull
Entries 67
Mean −83.57
Std Dev 101.1

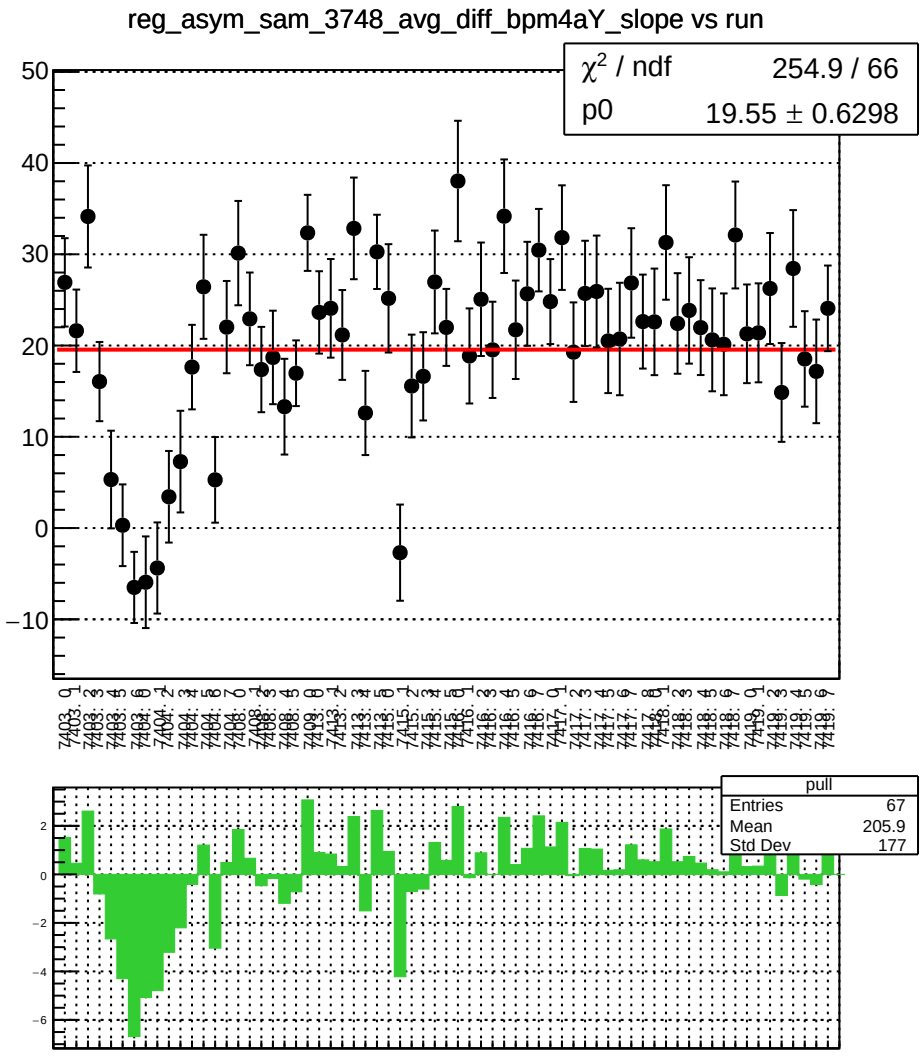

pull1D
Entries 67
Mean 0.03315
Std Dev 2.41

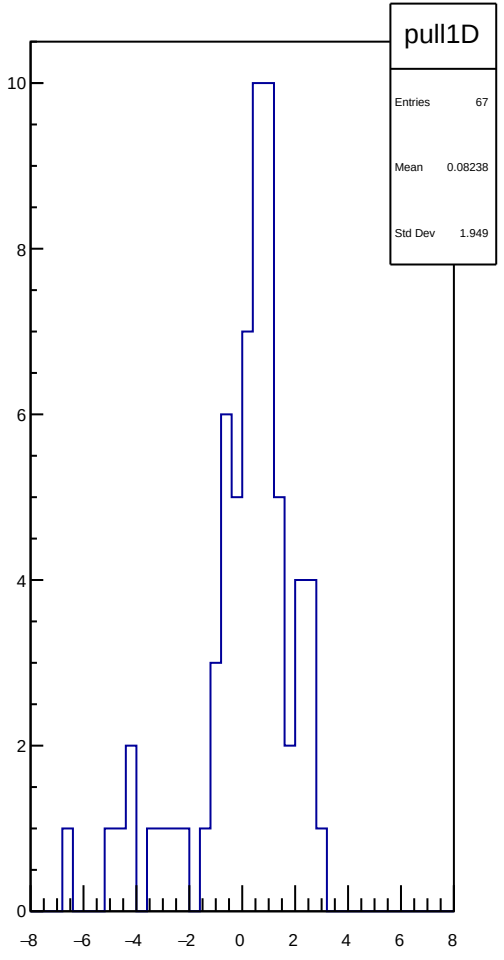

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 152.5 / 66
p0 70.01 ± 0.6371
pull
Entries 67
Mean 345.6
Std Dev 306.7

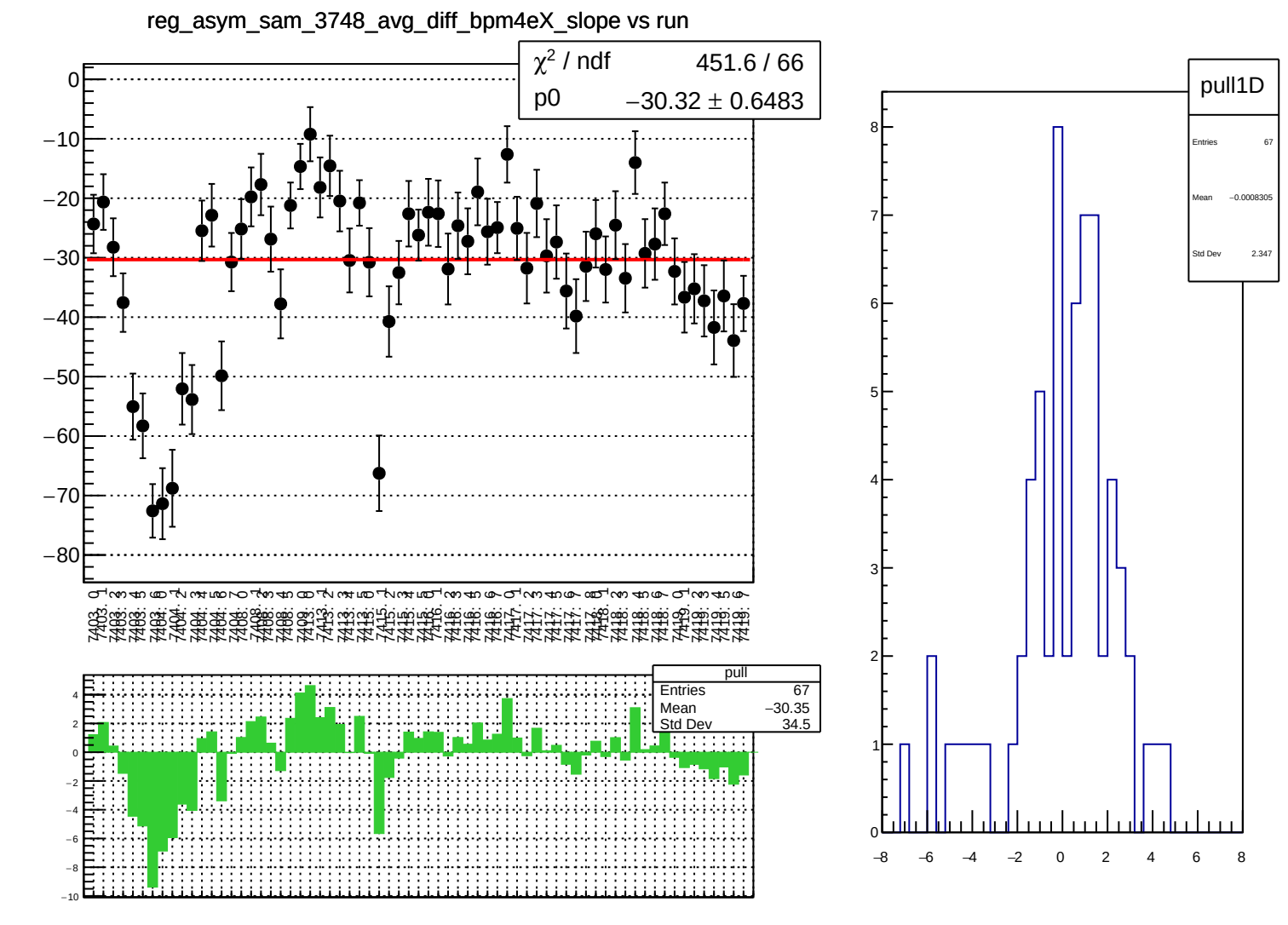

pull1D
Entries 67
Mean 0.03789
Std Dev 1.508

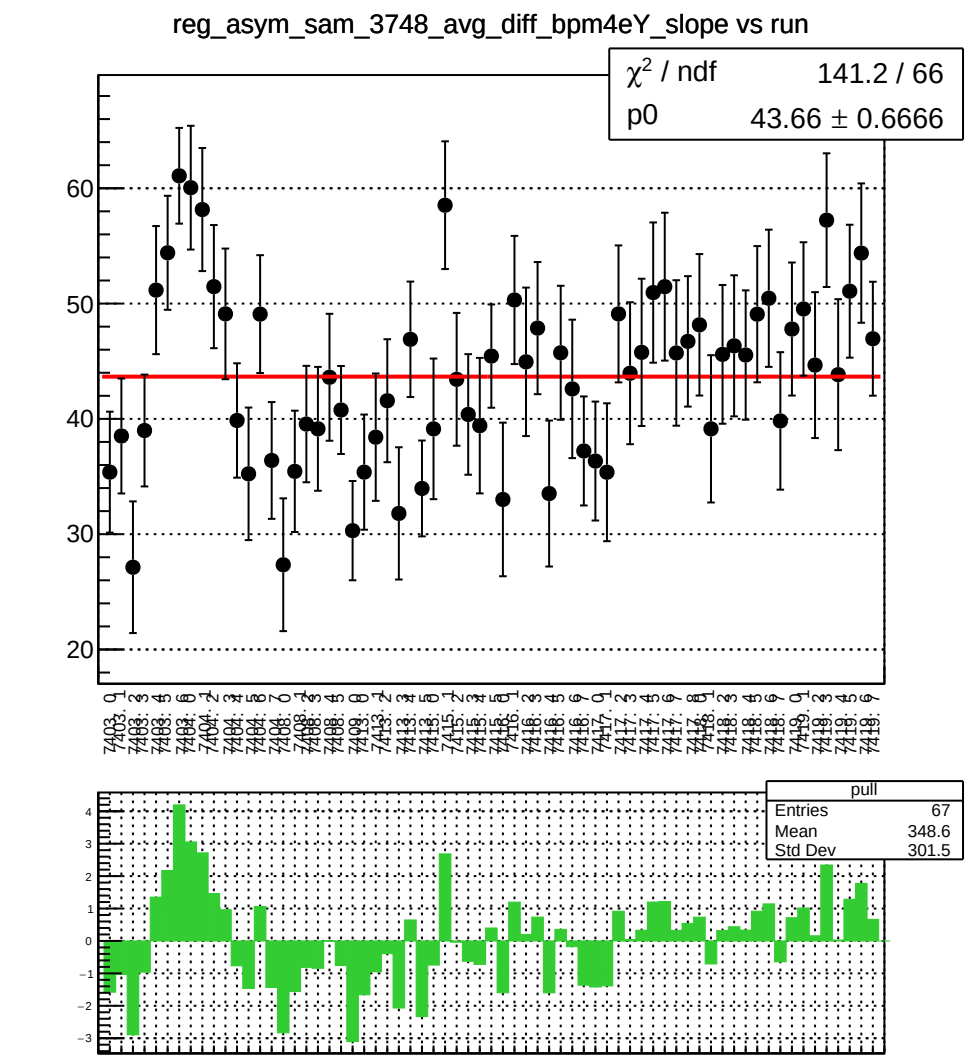

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 30.3 / 66
p0 0.1597 ± 0.0281
pull
Entries 67
Mean 334.6
Std Dev 301.9
pull1D
Entries 67
Mean 0.0385
Std Dev 0.6714

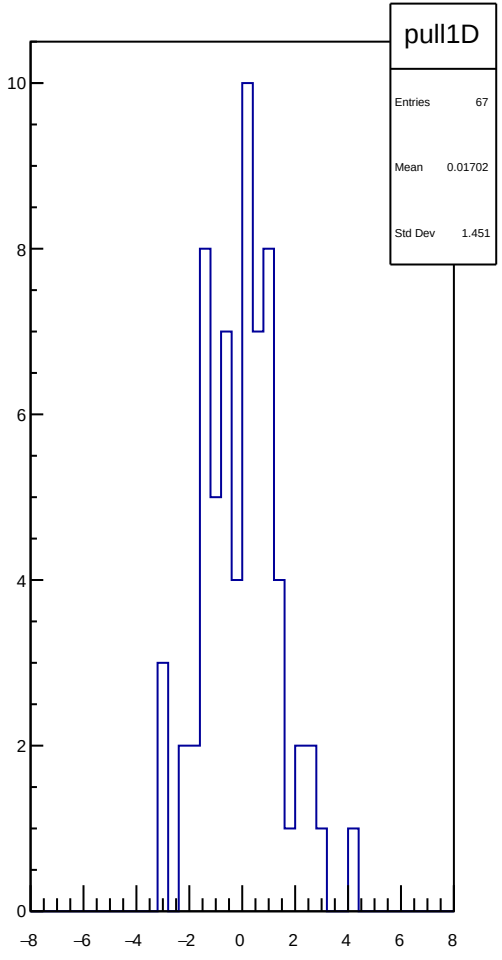

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 691.5 / 66
p0 −47.16 ± 0.6238
pull
Entries 67
Mean −304.1
Std Dev 330.7
pull1D
Entries 67
Mean −0.2237
Std Dev 2.698

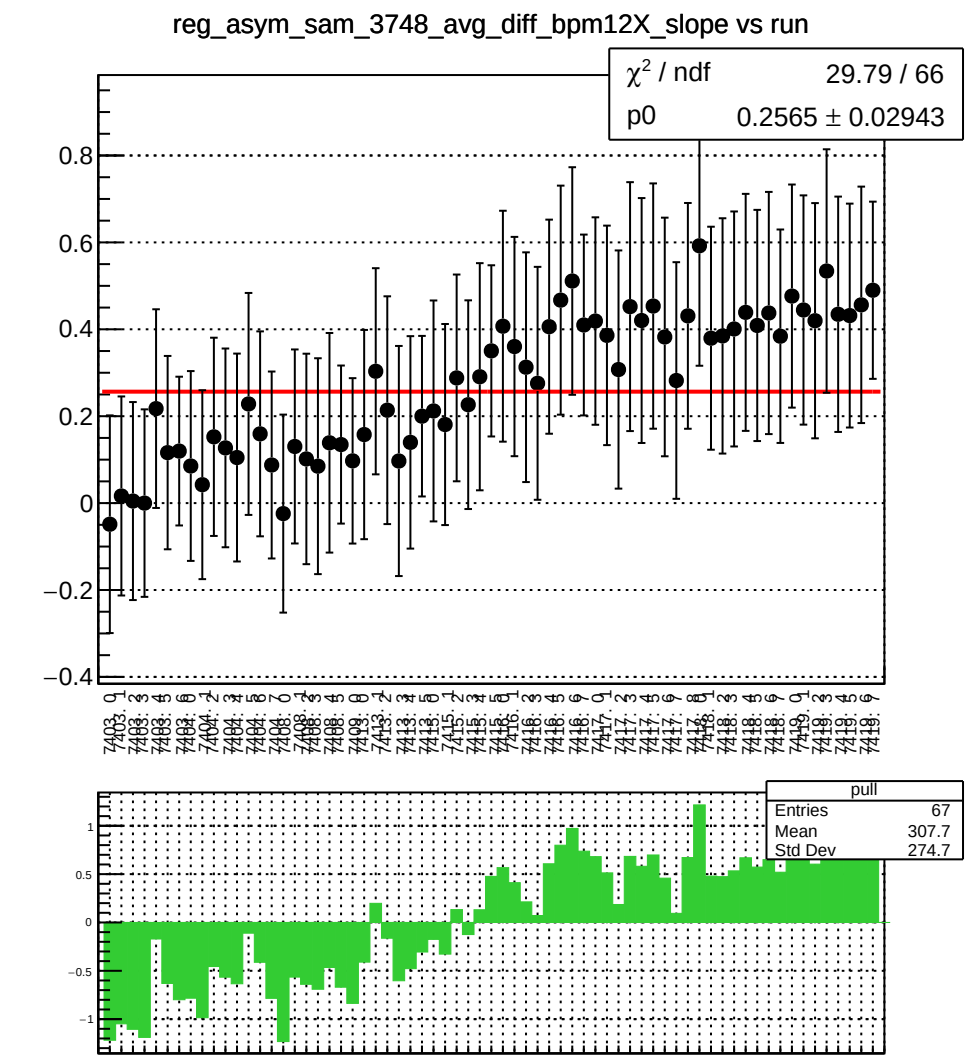

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 254.9 / 66
p0 19.55 ± 0.6298
pull
Entries 67
Mean 205.9
Std Dev 177

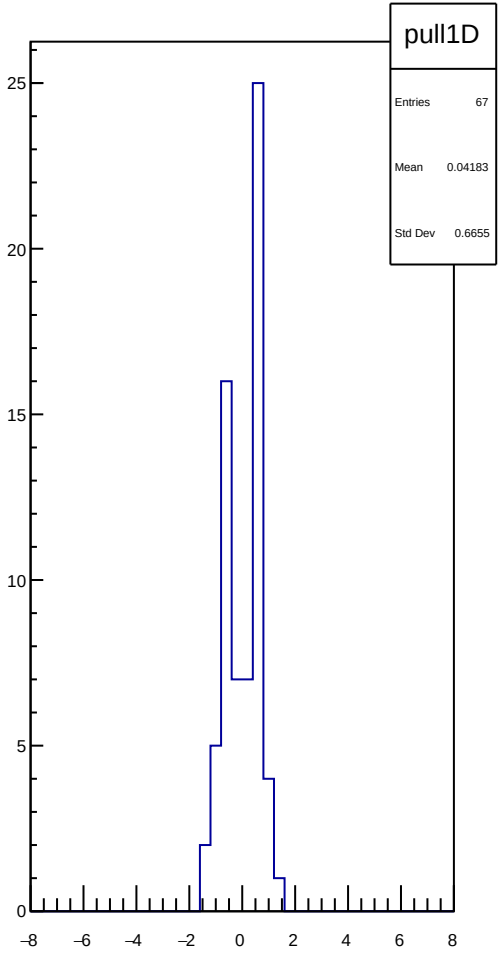

pull1D
Entries 67
Mean 0.08238
Std Dev 1.949

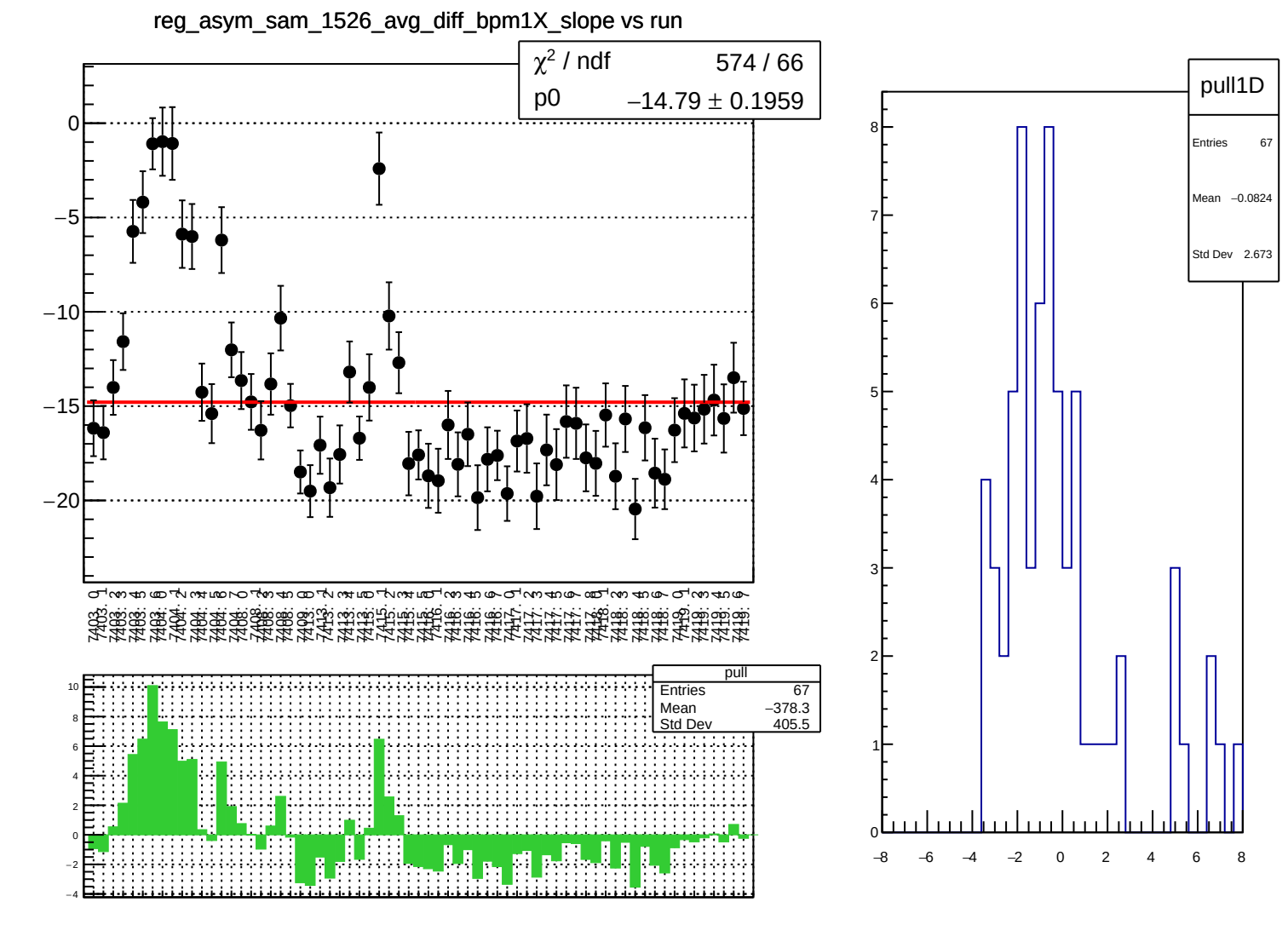

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 451.6 / 66
p0 −30.32 ± 0.6483
pull
Entries 67
Mean −30.35
Std Dev 34.5
pull1D
Entries 67
Mean −0.0008305
Std Dev 2.347

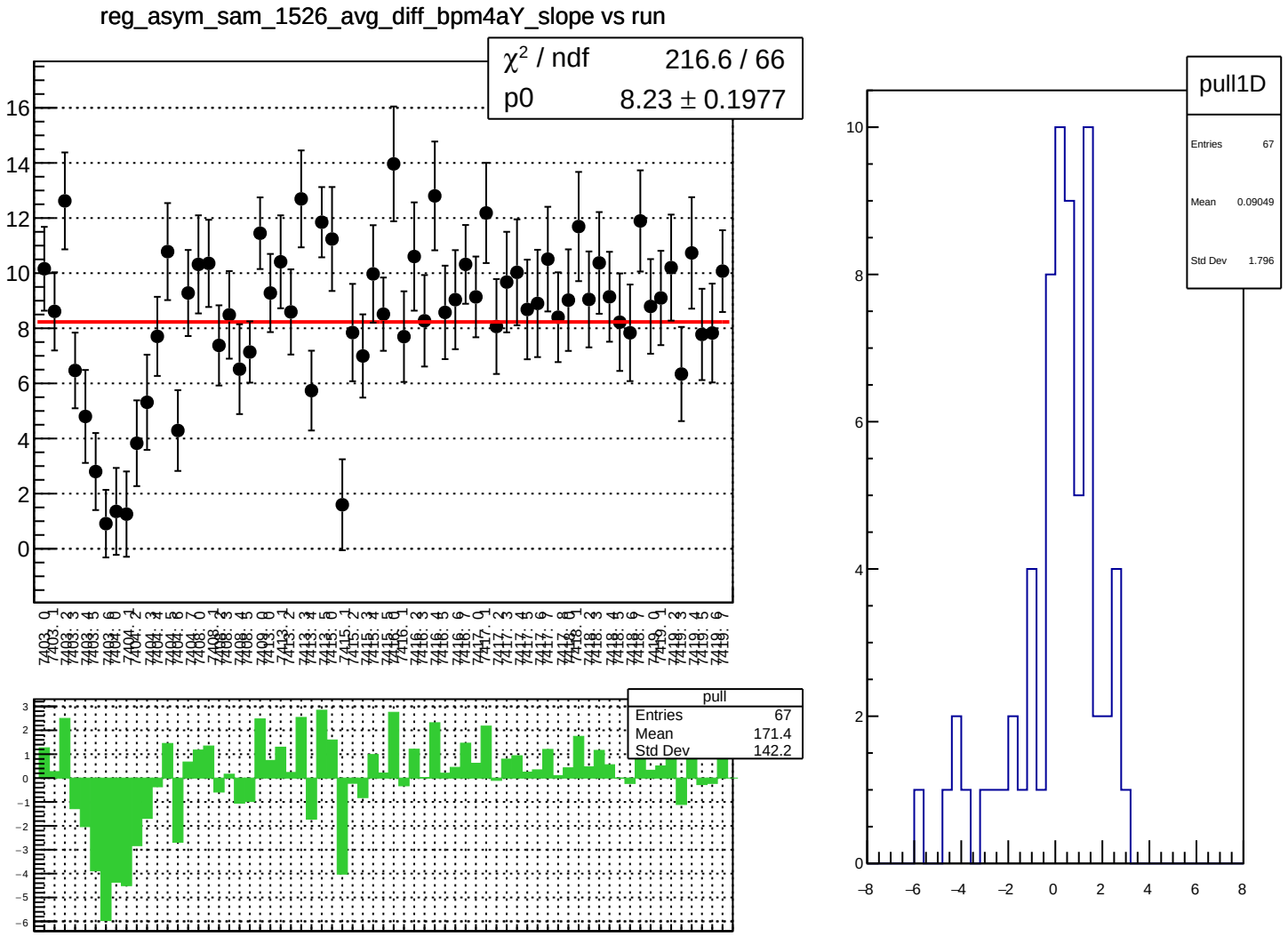

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 141.2 / 66
p0 43.66 ± 0.6666
pull
Entries 67
Mean 348.6
Std Dev 301.5

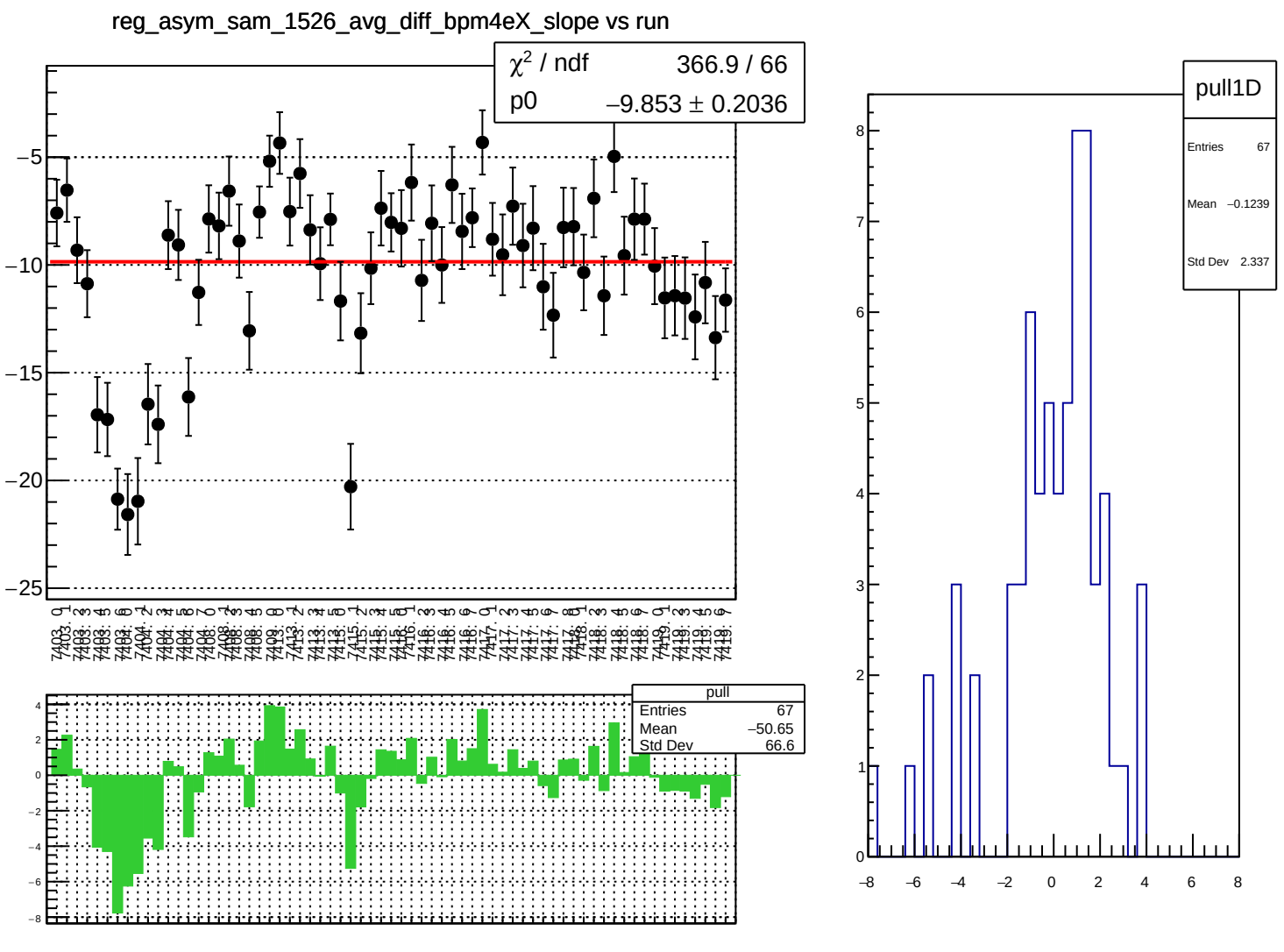

pull1D
Entries 67
Mean 0.01702
Std Dev 1.451

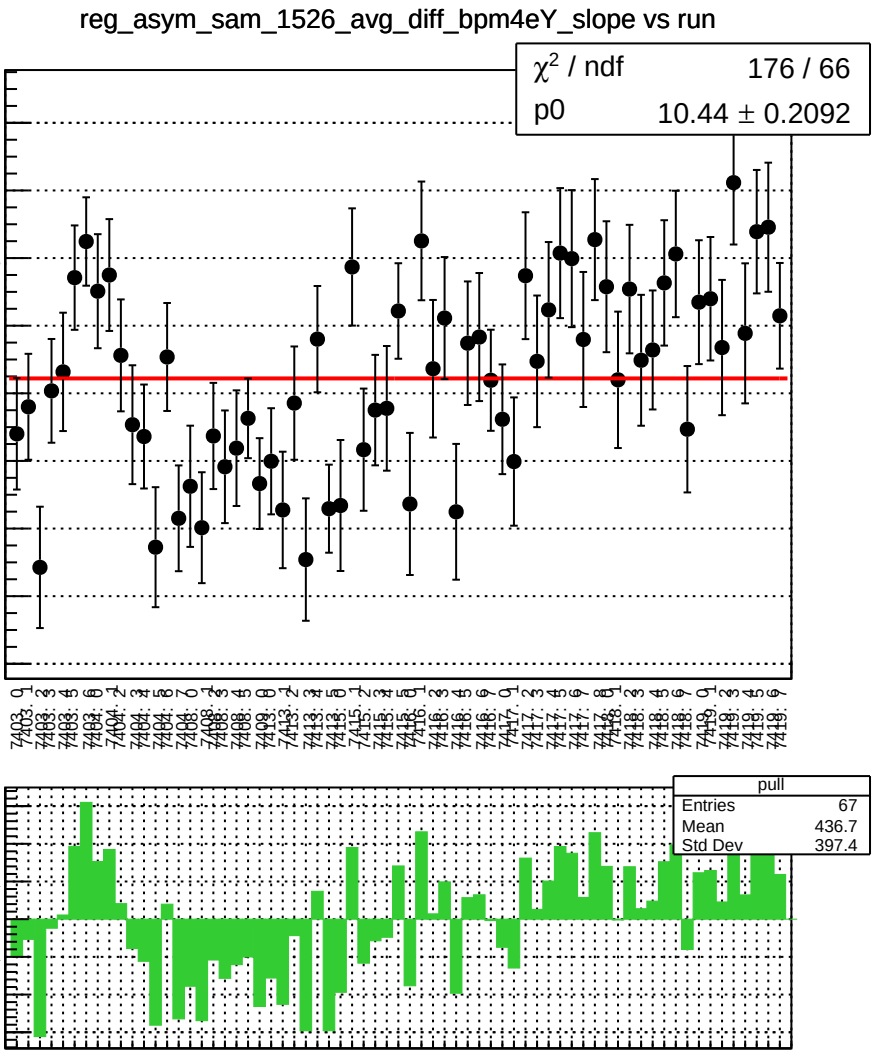

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 29.79 / 66
p0 0.2565 ± 0.02943
pull
Entries 67
Mean 307.7
Std Dev 274.7

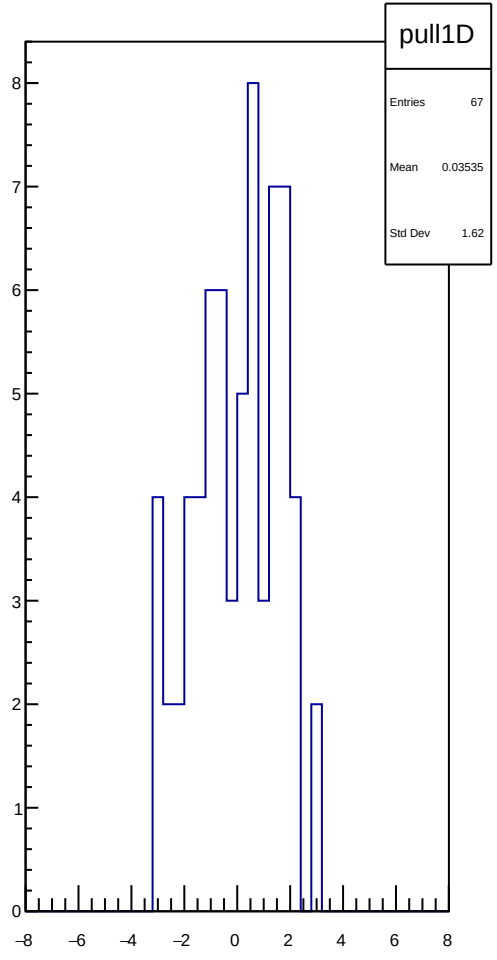

pull1D
Entries 67
Mean 0.04183
Std Dev 0.6655

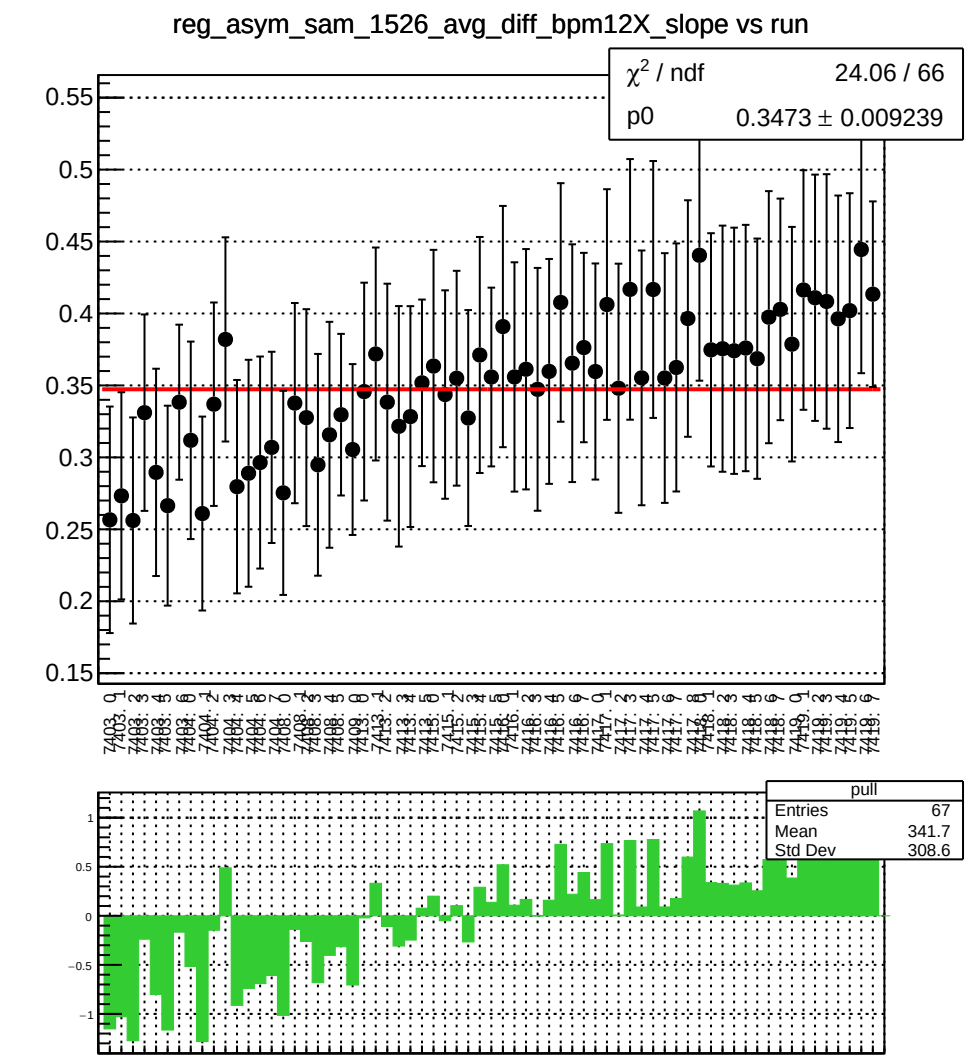

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 574 / 66
p0 −14.79 ± 0.1959
pull
Entries 67
Mean −378.3
Std Dev 405.5
pull1D
Entries 67
Mean −0.0824
Std Dev 2.673

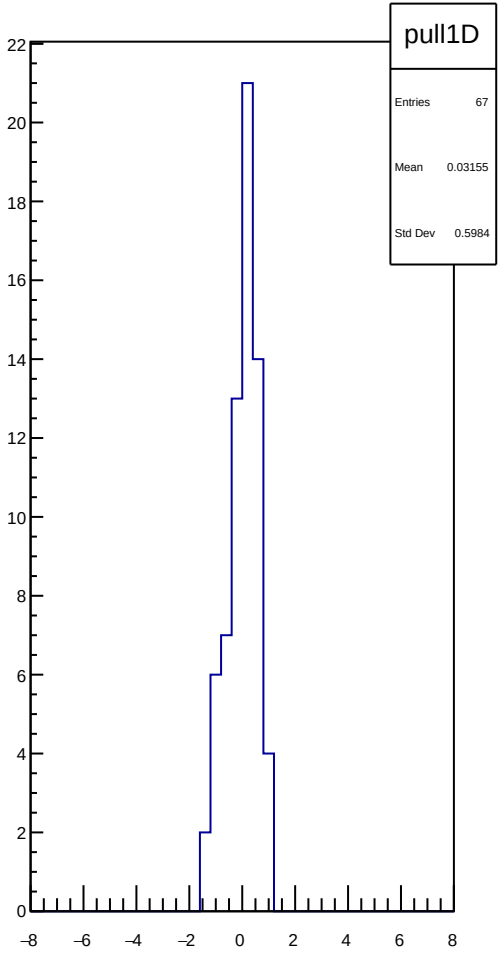

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 216.6 / 66
p0 8.23 ± 0.1977
pull
Entries 67
Mean 171.4
Std Dev 142.2
pull1D
Entries 67
Mean 0.09049
Std Dev 1.796

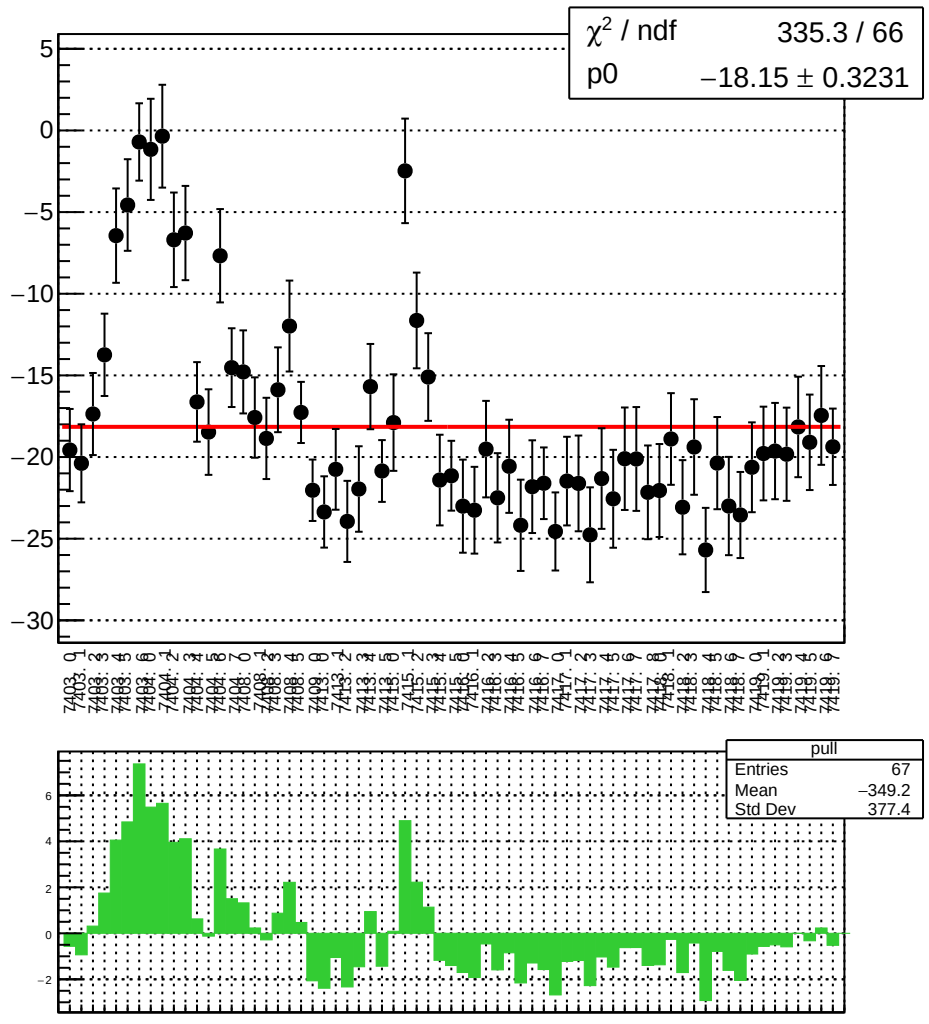

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 366.9 / 66
p0 −9.853 ± 0.2036
pull
Entries 67
Mean −50.65
Std Dev 66.6
pull1D
Entries 67
Mean −0.1239
Std Dev 2.337

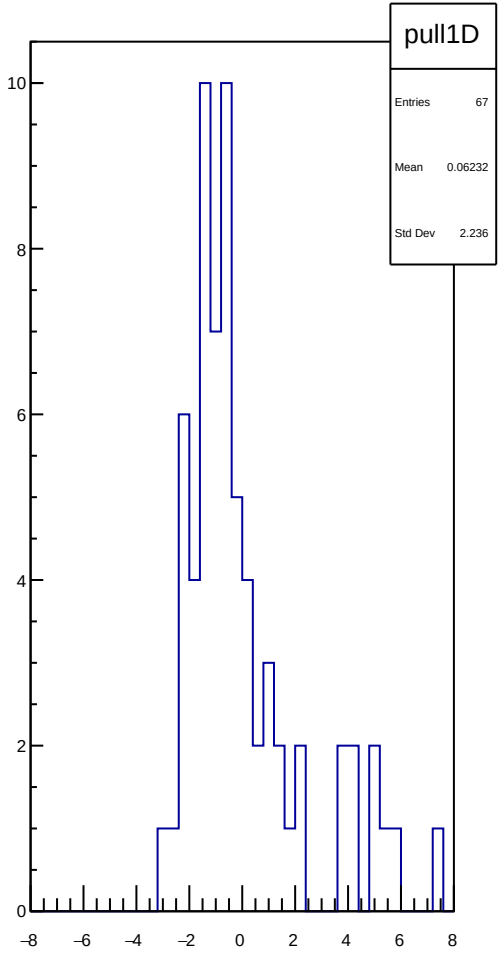

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 176 / 66
p0 10.44 ± 0.2092
pull
Entries 67
Mean 436.7
Std Dev 397.4

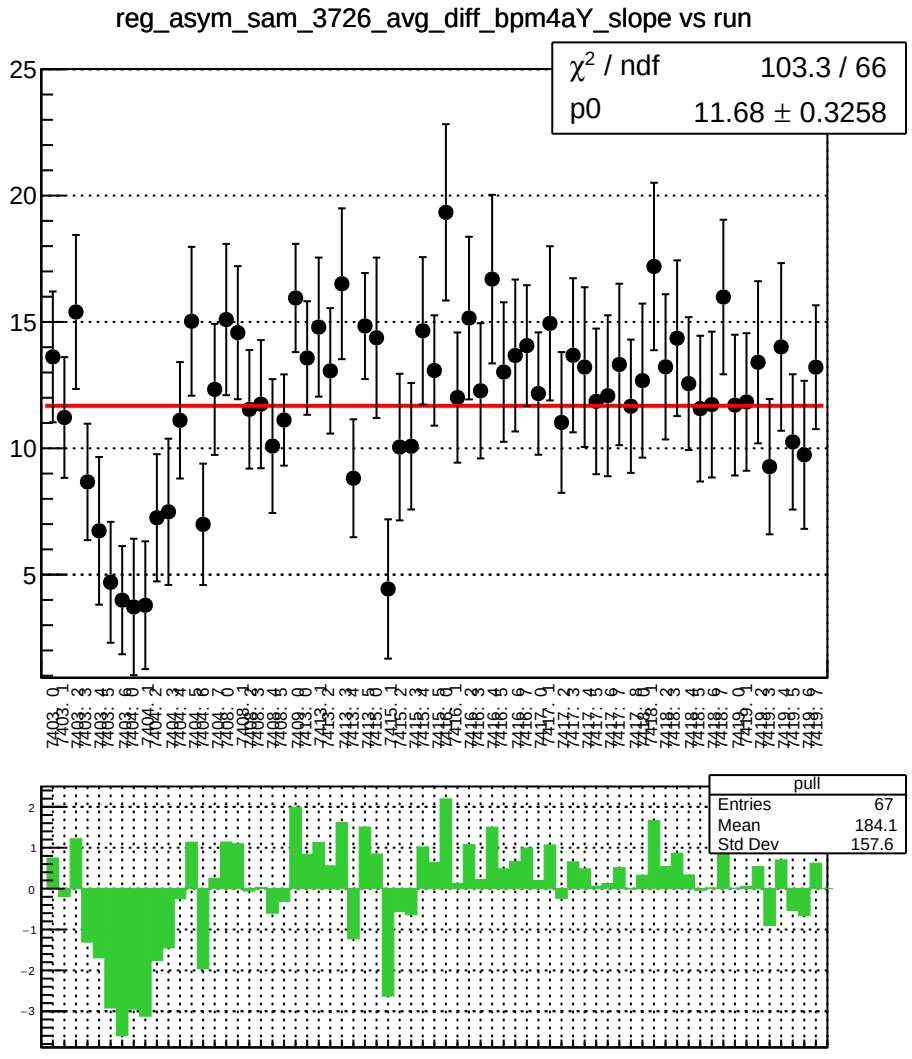

pull1D
Entries 67
Mean 0.03535
Std Dev 1.62

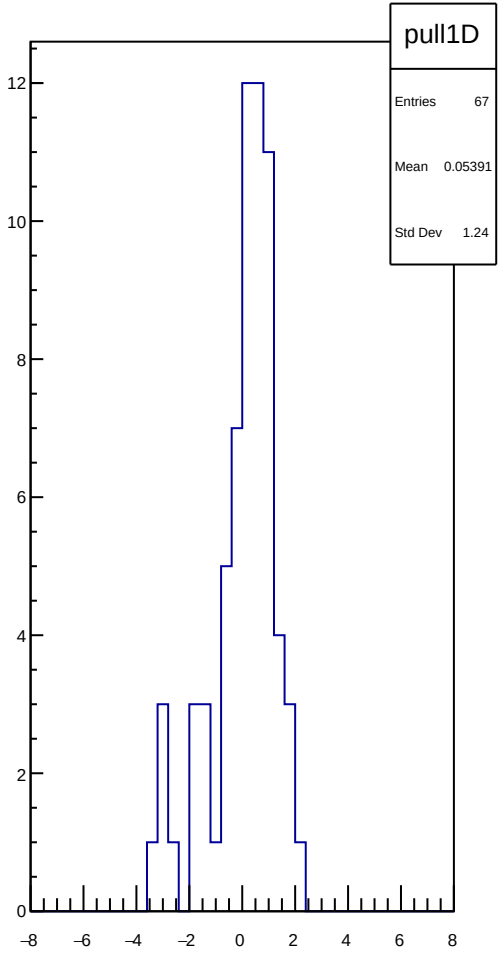

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 24.06 / 66
p0 0.3473 ± 0.009239
pull
Entries 67
Mean 341.7
Std Dev 308.6

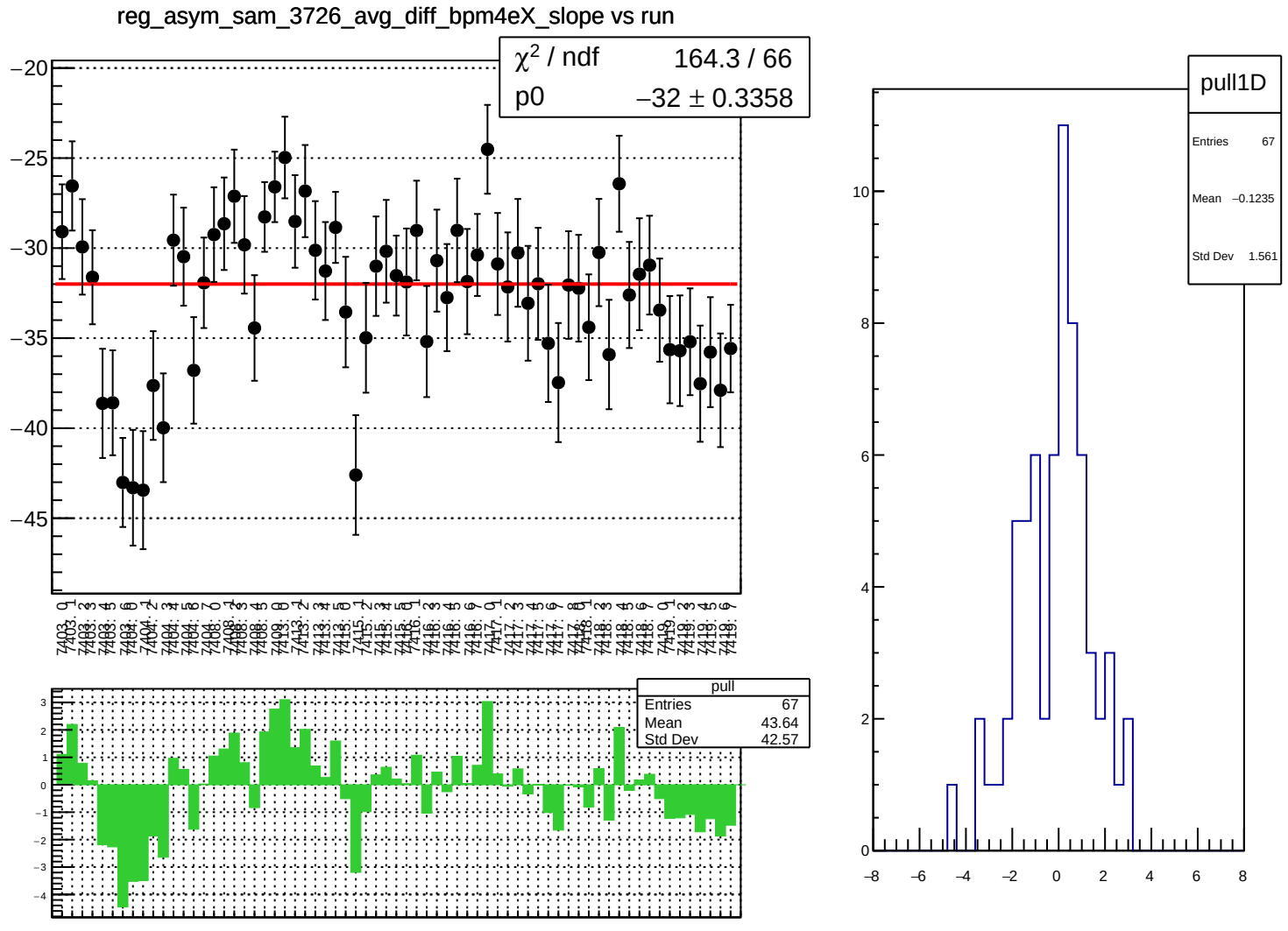

pull1D
Entries 67
Mean 0.03155
Std Dev 0.5984

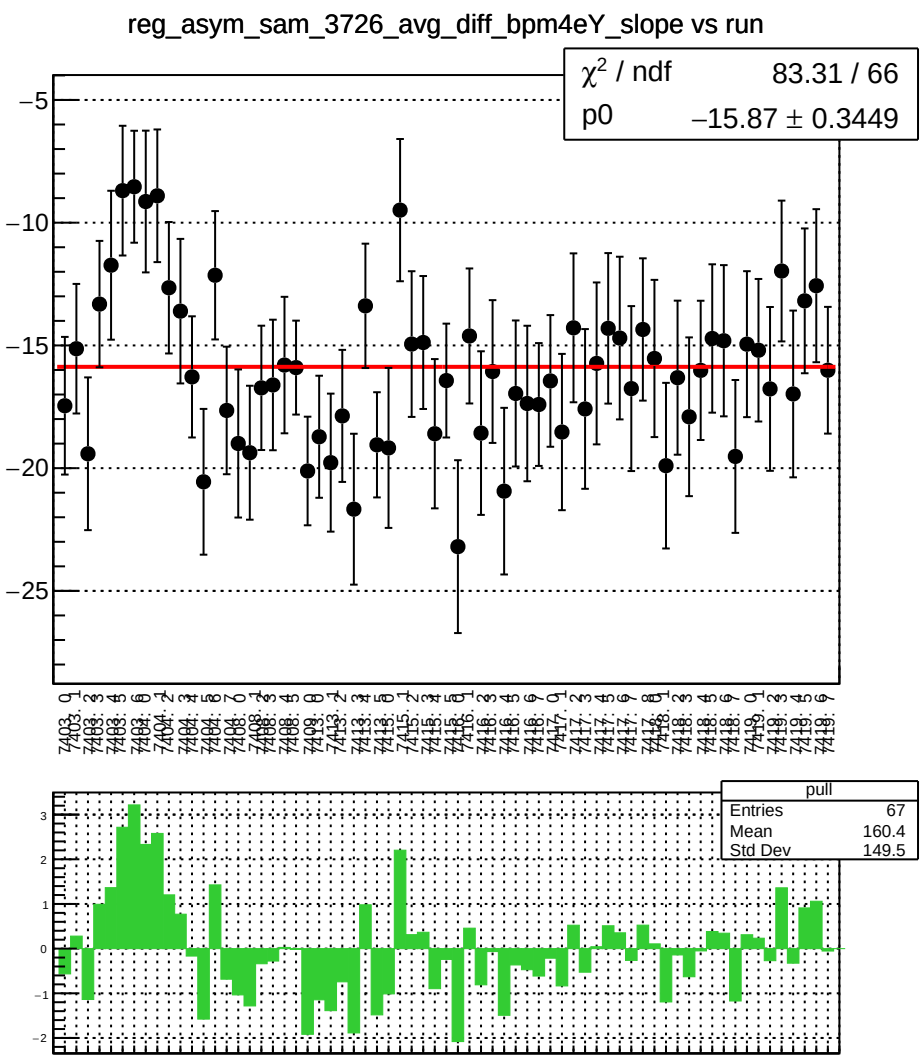

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 335.3 / 66
p0 −18.15 ± 0.3231
pull
Entries 67
Mean −349.2
Std Dev 377.4

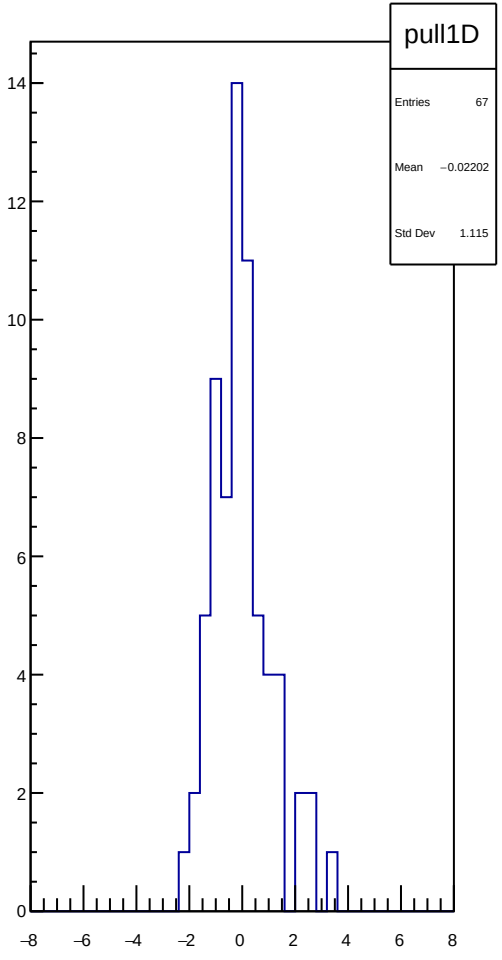

pull1D
Entries 67
Mean 0.06232
Std Dev 2.236

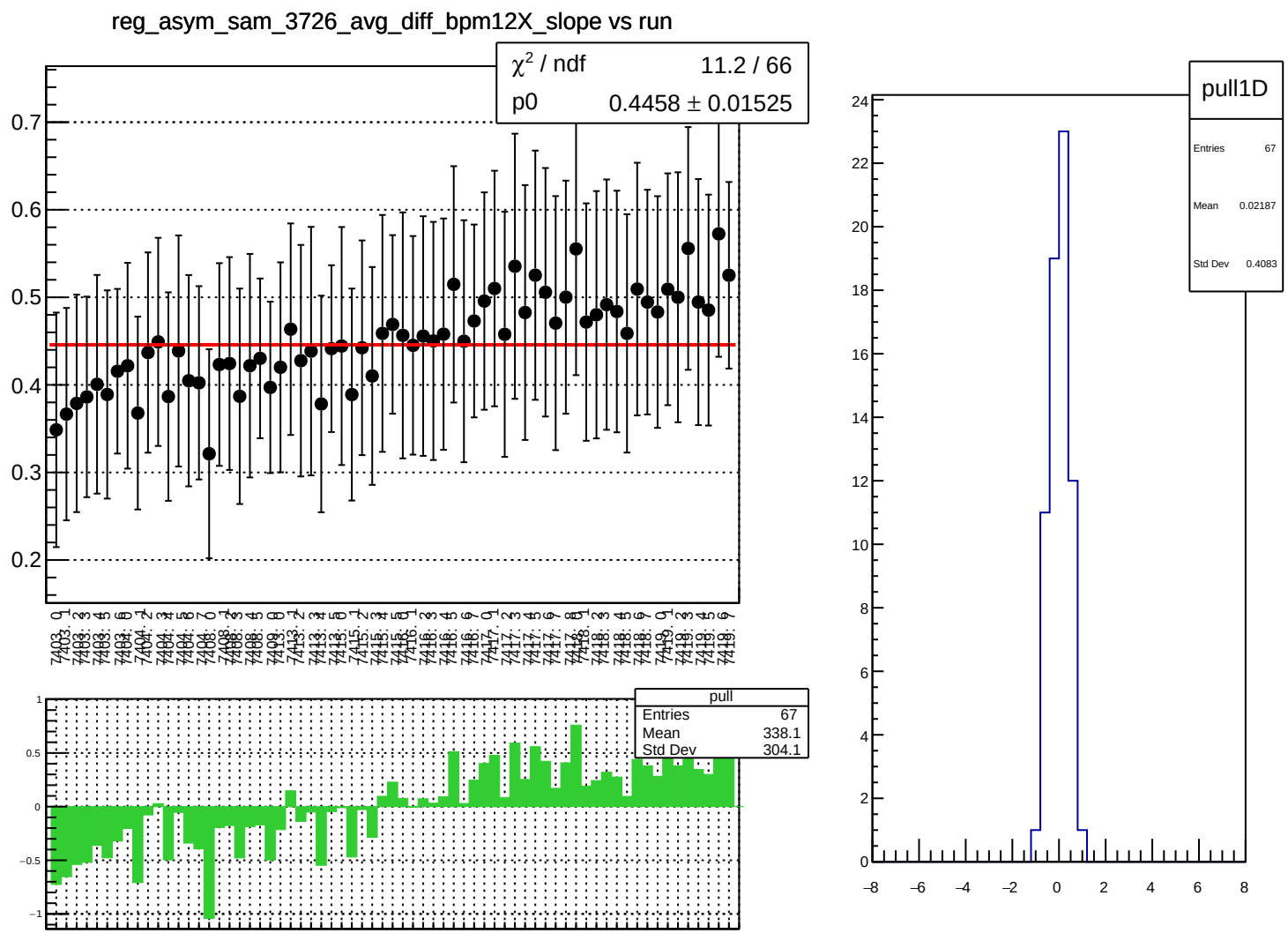

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 103.3 / 66
p0 11.68 ± 0.3258
pull
Entries 67
Mean 184.1
Std Dev 157.6

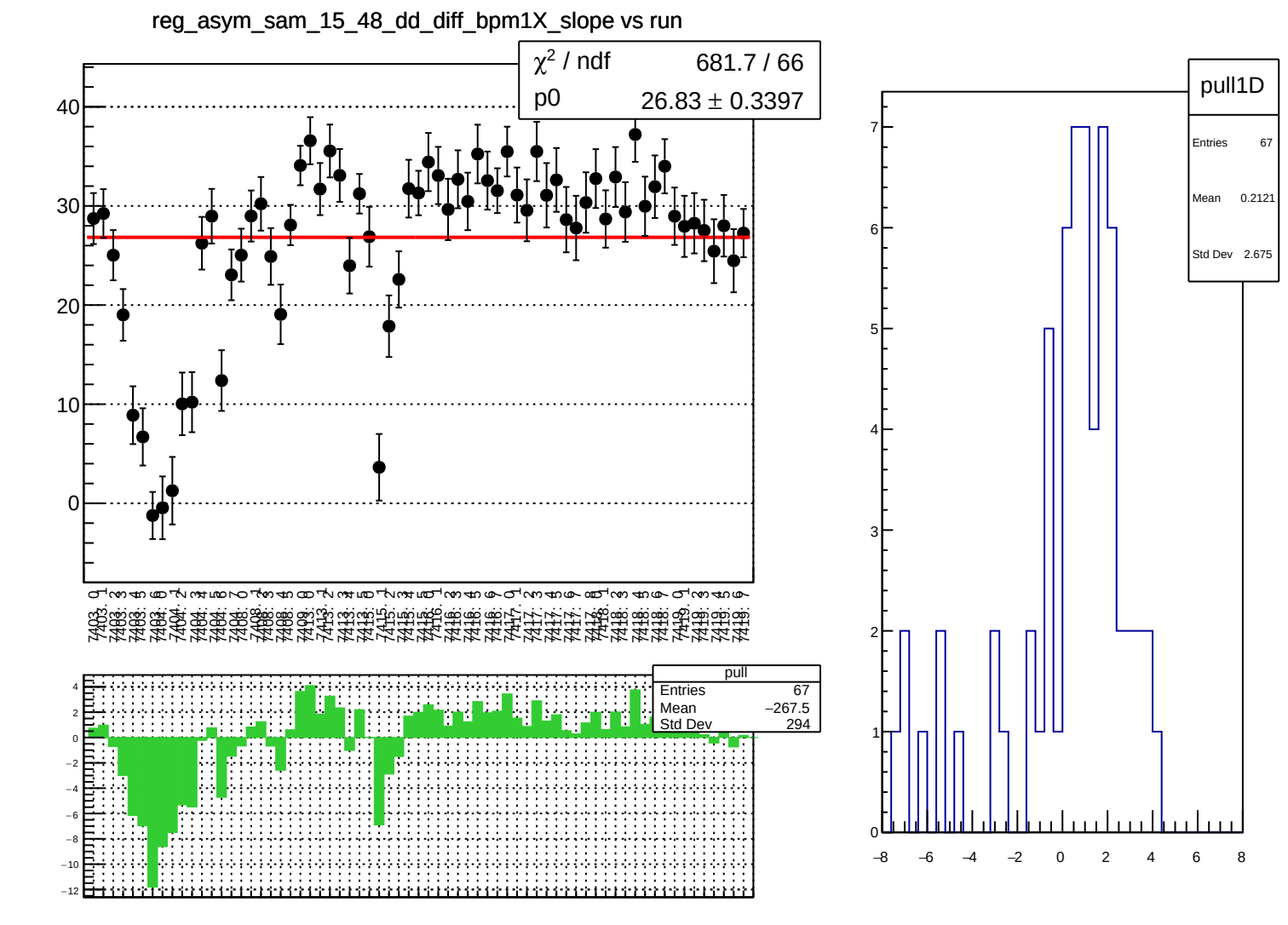

pull1D
Entries 67
Mean 0.05391
Std Dev 1.24

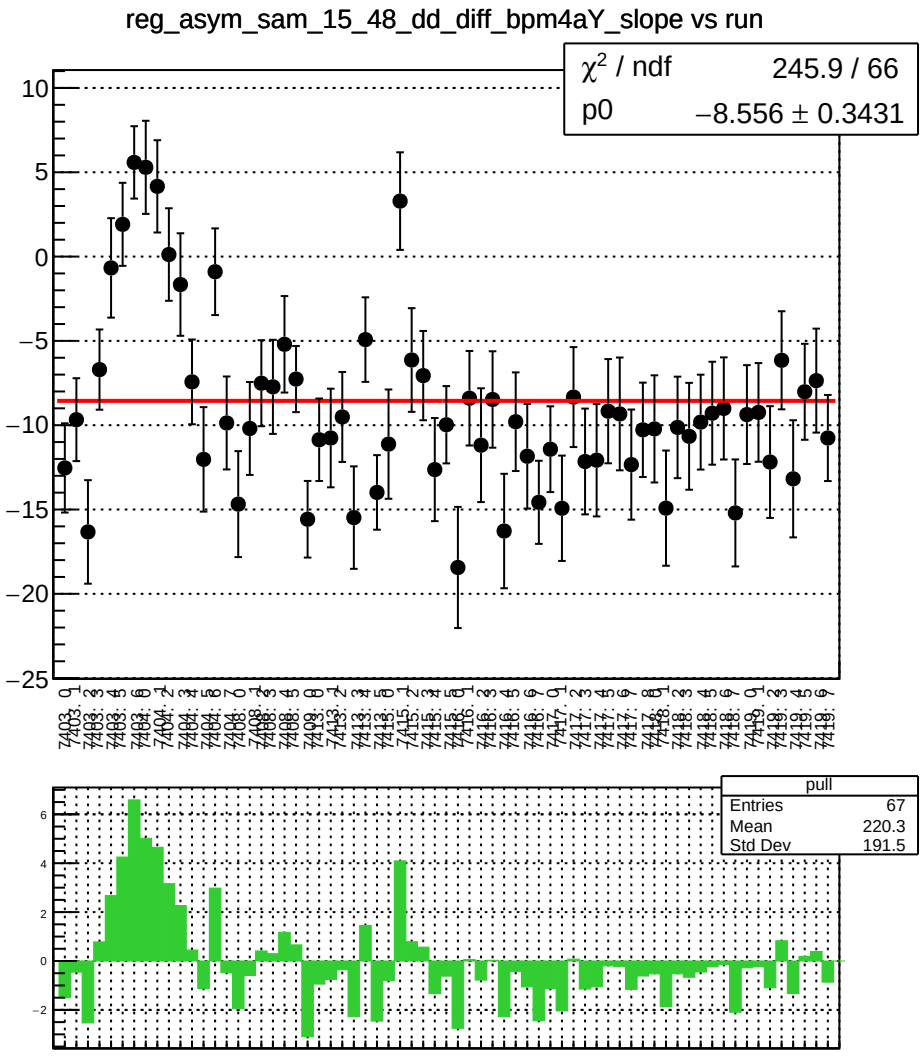

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 164.3 / 66
p0 −32 ± 0.3358
pull
Entries 67
Mean 43.64
Std Dev 42.57
pull1D
Entries 67
Mean −0.1235
Std Dev 1.561

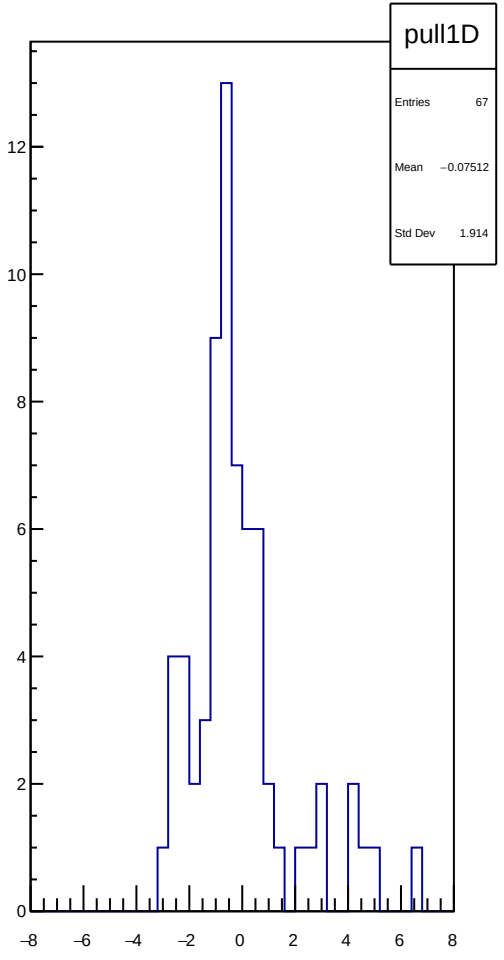

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 83.31 / 66
p0 −15.87 ± 0.3449
pull
Entries 67
Mean 160.4
Std Dev 149.5

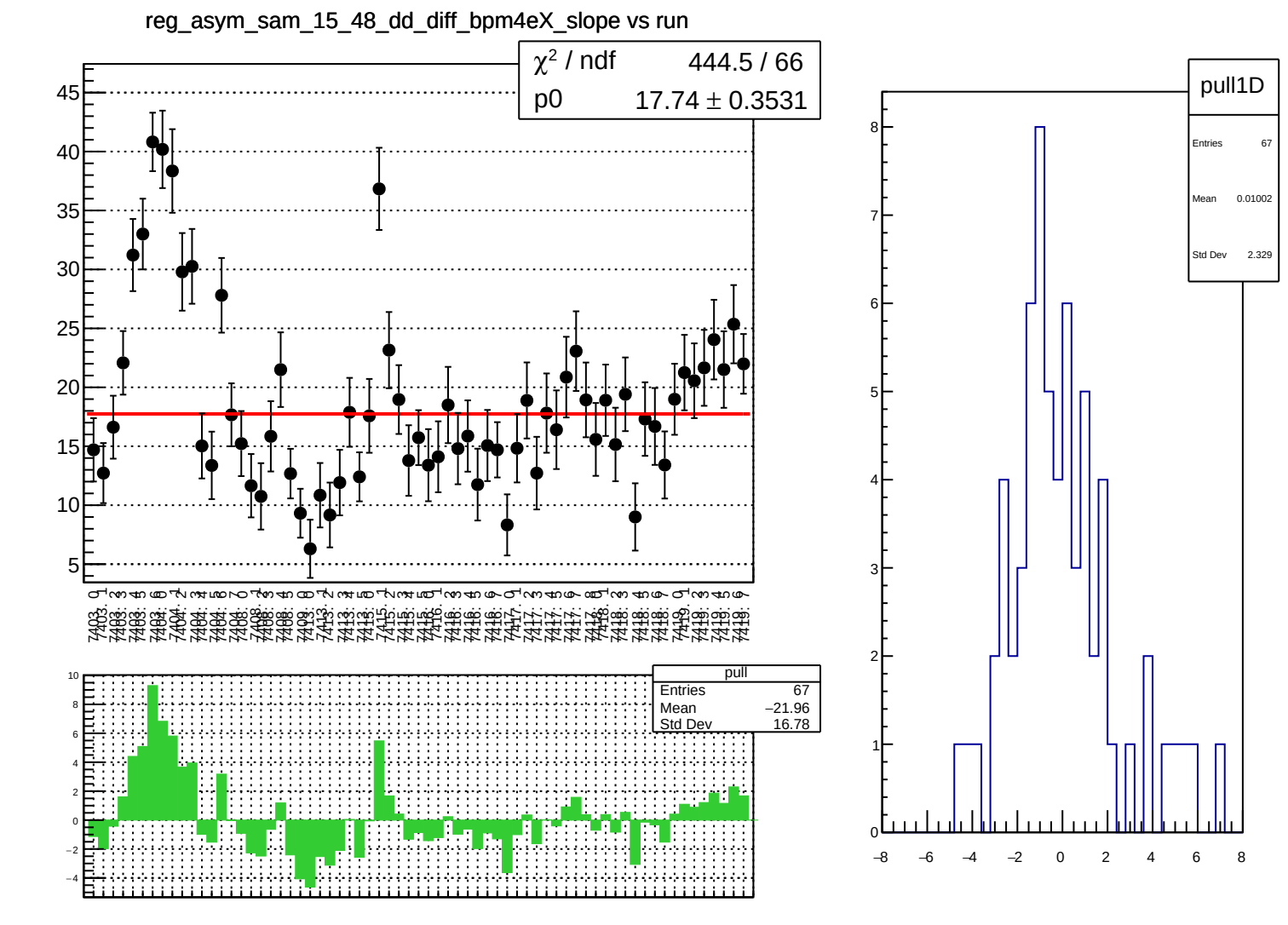

pull1D
Entries 67
Mean −0.02202
Std Dev 1.115

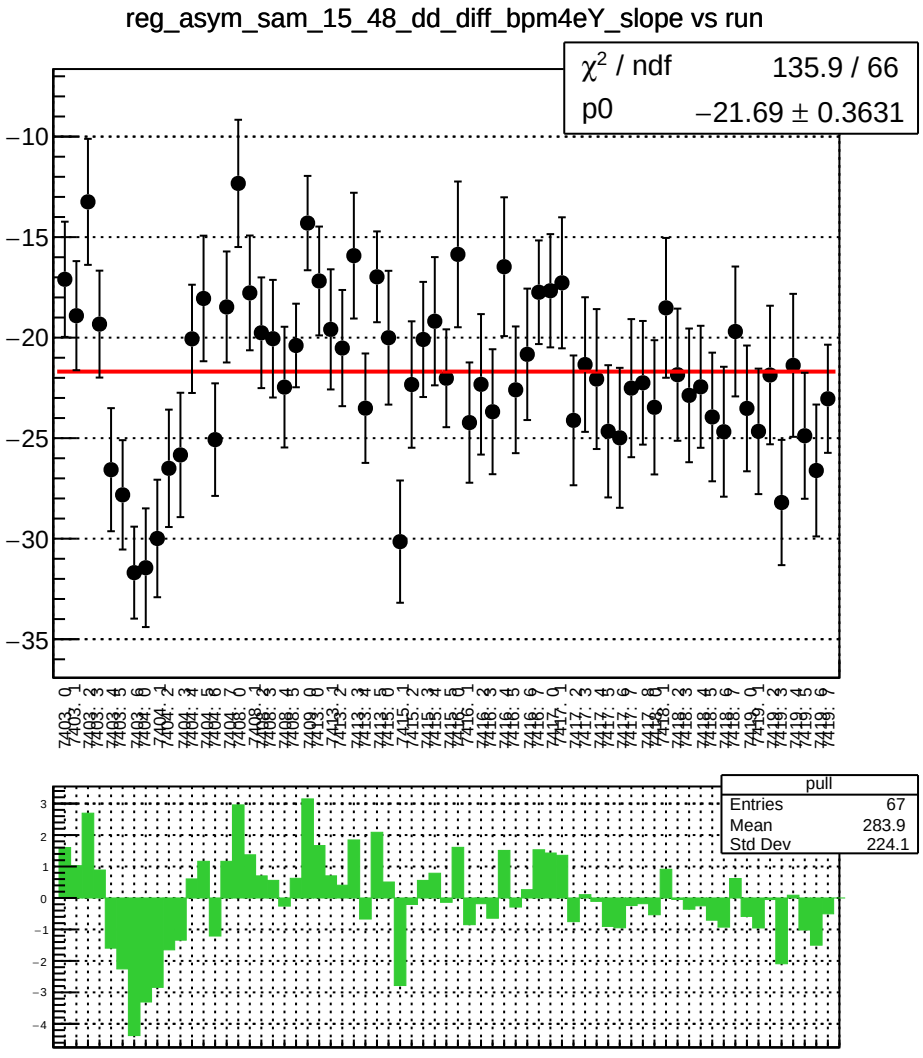

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 11.2 / 66
p0 0.4458 ± 0.01525
pull
Entries 67
Mean 338.1
Std Dev 304.1
pull1D
Entries 67
Mean 0.02187
Std Dev 0.4083

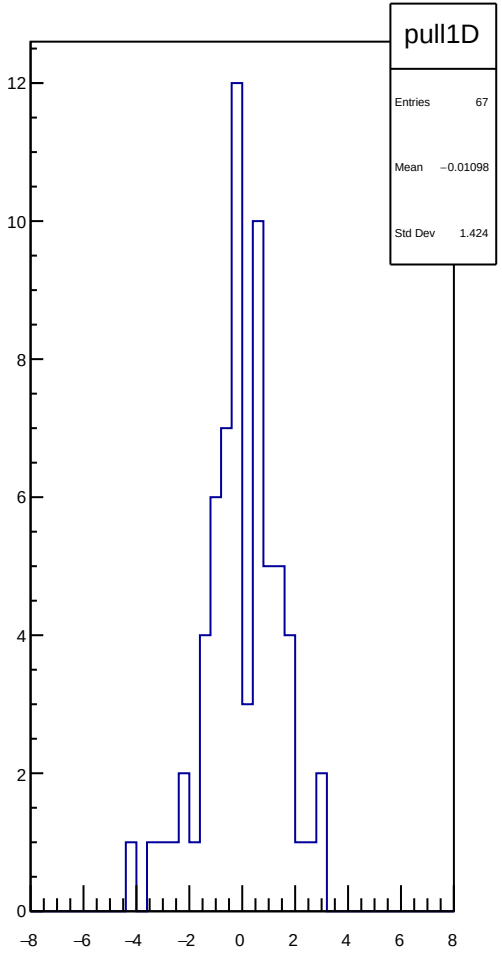

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 681.7 / 66
p0 26.83 ± 0.3397
pull
Entries 67
Mean −267.5
Std Dev 294
pull1D
Entries 67
Mean 0.2121
Std Dev 2.675

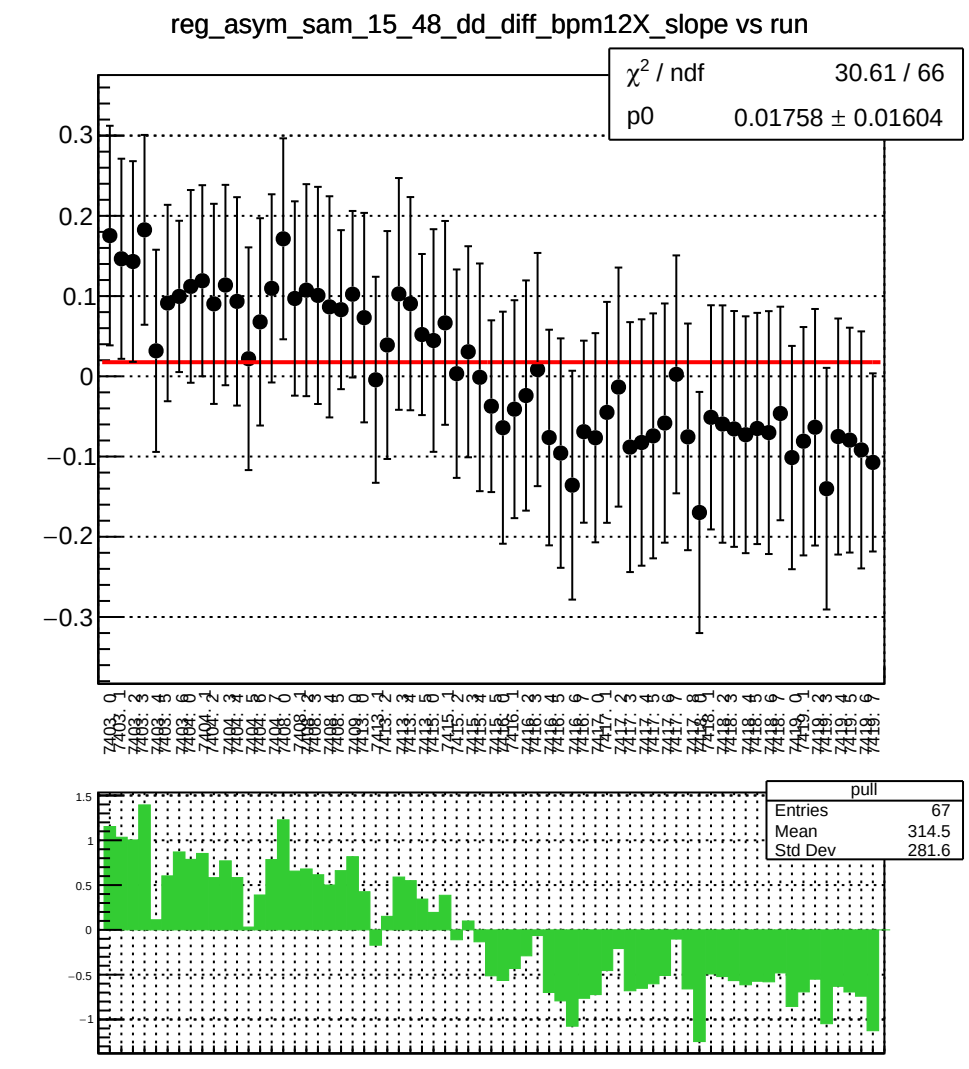

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 245.9 / 66
p0 −8.556 ± 0.3431
pull
Entries 67
Mean 220.3
Std Dev 191.5

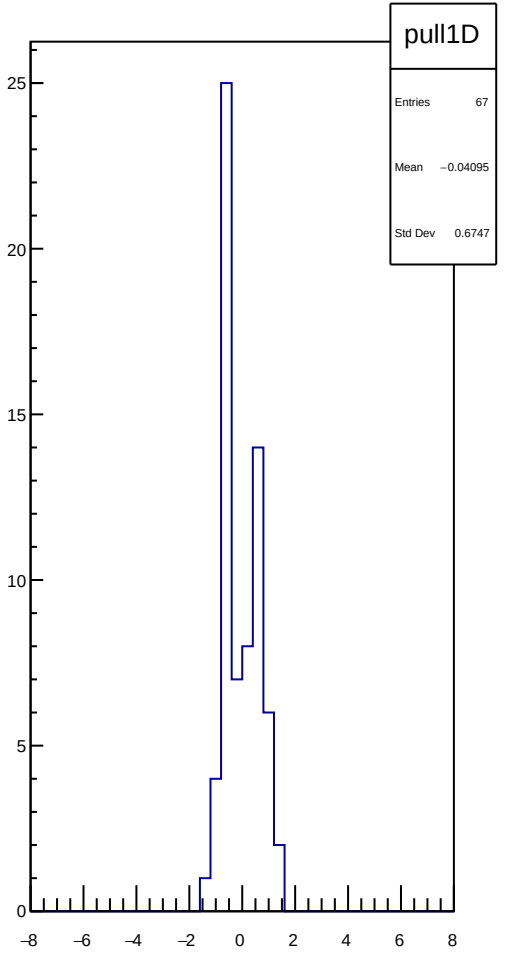

pull1D
Entries 67
Mean −0.07512
Std Dev 1.914

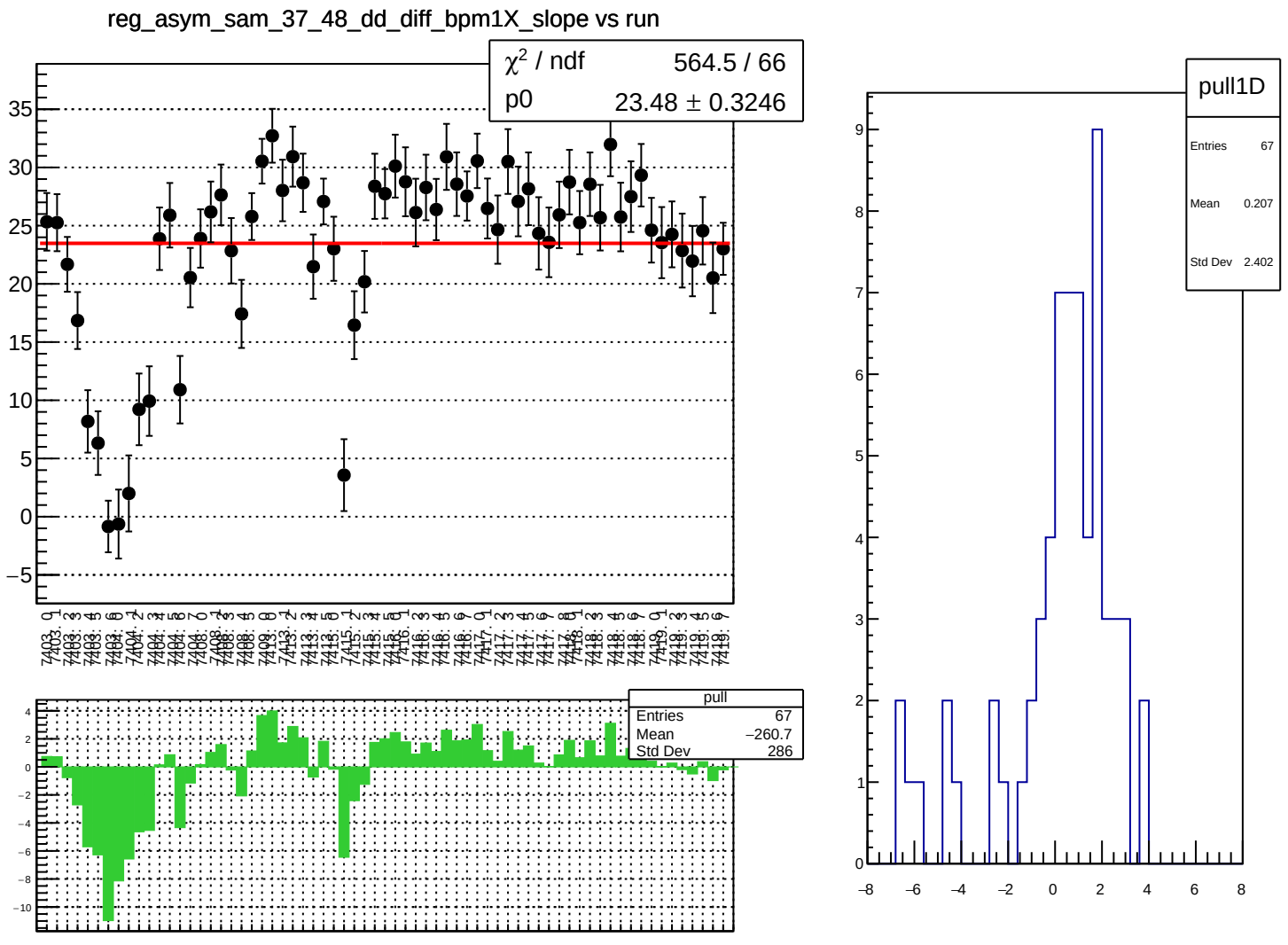

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 444.5 / 66
p0 17.74 ± 0.3531
pull
Entries 67
Mean −21.96
Std Dev 16.78
pull1D
Entries 67
Mean 0.01002
Std Dev 2.329

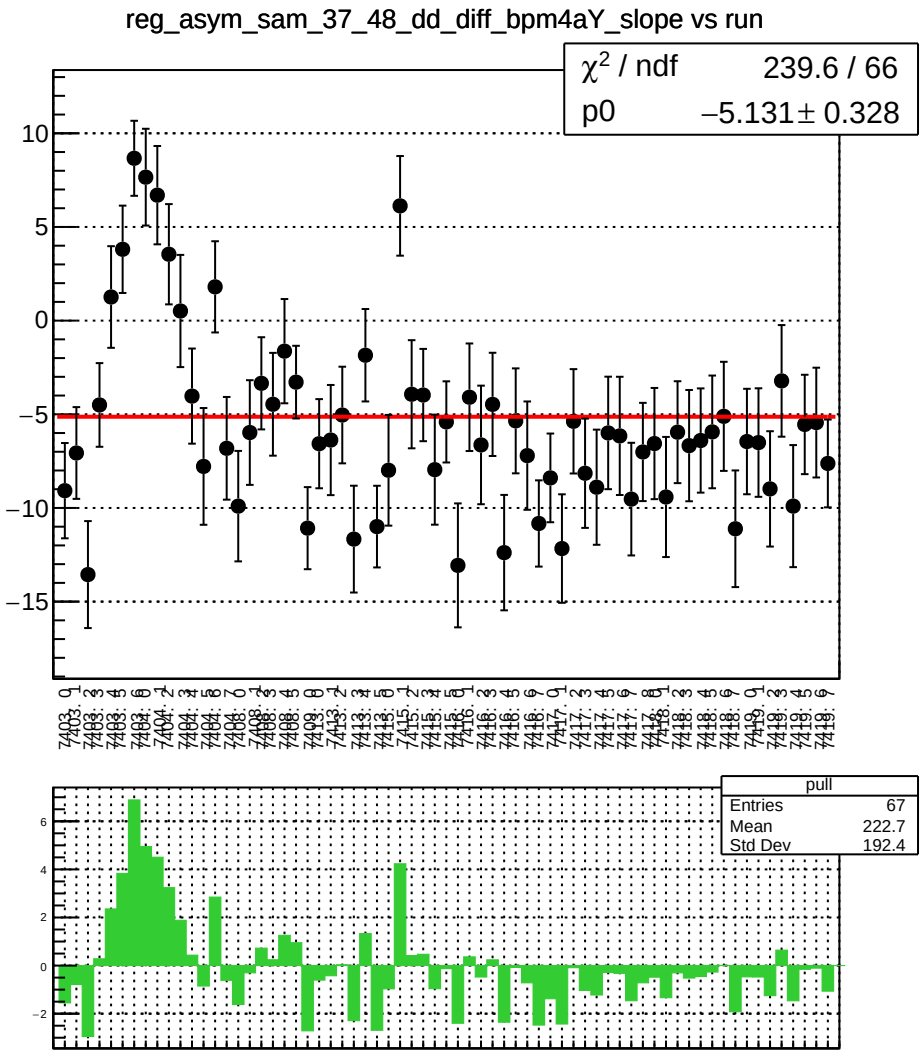

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 135.9 / 66
p0 −21.69 ± 0.3631
pull
Entries 67
Mean 283.9
Std Dev 224.1

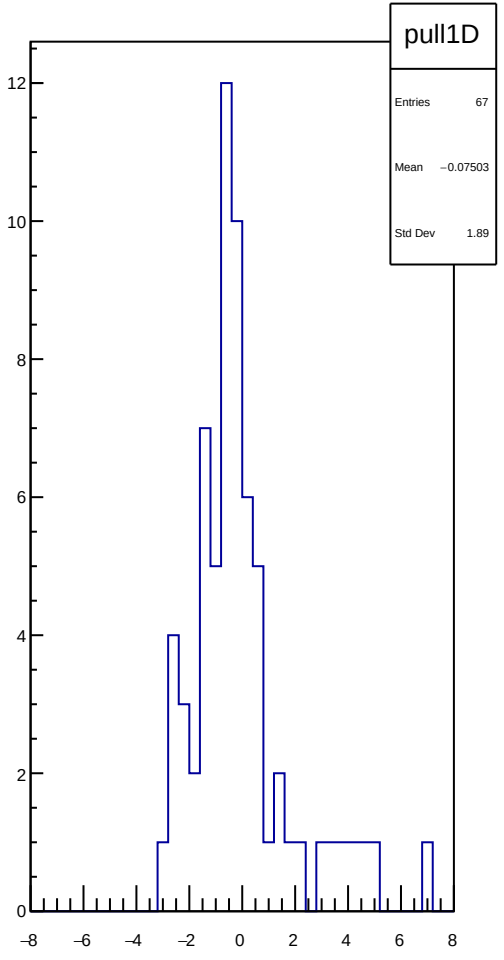

pull1D
Entries 67
Mean −0.01098
Std Dev 1.424

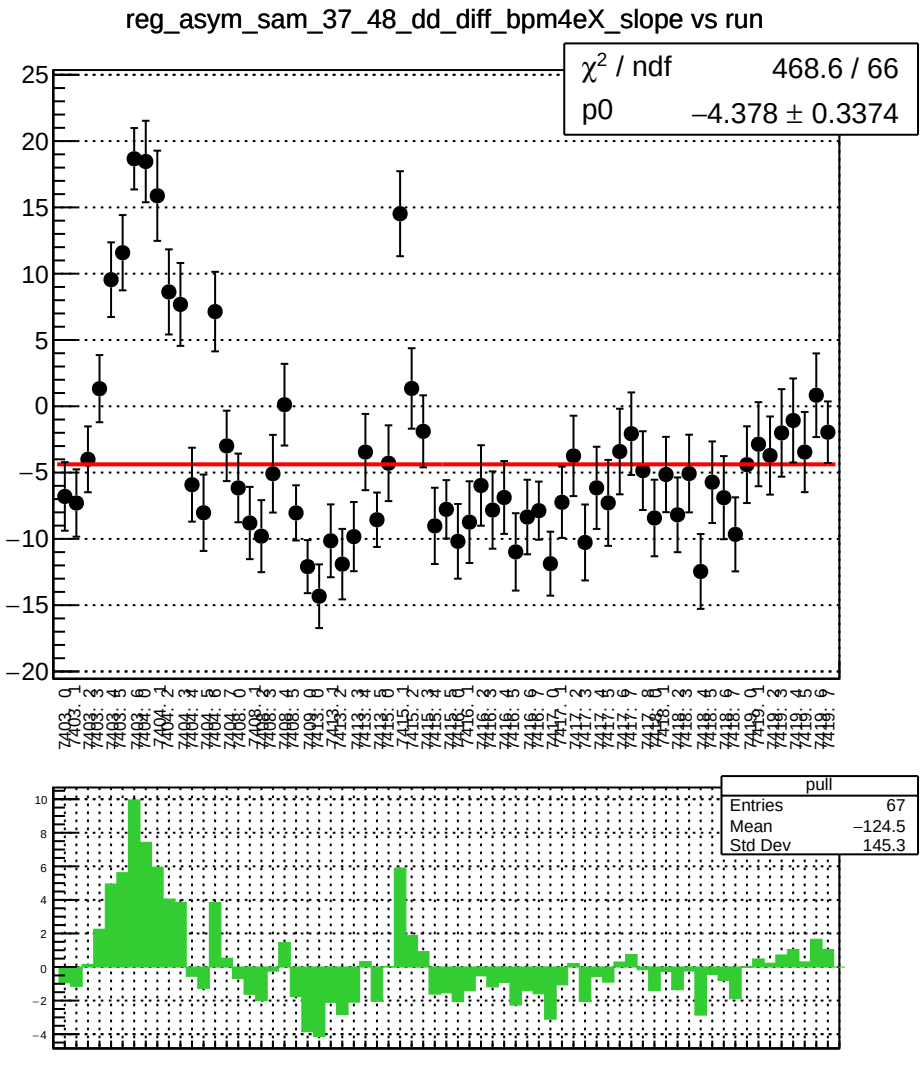

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 30.61 / 66
p0 0.01758 ± 0.01604
pull
Entries 67
Mean 314.5
Std Dev 281.6

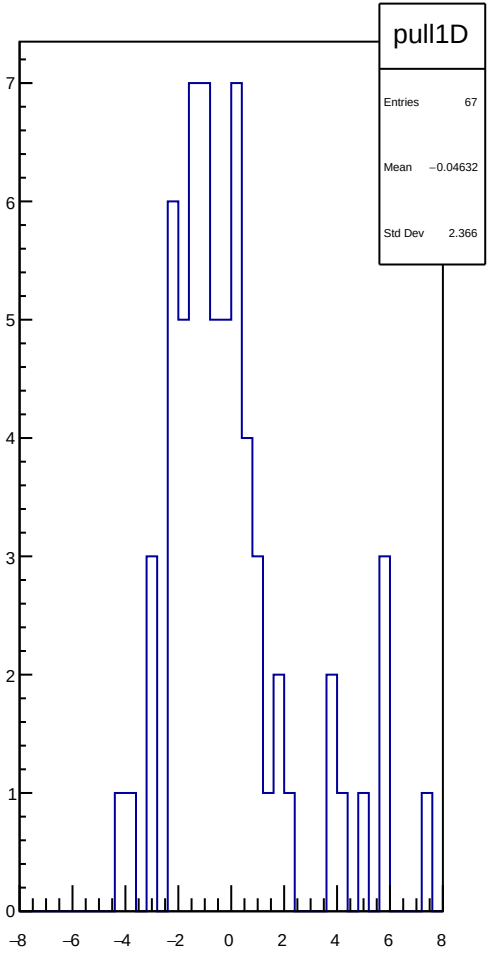

pull1D
Entries 67
Mean −0.04095
Std Dev 0.6747

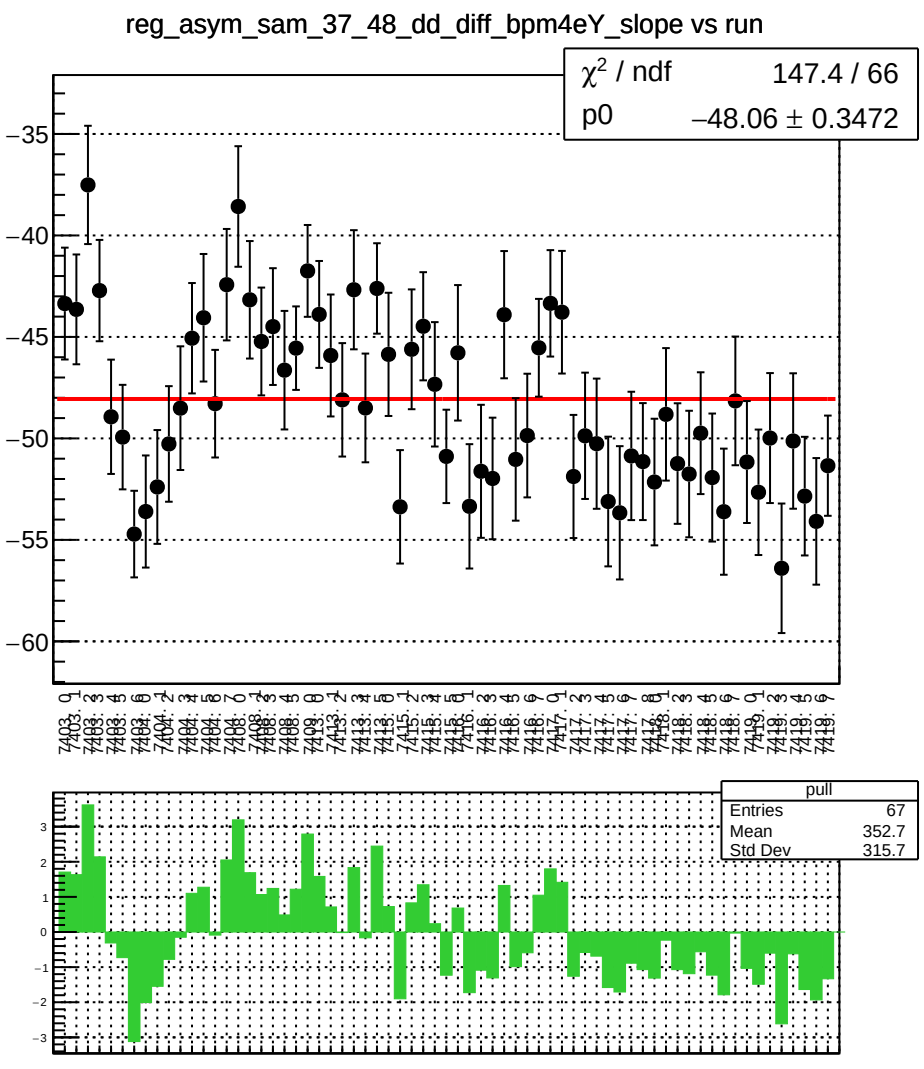

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 564.5 / 66
p0 23.48 ± 0.3246
pull
Entries 67
Mean −260.7
Std Dev 286
pull1D
Entries 67
Mean 0.207
Std Dev 2.402

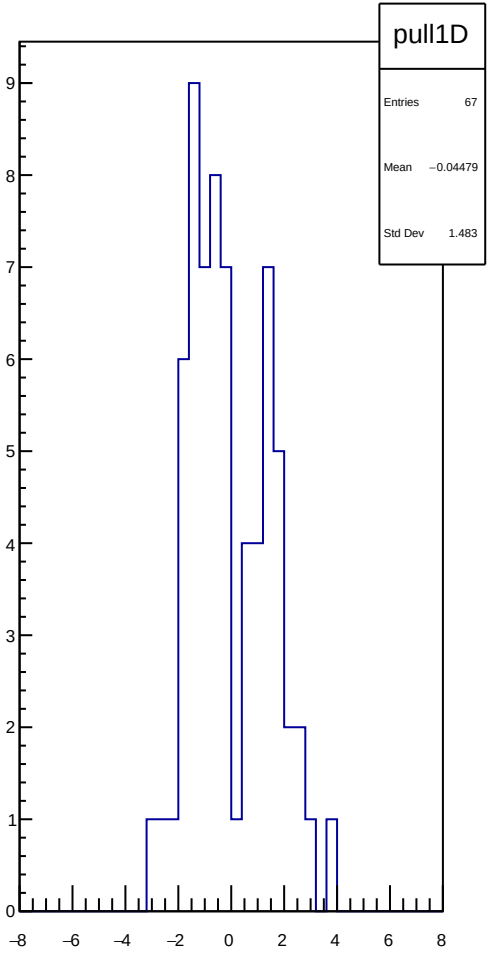

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 239.6 / 66
p0 −5.131 ± 0.328
pull
Entries 67
Mean 222.7
Std Dev 192.4

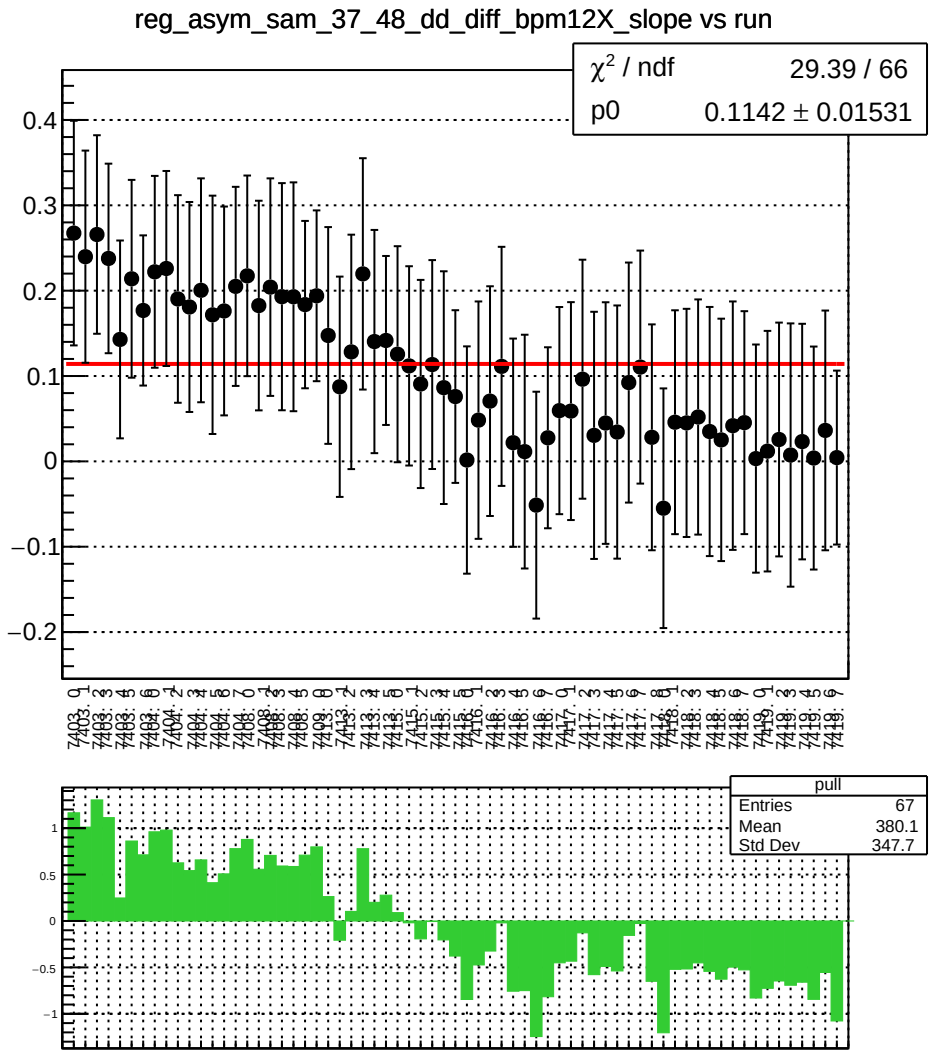

pull1D
Entries 67
Mean −0.07503
Std Dev 1.89

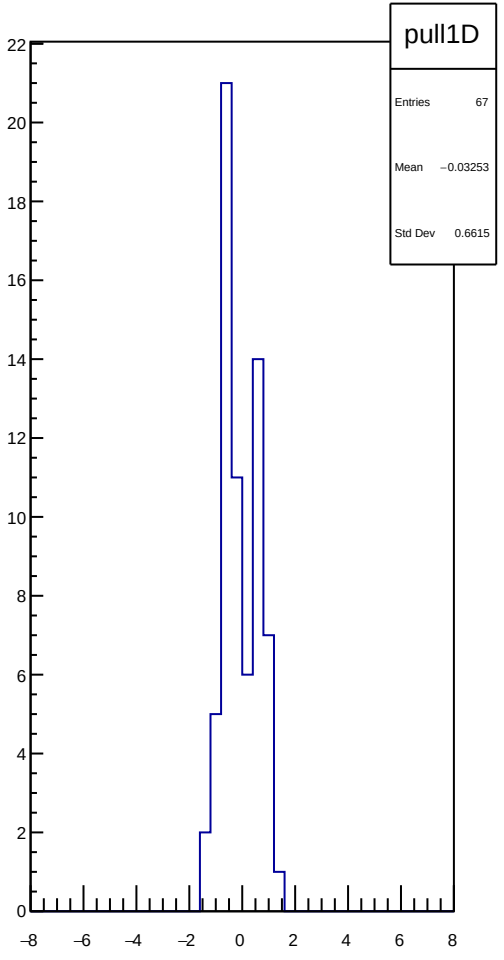

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 468.6 / 66
p0 −4.378 ± 0.3374
pull
Entries 67
Mean −124.5
Std Dev 145.3

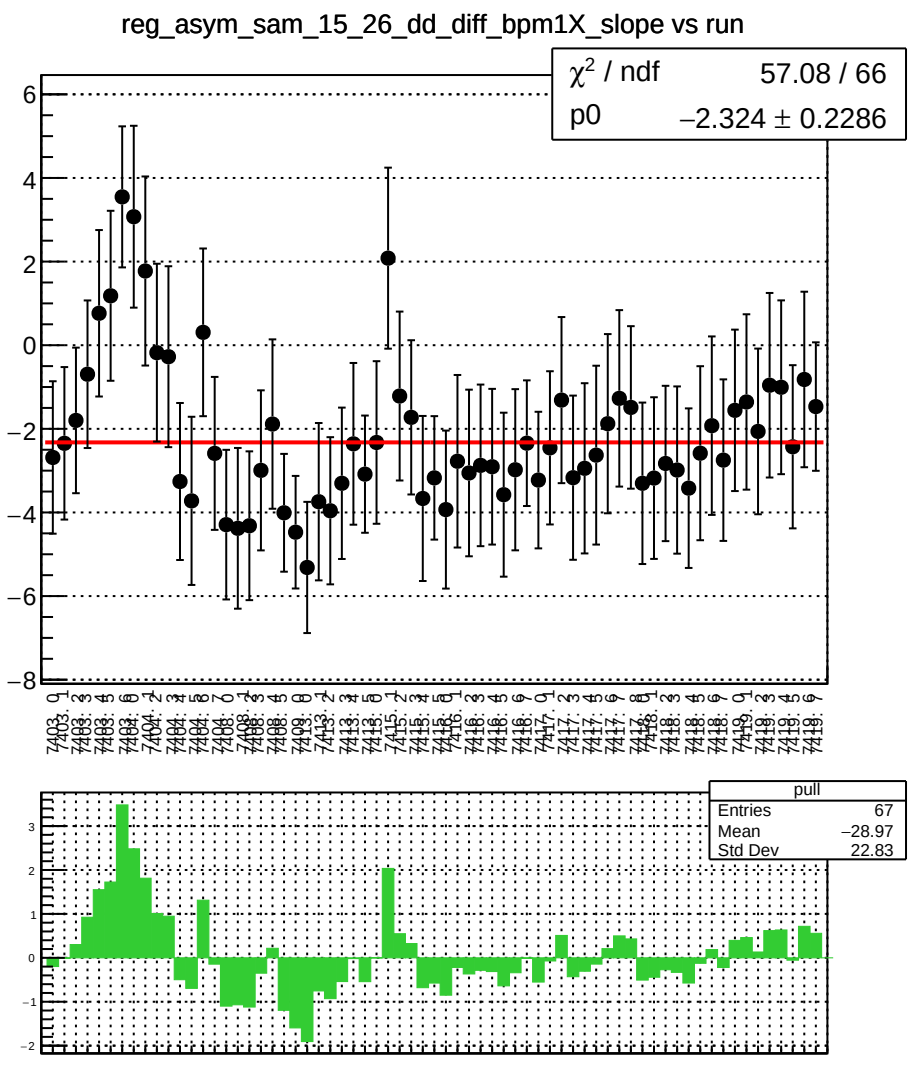

pull1D
Entries 67
Mean −0.04632
Std Dev 2.366

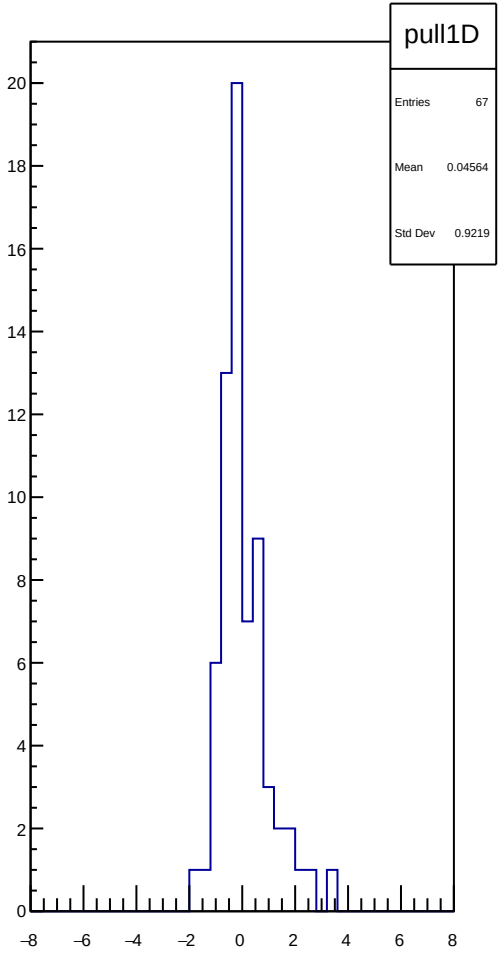

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 147.4 / 66
p0 −48.06 ± 0.3472
pull
Entries 67
Mean 352.7
Std Dev 315.7

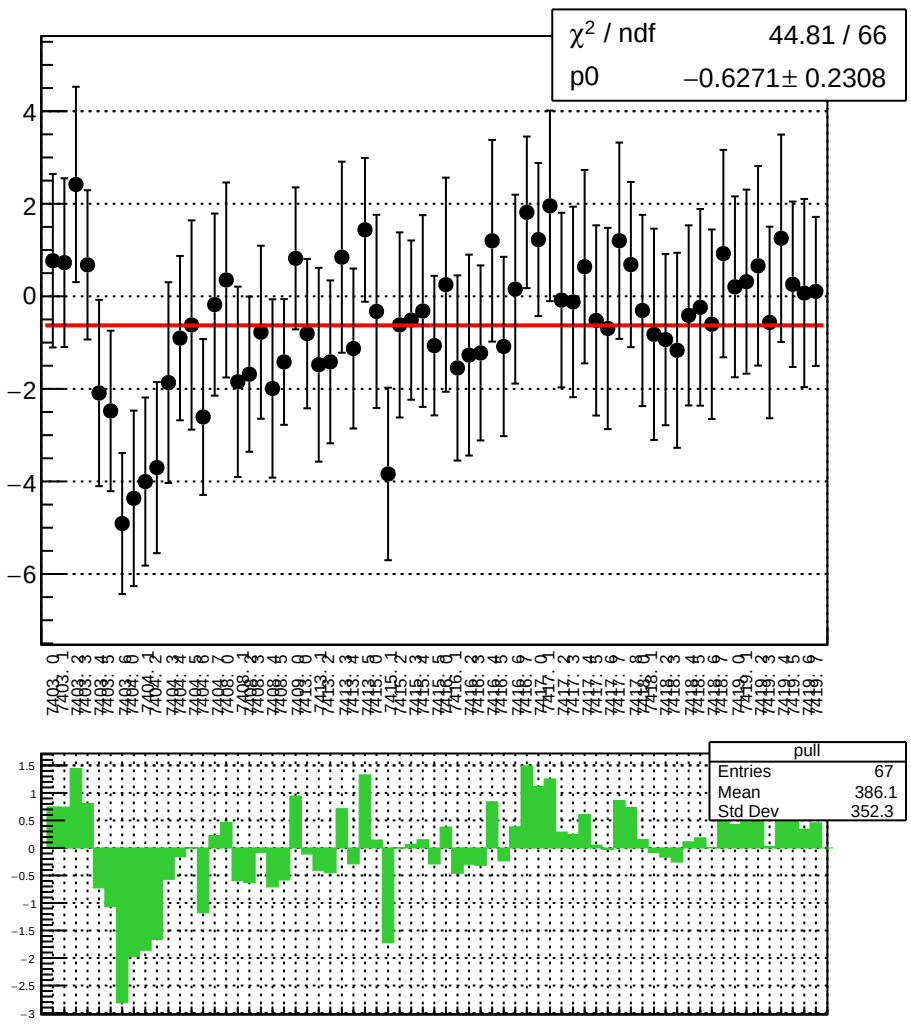

pull1D
Entries 67
Mean −0.04479
Std Dev 1.483

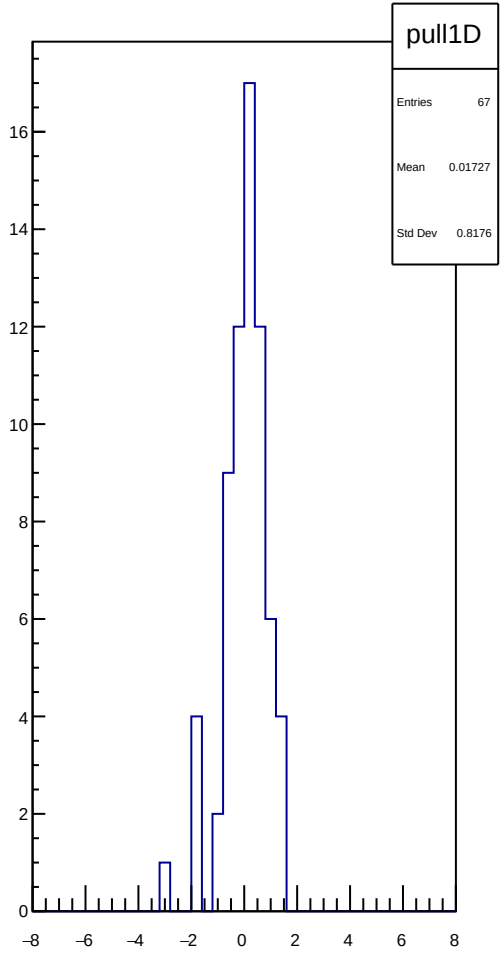

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 29.39 / 66
p0 0.1142 ± 0.01531
pull
Entries 67
Mean 380.1
Std Dev 347.7

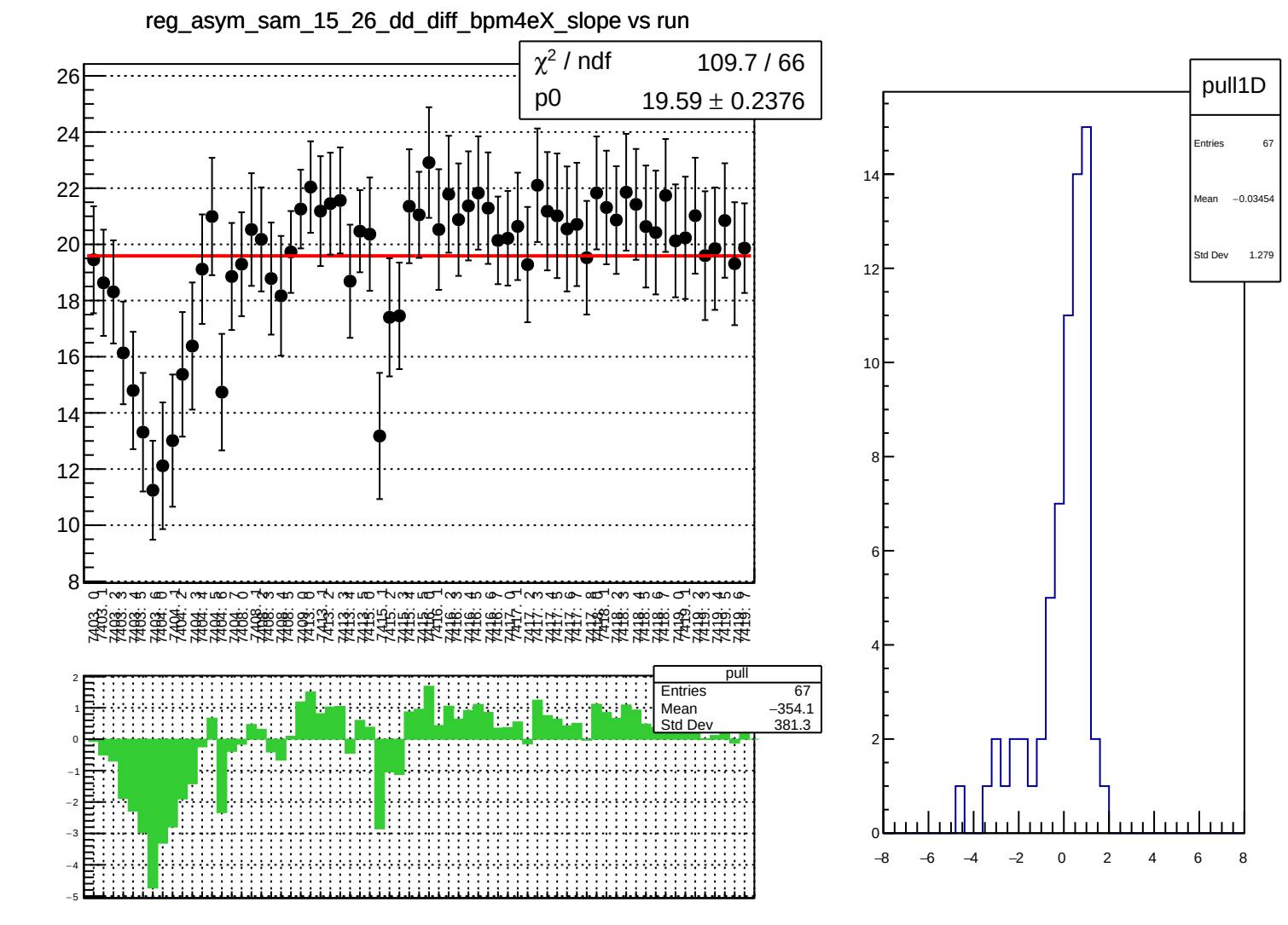

pull1D
Entries 67
Mean −0.03253
Std Dev 0.6615

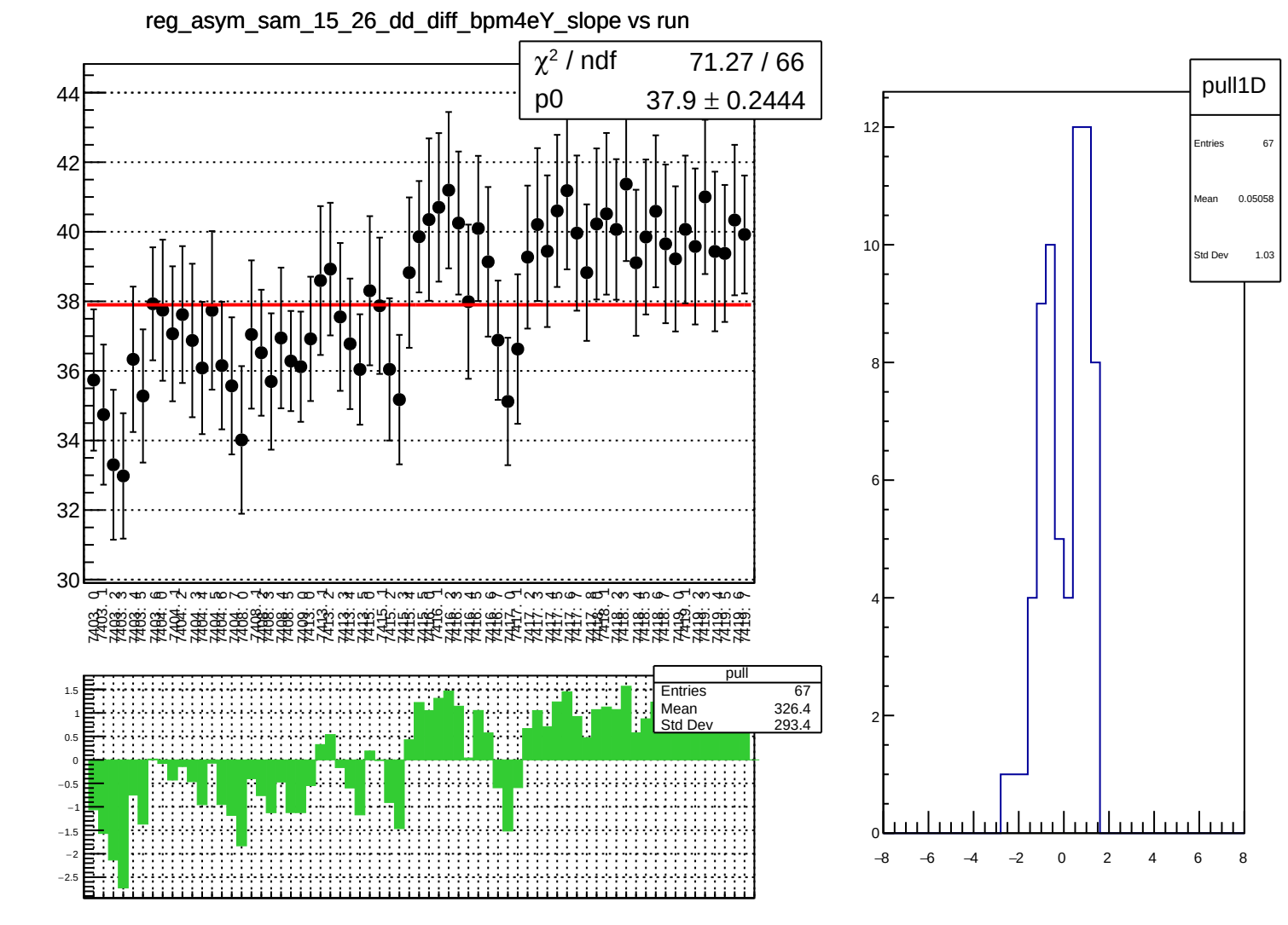

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 57.08 / 66
p0 −2.324 ± 0.2286
pull
Entries 67
Mean −28.97
Std Dev 22.83

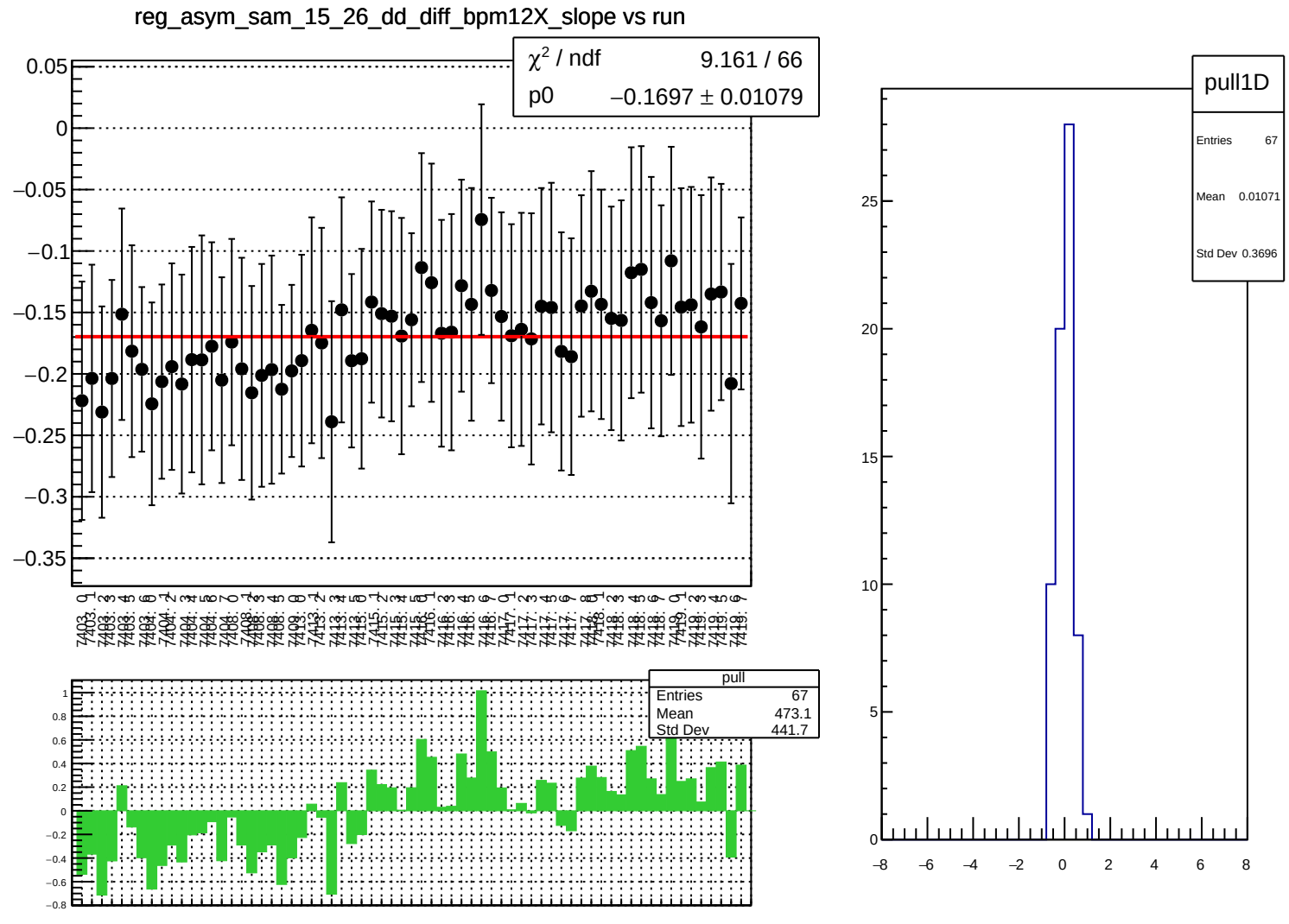

pull1D
Entries 67
Mean 0.04564
Std Dev 0.9219

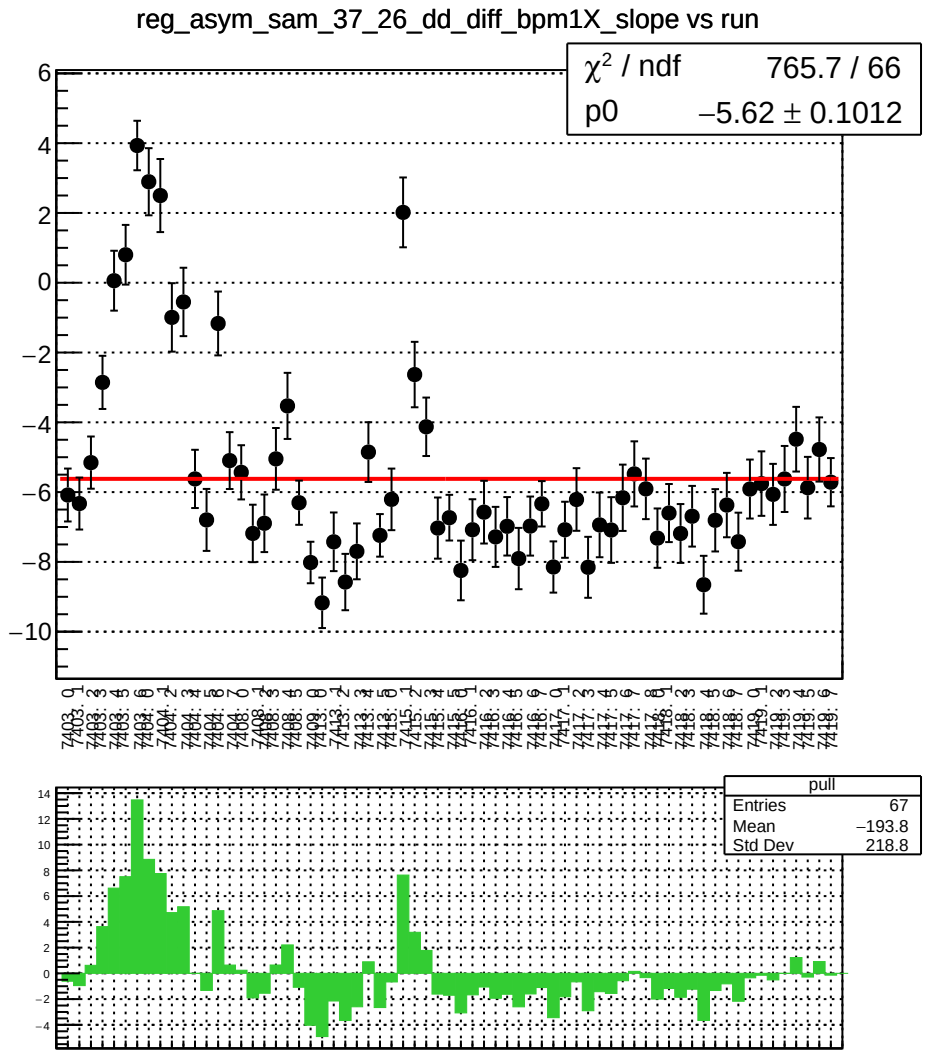

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.81 / 66
p0 −0.6271± 0.2308
pull
Entries 67
Mean 386.1
Std Dev 352.3

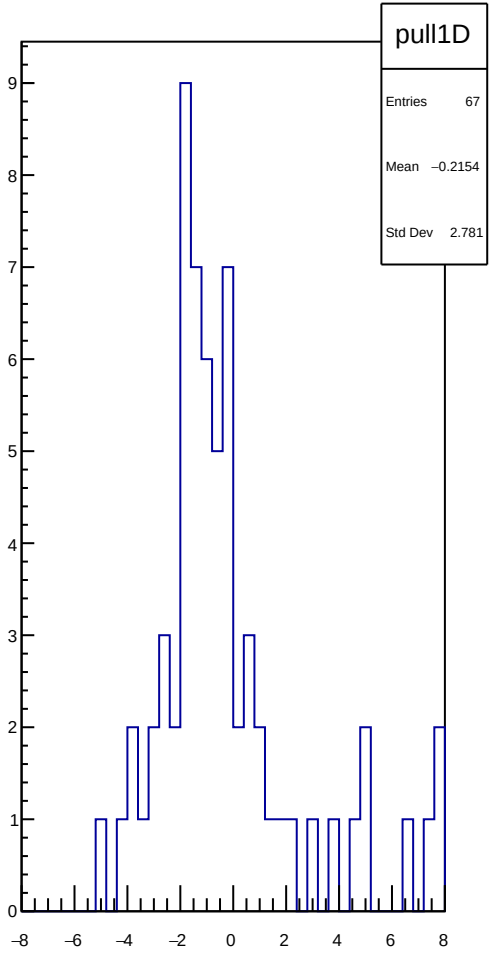

pull1D
Entries 67
Mean 0.01727
Std Dev 0.8176

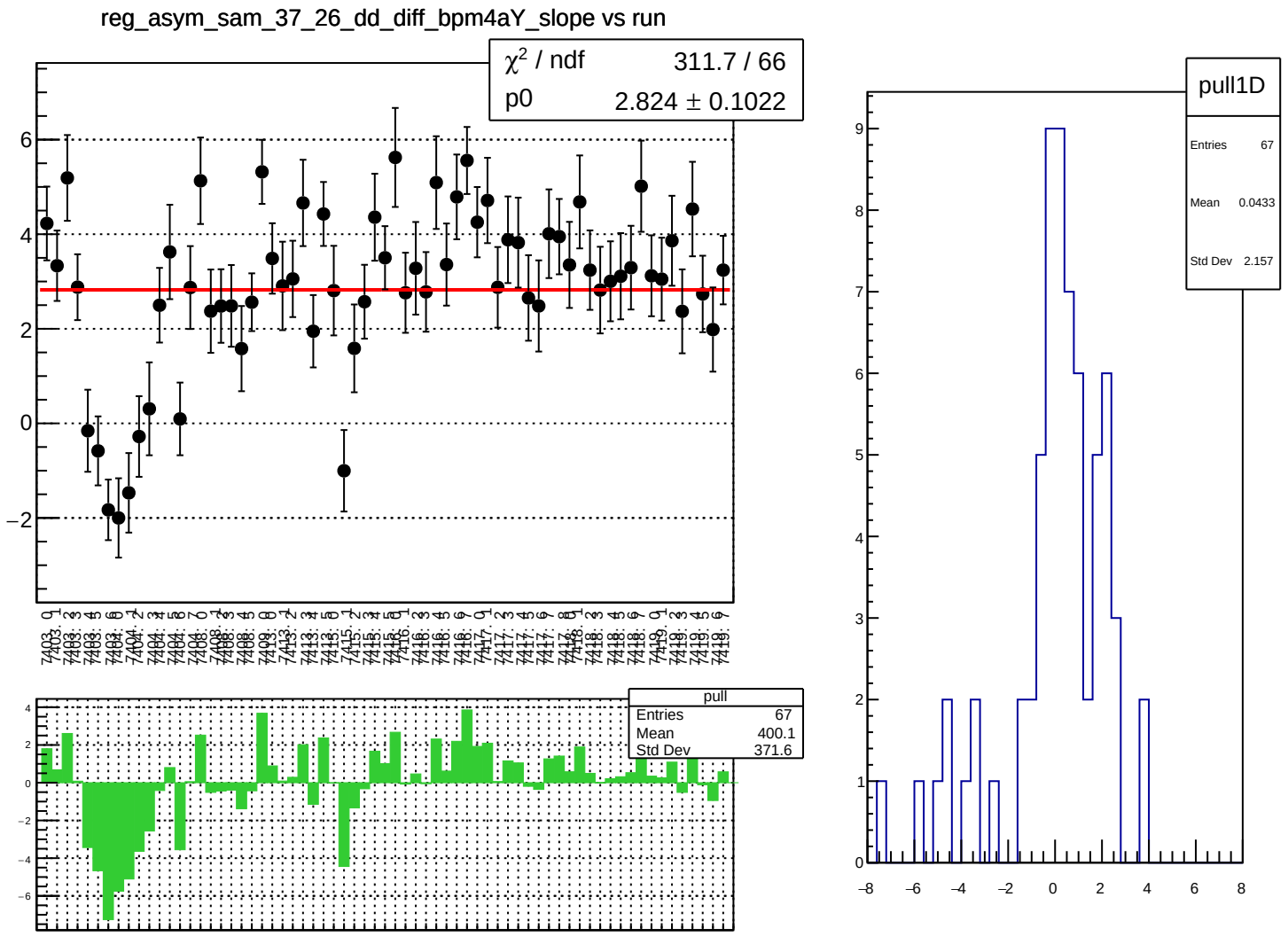

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 109.7 / 66
p0 19.59 ± 0.2376
pull
Entries 67
Mean −354.1
Std Dev 381.3
pull1D
Entries 67
Mean −0.03454
Std Dev 1.279

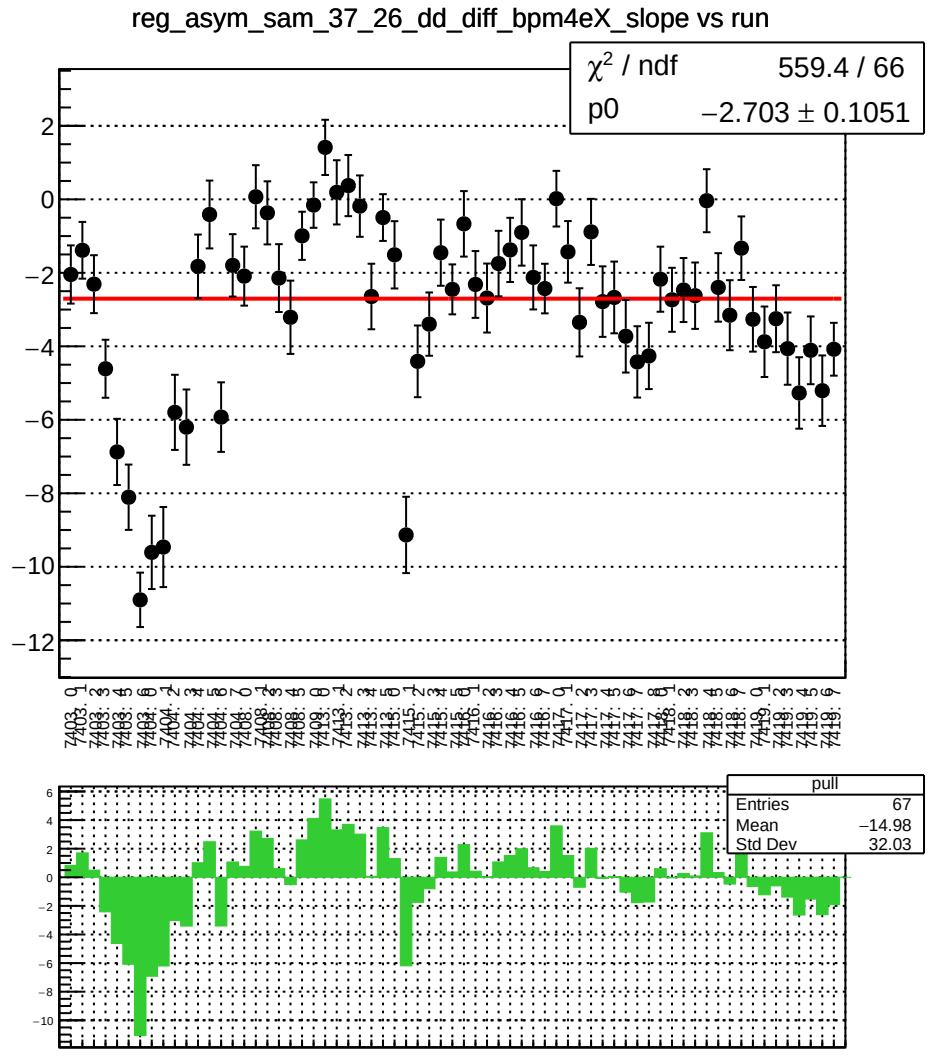

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.27 / 66
p0 37.9 ± 0.2444
pull
Entries 67
Mean 326.4
Std Dev 293.4
pull1D
Entries 67
Mean 0.05058
Std Dev 1.03

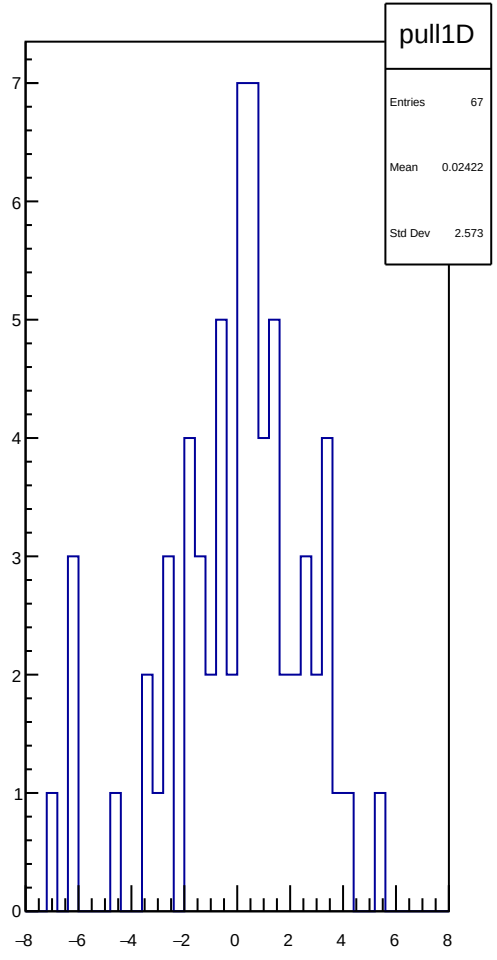

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 9.161 / 66
p0 −0.1697 ± 0.01079
pull
Entries 67
Mean 473.1
Std Dev 441.7
pull1D
Entries 67
Mean 0.01071
Std Dev 0.3696

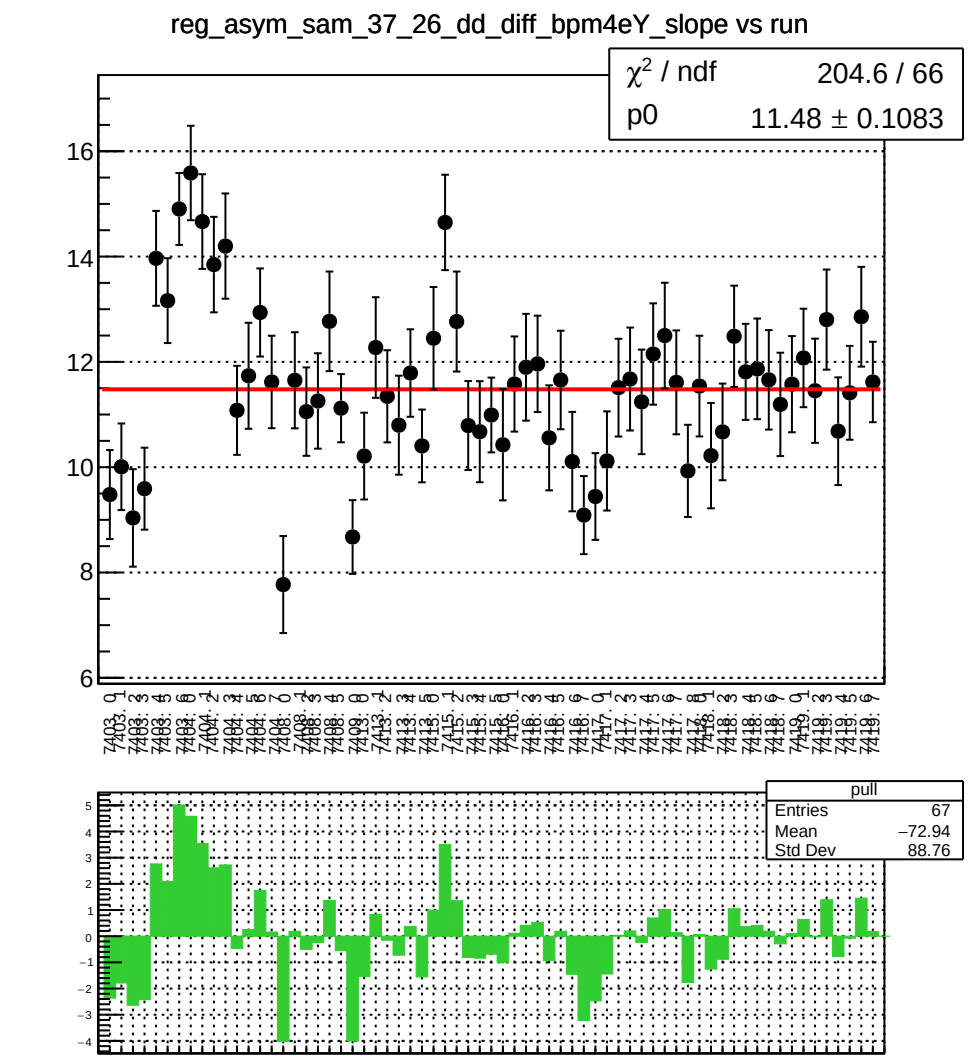

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 765.7 / 66
p0 −5.62 ± 0.1012
pull
Entries 67
Mean −193.8
Std Dev 218.8

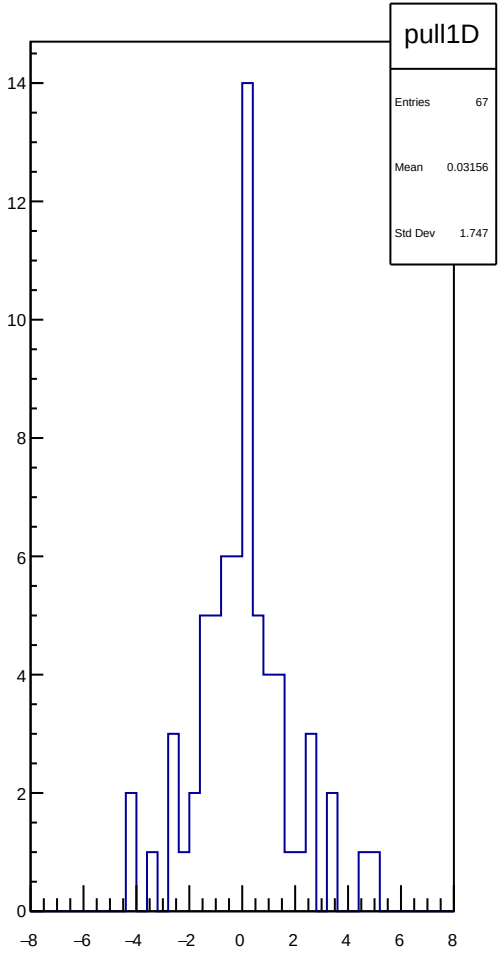

pull1D
Entries 67
Mean −0.2154
Std Dev 2.781

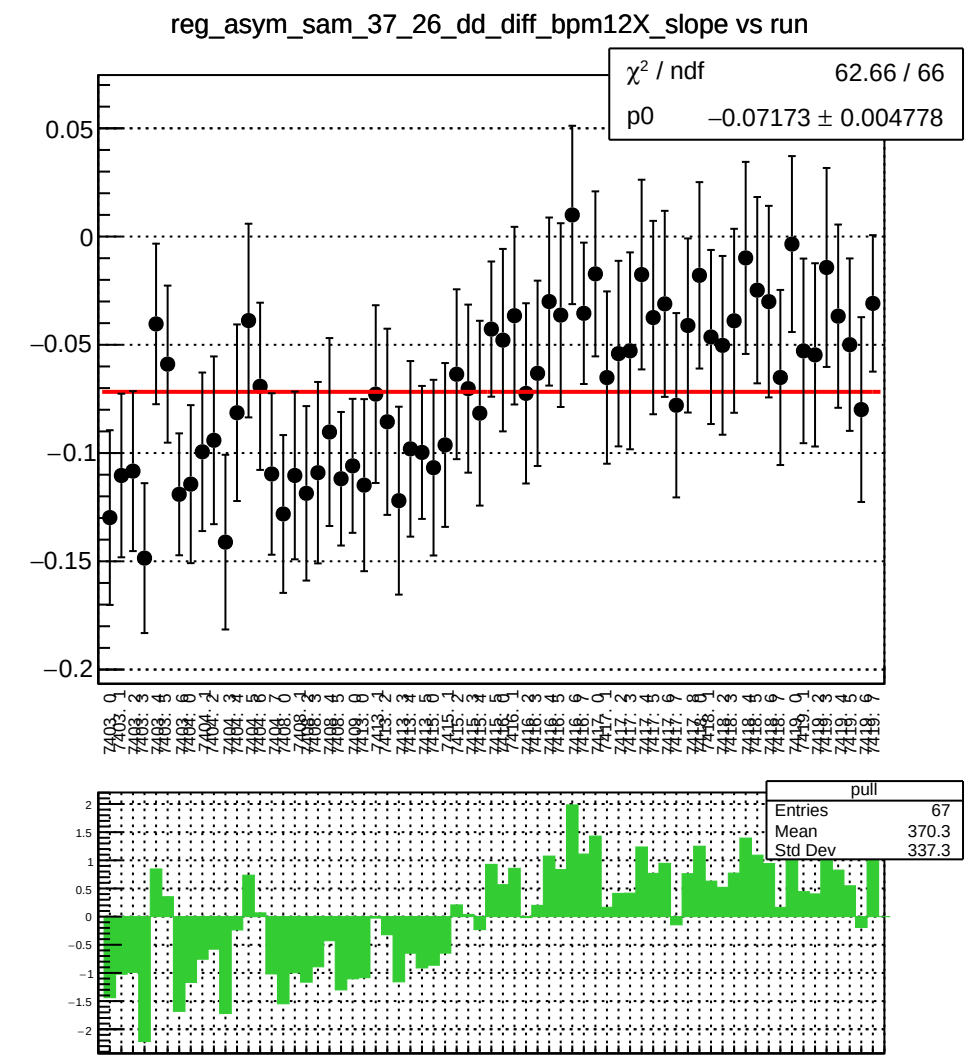

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 311.7 / 66
p0 2.824 ± 0.1022
pull
Entries 67
Mean 400.1
Std Dev 371.6
pull1D
Entries 67
Mean 0.0433
Std Dev 2.157

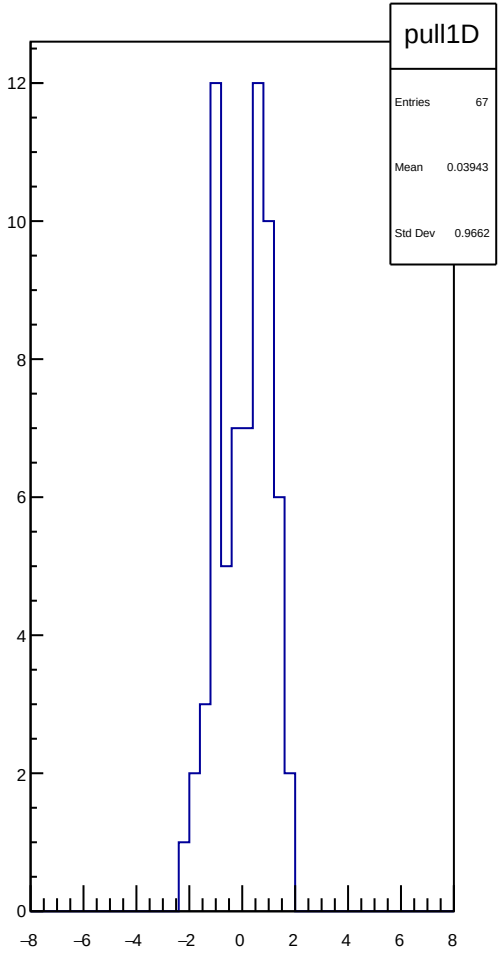

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 559.4 / 66
p0 −2.703 ± 0.1051
pull
Entries 67
Mean −14.98
Std Dev 32.03

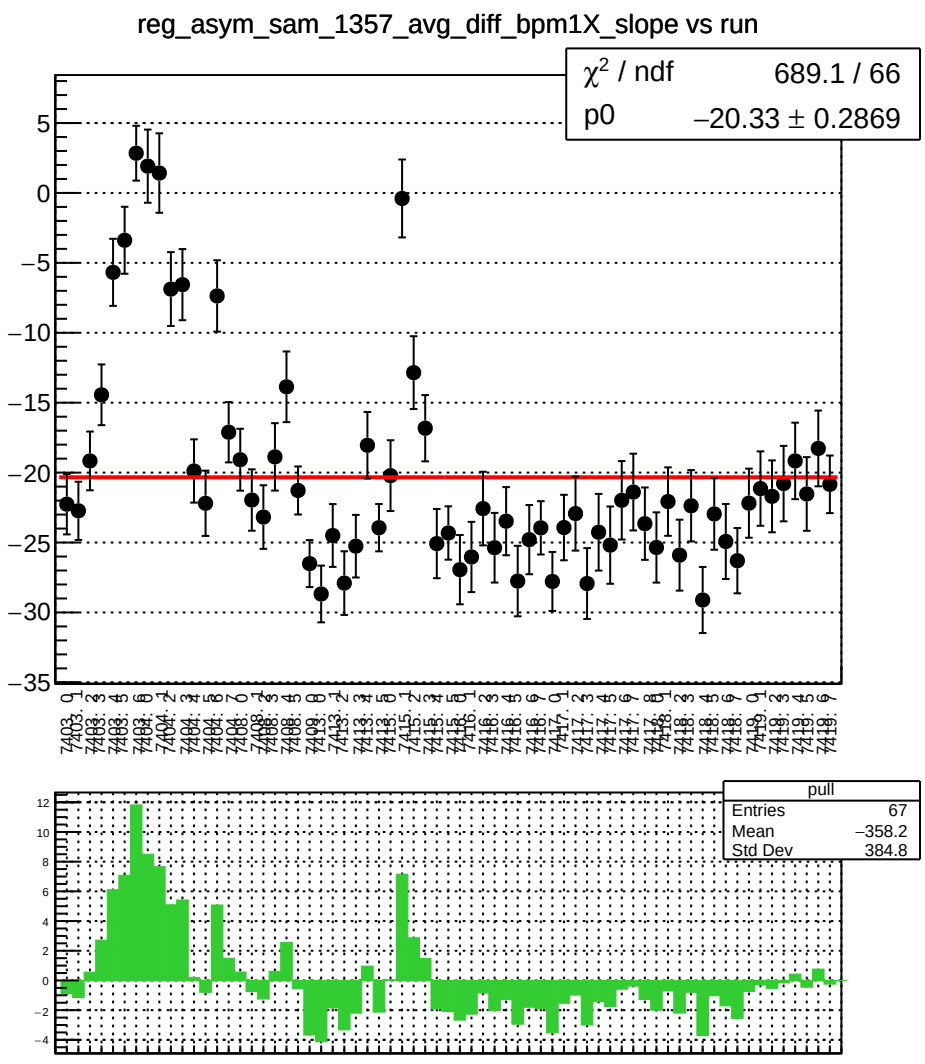

pull1D
Entries 67
Mean 0.02422
Std Dev 2.573

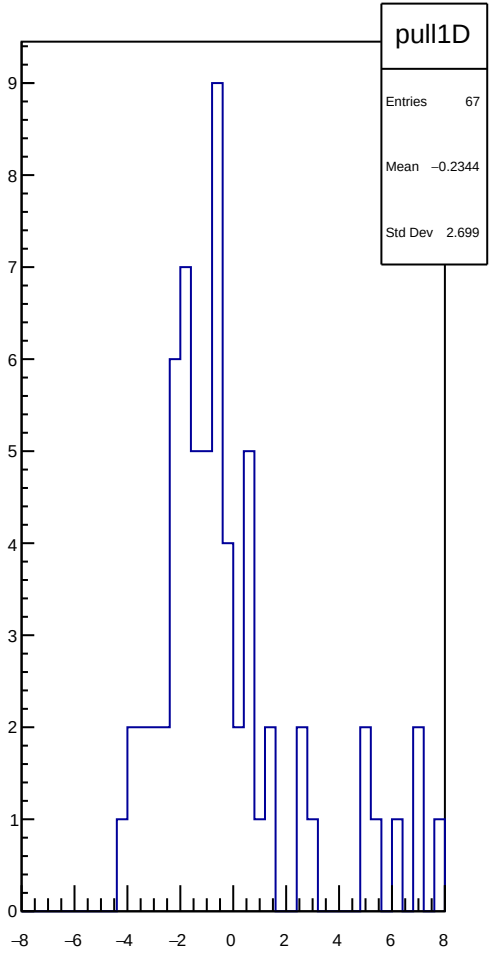

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 204.6 / 66
p0 11.48 ± 0.1083
pull
Entries 67
Mean −72.94
Std Dev 88.76

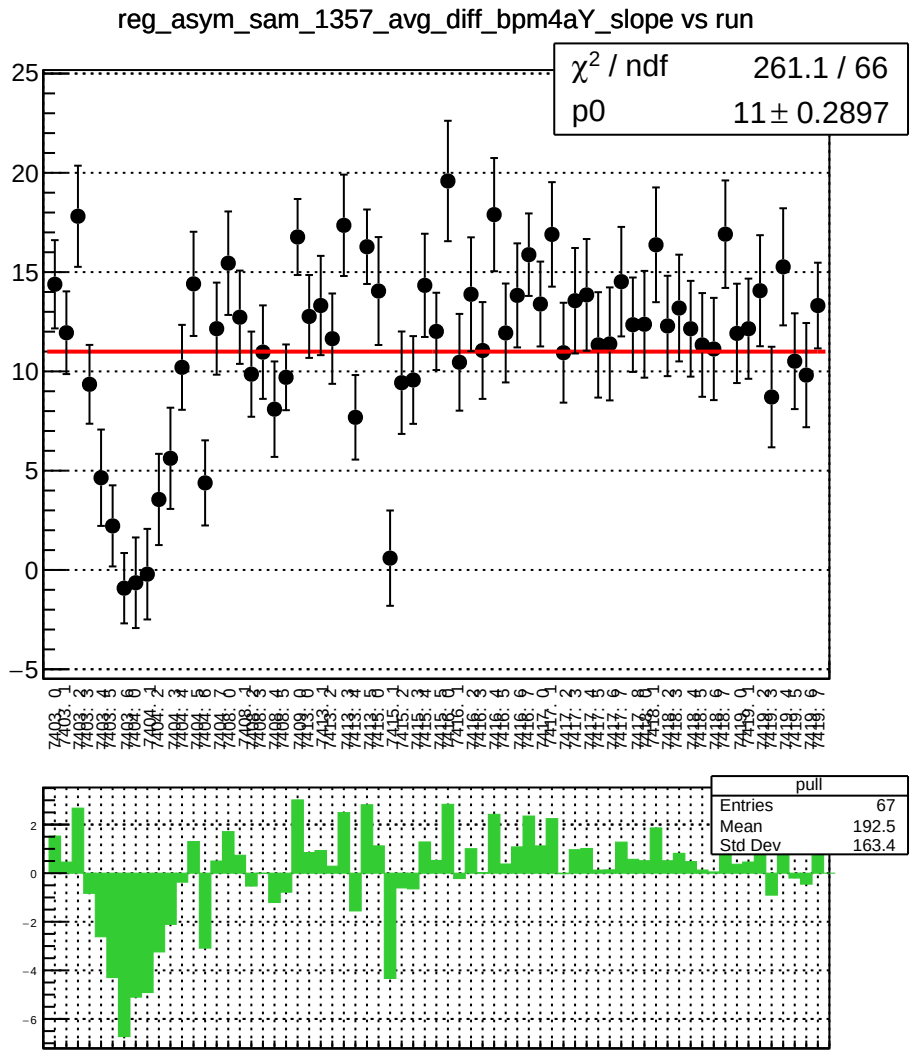

pull1D
Entries 67
Mean 0.03156
Std Dev 1.747

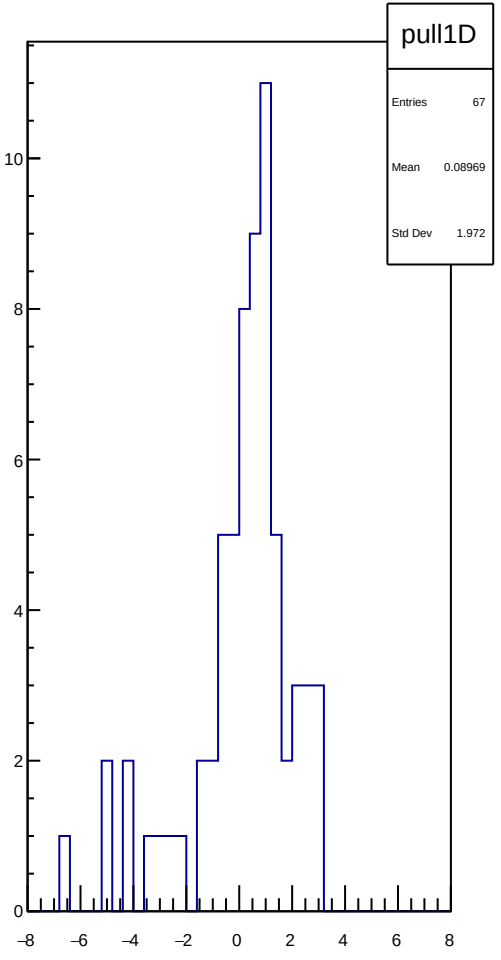

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 62.66 / 66
p0 −0.07173 ± 0.004778
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 67
Mean 370.3
Std Dev 337.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

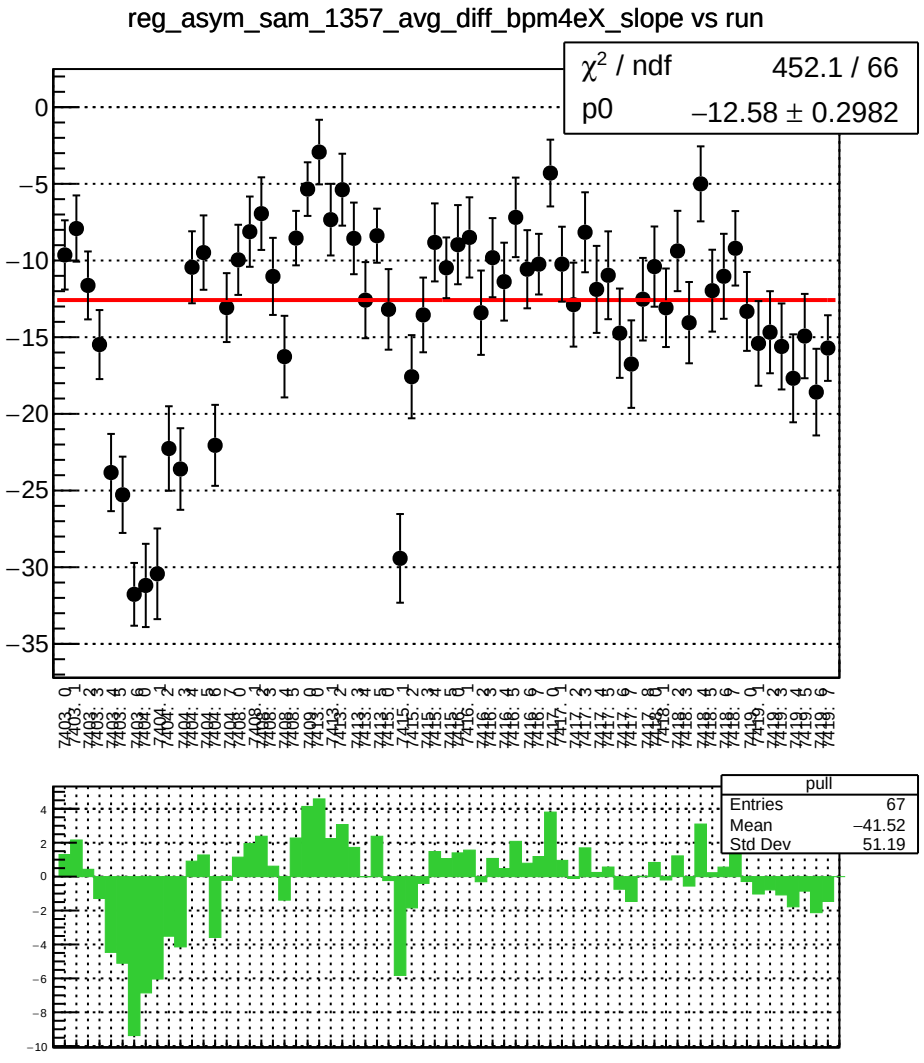

pull1D
Entries 67
Mean 0.03943
Std Dev 0.9662
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

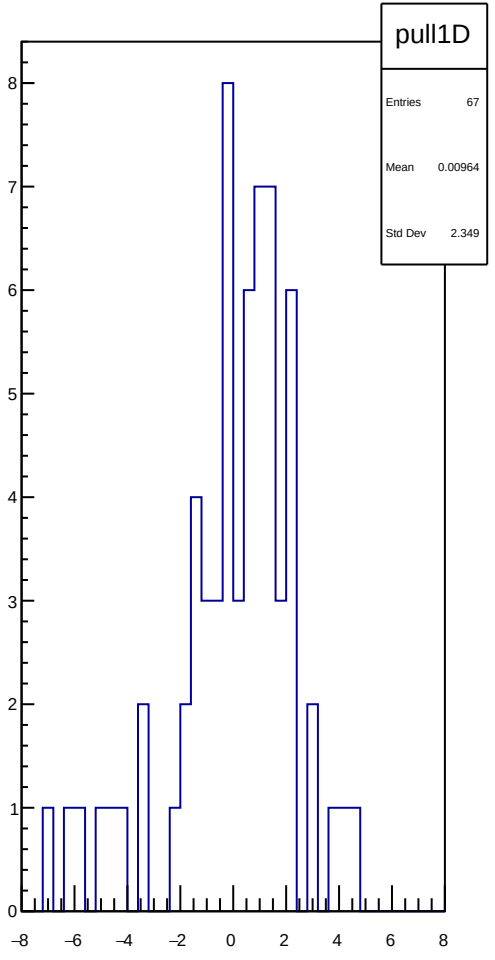

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 689.1 / 66
p0 −20.33 ± 0.2869
pull
Entries 67
Mean −358.2
Std Dev 384.8

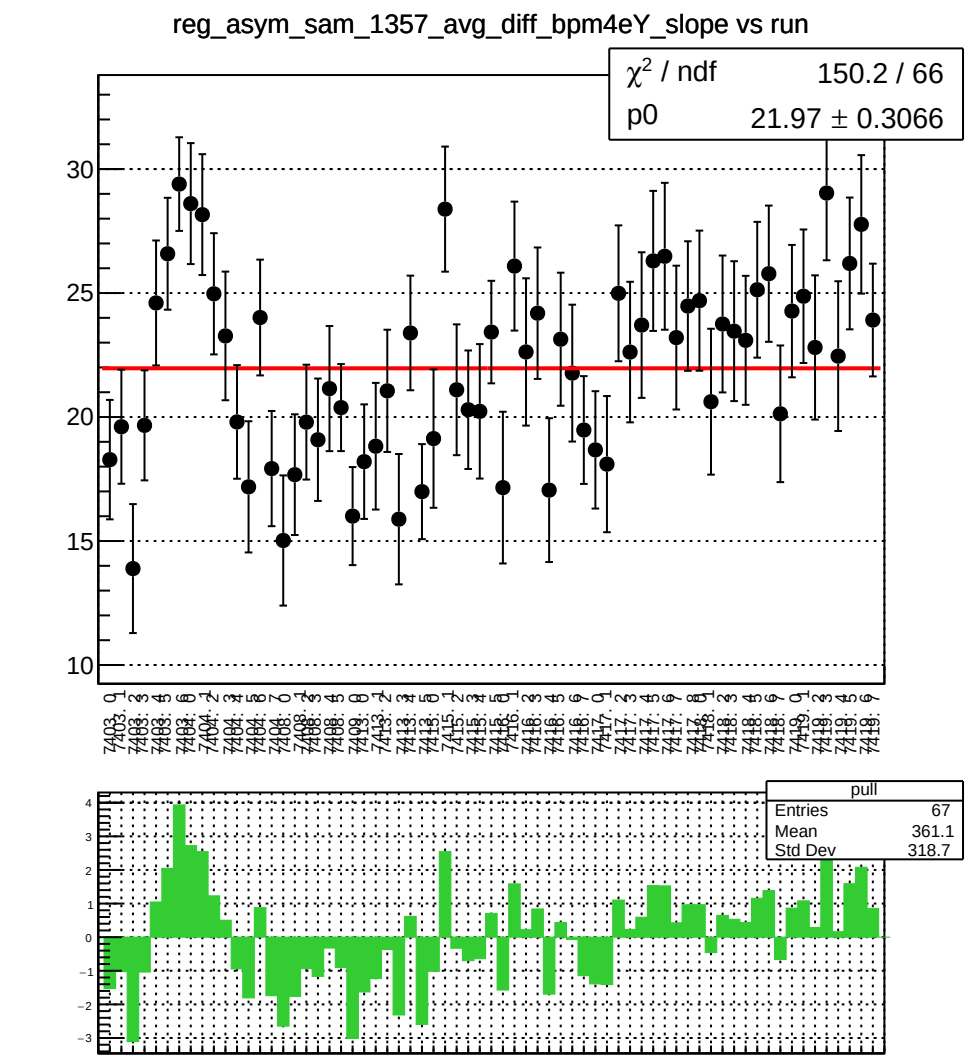

pull1D
Entries 67
Mean −0.2344
Std Dev 2.699

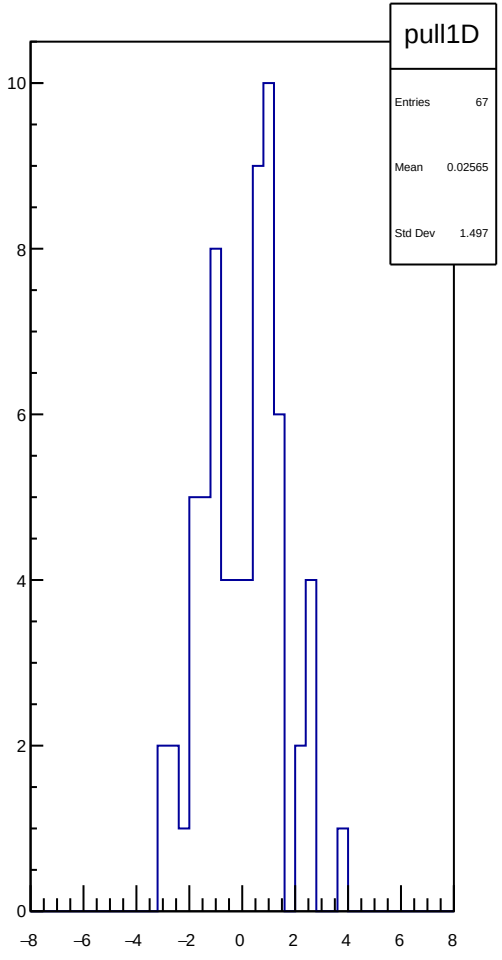

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 261.1 / 66
p0 11 ± 0.2897
pull
Entries 67
Mean 192.5
Std Dev 163.4

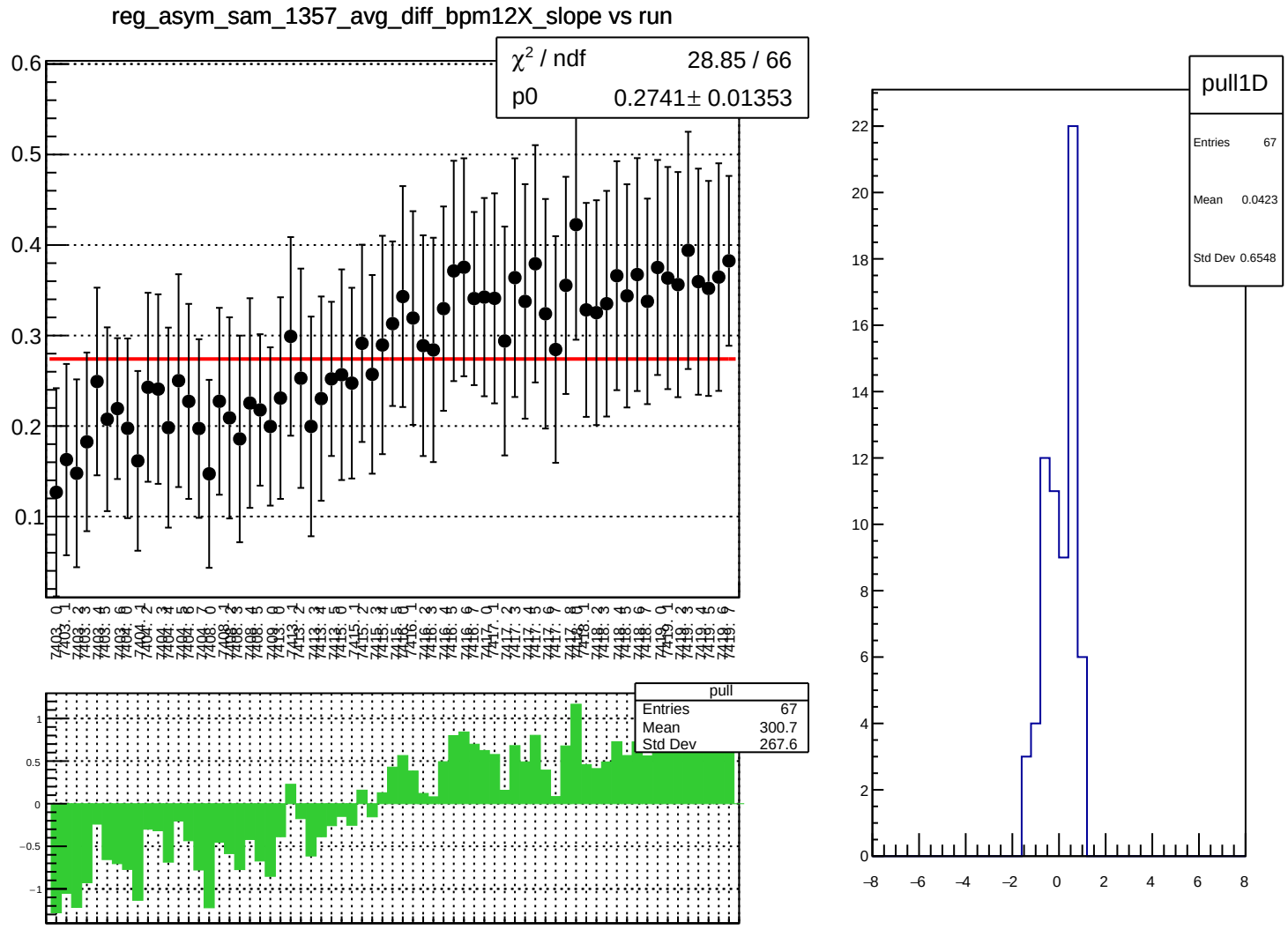

pull1D
Entries 67
Mean 0.08969
Std Dev 1.972

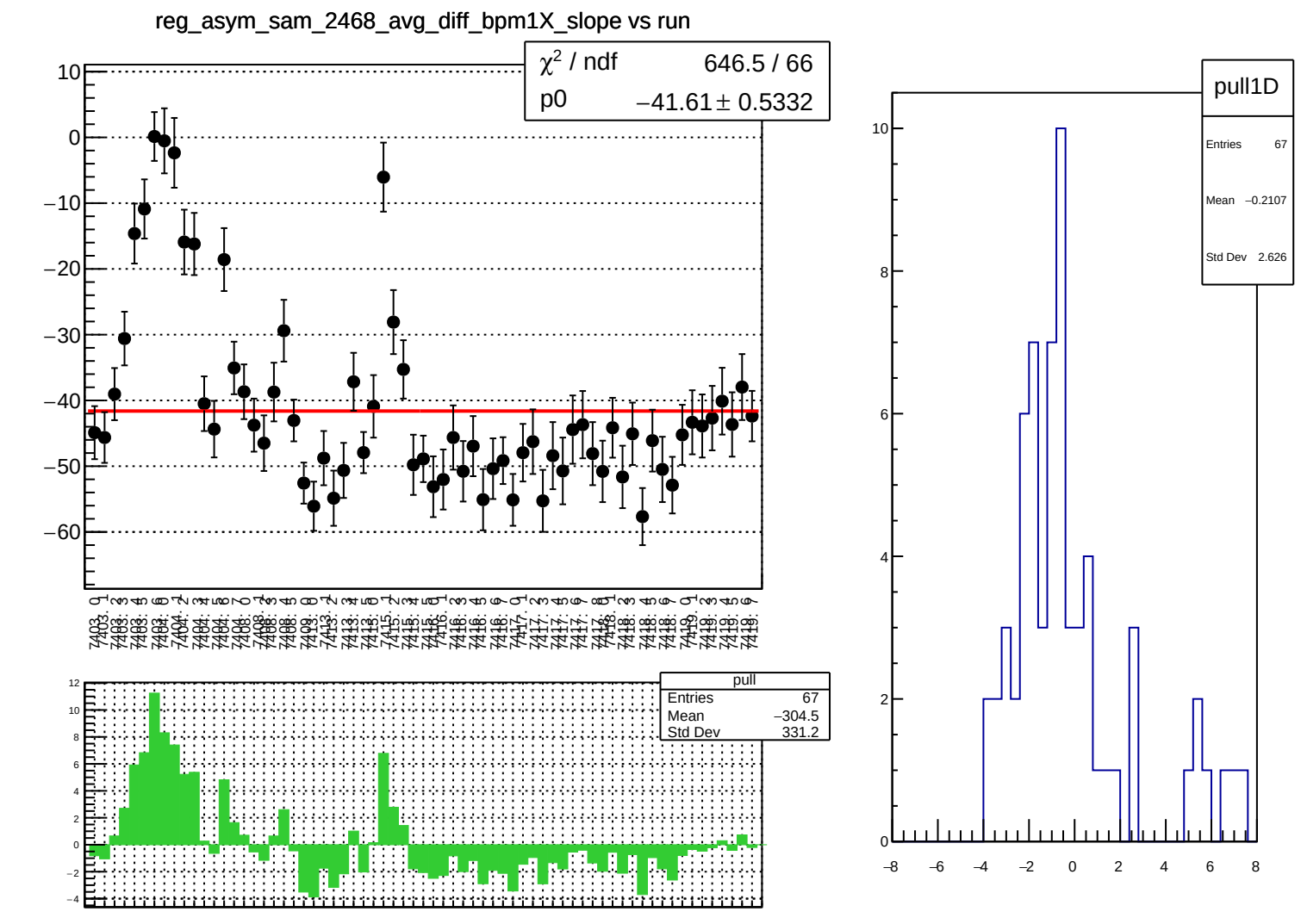

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 452.1 / 66
p0 −12.58 ± 0.2982
pull
Entries 67
Mean −41.52
Std Dev 51.19

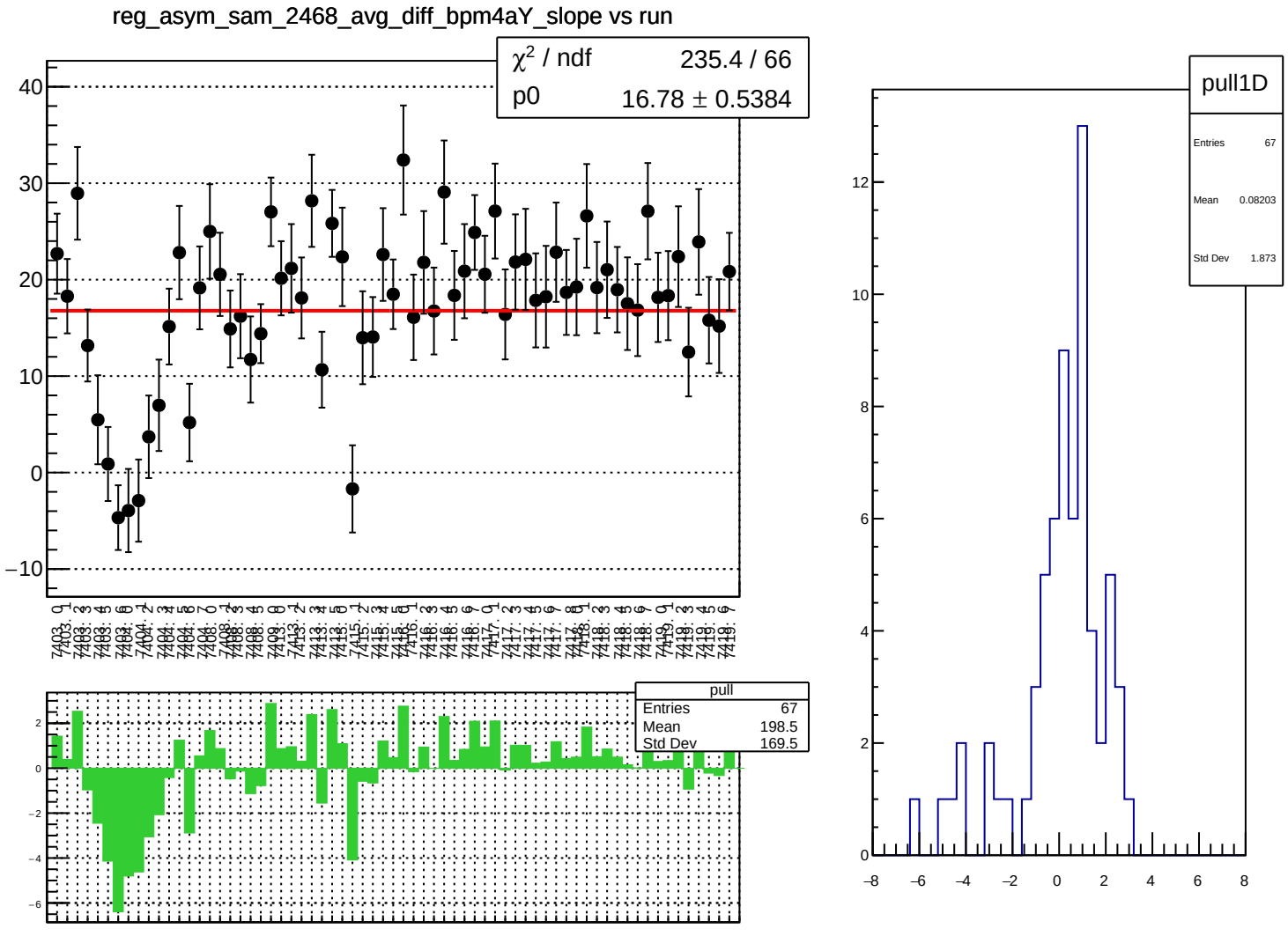

pull1D
Entries 67
Mean 0.00964
Std Dev 2.349

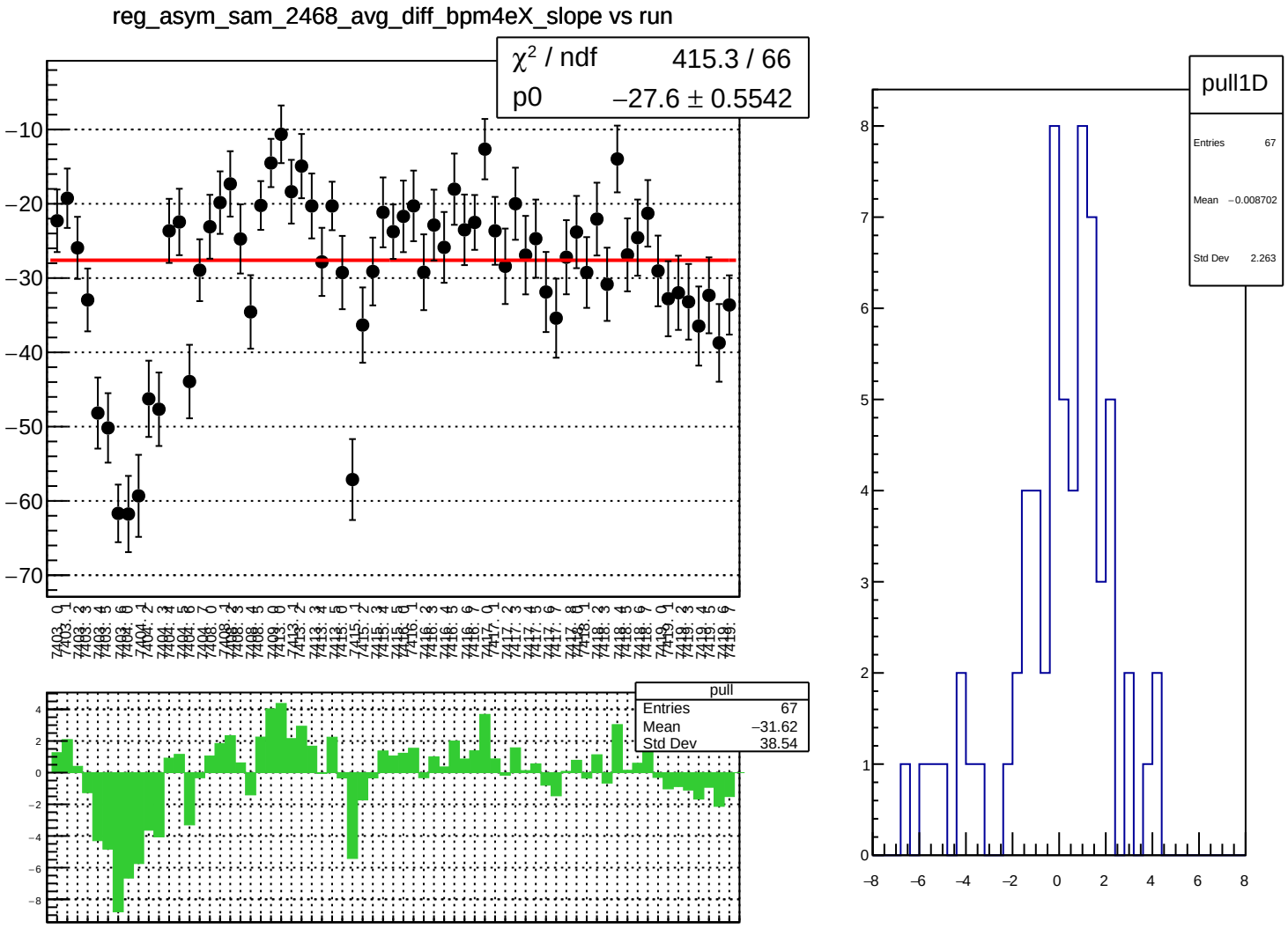

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 150.2 / 66
p0 21.97 ± 0.3066
pull
Entries 67
Mean 361.1
Std Dev 318.7

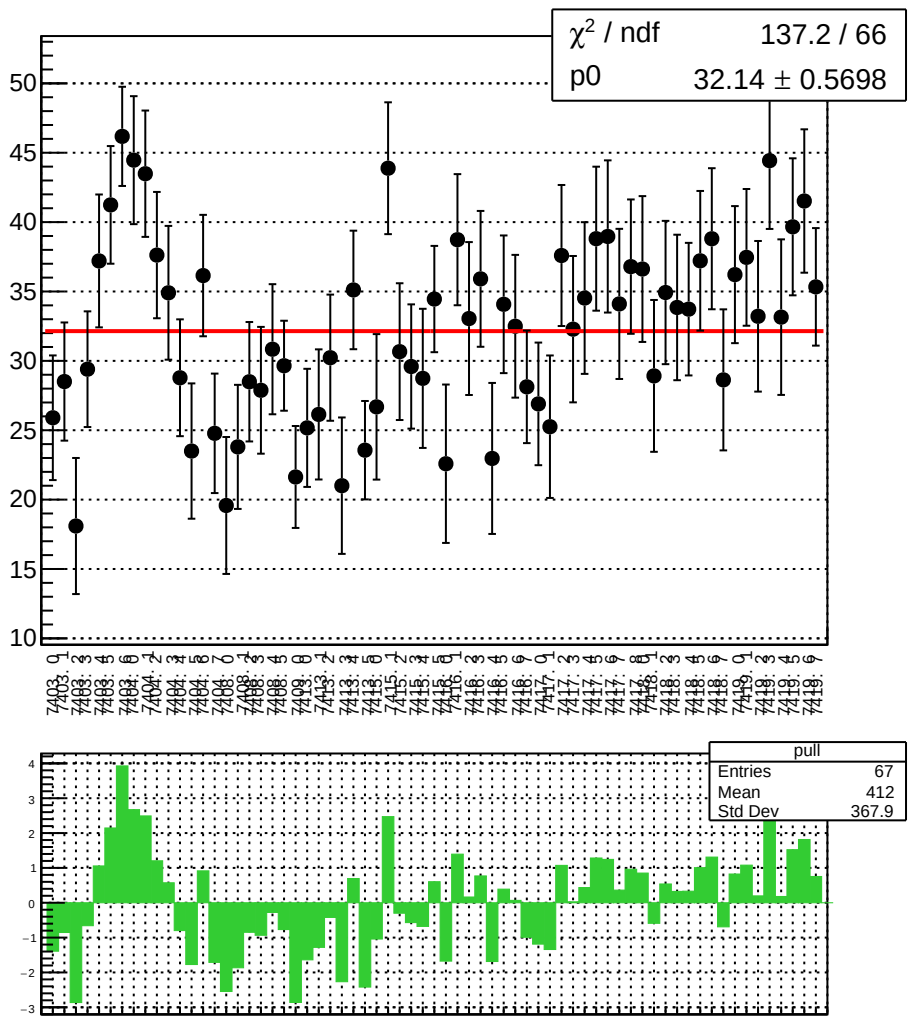

pull1D
Entries 67
Mean 0.02565
Std Dev 1.497

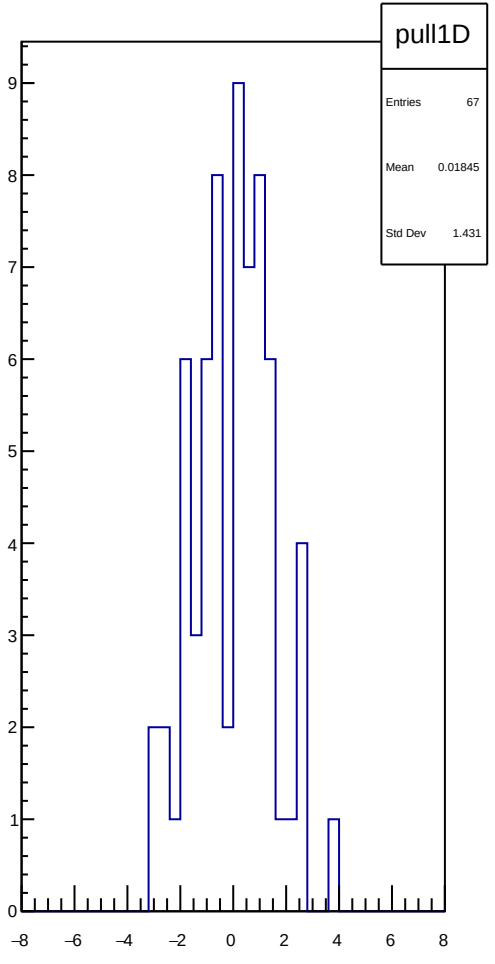

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 28.85 / 66
p0 0.2741± 0.01353
pull
Entries 67
Mean 300.7
Std Dev 267.6
pull1D
Entries 67
Mean 0.0423
Std Dev 0.6548

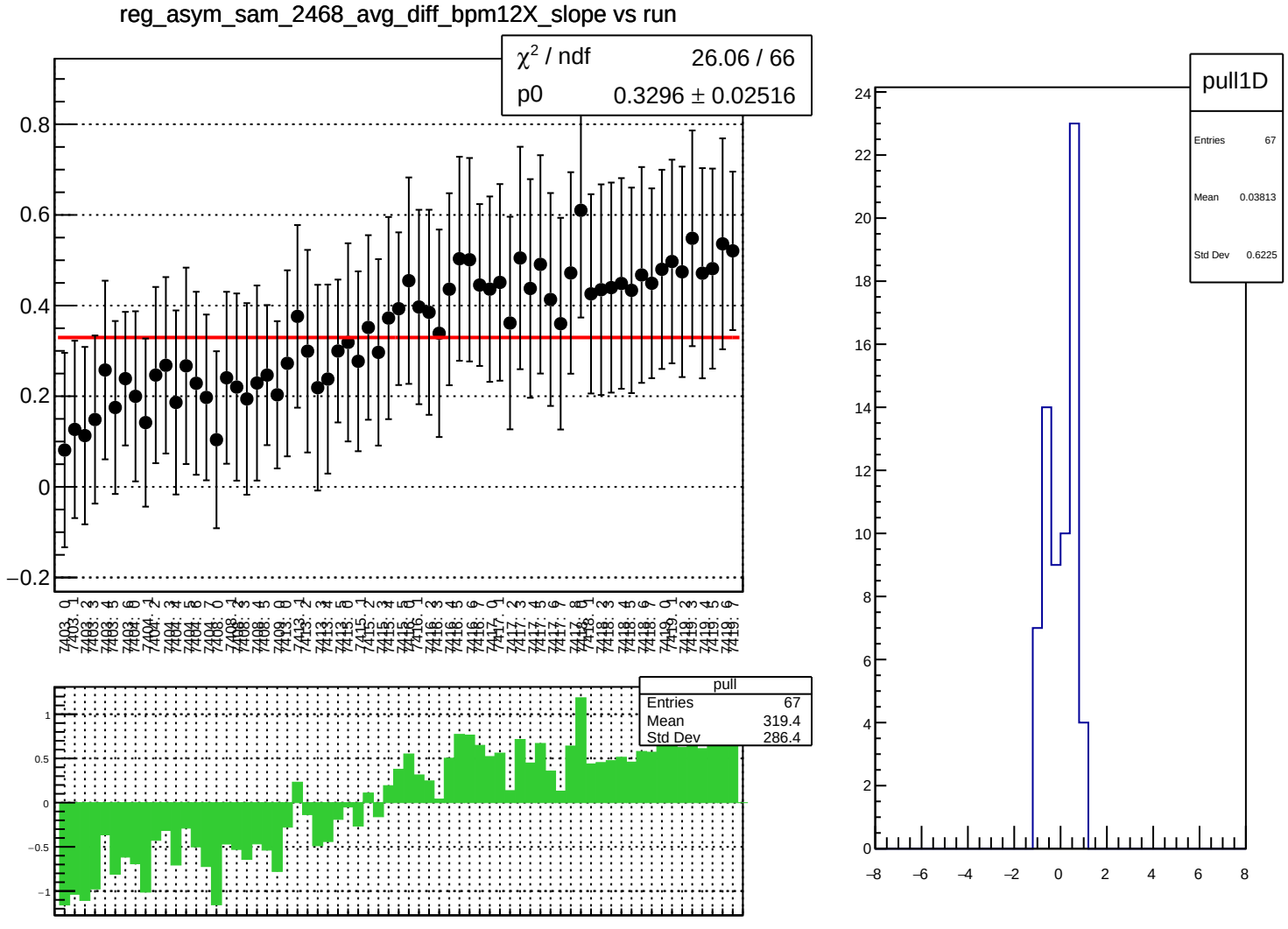

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 646.5 / 66
p0 −41.61 ± 0.5332
pull
Entries 67
Mean −304.5
Std Dev 331.2
pull1D
Entries 67
Mean −0.2107
Std Dev 2.626

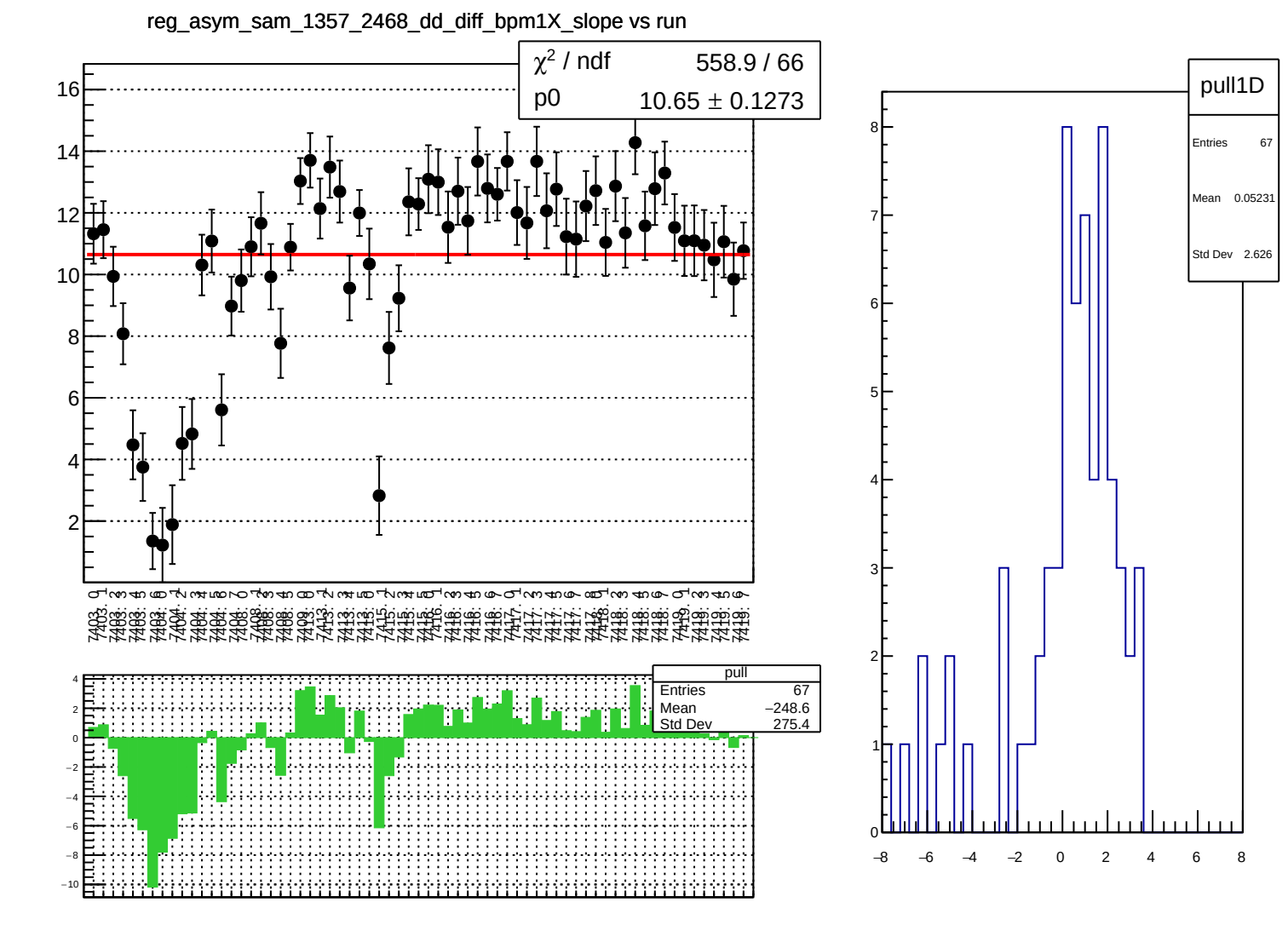

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 235.4 / 66
p0 16.78 ± 0.5384
pull
Entries 67
Mean 198.5
Std Dev 169.5
pull1D
Entries 67
Mean 0.08203
Std Dev 1.873

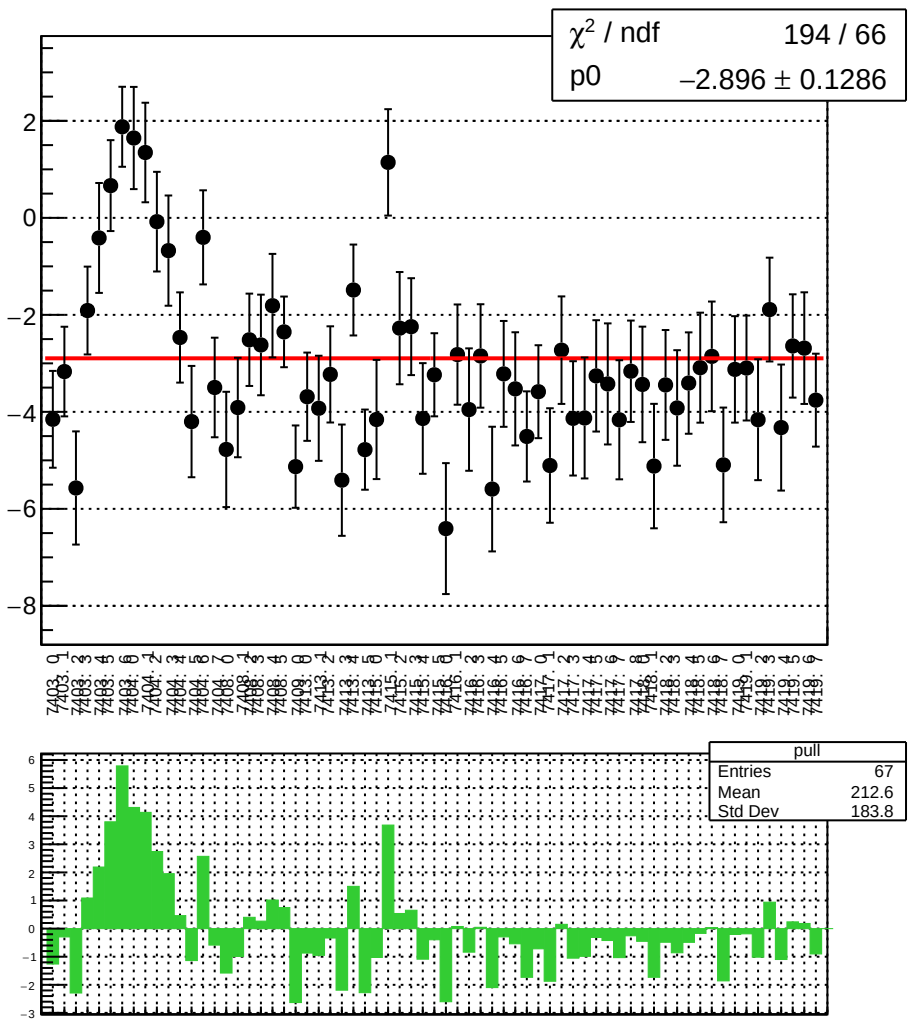

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 415.3 / 66
p0 −27.6 ± 0.5542
pull
Entries 67
Mean −31.62
Std Dev 38.54
pull1D
Entries 67
Mean −0.008702
Std Dev 2.263

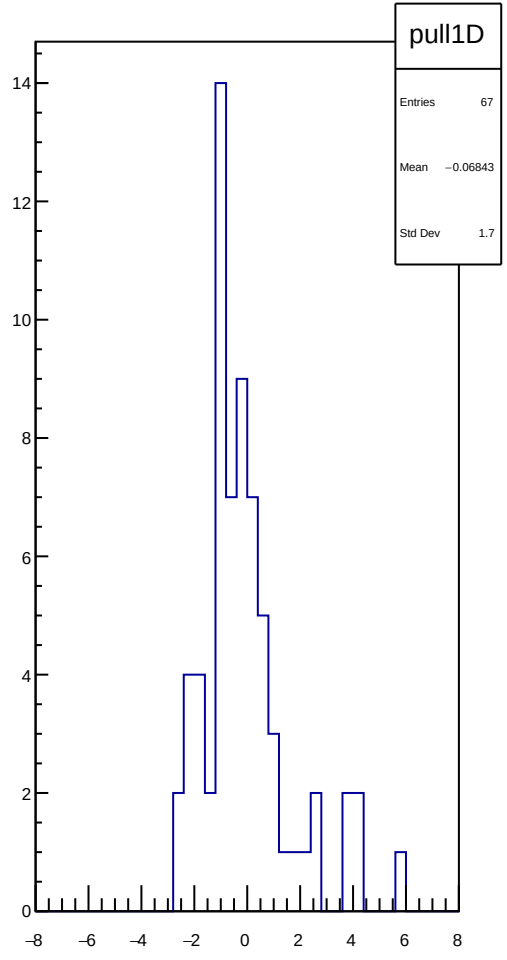

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 137.2 / 66
p0 32.14 ± 0.5698
pull
Entries 67
Mean 412
Std Dev 367.9

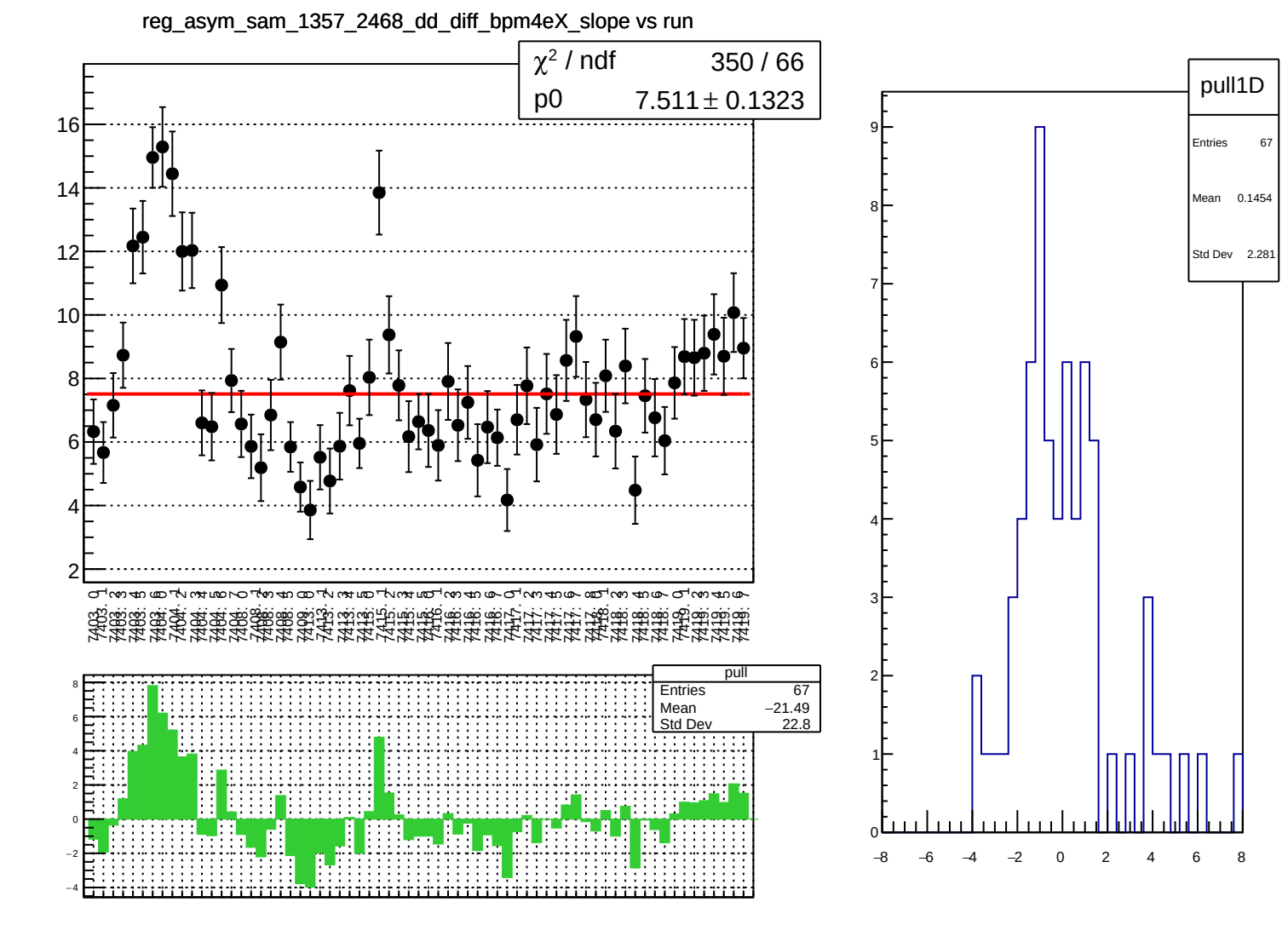

pull1D
Entries 67
Mean 0.01845
Std Dev 1.431

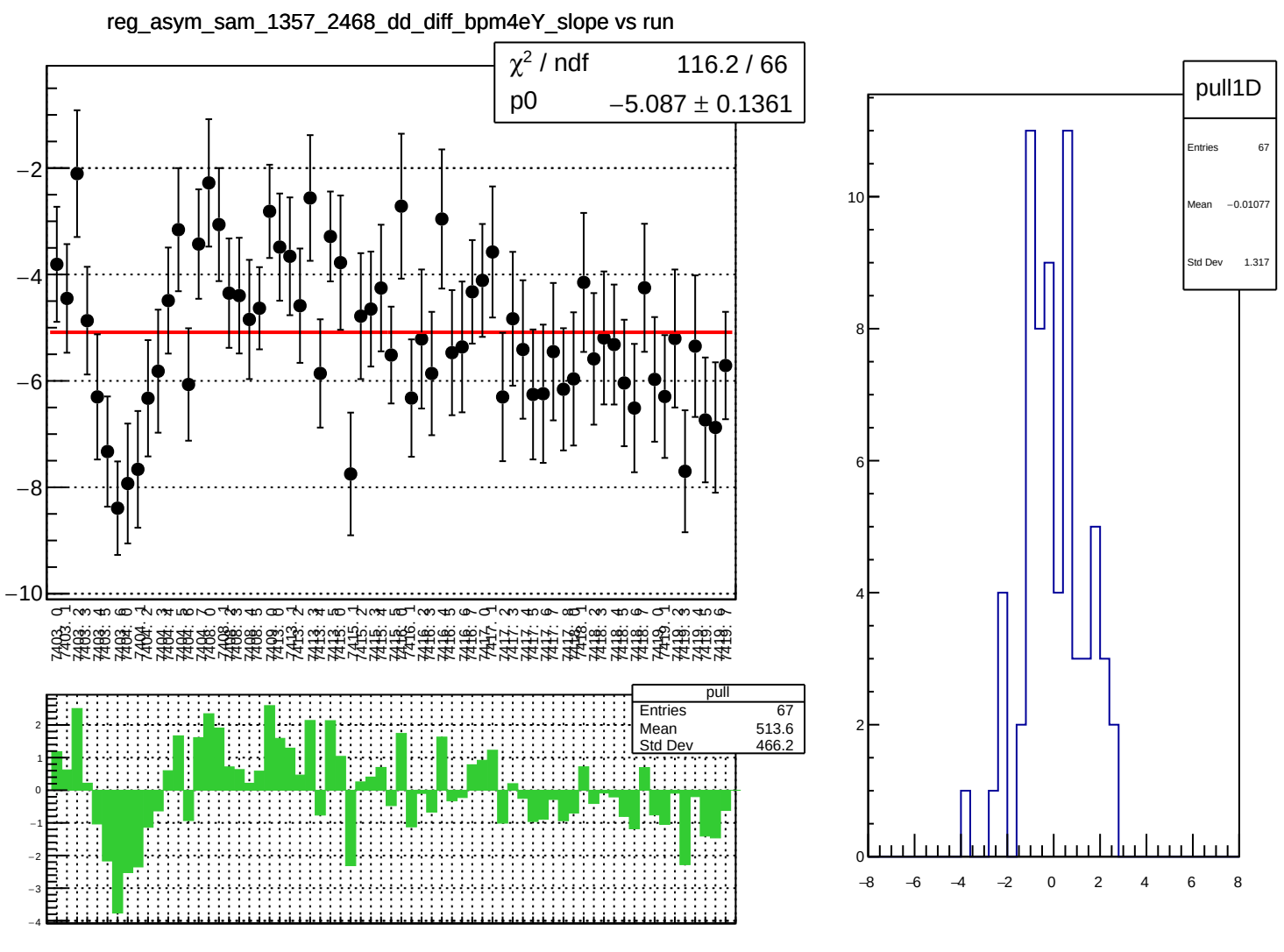

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 26.06 / 66
p0 0.3296 ± 0.02516
pull
Entries 67
Mean 319.4
Std Dev 286.4
pull1D
Entries 67
Mean 0.03813
Std Dev 0.6225

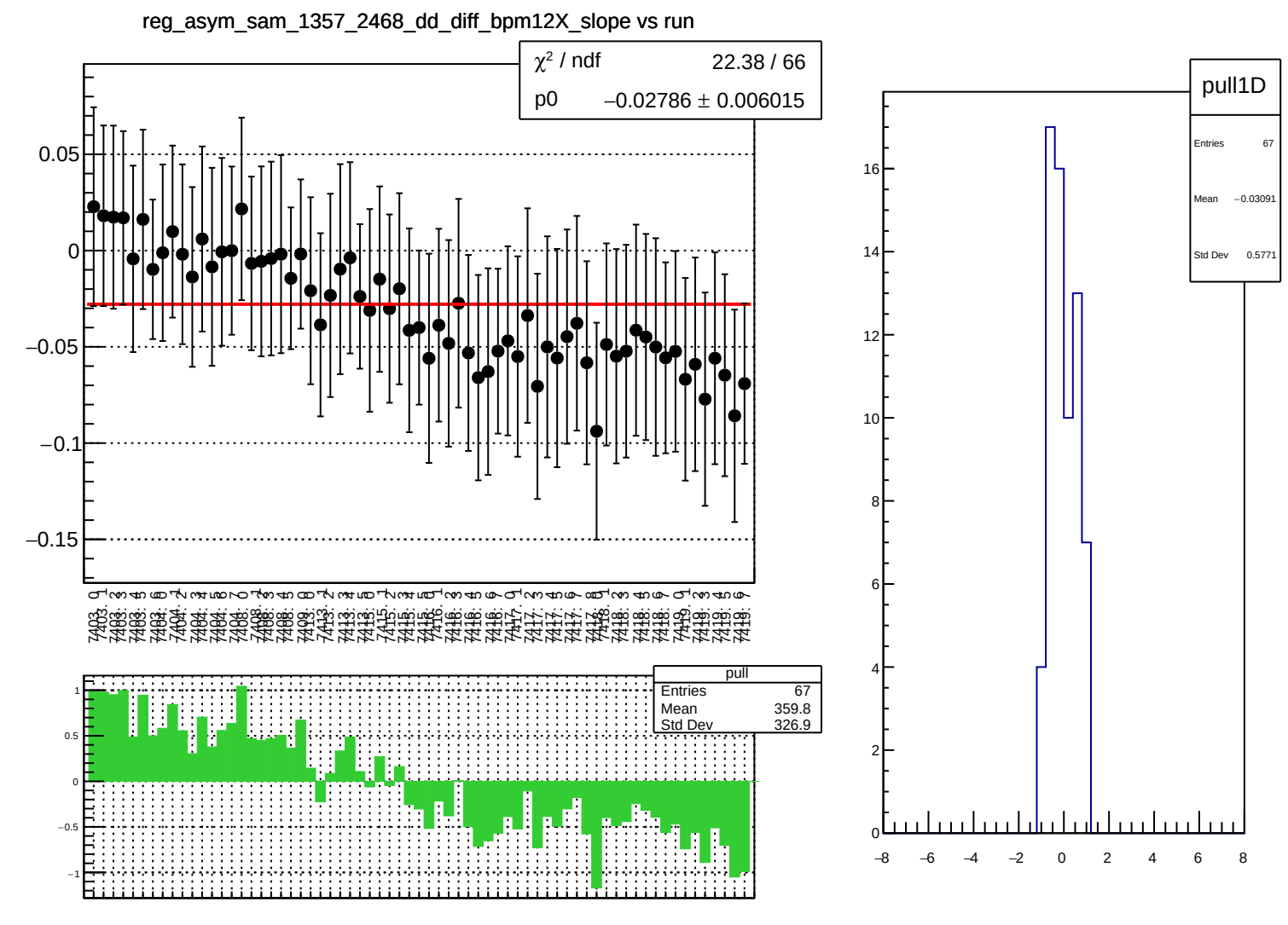

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 558.9 / 66
p0 10.65 ± 0.1273
pull
Entries 67
Mean −248.6
Std Dev 275.4
pull1D
Entries 67
Mean 0.05231
Std Dev 2.626

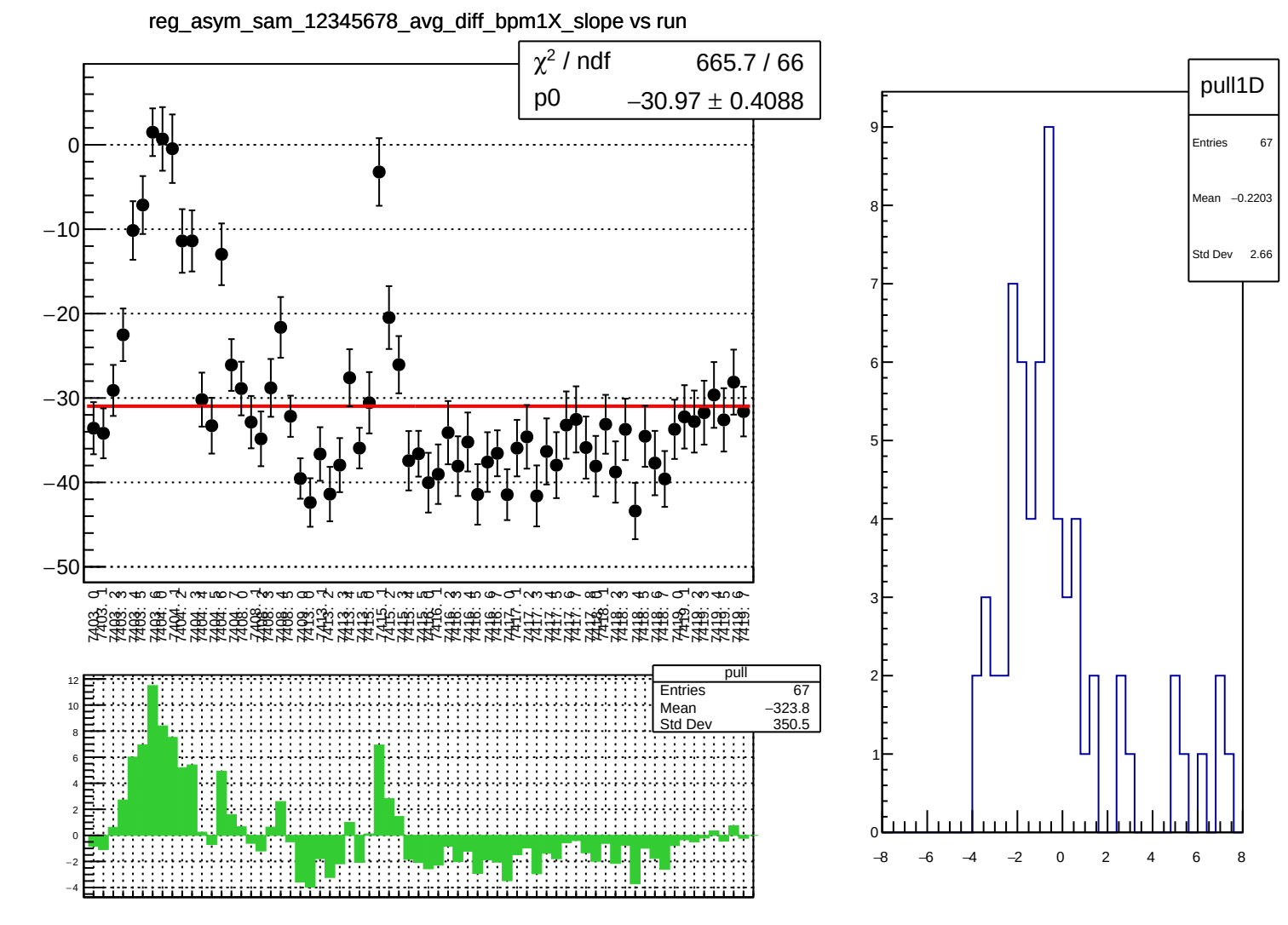

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 194 / 66
p0 −2.896 ± 0.1286
pull
Entries 67
Mean 212.6
Std Dev 183.8

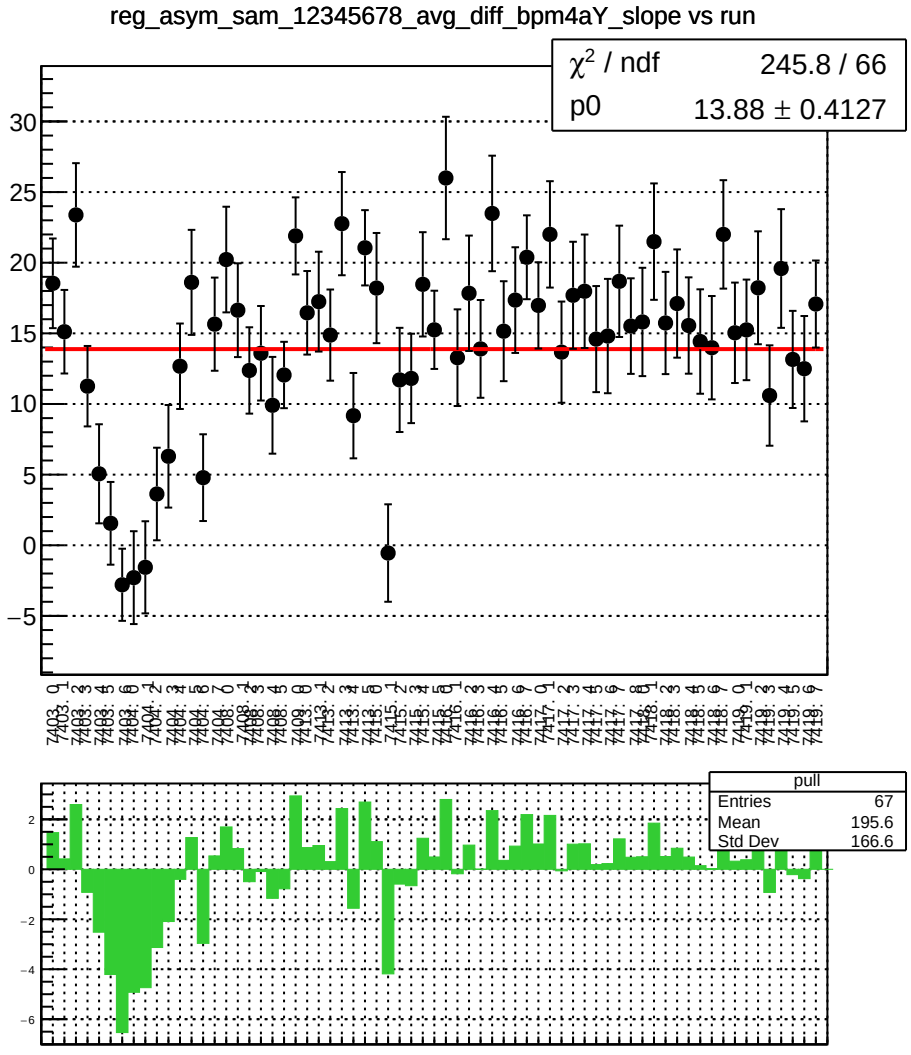

pull1D
Entries 67
Mean −0.06843
Std Dev 1.7

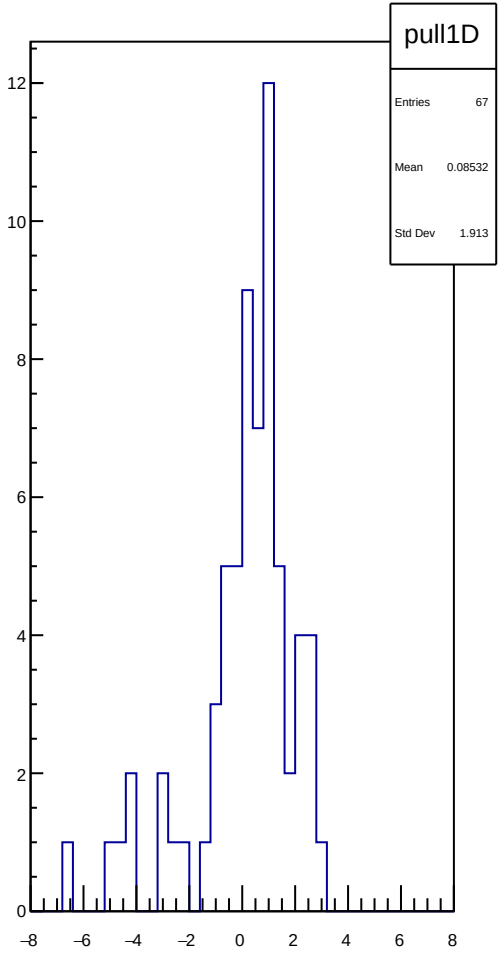

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 350 / 66
p0 7.511 ± 0.1323
pull
Entries 67
Mean −21.49
Std Dev 22.8
pull1D
Entries 67
Mean 0.1454
Std Dev 2.281

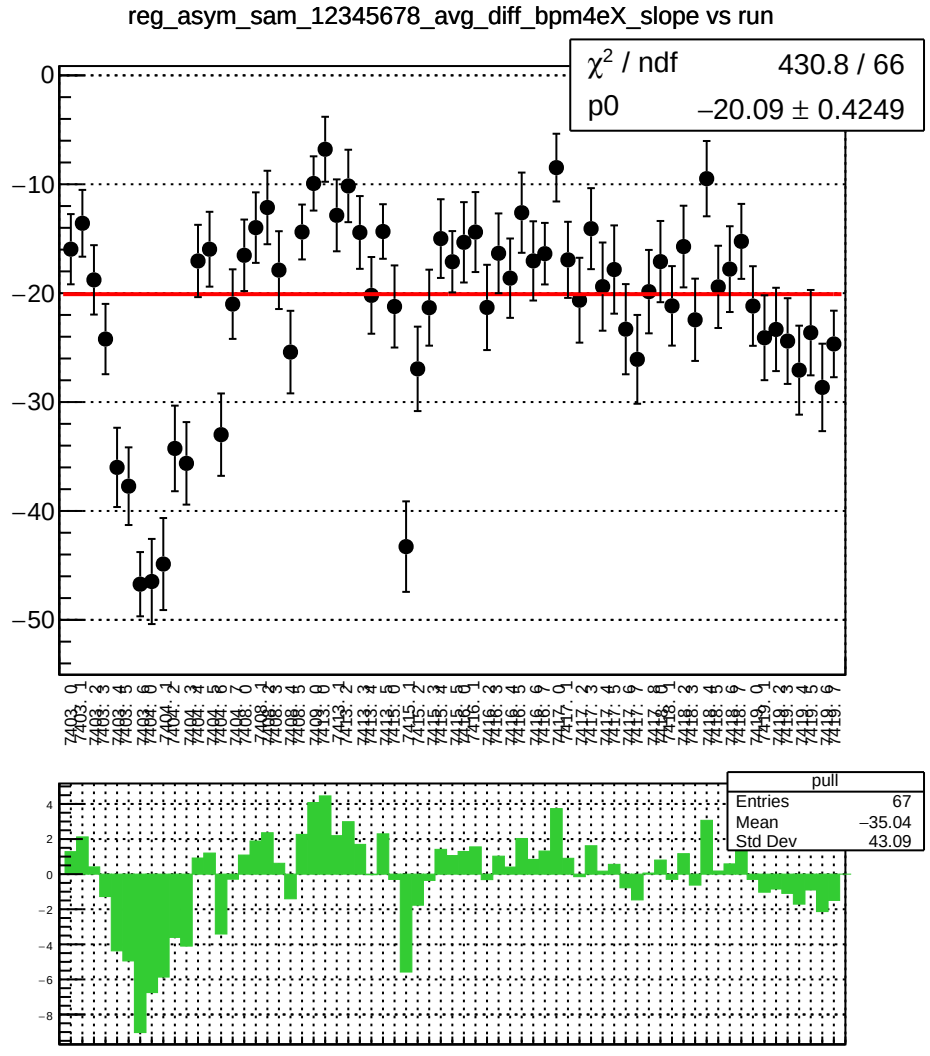

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 116.2 / 66
p0 −5.087 ± 0.1361
pull
Entries 67
Mean 513.6
Std Dev 466.2
pull1D
Entries 67
Mean −0.01077
Std Dev 1.317

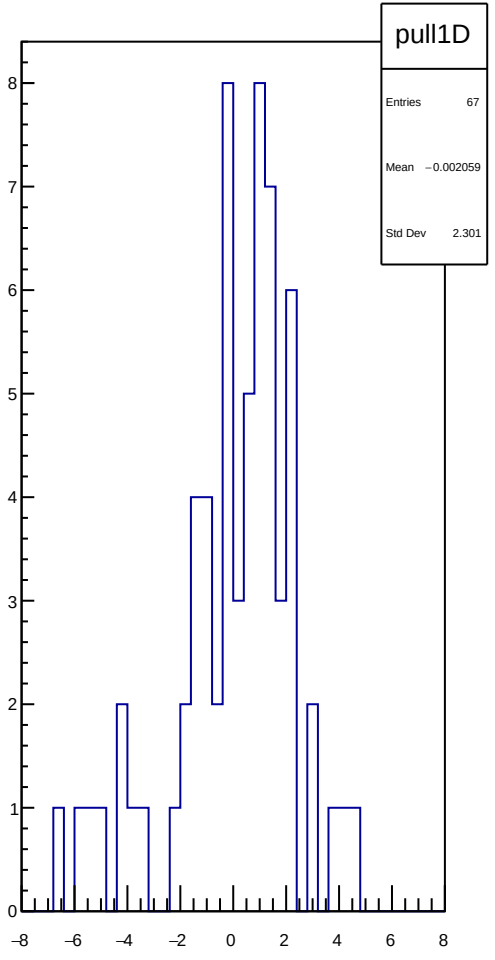

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 22.38 / 66
p0 −0.02786 ± 0.006015
0.05
0
−0.05
−0.1
−0.15
pull
Entries 67
Mean 359.8
Std Dev 326.9
1
0.5
0
−0.5
−1
pull1D
Entries 67
Mean −0.03091
Std Dev 0.5771
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

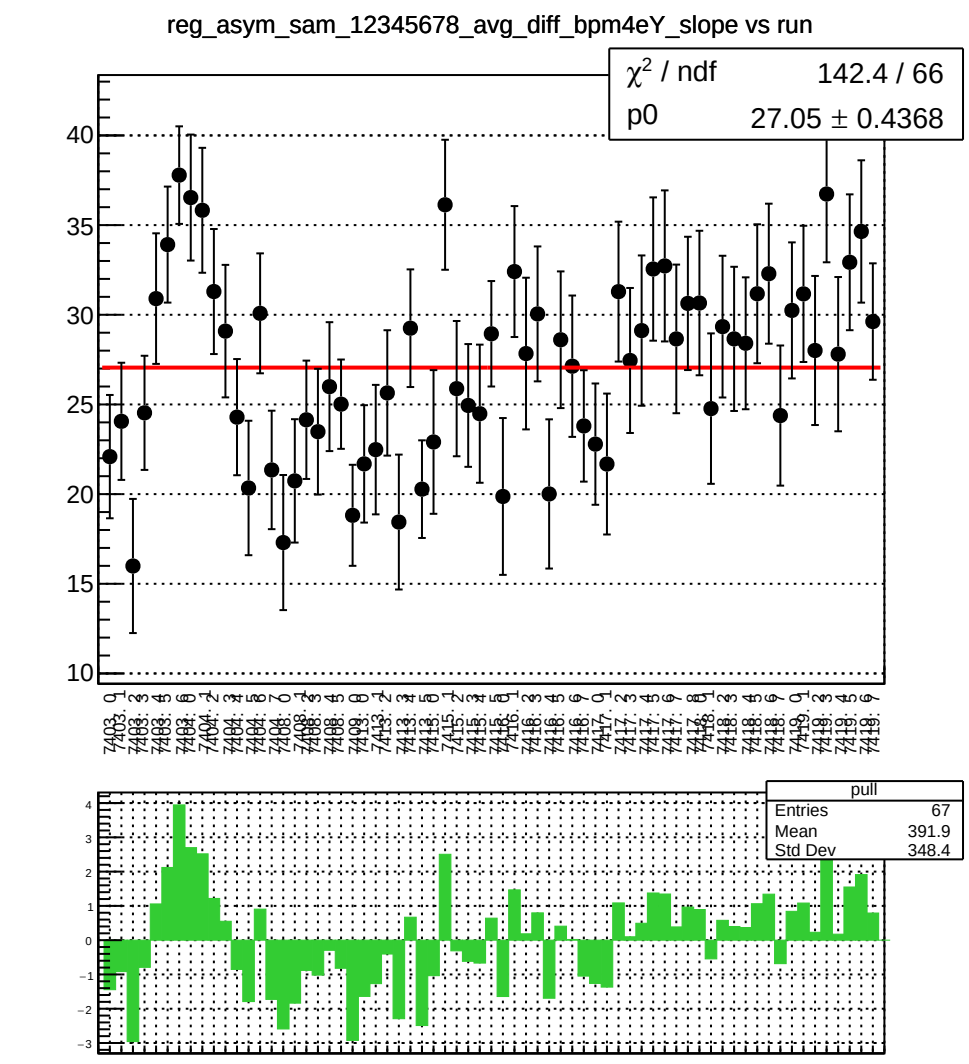

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 665.7 / 66
p0 −30.97 ± 0.4088
pull
Entries 67
Mean −323.8
Std Dev 350.5
pull1D
Entries 67
Mean −0.2203
Std Dev 2.66

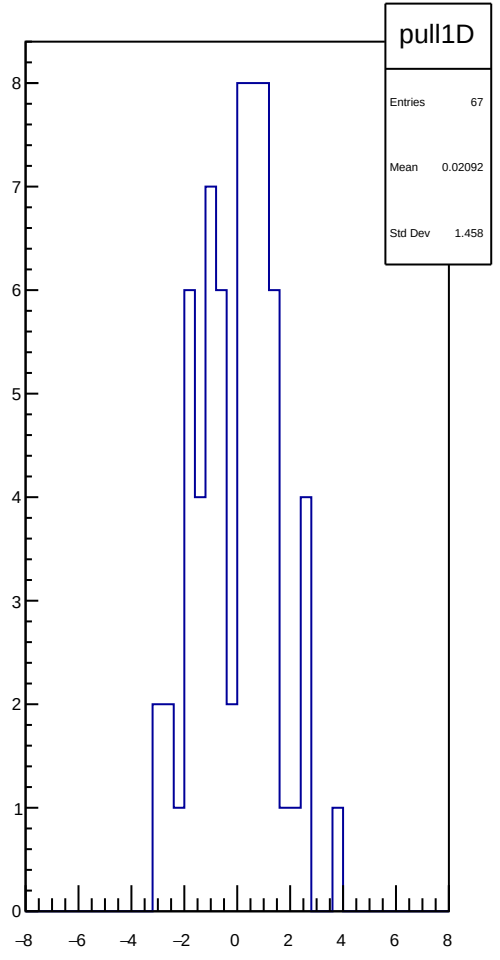

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 245.8 / 66
p0 13.88 ± 0.4127
pull
Entries 67
Mean 195.6
Std Dev 166.6

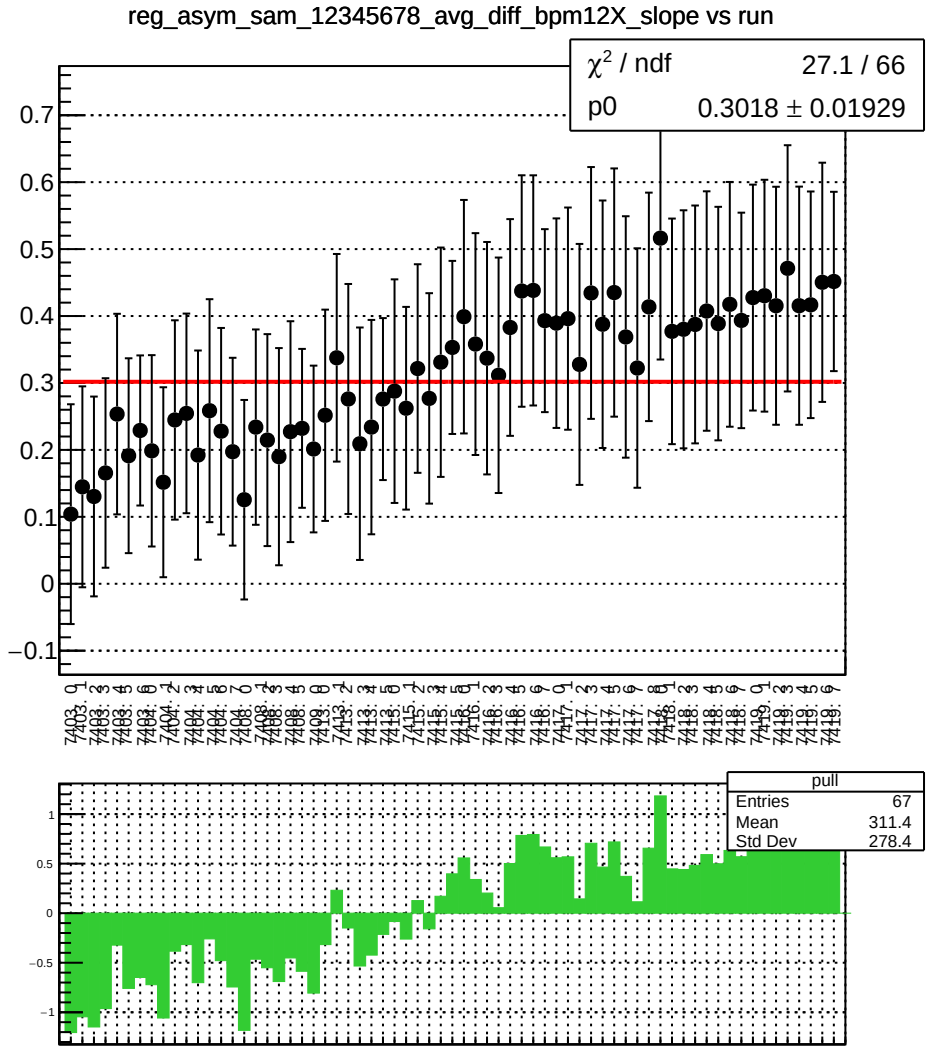

pull1D
Entries 67
Mean 0.08532
Std Dev 1.913

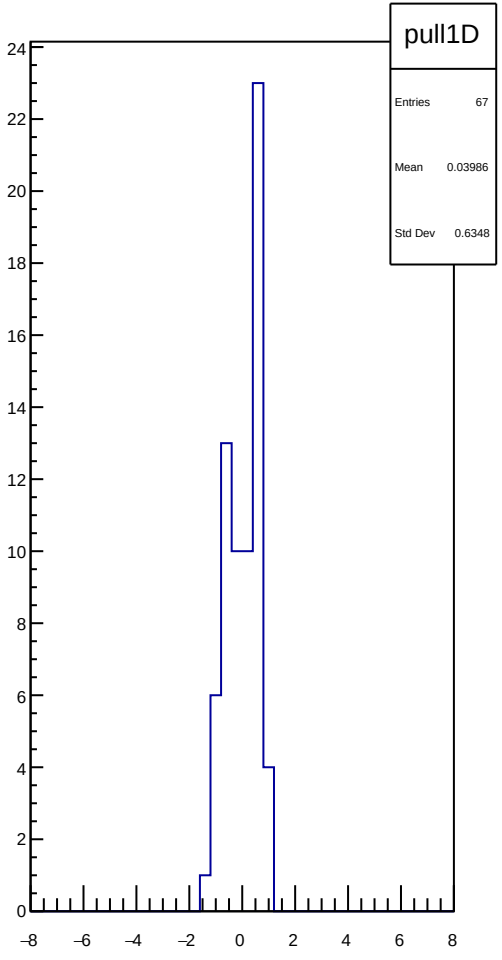

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 430.8 / 66
p0 −20.09 ± 0.4249
pull
Entries 67
Mean −35.04
Std Dev 43.09

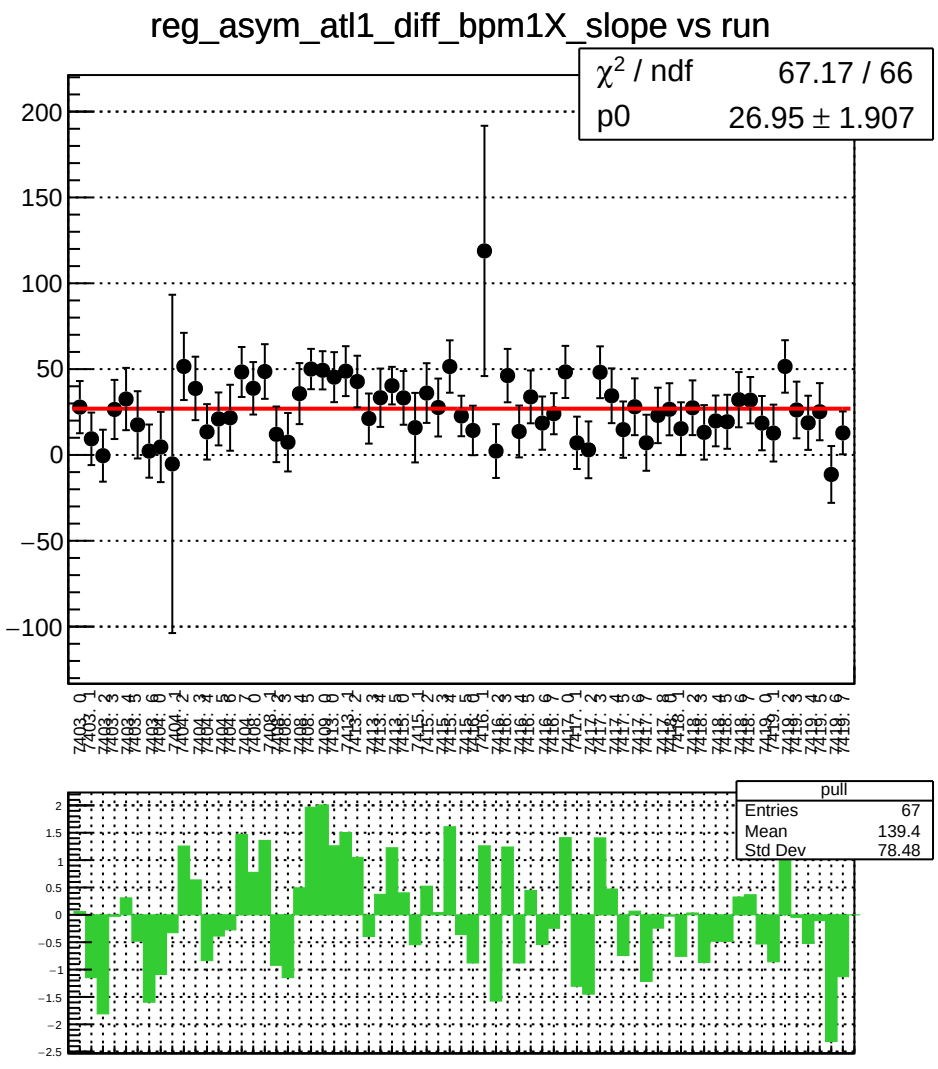

pull1D
Entries 67
Mean −0.002059
Std Dev 2.301

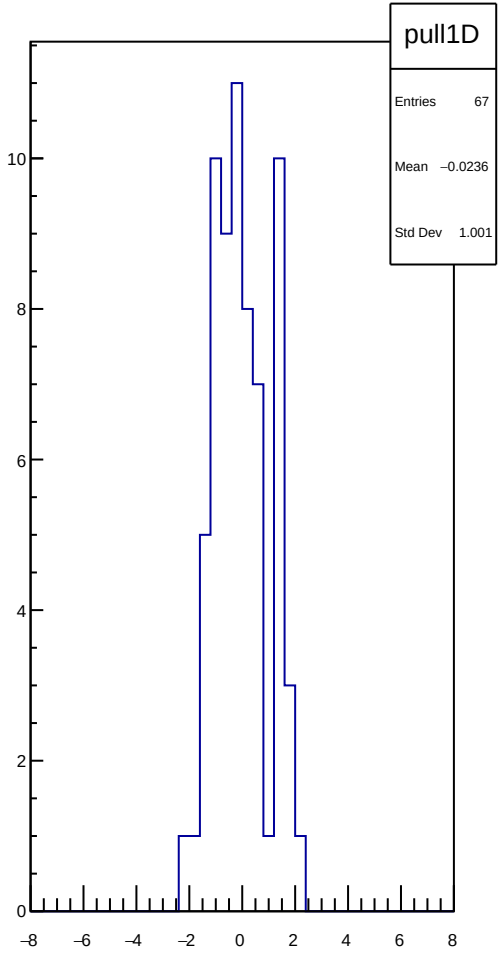

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 142.4 / 66
p0 27.05 ± 0.4368
pull
Entries 67
Mean 391.9
Std Dev 348.4

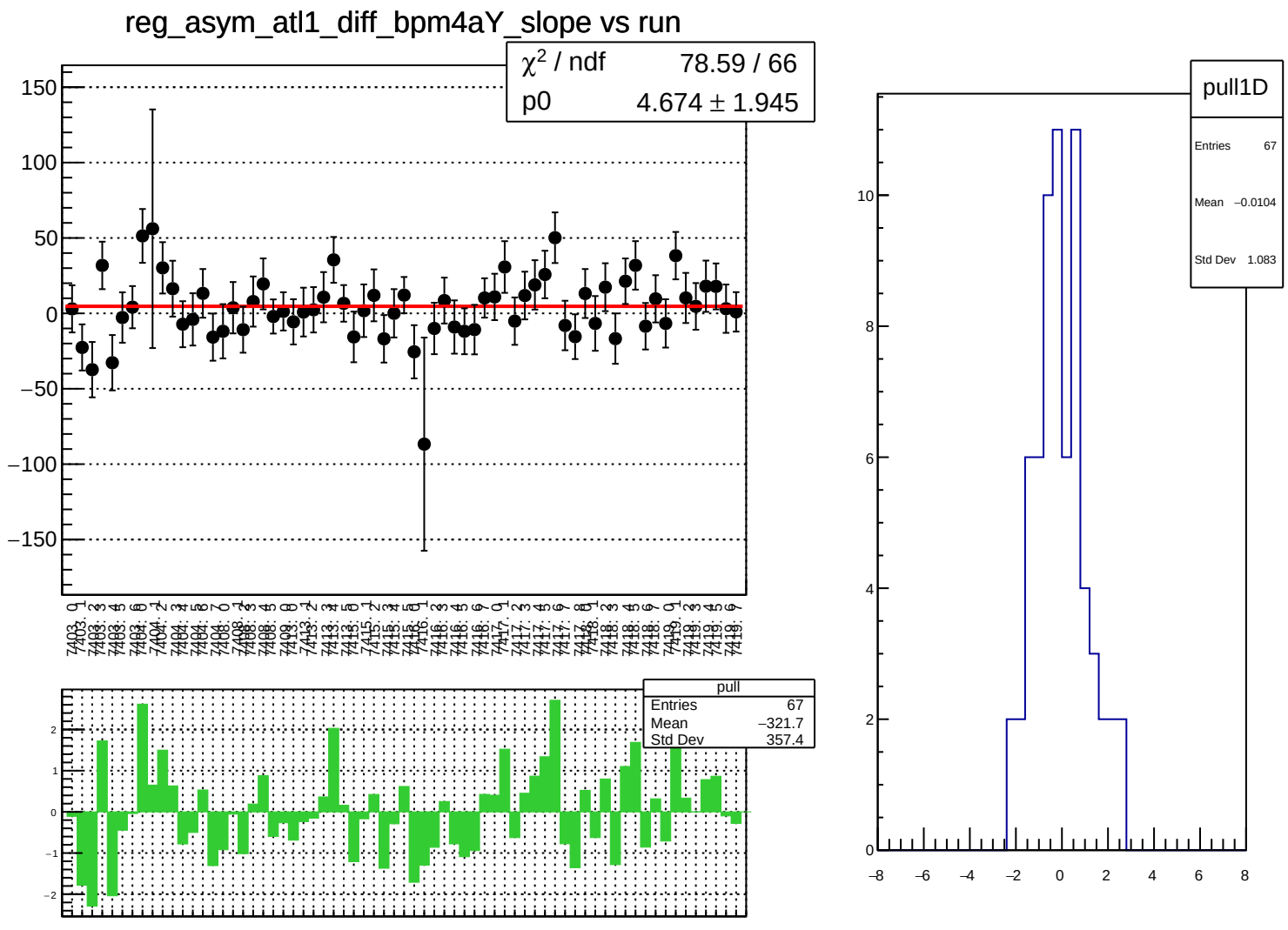

pull1D
Entries 67
Mean 0.02092
Std Dev 1.458

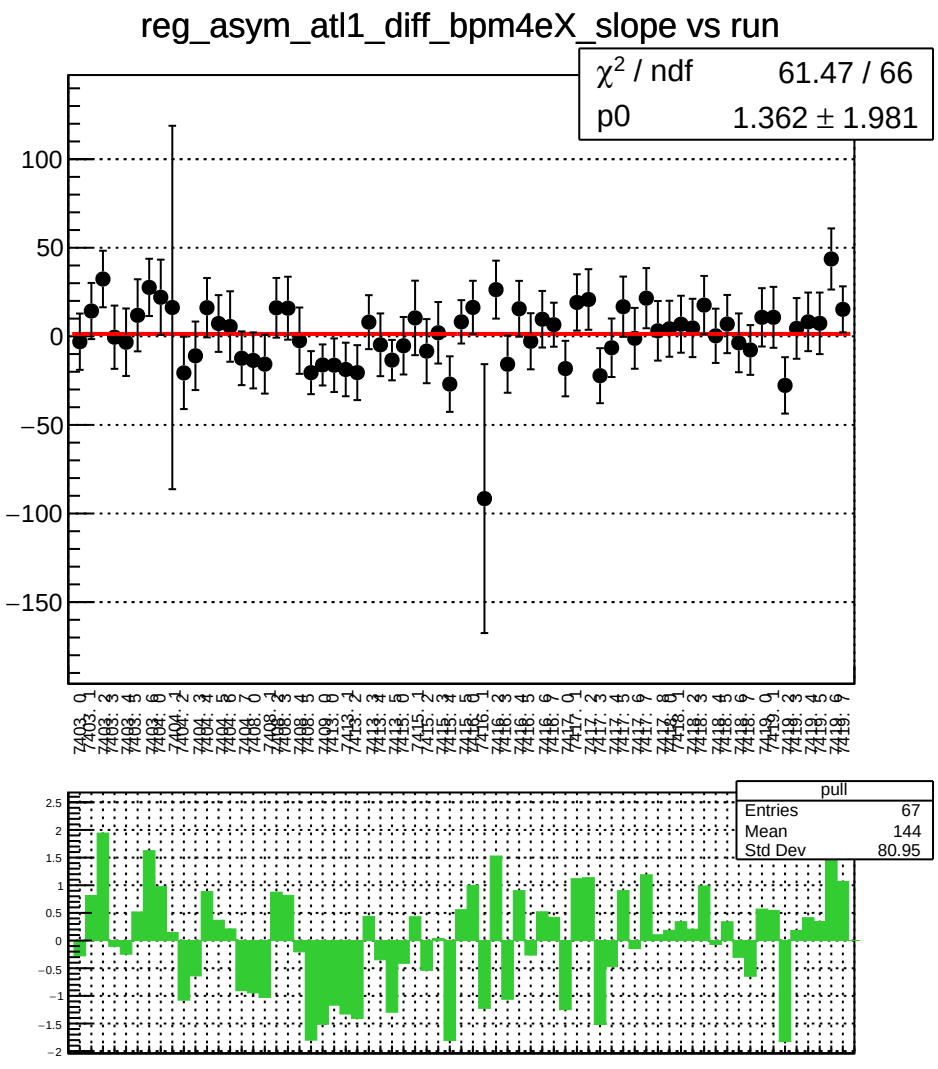

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 27.1 / 66
p0 0.3018 ± 0.01929
pull
Entries 67
Mean 311.4
Std Dev 278.4

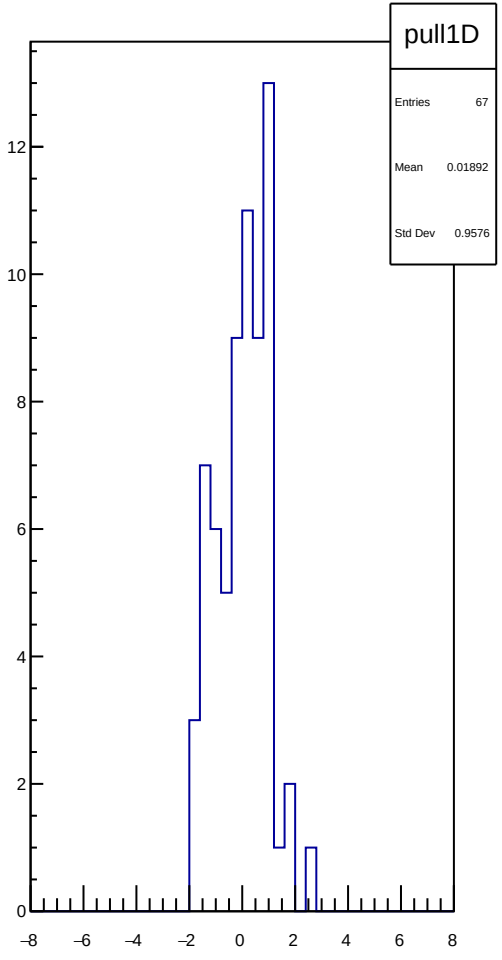

pull1D
Entries 67
Mean 0.03986
Std Dev 0.6348

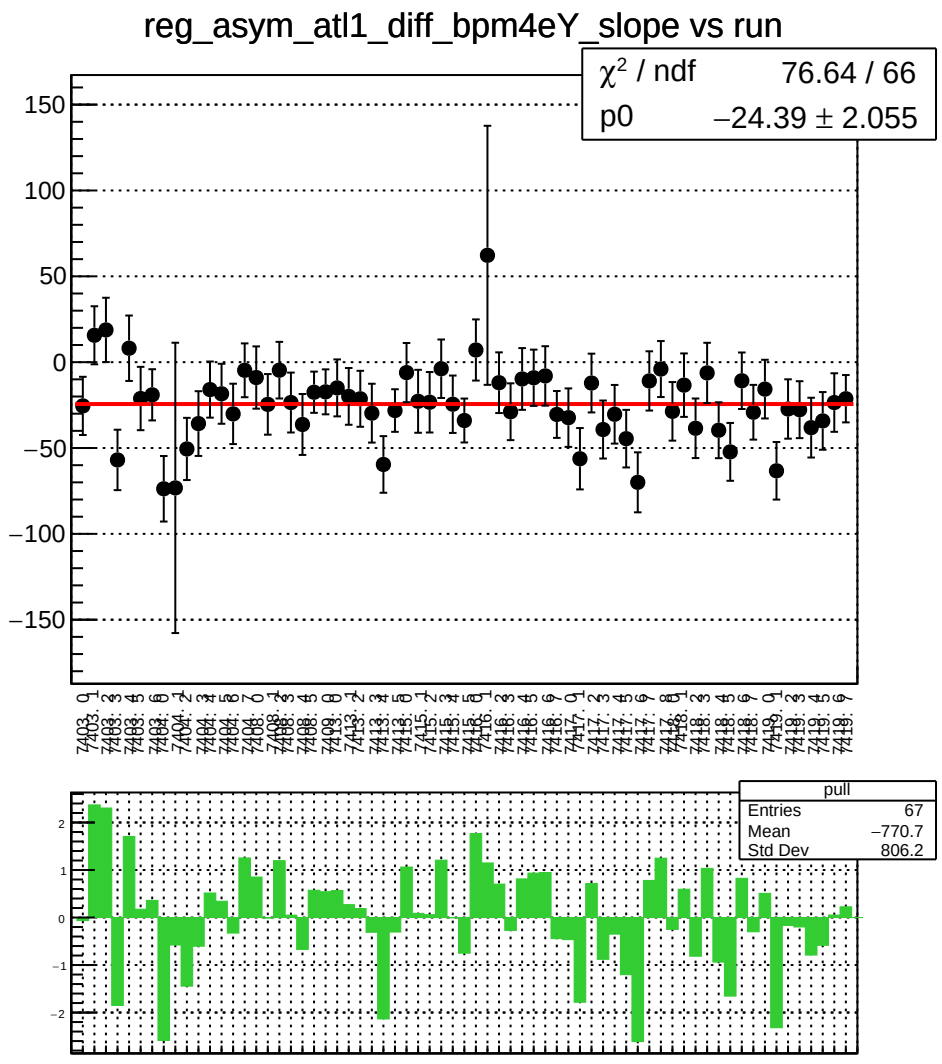

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 67.17 / 66
p0 26.95 ± 1.907
pull
Entries 67
Mean 139.4
Std Dev 78.48

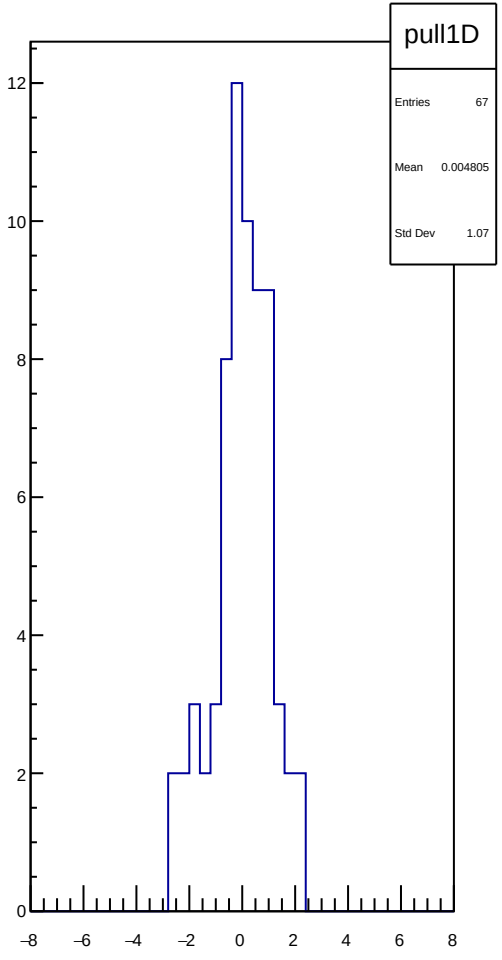

pull1D
Entries 67
Mean −0.0236
Std Dev 1.001

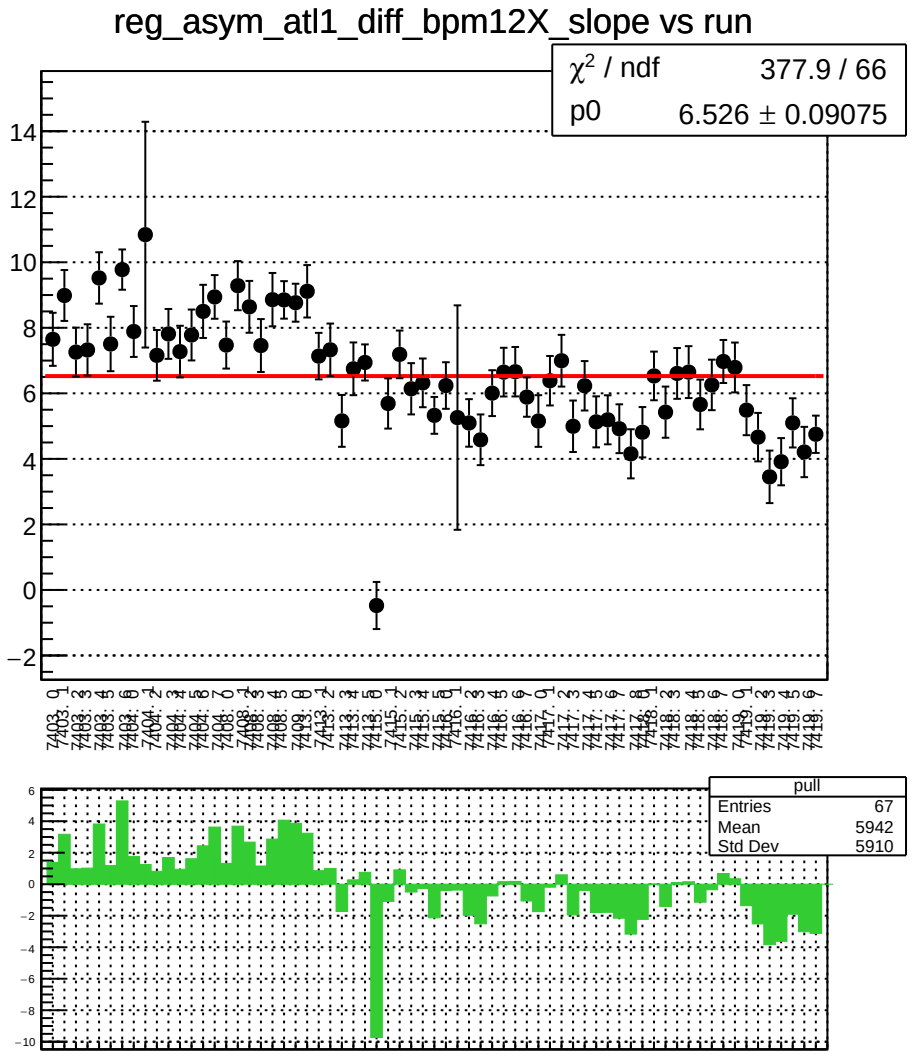

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 78.59 / 66
p0 4.674 ± 1.945
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean −321.7
Std Dev 357.4
pull1D
Entries 67
Mean −0.0104
Std Dev 1.083
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

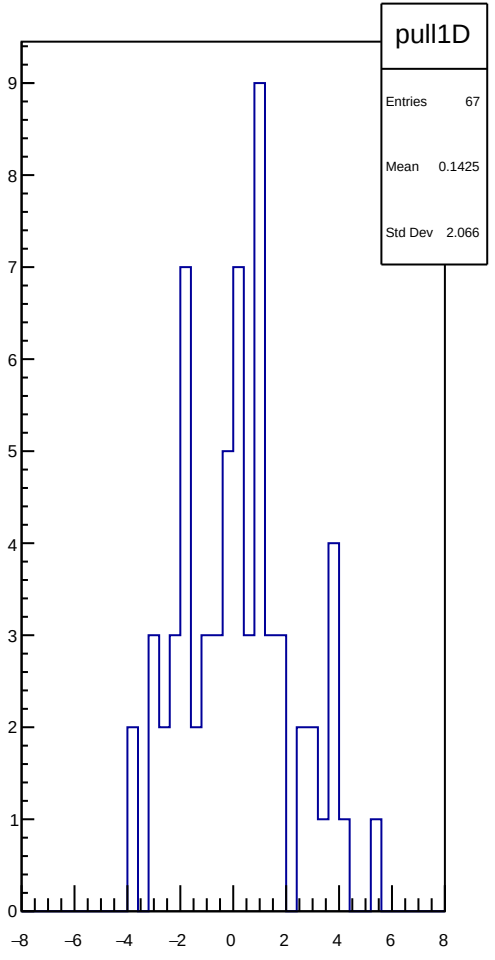

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 61.47 / 66
p0 1.362 ± 1.981
pull
Entries 67
Mean 144
Std Dev 80.95

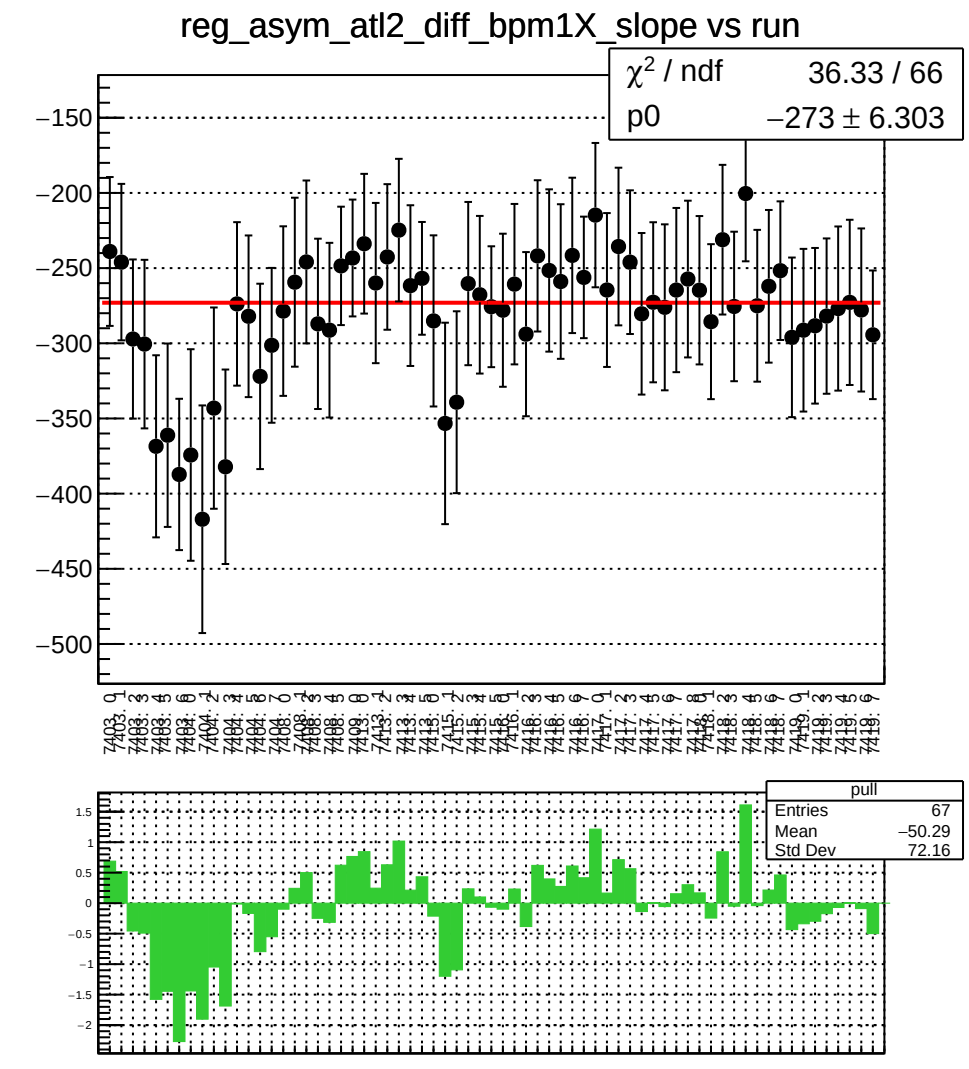

pull1D
Entries 67
Mean 0.01892
Std Dev 0.9576

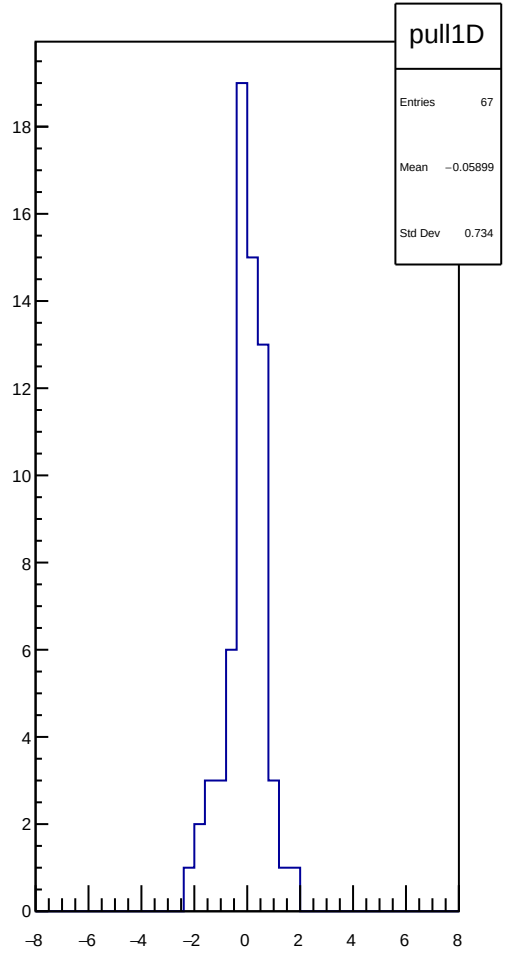

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 76.64 / 66
p0 −24.39 ± 2.055
150
100
50
0
−50
−100
−150
pull
Entries 67
Mean −770.7
Std Dev 806.2
2
1
0
−1
−2

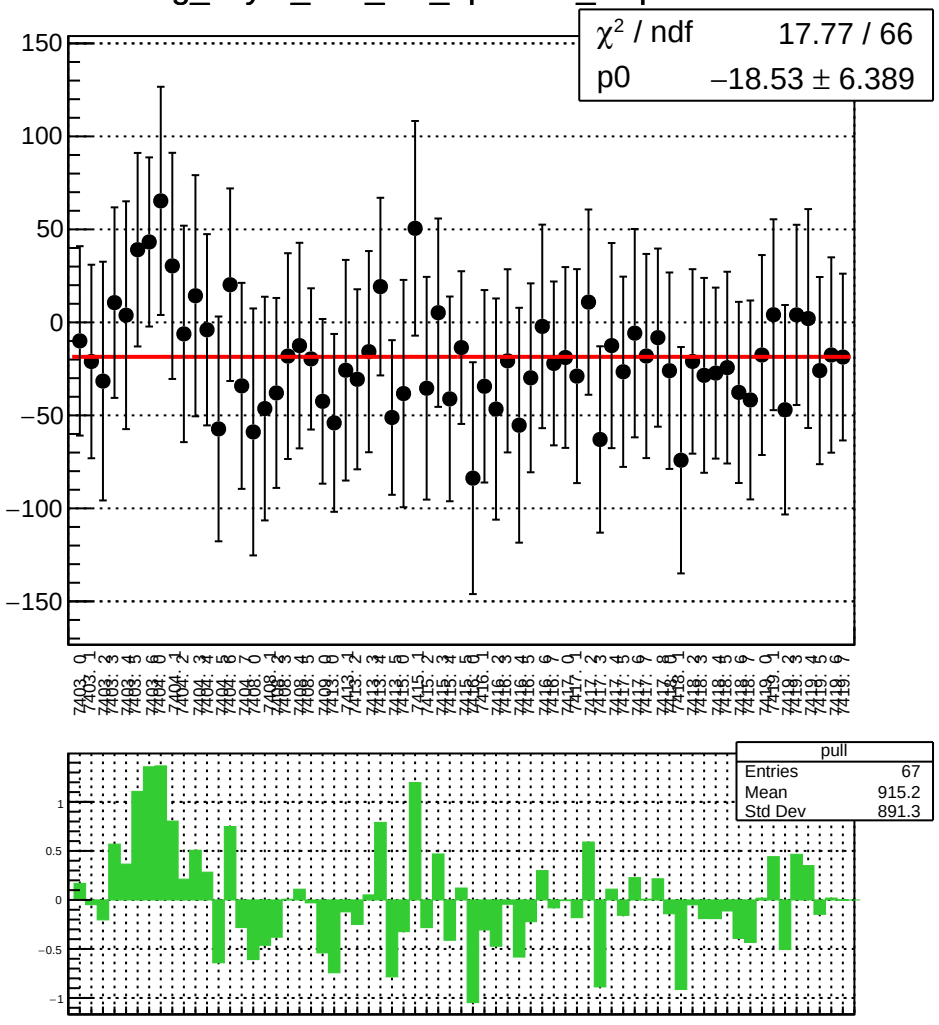

pull1D
Entries 67
Mean 0.004805
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

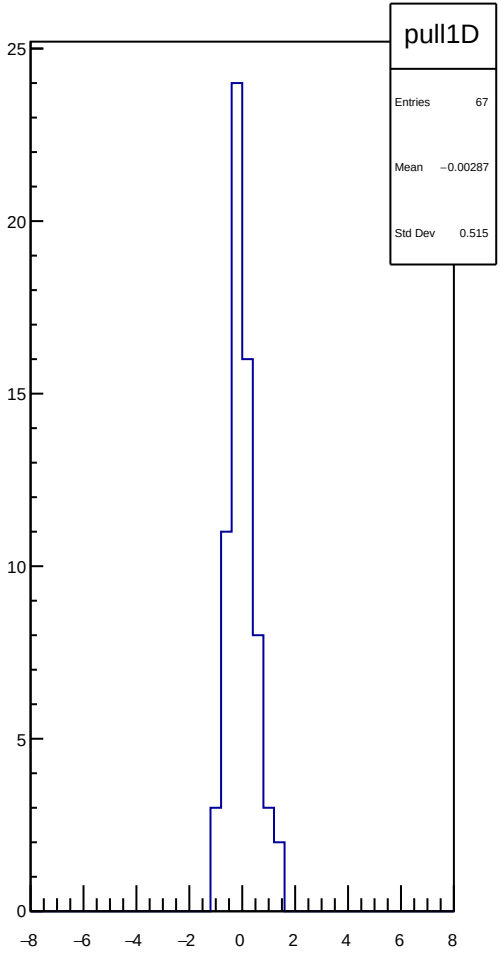

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 377.9 / 66
p0 6.526 ± 0.09075
pull
Entries 67
Mean 5942
Std Dev 5910

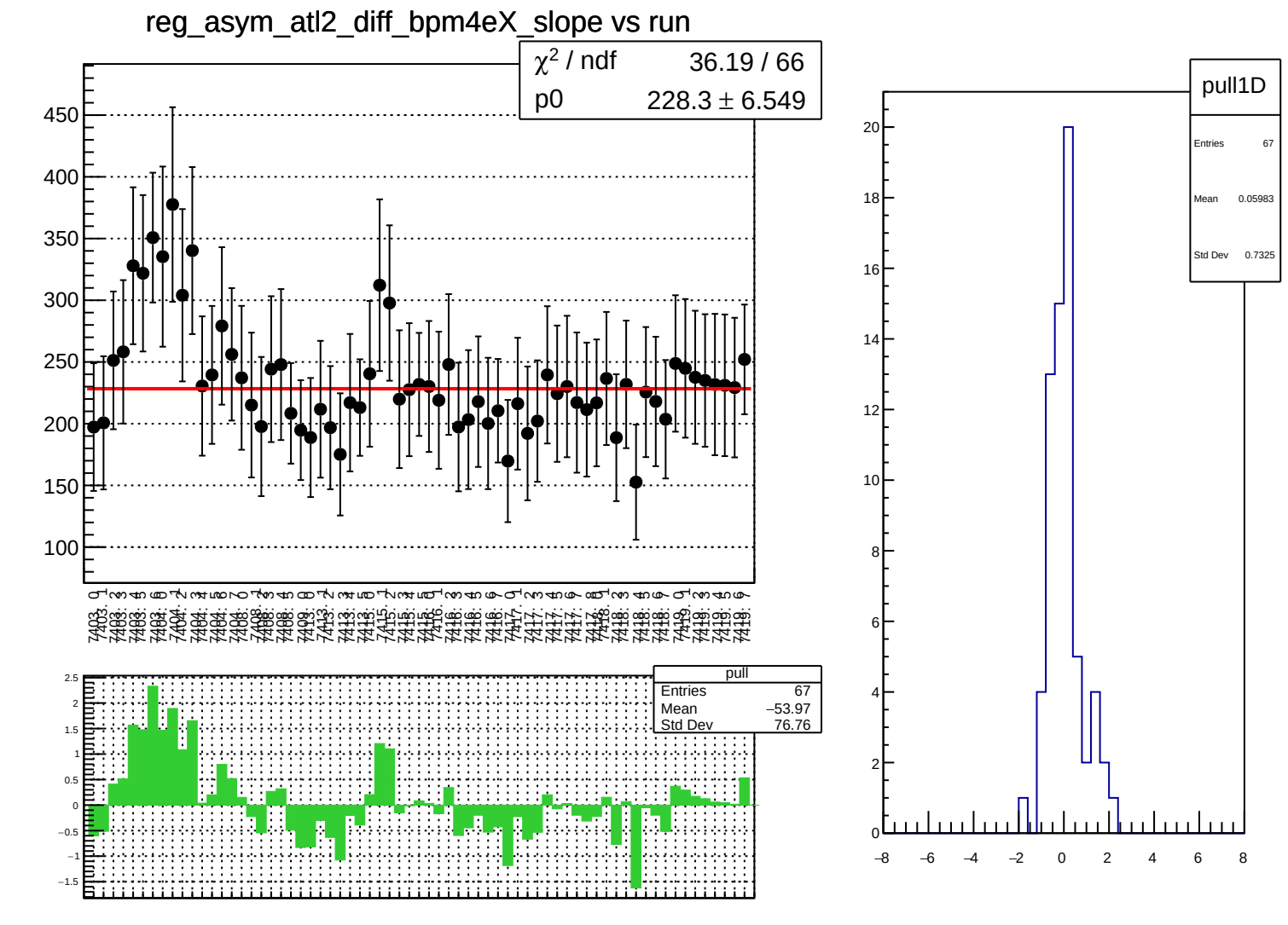

pull1D
Entries 67
Mean 0.1425
Std Dev 2.066

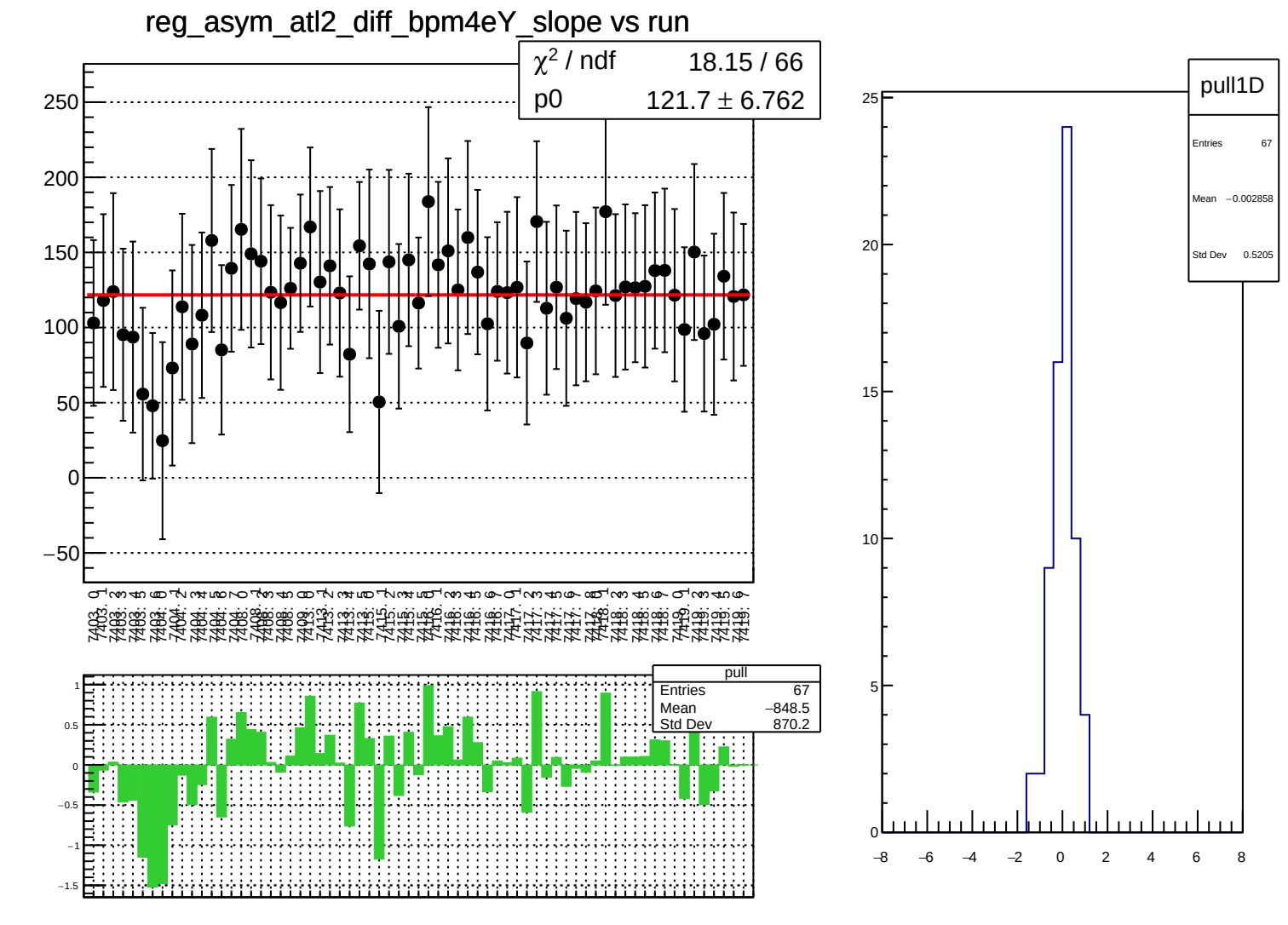

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 36.33 / 66
p0 −273 ± 6.303
pull
Entries 67
Mean −50.29
Std Dev 72.16

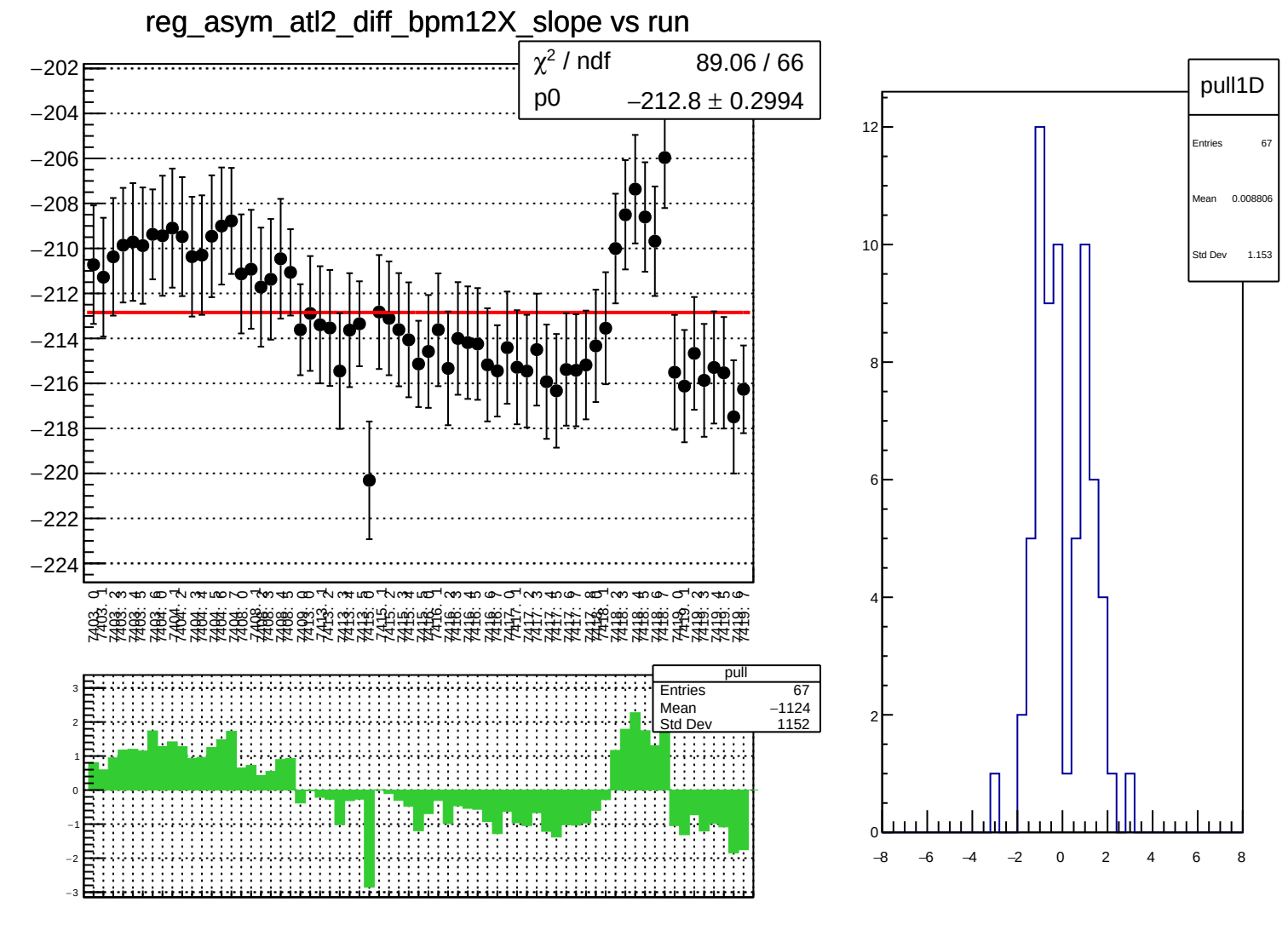

pull1D
Entries 67
Mean −0.05899
Std Dev 0.734

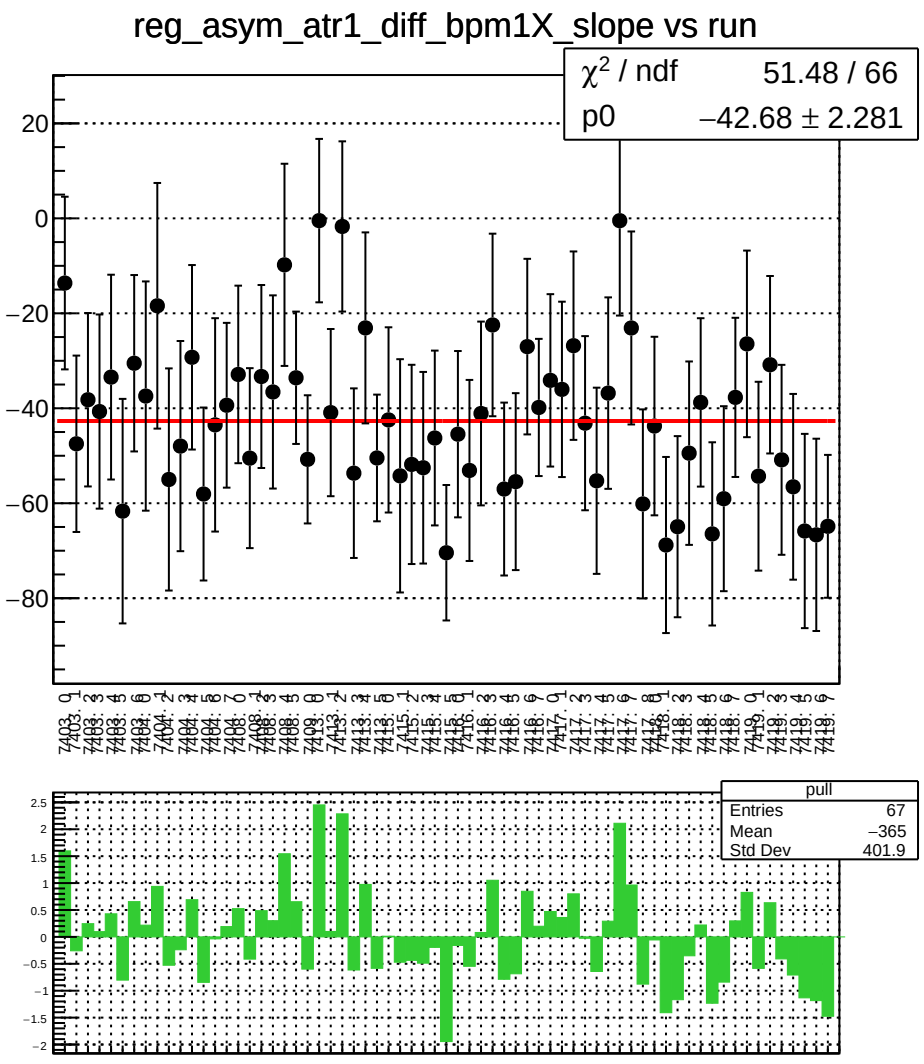

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 17.77 / 66
p0 −18.53 ± 6.389
pull
Entries 67
Mean 915.2
Std Dev 891.3

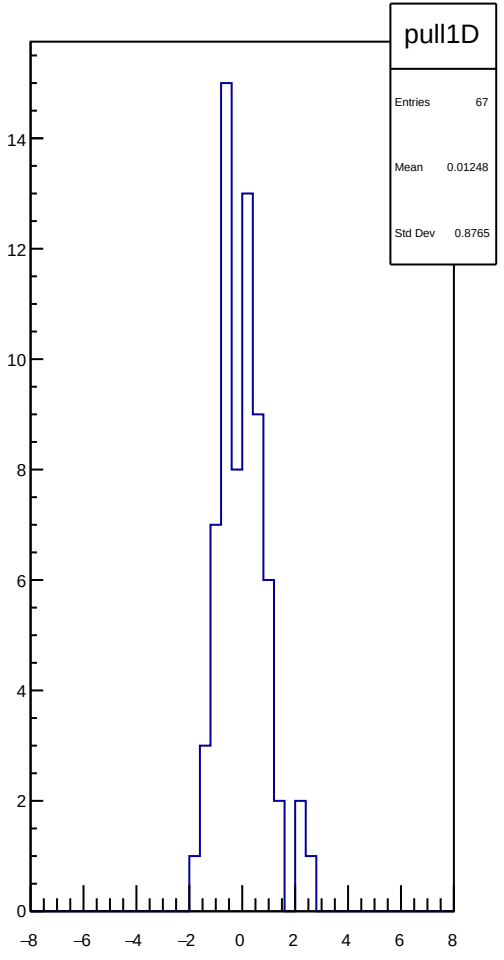

pull1D
Entries 67
Mean −0.00287
Std Dev 0.515

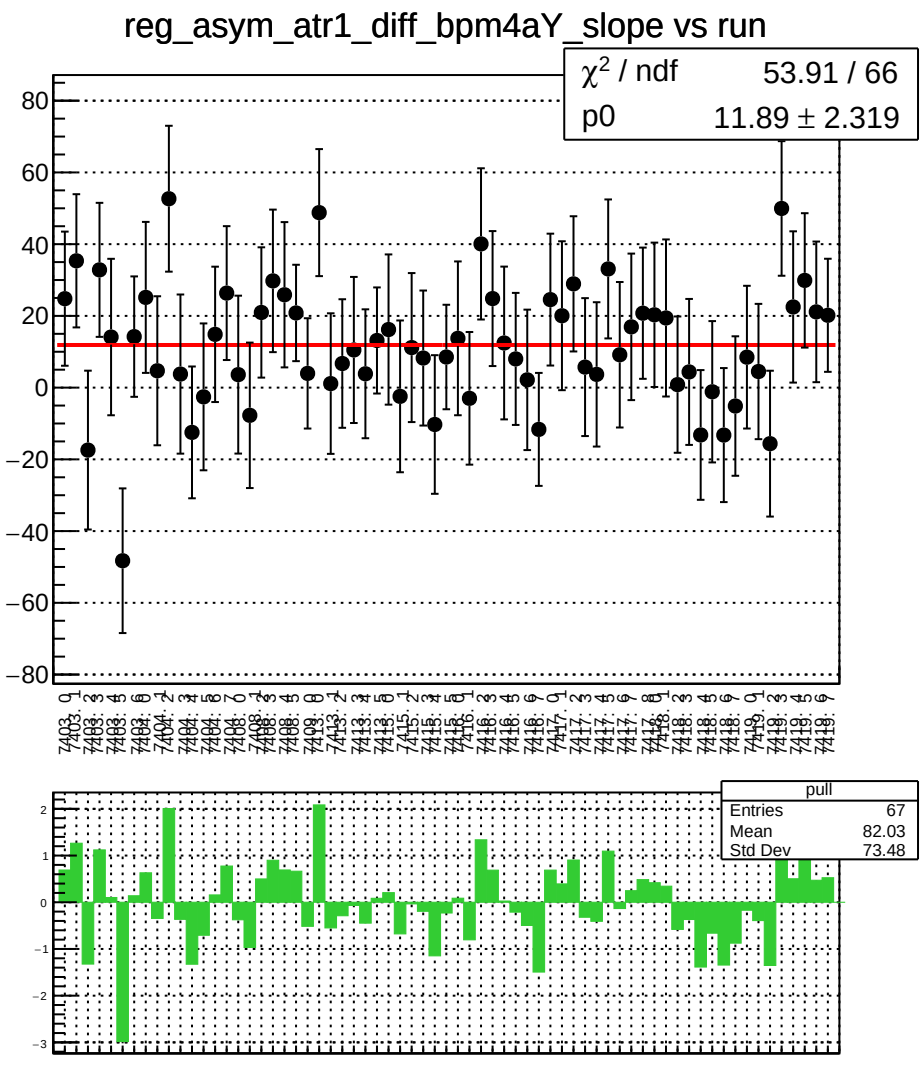

reg_asym_atl2_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 36.19 / 66
p0 228.3 ± 6.549
pull
Entries 67
Mean −53.97
Std Dev 76.76
pull1D
Entries 67
Mean 0.05983
Std Dev 0.7325

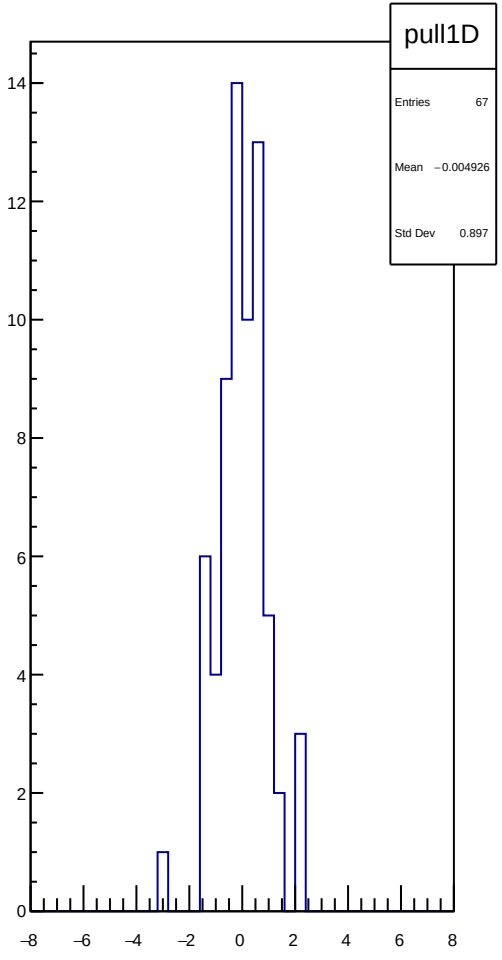

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 18.15 / 66
p0 121.7 ± 6.762
pull
Entries 67
Mean −848.5
Std Dev 870.2
pull1D
Entries 67
Mean −0.002858
Std Dev 0.5205

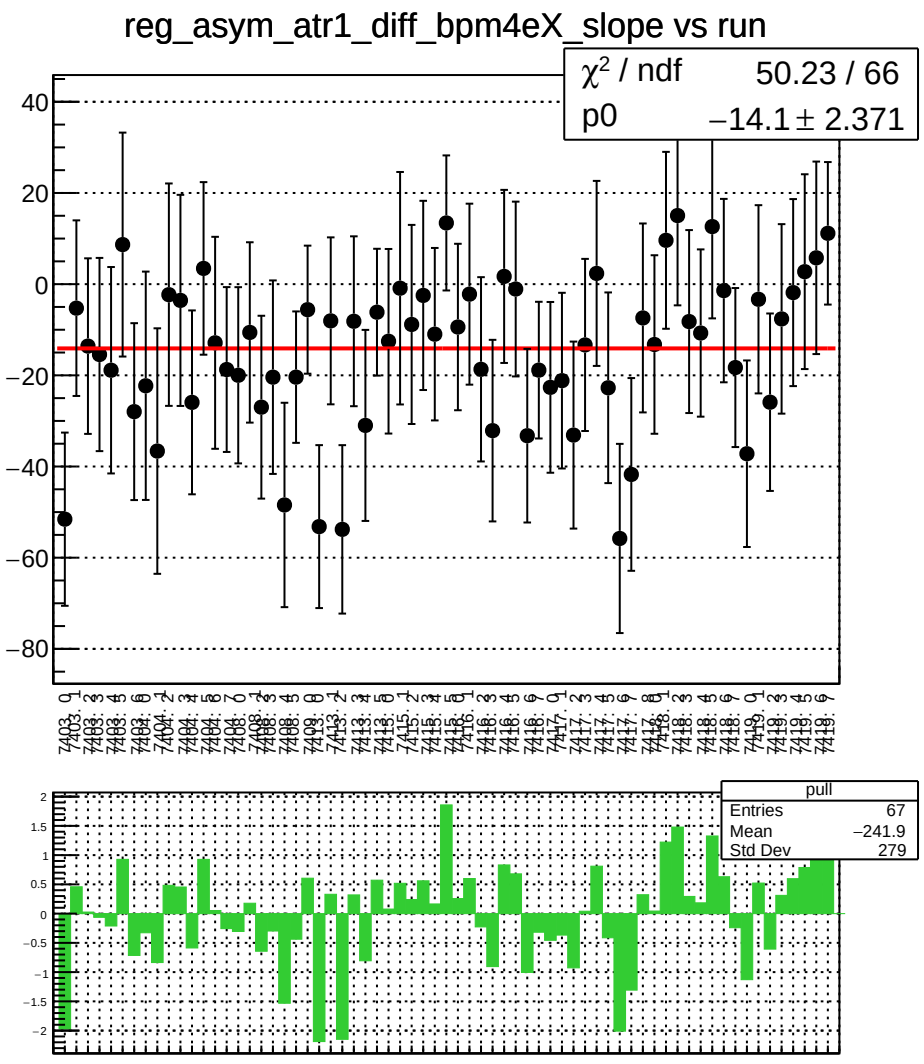

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 89.06 / 66
p0 −212.8 ± 0.2994
pull
Entries 67
Mean −1124
Std Dev 1152
pull1D
Entries 67
Mean 0.008806
Std Dev 1.153

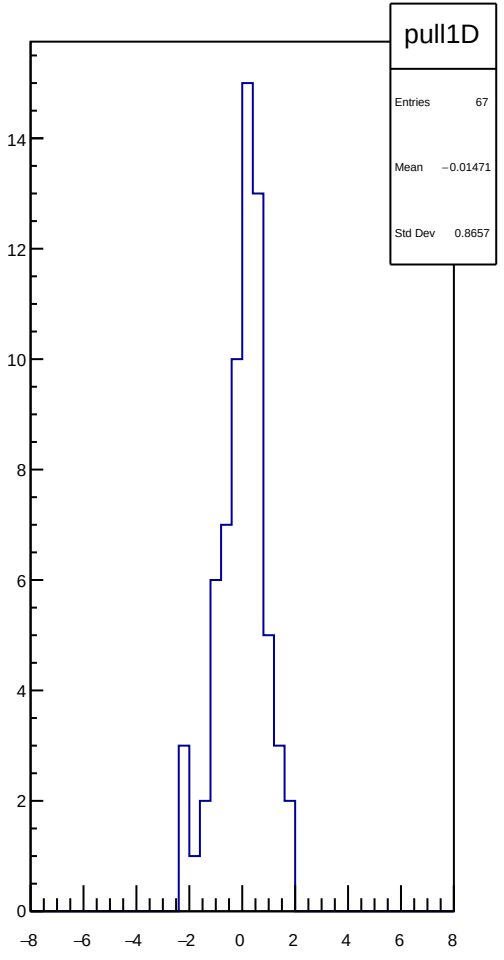

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 51.48 / 66
p0 −42.68 ± 2.281
pull
Entries 67
Mean −365
Std Dev 401.9

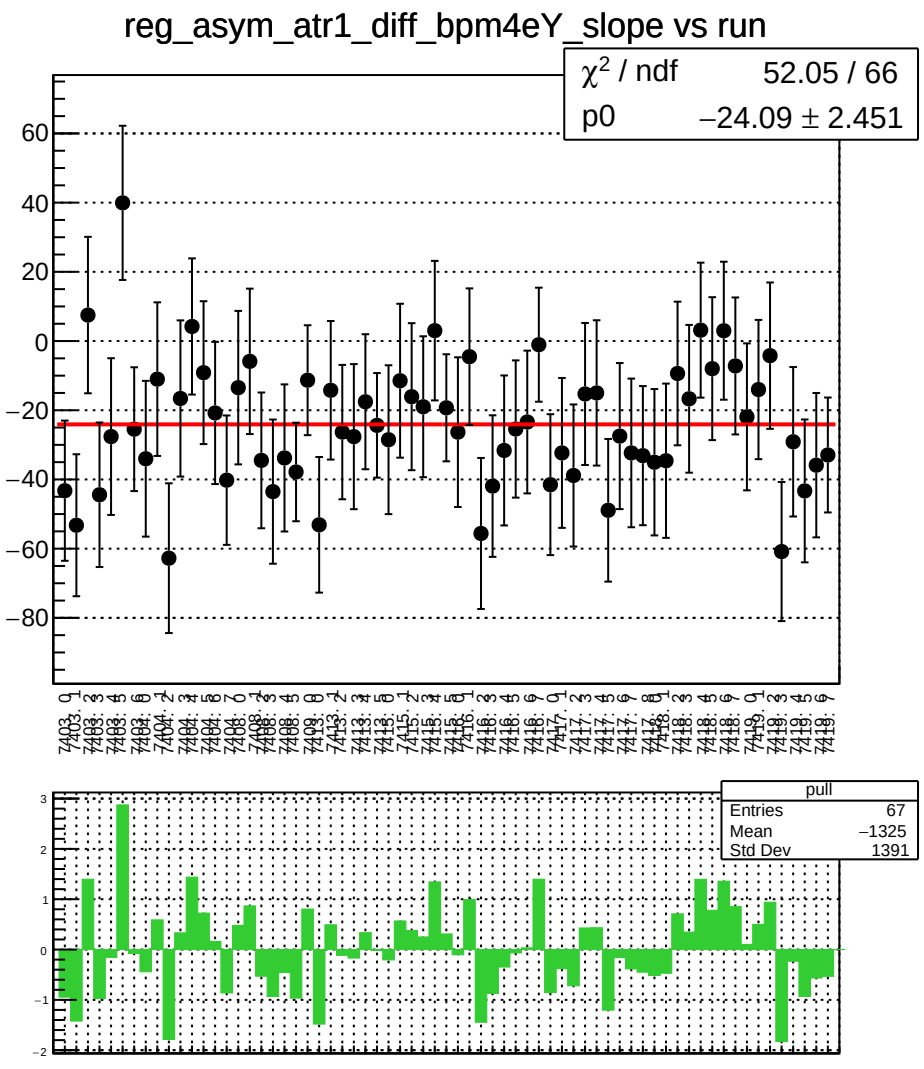

pull1D
Entries 67
Mean 0.01248
Std Dev 0.8765

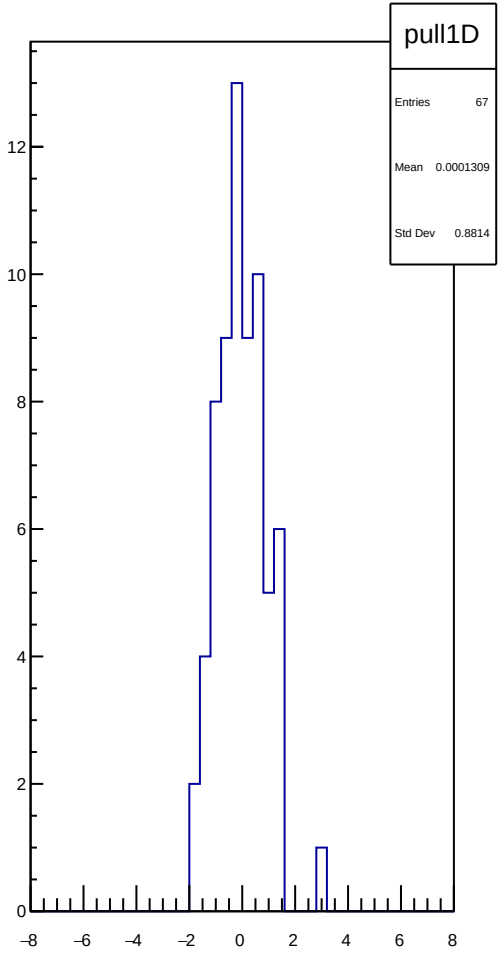

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 53.91 / 66
p0 11.89 ± 2.319
pull
Entries 67
Mean 82.03
Std Dev 73.48

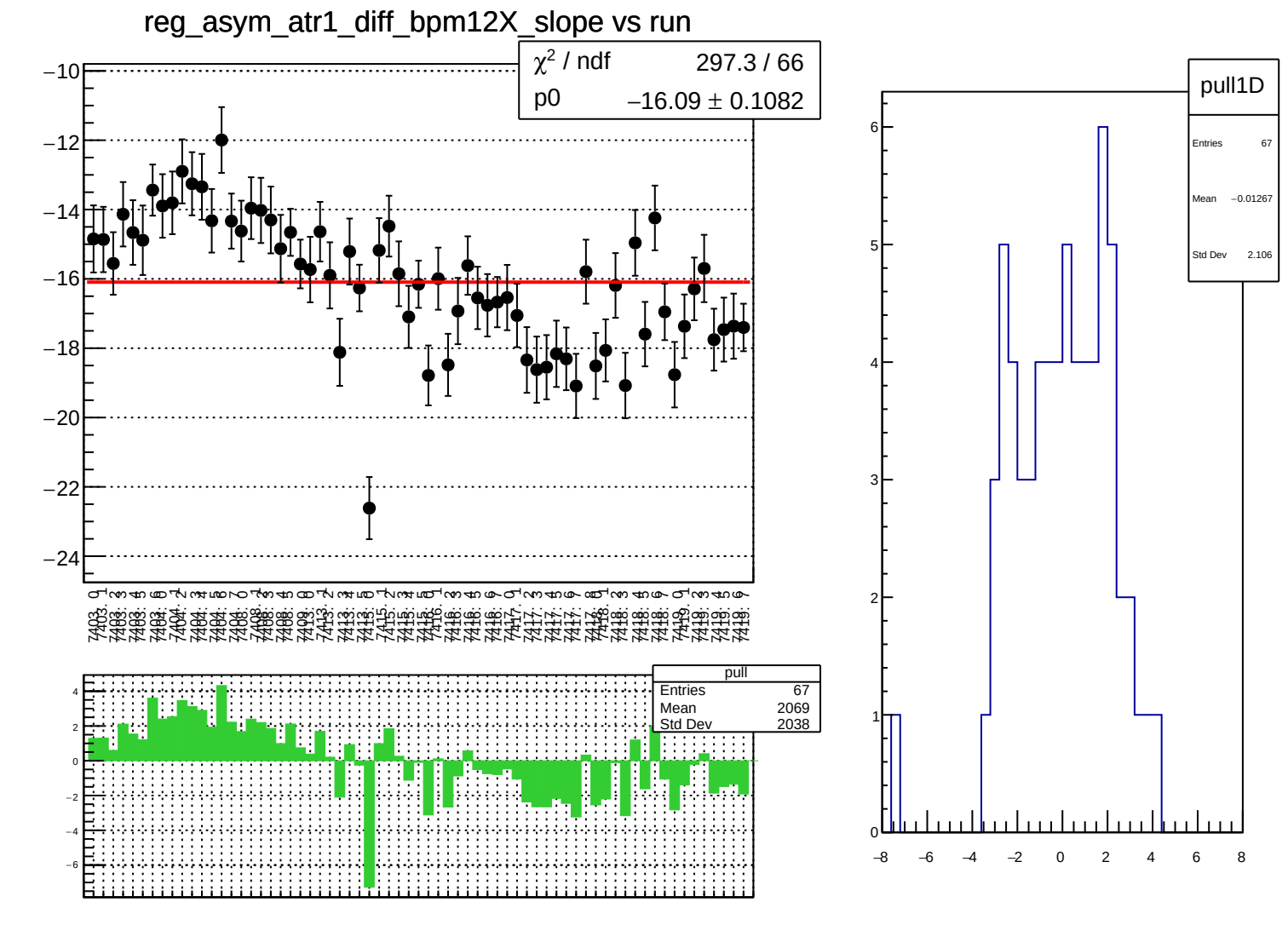

pull1D
Entries 67
Mean −0.004926
Std Dev 0.897

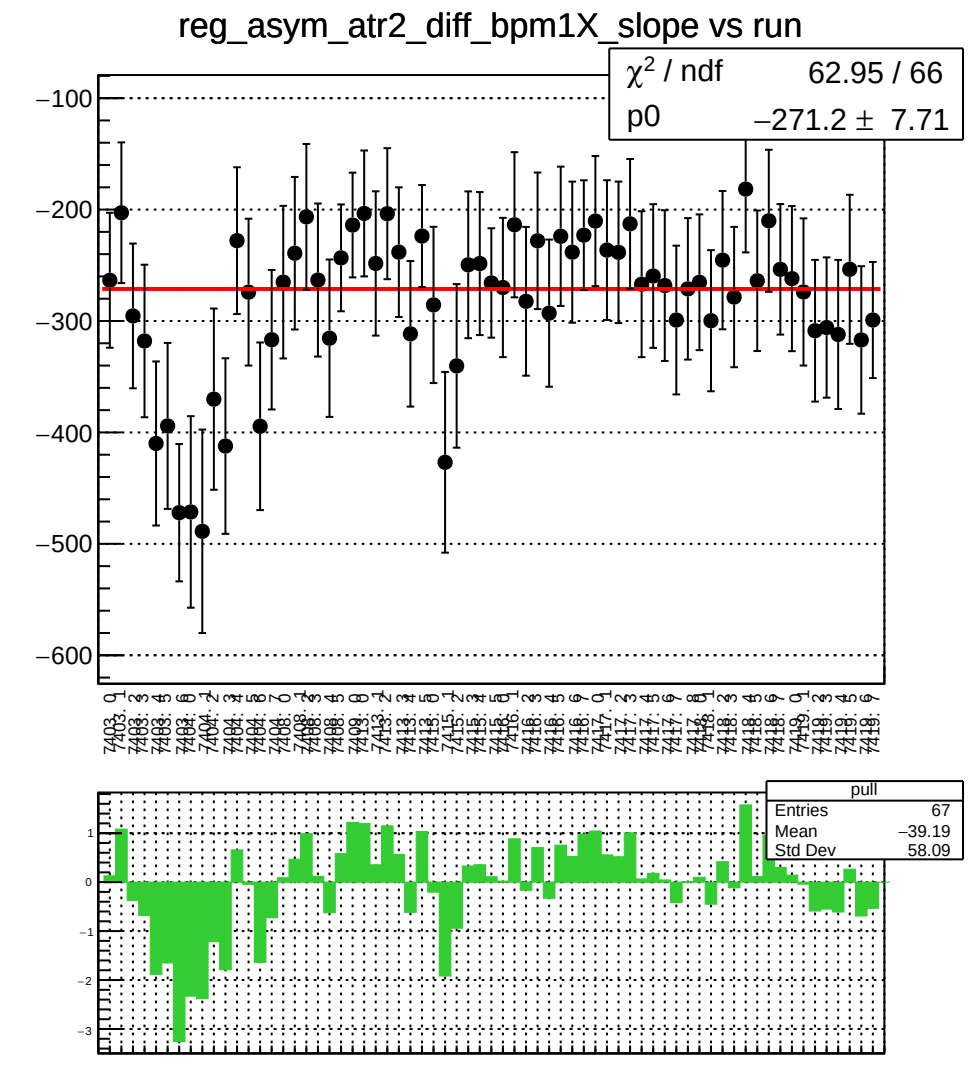

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 50.23 / 66
p0 −14.1 ± 2.371
pull
Entries 67
Mean −241.9
Std Dev 279

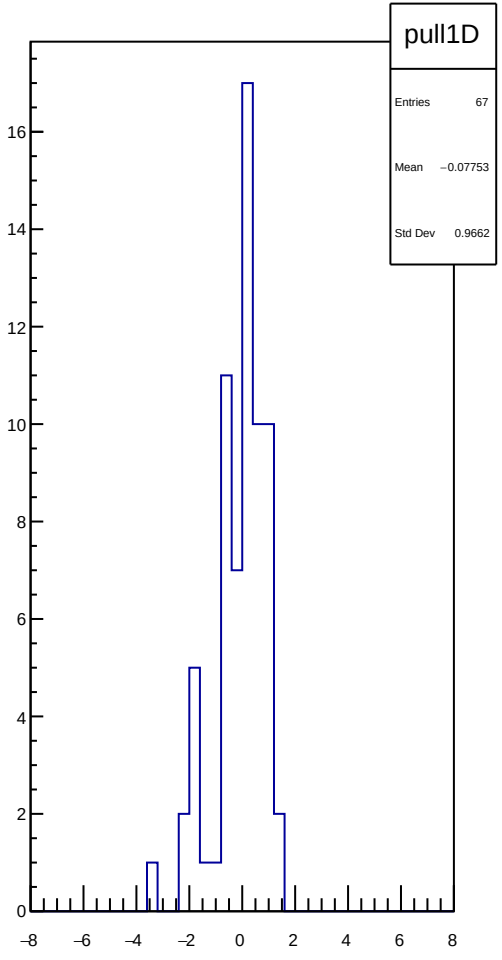

pull1D
Entries 67
Mean −0.01471
Std Dev 0.8657

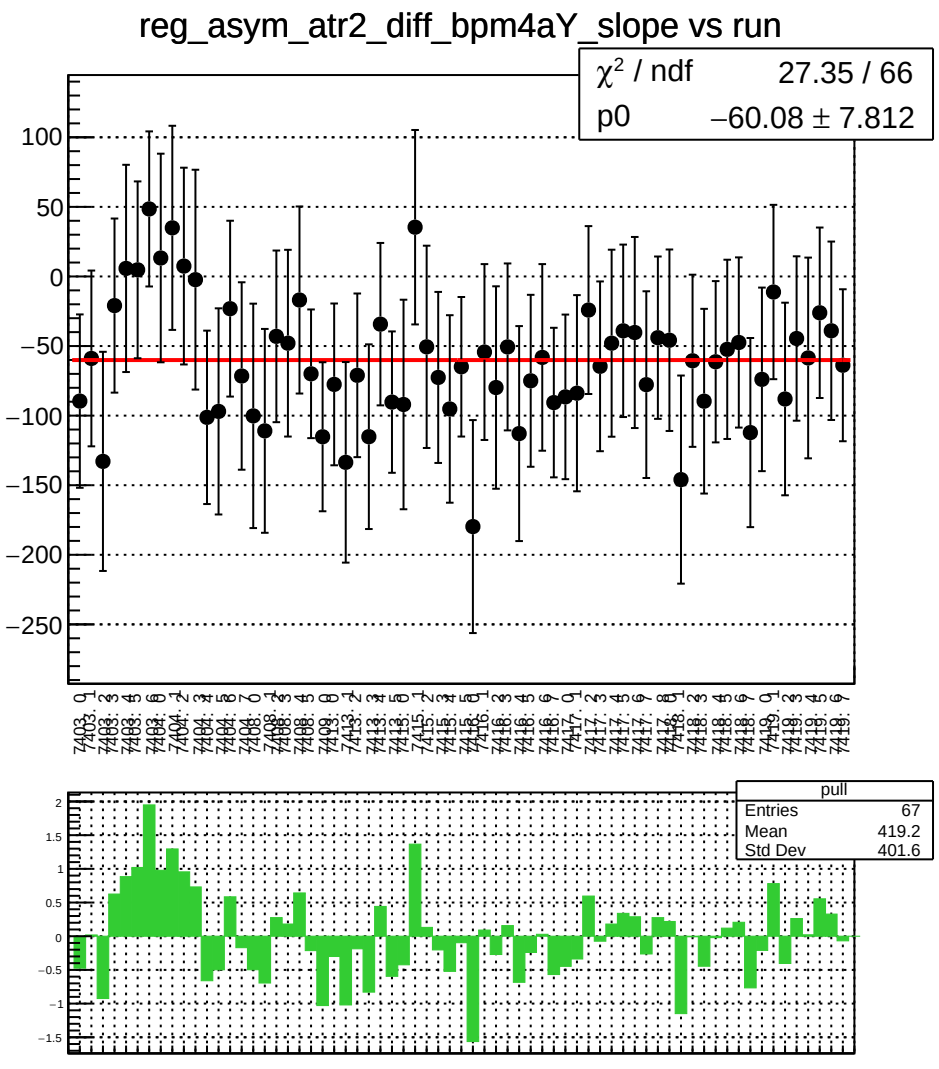

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 52.05 / 66
p0 −24.09 ± 2.451
pull
Entries 67
Mean −1325
Std Dev 1391

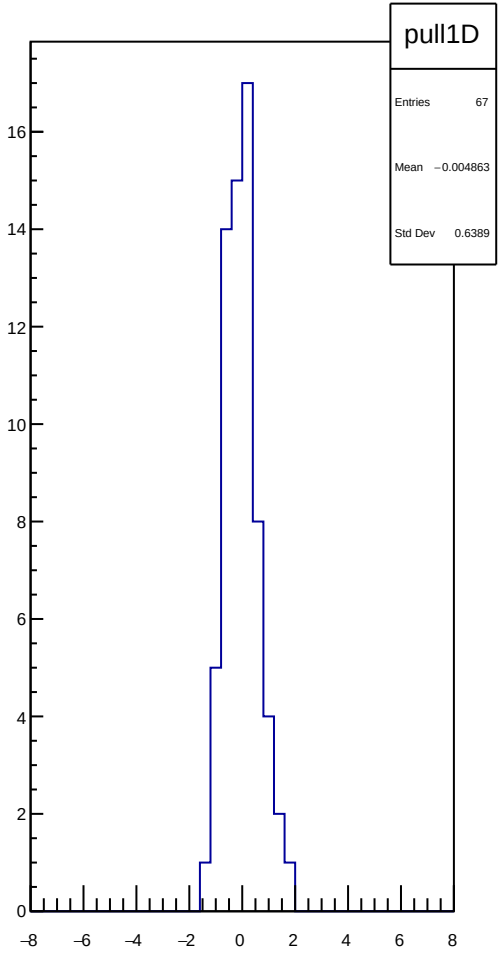

pull1D
Entries 67
Mean 0.0001309
Std Dev 0.8814

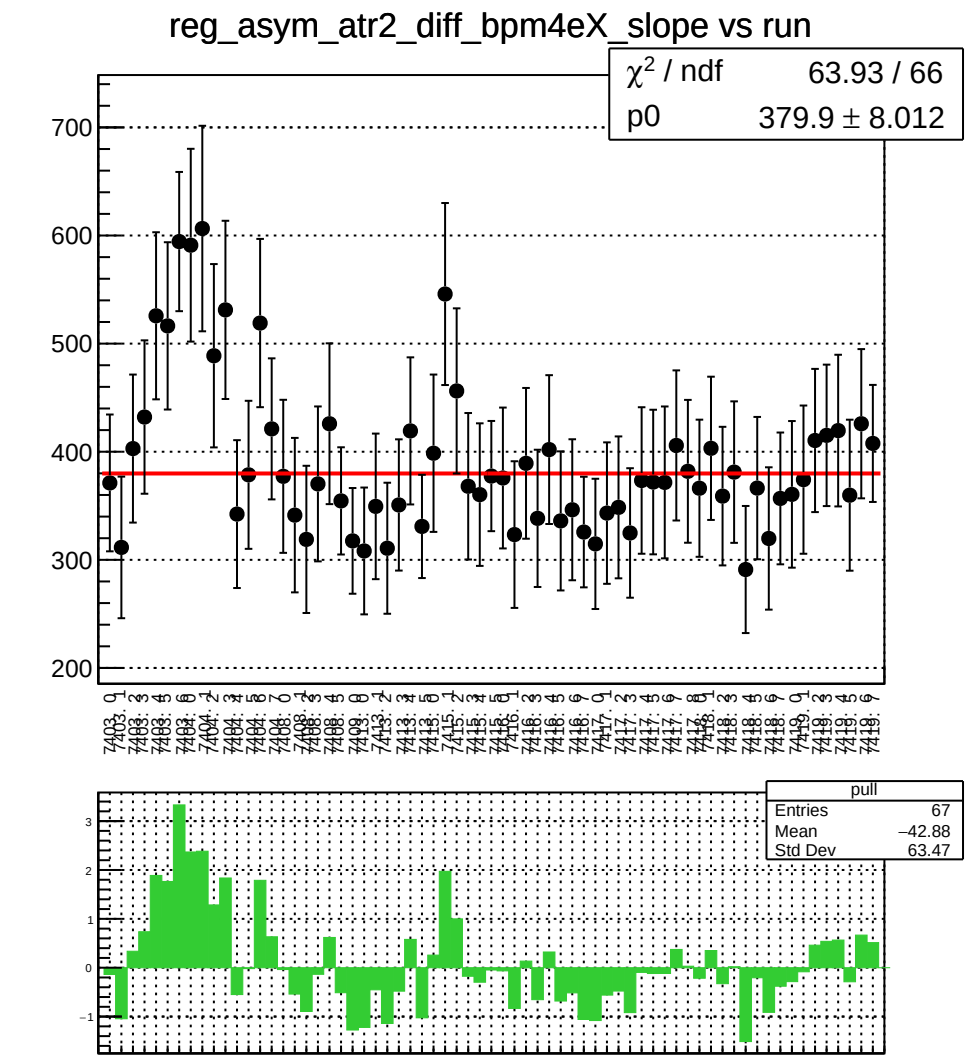

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 297.3 / 66
p0 −16.09 ± 0.1082
pull
Entries 67
Mean 2069
Std Dev 2038
pull1D
Entries 67
Mean −0.01267
Std Dev 2.106

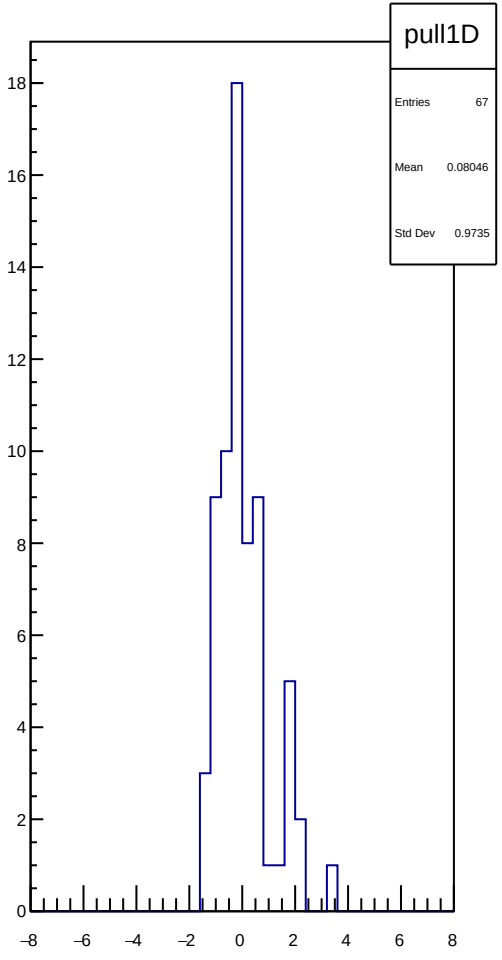

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 62.95 / 66
p0 −271.2 ± 7.71
pull
Entries 67
Mean −39.19
Std Dev 58.09

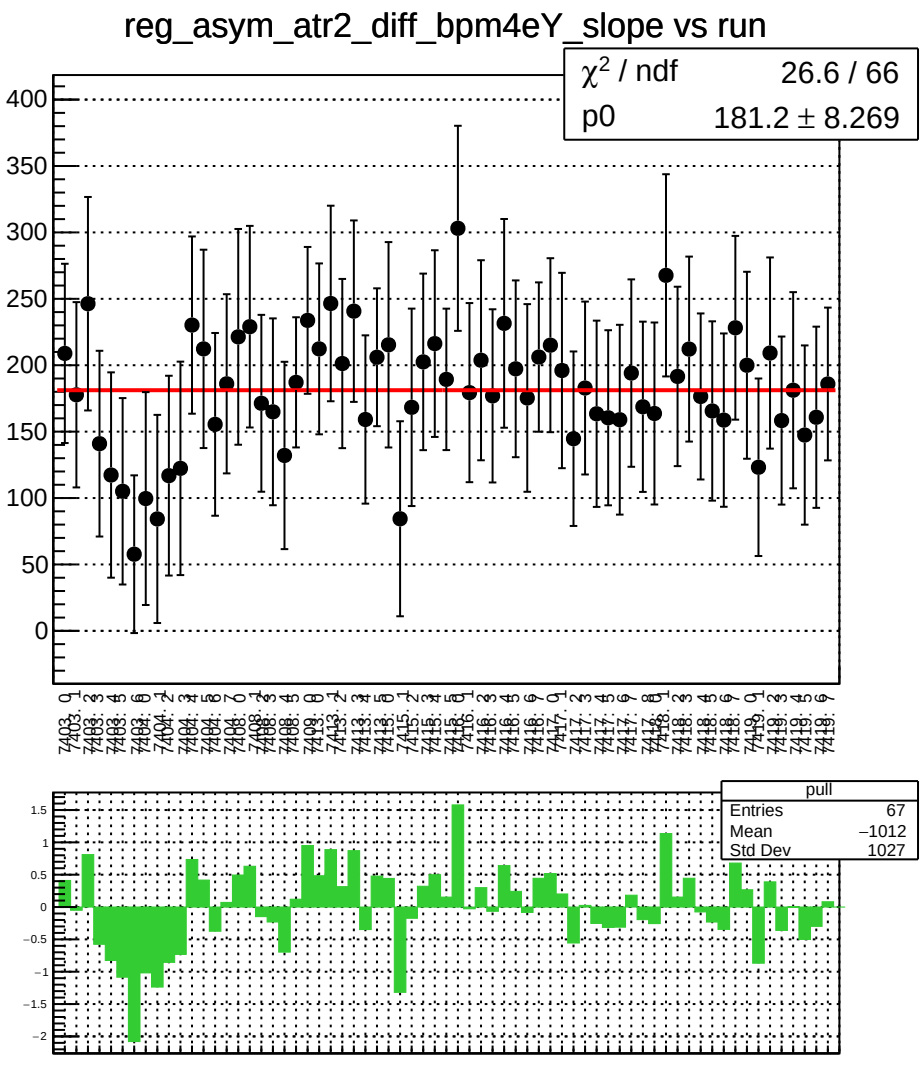

pull1D
Entries 67
Mean −0.07753
Std Dev 0.9662

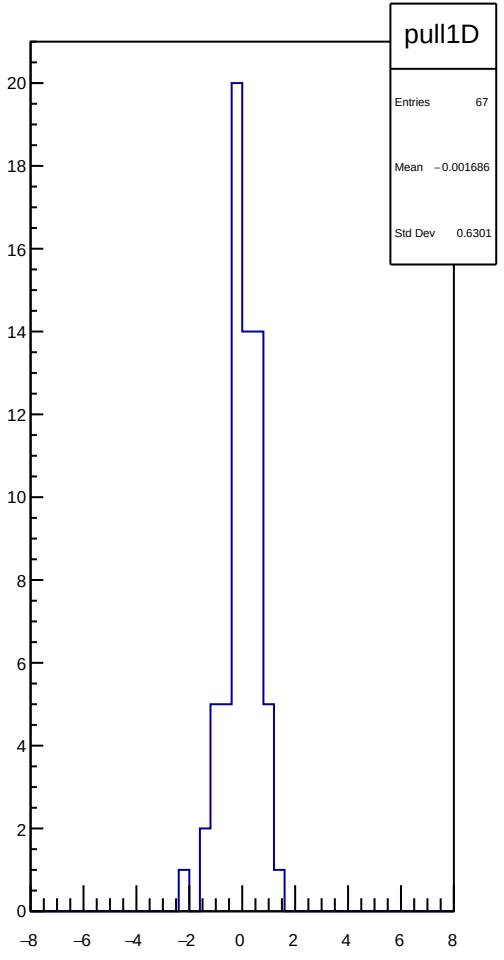

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 27.35 / 66
p0 −60.08 ± 7.812
pull
Entries 67
Mean 419.2
Std Dev 401.6

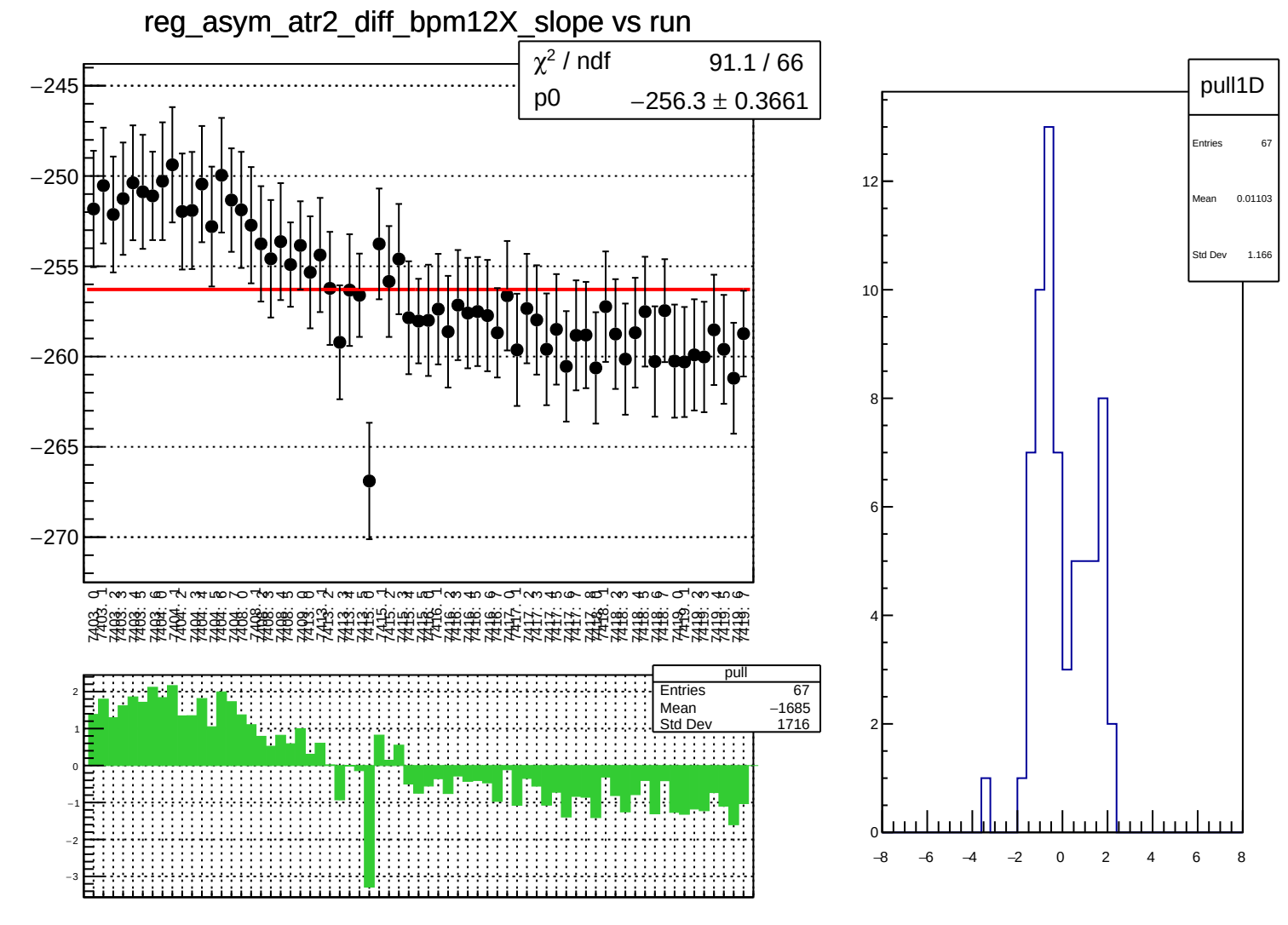

pull1D
Entries 67
Mean −0.004863
Std Dev 0.6389

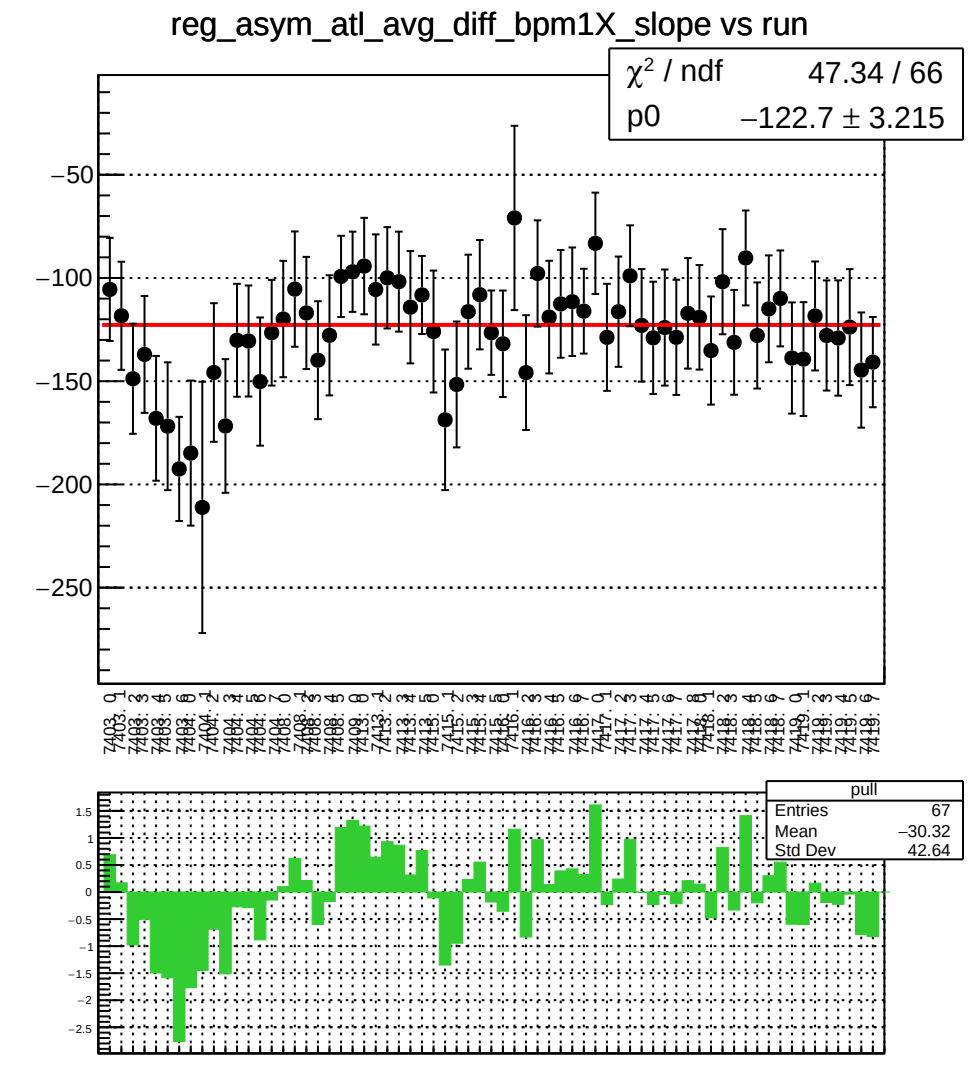

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 63.93 / 66
p0 379.9 ± 8.012
pull
Entries 67
Mean −42.88
Std Dev 63.47

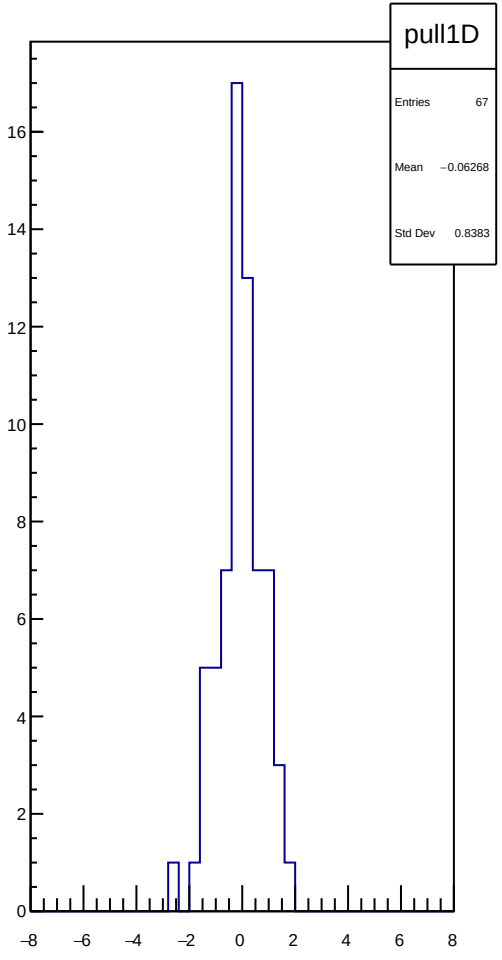

pull1D
Entries 67
Mean 0.08046
Std Dev 0.9735

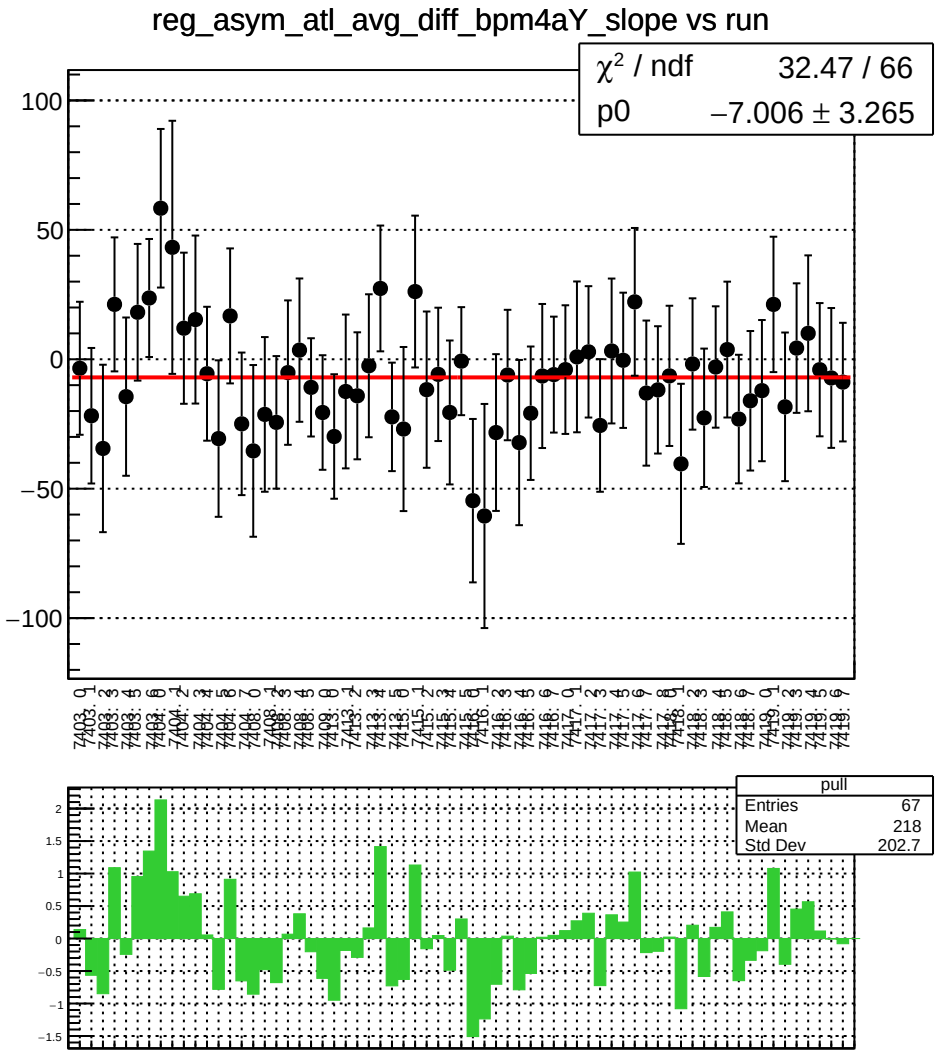

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 26.6 / 66
p0 181.2 ± 8.269
pull
Entries 67
Mean −1012
Std Dev 1027

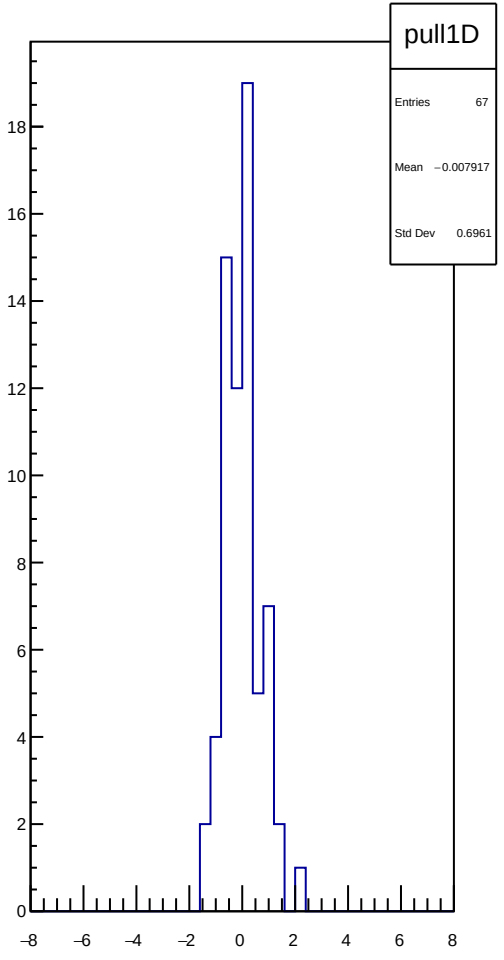

pull1D
Entries 67
Mean −0.001686
Std Dev 0.6301

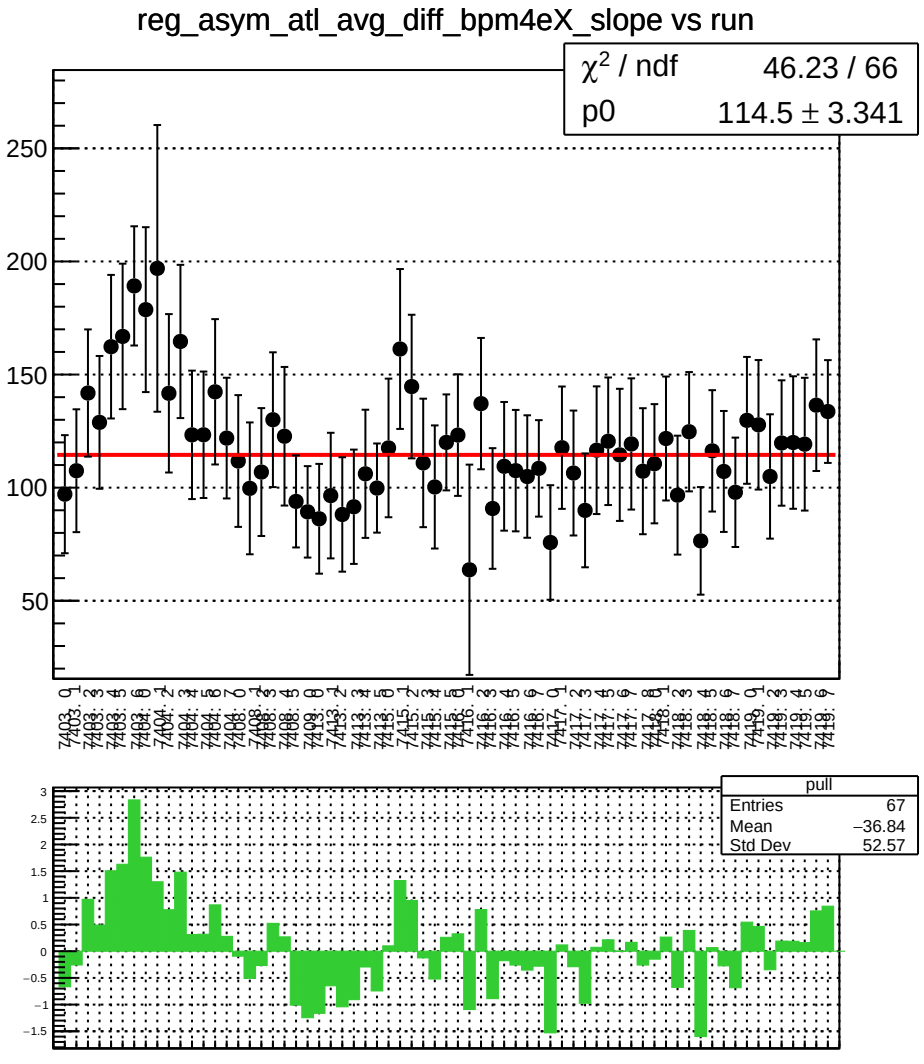

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 91.1 / 66
p0 −256.3 ± 0.3661
−245
−250
−255
−260
−265
−270
pull
Entries 67
Mean −1685
Std Dev 1716
pull1D
Entries 67
Mean 0.01103
Std Dev 1.166

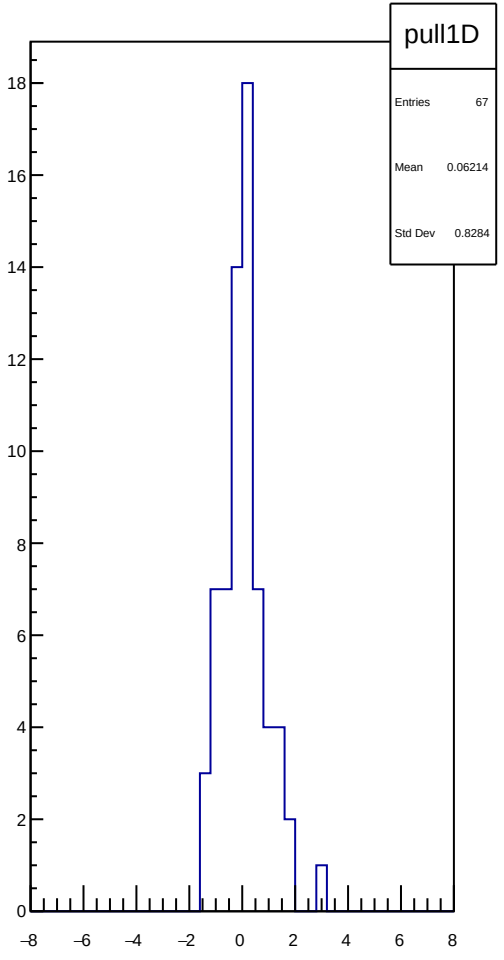

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 47.34 / 66
p0 −122.7 ± 3.215
pull
Entries 67
Mean −30.32
Std Dev 42.64

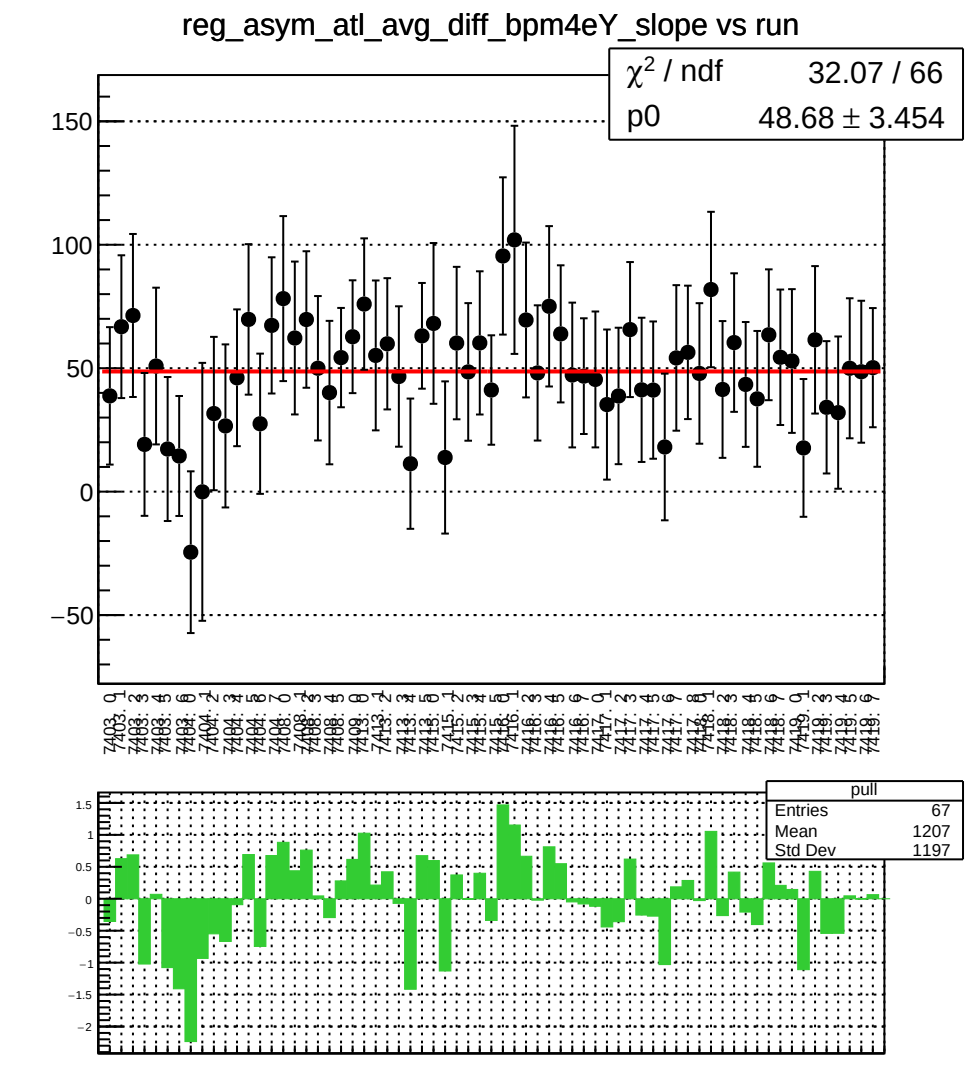

pull1D
Entries 67
Mean −0.06268
Std Dev 0.8383

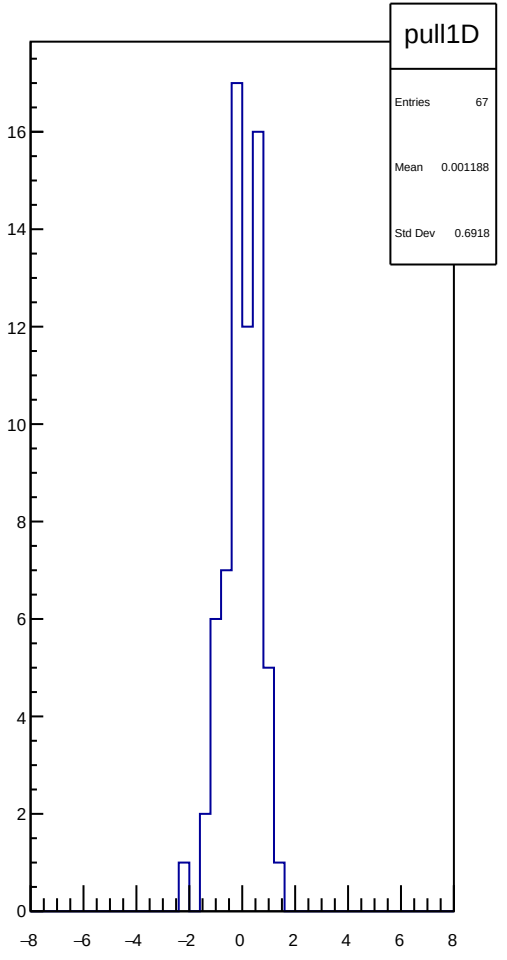

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.47 / 66
p0 −7.006 ± 3.265
pull
Entries 67
Mean 218
Std Dev 202.7

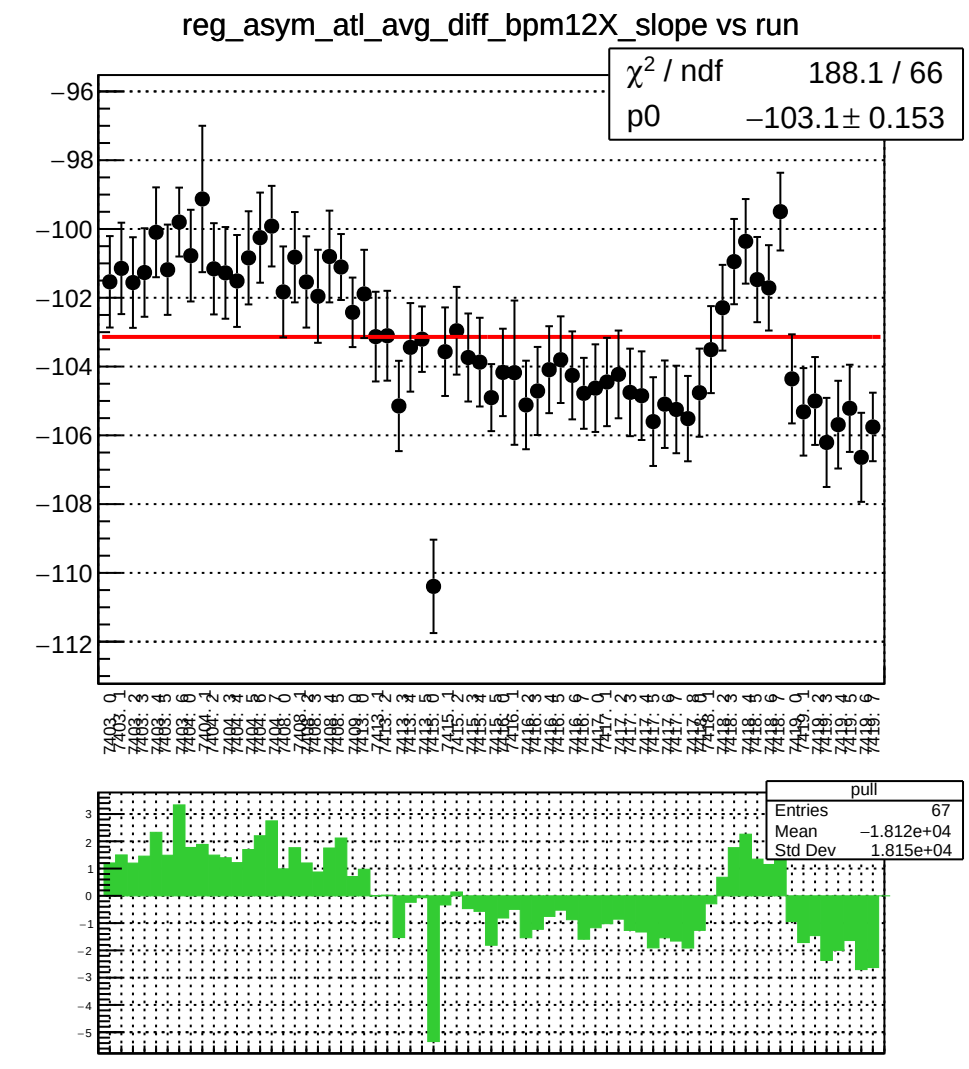

pull1D
Entries 67
Mean −0.007917
Std Dev 0.6961

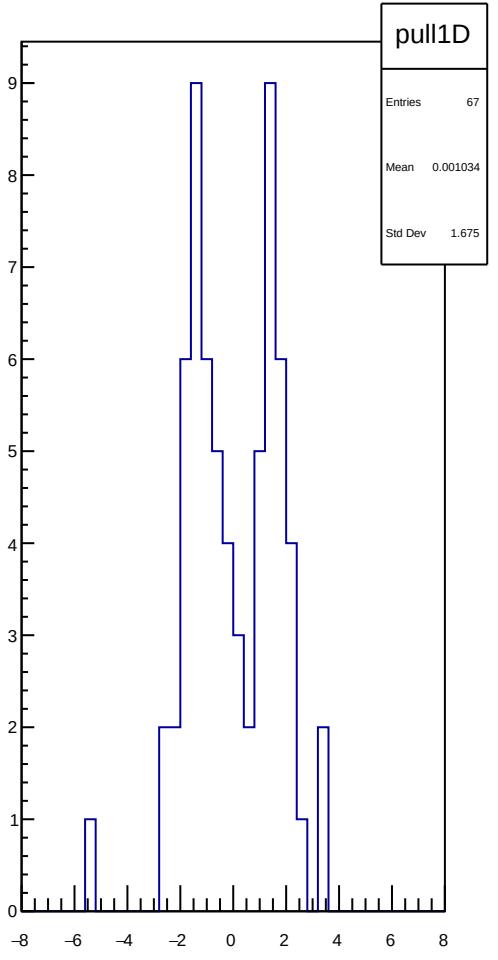

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.23 / 66
p0 114.5 ± 3.341
250
200
150
100
50
pull
Entries 67
Mean −36.84
Std Dev 52.57
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

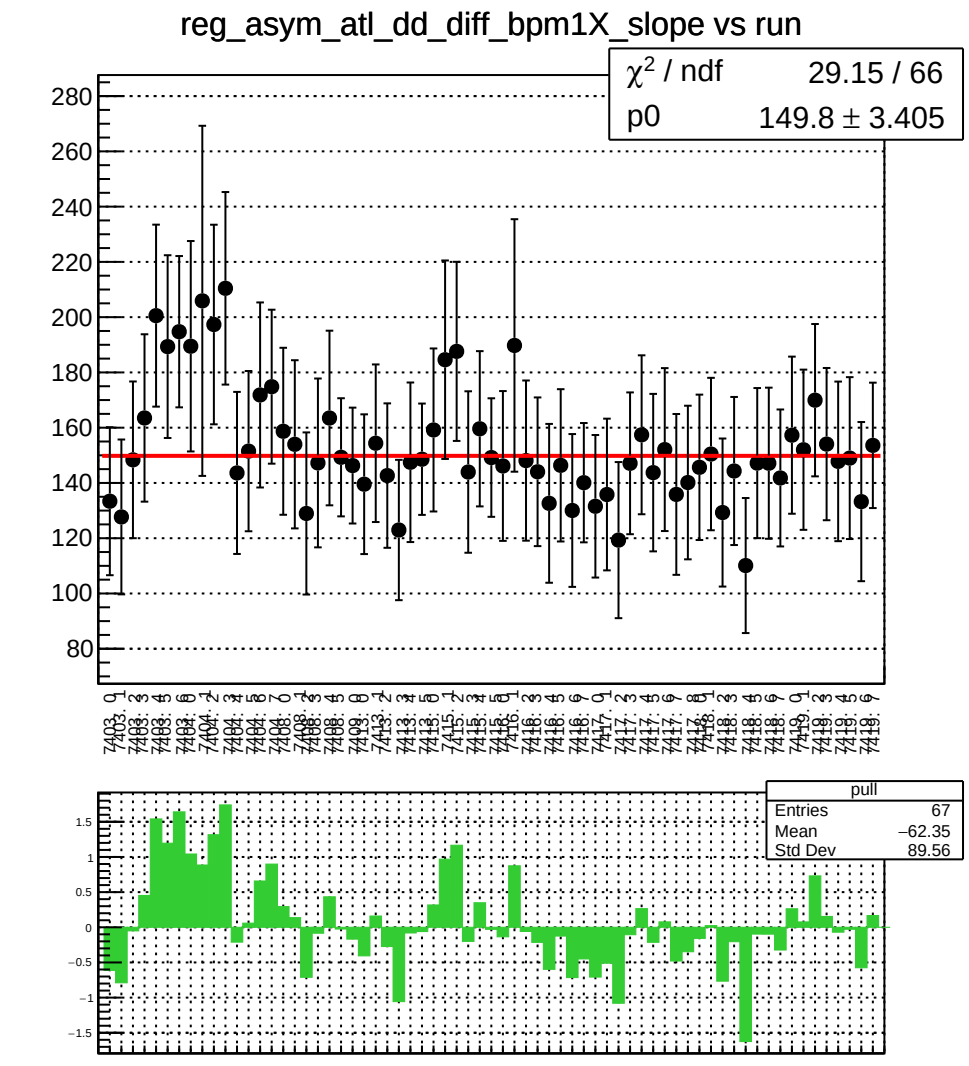

pull1D
Entries 67
Mean 0.06214
Std Dev 0.8284
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

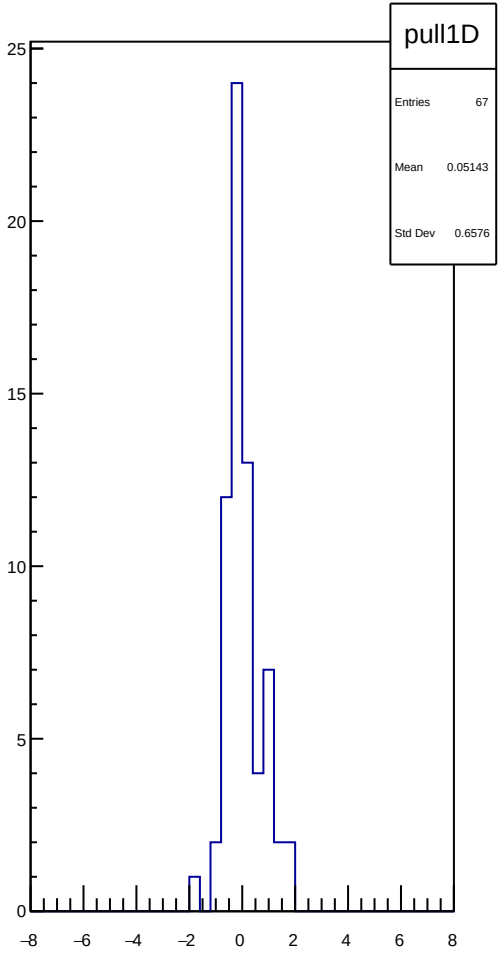

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.07 / 66
p0 48.68 ± 3.454
150
100
50
0
−50
pull
Entries 67
Mean 1207
Std Dev 1197
1.5
1
0.5
0
−0.5
−1
−1.5
−2

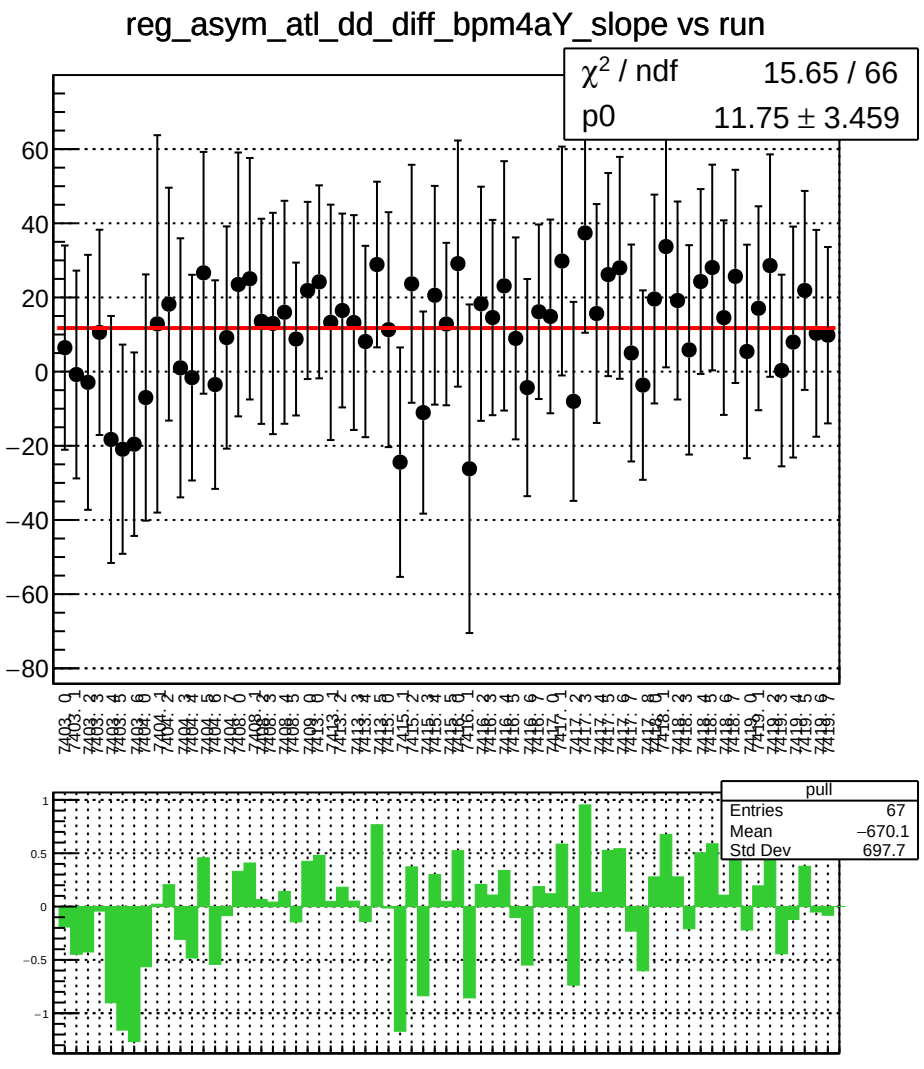

pull1D
Entries 67
Mean 0.001188
Std Dev 0.6918
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

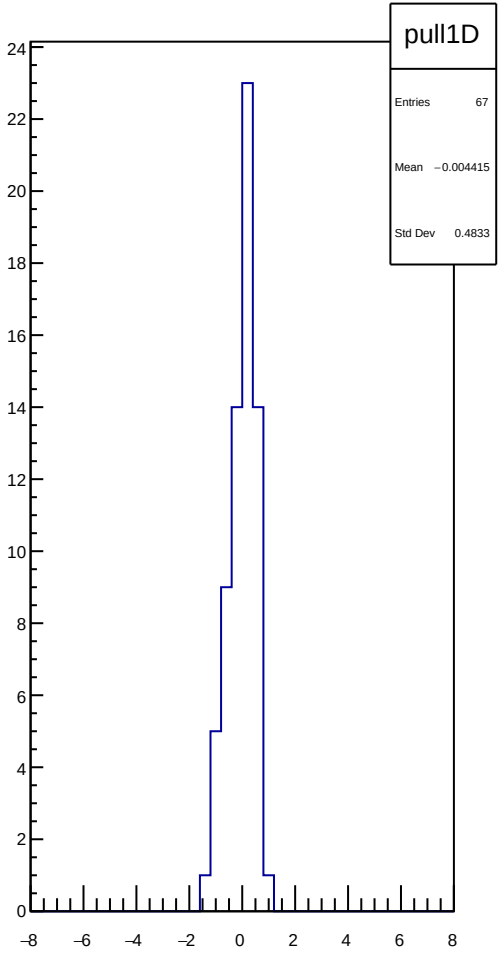

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 188.1 / 66
p0 −103.1 ± 0.153
pull
Entries 67
Mean −1.812e+04
Std Dev 1.815e+04

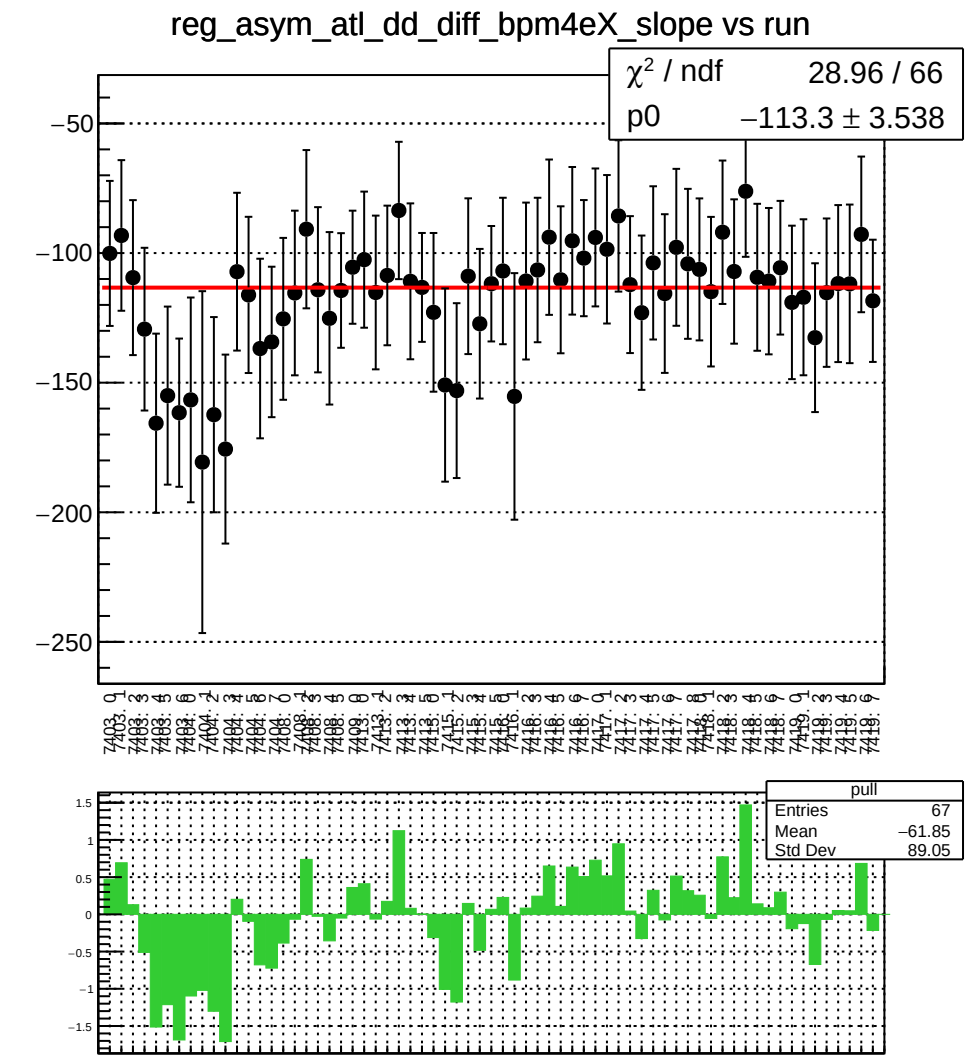

pull1D
Entries 67
Mean 0.001034
Std Dev 1.675

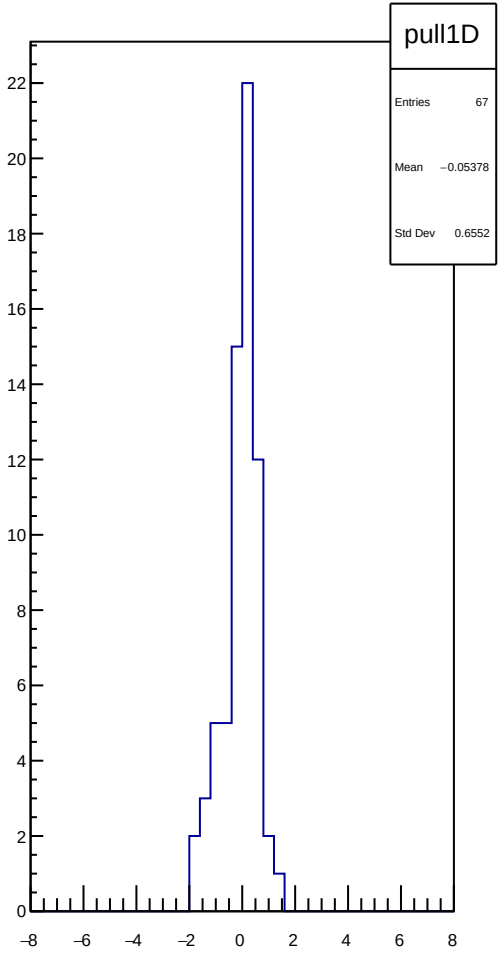

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 29.15 / 66
p0 149.8 ± 3.405
pull
Entries 67
Mean −62.35
Std Dev 89.56

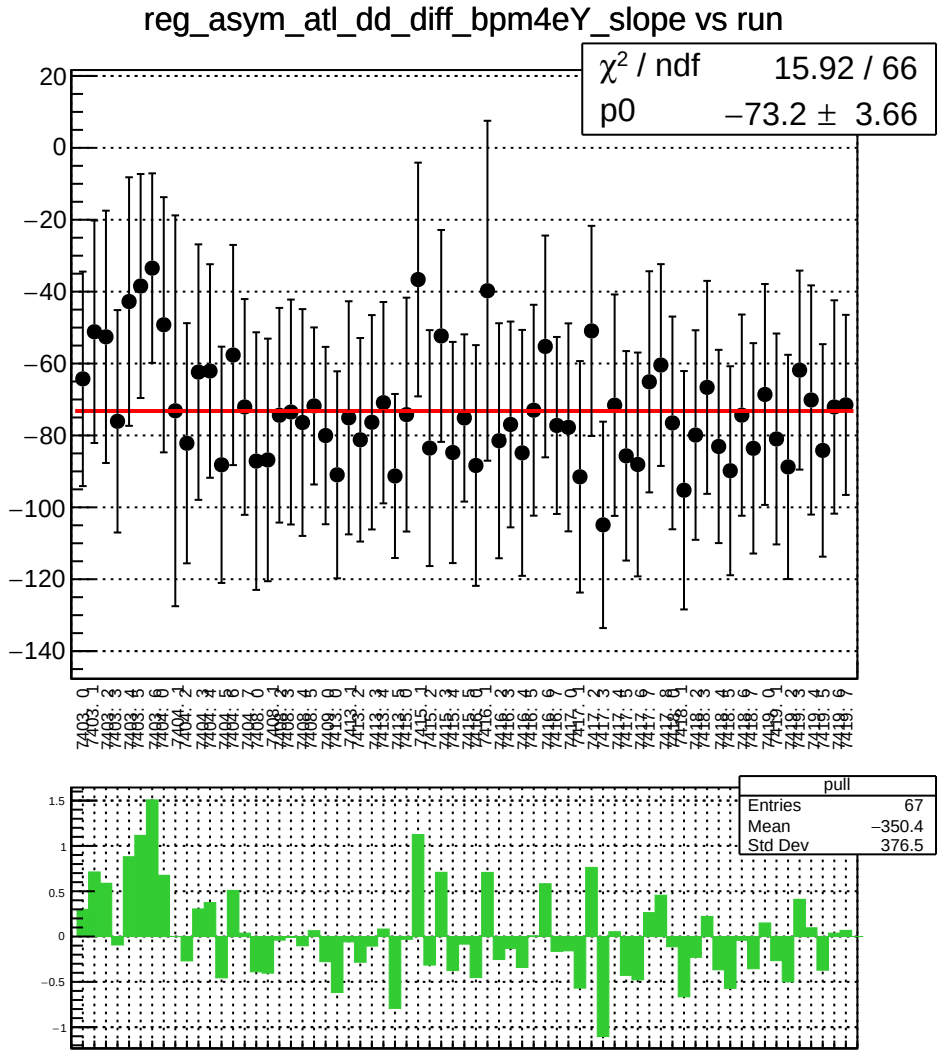

pull1D
Entries 67
Mean 0.05143
Std Dev 0.6576

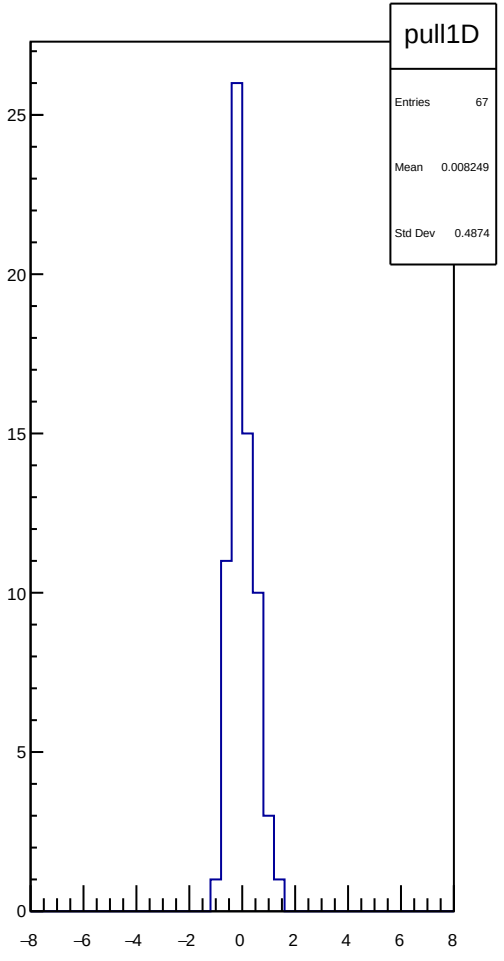

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.65 / 66
p0 11.75 ± 3.459
pull
Entries 67
Mean −670.1
Std Dev 697.7

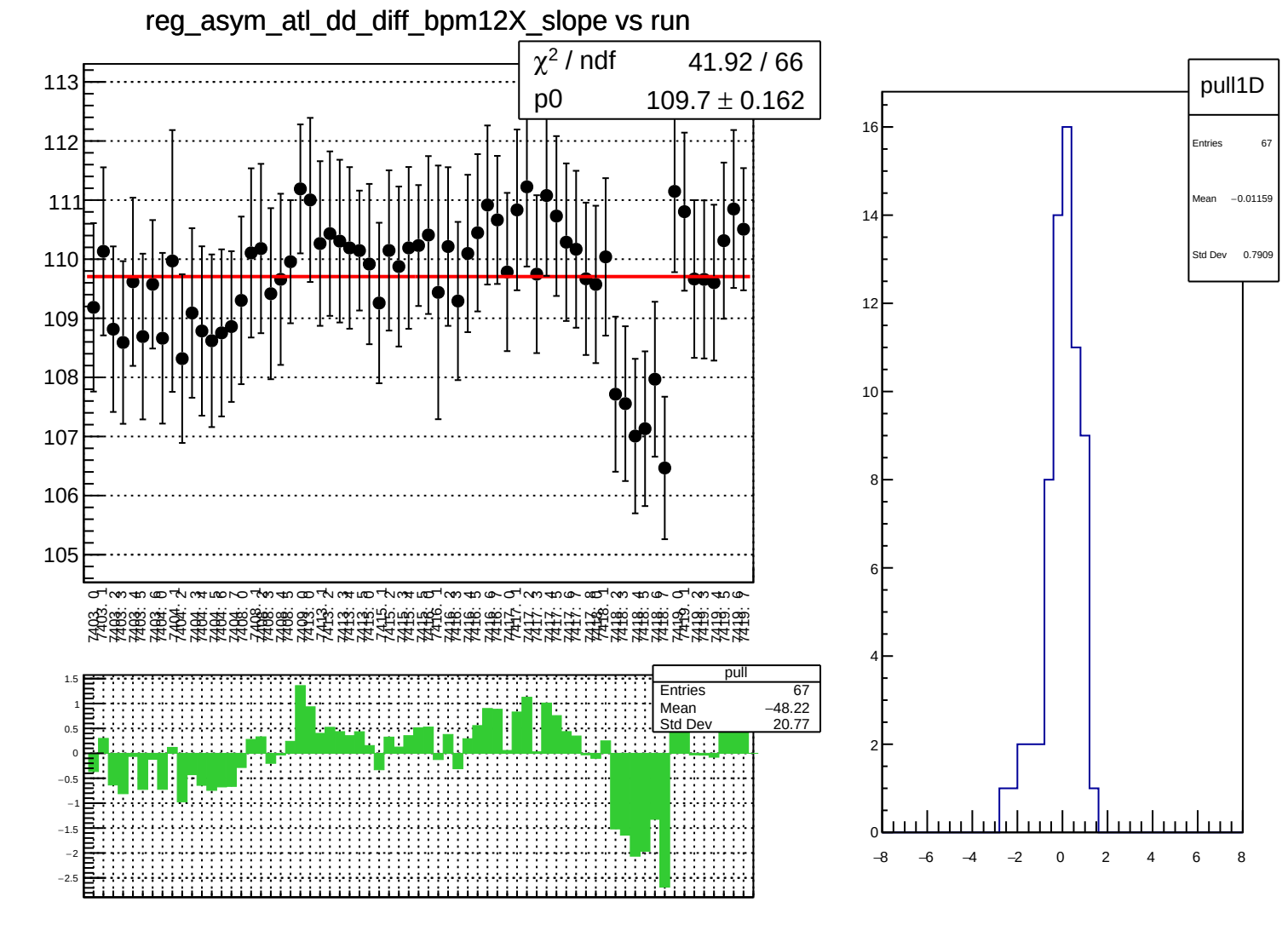

pull1D
Entries 67
Mean −0.004415
Std Dev 0.4833

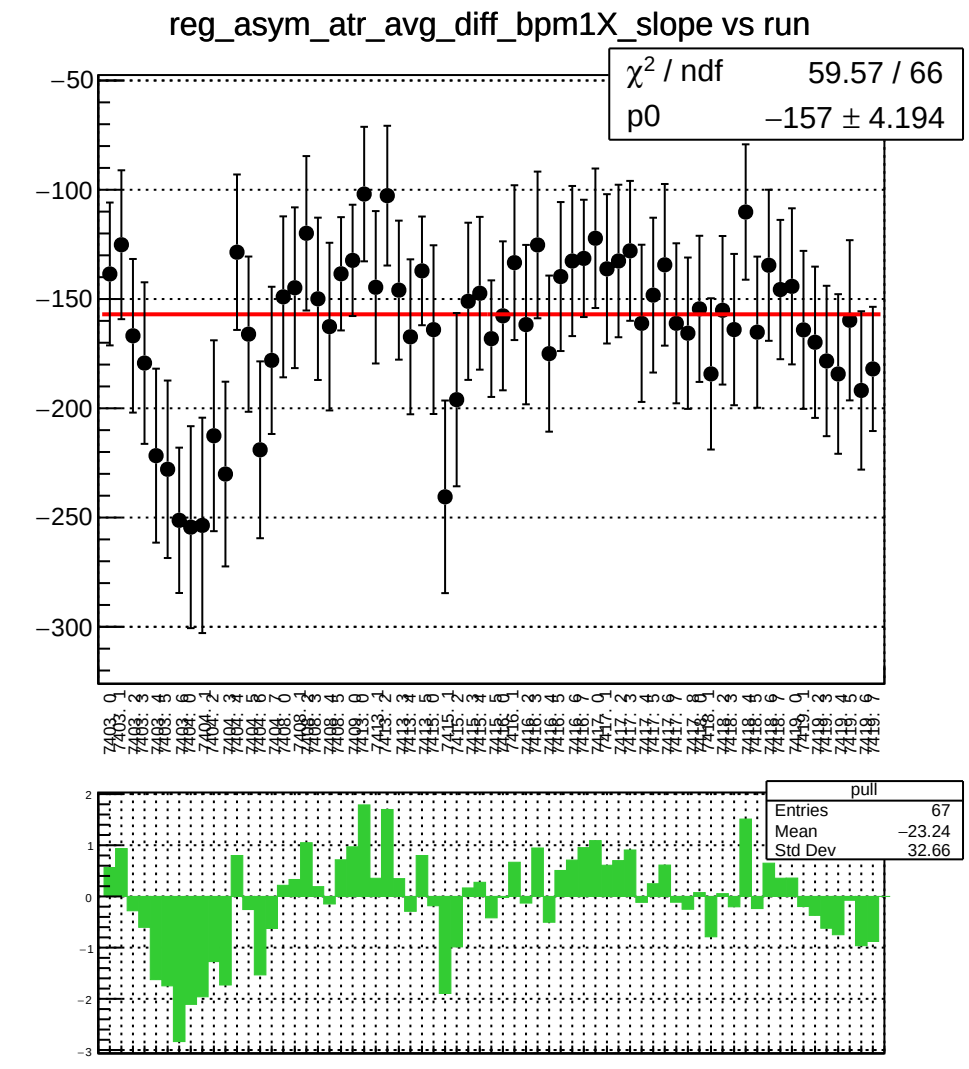

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.96 / 66
p0 −113.3 ± 3.538
−50
−100
−150
−200
−250
pull
Entries 67
Mean −61.85
Std Dev 89.05
1.5
1
0.5
0
−0.5
−1
−1.5

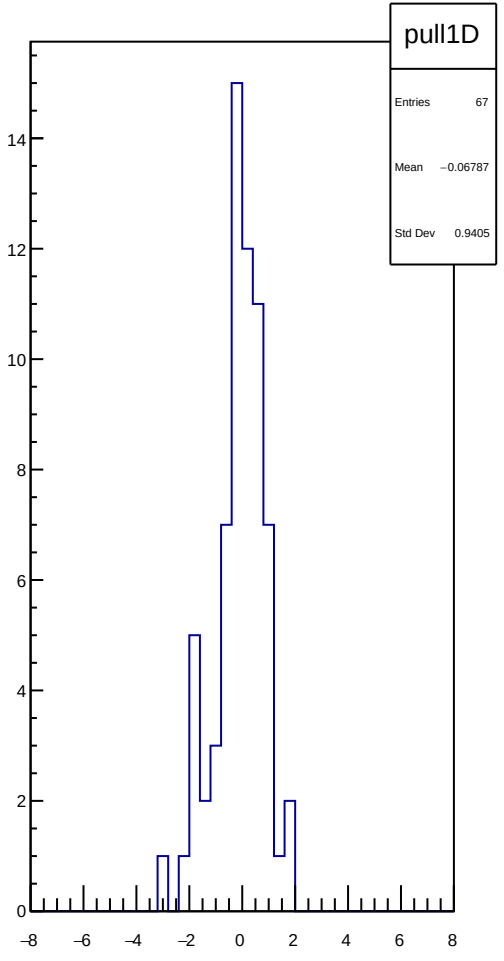

pull1D
Entries 67
Mean −0.05378
Std Dev 0.6552
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

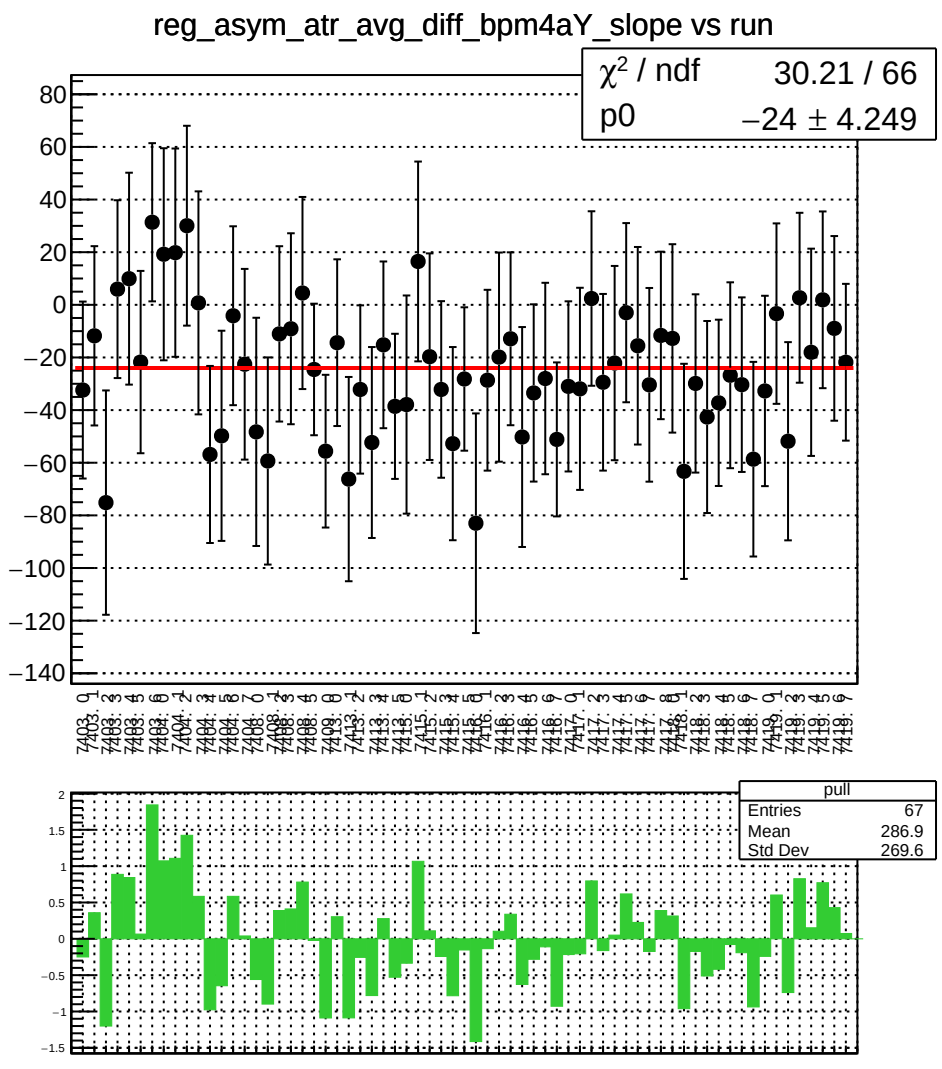

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.92 / 66
p0 −73.2 ± 3.66
pull
Entries 67
Mean −350.4
Std Dev 376.5

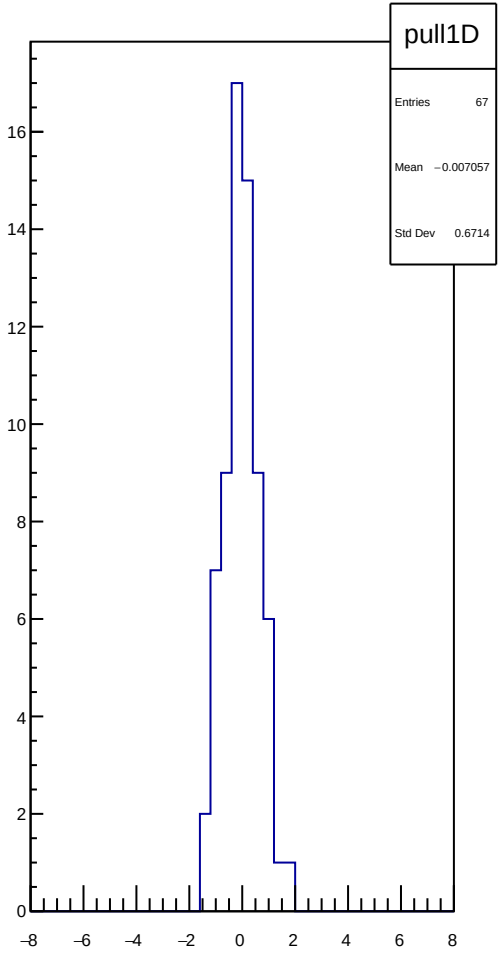

pull1D
Entries 67
Mean 0.008249
Std Dev 0.4874

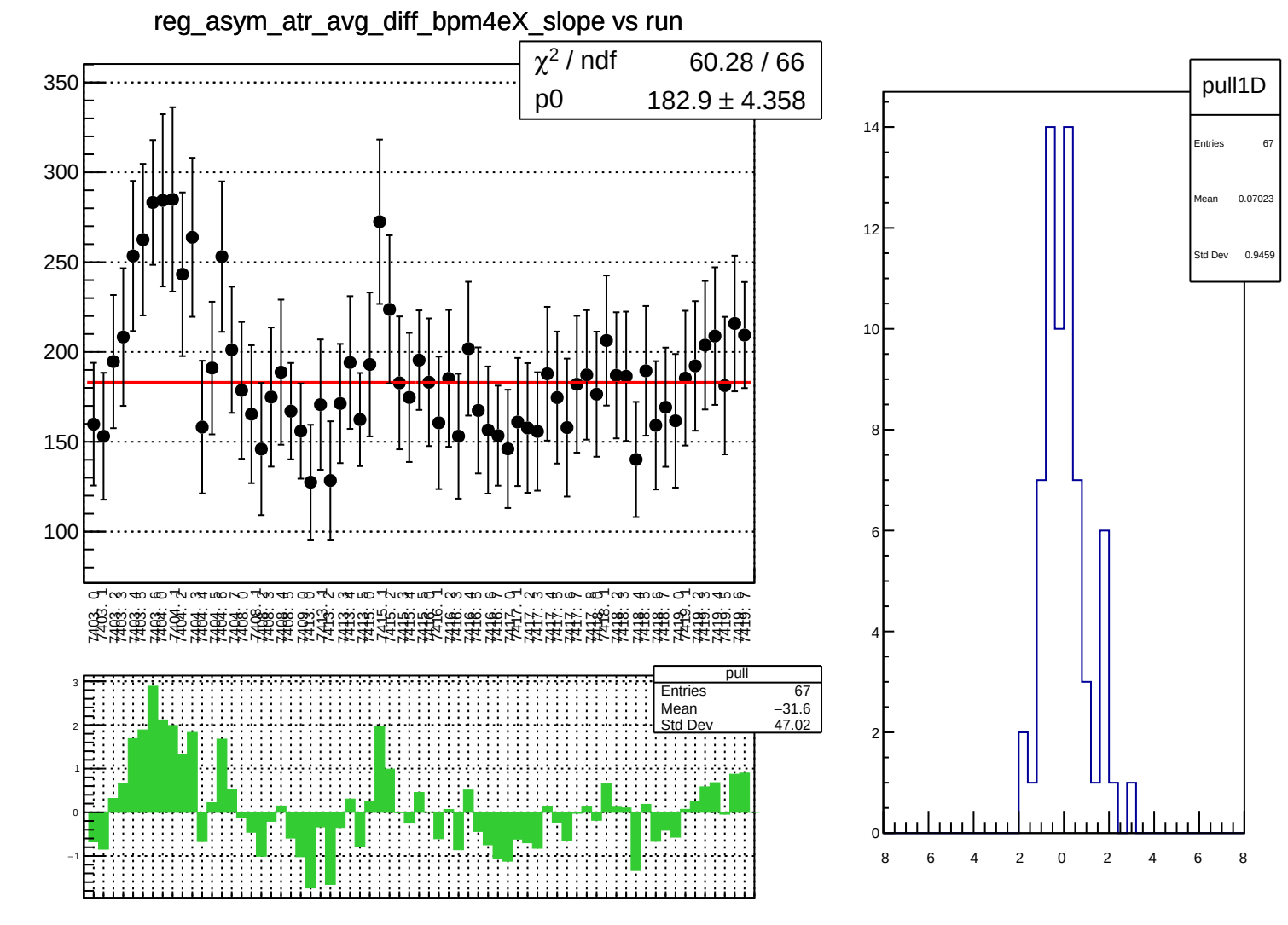

reg_asym_atl_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 41.92 / 66
p0 109.7 ± 0.162
pull
Entries 67
Mean −48.22
Std Dev 20.77
pull1D
Entries 67
Mean −0.01159
Std Dev 0.7909

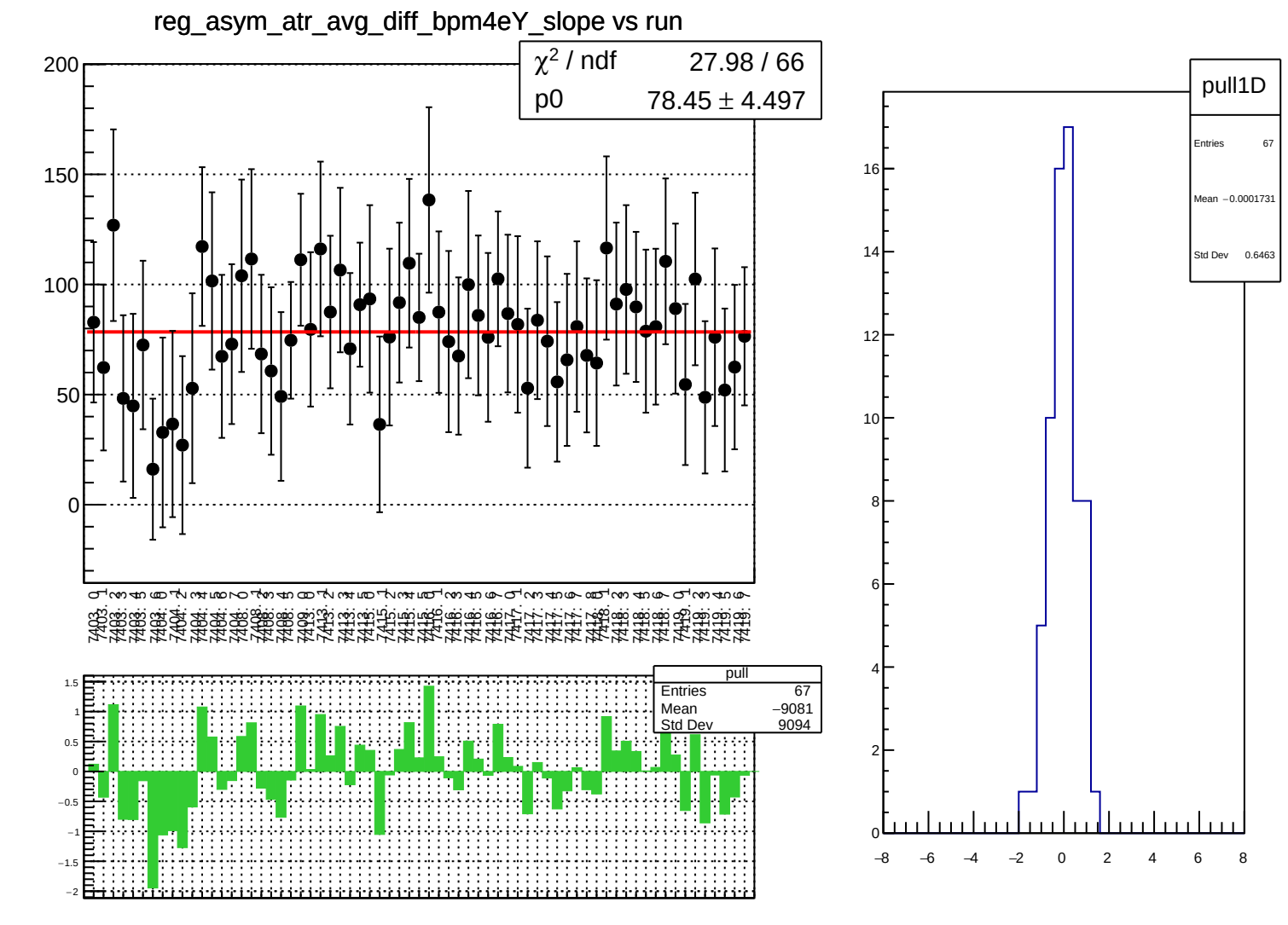

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 59.57 / 66
p0 −157 ± 4.194
pull
Entries 67
Mean −23.24
Std Dev 32.66

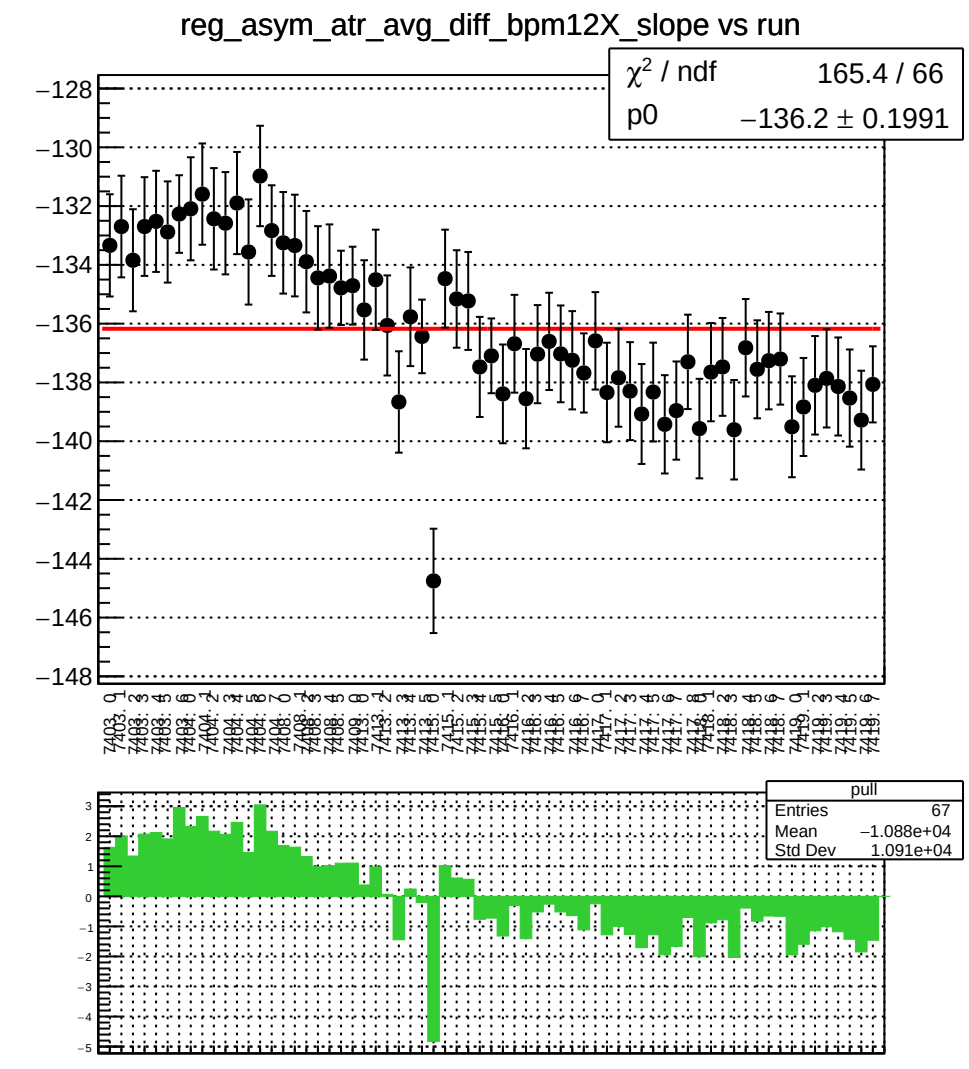

pull1D
Entries 67
Mean −0.06787
Std Dev 0.9405

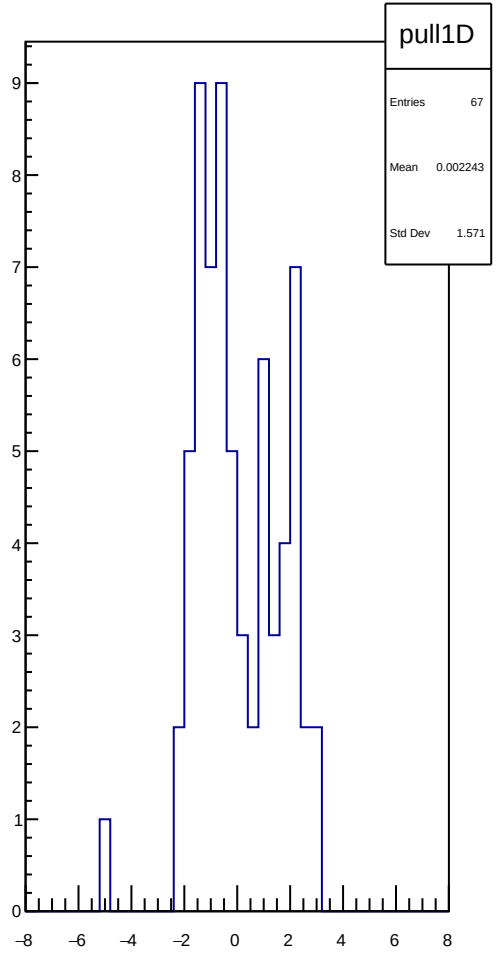

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.21 / 66
p0 −24 ± 4.249
pull
Entries 67
Mean 286.9
Std Dev 269.6

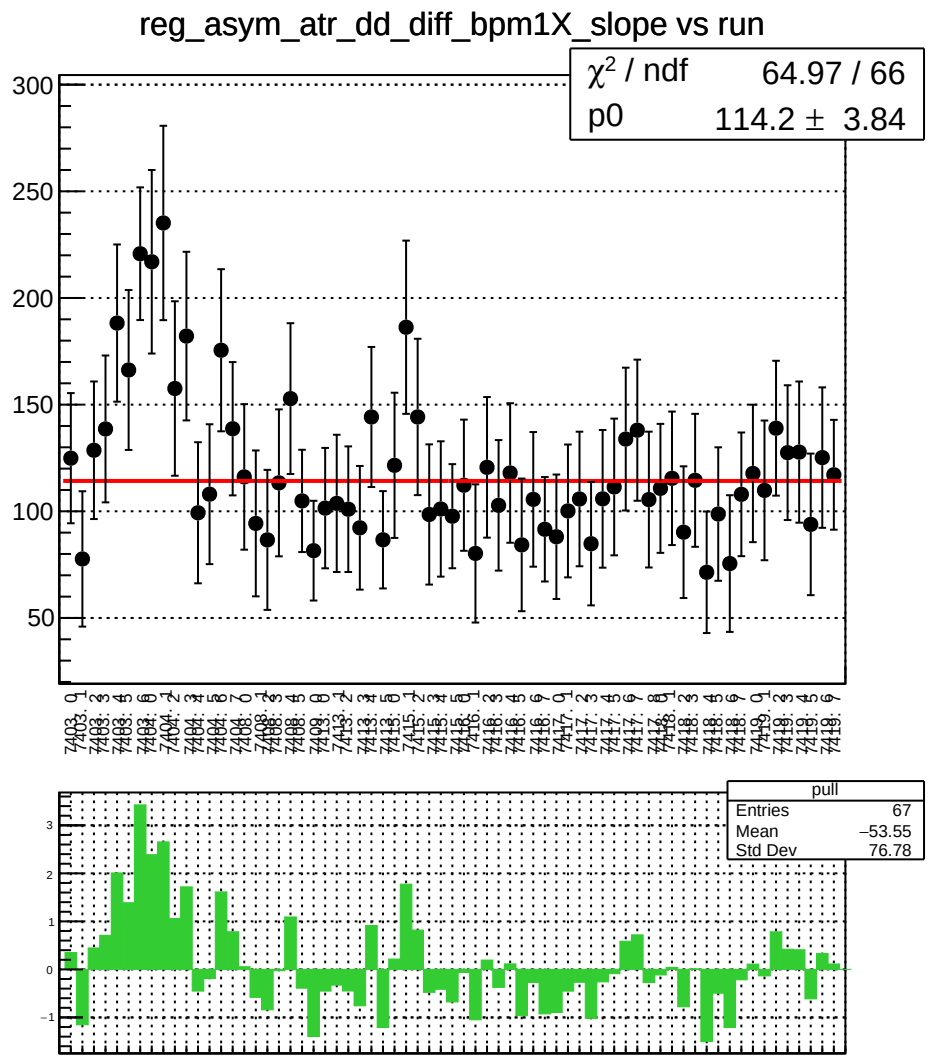

pull1D
Entries 67
Mean −0.007057
Std Dev 0.6714

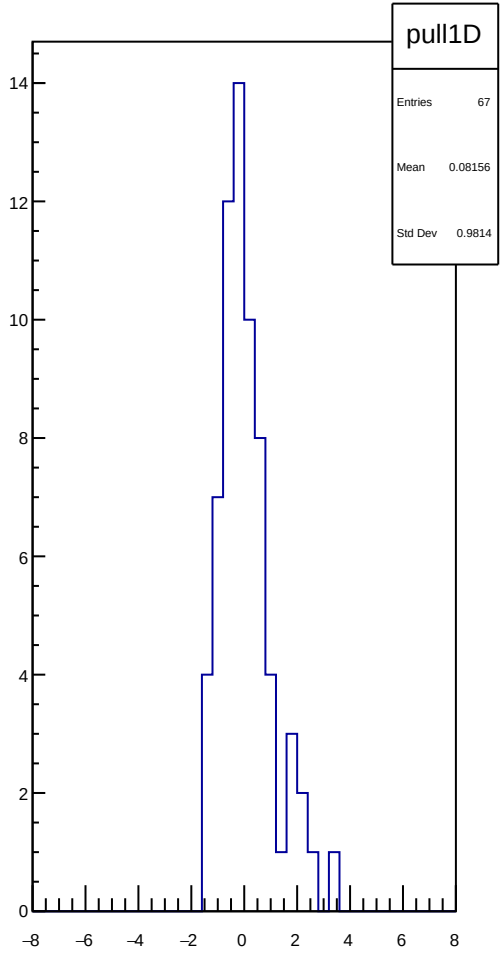

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.28 / 66
p0 182.9 ± 4.358
pull
Entries 67
Mean −31.6
Std Dev 47.02
pull1D
Entries 67
Mean 0.07023
Std Dev 0.9459

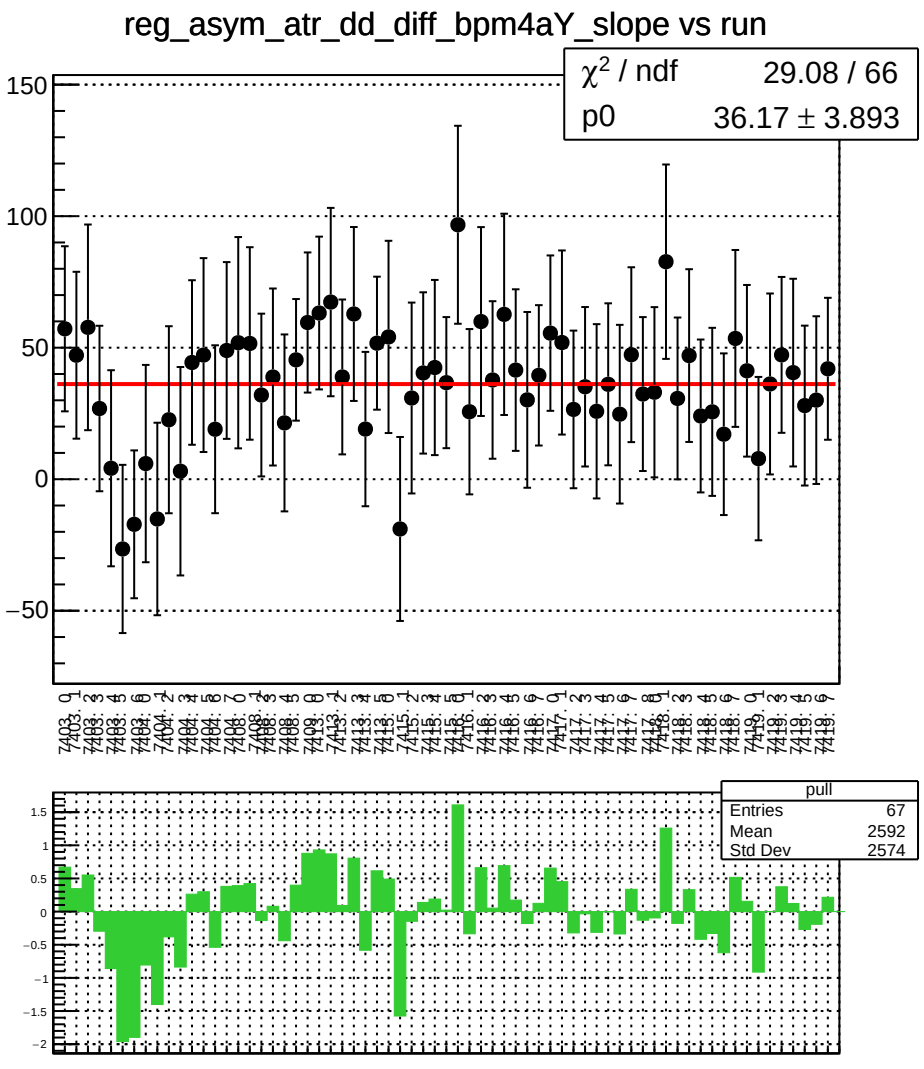

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.98 / 66
p0 78.45 ± 4.497
200
150
100
50
0
pull
Entries 67
Mean −9081
Std Dev 9094
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 67
Mean −0.0001731
Std Dev 0.6463
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

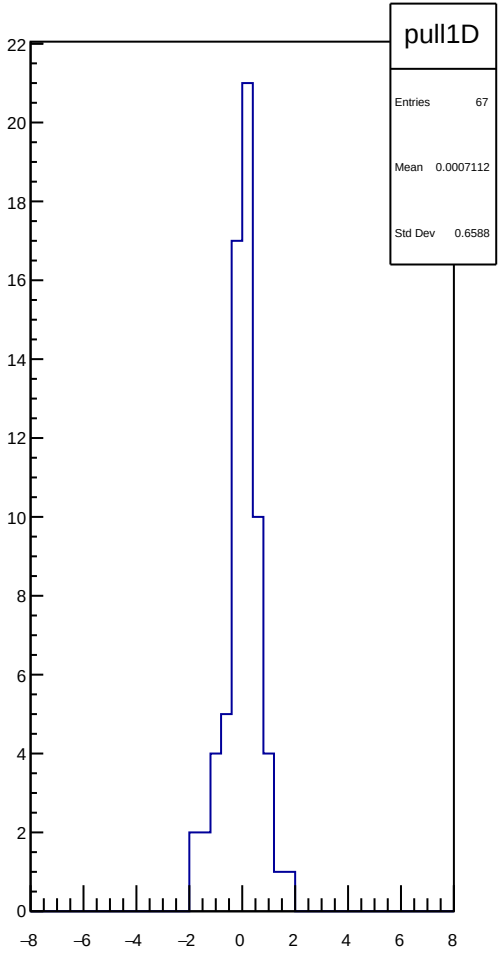

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 165.4 / 66
p0 −136.2 ± 0.1991
pull
Entries 67
Mean −1.088e+04
Std Dev 1.091e+04

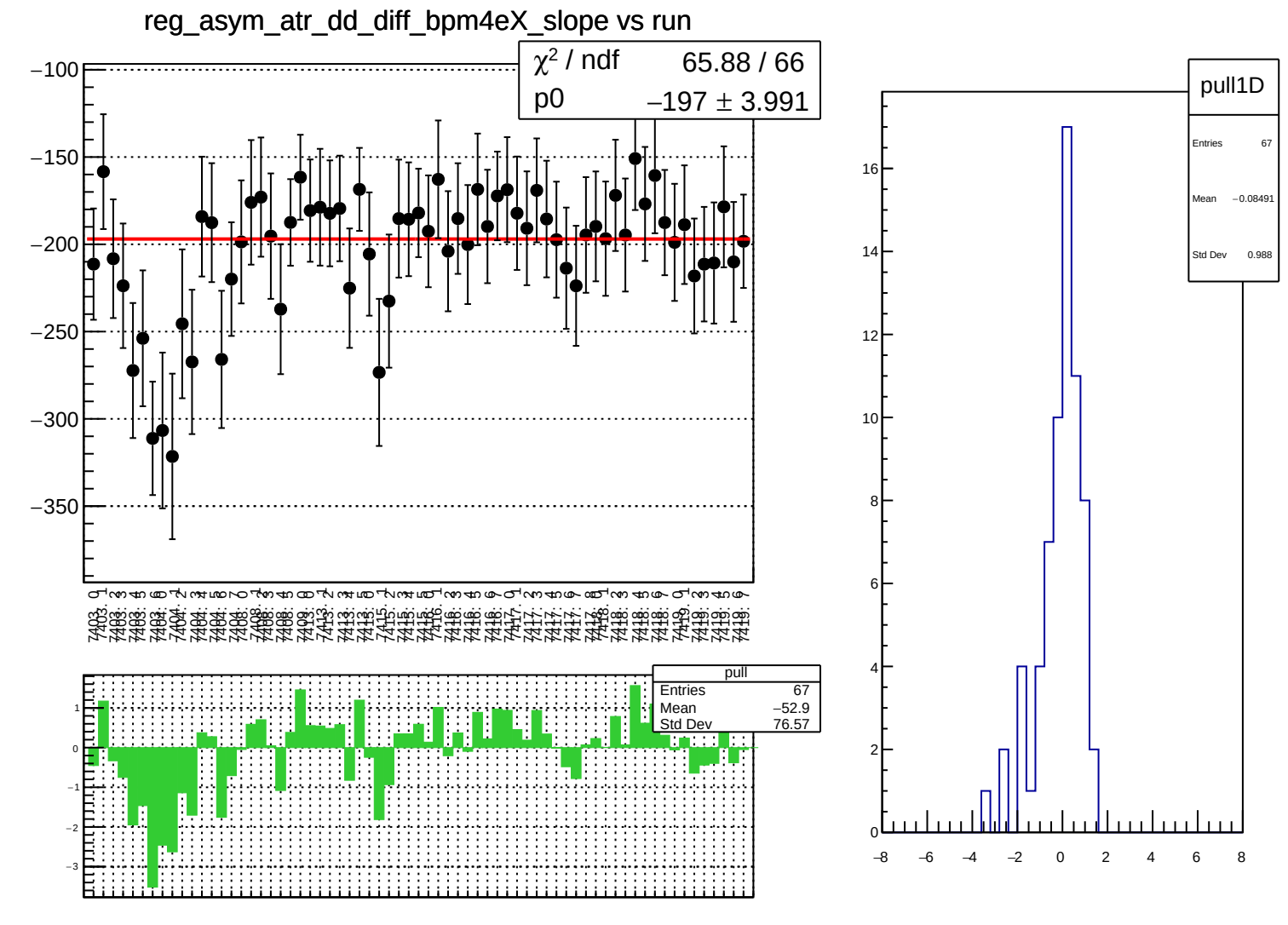

pull1D
Entries 67
Mean 0.002243
Std Dev 1.571

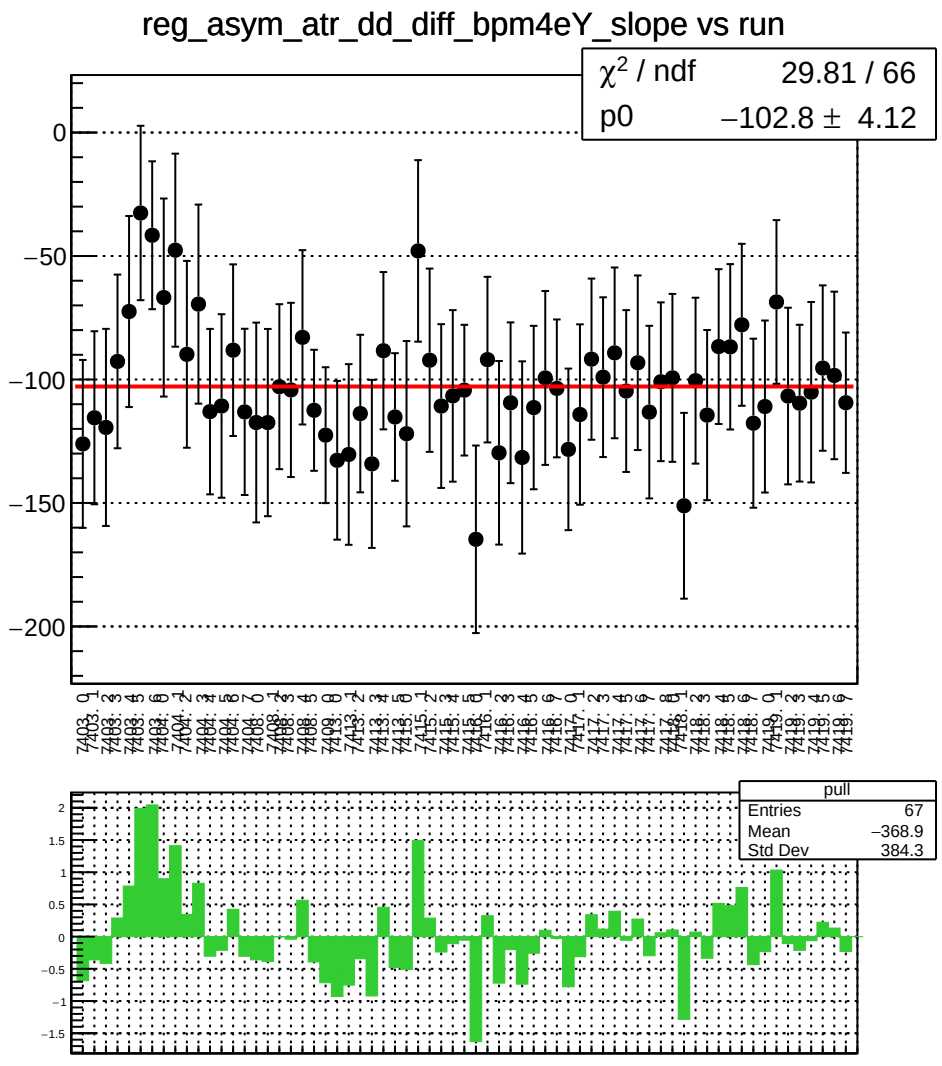

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 64.97 / 66
p0 114.2 ± 3.84
300
250
200
150
100
50
pull
Entries 67
Mean −53.55
Std Dev 76.78
3
2
1
0
−1

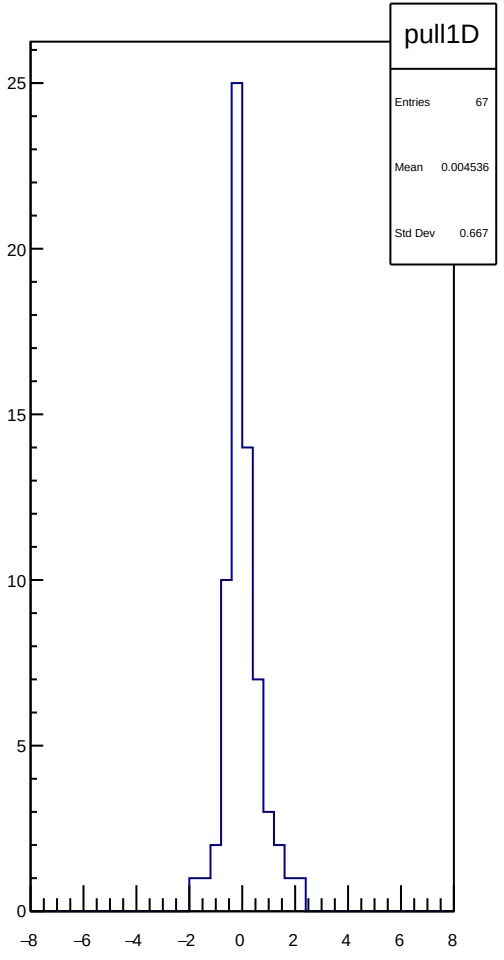

pull1D
Entries 67
Mean 0.08156
Std Dev 0.9814
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

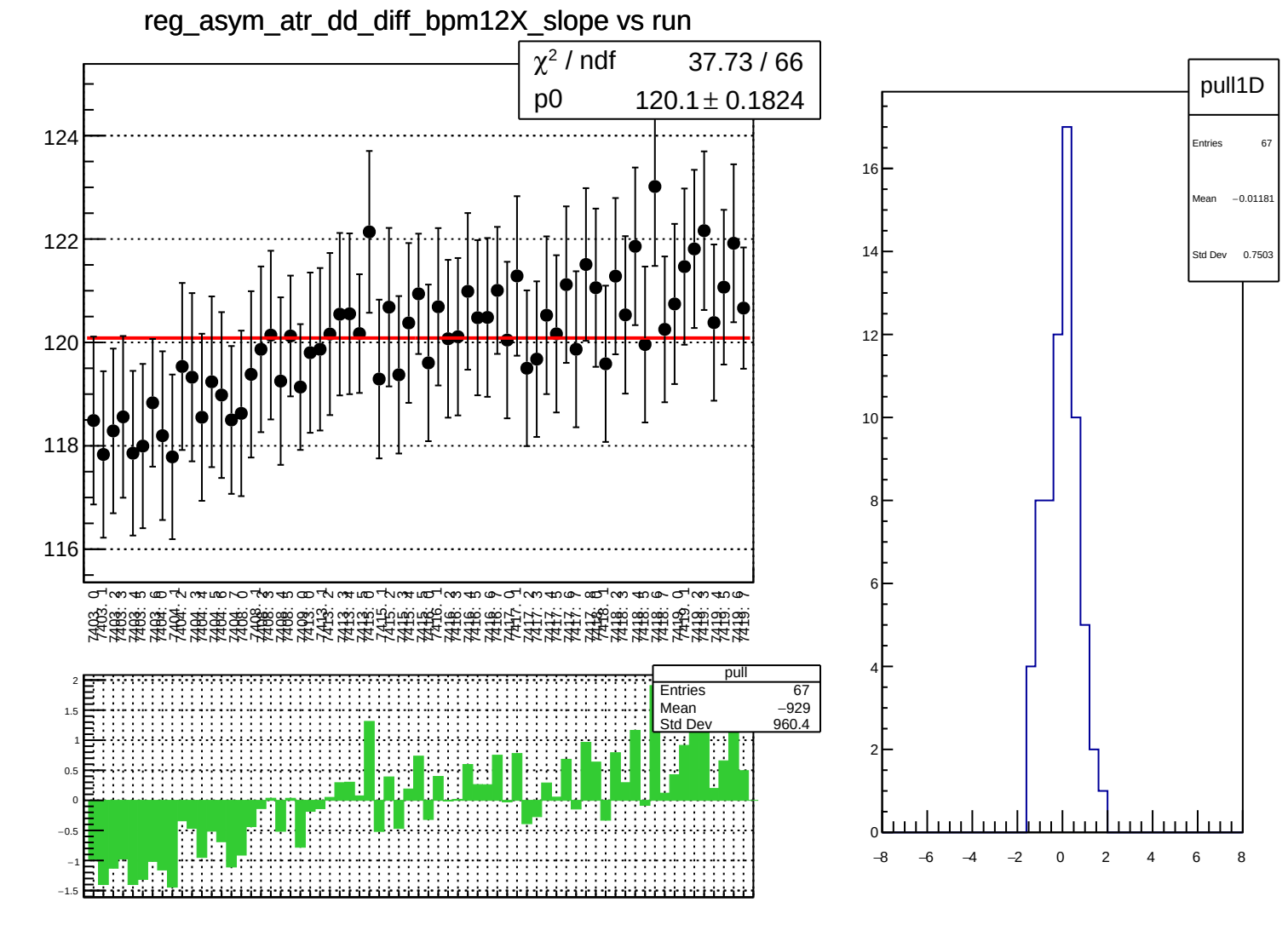

reg_asym_atr_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 29.08 / 66
p0 36.17 ± 3.893
150
100
50
0
−50
pull
Entries 67
Mean 2592
Std Dev 2574
1.5
1
0.5
0
−0.5
−1
−1.5
−2

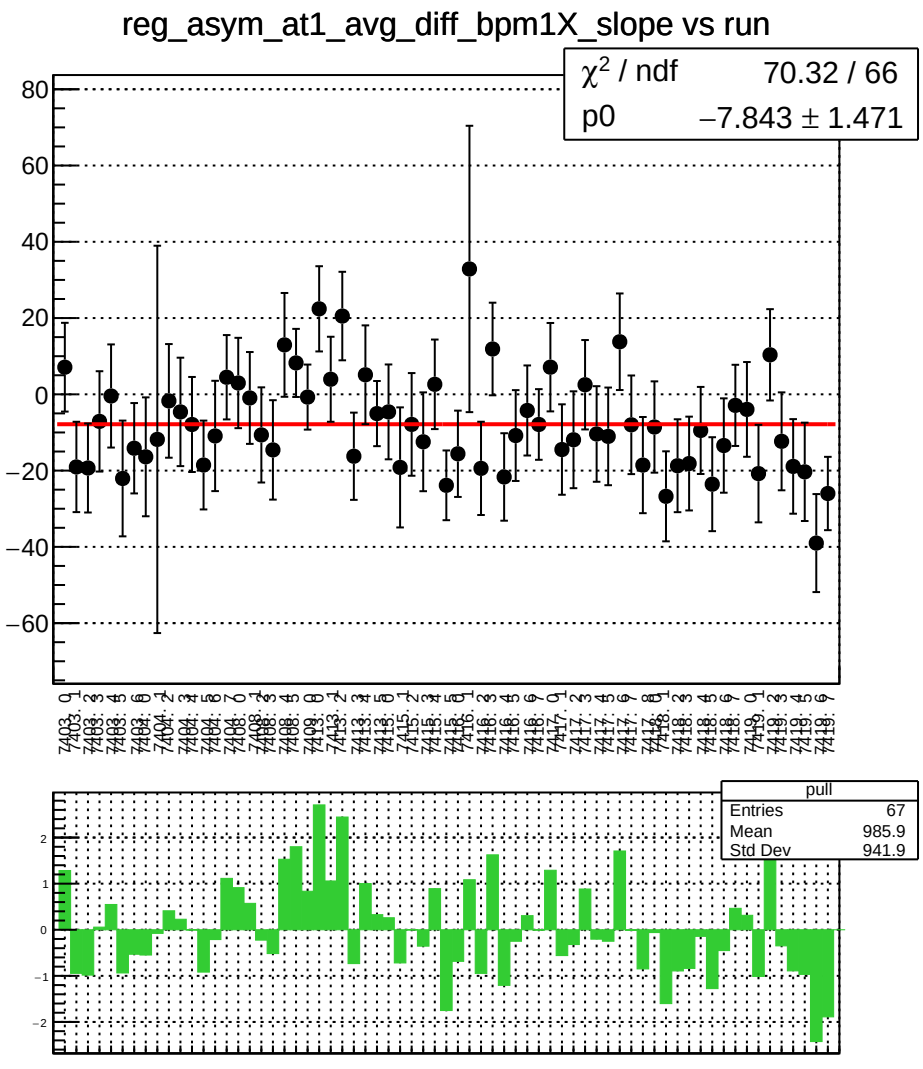

pull1D
Entries 67
Mean 0.0007112
Std Dev 0.6588
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

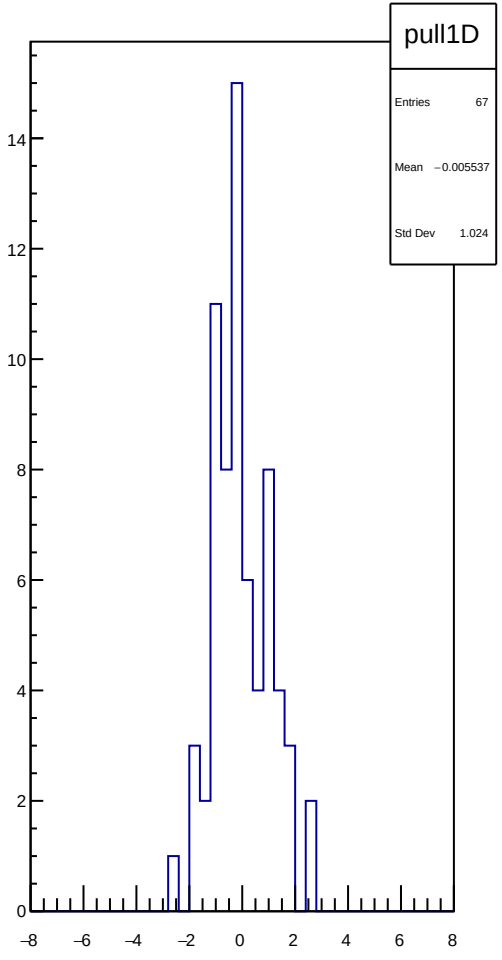

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.88 / 66
p0 −197 ± 3.991
pull
Entries 67
Mean −52.9
Std Dev 76.57
pull1D
Entries 67
Mean −0.08491
Std Dev 0.988

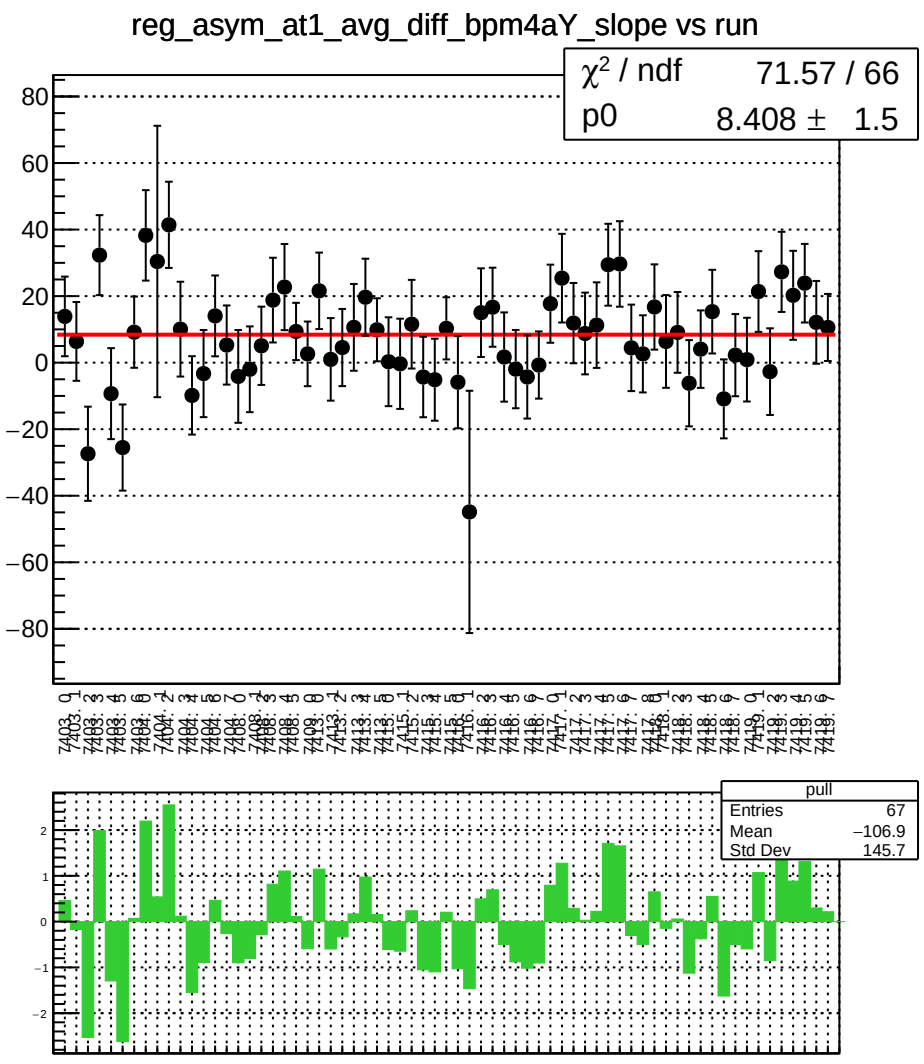

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.81 / 66
p0 −102.8 ± 4.12
pull
Entries 67
Mean −368.9
Std Dev 384.3

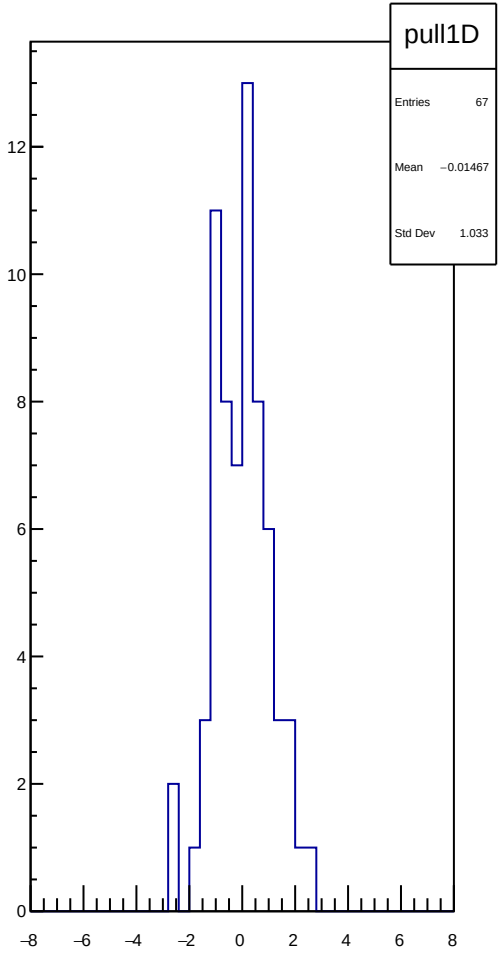

pull1D
Entries 67
Mean 0.004536
Std Dev 0.667

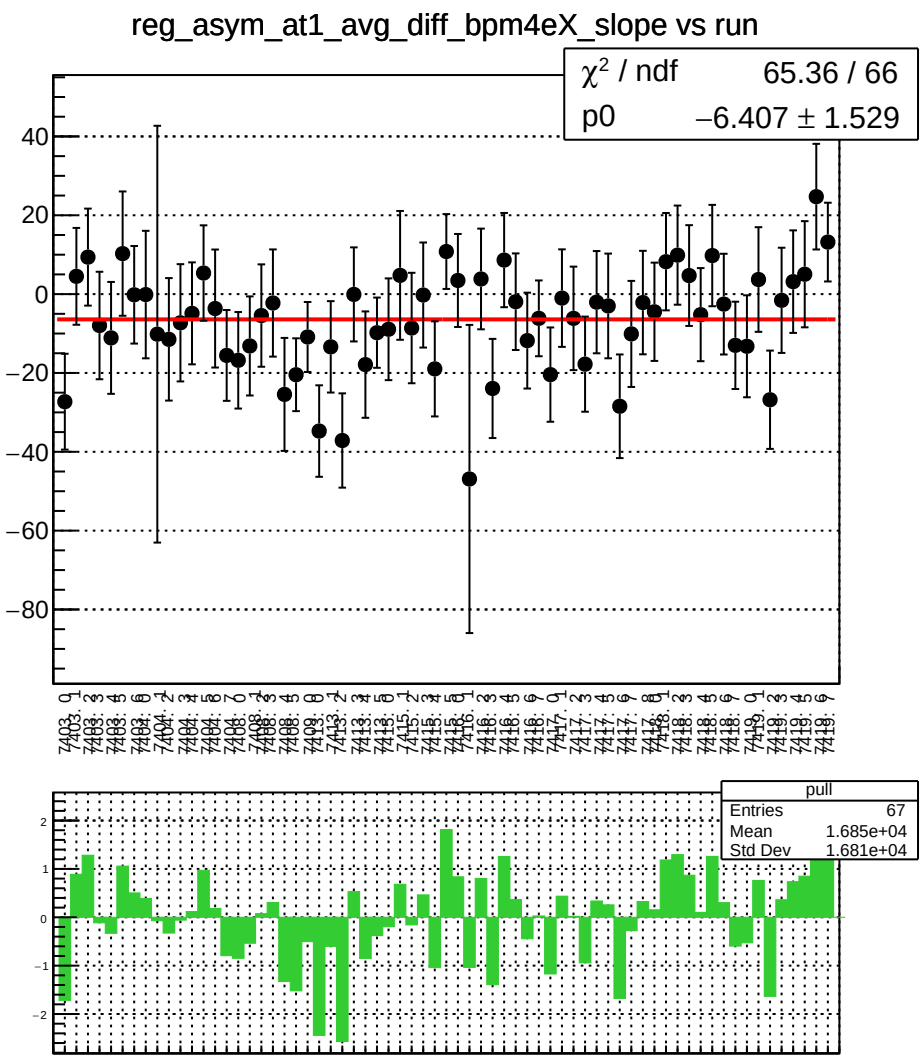

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 37.73 / 66
p0 120.1 ± 0.1824
124
122
120
118
116
pull
Entries 67
Mean −929
Std Dev 960.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 67
Mean −0.01181
Std Dev 0.7503
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

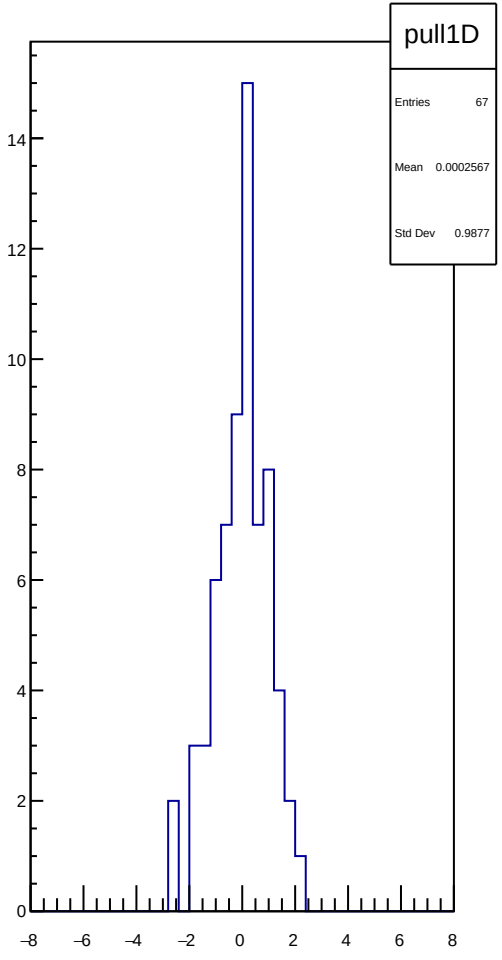

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 70.32 / 66
p0 −7.843 ± 1.471
pull
Entries 67
Mean 985.9
Std Dev 941.9

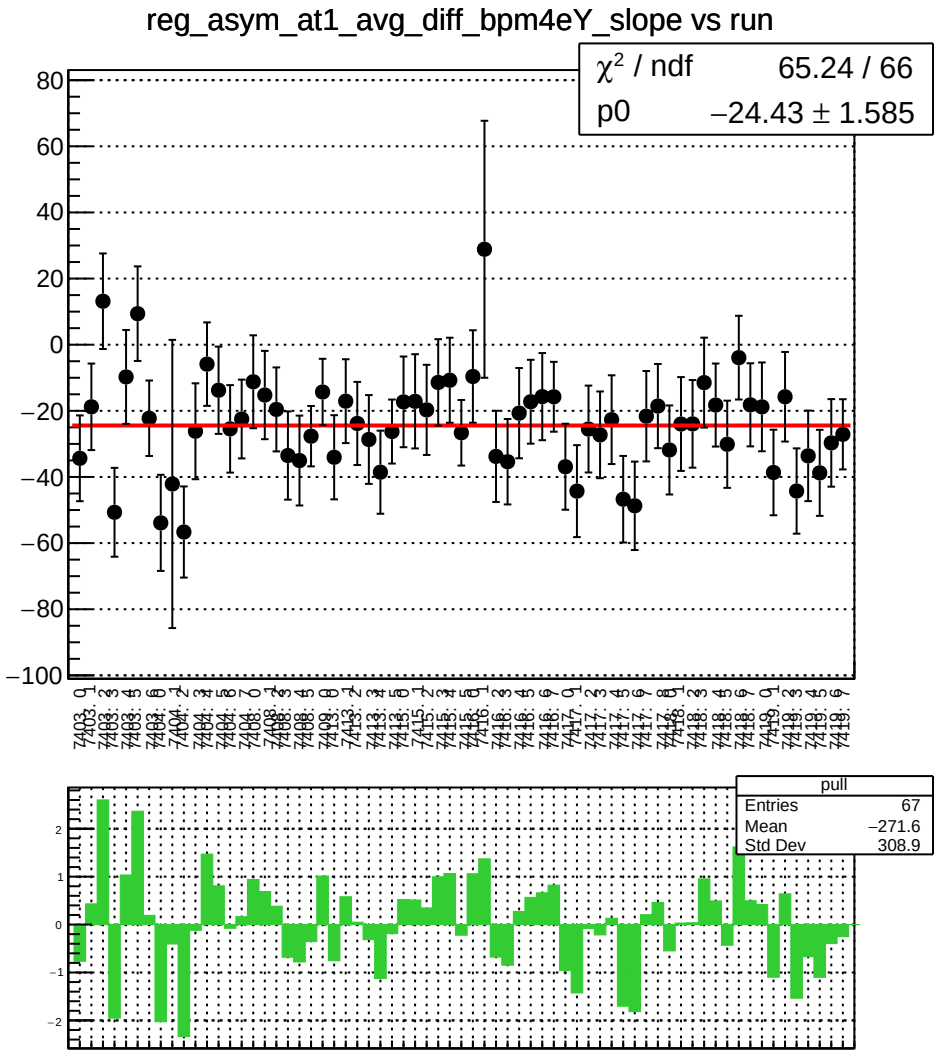

pull1D
Entries 67
Mean −0.005537
Std Dev 1.024

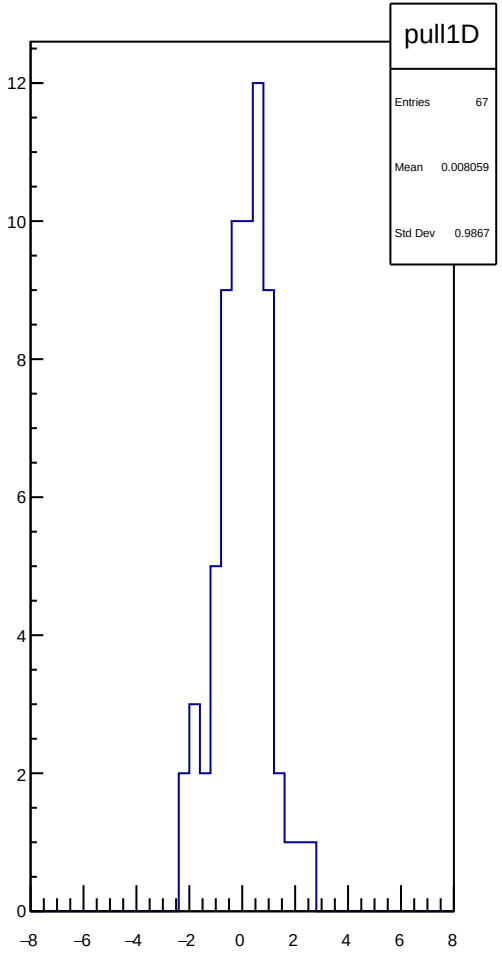

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 71.57 / 66
p0 8.408 ± 1.5
pull
Entries 67
Mean −106.9
Std Dev 145.7


pull1D
Entries 67
Mean −0.01467
Std Dev 1.033

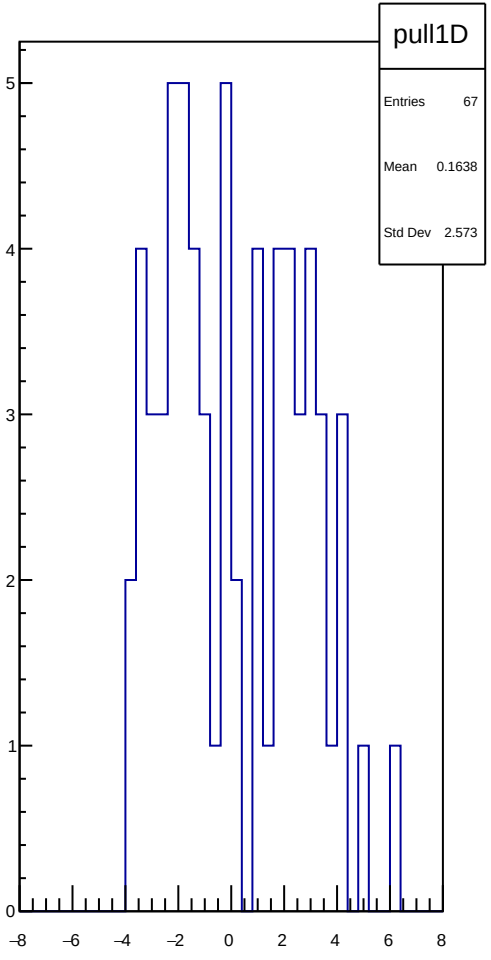

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.36 / 66
p0 −6.407 ± 1.529
pull
Entries 67
Mean 1.685e+04
Std Dev 1.681e+04

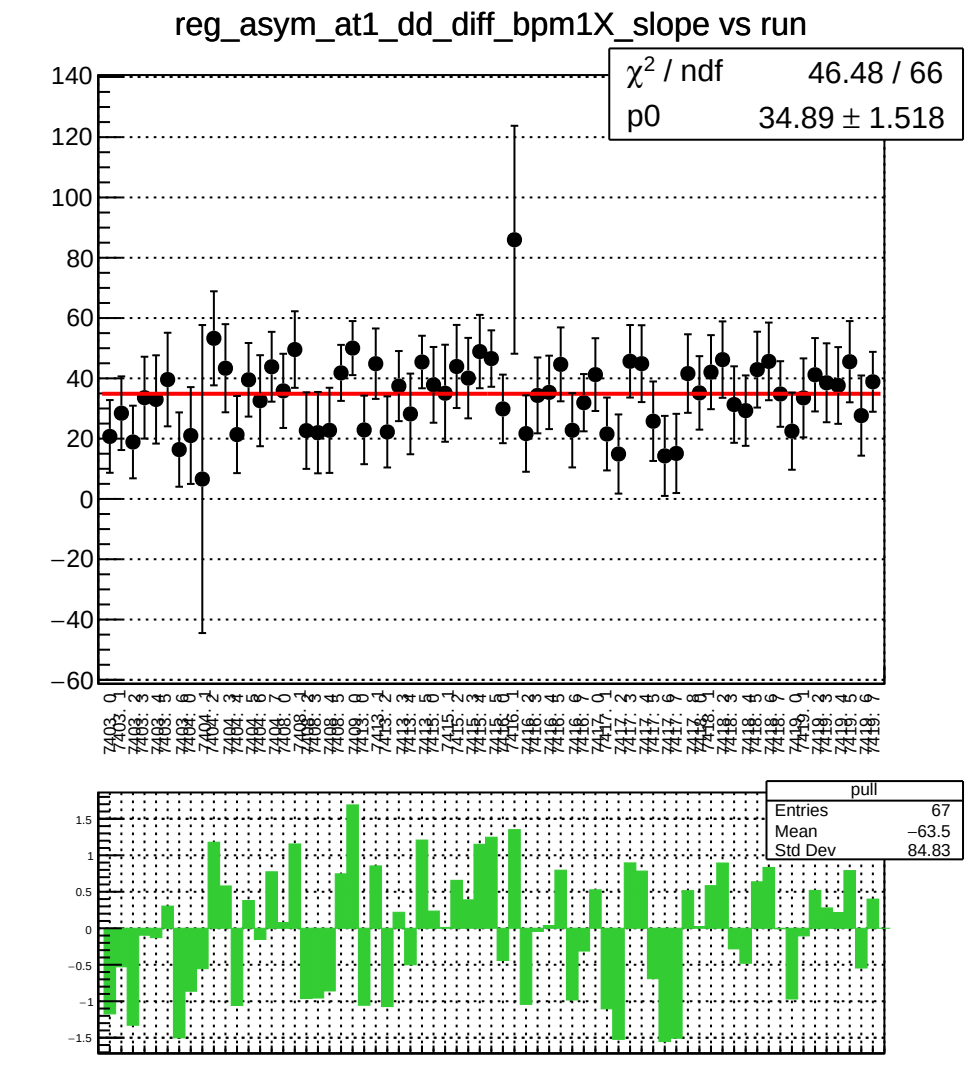

pull1D
Entries 67
Mean 0.0002567
Std Dev 0.9877

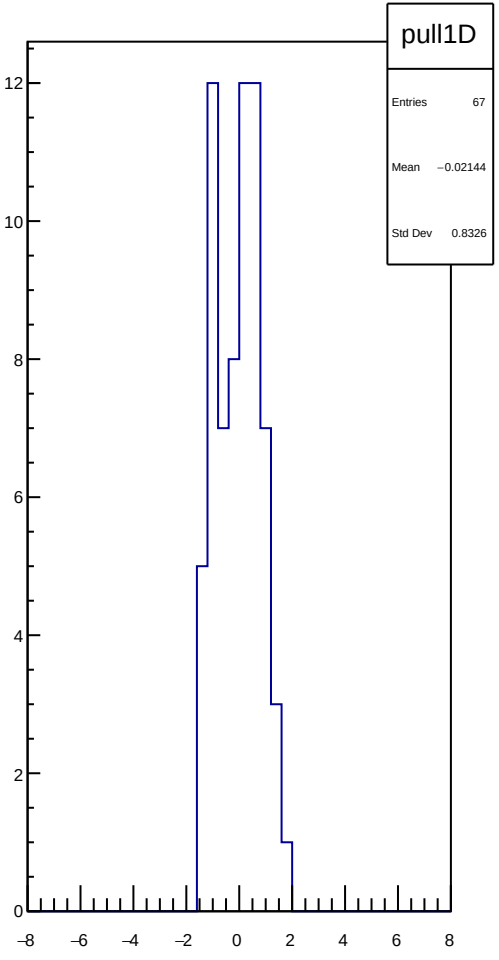

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.24 / 66
p0 −24.43 ± 1.585
pull
Entries 67
Mean −271.6
Std Dev 308.9

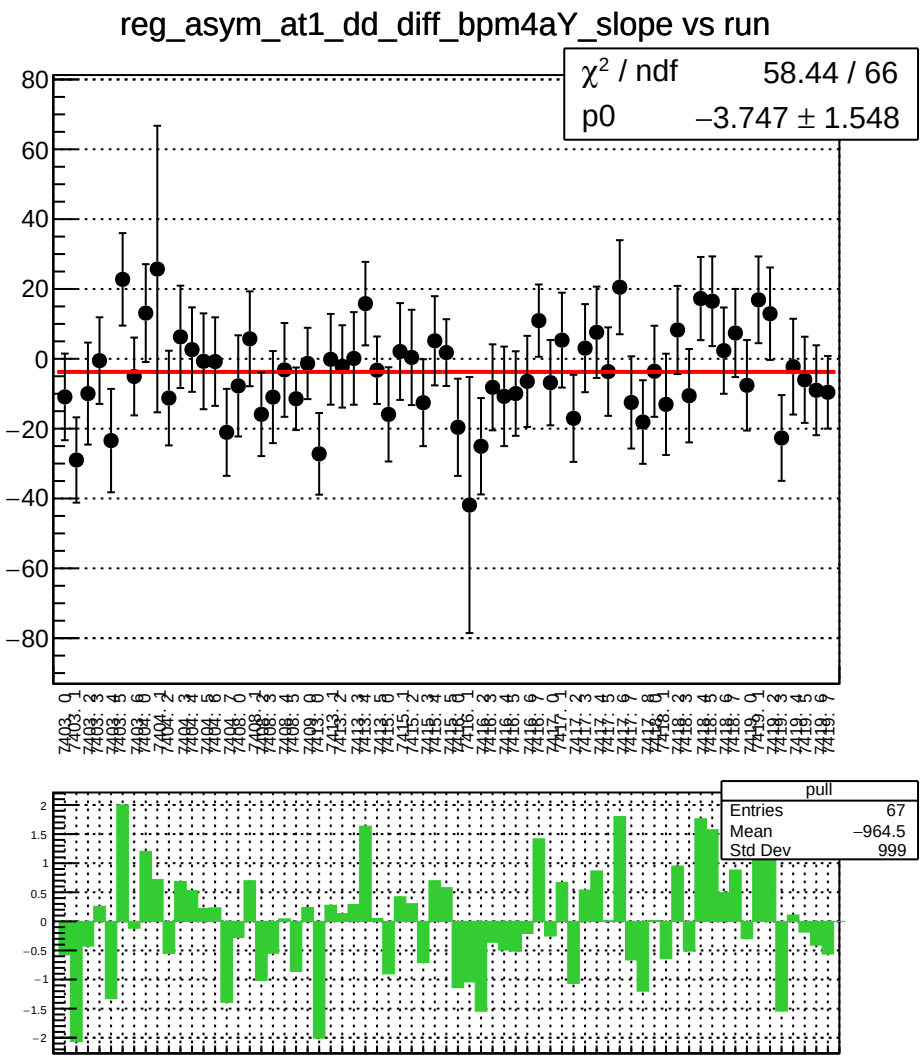

pull1D
Entries 67
Mean 0.008059
Std Dev 0.9867

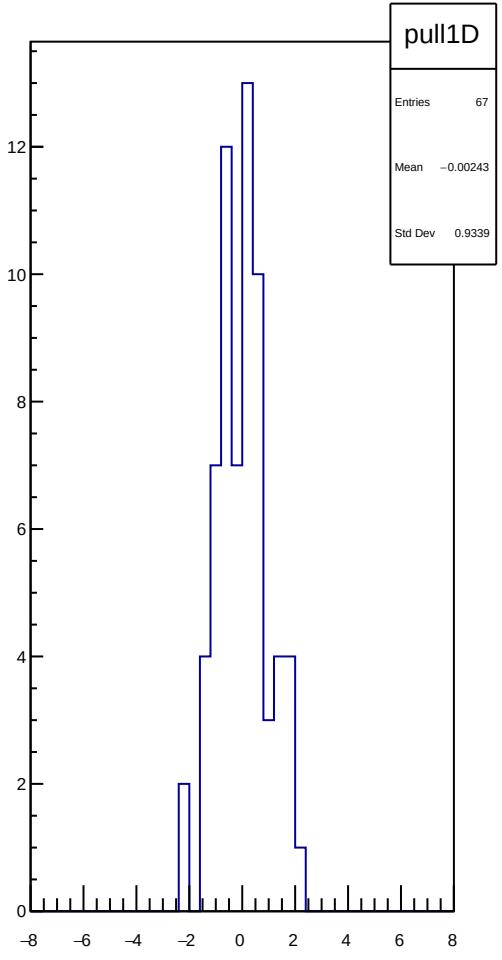
reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 578.5 / 66
p0 −4.787 ± 0.06999
pull
Entries 67
Mean 2609
Std Dev 2577

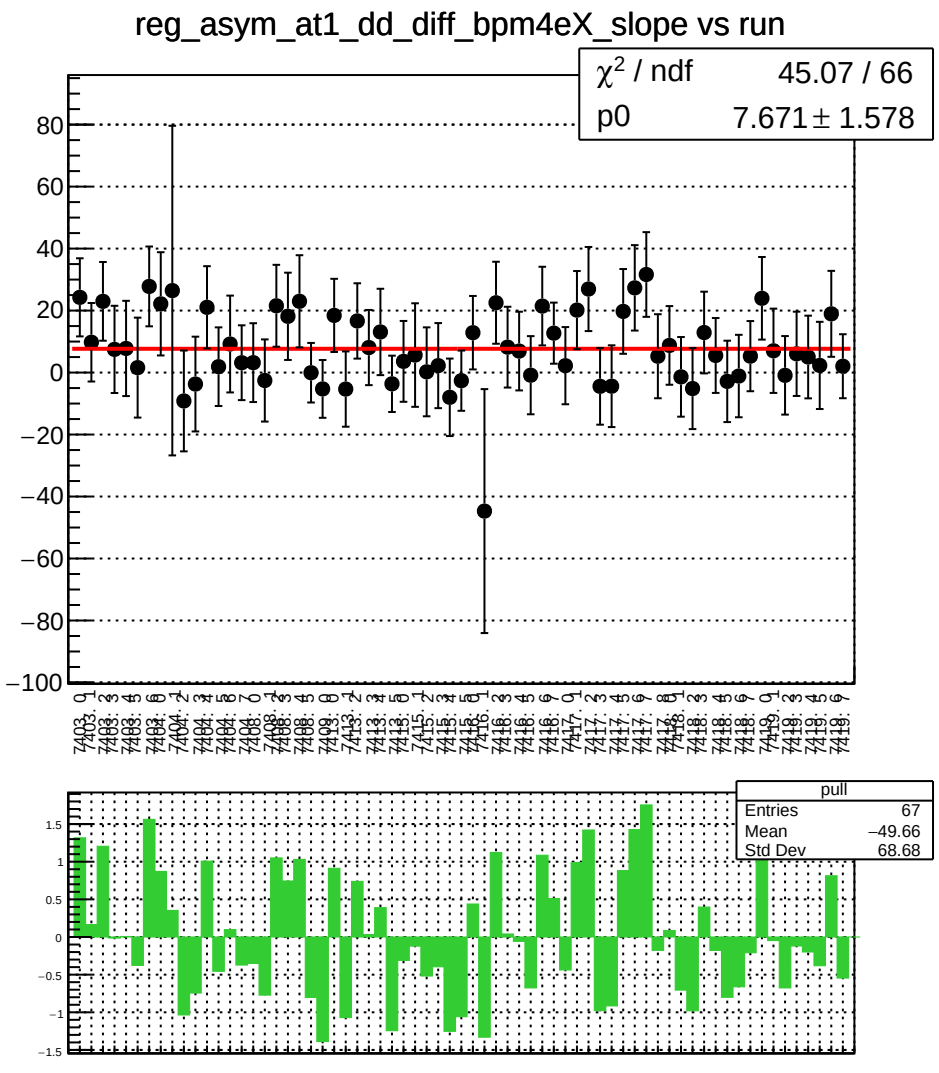

pull1D
Entries 67
Mean 0.1638
Std Dev 2.573

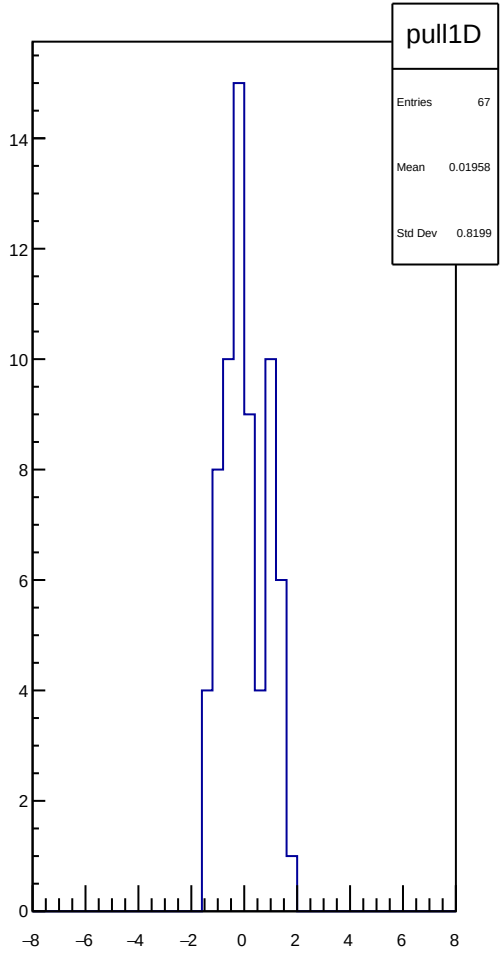

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 46.48 / 66
p0 34.89 ± 1.518
pull
Entries 67
Mean −63.5
Std Dev 84.83

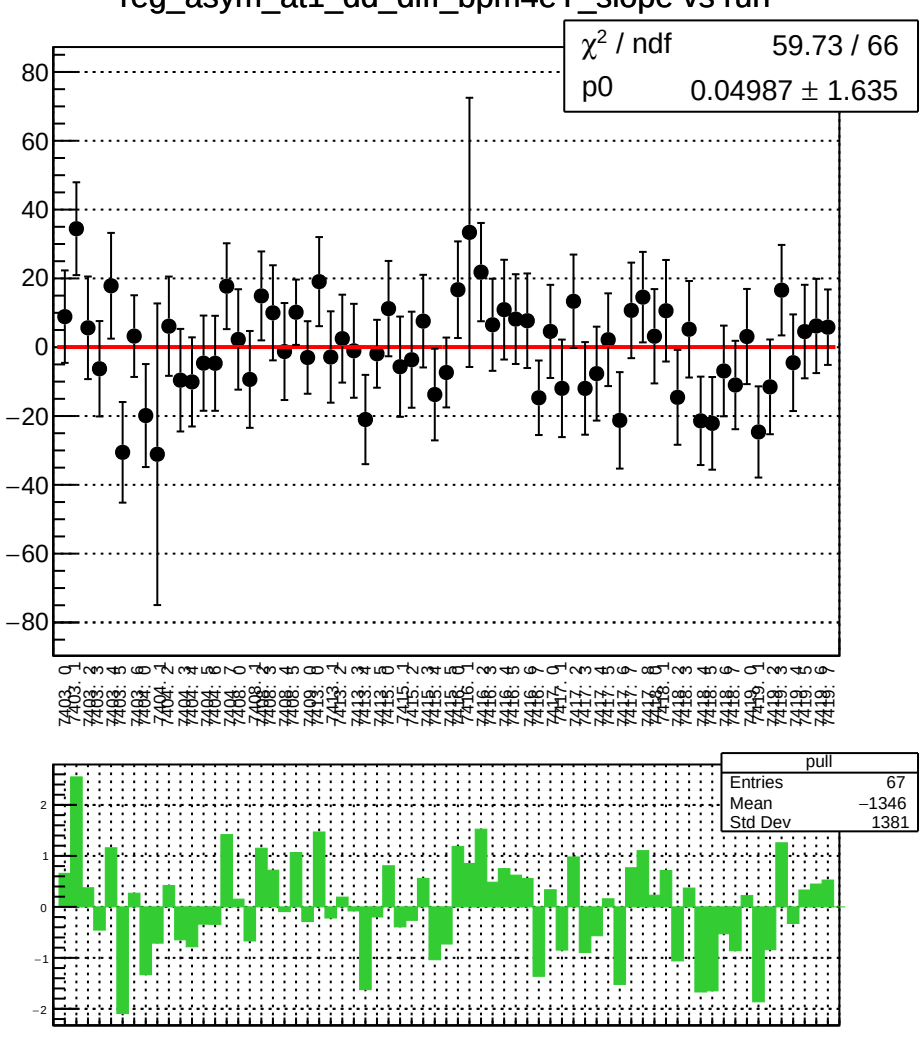

pull1D
Entries 67
Mean −0.02144
Std Dev 0.8326

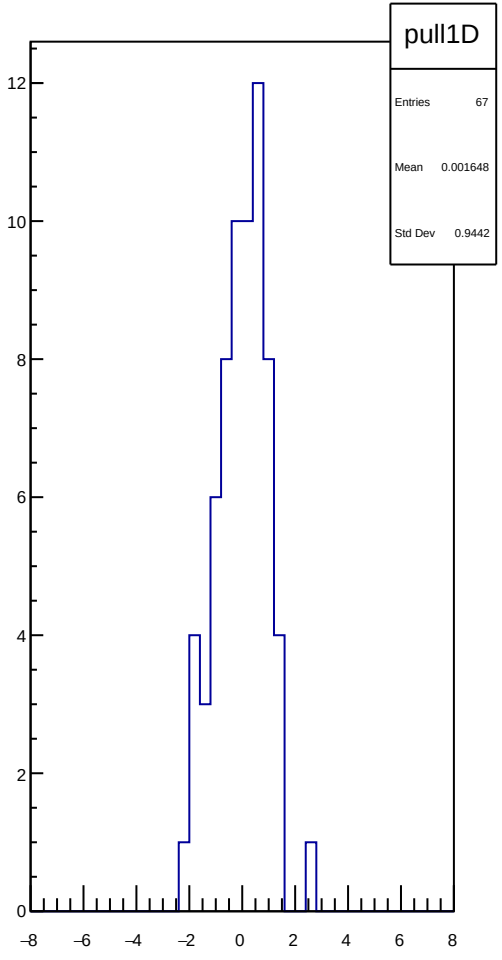

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.44 / 66
p0 −3.747 ± 1.548
pull
Entries 67
Mean −964.5
Std Dev 999

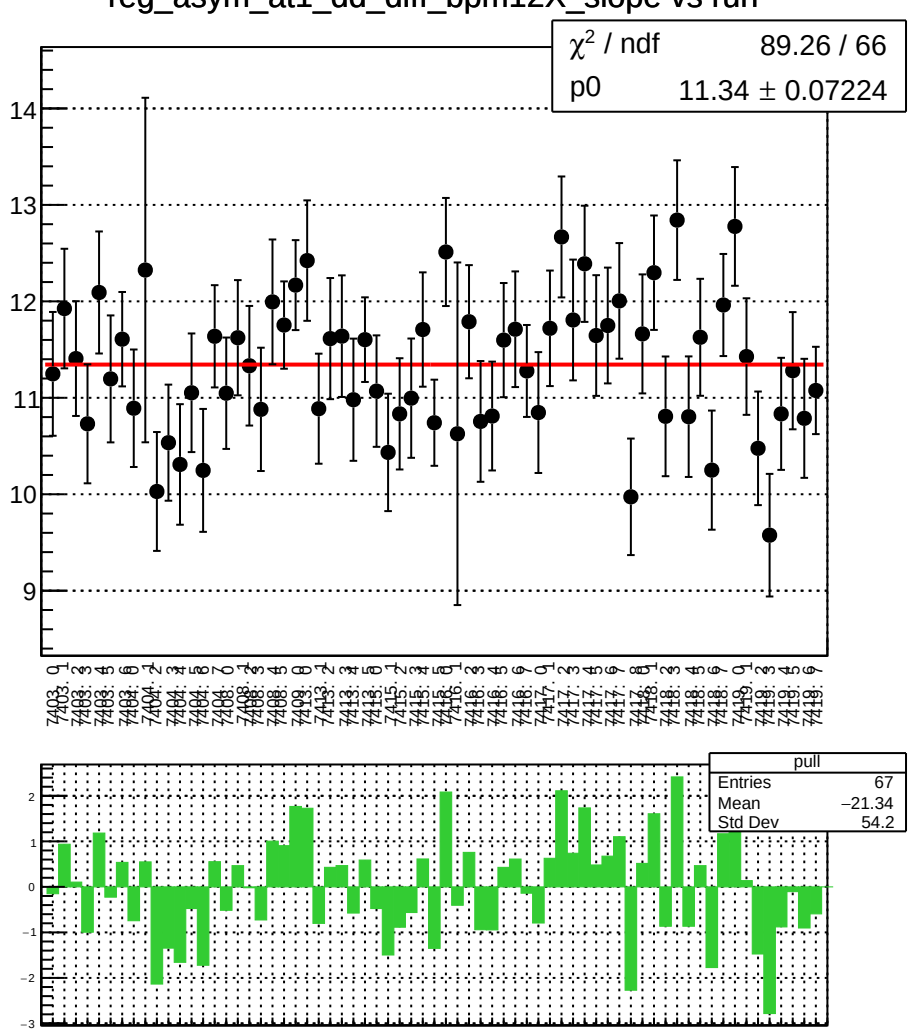

pull1D
Entries 67
Mean −0.00243
Std Dev 0.9339

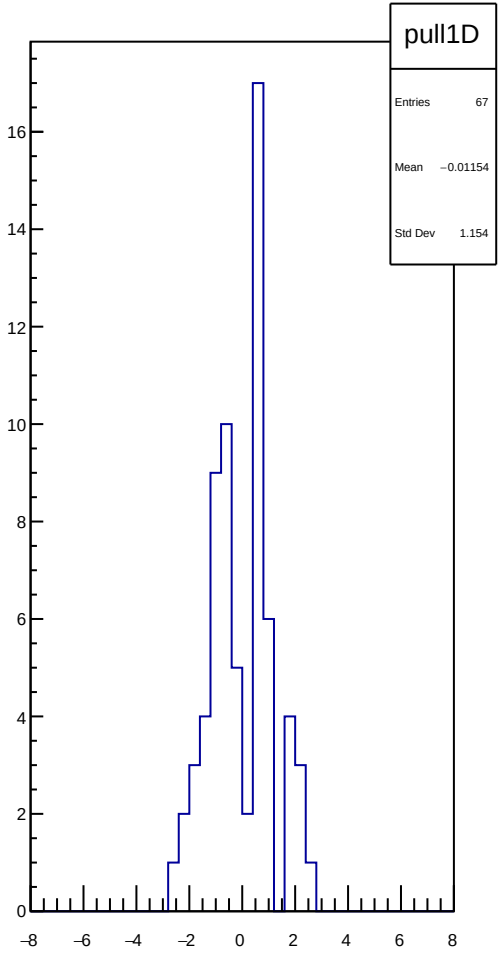

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.07 / 66
p0 7.671 ± 1.578
pull
Entries 67
Mean −49.66
Std Dev 68.68

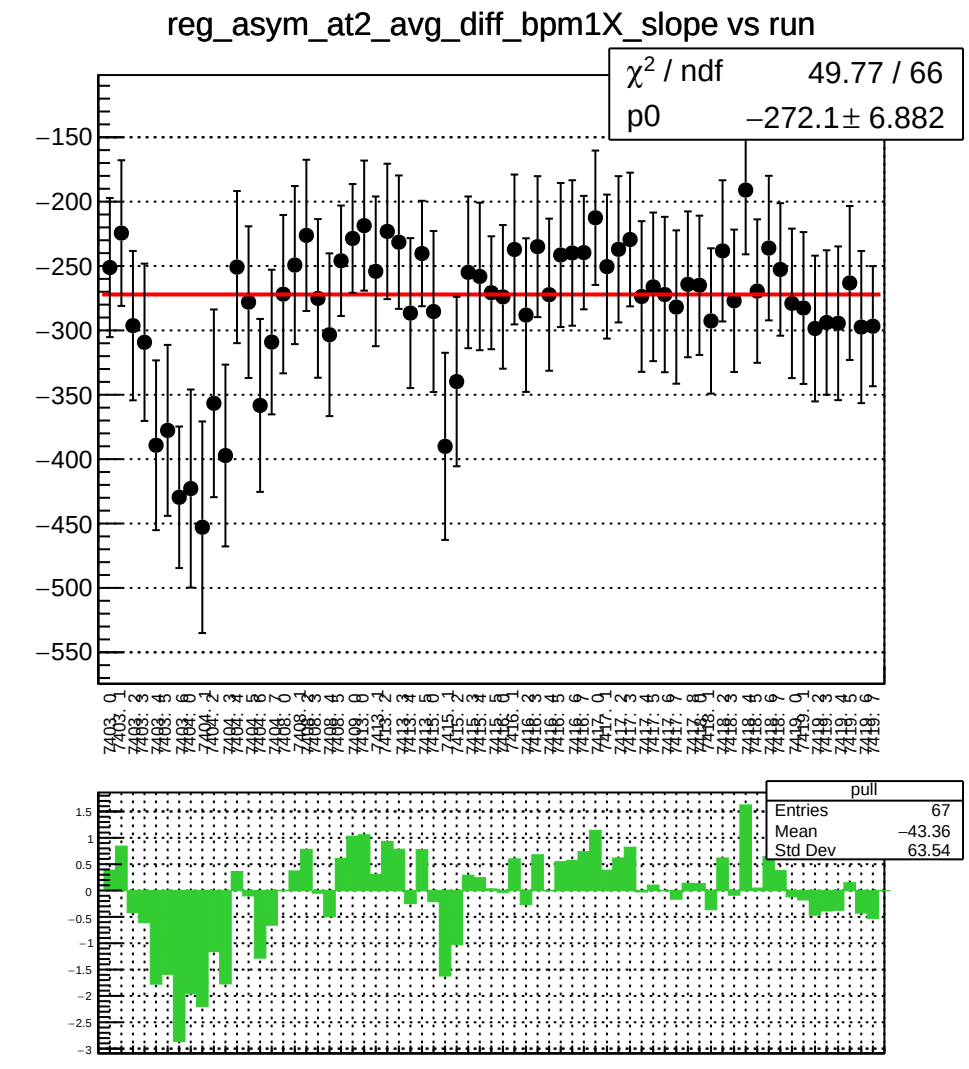

pull1D
Entries 67
Mean 0.01958
Std Dev 0.8199

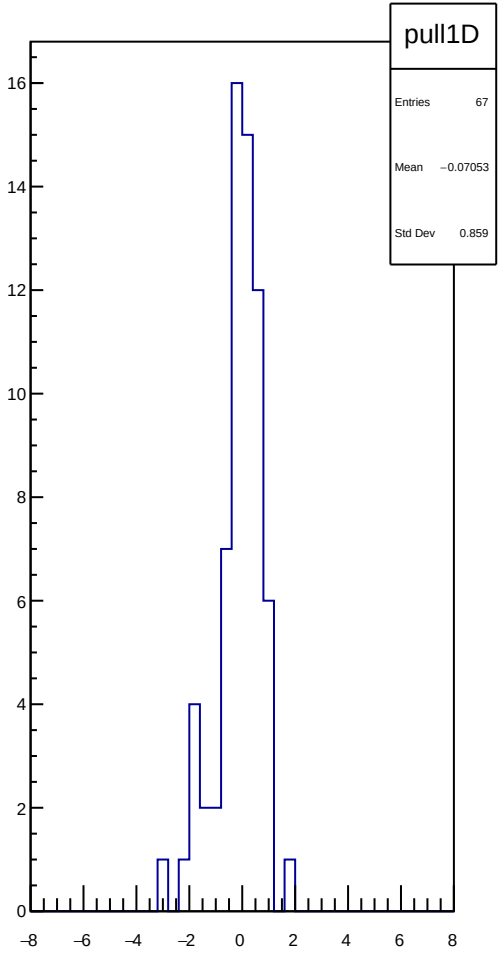

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.73 / 66
p0 0.04987 ± 1.635
pull
Entries 67
Mean −1346
Std Dev 1381

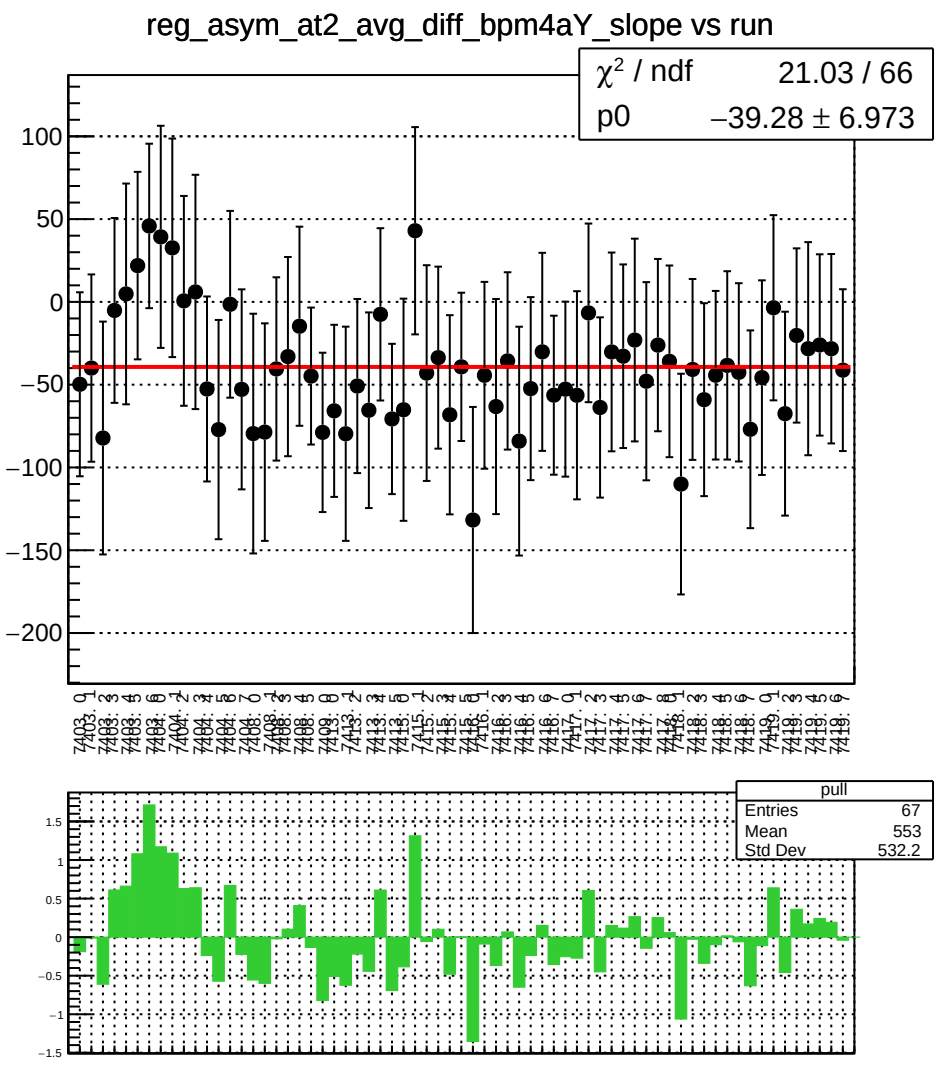

pull1D
Entries 67
Mean 0.001648
Std Dev 0.9442

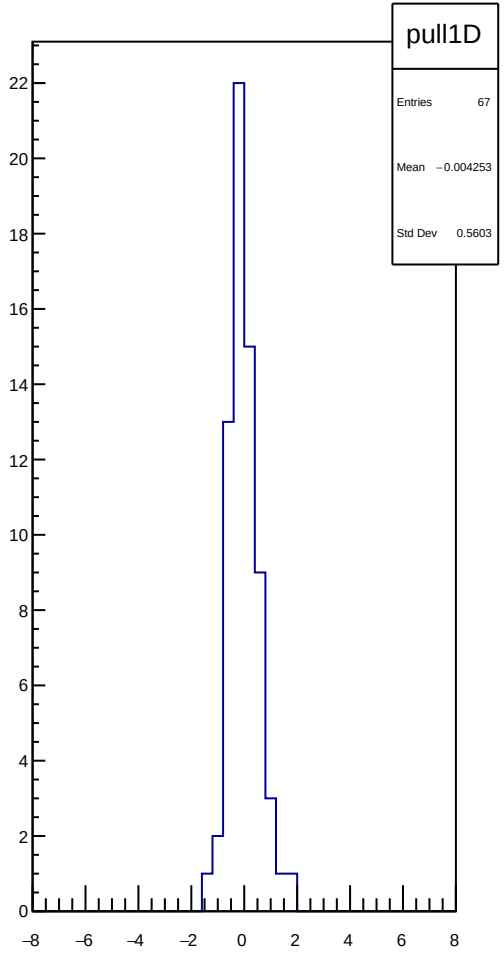

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 89.26 / 66
p0 11.34 ± 0.07224
pull
Entries 67
Mean −21.34
Std Dev 54.2

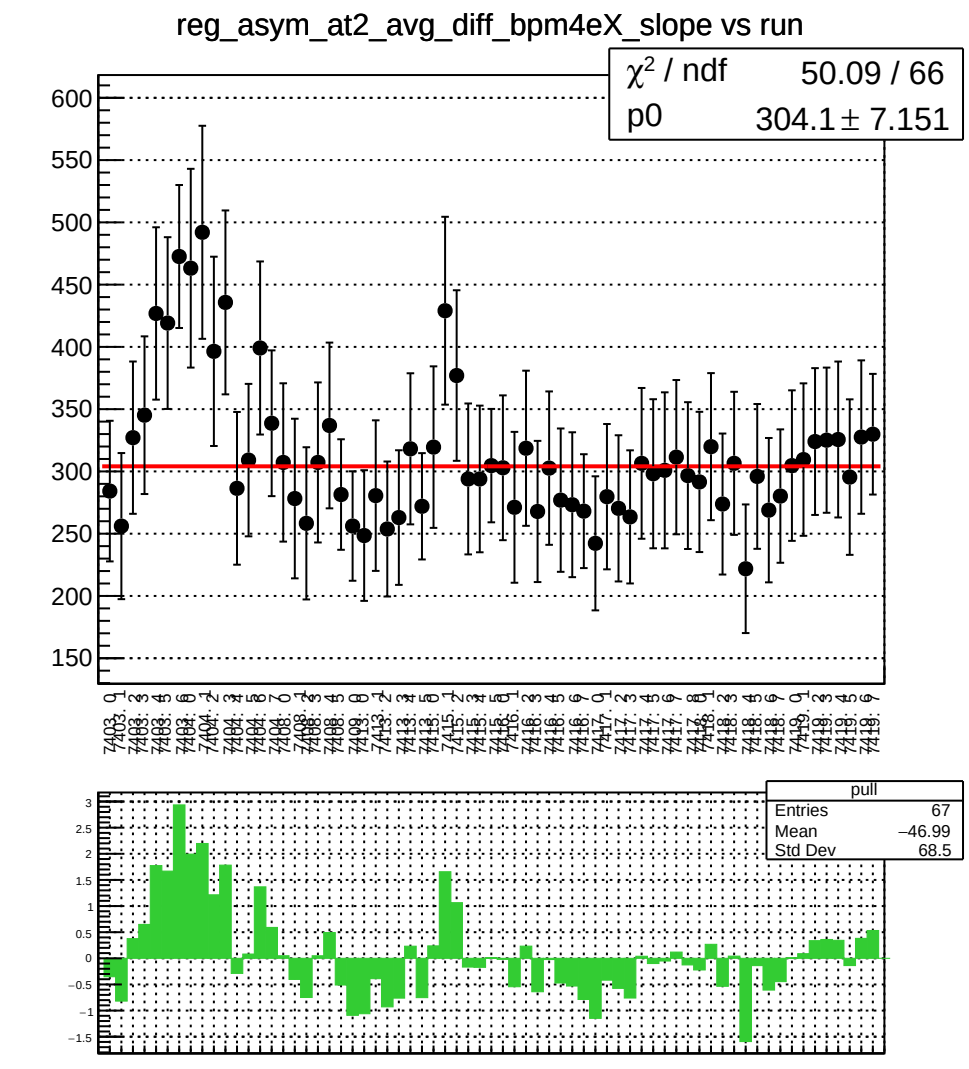

pull1D
Entries 67
Mean −0.01154
Std Dev 1.154

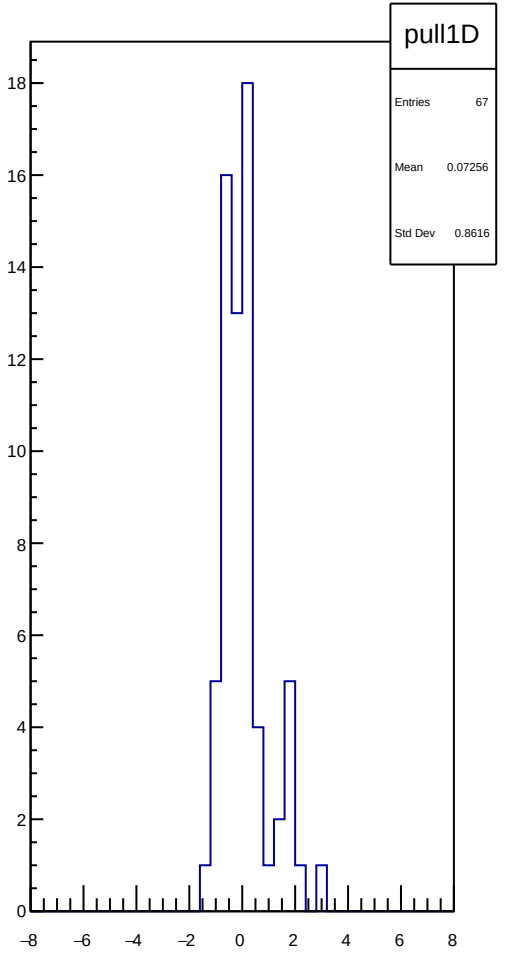

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 49.77 / 66
p0 −272.1± 6.882
pull
Entries 67
Mean −43.36
Std Dev 63.54

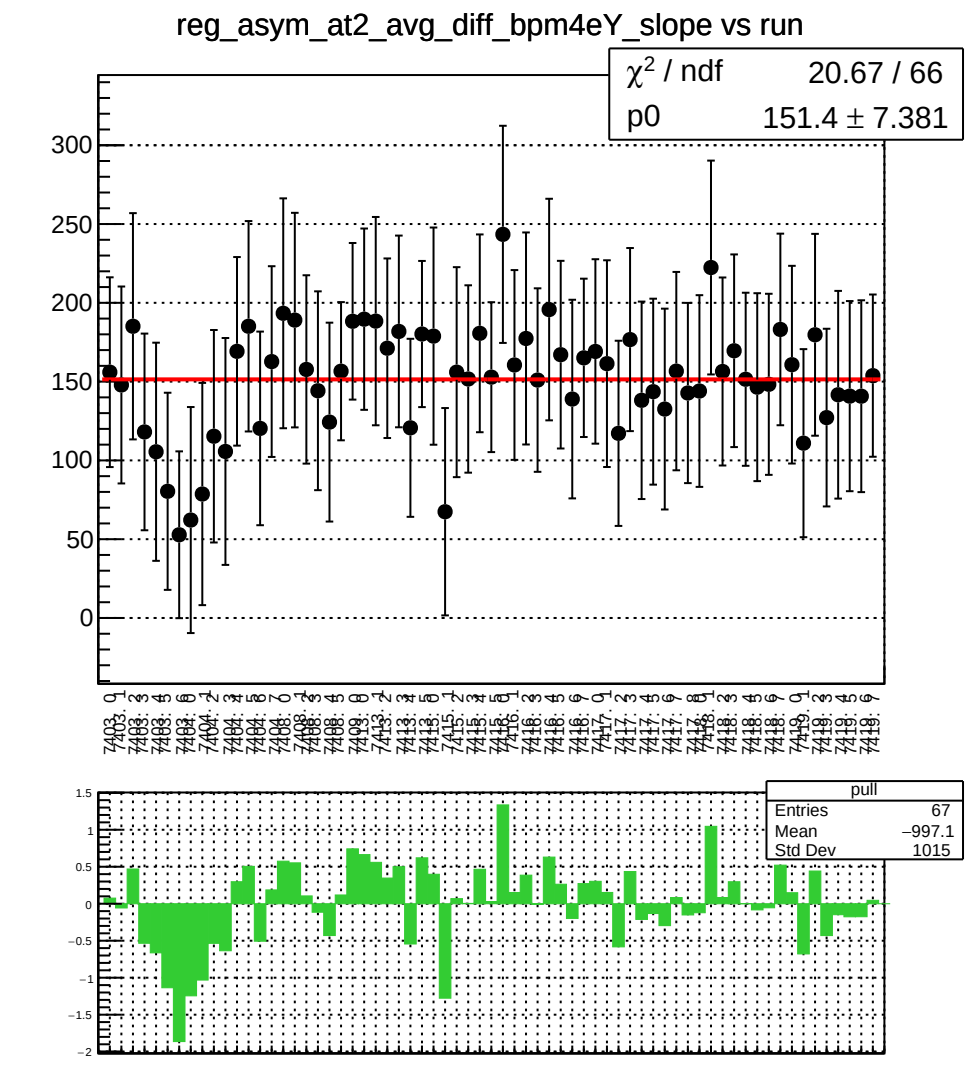

pull1D
Entries 67
Mean −0.07053
Std Dev 0.859

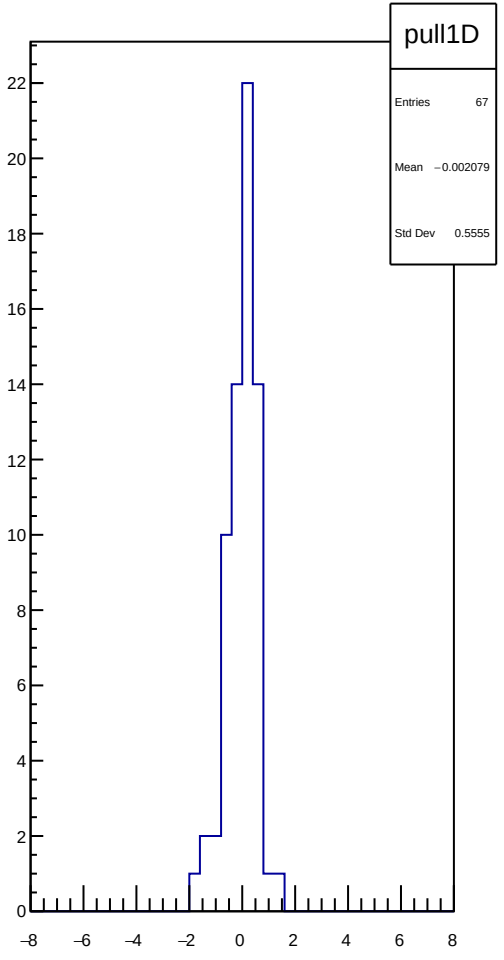

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.03 / 66
p0 −39.28 ± 6.973
pull
Entries 67
Mean 553
Std Dev 532.2

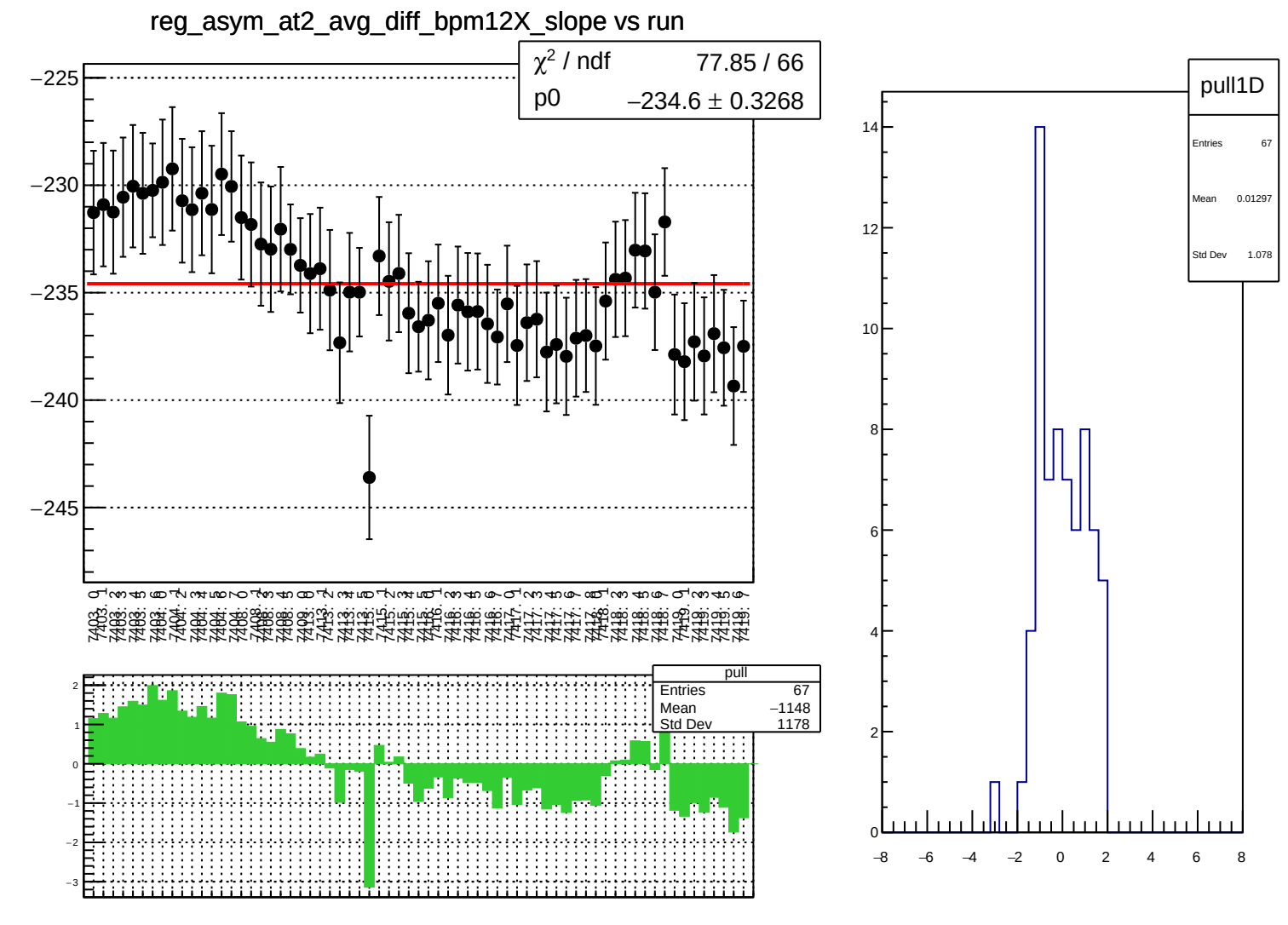

pull1D
Entries 67
Mean −0.004253
Std Dev 0.5603

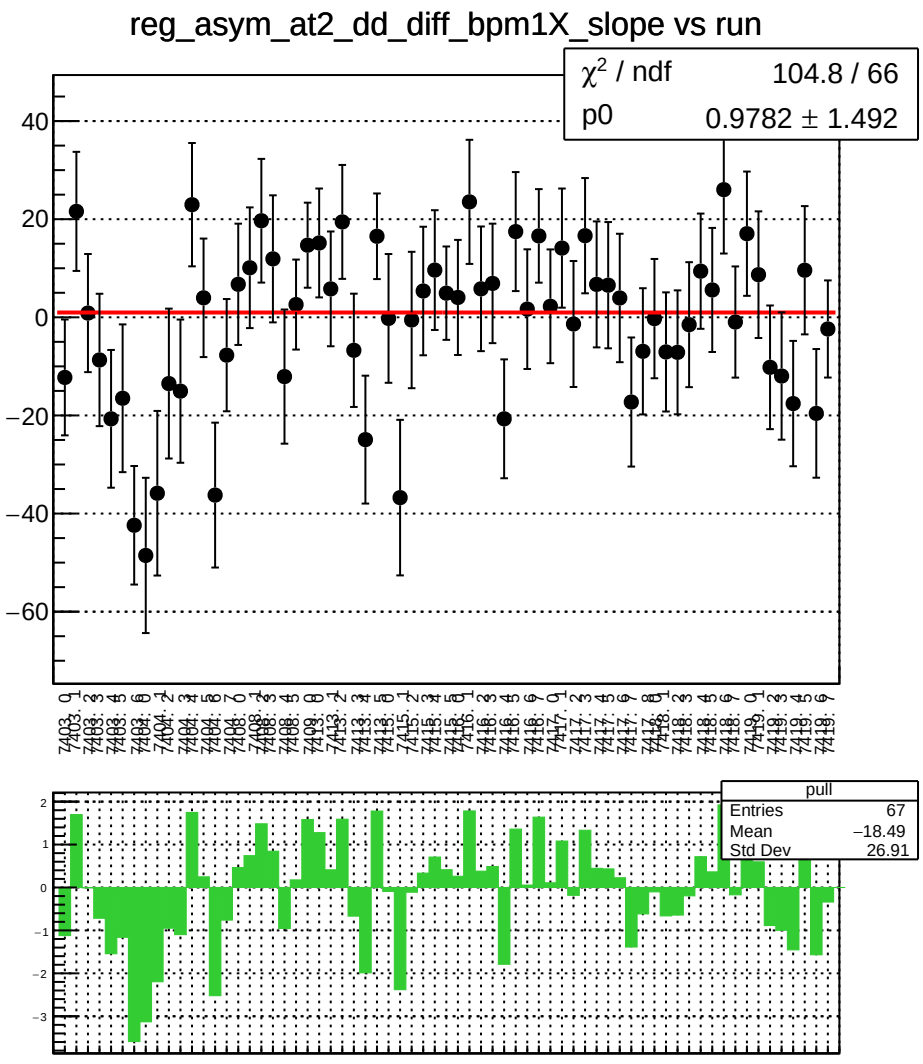

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.09 / 66
p0 304.1 ± 7.151
pull
Entries 67
Mean −46.99
Std Dev 68.5

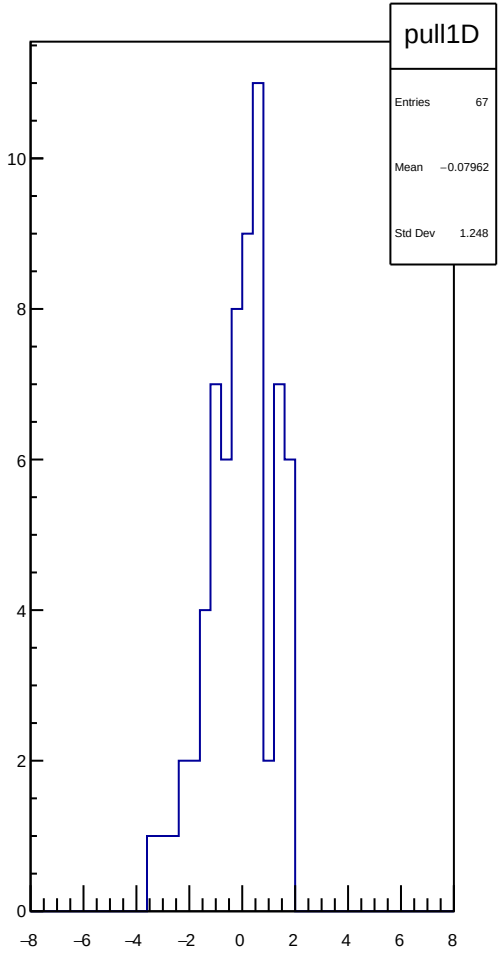

pull1D
Entries 67
Mean 0.07256
Std Dev 0.8616

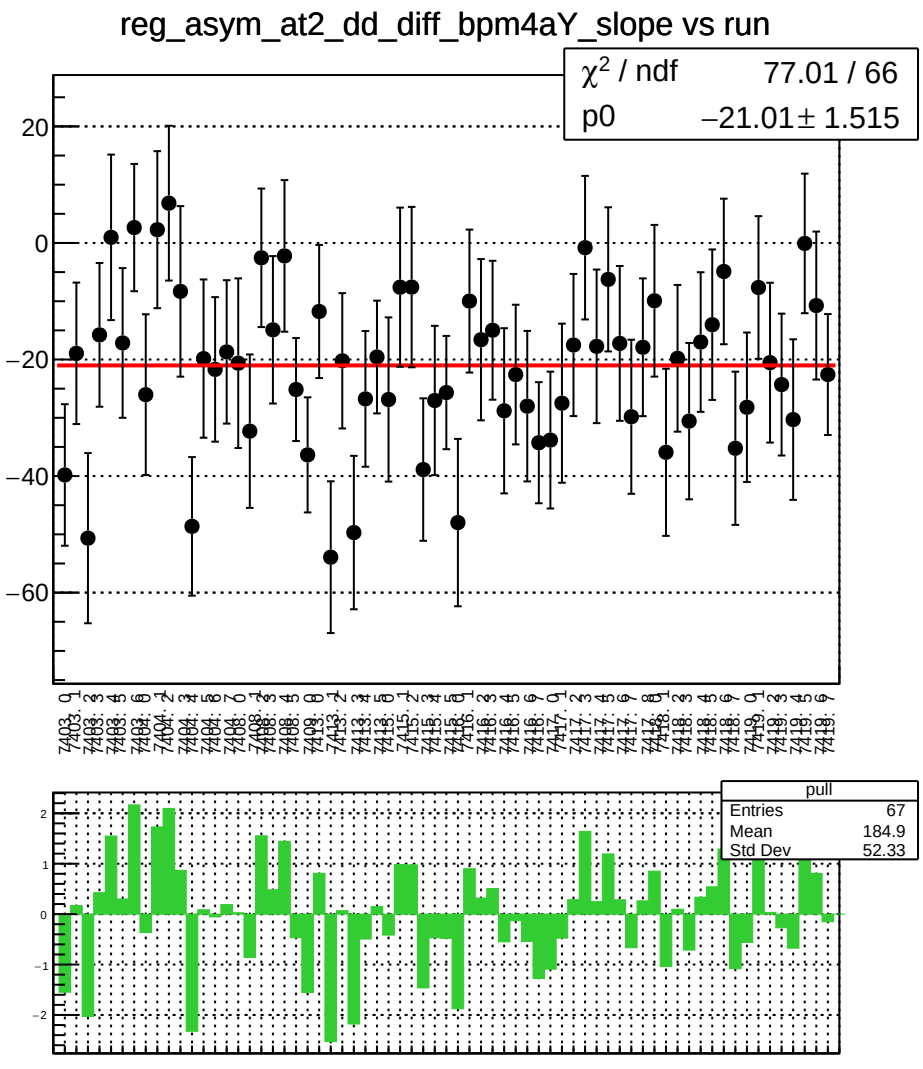

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.67 / 66
p0 151.4 ± 7.381
pull
Entries 67
Mean −997.1
Std Dev 1015

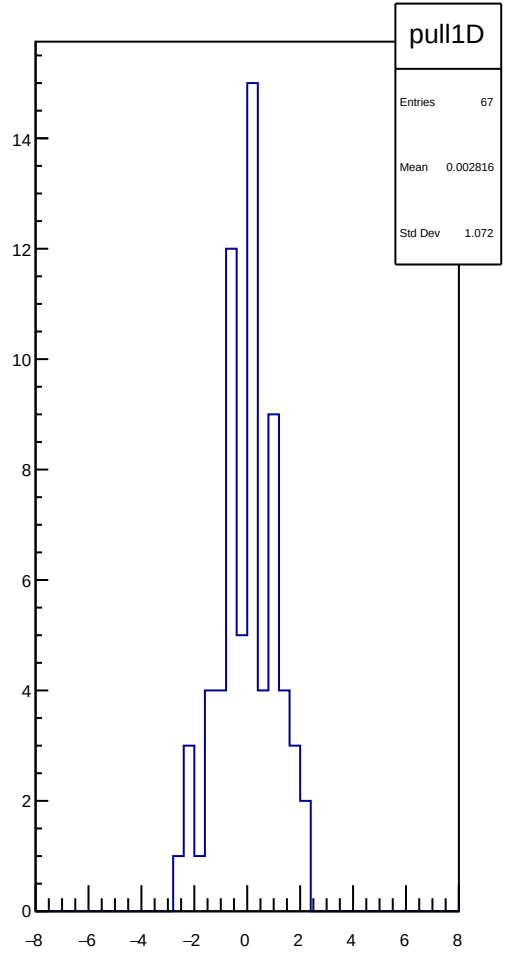

pull1D
Entries 67
Mean −0.002079
Std Dev 0.5555

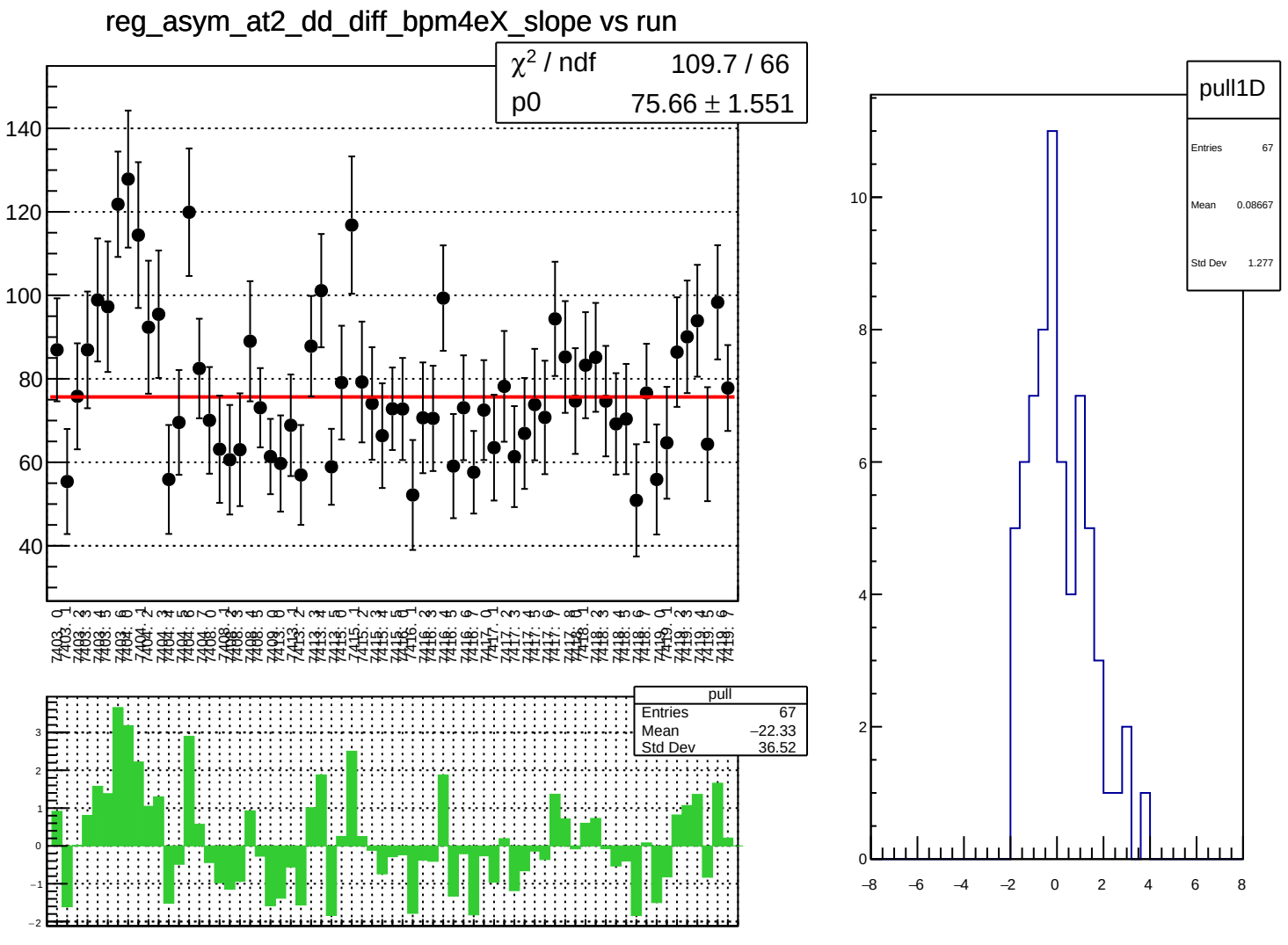

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 77.85 / 66
p0 −234.6 ± 0.3268
pull
Entries 67
Mean −1148
Std Dev 1178
pull1D
Entries 67
Mean 0.01297
Std Dev 1.078

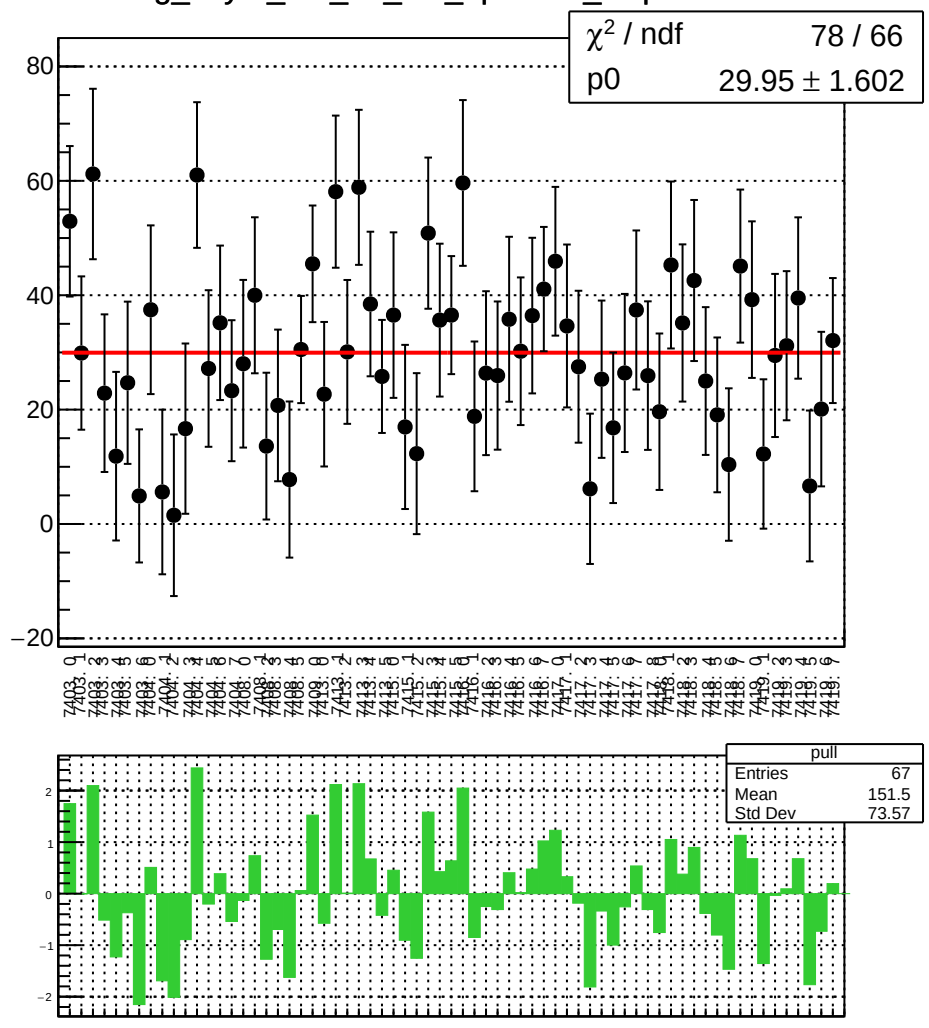

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 104.8 / 66
p0 0.9782 ± 1.492
pull
Entries 67
Mean −18.49
Std Dev 26.91

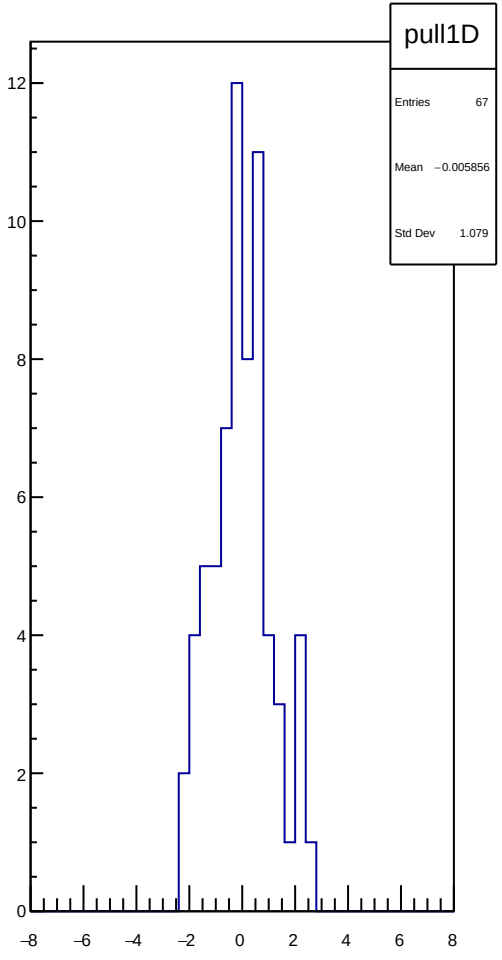

pull1D
Entries 67
Mean −0.07962
Std Dev 1.248

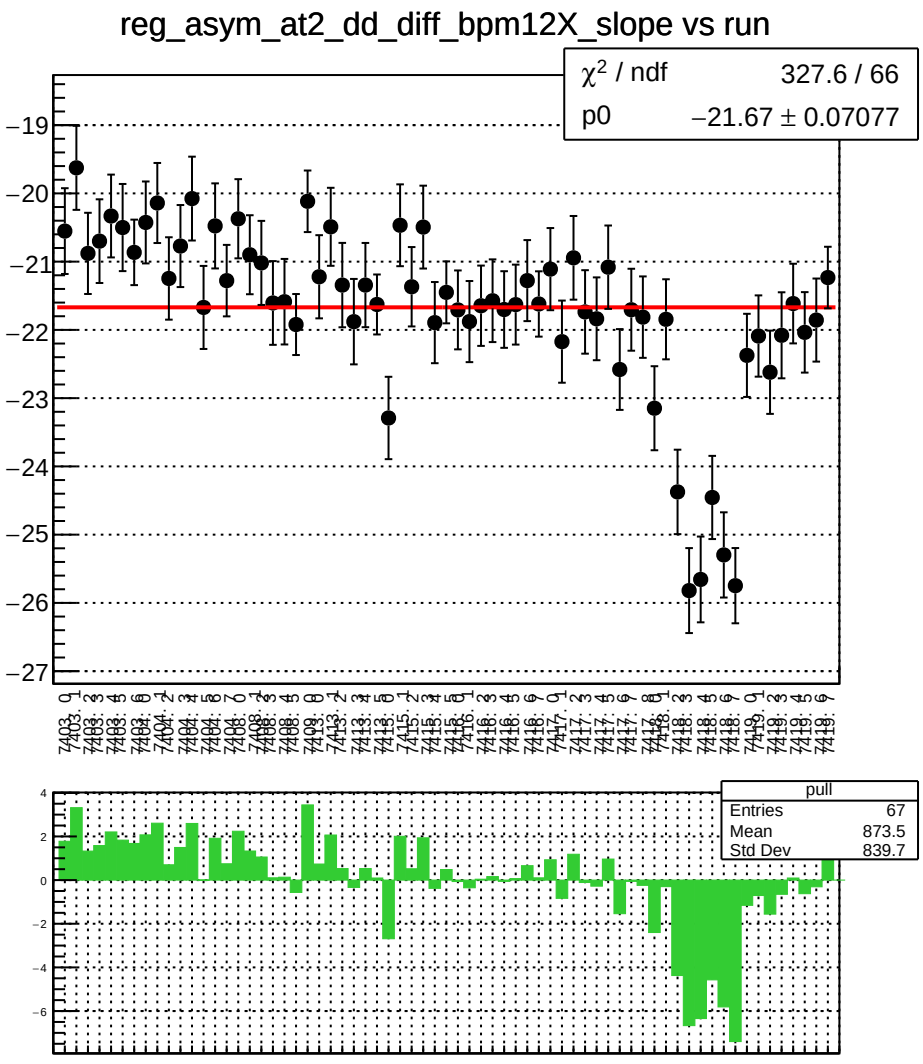

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.01 / 66
p0 −21.01 ± 1.515
pull
Entries 67
Mean 184.9
Std Dev 52.33

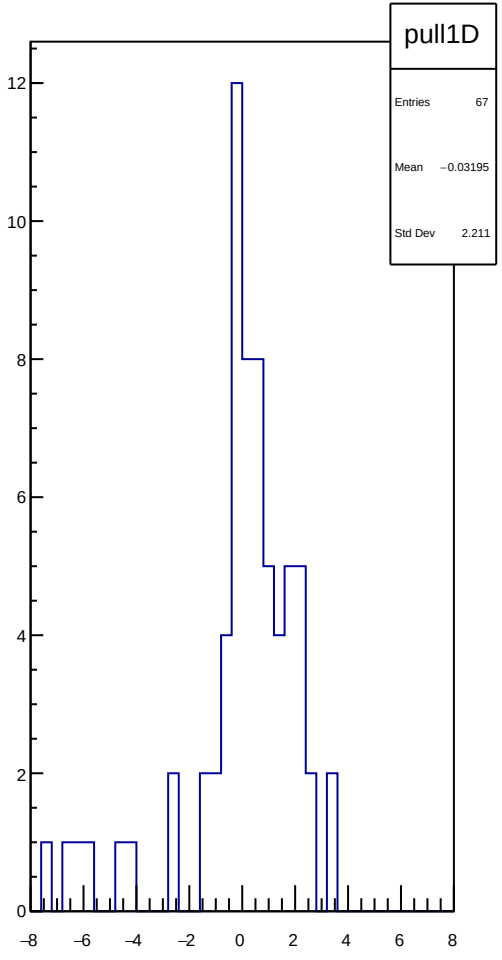

pull1D
Entries 67
Mean 0.002816
Std Dev 1.072

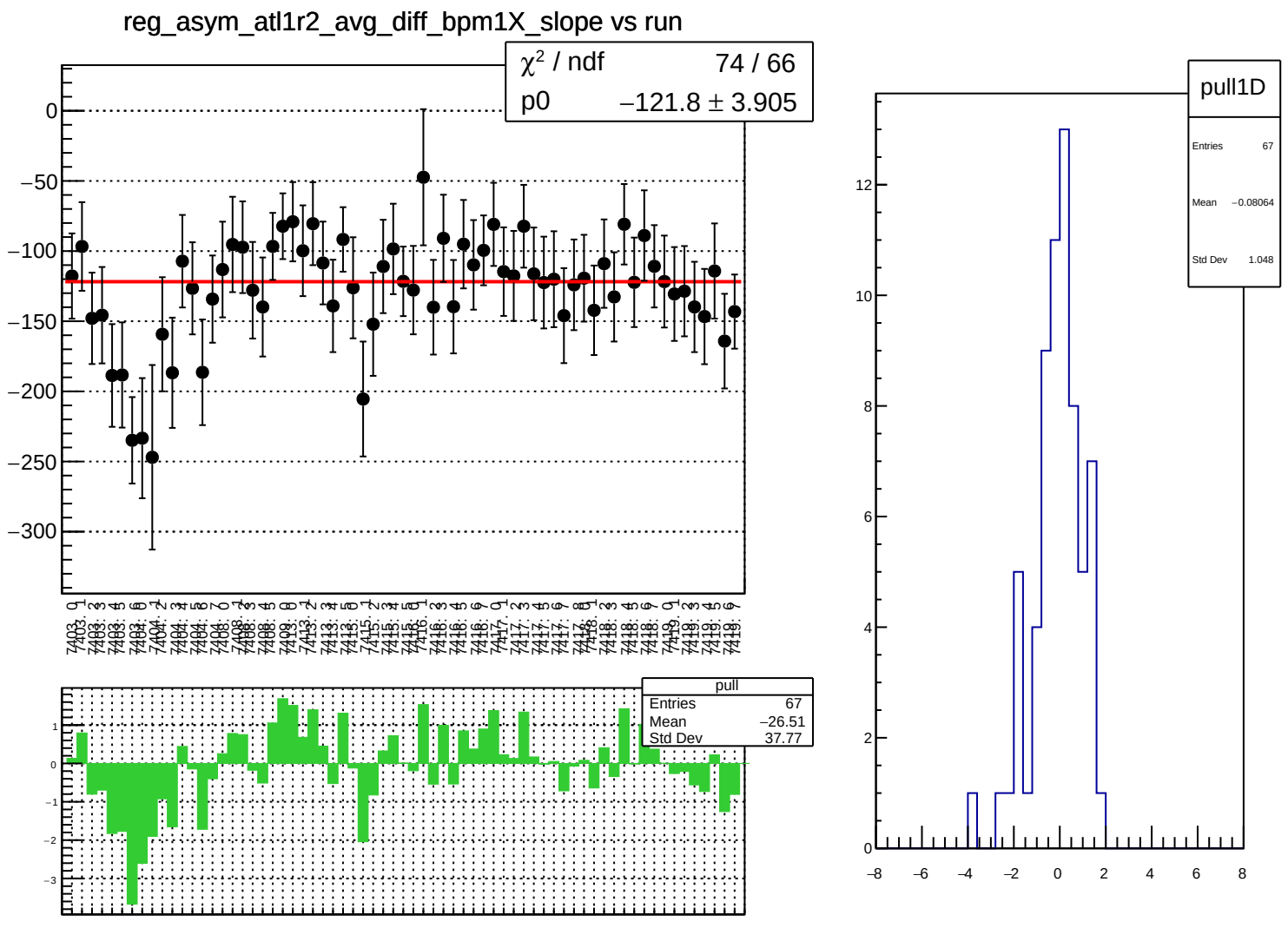

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 109.7 / 66
p0 75.66 ± 1.551
pull
Entries 67
Mean −22.33
Std Dev 36.52
pull1D
Entries 67
Mean 0.08667
Std Dev 1.277

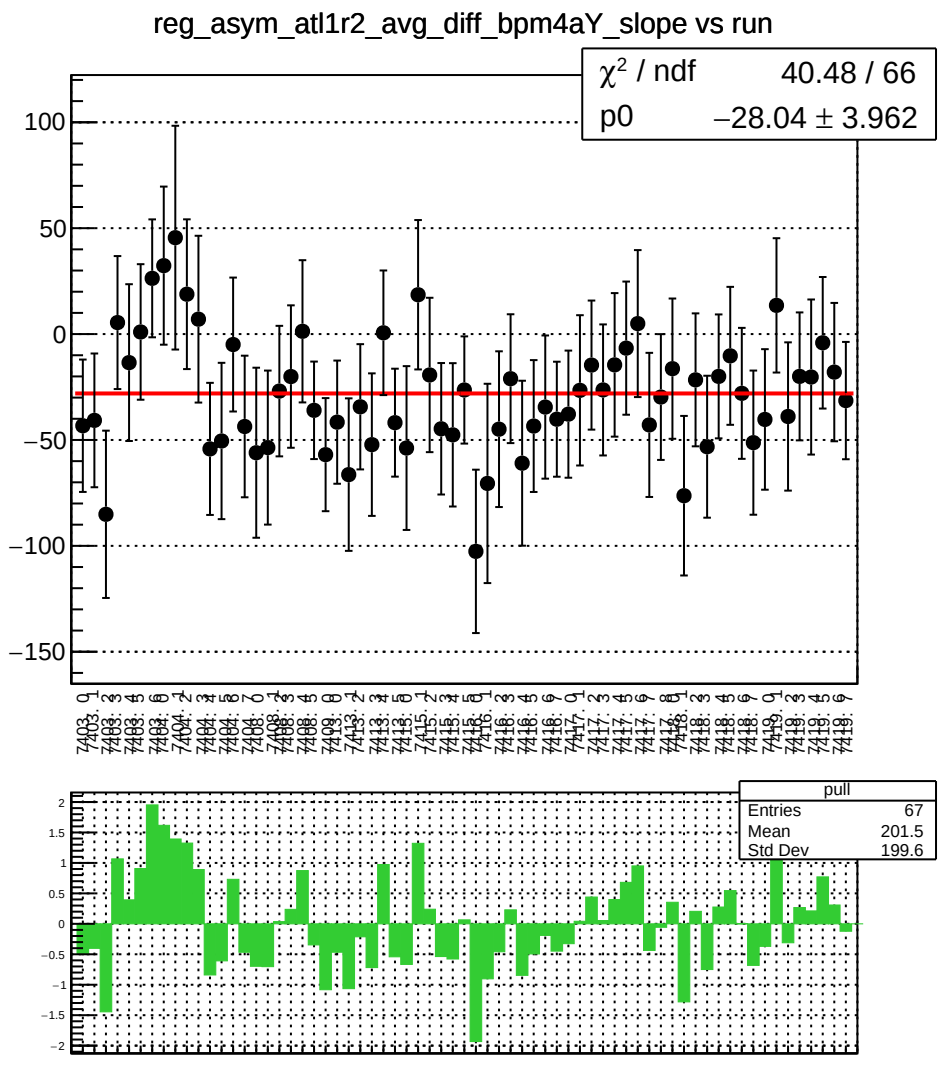

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 78 / 66
p0 29.95 ± 1.602
pull
Entries 67
Mean 151.5
Std Dev 73.57

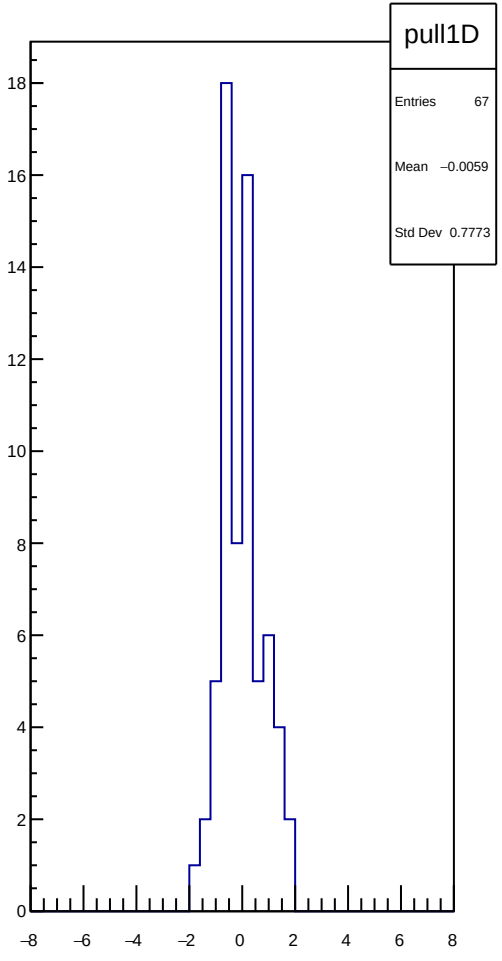

pull1D
Entries 67
Mean −0.005856
Std Dev 1.079

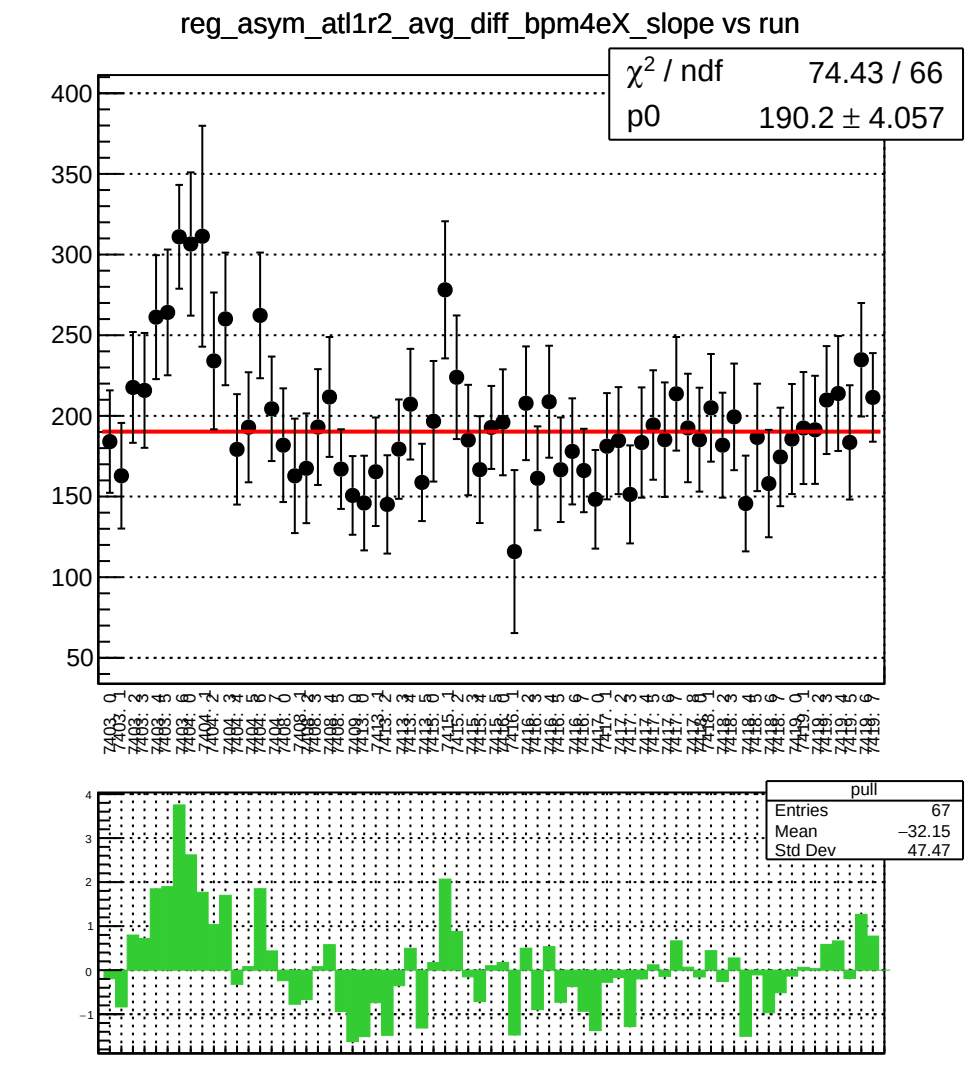

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 327.6 / 66
p0 −21.67 ± 0.07077
pull
Entries 67
Mean 873.5
Std Dev 839.7

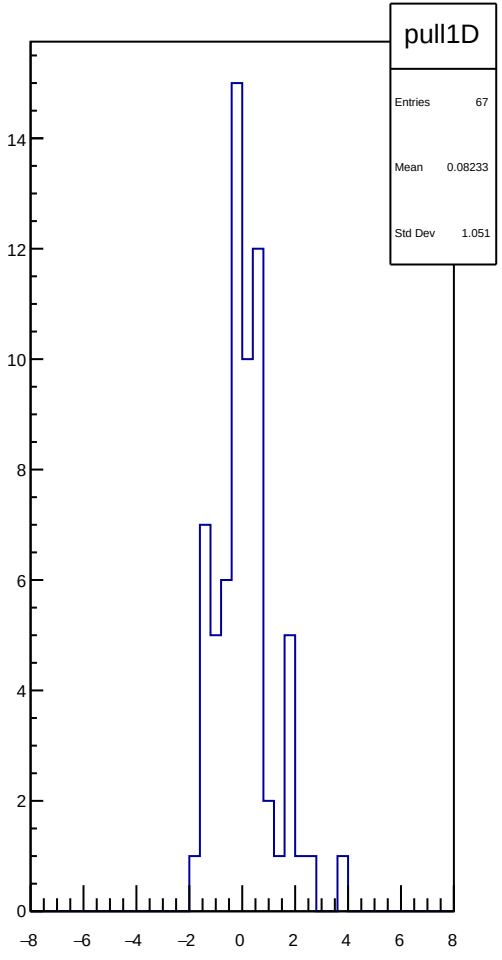

pull1D
Entries 67
Mean −0.03195
Std Dev 2.211

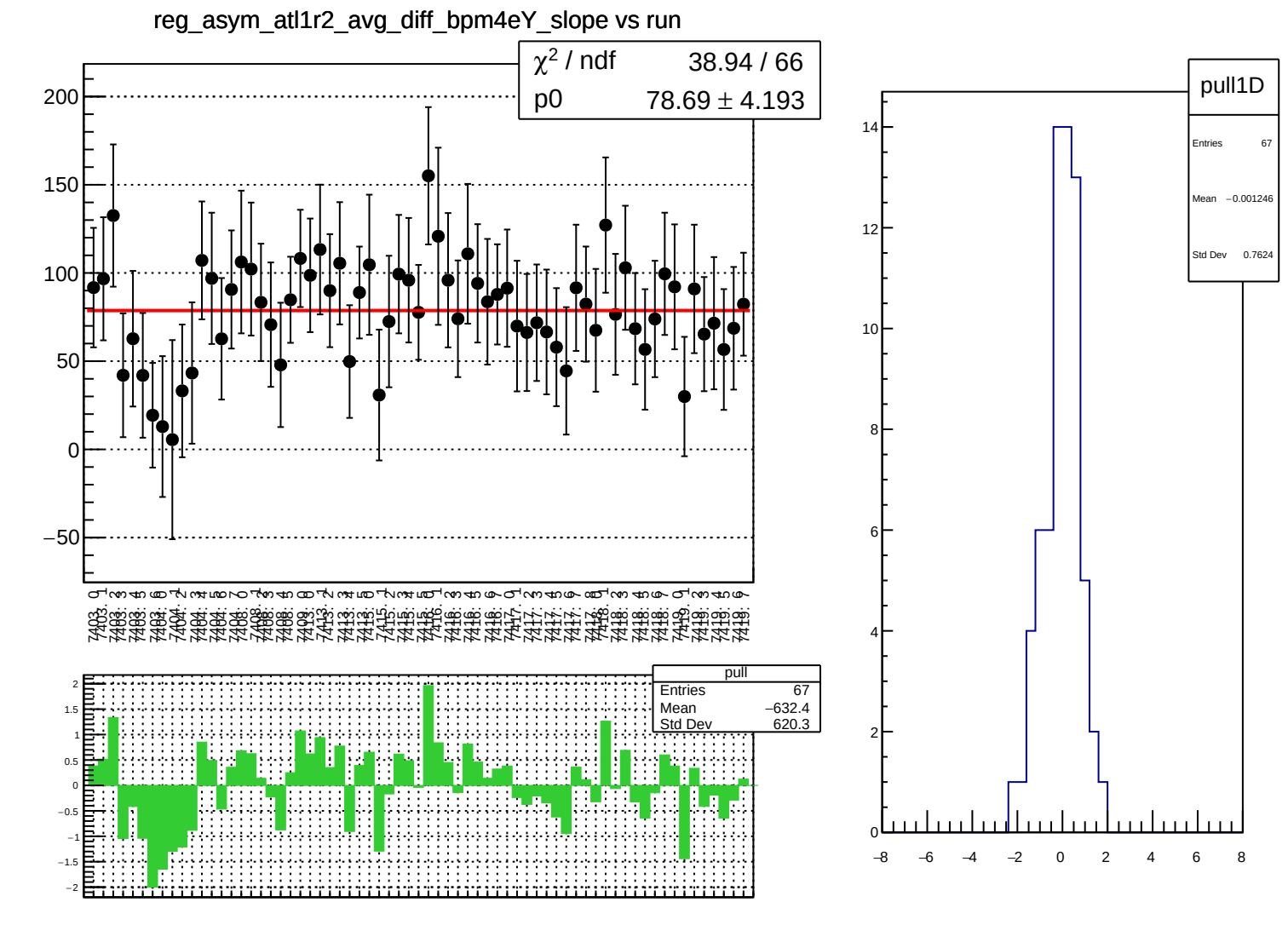

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 74 / 66
p0 −121.8 ± 3.905
pull
Entries 67
Mean −26.51
Std Dev 37.77
pull1D
Entries 67
Mean −0.08064
Std Dev 1.048

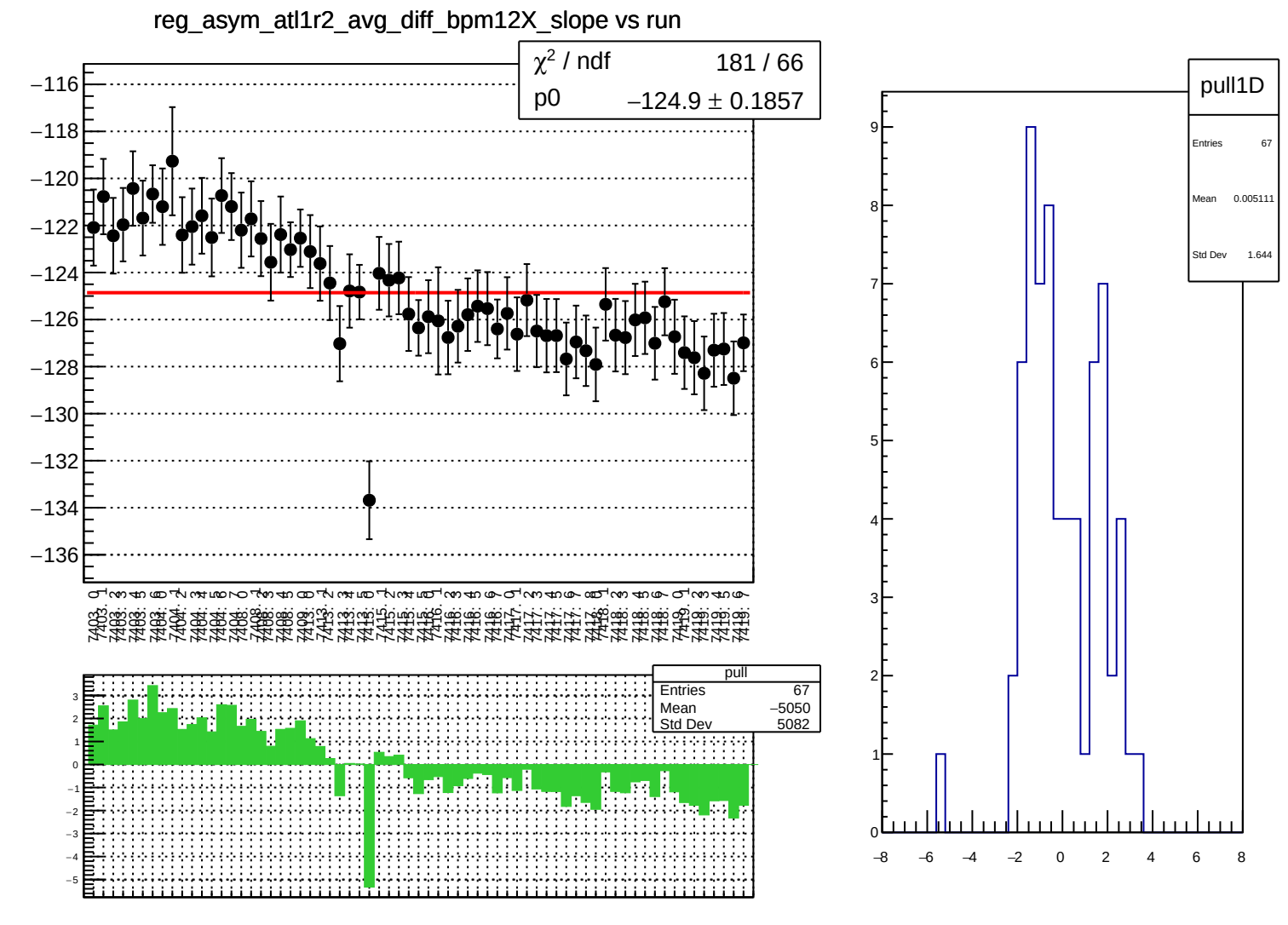

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.48 / 66
p0 −28.04 ± 3.962
pull
Entries 67
Mean 201.5
Std Dev 199.6

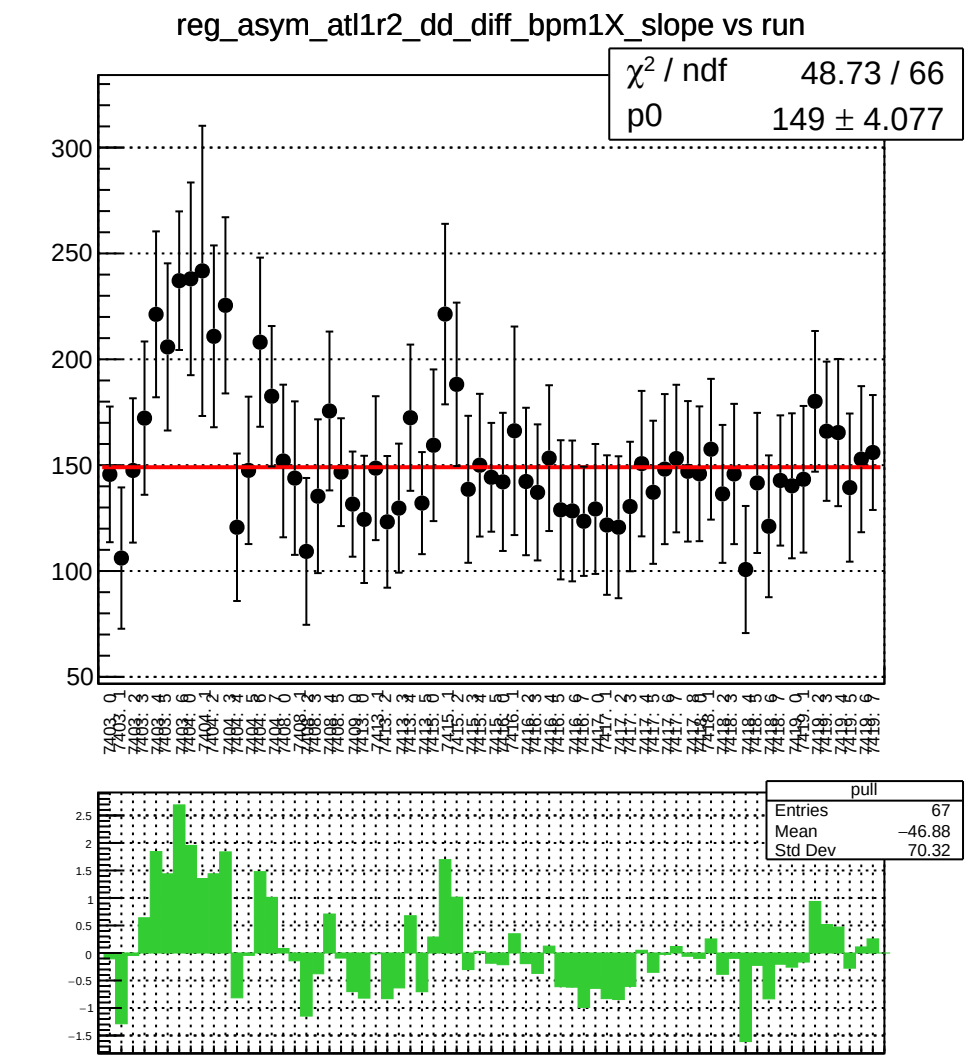

pull1D
Entries 67
Mean −0.0059
Std Dev 0.7773

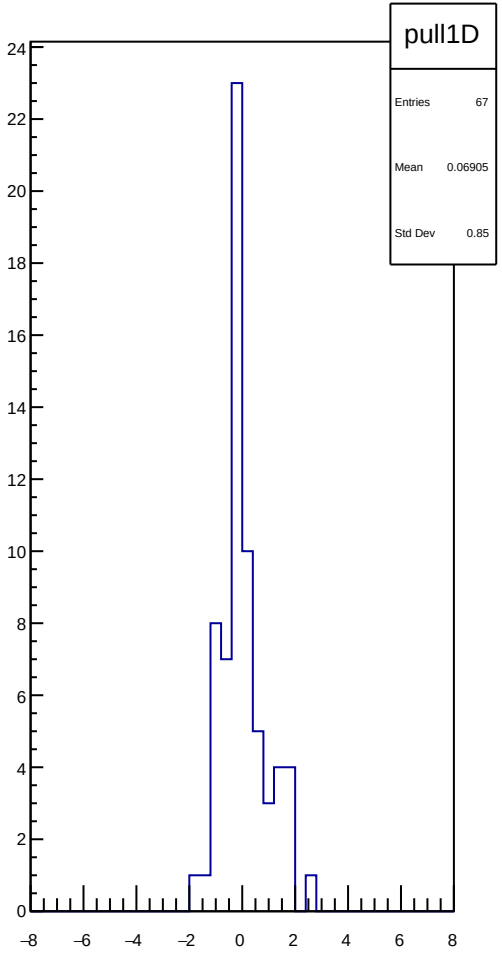

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 74.43 / 66
p0 190.2 ± 4.057
pull
Entries 67
Mean −32.15
Std Dev 47.47

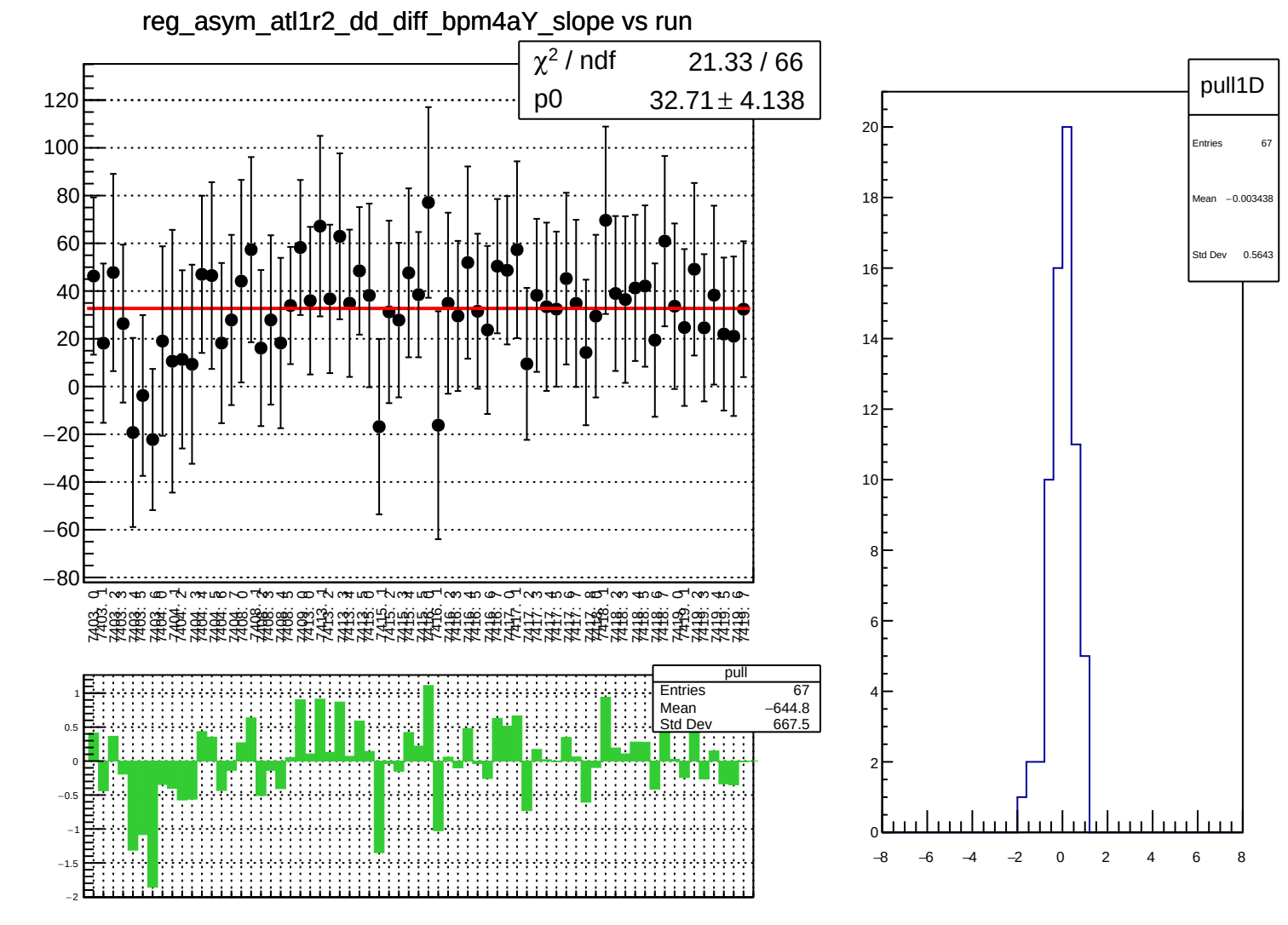

pull1D
Entries 67
Mean 0.08233
Std Dev 1.051

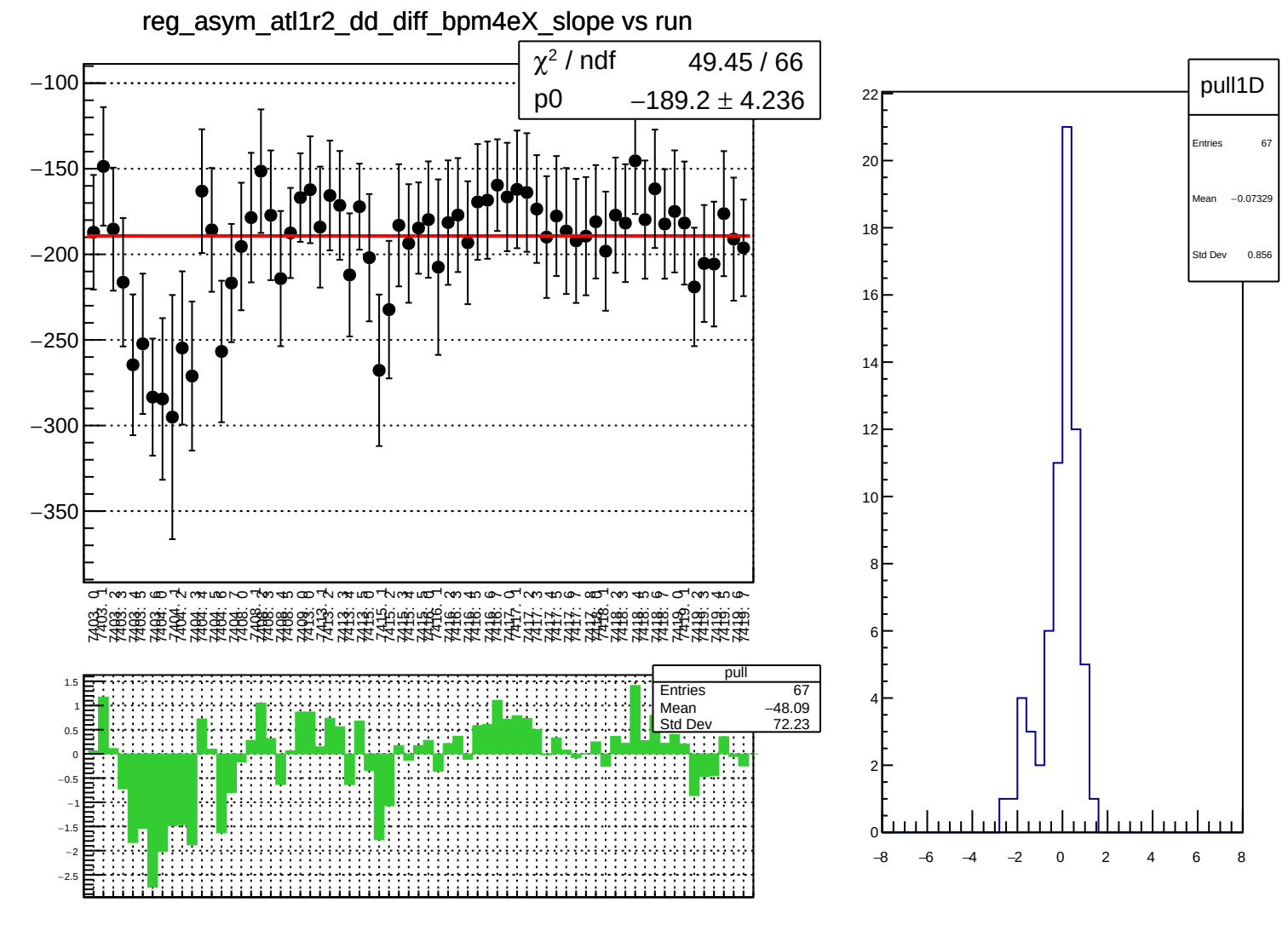

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.94 / 66
p0 78.69 ± 4.193
pull
Entries 67
Mean −632.4
Std Dev 620.3
pull1D
Entries 67
Mean −0.001246
Std Dev 0.7624

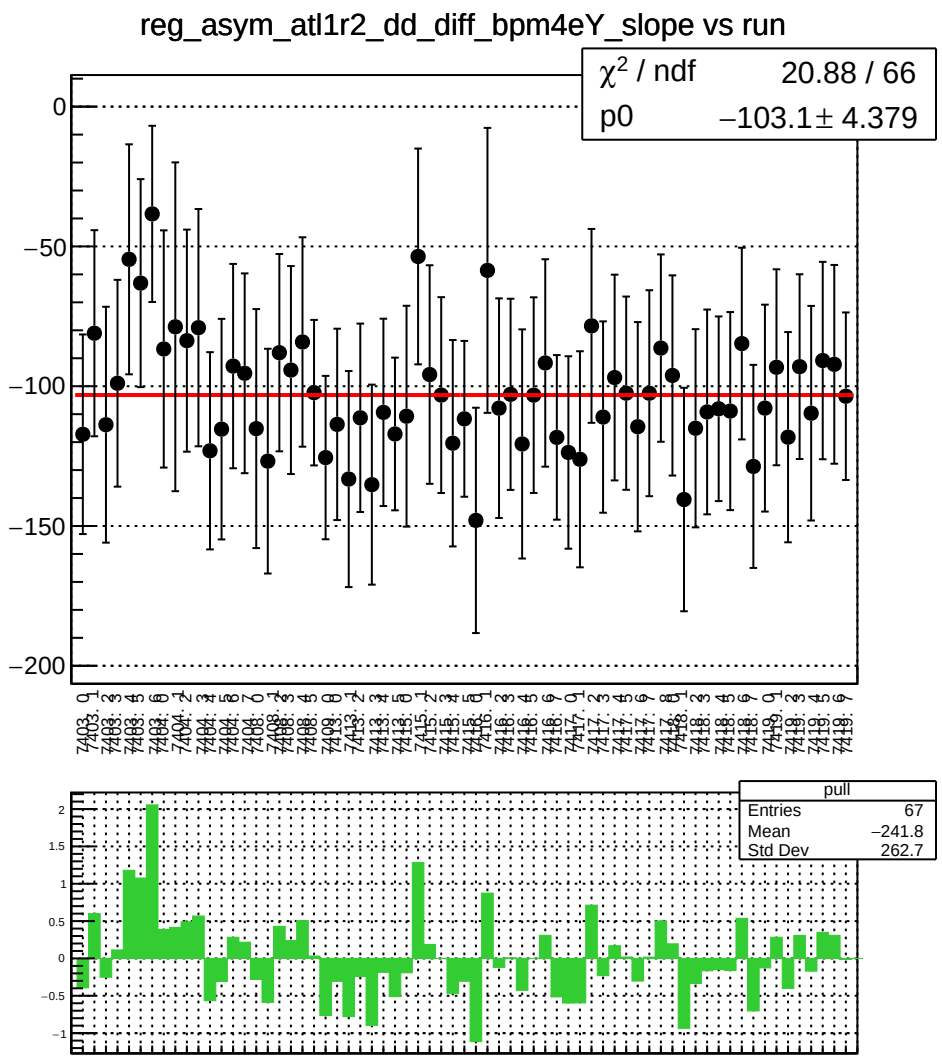

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 181 / 66
p0 −124.9 ± 0.1857
pull
Entries 67
Mean −5050
Std Dev 5082
pull1D
Entries 67
Mean 0.005111
Std Dev 1.644

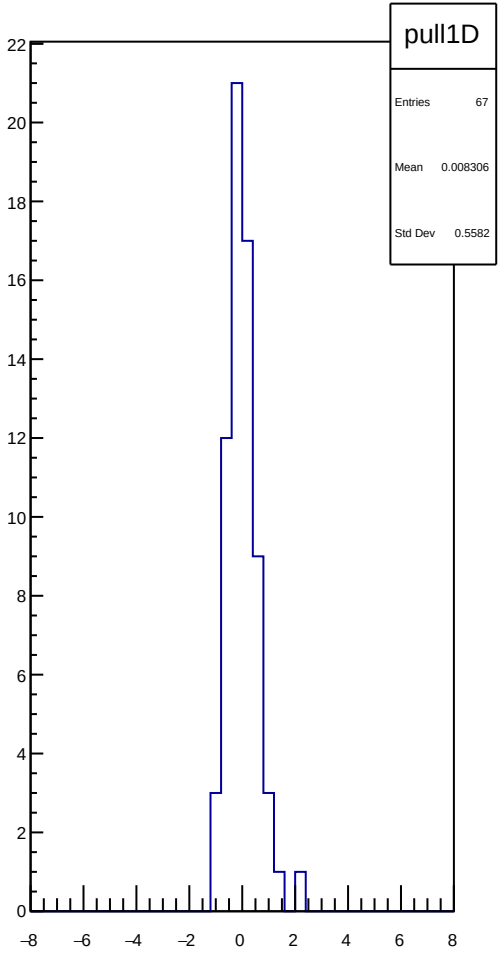

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 48.73 / 66
p0 149 ± 4.077
pull
Entries 67
Mean −46.88
Std Dev 70.32

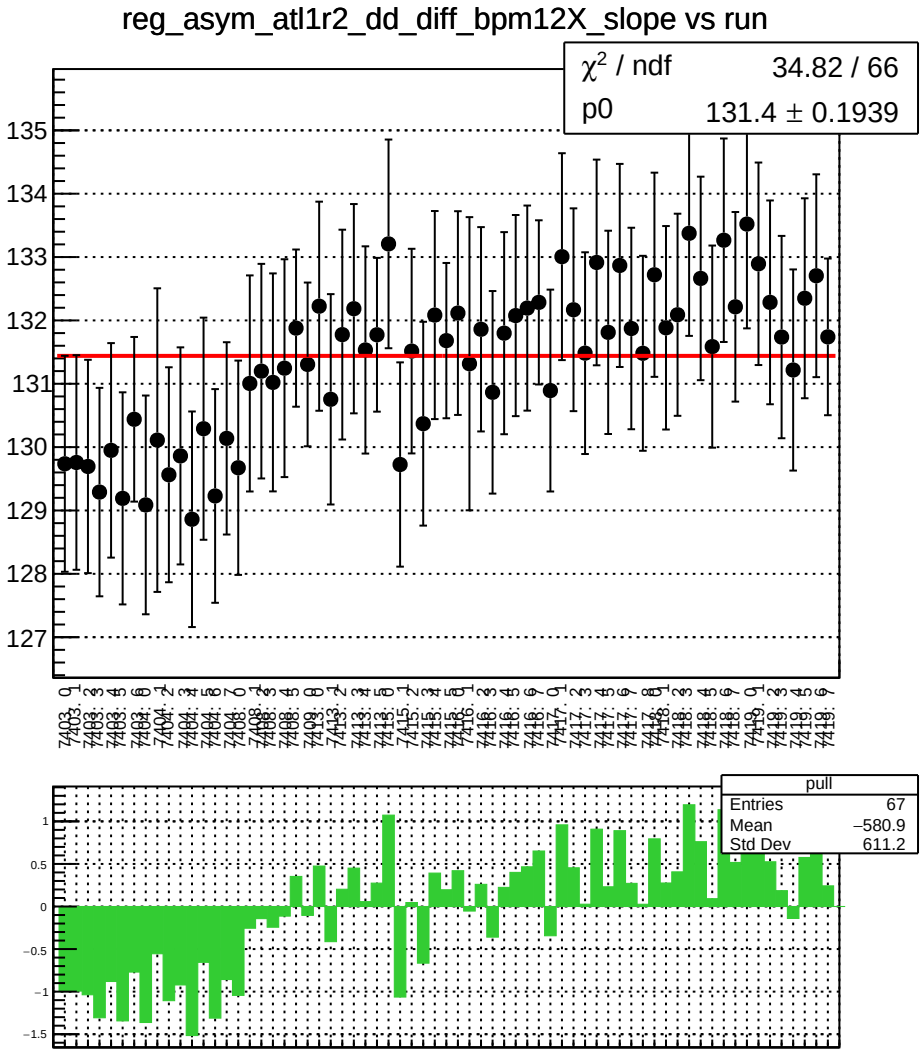

pull1D
Entries 67
Mean 0.06905
Std Dev 0.85

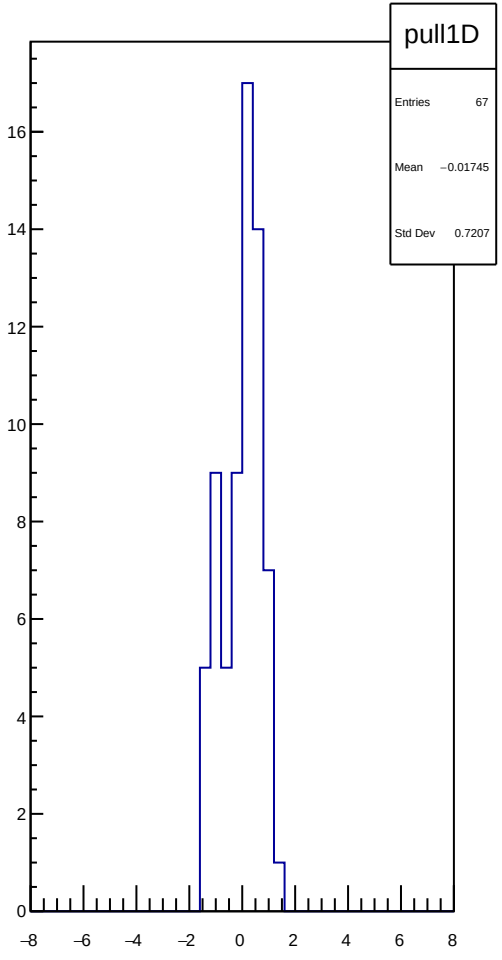

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.33 / 66
p0 32.71 ± 4.138
pull
Entries 67
Mean −644.8
Std Dev 667.5
pull1D
Entries 67
Mean −0.003438
Std Dev 0.5643

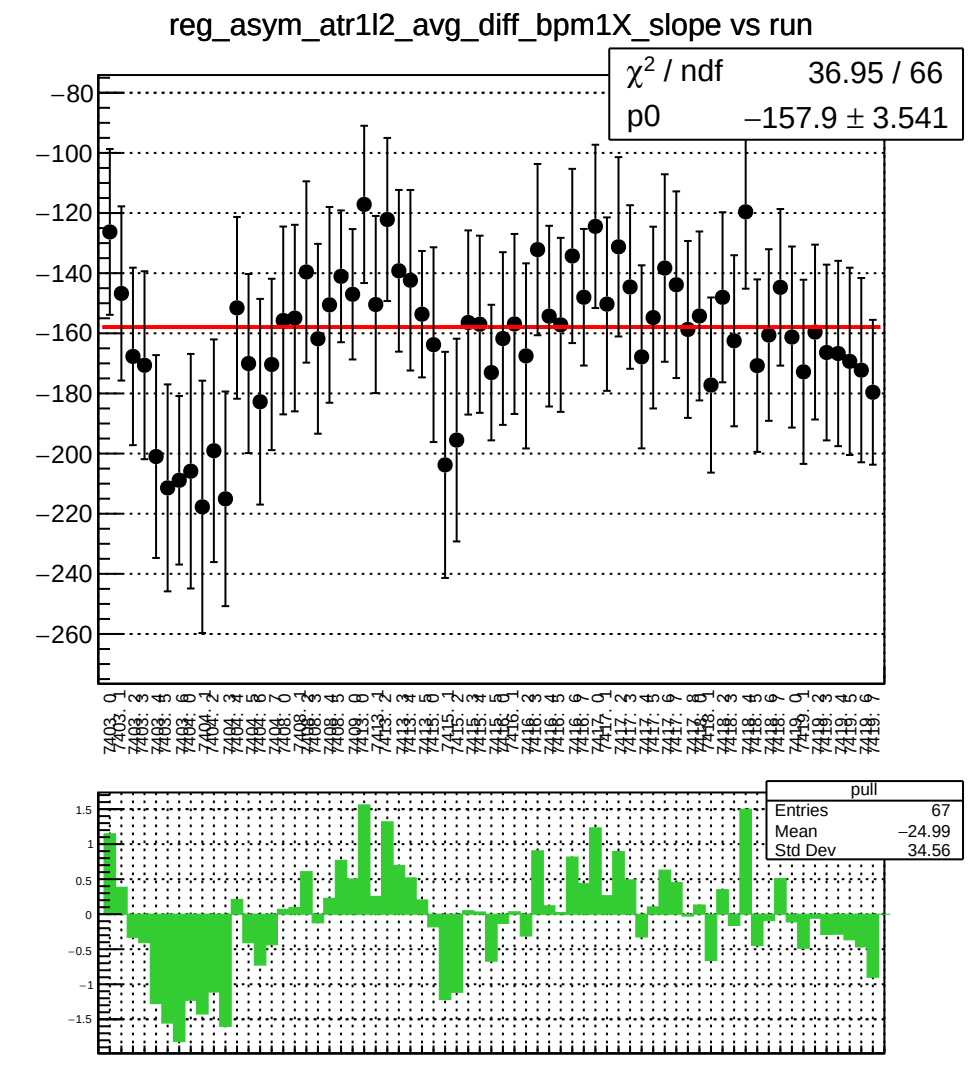

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.45 / 66
p0 −189.2 ± 4.236
pull
Entries 67
Mean −48.09
Std Dev 72.23
pull1D
Entries 67
Mean −0.07329
Std Dev 0.856

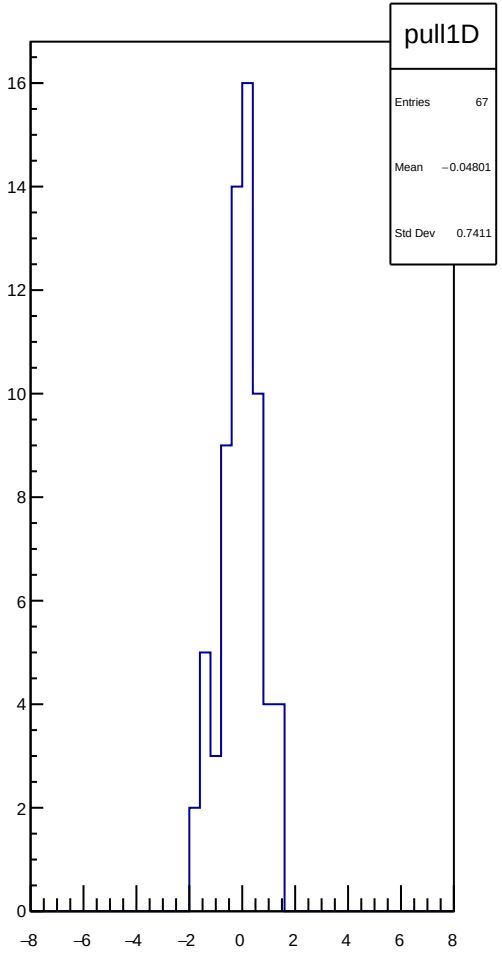

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.88 / 66
p0 −103.1 ± 4.379
pull
Entries 67
Mean −241.8
Std Dev 262.7

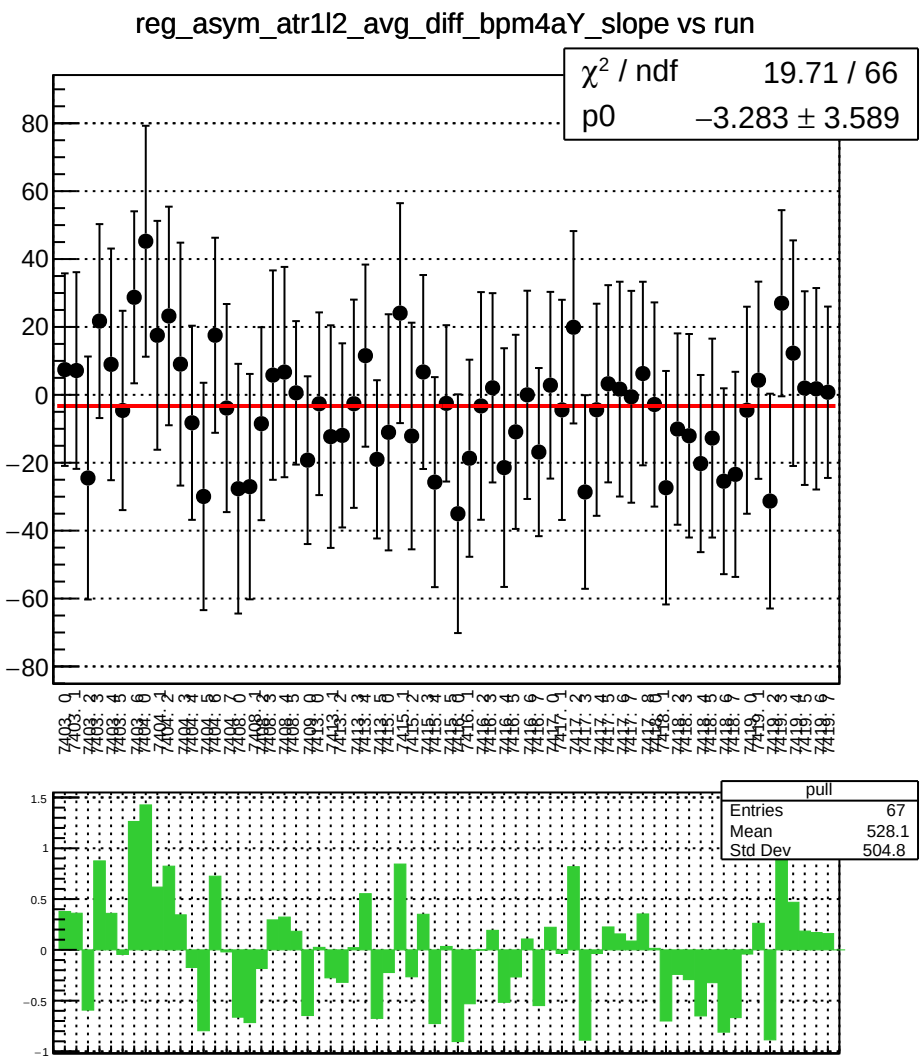

pull1D
Entries 67
Mean 0.008306
Std Dev 0.5582

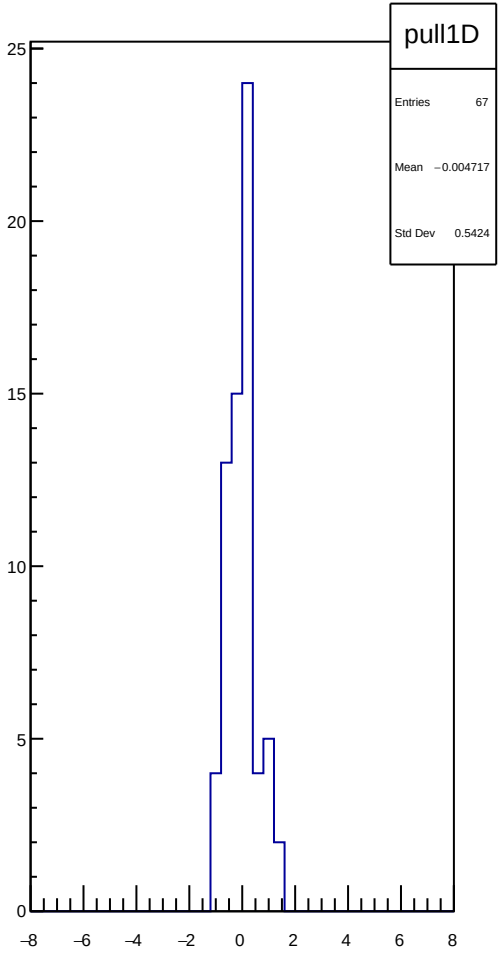

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 34.82 / 66
p0 131.4 ± 0.1939
pull
Entries 67
Mean −580.9
Std Dev 611.2

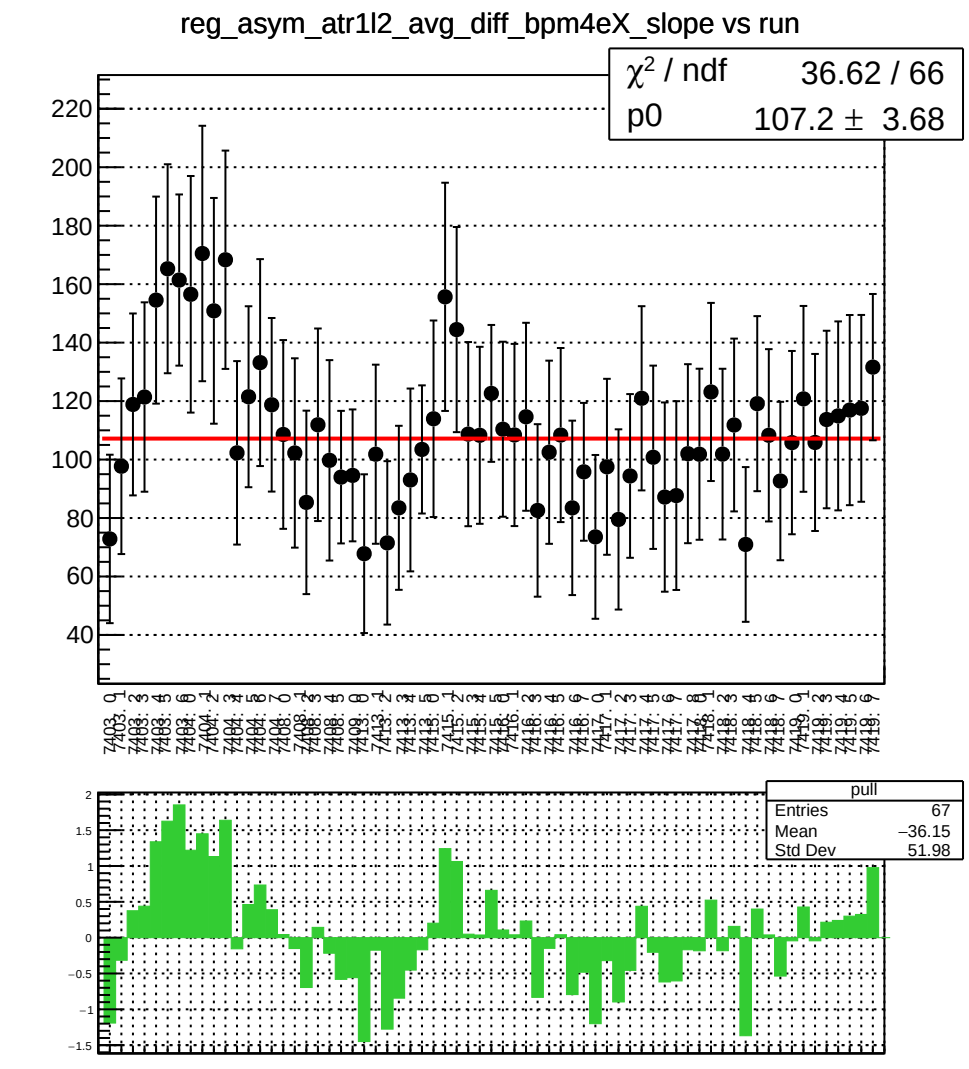

pull1D
Entries 67
Mean −0.01745
Std Dev 0.7207

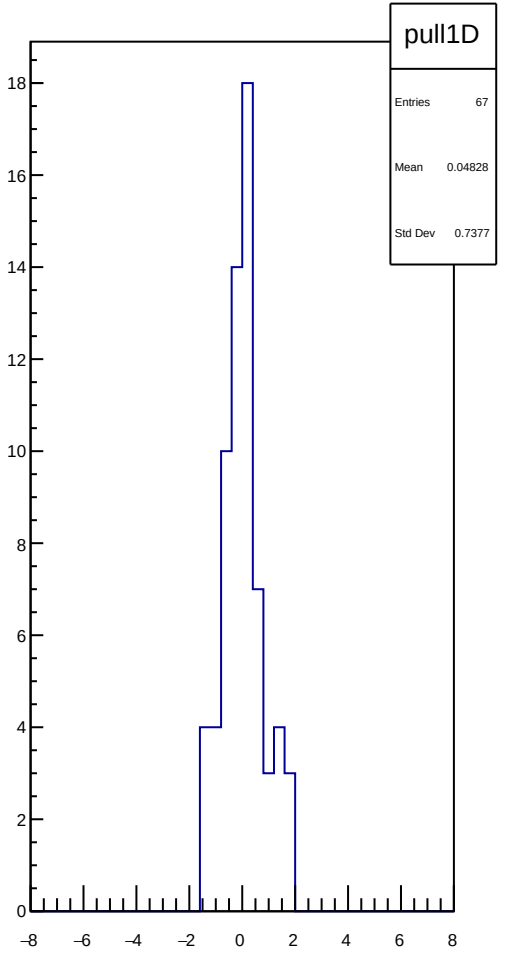

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 36.95 / 66
p0 −157.9 ± 3.541
pull
Entries 67
Mean −24.99
Std Dev 34.56

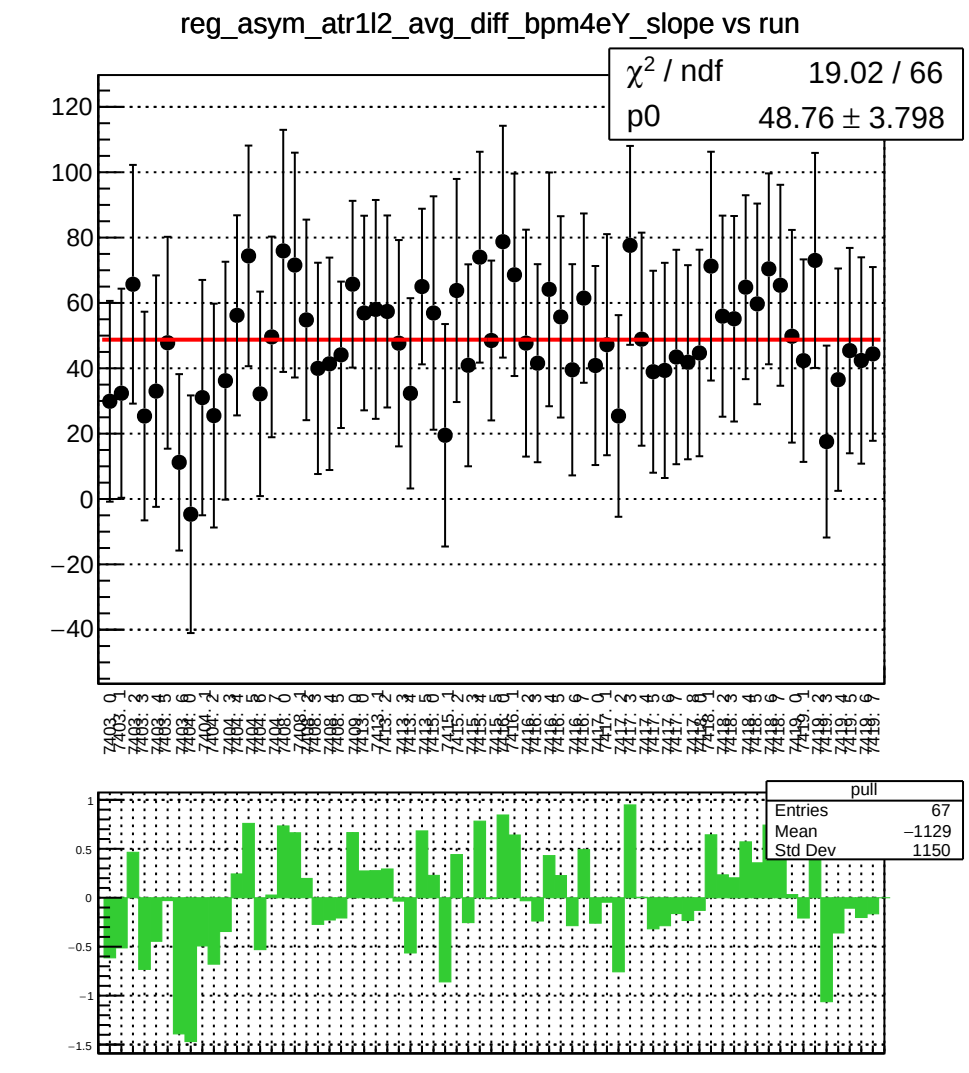

pull1D
Entries 67
Mean −0.04801
Std Dev 0.7411

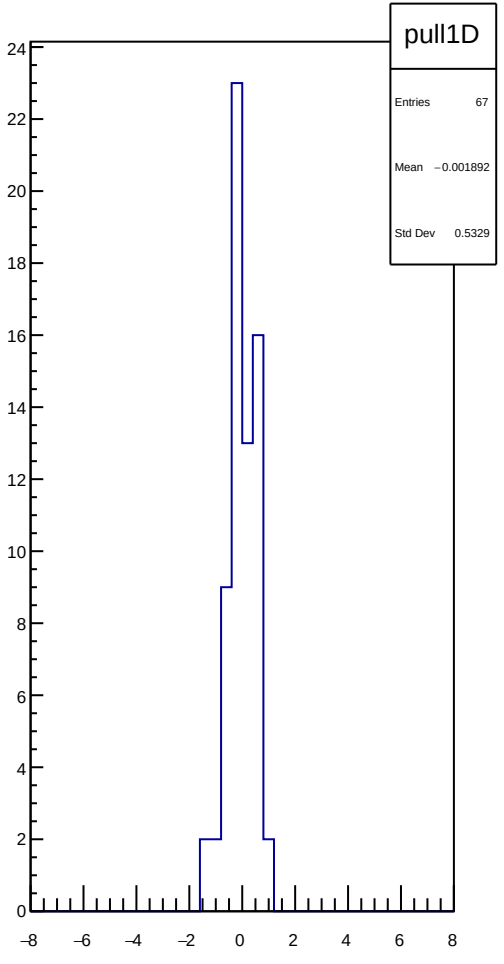

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.71 / 66
p0 −3.283 ± 3.589
pull
Entries 67
Mean 528.1
Std Dev 504.8

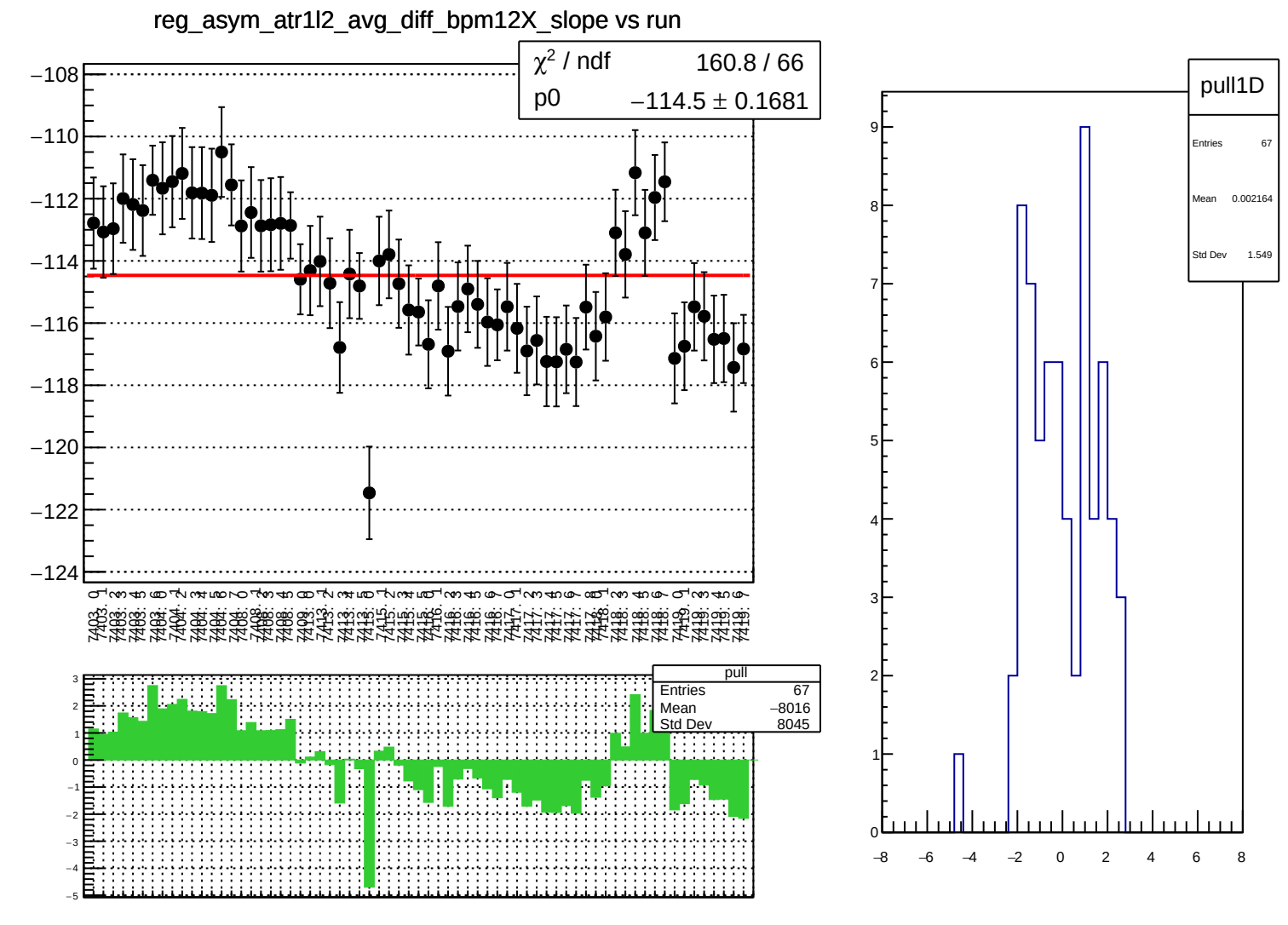

pull1D
Entries 67
Mean −0.004717
Std Dev 0.5424

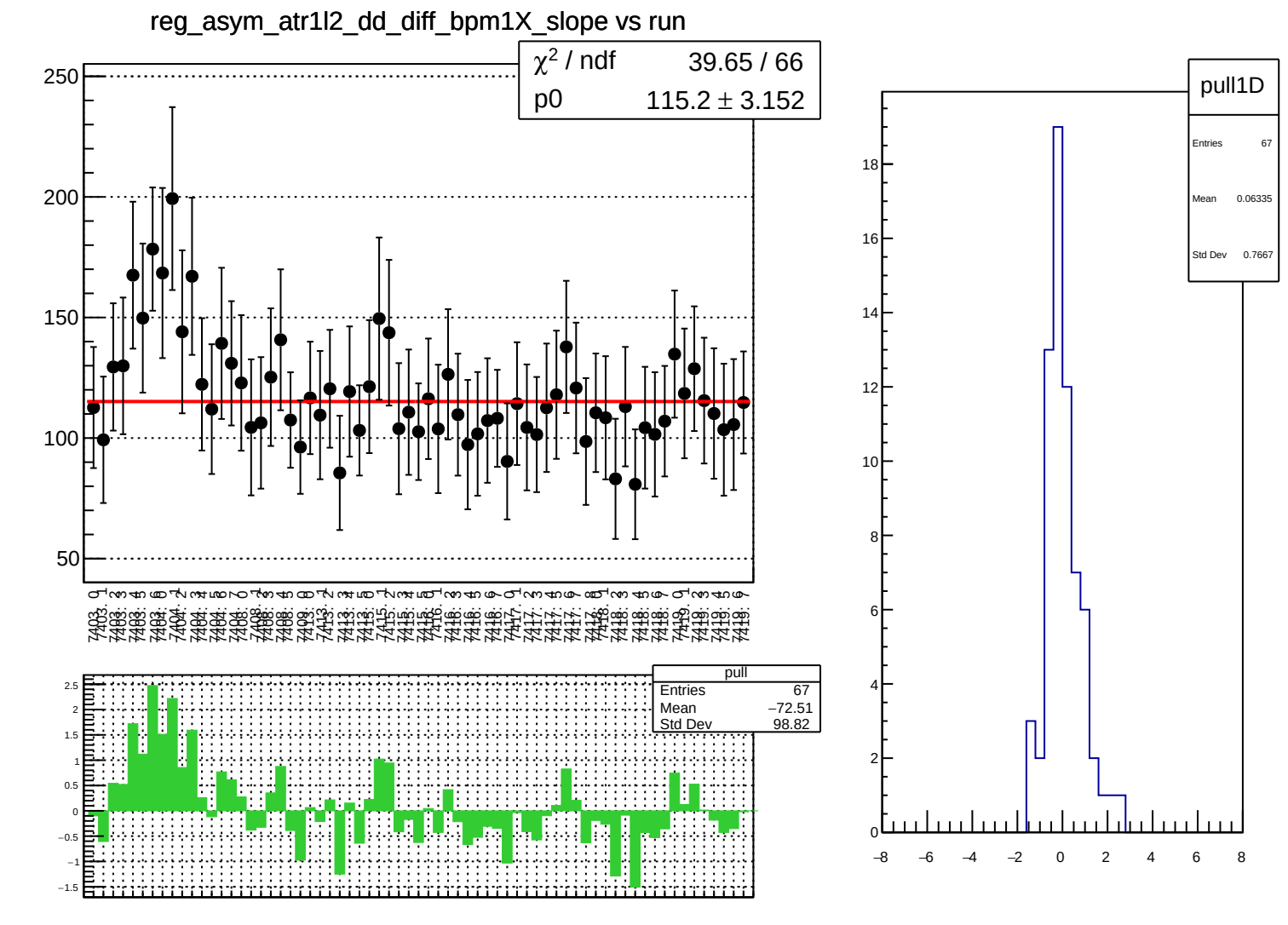

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.62 / 66
p0 107.2 ± 3.68
pull
Entries 67
Mean −36.15
Std Dev 51.98

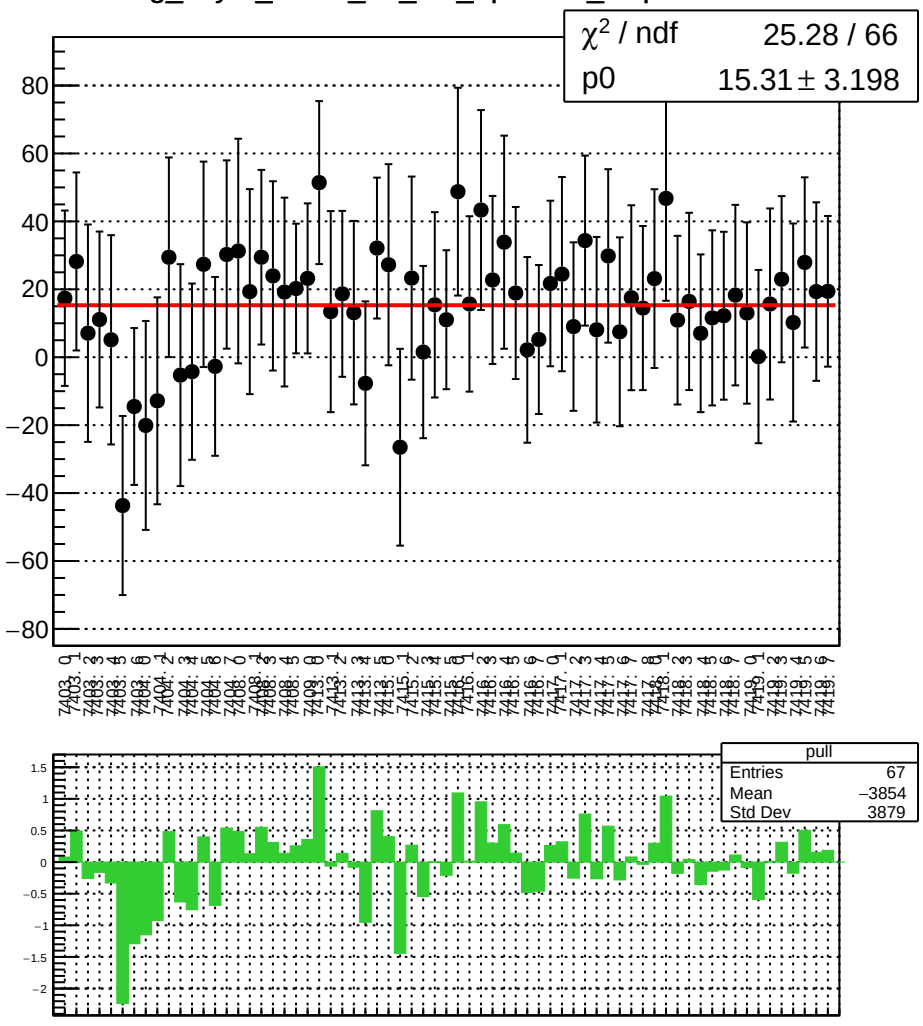

pull1D
Entries 67
Mean 0.04828
Std Dev 0.7377

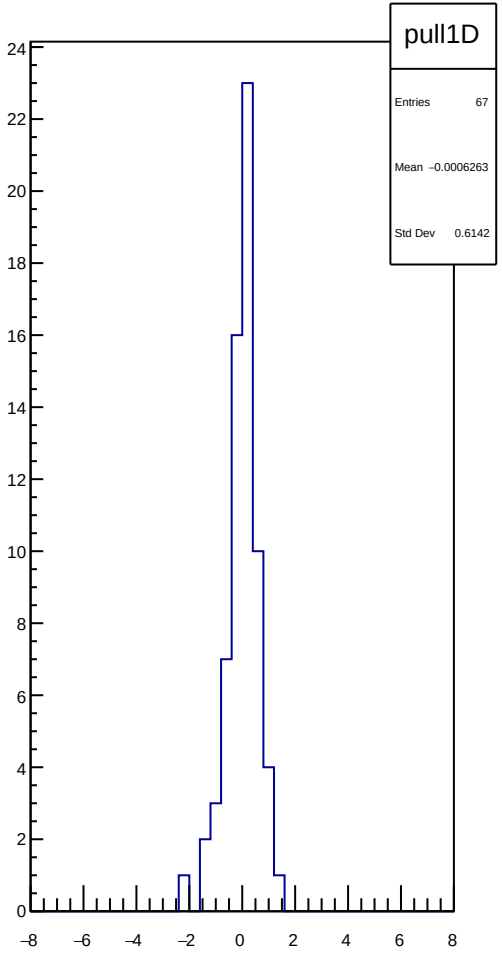

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.02 / 66
p0 48.76 ± 3.798
pull
Entries 67
Mean −1129
Std Dev 1150

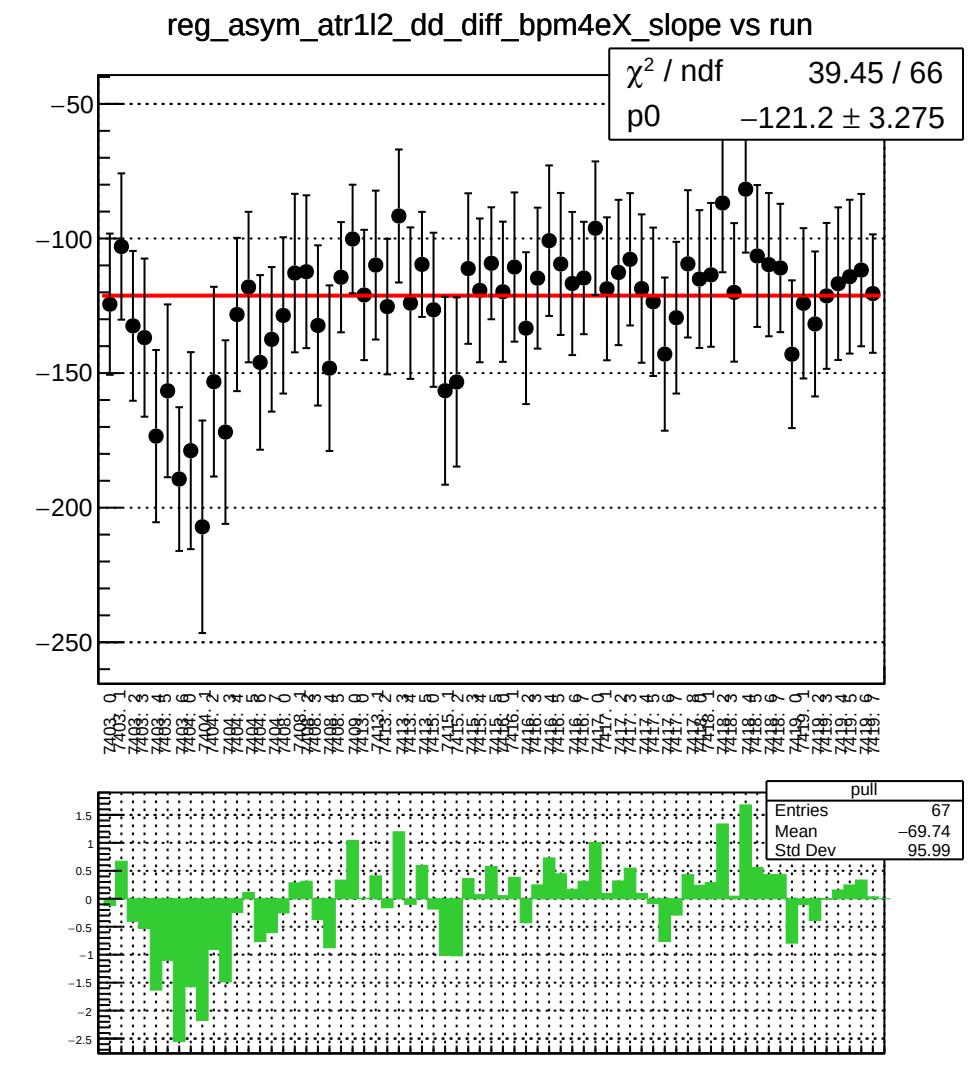

pull1D
Entries 67
Mean −0.001892
Std Dev 0.5329

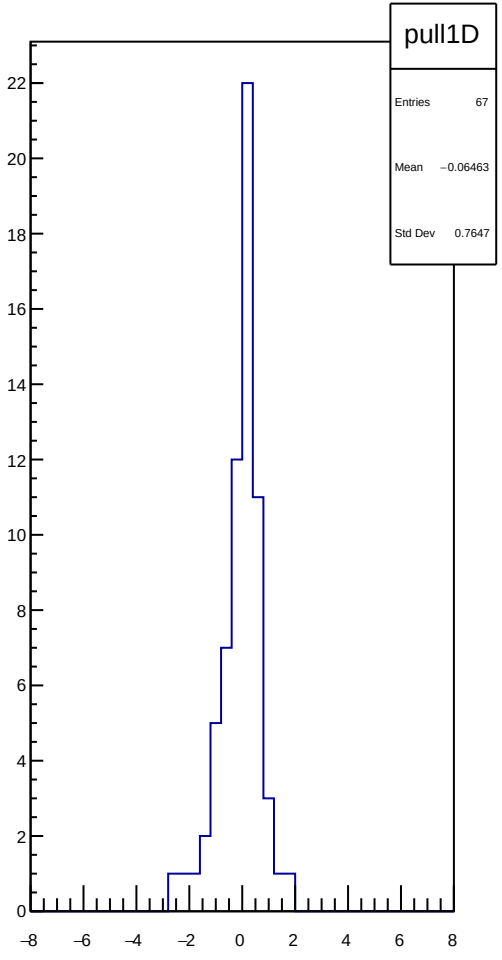

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 160.8 / 66
p0 −114.5 ± 0.1681
pull
Entries 67
Mean −8016
Std Dev 8045
pull1D
Entries 67
Mean 0.002164
Std Dev 1.549

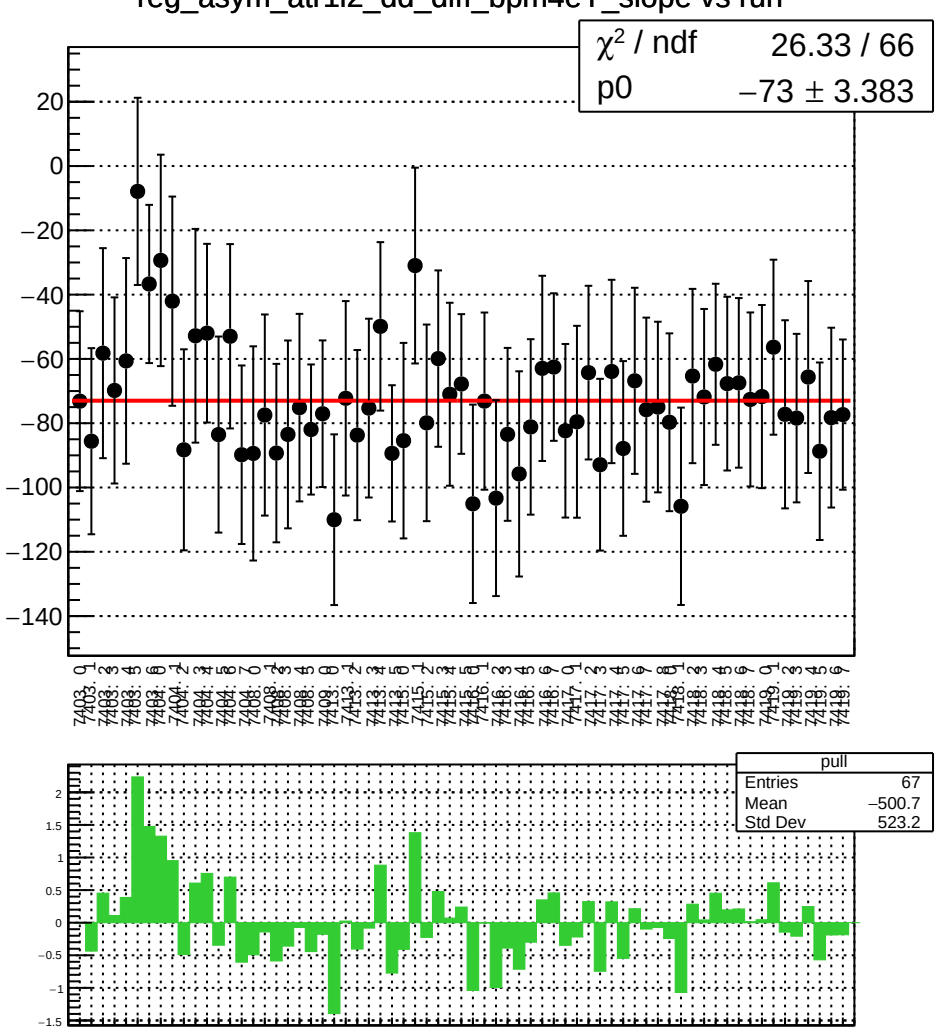

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 39.65 / 66
p0 115.2 ± 3.152
250
200
150
100
50
pull
Entries 67
Mean −72.51
Std Dev 98.82
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 67
Mean 0.06335
Std Dev 0.7667
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

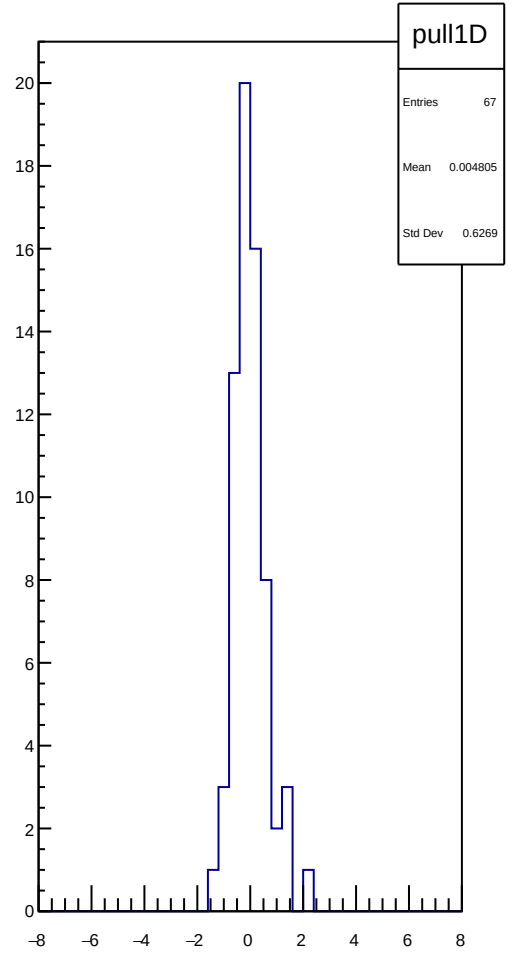

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.28 / 66
p0 15.31 ± 3.198
pull
Entries 67
Mean −3854
Std Dev 3879

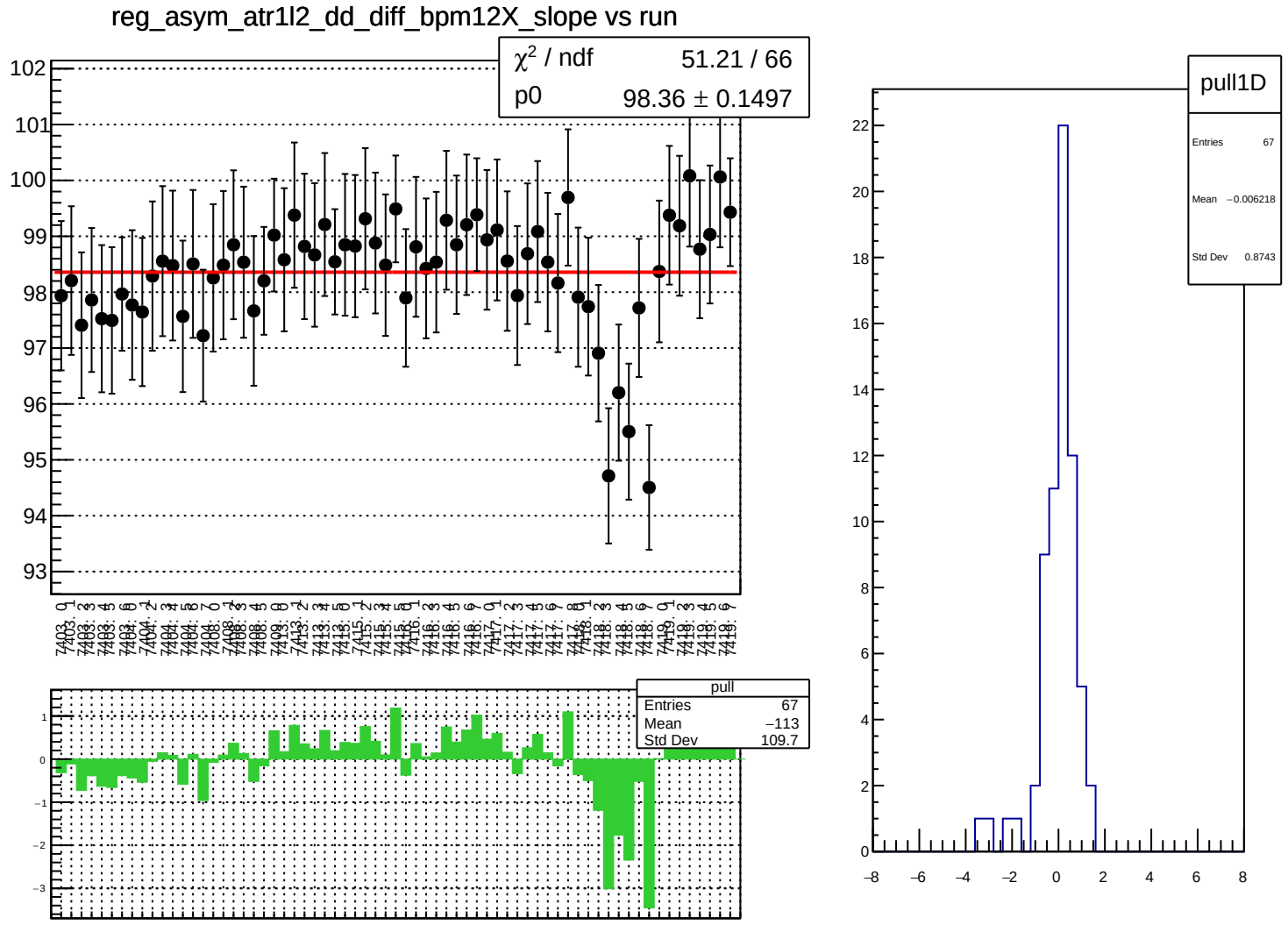

pull1D
Entries 67
Mean −0.0006263
Std Dev 0.6142

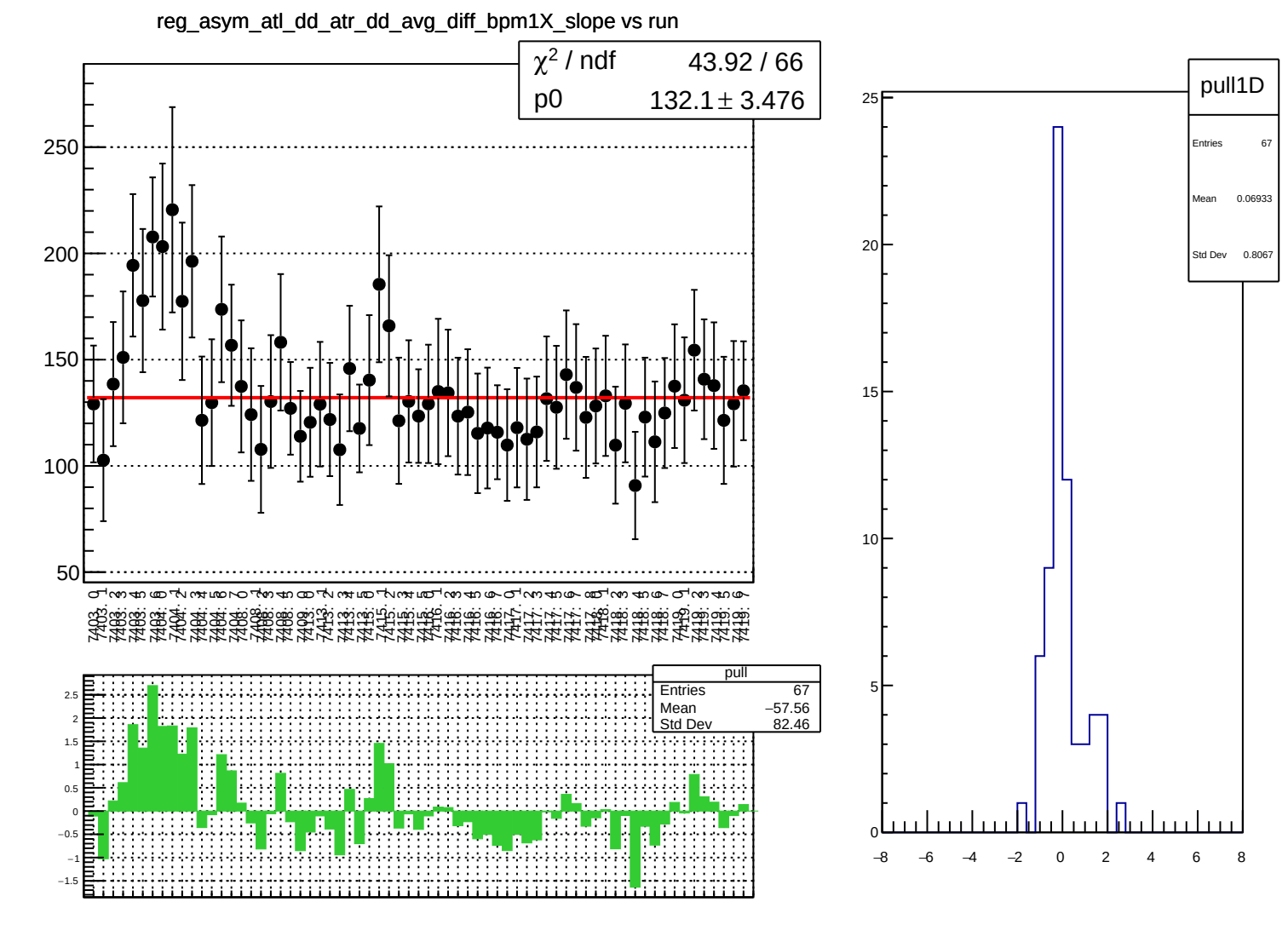

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.45 / 66
p0 −121.2 ± 3.275
pull
Entries 67
Mean −69.74
Std Dev 95.99

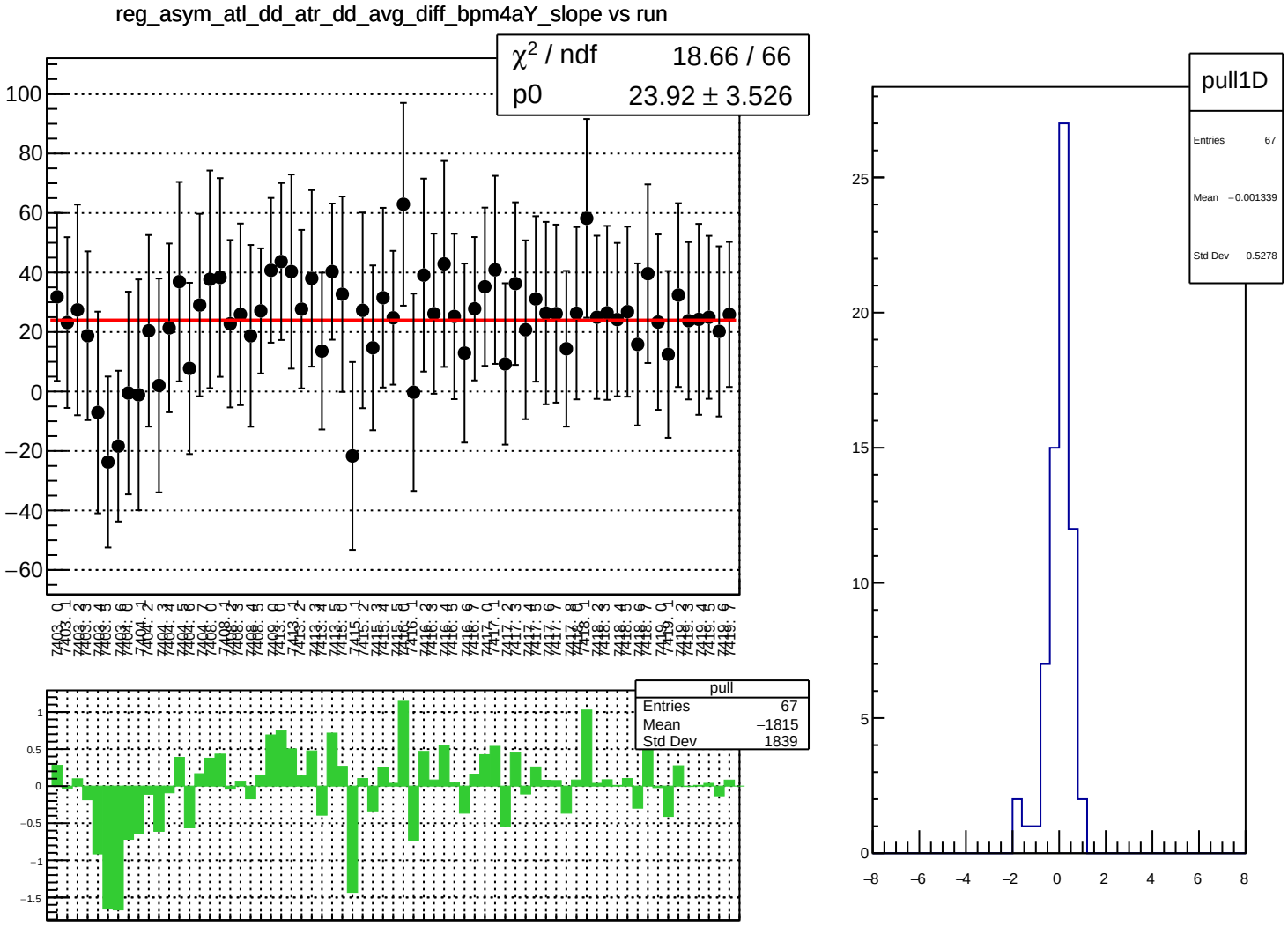

pull1D
Entries 67
Mean −0.06463
Std Dev 0.7647

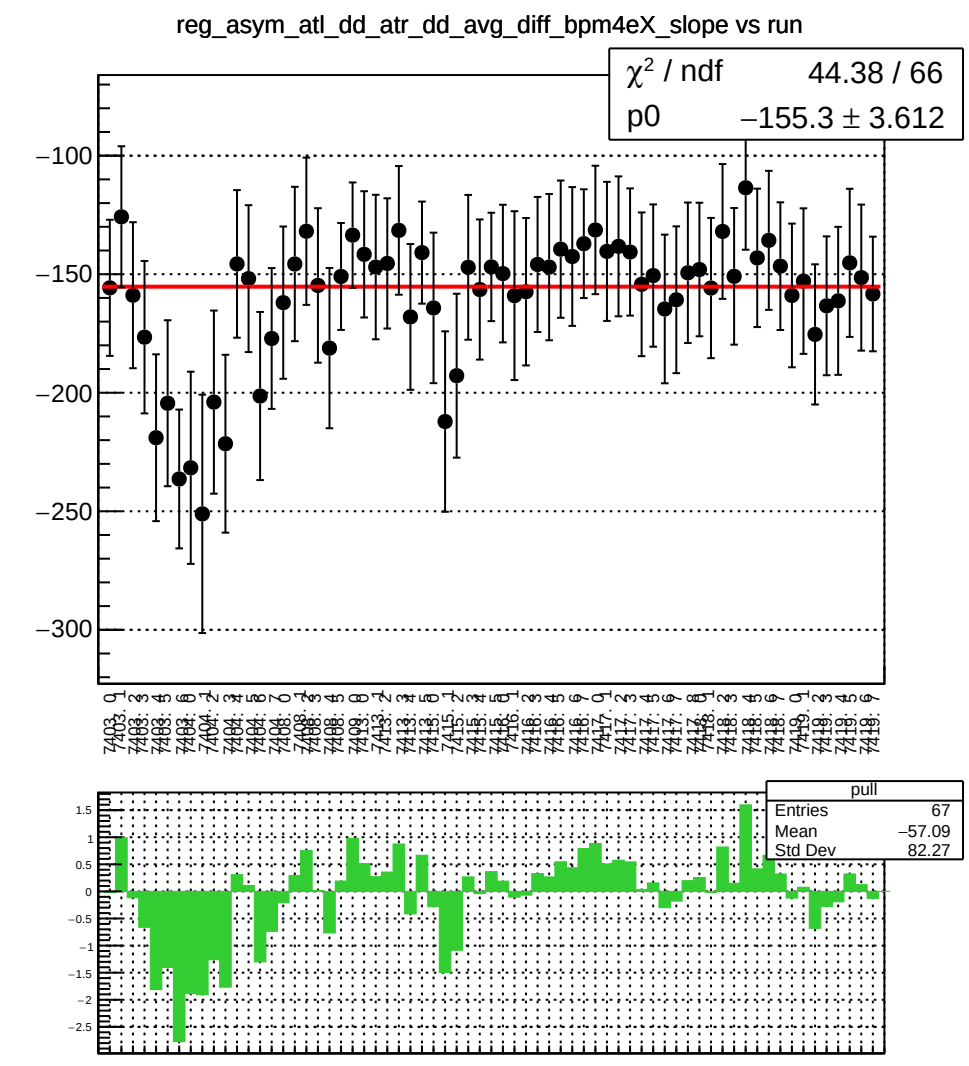

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.33 / 66
p0 −73 ± 3.383
pull
Entries 67
Mean −500.7
Std Dev 523.2

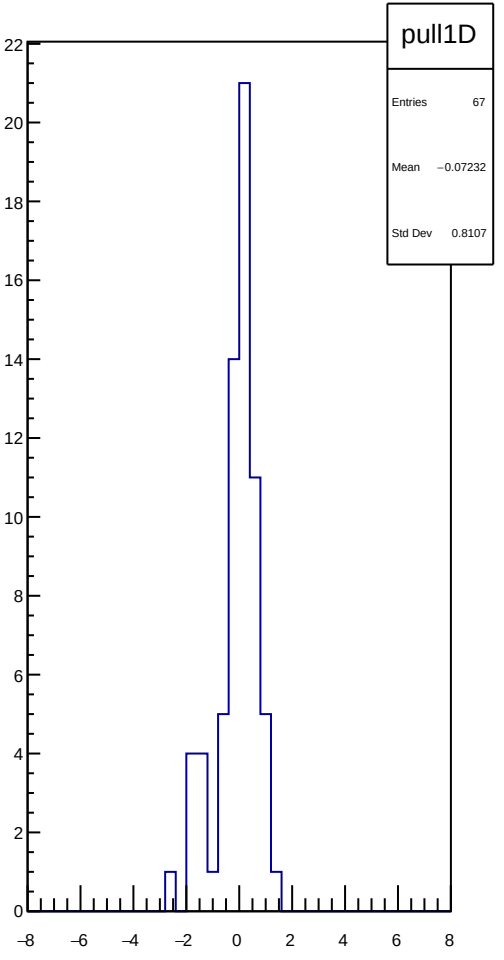

pull1D
Entries 67
Mean 0.004805
Std Dev 0.6269

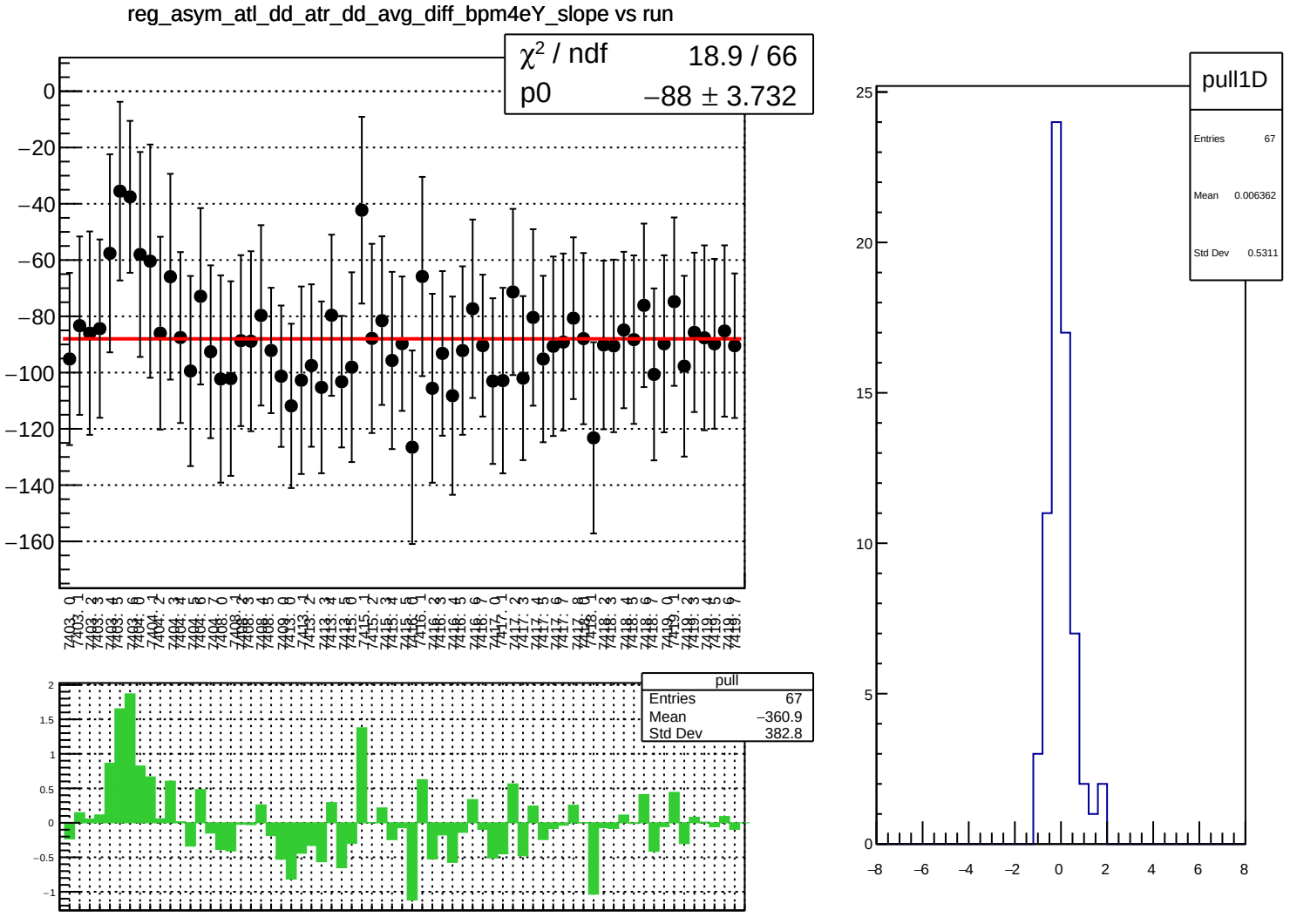

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 51.21 / 66
p0 98.36 ± 0.1497
pull
Entries 67
Mean −113
Std Dev 109.7
pull1D
Entries 67
Mean −0.006218
Std Dev 0.8743

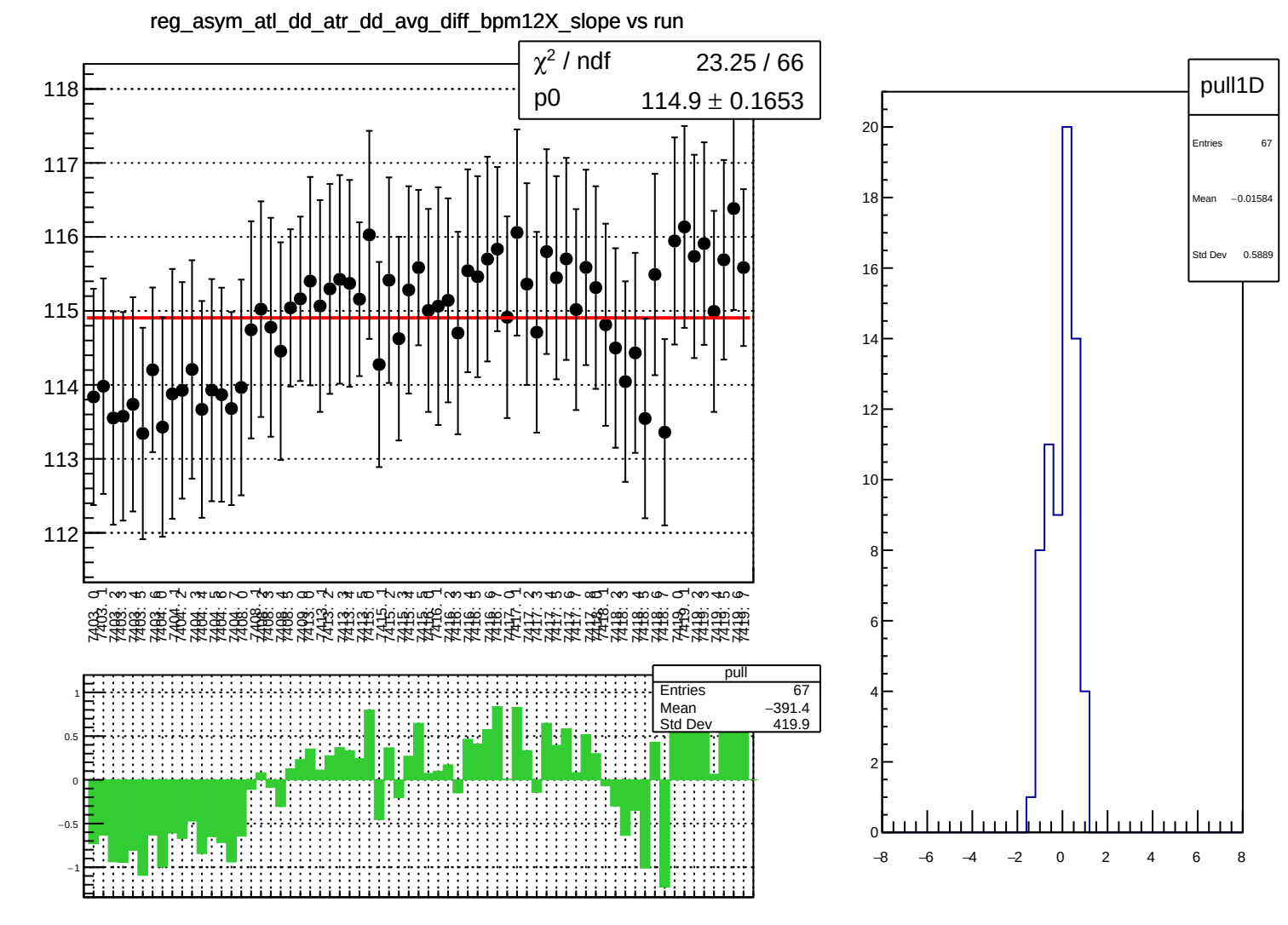

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 43.92 / 66
p0 132.1 ± 3.476
pull
Entries 67
Mean −57.56
Std Dev 82.46
pull1D
Entries 67
Mean 0.06933
Std Dev 0.8067

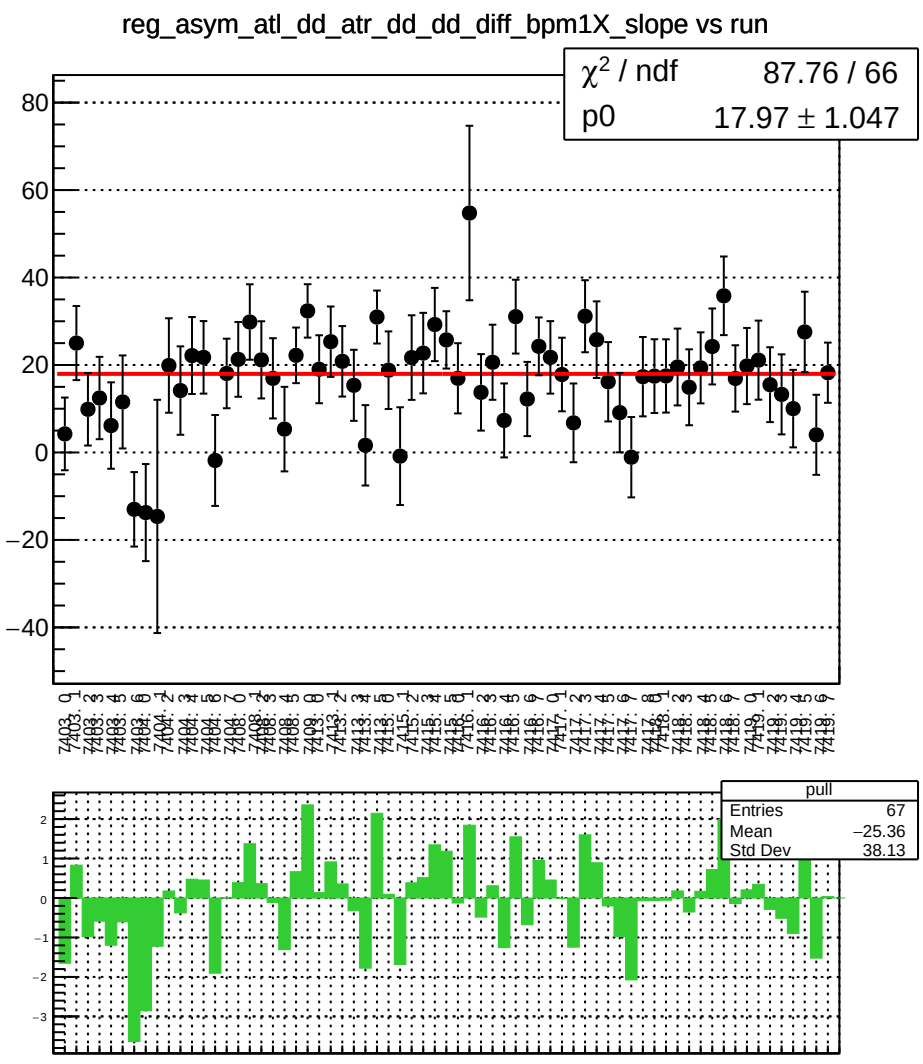

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.66 / 66
p0 23.92 ± 3.526
pull
Entries 67
Mean −1815
Std Dev 1839
pull1D
Entries 67
Mean −0.001339
Std Dev 0.5278

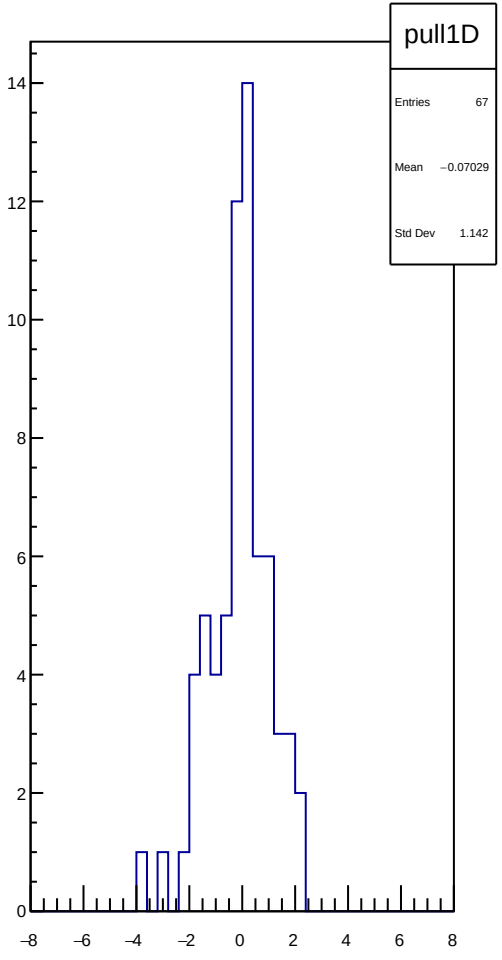

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.38 / 66
p0 −155.3 ± 3.612
pull
Entries 67
Mean −57.09
Std Dev 82.27

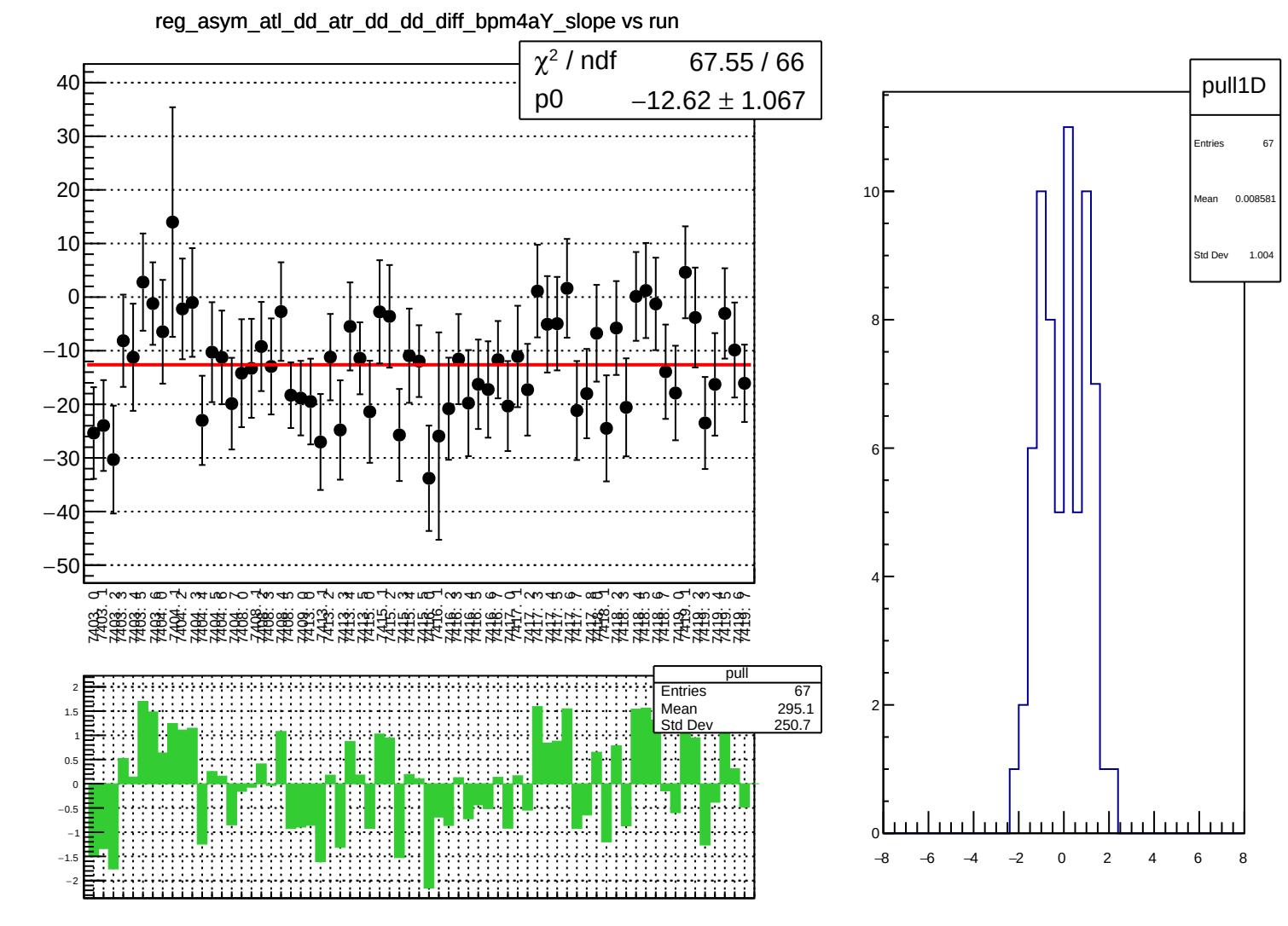

pull1D
Entries 67
Mean −0.07232
Std Dev 0.8107

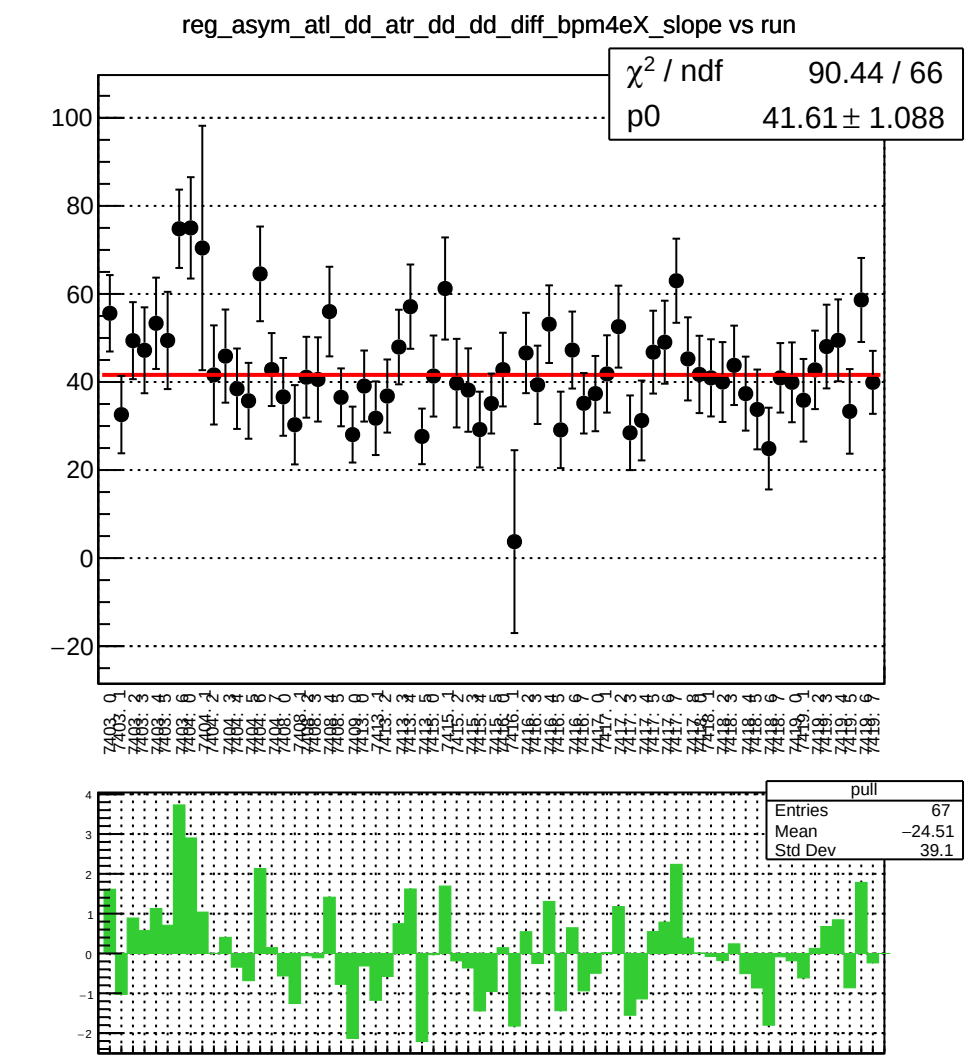

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.9 / 66
p0 −88 ± 3.732
pull
Entries 67
Mean −360.9
Std Dev 382.8
pull1D
Entries 67
Mean 0.006362
Std Dev 0.5311

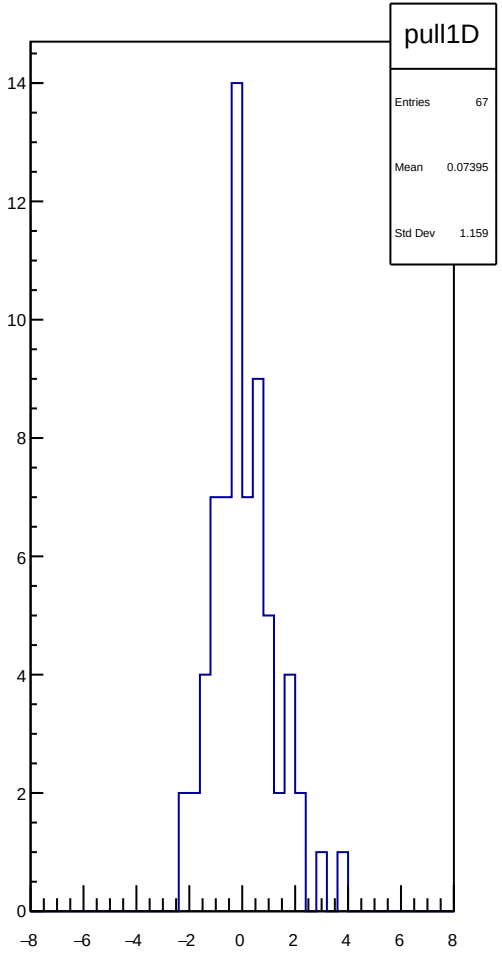

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 23.25 / 66
p0 114.9 ± 0.1653
118
117
116
115
114
113
112
pull
Entries 67
Mean −391.4
Std Dev 419.9
1
0.5
0
−0.5
−1
pull1D
Entries 67
Mean −0.01584
Std Dev 0.5889
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

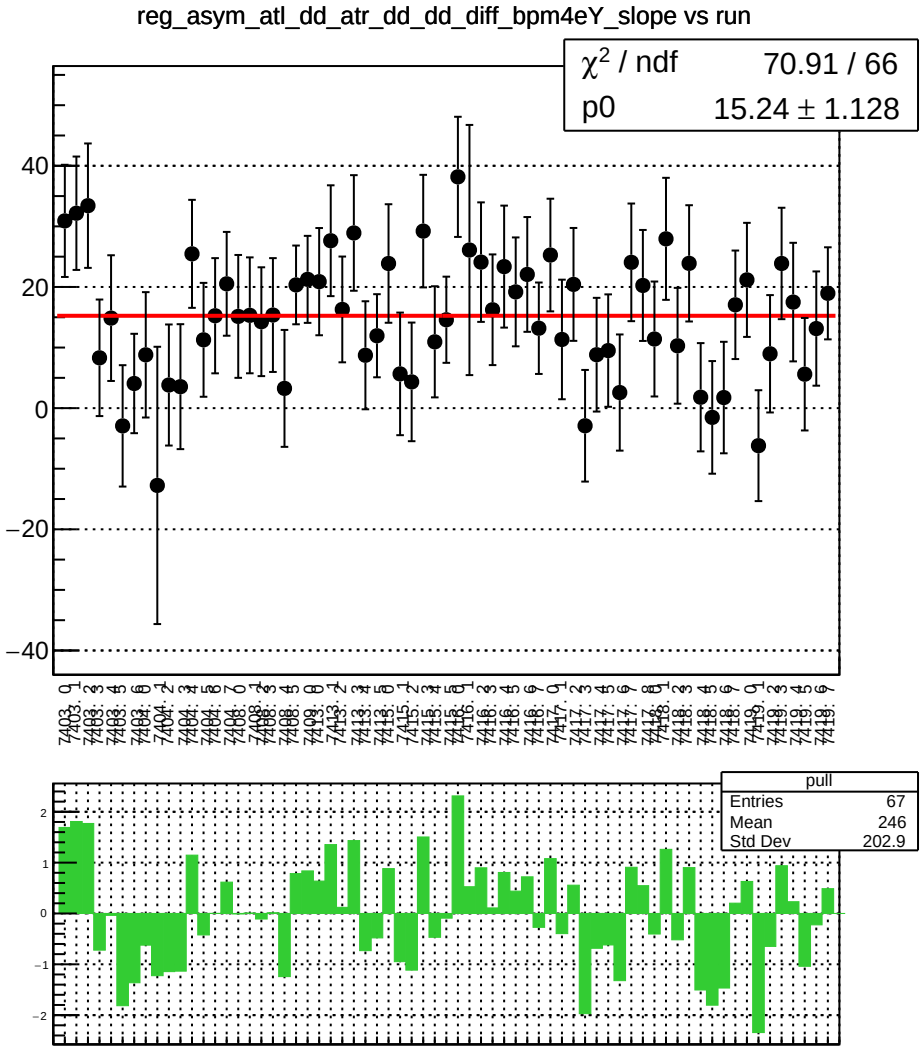

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 87.76 / 66
p0 17.97 ± 1.047
pull
Entries 67
Mean −25.36
Std Dev 38.13

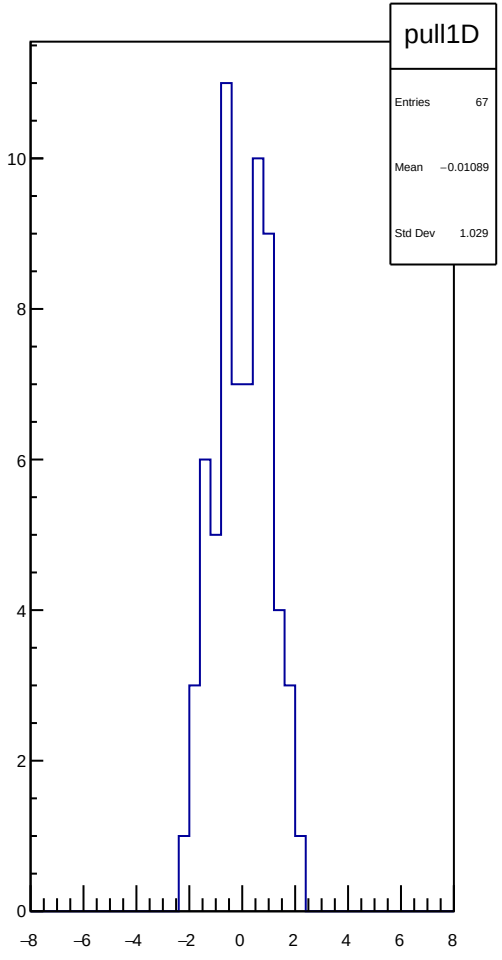

pull1D
Entries 67
Mean −0.07029
Std Dev 1.142

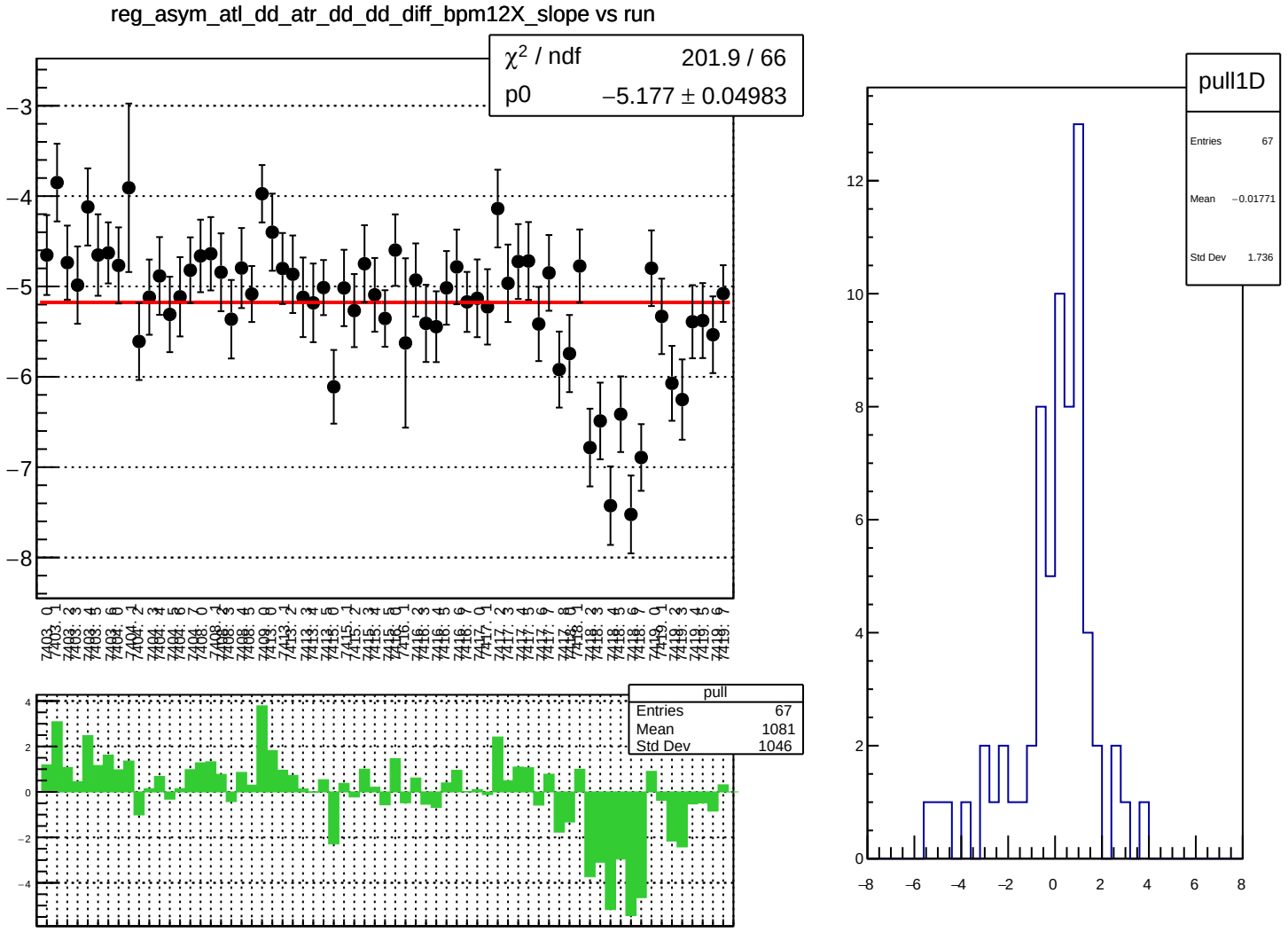

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.55 / 66
p0 −12.62 ± 1.067
pull
Entries 67
Mean 295.1
Std Dev 250.7
pull1D
Entries 67
Mean 0.008581
Std Dev 1.004

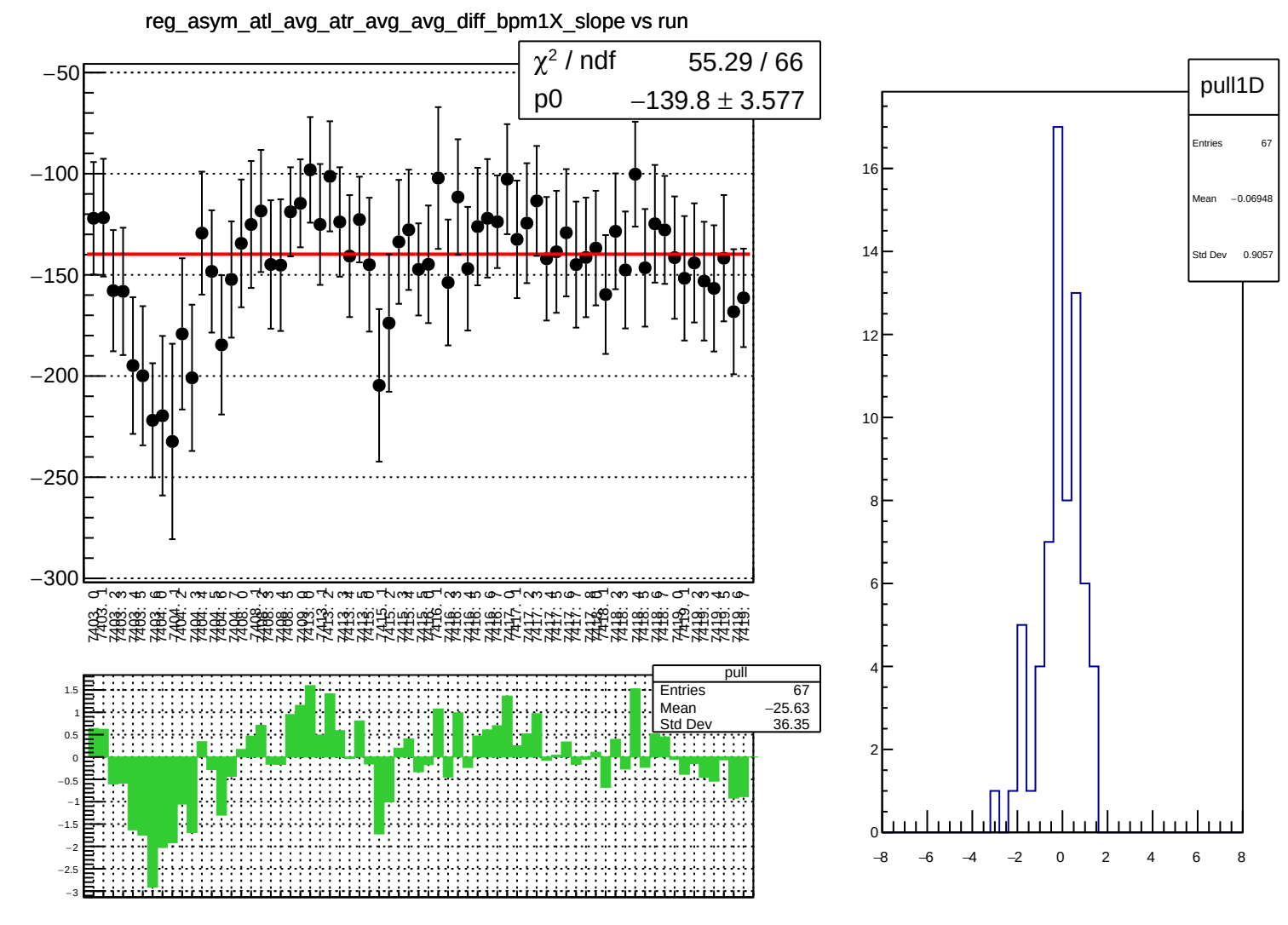

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.44 / 66
p0 41.61 ± 1.088
pull
Entries 67
Mean −24.51
Std Dev 39.1

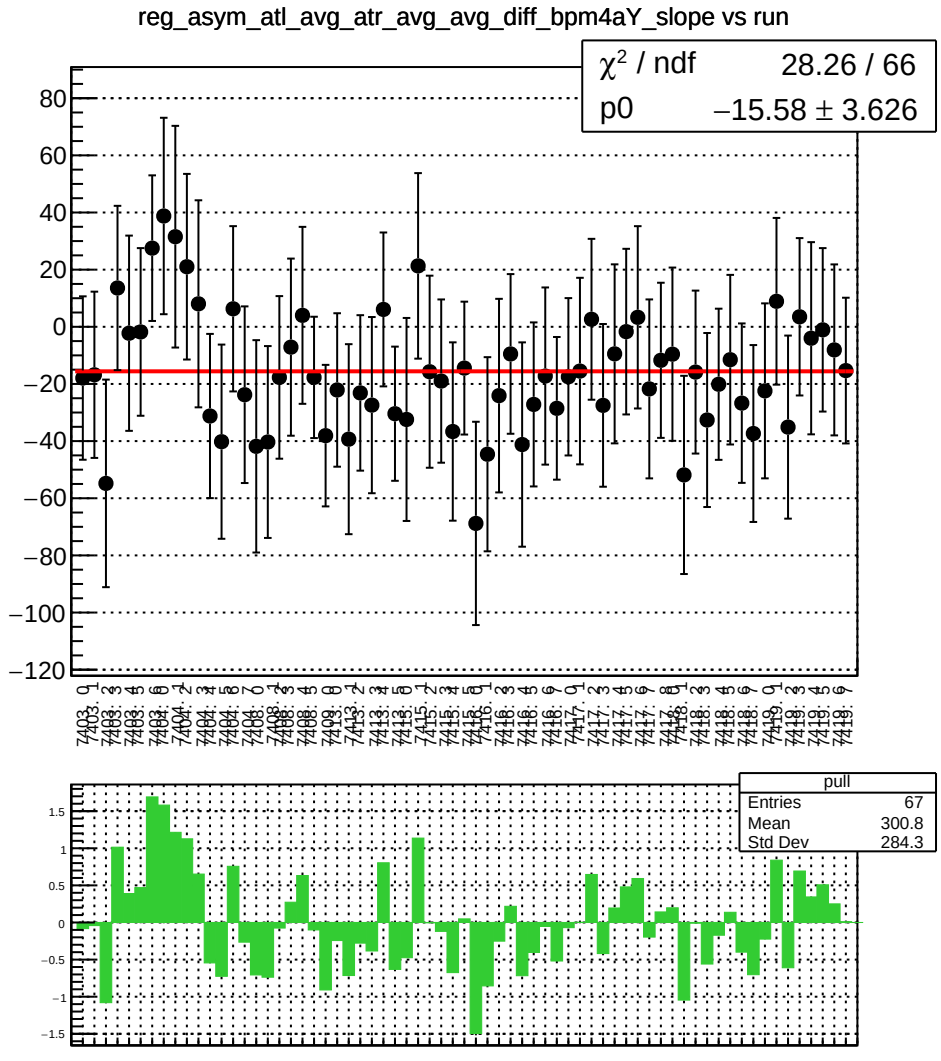

pull1D
Entries 67
Mean 0.07395
Std Dev 1.159

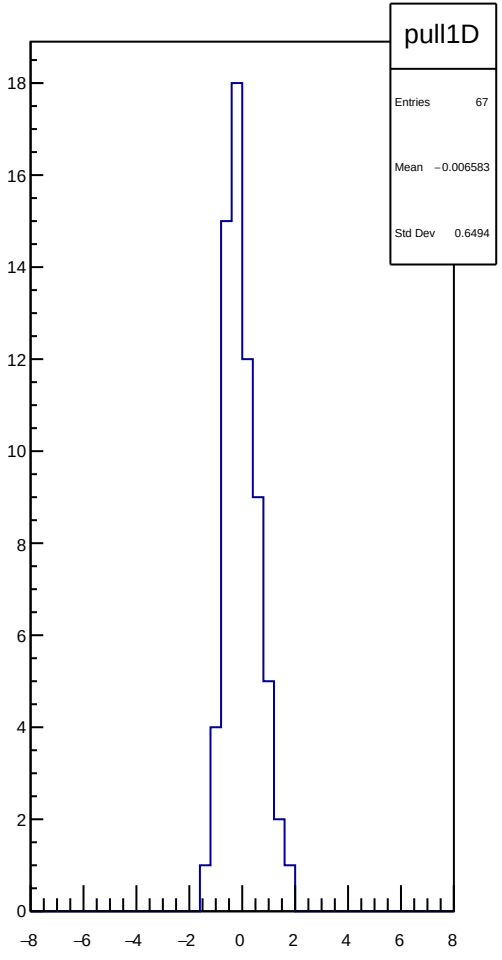

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.91 / 66
p0 15.24 ± 1.128
40
20
0
−20
−40
pull
Entries 67
Mean 246
Std Dev 202.9
2
1
0
−1
−2

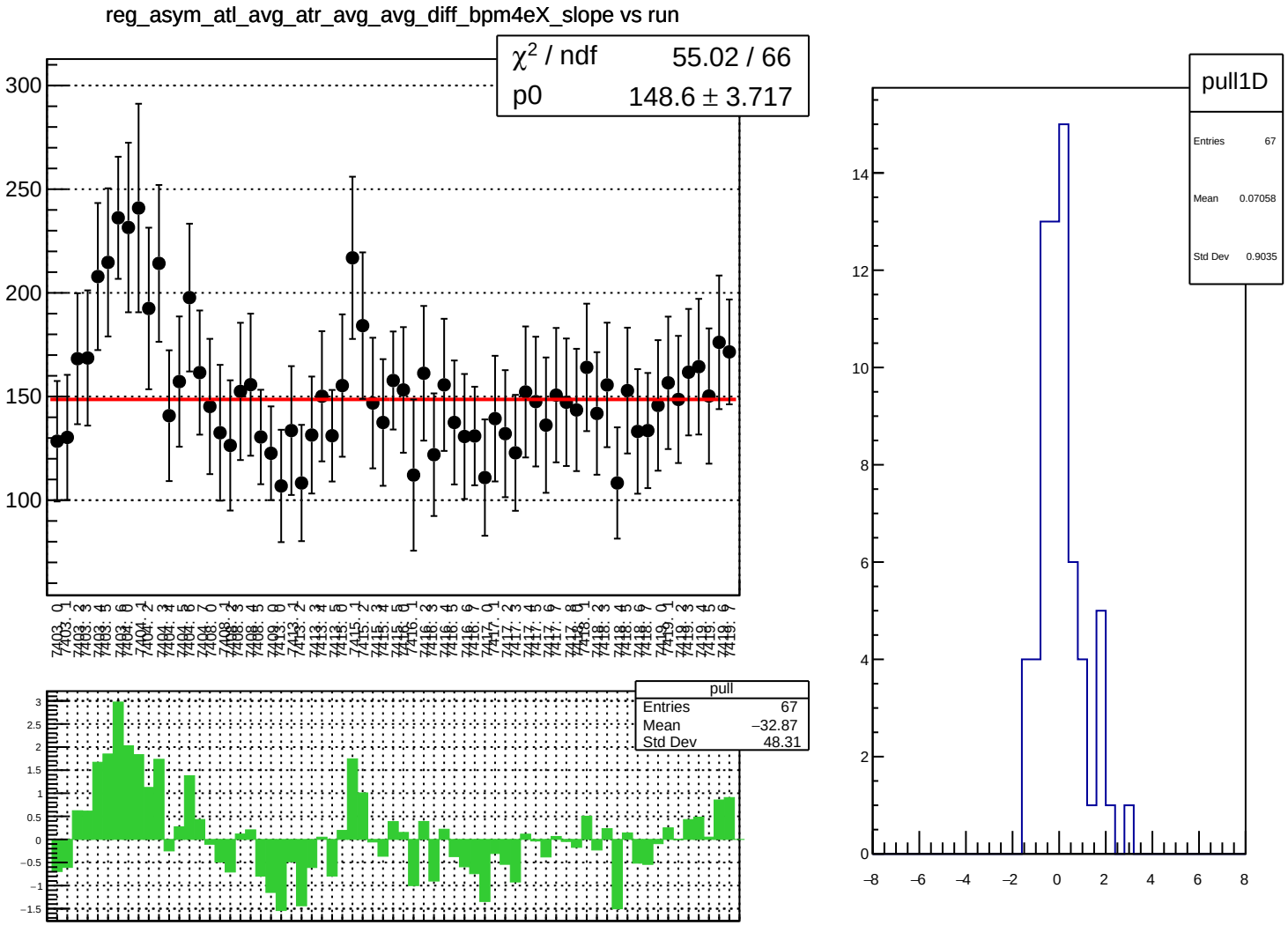

pull1D
Entries 67
Mean −0.01089
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

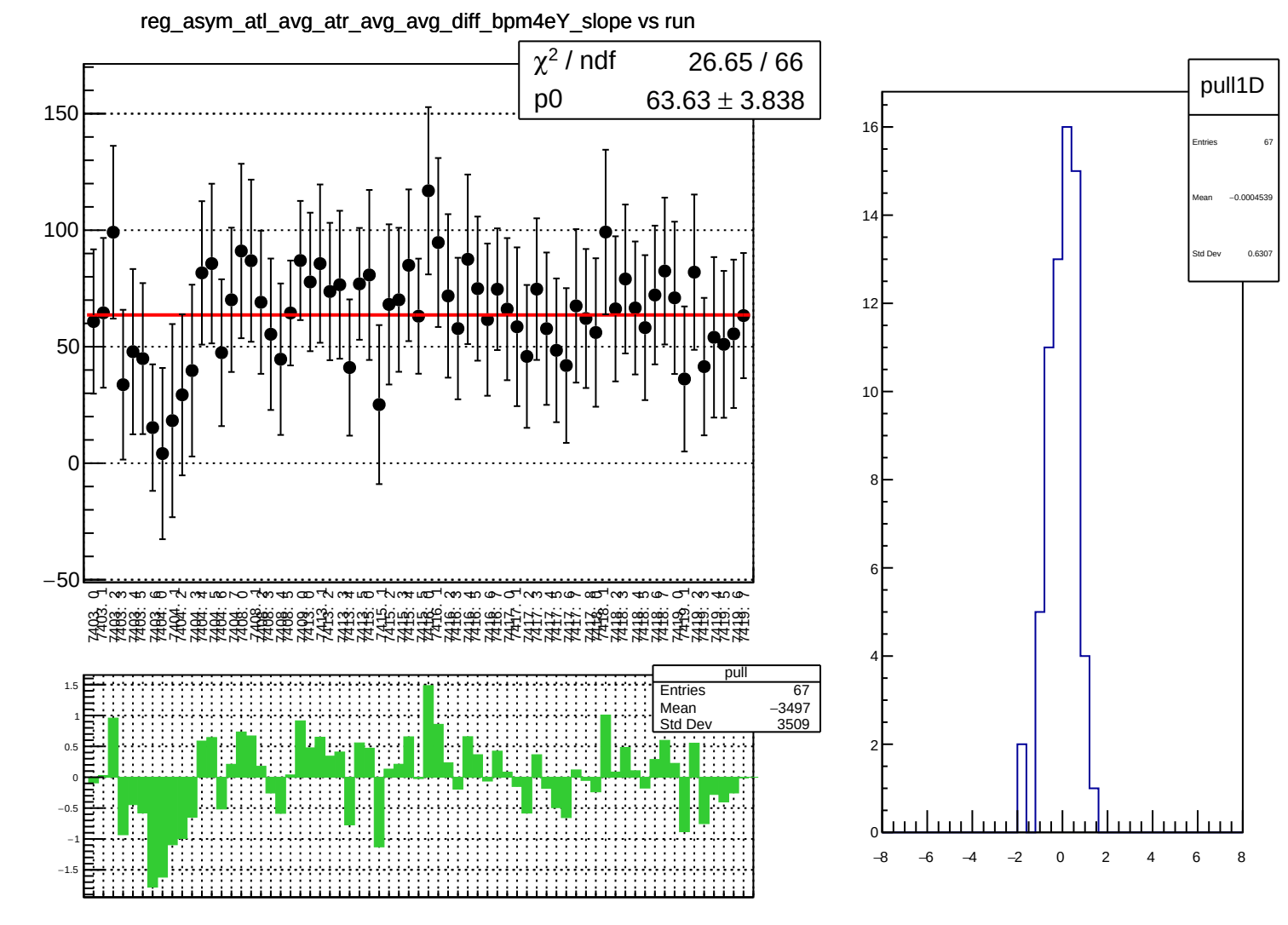

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 201.9 / 66
p0 −5.177 ± 0.04983
pull
Entries 67
Mean 1081
Std Dev 1046
pull1D
Entries 67
Mean −0.01771
Std Dev 1.736

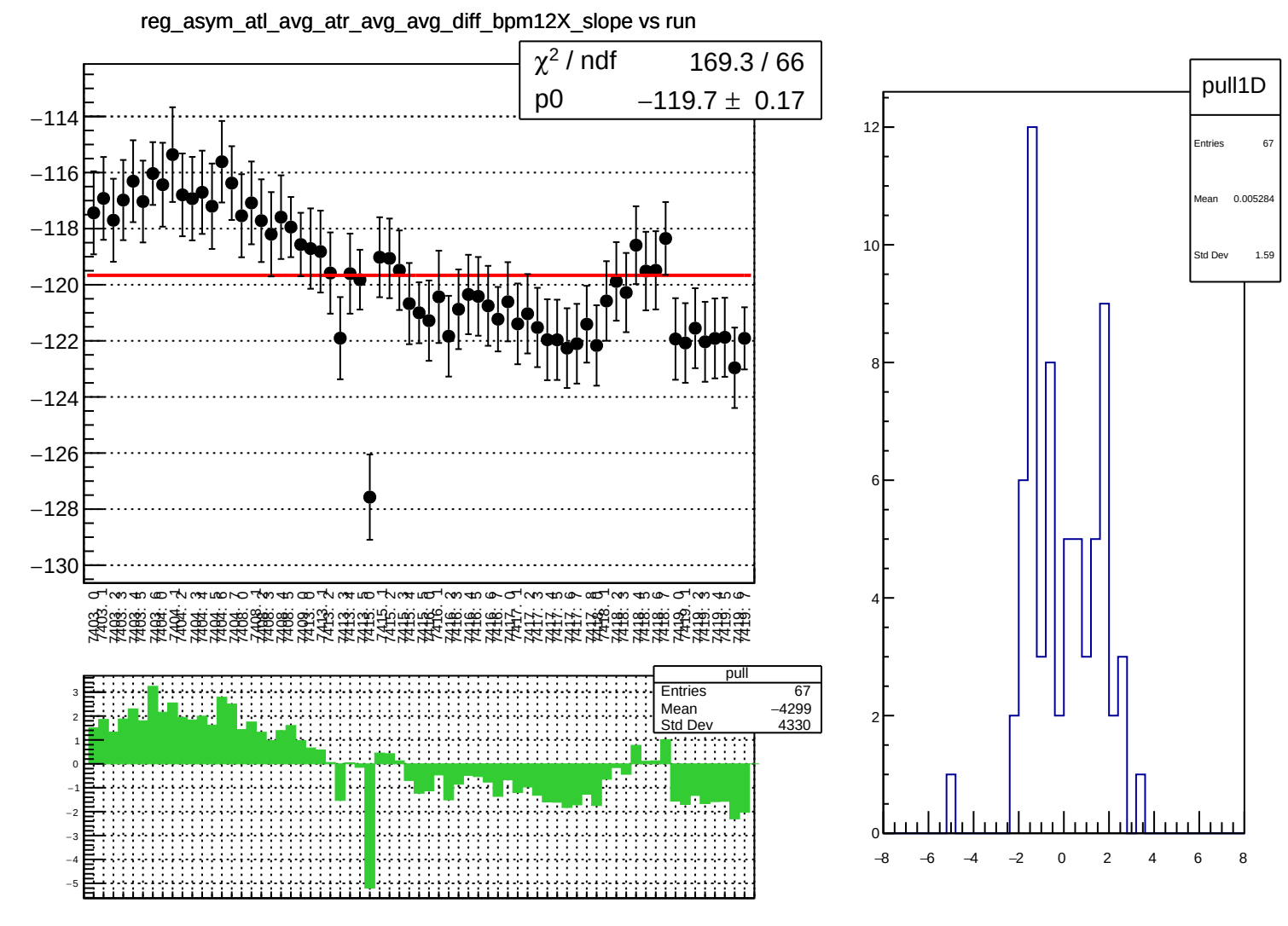

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 55.29 / 66
p0 −139.8 ± 3.577
pull
Entries 67
Mean −25.63
Std Dev 36.35
pull1D
Entries 67
Mean −0.06948
Std Dev 0.9057

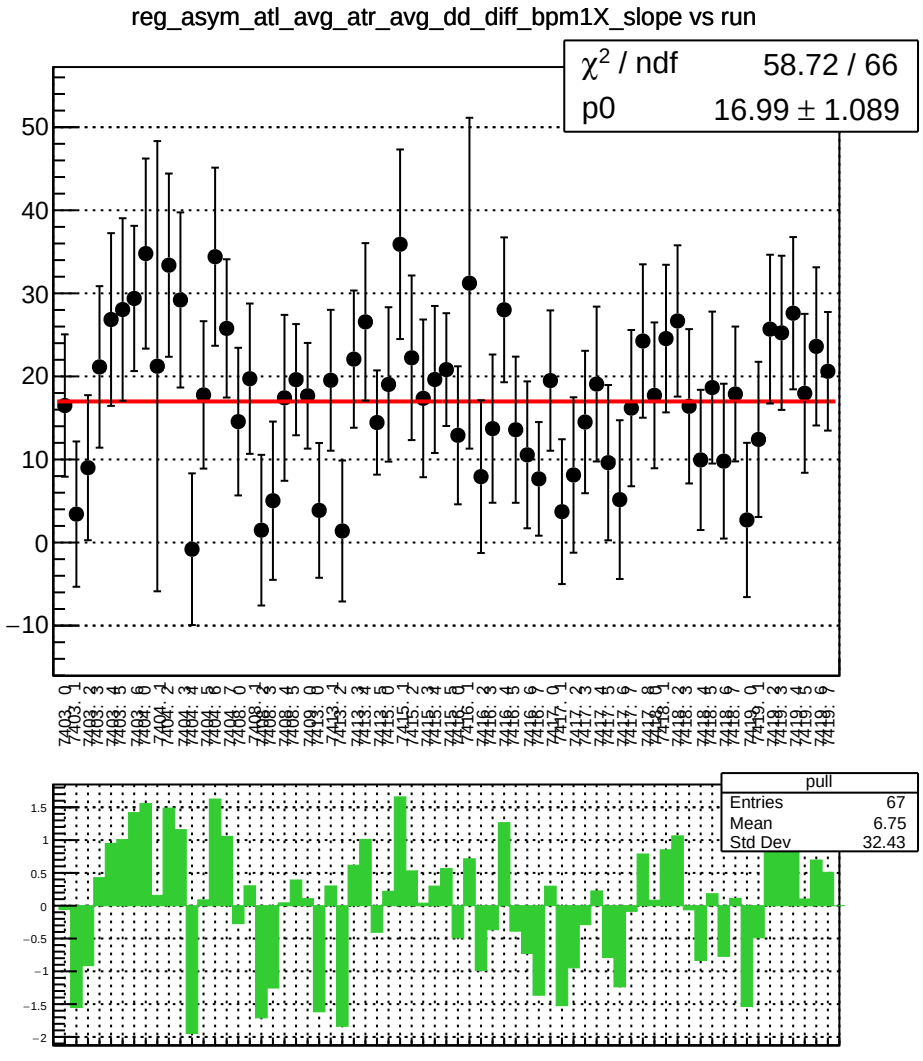

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.26 / 66
p0 −15.58 ± 3.626
pull
Entries 67
Mean 300.8
Std Dev 284.3

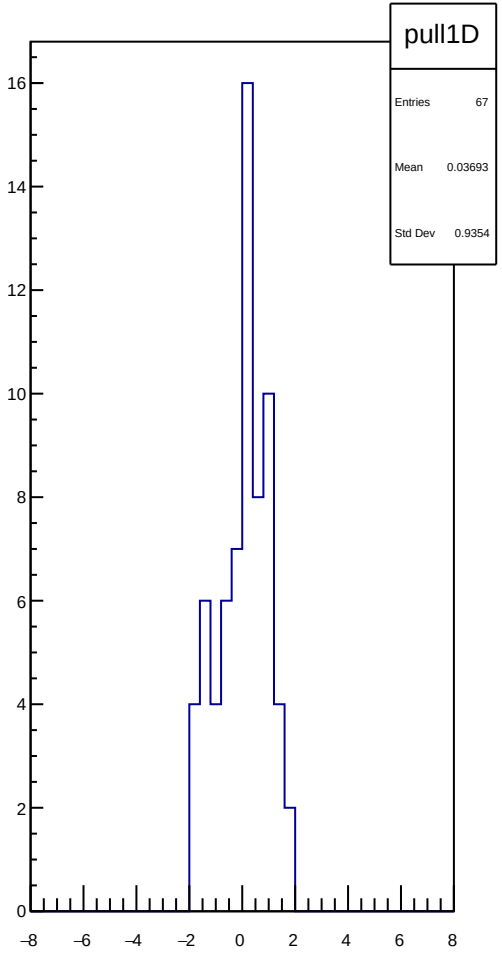

pull1D
Entries 67
Mean −0.006583
Std Dev 0.6494

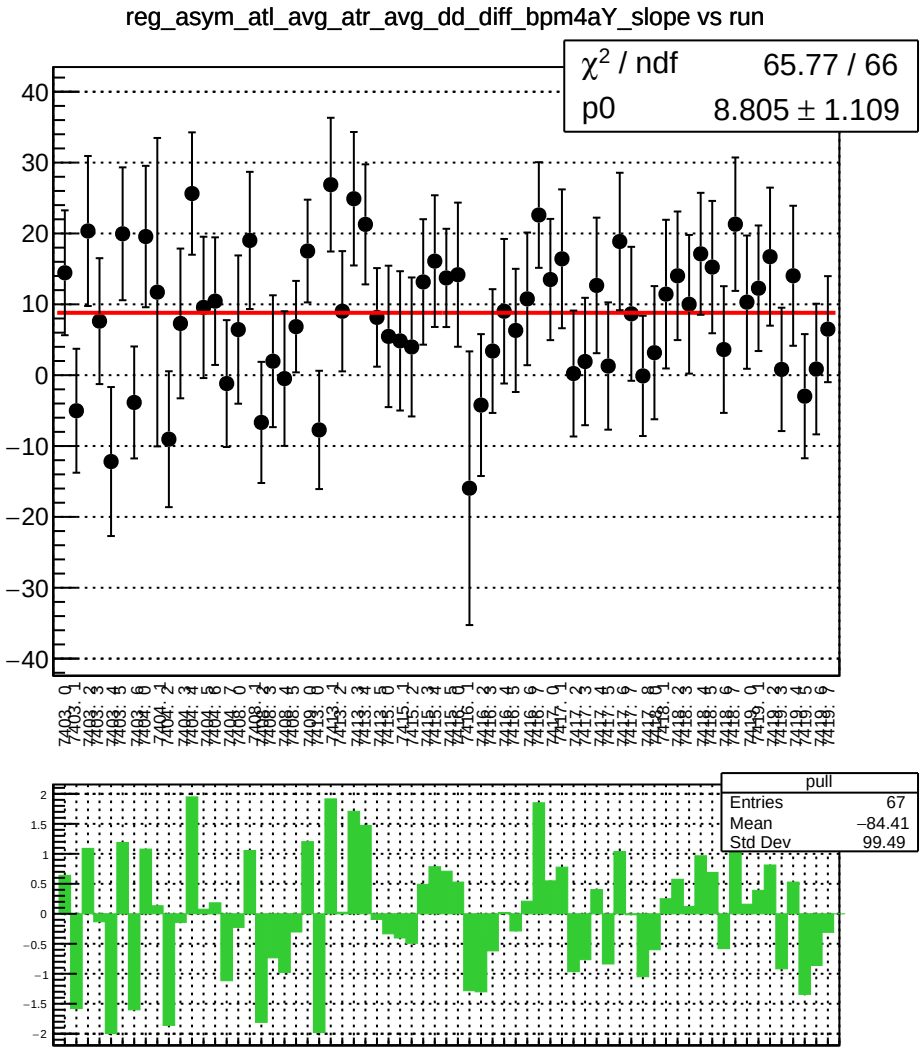

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.02 / 66
p0 148.6 ± 3.717
300
250
200
150
100
pull
Entries 67
Mean −32.87
Std Dev 48.31
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 67
Mean 0.07058
Std Dev 0.9035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

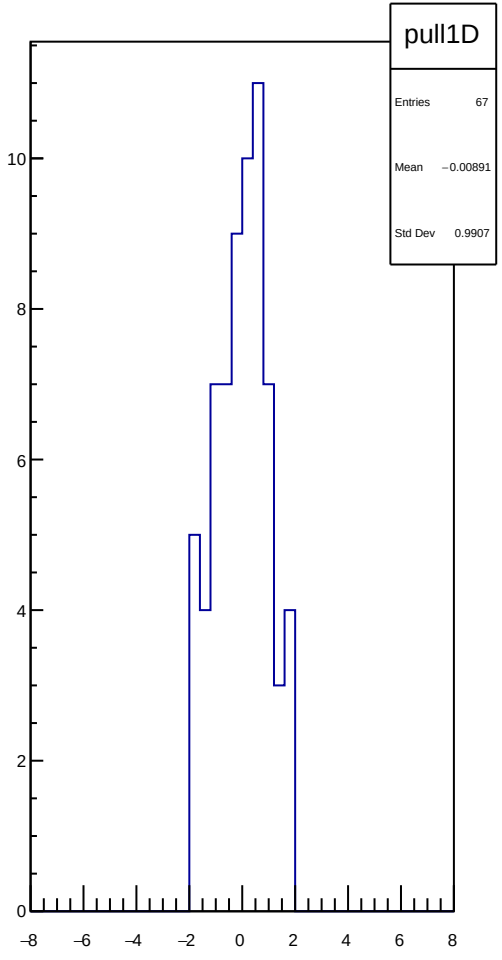

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.65 / 66
p0 63.63 ± 3.838
150
100
50
0
−50
pull
Entries 67
Mean −3497
Std Dev 3509
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 67
Mean −0.0004539
Std Dev 0.6307
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

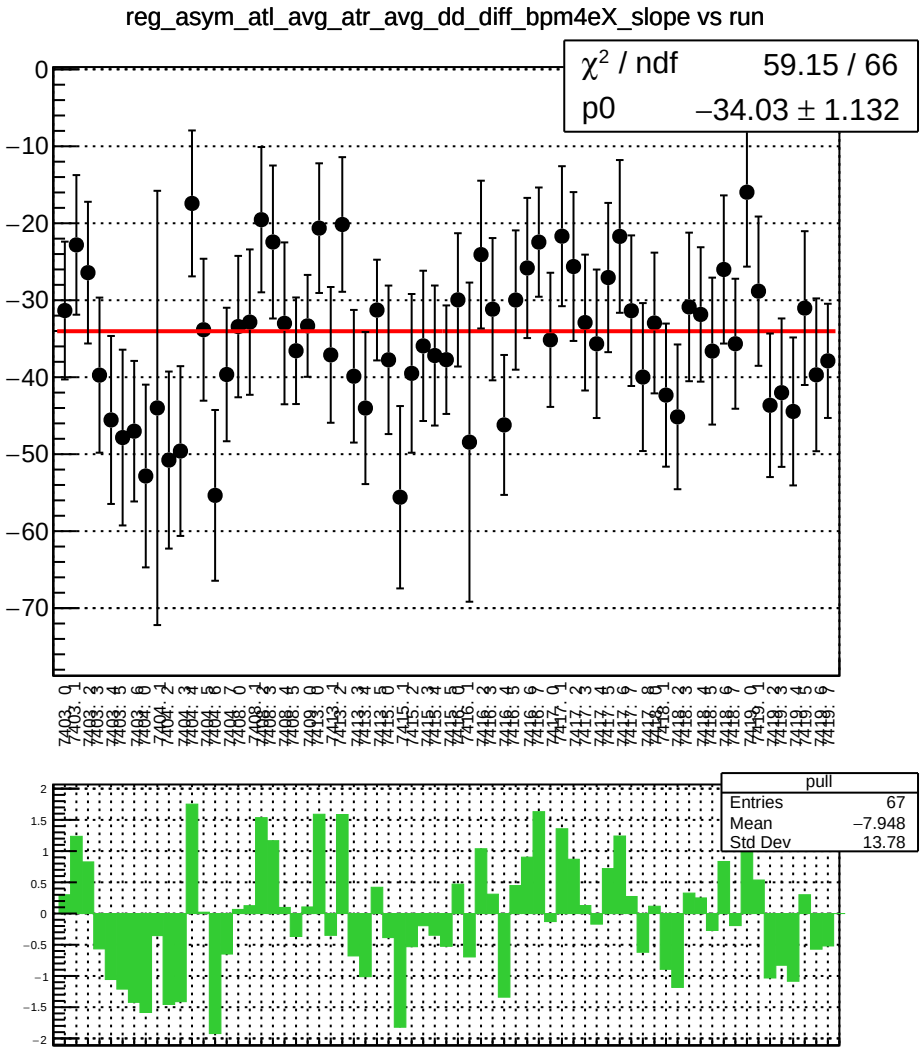

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 169.3 / 66
p0 −119.7 ± 0.17
pull
Entries 67
Mean −4299
Std Dev 4330
pull1D
Entries 67
Mean 0.005284
Std Dev 1.59

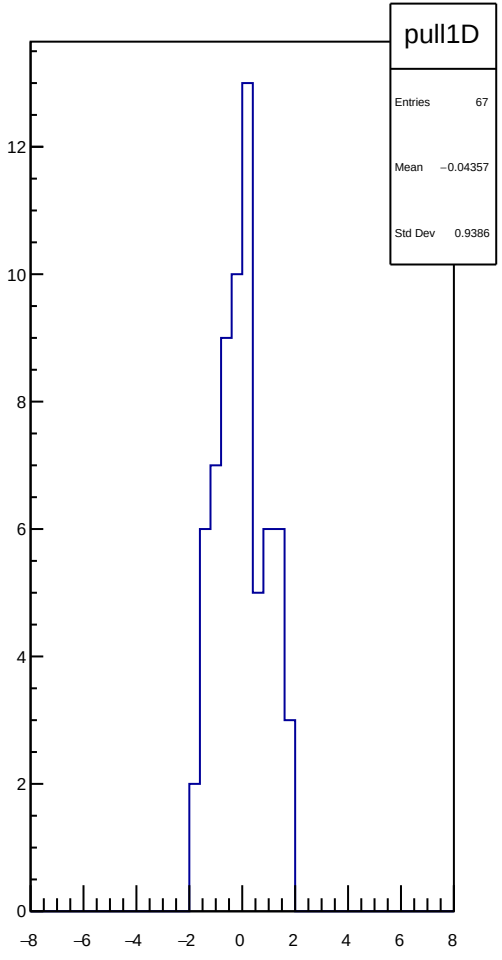

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 58.72 / 66
p0 16.99 ± 1.089
pull
Entries 67
Mean 6.75
Std Dev 32.43

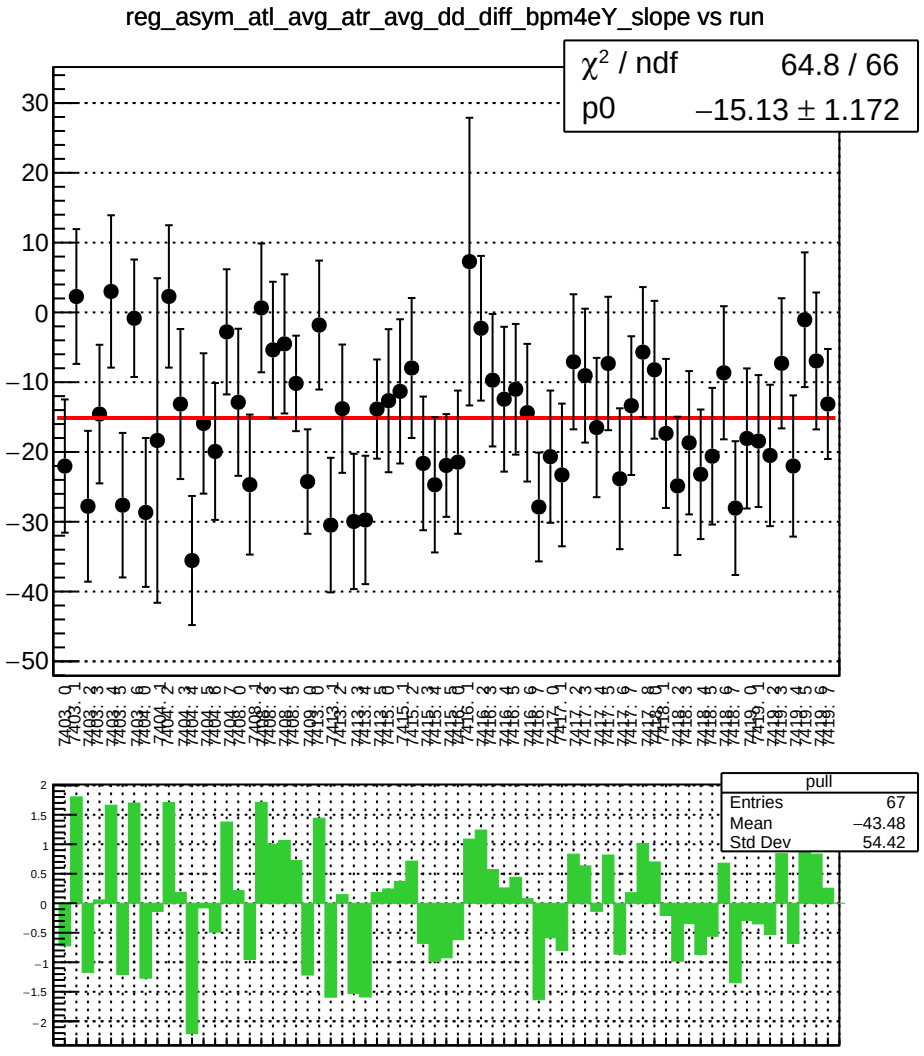

pull1D
Entries 67
Mean 0.03693
Std Dev 0.9354

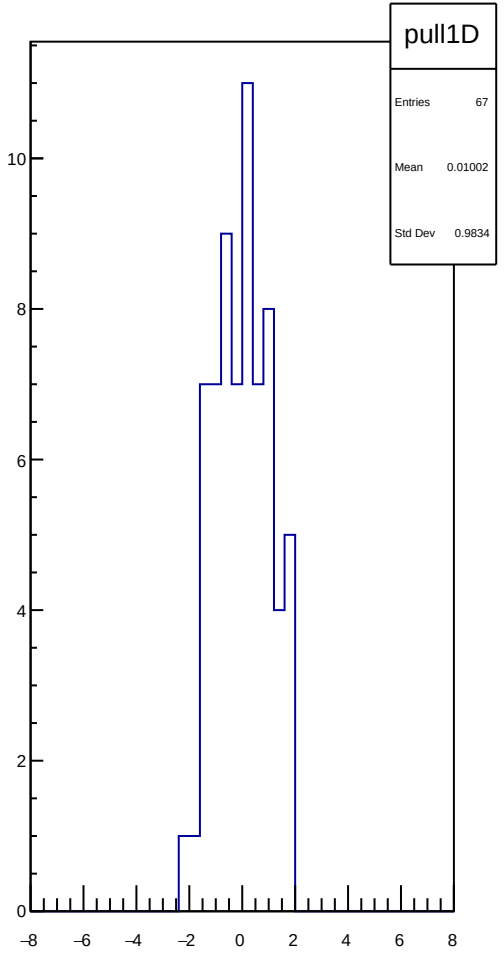

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.77 / 66
p0 8.805 ± 1.109
pull
Entries 67
Mean −84.41
Std Dev 99.49

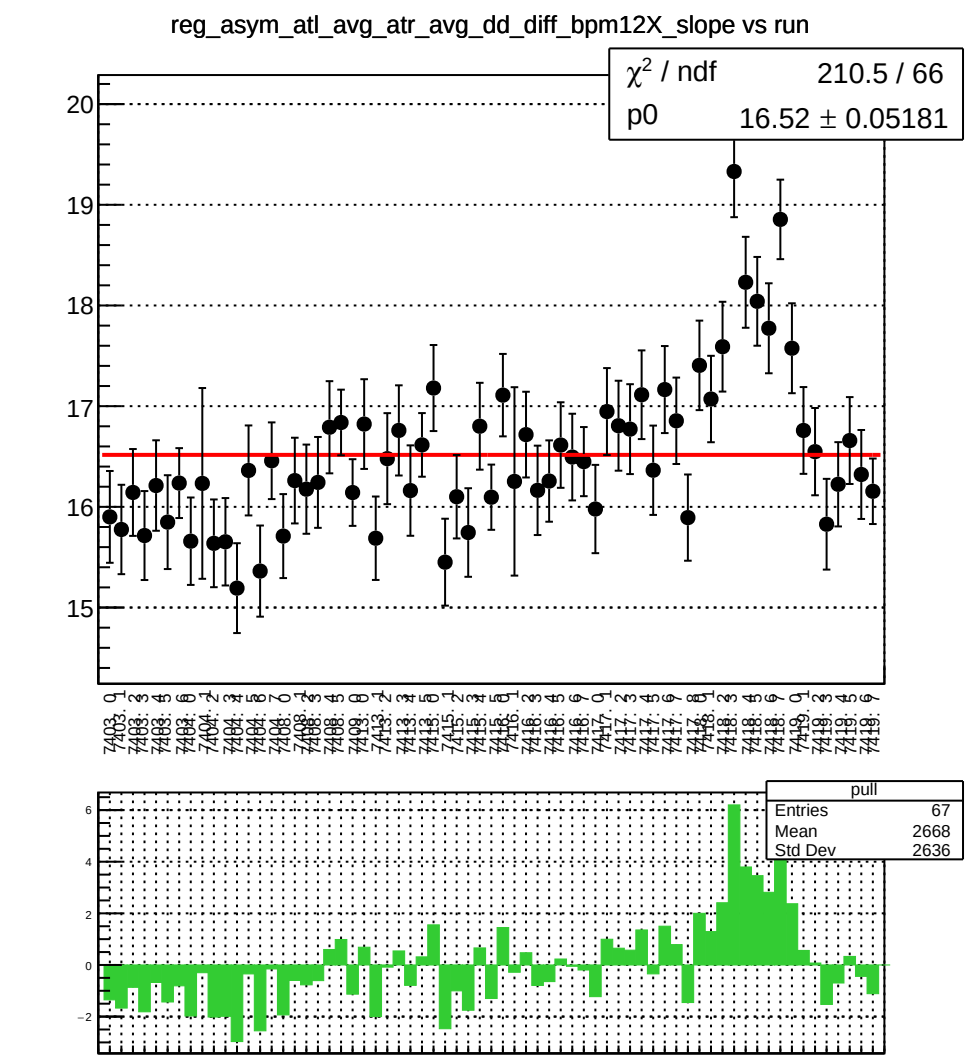

pull1D
Entries 67
Mean −0.00891
Std Dev 0.9907

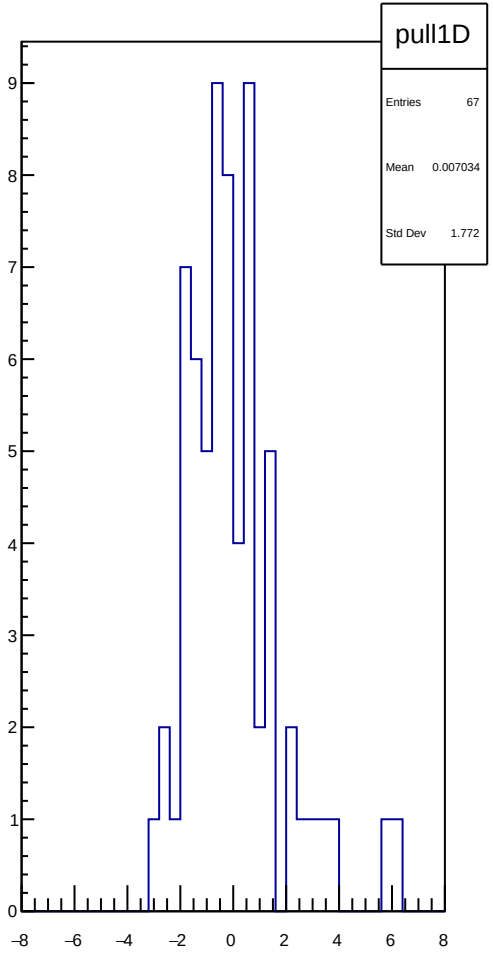

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.15 / 66
p0 −34.03 ± 1.132
pull
Entries 67
Mean −7.948
Std Dev 13.78

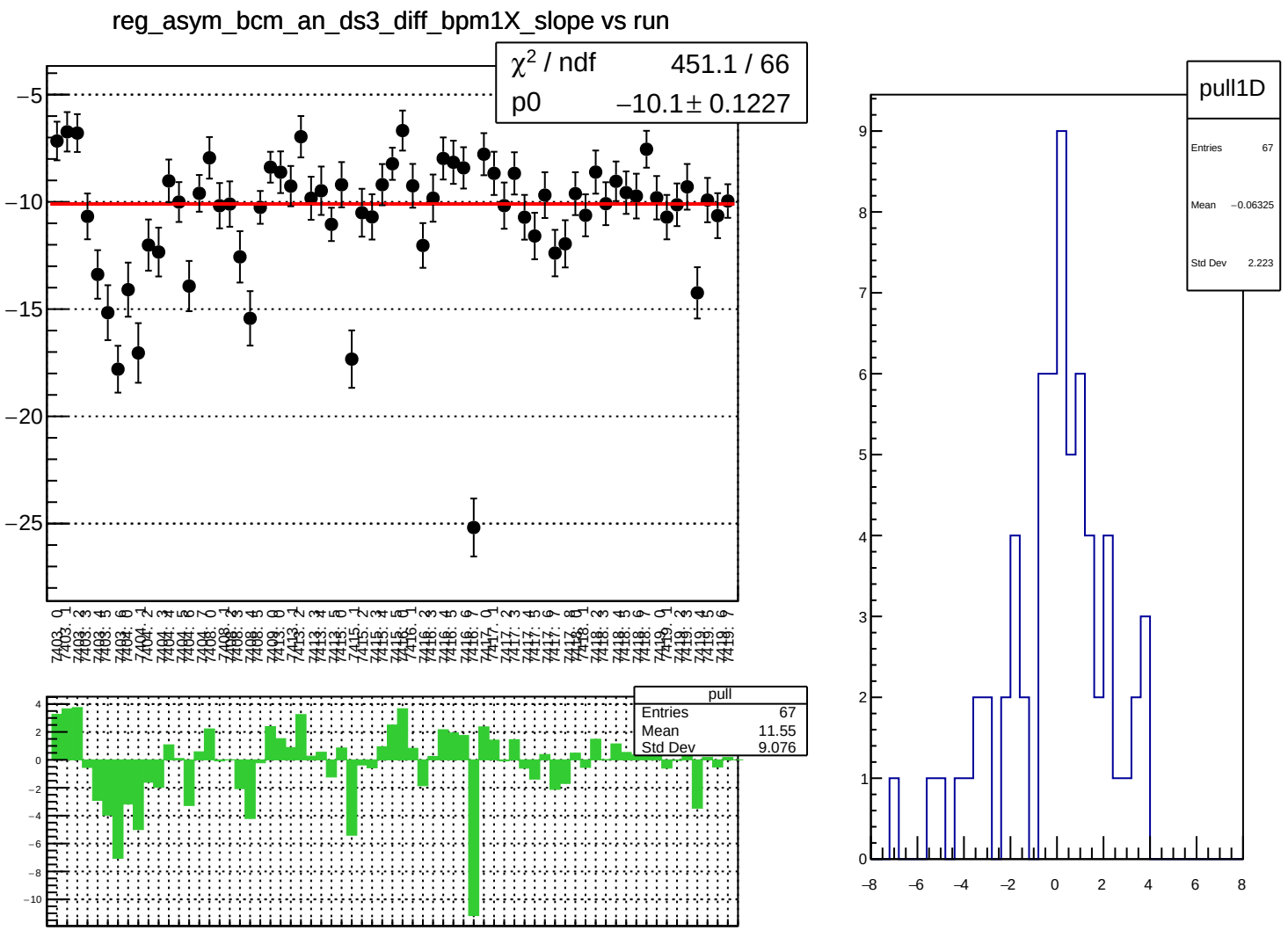

pull1D
Entries 67
Mean −0.04357
Std Dev 0.9386

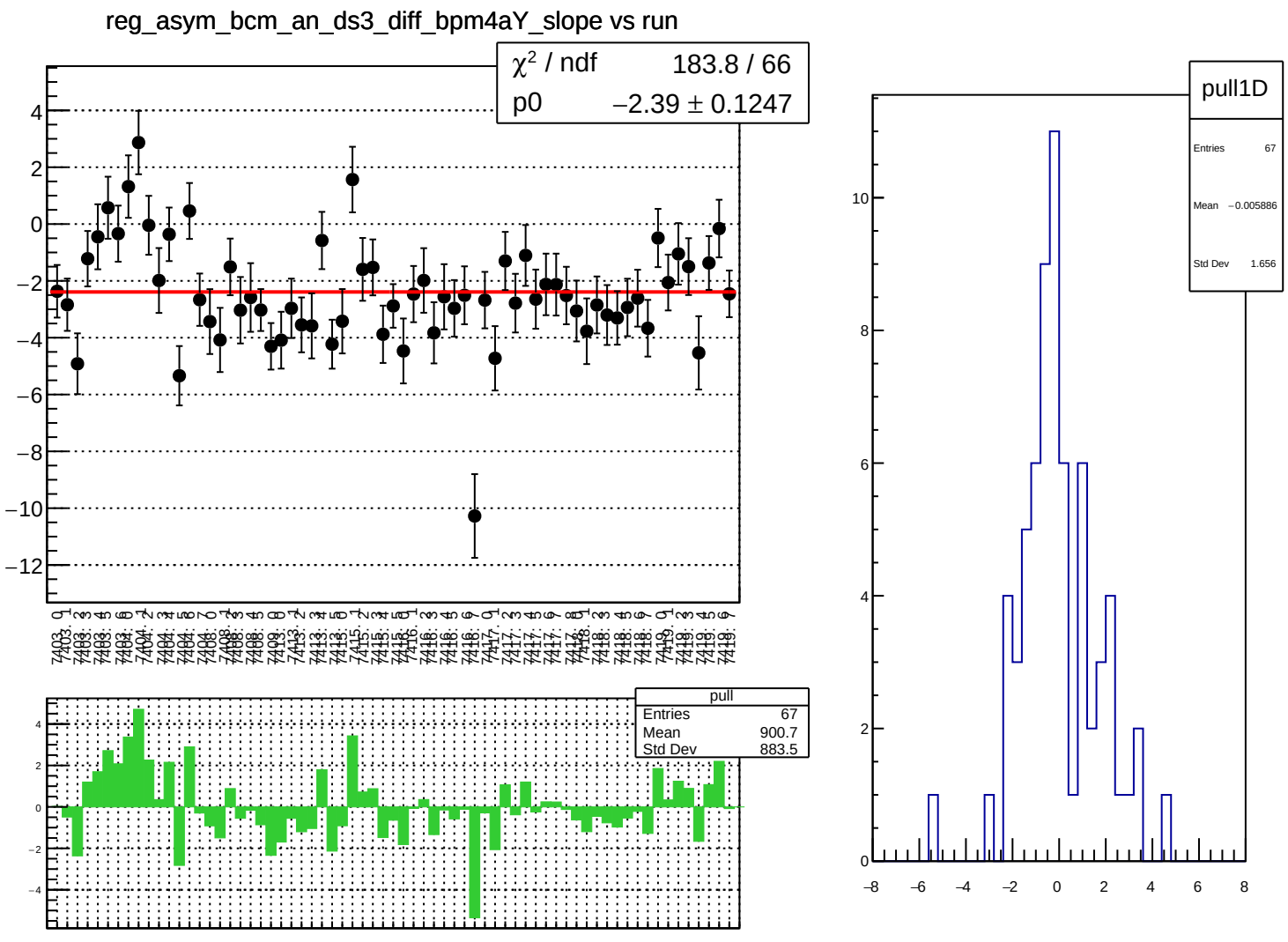

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.8 / 66
p0 −15.13 ± 1.172
pull
Entries 67
Mean −43.48
Std Dev 54.42

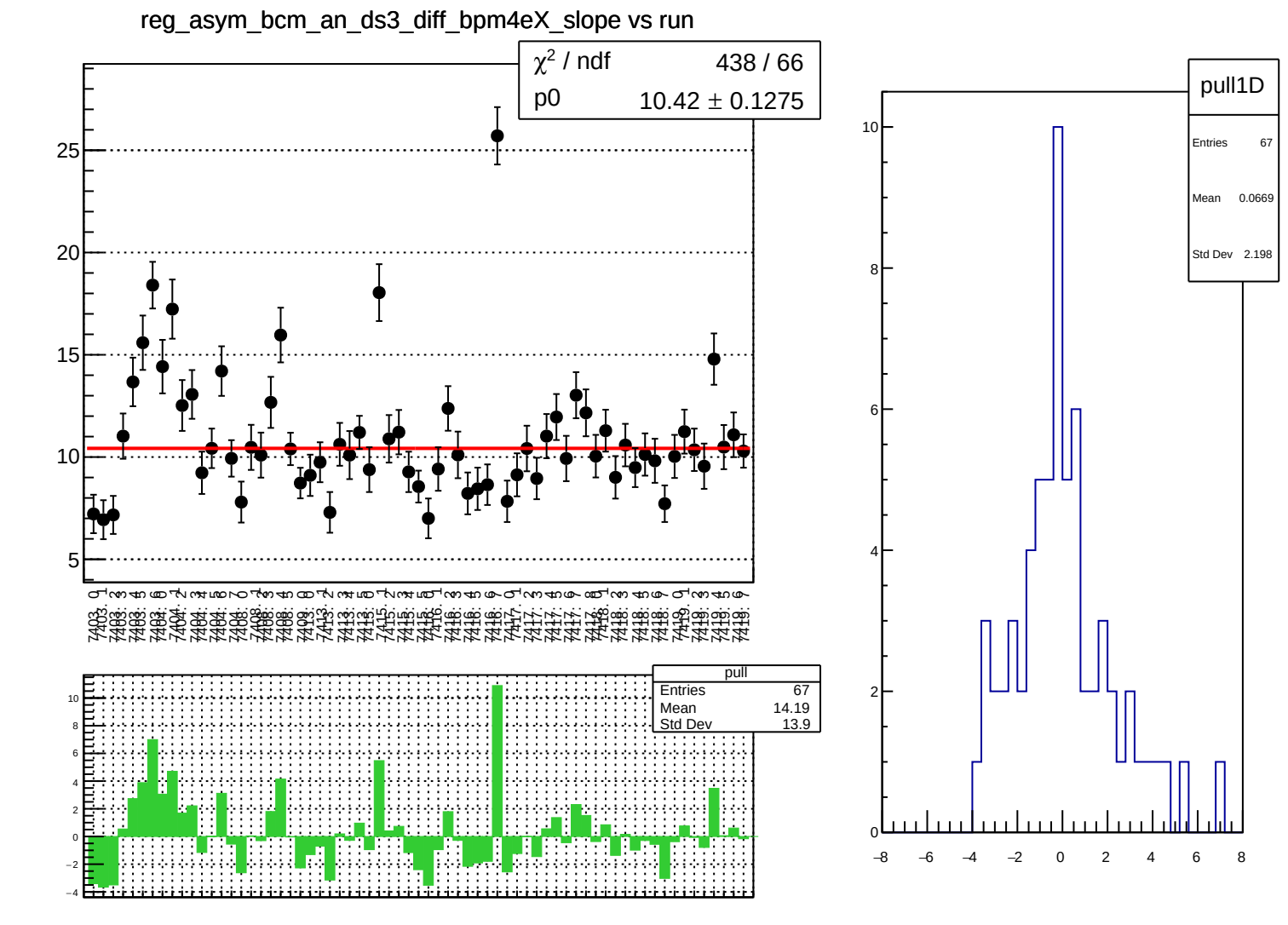

pull1D
Entries 67
Mean 0.01002
Std Dev 0.9834

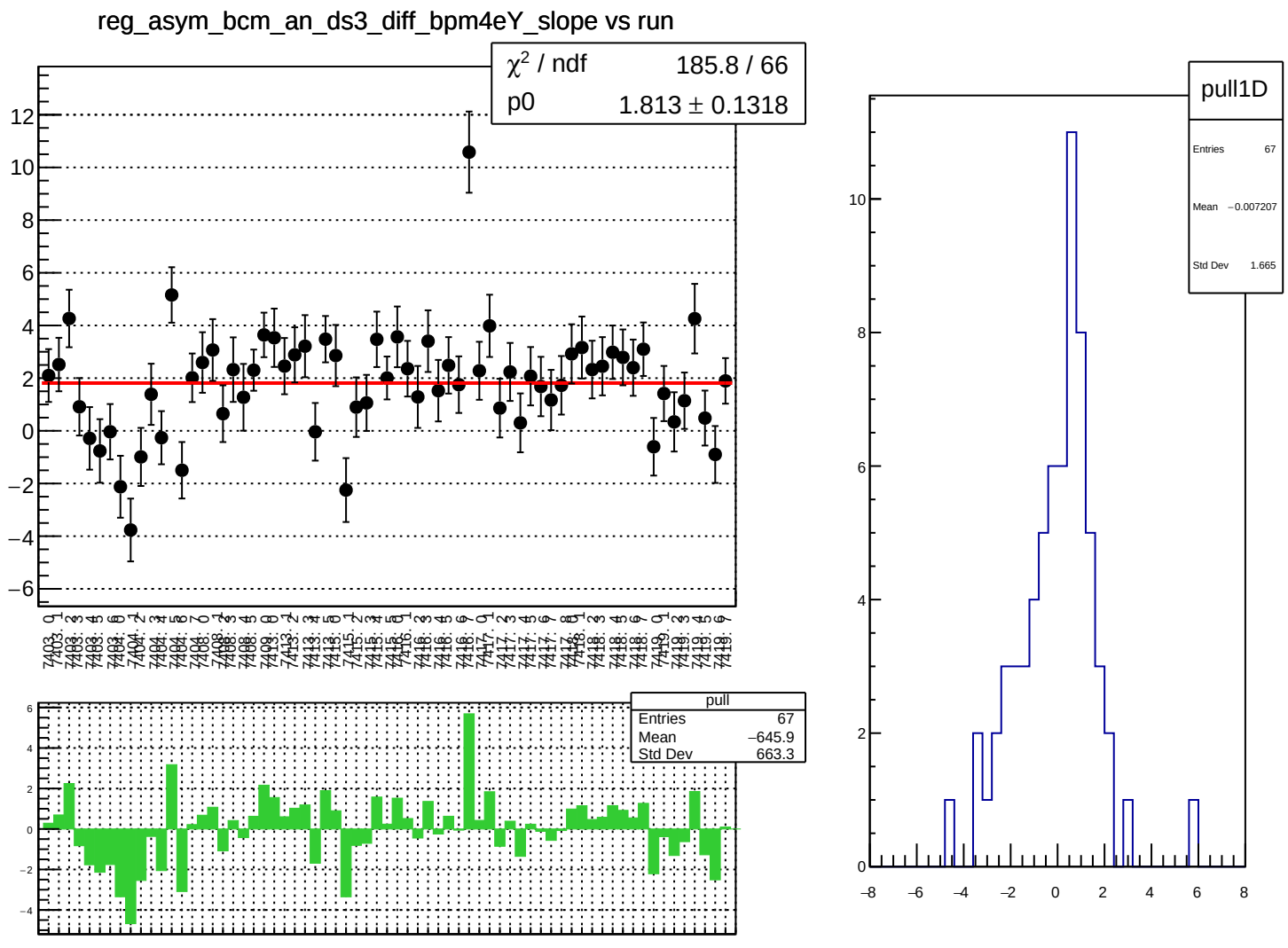

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 210.5 / 66
p0 16.52 ± 0.05181
pull
Entries 67
Mean 2668
Std Dev 2636

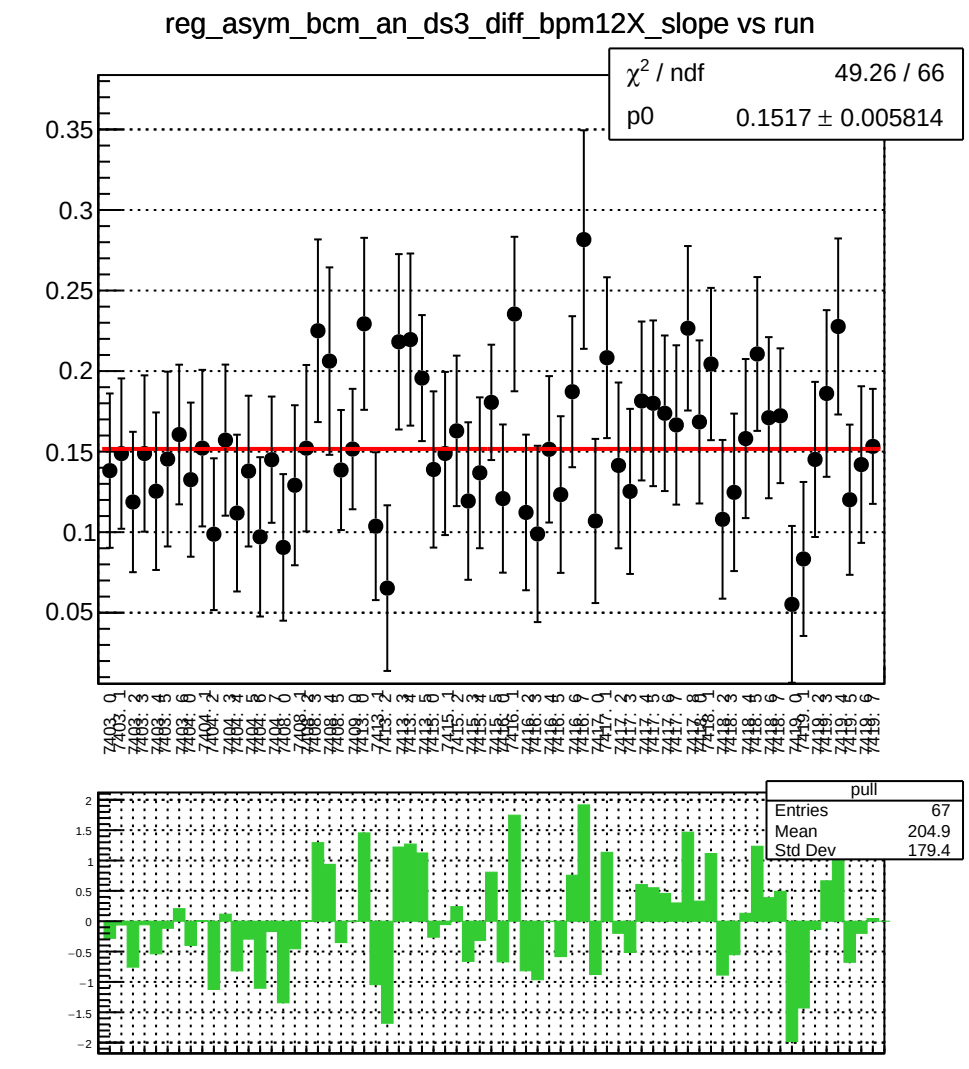

pull1D
Entries 67
Mean 0.007034
Std Dev 1.772

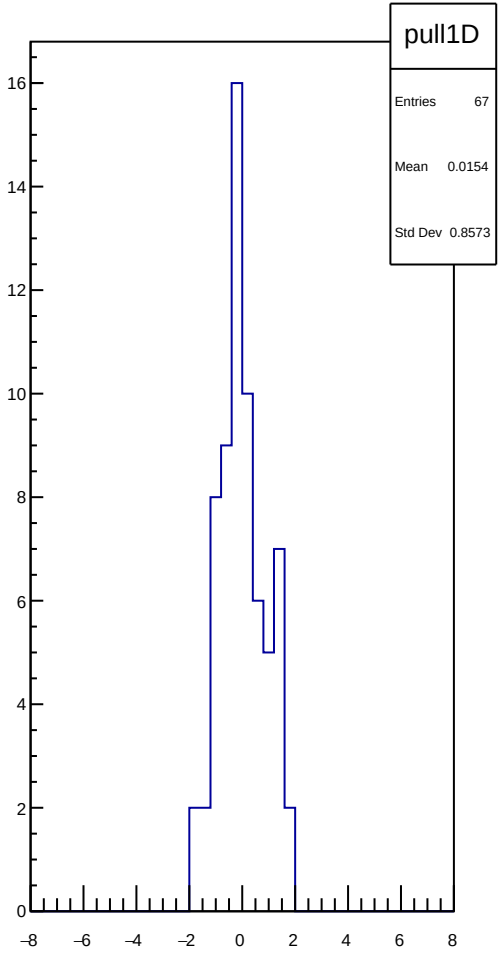

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 451.1 / 66
p0 −10.1 ± 0.1227
pull
Entries 67
Mean 11.55
Std Dev 9.076
pull1D
Entries 67
Mean −0.06325
Std Dev 2.223

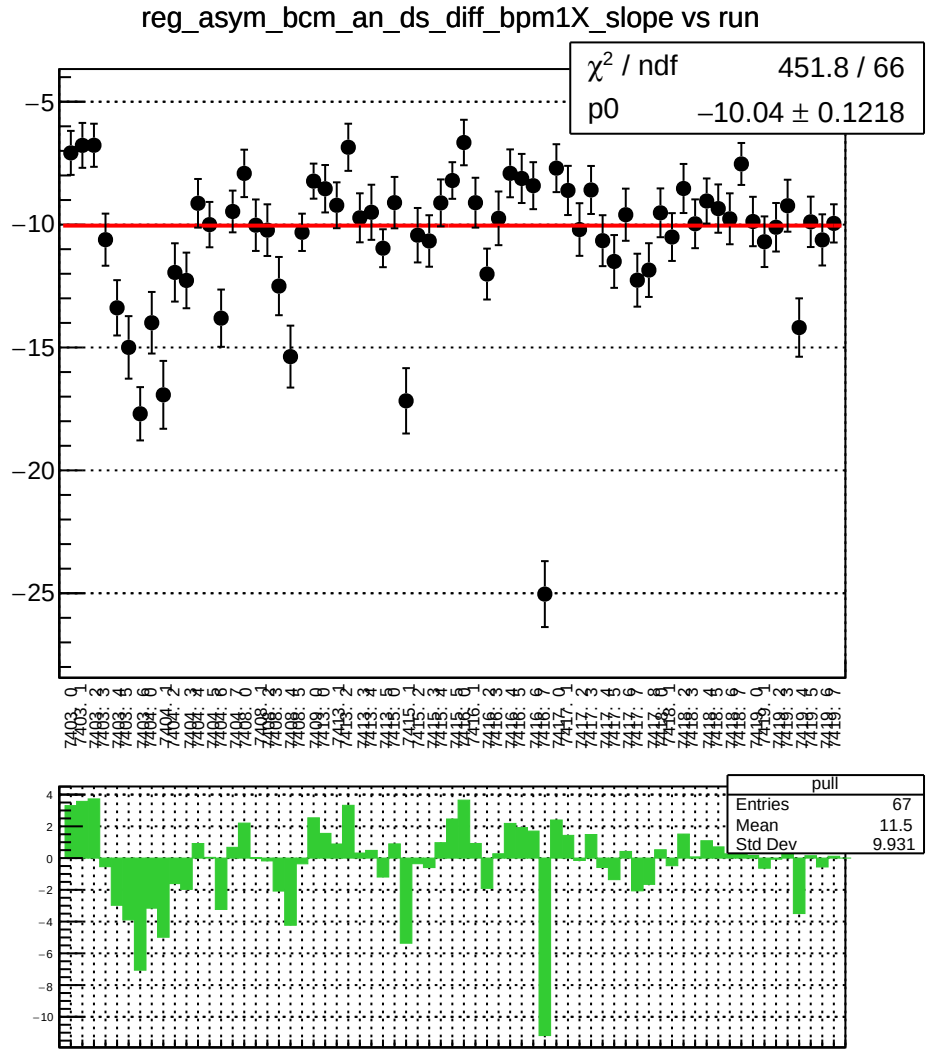

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 183.8 / 66
p0 −2.39 ± 0.1247
pull
Entries 67
Mean 900.7
Std Dev 883.5
pull1D
Entries 67
Mean −0.005886
Std Dev 1.656

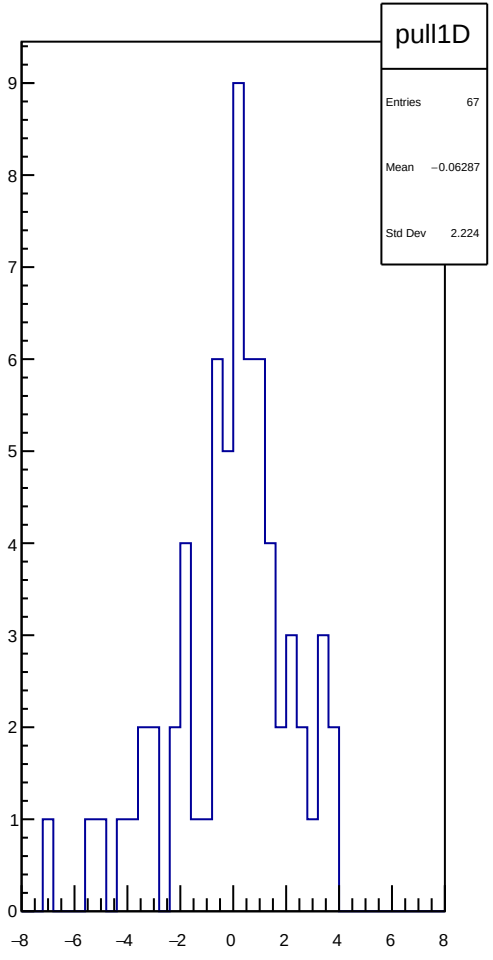

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 438 / 66
p0 10.42 ± 0.1275
pull
Entries 67
Mean 14.19
Std Dev 13.9
pull1D
Entries 67
Mean 0.0669
Std Dev 2.198

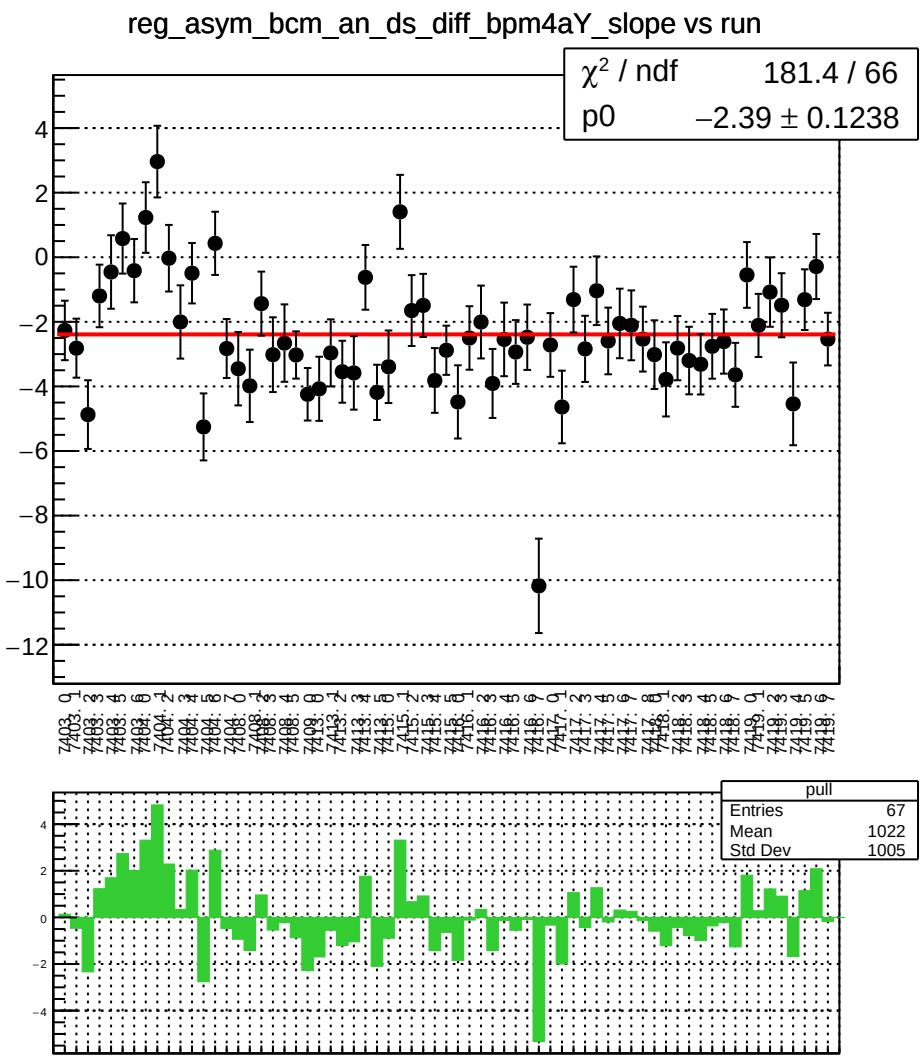

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 185.8 / 66
p0 1.813 ± 0.1318
pull
Entries 67
Mean −645.9
Std Dev 663.3
pull1D
Entries 67
Mean −0.007207
Std Dev 1.665

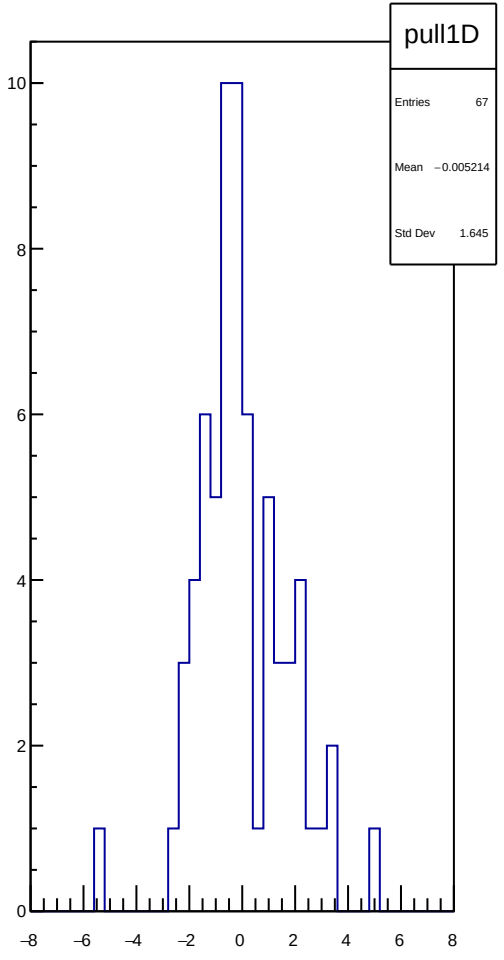

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 49.26 / 66
p0 0.1517 ± 0.005814
pull
Entries 67
Mean 204.9
Std Dev 179.4

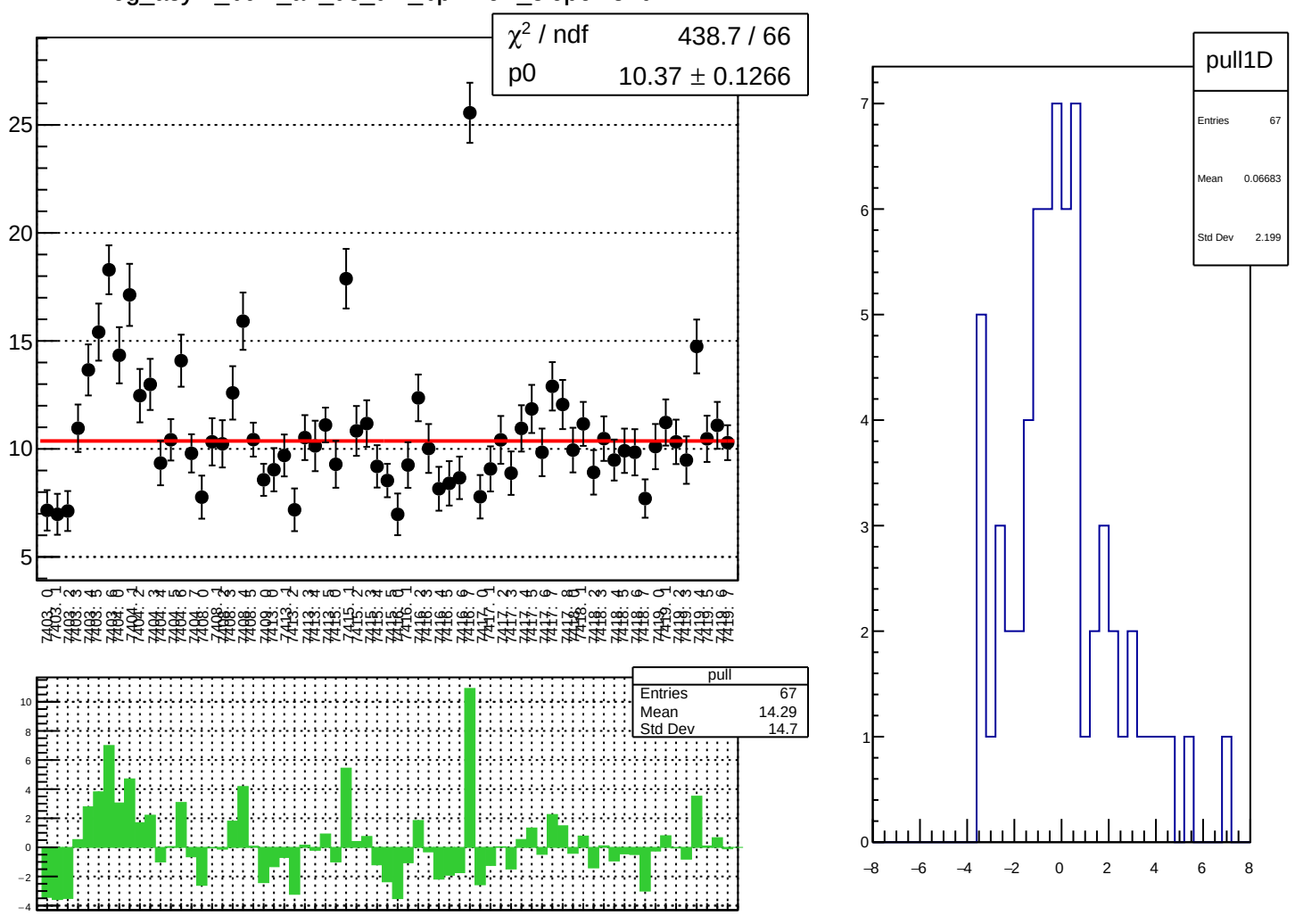

pull1D
Entries 67
Mean 0.0154
Std Dev 0.8573

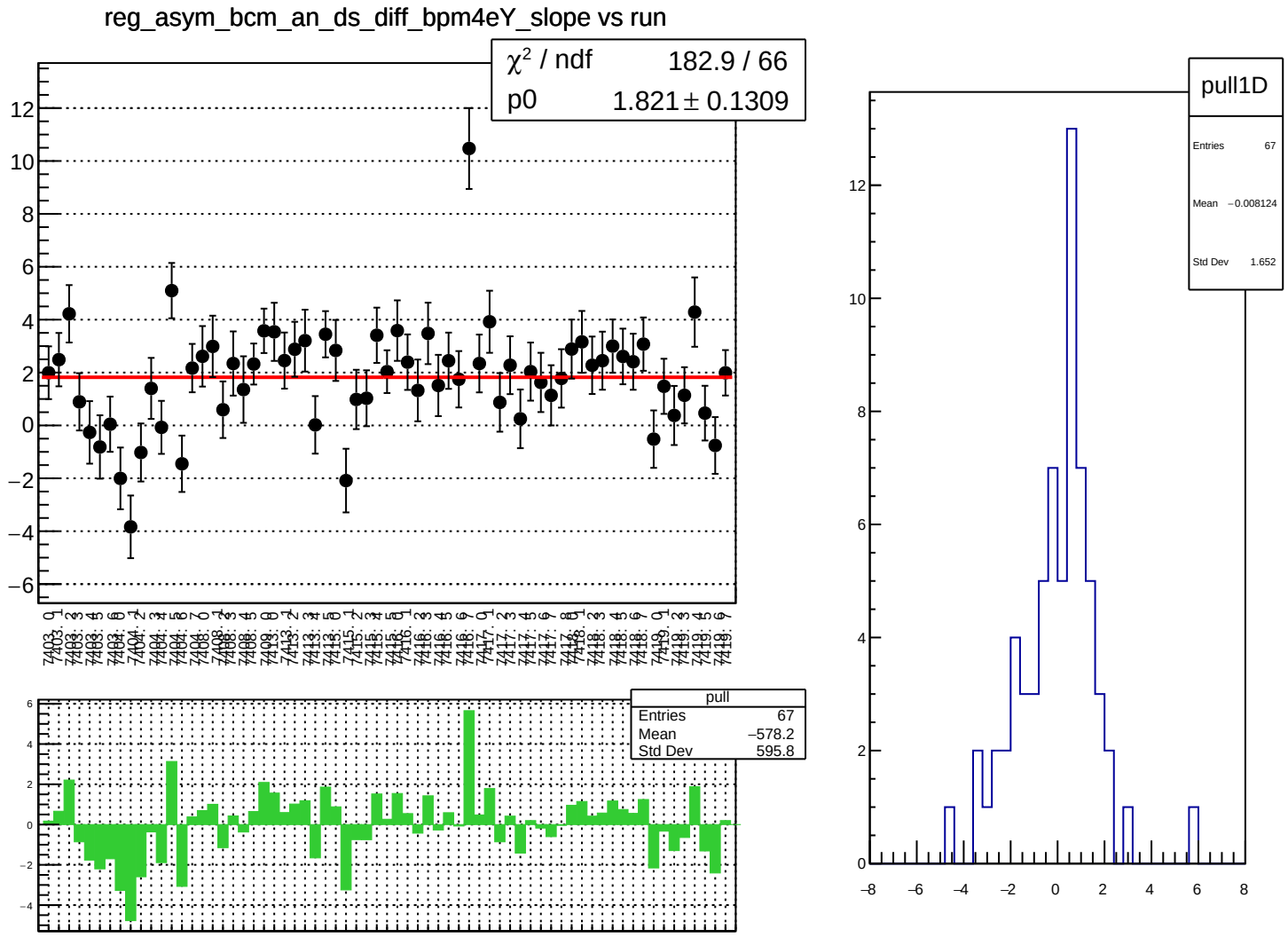

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 451.8 / 66
p0 −10.04 ± 0.1218
pull
Entries 67
Mean 11.5
Std Dev 9.931

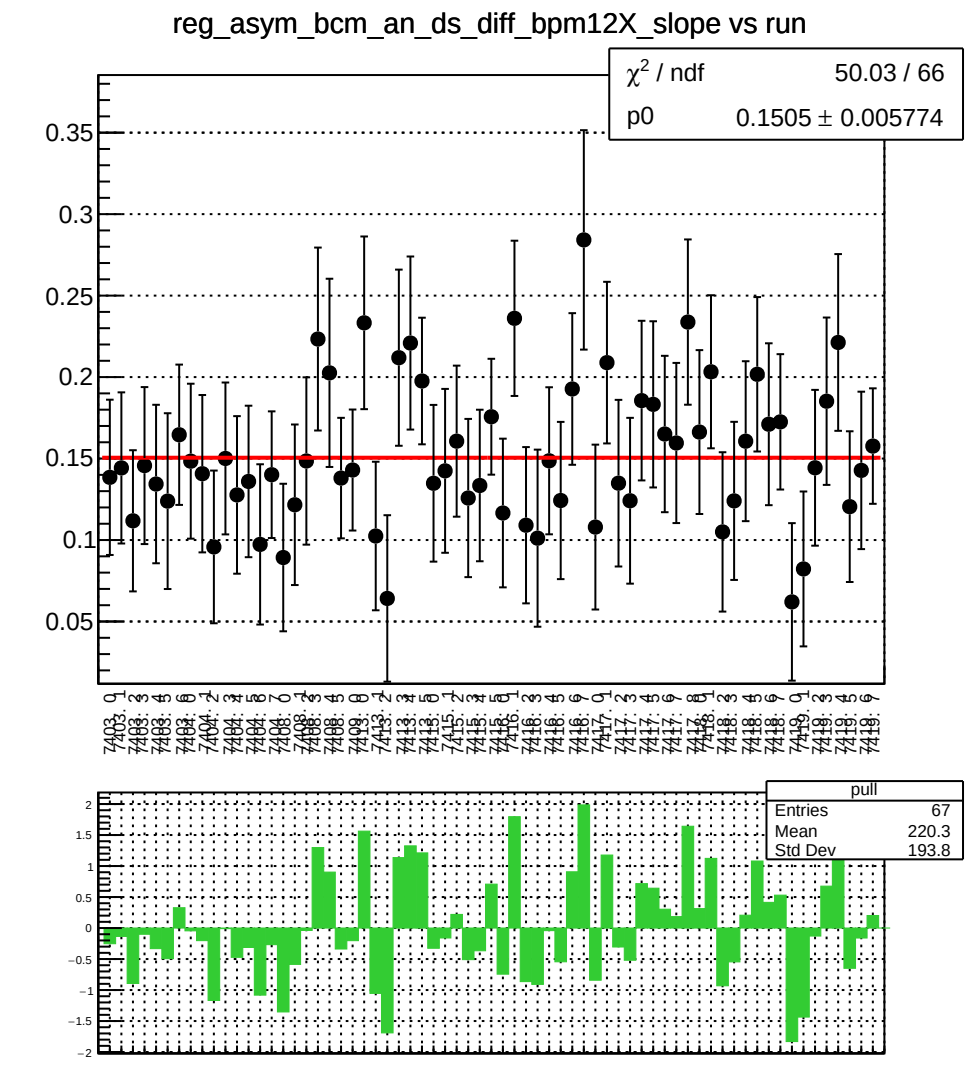

pull1D
Entries 67
Mean −0.06287
Std Dev 2.224

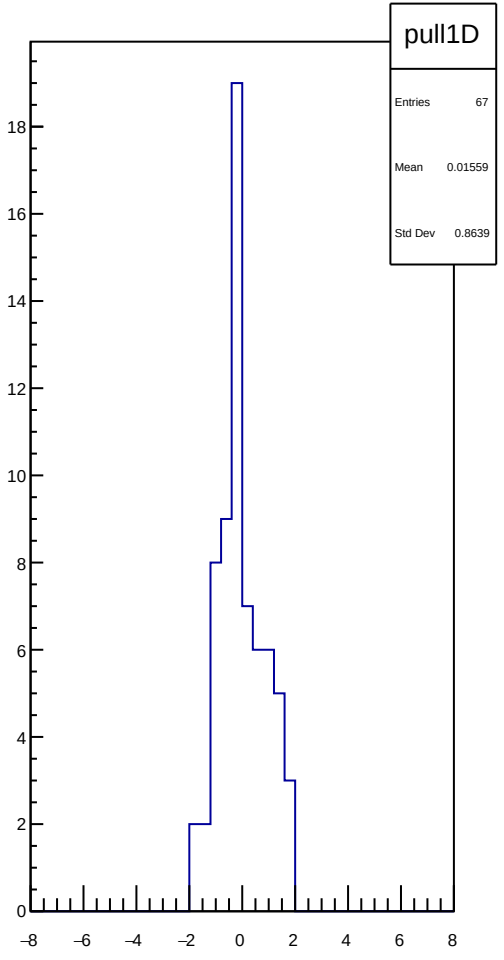

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 181.4 / 66
p0 −2.39 ± 0.1238
pull
Entries 67
Mean 1022
Std Dev 1005

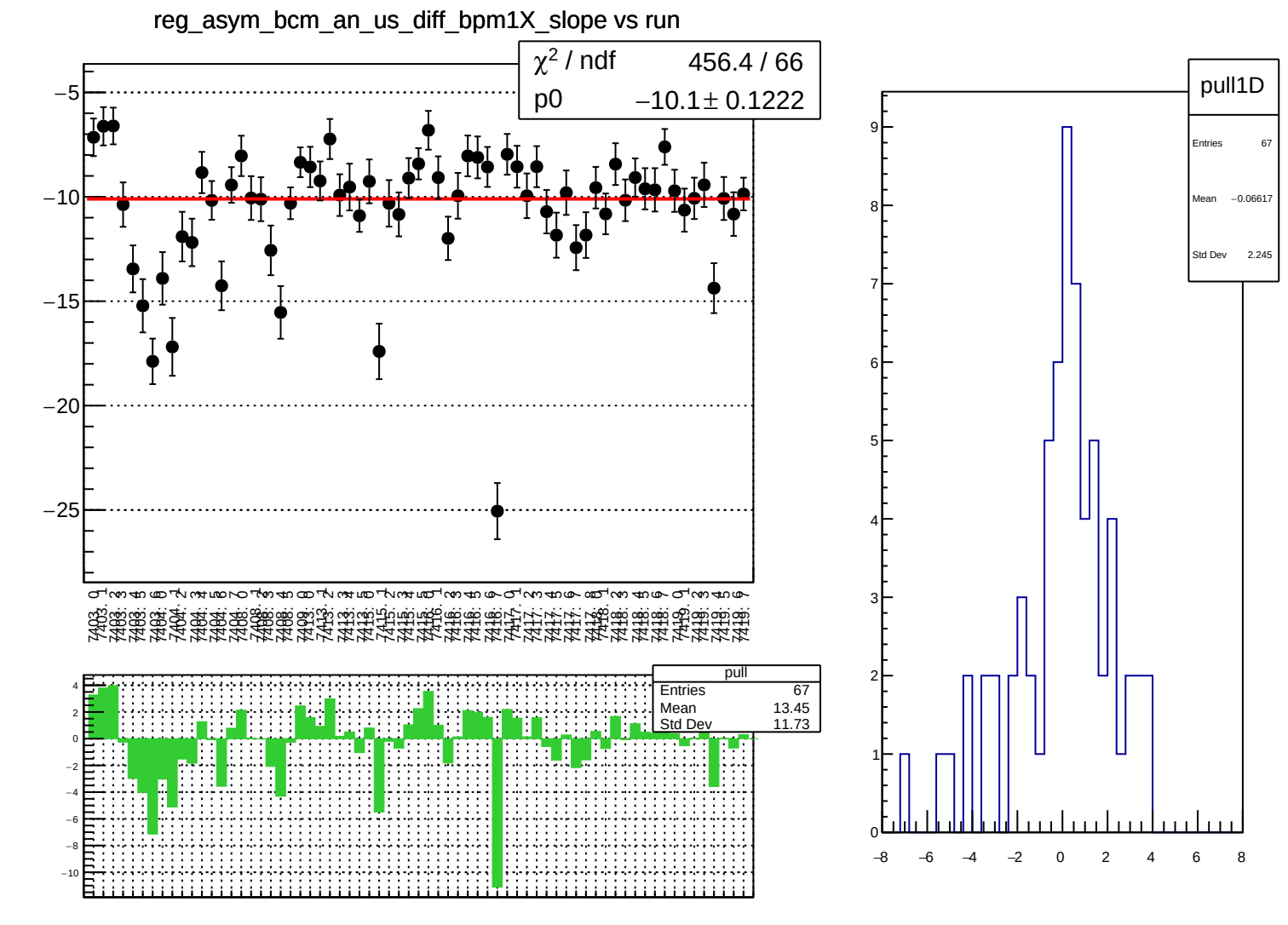

pull1D
Entries 67
Mean −0.005214
Std Dev 1.645

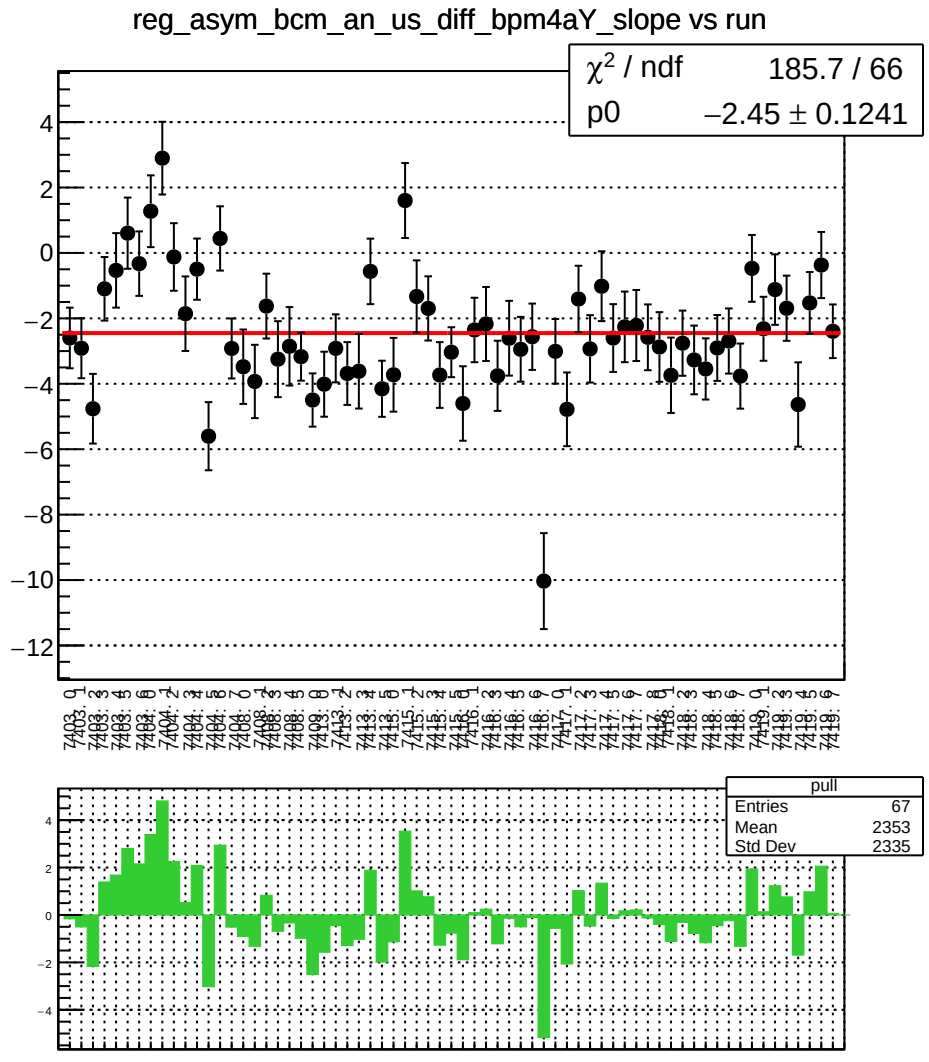

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 438.7 / 66
p0 10.37 ± 0.1266
pull
Entries 67
Mean 14.29
Std Dev 14.7
pull1D
Entries 67
Mean 0.06683
Std Dev 2.199

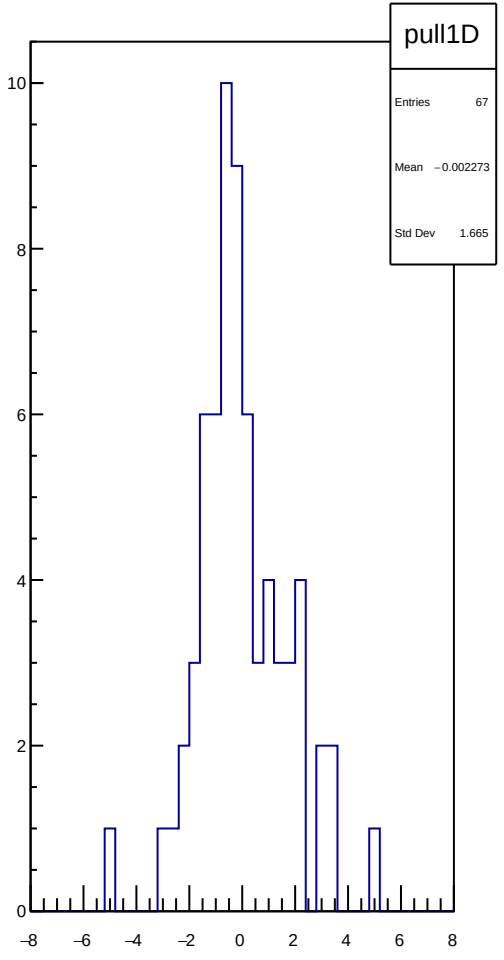

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 182.9 / 66
p0 1.821 ± 0.1309
pull
Entries 67
Mean −578.2
Std Dev 595.8
pull1D
Entries 67
Mean −0.008124
Std Dev 1.652

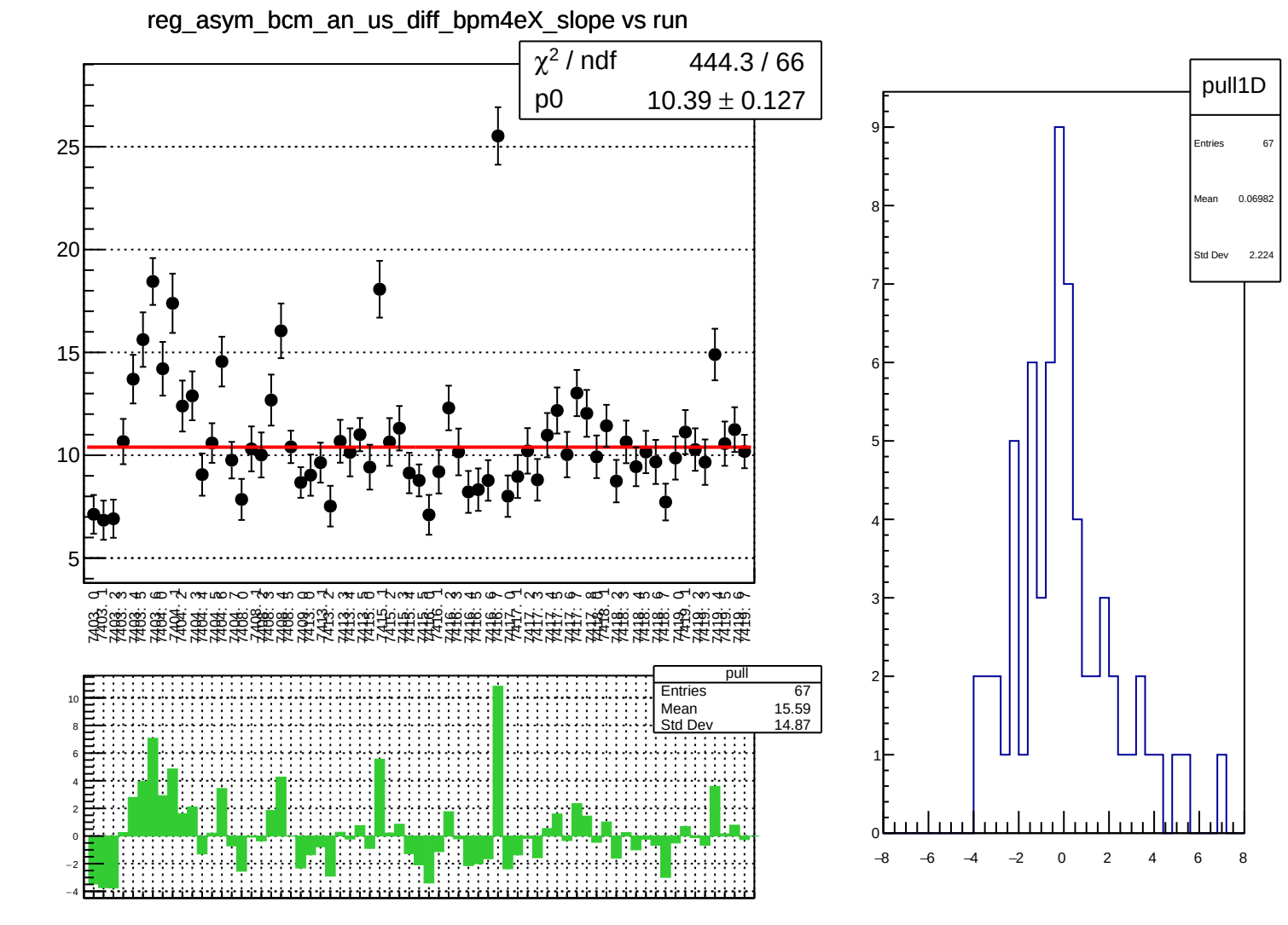

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 50.03 / 66
p0 0.1505 ± 0.005774
pull
Entries 67
Mean 220.3
Std Dev 193.8

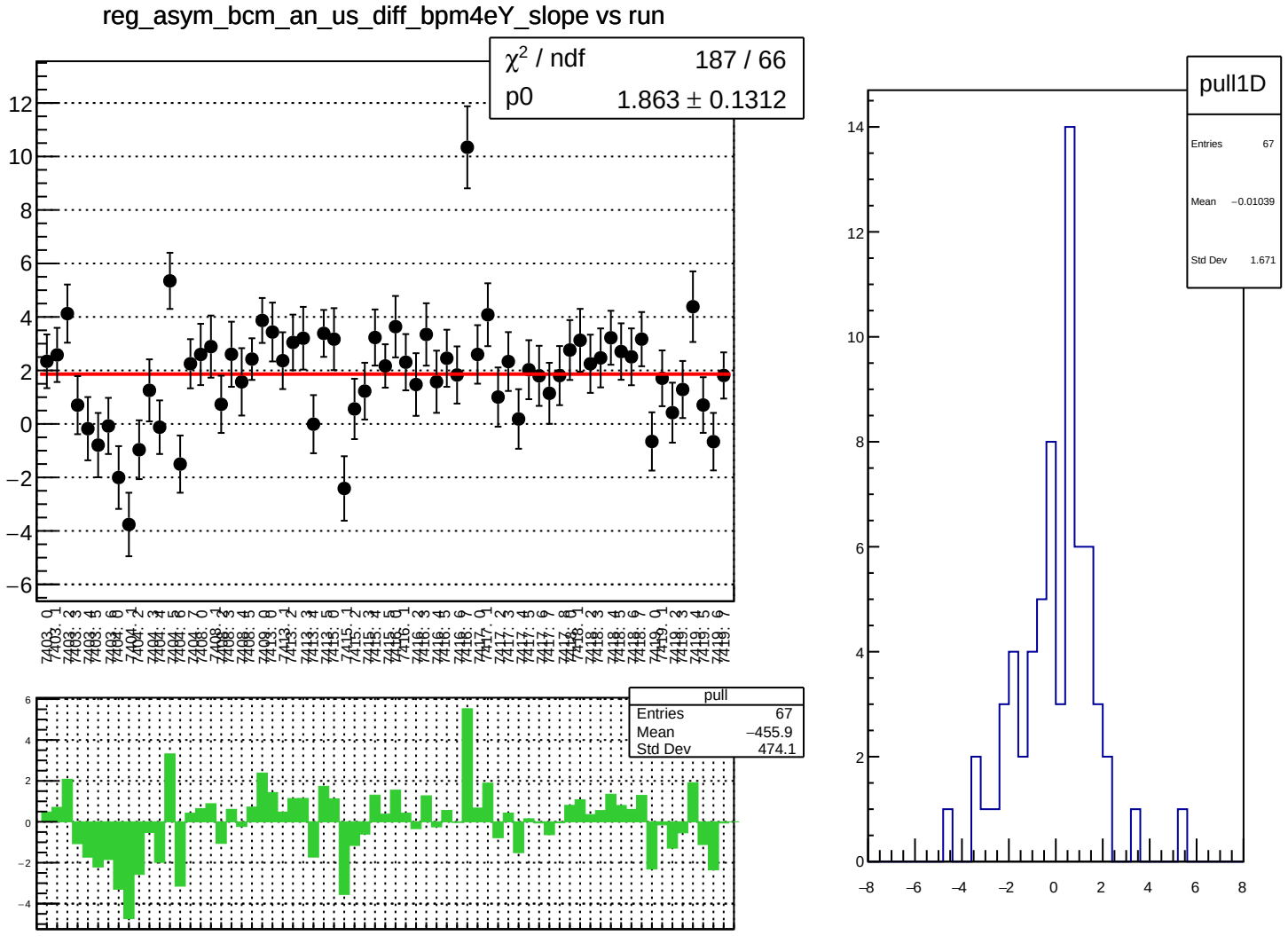

pull1D
Entries 67
Mean 0.01559
Std Dev 0.8639

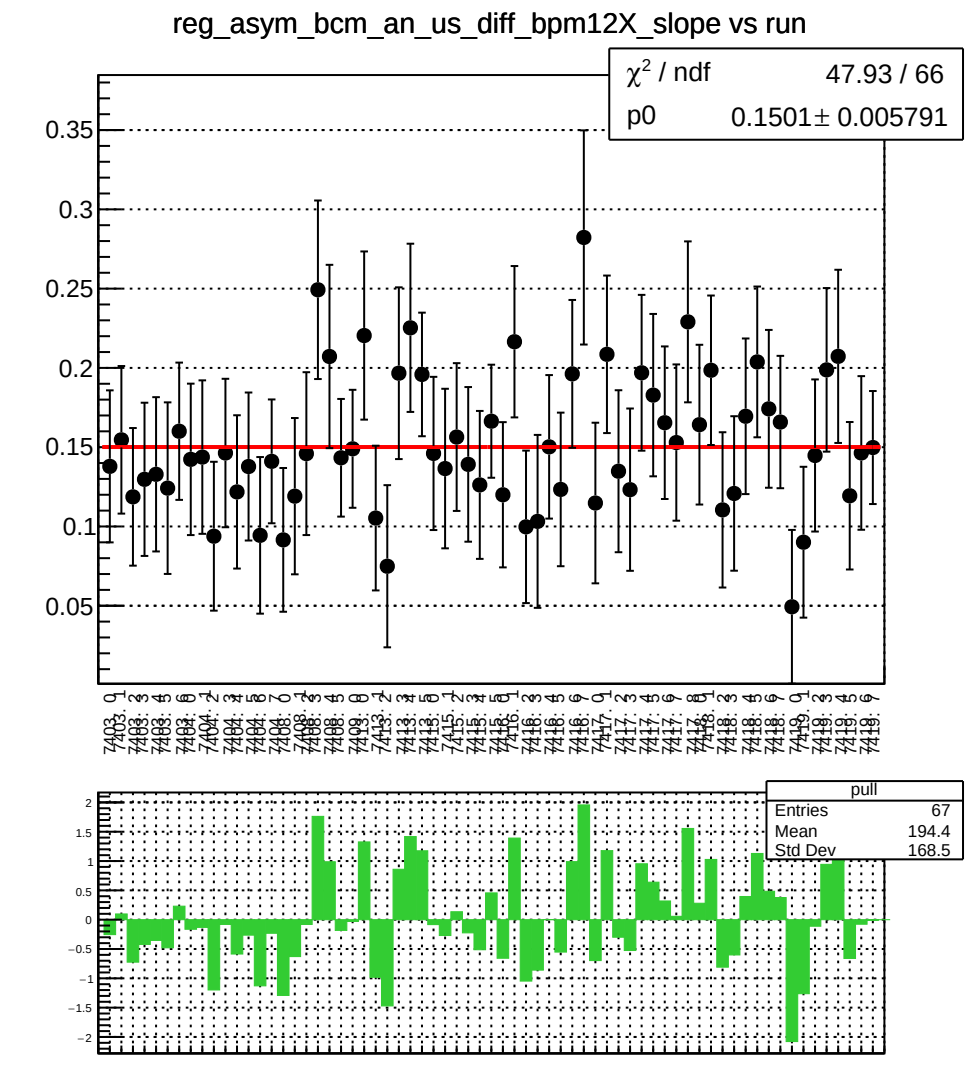

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 456.4 / 66
p0 −10.1 ± 0.1222
pull
Entries 67
Mean 13.45
Std Dev 11.73
pull1D
Entries 67
Mean −0.06617
Std Dev 2.245

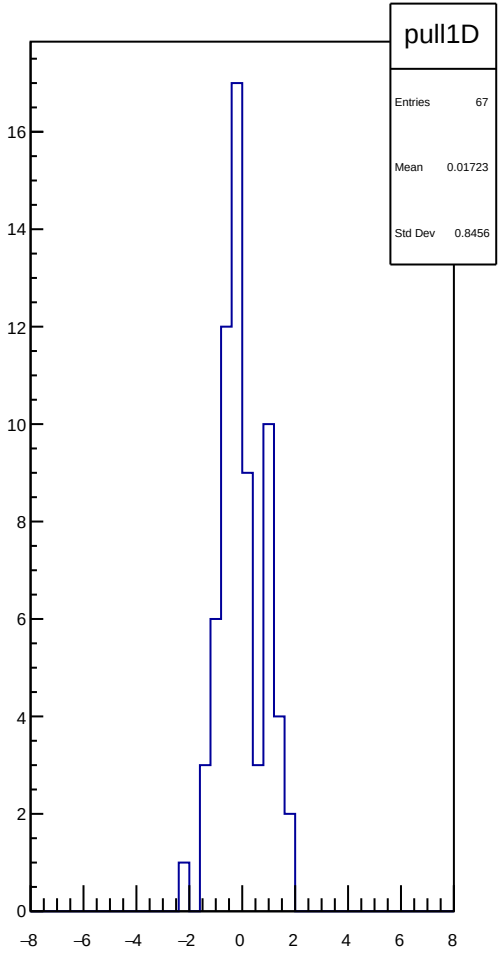

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 185.7 / 66
p0 −2.45 ± 0.1241
pull
Entries 67
Mean 2353
Std Dev 2335

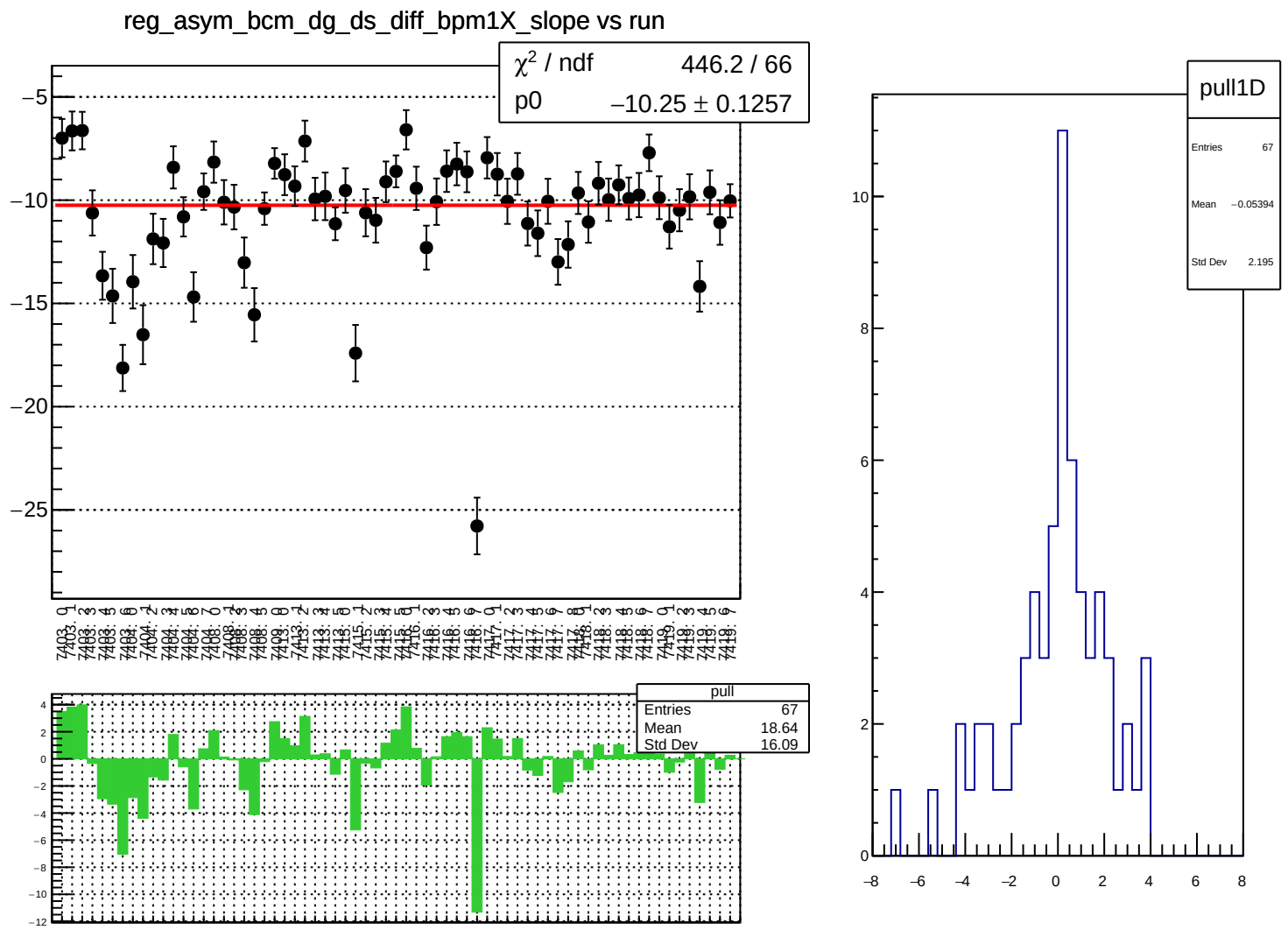

pull1D
Entries 67
Mean −0.002273
Std Dev 1.665

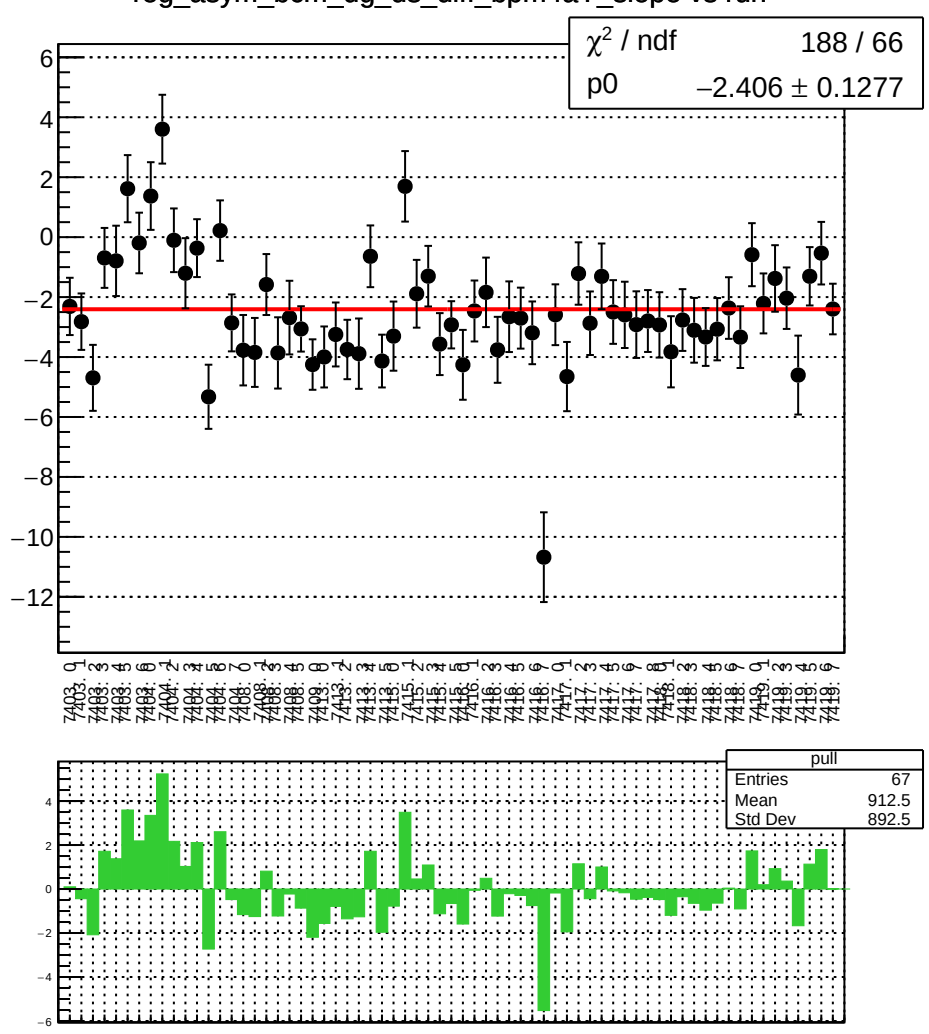

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 444.3 / 66
p0 10.39 ± 0.127
pull
Entries 67
Mean 15.59
Std Dev 14.87
pull1D
Entries 67
Mean 0.06982
Std Dev 2.224

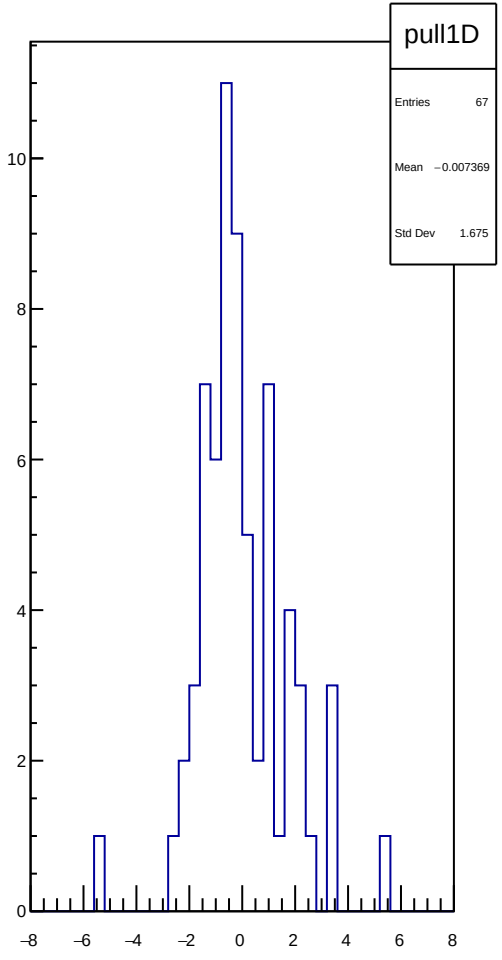

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 187 / 66
p0 1.863 ± 0.1312
pull
Entries 67
Mean −455.9
Std Dev 474.1
pull1D
Entries 67
Mean −0.01039
Std Dev 1.671

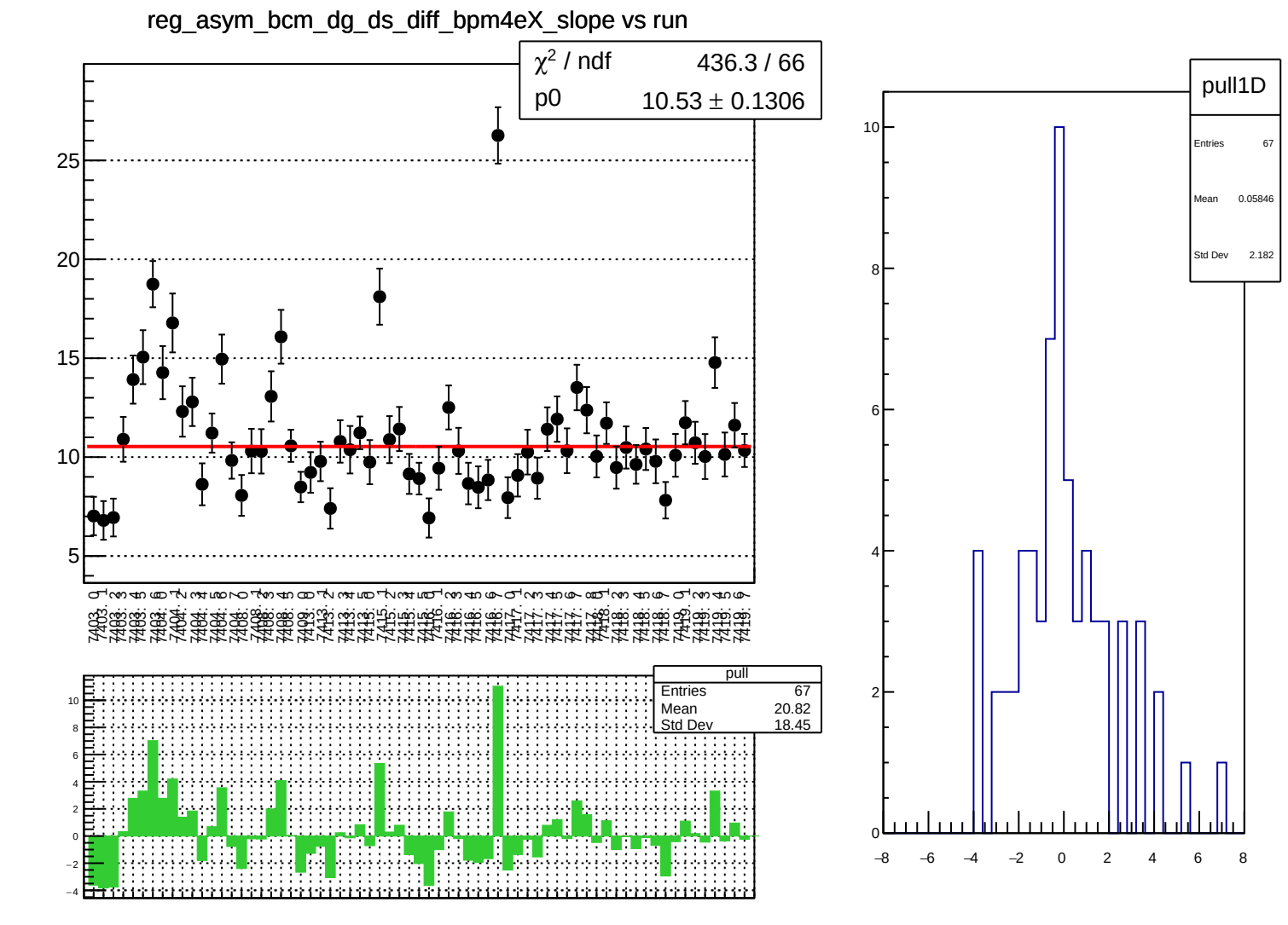

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 47.93 / 66
p0 0.1501 ± 0.005791
pull
Entries 67
Mean 194.4
Std Dev 168.5

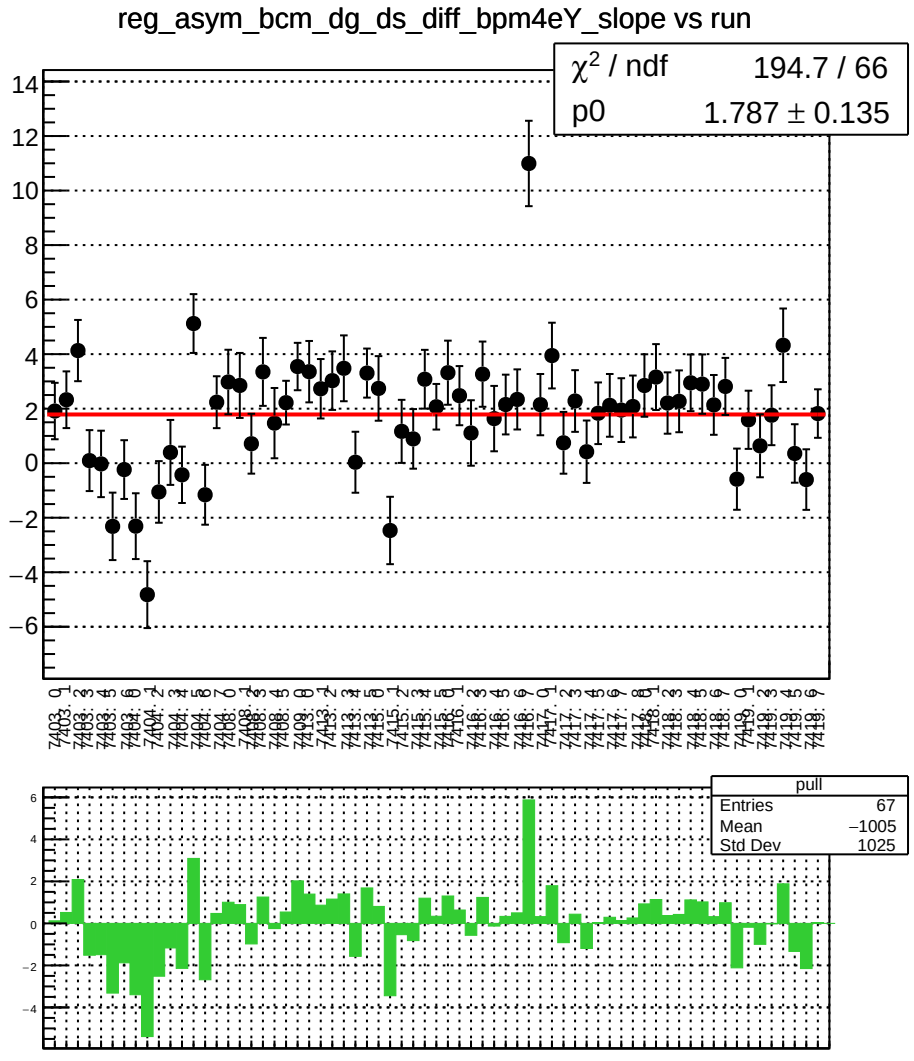

pull1D
Entries 67
Mean 0.01723
Std Dev 0.8456

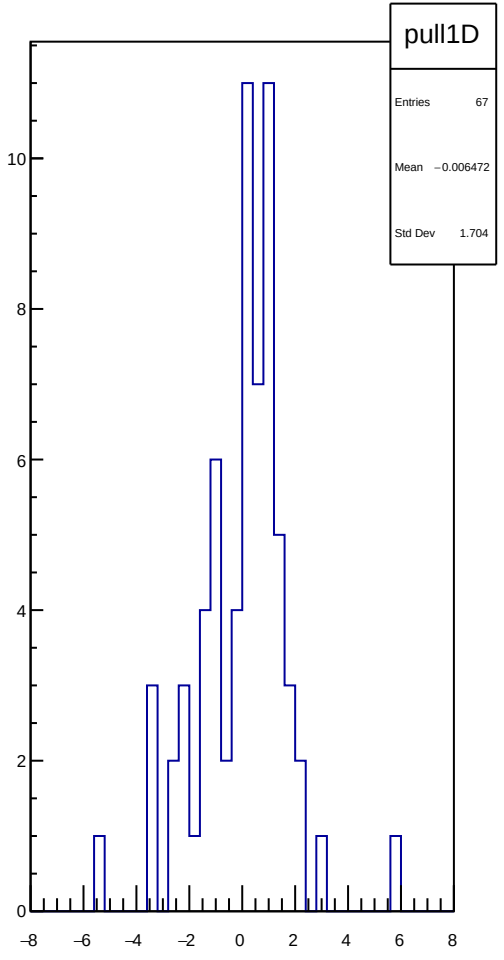

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 446.2 / 66
p0 −10.25 ± 0.1257
pull
Entries 67
Mean 18.64
Std Dev 16.09
pull1D
Entries 67
Mean −0.05394
Std Dev 2.195

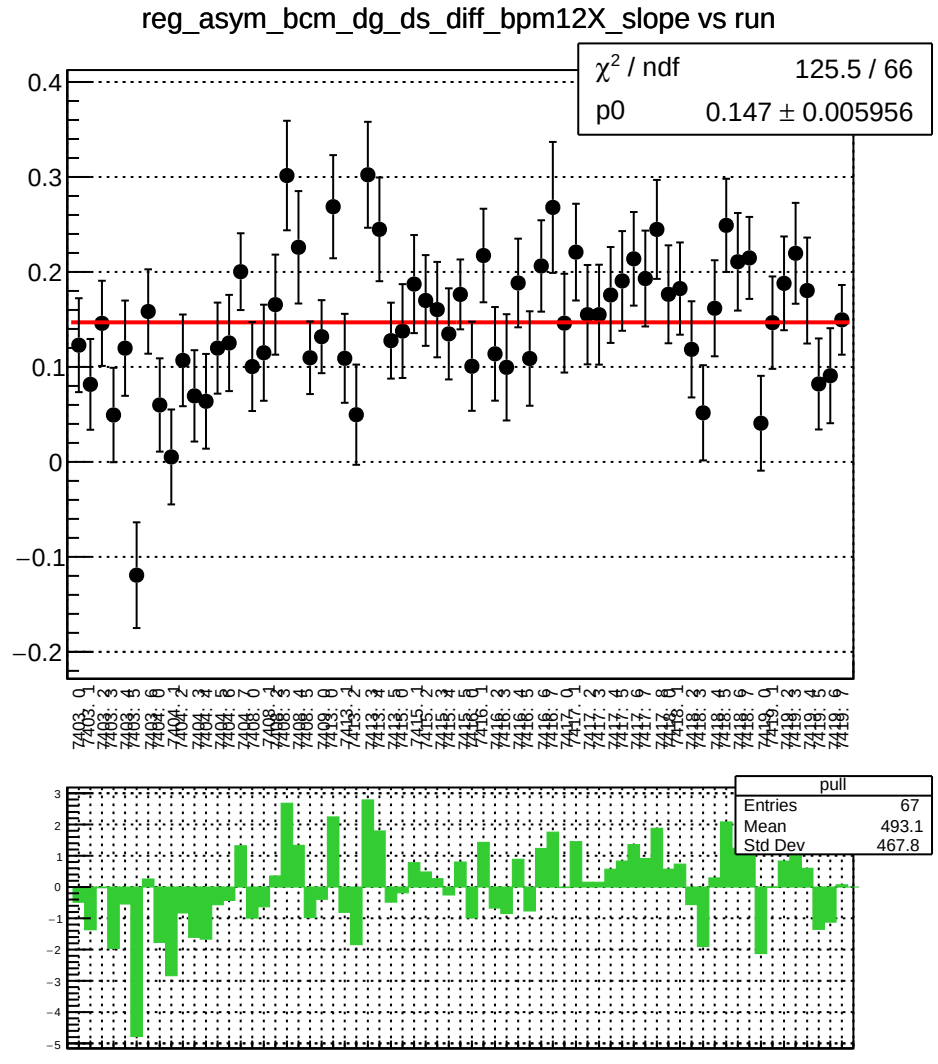

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 188 / 66
p0 −2.406 ± 0.1277
pull
Entries 67
Mean 912.5
Std Dev 892.5

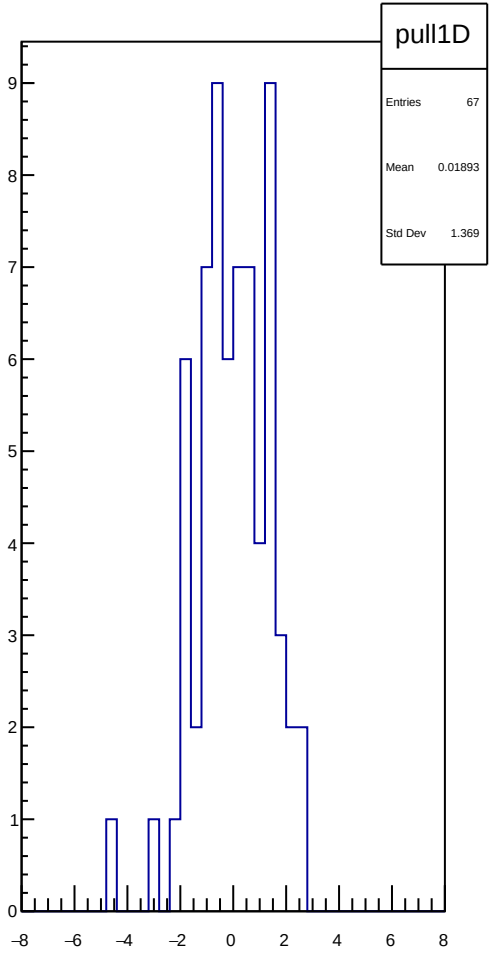

pull1D
Entries 67
Mean −0.007369
Std Dev 1.675

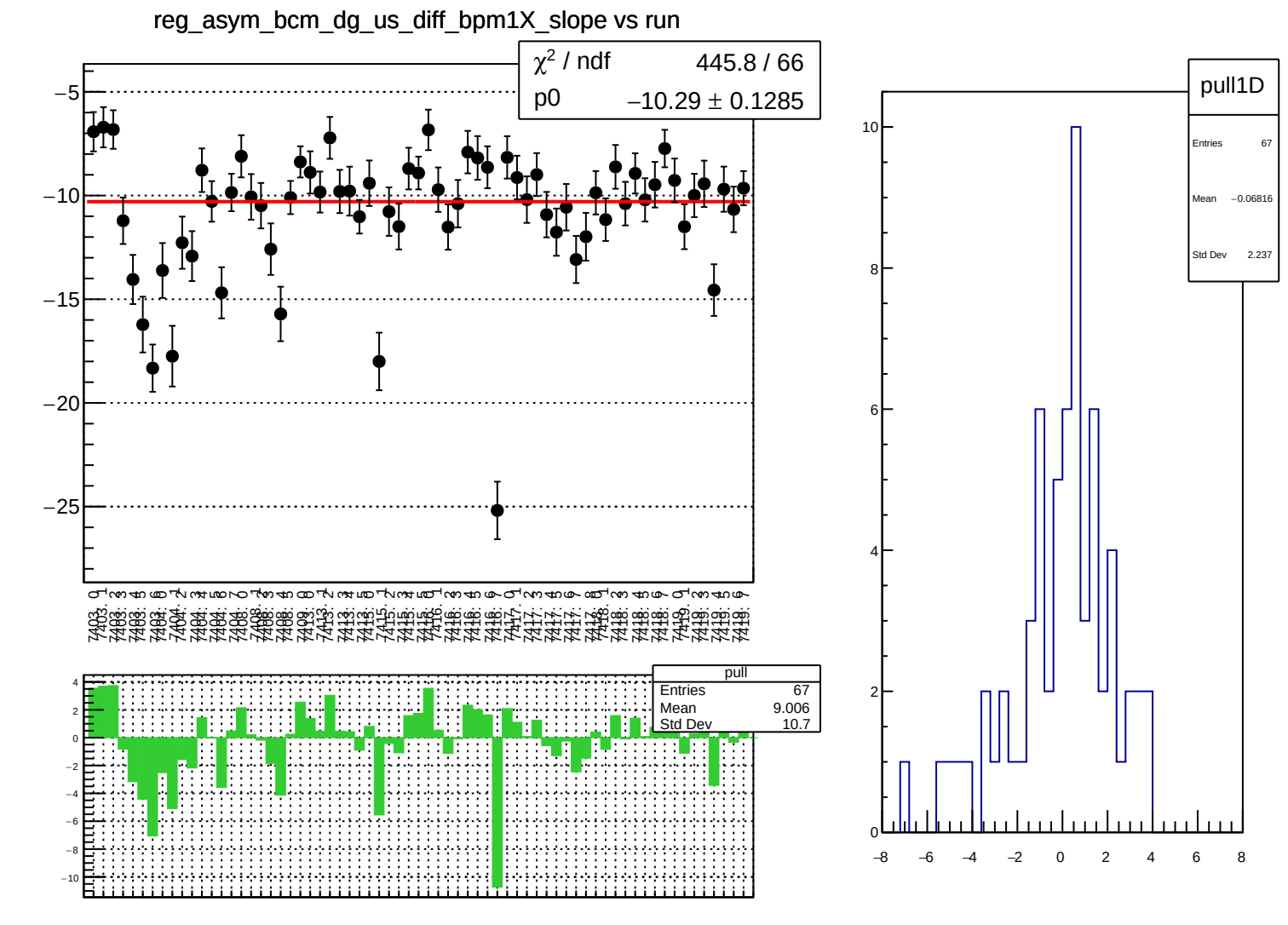

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 436.3 / 66
p0 10.53 ± 0.1306
pull
Entries 67
Mean 20.82
Std Dev 18.45
pull1D
Entries 67
Mean 0.05846
Std Dev 2.182

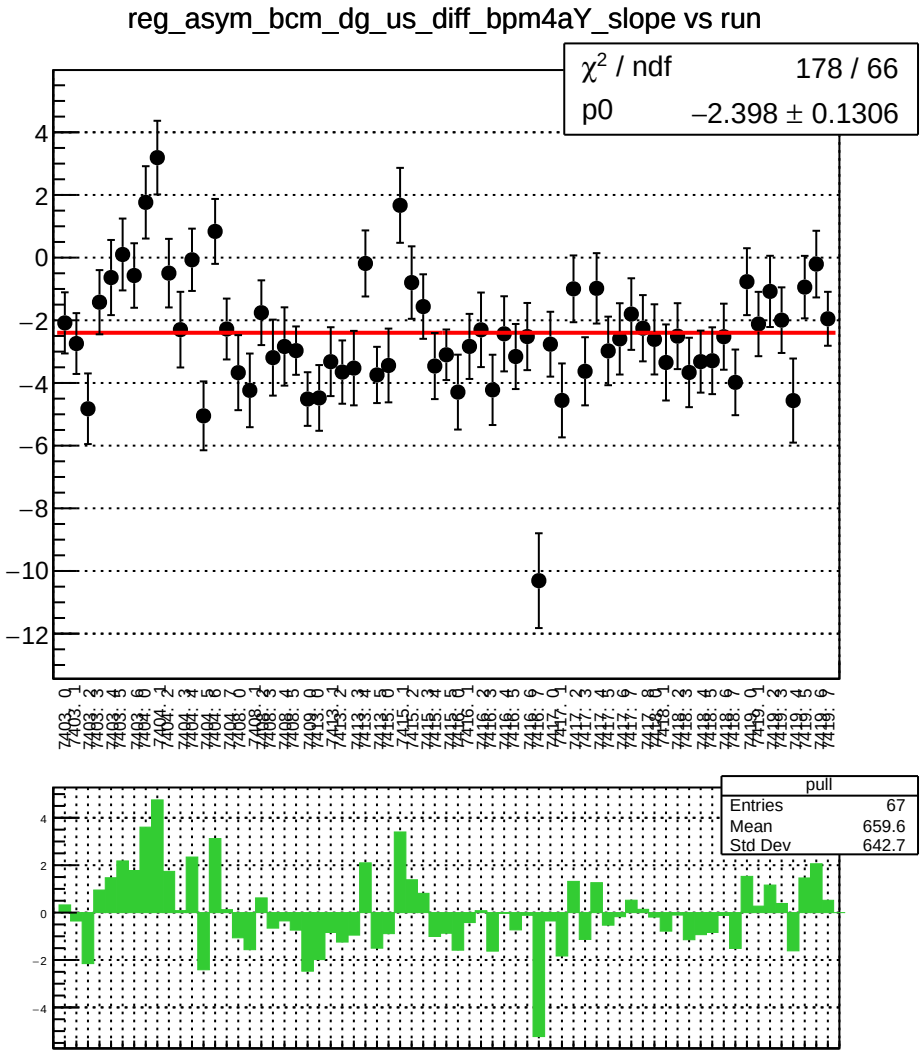

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 194.7 / 66
p0 1.787 ± 0.135
pull
Entries 67
Mean −1005
Std Dev 1025

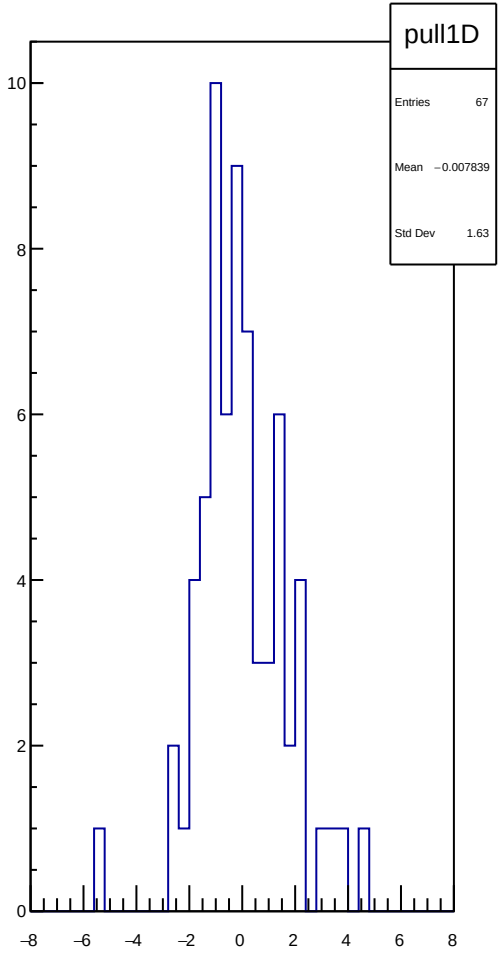

pull1D
Entries 67
Mean −0.006472
Std Dev 1.704

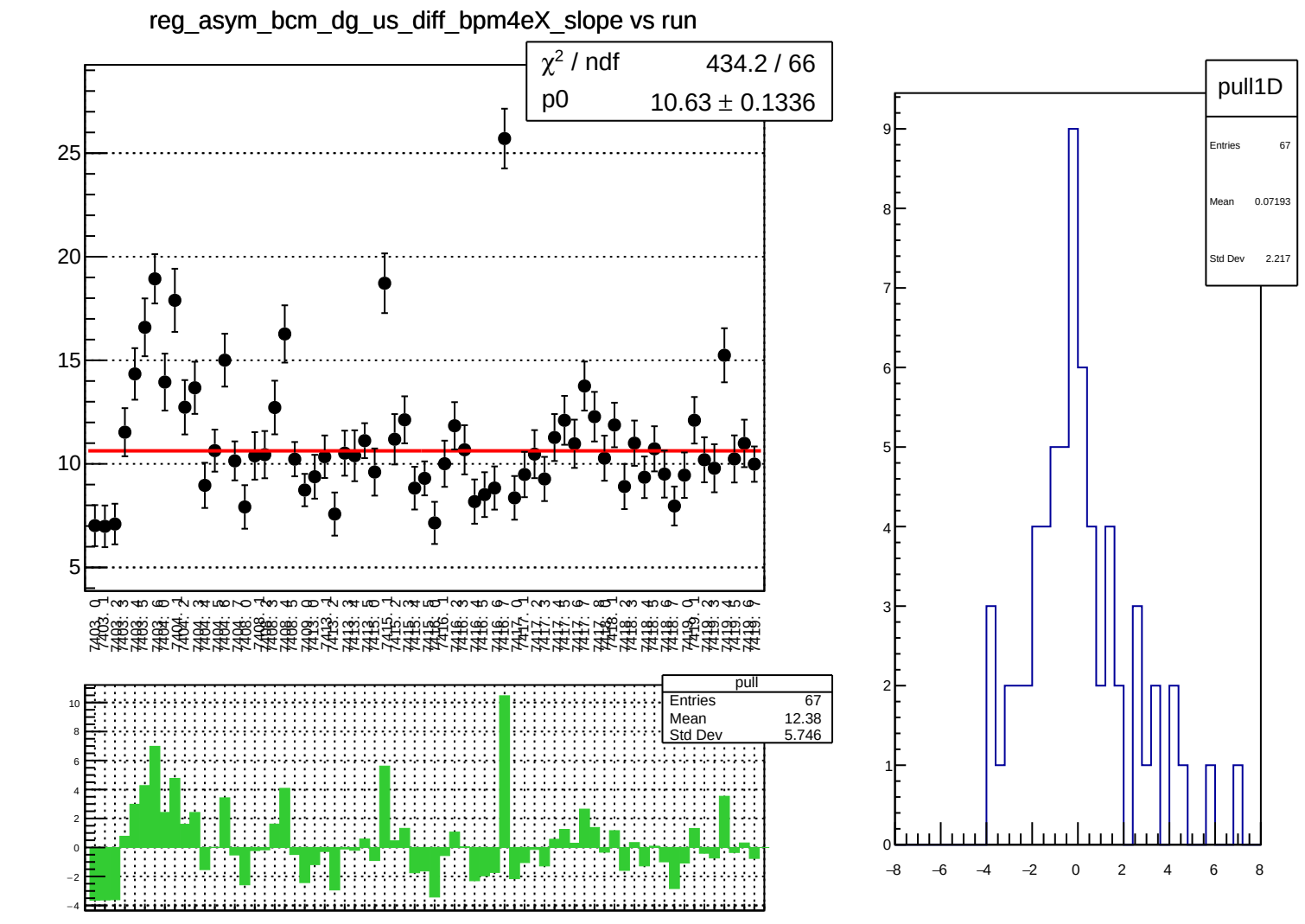

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 125.5 / 66
p0 0.147 ± 0.005956
pull
Entries 67
Mean 493.1
Std Dev 467.8

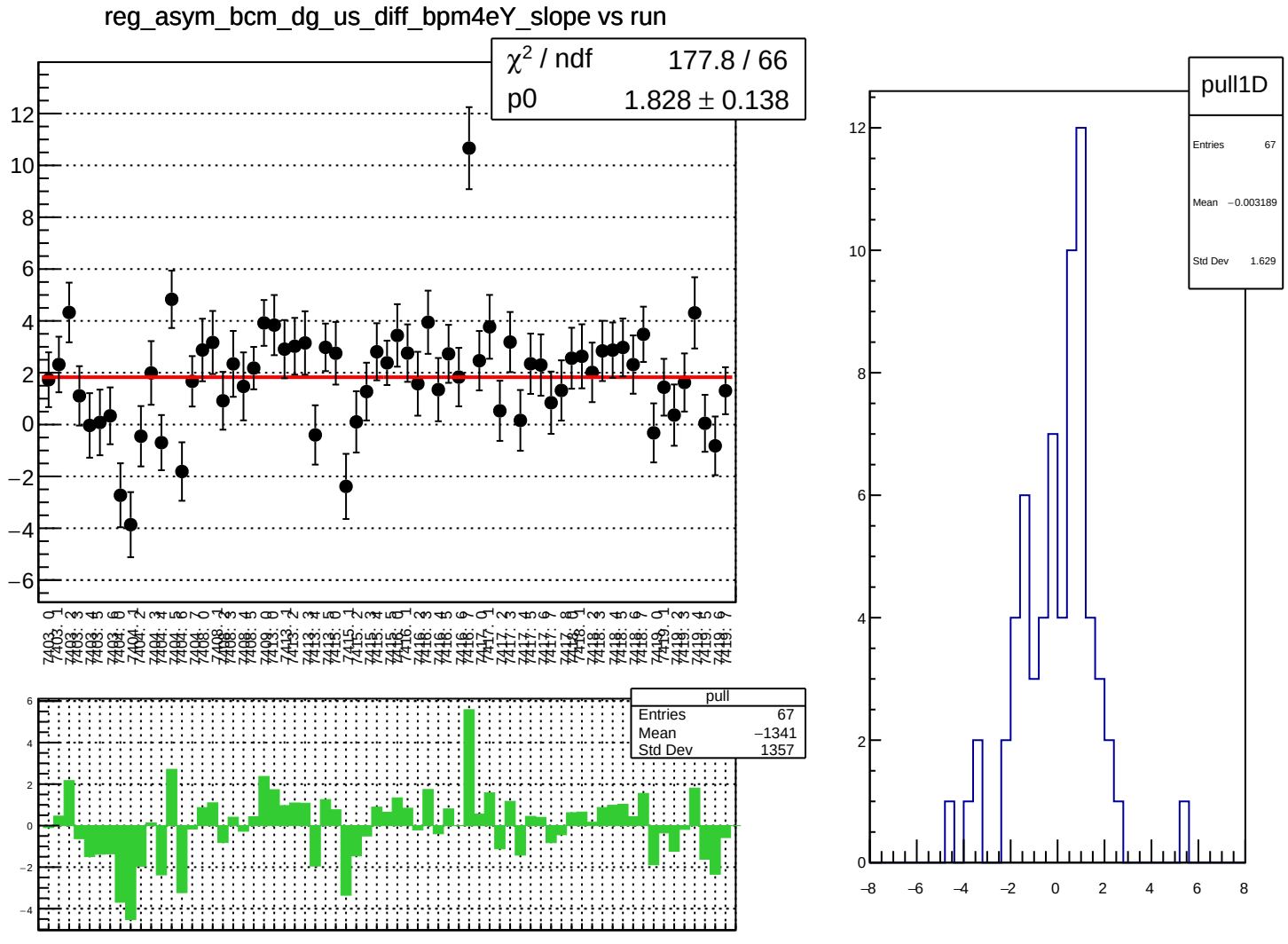

pull1D
Entries 67
Mean 0.01893
Std Dev 1.369

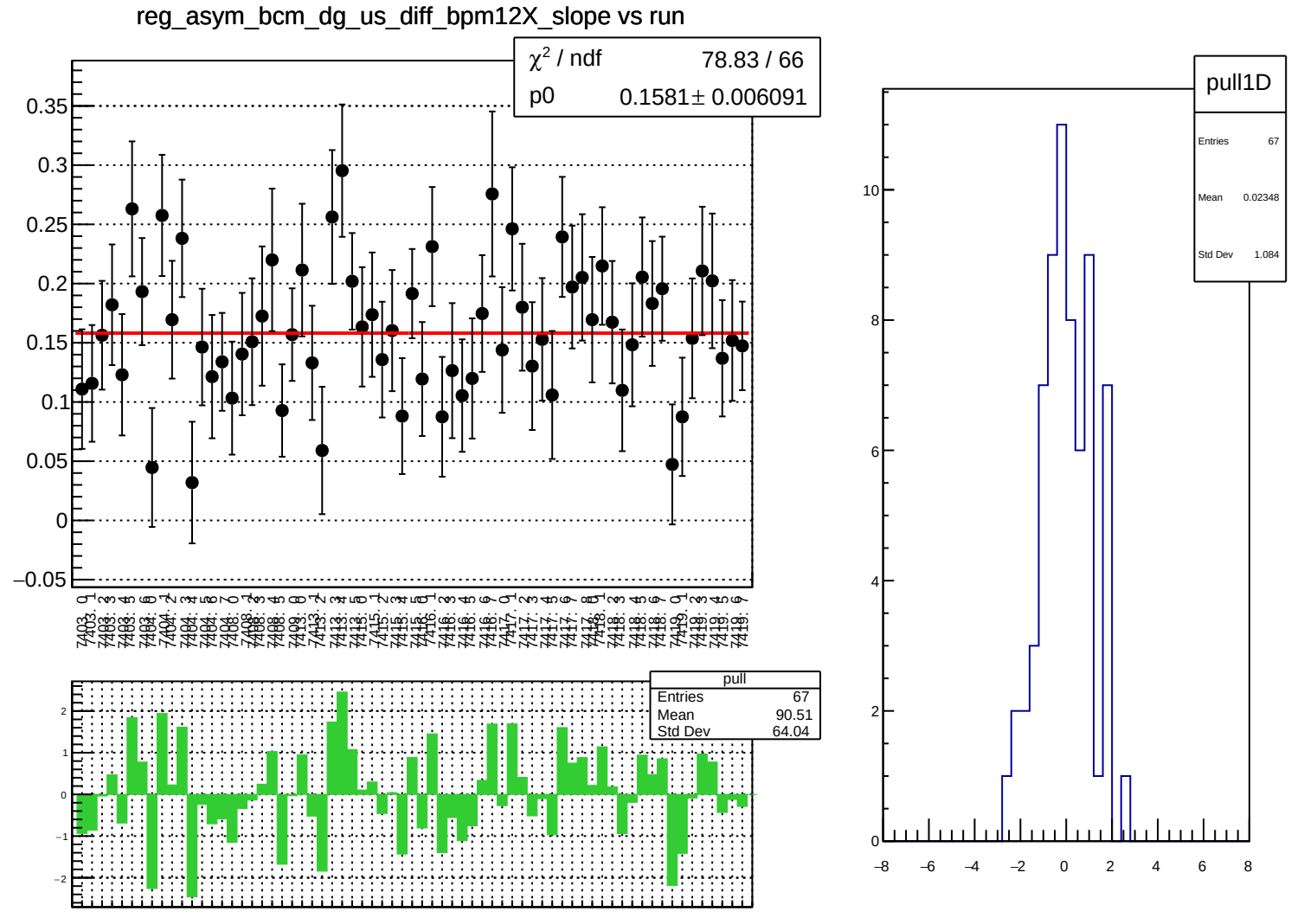

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 445.8 / 66
p0 −10.29 ± 0.1285
pull
Entries 67
Mean 9.006
Std Dev 10.7
pull1D
Entries 67
Mean −0.06816
Std Dev 2.237


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 178 / 66
p0 −2.398 ± 0.1306
pull
Entries 67
Mean 659.6
Std Dev 642.7


pull1D
Entries 67
Mean −0.007839
Std Dev 1.63


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 434.2 / 66
p0 10.63 ± 0.1336
pull
Entries 67
Mean 12.38
Std Dev 5.746
pull1D
Entries 67
Mean 0.07193
Std Dev 2.217


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 177.8 / 66
p0 1.828 ± 0.138
pull
Entries 67
Mean −1341
Std Dev 1357
pull1D
Entries 67
Mean −0.003189
Std Dev 1.629


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 78.83 / 66
p0 0.1581 ± 0.006091
pull
Entries 67
Mean 90.51
Std Dev 64.04
pull1D
Entries 67
Mean 0.02348
Std Dev 1.084