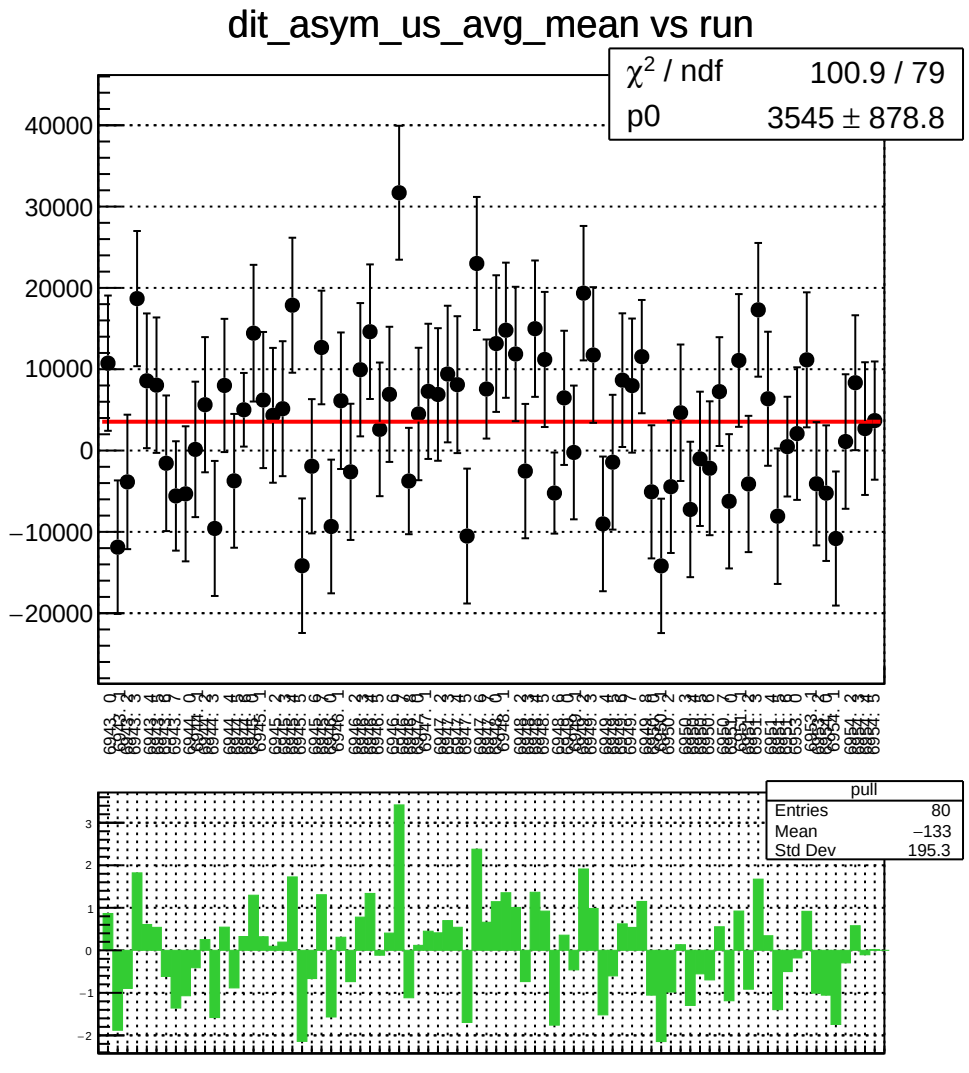
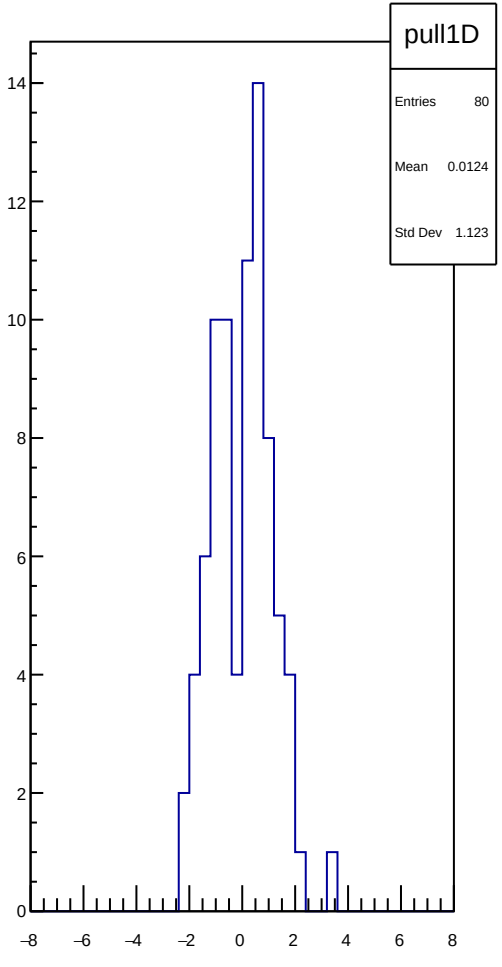
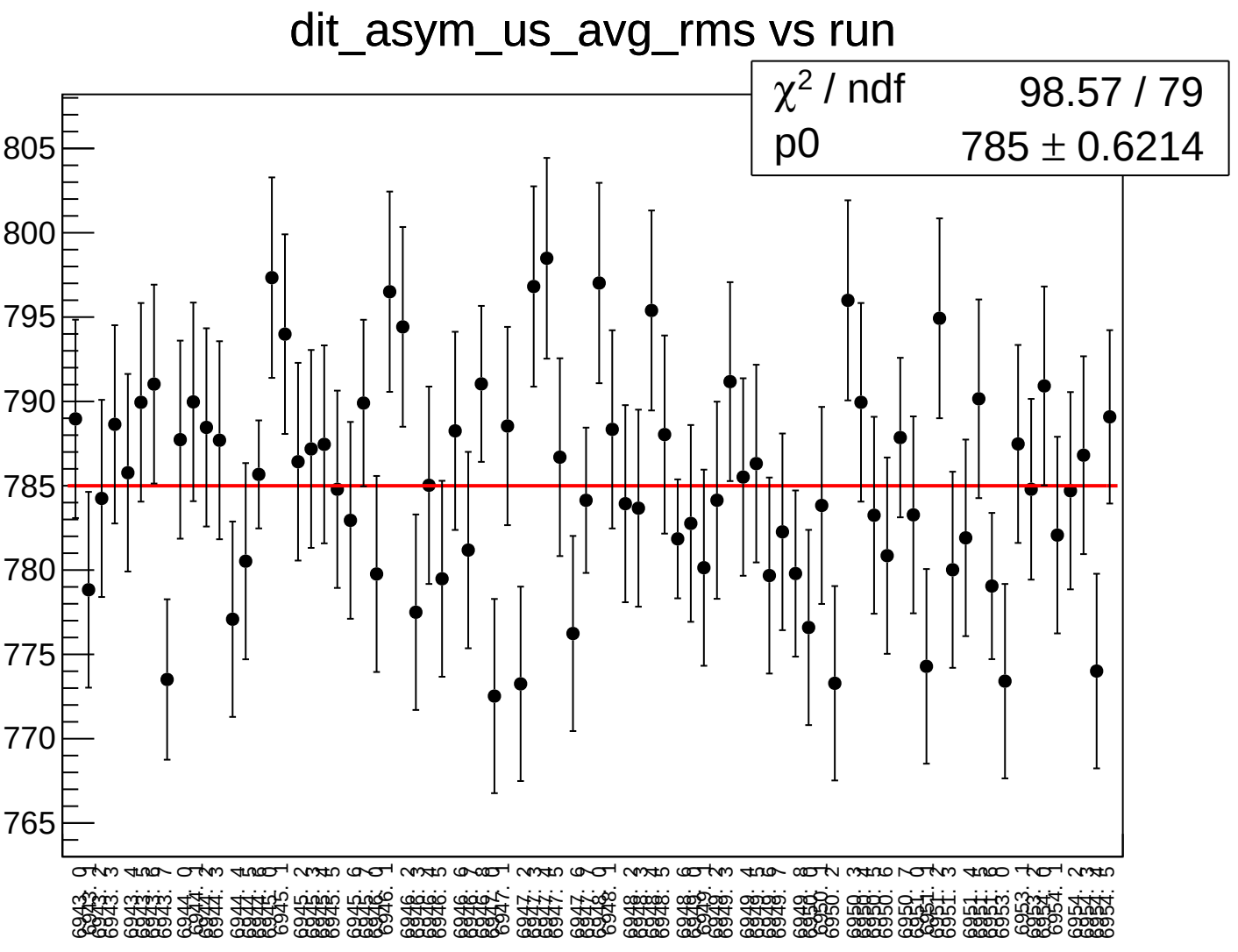
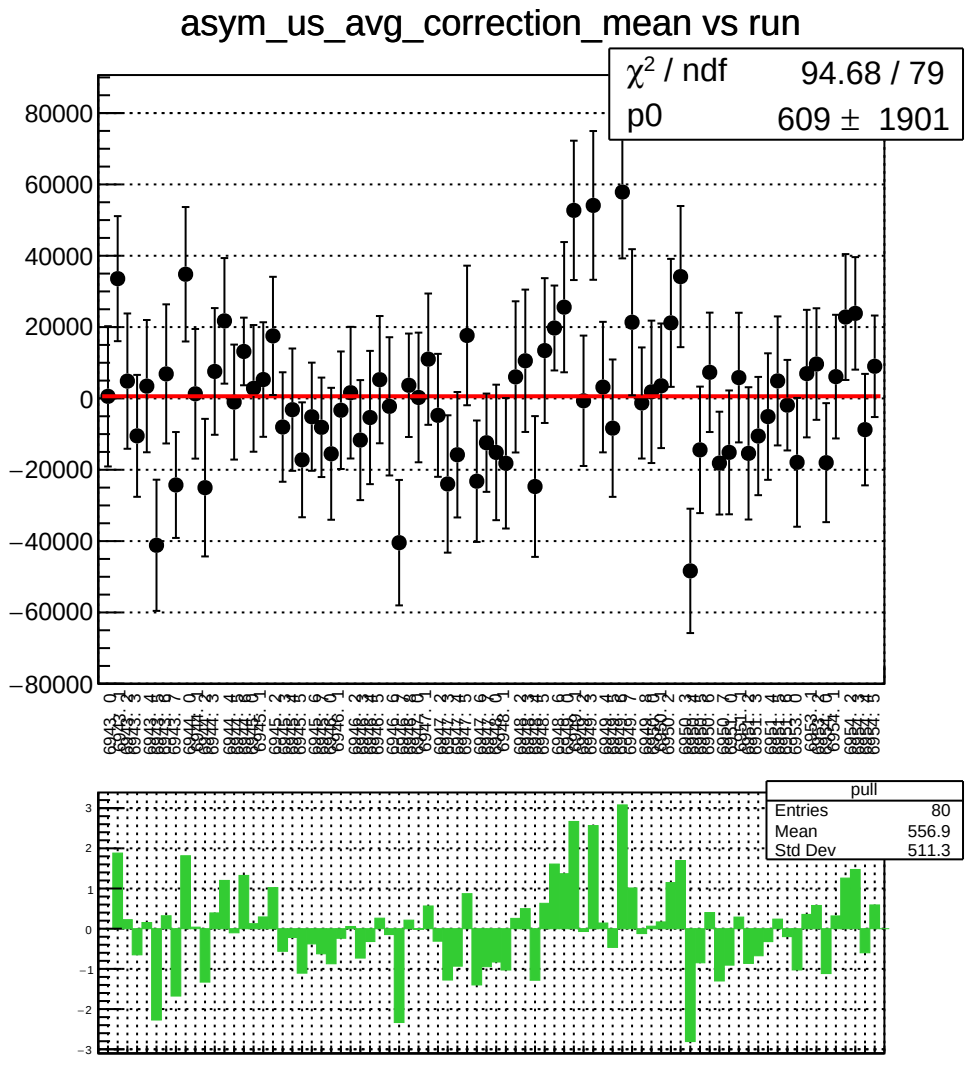
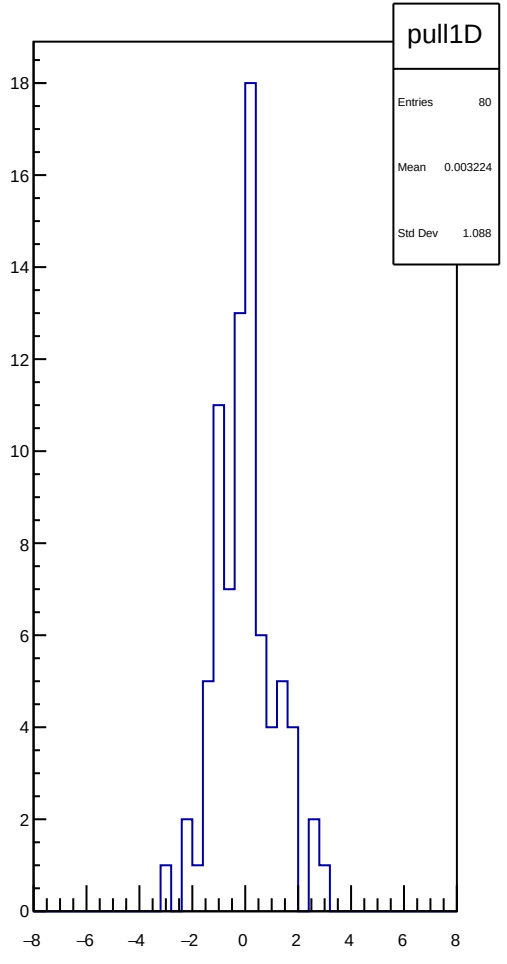
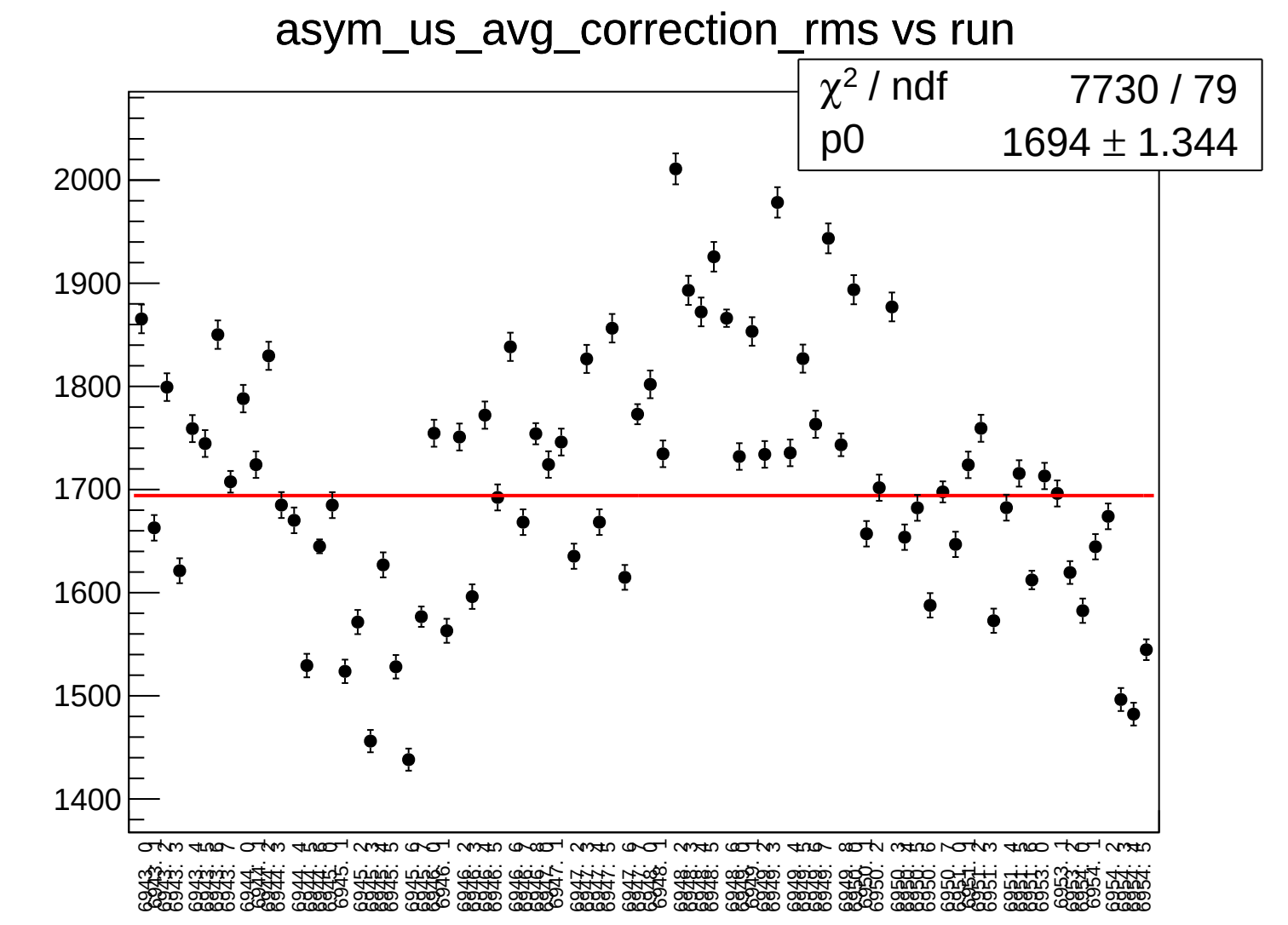

dit_asym_us_avg_mean vs run
χ² / ndf 100.9 / 79
p0 3545 ± 878.8
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −133
Std Dev 195.3
3
2
1
0
−1
−2

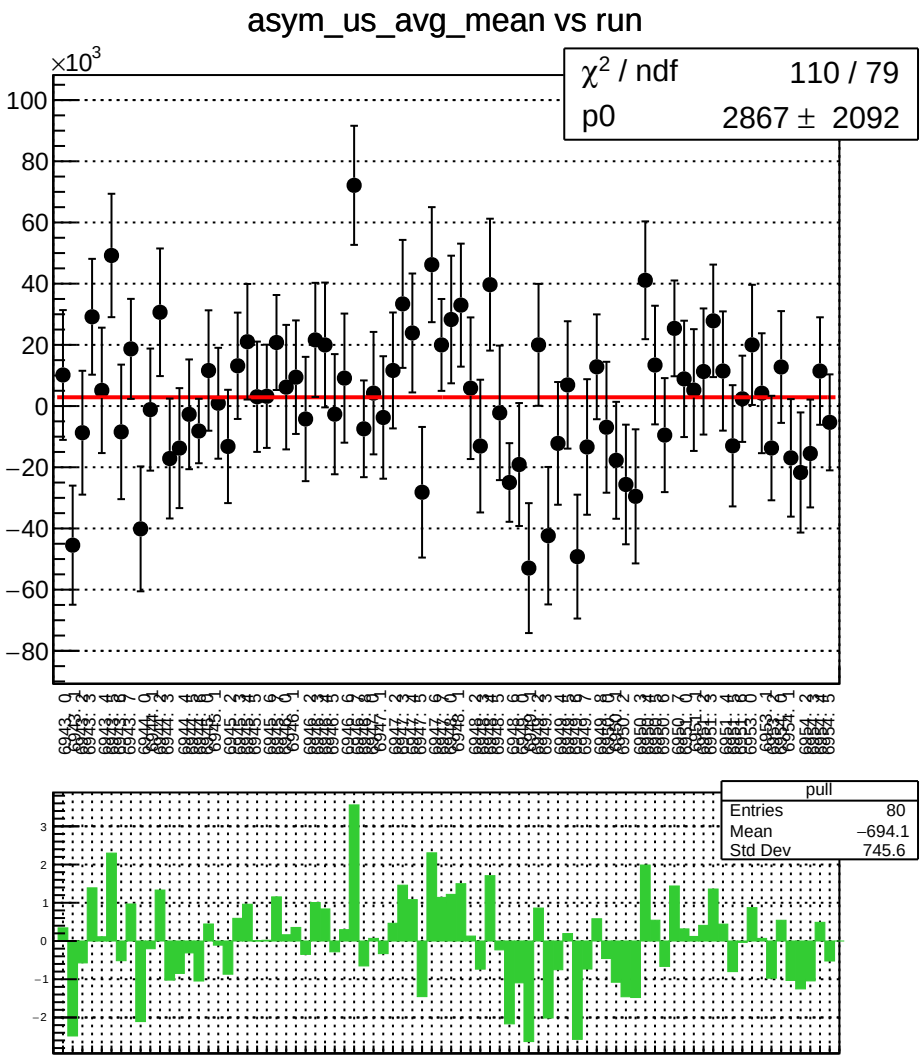

pull1D
Entries 80
Mean 0.0124
Std Dev 1.123
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

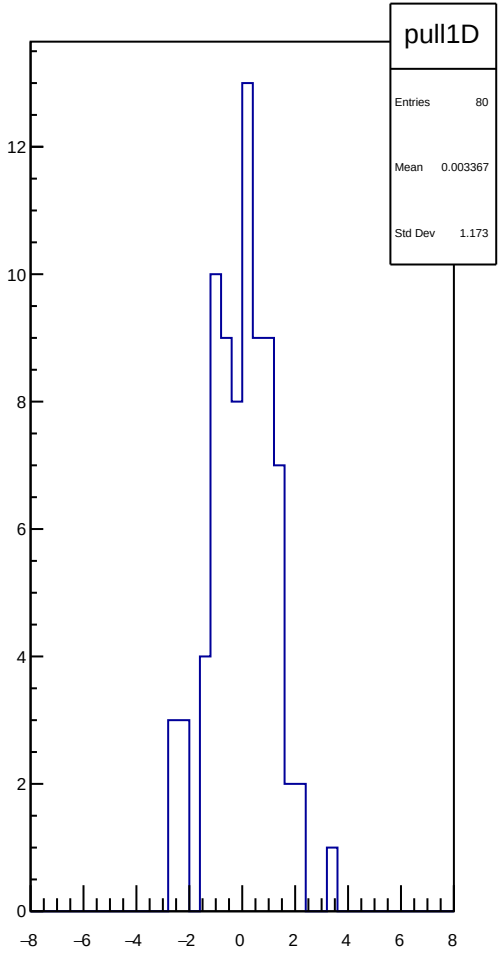

dit_asym_us_avg_rms vs run
χ² / ndf 98.57 / 79
p0 785 ± 0.6214
805
800
795
790
785
780
775
770
765

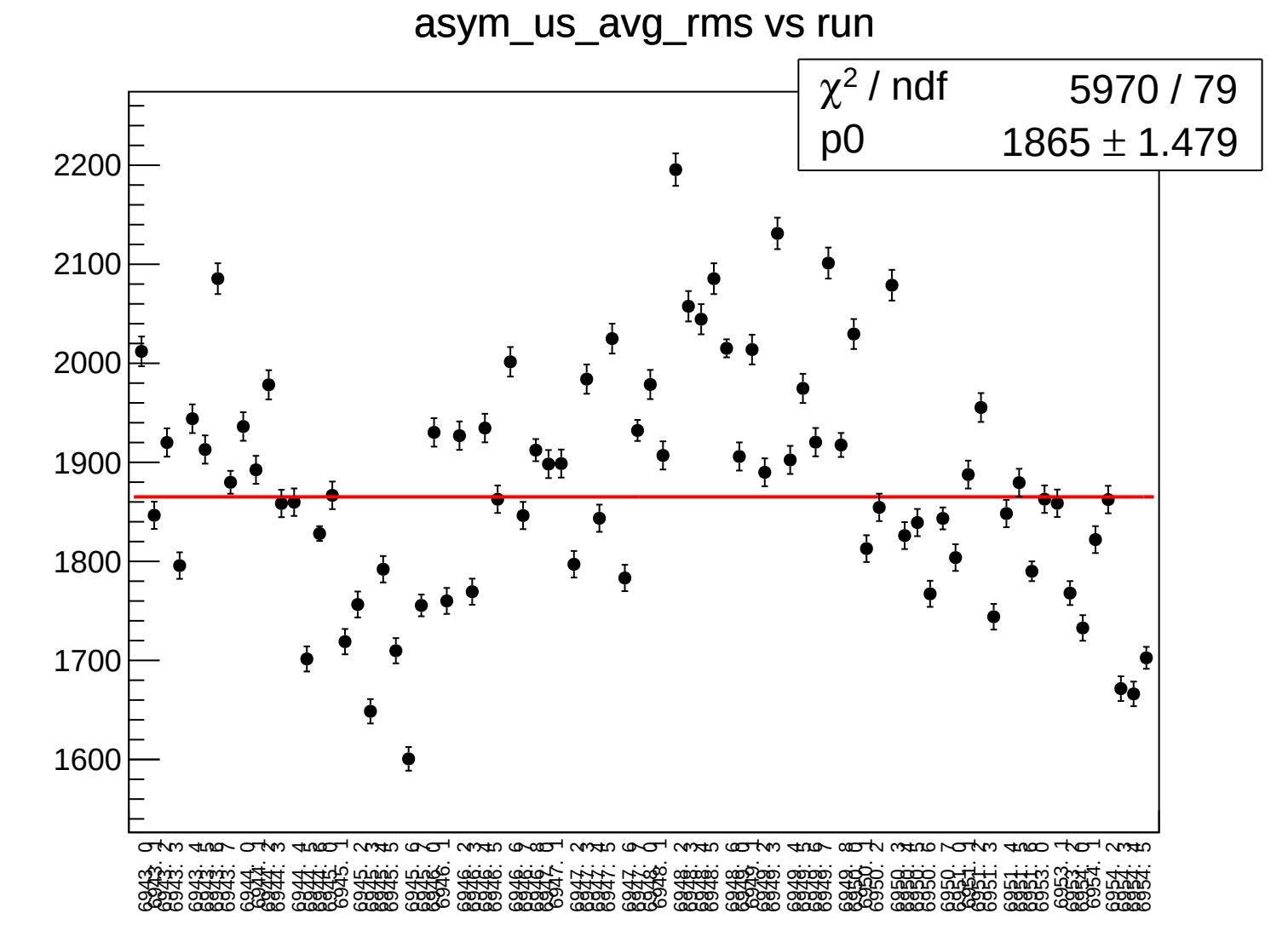

asym_us_avg_correction_mean vs run
χ² / ndf 94.68 / 79
p0 609 ± 1901
pull
Entries 80
Mean 556.9
Std Dev 511.3

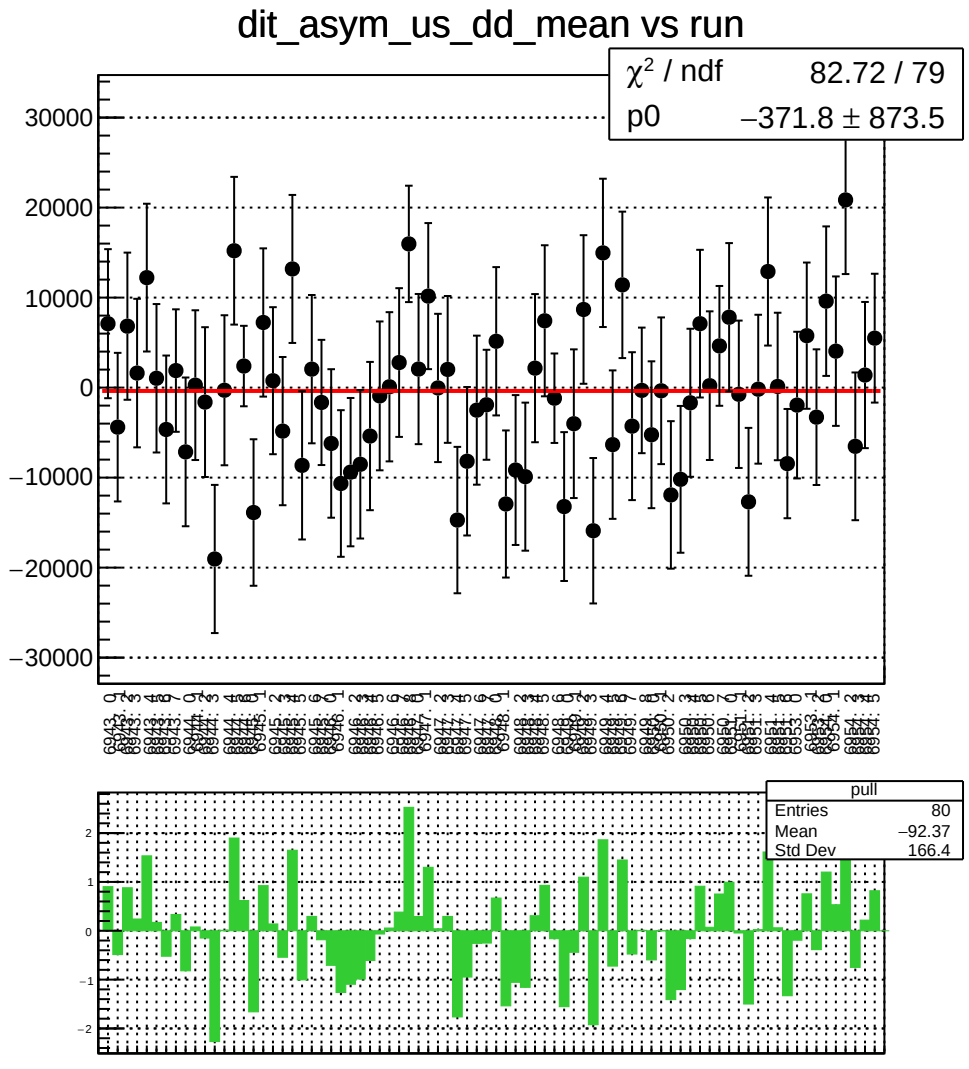

pull1D
Entries 80
Mean 0.003224
Std Dev 1.088

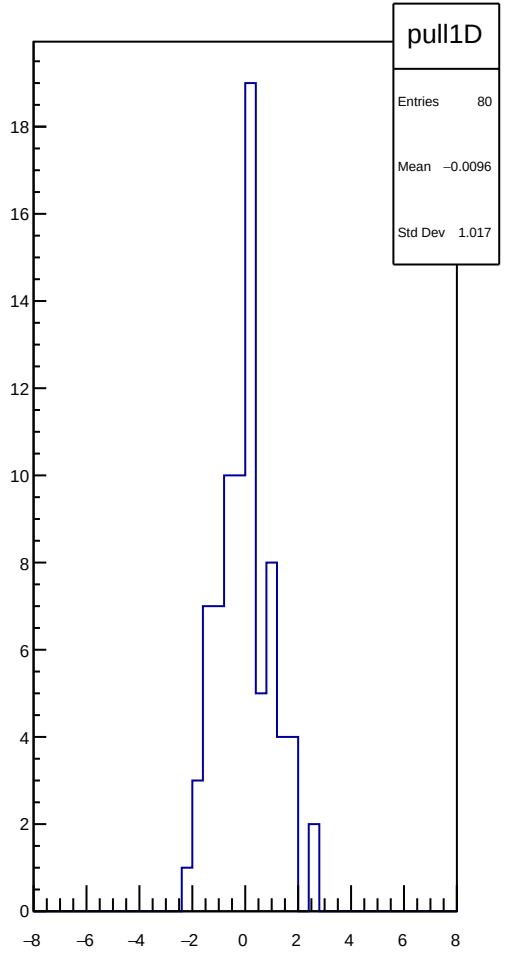

asym_us_avg_correction_rms vs run
χ² / ndf 7730 / 79
p0 1694 ± 1.344
2000
1900
1800
1700
1600
1500
1400

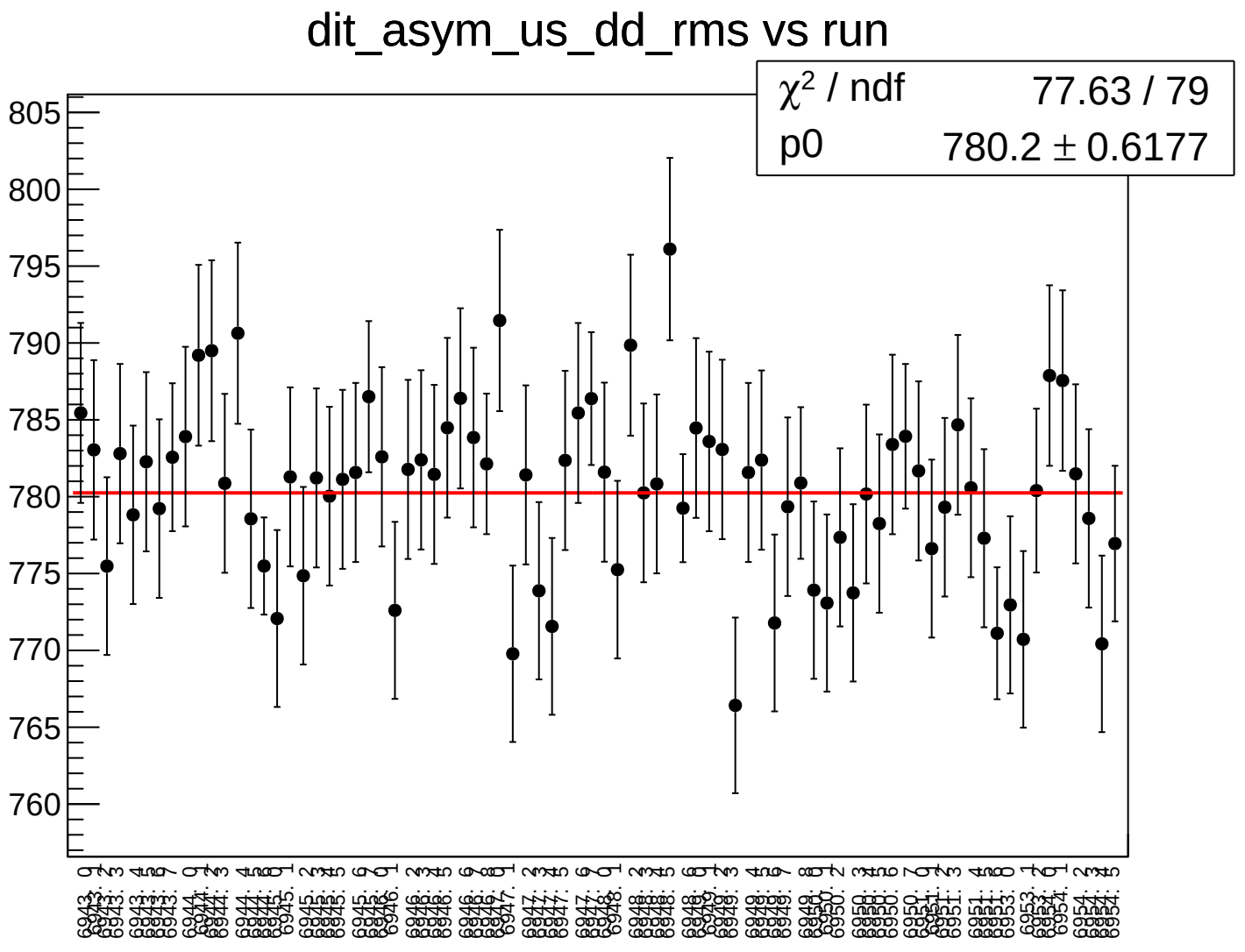

asym_us_avg_mean vs run
×10^3
χ² / ndf 110 / 79
p0 2867 ± 2092
pull
Entries 80
Mean −694.1
Std Dev 745.6

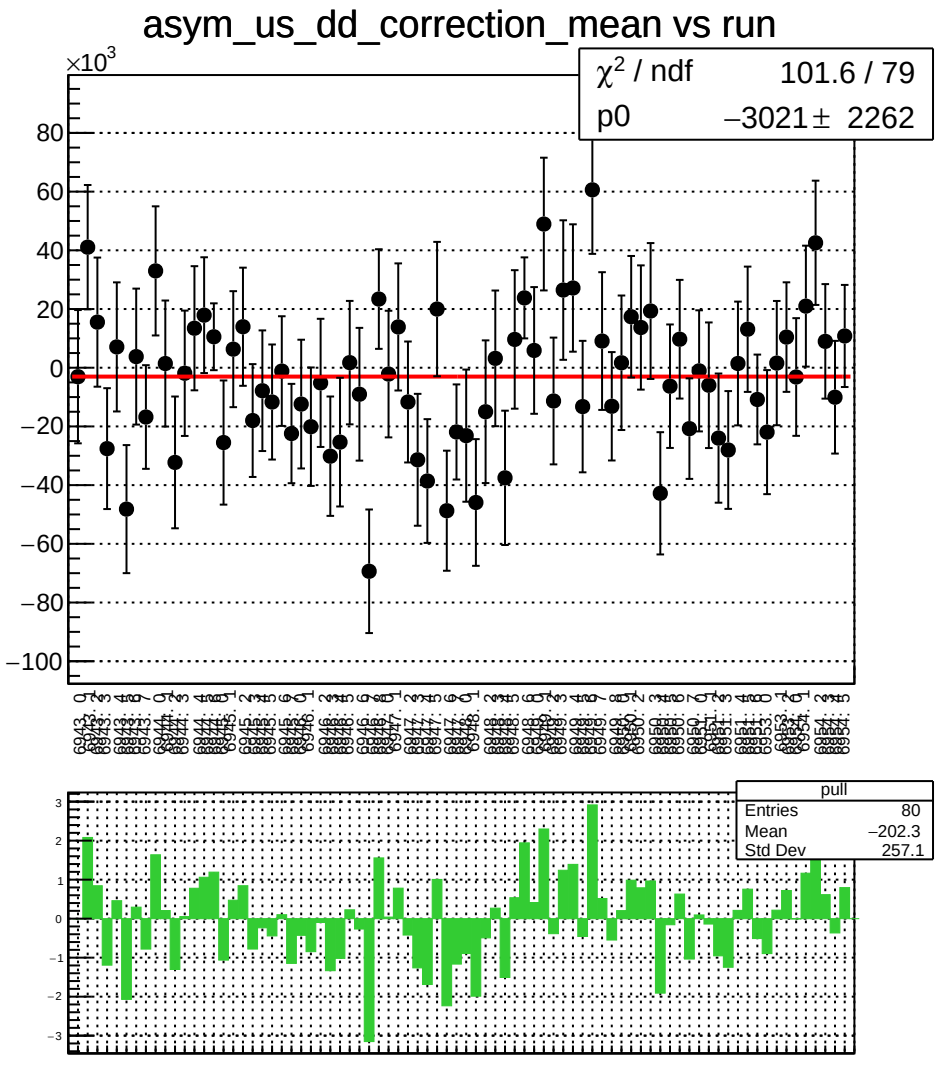

pull1D
Entries 80
Mean 0.003367
Std Dev 1.173

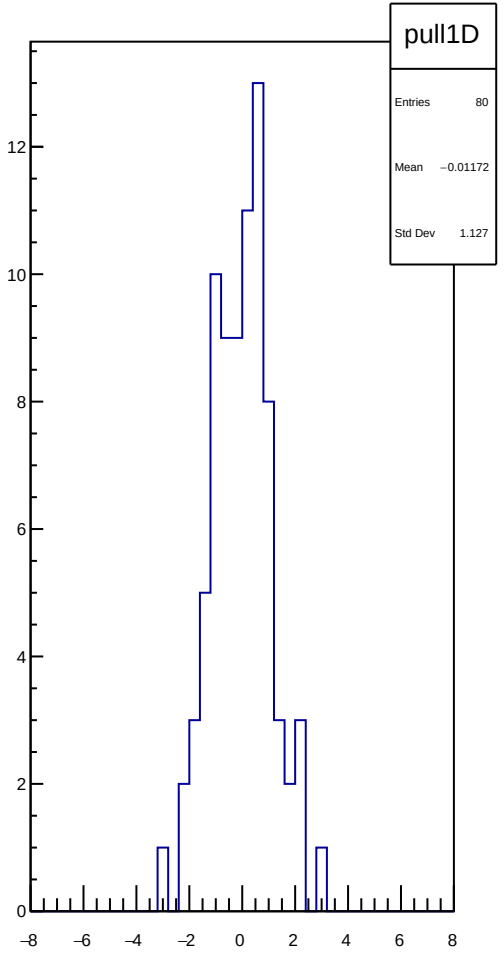

asym_us_avg_rms vs run
χ^2 / ndf 5970 / 79
p0 1865 ± 1.479
2200
2100
2000
1900
1800
1700
1600

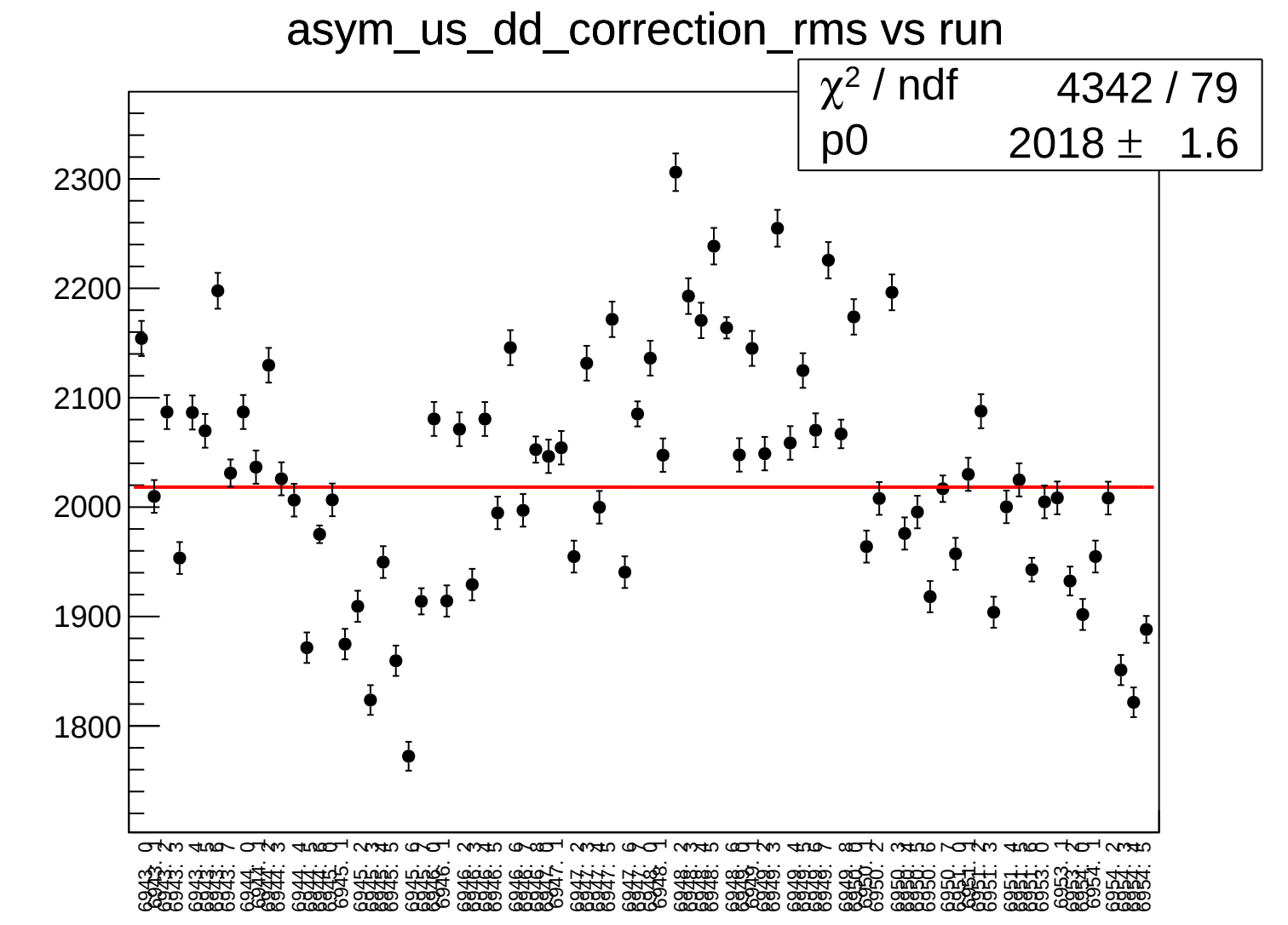

dit_asym_us_dd_mean vs run
χ² / ndf 82.72 / 79
p0 −371.8 ± 873.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −92.37
Std Dev 166.4
2
1
0
−1
−2

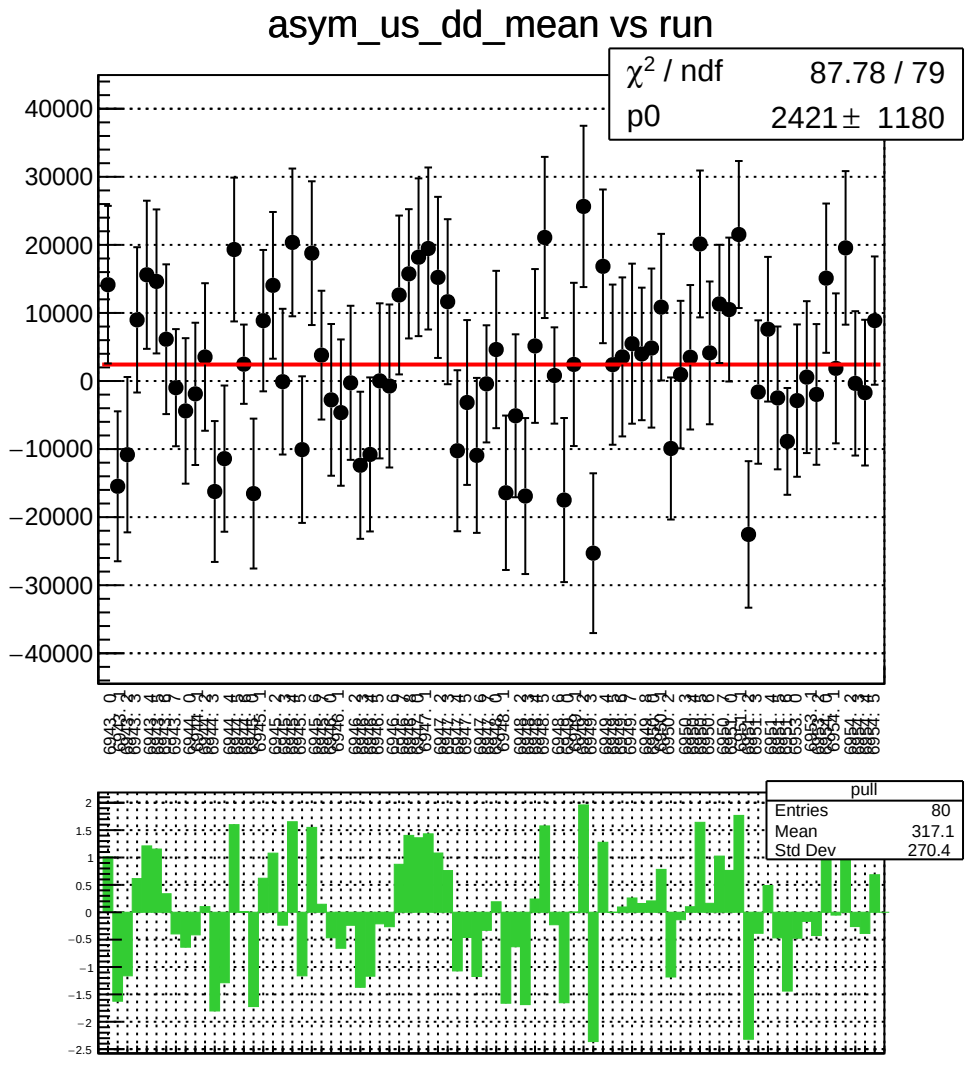

pull1D
Entries 80
Mean −0.0096
Std Dev 1.017
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

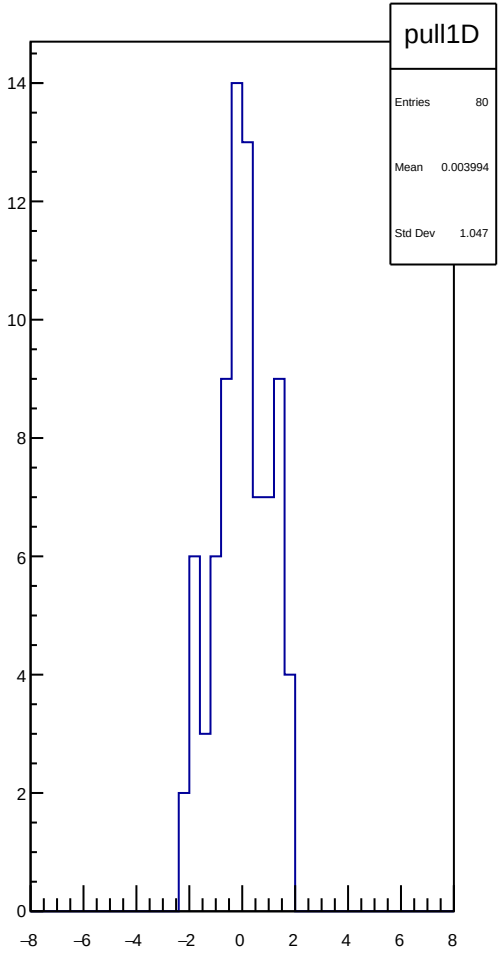

dit_asym_us_dd_rms vs run
χ² / ndf 77.63 / 79
p0 780.2 ± 0.6177
805
800
795
790
785
780
775
770
765
760

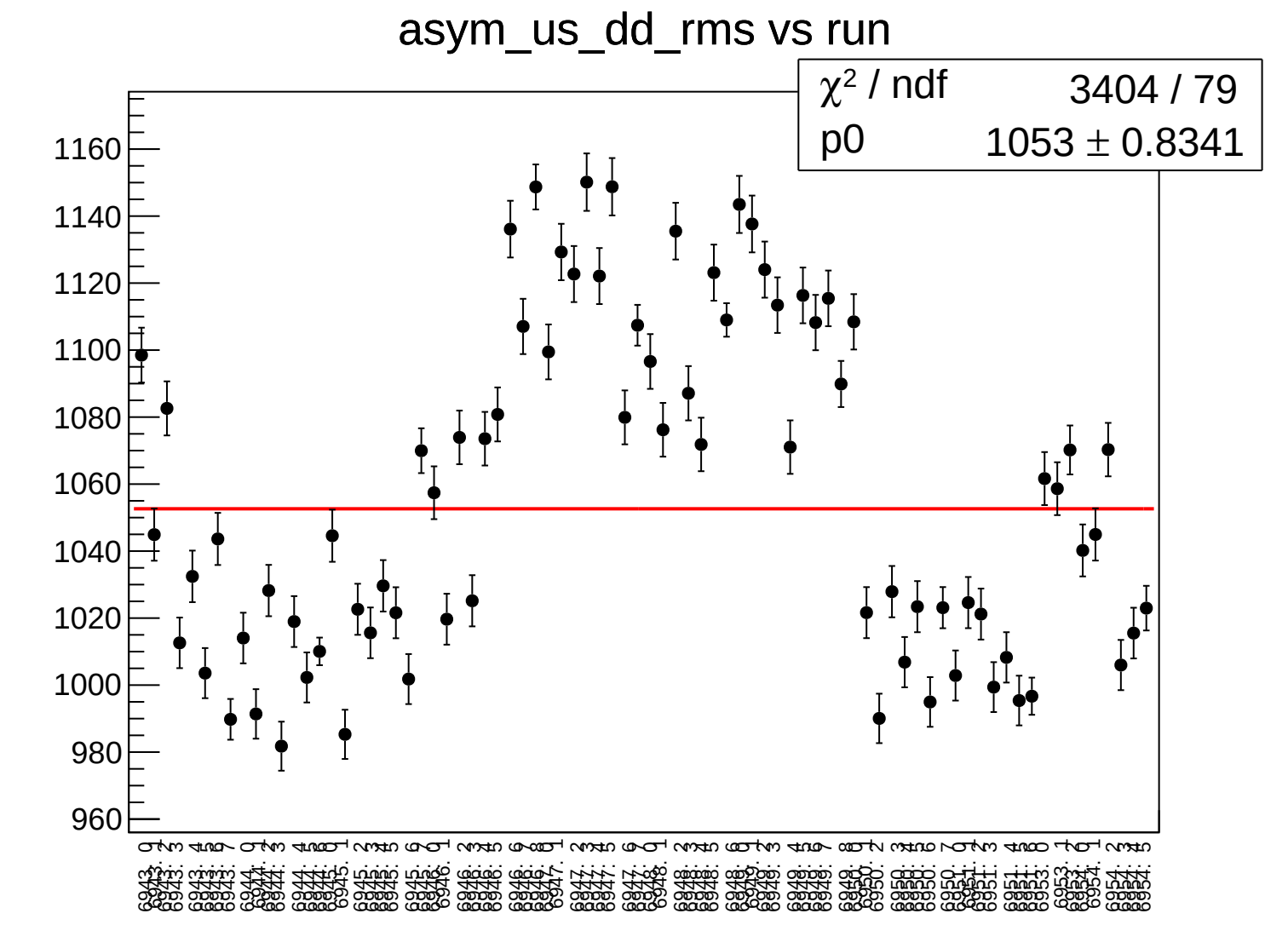

asym_us_dd_correction_mean vs run
×10^3
χ^2 / ndf 101.6 / 79
p0 −3021 ± 2262
pull
Entries 80
Mean −202.3
Std Dev 257.1

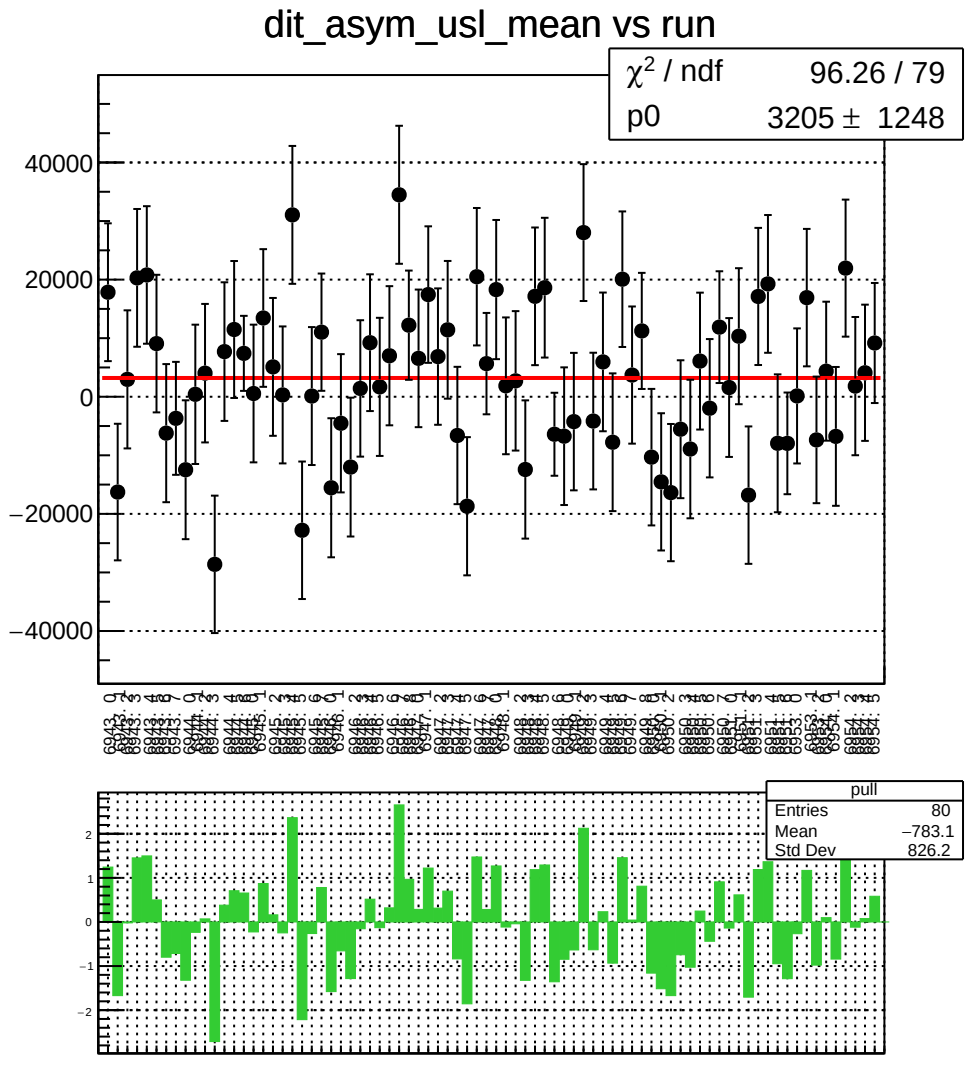

pull1D
Entries 80
Mean −0.01172
Std Dev 1.127

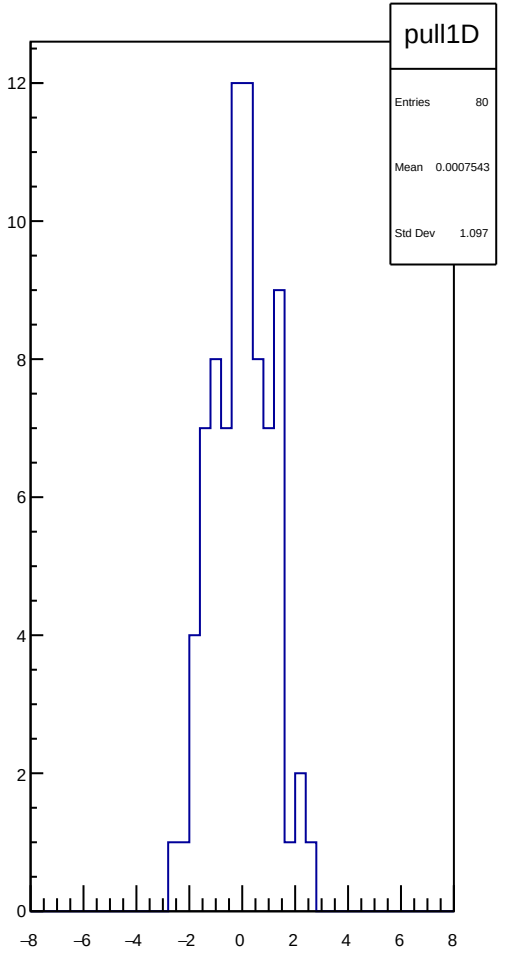

asym_us_dd_correction_rms vs run
χ² / ndf 4342 / 79
p0 2018 ± 1.6
2300
2200
2100
2000
1900
1800

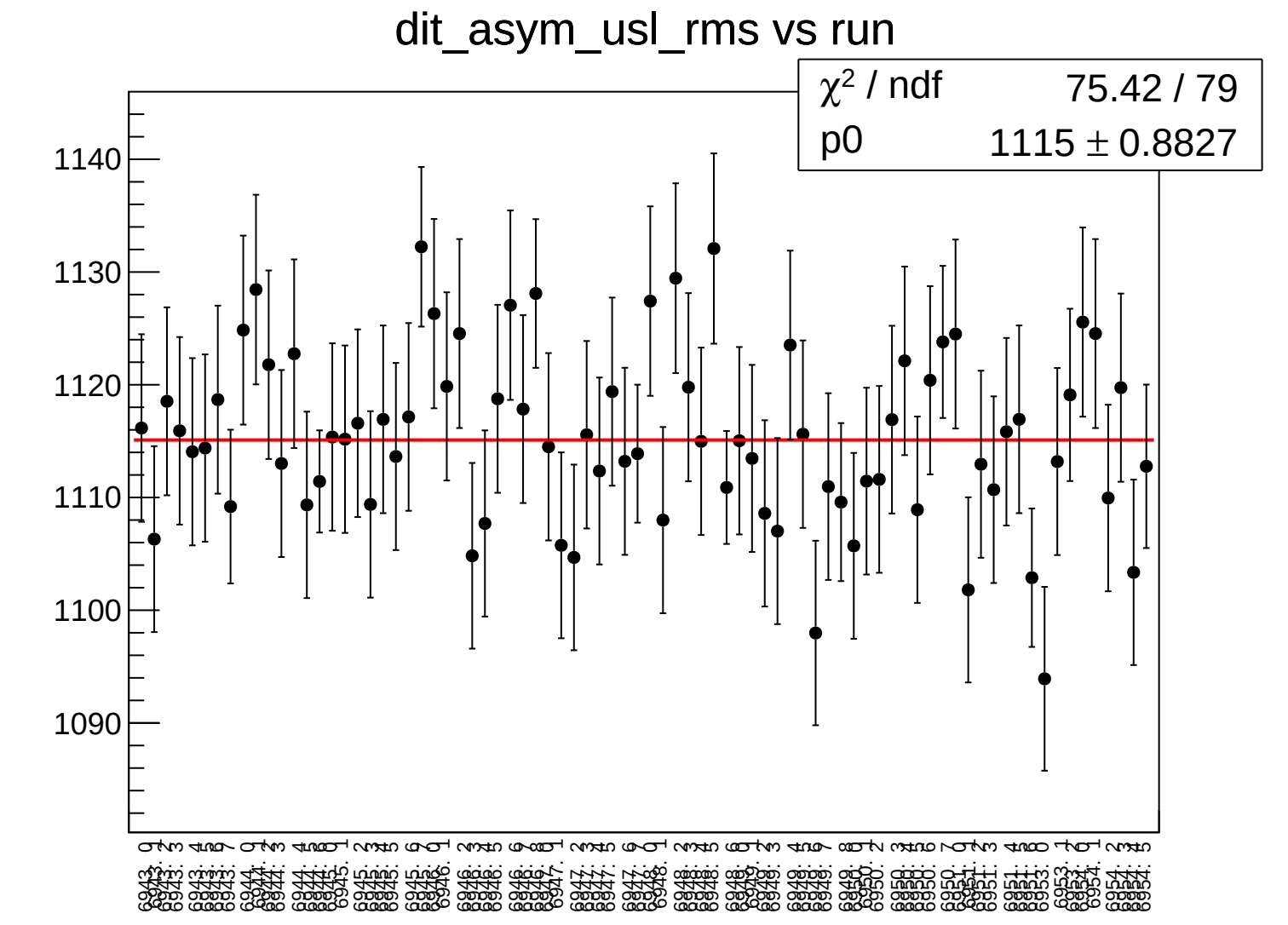

asym_us_dd_mean vs run
χ² / ndf 87.78 / 79
p0 2421 ± 1180
pull
Entries 80
Mean 317.1
Std Dev 270.4

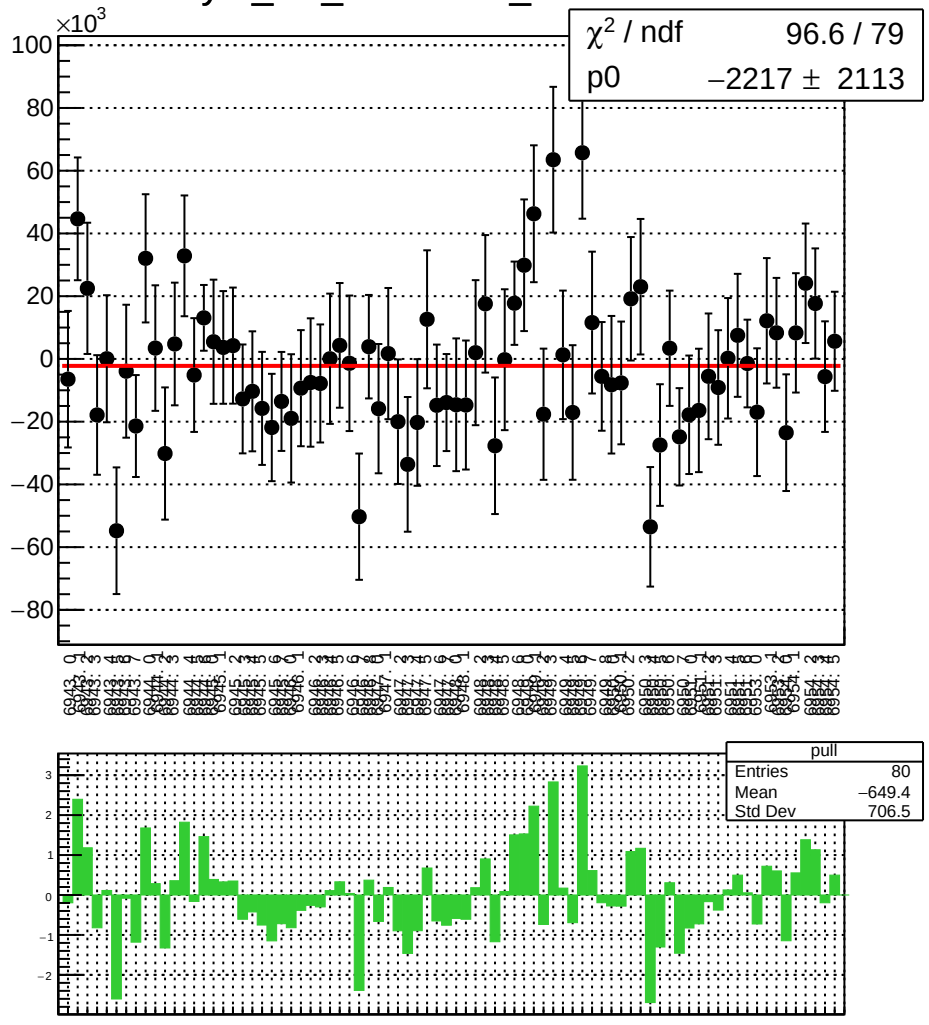

pull1D
Entries 80
Mean 0.003994
Std Dev 1.047

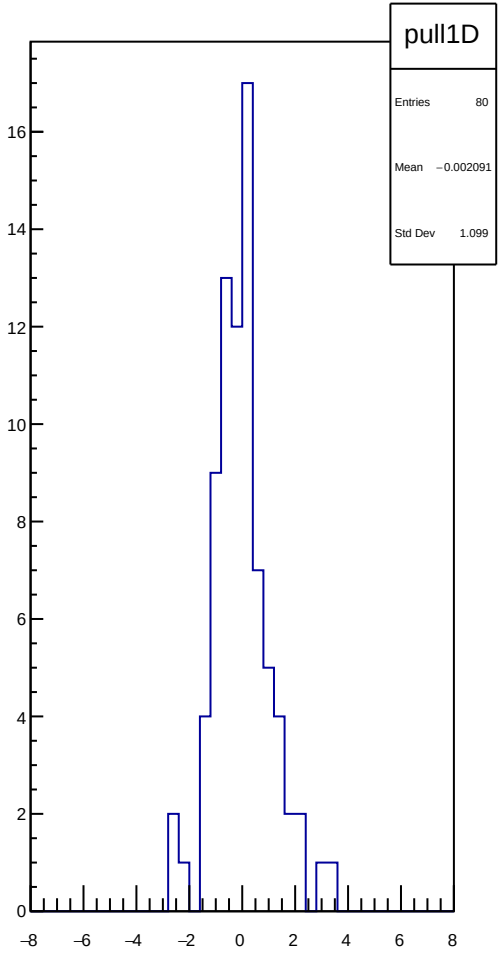

asym_us_dd_rms vs run
χ² / ndf 3404 / 79
p0 1053 ± 0.8341
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
960

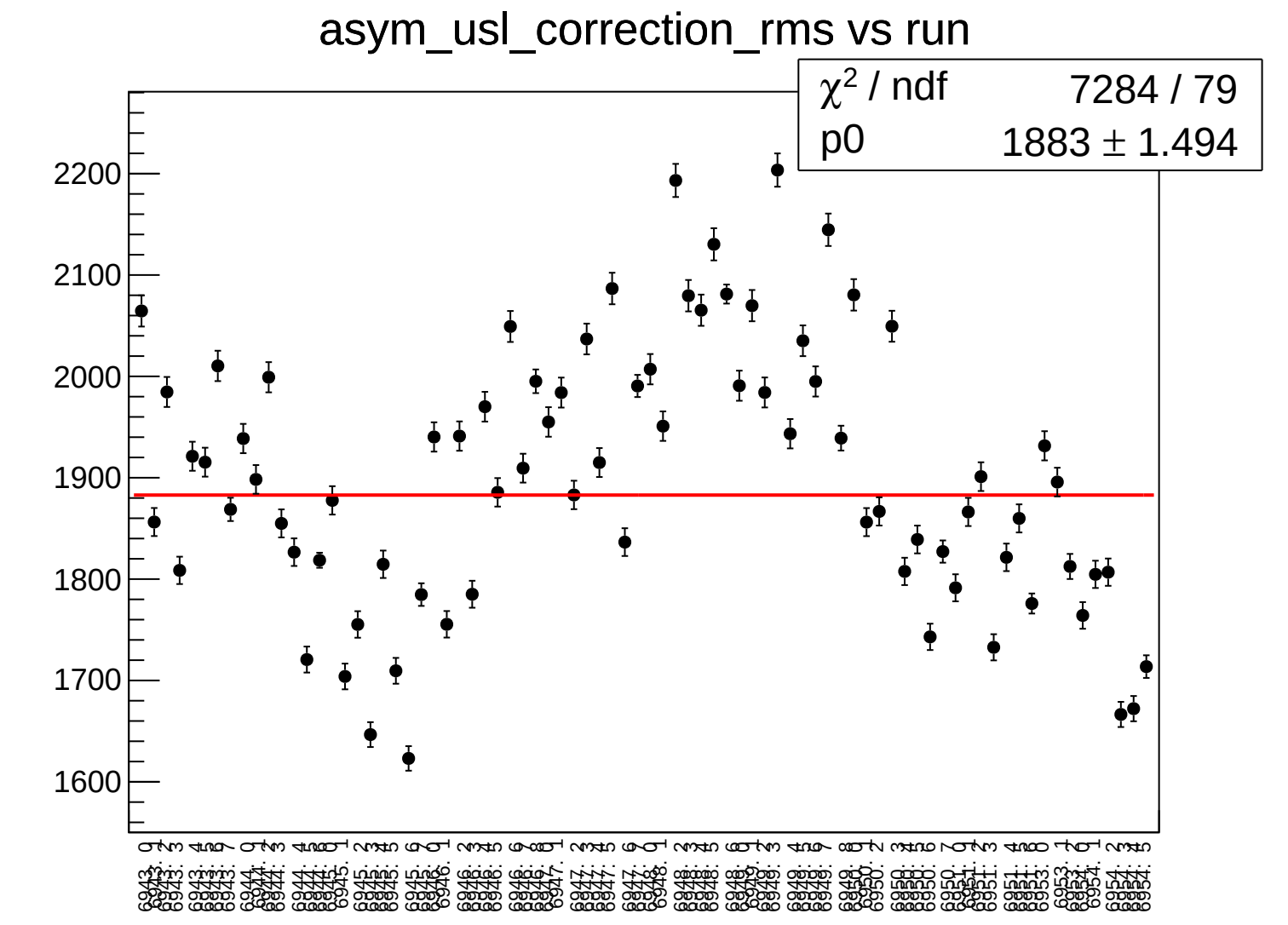

dit_asym_usl_mean vs run
χ² / ndf 96.26 / 79
p0 3205 ± 1248
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −783.1
Std Dev 826.2
2
1
0
−1
−2

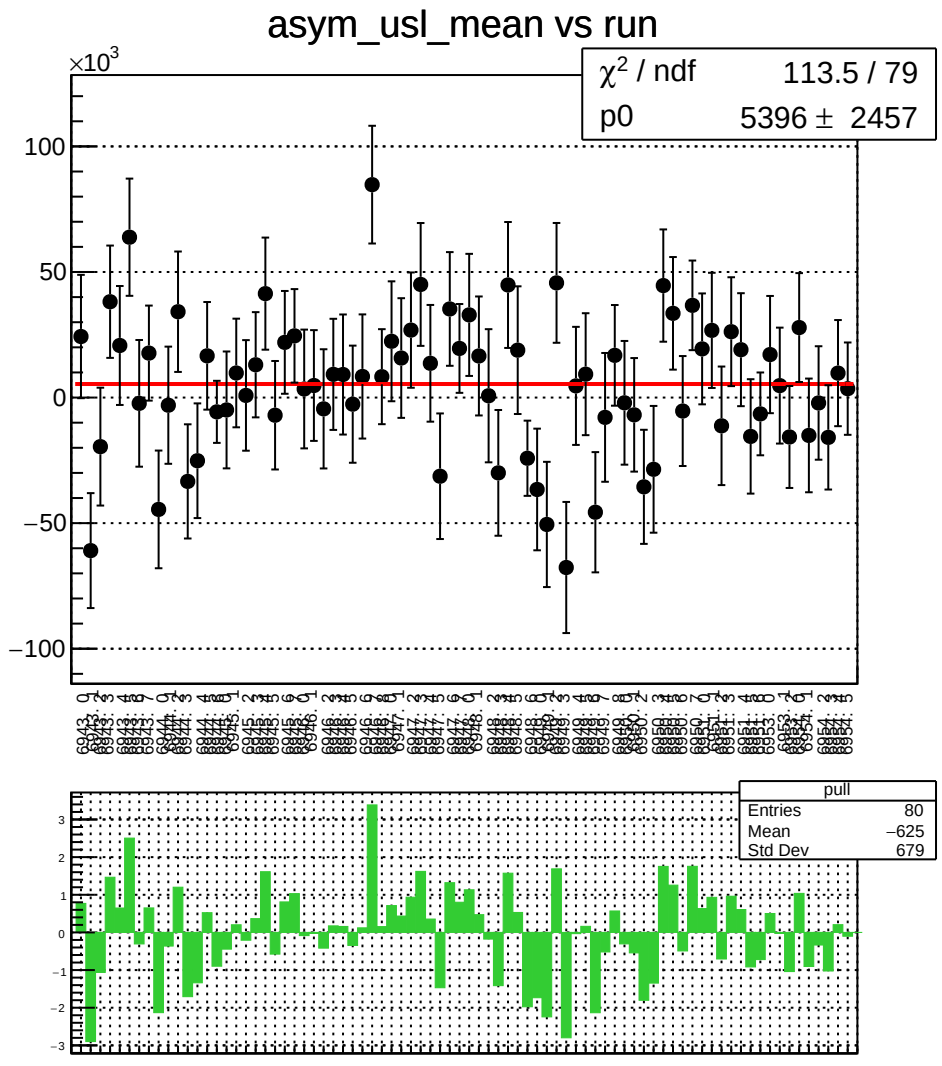

pull1D
Entries 80
Mean 0.0007543
Std Dev 1.097
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

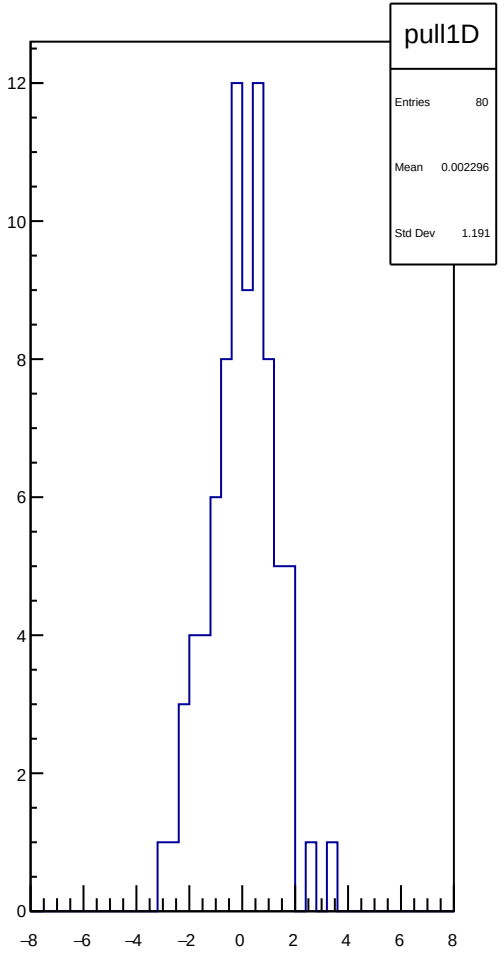

dit_asym_usl_rms vs run
χ^2 / ndf 75.42 / 79
p0 1115 ± 0.8827
1140
1130
1120
1110
1100
1090

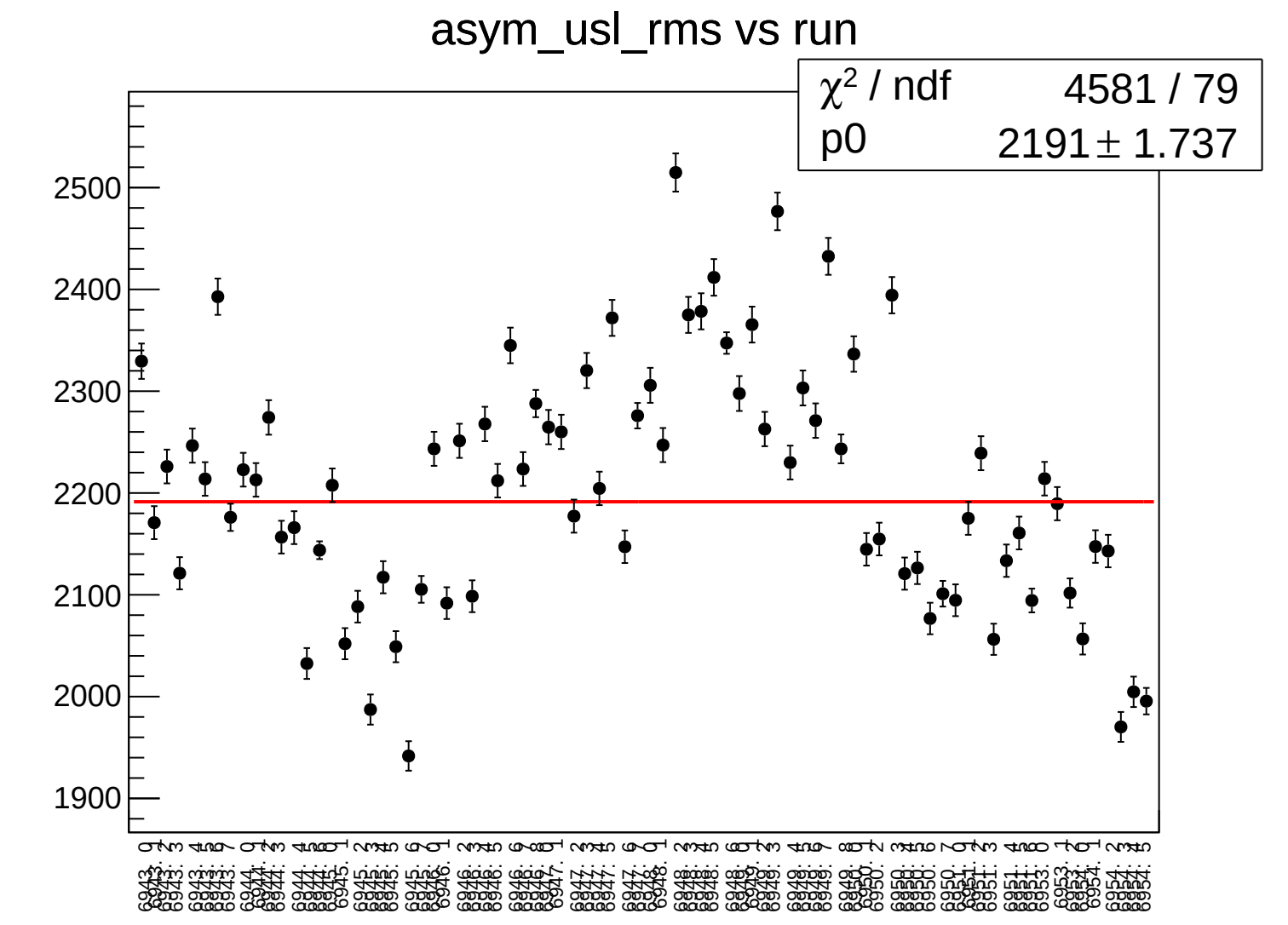

asym_usl_correction_mean vs run
×10^3
χ² / ndf 96.6 / 79
p0 −2217 ± 2113
pull
Entries 80
Mean −649.4
Std Dev 706.5

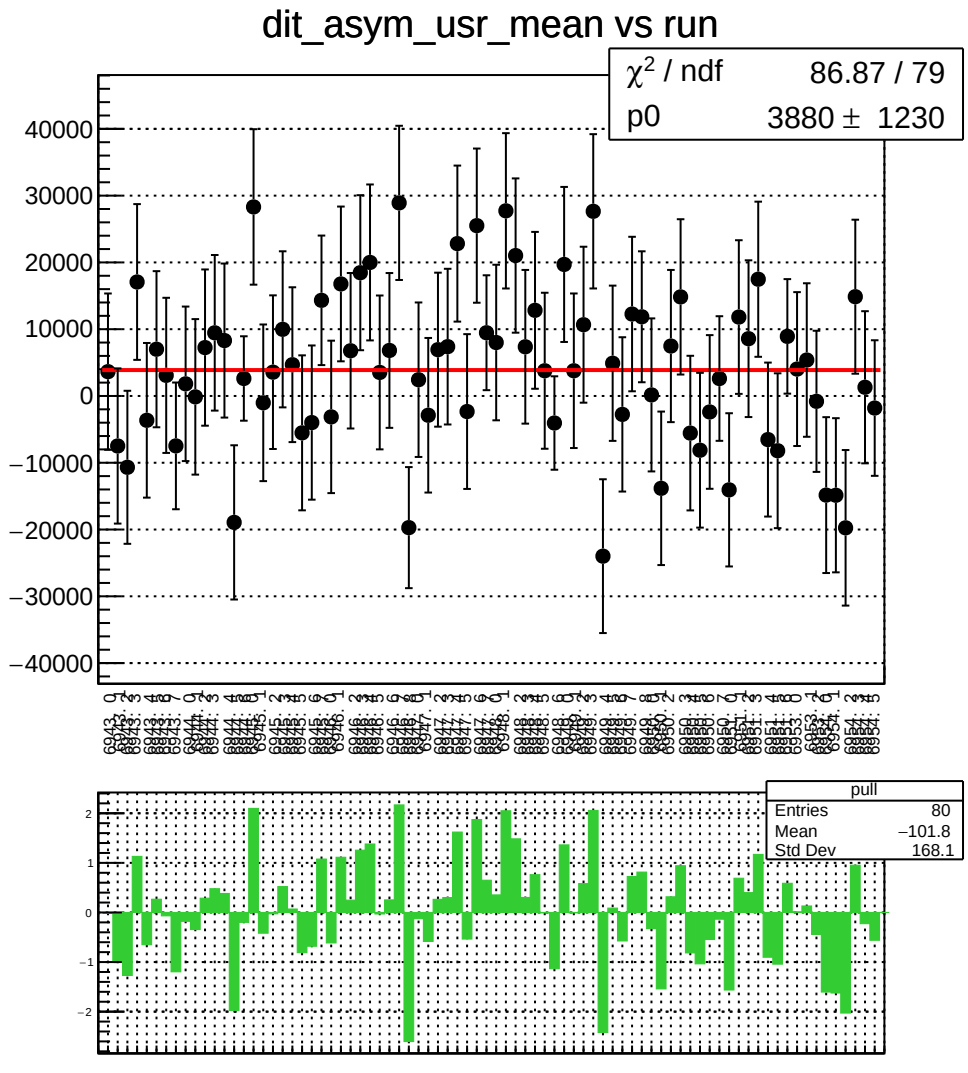

pull1D
Entries 80
Mean −0.002091
Std Dev 1.099

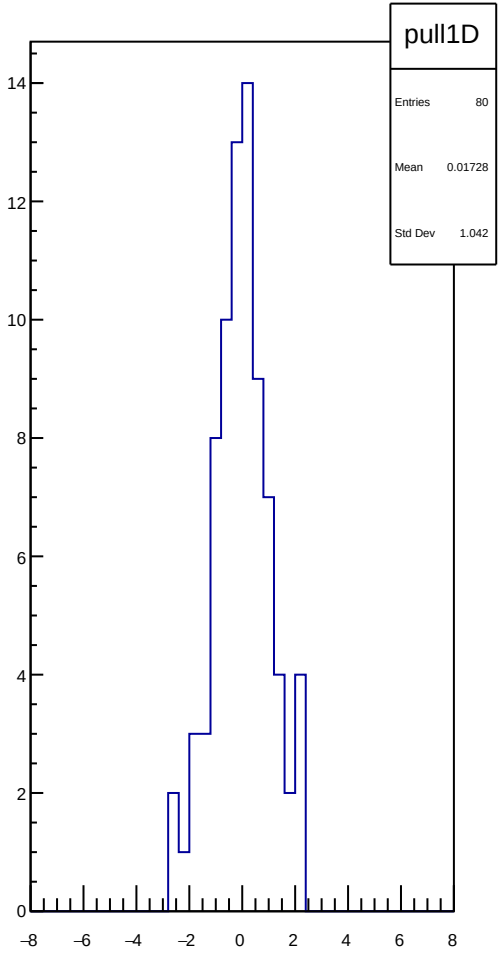

asym_usl_correction_rms vs run
χ² / ndf 7284 / 79
p0 1883 ± 1.494
2200
2100
2000
1900
1800
1700
1600

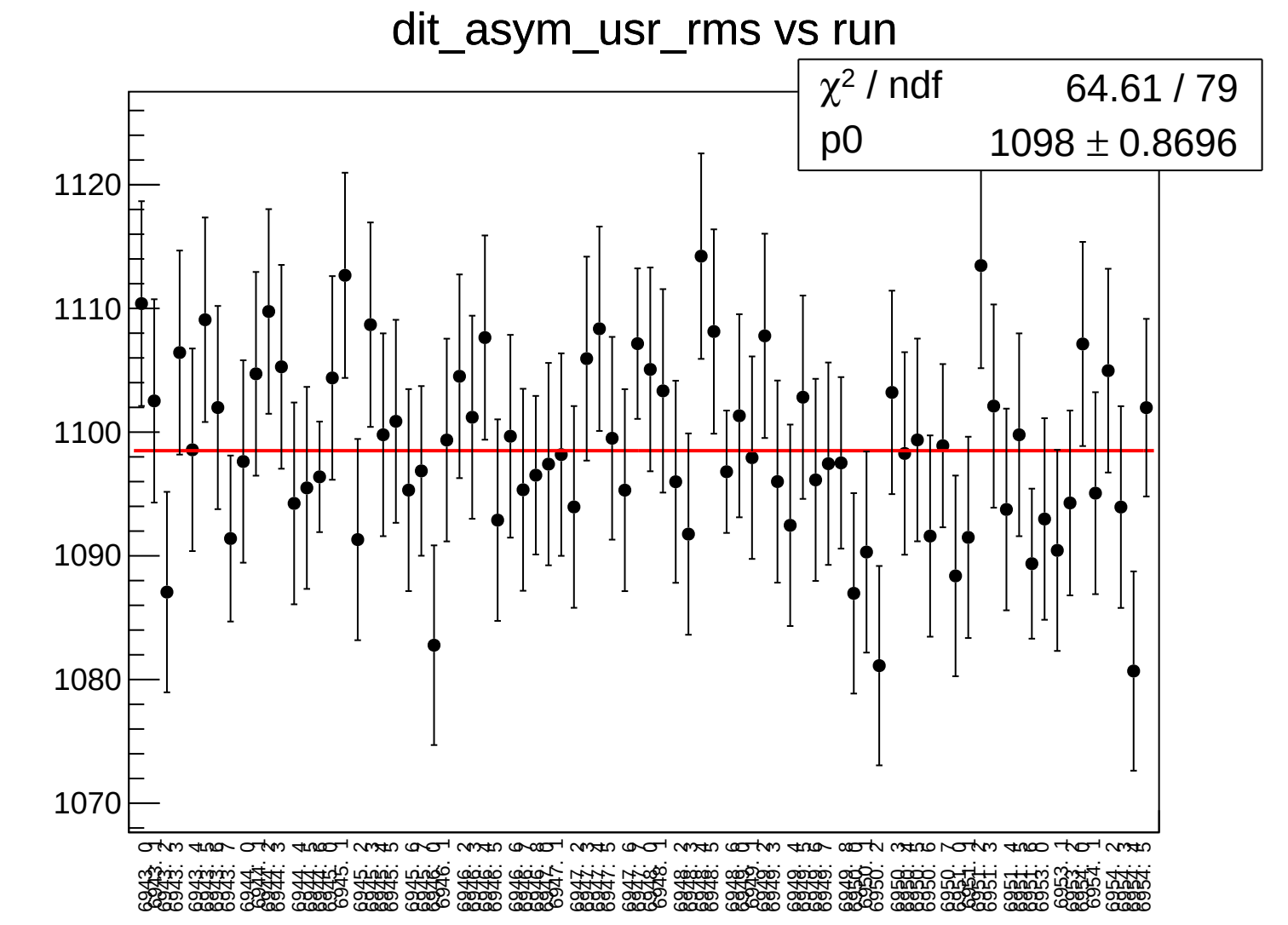

asym_usl_mean vs run
×10^3
χ² / ndf 113.5 / 79
p0 5396 ± 2457
100
50
0
−50
−100
pull
Entries 80
Mean −625
Std Dev 679
3
2
1
0
−1
−2
−3

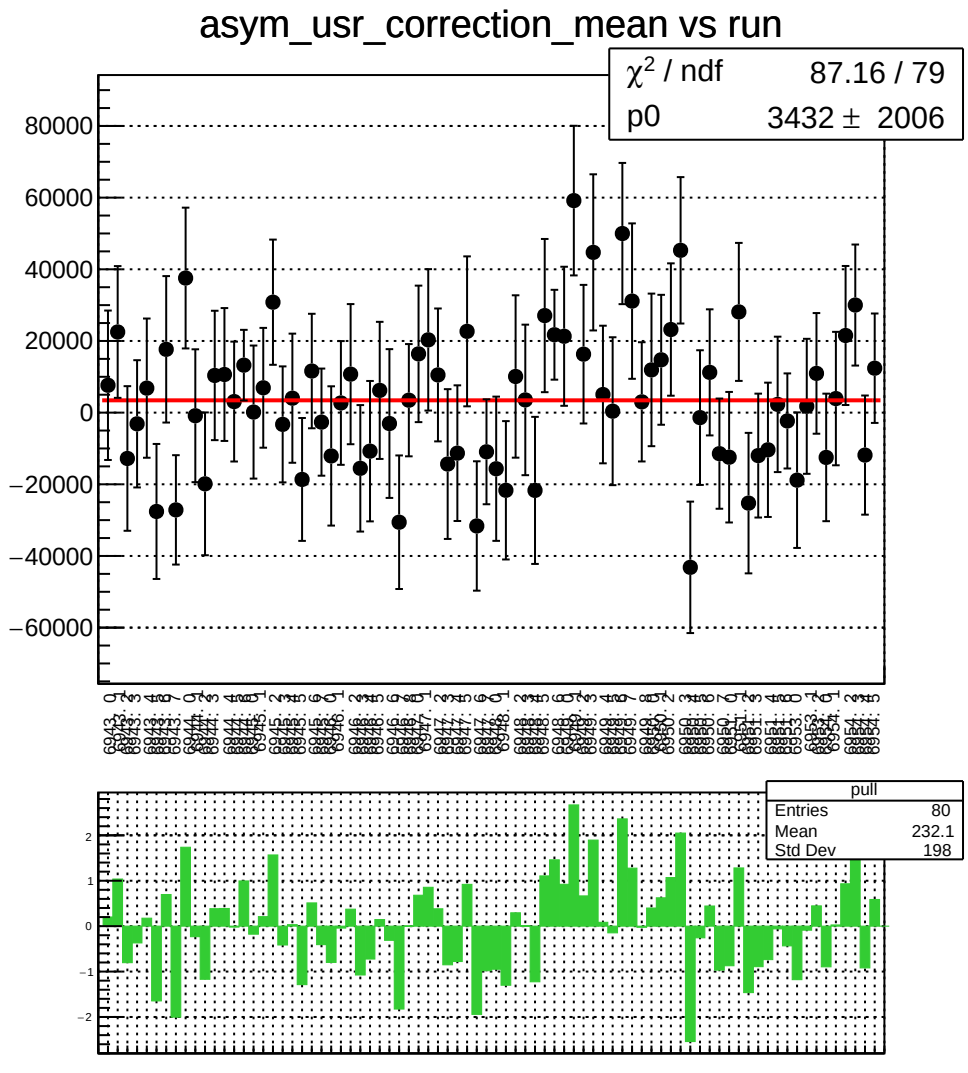

pull1D
Entries 80
Mean 0.002296
Std Dev 1.191
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

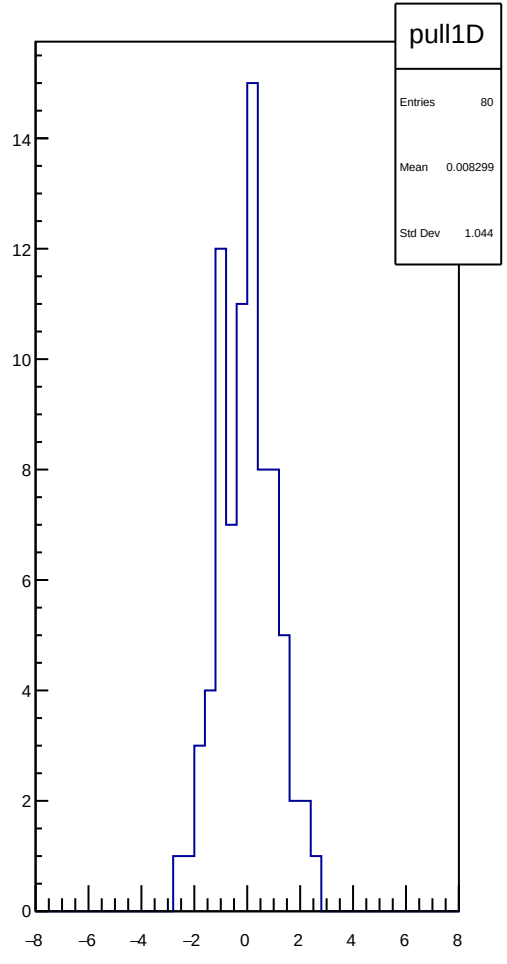

asym_usl_rms vs run
χ² / ndf 4581 / 79
p0 2191 ± 1.737
2500
2400
2300
2200
2100
2000
1900

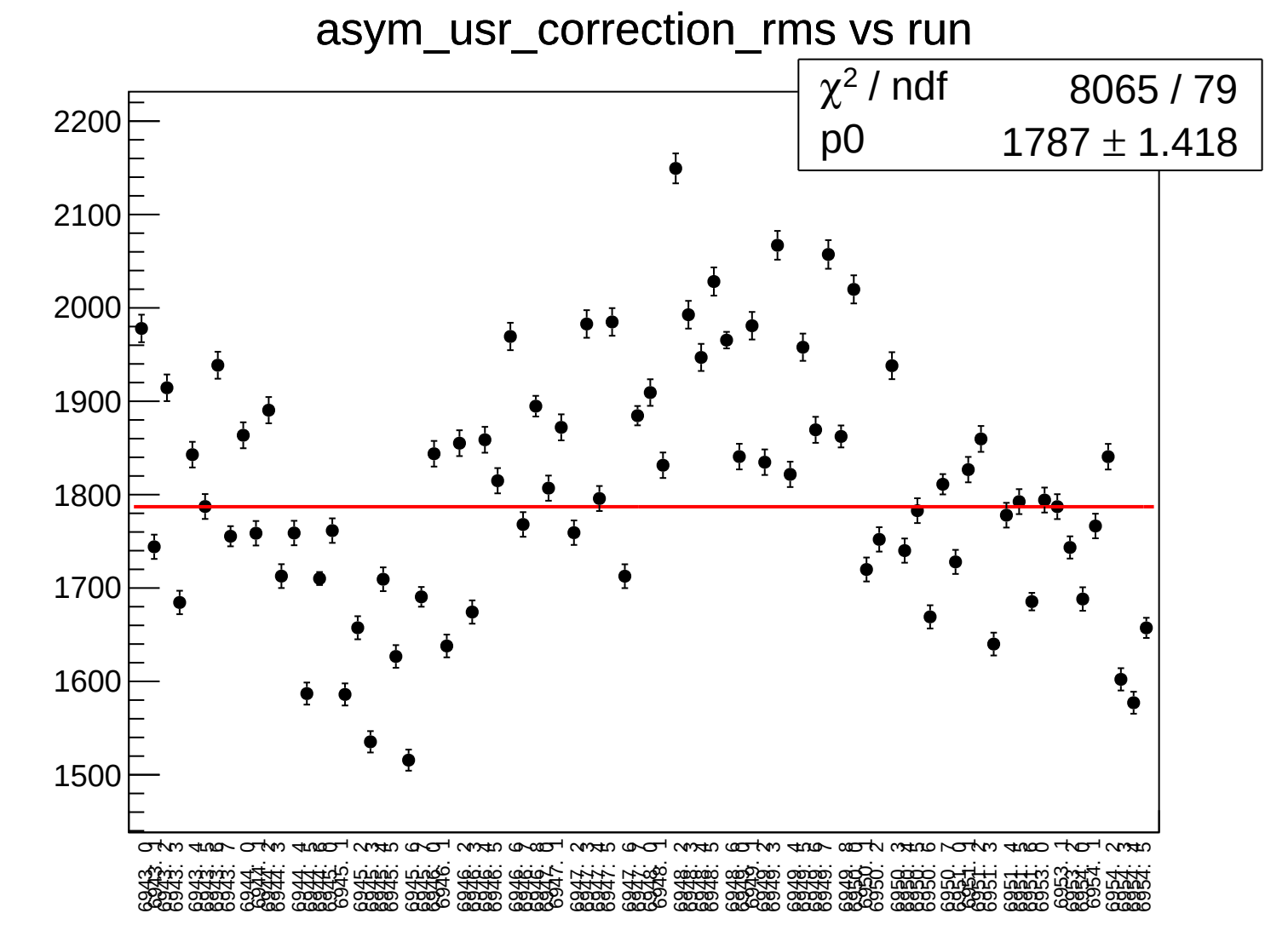

dit_asym_usr_mean vs run
χ² / ndf 86.87 / 79
p0 3880 ± 1230
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −101.8
Std Dev 168.1
2
1
0
−1
−2

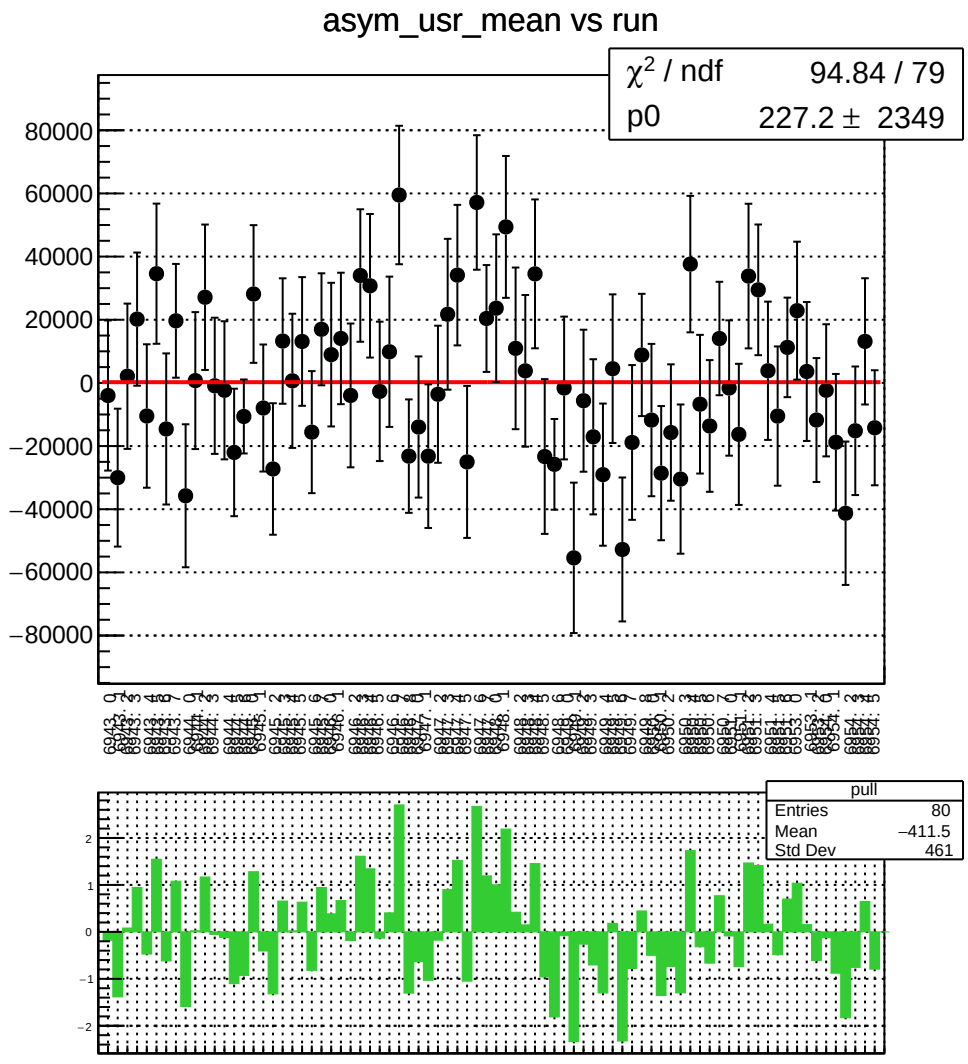

pull1D
Entries 80
Mean 0.01728
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

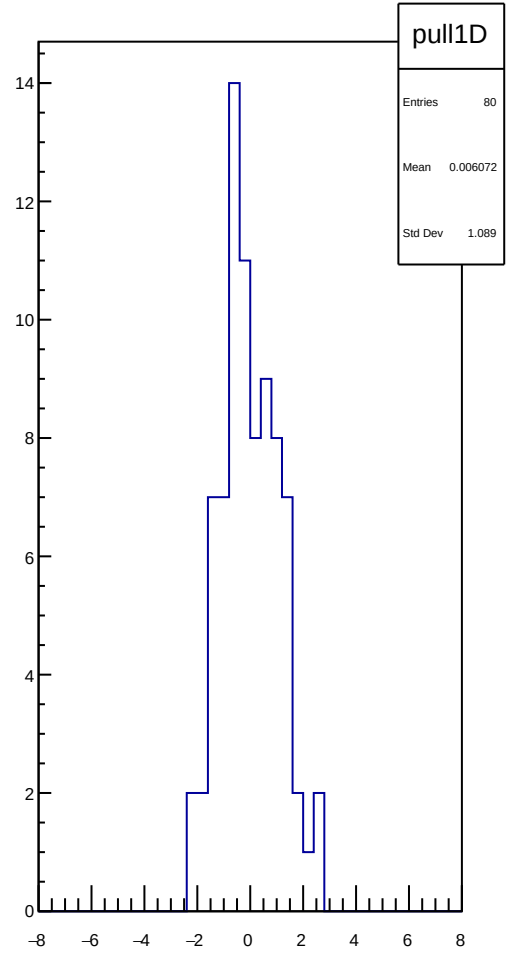

dit_asym_usr_rms vs run
χ² / ndf 64.61 / 79
p0 1098 ± 0.8696
1120
1110
1100
1090
1080
1070

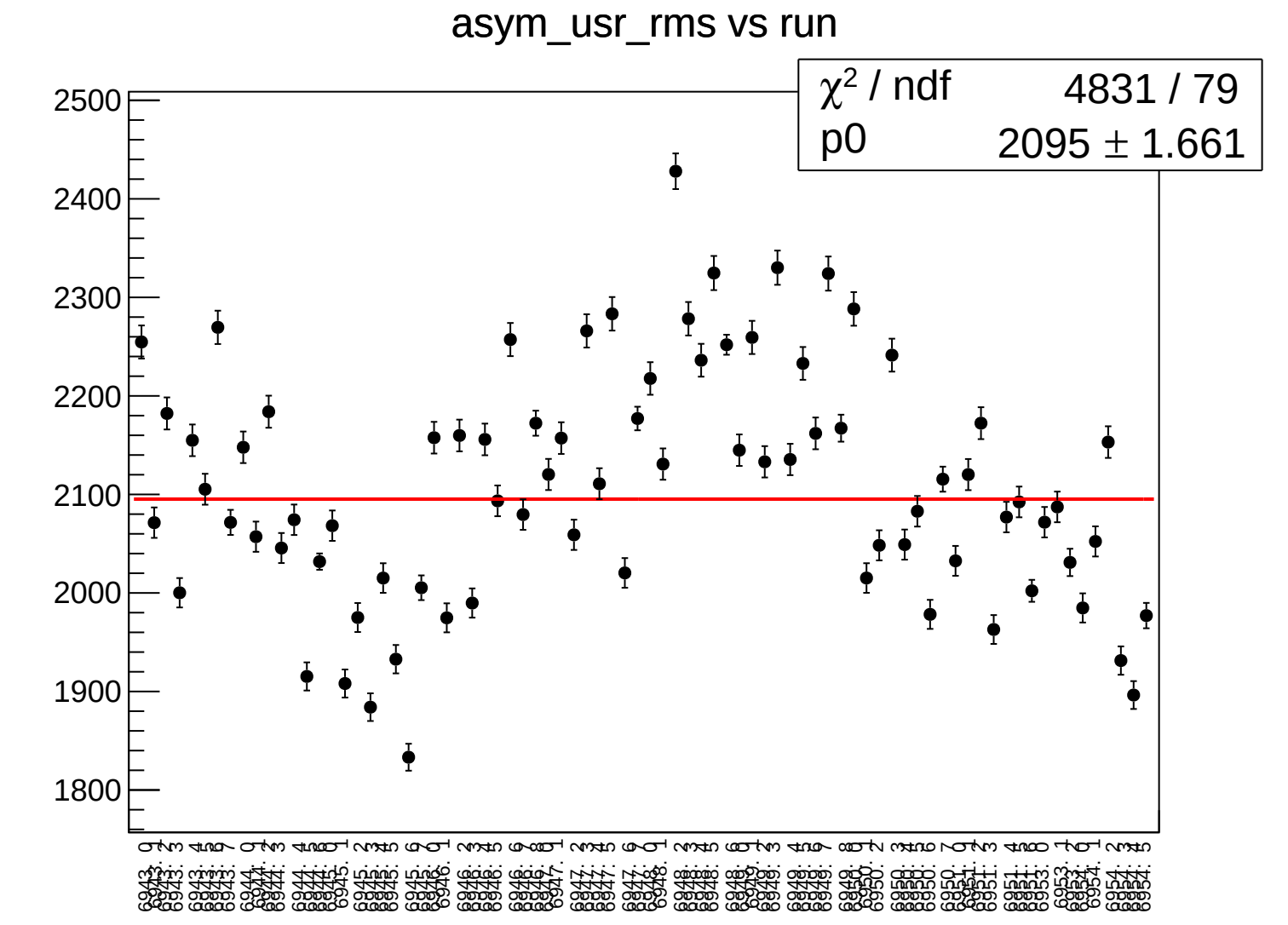

asym_usr_correction_mean vs run
χ² / ndf 87.16 / 79
p0 3432 ± 2006
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 232.1
Std Dev 198
2
1
0
−1
−2

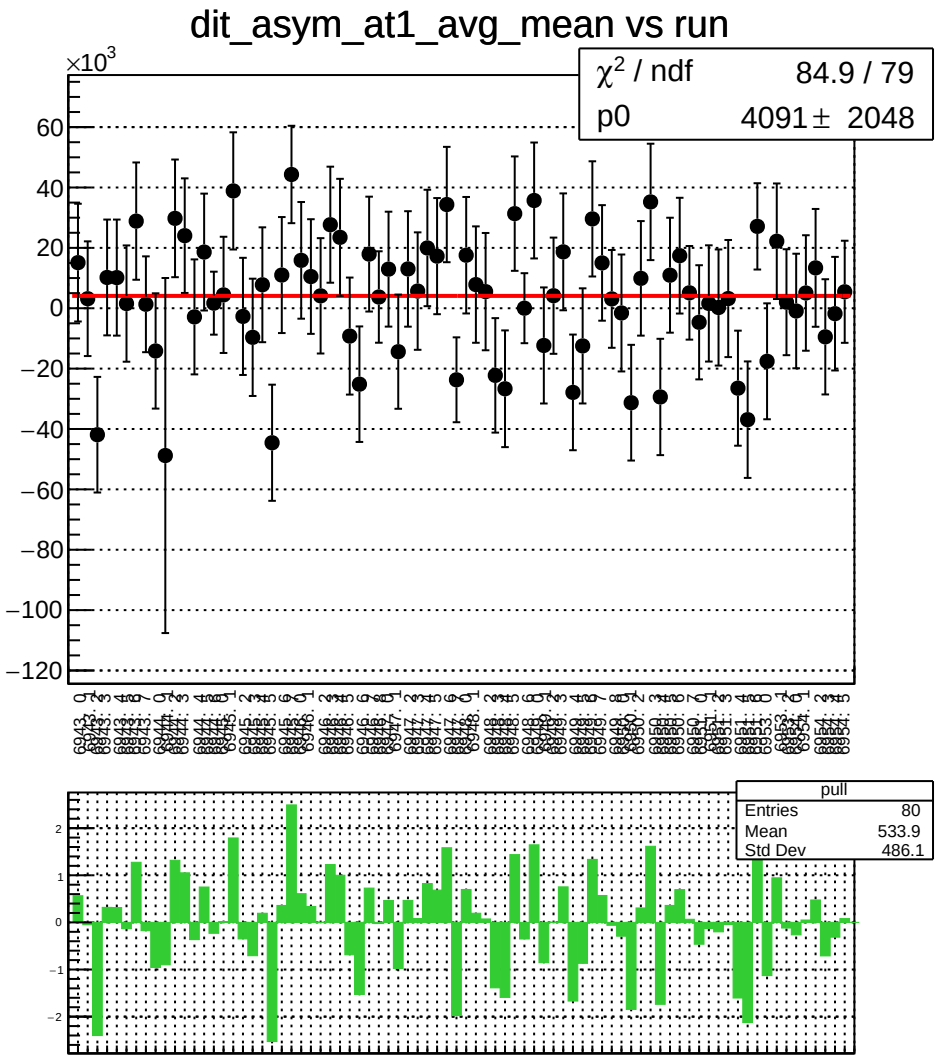

pull1D
Entries 80
Mean 0.008299
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

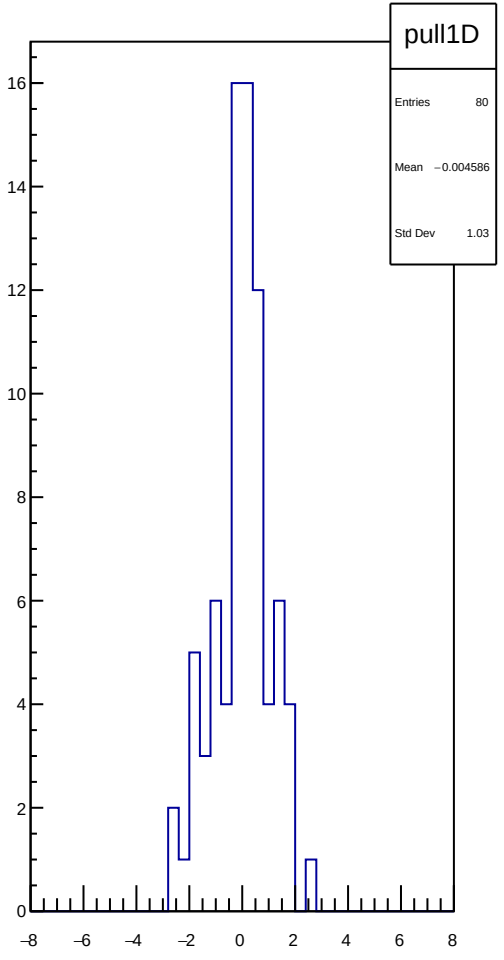

asym_usr_correction_rms vs run
χ² / ndf 8065 / 79
p0 1787 ± 1.418
2200
2100
2000
1900
1800
1700
1600
1500

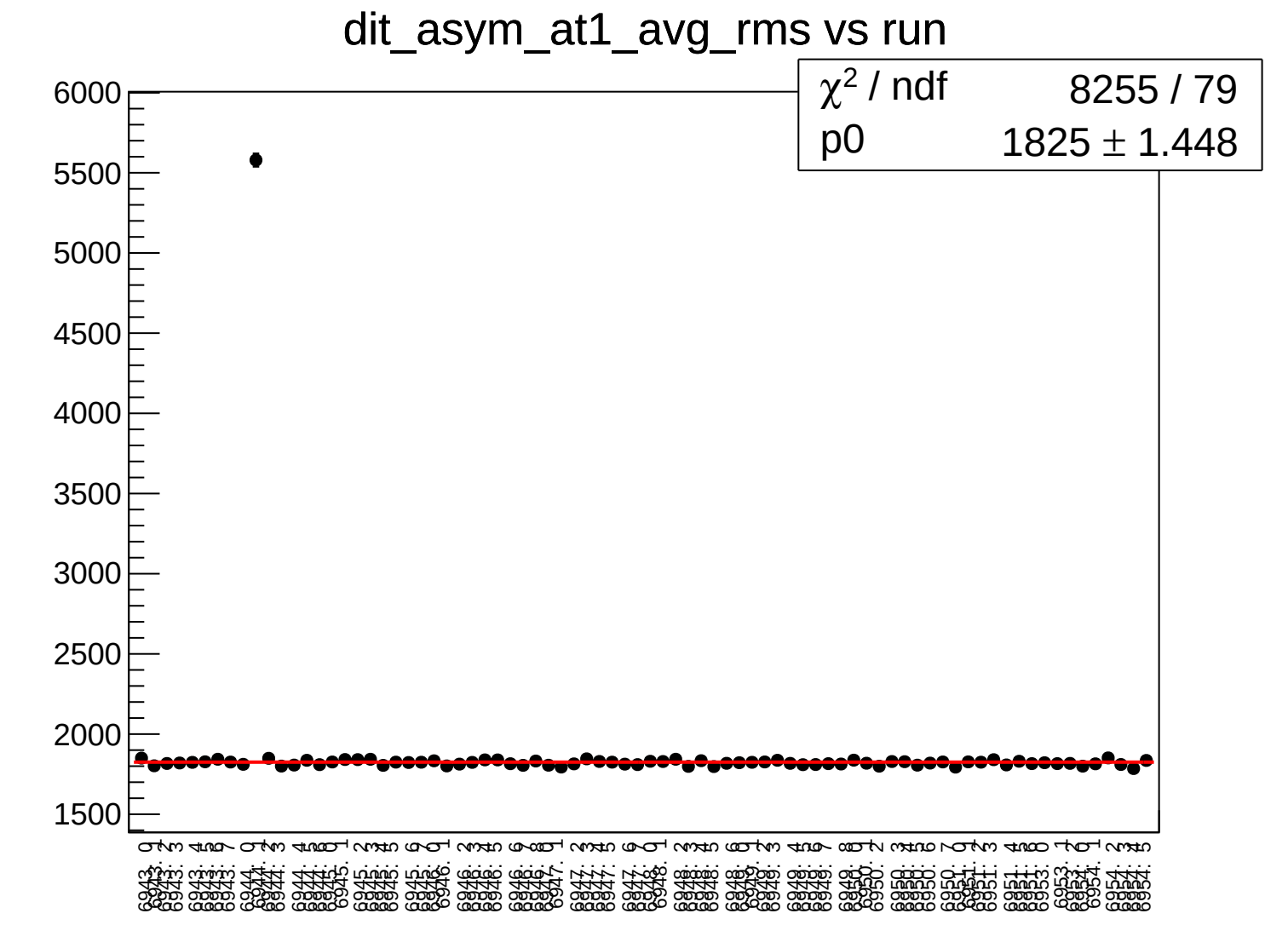

asym_usr_mean vs run
χ² / ndf 94.84 / 79
p0 227.2 ± 2349
pull
Entries 80
Mean −411.5
Std Dev 461

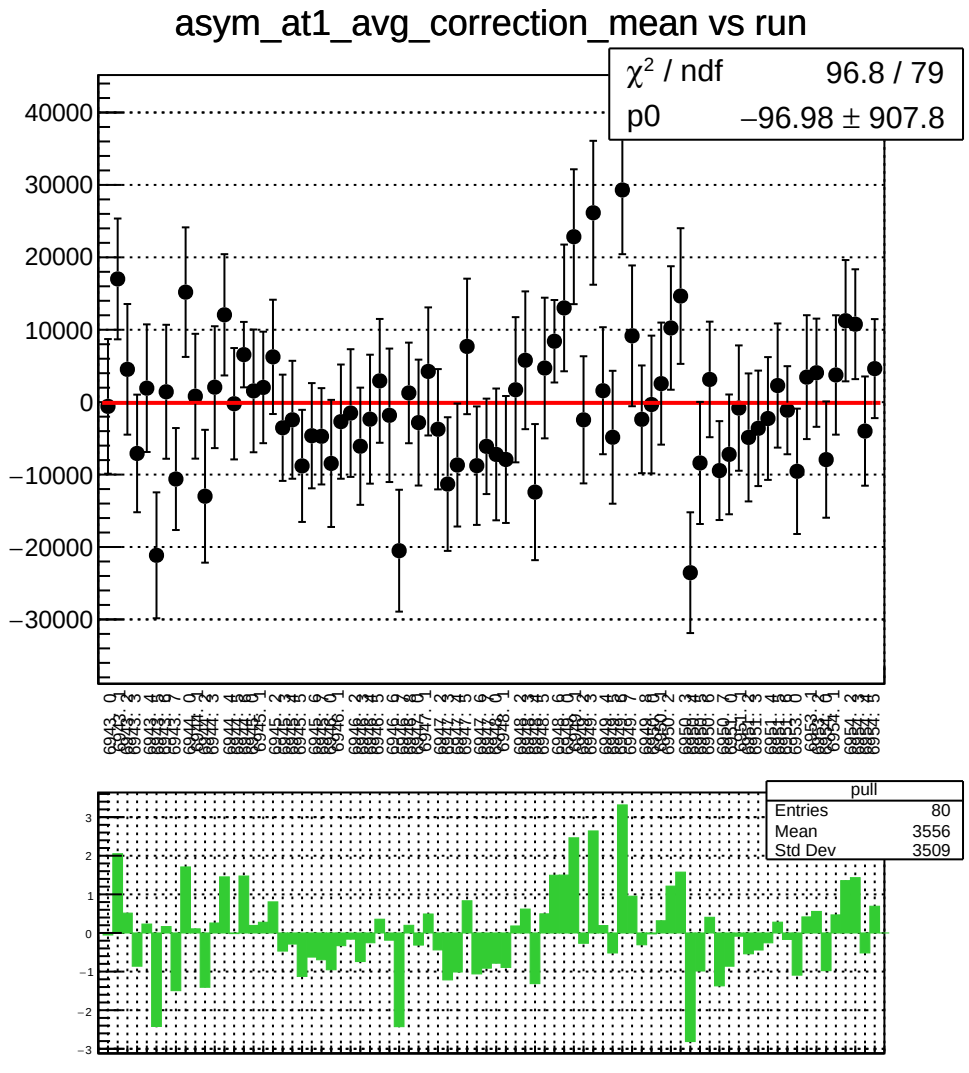

pull1D
Entries 80
Mean 0.006072
Std Dev 1.089

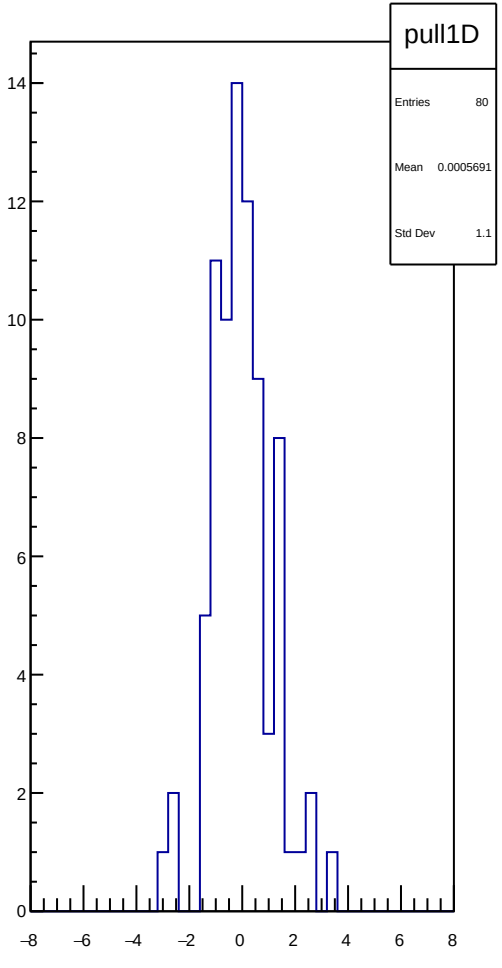

asym_usr_rms vs run
χ² / ndf 4831 / 79
p0 2095 ± 1.661
2500
2400
2300
2200
2100
2000
1900
1800

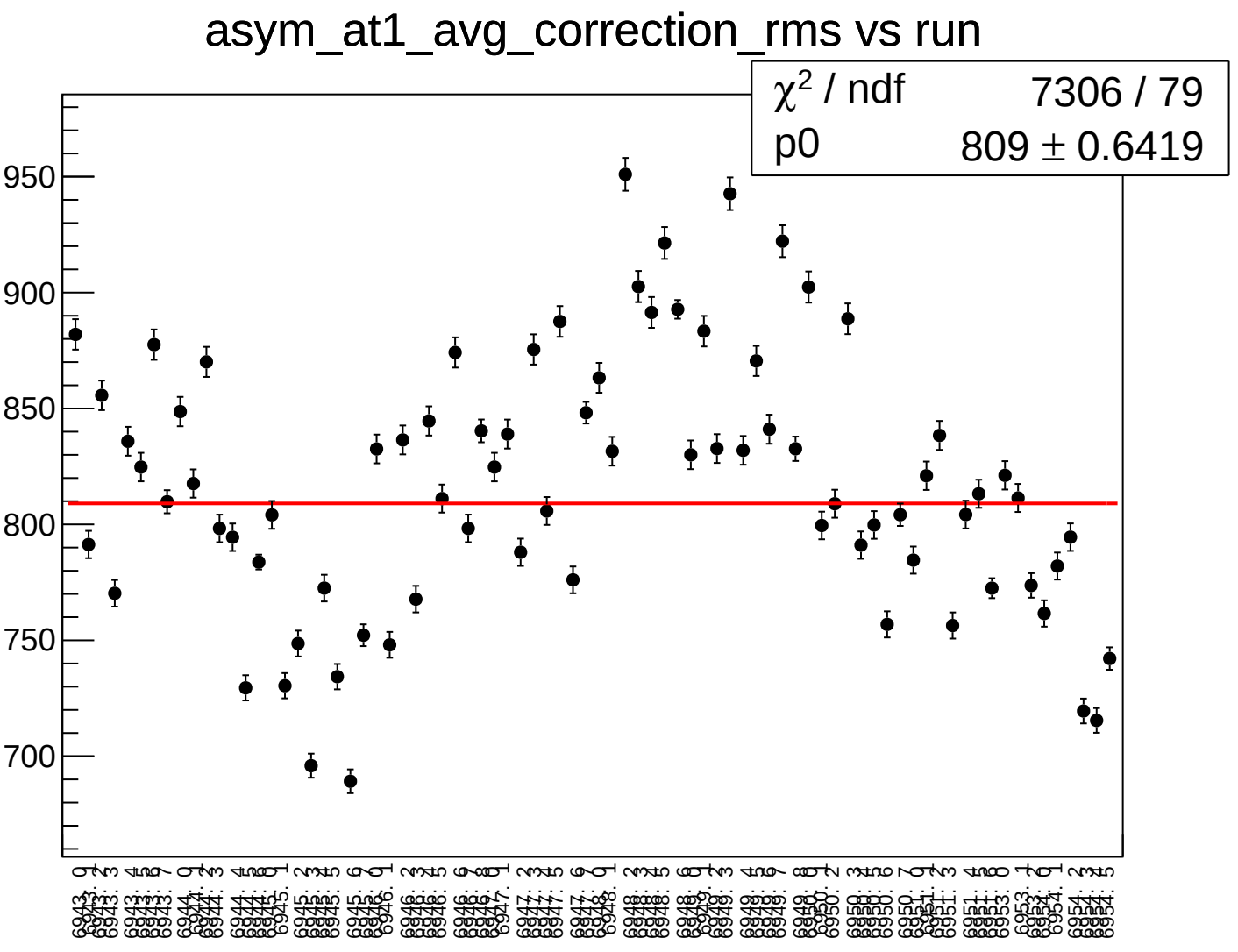

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 84.9 / 79
p0 4091 ± 2048
pull
Entries 80
Mean 533.9
Std Dev 486.1

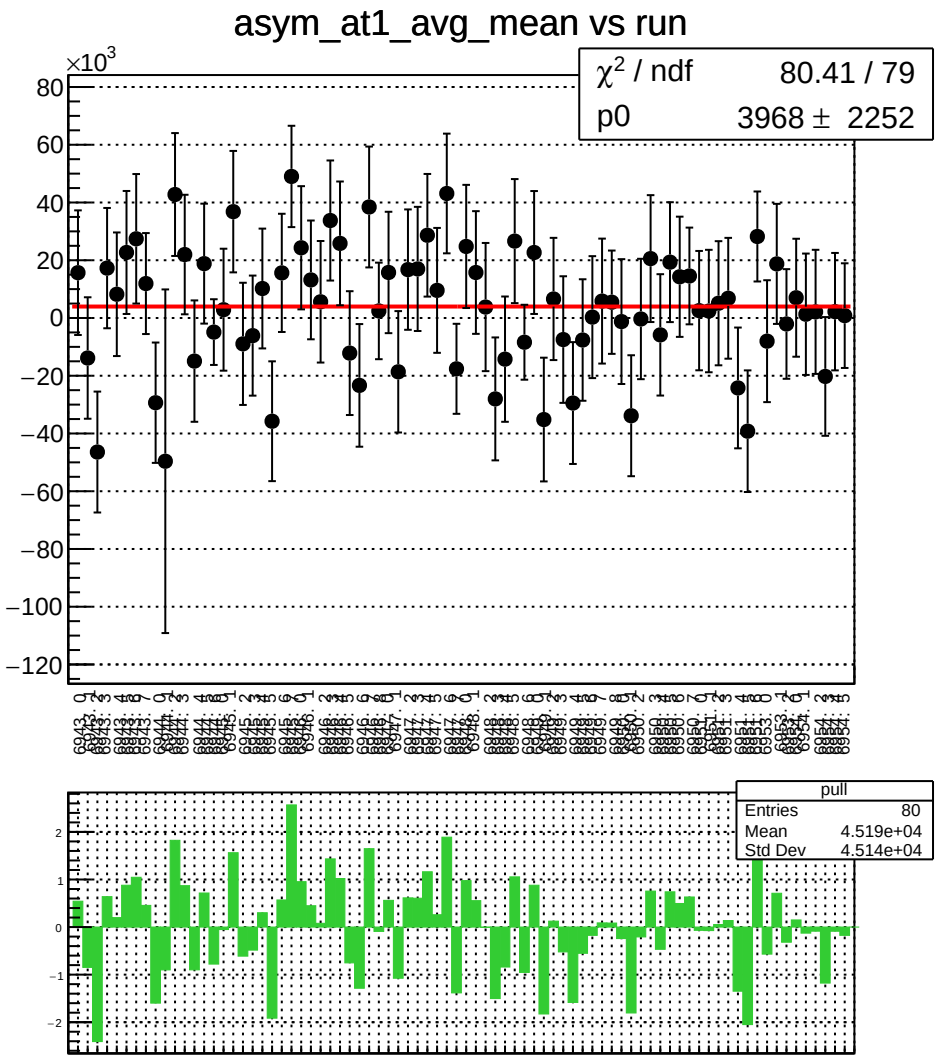

pull1D
Entries 80
Mean −0.004586
Std Dev 1.03

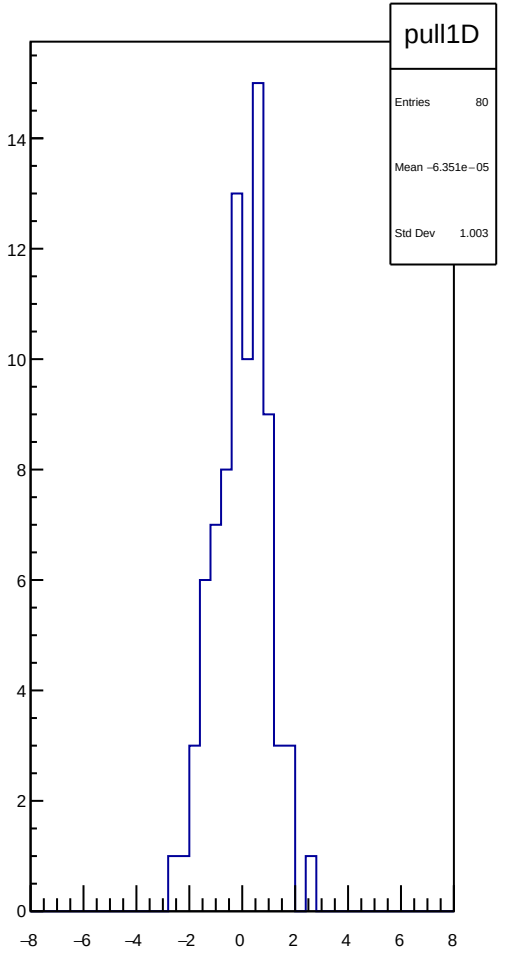

dit_asym_at1_avg_rms vs run
χ^2 / ndf 8255 / 79
p0 1825 ± 1.448
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

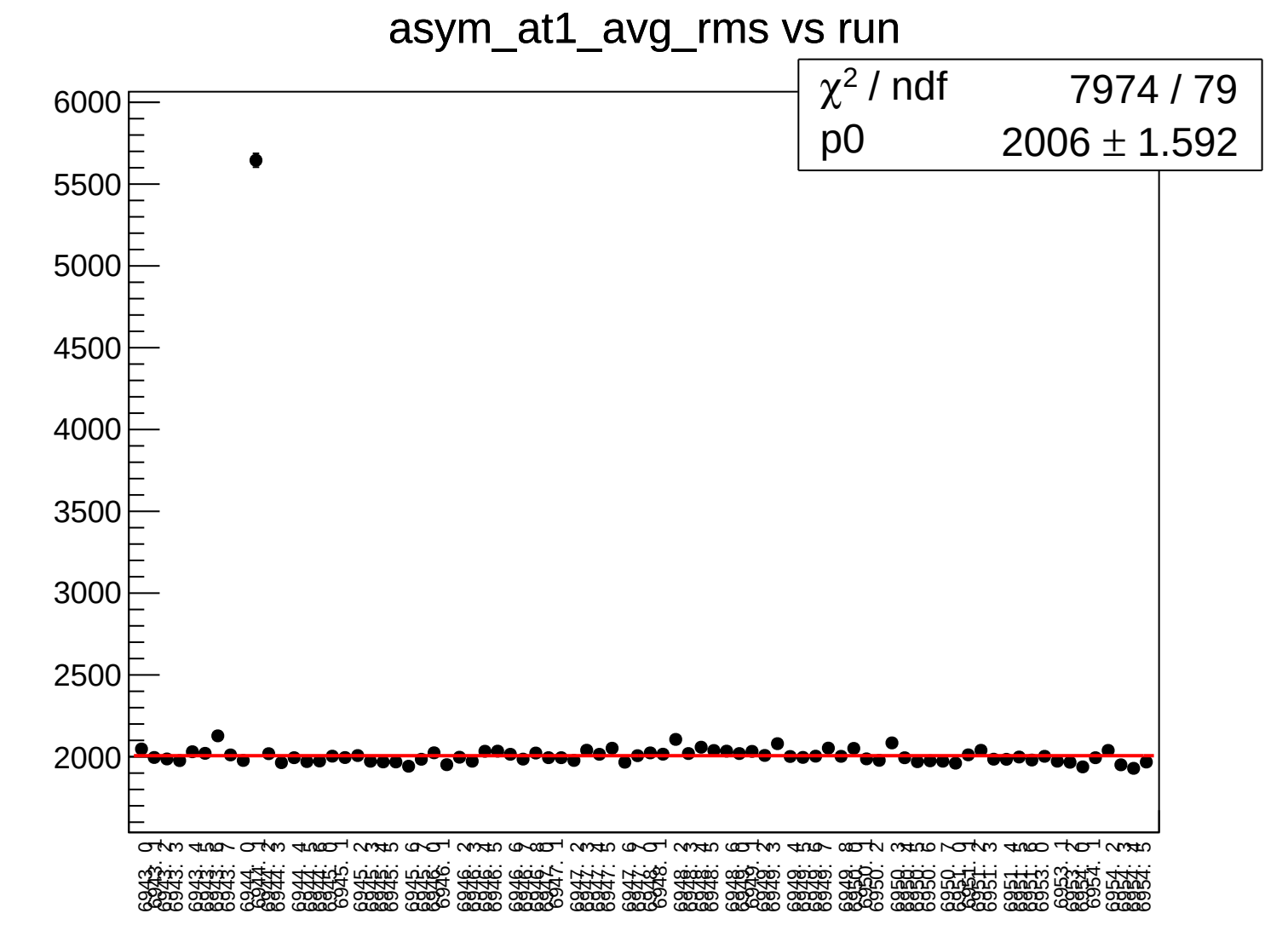

asym_at1_avg_correction_mean vs run
χ² / ndf 96.8 / 79
p0 −96.98 ± 907.8
pull
Entries 80
Mean 3556
Std Dev 3509

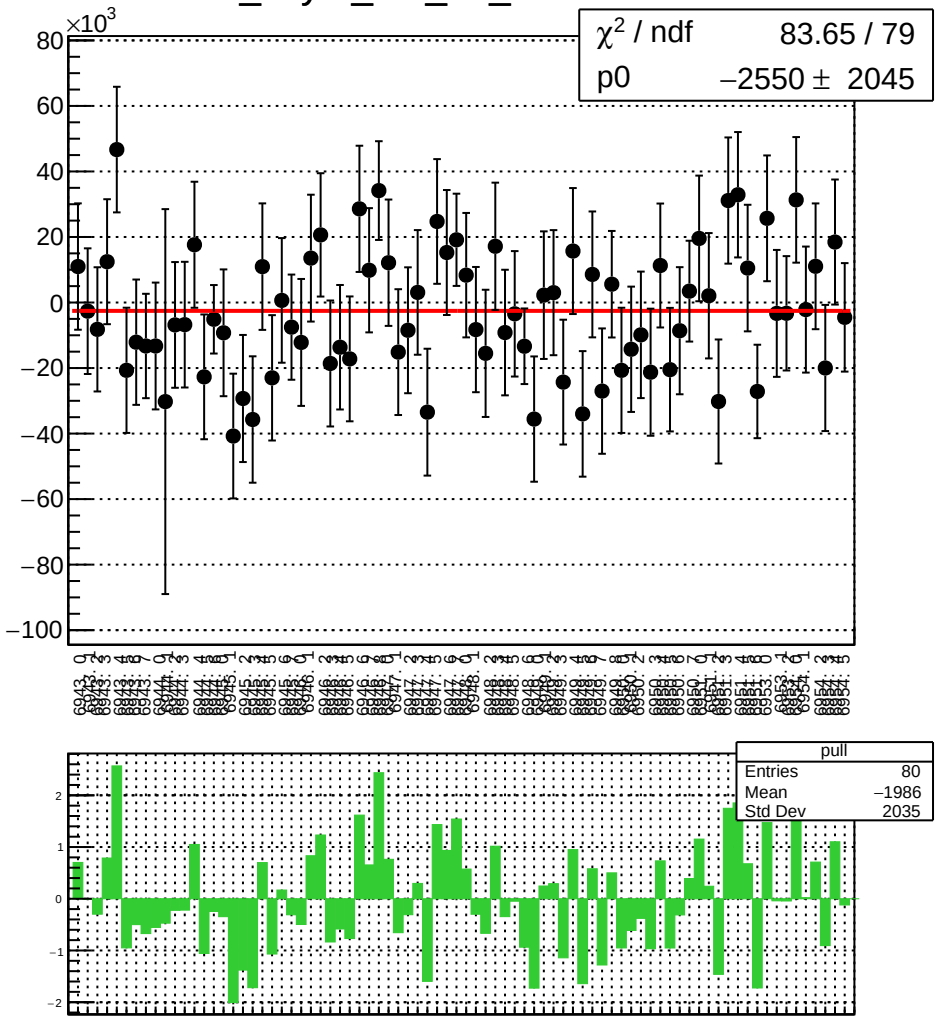

pull1D
Entries 80
Mean 0.0005691
Std Dev 1.1

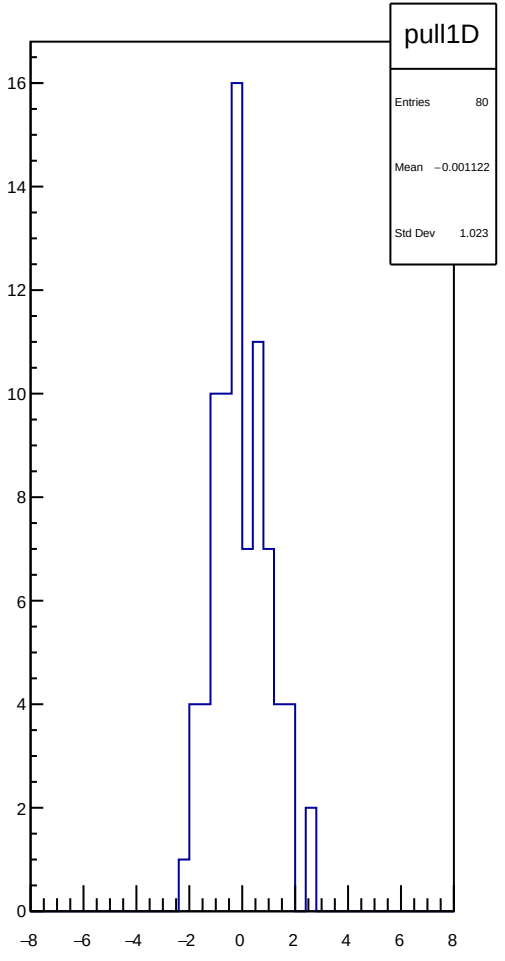

asym_at1_avg_correction_rms vs run
χ² / ndf 7306 / 79
p0 809 ± 0.6419
950
900
850
800
750
700

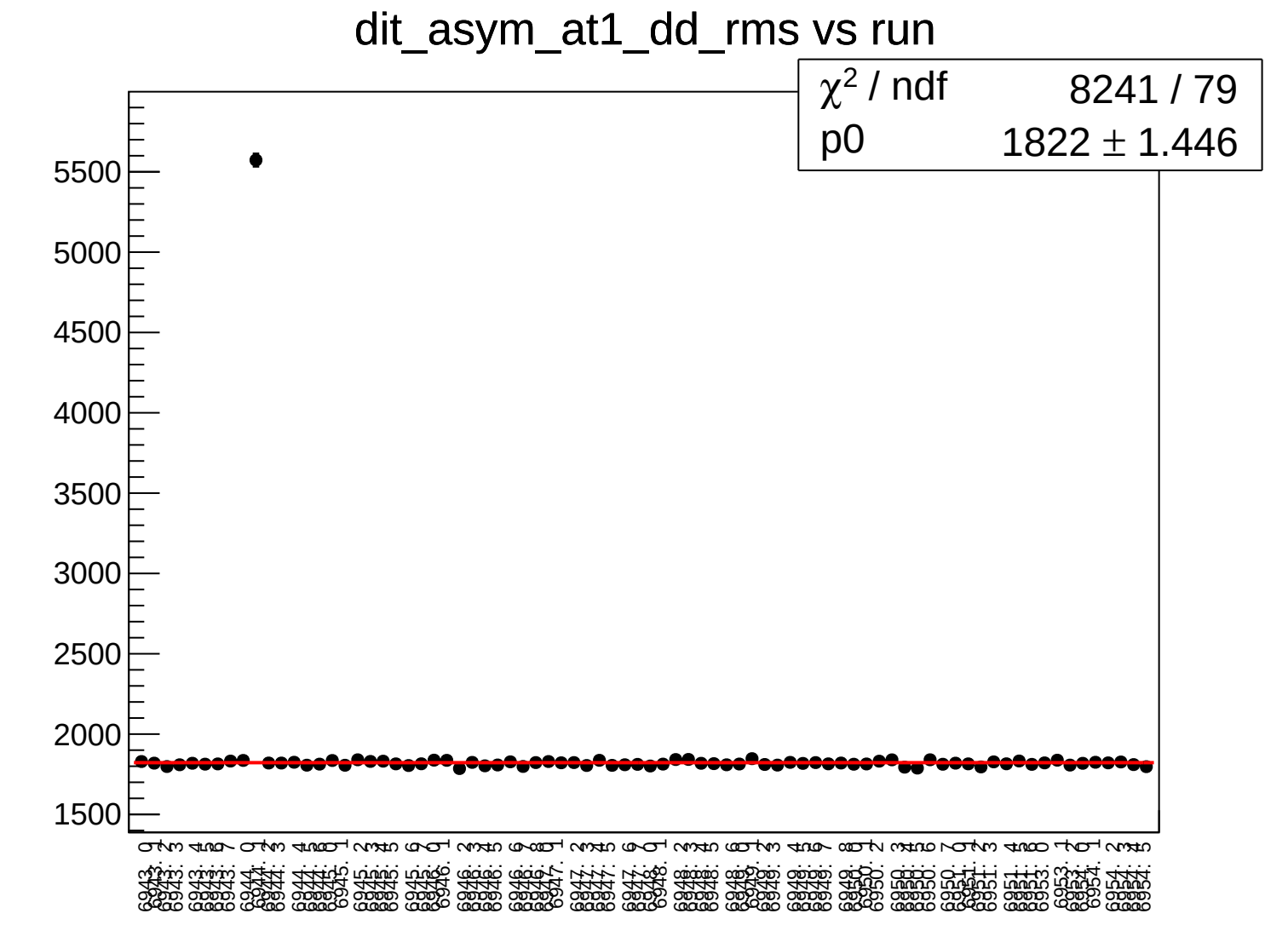

asym_at1_avg_mean vs run
×10^3
χ² / ndf 80.41 / 79
p0 3968 ± 2252
pull
Entries 80
Mean 4.519e+04
Std Dev 4.514e+04

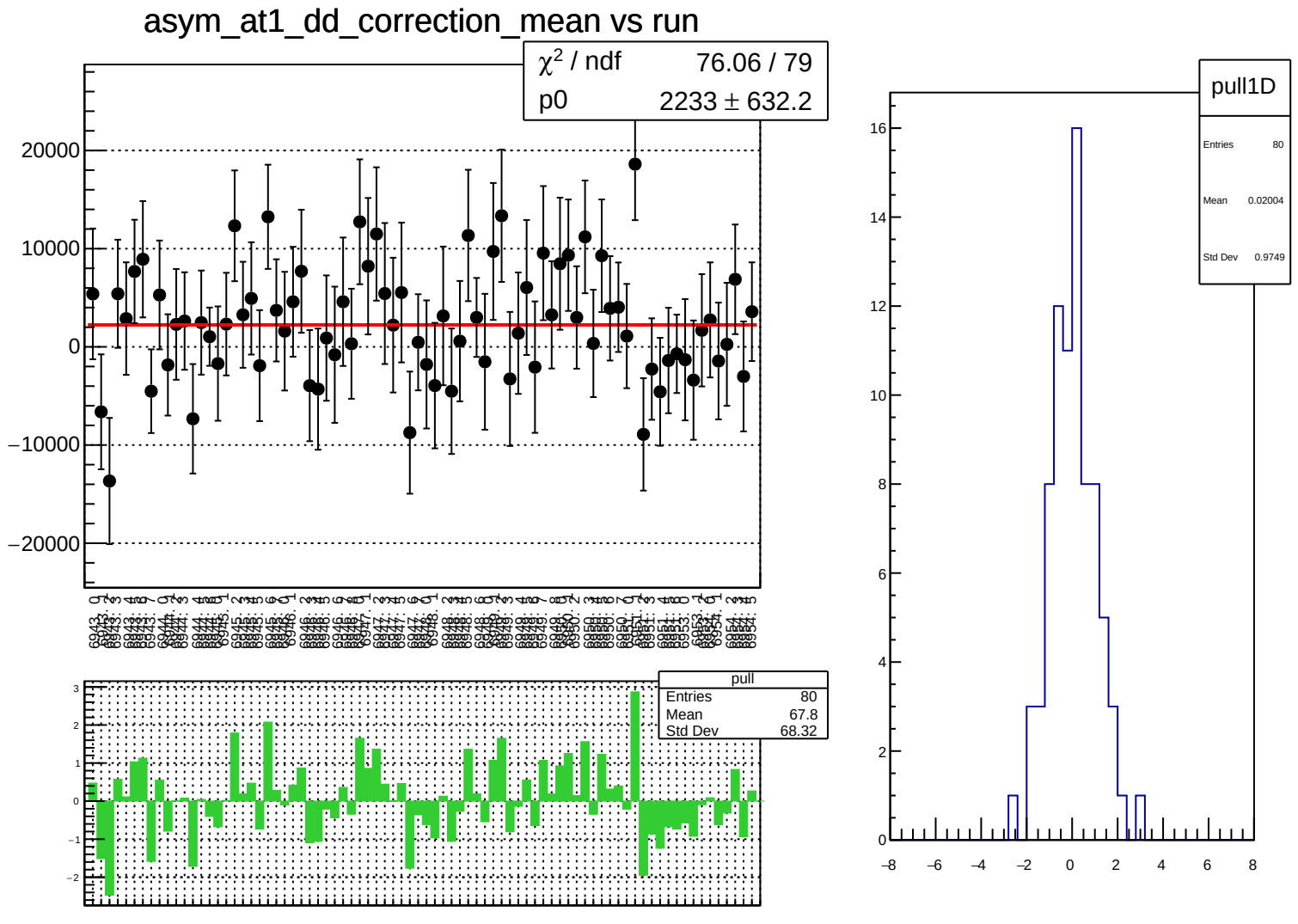

pull1D
Entries 80
Mean −6.351e−05
Std Dev 1.003

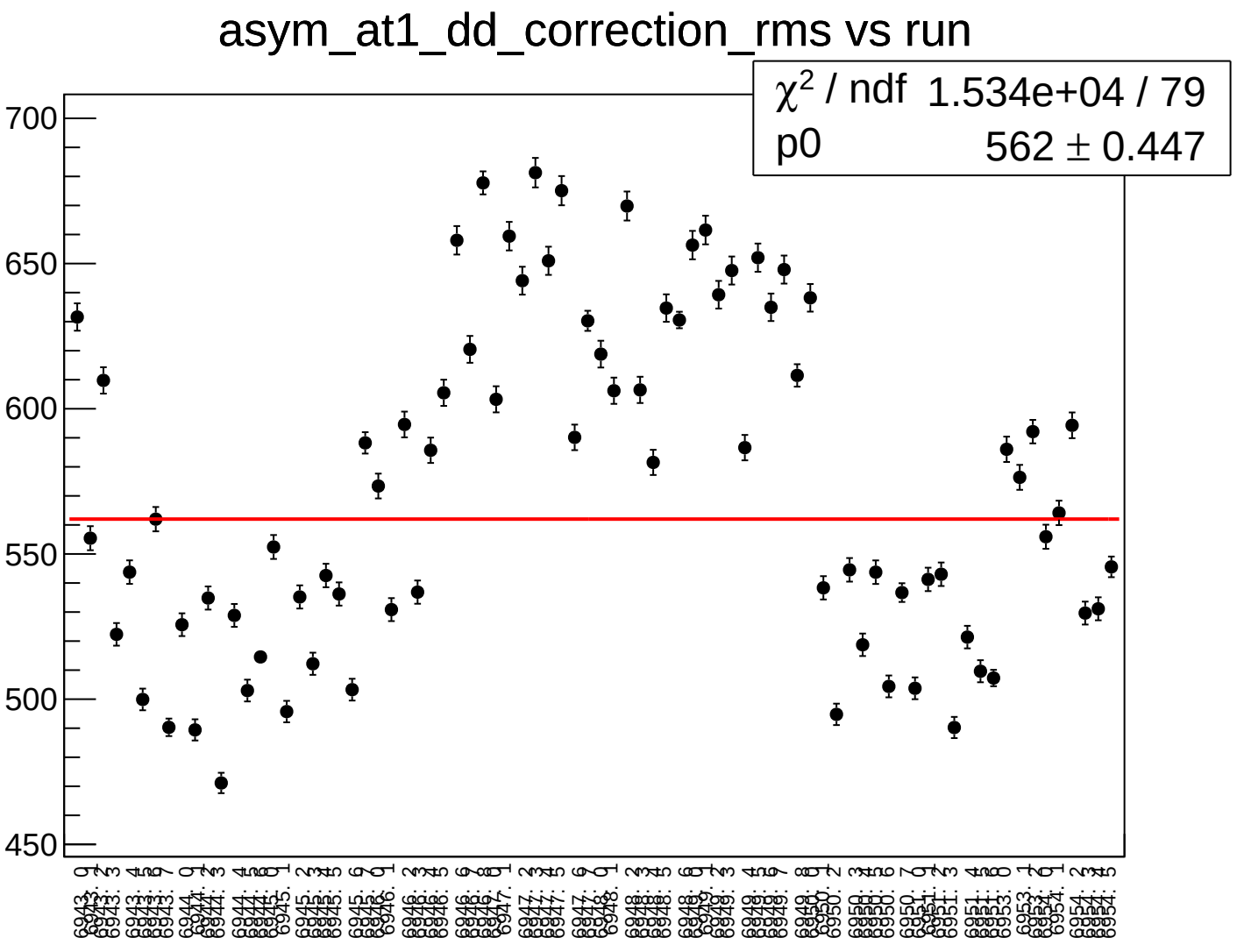

asym_at1_avg_rms vs run
χ^2 / ndf 7974 / 79
p0 2006 ± 1.592
6000
5500
5000
4500
4000
3500
3000
2500
2000

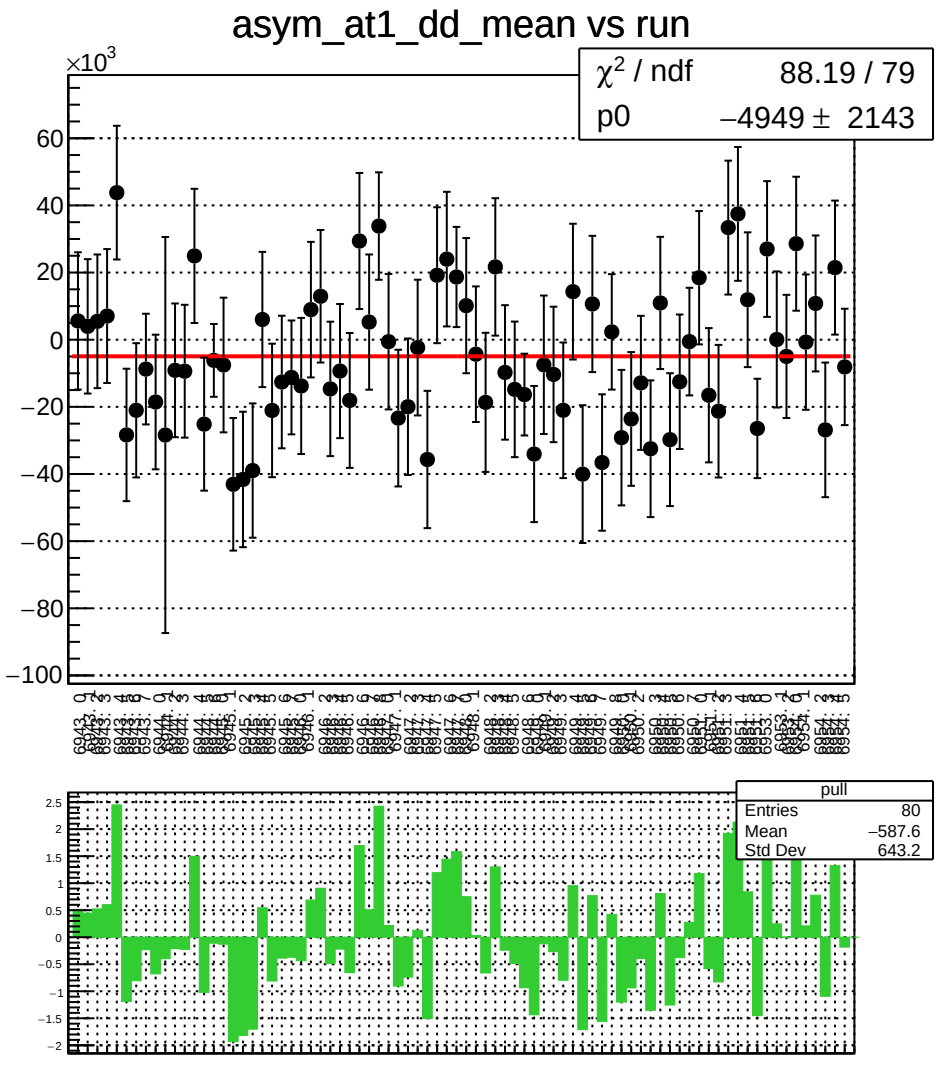

dit_asym_at1_dd_mean vs run
χ² / ndf 83.65 / 79
p0 −2550 ± 2045
×10³
pull
Entries 80
Mean −1986
Std Dev 2035

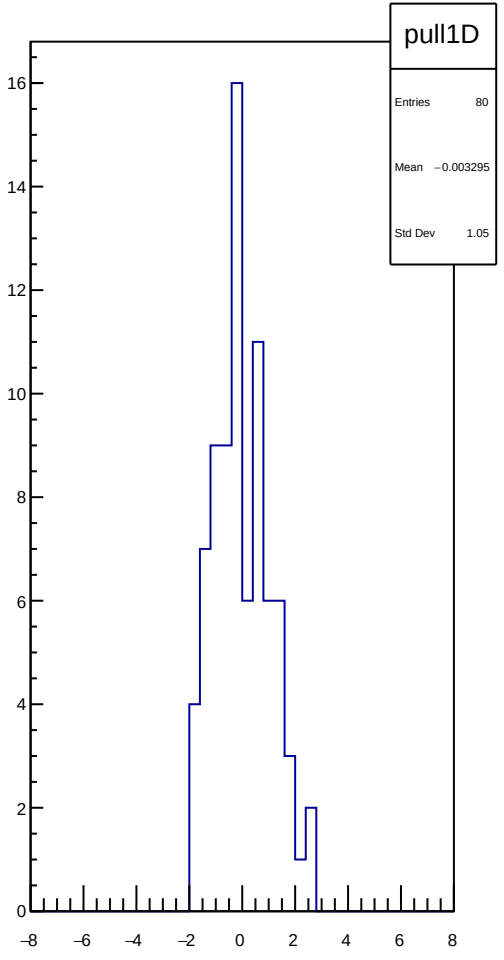

pull1D
Entries 80
Mean −0.001122
Std Dev 1.023

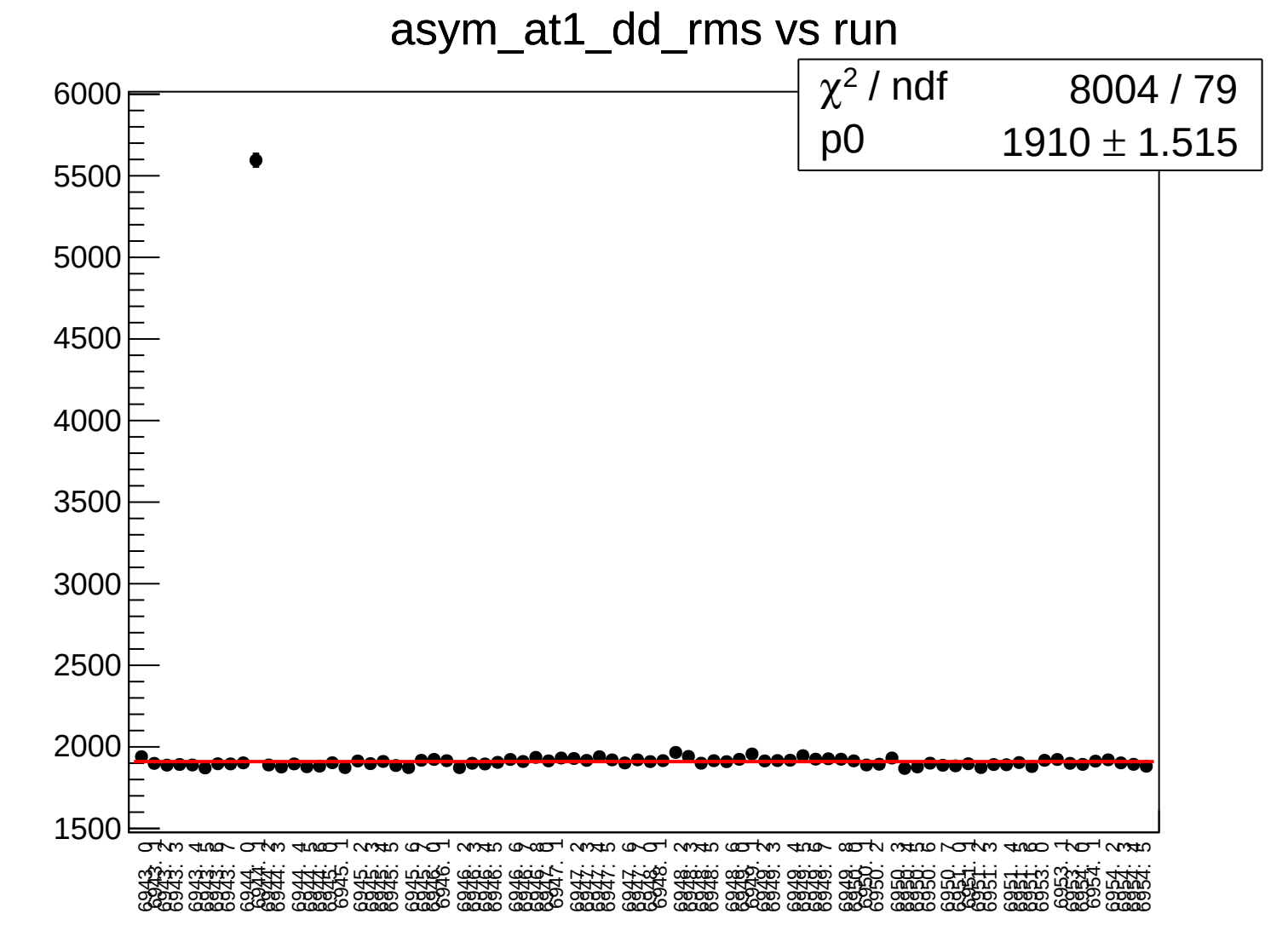

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8241 / 79
p0 1822 ± 1.446
5500
5000
4500
4000
3500
3000
2500
2000
1500

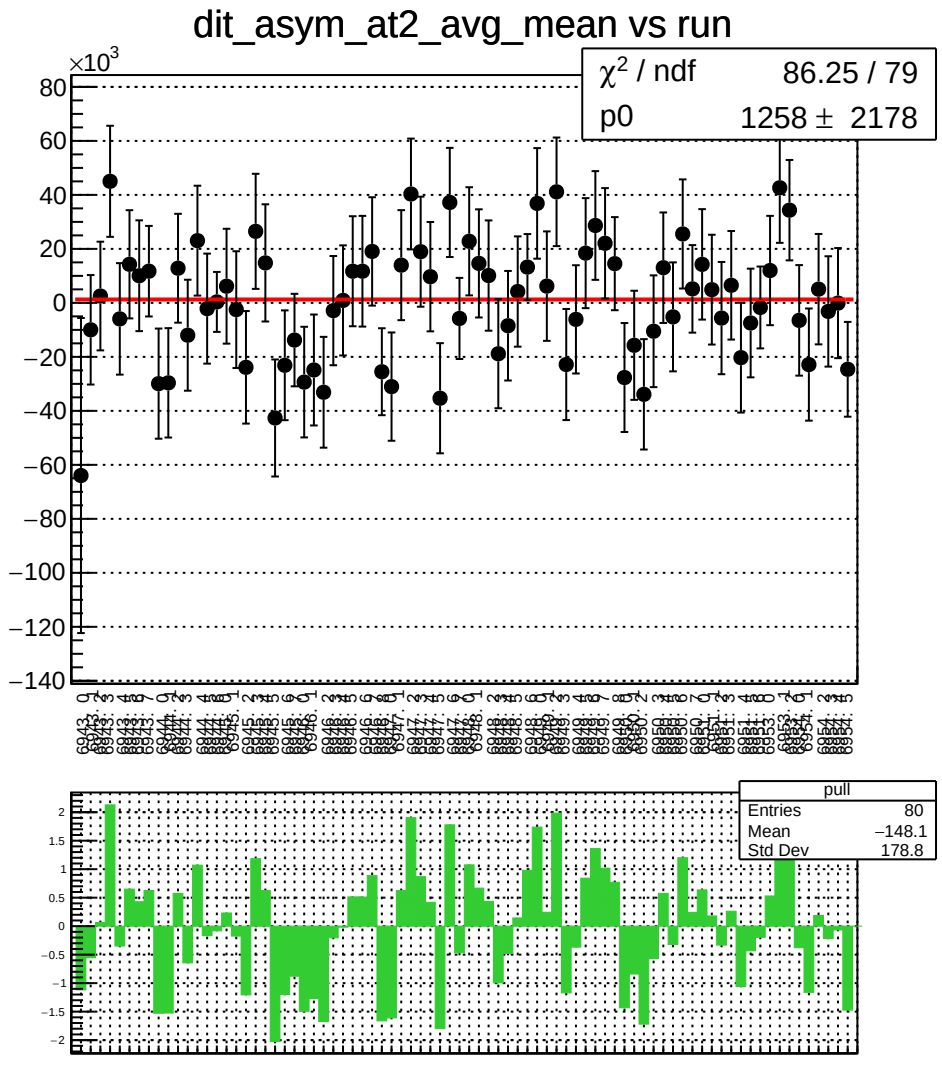

asym_at1_dd_correction_mean vs run
χ² / ndf 76.06 / 79
p0 2233 ± 632.2
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 67.8
Std Dev 68.32
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.02004
Std Dev 0.9749
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

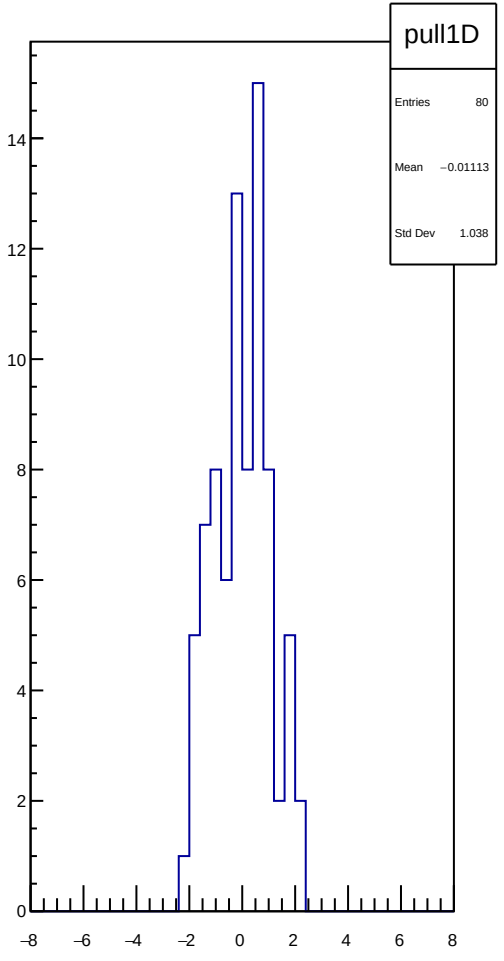

asym_at1_dd_correction_rms vs run
χ² / ndf 1.534e+04 / 79
p0 562 ± 0.447
700
650
600
550
500
450

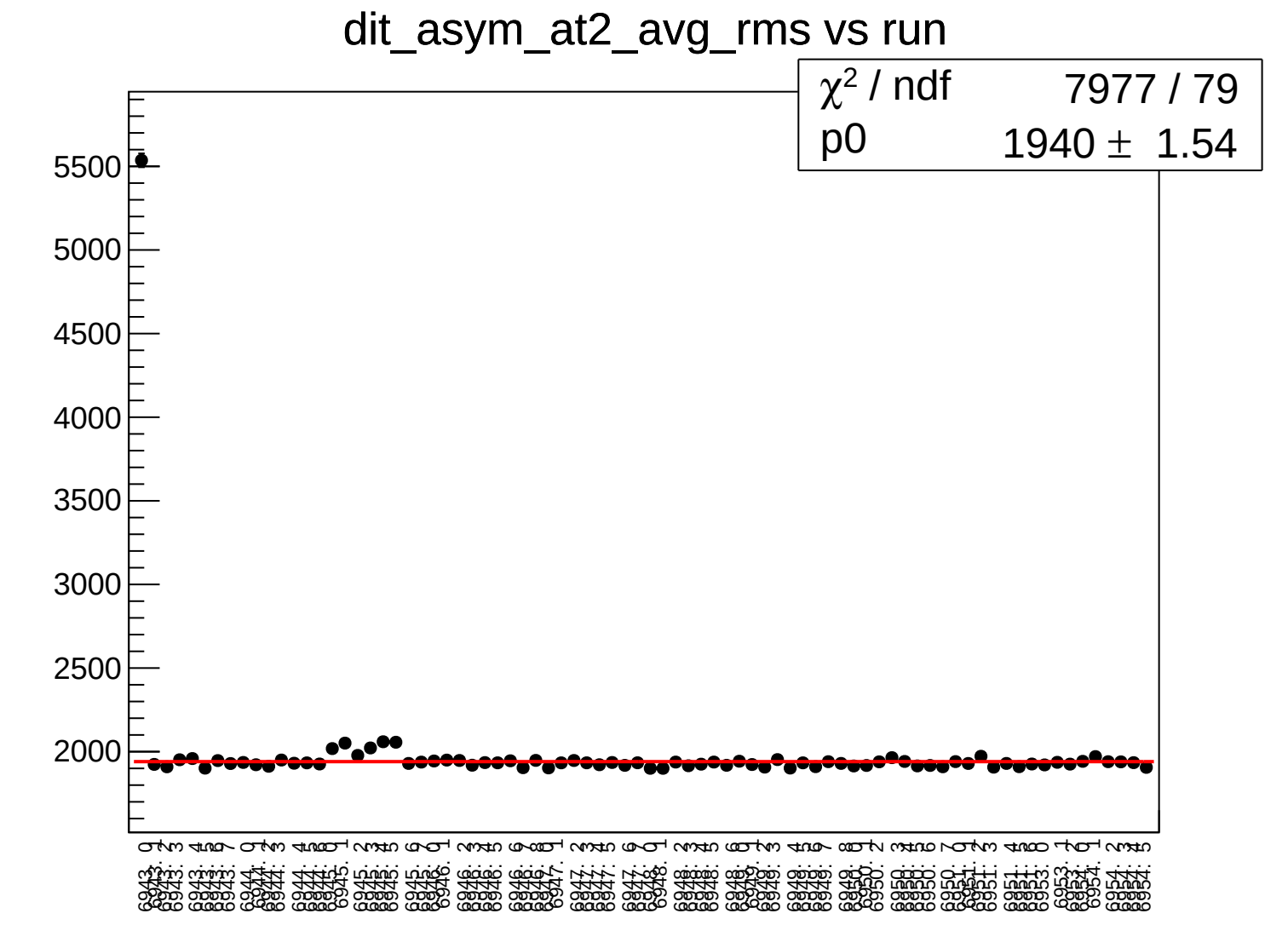

asym_at1_dd_mean vs run
χ^2 / ndf 88.19 / 79
p0 −4949 ± 2143
×10^3
pull
Entries 80
Mean −587.6
Std Dev 643.2

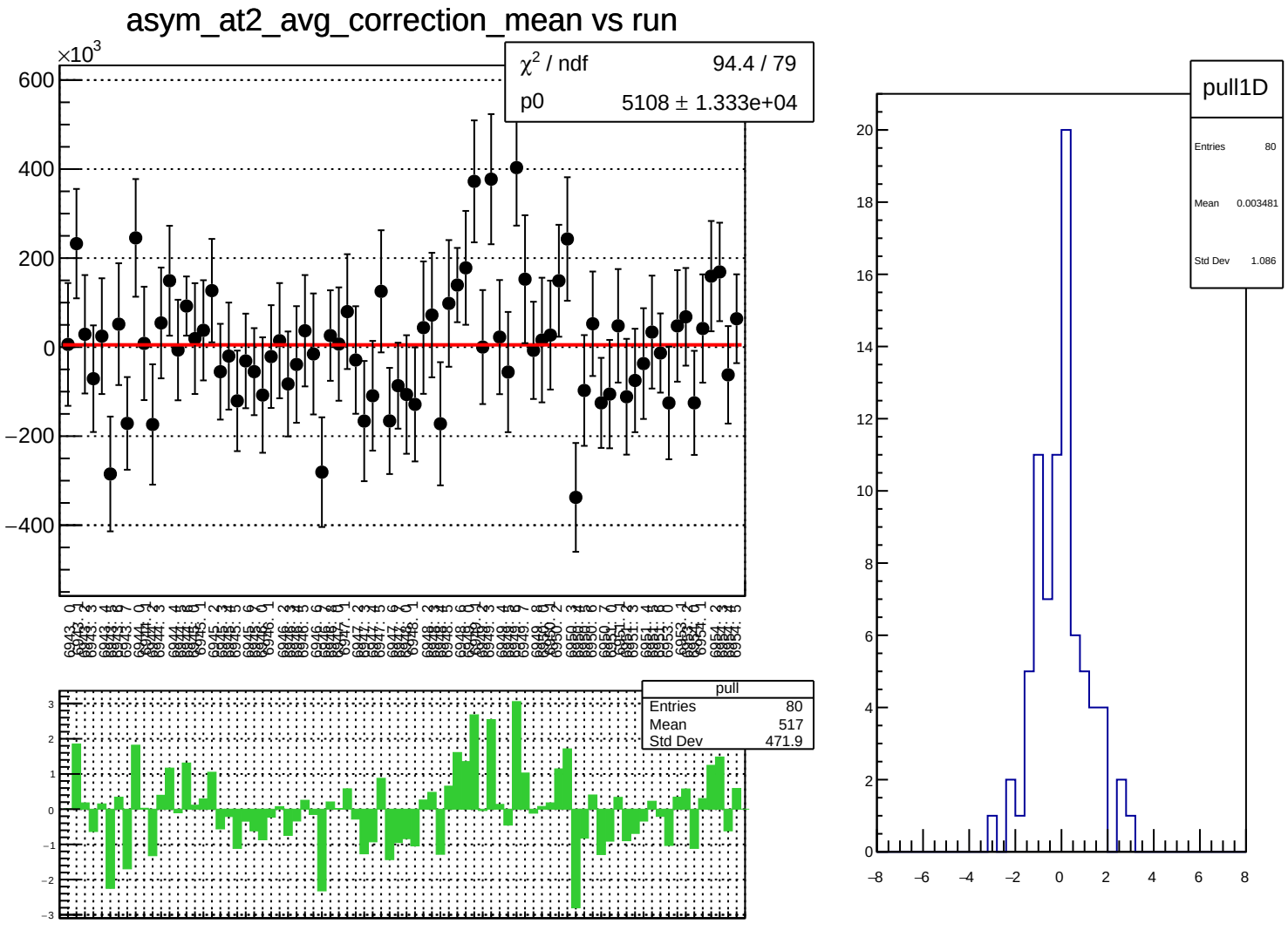

pull1D
Entries 80
Mean −0.003295
Std Dev 1.05


asym_at1_dd_rms vs run
χ^2 / ndf 8004 / 79
p0 1910 ± 1.515
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

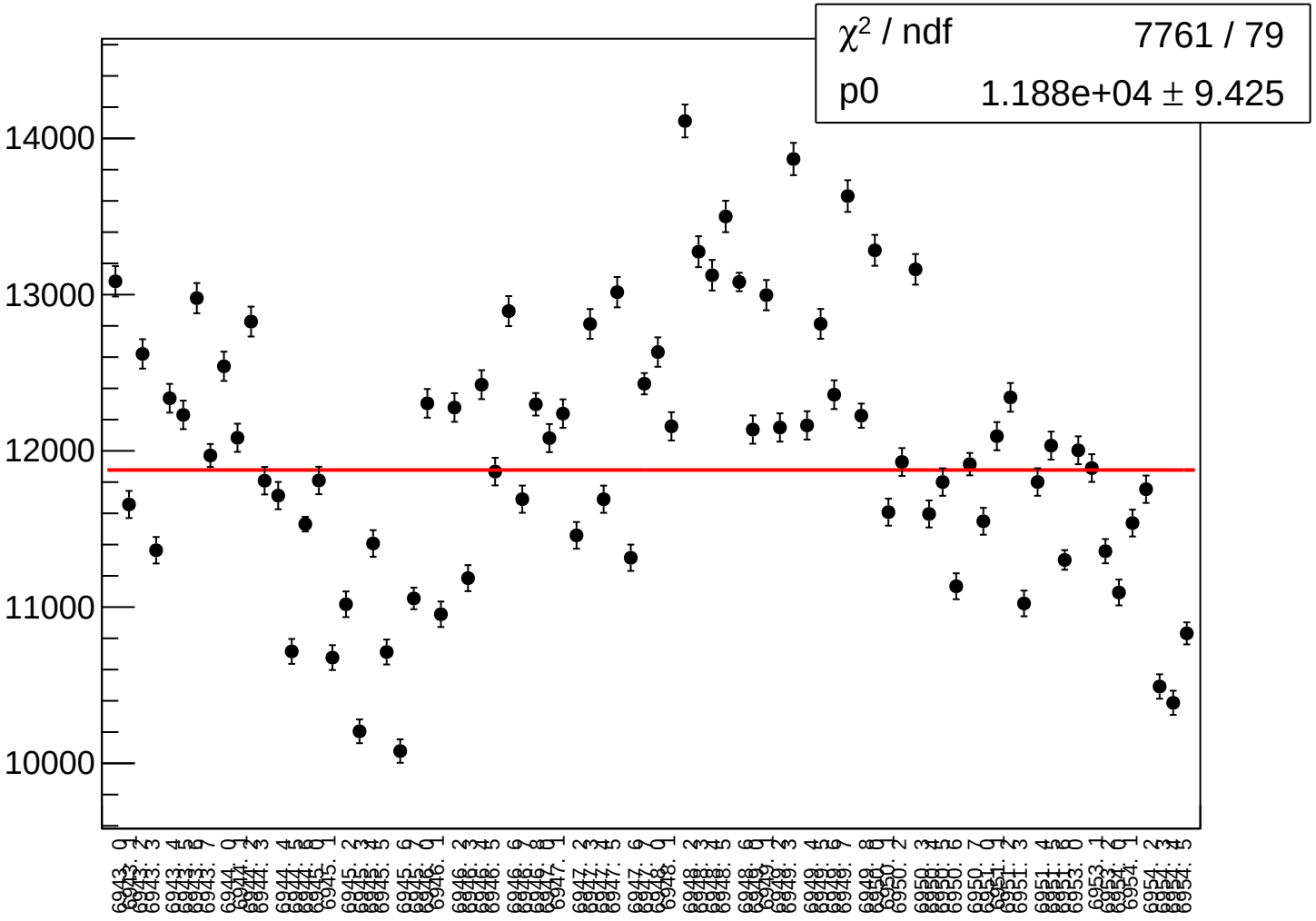

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 86.25 / 79
p0 1258 ± 2178
pull
Entries 80
Mean −148.1
Std Dev 178.8

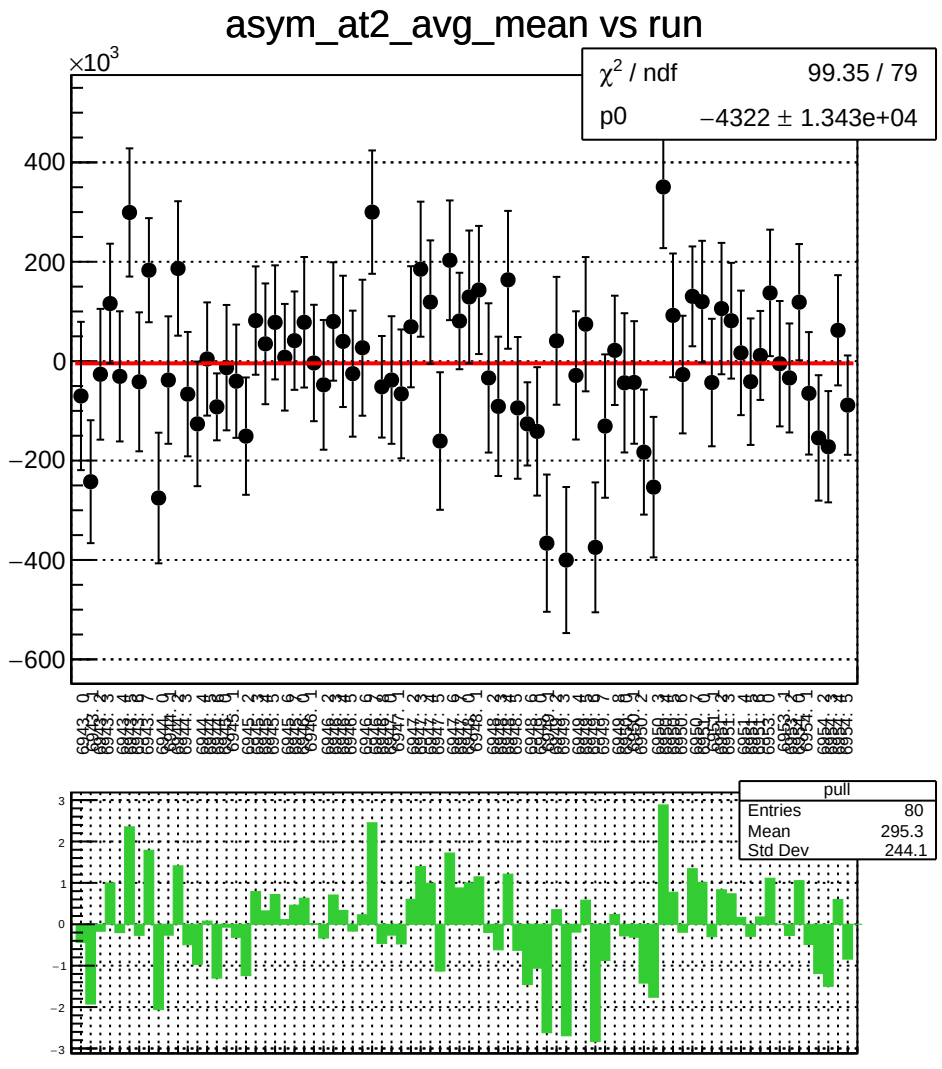

pull1D
Entries 80
Mean −0.01113
Std Dev 1.038

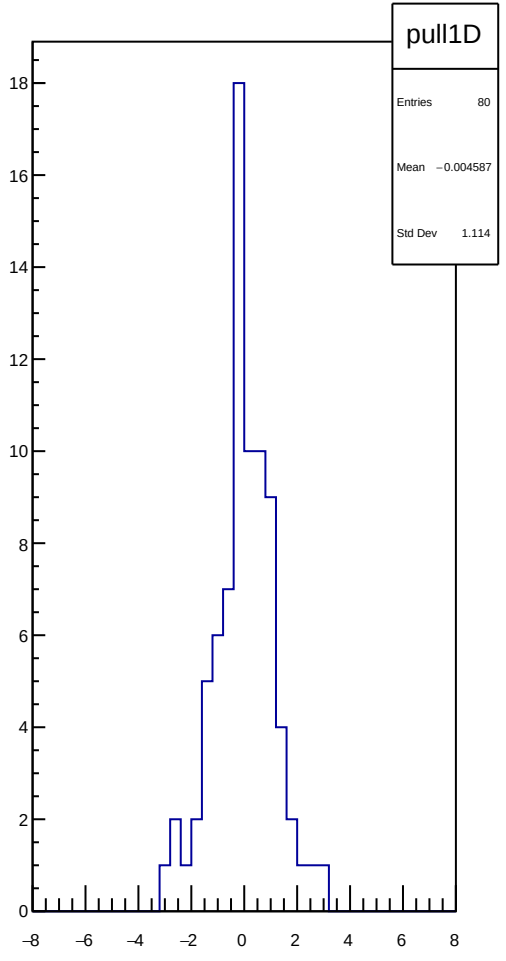

dit_asym_at2_avg_rms vs run
χ^2 / ndf 7977 / 79
p0 1940 ± 1.54
5500
5000
4500
4000
3500
3000
2500
2000

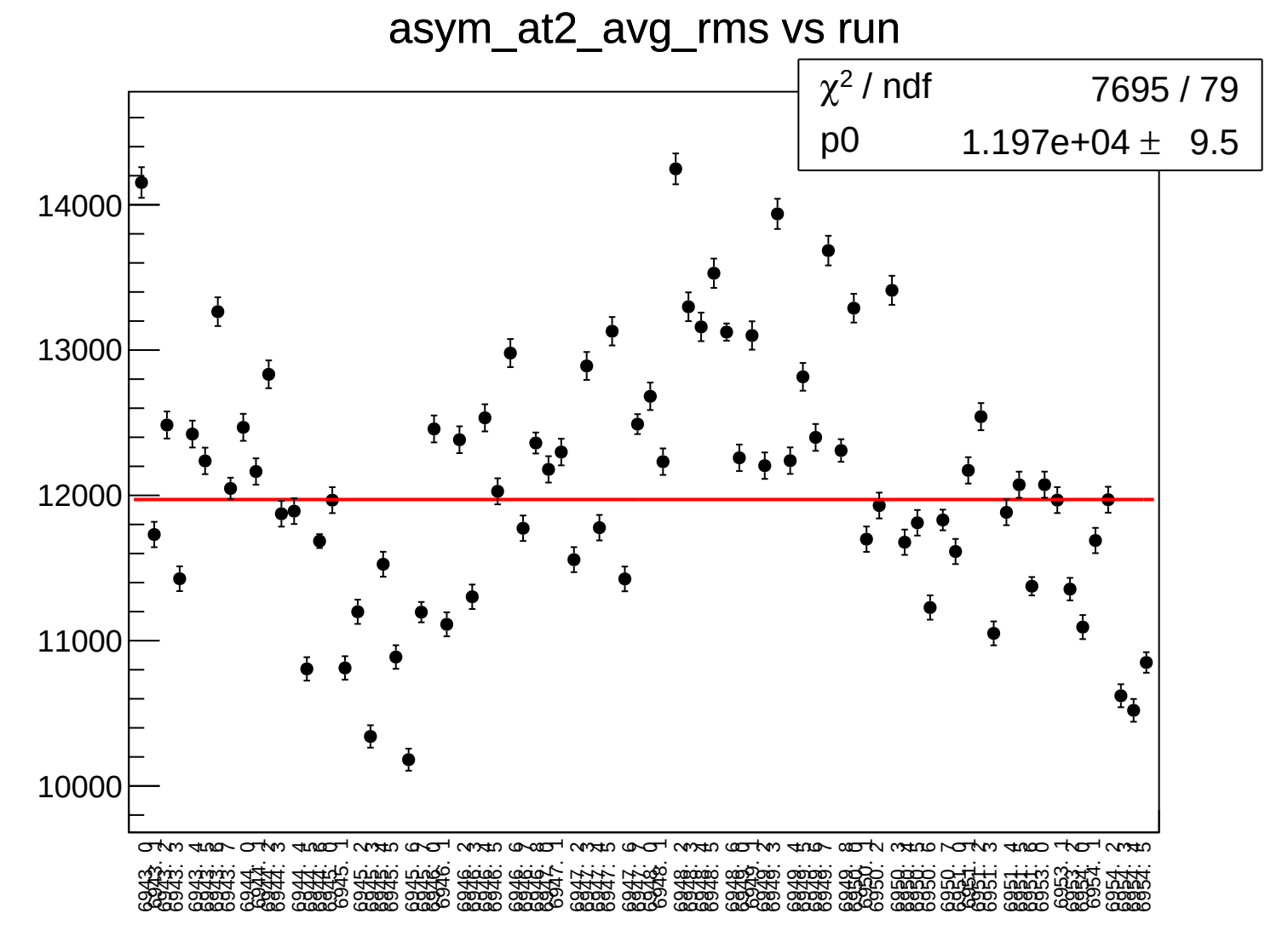

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 94.4 / 79
p0 5108 ± 1.333e+04
pull
Entries 80
Mean 517
Std Dev 471.9
pull1D
Entries 80
Mean 0.003481
Std Dev 1.086

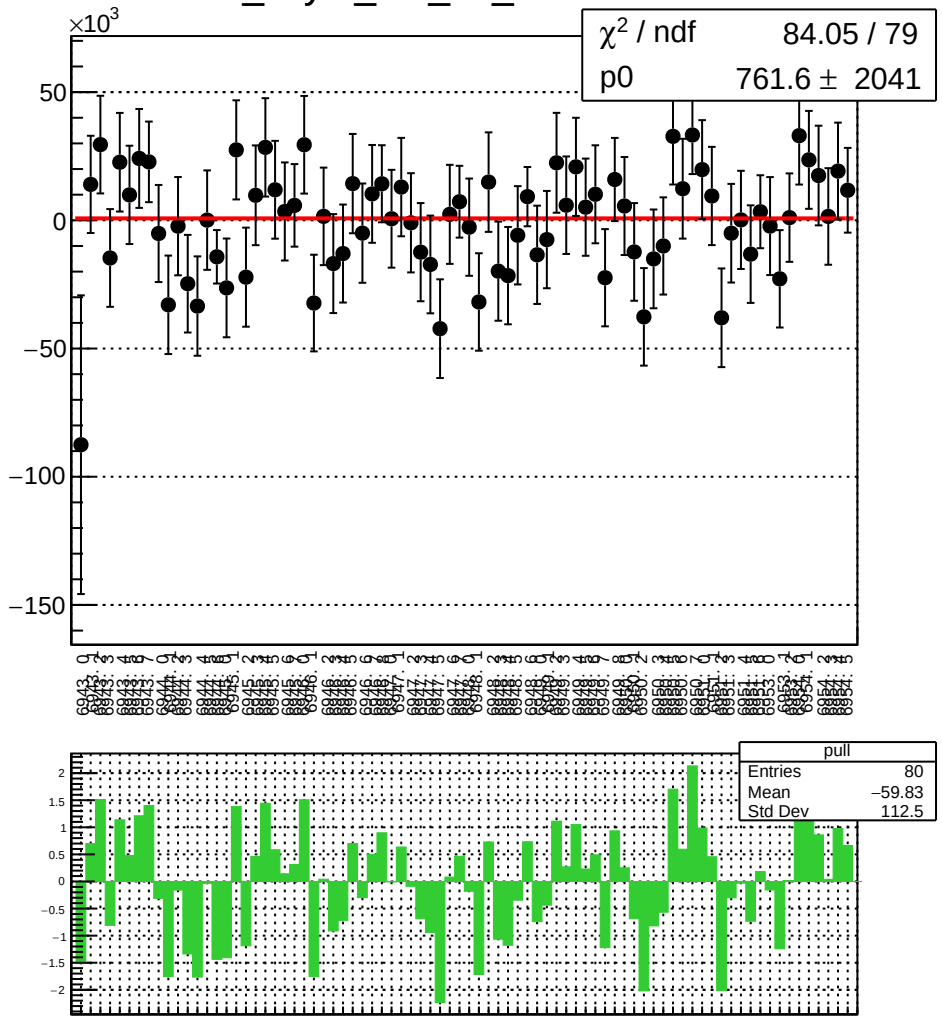
asym_at2_avg_correction_rms vs run

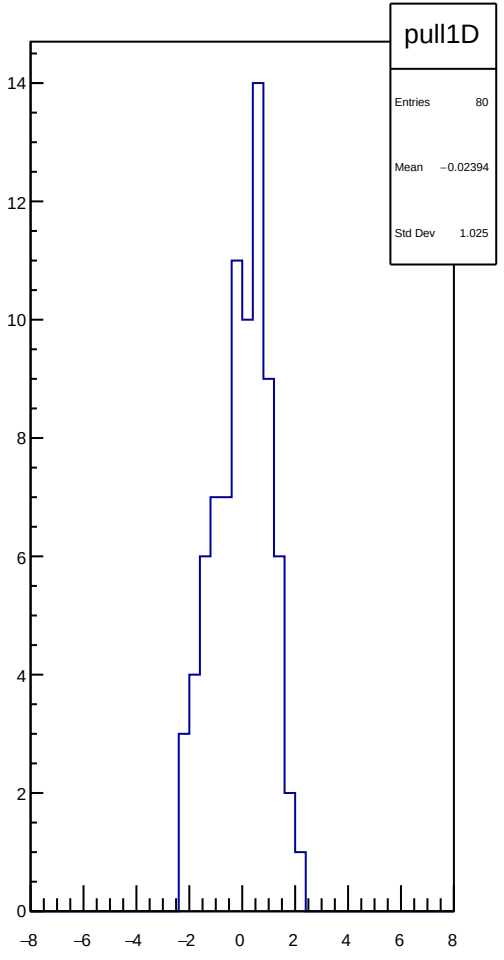


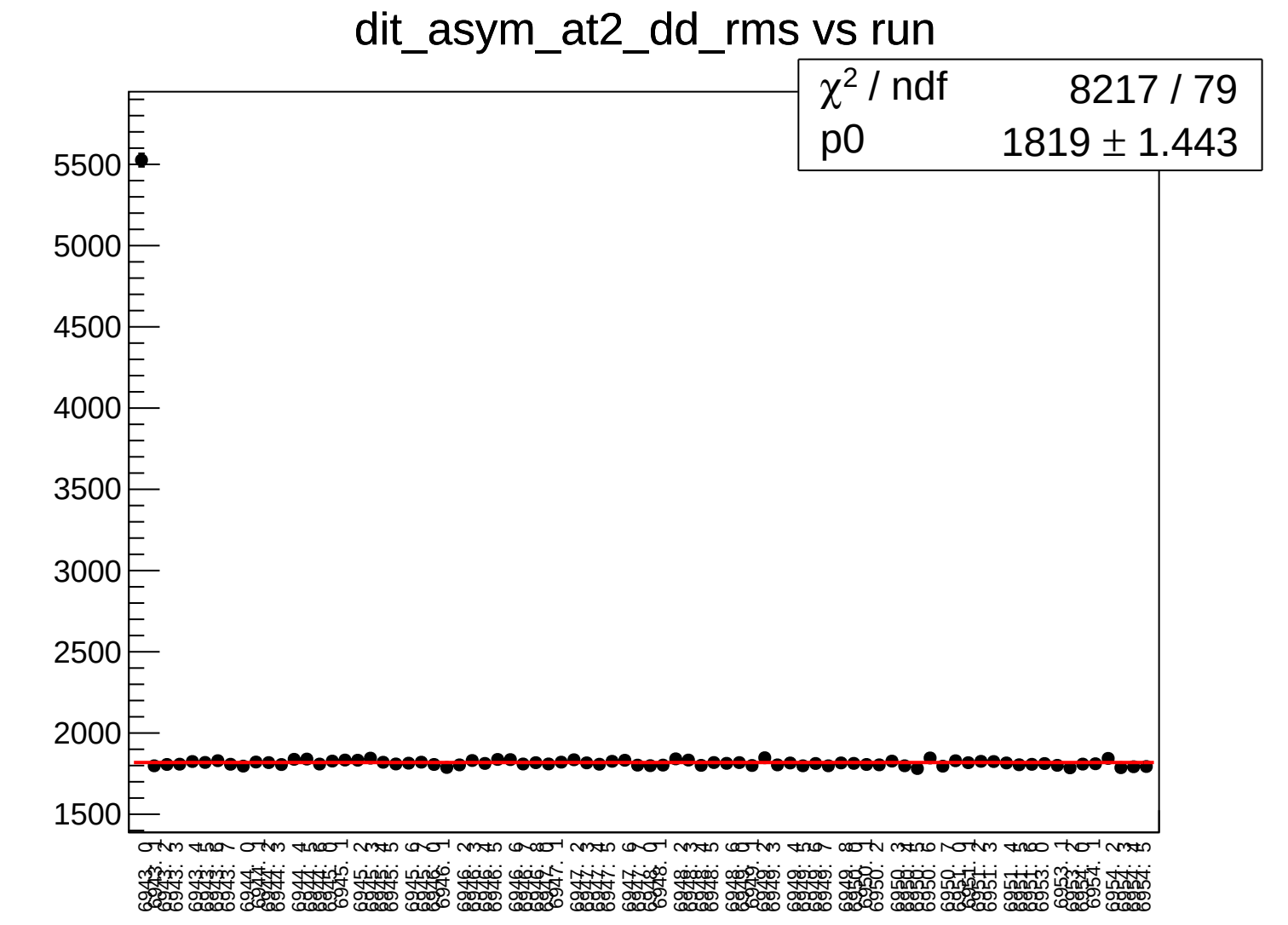

asym_at2_avg_mean vs run
×10^3
χ² / ndf 99.35 / 79
p0 −4322 ± 1.343e+04
400
200
0
−200
−400
−600
pull
Entries 80
Mean 295.3
Std Dev 244.1
3
2
1
0
−1
−2
−3

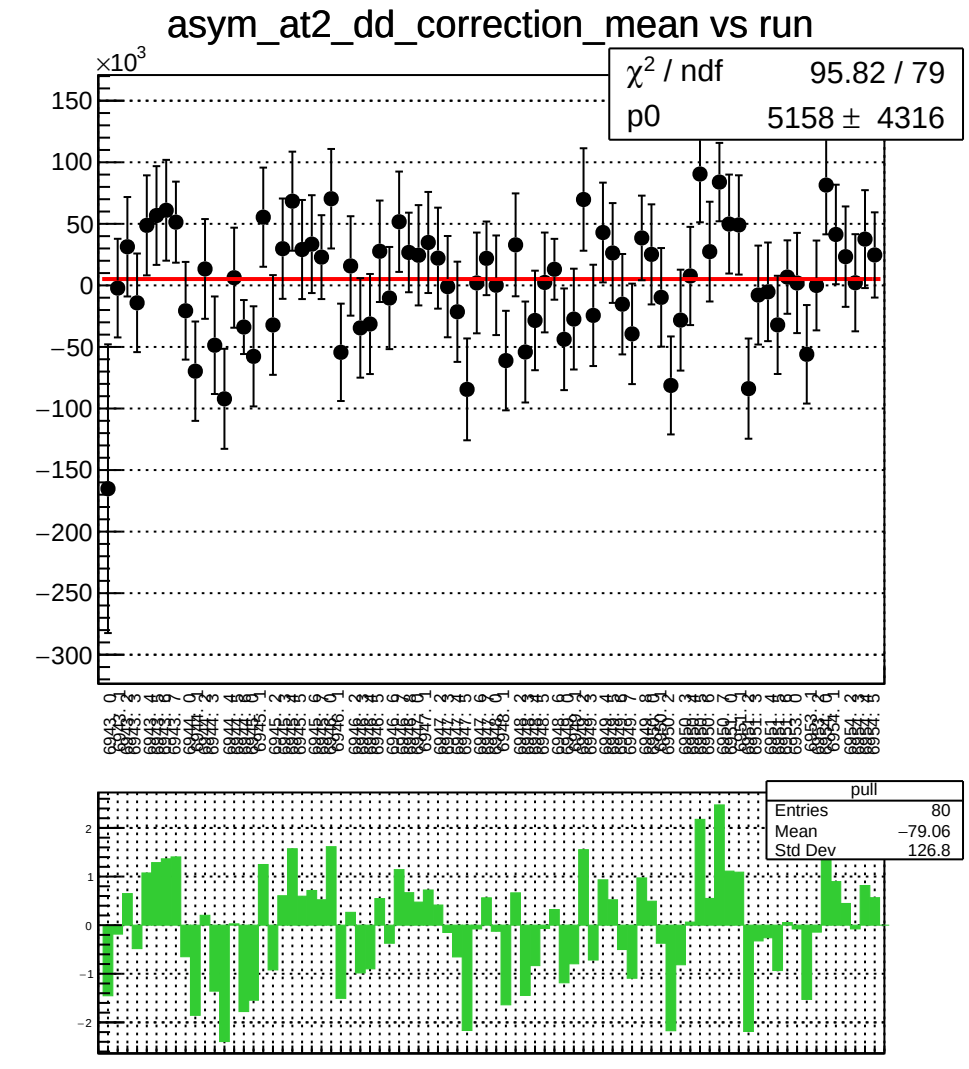

pull1D
Entries 80
Mean −0.004587
Std Dev 1.114
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

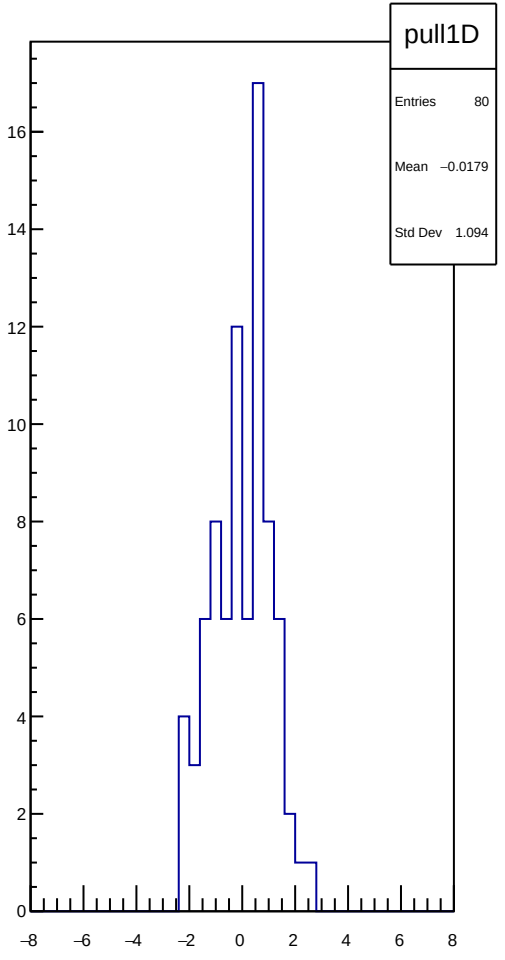

asym_at2_avg_rms vs run
χ^2 / ndf 7695 / 79
p0 1.197e+04 ± 9.5
14000
13000
12000
11000
10000

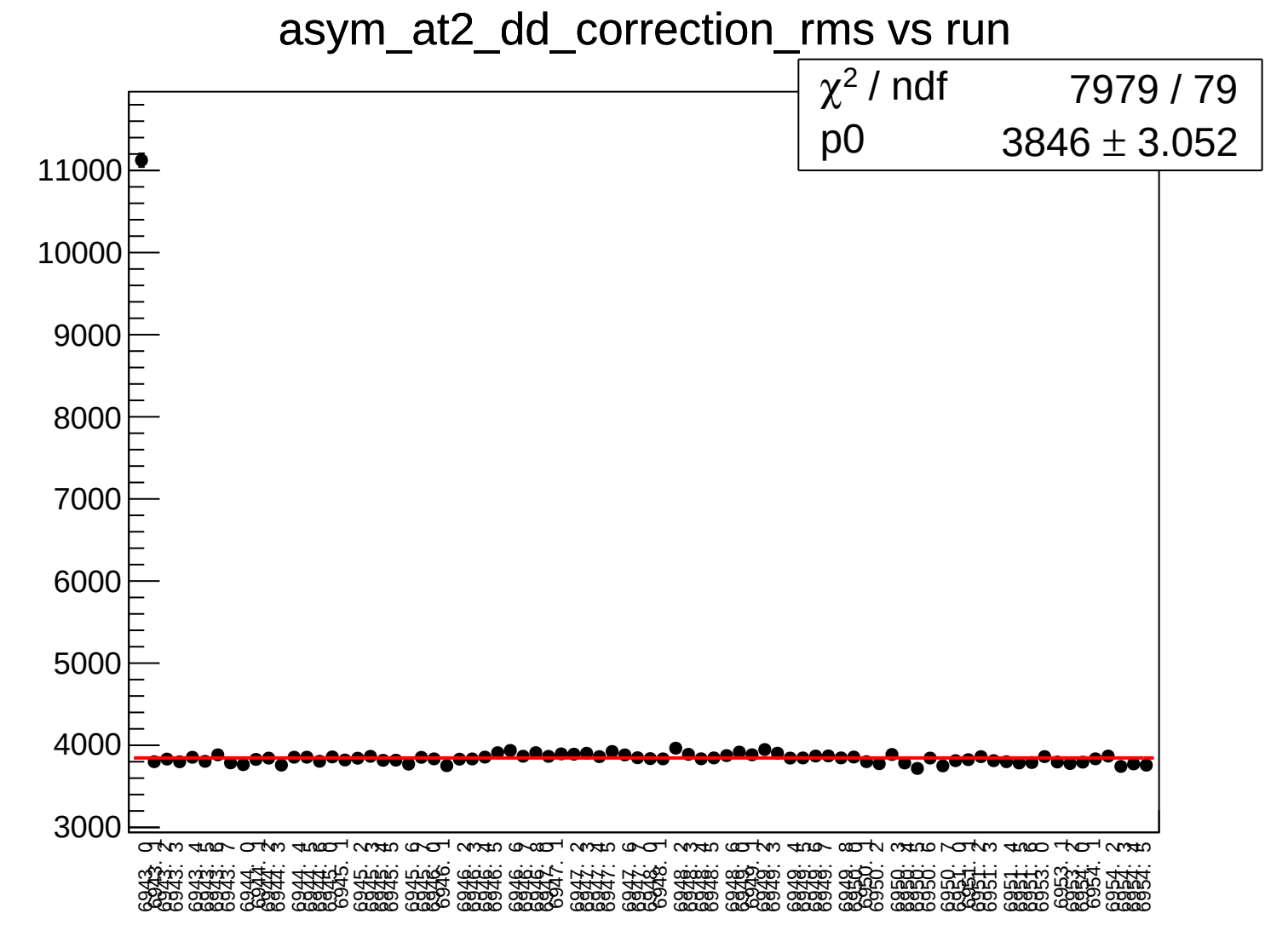

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 84.05 / 79
p0 761.6 ± 2041
50
0
−50
−100
−150
pull
Entries 80
Mean −59.83
Std Dev 112.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

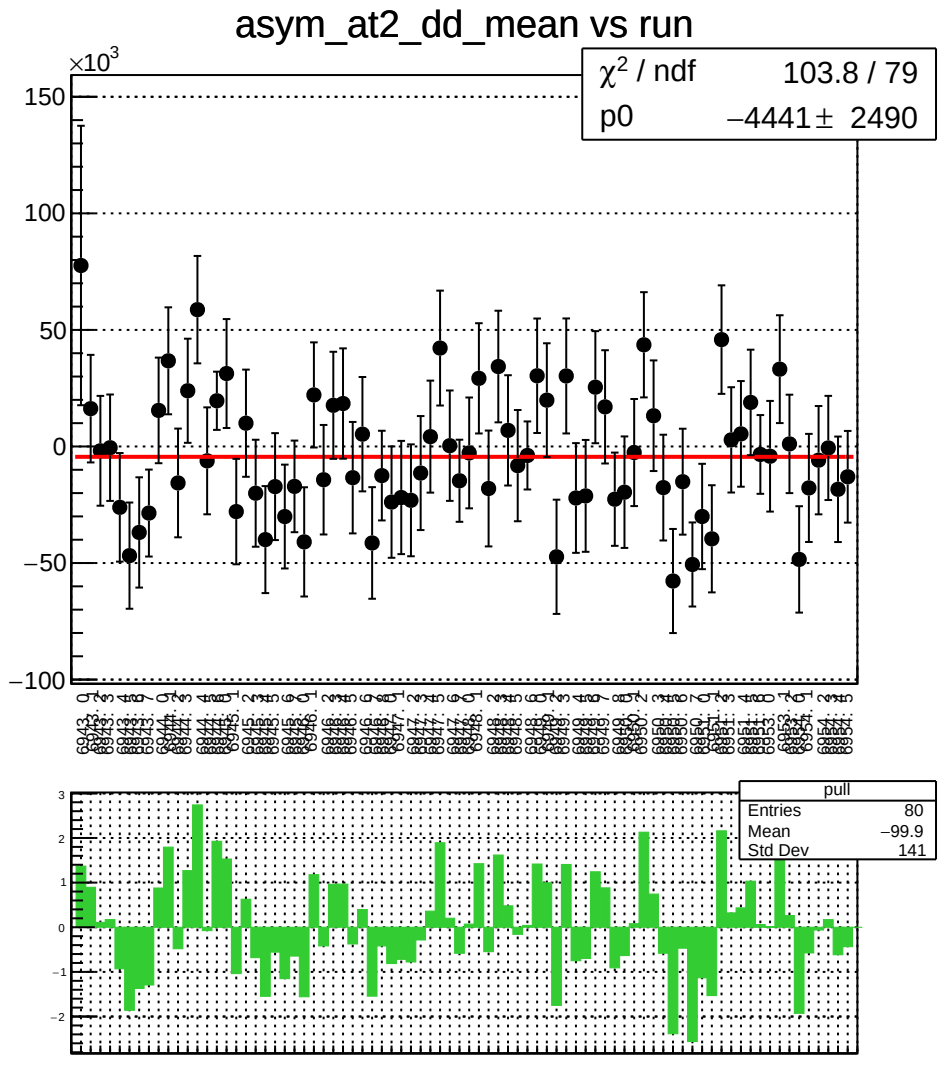

pull1D
Entries 80
Mean −0.02394
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

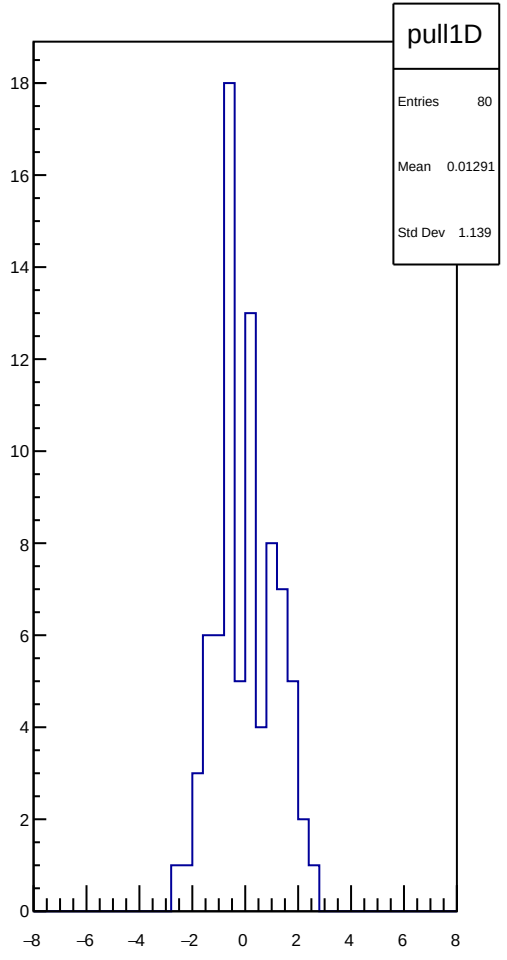

dit_asym_at2_dd_rms vs run
χ^2 / ndf 8217 / 79
p0 1819 ± 1.443
5500
5000
4500
4000
3500
3000
2500
2000
1500

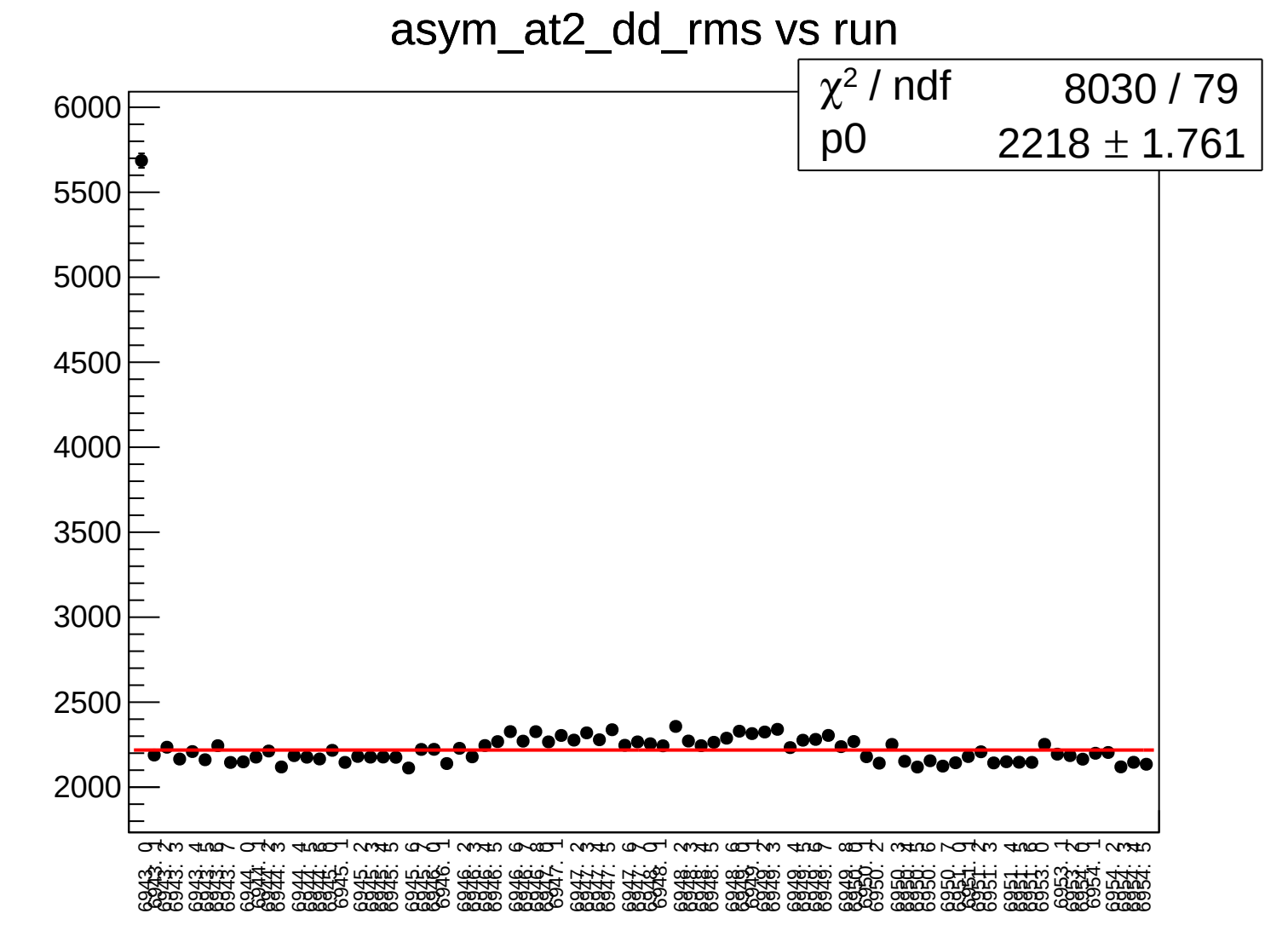

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 95.82 / 79
p0 5158 ± 4316
150
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 80
Mean −79.06
Std Dev 126.8
2
1
0
−1
−2

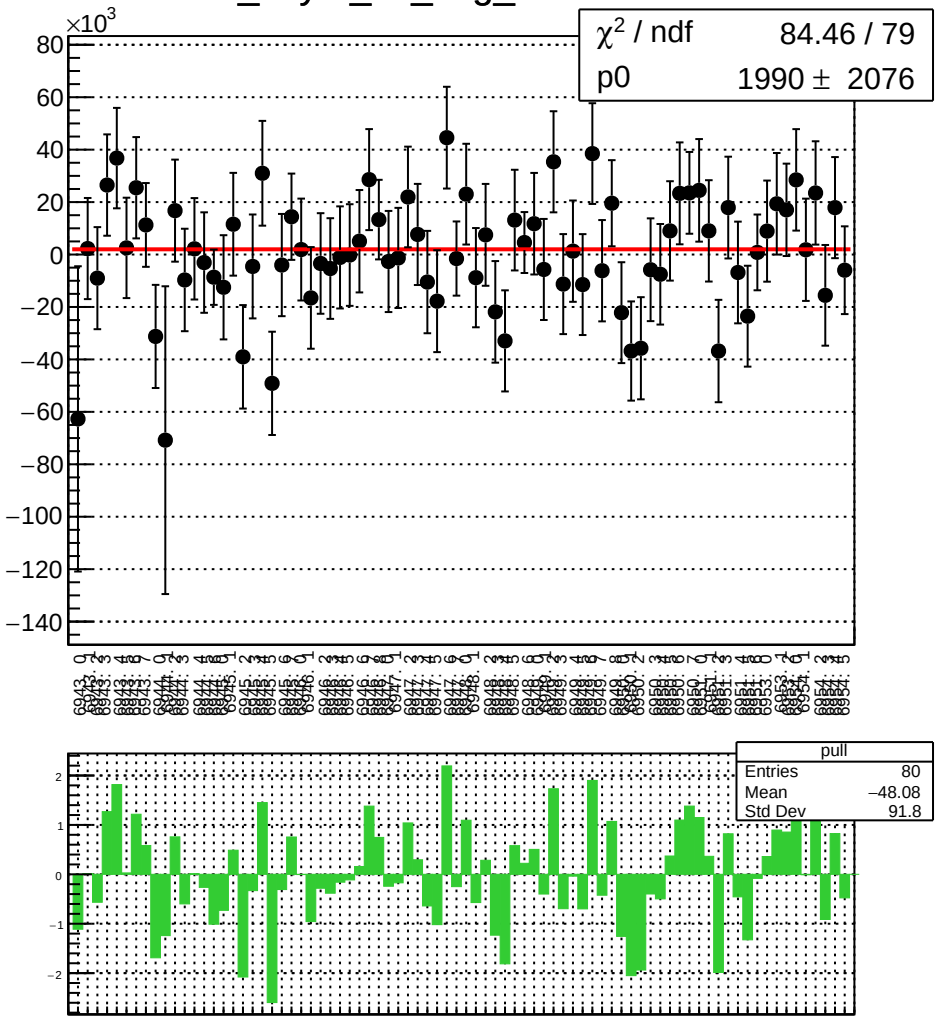

pull1D
Entries 80
Mean −0.0179
Std Dev 1.094
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

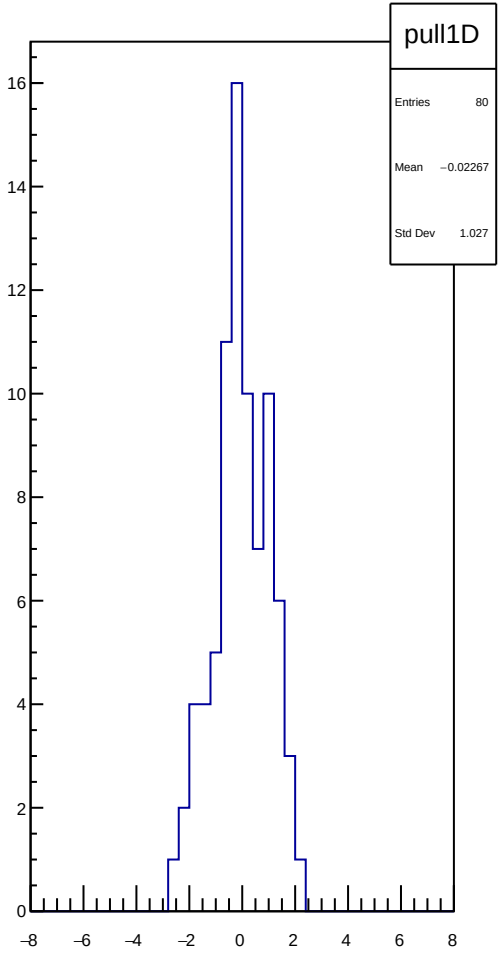

asym_at2_dd_correction_rms vs run
χ² / ndf 7979 / 79
p0 3846 ± 3.052
11000
10000
9000
8000
7000
6000
5000
4000
3000

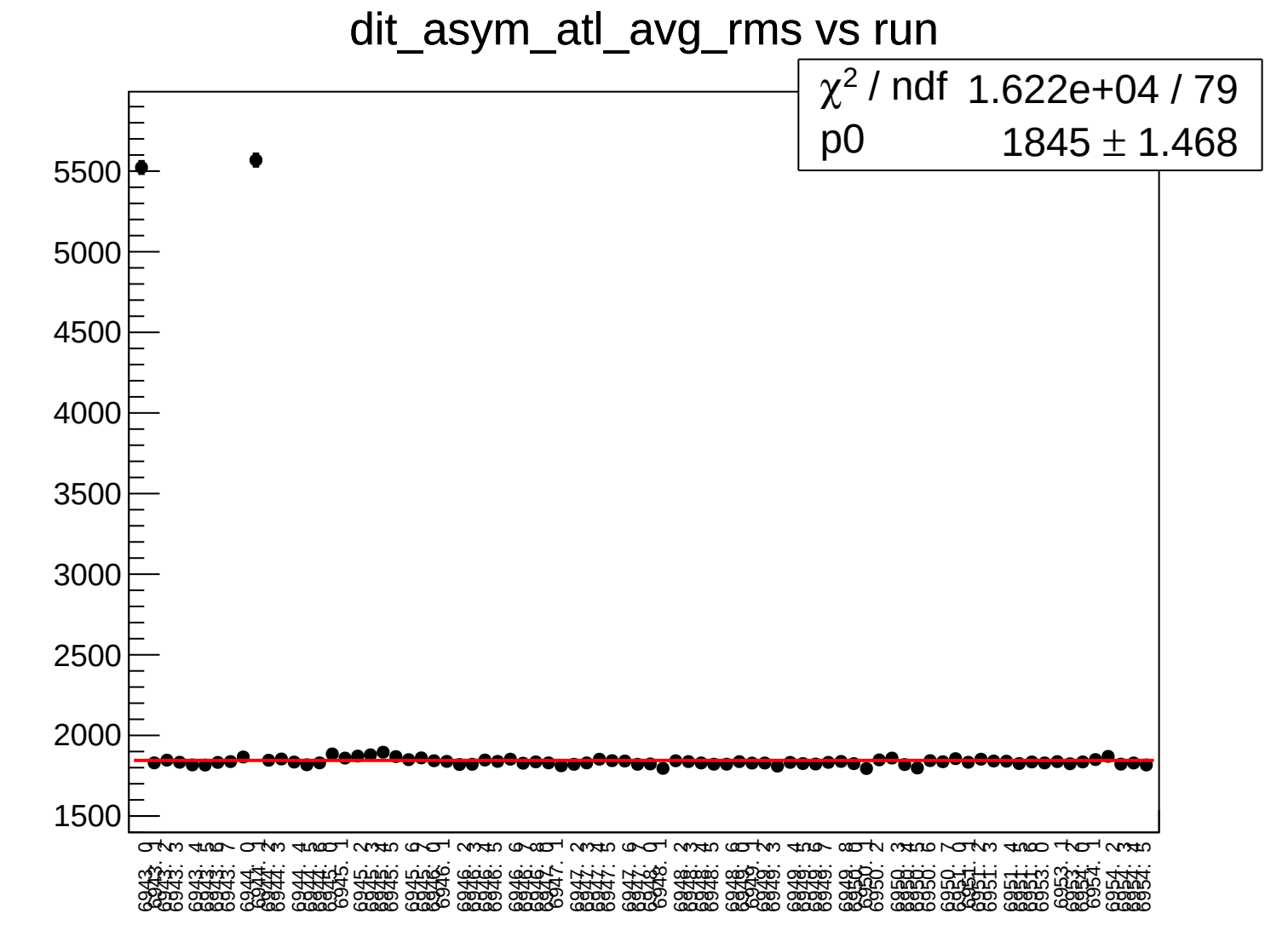

asym_at2_dd_mean vs run
×10^3
χ² / ndf 103.8 / 79
p0 −4441 ± 2490
150
100
50
0
−50
−100
pull
Entries 80
Mean −99.9
Std Dev 141
3
2
1
0
−1
−2

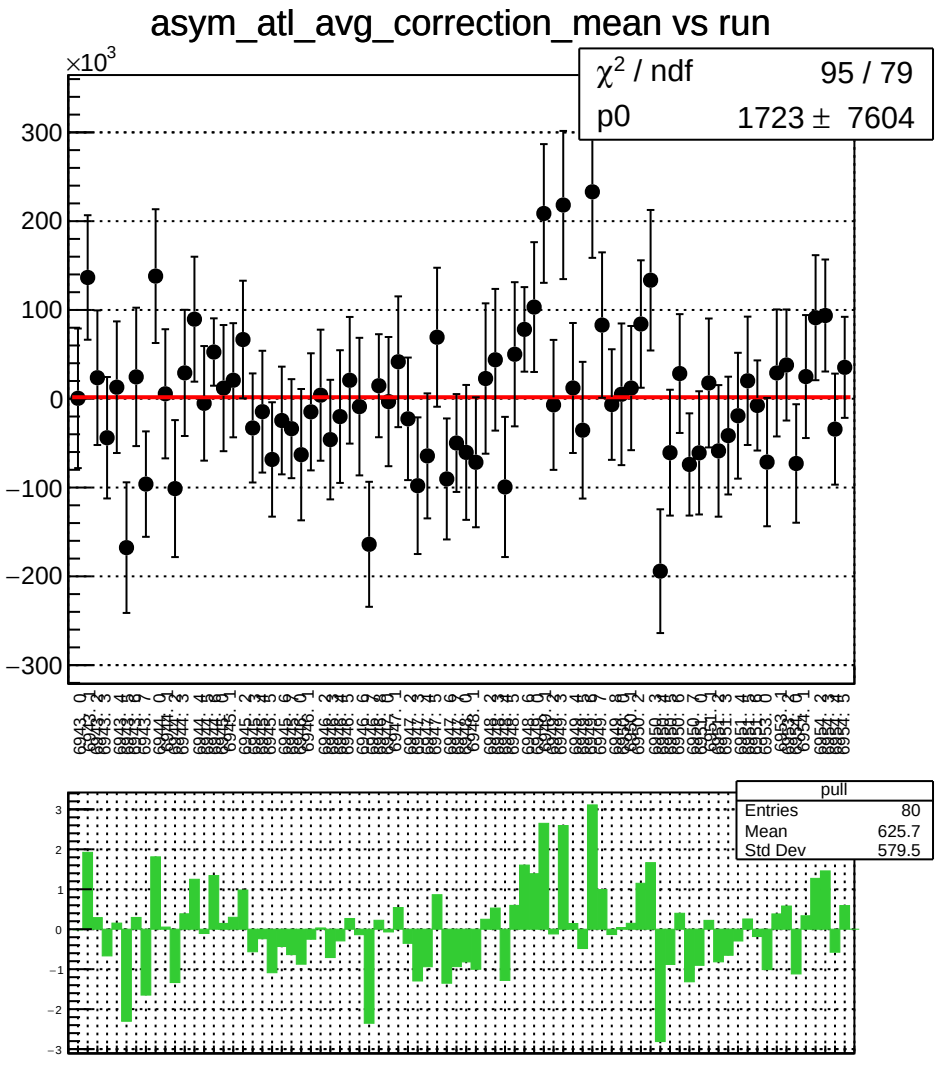

pull1D
Entries 80
Mean 0.01291
Std Dev 1.139
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

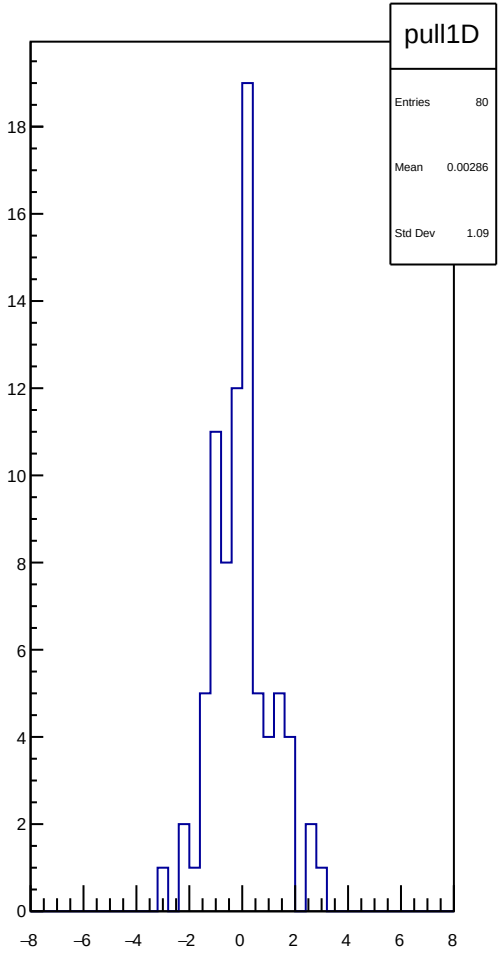

asym_at2_dd_rms vs run
χ^2 / ndf 8030 / 79
p0 2218 ± 1.761
6000
5500
5000
4500
4000
3500
3000
2500
2000

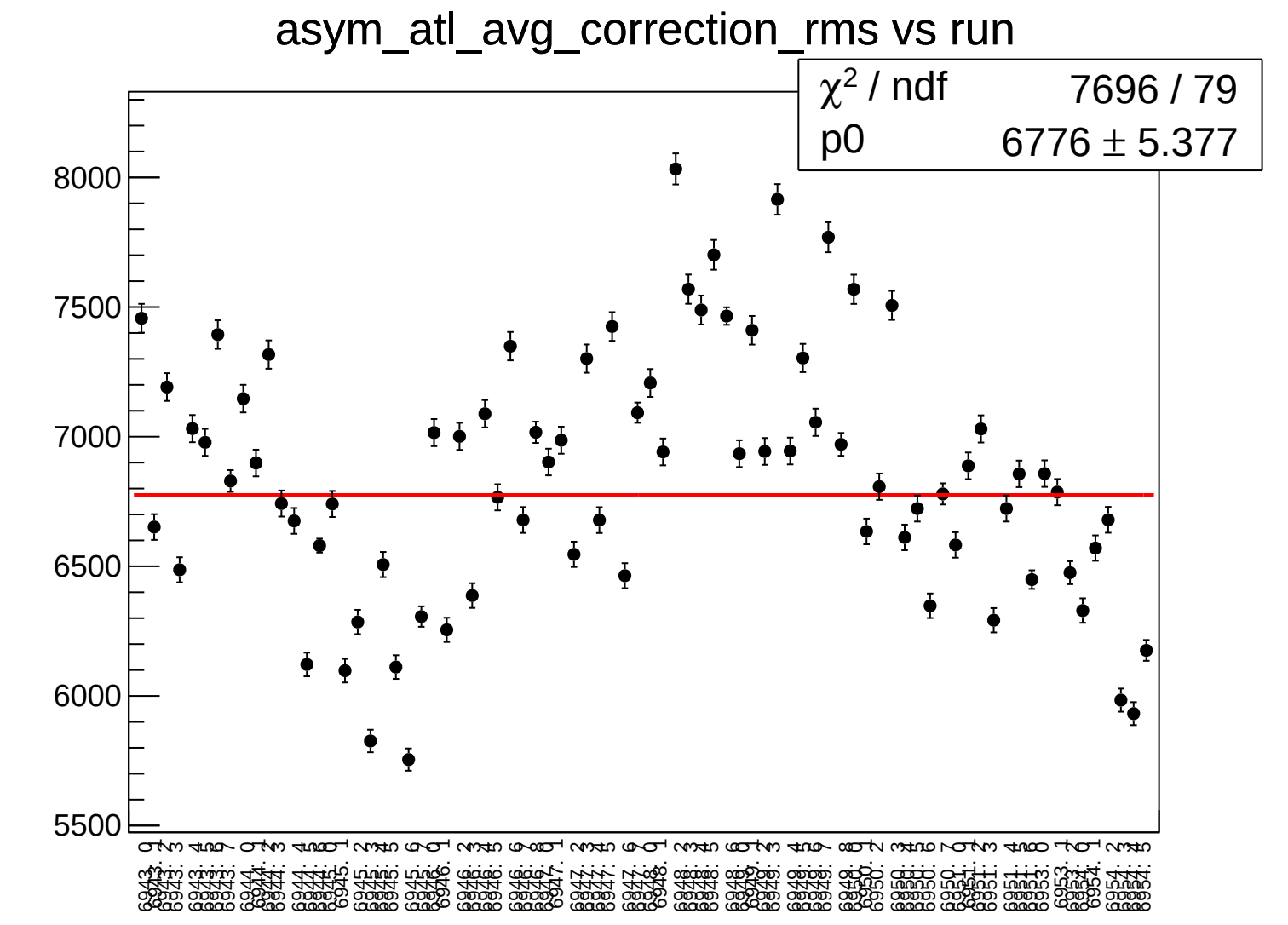

dit_asym_atl_avg_mean vs run
χ² / ndf 84.46 / 79
p0 1990 ± 2076
pull
Entries 80
Mean −48.08
Std Dev 91.8

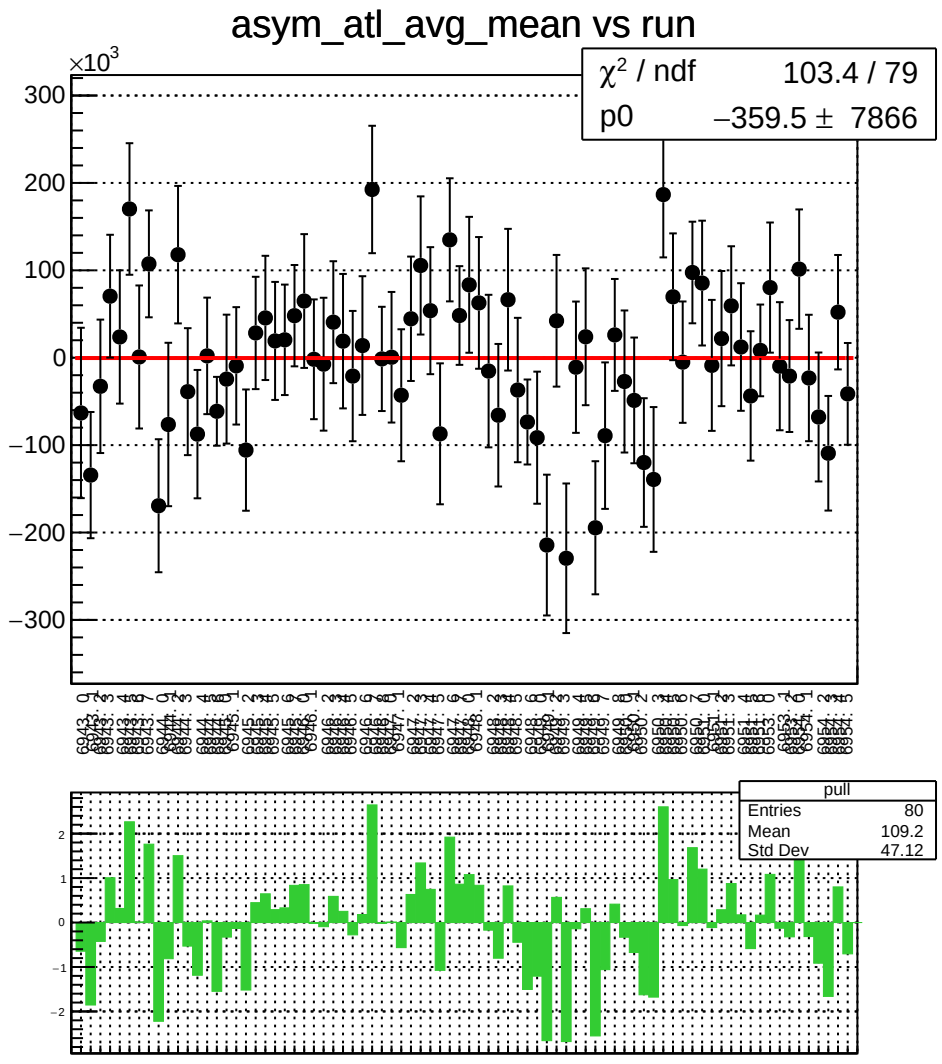

pull1D
Entries 80
Mean −0.02267
Std Dev 1.027

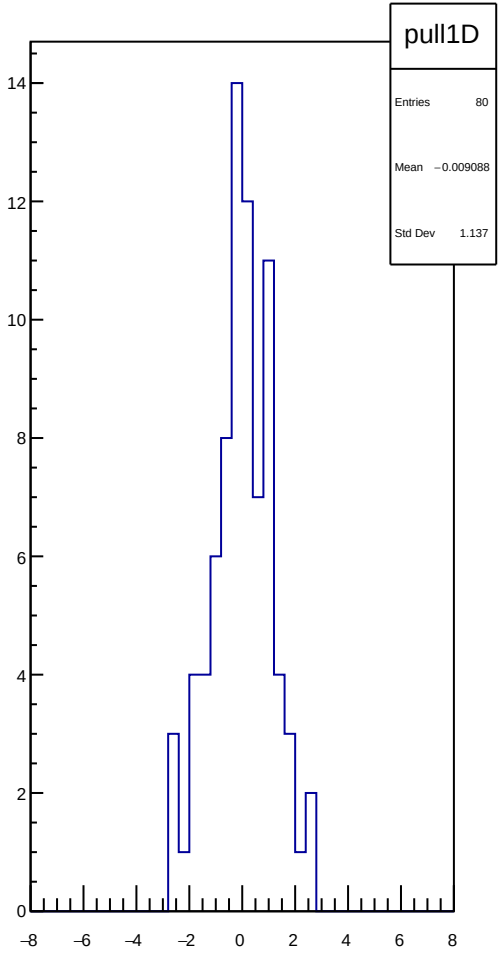

dit_asym_atl_avg_rms vs run
χ² / ndf 1.622e+04 / 79
p0 1845 ± 1.468
5500
5000
4500
4000
3500
3000
2500
2000
1500

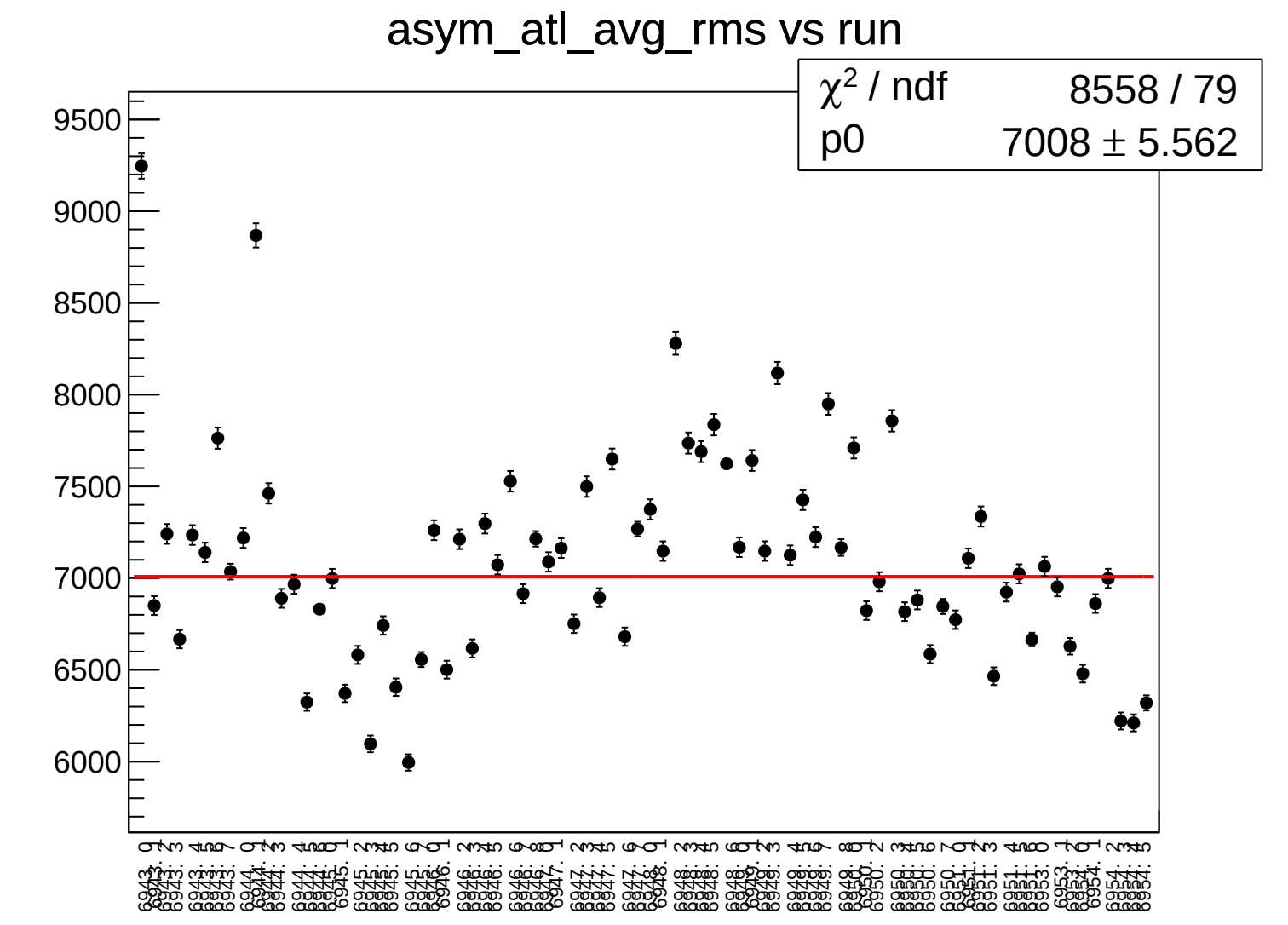

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 95 / 79
p0 1723 ± 7604
pull
Entries 80
Mean 625.7
Std Dev 579.5

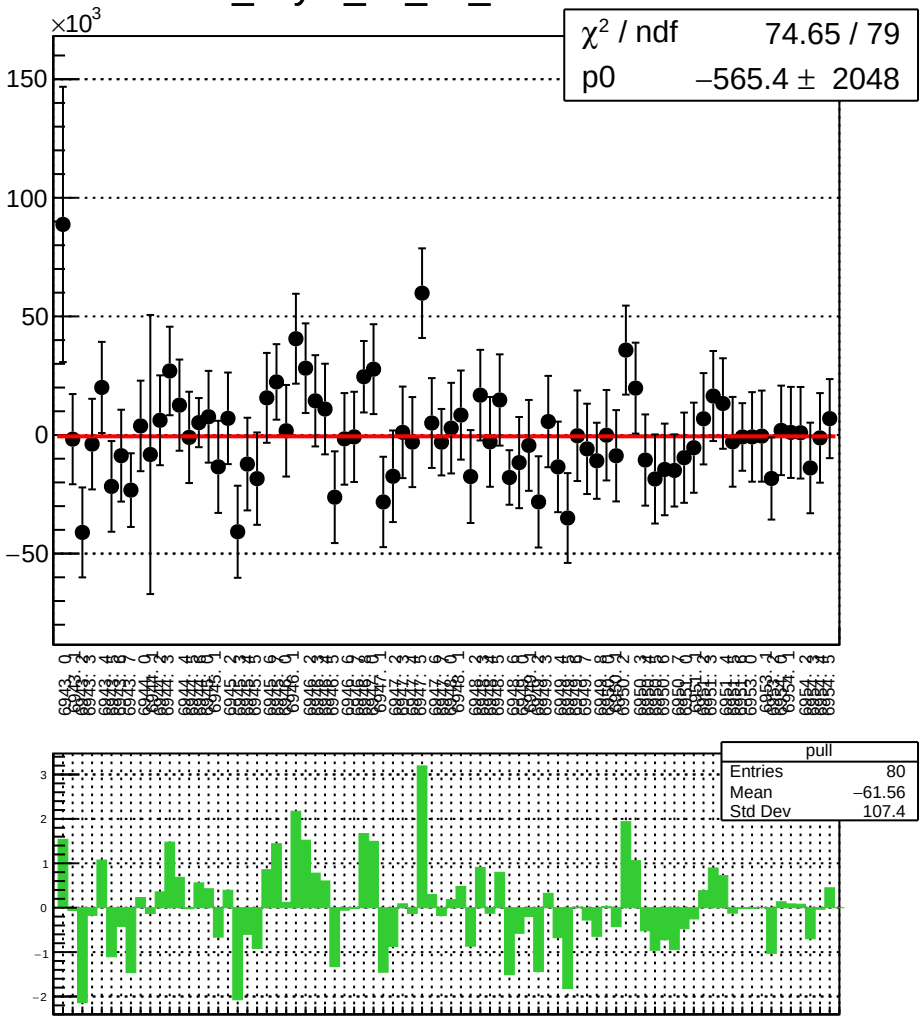

pull1D
Entries 80
Mean 0.00286
Std Dev 1.09

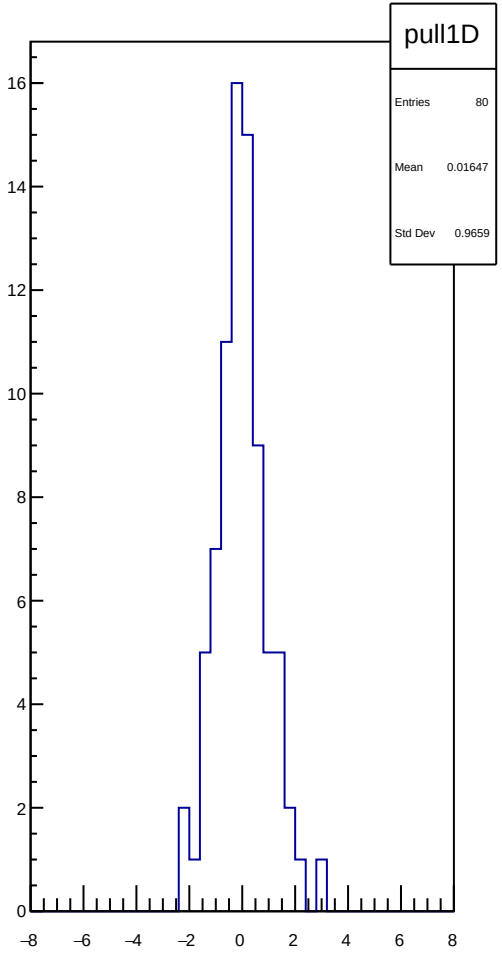

asym_atl_avg_correction_rms vs run
χ² / ndf 7696 / 79
p0 6776 ± 5.377
8000
7500
7000
6500
6000
5500

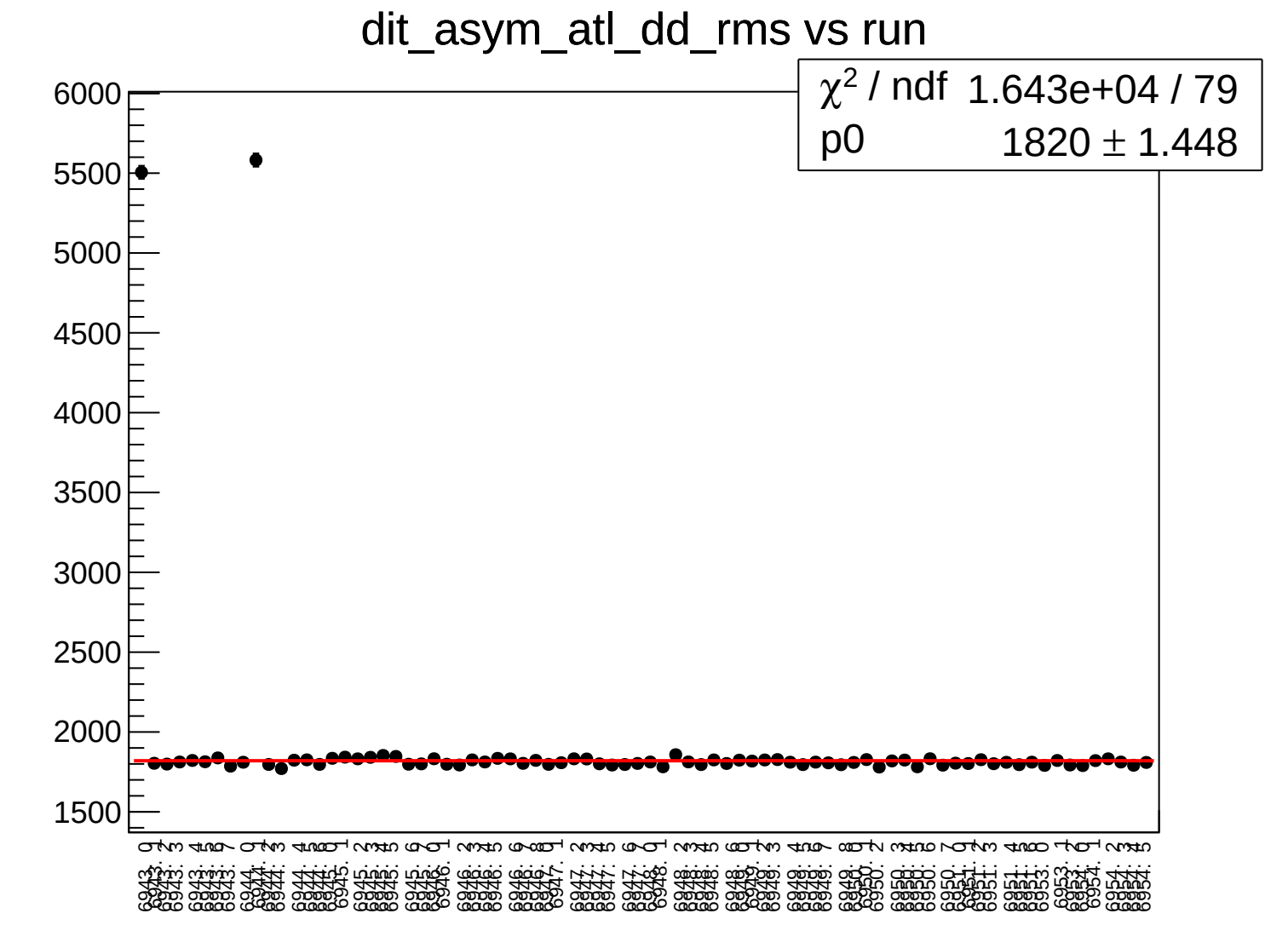

asym_atl_avg_mean vs run
×10^3
χ² / ndf 103.4 / 79
p0 −359.5 ± 7866
pull
Entries 80
Mean 109.2
Std Dev 47.12

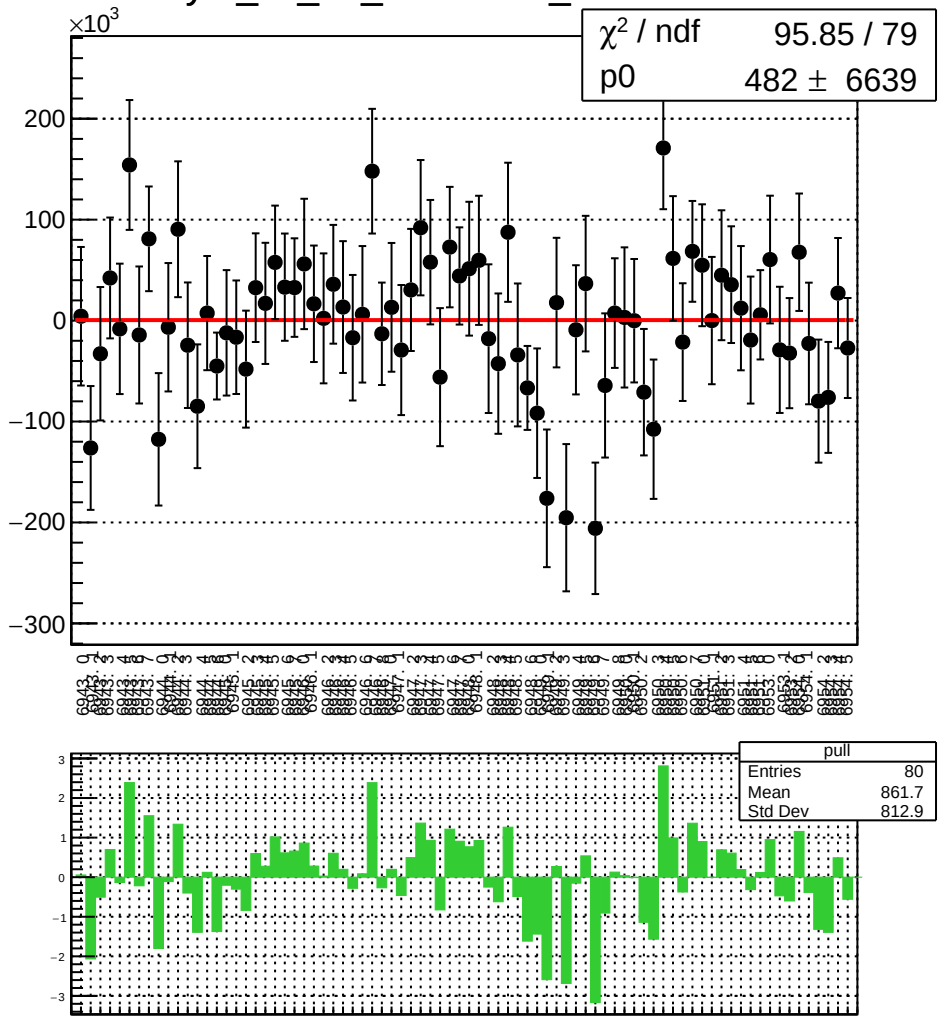

pull1D
Entries 80
Mean −0.009088
Std Dev 1.137

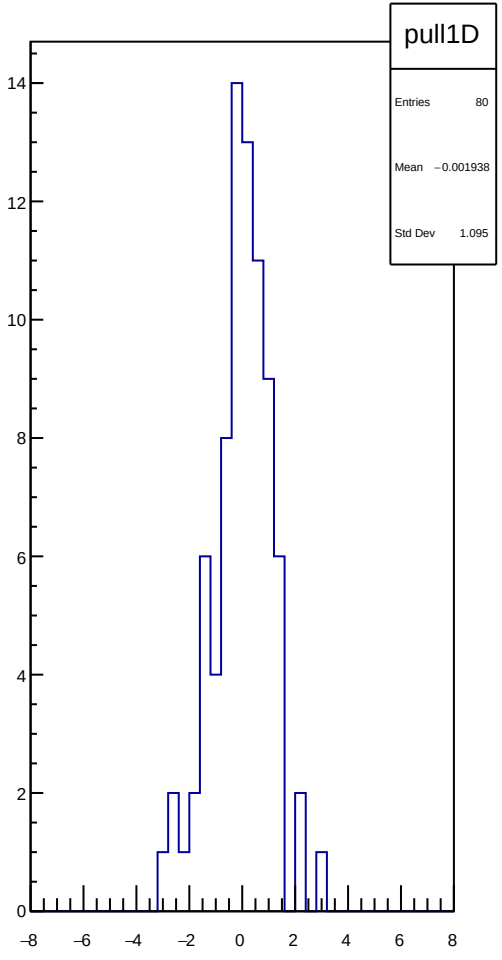

asym_atl_avg_rms vs run
χ² / ndf 8558 / 79
p0 7008 ± 5.562
9500
9000
8500
8000
7500
7000
6500
6000

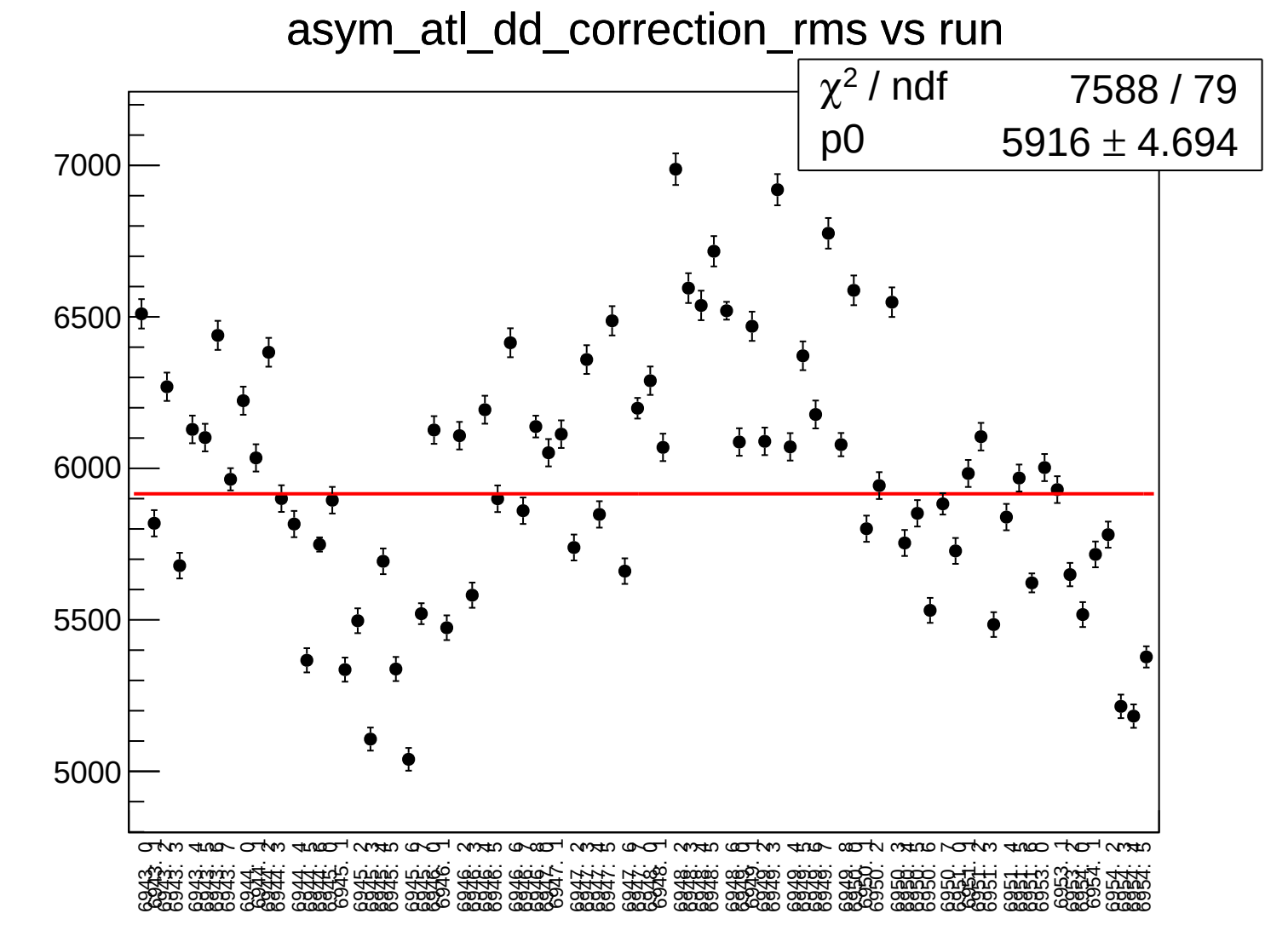

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 74.65 / 79
p0 −565.4 ± 2048
150
100
50
0
−50
pull
Entries 80
Mean −61.56
Std Dev 107.4
3
2
1
0
−1
−2

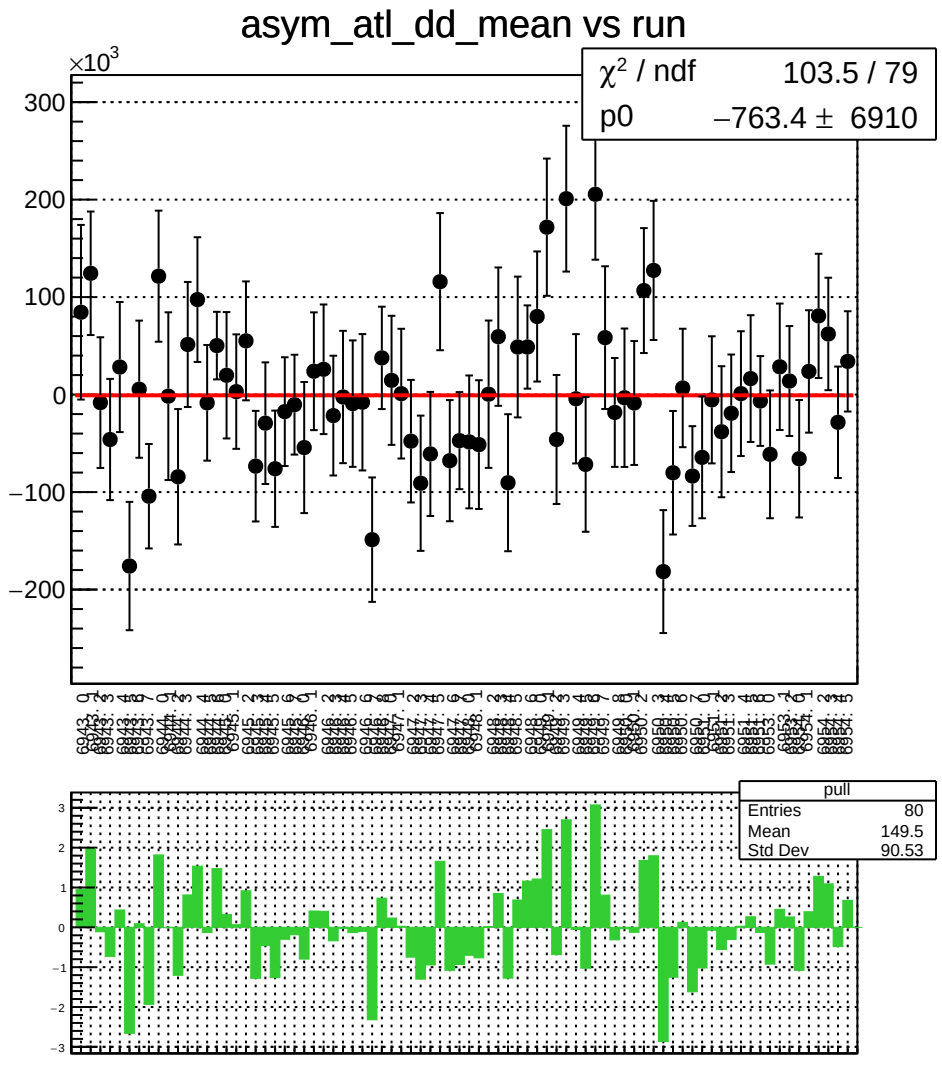

pull1D
Entries 80
Mean 0.01647
Std Dev 0.9659
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

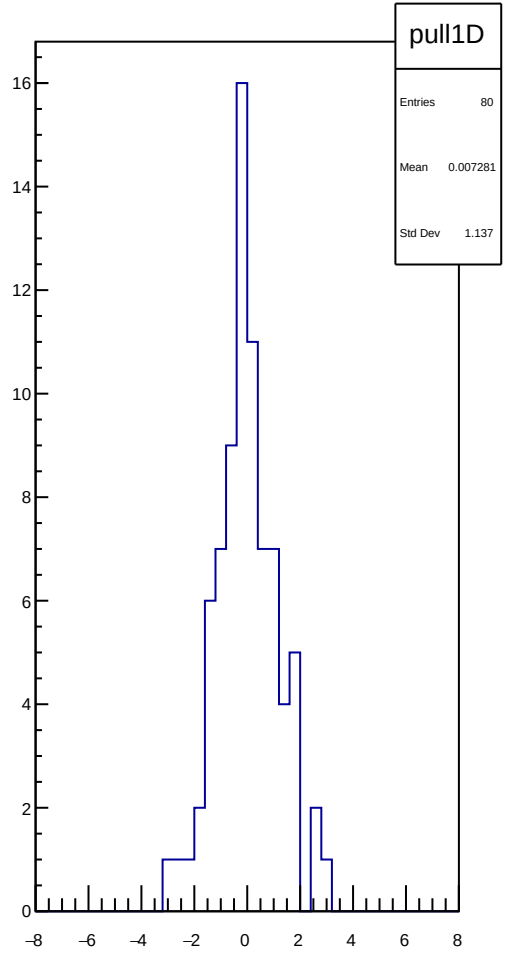

dit_asym_atl_dd_rms vs run
χ² / ndf 1.643e+04 / 79
p0 1820 ± 1.448
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

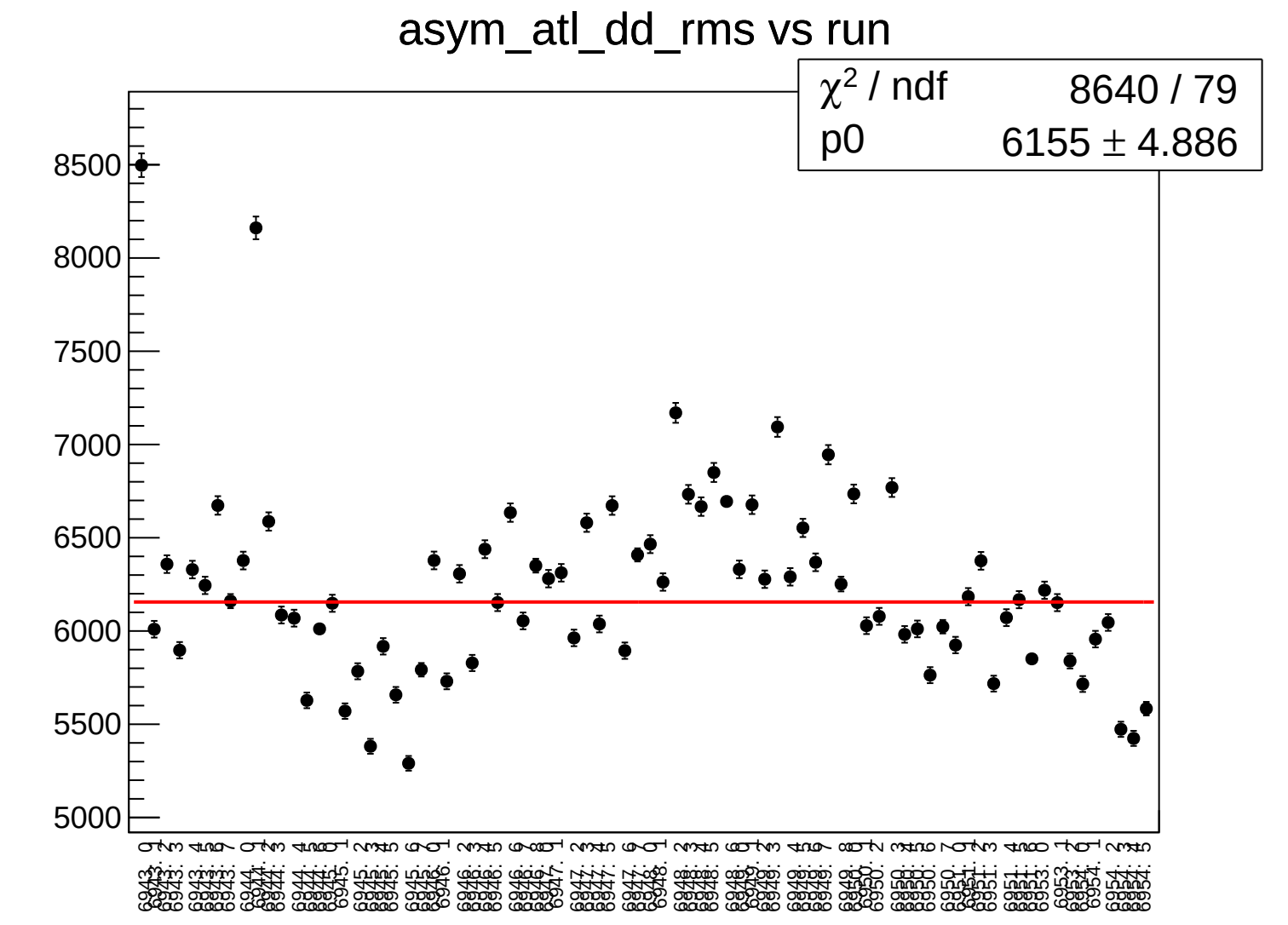

asym_atl_dd_correction_mean vs run
χ² / ndf 95.85 / 79
p0 482 ± 6639
pull
Entries 80
Mean 861.7
Std Dev 812.9

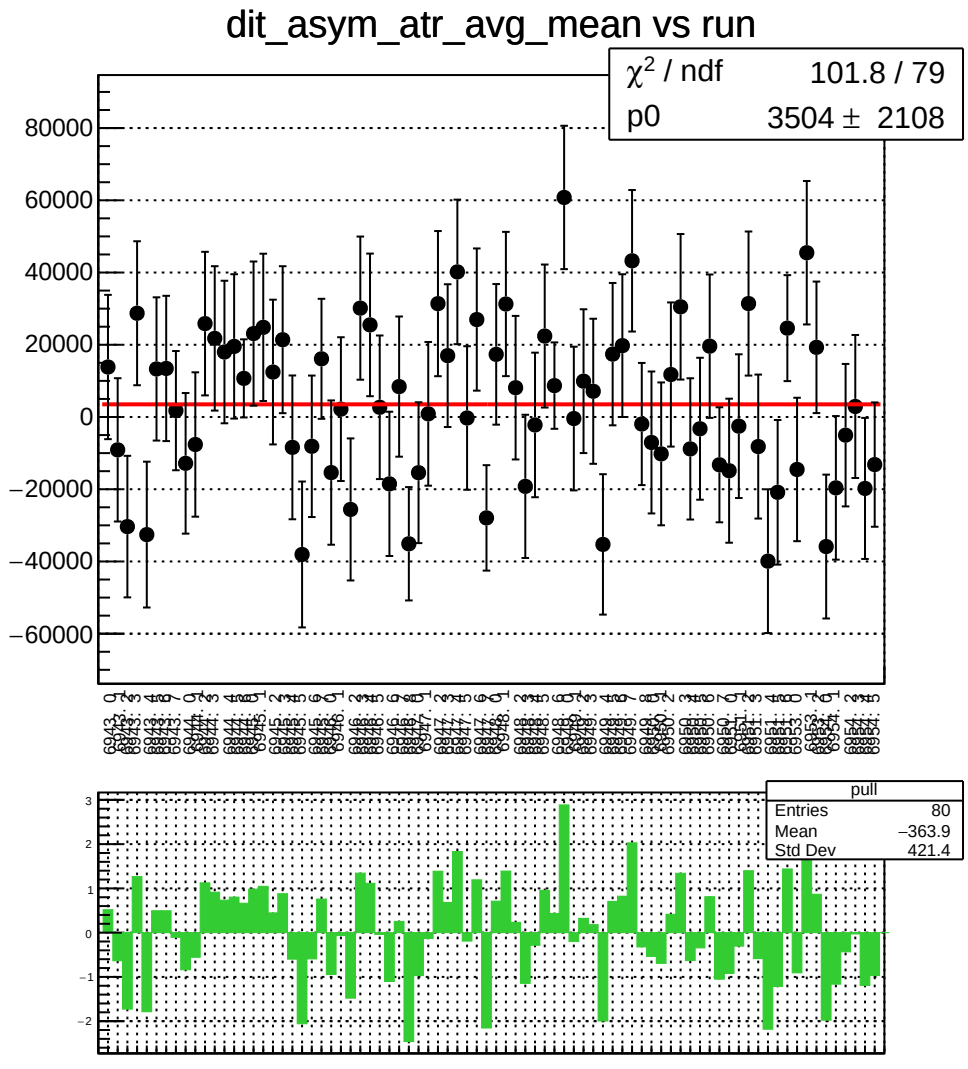

pull1D
Entries 80
Mean −0.001938
Std Dev 1.095

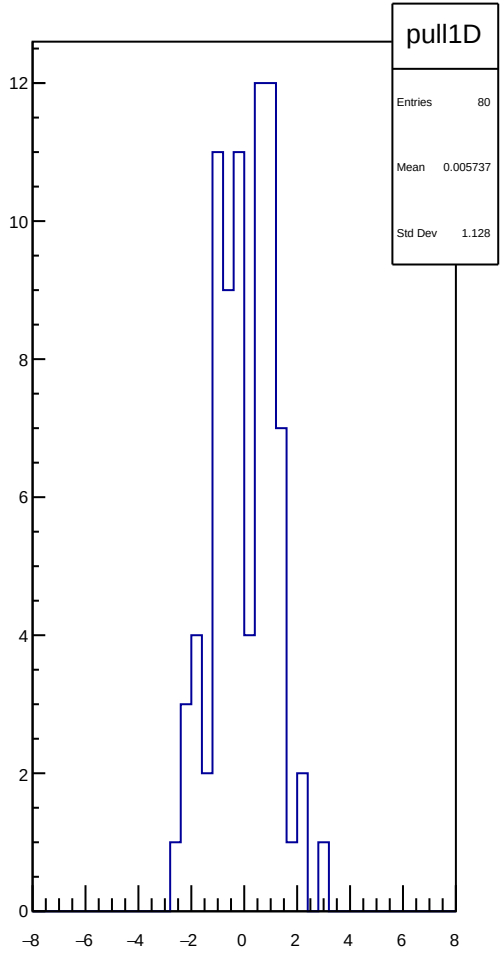

asym_atl_dd_correction_rms vs run
χ² / ndf 7588 / 79
p0 5916 ± 4.694
7000
6500
6000
5500
5000

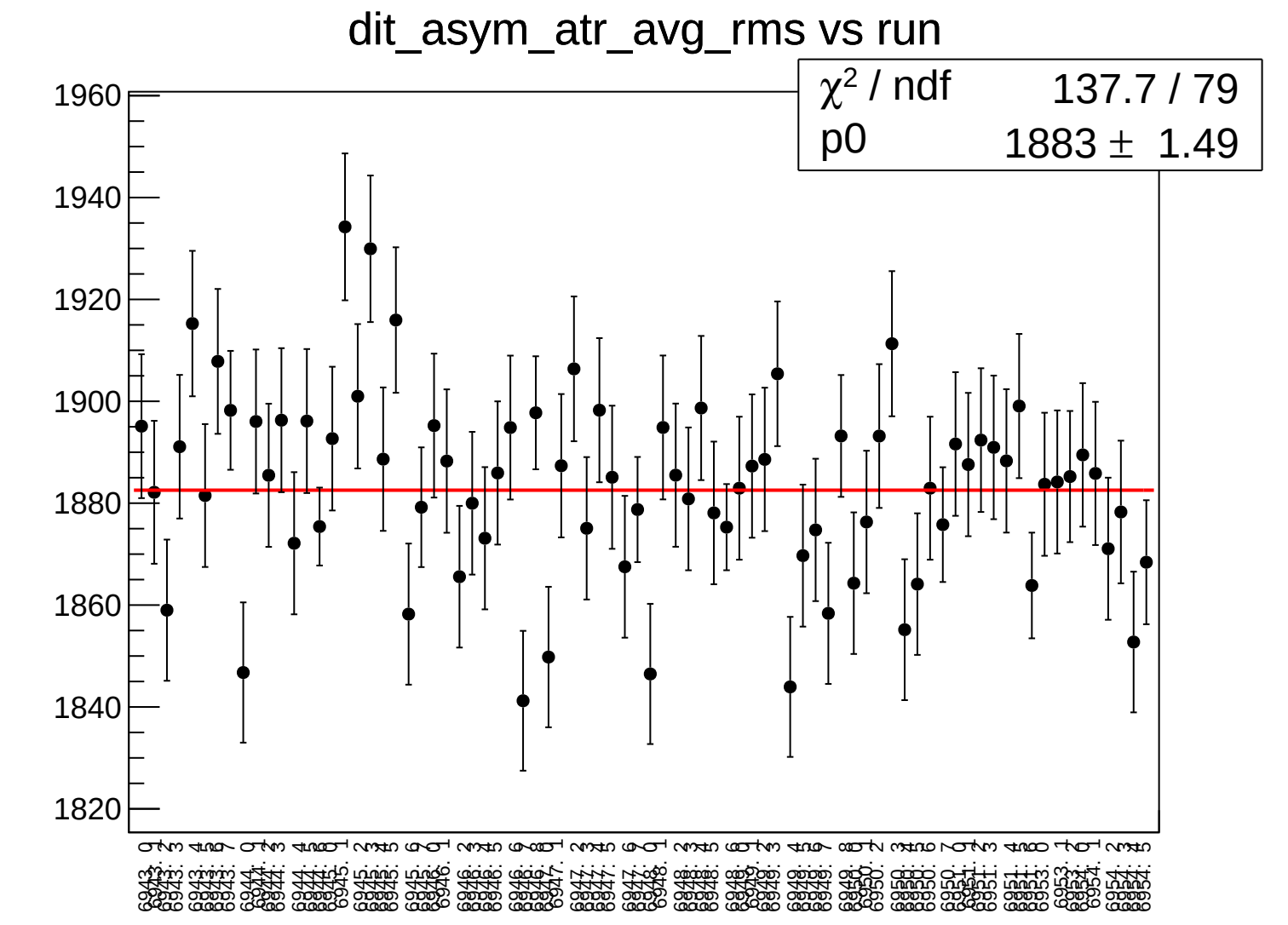

asym_atl_dd_mean vs run
×10^3
χ² / ndf 103.5 / 79
p0 −763.4 ± 6910
300
200
100
0
−100
−200
pull
Entries 80
Mean 149.5
Std Dev 90.53
3
2
1
0
−1
−2
−3

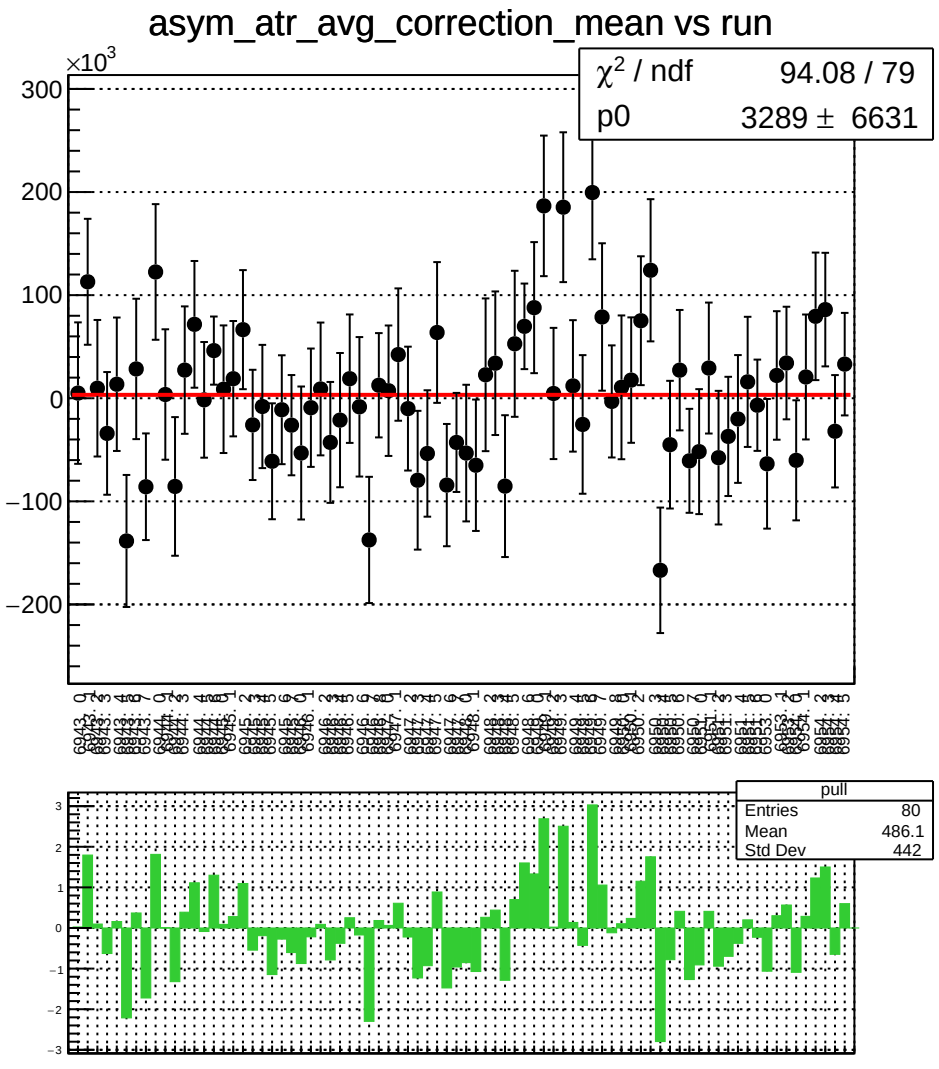

pull1D
Entries 80
Mean 0.007281
Std Dev 1.137
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

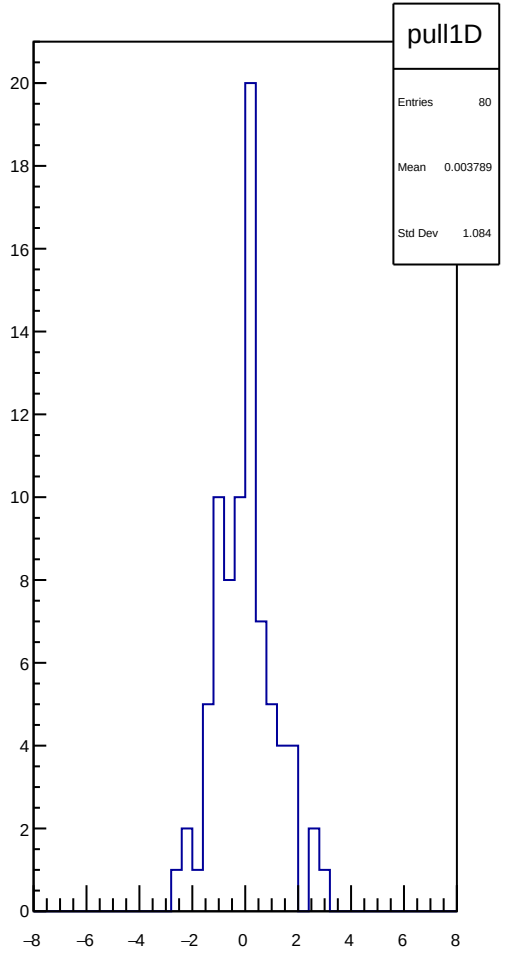

asym_atl_dd_rms vs run
χ^2 / ndf 8640 / 79
p0 6155 ± 4.886
8500
8000
7500
7000
6500
6000
5500
5000

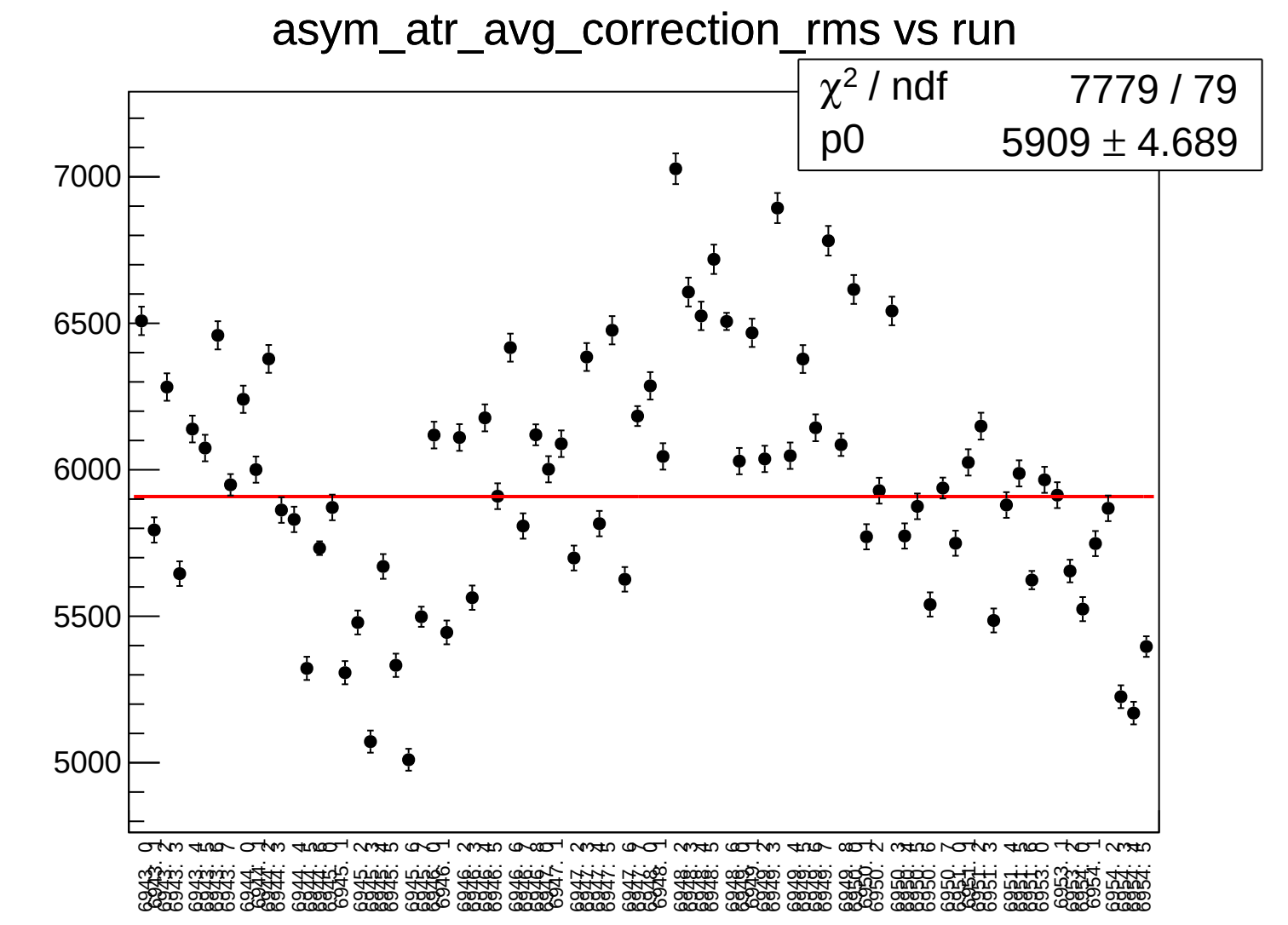

dit_asym_atr_avg_mean vs run
χ² / ndf 101.8 / 79
p0 3504 ± 2108
pull
Entries 80
Mean −363.9
Std Dev 421.4

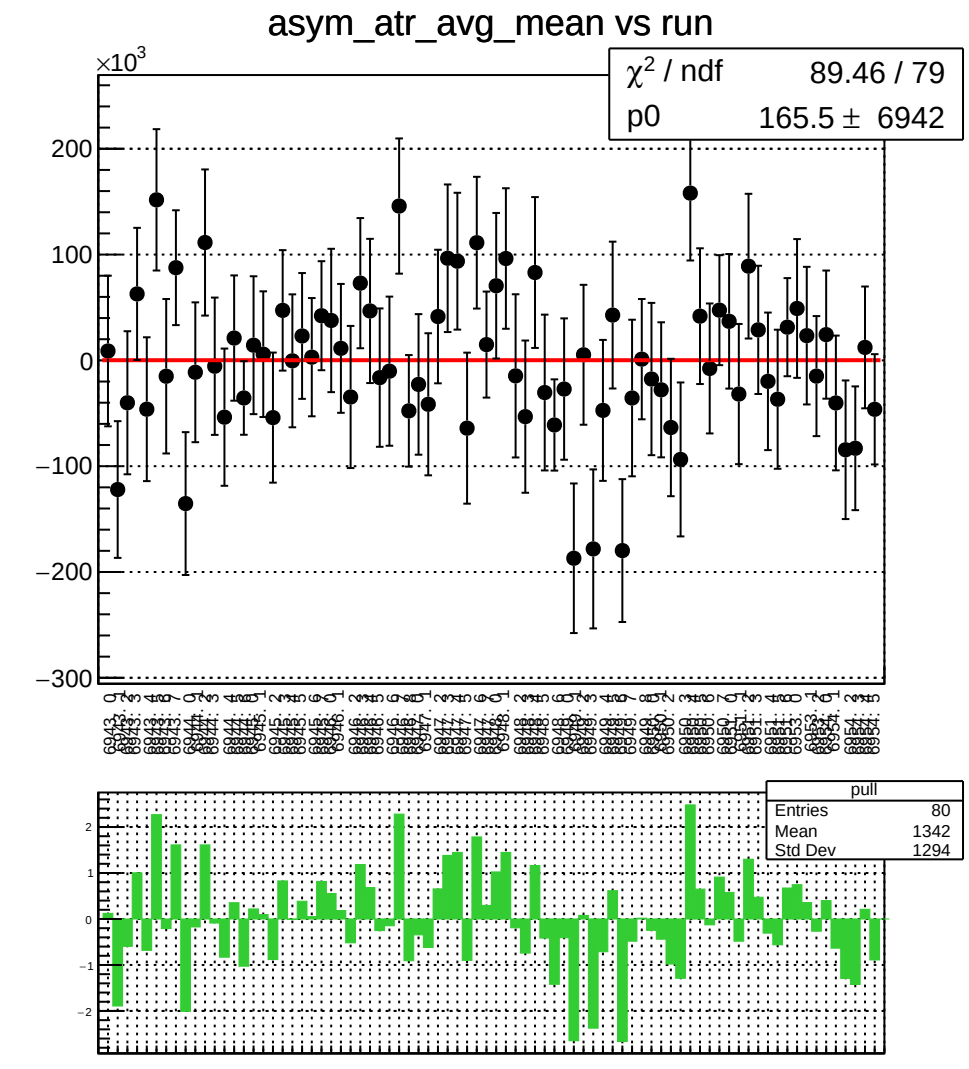

pull1D
Entries 80
Mean 0.005737
Std Dev 1.128

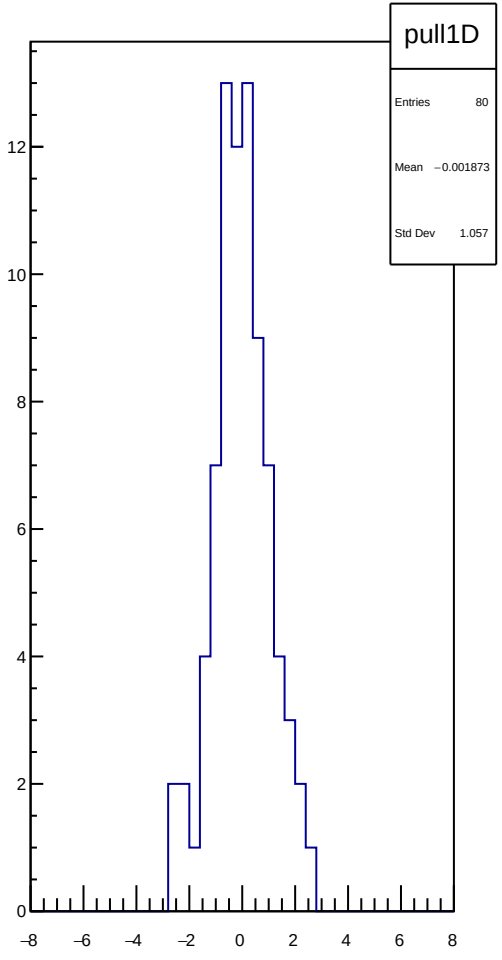

dit_asym_atr_avg_rms vs run
χ² / ndf 137.7 / 79
p0 1883 ± 1.49
1960
1940
1920
1900
1880
1860
1840
1820

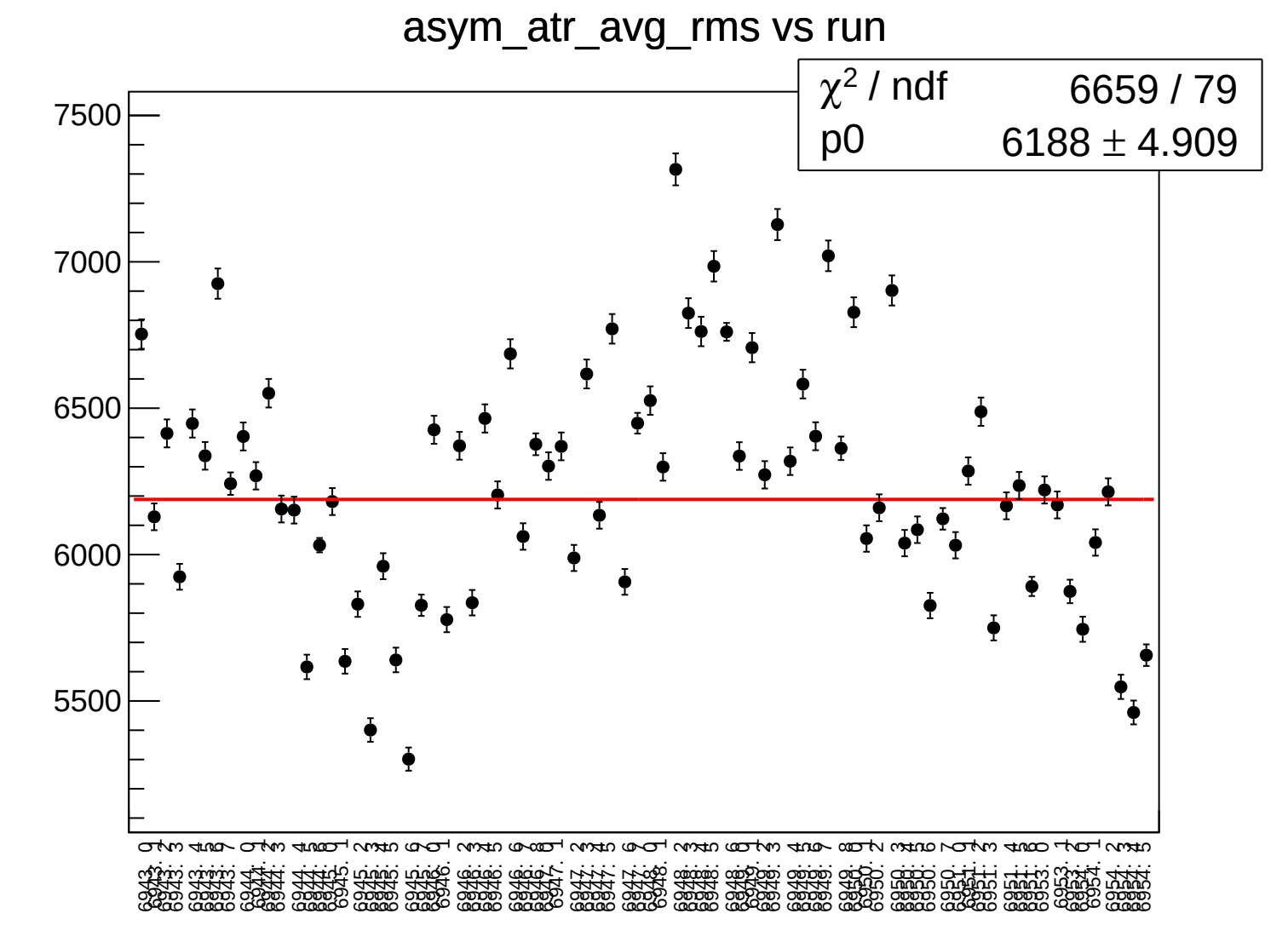

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 94.08 / 79
p0 3289 ± 6631
pull
Entries 80
Mean 486.1
Std Dev 442

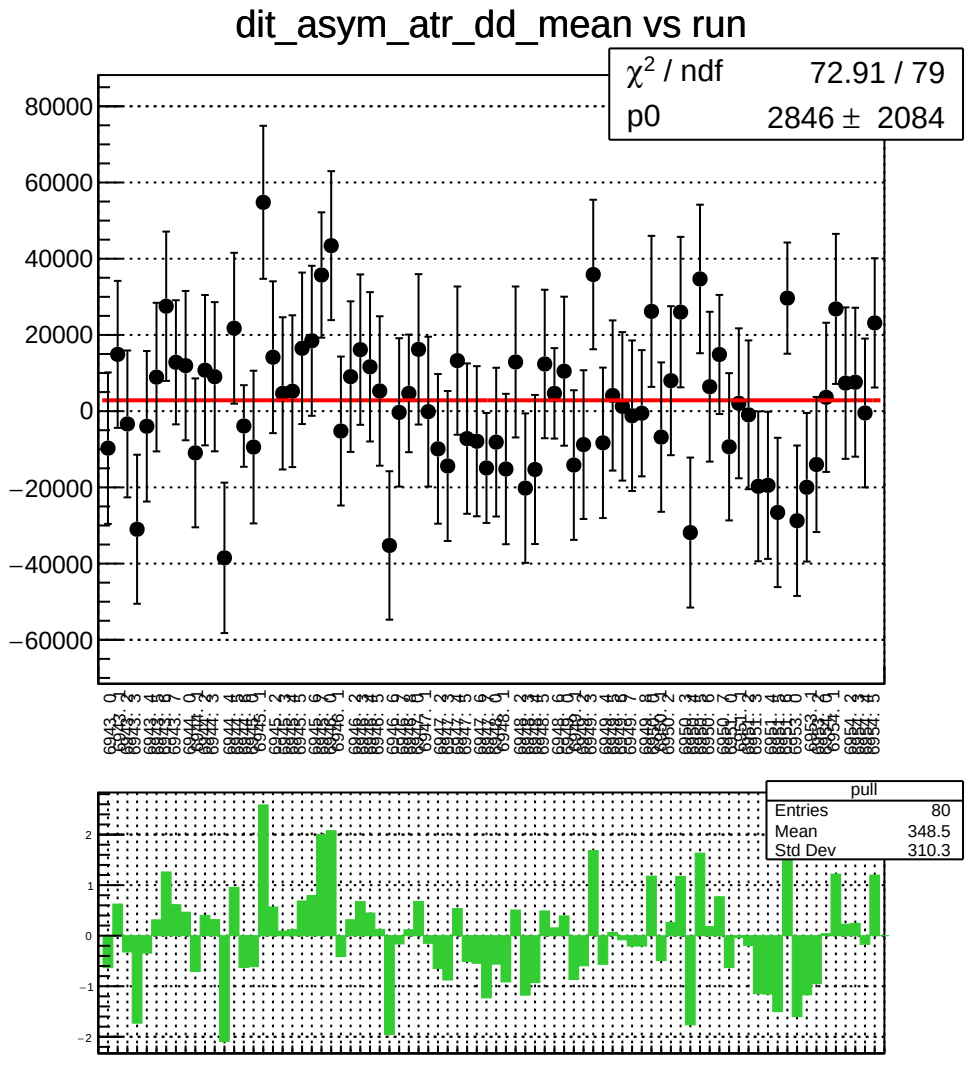

pull1D
Entries 80
Mean 0.003789
Std Dev 1.084

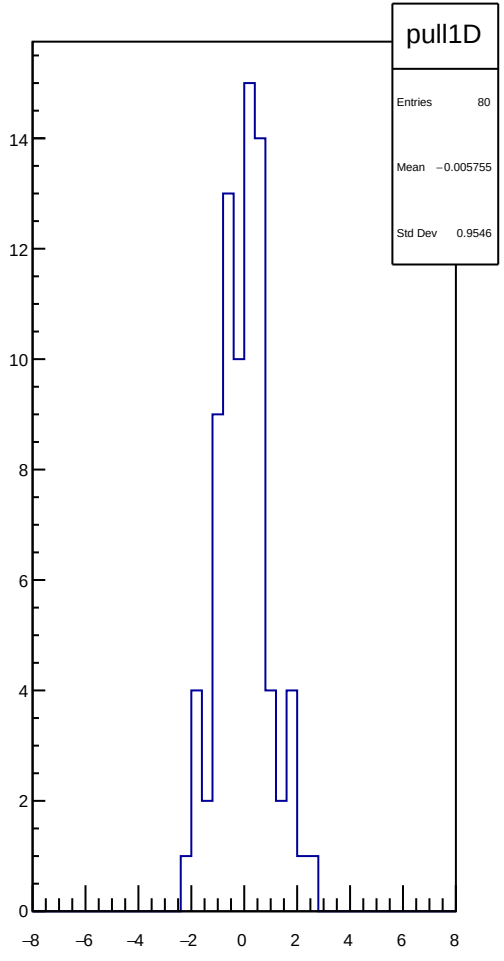

asym_atr_avg_correction_rms vs run
χ^2 / ndf 7779 / 79
p0 5909 ± 4.689
7000
6500
6000
5500
5000

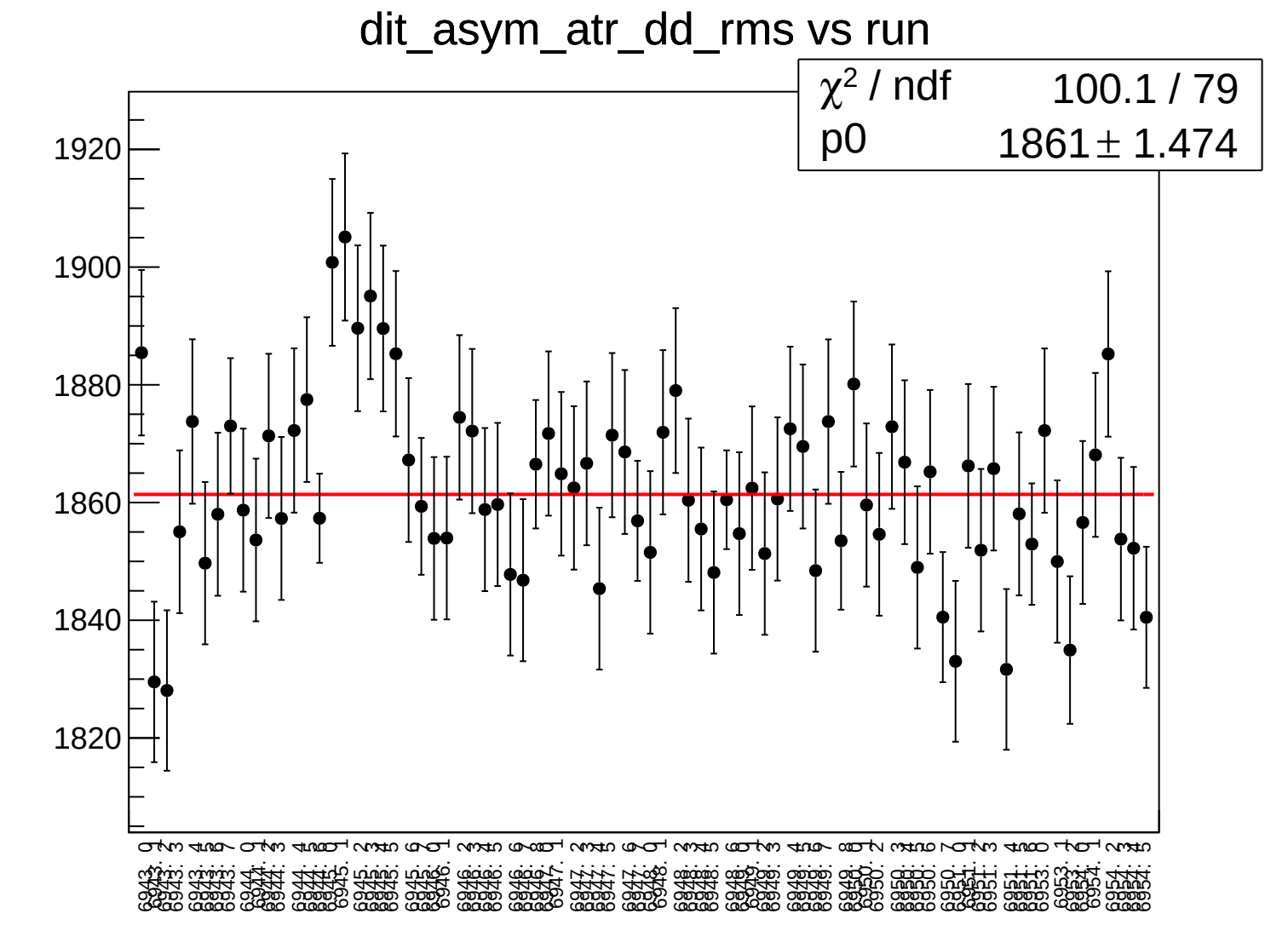

asym_atr_avg_mean vs run
×10^3
χ² / ndf 89.46 / 79
p0 165.5 ± 6942
200
100
0
−100
−200
−300
pull
Entries 80
Mean 1342
Std Dev 1294
2
1
0
−1
−2

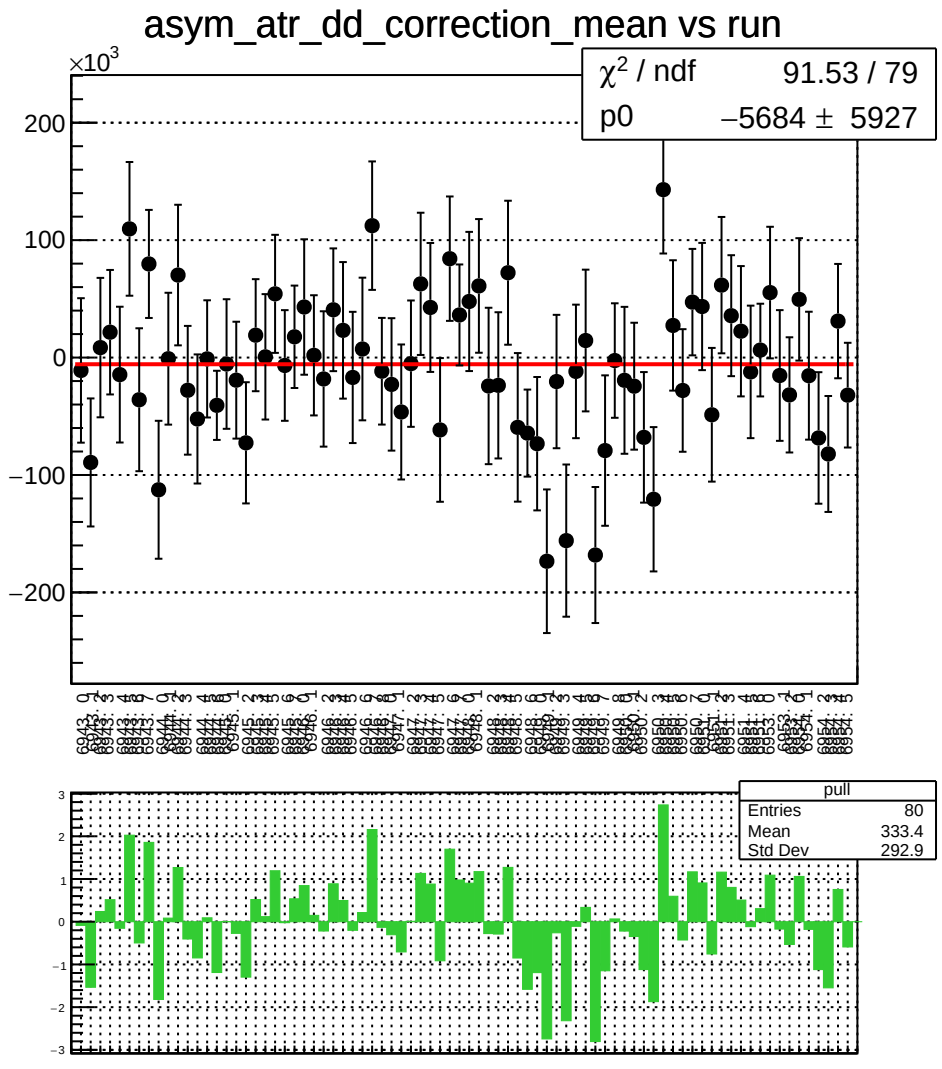

pull1D
Entries 80
Mean −0.001873
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

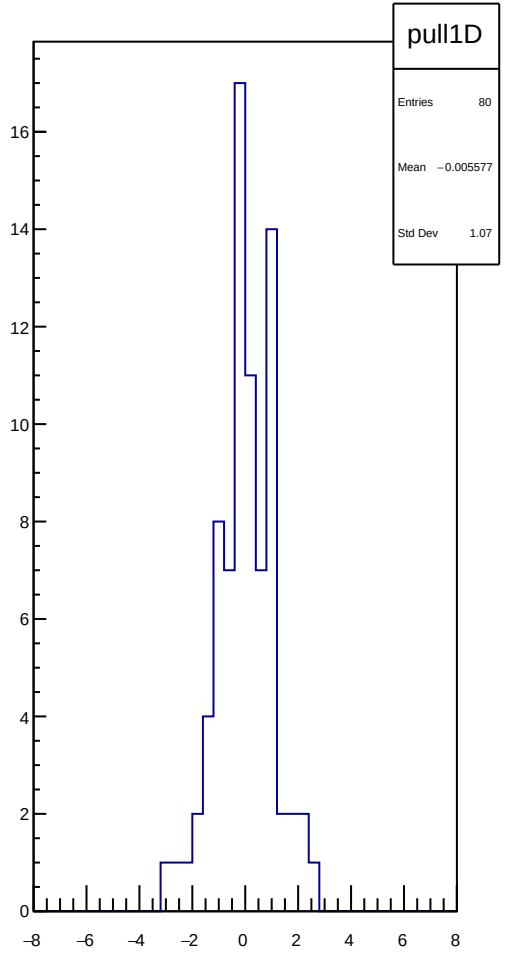

asym_atr_avg_rms vs run
χ^2 / ndf 6659 / 79
p0 6188 ± 4.909
7500
7000
6500
6000
5500

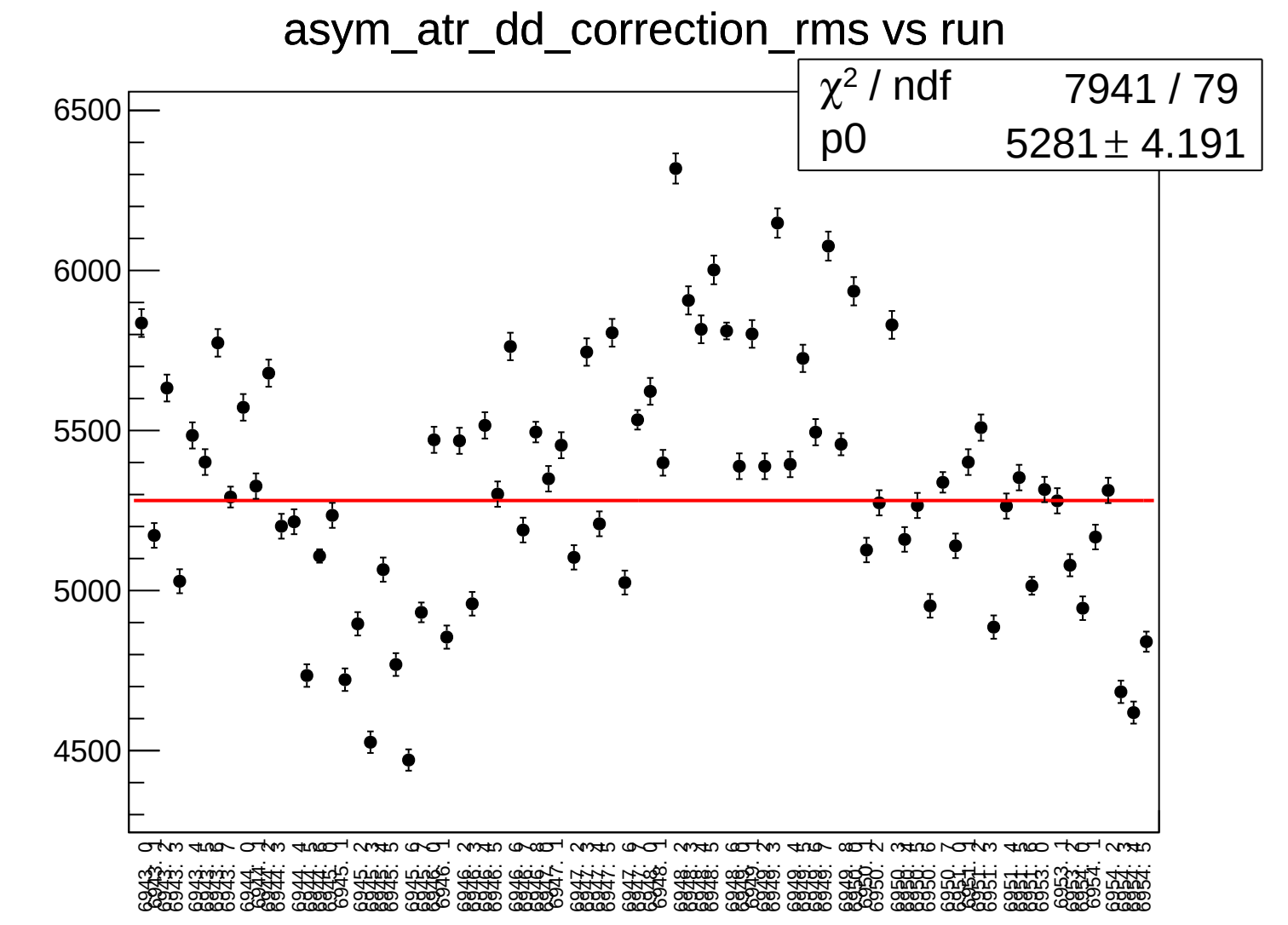

dit_asym_atr_dd_mean vs run
χ² / ndf 72.91 / 79
p0 2846 ± 2084
pull
Entries 80
Mean 348.5
Std Dev 310.3

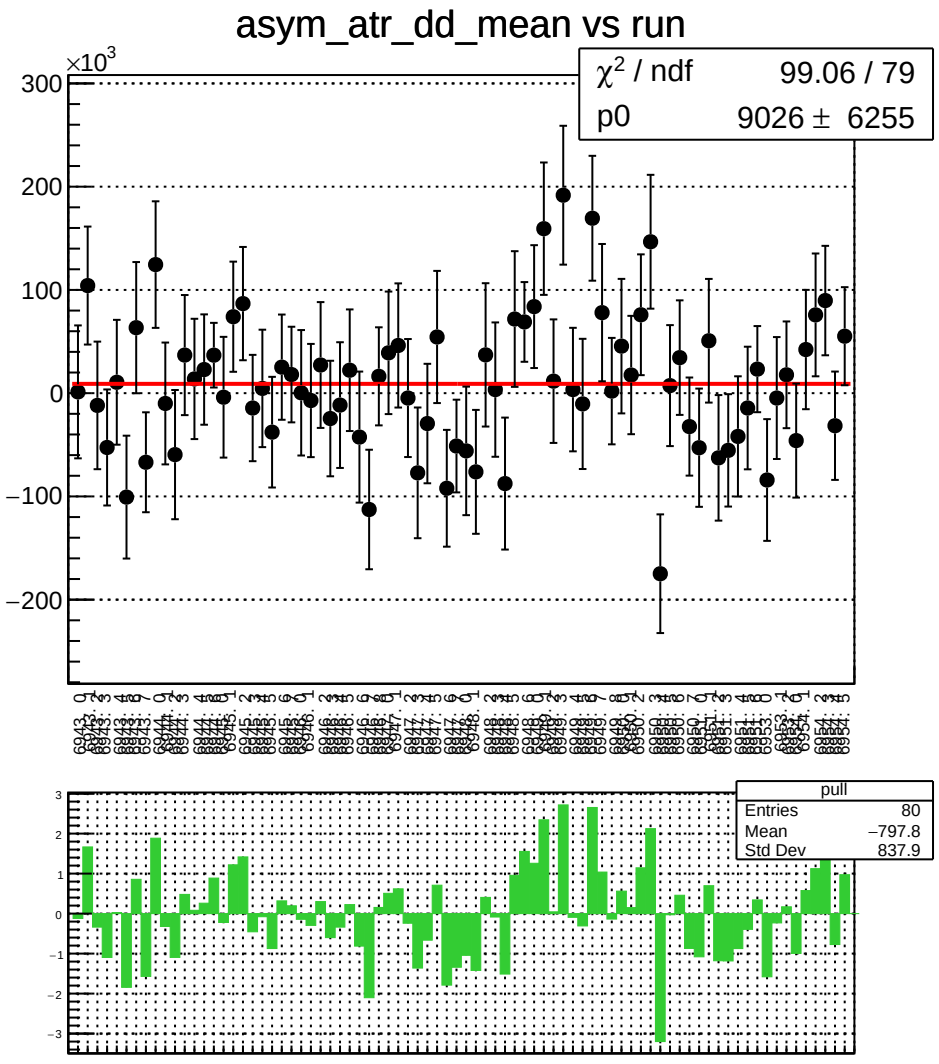

pull1D
Entries 80
Mean −0.005755
Std Dev 0.9546

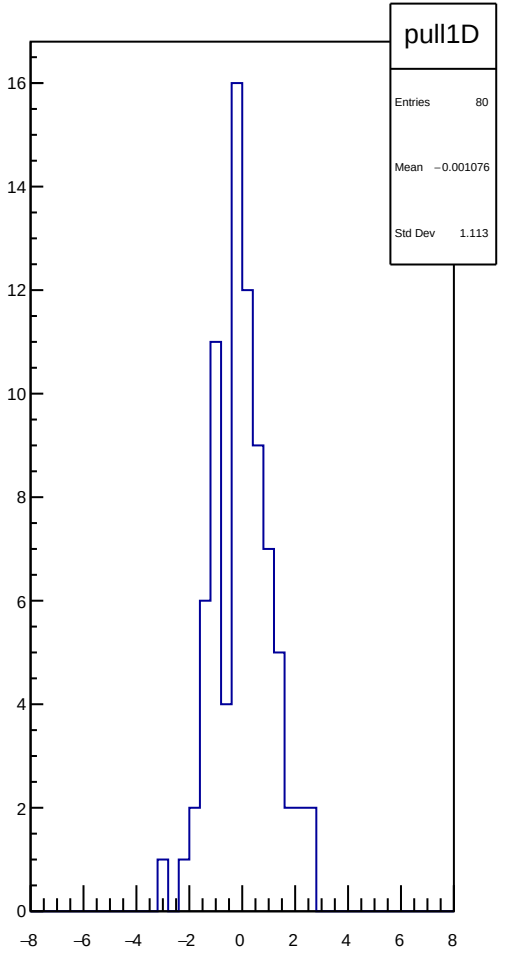

dit_asym_atr_dd_rms vs run
χ^2 / ndf 100.1 / 79
p0 1861 ± 1.474
1920
1900
1880
1860
1840
1820

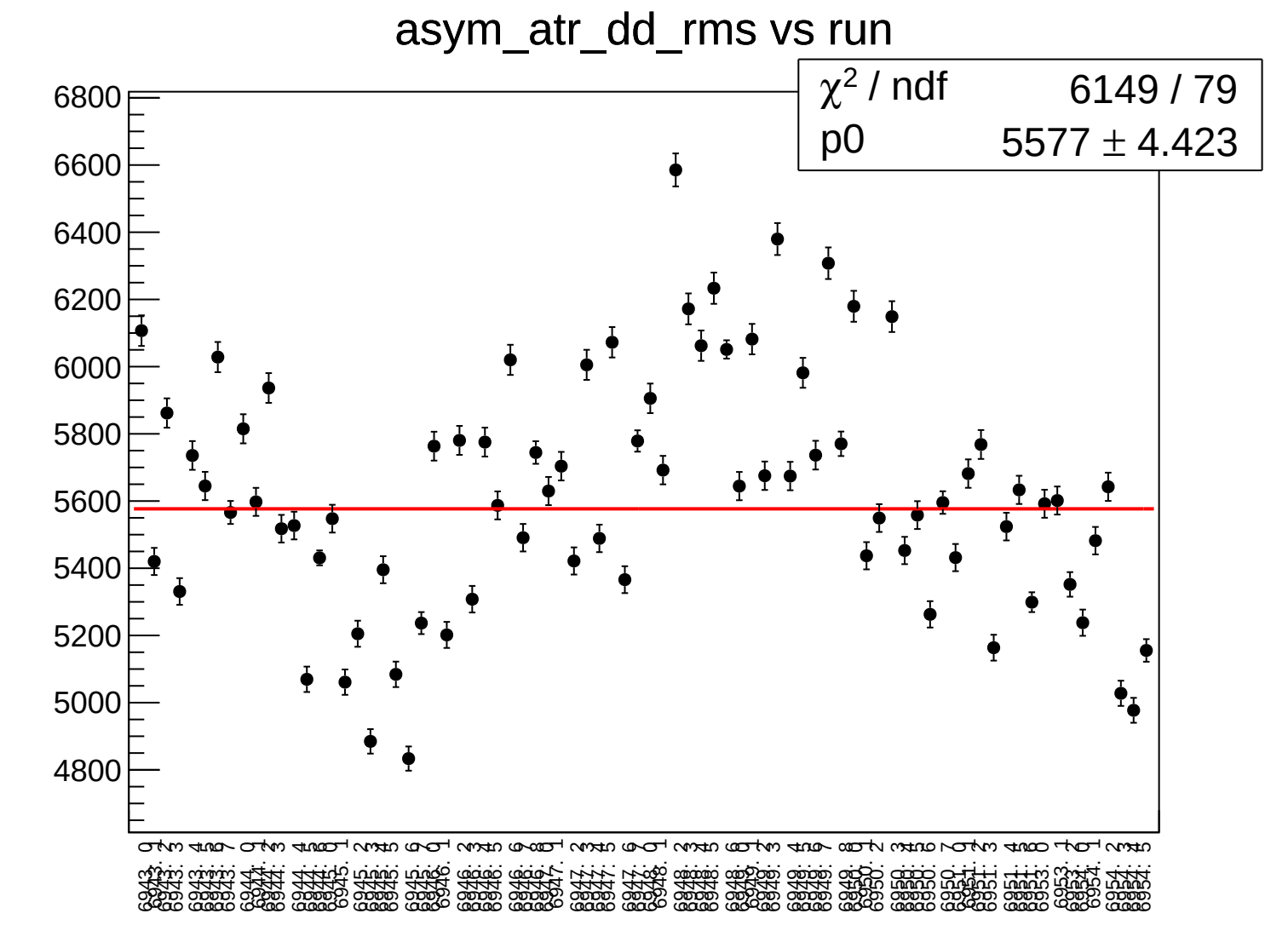

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 91.53 / 79
p0 −5684 ± 5927
200
100
0
−100
−200
pull
Entries 80
Mean 333.4
Std Dev 292.9
3
2
1
0
−1
−2
−3

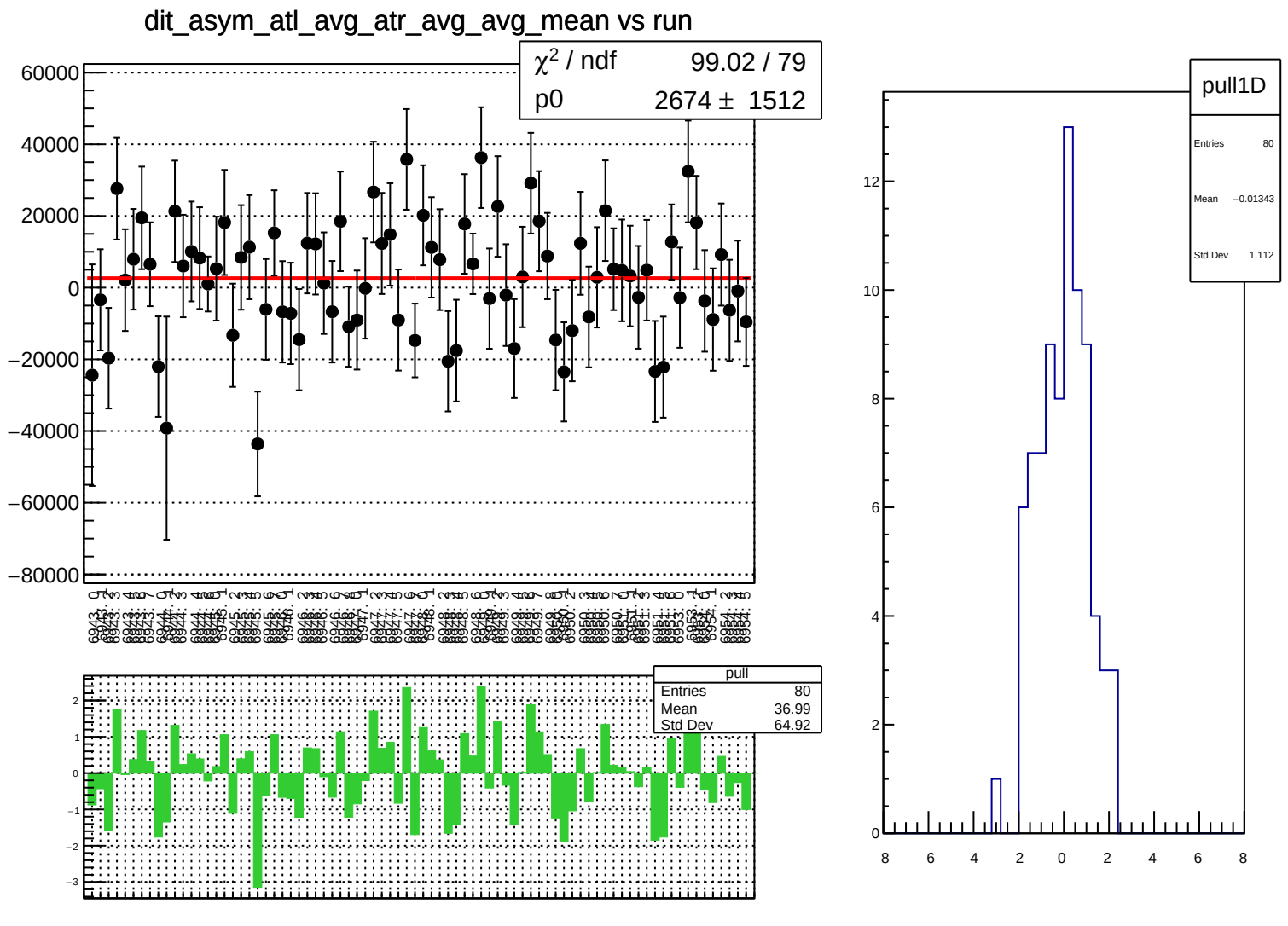

pull1D
Entries 80
Mean −0.005577
Std Dev 1.07
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

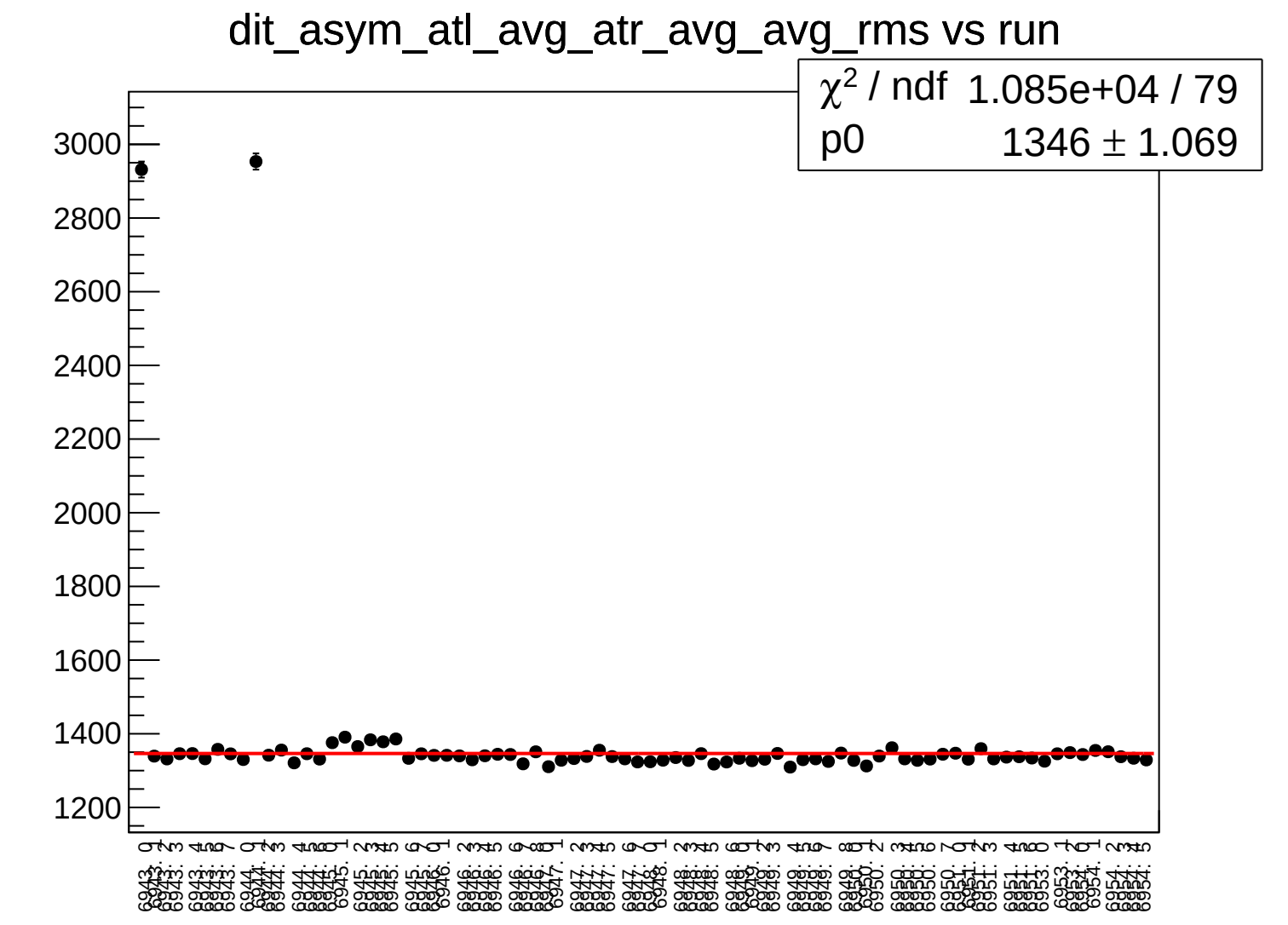

asym_atr_dd_correction_rms vs run
χ² / ndf 7941 / 79
p0 5281 ± 4.191
6500
6000
5500
5000
4500

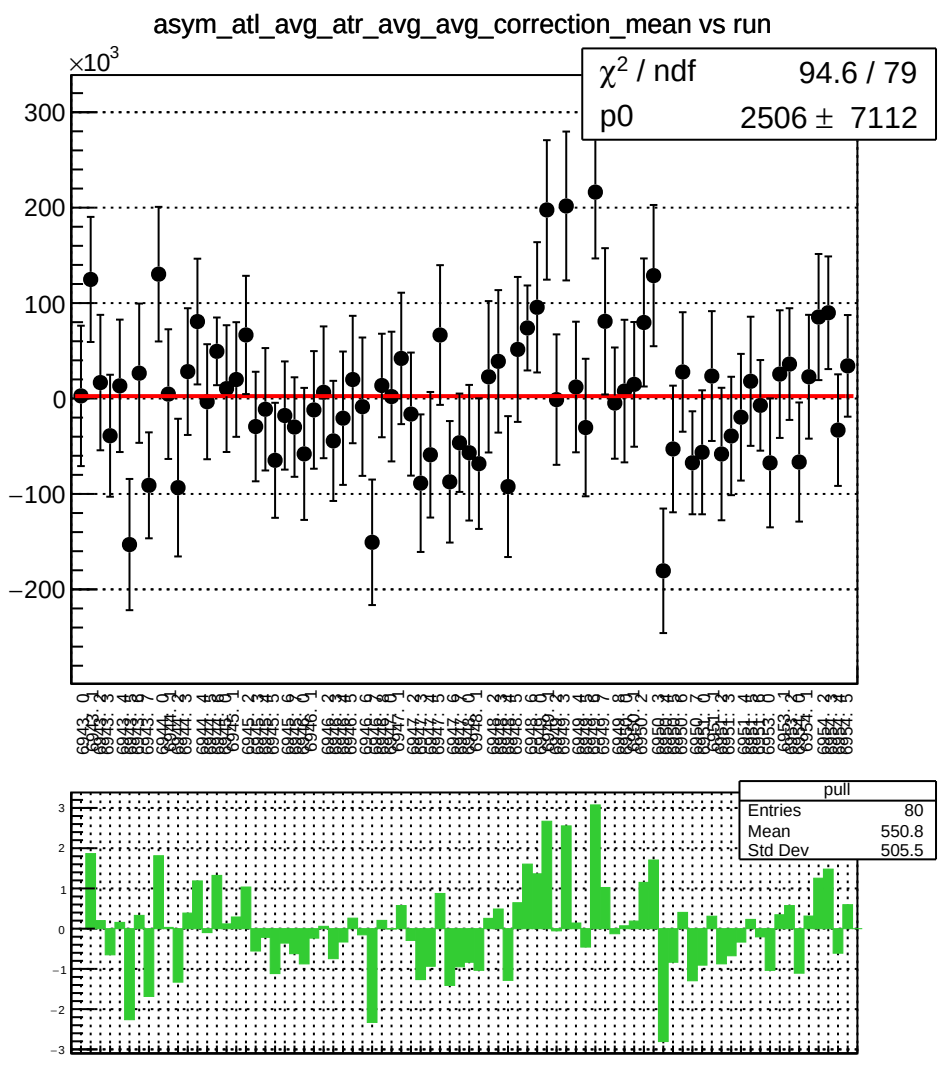

asym_atr_dd_mean vs run
×10^3
χ² / ndf 99.06 / 79
p0 9026 ± 6255
300
200
100
0
−100
−200
pull
Entries 80
Mean −797.8
Std Dev 837.9
3
2
1
0
−1
−2
−3

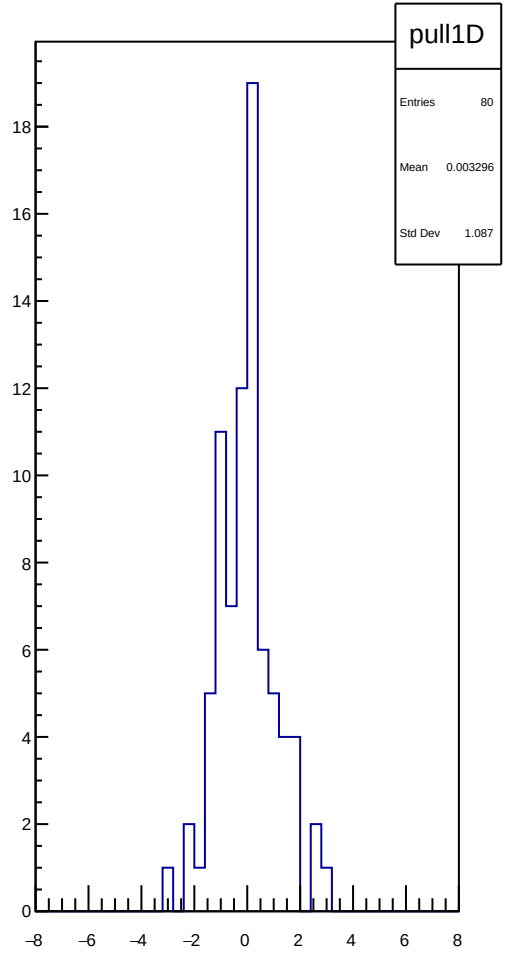

pull1D
Entries 80
Mean −0.001076
Std Dev 1.113
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

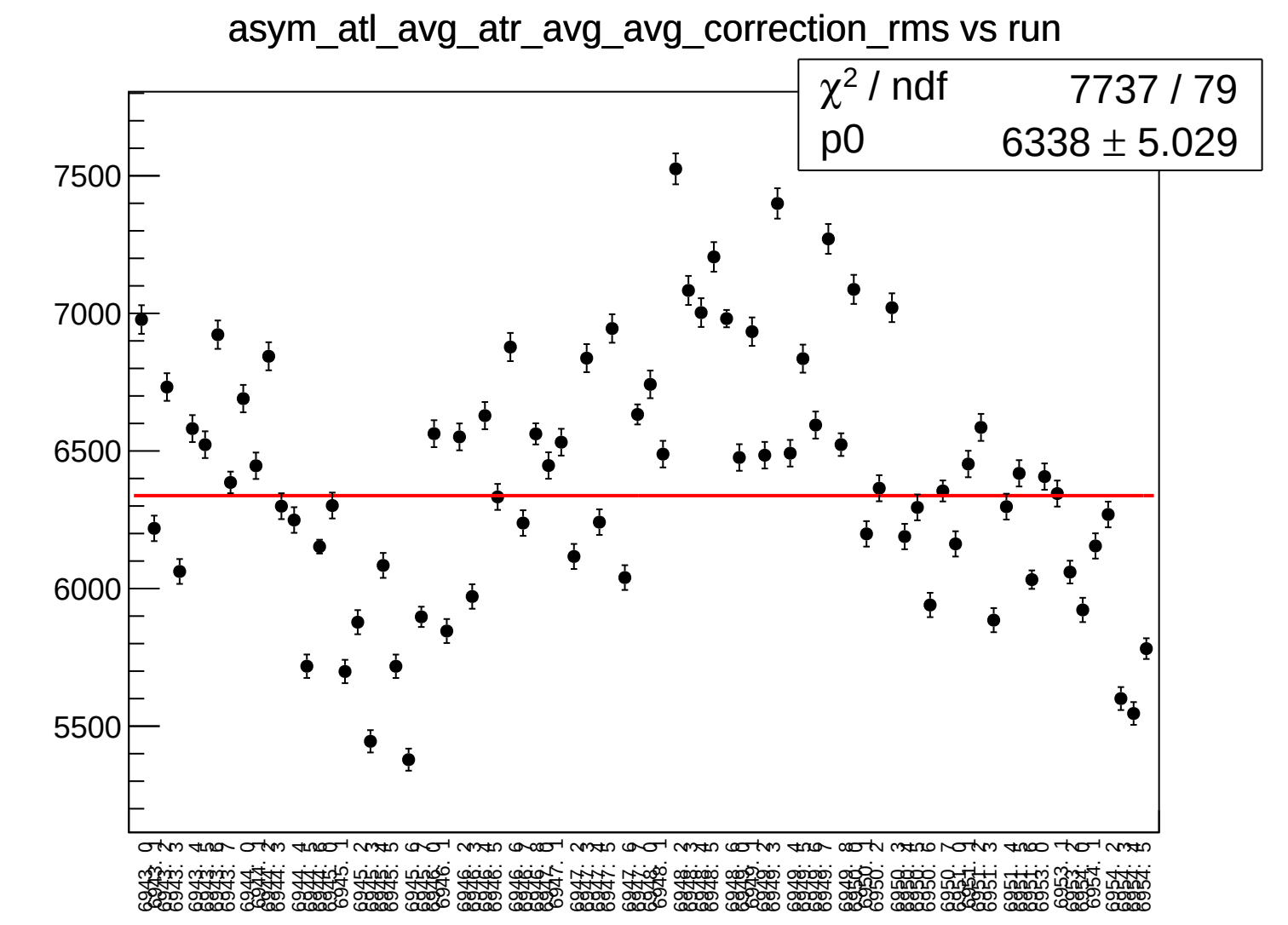

asym_atr_dd_rms vs run
χ^2 / ndf 6149 / 79
p0 5577 ± 4.423
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

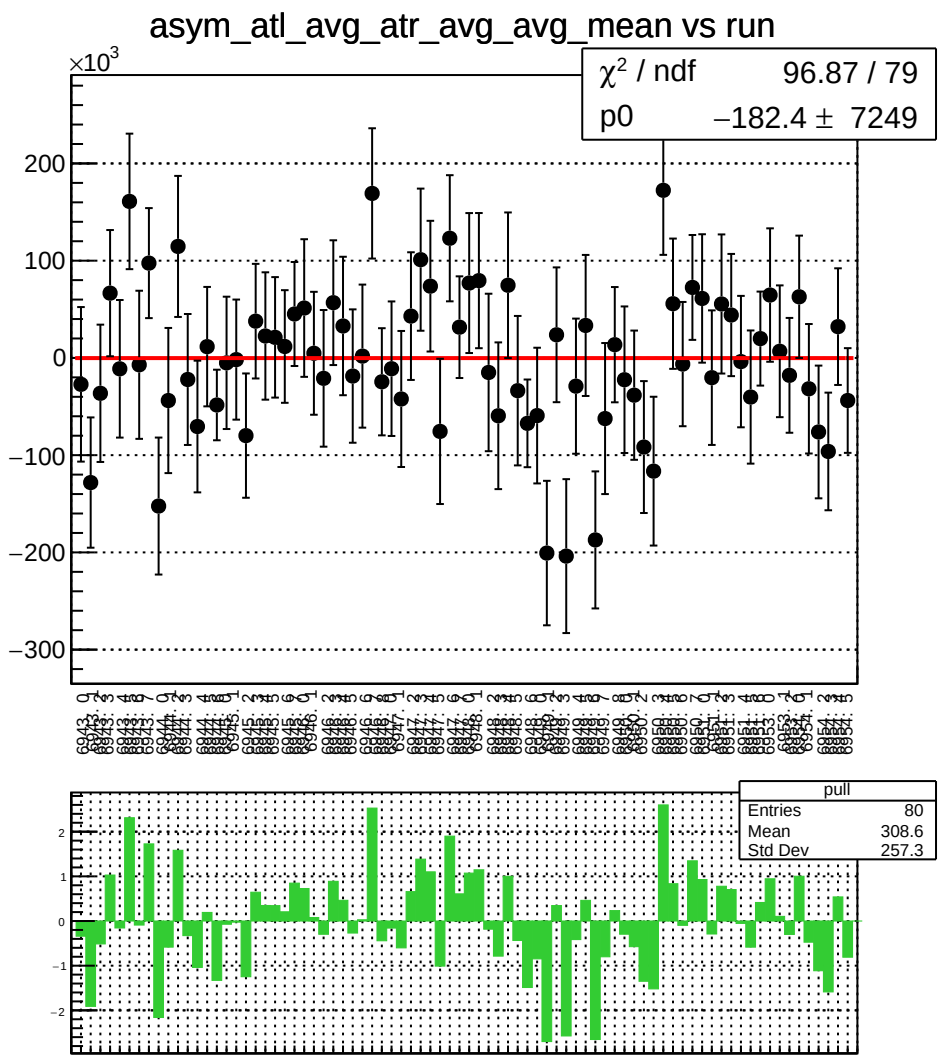

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 99.02 / 79
p0 2674 ± 1512
pull
Entries 80
Mean 36.99
Std Dev 64.92
pull1D
Entries 80
Mean −0.01343
Std Dev 1.112

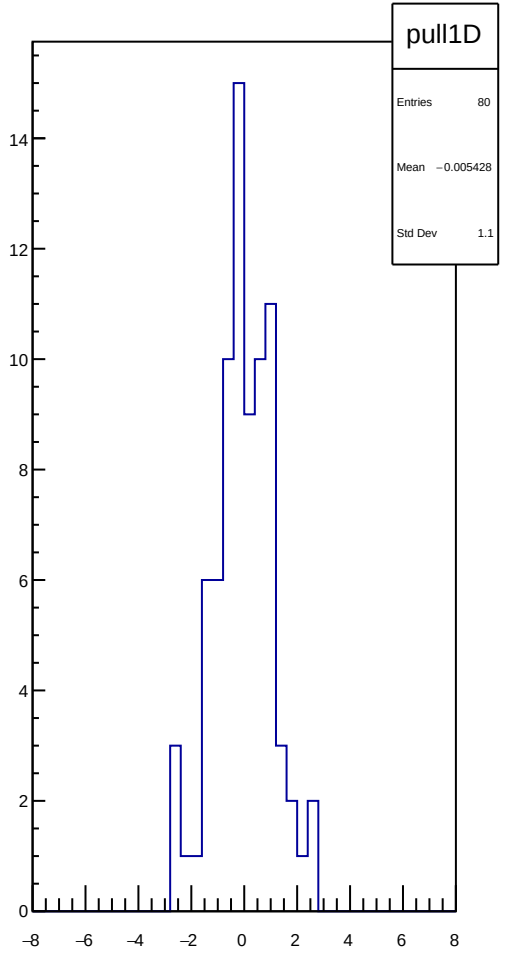

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.085e+04 / 79
p0 1346 ± 1.069
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

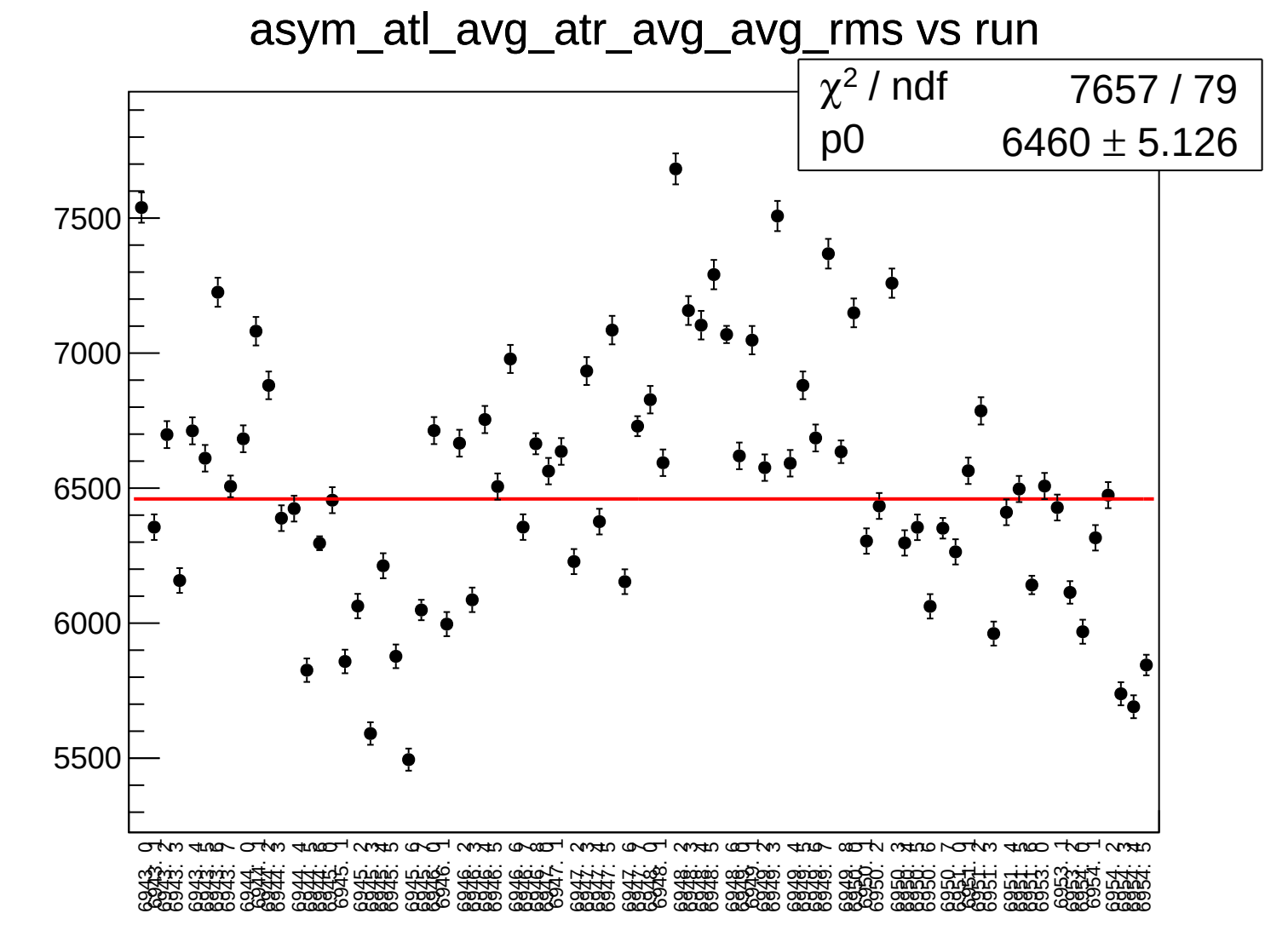

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 94.6 / 79
p0 2506 ± 7112
pull
Entries 80
Mean 550.8
Std Dev 505.5

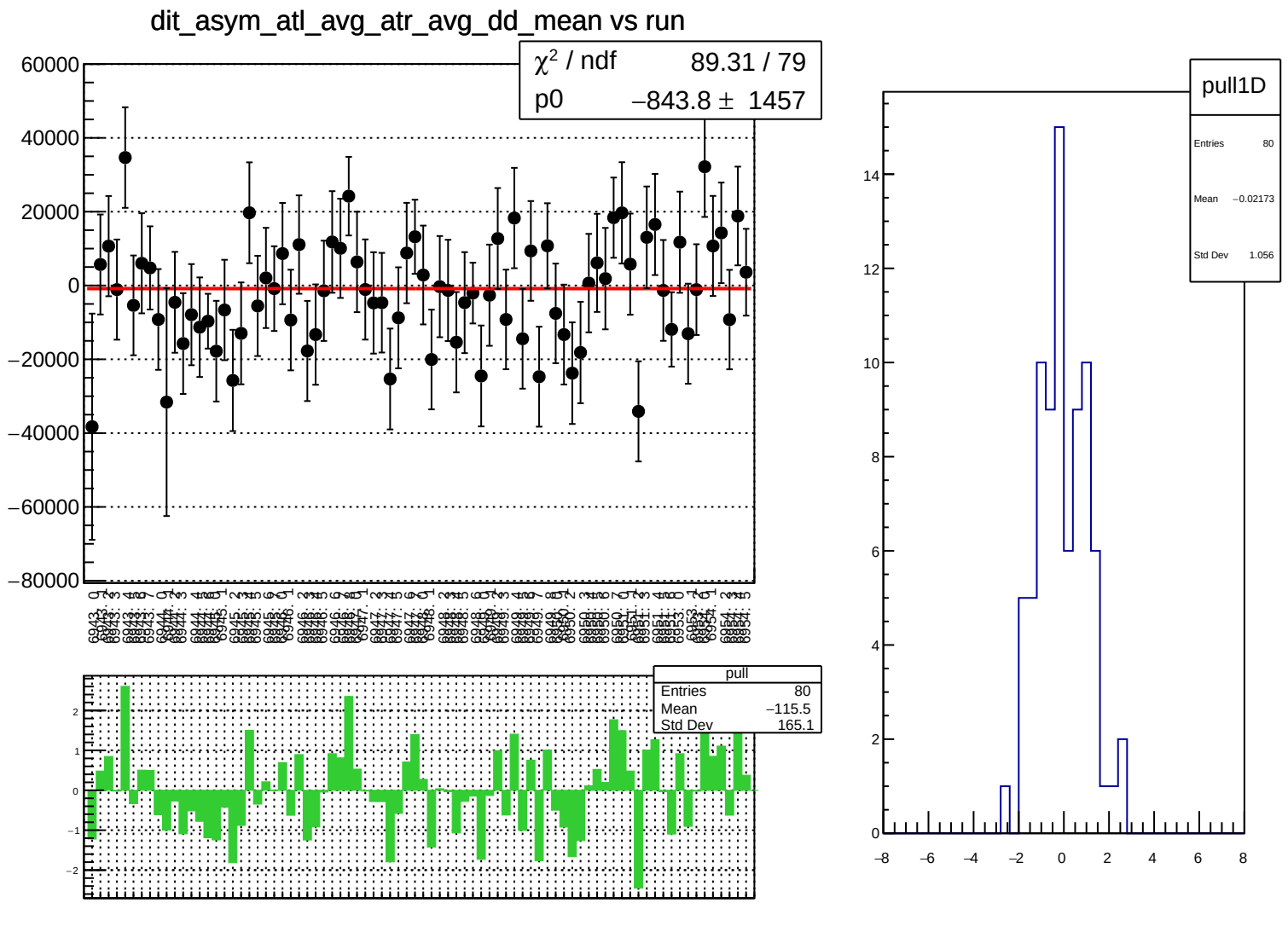

pull1D
Entries 80
Mean 0.003296
Std Dev 1.087

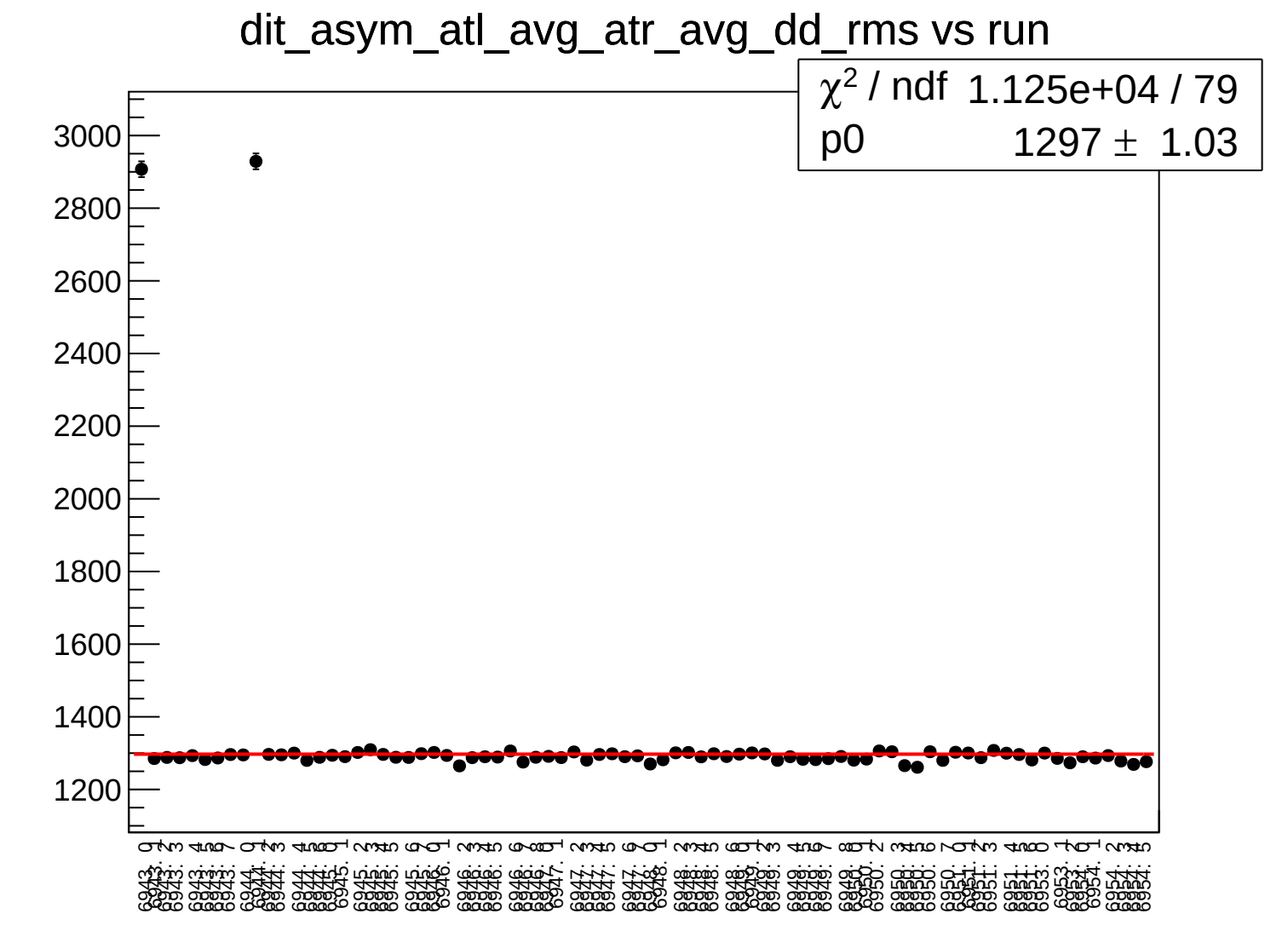

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 7737 / 79
p0 6338 ± 5.029
7500
7000
6500
6000
5500

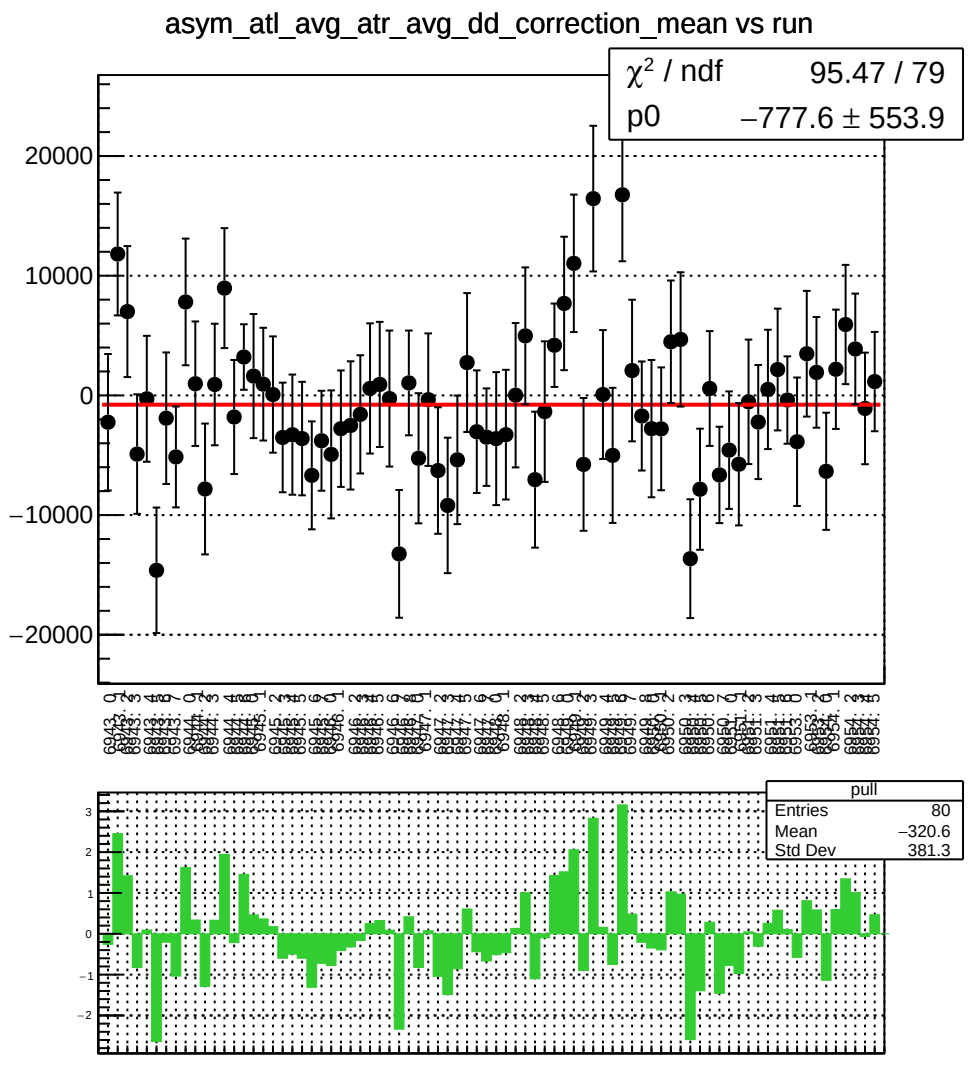

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 96.87 / 79
p0 −182.4 ± 7249
200
100
0
−100
−200
−300
pull
Entries 80
Mean 308.6
Std Dev 257.3
2
1
0
−1
−2

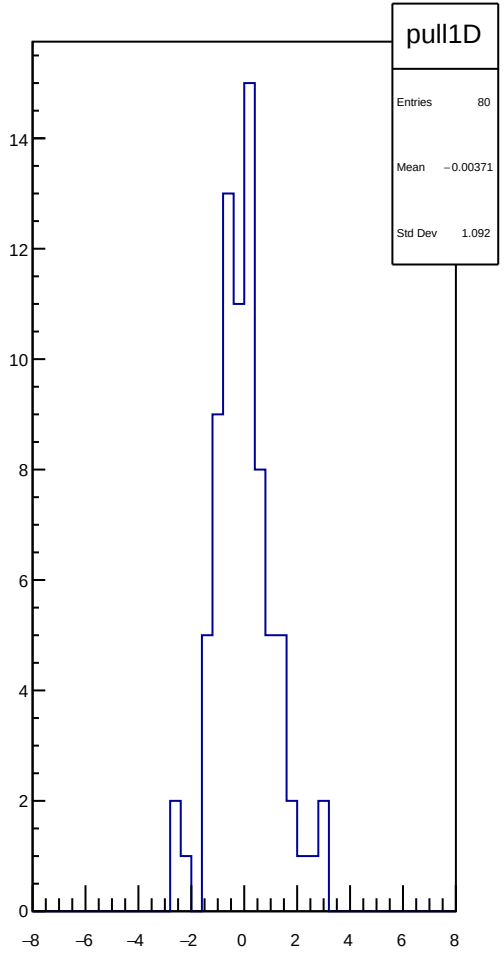

pull1D
Entries 80
Mean −0.005428
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

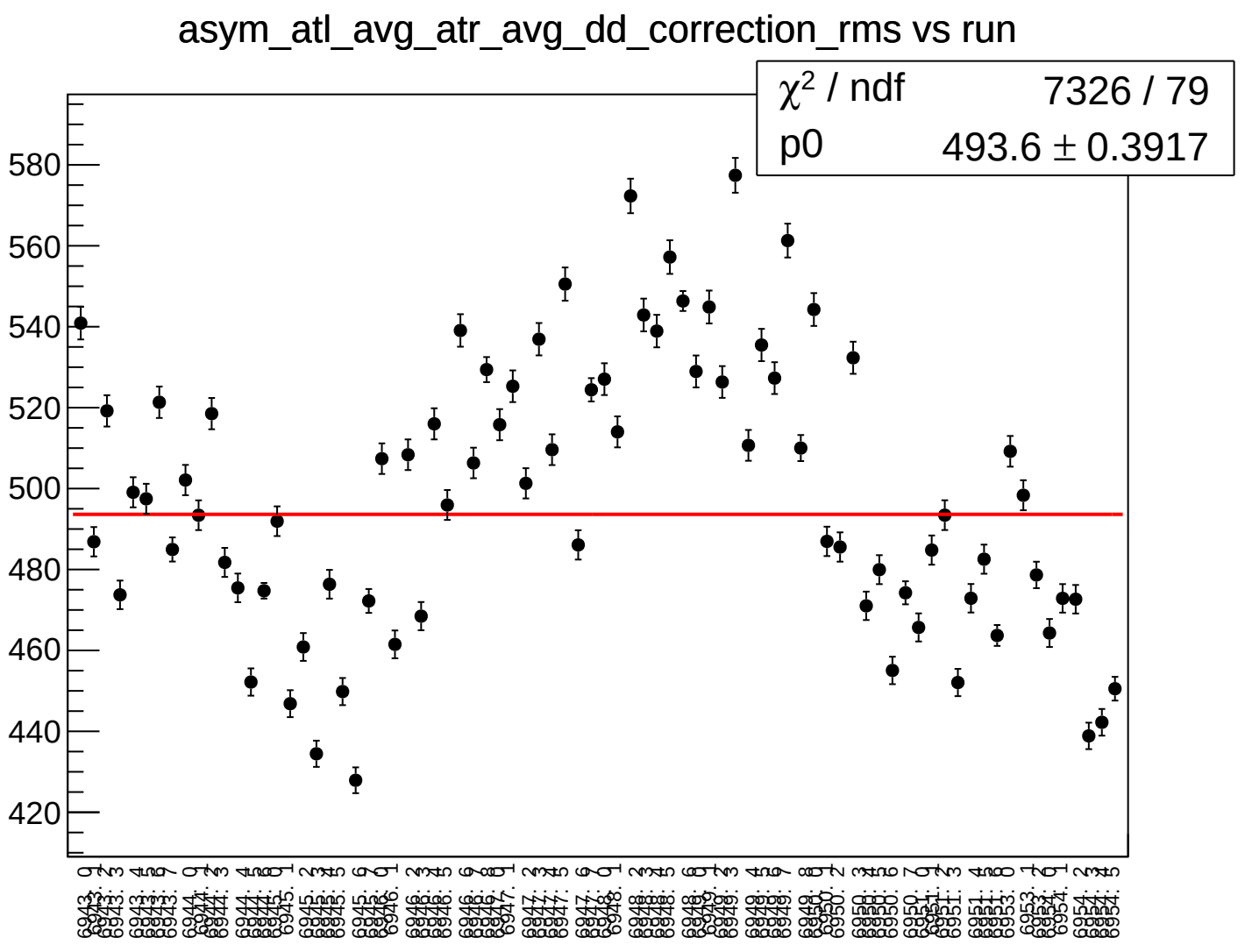

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7657 / 79
p0 6460 ± 5.126
7500
7000
6500
6000
5500

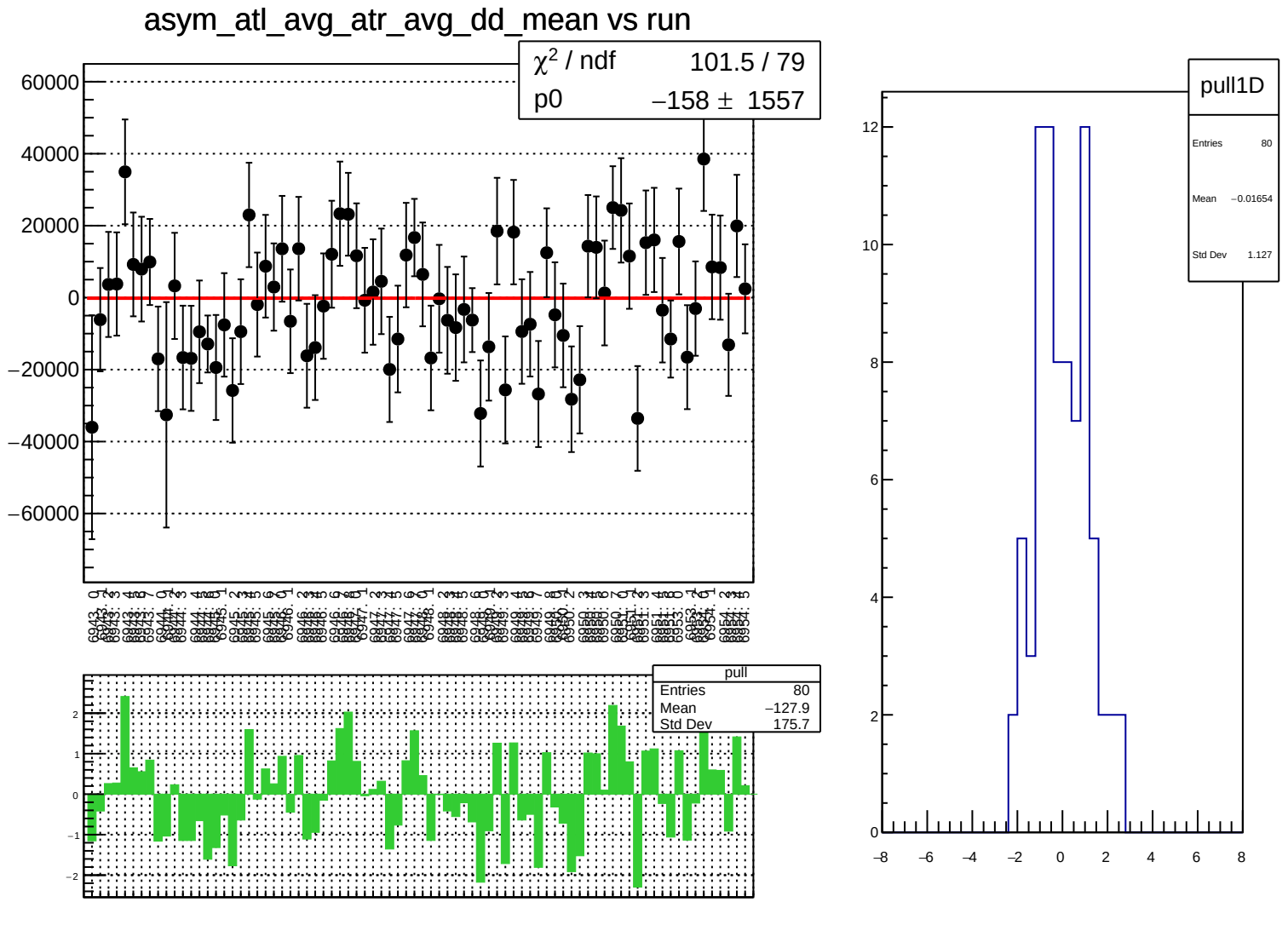

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 89.31 / 79
p0 −843.8 ± 1457
pull
Entries 80
Mean −115.5
Std Dev 165.1
pull1D
Entries 80
Mean −0.02173
Std Dev 1.056

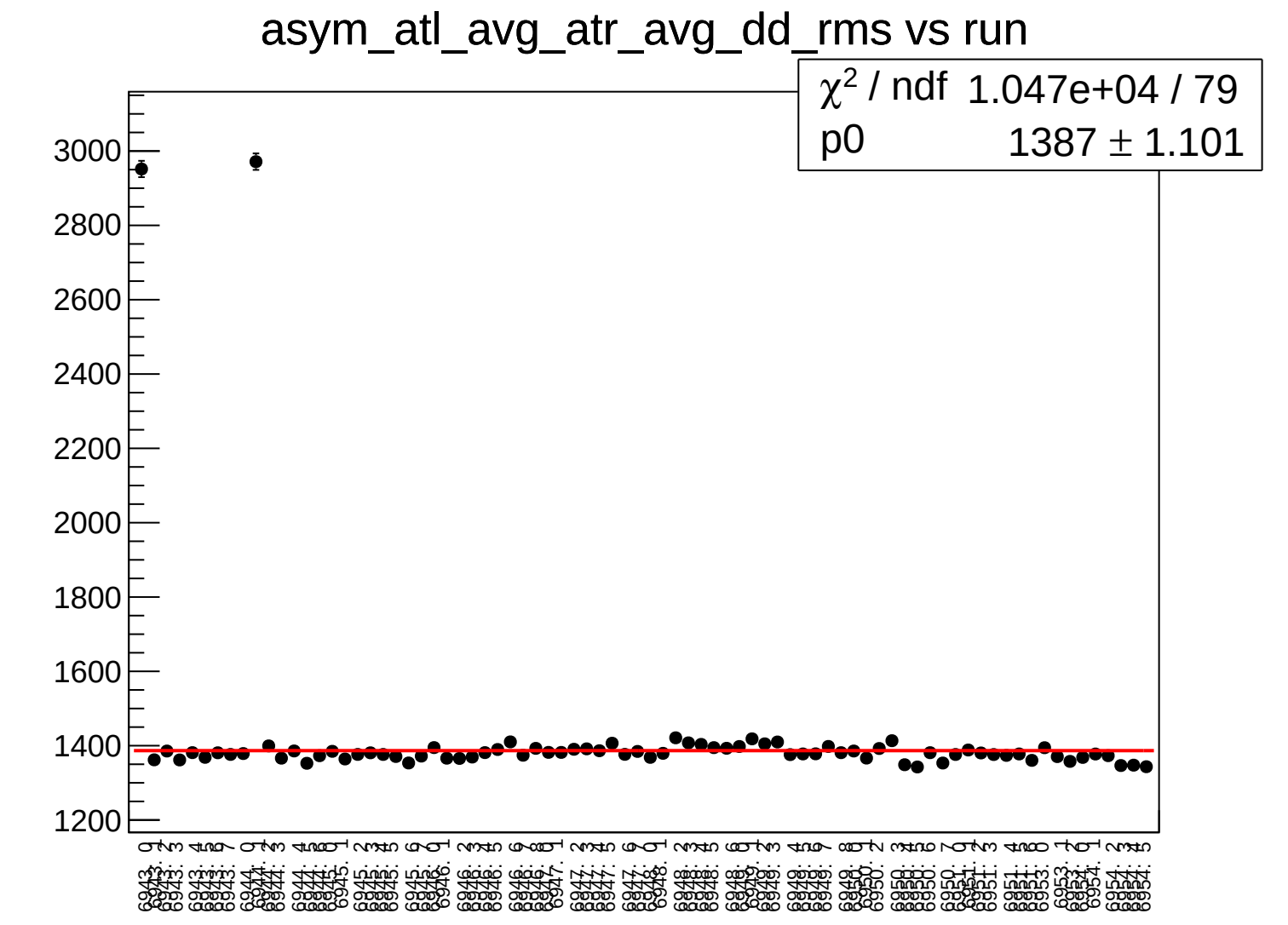

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.125e+04 / 79
p0 1297 ± 1.03
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

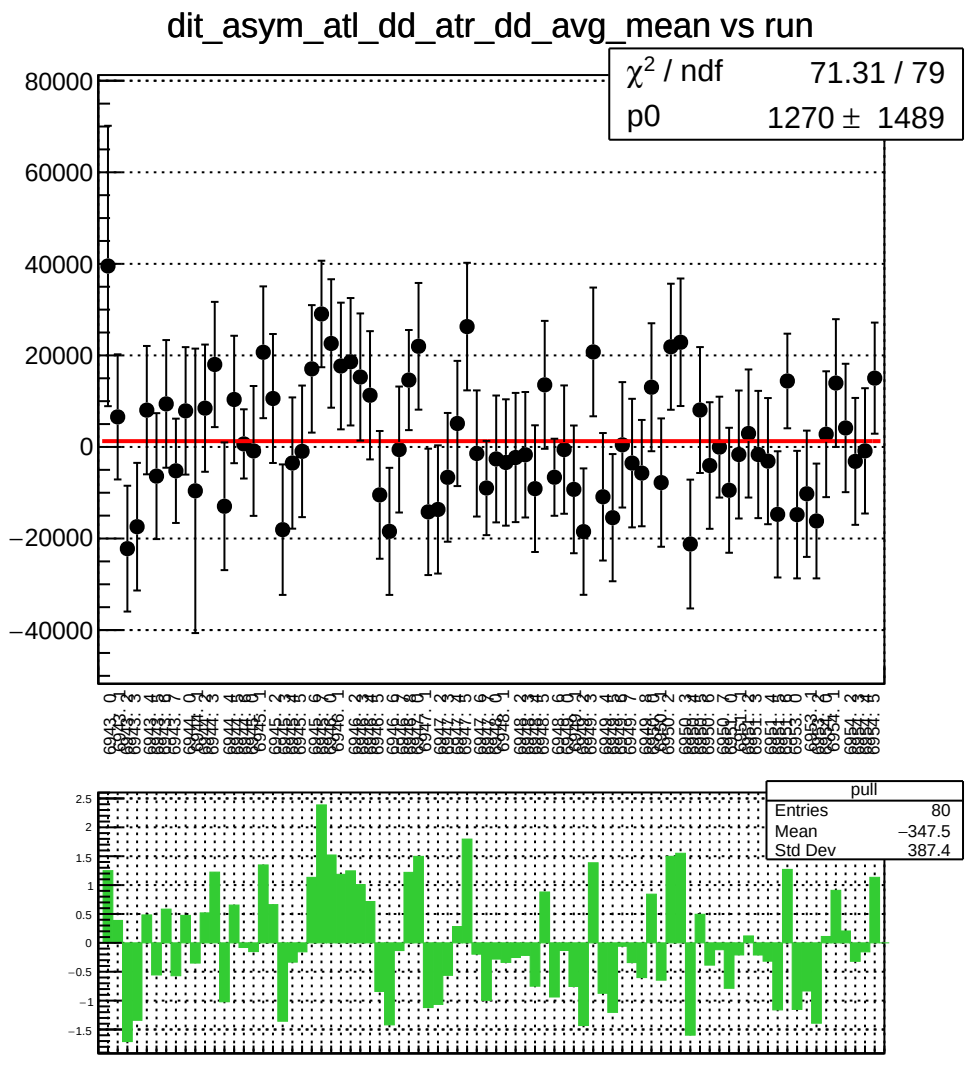

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 95.47 / 79
p0 −777.6 ± 553.9
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −320.6
Std Dev 381.3
3
2
1
0
−1
−2

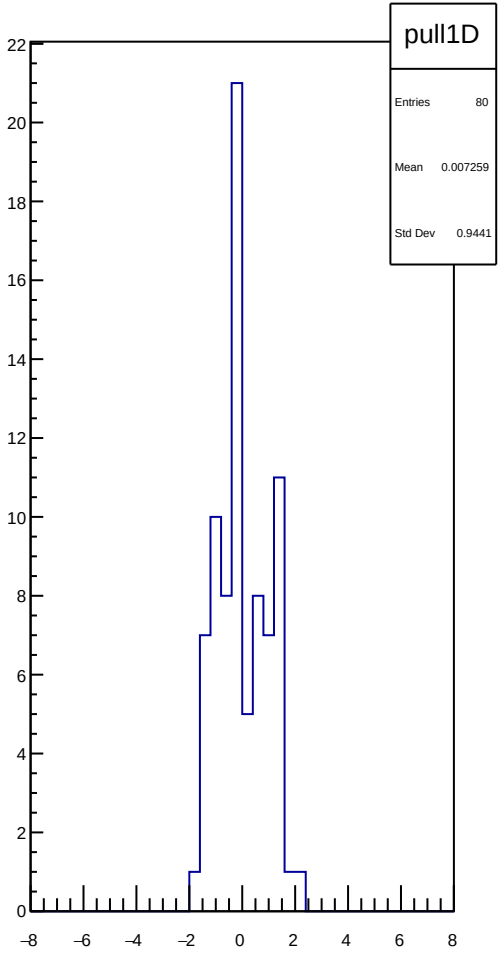

pull1D
Entries 80
Mean −0.00371
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

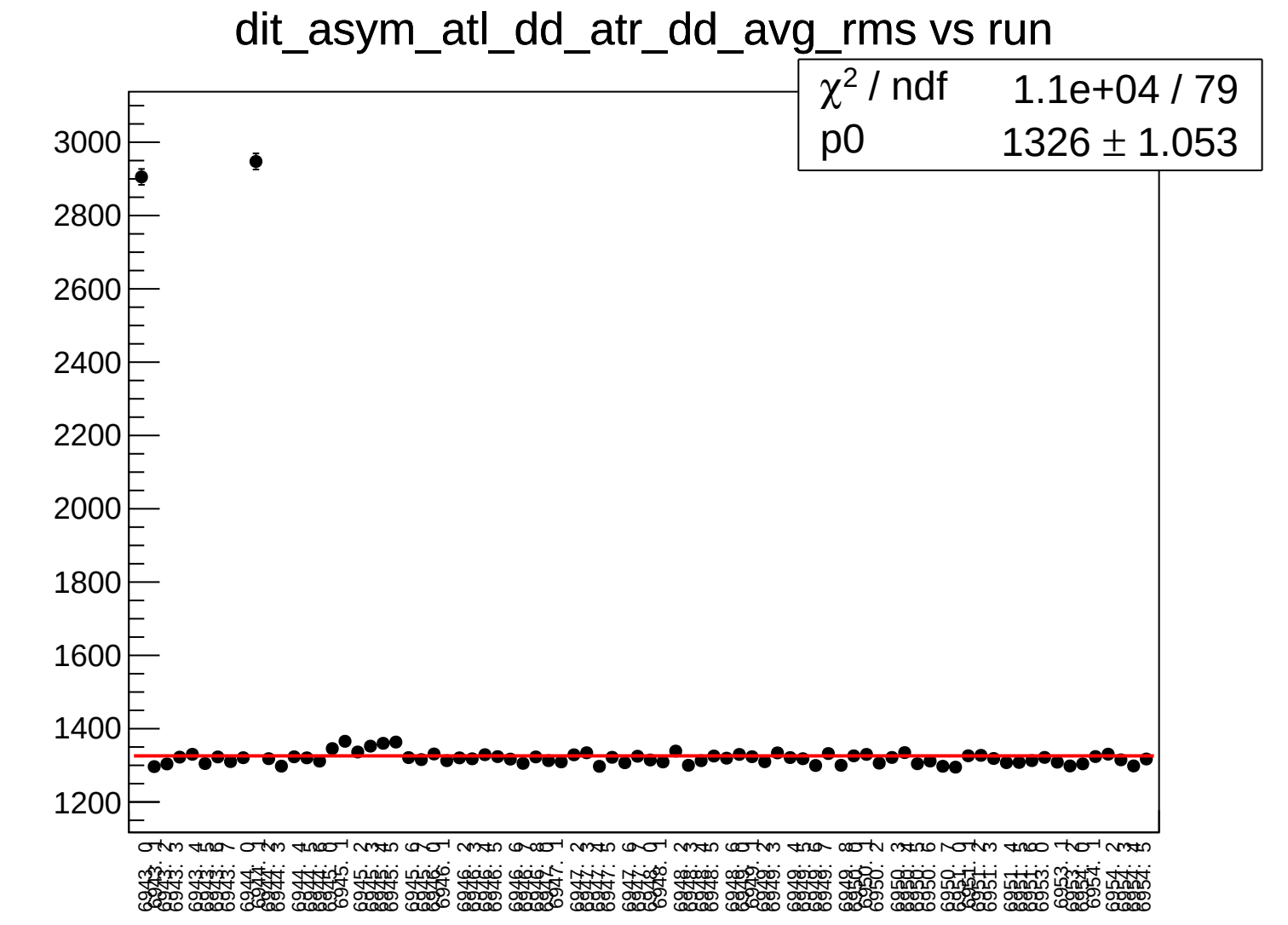

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 7326 / 79
p0 493.6 ± 0.3917
580
560
540
520
500
480
460
440
420

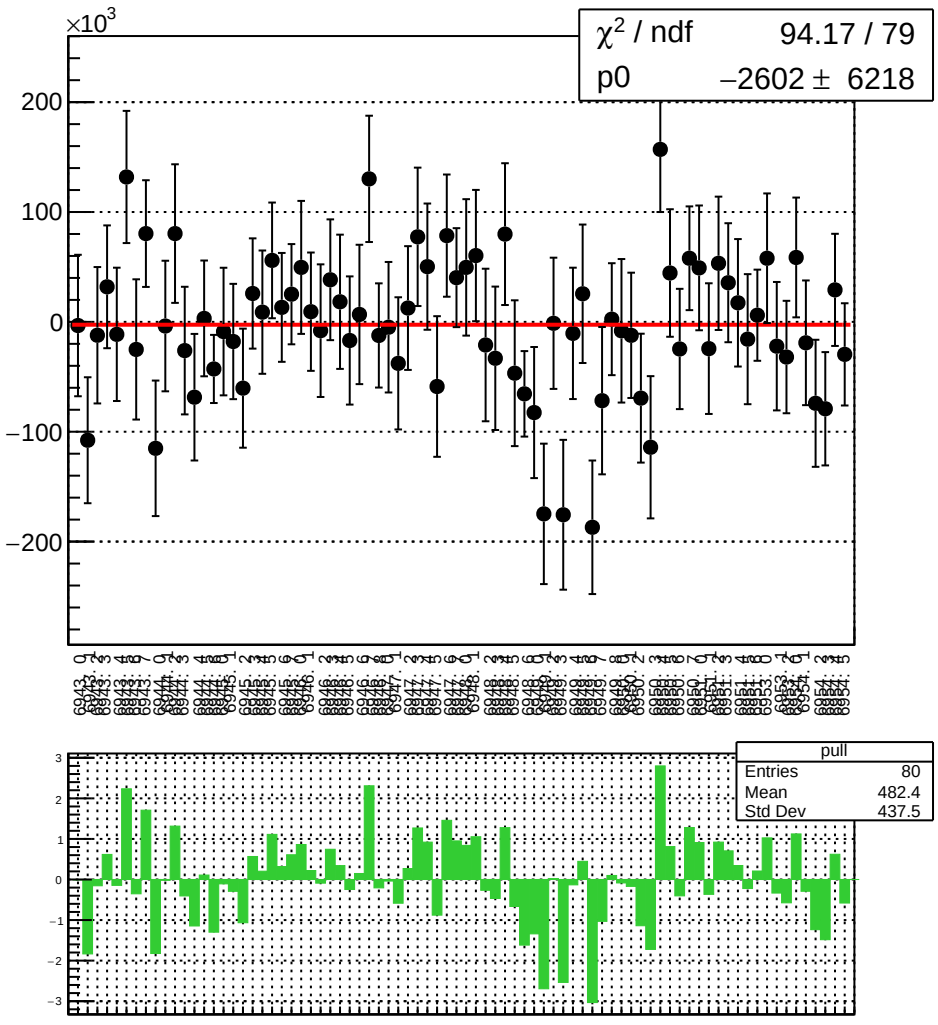

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 101.5 / 79
p0 −158 ± 1557
pull
Entries 80
Mean −127.9
Std Dev 175.7
pull1D
Entries 80
Mean −0.01654
Std Dev 1.127

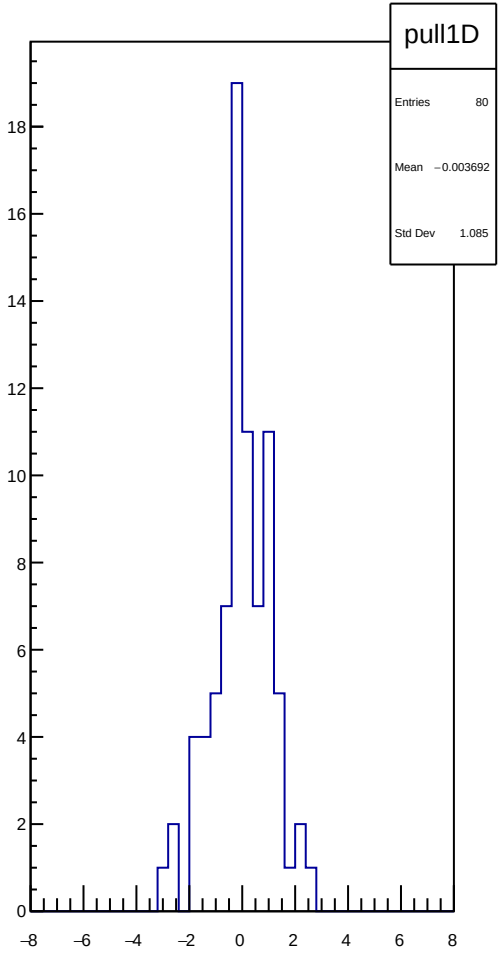

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.047e+04 / 79
p0 1387 ± 1.101
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

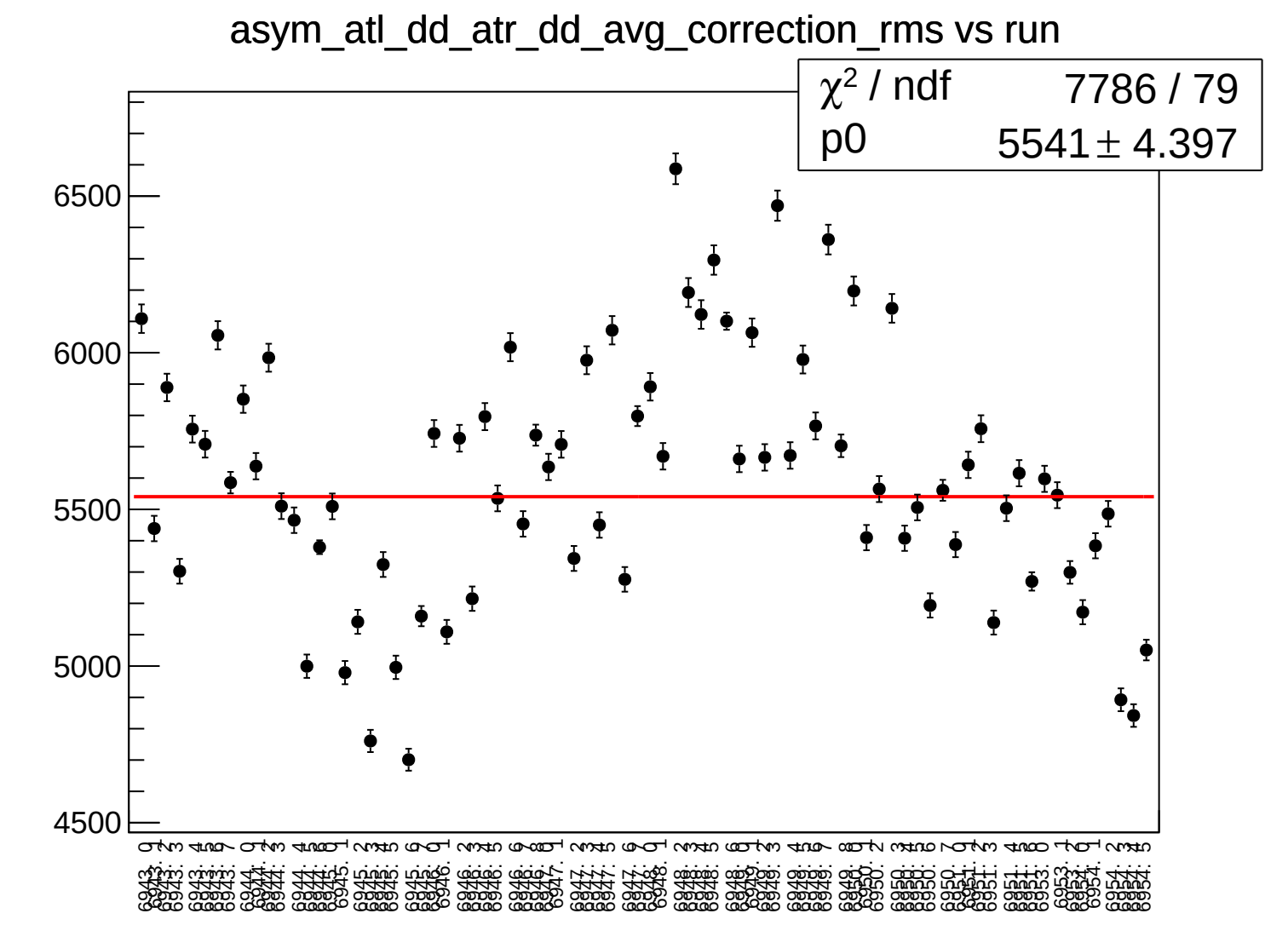

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 71.31 / 79
p0 1270 ± 1489
pull
Entries 80
Mean −347.5
Std Dev 387.4

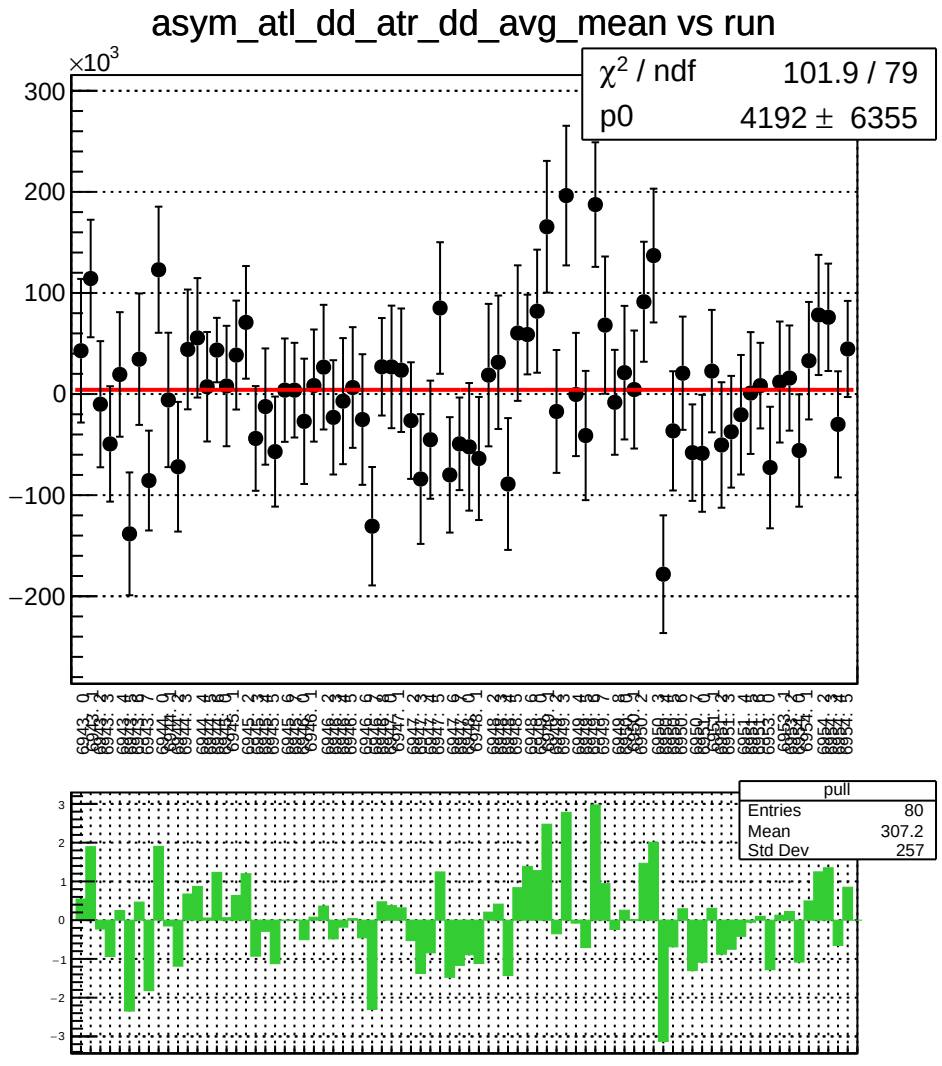

pull1D
Entries 80
Mean 0.007259
Std Dev 0.9441

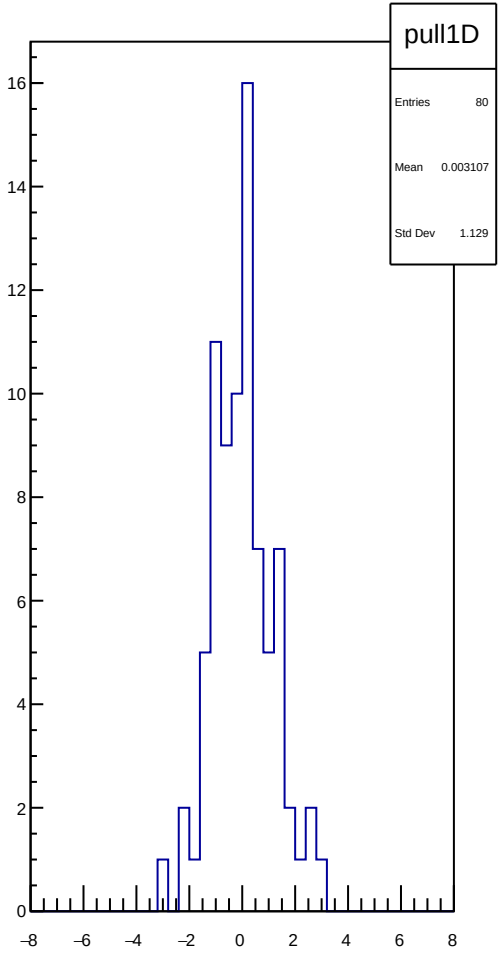

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.1e+04 / 79
p0 1326 ± 1.053
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

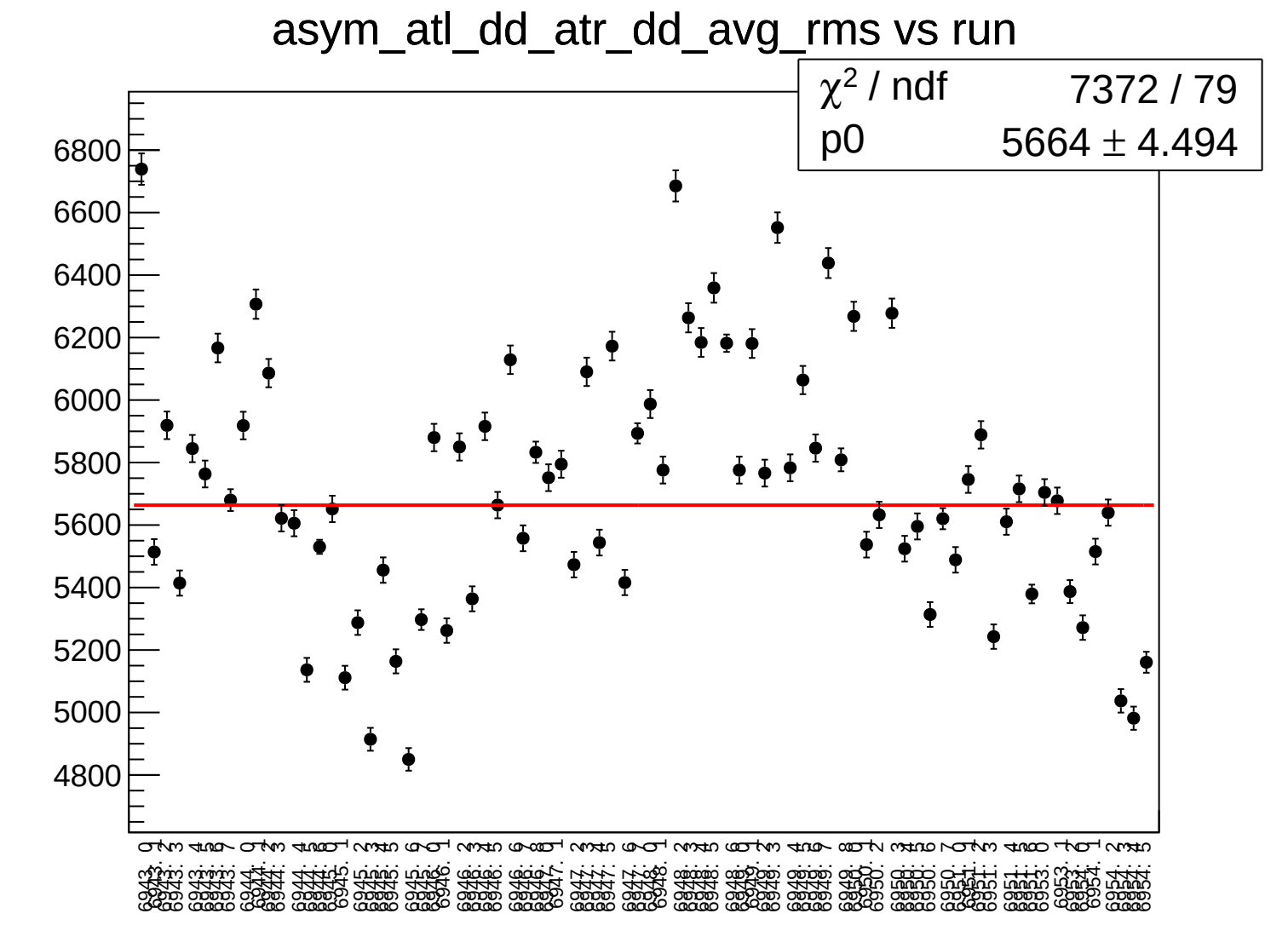

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 94.17 / 79
p0 −2602 ± 6218
200
100
0
−100
−200
pull
Entries 80
Mean 482.4
Std Dev 437.5
3
2
1
0
−1
−2
−3

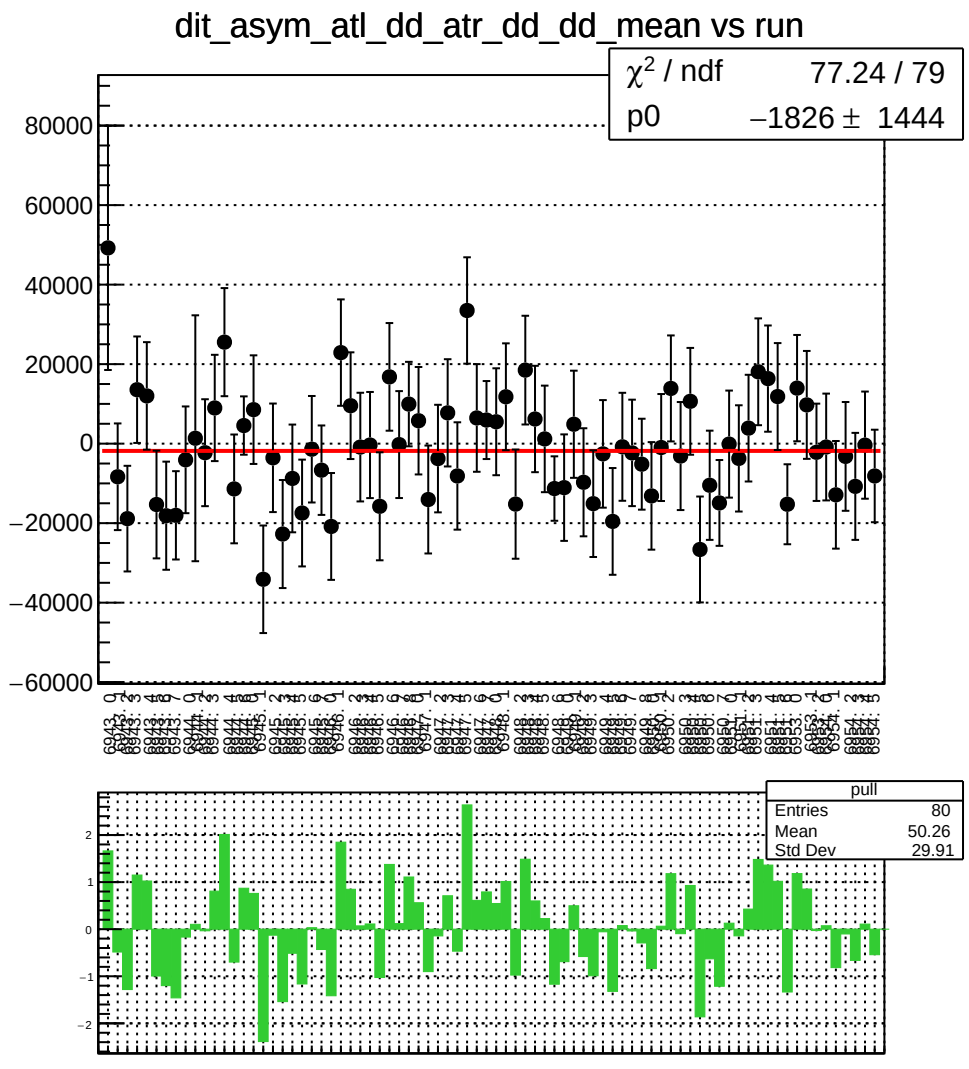

pull1D
Entries 80
Mean −0.003692
Std Dev 1.085
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

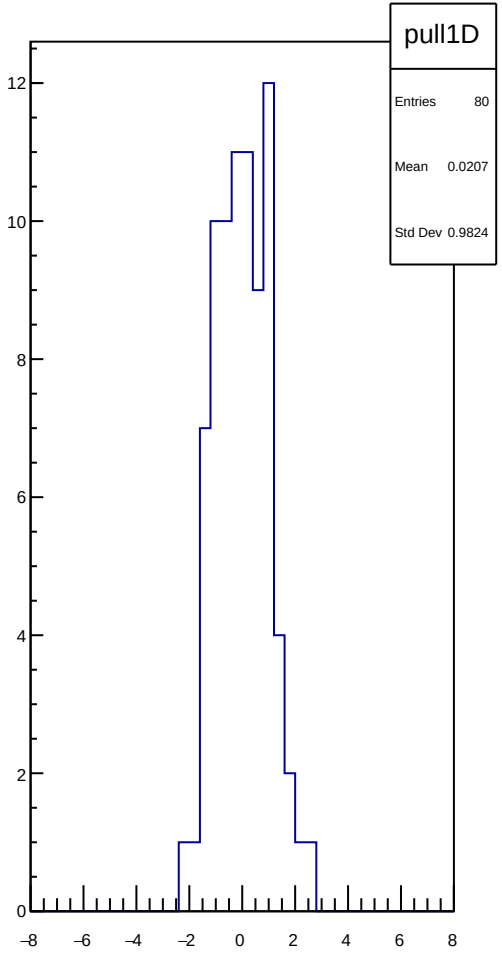

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 7786 / 79
p0 5541 ± 4.397
6500
6000
5500
5000
4500

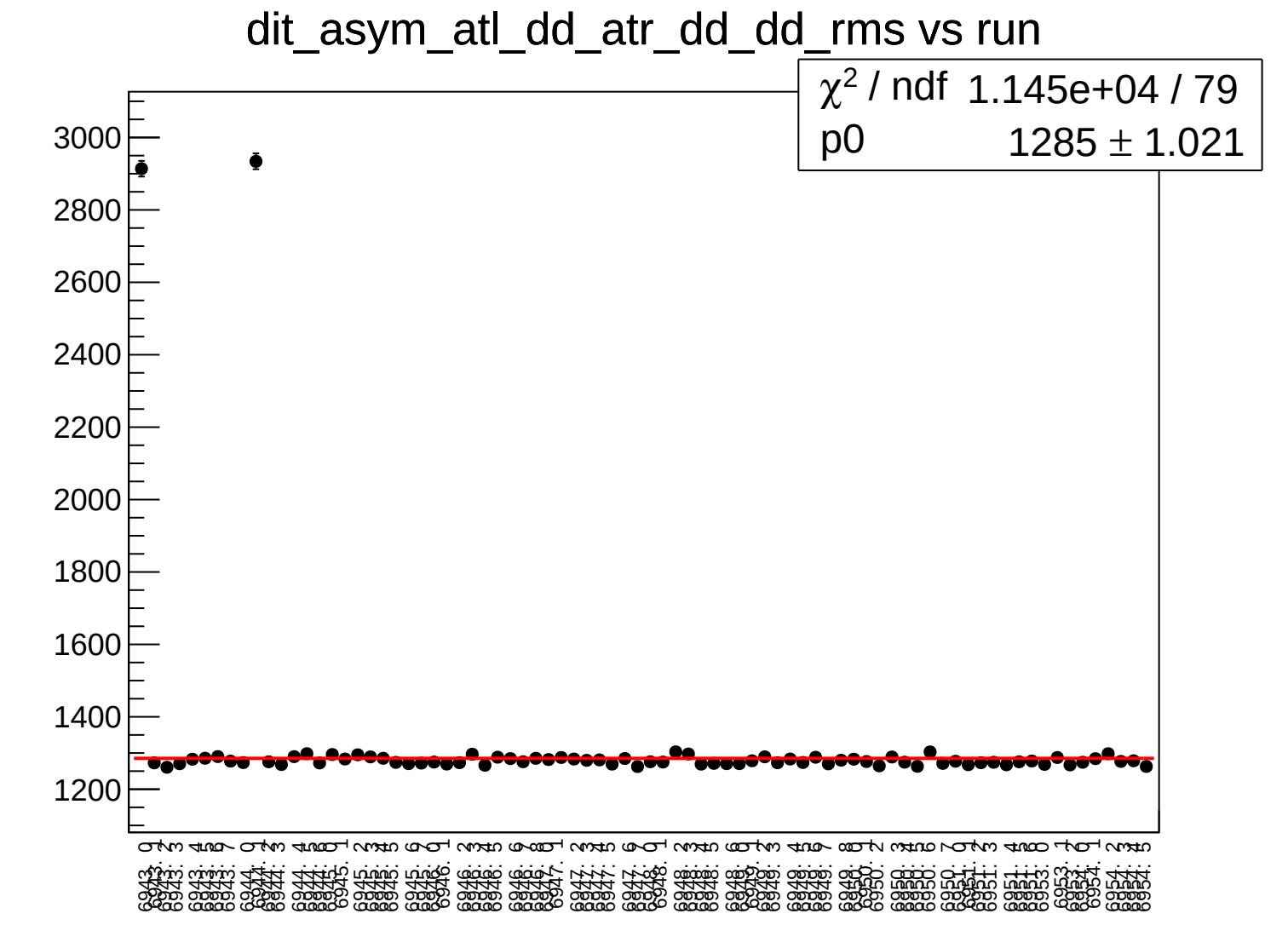

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 101.9 / 79
p0 4192 ± 6355
pull
Entries 80
Mean 307.2
Std Dev 257

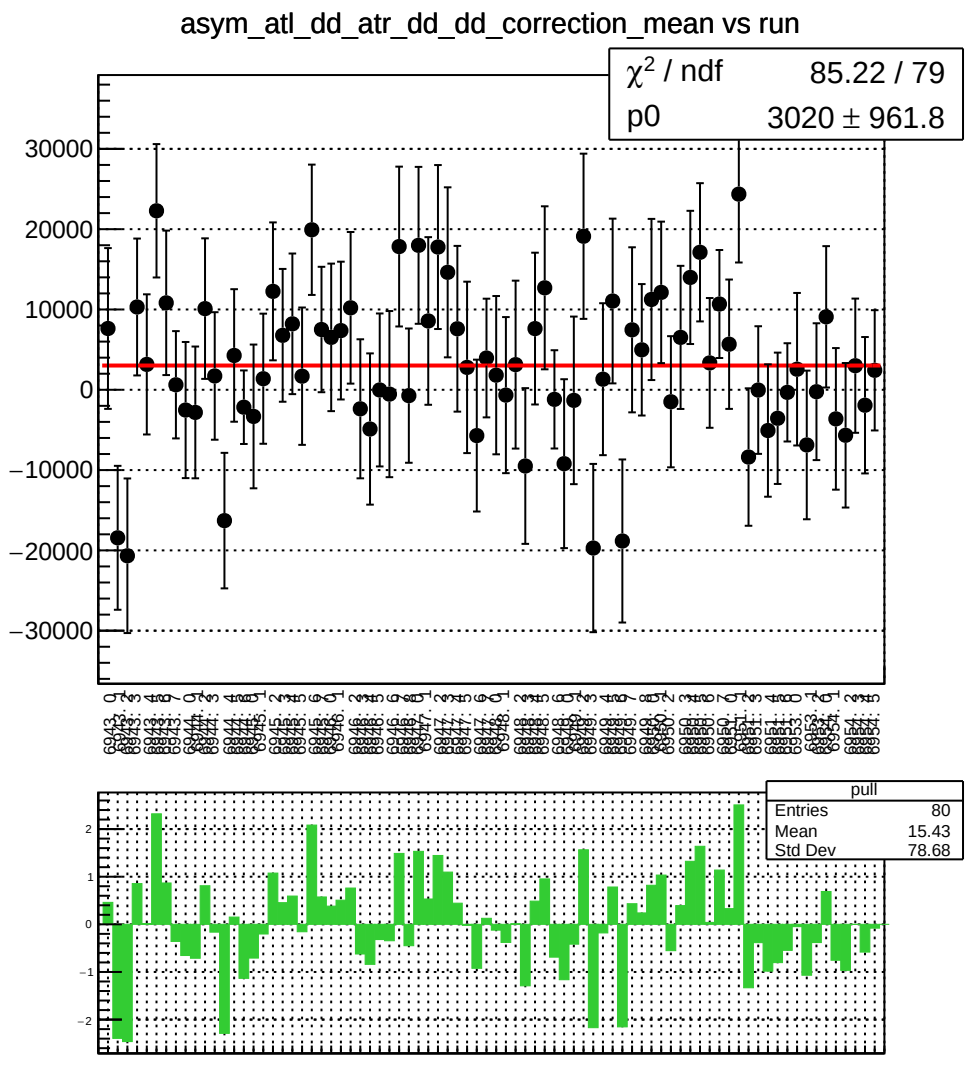

pull1D
Entries 80
Mean 0.003107
Std Dev 1.129

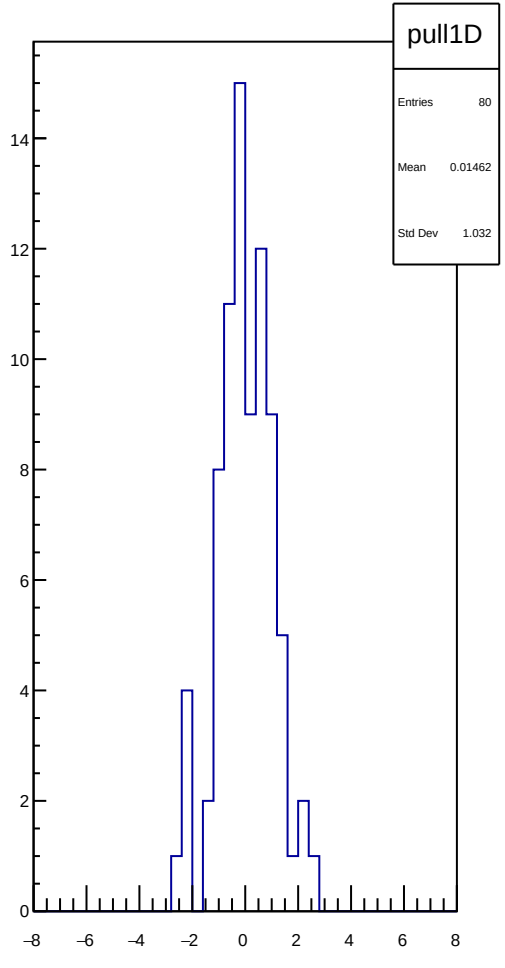

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 7372 / 79
p0 5664 ± 4.494
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

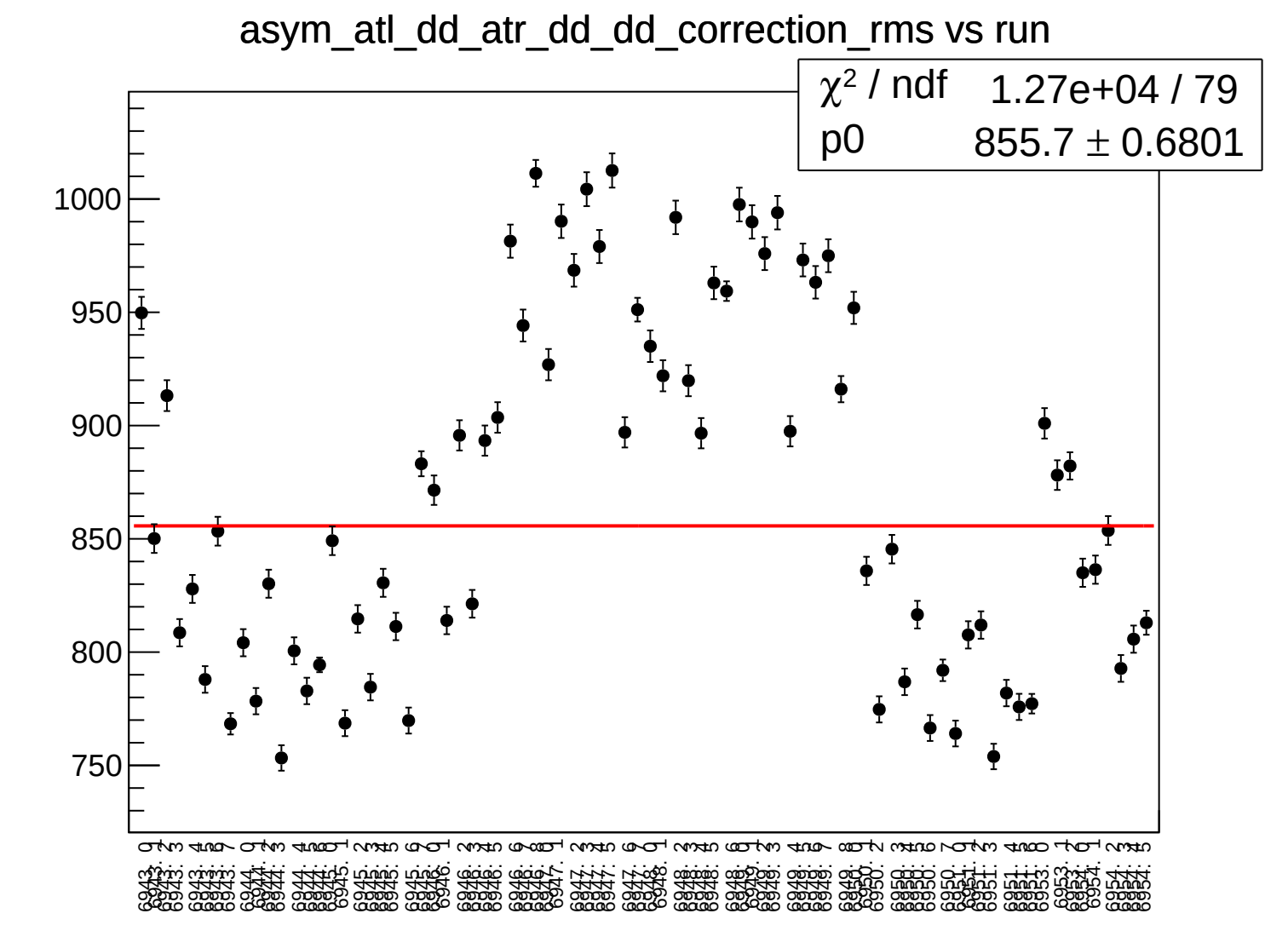

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 77.24 / 79
p0 −1826 ± 1444
pull
Entries 80
Mean 50.26
Std Dev 29.91

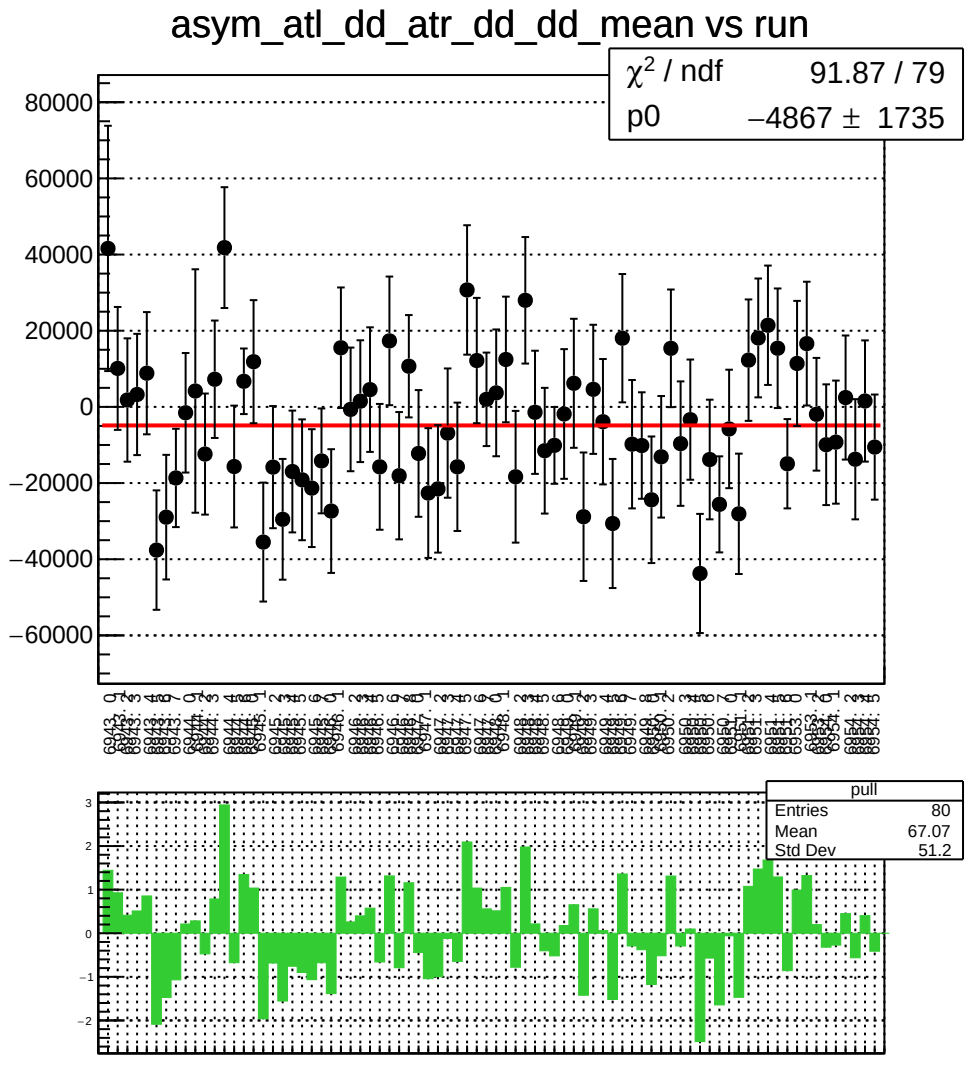

pull1D
Entries 80
Mean 0.0207
Std Dev 0.9824

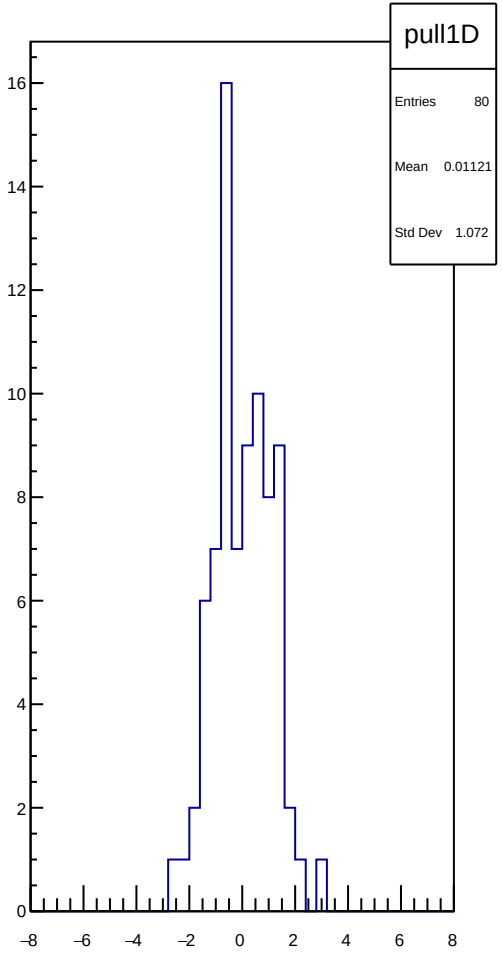

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.145e+04 / 79
p0 1285 ± 1.021
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

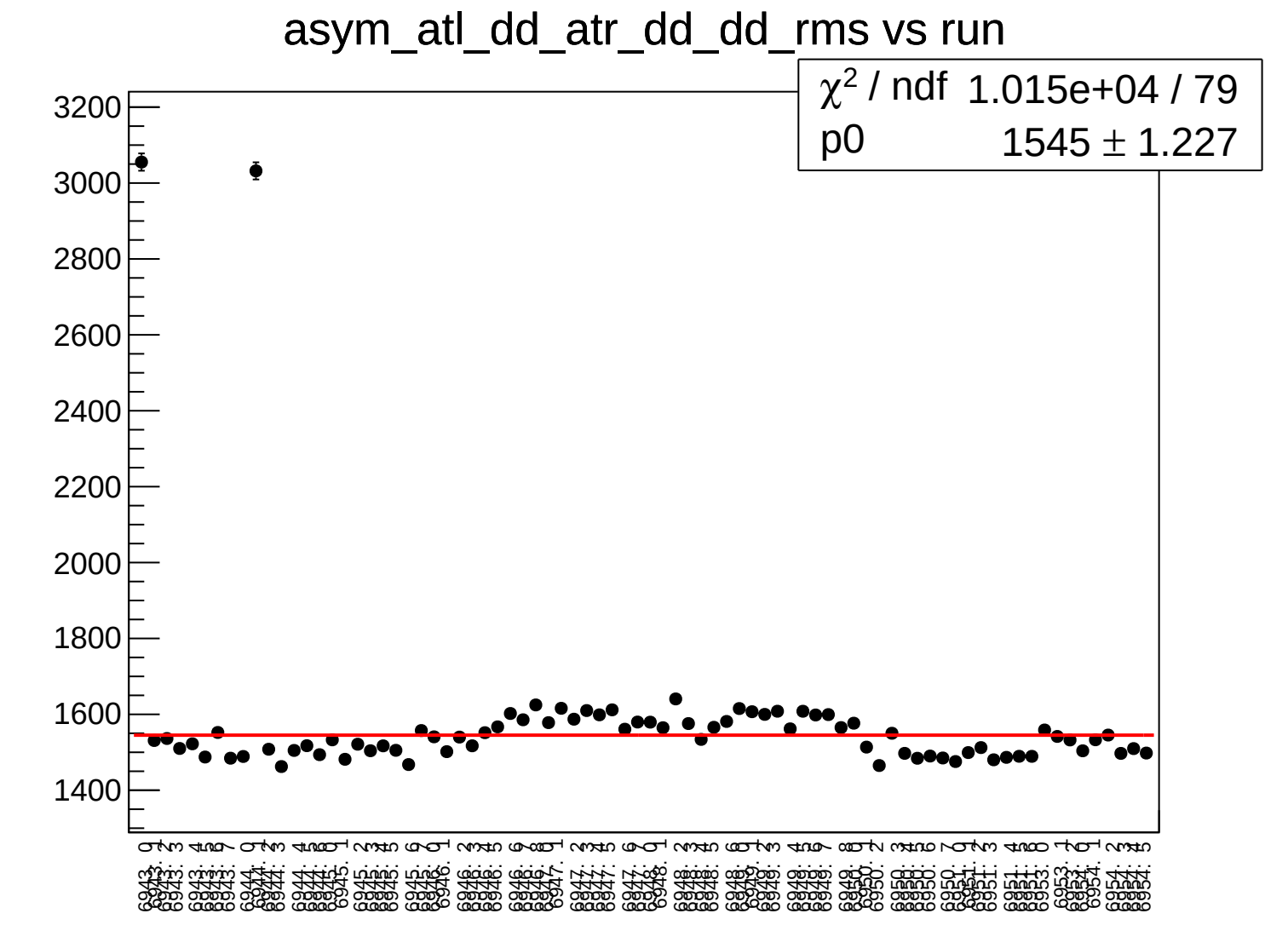

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 85.22 / 79
p0 3020 ± 961.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 15.43
Std Dev 78.68
2
1
0
−1
−2

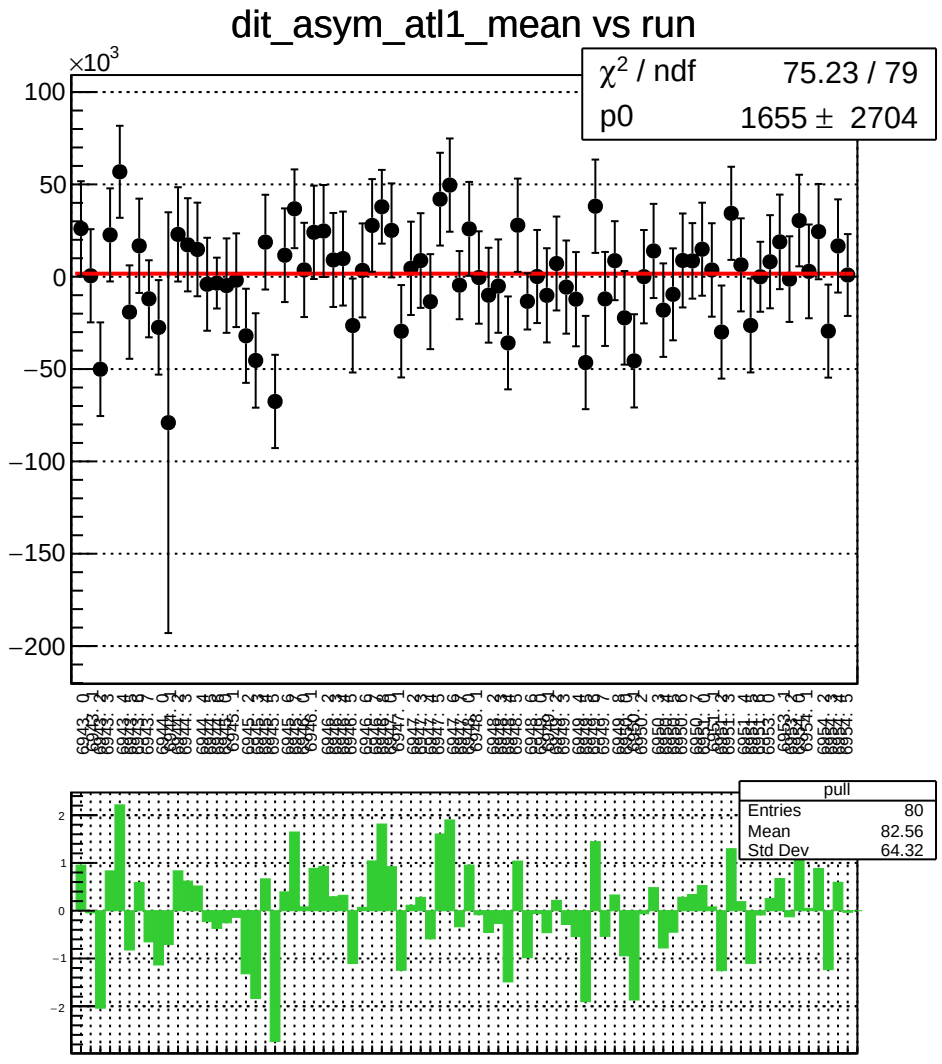

pull1D
Entries 80
Mean 0.01462
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

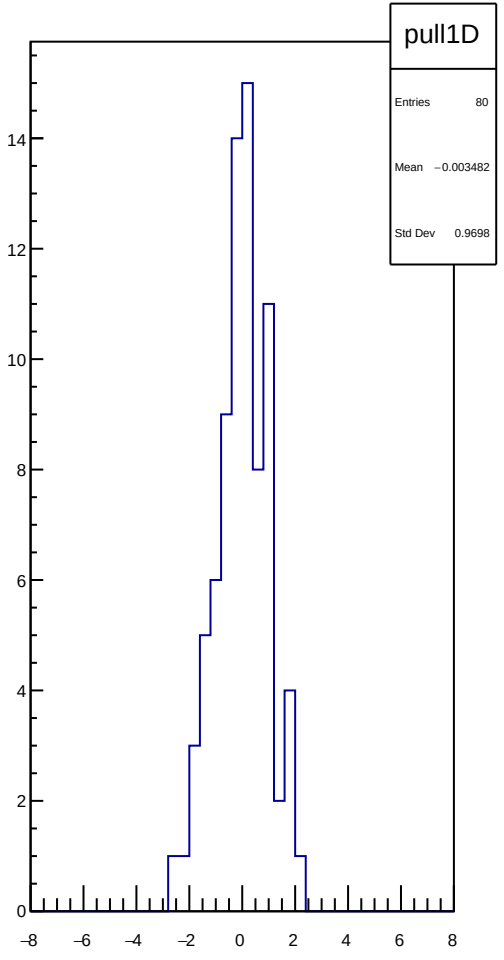

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.27e+04 / 79
p0 855.7 ± 0.6801
1000
950
900
850
800
750

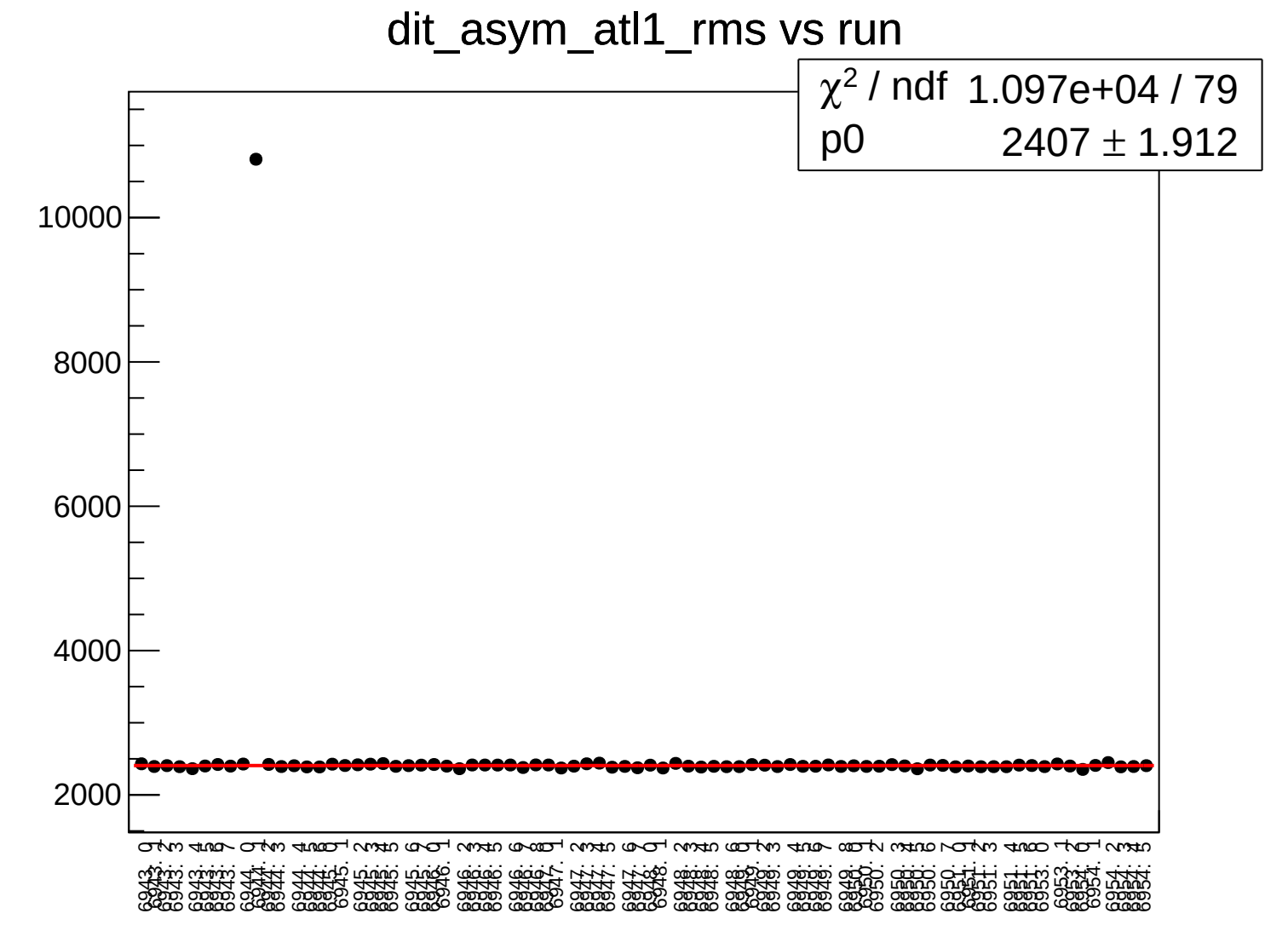

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.87 / 79
p0 −4867 ± 1735
pull
Entries 80
Mean 67.07
Std Dev 51.2

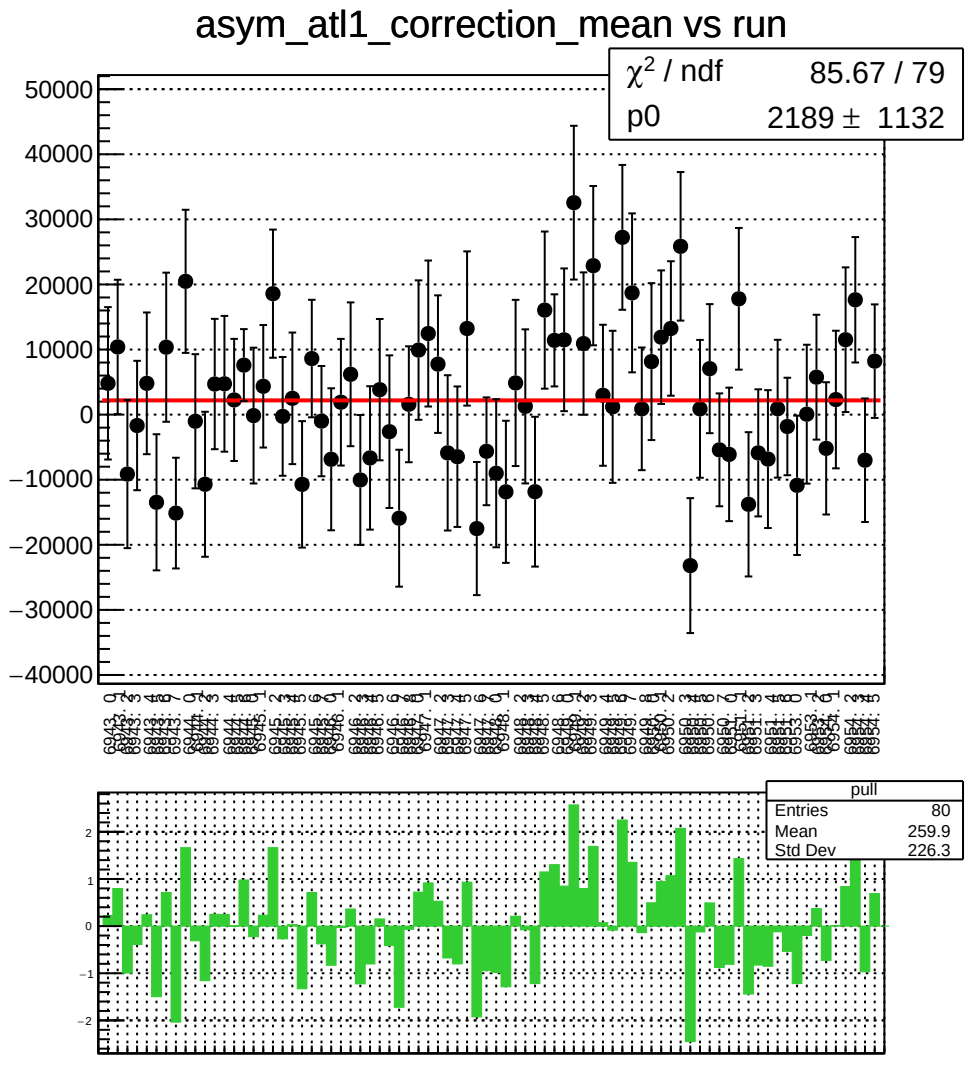

pull1D
Entries 80
Mean 0.01121
Std Dev 1.072

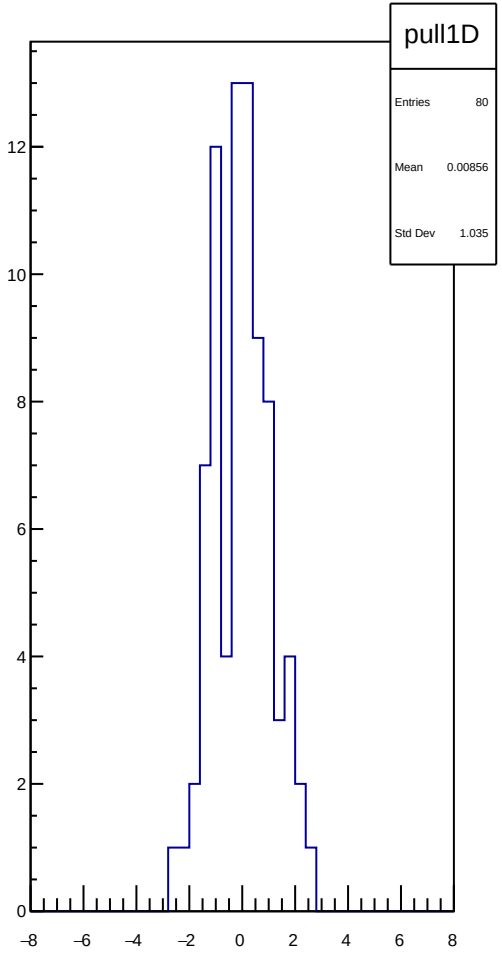

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.015e+04 / 79
p0 1545 ± 1.227
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

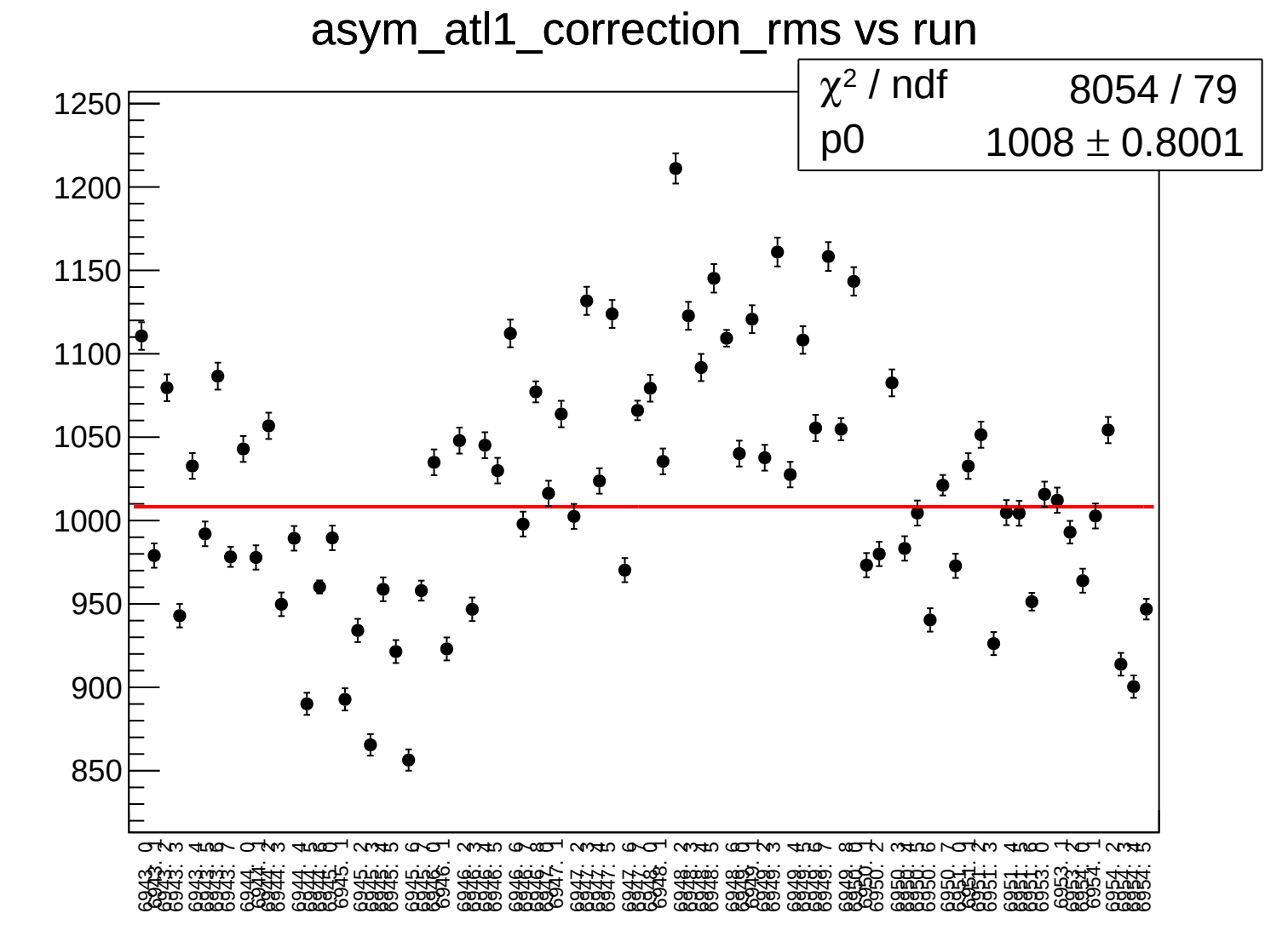

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 75.23 / 79
p0 1655 ± 2704
pull
Entries 80
Mean 82.56
Std Dev 64.32

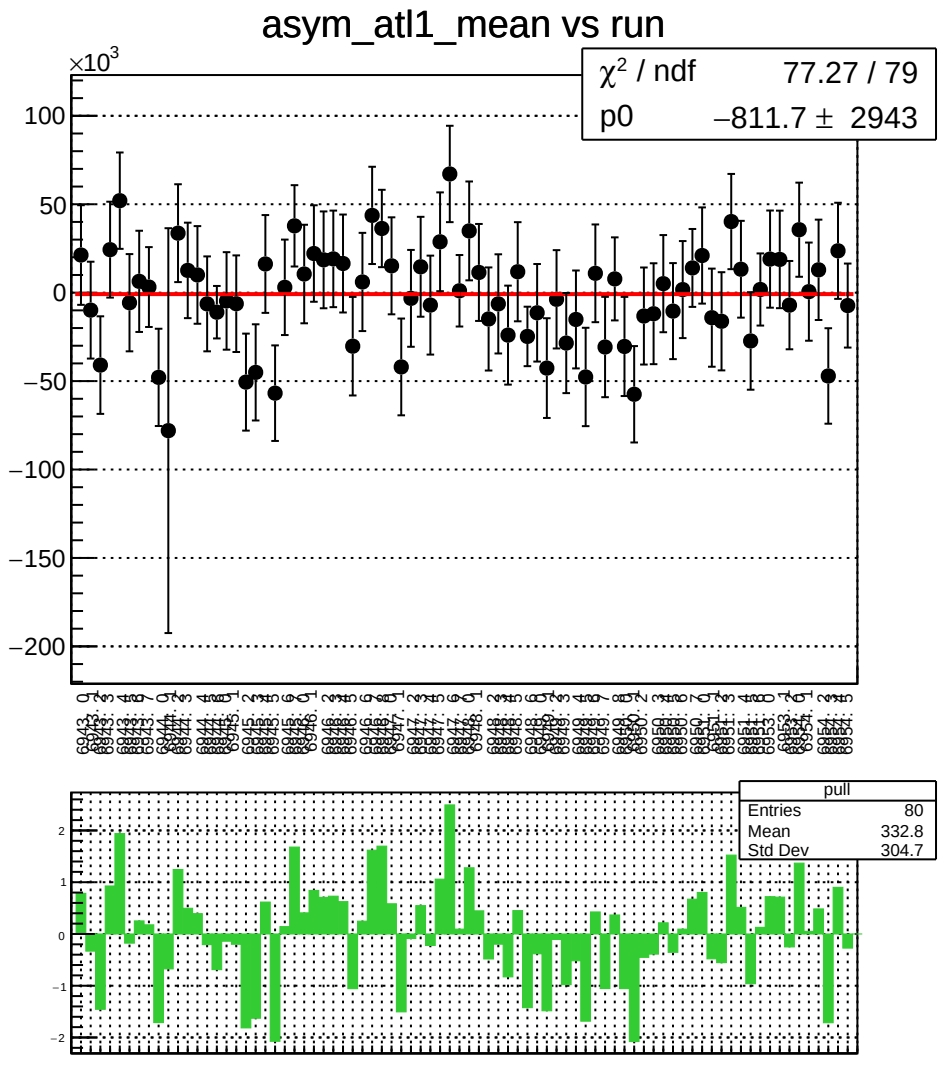

pull1D
Entries 80
Mean −0.003482
Std Dev 0.9698

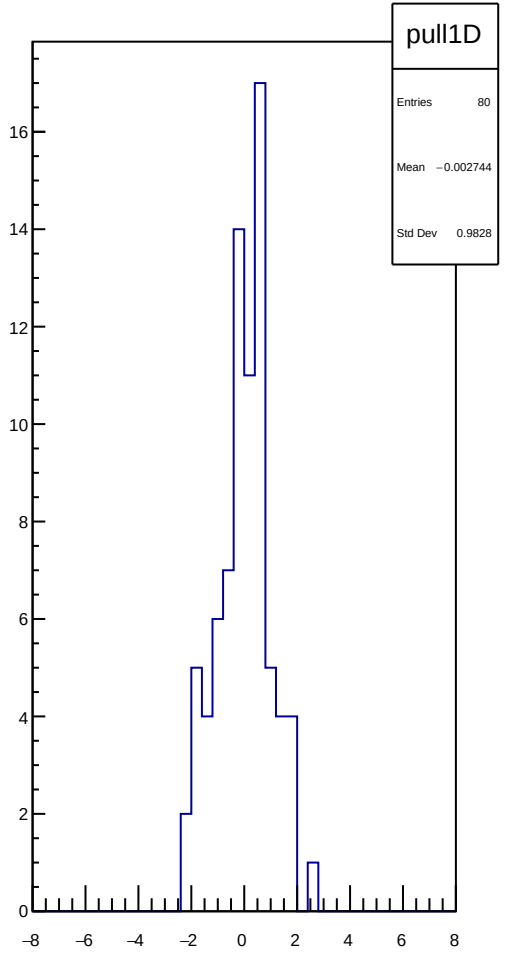

dit_asym_atl1_rms vs run
χ² / ndf 1.097e+04 / 79
p0 2407 ± 1.912
10000
8000
6000
4000
2000

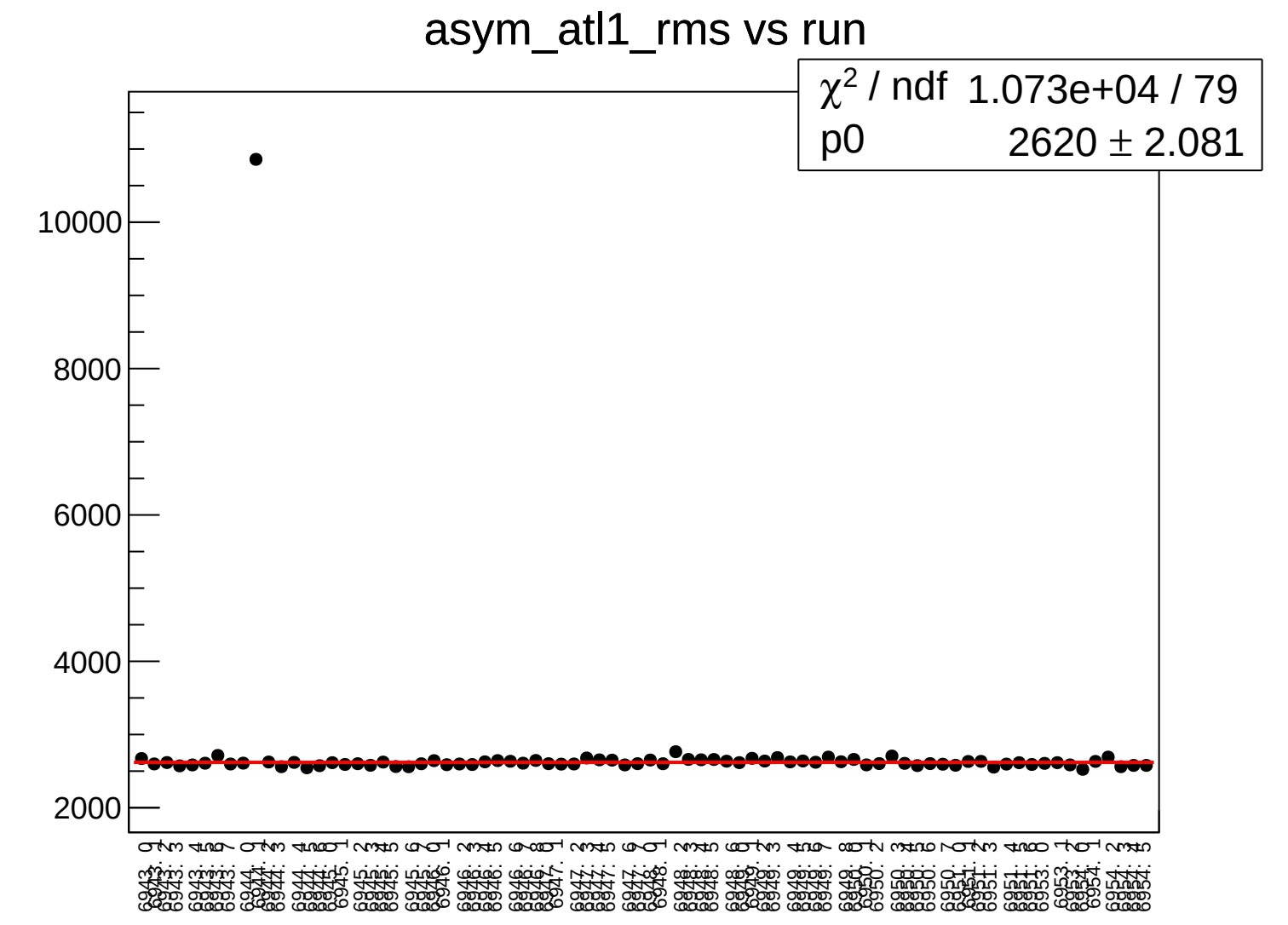

asym_atl1_correction_mean vs run
χ² / ndf 85.67 / 79
p0 2189 ± 1132
pull
Entries 80
Mean 259.9
Std Dev 226.3

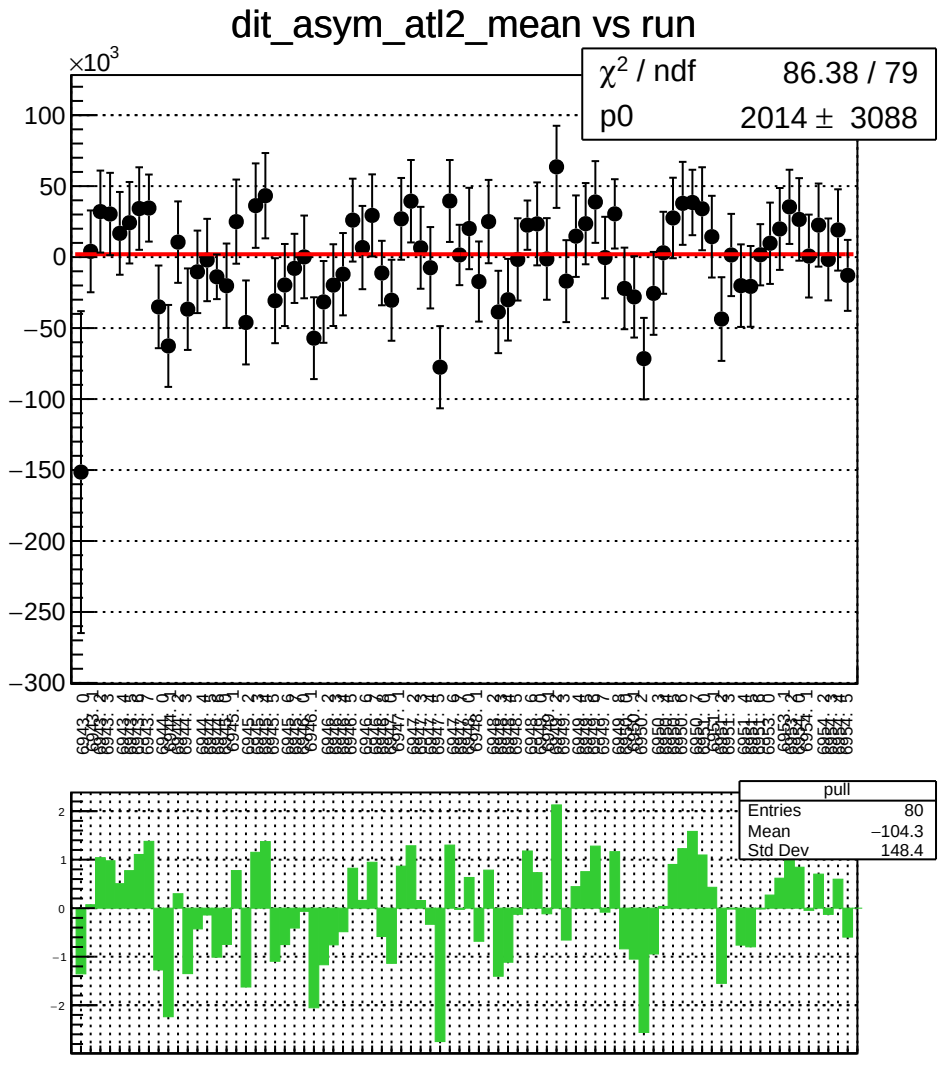

pull1D
Entries 80
Mean 0.00856
Std Dev 1.035

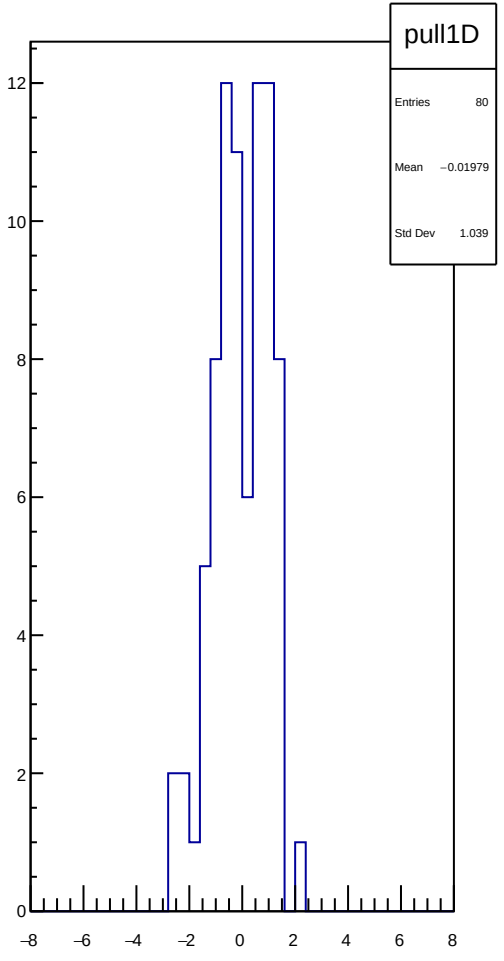

asym_atl1_correction_rms vs run
χ² / ndf 8054 / 79
p0 1008 ± 0.8001
1250
1200
1150
1100
1050
1000
950
900
850

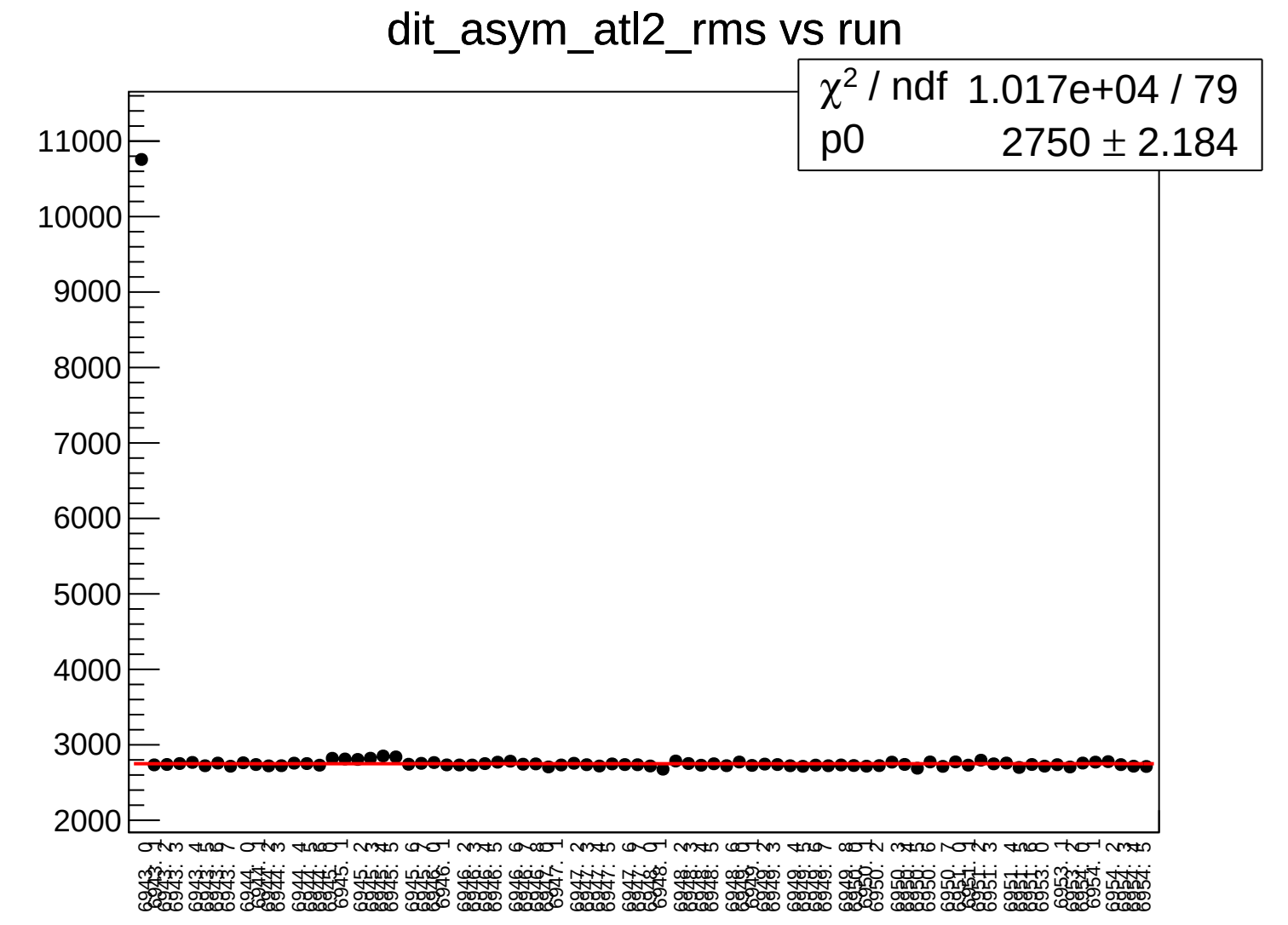

asym_atl1_mean vs run
×10^3
χ² / ndf 77.27 / 79
p0 −811.7 ± 2943
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 332.8
Std Dev 304.7
2
1
0
−1
−2

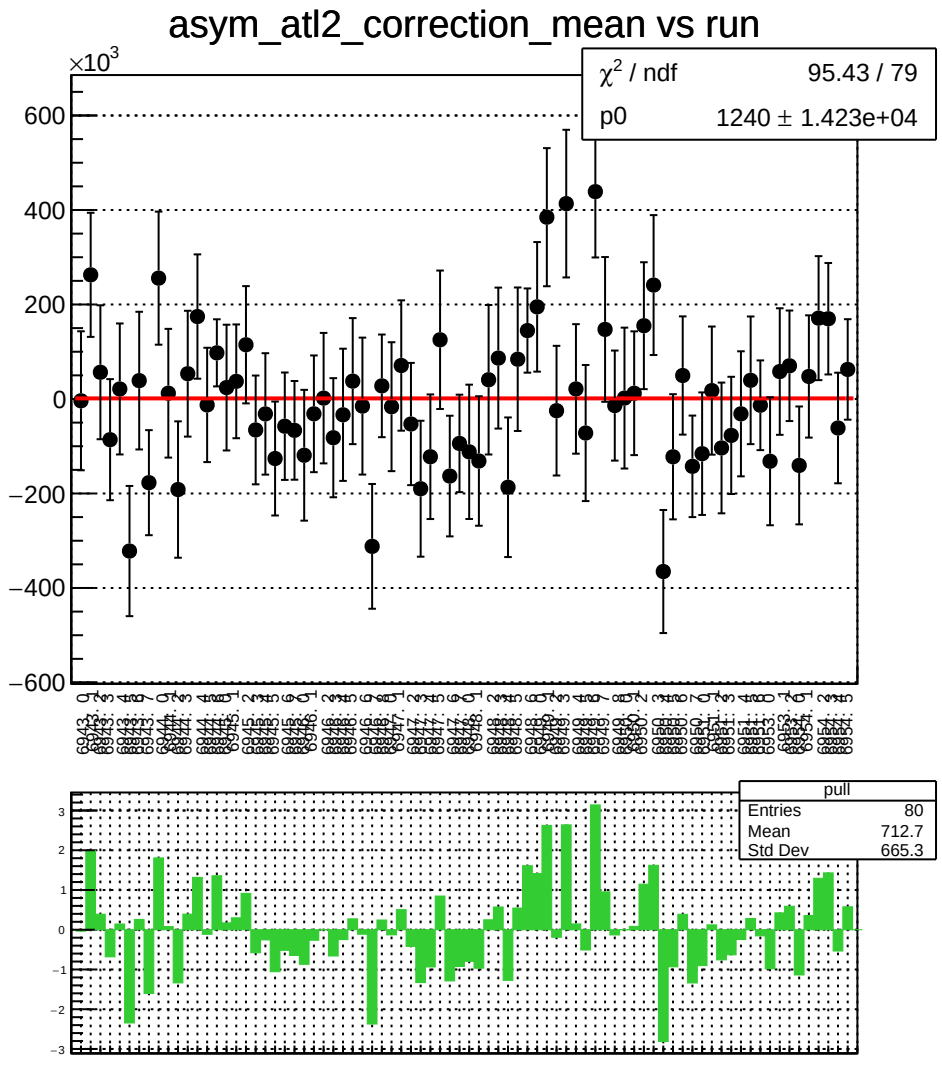

pull1D
Entries 80
Mean −0.002744
Std Dev 0.9828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

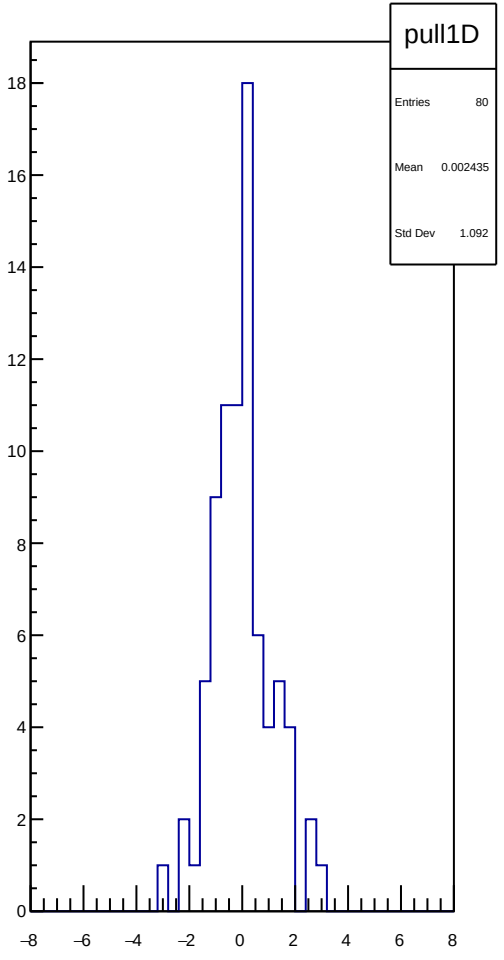

asym_atl1_rms vs run
χ² / ndf 1.073e+04 / 79
p0 2620 ± 2.081
10000
8000
6000
4000
2000


dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 86.38 / 79
p0 2014 ± 3088
pull
Entries 80
Mean −104.3
Std Dev 148.4

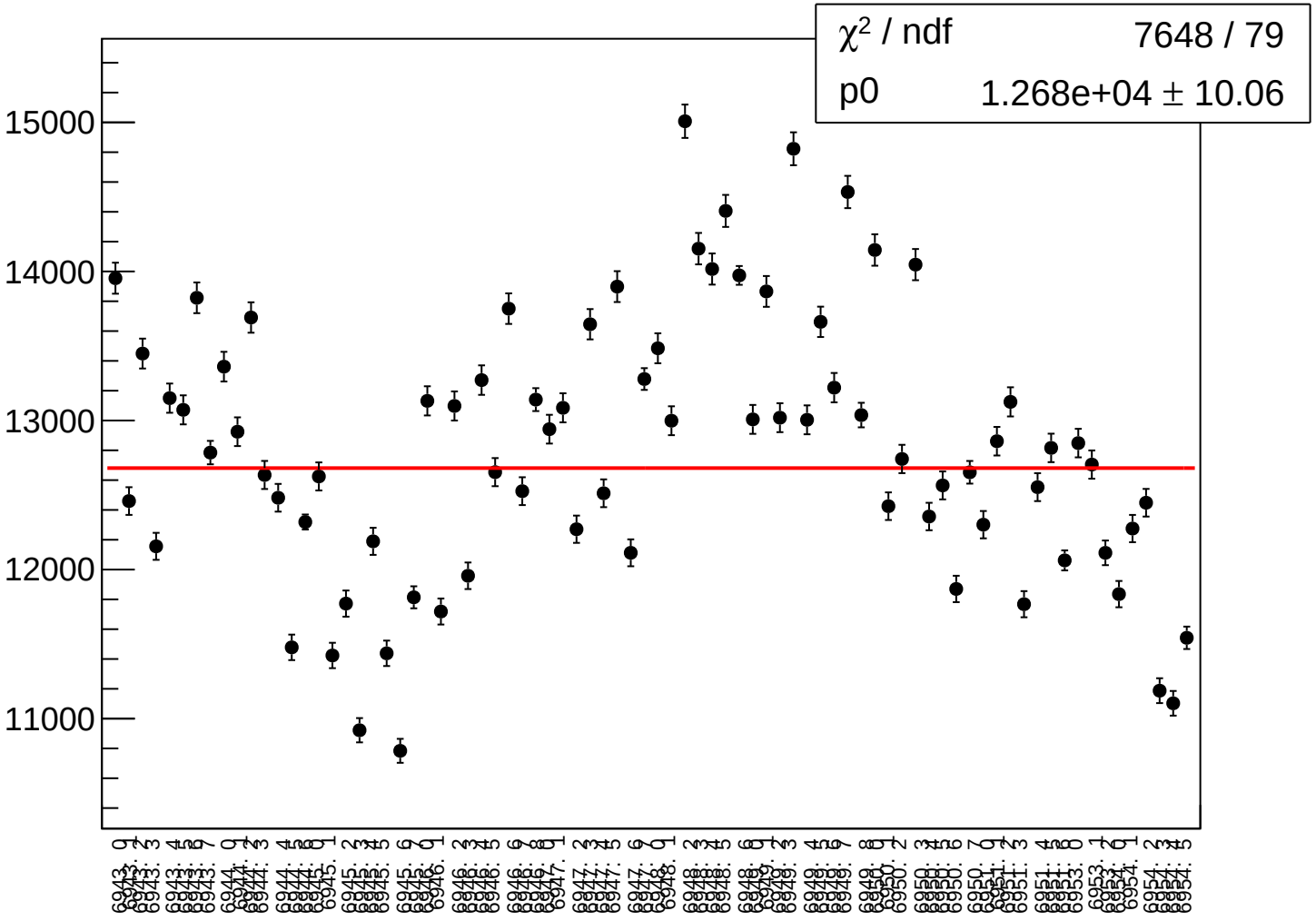

pull1D
Entries 80
Mean −0.01979
Std Dev 1.039

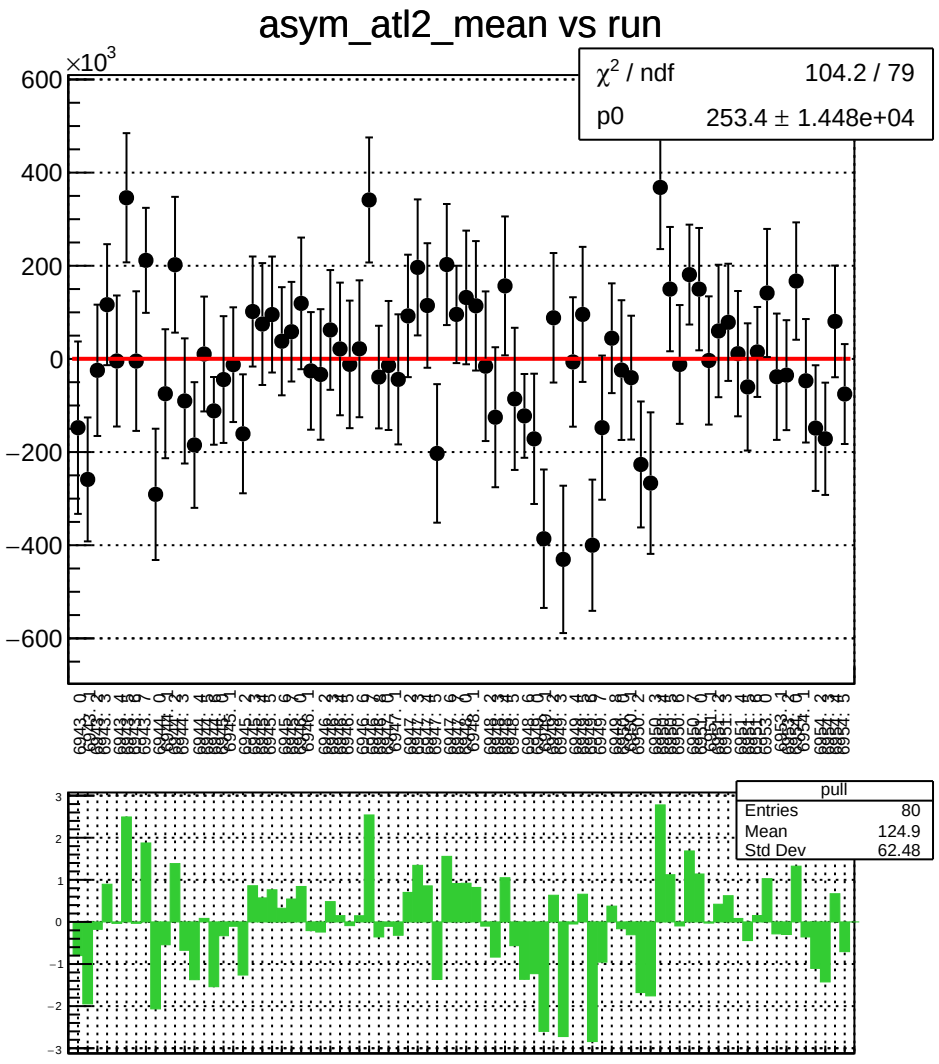

dit_asym_atl2_rms vs run
χ^2 / ndf 1.017e+04 / 79
p0 2750 ± 2.184
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

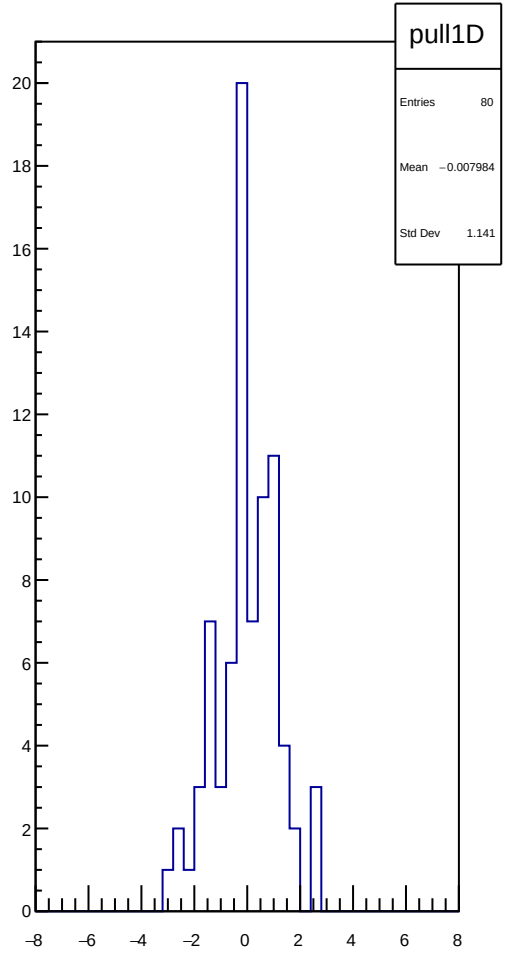

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 95.43 / 79
p0 1240 ± 1.423e+04
pull
Entries 80
Mean 712.7
Std Dev 665.3

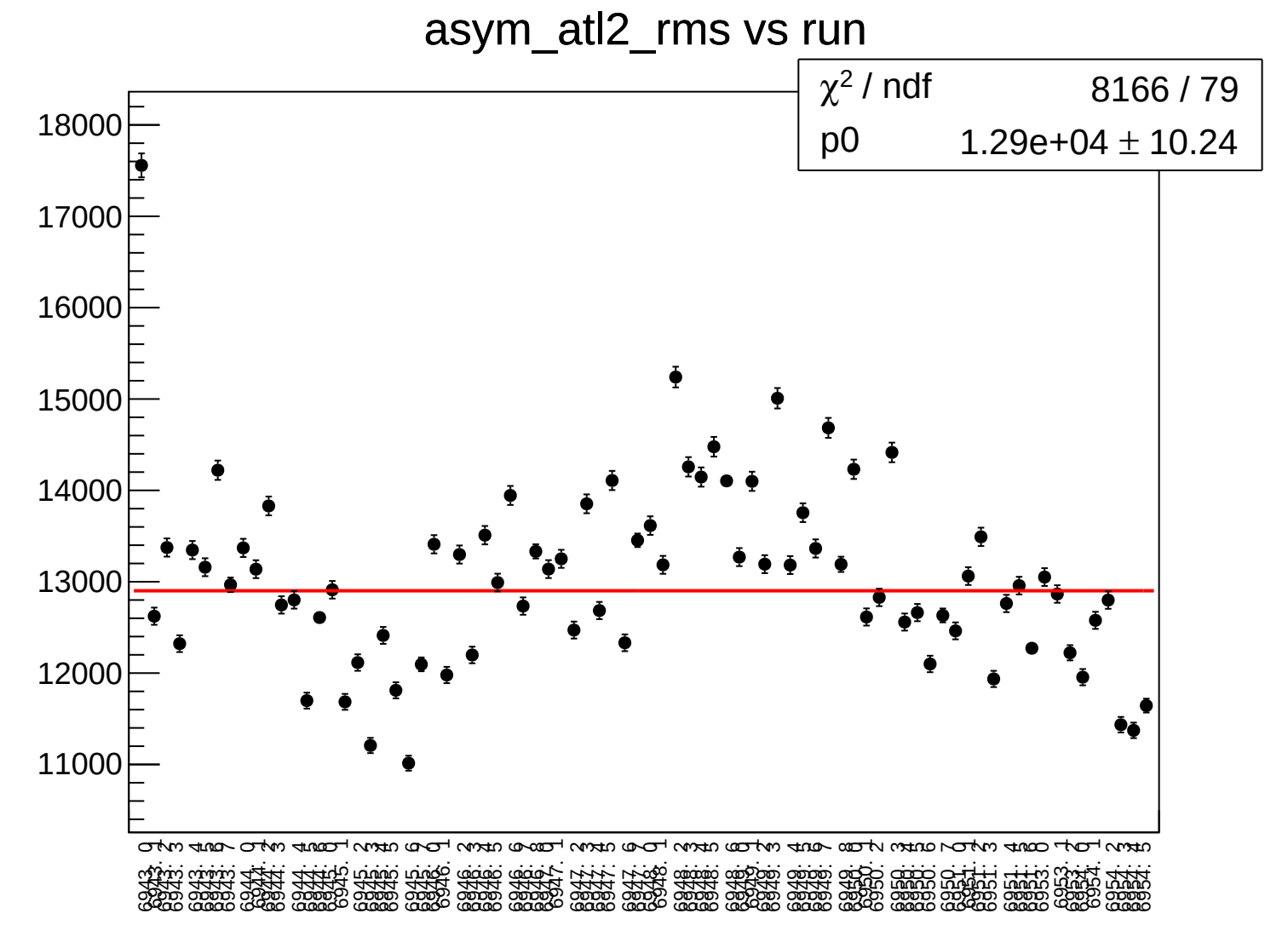

pull1D
Entries 80
Mean 0.002435
Std Dev 1.092

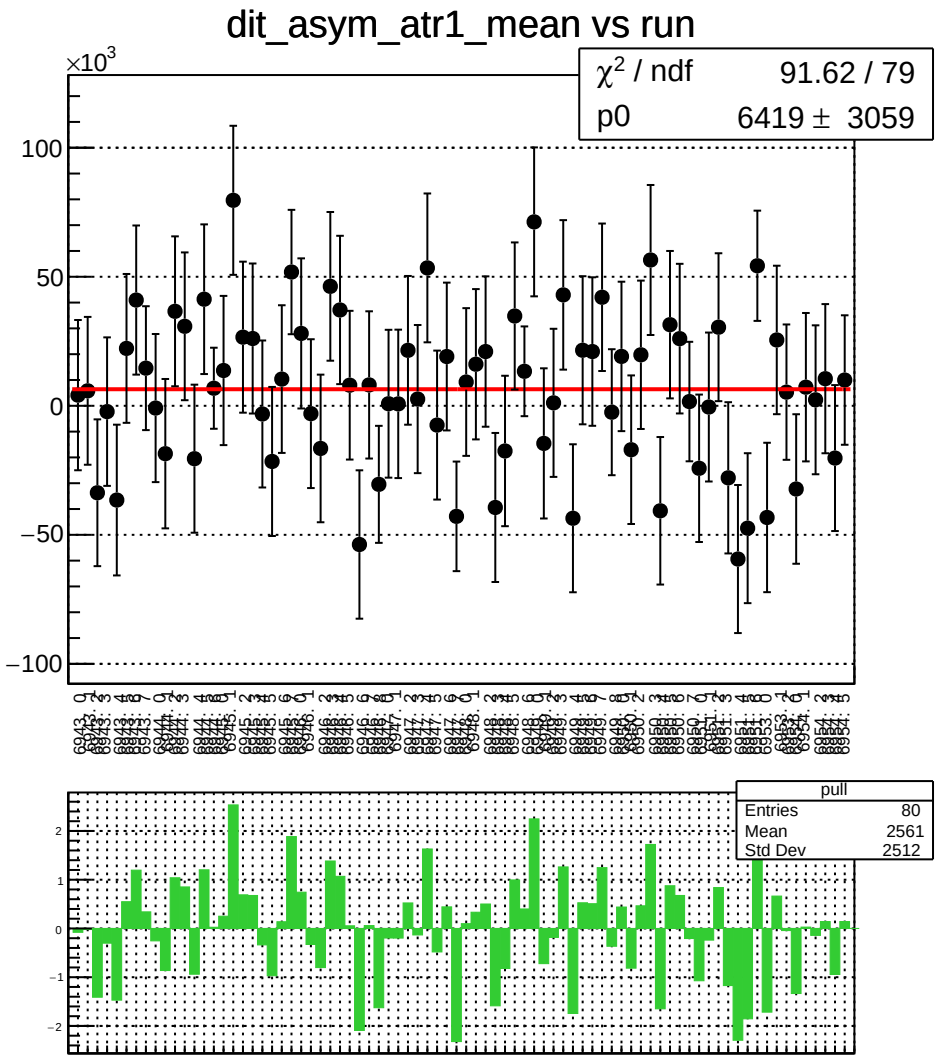
asym_atl2_correction_rms vs run

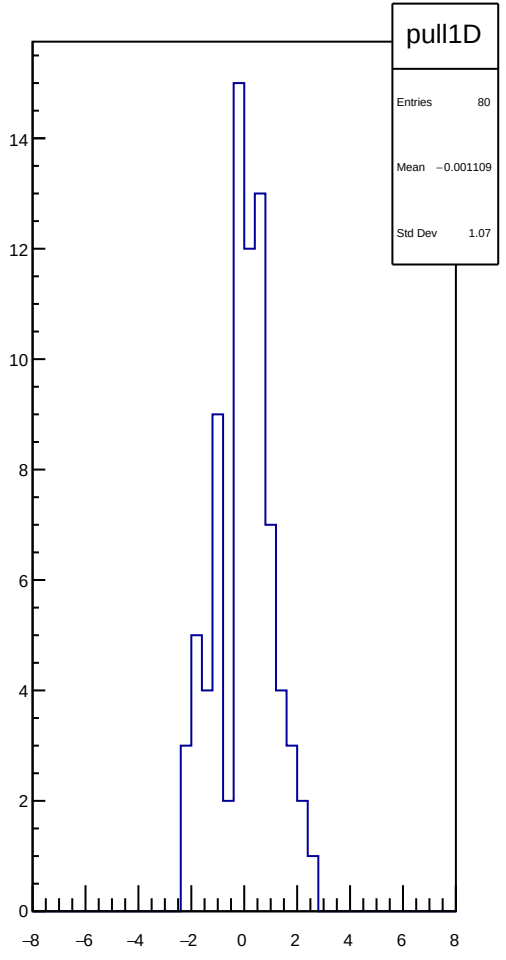


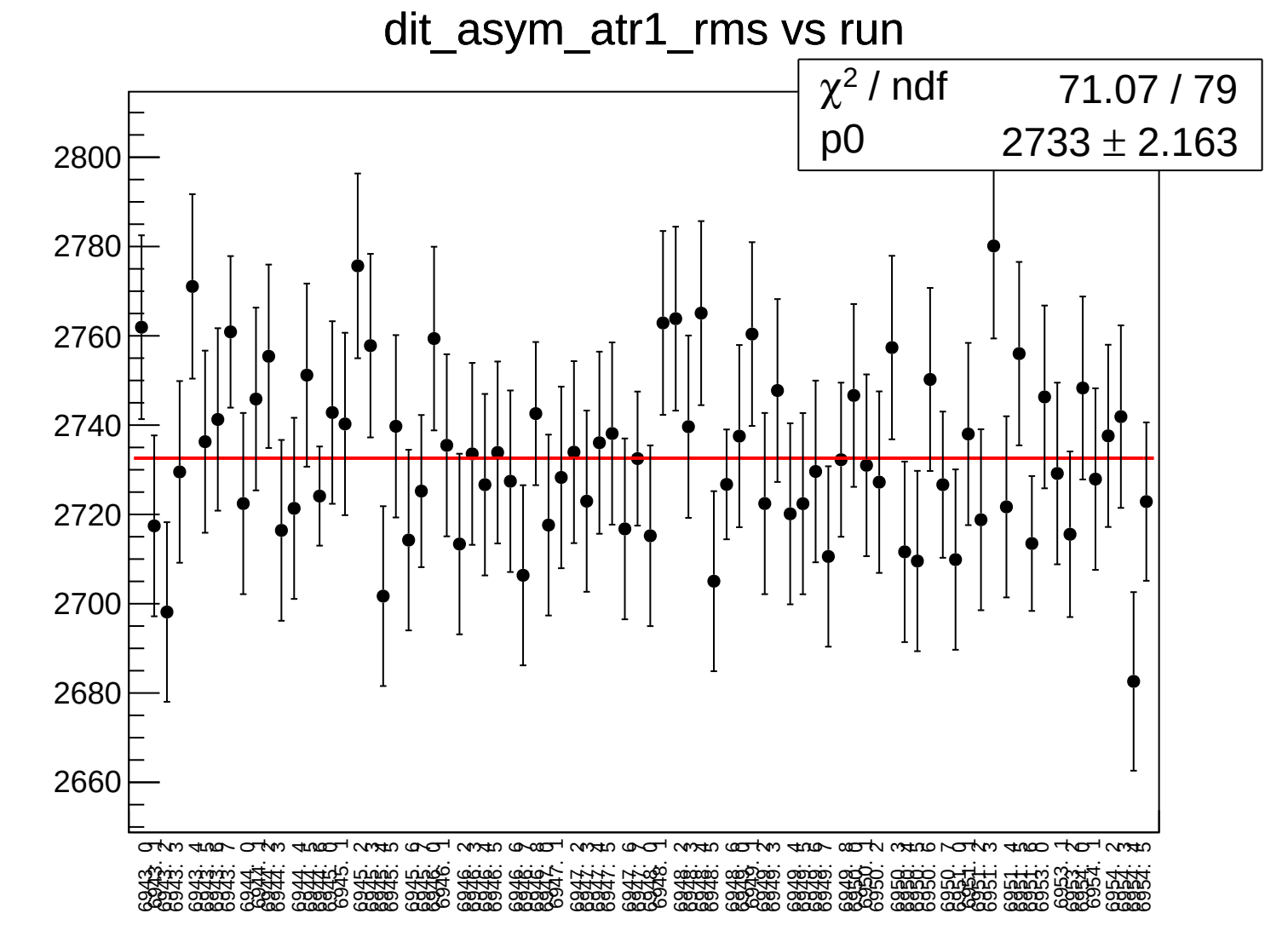

asym_atl2_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 104.2 / 79
p0 253.4 ± 1.448e+04
pull
Entries 80
Mean 124.9
Std Dev 62.48
3
2
1
0
−1
−2
−3

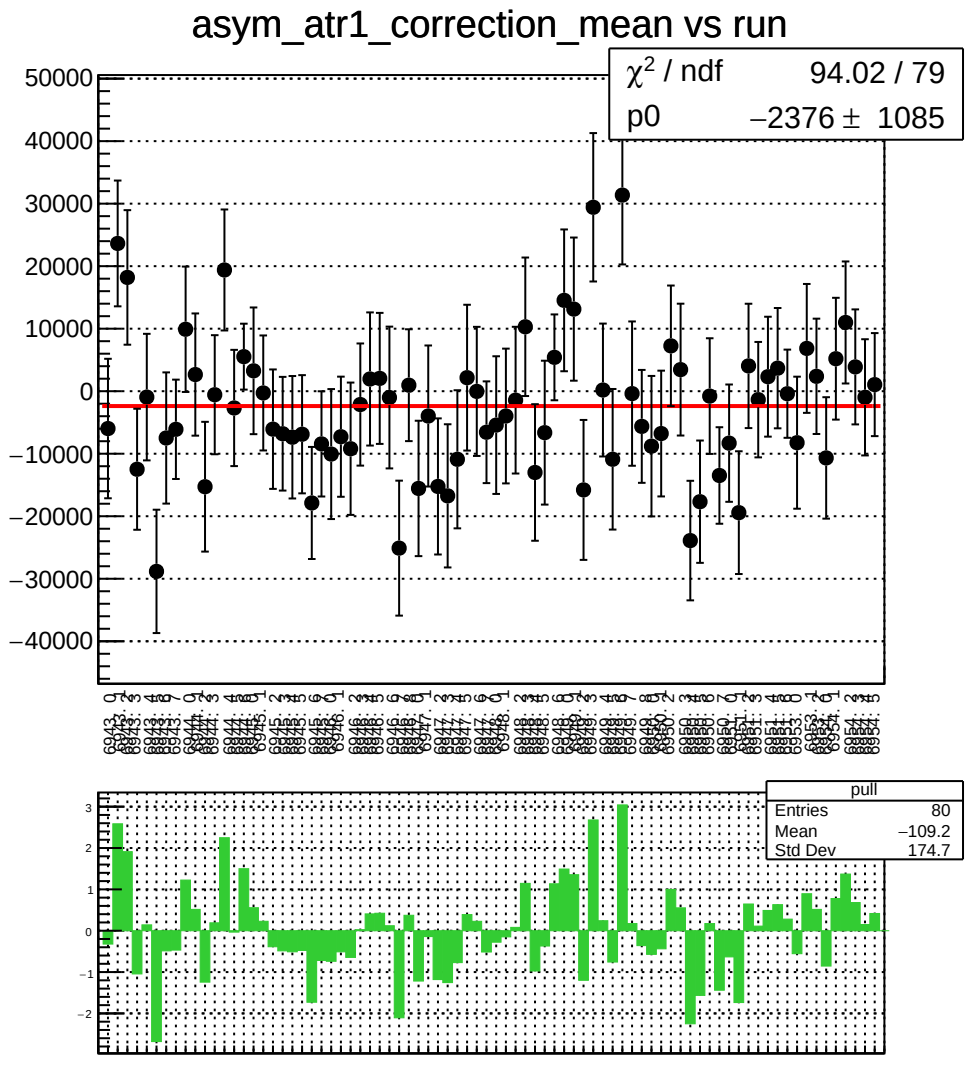

pull1D
Entries 80
Mean −0.007984
Std Dev 1.141
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

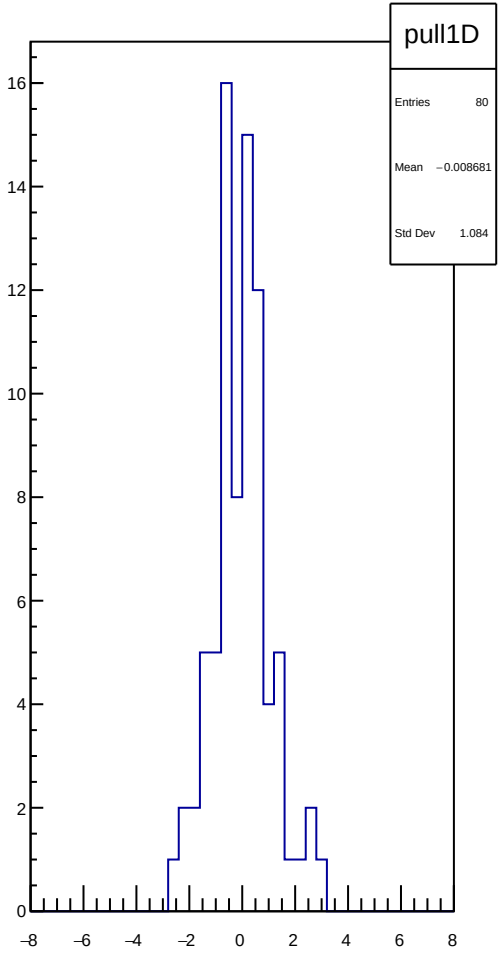

asym_atl2_rms vs run
χ² / ndf 8166 / 79
p0 1.29e+04 ± 10.24
18000
17000
16000
15000
14000
13000
12000
11000

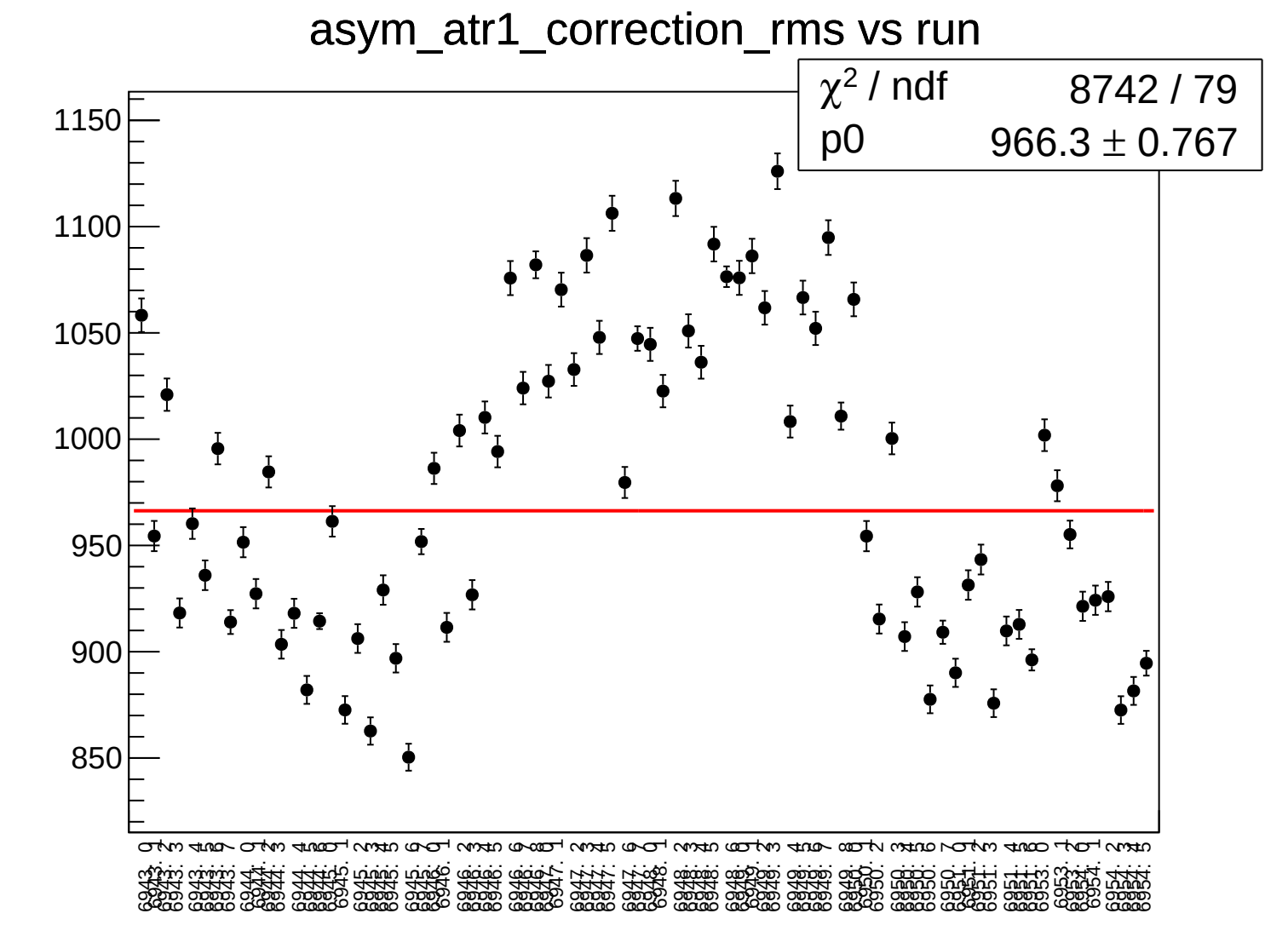

dit_asym_atr1_mean vs run
χ^2 / ndf 91.62 / 79
p0 6419 ± 3059
×10^3
100
50
0
−50
−100
pull
Entries 80
Mean 2561
Std Dev 2512
2
1
0
−1
−2

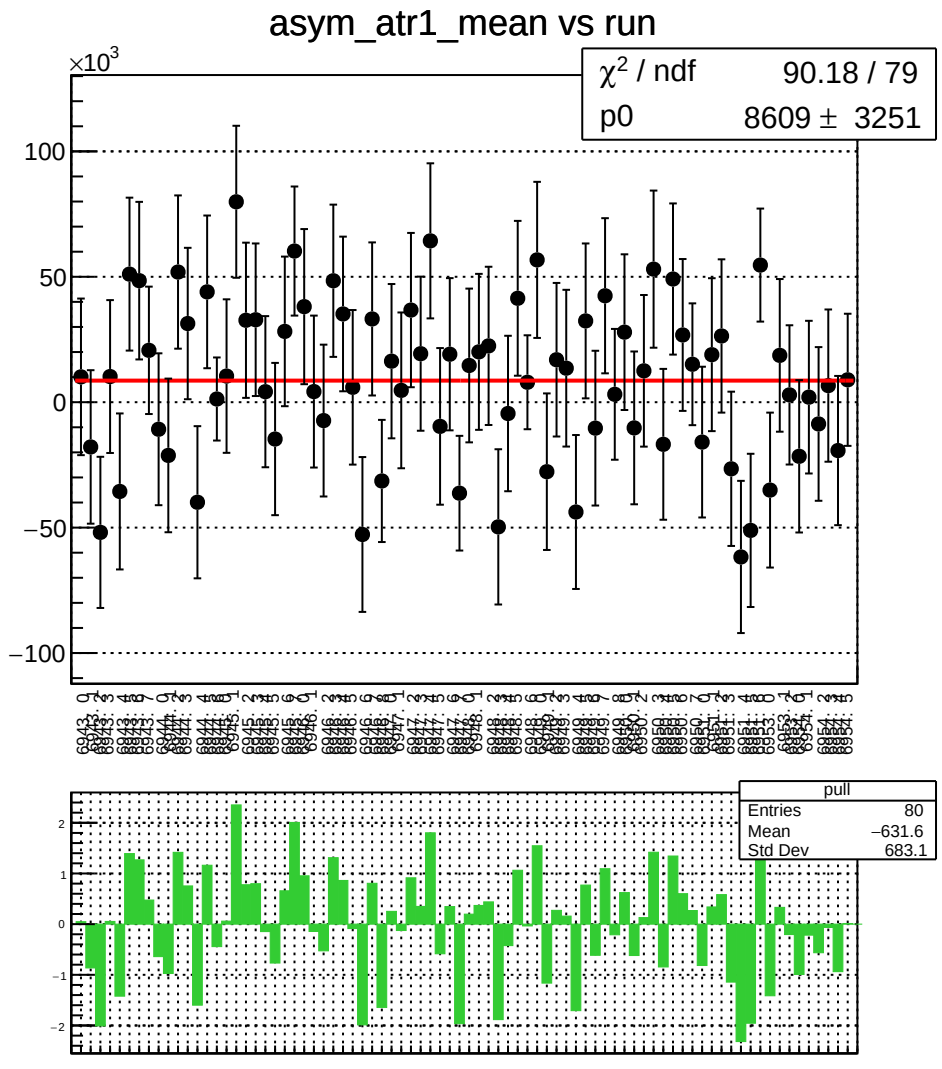

pull1D
Entries 80
Mean −0.001109
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

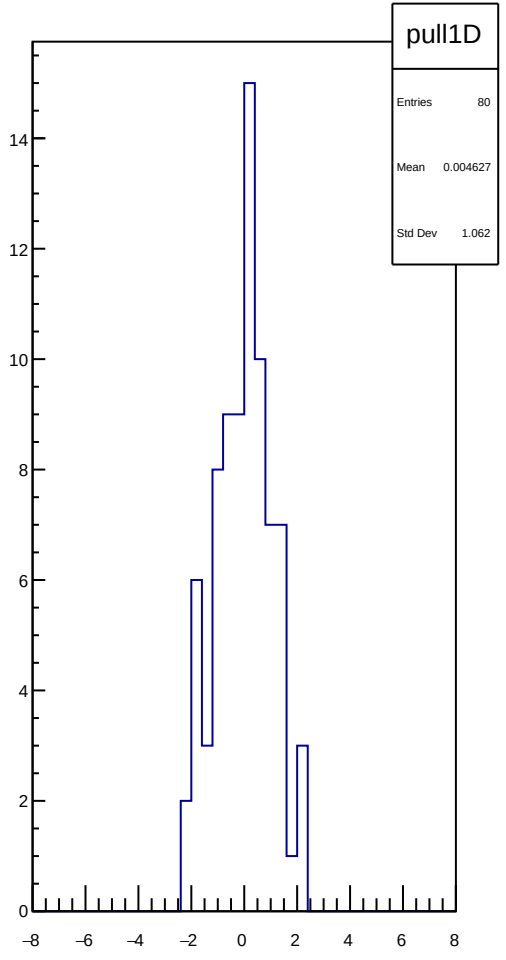

dit_asym_atr1_rms vs run
χ² / ndf 71.07 / 79
p0 2733 ± 2.163
2800
2780
2760
2740
2720
2700
2680
2660

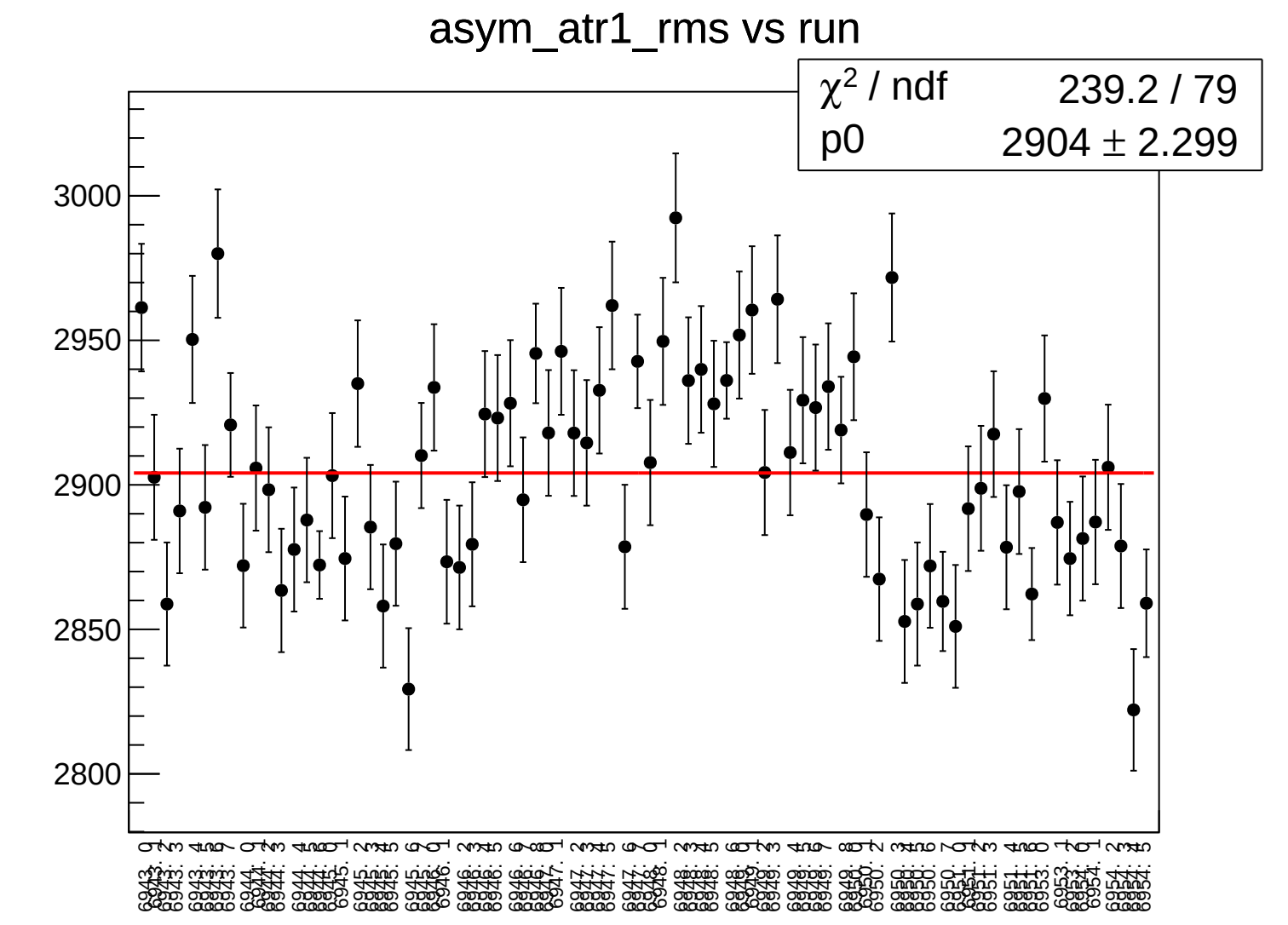

asym_atr1_correction_mean vs run
χ² / ndf 94.02 / 79
p0 −2376 ± 1085
pull
Entries 80
Mean −109.2
Std Dev 174.7

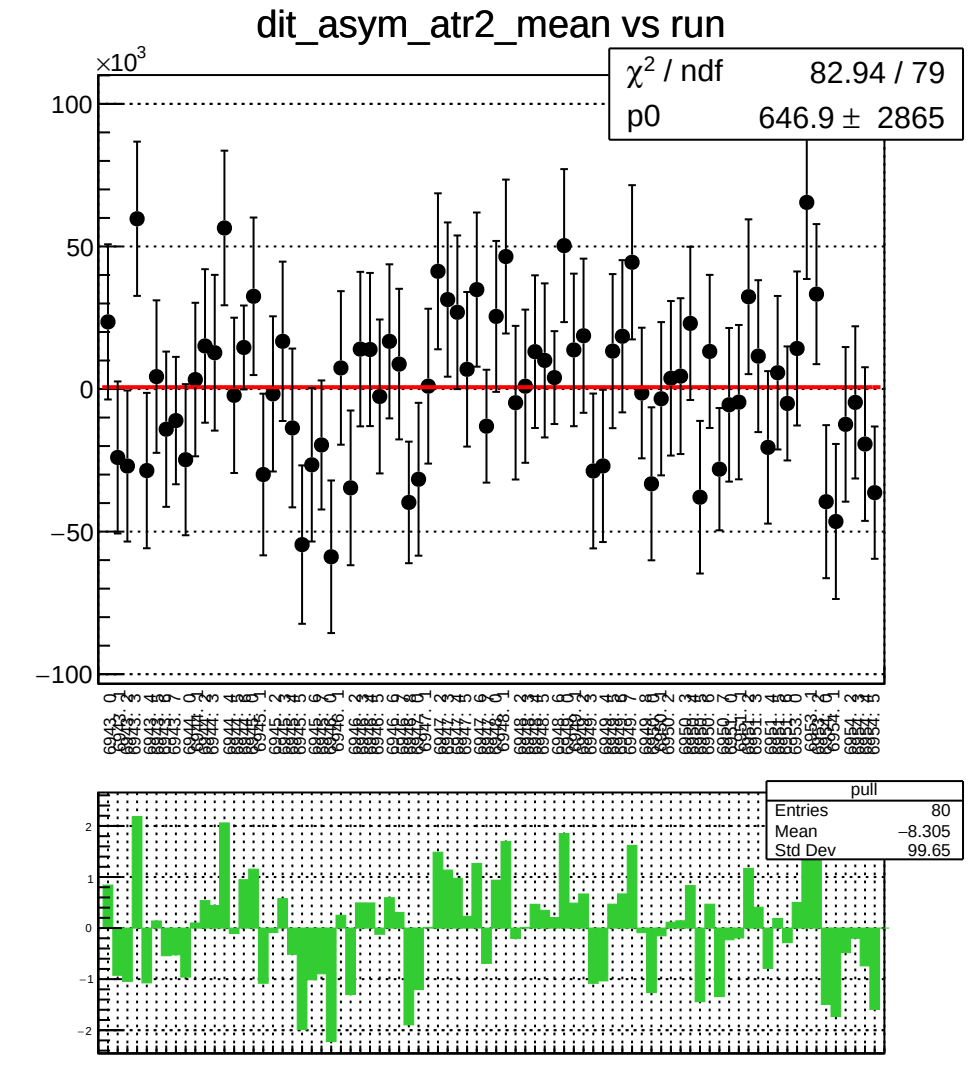

pull1D
Entries 80
Mean −0.008681
Std Dev 1.084

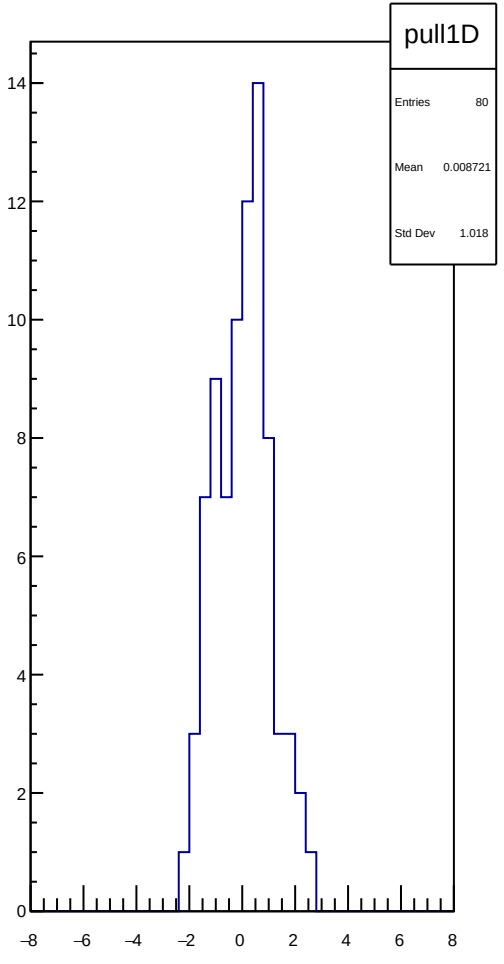

asym_atr1_correction_rms vs run
χ² / ndf 8742 / 79
p0 966.3 ± 0.767
1150
1100
1050
1000
950
900
850

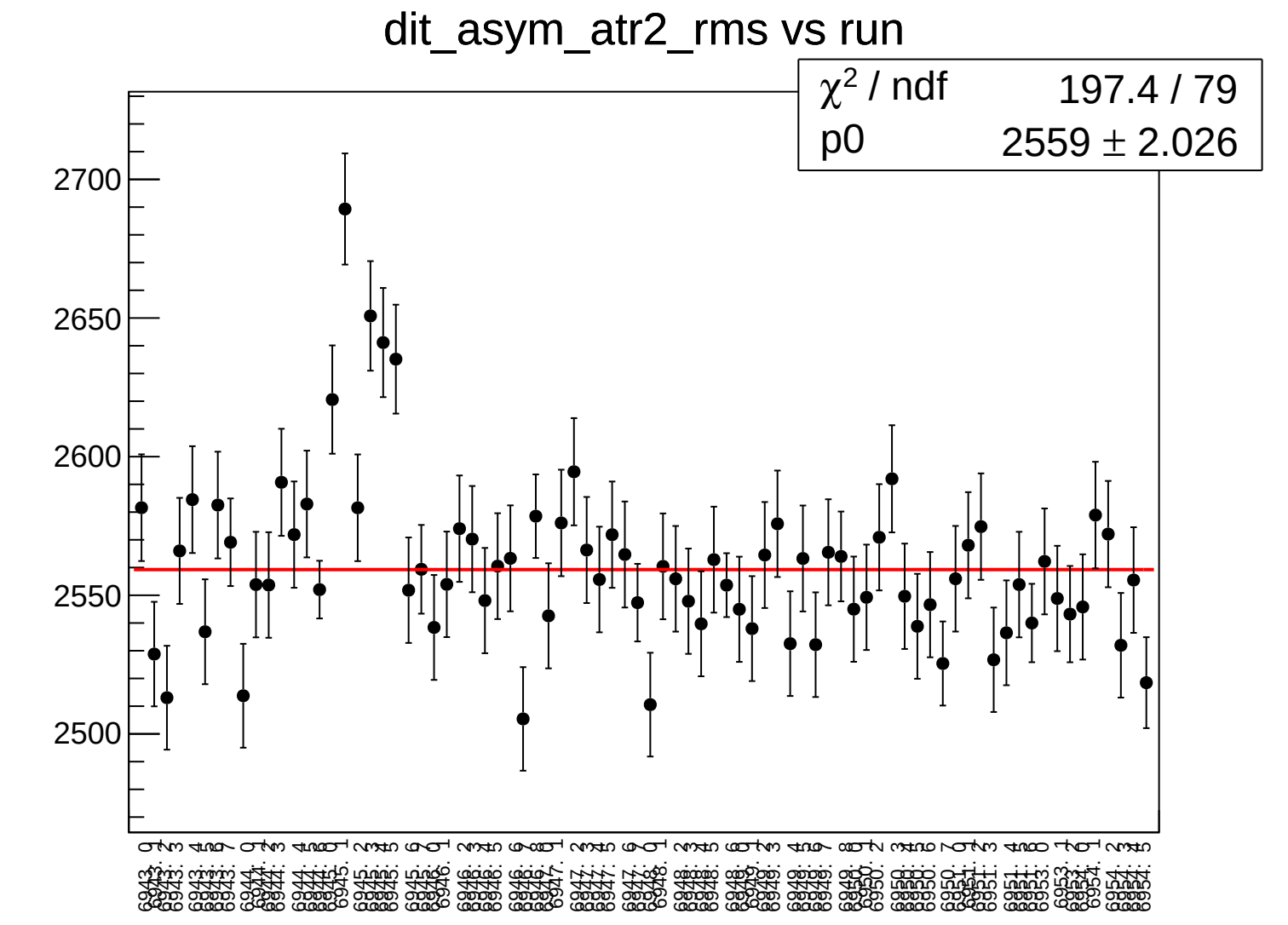

asym_atr1_mean vs run
×10^3
χ² / ndf 90.18 / 79
p0 8609 ± 3251
100
50
0
−50
−100
pull
Entries 80
Mean −631.6
Std Dev 683.1
2
1
0
−1
−2

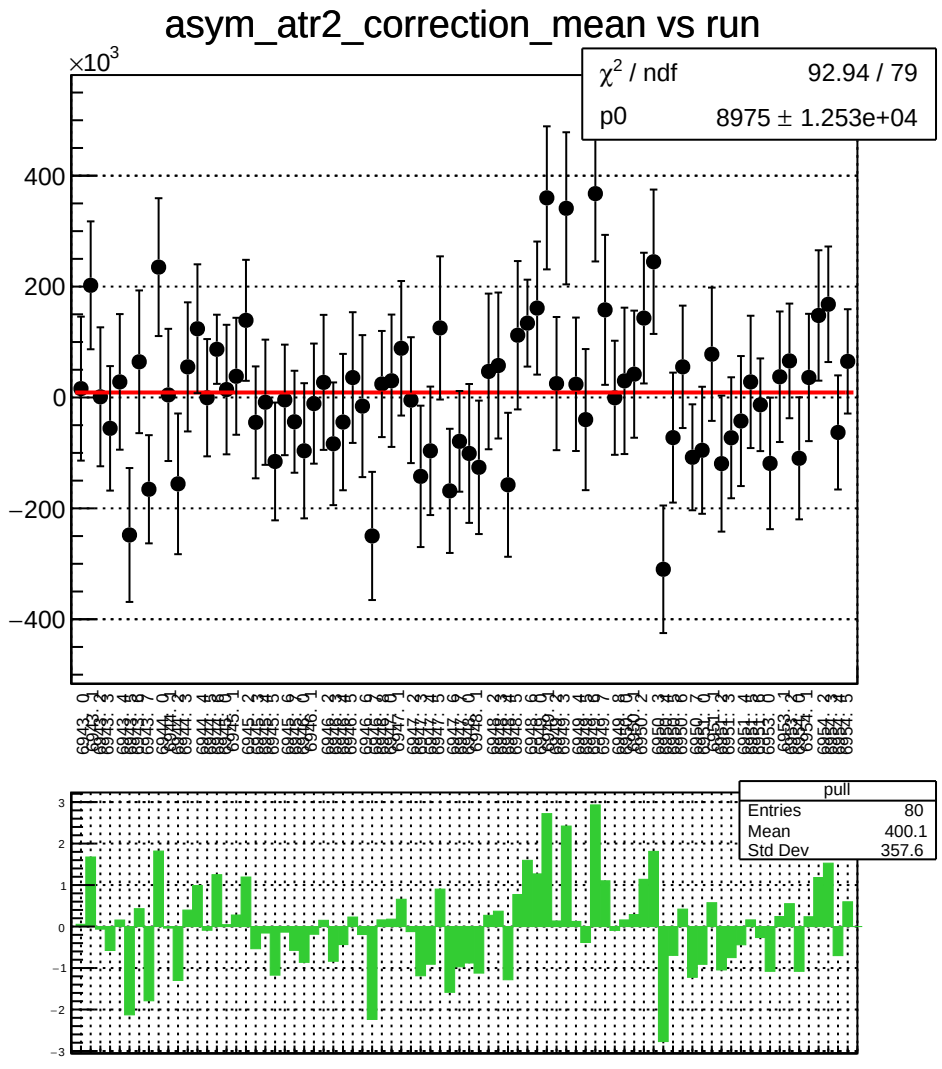

pull1D
Entries 80
Mean 0.004627
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

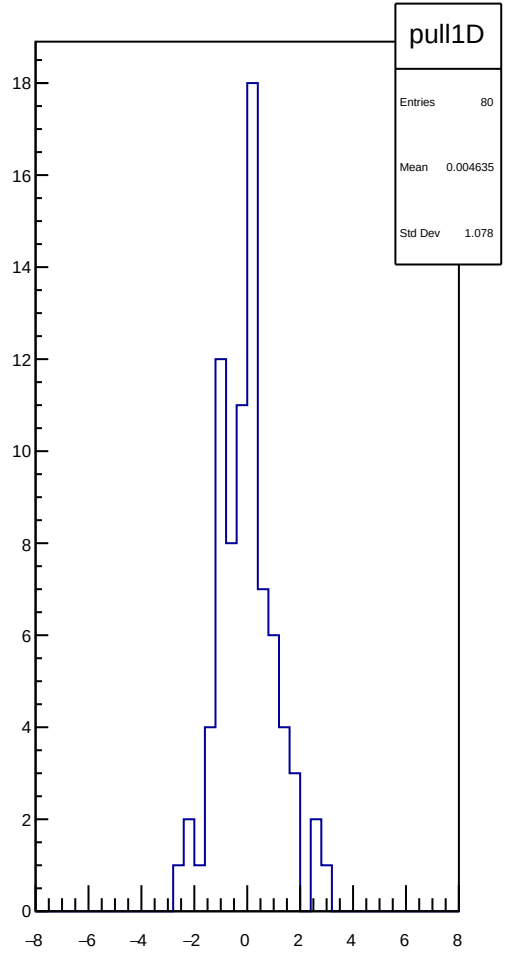

asym_atr1_rms vs run
χ^2 / ndf 239.2 / 79
p0 2904 ± 2.299
3000
2950
2900
2850
2800

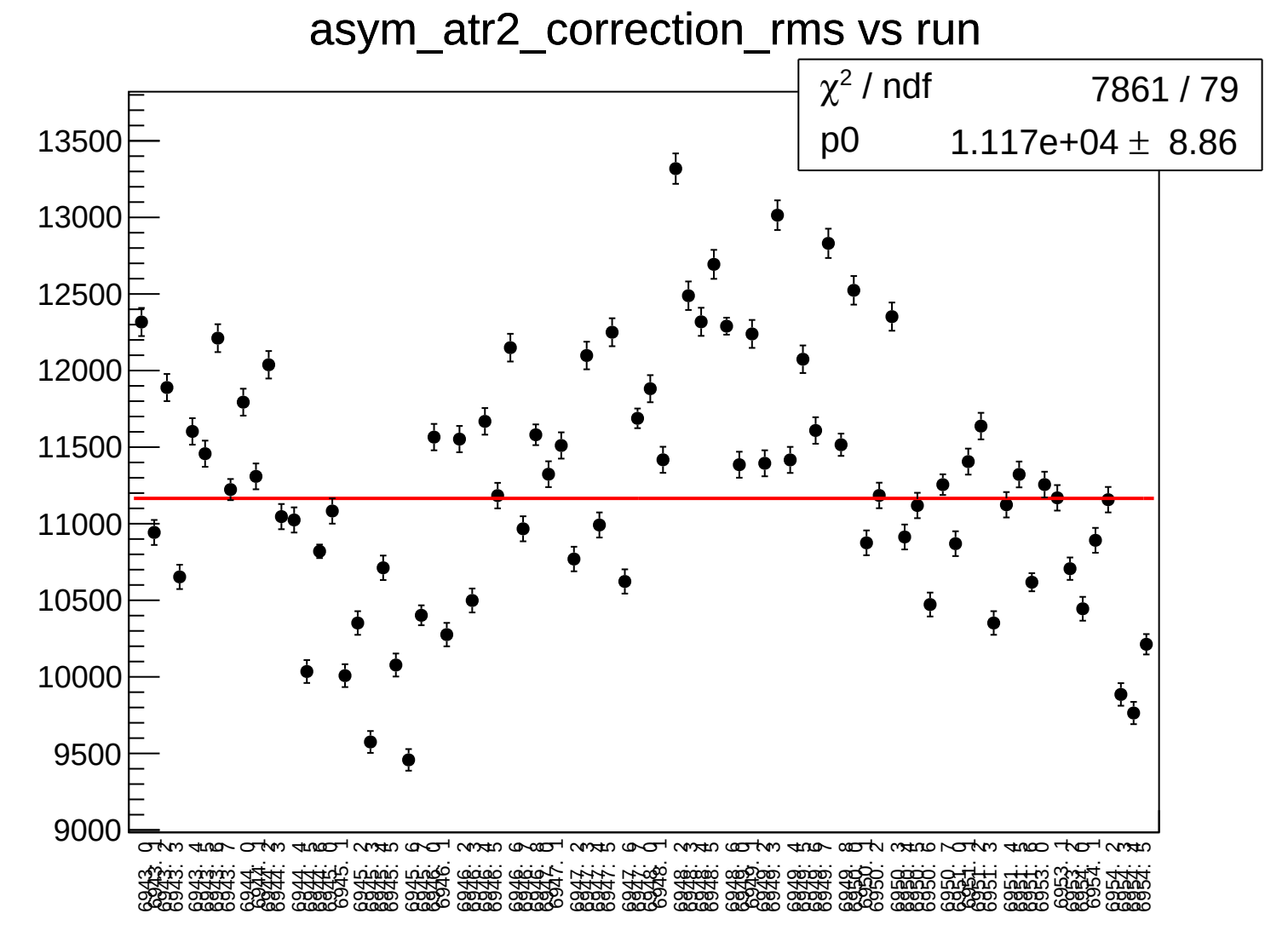

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 82.94 / 79
p0 646.9 ± 2865
100
50
0
−50
−100
pull
Entries 80
Mean −8.305
Std Dev 99.65
2
1
0
−1
−2

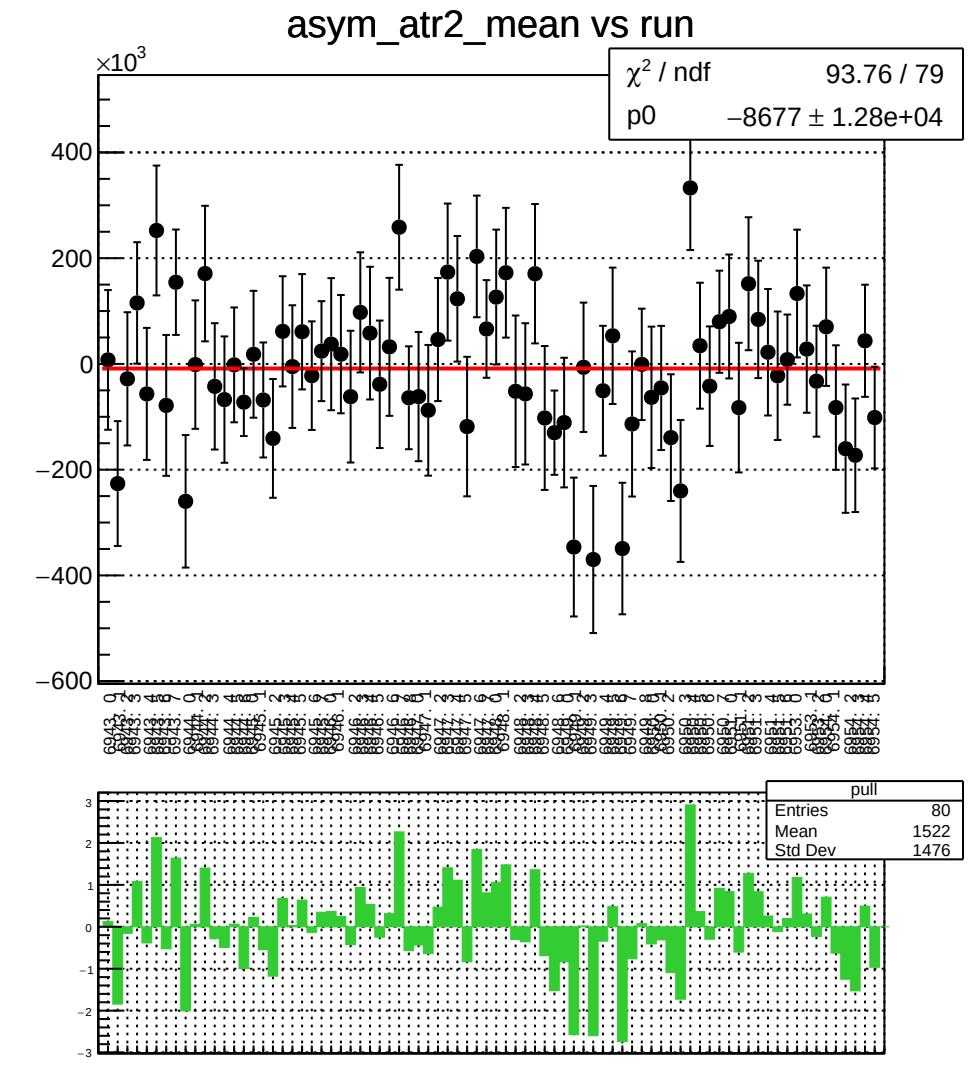

pull1D
Entries 80
Mean 0.008721
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

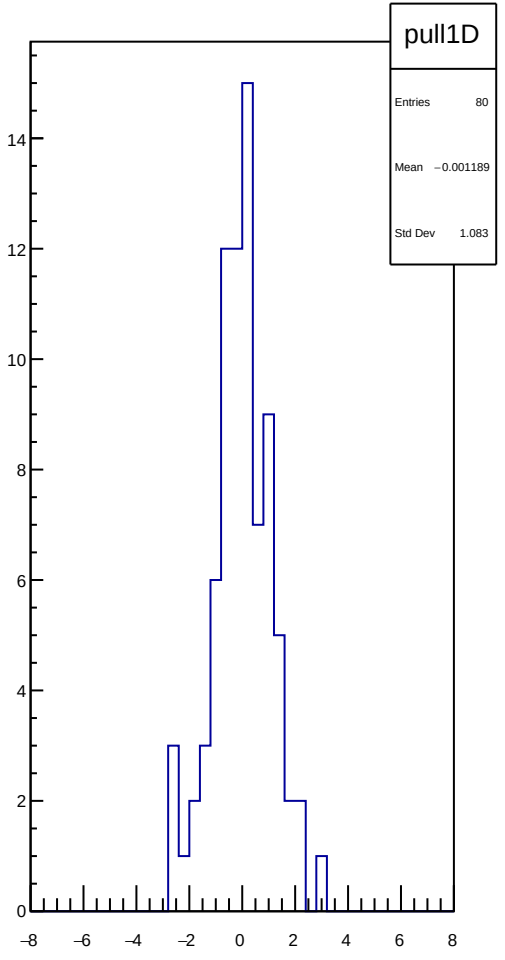

dit_asym_atr2_rms vs run
χ² / ndf 197.4 / 79
p0 2559 ± 2.026
2700
2650
2600
2550
2500

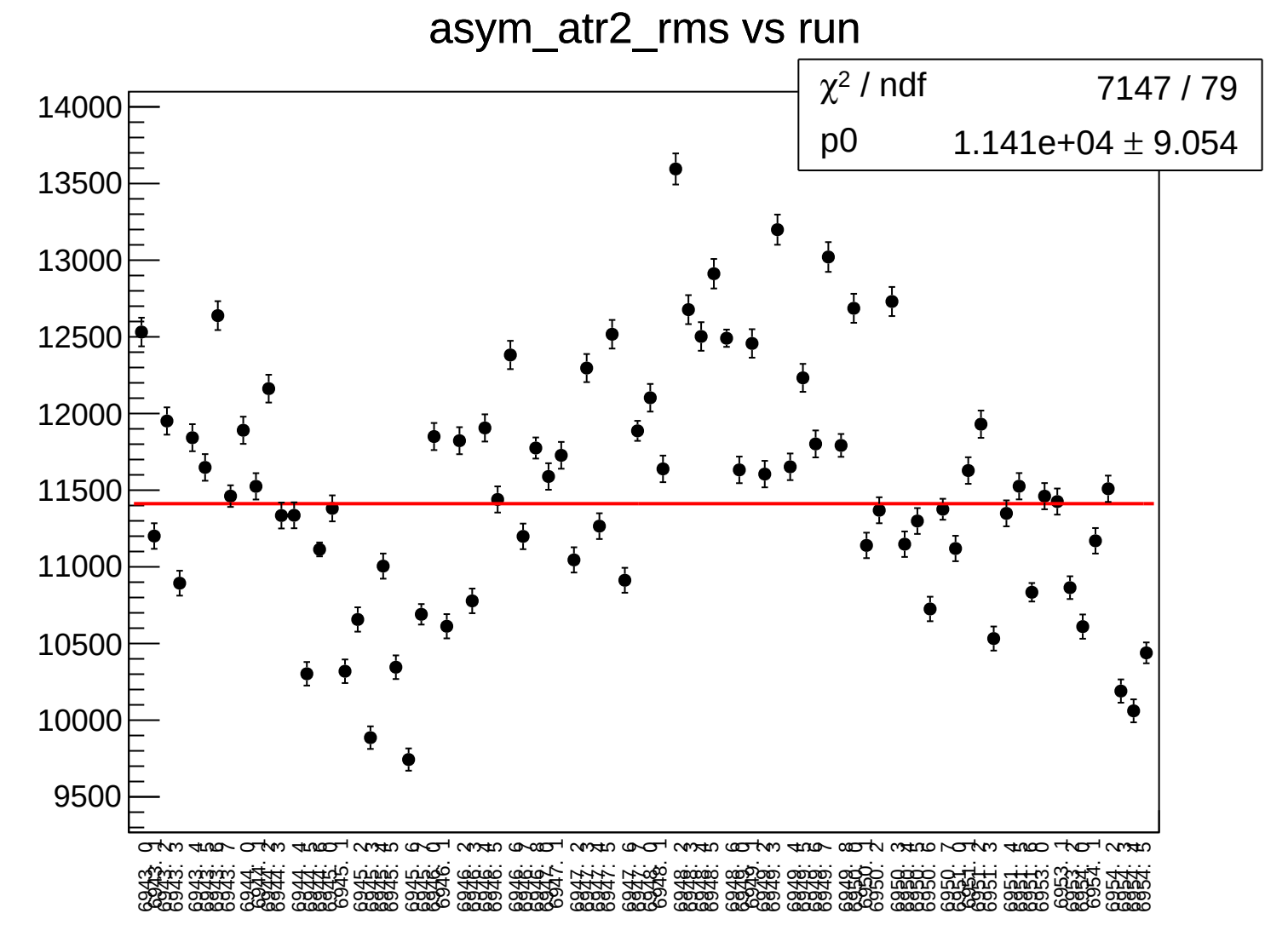

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 92.94 / 79
p0 8975 ± 1.253e+04
400
200
0
−200
−400
pull
Entries 80
Mean 400.1
Std Dev 357.6
3
2
1
0
−1
−2
−3

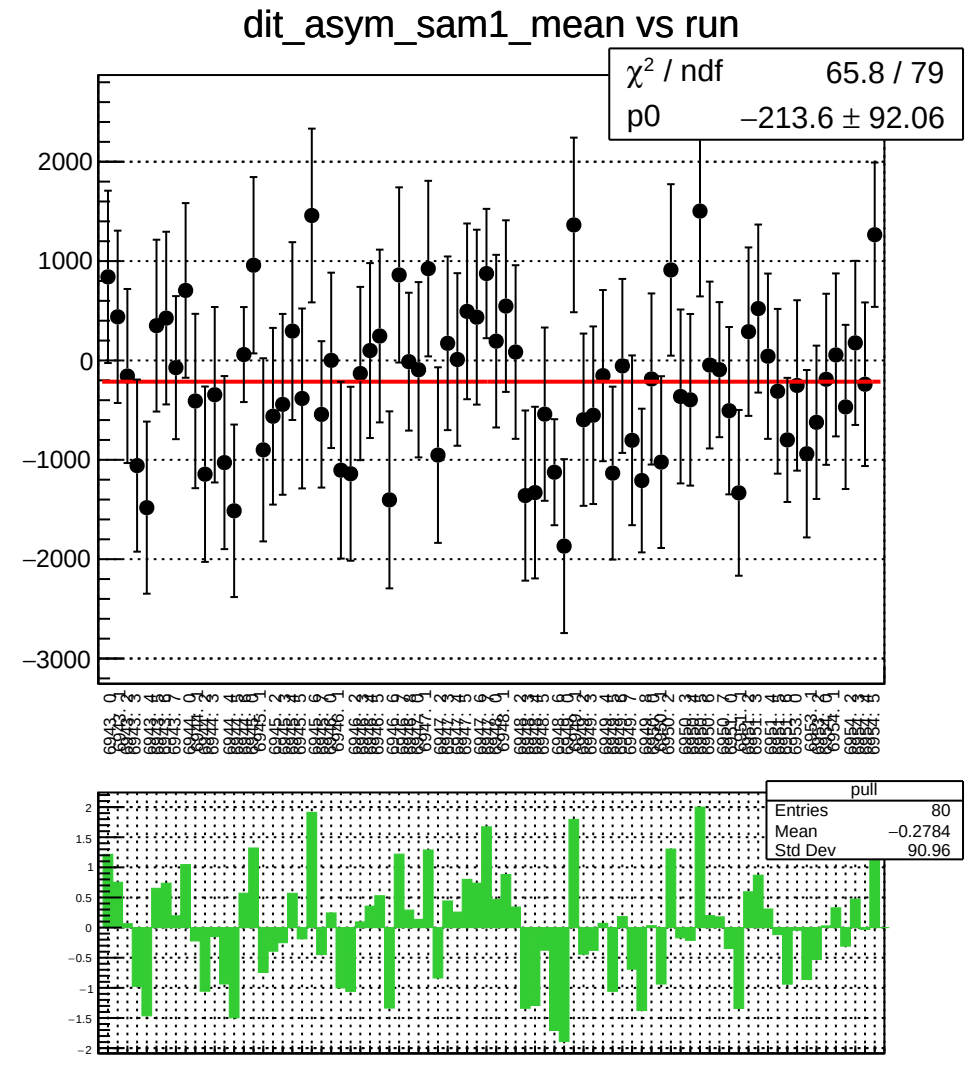

pull1D
Entries 80
Mean 0.004635
Std Dev 1.078
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

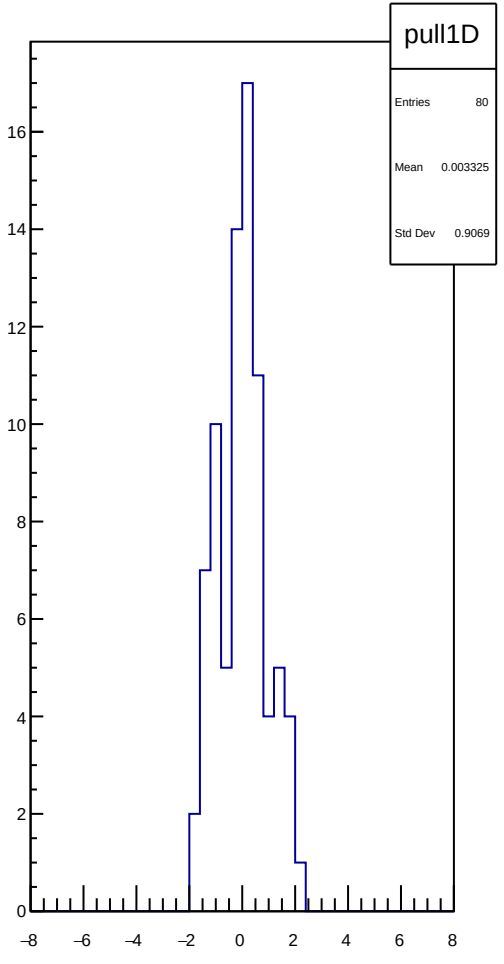

asym_atr2_correction_rms vs run
χ² / ndf 7861 / 79
p0 1.117e+04 ± 8.86
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000

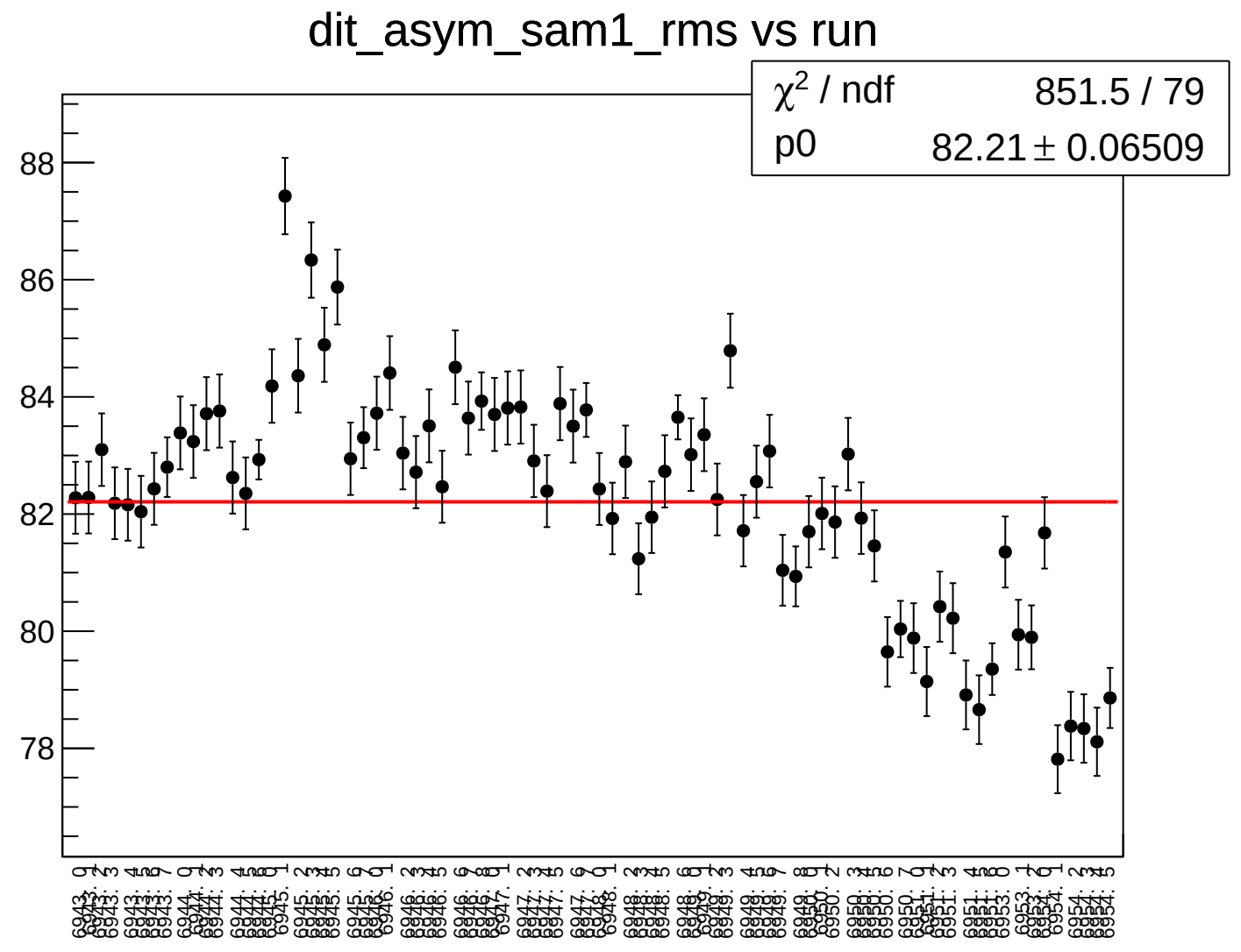

asym_atr2_mean vs run
×10^3
χ² / ndf 93.76 / 79
p0 −8677 ± 1.28e+04
pull
Entries 80
Mean 1522
Std Dev 1476

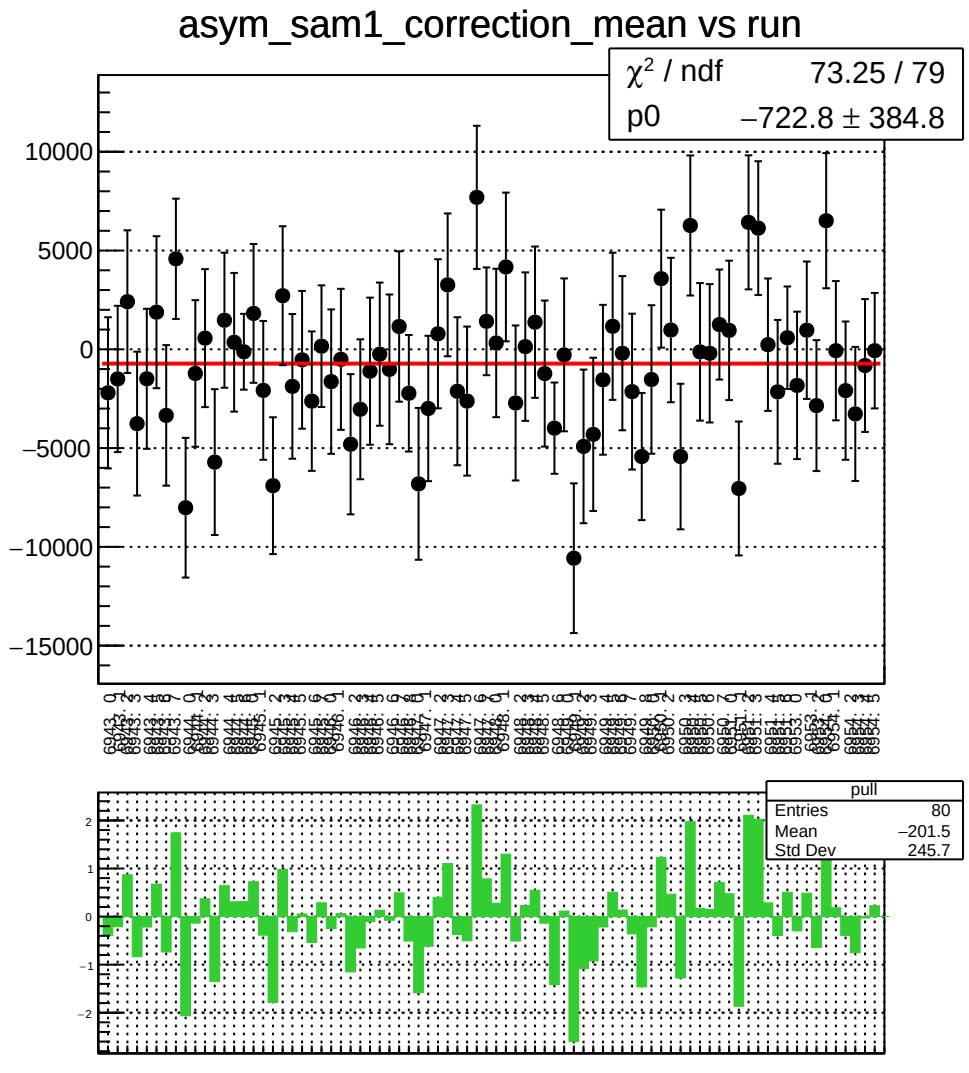

pull1D
Entries 80
Mean −0.001189
Std Dev 1.083

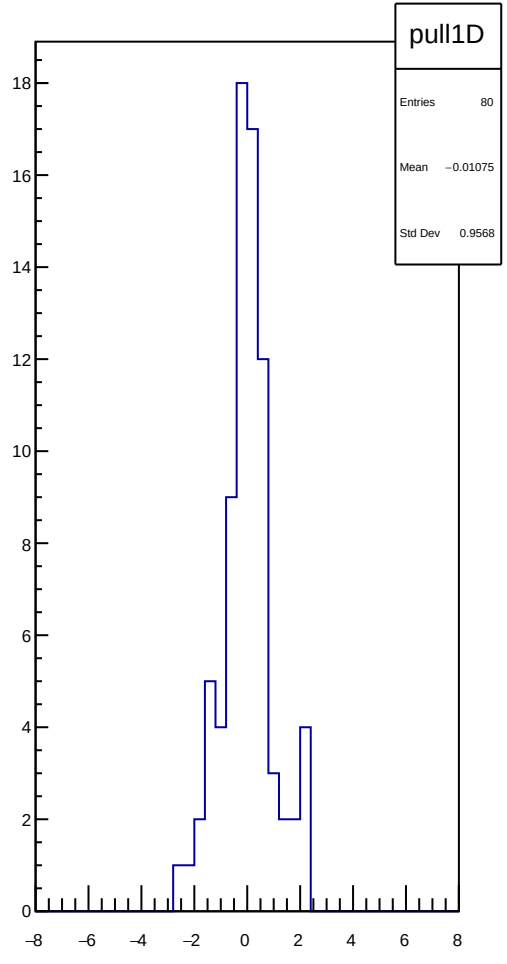

asym_atr2_rms vs run
χ² / ndf 7147 / 79
p0 1.141e+04 ± 9.054
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

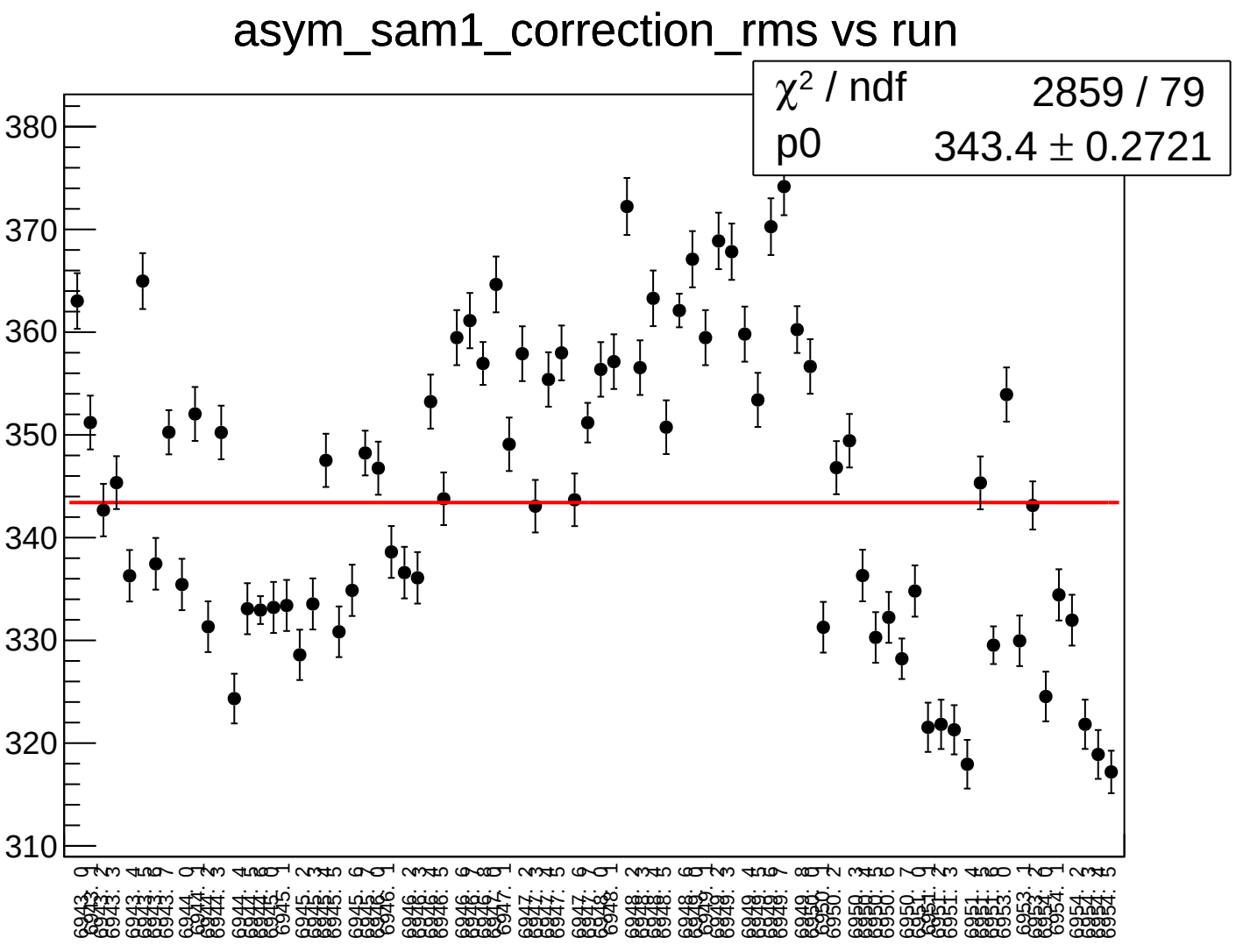

dit_asym_sam1_mean vs run
χ² / ndf 65.8 / 79
p0 −213.6 ± 92.06
pull
Entries 80
Mean −0.2784
Std Dev 90.96

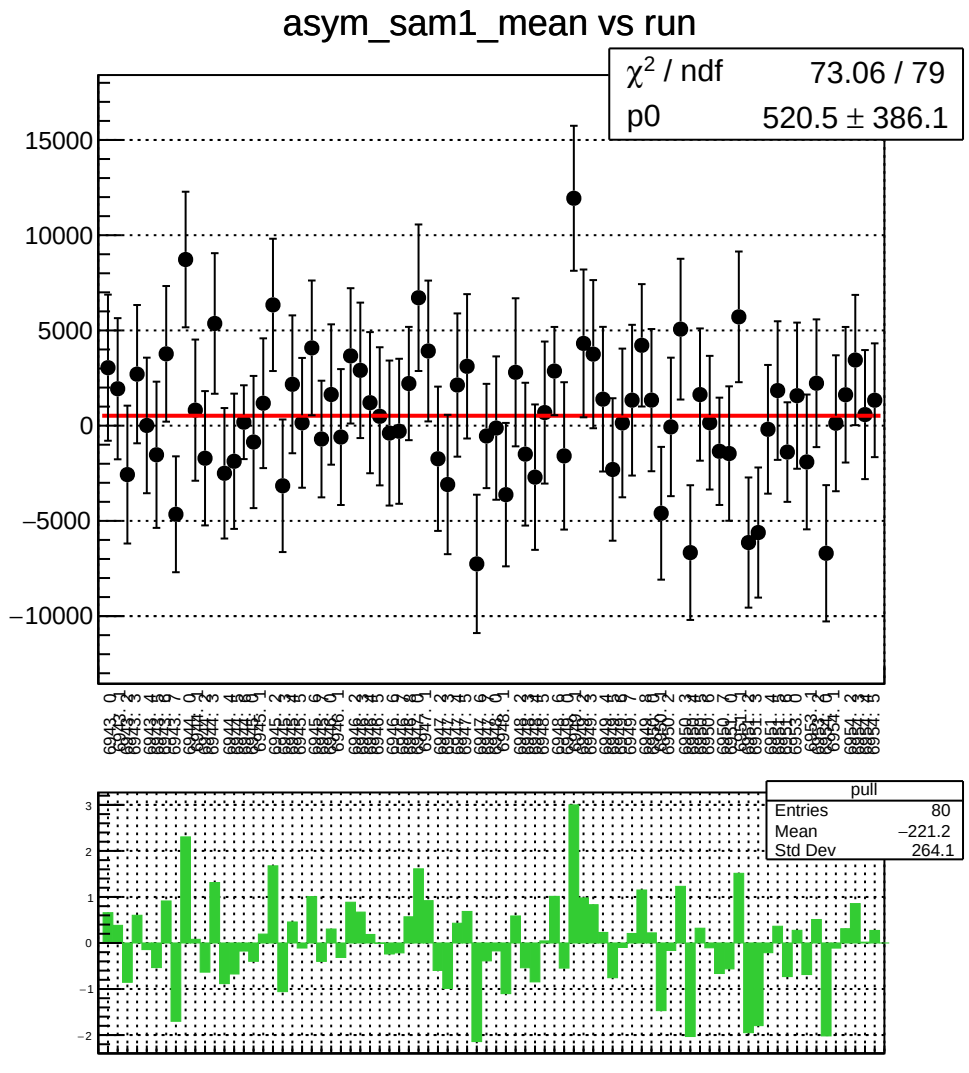

pull1D
Entries 80
Mean 0.003325
Std Dev 0.9069

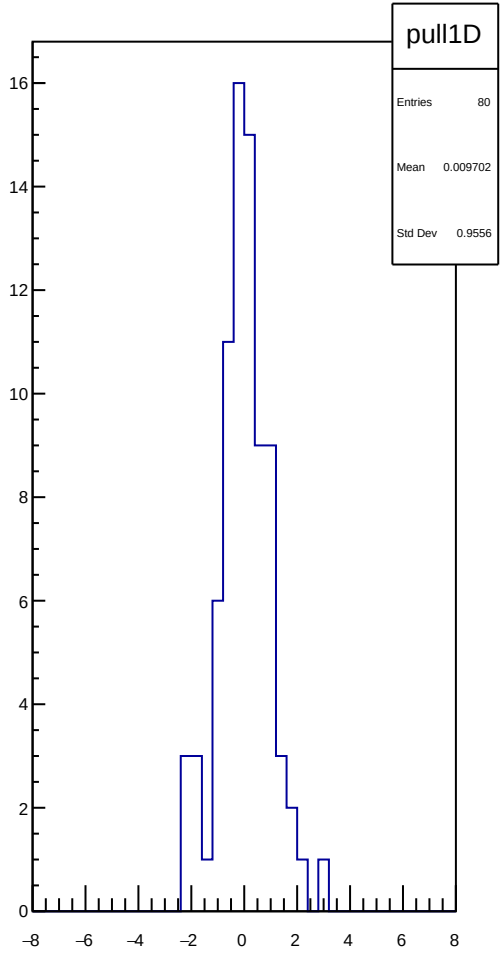

dit_asym_sam1_rms vs run
χ² / ndf 851.5 / 79
p0 82.21 ± 0.06509
88
86
84
82
80
78

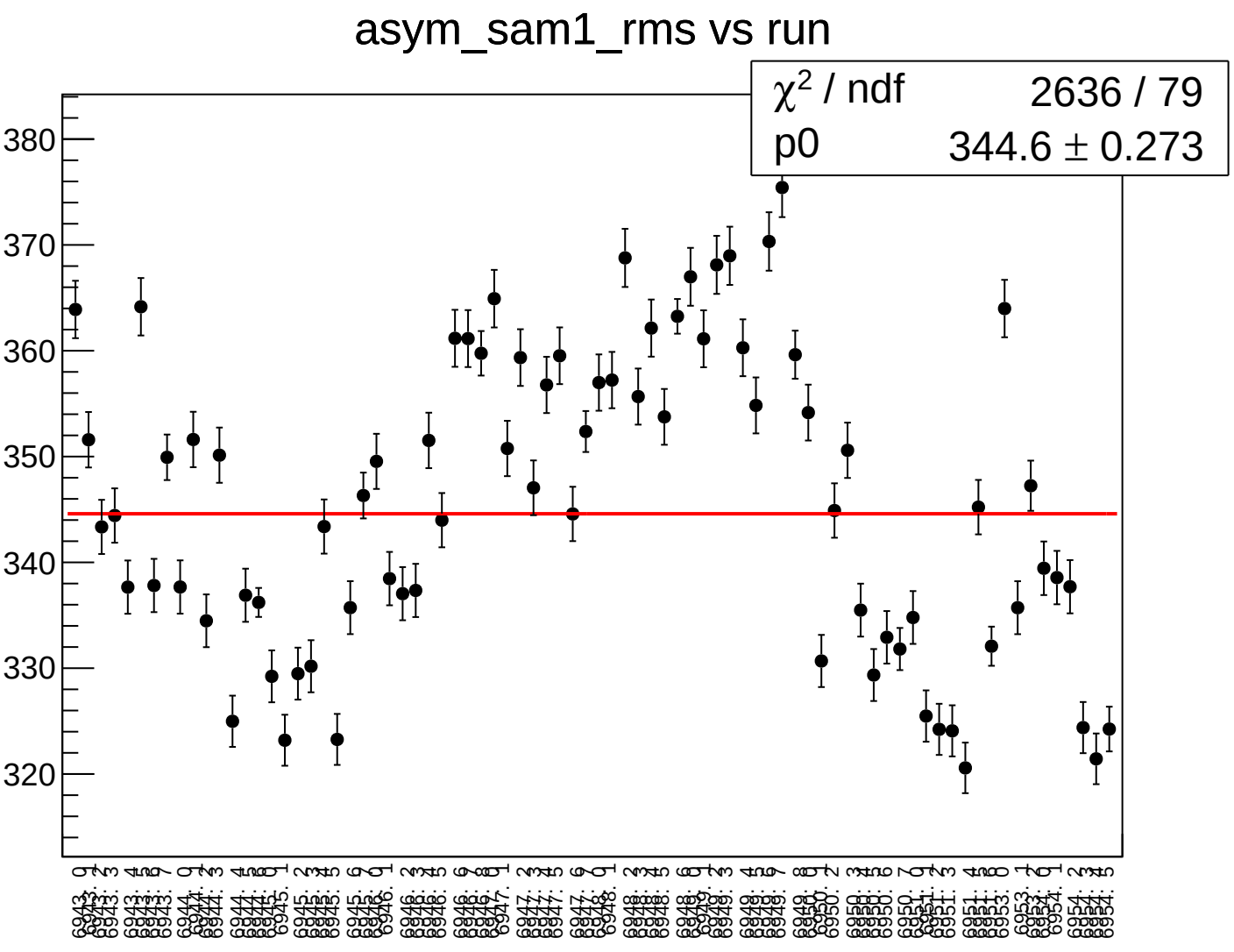

asym_sam1_correction_mean vs run
χ² / ndf 73.25 / 79
p0 −722.8 ± 384.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −201.5
Std Dev 245.7
2
1
0
−1
−2

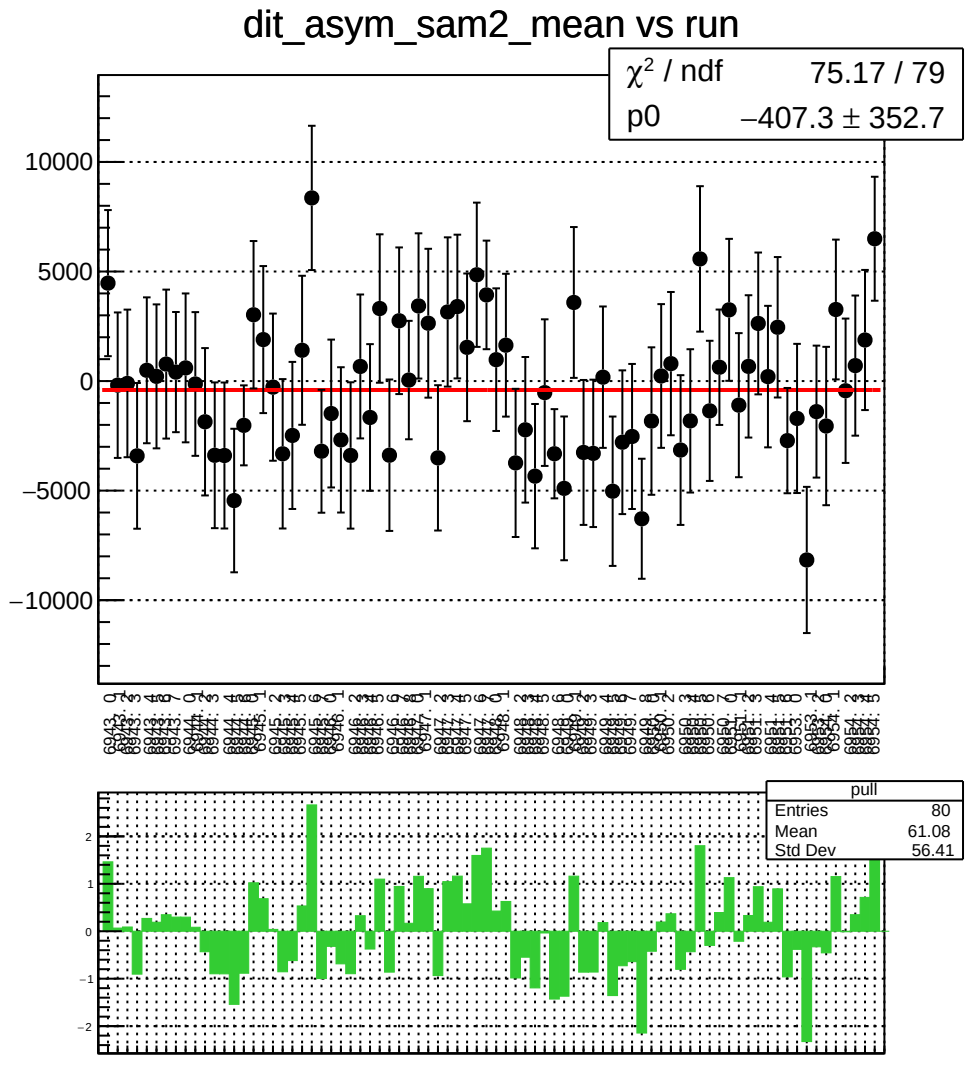

pull1D
Entries 80
Mean −0.01075
Std Dev 0.9568
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

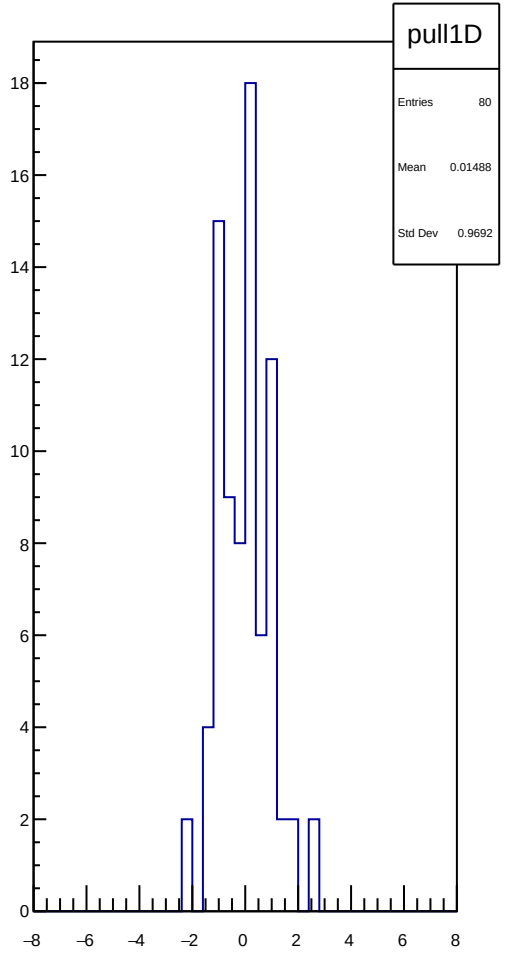

asym_sam1_correction_rms vs run
χ² / ndf 2859 / 79
p0 343.4 ± 0.2721
380
370
360
350
340
330
320
310

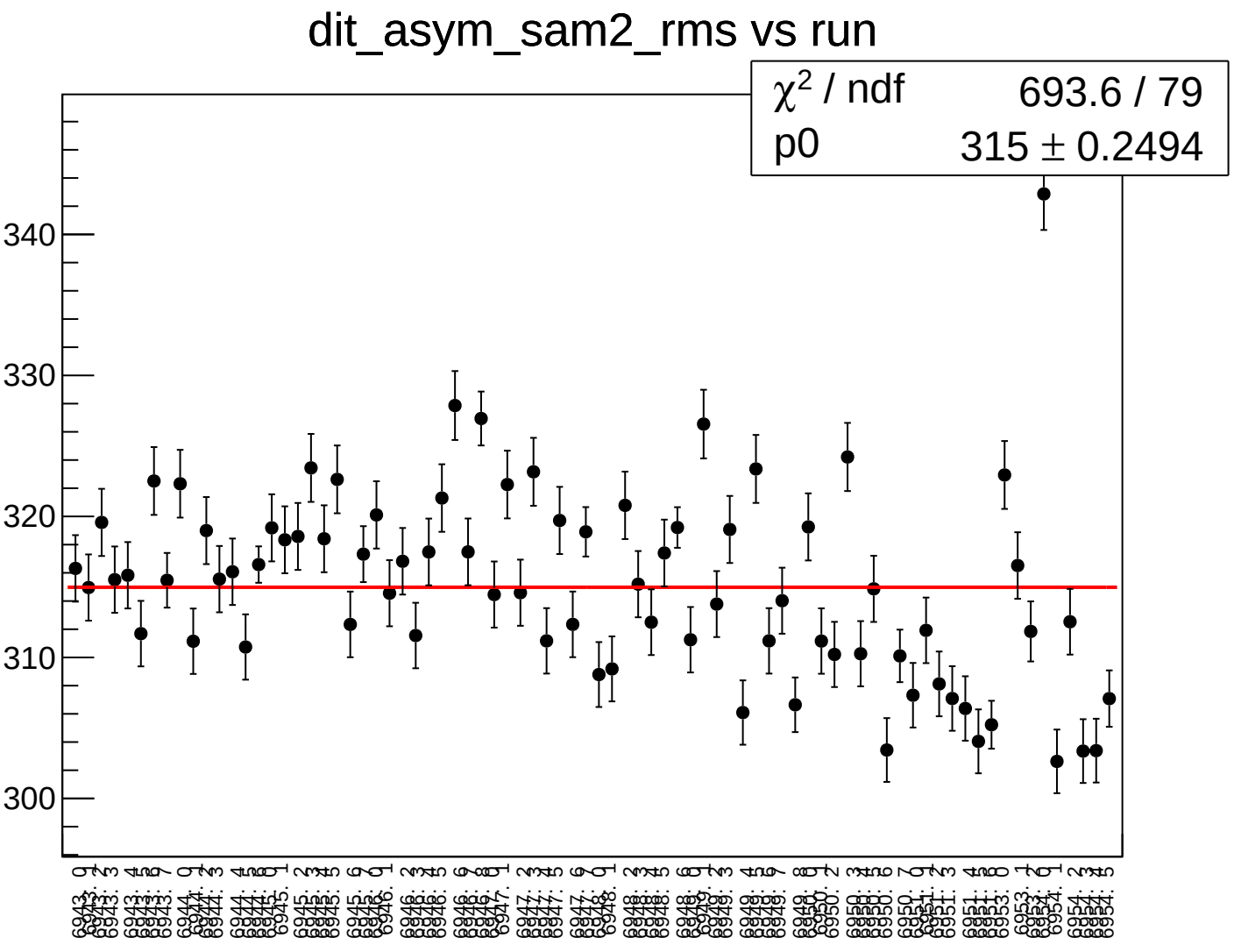

asym_sam1_mean vs run
χ^2 / ndf 73.06 / 79
p0 520.5 ± 386.1
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −221.2
Std Dev 264.1
3
2
1
0
−1
−2

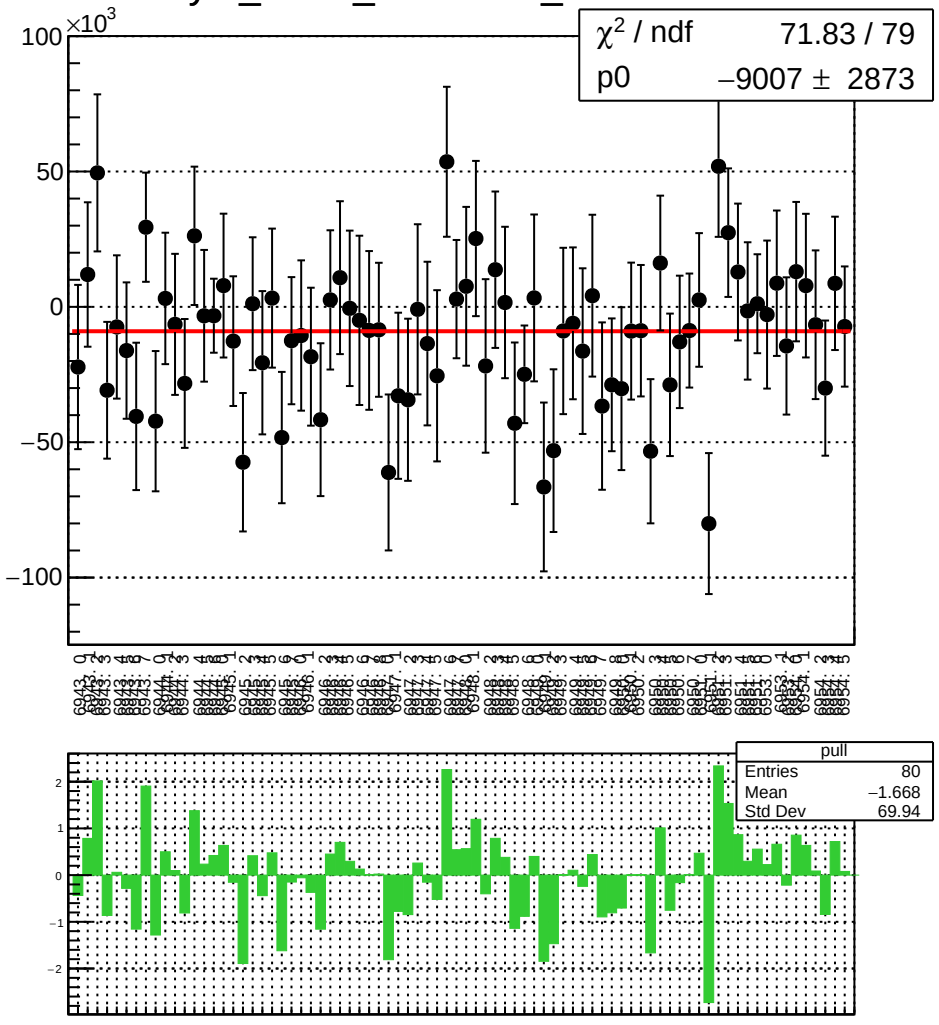

pull1D
Entries 80
Mean 0.009702
Std Dev 0.9556
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

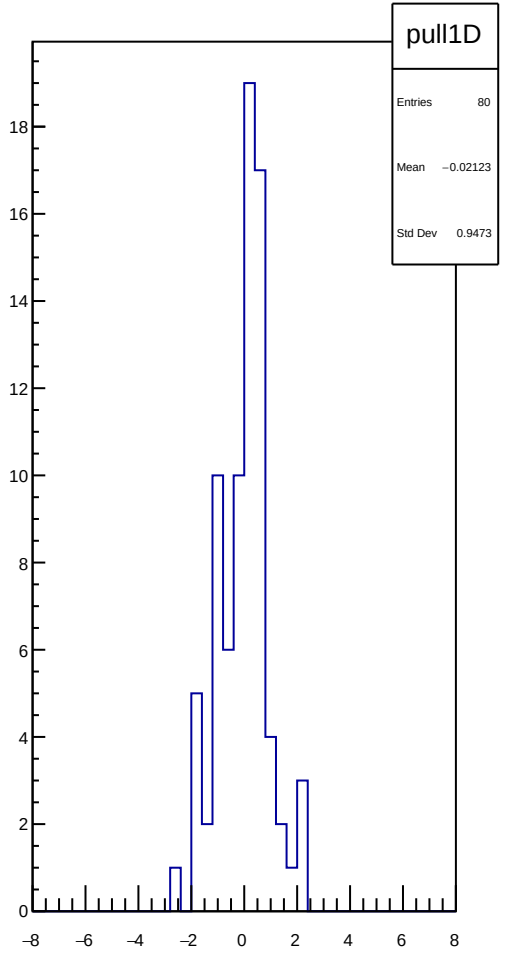

asym_sam1_rms vs run
χ² / ndf 2636 / 79
p0 344.6 ± 0.273
380
370
360
350
340
330
320

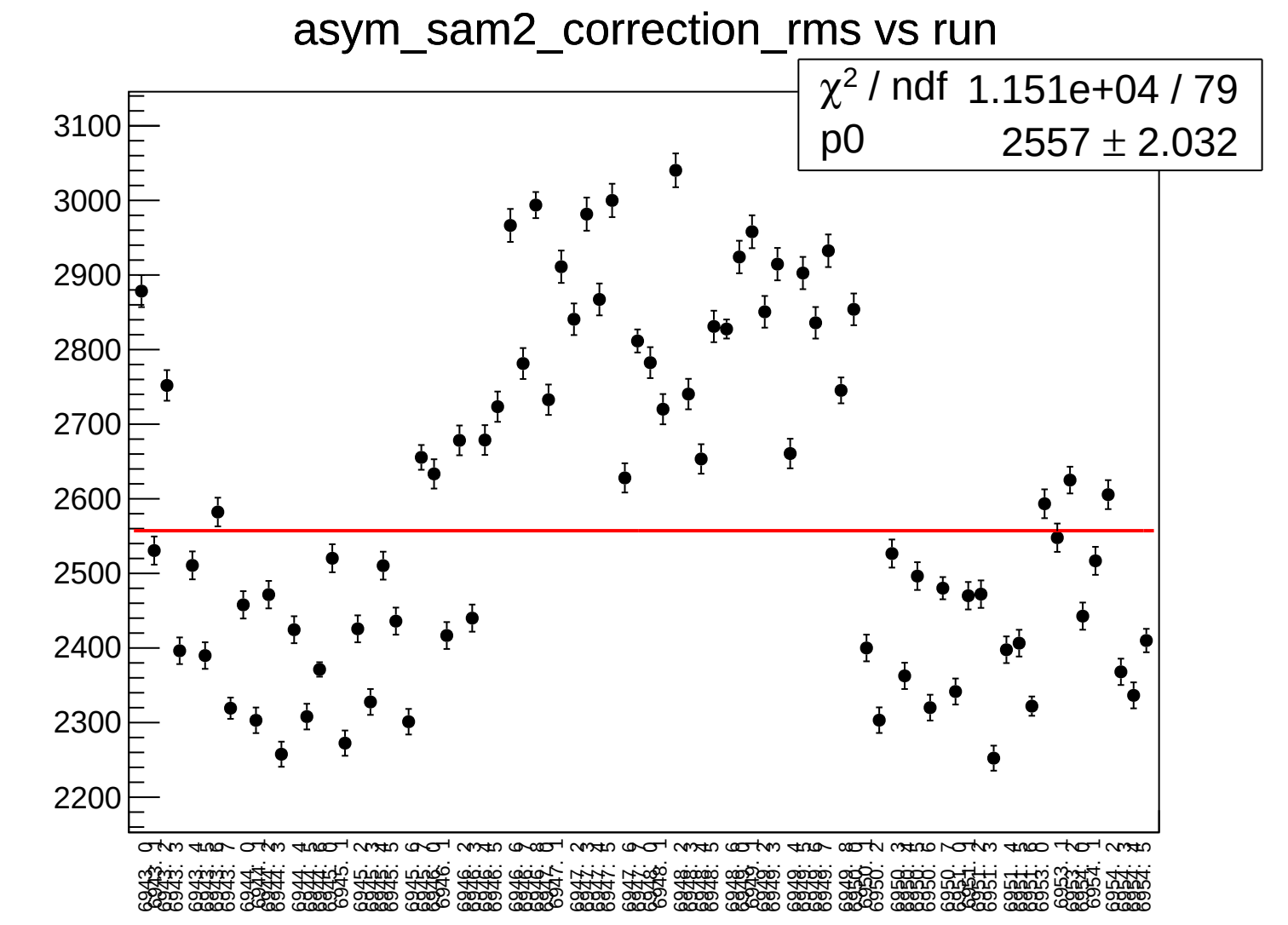

dit_asym_sam2_mean vs run
χ² / ndf 75.17 / 79
p0 −407.3 ± 352.7
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 61.08
Std Dev 56.41
2
1
0
−1
−2

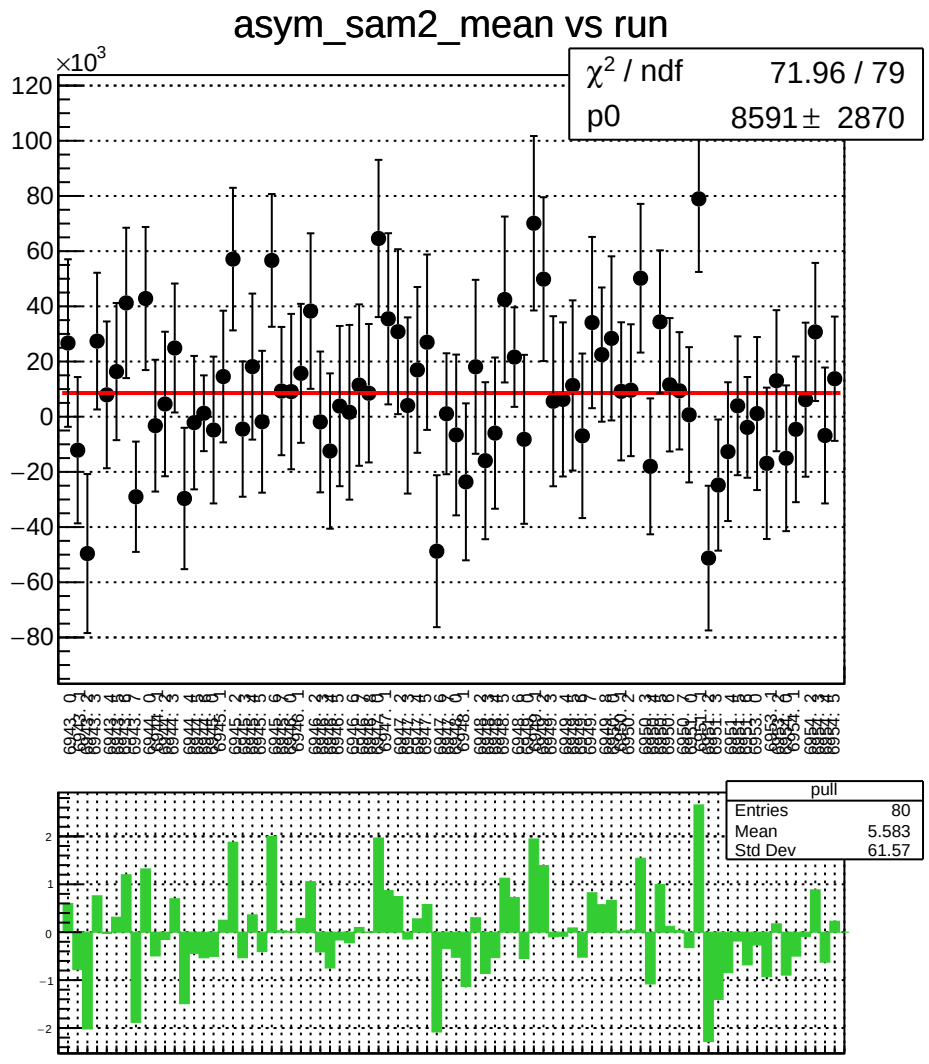

pull1D
Entries 80
Mean 0.01488
Std Dev 0.9692
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

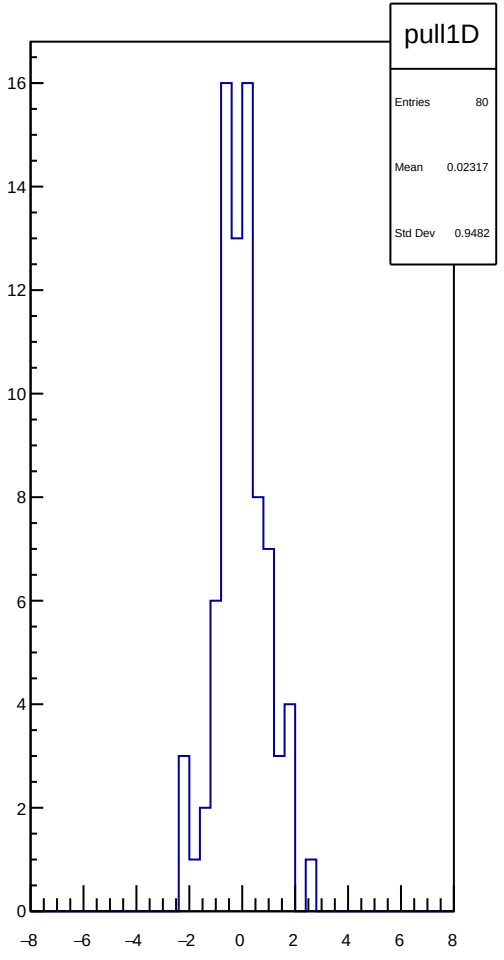

dit_asym_sam2_rms vs run
χ² / ndf 693.6 / 79
p0 315 ± 0.2494
340
330
320
310
300

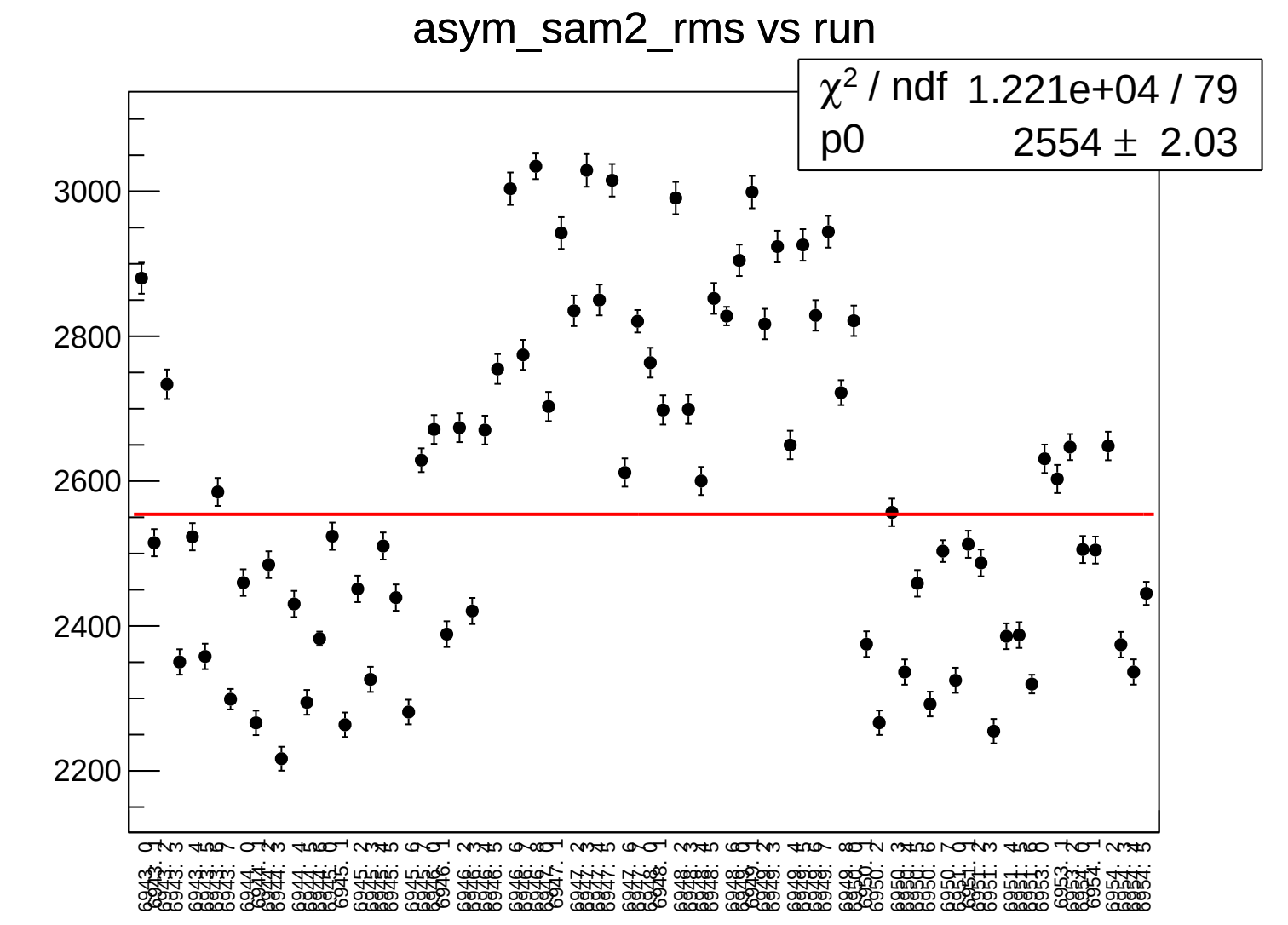

asym_sam2_correction_mean vs run
χ² / ndf 71.83 / 79
p0 −9007 ± 2873
×10³
100
50
0
−50
−100
pull
Entries 80
Mean −1.668
Std Dev 69.94
2
1
0
−1
−2

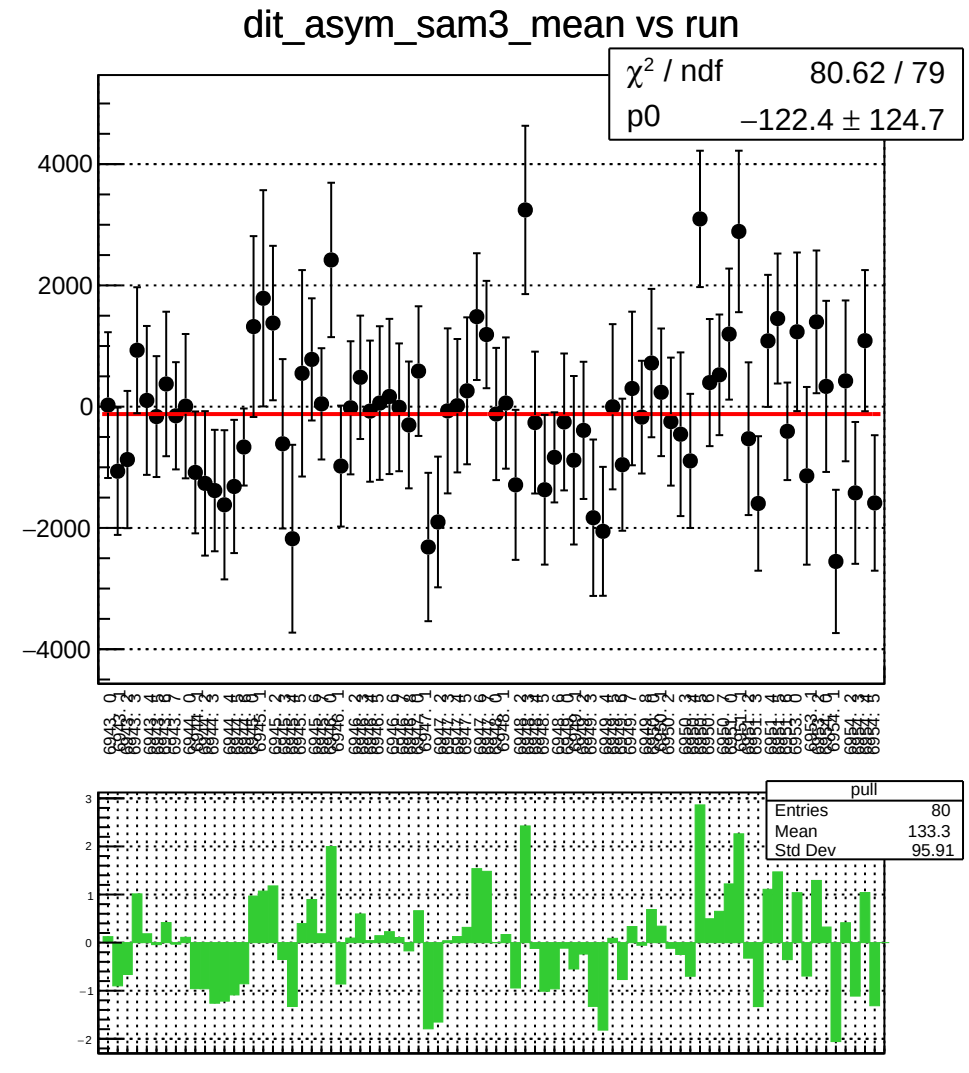

pull1D
Entries 80
Mean −0.02123
Std Dev 0.9473
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

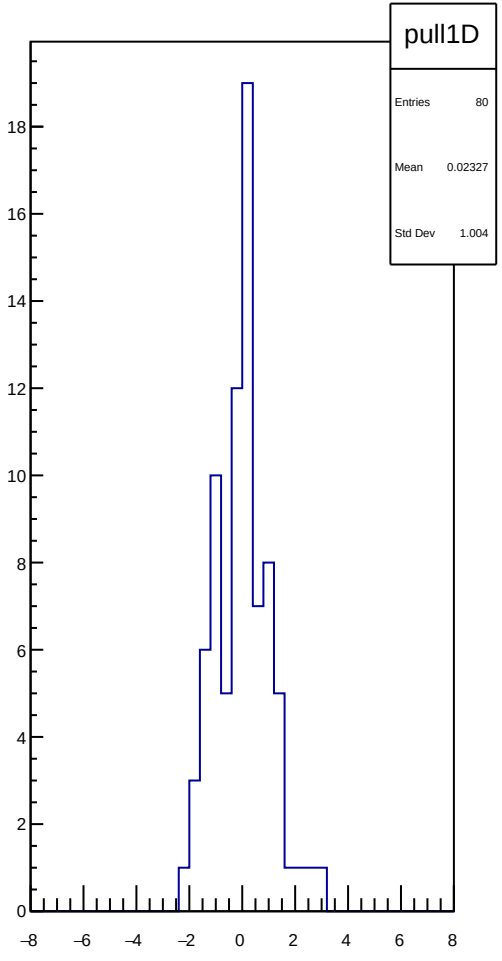

asym_sam2_correction_rms vs run
χ² / ndf 1.151e+04 / 79
p0 2557 ± 2.032
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

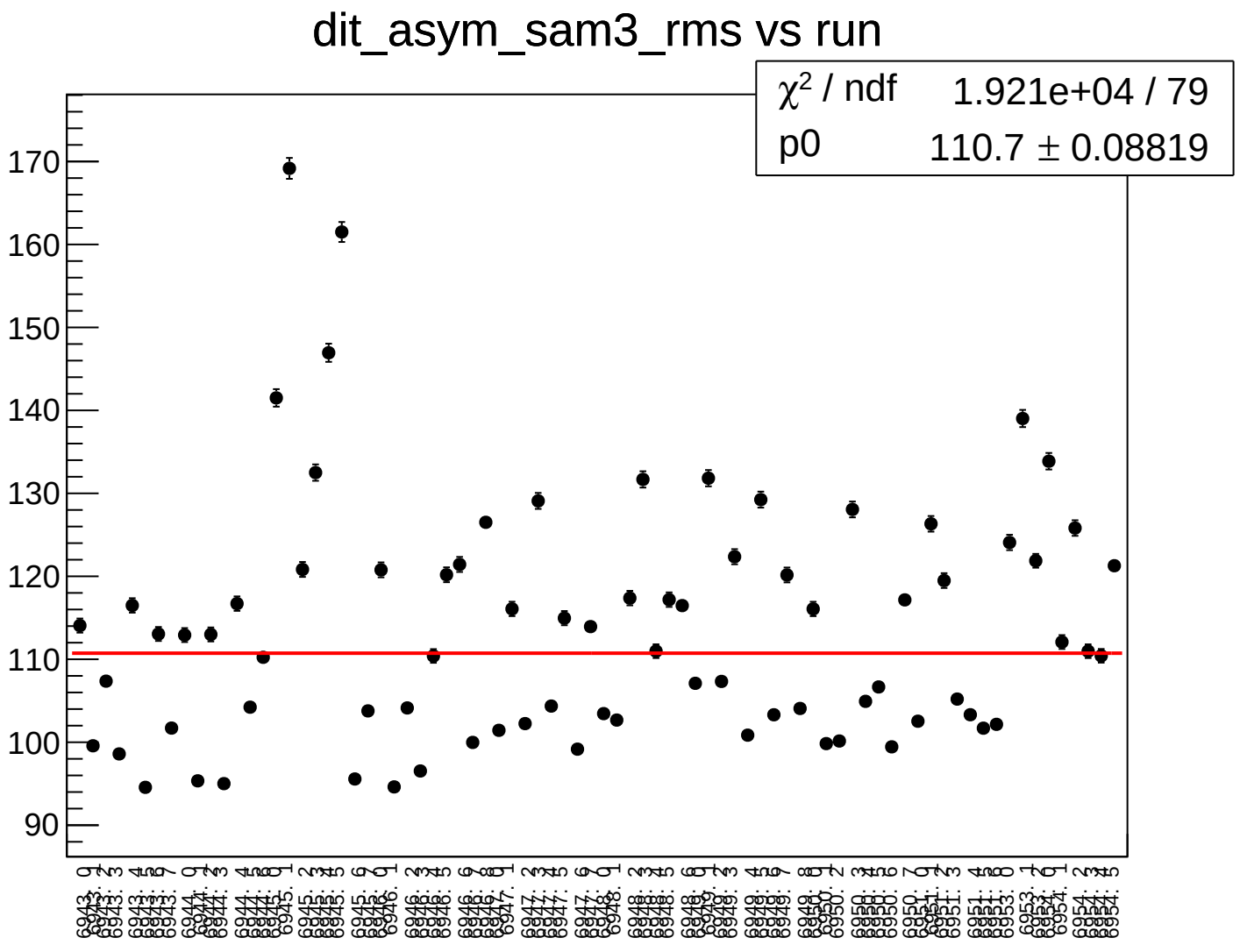

asym_sam2_mean vs run
χ^2 / ndf 71.96 / 79
p0 8591 ± 2870
×10^3
pull
Entries 80
Mean 5.583
Std Dev 61.57

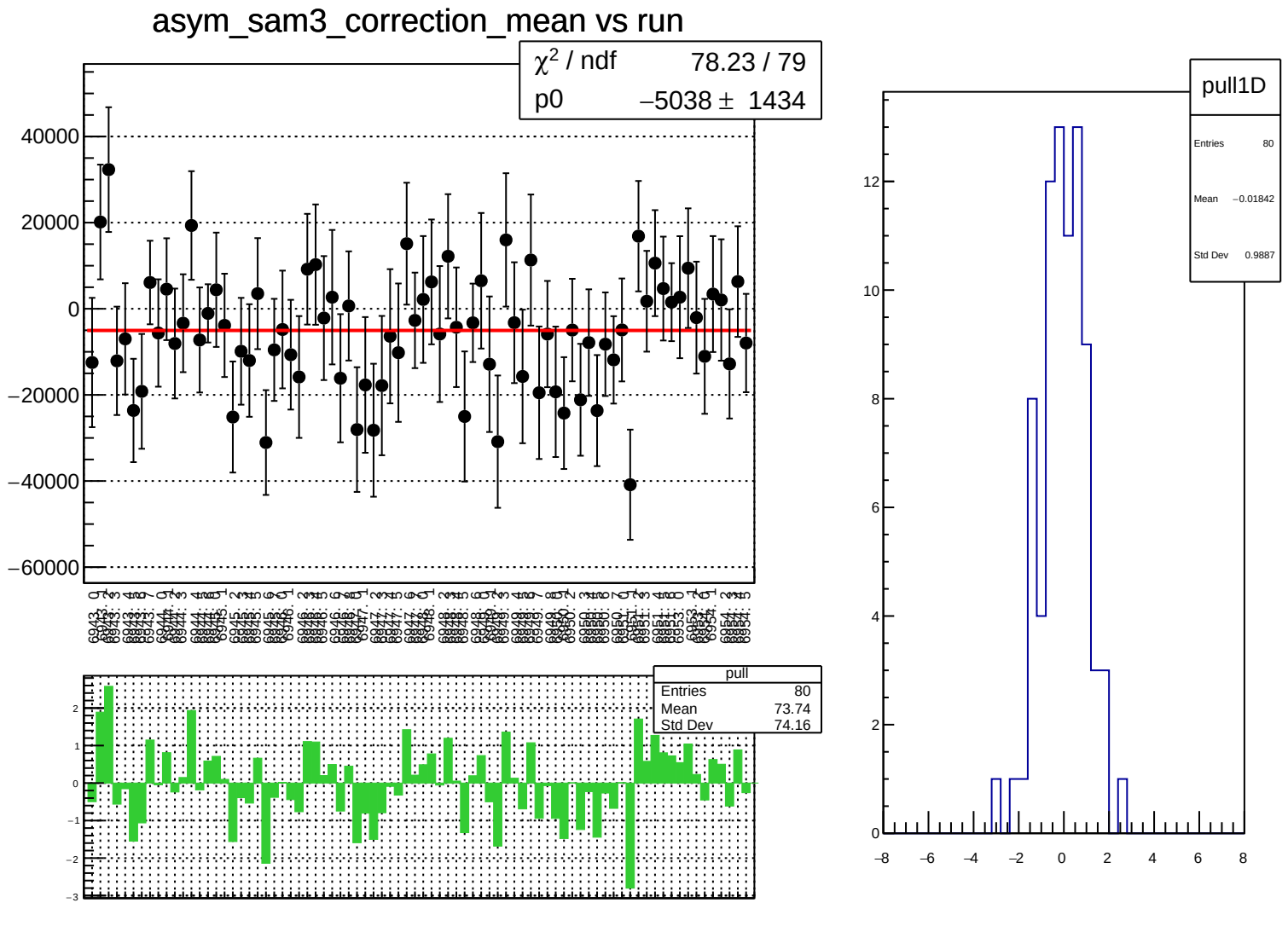

pull1D
Entries 80
Mean 0.02317
Std Dev 0.9482

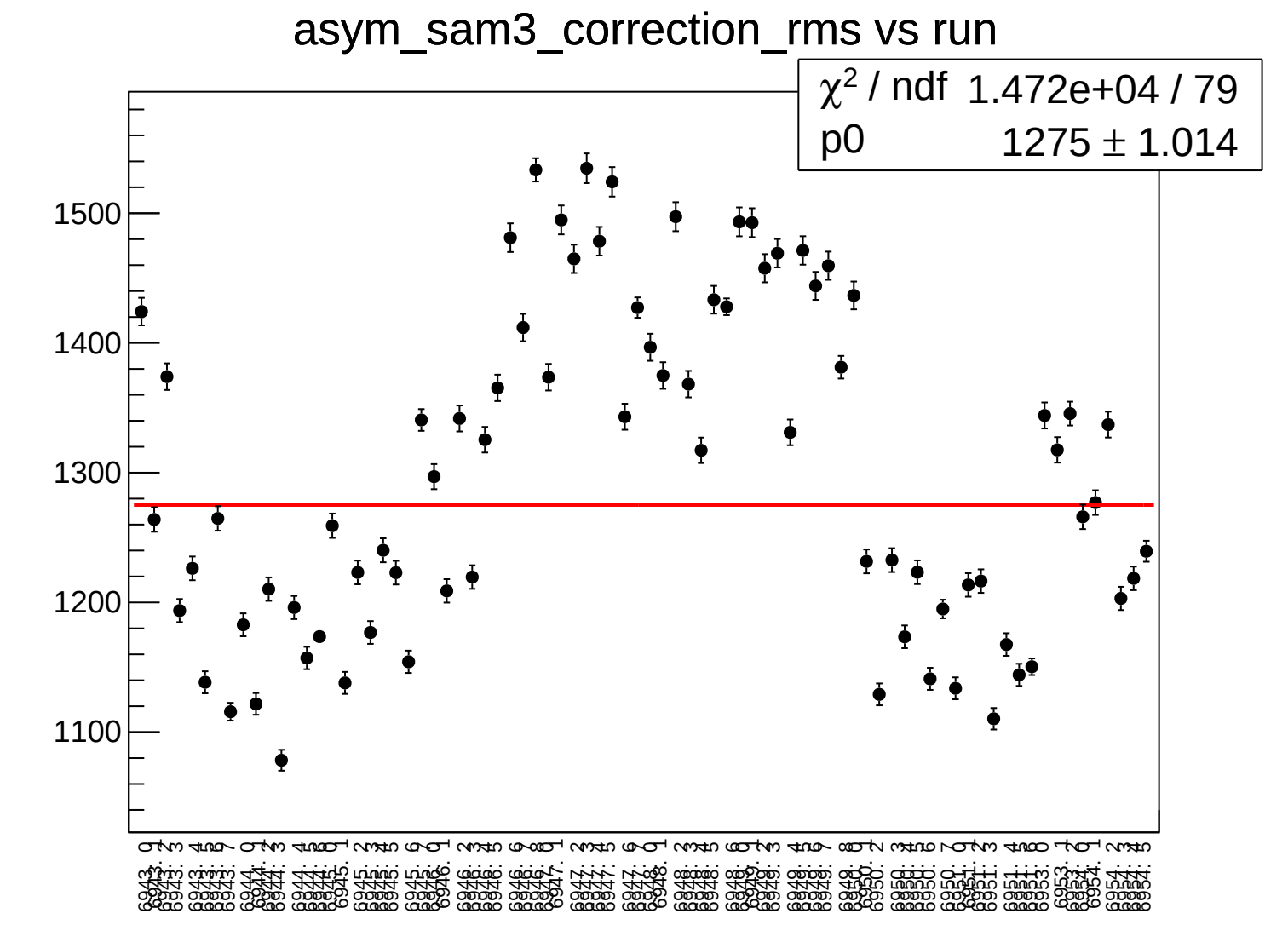

asym_sam2_rms vs run
χ² / ndf 1.221e+04 / 79
p0 2554 ± 2.03
3000
2800
2600
2400
2200

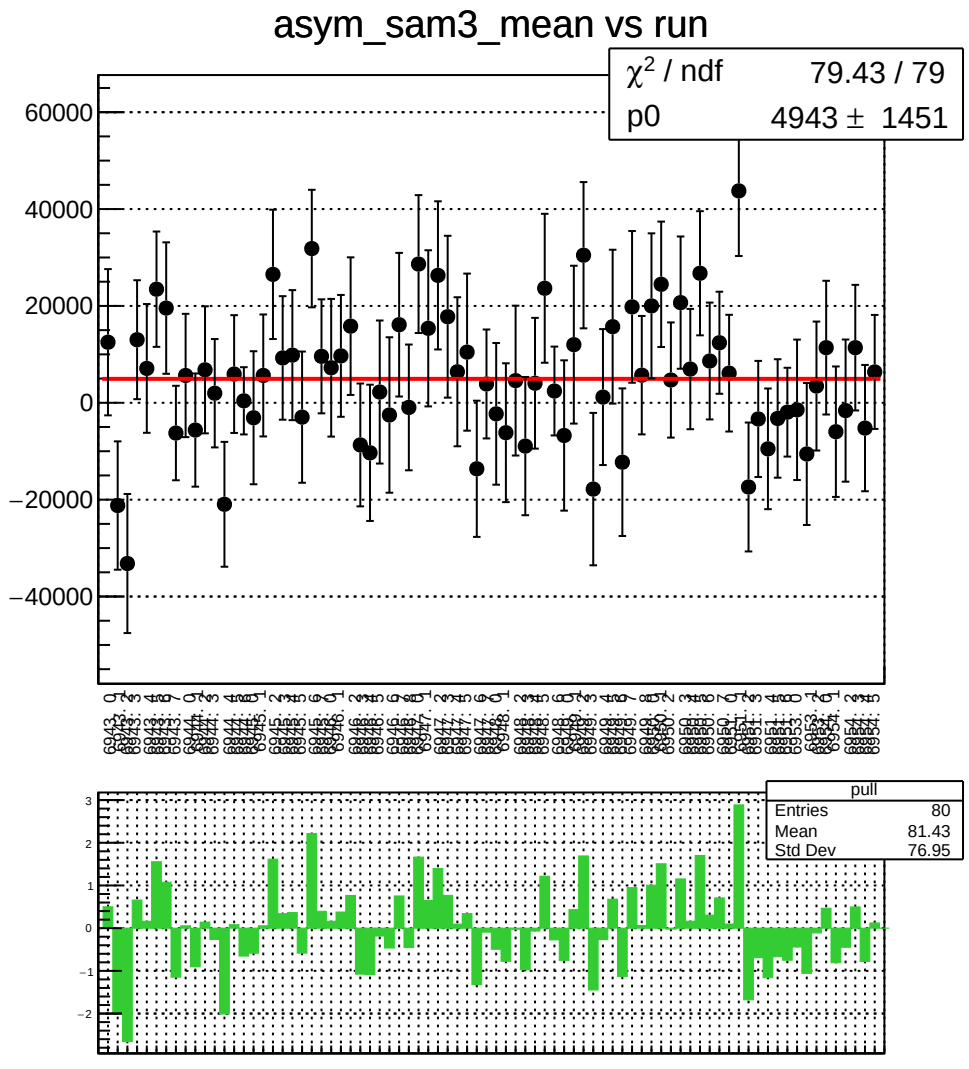

dit_asym_sam3_mean vs run
χ² / ndf 80.62 / 79
p0 −122.4 ± 124.7
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 133.3
Std Dev 95.91
3
2
1
0
−1
−2

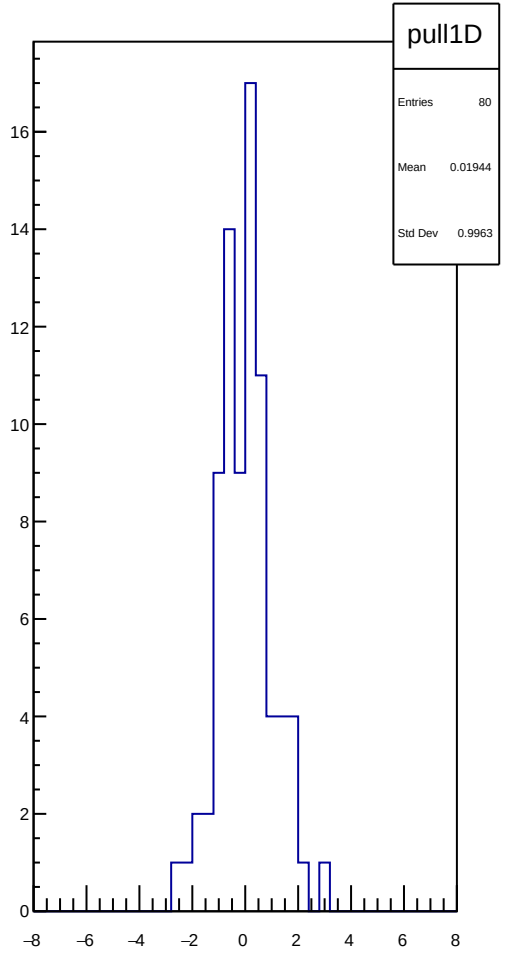

pull1D
Entries 80
Mean 0.02327
Std Dev 1.004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

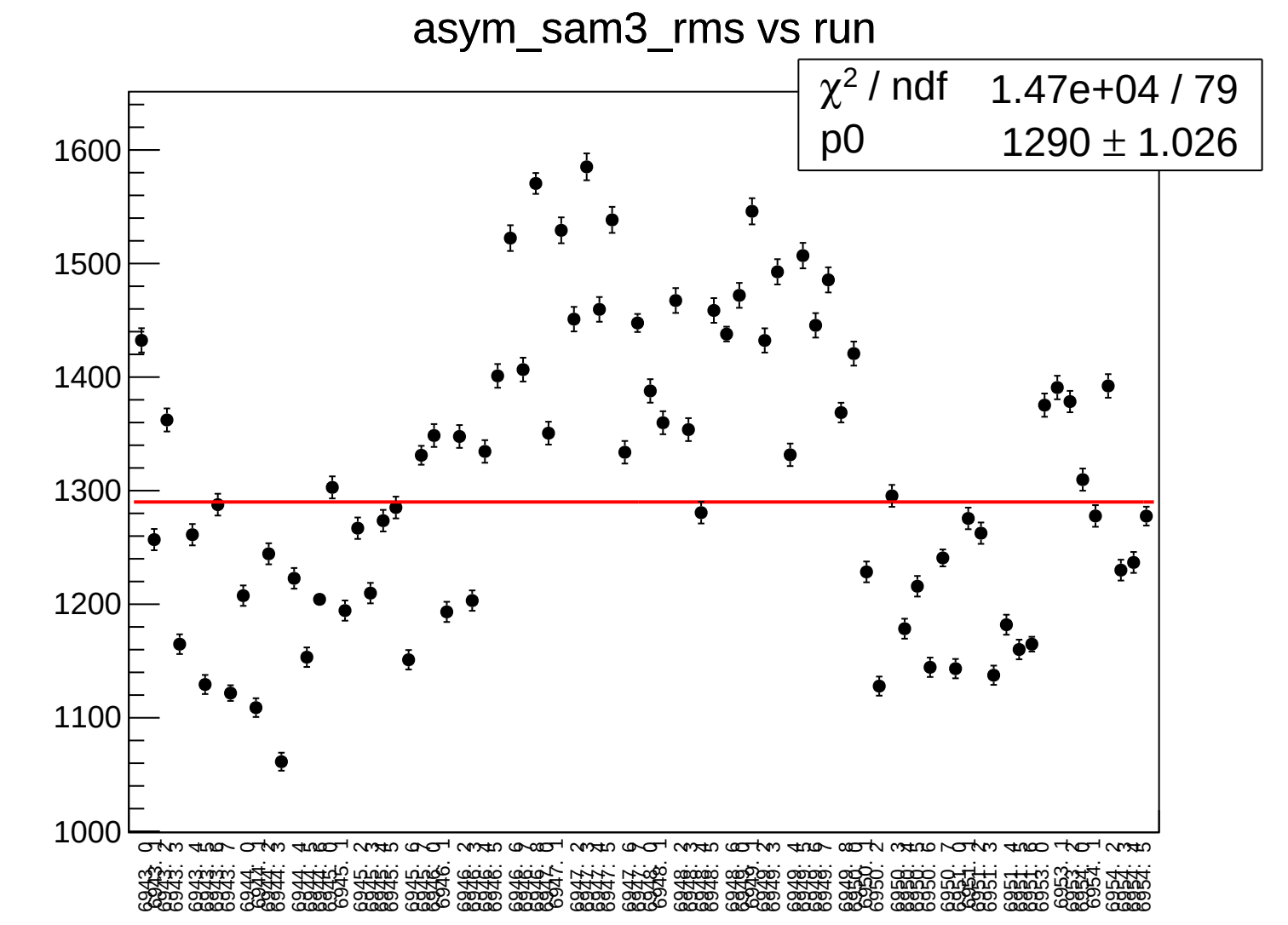

dit_asym_sam3_rms vs run
χ^2 / ndf 1.921e+04 / 79
p0 110.7 ± 0.08819
170
160
150
140
130
120
110
100
90

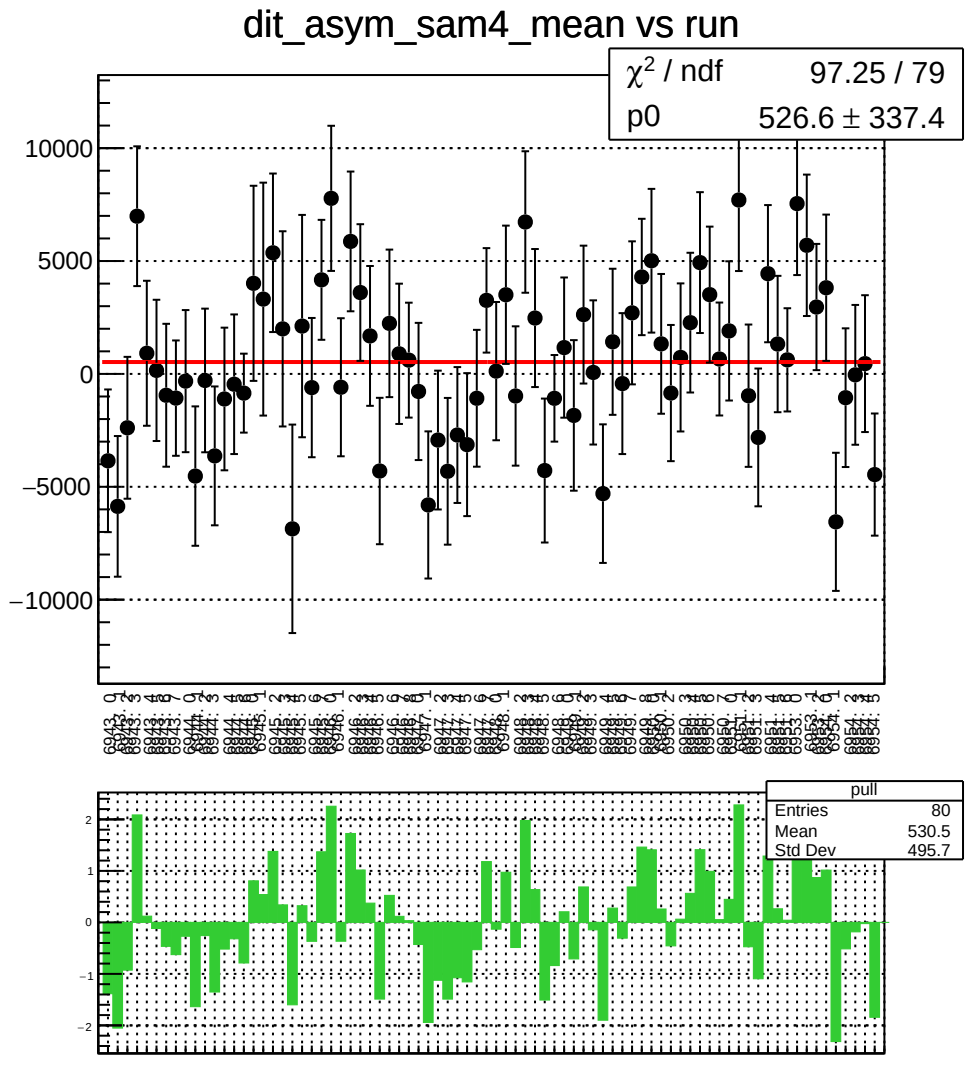

asym_sam3_correction_mean vs run
χ² / ndf 78.23 / 79
p0 −5038 ± 1434
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 73.74
Std Dev 74.16
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.01842
Std Dev 0.9887
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

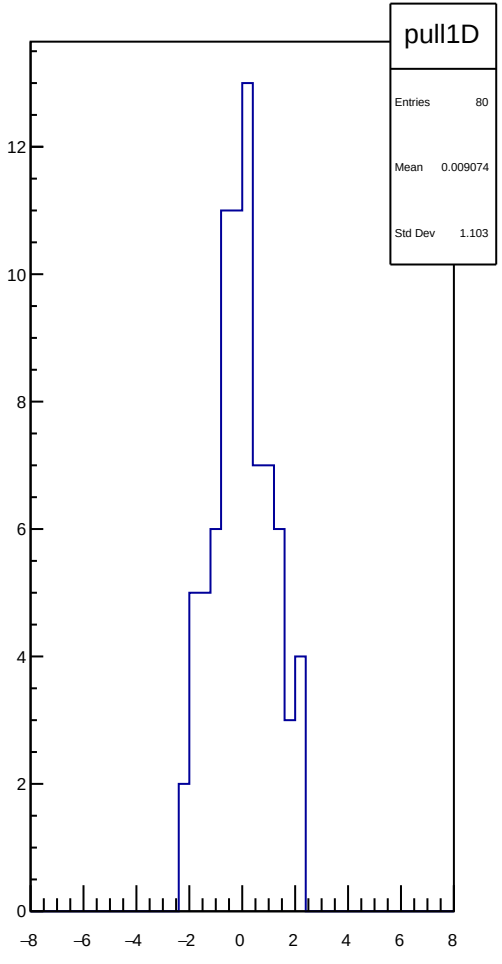

asym_sam3_correction_rms vs run
χ² / ndf 1.472e+04 / 79
p0 1275 ± 1.014
1500
1400
1300
1200
1100

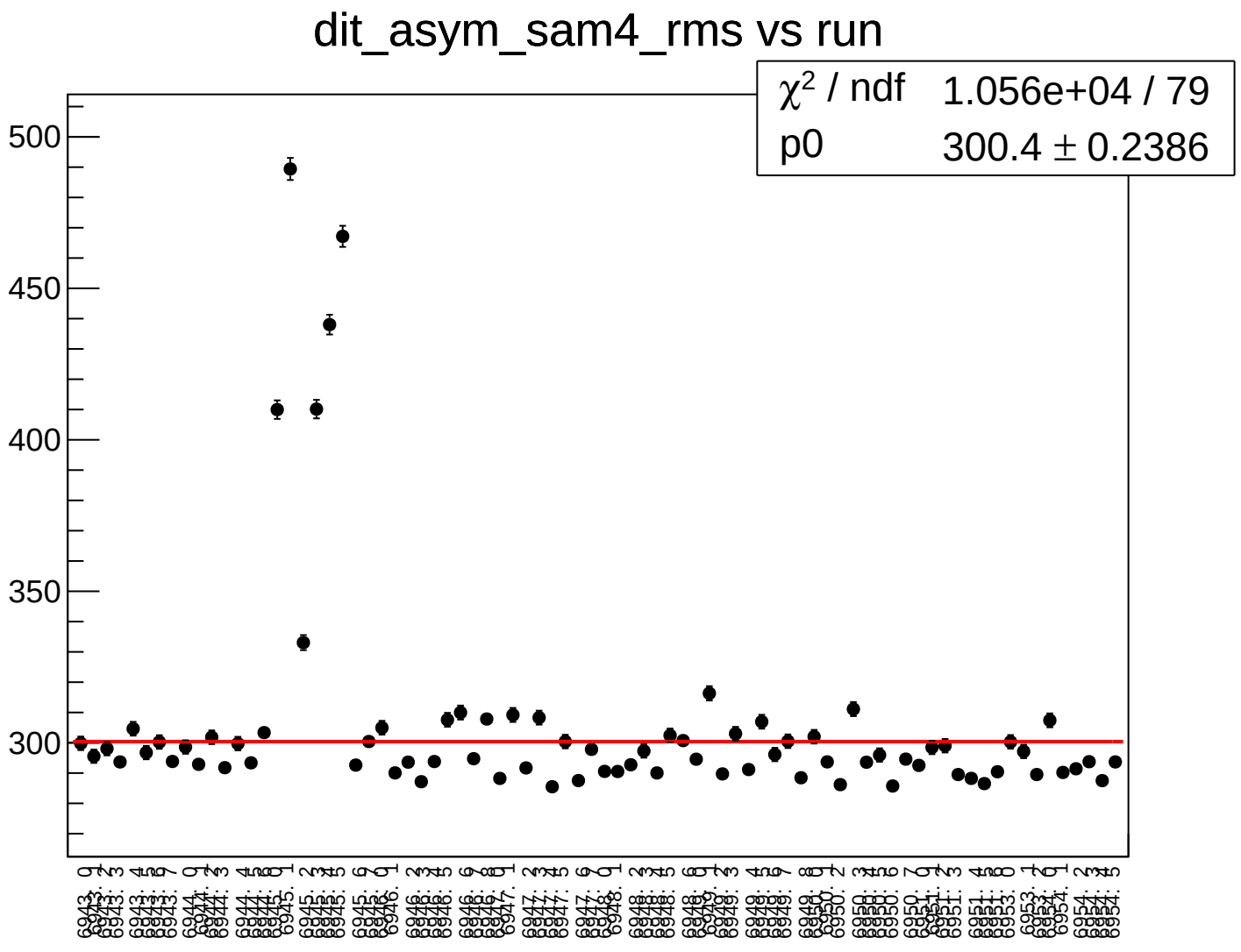

asym_sam3_mean vs run
χ² / ndf 79.43 / 79
p0 4943 ± 1451
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 81.43
Std Dev 76.95
3
2
1
0
−1
−2

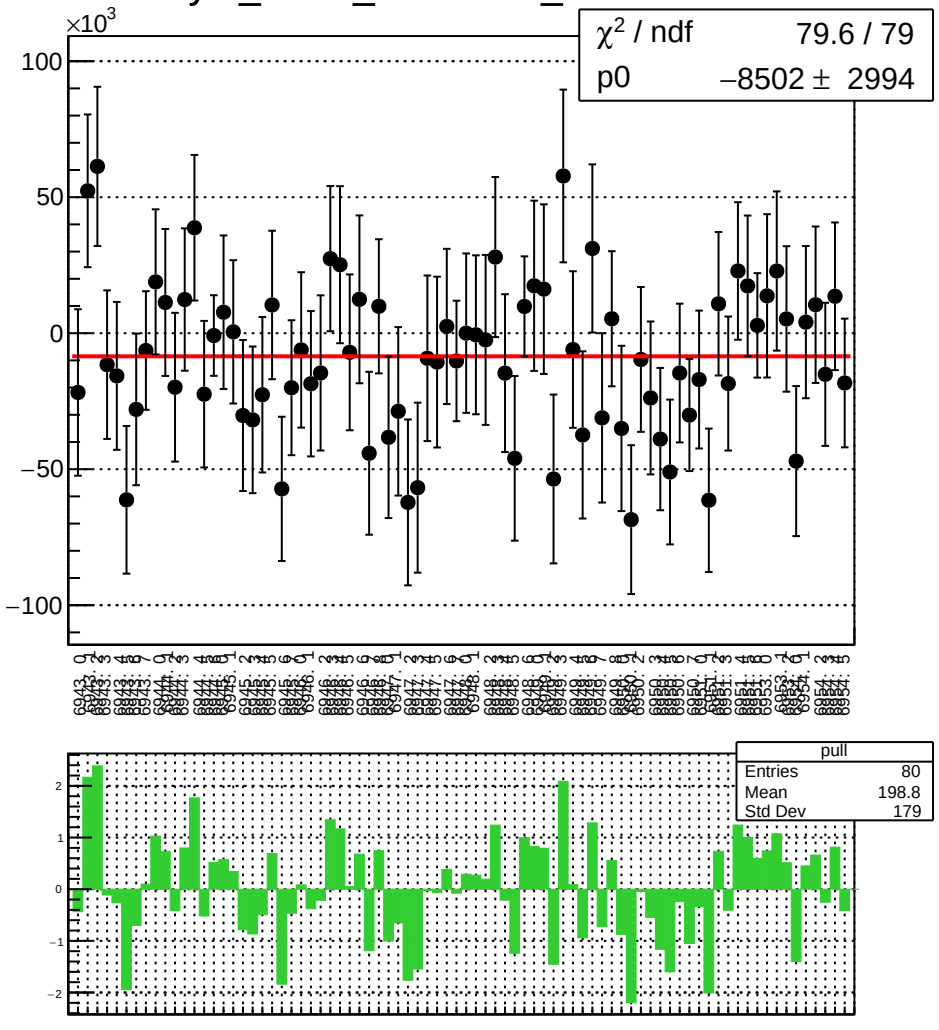

pull1D
Entries 80
Mean 0.01944
Std Dev 0.9963
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

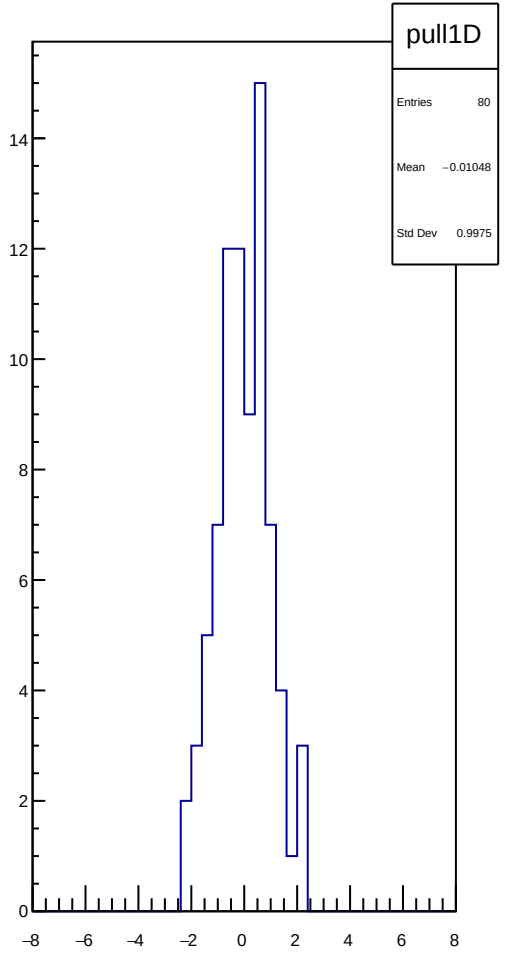

asym_sam3_rms vs run
χ² / ndf 1.47e+04 / 79
p0 1290 ± 1.026
1600
1500
1400
1300
1200
1100
1000

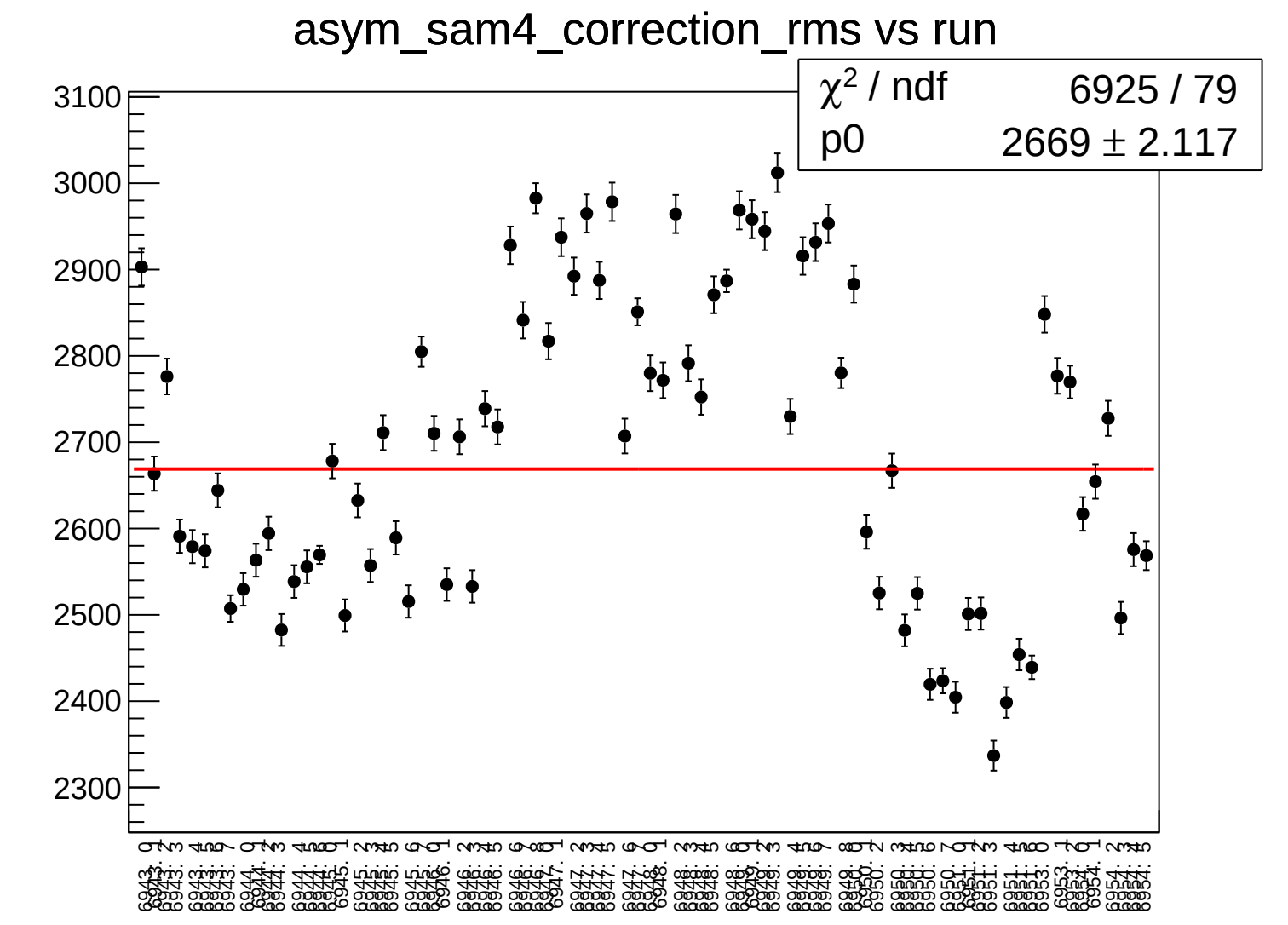

dit_asym_sam4_mean vs run
χ^2 / ndf 97.25 / 79
p0 526.6 ± 337.4
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 530.5
Std Dev 495.7
2
1
0
−1
−2

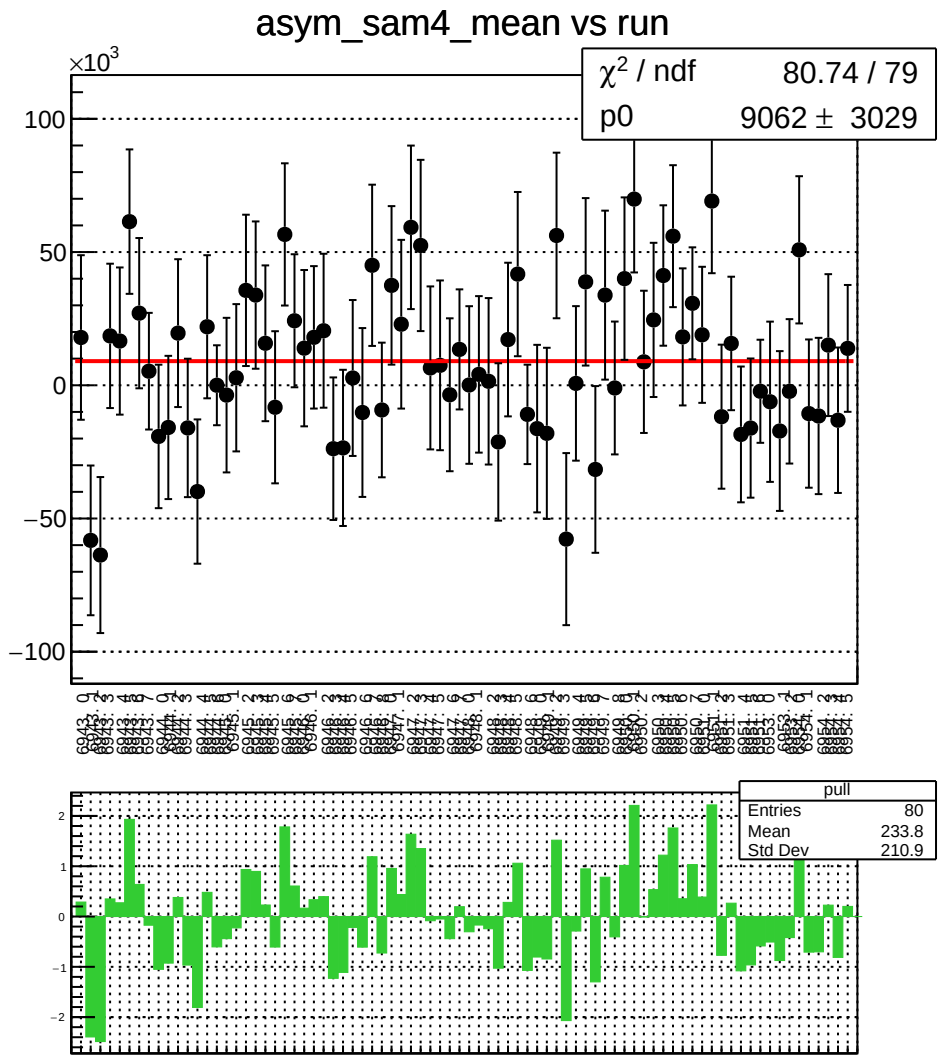

pull1D
Entries 80
Mean 0.009074
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

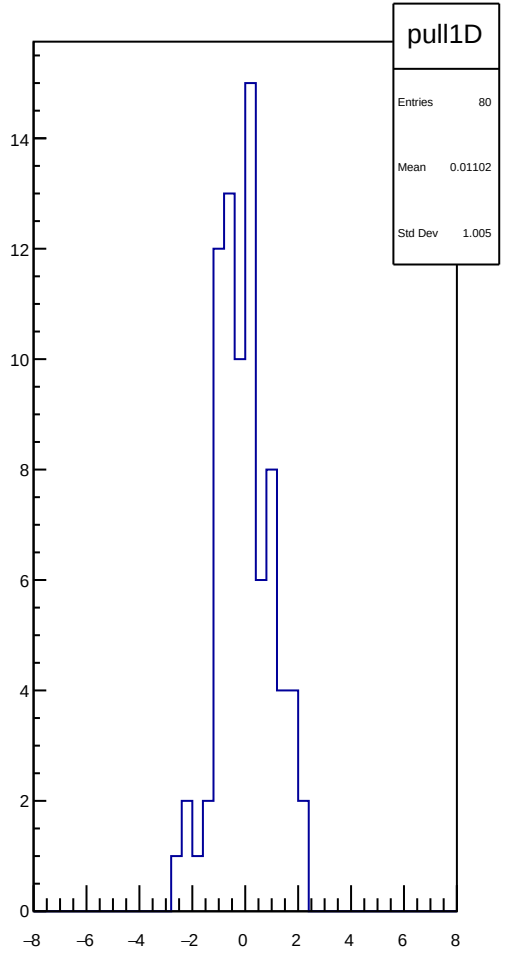

dit_asym_sam4_rms vs run
χ² / ndf 1.056e+04 / 79
p0 300.4 ± 0.2386
500
450
400
350
300

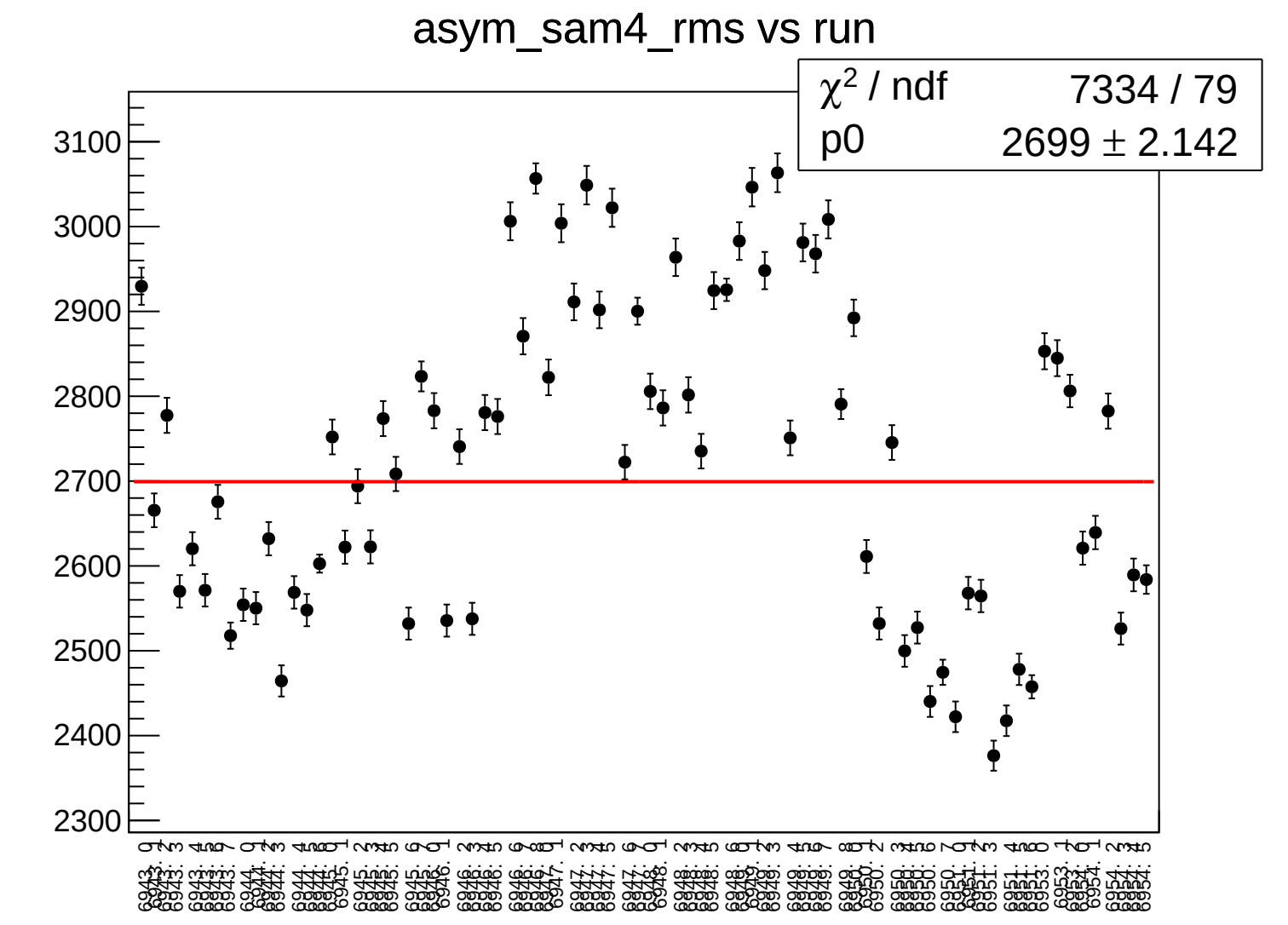

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 79.6 / 79
p0 −8502 ± 2994
100
50
0
−50
−100
pull
Entries 80
Mean 198.8
Std Dev 179
2
1
0
−1
−2

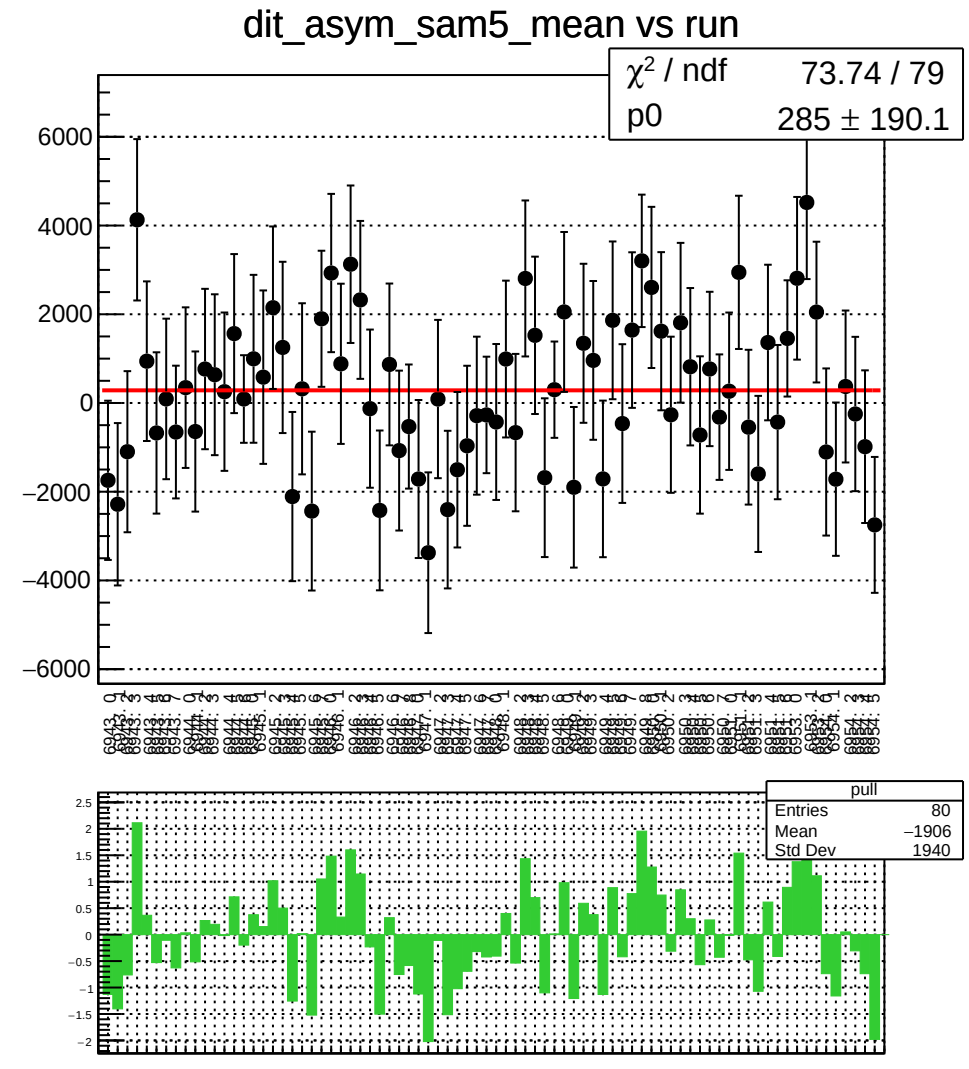

pull1D
Entries 80
Mean −0.01048
Std Dev 0.9975
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

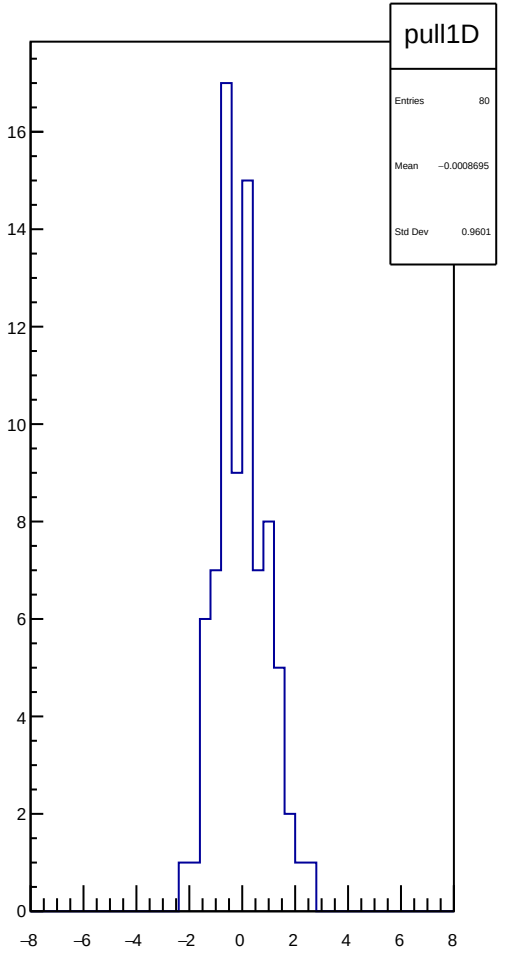

asym_sam4_correction_rms vs run
χ² / ndf 6925 / 79
p0 2669 ± 2.117
3100
3000
2900
2800
2700
2600
2500
2400
2300

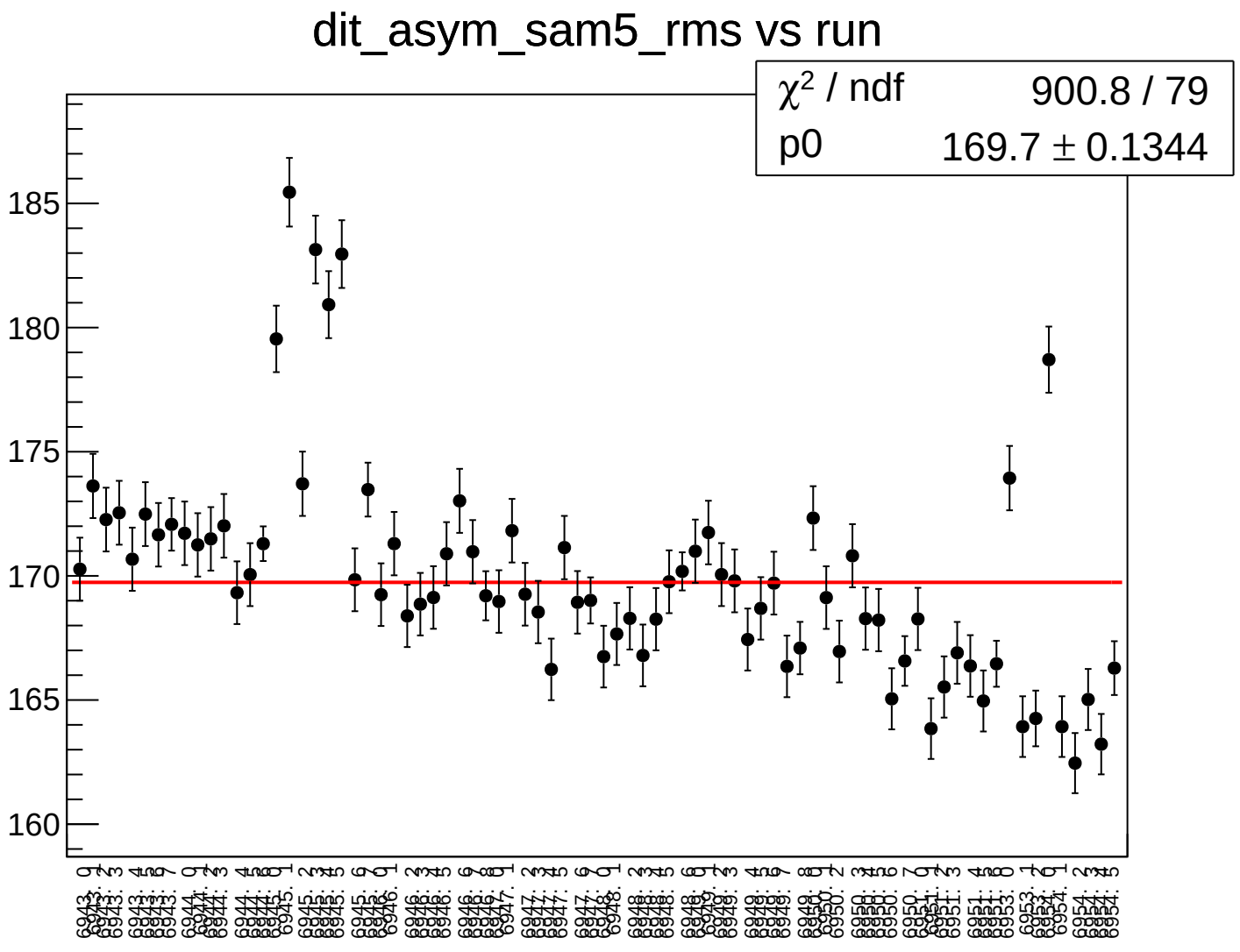

asym_sam4_mean vs run
χ^2 / ndf 80.74 / 79
p0 9062 ± 3029
×10^3
100
50
0
−50
−100
pull
Entries 80
Mean 233.8
Std Dev 210.9
2
1
0
−1
−2

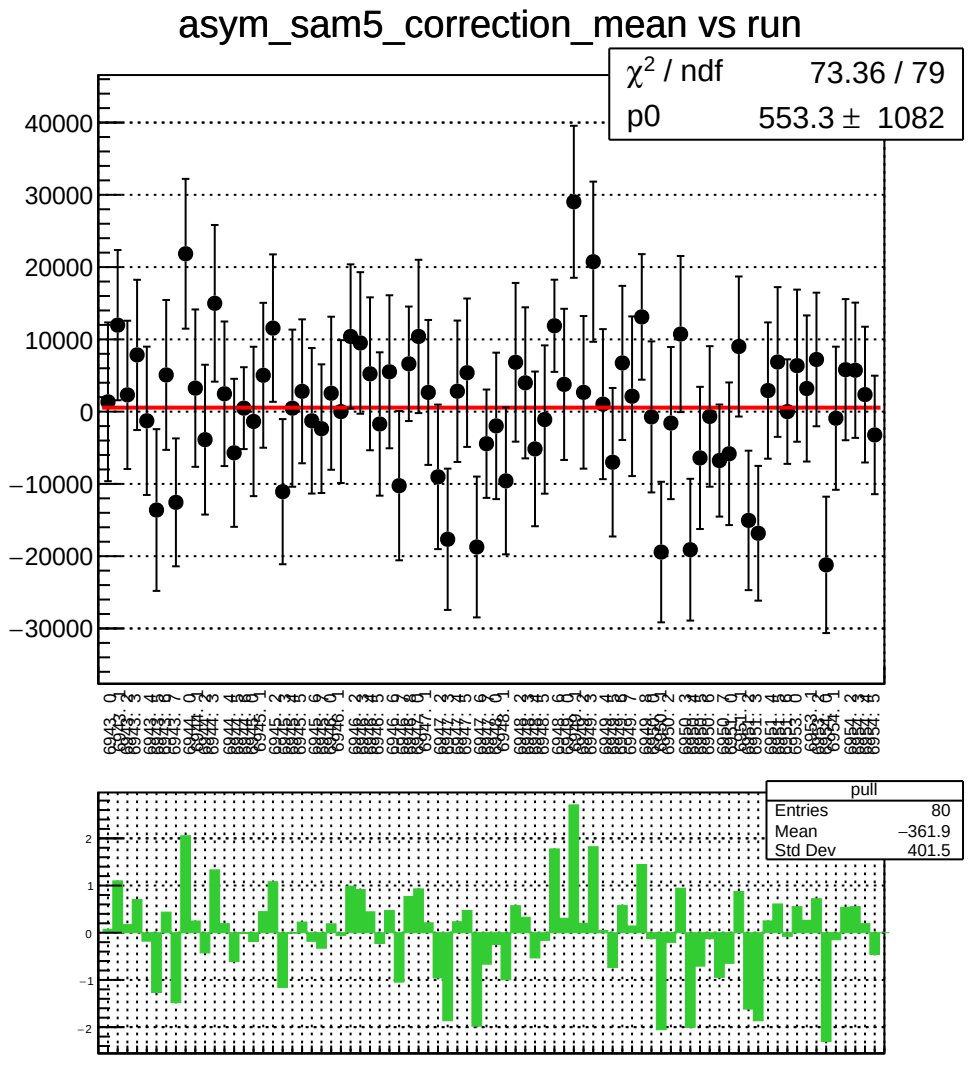

pull1D
Entries 80
Mean 0.01102
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

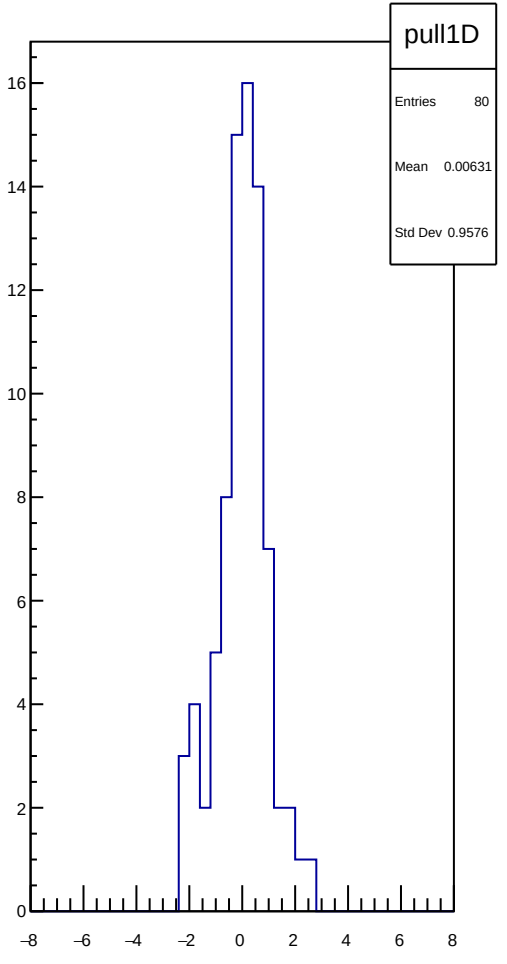

asym_sam4_rms vs run
χ² / ndf 7334 / 79
p0 2699 ± 2.142
3100
3000
2900
2800
2700
2600
2500
2400
2300

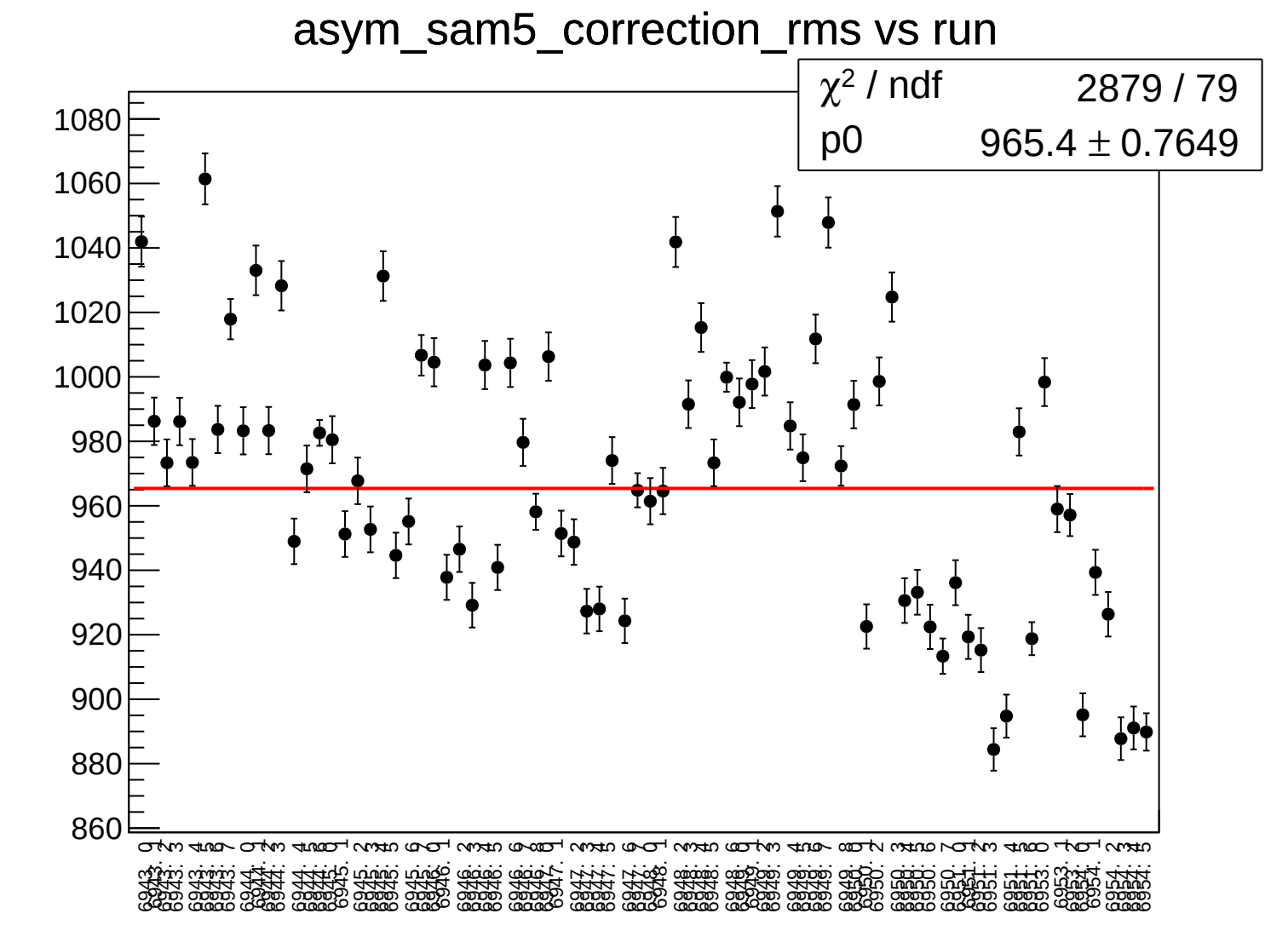

dit_asym_sam5_mean vs run
χ² / ndf 73.74 / 79
p0 285 ± 190.1
pull
Entries 80
Mean −1906
Std Dev 1940

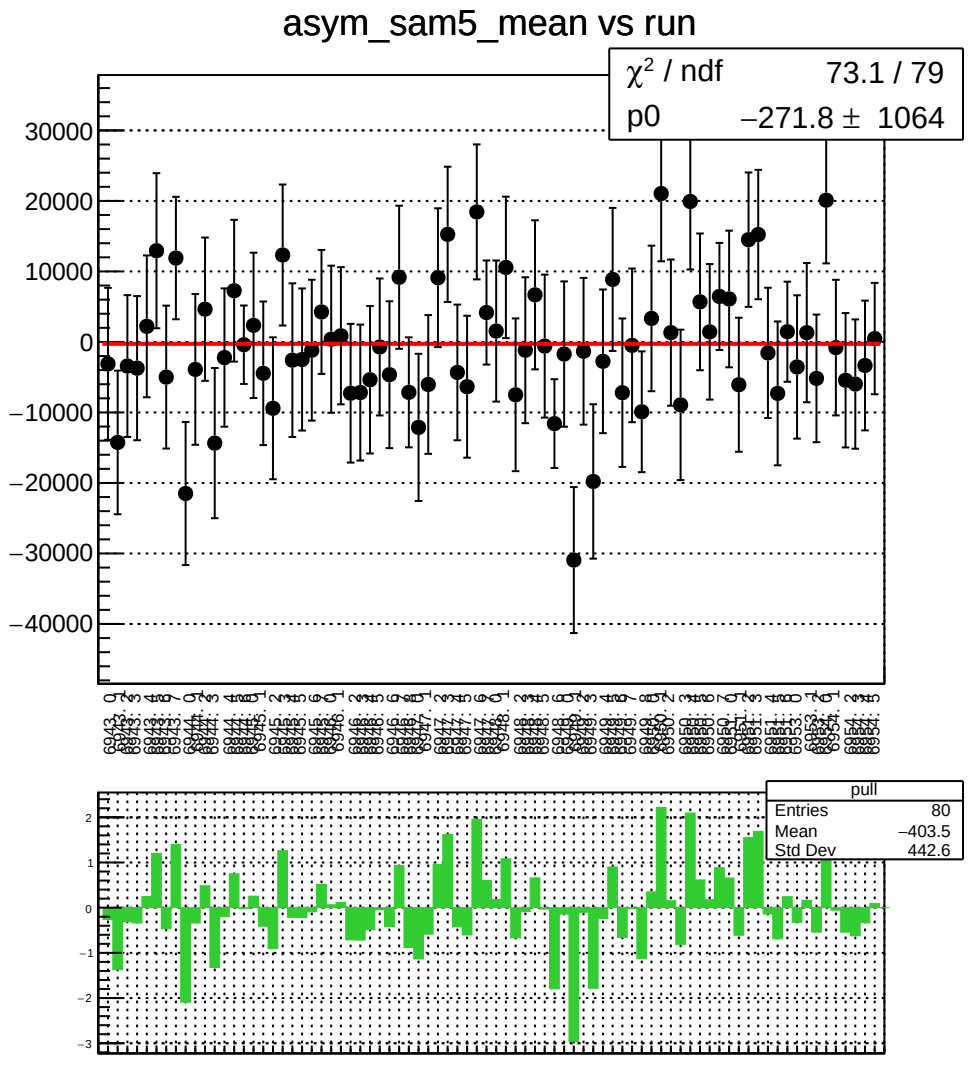

pull1D
Entries 80
Mean −0.0008695
Std Dev 0.9601

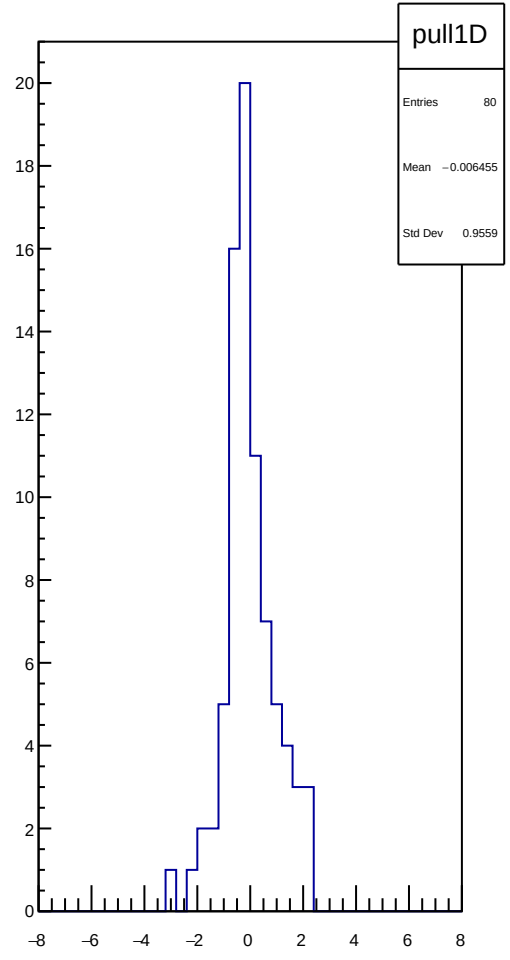

dit_asym_sam5_rms vs run
χ² / ndf 900.8 / 79
p0 169.7 ± 0.1344
185
180
175
170
165
160

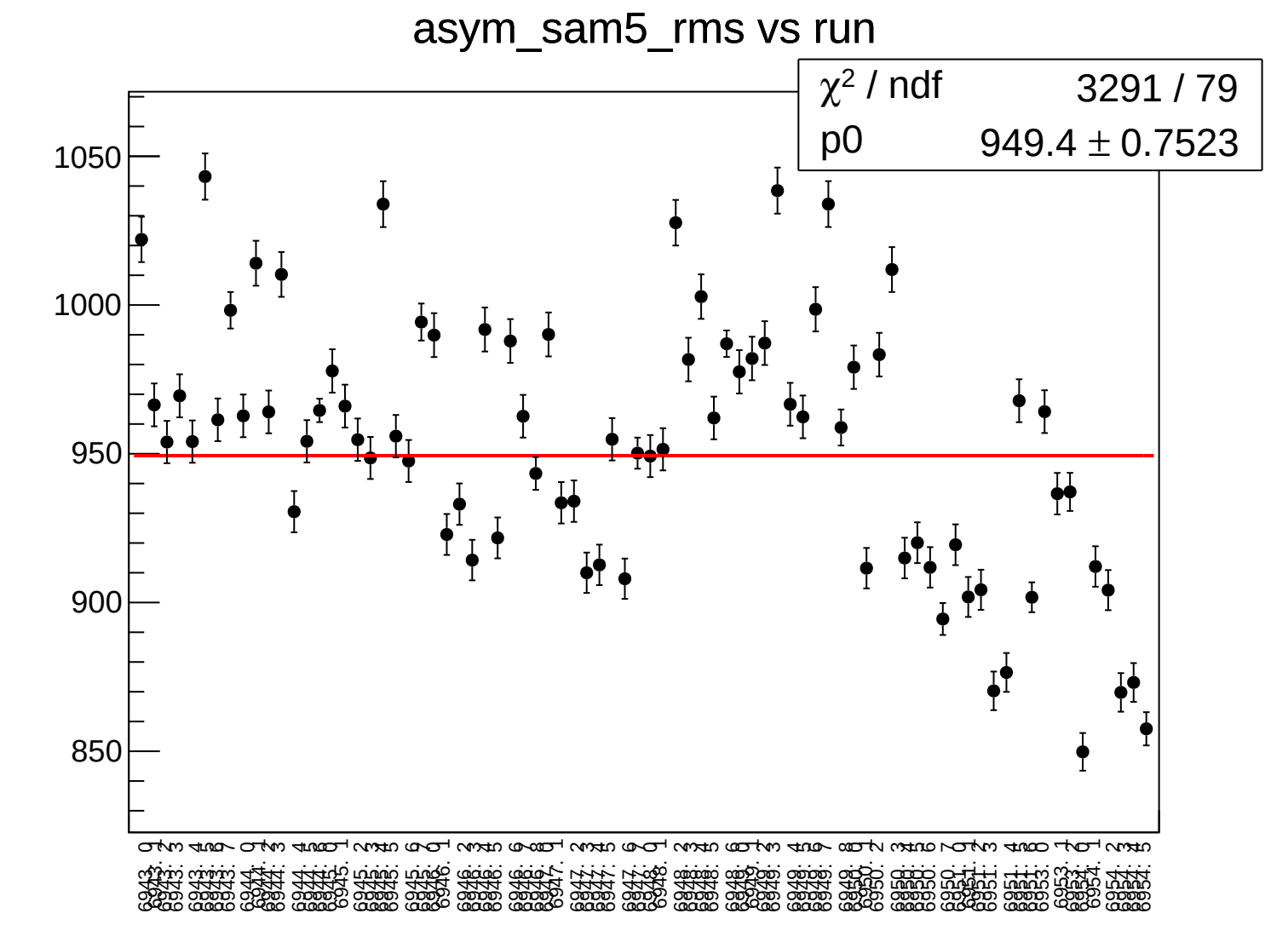

asym_sam5_correction_mean vs run
χ² / ndf 73.36 / 79
p0 553.3 ± 1082
pull
Entries 80
Mean −361.9
Std Dev 401.5

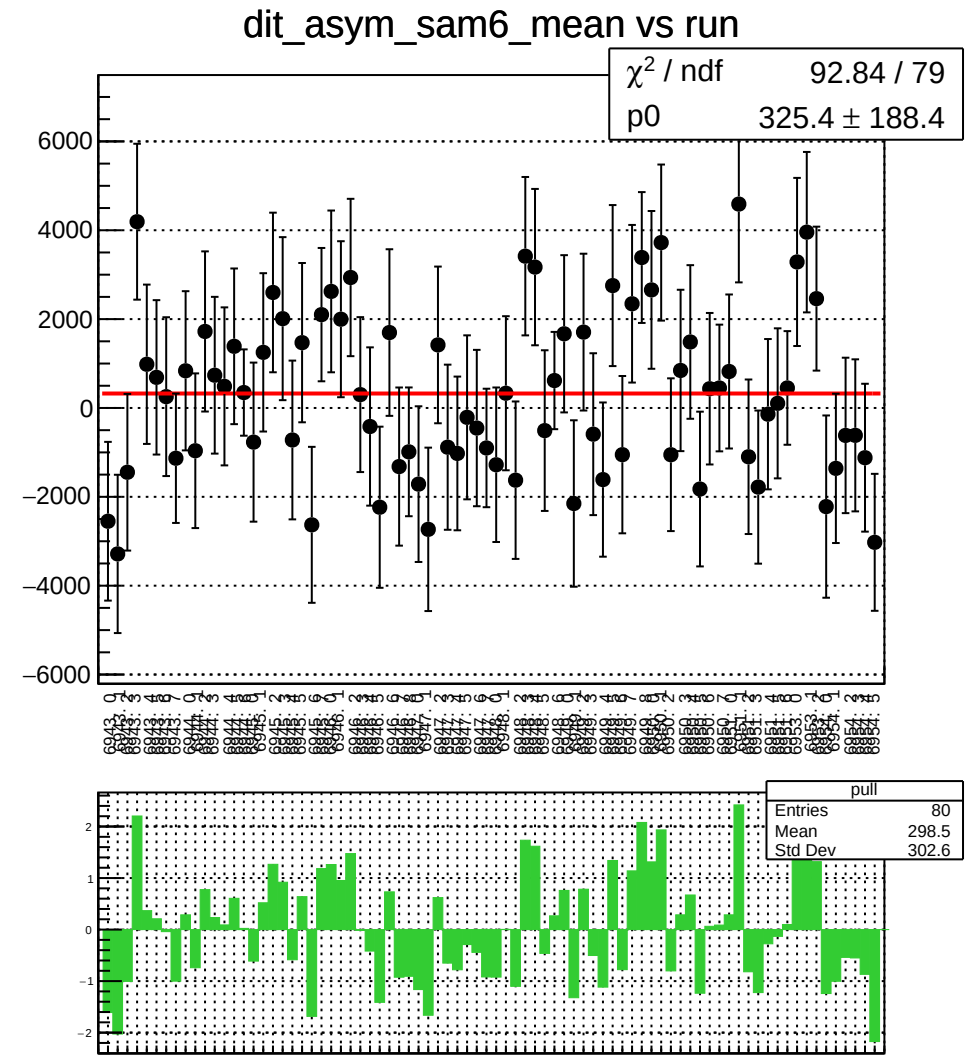

pull1D
Entries 80
Mean 0.00631
Std Dev 0.9576

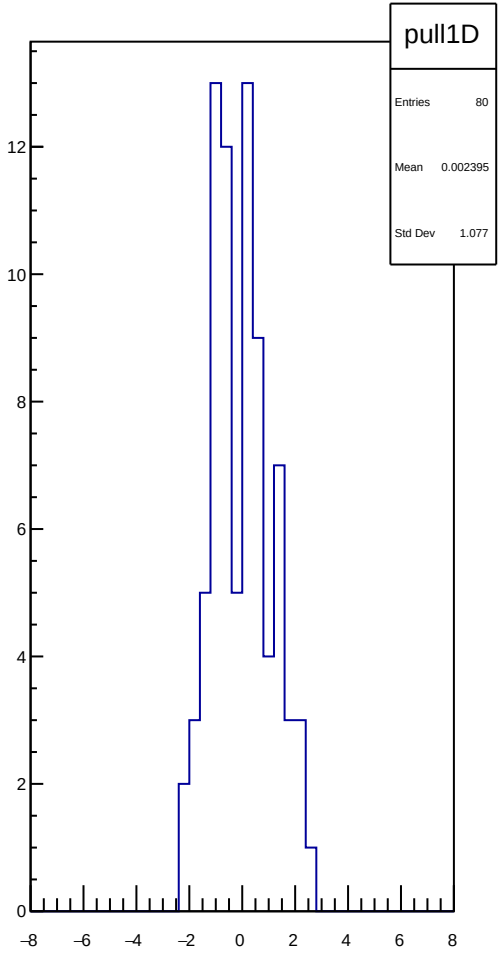

asym_sam5_correction_rms vs run
χ² / ndf 2879 / 79
p0 965.4 ± 0.7649
1080
1060
1040
1020
1000
980
960
940
920
900
880
860

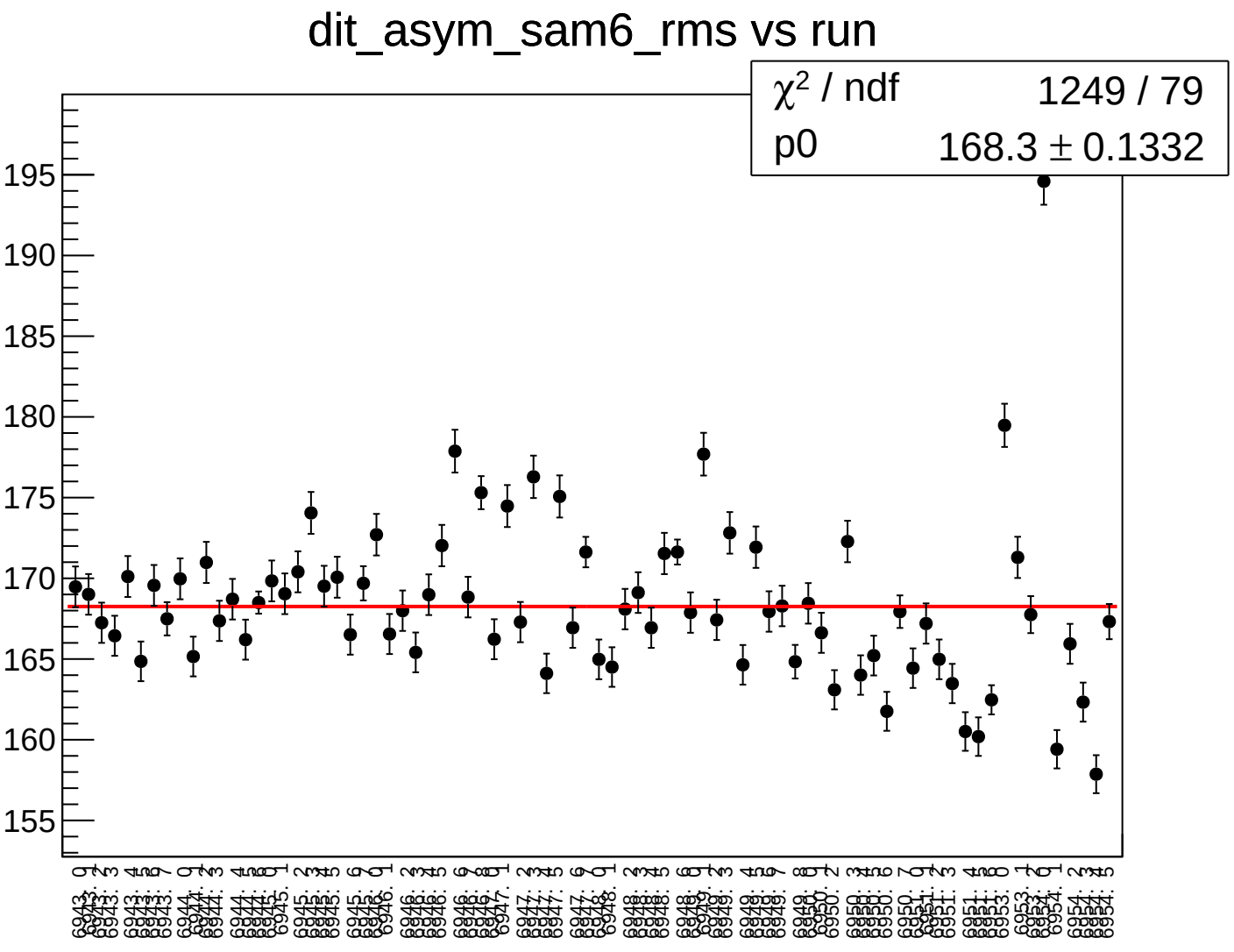

asym_sam5_mean vs run
χ² / ndf 73.1 / 79
p0 −271.8 ± 1064
pull
Entries 80
Mean −403.5
Std Dev 442.6

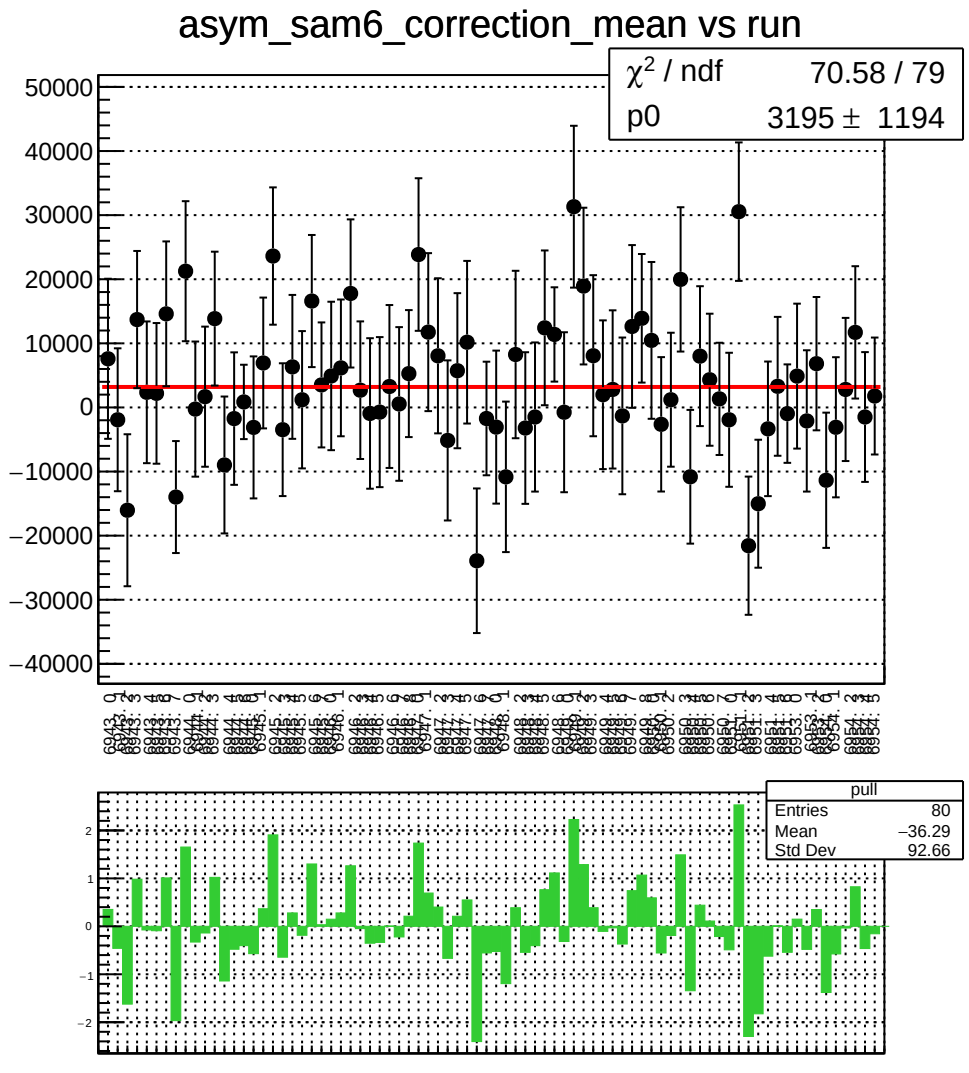

pull1D
Entries 80
Mean −0.006455
Std Dev 0.9559

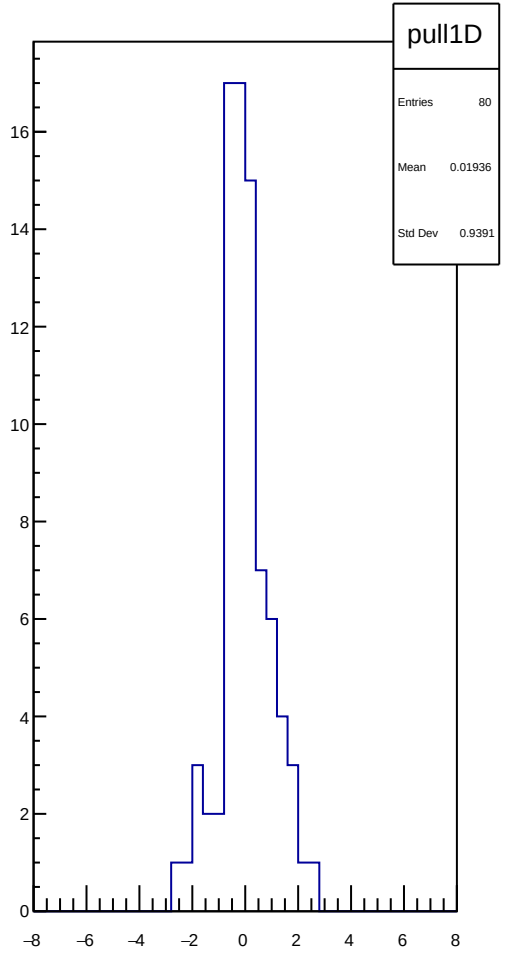

asym_sam5_rms vs run
χ² / ndf 3291 / 79
p0 949.4 ± 0.7523
1050
1000
950
900
850

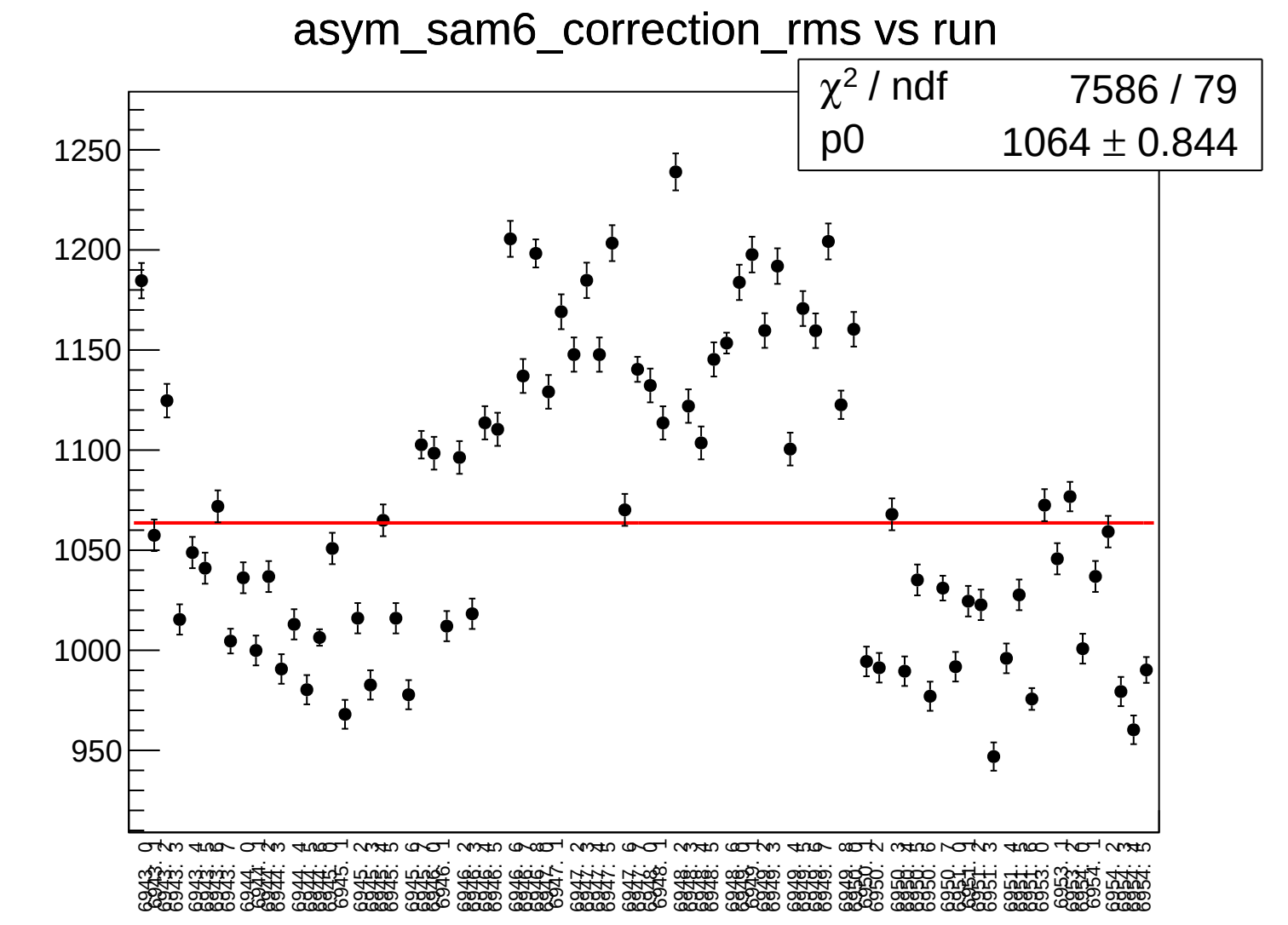

dit_asym_sam6_mean vs run
χ² / ndf 92.84 / 79
p0 325.4 ± 188.4
pull
Entries 80
Mean 298.5
Std Dev 302.6

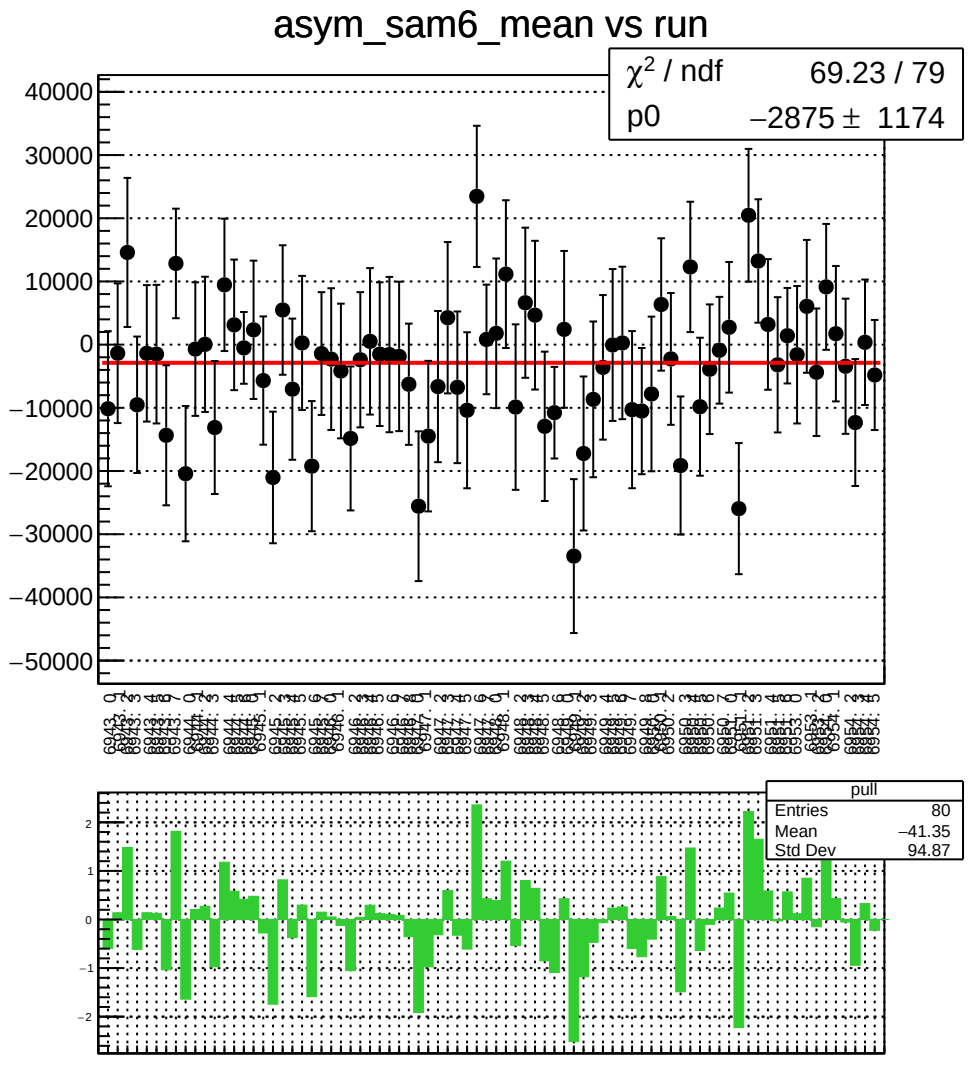

pull1D
Entries 80
Mean 0.002395
Std Dev 1.077

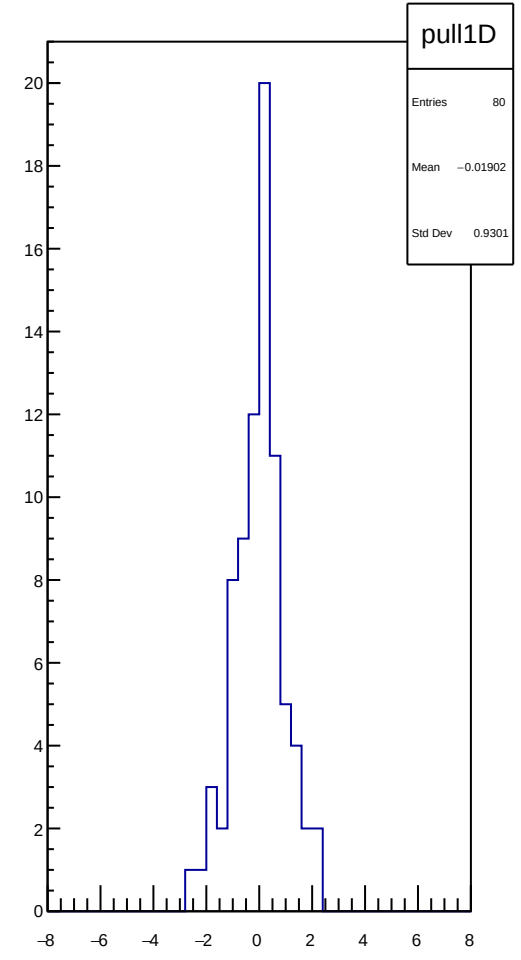

dit_asym_sam6_rms vs run
χ^2 / ndf 1249 / 79
p0 168.3 ± 0.1332
195
190
185
180
175
170
165
160
155

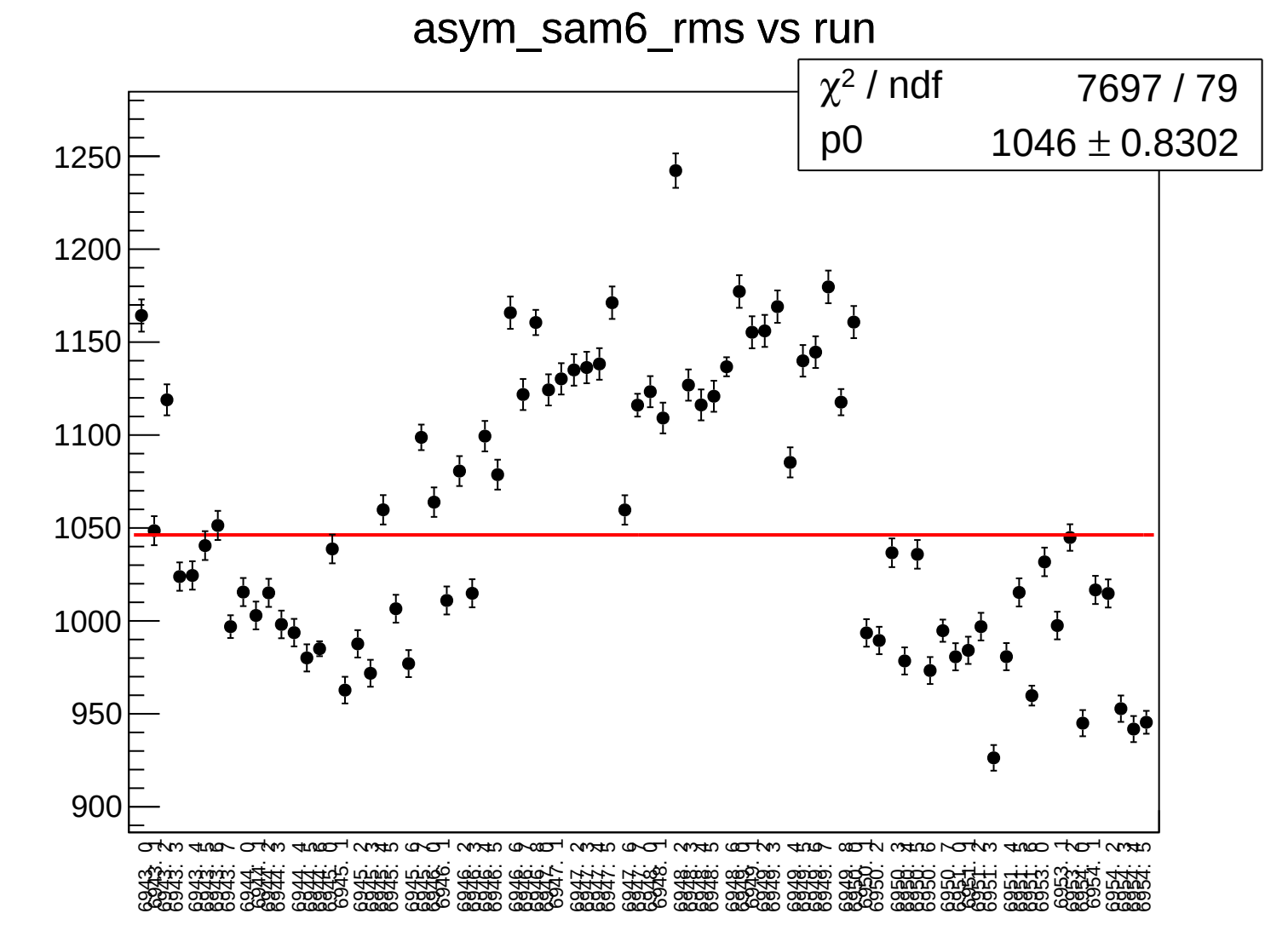

asym_sam6_correction_mean vs run
χ² / ndf 70.58 / 79
p0 3195 ± 1194
pull
Entries 80
Mean −36.29
Std Dev 92.66

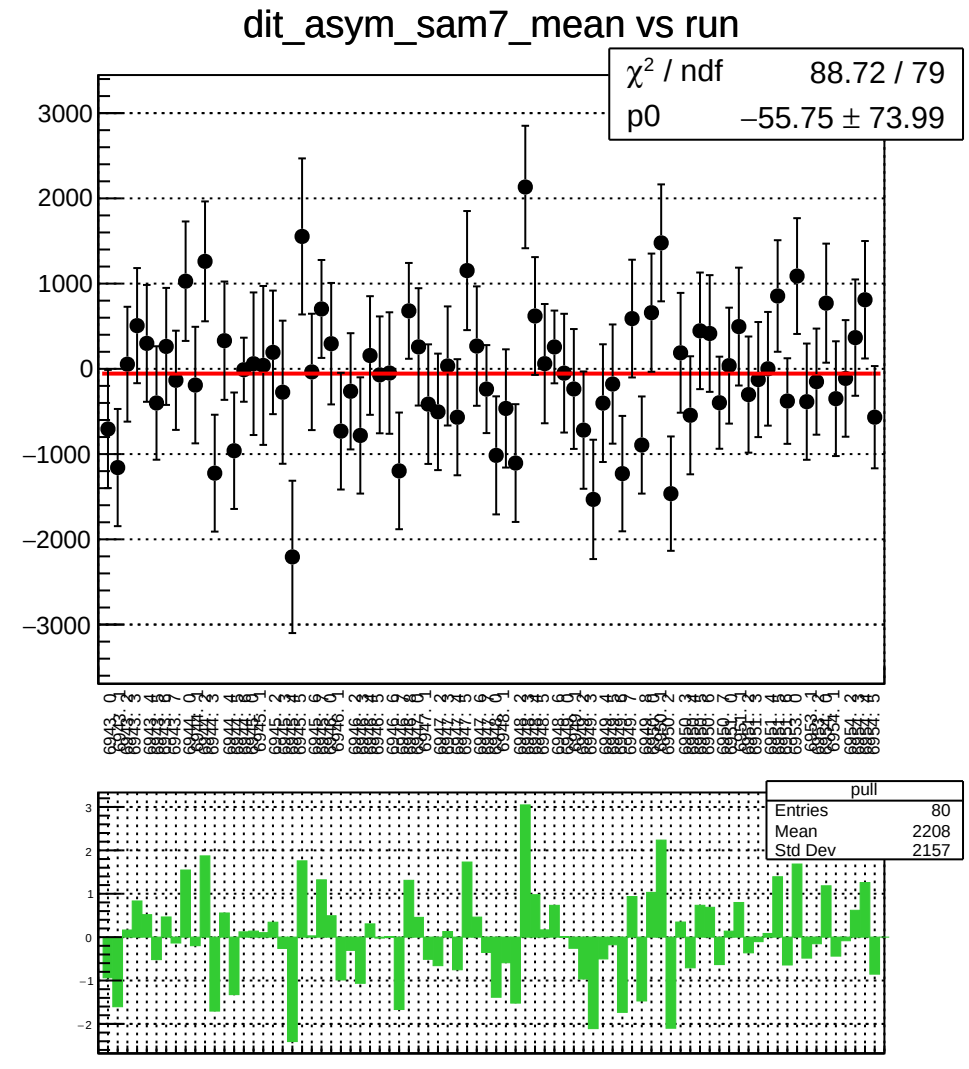

pull1D
Entries 80
Mean 0.01936
Std Dev 0.9391

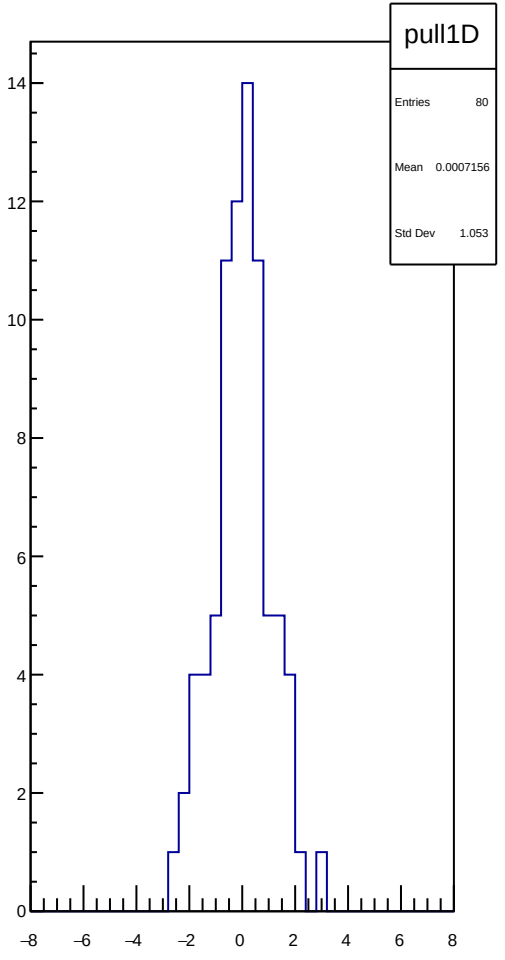

asym_sam6_correction_rms vs run
χ² / ndf 7586 / 79
p0 1064 ± 0.844
1250
1200
1150
1100
1050
1000
950

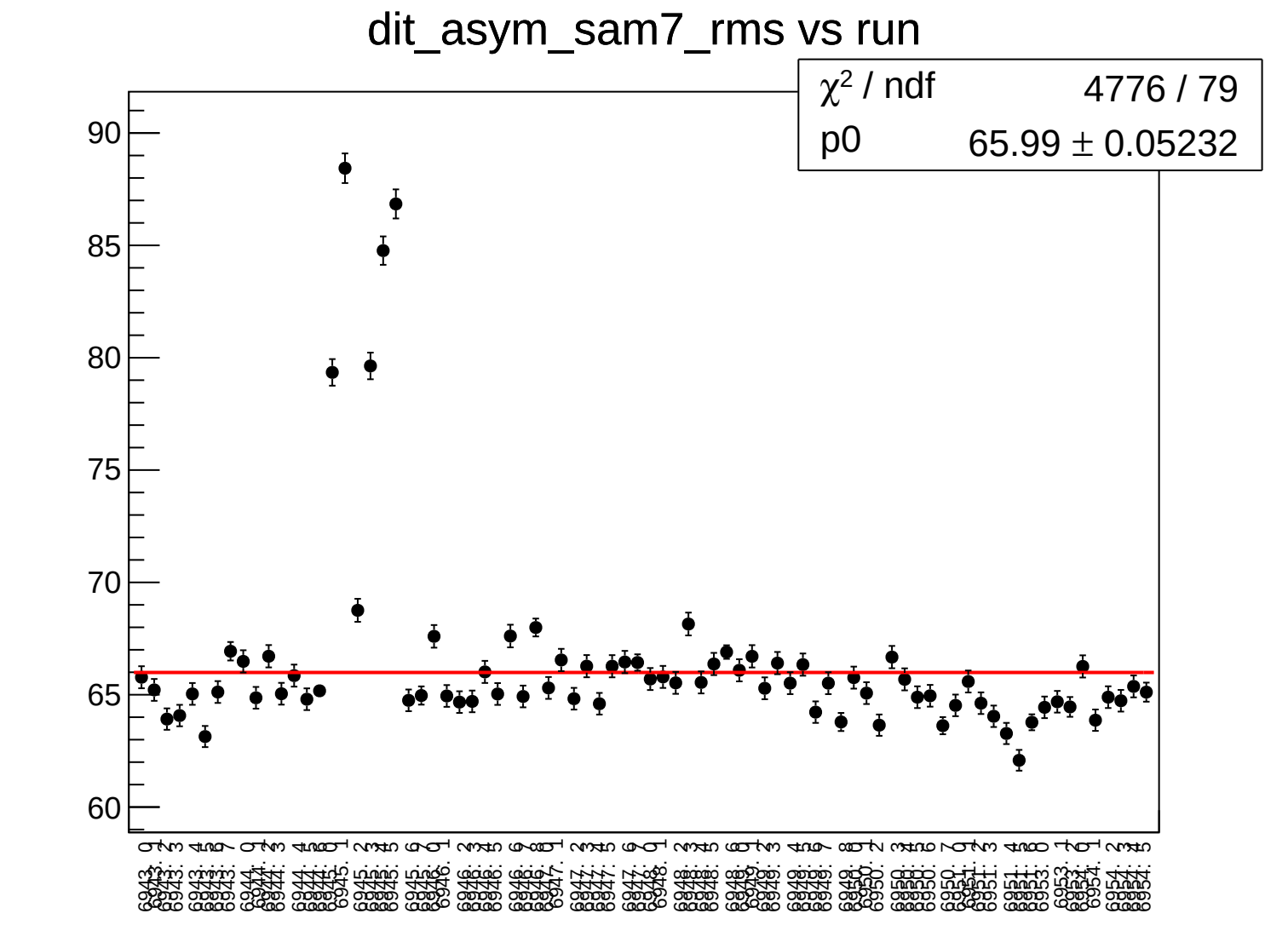

asym_sam6_mean vs run
χ² / ndf 69.23 / 79
p0 −2875 ± 1174
pull
Entries 80
Mean −41.35
Std Dev 94.87

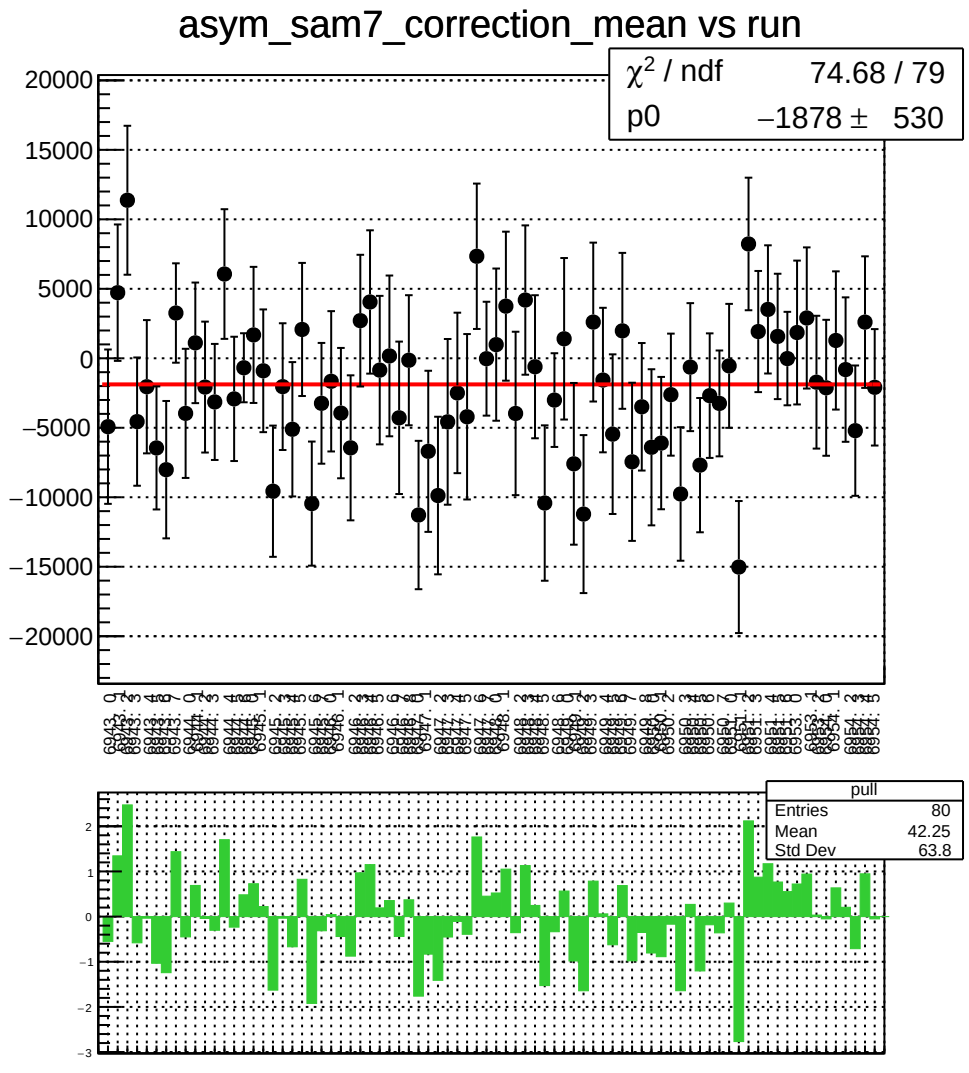

pull1D
Entries 80
Mean −0.01902
Std Dev 0.9301

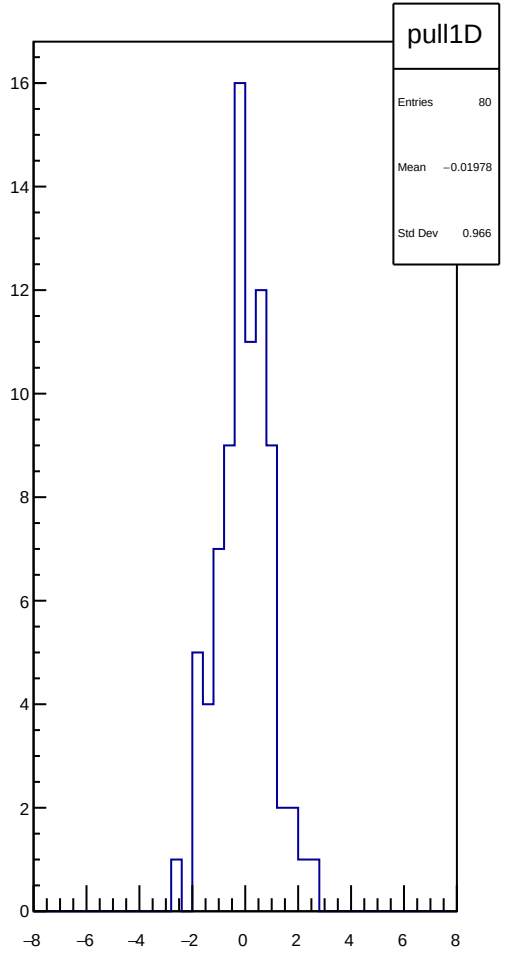

asym_sam6_rms vs run
χ² / ndf 7697 / 79
p0 1046 ± 0.8302
1250
1200
1150
1100
1050
1000
950
900

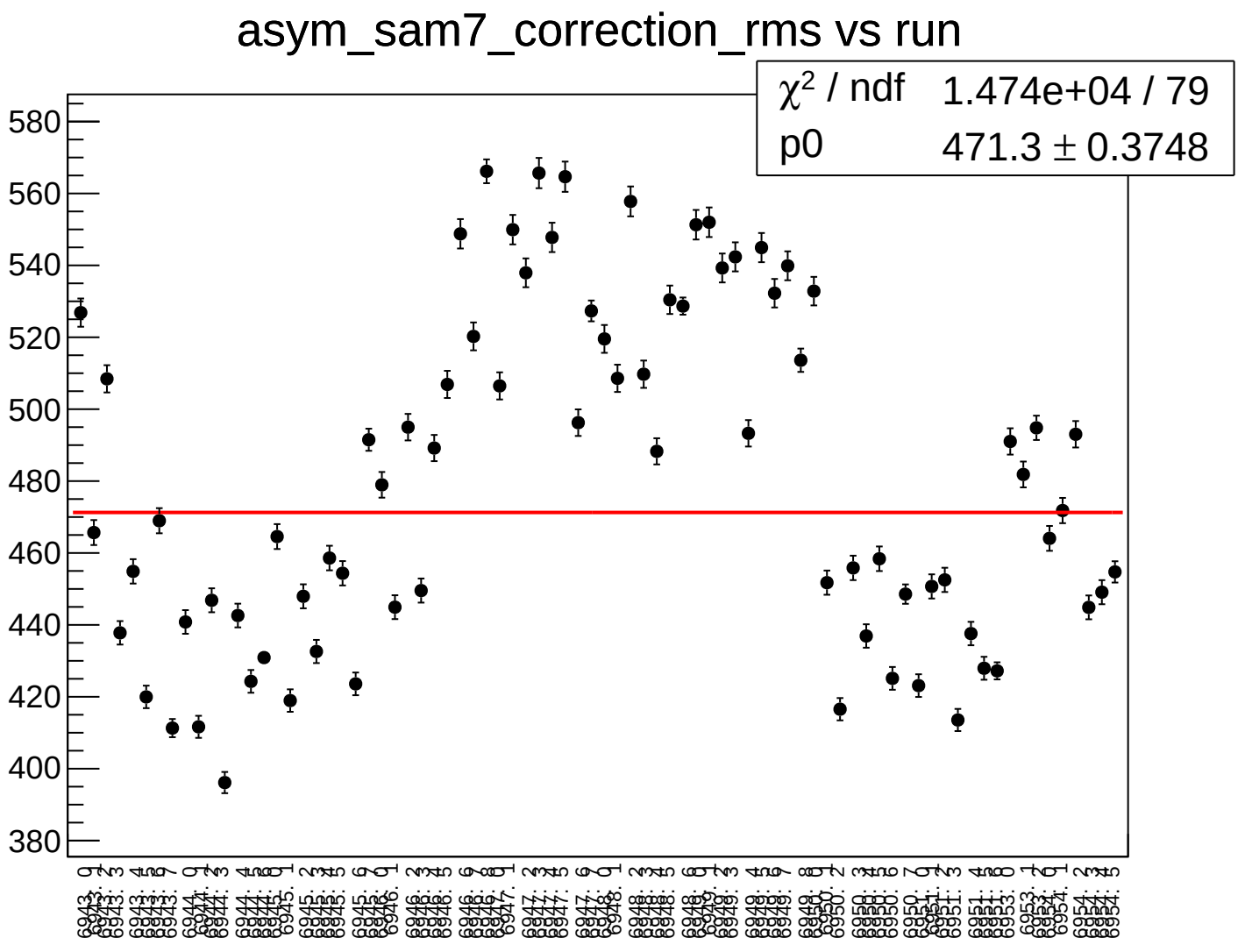

dit_asym_sam7_mean vs run
χ² / ndf 88.72 / 79
p0 −55.75 ± 73.99
pull
Entries 80
Mean 2208
Std Dev 2157

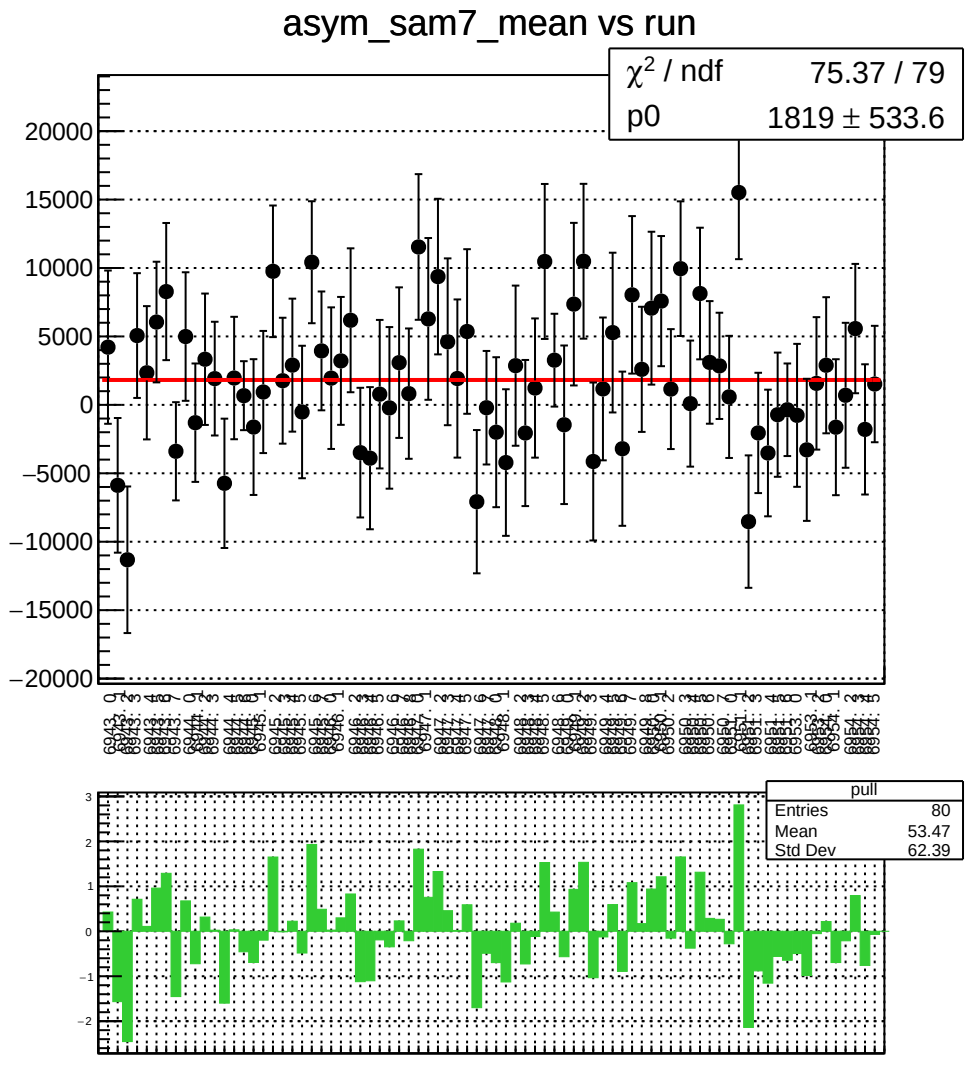

pull1D
Entries 80
Mean 0.0007156
Std Dev 1.053

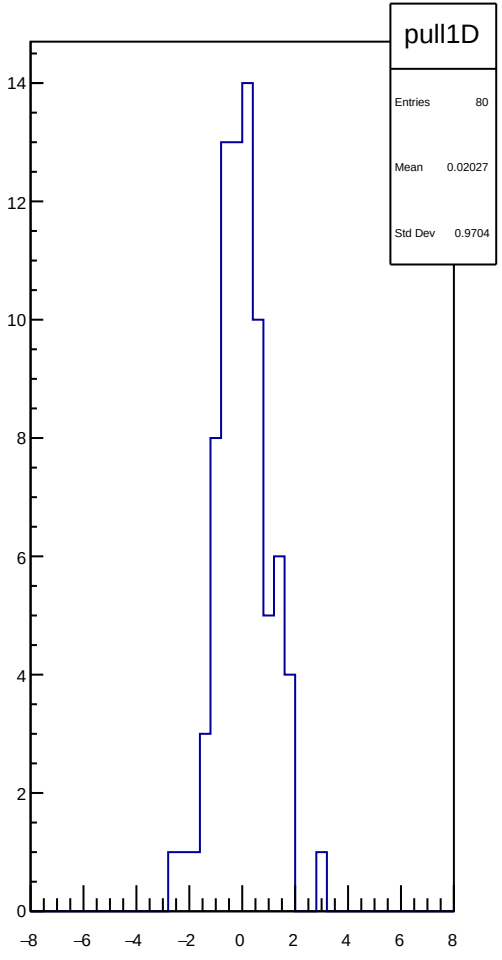

dit_asym_sam7_rms vs run
χ² / ndf 4776 / 79
p0 65.99 ± 0.05232
90
85
80
75
70
65
60

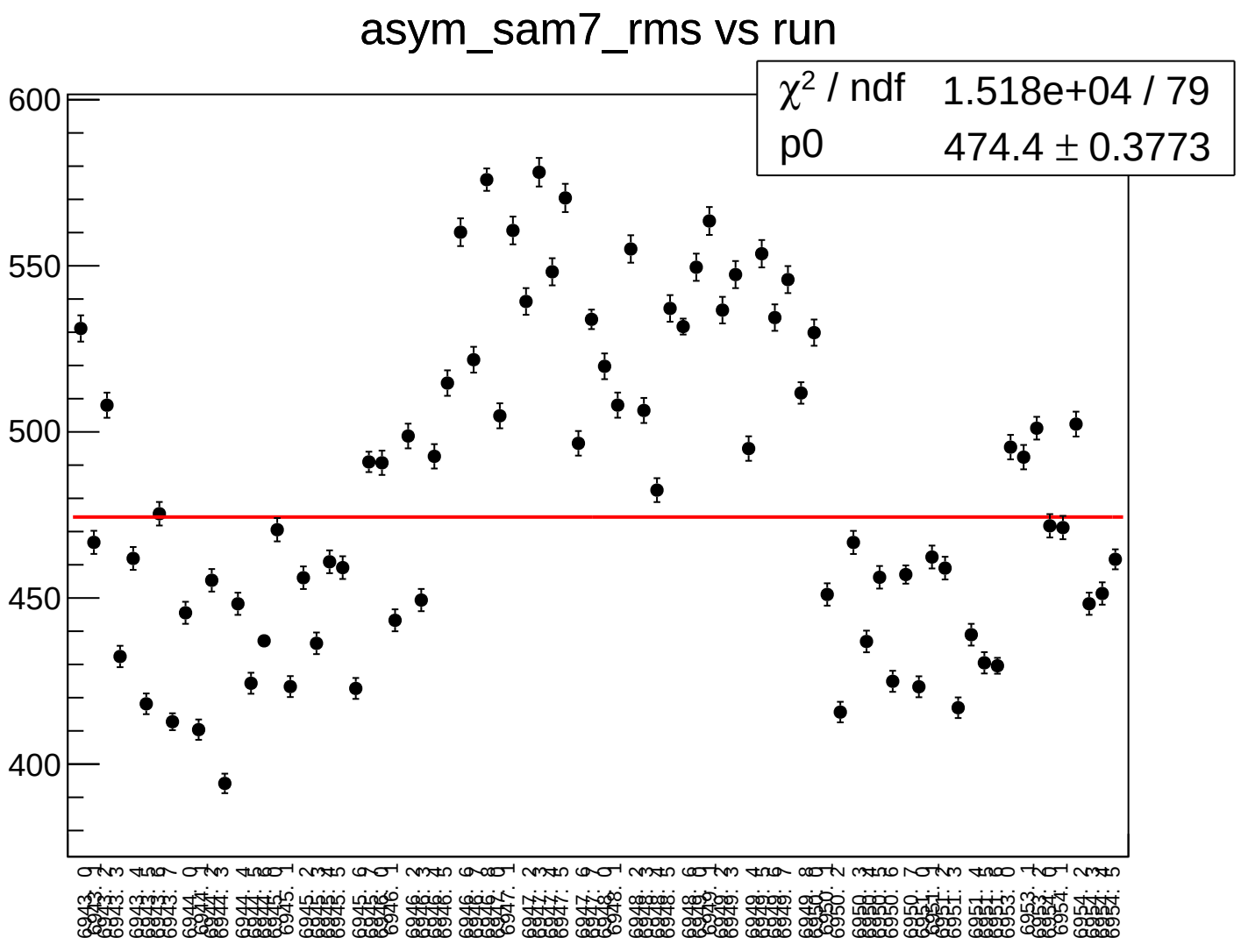

asym_sam7_correction_mean vs run
χ² / ndf 74.68 / 79
p0 −1878 ± 530
pull
Entries 80
Mean 42.25
Std Dev 63.8

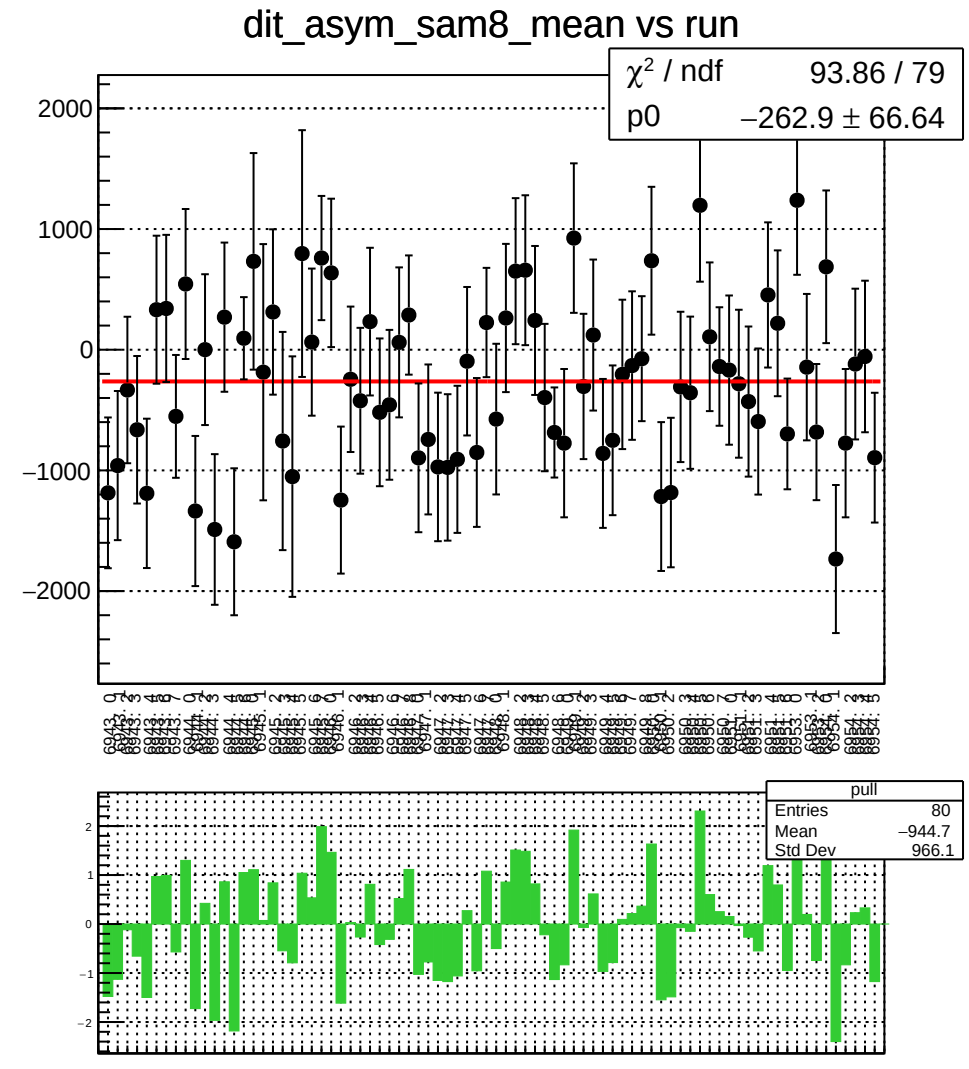

pull1D
Entries 80
Mean −0.01978
Std Dev 0.966

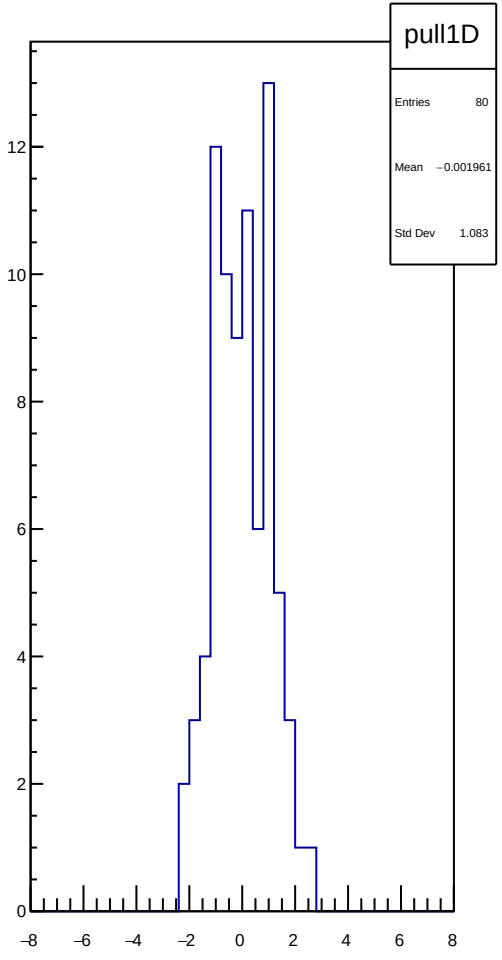

asym_sam7_correction_rms vs run
χ² / ndf 1.474e+04 / 79
p0 471.3 ± 0.3748
580
560
540
520
500
480
460
440
420
400
380

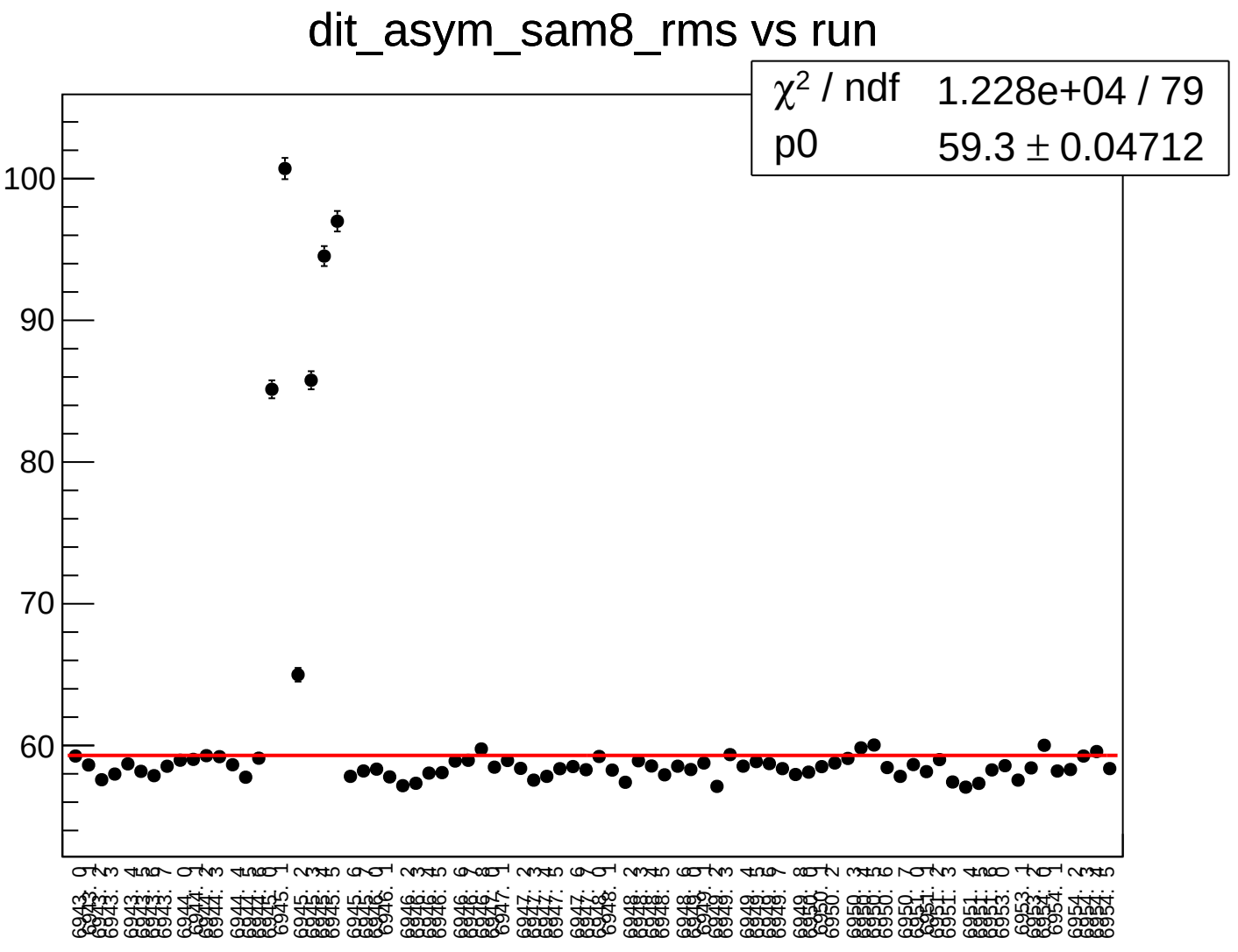

asym_sam7_mean vs run
χ² / ndf 75.37 / 79
p0 1819 ± 533.6
pull
Entries 80
Mean 53.47
Std Dev 62.39

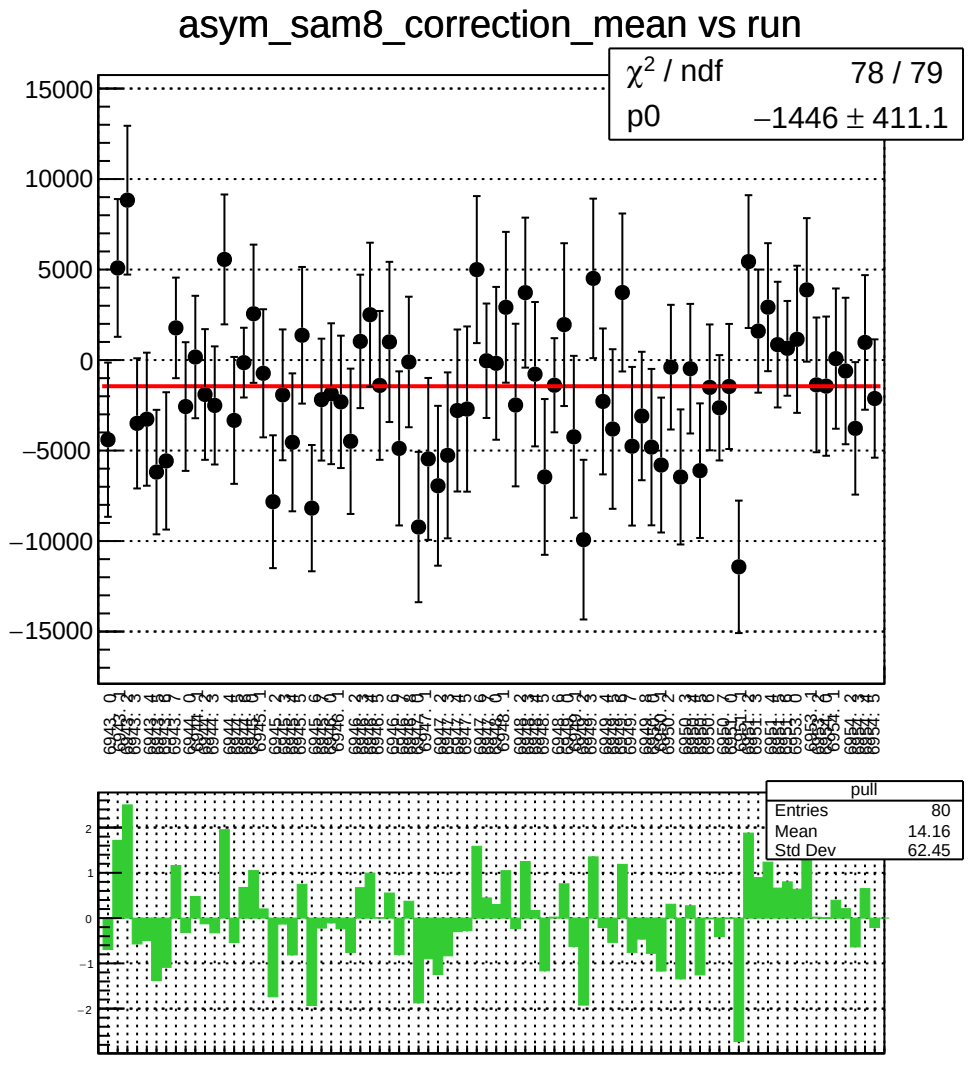

pull1D
Entries 80
Mean 0.02027
Std Dev 0.9704

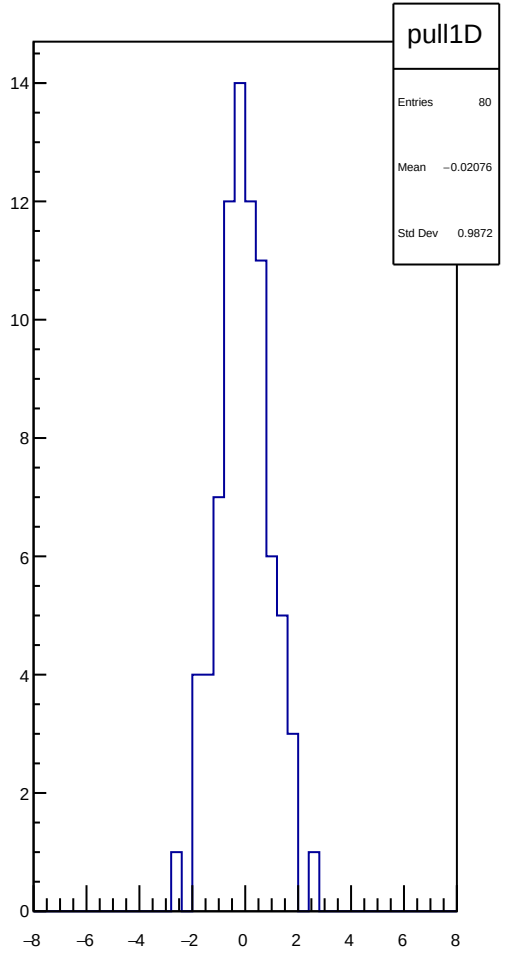

asym_sam7_rms vs run
χ² / ndf 1.518e+04 / 79
p0 474.4 ± 0.3773
600
550
500
450
400


dit_asym_sam8_mean vs run
χ² / ndf 93.86 / 79
p0 −262.9 ± 66.64
2000
1000
0
−1000
−2000
pull
Entries 80
Mean −944.7
Std Dev 966.1
2
1
0
−1
−2

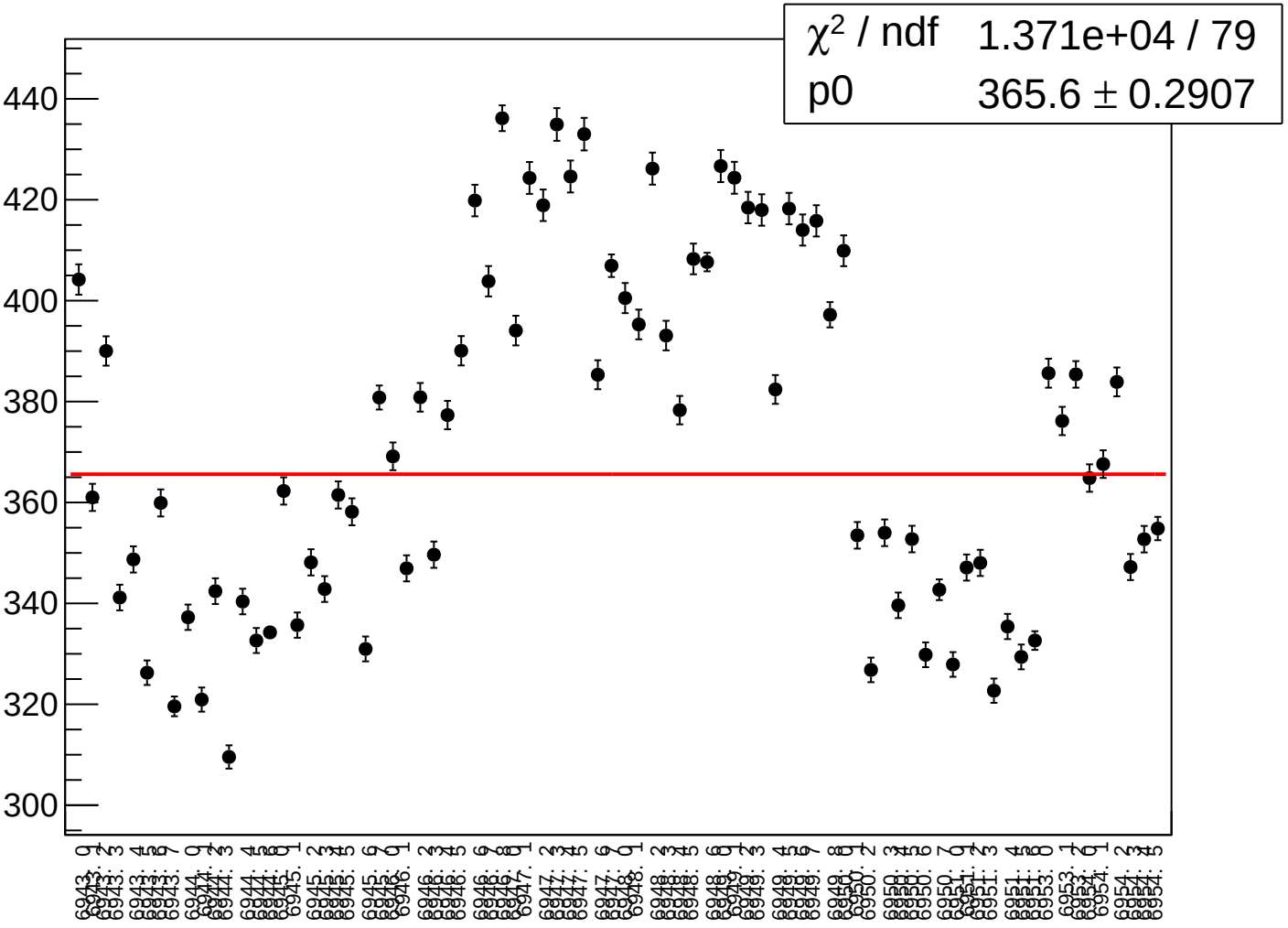

pull1D
Entries 80
Mean −0.001961
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

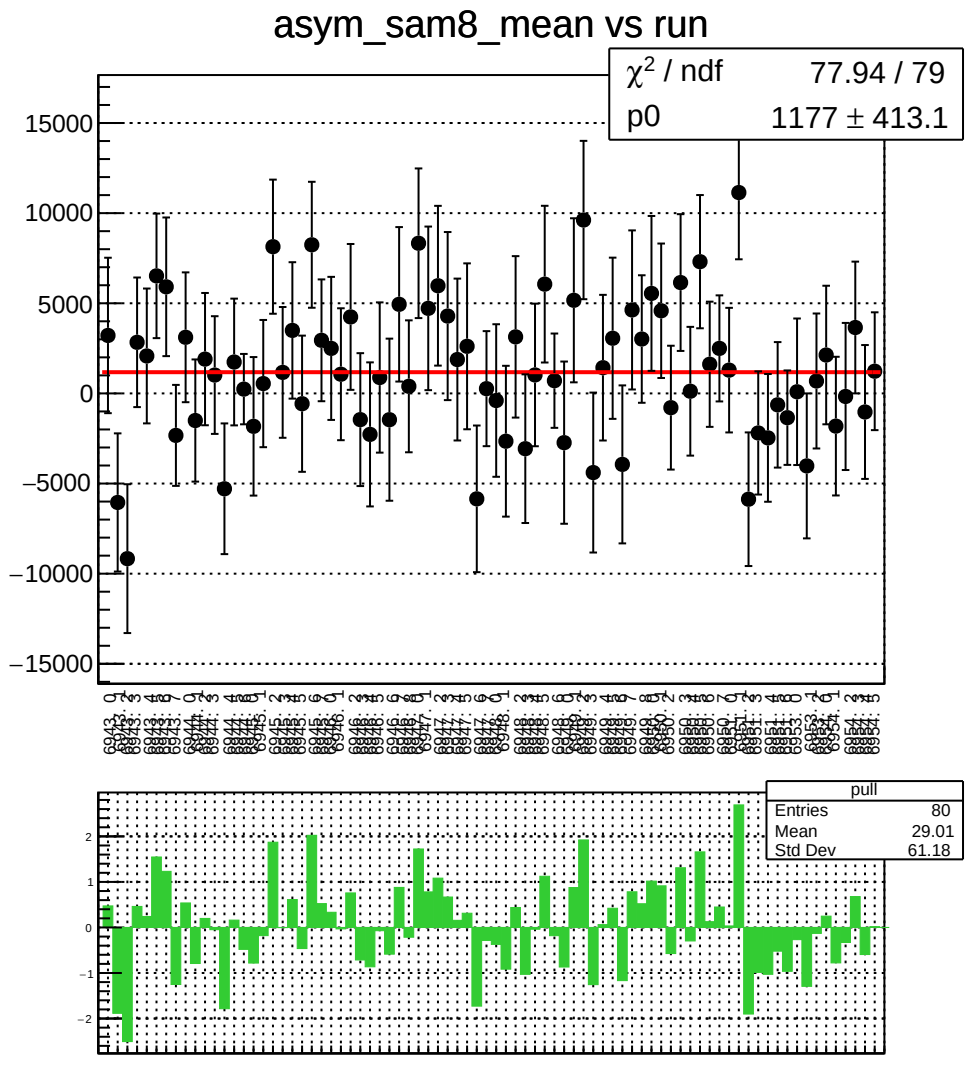

dit_asym_sam8_rms vs run
χ^2 / ndf 1.228e+04 / 79
p0 59.3 ± 0.04712
100
90
80
70
60

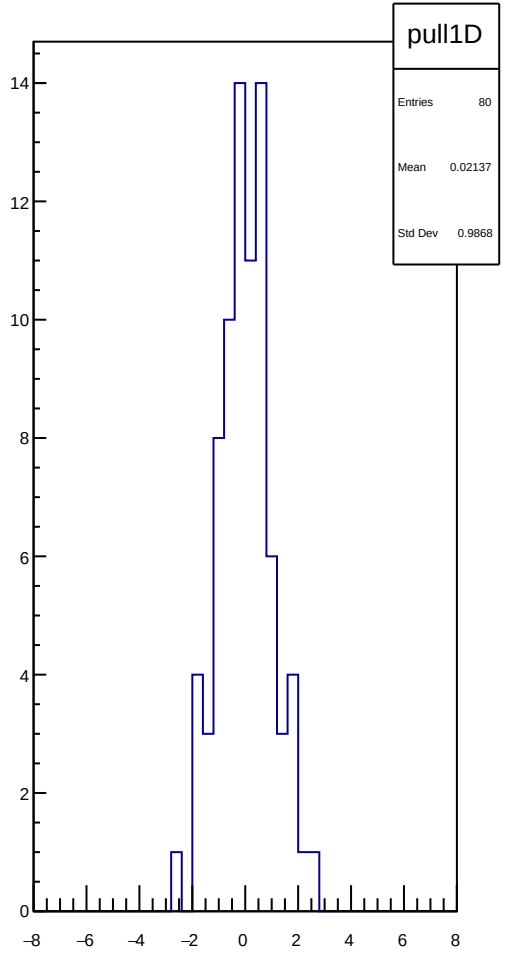

asym_sam8_correction_mean vs run
χ² / ndf 78 / 79
p0 −1446 ± 411.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 14.16
Std Dev 62.45
2
1
0
−1
−2

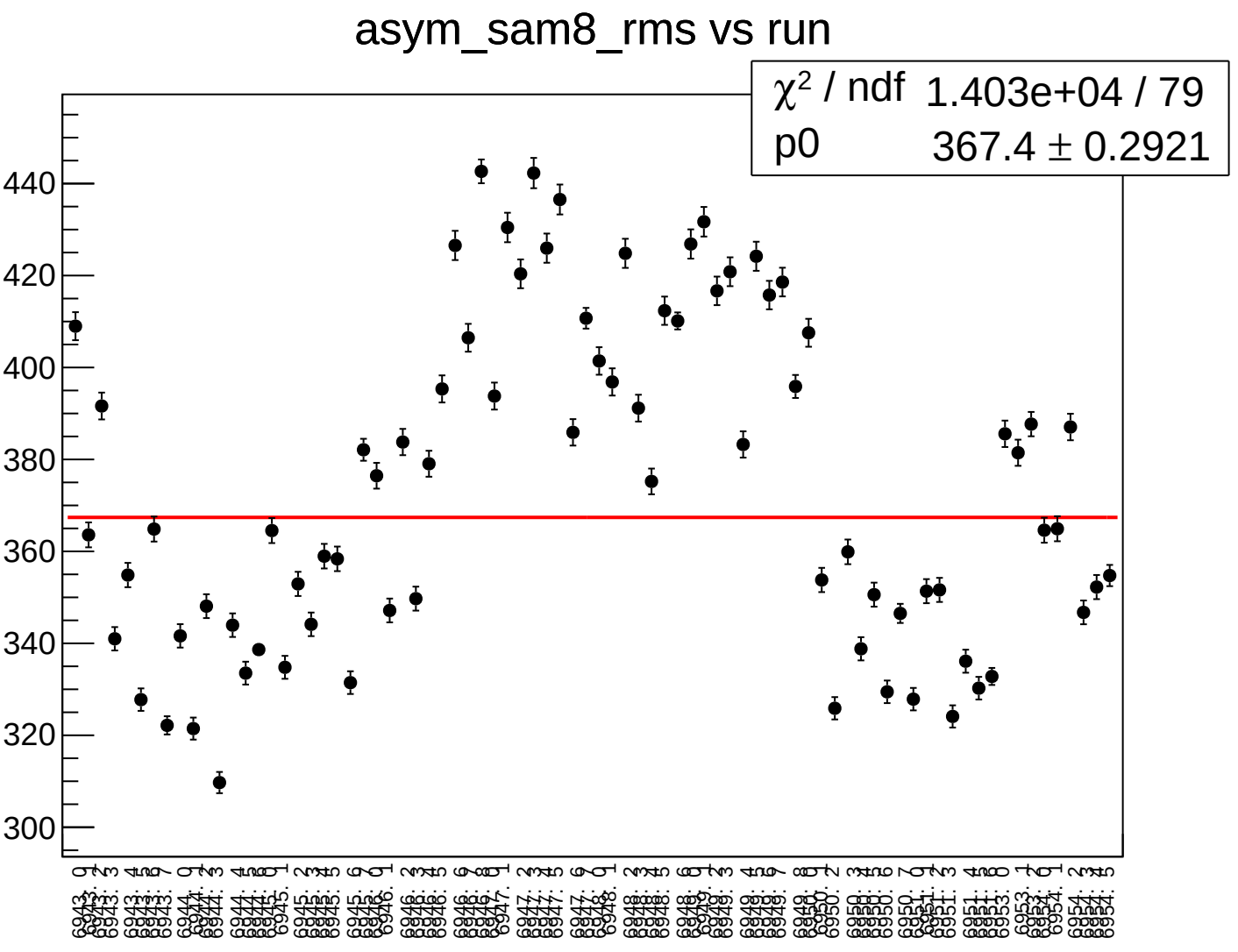

pull1D
Entries 80
Mean −0.02076
Std Dev 0.9872
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

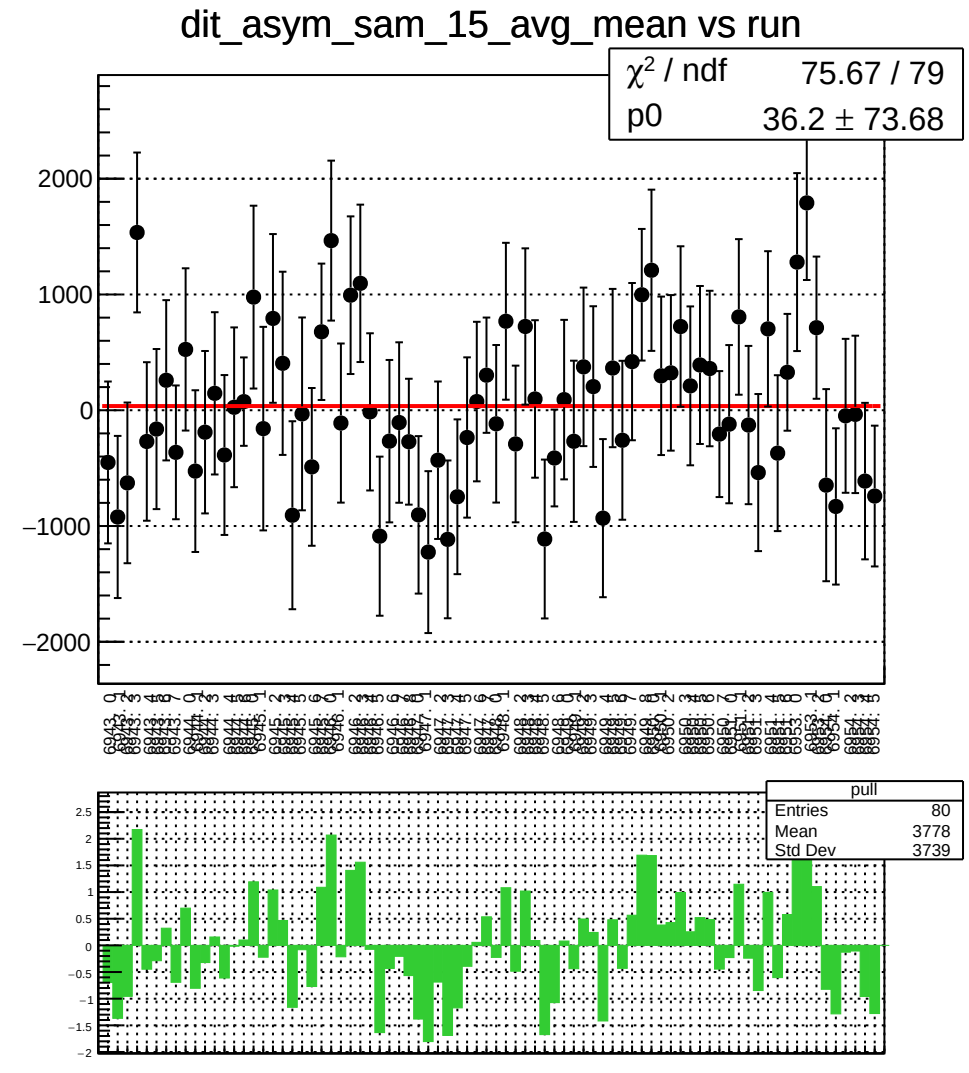
asym_sam8_correction_rms vs run

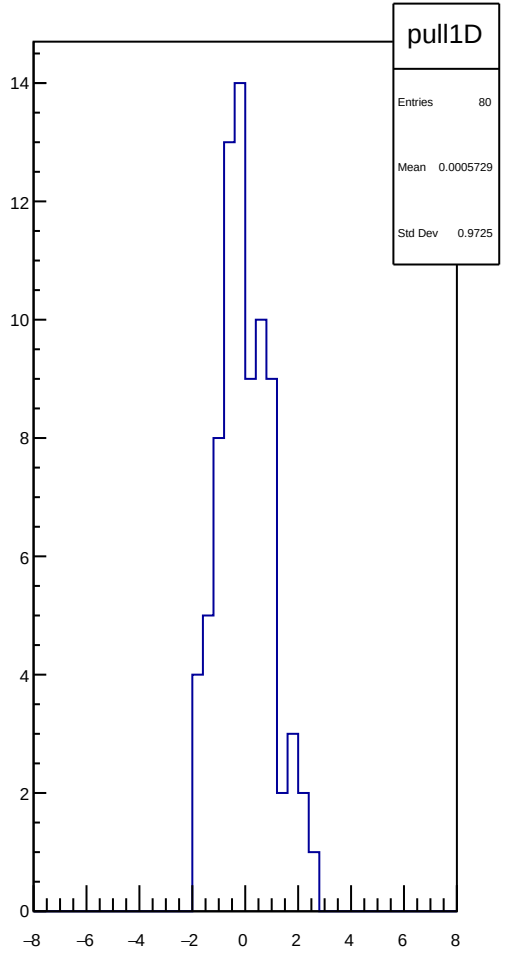


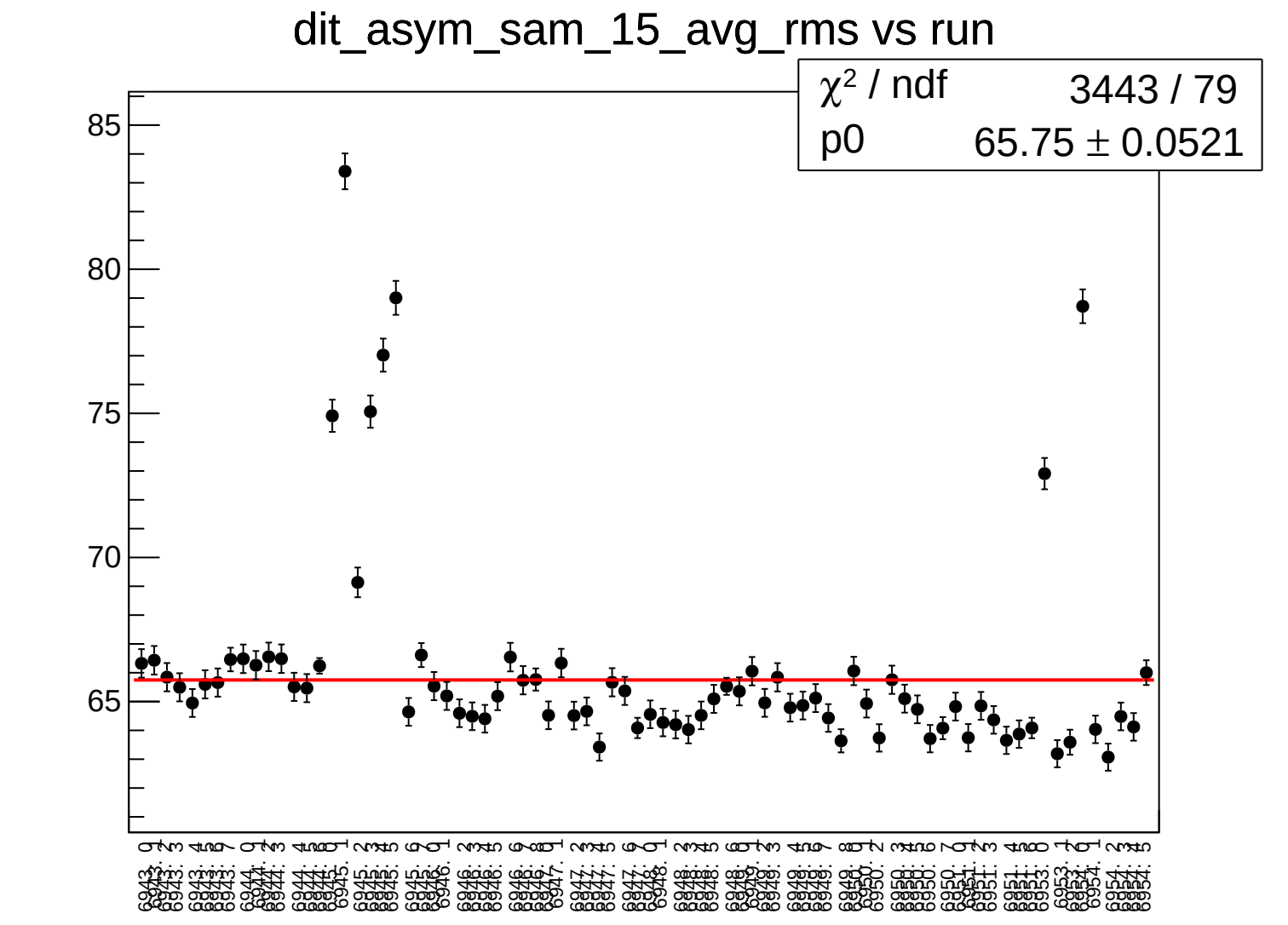

asym_sam8_mean vs run
χ² / ndf 77.94 / 79
p0 1177 ± 413.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 29.01
Std Dev 61.18
2
1
0
−1
−2

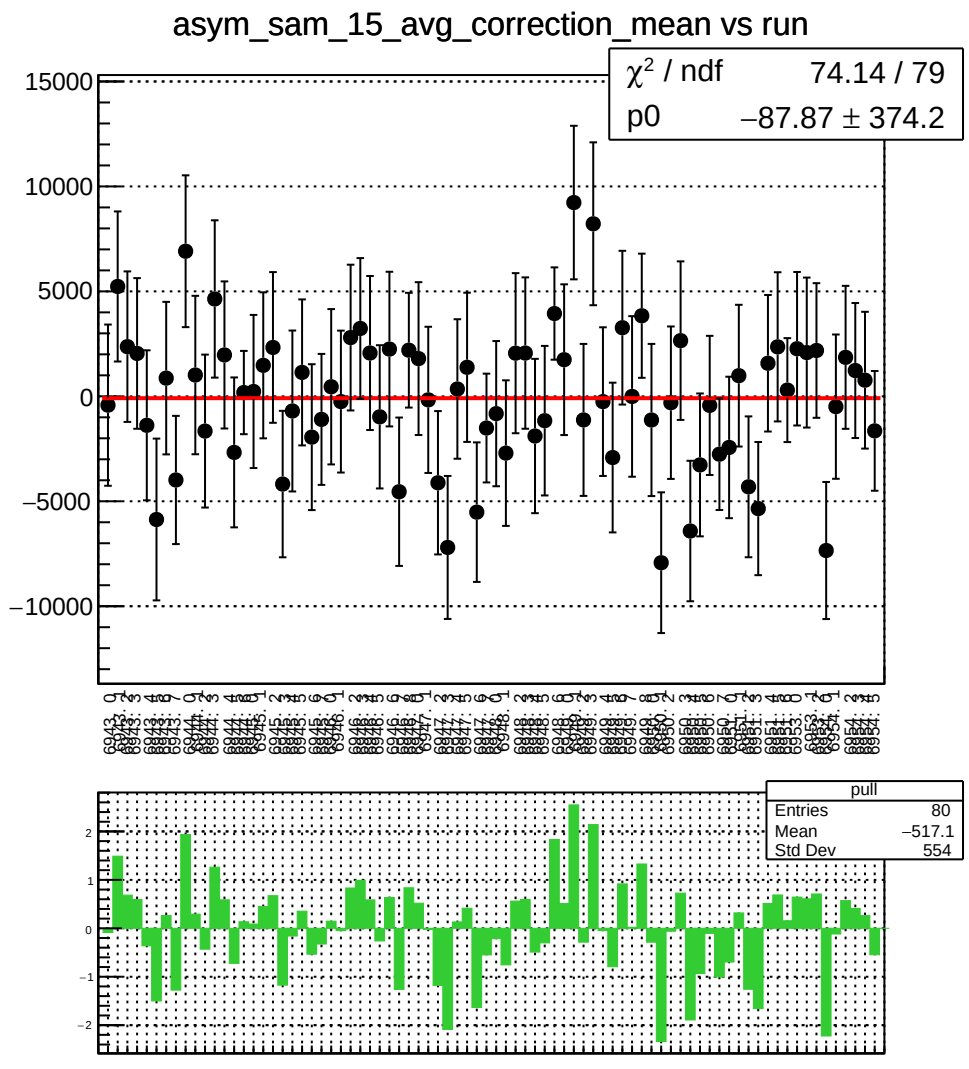

pull1D
Entries 80
Mean 0.02137
Std Dev 0.9868
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

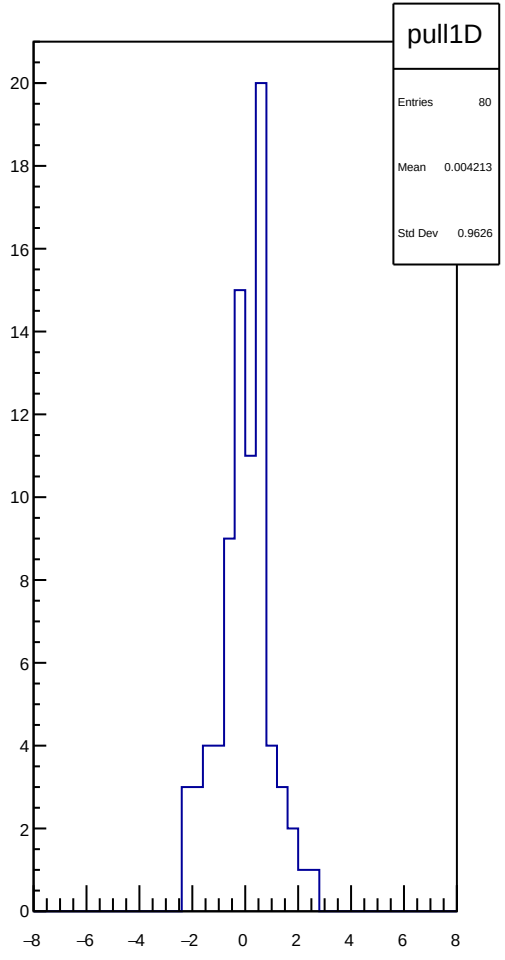

asym_sam8_rms vs run
χ² / ndf 1.403e+04 / 79
p0 367.4 ± 0.2921
440
420
400
380
360
340
320
300

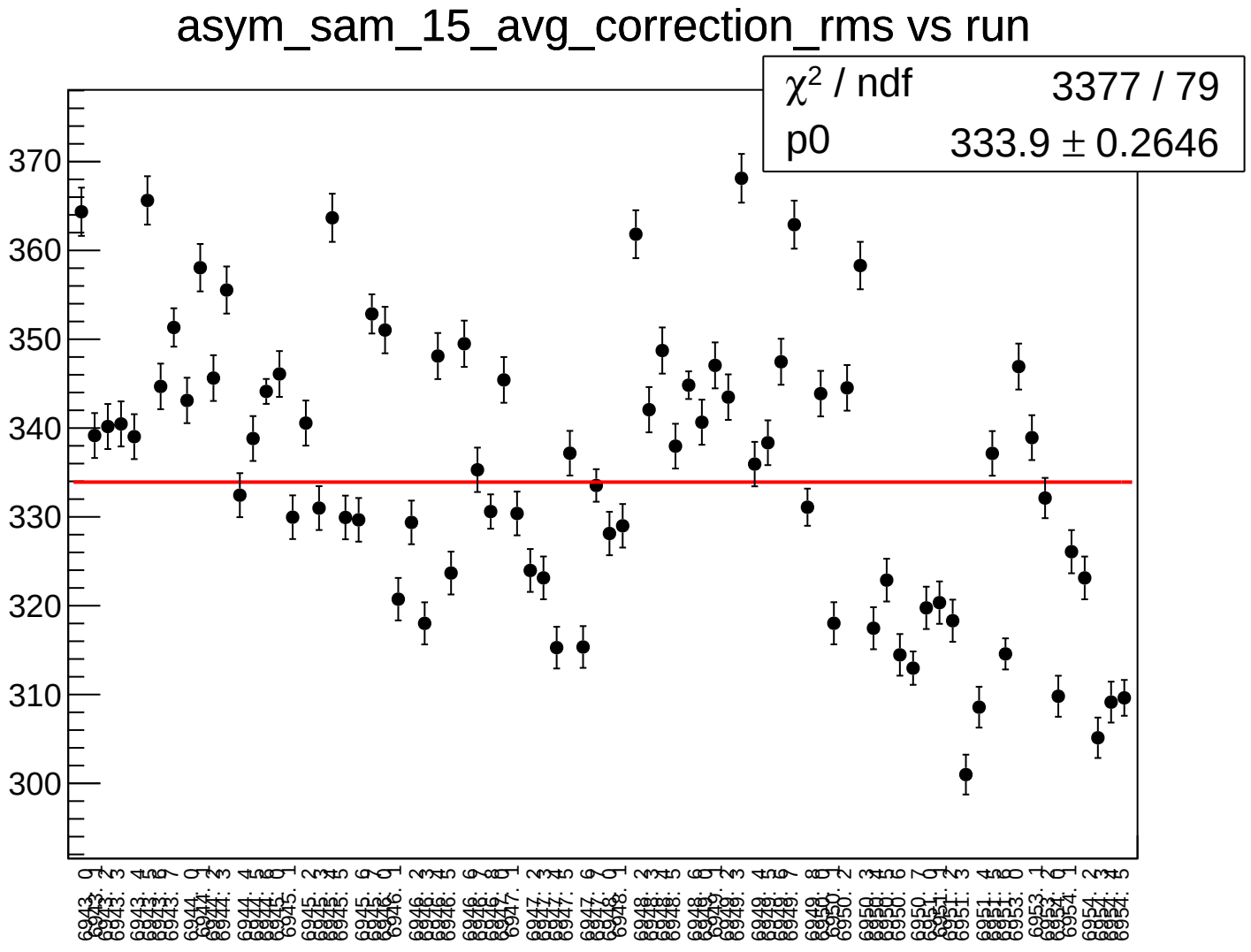

dit_asym_sam_15_avg_mean vs run
χ² / ndf 75.67 / 79
p0 36.2 ± 73.68
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 3778
Std Dev 3739
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

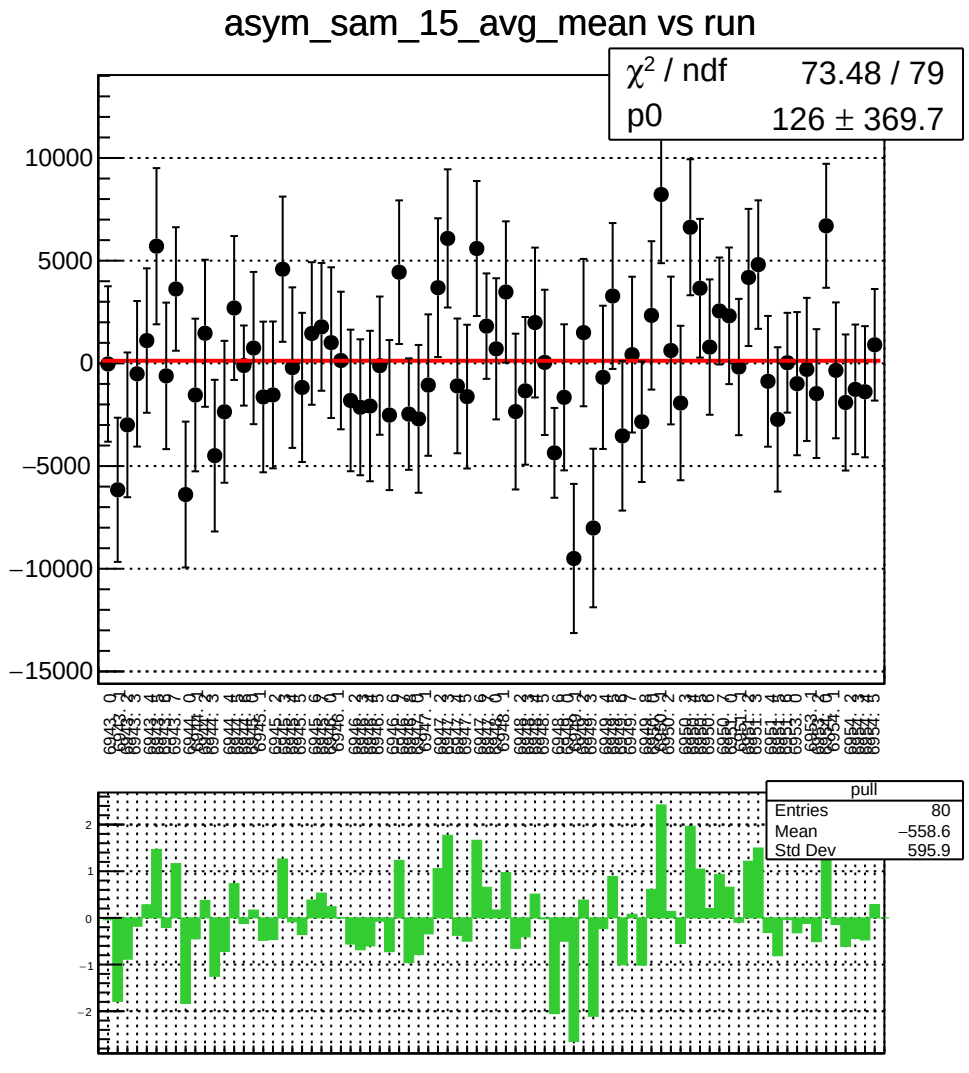

pull1D
Entries 80
Mean 0.0005729
Std Dev 0.9725
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

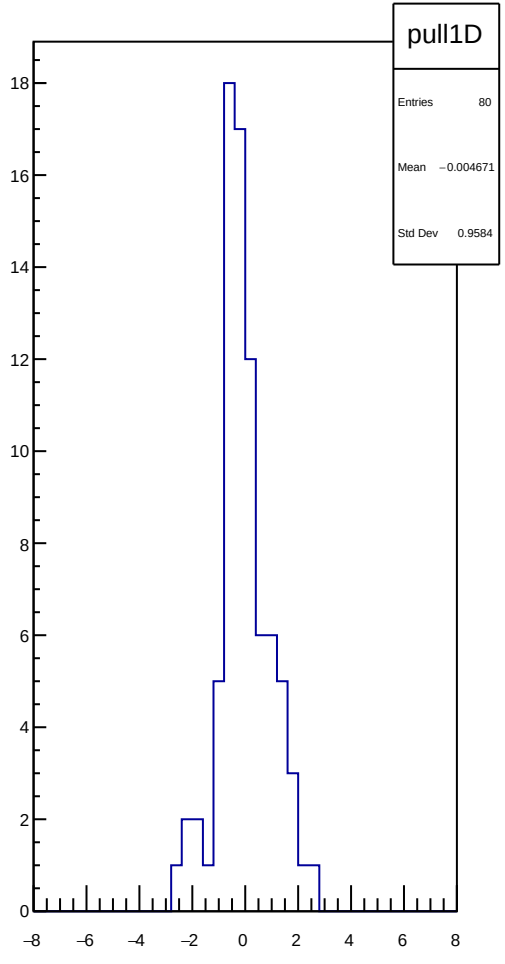

dit_asym_sam_15_avg_rms vs run
χ² / ndf 3443 / 79
p0 65.75 ± 0.0521
85
80
75
70
65

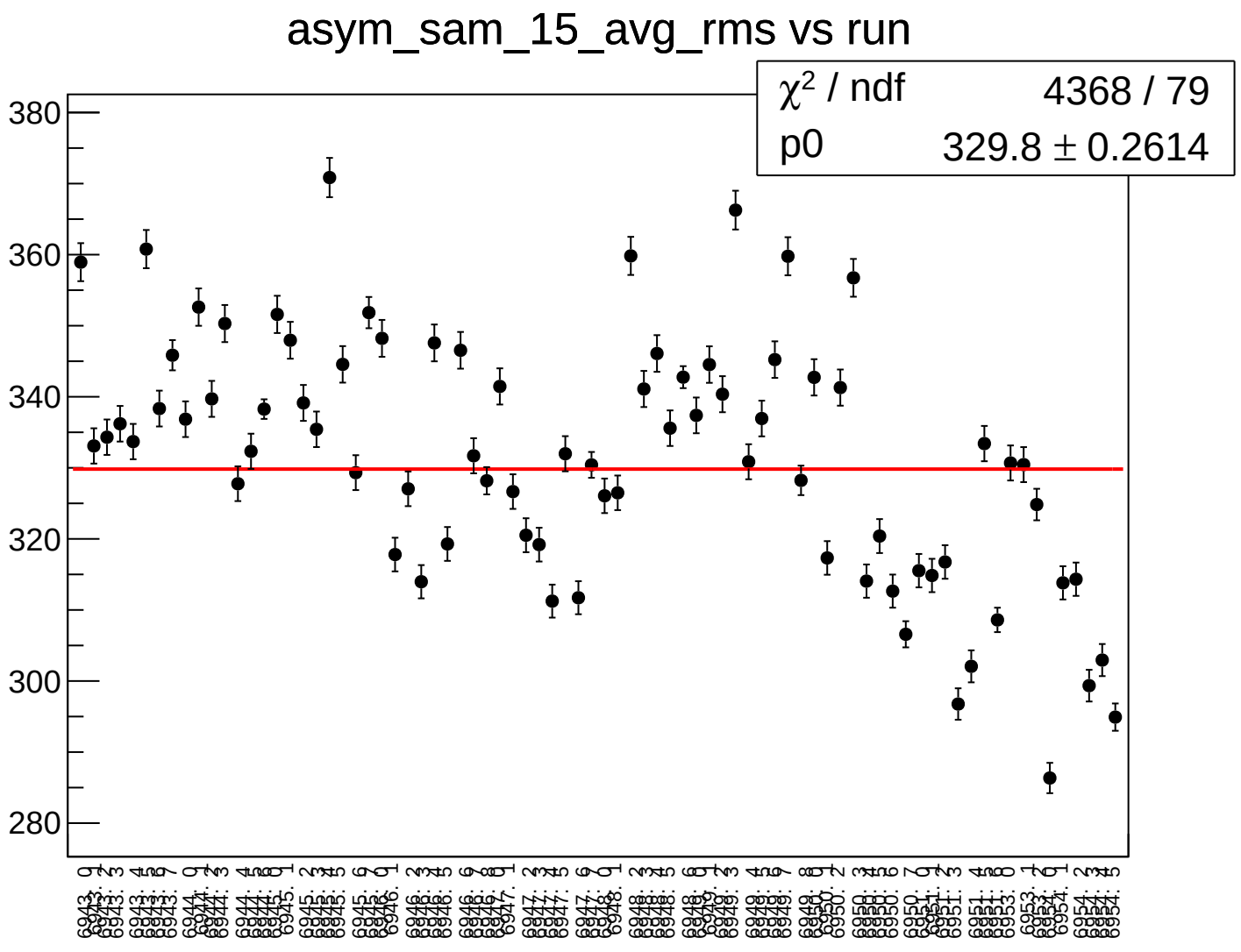

asym_sam_15_avg_correction_mean vs run
χ² / ndf 74.14 / 79
p0 −87.87 ± 374.2
pull
Entries 80
Mean −517.1
Std Dev 554

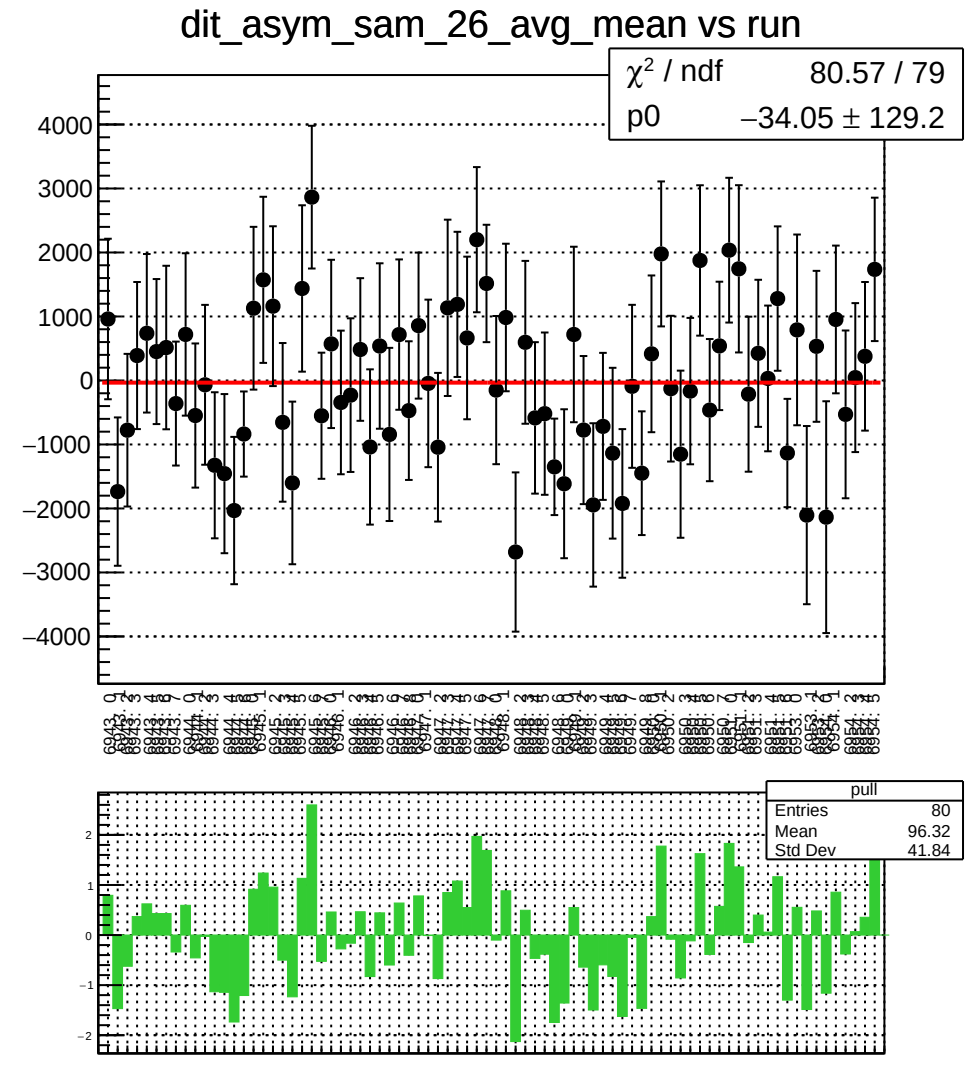

pull1D
Entries 80
Mean 0.004213
Std Dev 0.9626

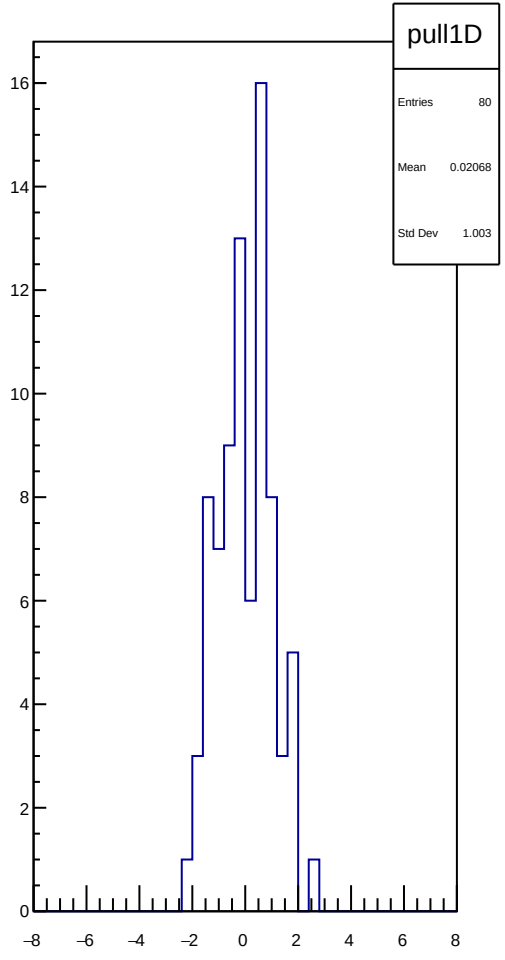

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3377 / 79
p0 333.9 ± 0.2646
370
360
350
340
330
320
310
300

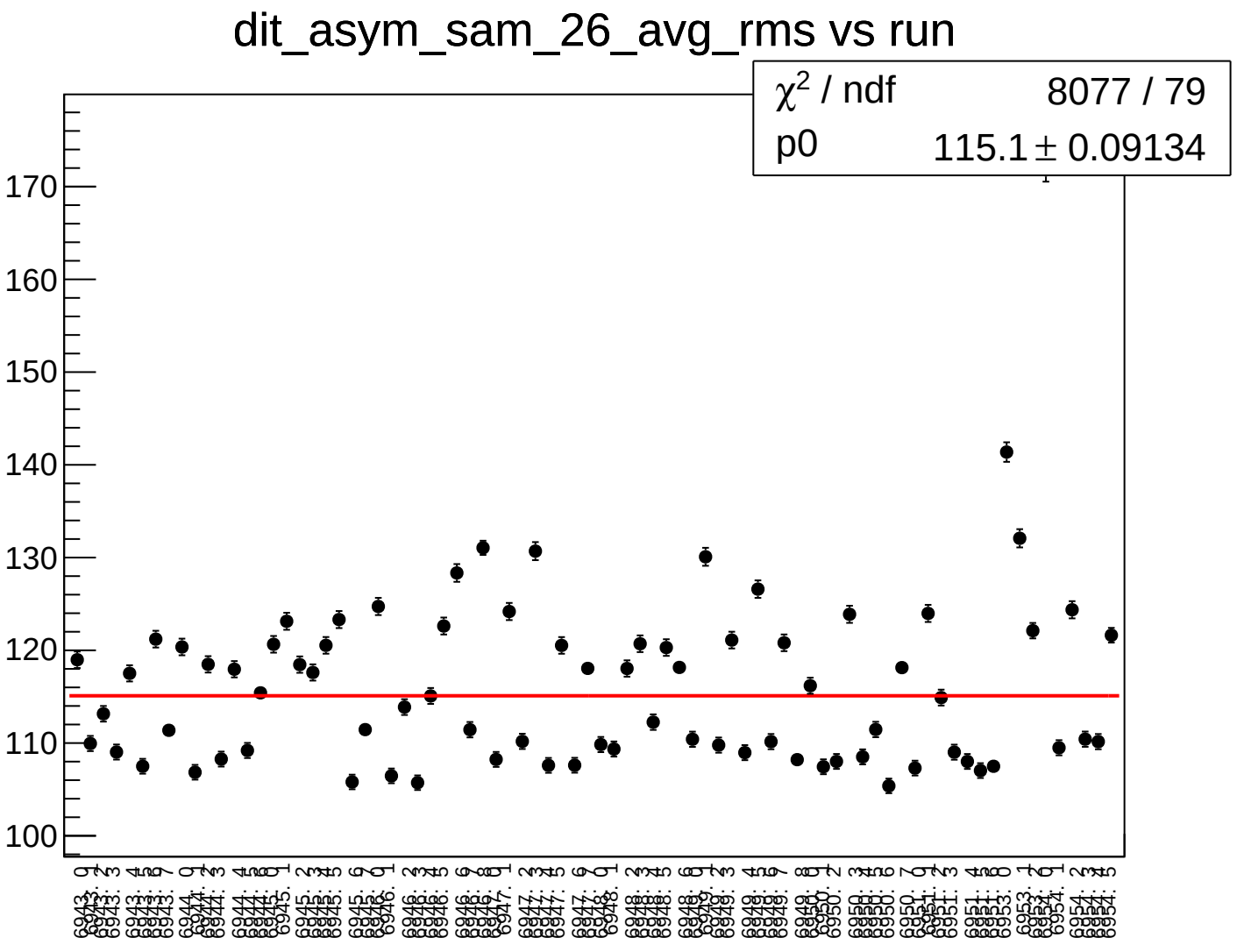

asym_sam_15_avg_mean vs run
χ² / ndf 73.48 / 79
p0 126 ± 369.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −558.6
Std Dev 595.9
2
1
0
−1
−2

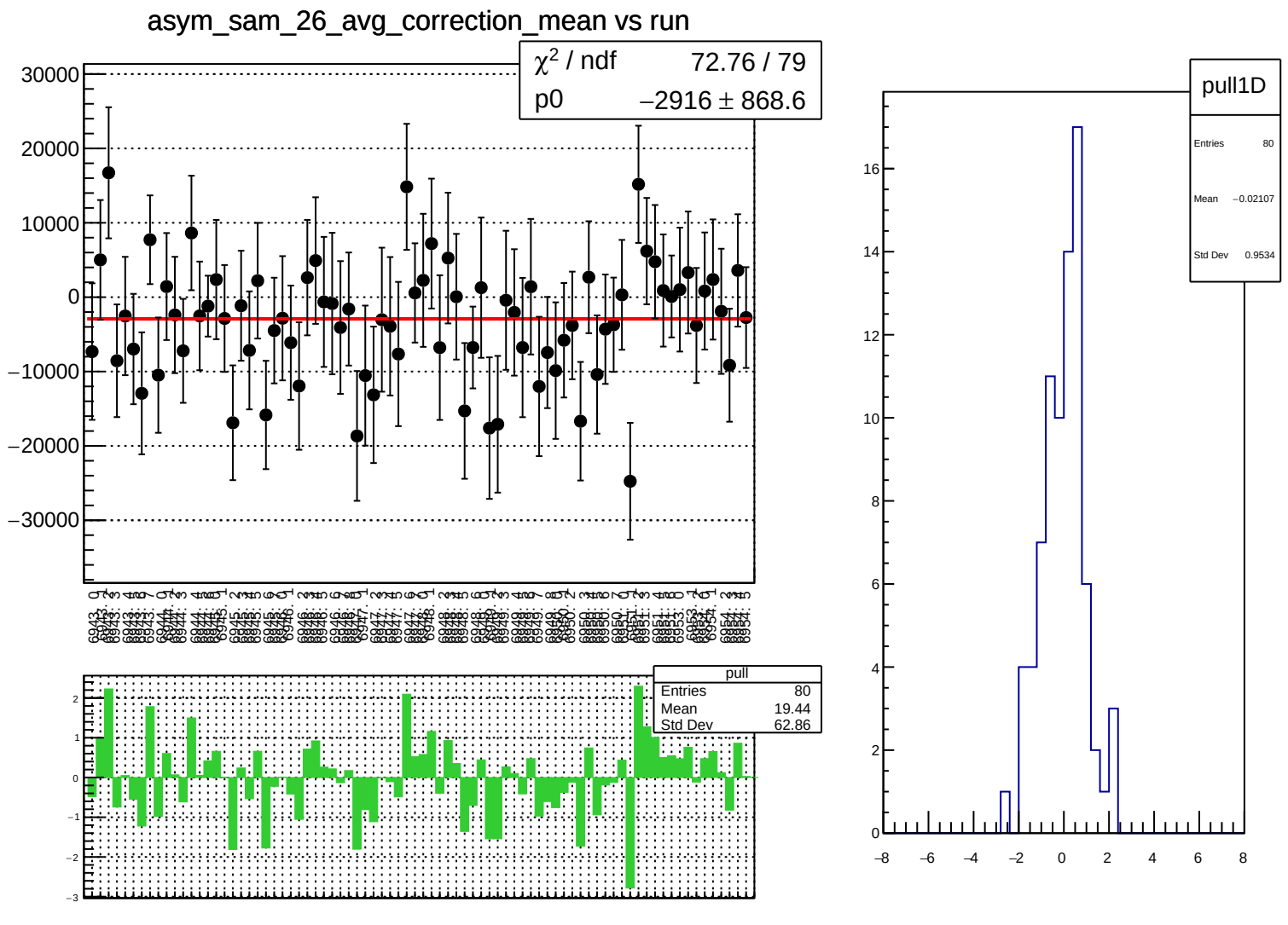

pull1D
Entries 80
Mean −0.004671
Std Dev 0.9584
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

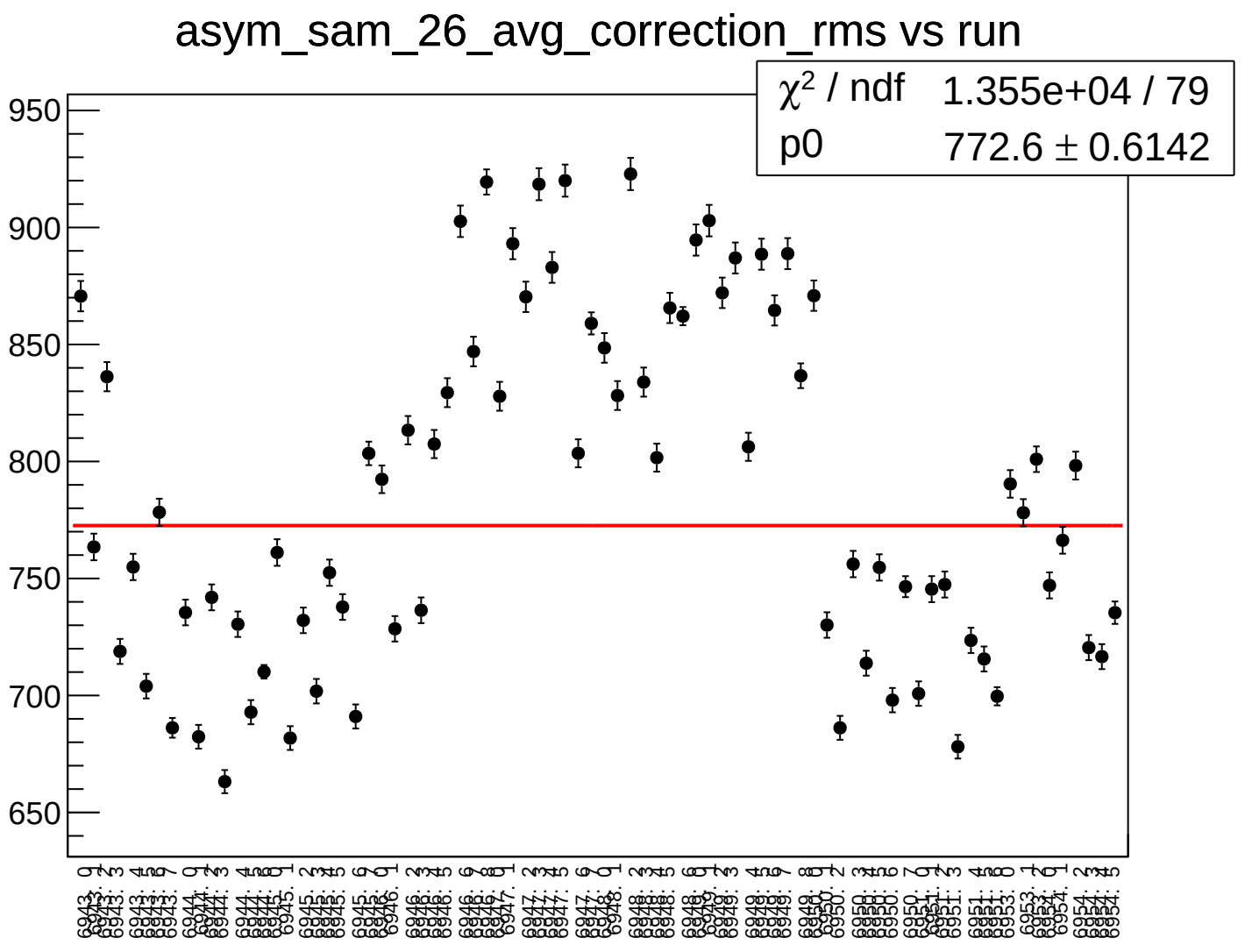

asym_sam_15_avg_rms vs run
χ² / ndf 4368 / 79
p0 329.8 ± 0.2614
380
360
340
320
300
280

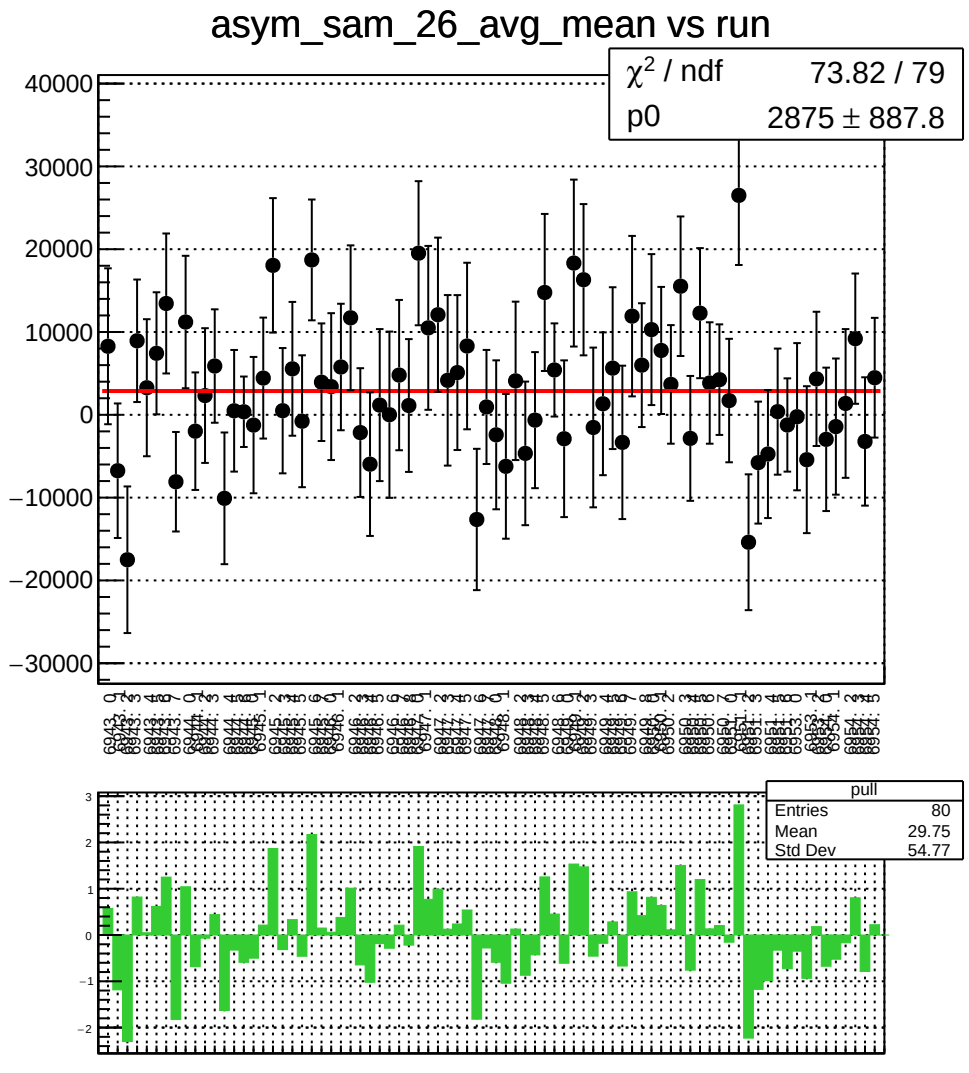

dit_asym_sam_26_avg_mean vs run
χ² / ndf 80.57 / 79
p0 −34.05 ± 129.2
pull
Entries 80
Mean 96.32
Std Dev 41.84

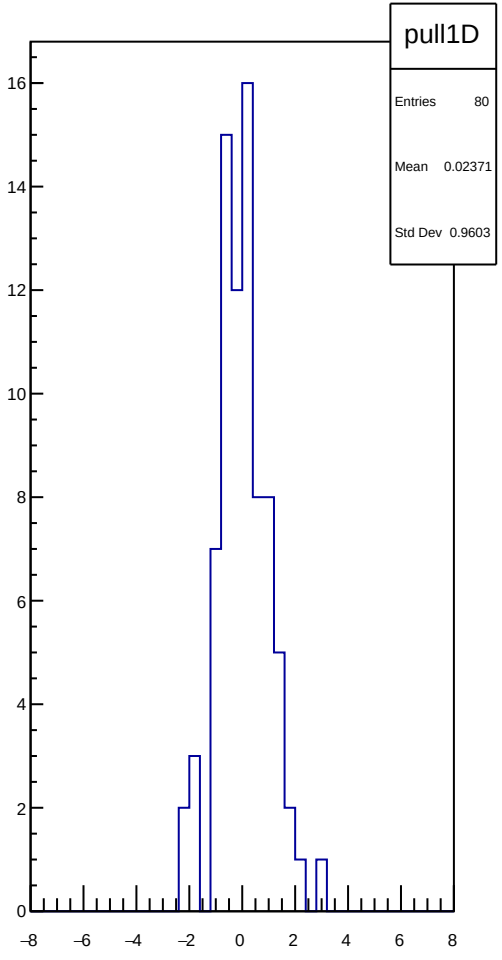

pull1D
Entries 80
Mean 0.02068
Std Dev 1.003

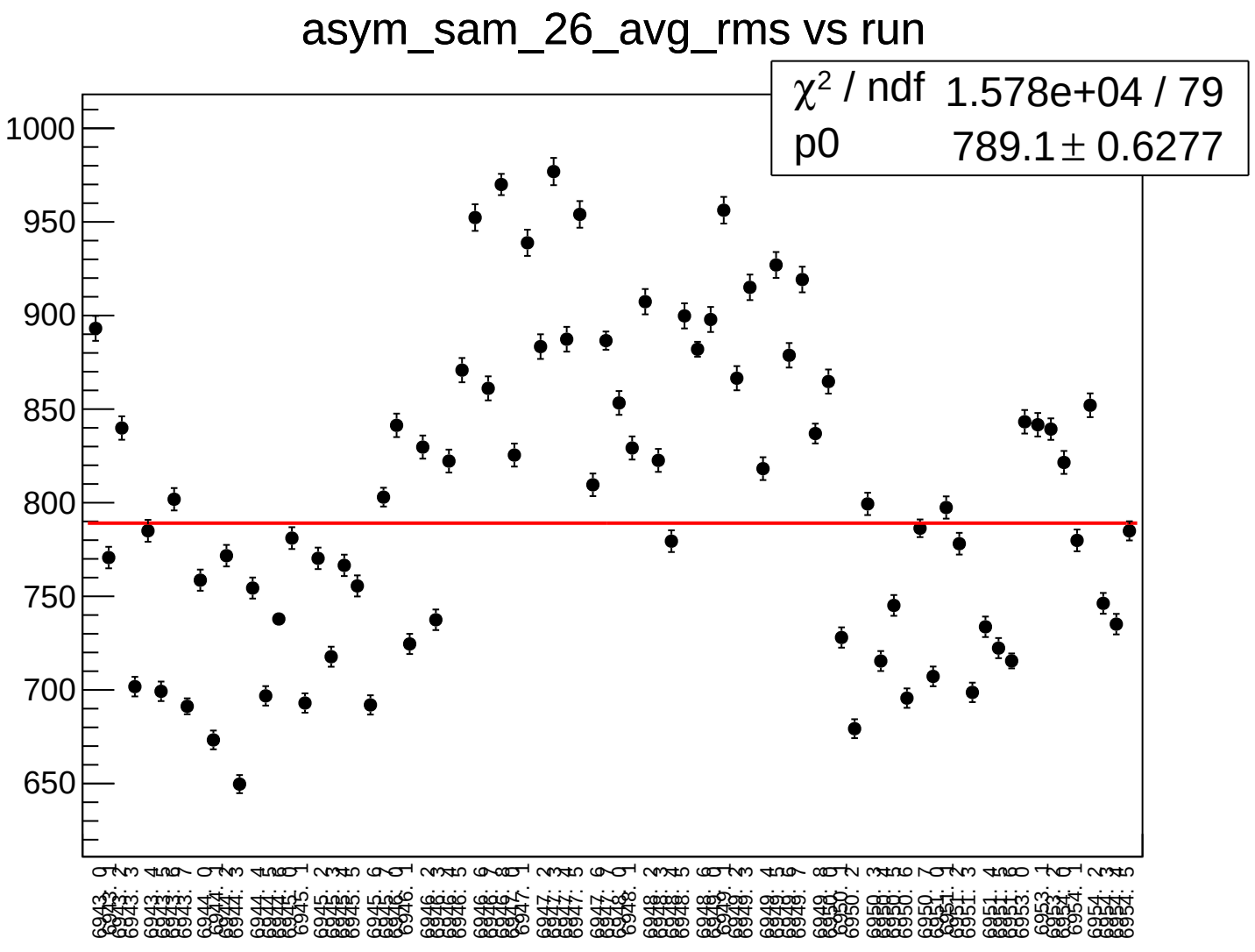

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 8077 / 79
p0 115.1 ± 0.09134
170
160
150
140
130
120
110
100

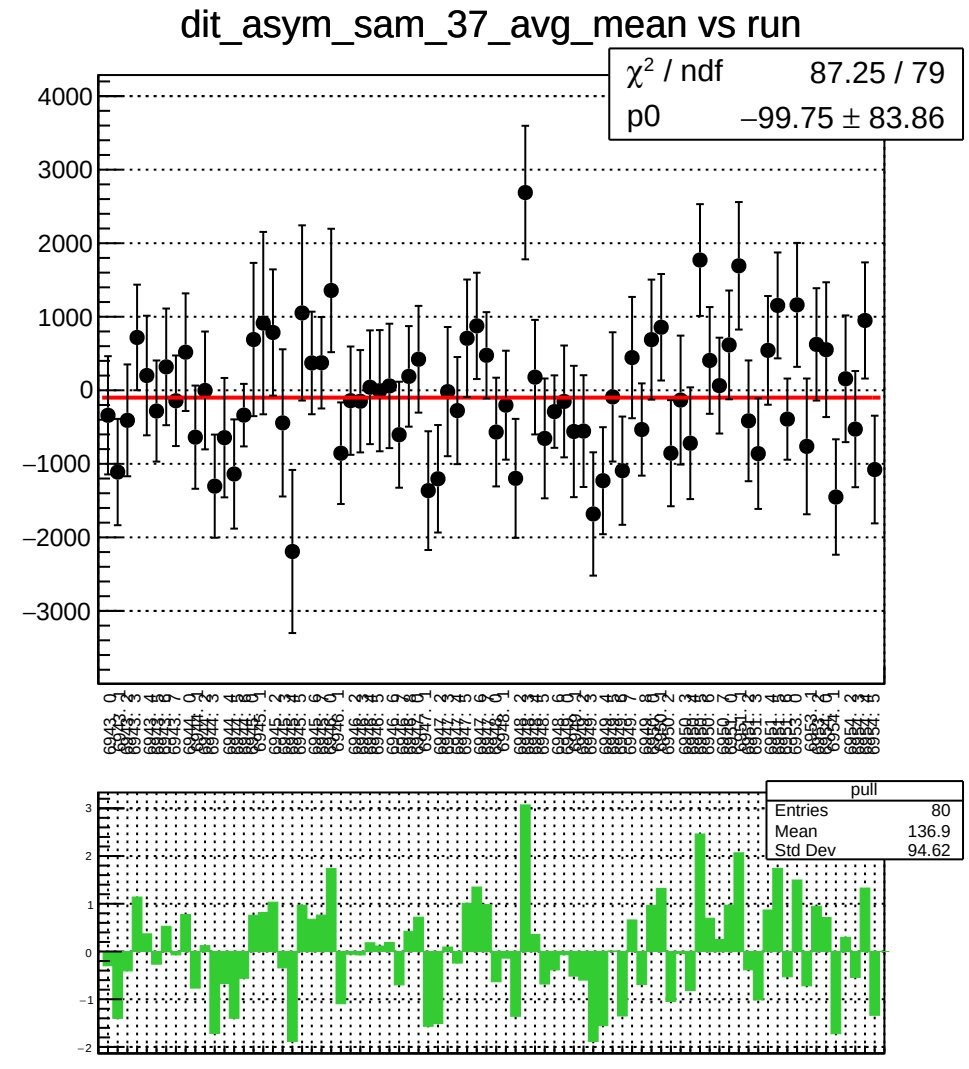

asym_sam_26_avg_correction_mean vs run
χ² / ndf 72.76 / 79
p0 −2916 ± 868.6
pull
Entries 80
Mean 19.44
Std Dev 62.86
pull1D
Entries 80
Mean −0.02107
Std Dev 0.9534

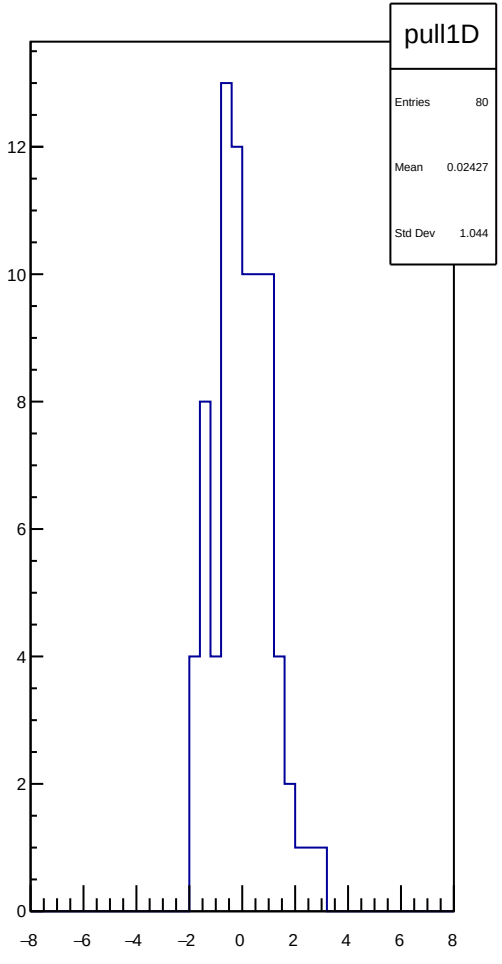

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1.355e+04 / 79
p0 772.6 ± 0.6142
950
900
850
800
750
700
650

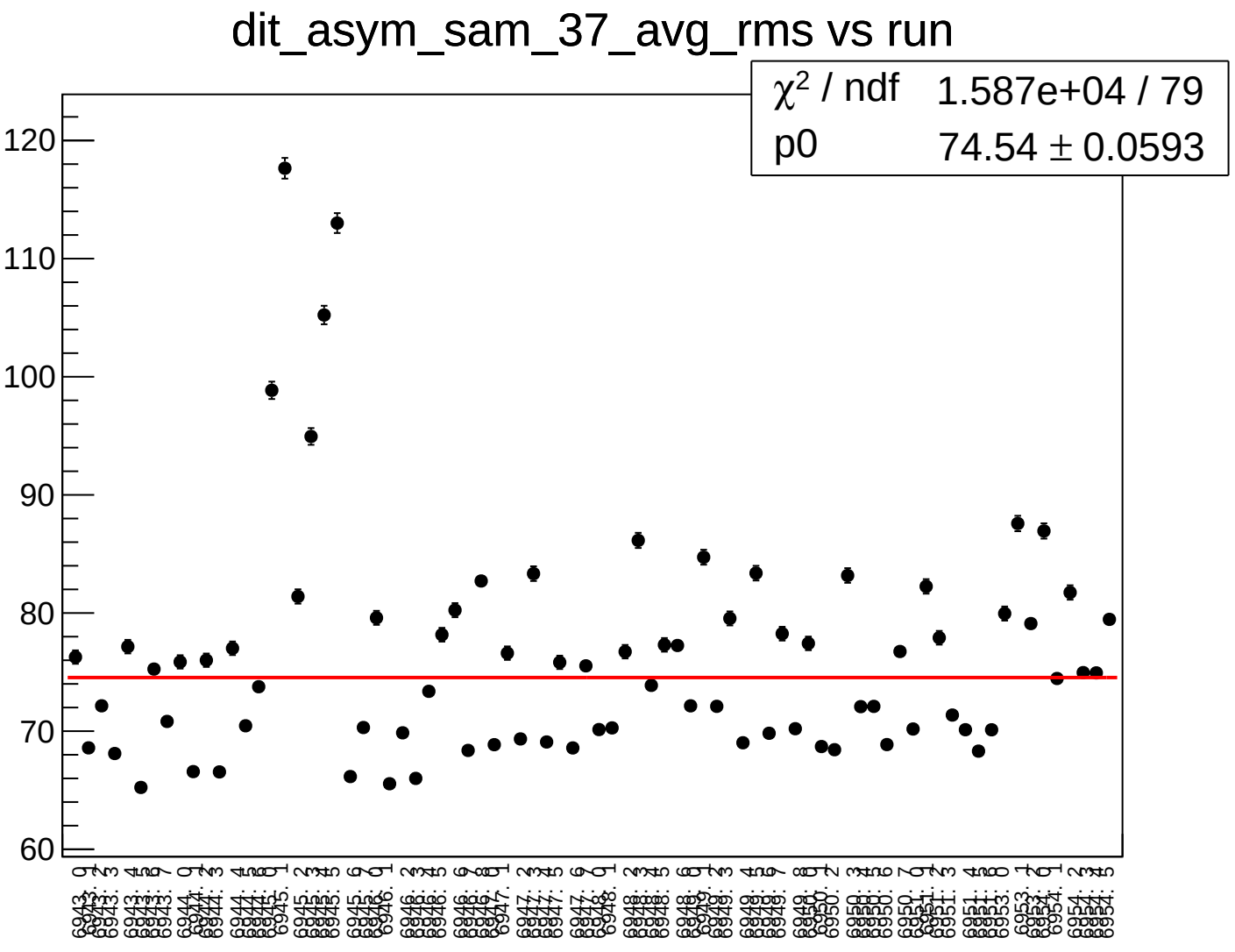

asym_sam_26_avg_mean vs run
χ² / ndf 73.82 / 79
p0 2875 ± 887.8
pull
Entries 80
Mean 29.75
Std Dev 54.77

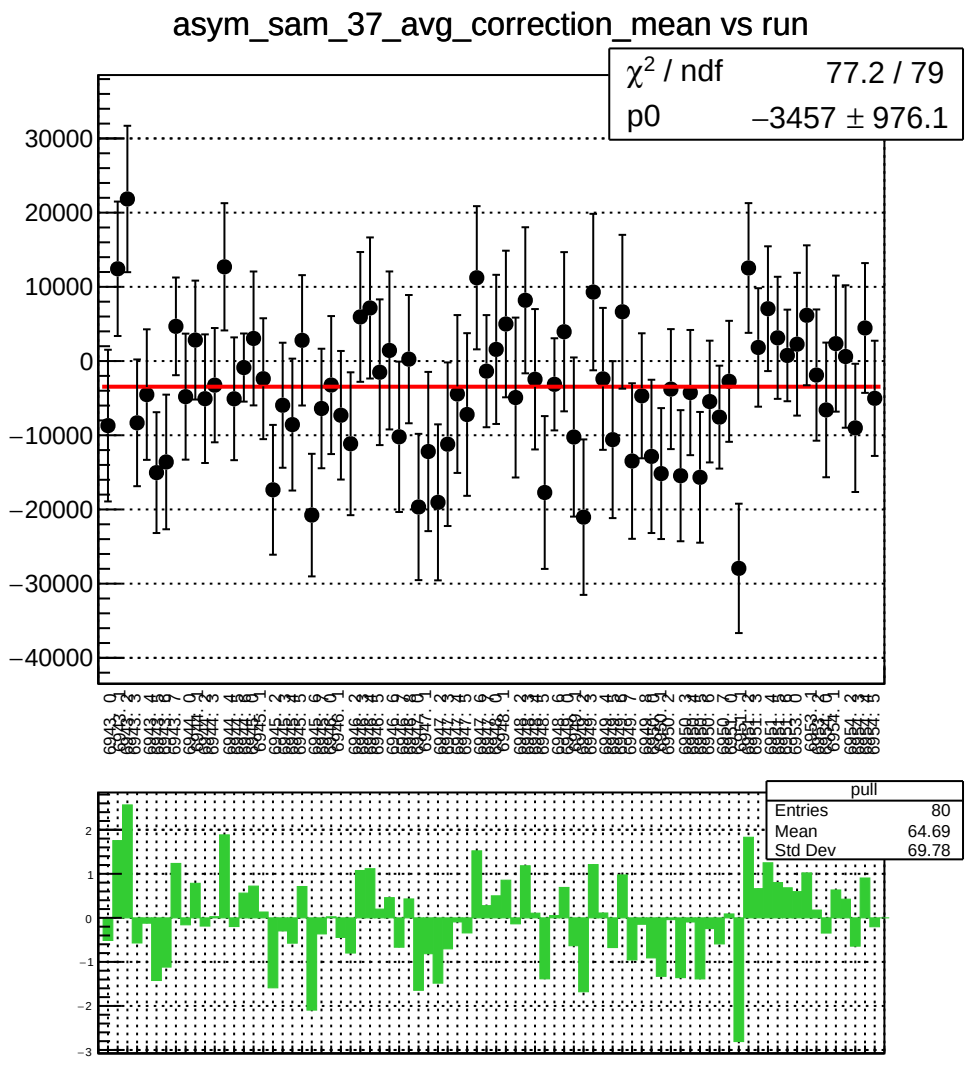

pull1D
Entries 80
Mean 0.02371
Std Dev 0.9603

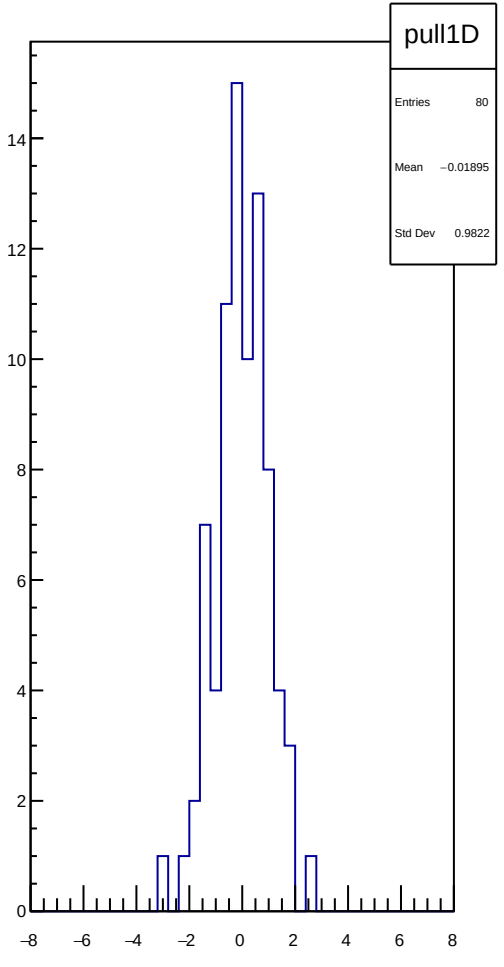

asym_sam_26_avg_rms vs run
χ² / ndf 1.578e+04 / 79
p0 789.1 ± 0.6277
1000
950
900
850
800
750
700
650

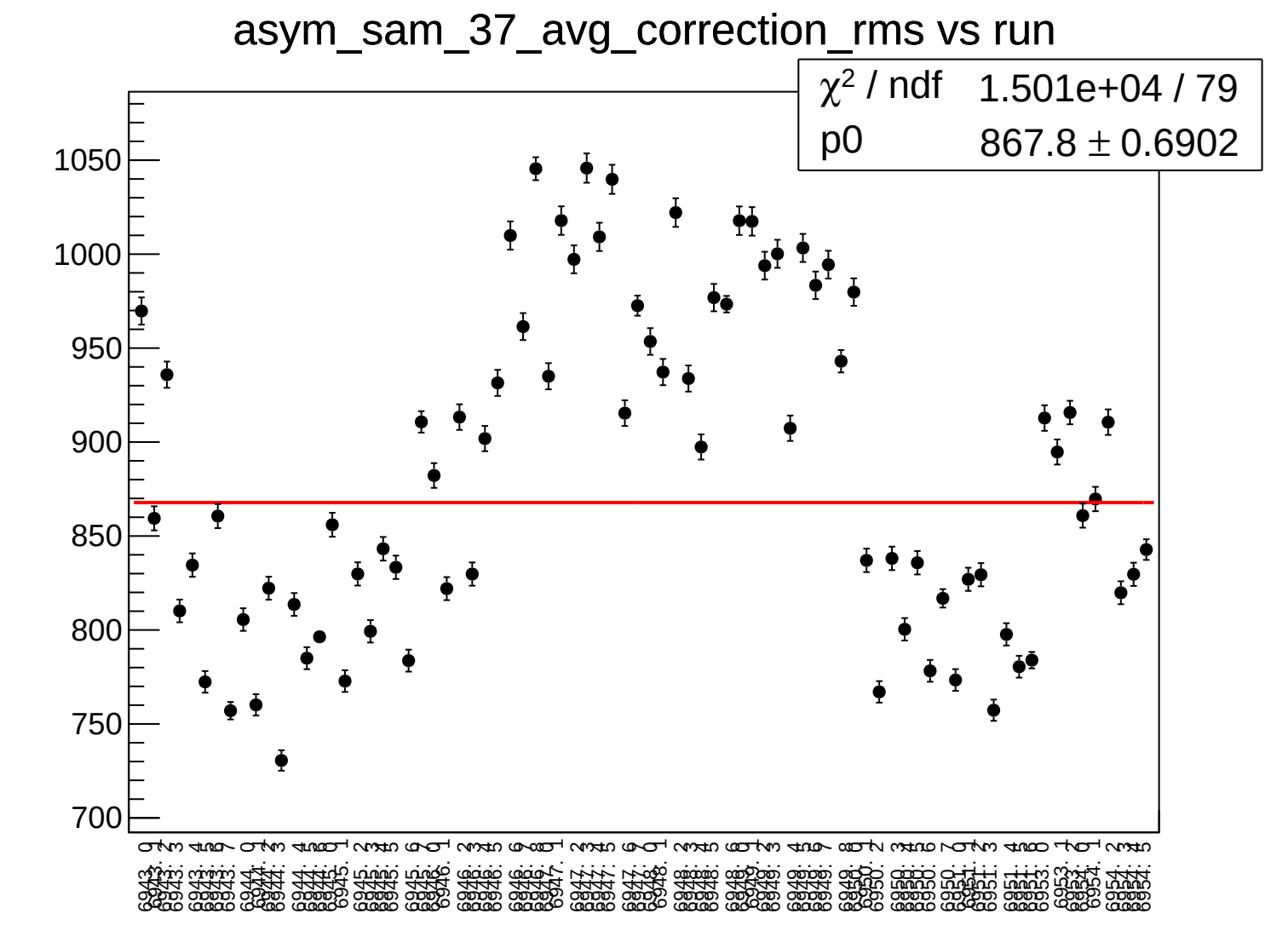

dit_asym_sam_37_avg_mean vs run
χ² / ndf 87.25 / 79
p0 −99.75 ± 83.86
pull
Entries 80
Mean 136.9
Std Dev 94.62

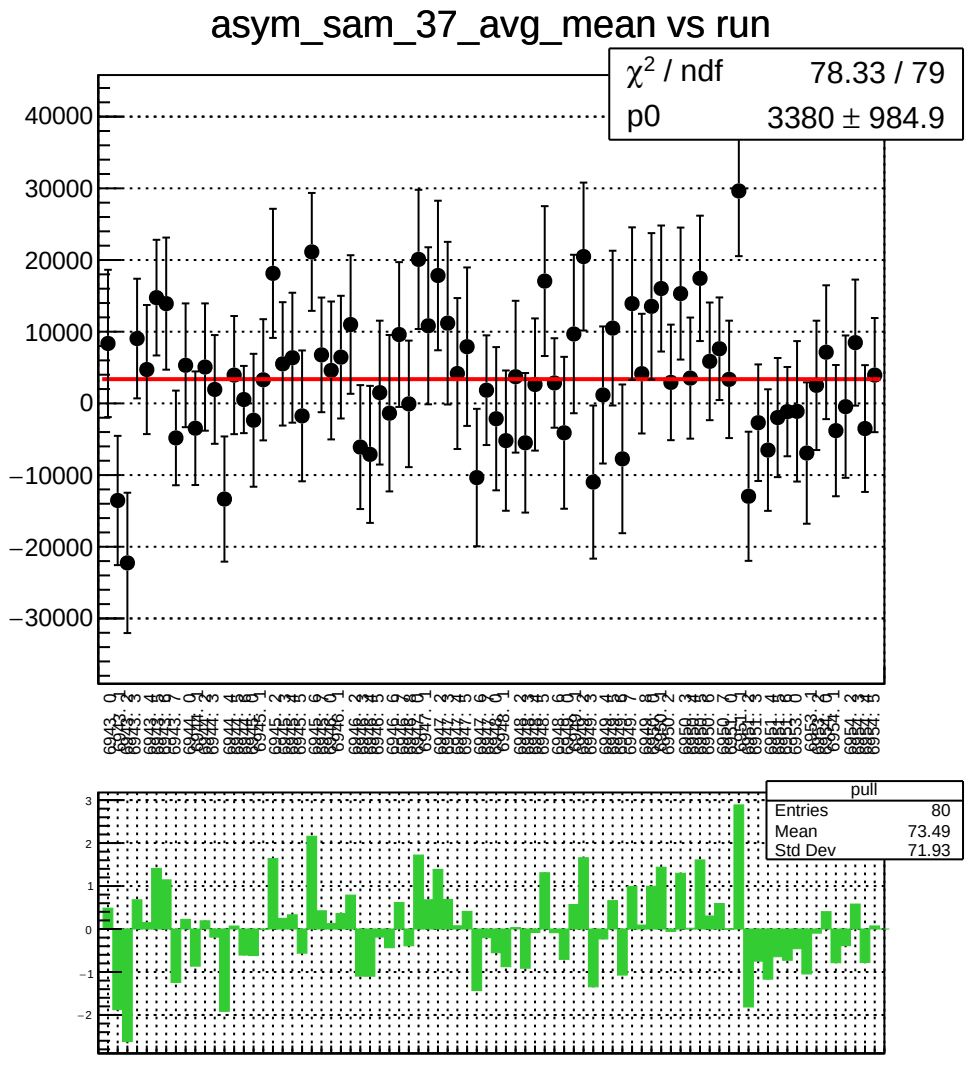

pull1D
Entries 80
Mean 0.02427
Std Dev 1.044

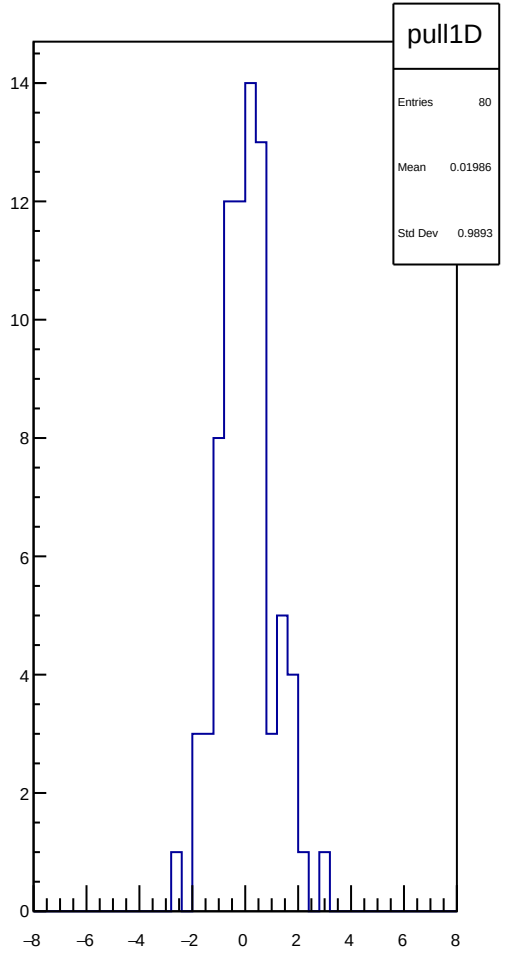

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.587e+04 / 79
p0 74.54 ± 0.0593
120
110
100
90
80
70
60

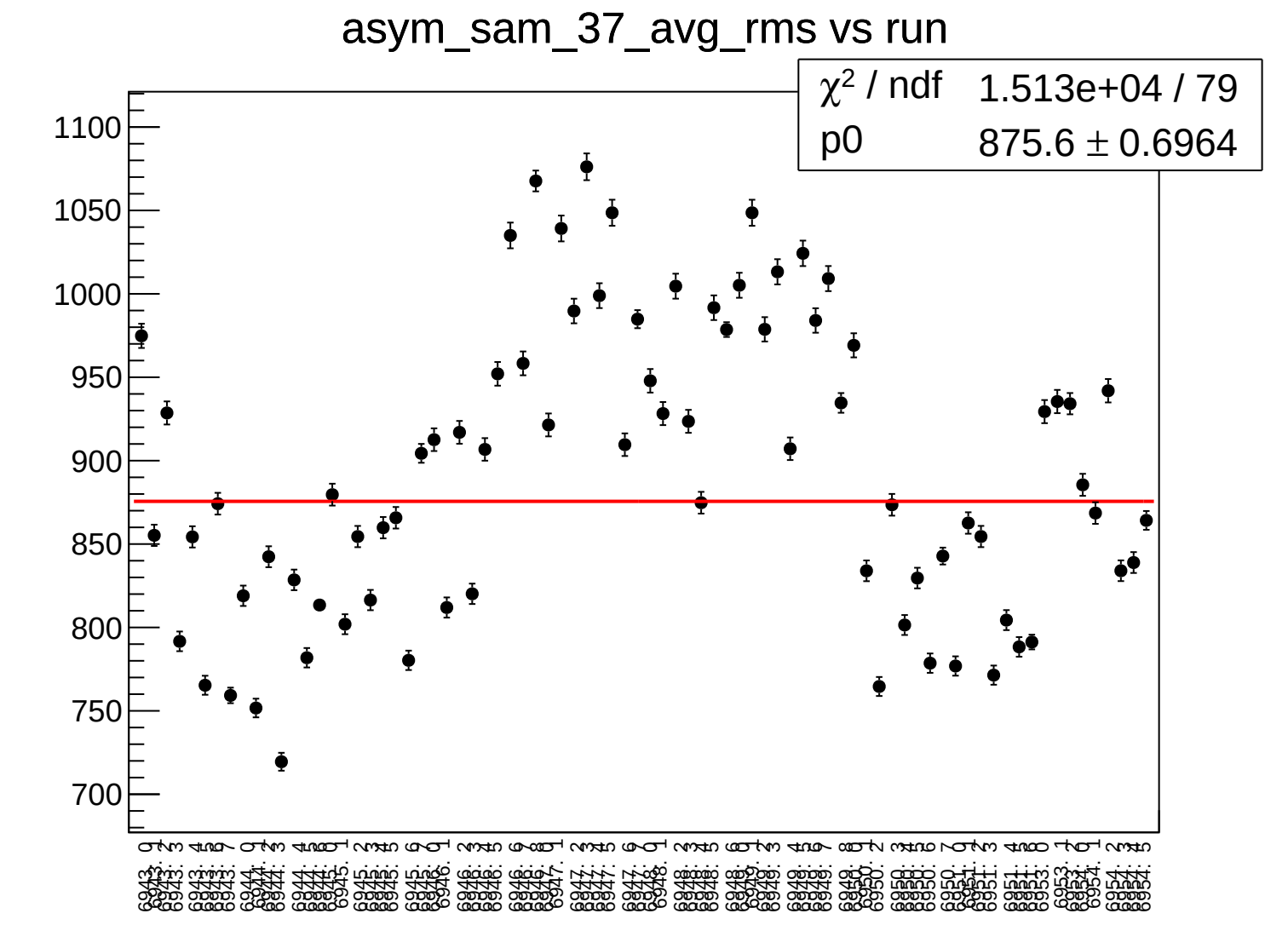

asym_sam_37_avg_correction_mean vs run
χ² / ndf 77.2 / 79
p0 −3457 ± 976.1
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean 64.69
Std Dev 69.78
2
1
0
−1
−2
−3

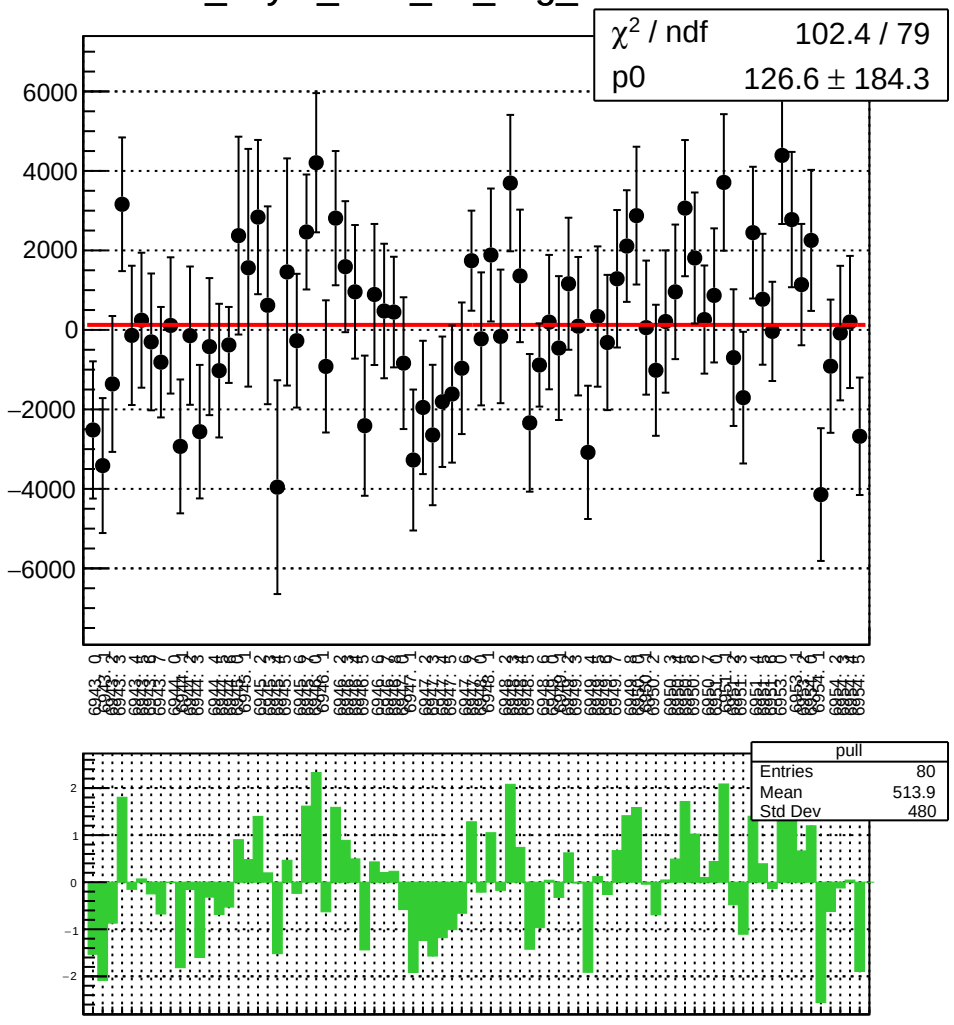

pull1D
Entries 80
Mean −0.01895
Std Dev 0.9822
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

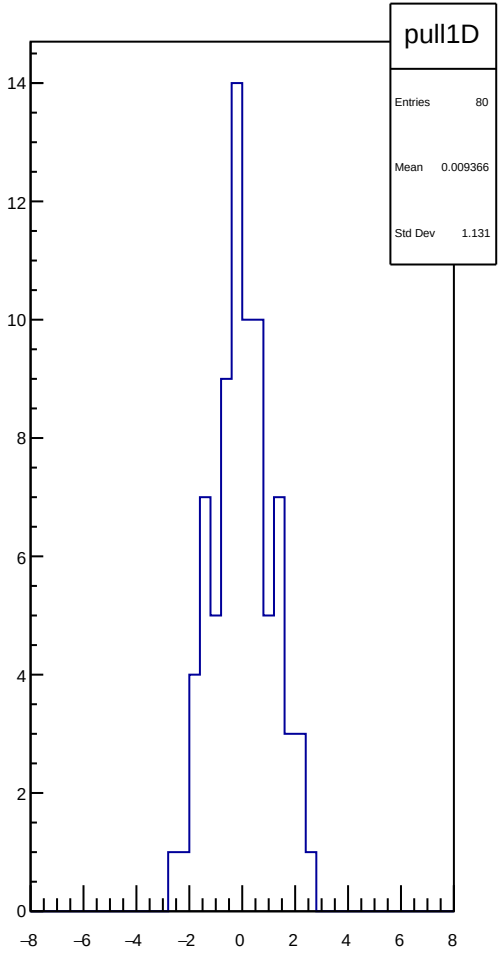

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.501e+04 / 79
p0 867.8 ± 0.6902
1050
1000
950
900
850
800
750
700

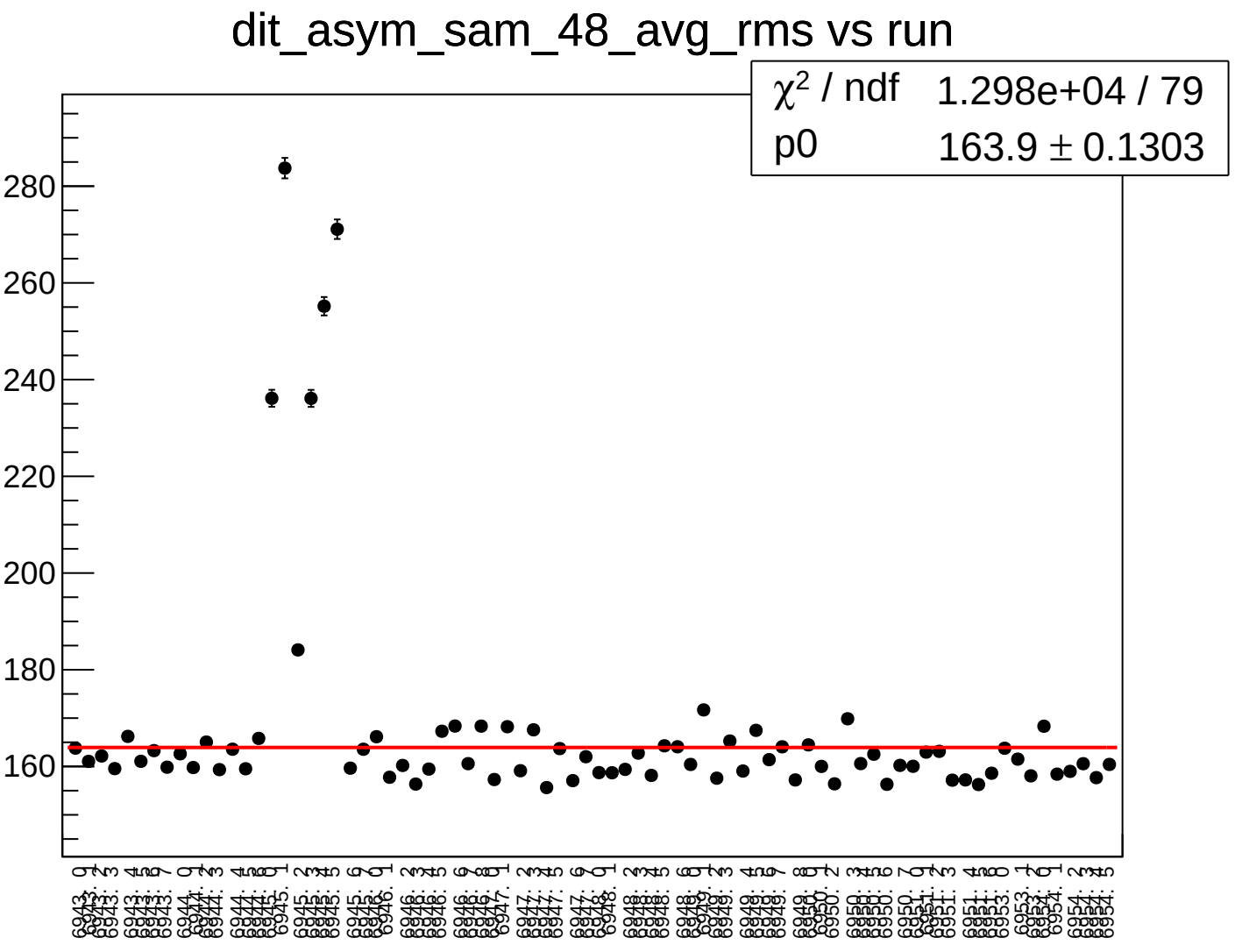

asym_sam_37_avg_mean vs run
χ² / ndf 78.33 / 79
p0 3380 ± 984.9
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 73.49
Std Dev 71.93
3
2
1
0
−1
−2

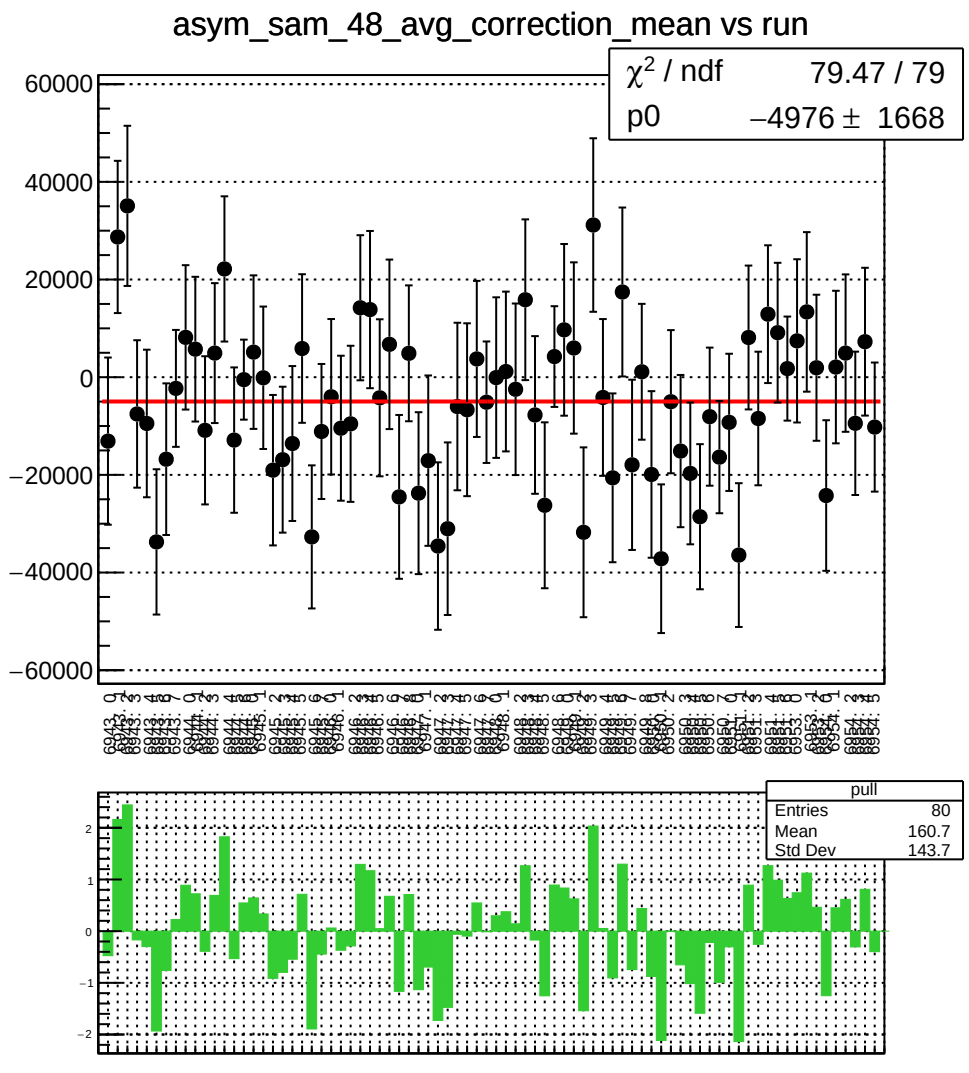

pull1D
Entries 80
Mean 0.01986
Std Dev 0.9893
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

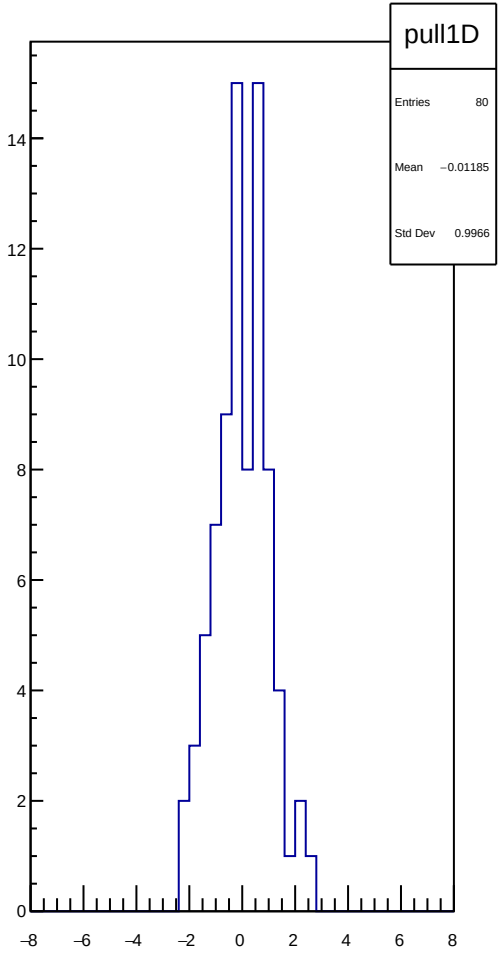

asym_sam_37_avg_rms vs run
χ² / ndf 1.513e+04 / 79
p0 875.6 ± 0.6964
1100
1050
1000
950
900
850
800
750
700

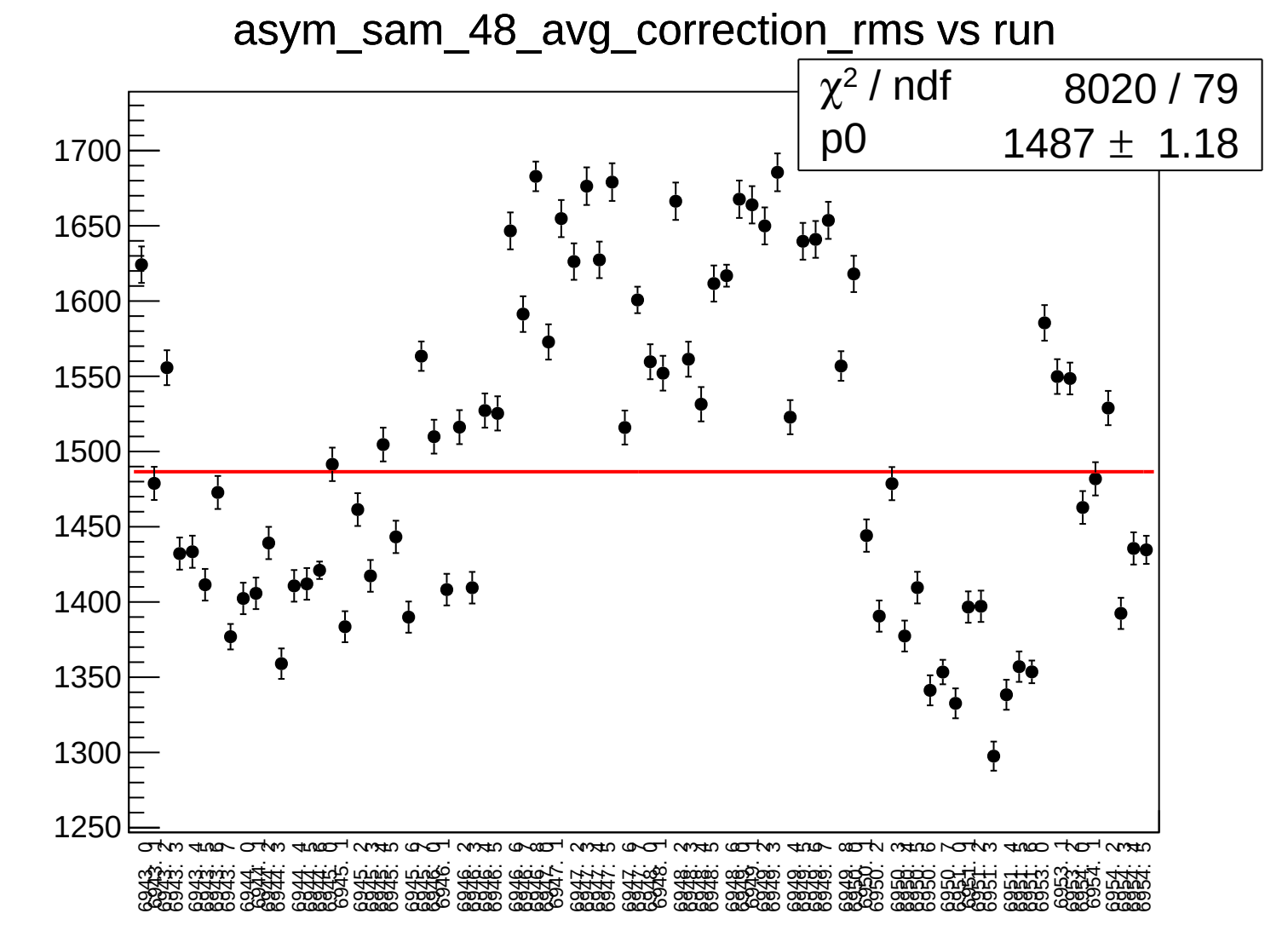

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 102.4 / 79
p0 126.6 ± 184.3
pull
Entries 80
Mean 513.9
Std Dev 480

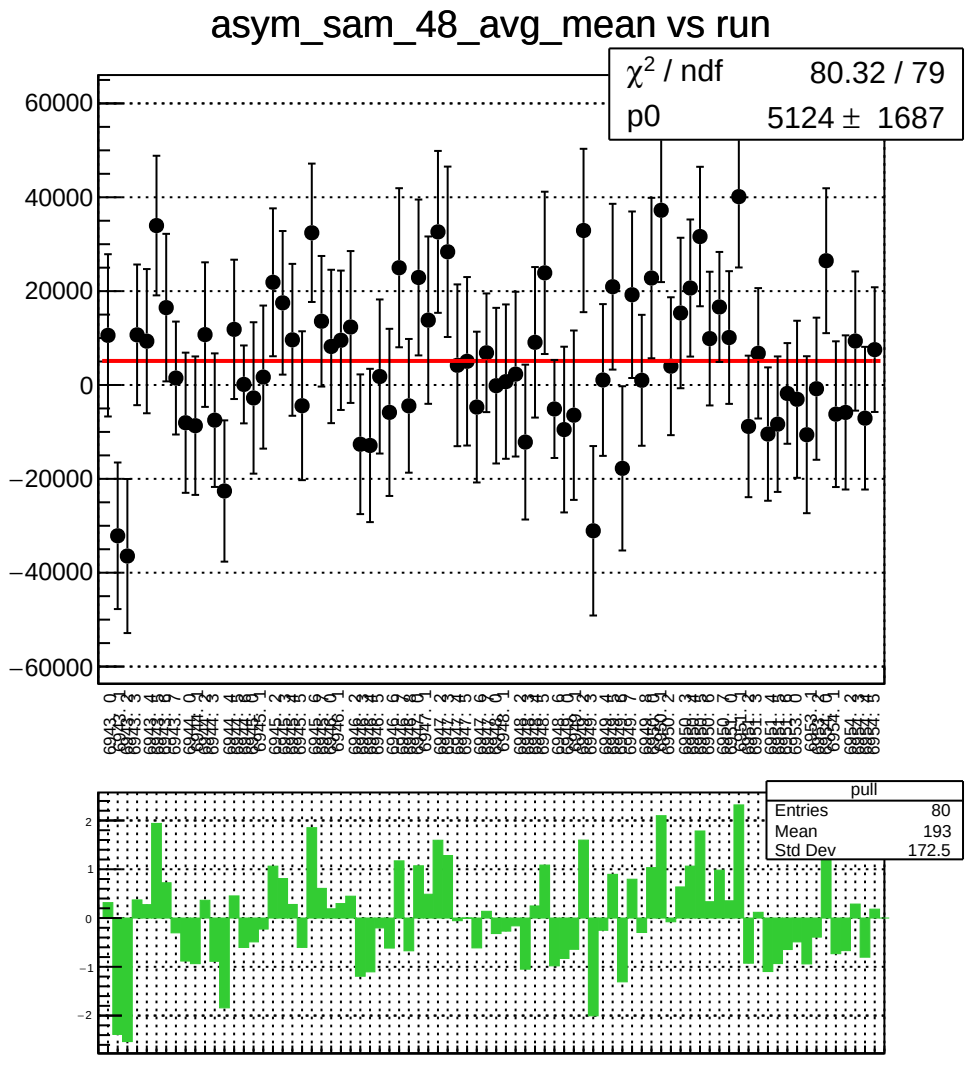

pull1D
Entries 80
Mean 0.009366
Std Dev 1.131

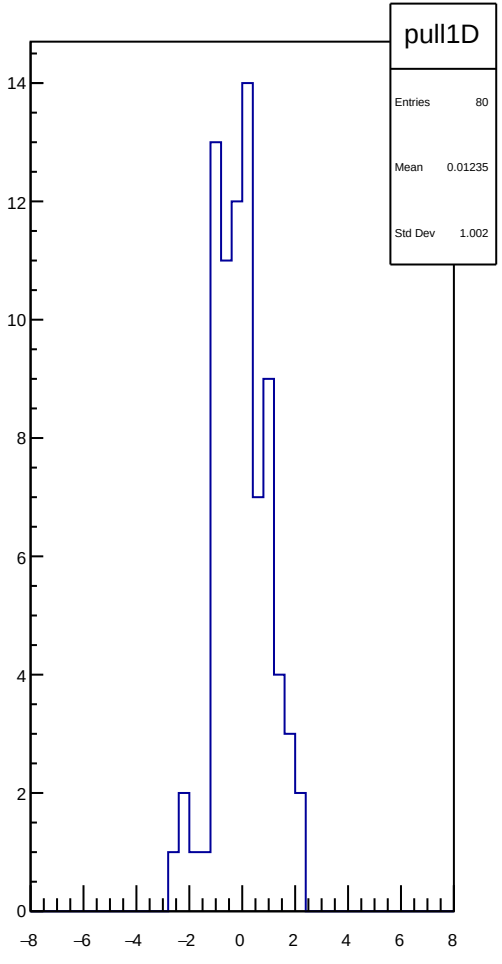

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.298e+04 / 79
p0 163.9 ± 0.1303
280
260
240
220
200
180
160


asym_sam_48_avg_correction_mean vs run
χ² / ndf 79.47 / 79
p0 −4976 ± 1668
pull
Entries 80
Mean 160.7
Std Dev 143.7

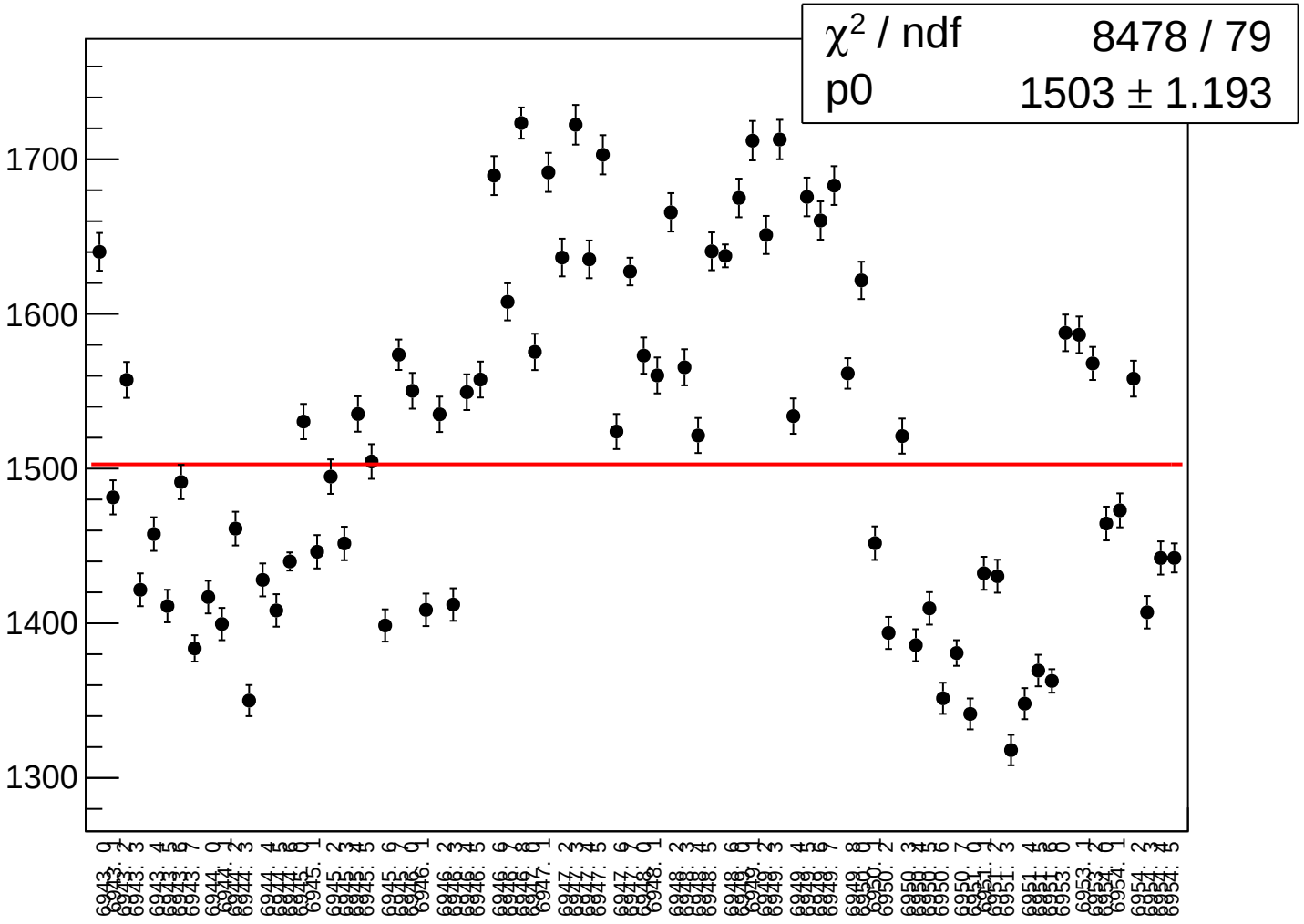

pull1D
Entries 80
Mean −0.01185
Std Dev 0.9966

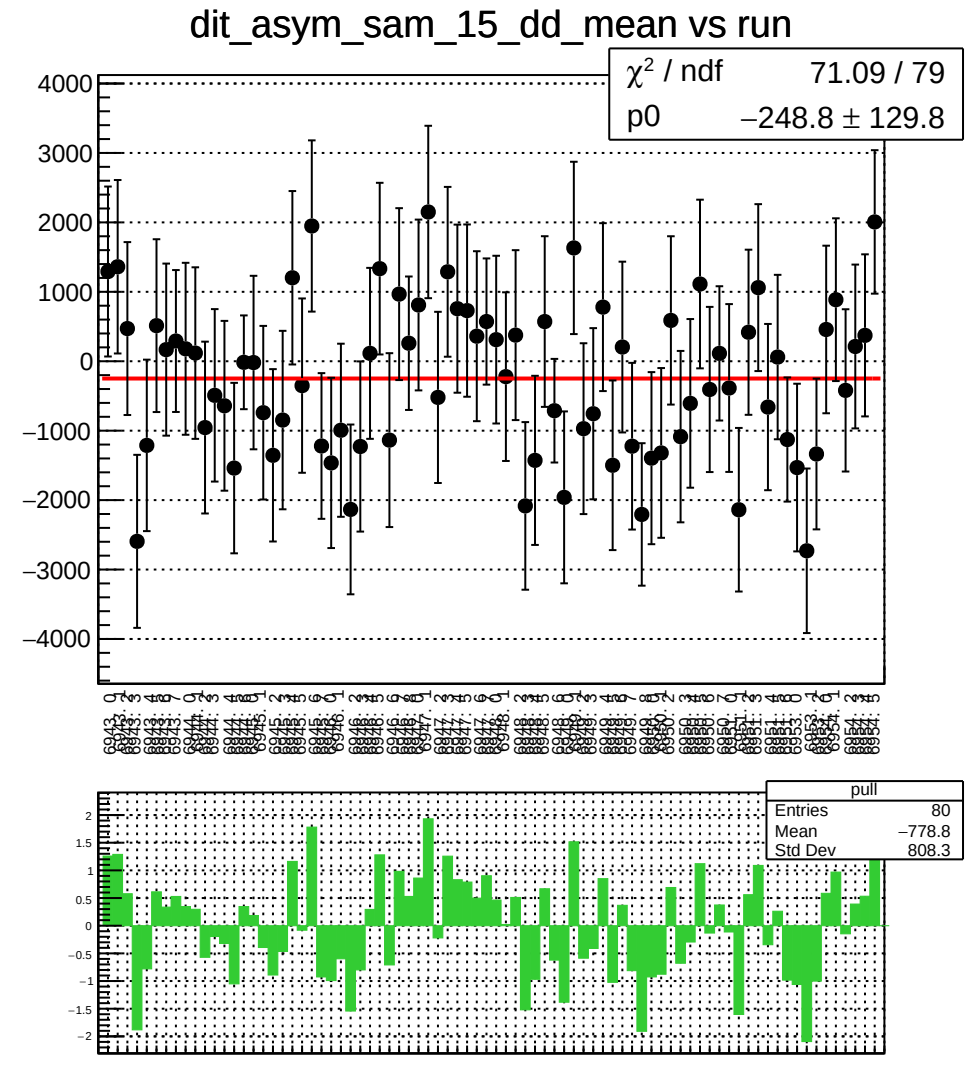

asym_sam_48_avg_correction_rms vs run
χ² / ndf 8020 / 79
p0 1487 ± 1.18
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250

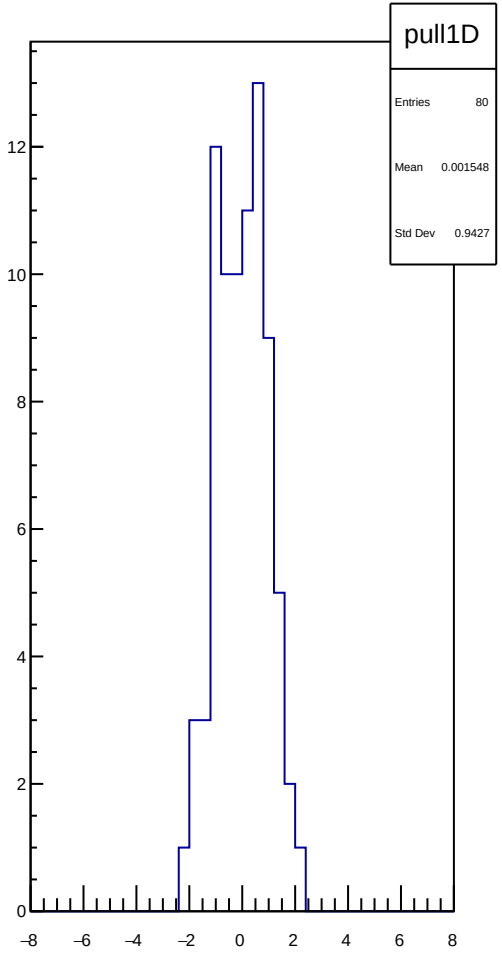

asym_sam_48_avg_mean vs run
χ² / ndf 80.32 / 79
p0 5124 ± 1687
pull
Entries 80
Mean 193
Std Dev 172.5

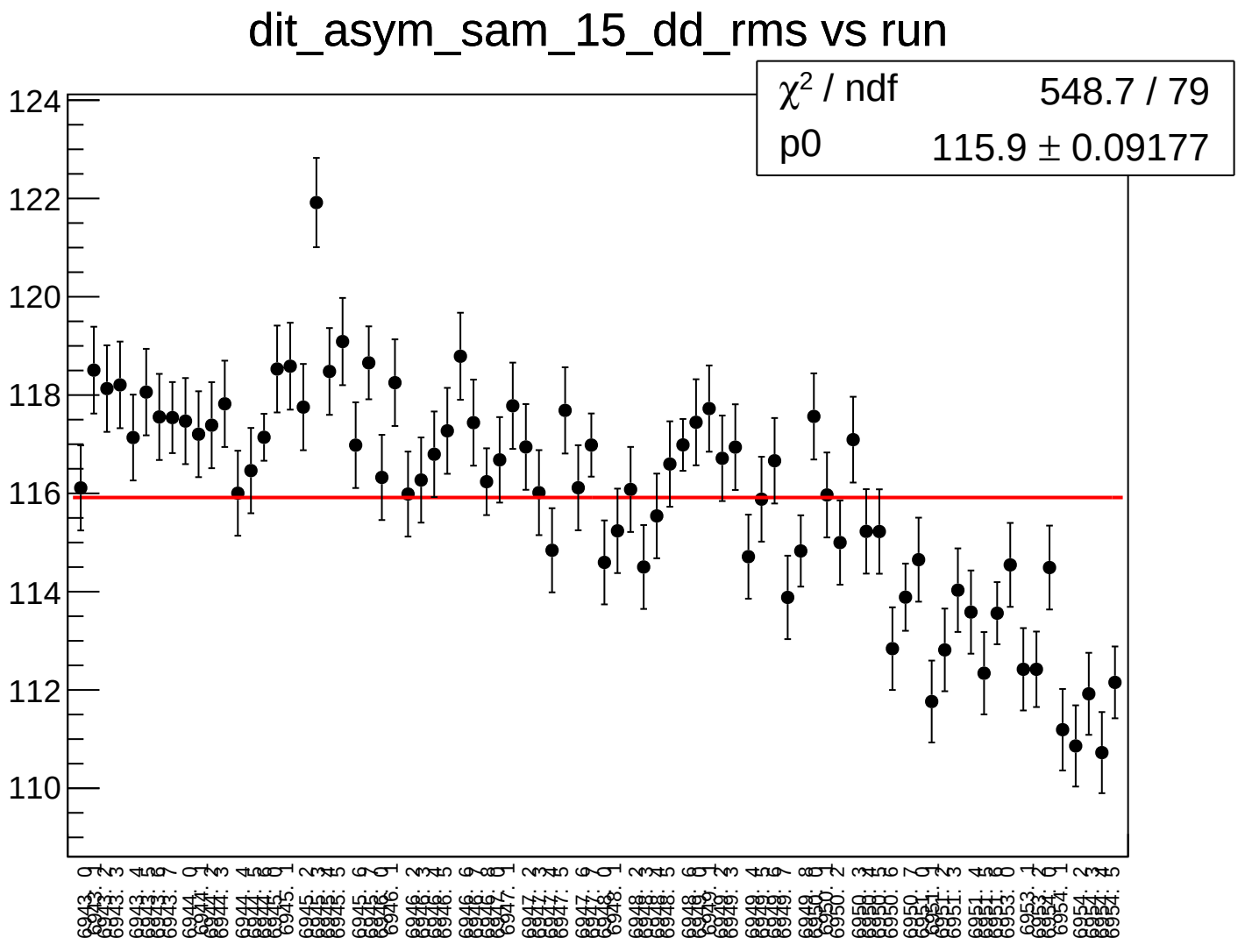

pull1D
Entries 80
Mean 0.01235
Std Dev 1.002

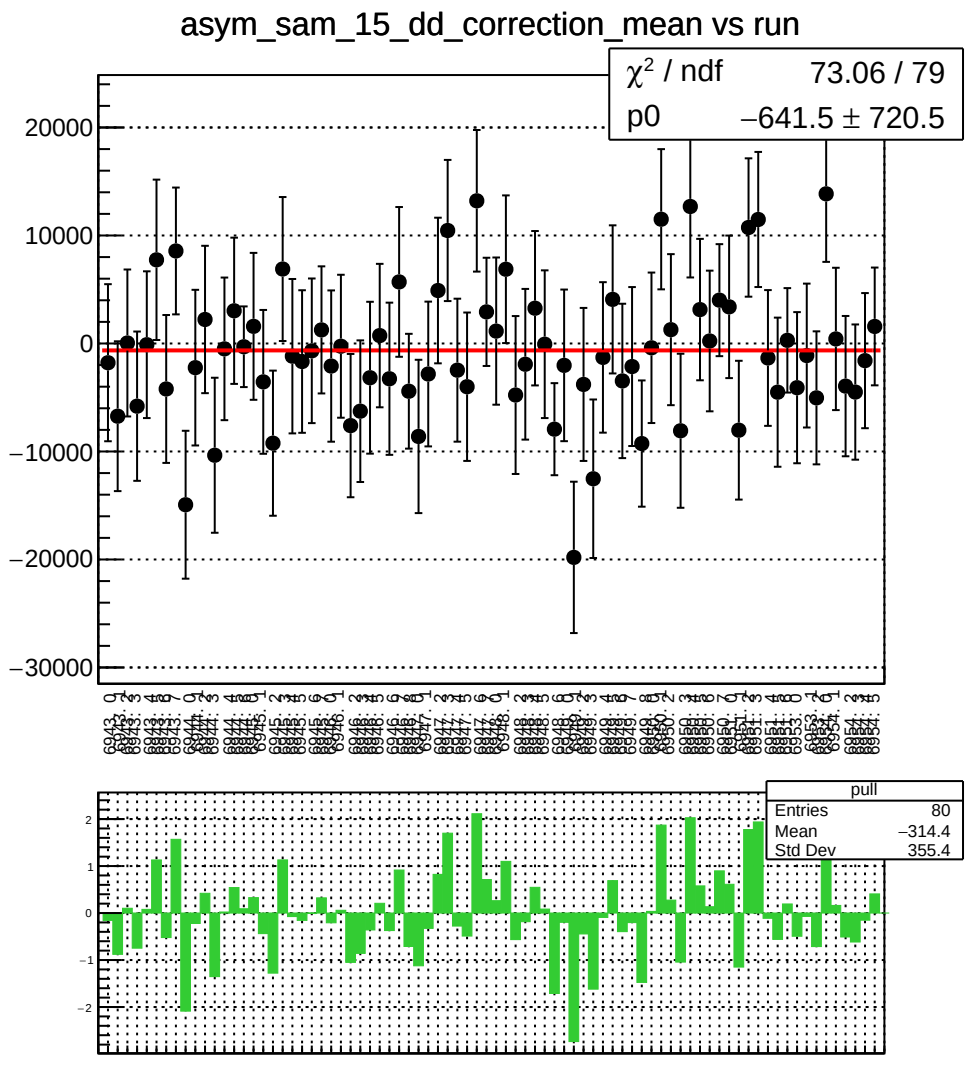
asym_sam_48_avg_rms vs run

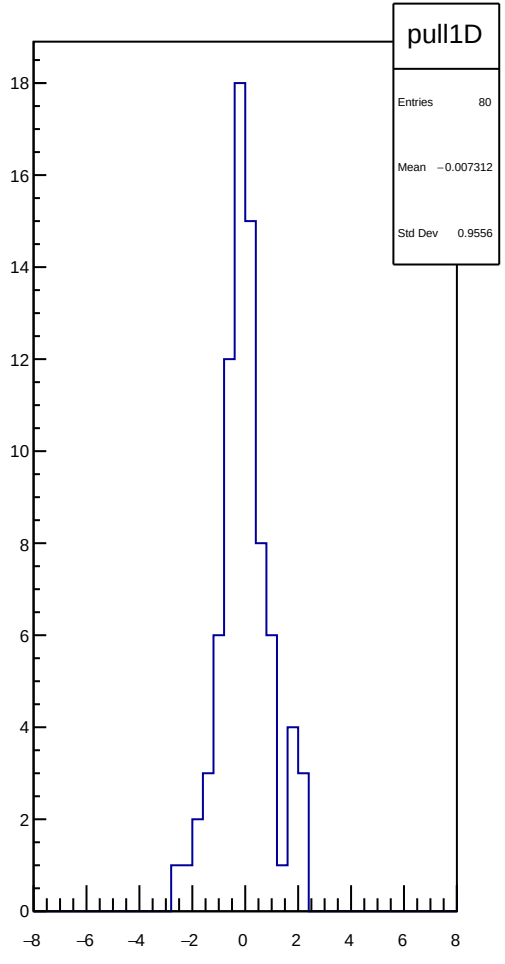


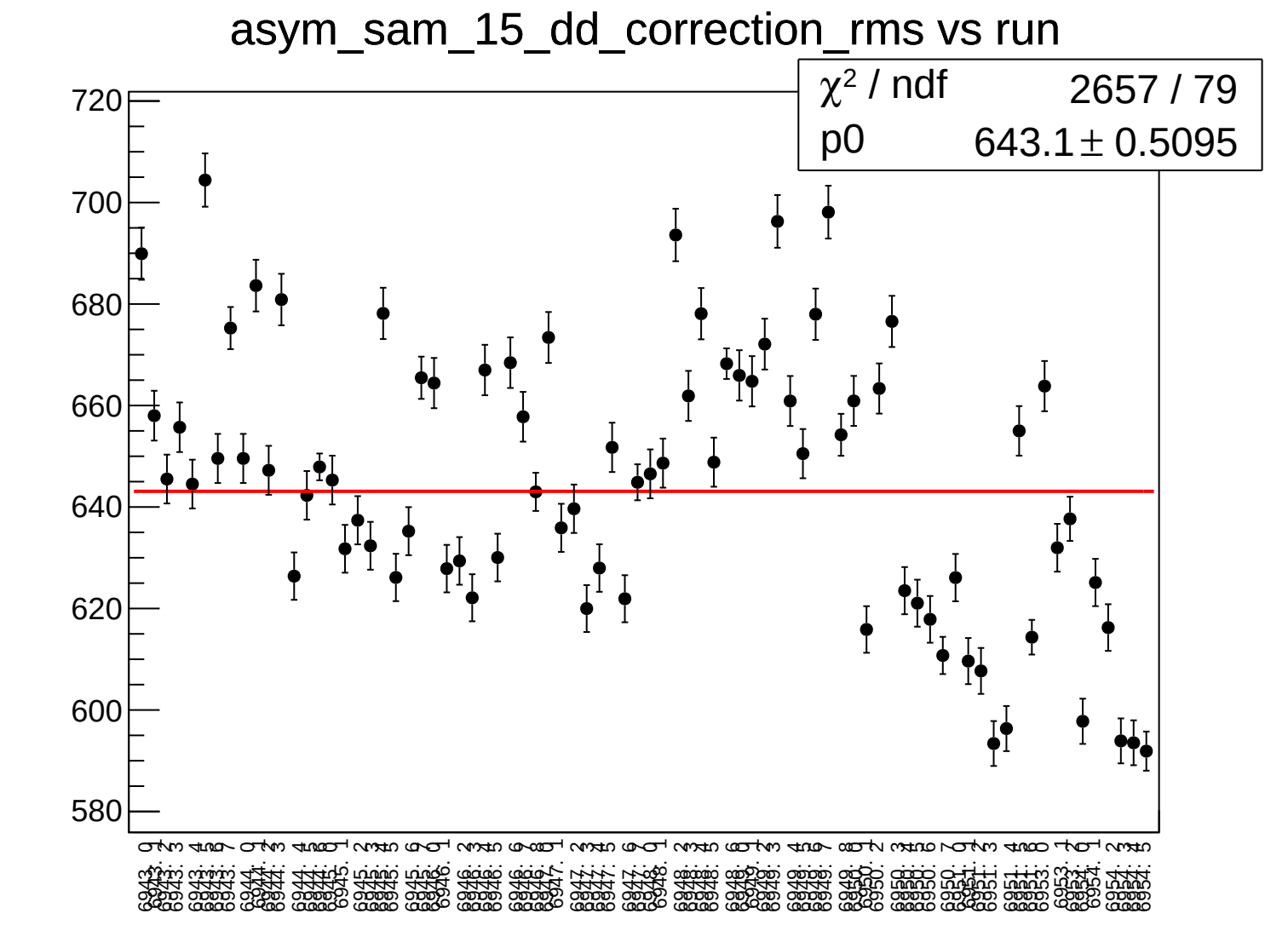

dit_asym_sam_15_dd_mean vs run
χ² / ndf 71.09 / 79
p0 −248.8 ± 129.8
pull
Entries 80
Mean −778.8
Std Dev 808.3

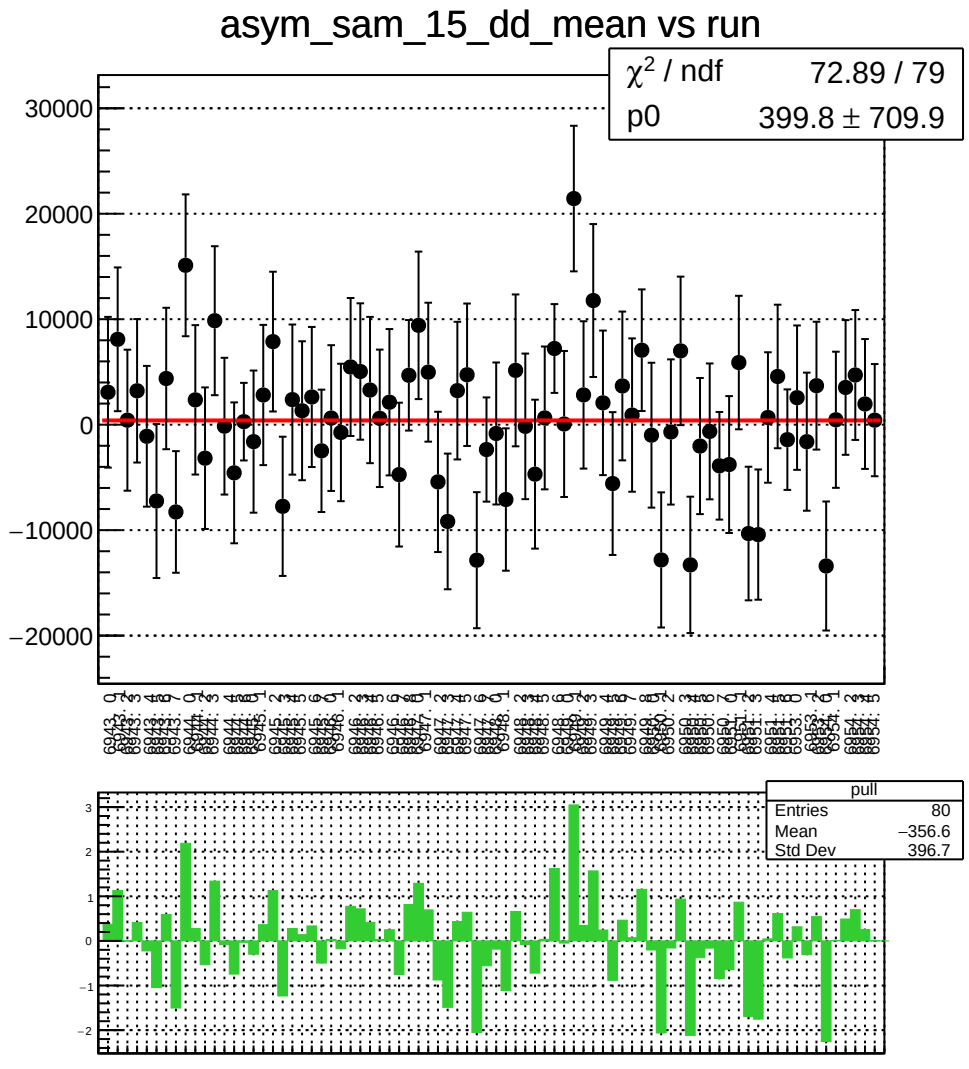

pull1D
Entries 80
Mean 0.001548
Std Dev 0.9427

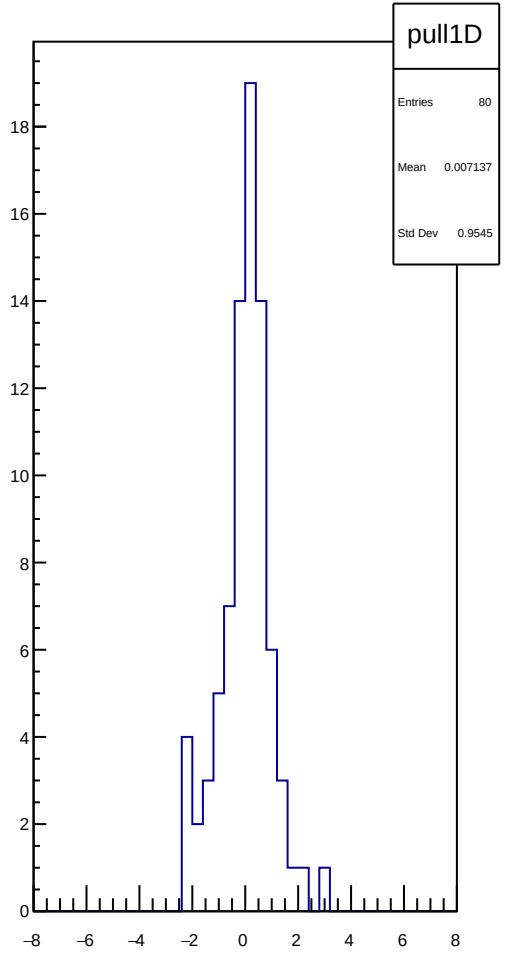

dit_asym_sam_15_dd_rms vs run
χ² / ndf 548.7 / 79
p0 115.9 ± 0.09177
124
122
120
118
116
114
112
110

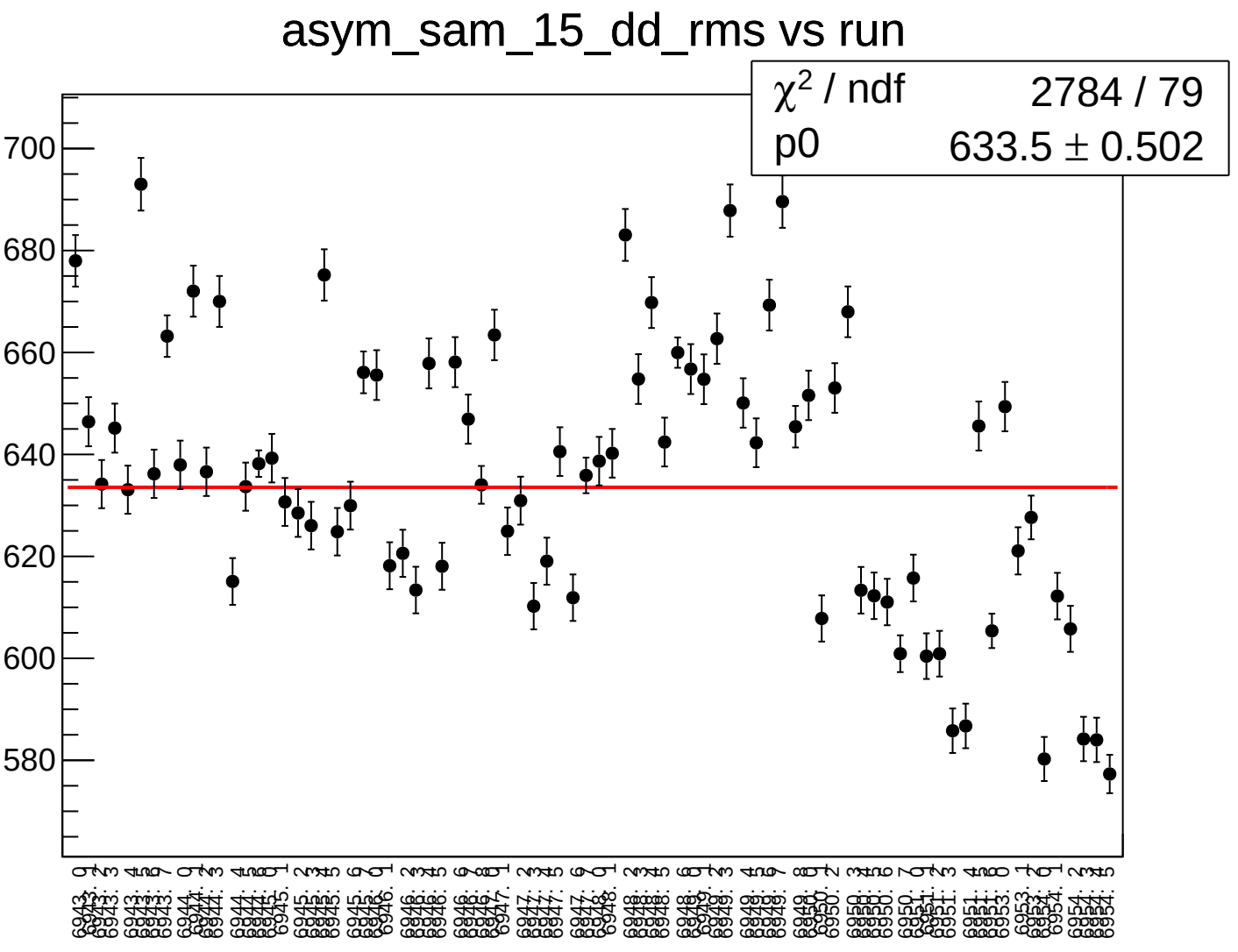

asym_sam_15_dd_correction_mean vs run
χ² / ndf 73.06 / 79
p0 −641.5 ± 720.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −314.4
Std Dev 355.4
2
1
0
−1
−2

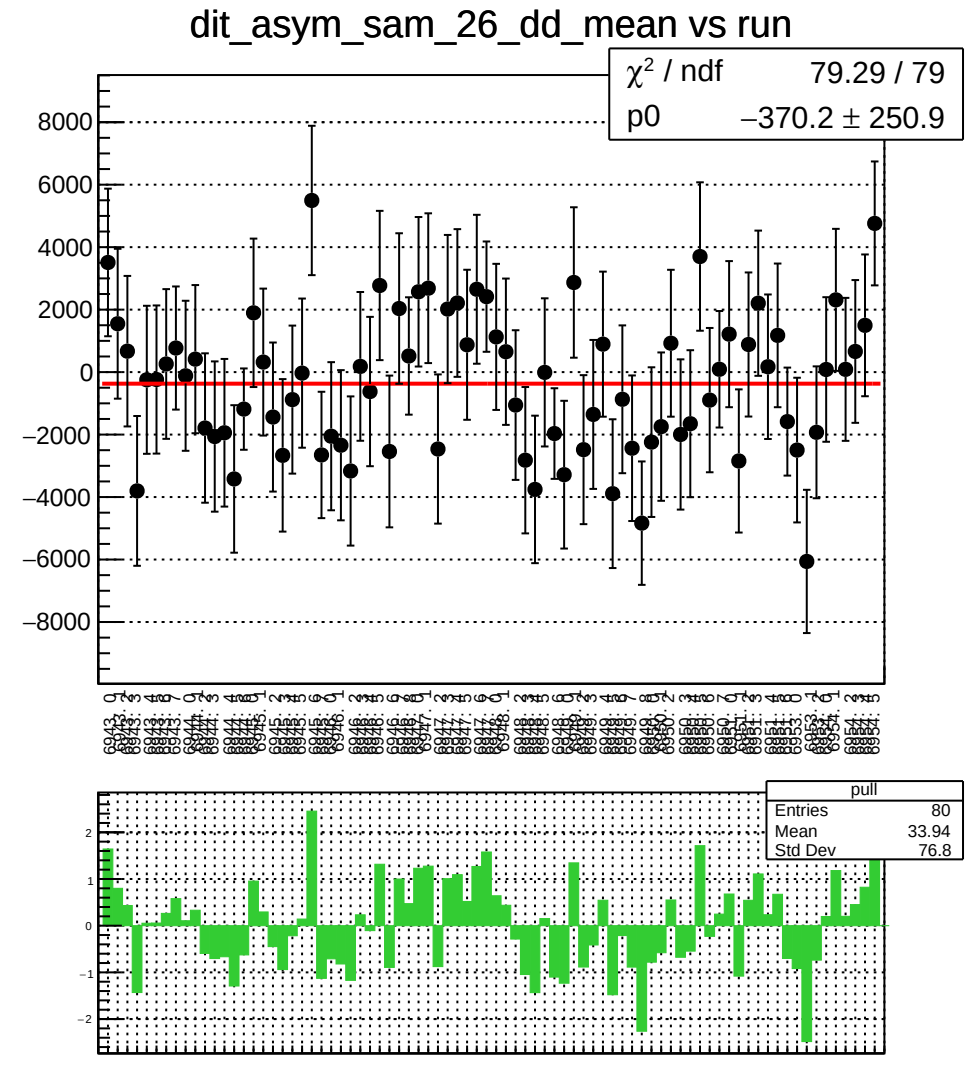

pull1D
Entries 80
Mean −0.007312
Std Dev 0.9556
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

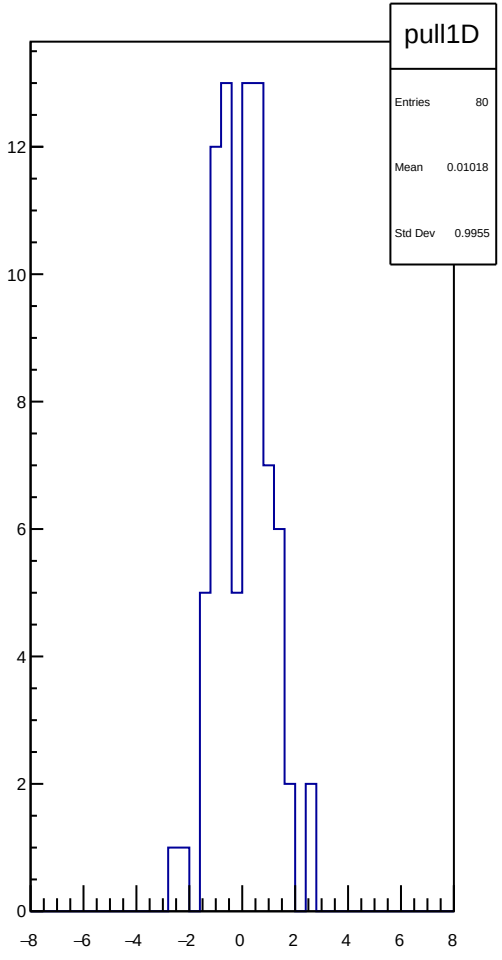

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2657 / 79
p0 643.1 ± 0.5095
720
700
680
660
640
620
600
580

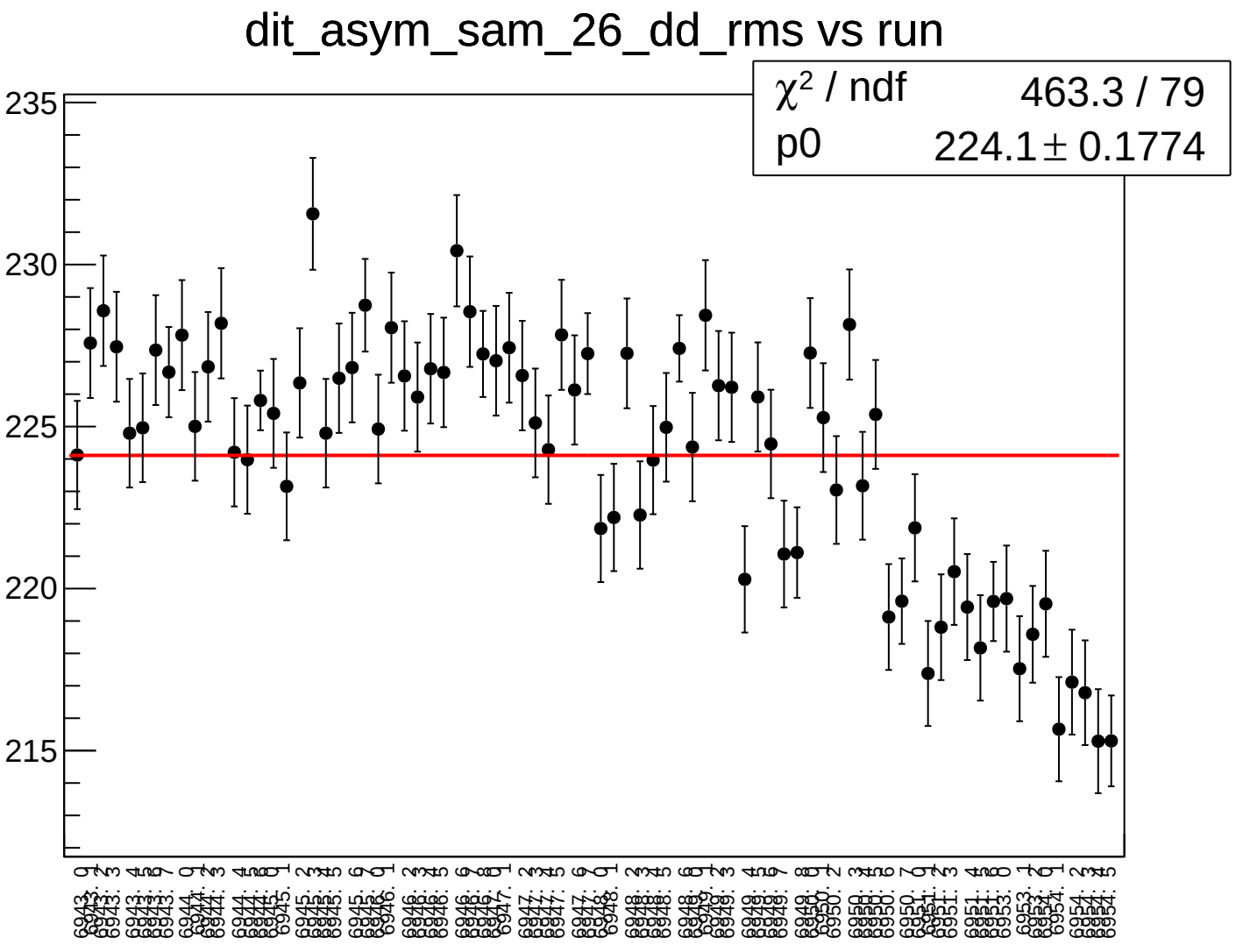

asym_sam_15_dd_mean vs run
χ² / ndf 72.89 / 79
p0 399.8 ± 709.9
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −356.6
Std Dev 396.7
3
2
1
0
−1
−2

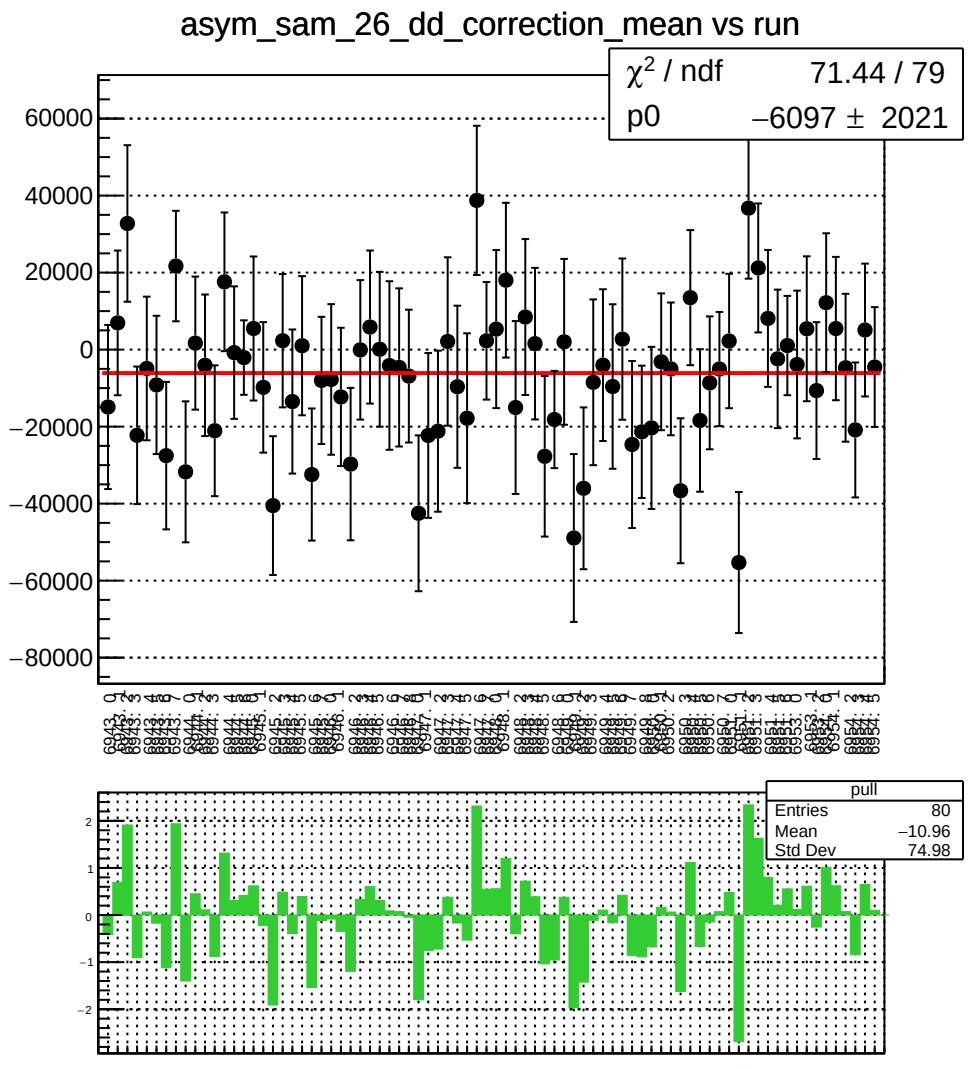

pull1D
Entries 80
Mean 0.007137
Std Dev 0.9545
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

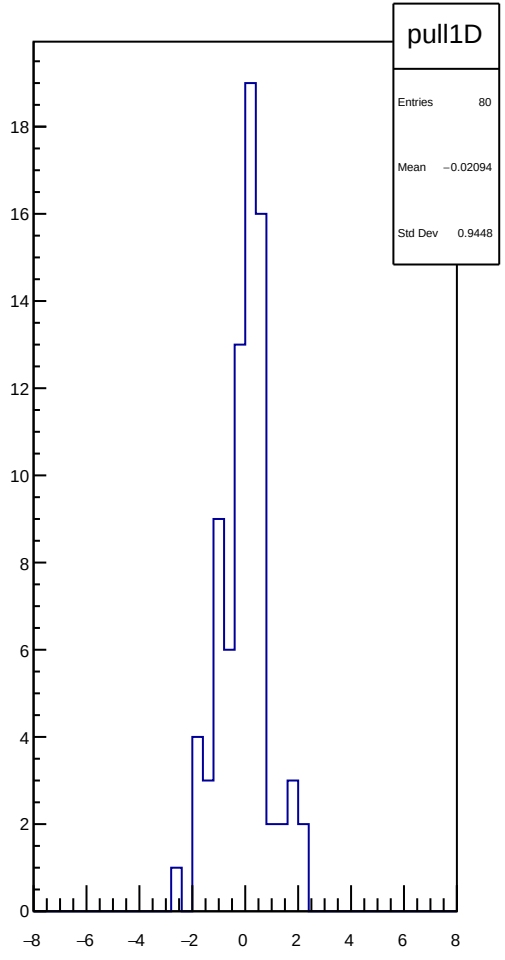

asym_sam_15_dd_rms vs run
χ² / ndf 2784 / 79
p0 633.5 ± 0.502
700
680
660
640
620
600
580

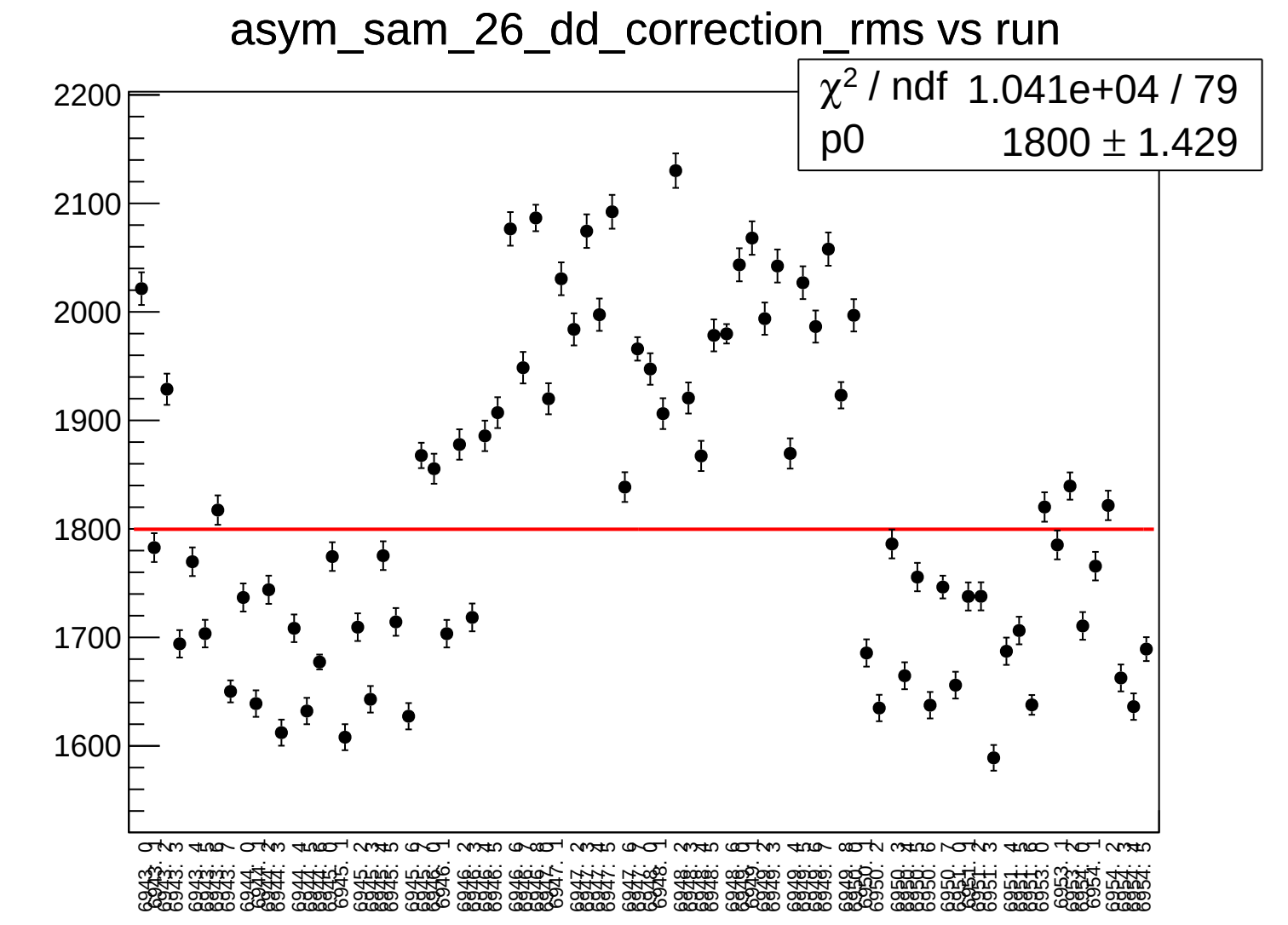

dit_asym_sam_26_dd_mean vs run
χ² / ndf 79.29 / 79
p0 −370.2 ± 250.9
pull
Entries 80
Mean 33.94
Std Dev 76.8

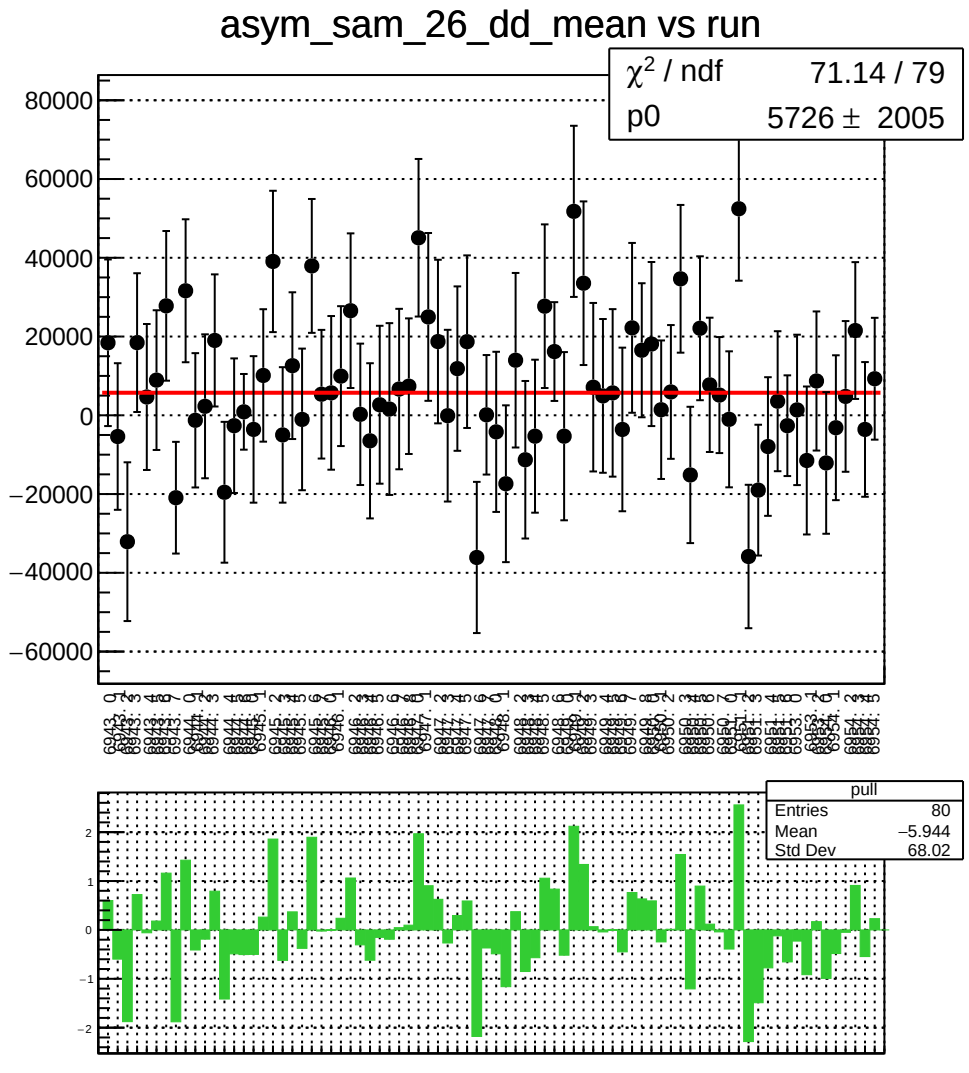

pull1D
Entries 80
Mean 0.01018
Std Dev 0.9955

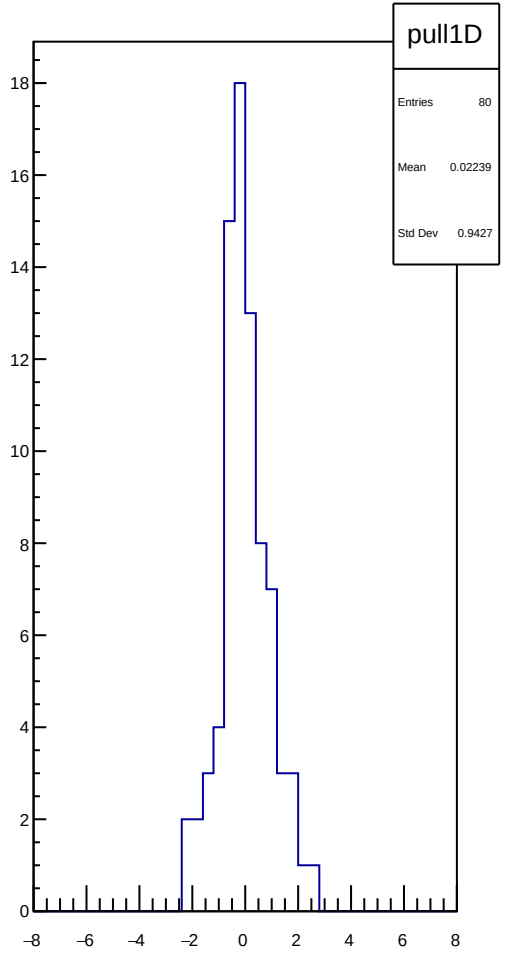

dit_asym_sam_26_dd_rms vs run
χ² / ndf 463.3 / 79
p0 224.1 ± 0.1774
235
230
225
220
215

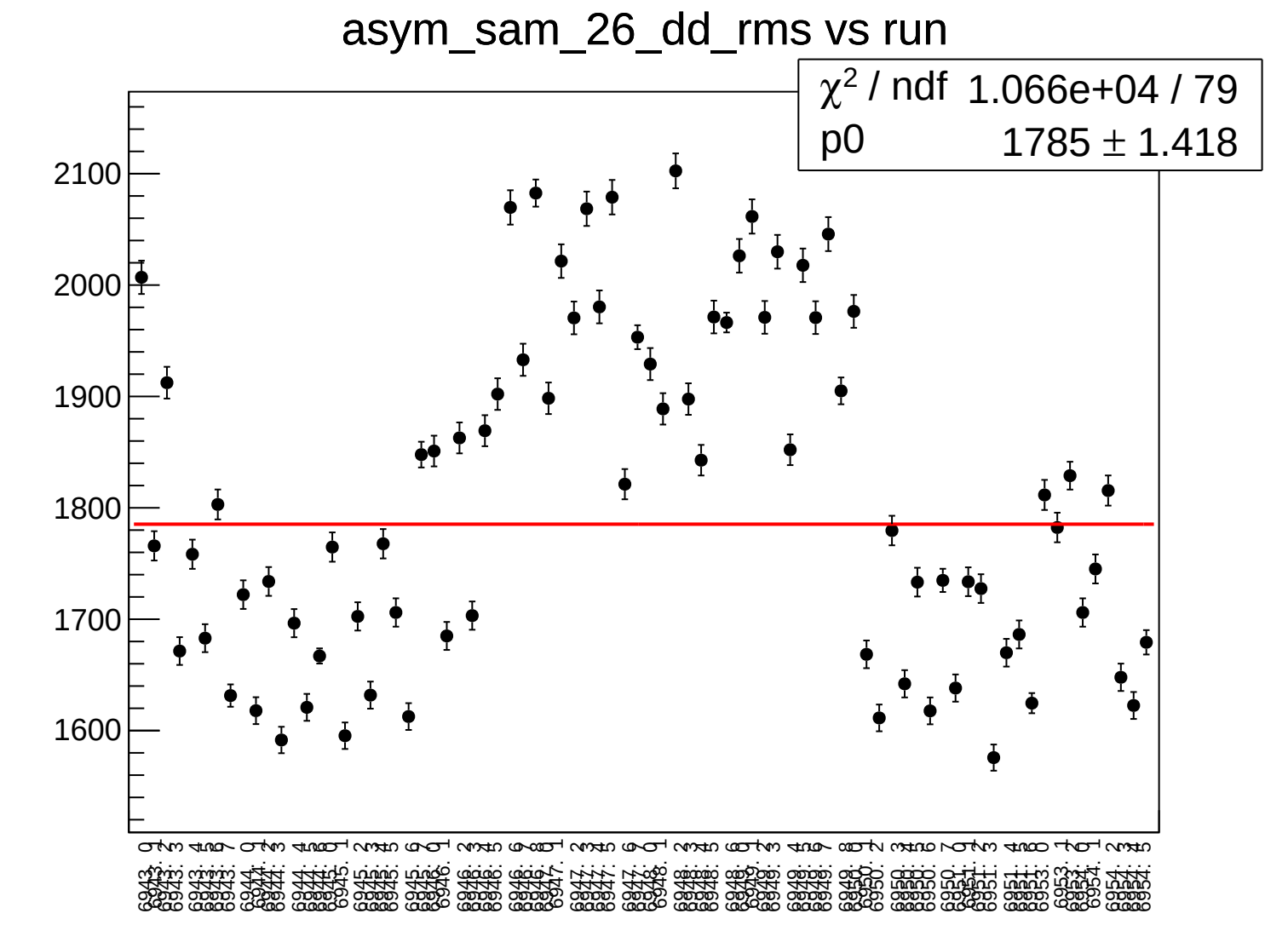

asym_sam_26_dd_correction_mean vs run
χ² / ndf 71.44 / 79
p0 −6097 ± 2021
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −10.96
Std Dev 74.98
2
1
0
−1
−2

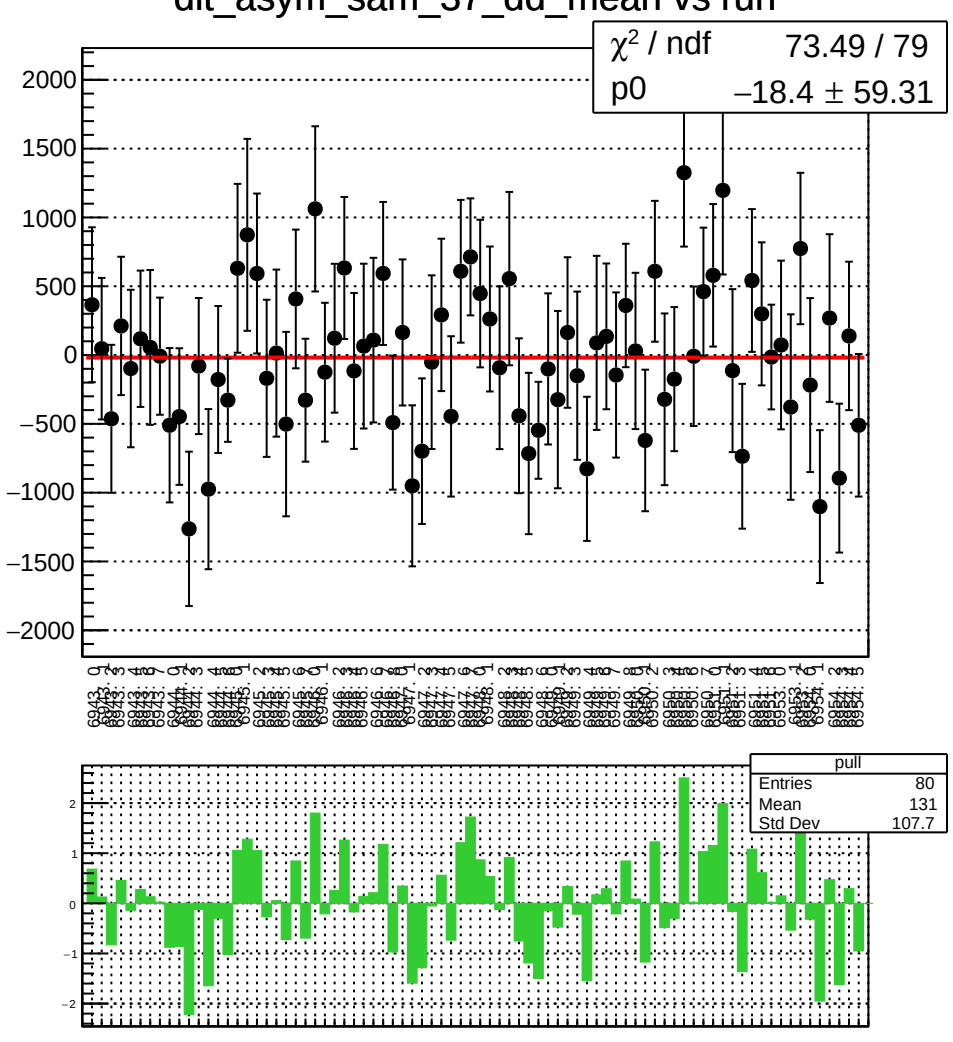

pull1D
Entries 80
Mean −0.02094
Std Dev 0.9448
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

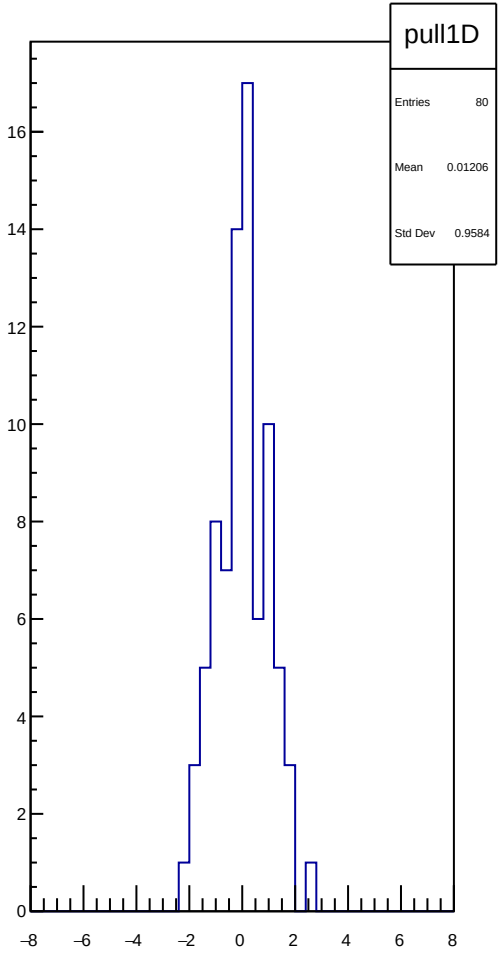

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.041e+04 / 79
p0 1800 ± 1.429
2200
2100
2000
1900
1800
1700
1600

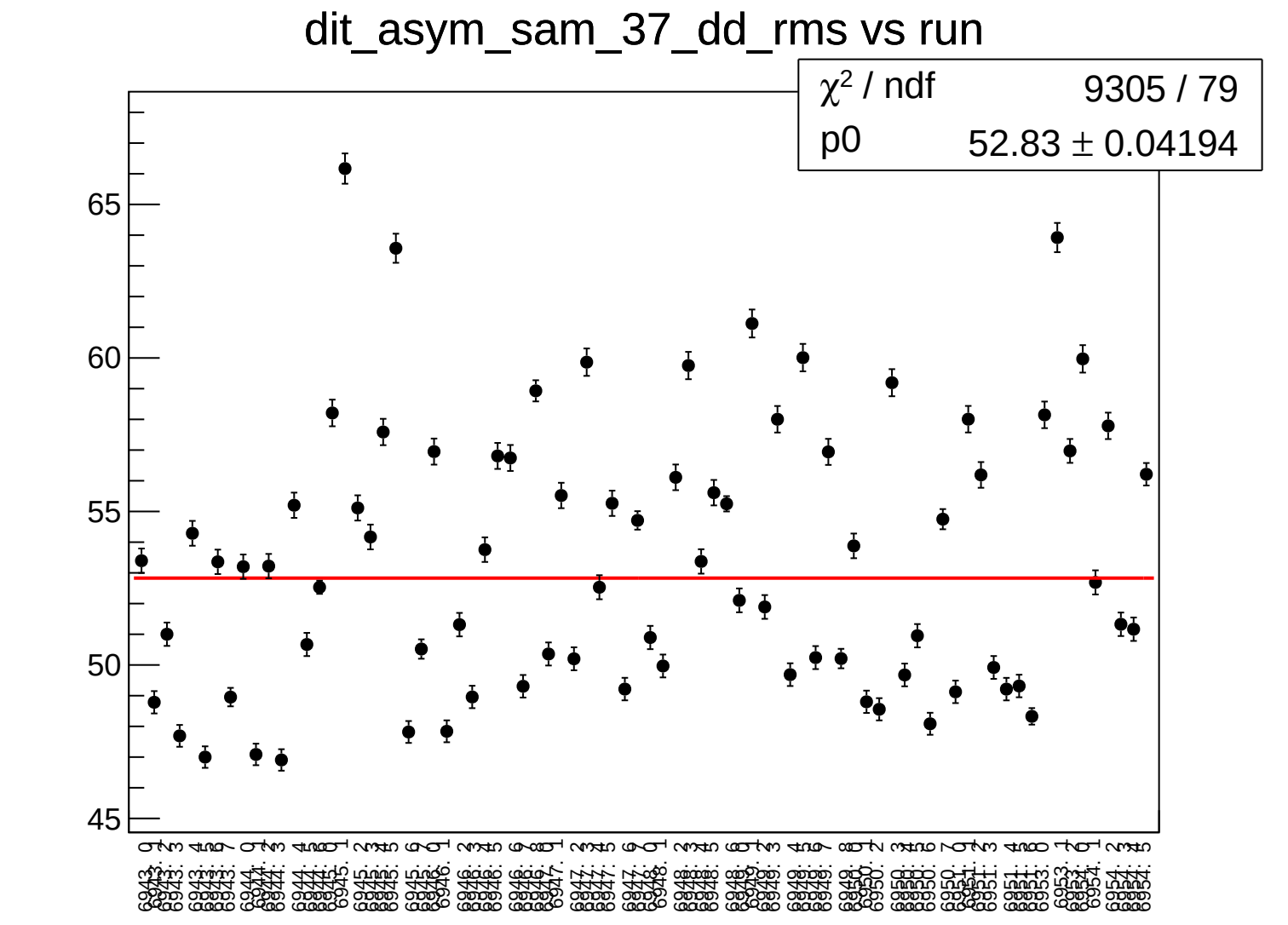

asym_sam_26_dd_mean vs run
χ² / ndf 71.14 / 79
p0 5726 ± 2005
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −5.944
Std Dev 68.02
2
1
0
−1
−2

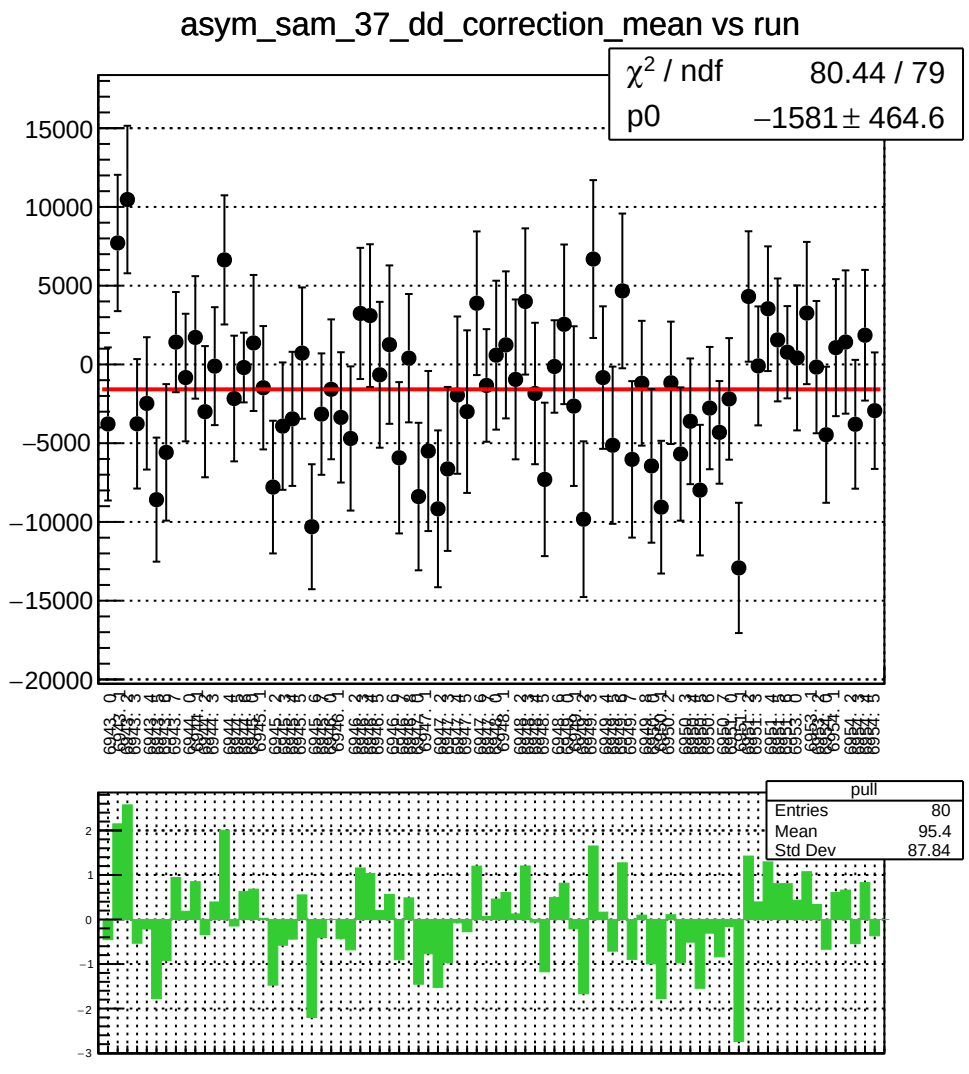

pull1D
Entries 80
Mean 0.02239
Std Dev 0.9427
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

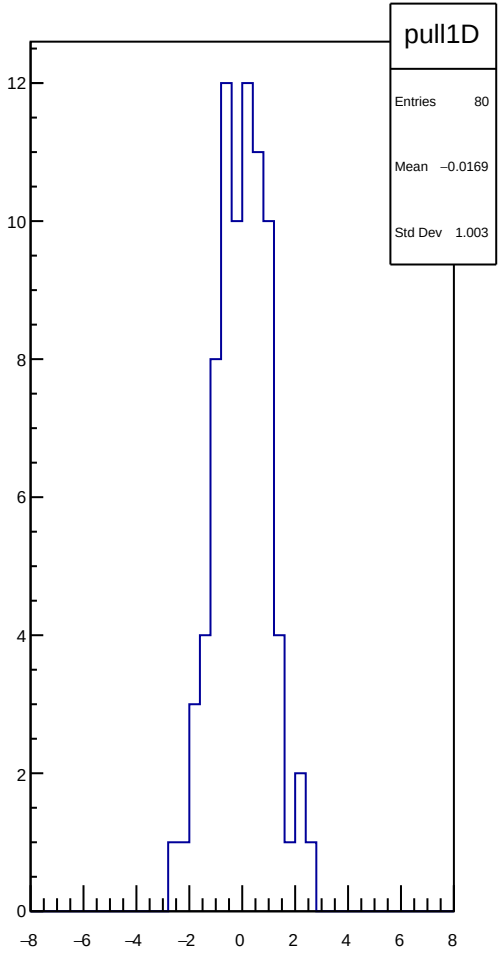

asym_sam_26_dd_rms vs run
χ^2 / ndf 1.066e+04 / 79
p0 1785 ± 1.418
2100
2000
1900
1800
1700
1600

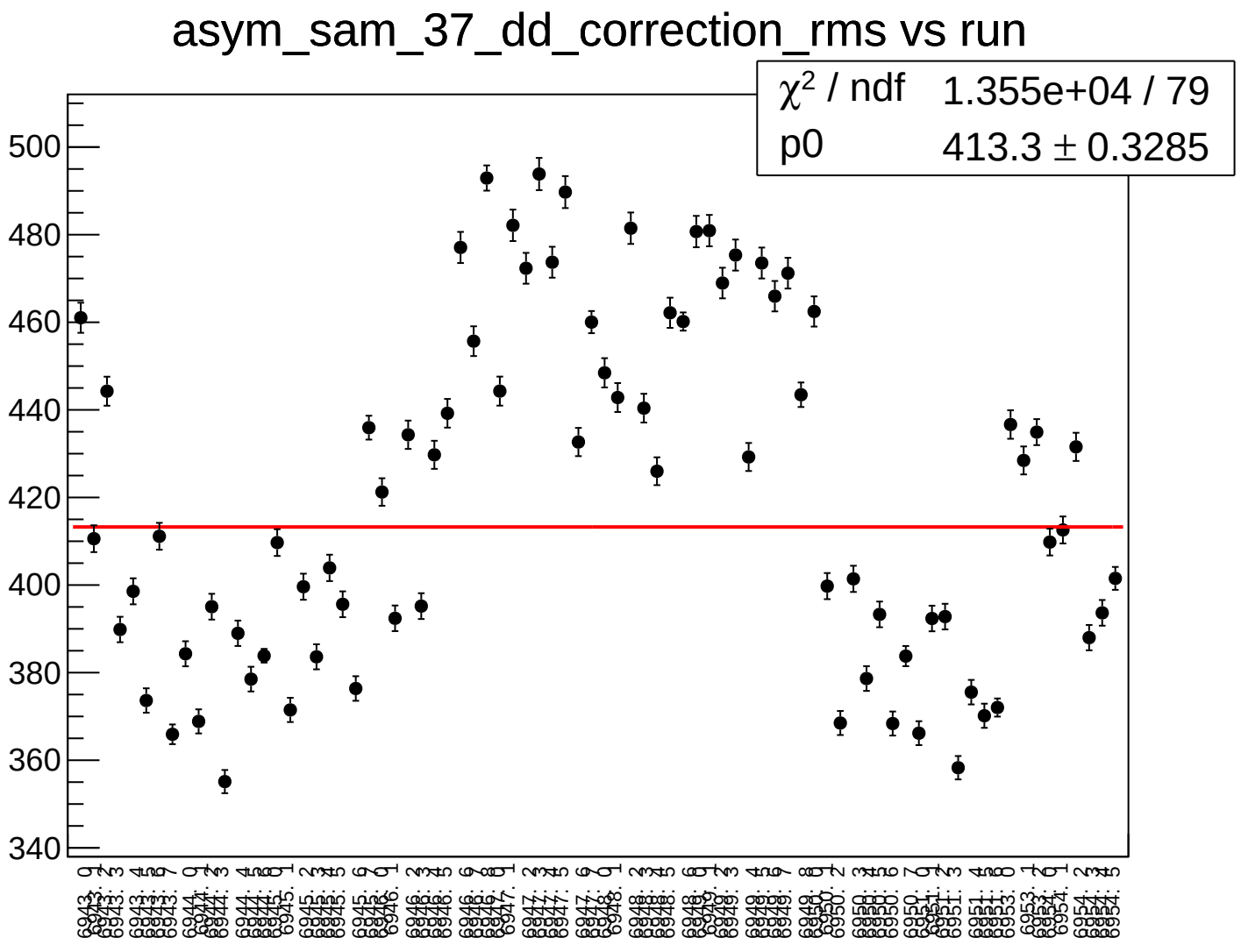

dit_asym_sam_37_dd_mean vs run
χ² / ndf 73.49 / 79
p0 −18.4 ± 59.31
pull
Entries 80
Mean 131
Std Dev 107.7

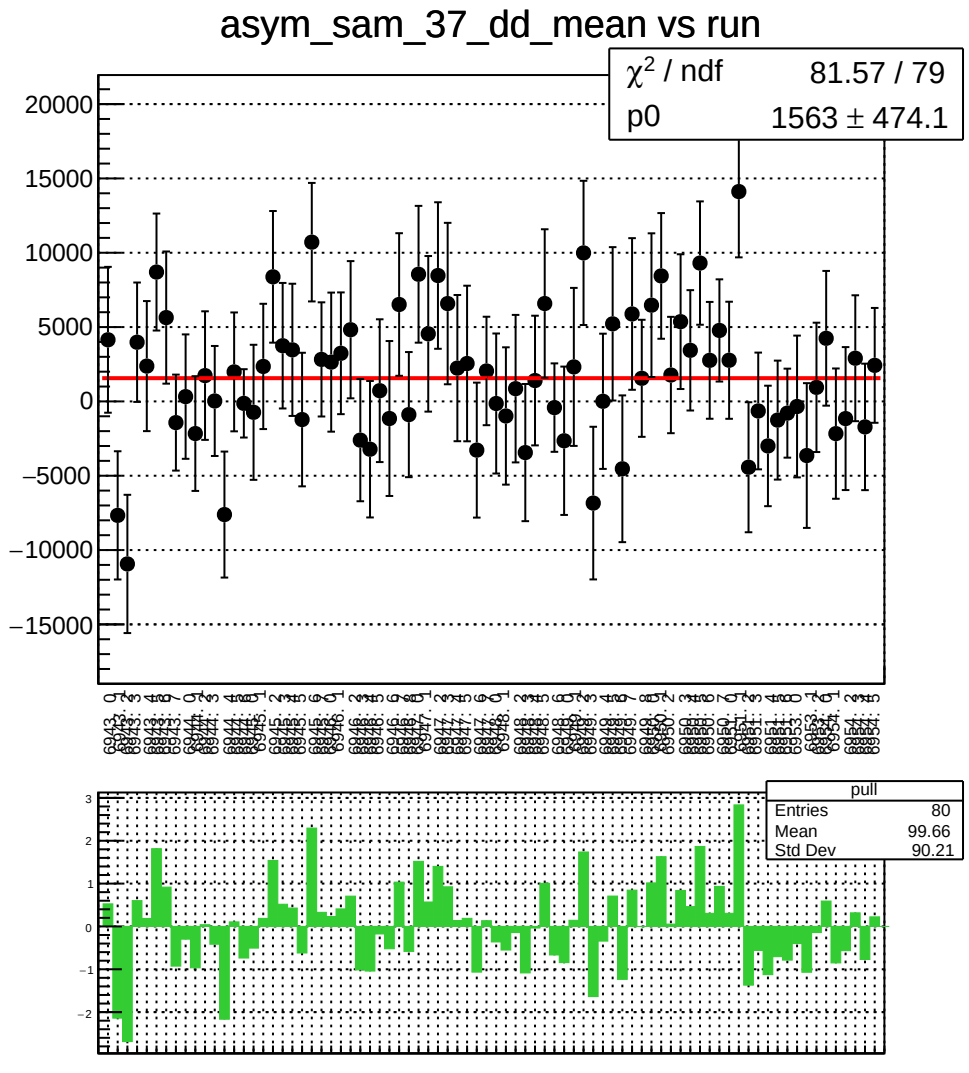

pull1D
Entries 80
Mean 0.01206
Std Dev 0.9584

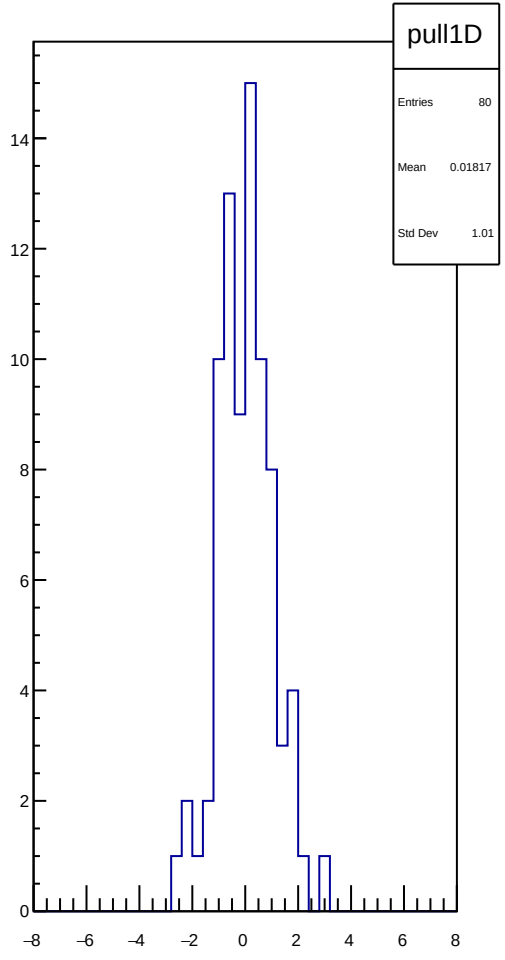

dit_asym_sam_37_dd_rms vs run
χ² / ndf 9305 / 79
p0 52.83 ± 0.04194
65
60
55
50
45

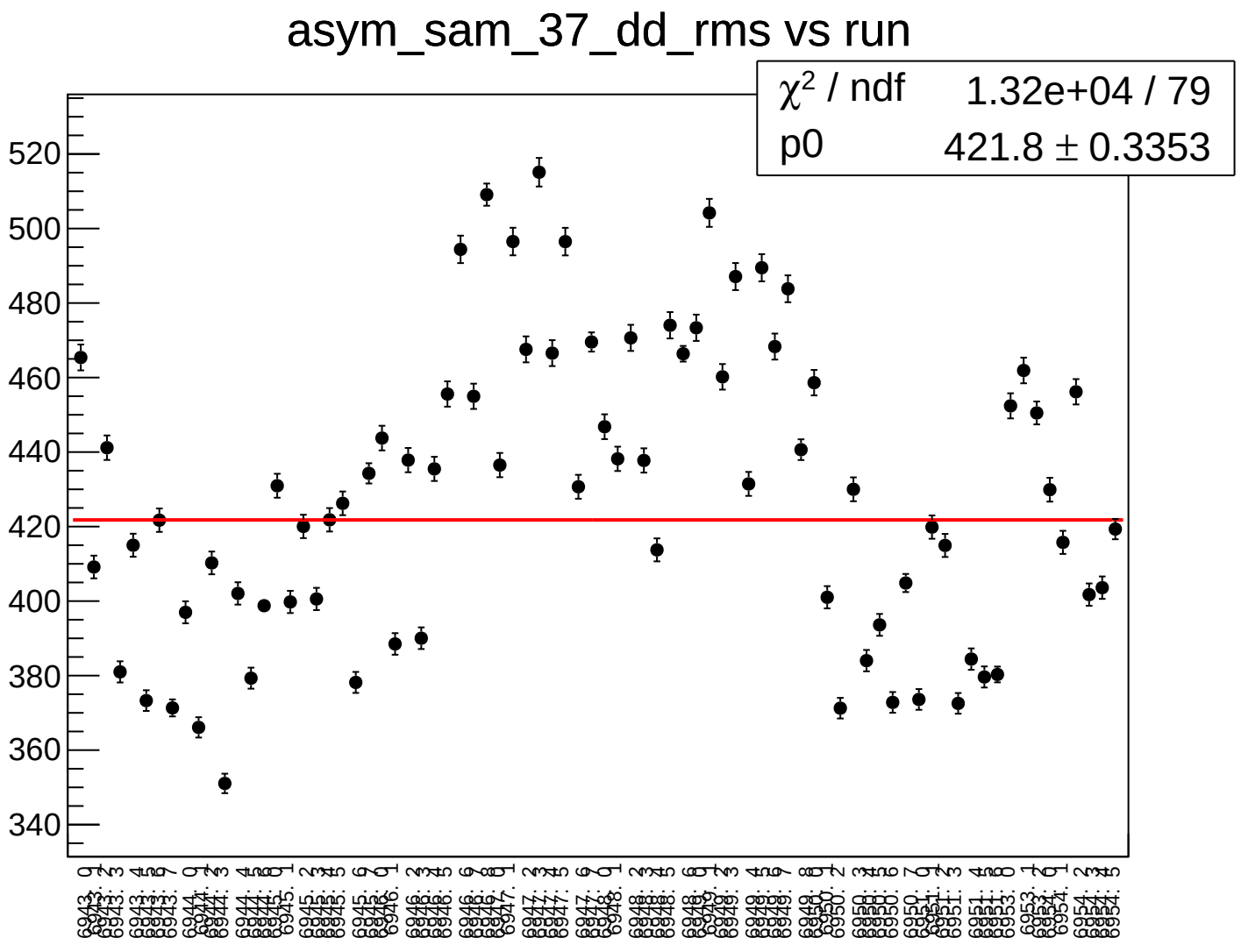

asym_sam_37_dd_correction_mean vs run
χ² / ndf 80.44 / 79
p0 −1581 ± 464.6
pull
Entries 80
Mean 95.4
Std Dev 87.84

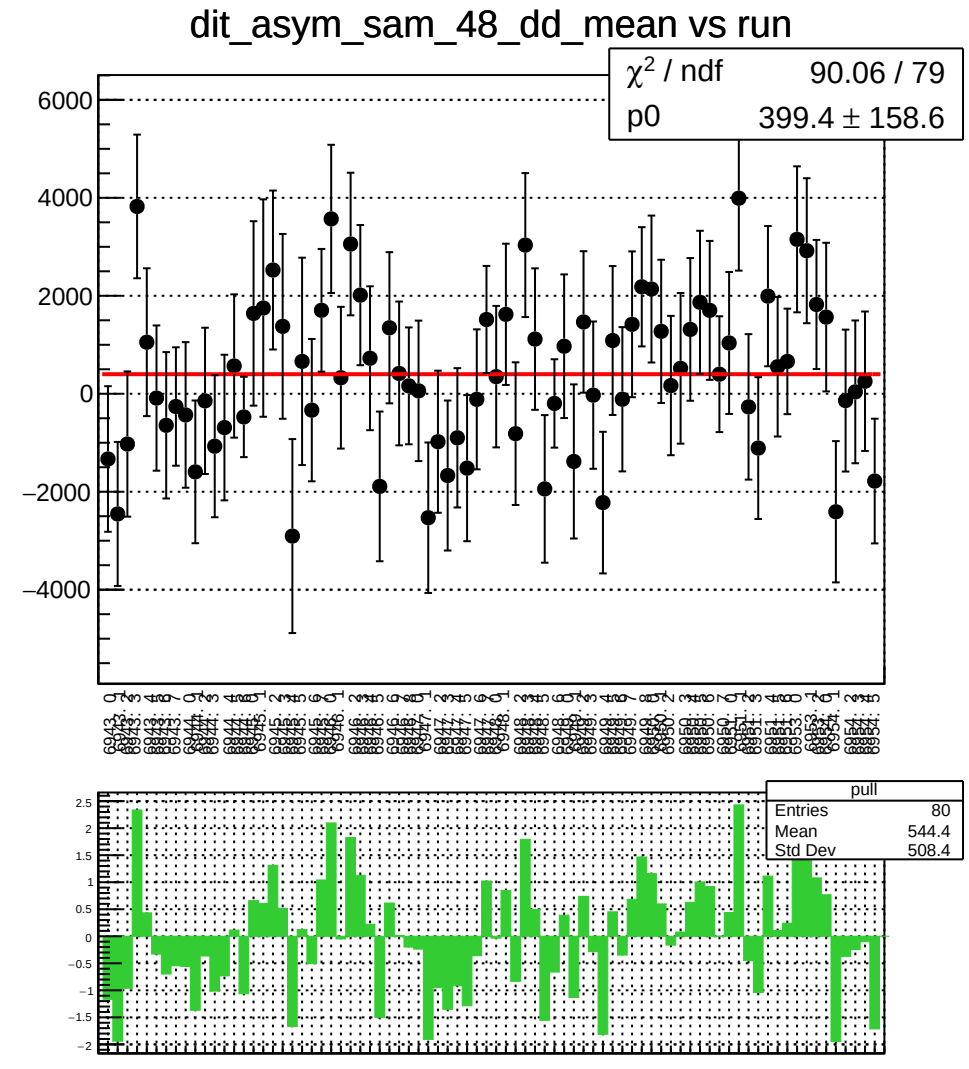

pull1D
Entries 80
Mean −0.0169
Std Dev 1.003

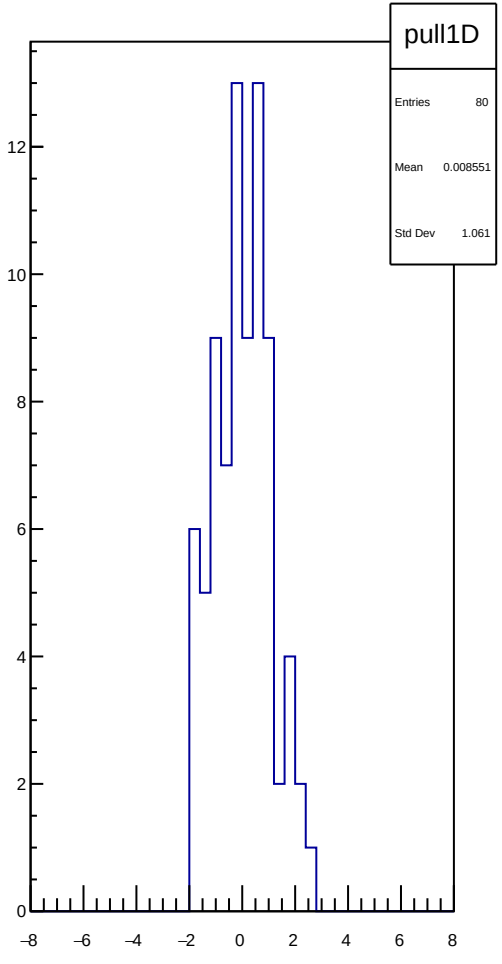

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.355e+04 / 79
p0 413.3 ± 0.3285
500
480
460
440
420
400
380
360
340

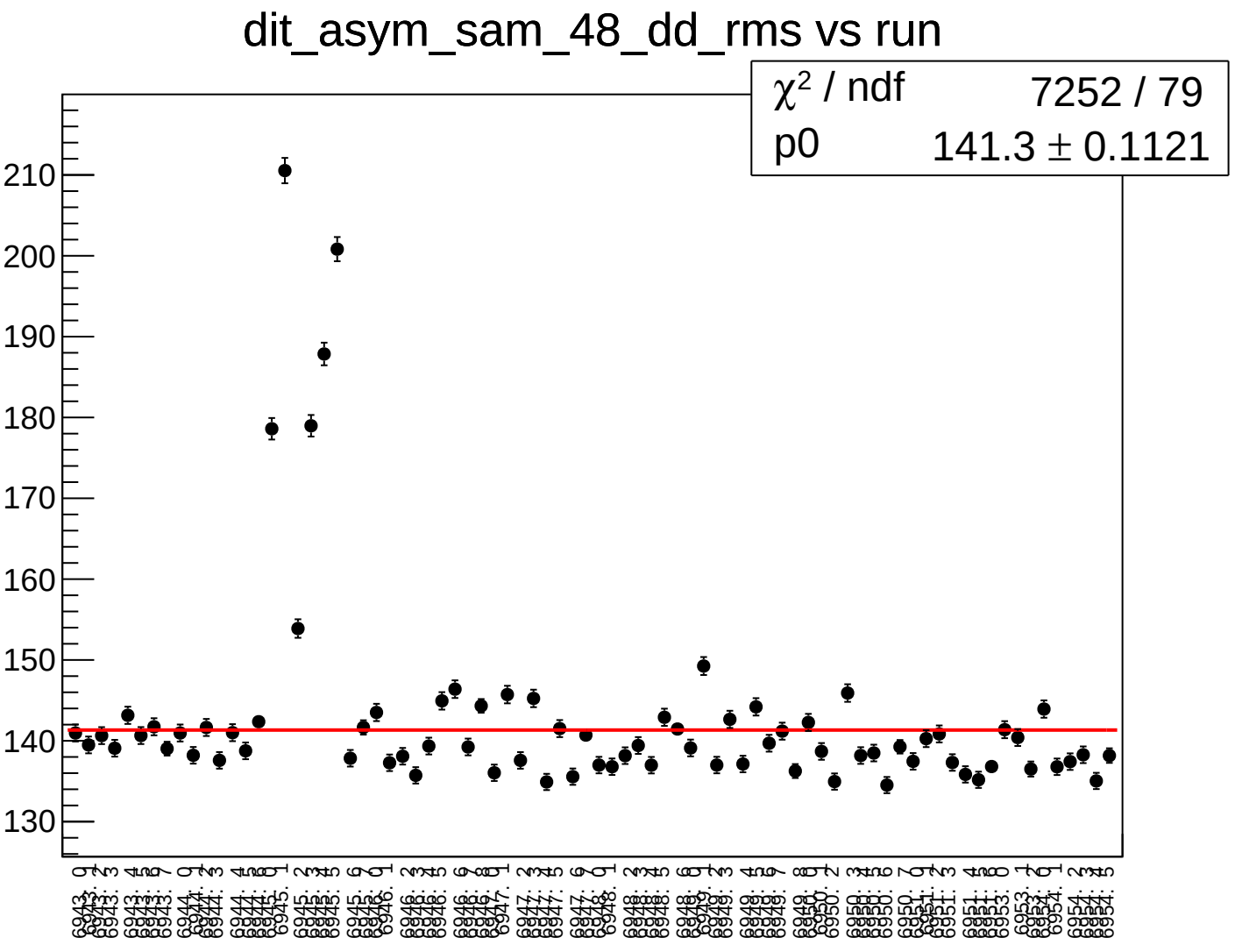

asym_sam_37_dd_mean vs run
χ² / ndf 81.57 / 79
p0 1563 ± 474.1
pull
Entries 80
Mean 99.66
Std Dev 90.21

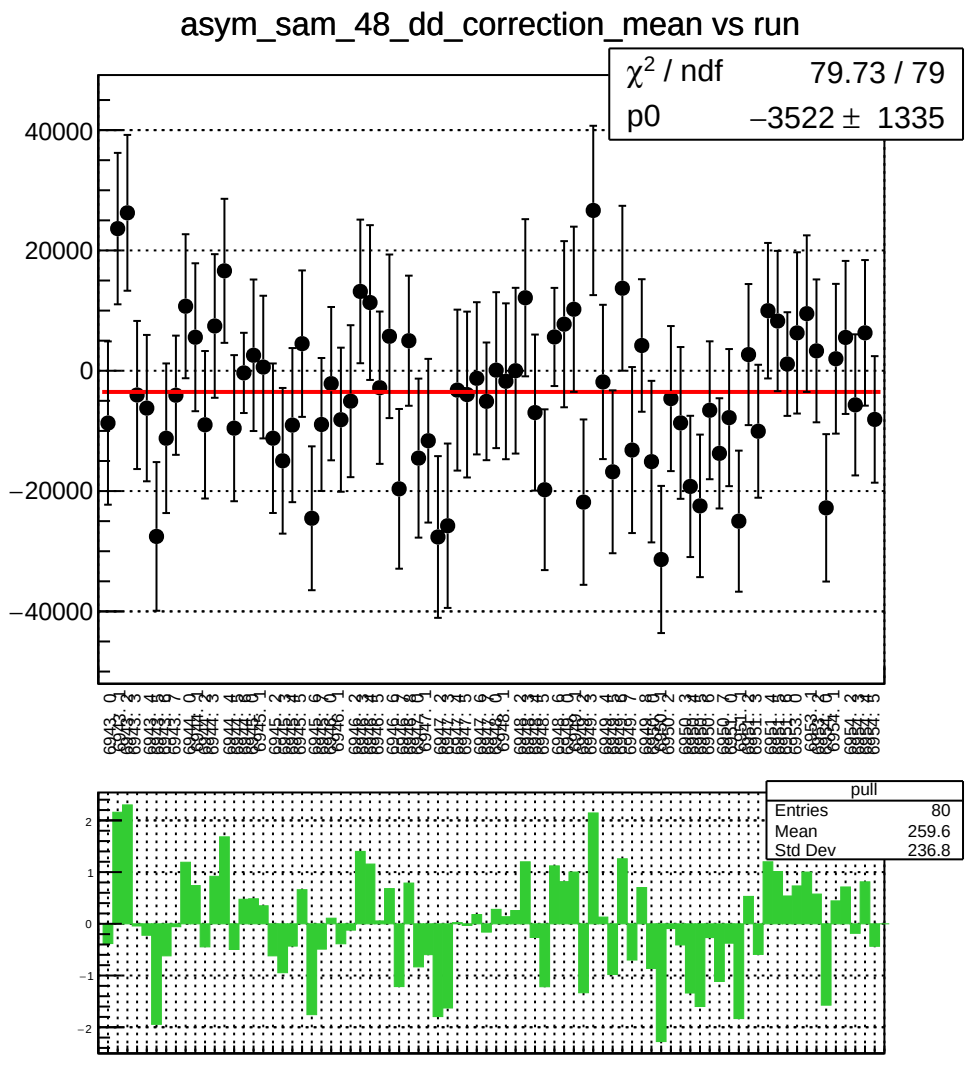

pull1D
Entries 80
Mean 0.01817
Std Dev 1.01

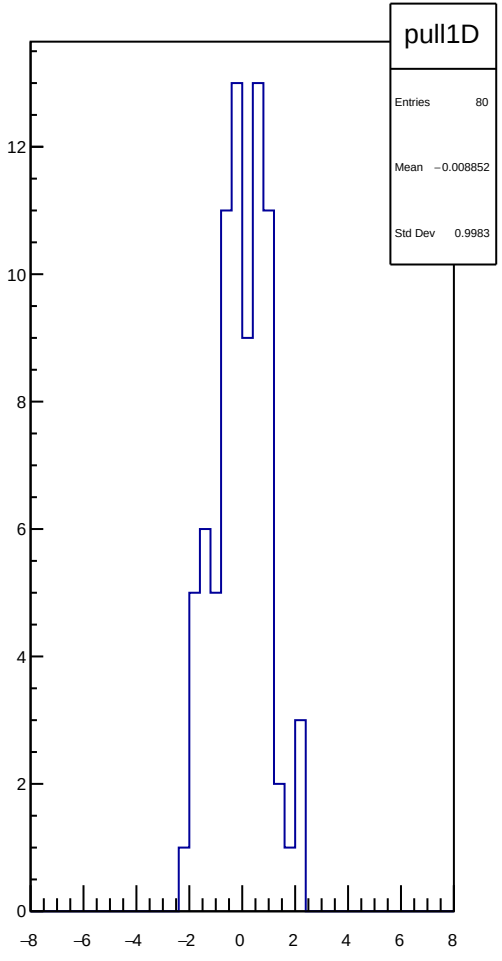

asym_sam_37_dd_rms vs run
χ² / ndf 1.32e+04 / 79
p0 421.8 ± 0.3353
520
500
480
460
440
420
400
380
360
340

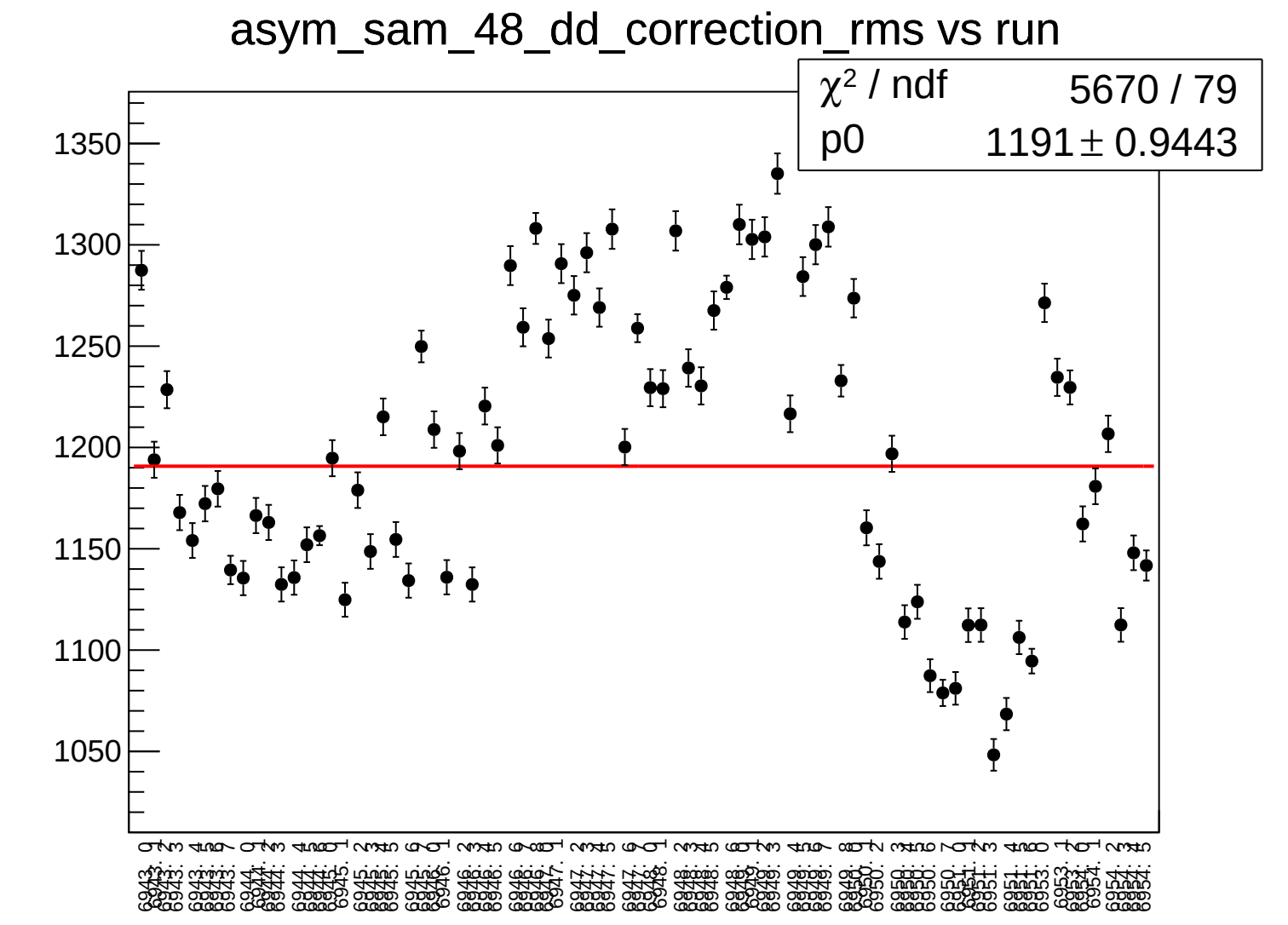

dit_asym_sam_48_dd_mean vs run
χ² / ndf 90.06 / 79
p0 399.4 ± 158.6
pull
Entries 80
Mean 544.4
Std Dev 508.4

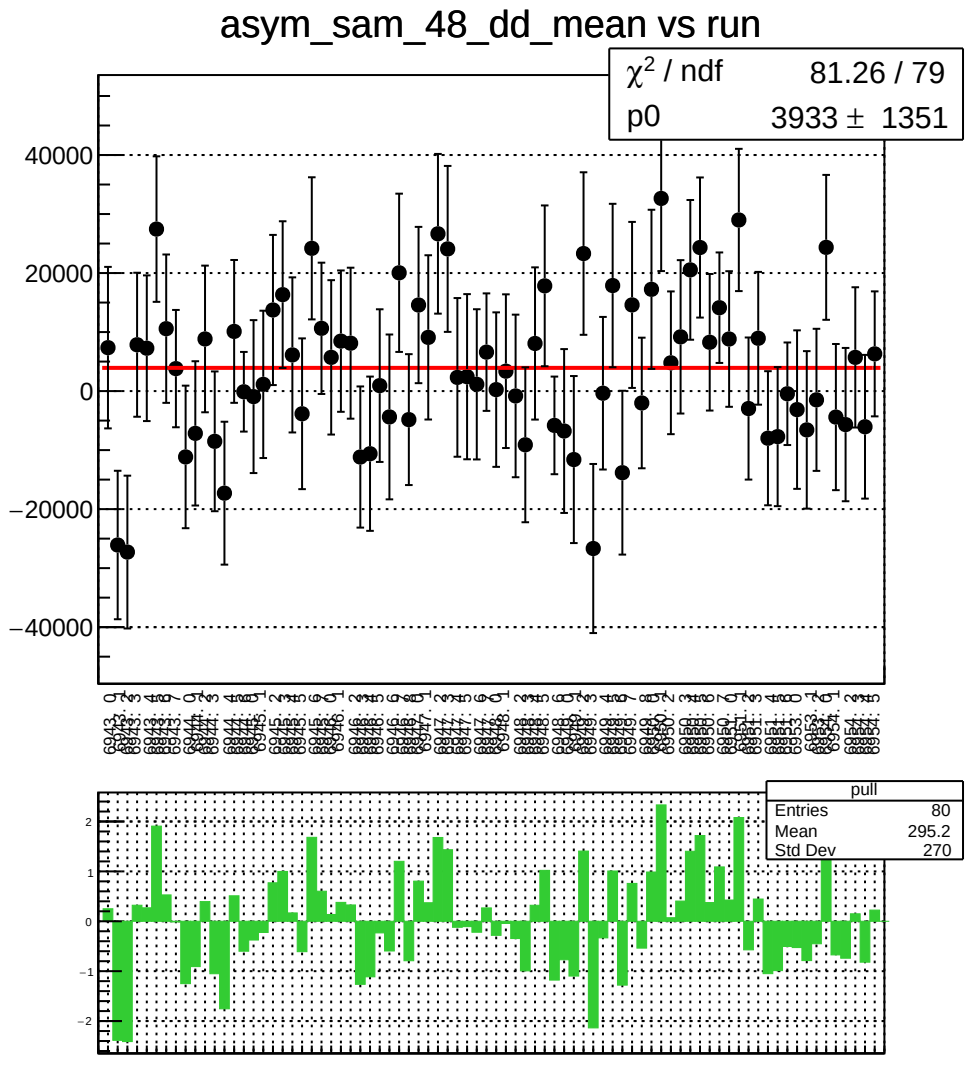

pull1D
Entries 80
Mean 0.008551
Std Dev 1.061

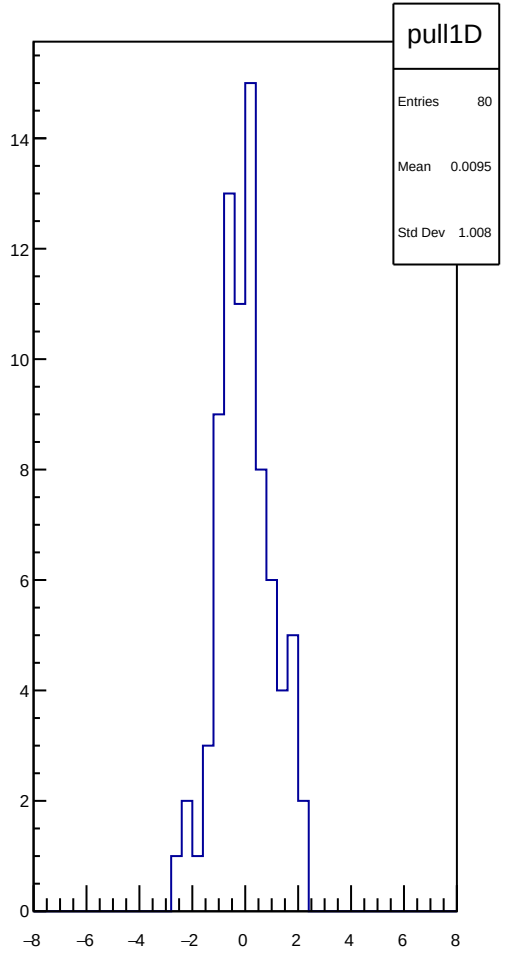

dit_asym_sam_48_dd_rms vs run
χ² / ndf 7252 / 79
p0 141.3 ± 0.1121
210
200
190
180
170
160
150
140
130

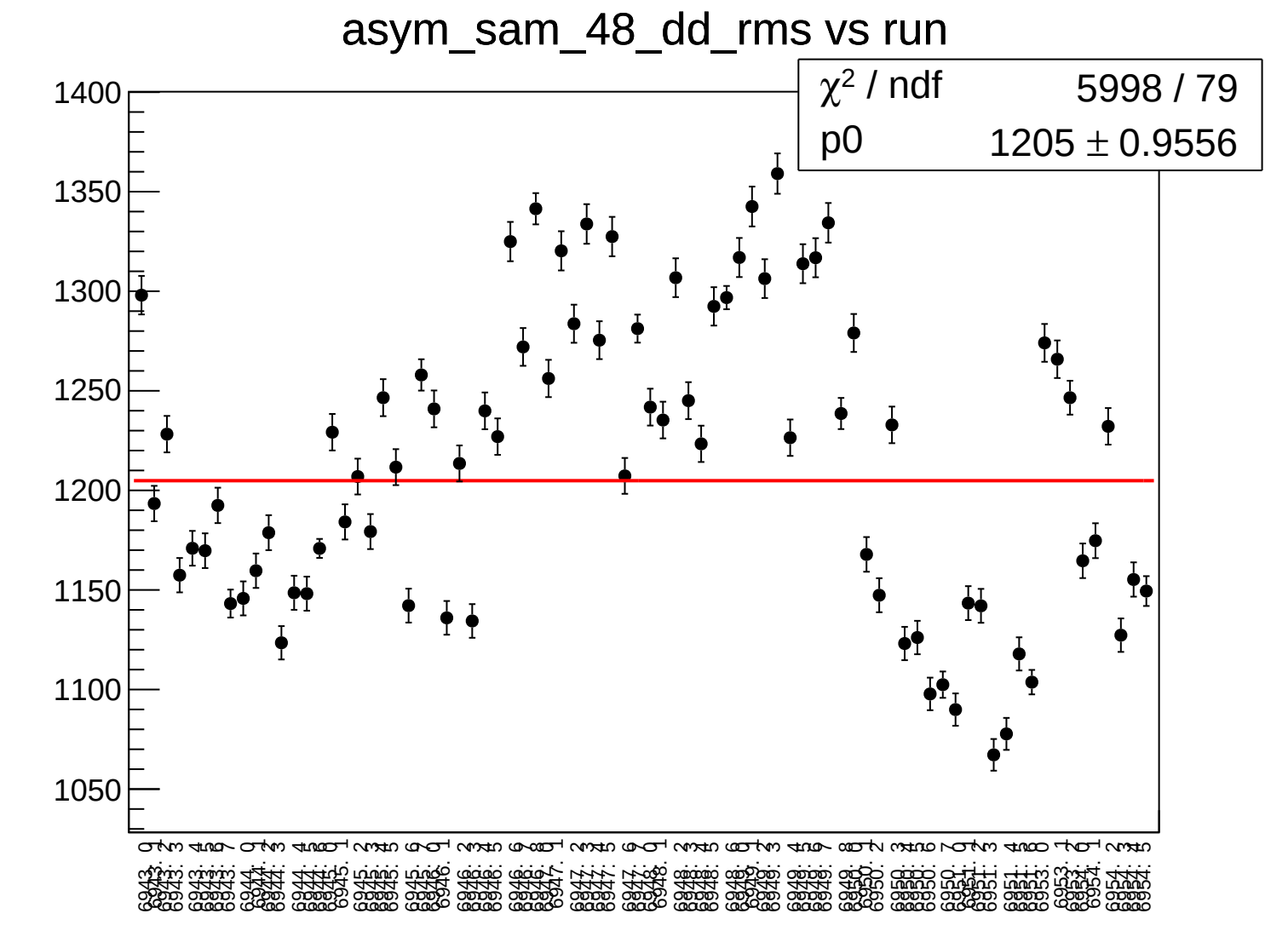

asym_sam_48_dd_correction_mean vs run
χ² / ndf 79.73 / 79
p0 −3522 ± 1335
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 259.6
Std Dev 236.8
2
1
0
−1
−2

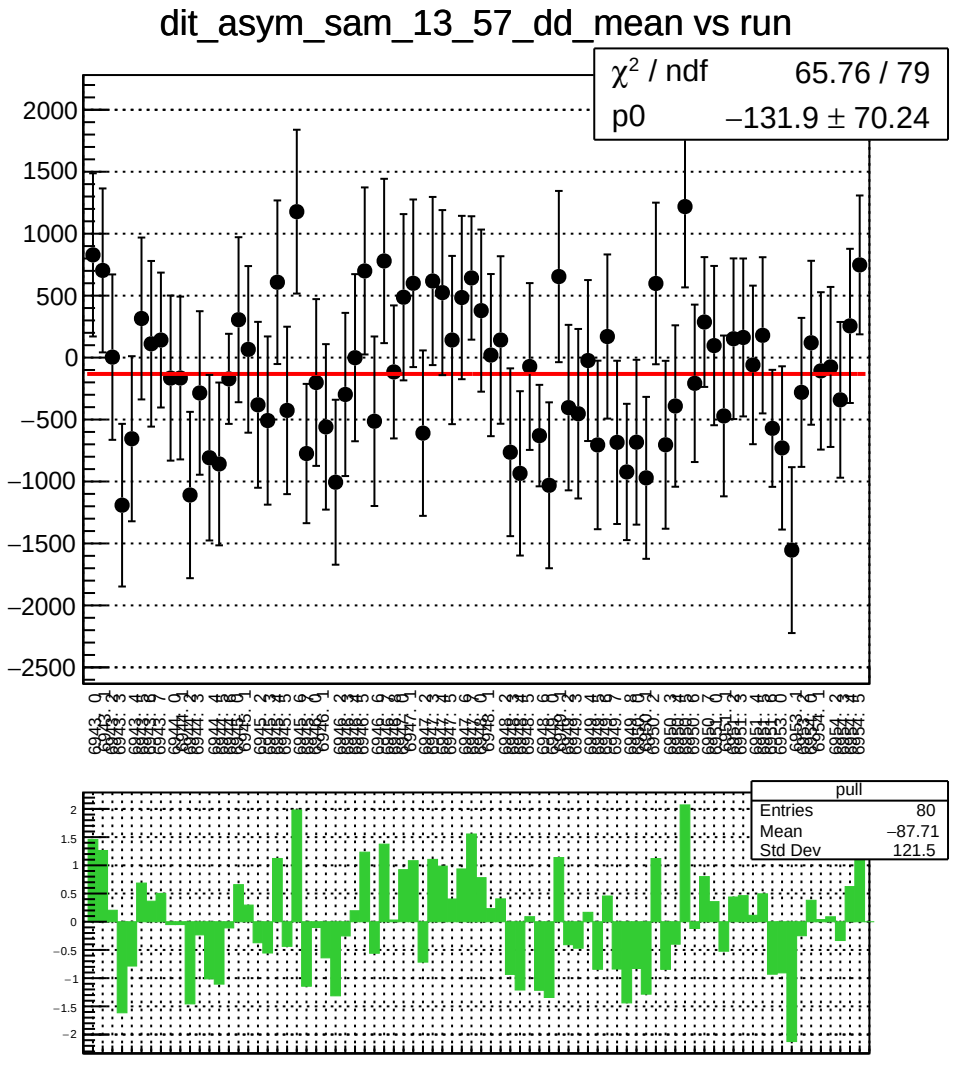

pull1D
Entries 80
Mean −0.008852
Std Dev 0.9983
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

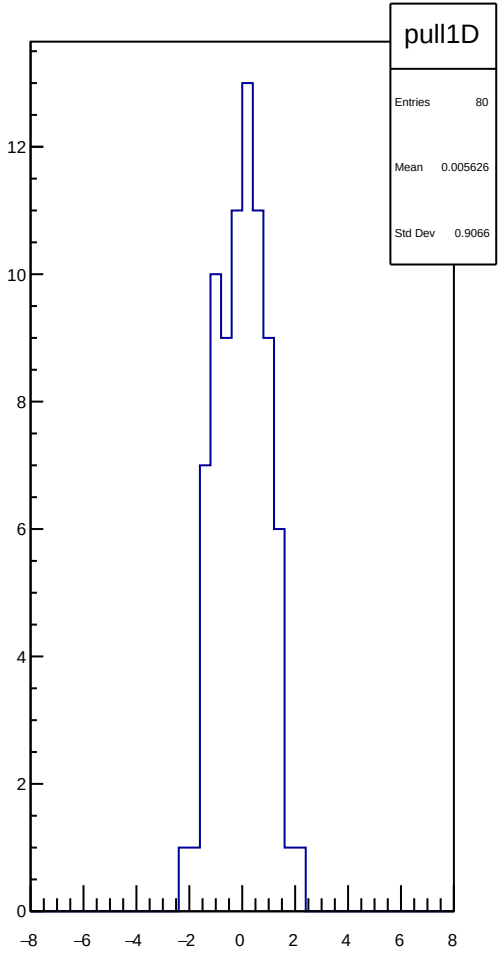

asym_sam_48_dd_correction_rms vs run
χ² / ndf 5670 / 79
p0 1191 ± 0.9443
1350
1300
1250
1200
1150
1100
1050

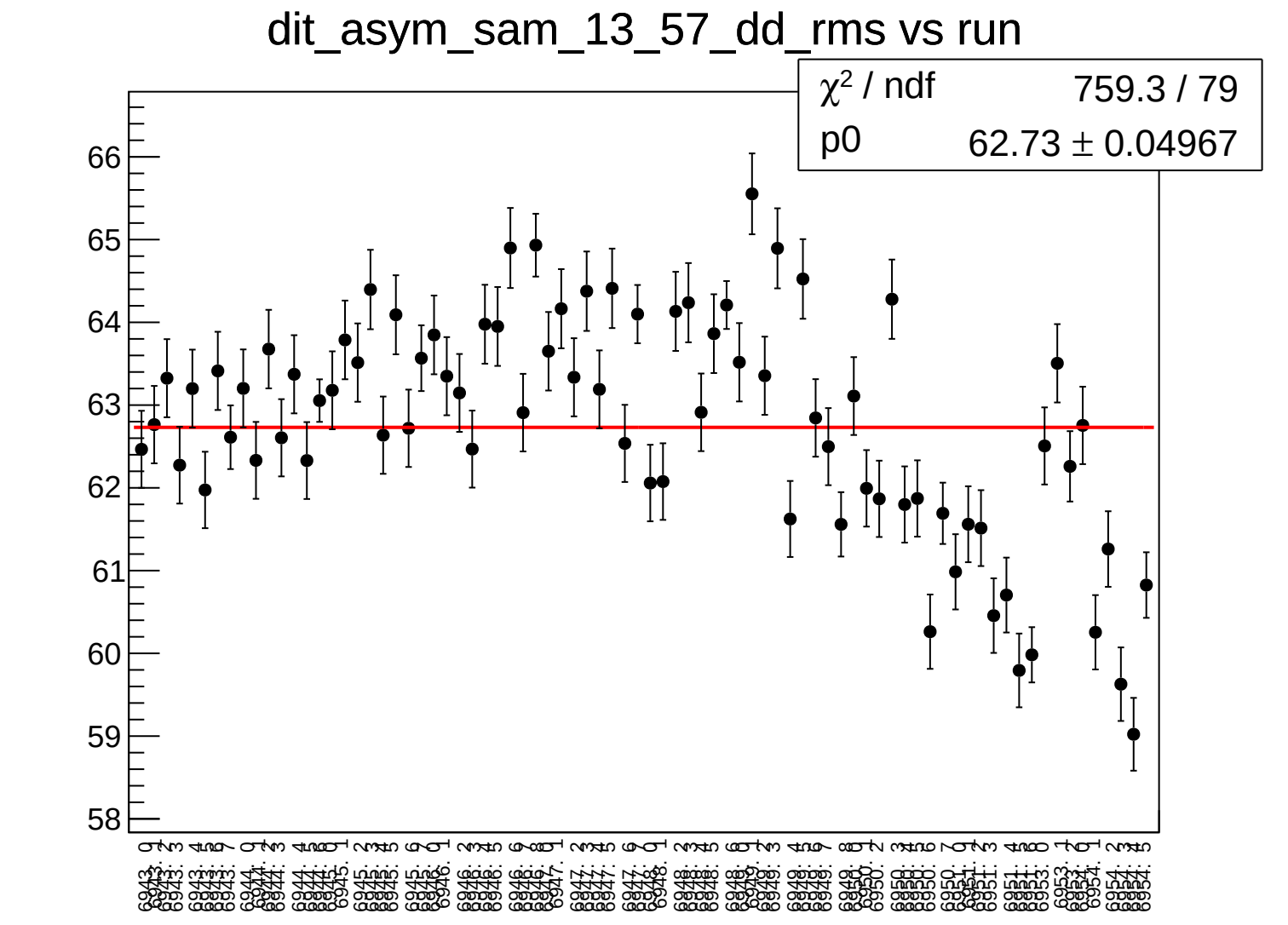

asym_sam_48_dd_mean vs run
χ² / ndf 81.26 / 79
p0 3933 ± 1351
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 295.2
Std Dev 270
2
1
0
−1
−2

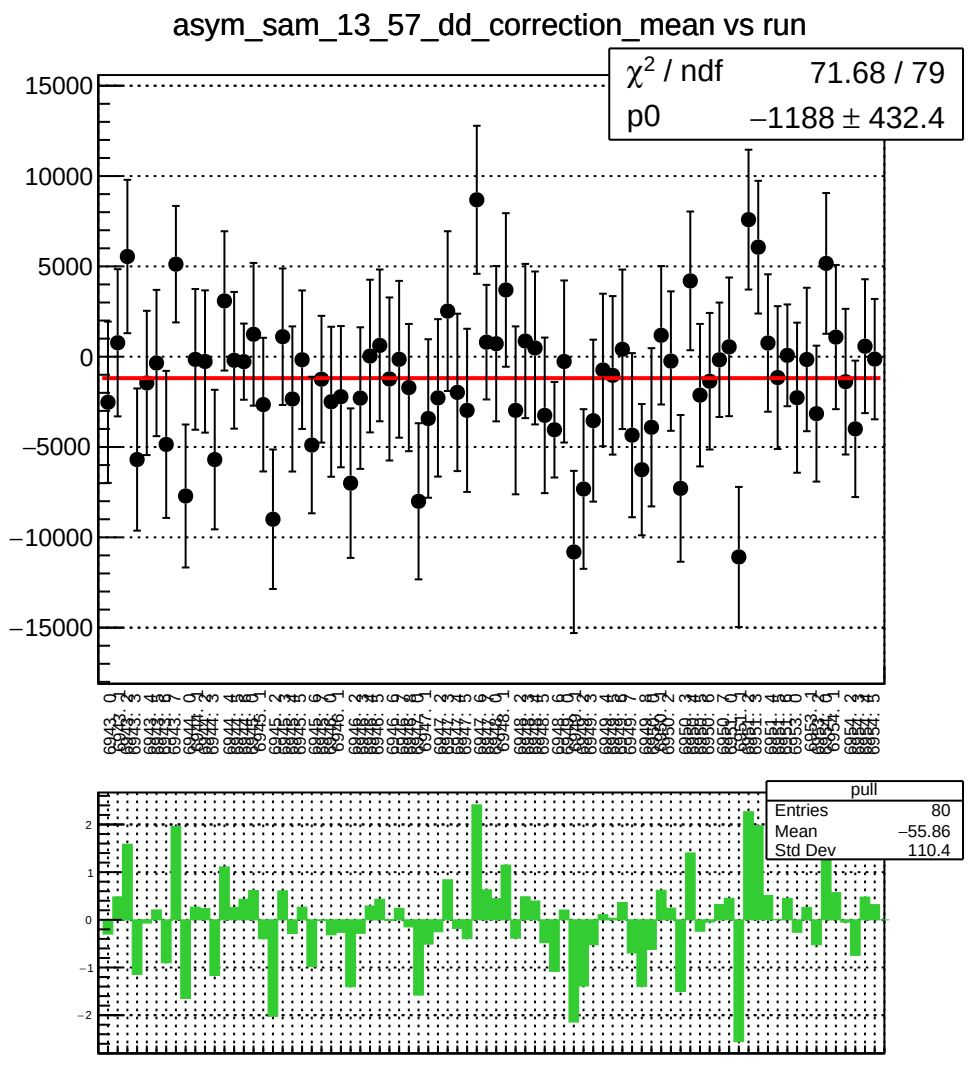

pull1D
Entries 80
Mean 0.0095
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

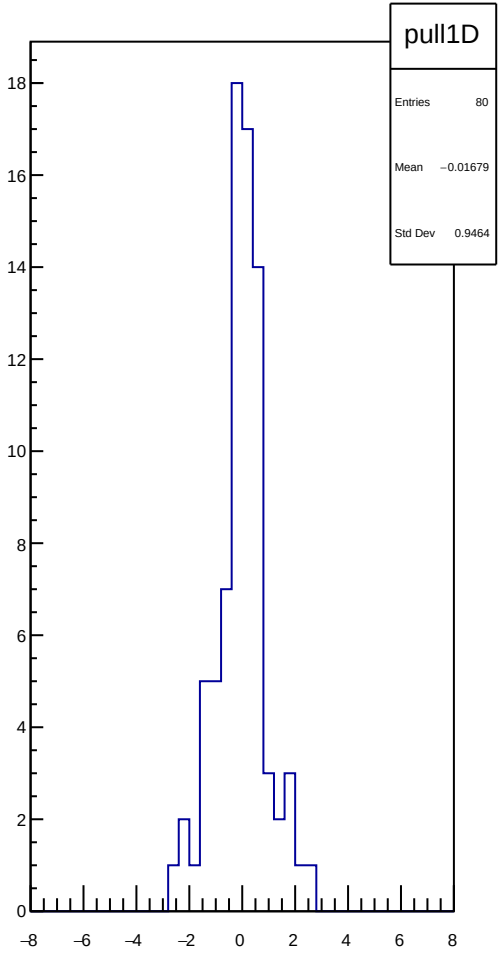

asym_sam_48_dd_rms vs run
χ² / ndf 5998 / 79
p0 1205 ± 0.9556
1400
1350
1300
1250
1200
1150
1100
1050

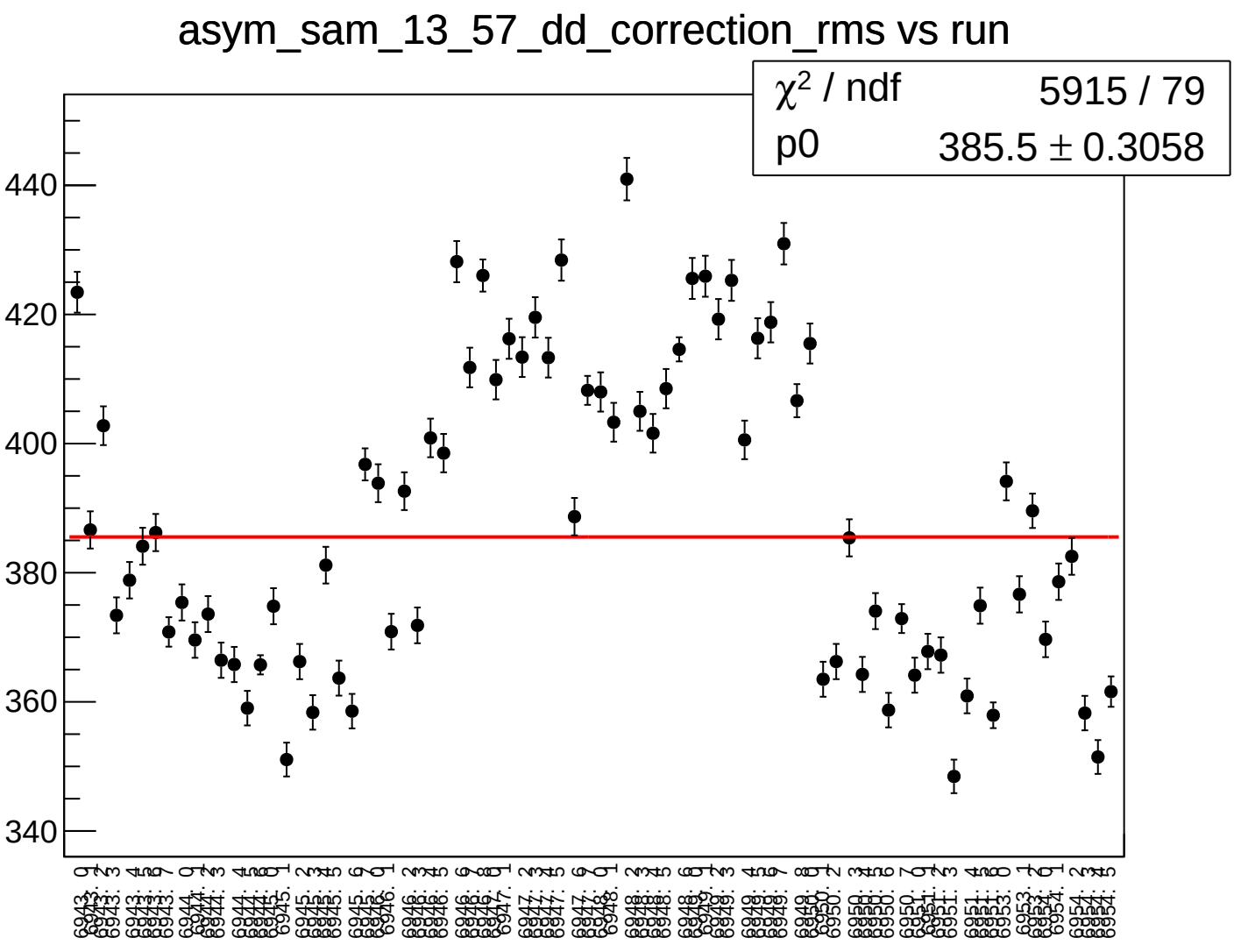

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 65.76 / 79
p0 −131.9 ± 70.24
pull
Entries 80
Mean −87.71
Std Dev 121.5

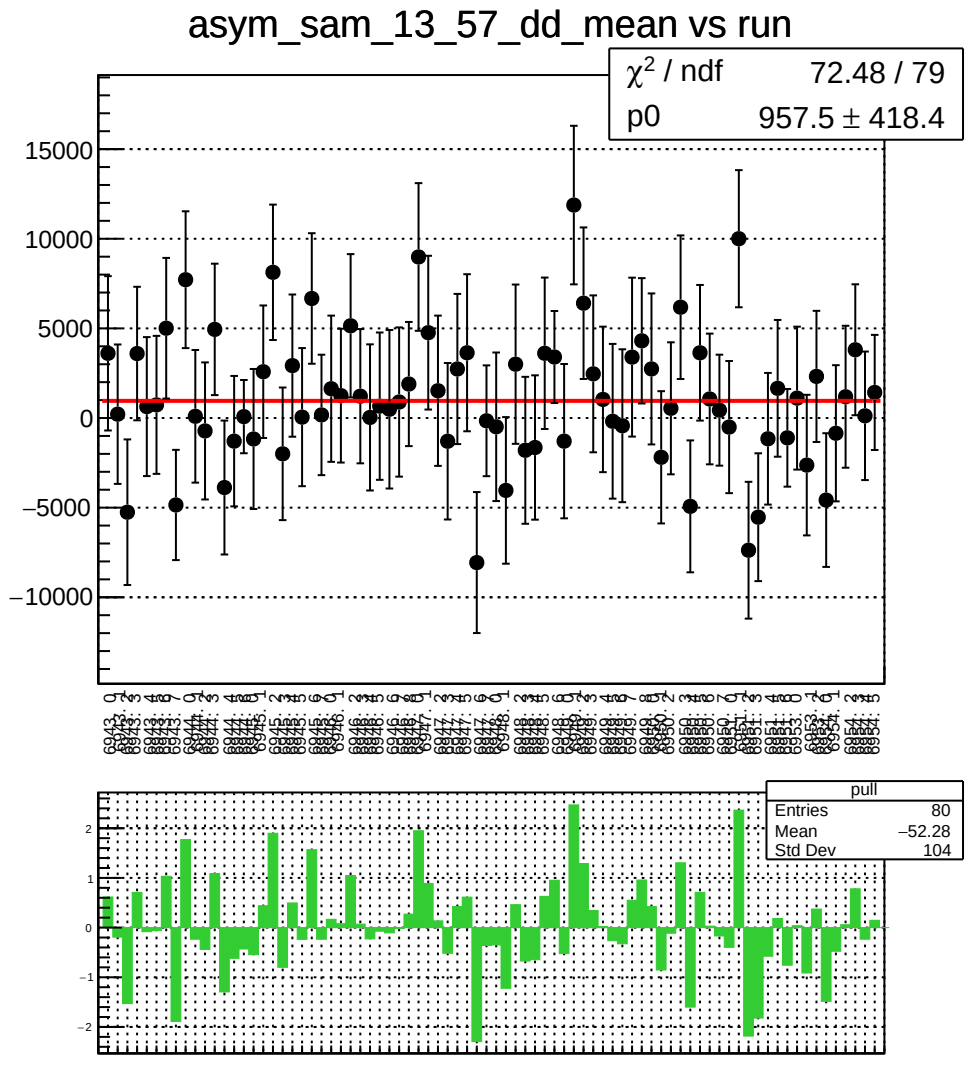

pull1D
Entries 80
Mean 0.005626
Std Dev 0.9066

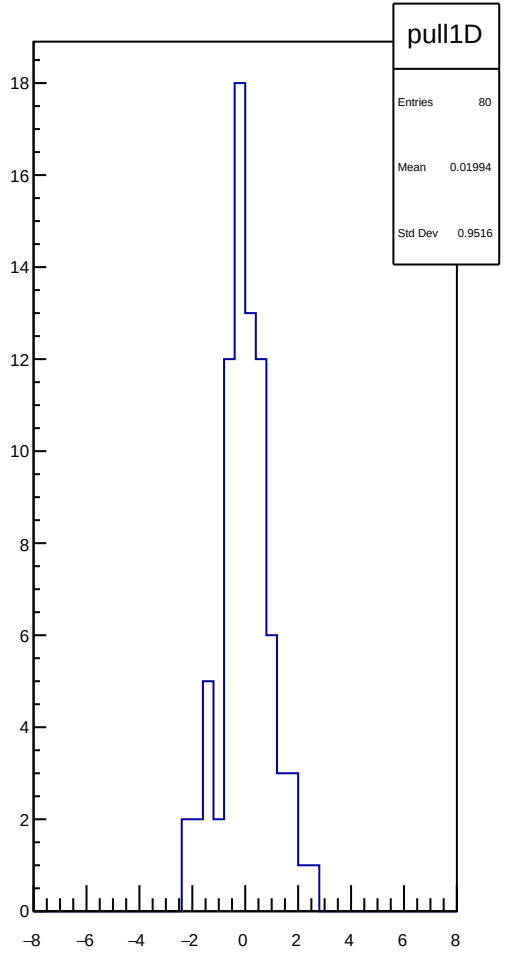

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 759.3 / 79
p0 62.73 ± 0.04967
66
65
64
63
62
61
60
59
58

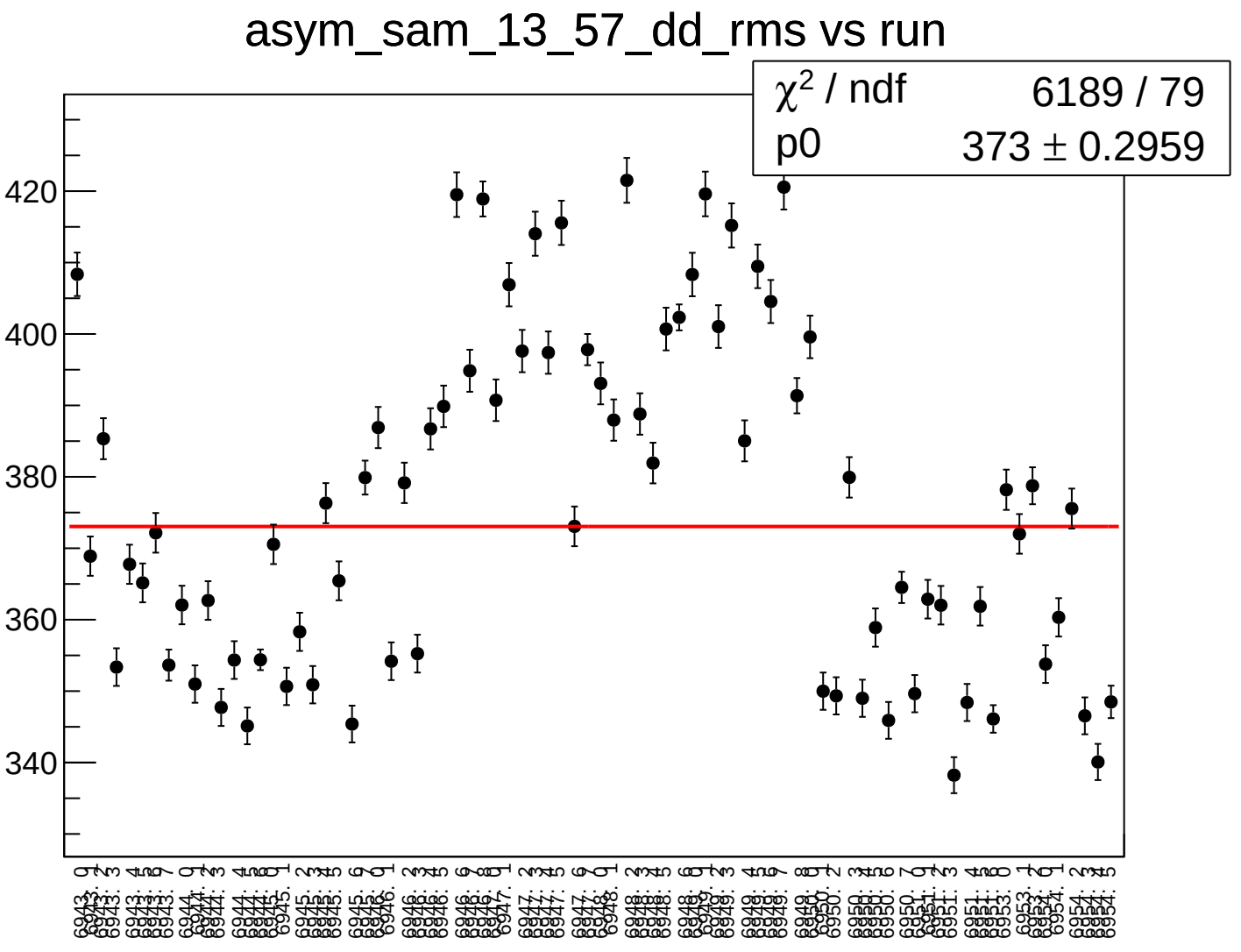

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 71.68 / 79
p0 −1188 ± 432.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −55.86
Std Dev 110.4
2
1
0
−1
−2

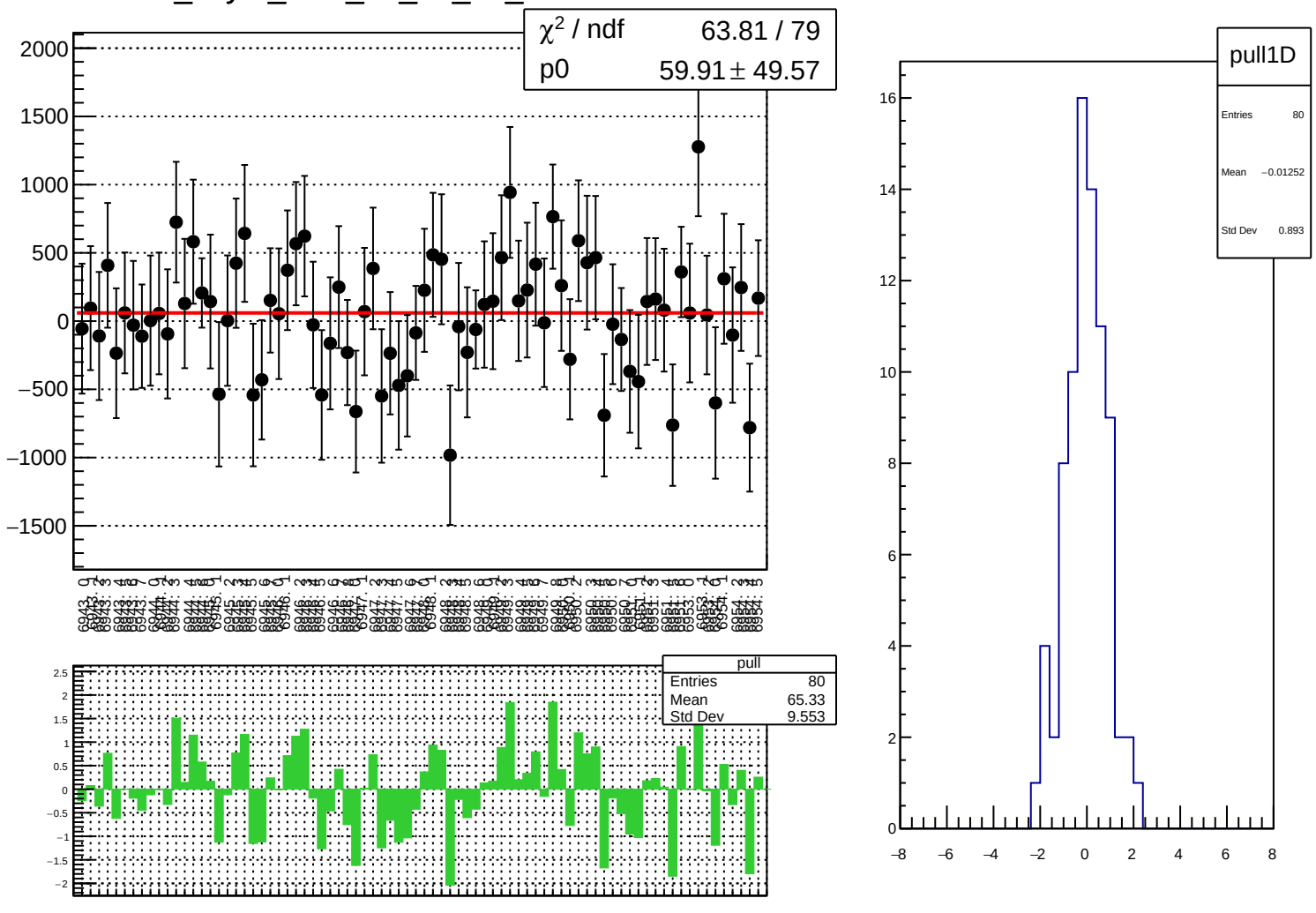

pull1D
Entries 80
Mean −0.01679
Std Dev 0.9464
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

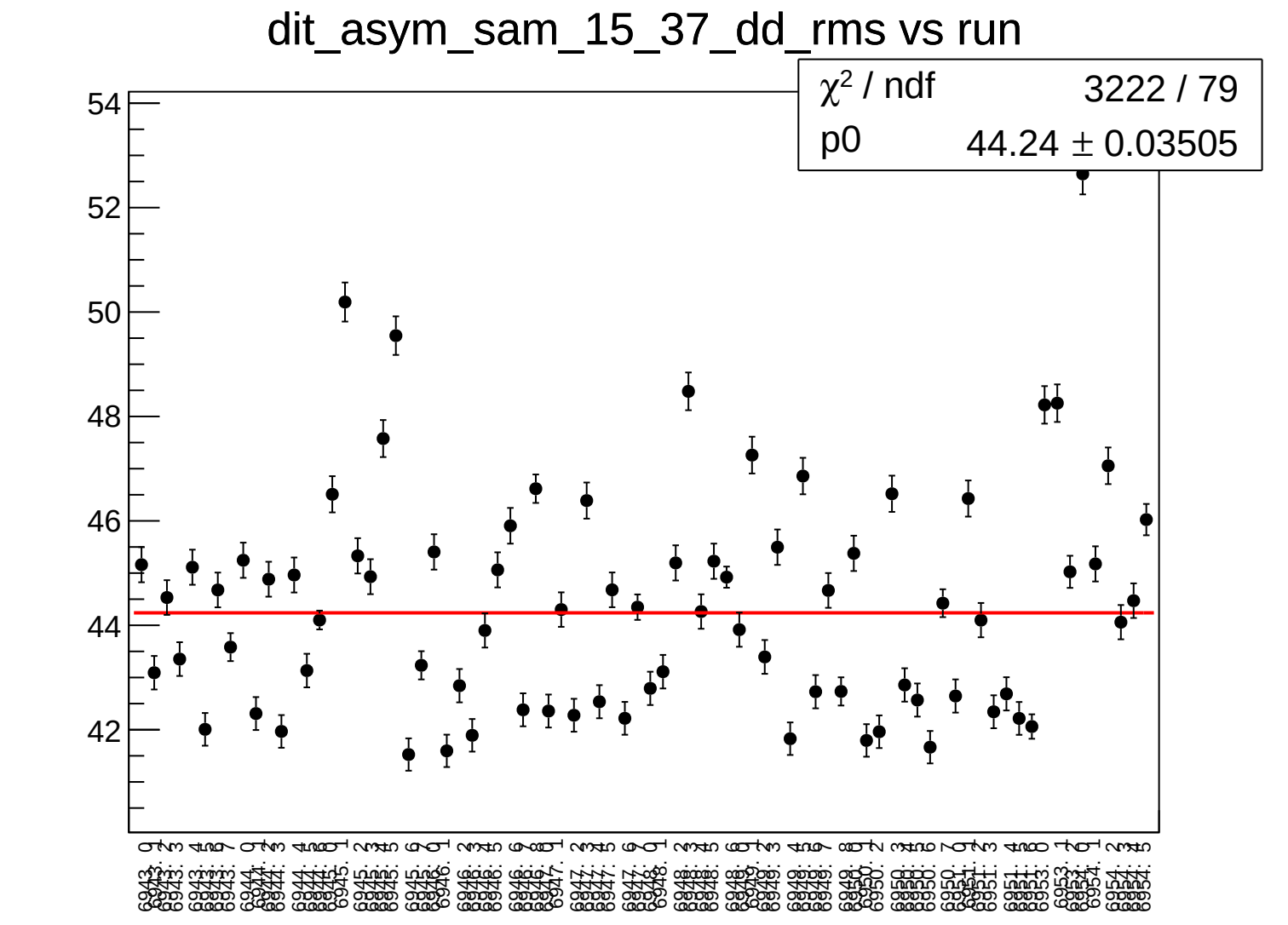

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 5915 / 79
p0 385.5 ± 0.3058
440
420
400
380
360
340

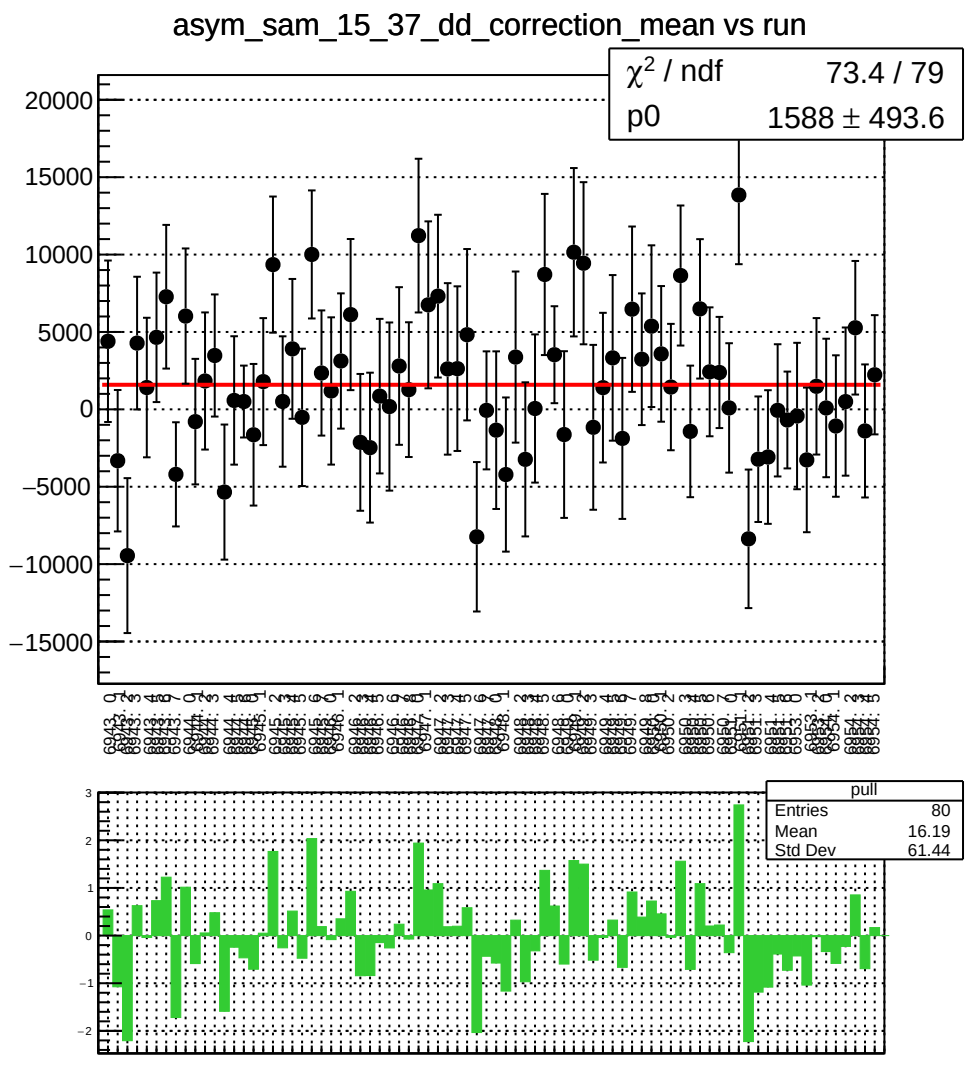

asym_sam_13_57_dd_mean vs run
χ² / ndf 72.48 / 79
p0 957.5 ± 418.4
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −52.28
Std Dev 104
2
1
0
−1
−2

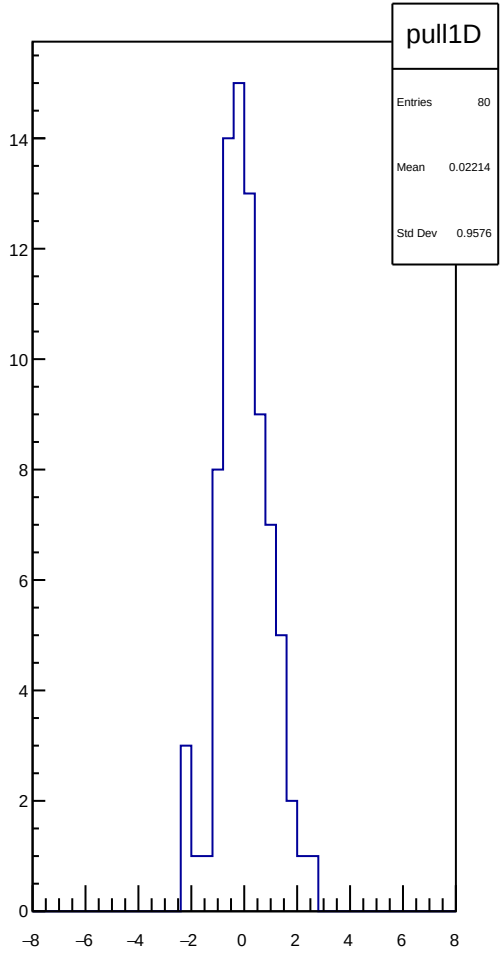

pull1D
Entries 80
Mean 0.01994
Std Dev 0.9516
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

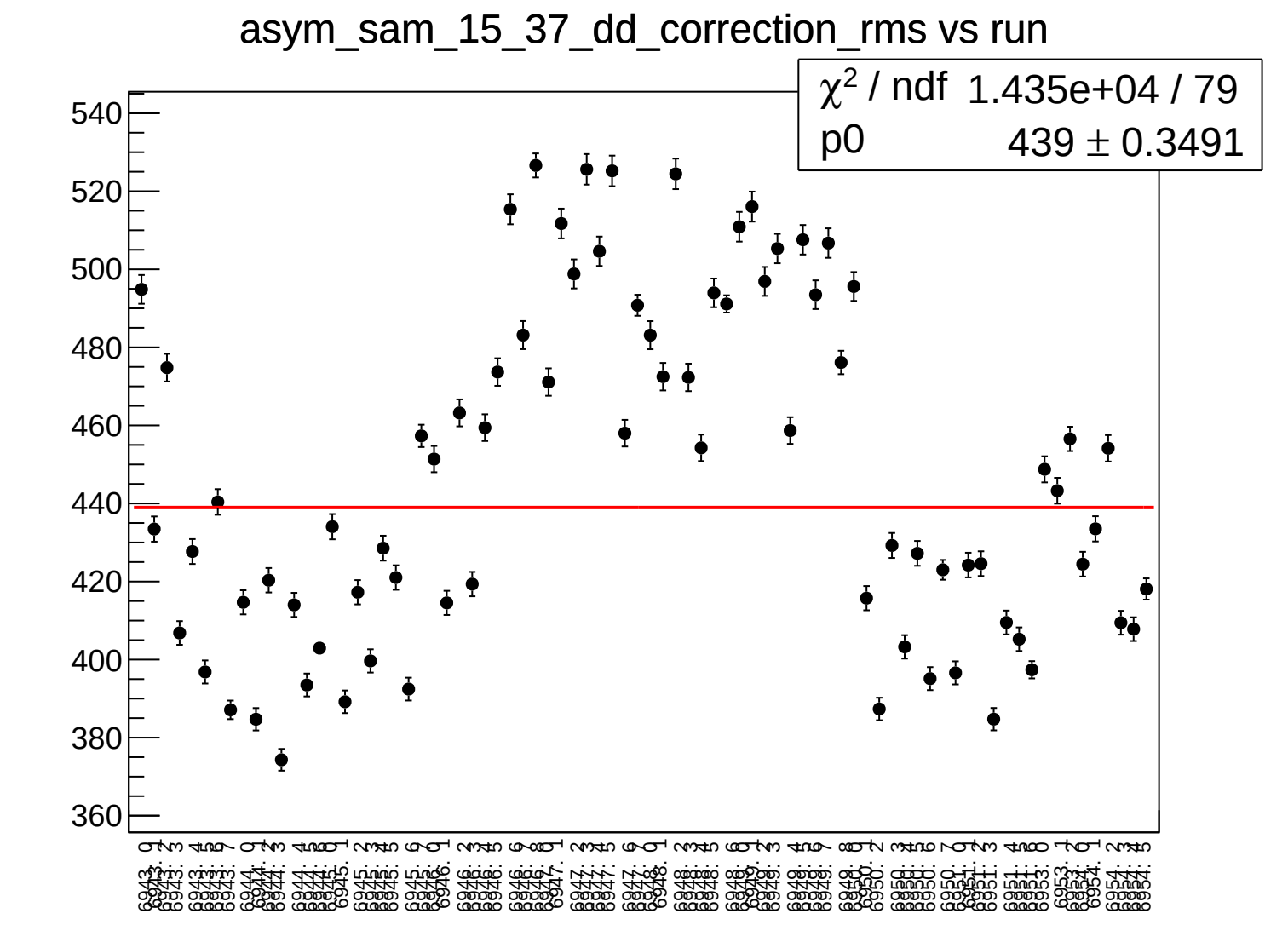

asym_sam_13_57_dd_rms vs run
χ² / ndf 6189 / 79
p0 373 ± 0.2959
420
400
380
360
340

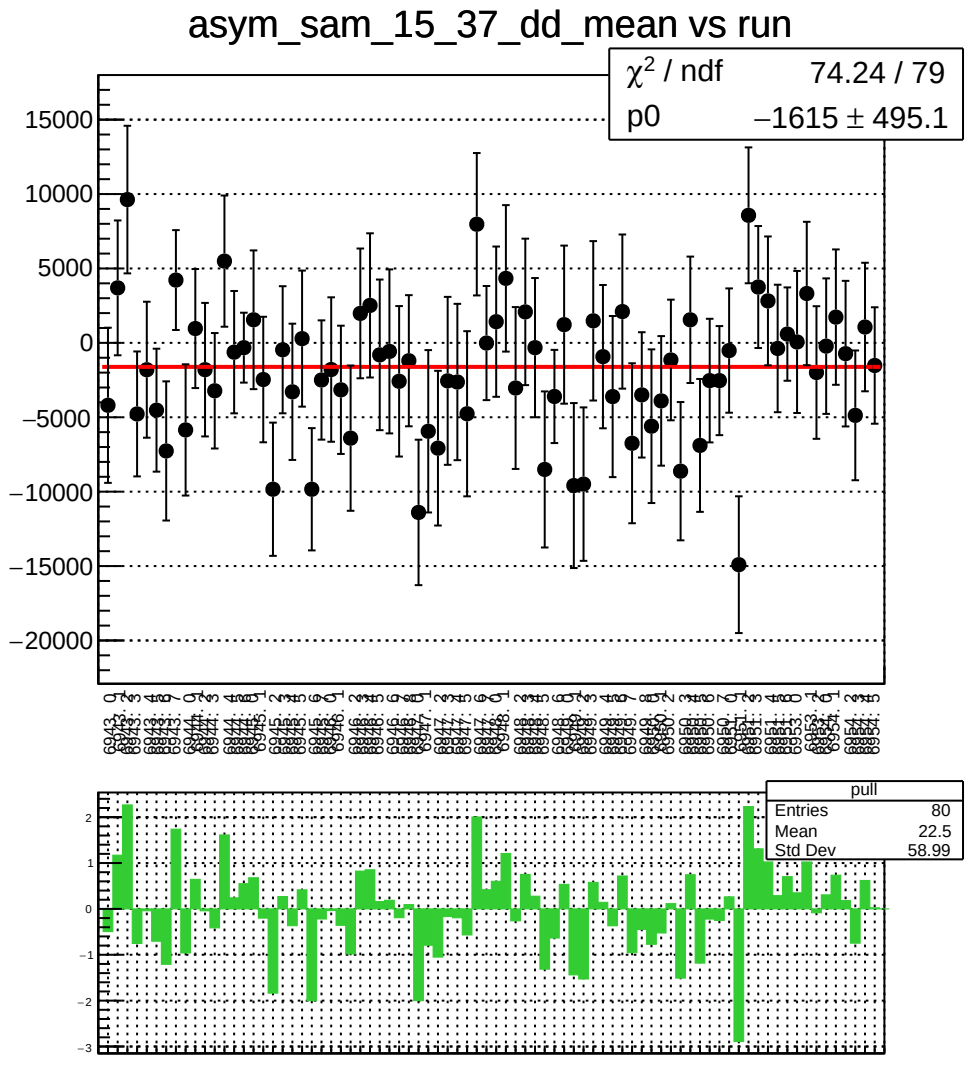

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 63.81 / 79
p0 59.91 ± 49.57
pull
Entries 80
Mean 65.33
Std Dev 9.553
pull1D
Entries 80
Mean −0.01252
Std Dev 0.893

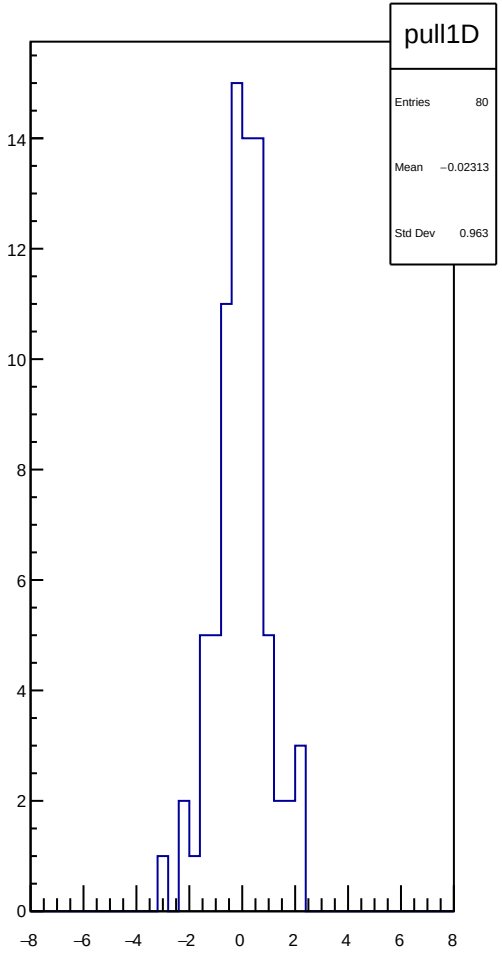

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 3222 / 79
p0 44.24 ± 0.03505
54
52
50
48
46
44
42


asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 73.4 / 79
p0 1588 ± 493.6
pull
Entries 80
Mean 16.19
Std Dev 61.44

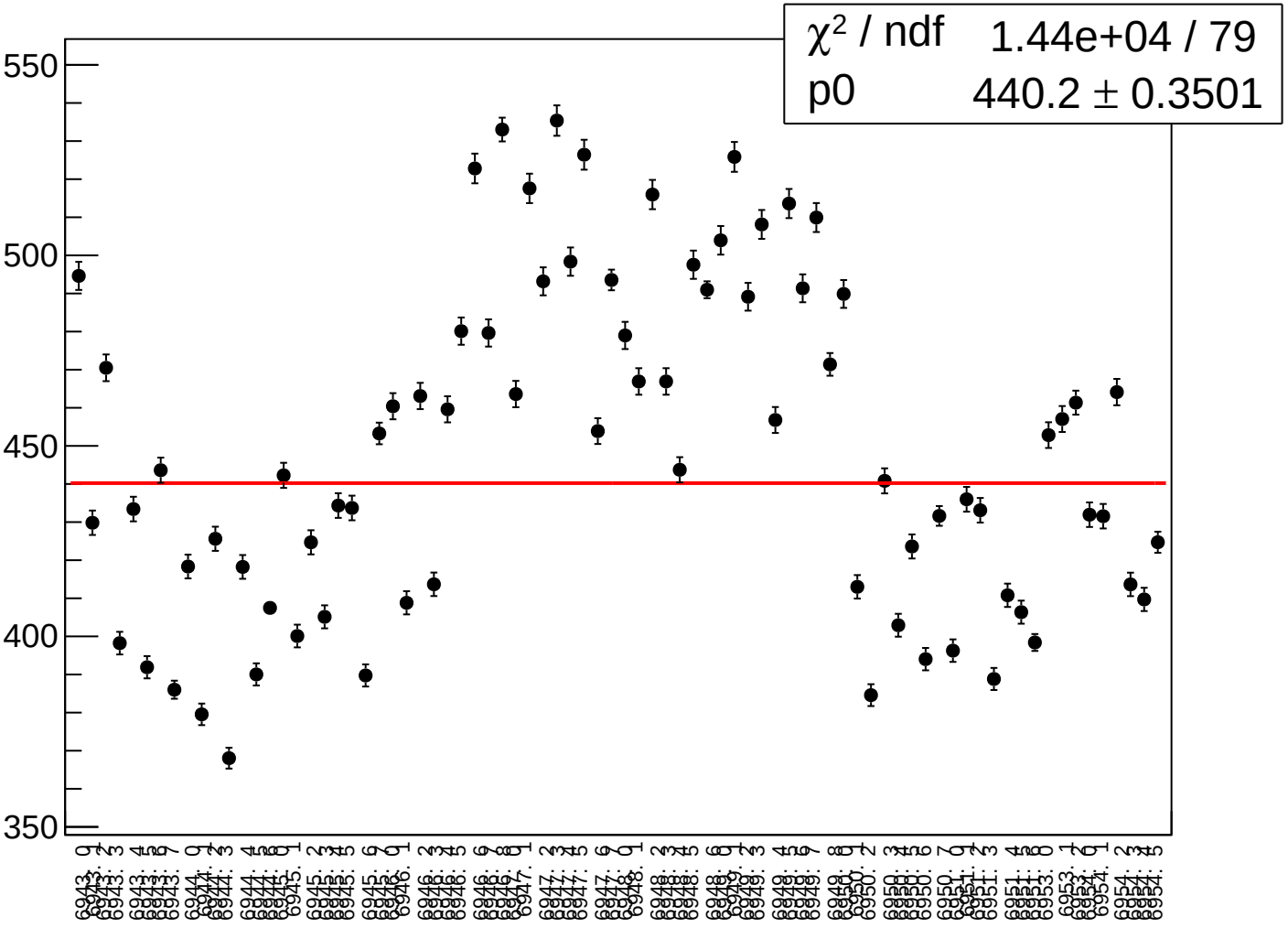

pull1D
Entries 80
Mean 0.02214
Std Dev 0.9576

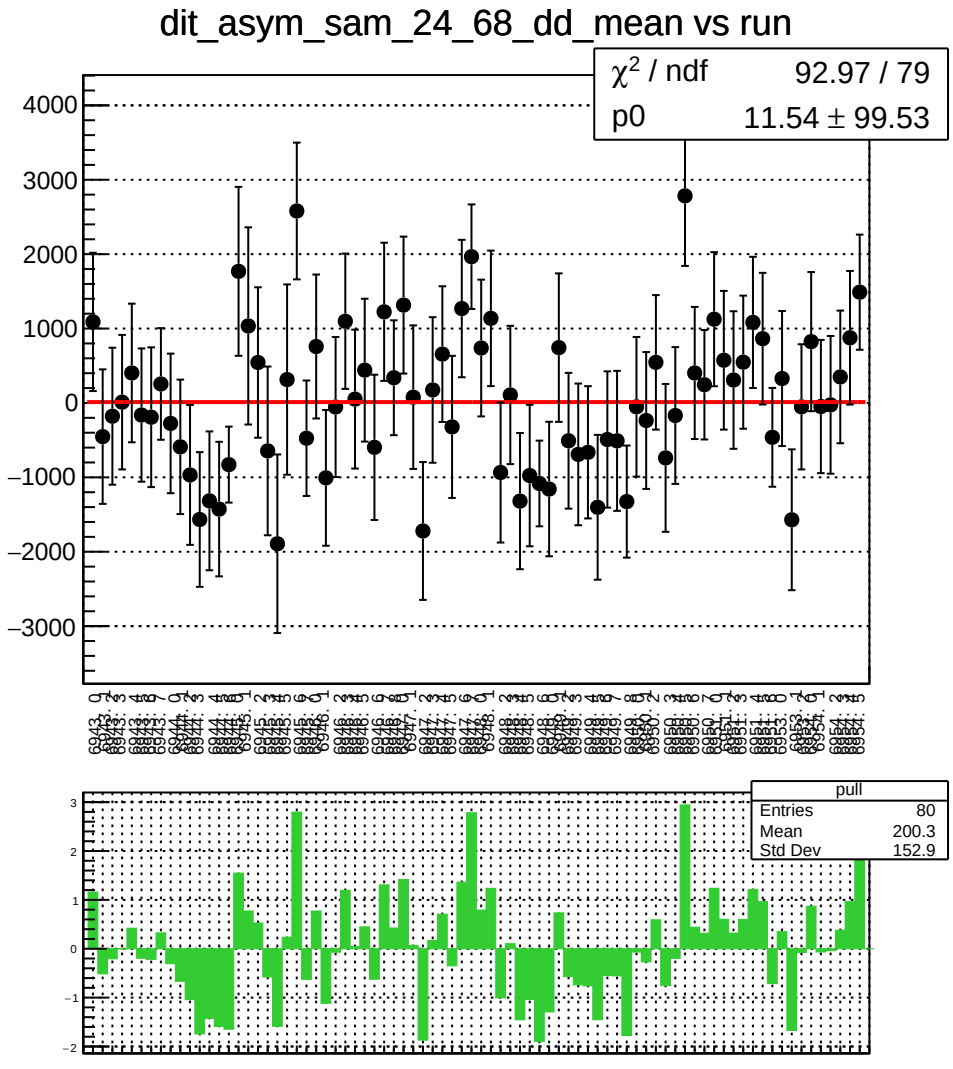

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.435e+04 / 79
p0 439 ± 0.3491
540
520
500
480
460
440
420
400
380
360

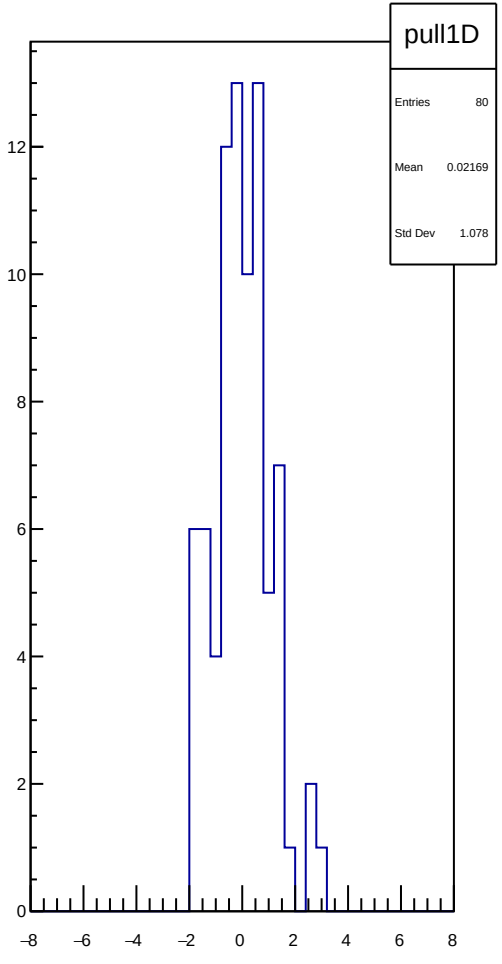

asym_sam_15_37_dd_mean vs run
χ² / ndf 74.24 / 79
p0 −1615 ± 495.1
pull
Entries 80
Mean 22.5
Std Dev 58.99

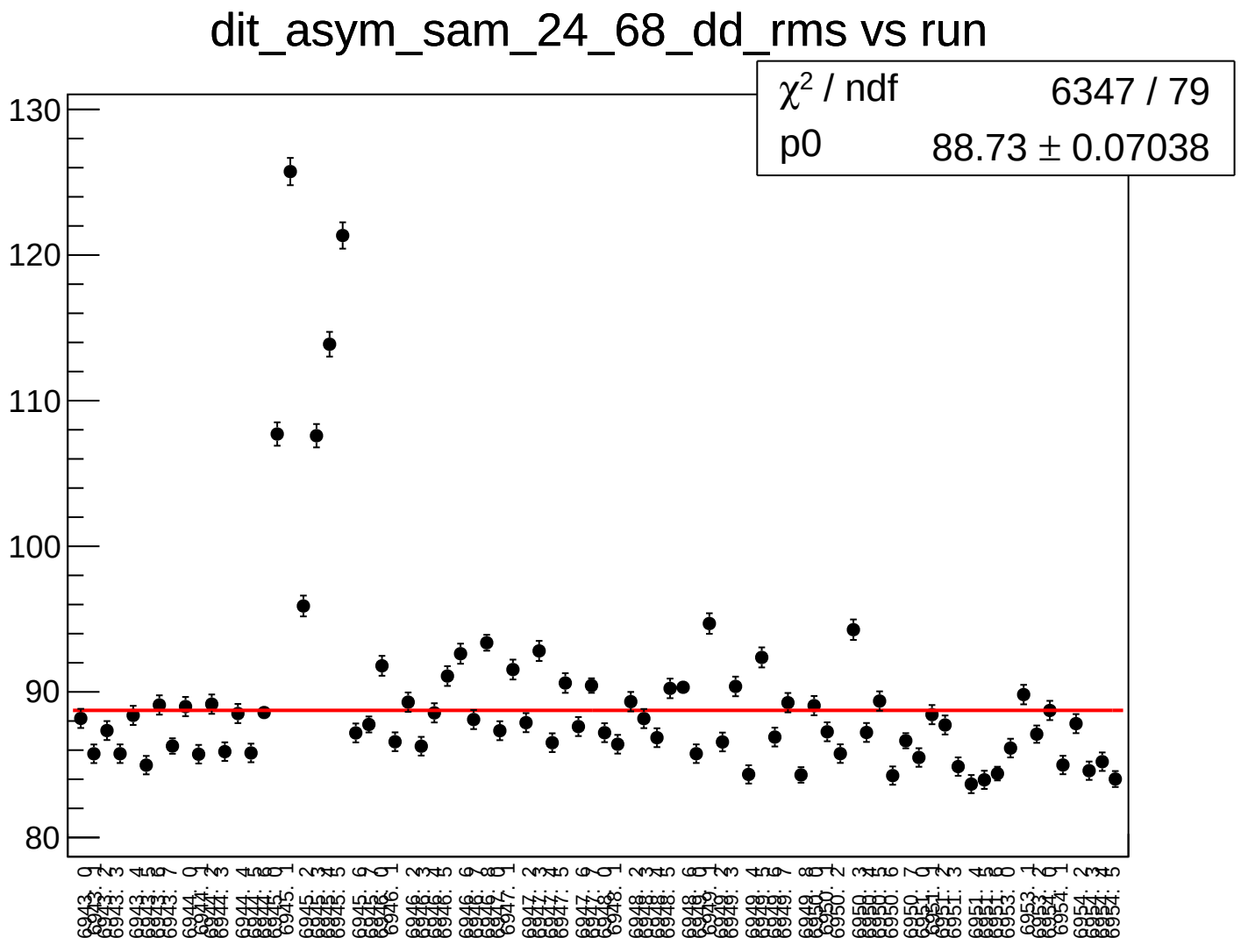

pull1D
Entries 80
Mean −0.02313
Std Dev 0.963

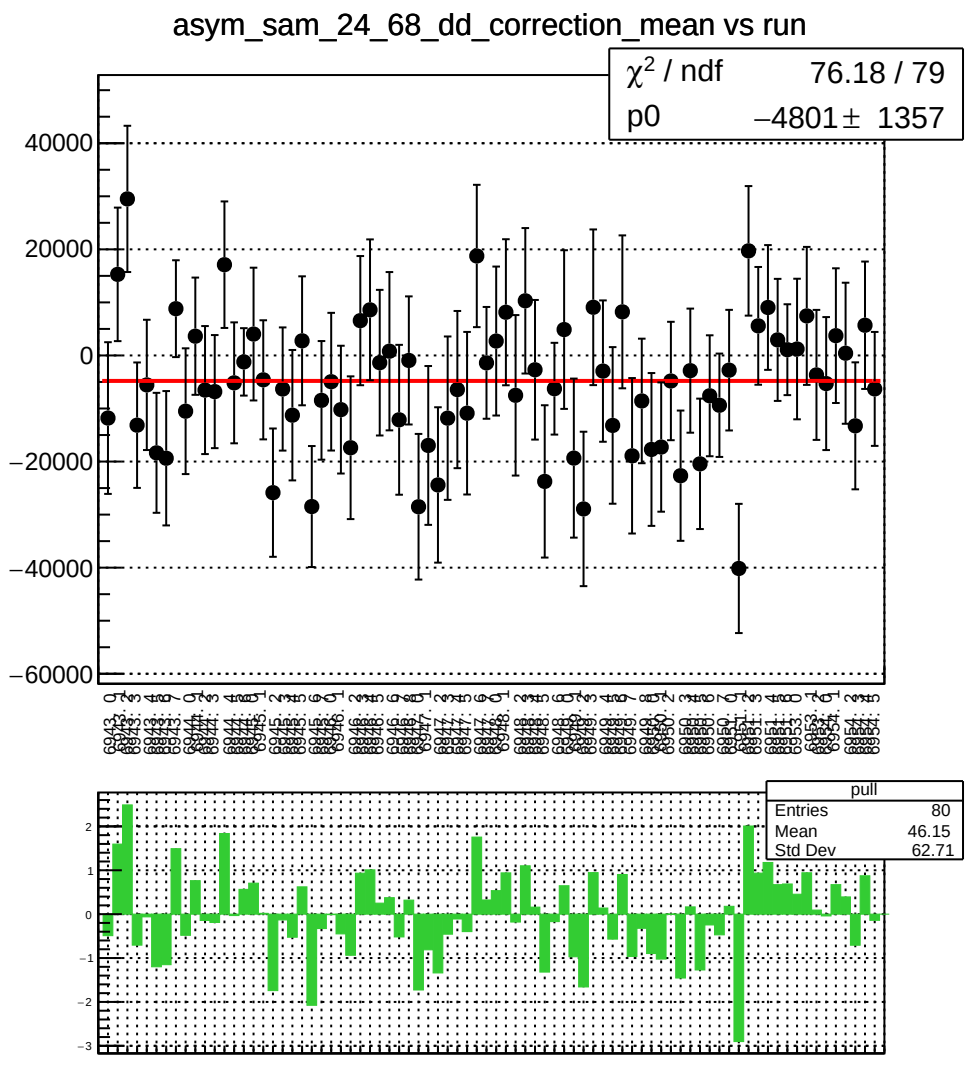
asym_sam_15_37_dd_rms vs run

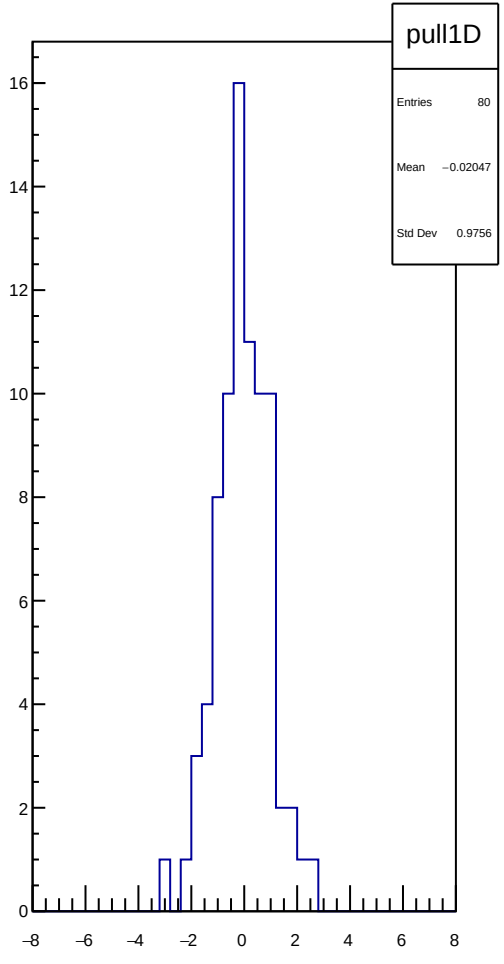


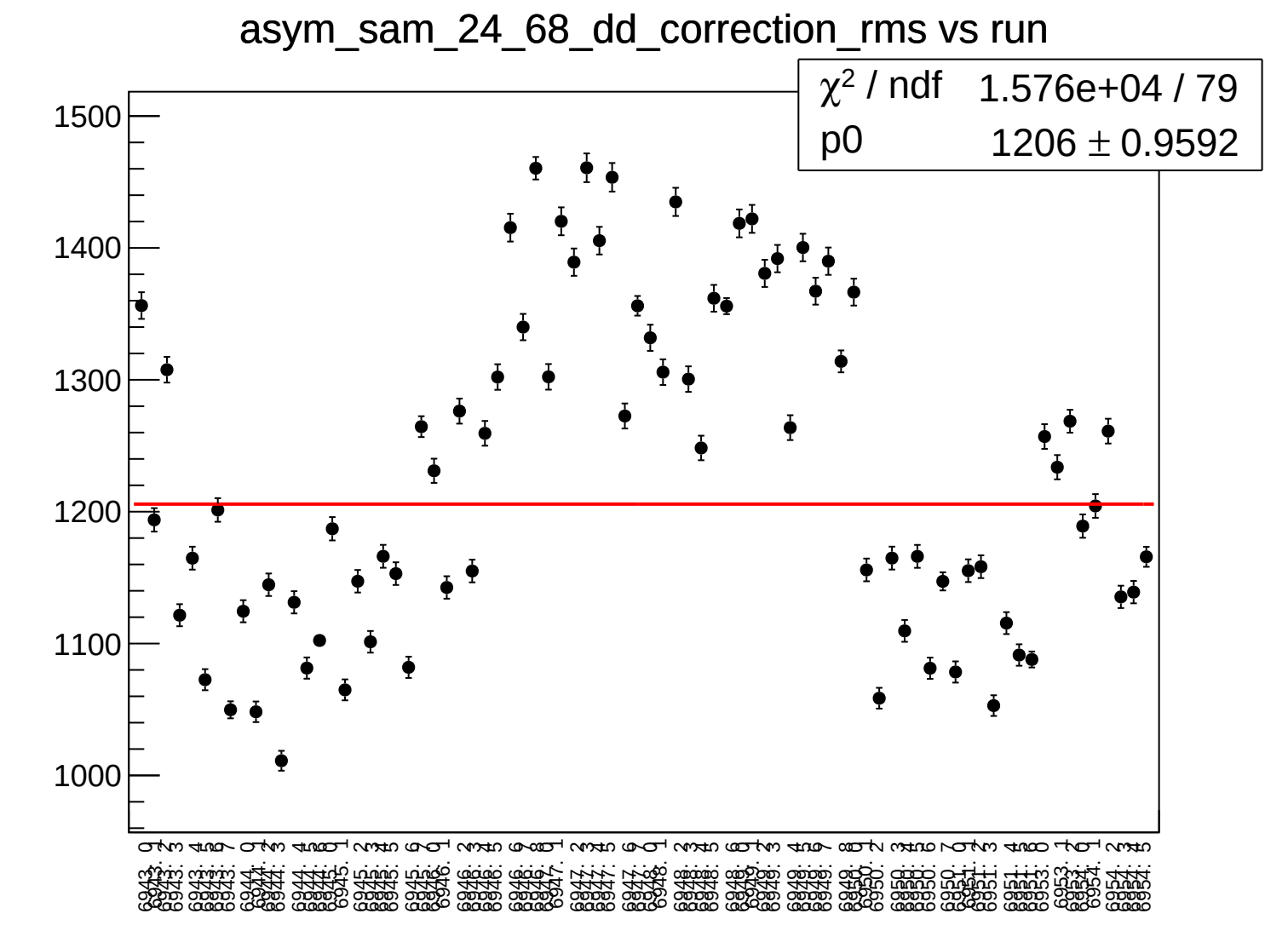

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 92.97 / 79
p0 11.54 ± 99.53
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean 200.3
Std Dev 152.9
3
2
1
0
−1
−2

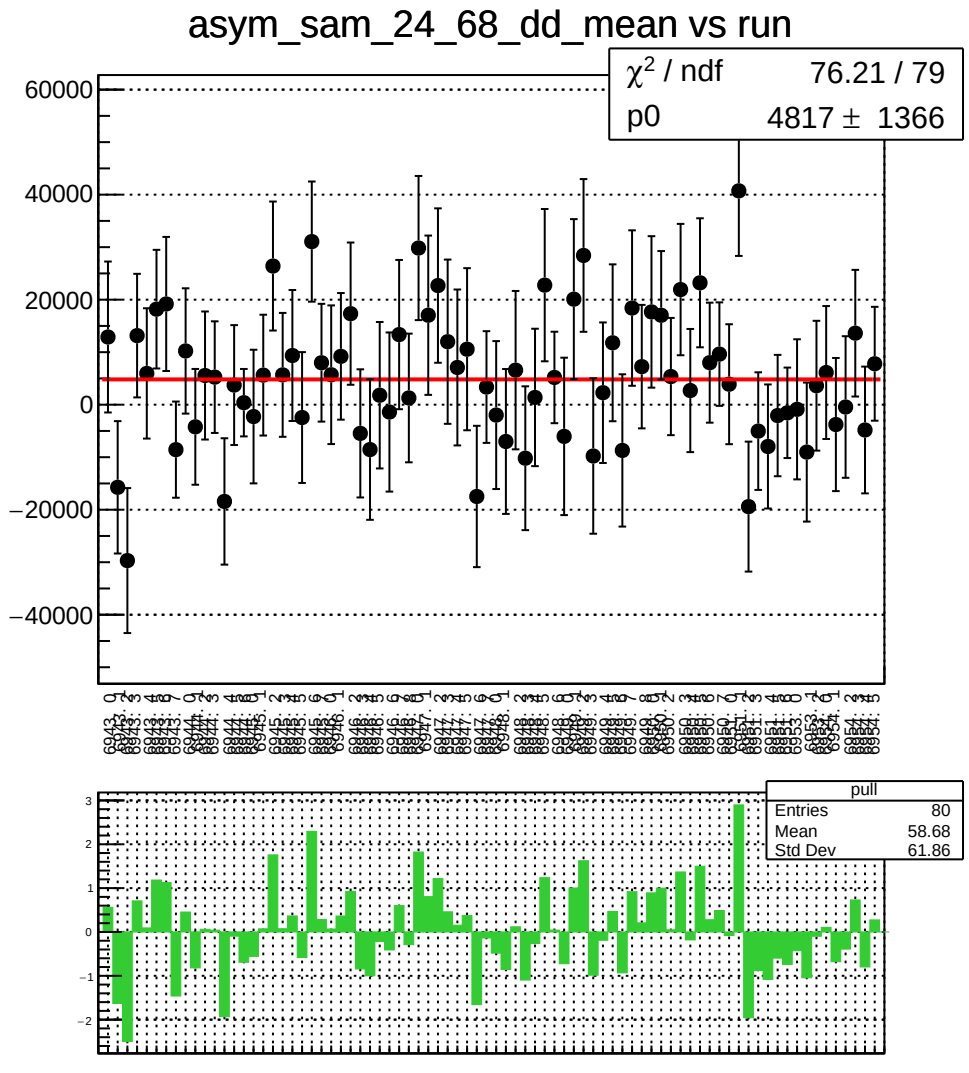

pull1D
Entries 80
Mean 0.02169
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

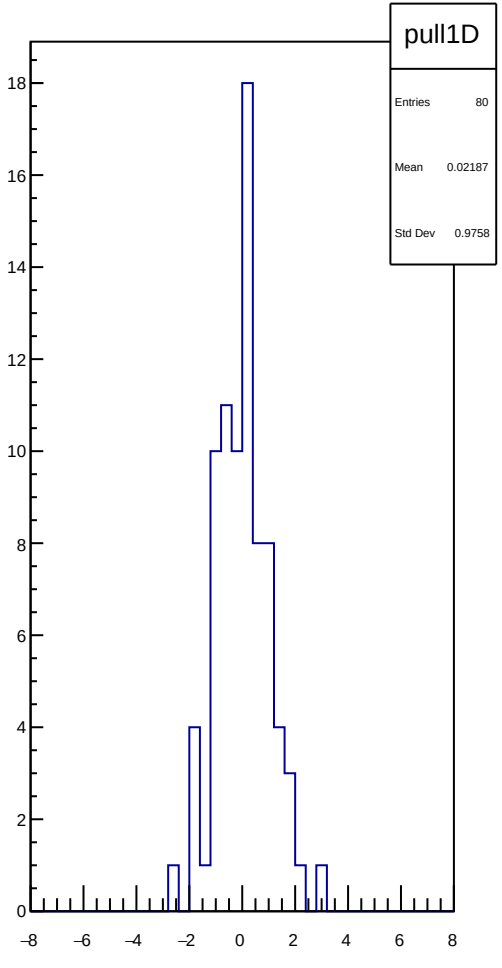

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 6347 / 79
p0 88.73 ± 0.07038
130
120
110
100
90
80

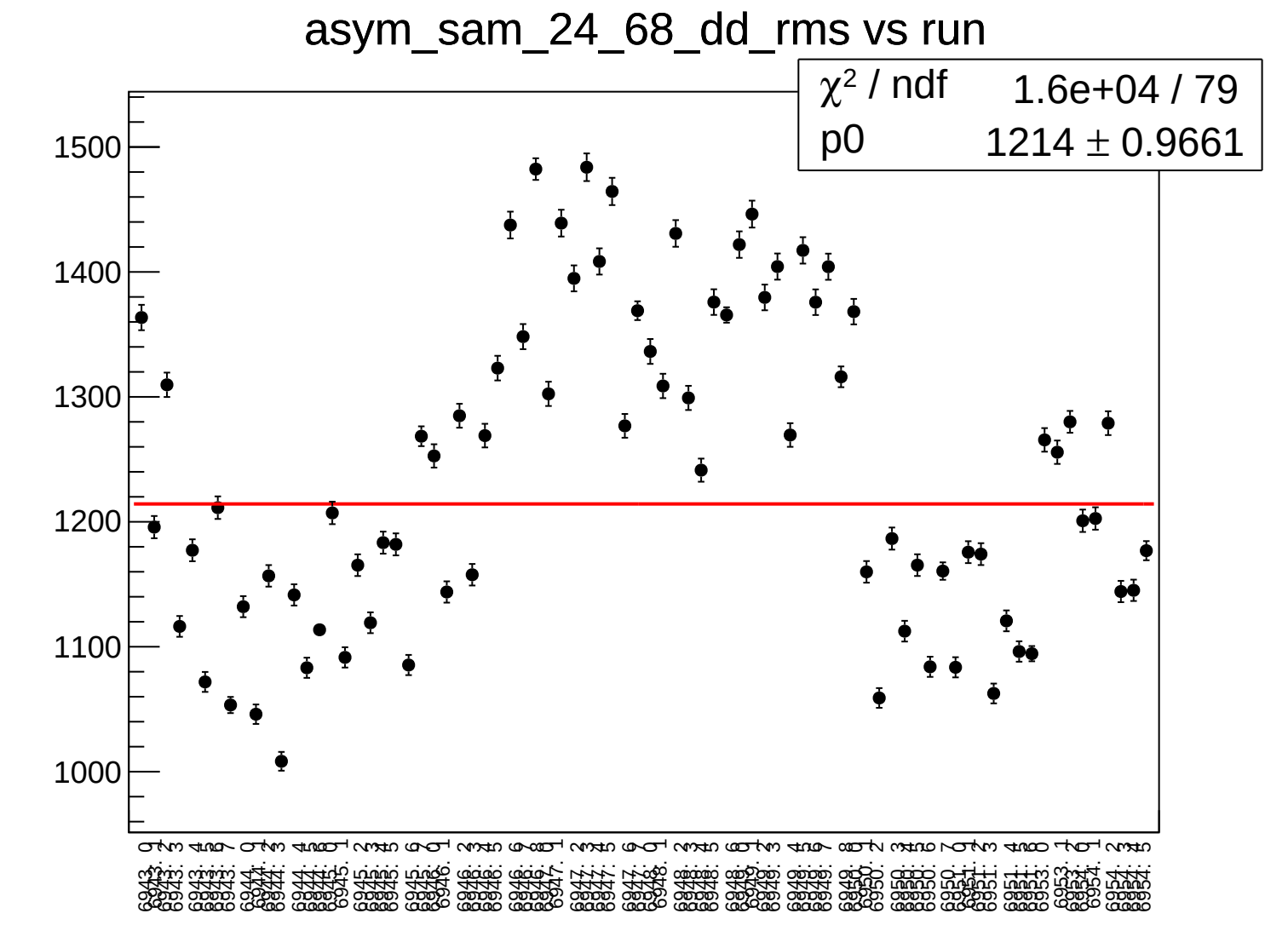

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 76.18 / 79
p0 −4801 ± 1357
pull
Entries 80
Mean 46.15
Std Dev 62.71

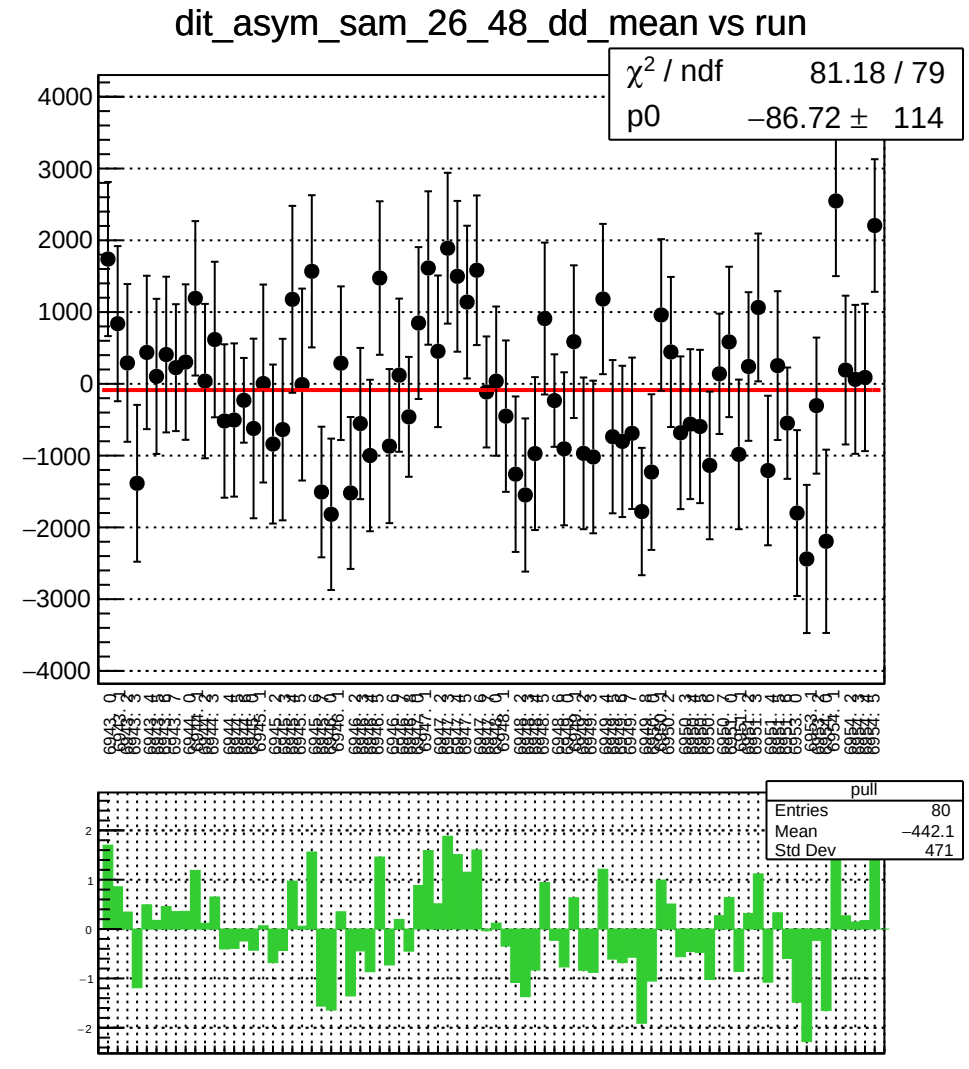

pull1D
Entries 80
Mean −0.02047
Std Dev 0.9756

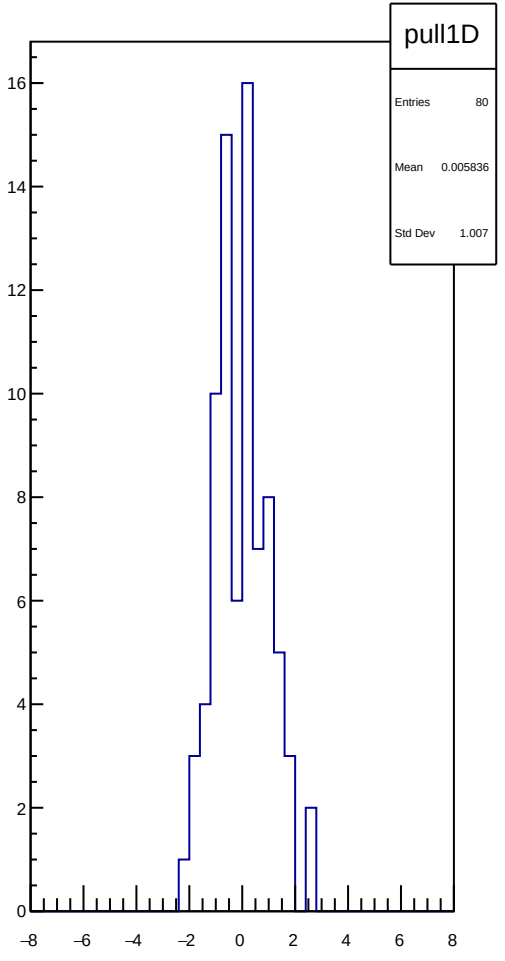

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.576e+04 / 79
p0 1206 ± 0.9592
1500
1400
1300
1200
1100
1000

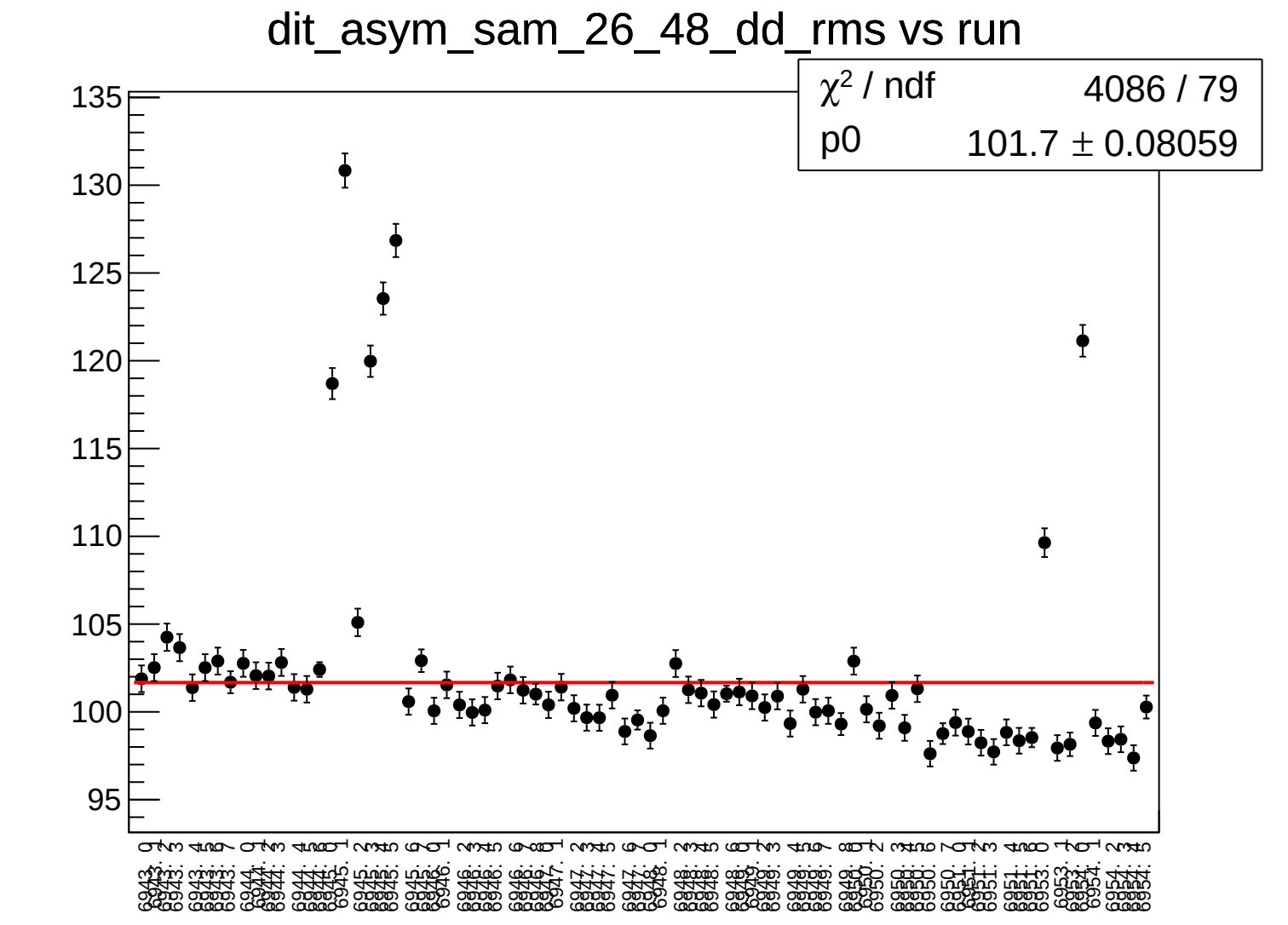

asym_sam_24_68_dd_mean vs run
χ² / ndf 76.21 / 79
p0 4817 ± 1366
pull
Entries 80
Mean 58.68
Std Dev 61.86

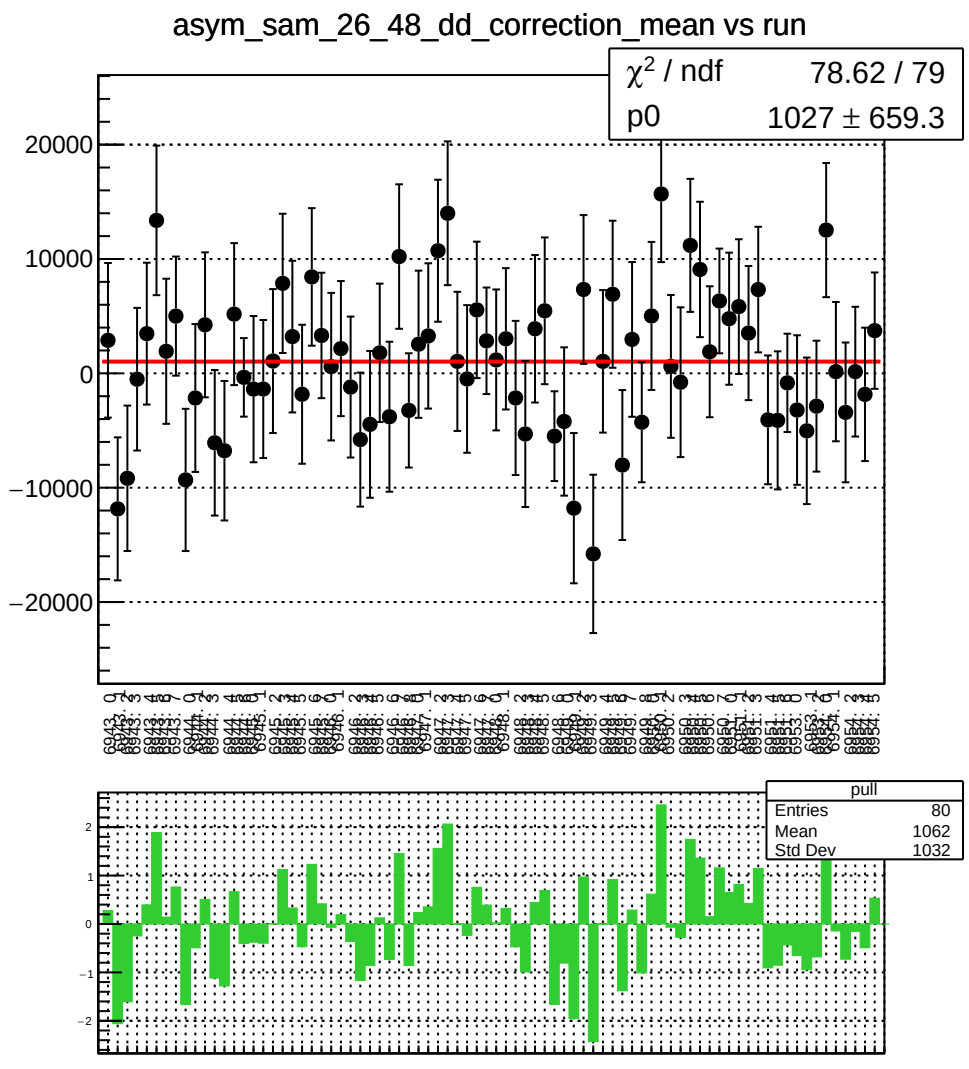

pull1D
Entries 80
Mean 0.02187
Std Dev 0.9758

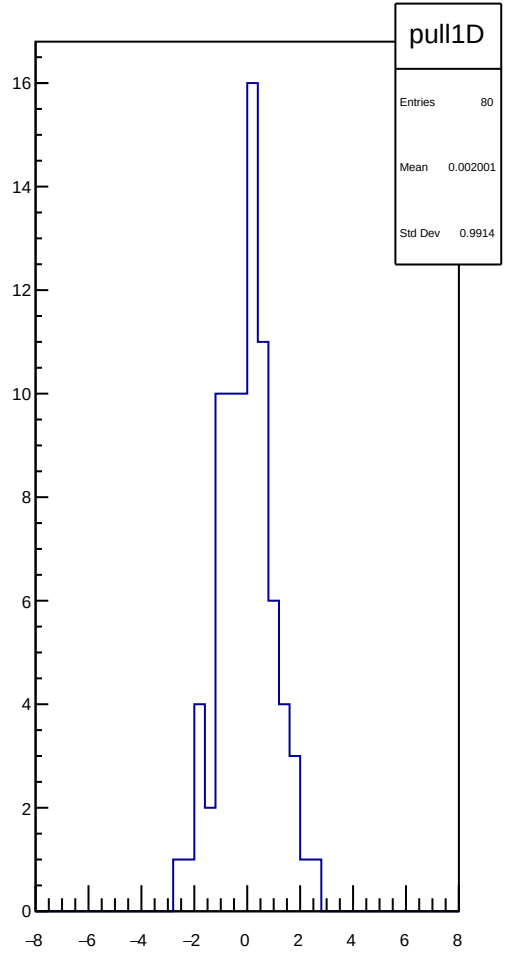

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.6e+04 / 79
p0 1214 ± 0.9661
1500
1400
1300
1200
1100
1000

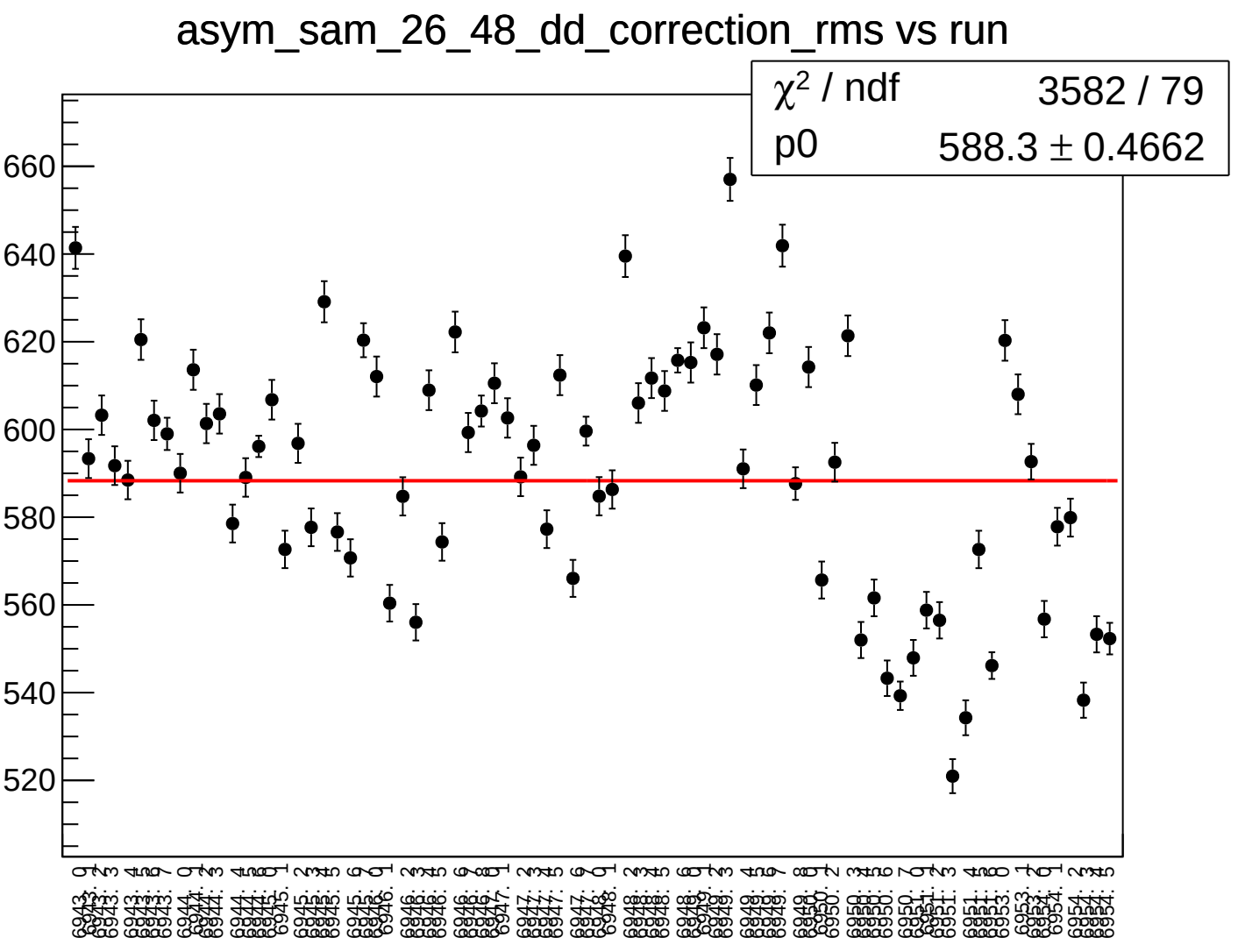

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 81.18 / 79
p0 −86.72 ± 114
pull
Entries 80
Mean −442.1
Std Dev 471

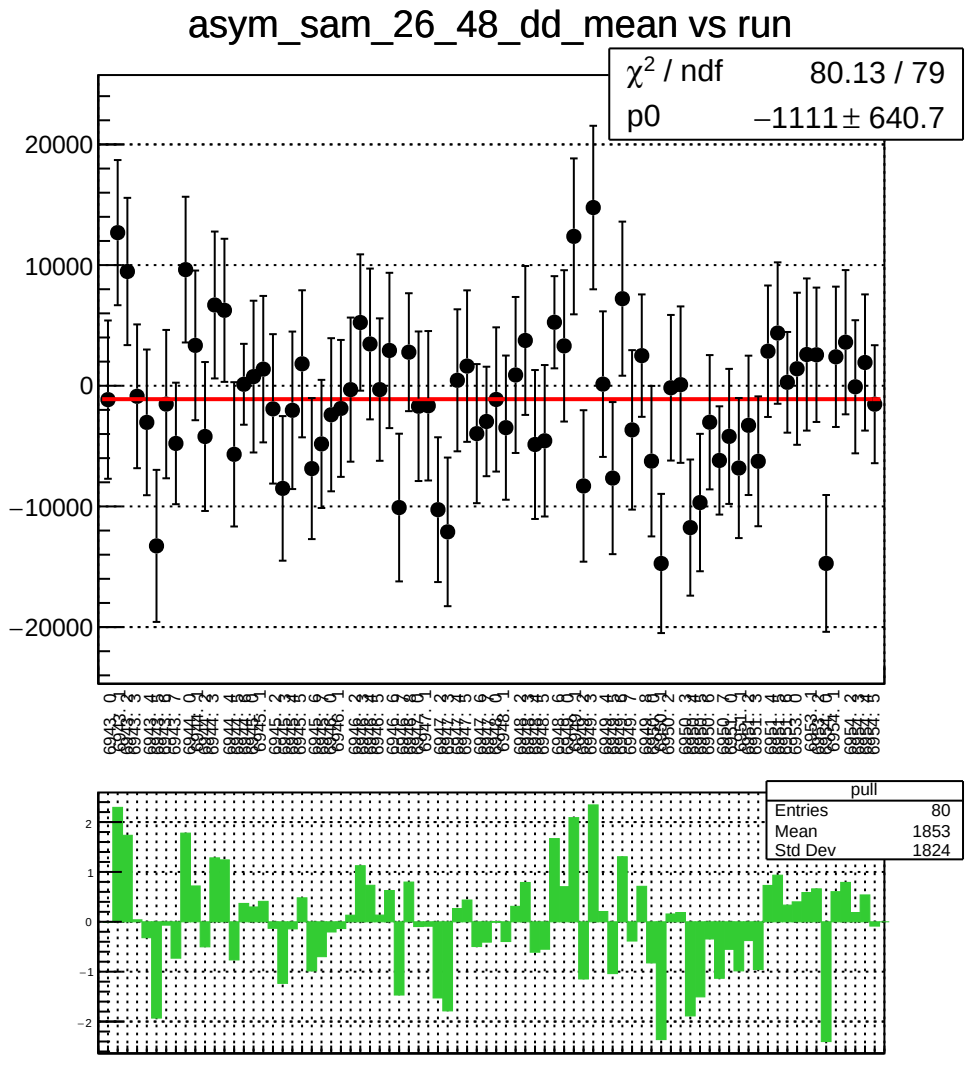

pull1D
Entries 80
Mean 0.005836
Std Dev 1.007

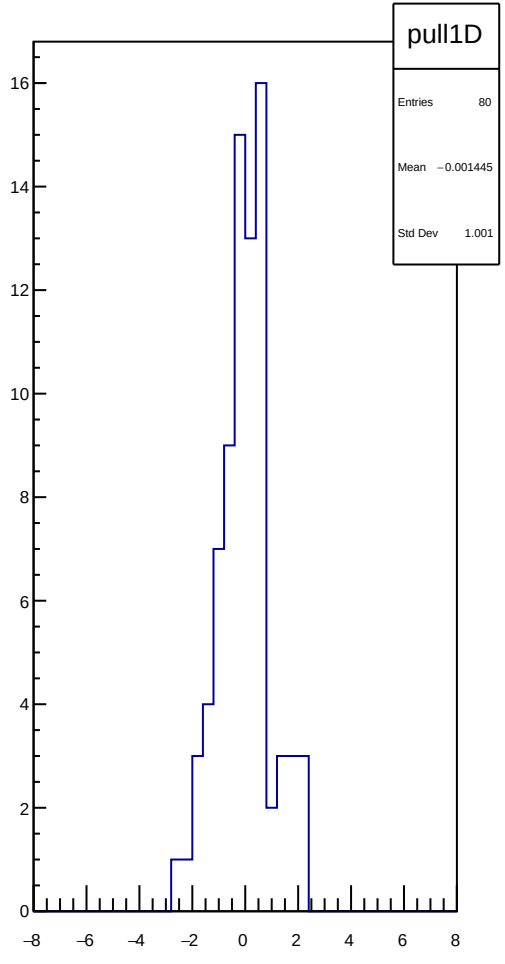

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 4086 / 79
p0 101.7 ± 0.08059
135
130
125
120
115
110
105
100
95

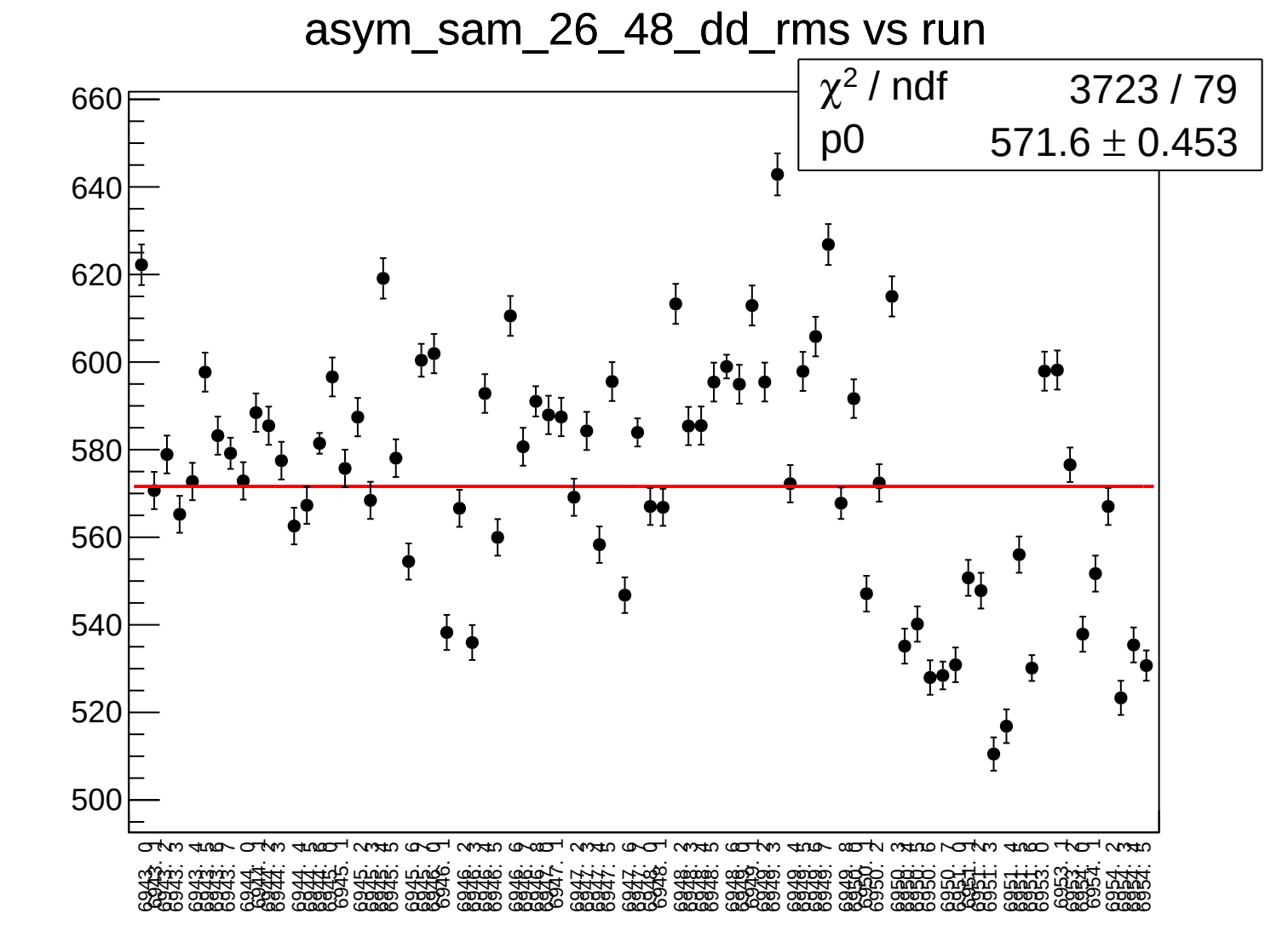

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 78.62 / 79
p0 1027 ± 659.3
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 1062
Std Dev 1032
2
1
0
−1
−2

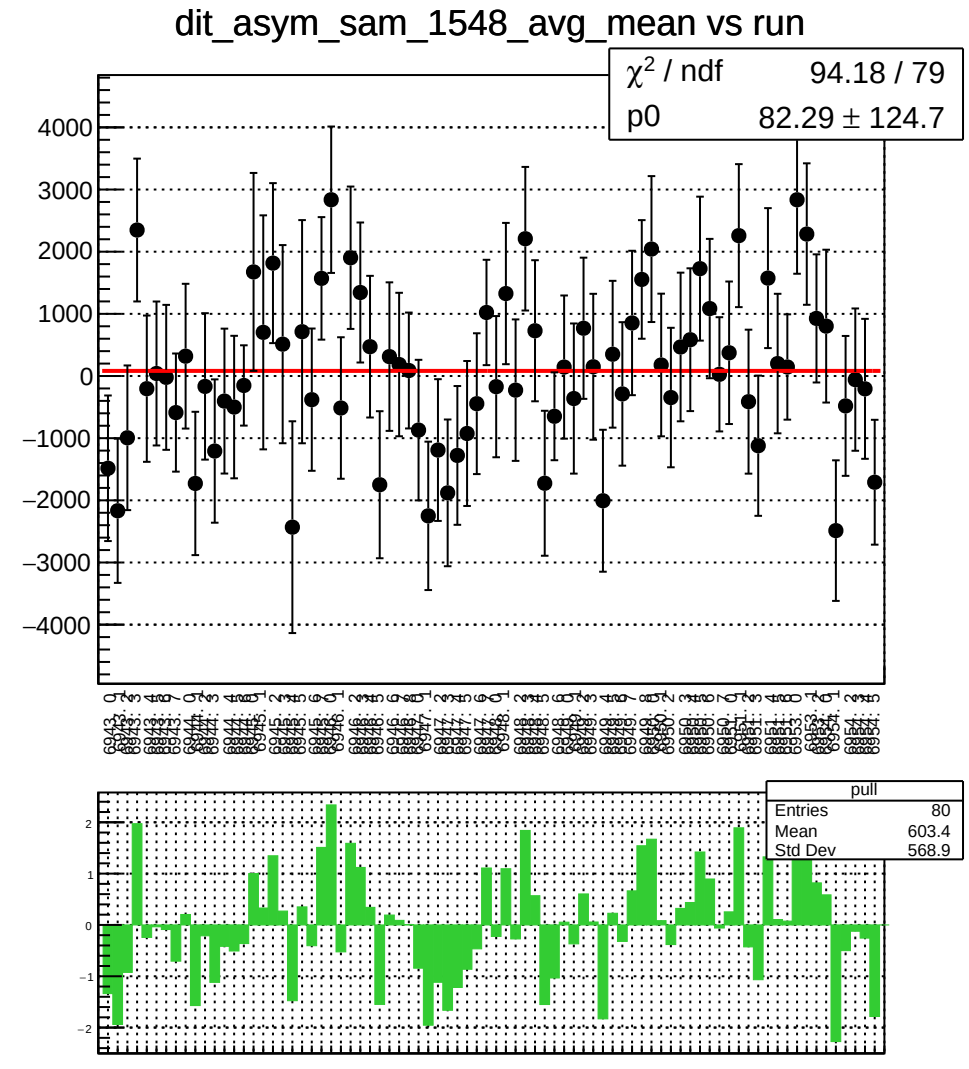

pull1D
Entries 80
Mean 0.002001
Std Dev 0.9914
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

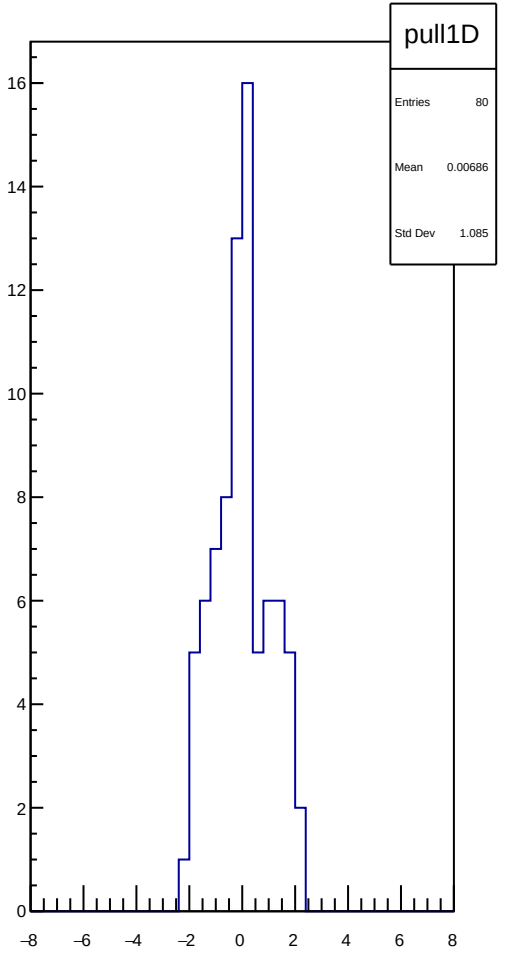

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3582 / 79
p0 588.3 ± 0.4662
660
640
620
600
580
560
540
520

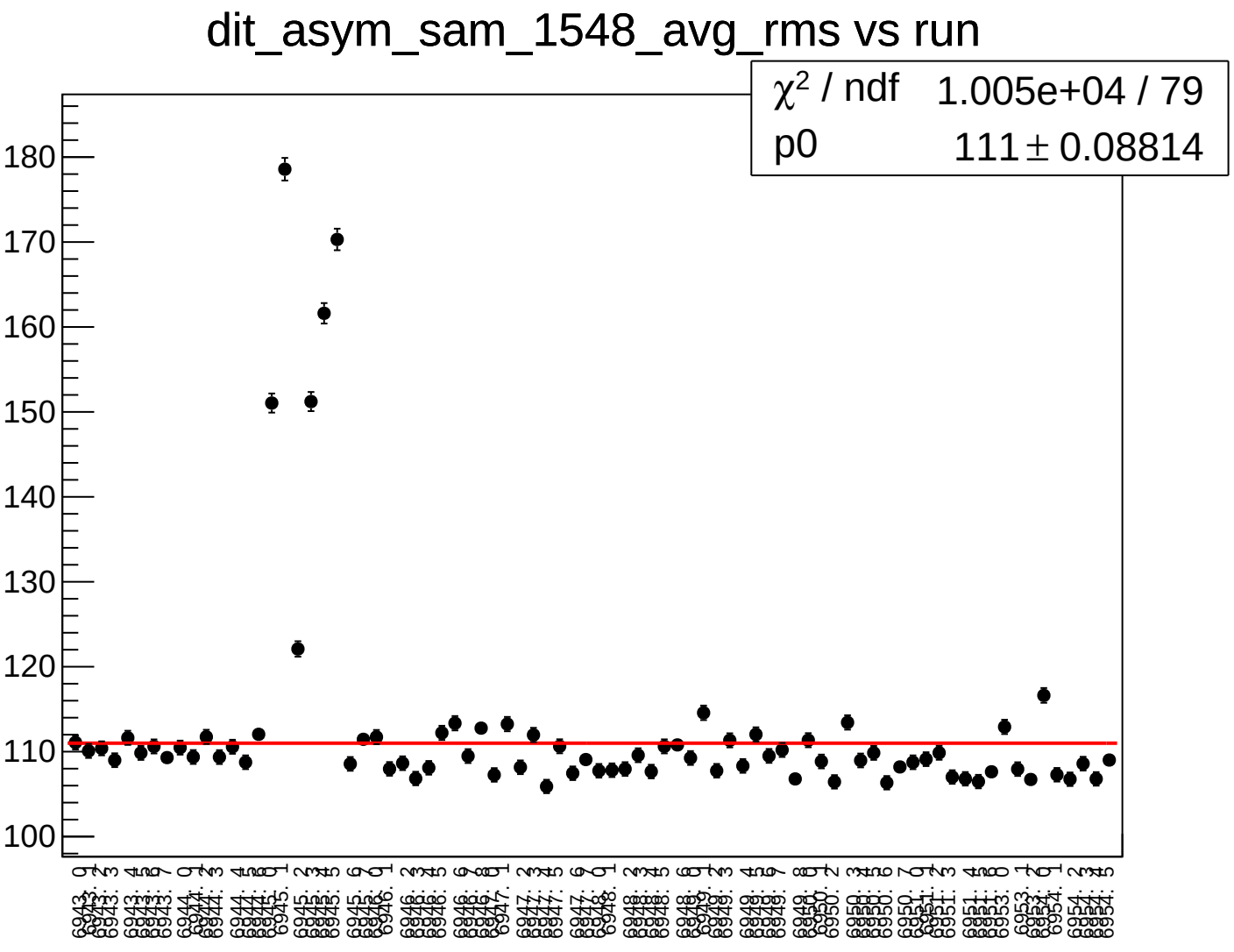

asym_sam_26_48_dd_mean vs run
χ² / ndf 80.13 / 79
p0 −1111 ± 640.7
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 1853
Std Dev 1824
2
1
0
−1
−2

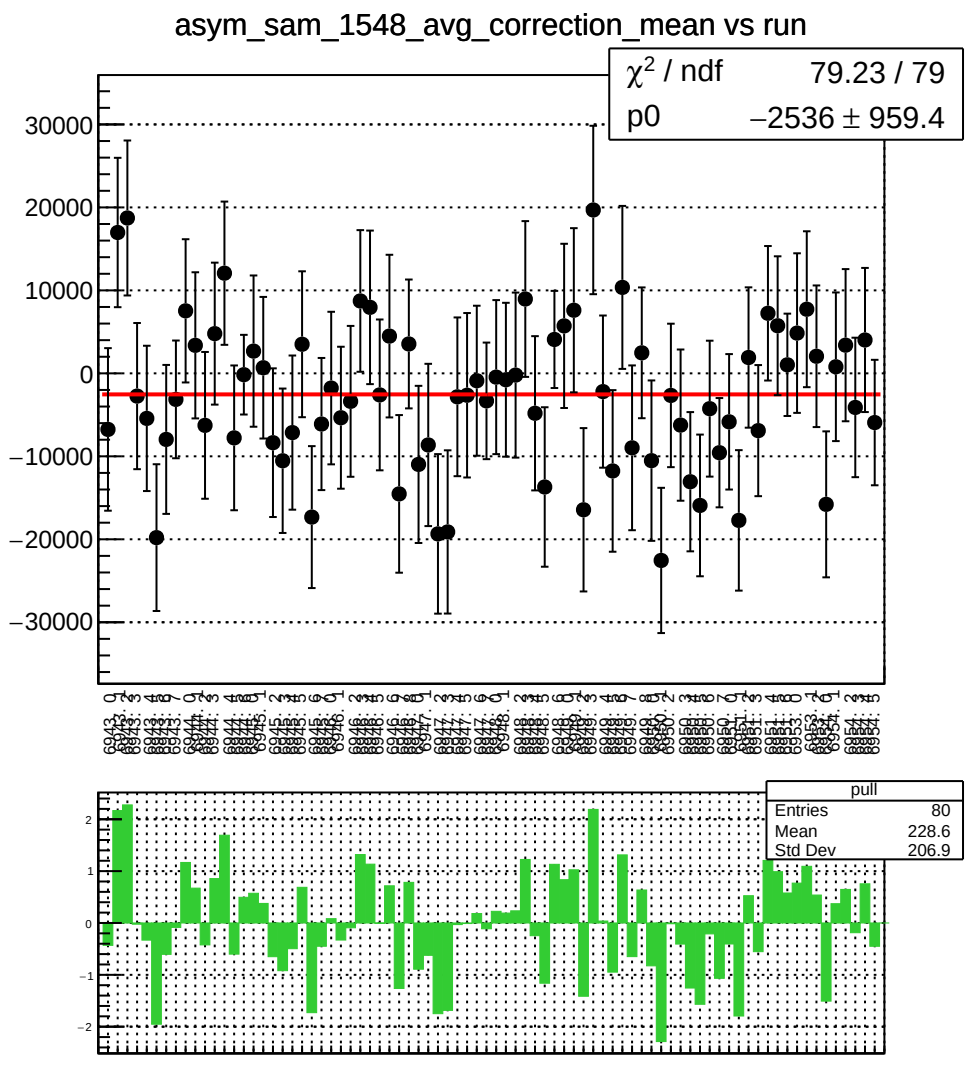

pull1D
Entries 80
Mean −0.001445
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

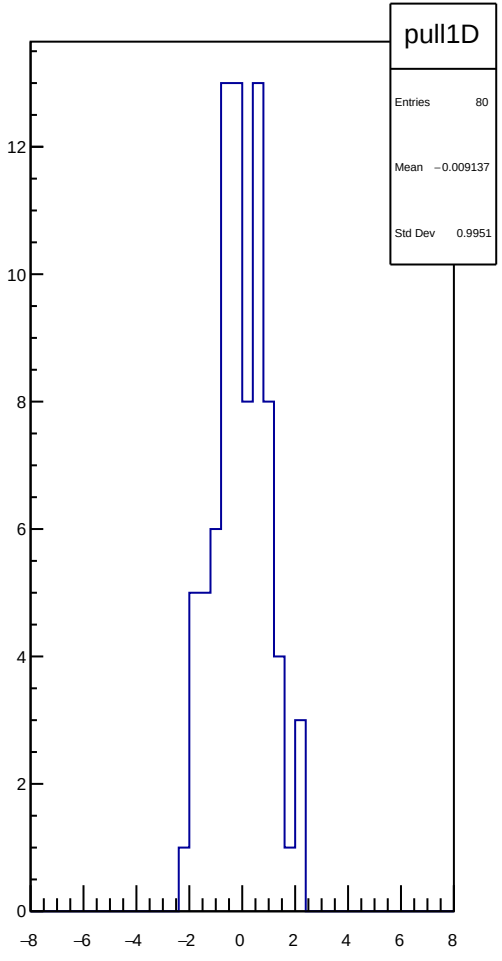

asym_sam_26_48_dd_rms vs run
χ² / ndf 3723 / 79
p0 571.6 ± 0.453
660
640
620
600
580
560
540
520
500

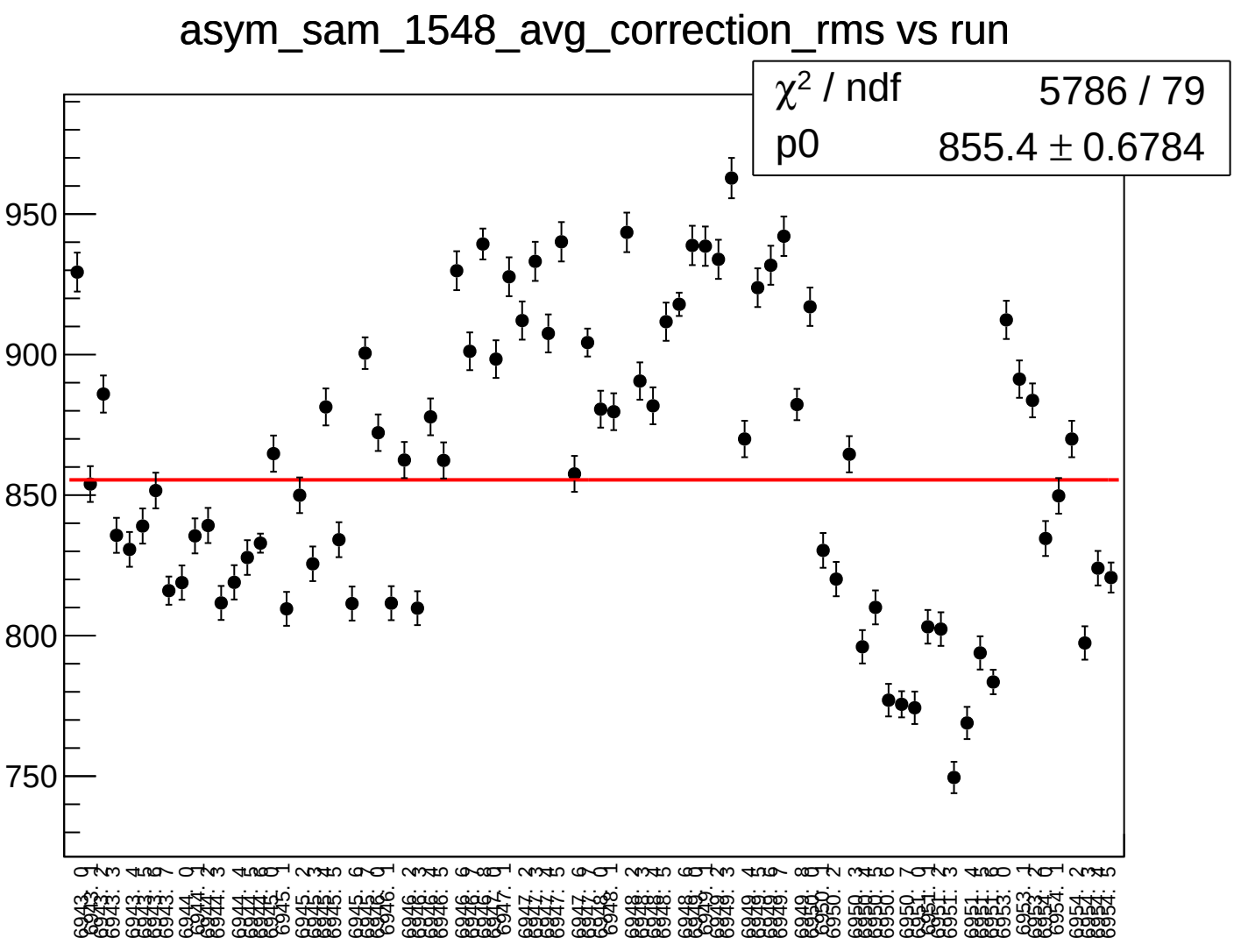

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 94.18 / 79
p0 82.29 ± 124.7
pull
Entries 80
Mean 603.4
Std Dev 568.9

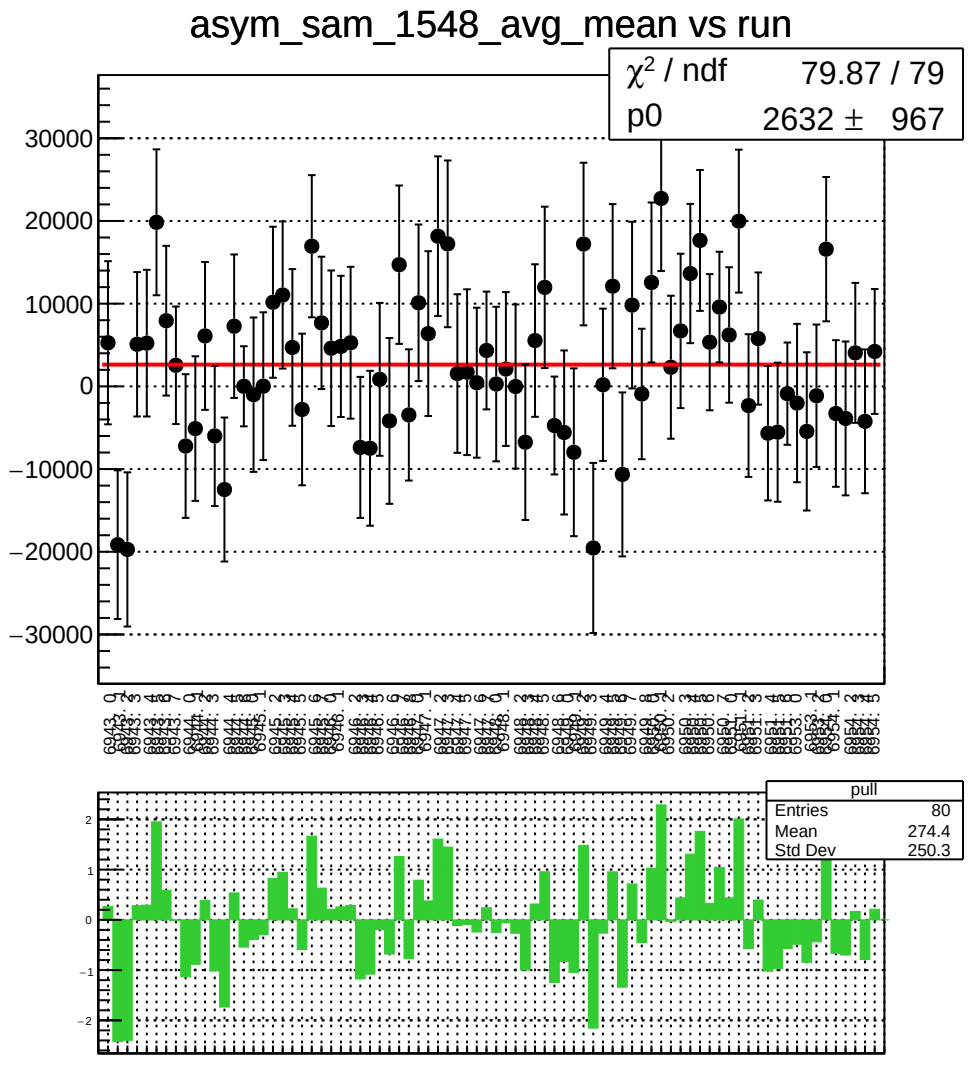

pull1D
Entries 80
Mean 0.00686
Std Dev 1.085

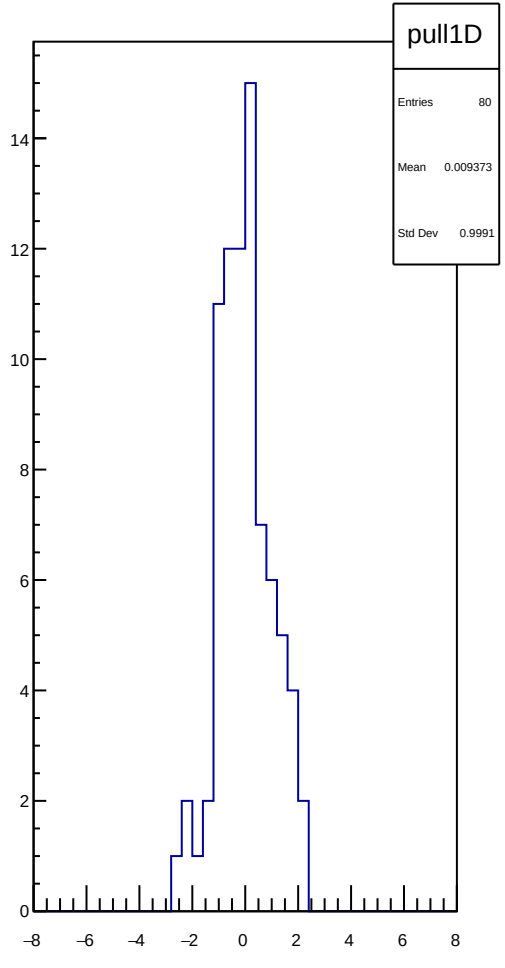

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.005e+04 / 79
p0 111 ± 0.08814
180
170
160
150
140
130
120
110
100

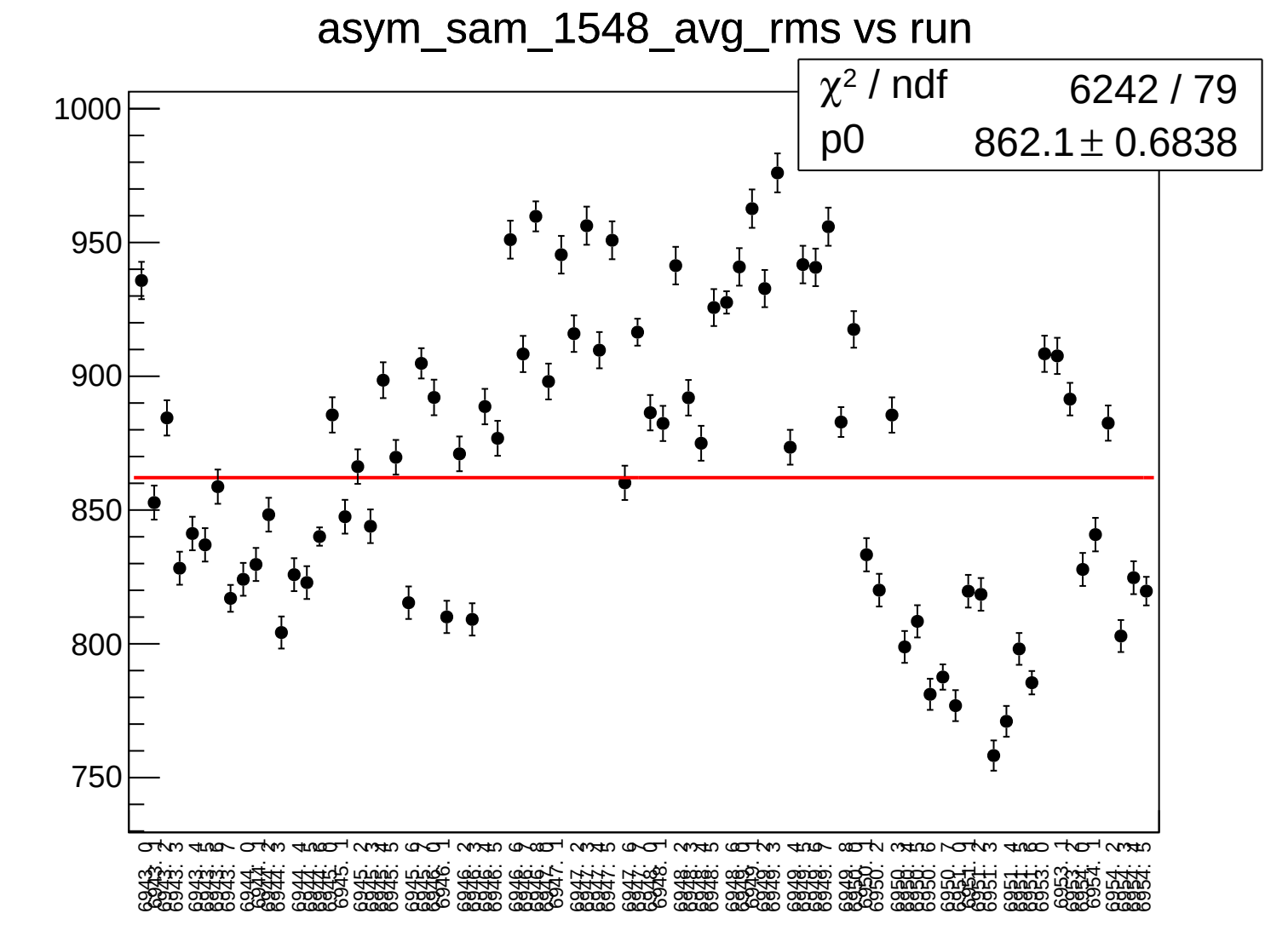

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 79.23 / 79
p0 −2536 ± 959.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 228.6
Std Dev 206.9
2
1
0
−1
−2

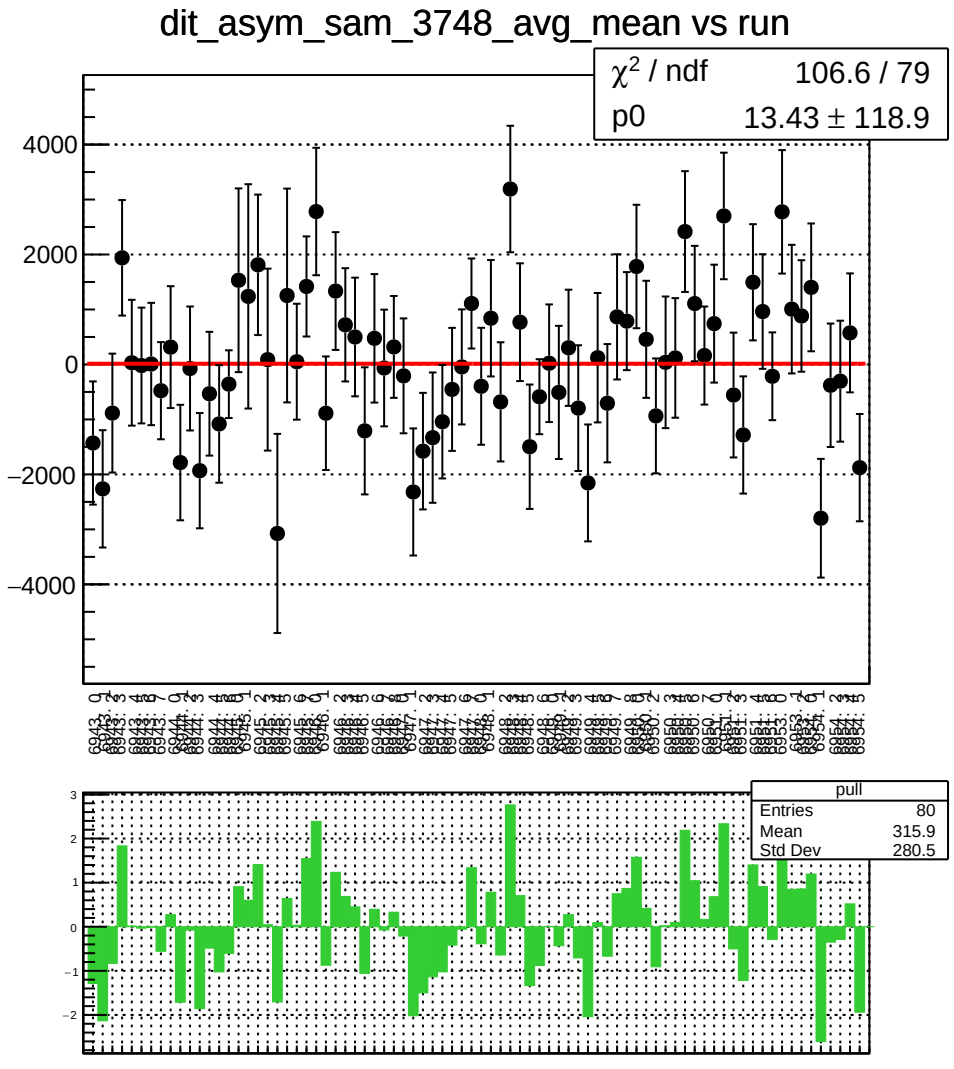

pull1D
Entries 80
Mean −0.009137
Std Dev 0.9951
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

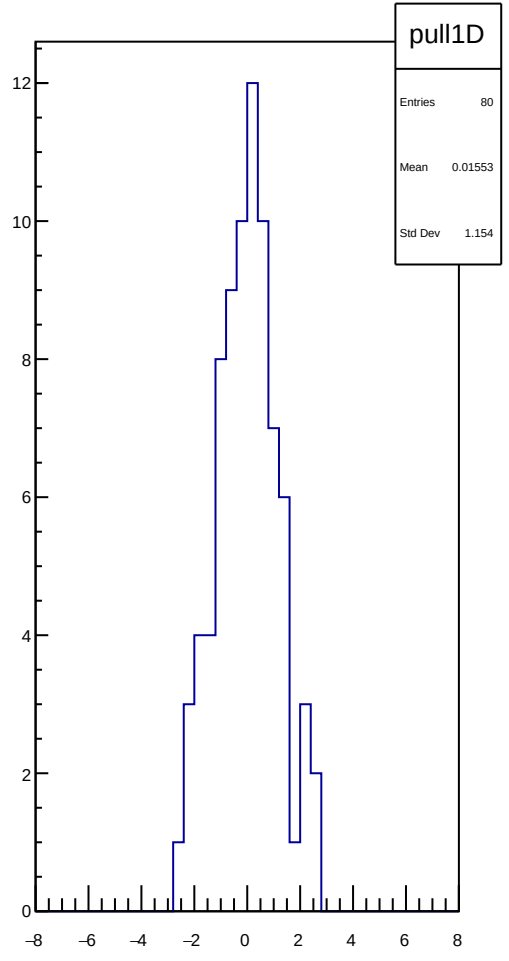

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 5786 / 79
p0 855.4 ± 0.6784
950
900
850
800
750

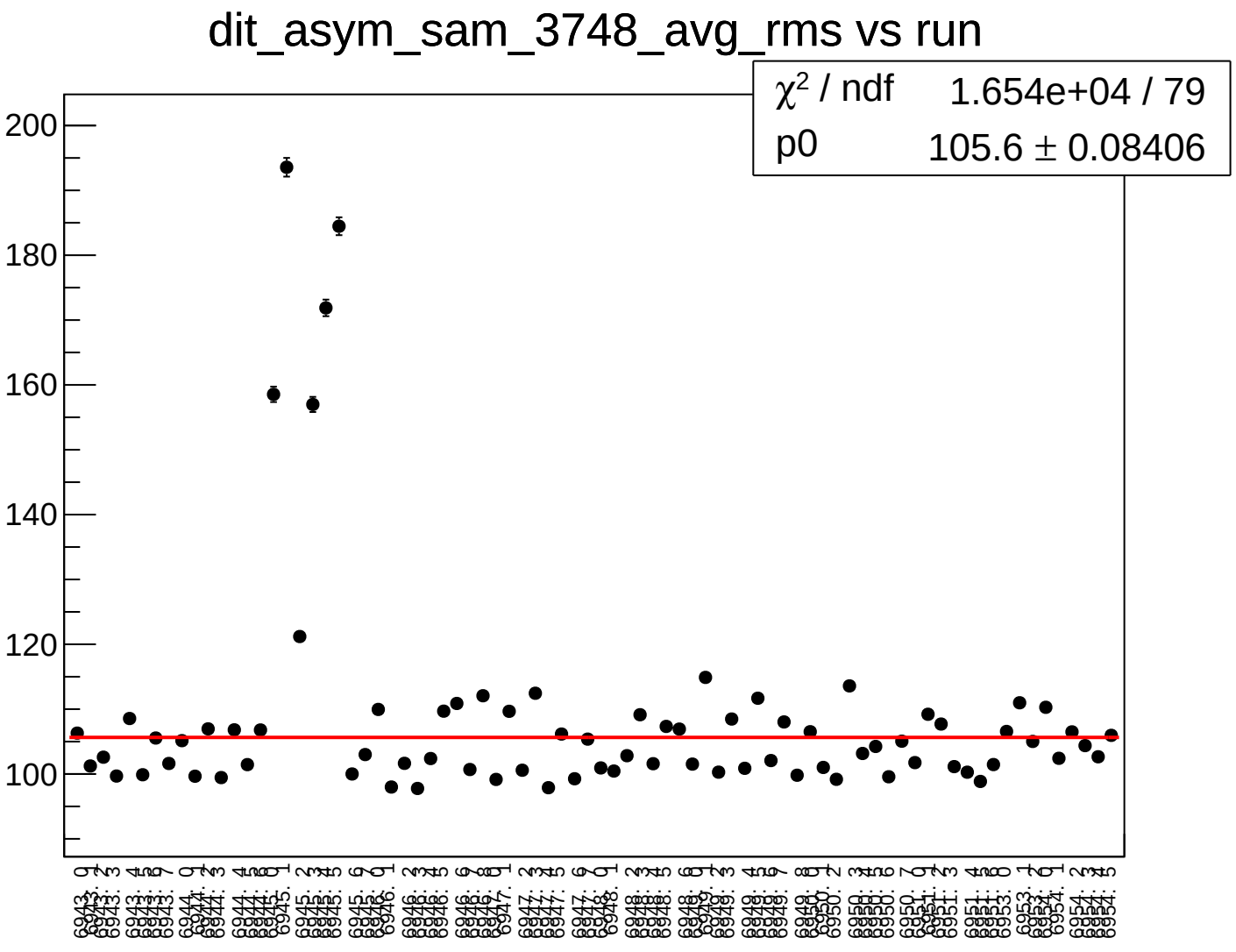

asym_sam_1548_avg_mean vs run
χ² / ndf 79.87 / 79
p0 2632 ± 967
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 274.4
Std Dev 250.3
2
1
0
−1
−2

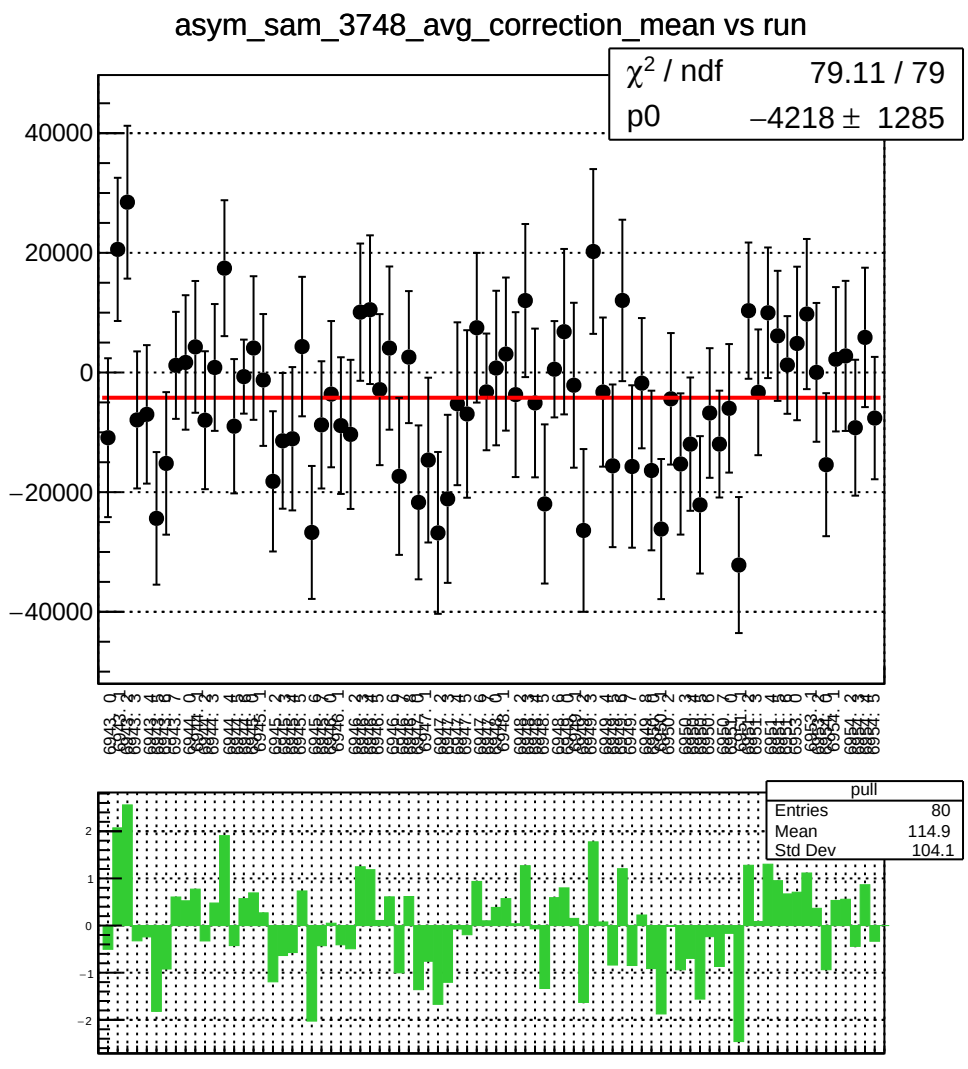

pull1D
Entries 80
Mean 0.009373
Std Dev 0.9991
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

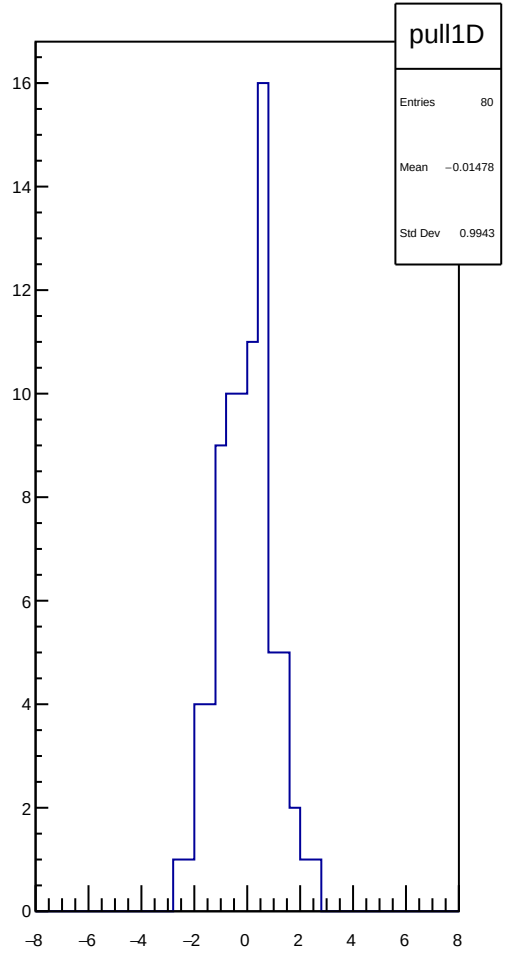

asym_sam_1548_avg_rms vs run
χ² / ndf 6242 / 79
p0 862.1 ± 0.6838
1000
950
900
850
800
750

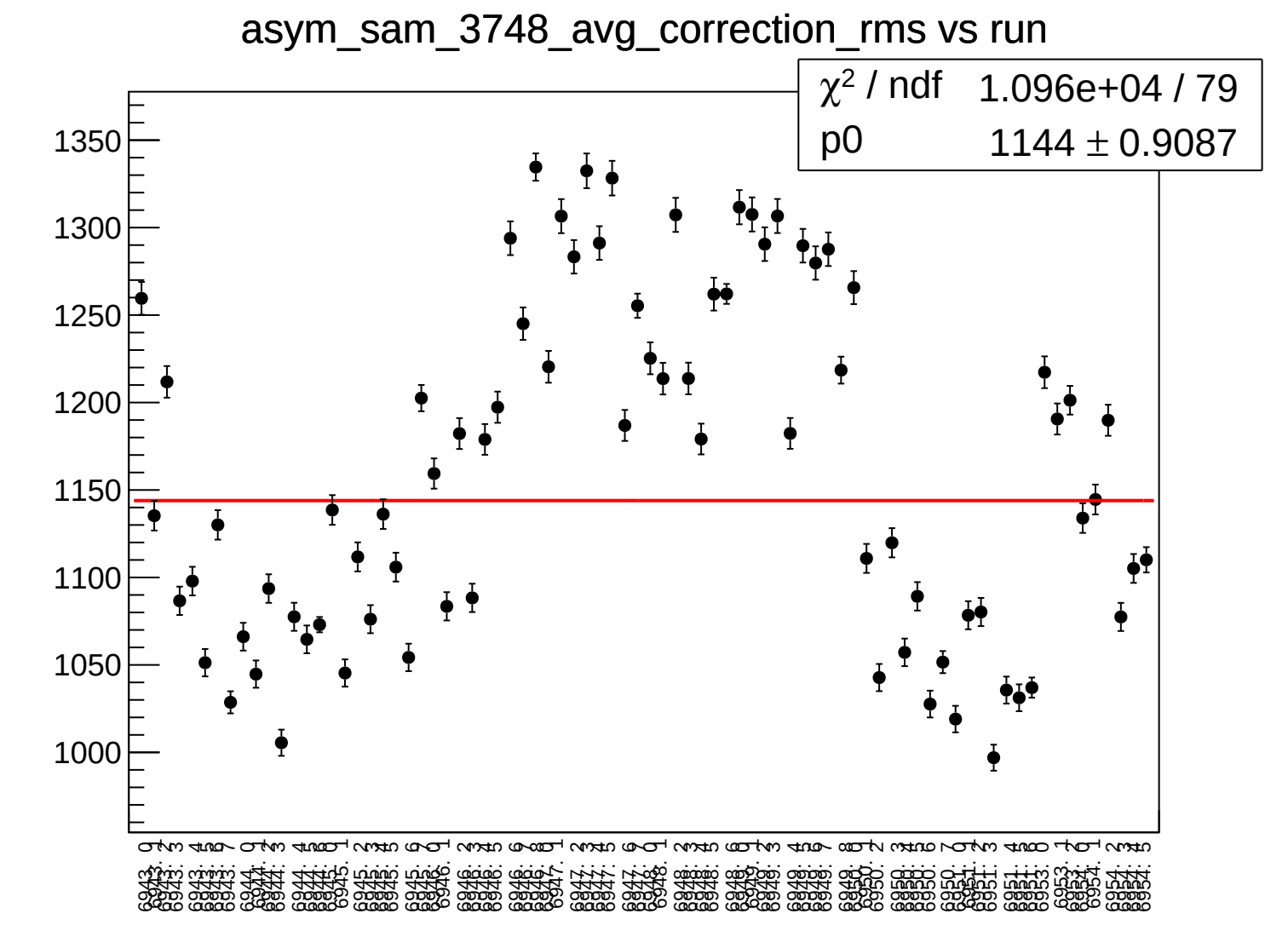

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 106.6 / 79
p0 13.43 ± 118.9
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 315.9
Std Dev 280.5
3
2
1
0
−1
−2

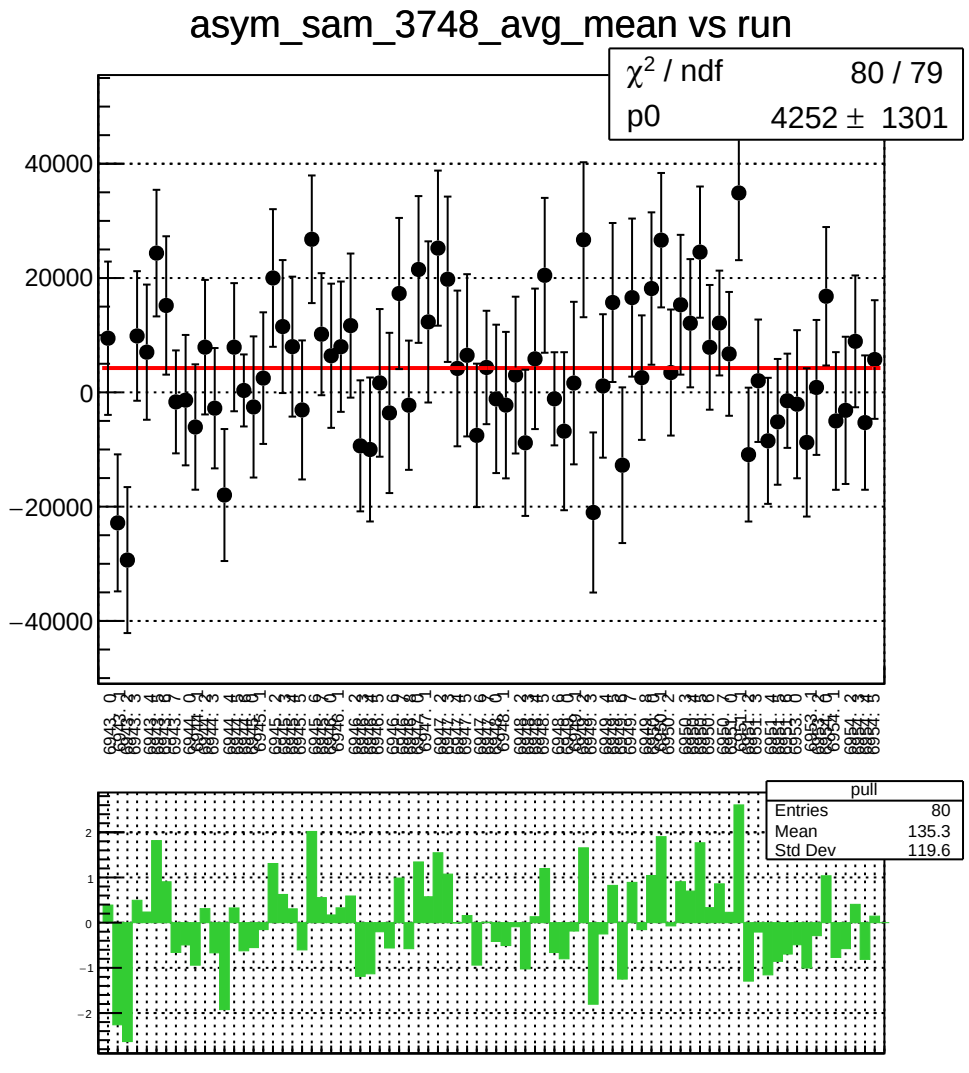

pull1D
Entries 80
Mean 0.01553
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

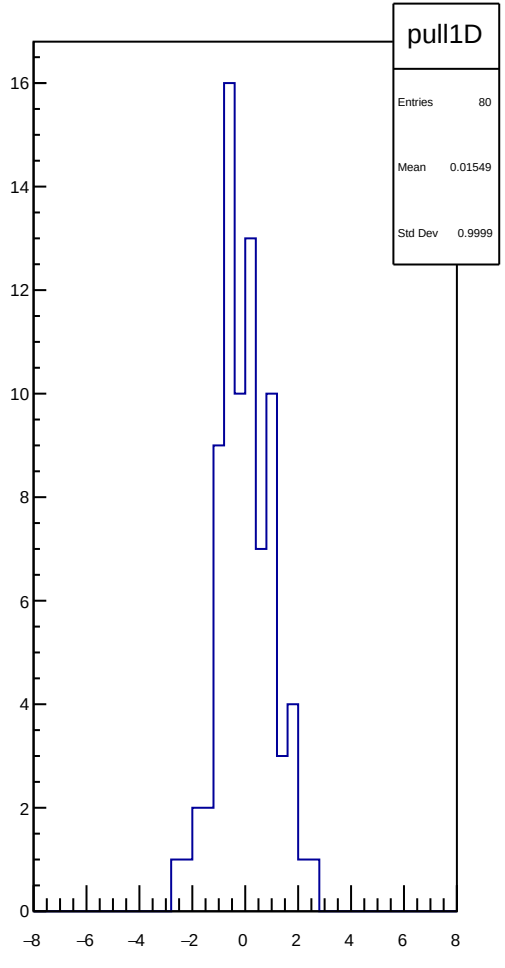

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.654e+04 / 79
p0 105.6 ± 0.08406
200
180
160
140
120
100

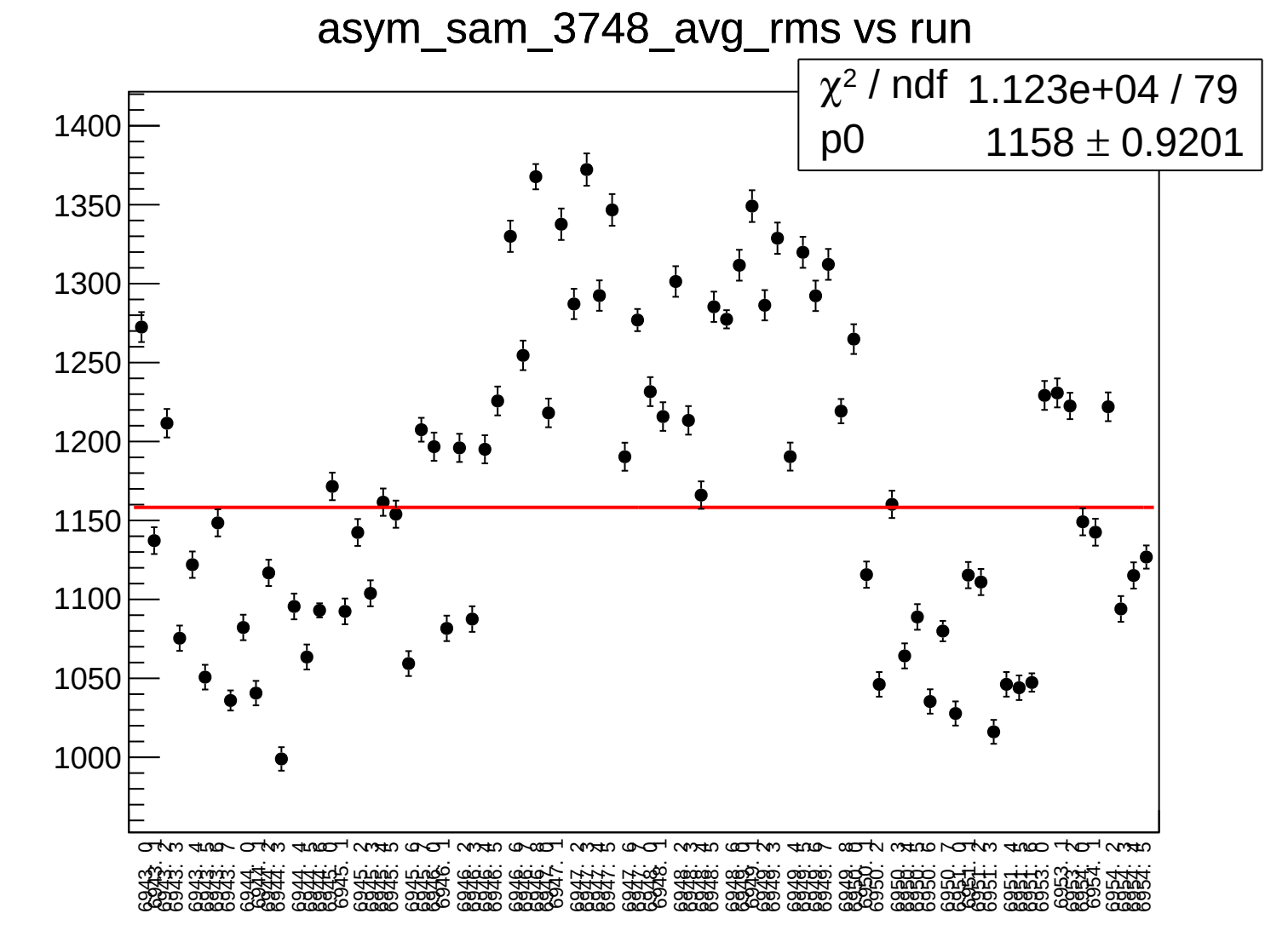

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 79.11 / 79
p0 −4218 ± 1285
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 114.9
Std Dev 104.1
2
1
0
−1
−2

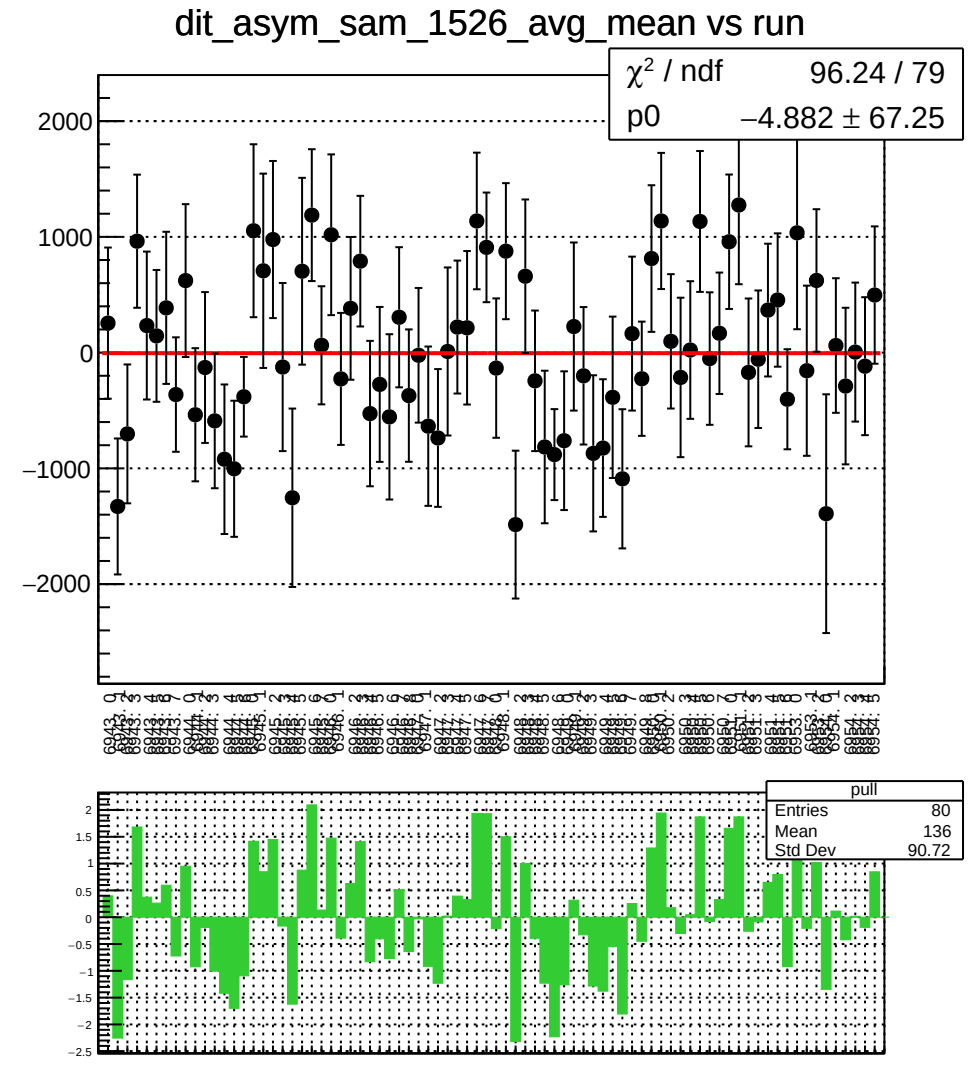

pull1D
Entries 80
Mean −0.01478
Std Dev 0.9943
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

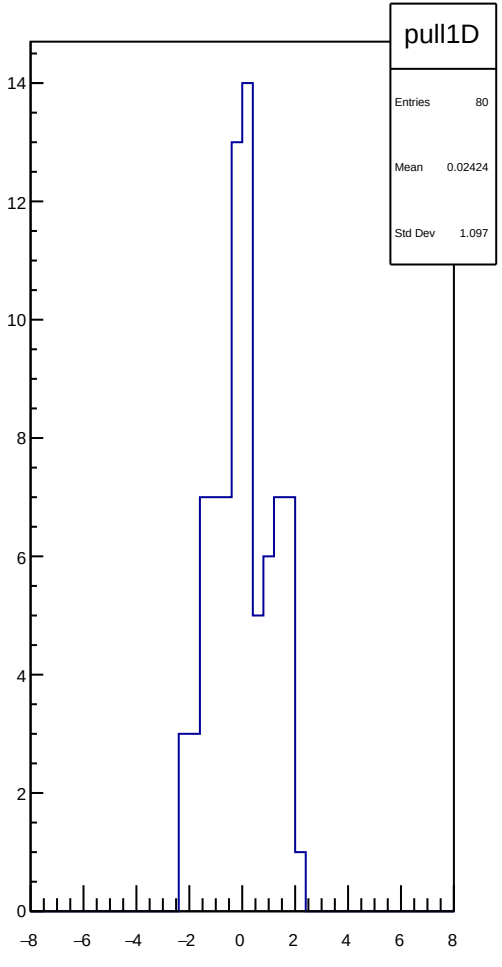

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1.096e+04 / 79
p0 1144 ± 0.9087
1350
1300
1250
1200
1150
1100
1050
1000

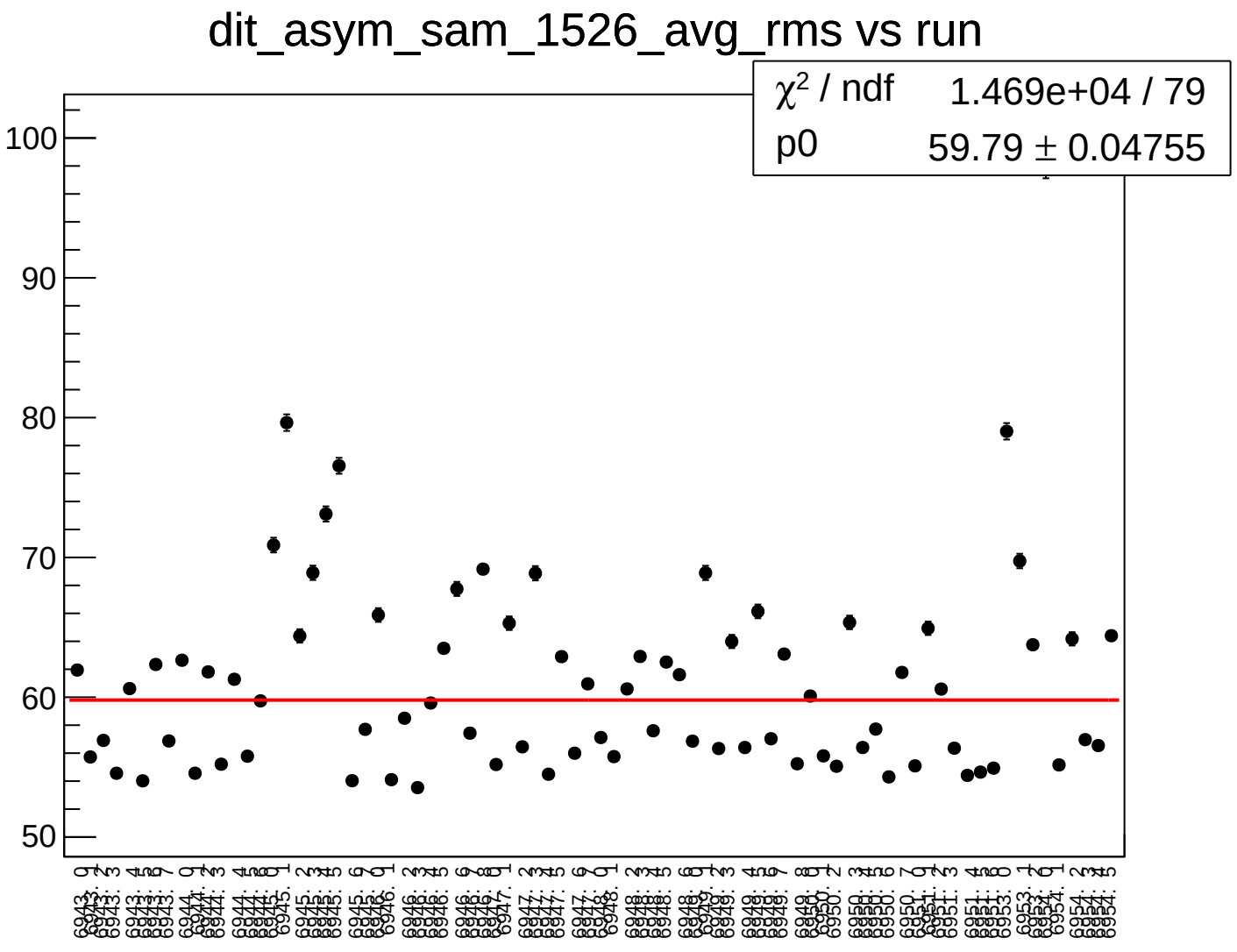

asym_sam_3748_avg_mean vs run
χ² / ndf 80 / 79
p0 4252 ± 1301
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 135.3
Std Dev 119.6
2
1
0
−1
−2

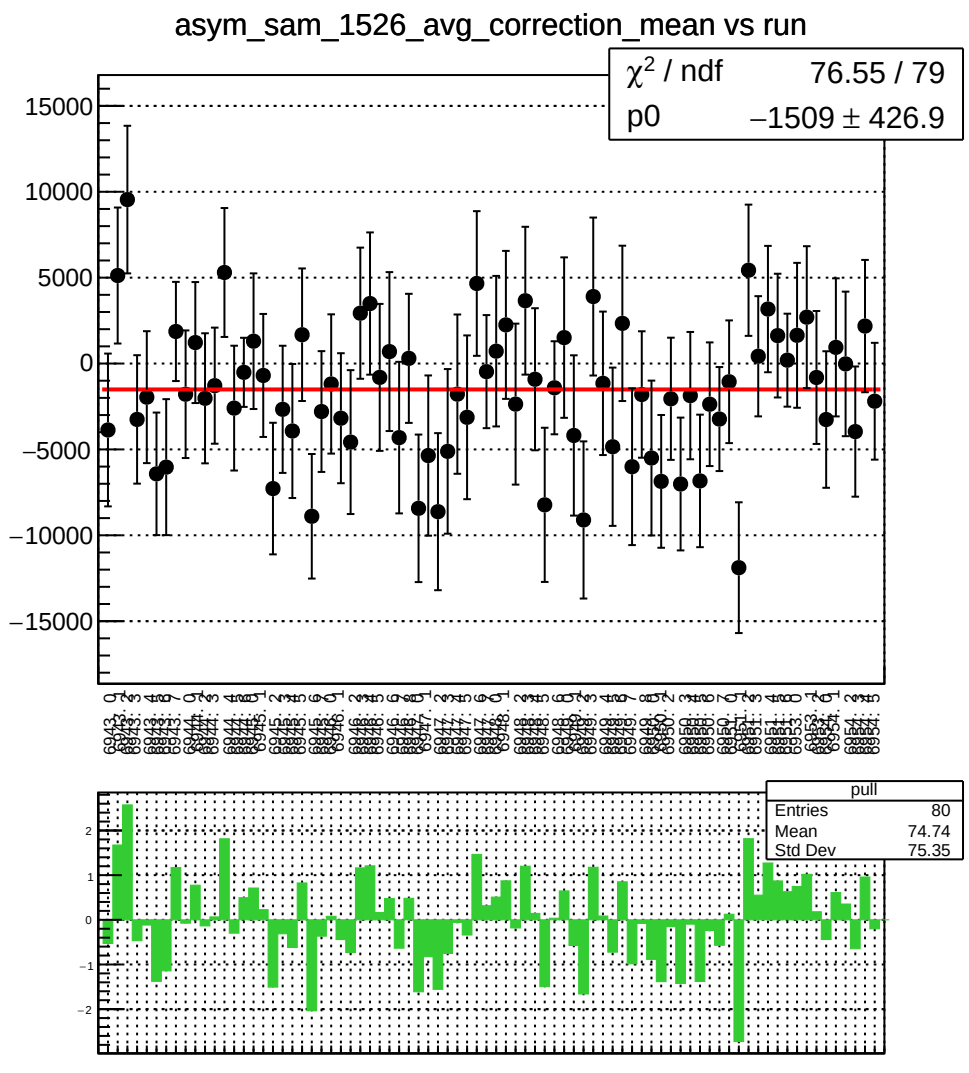

pull1D
Entries 80
Mean 0.01549
Std Dev 0.9999
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

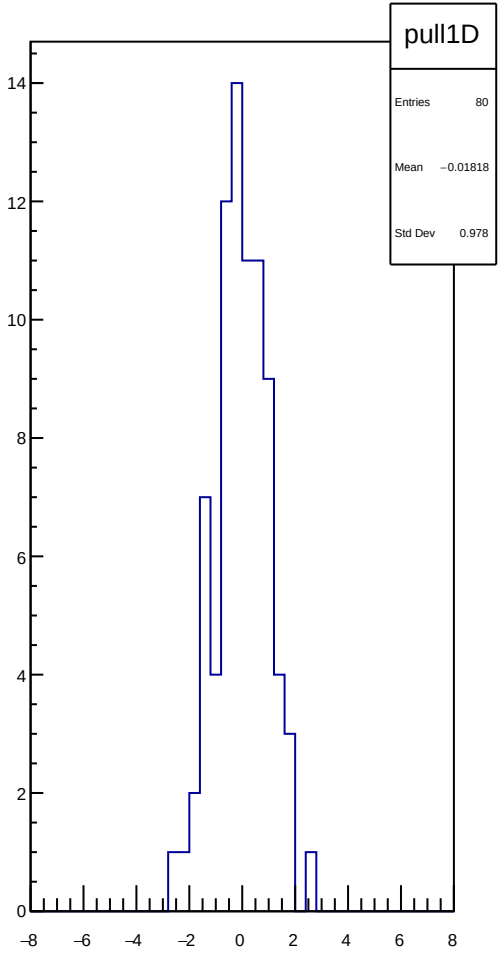

asym_sam_3748_avg_rms vs run
χ² / ndf 1.123e+04 / 79
p0 1158 ± 0.9201
1400
1350
1300
1250
1200
1150
1100
1050
1000

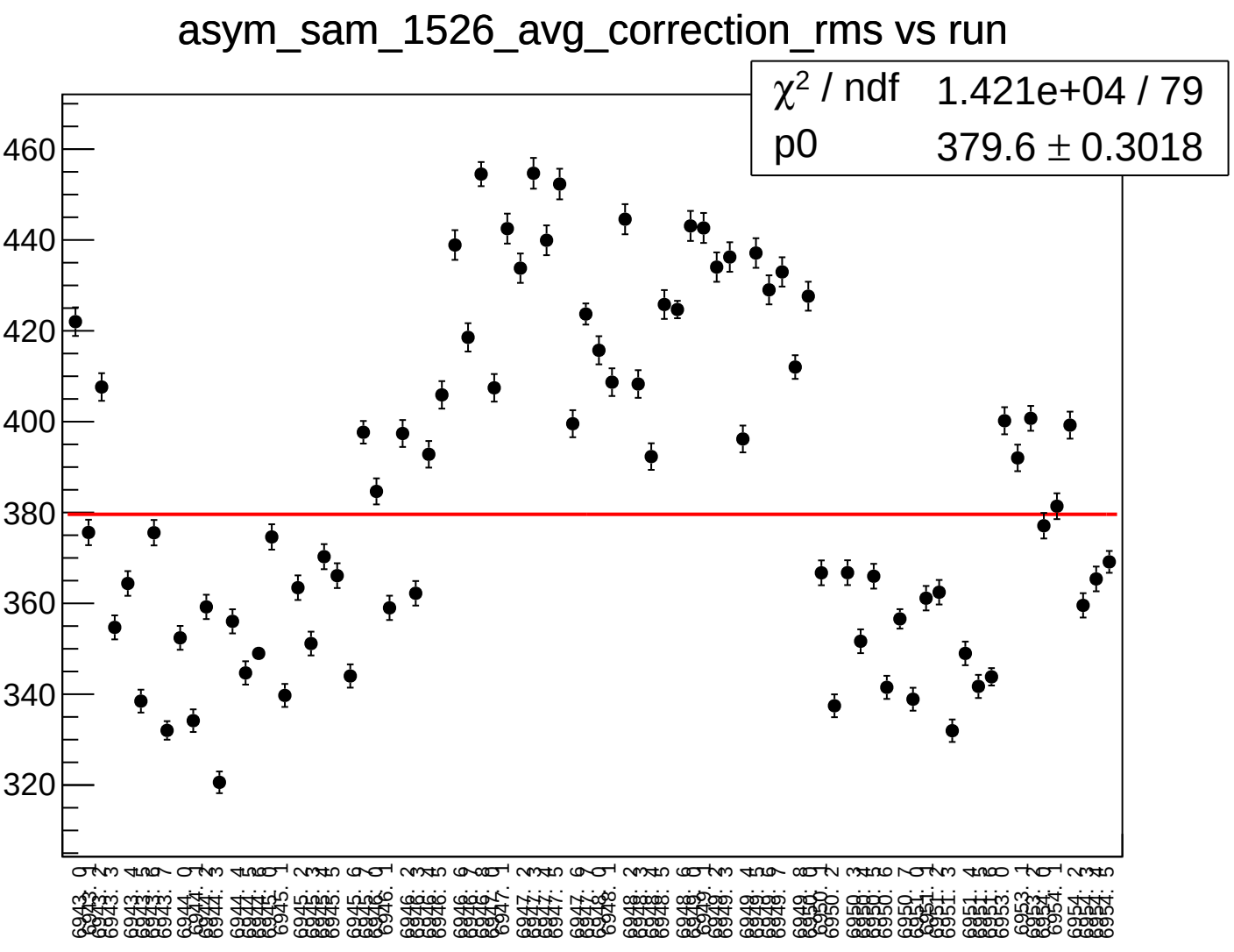

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 96.24 / 79
p0 −4.882 ± 67.25
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 136
Std Dev 90.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

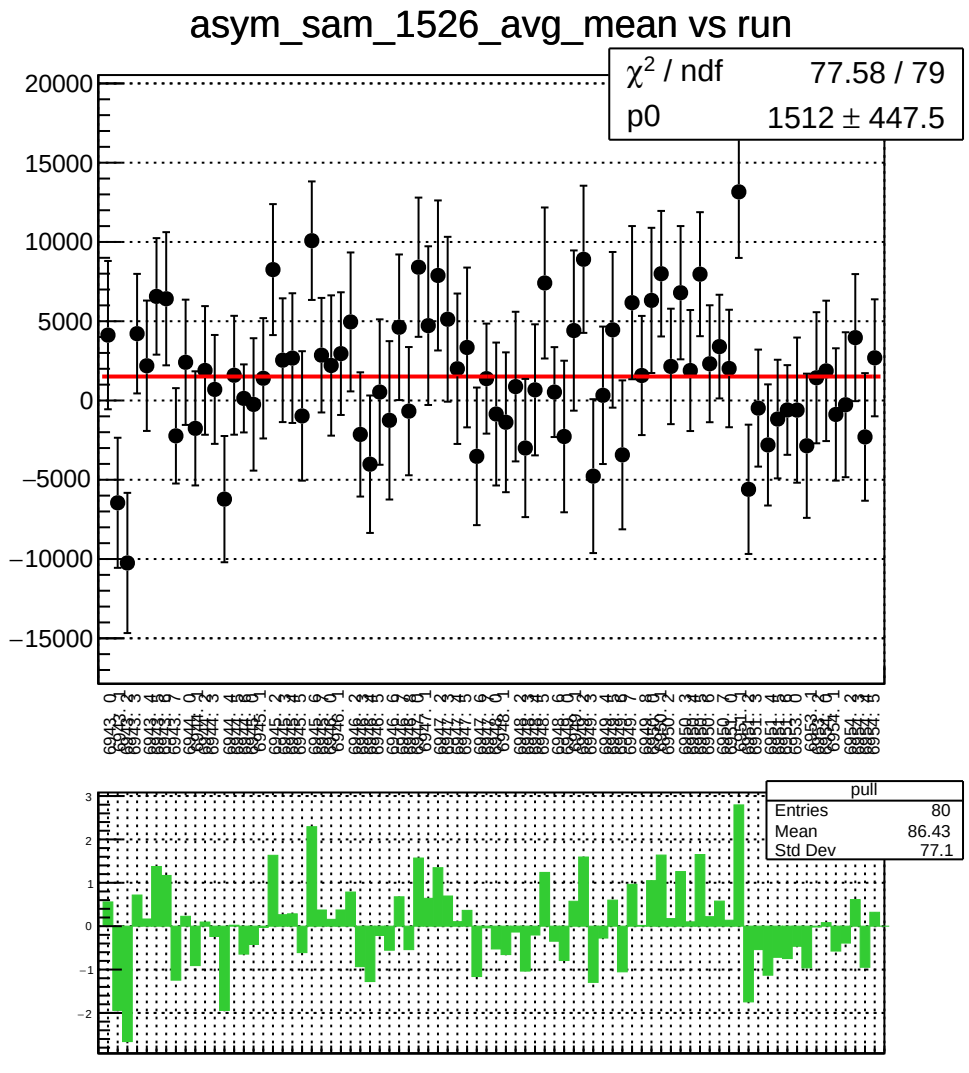

pull1D
Entries 80
Mean 0.02424
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

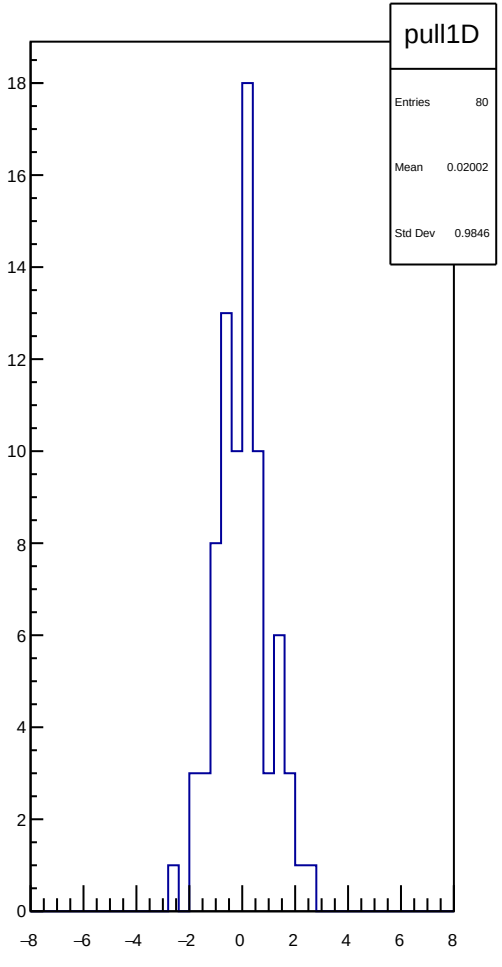

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.469e+04 / 79
p0 59.79 ± 0.04755
100
90
80
70
60
50

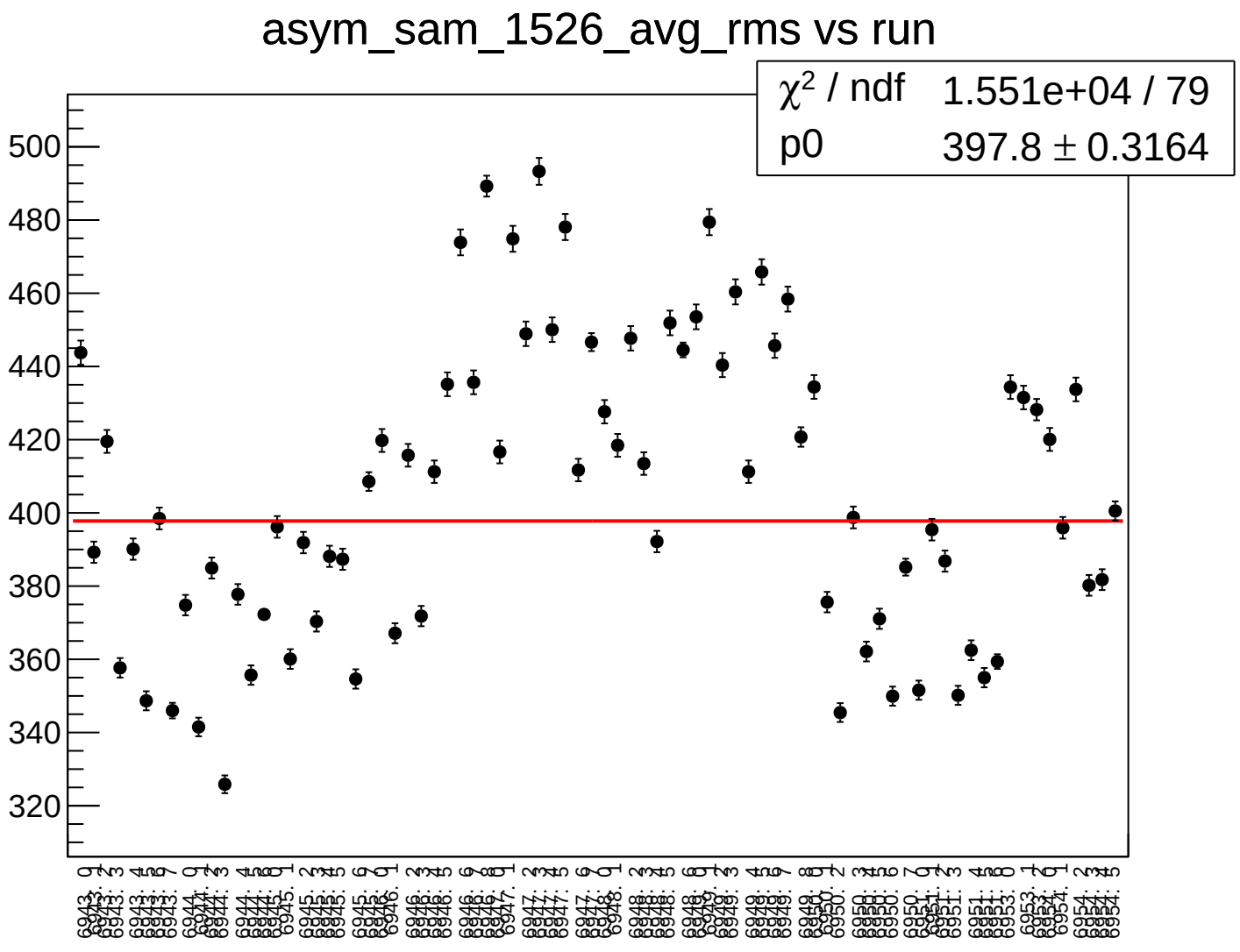

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 76.55 / 79
p0 −1509 ± 426.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 74.74
Std Dev 75.35
2
1
0
−1
−2

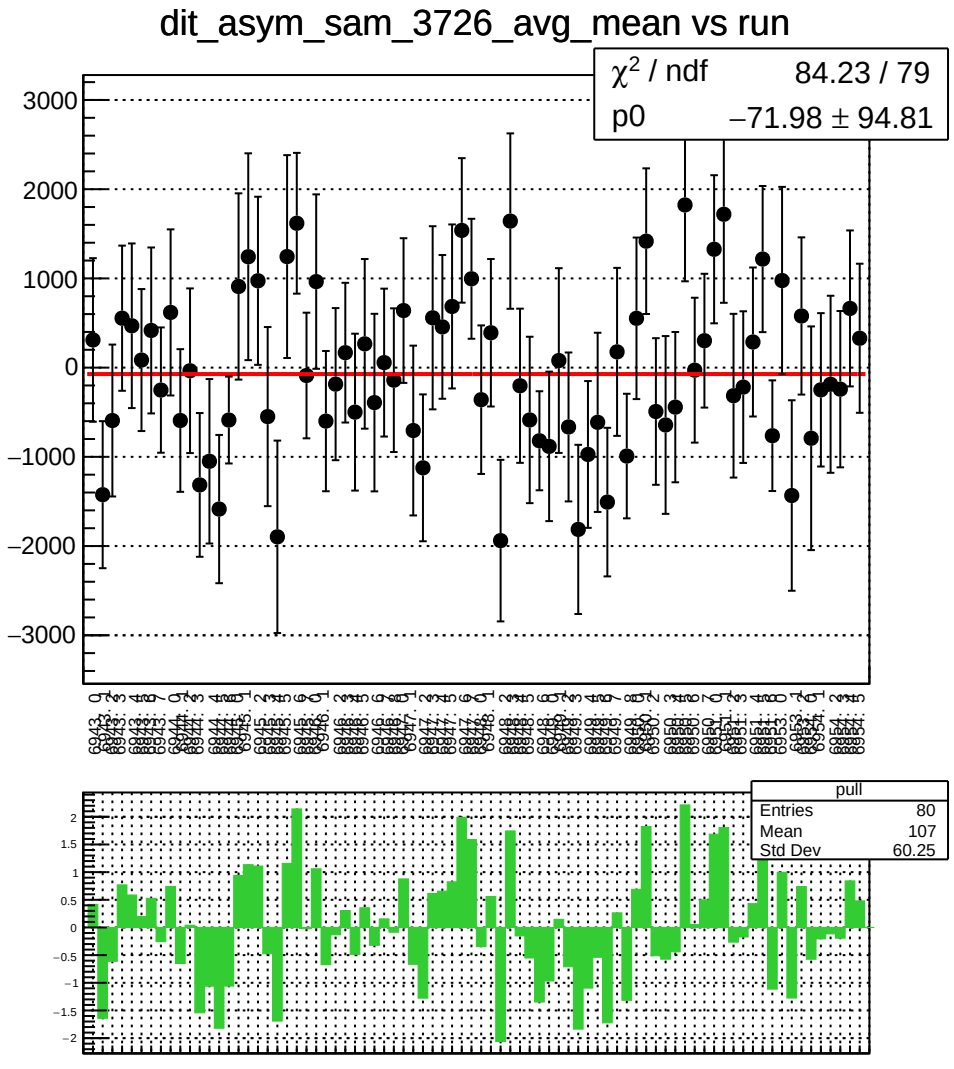

pull1D
Entries 80
Mean −0.01818
Std Dev 0.978
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

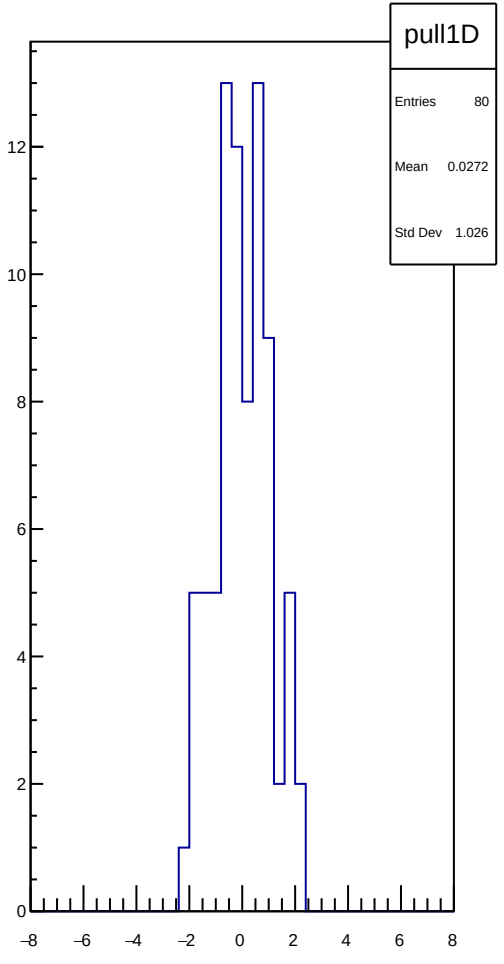

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1.421e+04 / 79
p0 379.6 ± 0.3018
460
440
420
400
380
360
340
320

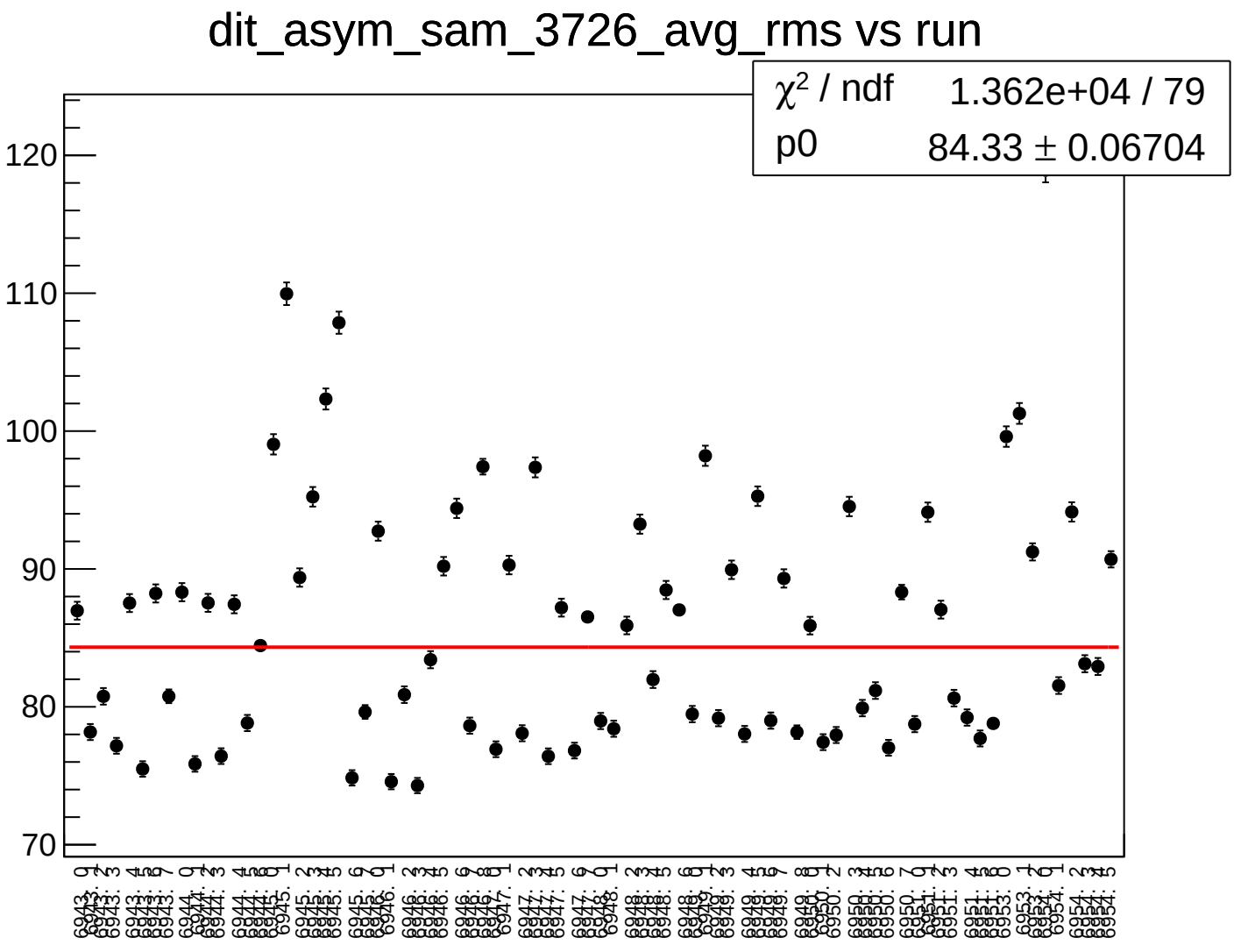

asym_sam_1526_avg_mean vs run
χ² / ndf 77.58 / 79
p0 1512 ± 447.5
pull
Entries 80
Mean 86.43
Std Dev 77.1

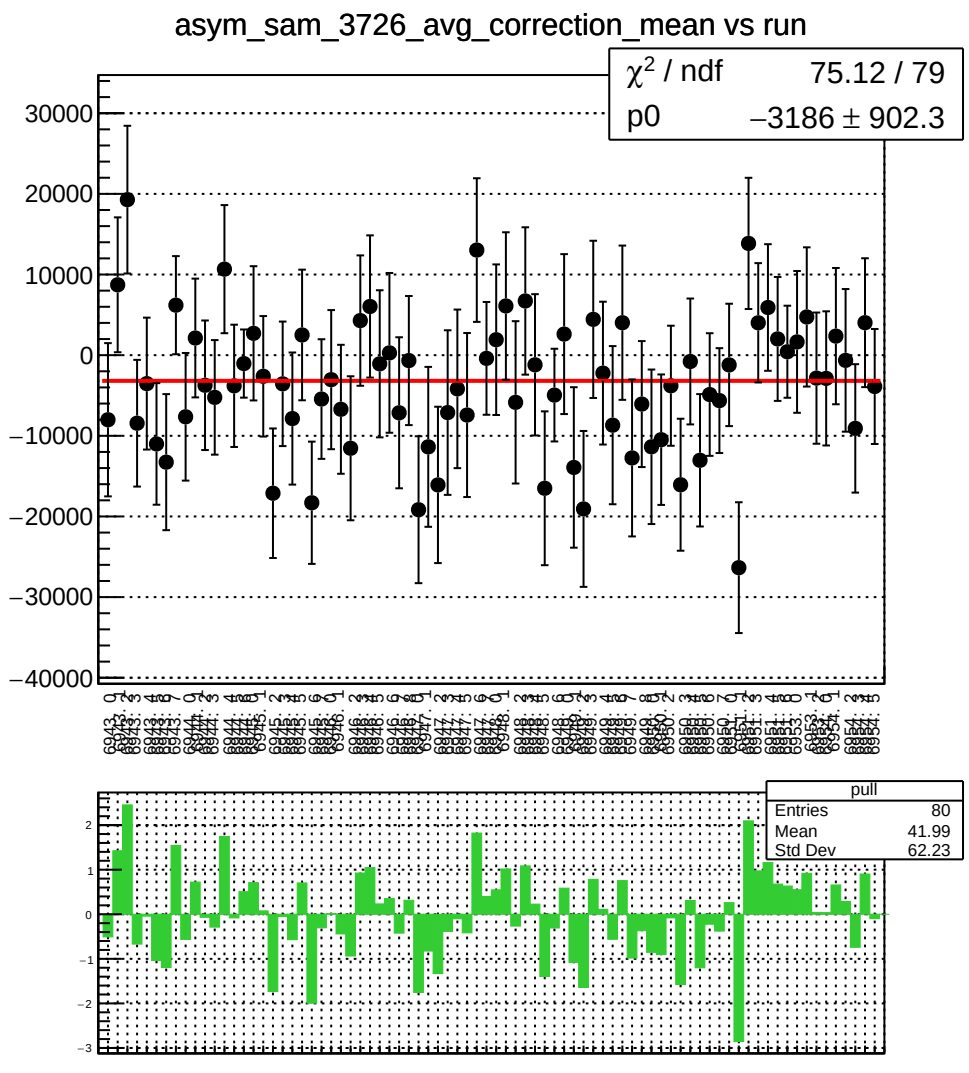

pull1D
Entries 80
Mean 0.02002
Std Dev 0.9846

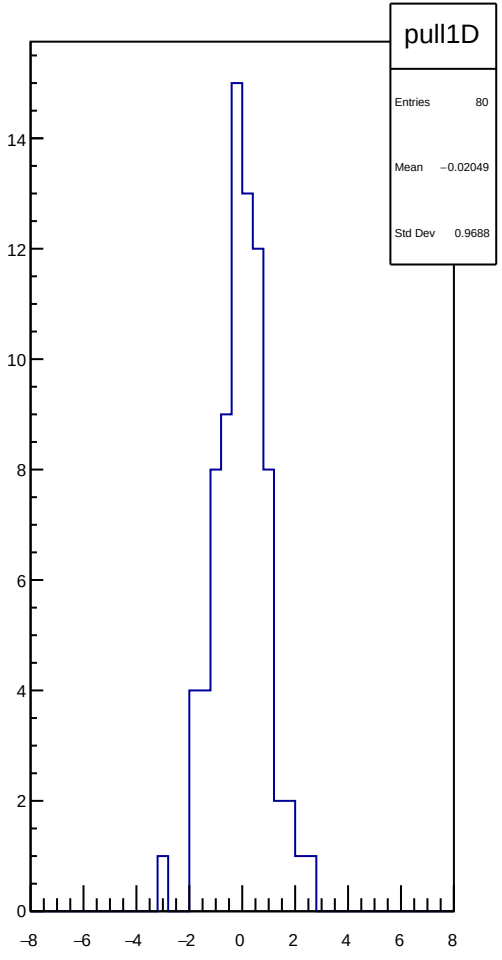

asym_sam_1526_avg_rms vs run
χ² / ndf 1.551e+04 / 79
p0 397.8 ± 0.3164
500
480
460
440
420
400
380
360
340
320

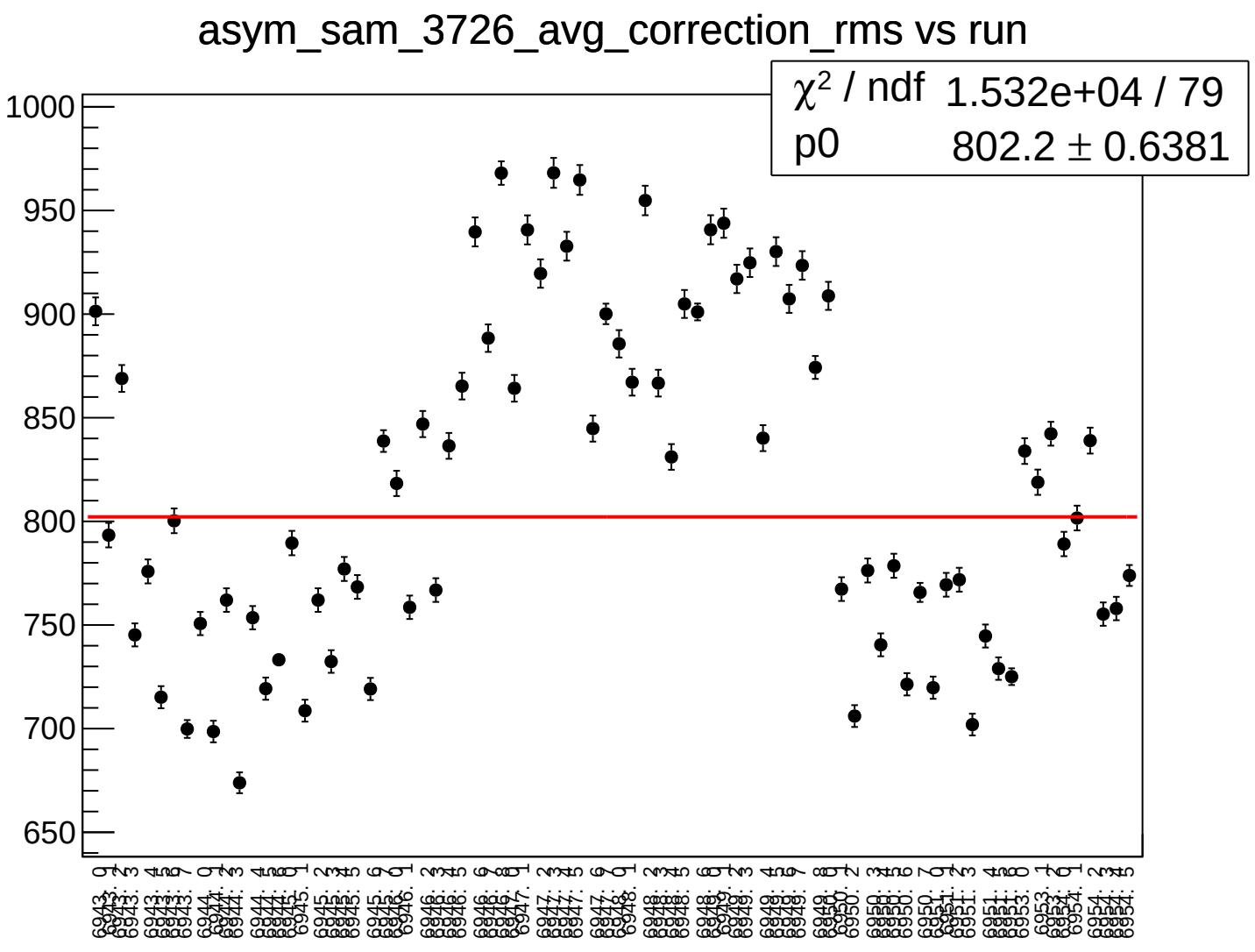

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 84.23 / 79
p0 −71.98 ± 94.81
pull
Entries 80
Mean 107
Std Dev 60.25

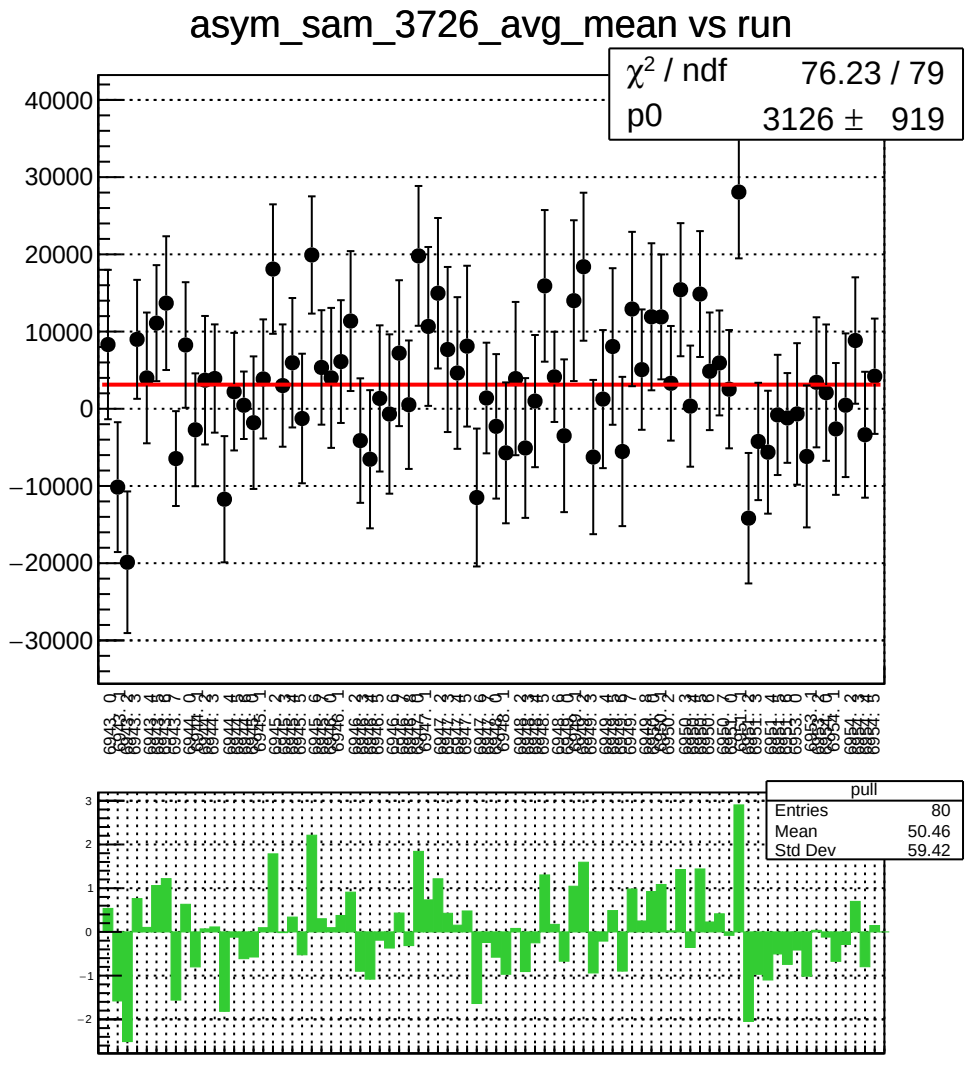

pull1D
Entries 80
Mean 0.0272
Std Dev 1.026

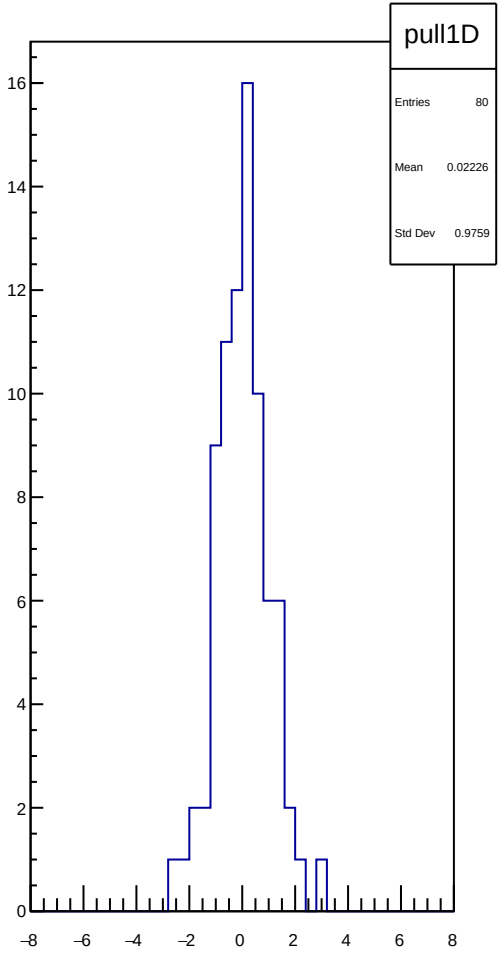

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.362e+04 / 79
p0 84.33 ± 0.06704
120
110
100
90
80
70


asym_sam_3726_avg_correction_mean vs run
χ² / ndf 75.12 / 79
p0 −3186 ± 902.3
pull
Entries 80
Mean 41.99
Std Dev 62.23

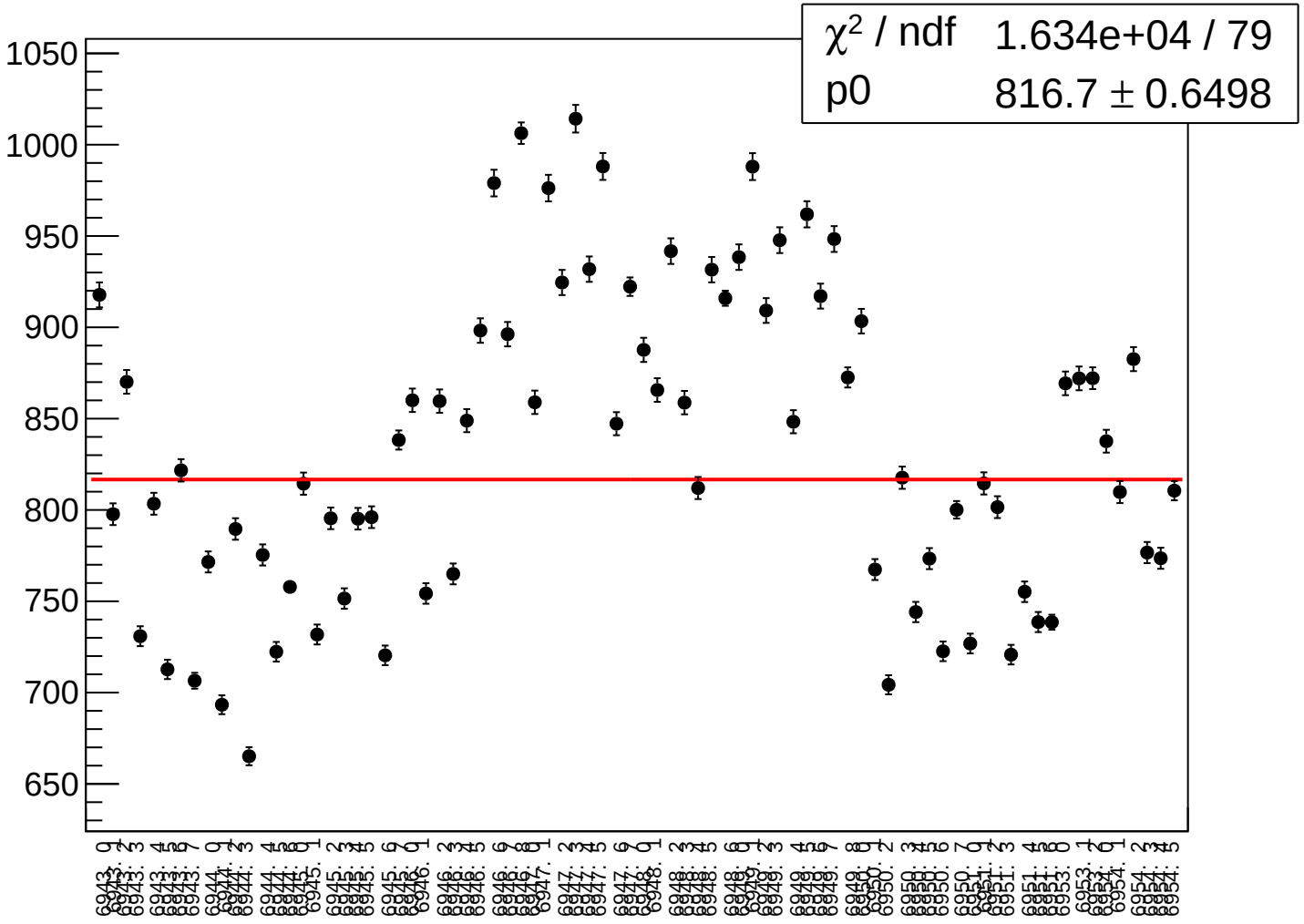

pull1D
Entries 80
Mean −0.02049
Std Dev 0.9688

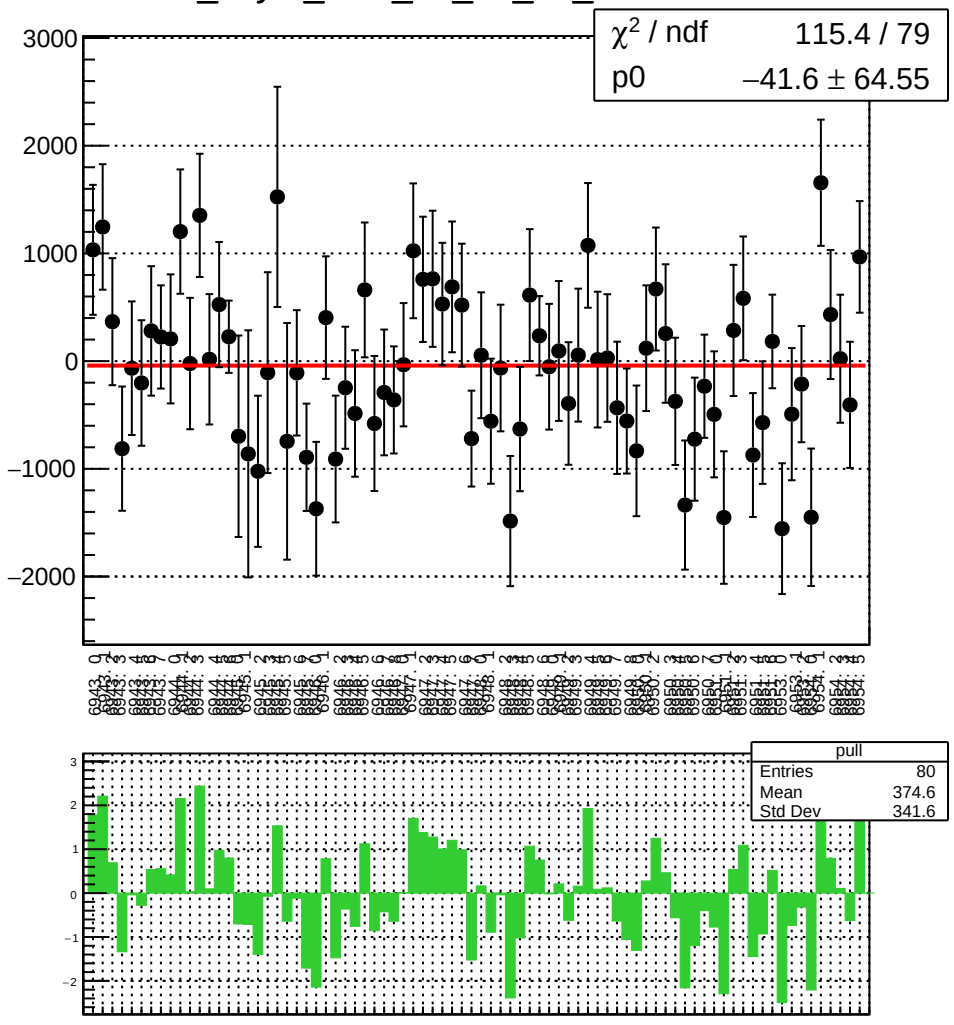

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.532e+04 / 79
p0 802.2 ± 0.6381
1000
950
900
850
800
750
700
650

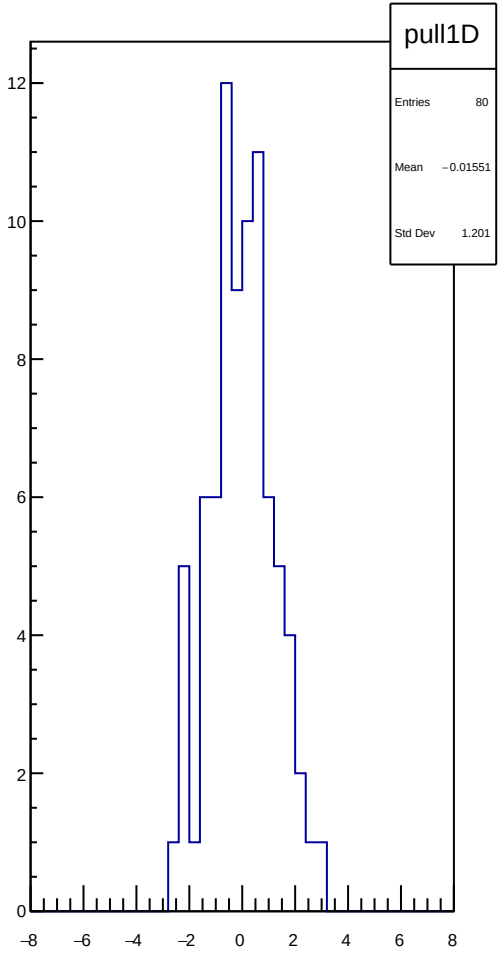

asym_sam_3726_avg_mean vs run
χ² / ndf 76.23 / 79
p0 3126 ± 919
pull
Entries 80
Mean 50.46
Std Dev 59.42

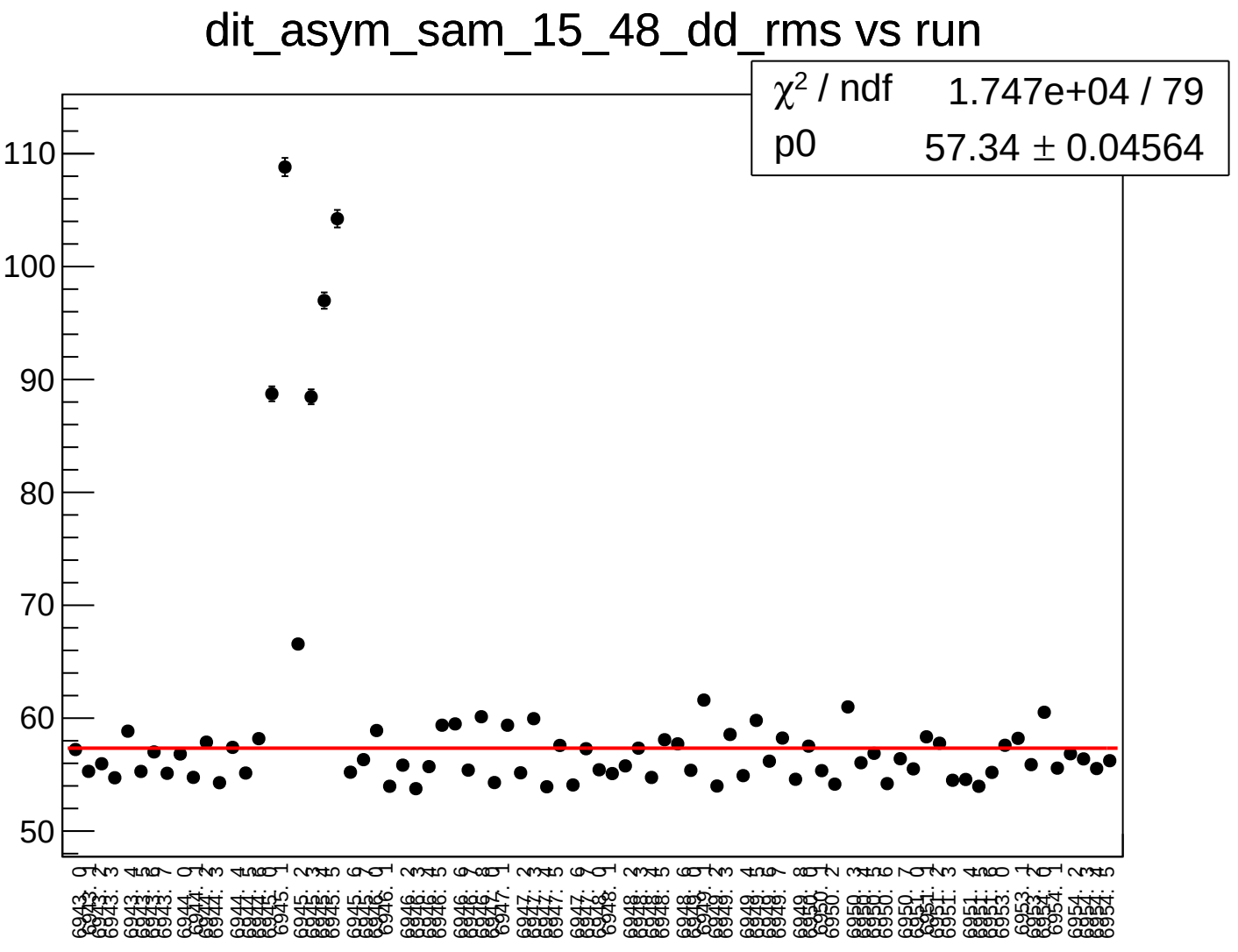

pull1D
Entries 80
Mean 0.02226
Std Dev 0.9759

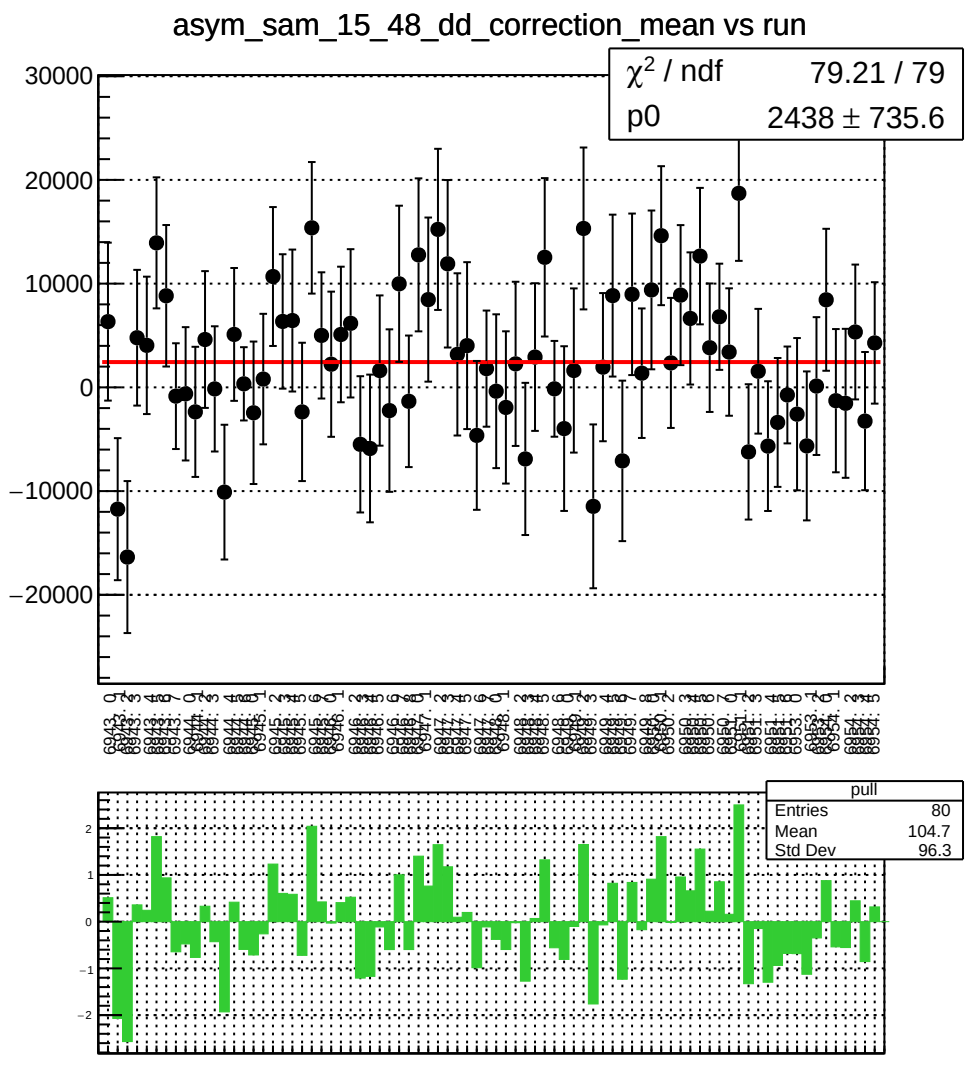
asym_sam_3726_avg_rms vs run

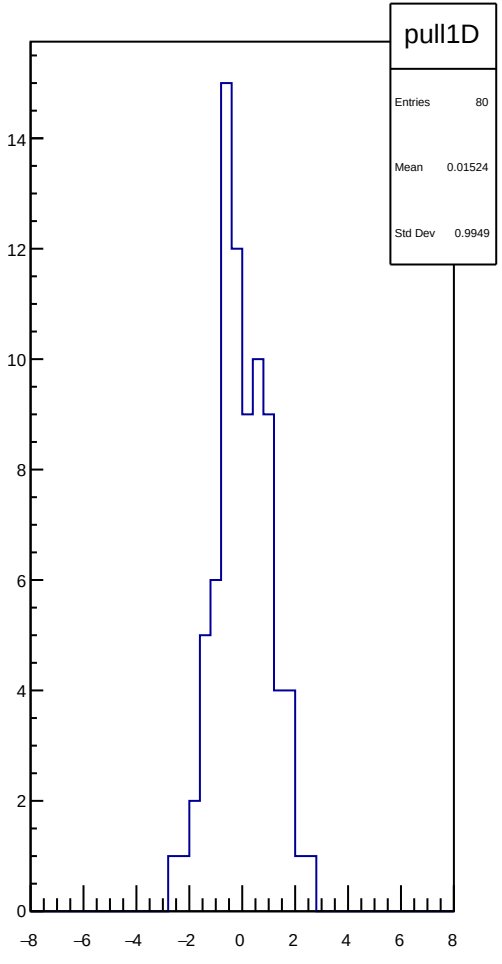


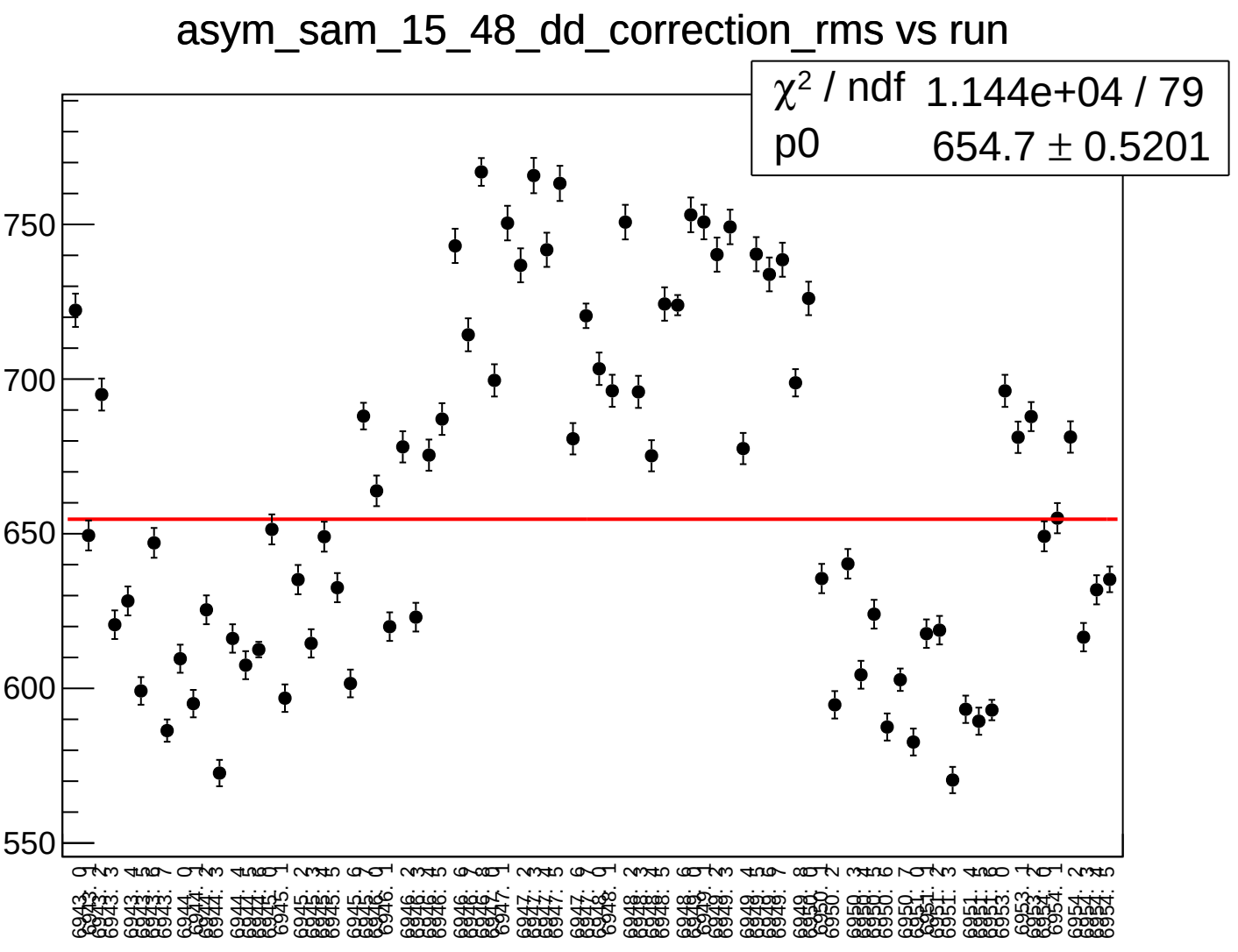

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 115.4 / 79
p0 −41.6 ± 64.55
pull
Entries 80
Mean 374.6
Std Dev 341.6

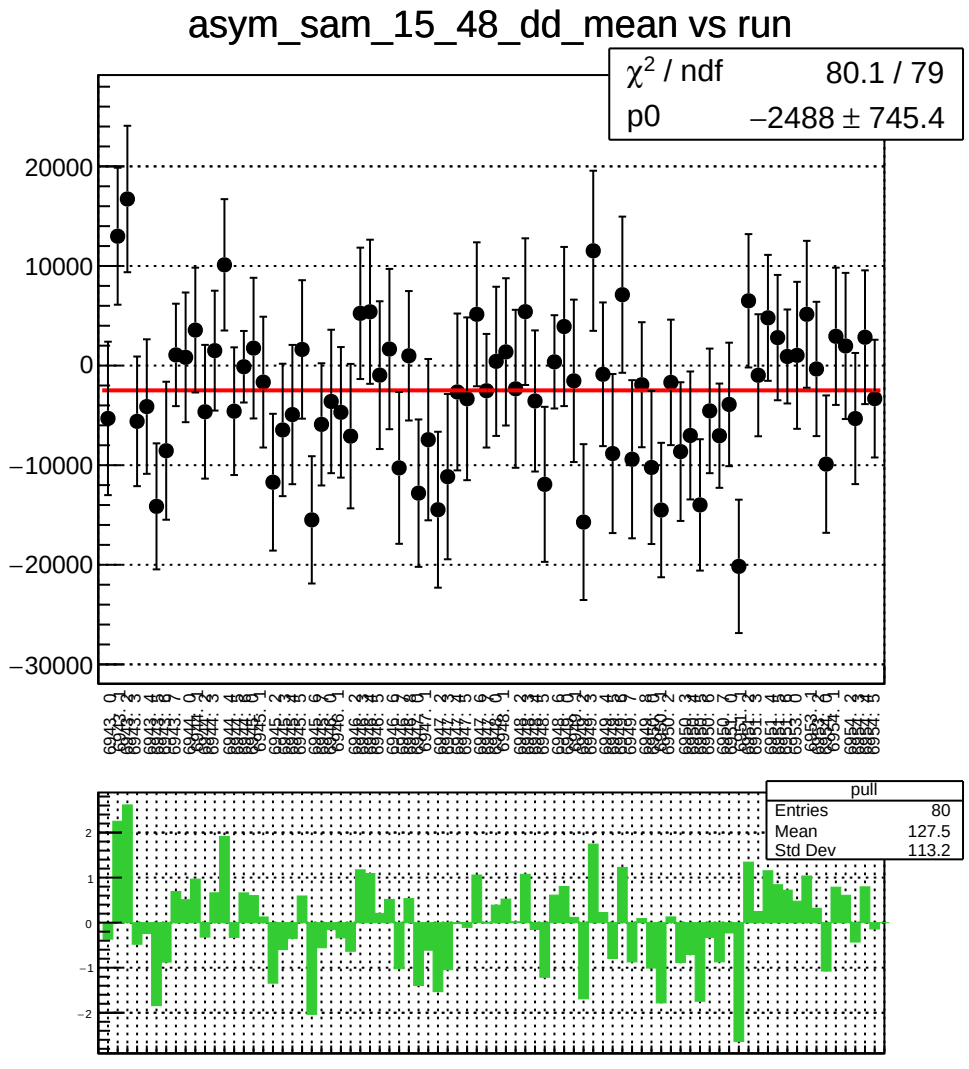

pull1D
Entries 80
Mean −0.01551
Std Dev 1.201

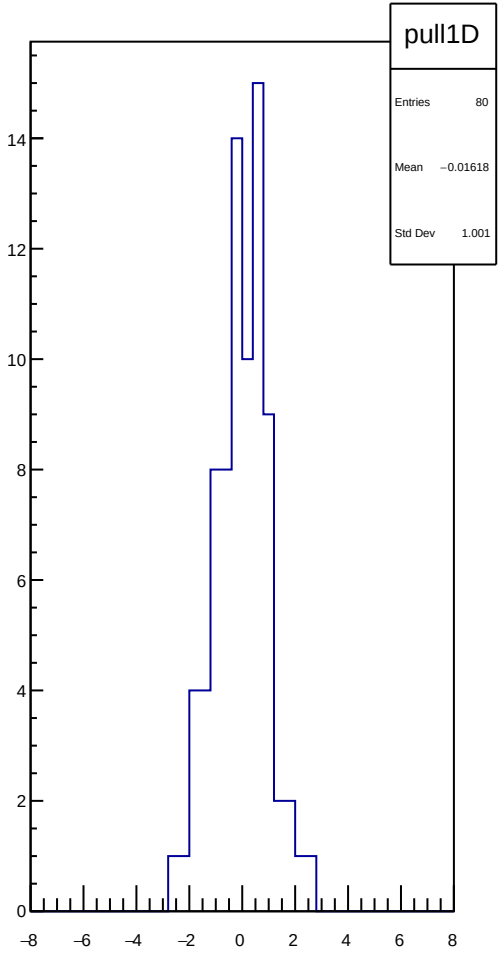

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.747e+04 / 79
p0 57.34 ± 0.04564
110
100
90
80
70
60
50

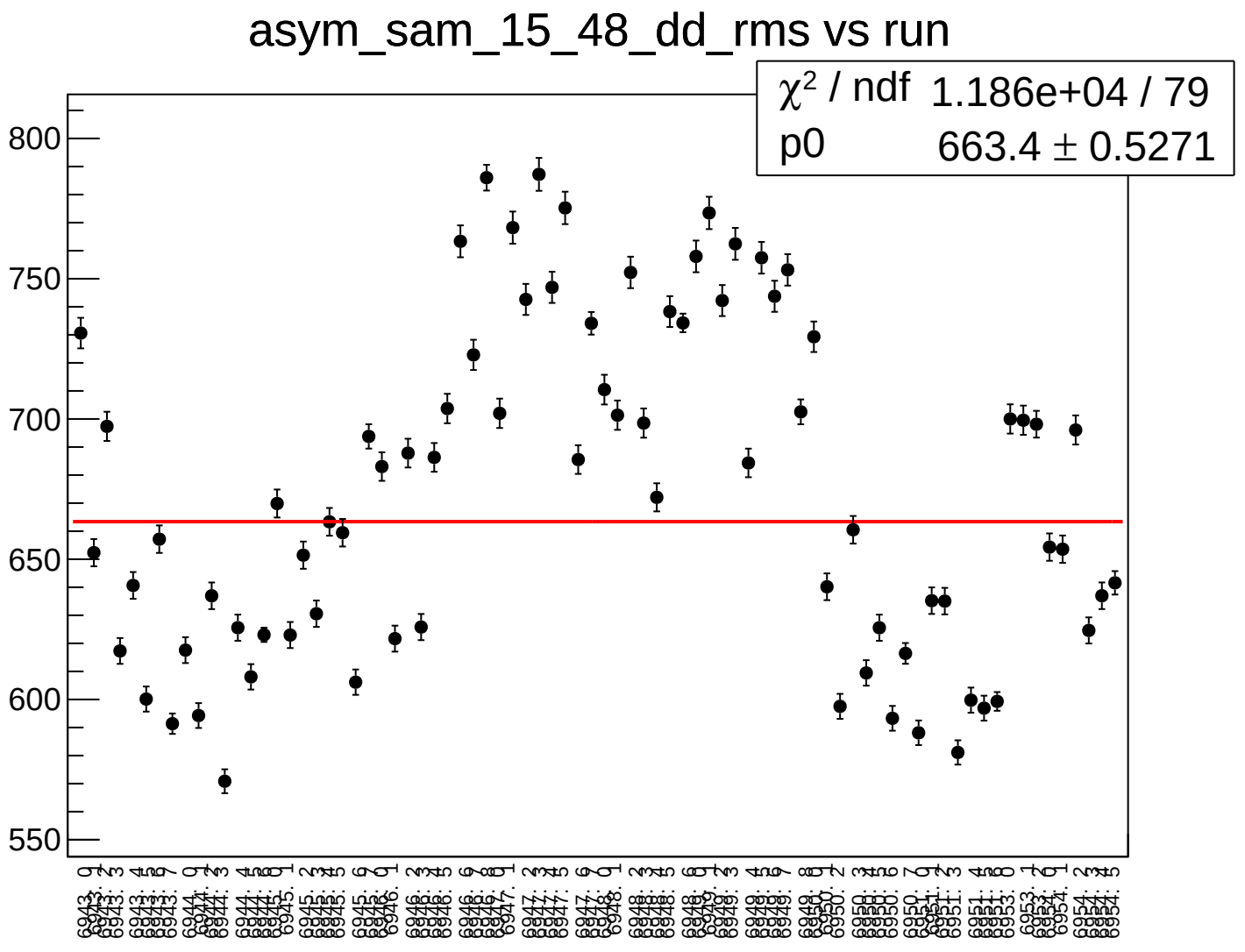

asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 79.21 / 79
p0 2438 ± 735.6
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 104.7
Std Dev 96.3
2
1
0
−1
−2

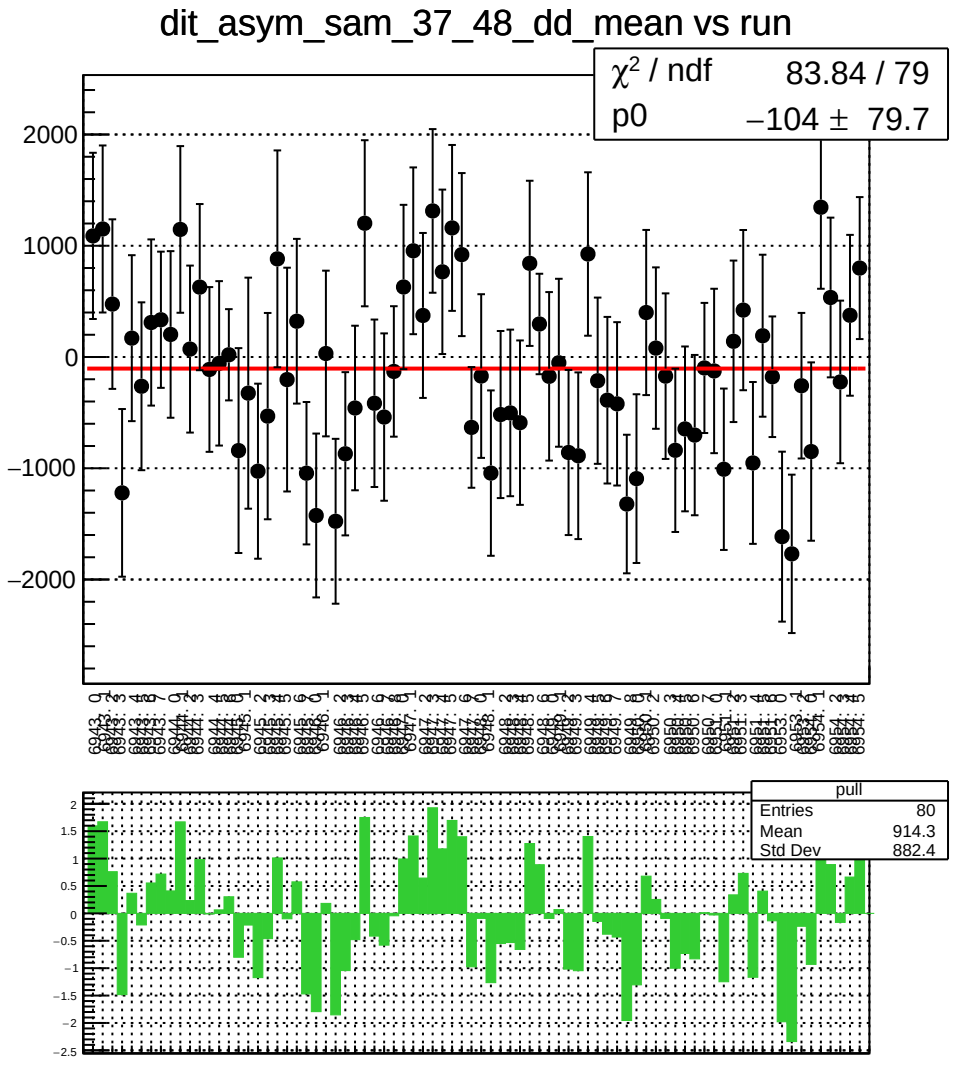

pull1D
Entries 80
Mean 0.01524
Std Dev 0.9949
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

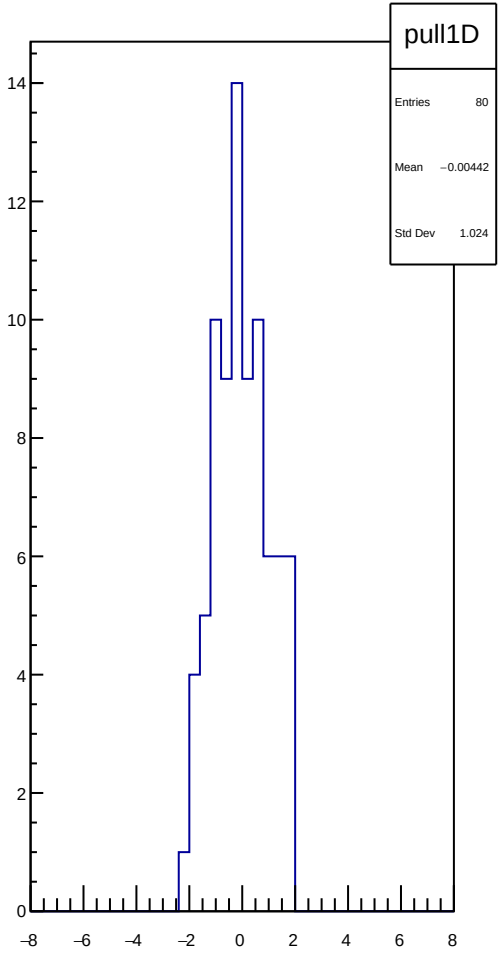

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1.144e+04 / 79
p0 654.7 ± 0.5201
750
700
650
600
550

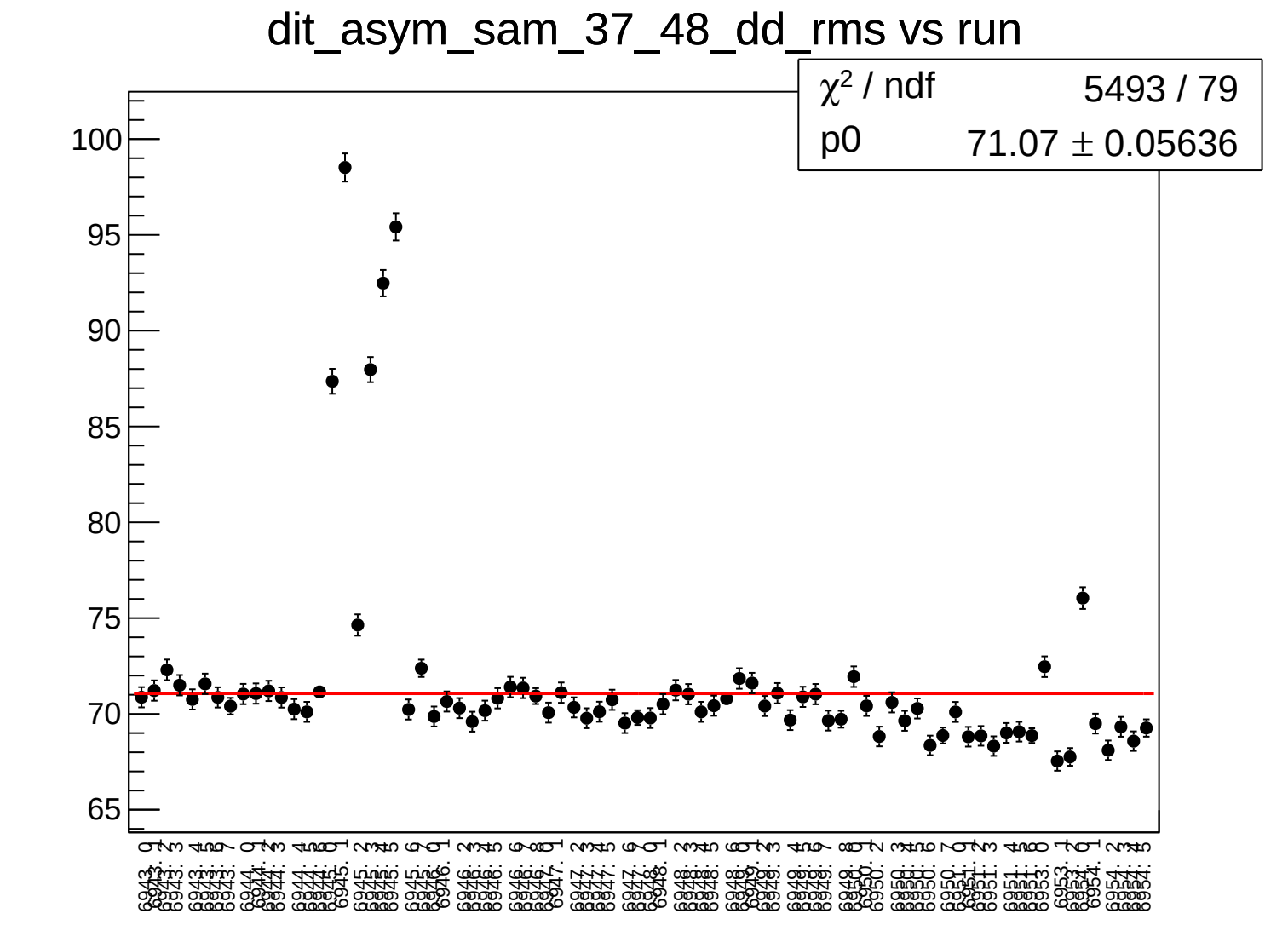

asym_sam_15_48_dd_mean vs run
χ² / ndf 80.1 / 79
p0 −2488 ± 745.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 127.5
Std Dev 113.2
2
1
0
−1
−2

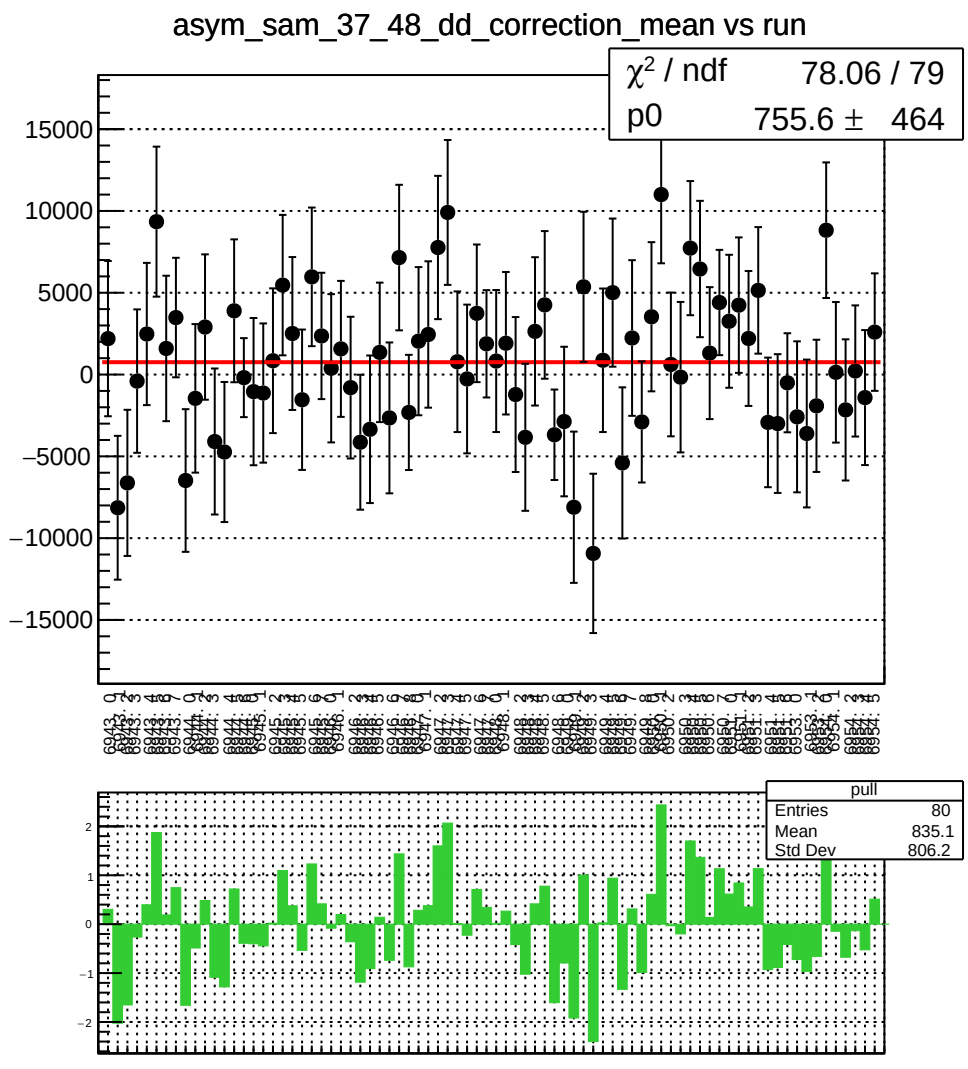

pull1D
Entries 80
Mean −0.01618
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

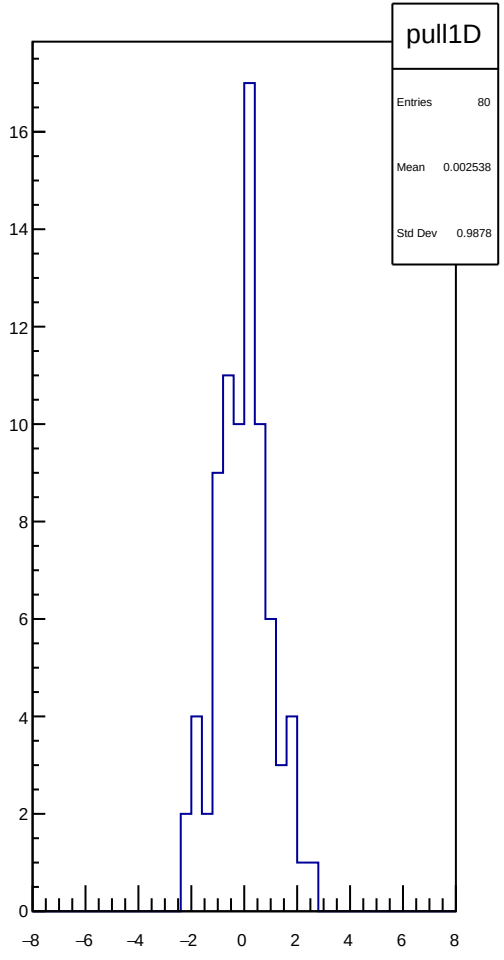

asym_sam_15_48_dd_rms vs run
χ² / ndf 1.186e+04 / 79
p0 663.4 ± 0.5271
800
750
700
650
600
550

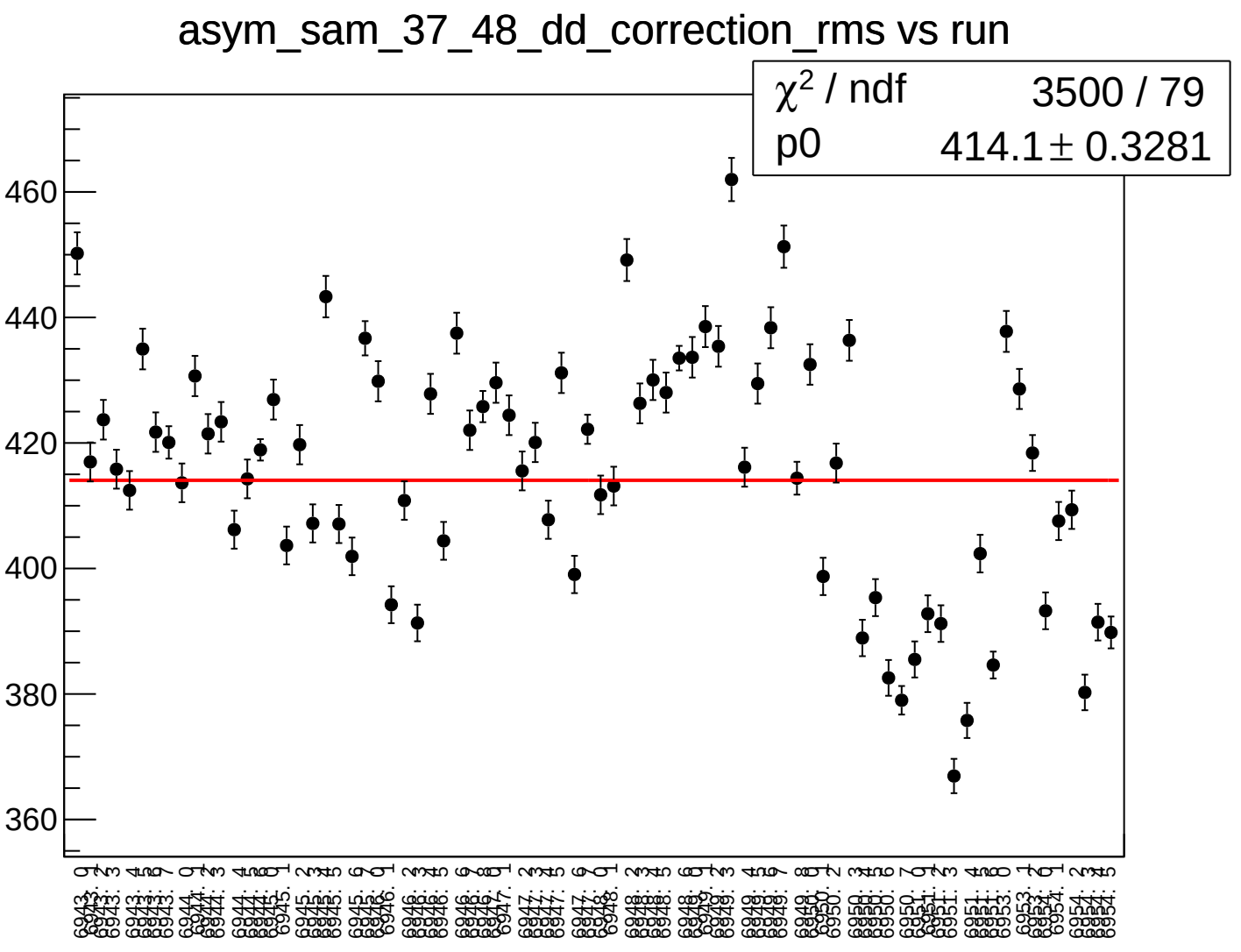

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 83.84 / 79
p0 −104 ± 79.7
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 914.3
Std Dev 882.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

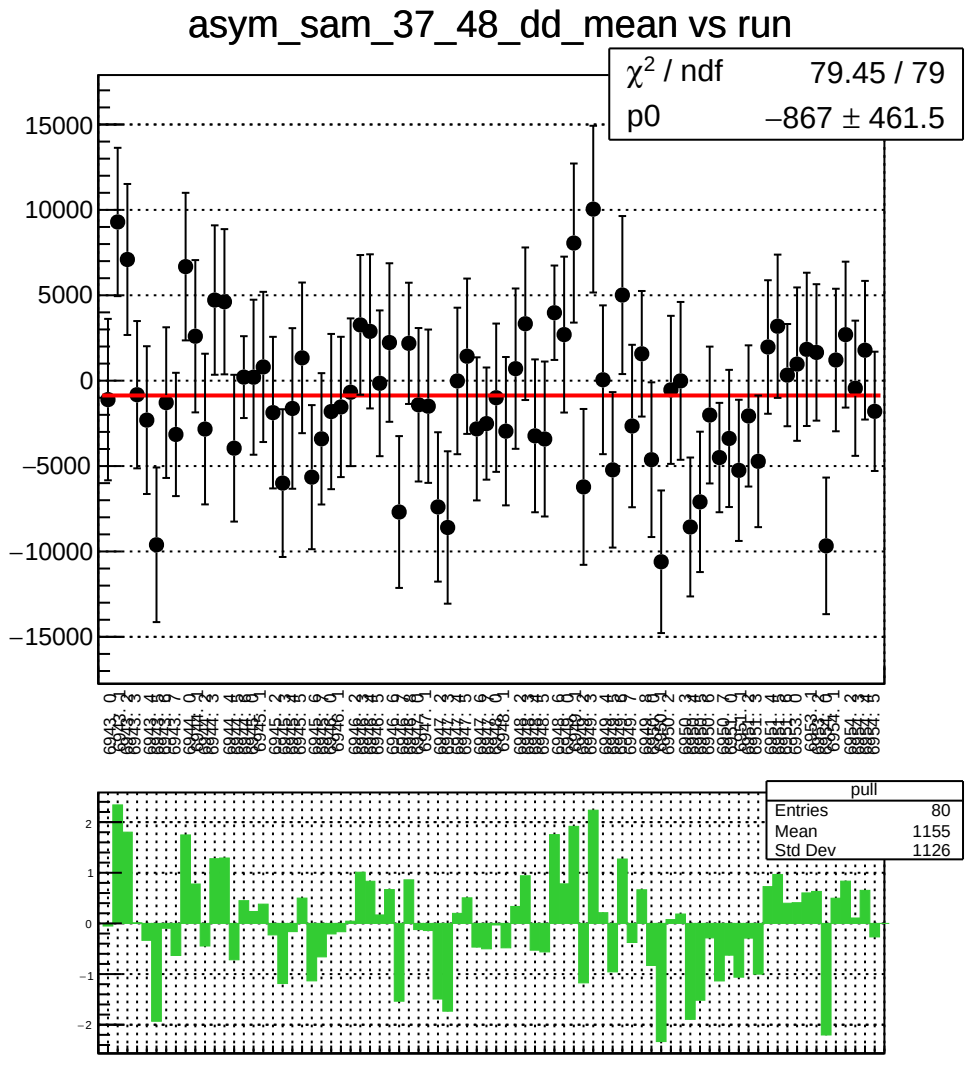

pull1D
Entries 80
Mean −0.00442
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

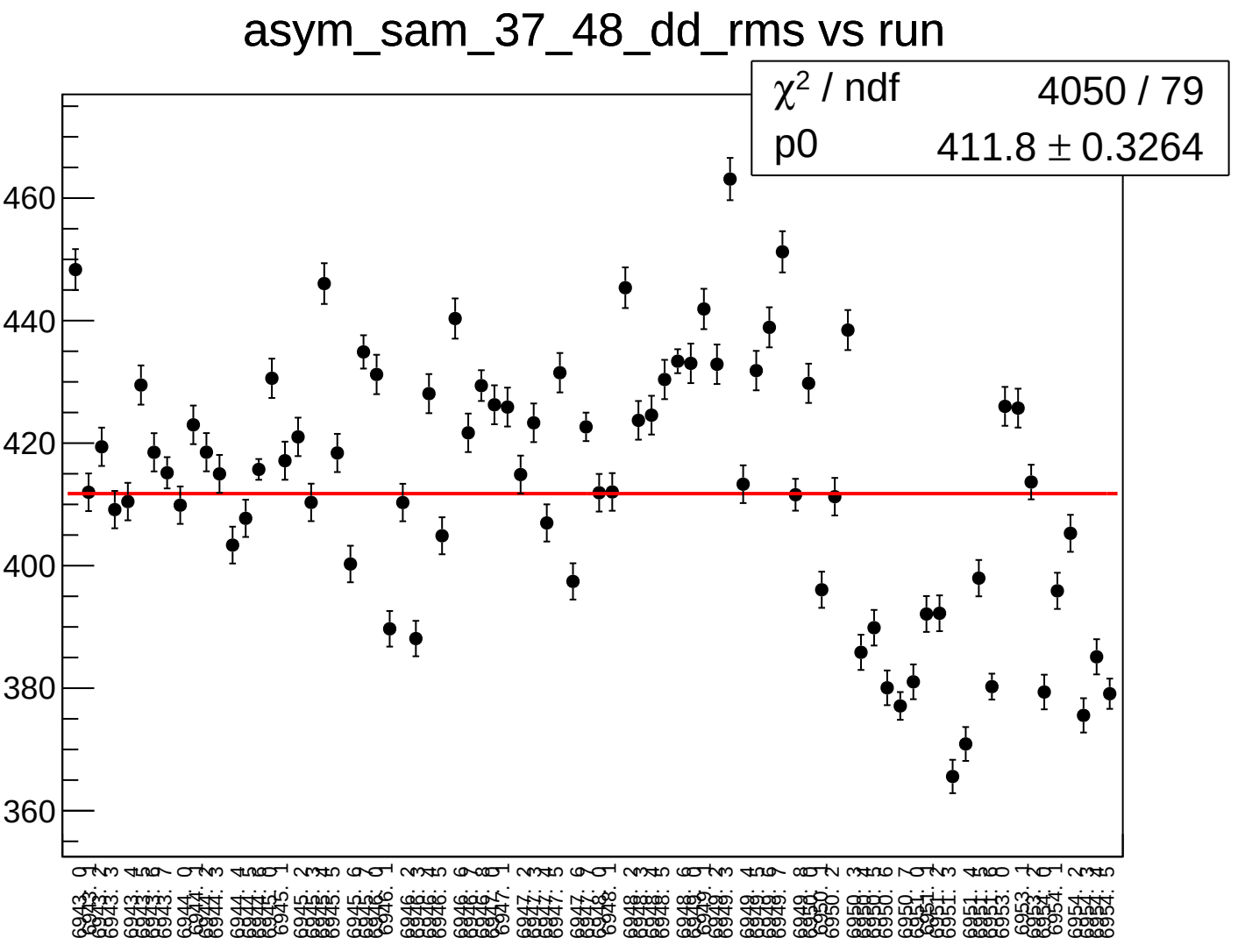

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 5493 / 79
p0 71.07 ± 0.05636
100
95
90
85
80
75
70
65

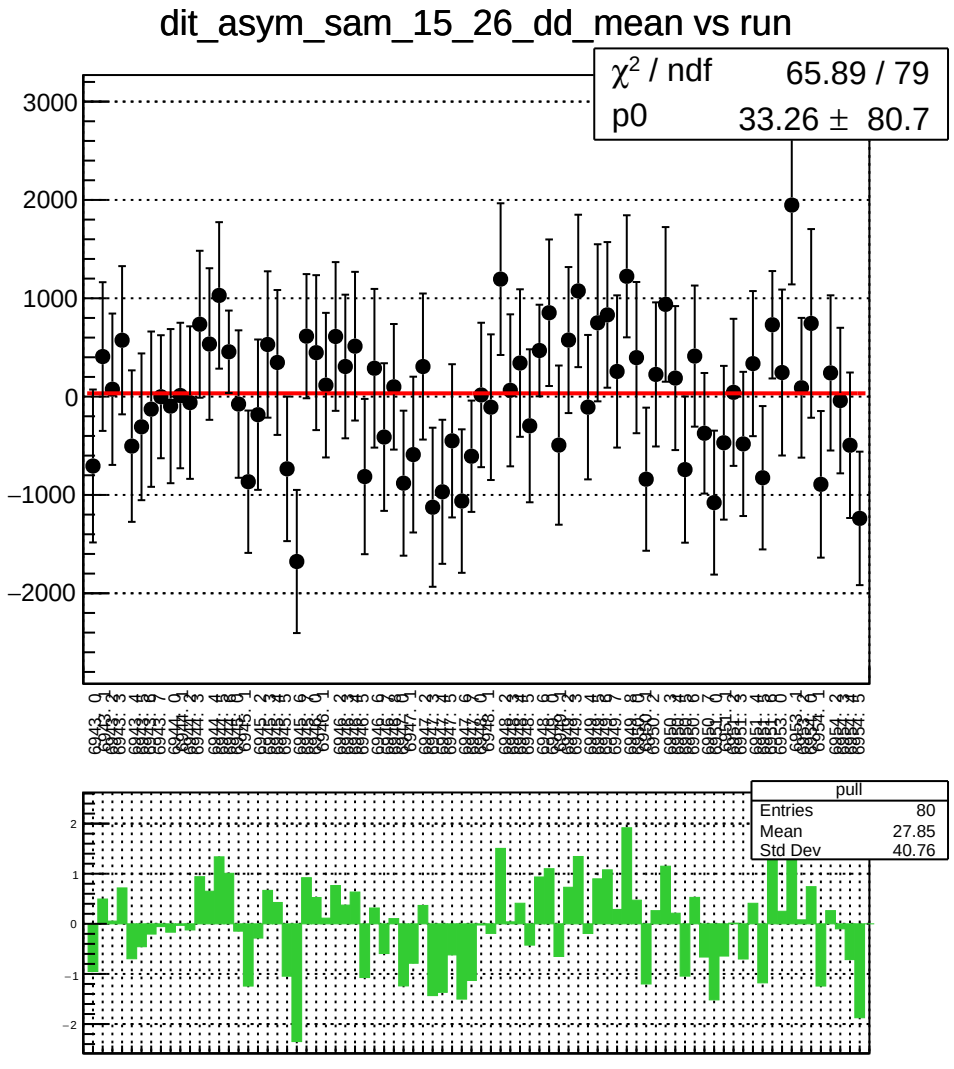

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 78.06 / 79
p0 755.6 ± 464
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 835.1
Std Dev 806.2
2
1
0
−1
−2

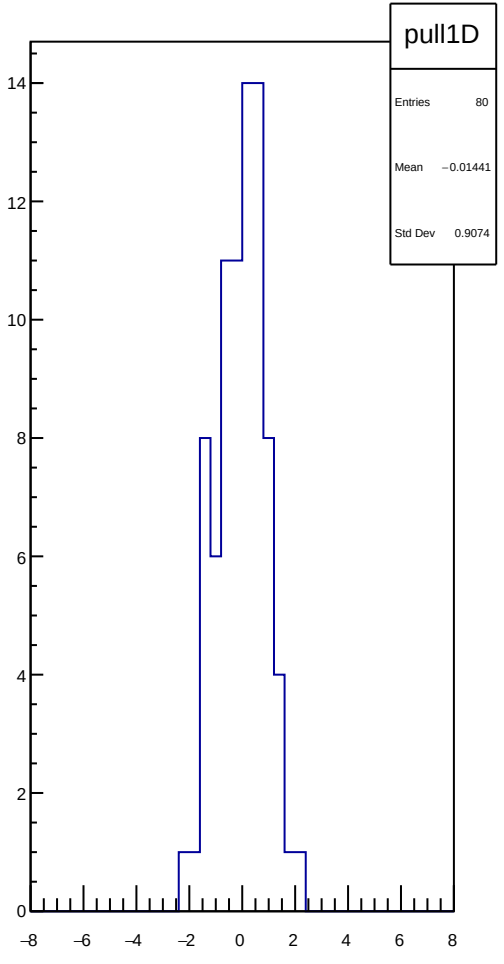

pull1D
Entries 80
Mean 0.002538
Std Dev 0.9878
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

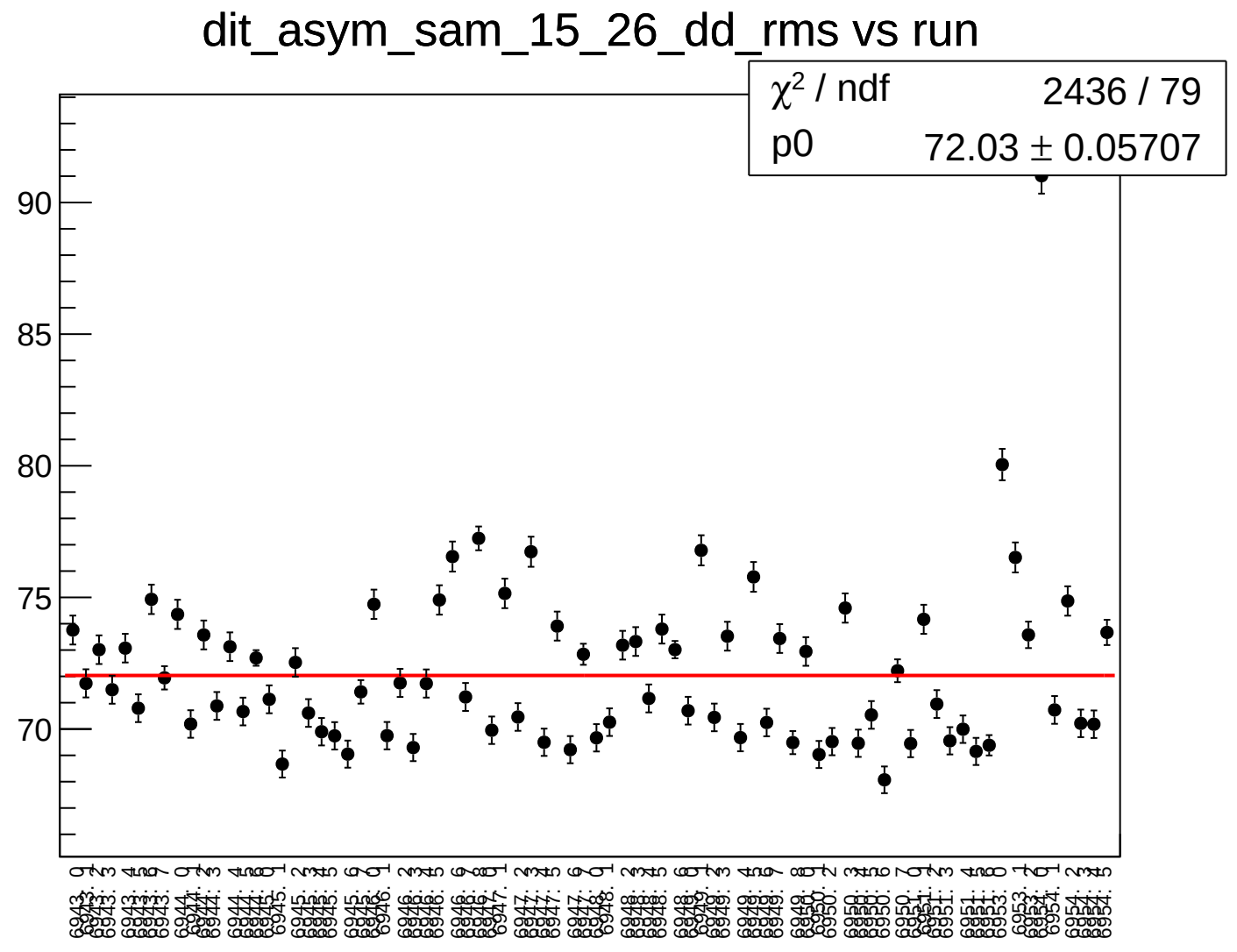

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3500 / 79
p0 414.1 ± 0.3281
460
440
420
400
380
360

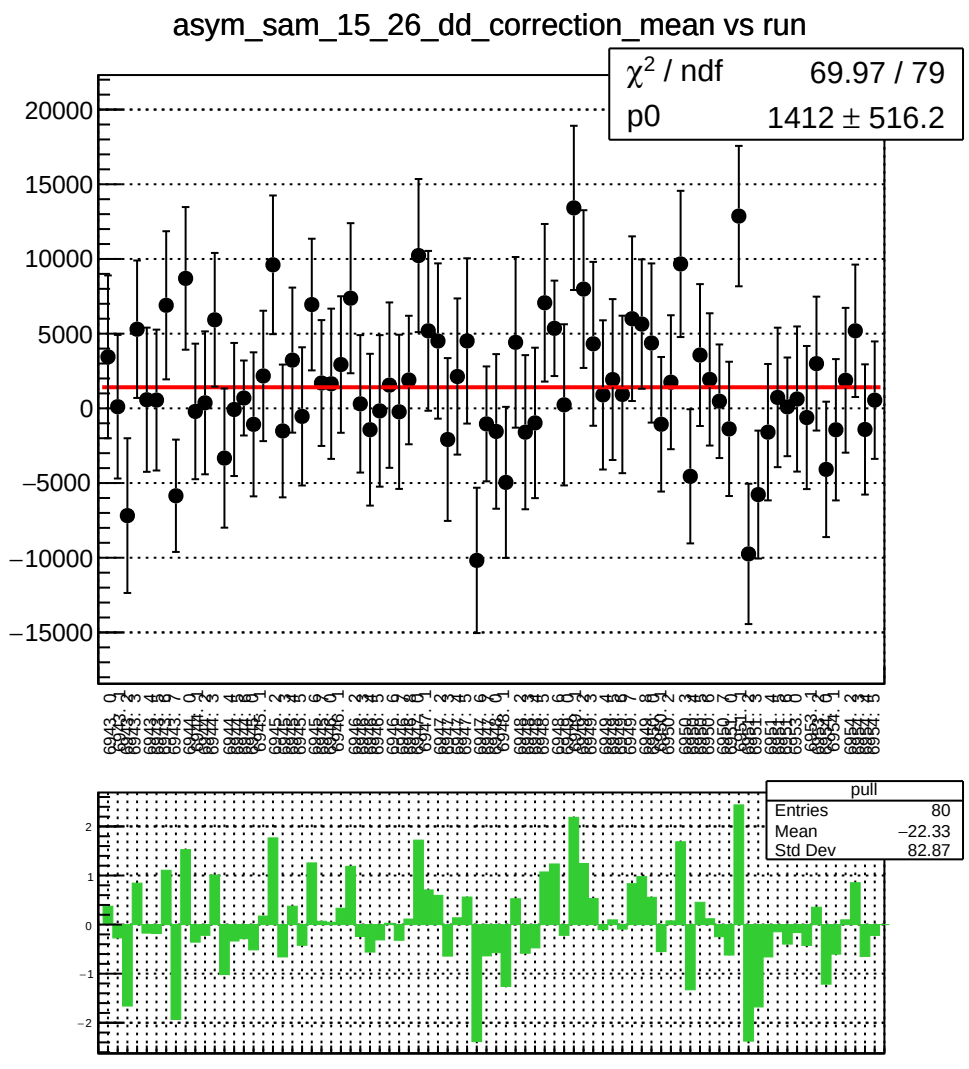

asym_sam_37_48_dd_mean vs run
χ² / ndf 79.45 / 79
p0 −867 ± 461.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 1155
Std Dev 1126
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.002408
Std Dev 0.9965
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

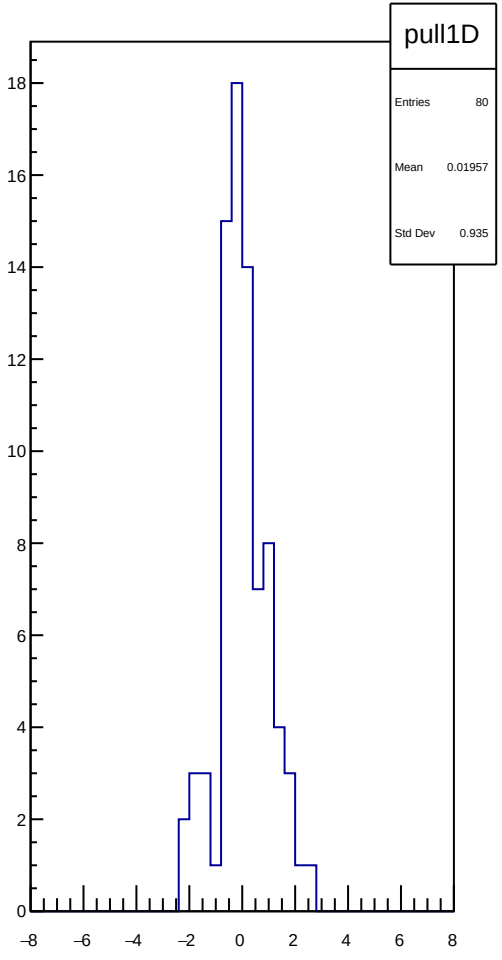

asym_sam_37_48_dd_rms vs run
χ² / ndf 4050 / 79
p0 411.8 ± 0.3264
460
440
420
400
380
360

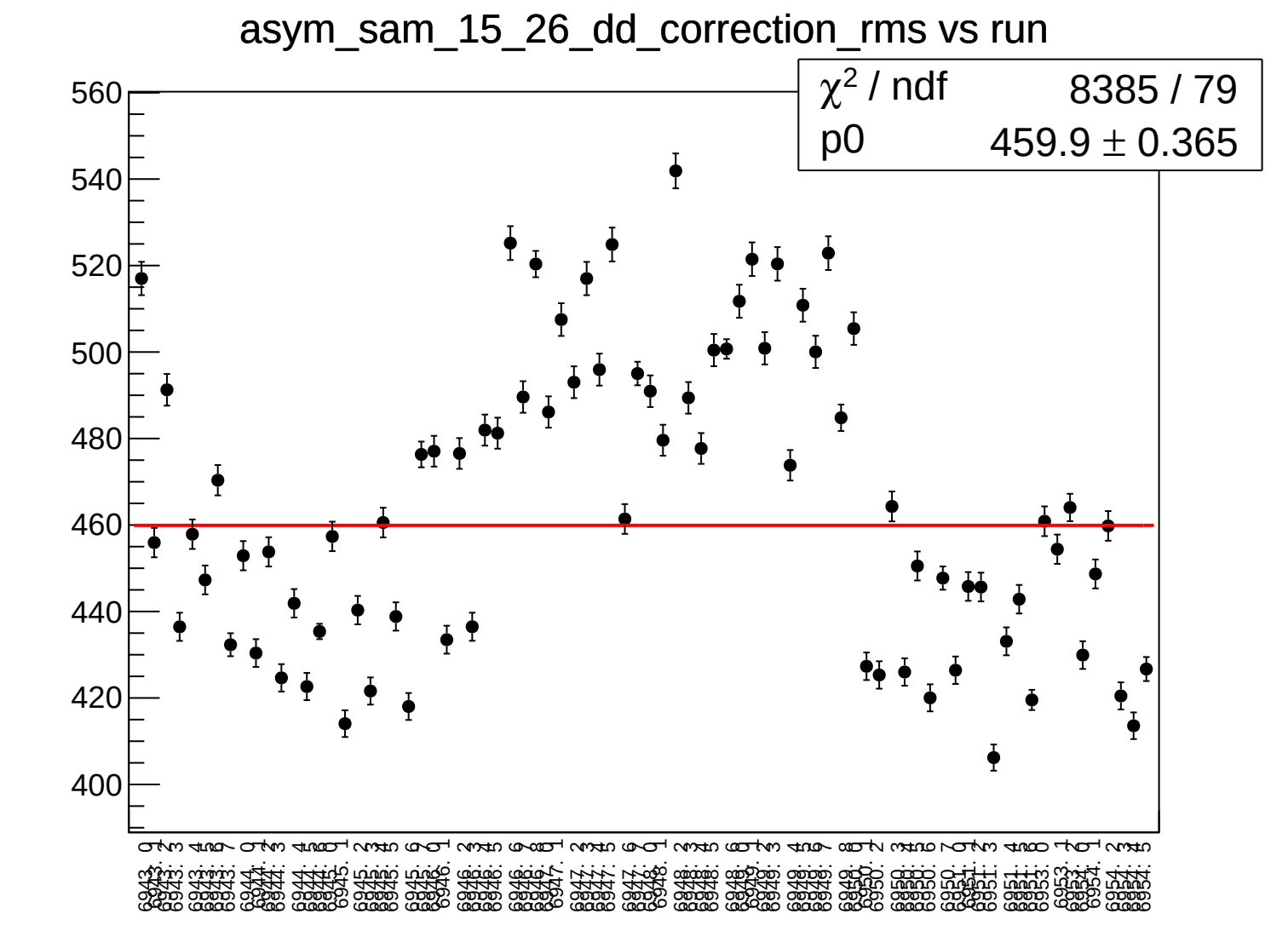

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 65.89 / 79
p0 33.26 ± 80.7
pull
Entries 80
Mean 27.85
Std Dev 40.76

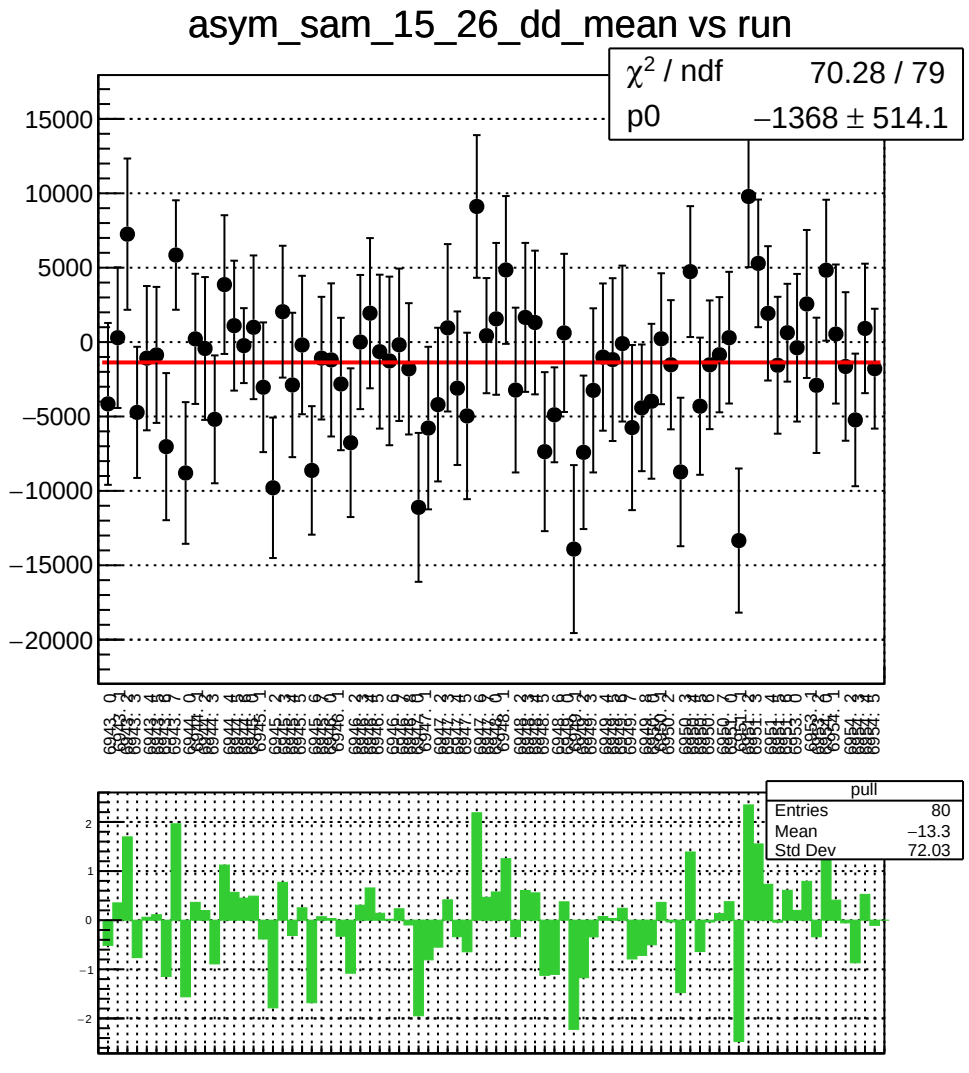

pull1D
Entries 80
Mean −0.01441
Std Dev 0.9074

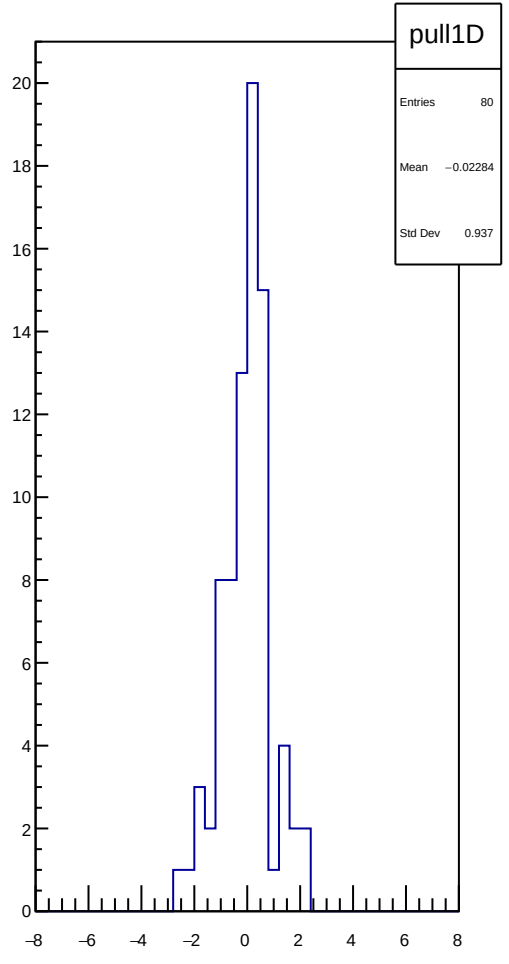

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2436 / 79
p0 72.03 ± 0.05707
90
85
80
75
70

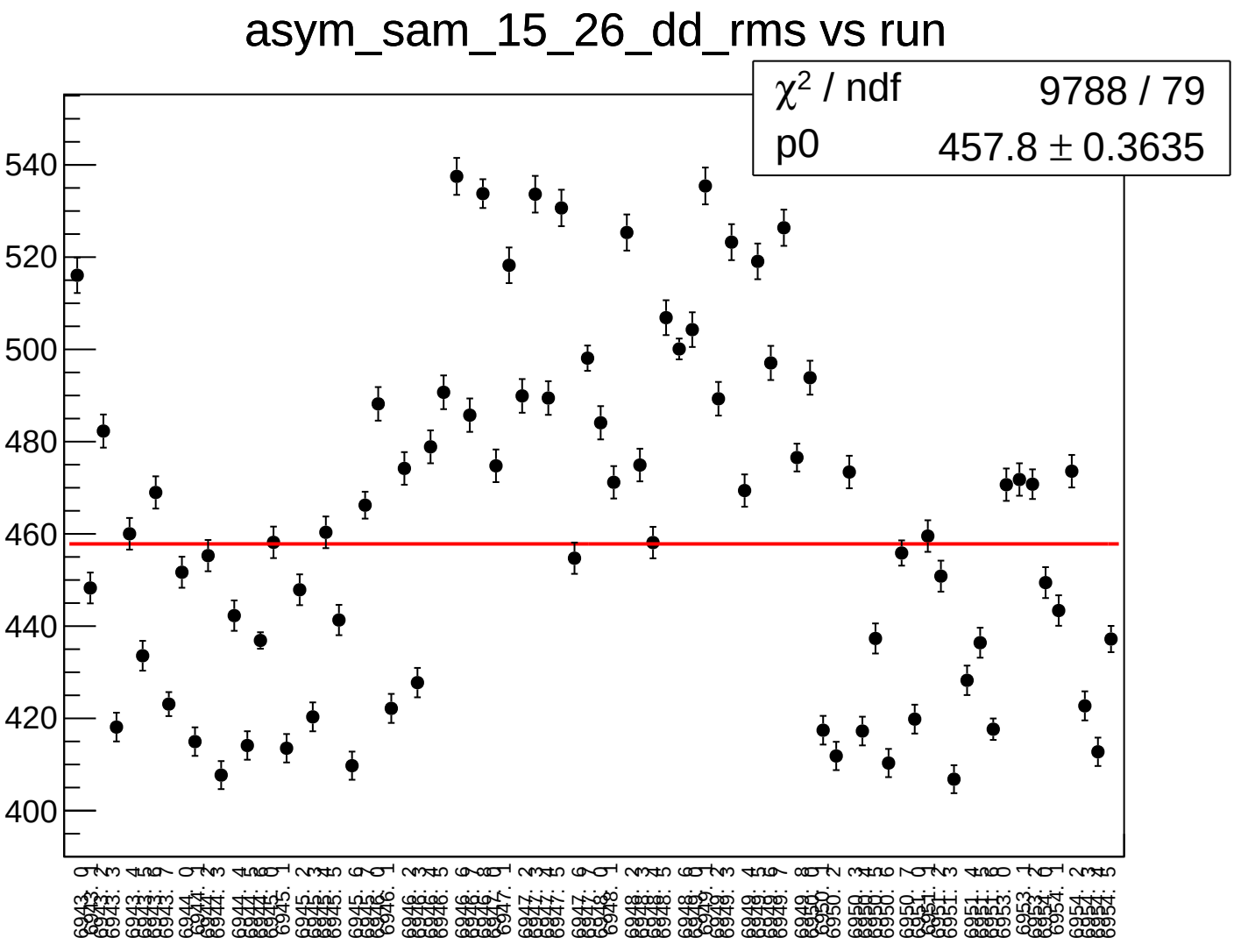

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 69.97 / 79
p0 1412 ± 516.2
pull
Entries 80
Mean −22.33
Std Dev 82.87

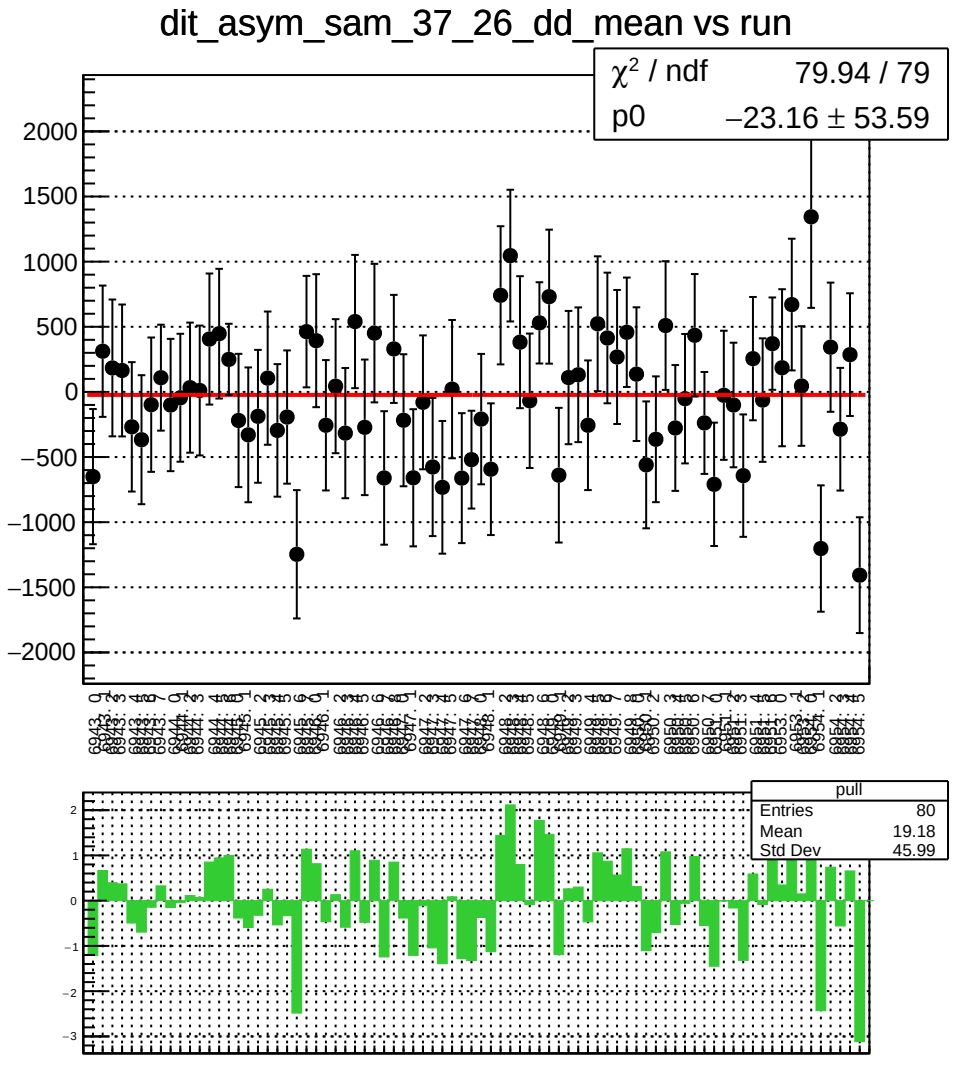

pull1D
Entries 80
Mean 0.01957
Std Dev 0.935

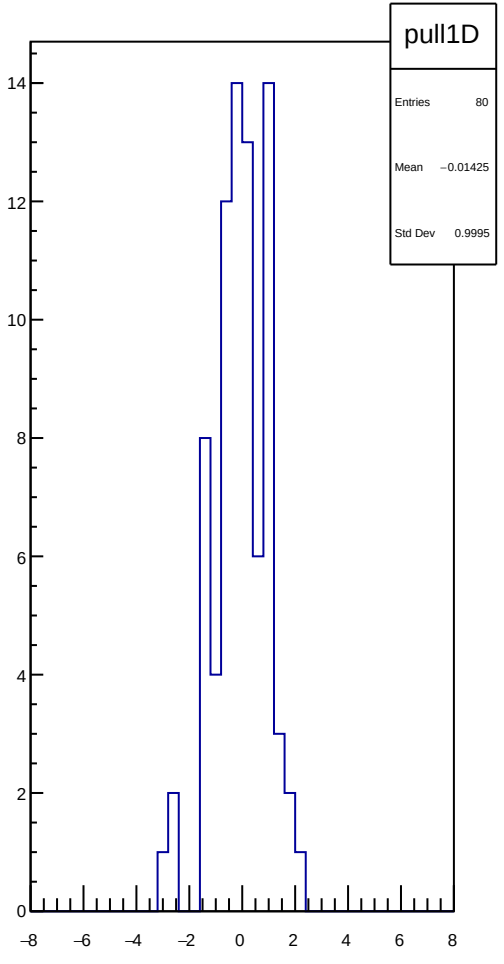

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 8385 / 79
p0 459.9 ± 0.365
560
540
520
500
480
460
440
420
400

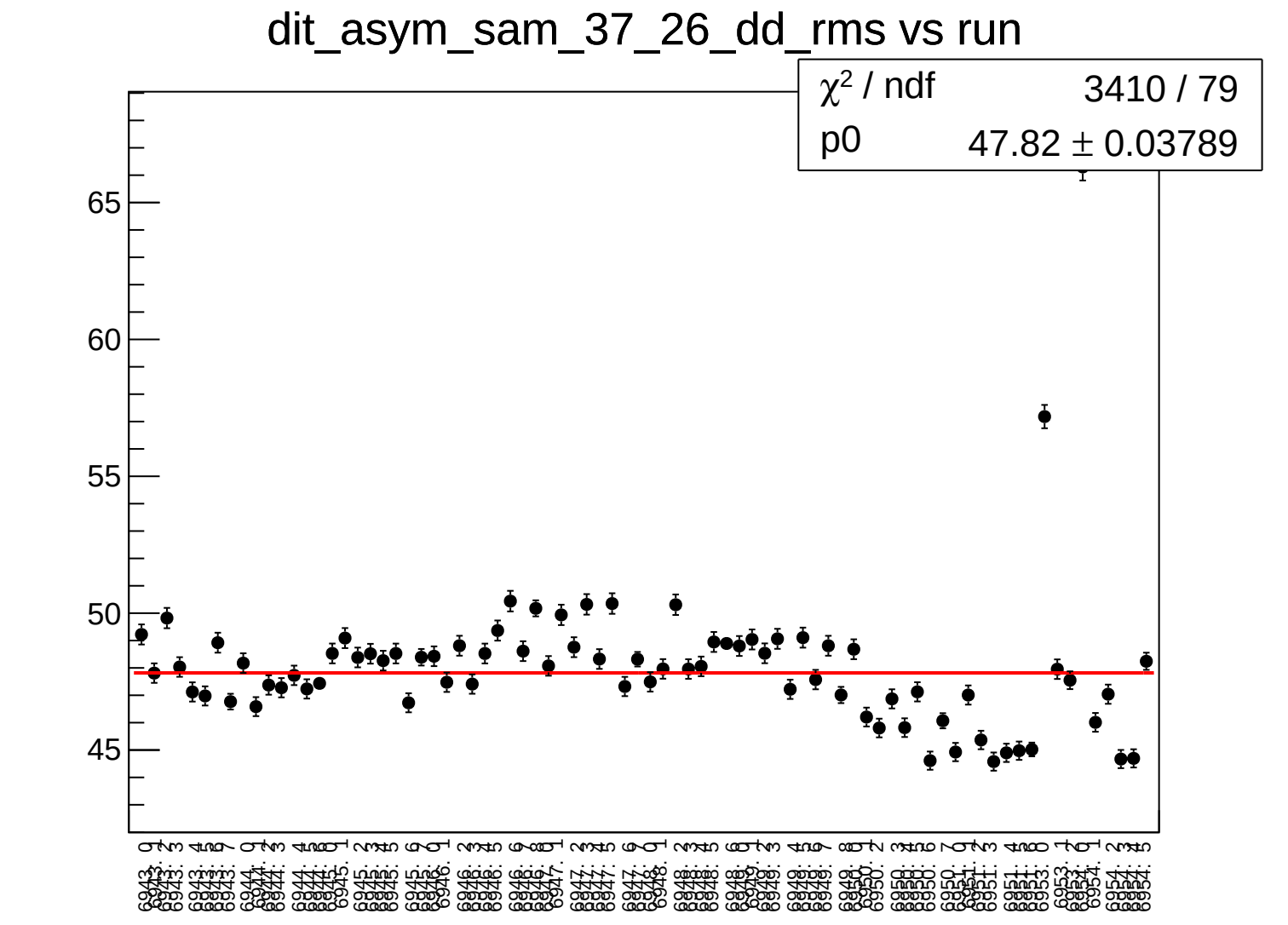

asym_sam_15_26_dd_mean vs run
χ² / ndf 70.28 / 79
p0 −1368 ± 514.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −13.3
Std Dev 72.03
2
1
0
−1
−2

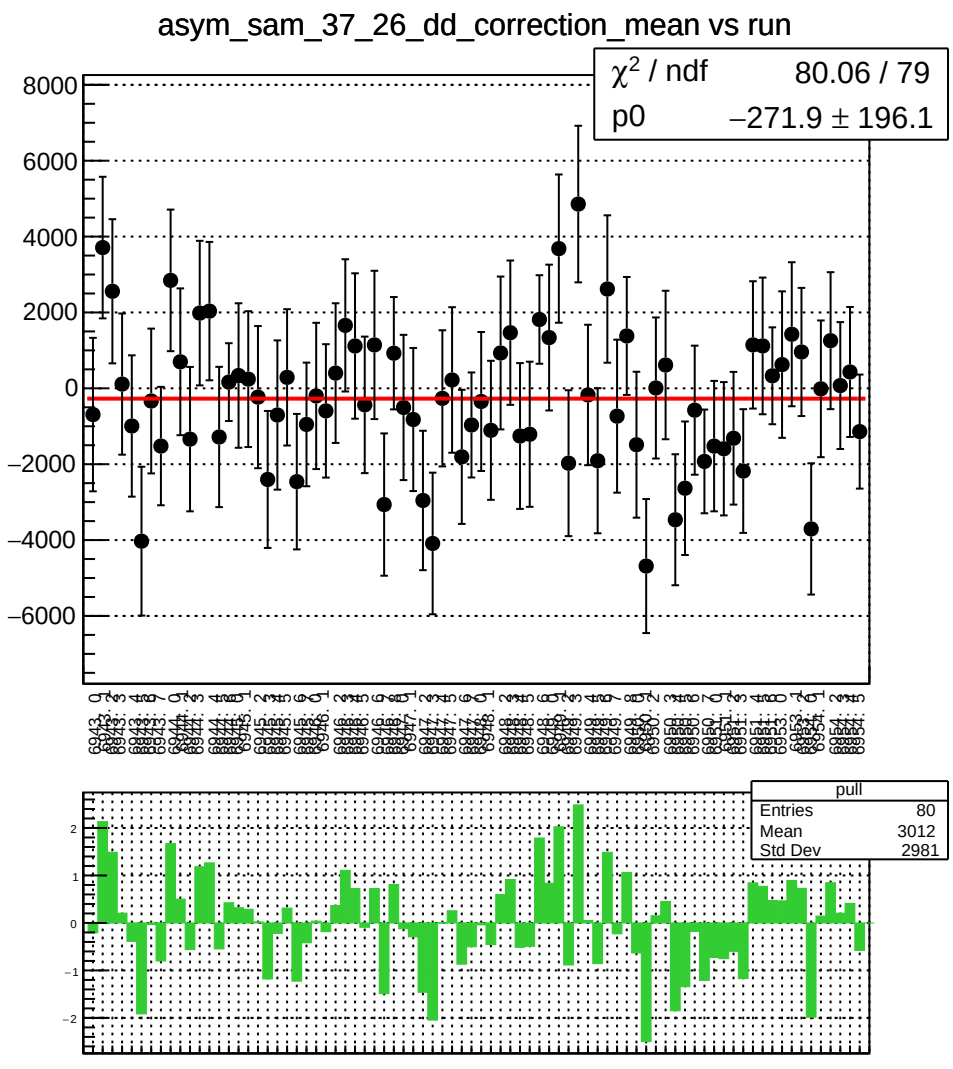

pull1D
Entries 80
Mean −0.02284
Std Dev 0.937
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

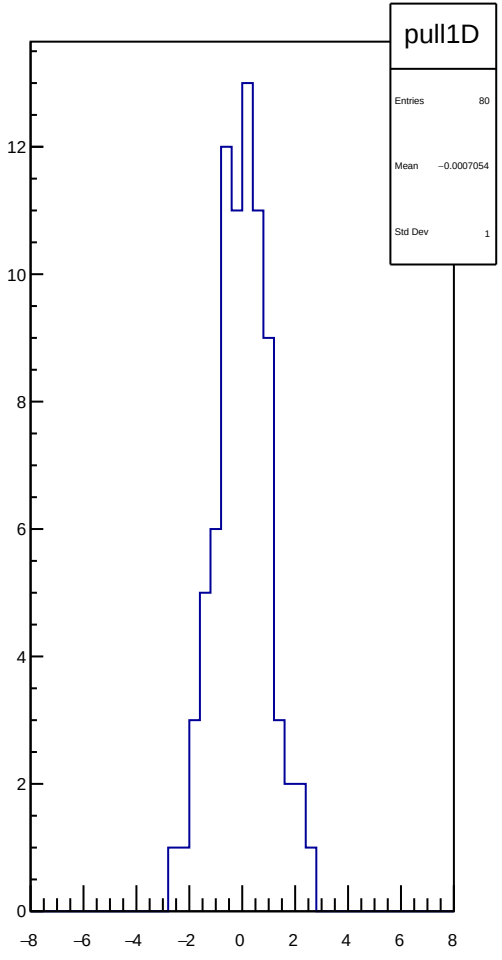

asym_sam_15_26_dd_rms vs run
χ² / ndf 9788 / 79
p0 457.8 ± 0.3635
540
520
500
480
460
440
420
400

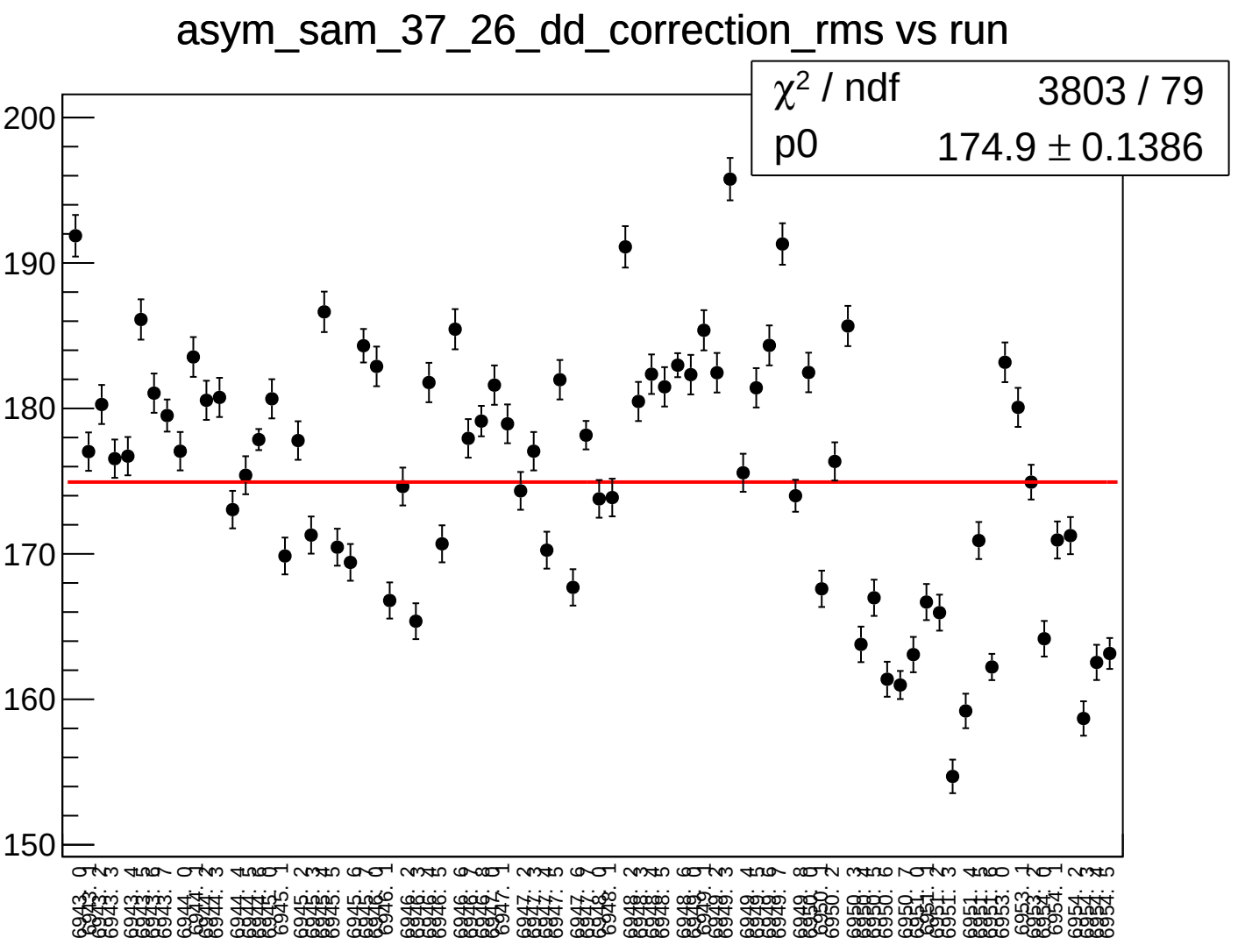

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 79.94 / 79
p0 −23.16 ± 53.59
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 80
Mean 19.18
Std Dev 45.99
2
1
0
−1
−2
−3

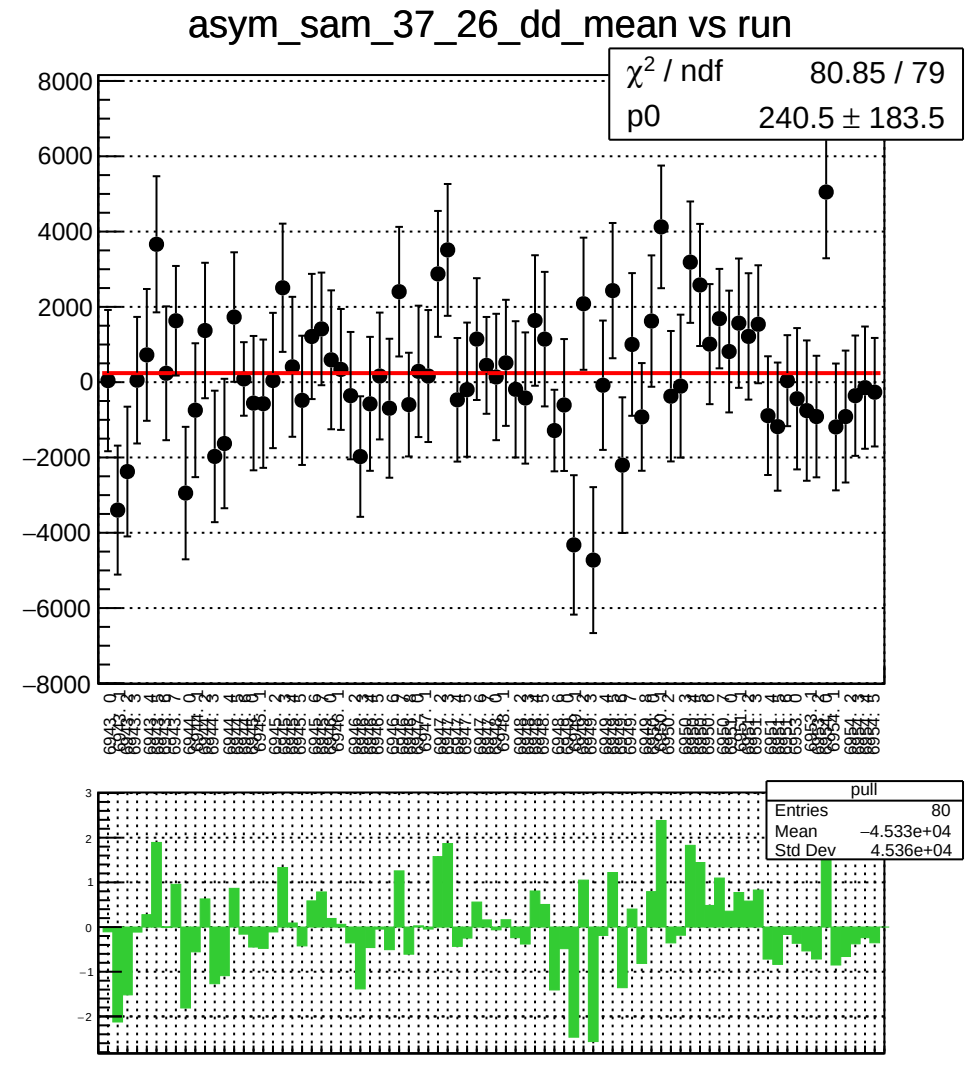

pull1D
Entries 80
Mean −0.01425
Std Dev 0.9995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

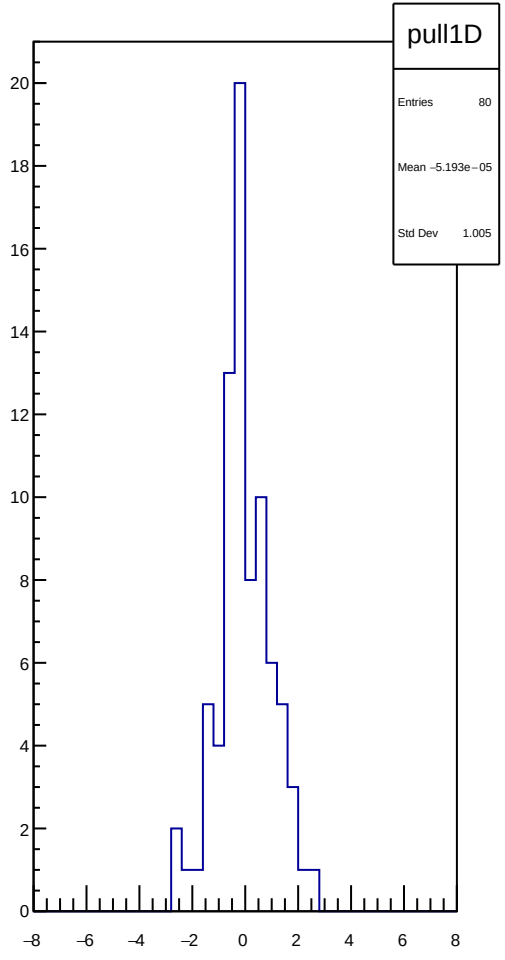

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3410 / 79
p0 47.82 ± 0.03789
65
60
55
50
45

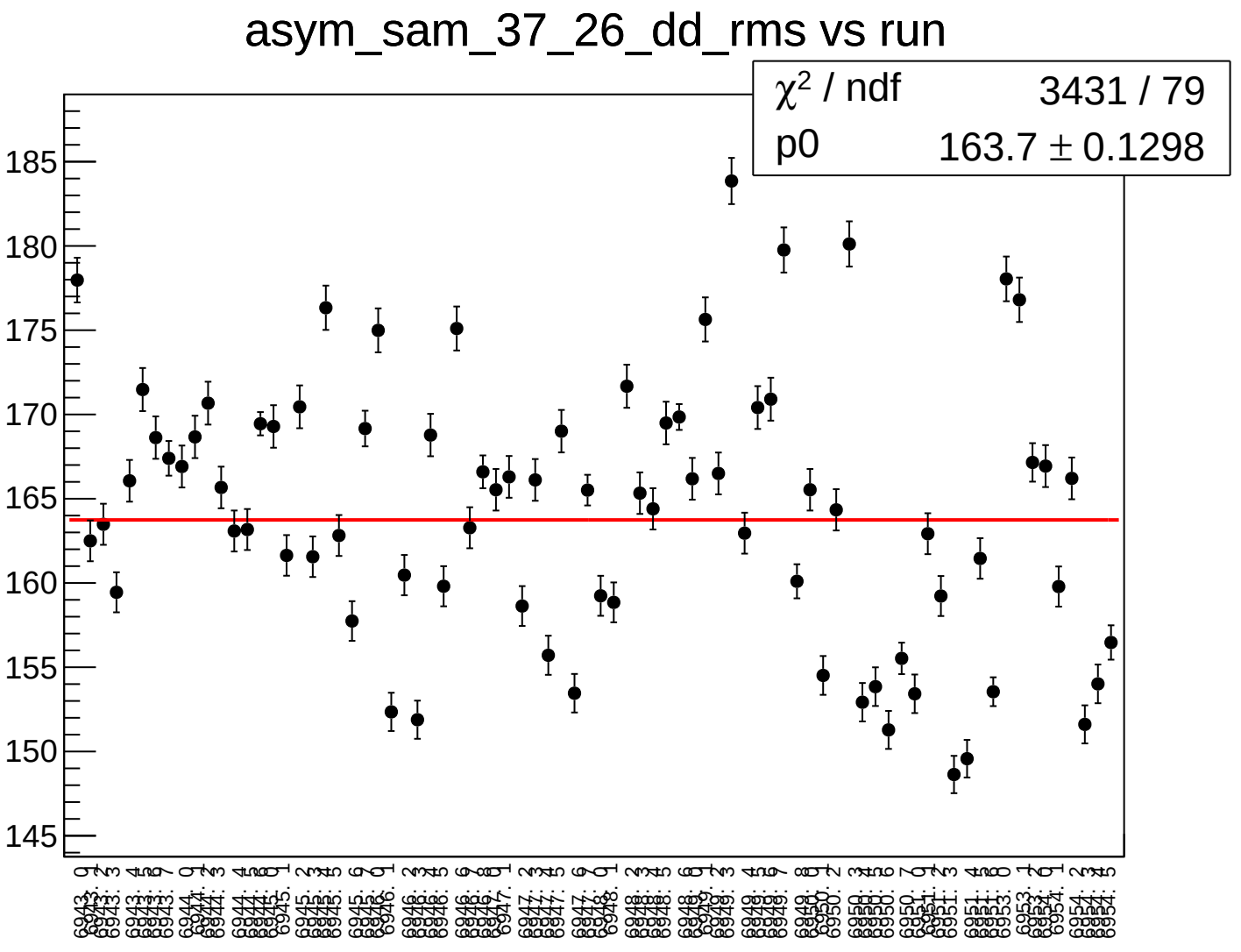

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 80.06 / 79
p0 −271.9 ± 196.1
pull
Entries 80
Mean 3012
Std Dev 2981

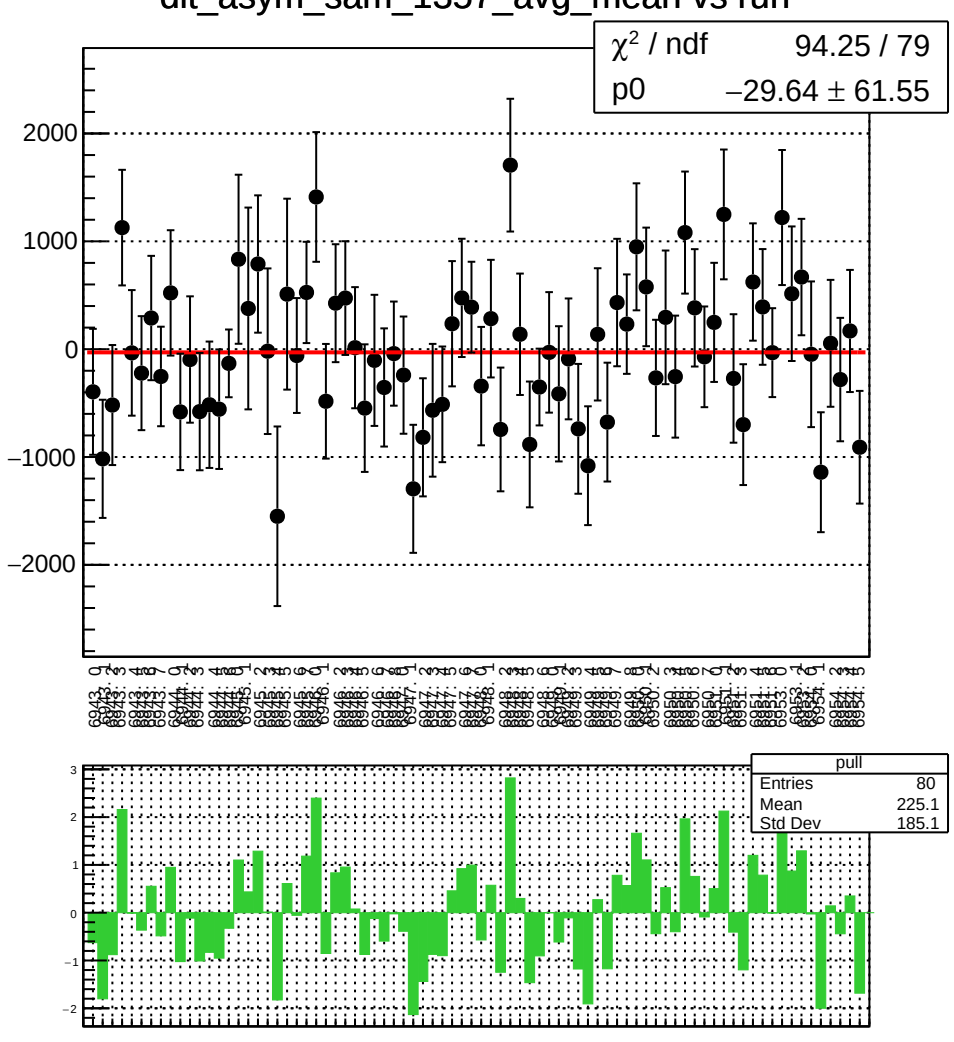

pull1D
Entries 80
Mean −0.0007054
Std Dev 1

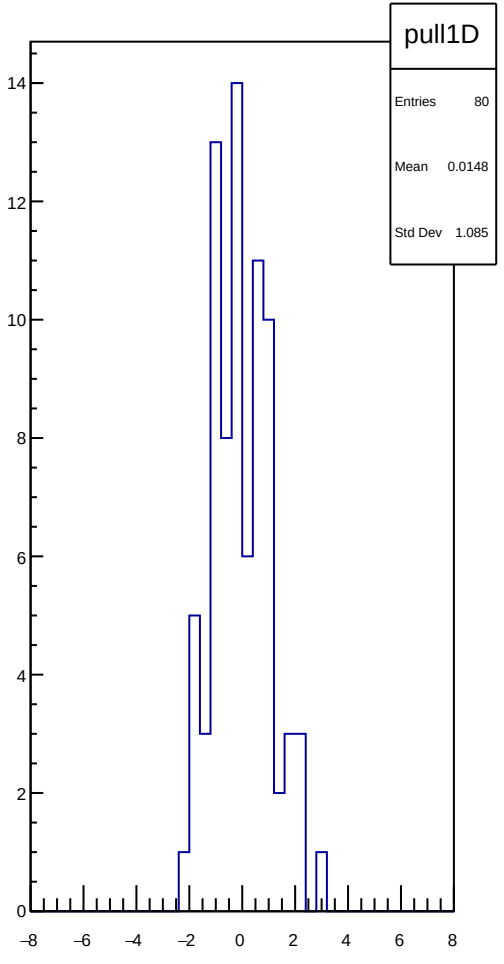

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3803 / 79
p0 174.9 ± 0.1386
200
190
180
170
160
150

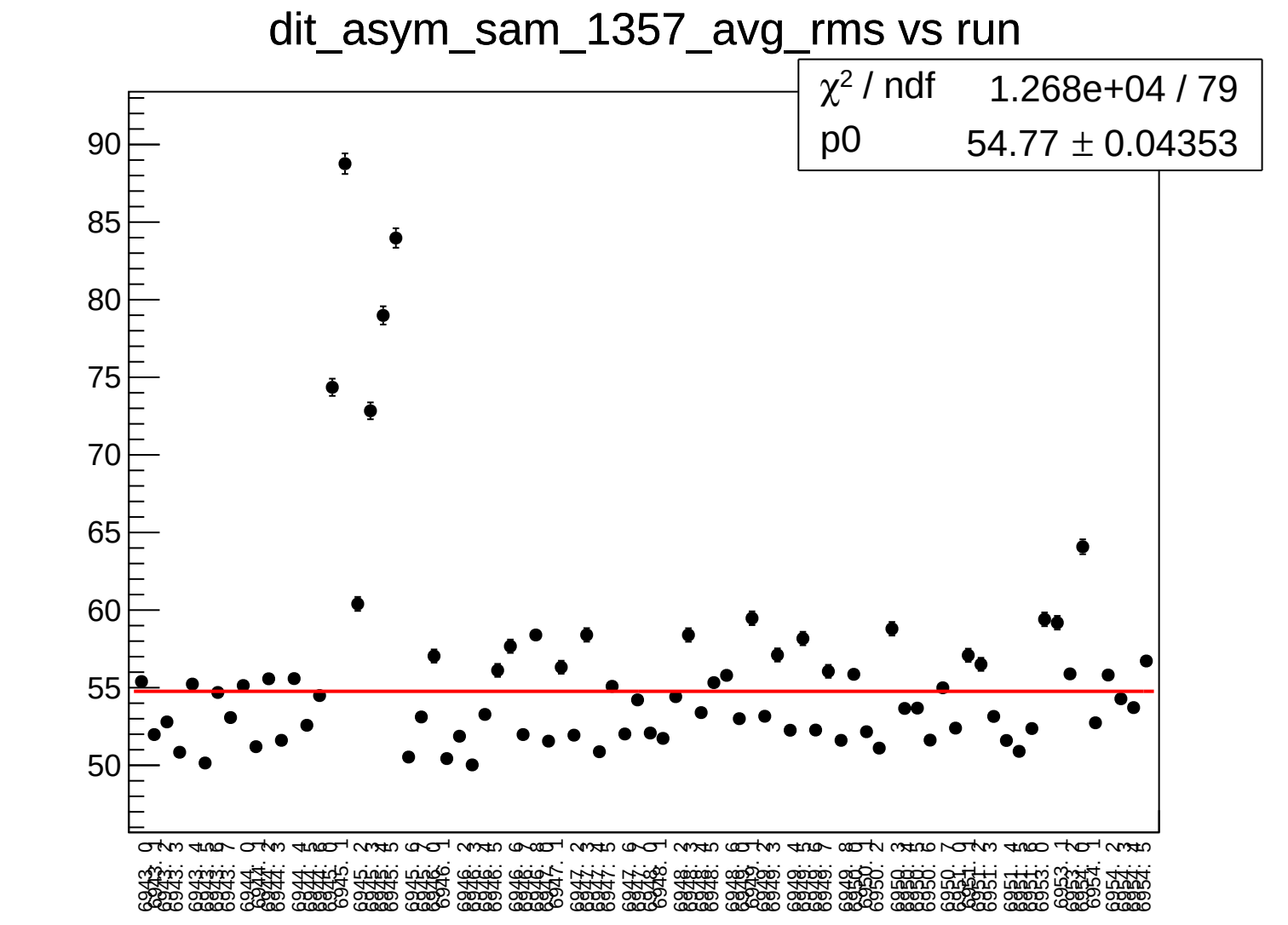

asym_sam_37_26_dd_mean vs run
χ² / ndf 80.85 / 79
p0 240.5 ± 183.5
pull
Entries 80
Mean −4.533e+04
Std Dev 4.536e+04

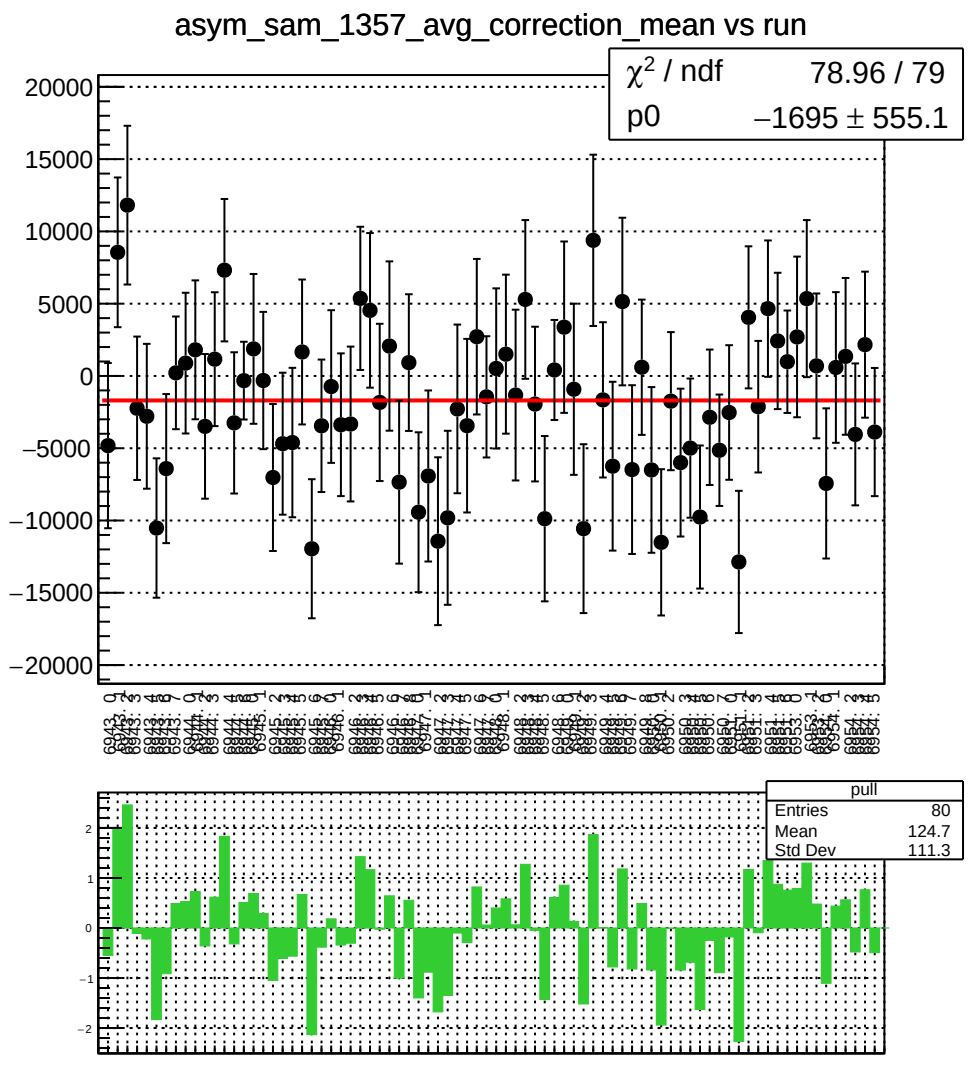

pull1D
Entries 80
Mean −5.193e−05
Std Dev 1.005

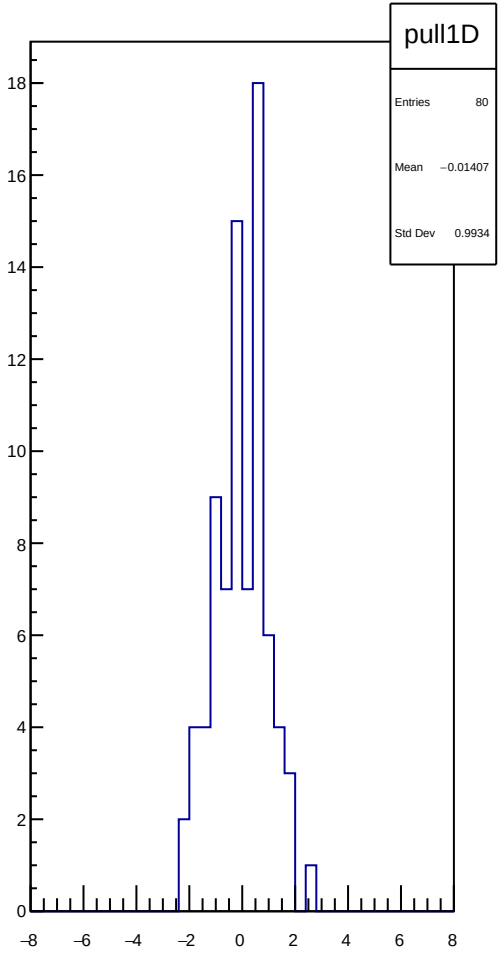

asym_sam_37_26_dd_rms vs run
χ² / ndf 3431 / 79
p0 163.7 ± 0.1298
185
180
175
170
165
160
155
150
145

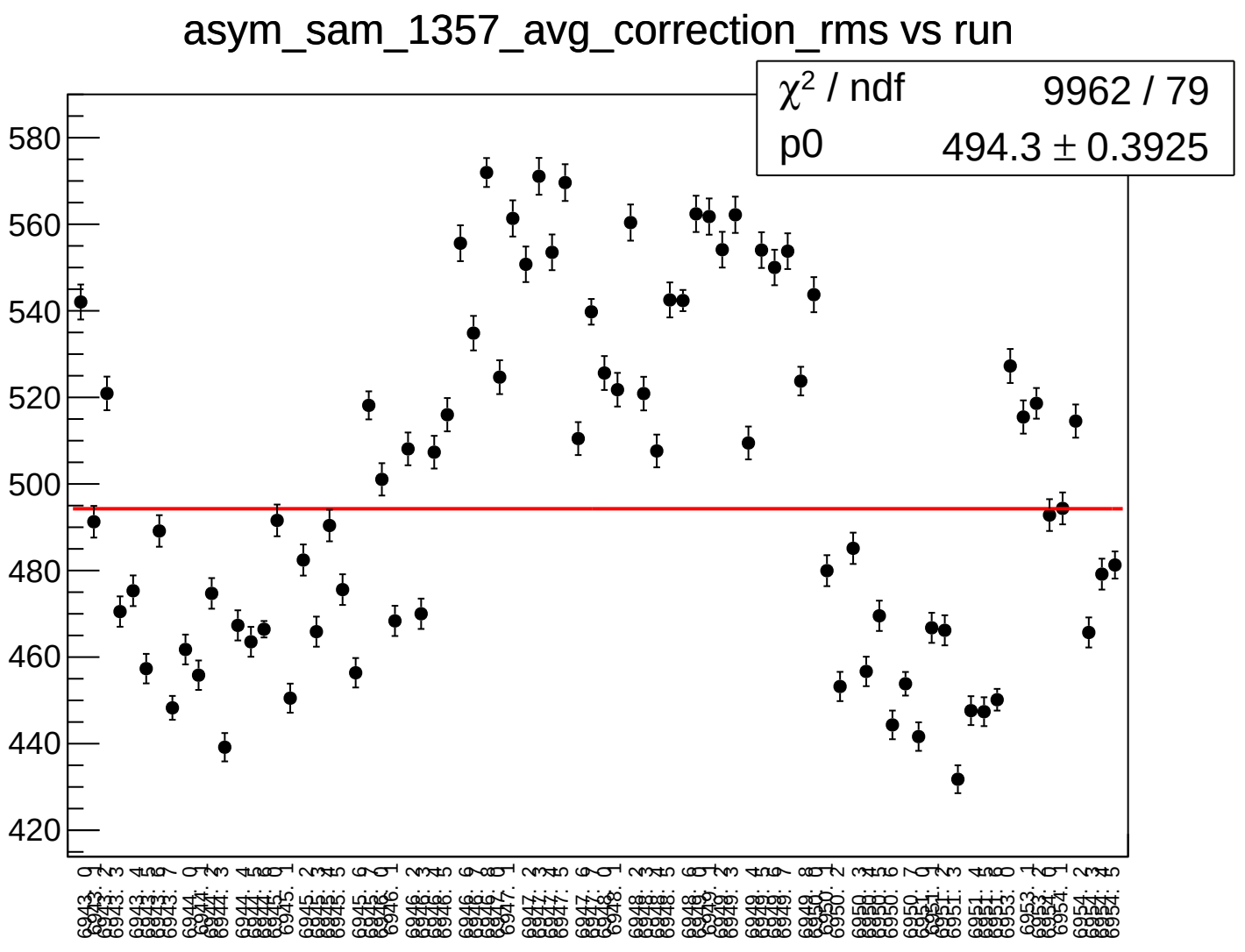

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 94.25 / 79
p0 −29.64 ± 61.55
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 225.1
Std Dev 185.1
3
2
1
0
−1
−2

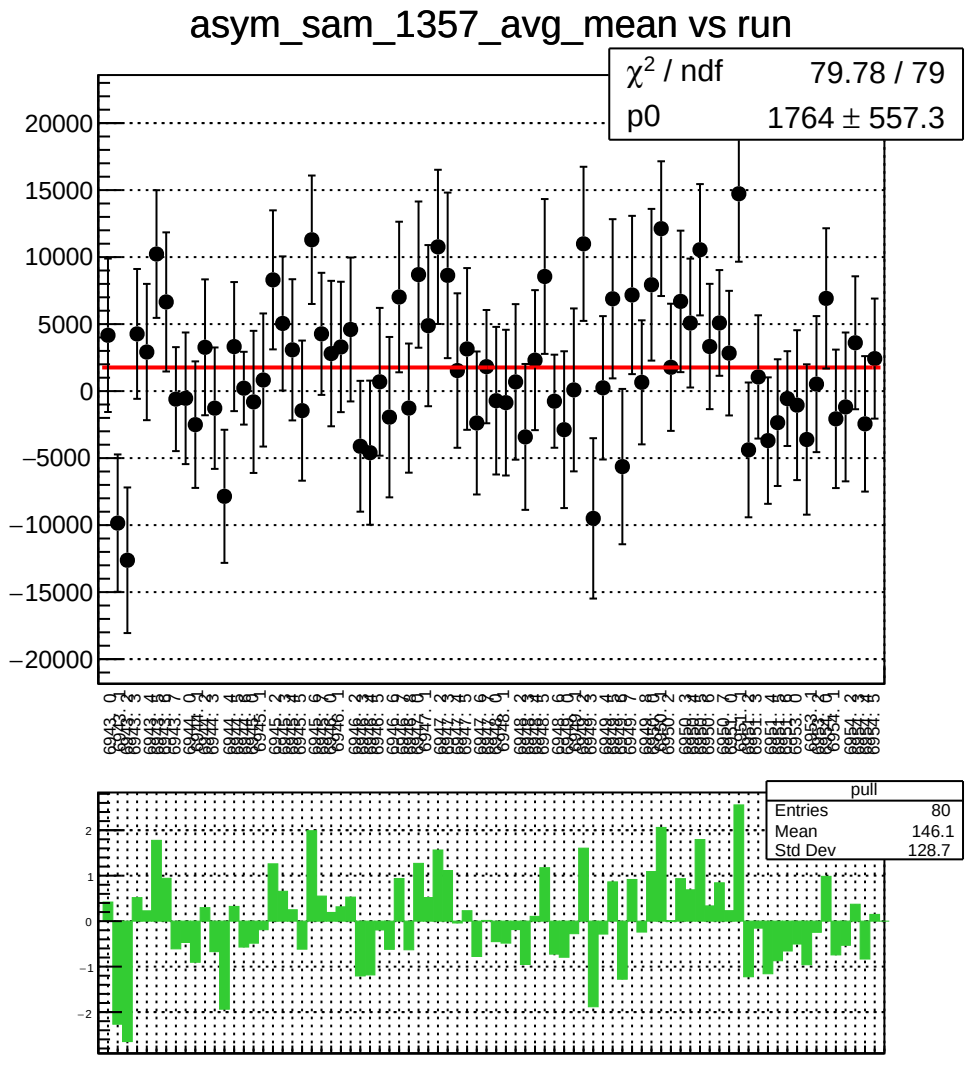

pull1D
Entries 80
Mean 0.0148
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

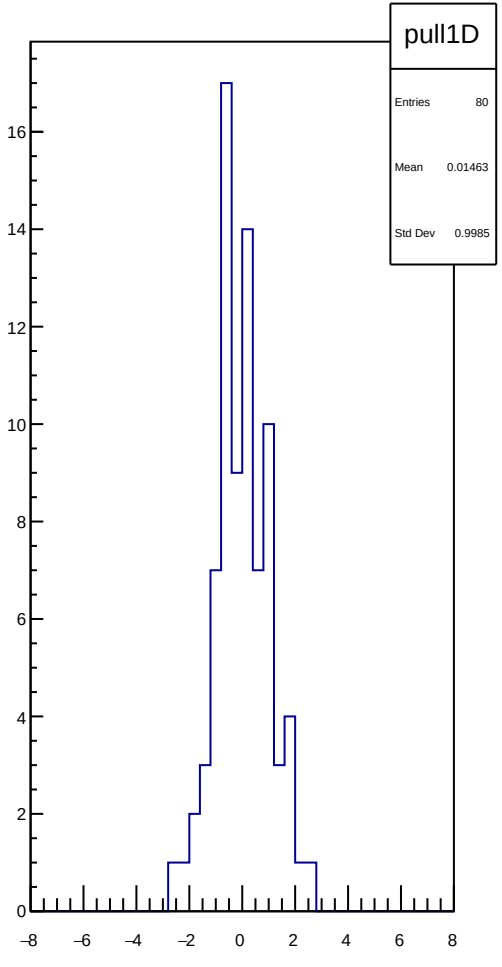

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.268e+04 / 79
p0 54.77 ± 0.04353
90
85
80
75
70
65
60
55
50

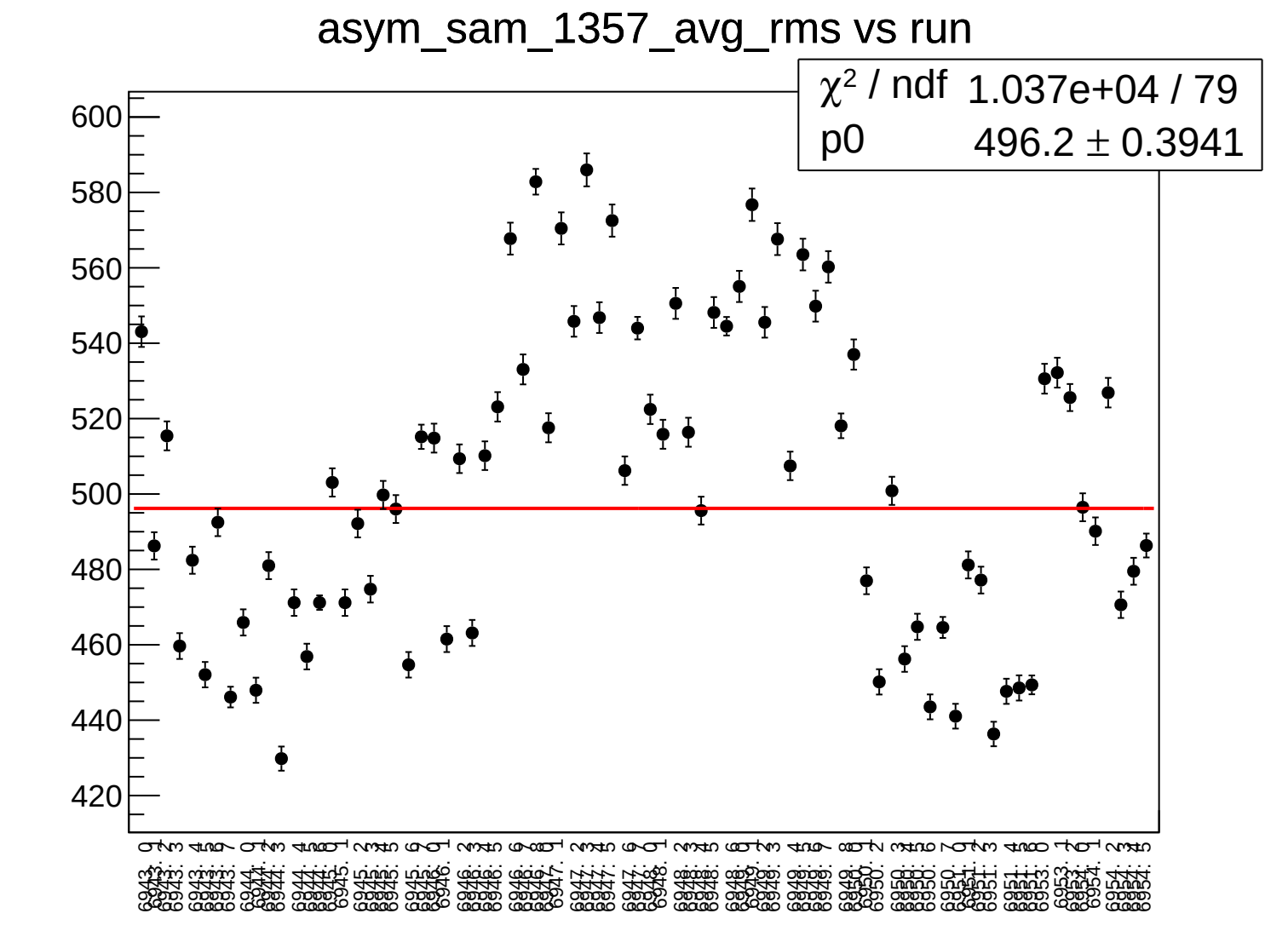

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 78.96 / 79
p0 −1695 ± 555.1
pull
Entries 80
Mean 124.7
Std Dev 111.3

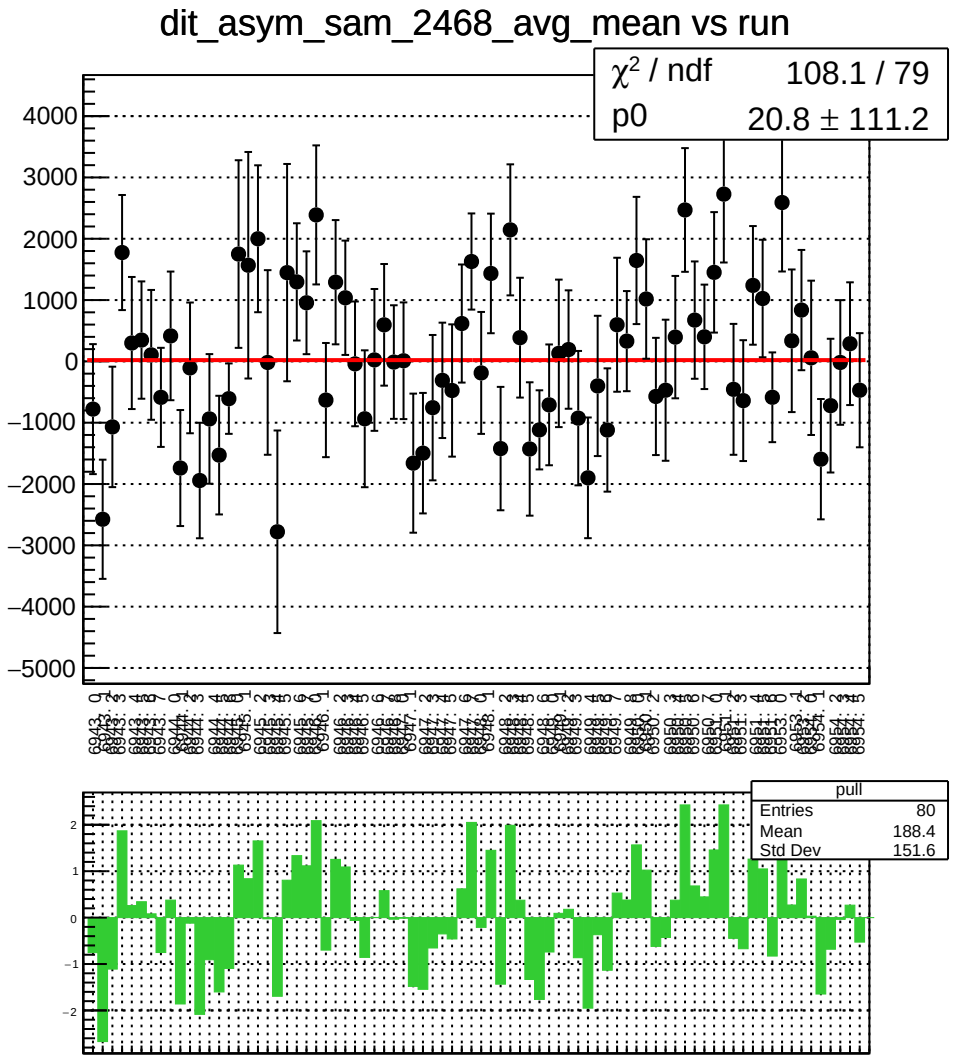

pull1D
Entries 80
Mean −0.01407
Std Dev 0.9934

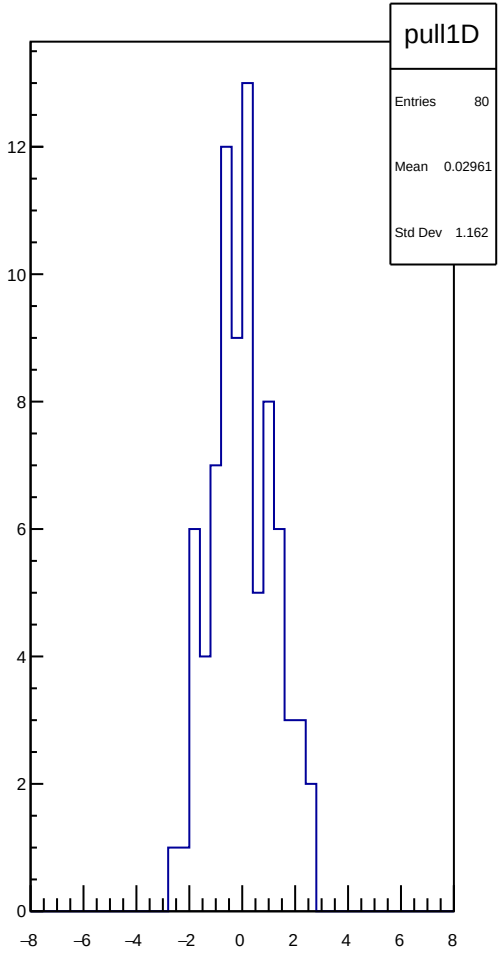

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 9962 / 79
p0 494.3 ± 0.3925
580
560
540
520
500
480
460
440
420

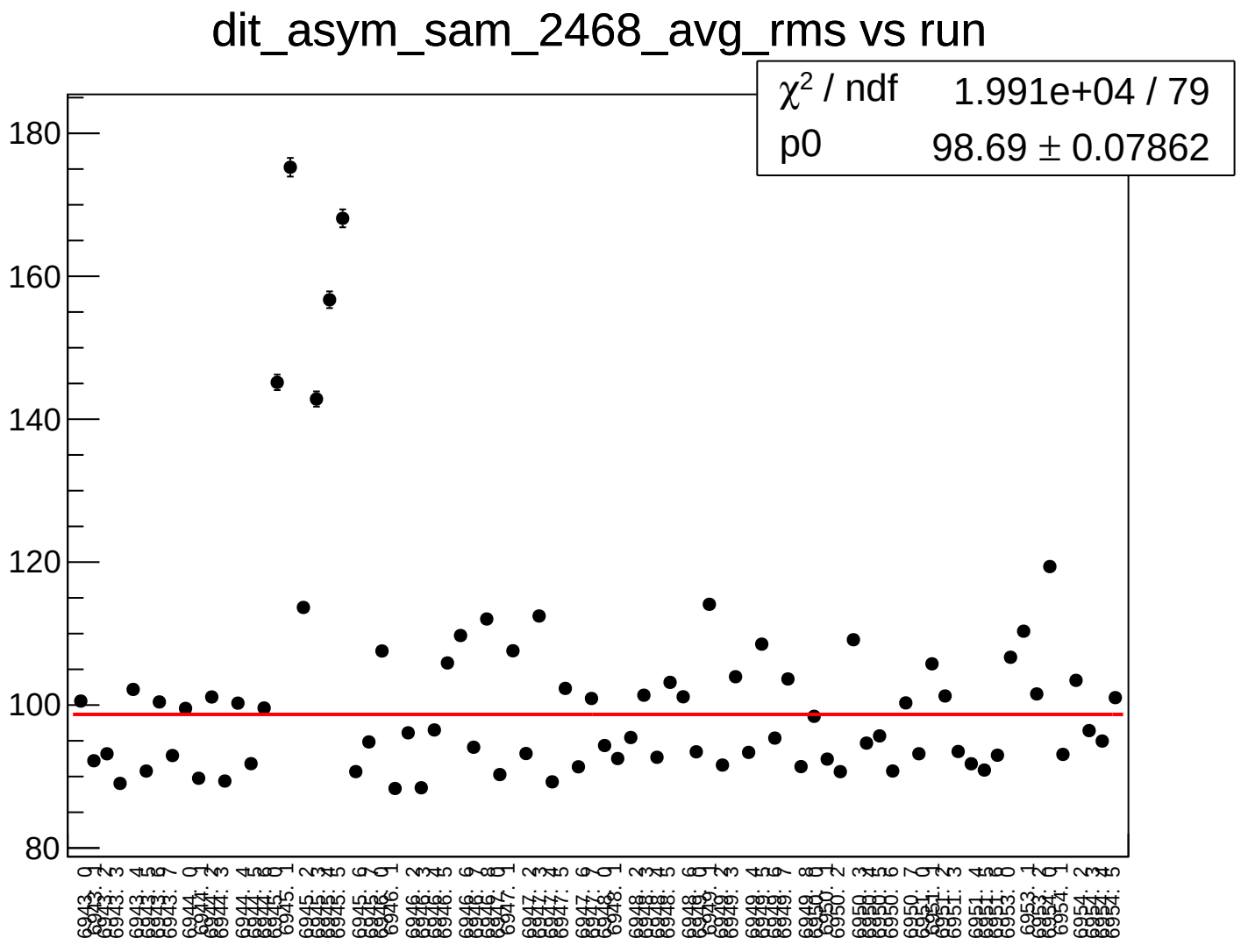

asym_sam_1357_avg_mean vs run
χ² / ndf 79.78 / 79
p0 1764 ± 557.3
pull
Entries 80
Mean 146.1
Std Dev 128.7

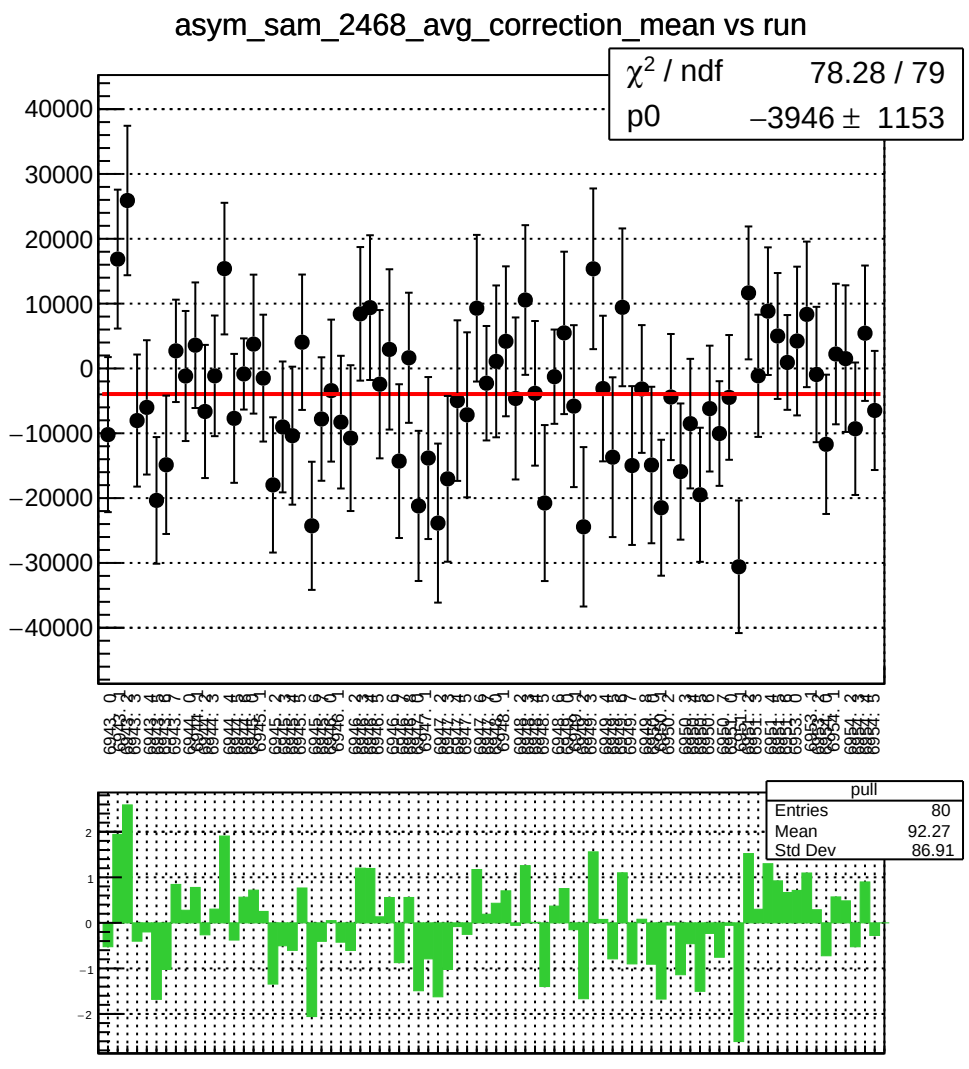

pull1D
Entries 80
Mean 0.01463
Std Dev 0.9985

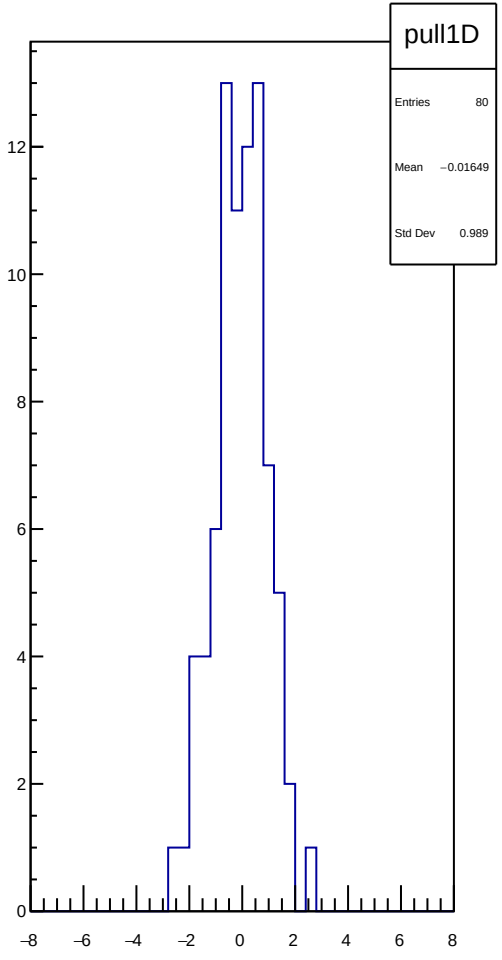

asym_sam_1357_avg_rms vs run
χ² / ndf 1.037e+04 / 79
p0 496.2 ± 0.3941
600
580
560
540
520
500
480
460
440
420

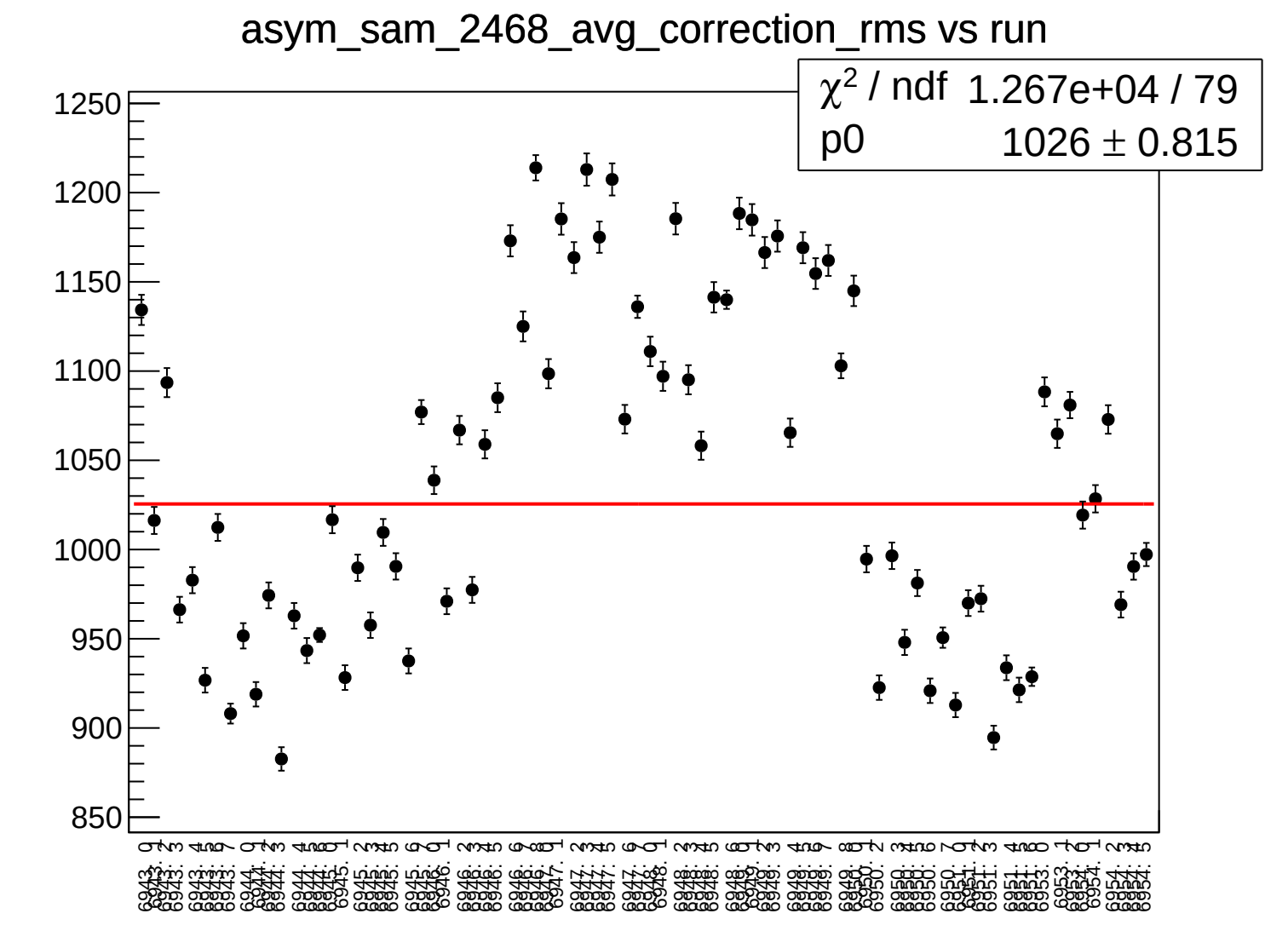

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 108.1 / 79
p0 20.8 ± 111.2
pull
Entries 80
Mean 188.4
Std Dev 151.6

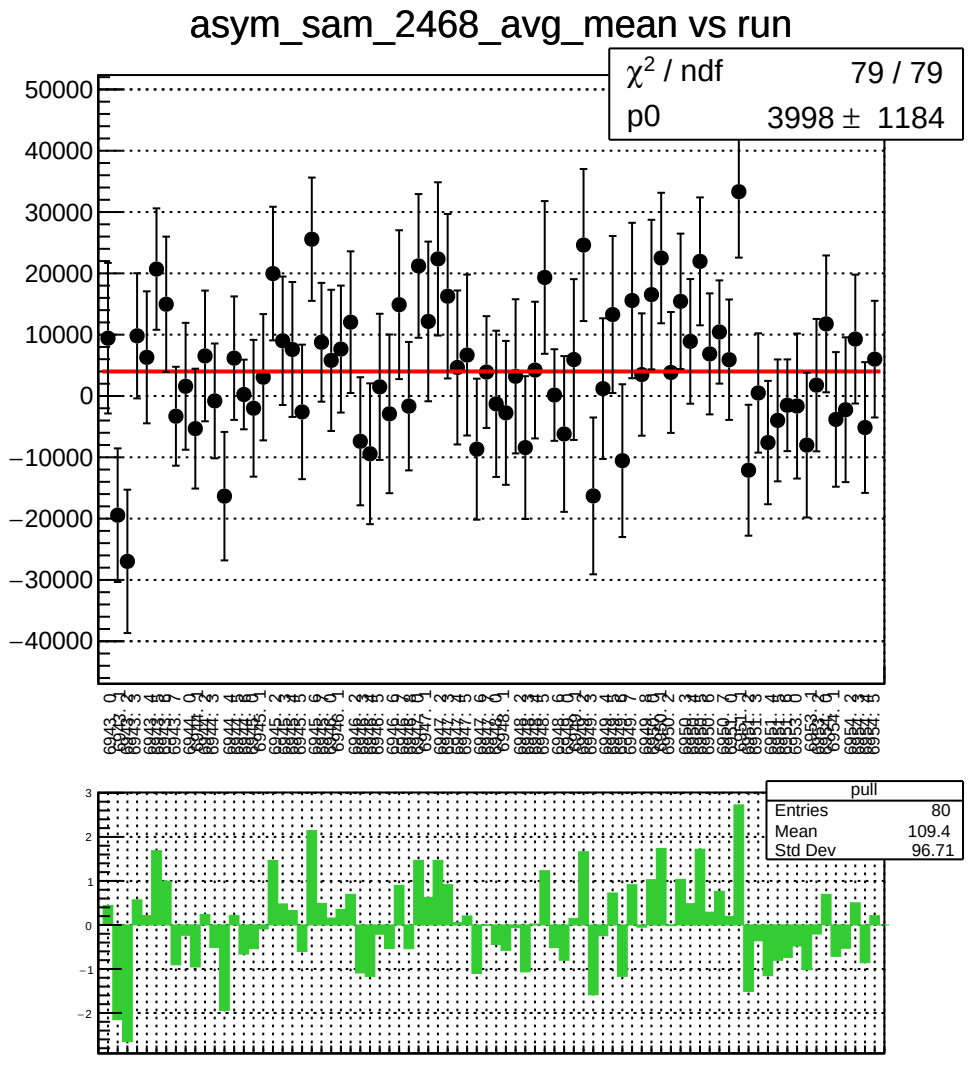

pull1D
Entries 80
Mean 0.02961
Std Dev 1.162

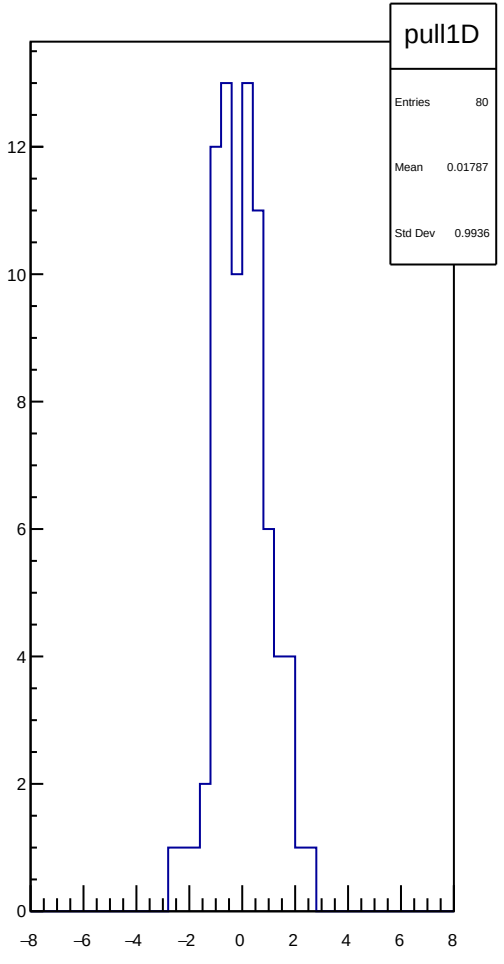

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.991e+04 / 79
p0 98.69 ± 0.07862
180
160
140
120
100
80

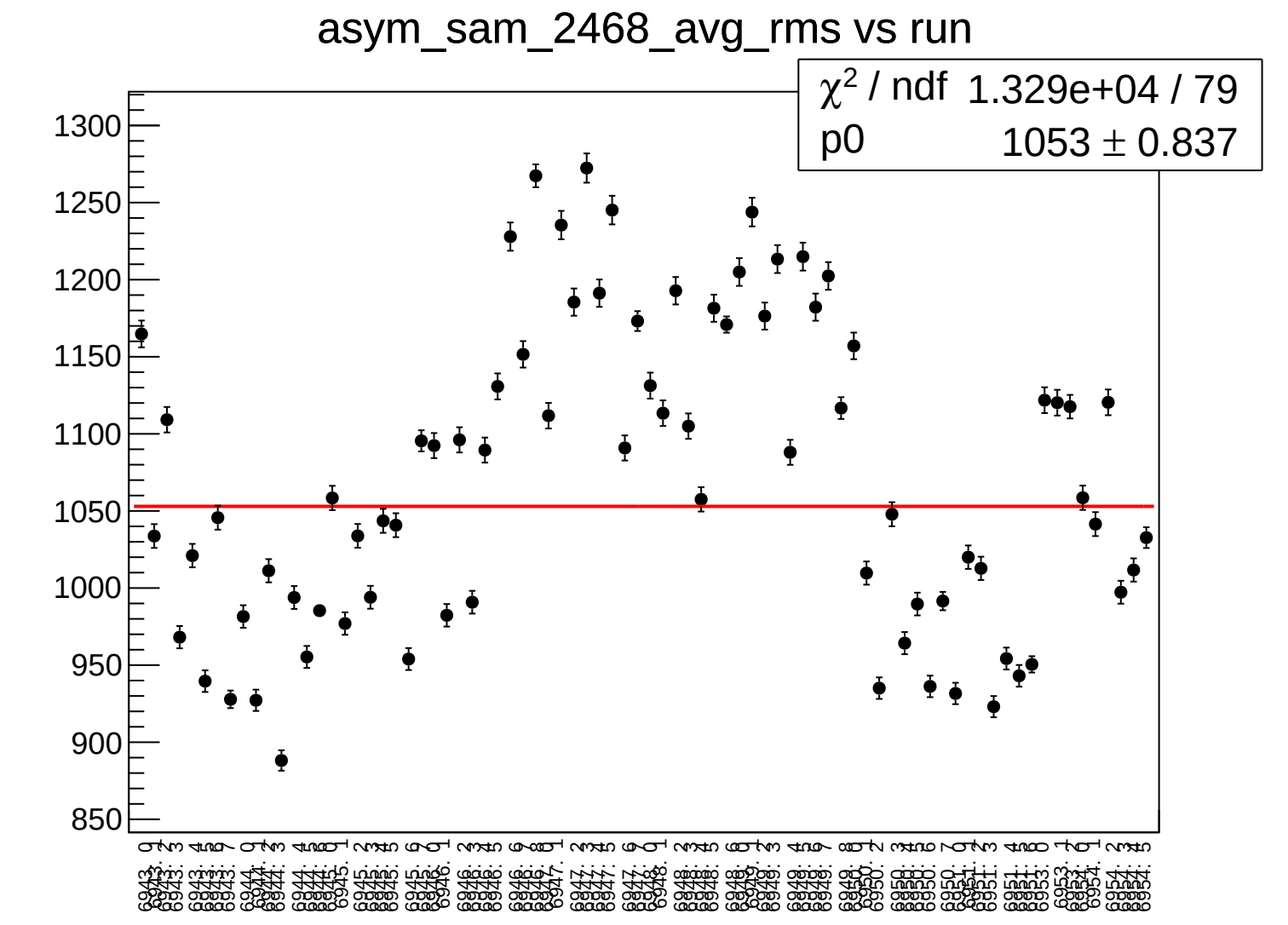

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 78.28 / 79
p0 −3946 ± 1153
pull
Entries 80
Mean 92.27
Std Dev 86.91

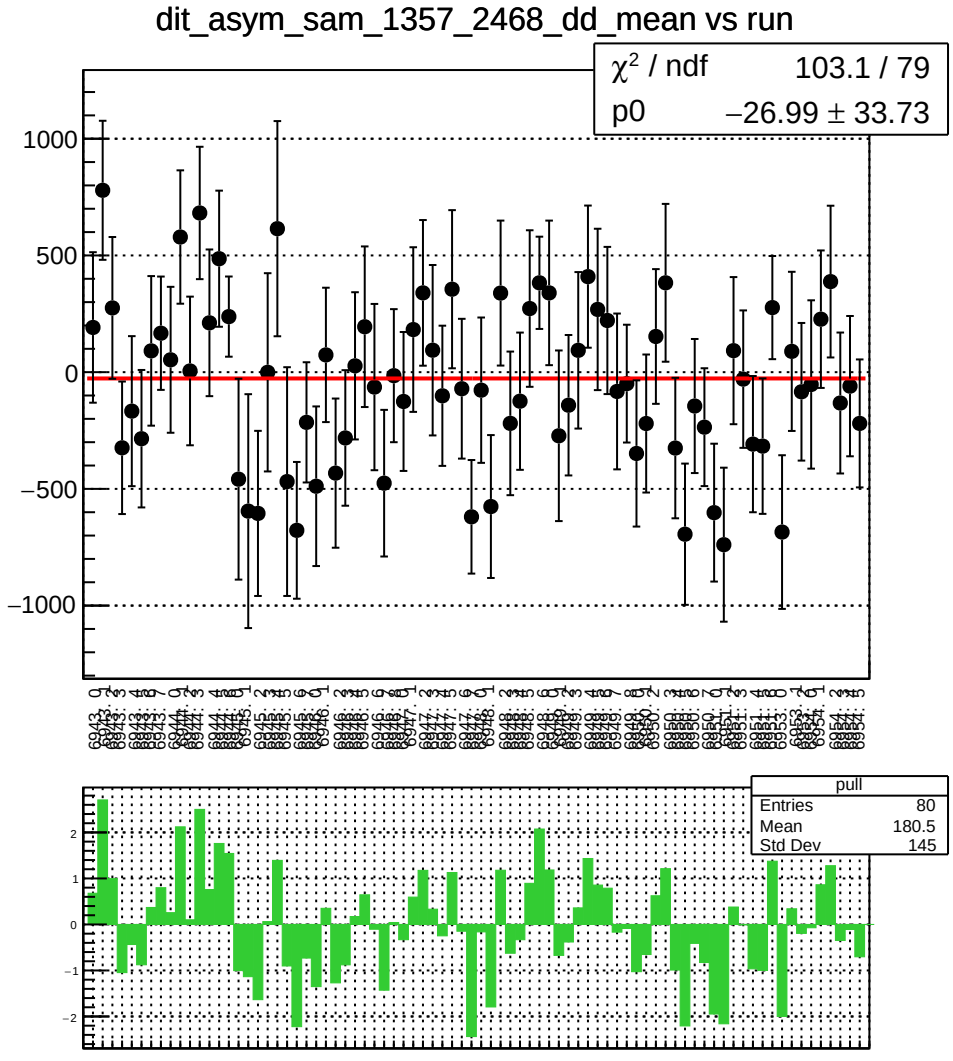

pull1D
Entries 80
Mean −0.01649
Std Dev 0.989

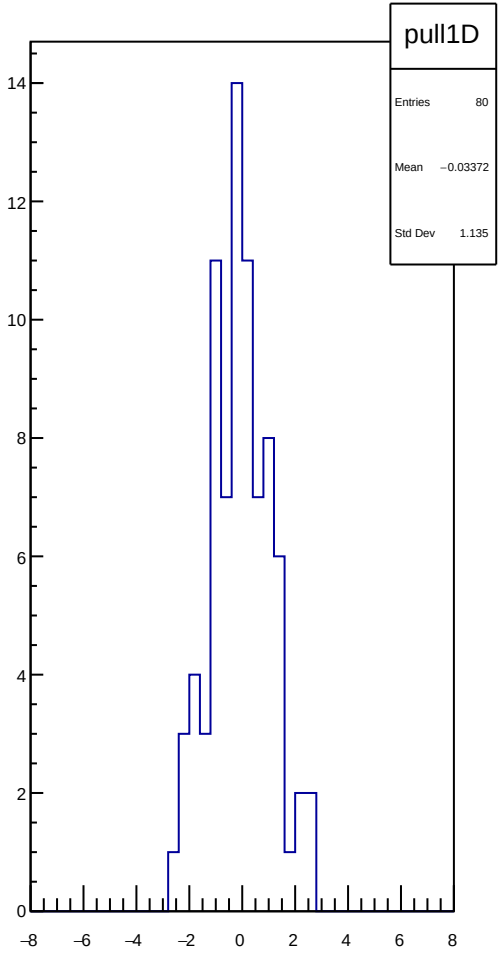

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1.267e+04 / 79
p0 1026 ± 0.815
1250
1200
1150
1100
1050
1000
950
900
850

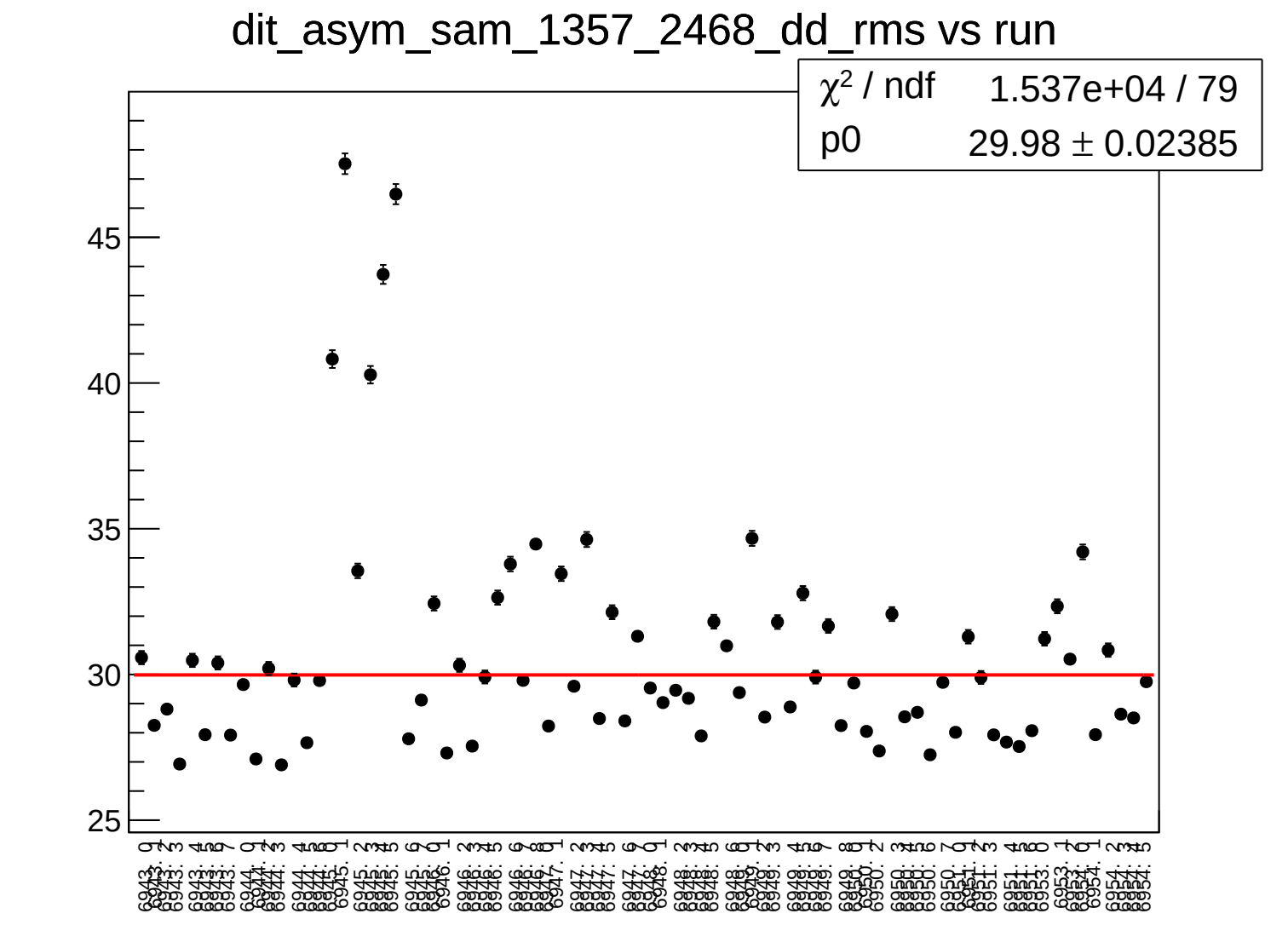

asym_sam_2468_avg_mean vs run
χ² / ndf 79 / 79
p0 3998 ± 1184
pull
Entries 80
Mean 109.4
Std Dev 96.71

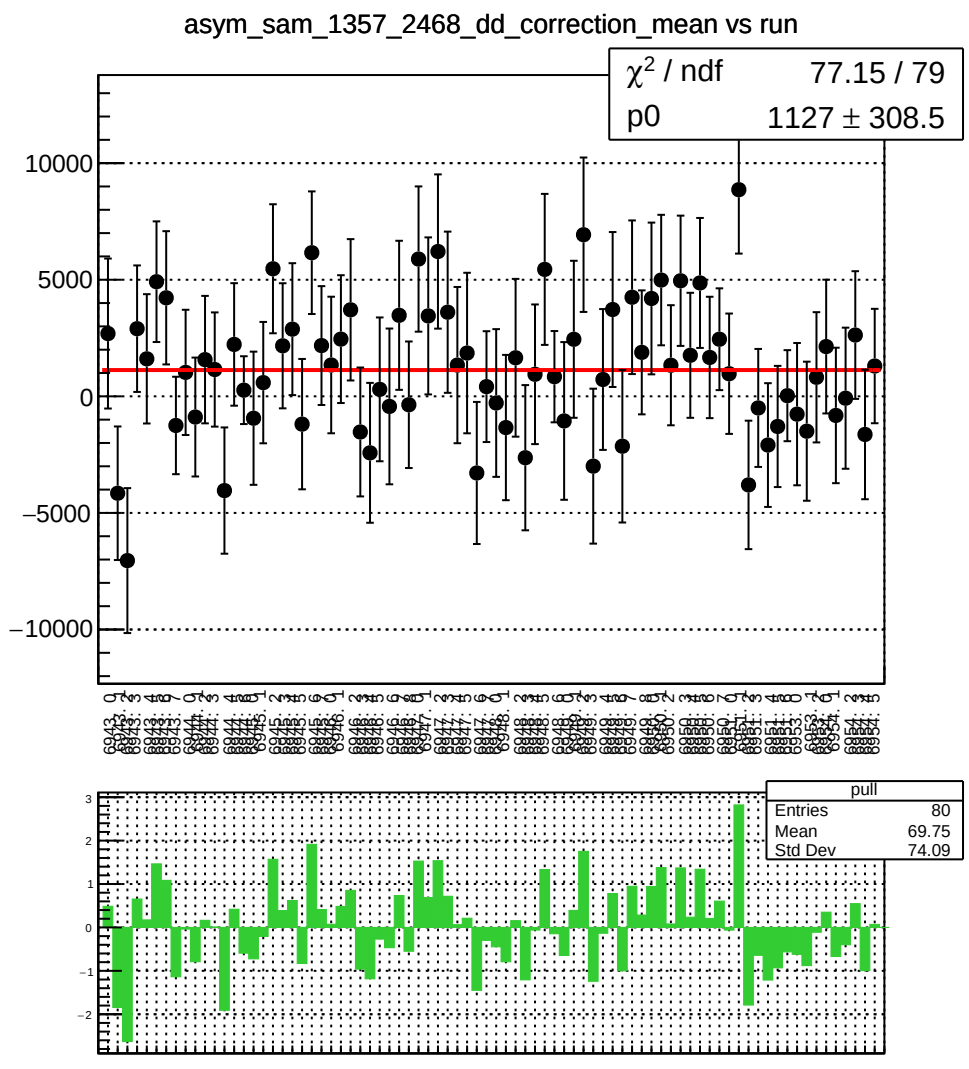

pull1D
Entries 80
Mean 0.01787
Std Dev 0.9936

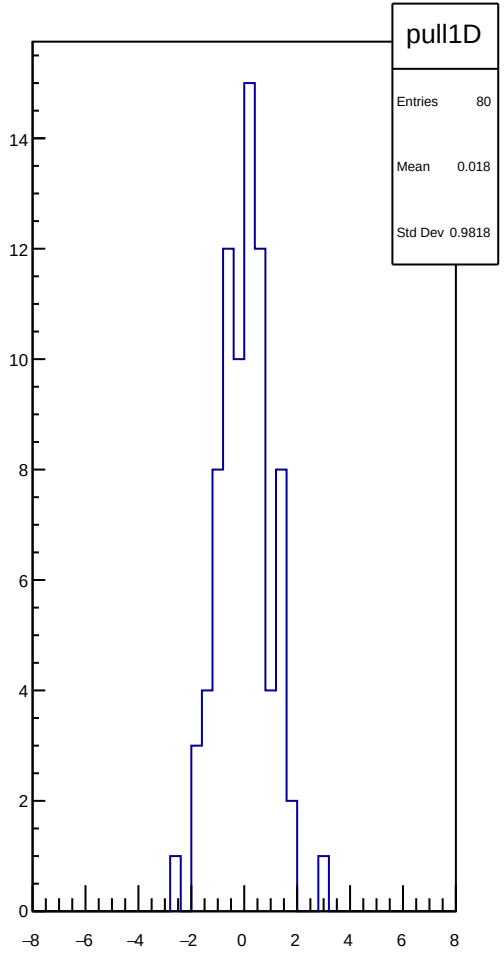

asym_sam_2468_avg_rms vs run
χ² / ndf 1.329e+04 / 79
p0 1053 ± 0.837
1300
1250
1200
1150
1100
1050
1000
950
900
850

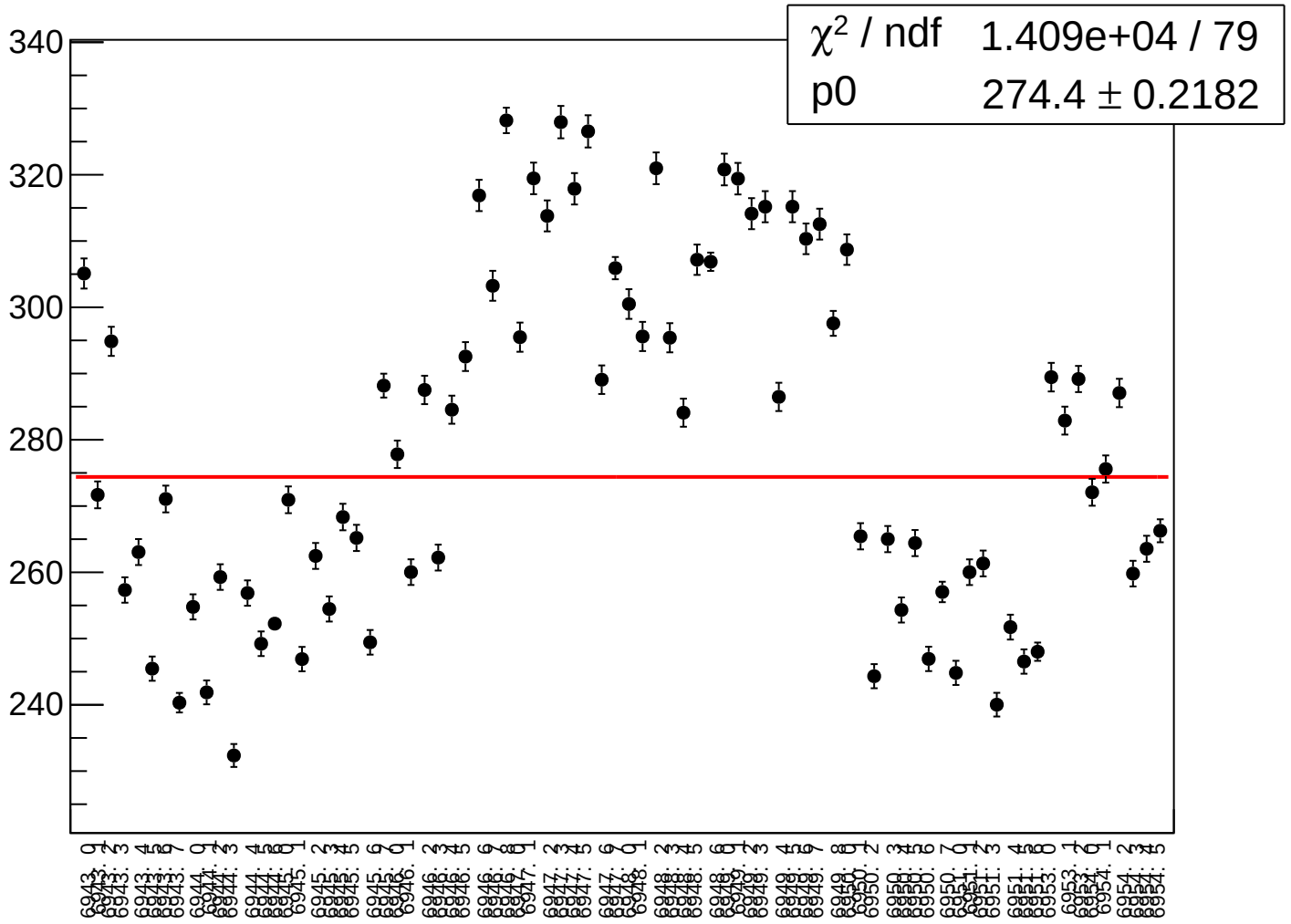

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 103.1 / 79
p0 −26.99 ± 33.73
1000
500
0
−500
−1000
pull
Entries 80
Mean 180.5
Std Dev 145
2
1
0
−1
−2

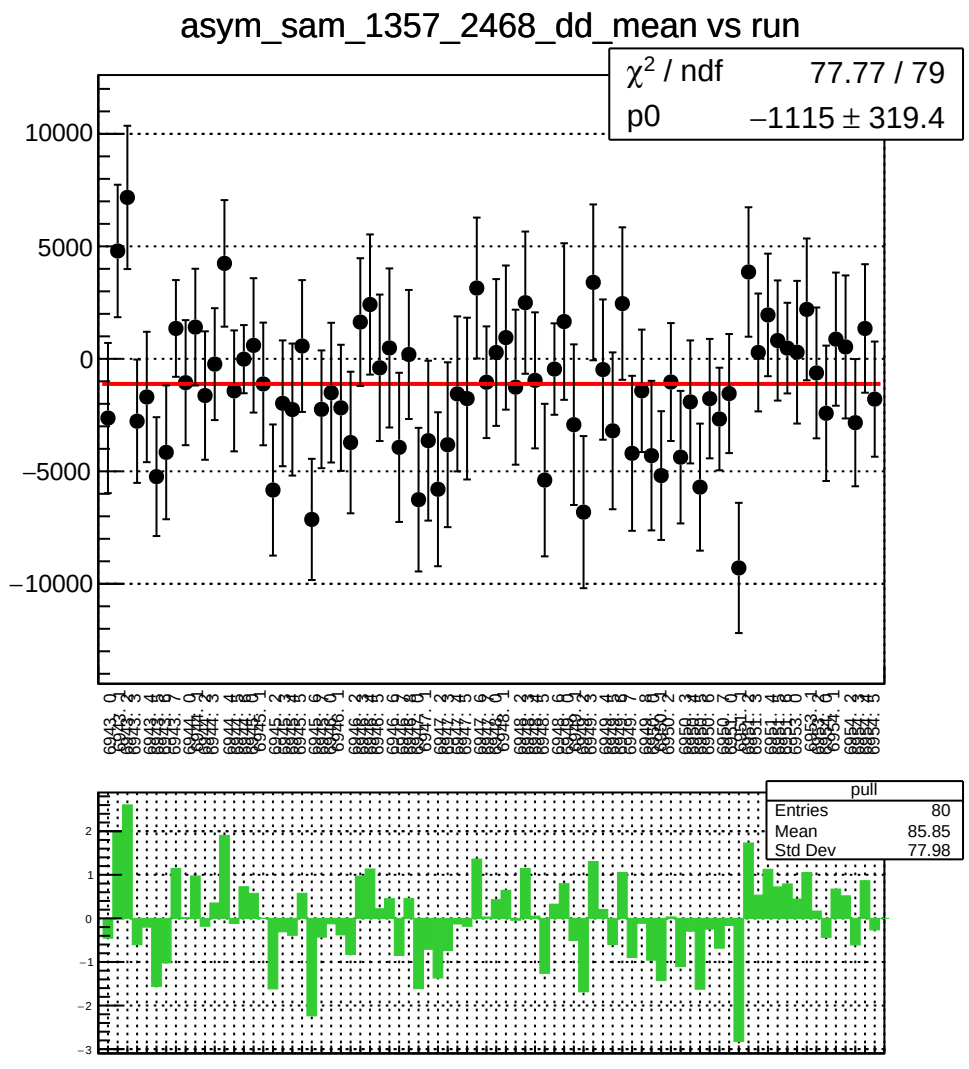

pull1D
Entries 80
Mean −0.03372
Std Dev 1.135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

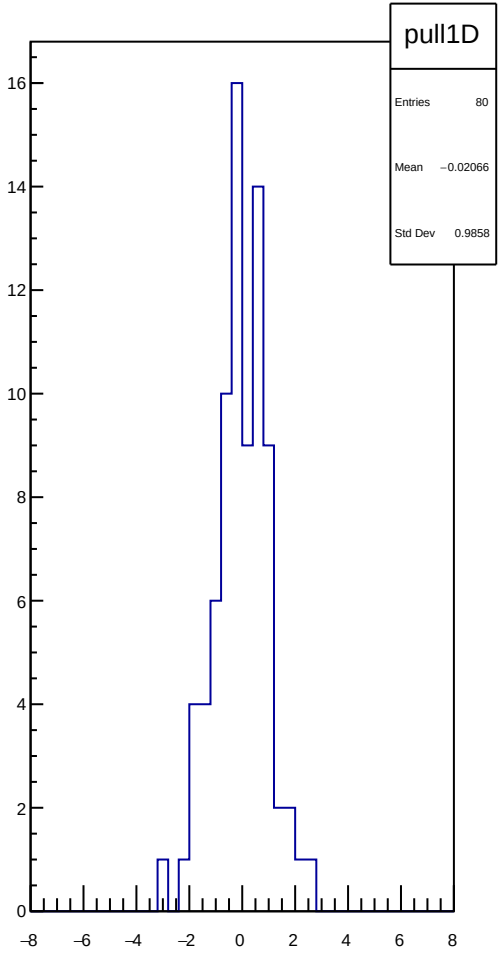

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.537e+04 / 79
p0 29.98 ± 0.02385
45
40
35
30
25


asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 77.15 / 79
p0 1127 ± 308.5
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 69.75
Std Dev 74.09
3
2
1
0
−1
−2

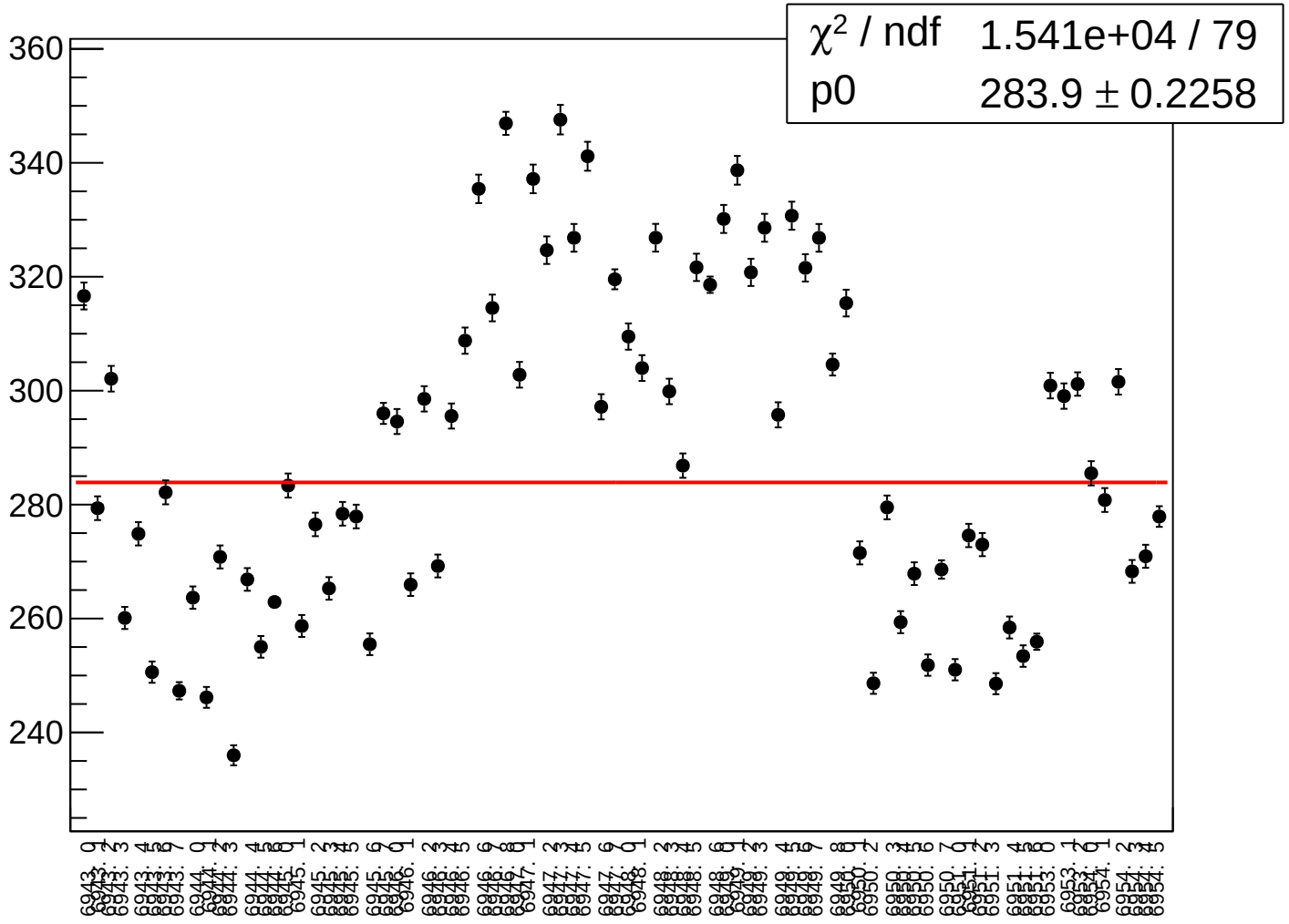

pull1D
Entries 80
Mean 0.018
Std Dev 0.9818
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

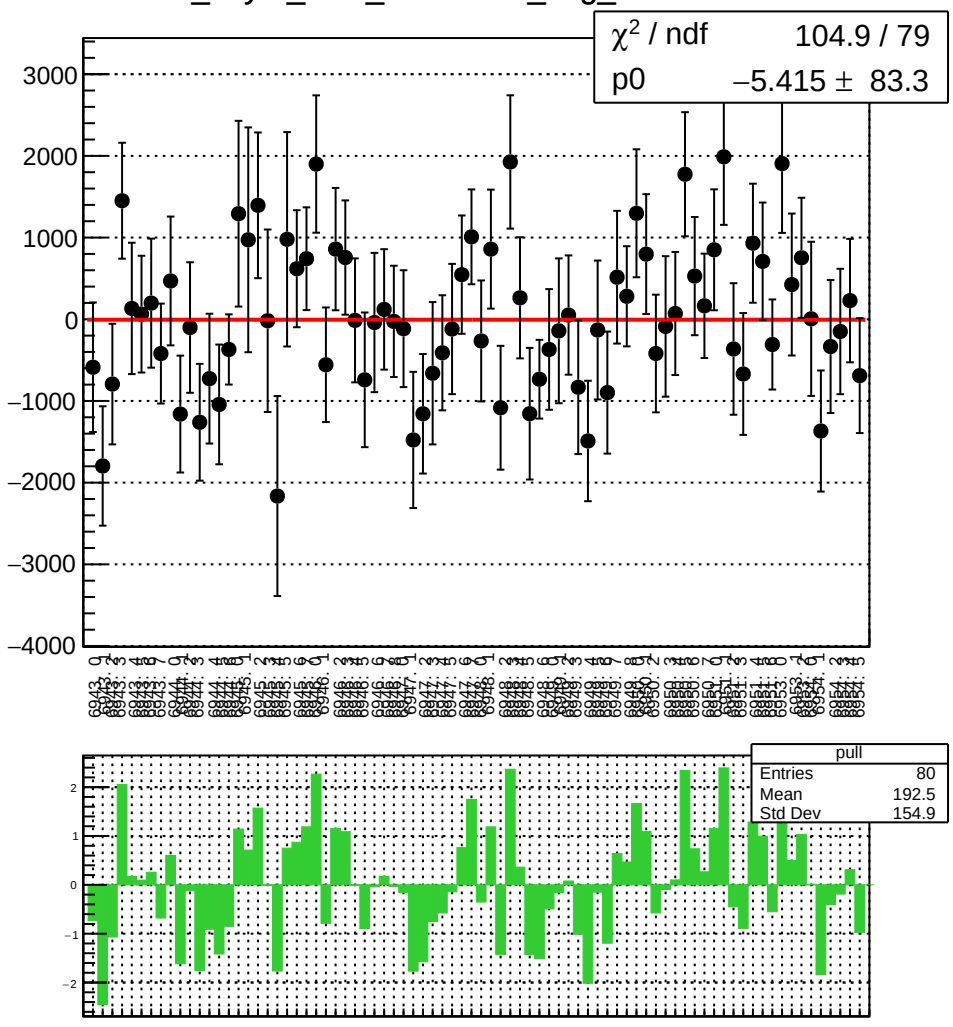

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.409e+04 / 79
p0 274.4 ± 0.2182
340
320
300
280
260
240

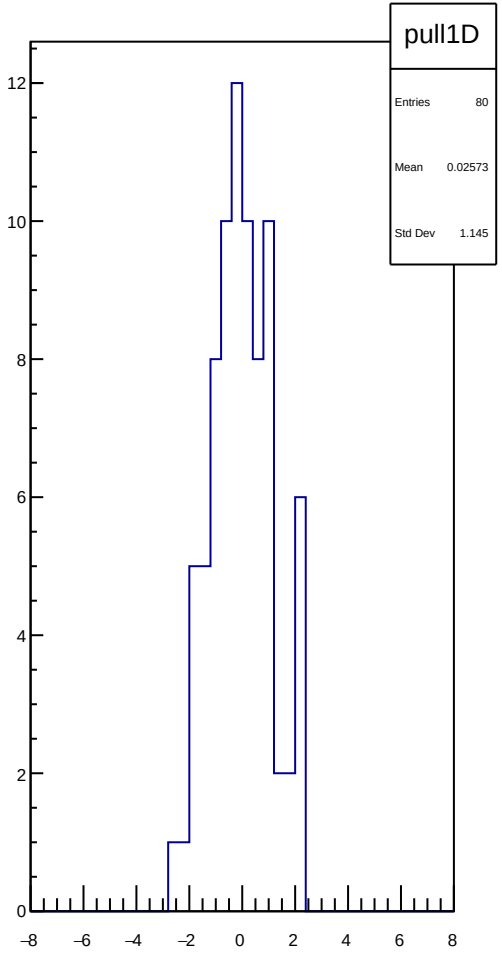

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 77.77 / 79
p0 −1115 ± 319.4
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 85.85
Std Dev 77.98
2
1
0
−1
−2
−3

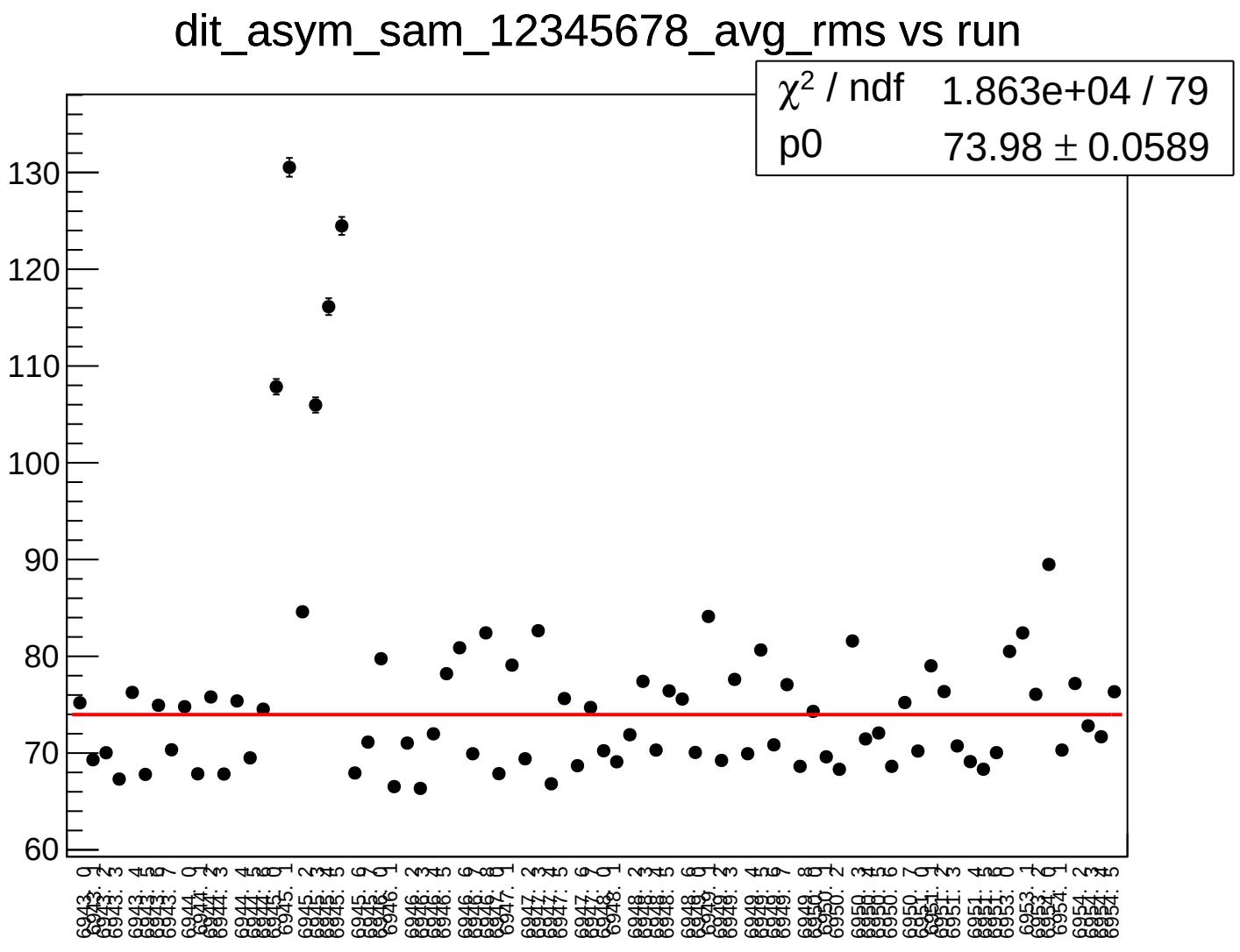

pull1D
Entries 80
Mean −0.02066
Std Dev 0.9858
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

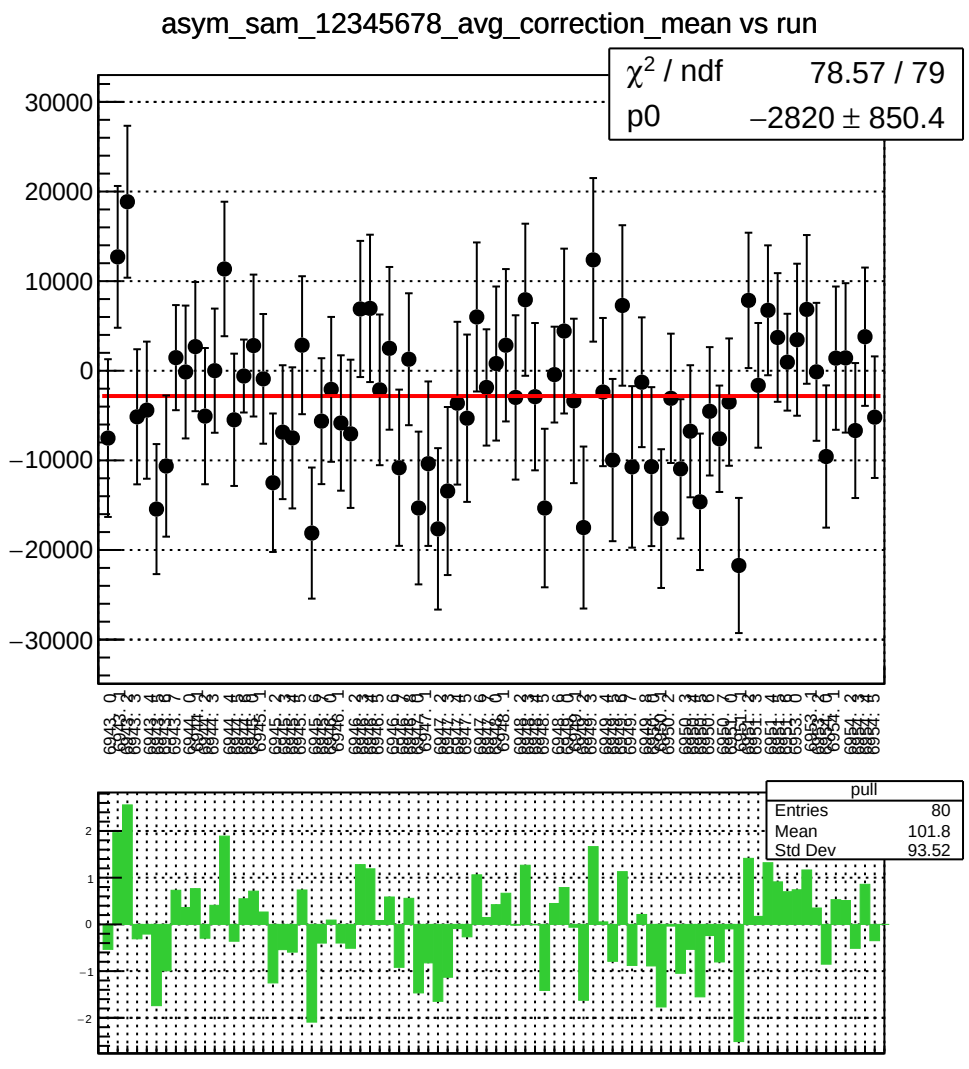
asym_sam_1357_2468_dd_rms vs run

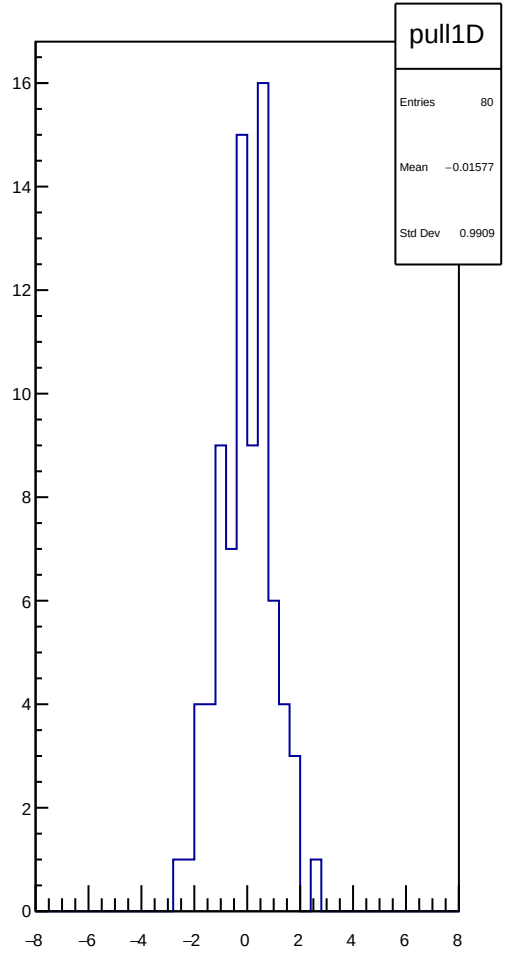


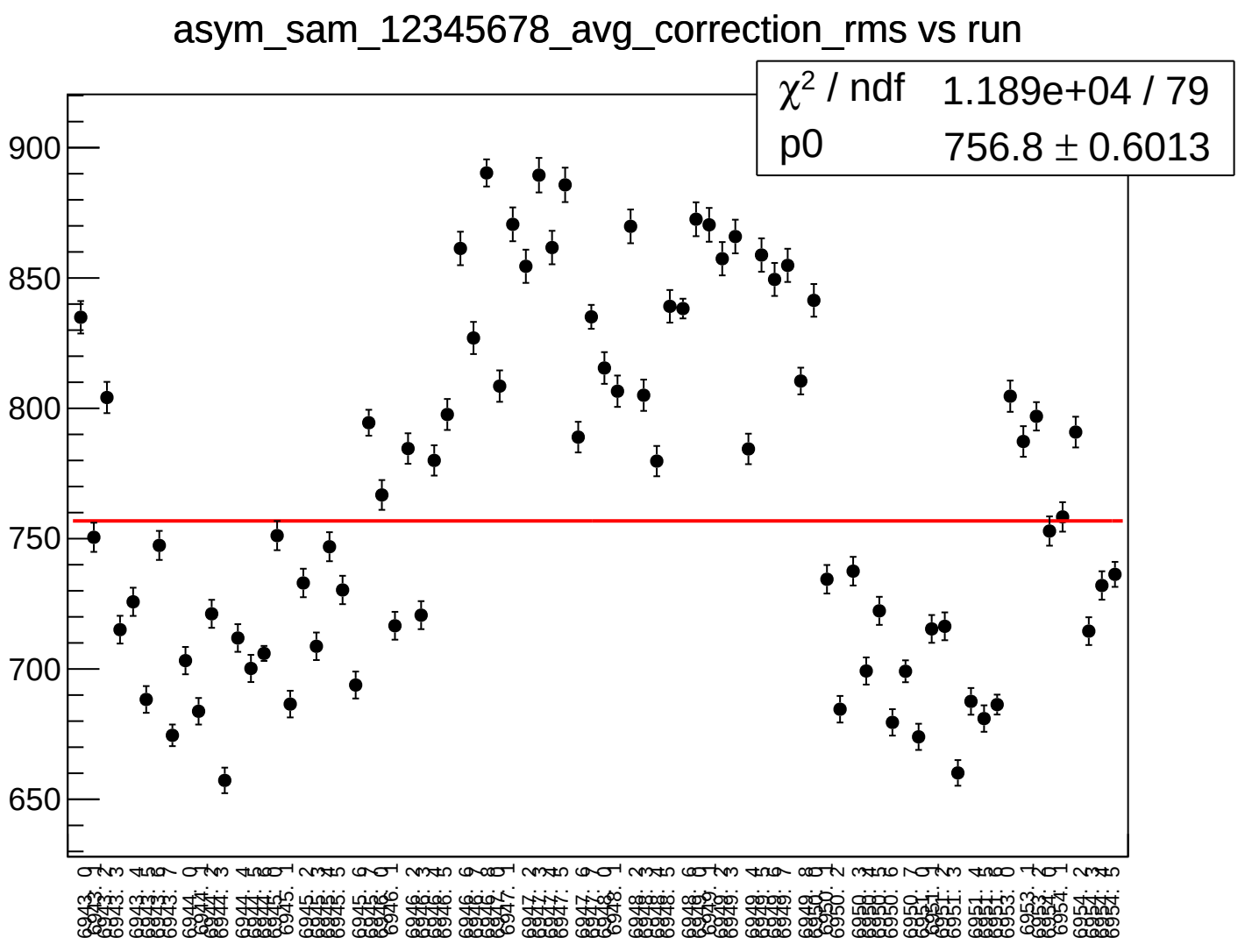

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 104.9 / 79
p0 −5.415 ± 83.3
pull
Entries 80
Mean 192.5
Std Dev 154.9

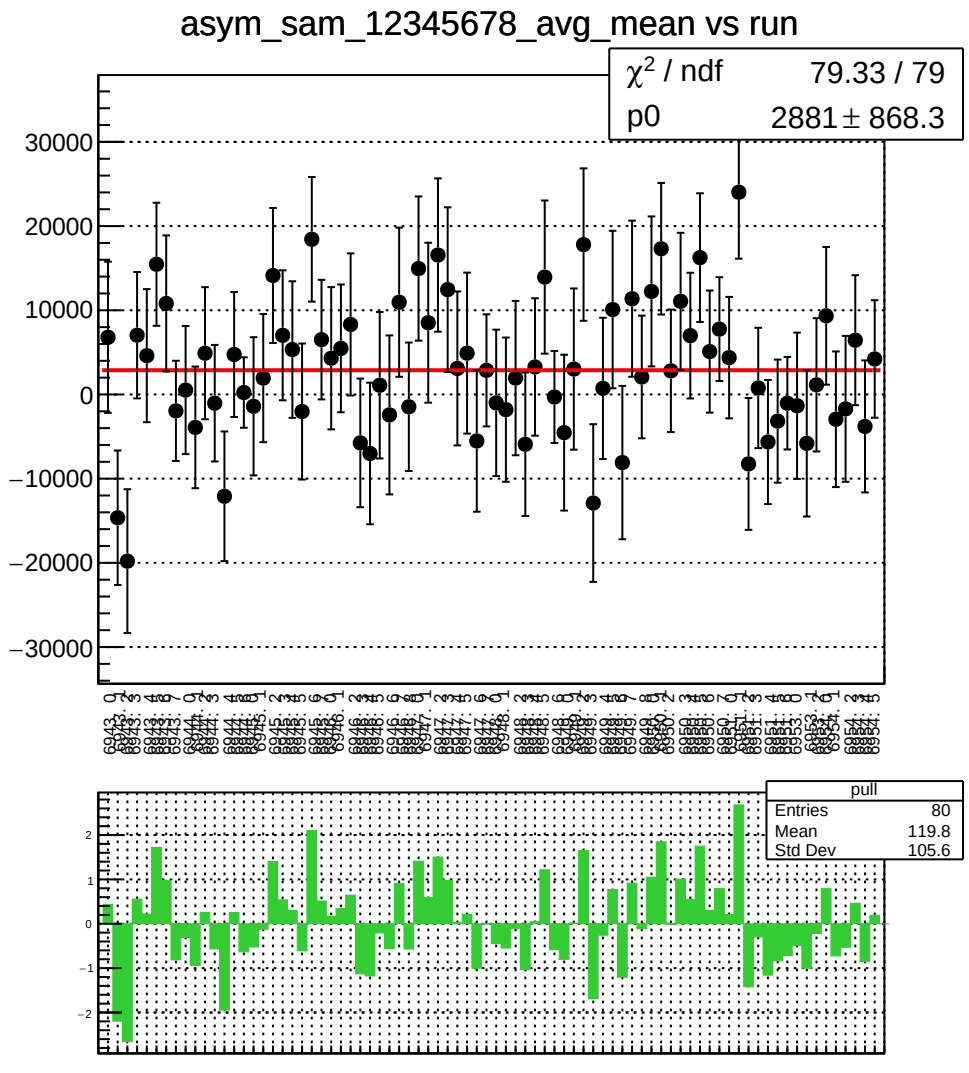

pull1D
Entries 80
Mean 0.02573
Std Dev 1.145

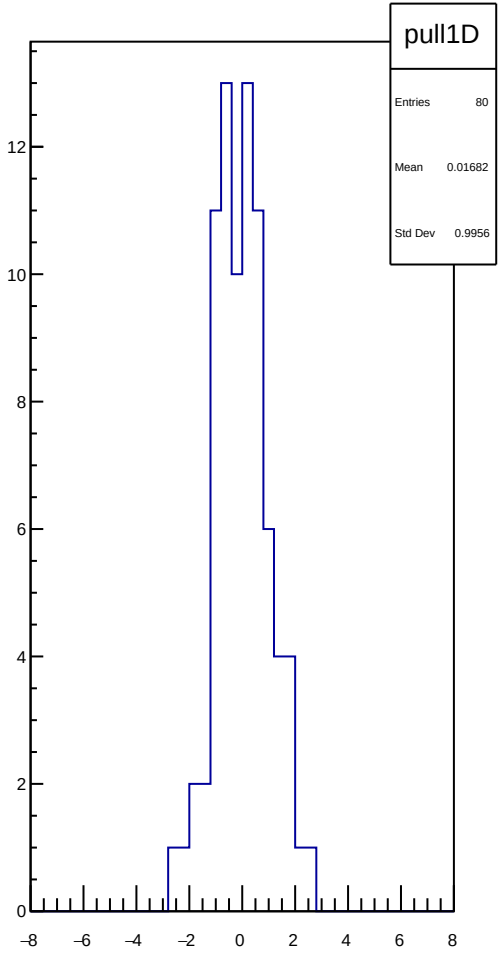

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.863e+04 / 79
p0 73.98 ± 0.0589
130
120
110
100
90
80
70
60

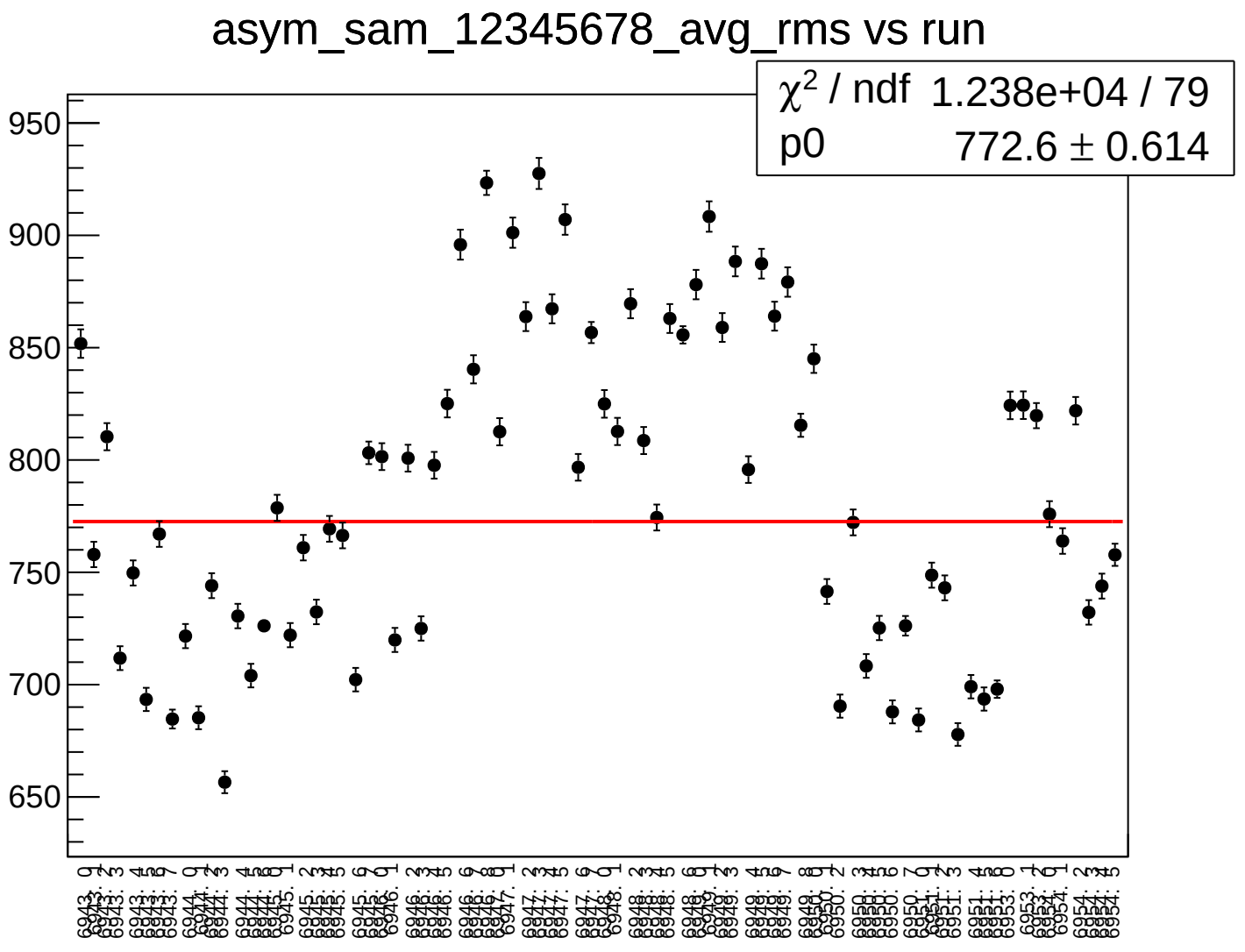

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 78.57 / 79
p0 −2820 ± 850.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 101.8
Std Dev 93.52
2
1
0
−1
−2

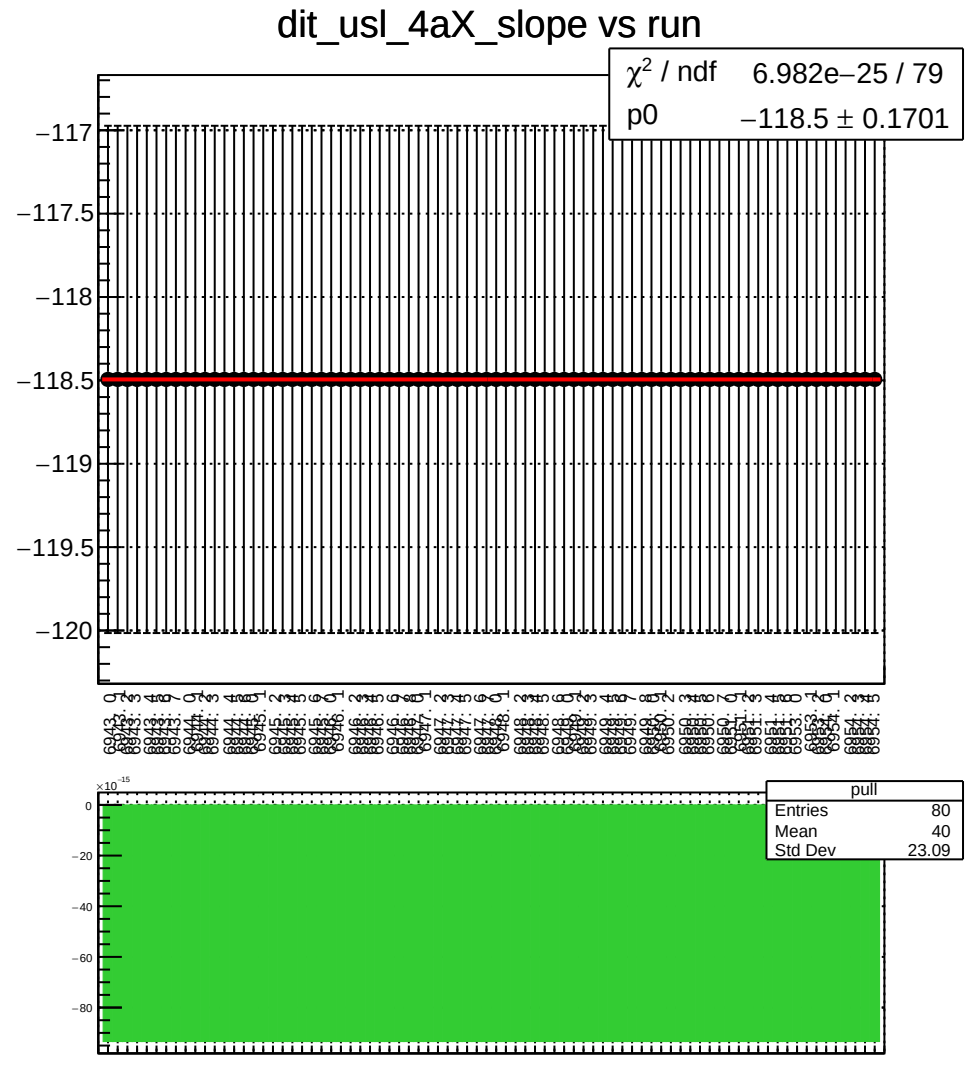

pull1D
Entries 80
Mean −0.01577
Std Dev 0.9909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

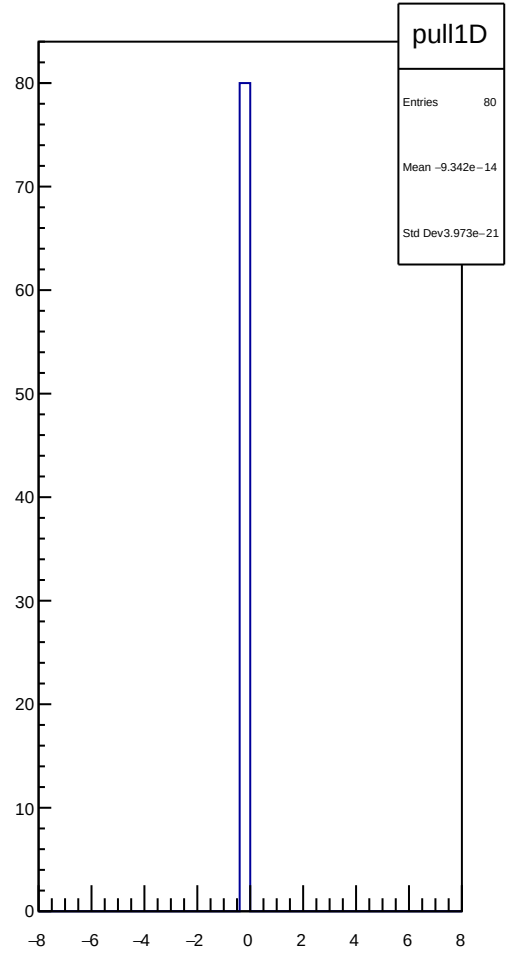

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1.189e+04 / 79
p0 756.8 ± 0.6013
900
850
800
750
700
650

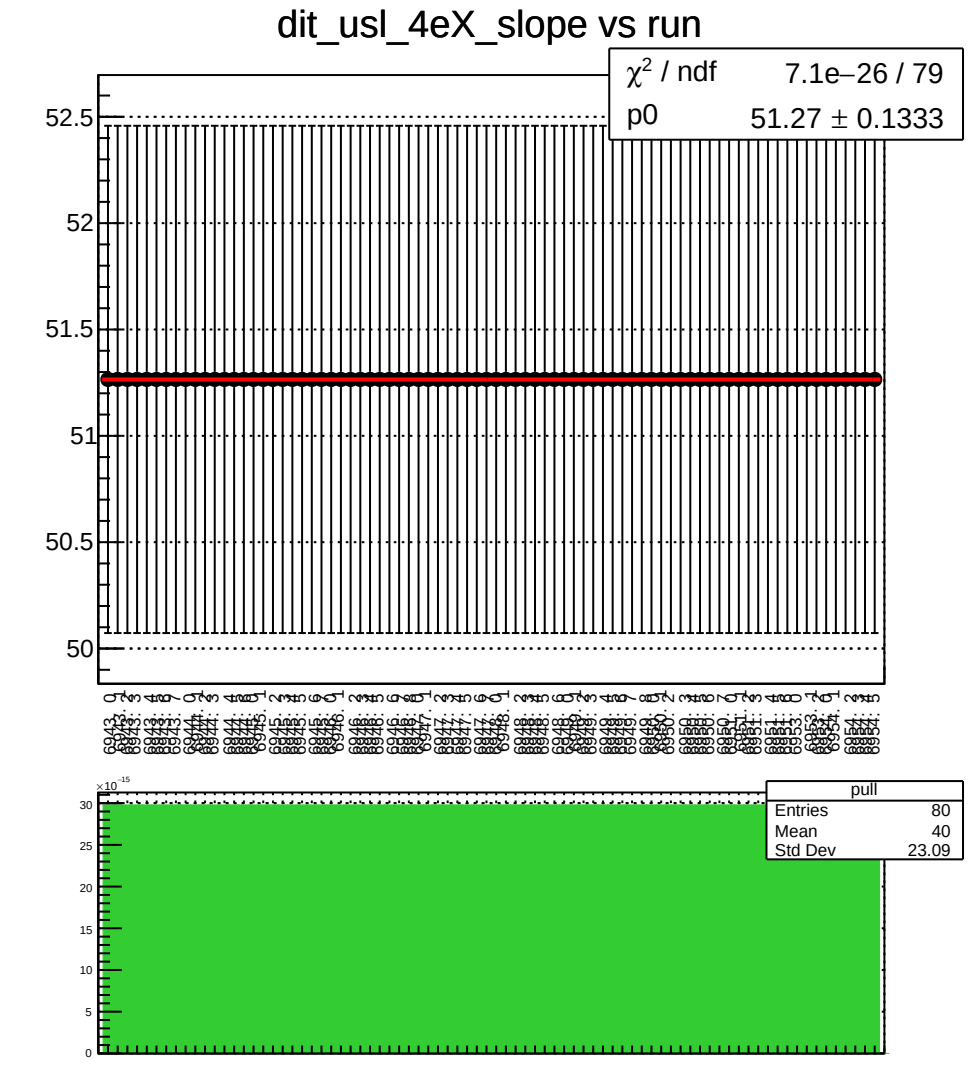

asym_sam_12345678_avg_mean vs run
χ² / ndf 79.33 / 79
p0 2881 ± 868.3
pull
Entries 80
Mean 119.8
Std Dev 105.6

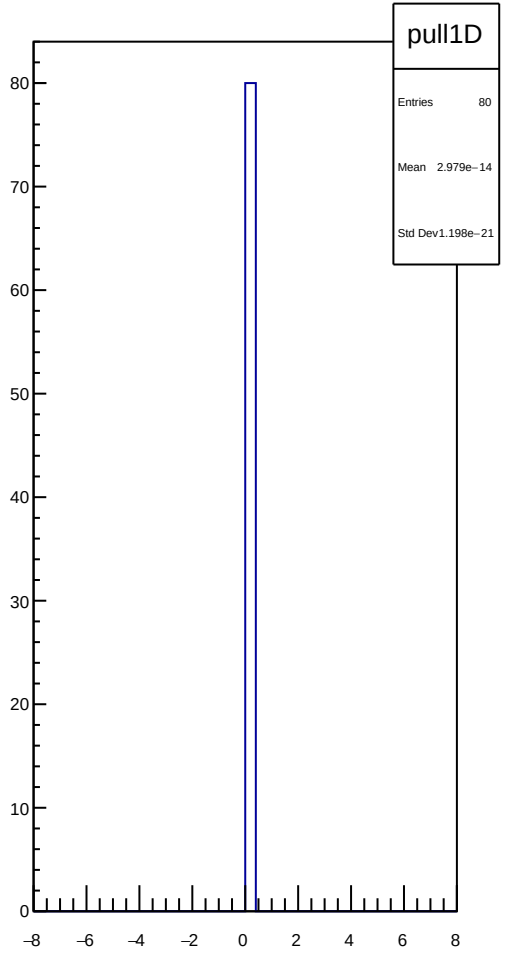

pull1D
Entries 80
Mean 0.01682
Std Dev 0.9956

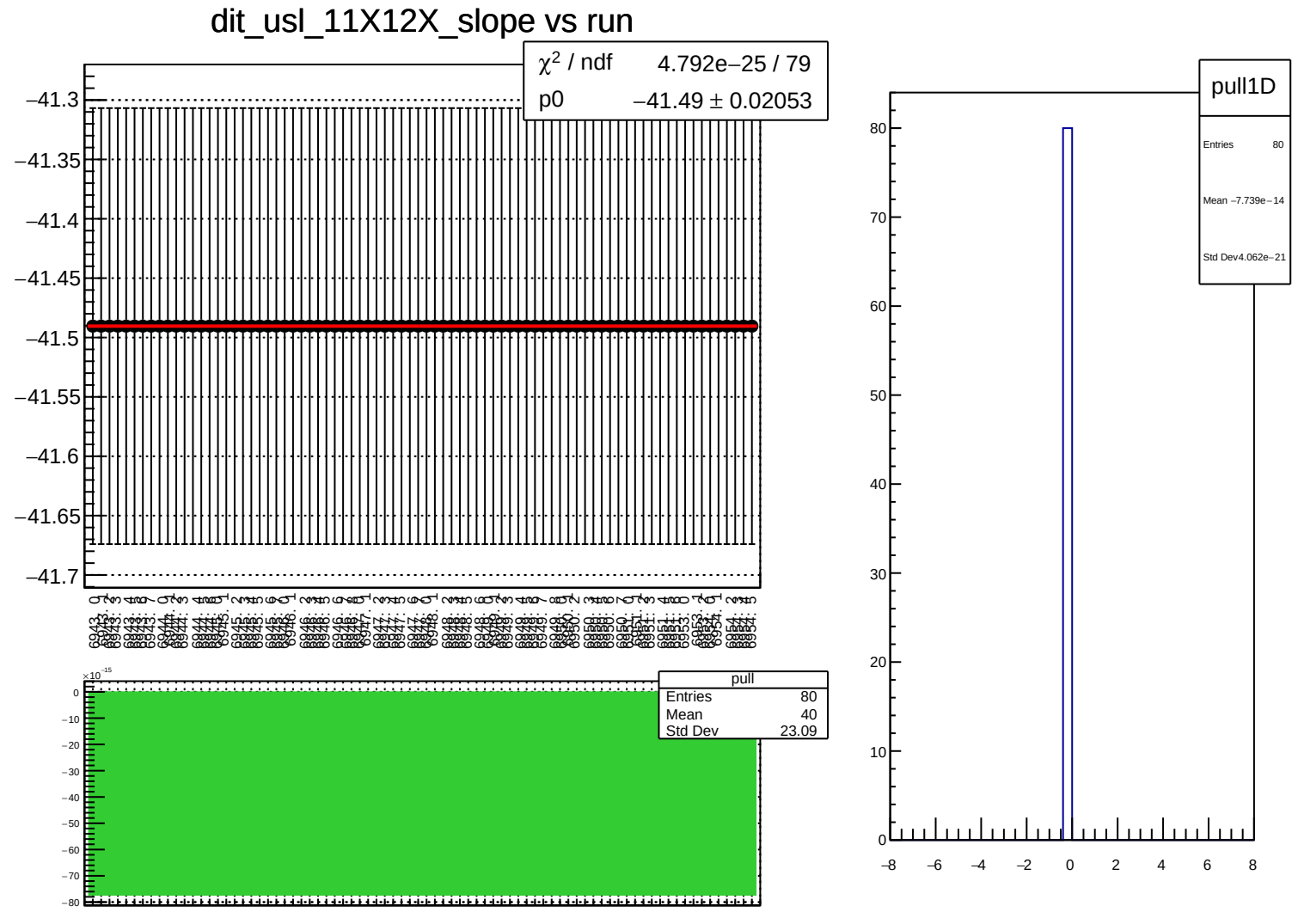

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.238e+04 / 79
p0 772.6 ± 0.614
950
900
850
800
750
700
650

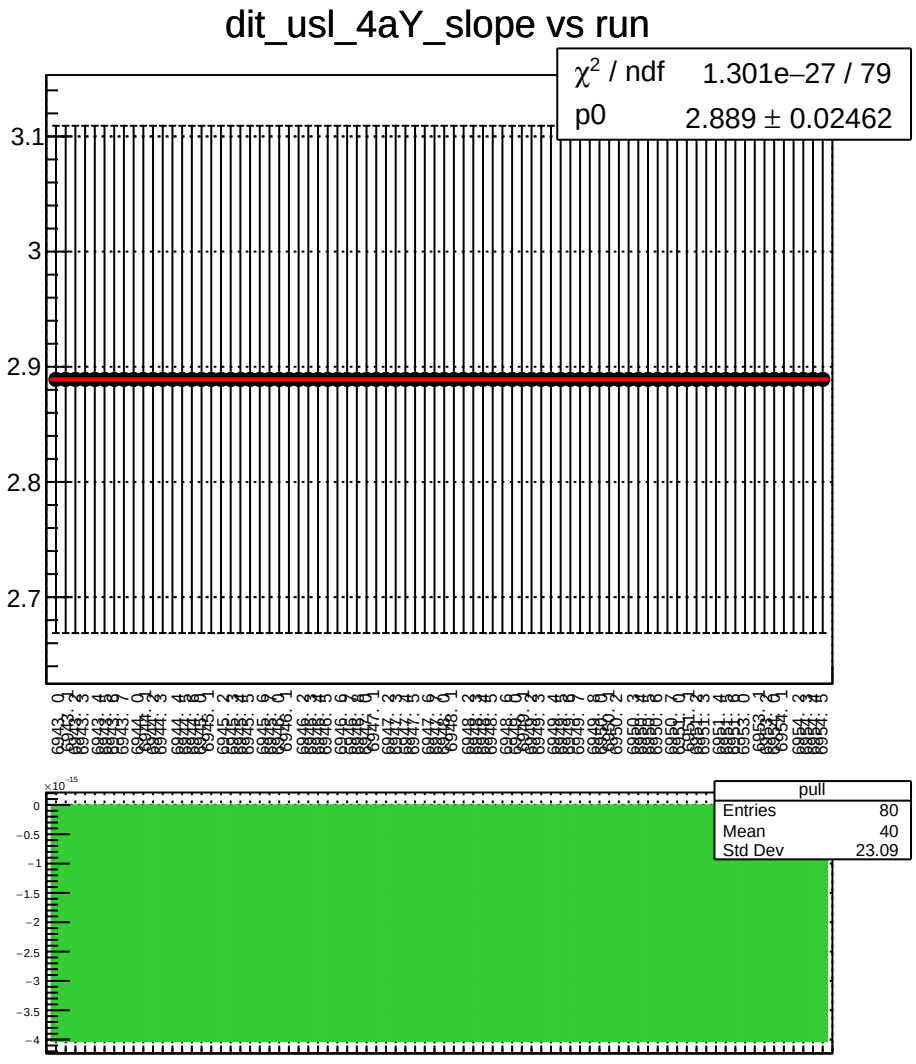

dit_usl_4aX_slope vs run
χ² / ndf 6.982e−25 / 79
p0 −118.5 ± 0.1701
−117
−117.5
−118
−118.5
−119
−119.5
−120
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−20
−40
−60
−80

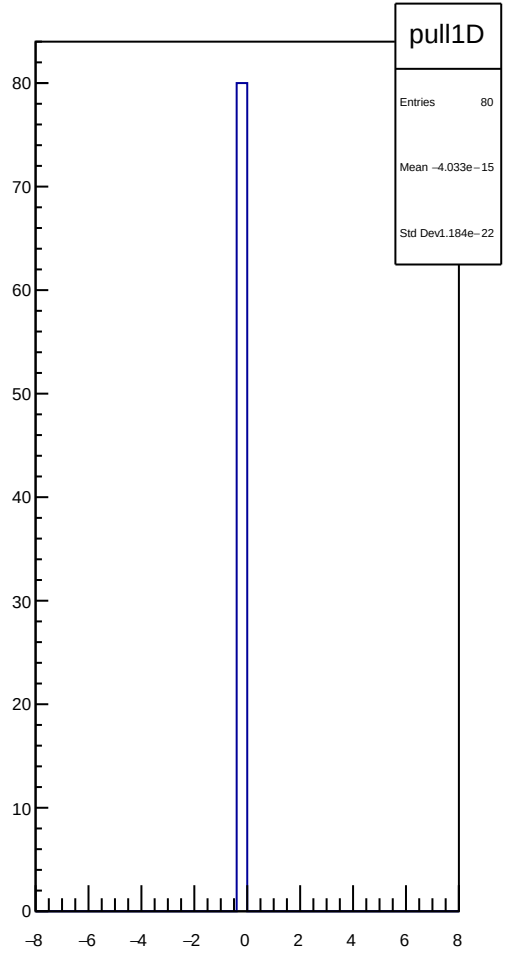

pull1D
Entries 80
Mean −9.342e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

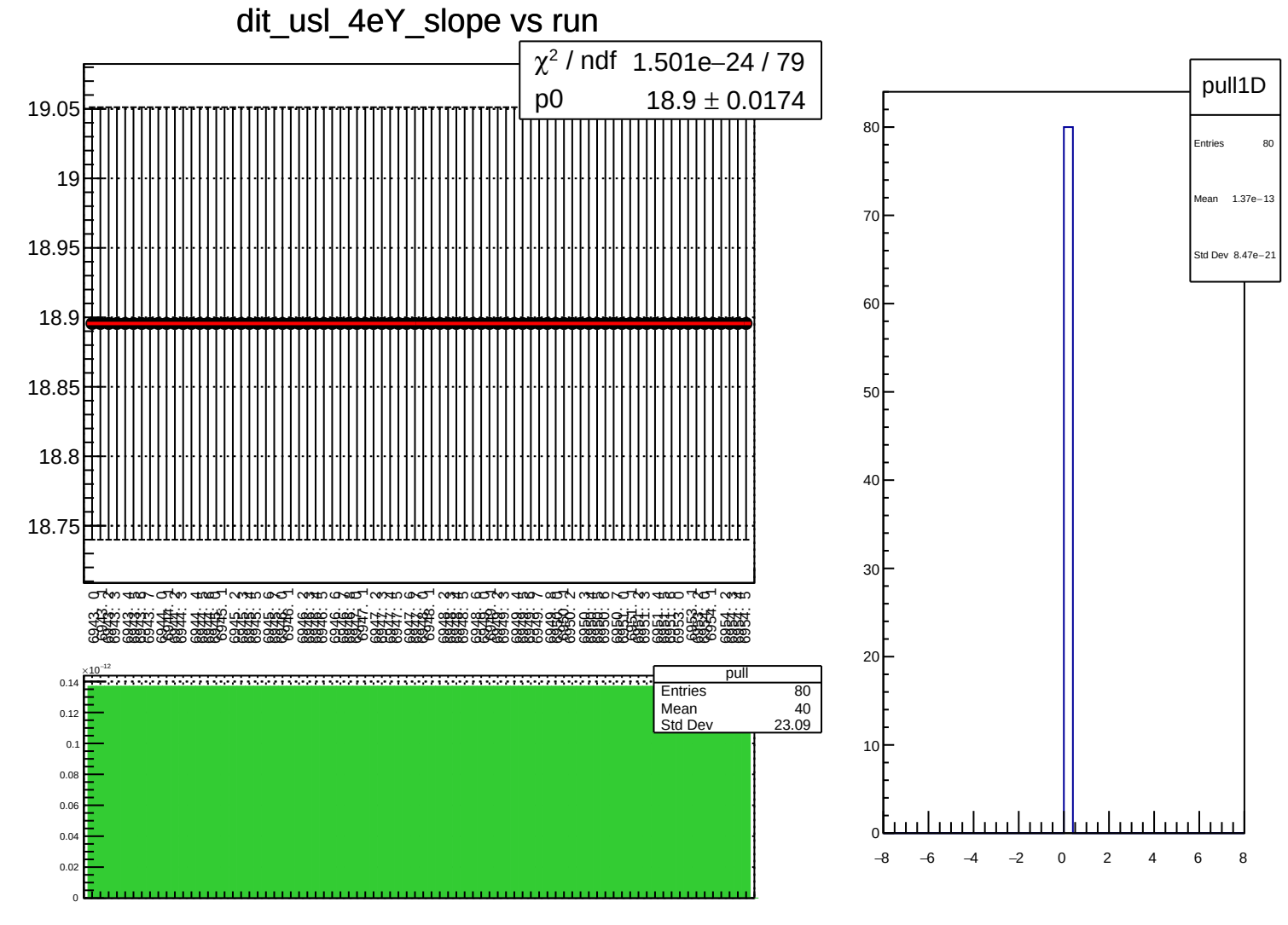

dit_usl_4eX_slope vs run
χ² / ndf 7.1e−26 / 79
p0 51.27 ± 0.1333
52.5
52
51.5
51
50.5
50
pull
Entries 80
Mean 40
Std Dev 23.09
30
25
20
15
10
5
0

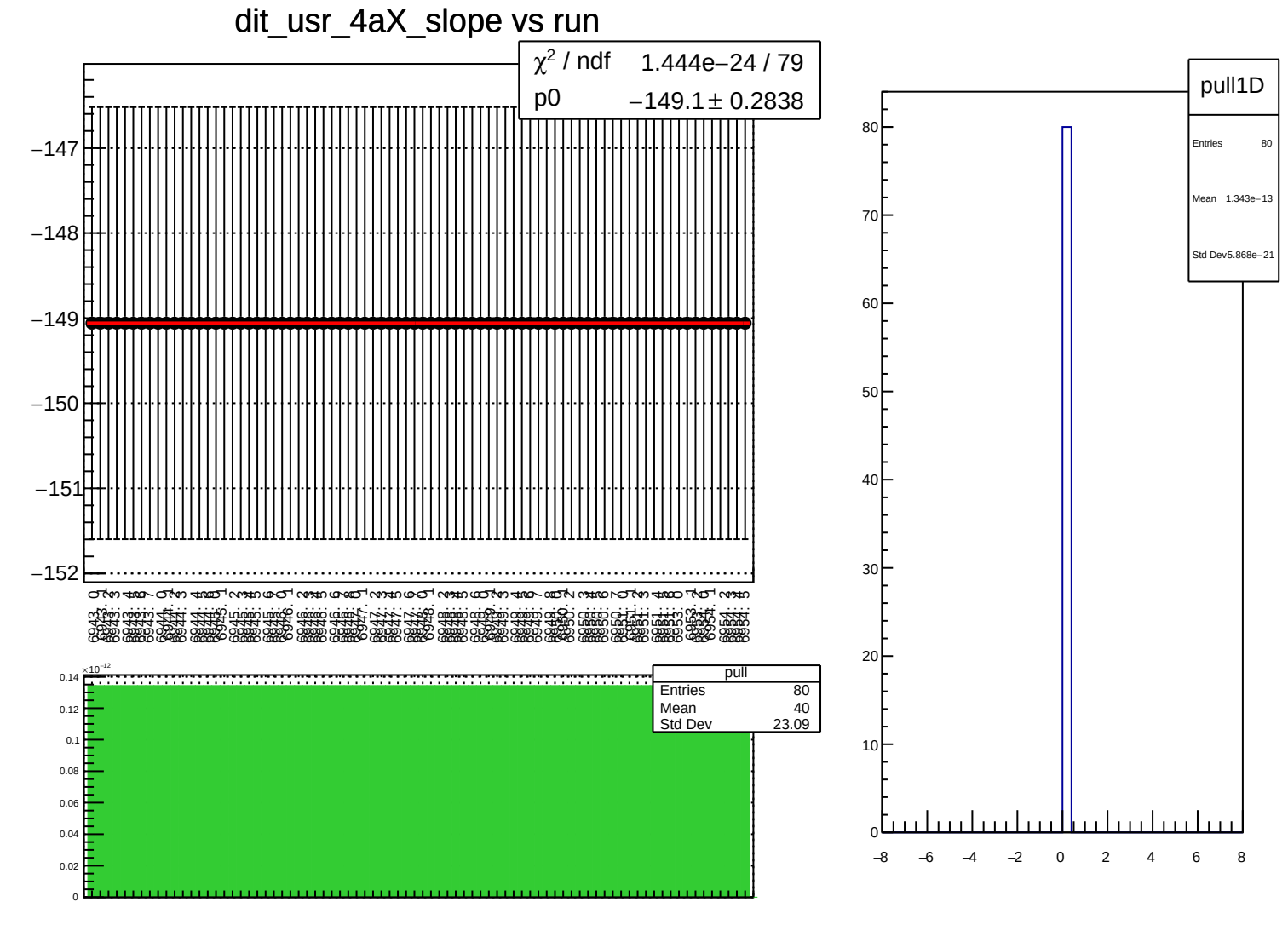

pull1D
Entries 80
Mean 2.979e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

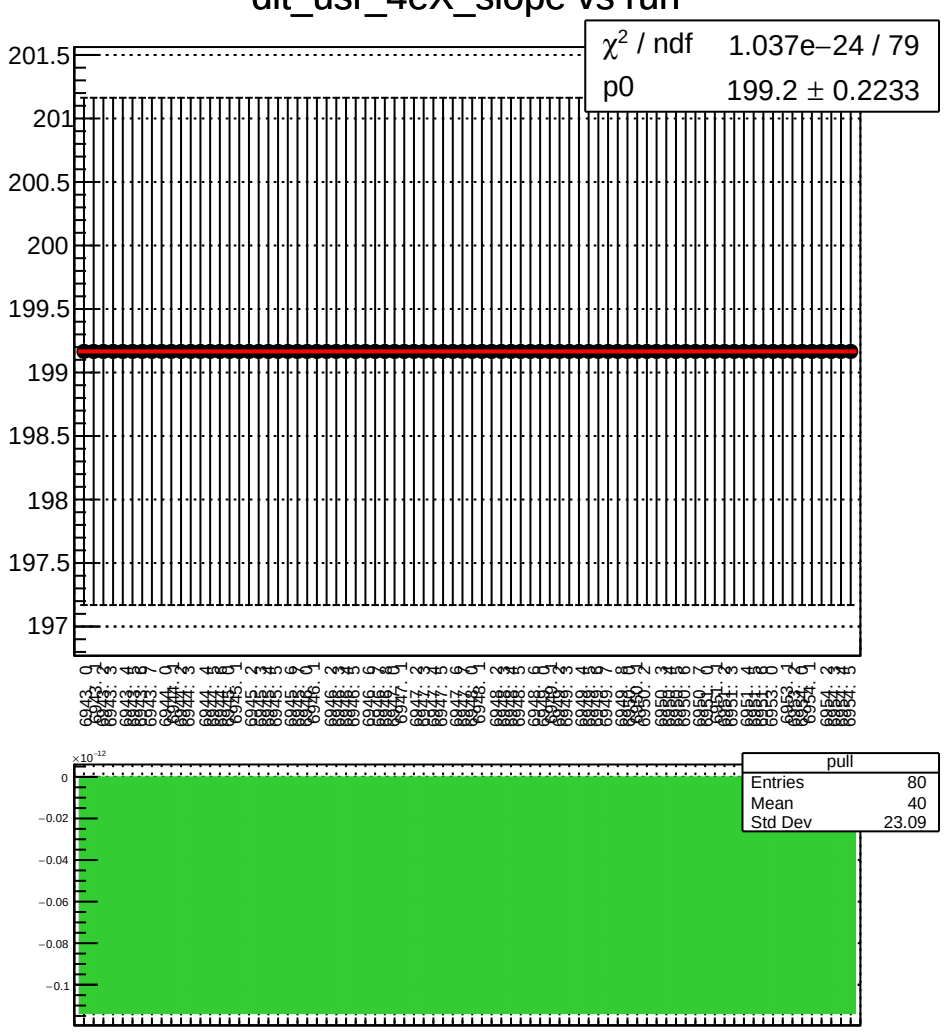

dit_usl_11X12X_slope vs run
χ² / ndf 4.792e−25 / 79
p0 −41.49 ± 0.02053
−41.3
−41.35
−41.4
−41.45
−41.5
−41.55
−41.6
−41.65
−41.7
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.739e−14
Std Dev4.062e−21

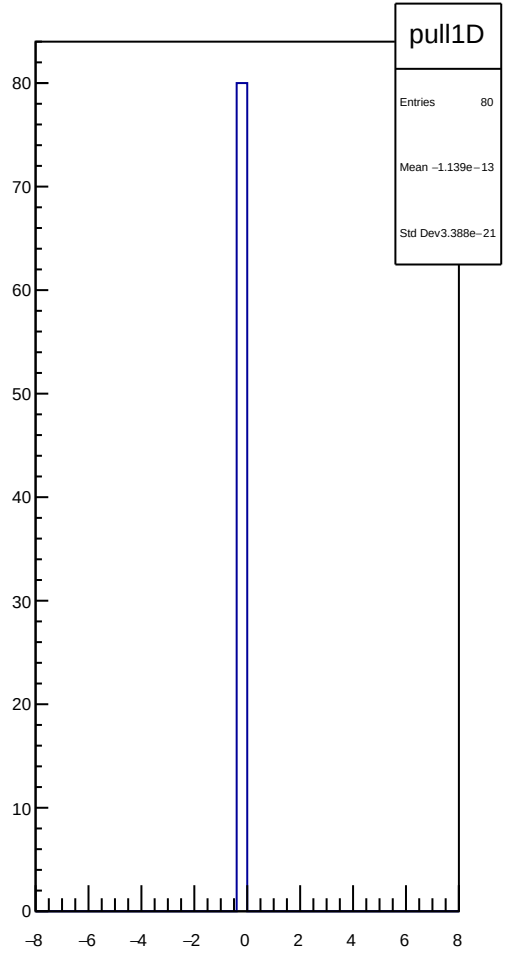

dit_usl_4aY_slope vs run
χ² / ndf 1.301e−27 / 79
p0 2.889 ± 0.02462
3.1
3
2.9
2.8
2.7
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

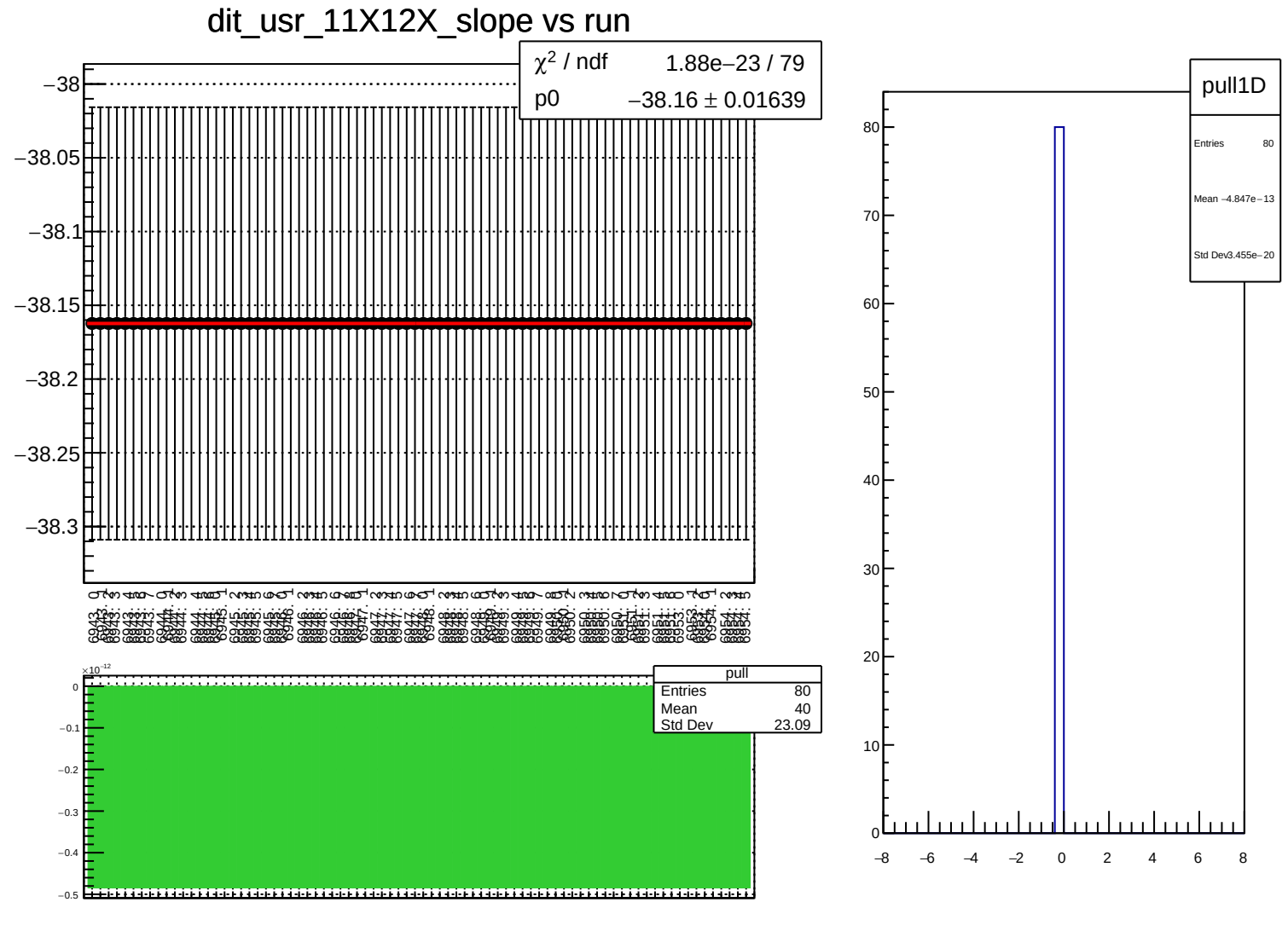

pull1D
Entries 80
Mean −4.033e−15
Std Dev1.184e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

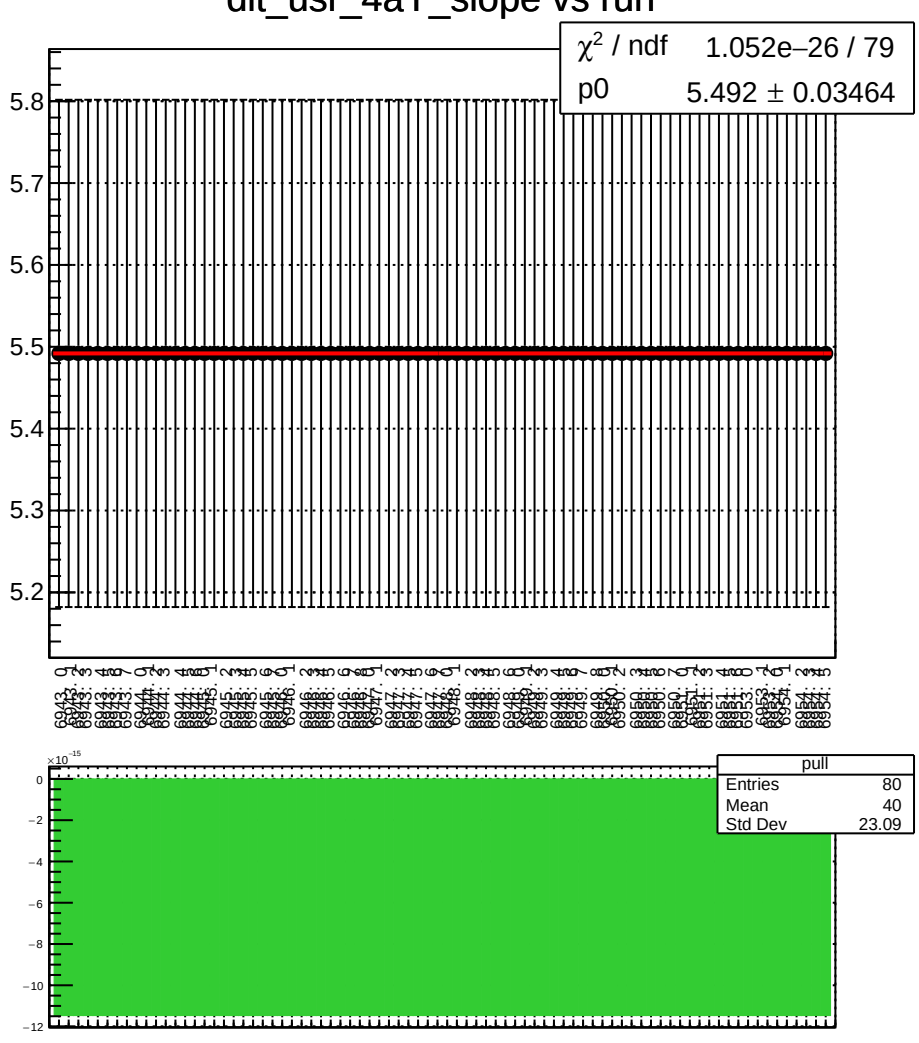

dit_usl_4eY_slope vs run
χ² / ndf 1.501e−24 / 79
p0 18.9 ± 0.0174
19.05
19
18.95
18.9
18.85
18.8
18.75
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.37e−13
Std Dev 8.47e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

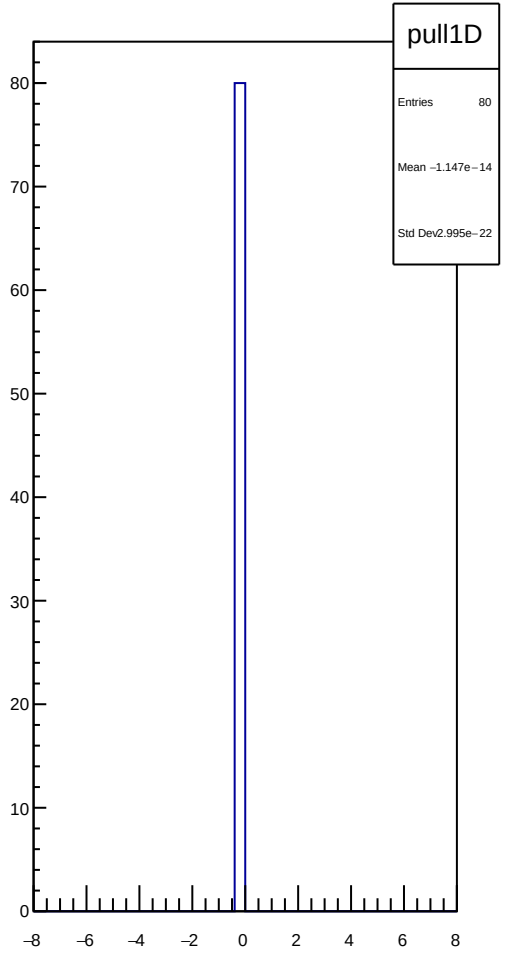

dit_usr_4aX_slope vs run
χ² / ndf 1.444e−24 / 79
p0 −149.1 ± 0.2838
−147
−148
−149
−150
−151
−152
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.343e−13
Std Dev 5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

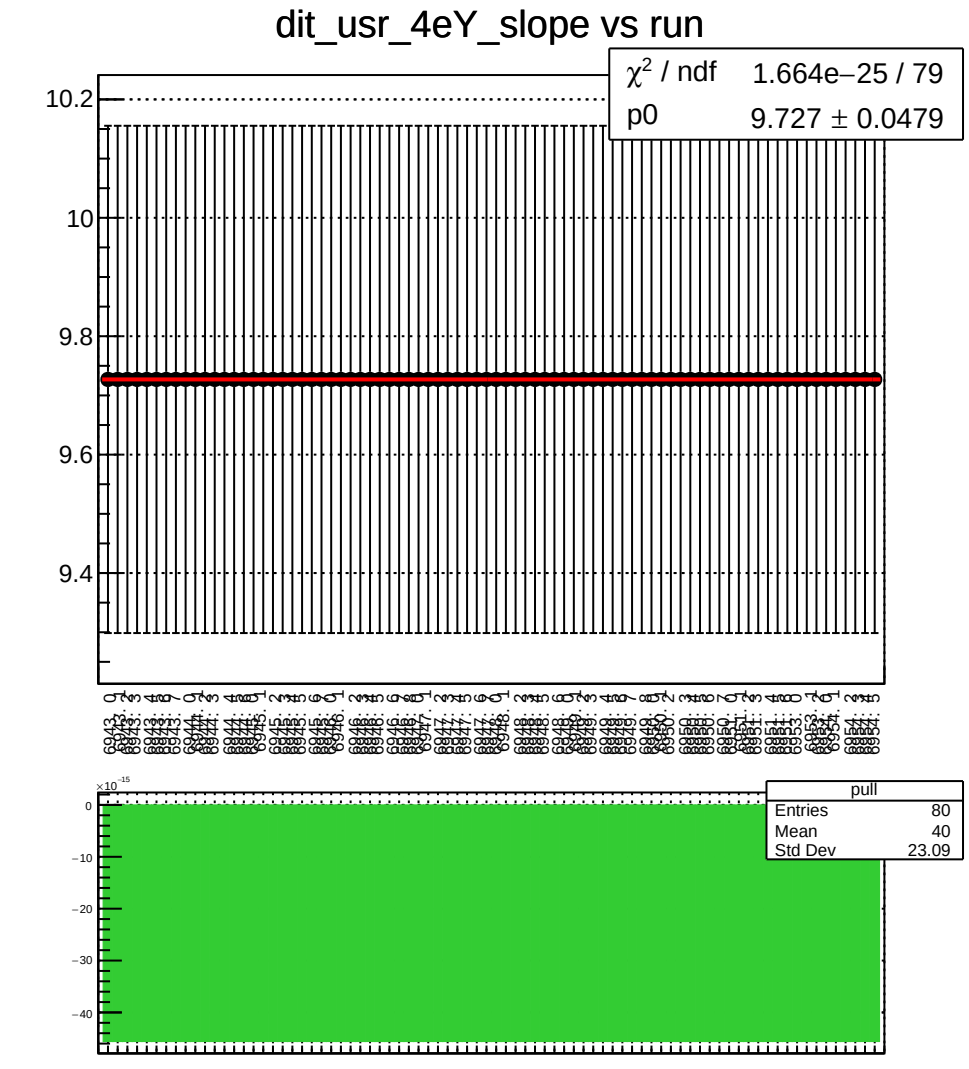

dit_usr_4eX_slope vs run
χ^2 / ndf 1.037e−24 / 79
p0 199.2 ± 0.2233
201.5
201
200.5
200
199.5
199
198.5
198
197.5
197
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

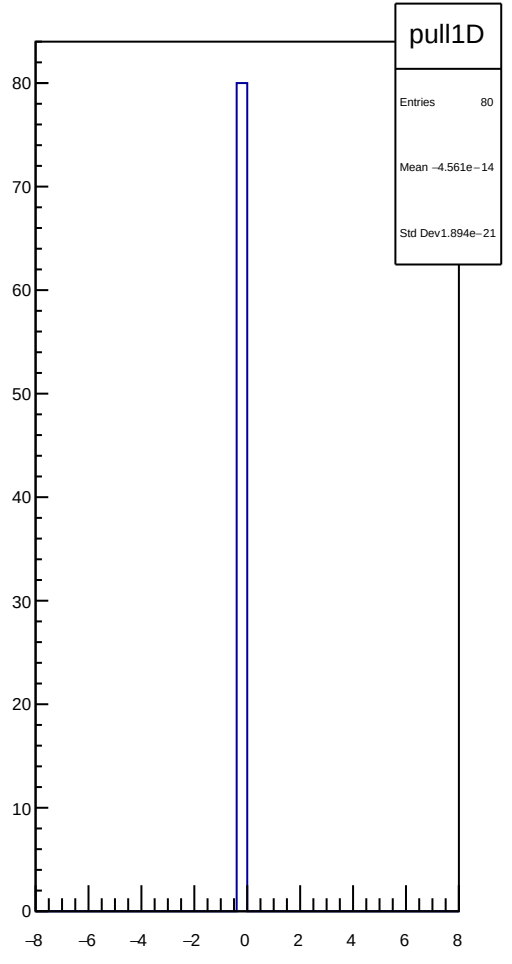

pull1D
Entries 80
Mean −1.139e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

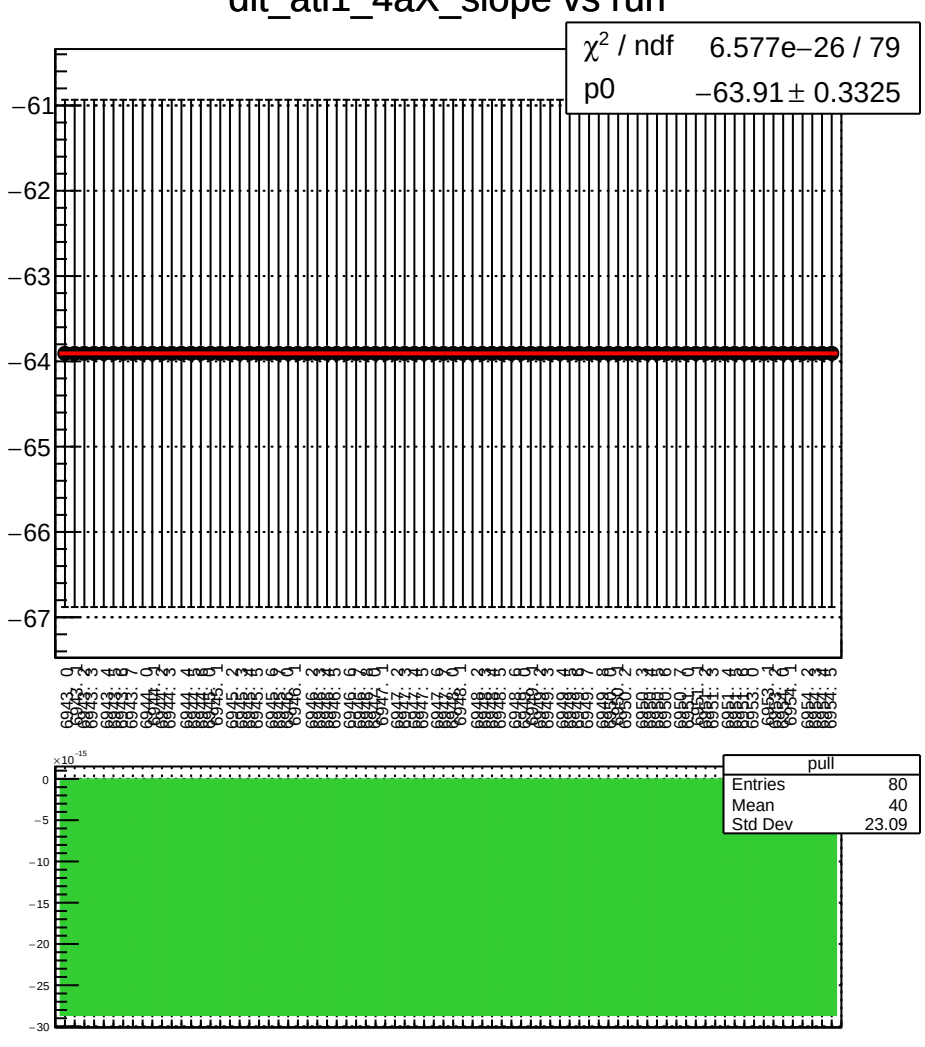

dit_usr_11X12X_slope vs run
χ² / ndf 1.88e−23 / 79
p0 −38.16 ± 0.01639
−38
−38.05
−38.1
−38.15
−38.2
−38.25
−38.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 80
Mean −4.847e−13
Std Dev 3.455e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

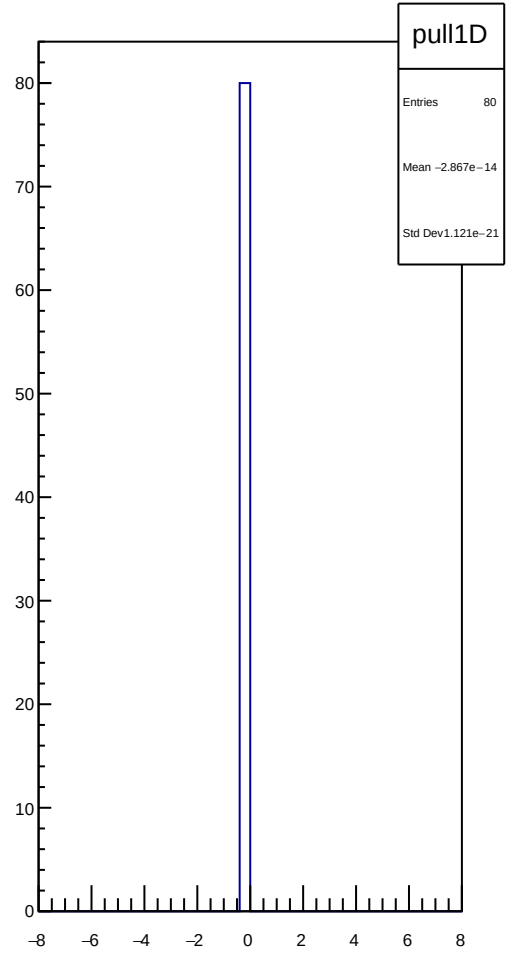

dit_usr_4aY_slope vs run
χ² / ndf 1.052e−26 / 79
p0 5.492 ± 0.03464
pull
Entries 80
Mean 40
Std Dev 23.09

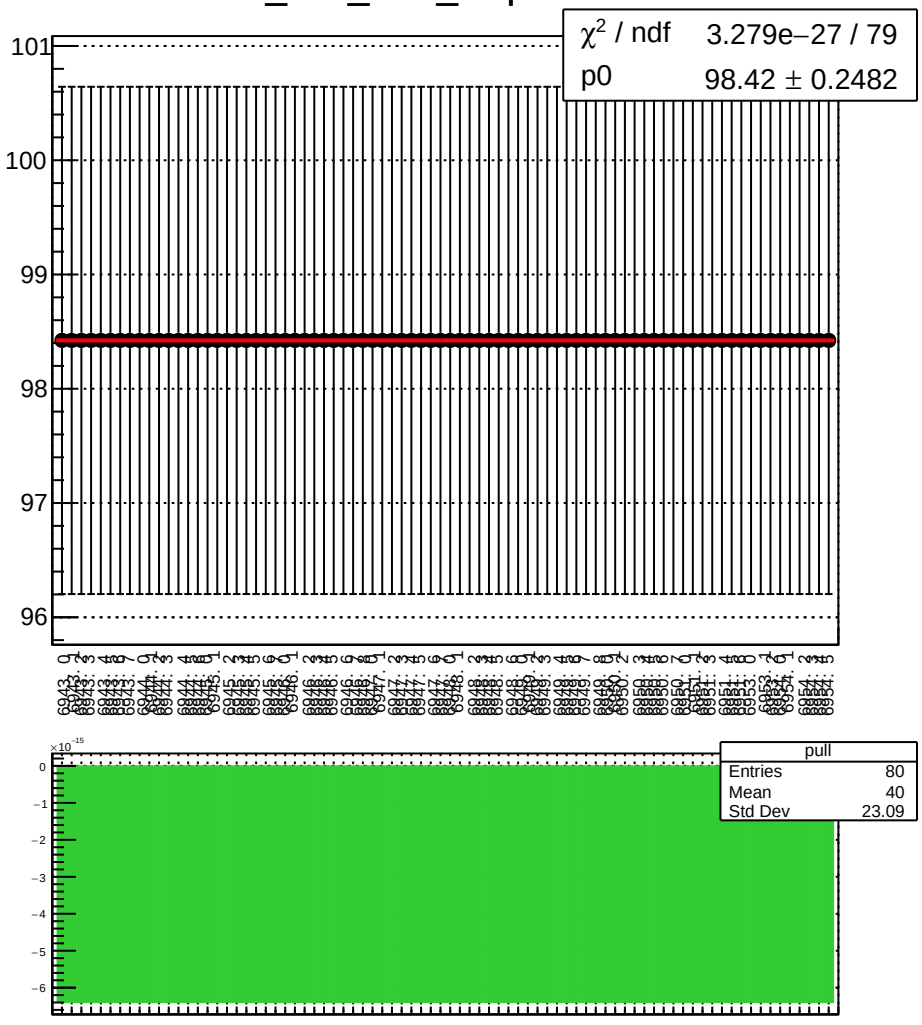

pull1D
Entries 80
Mean −1.147e−14
Std Dev 2.995e−22

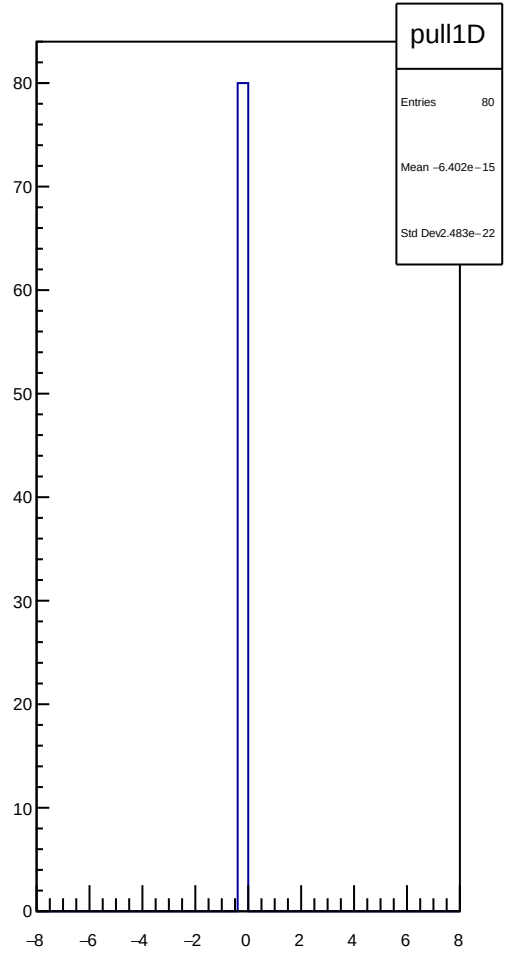

dit_usr_4eY_slope vs run
χ^2 / ndf 1.664e−25 / 79
p0 9.727 ± 0.0479
10.2
10
9.8
9.6
9.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40

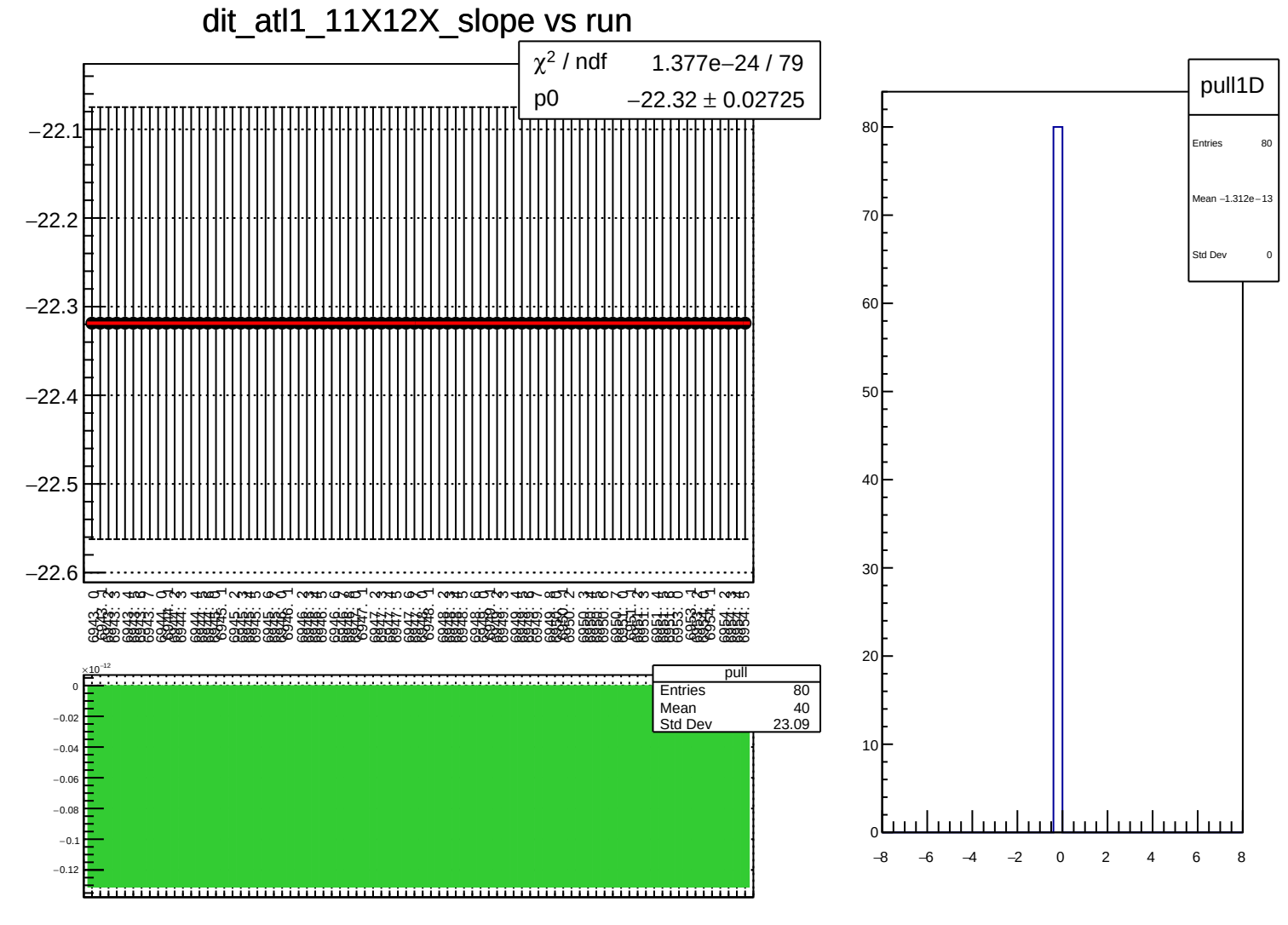

pull1D
Entries 80
Mean −4.561e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

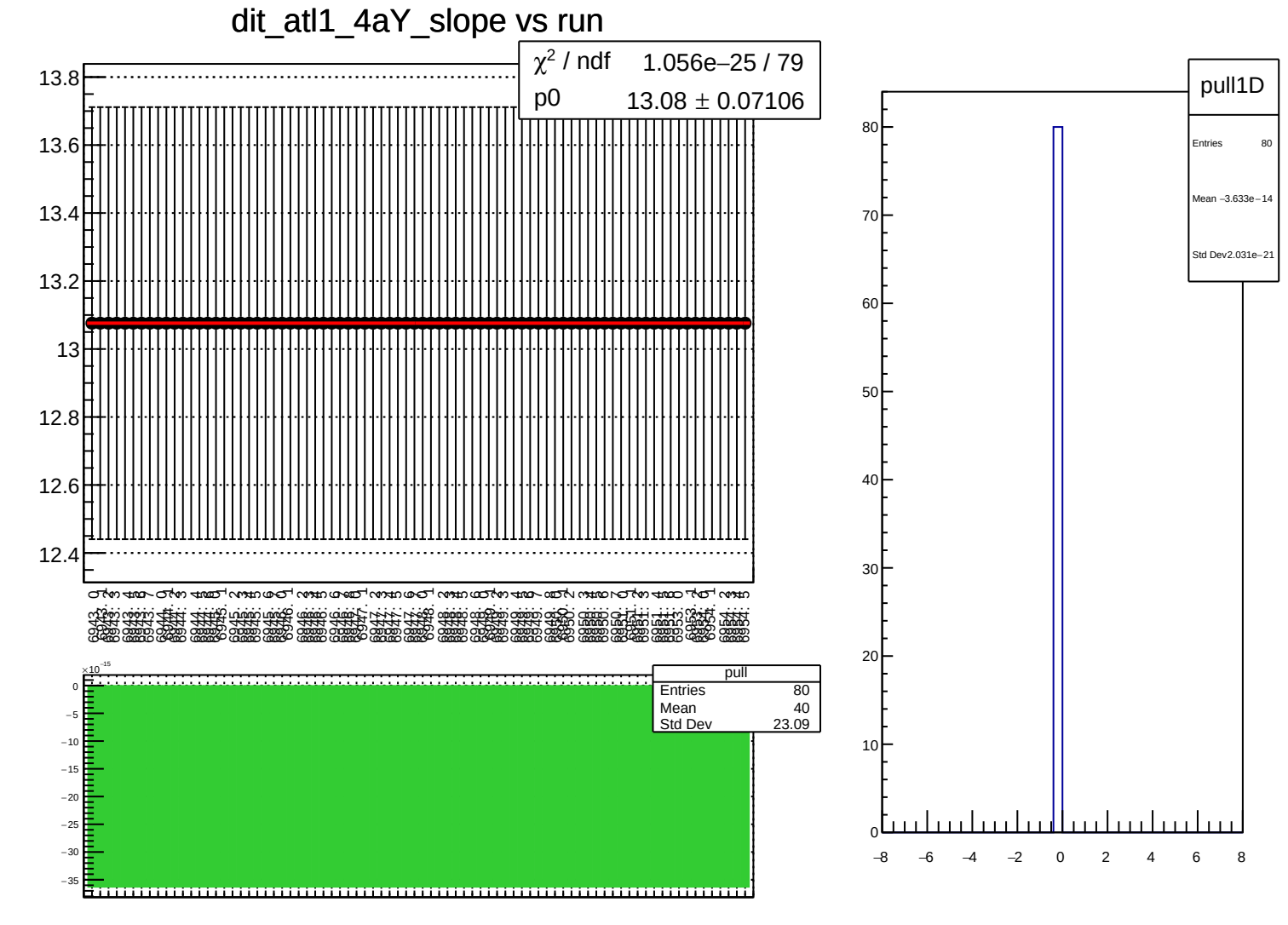

dit_atl1_4aX_slope vs run
χ² / ndf 6.577e−26 / 79
p0 −63.91 ± 0.3325
pull
Entries 80
Mean 40
Std Dev 23.09

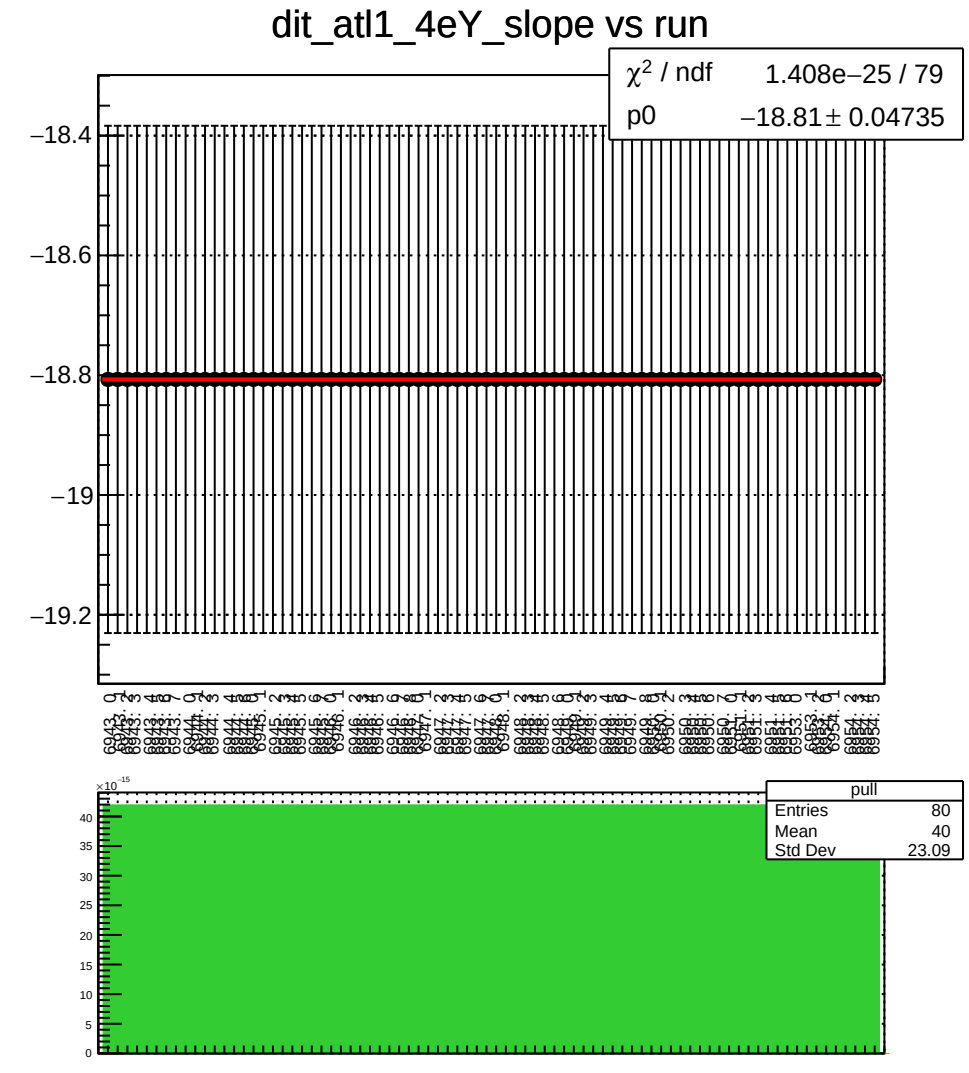

pull1D
Entries 80
Mean −2.867e−14
Std Dev1.121e−21

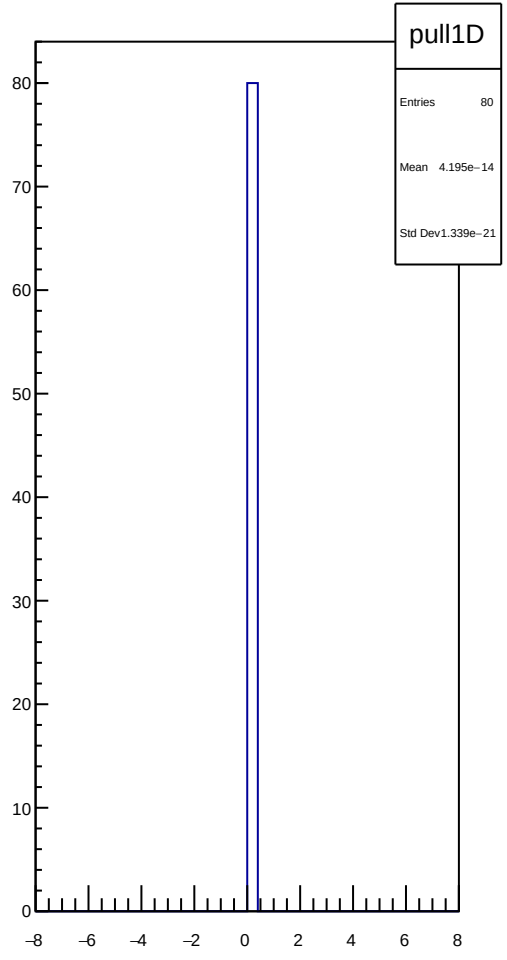

dit_atl1_4eX_slope vs run
χ² / ndf 3.279e−27 / 79
p0 98.42 ± 0.2482
101
100
99
98
97
96
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

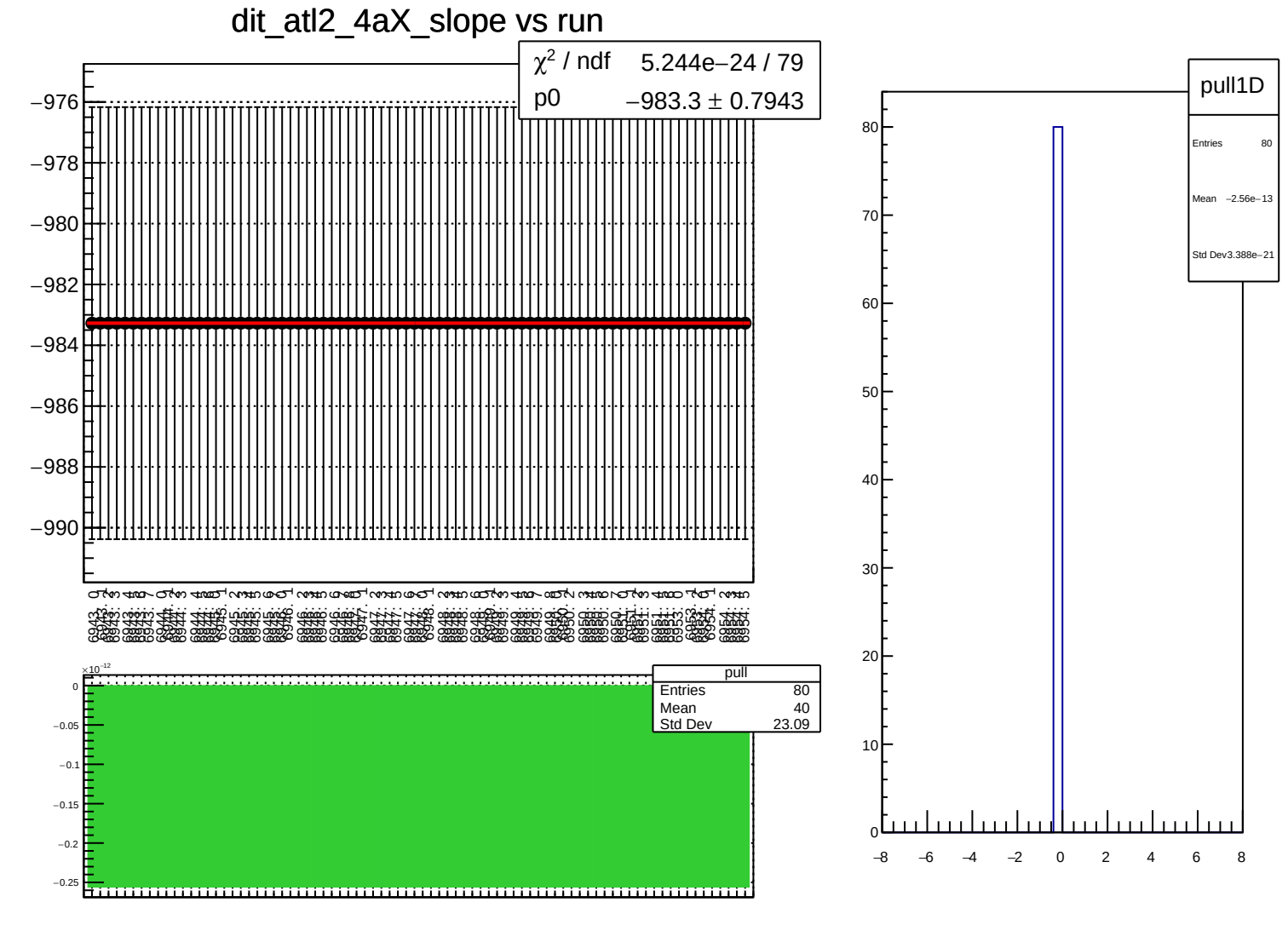

pull1D
Entries 80
Mean −6.402e−15
Std Dev2.483e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

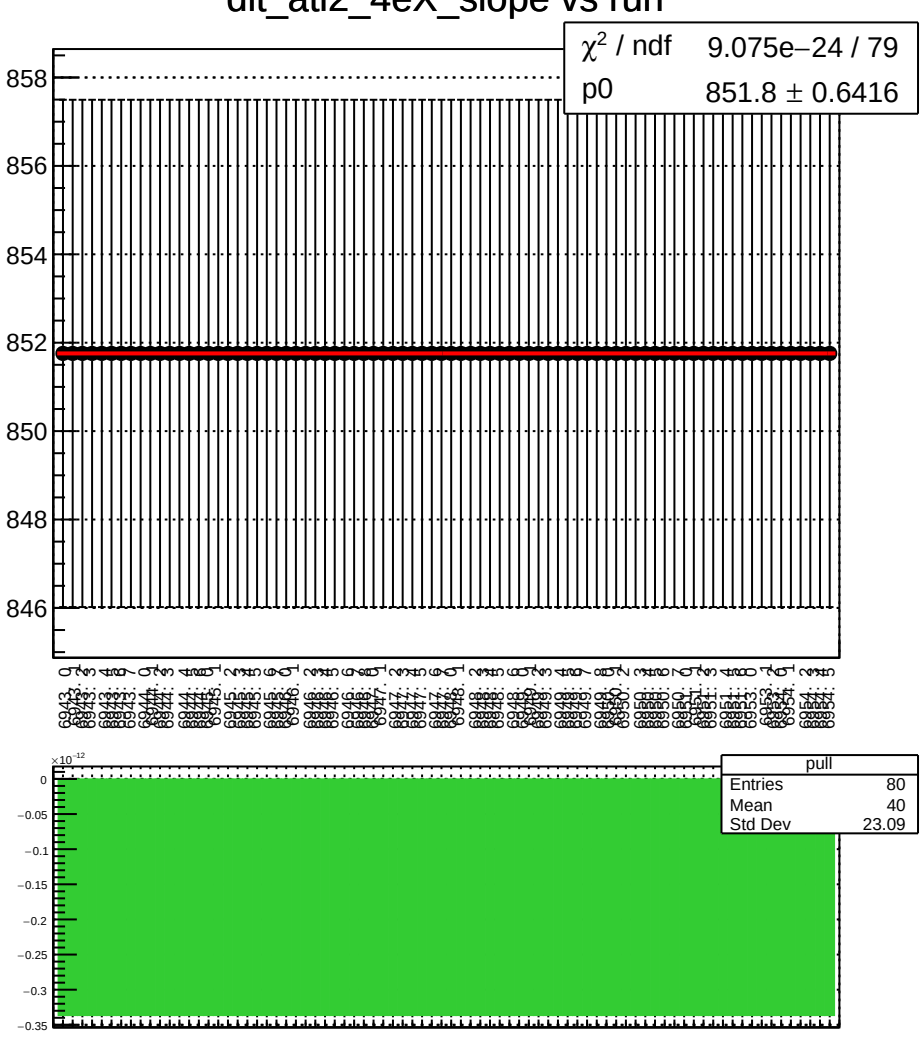

dit_atl1_11X12X_slope vs run
χ² / ndf 1.377e−24 / 79
p0 −22.32 ± 0.02725
−22.1
−22.2
−22.3
−22.4
−22.5
−22.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.312e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

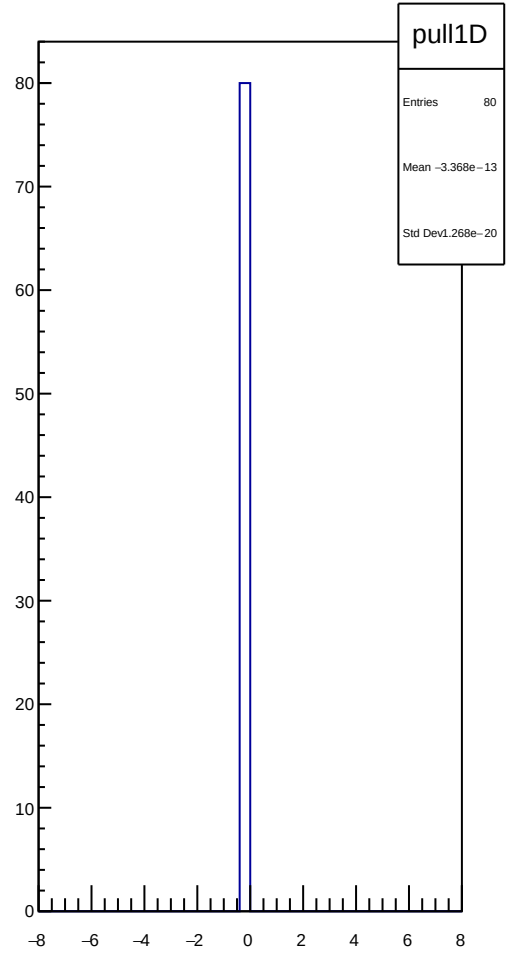

dit_atl1_4aY_slope vs run
χ^2 / ndf 1.056e−25 / 79
p0 13.08 ± 0.07106
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.633e−14
Std Dev2.031e−21

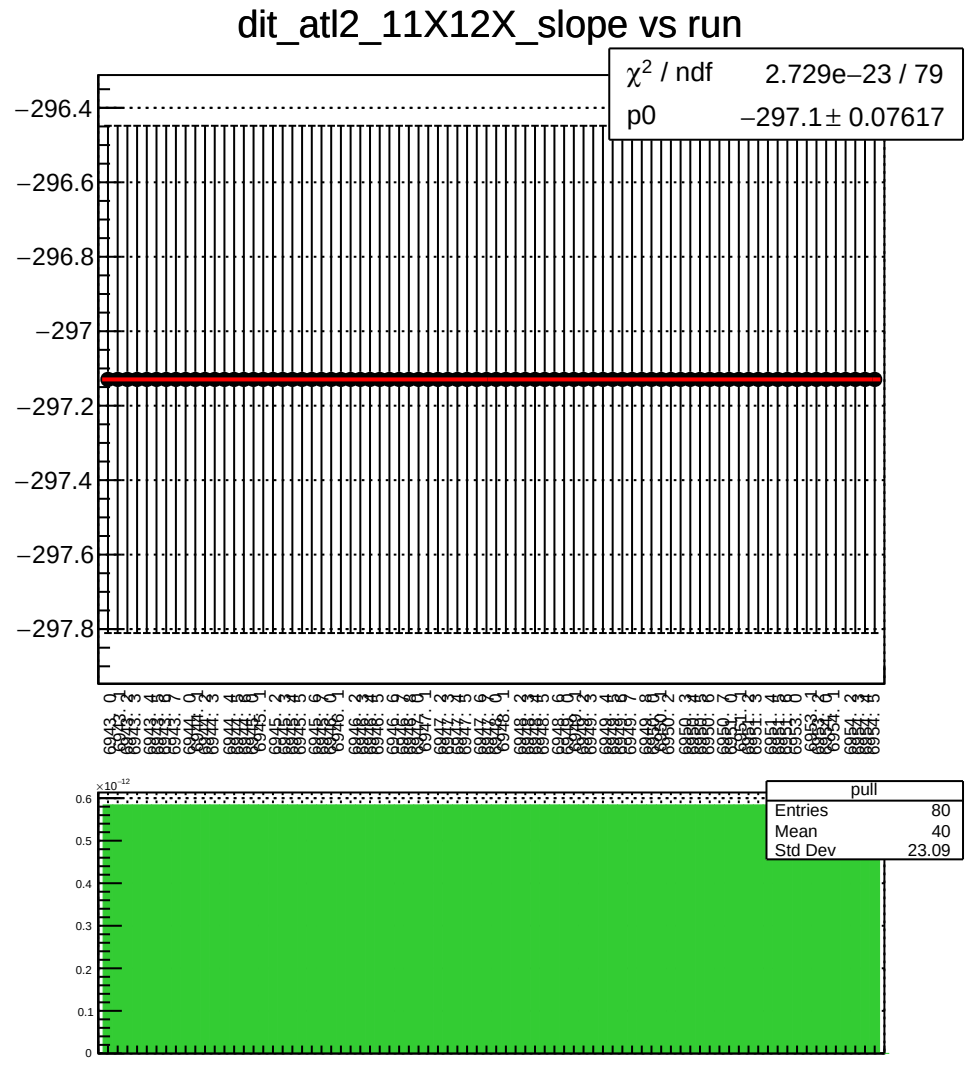

dit_atl1_4eY_slope vs run
χ² / ndf 1.408e−25 / 79
p0 −18.81 ± 0.04735
−18.4
−18.6
−18.8
−19
−19.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

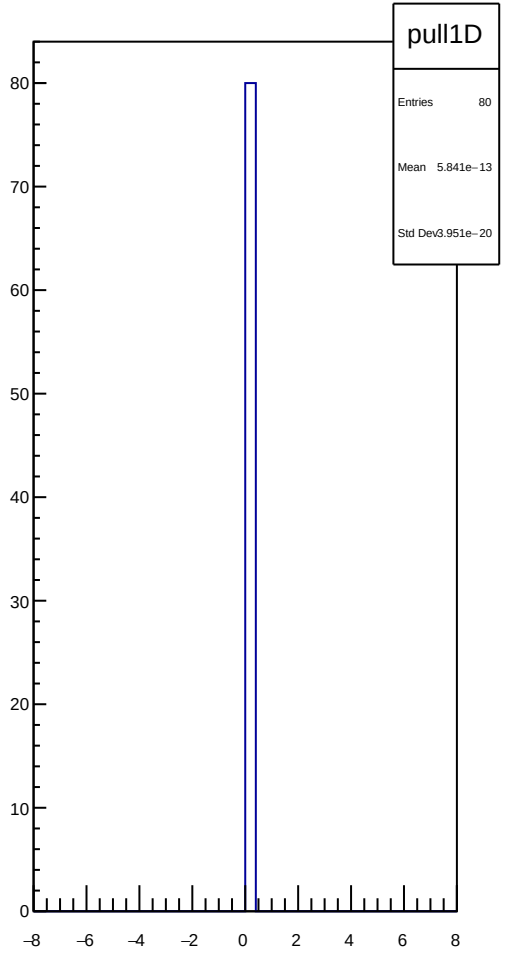

pull1D
Entries 80
Mean 4.195e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

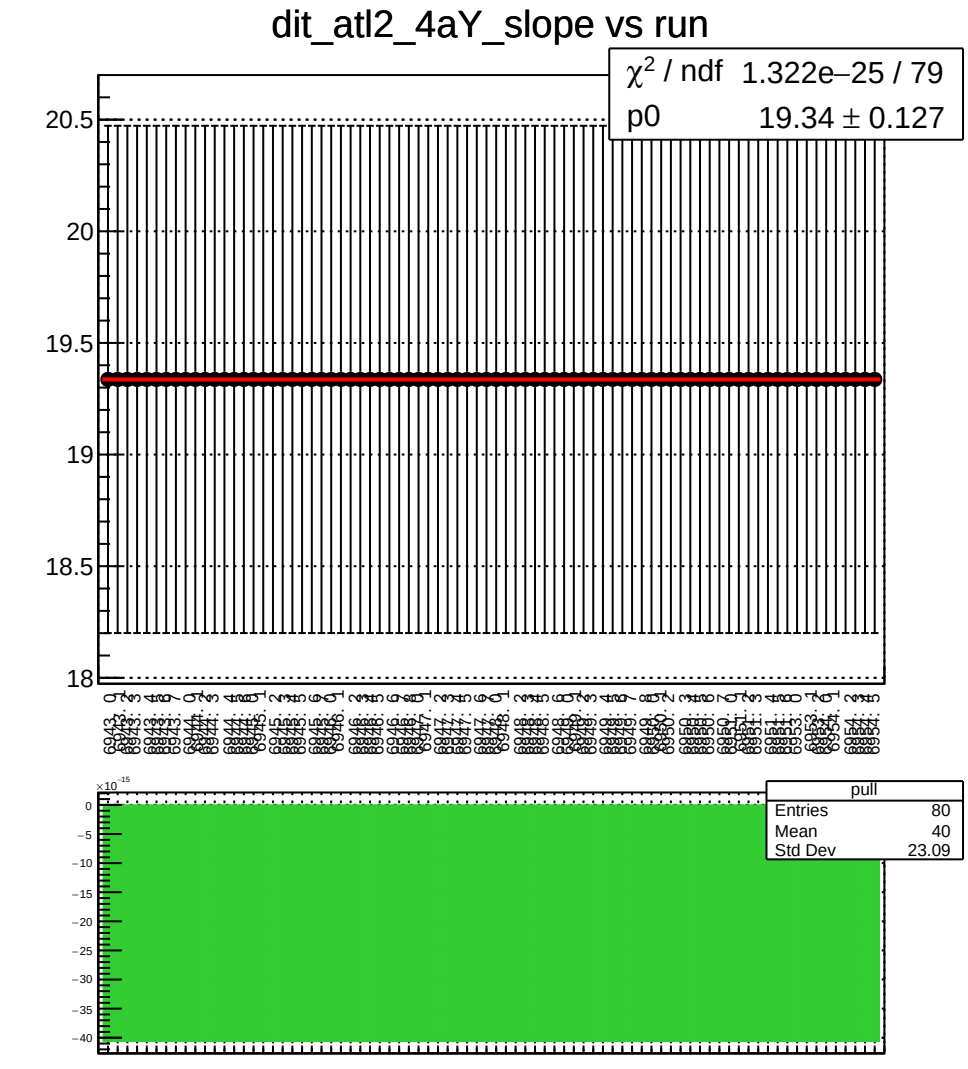

dit_atl2_4aX_slope vs run
χ^2 / ndf 5.244e−24 / 79
p0 −983.3 ± 0.7943
−976
−978
−980
−982
−984
−986
−988
−990
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 80
Mean −2.56e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

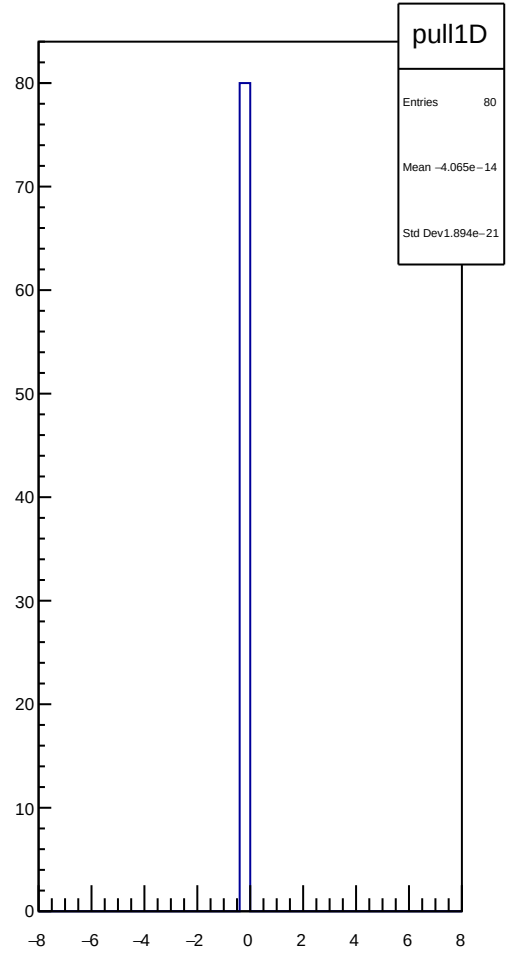

dit_atl2_4eX_slope vs run
χ² / ndf 9.075e−24 / 79
p0 851.8 ± 0.6416
858
856
854
852
850
848
846
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

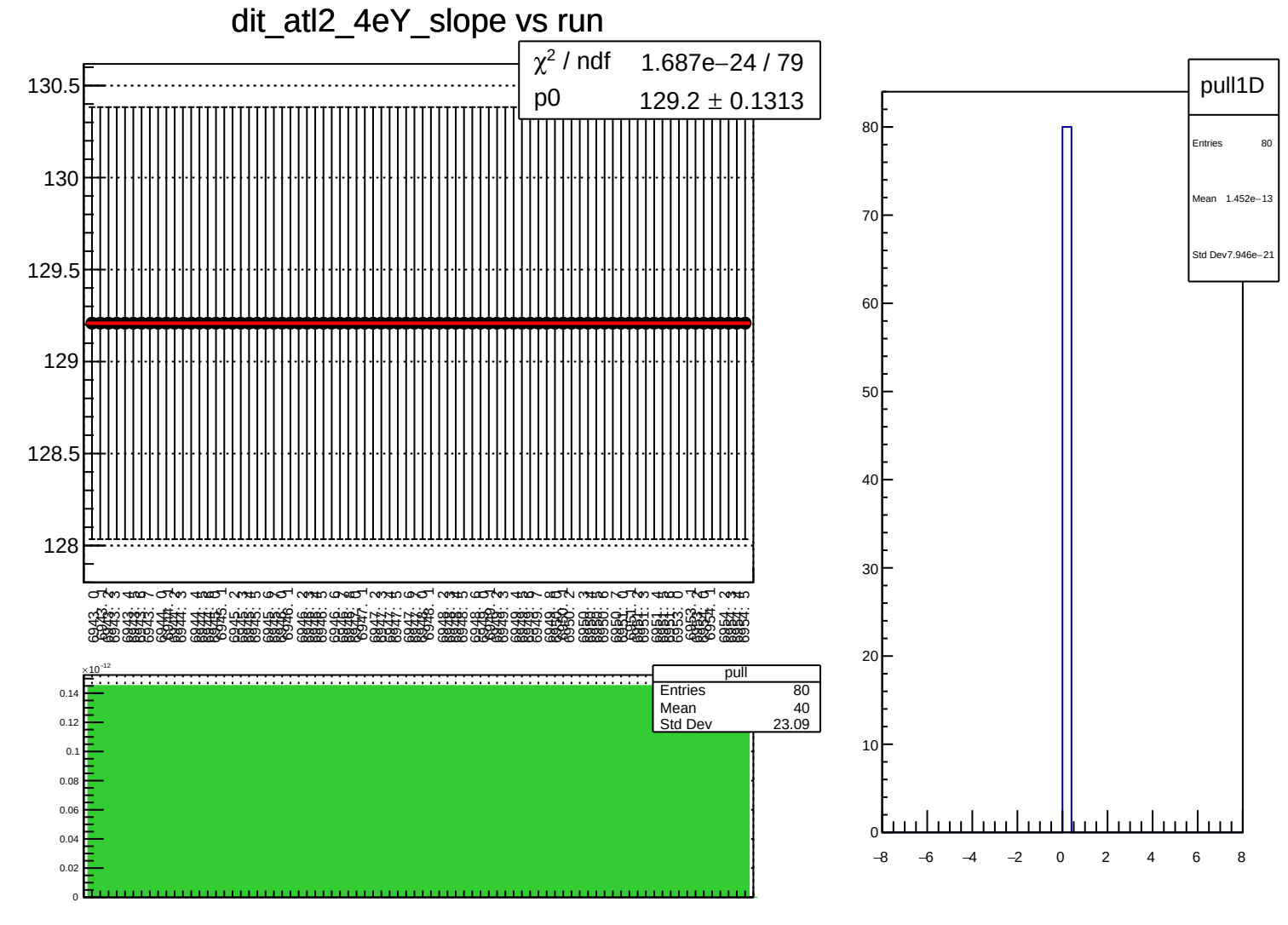

pull1D
Entries 80
Mean −3.368e−13
Std Dev1.268e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

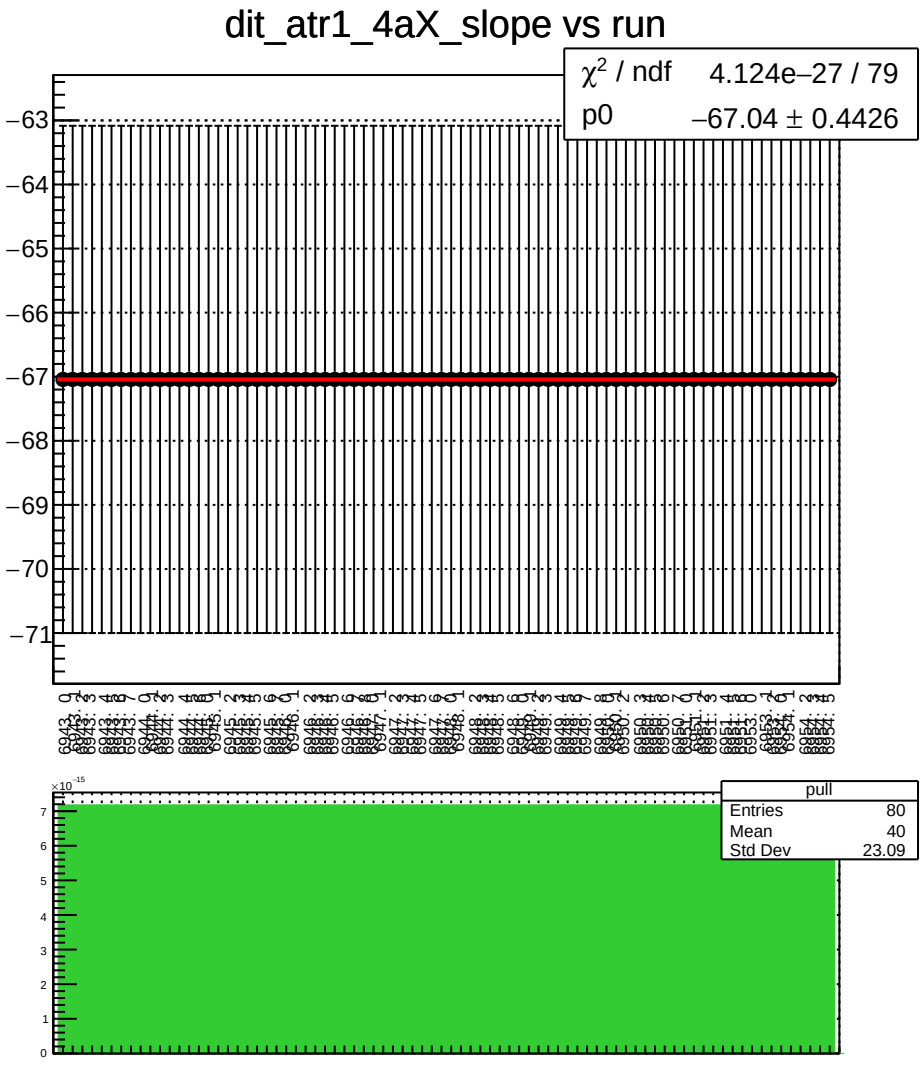

dit_atl2_11X12X_slope vs run
χ² / ndf 2.729e−23 / 79
p0 −297.1 ± 0.07617
−296.4
−296.6
−296.8
−297
−297.2
−297.4
−297.6
−297.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0

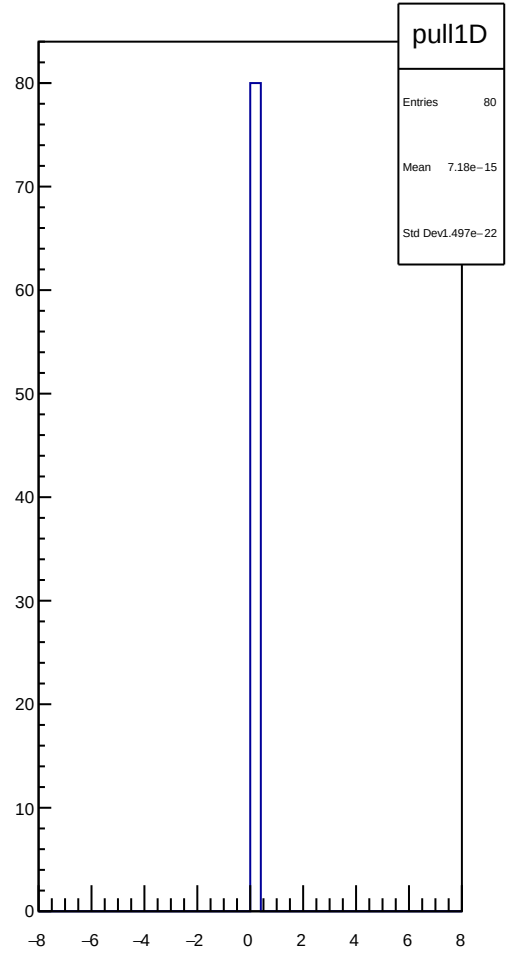

pull1D
Entries 80
Mean 5.841e−13
Std Dev 3.951e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

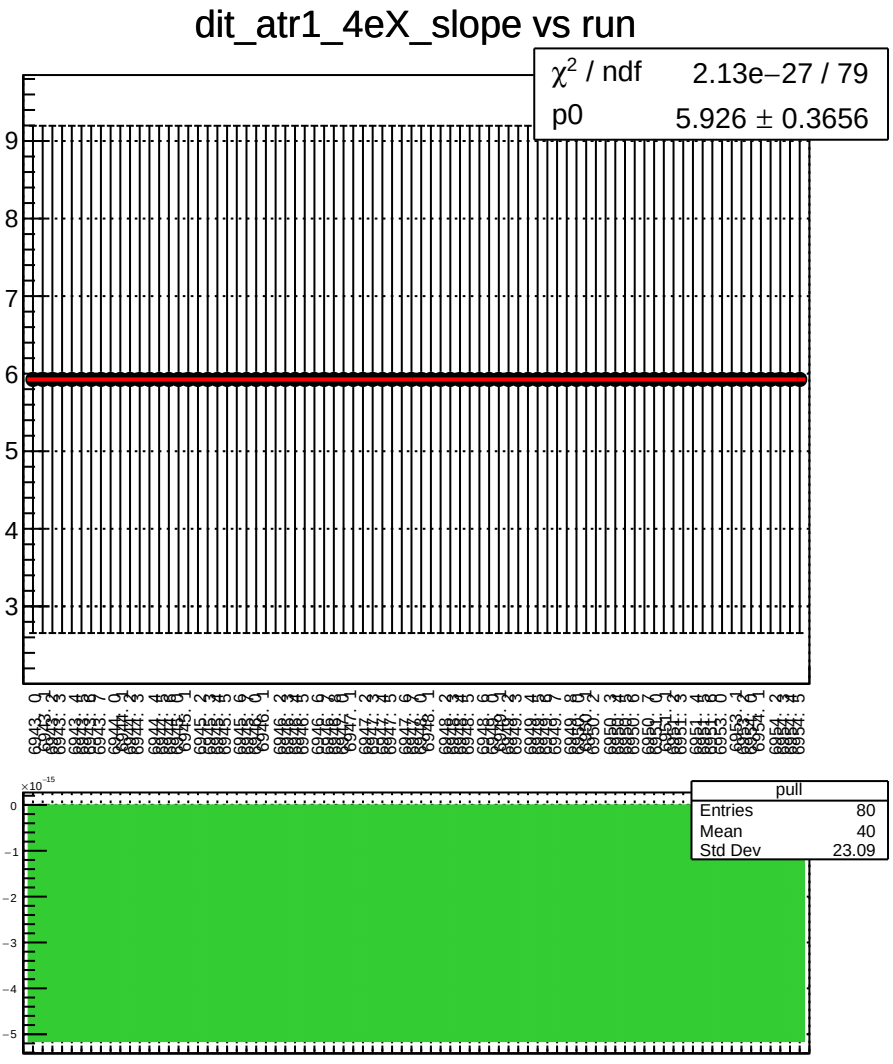

dit_atl2_4aY_slope vs run
χ² / ndf 1.322e−25 / 79
p0 19.34 ± 0.127
20.5
20
19.5
19
18.5
18
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

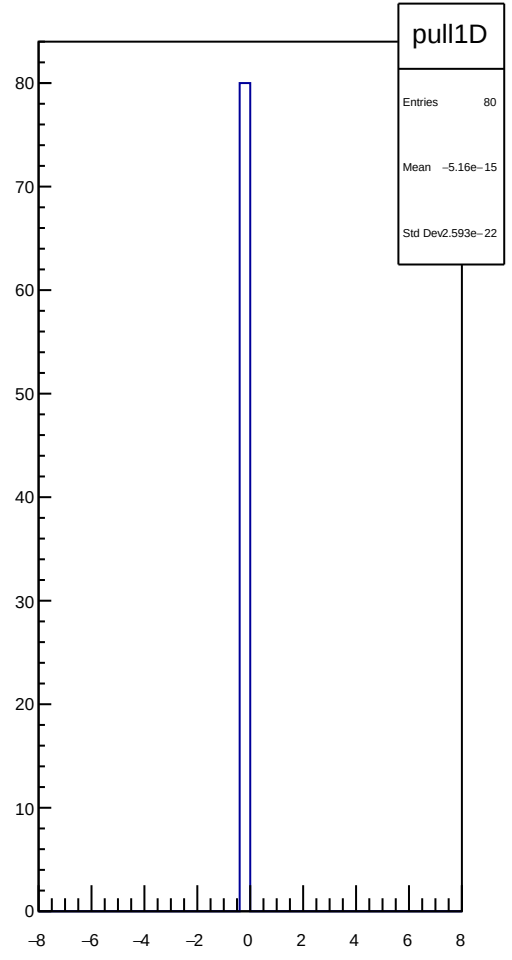

pull1D
Entries 80
Mean −4.065e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

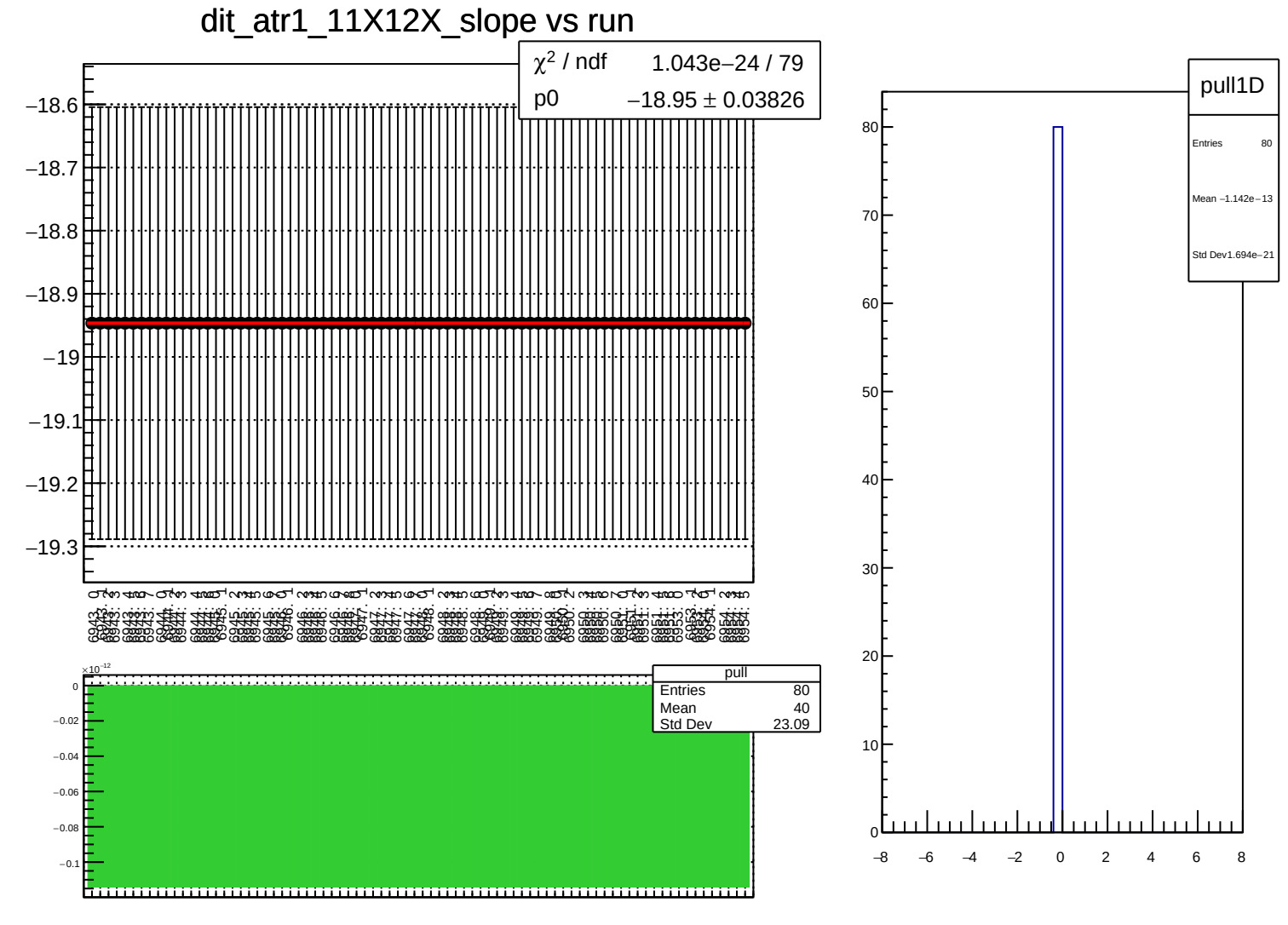

dit_atl2_4eY_slope vs run
χ² / ndf 1.687e−24 / 79
p0 129.2 ± 0.1313
130.5
130
129.5
129
128.5
128
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.452e−13
Std Dev7.946e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

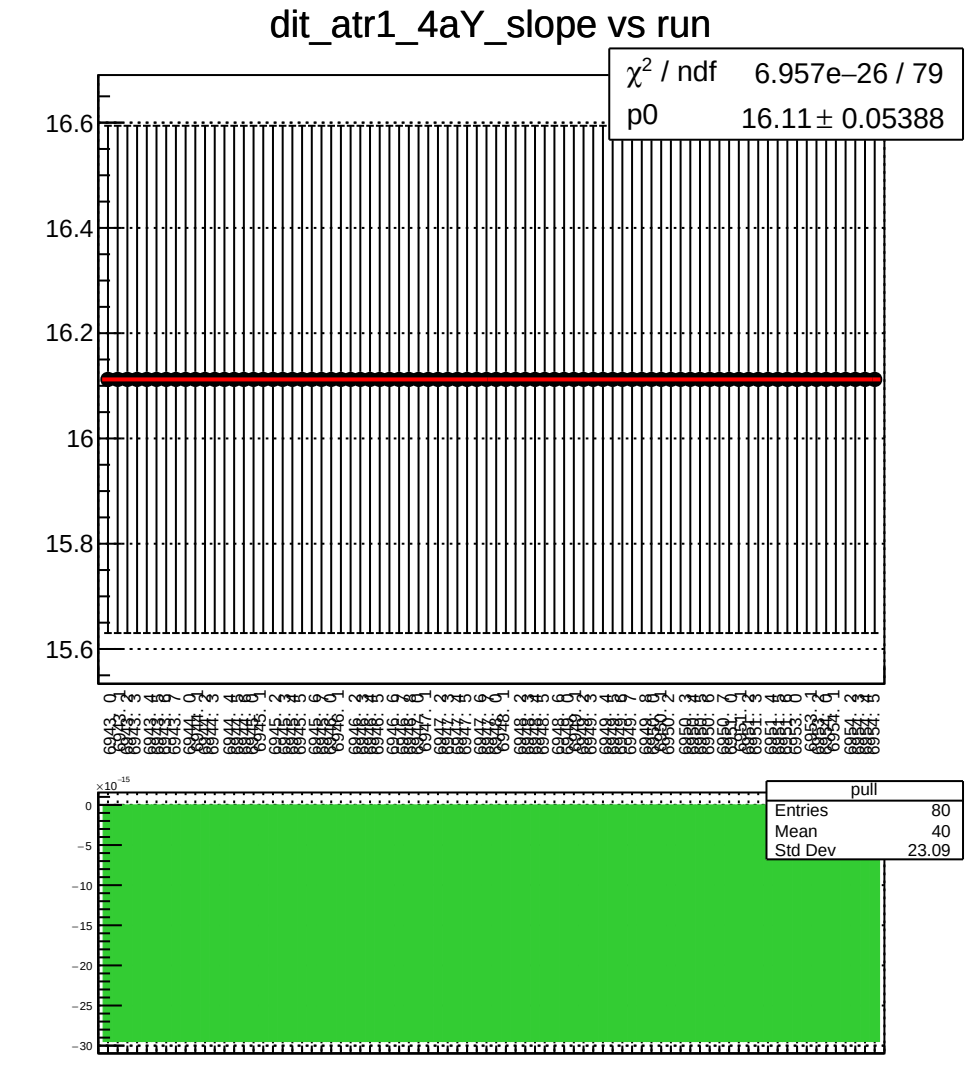

dit_atr1_4aX_slope vs run
χ² / ndf 4.124e−27 / 79
p0 −67.04 ± 0.4426
−63
−64
−65
−66
−67
−68
−69
−70
−71
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
7
6
5
4
3
2
1
0

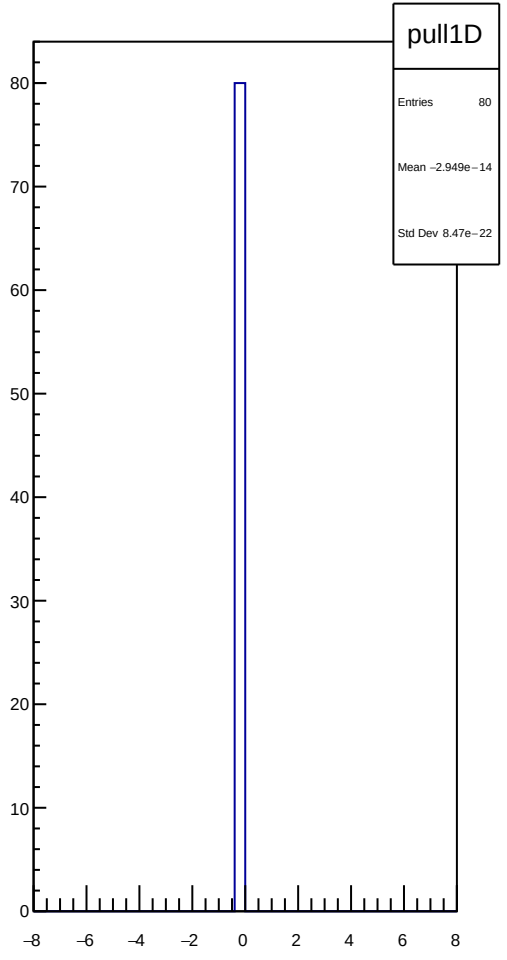

pull1D
Entries 80
Mean 7.18e−15
Std Dev1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

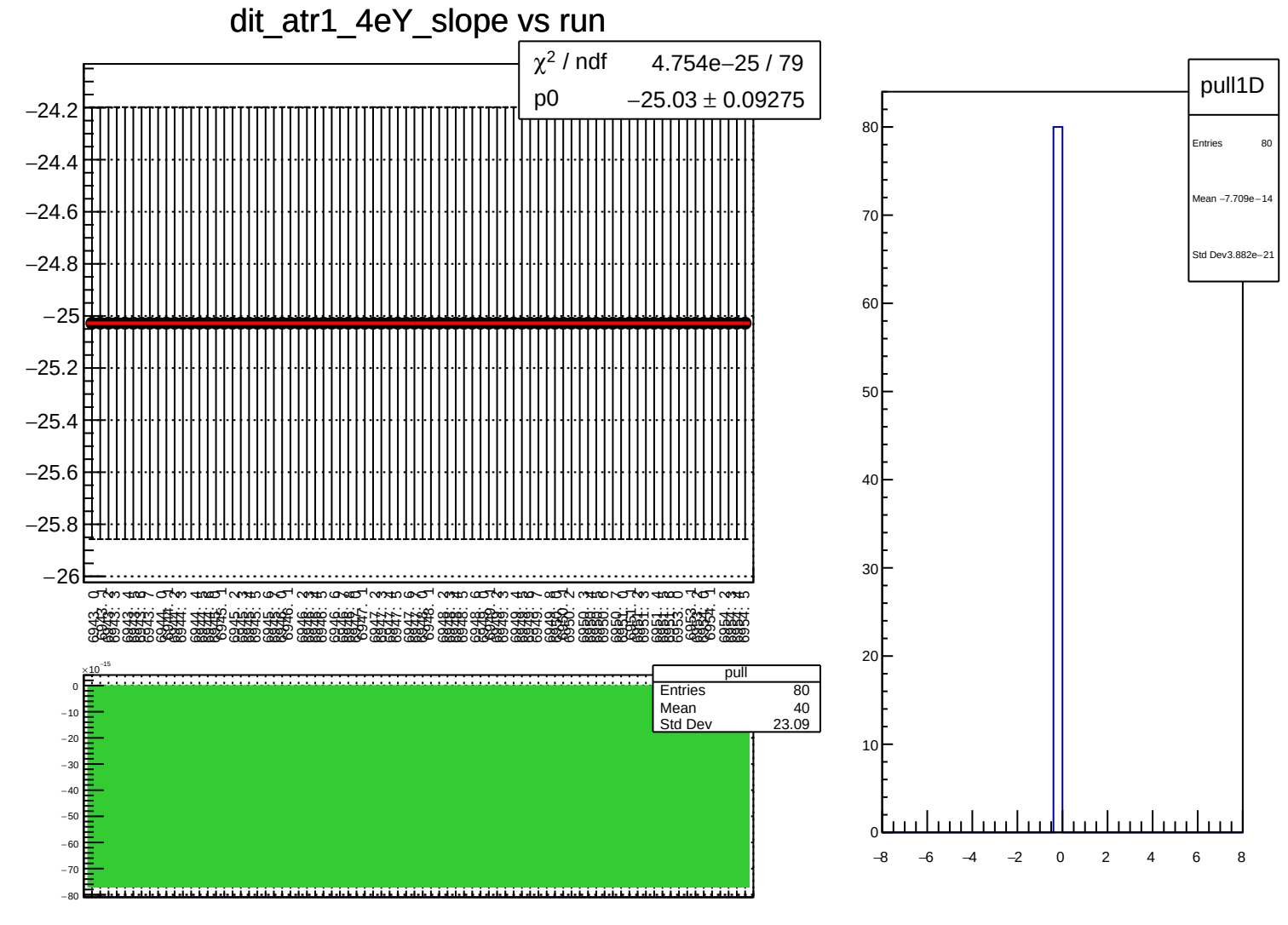

dit_atr1_4eX_slope vs run
χ² / ndf 2.13e−27 / 79
p0 5.926 ± 0.3656
pull
Entries 80
Mean 40
Std Dev 23.09

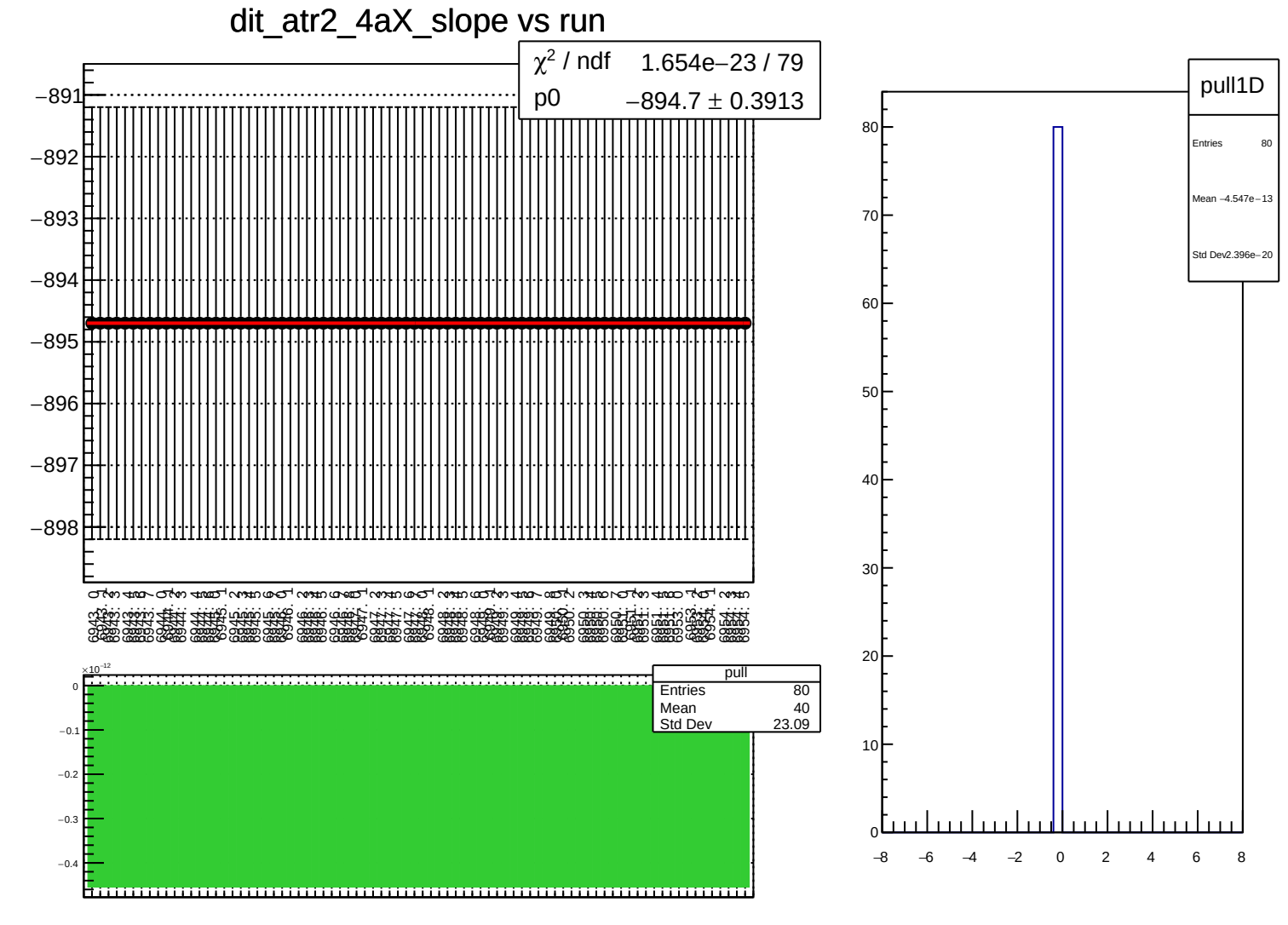

pull1D
Entries 80
Mean −5.16e−15
Std Dev 2.593e−22

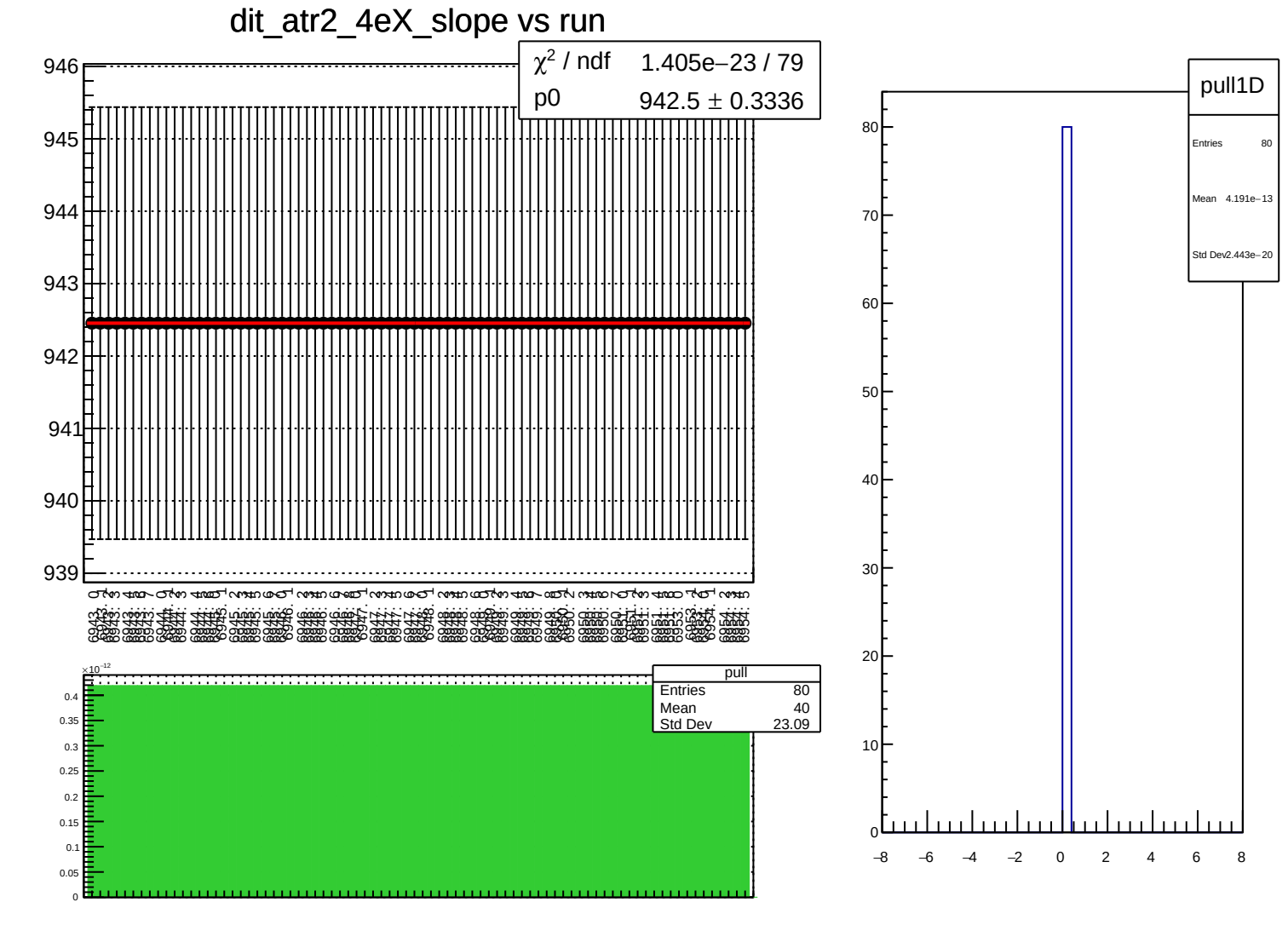

dit_atr1_11X12X_slope vs run
χ² / ndf 1.043e−24 / 79
p0 −18.95 ± 0.03826
−18.6
−18.7
−18.8
−18.9
−19
−19.1
−19.2
−19.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 80
Mean −1.142e−13
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

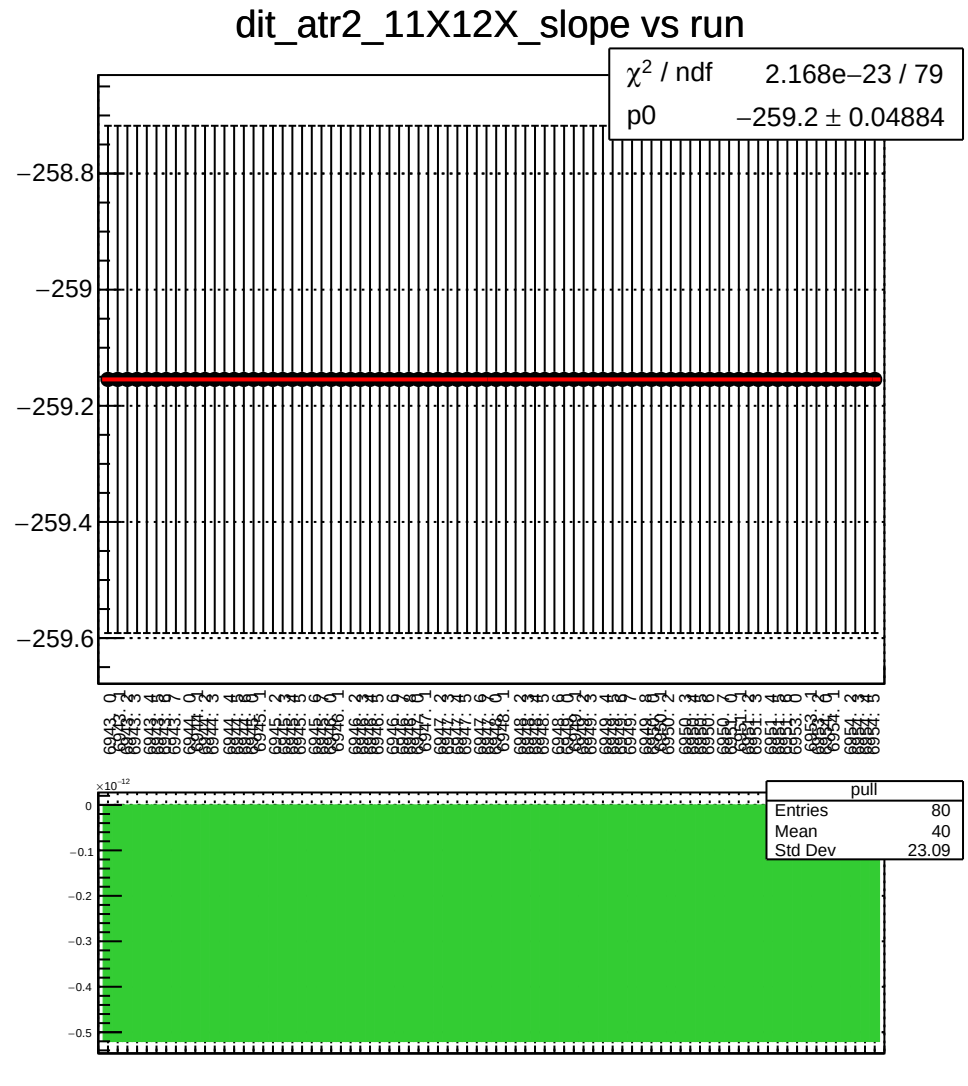

dit_atr1_4aY_slope vs run
χ² / ndf 6.957e−26 / 79
p0 16.11 ± 0.05388
16.6
16.4
16.2
16
15.8
15.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

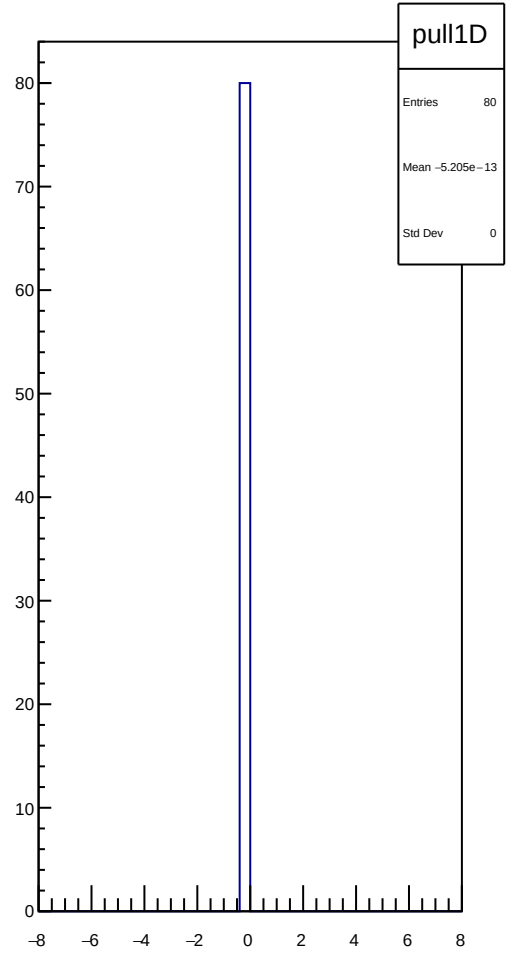

pull1D
Entries 80
Mean −2.949e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

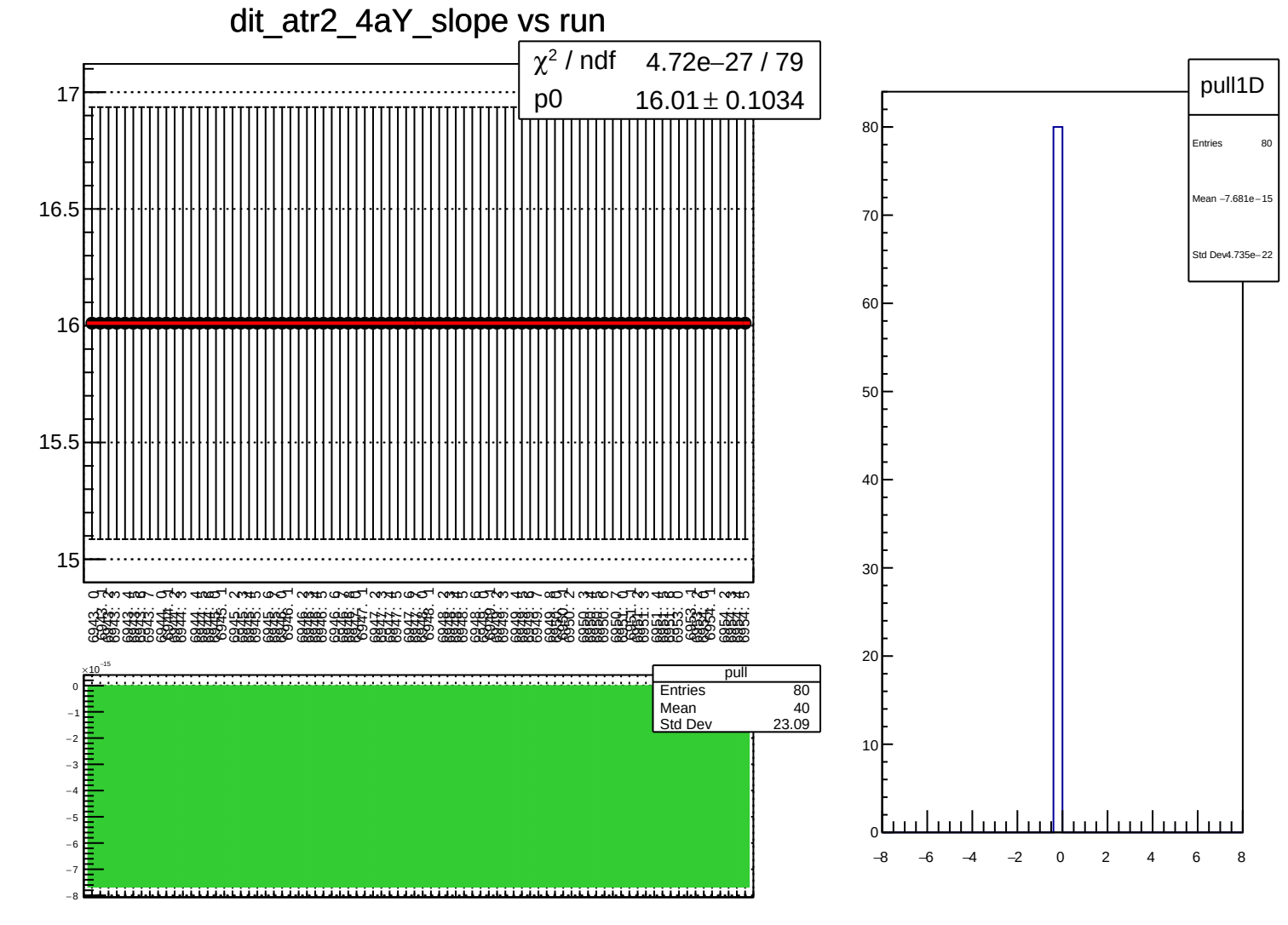

dit_atr1_4eY_slope vs run
χ² / ndf 4.754e−25 / 79
p0 −25.03 ± 0.09275
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
−25.6
−25.8
−26
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 80
Mean −7.709e−14
Std Dev3.882e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

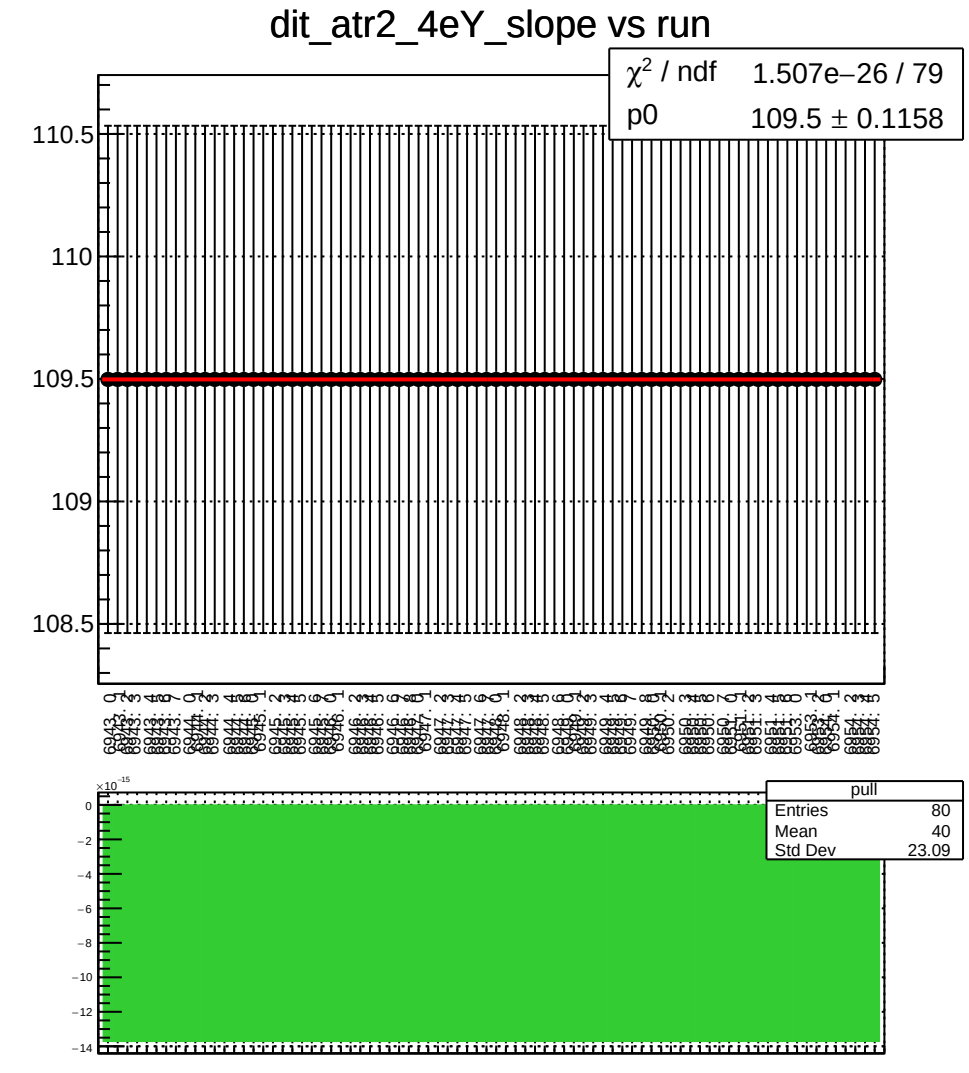

dit_atr2_4aX_slope vs run
χ^2 / ndf 1.654e−23 / 79
p0 −894.7 ± 0.3913
−891
−892
−893
−894
−895
−896
−897
−898
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 80
Mean −4.547e−13
Std Dev 2.396e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

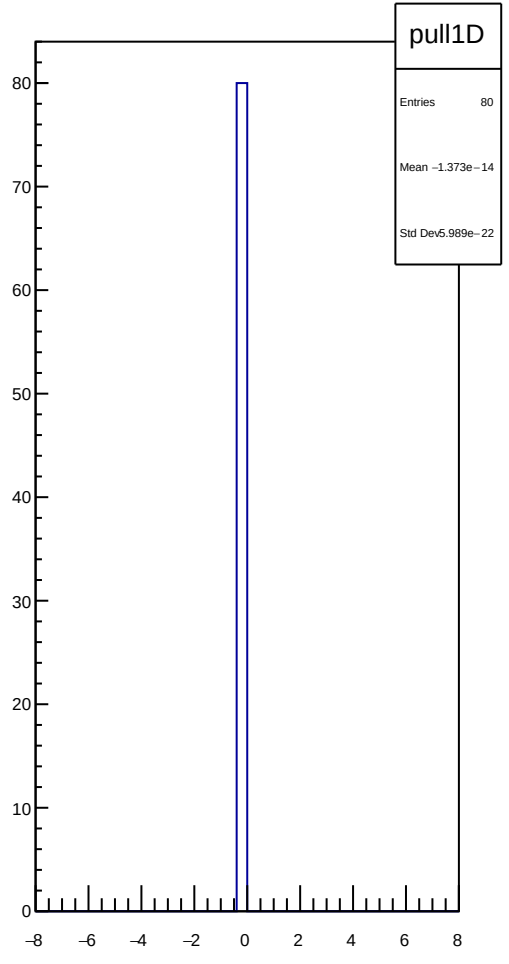

dit_atr2_4eX_slope vs run
χ² / ndf 1.405e−23 / 79
p0 942.5 ± 0.3336
946
945
944
943
942
941
940
939
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 80
Mean 4.191e−13
Std Dev2.443e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

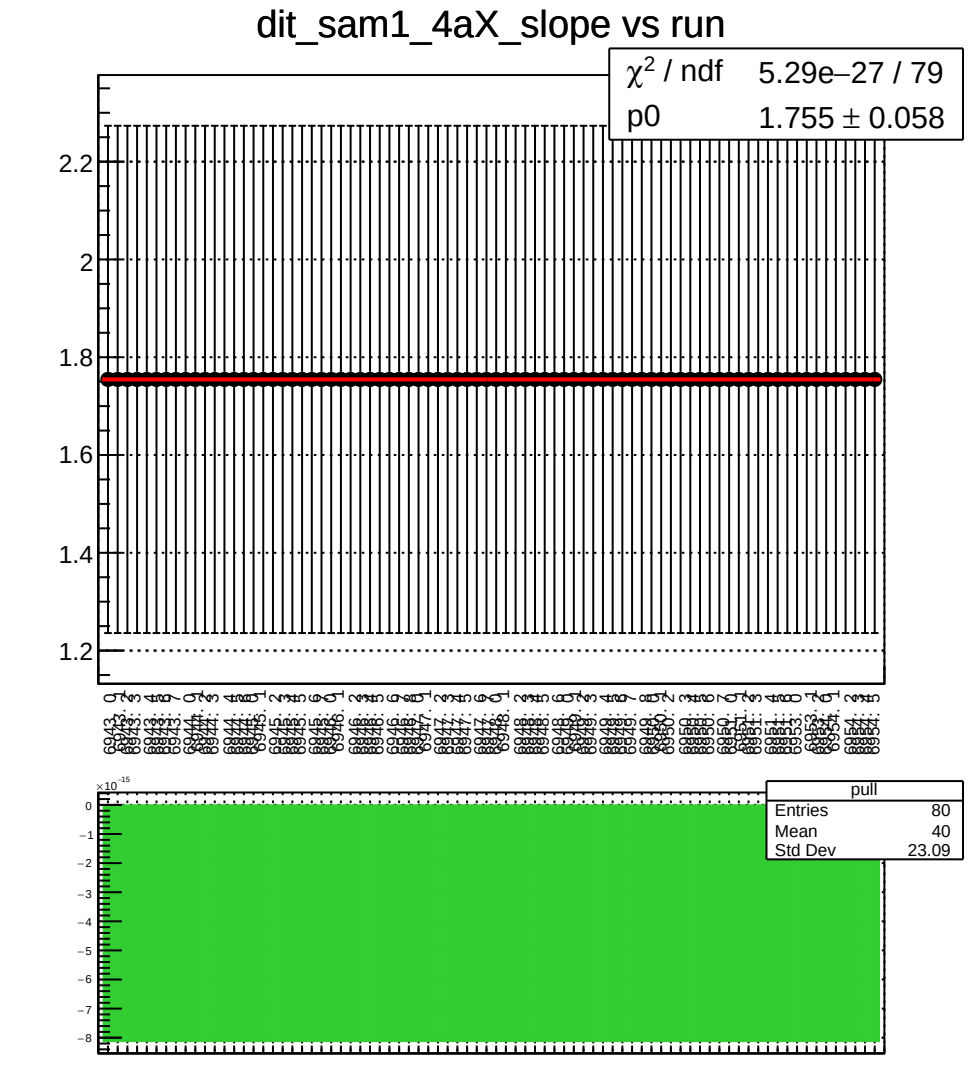

dit_atr2_11X12X_slope vs run
χ² / ndf 2.168e−23 / 79
p0 −259.2 ± 0.04884
−258.8
−259
−259.2
−259.4
−259.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5

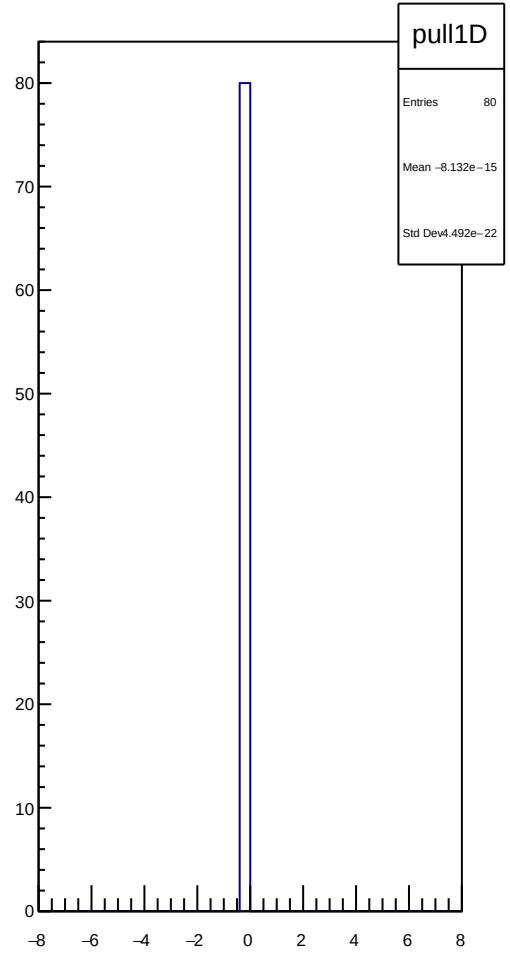

pull1D
Entries 80
Mean −5.205e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

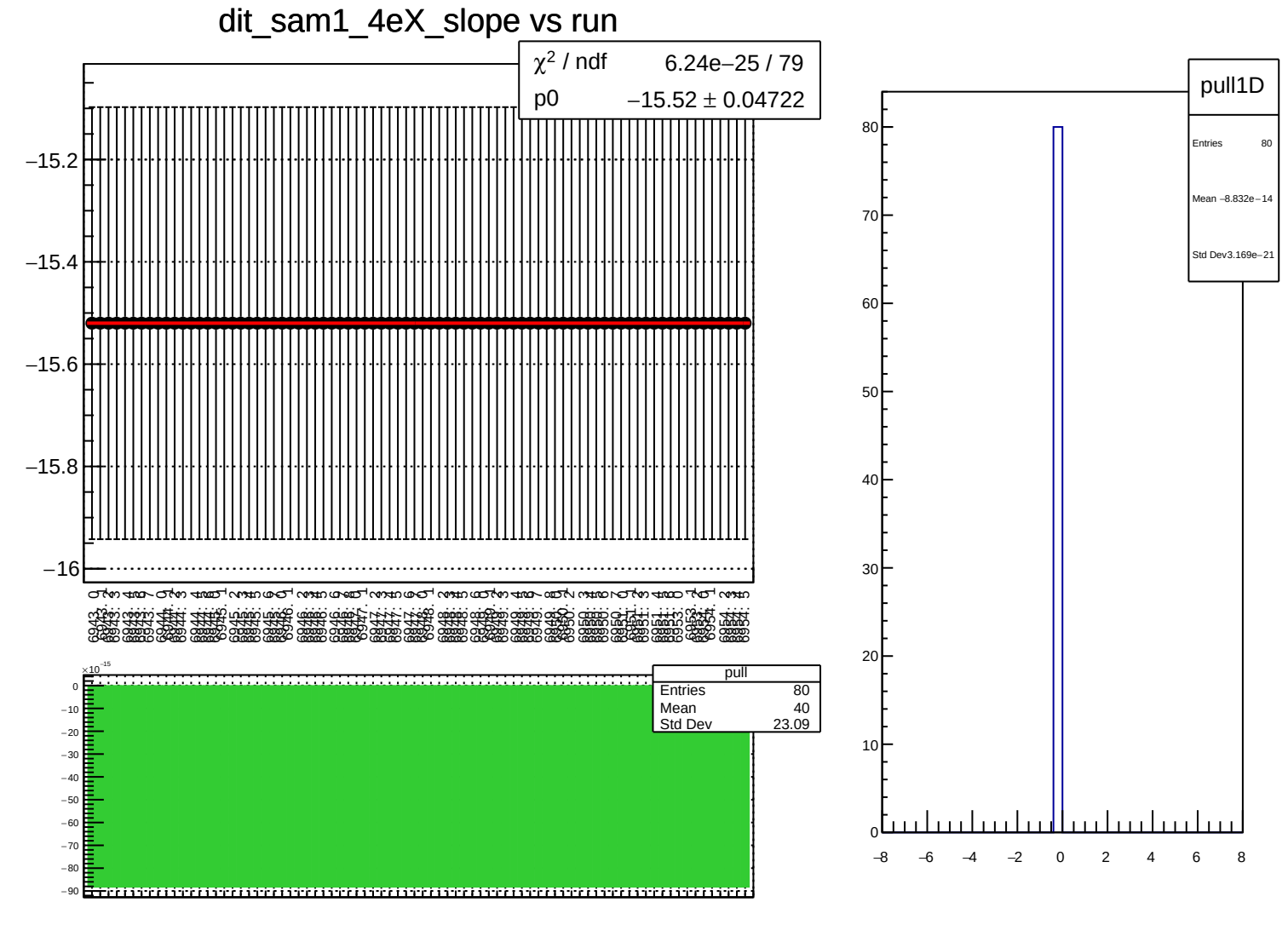

dit_atr2_4aY_slope vs run
χ² / ndf 4.72e−27 / 79
p0 16.01 ± 0.1034
17
16.5
16
15.5
15
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull1D
Entries 80
Mean −7.681e−15
Std Dev 4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

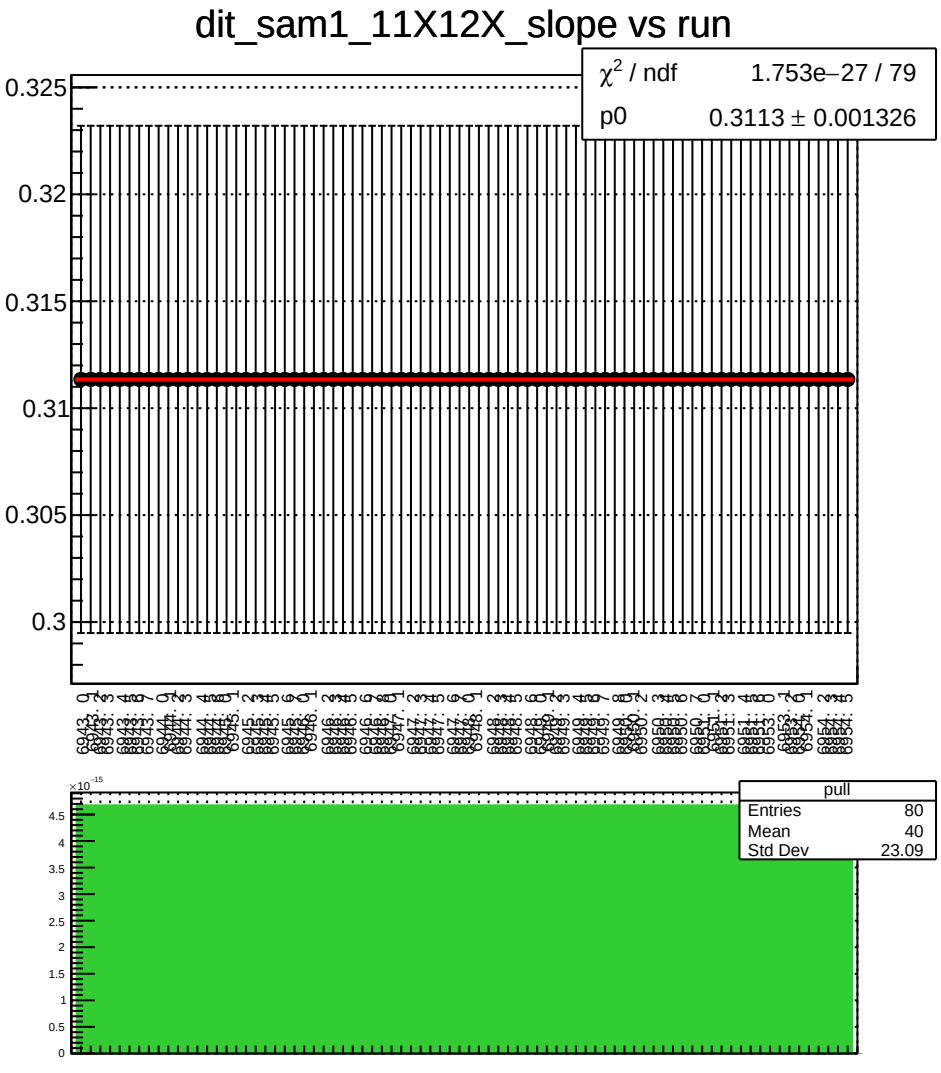

dit_atr2_4eY_slope vs run
χ² / ndf 1.507e−26 / 79
p0 109.5 ± 0.1158
110.5
110
109.5
109
108.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

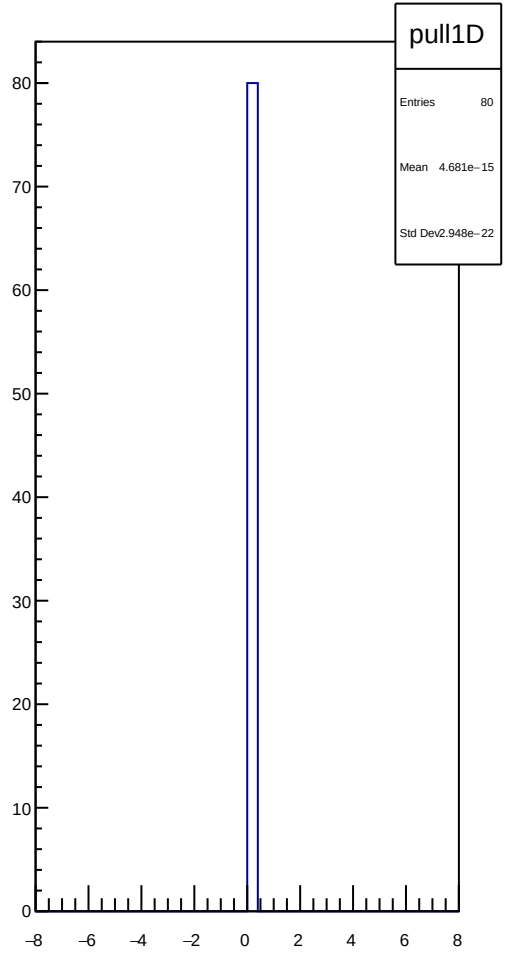

pull1D
Entries 80
Mean −1.373e−14
Std Dev5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

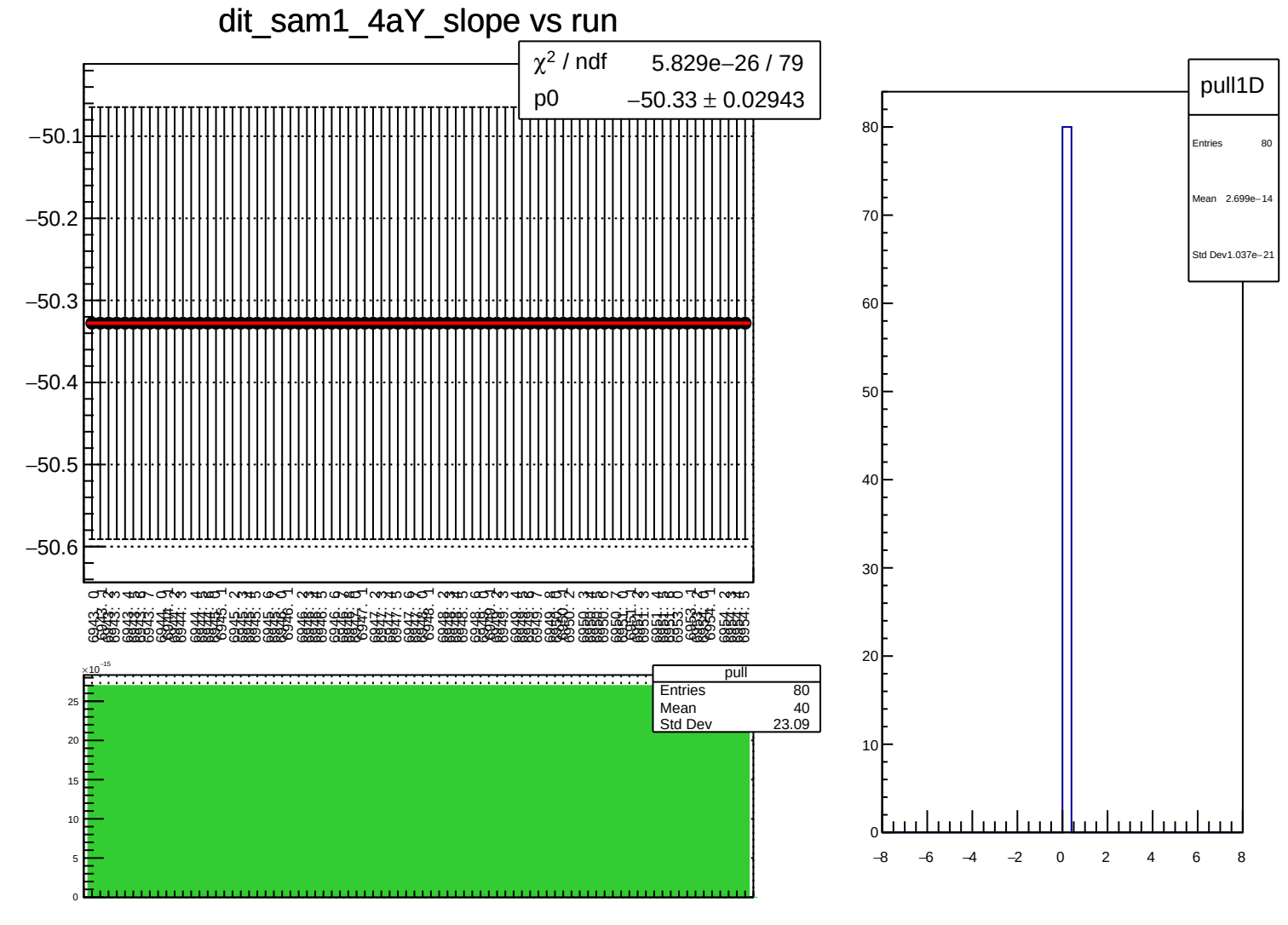

dit_sam1_4aX_slope vs run
χ² / ndf 5.29e−27 / 79
p0 1.755 ± 0.058
pull
Entries 80
Mean 40
Std Dev 23.09

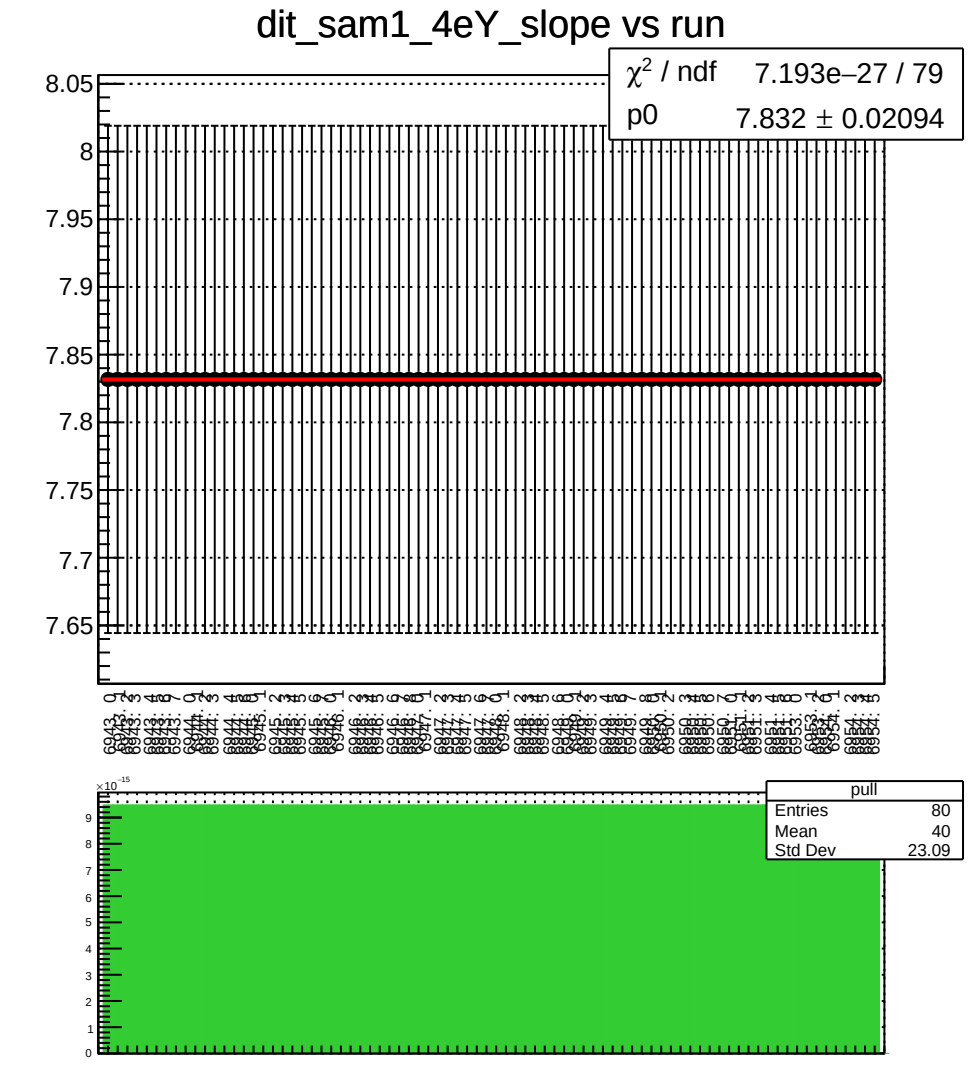

pull1D
Entries 80
Mean −8.132e−15
Std Dev4.492e−22

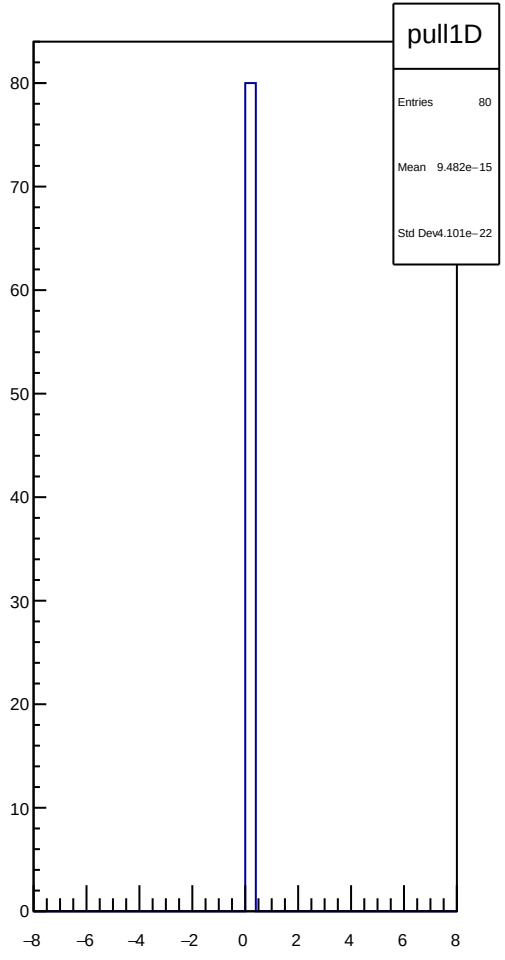

dit_sam1_4eX_slope vs run
χ² / ndf 6.24e−25 / 79
p0 −15.52 ± 0.04722
−15.2
−15.4
−15.6
−15.8
−16
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −8.832e−14
Std Dev3.169e−21

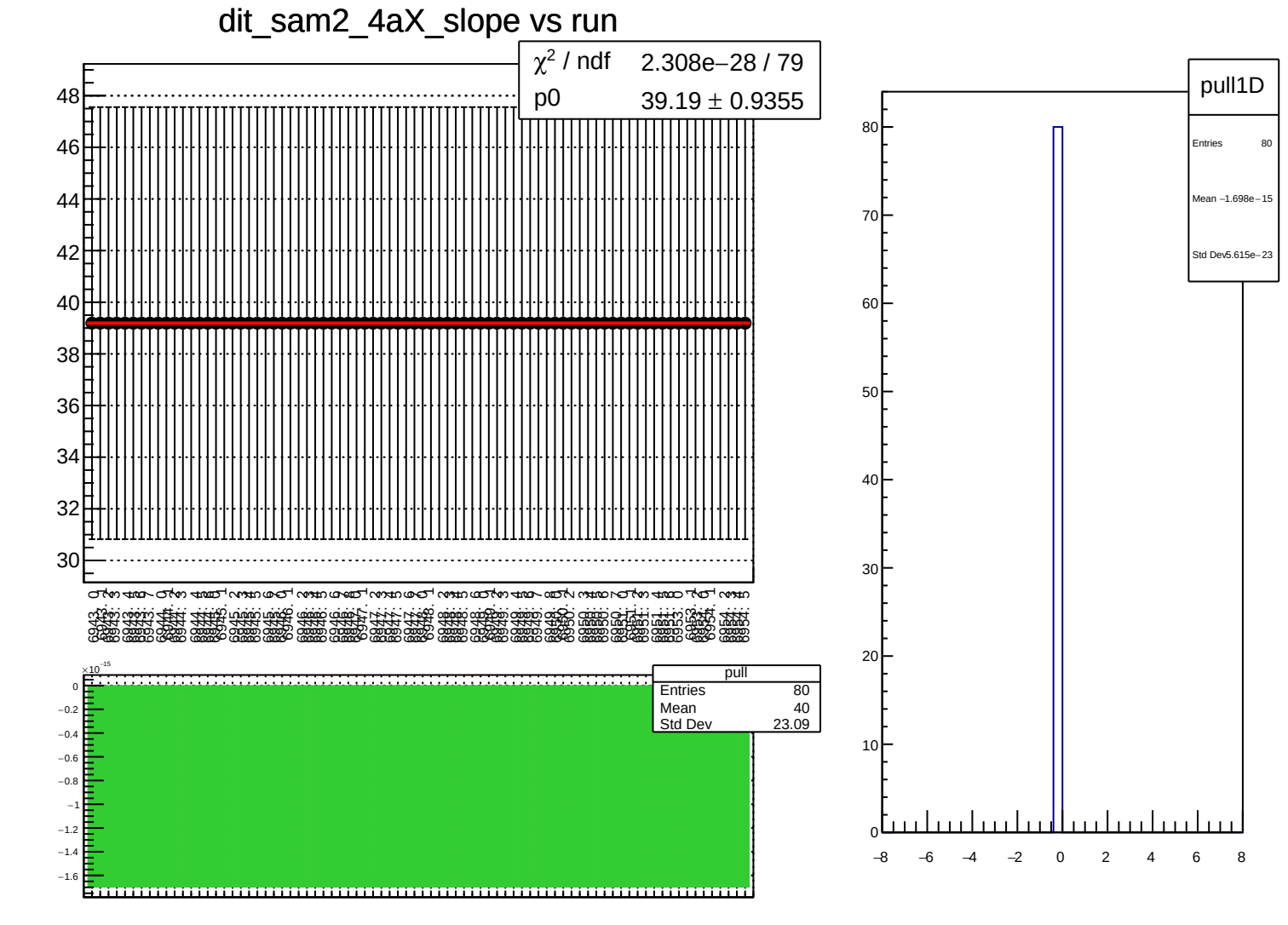

dit_sam1_11X12X_slope vs run
χ² / ndf 1.753e−27 / 79
p0 0.3113 ± 0.001326
0.325
0.32
0.315
0.31
0.305
0.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

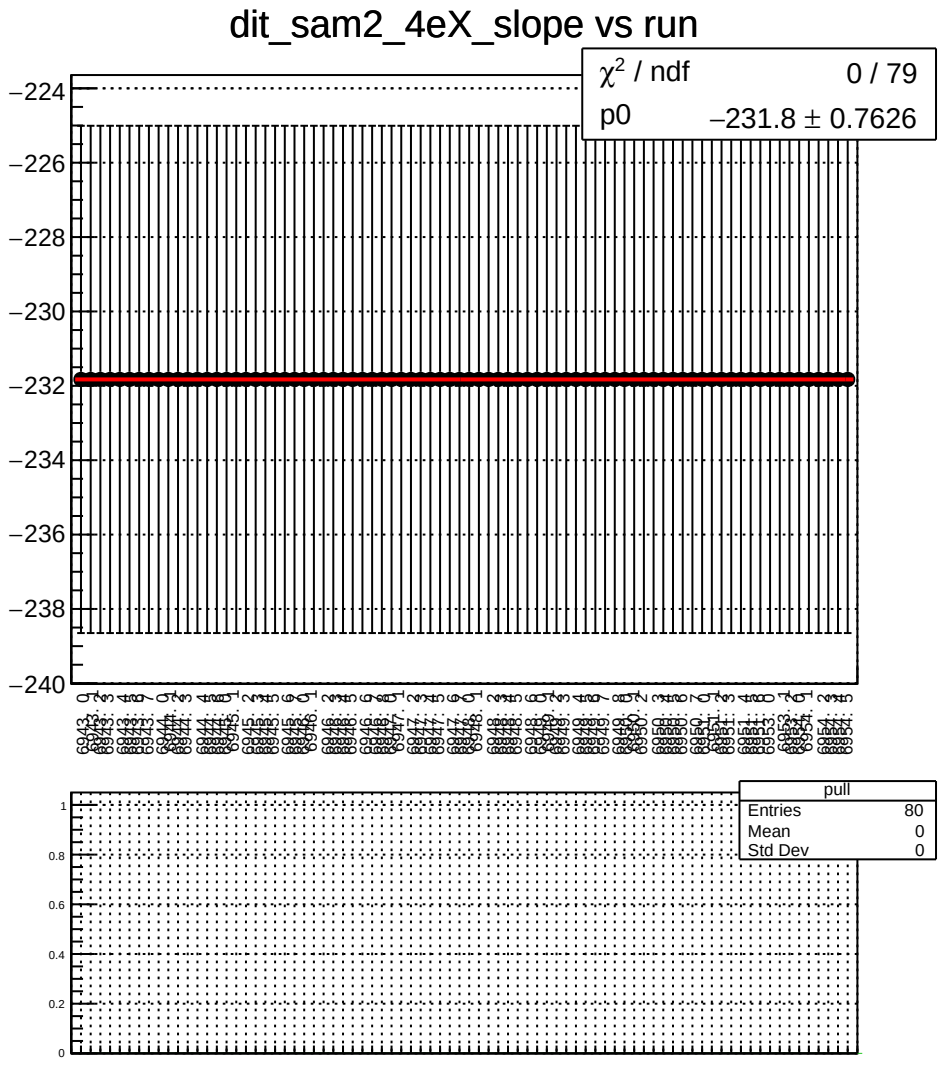

pull1D
Entries 80
Mean 4.681e−15
Std Dev 2.948e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

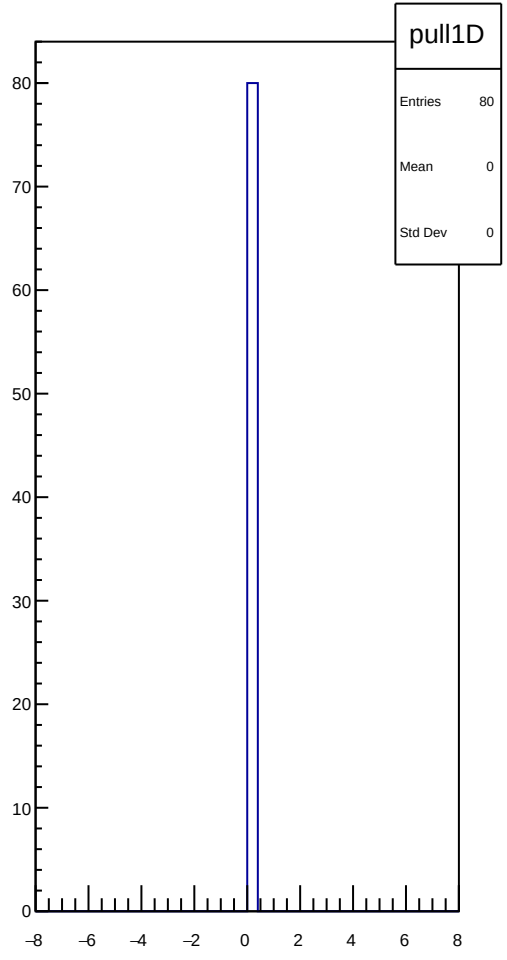

dit_sam1_4aY_slope vs run
χ² / ndf 5.829e−26 / 79
p0 −50.33 ± 0.02943
−50.1
−50.2
−50.3
−50.4
−50.5
−50.6
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.699e−14
Std Dev1.037e−21

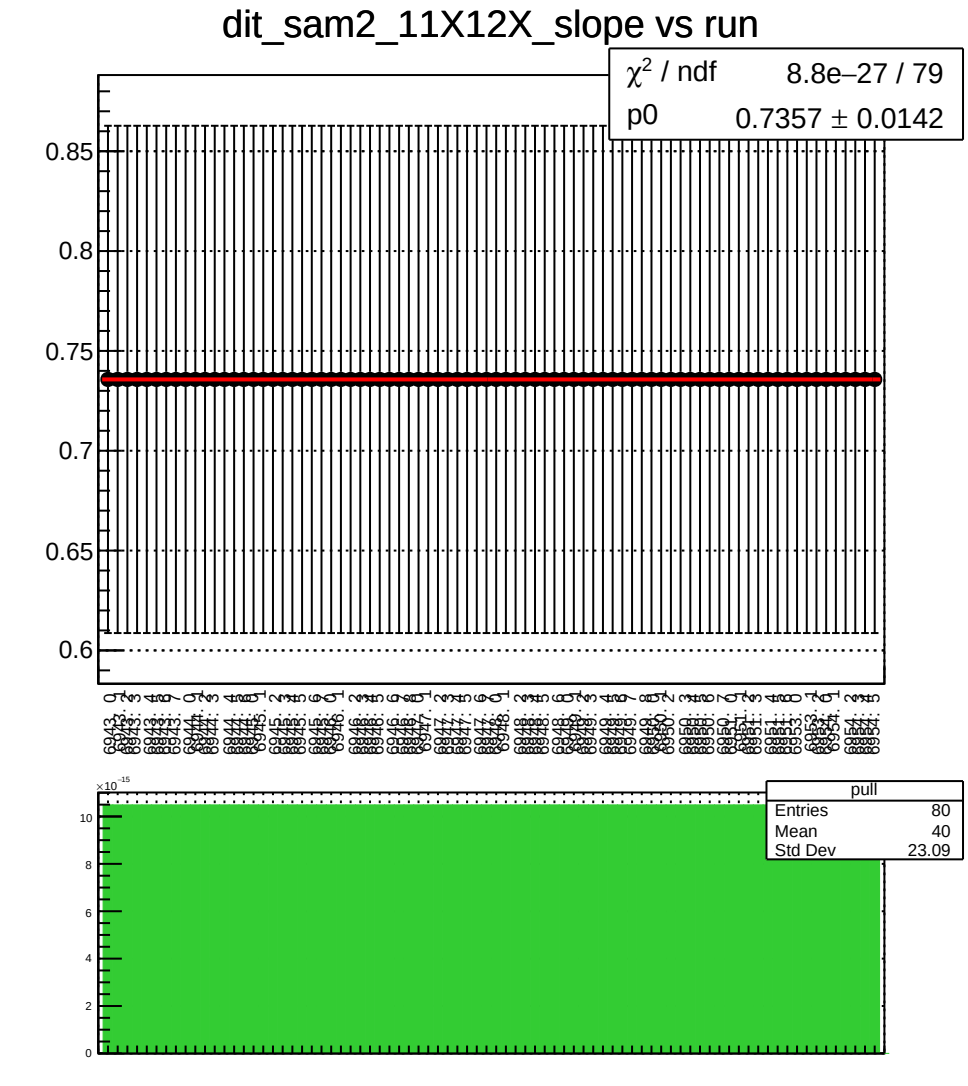

dit_sam1_4eY_slope vs run
χ² / ndf 7.193e−27 / 79
p0 7.832 ± 0.02094
pull
Entries 80
Mean 40
Std Dev 23.09

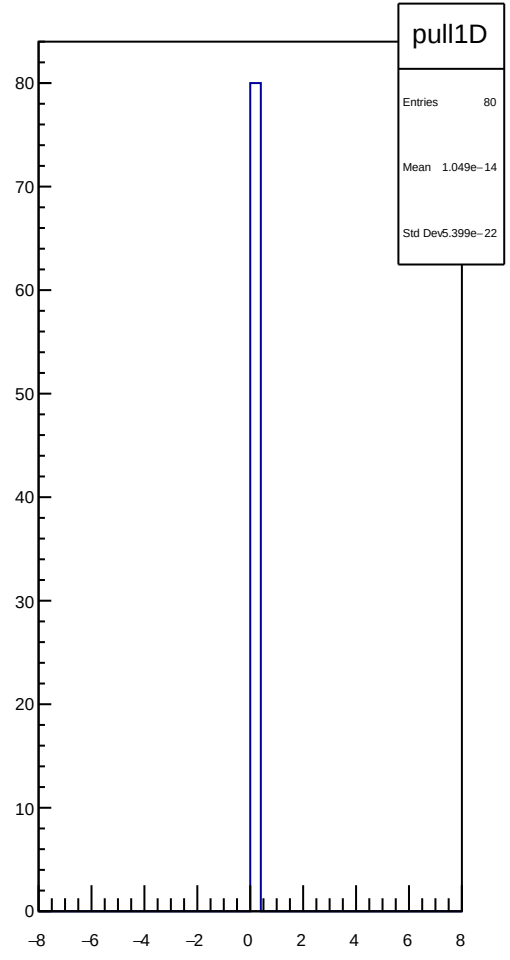

pull1D
Entries 80
Mean 9.482e−15
Std Dev4.101e−22

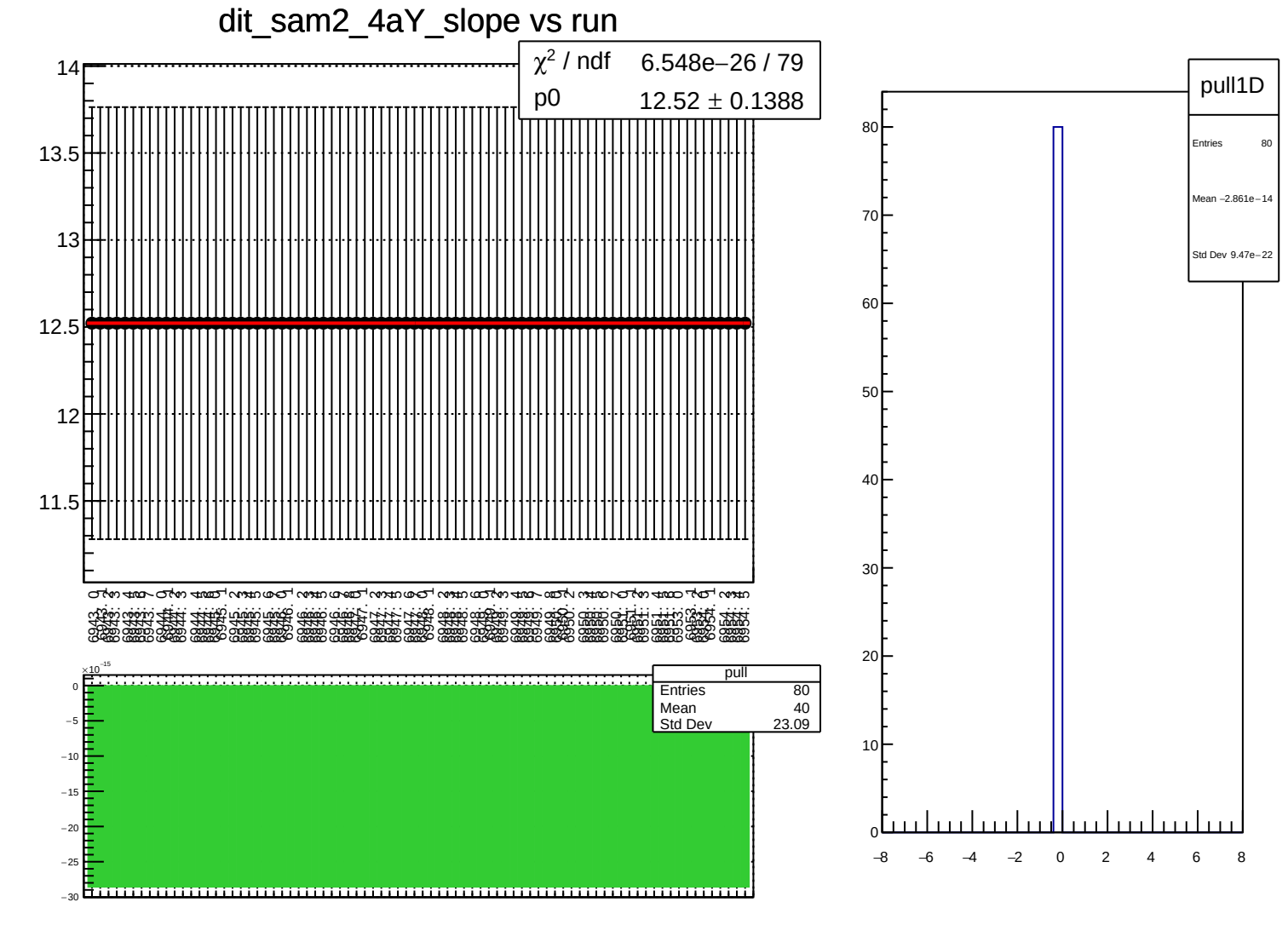

dit_sam2_4aX_slope vs run
χ^2 / ndf 2.308e−28 / 79
p0 39.19 ± 0.9355
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.698e−15
Std Dev5.615e−23

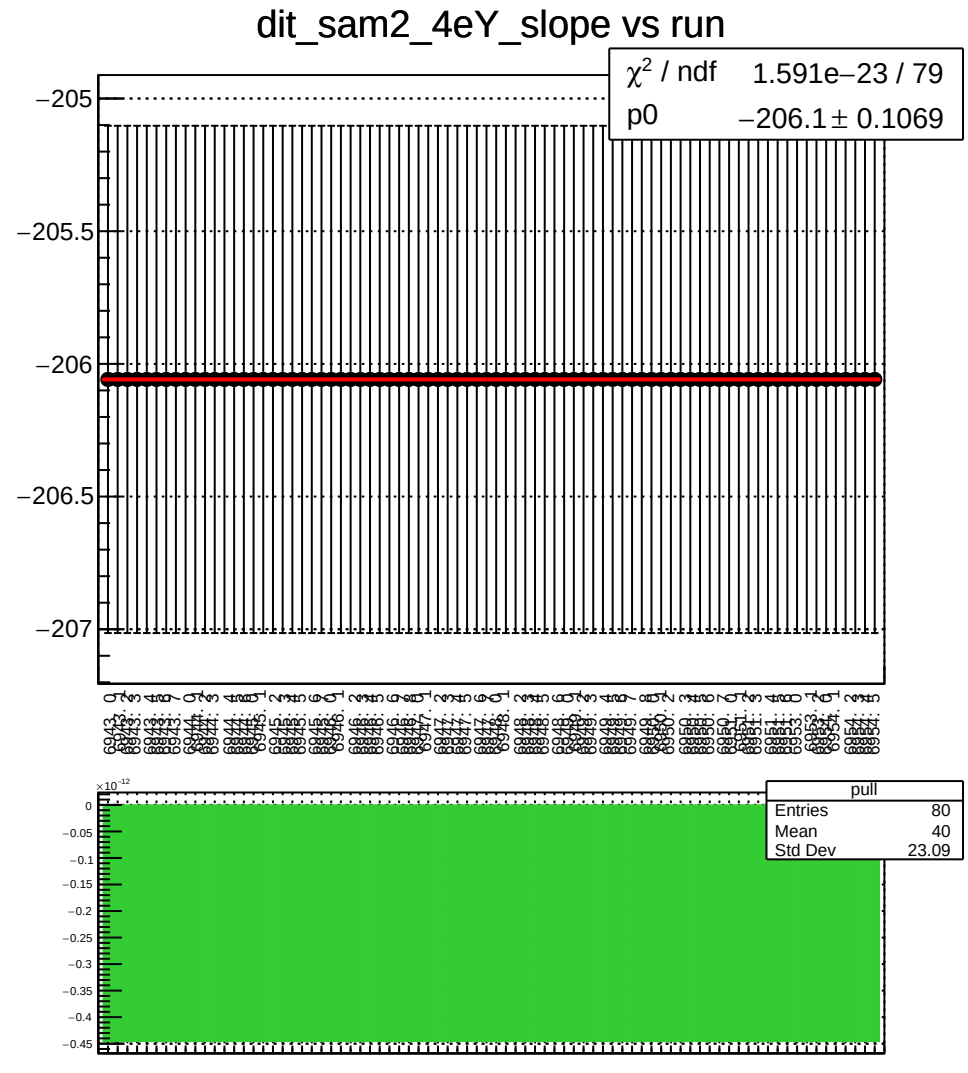

dit_sam2_4eX_slope vs run
χ^2 / ndf 0 / 79
p0 −231.8 ± 0.7626
−224
−226
−228
−230
−232
−234
−236
−238
−240
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

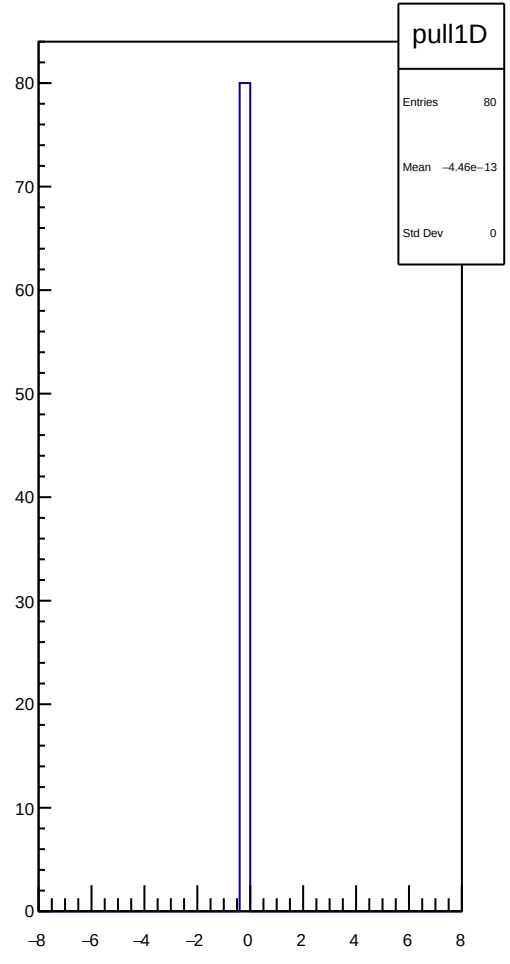

pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

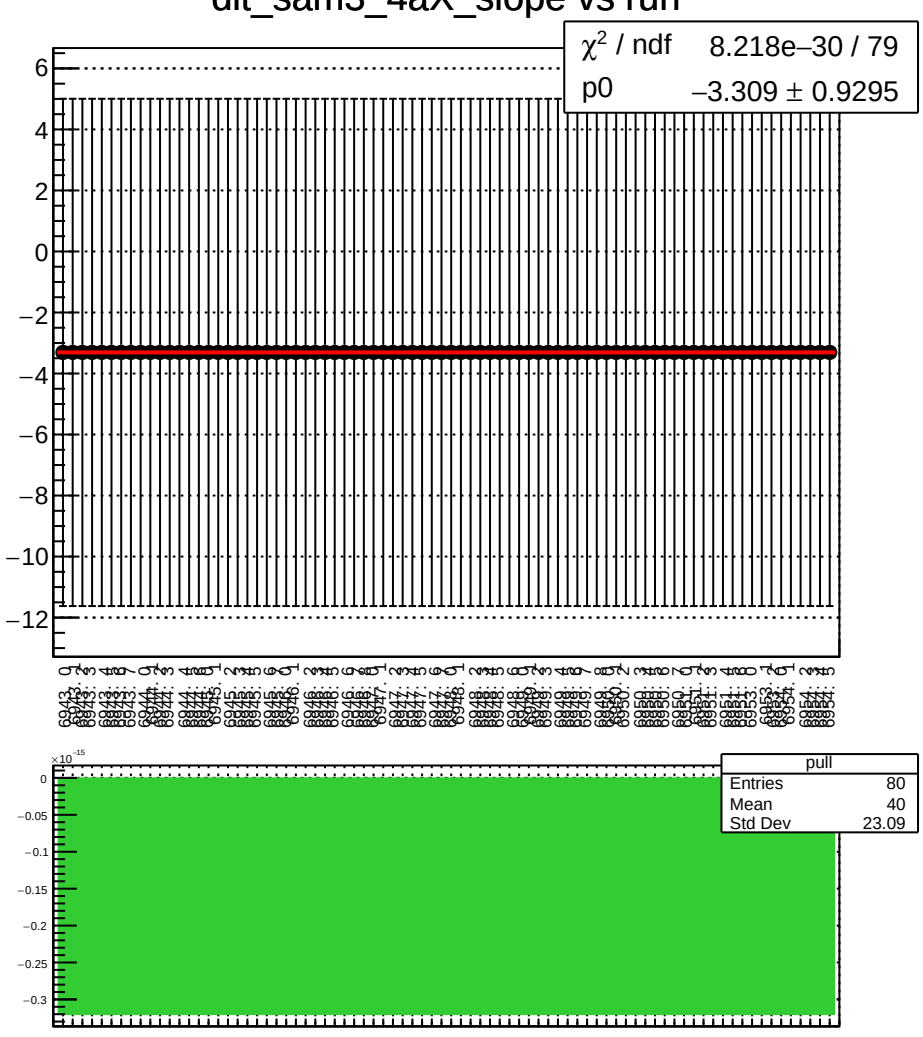

dit_sam2_11X12X_slope vs run
χ² / ndf 8.8e−27 / 79
p0 0.7357 ± 0.0142
0.85
0.8
0.75
0.7
0.65
0.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
10
8
6
4
2
0

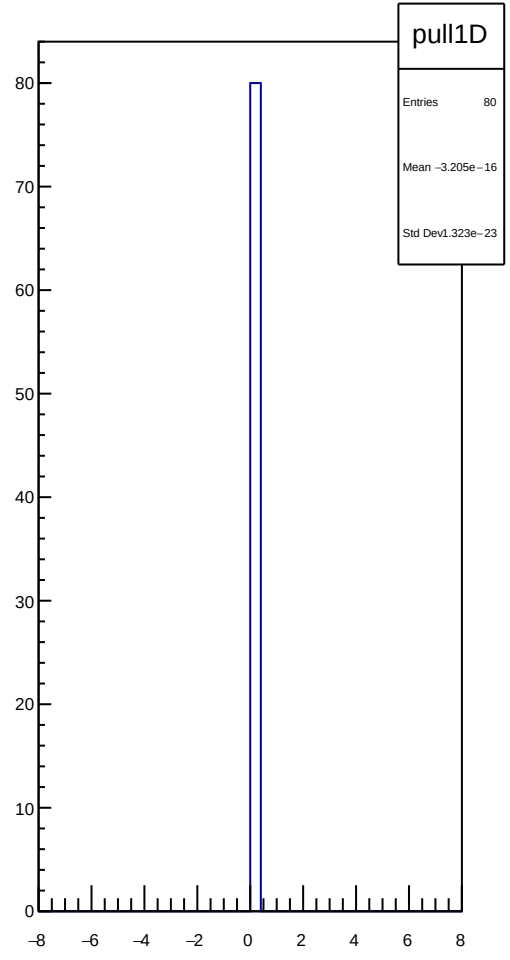

pull1D
Entries 80
Mean 1.049e−14
Std Dev 5.399e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

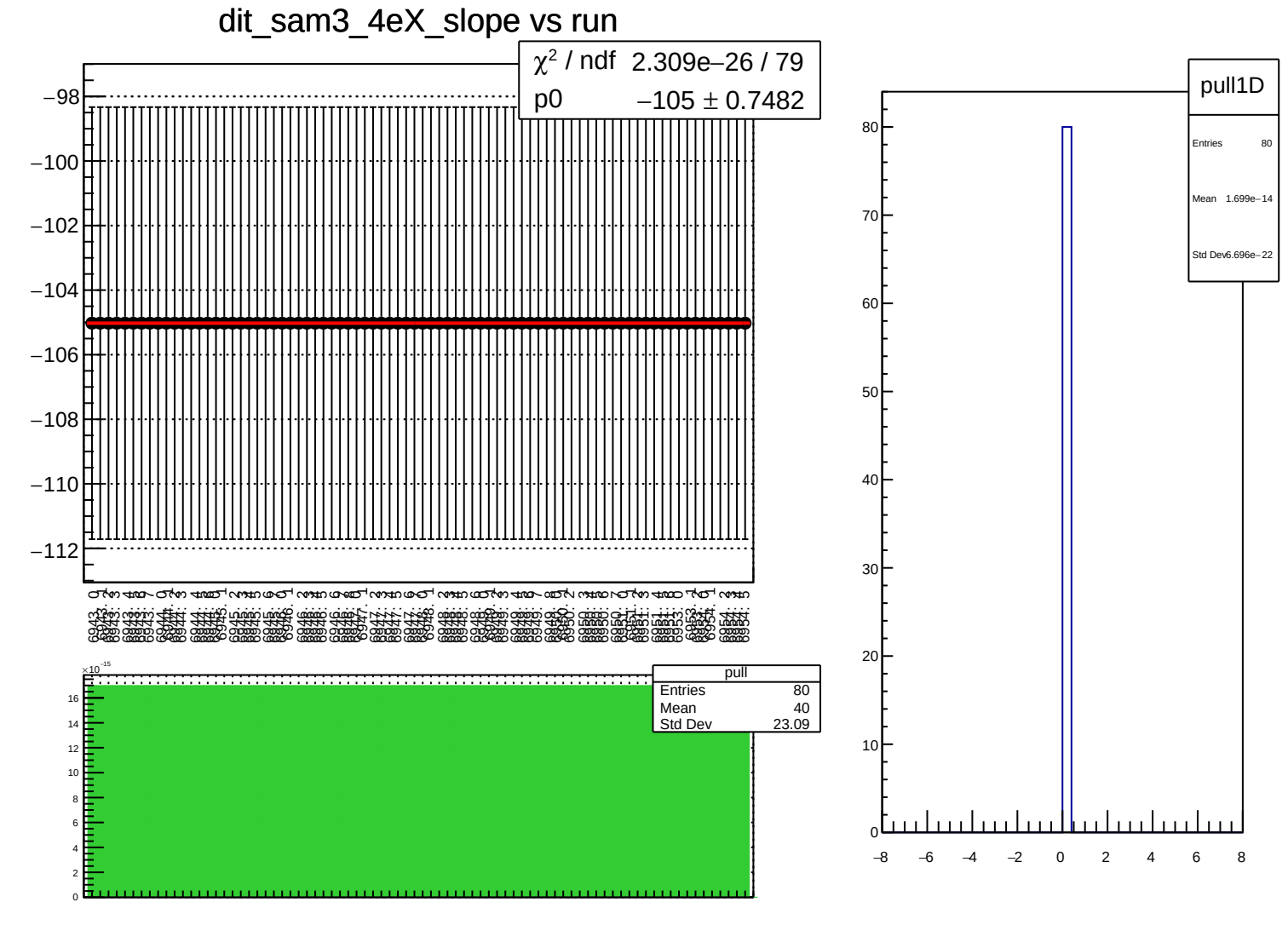

dit_sam2_4aY_slope vs run
χ² / ndf 6.548e−26 / 79
p0 12.52 ± 0.1388
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.861e−14
Std Dev 9.47e−22

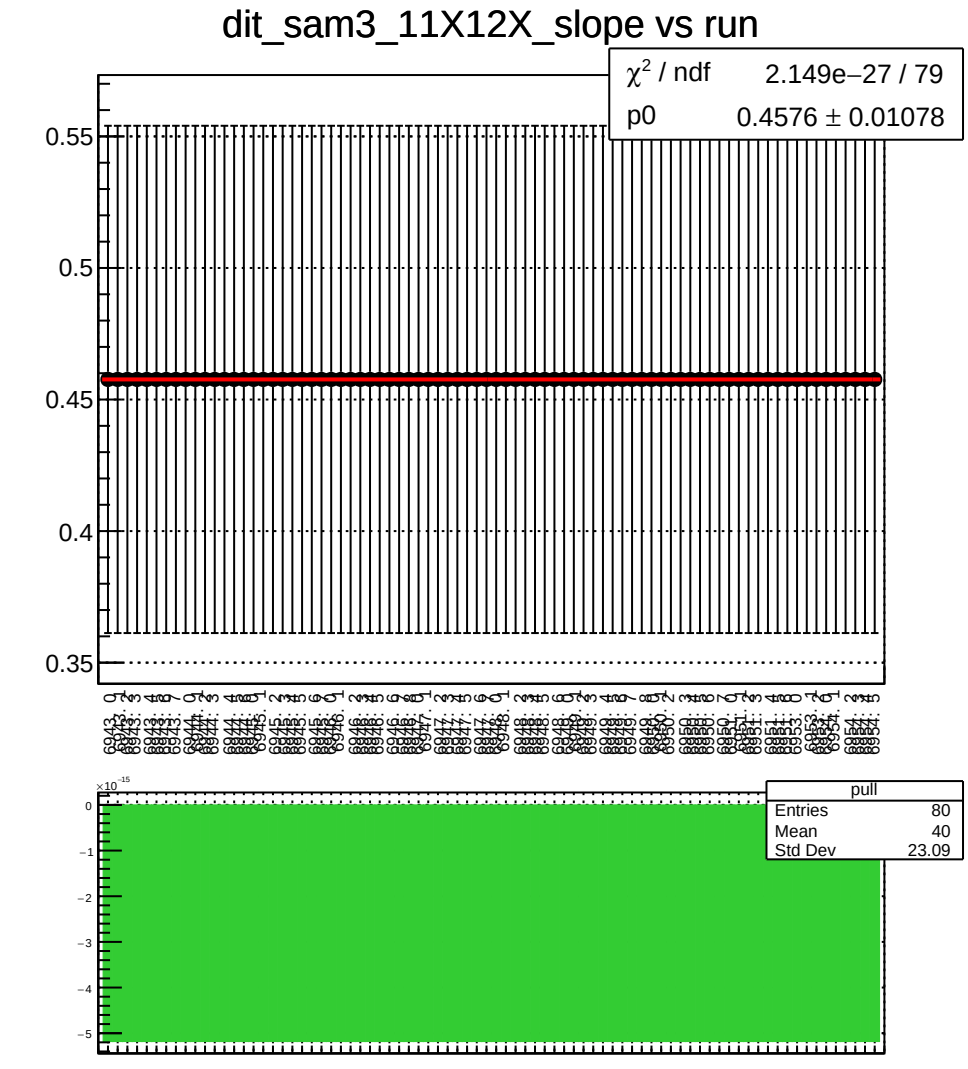

dit_sam2_4eY_slope vs run
χ² / ndf 1.591e−23 / 79
p0 −206.1 ± 0.1069
−205
−205.5
−206
−206.5
−207
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45

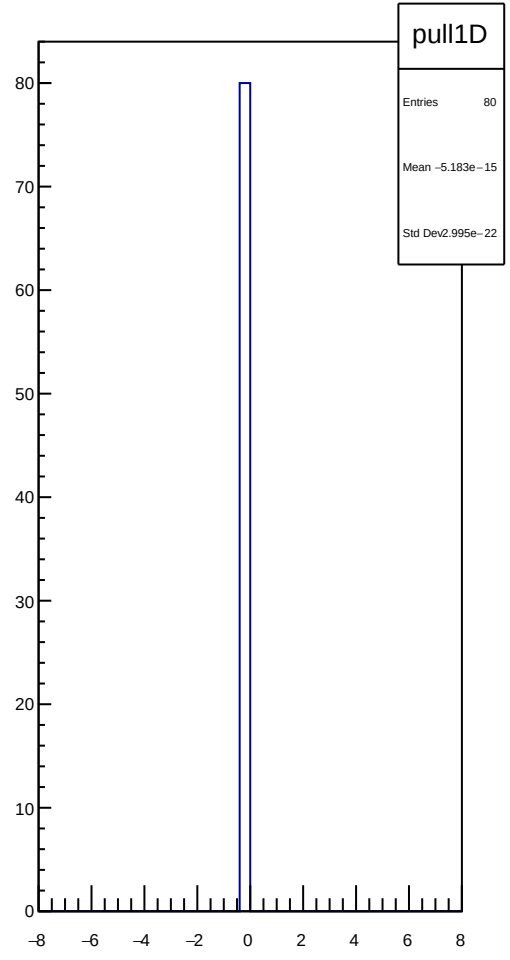

pull1D
Entries 80
Mean −4.46e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

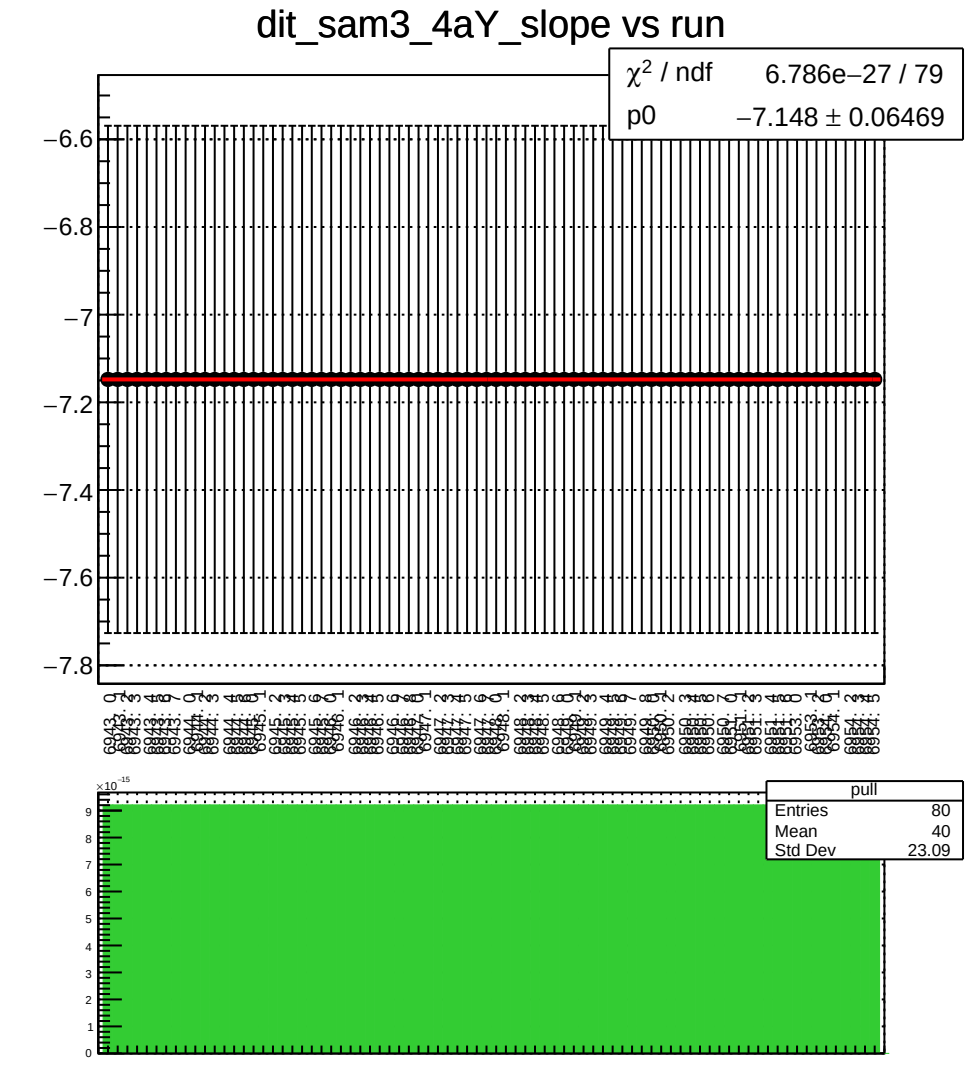

dit_sam3_4aX_slope vs run
χ² / ndf 8.218e−30 / 79
p0 −3.309 ± 0.9295
pull
Entries 80
Mean 40
Std Dev 23.09

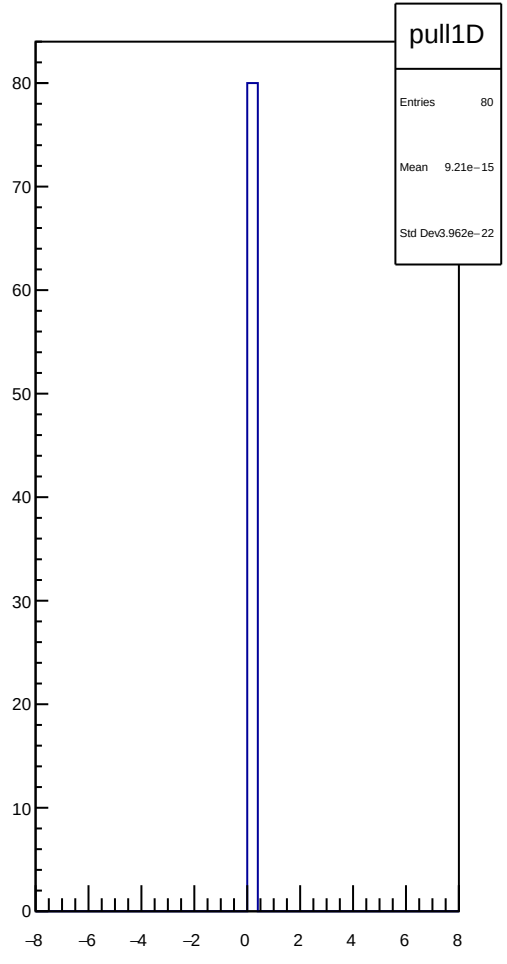

pull1D
Entries 80
Mean −3.205e−16
Std Dev1.323e−23

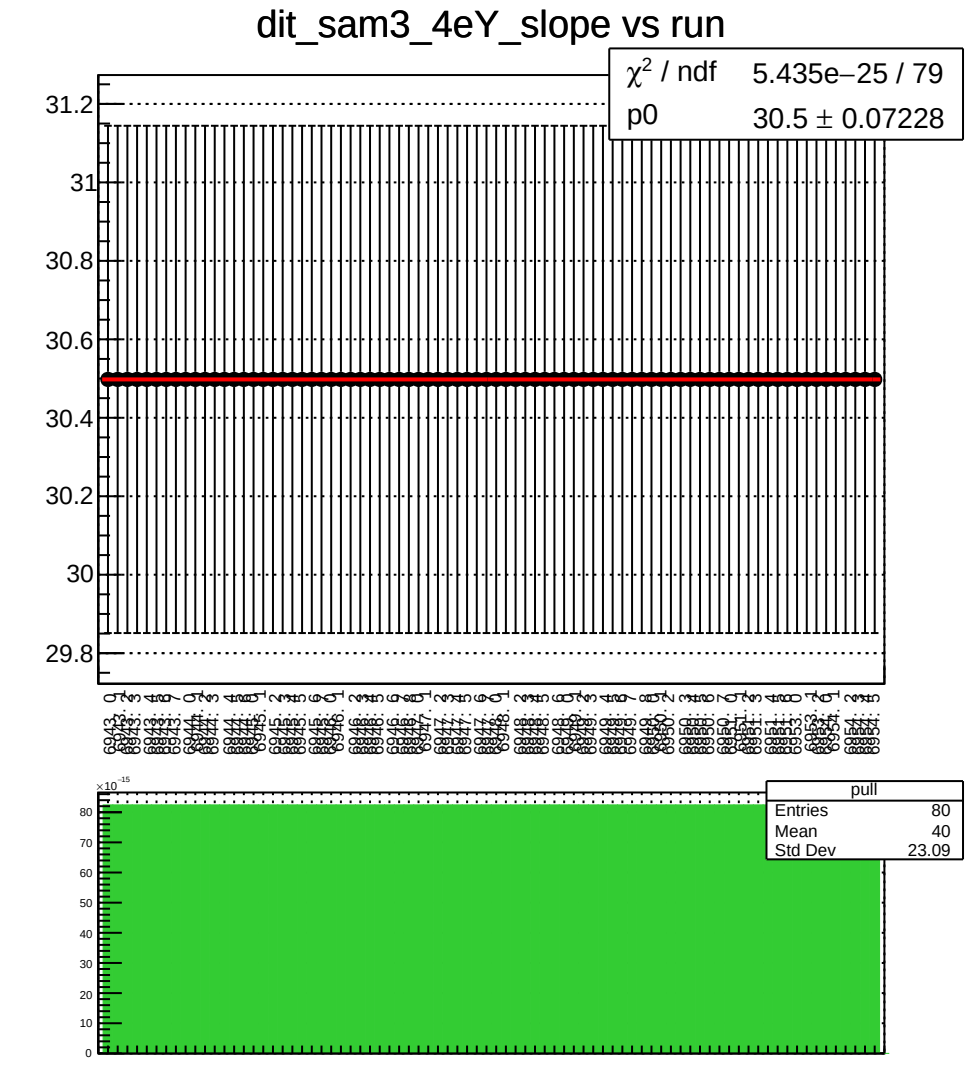

dit_sam3_4eX_slope vs run
χ² / ndf 2.309e−26 / 79
p0 −105 ± 0.7482
−98
−100
−102
−104
−106
−108
−110
−112
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.699e−14
Std Dev 6.696e−22

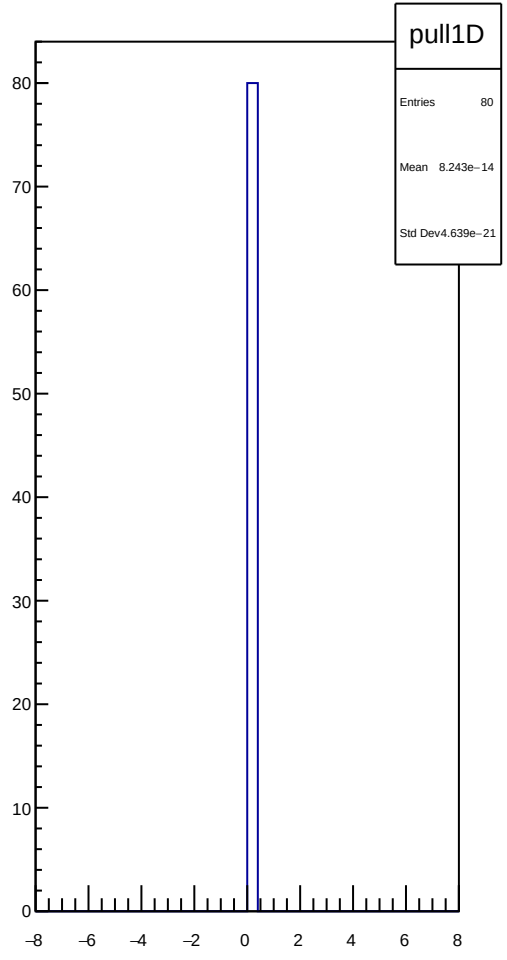

dit_sam3_11X12X_slope vs run
χ² / ndf 2.149e−27 / 79
p0 0.4576 ± 0.01078
0.55
0.5
0.45
0.4
0.35
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5

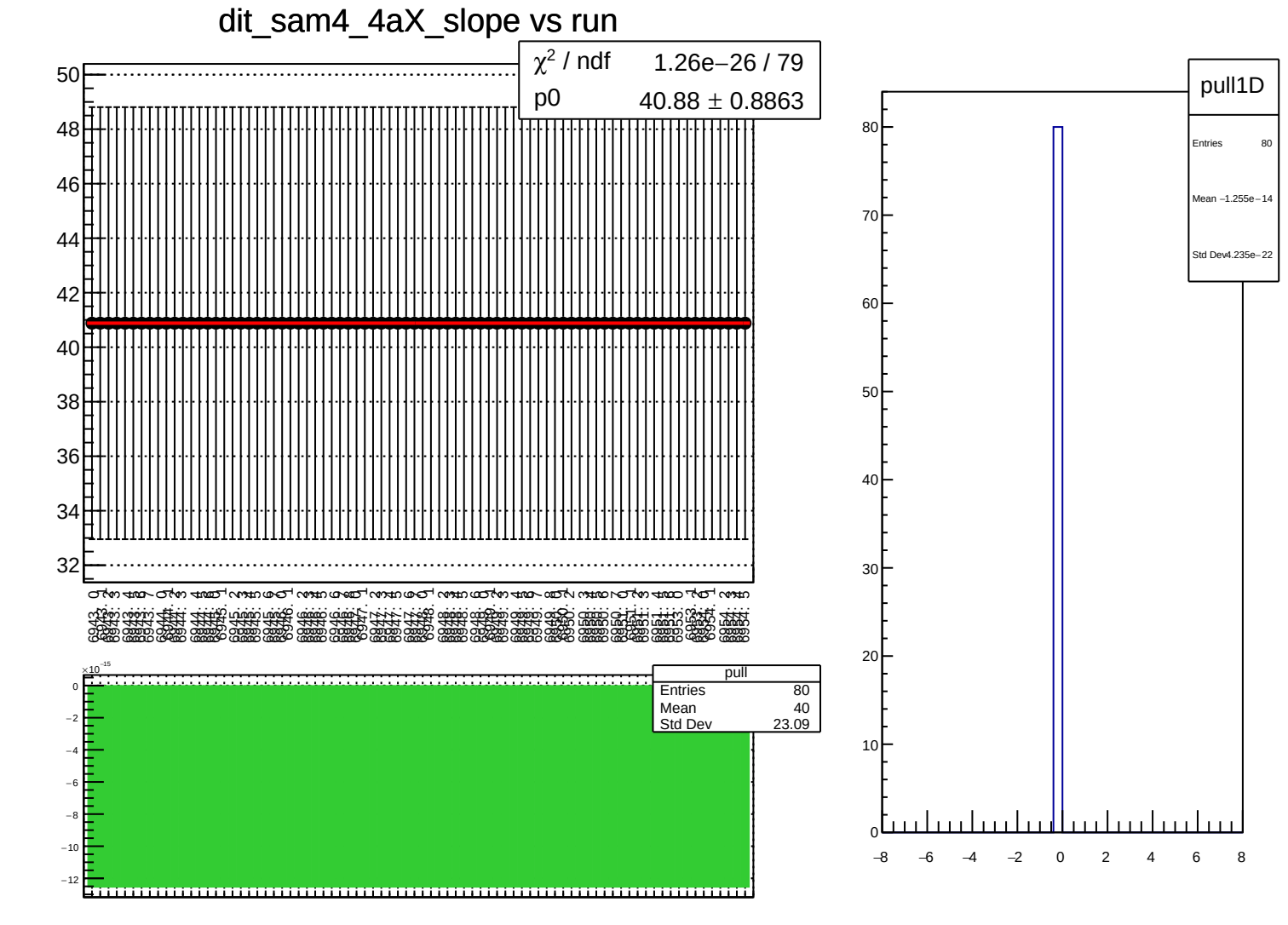

pull1D
Entries 80
Mean −5.183e−15
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

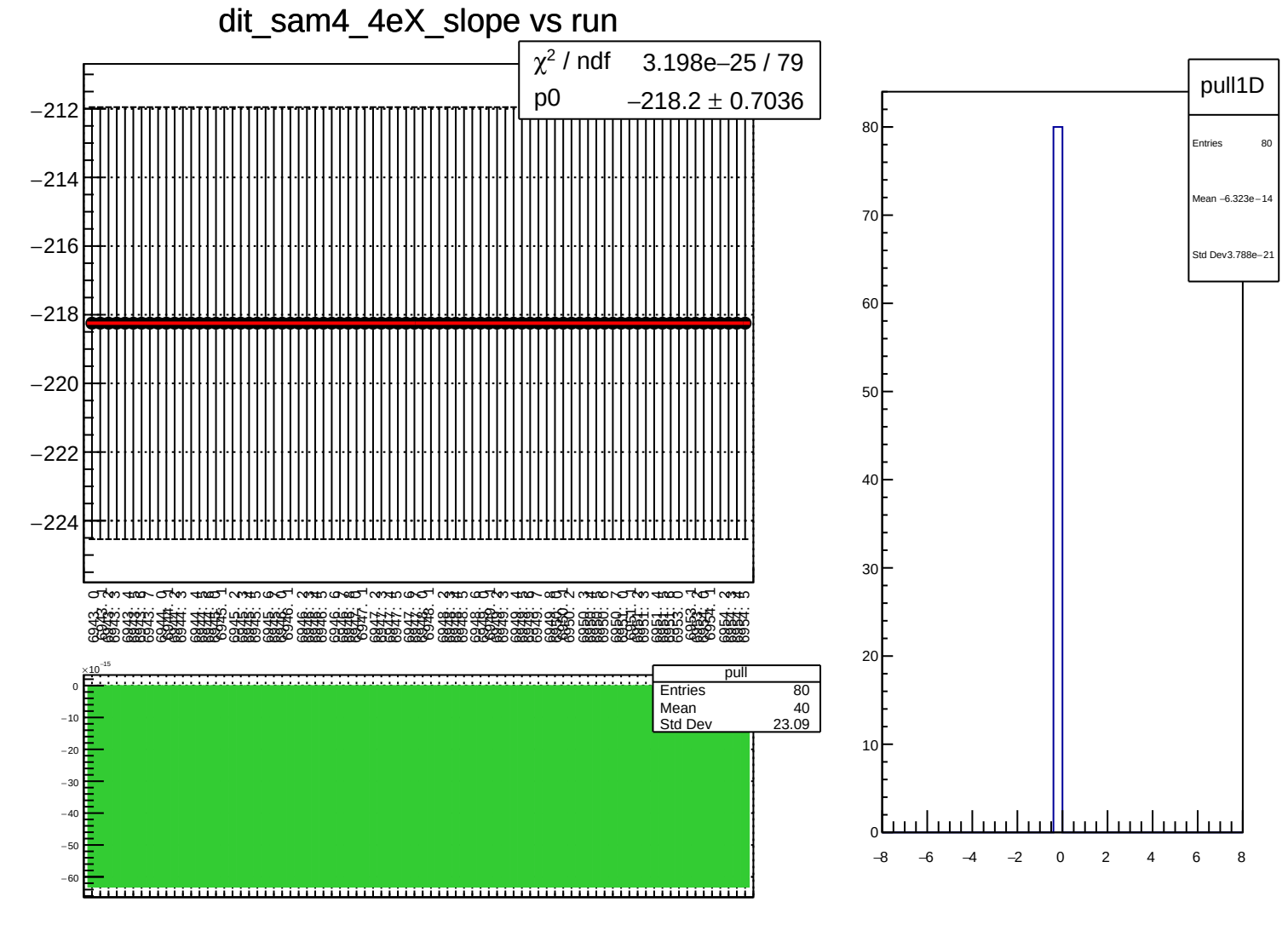

dit_sam3_4aY_slope vs run
χ² / ndf 6.786e−27 / 79
p0 −7.148 ± 0.06469
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0

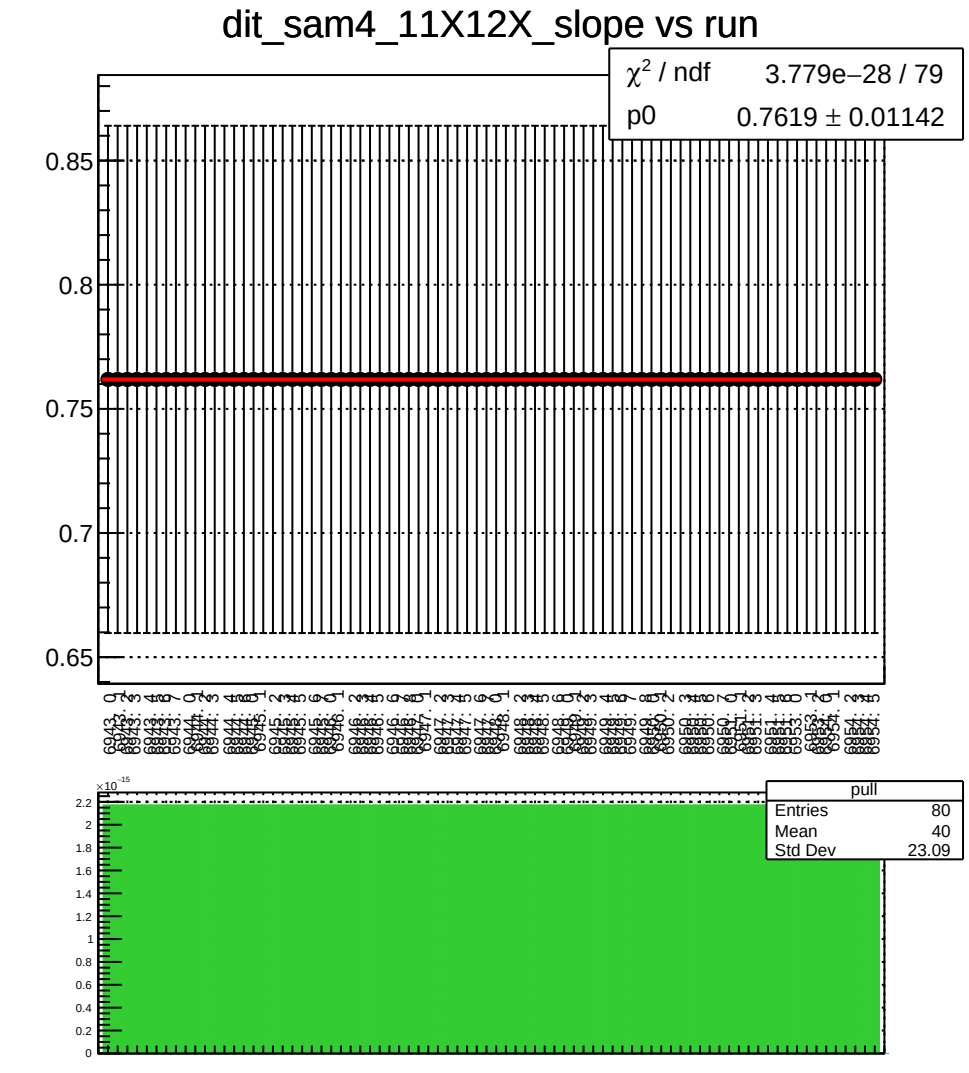

pull1D
Entries 80
Mean 9.21e−15
Std Dev 3.962e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

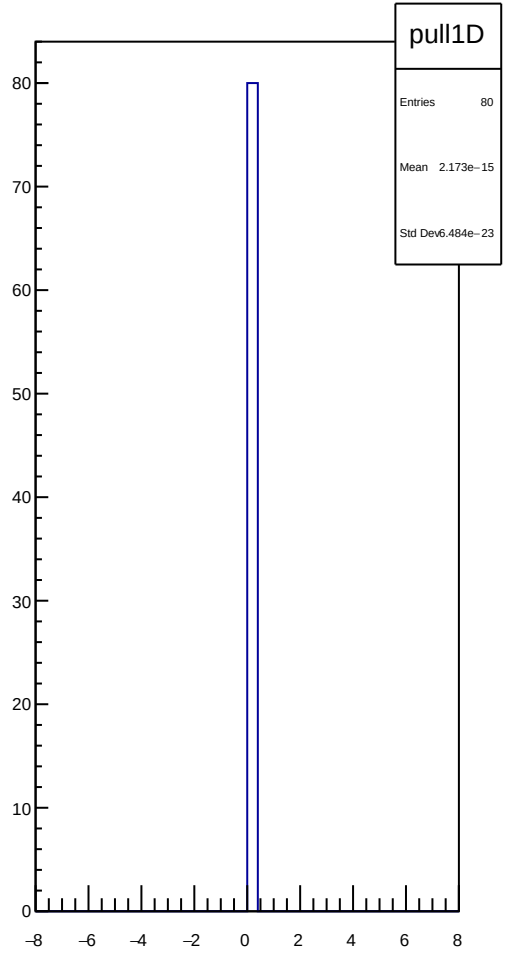

dit_sam3_4eY_slope vs run
χ² / ndf 5.435e−25 / 79
p0 30.5 ± 0.07228
31.2
31
30.8
30.6
30.4
30.2
30
29.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

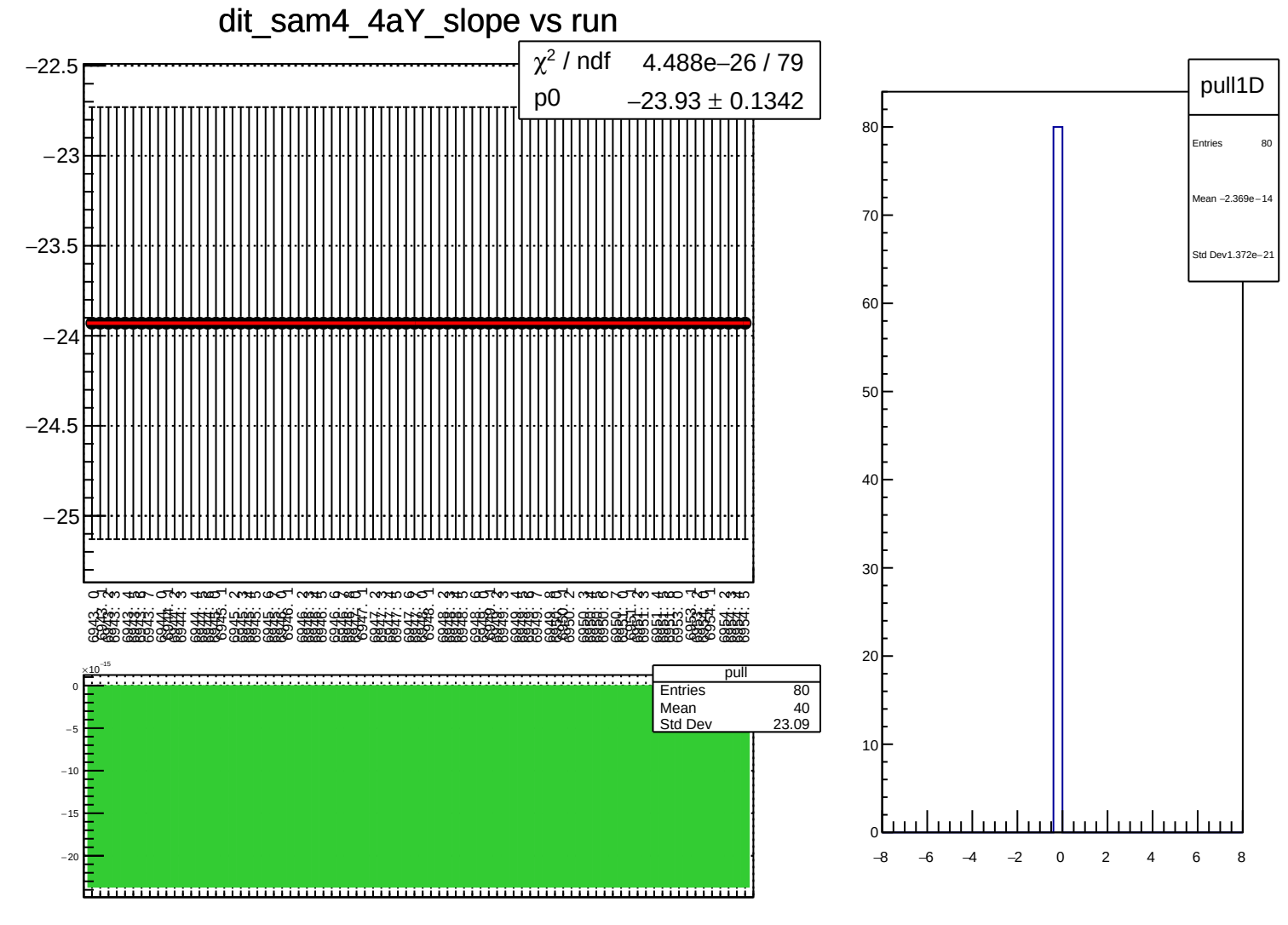

pull1D
Entries 80
Mean 8.243e−14
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

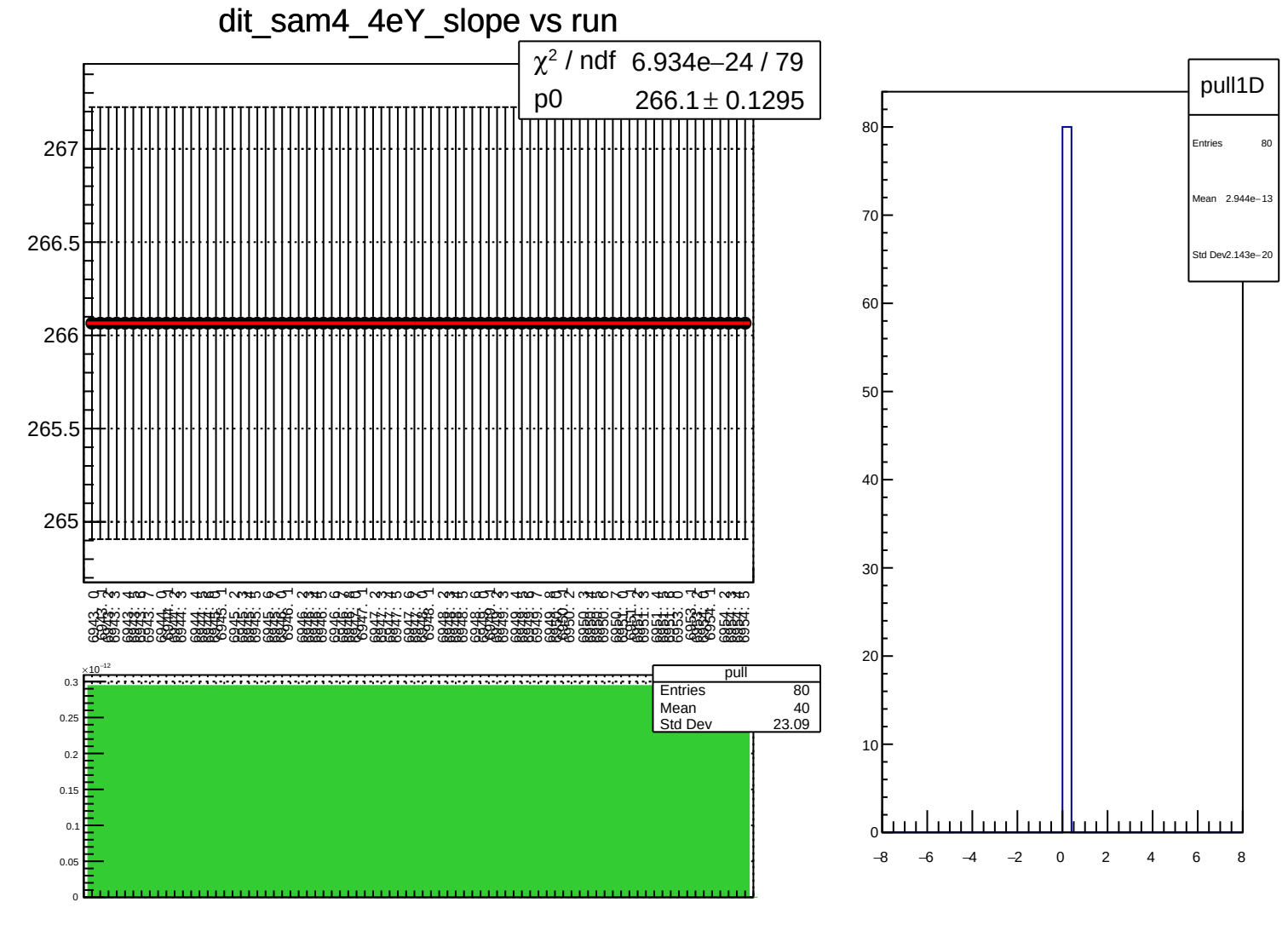

dit_sam4_4aX_slope vs run
χ² / ndf 1.26e−26 / 79
p0 40.88 ± 0.8863
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.255e−14
Std Dev4.235e−22

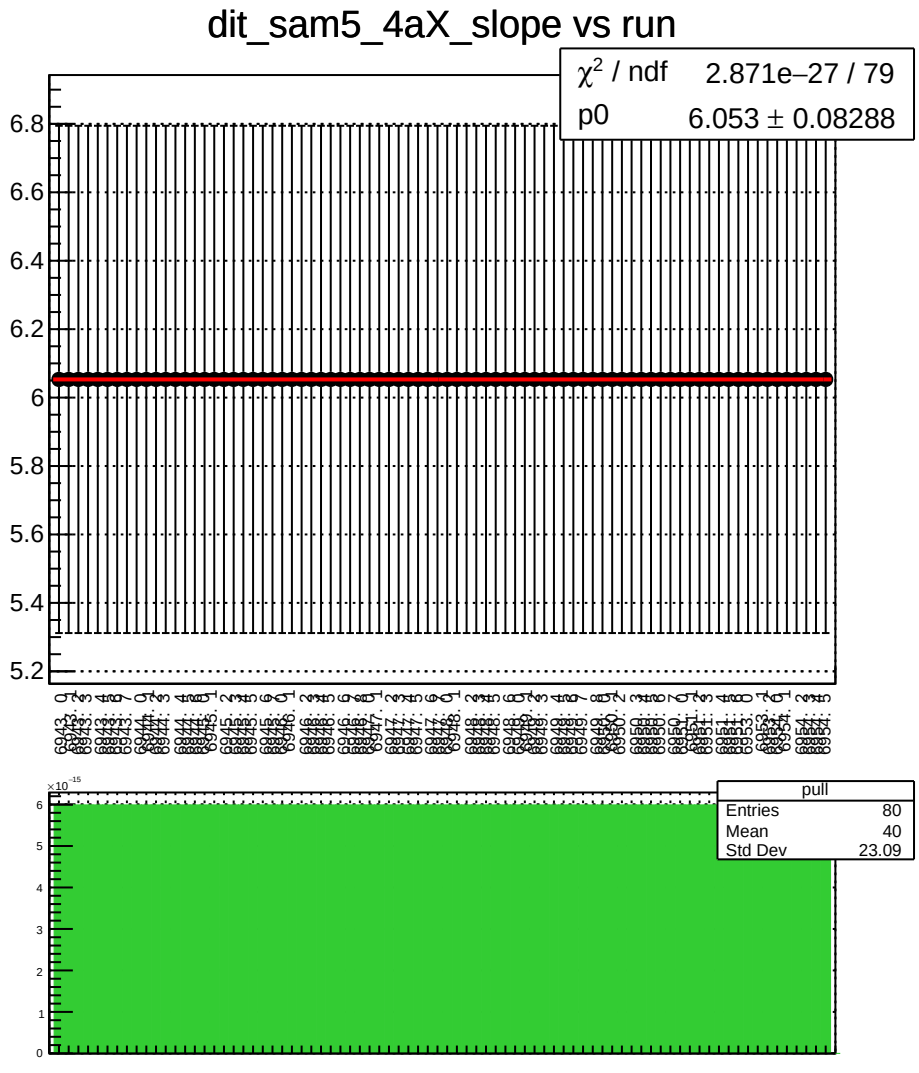

dit_sam4_4eX_slope vs run
χ² / ndf 3.198e−25 / 79
p0 −218.2 ± 0.7036
−212
−214
−216
−218
−220
−222
−224
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 80
Mean −6.323e−14
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

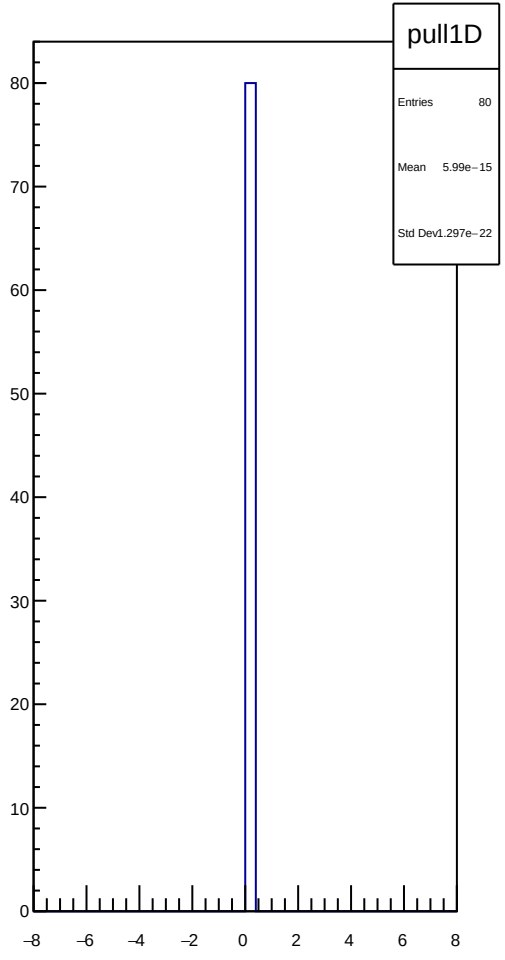

dit_sam4_11X12X_slope vs run
χ² / ndf 3.779e−28 / 79
p0 0.7619 ± 0.01142
0.85
0.8
0.75
0.7
0.65
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

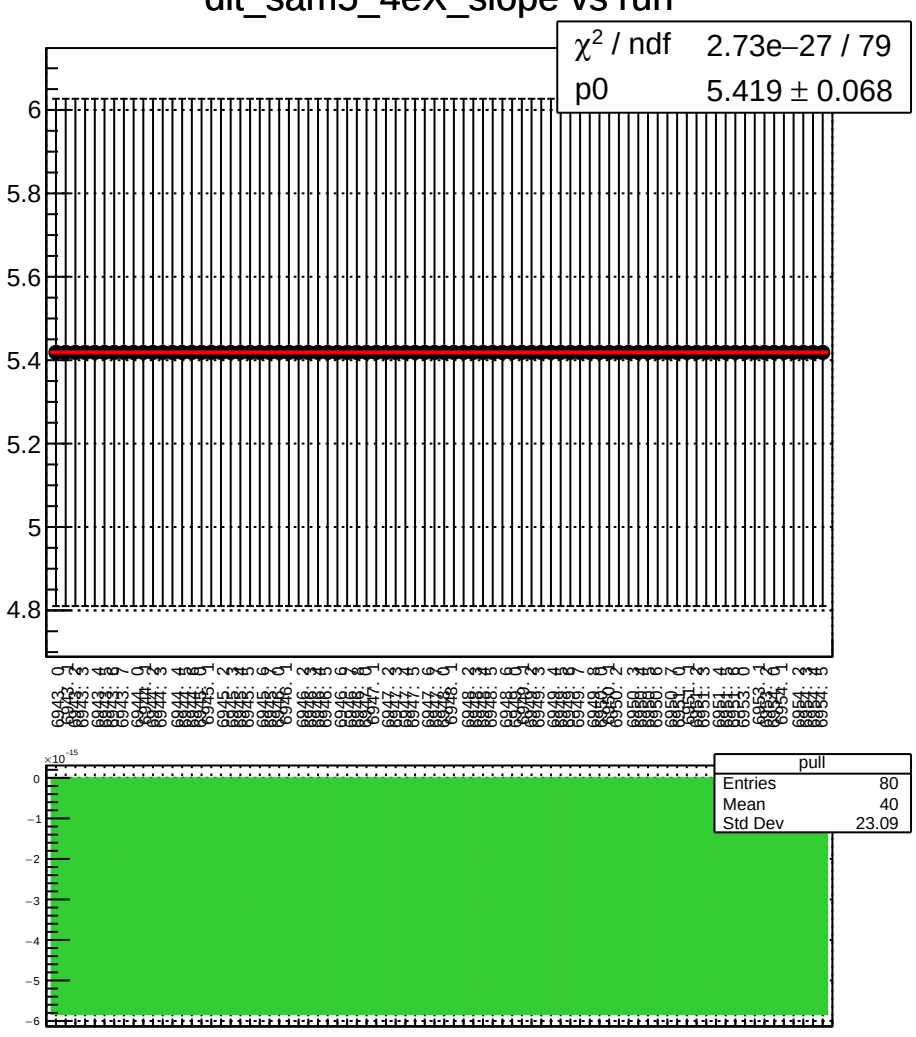

pull1D
Entries 80
Mean 2.173e−15
Std Dev 6.484e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

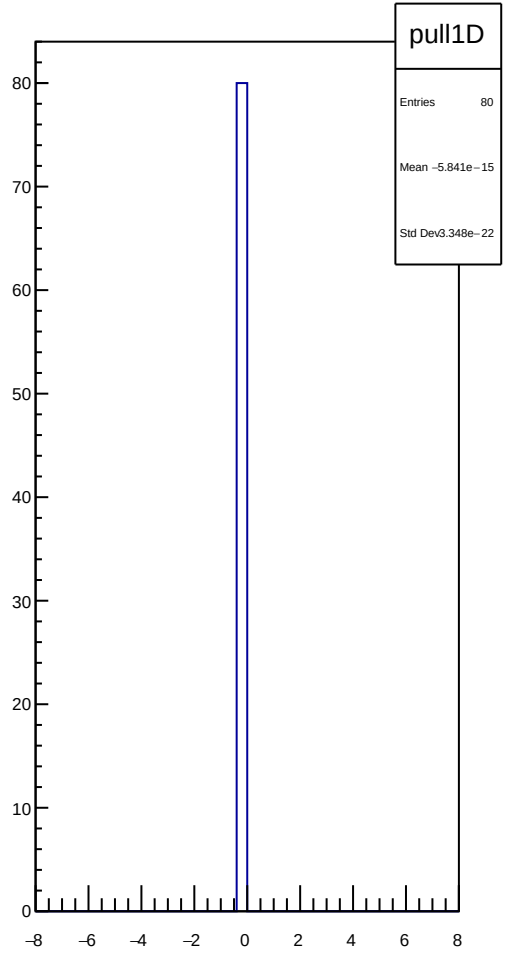

dit_sam4_4aY_slope vs run
χ² / ndf 4.488e−26 / 79
p0 −23.93 ± 0.1342
−22.5
−23
−23.5
−24
−24.5
−25
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 80
Mean −2.369e−14
Std Dev1.372e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

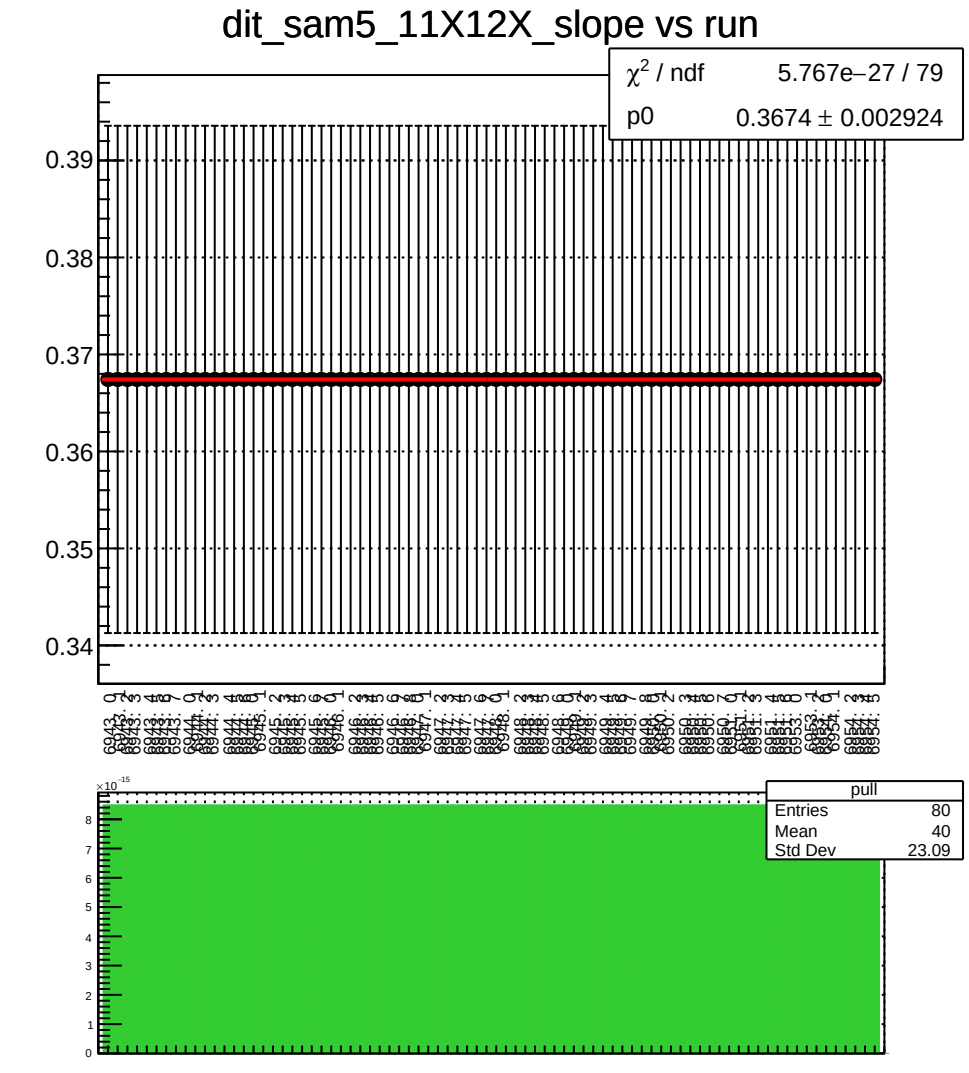

dit_sam4_4eY_slope vs run
χ^2 / ndf 6.934e−24 / 79
p0 266.1 ± 0.1295
267
266.5
266
265.5
265
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.944e−13
Std Dev 2.143e−20

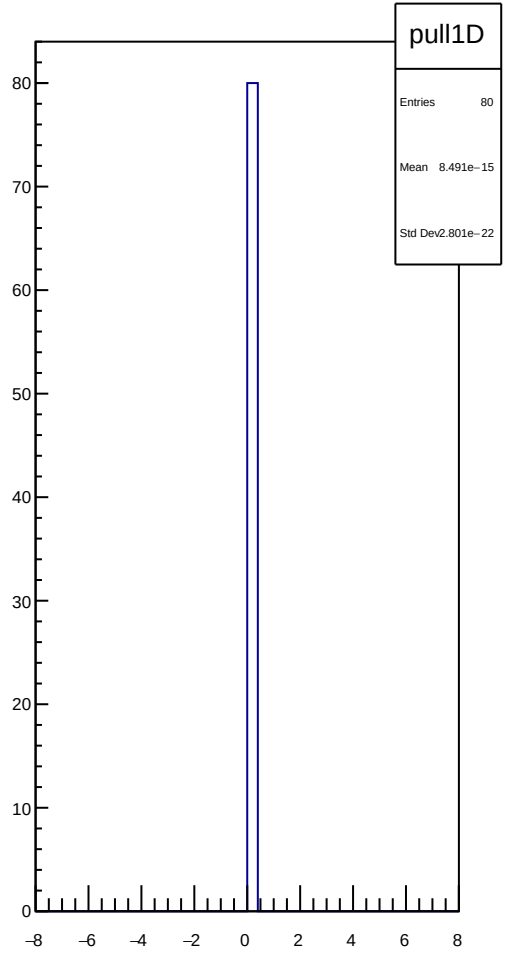

dit_sam5_4aX_slope vs run
χ² / ndf 2.871e−27 / 79
p0 6.053 ± 0.08288
pull
Entries 80
Mean 40
Std Dev 23.09

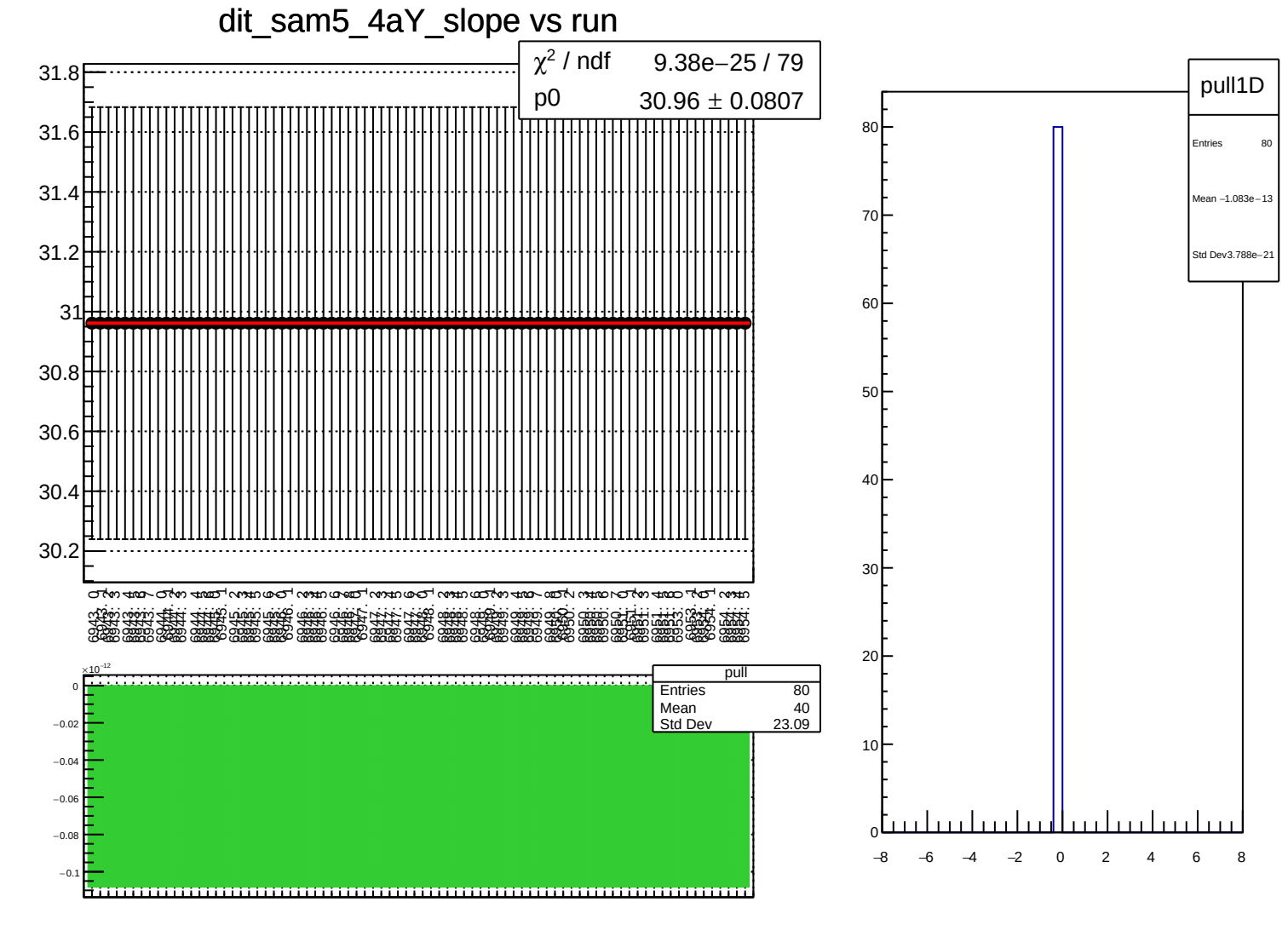

pull1D
Entries 80
Mean 5.99e−15
Std Dev1.297e−22

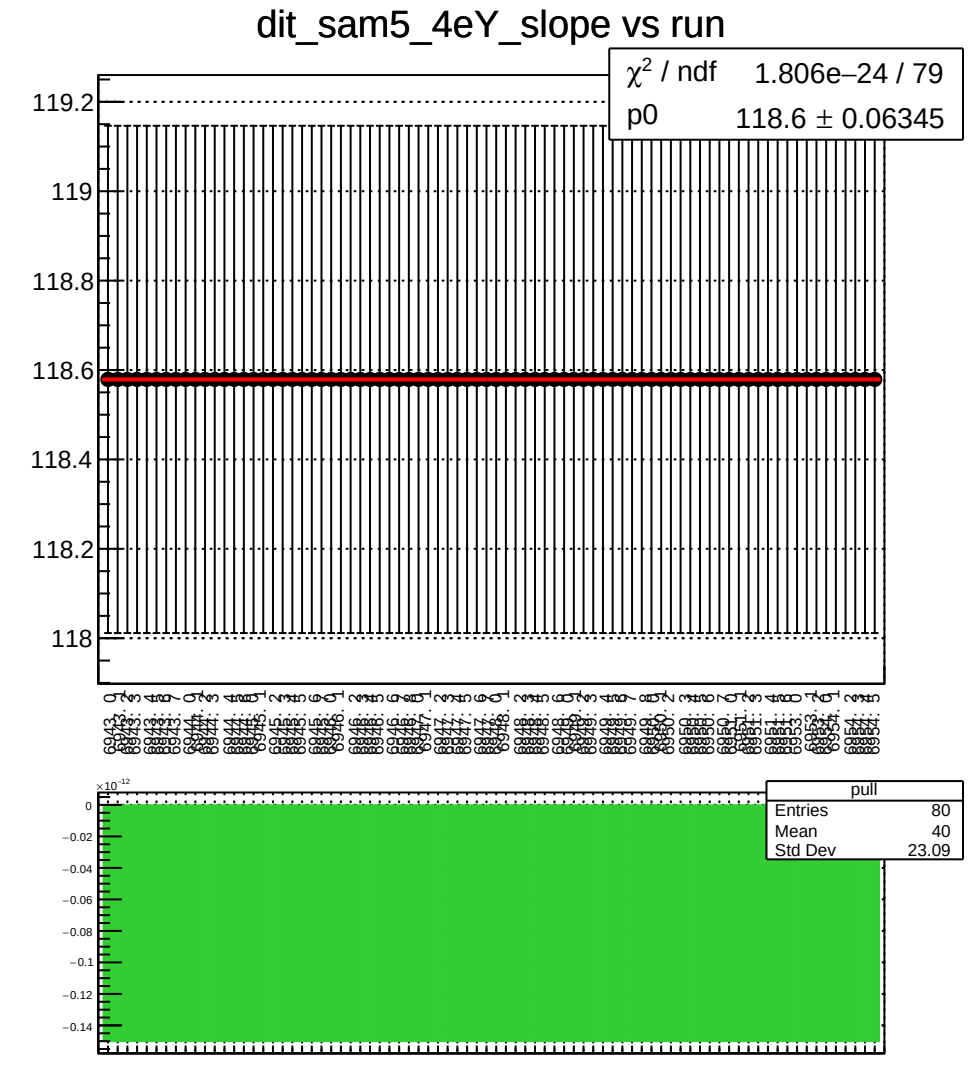

dit_sam5_4eX_slope vs run
χ² / ndf 2.73e−27 / 79
p0 5.419 ± 0.068
pull
Entries 80
Mean 40
Std Dev 23.09

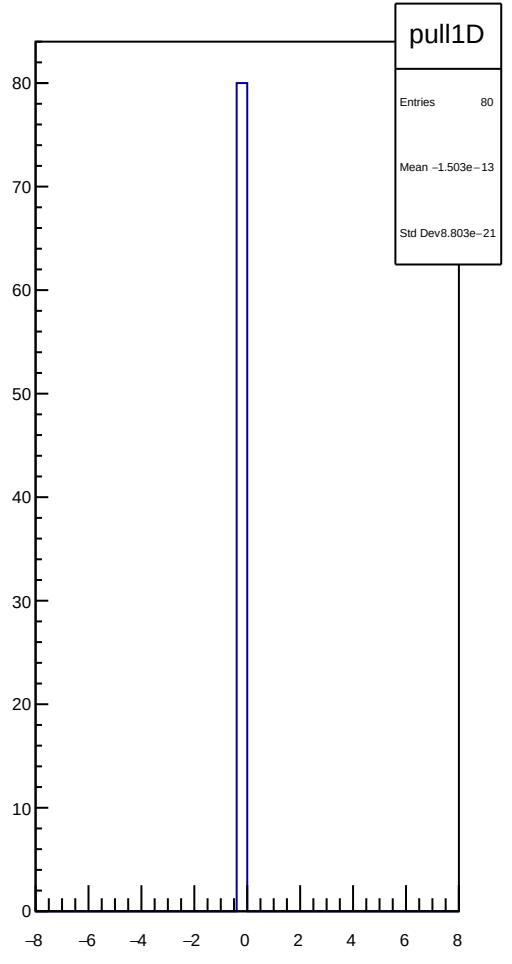

pull1D
Entries 80
Mean −5.841e−15
Std Dev3.348e−22

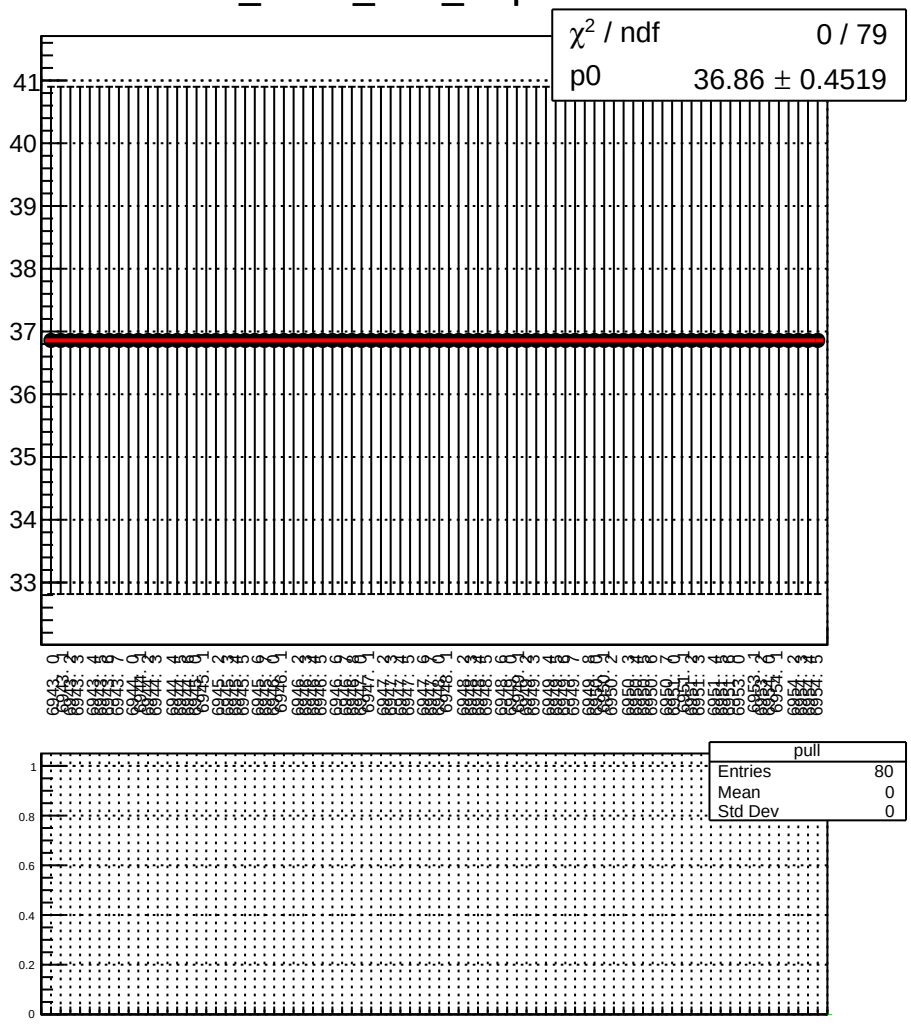

dit_sam5_11X12X_slope vs run
χ² / ndf 5.767e−27 / 79
p0 0.3674 ± 0.002924
0.39
0.38
0.37
0.36
0.35
0.34
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵

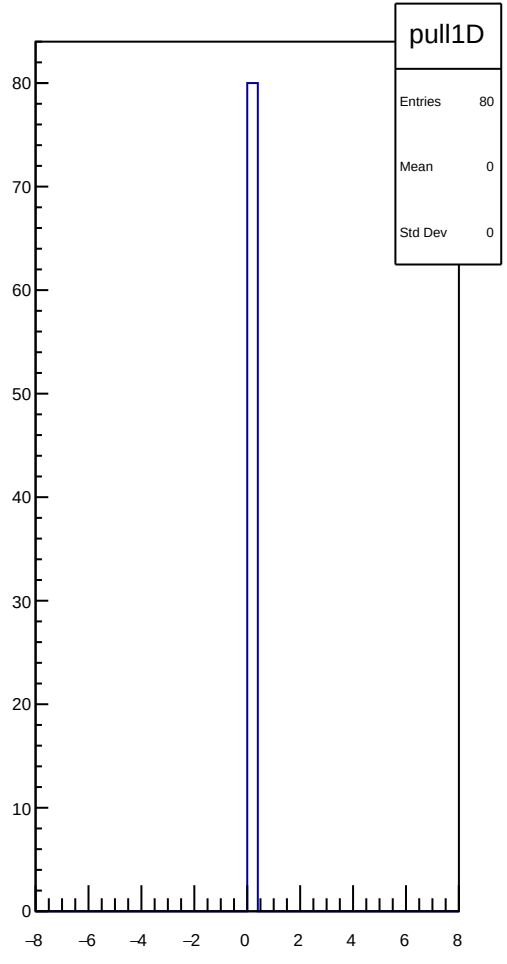

pull1D
Entries 80
Mean 8.491e−15
Std Dev 2.801e−22

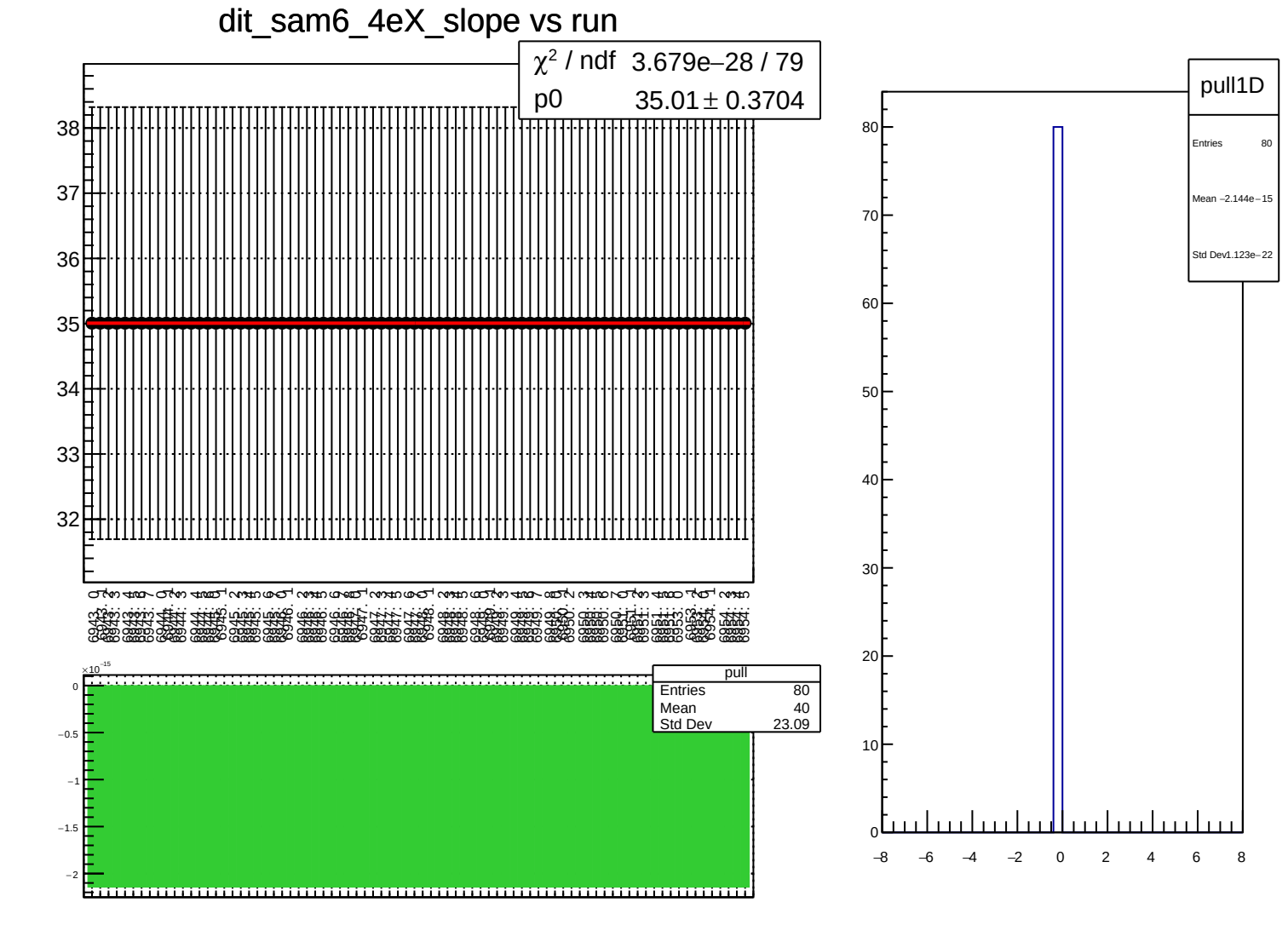

dit_sam5_4aY_slope vs run
χ^2 / ndf 9.38e−25 / 79
p0 30.96 ± 0.0807
31.8
31.6
31.4
31.2
31
30.8
30.6
30.4
30.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 80
Mean −1.083e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

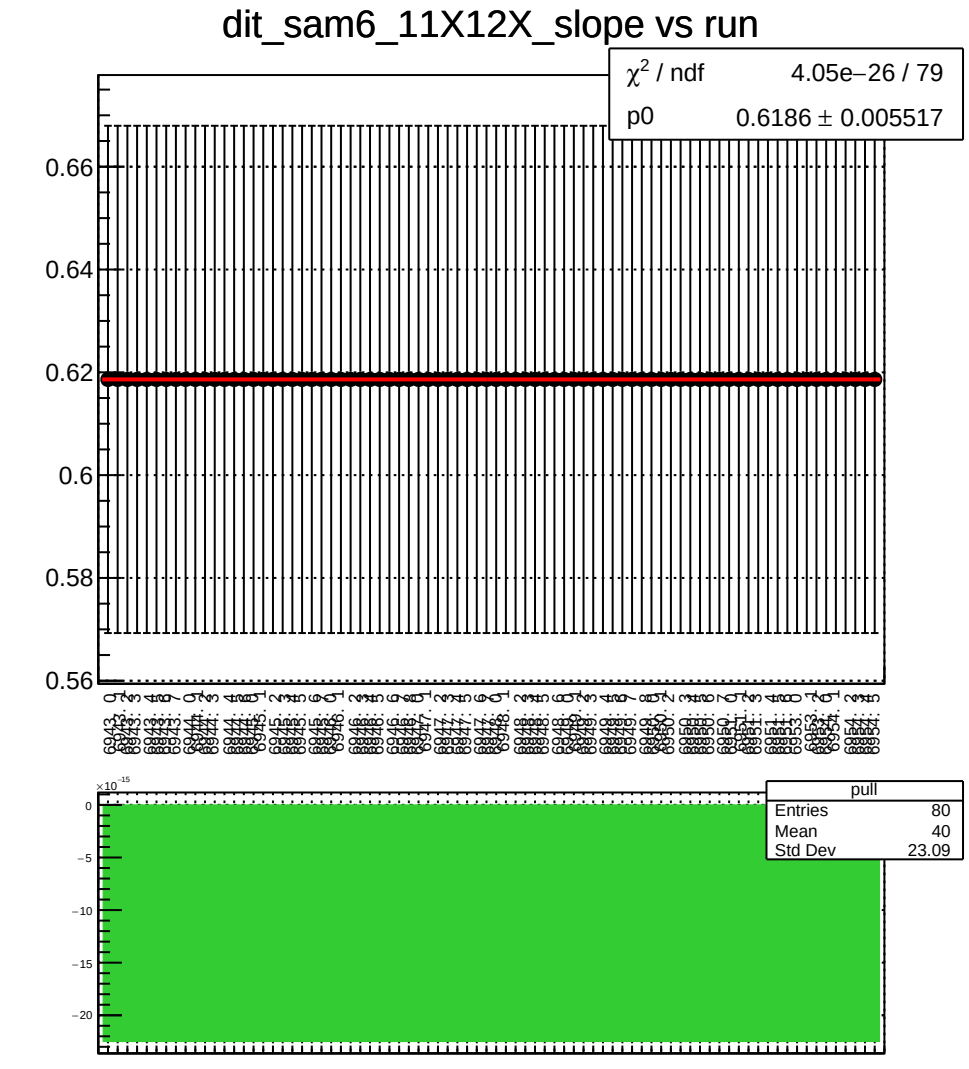

dit_sam5_4eY_slope vs run
χ² / ndf 1.806e−24 / 79
p0 118.6 ± 0.06345
119.2
119
118.8
118.6
118.4
118.2
118
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

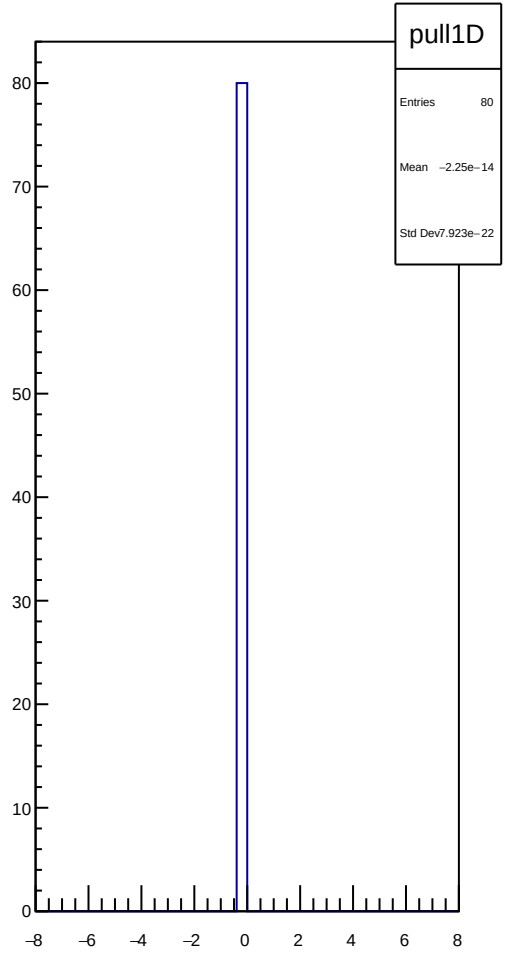

pull1D
Entries 80
Mean −1.503e−13
Std Dev8.803e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

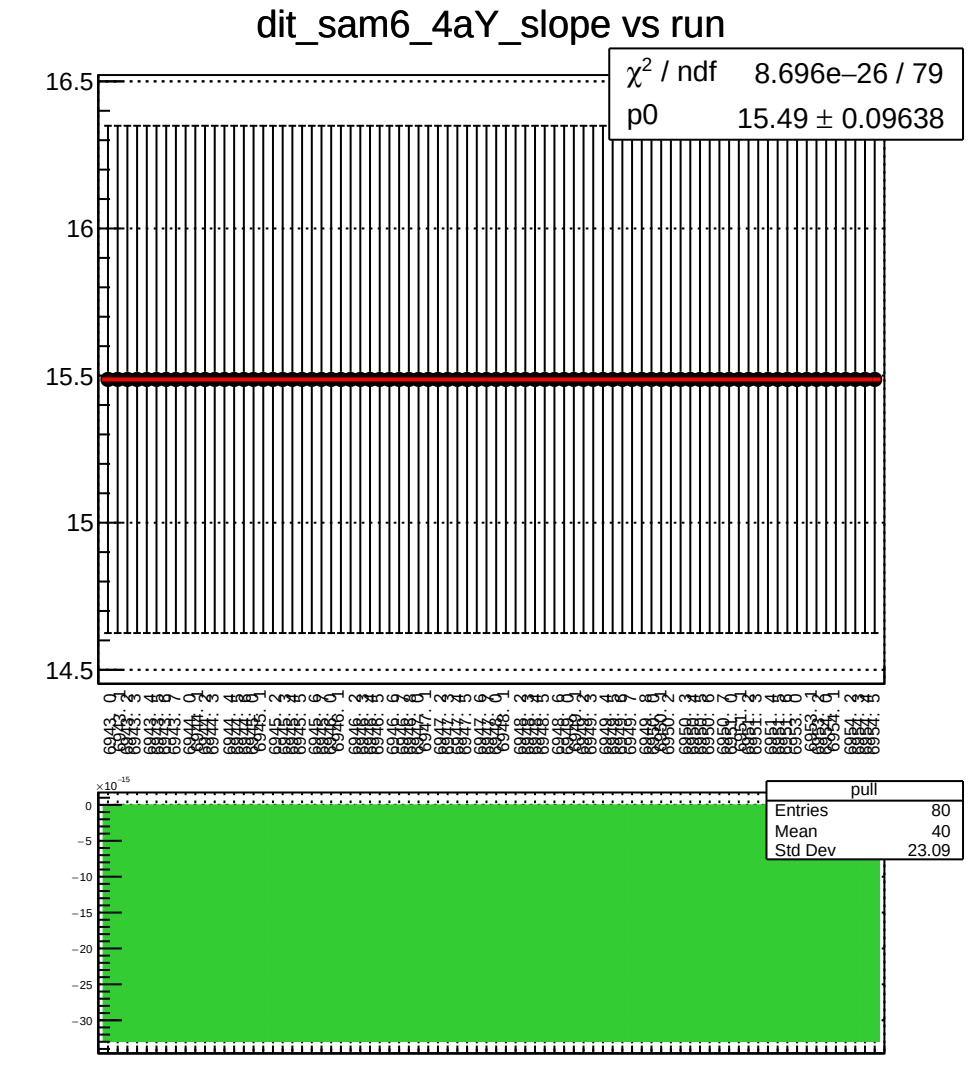

dit_sam6_4aX_slope vs run
χ^2 / ndf 0 / 79
p0 36.86 ± 0.4519
pull
Entries 80
Mean 0
Std Dev 0

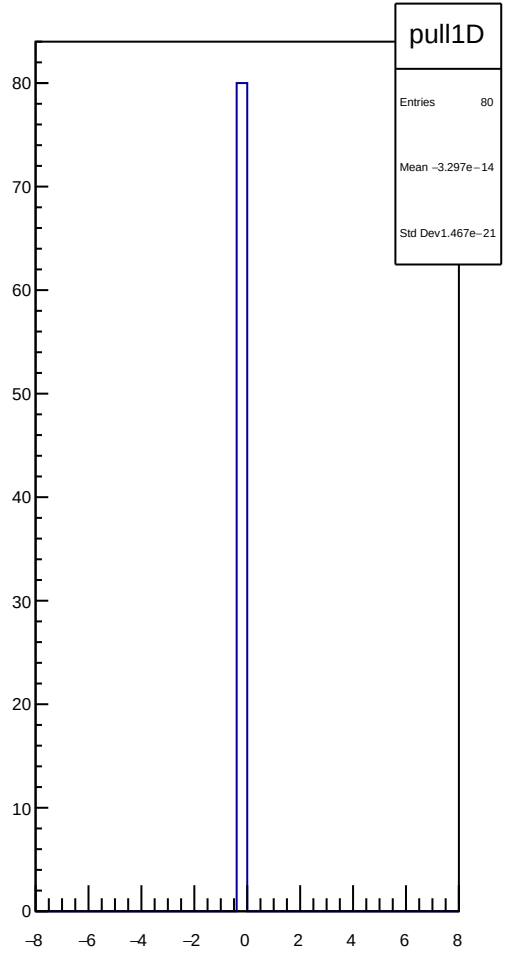

pull1D
Entries 80
Mean 0
Std Dev 0

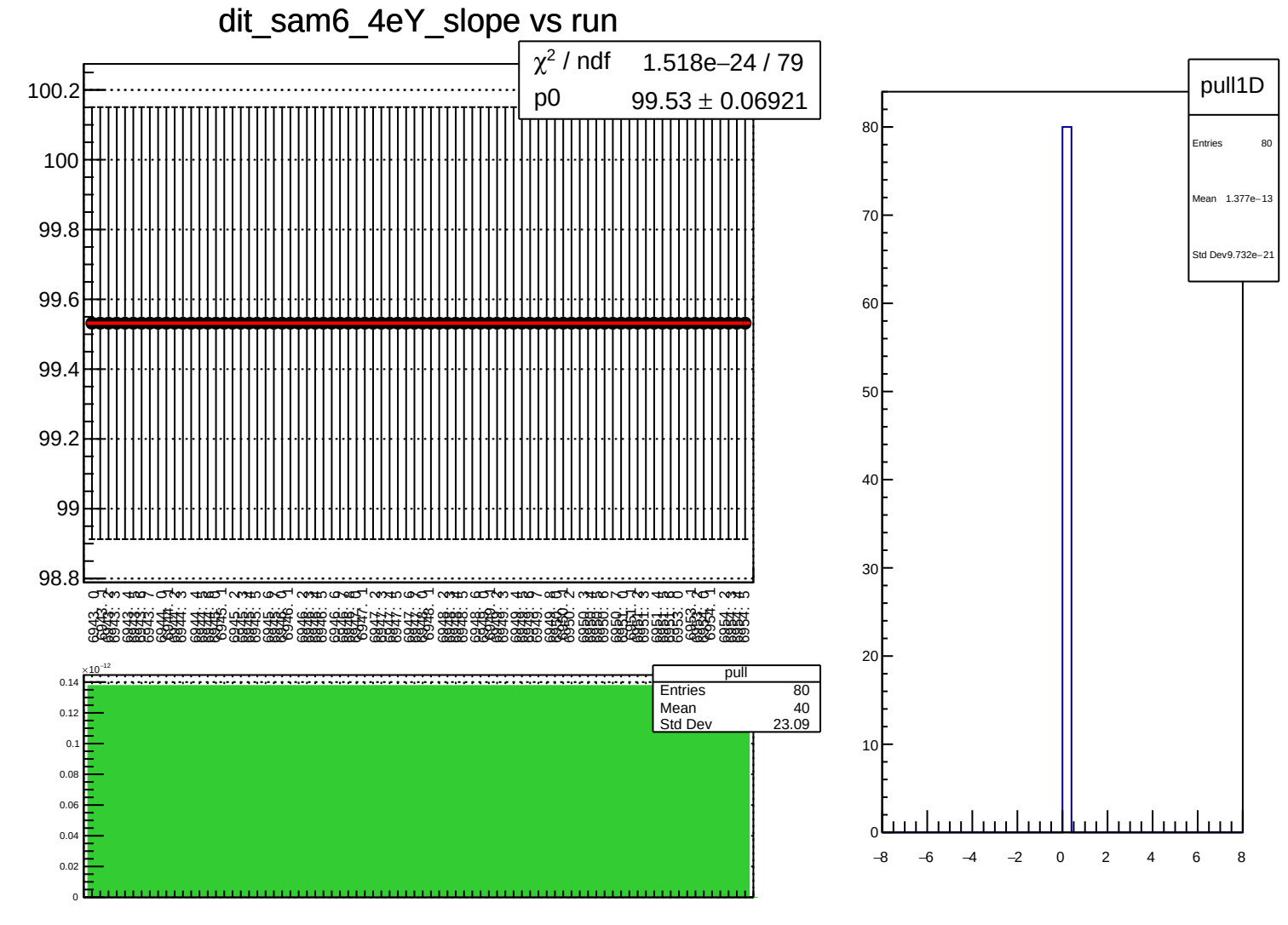

dit_sam6_4eX_slope vs run
χ² / ndf 3.679e−28 / 79
p0 35.01 ± 0.3704
38
37
36
35
34
33
32
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean −2.144e−15
Std Dev1.123e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

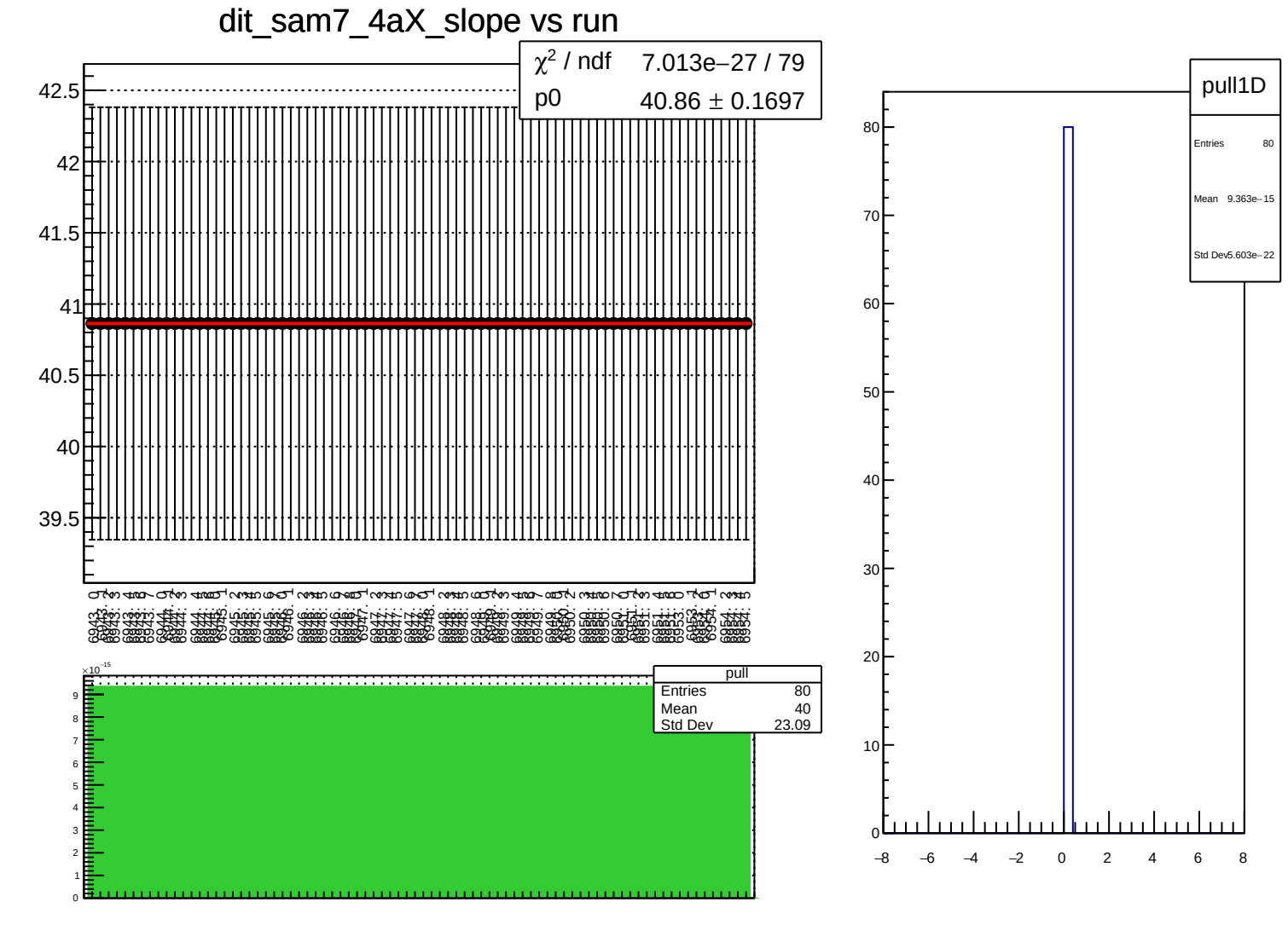

dit_sam6_11X12X_slope vs run
χ² / ndf 4.05e−26 / 79
p0 0.6186 ± 0.005517
0.66
0.64
0.62
0.6
0.58
0.56
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20

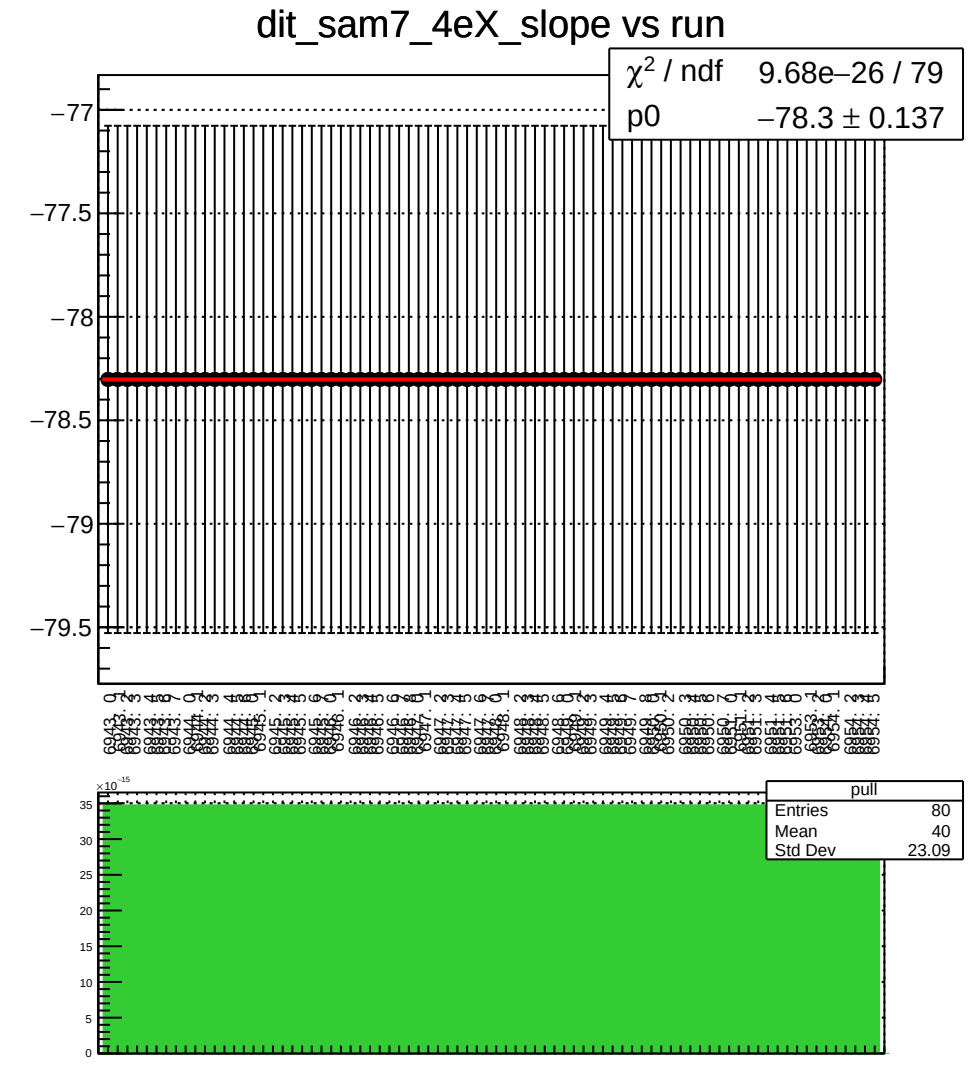

pull1D
Entries 80
Mean −2.25e−14
Std Dev 7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

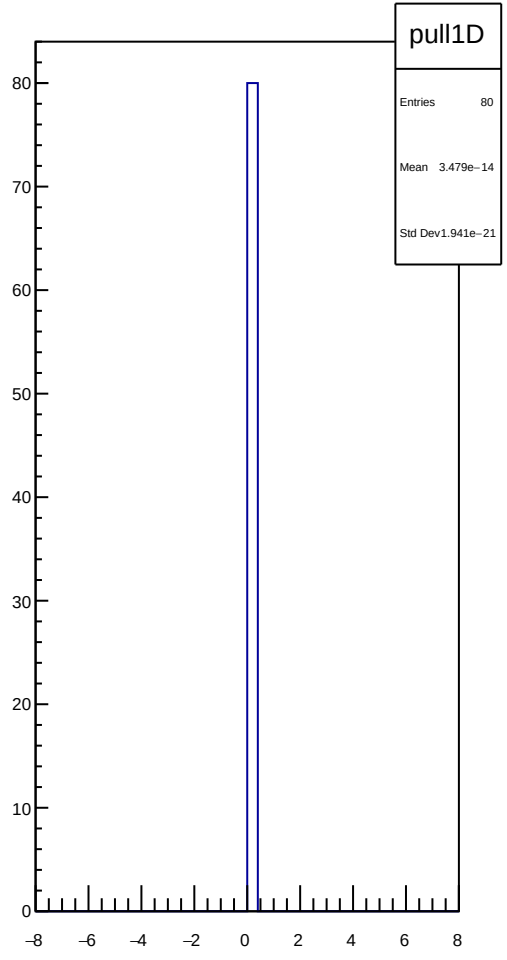

dit_sam6_4aY_slope vs run
χ² / ndf 8.696e−26 / 79
p0 15.49 ± 0.09638
16.5
16
15.5
15
14.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

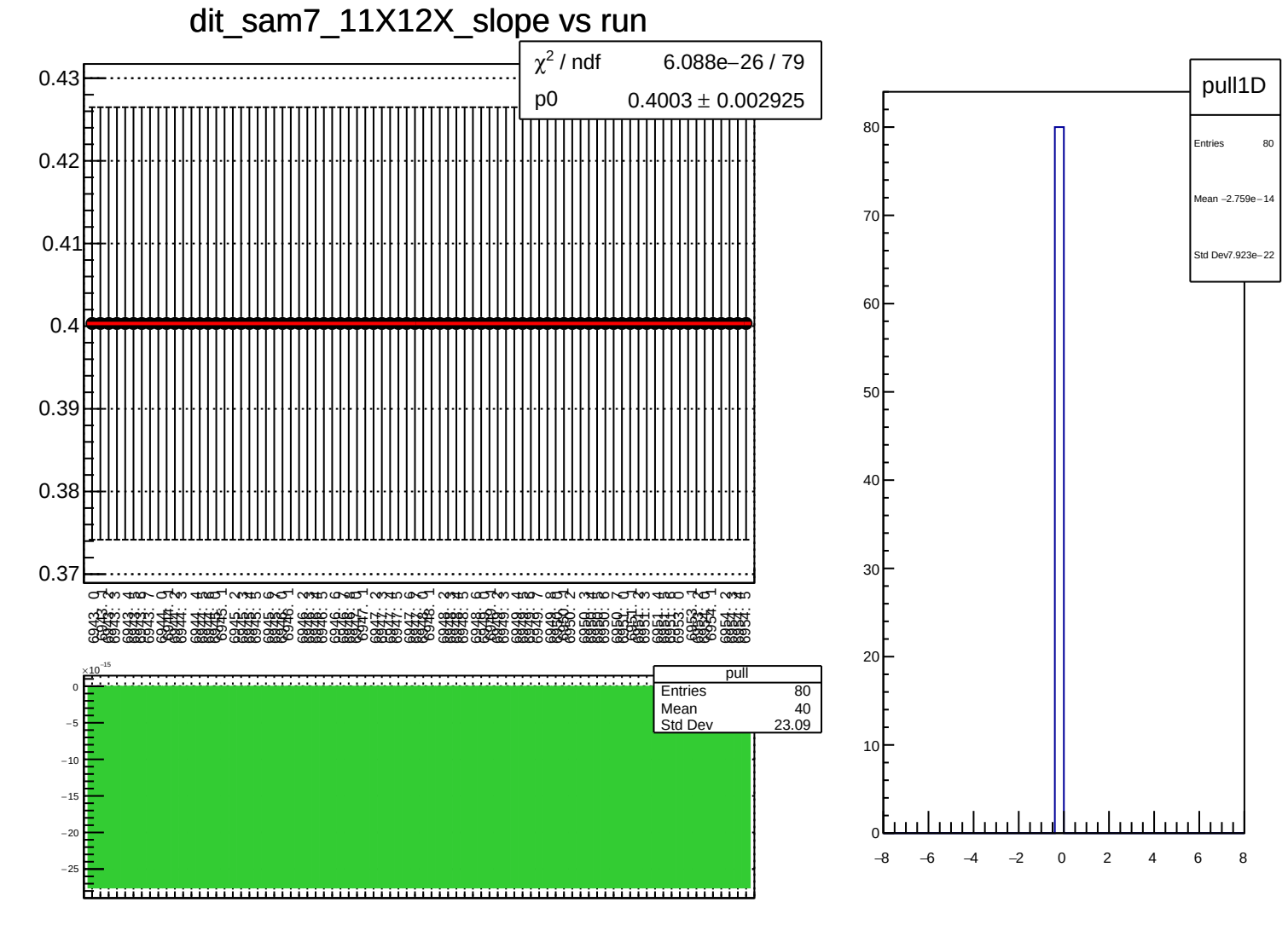

pull1D
Entries 80
Mean −3.297e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

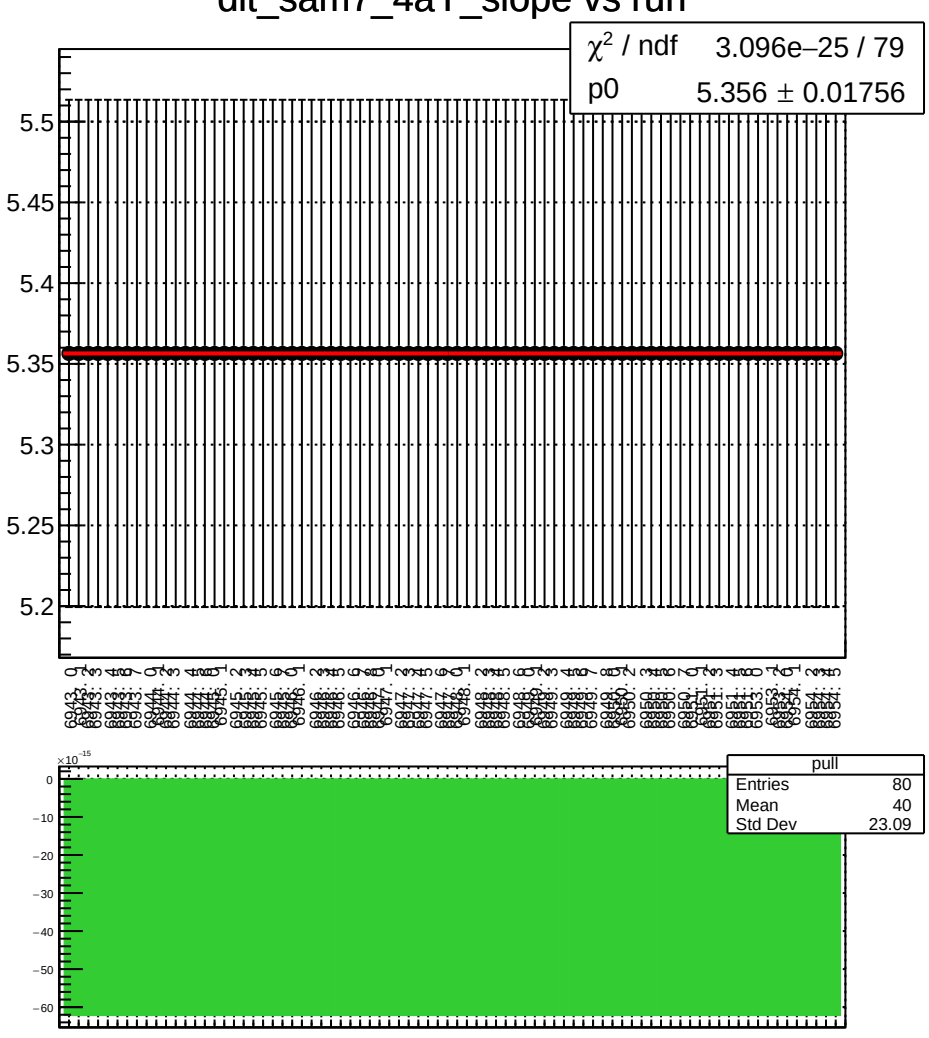

dit_sam6_4eY_slope vs run
χ² / ndf 1.518e−24 / 79
p0 99.53 ± 0.06921
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.377e−13
Std Dev9.732e−21

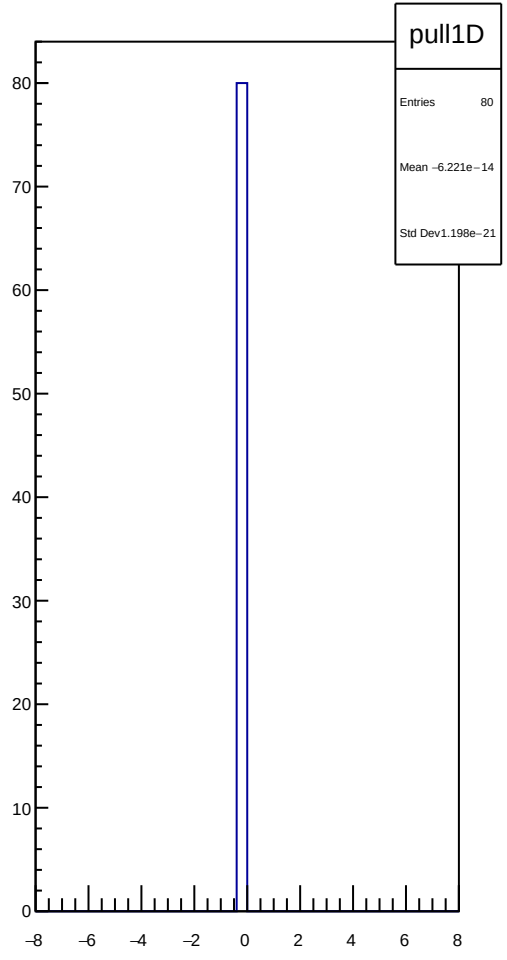

dit_sam7_4aX_slope vs run
χ² / ndf 7.013e−27 / 79
p0 40.86 ± 0.1697
42.5
42
41.5
41
40.5
40
39.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 9.363e−15
Std Dev5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

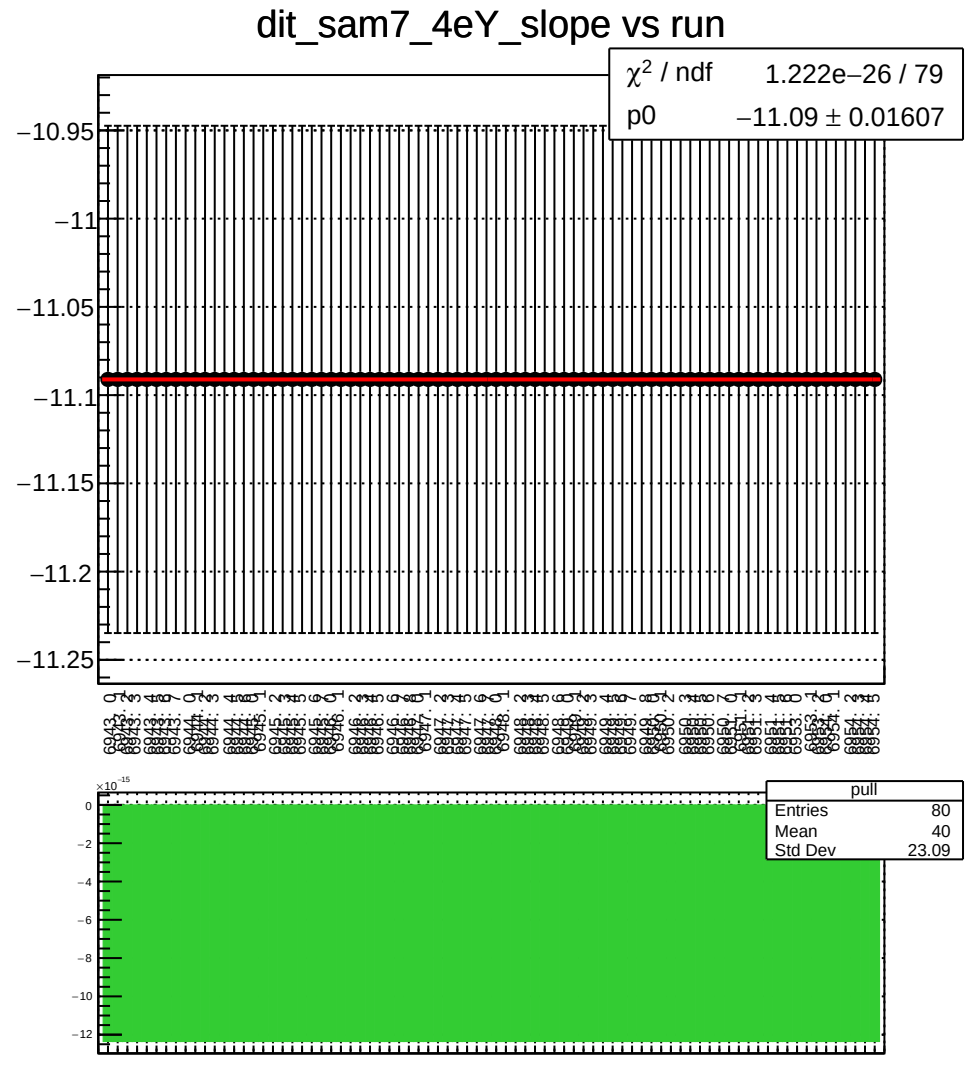

dit_sam7_4eX_slope vs run
χ² / ndf 9.68e−26 / 79
p0 −78.3 ± 0.137
−77
−77.5
−78
−78.5
−79
−79.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
35
30
25
20
15
10
5
0

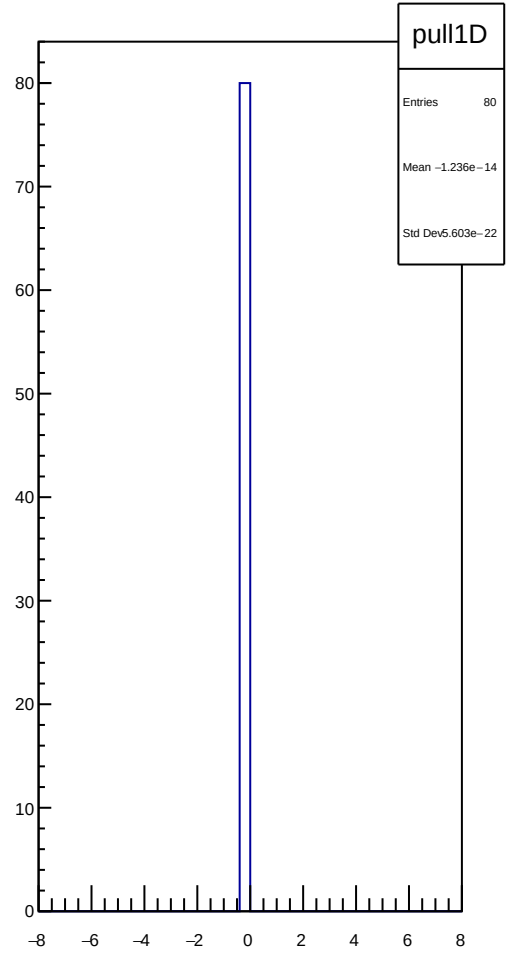

pull1D
Entries 80
Mean 3.479e−14
Std Dev1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

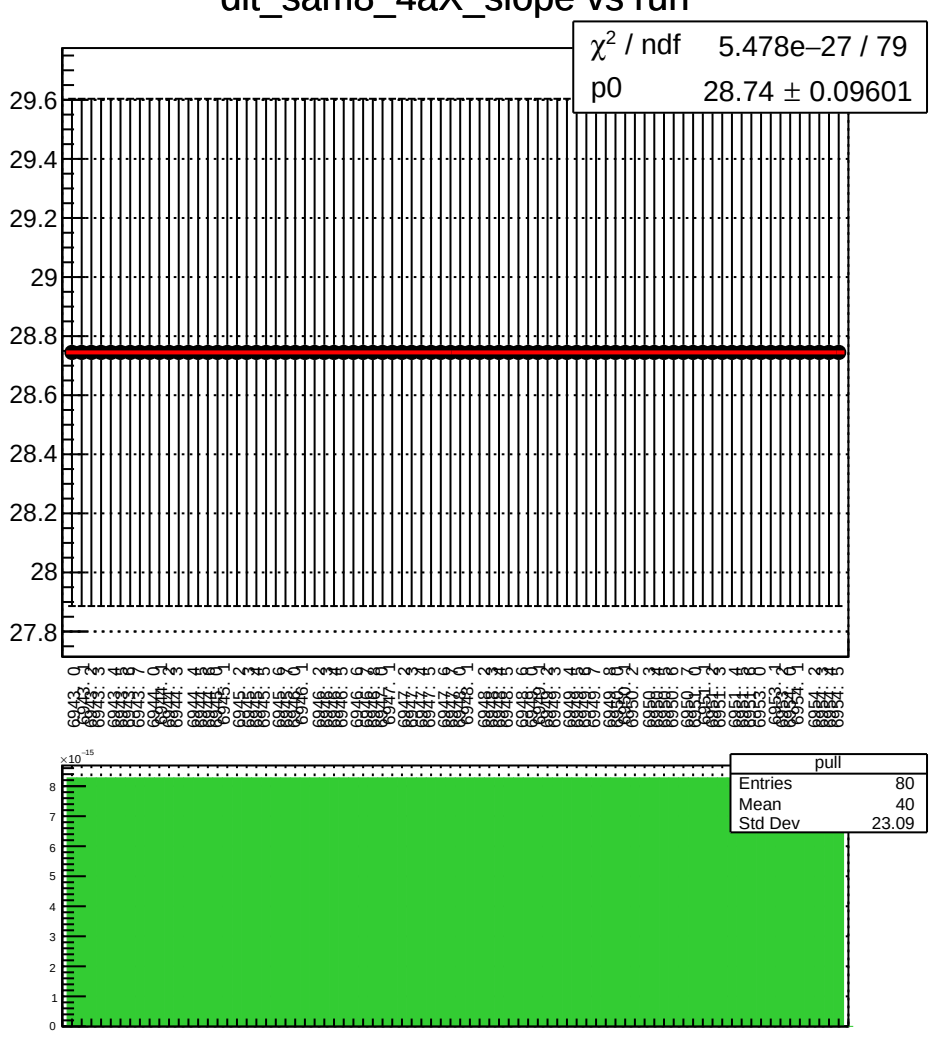

dit_sam7_11X12X_slope vs run
χ² / ndf 6.088e−26 / 79
p0 0.4003 ± 0.002925
0.43
0.42
0.41
0.4
0.39
0.38
0.37
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 80
Mean −2.759e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

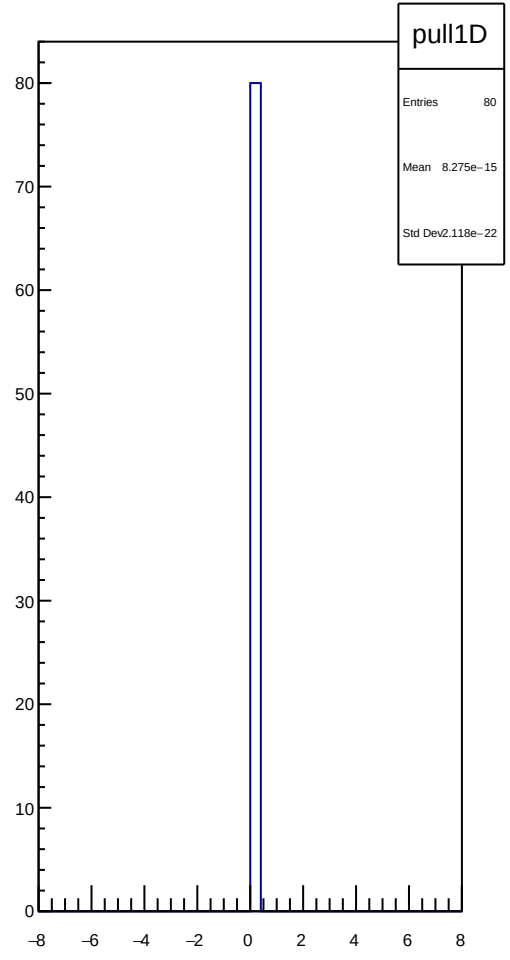

dit_sam7_4aY_slope vs run
χ² / ndf 3.096e−25 / 79
p0 5.356 ± 0.01756
pull
Entries 80
Mean 40
Std Dev 23.09

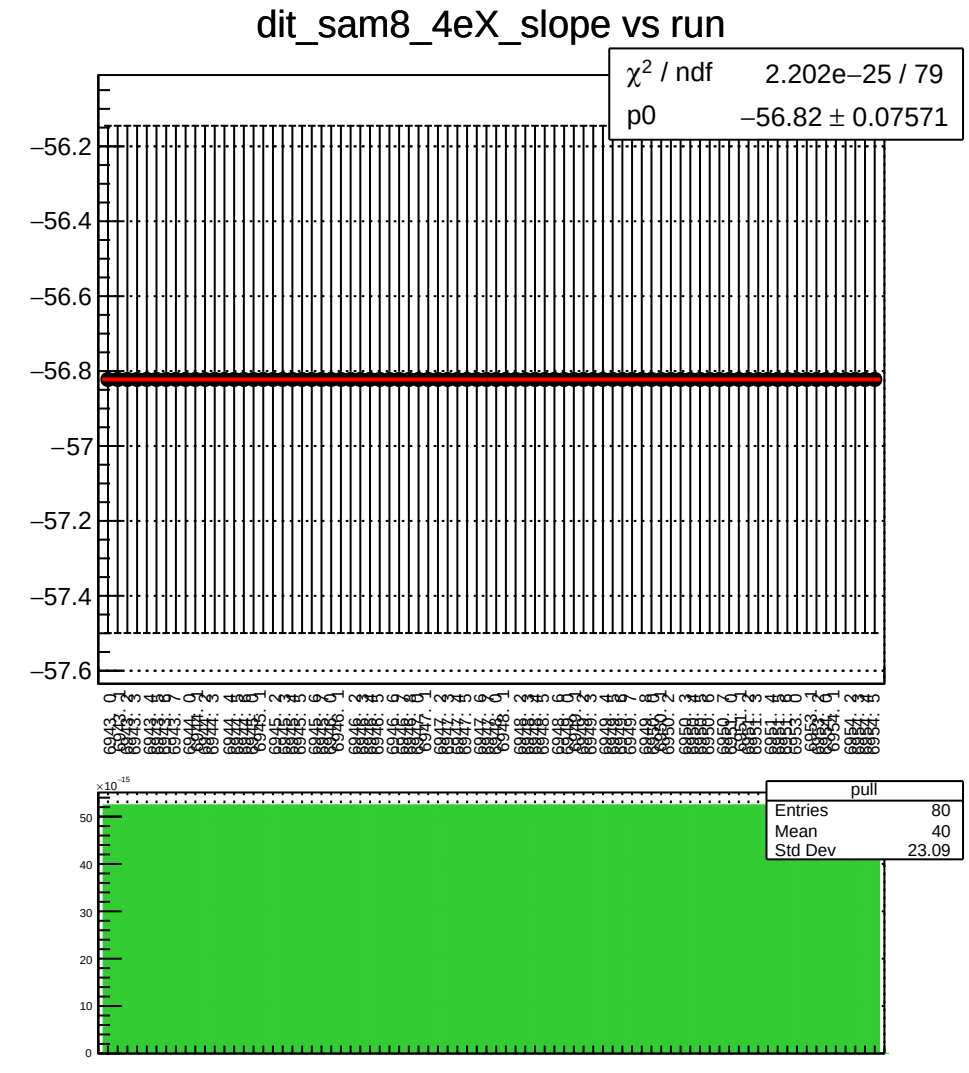

pull1D
Entries 80
Mean −6.221e−14
Std Dev1.198e−21

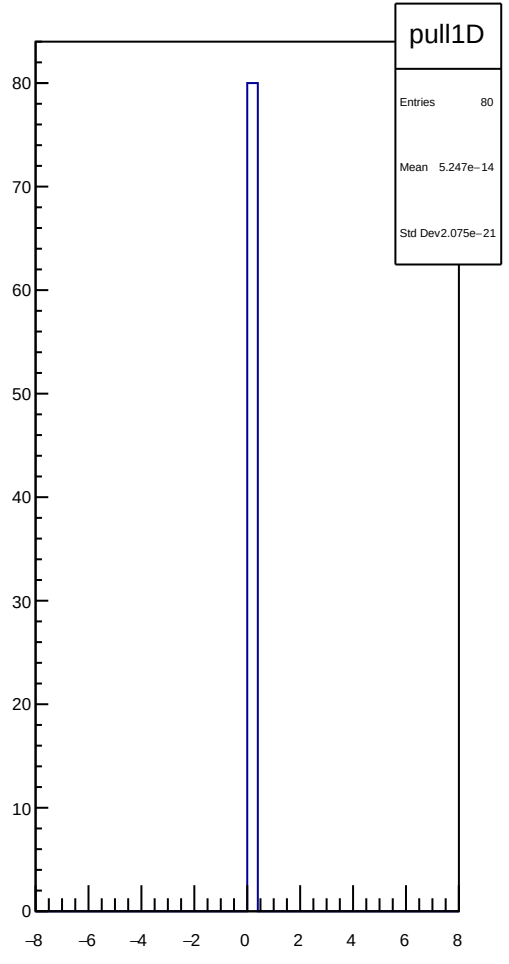

dit_sam7_4eY_slope vs run
χ² / ndf 1.222e−26 / 79
p0 −11.09 ± 0.01607
−10.95
−11
−11.05
−11.1
−11.15
−11.2
−11.25
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

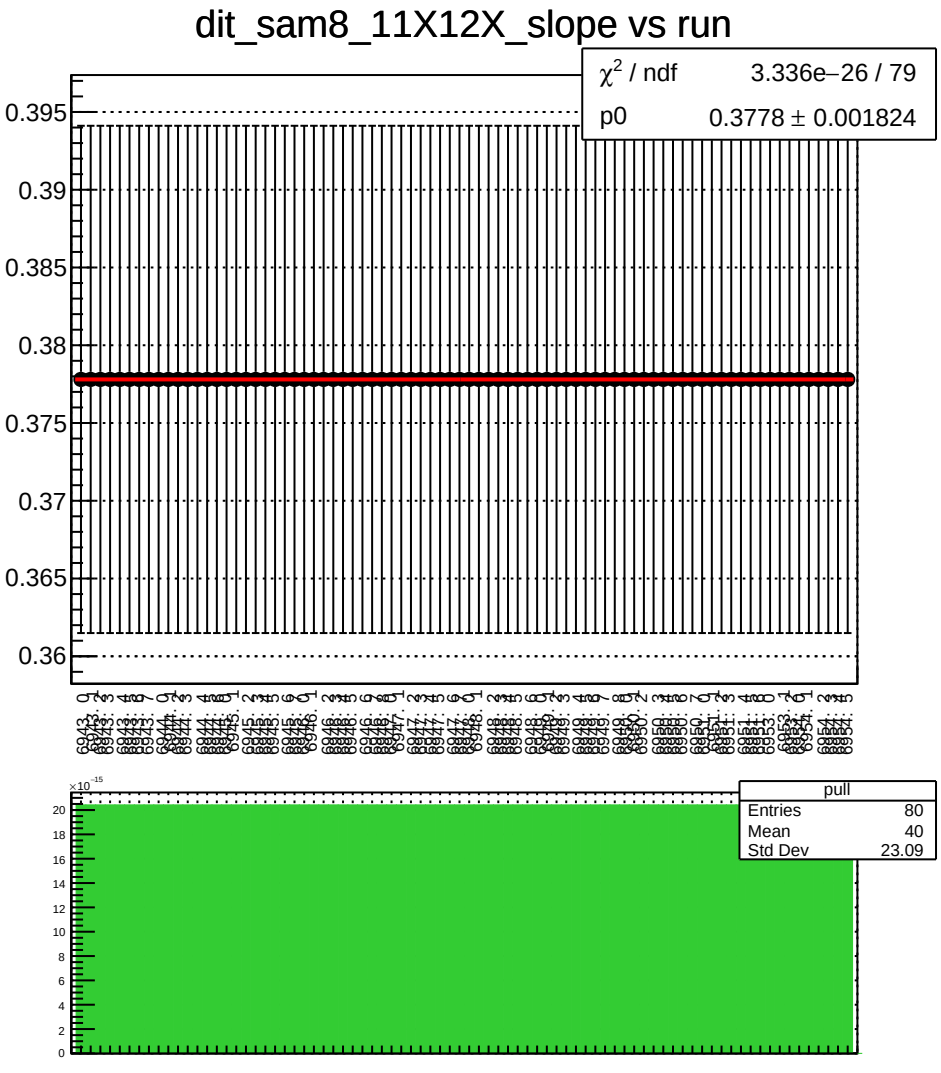

pull1D
Entries 80
Mean −1.236e−14
Std Dev5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

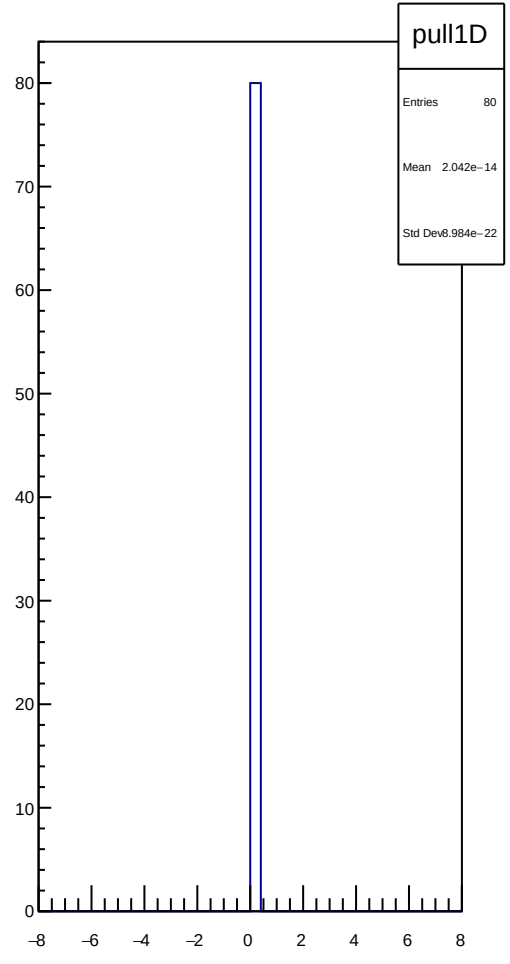

dit_sam8_4aX_slope vs run
χ² / ndf 5.478e−27 / 79
p0 28.74 ± 0.09601
pull
Entries 80
Mean 40
Std Dev 23.09

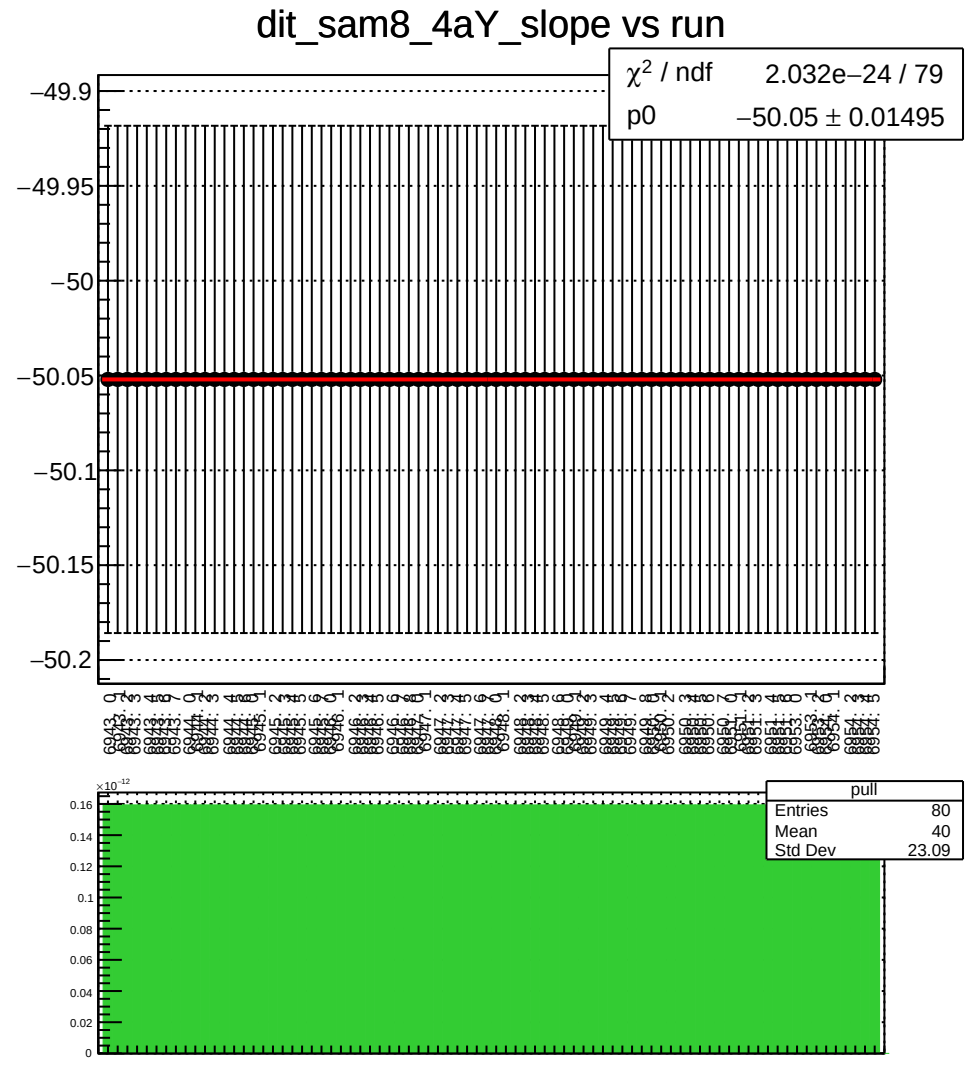

pull1D
Entries 80
Mean 8.275e−15
Std Dev 2.118e−22

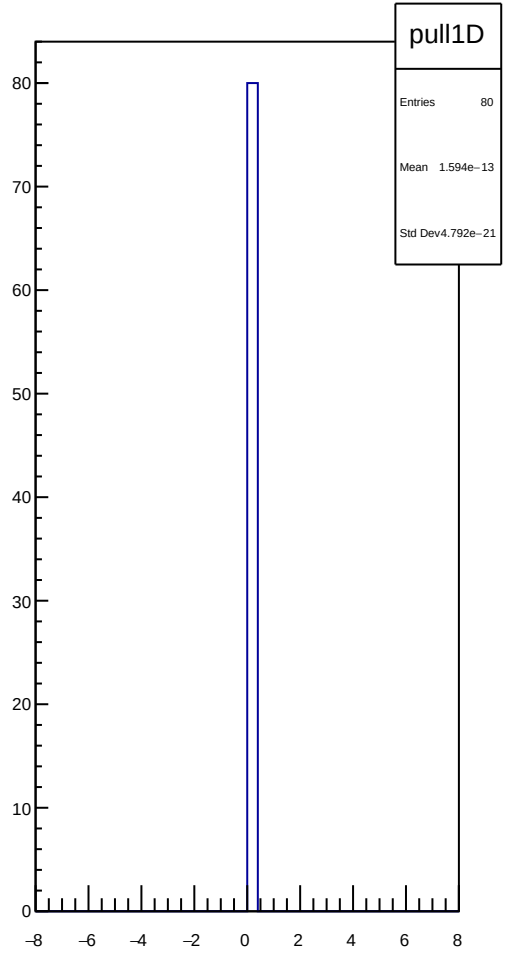

dit_sam8_4eX_slope vs run
χ² / ndf 2.202e−25 / 79
p0 −56.82 ± 0.07571
−56.2
−56.4
−56.6
−56.8
−57
−57.2
−57.4
−57.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
50
40
30
20
10
0

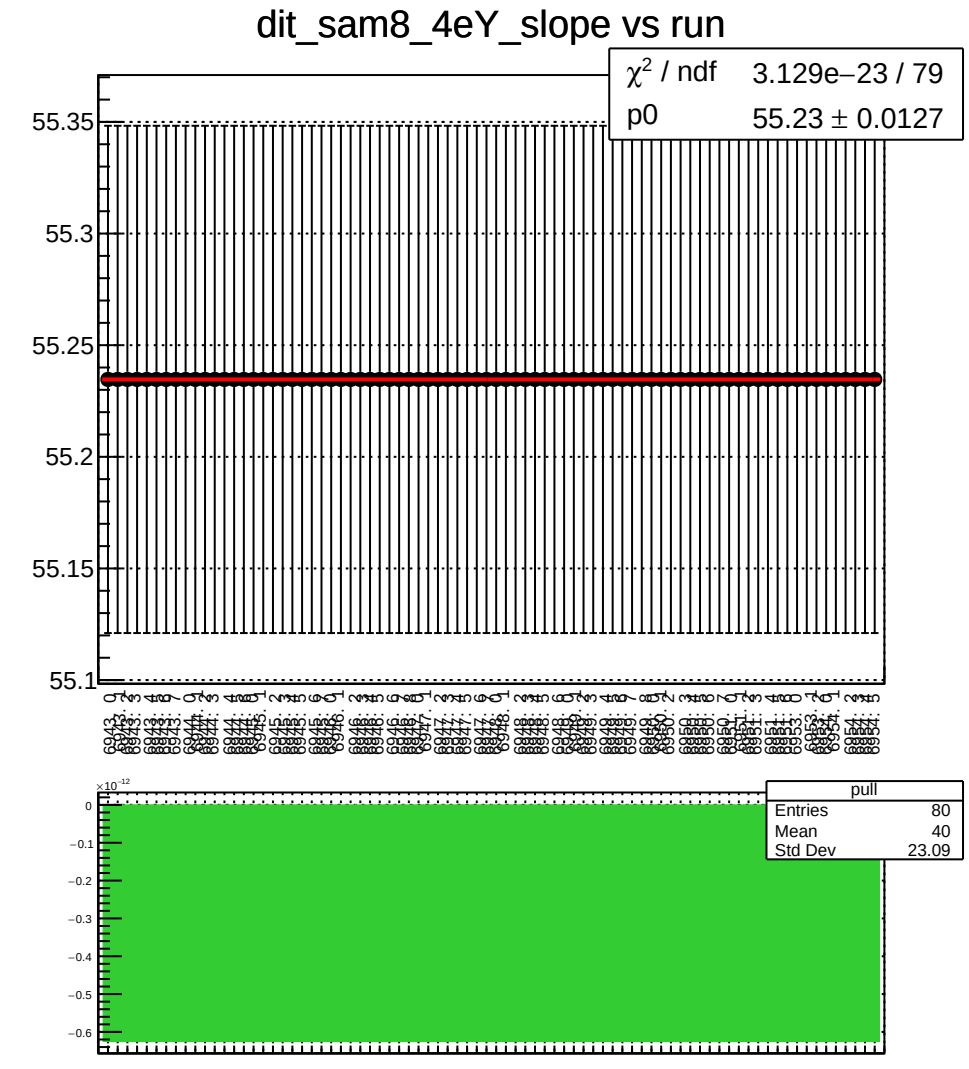

pull1D
Entries 80
Mean 5.247e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

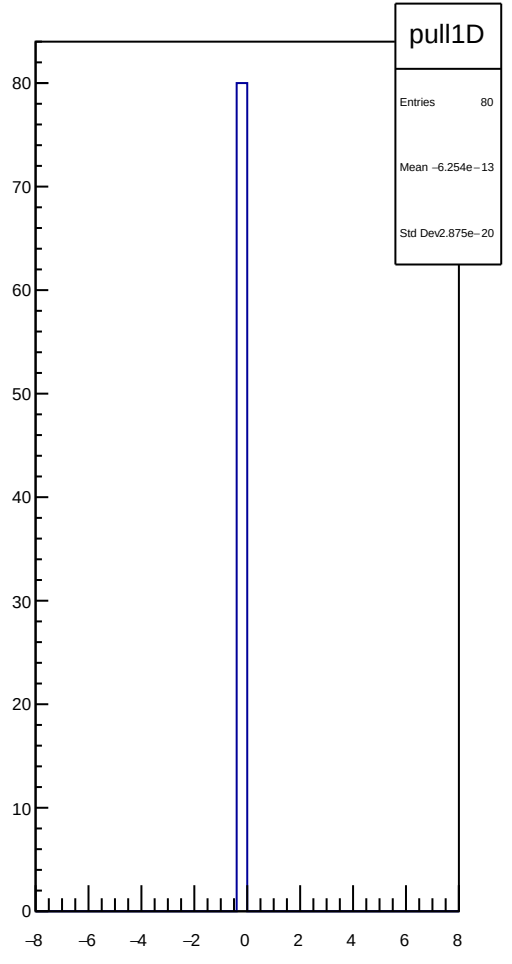

dit_sam8_11X12X_slope vs run
χ² / ndf 3.336e−26 / 79
p0 0.3778 ± 0.001824
0.395
0.39
0.385
0.38
0.375
0.37
0.365
0.36
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

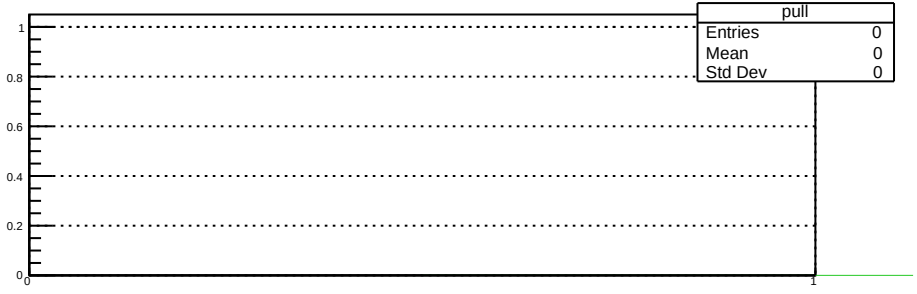

pull1D
Entries 80
Mean 2.042e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

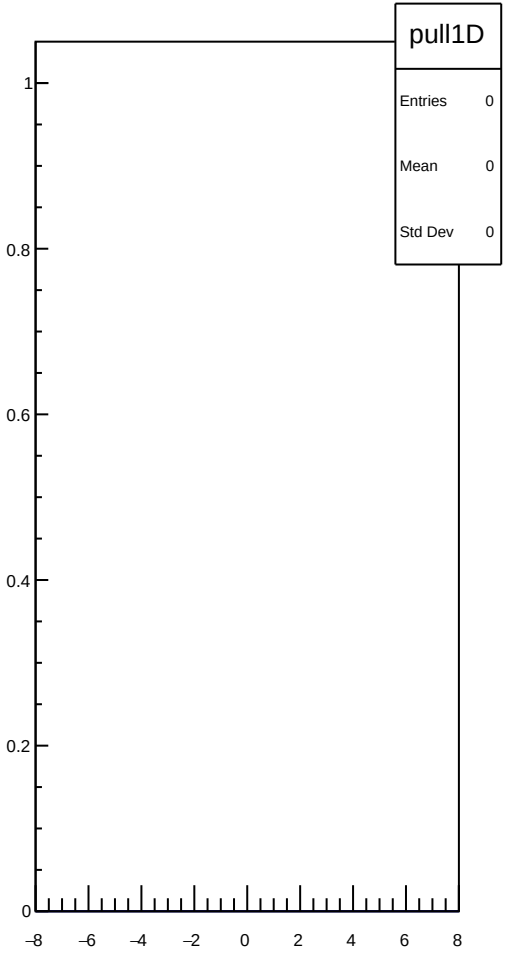

dit_sam8_4aY_slope vs run
χ² / ndf 2.032e−24 / 79
p0 −50.05 ± 0.01495
−49.9
−49.95
−50
−50.05
−50.1
−50.15
−50.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

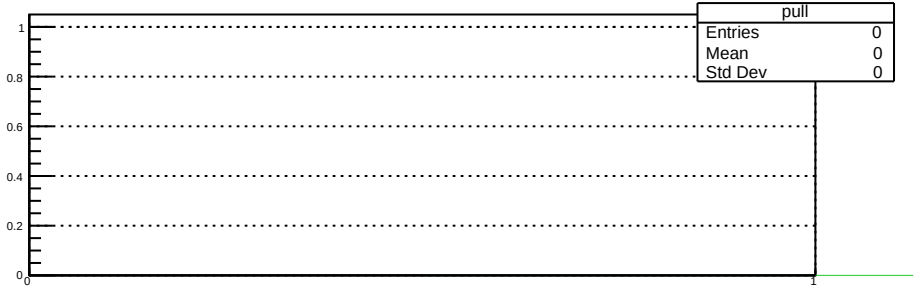

pull1D
Entries 80
Mean 1.594e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

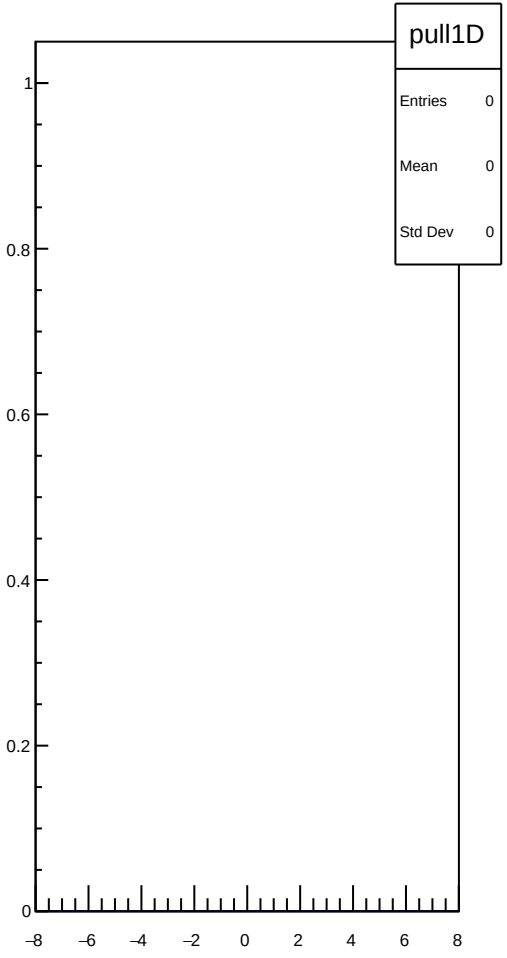

dit_sam8_4eY_slope vs run
χ² / ndf 3.129e−23 / 79
p0 55.23 ± 0.0127
55.35
55.3
55.25
55.2
55.15
55.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

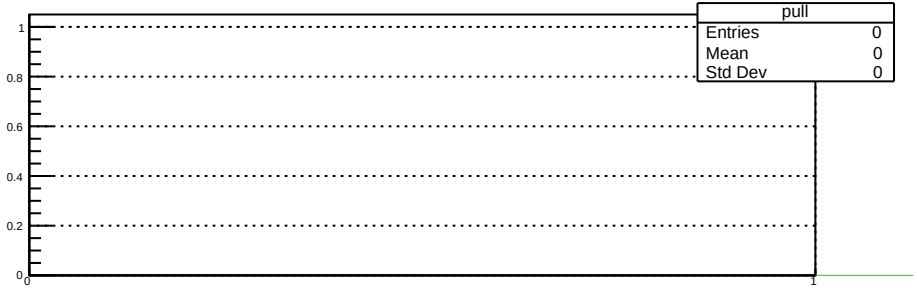

pull1D
Entries 80
Mean −6.254e−13
Std Dev 2.875e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

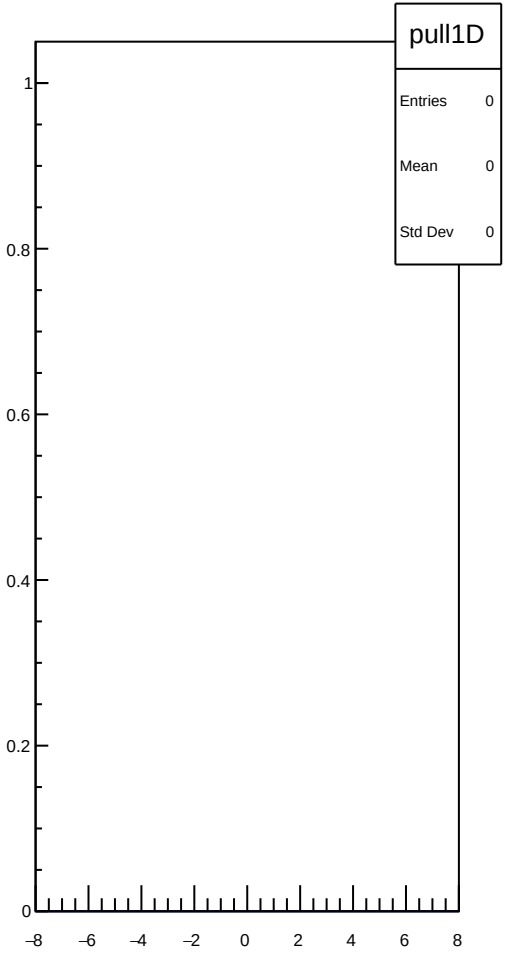

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

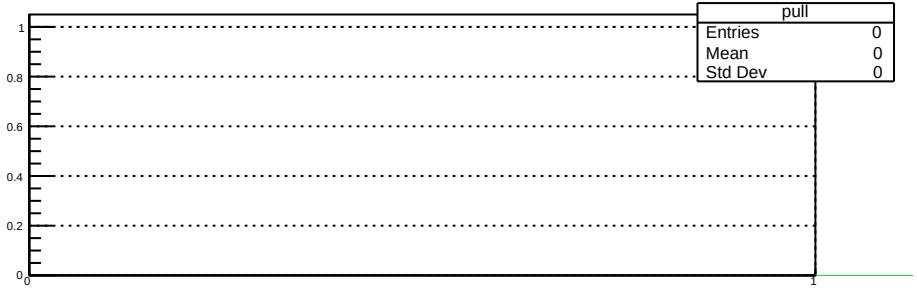

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

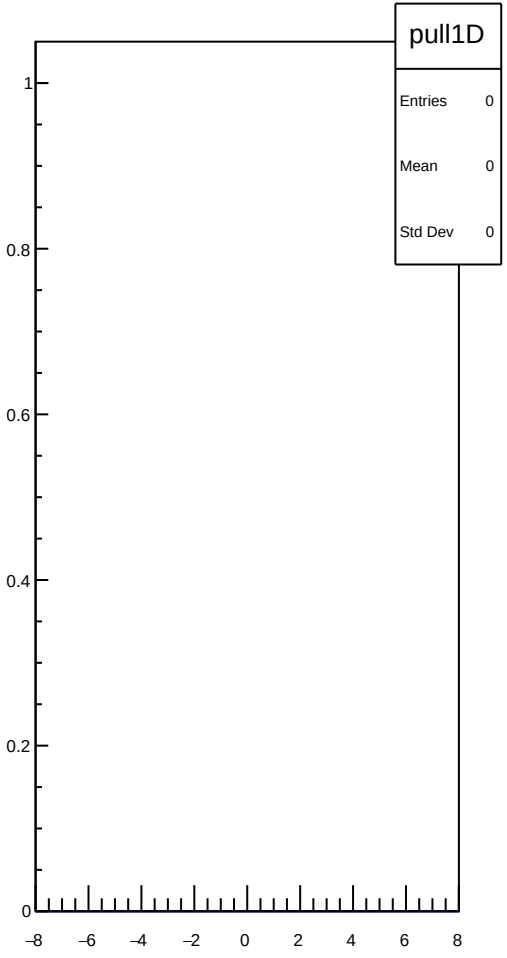

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

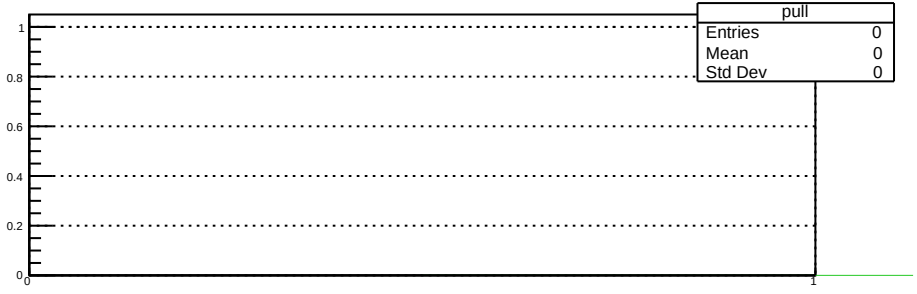

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

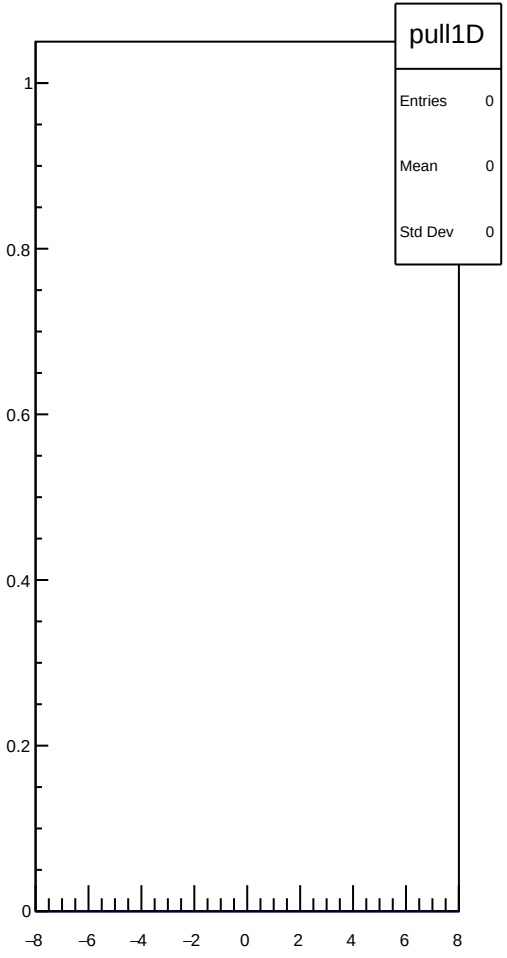

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

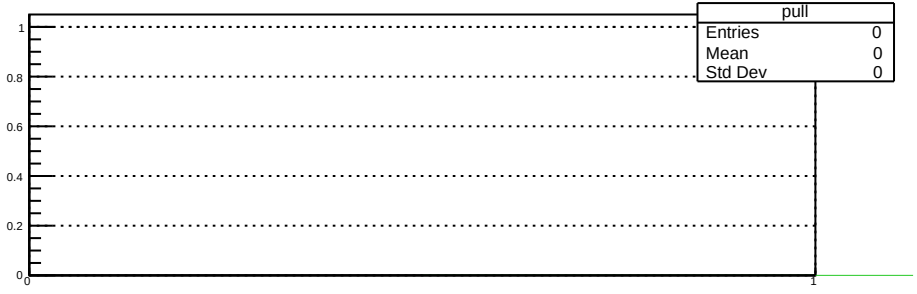

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

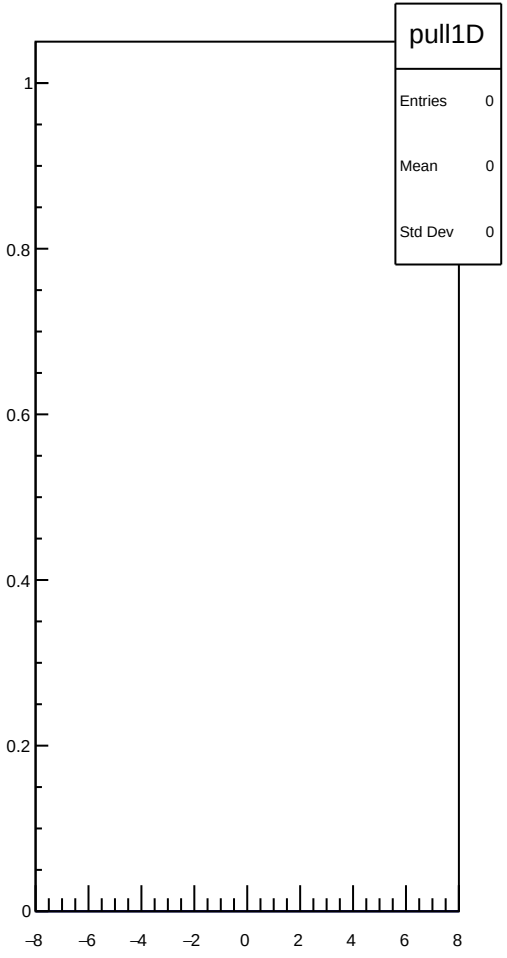

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

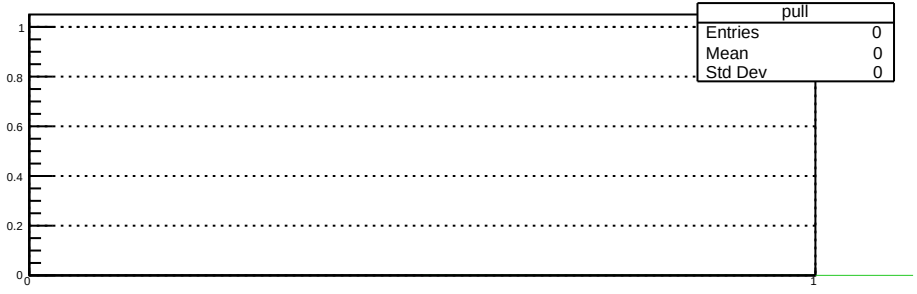

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

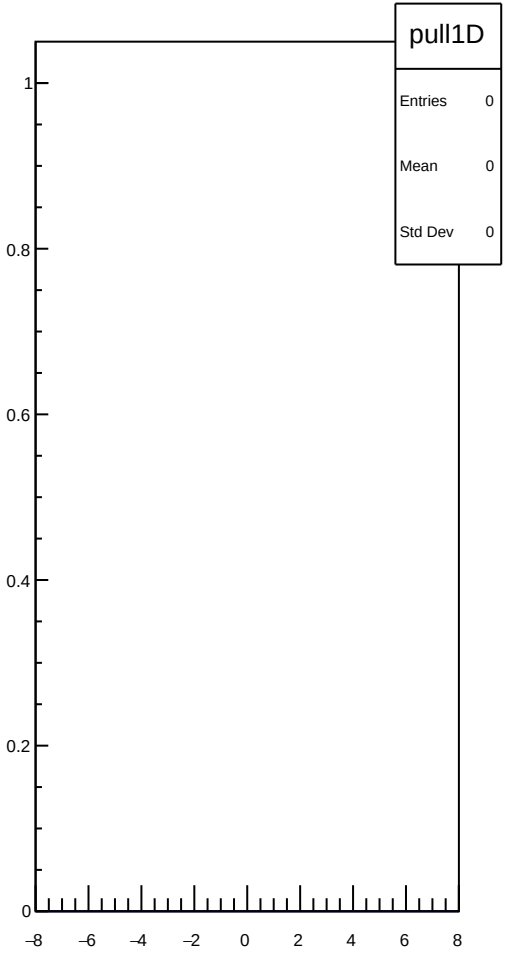

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
1

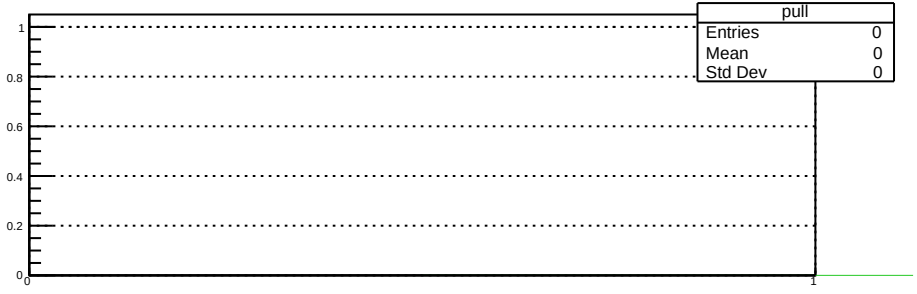

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

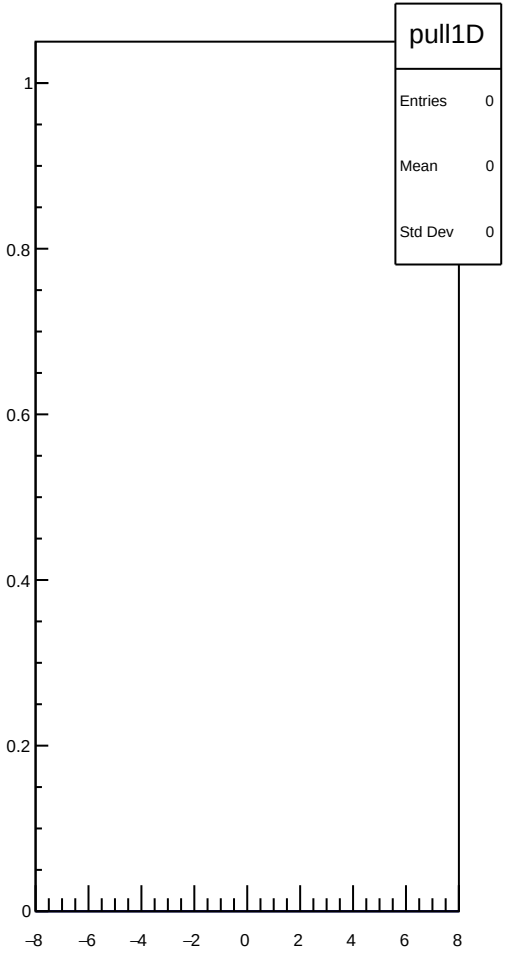

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

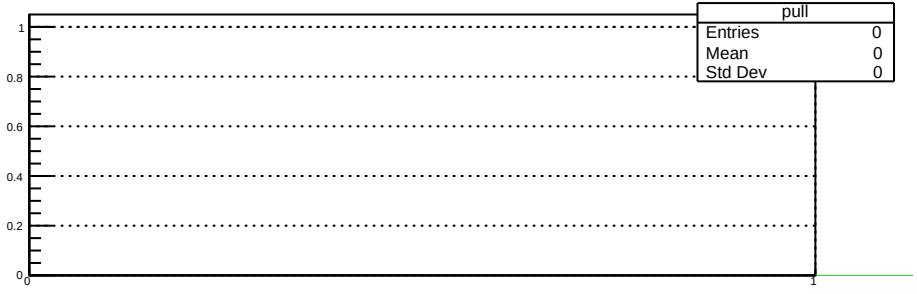

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

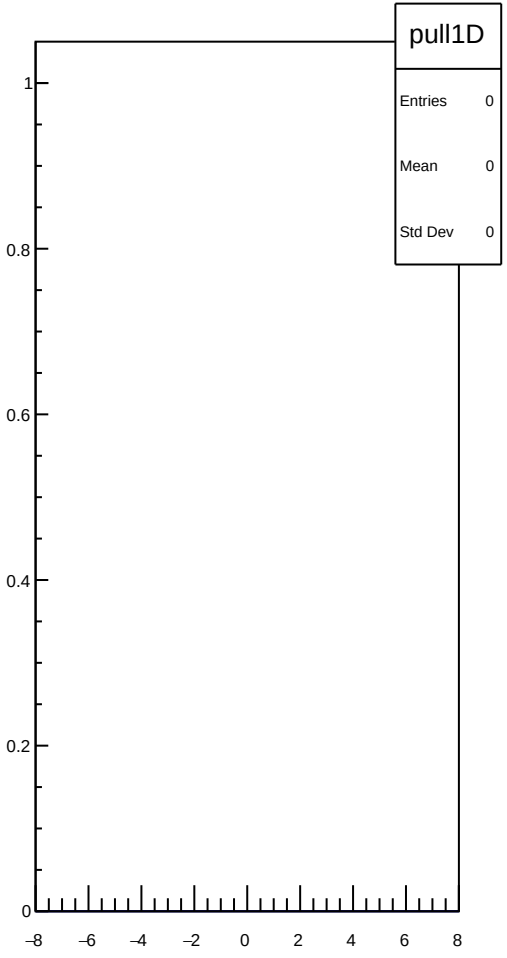

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

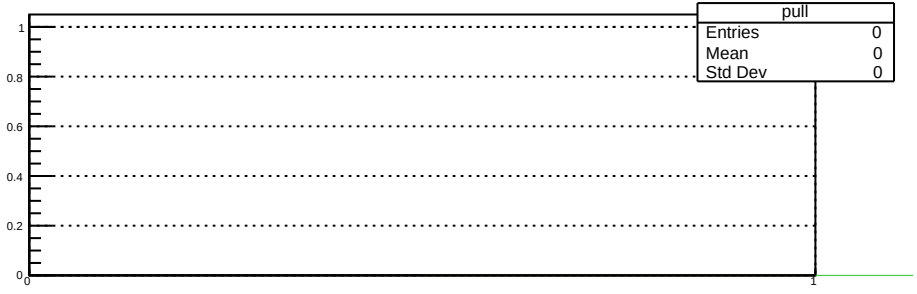

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

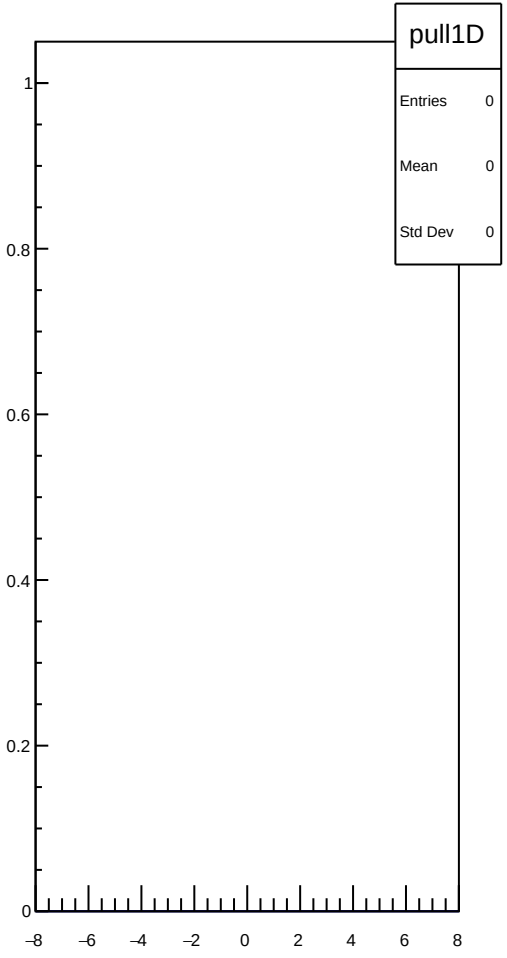

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

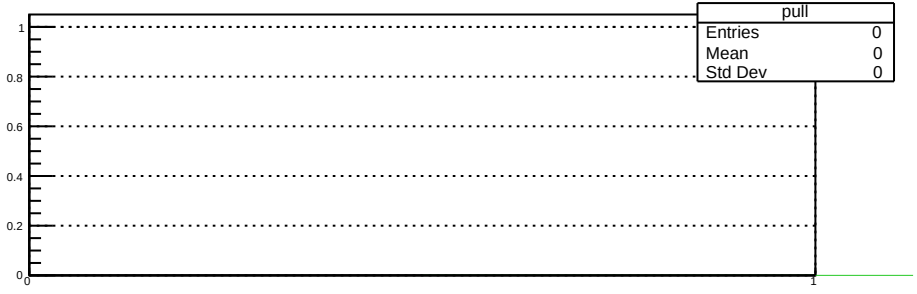

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

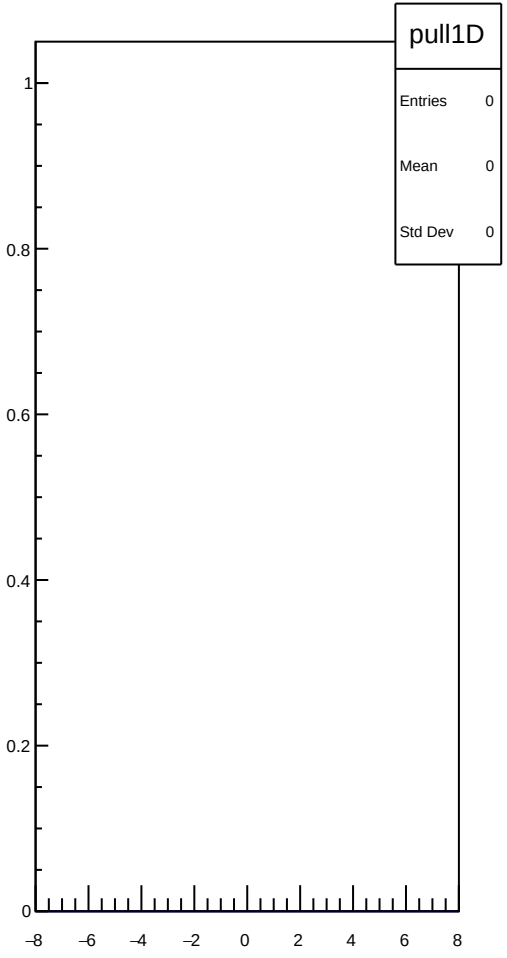

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

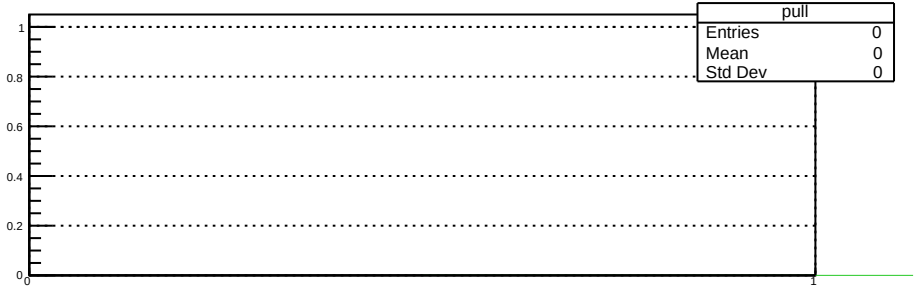

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

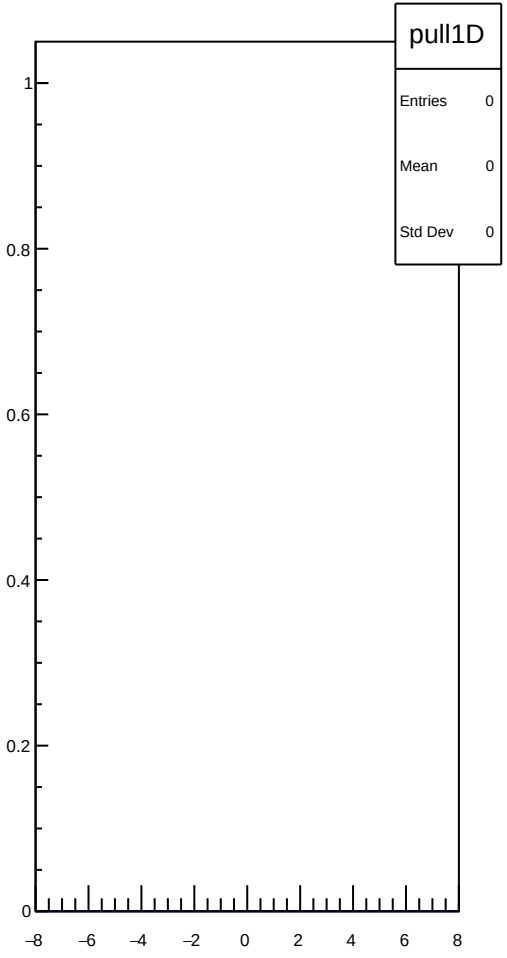

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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0
1

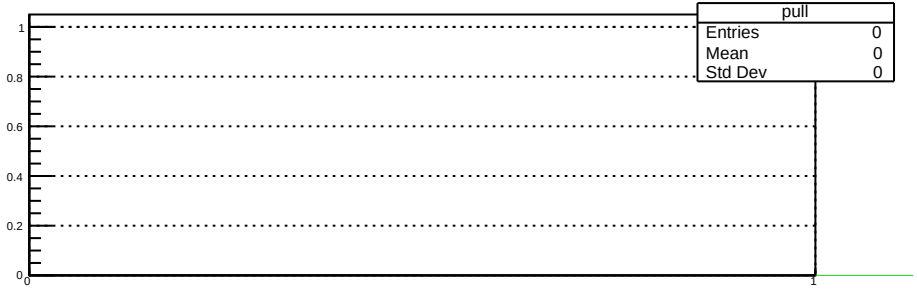

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

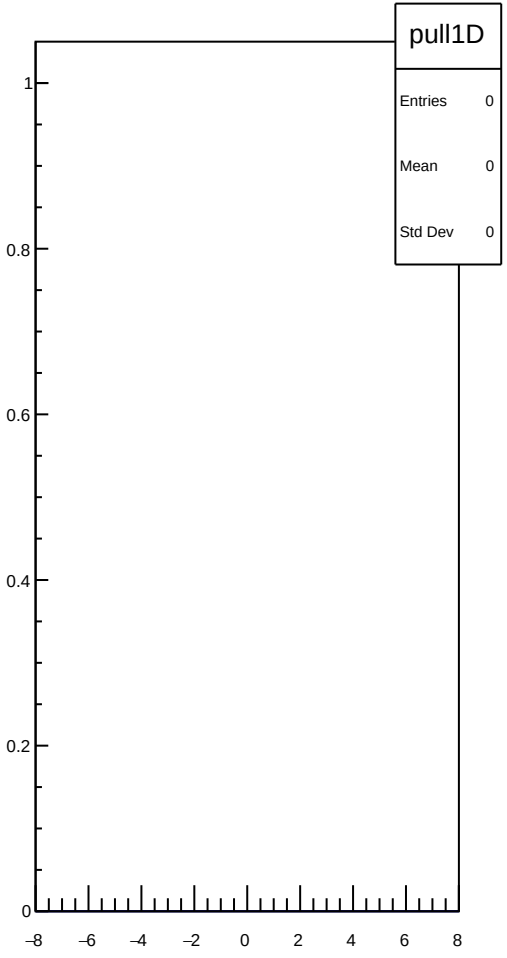

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

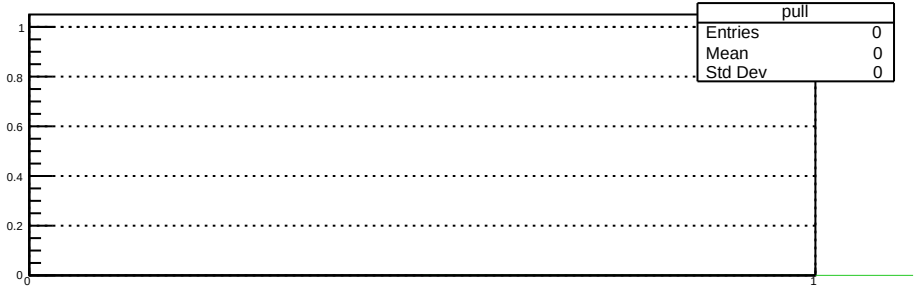

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

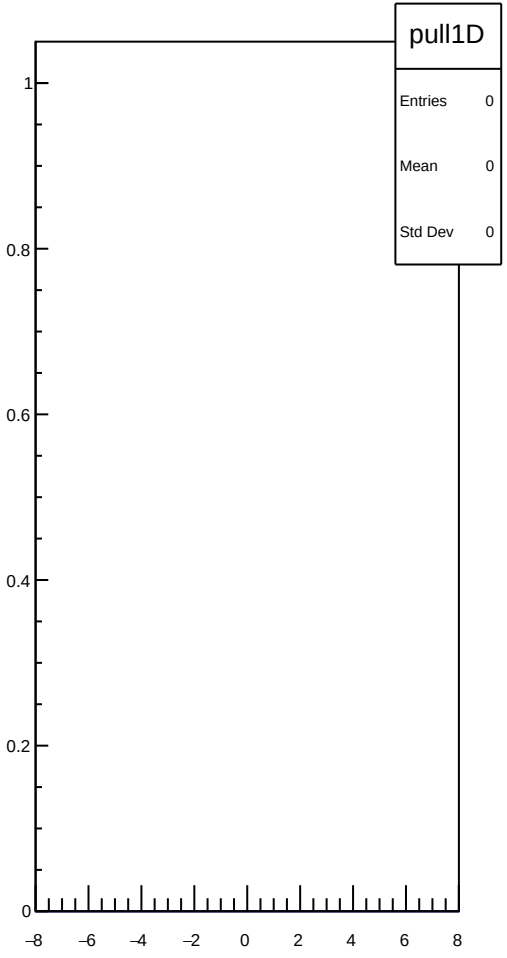

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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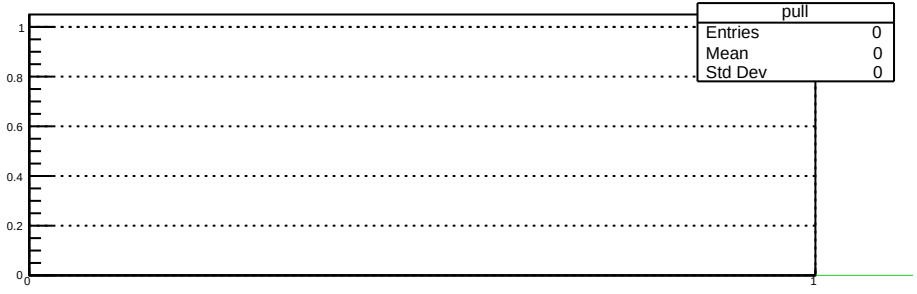

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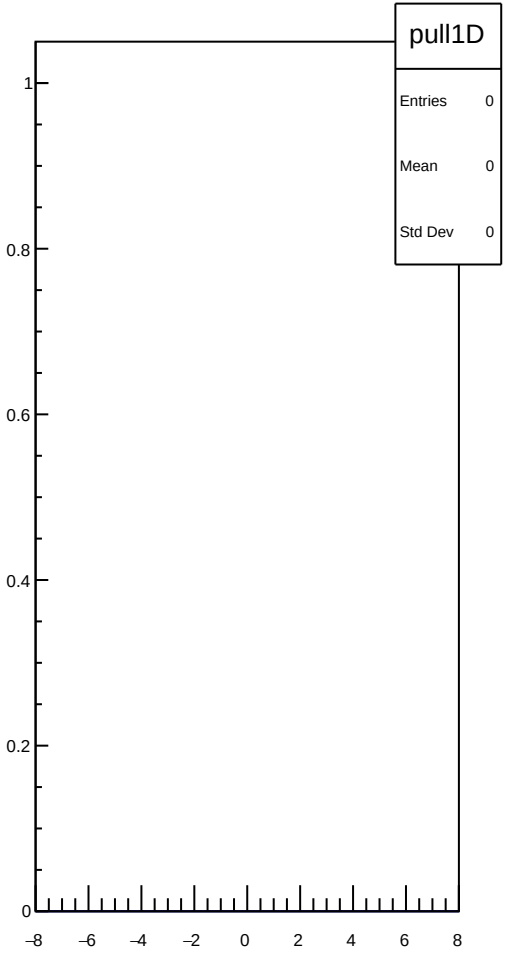

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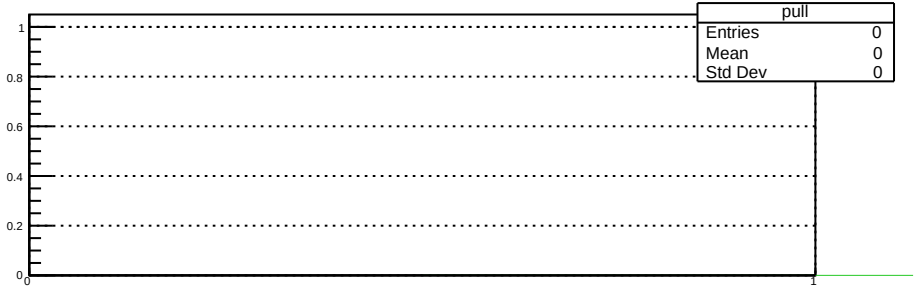

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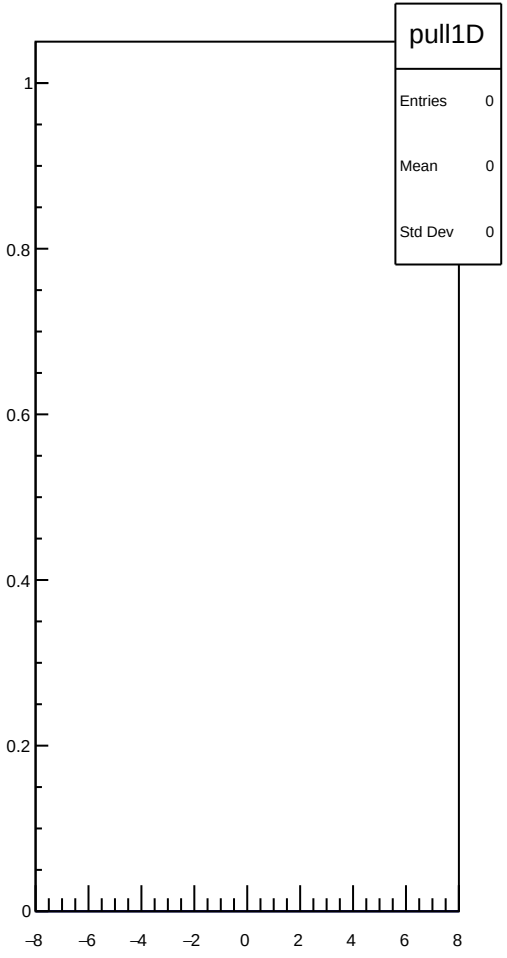

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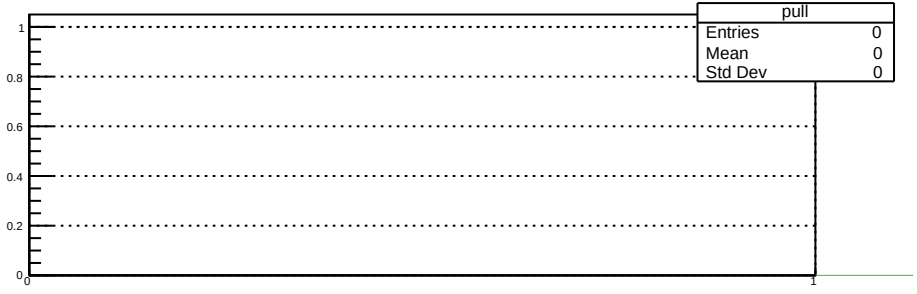

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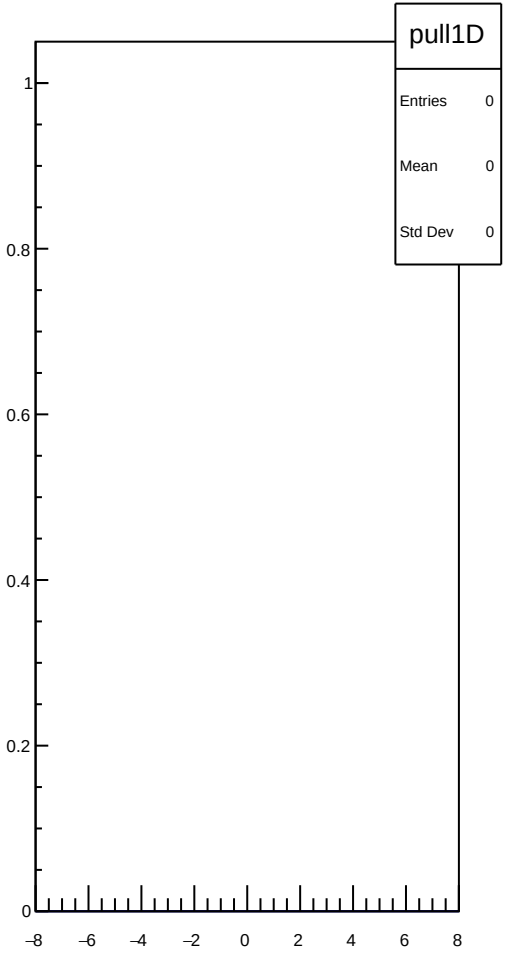

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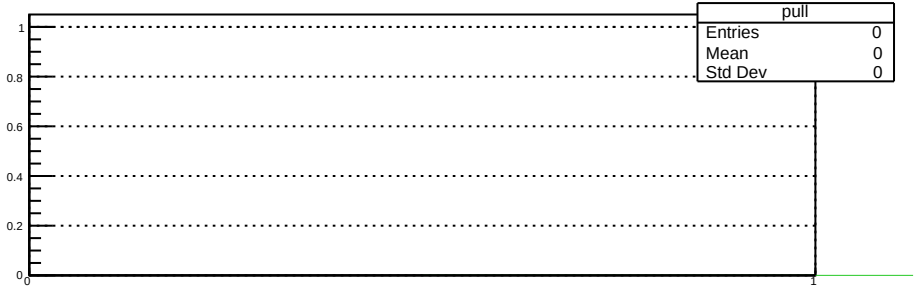

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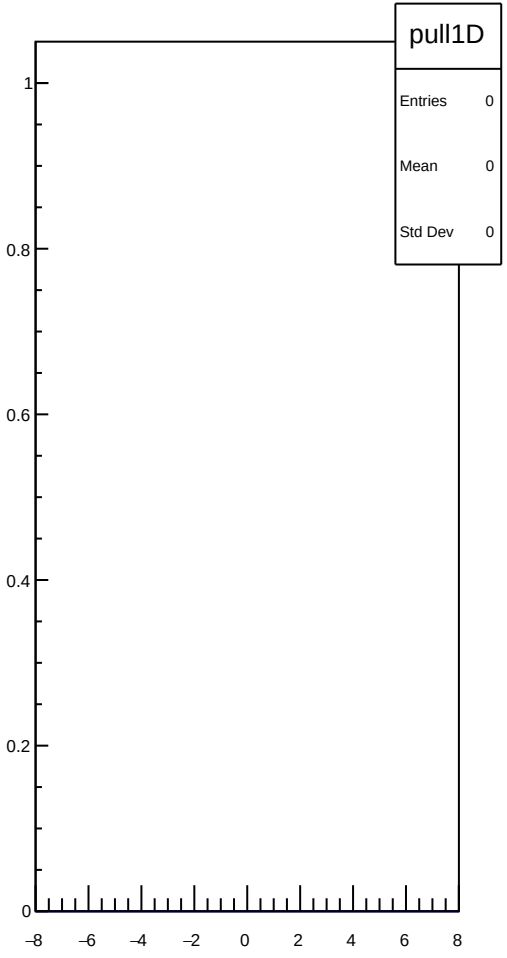

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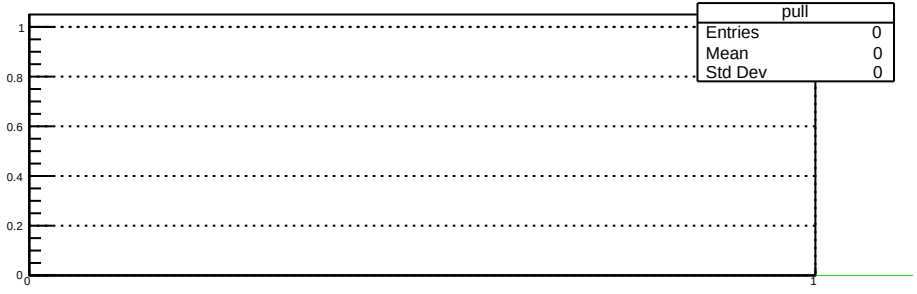

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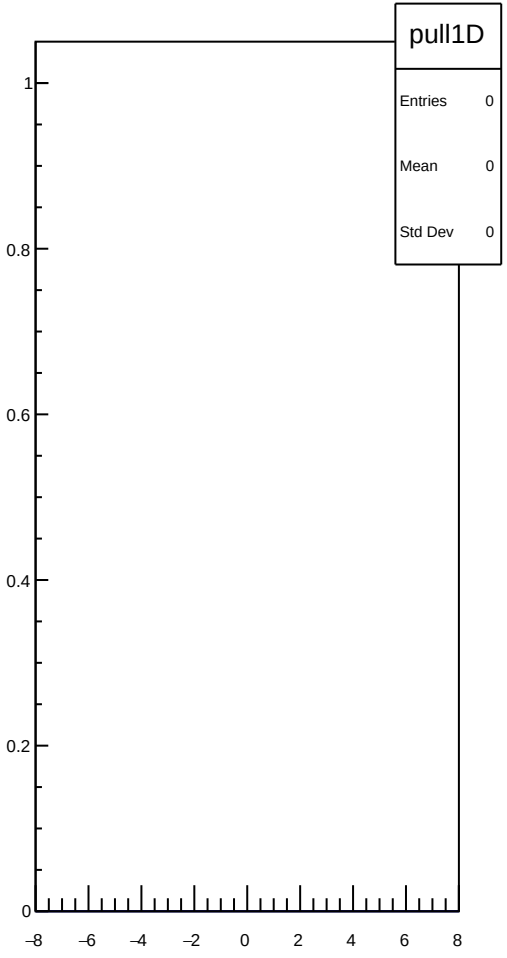

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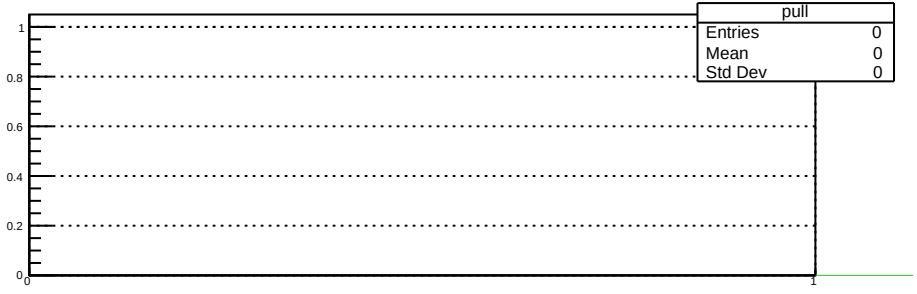

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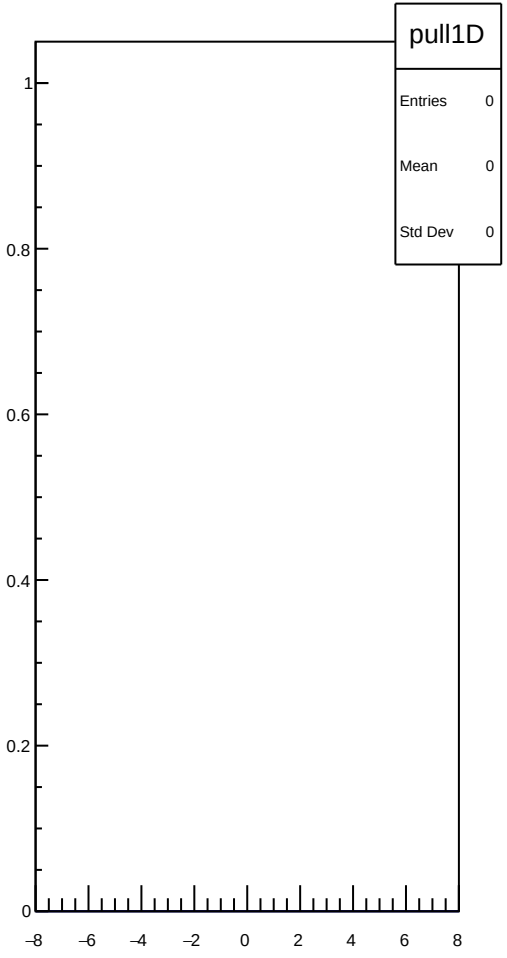

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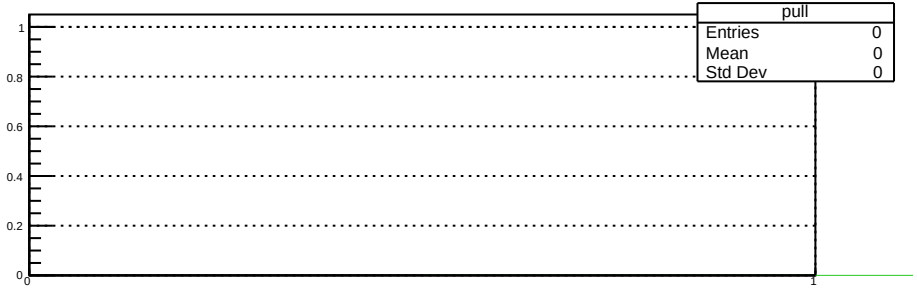

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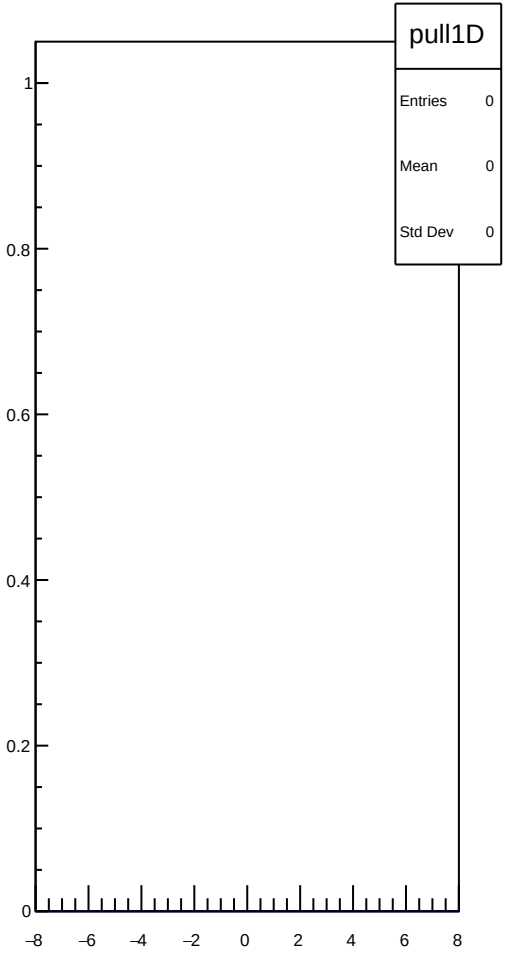

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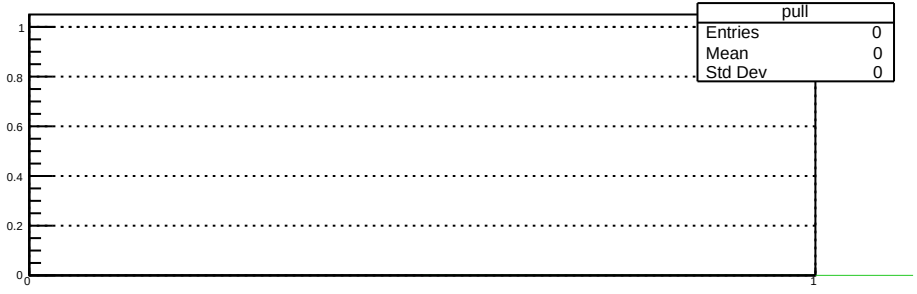

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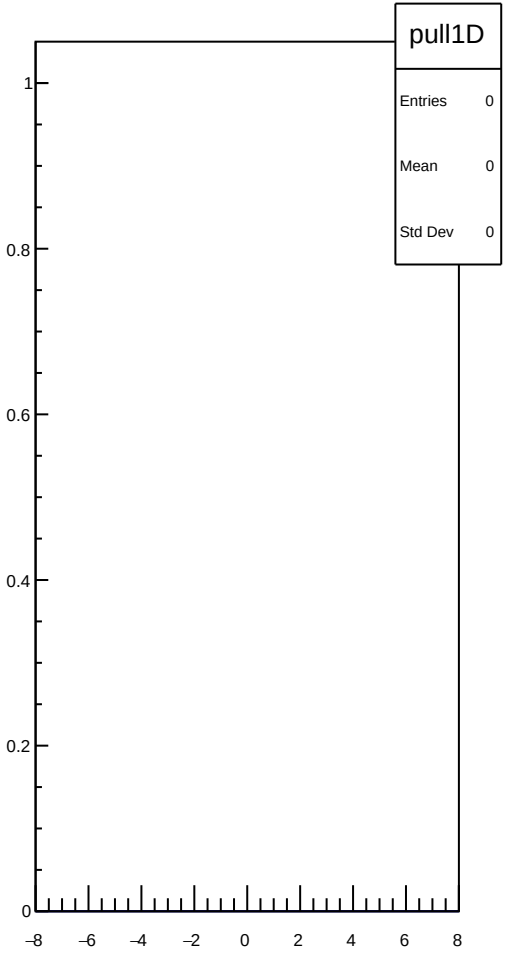

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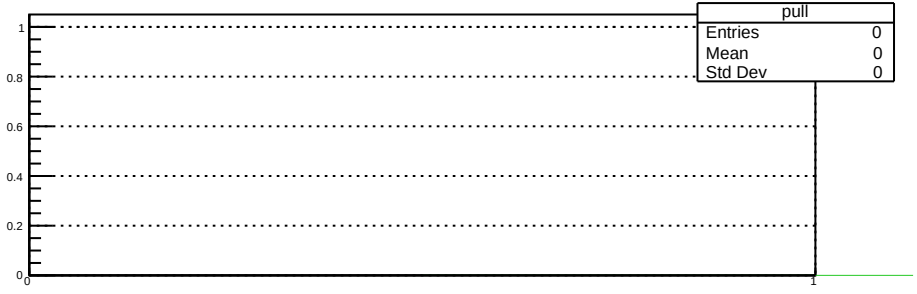

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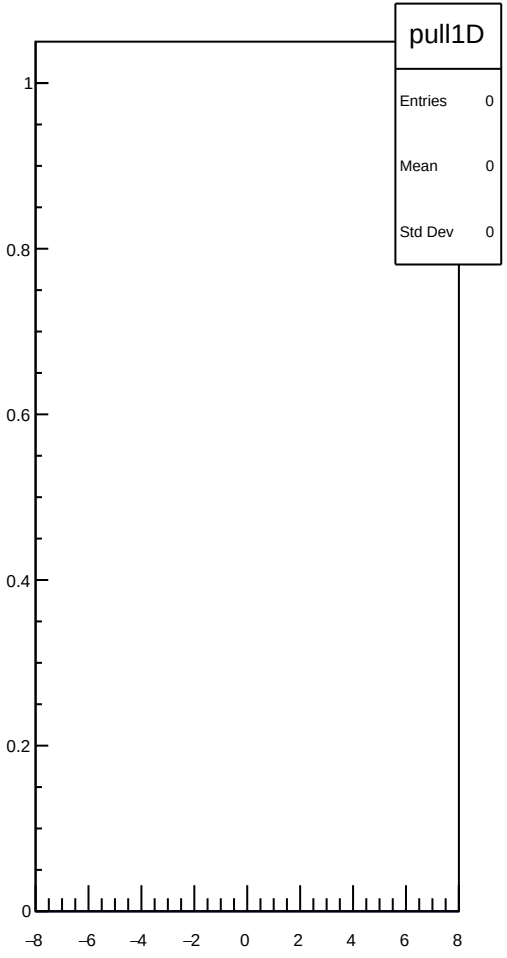

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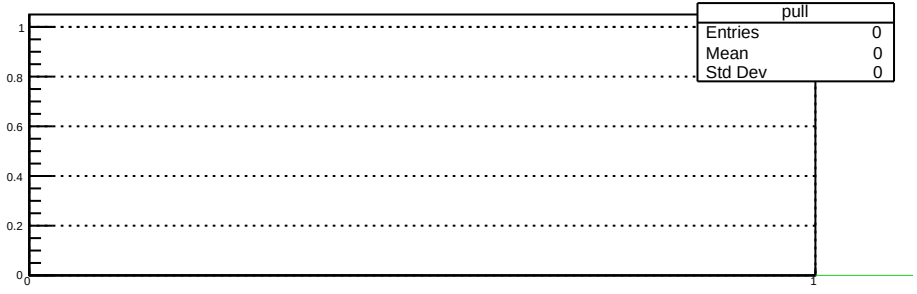

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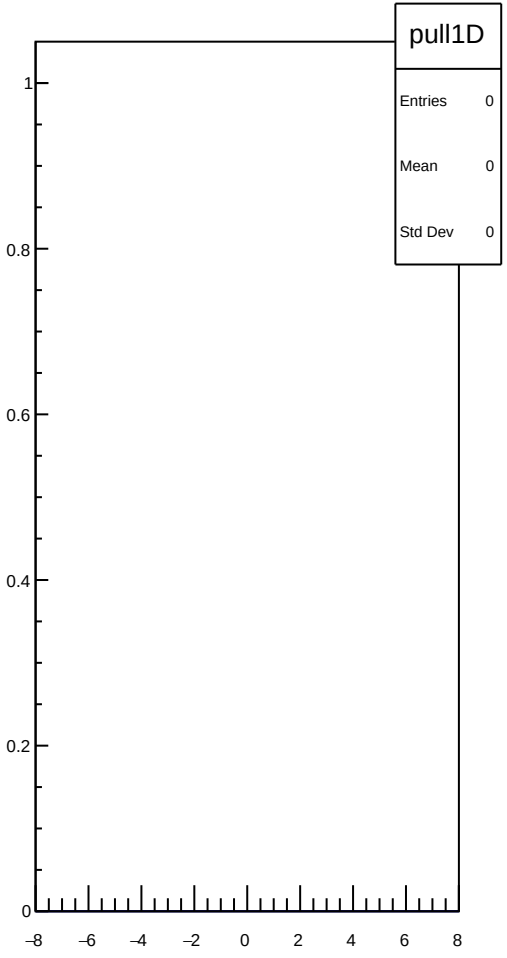

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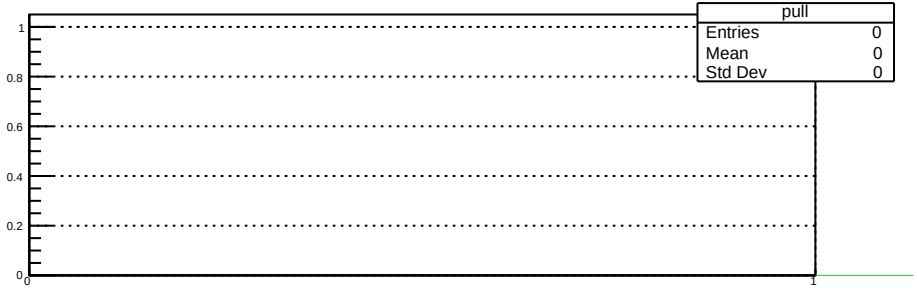

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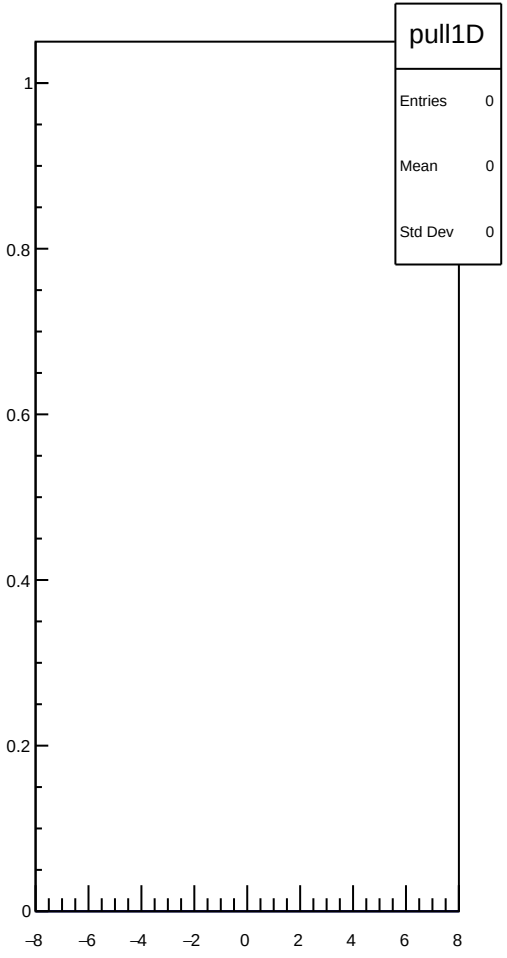

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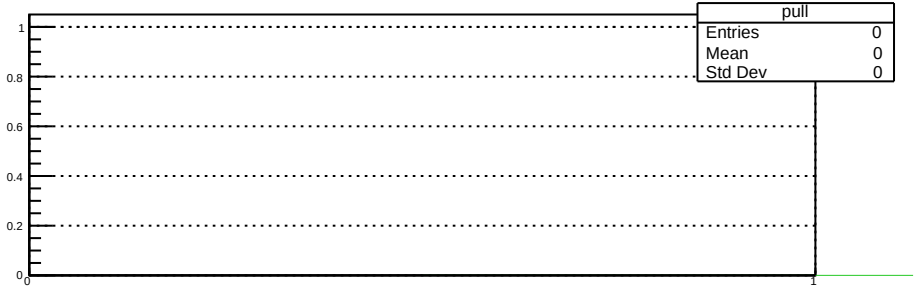

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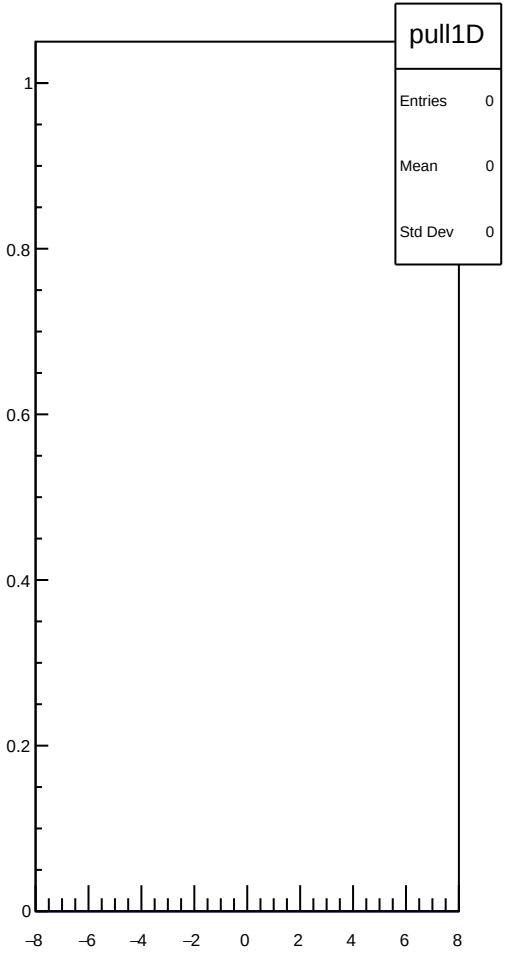

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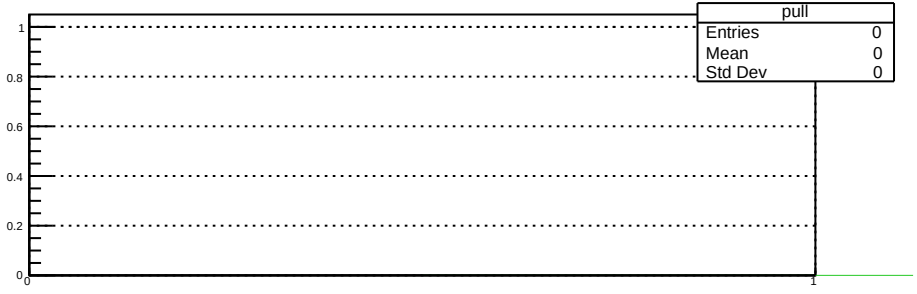

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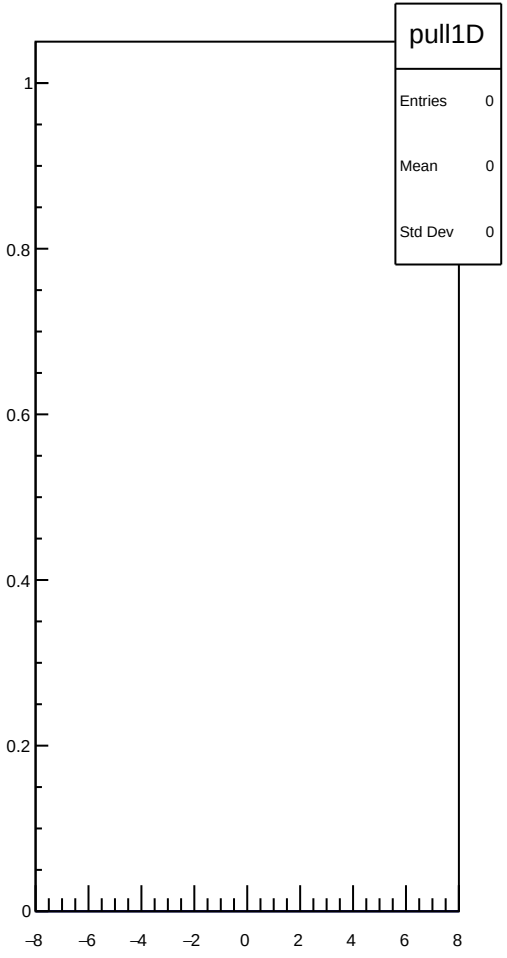

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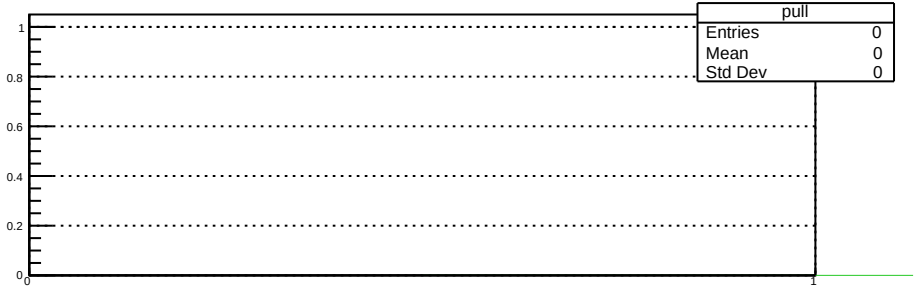

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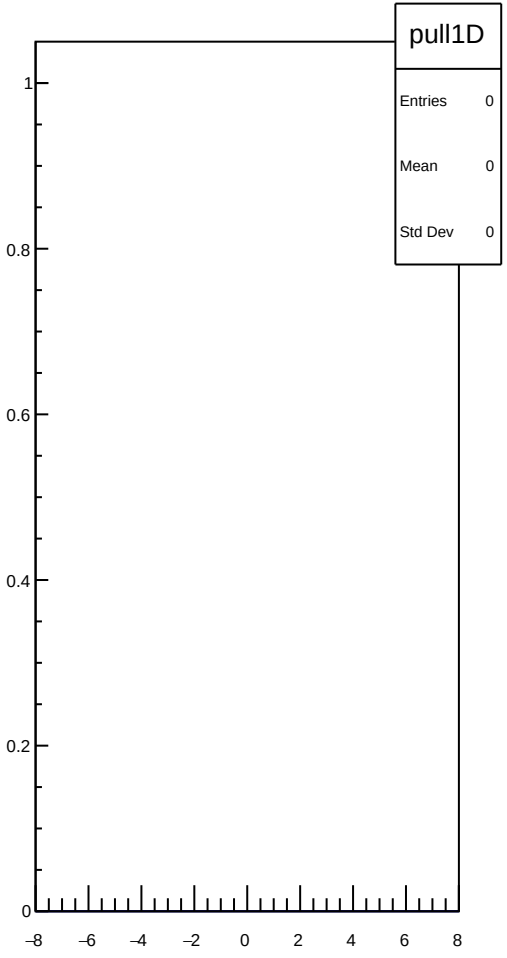

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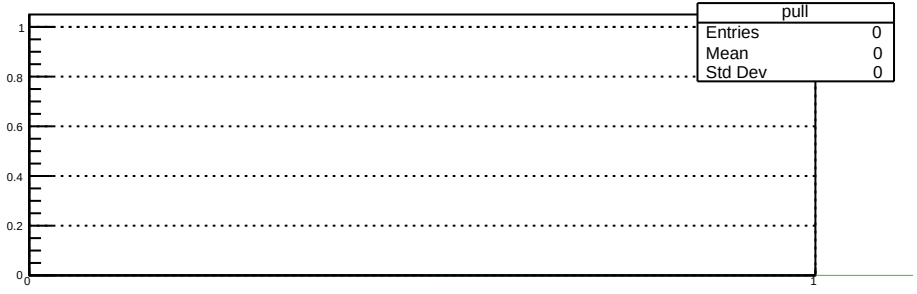

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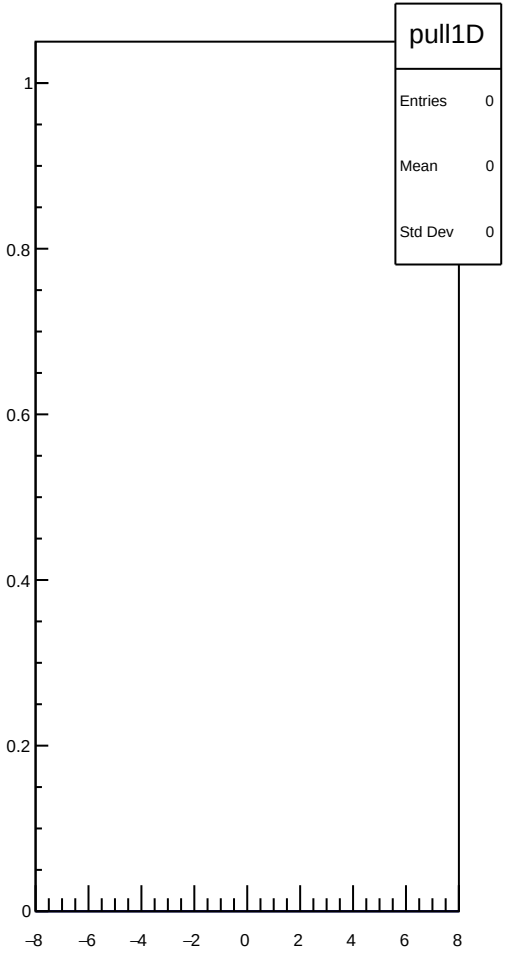

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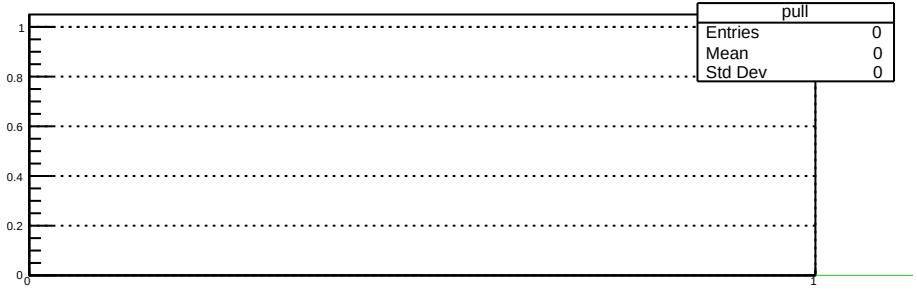

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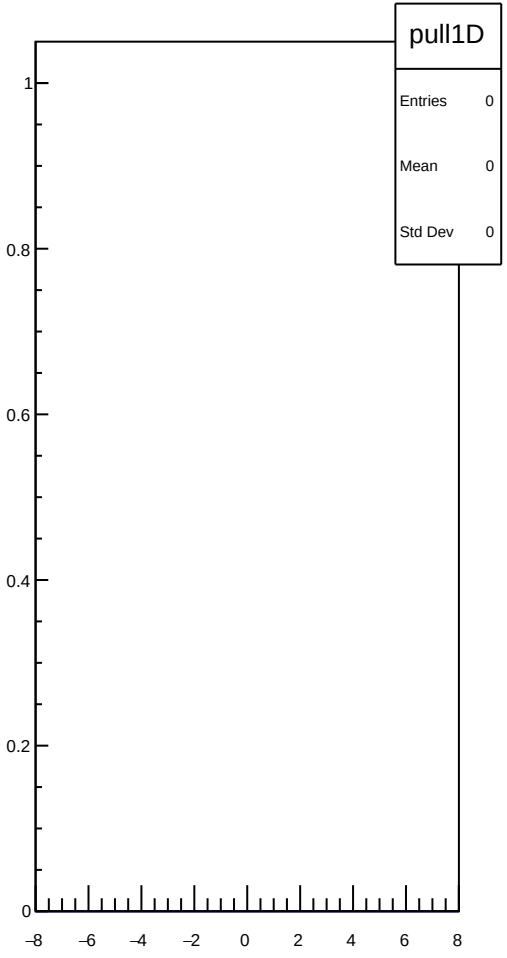

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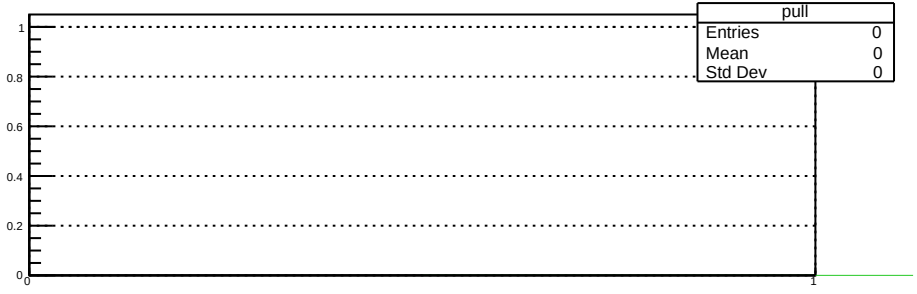

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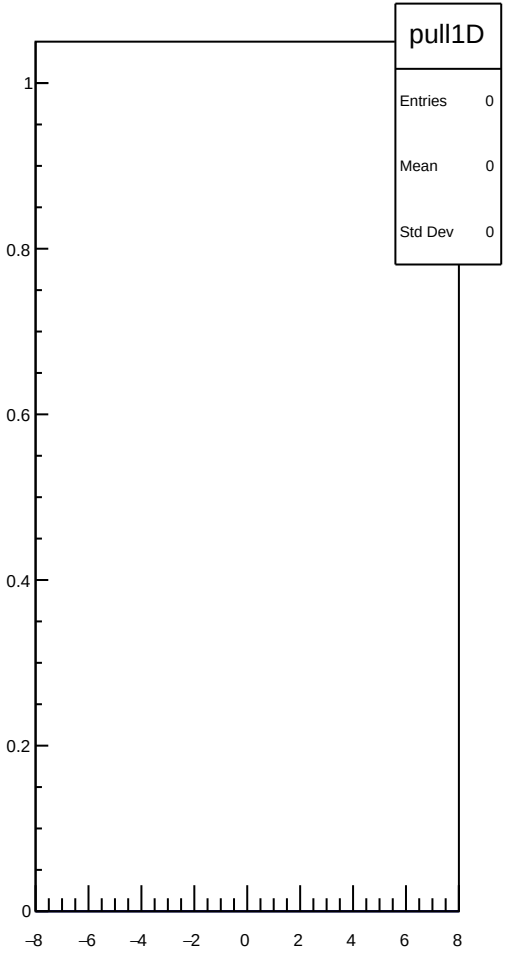

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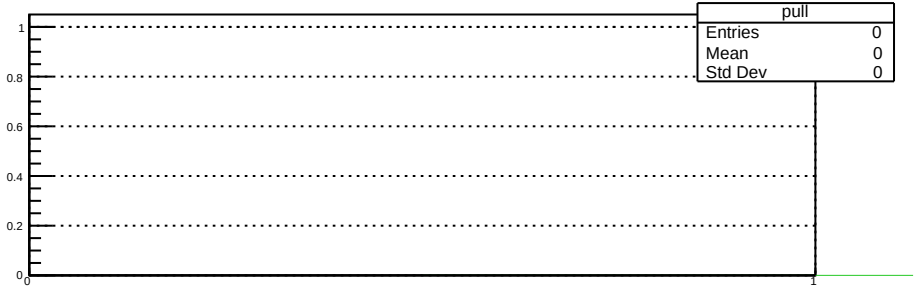

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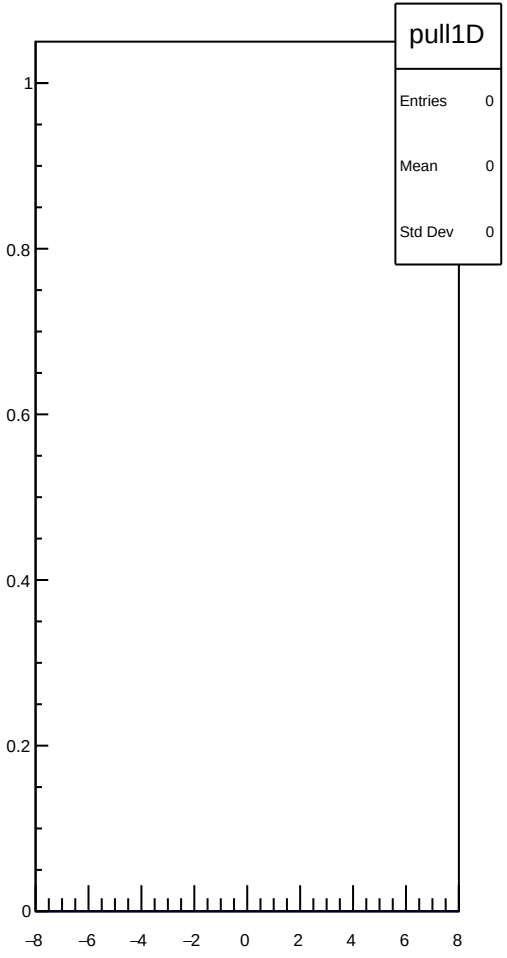

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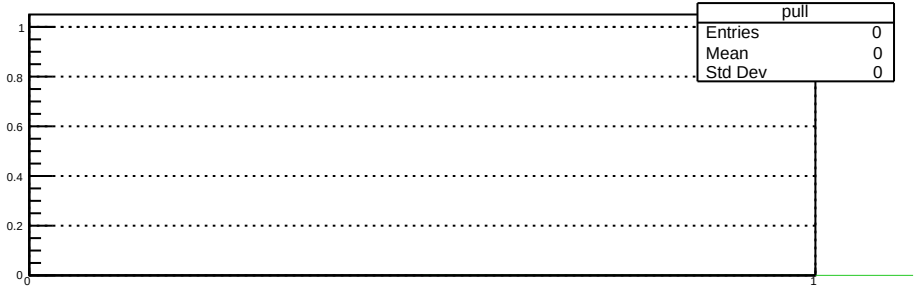

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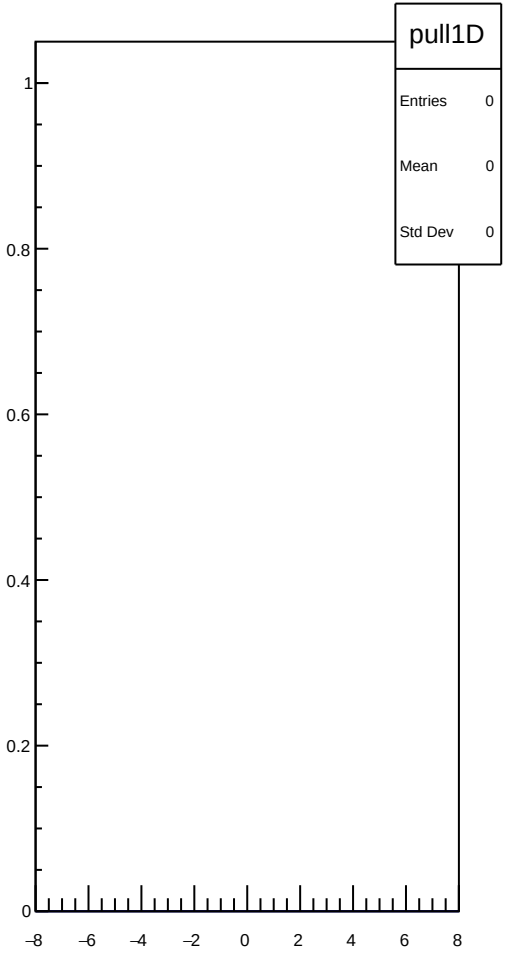

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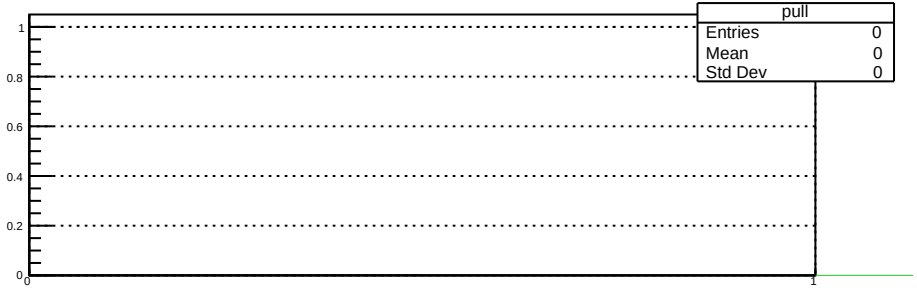

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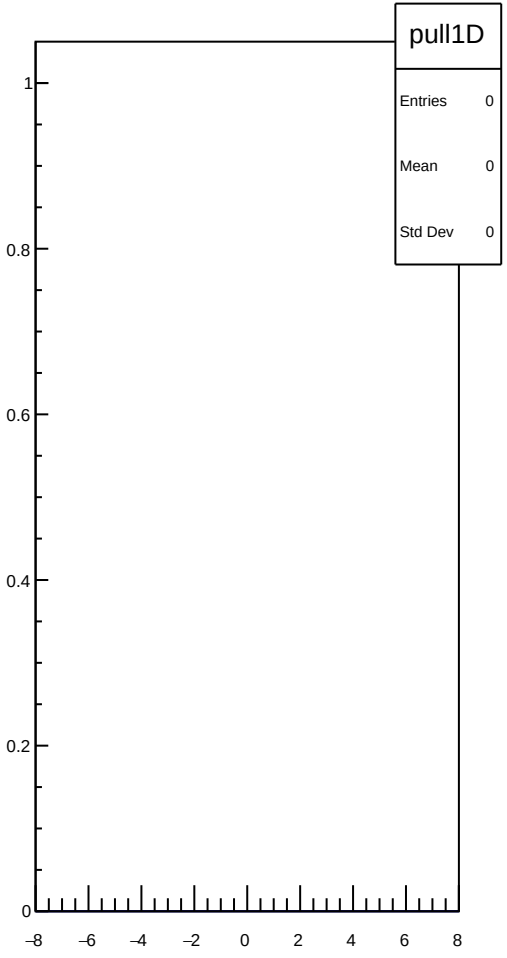

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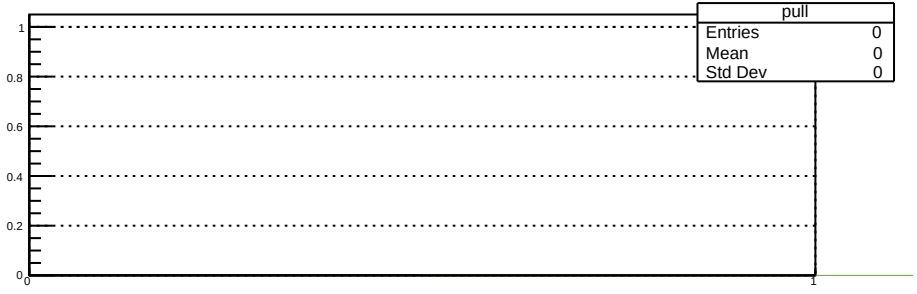

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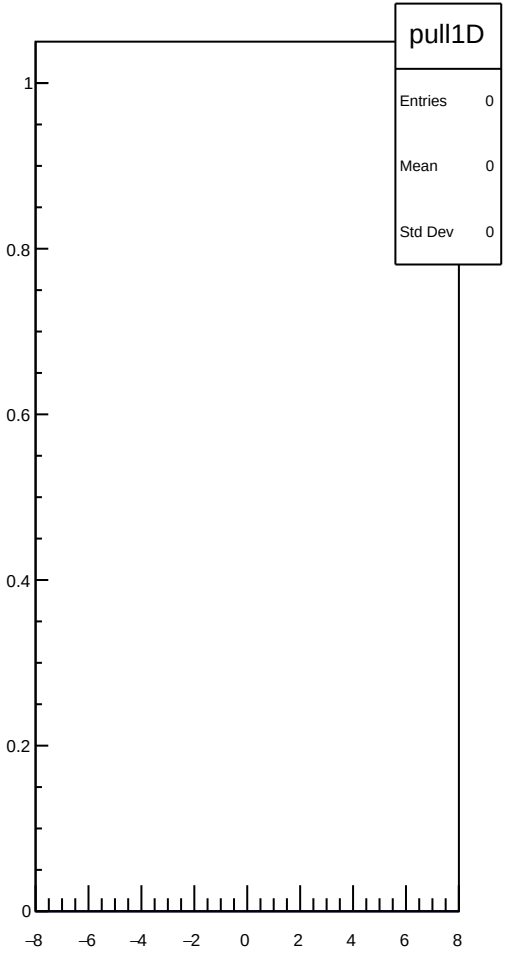

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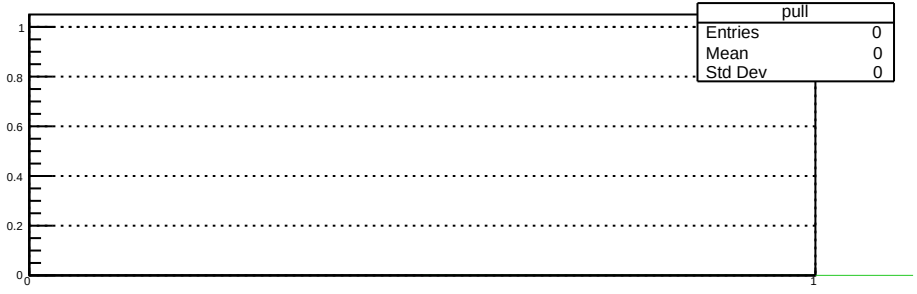

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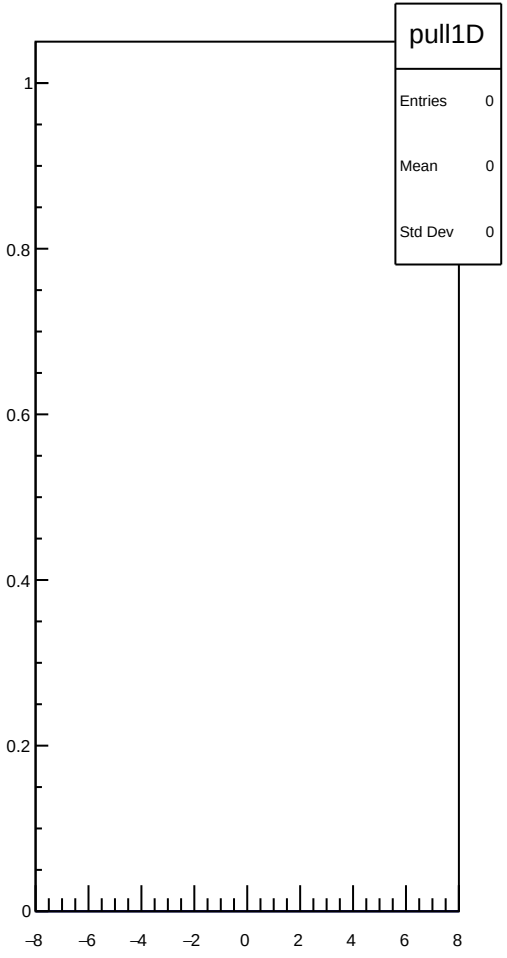

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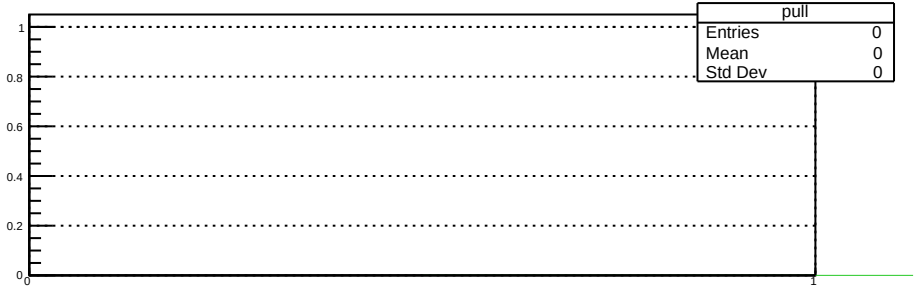

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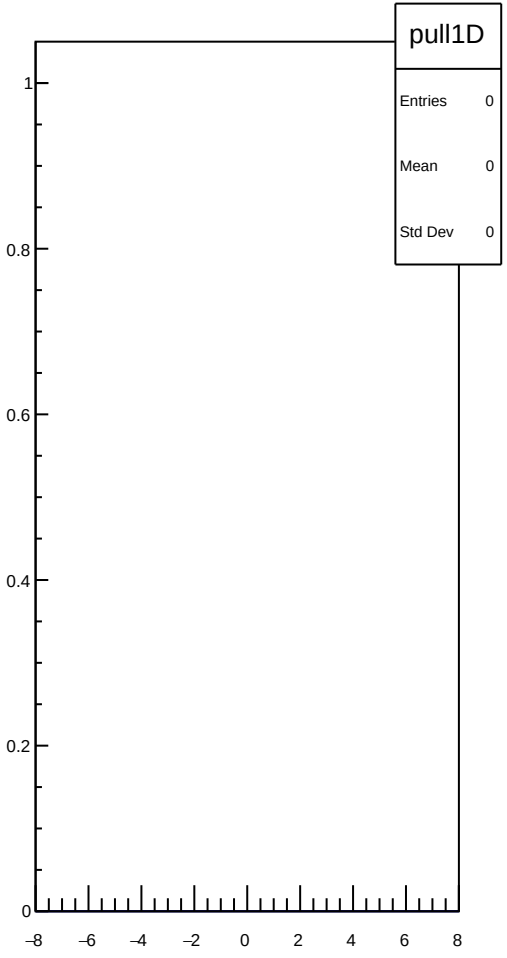

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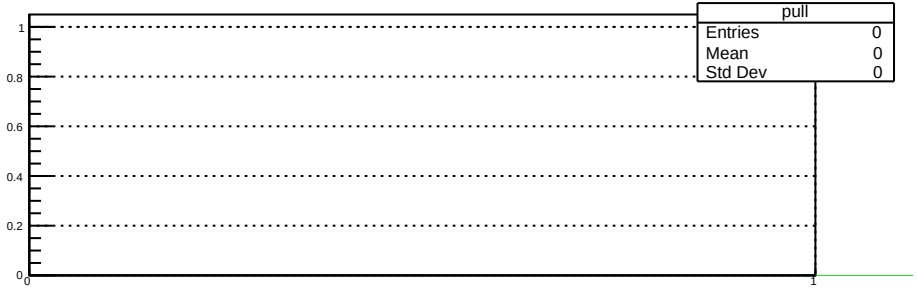

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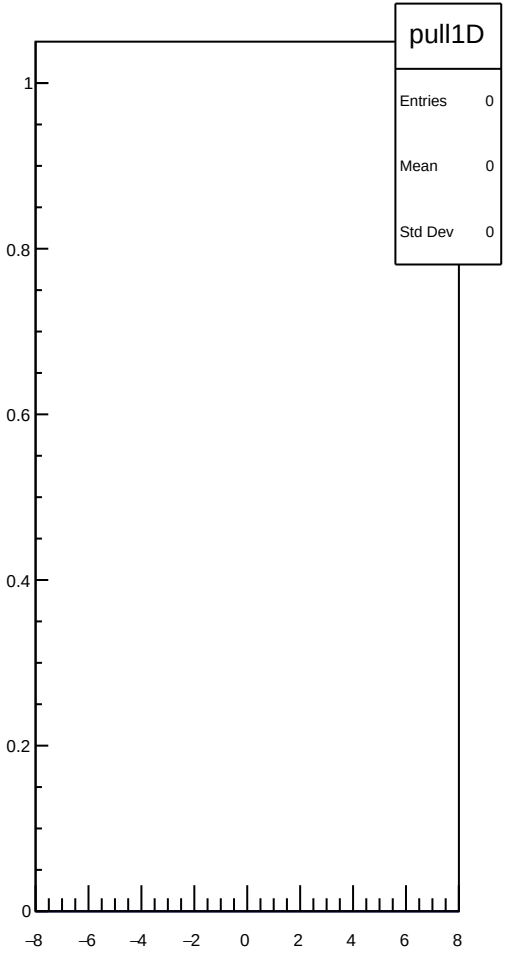

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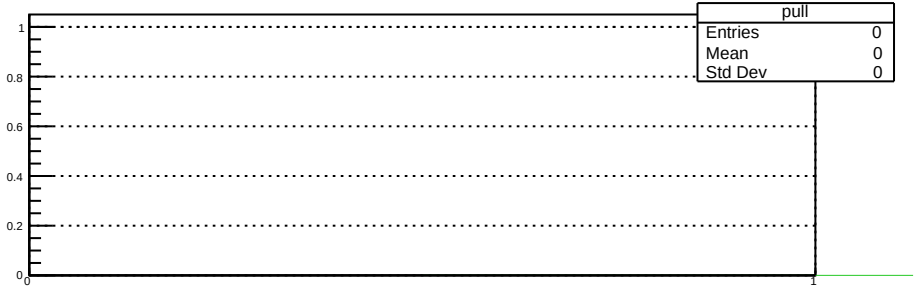

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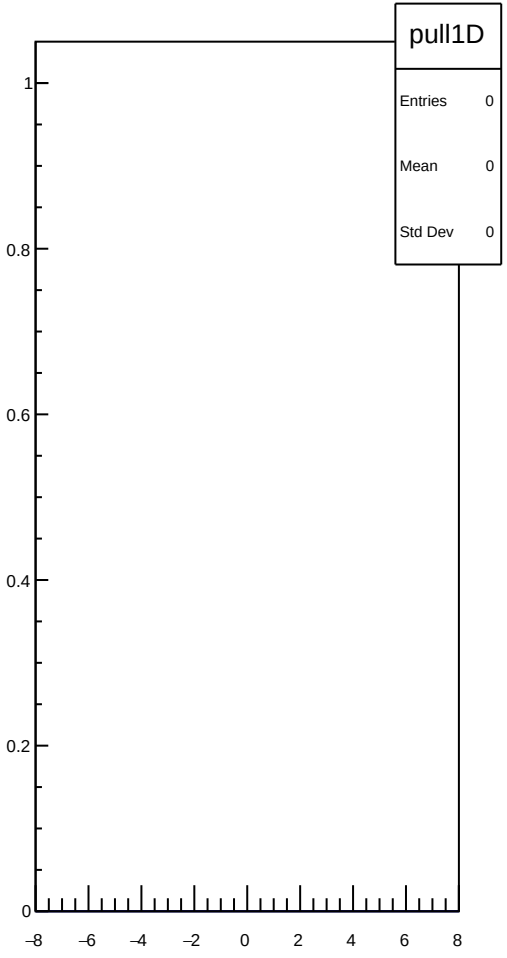

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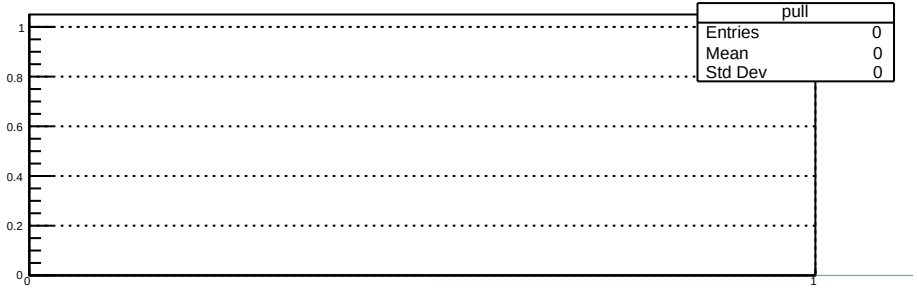

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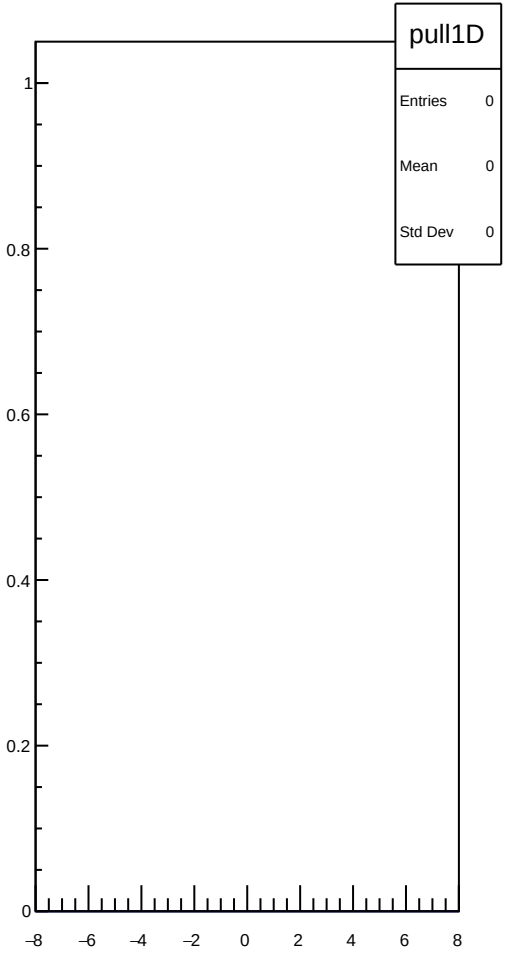

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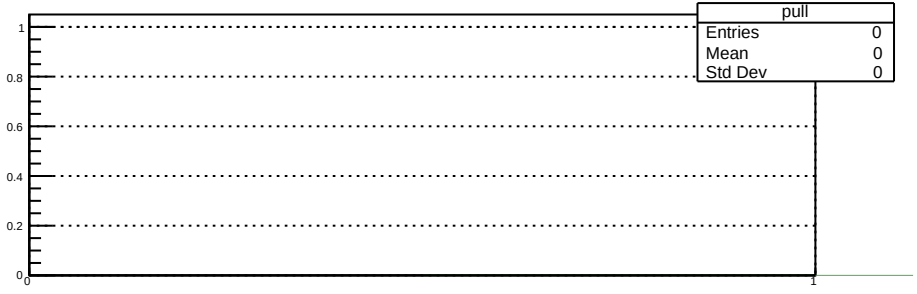

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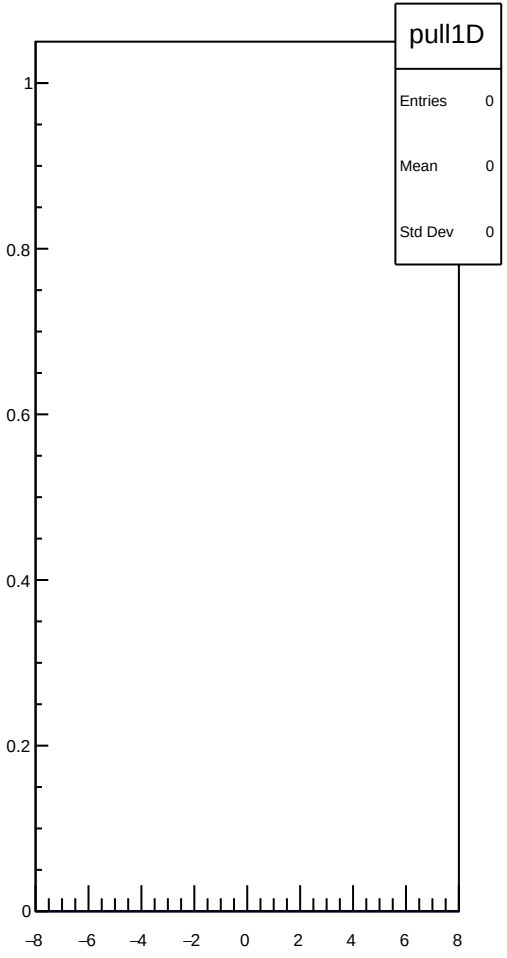

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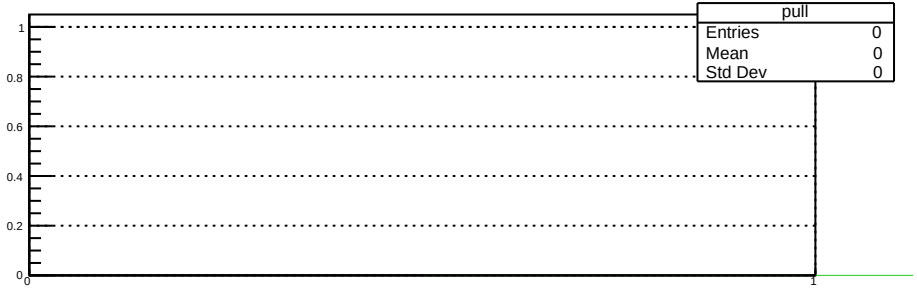

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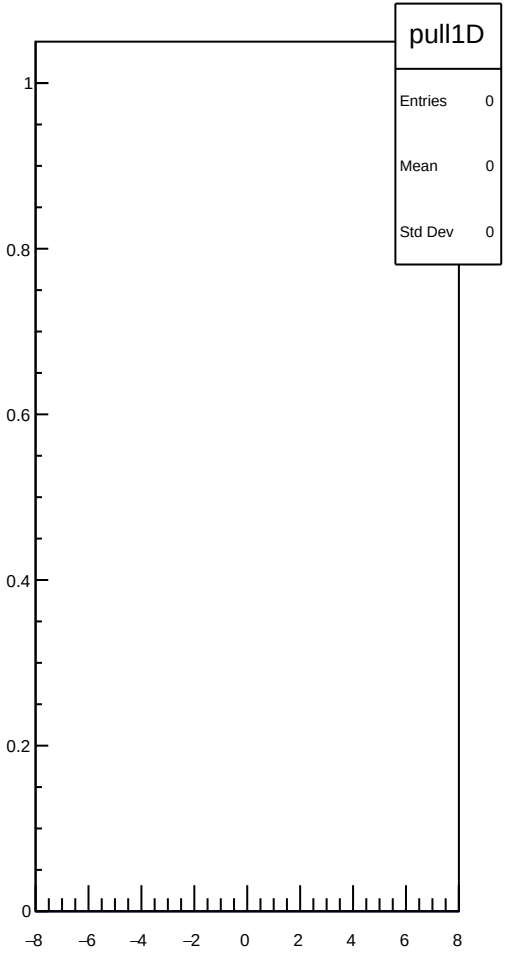

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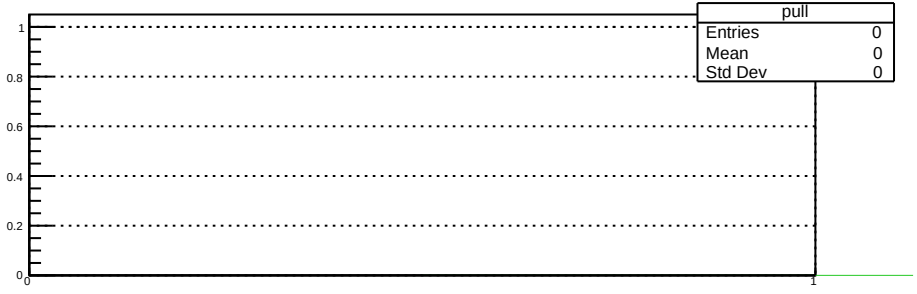

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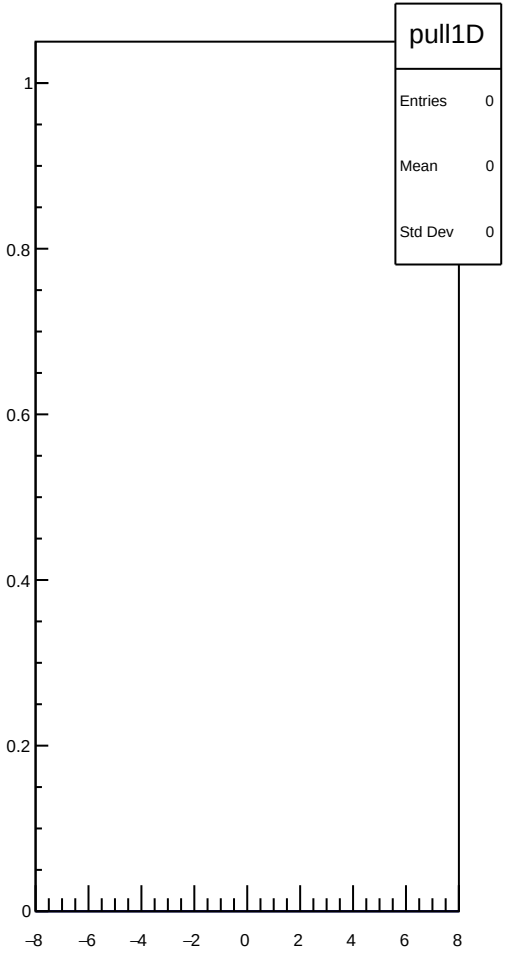

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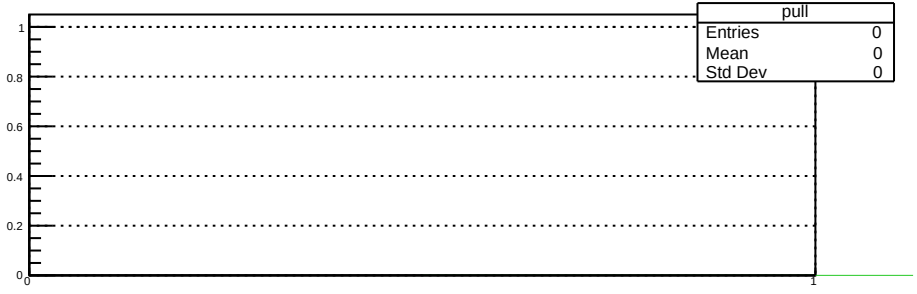

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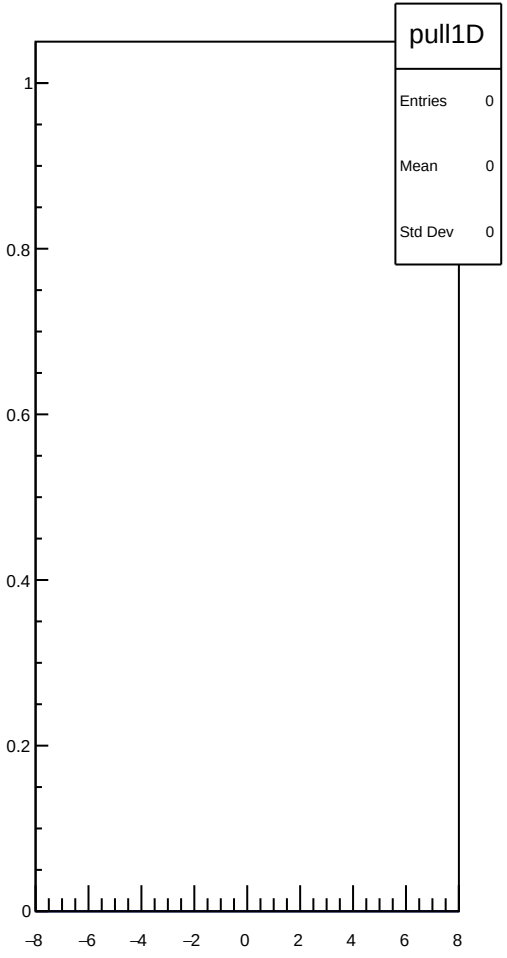

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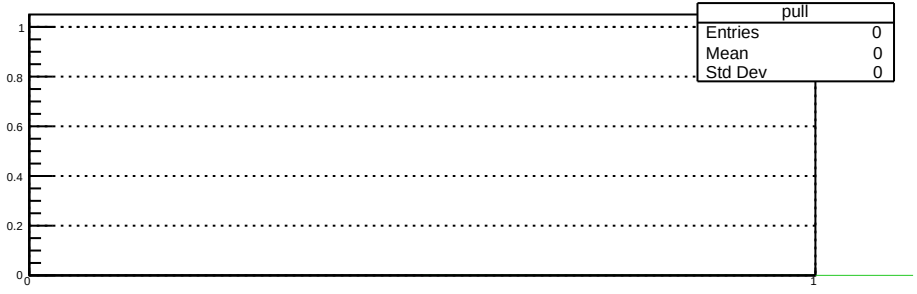

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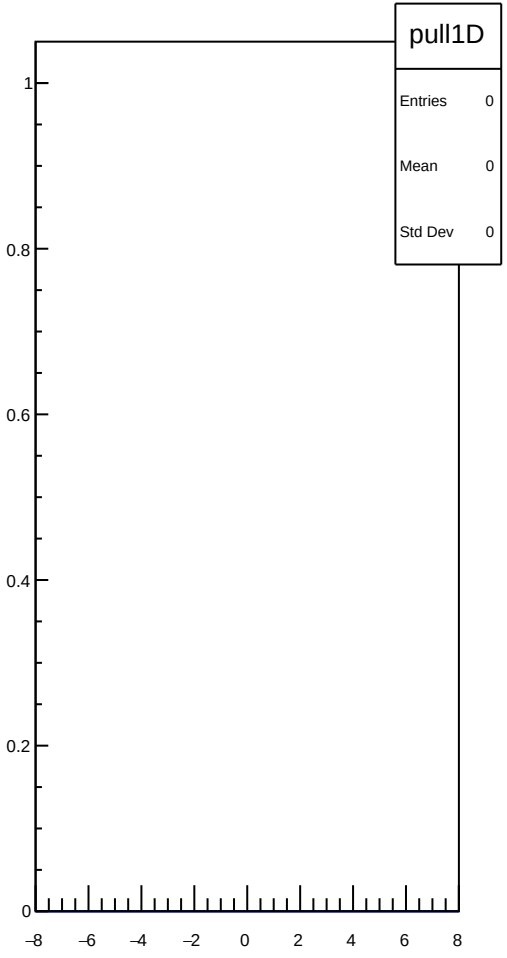

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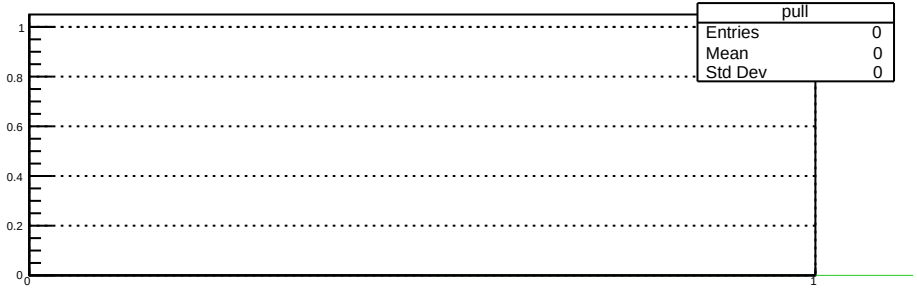

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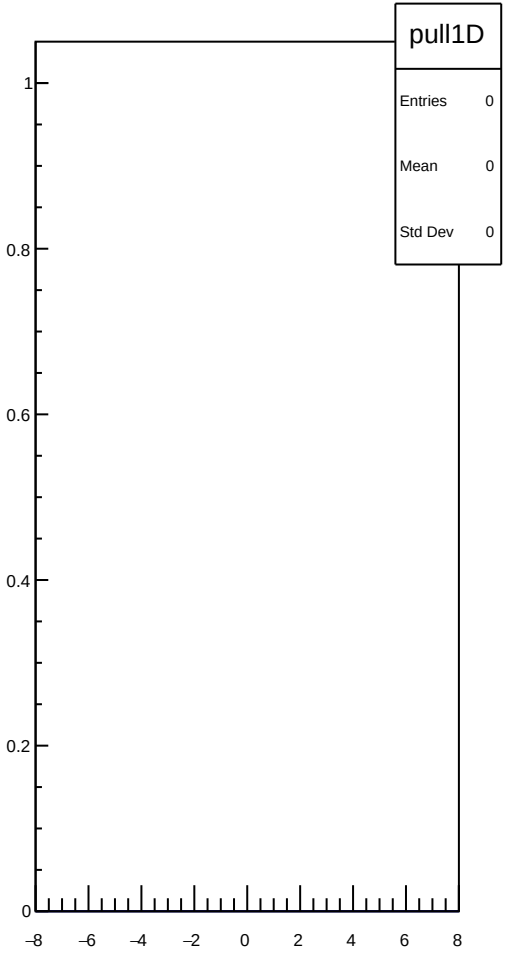

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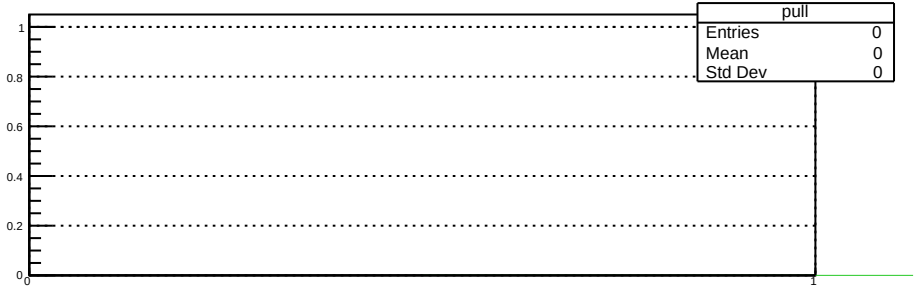

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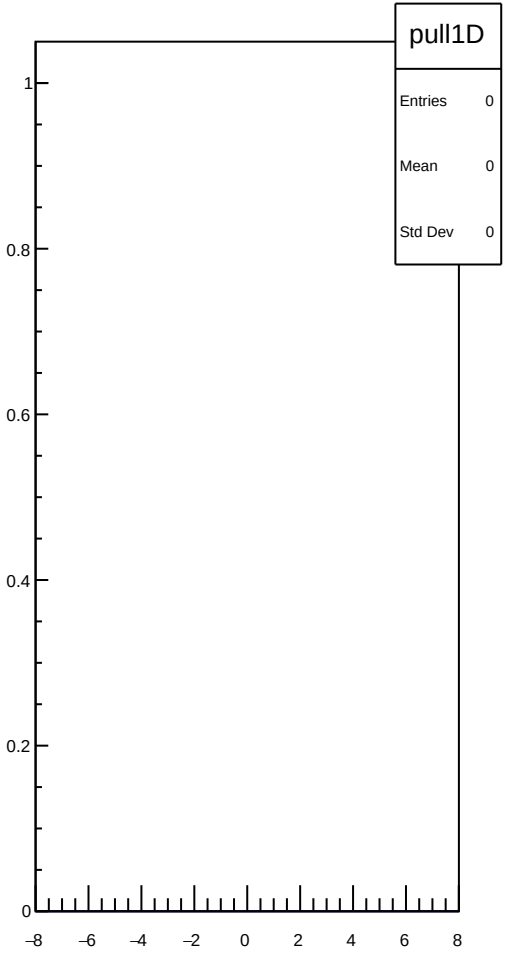

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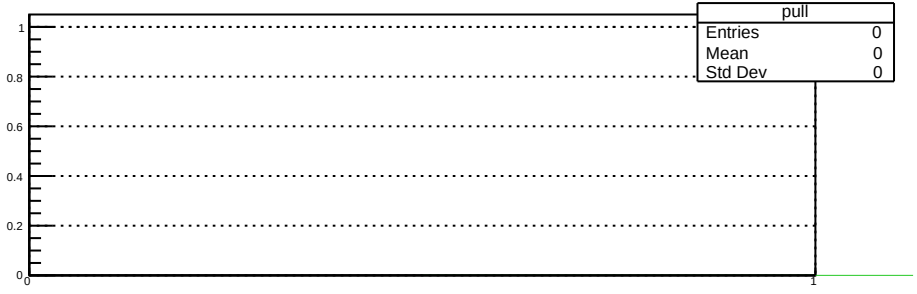

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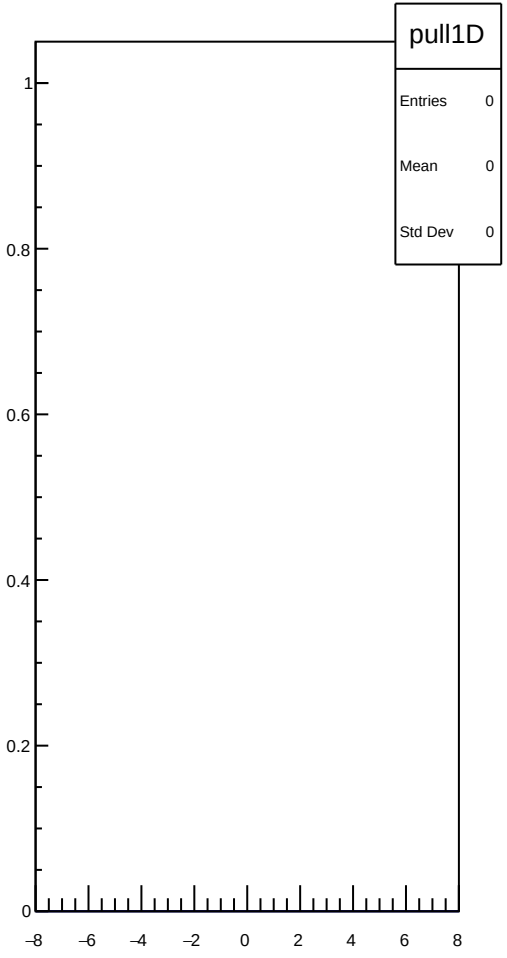

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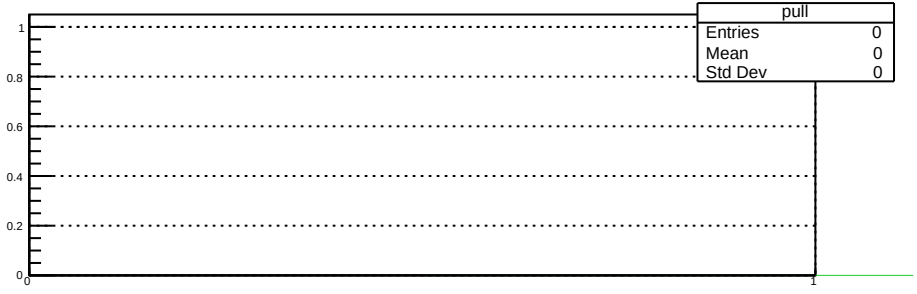

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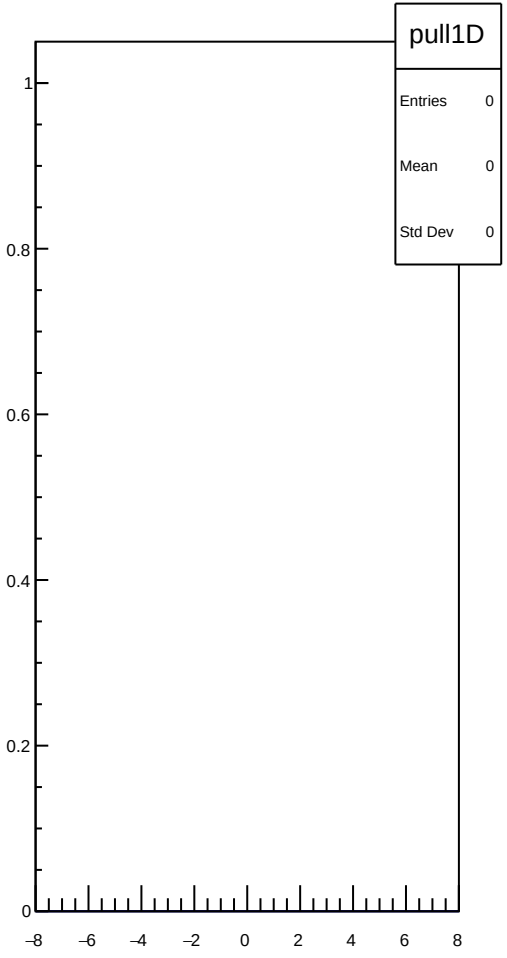

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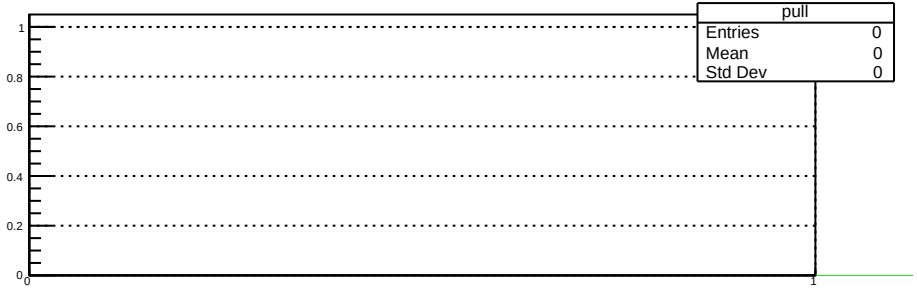

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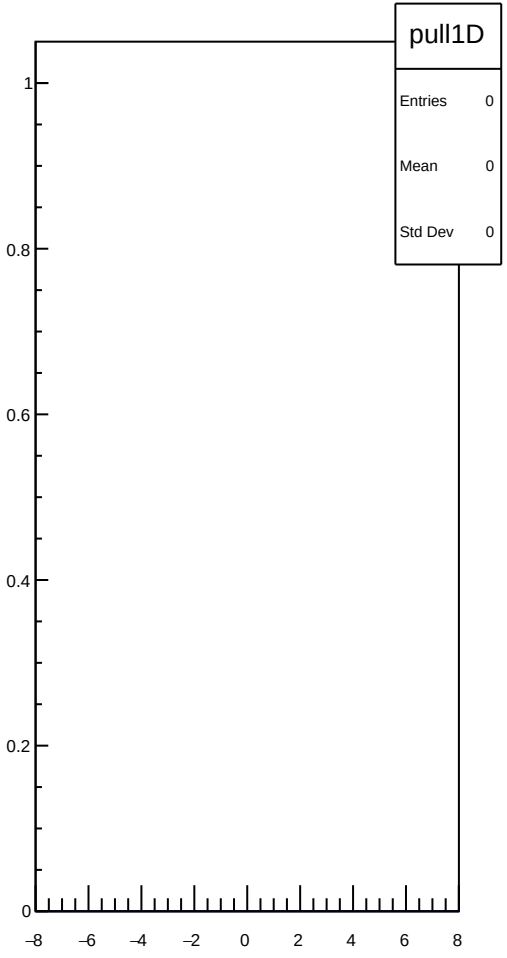

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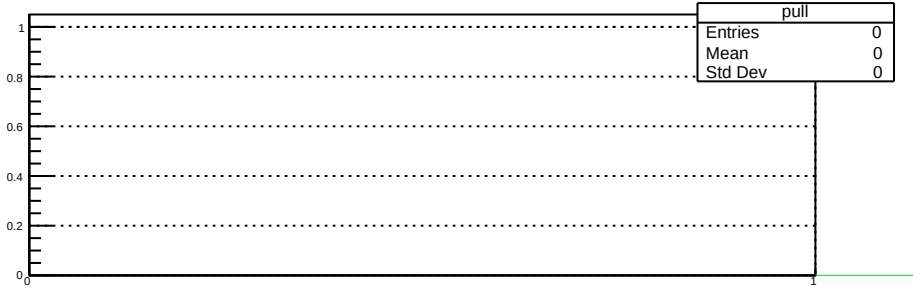

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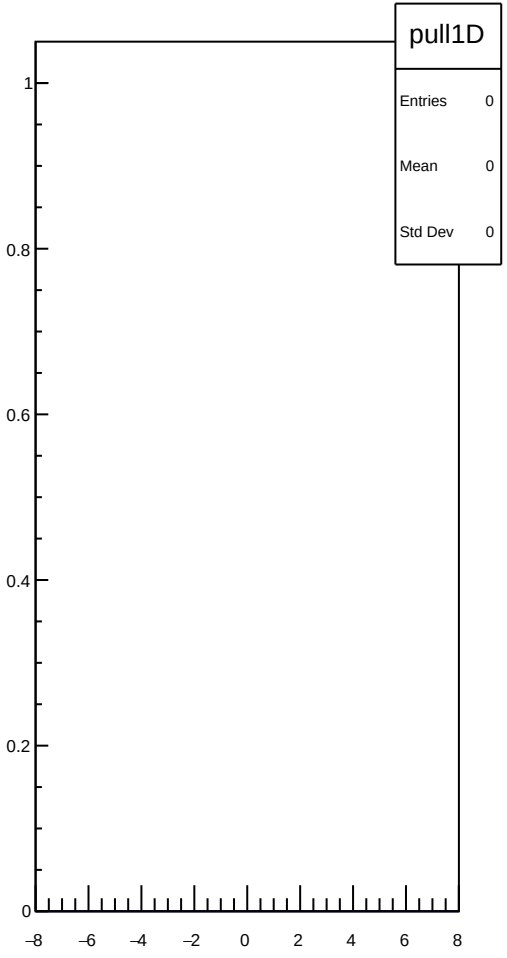

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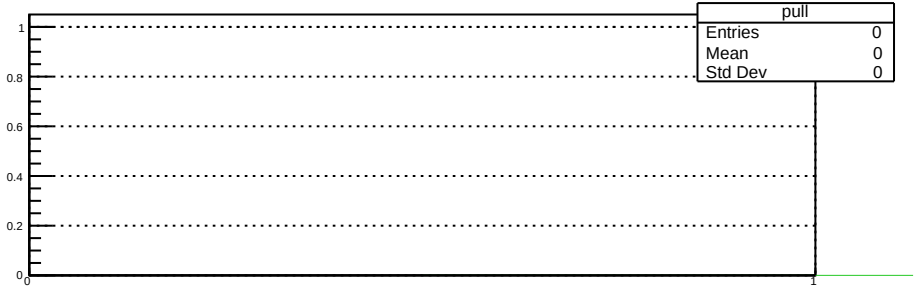

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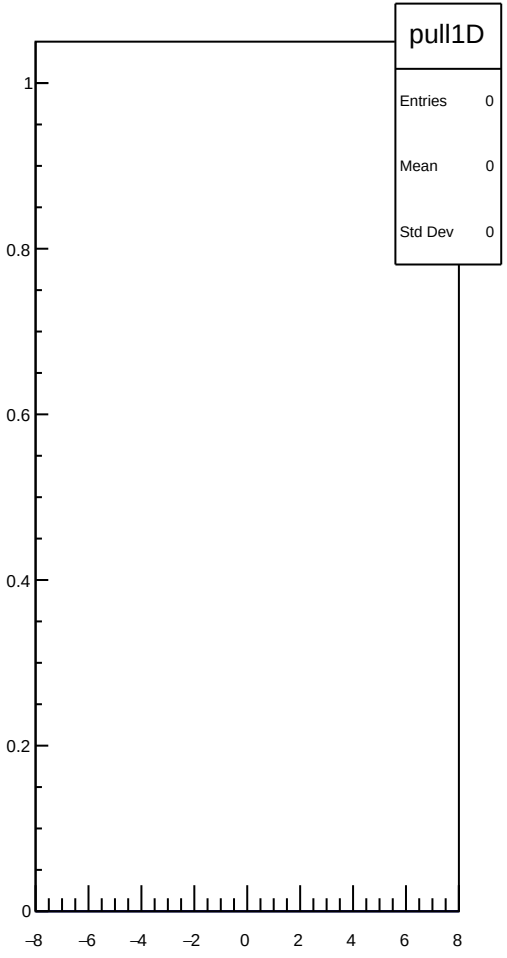

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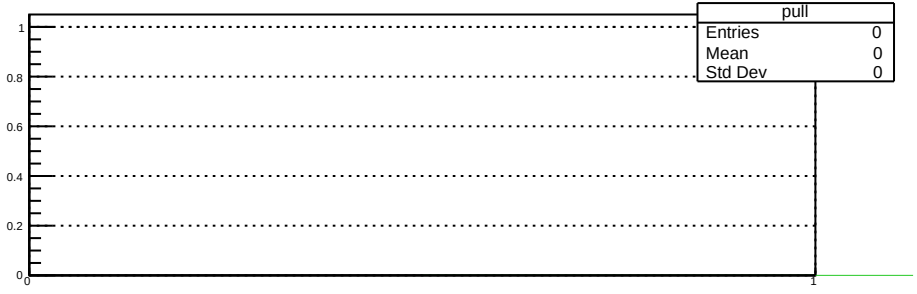

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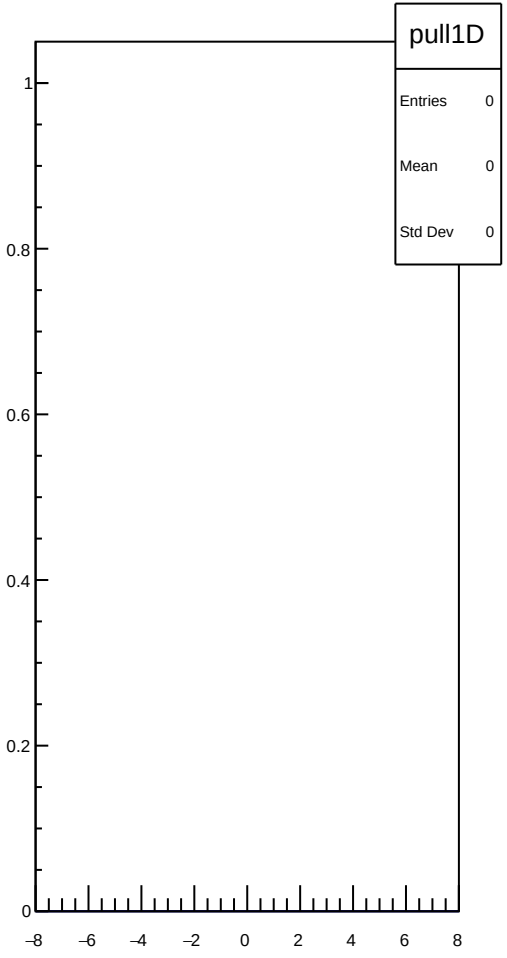

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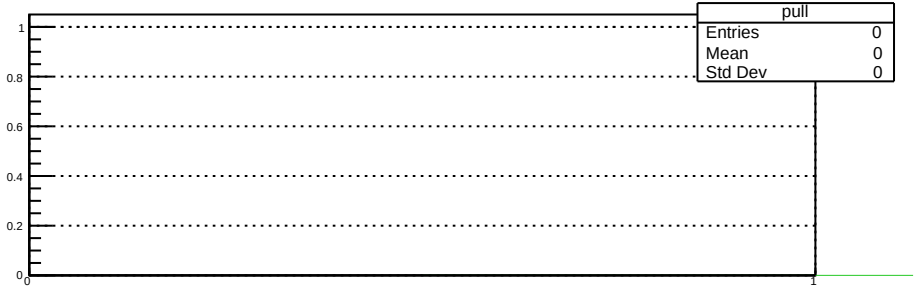

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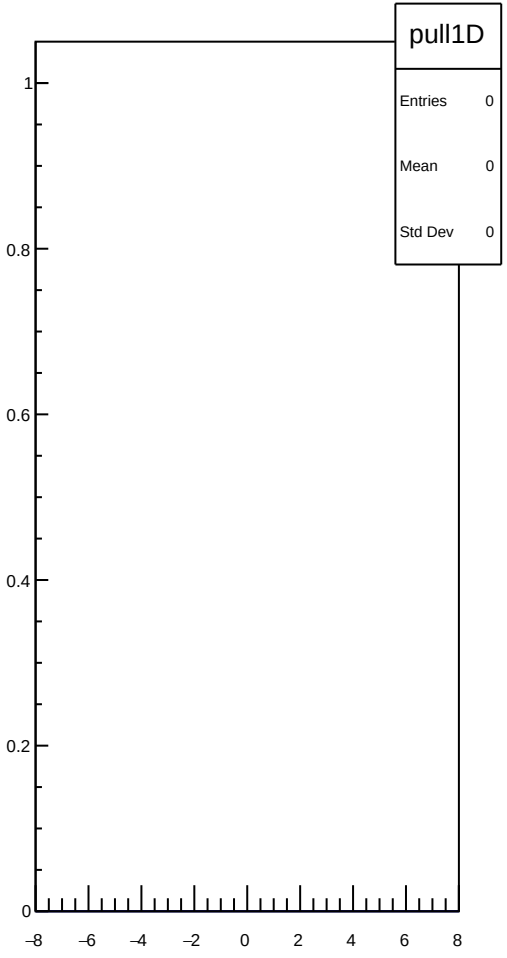

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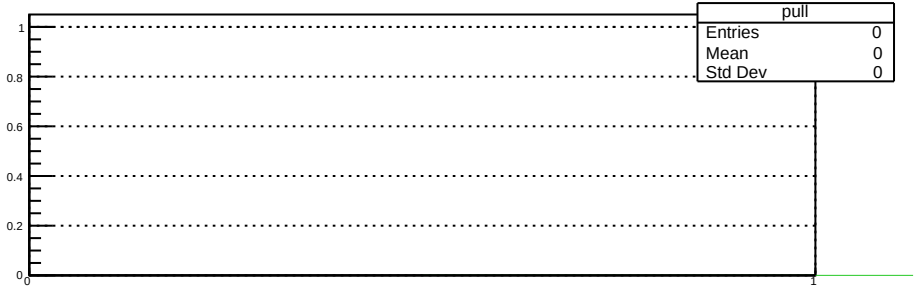

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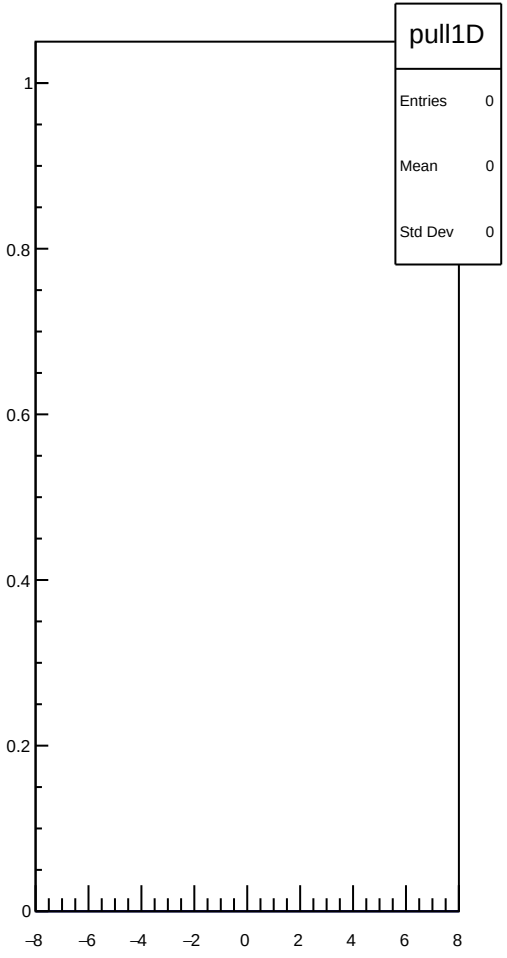

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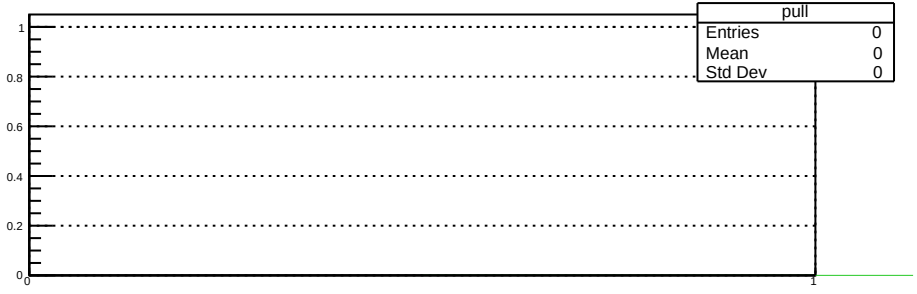

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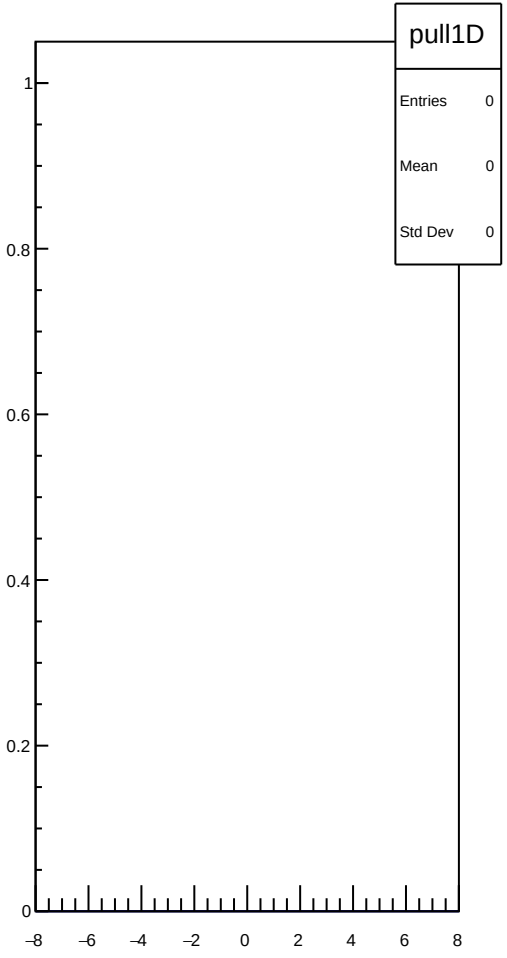

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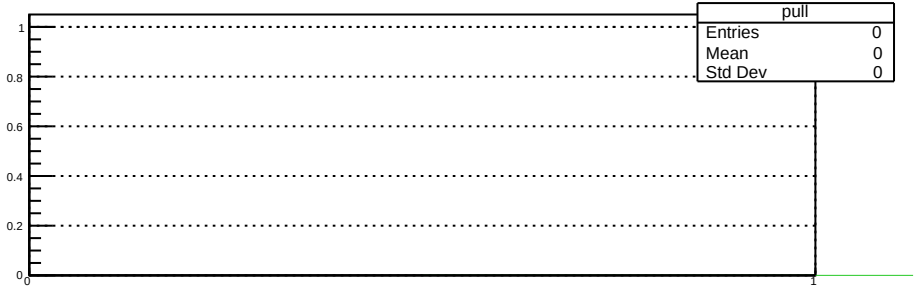

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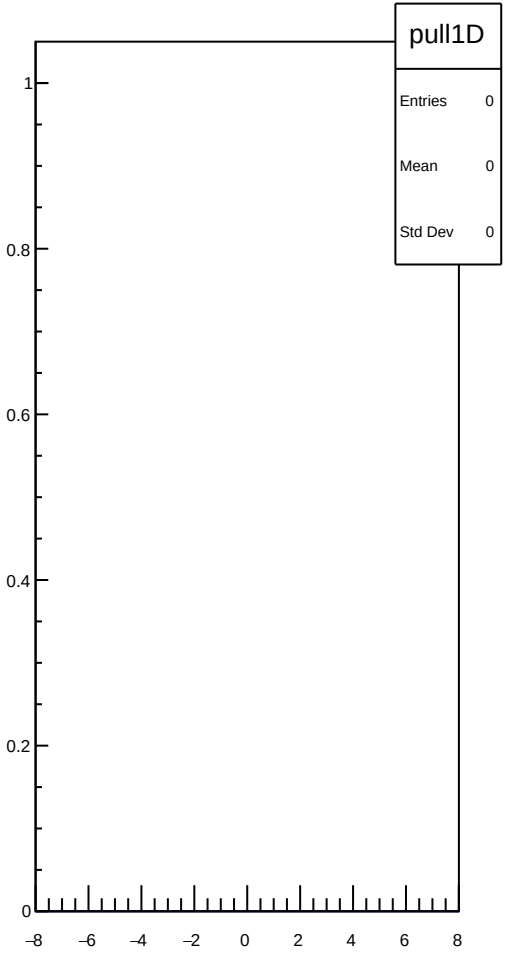

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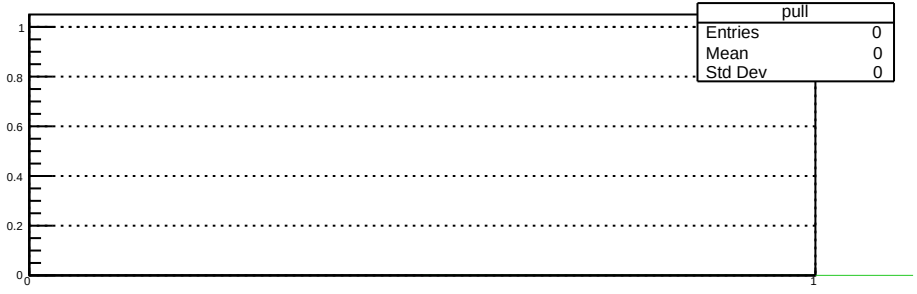

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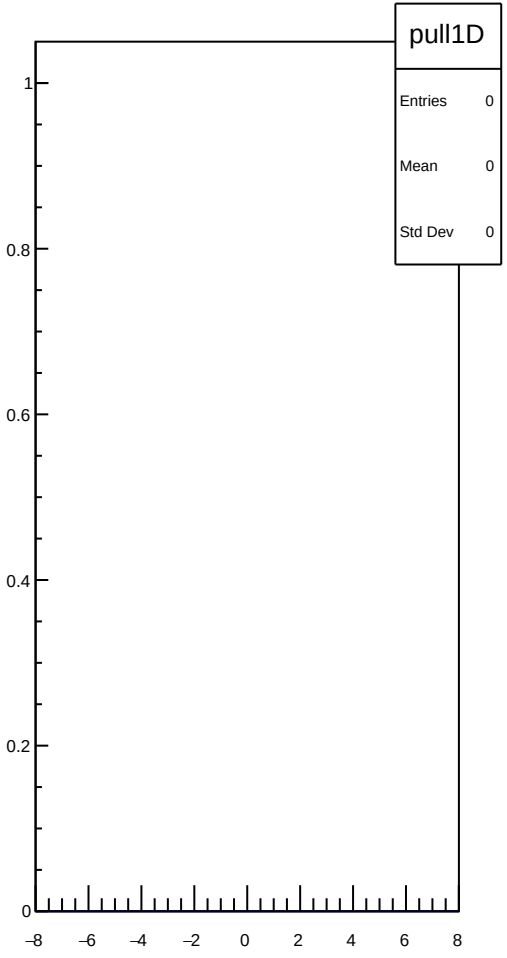

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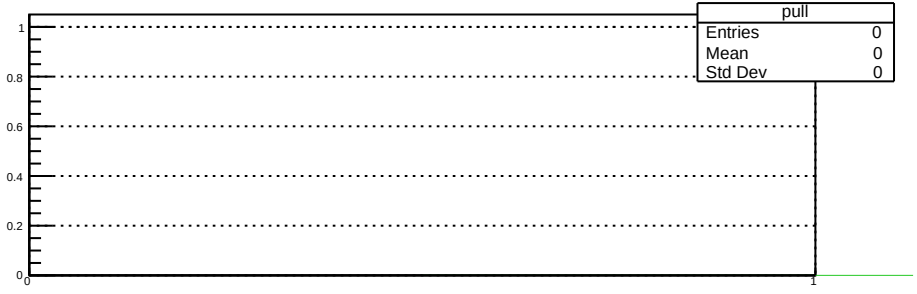

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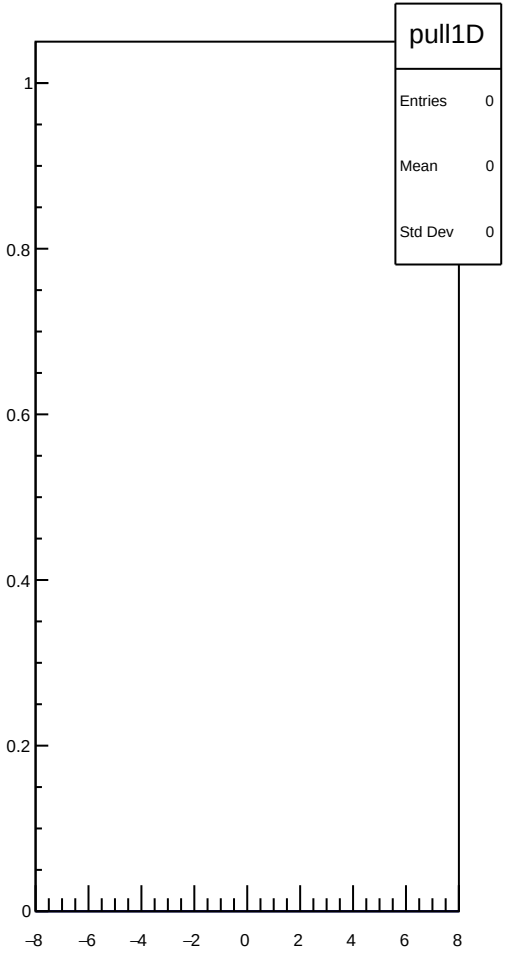

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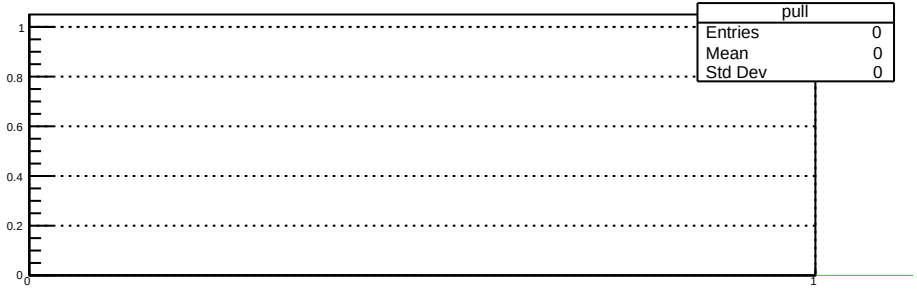

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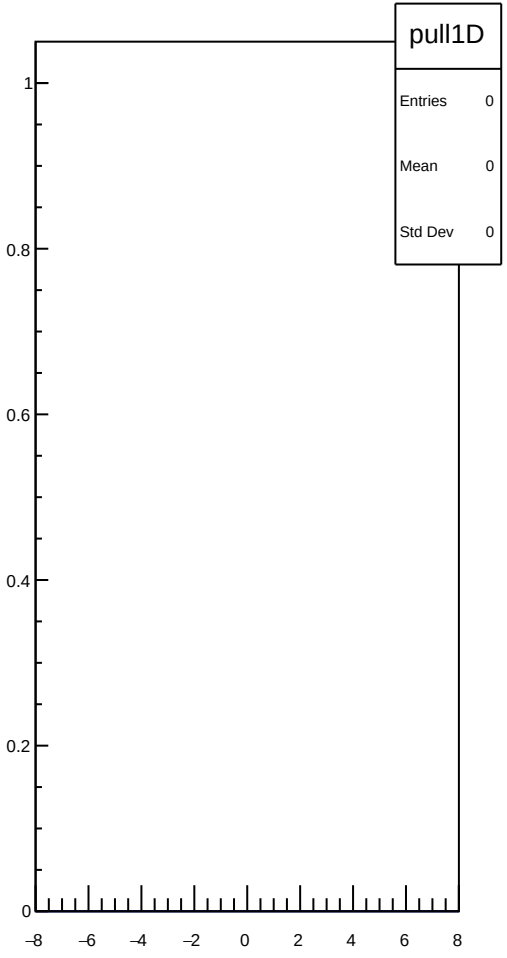

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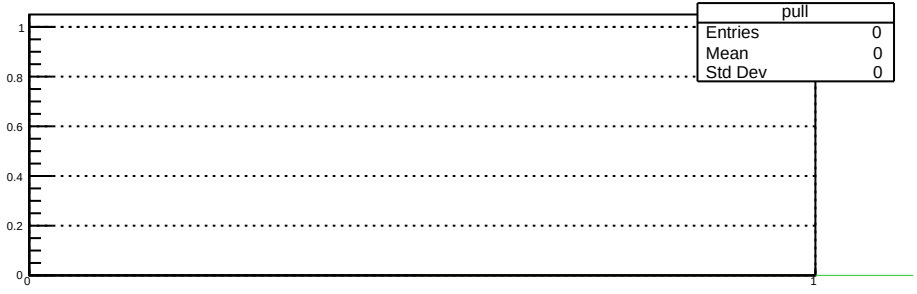

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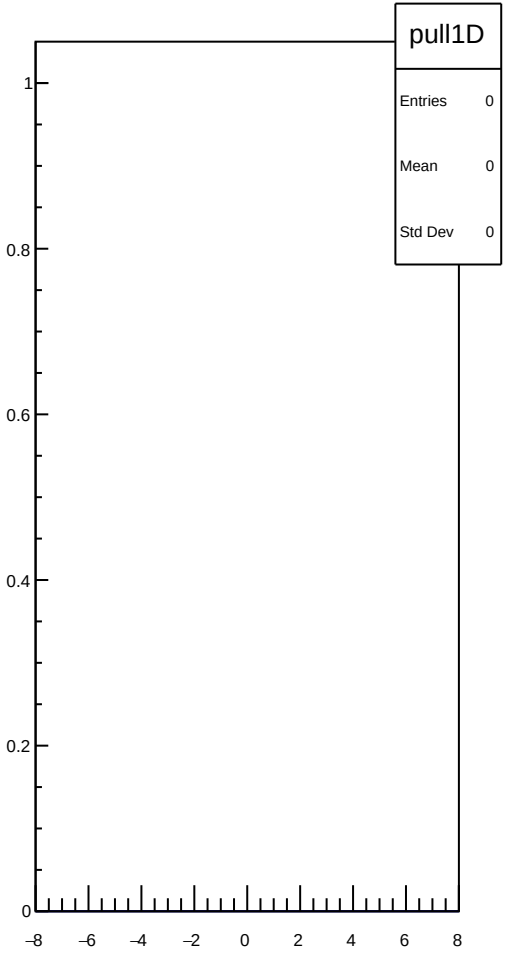

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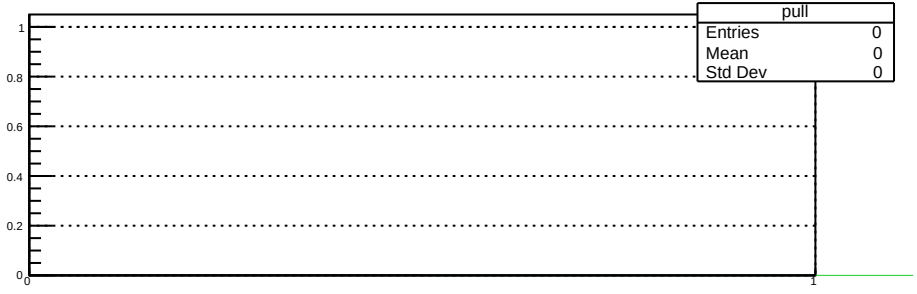

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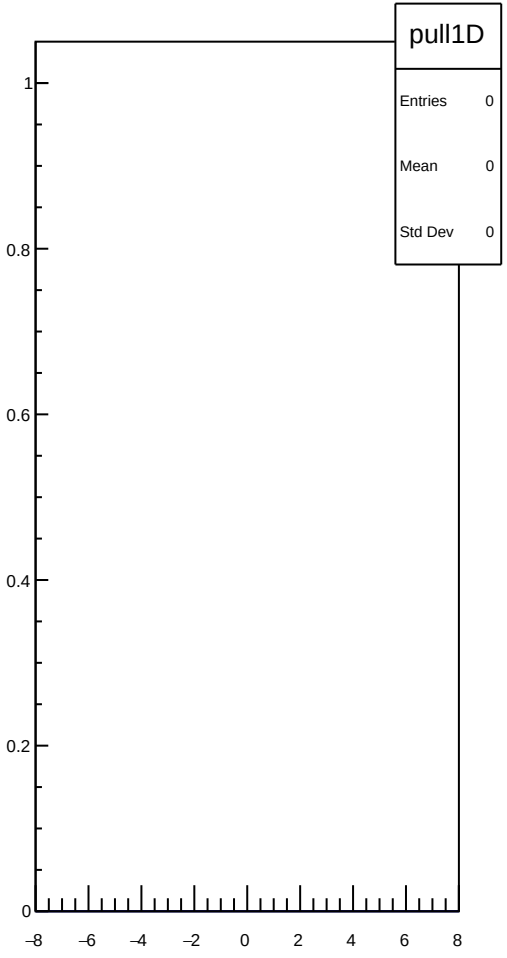

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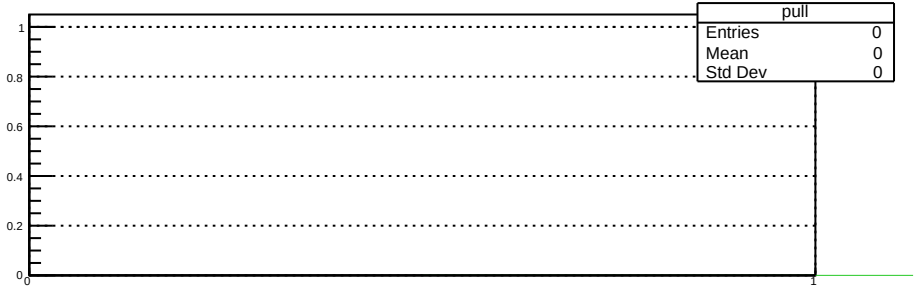

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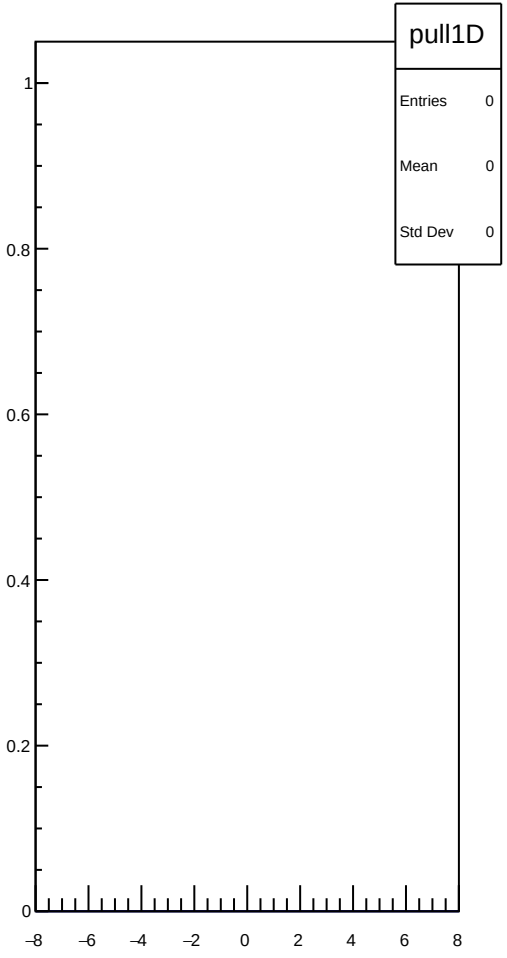

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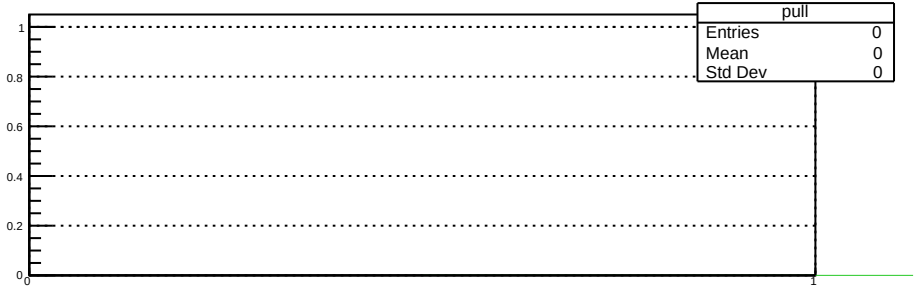

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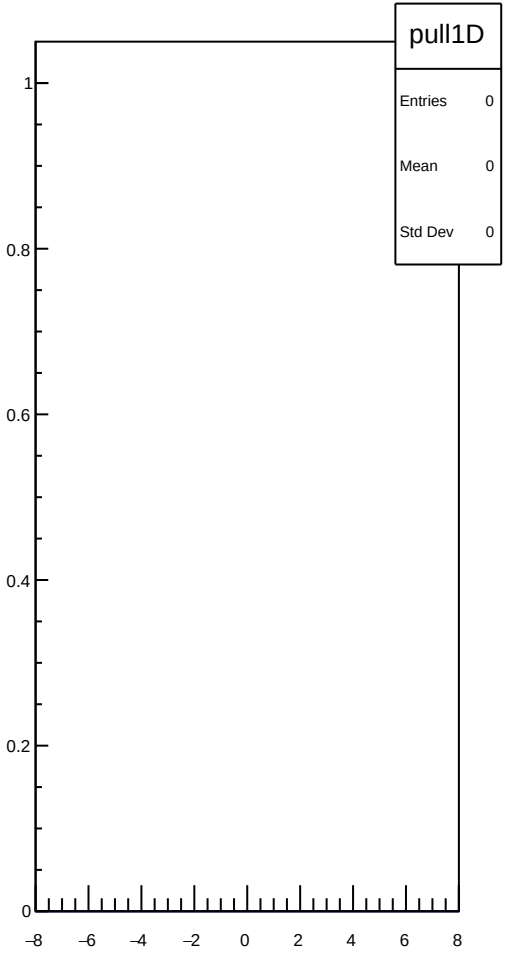

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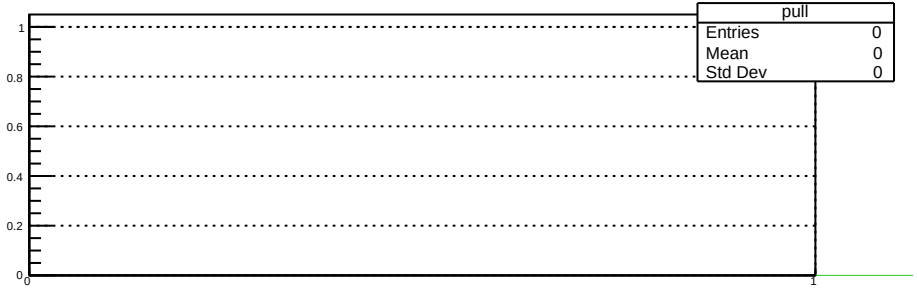

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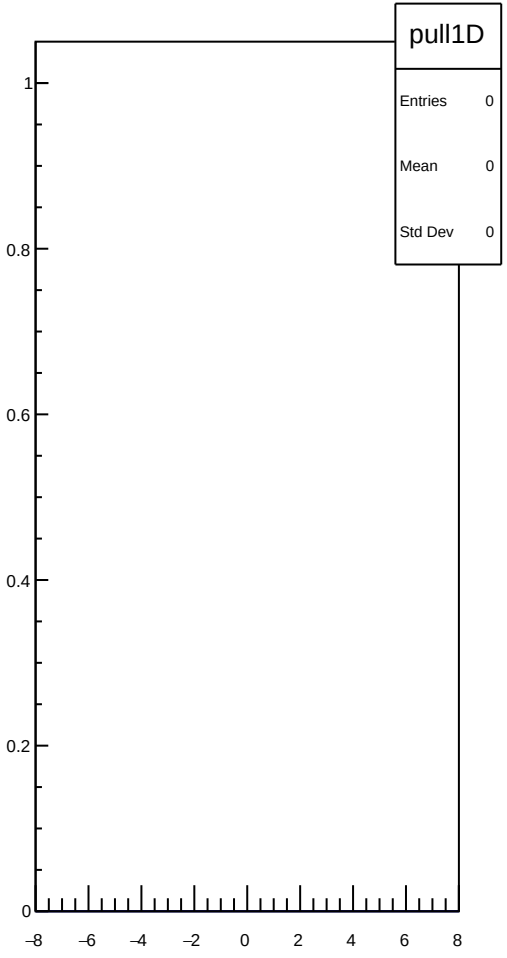

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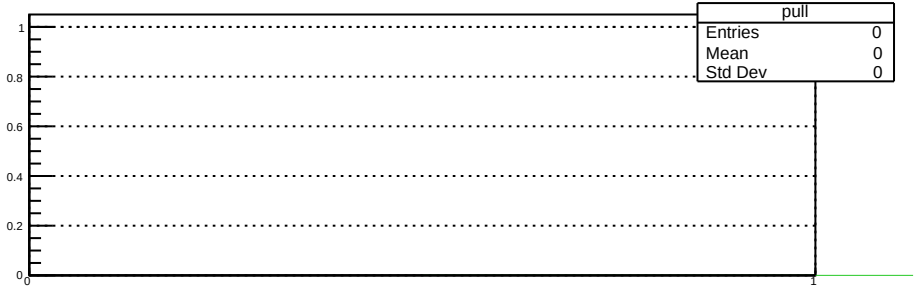

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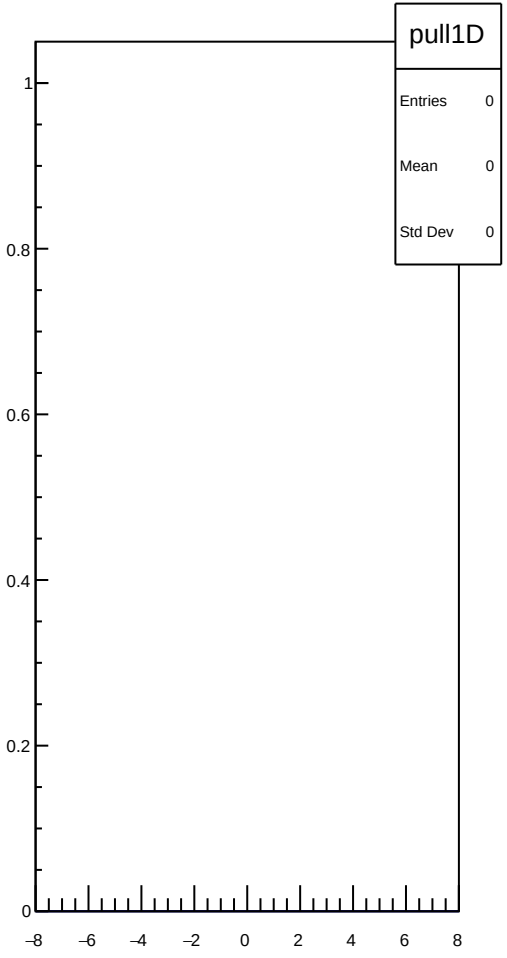

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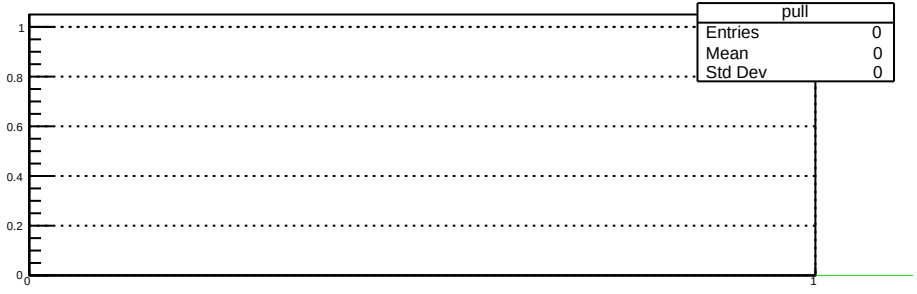

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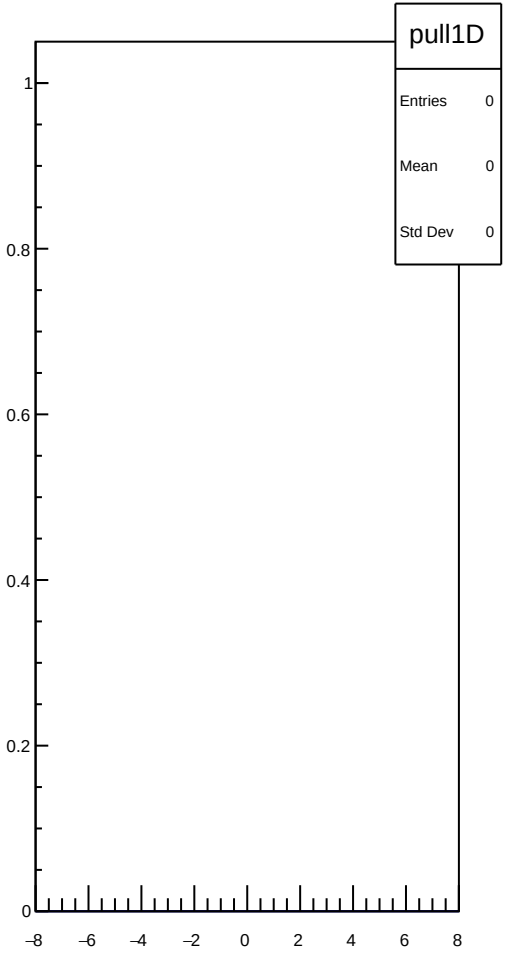

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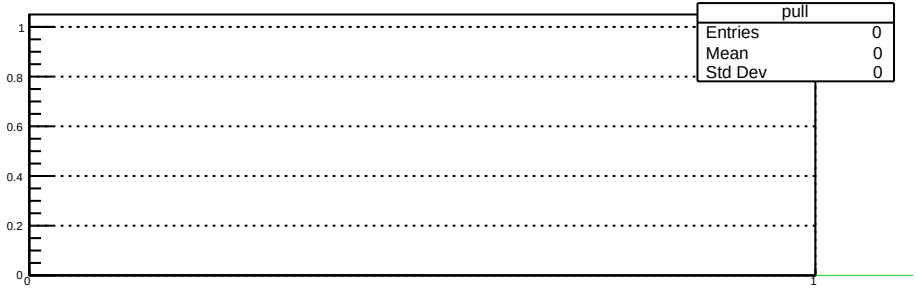

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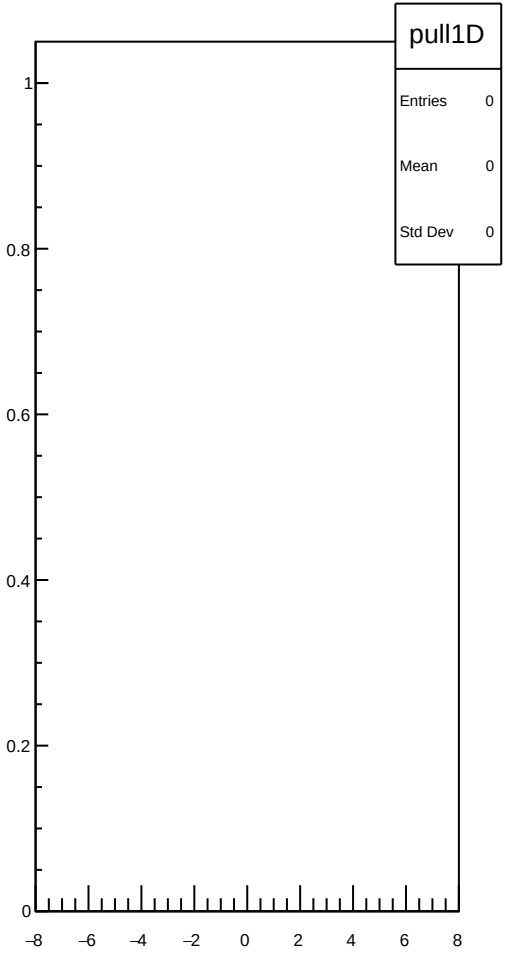

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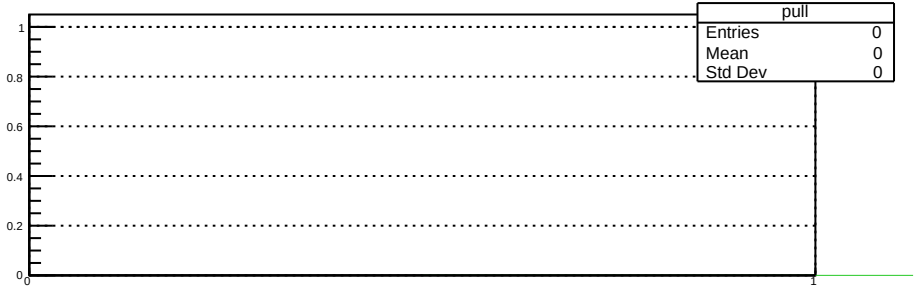

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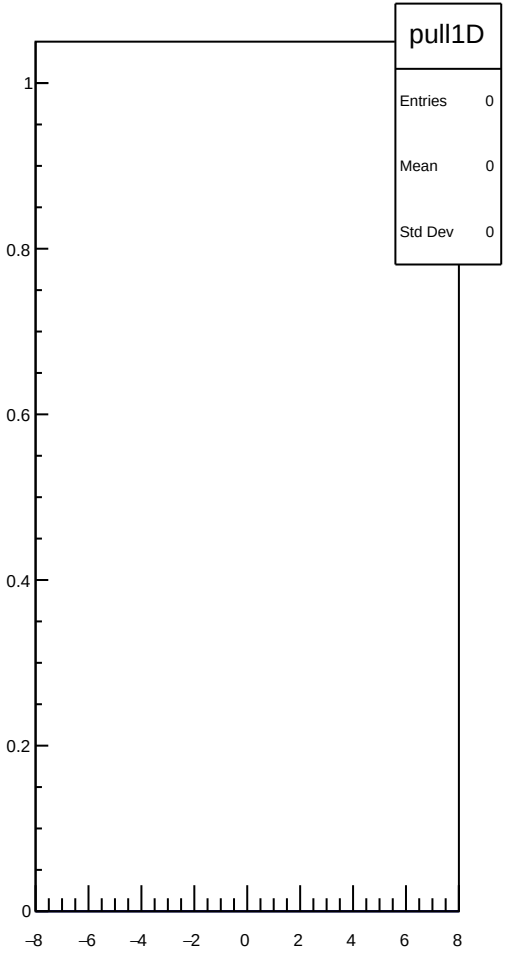

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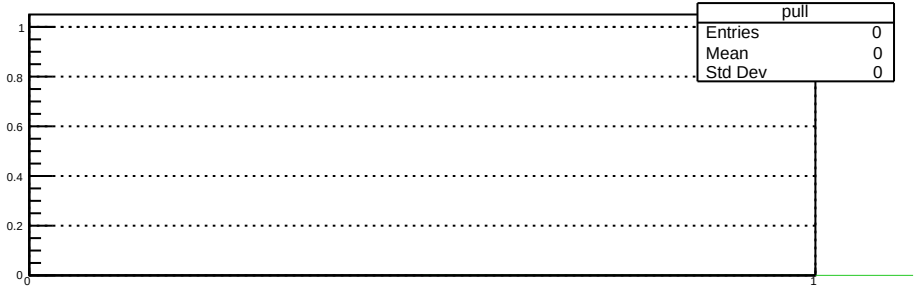

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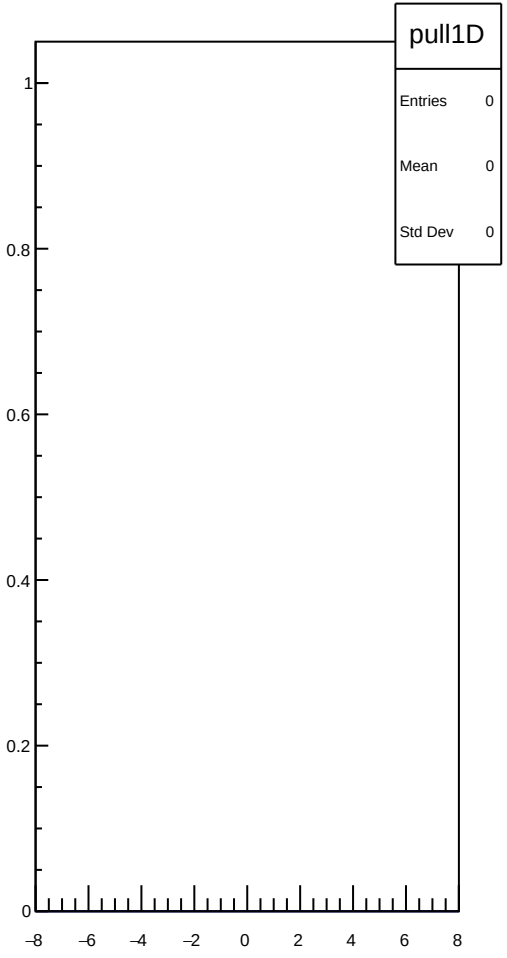

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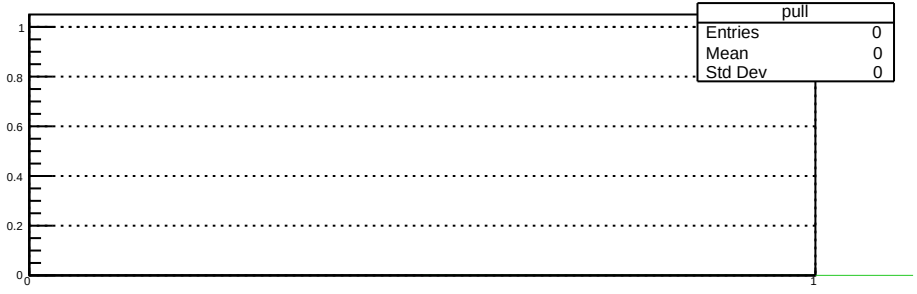

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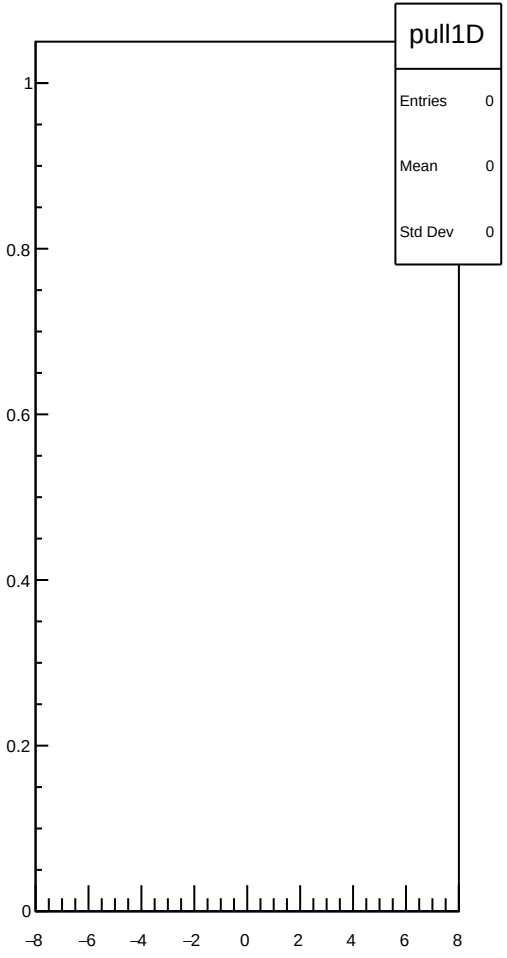

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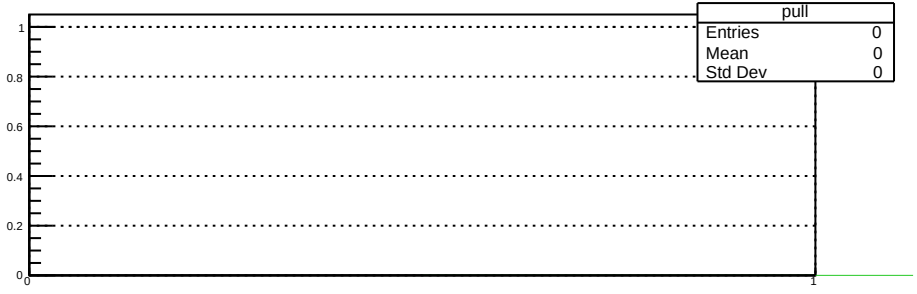

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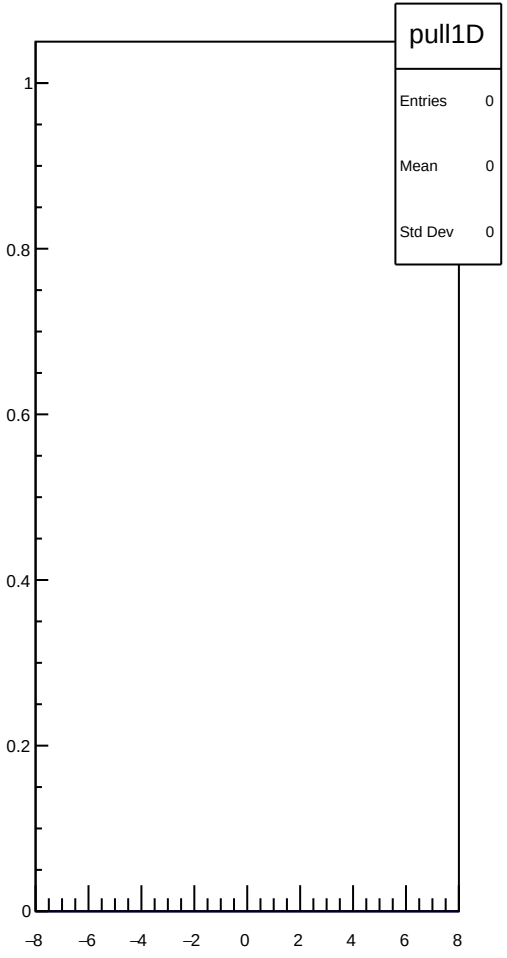

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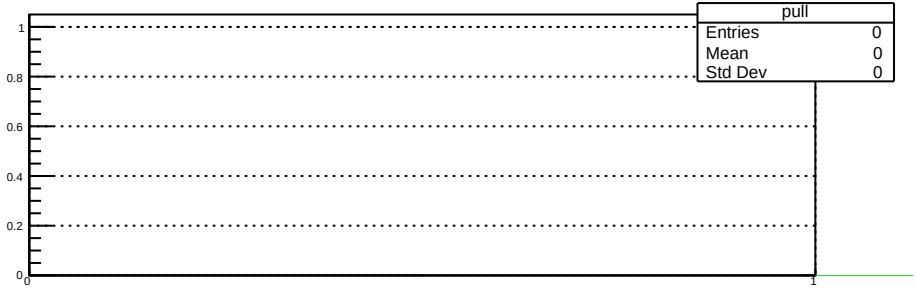

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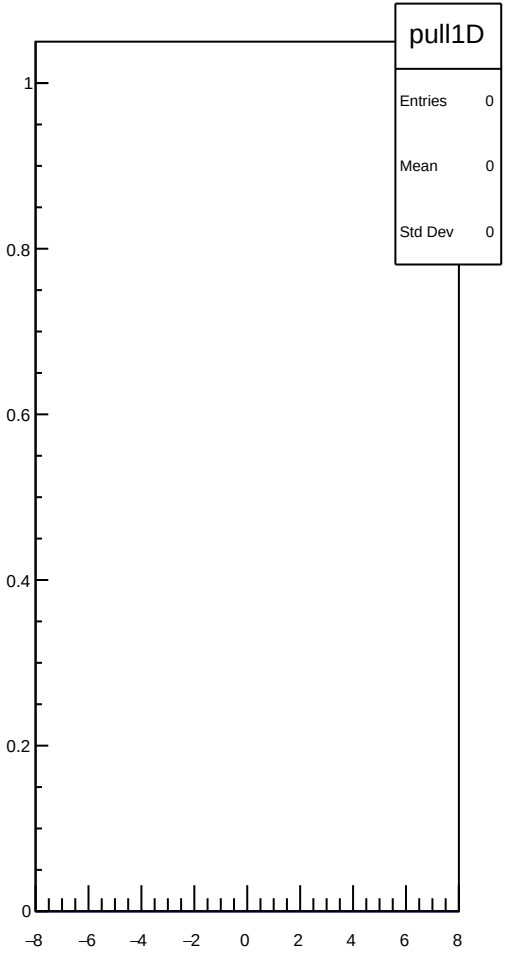

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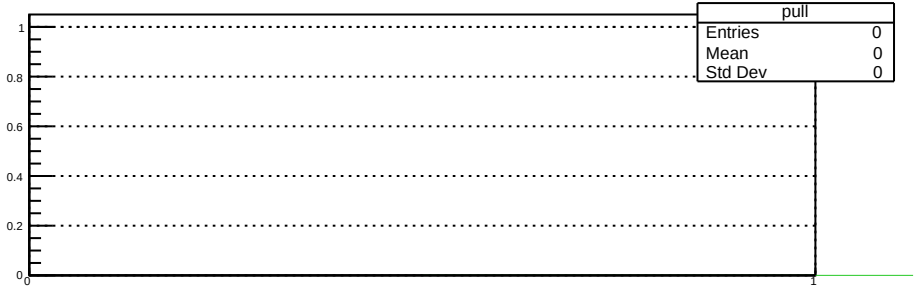

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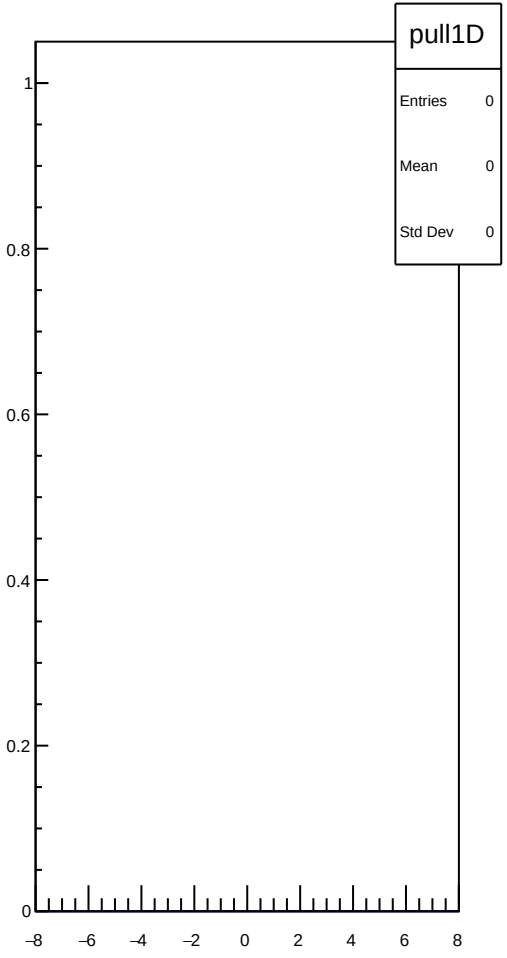

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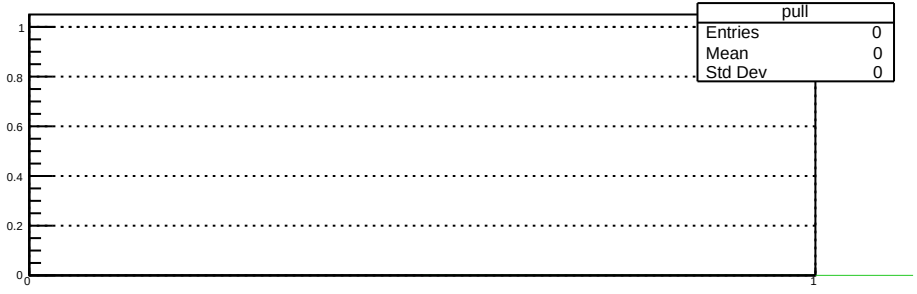

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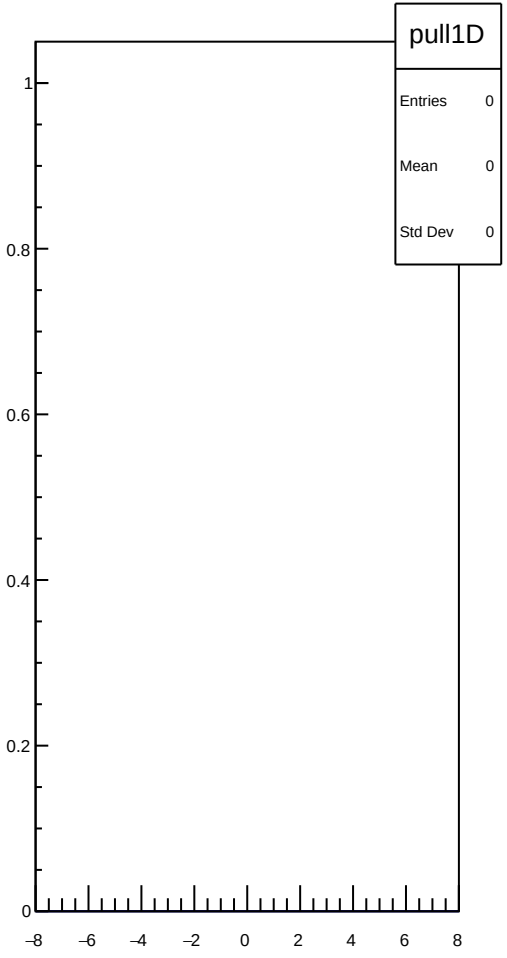

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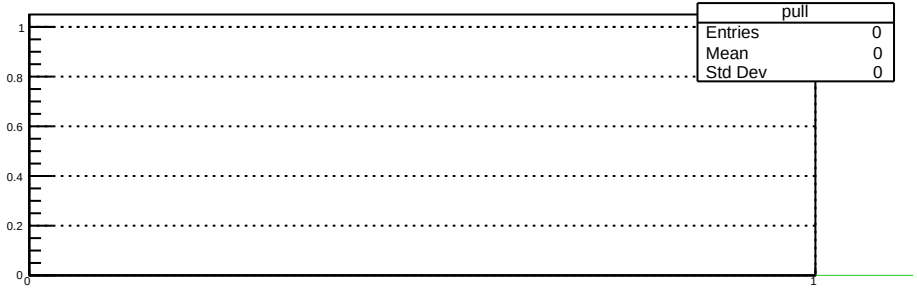

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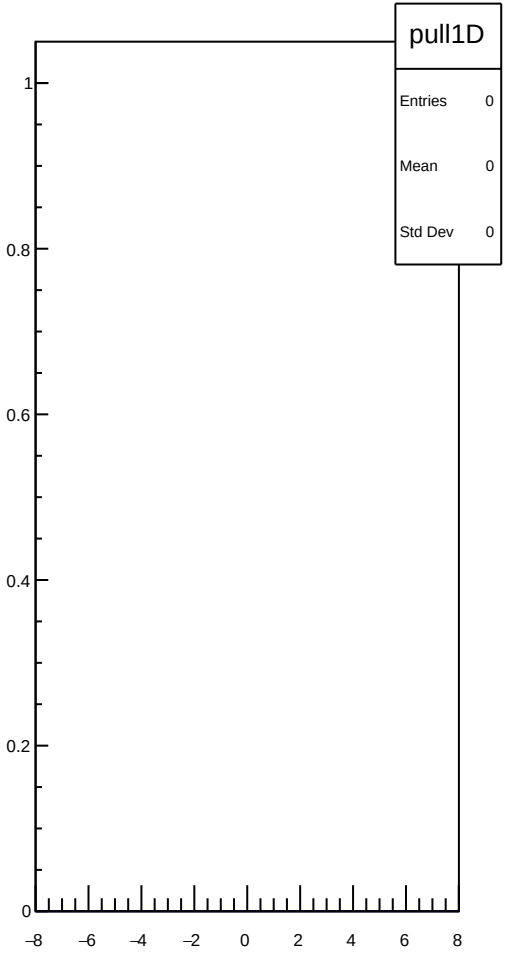

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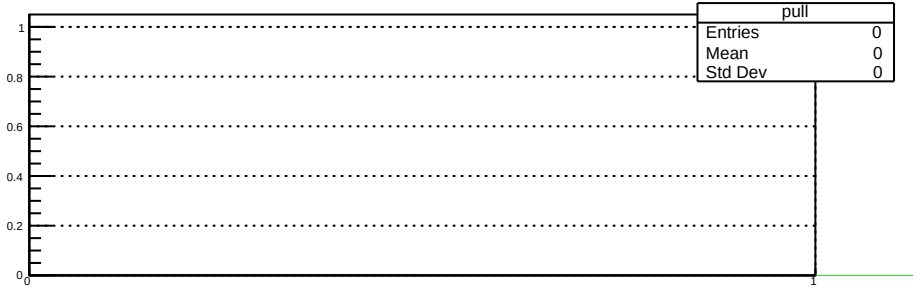

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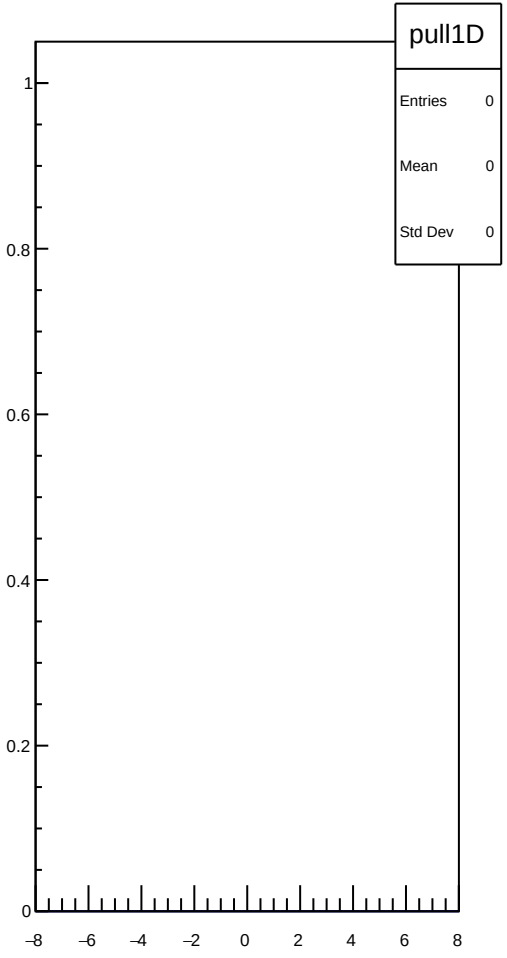

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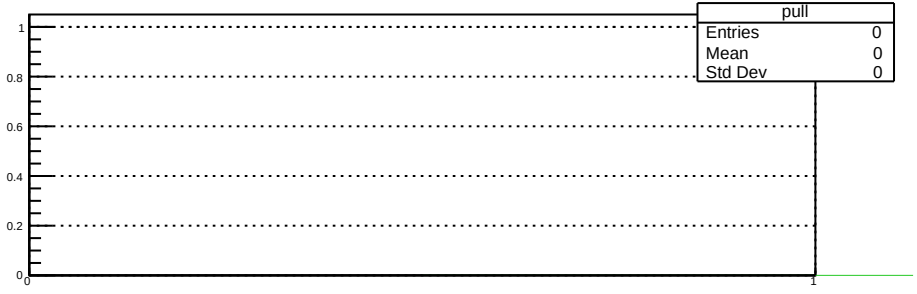

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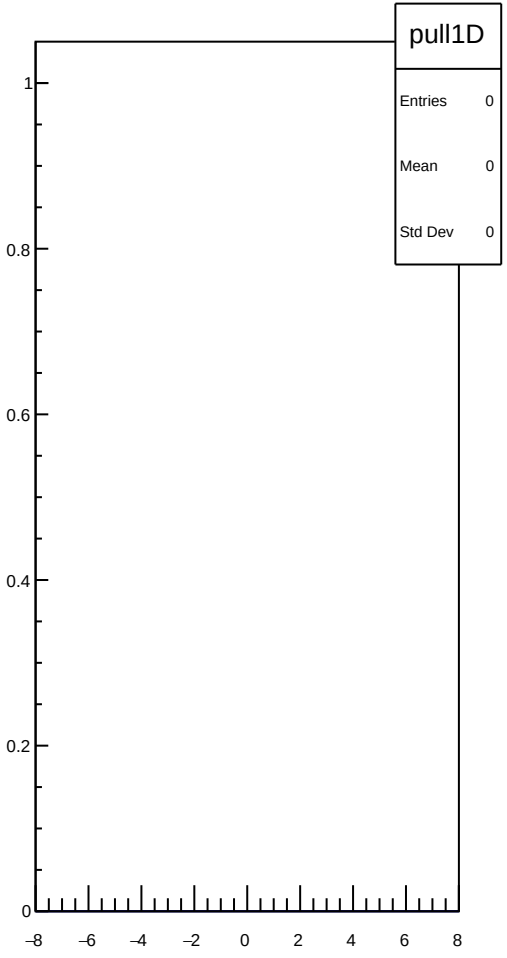

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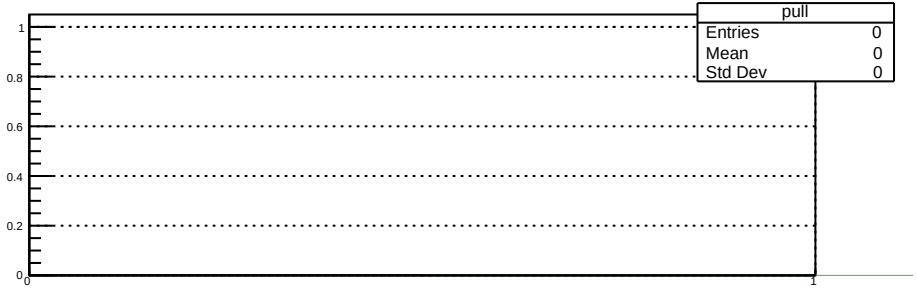

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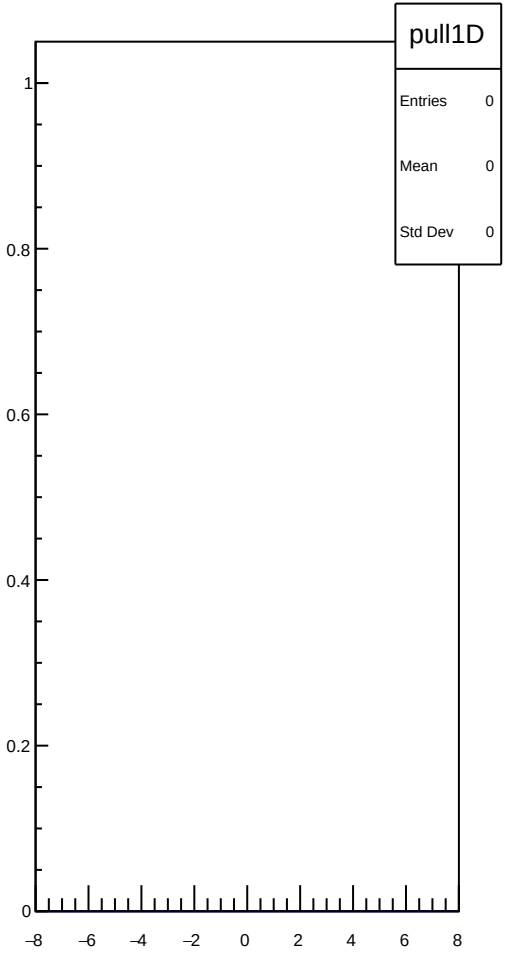

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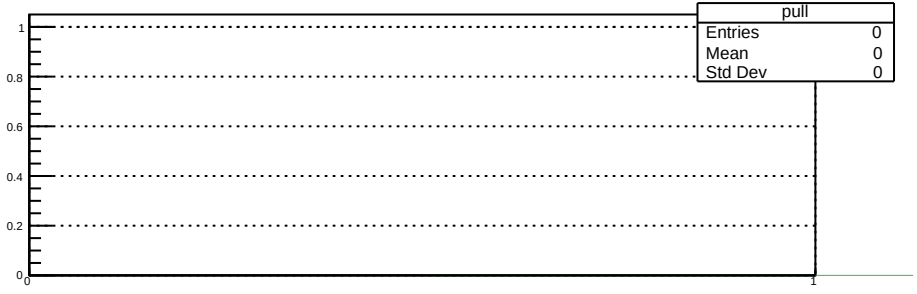

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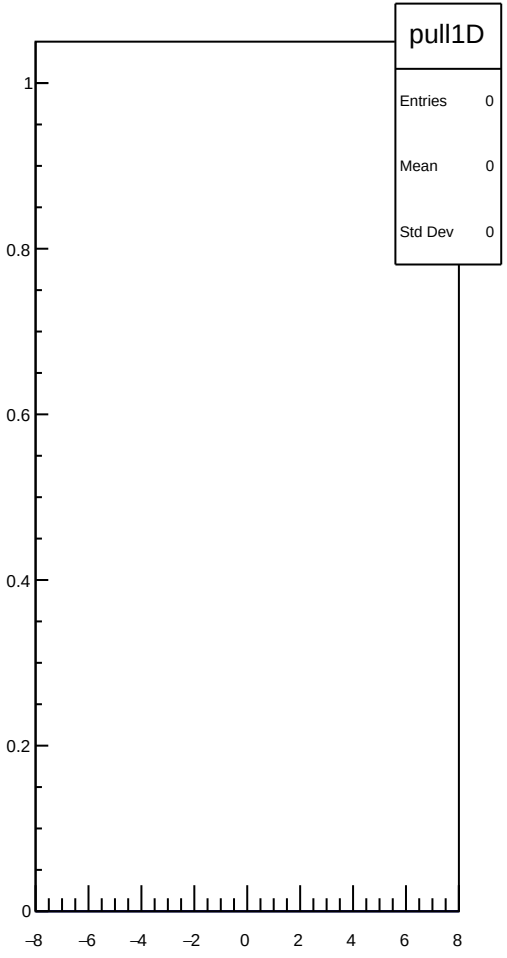

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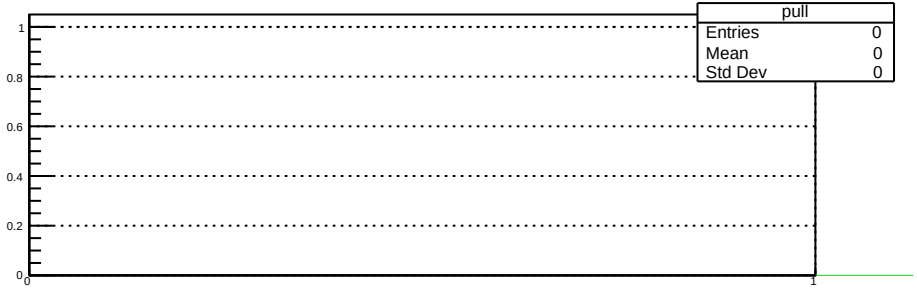

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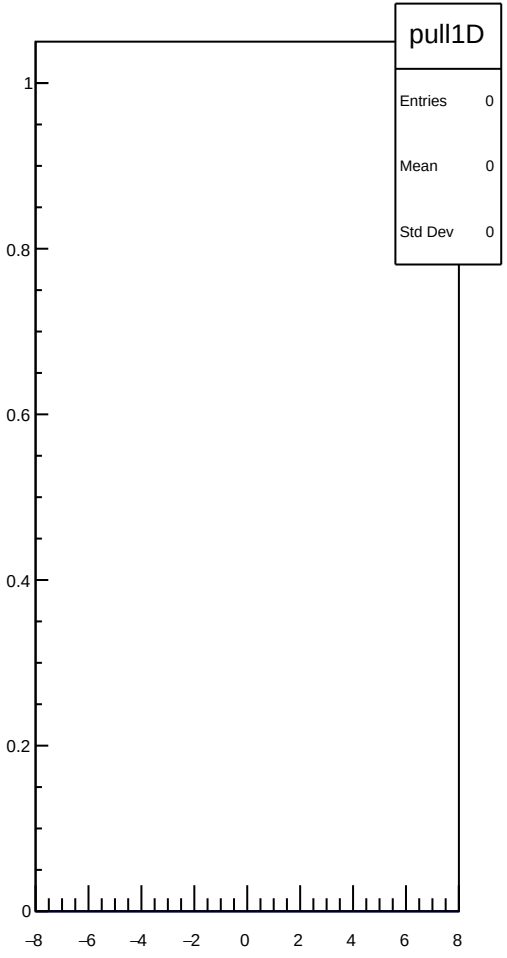

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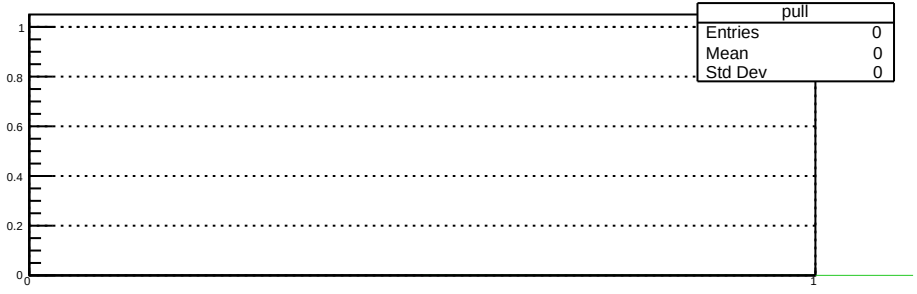

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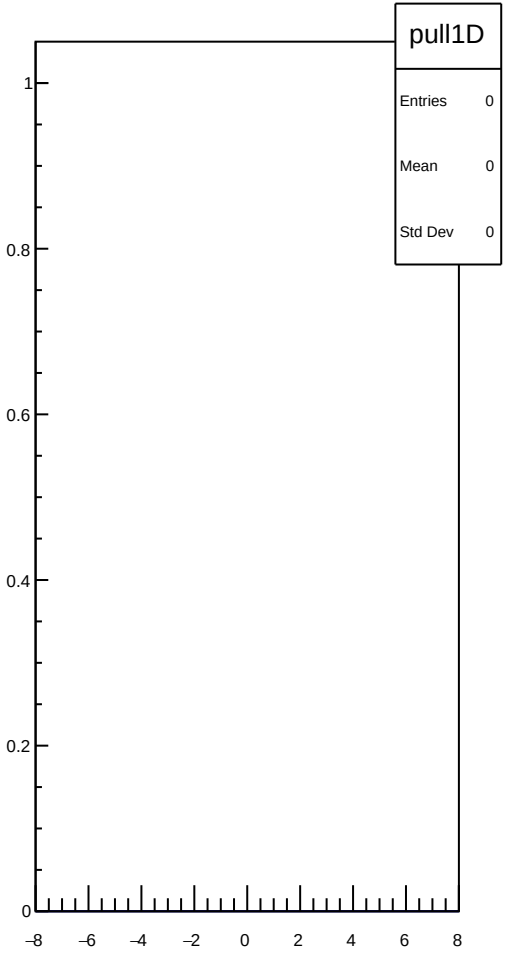

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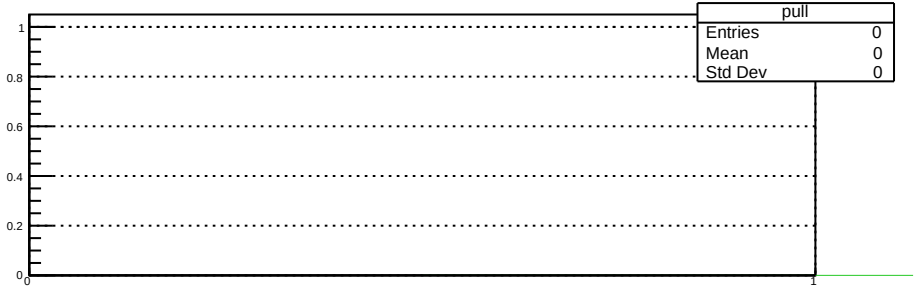

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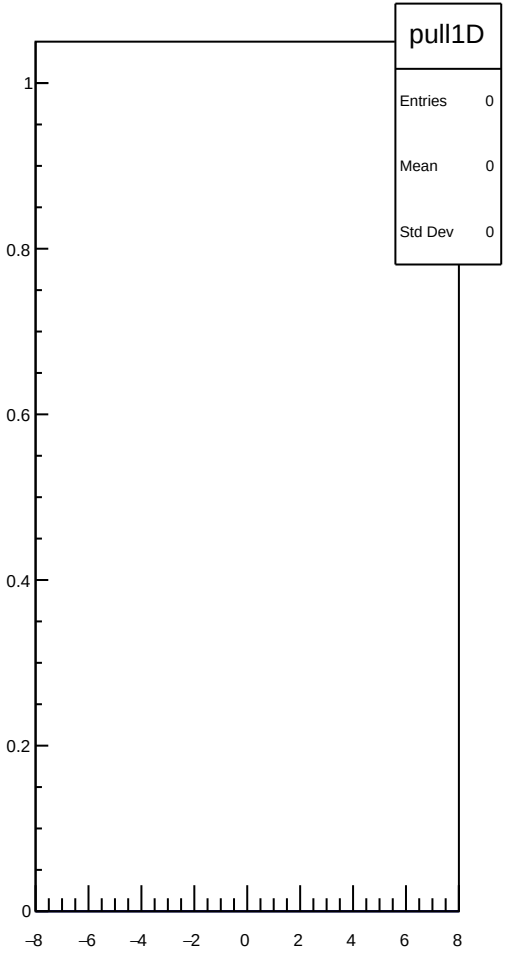

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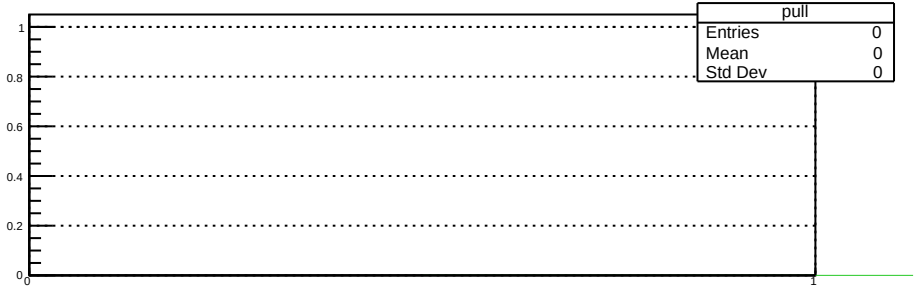

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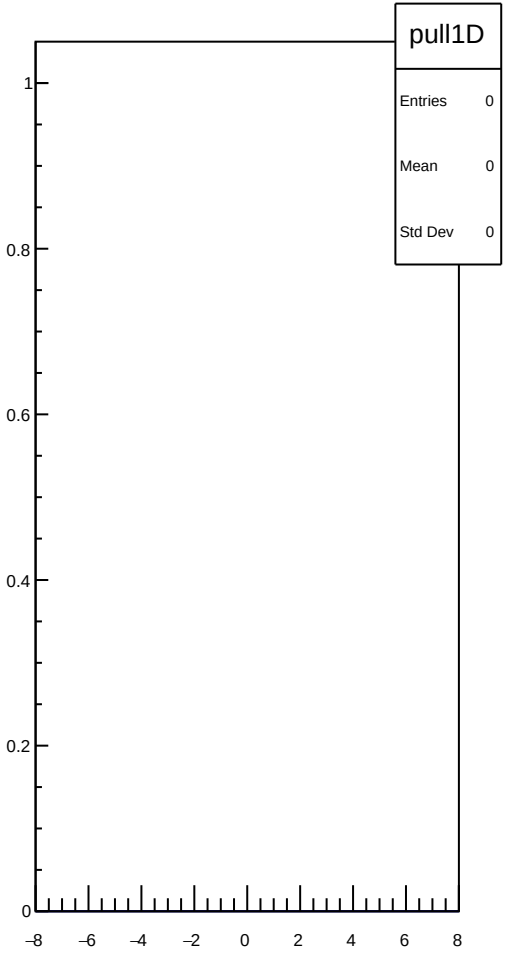

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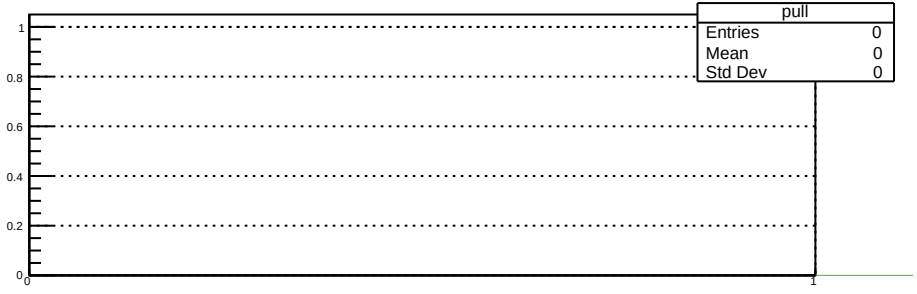

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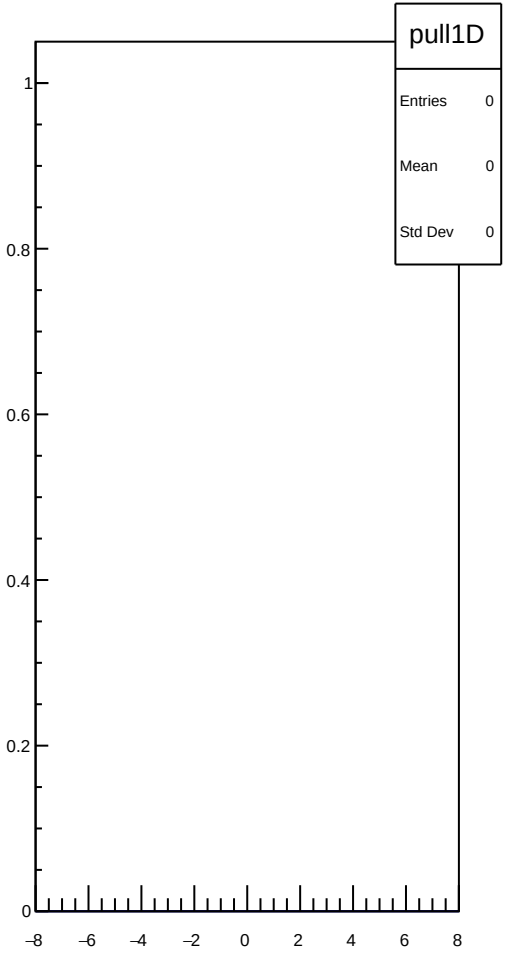

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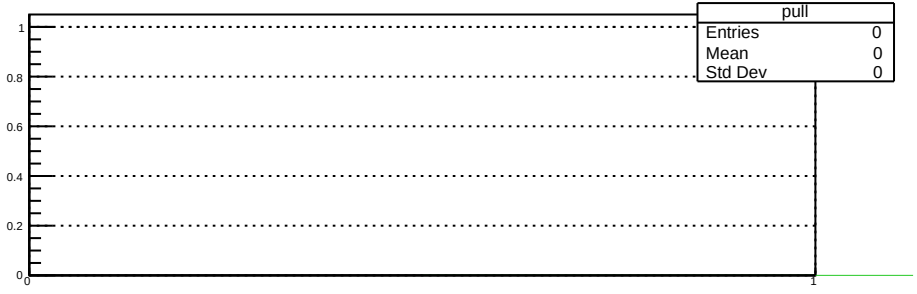

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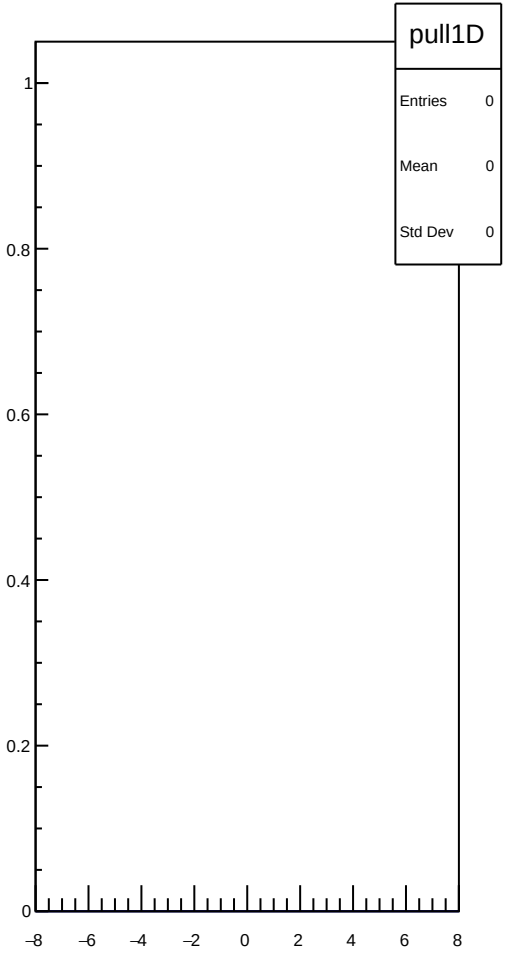

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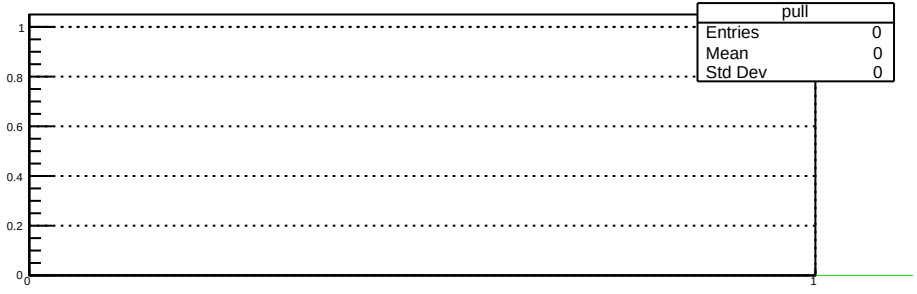

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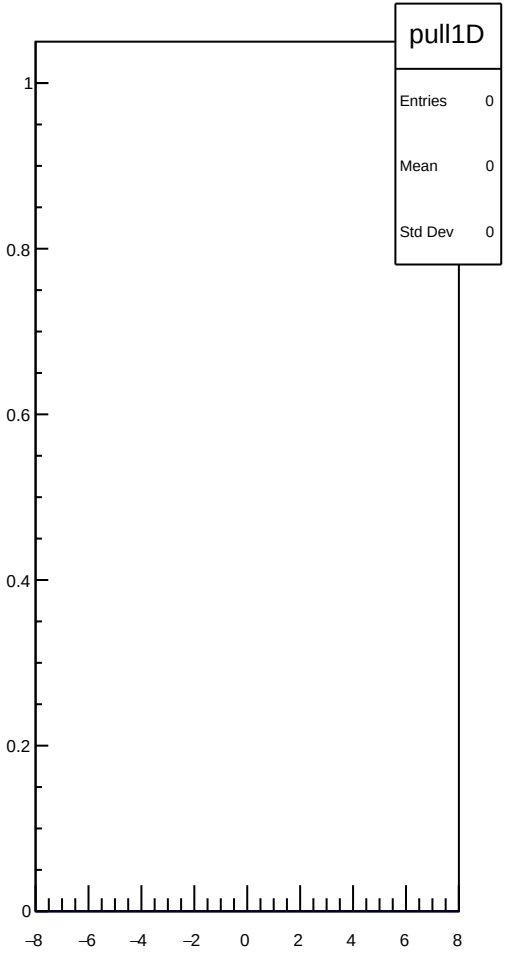

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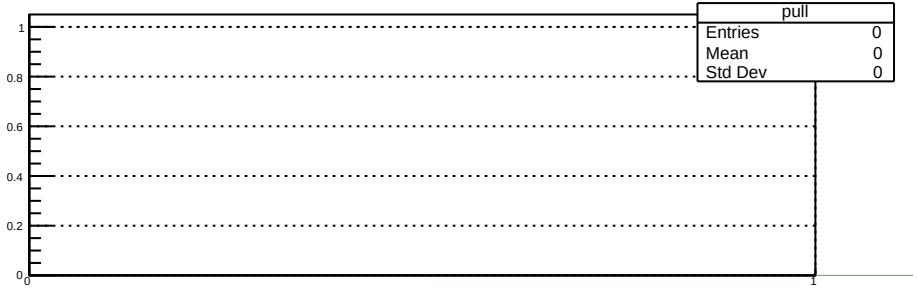

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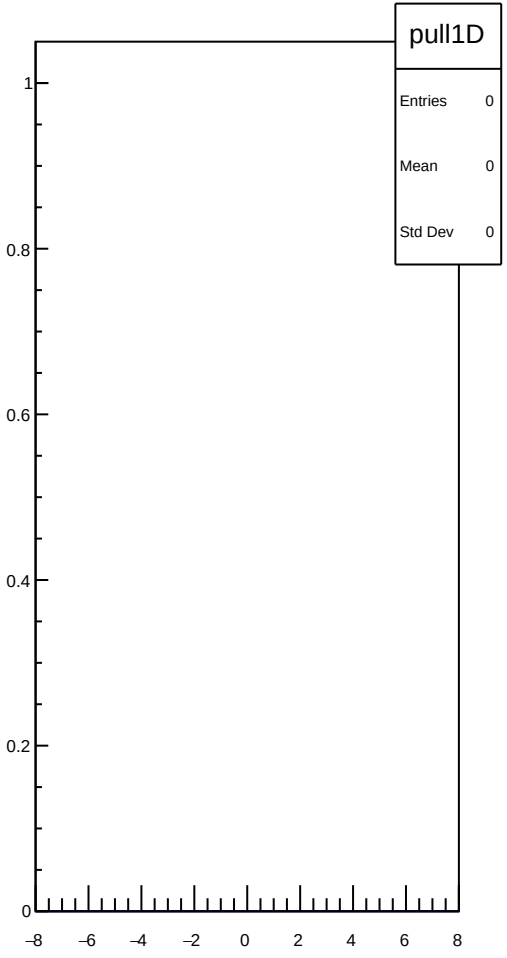

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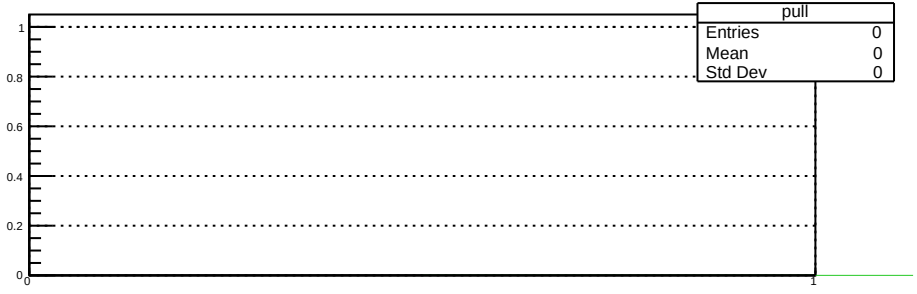

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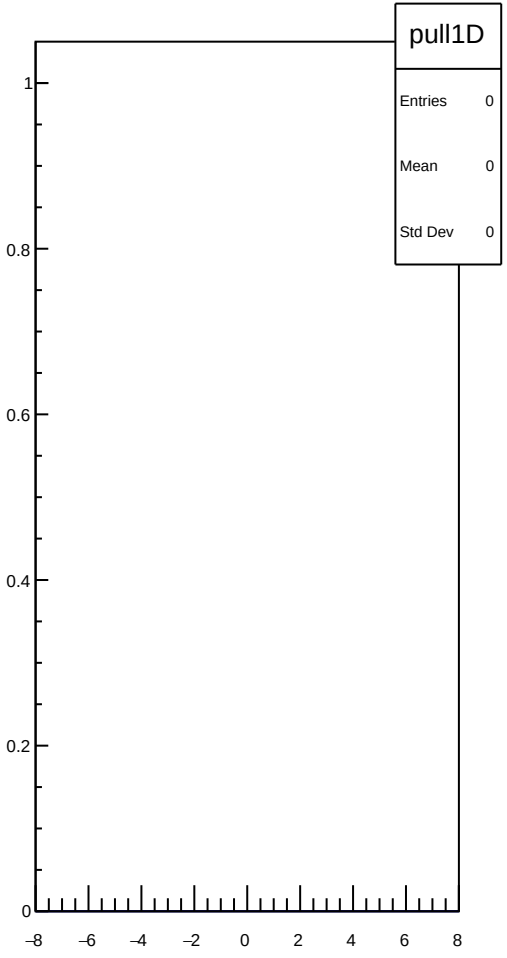

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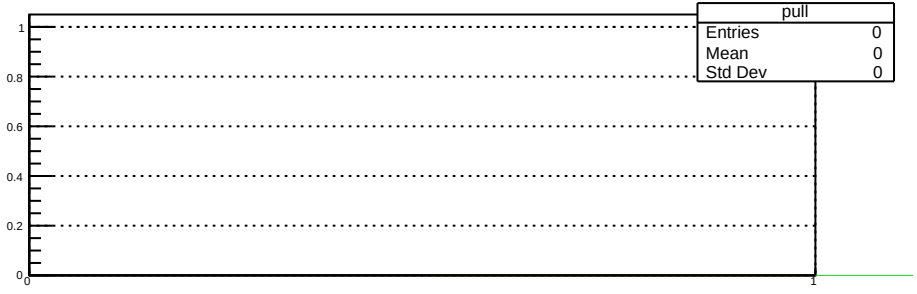

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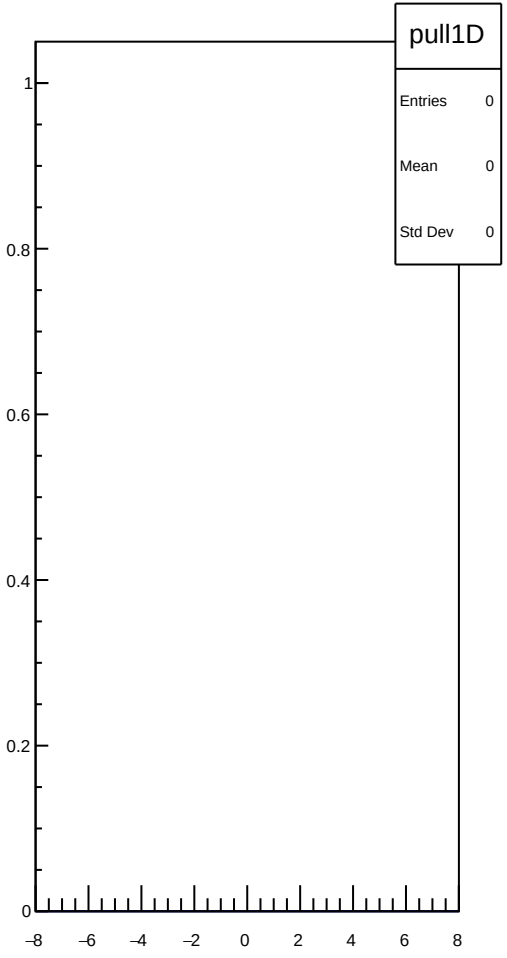

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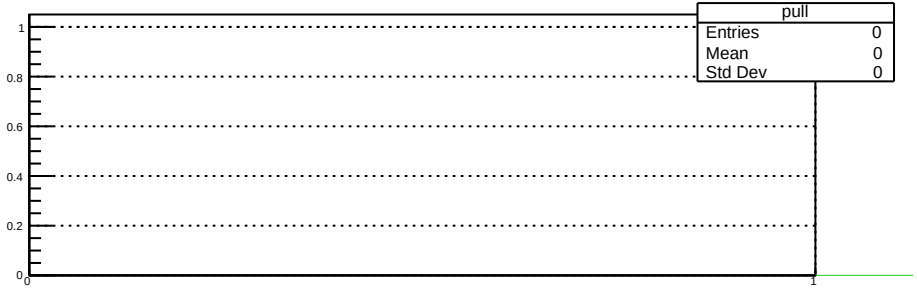

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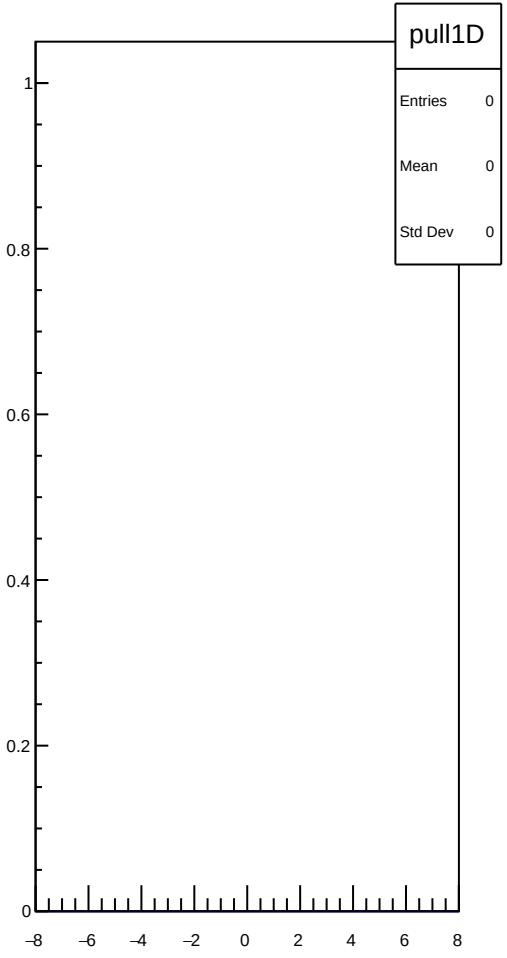

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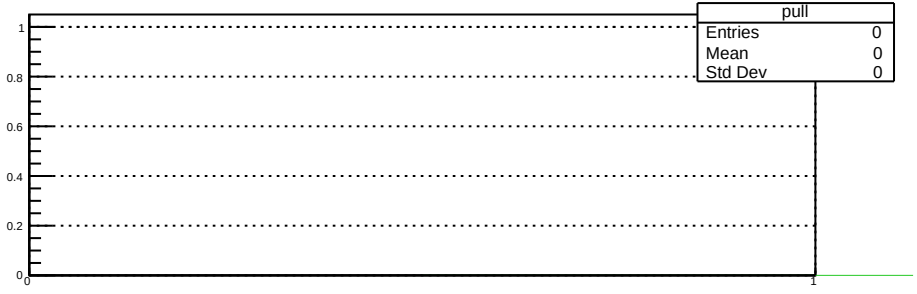

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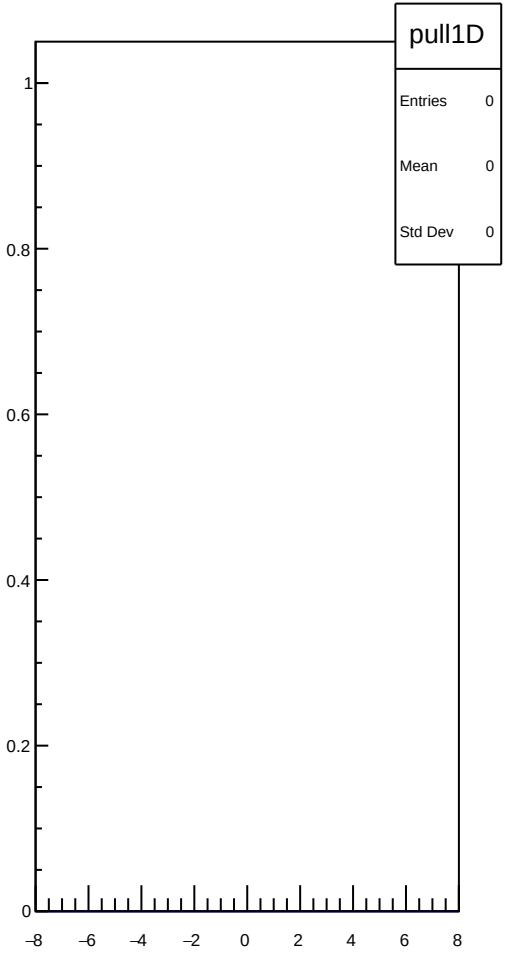

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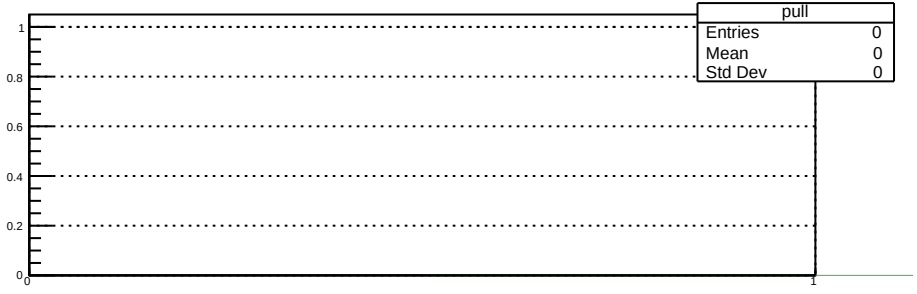

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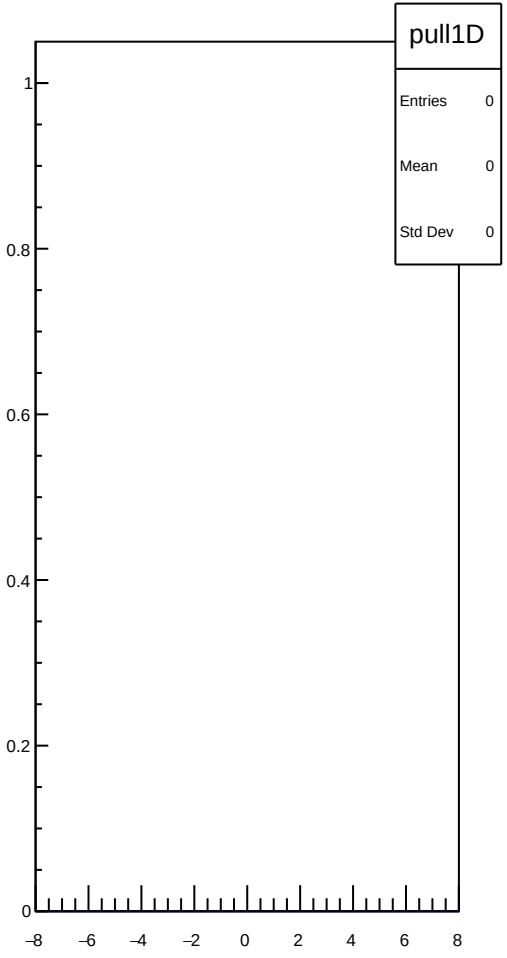

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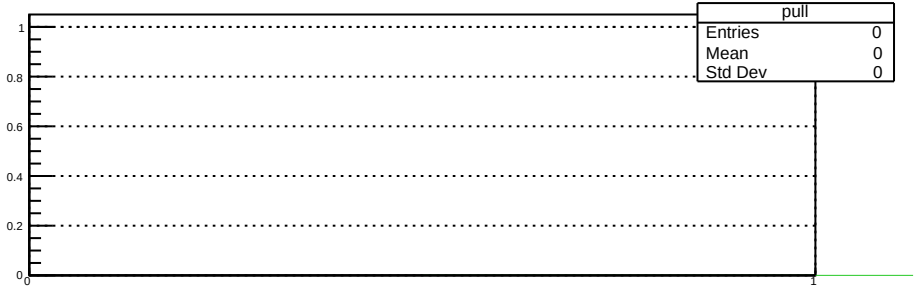

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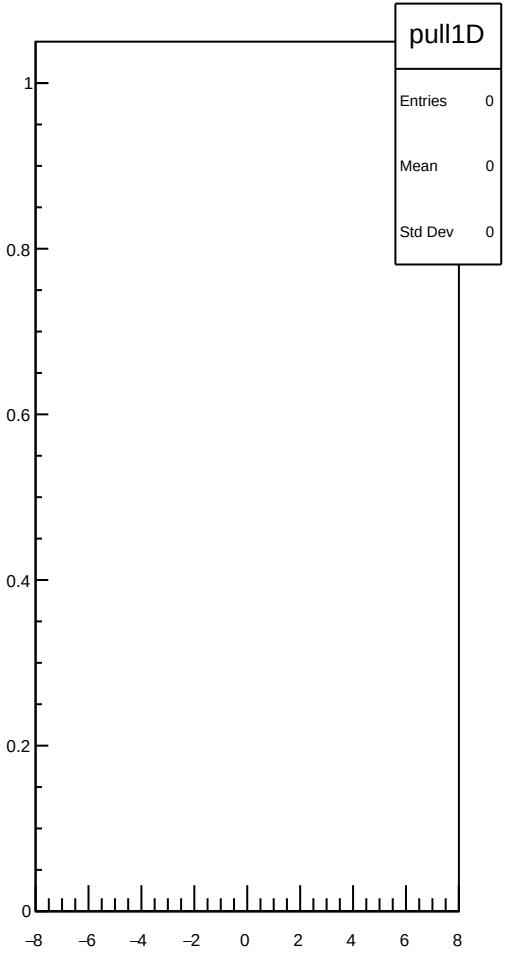

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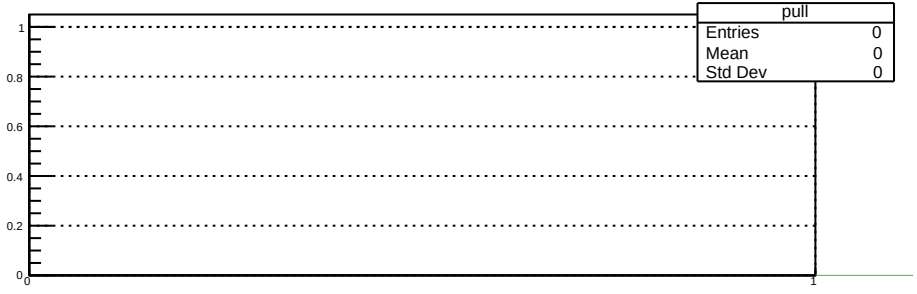

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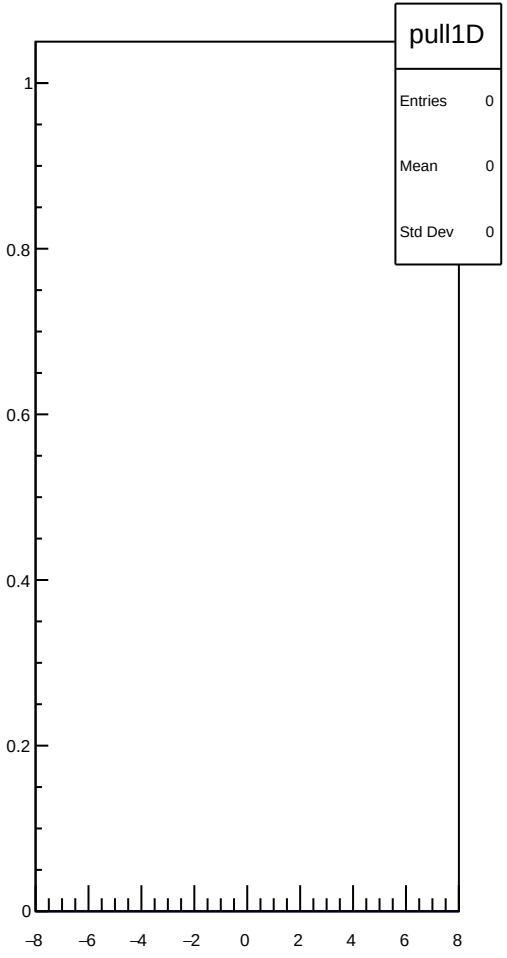

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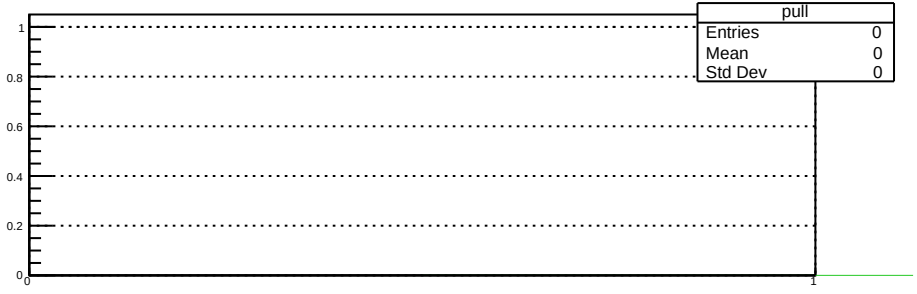

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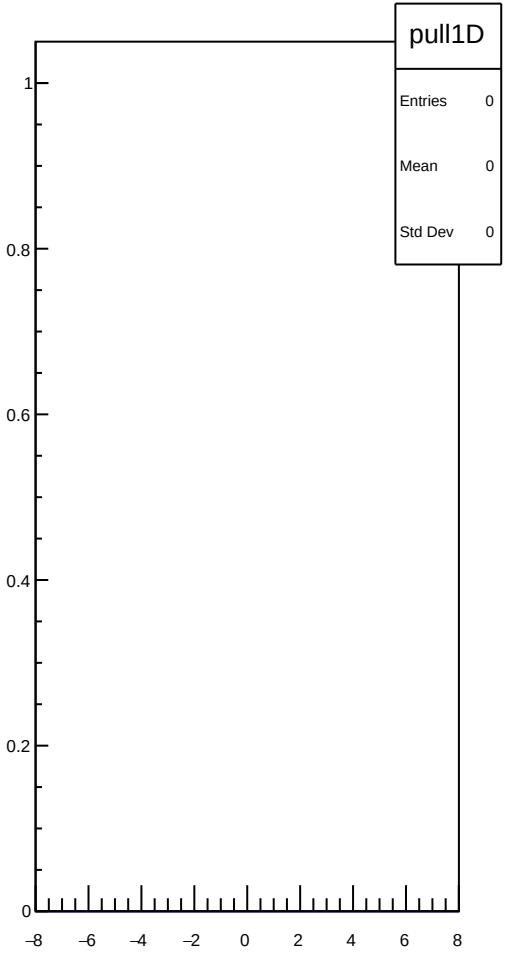

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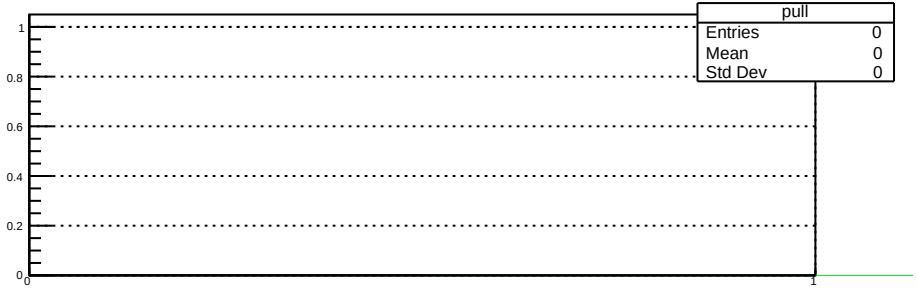

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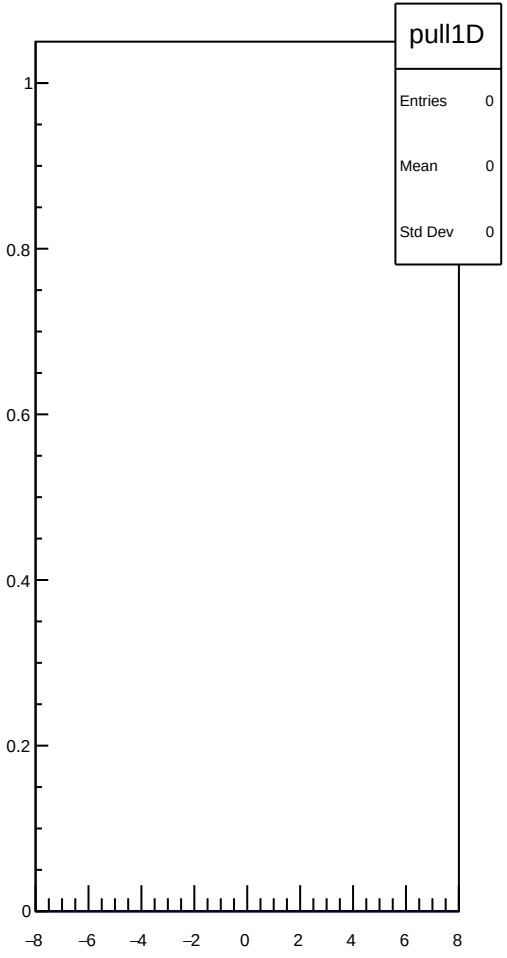

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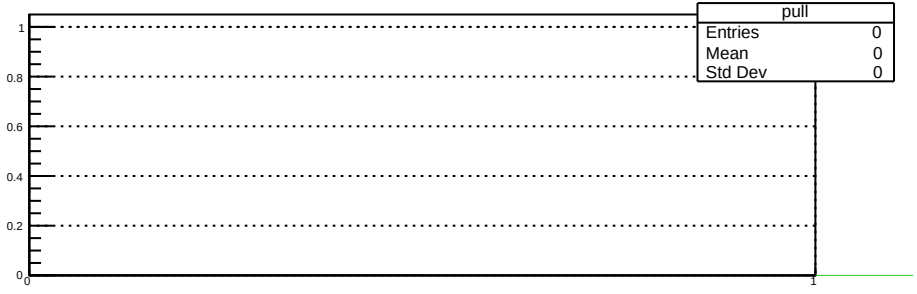

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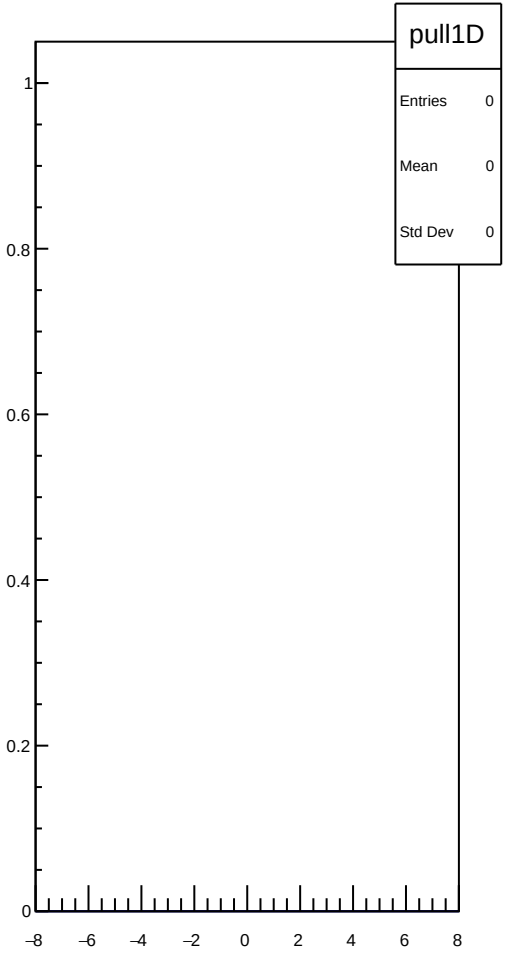

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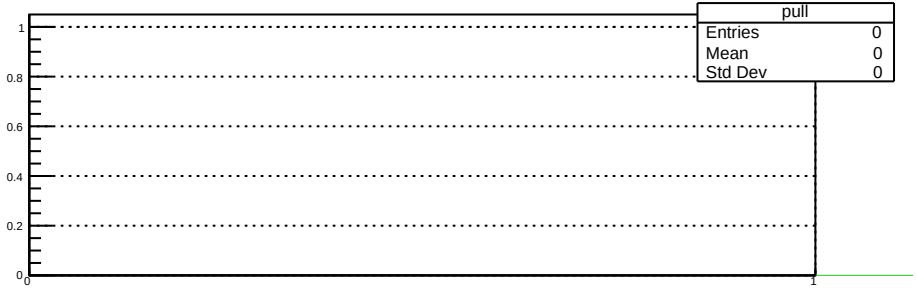

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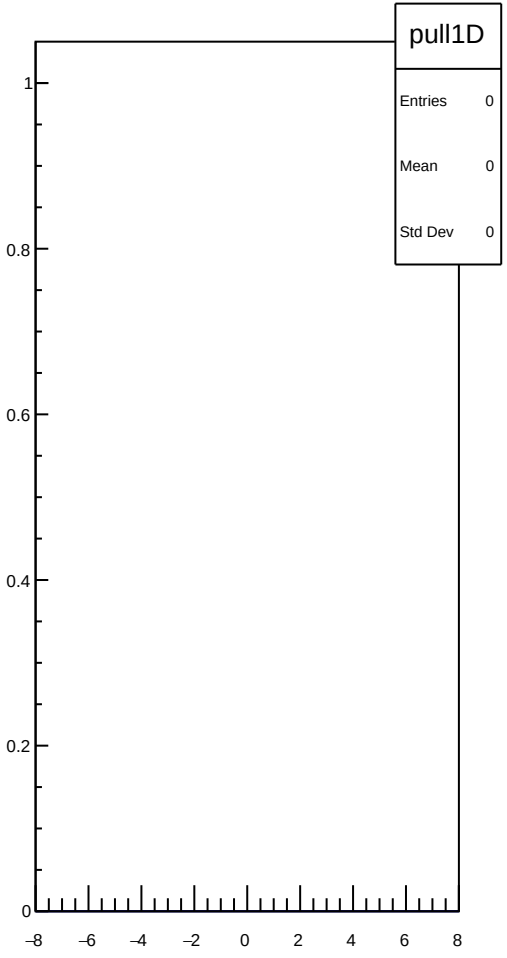

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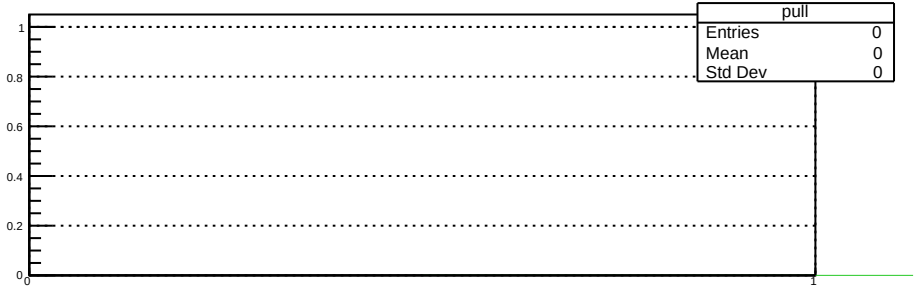

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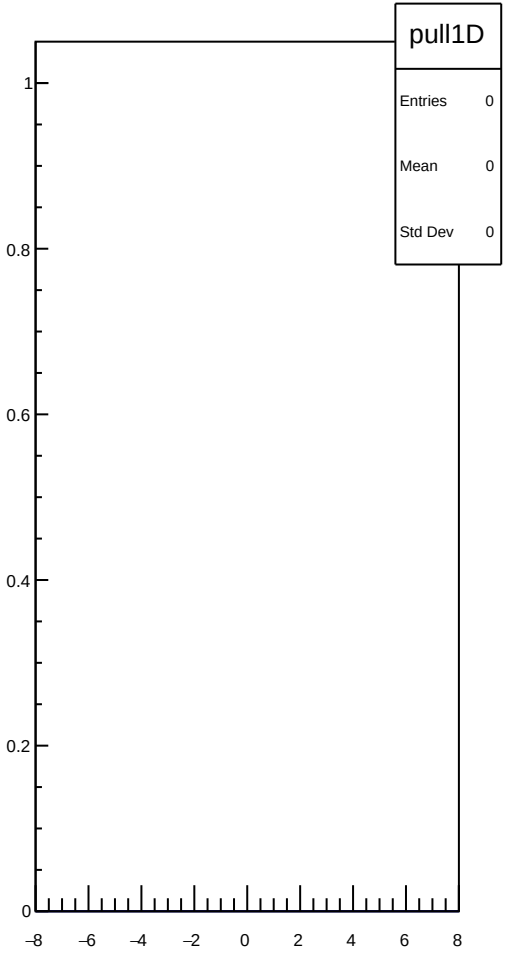

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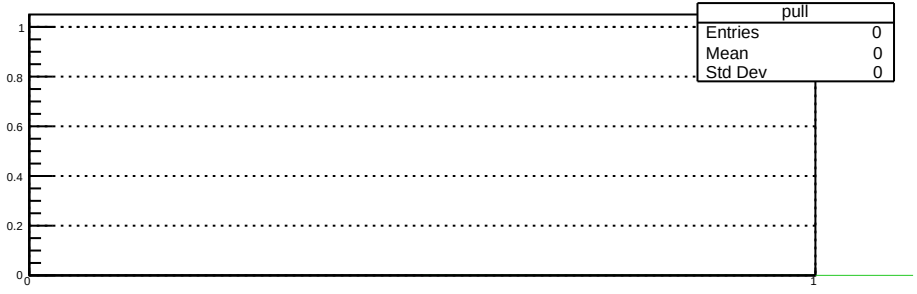

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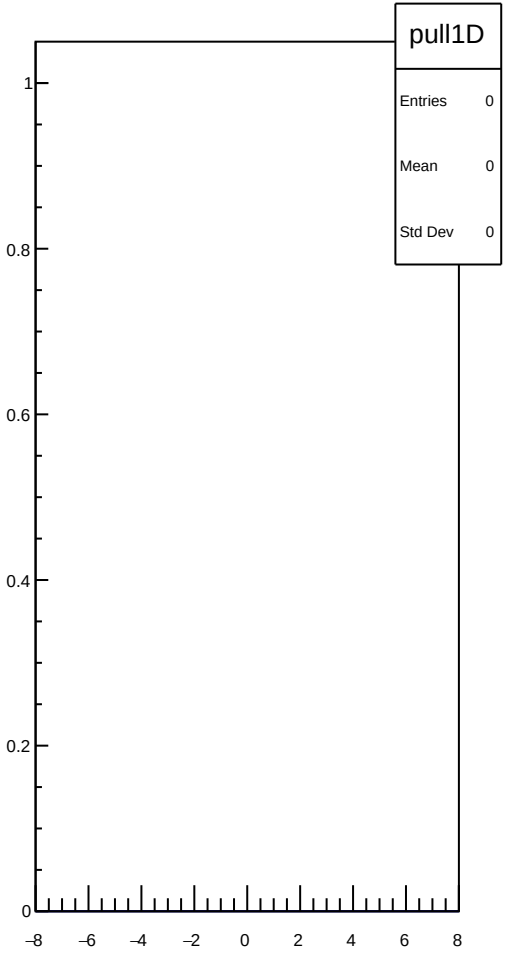

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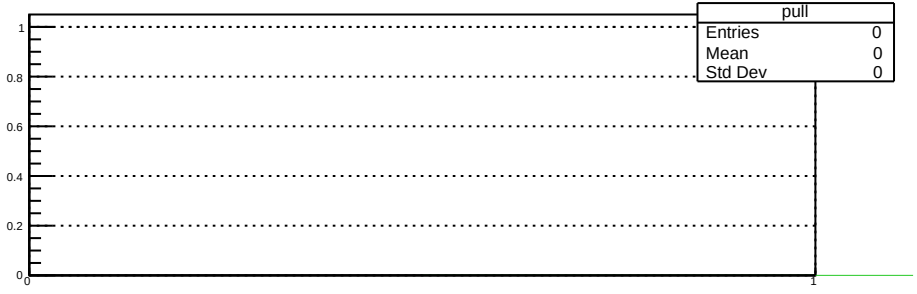

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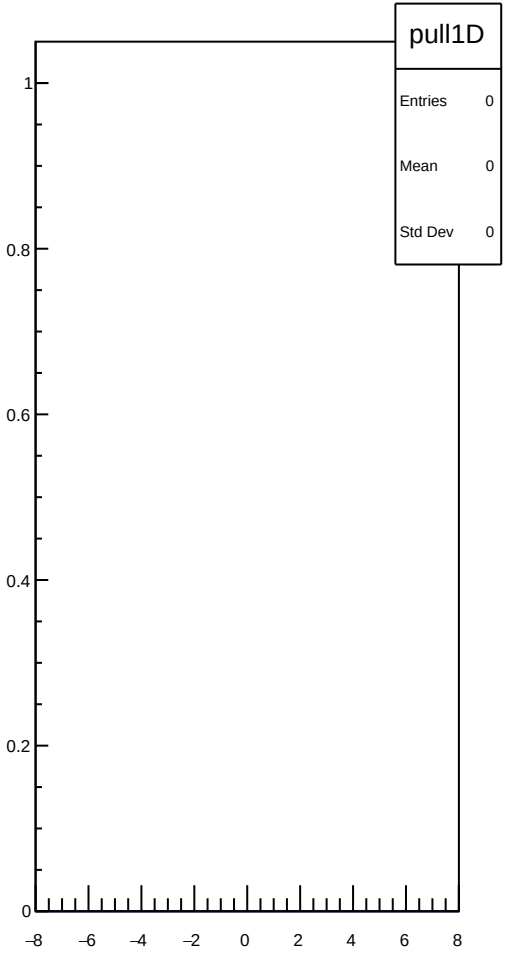

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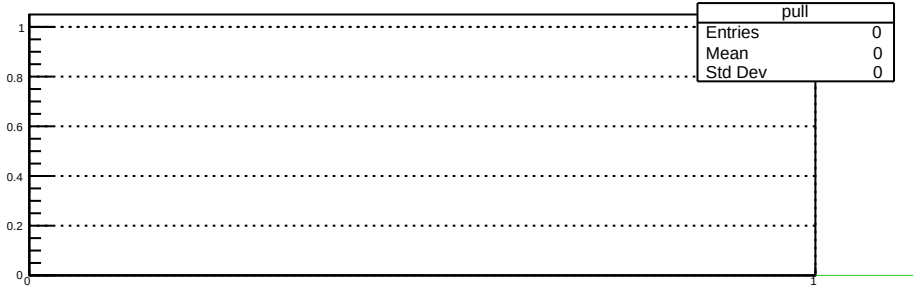

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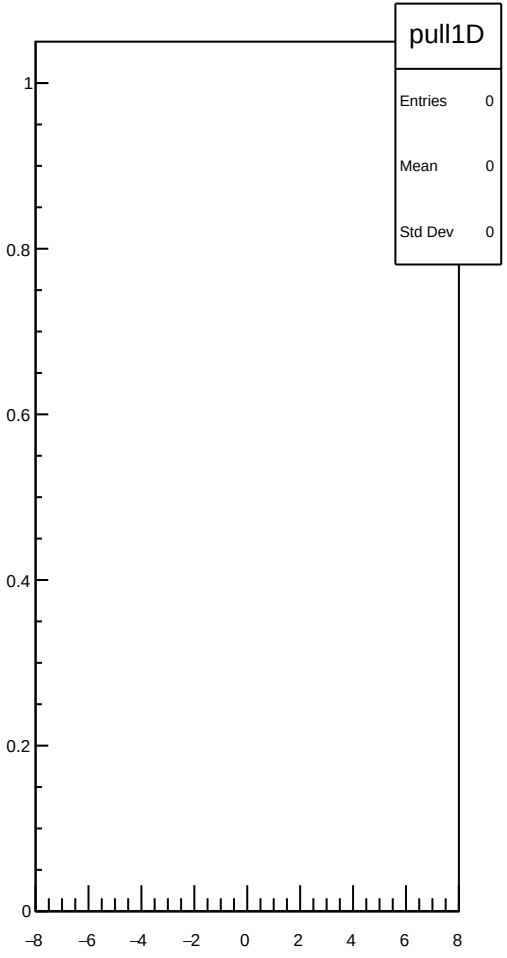

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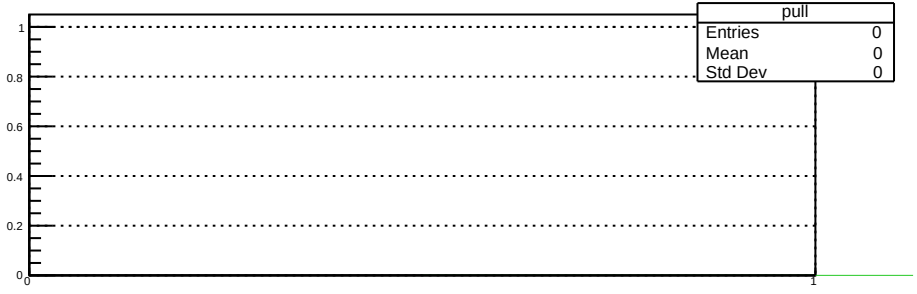

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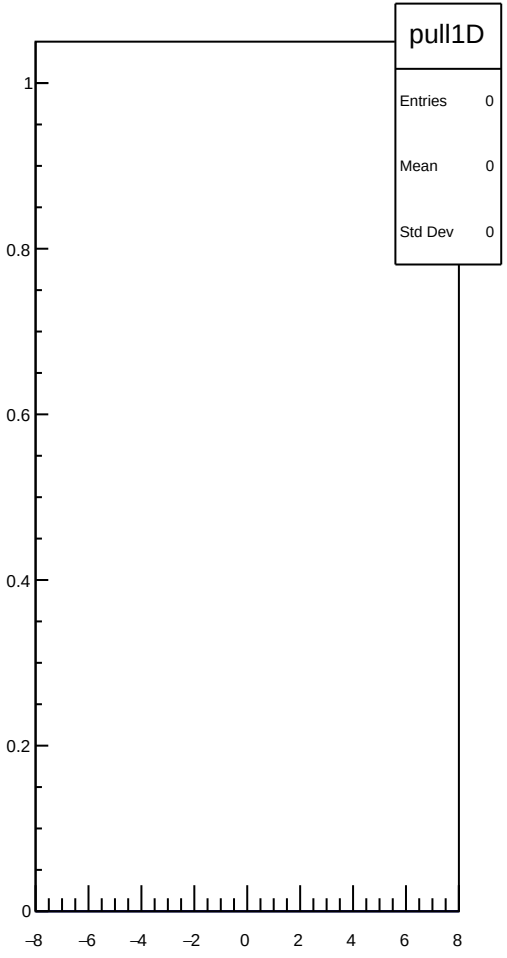

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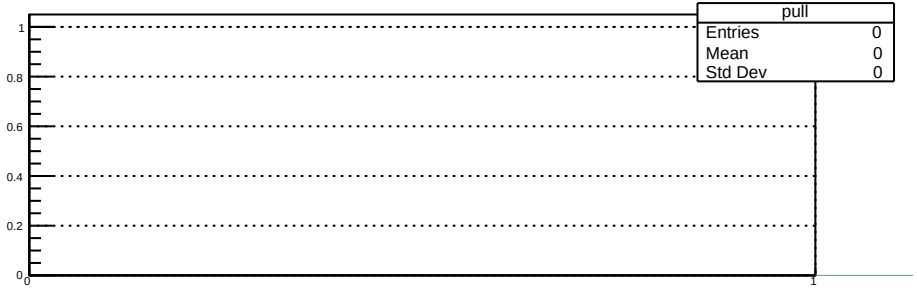

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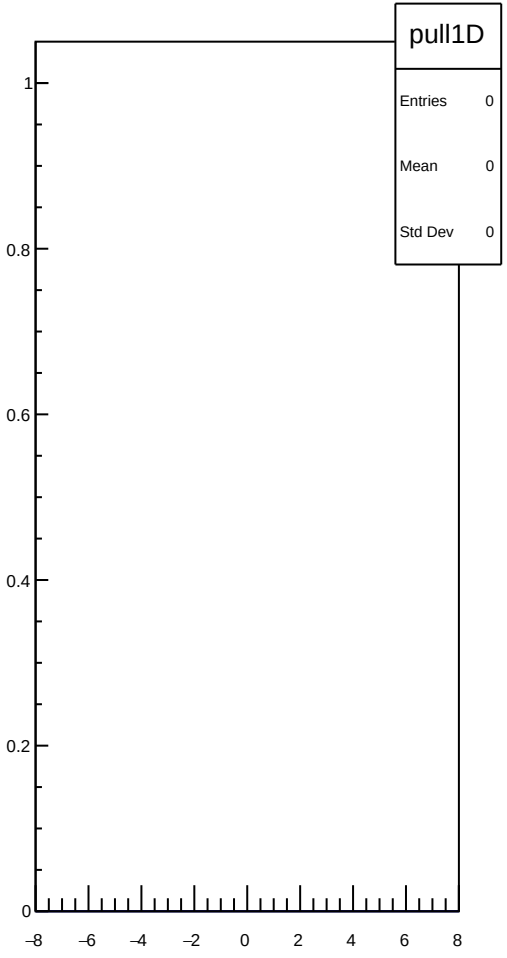

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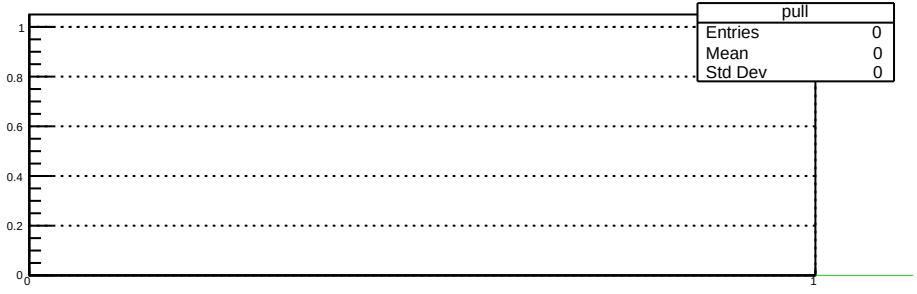

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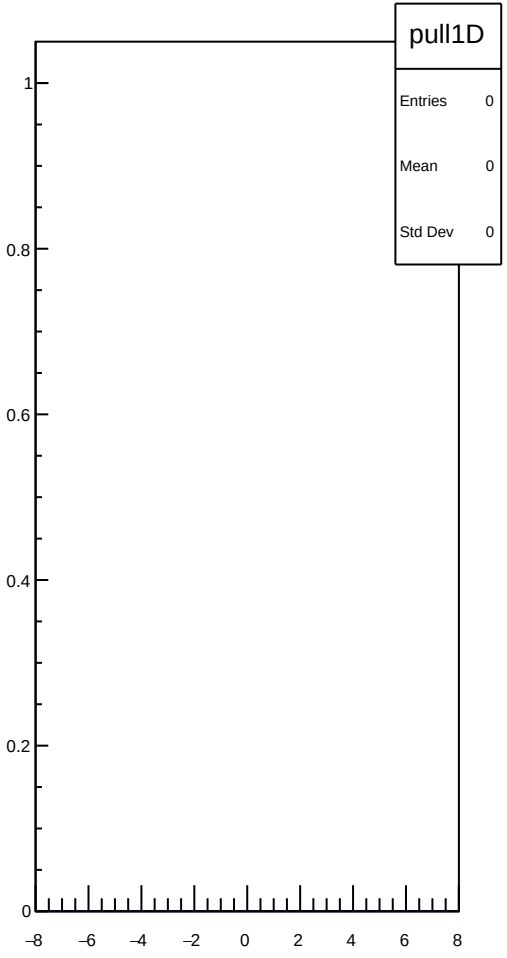

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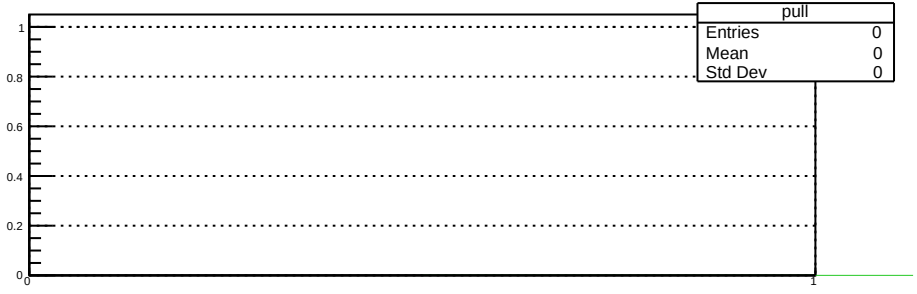

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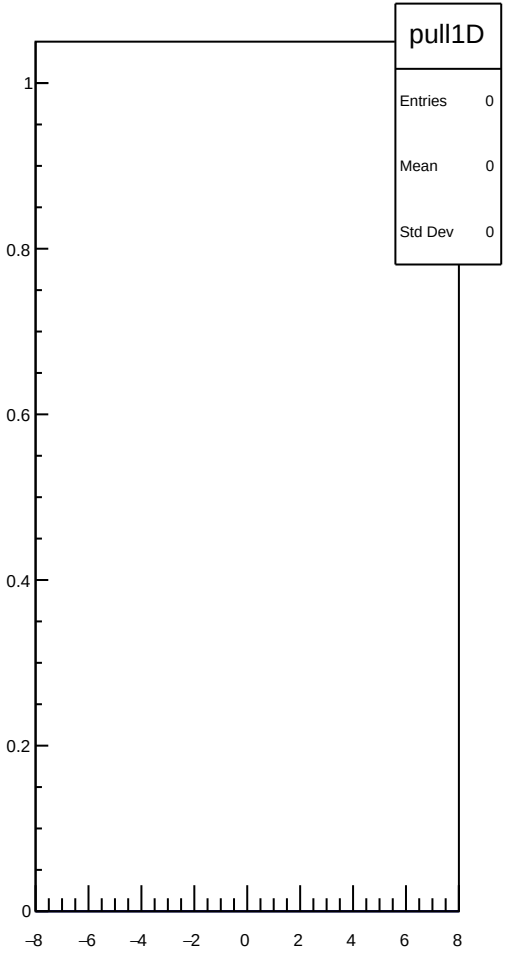

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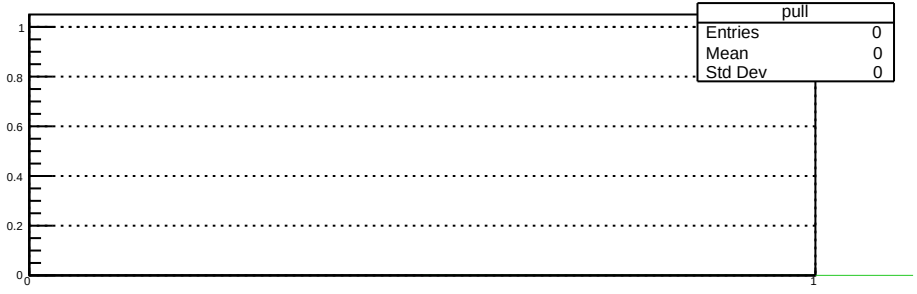

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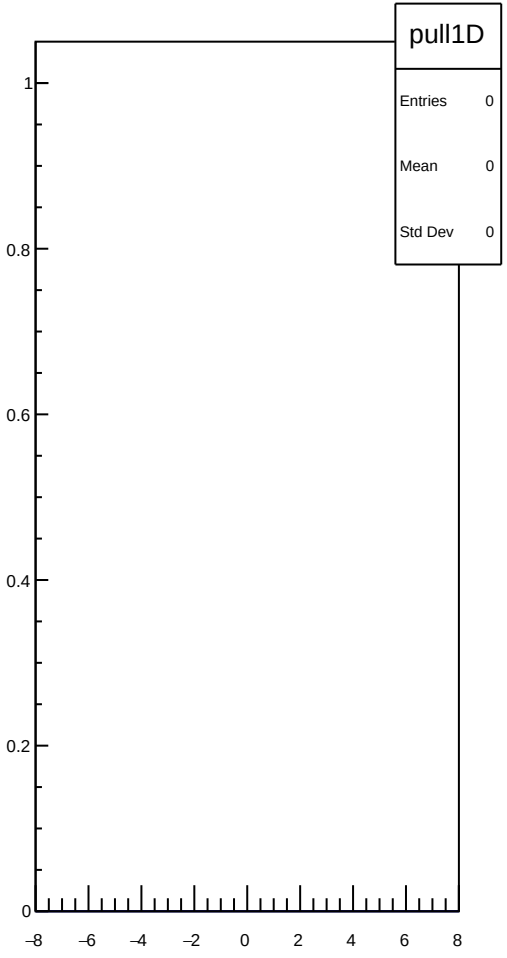

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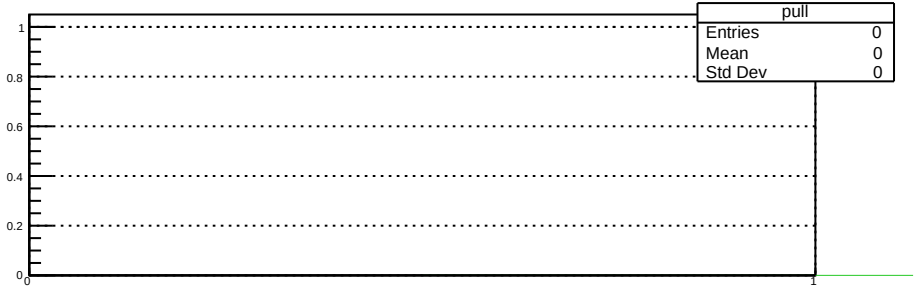

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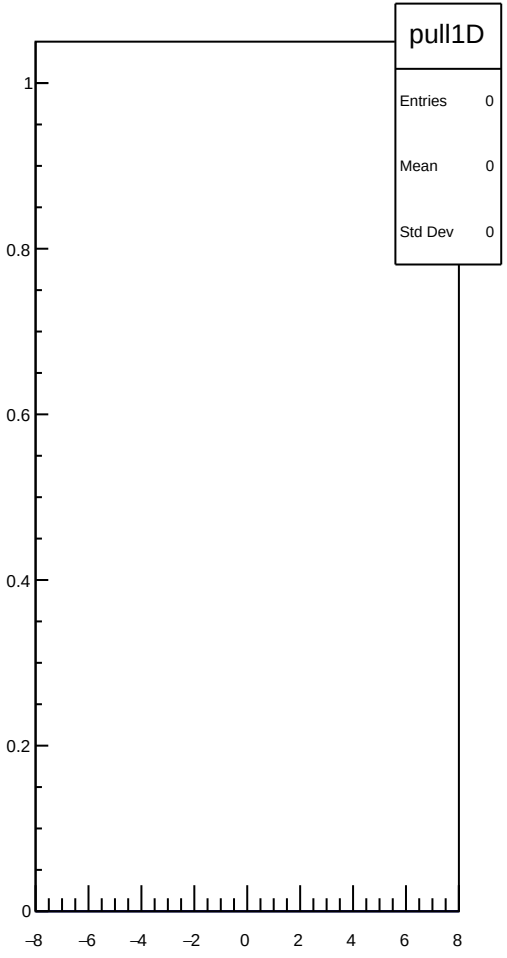

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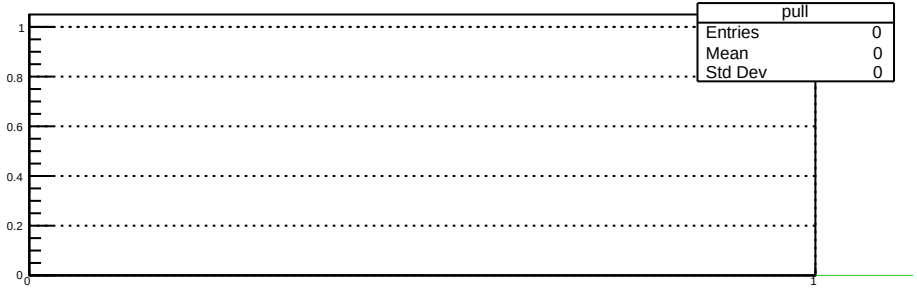

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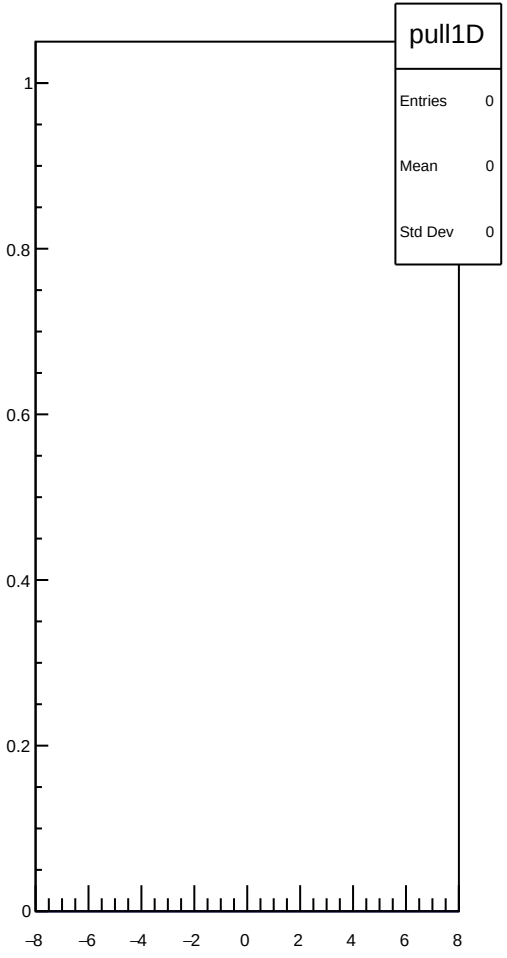

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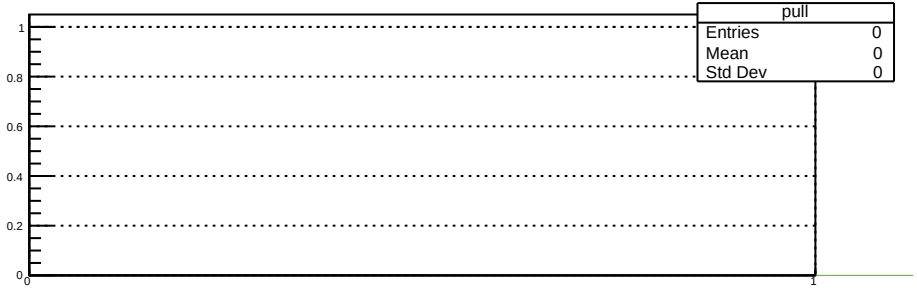

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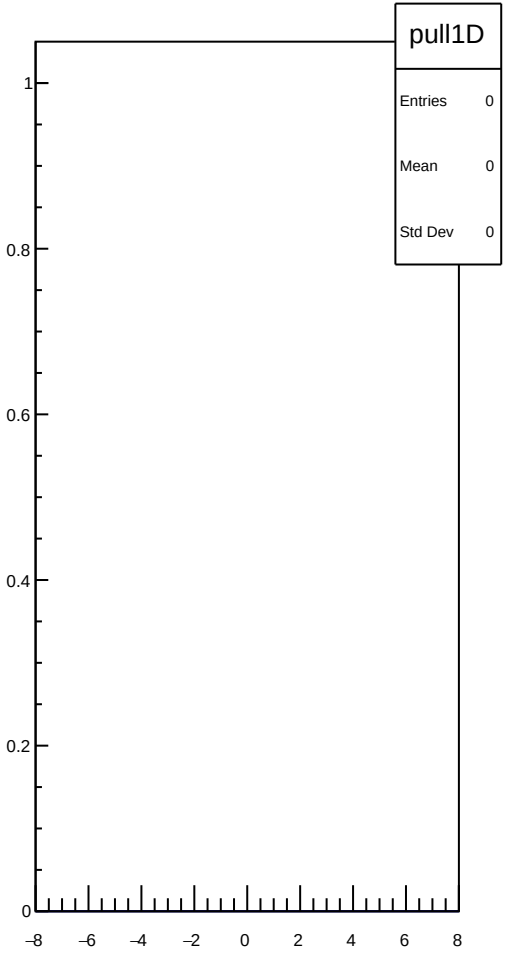

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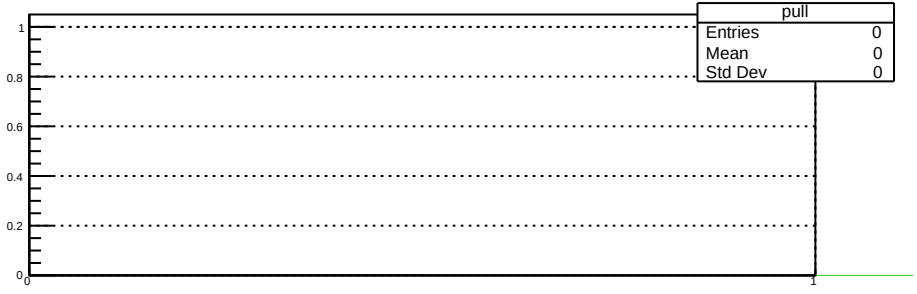

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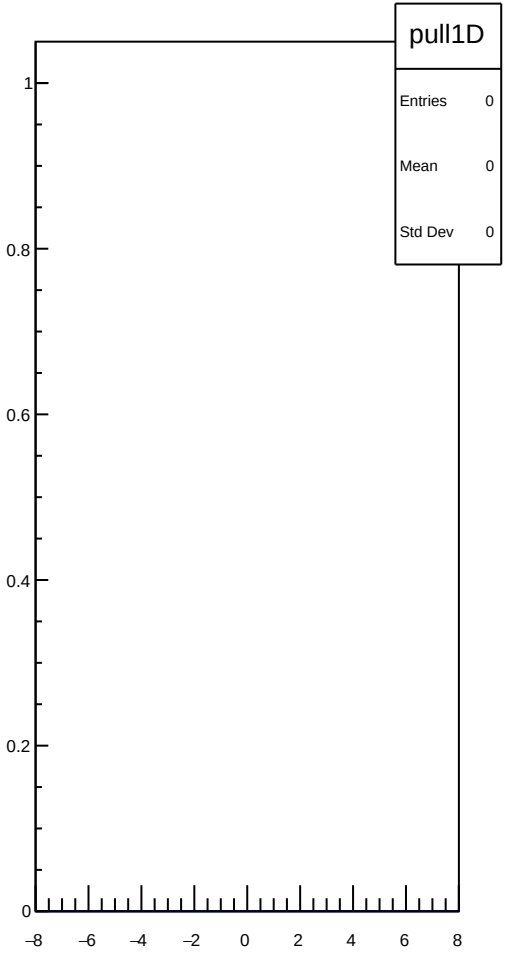

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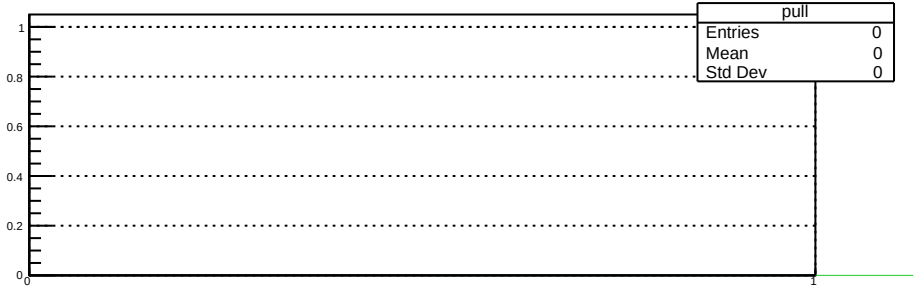

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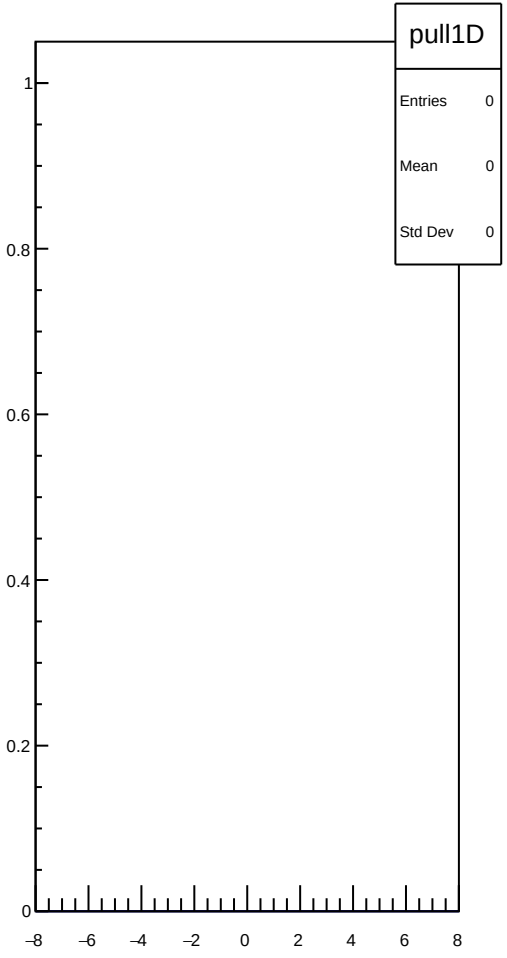

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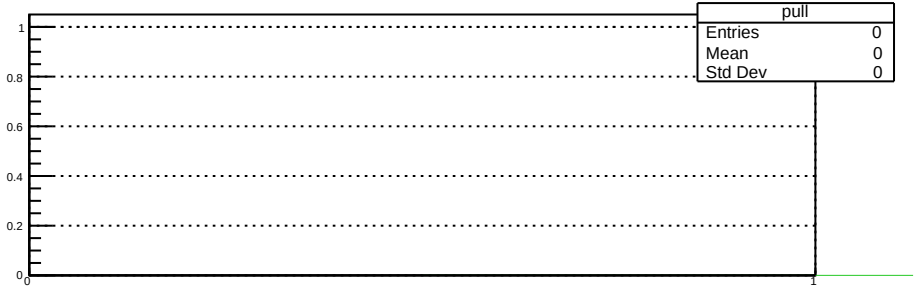

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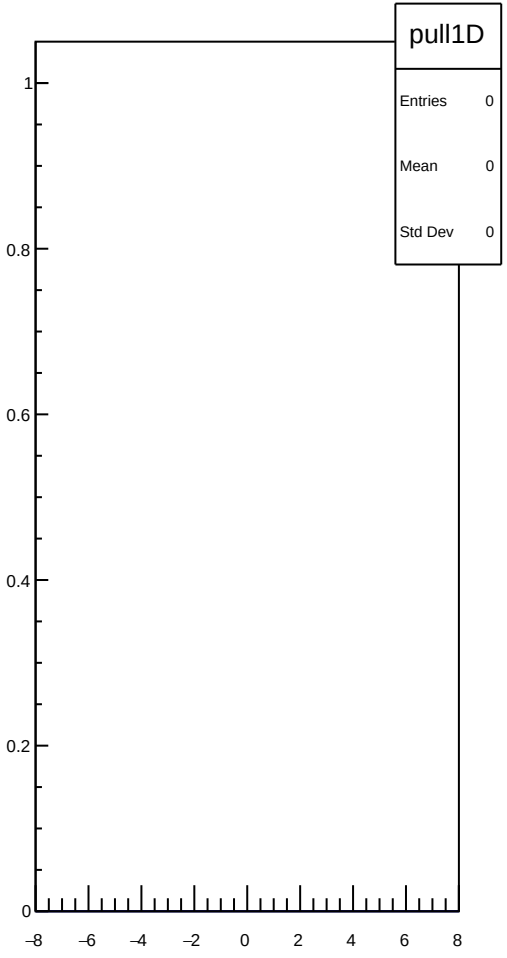

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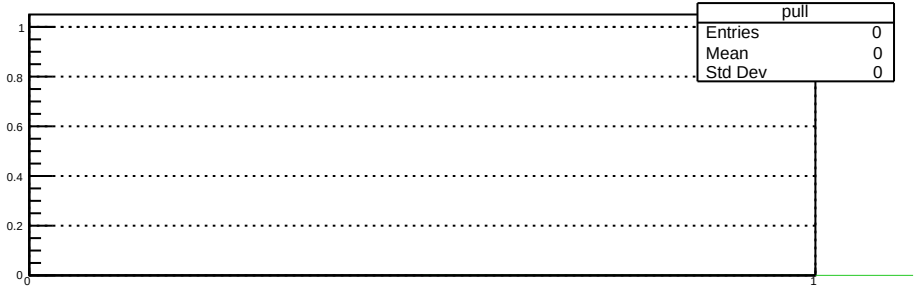

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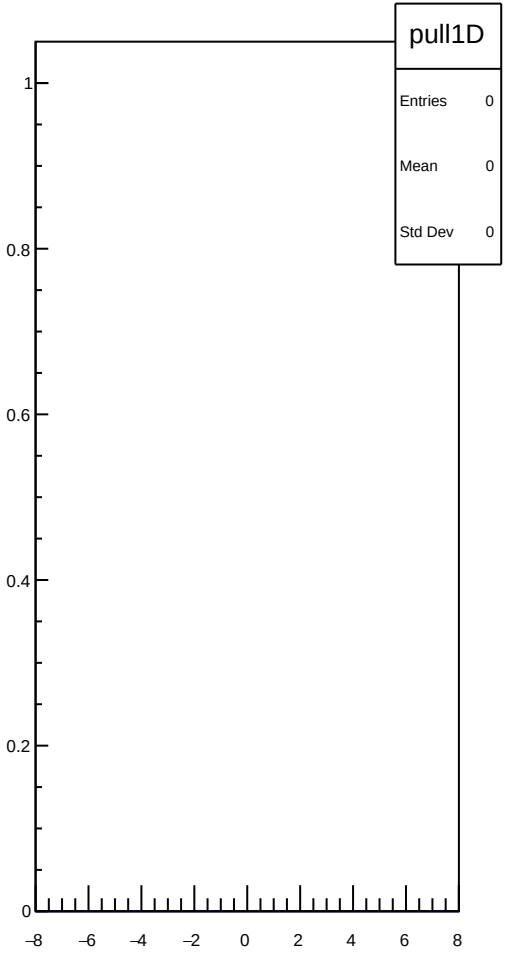

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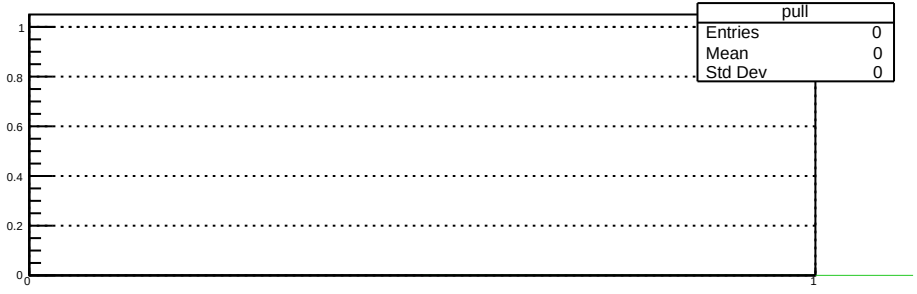

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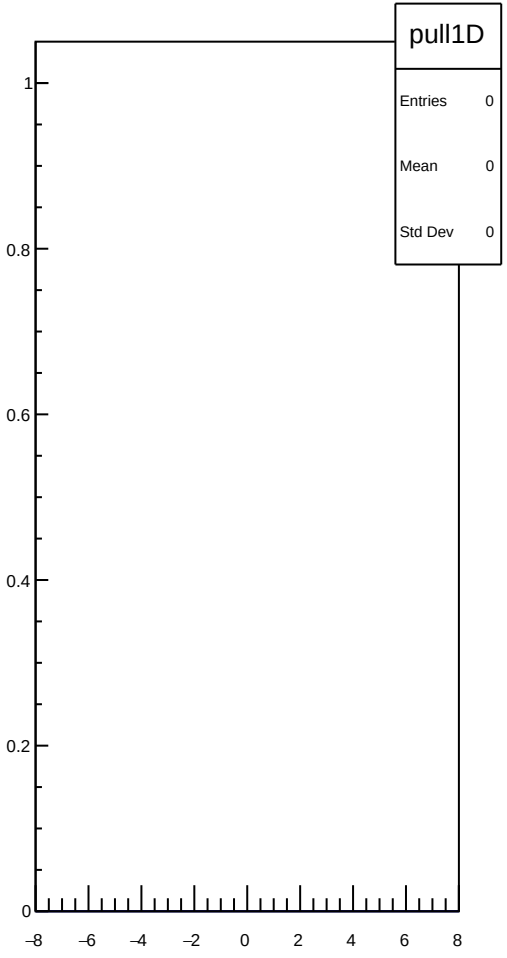

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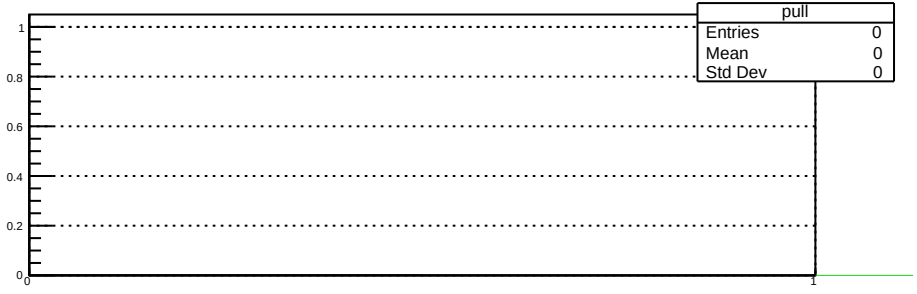

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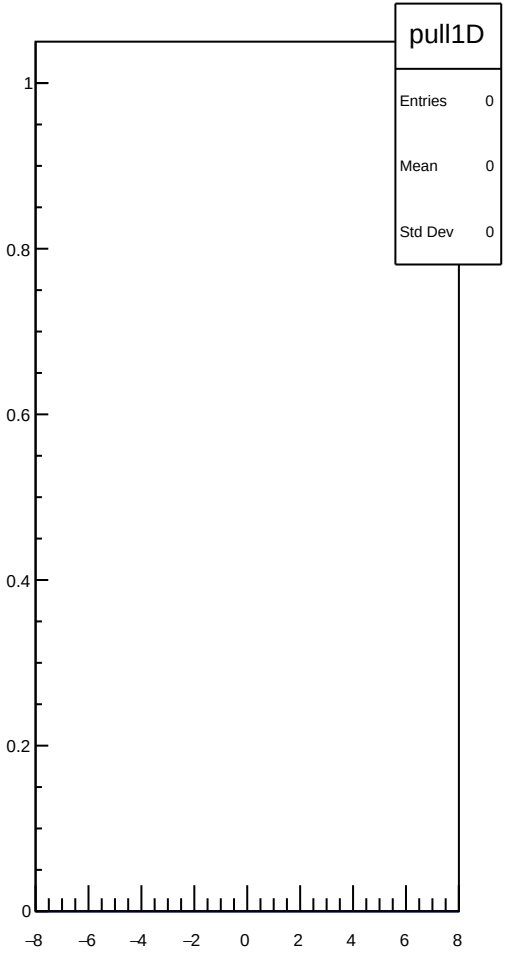

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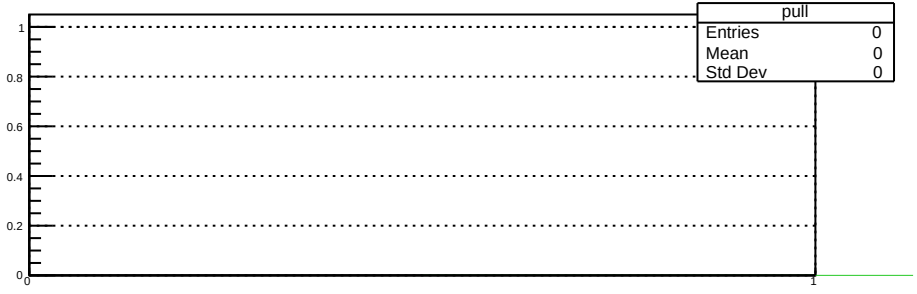

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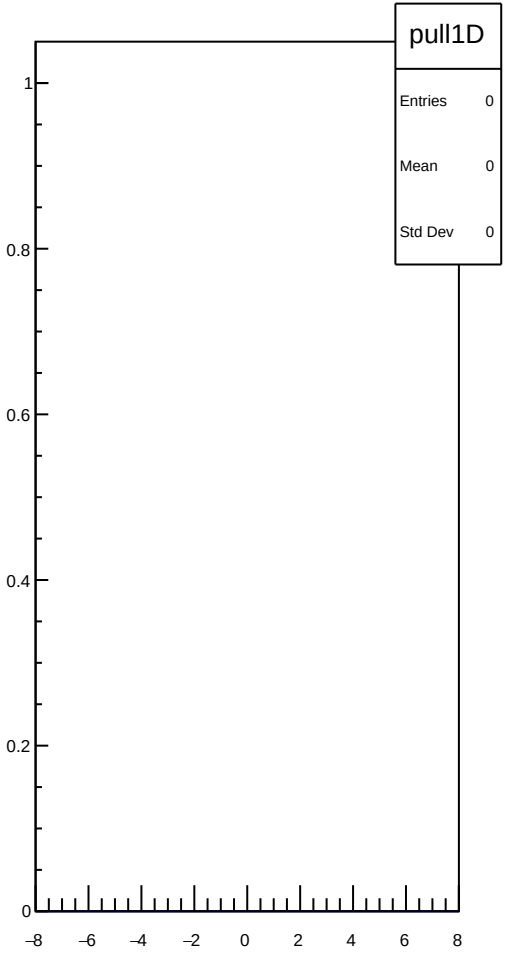

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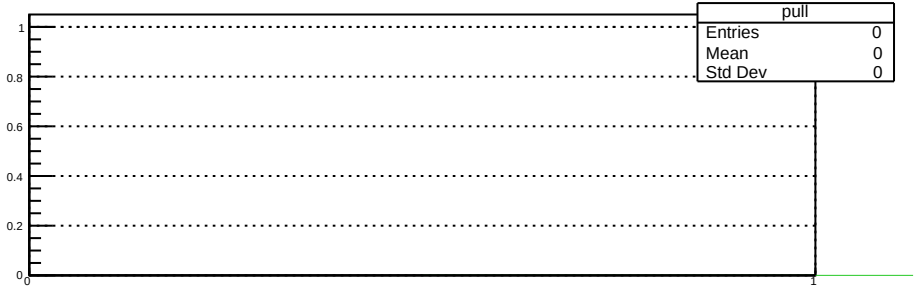

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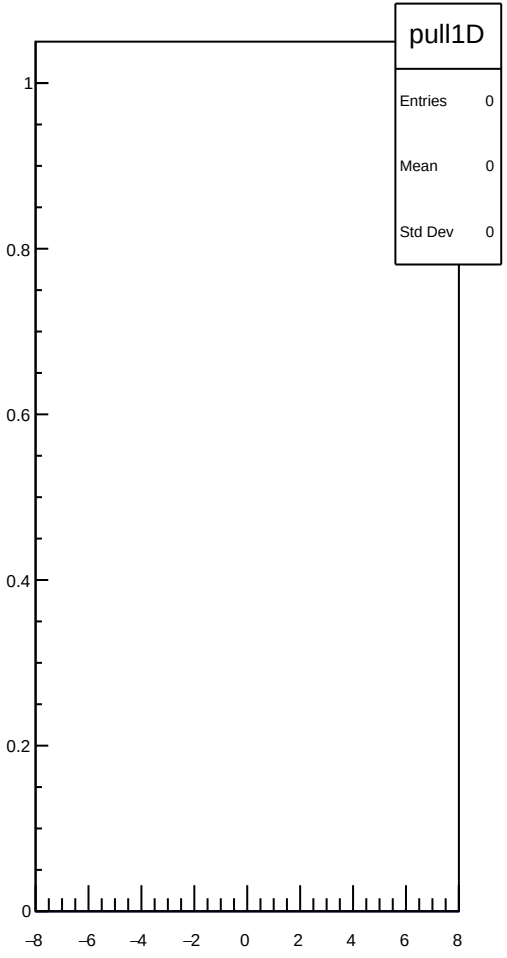

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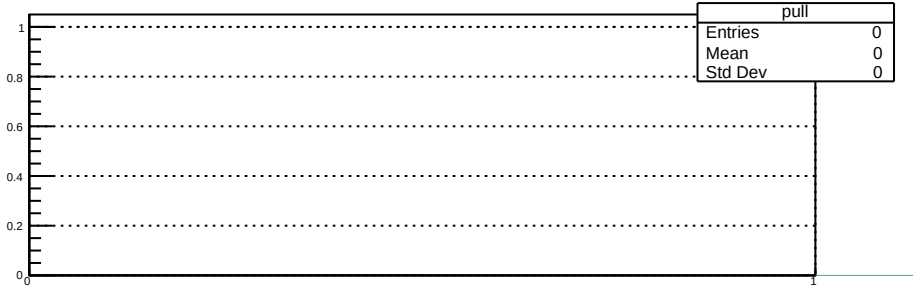

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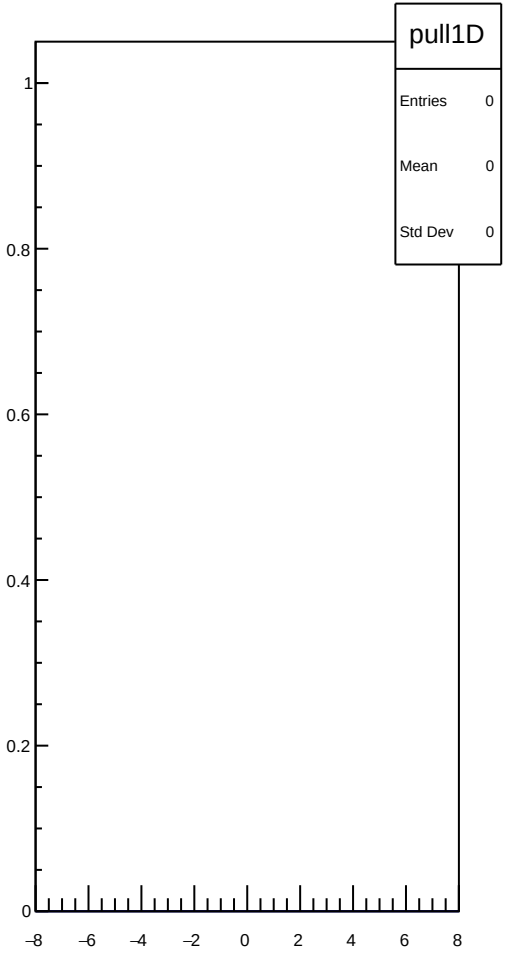

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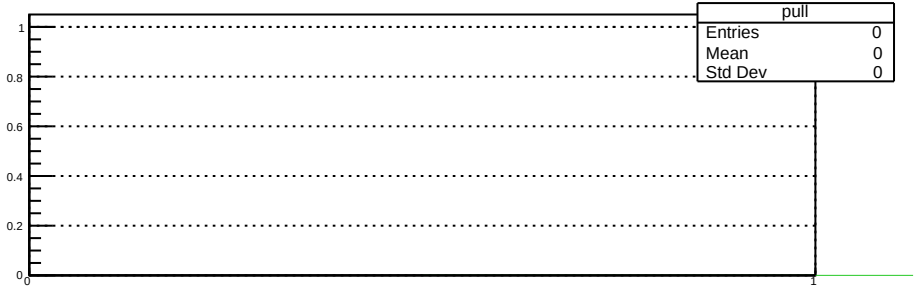

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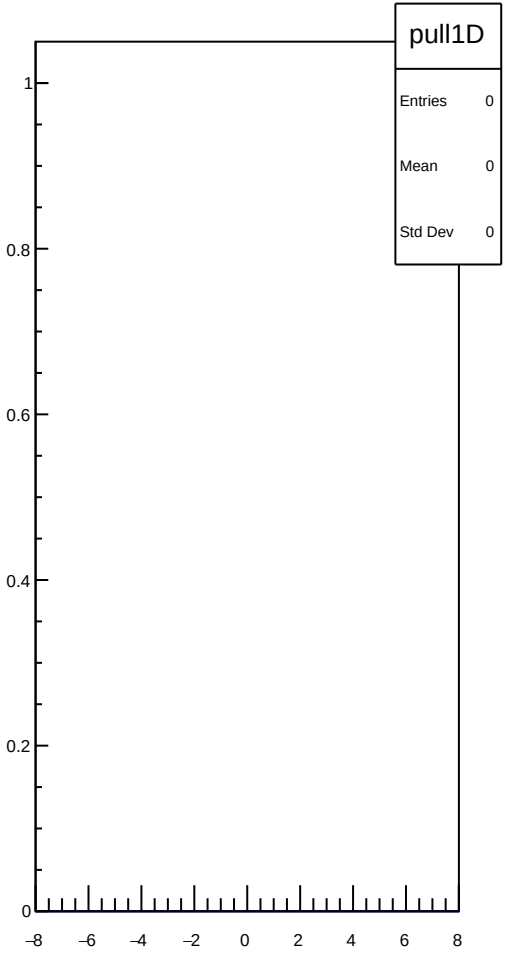

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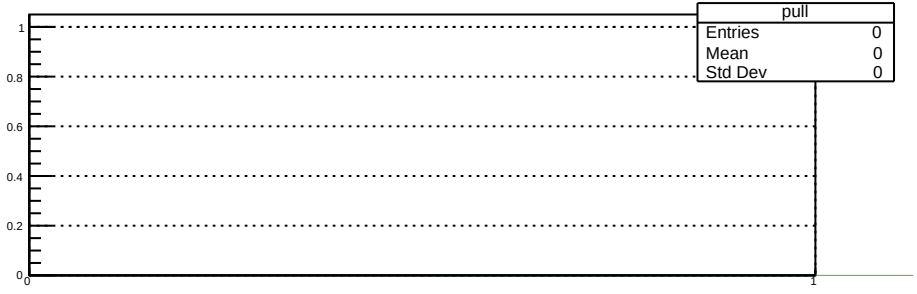

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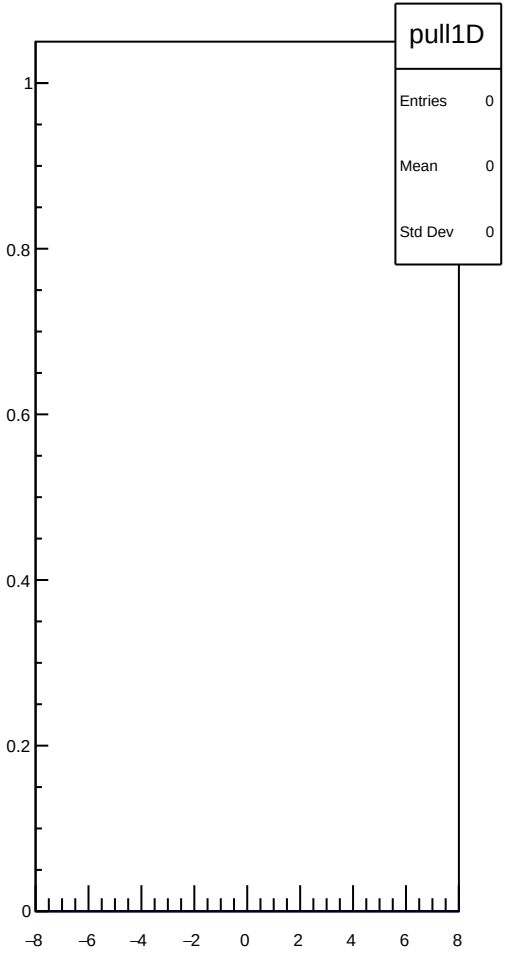

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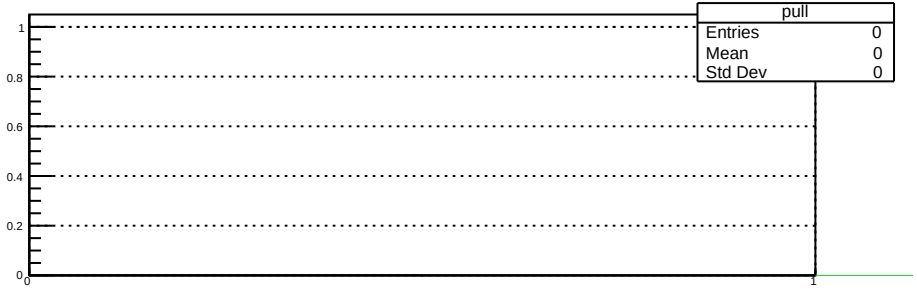

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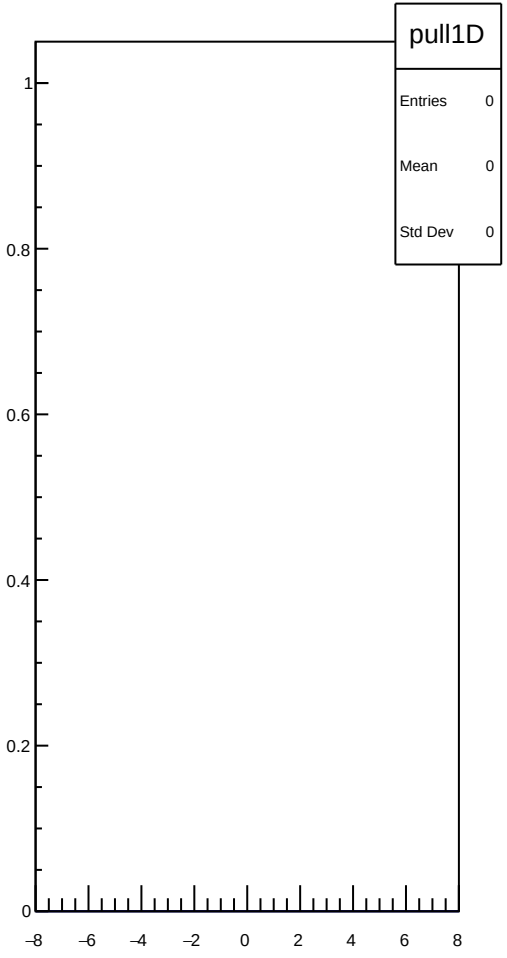

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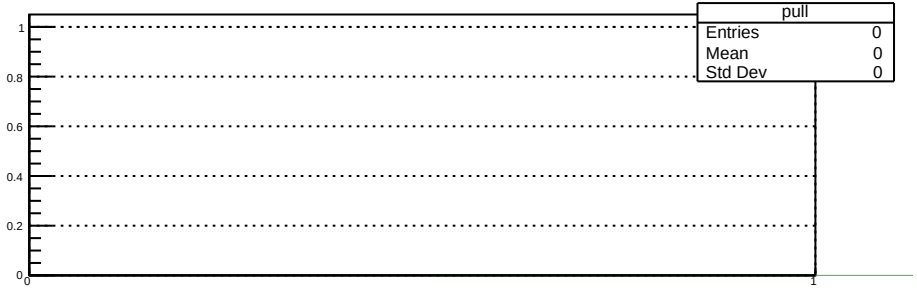

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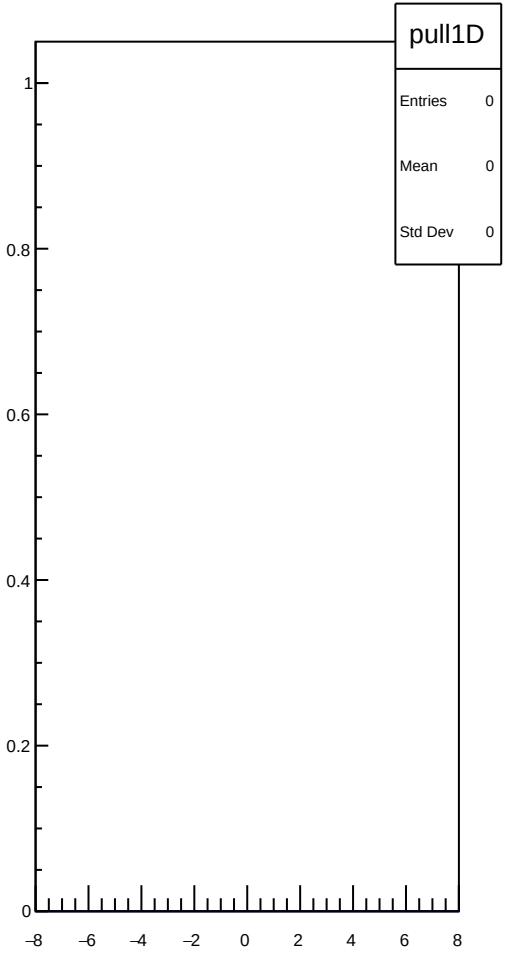

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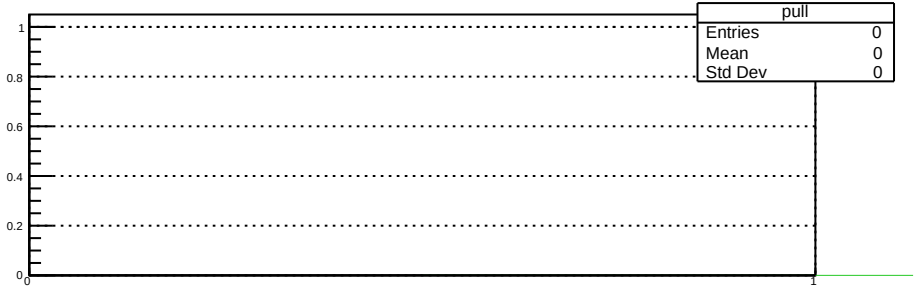

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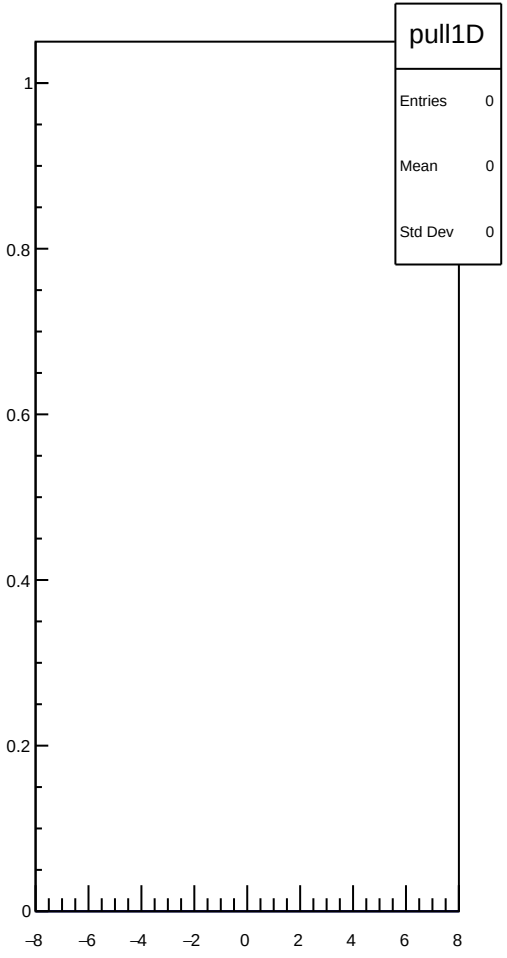

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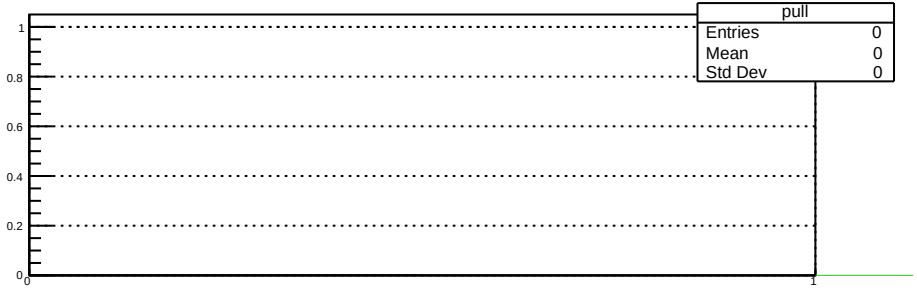

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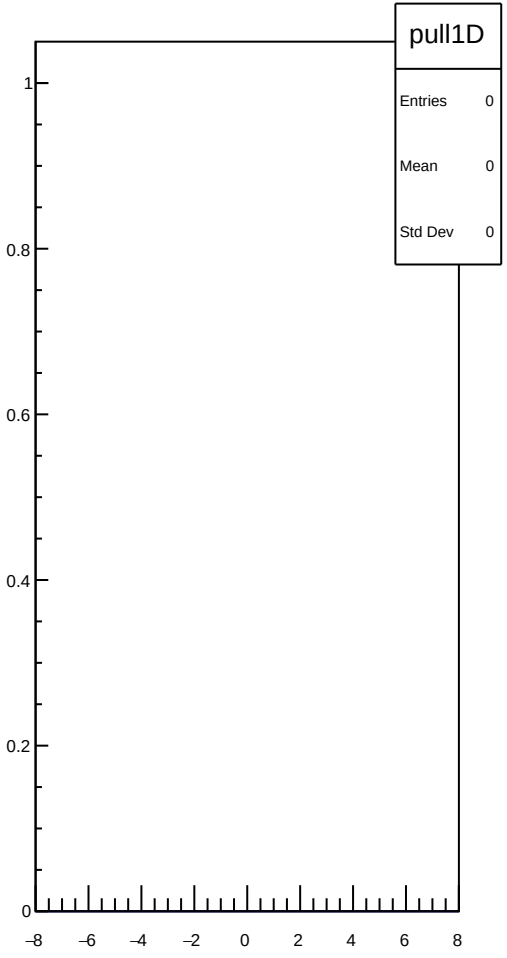

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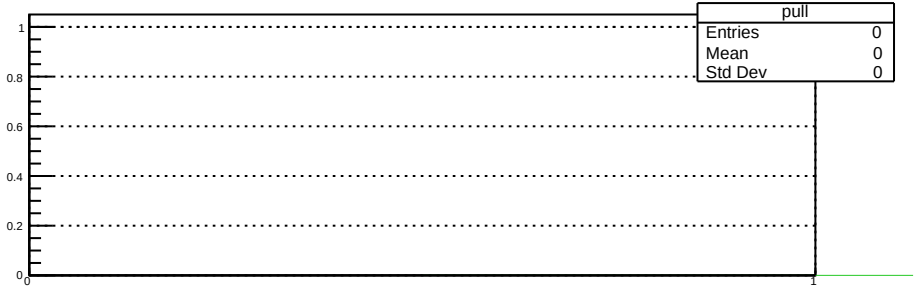

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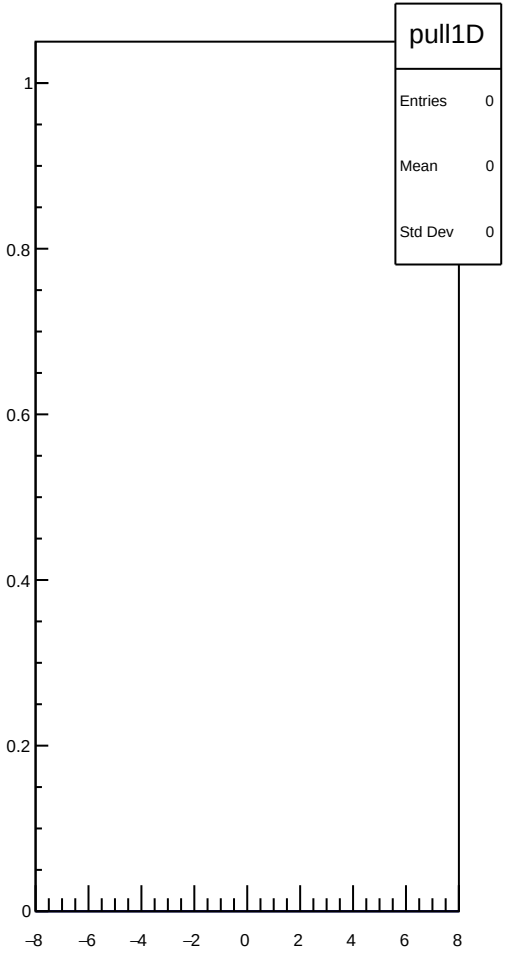

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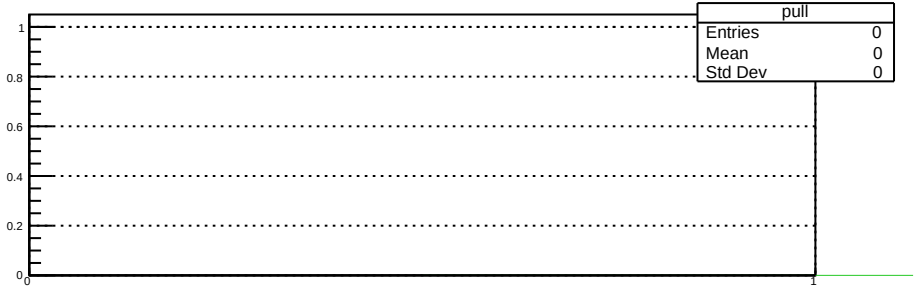

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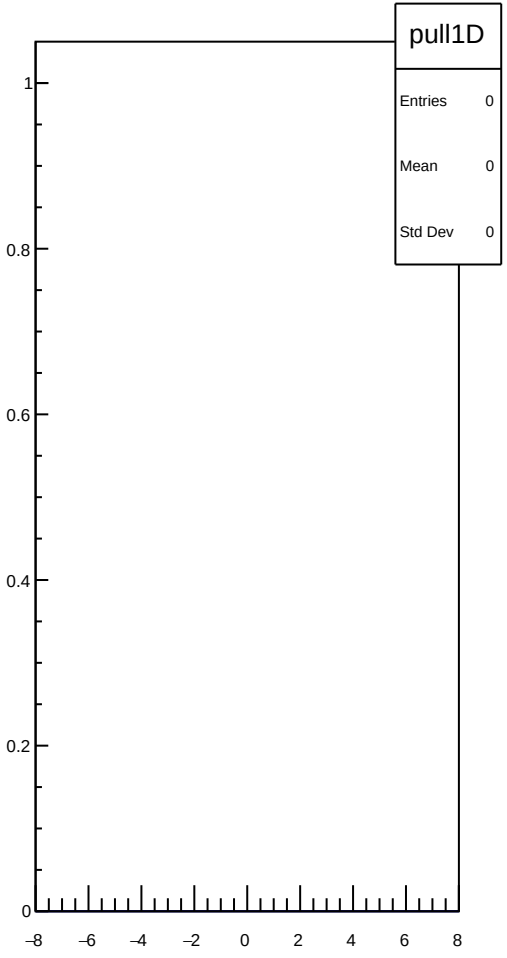

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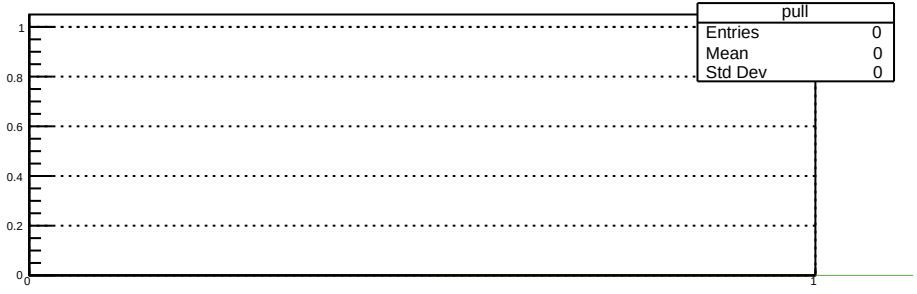

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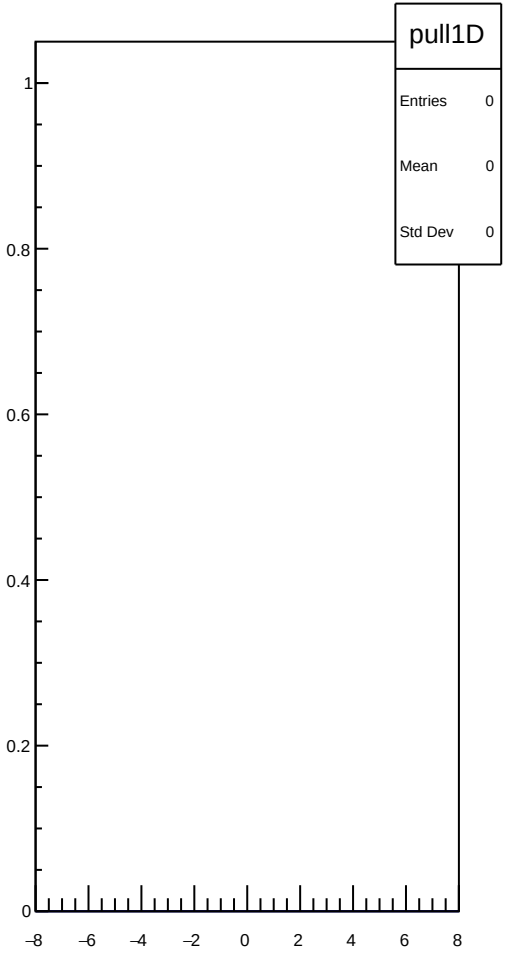

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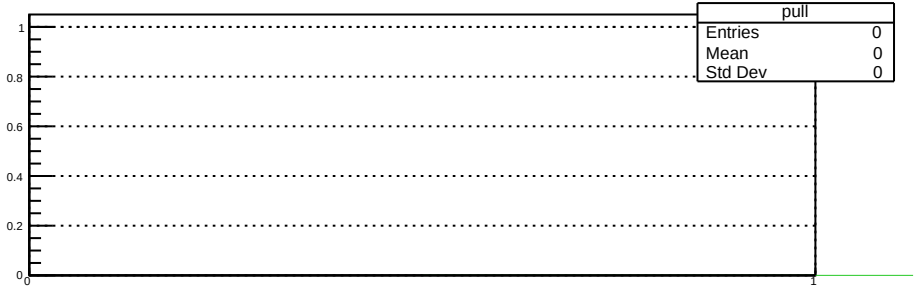

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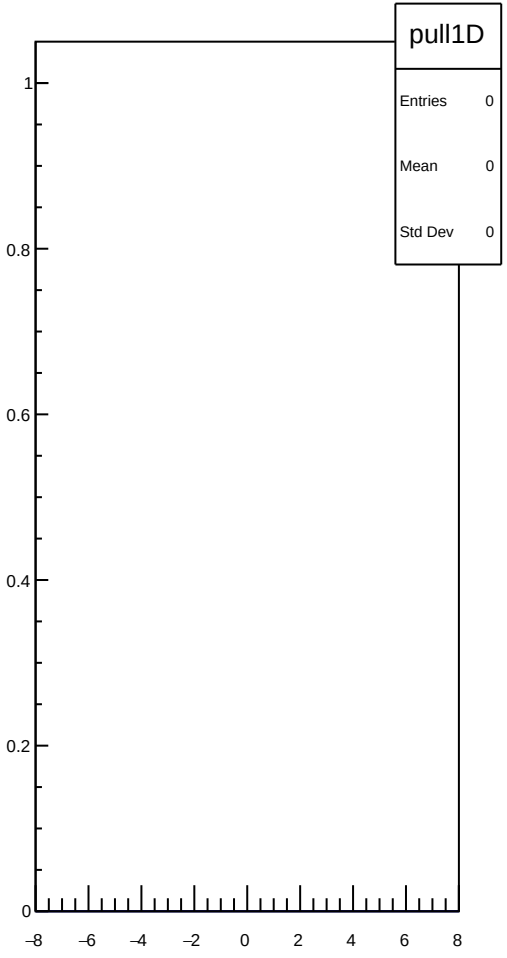

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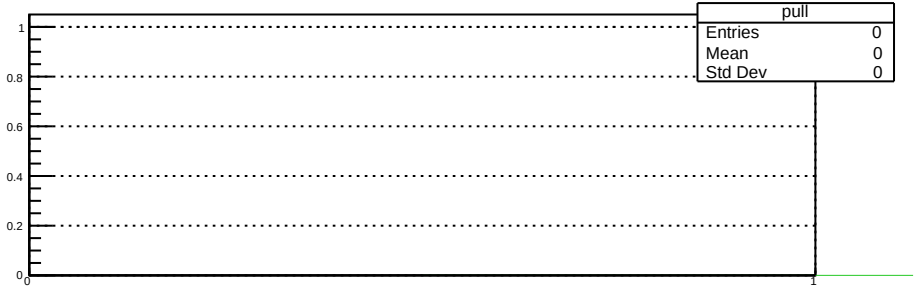

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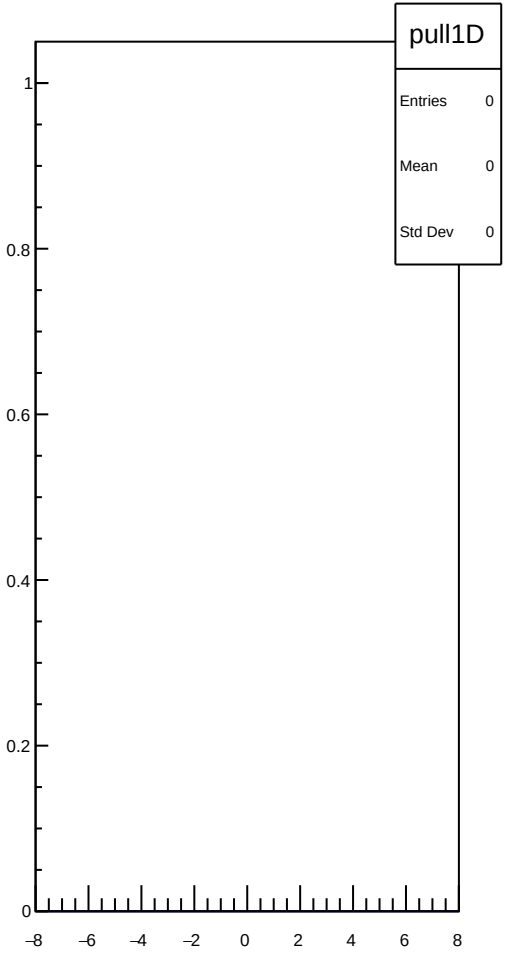

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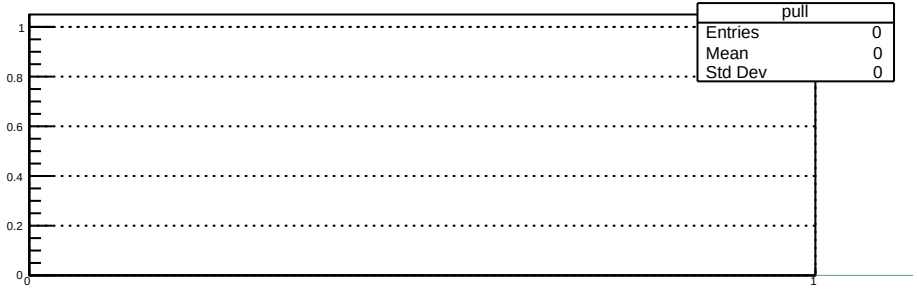

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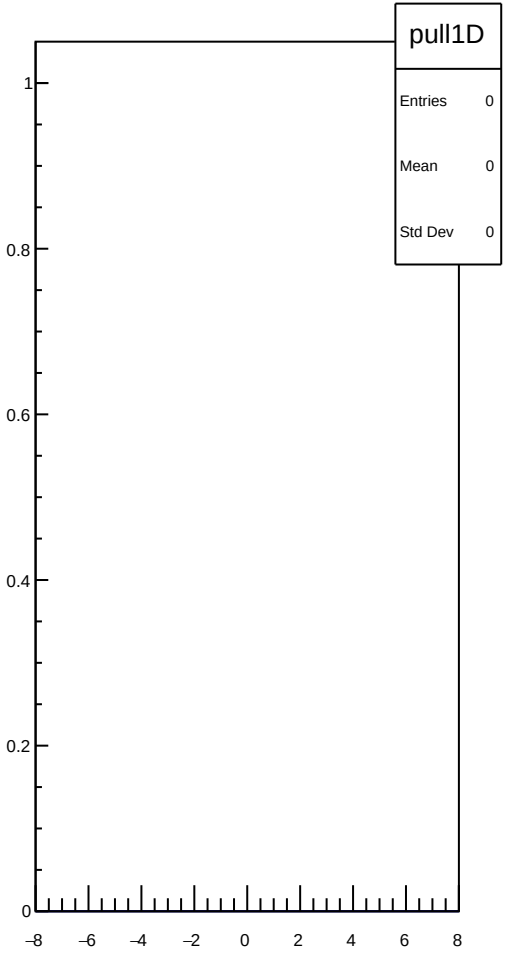

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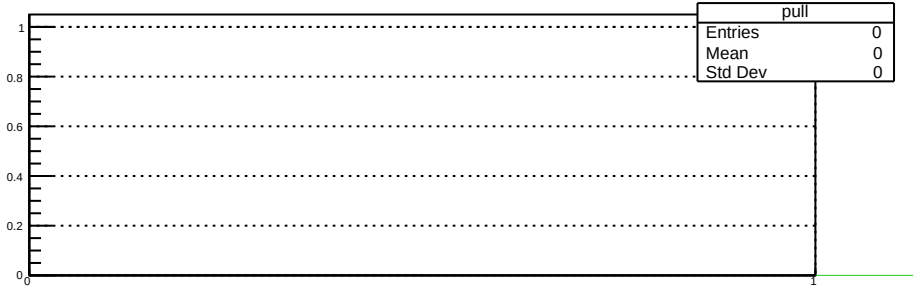

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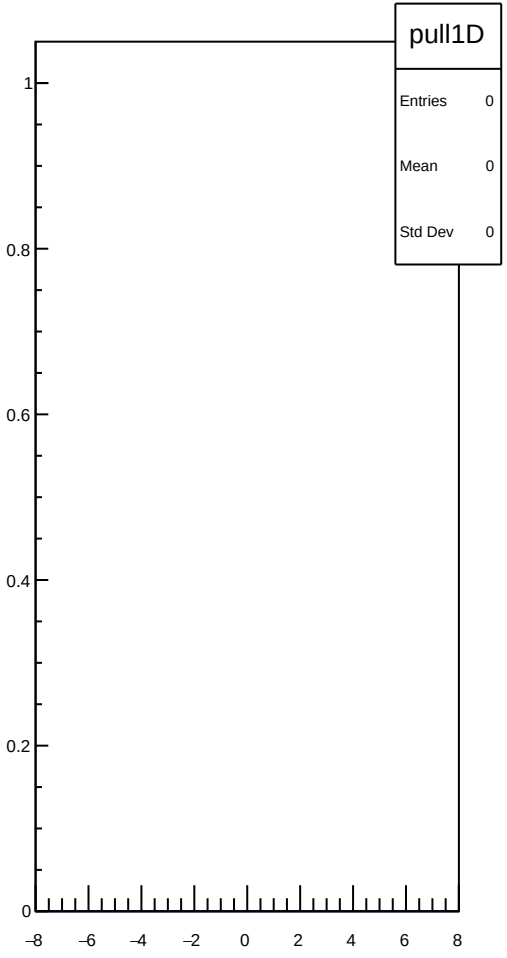

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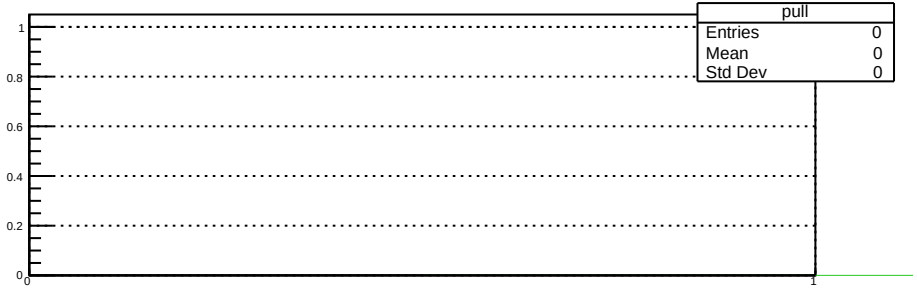

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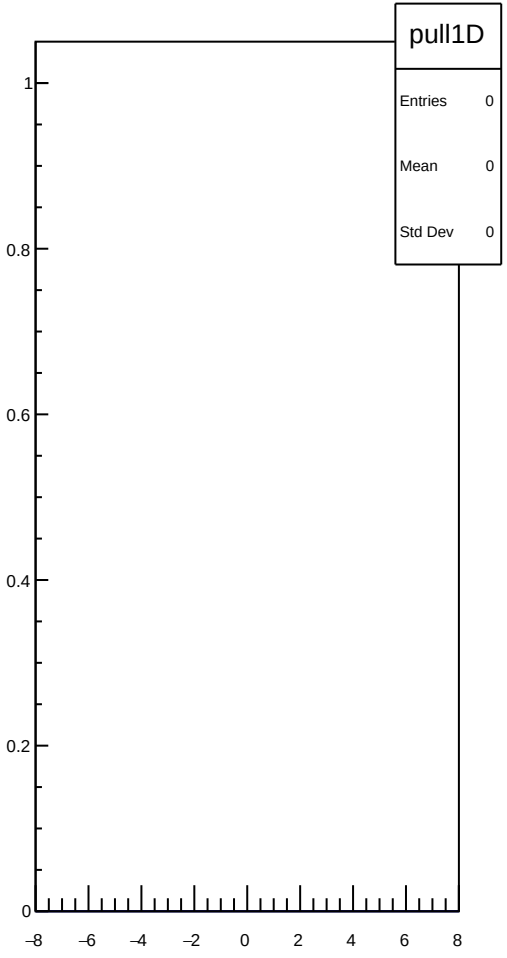

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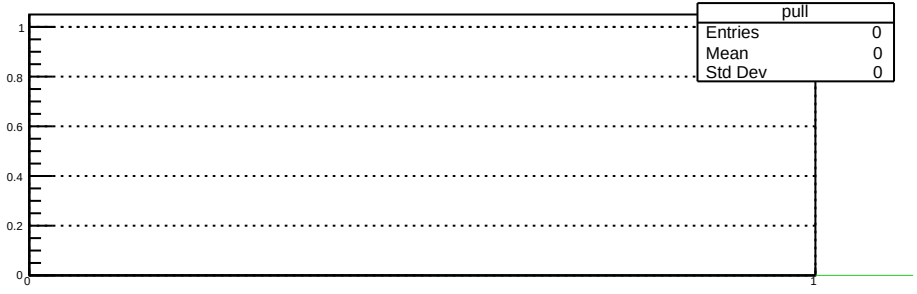

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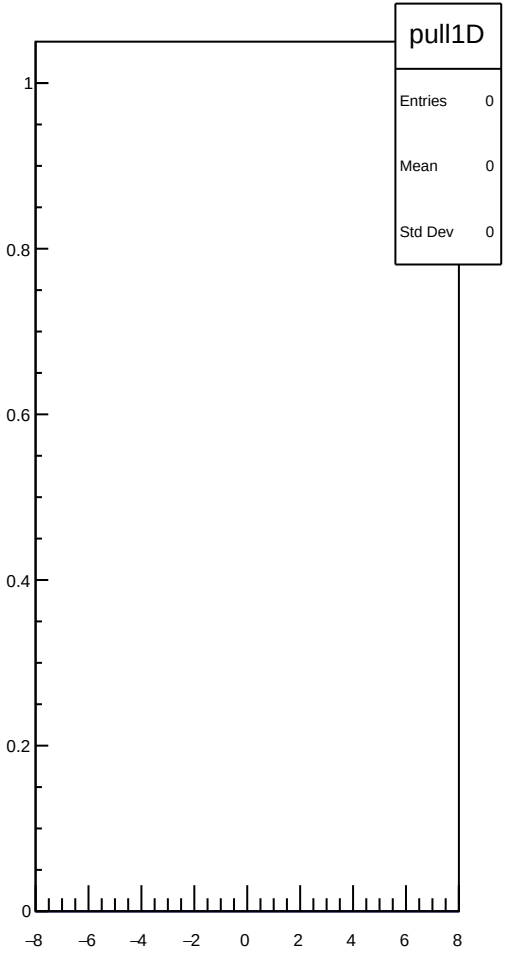

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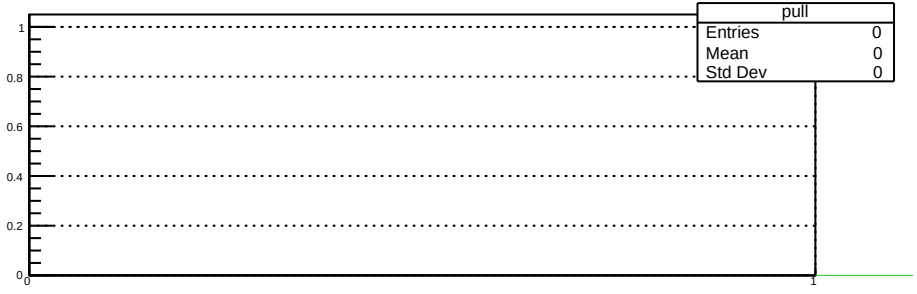

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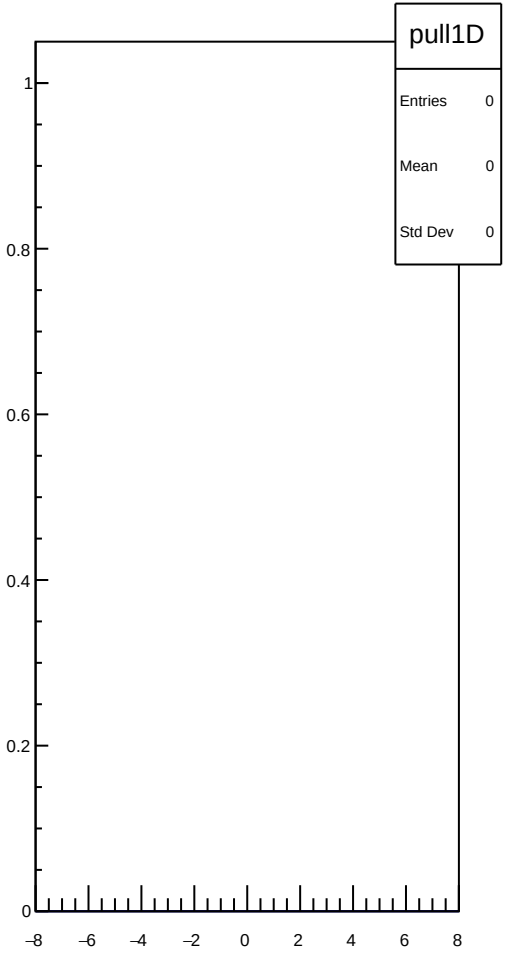

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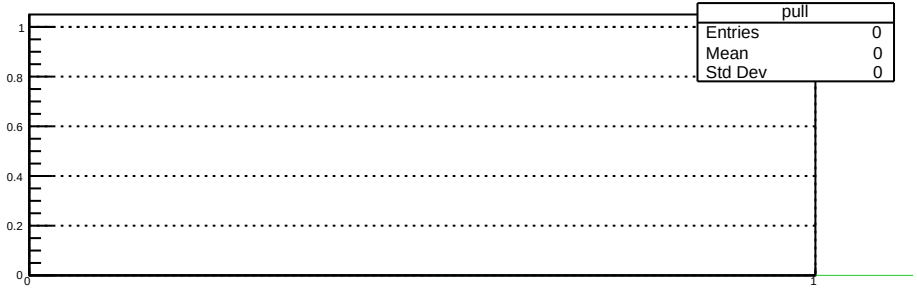

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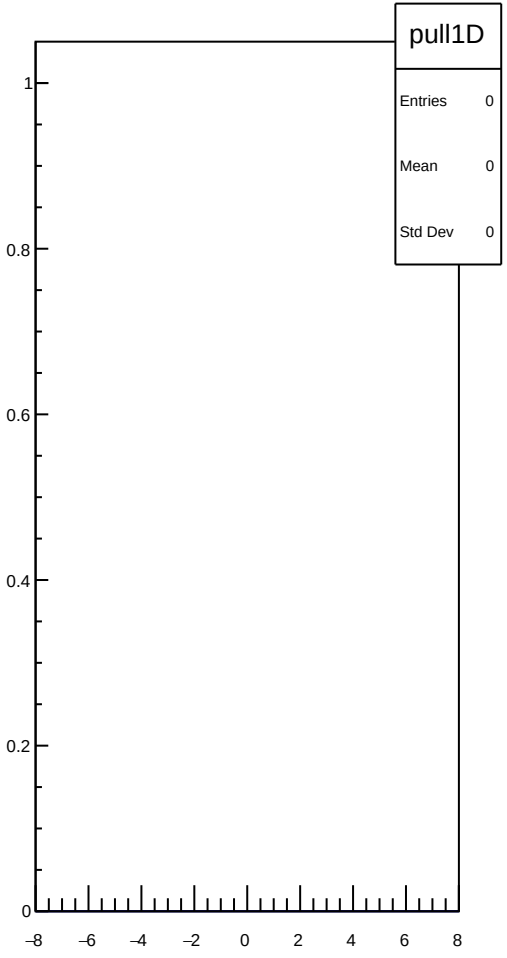

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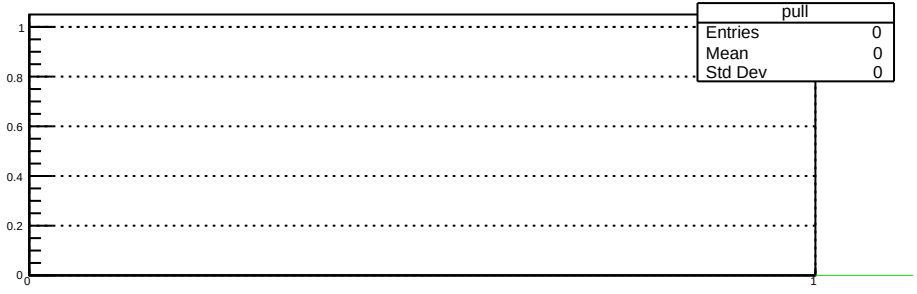

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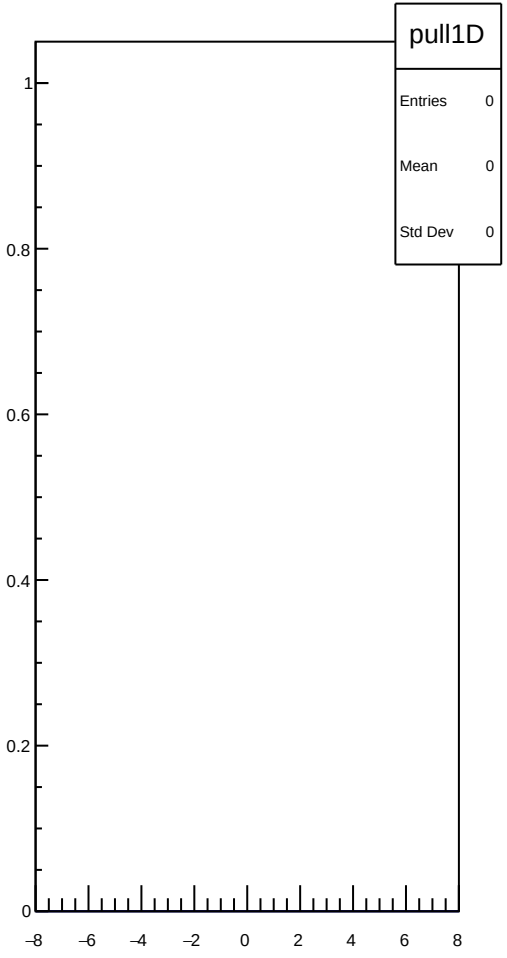

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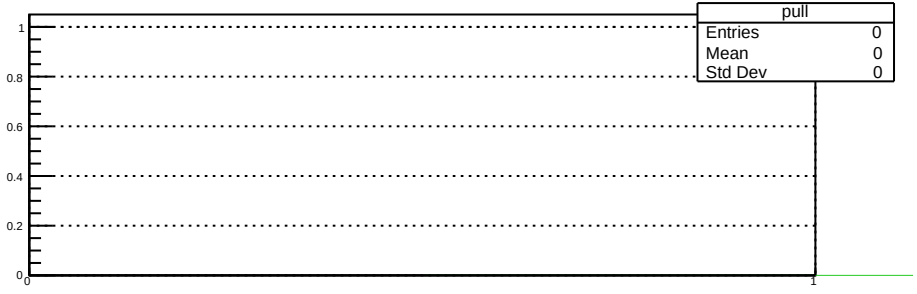

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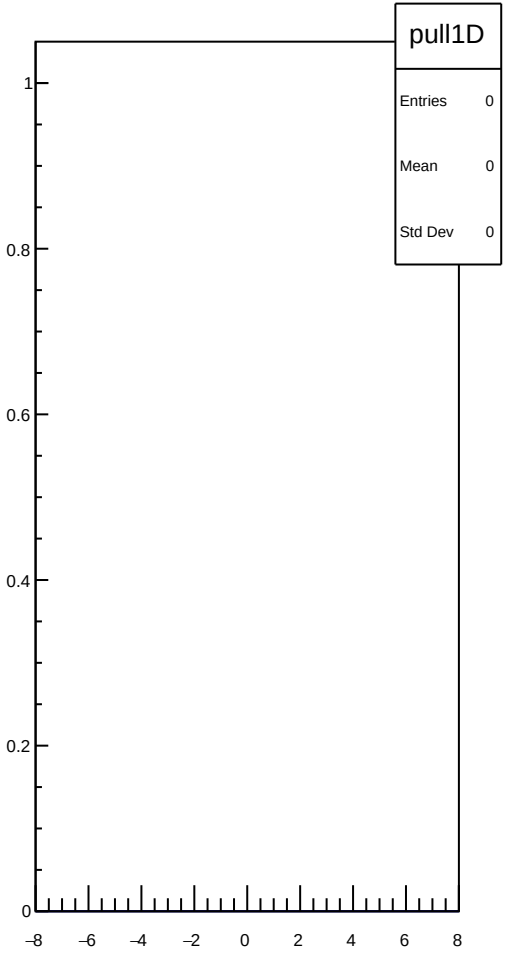

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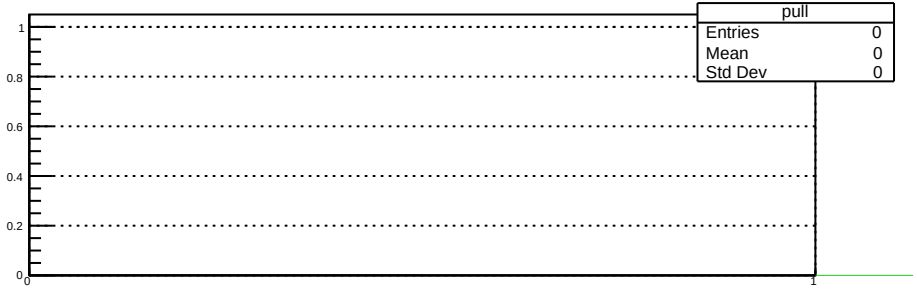

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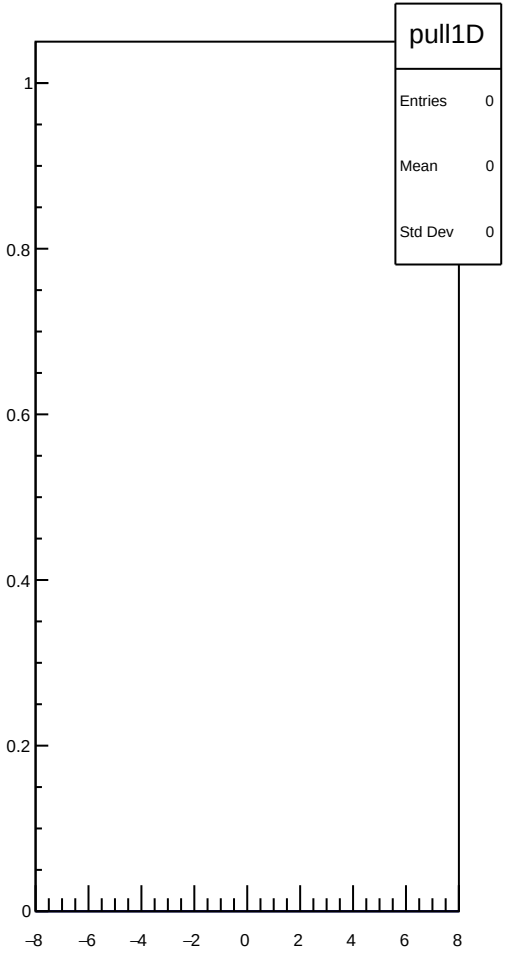

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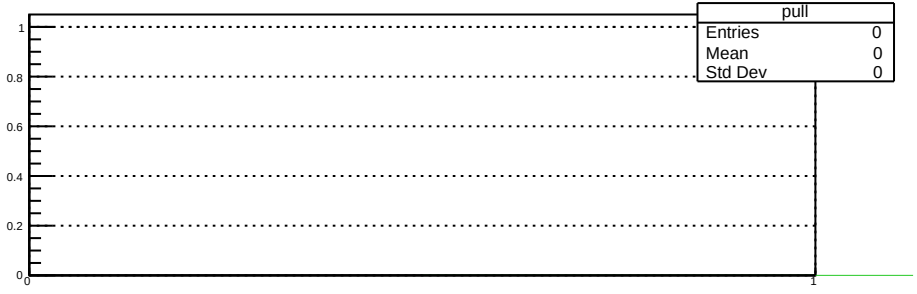

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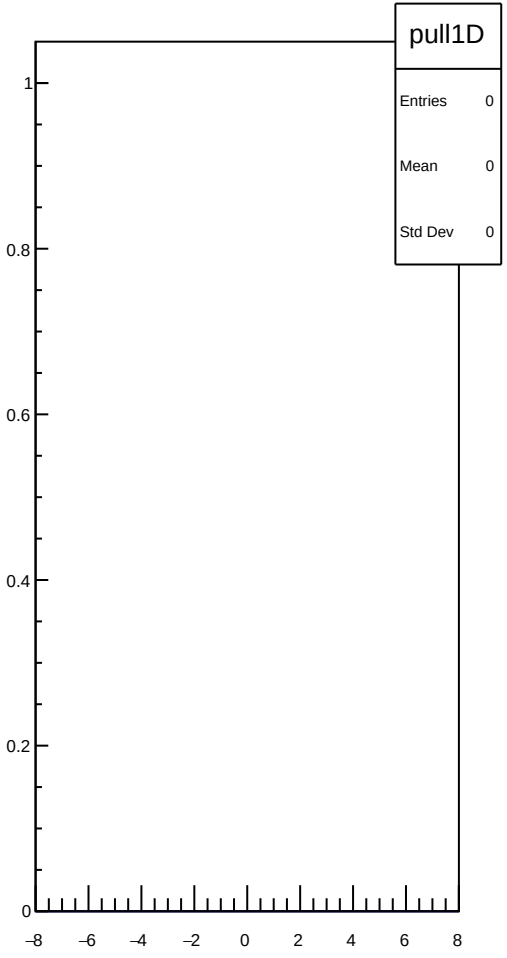

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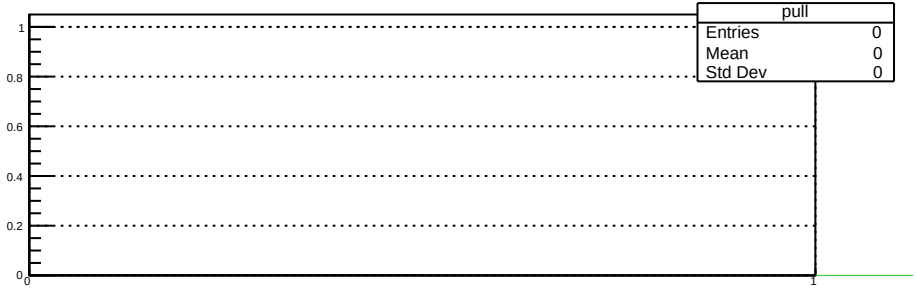

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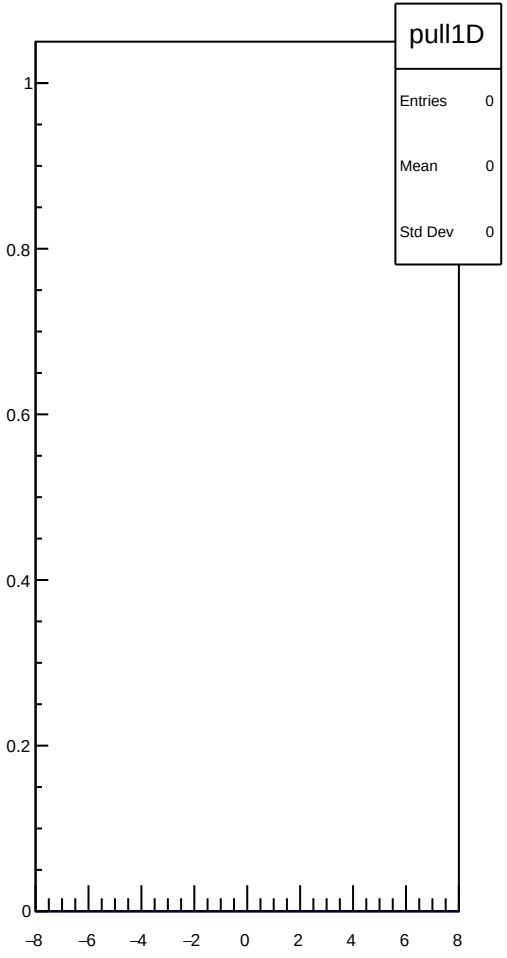

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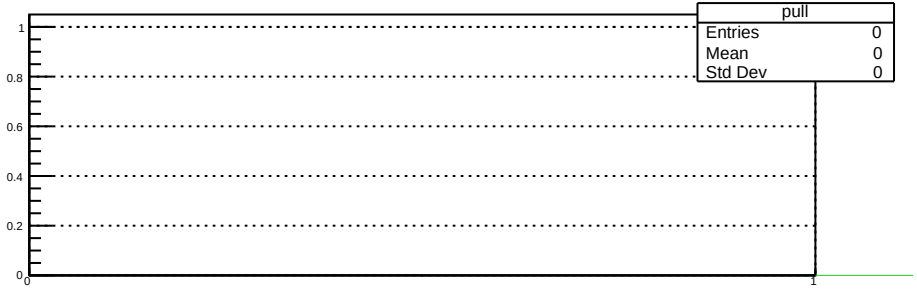

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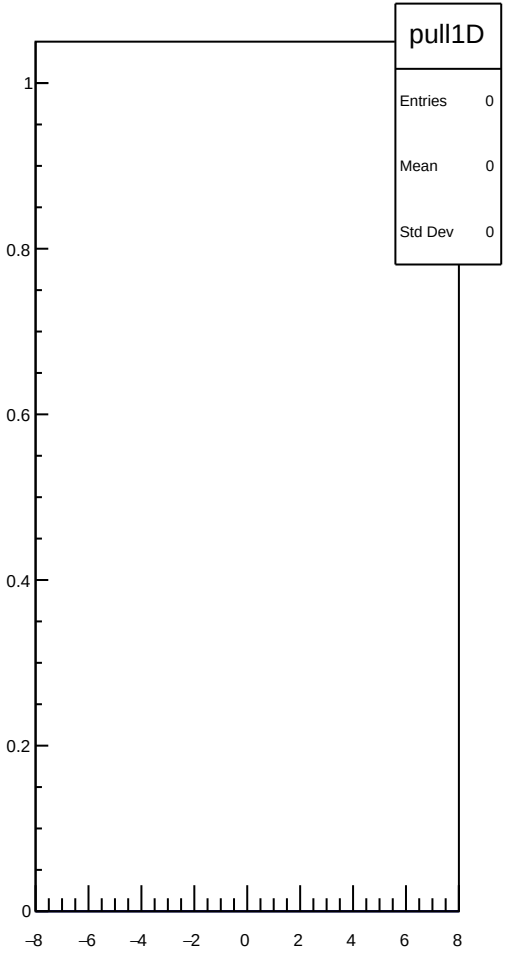

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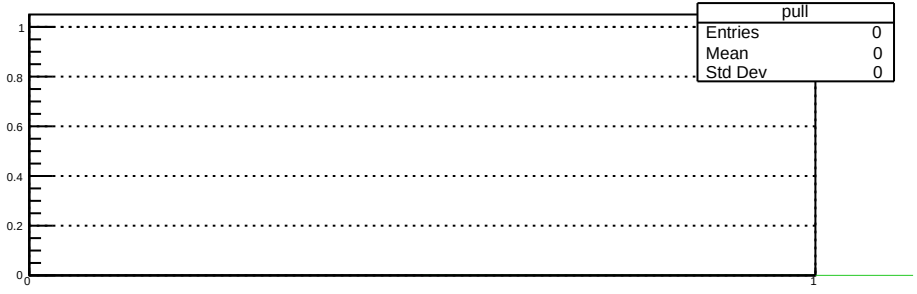

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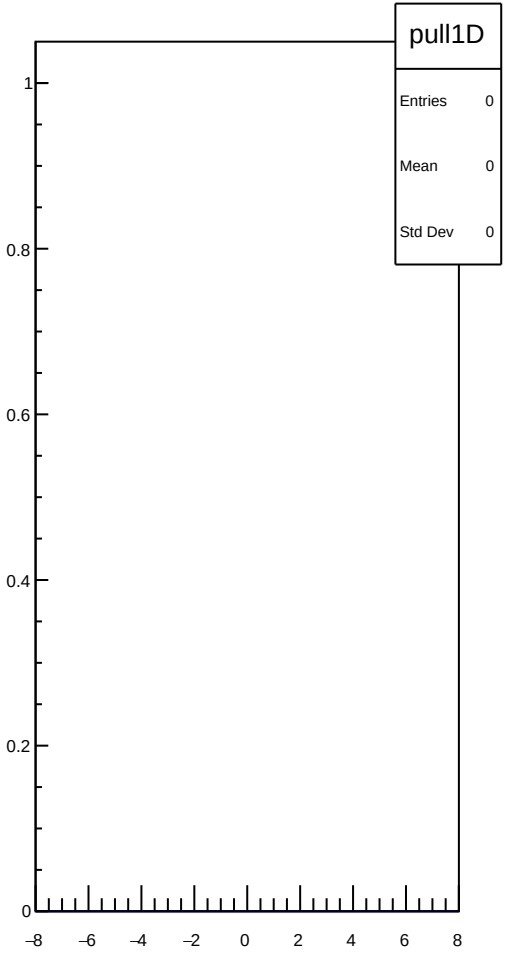

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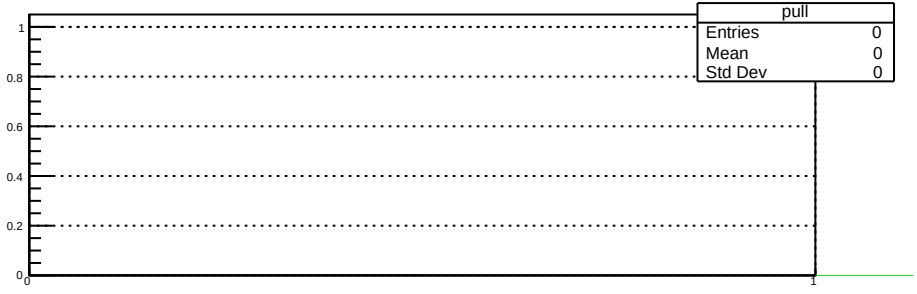

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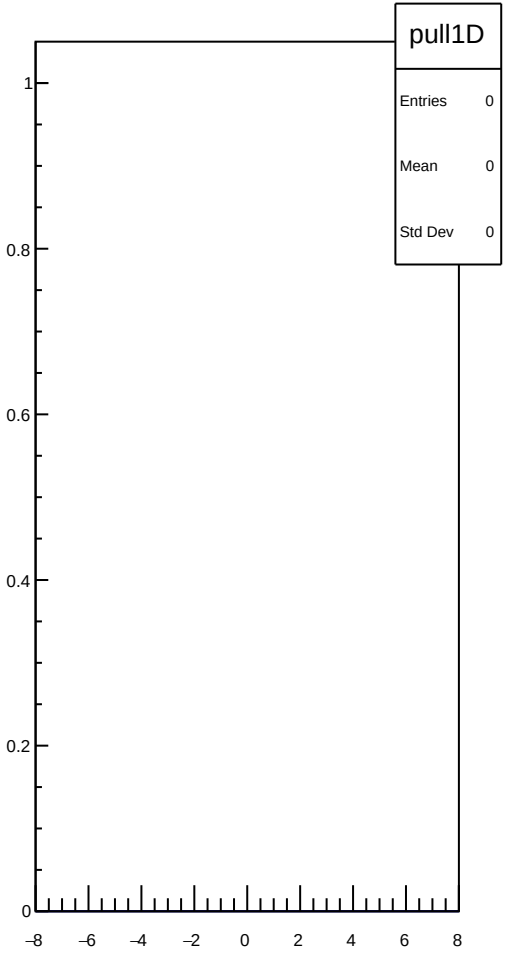

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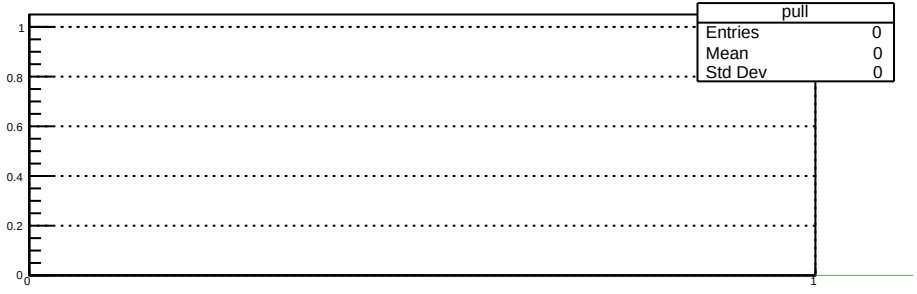

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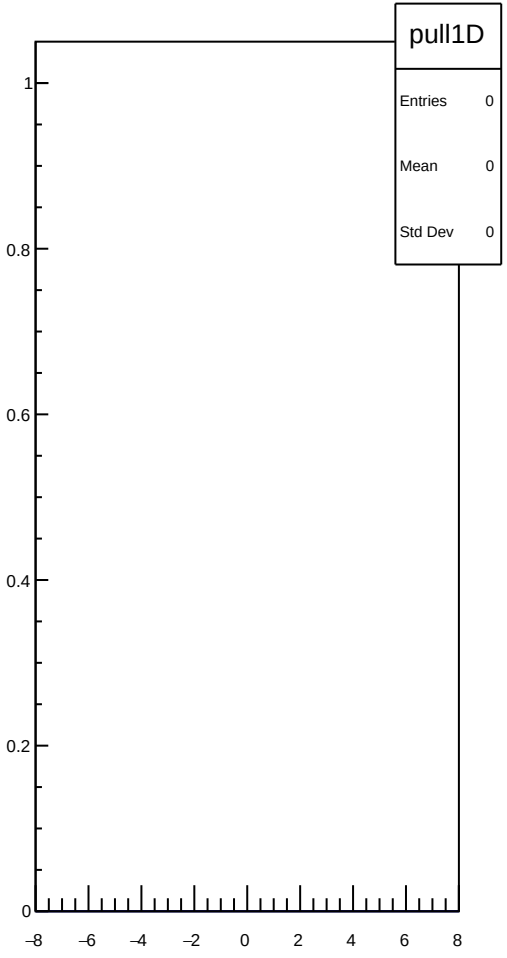

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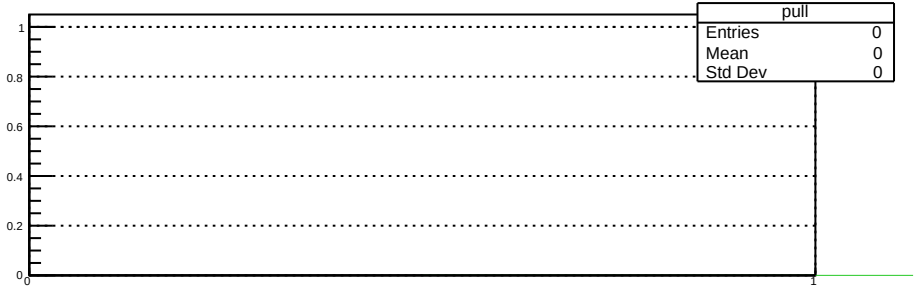

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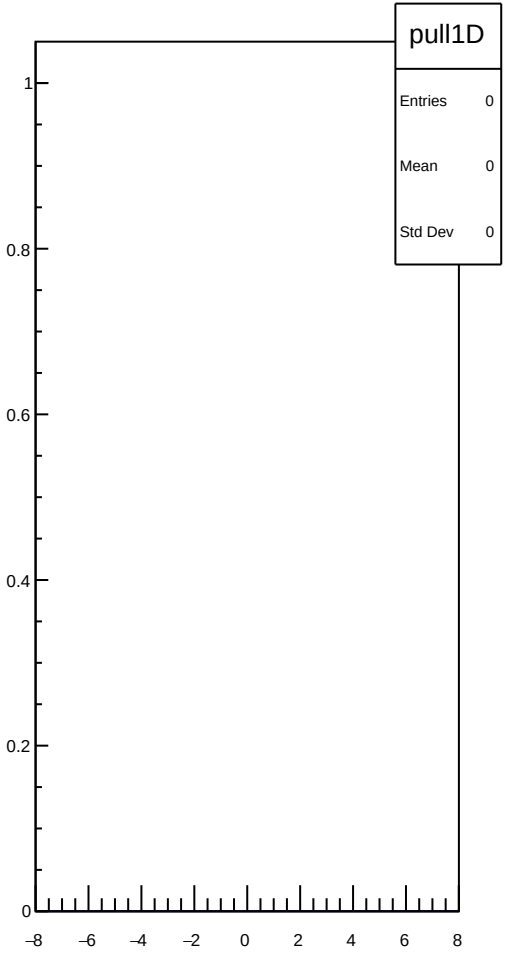

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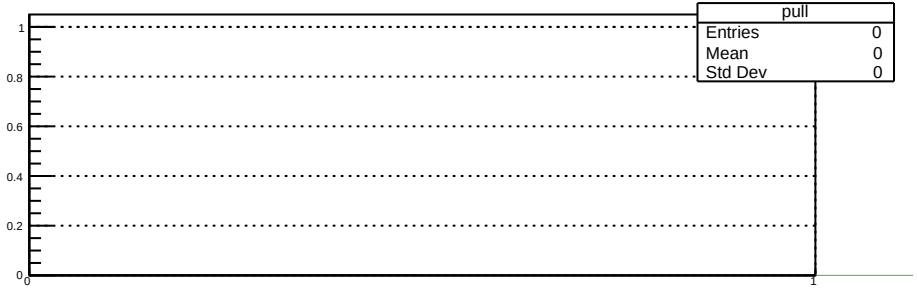

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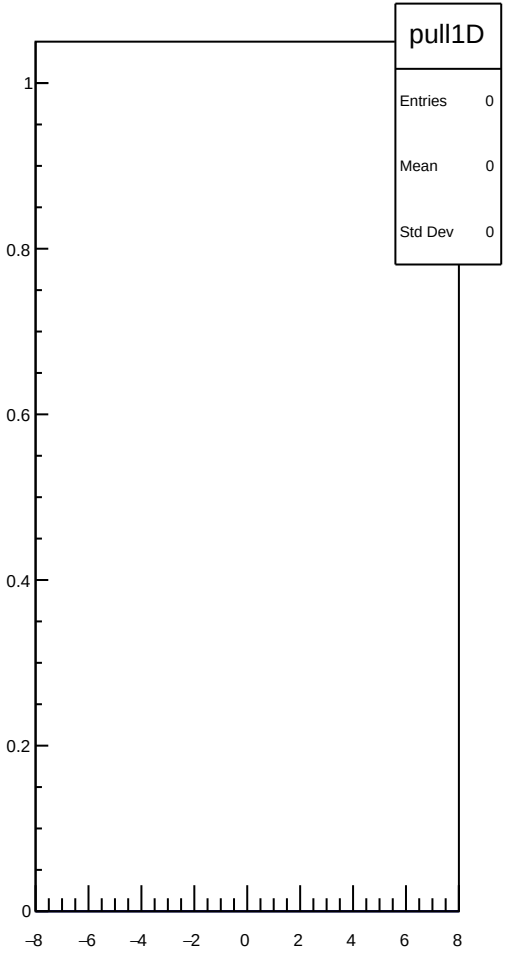

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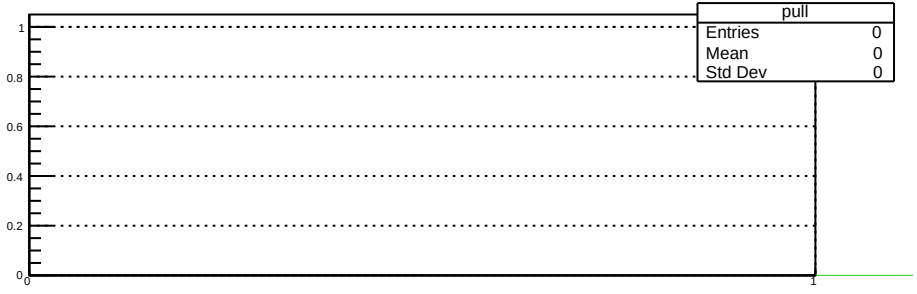

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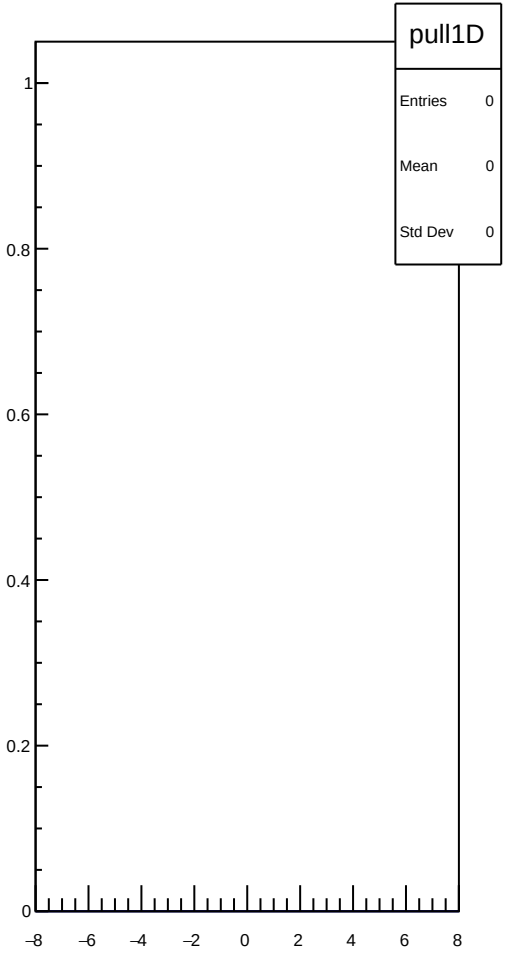

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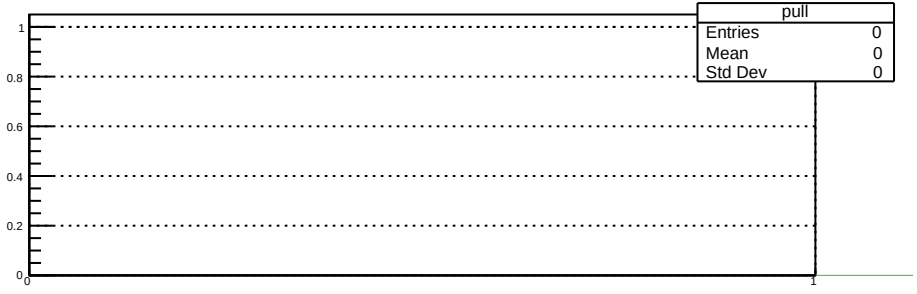

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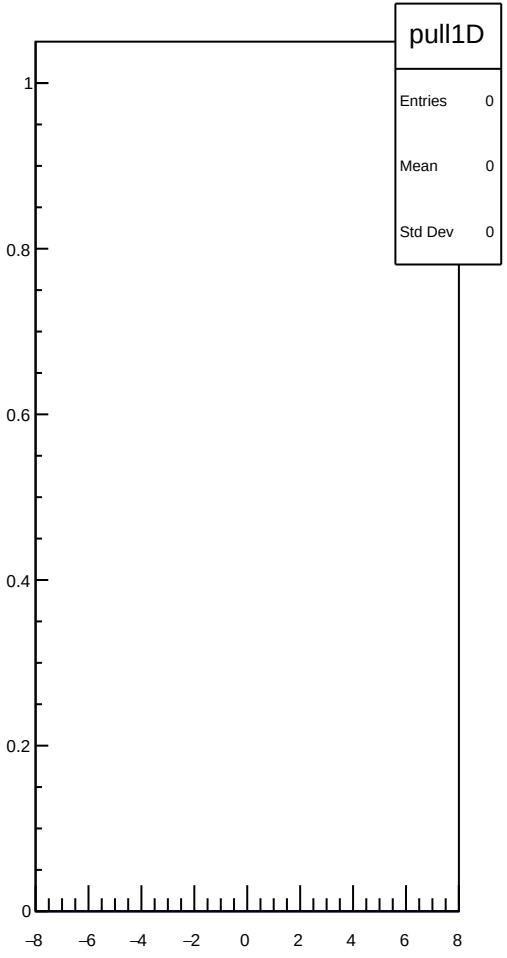

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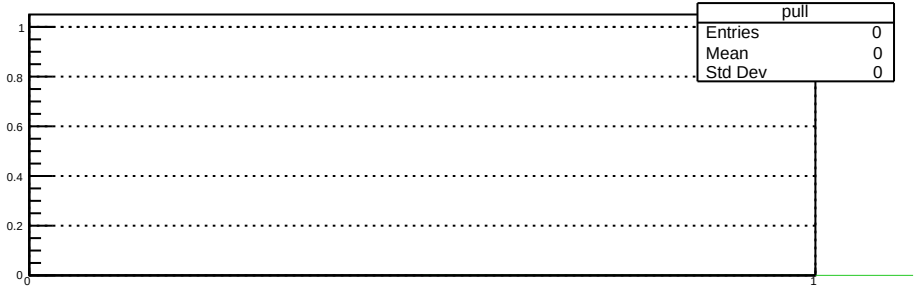

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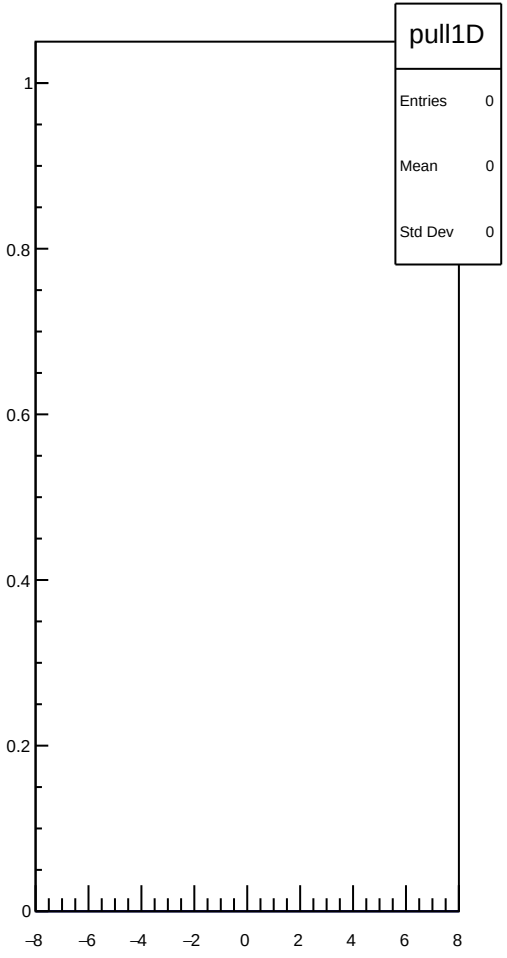

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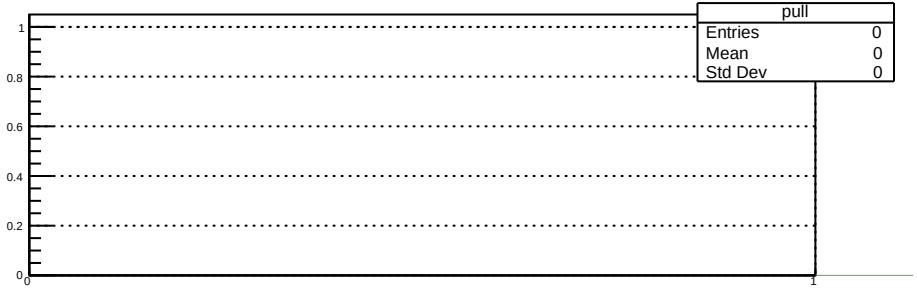

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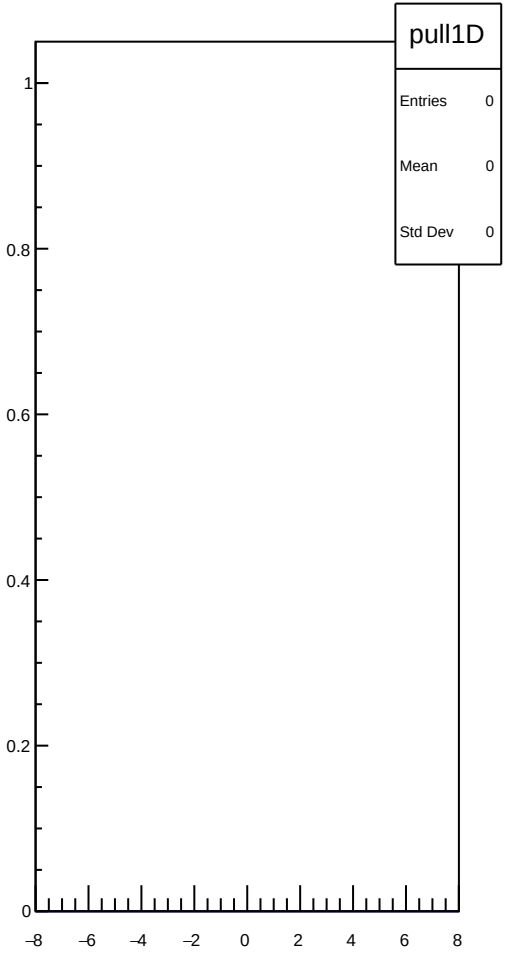

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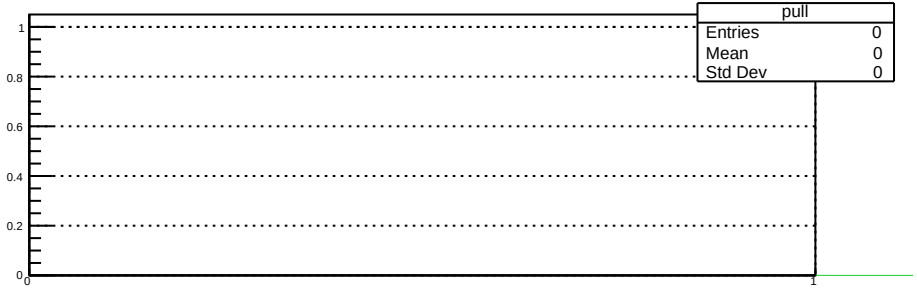

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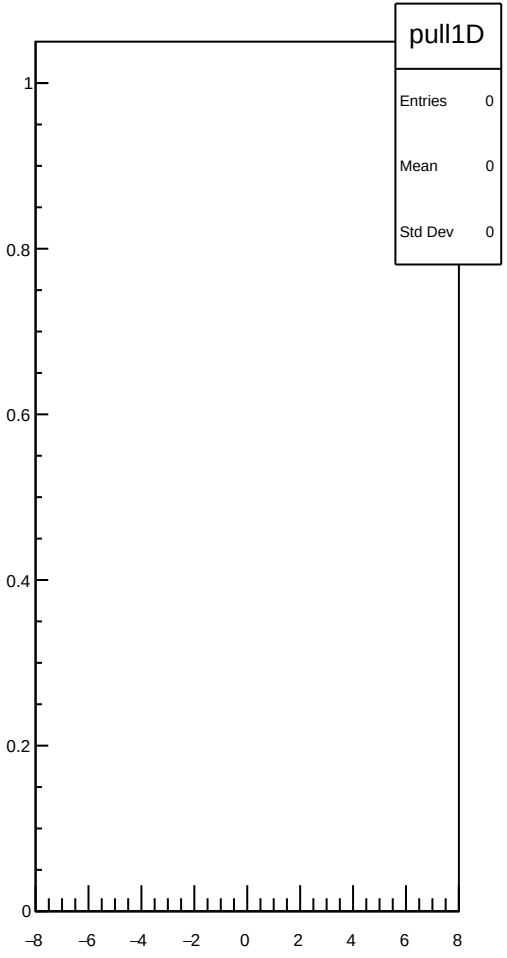

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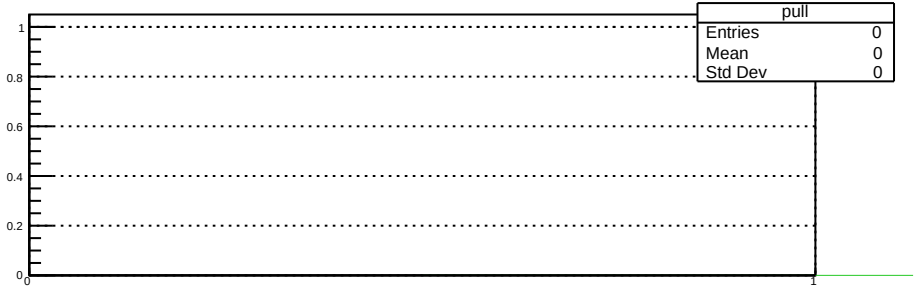

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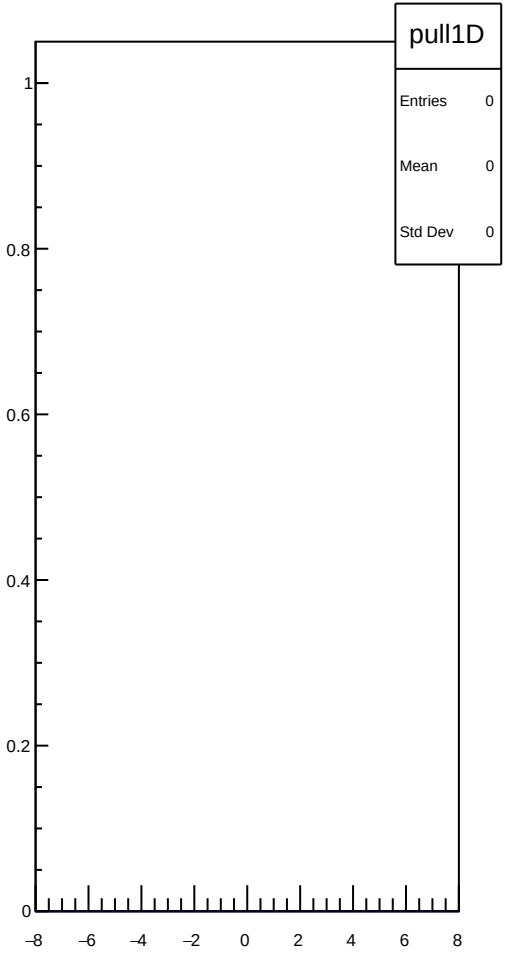

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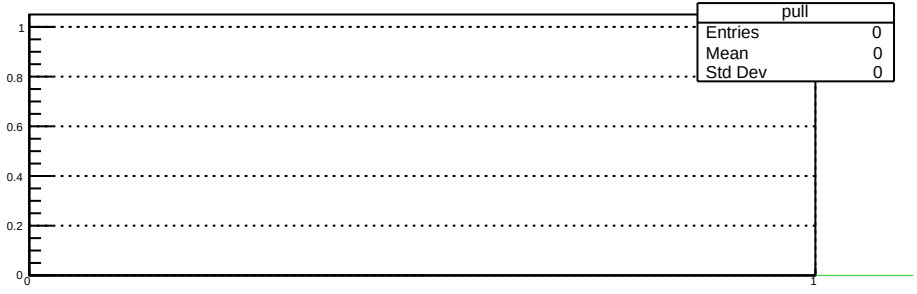

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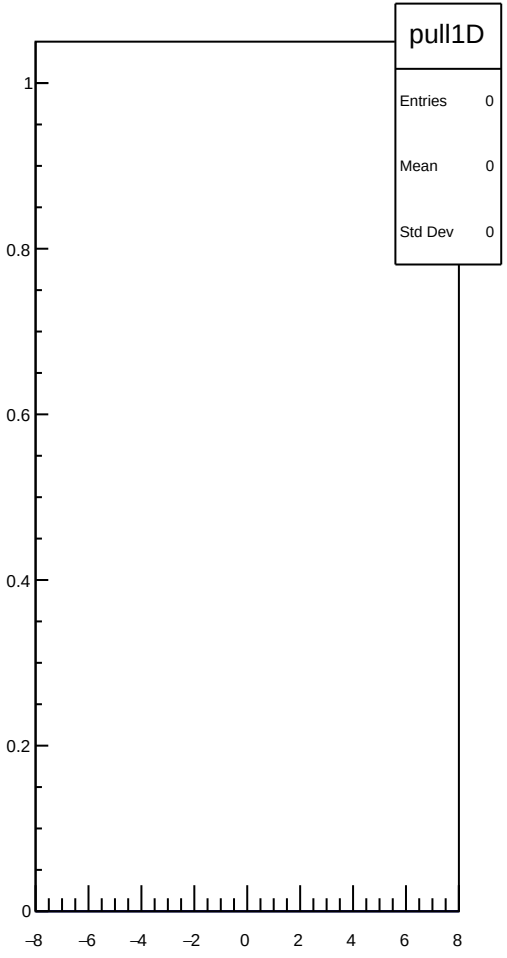

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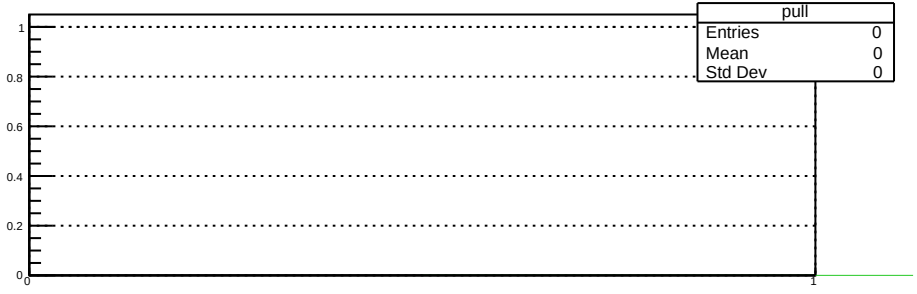

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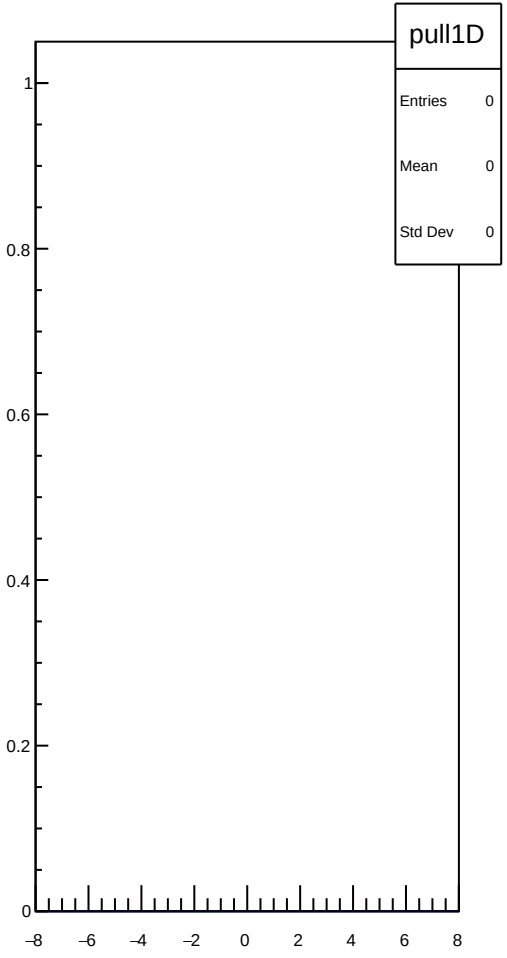

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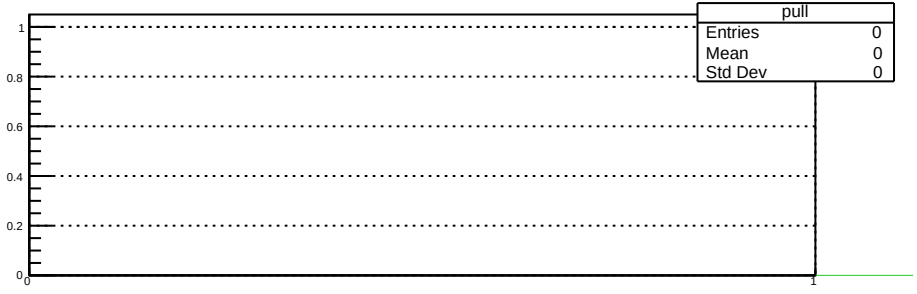

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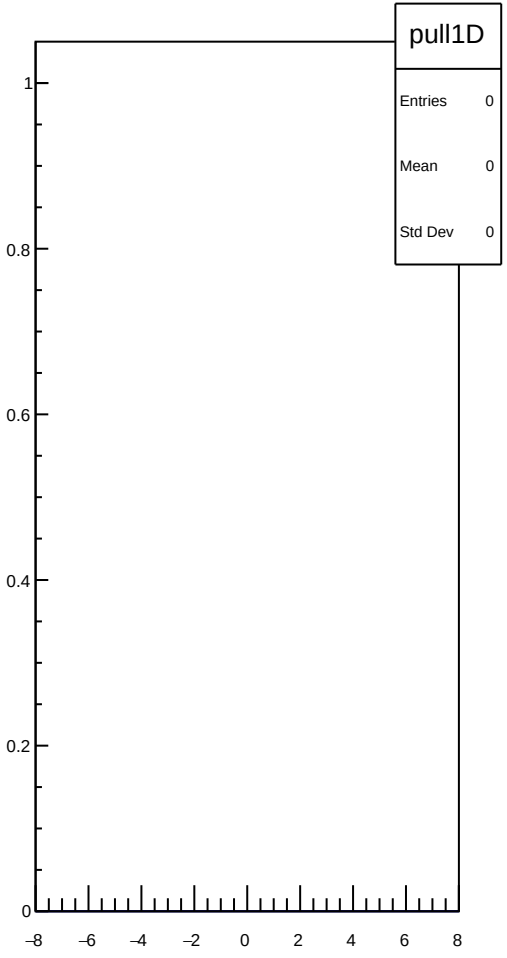

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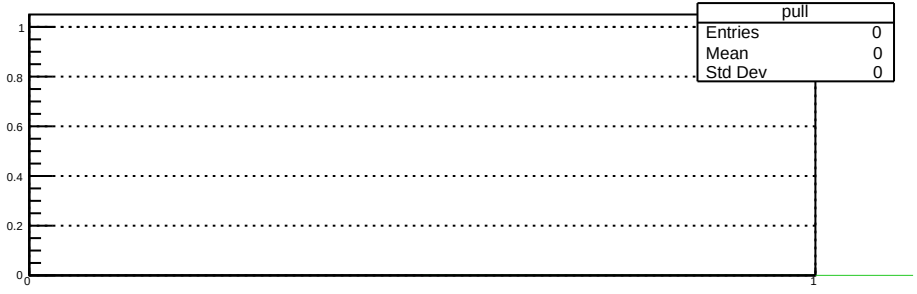

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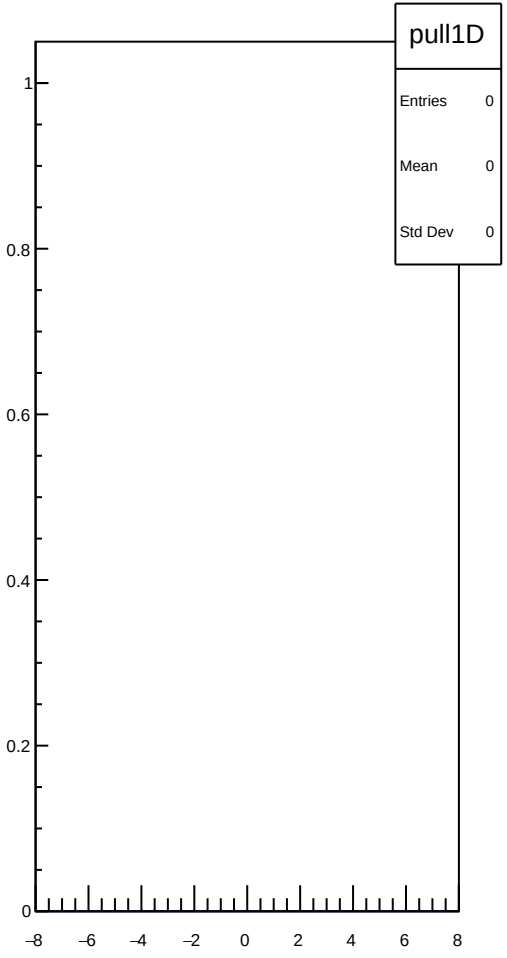

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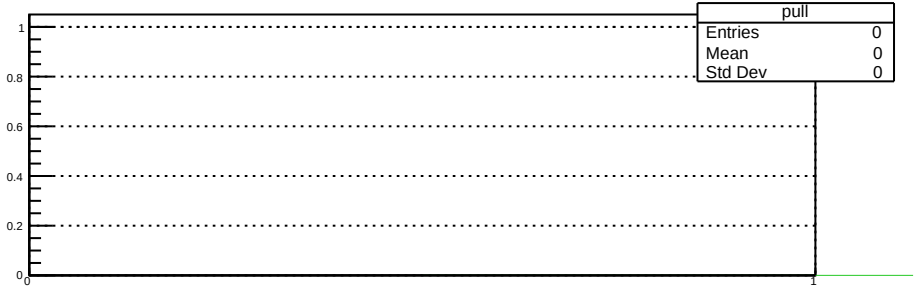

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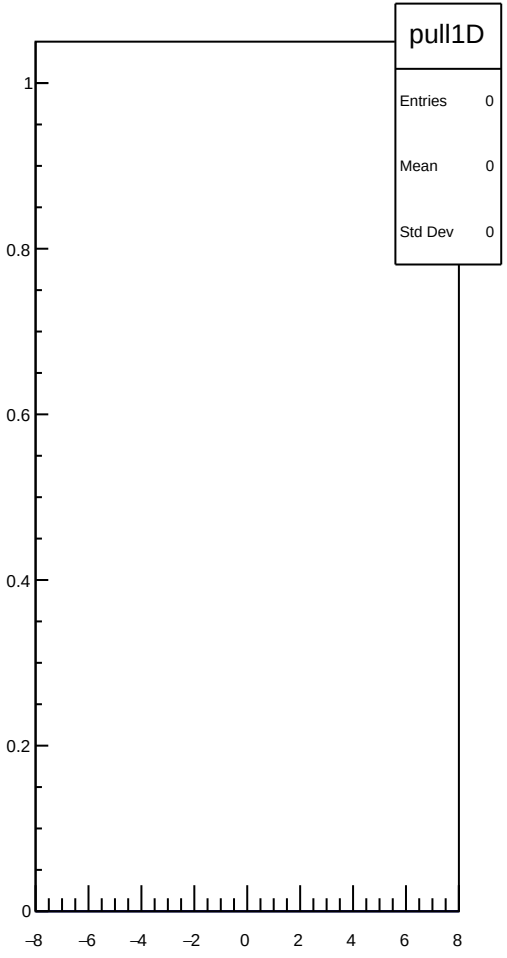

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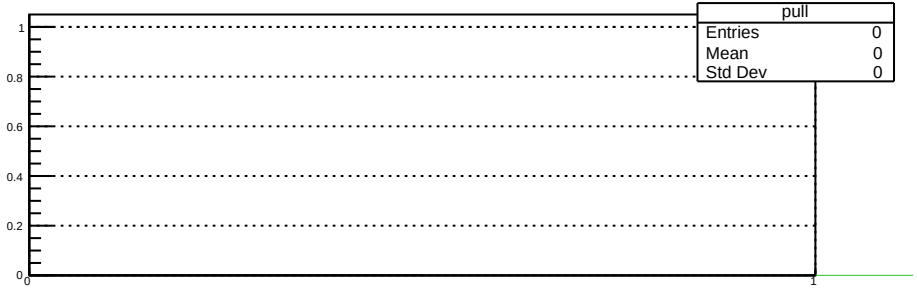

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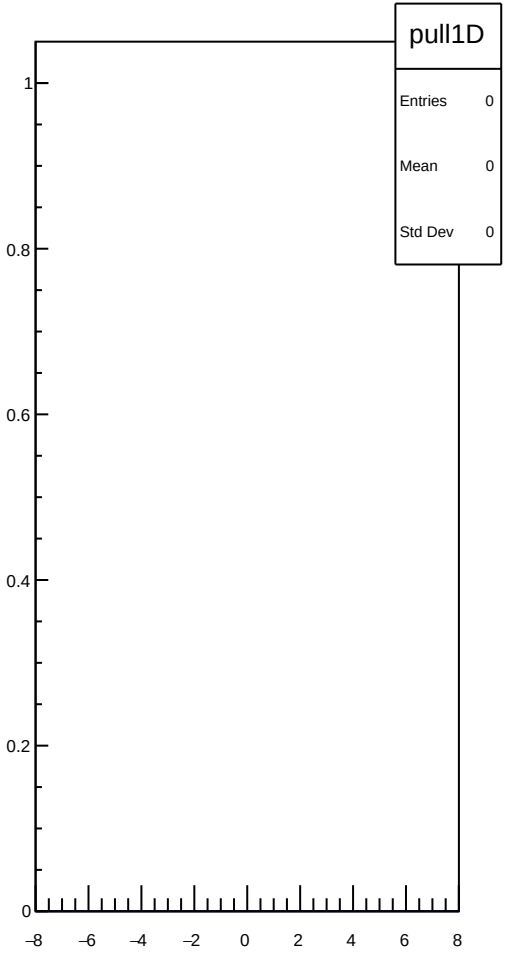

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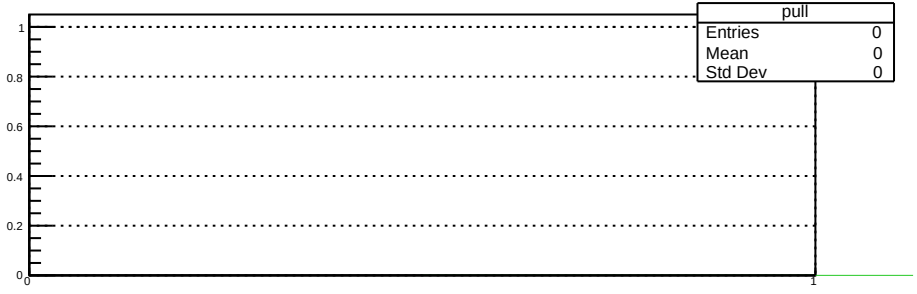

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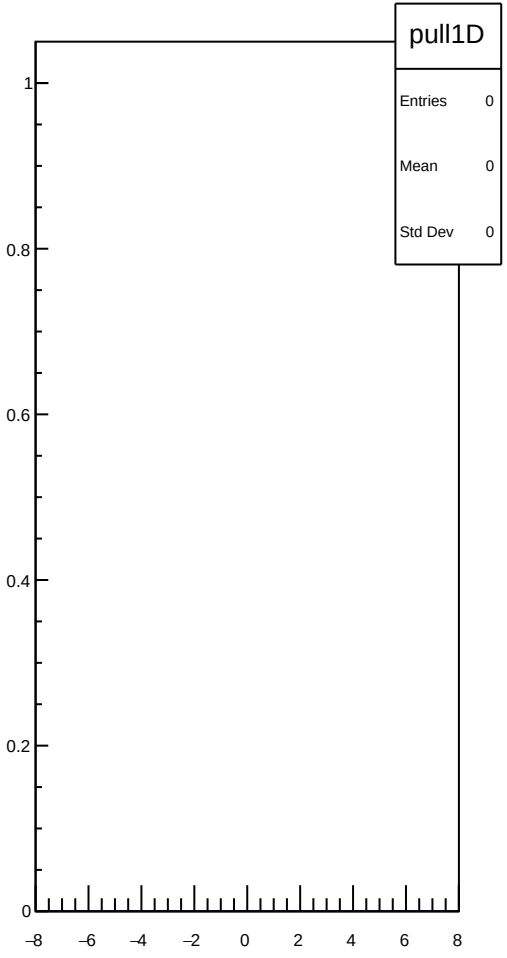

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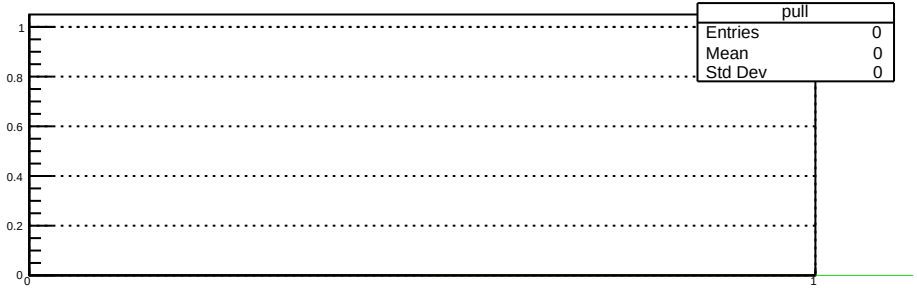

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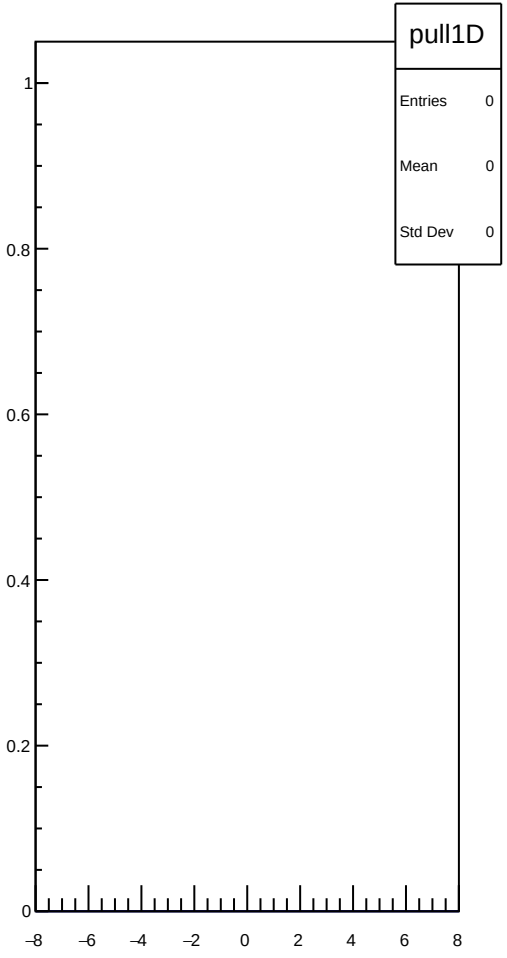

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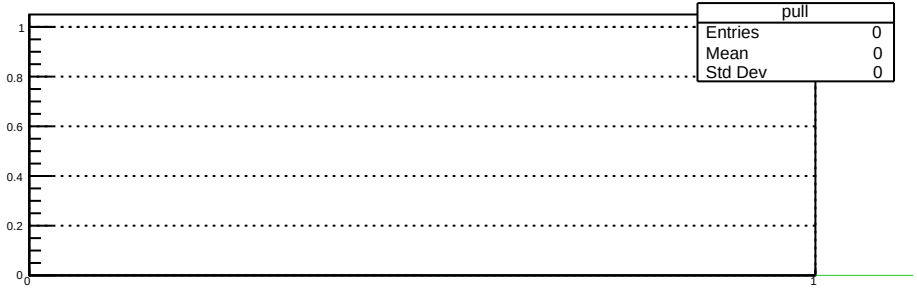

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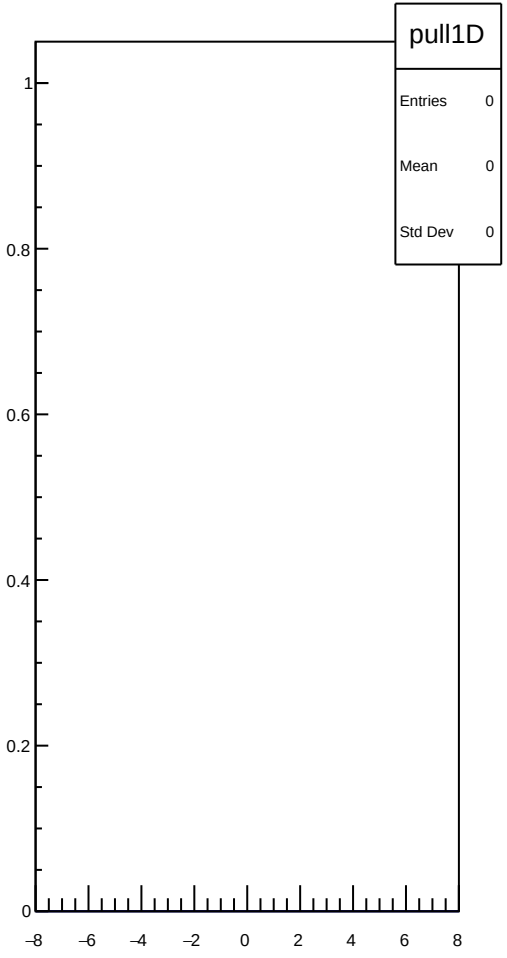

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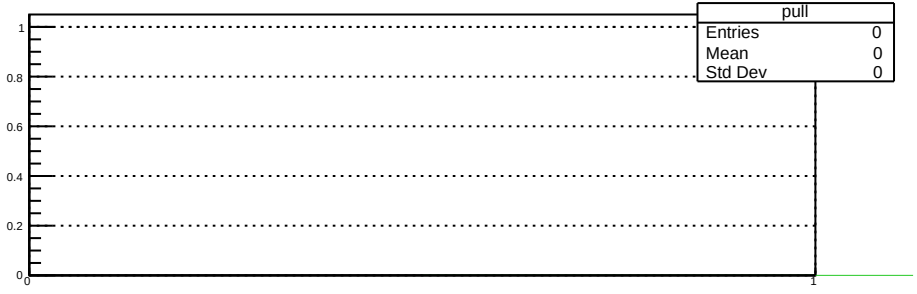

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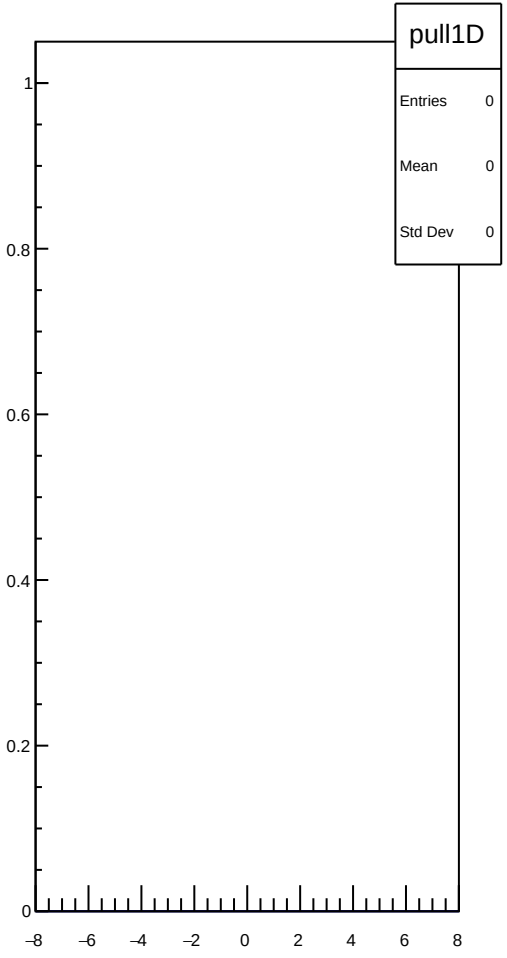

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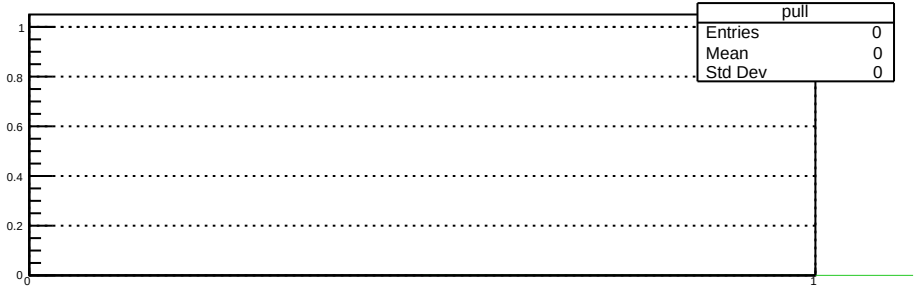

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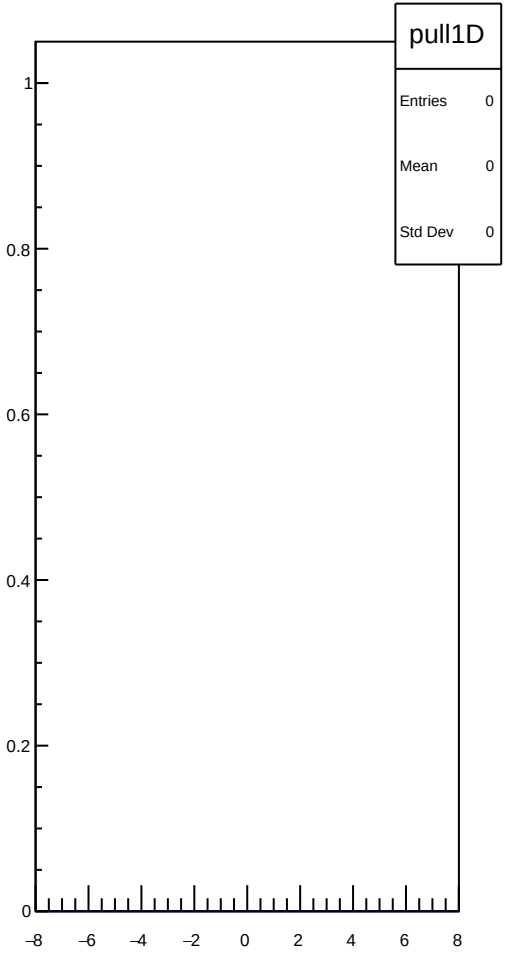

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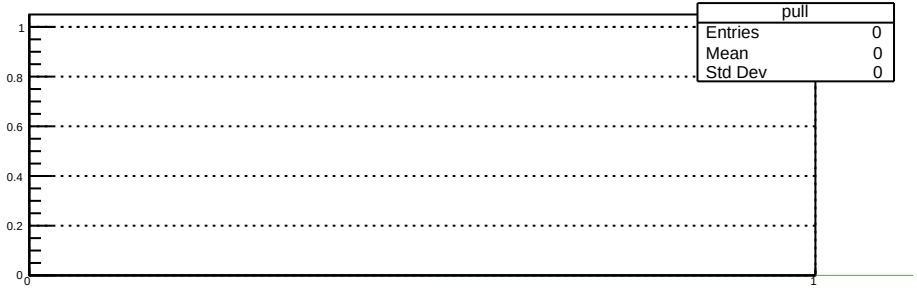

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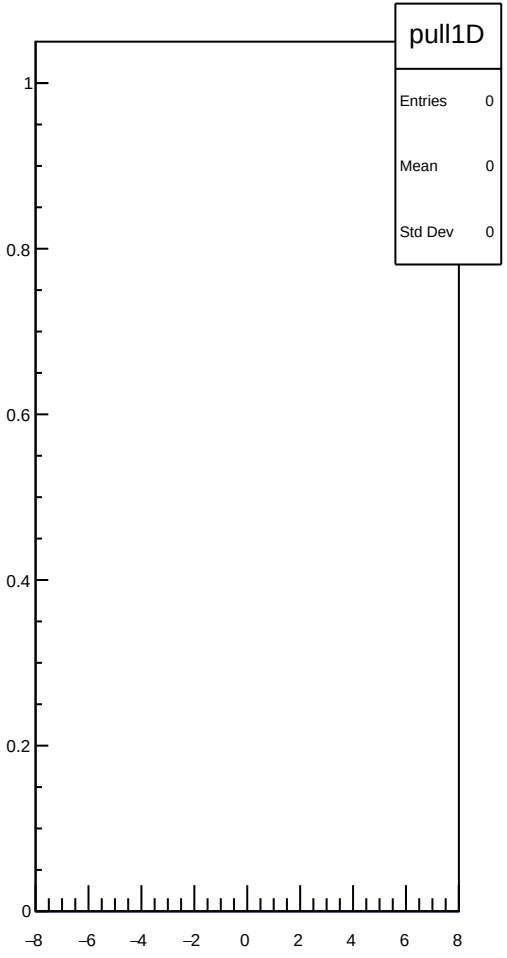

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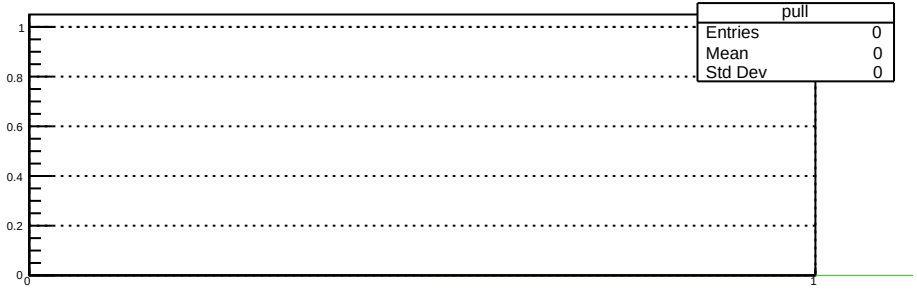

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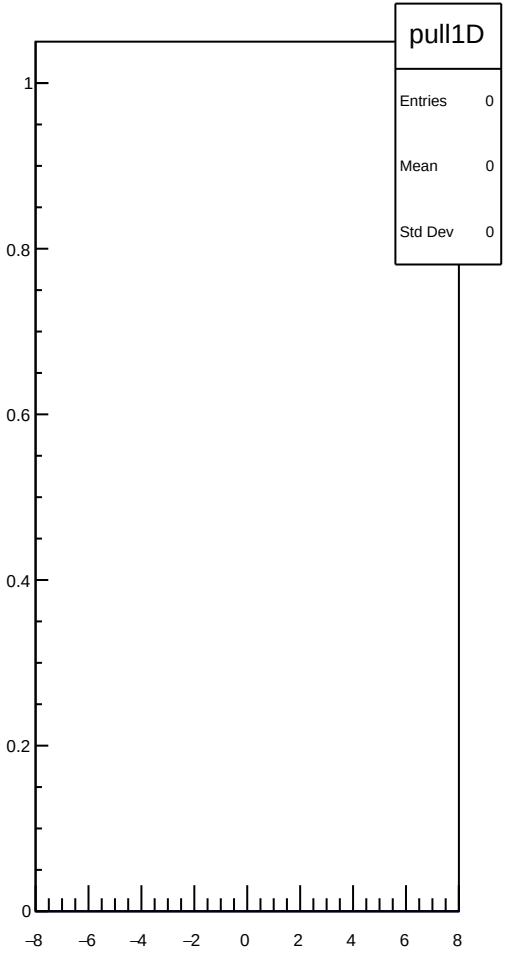

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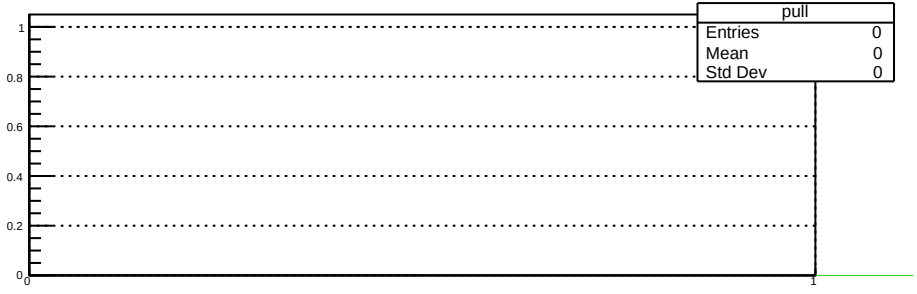

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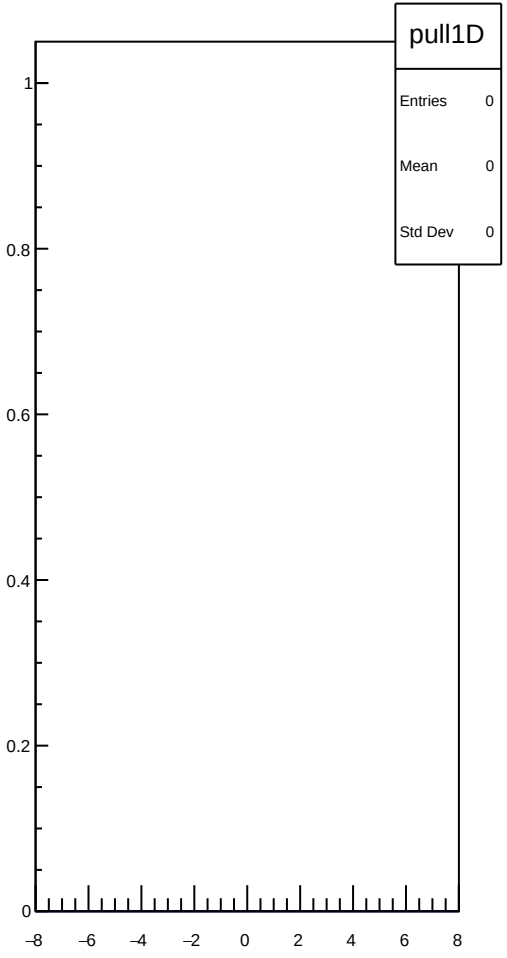

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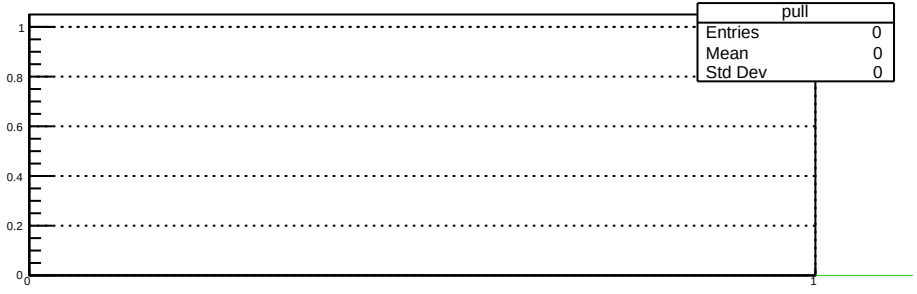

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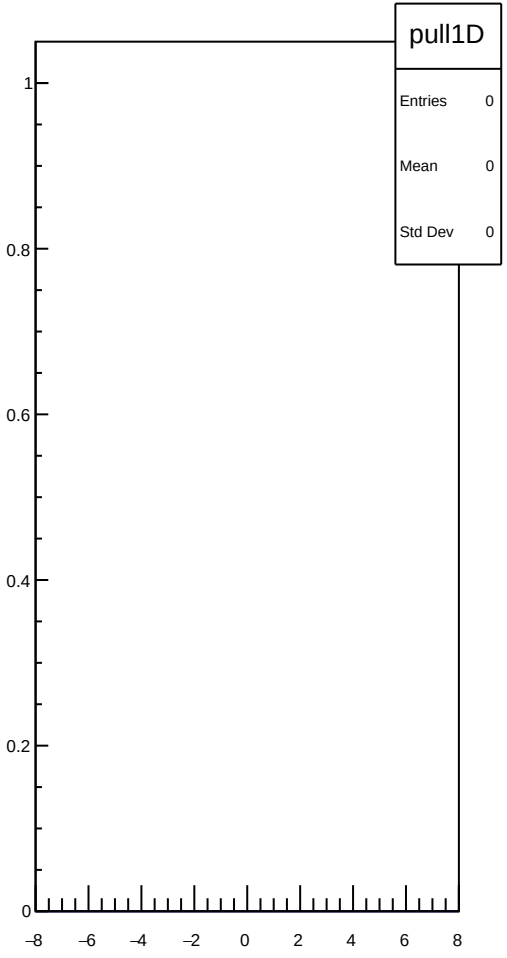

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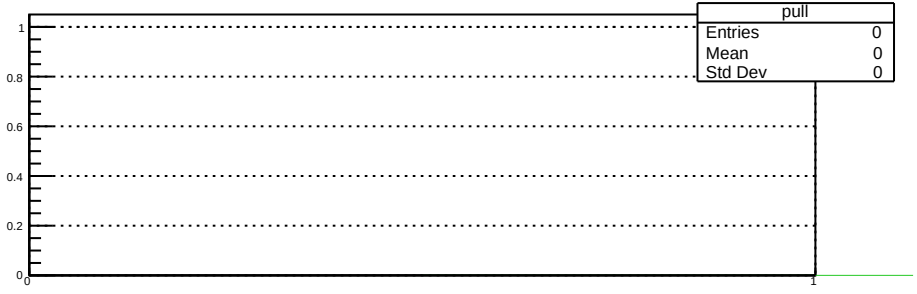

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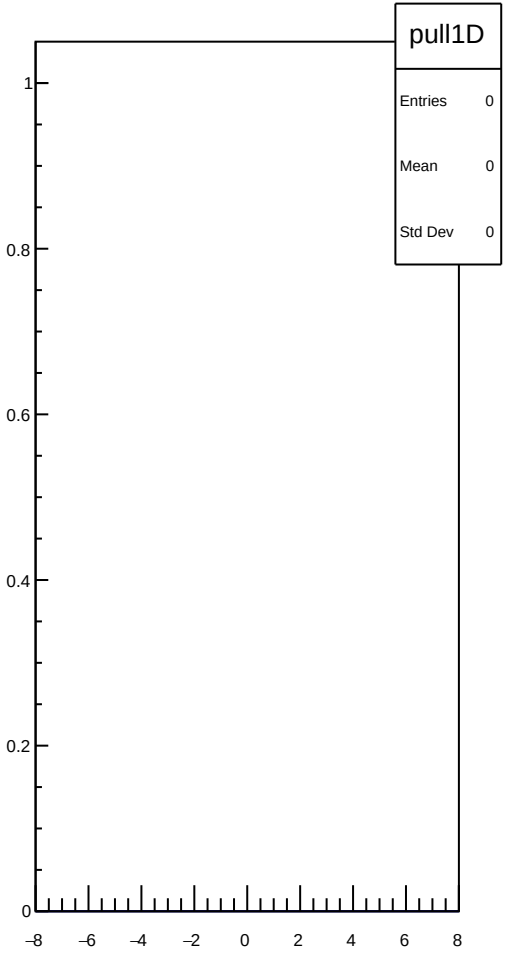

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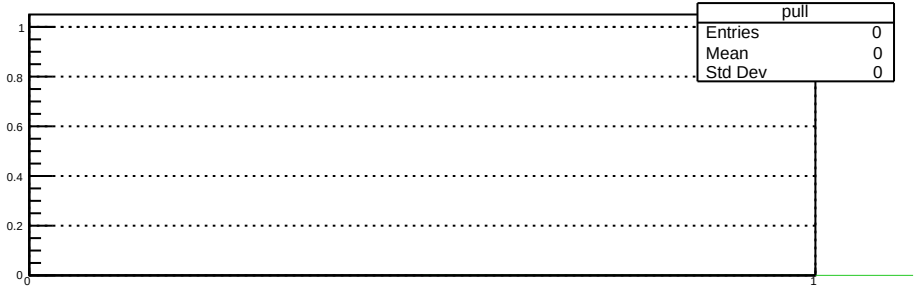

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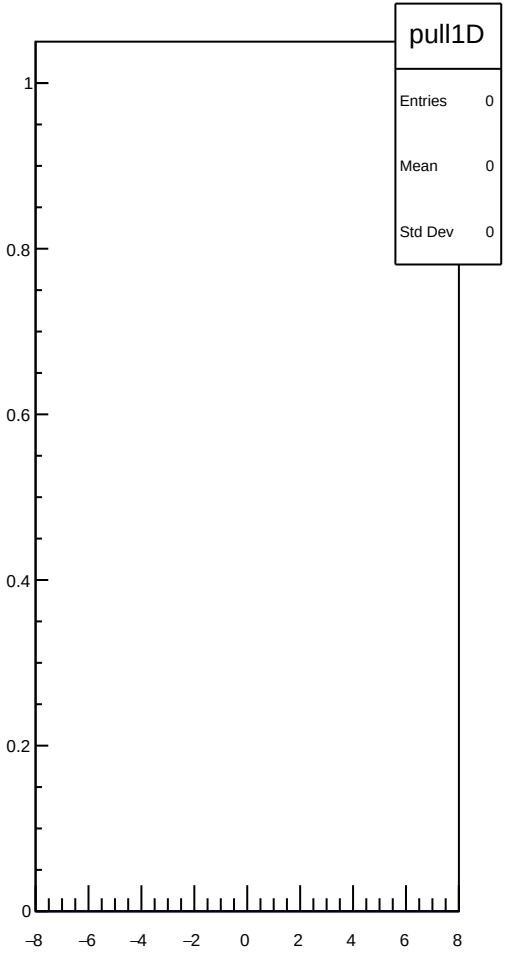

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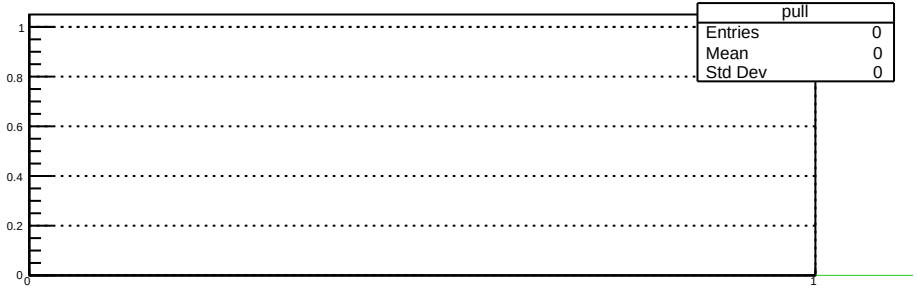

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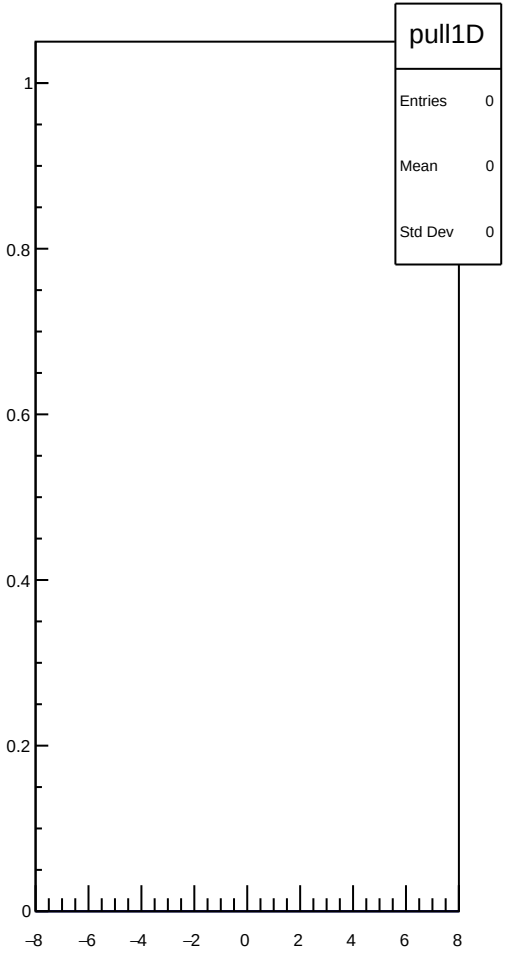

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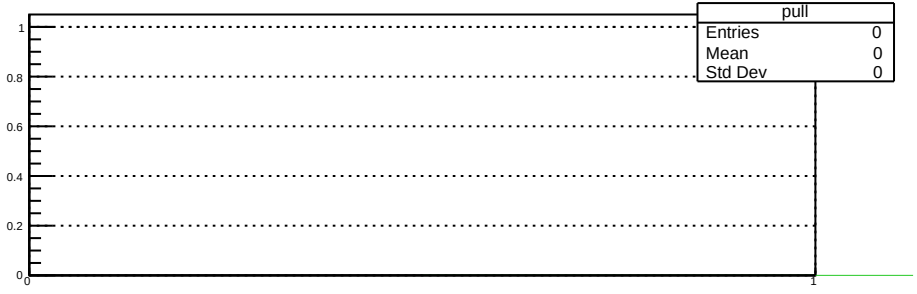

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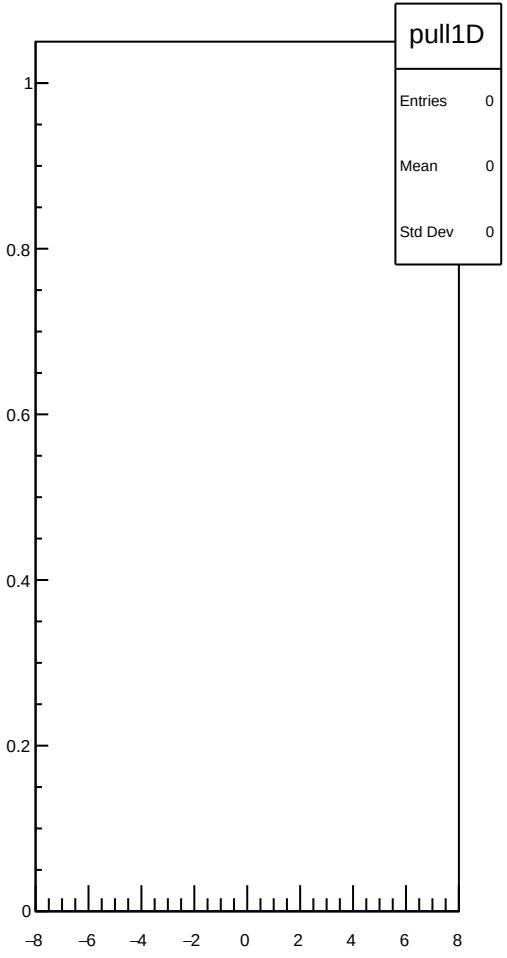

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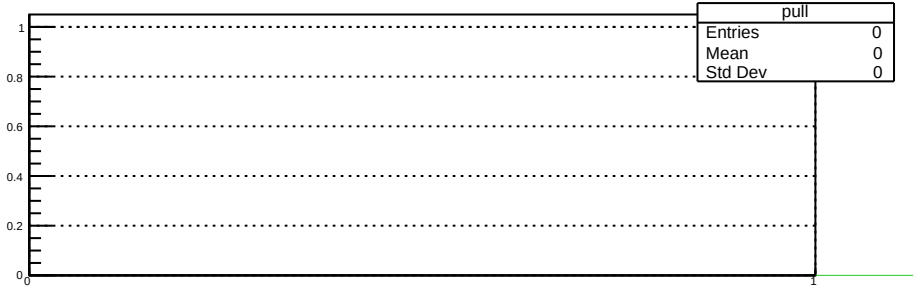

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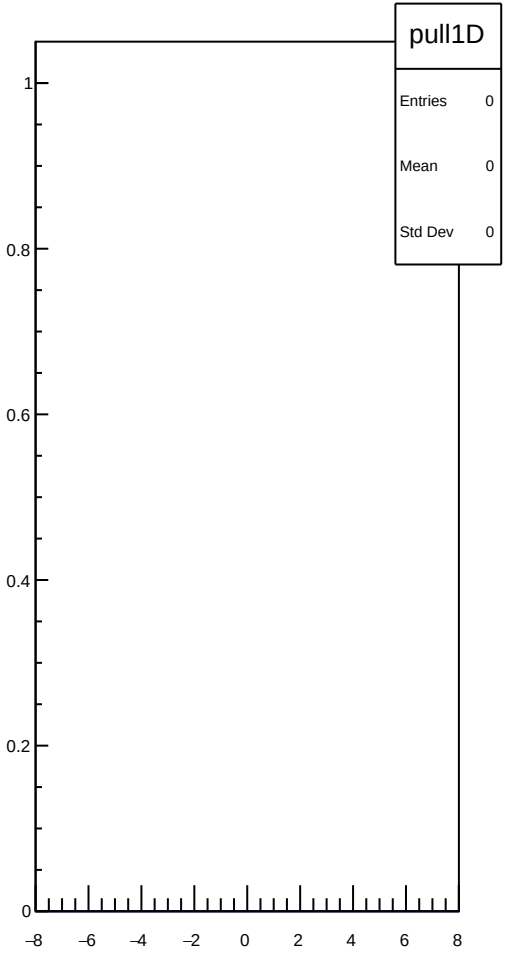

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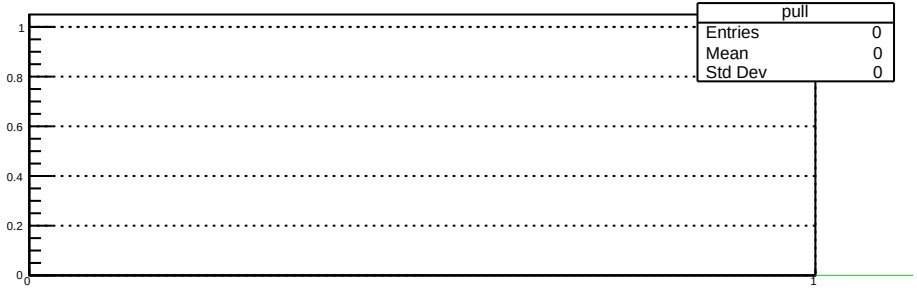

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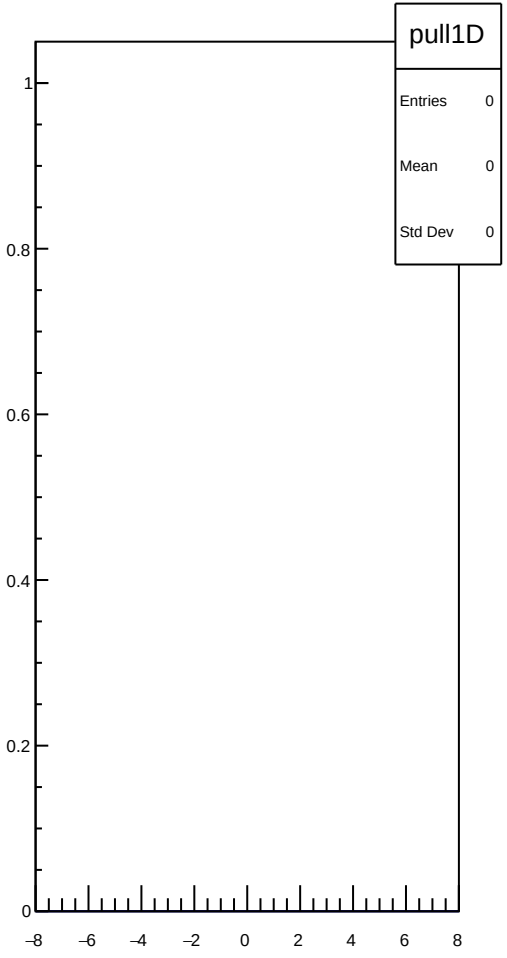

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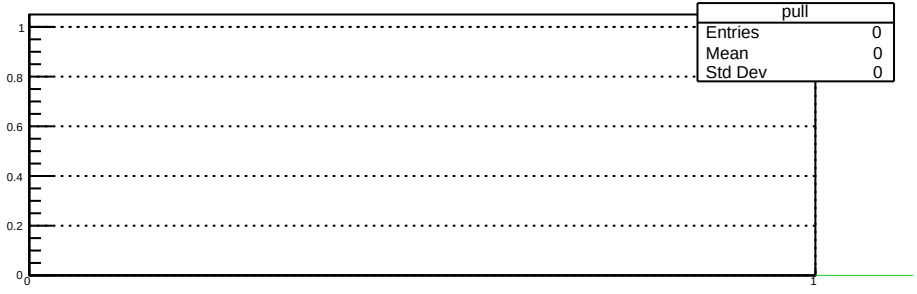

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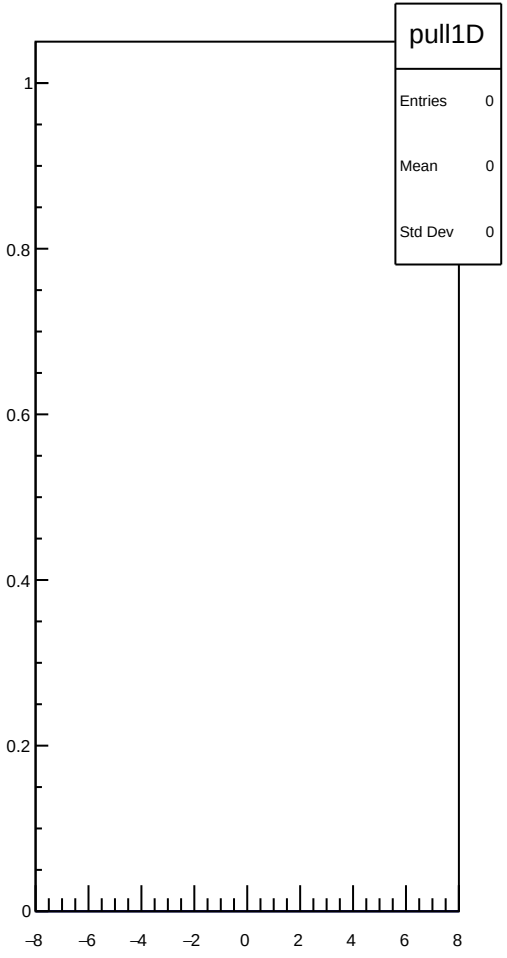

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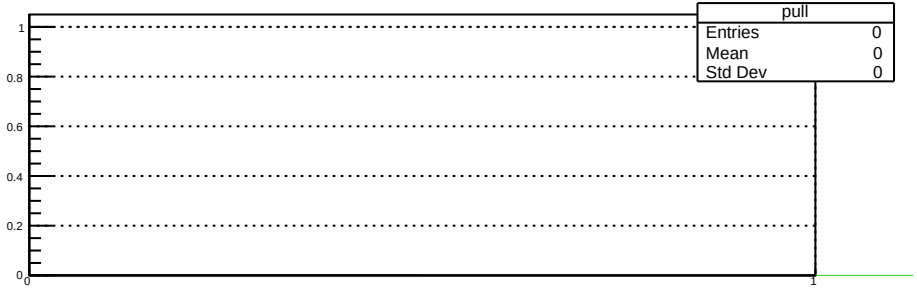

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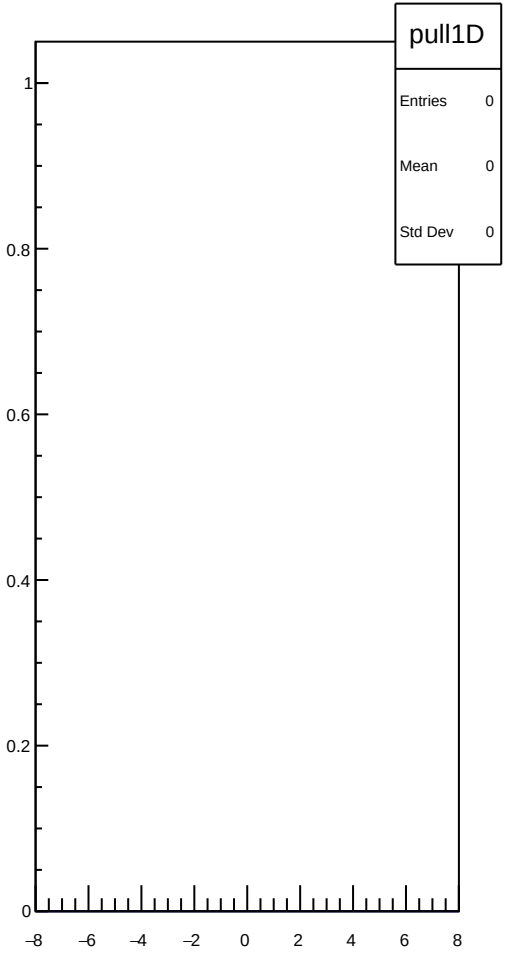

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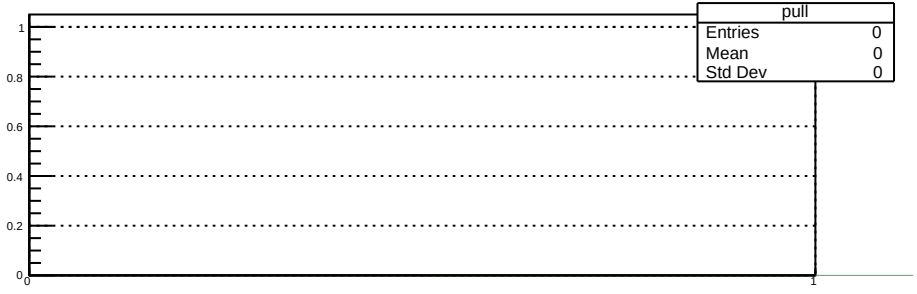

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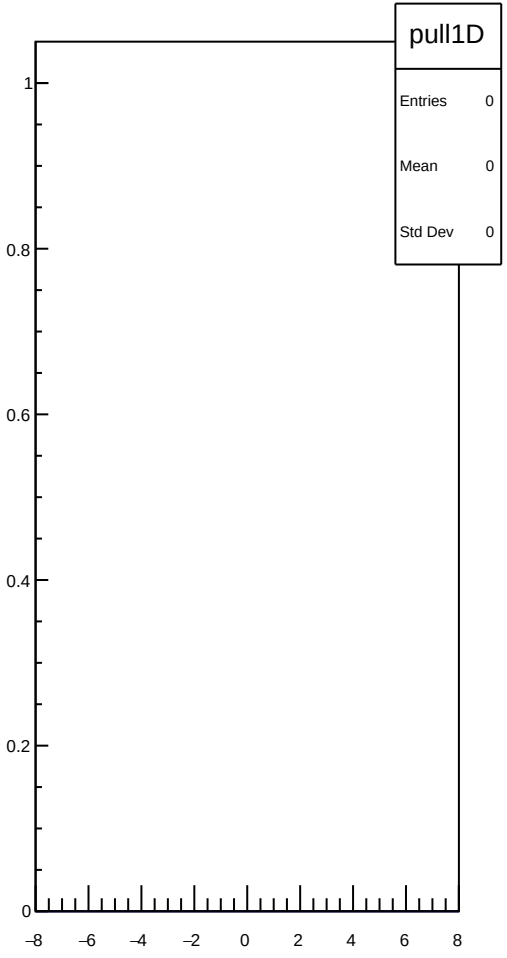

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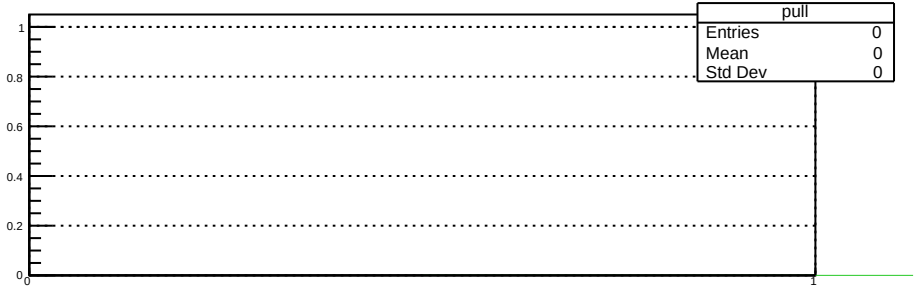

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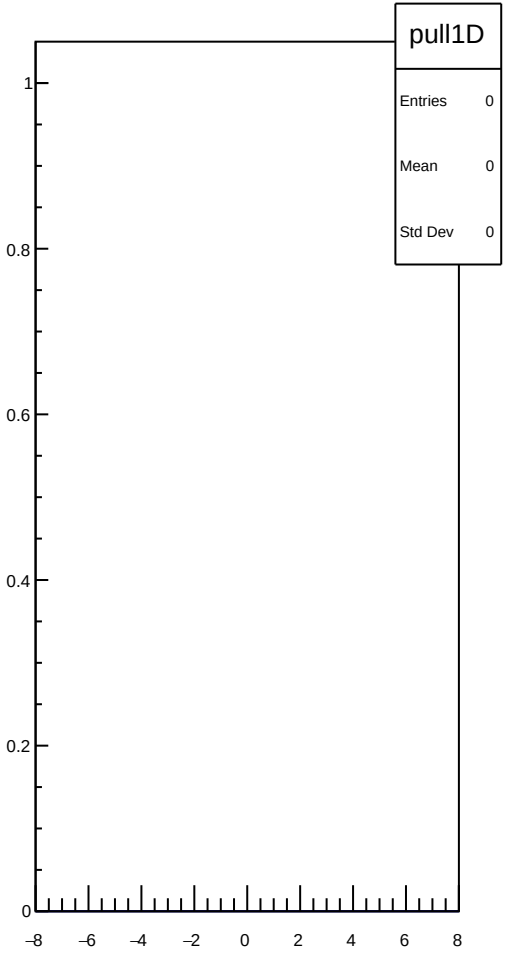

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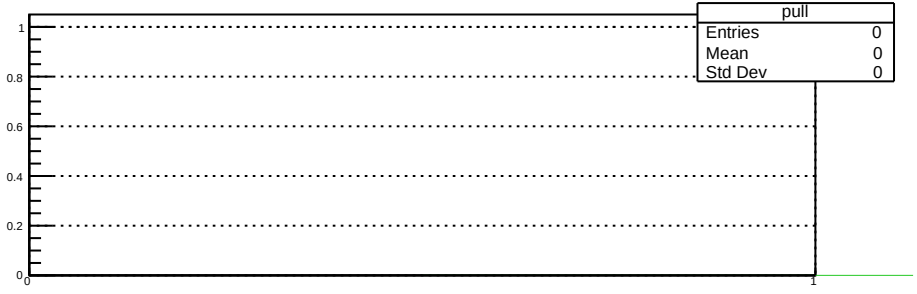

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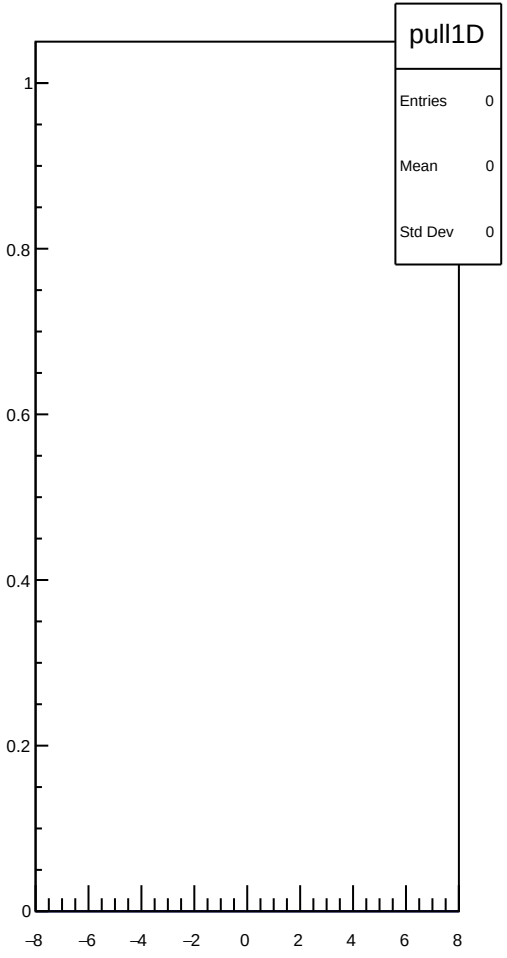

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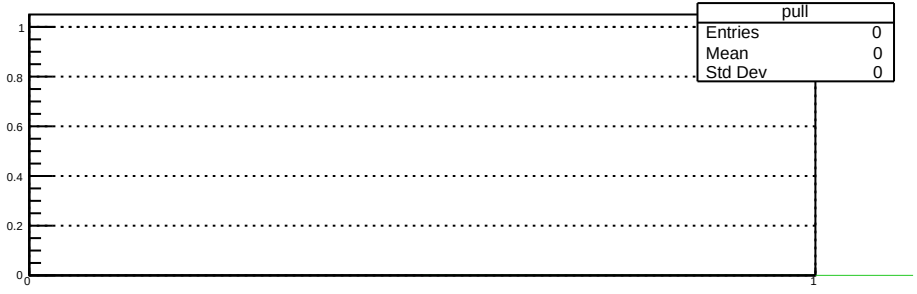

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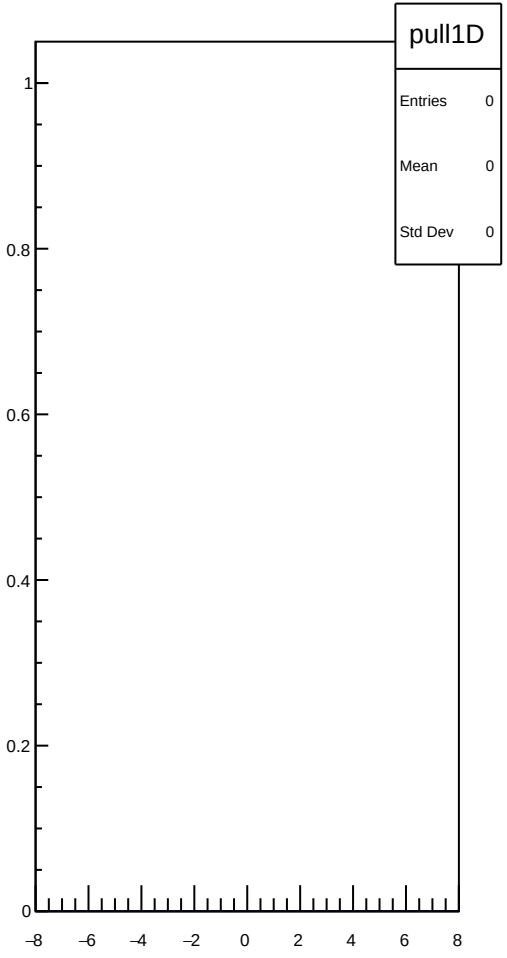

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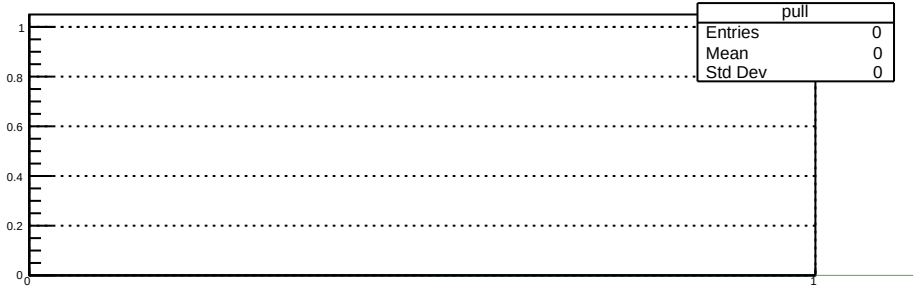

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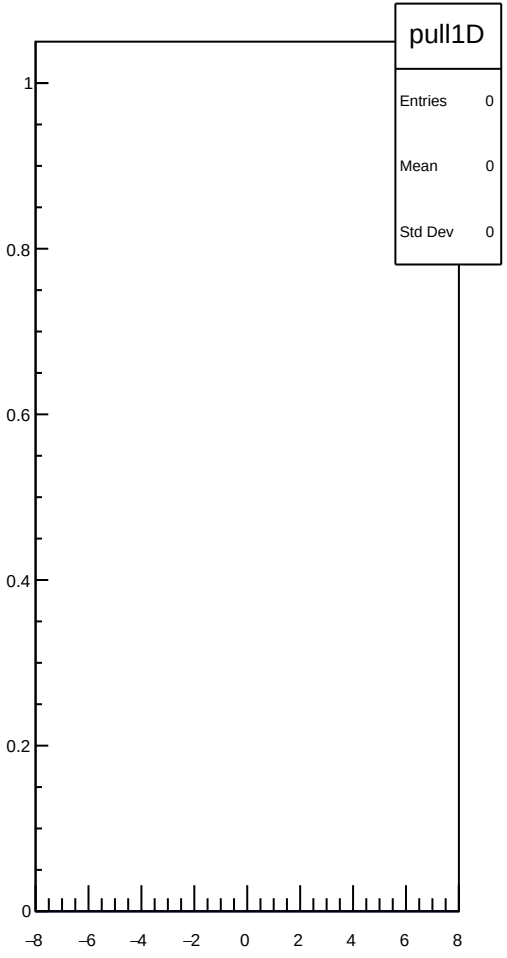

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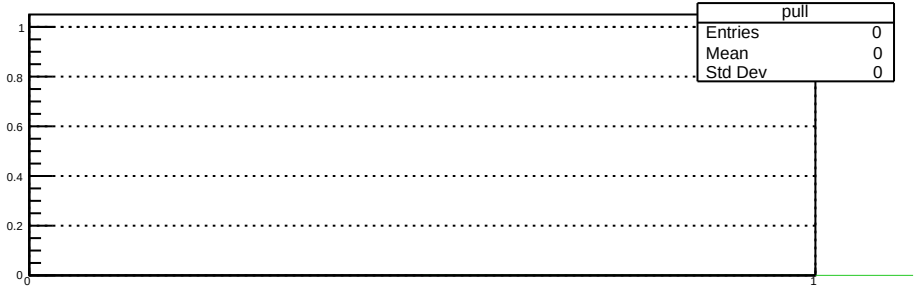

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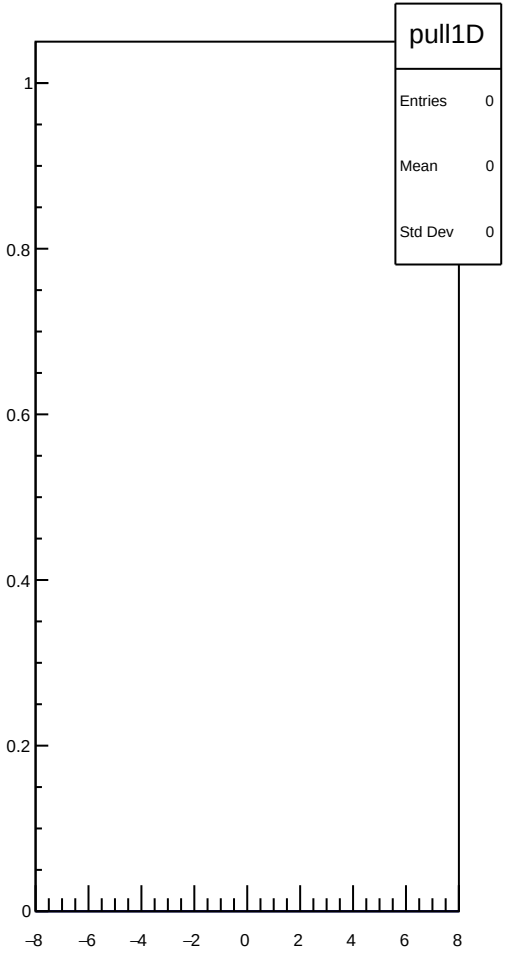

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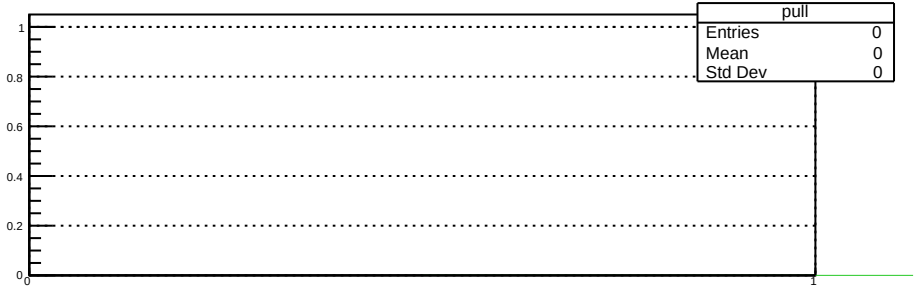

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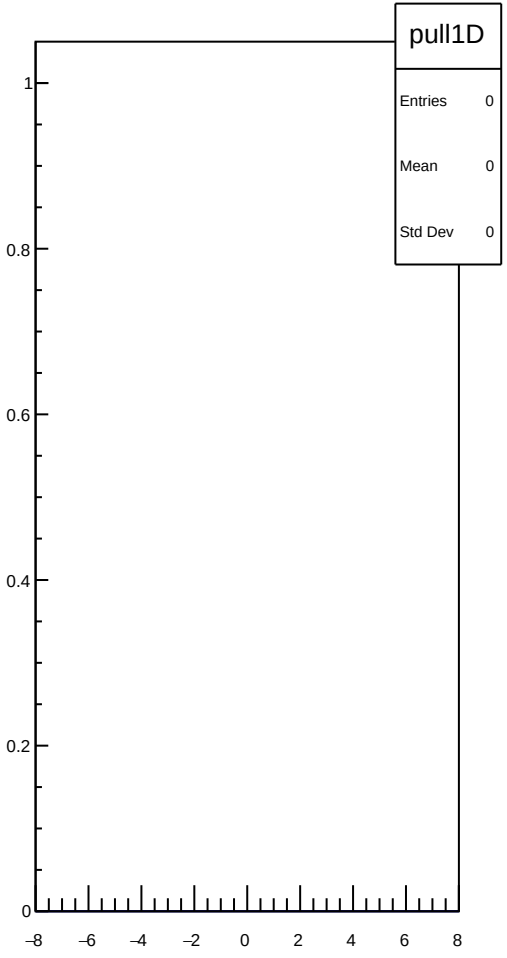

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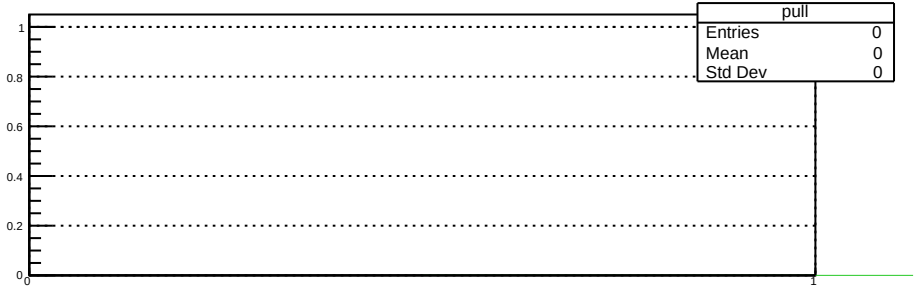

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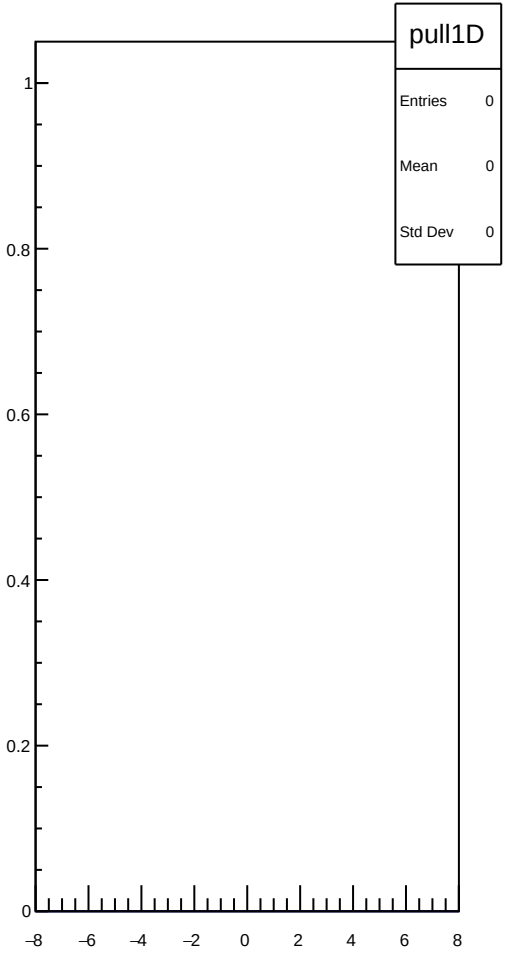

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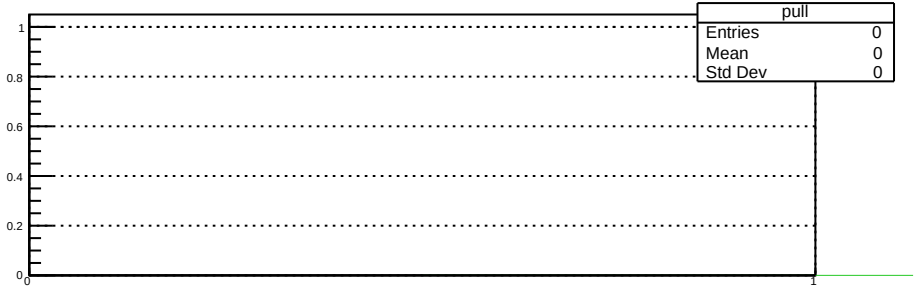

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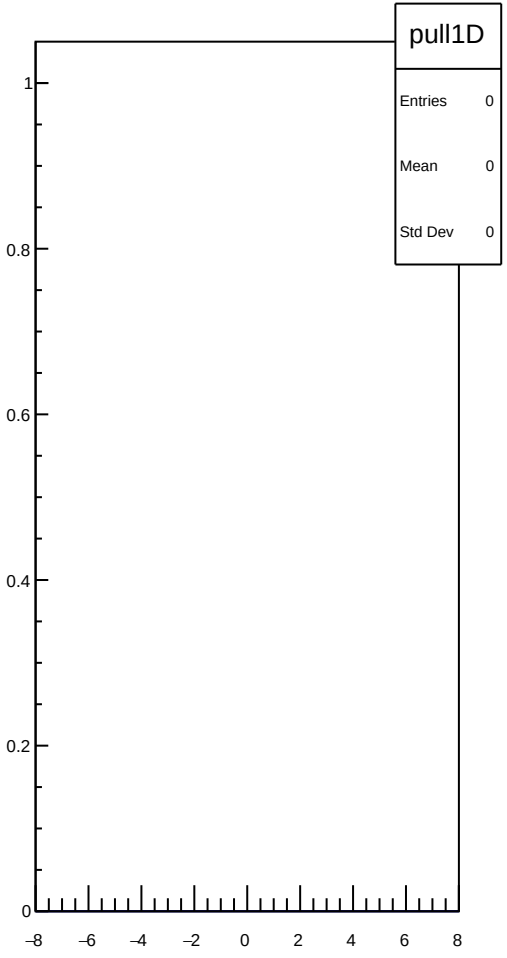

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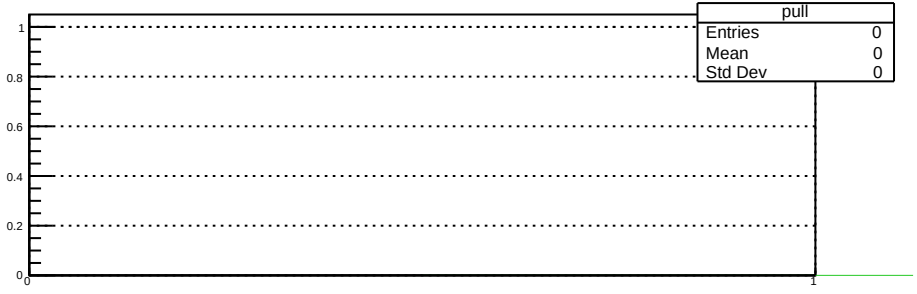

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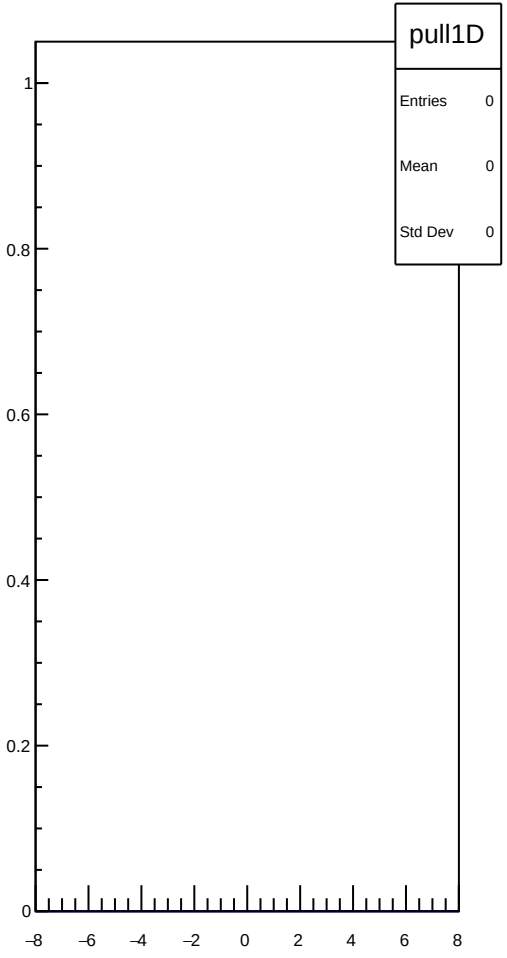

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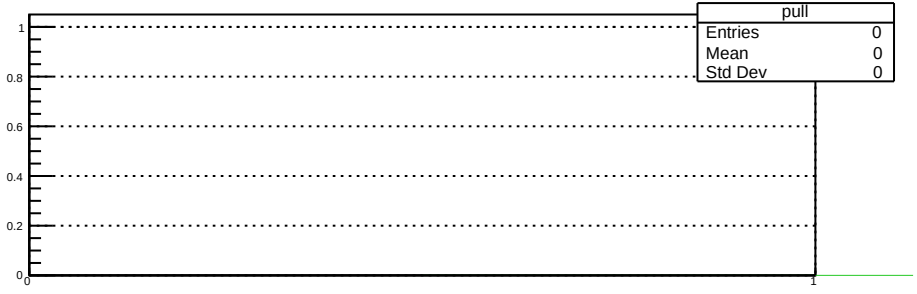

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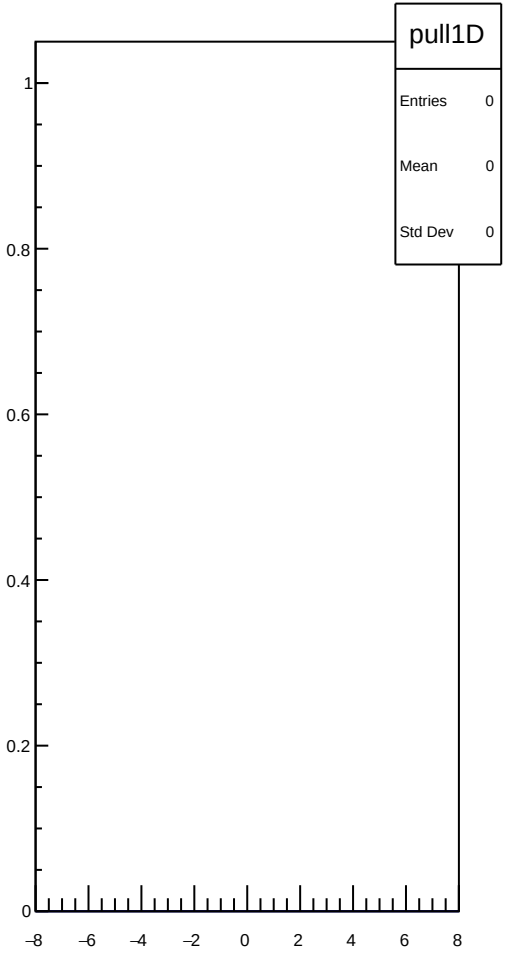

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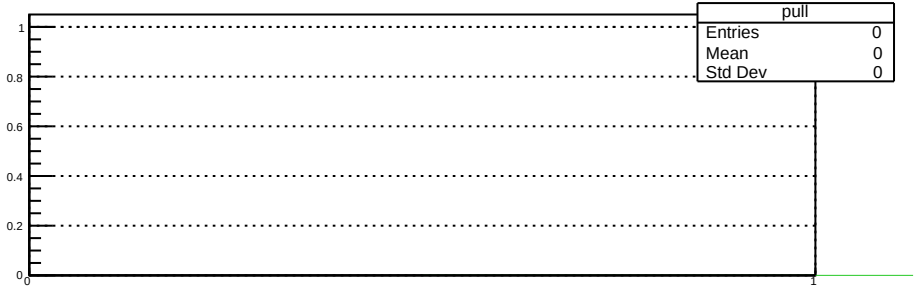

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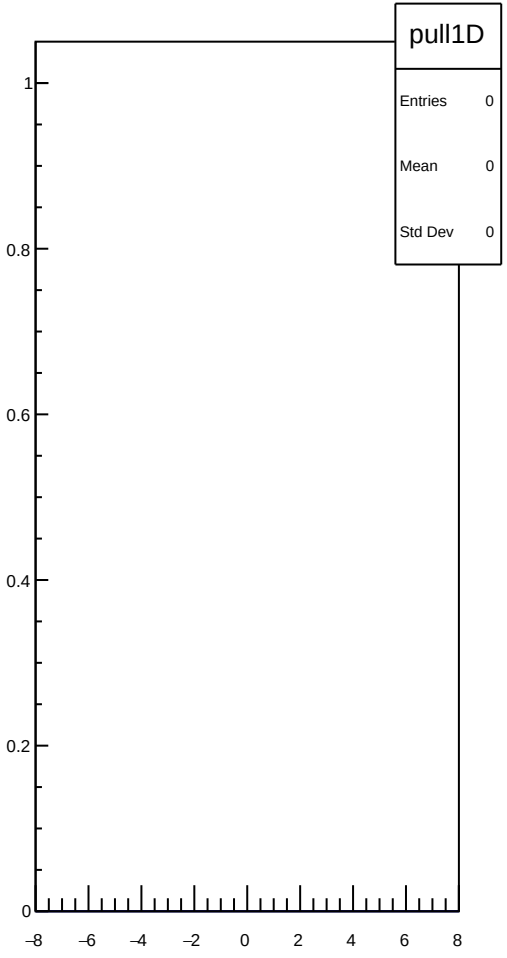

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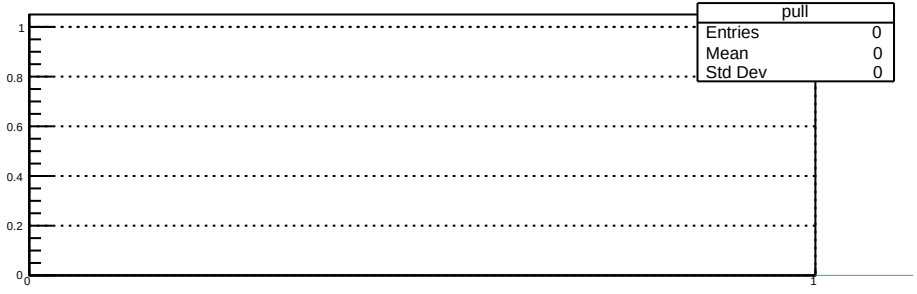

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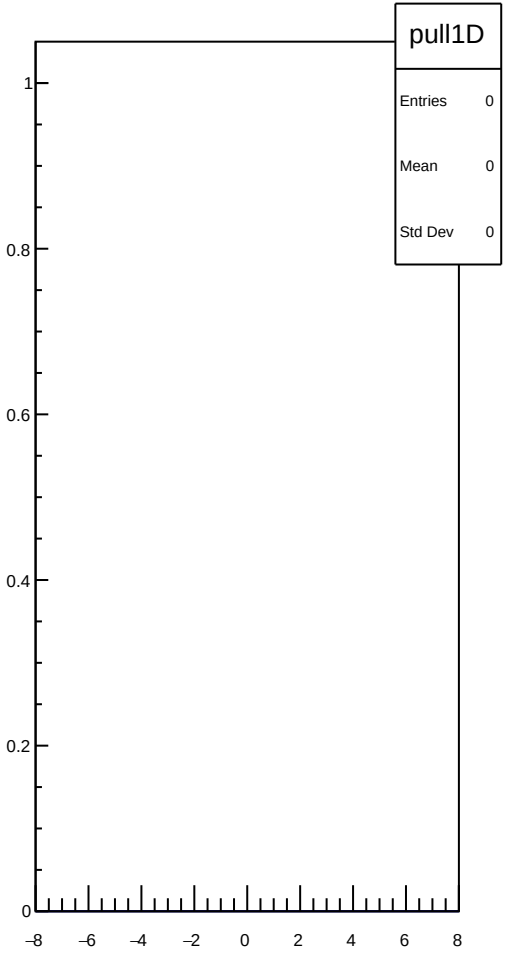

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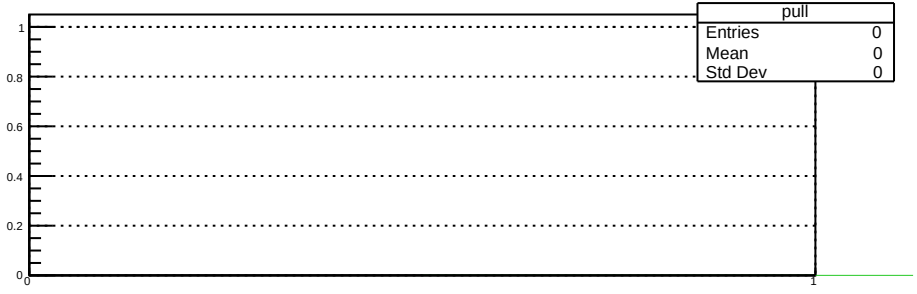

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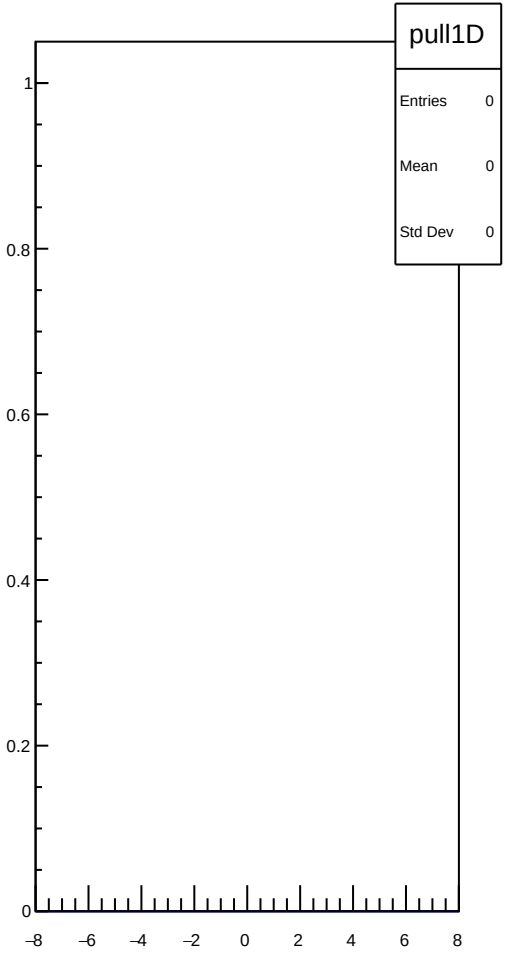

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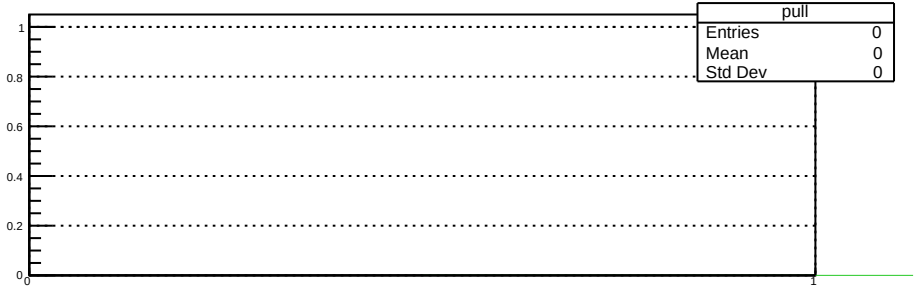

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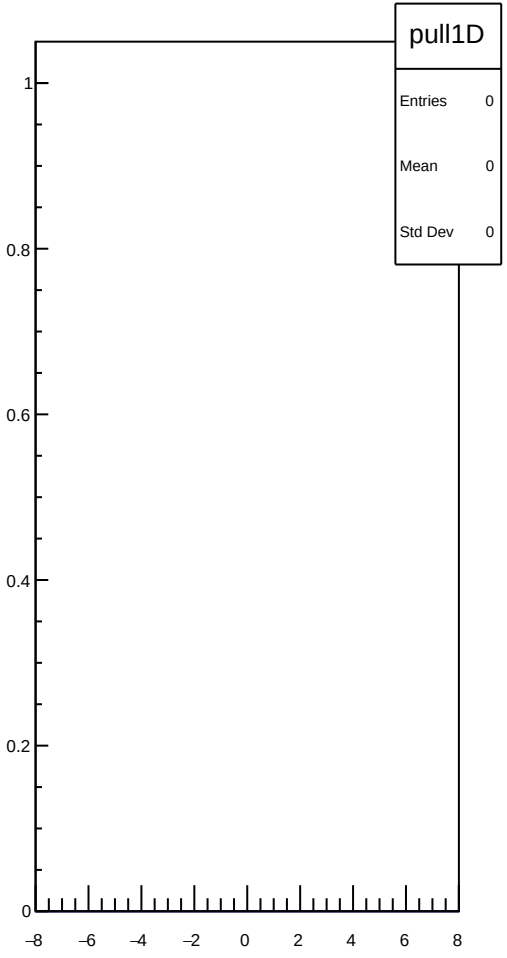

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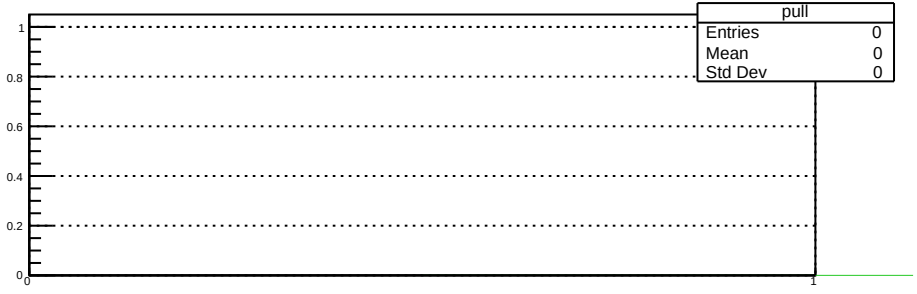

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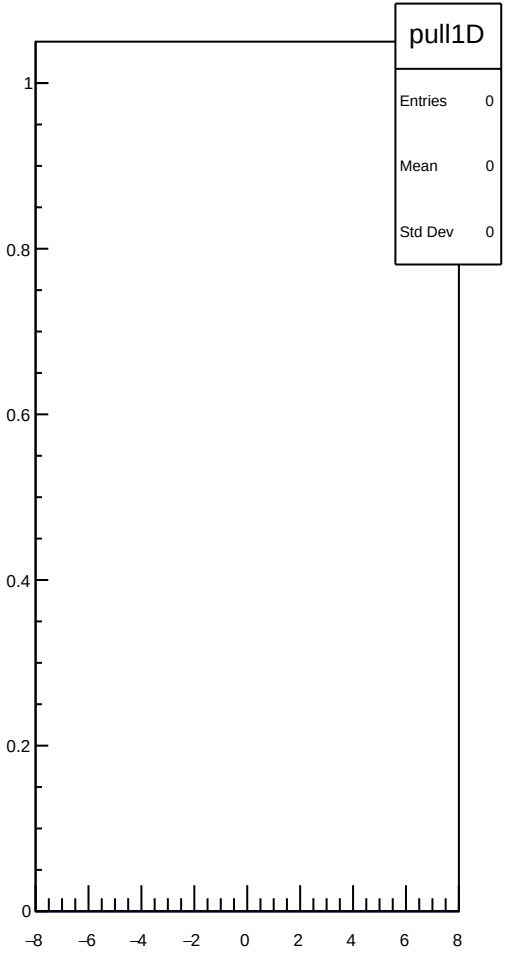

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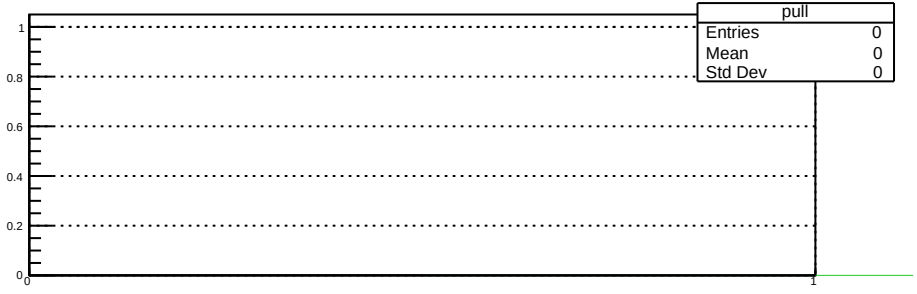

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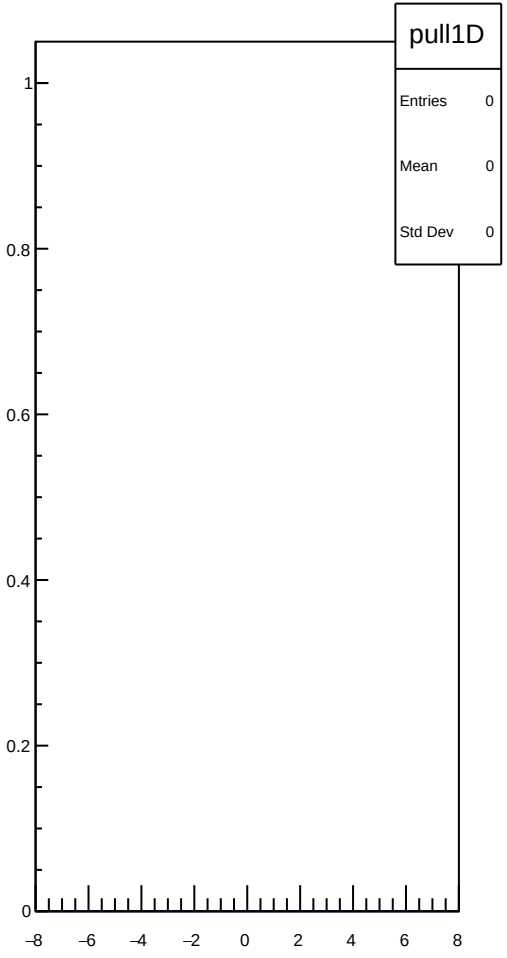

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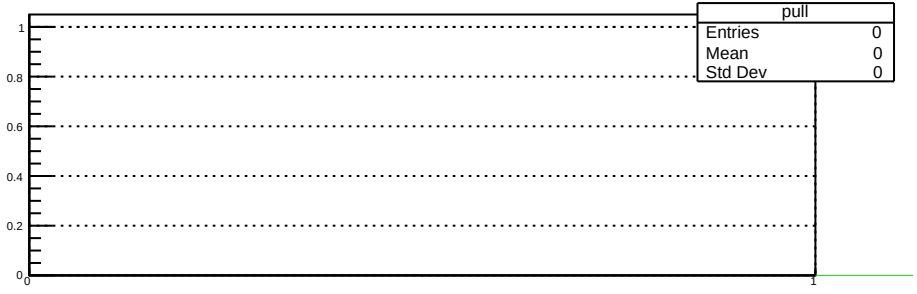

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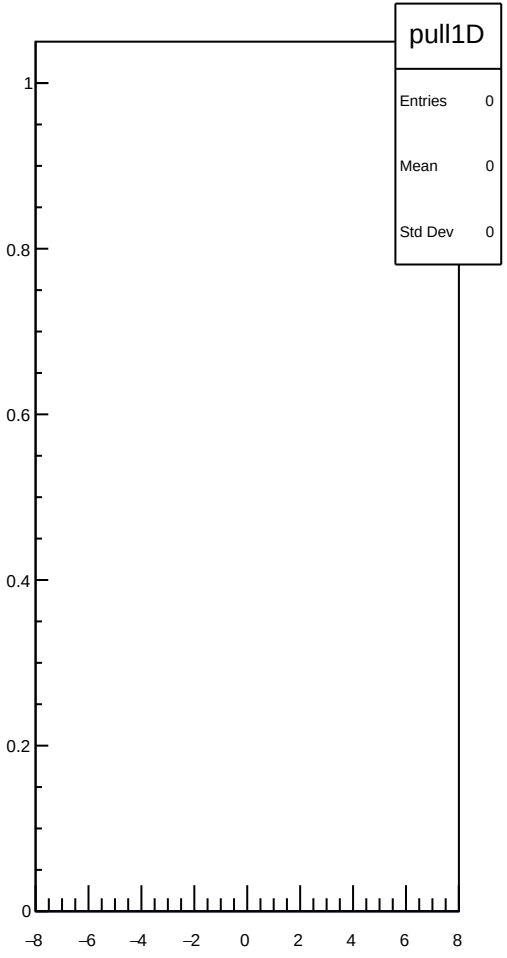

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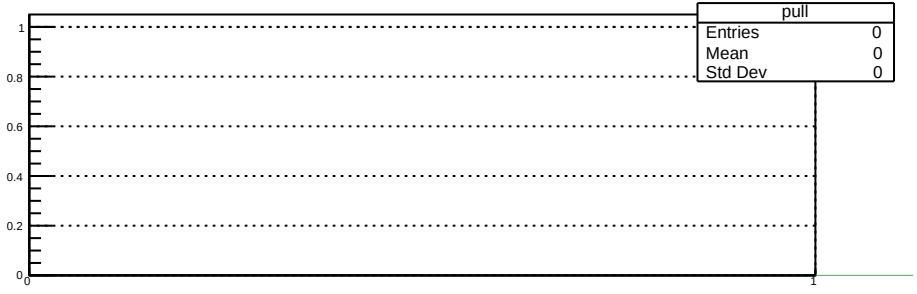

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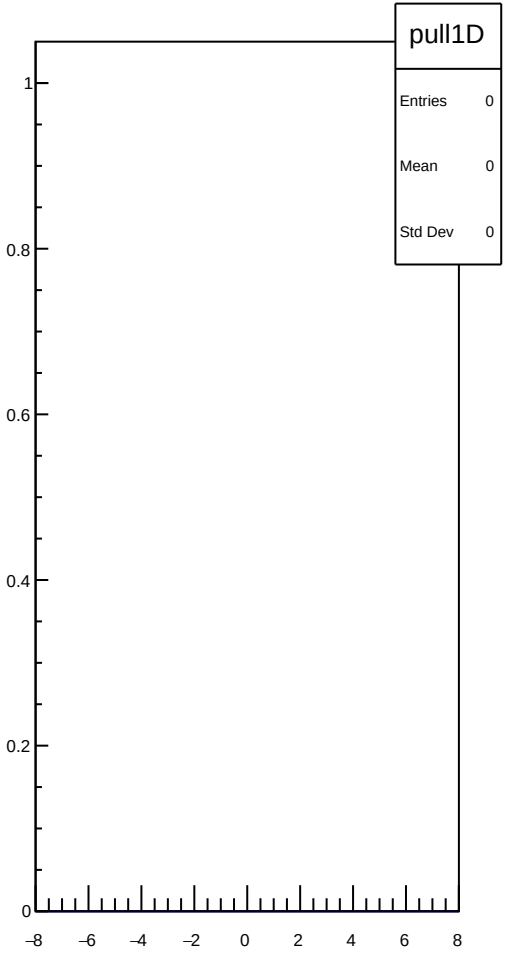

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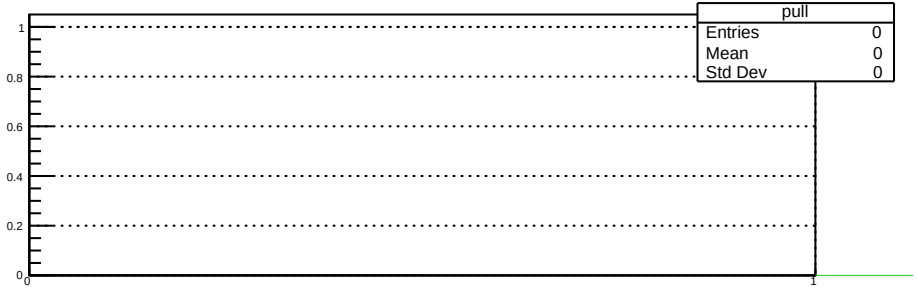

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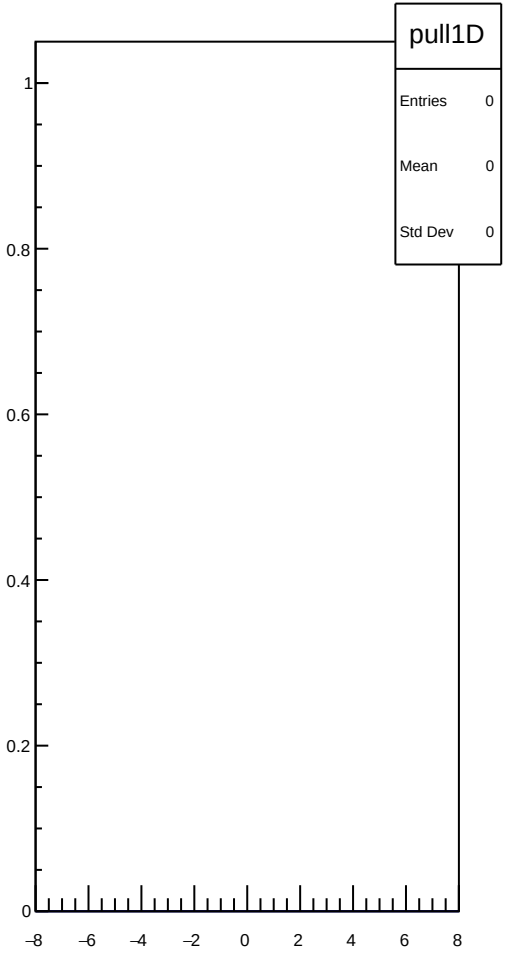

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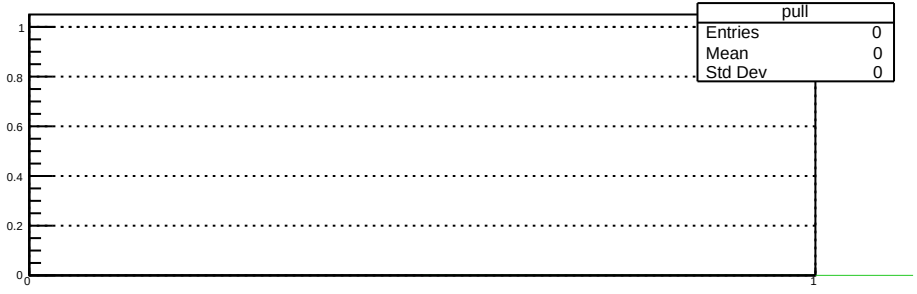

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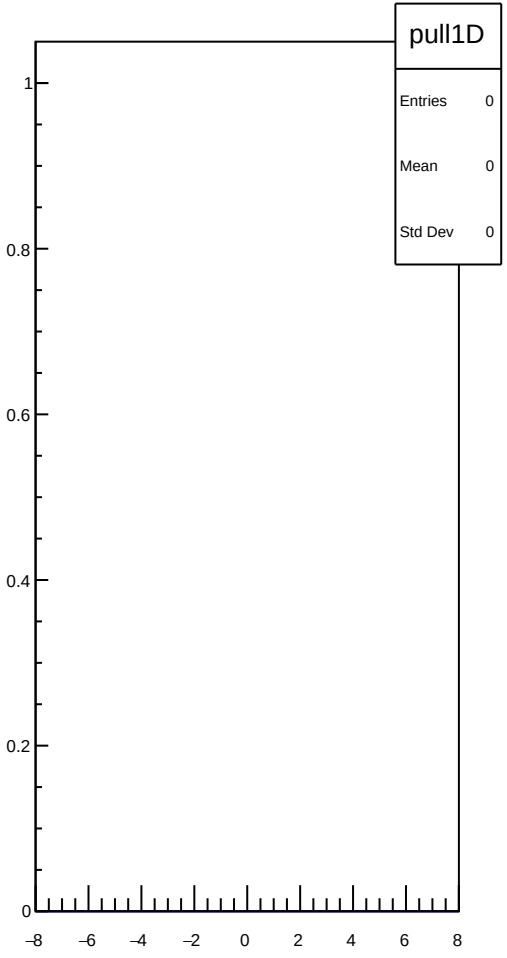

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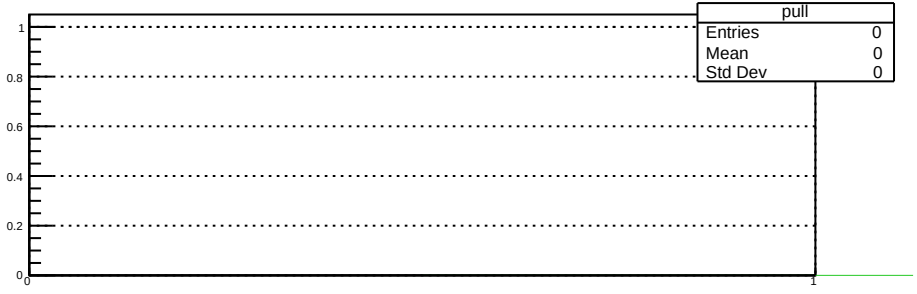

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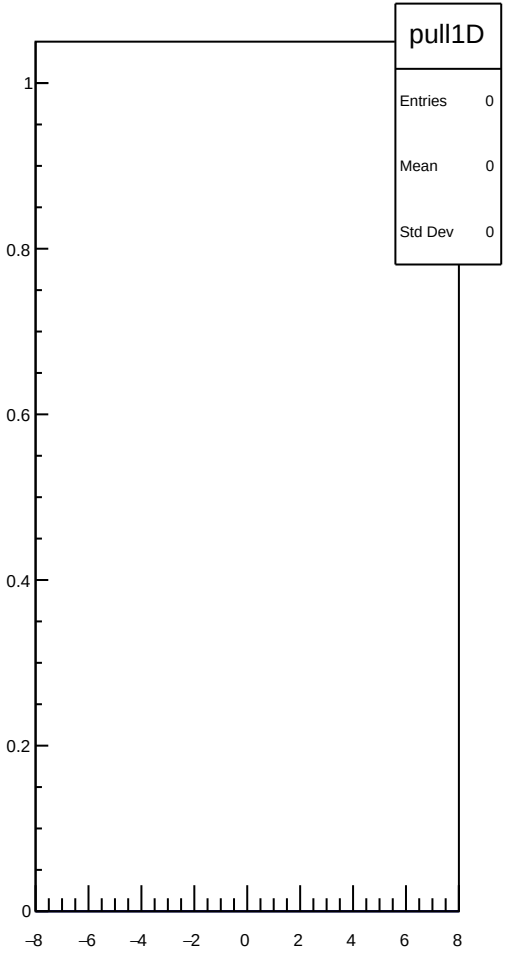

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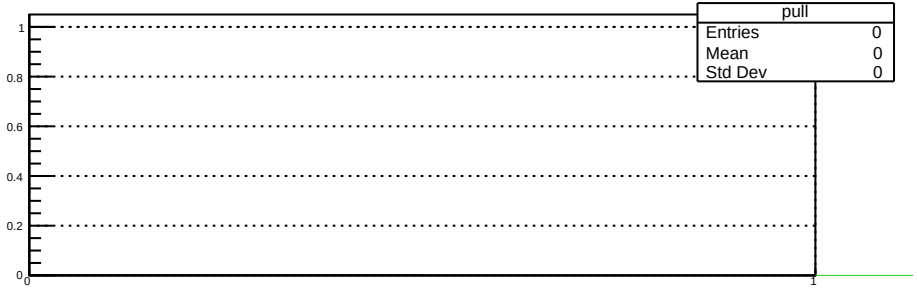

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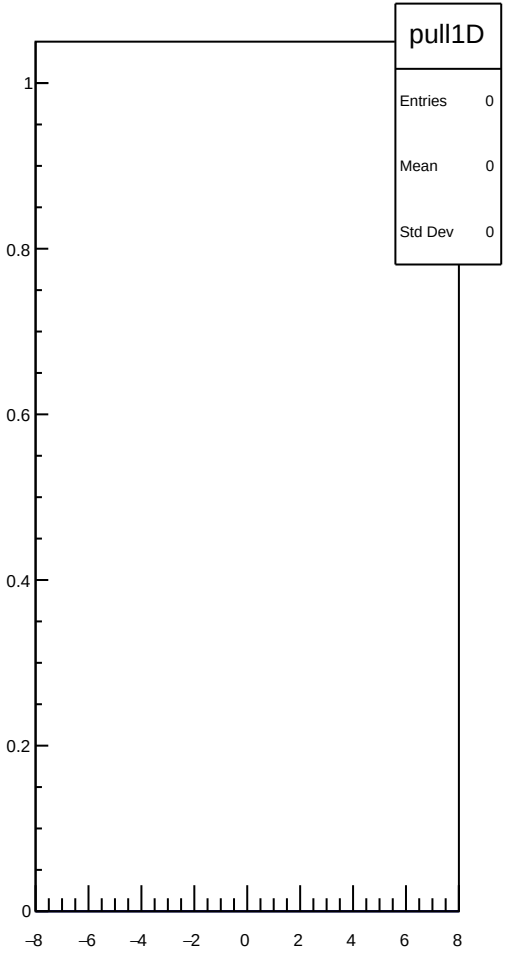

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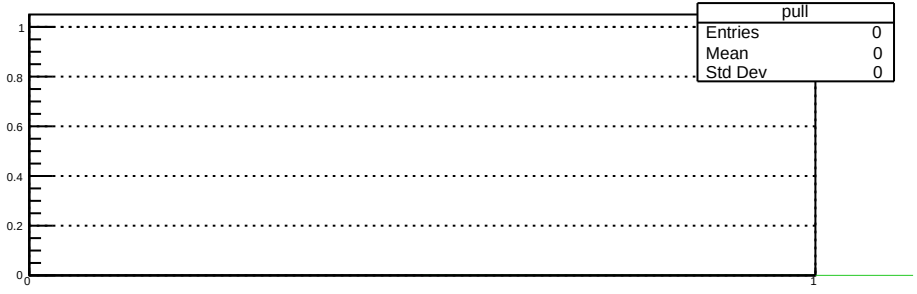

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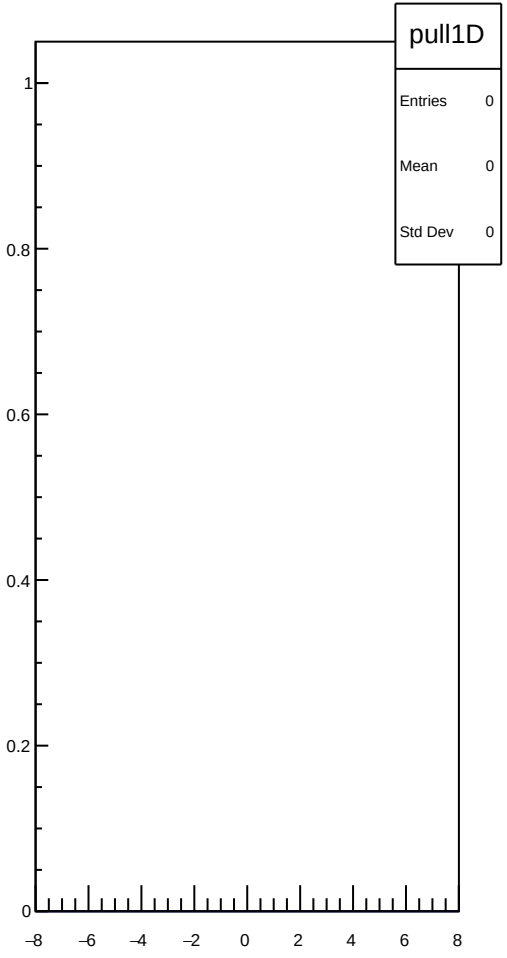

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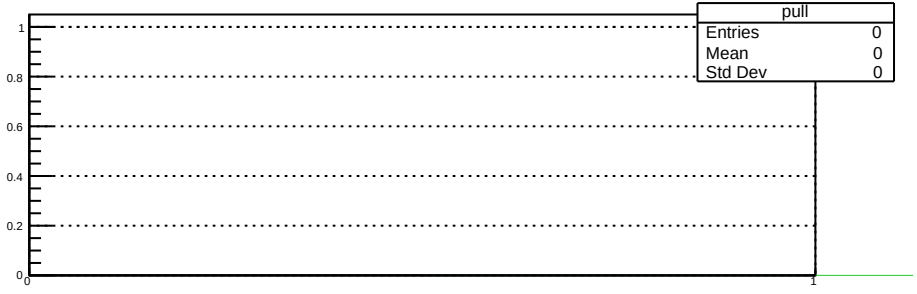

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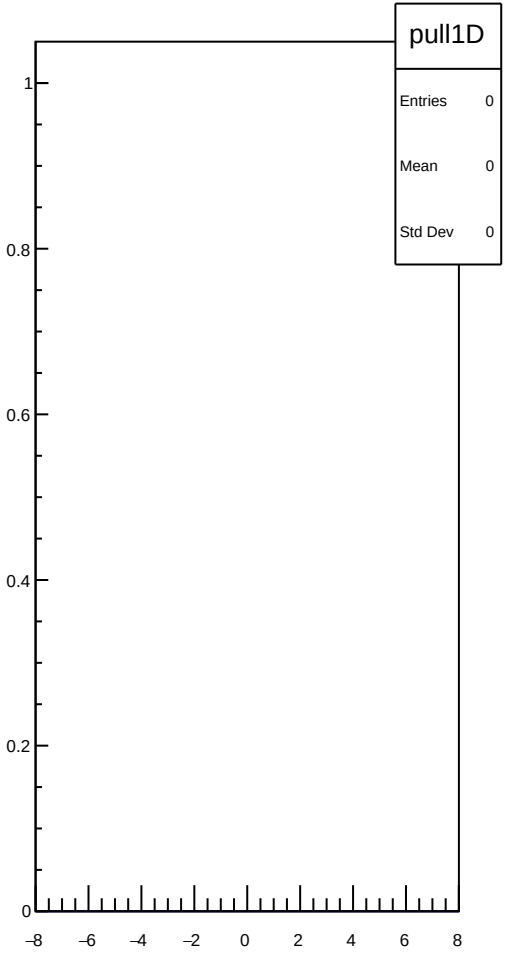

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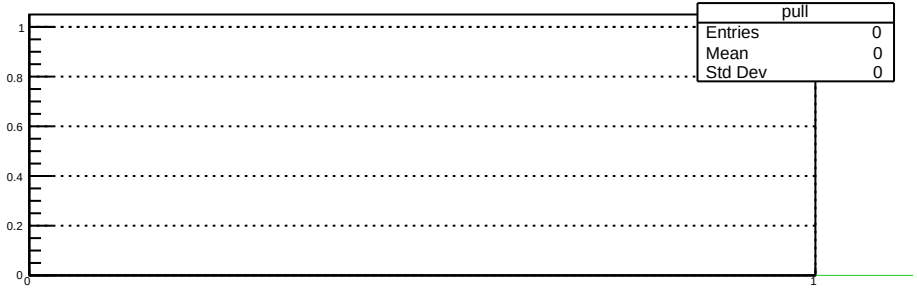

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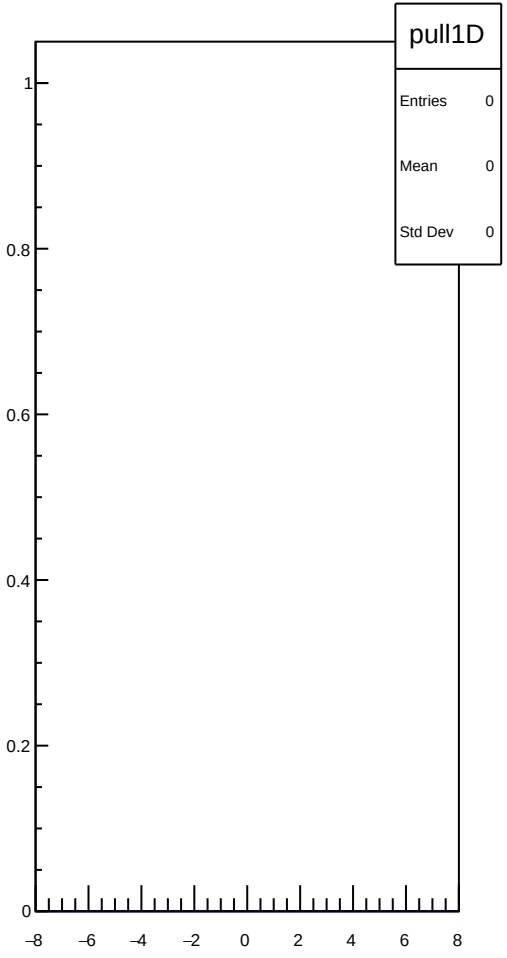

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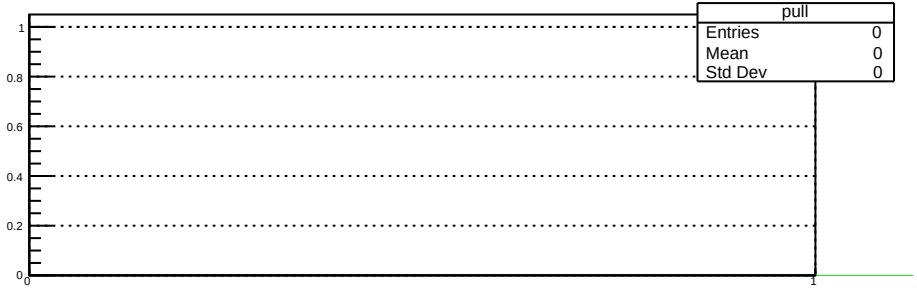

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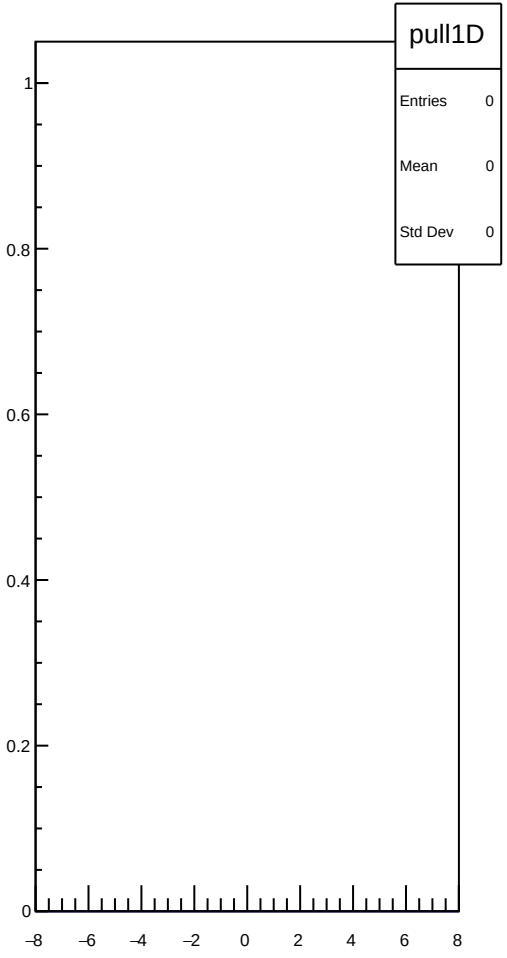

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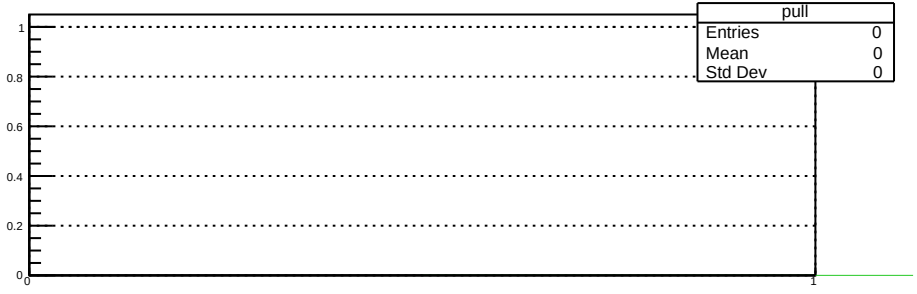

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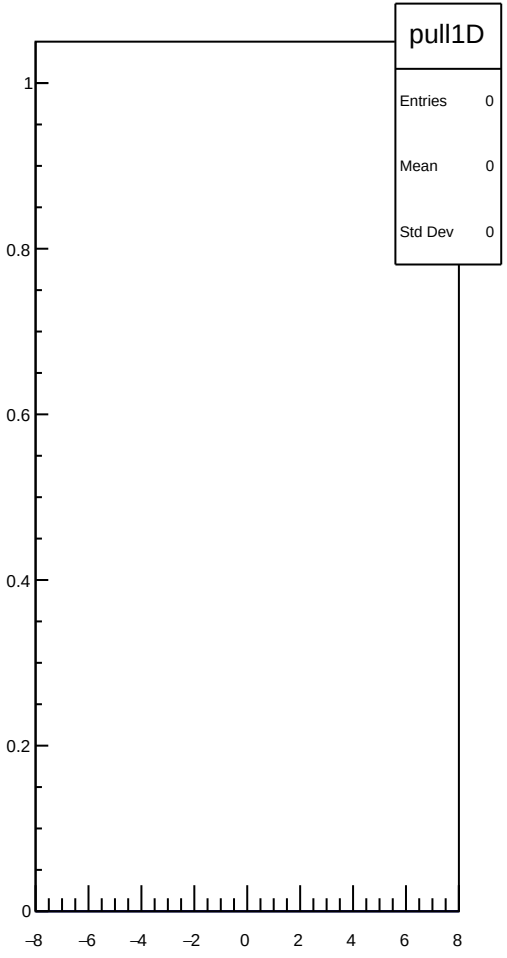

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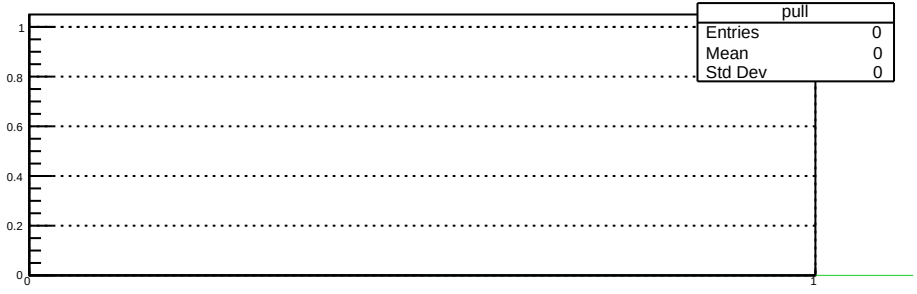

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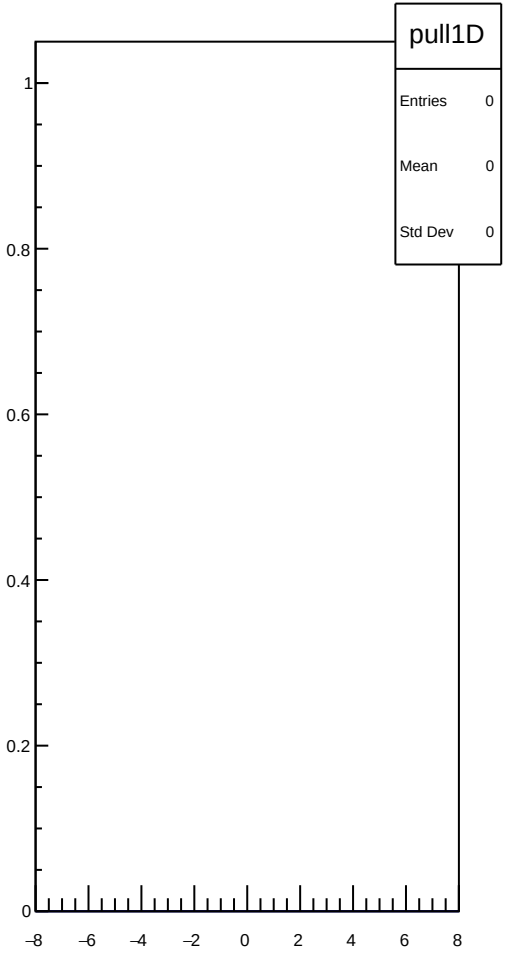

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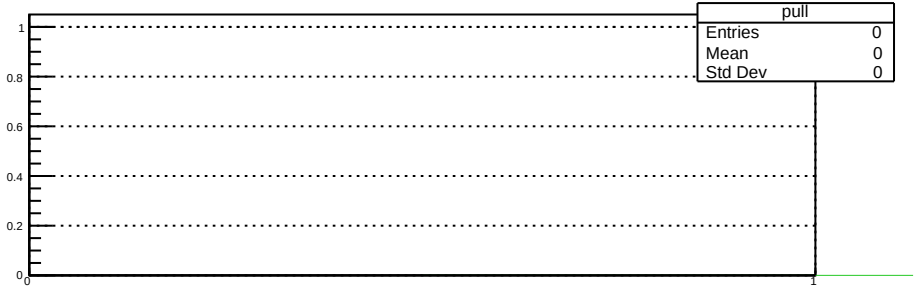

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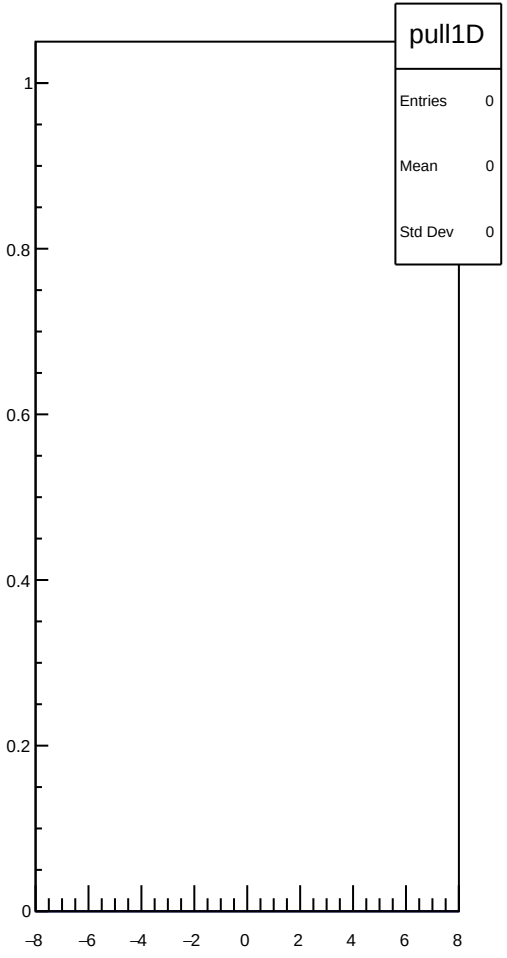

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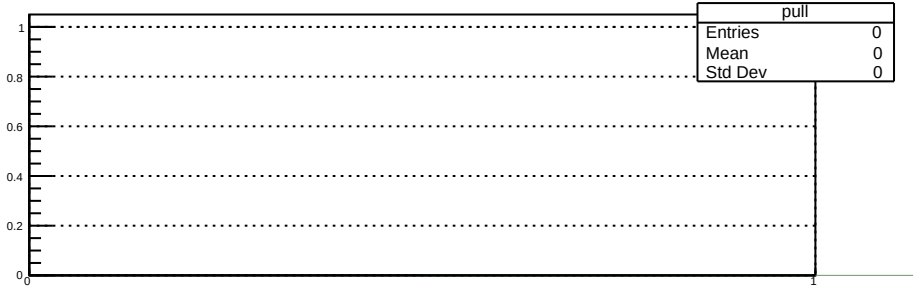

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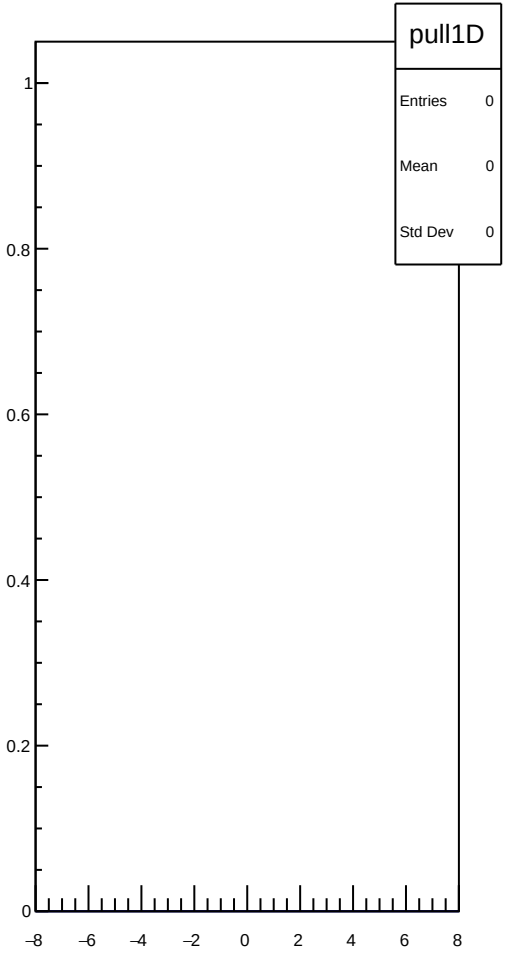

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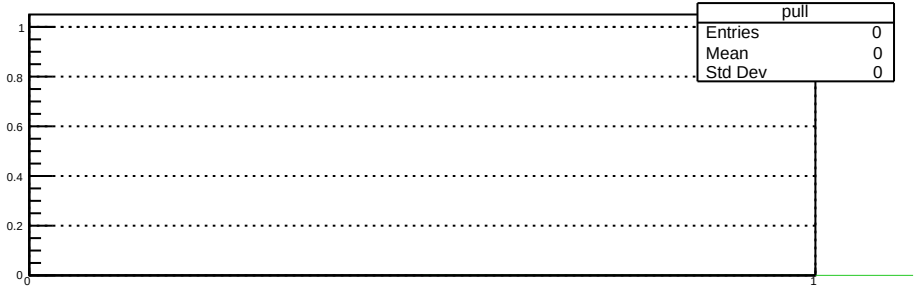

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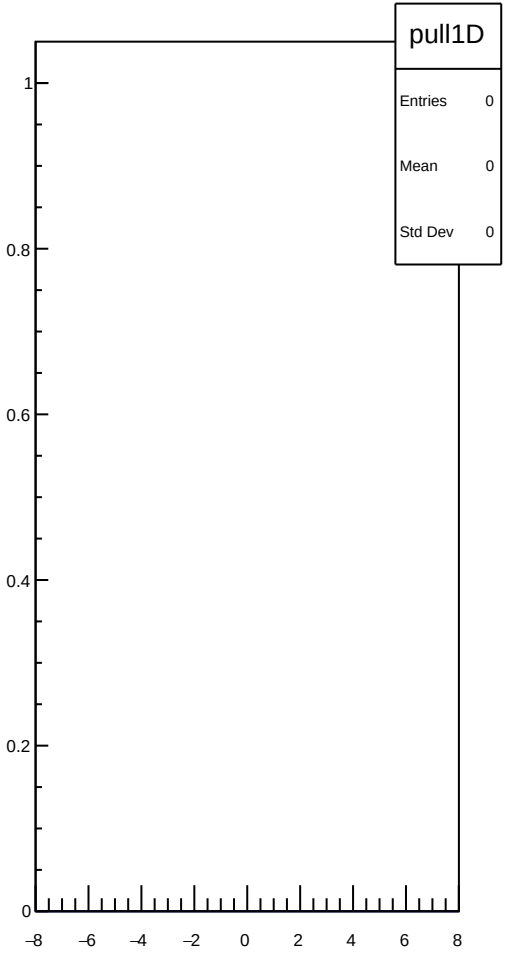

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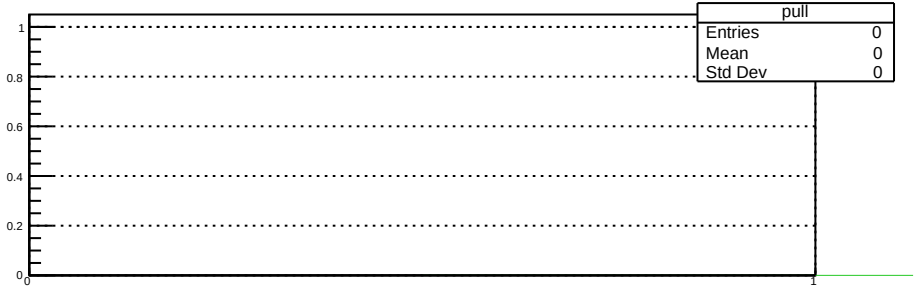

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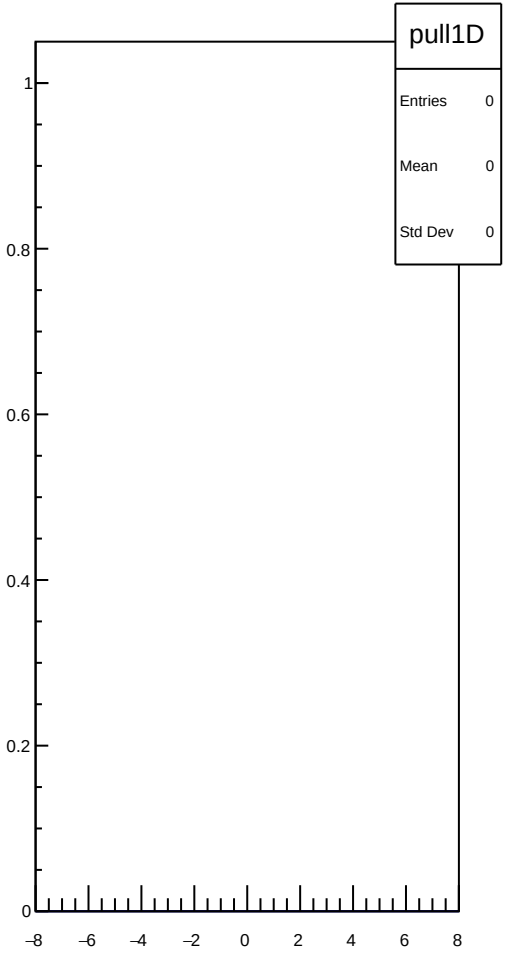

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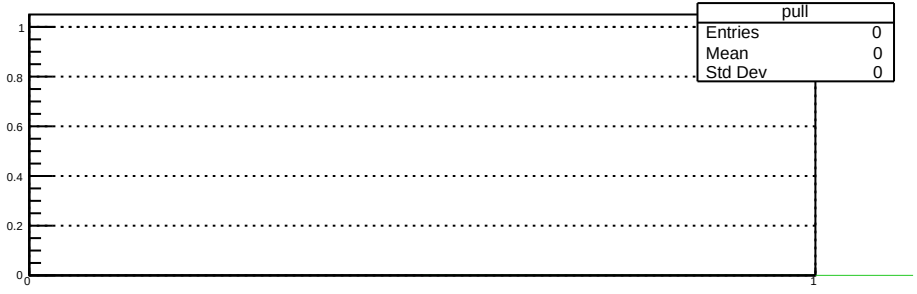

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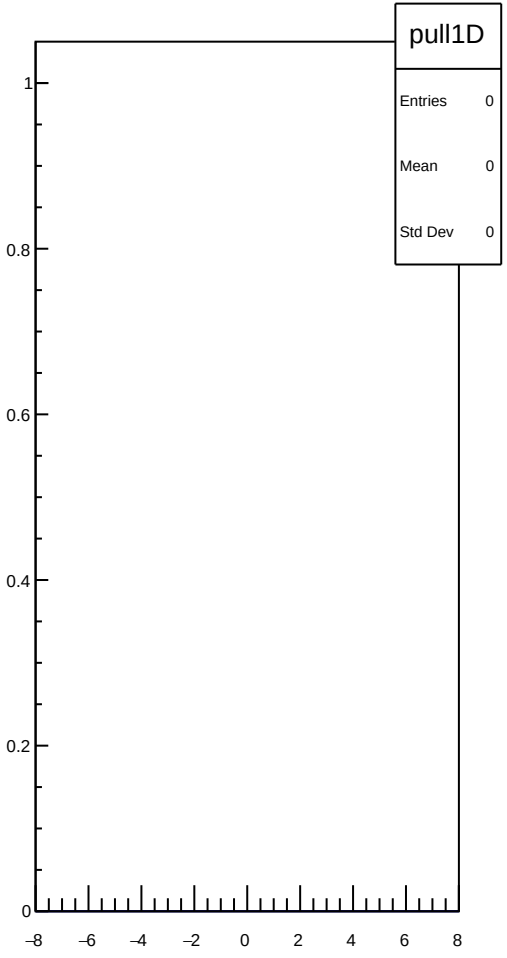

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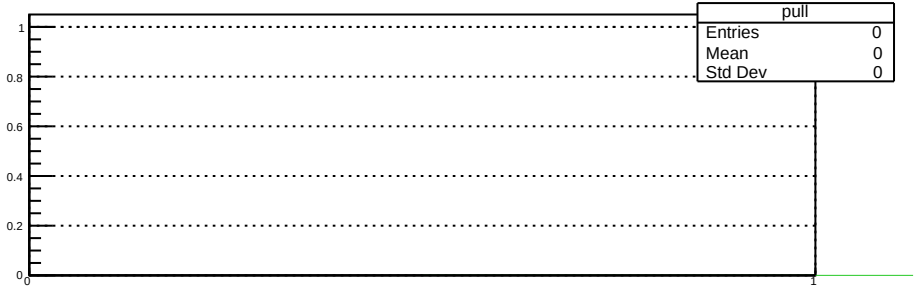

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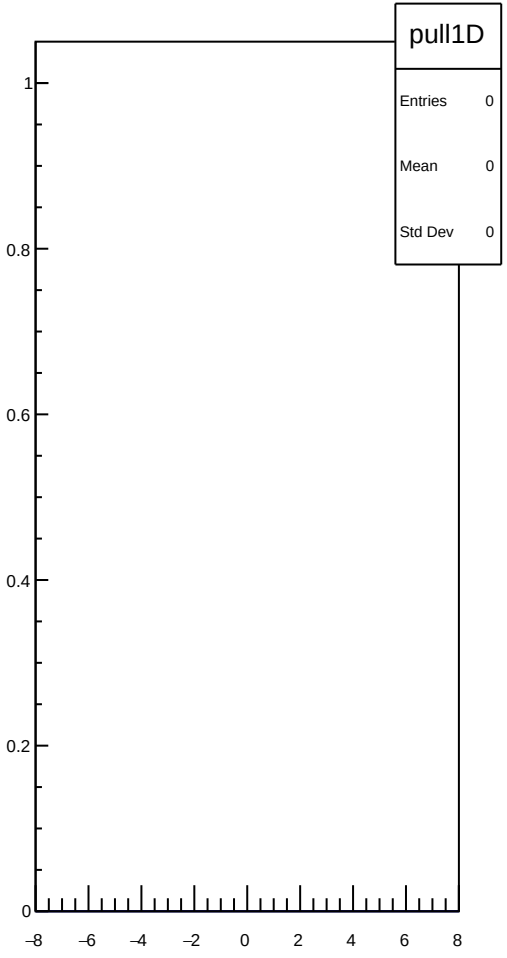

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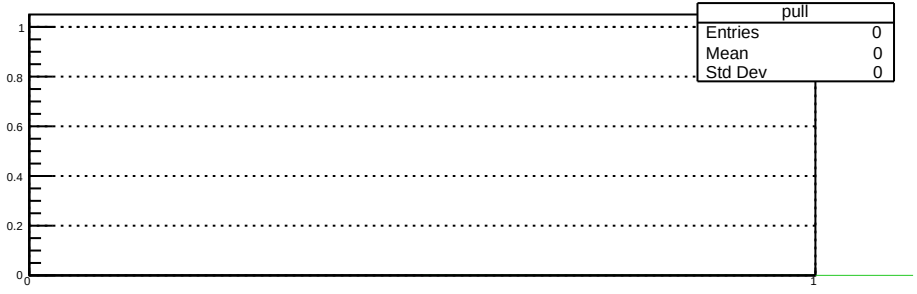

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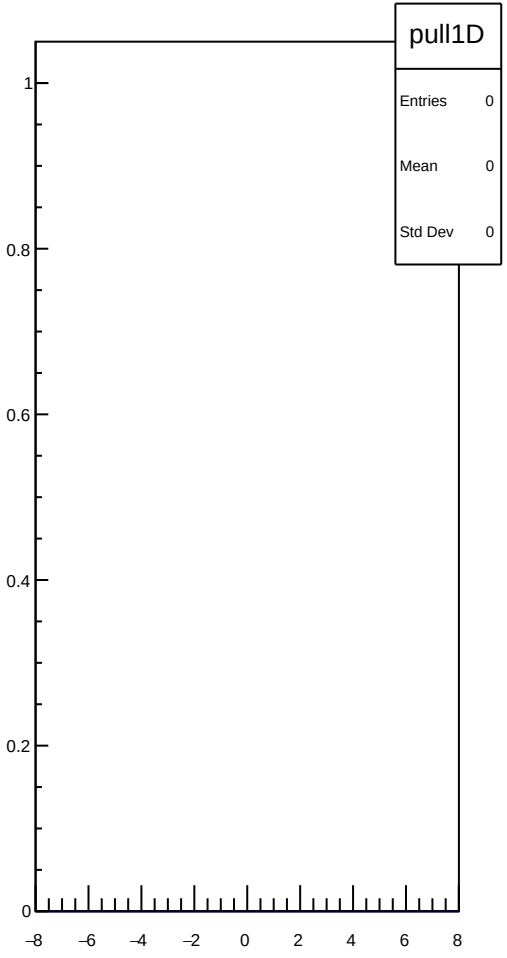

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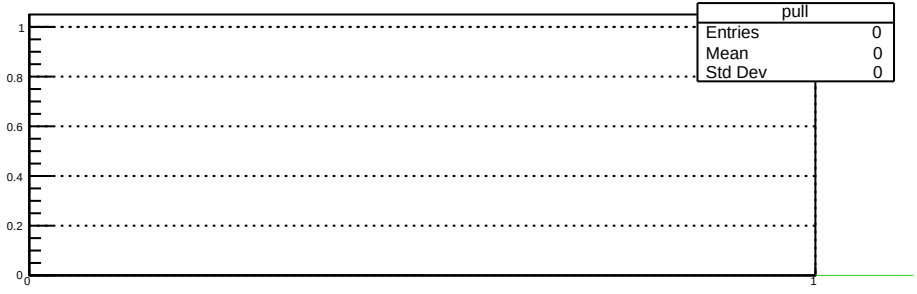

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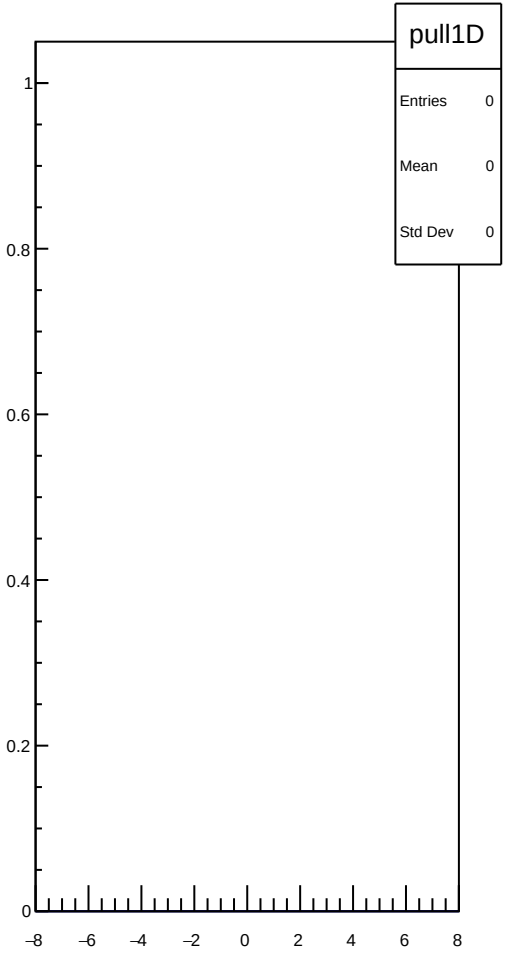

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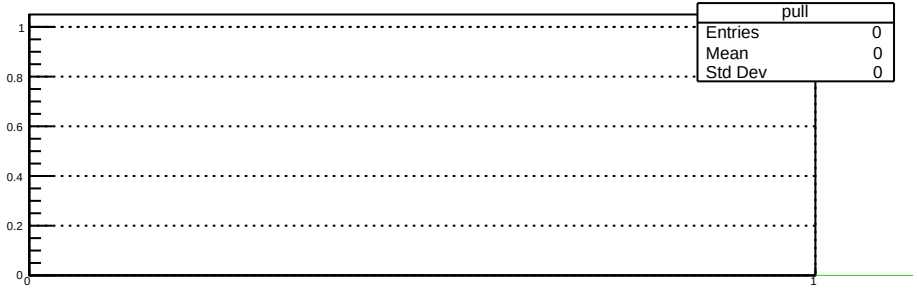

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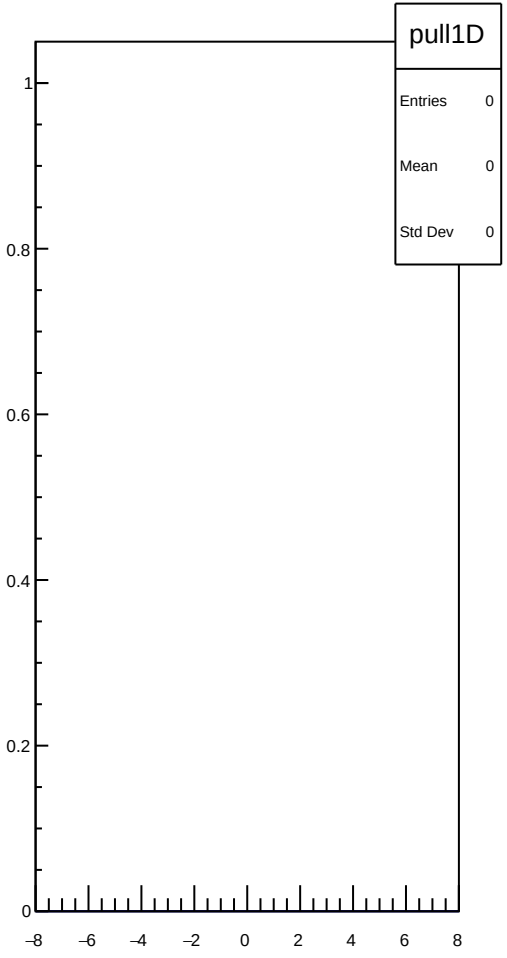

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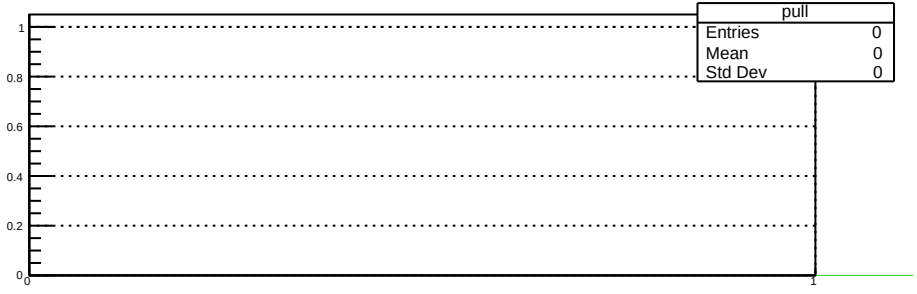

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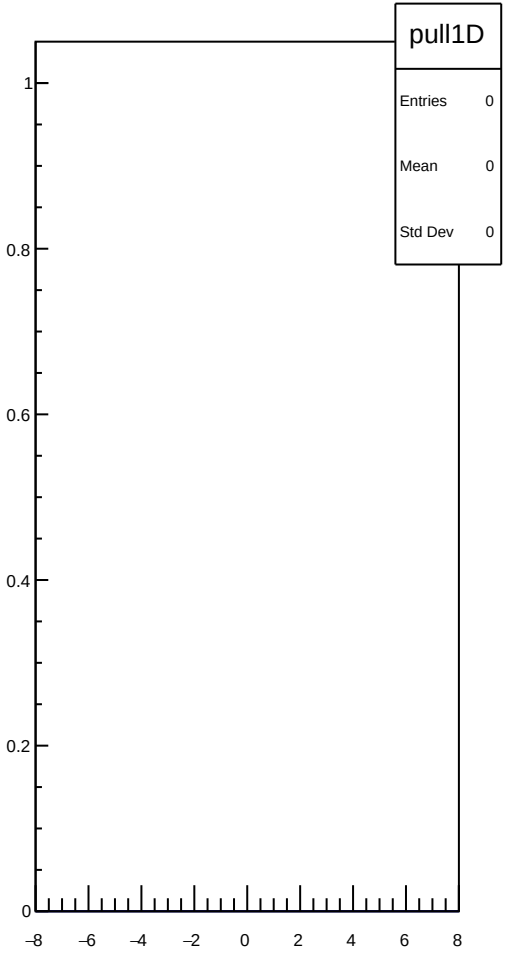

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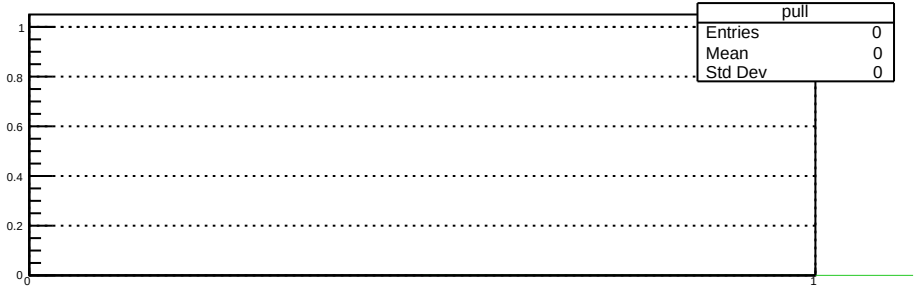

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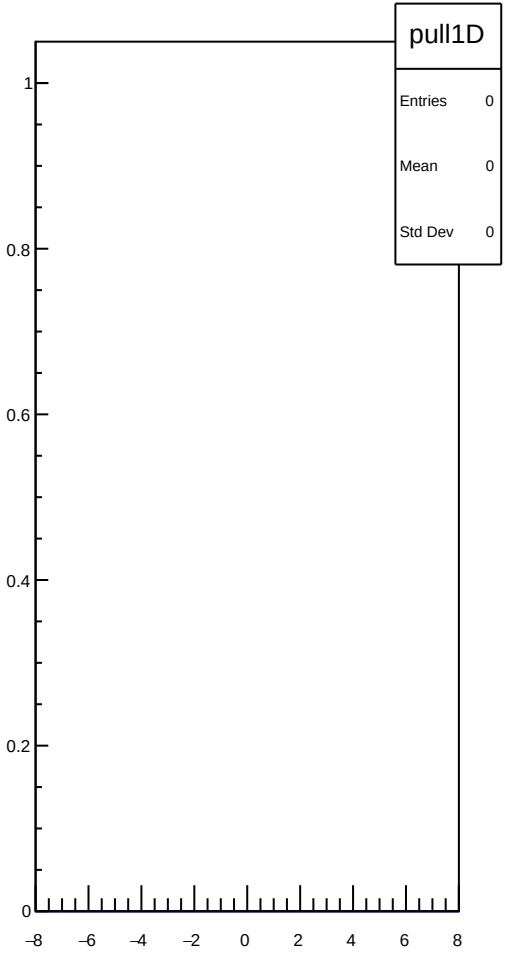

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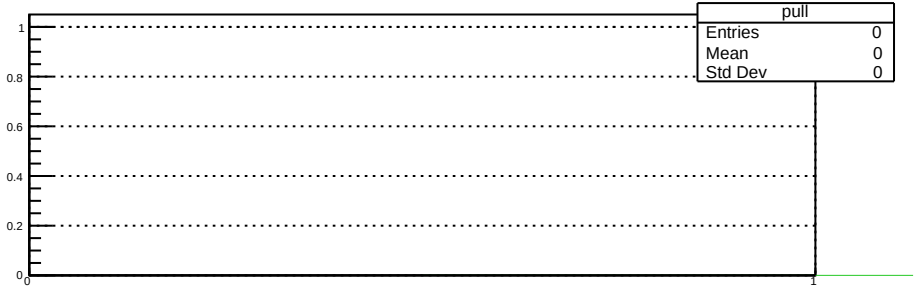

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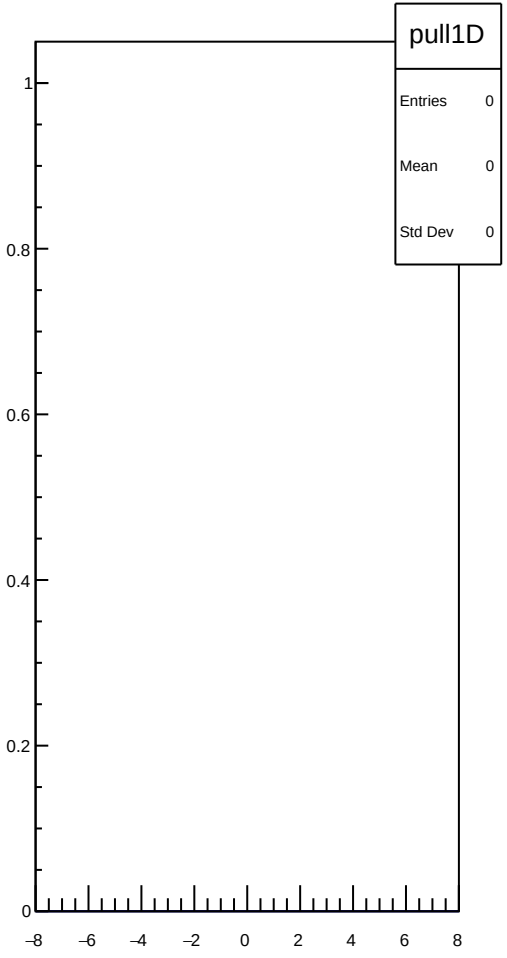

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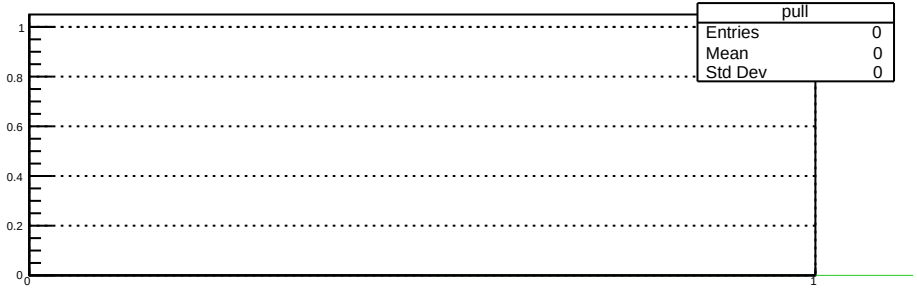

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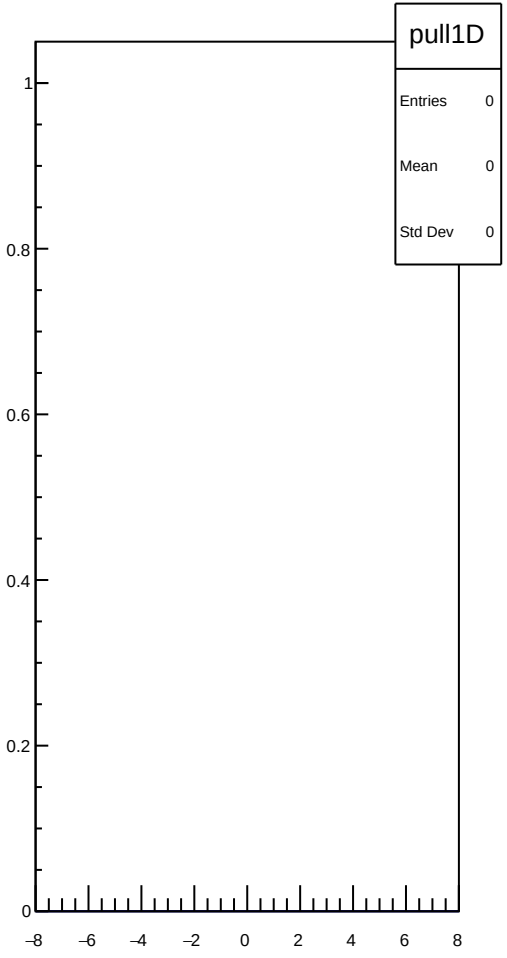

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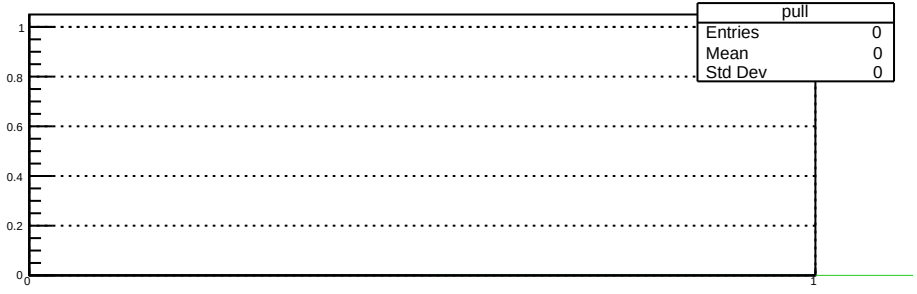

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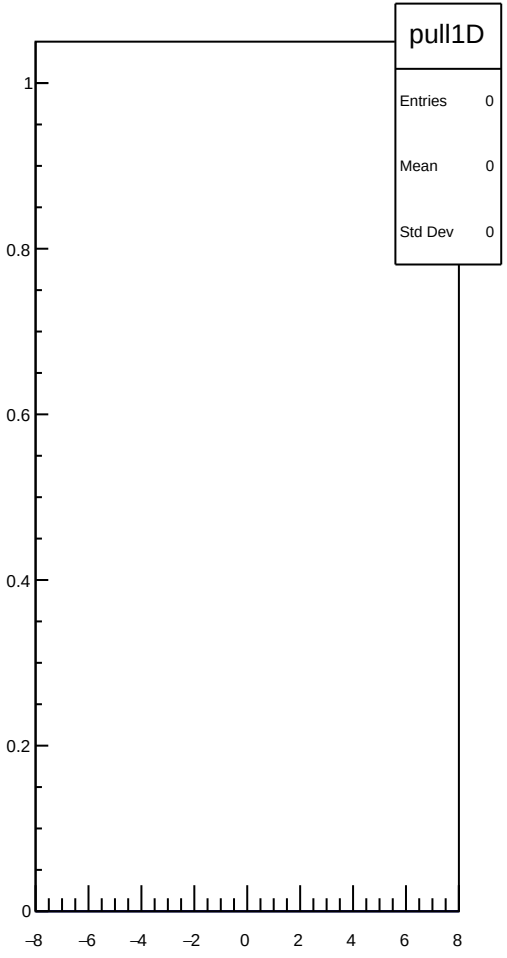

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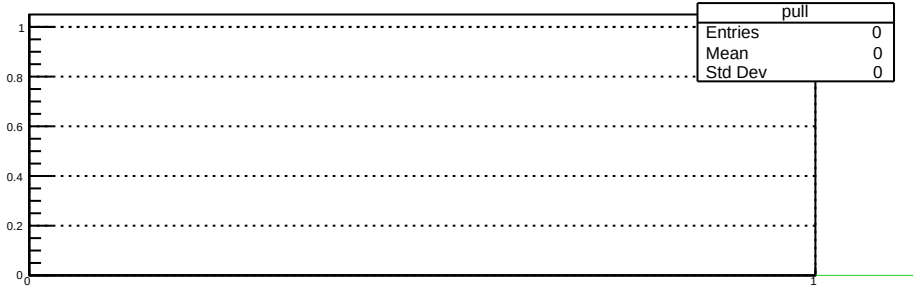

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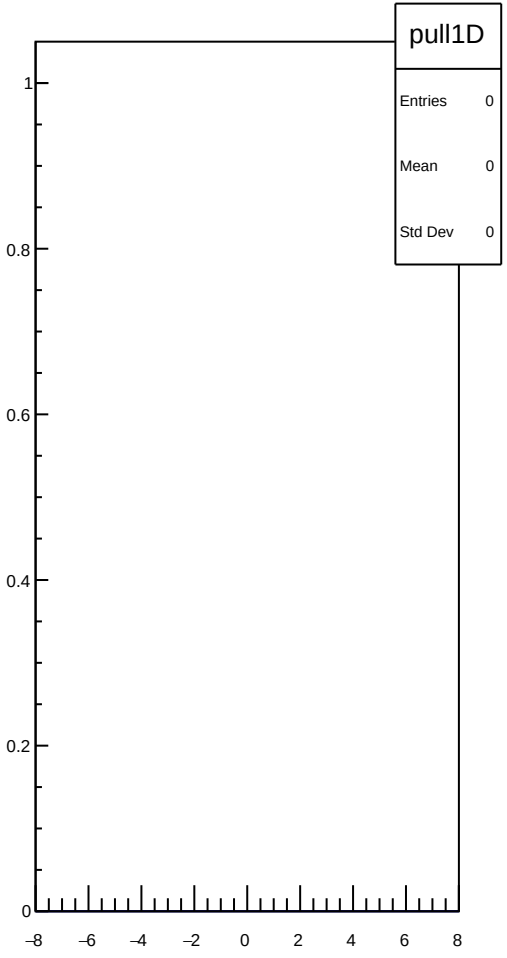

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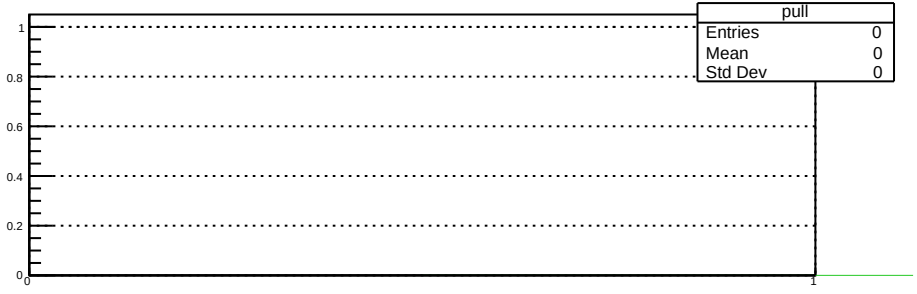

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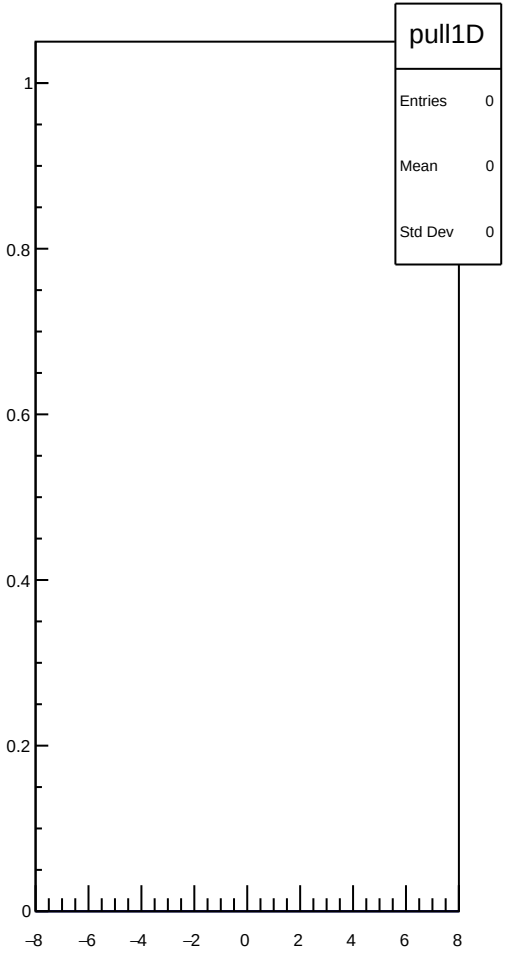

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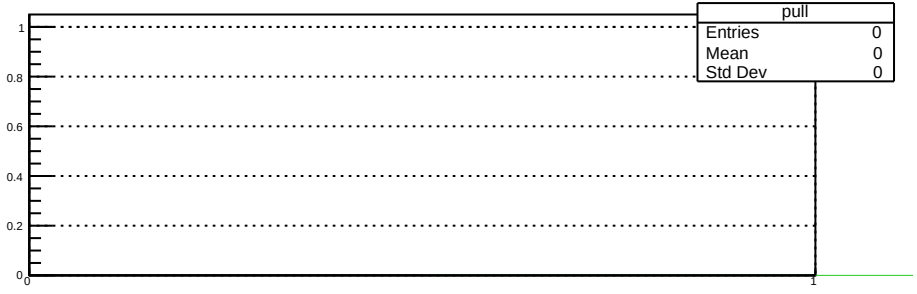

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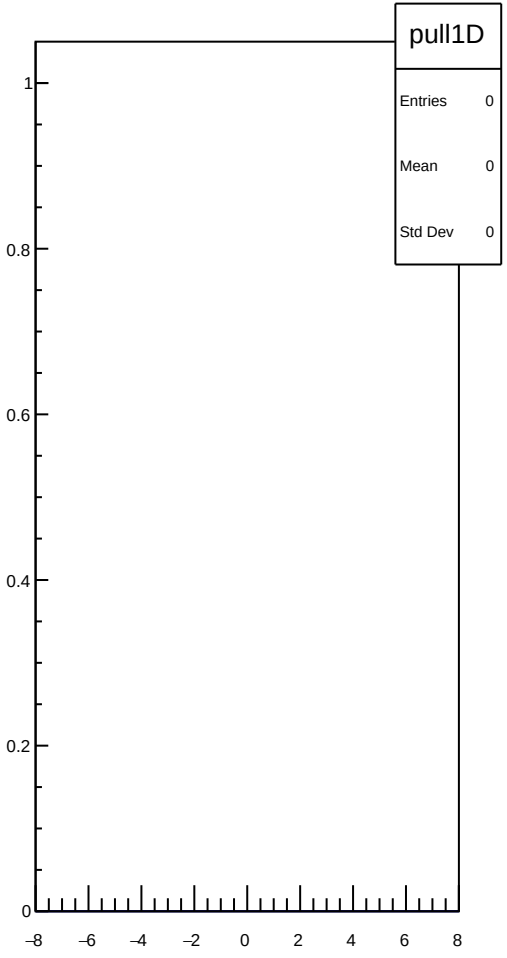

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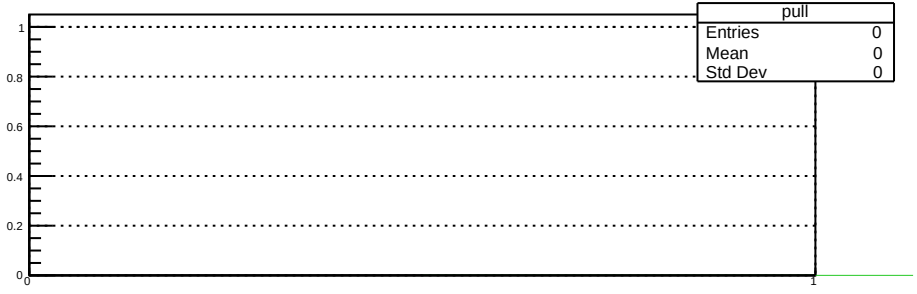

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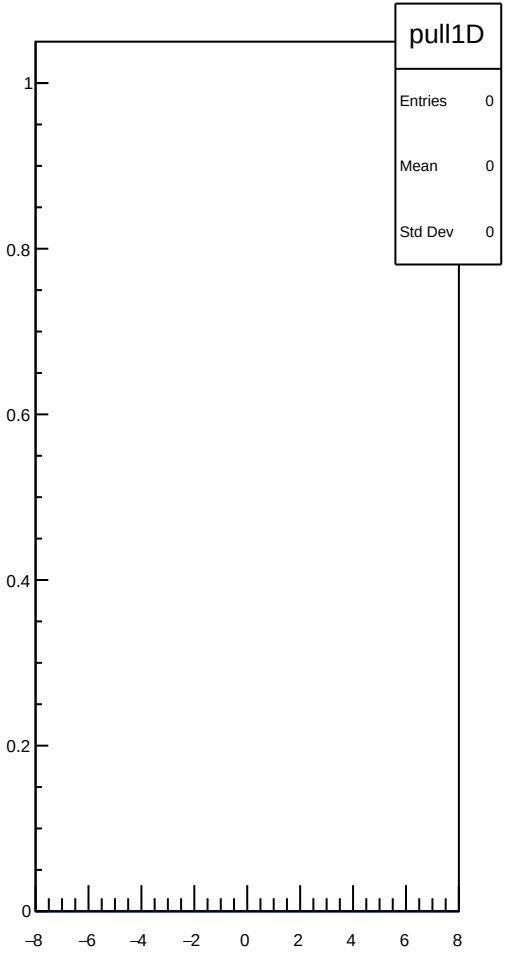

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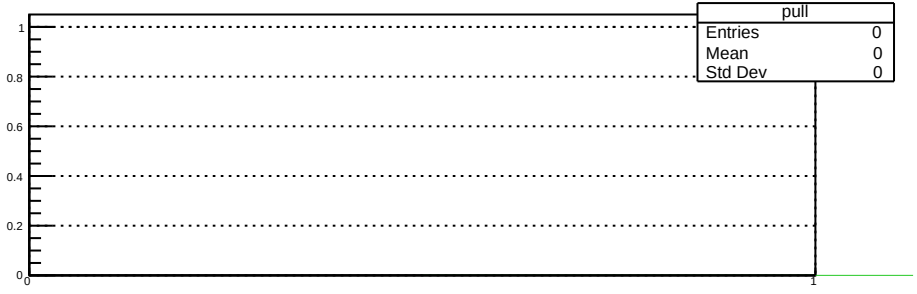

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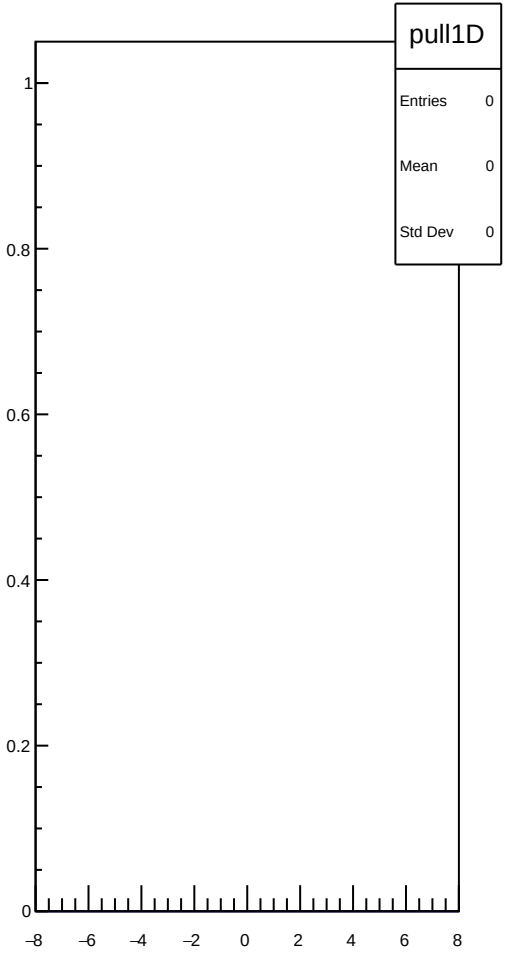

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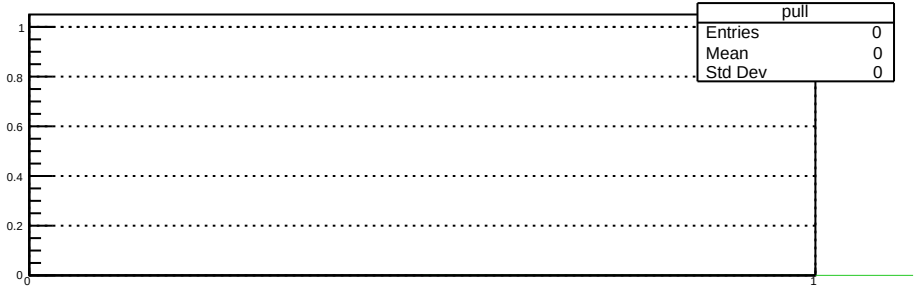

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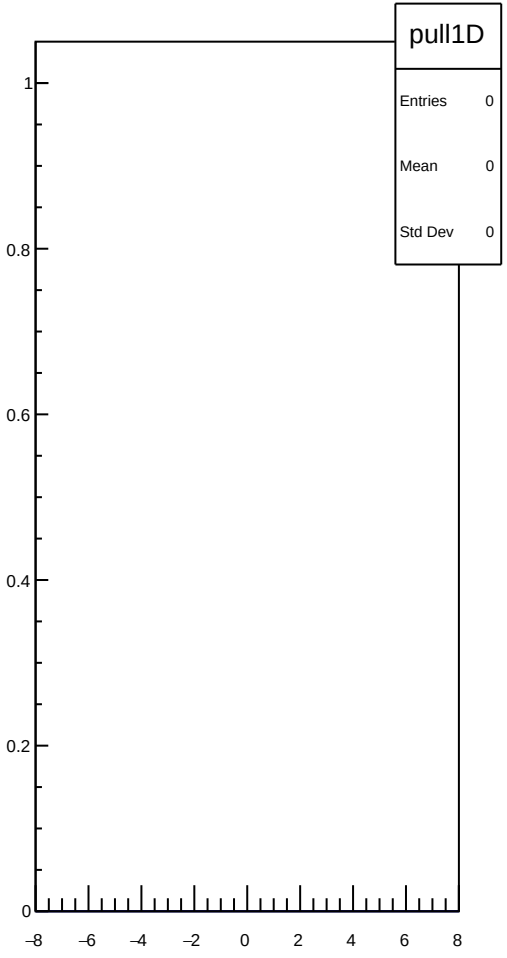

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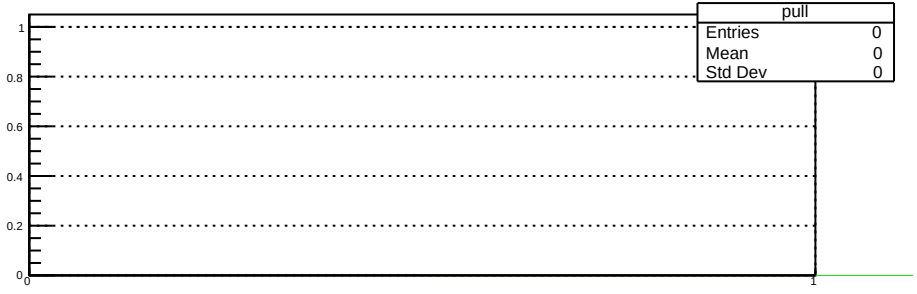

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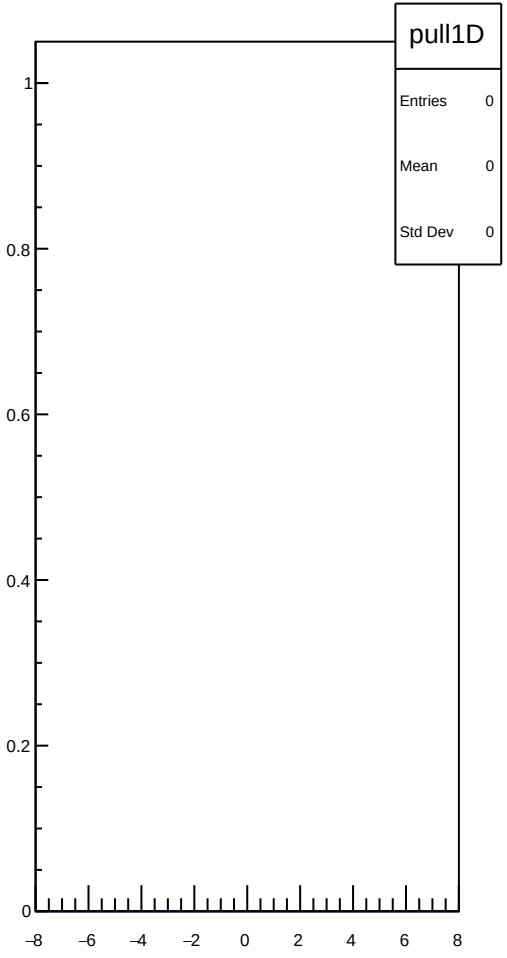

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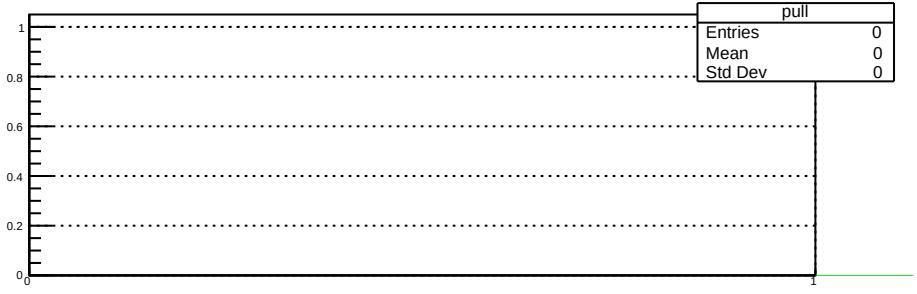

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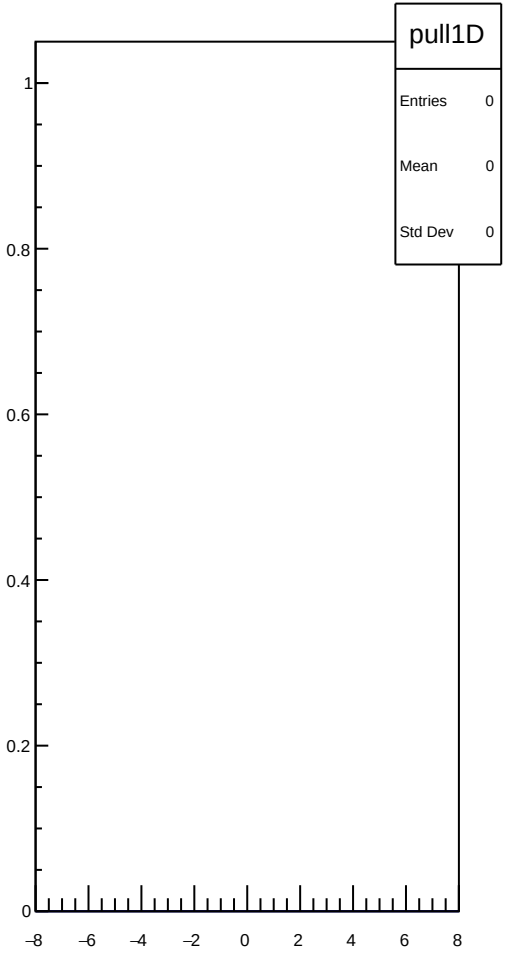

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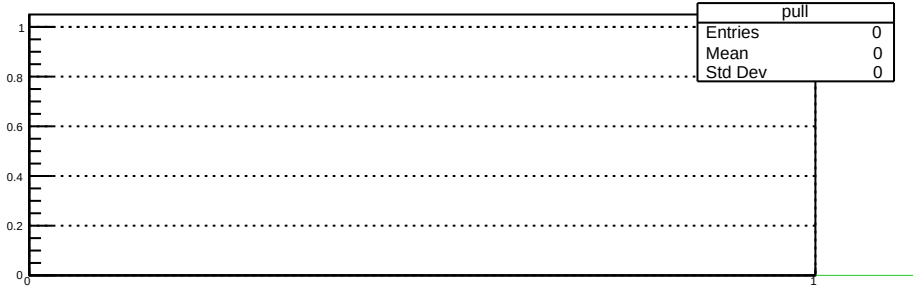

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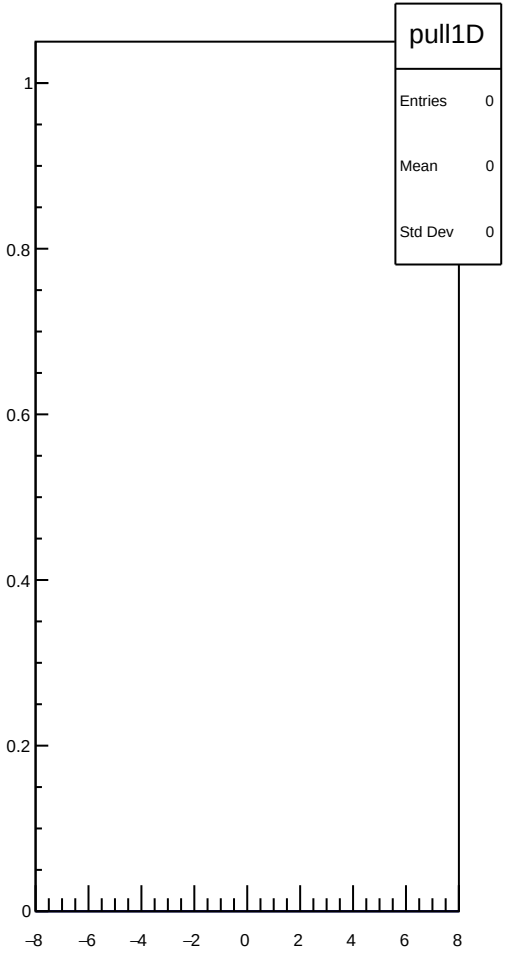

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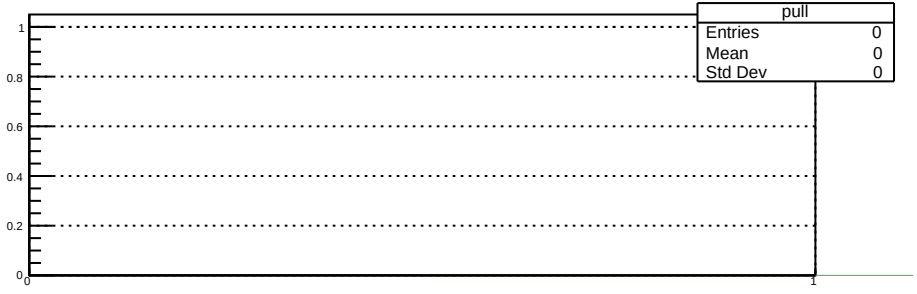

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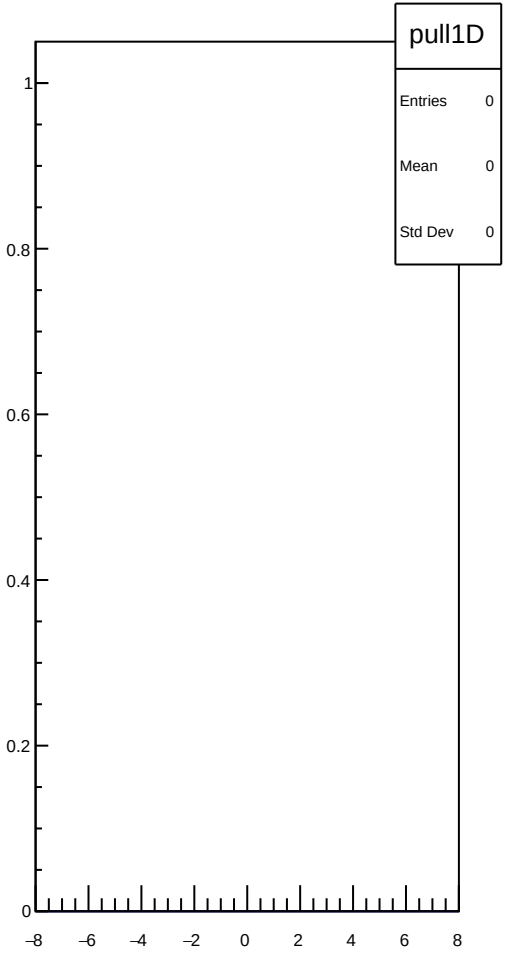

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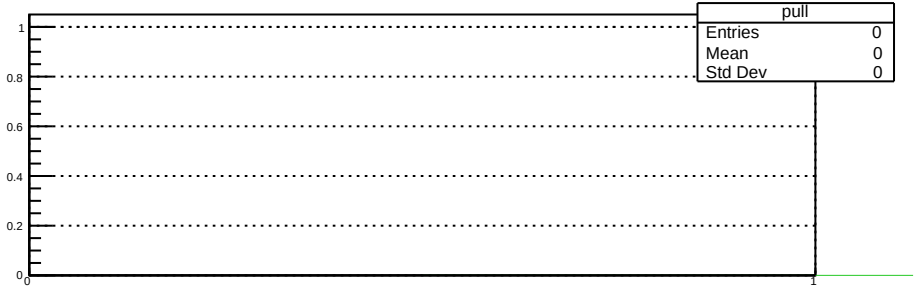

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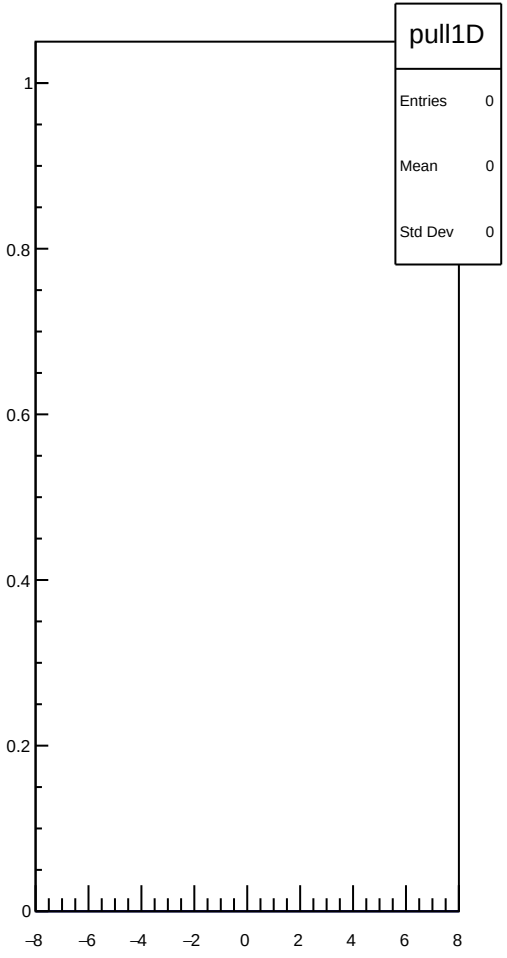

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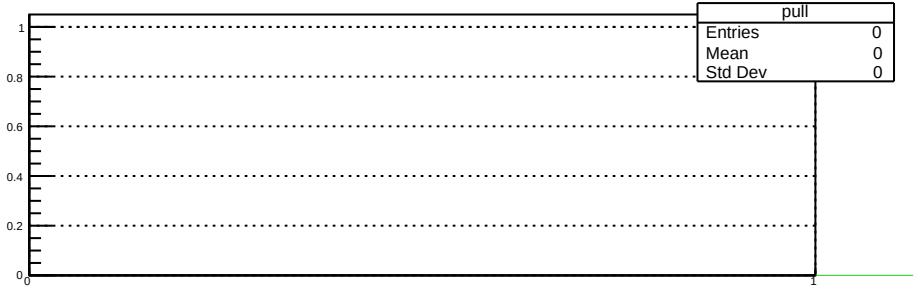

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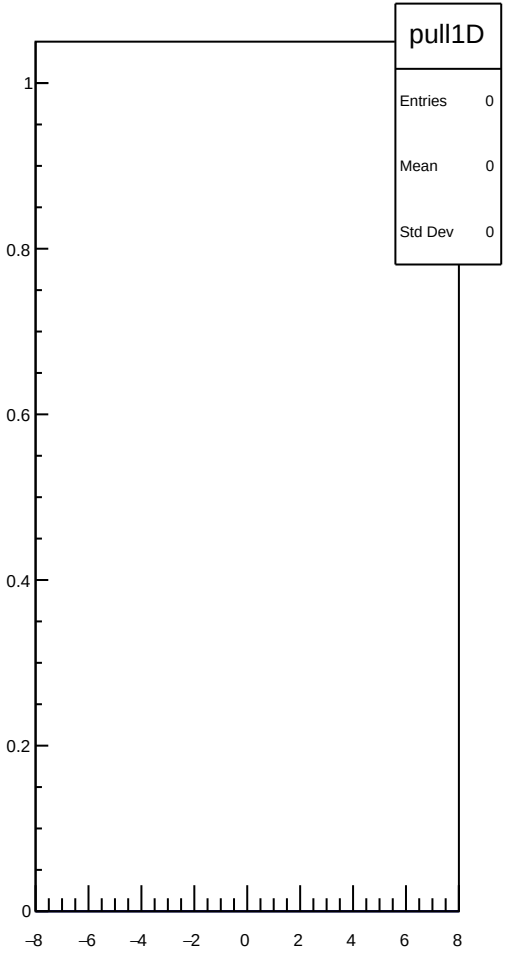

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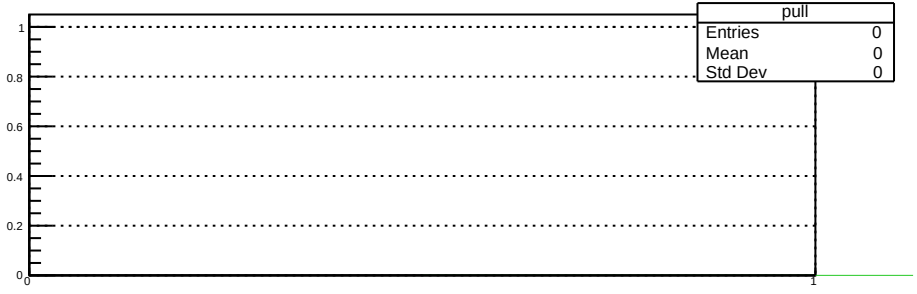

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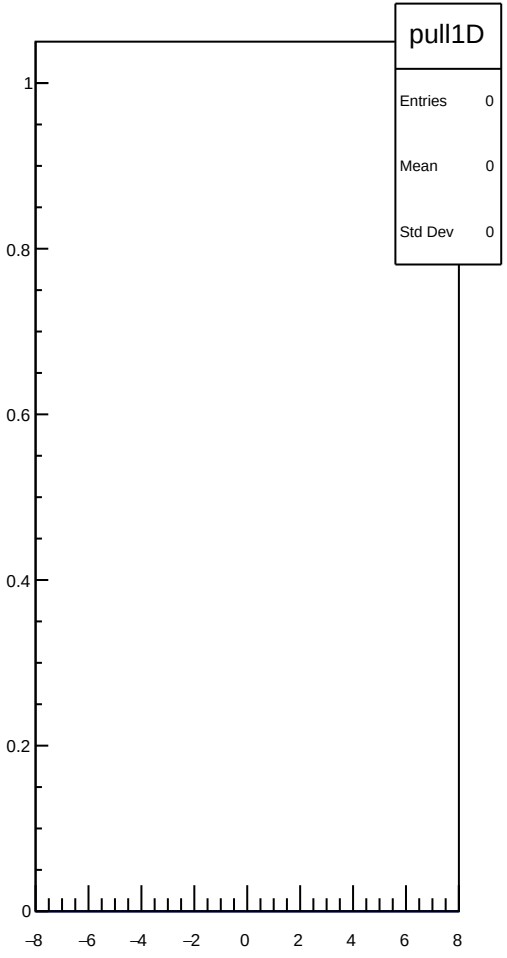

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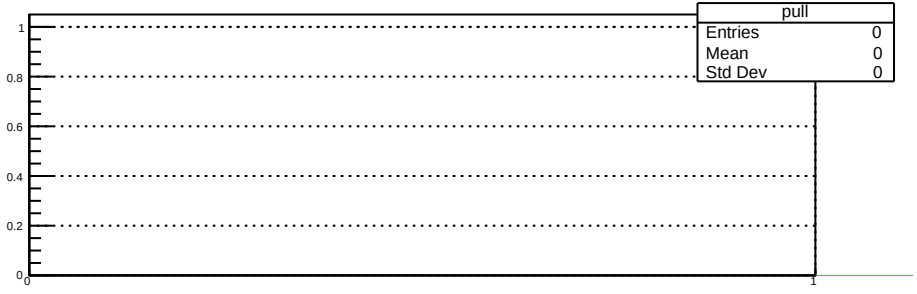

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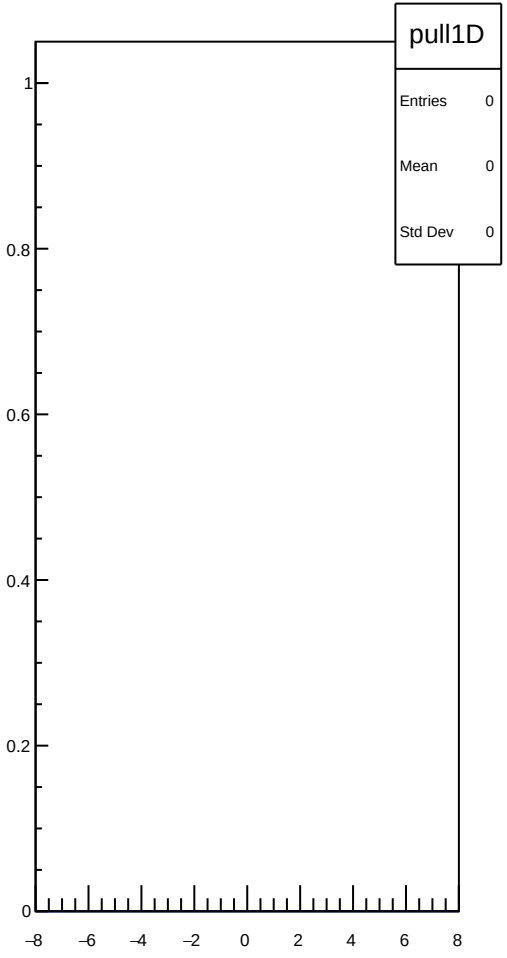

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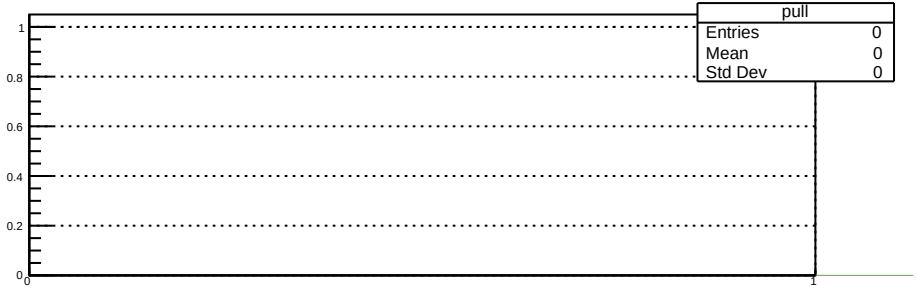

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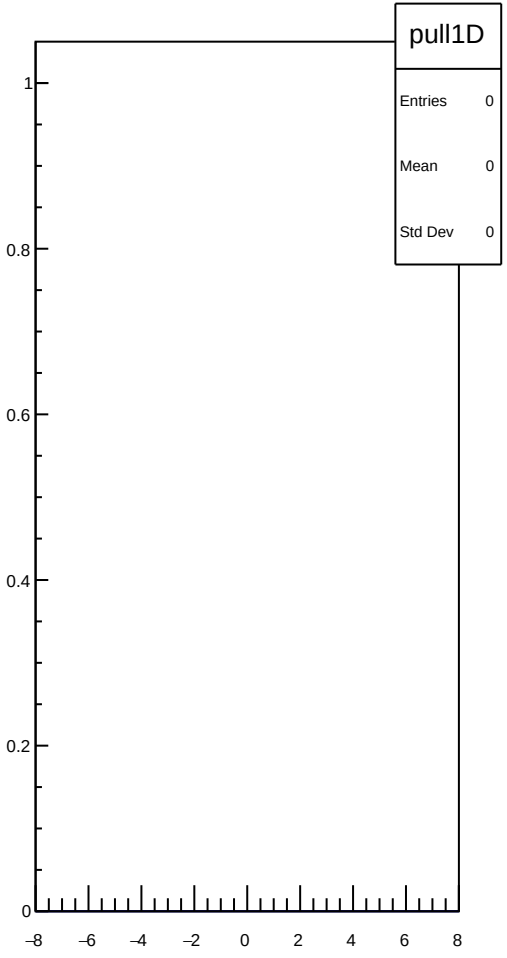

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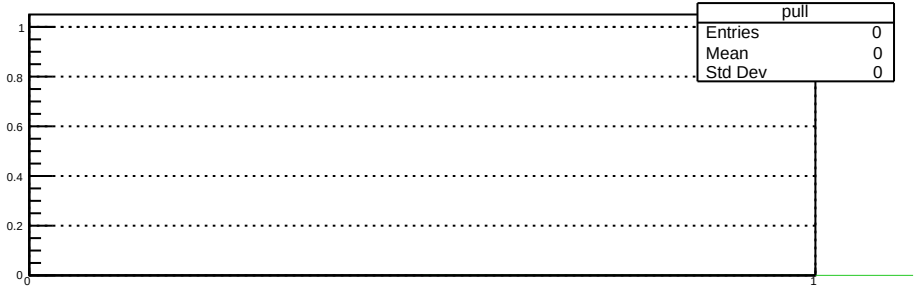

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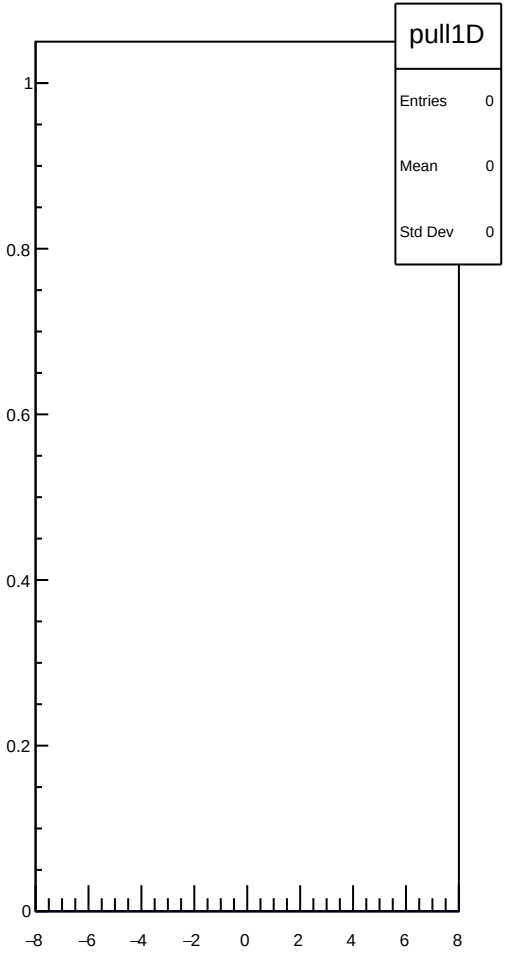

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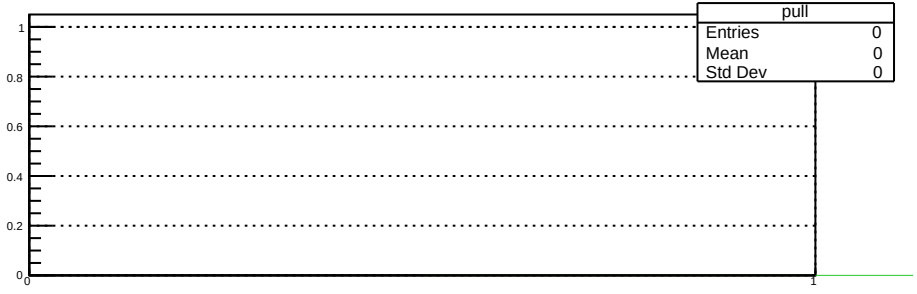

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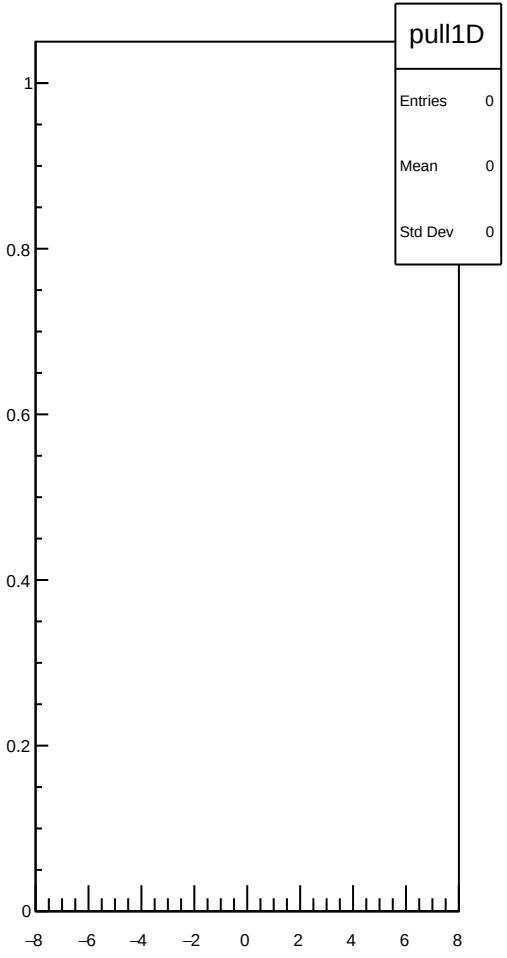

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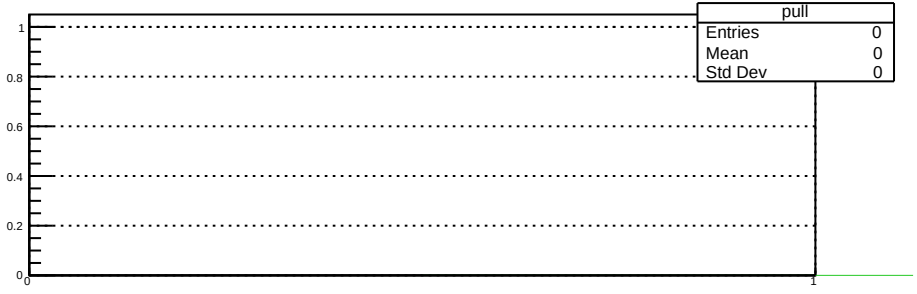

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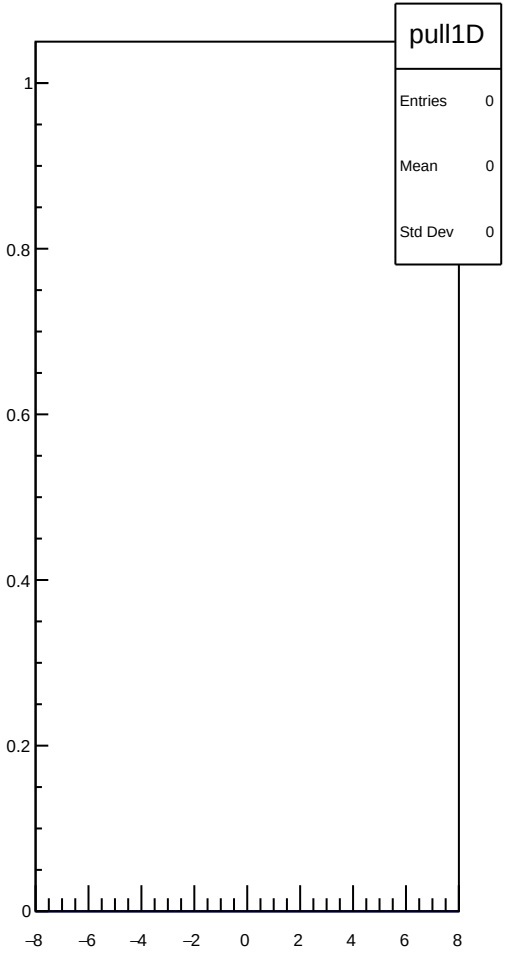

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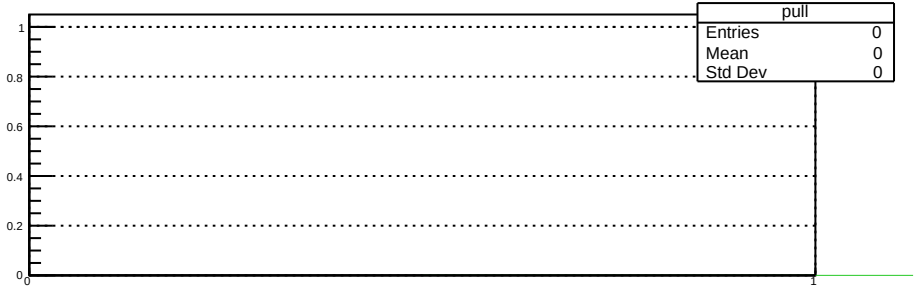

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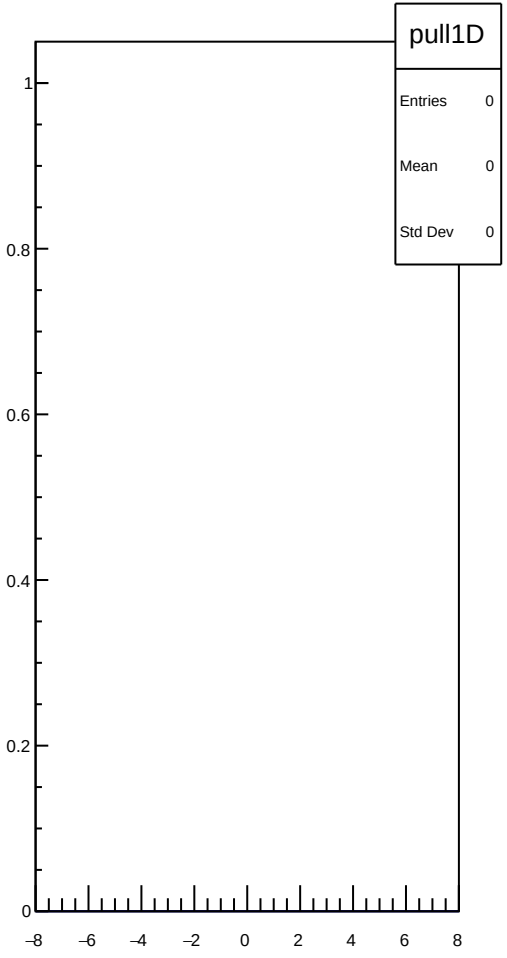

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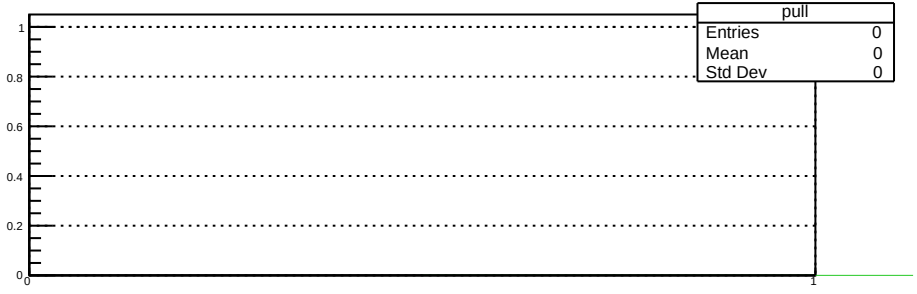

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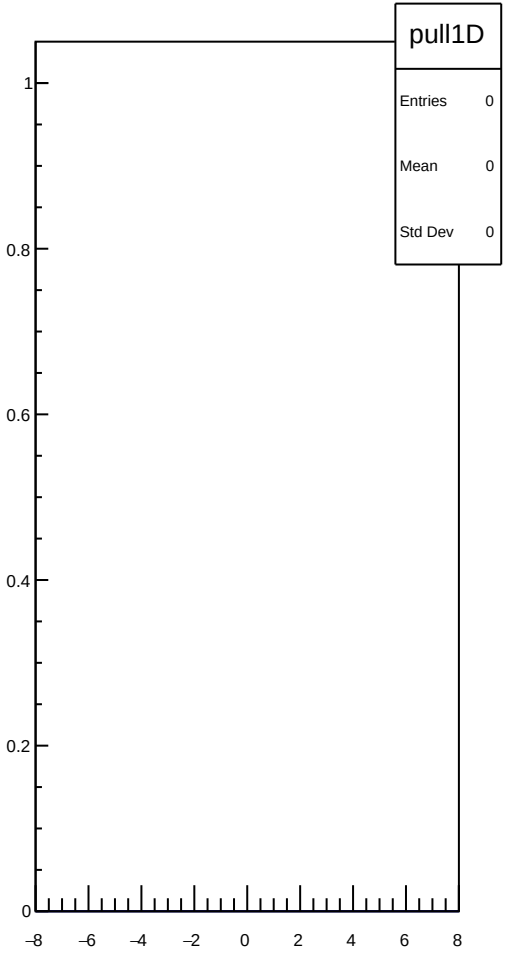

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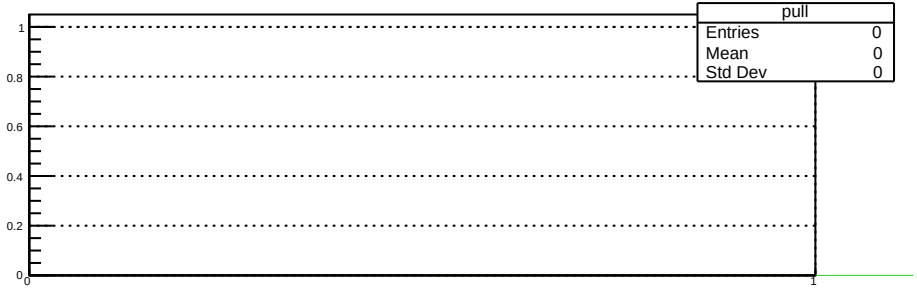

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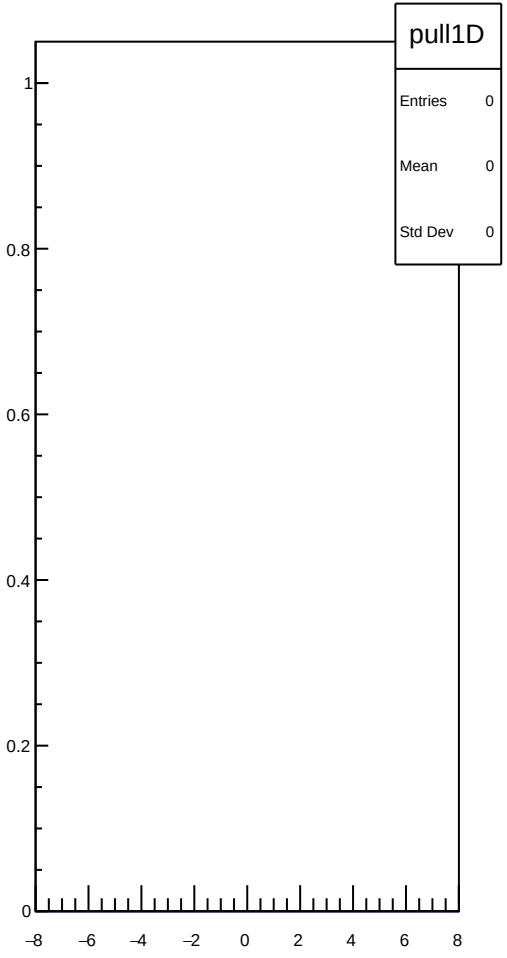

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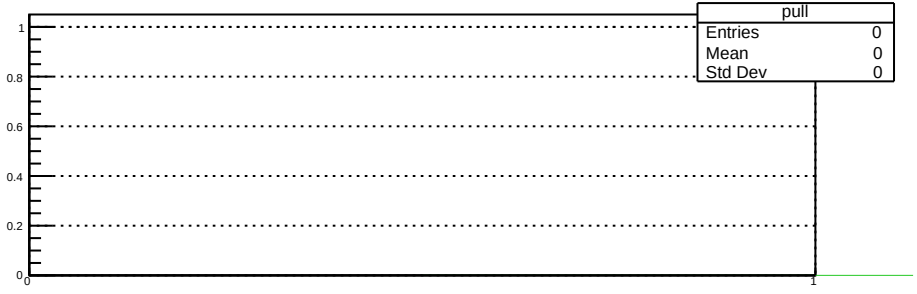

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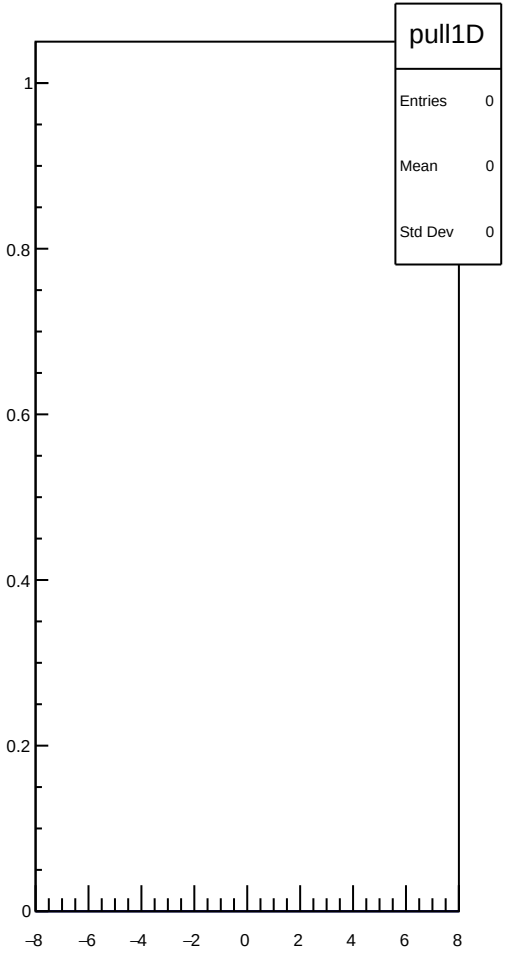

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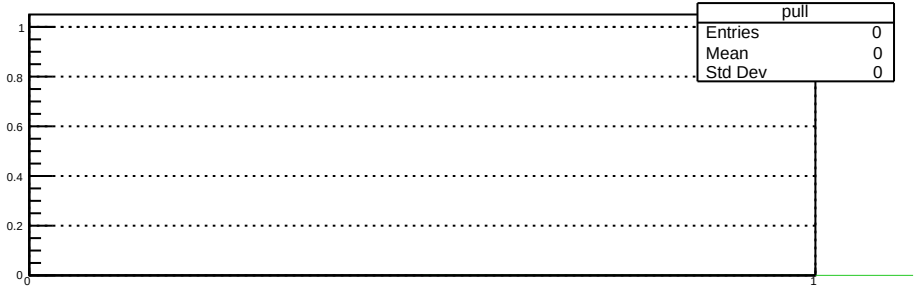

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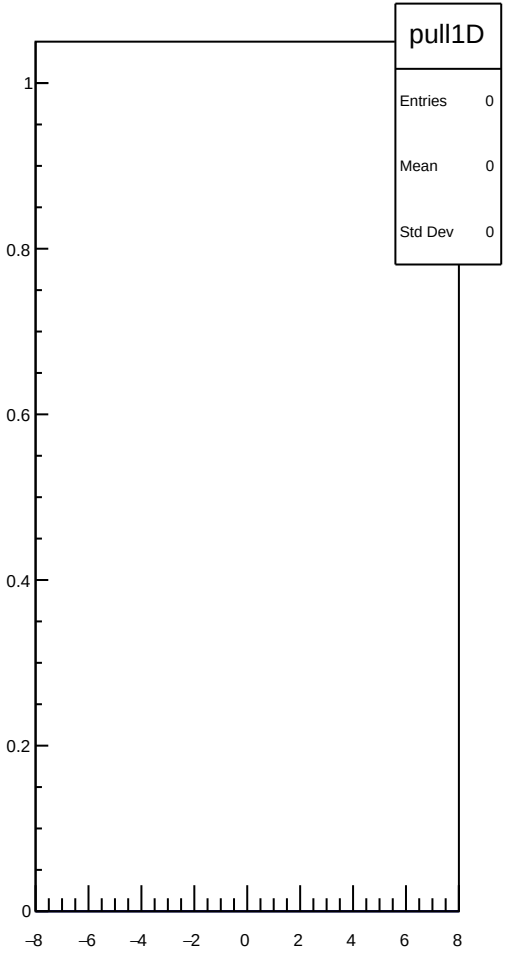

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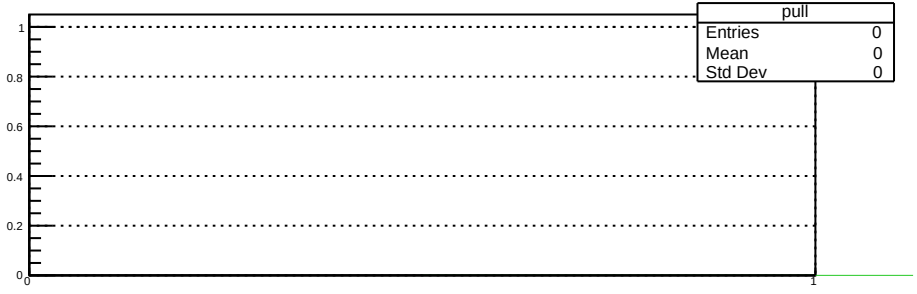

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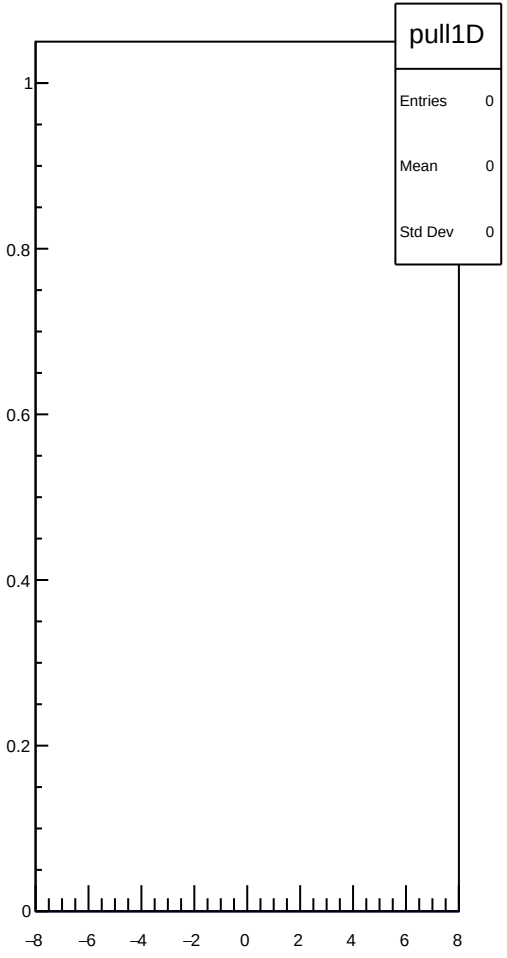

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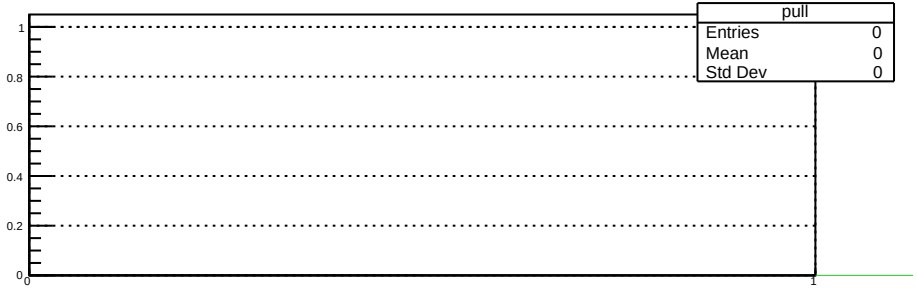

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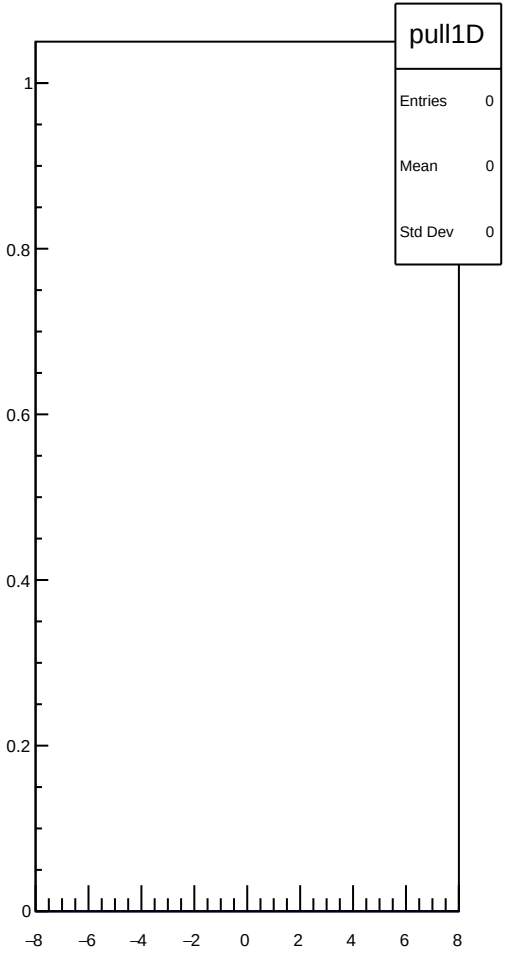

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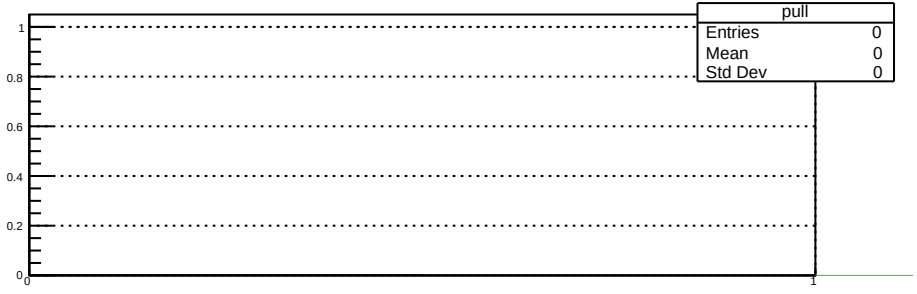

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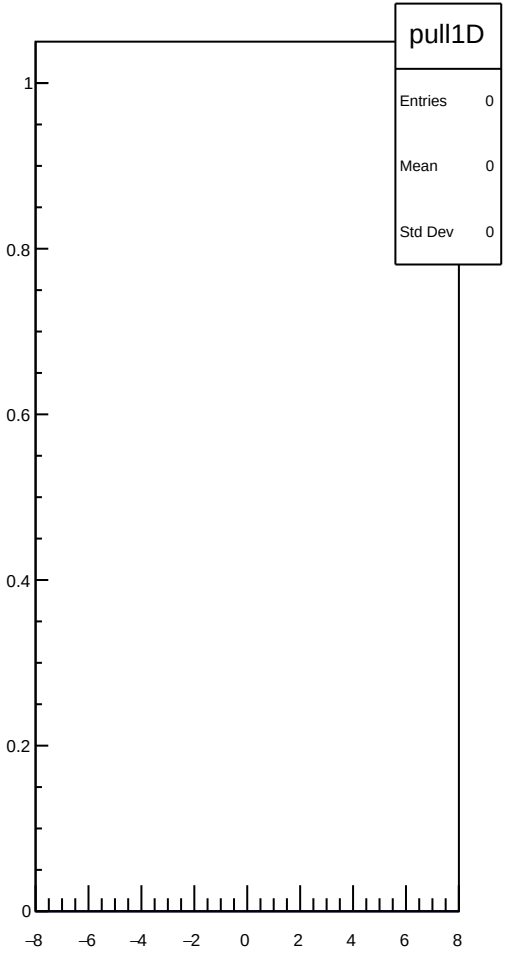

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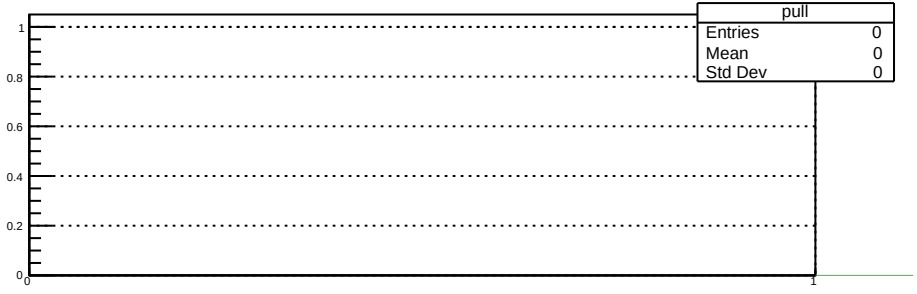

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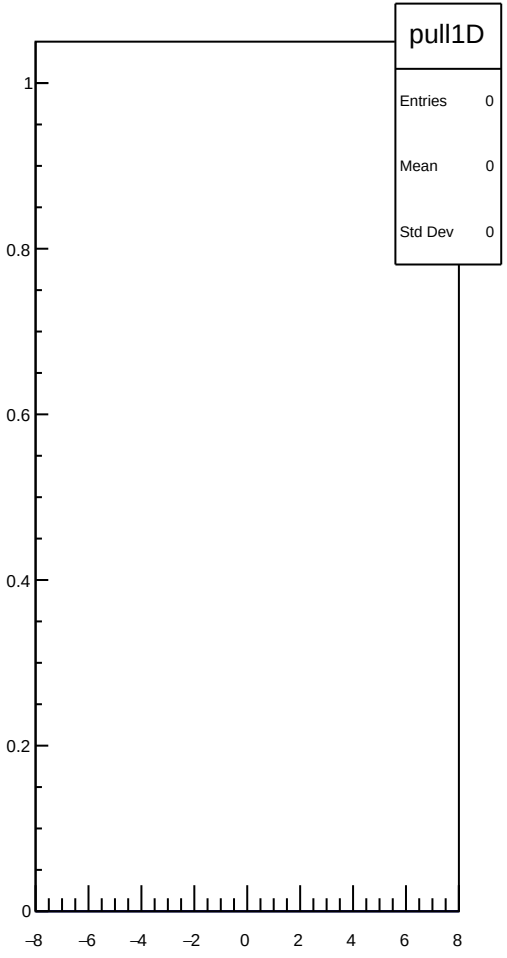

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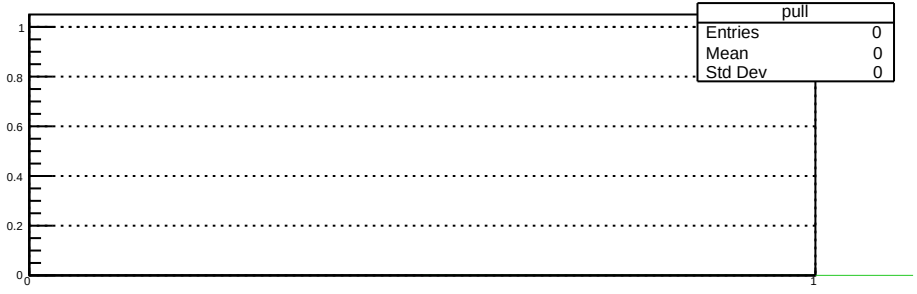

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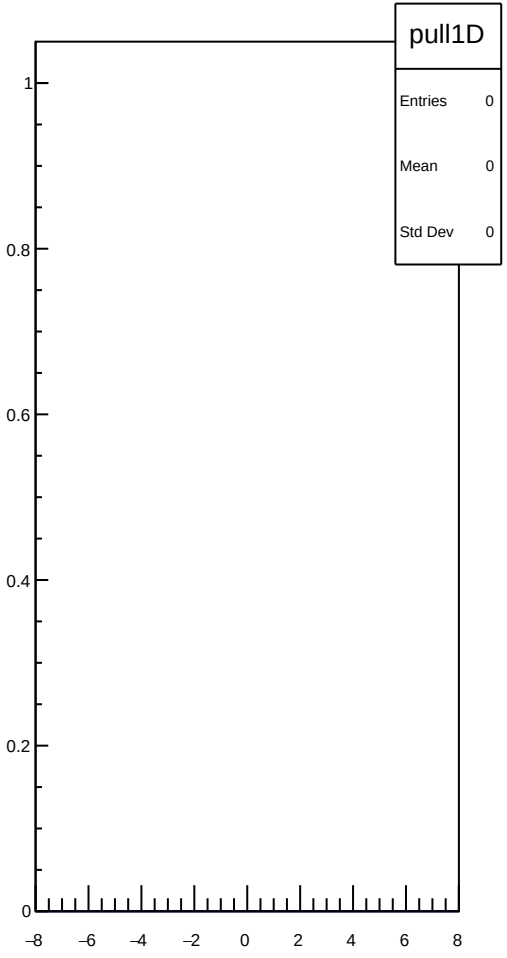

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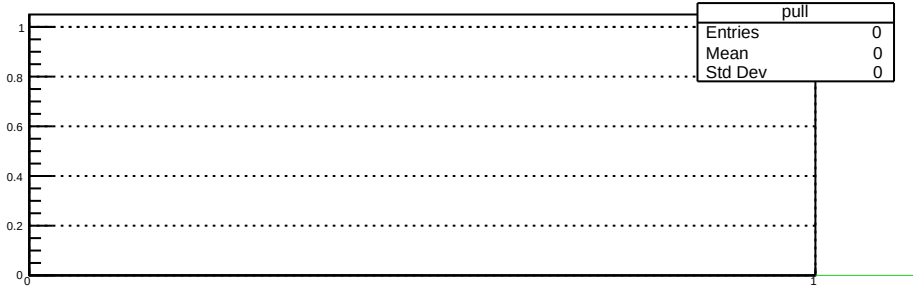

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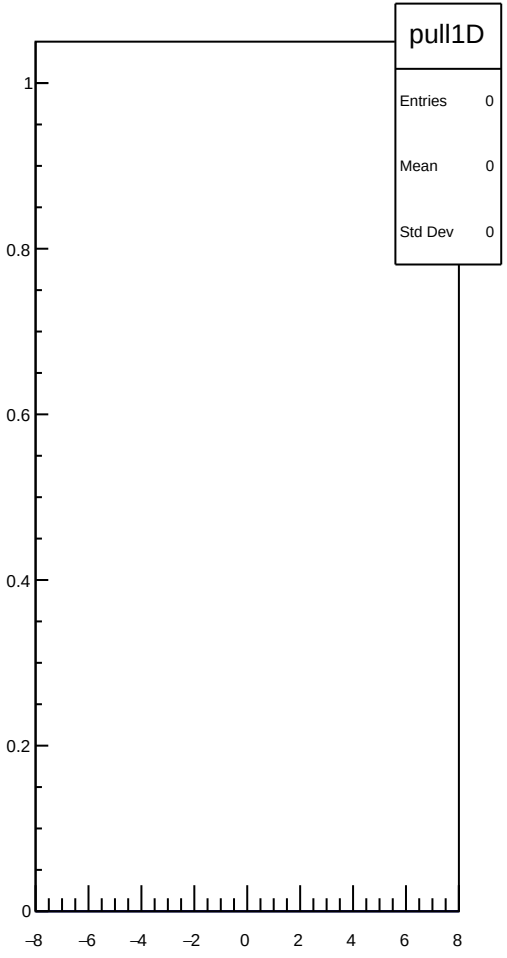

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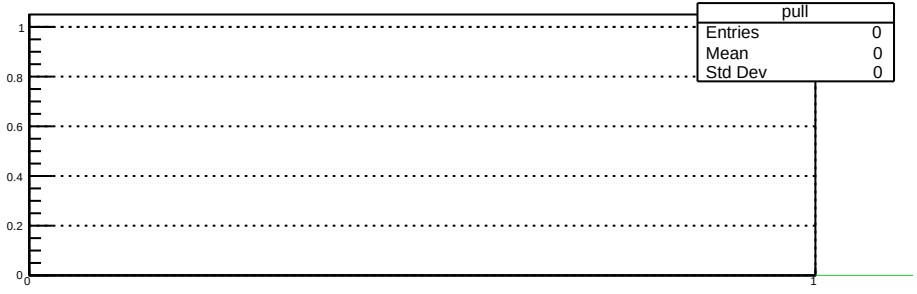

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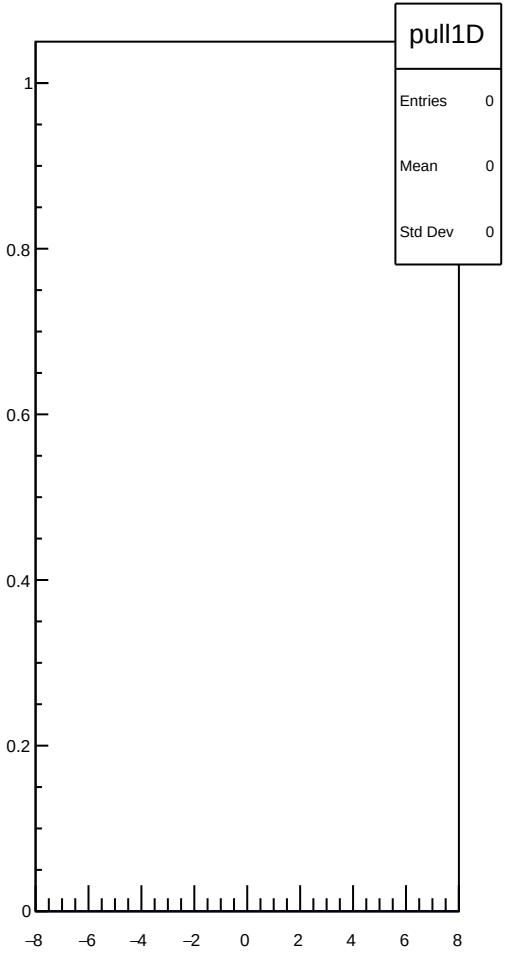

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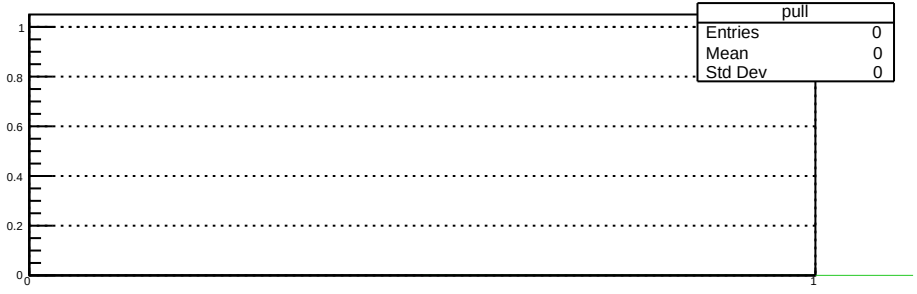

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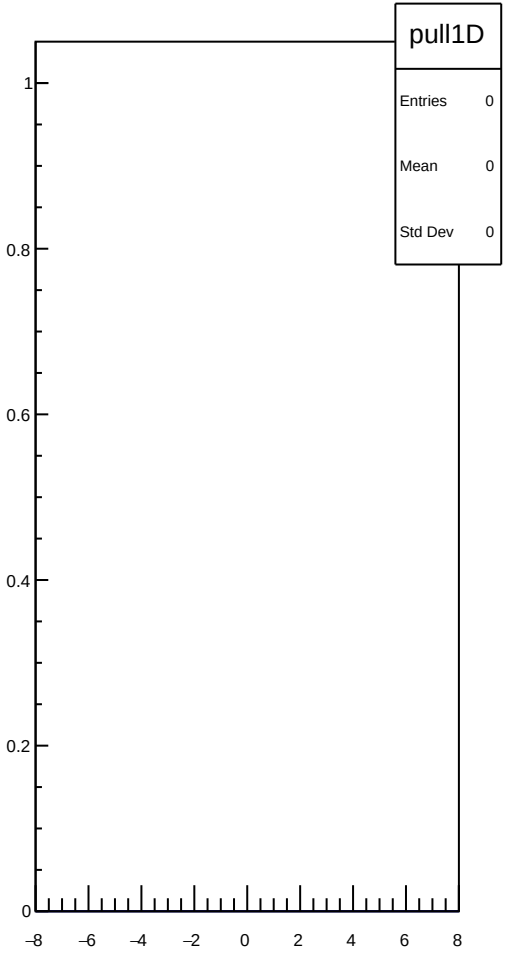

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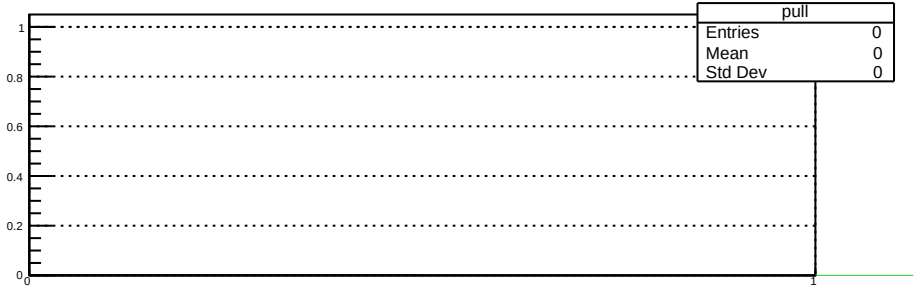

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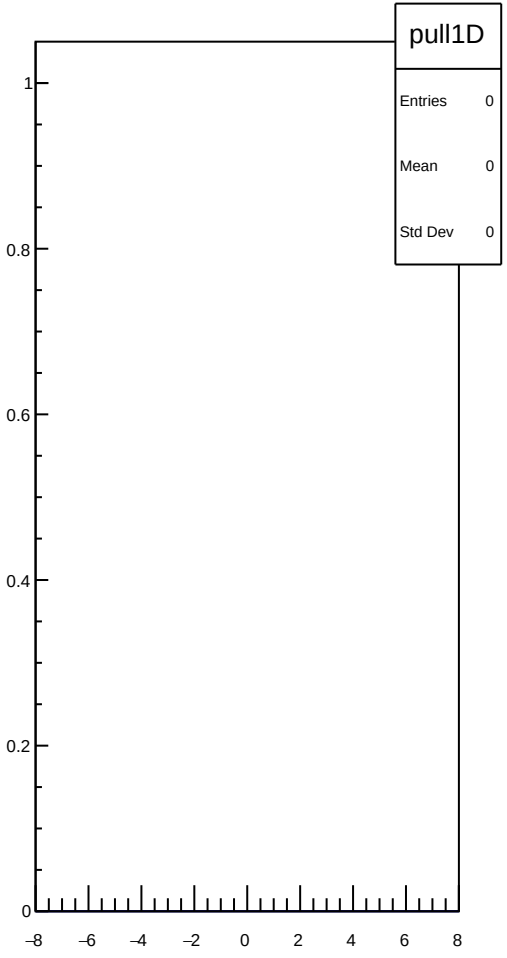

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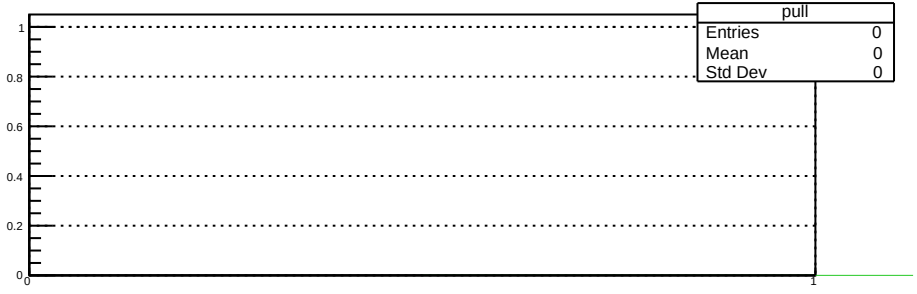

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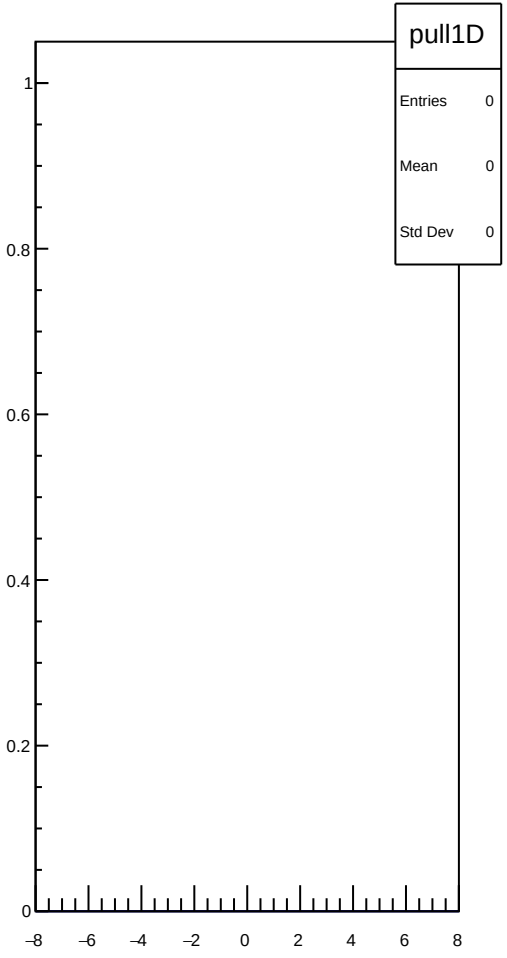

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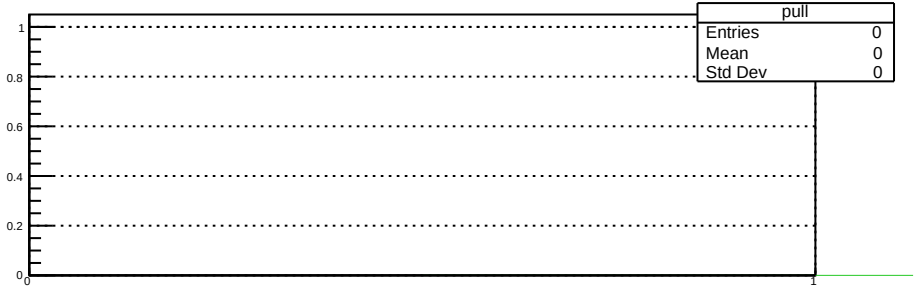

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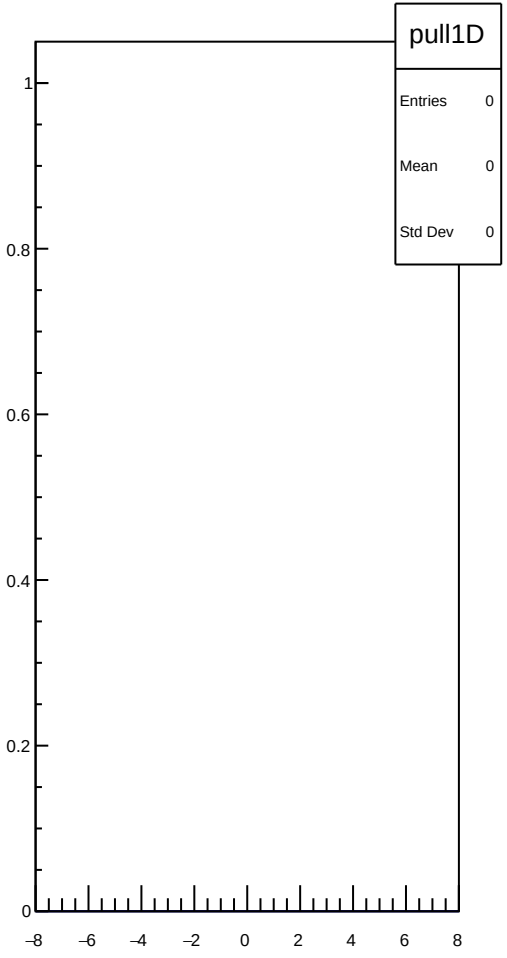

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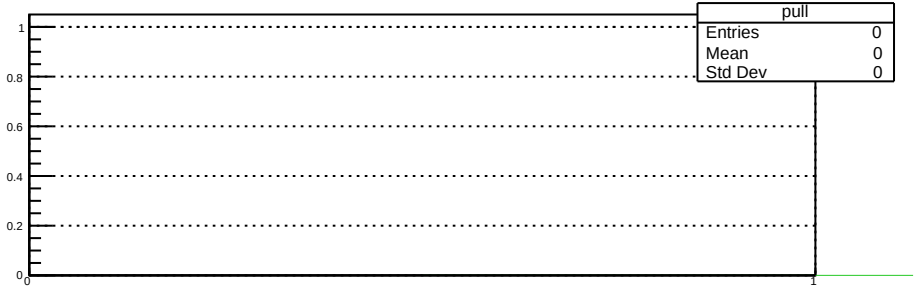

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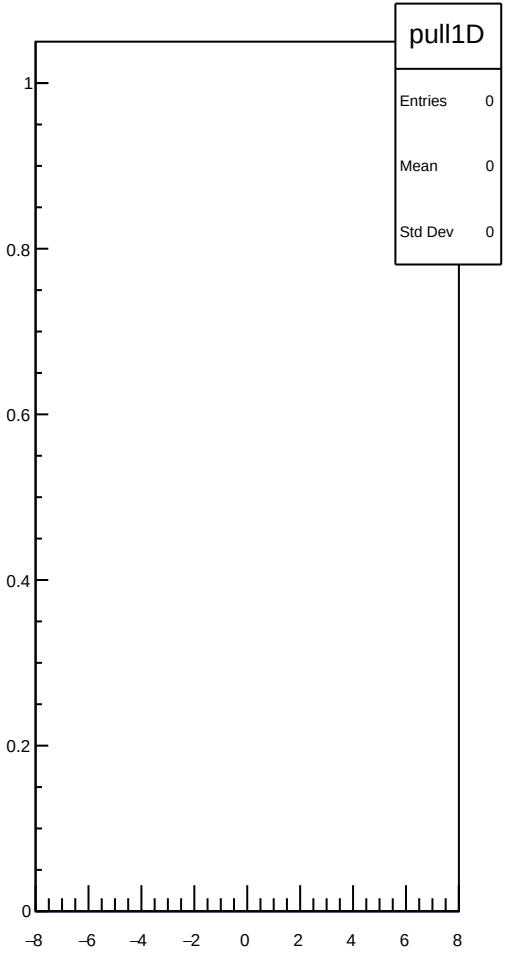

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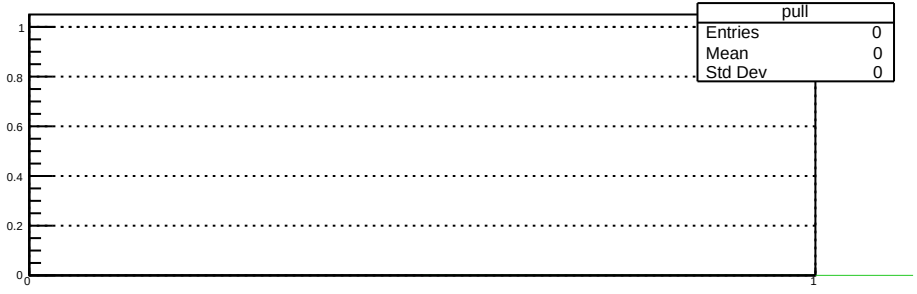

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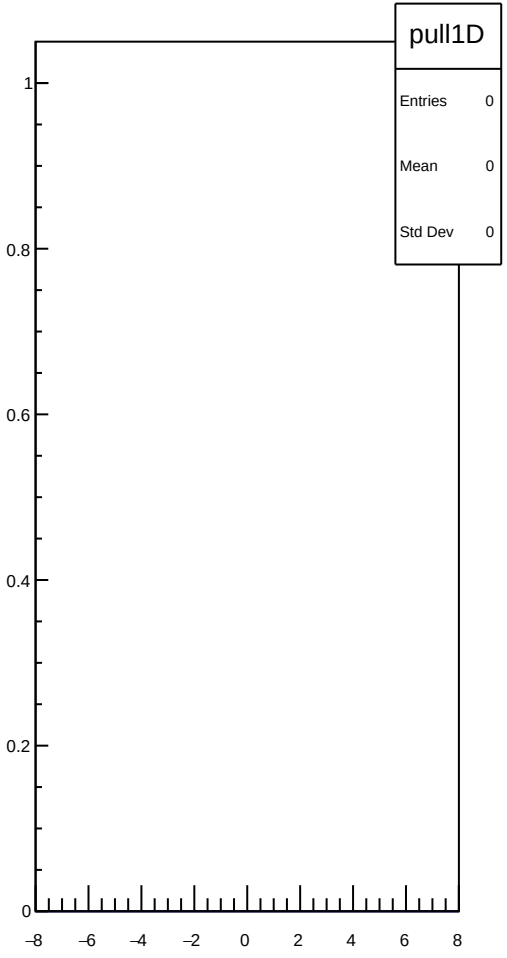

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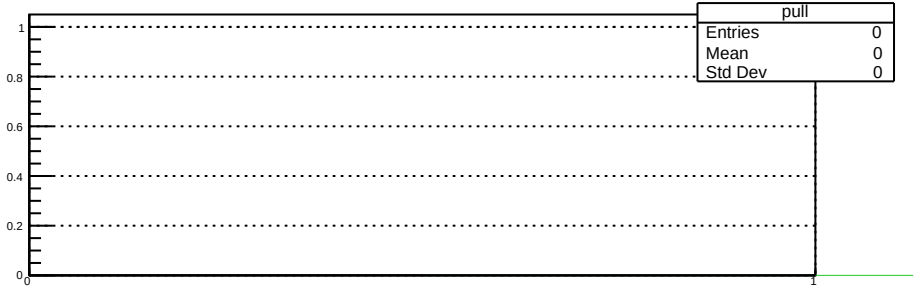

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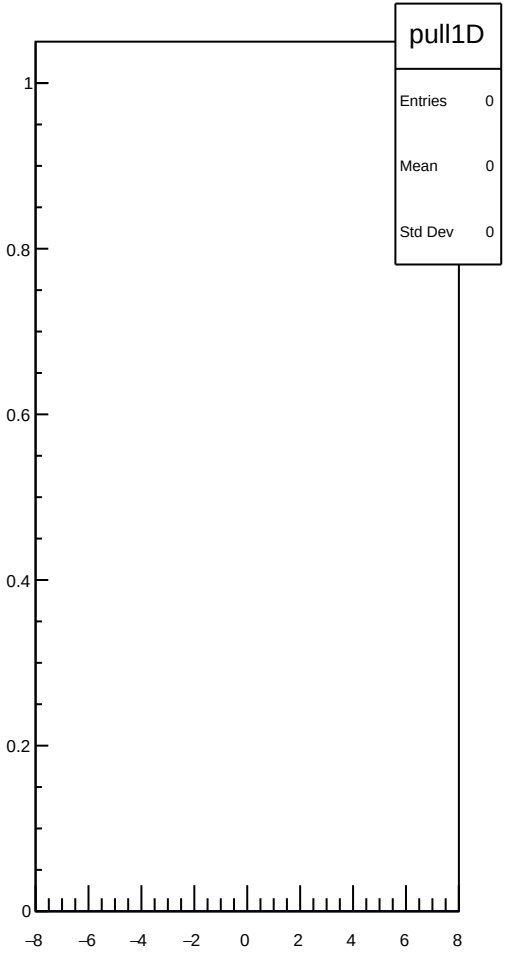

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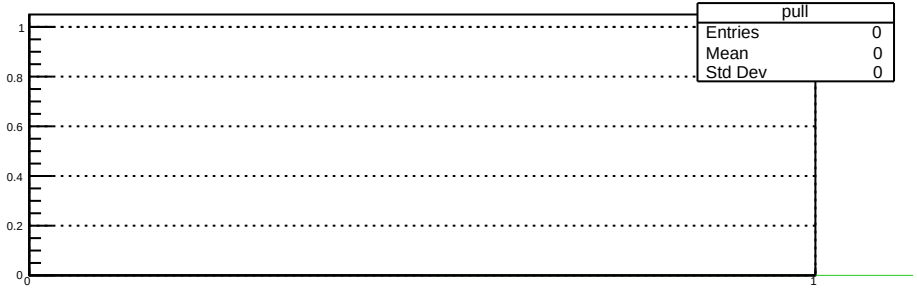

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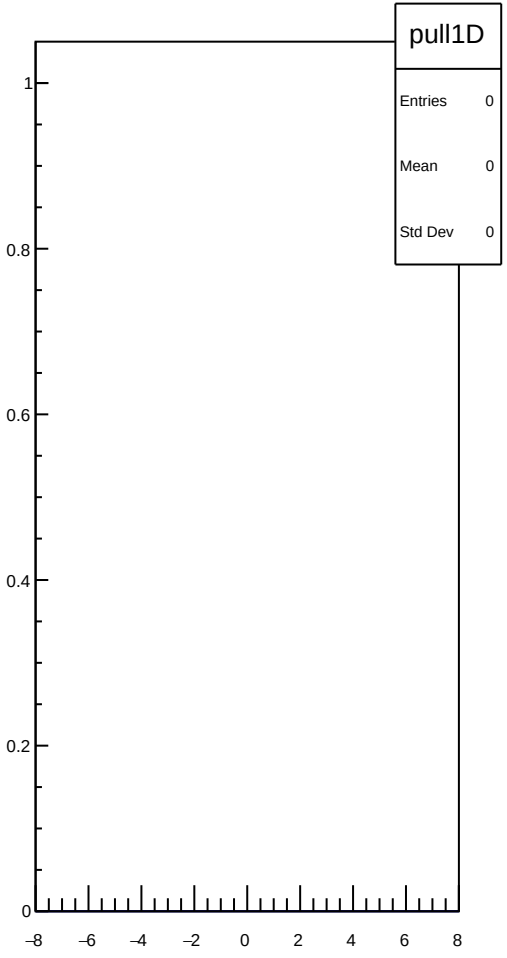

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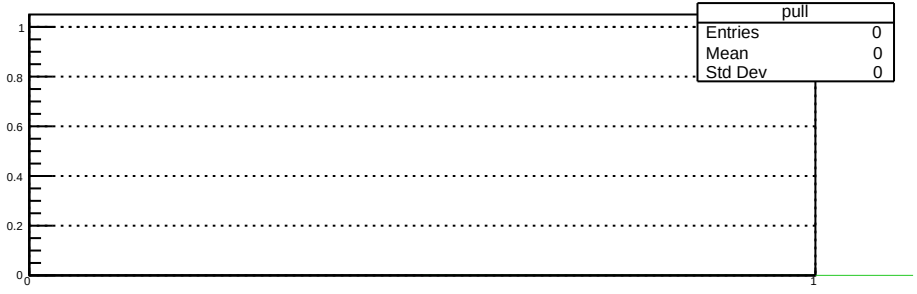

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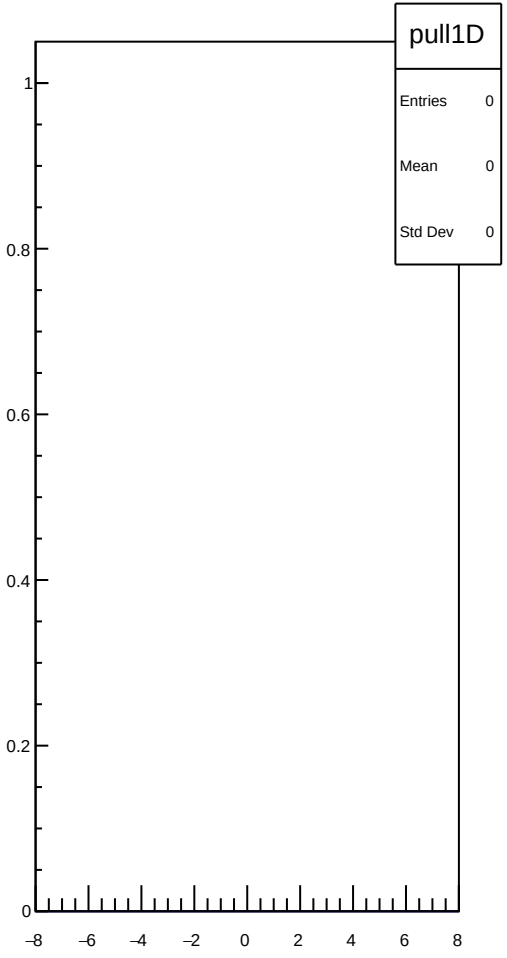

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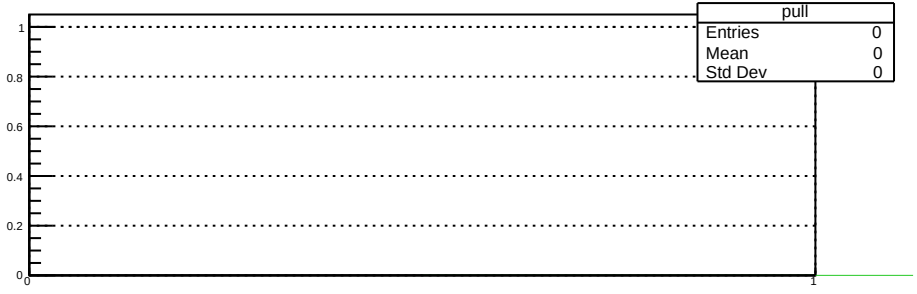

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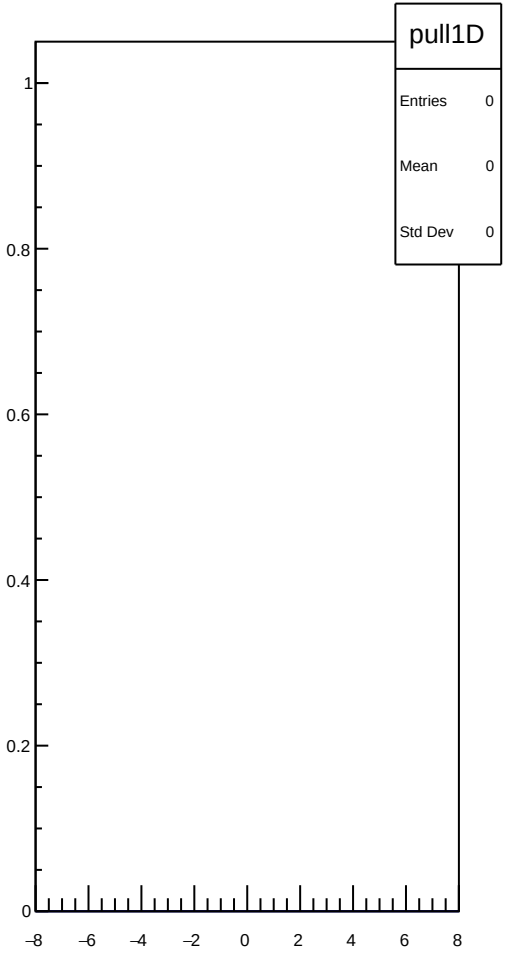

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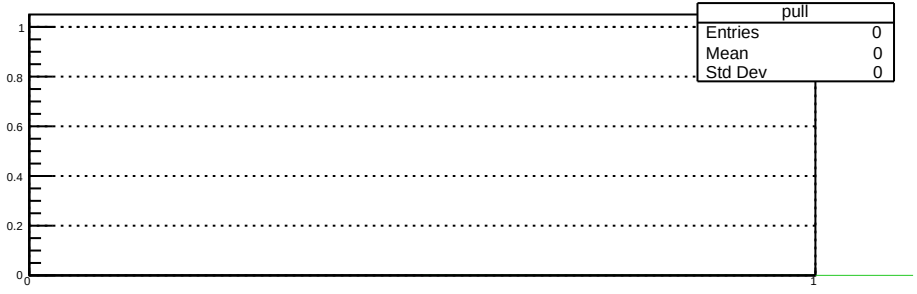

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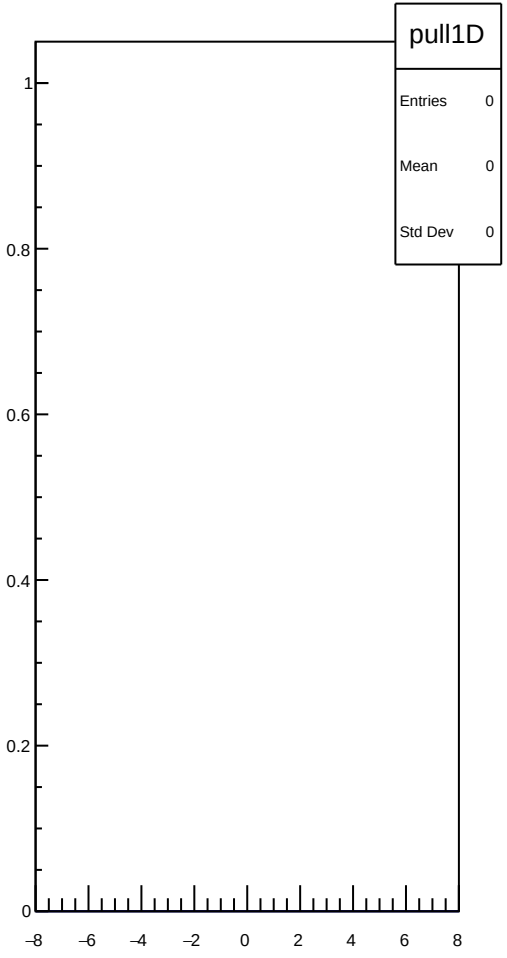

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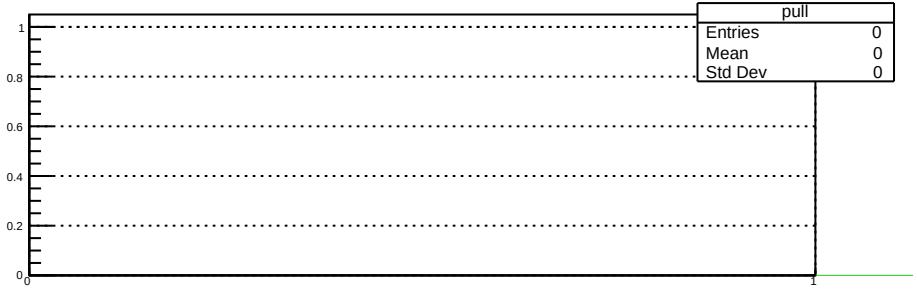

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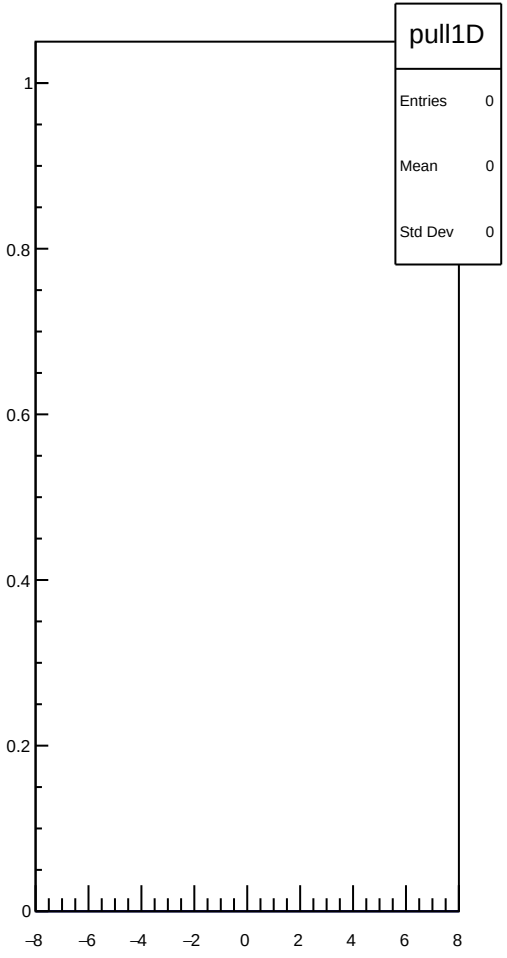

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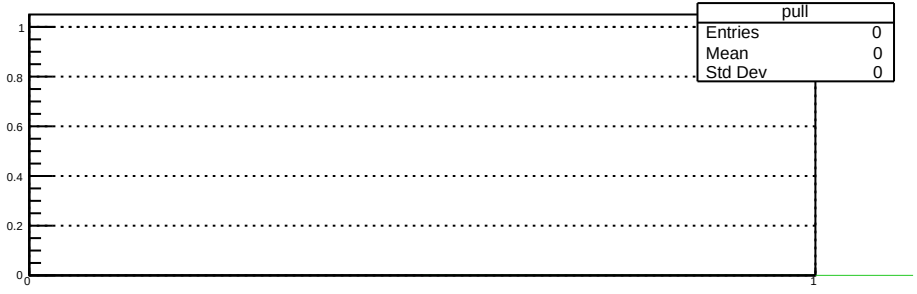

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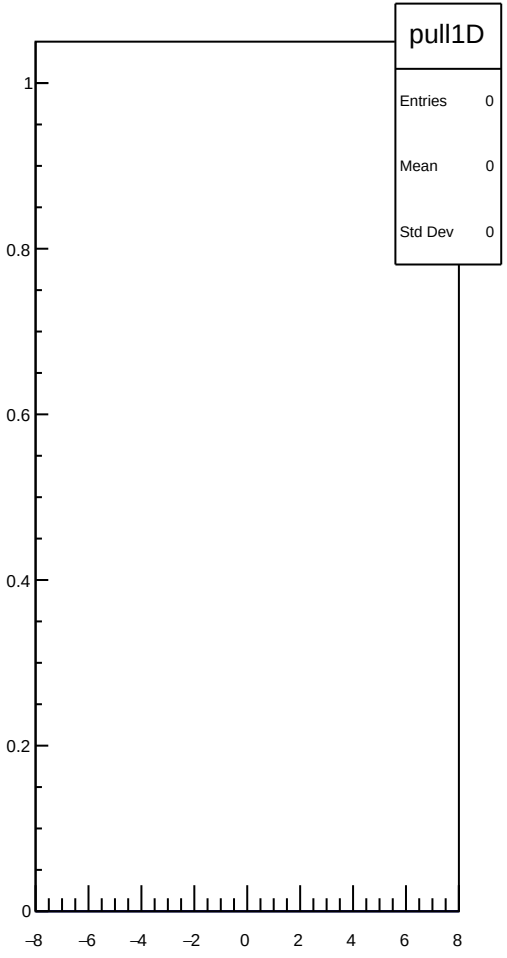

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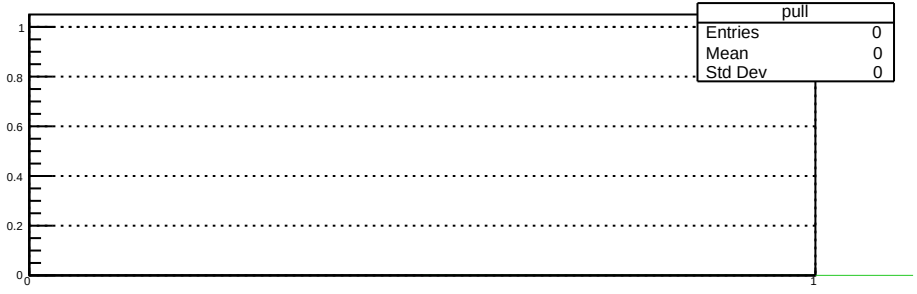

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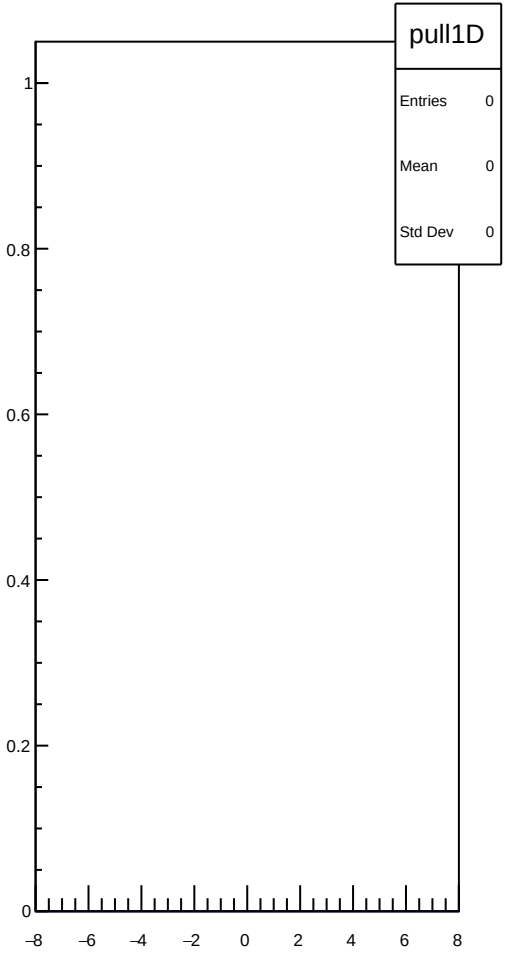

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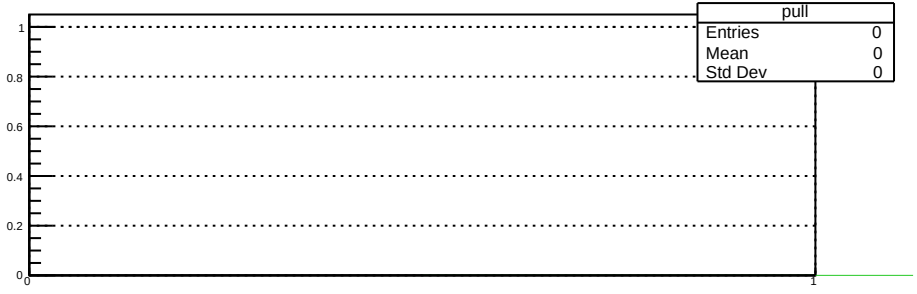

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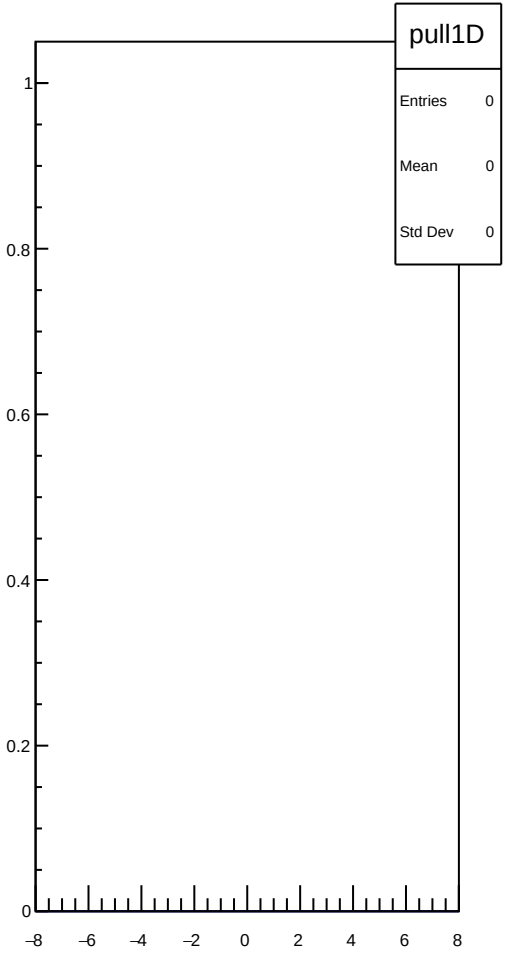

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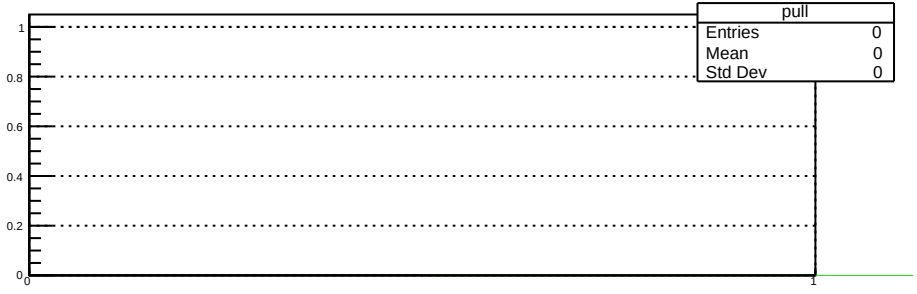

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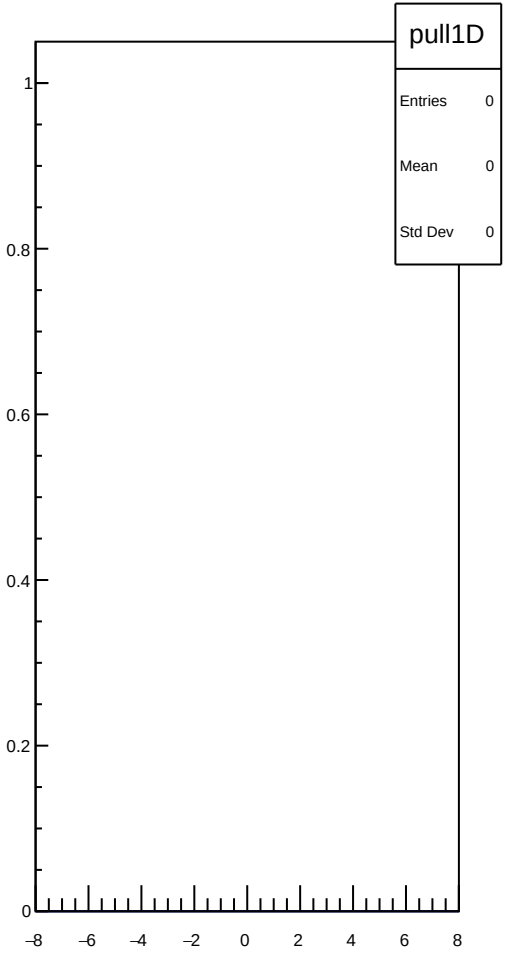

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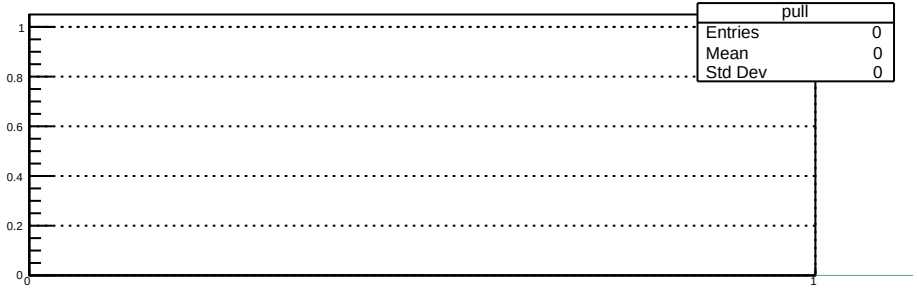

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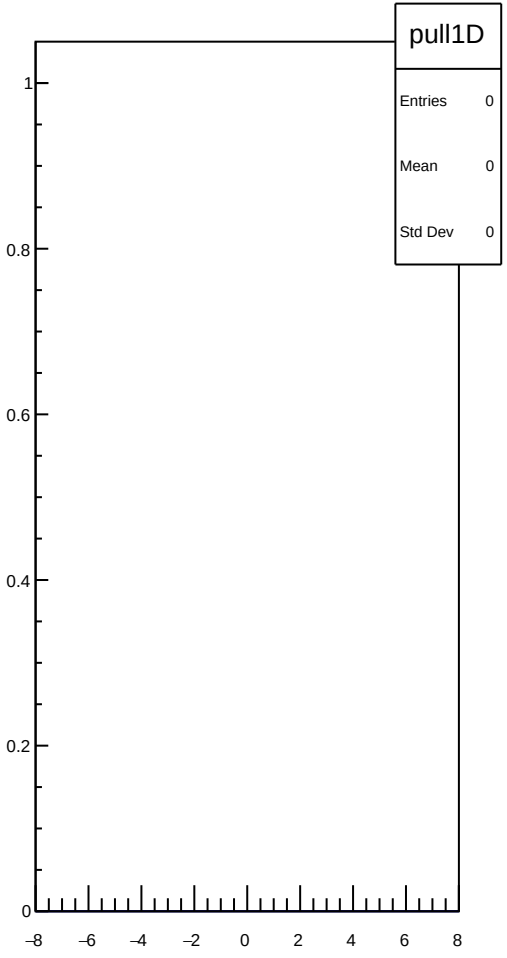

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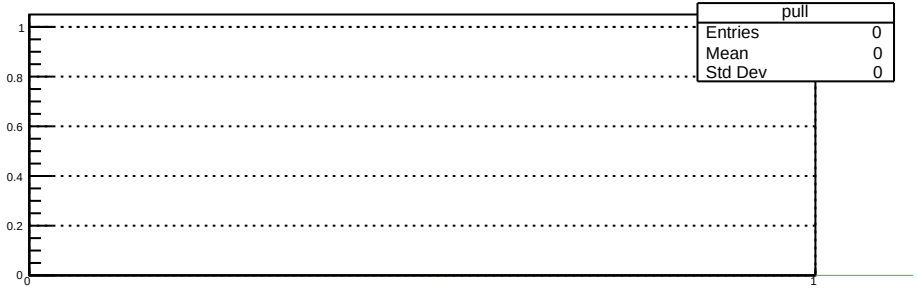

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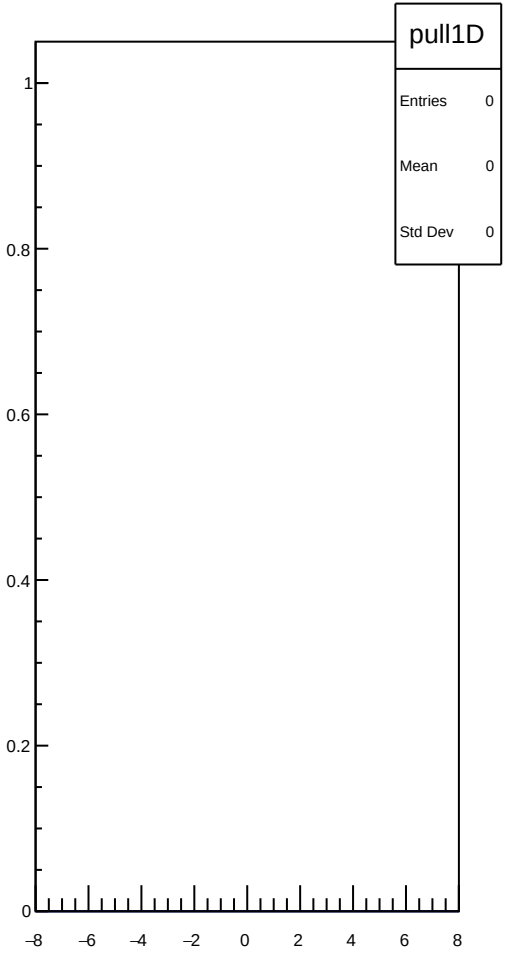

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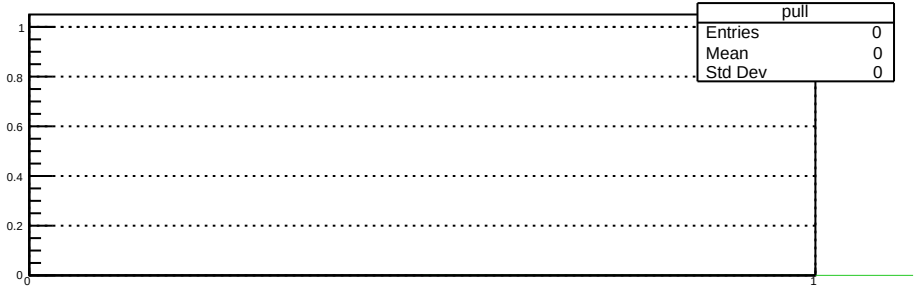

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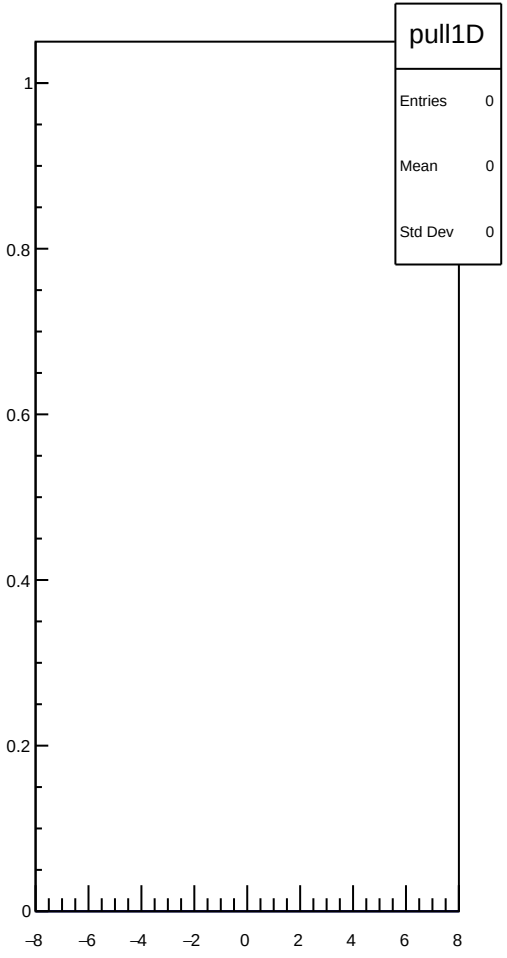

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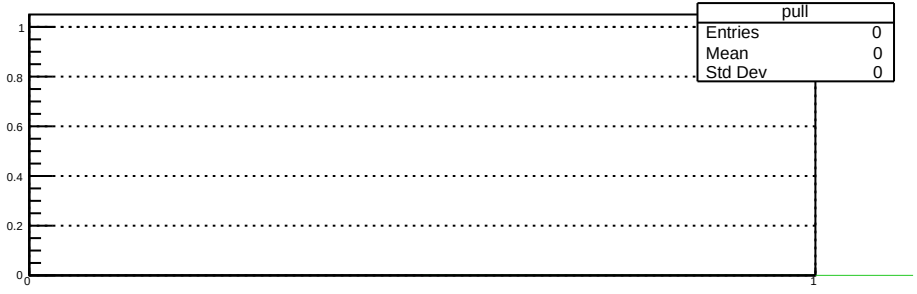

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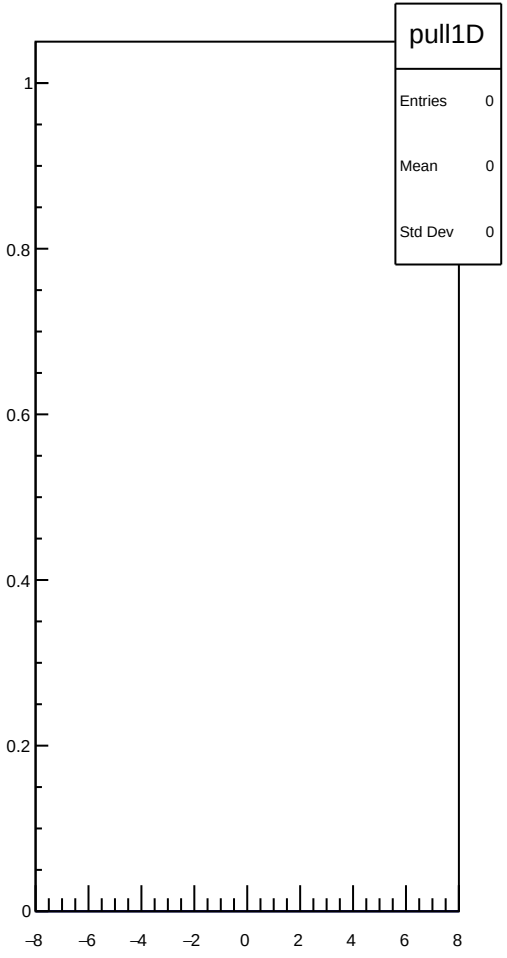

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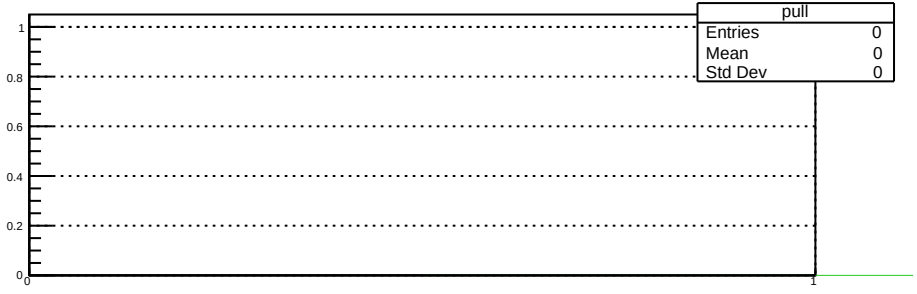

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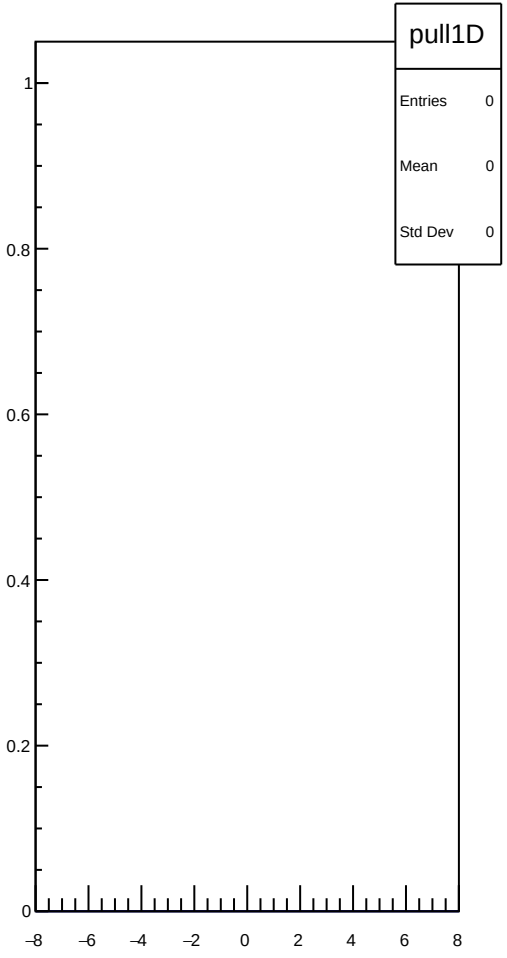

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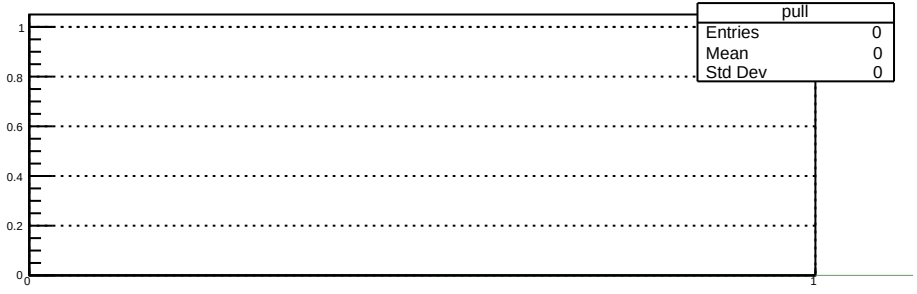

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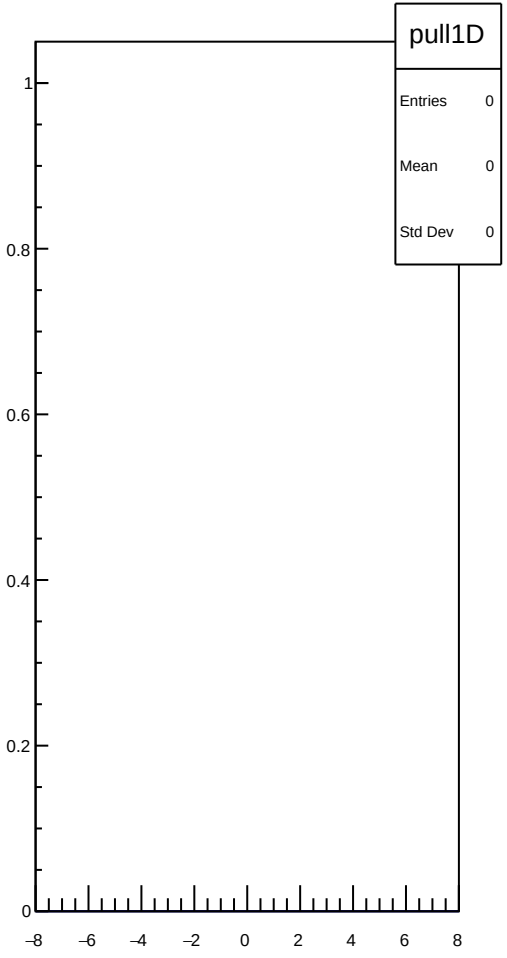

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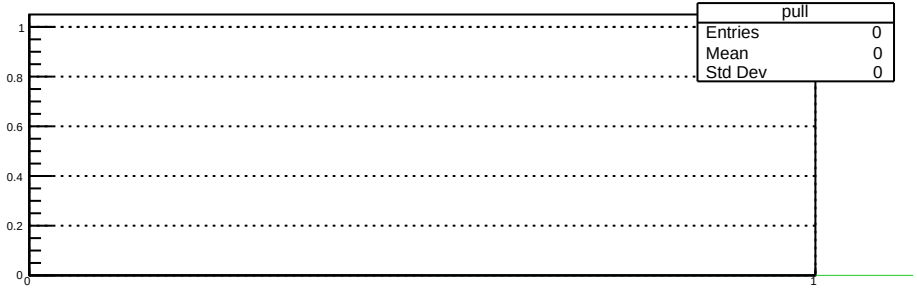

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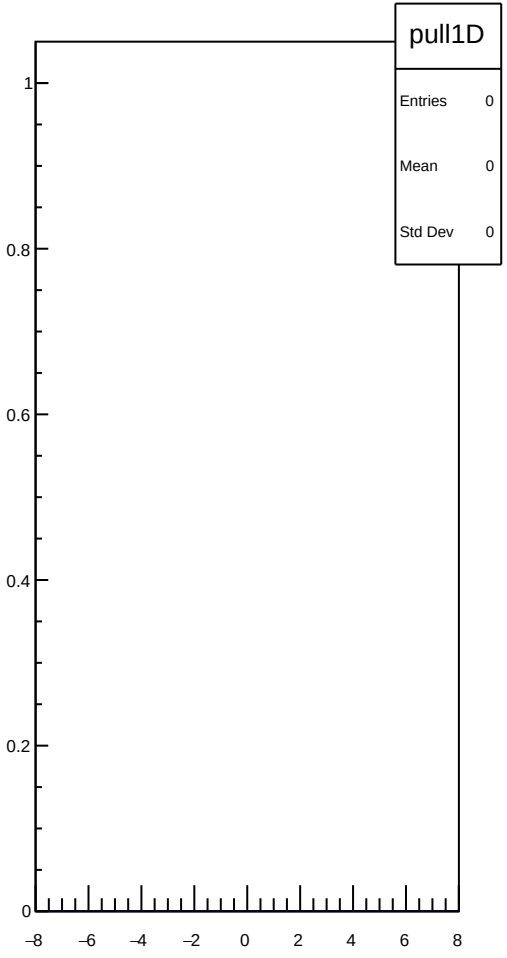

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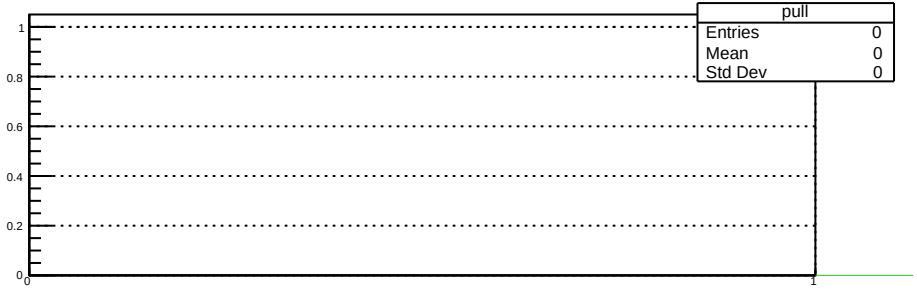

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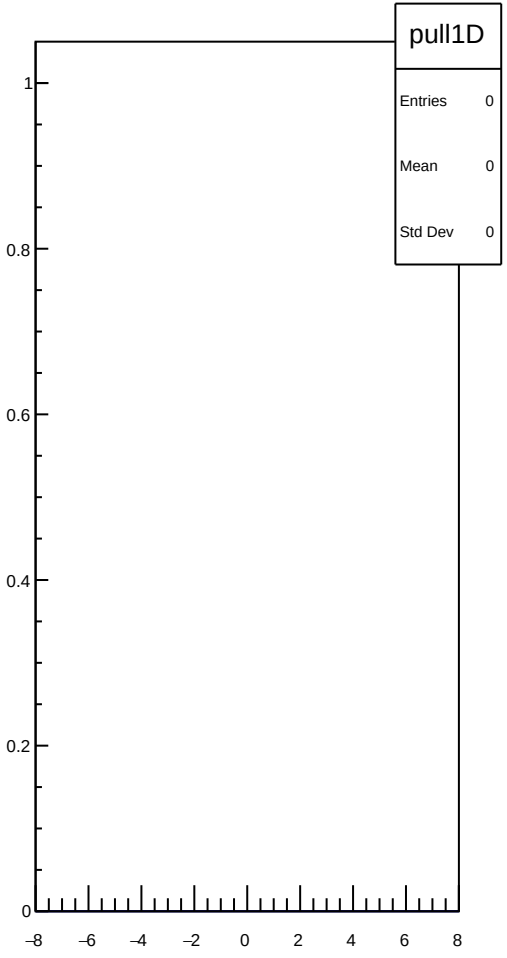

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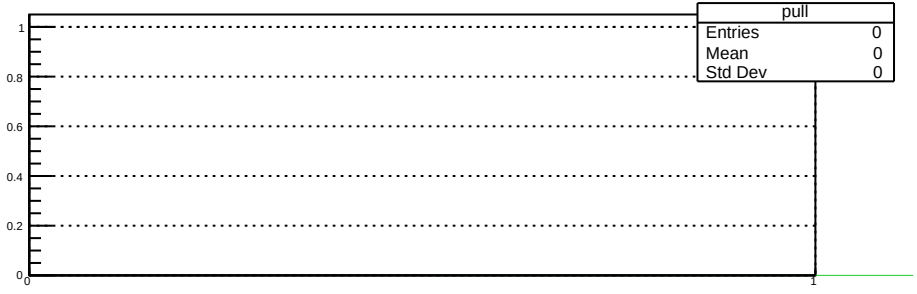

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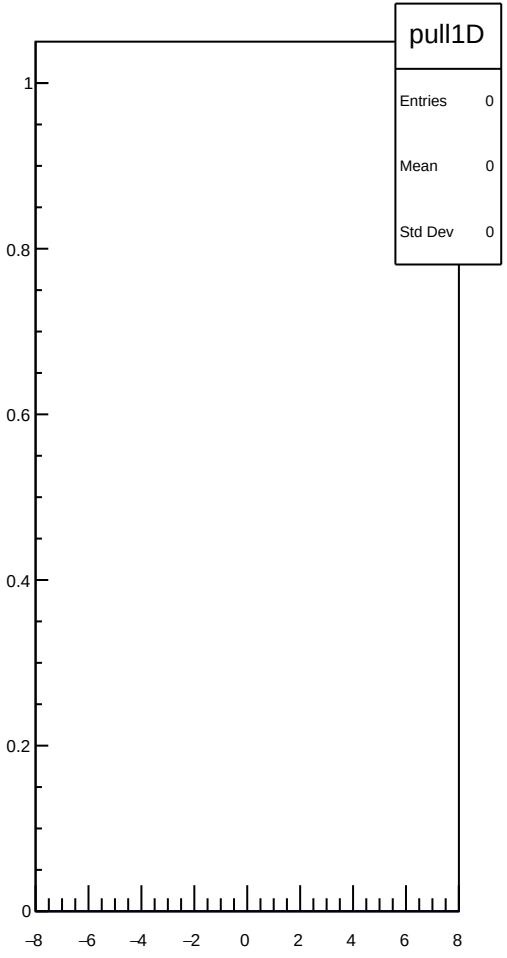

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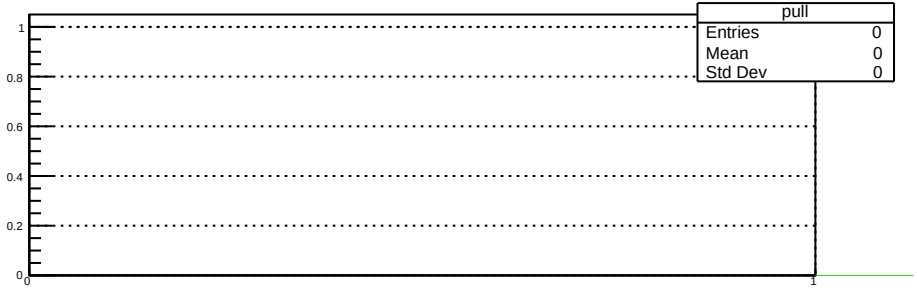

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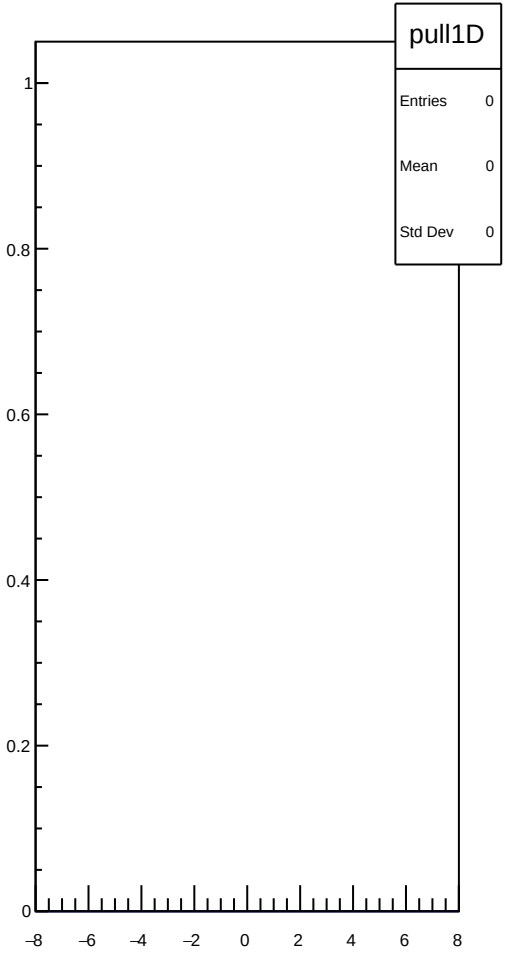

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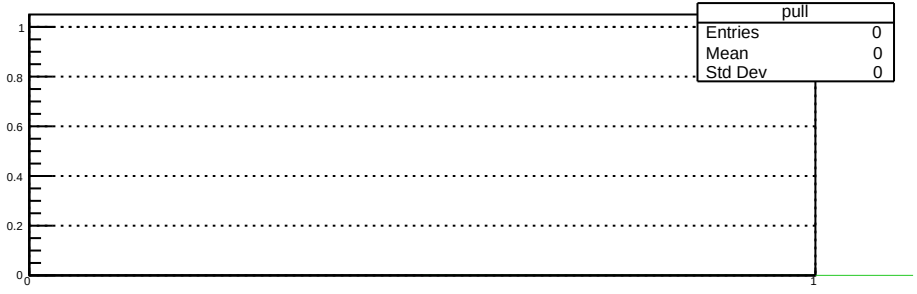

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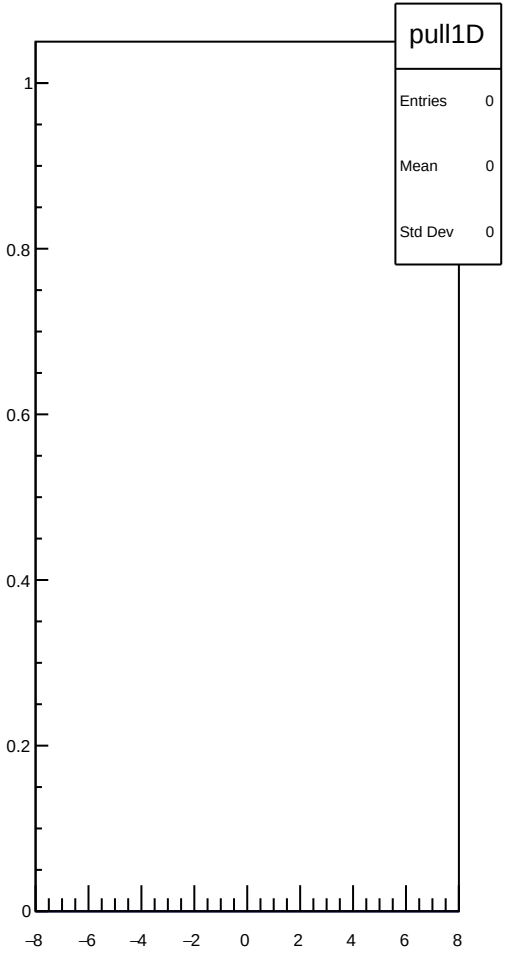

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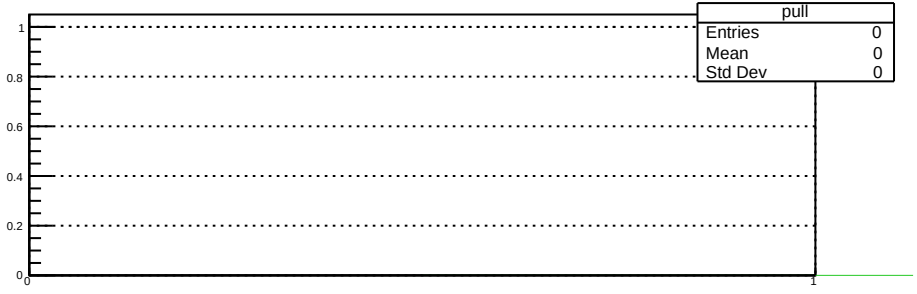

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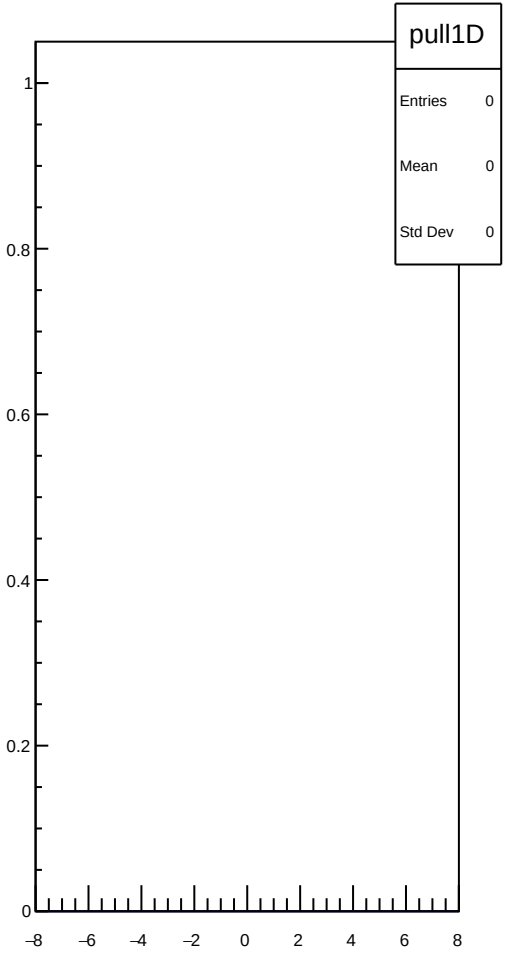

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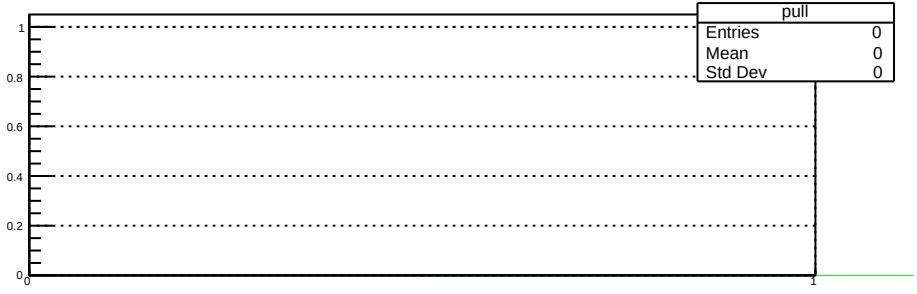

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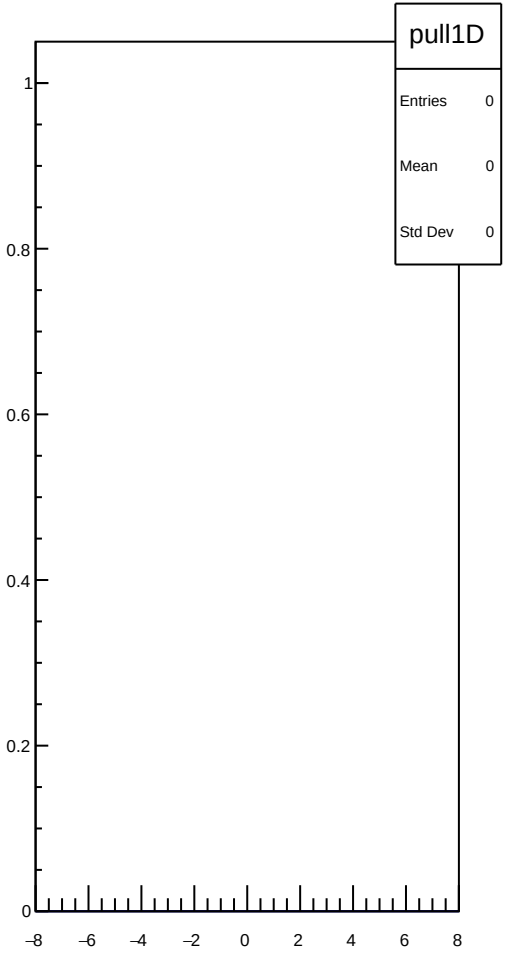

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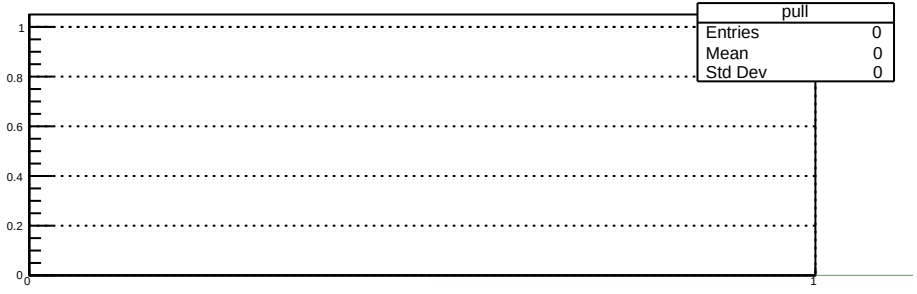

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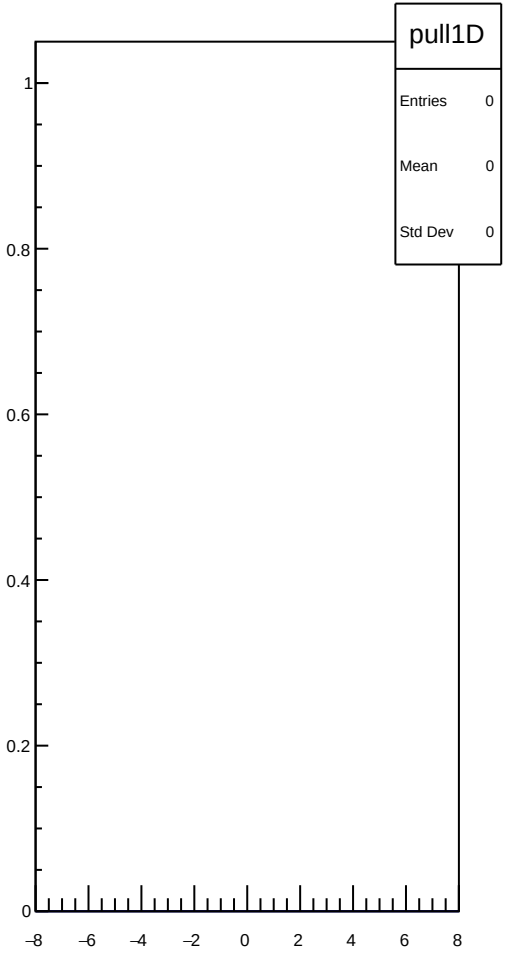

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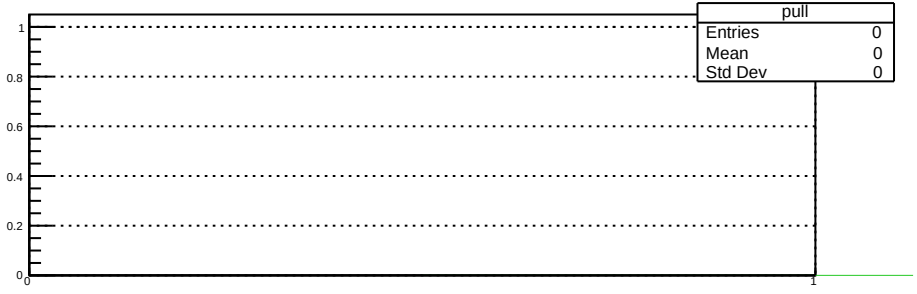

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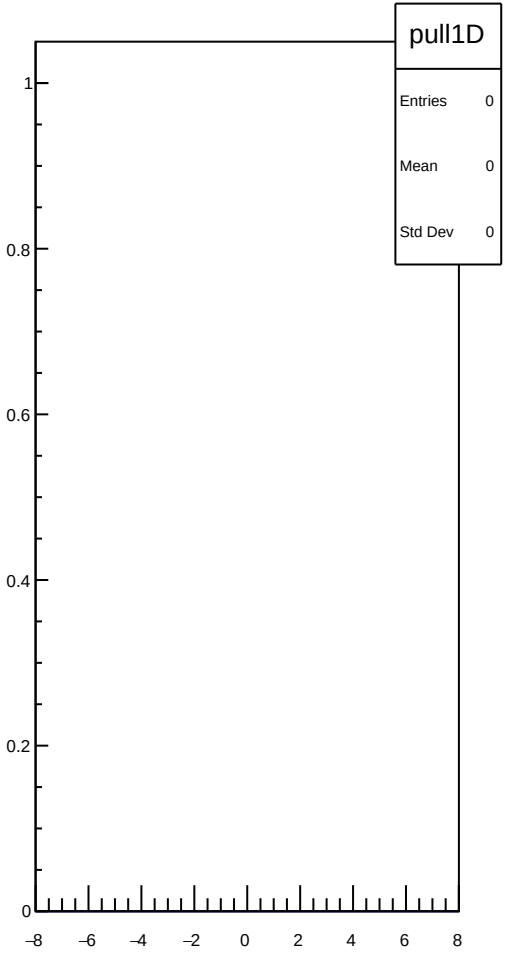

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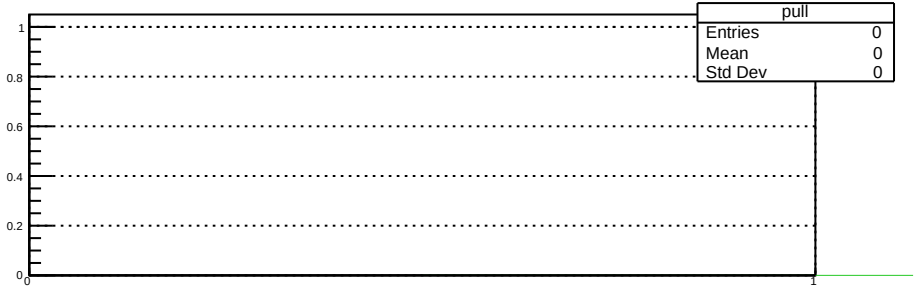

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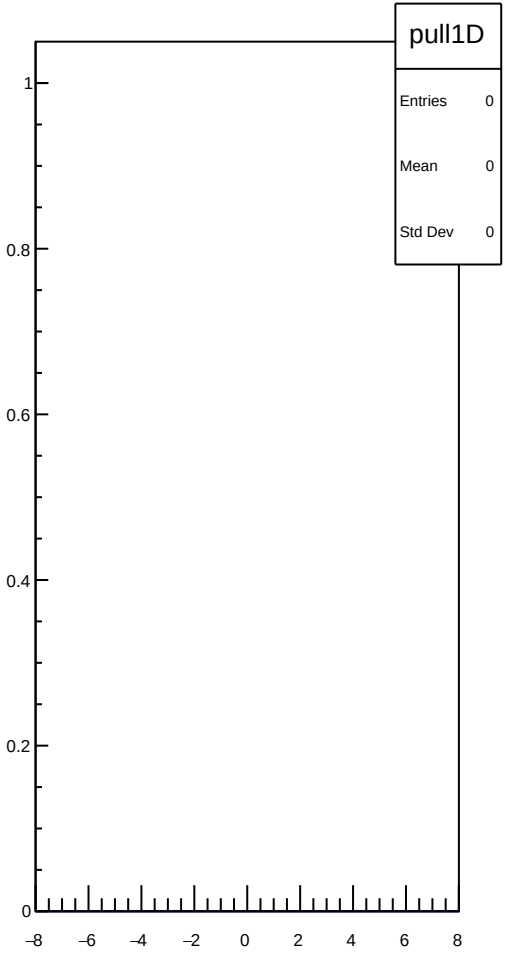

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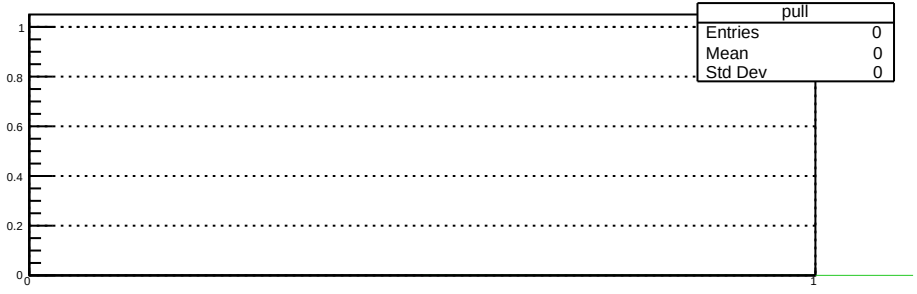

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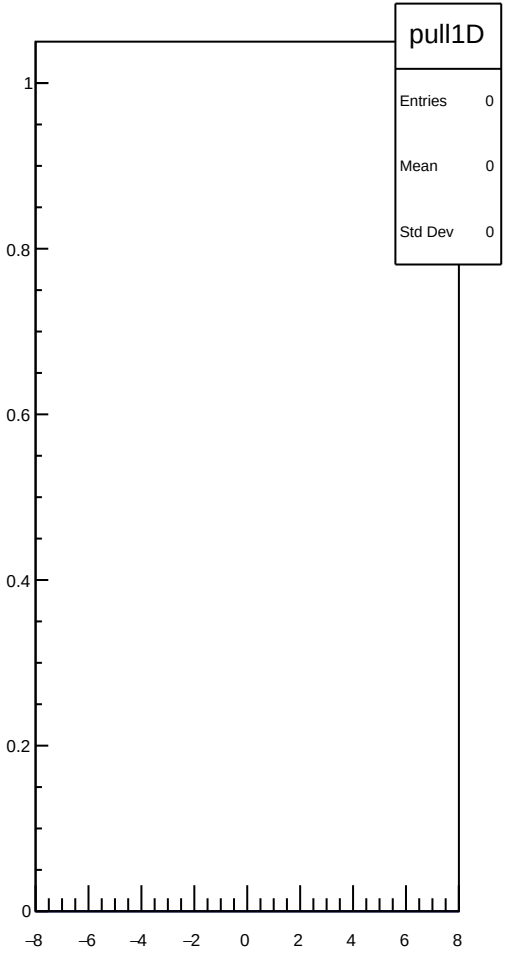

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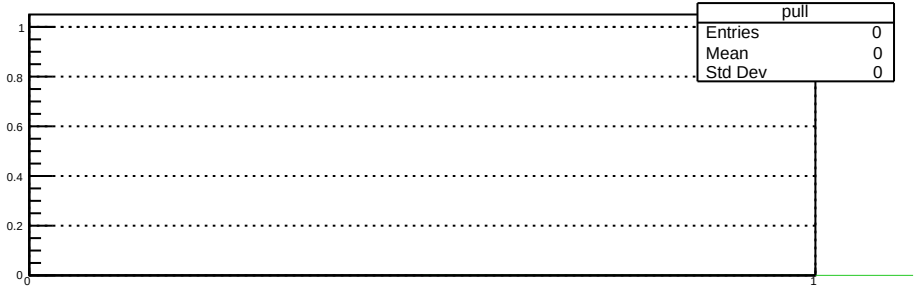

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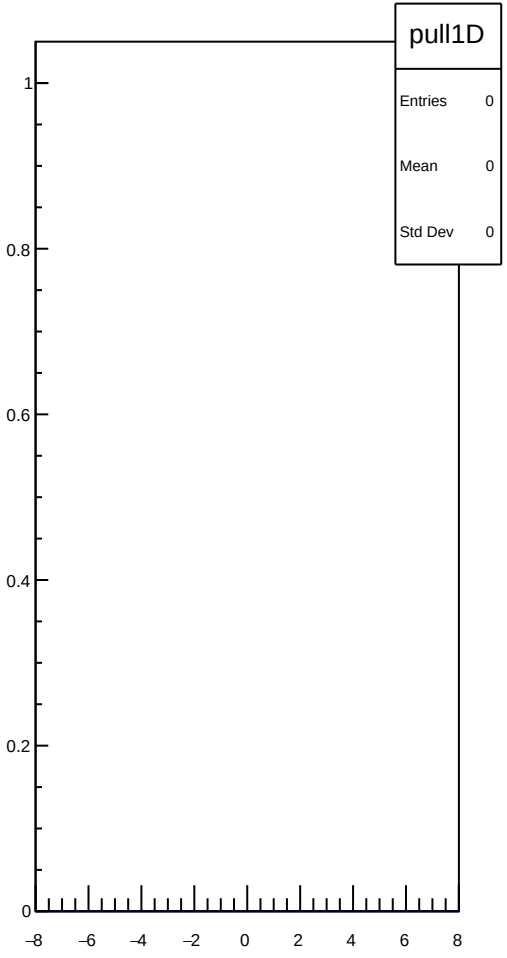

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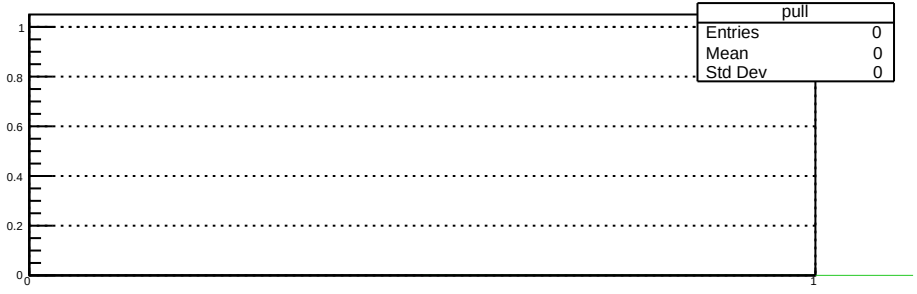

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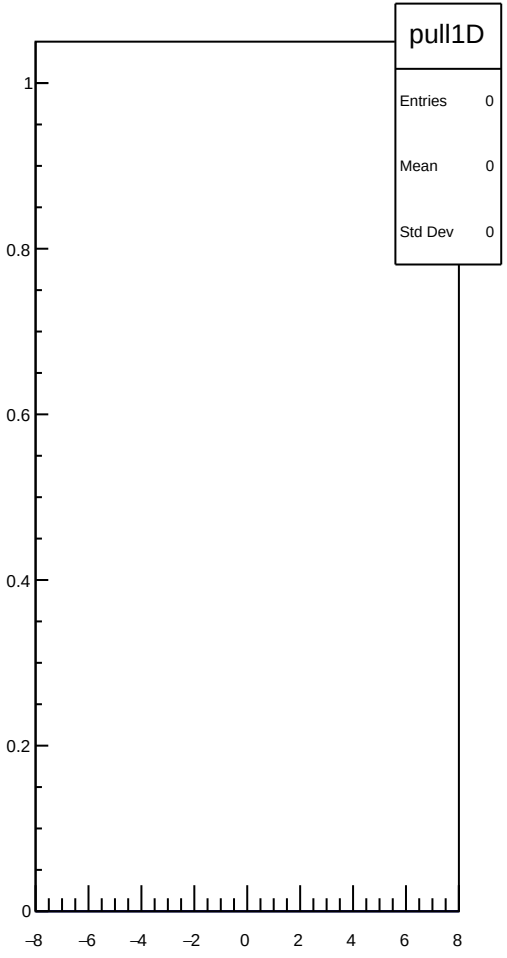

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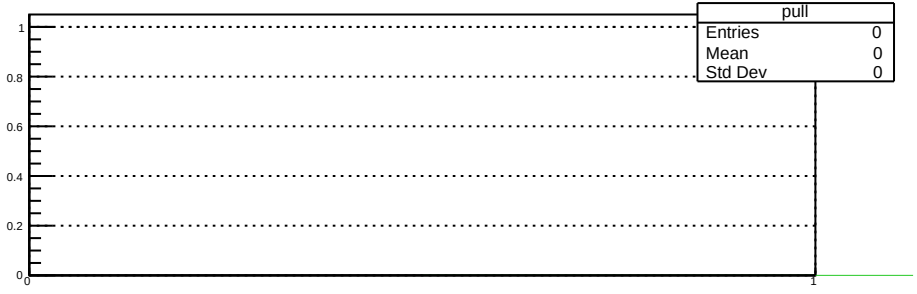

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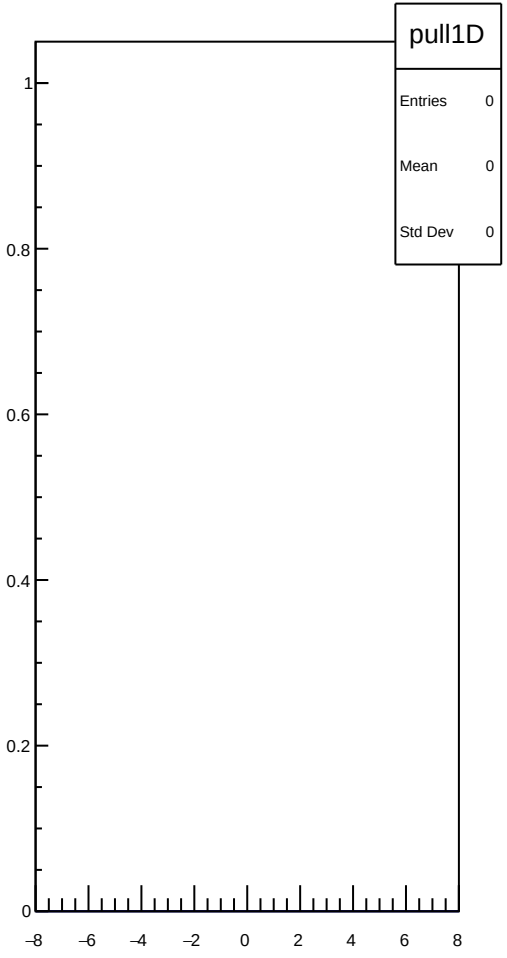

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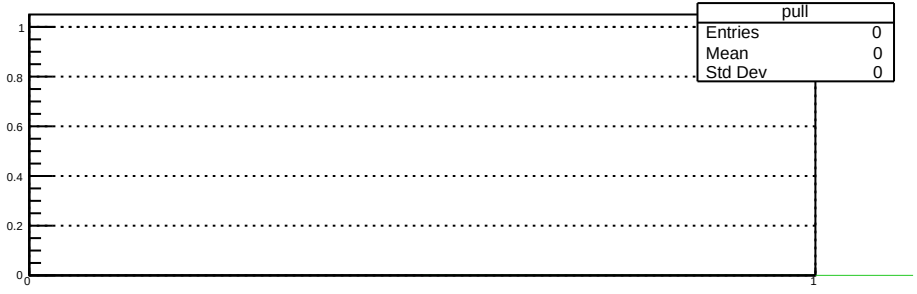

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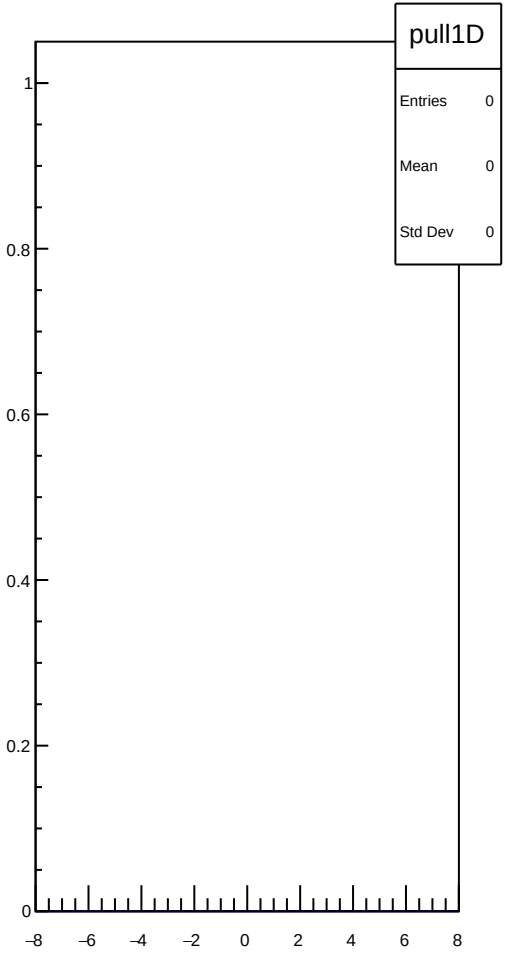

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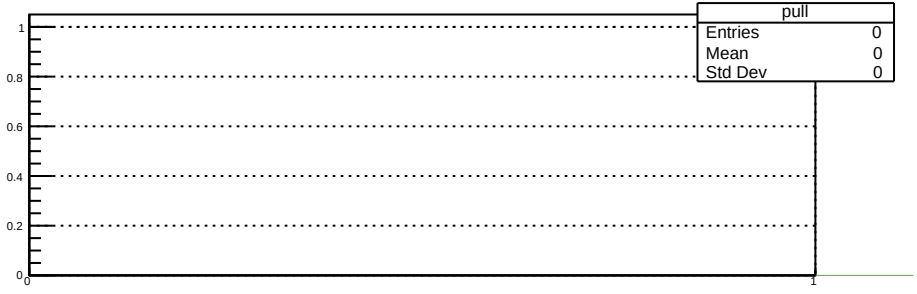

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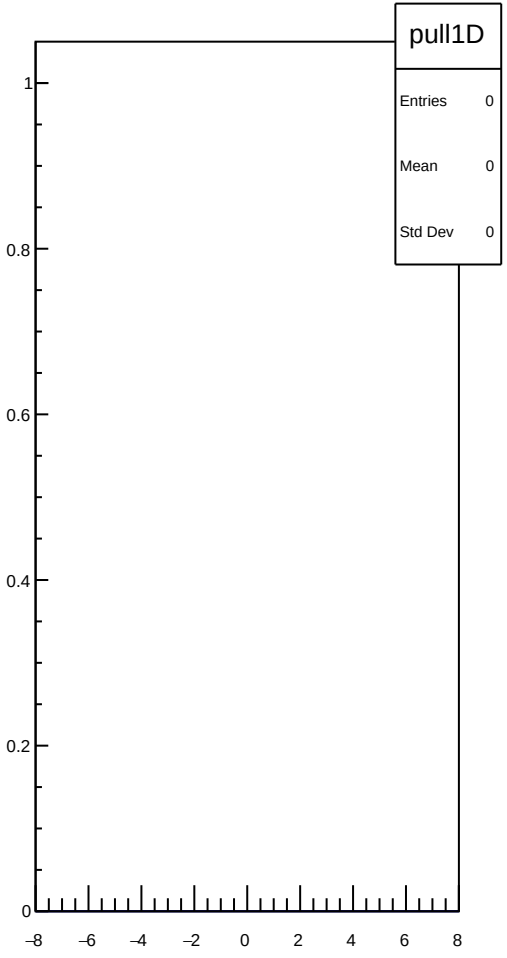

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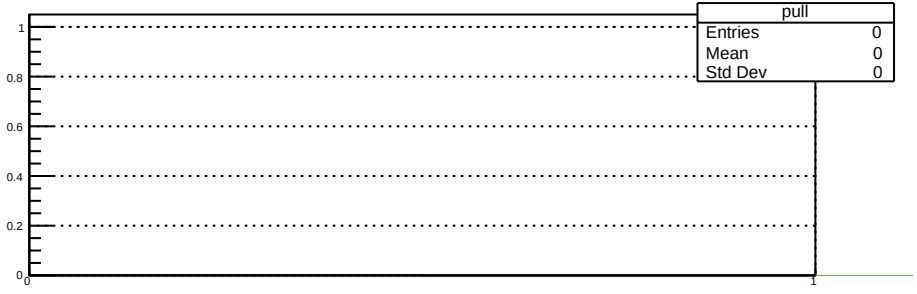

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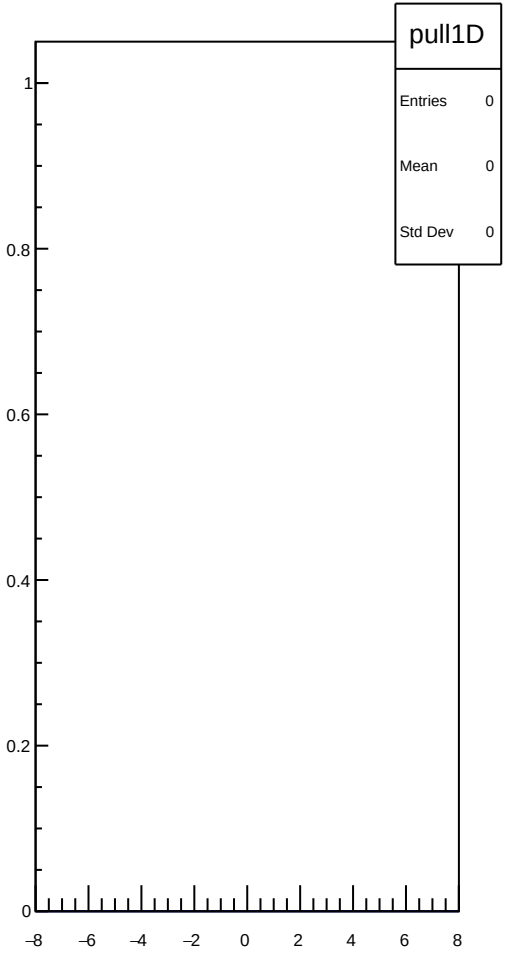

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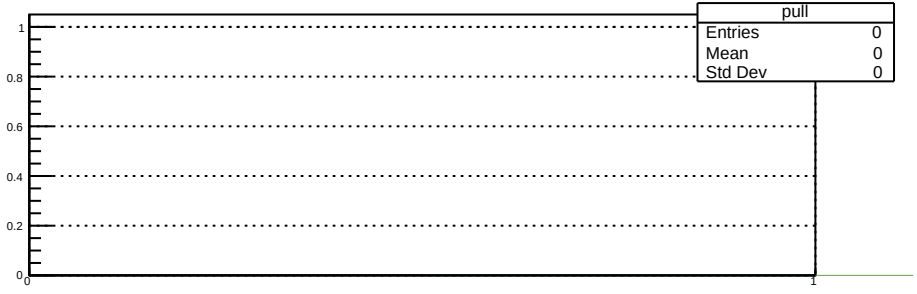

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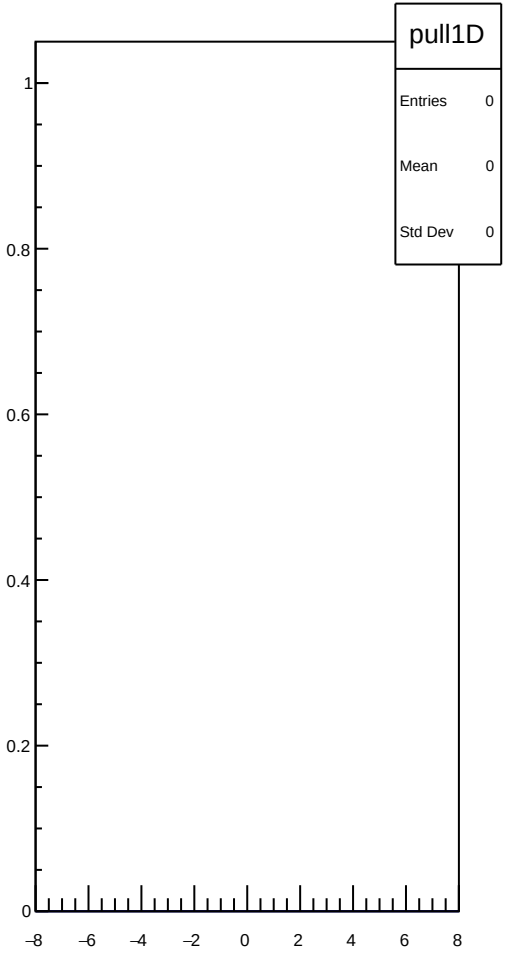

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

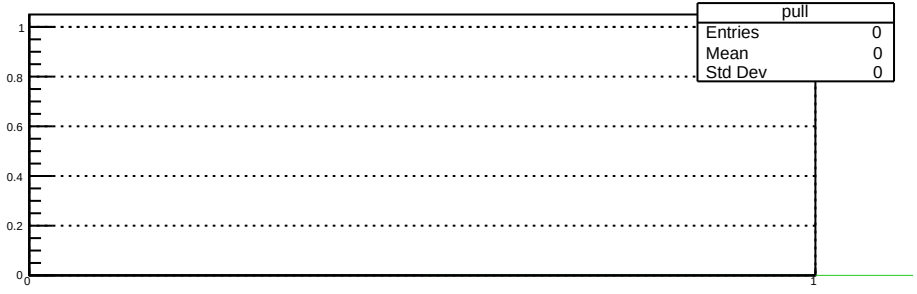

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–4
–2
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2
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6
8

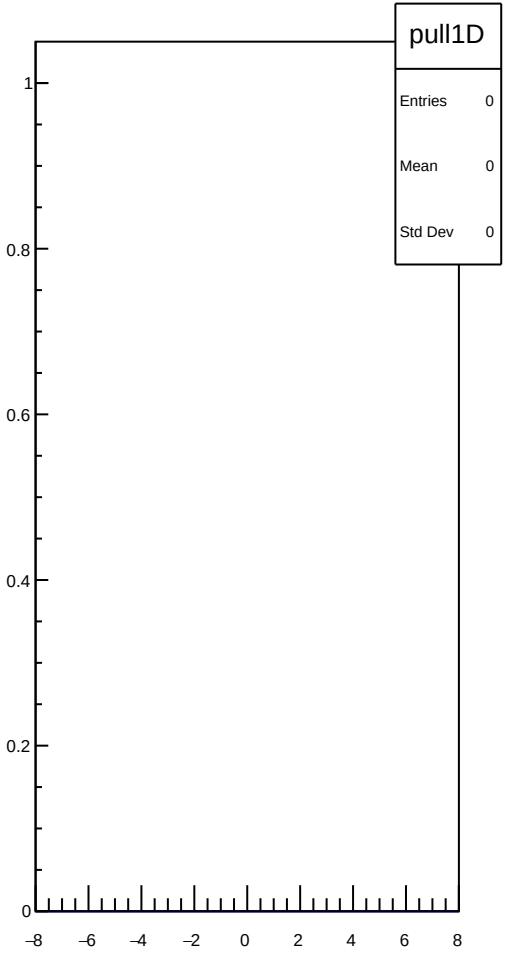

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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1

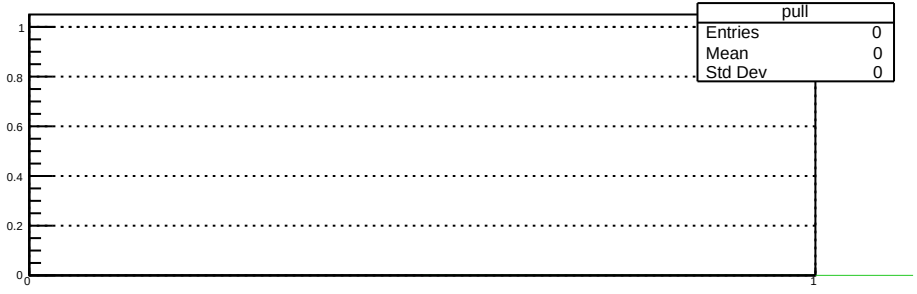

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–2
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2
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6
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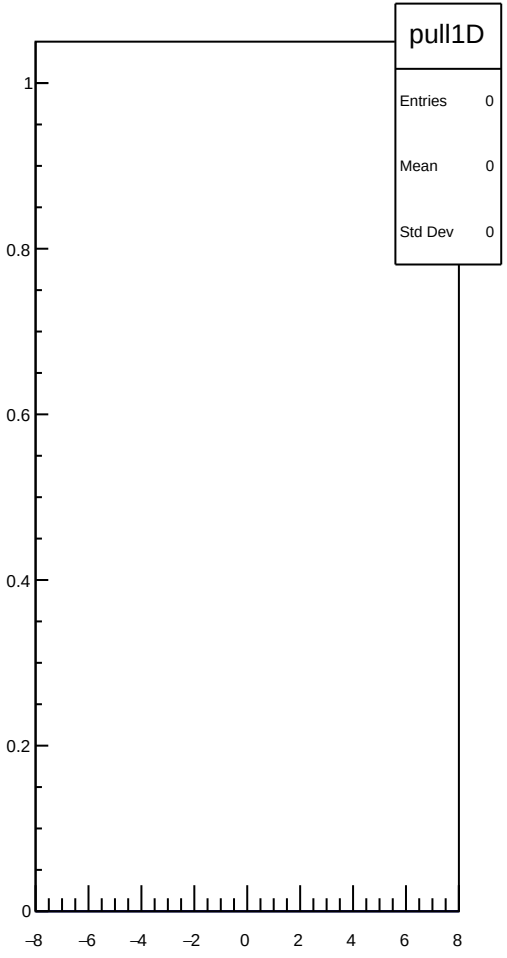

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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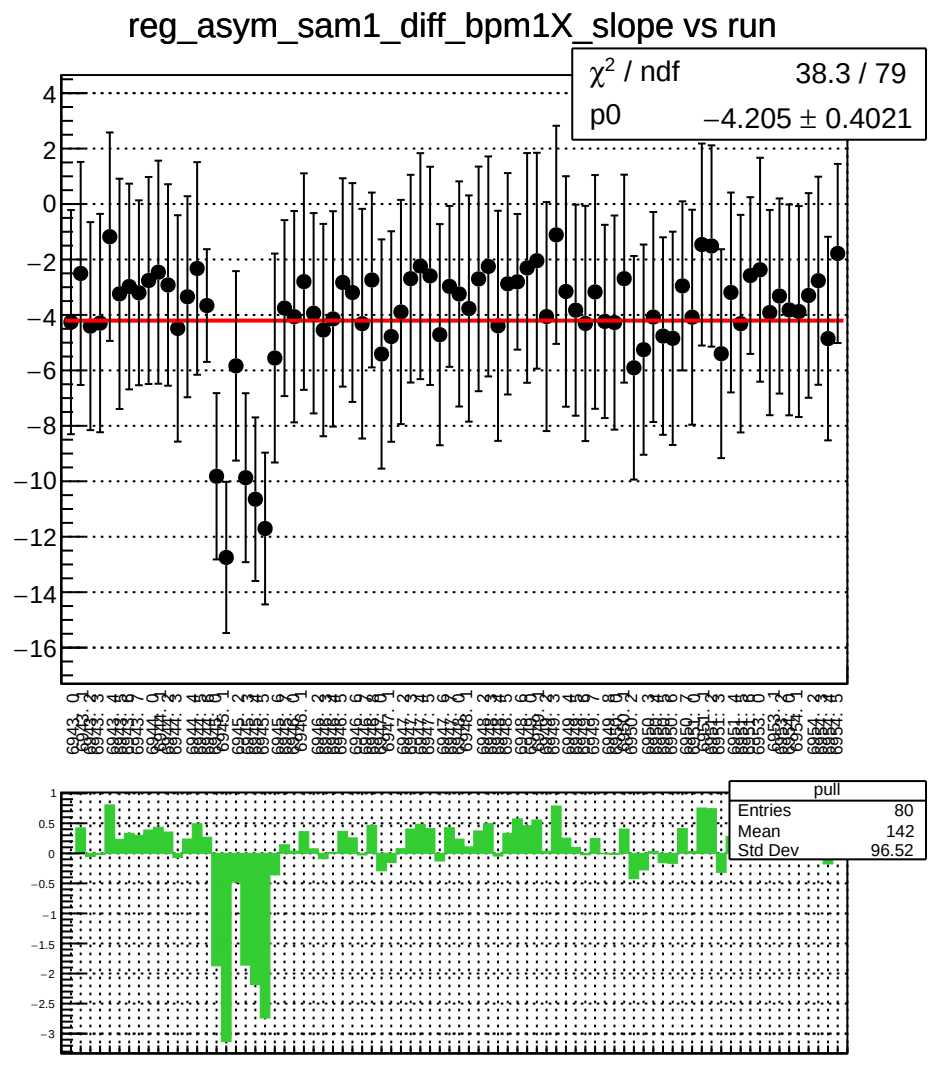

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–2
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2
4
6
8

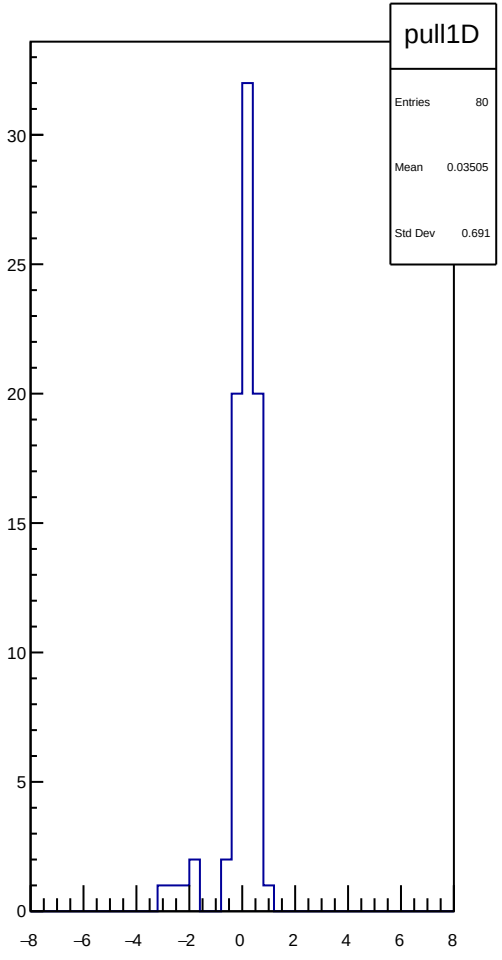

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

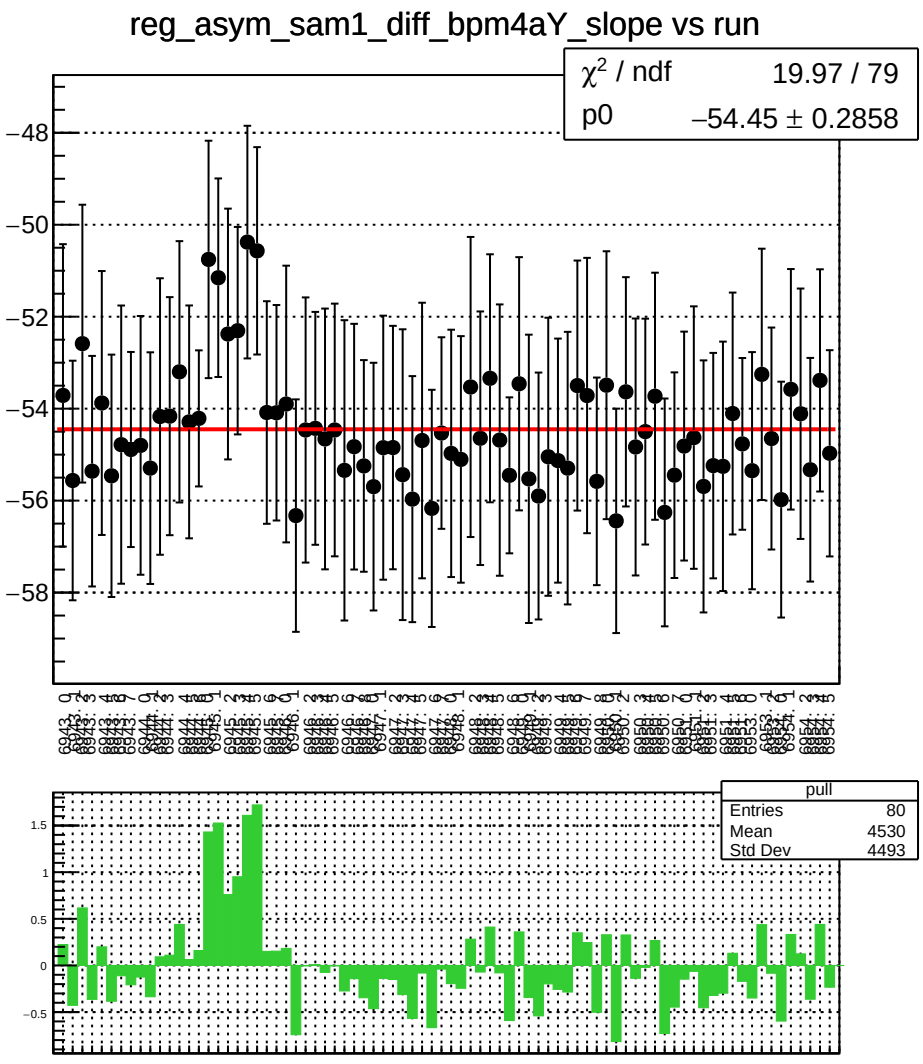

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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2
4
6
8

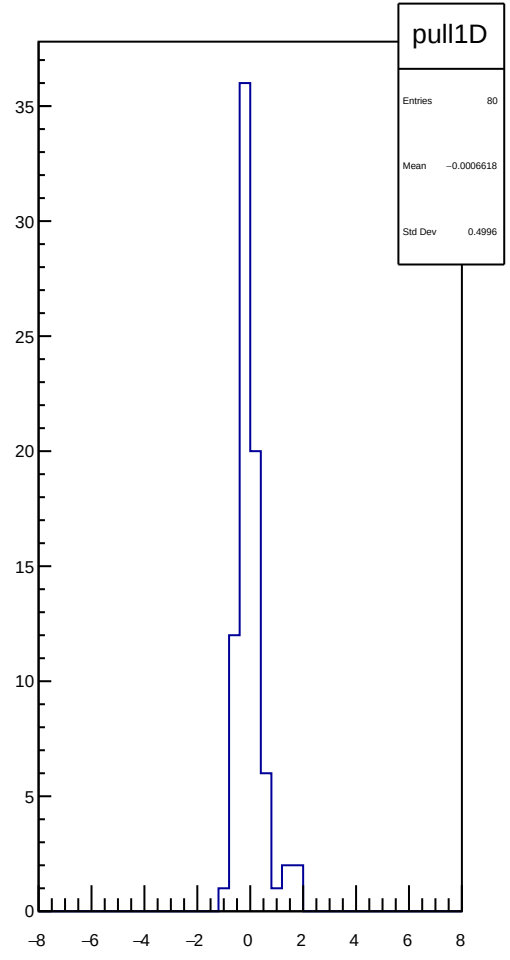

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

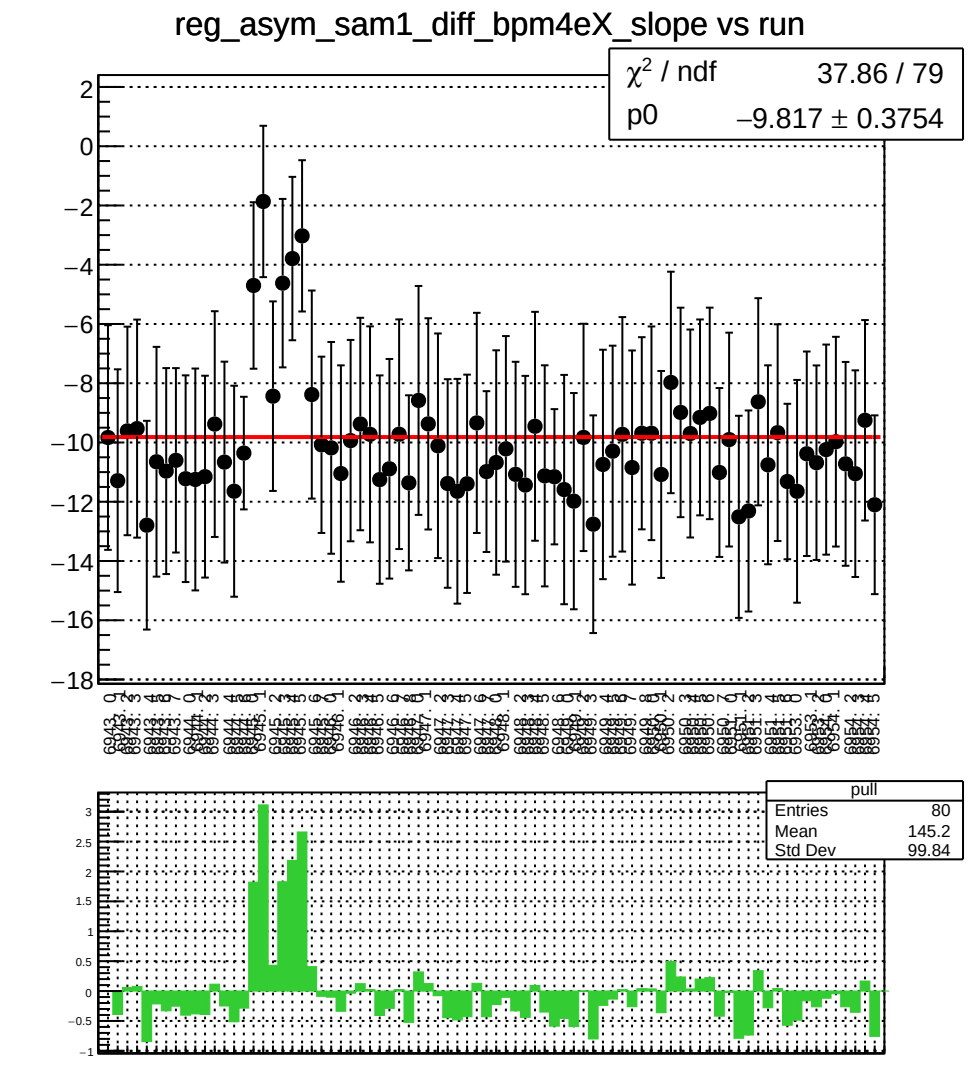

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

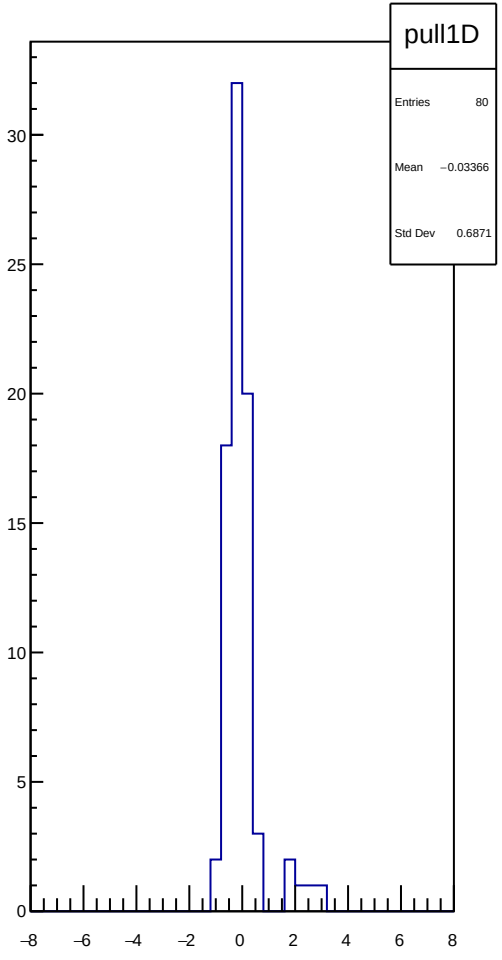

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 38.3 / 79
p0 −4.205 ± 0.4021
pull
Entries 80
Mean 142
Std Dev 96.52

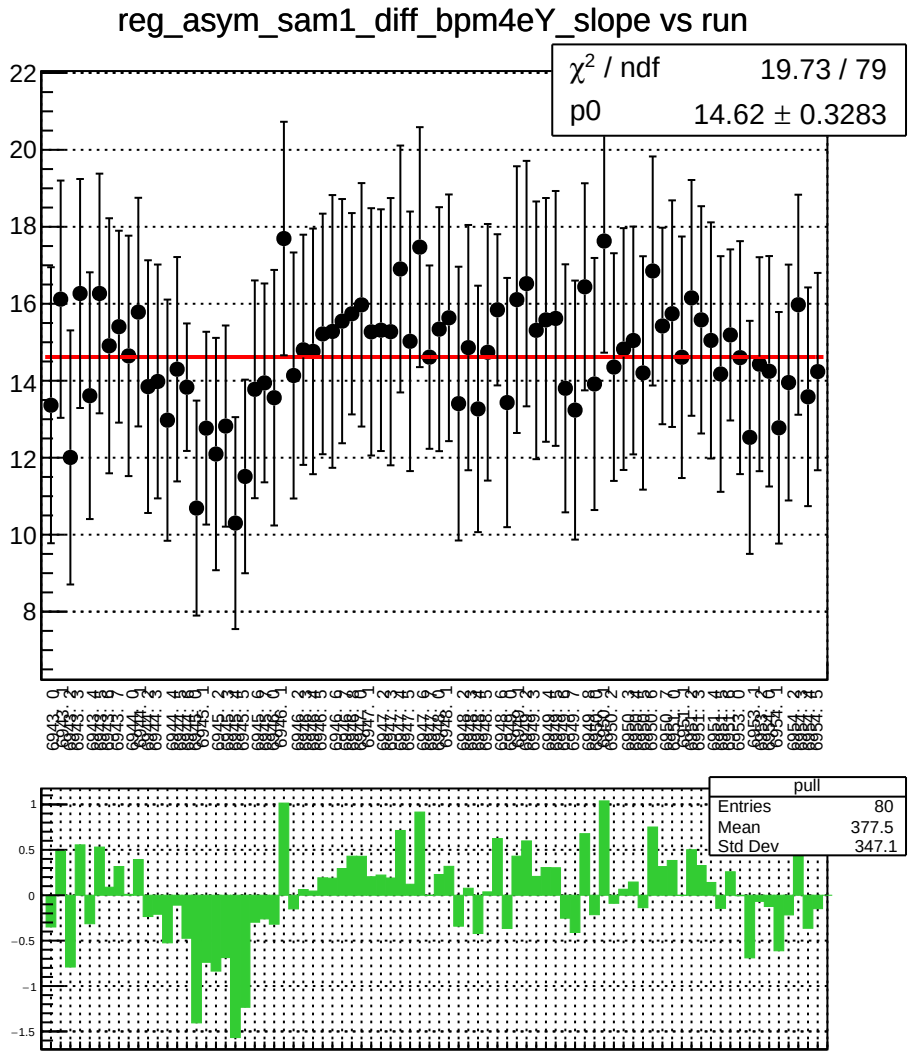

pull1D
Entries 80
Mean 0.03505
Std Dev 0.691

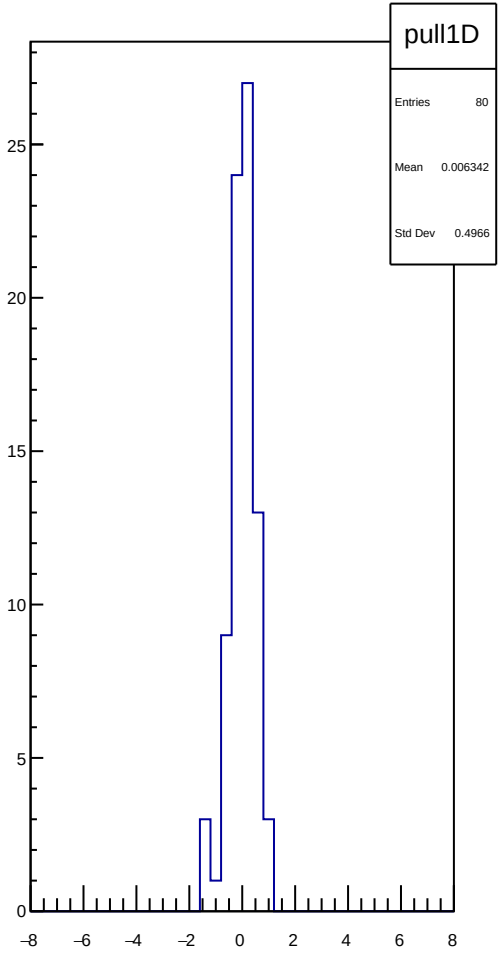

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 19.97 / 79
p0 −54.45 ± 0.2858
pull
Entries 80
Mean 4530
Std Dev 4493

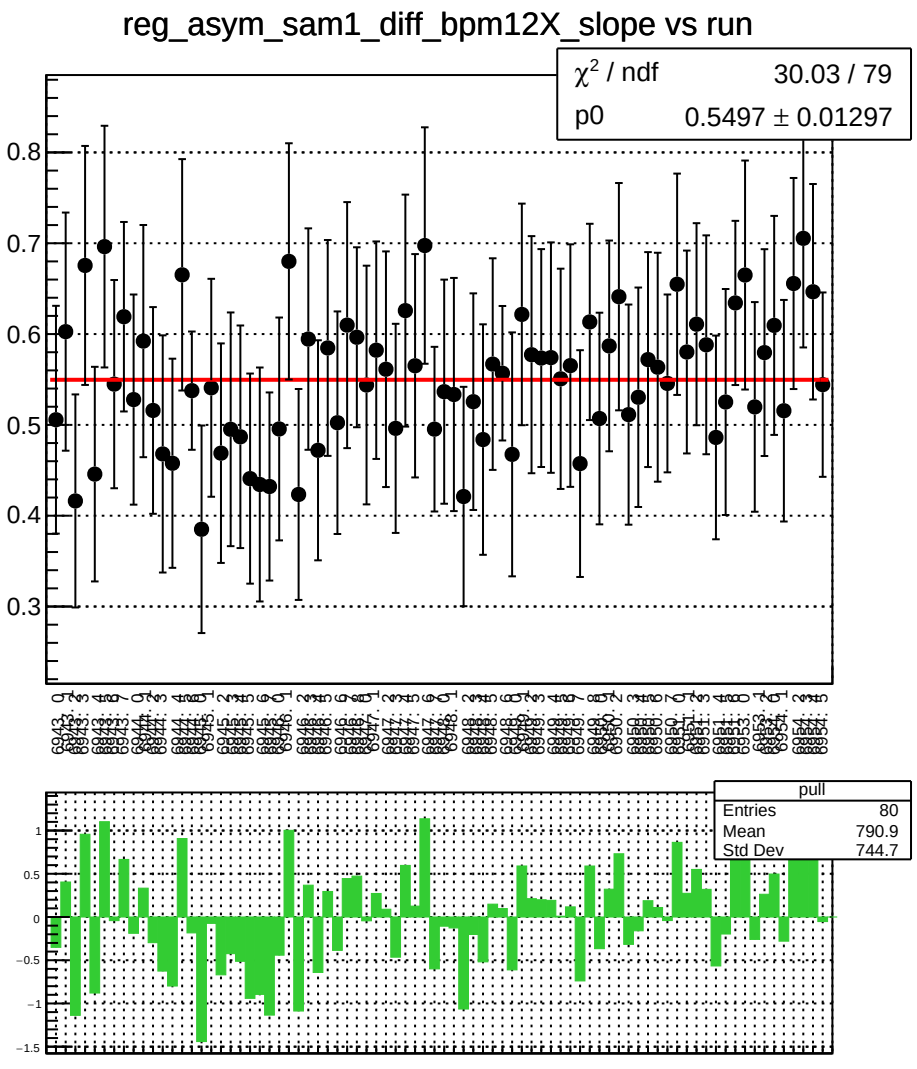

pull1D
Entries 80
Mean −0.0006618
Std Dev 0.4996

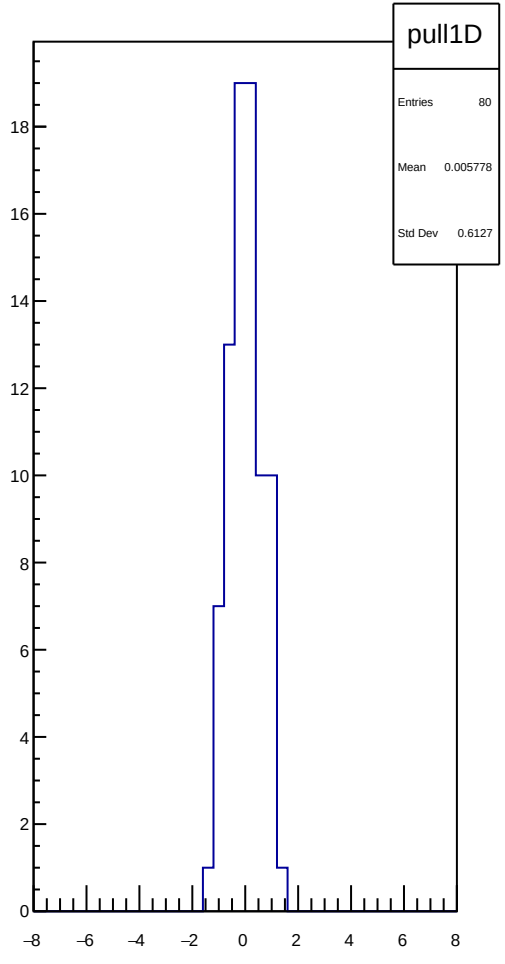

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 37.86 / 79
p0 −9.817 ± 0.3754
pull
Entries 80
Mean 145.2
Std Dev 99.84

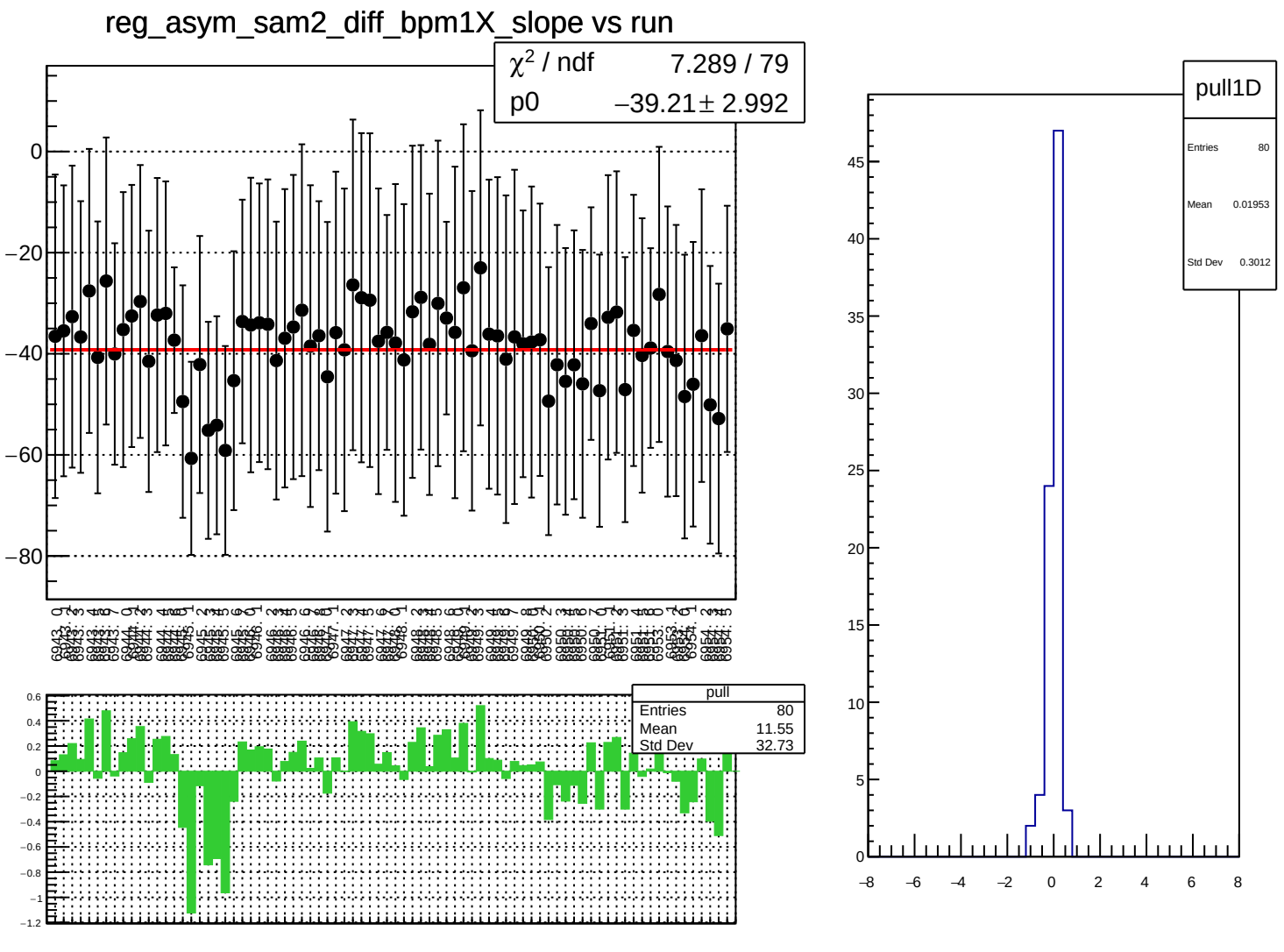

pull1D
Entries 80
Mean −0.03366
Std Dev 0.6871

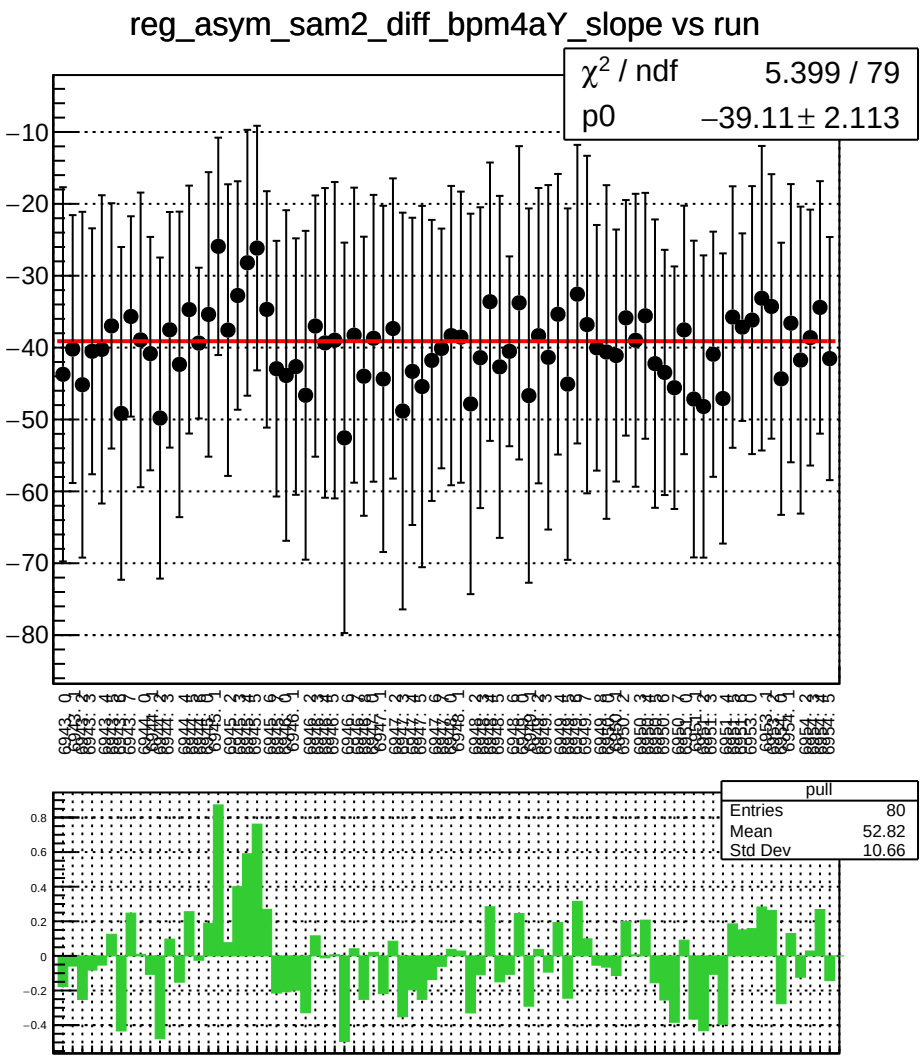

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 19.73 / 79
p0 14.62 ± 0.3283
pull
Entries 80
Mean 377.5
Std Dev 347.1

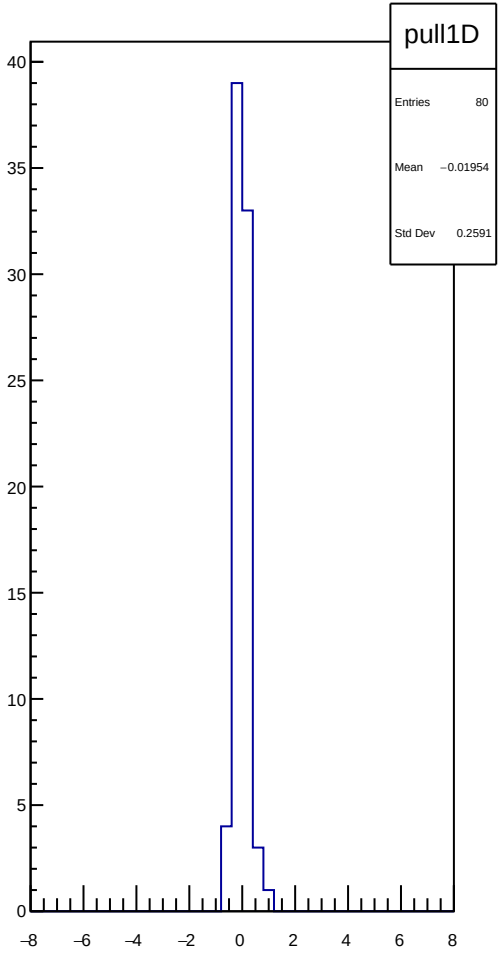

pull1D
Entries 80
Mean 0.006342
Std Dev 0.4966

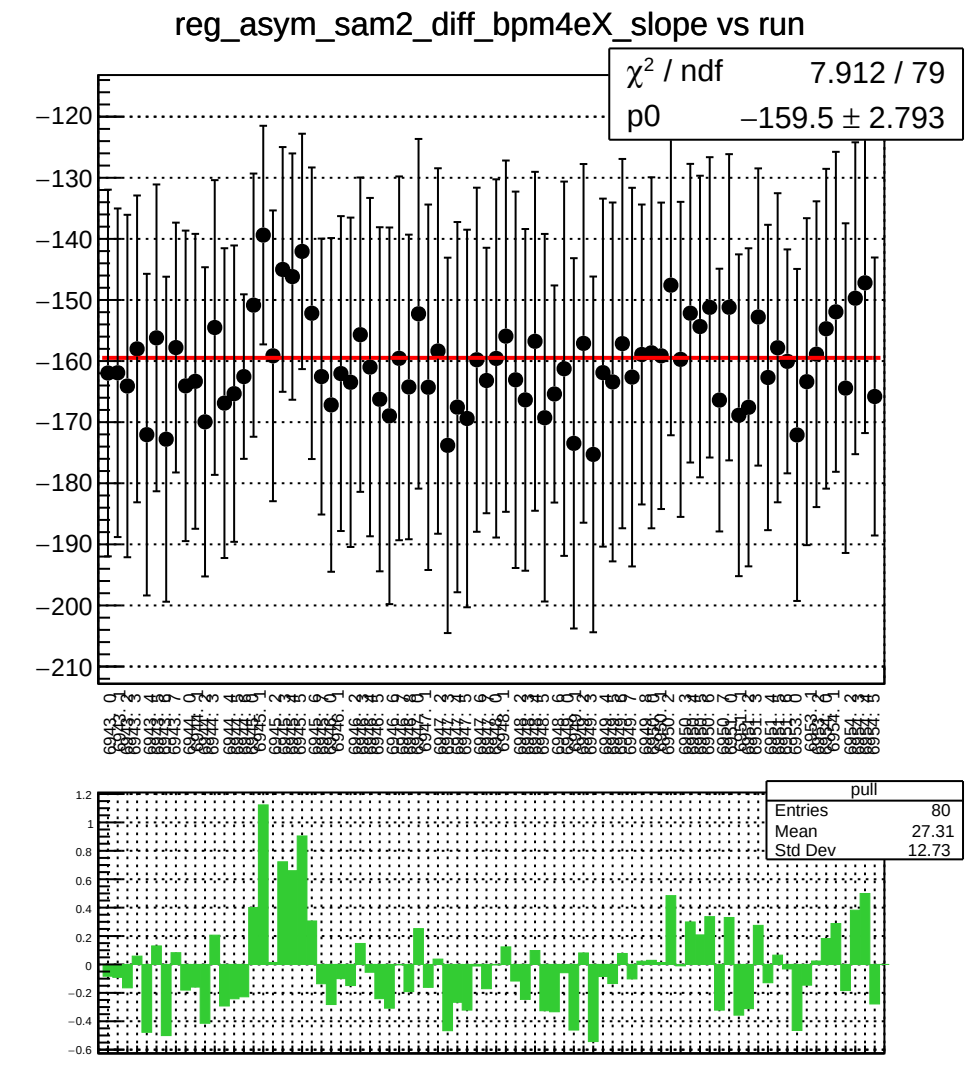

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 30.03 / 79
p0 0.5497 ± 0.01297
pull
Entries 80
Mean 790.9
Std Dev 744.7

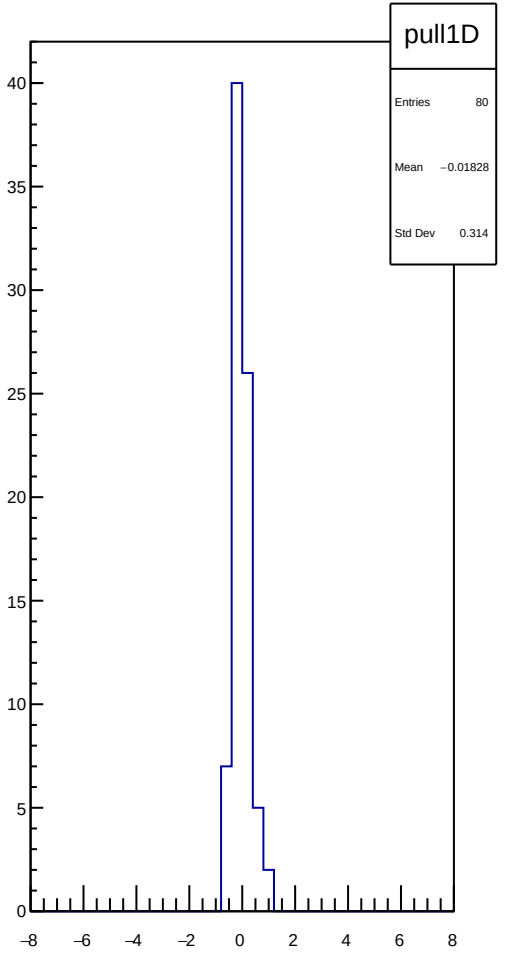

pull1D
Entries 80
Mean 0.005778
Std Dev 0.6127

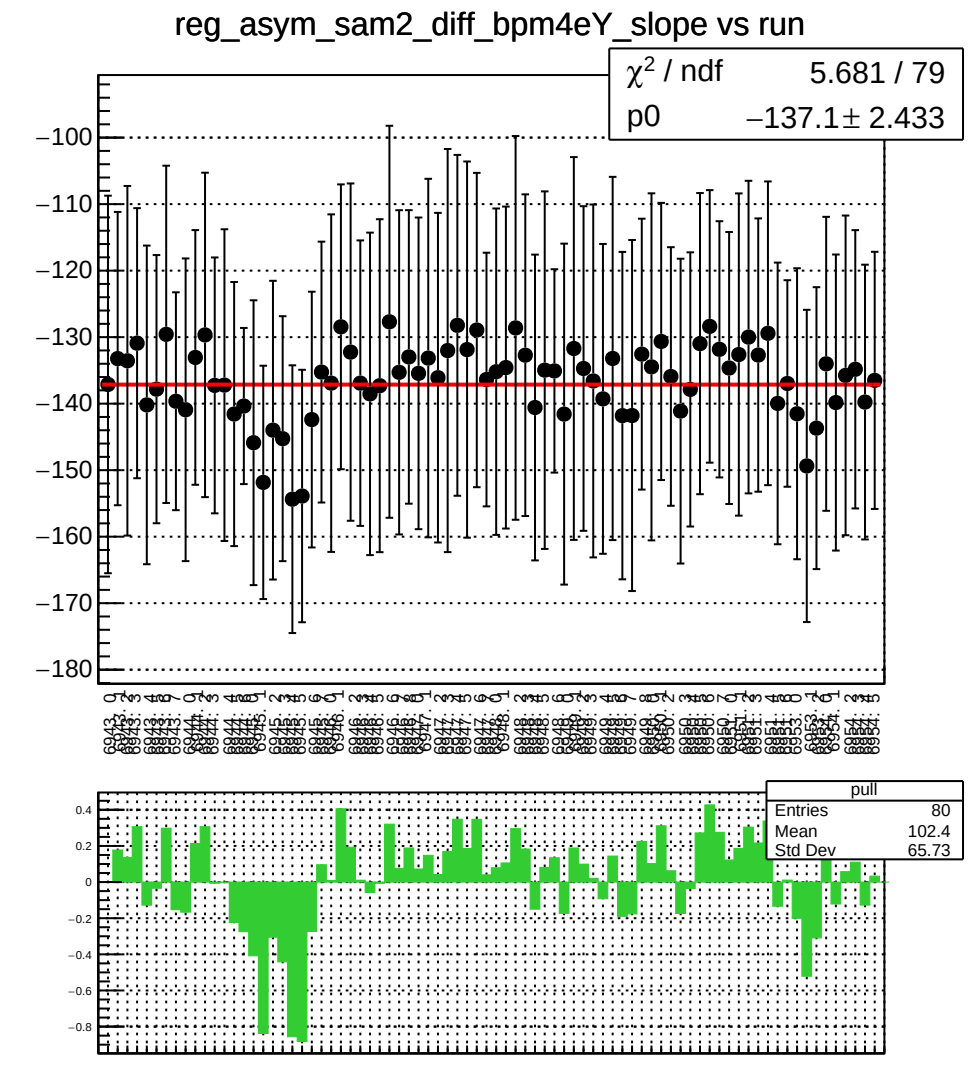

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 7.289 / 79
p0 −39.21 ± 2.992
pull
Entries 80
Mean 11.55
Std Dev 32.73
pull1D
Entries 80
Mean 0.01953
Std Dev 0.3012

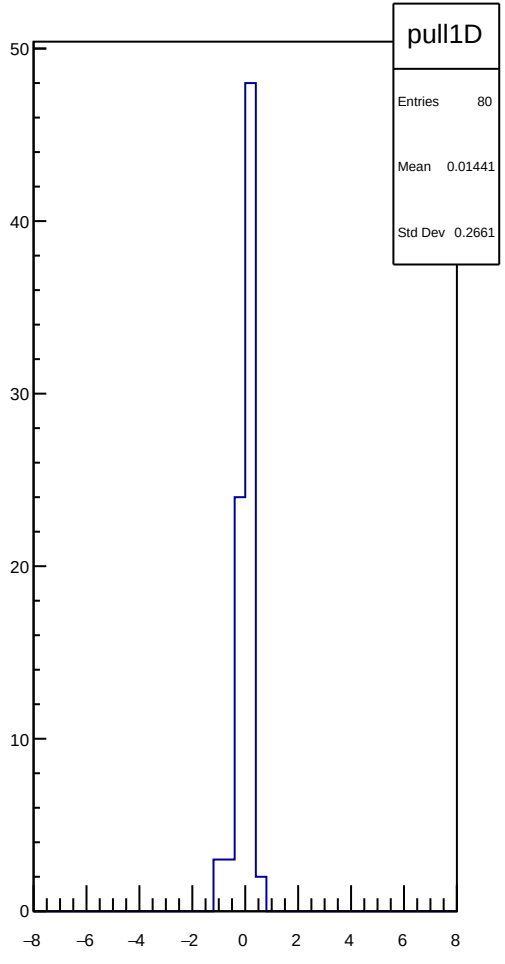

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 5.399 / 79
p0 −39.11 ± 2.113
pull
Entries 80
Mean 52.82
Std Dev 10.66

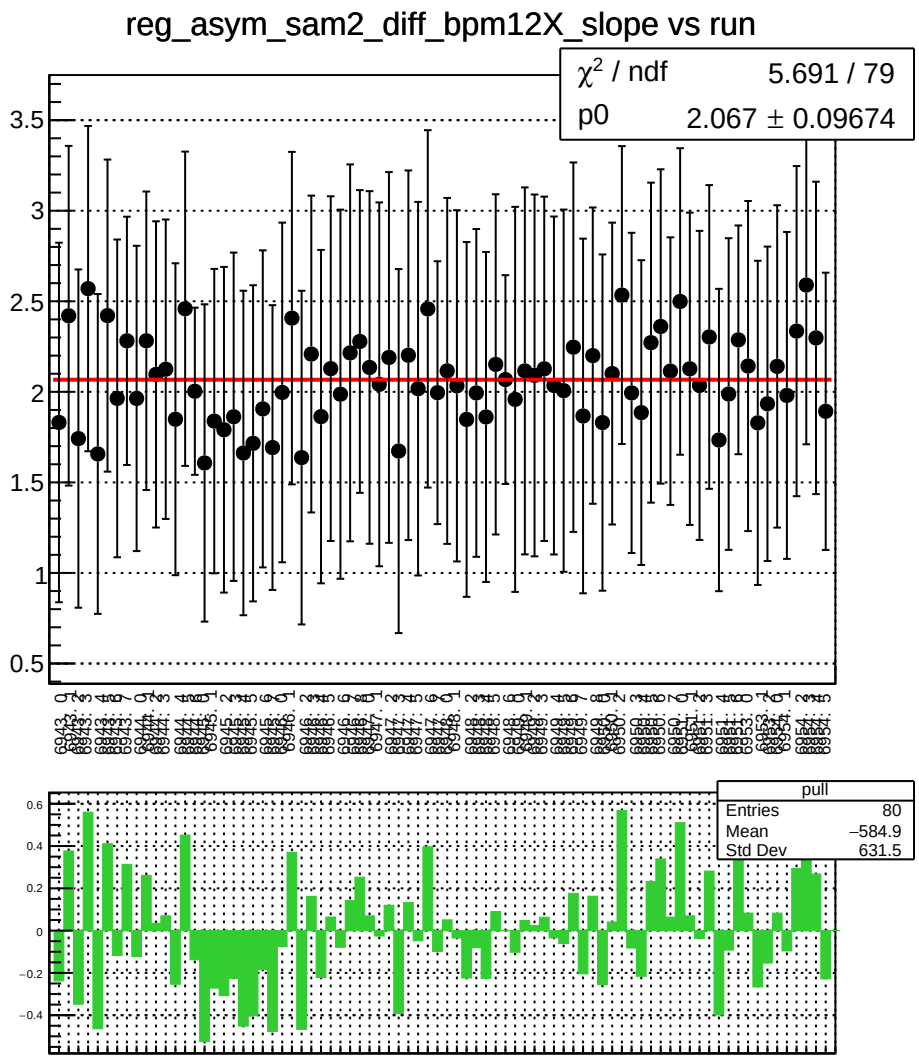

pull1D
Entries 80
Mean −0.01954
Std Dev 0.2591

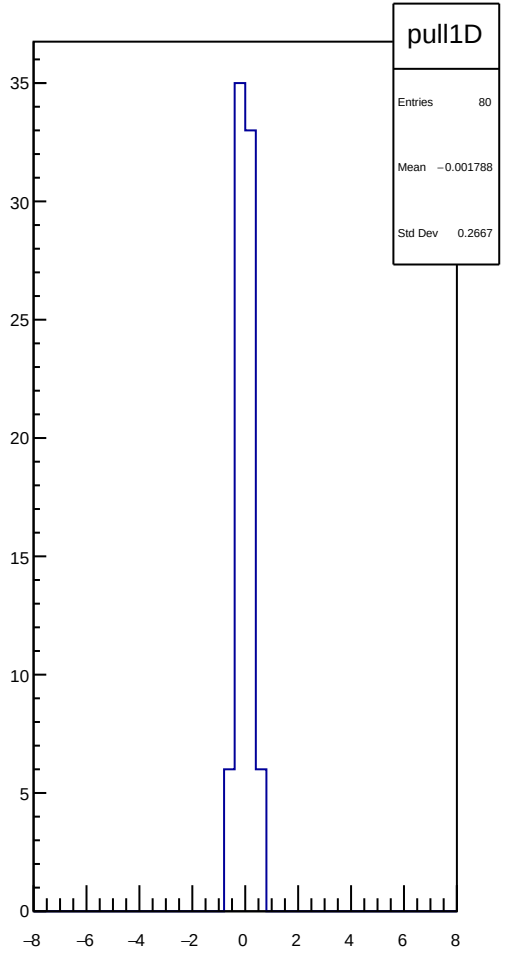

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 7.912 / 79
p0 −159.5 ± 2.793
pull
Entries 80
Mean 27.31
Std Dev 12.73

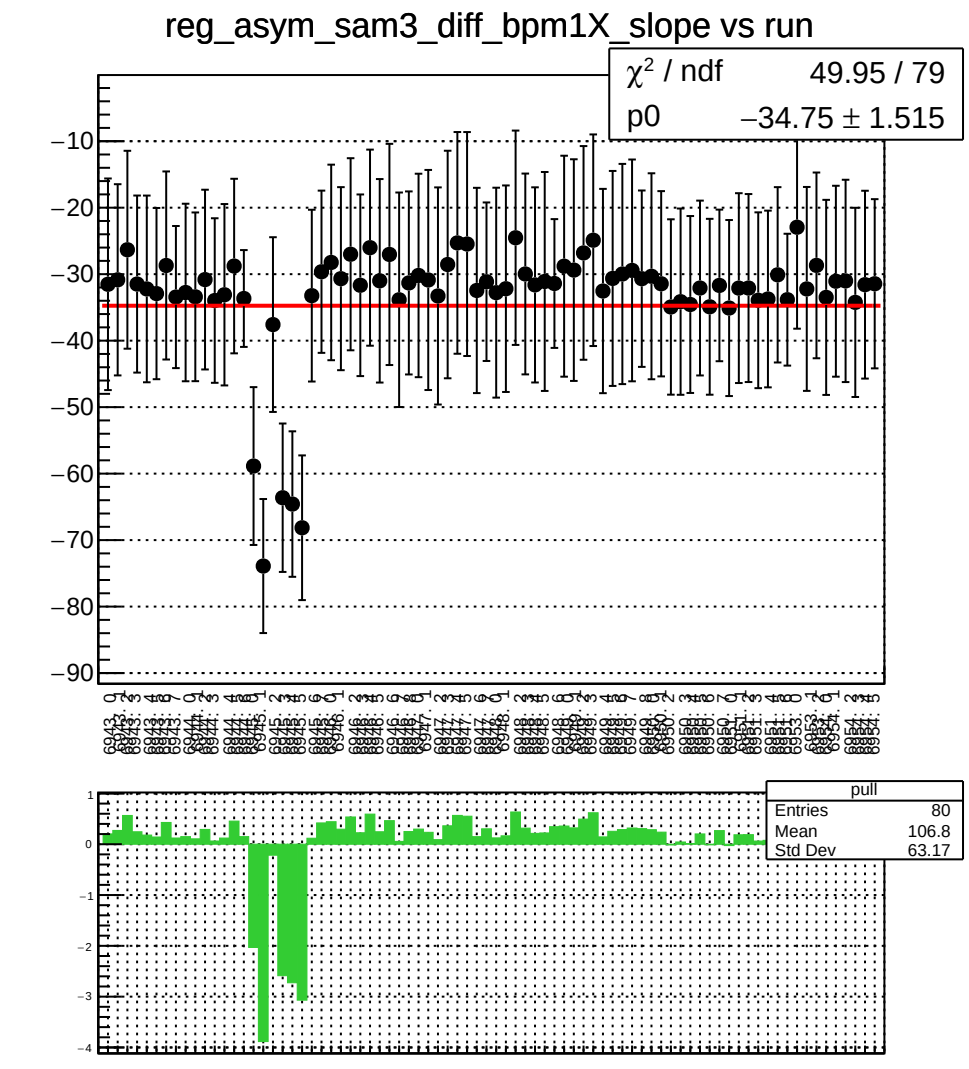

pull1D
Entries 80
Mean −0.01828
Std Dev 0.314

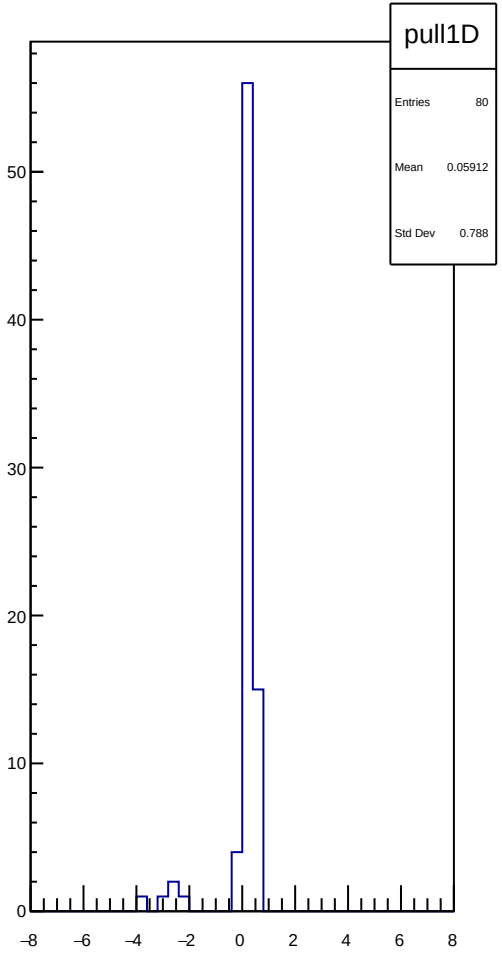

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 5.681 / 79
p0 −137.1± 2.433
pull
Entries 80
Mean 102.4
Std Dev 65.73

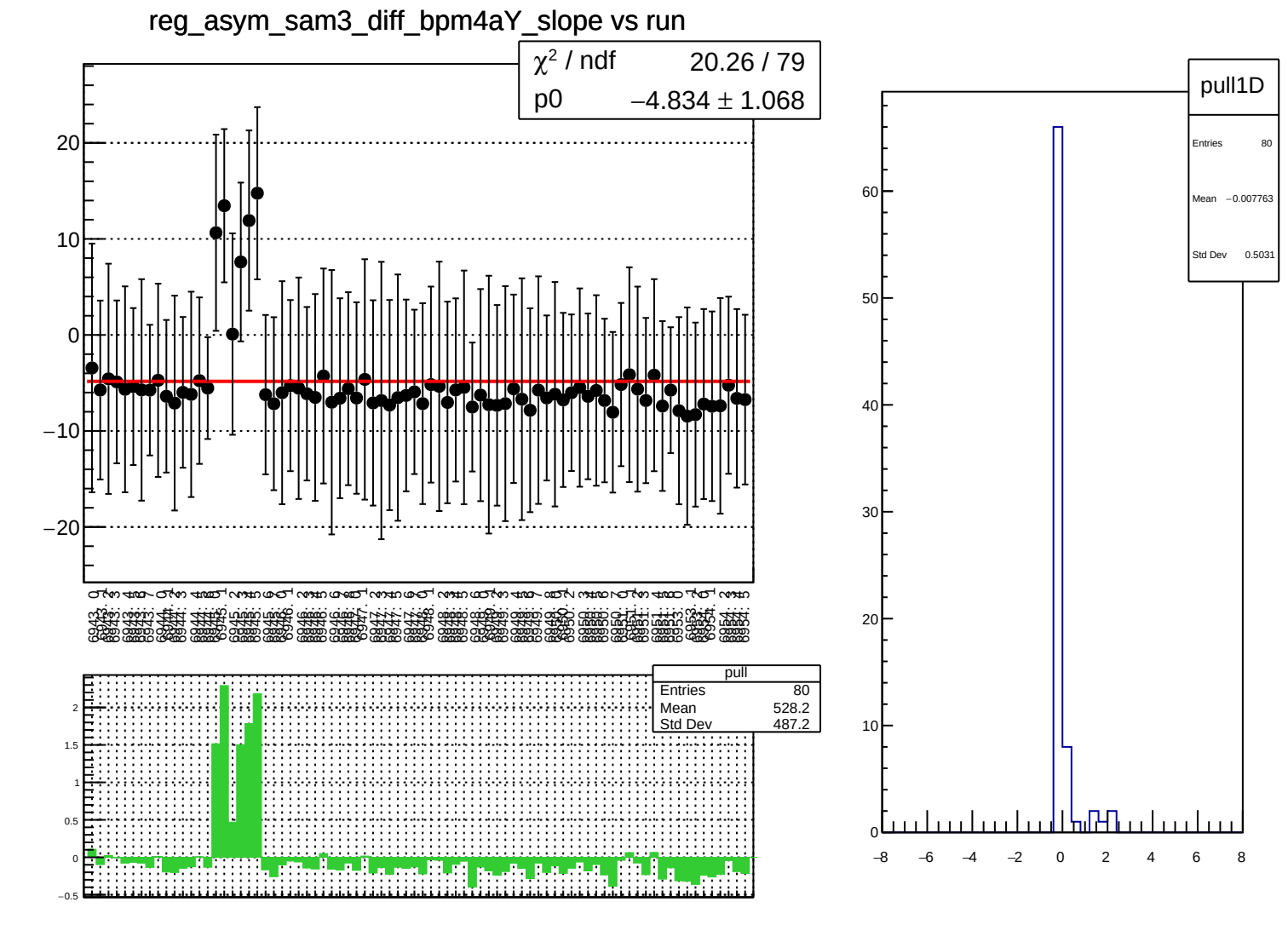

pull1D
Entries 80
Mean 0.01441
Std Dev 0.2661

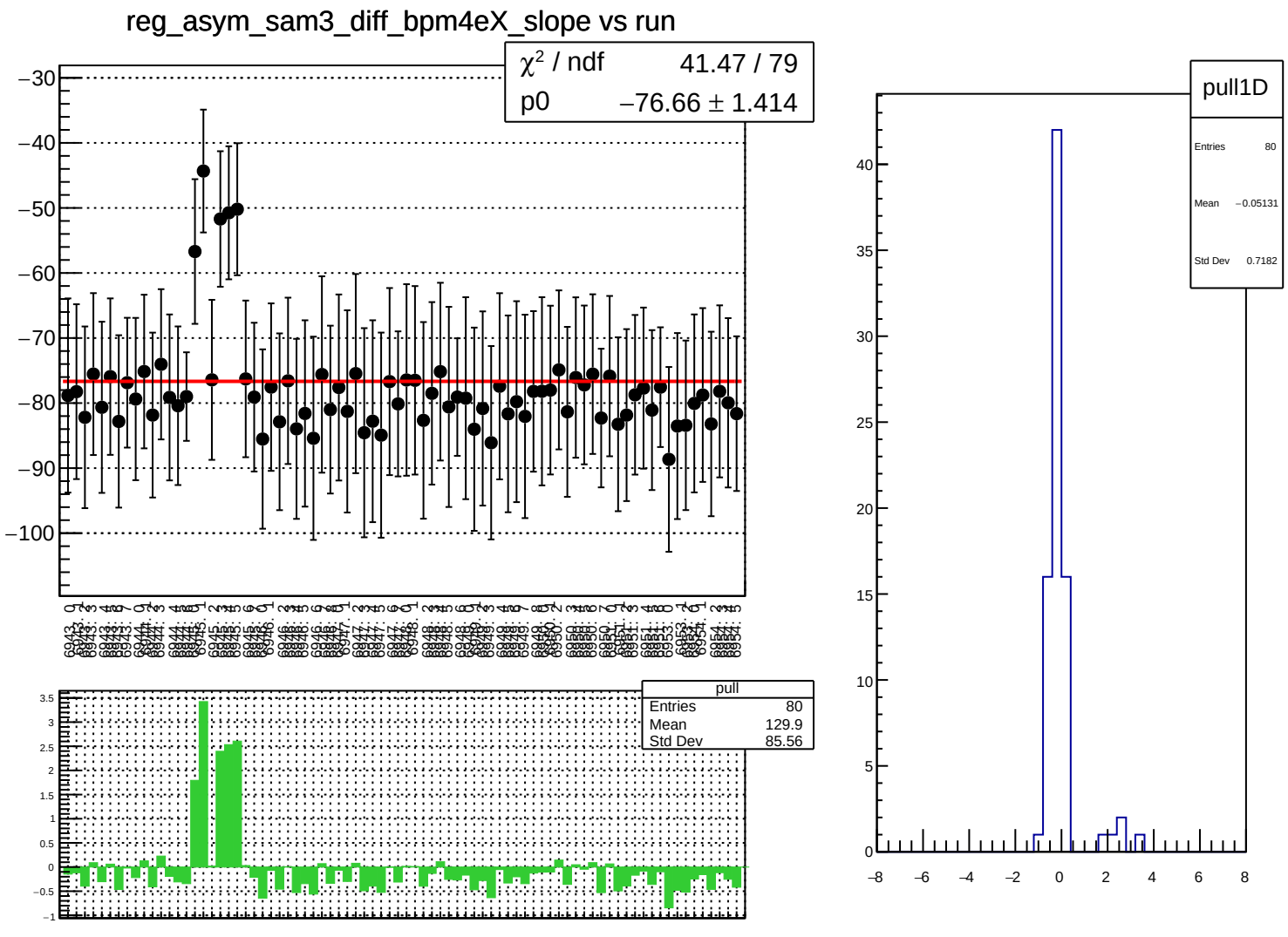

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 5.691 / 79
p0 2.067 ± 0.09674
pull
Entries 80
Mean −584.9
Std Dev 631.5

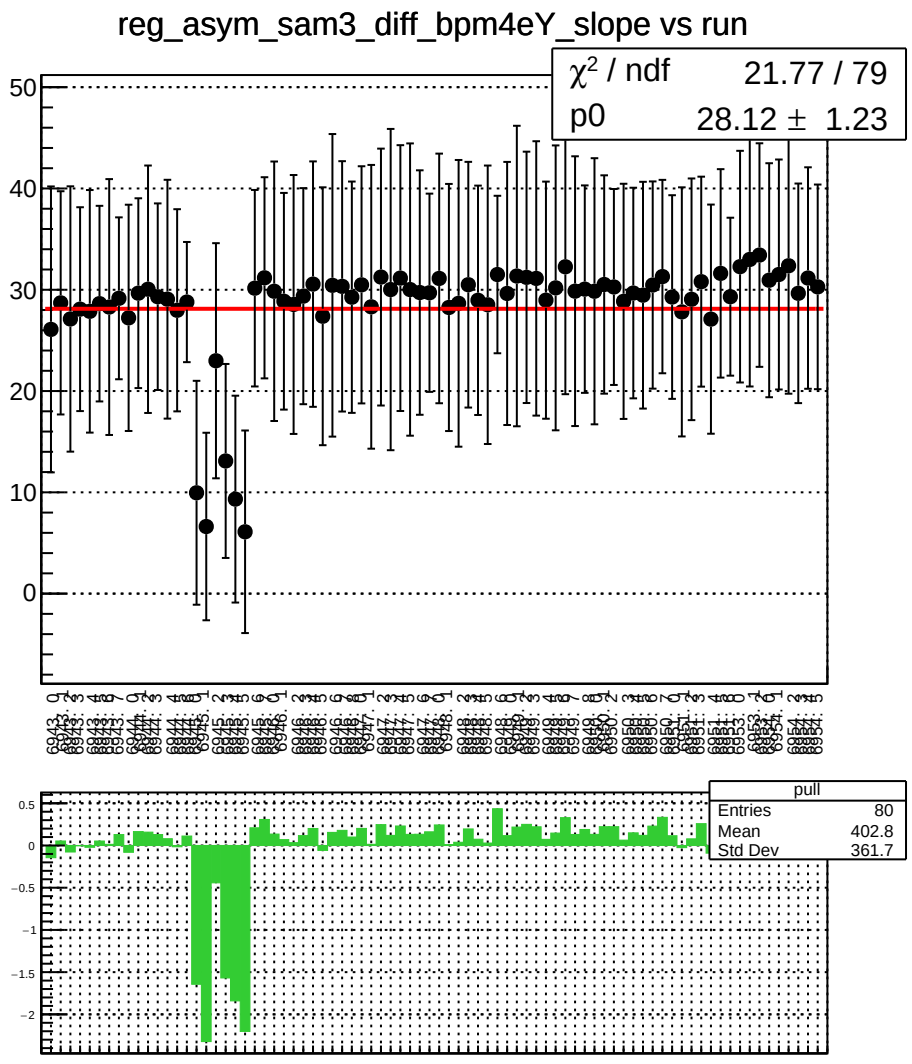

pull1D
Entries 80
Mean −0.001788
Std Dev 0.2667

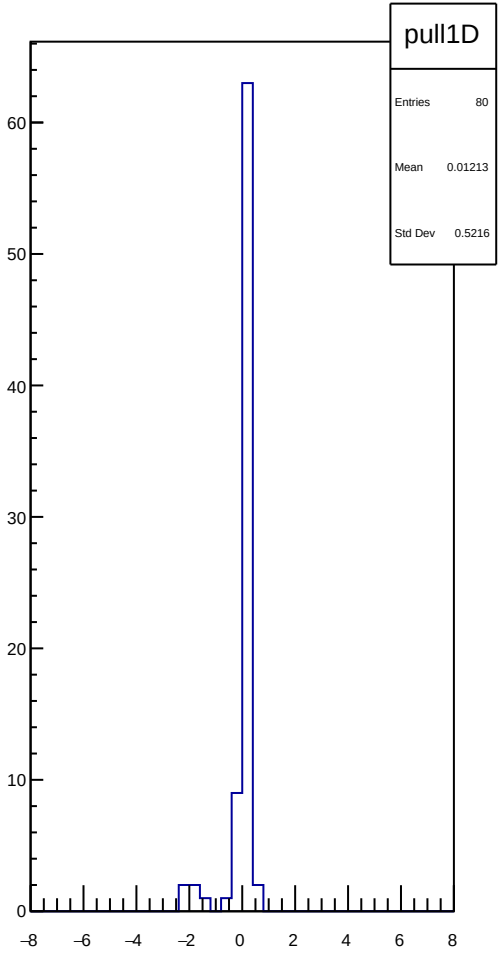

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 49.95 / 79
p0 −34.75 ± 1.515
pull
Entries 80
Mean 106.8
Std Dev 63.17

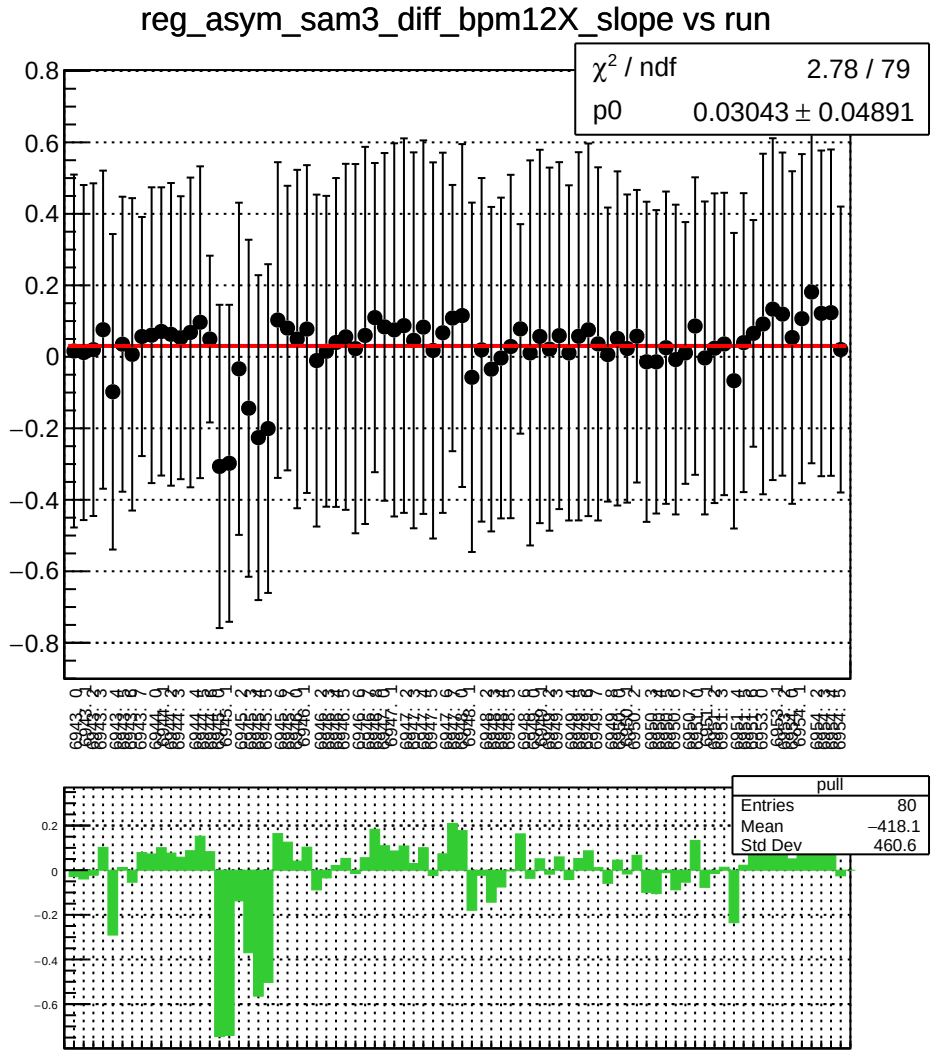

pull1D
Entries 80
Mean 0.05912
Std Dev 0.788

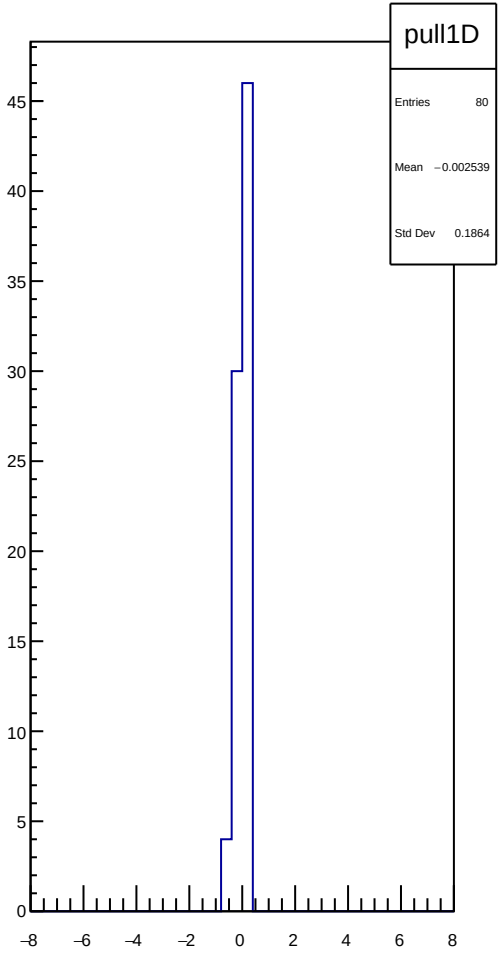

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 20.26 / 79
p0 −4.834 ± 1.068
pull
Entries 80
Mean 528.2
Std Dev 487.2
pull1D
Entries 80
Mean −0.007763
Std Dev 0.5031

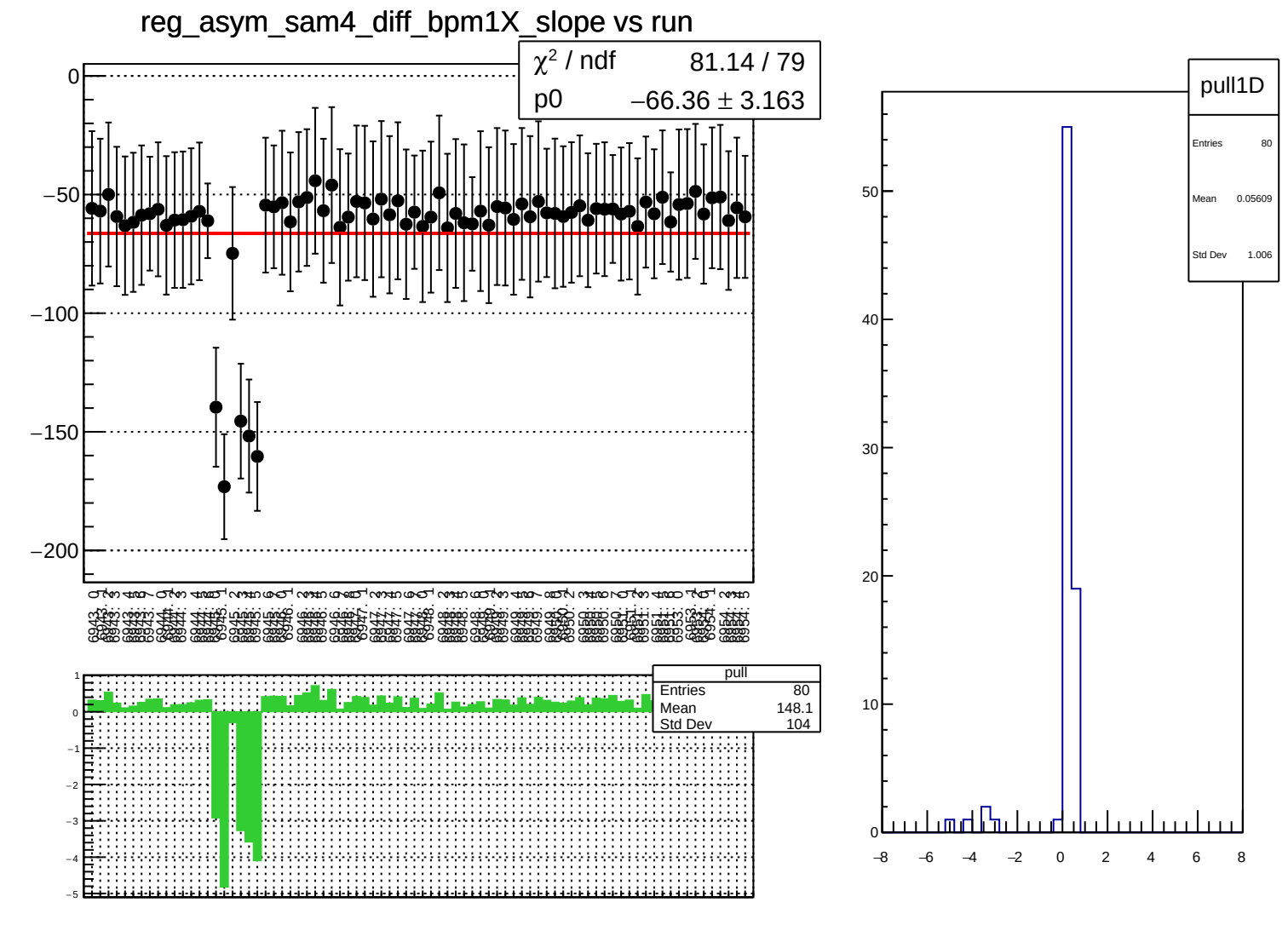

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 41.47 / 79
p0 −76.66 ± 1.414
pull
Entries 80
Mean 129.9
Std Dev 85.56
pull1D
Entries 80
Mean −0.05131
Std Dev 0.7182

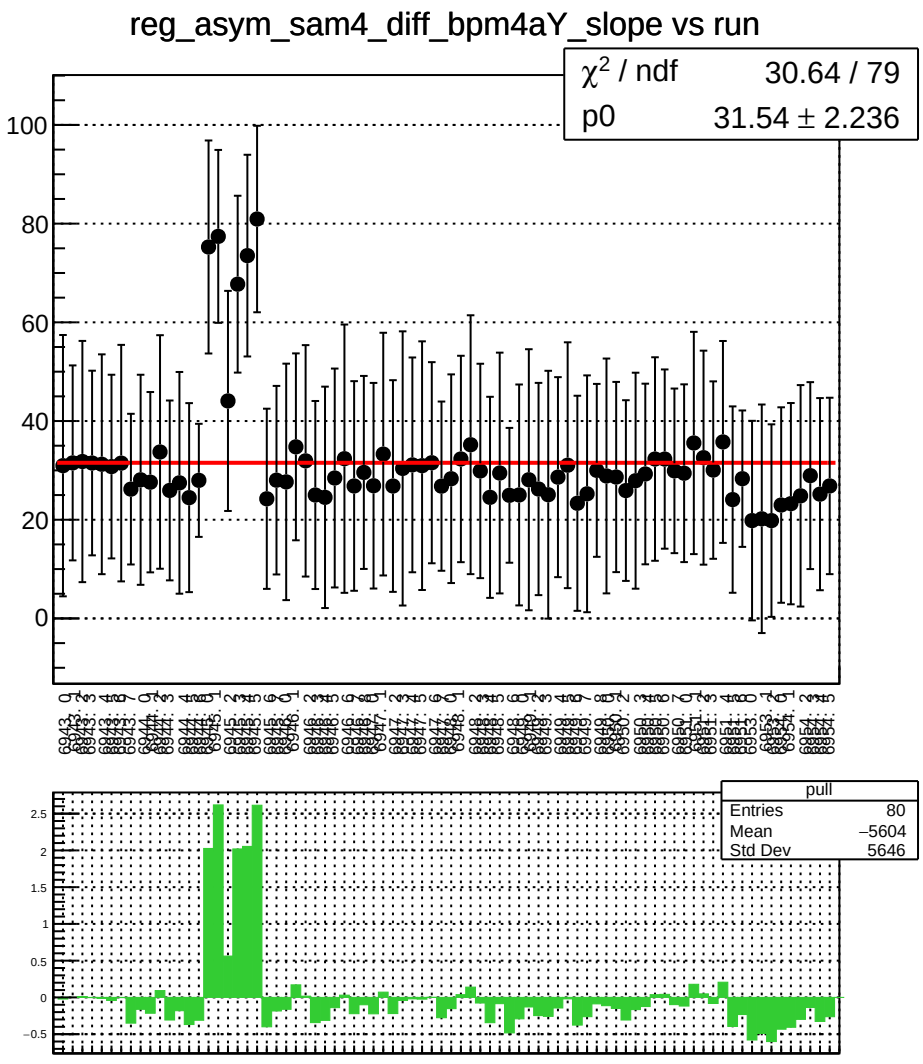

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 21.77 / 79
p0 28.12 ± 1.23
pull
Entries 80
Mean 402.8
Std Dev 361.7

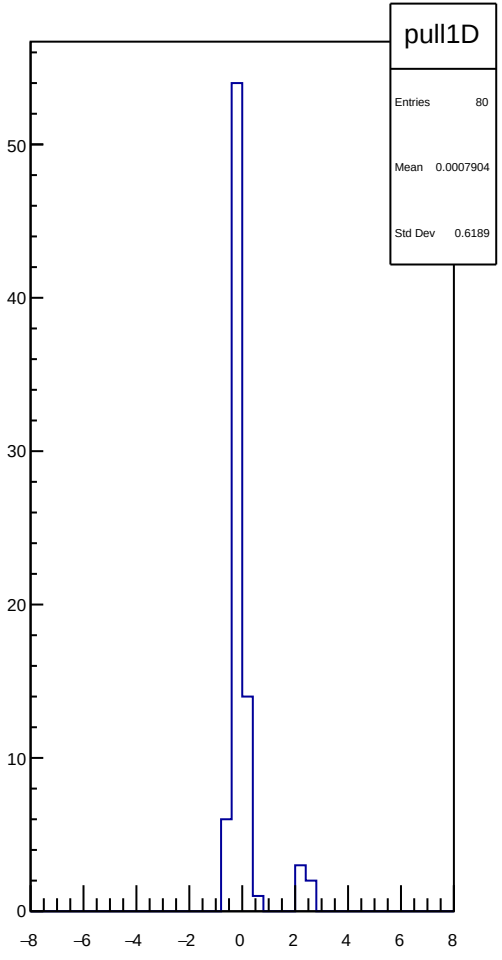

pull1D
Entries 80
Mean 0.01213
Std Dev 0.5216

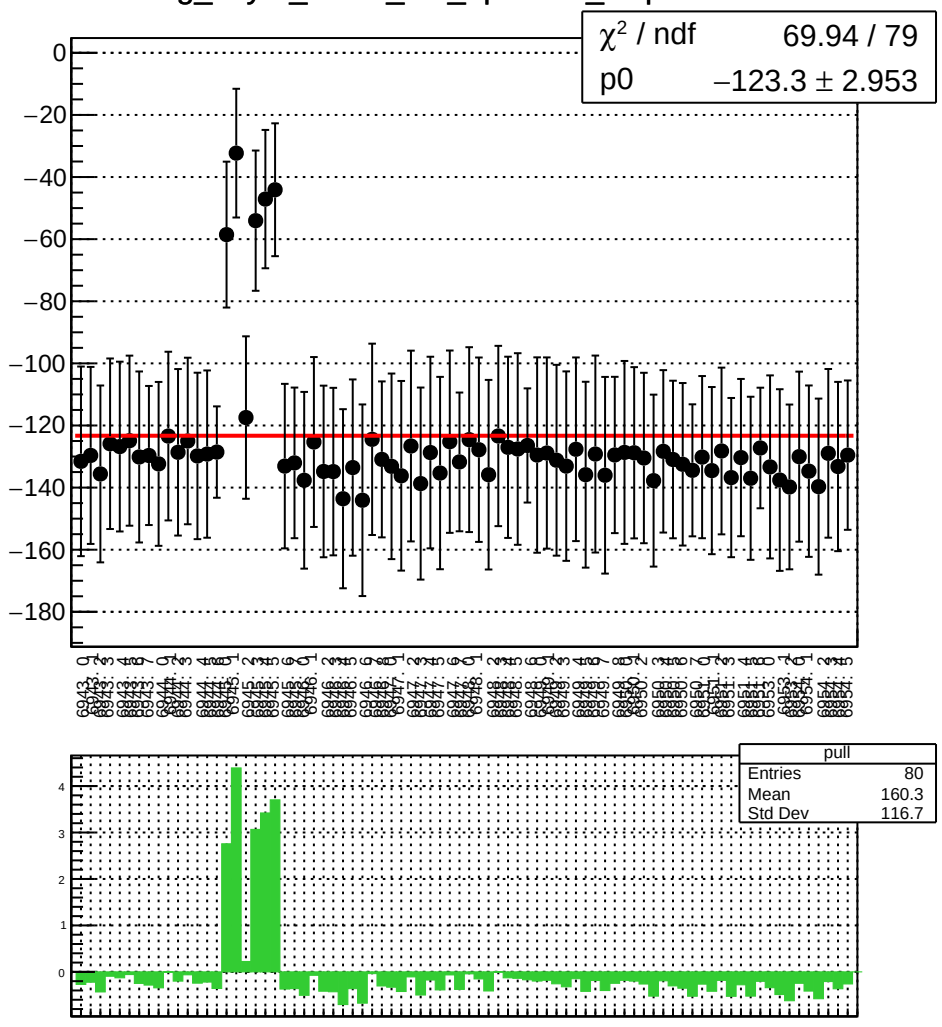

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.78 / 79
p0 0.03043 ± 0.04891
pull
Entries 80
Mean −418.1
Std Dev 460.6

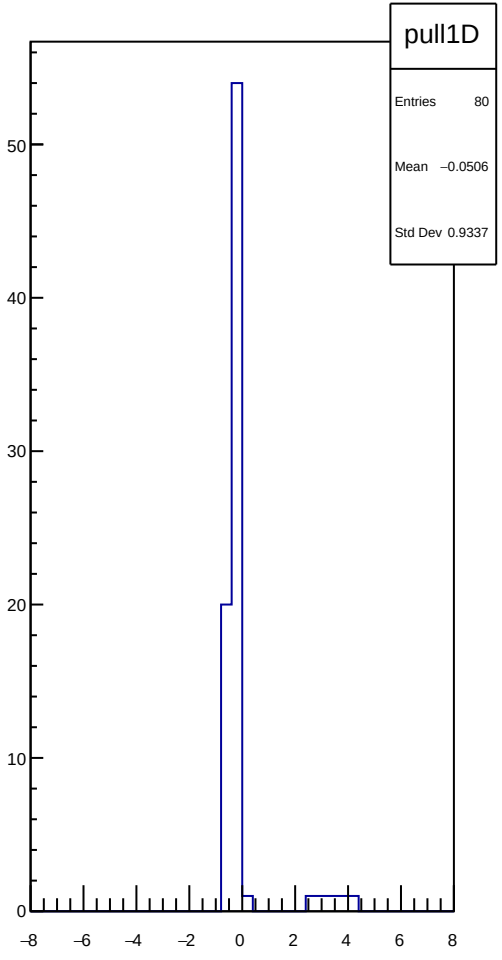

pull1D
Entries 80
Mean −0.002539
Std Dev 0.1864

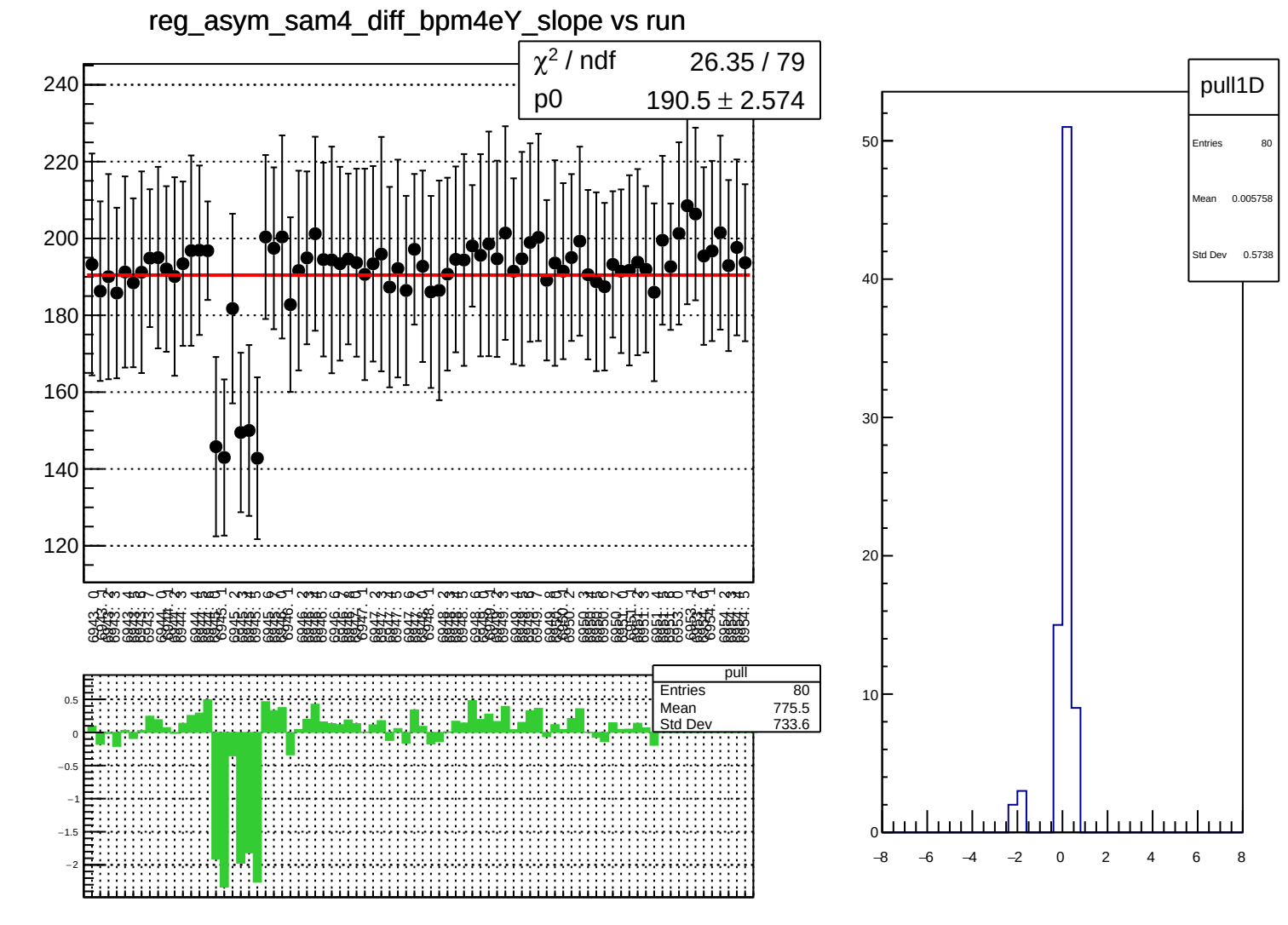

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 81.14 / 79
p0 −66.36 ± 3.163
pull
Entries 80
Mean 148.1
Std Dev 104
pull1D
Entries 80
Mean 0.05609
Std Dev 1.006

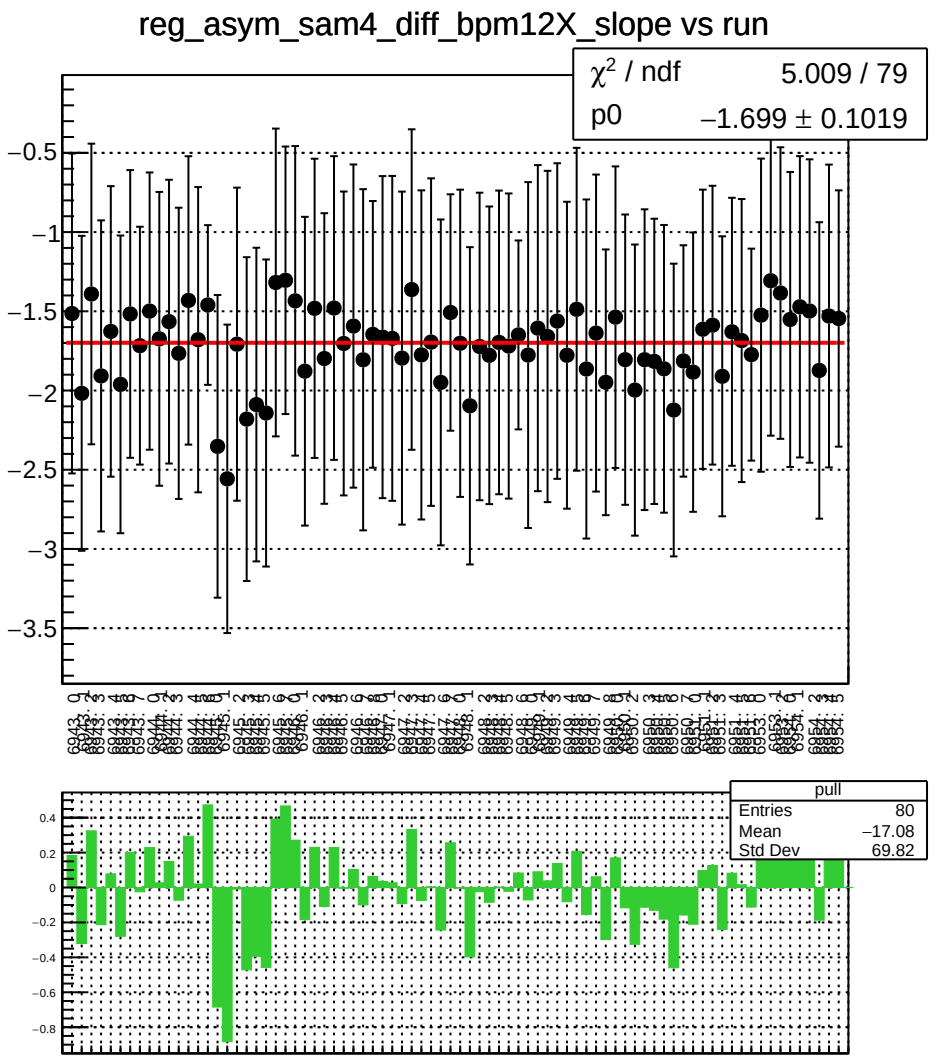

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 30.64 / 79
p0 31.54 ± 2.236
pull
Entries 80
Mean −5604
Std Dev 5646

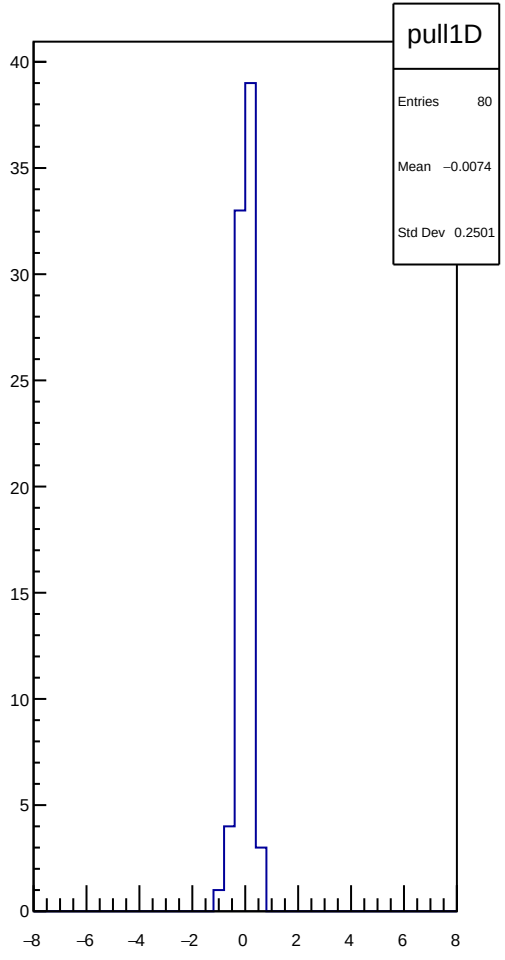

pull1D
Entries 80
Mean 0.0007904
Std Dev 0.6189

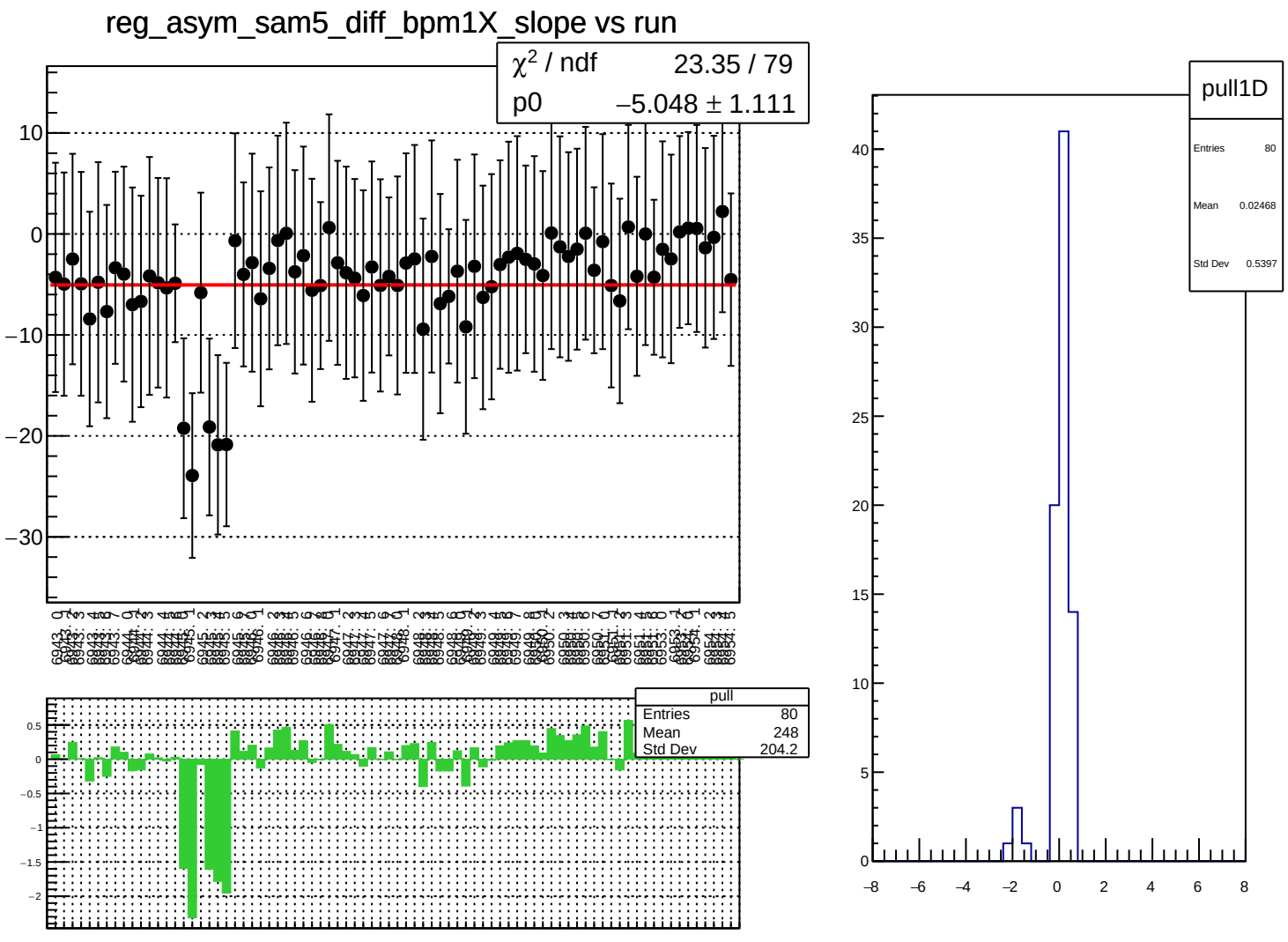

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 69.94 / 79
p0 −123.3 ± 2.953
pull
Entries 80
Mean 160.3
Std Dev 116.7

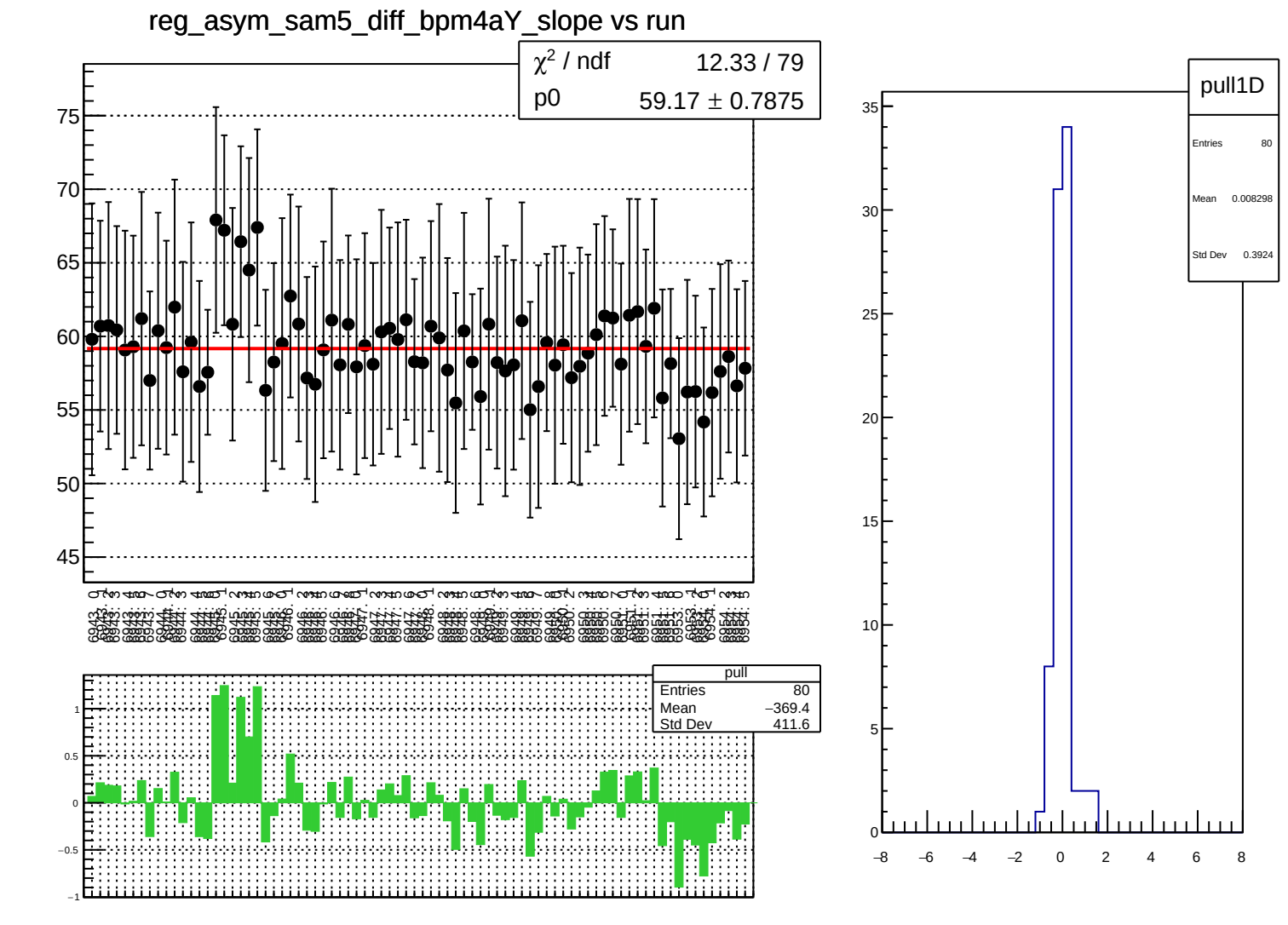

pull1D
Entries 80
Mean −0.0506
Std Dev 0.9337

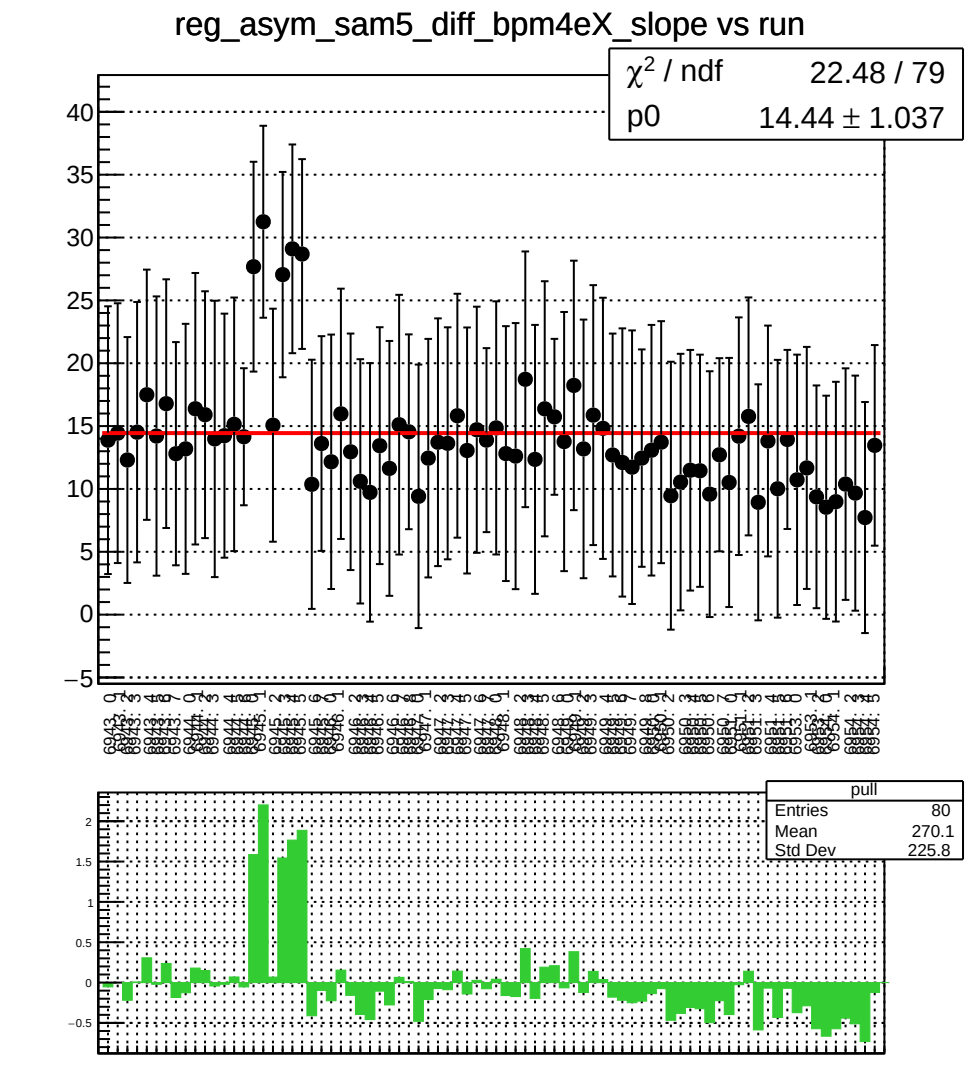

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 26.35 / 79
p0 190.5 ± 2.574
240
220
200
180
160
140
120
pull
Entries 80
Mean 775.5
Std Dev 733.6
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.005758
Std Dev 0.5738
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

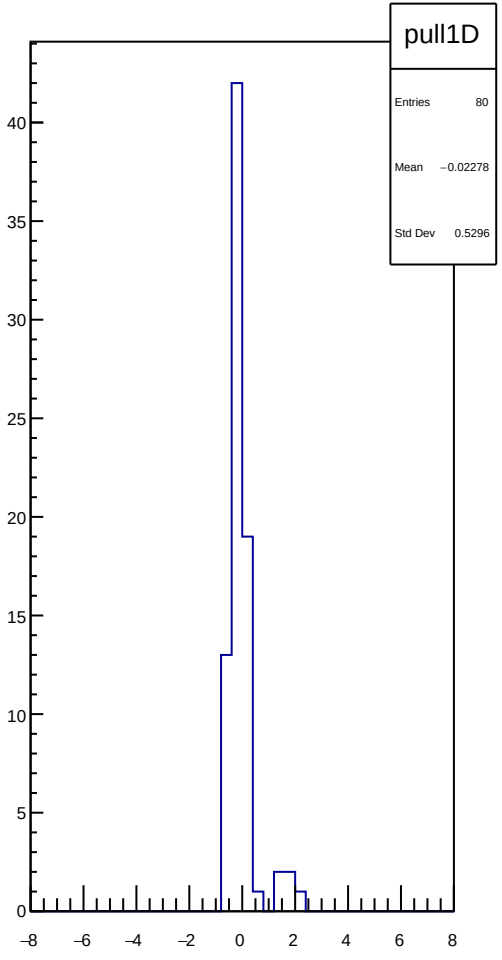

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 5.009 / 79
p0 −1.699 ± 0.1019
pull
Entries 80
Mean −17.08
Std Dev 69.82

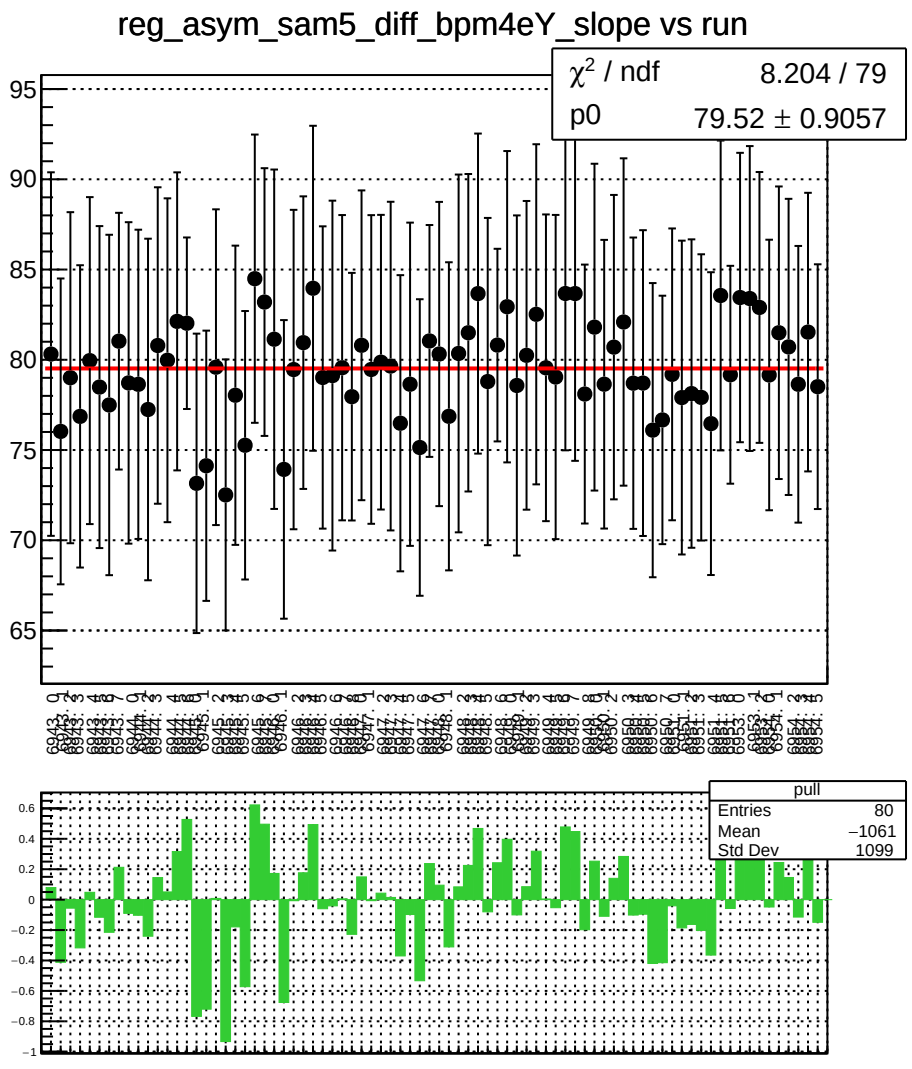

pull1D
Entries 80
Mean −0.0074
Std Dev 0.2501

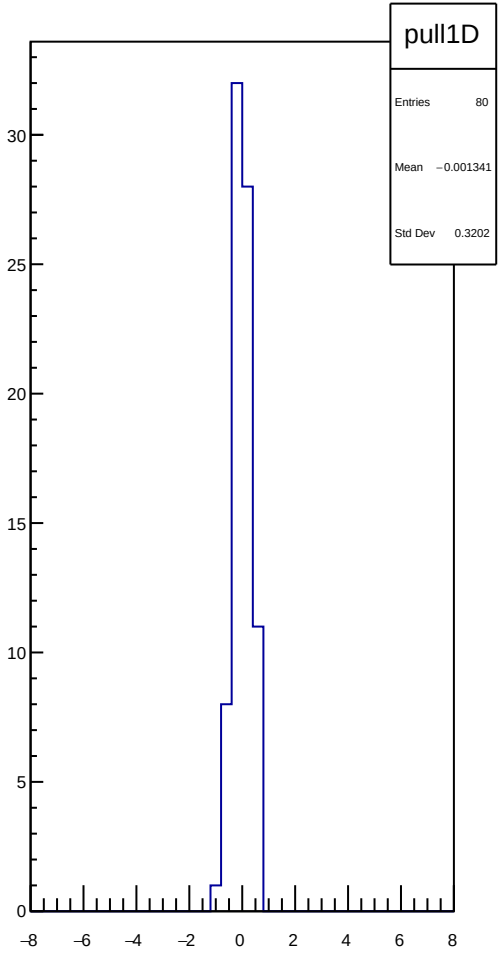

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 23.35 / 79
p0 −5.048 ± 1.111
pull
Entries 80
Mean 248
Std Dev 204.2
pull1D
Entries 80
Mean 0.02468
Std Dev 0.5397

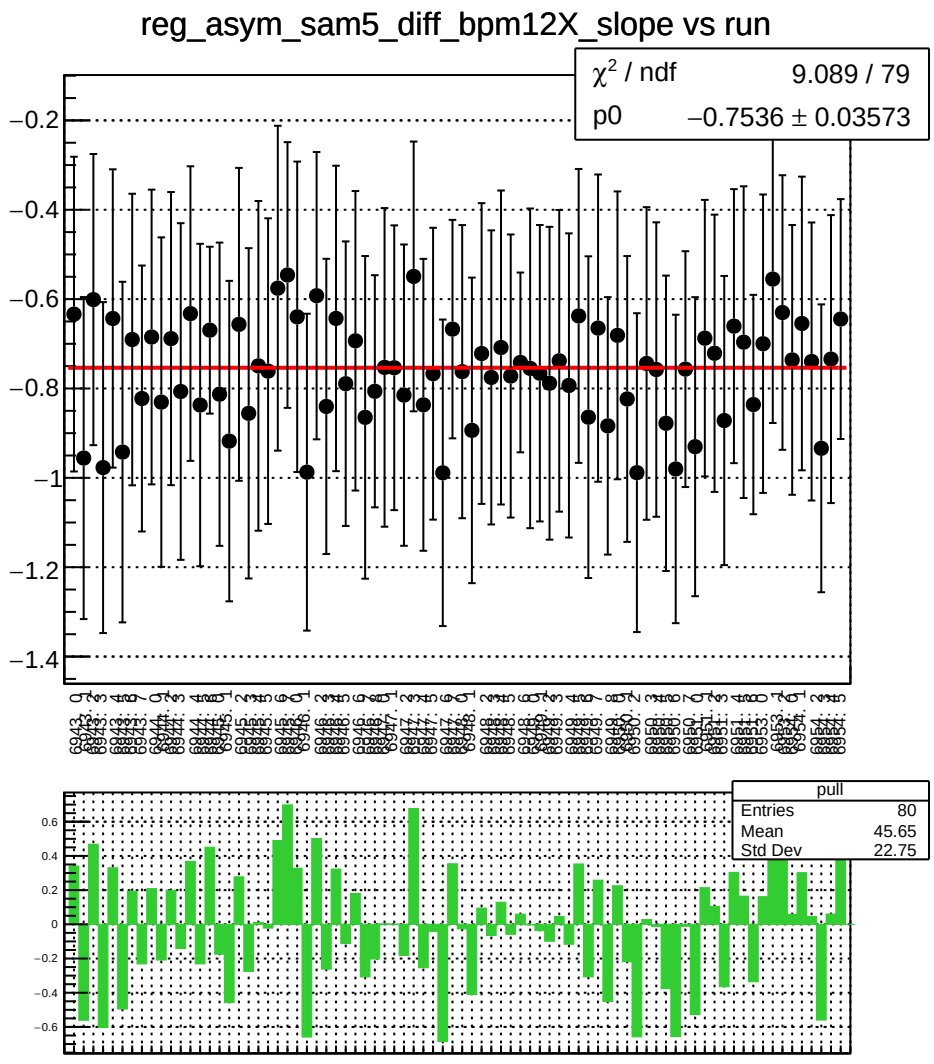

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 12.33 / 79
p0 59.17 ± 0.7875
pull
Entries 80
Mean −369.4
Std Dev 411.6
pull1D
Entries 80
Mean 0.008298
Std Dev 0.3924

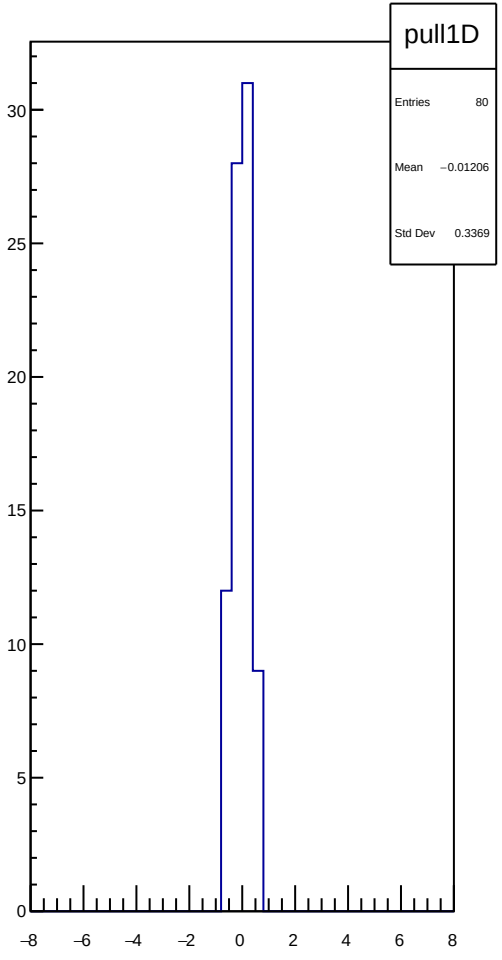

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 22.48 / 79
p0 14.44 ± 1.037
pull
Entries 80
Mean 270.1
Std Dev 225.8

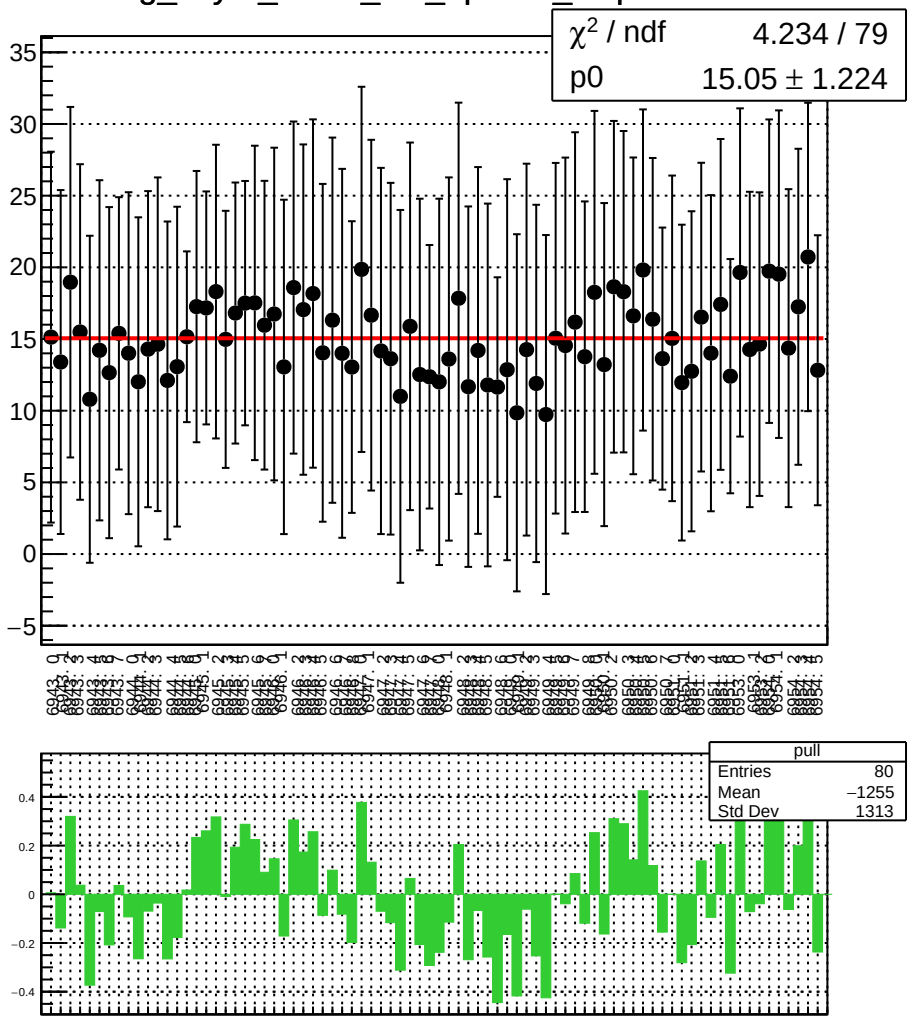

pull1D
Entries 80
Mean −0.02278
Std Dev 0.5296

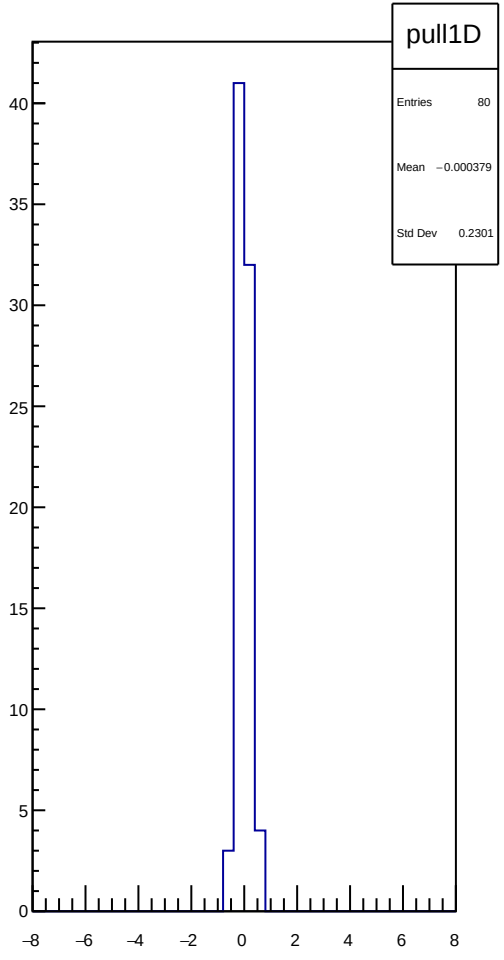

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 8.204 / 79
p0 79.52 ± 0.9057
pull
Entries 80
Mean −1061
Std Dev 1099

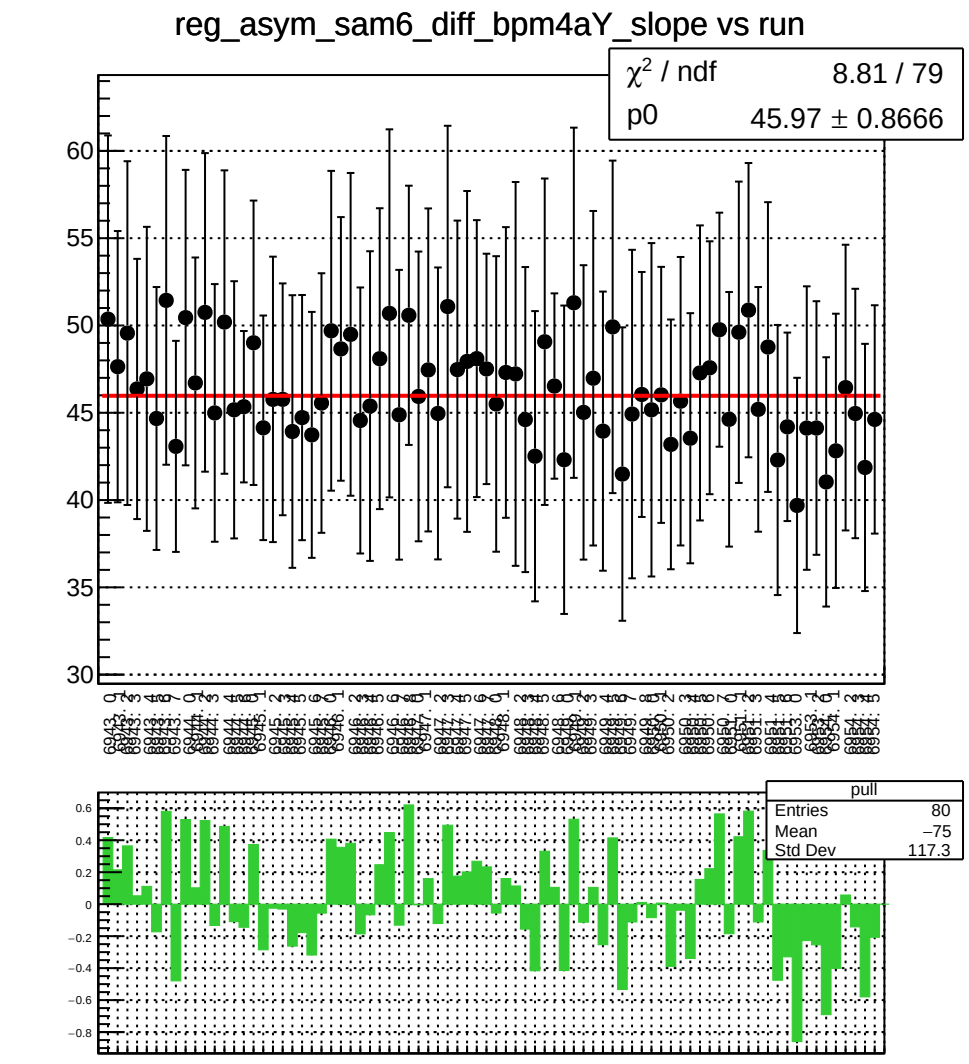

pull1D
Entries 80
Mean −0.001341
Std Dev 0.3202

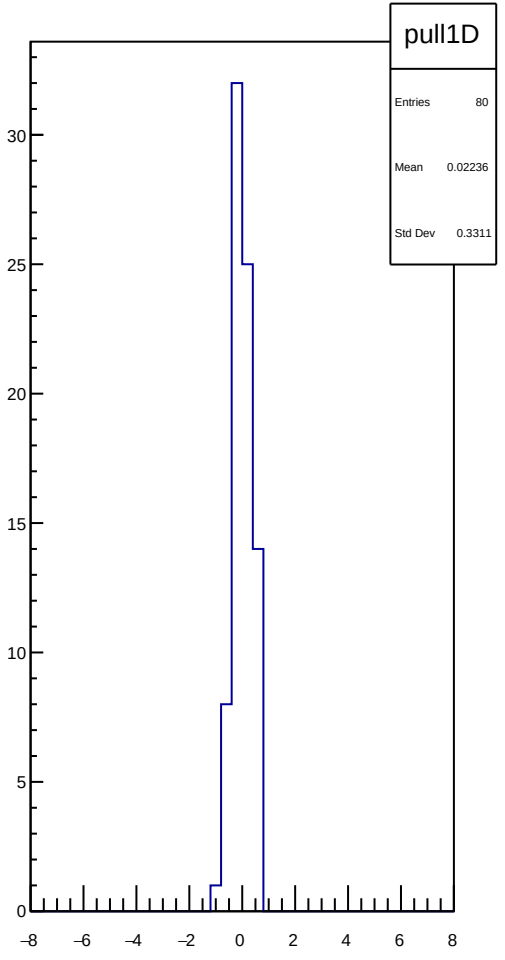

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 9.089 / 79
p0 −0.7536 ± 0.03573
pull
Entries 80
Mean 45.65
Std Dev 22.75

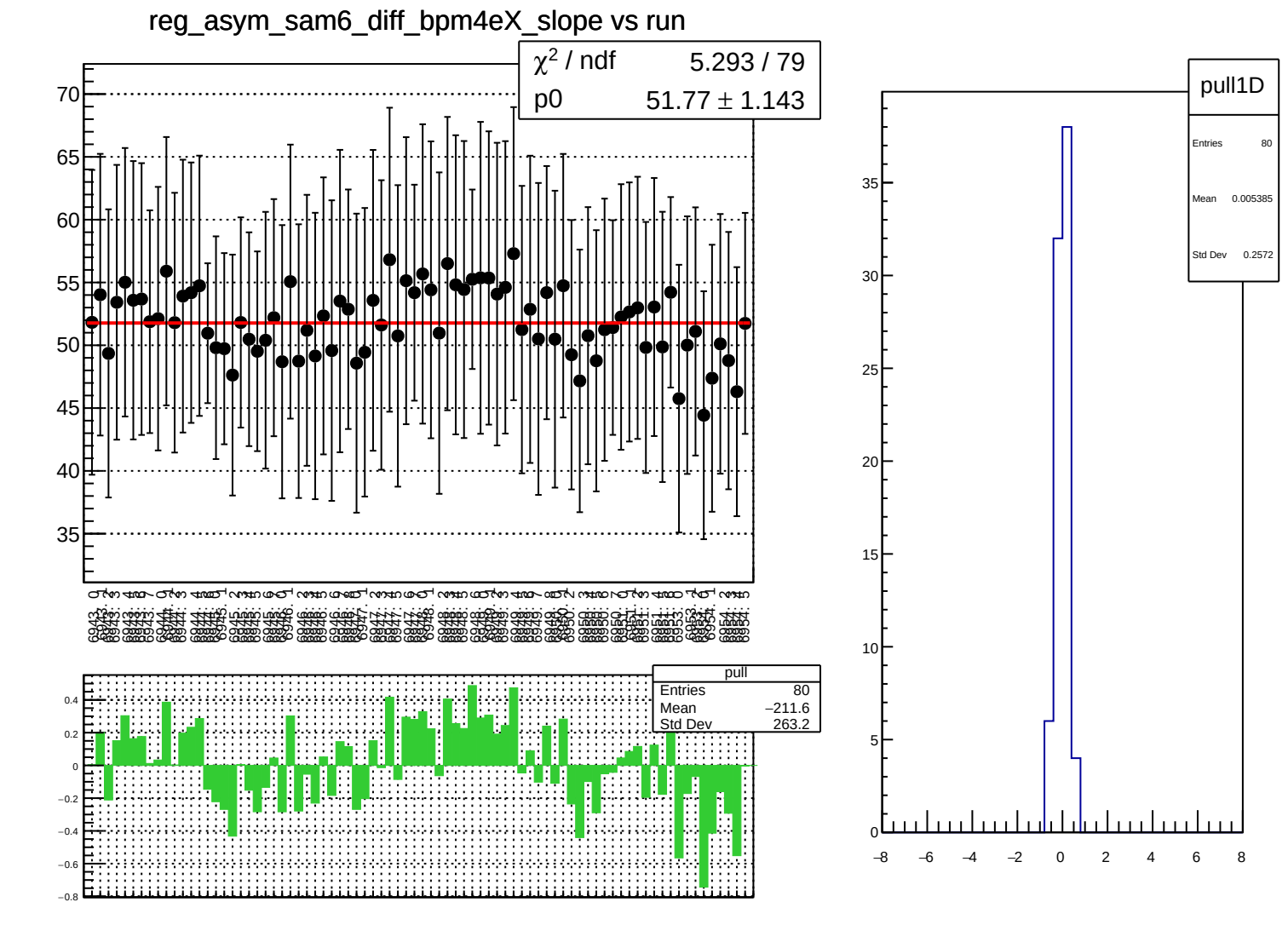

pull1D
Entries 80
Mean −0.01206
Std Dev 0.3369

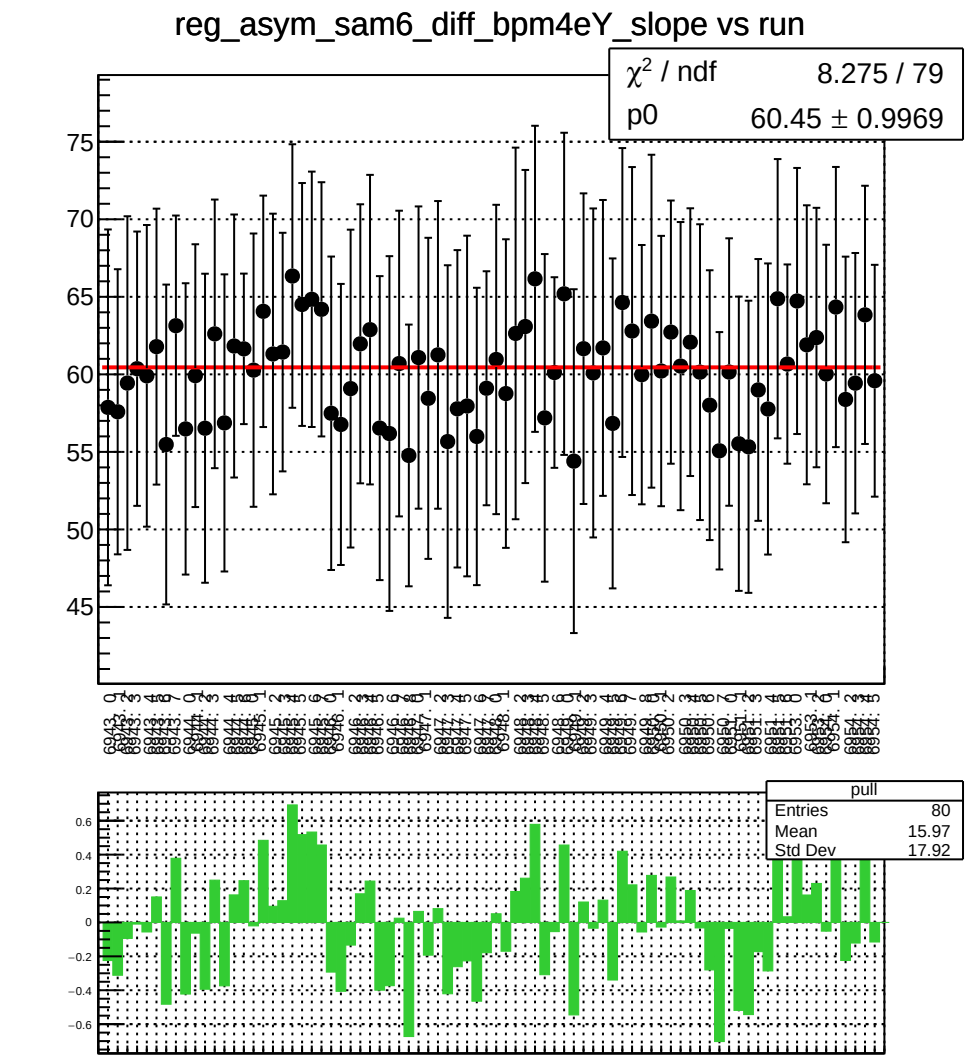

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 4.234 / 79
p0 15.05 ± 1.224
pull
Entries 80
Mean −1255
Std Dev 1313

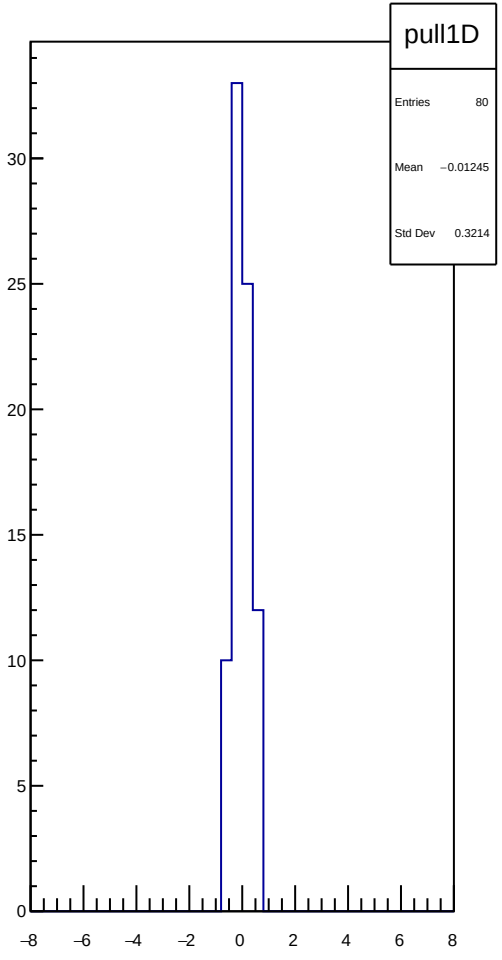

pull1D
Entries 80
Mean −0.000379
Std Dev 0.2301

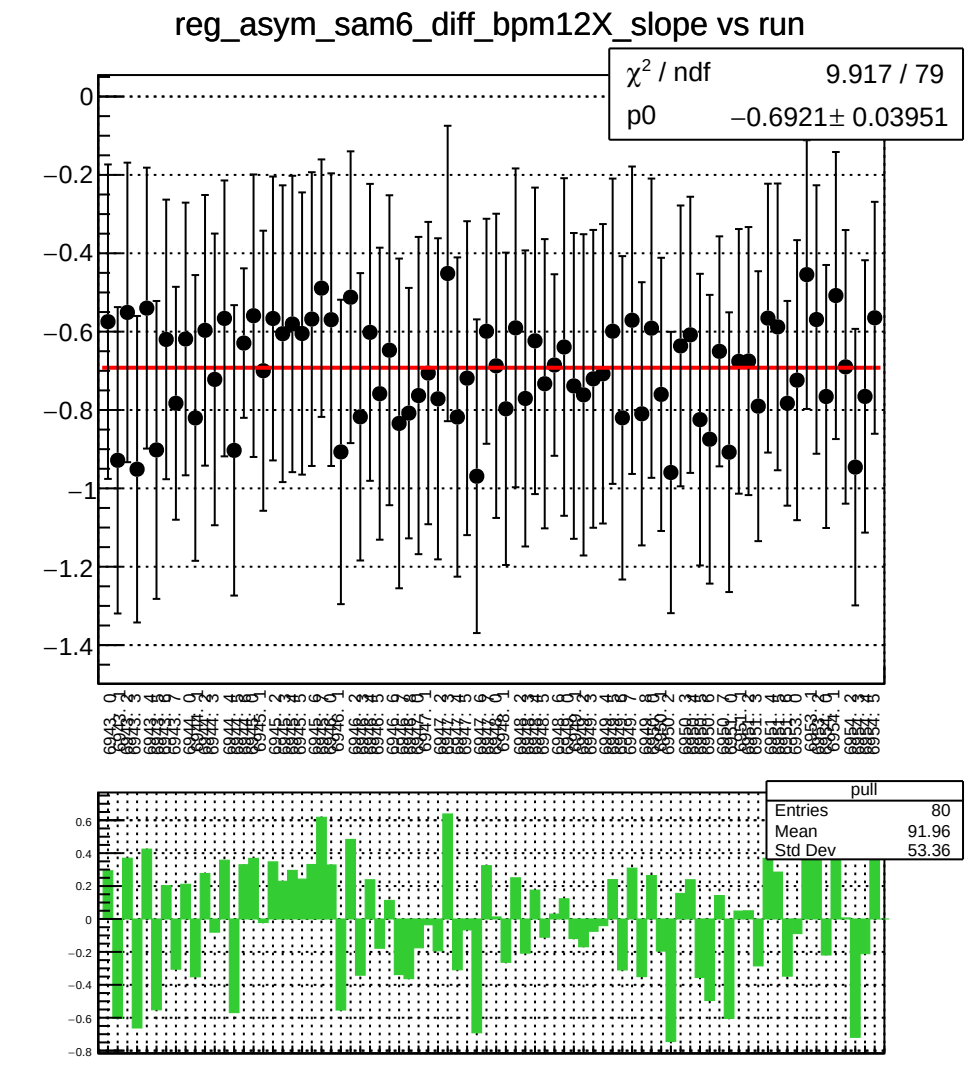

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 8.81 / 79
p0 45.97 ± 0.8666
pull
Entries 80
Mean −75
Std Dev 117.3

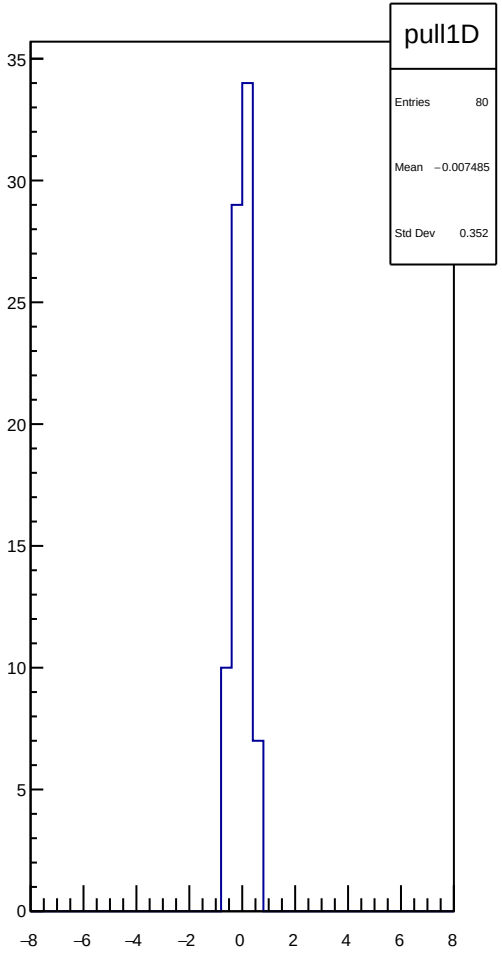

pull1D
Entries 80
Mean 0.02236
Std Dev 0.3311

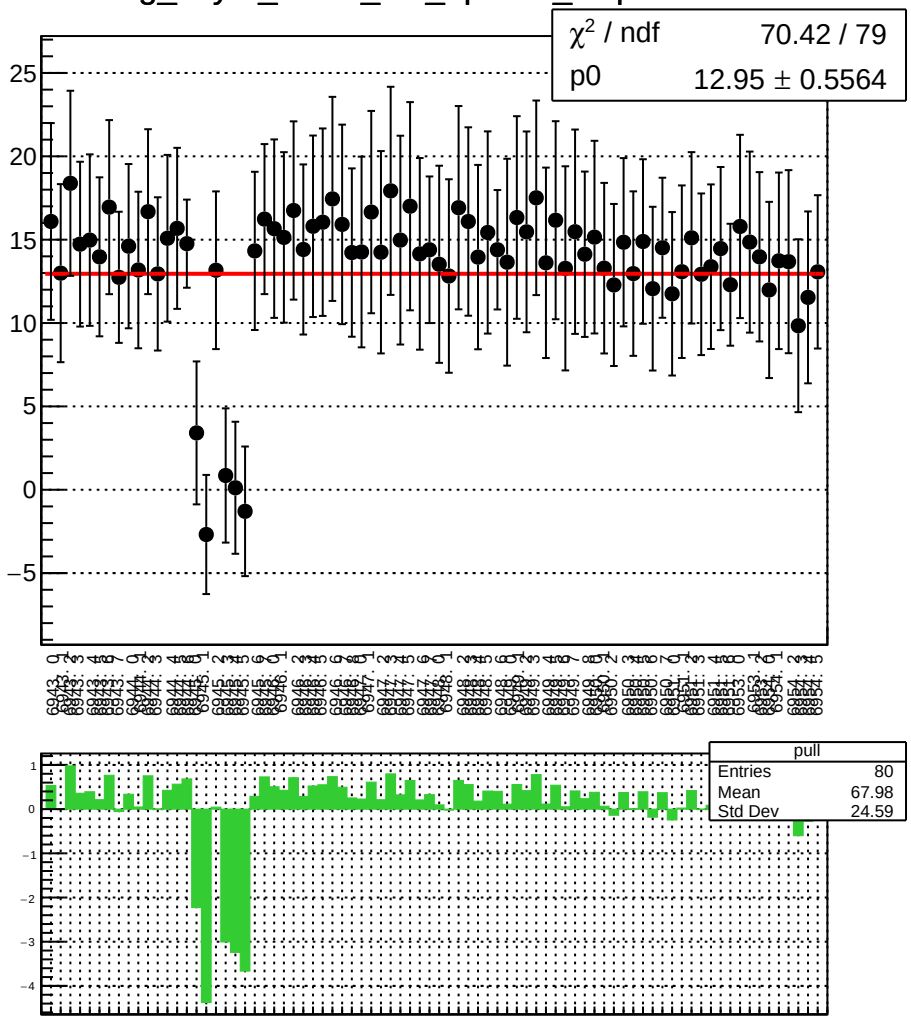

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.293 / 79
p0 51.77 ± 1.143
pull
Entries 80
Mean −211.6
Std Dev 263.2
pull1D
Entries 80
Mean 0.005385
Std Dev 0.2572

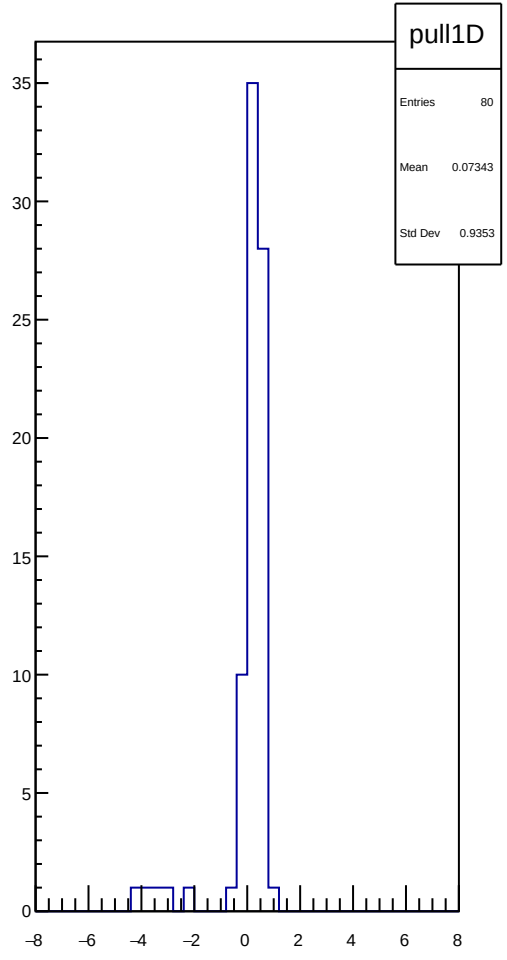

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 8.275 / 79
p0 60.45 ± 0.9969
pull
Entries 80
Mean 15.97
Std Dev 17.92

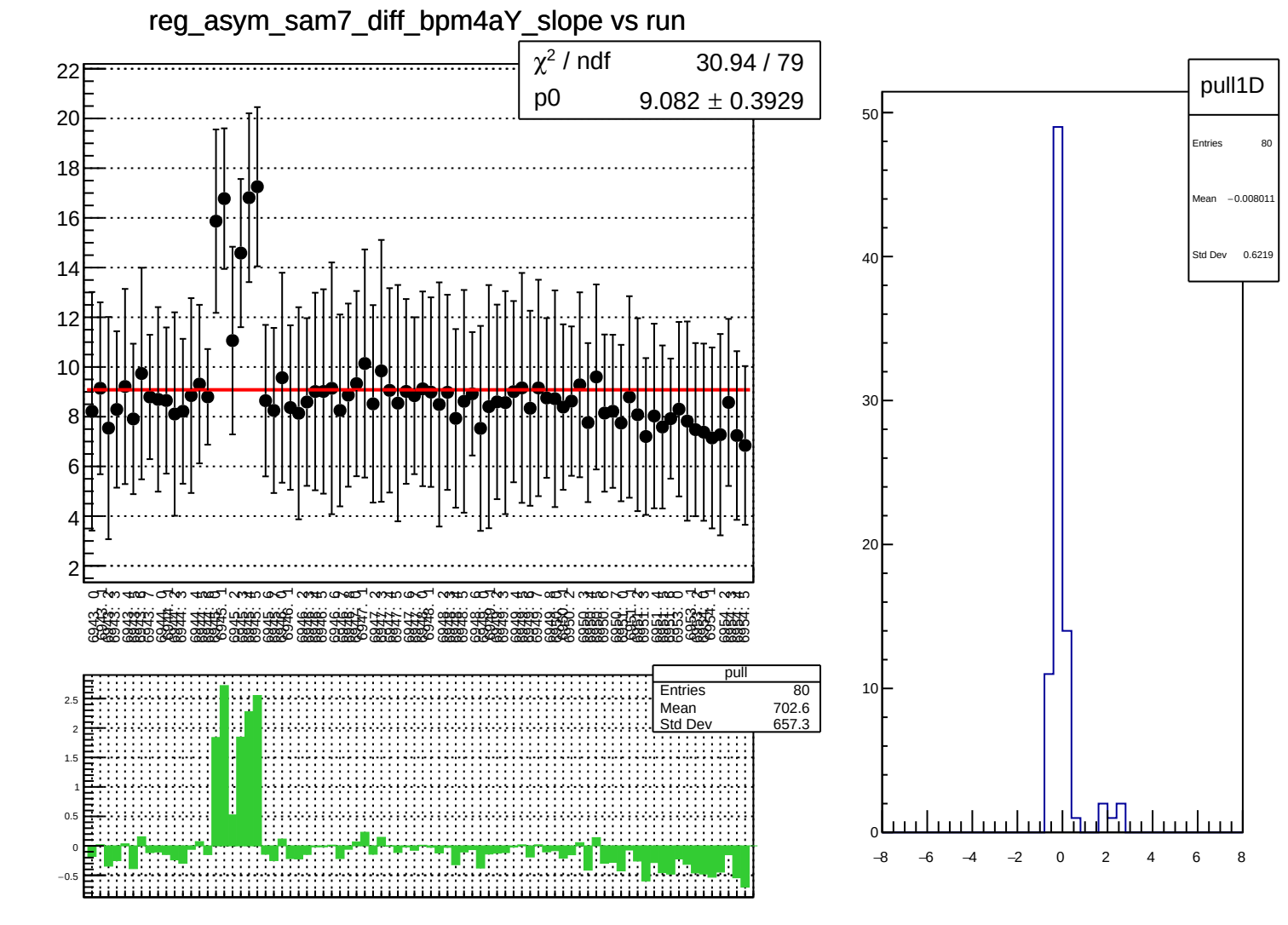

pull1D
Entries 80
Mean −0.01245
Std Dev 0.3214

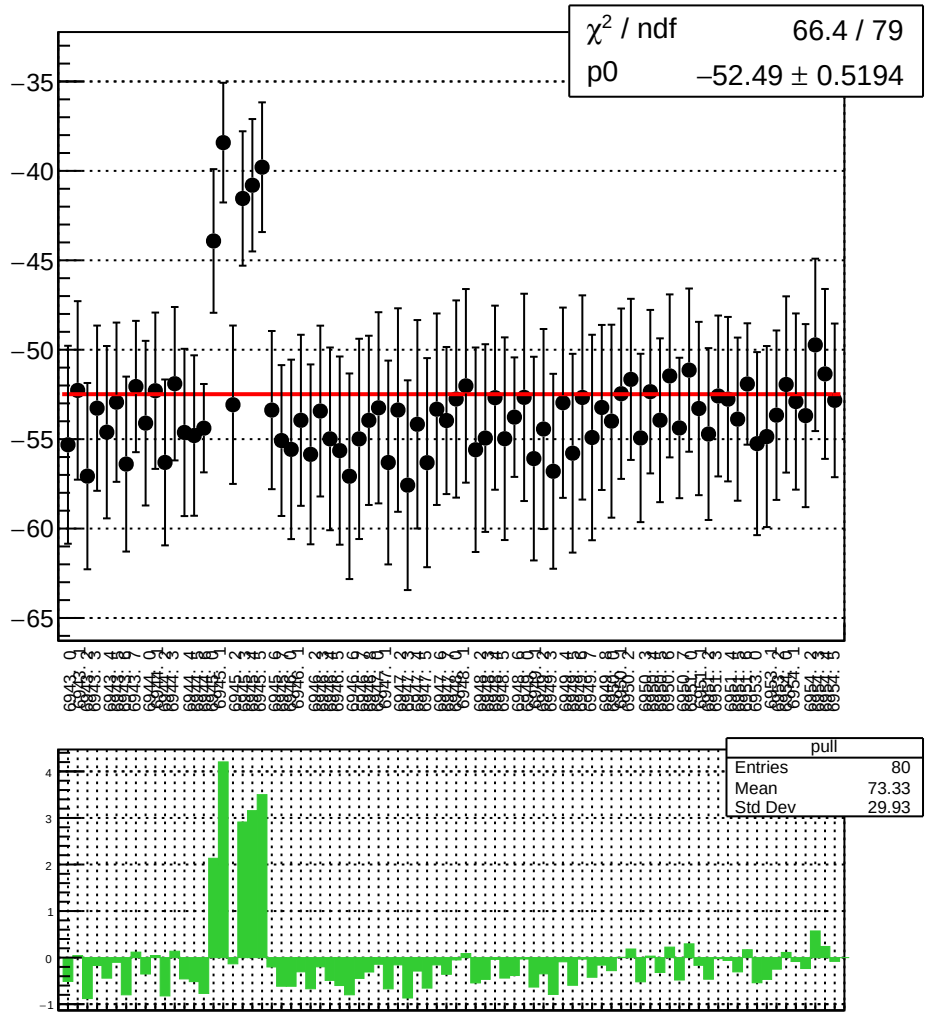

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 9.917 / 79
p0 −0.6921± 0.03951
pull
Entries 80
Mean 91.96
Std Dev 53.36

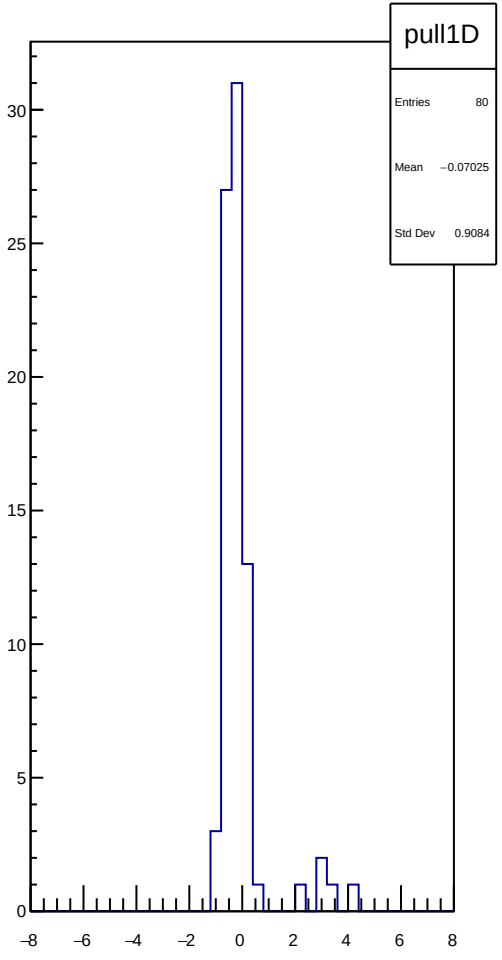

pull1D
Entries 80
Mean −0.007485
Std Dev 0.352

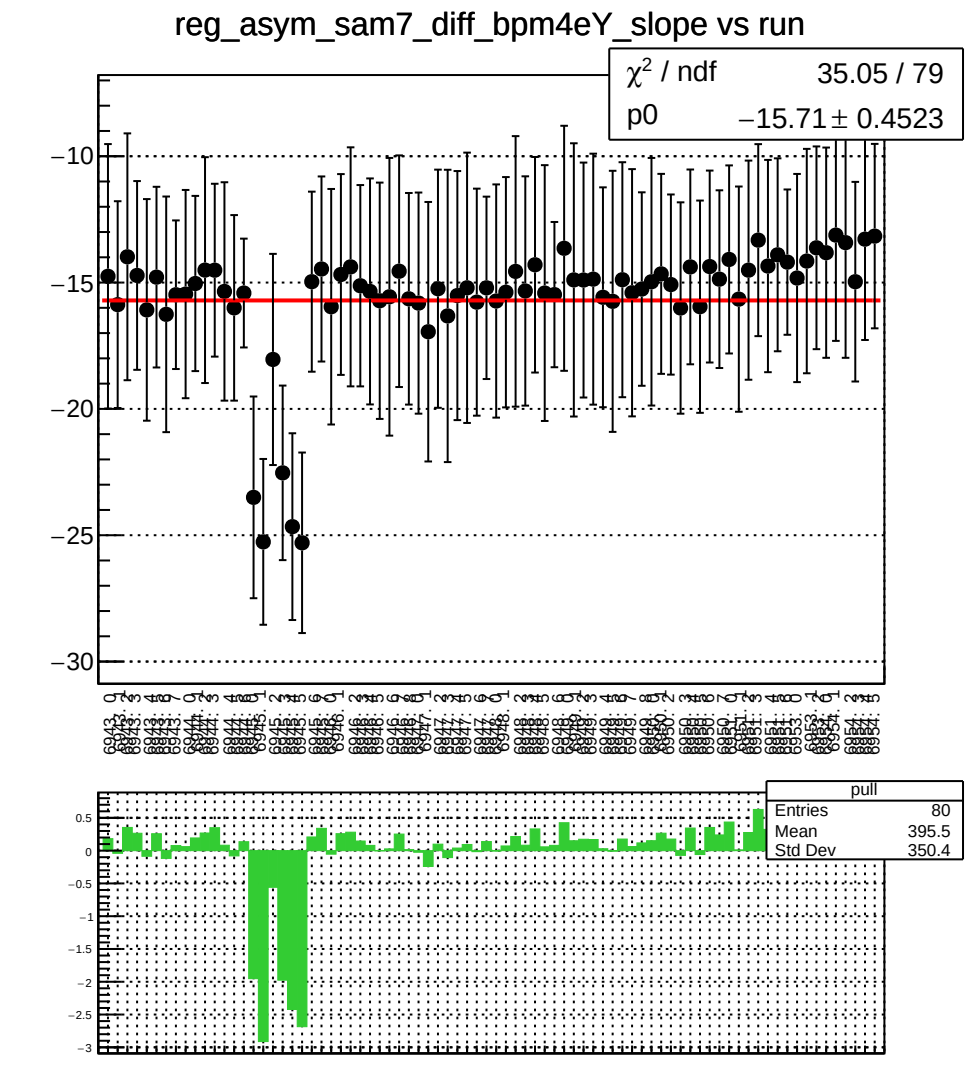

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 70.42 / 79
p0 12.95 ± 0.5564
pull
Entries 80
Mean 67.98
Std Dev 24.59

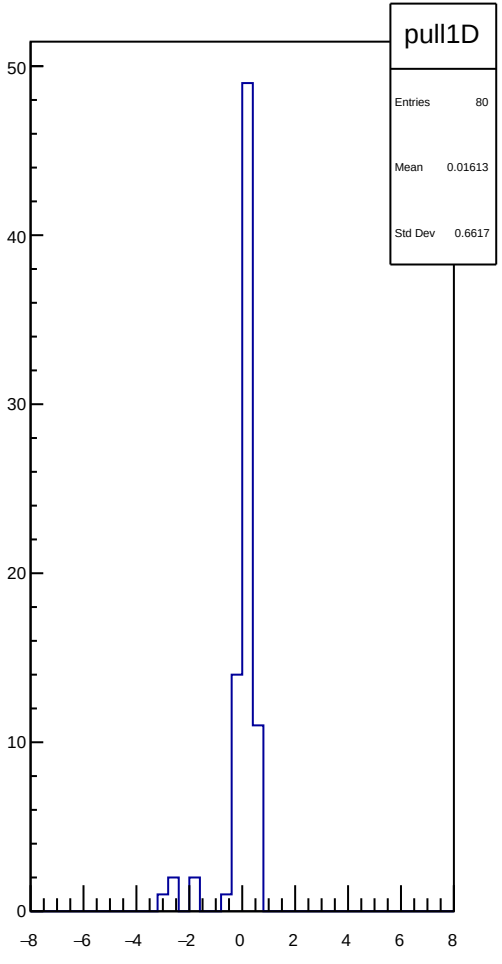

pull1D
Entries 80
Mean 0.07343
Std Dev 0.9353

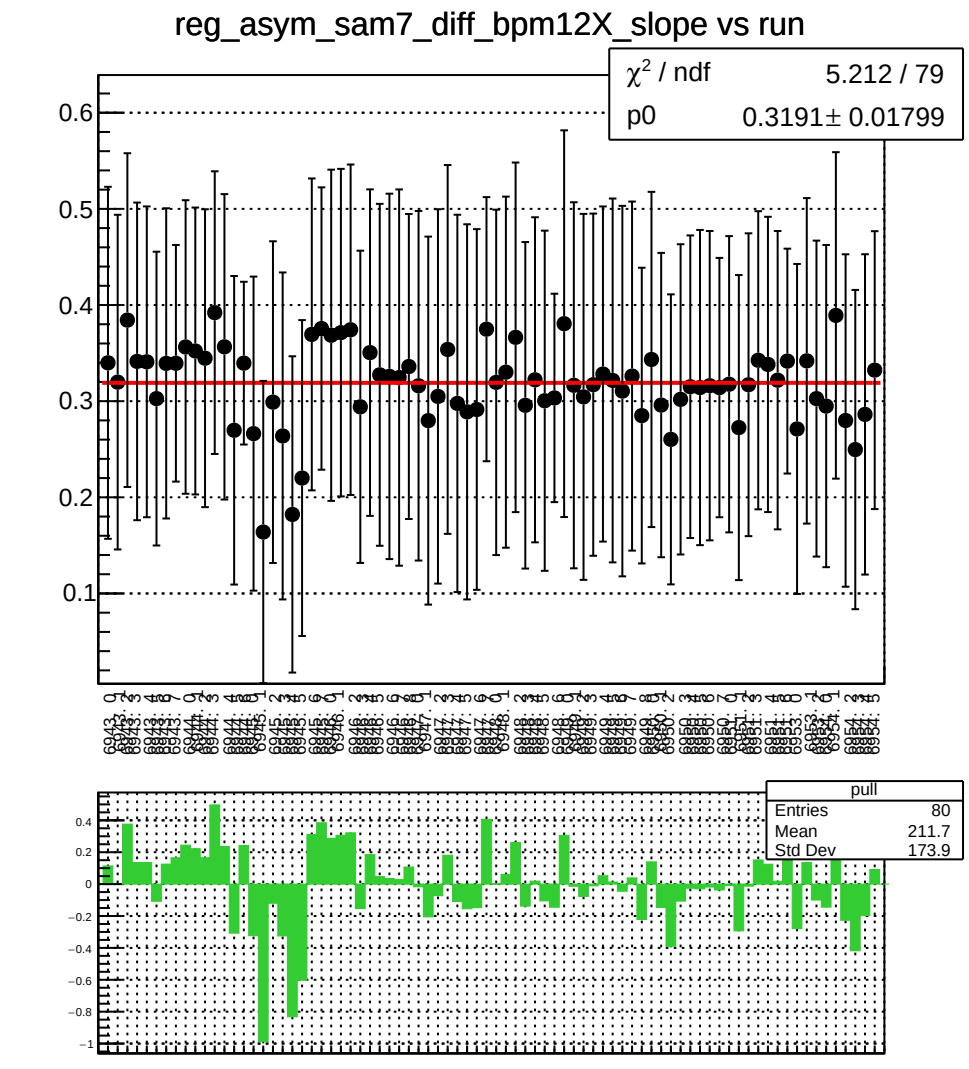

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 30.94 / 79
p0 9.082 ± 0.3929
pull
Entries 80
Mean 702.6
Std Dev 657.3
pull1D
Entries 80
Mean −0.008011
Std Dev 0.6219

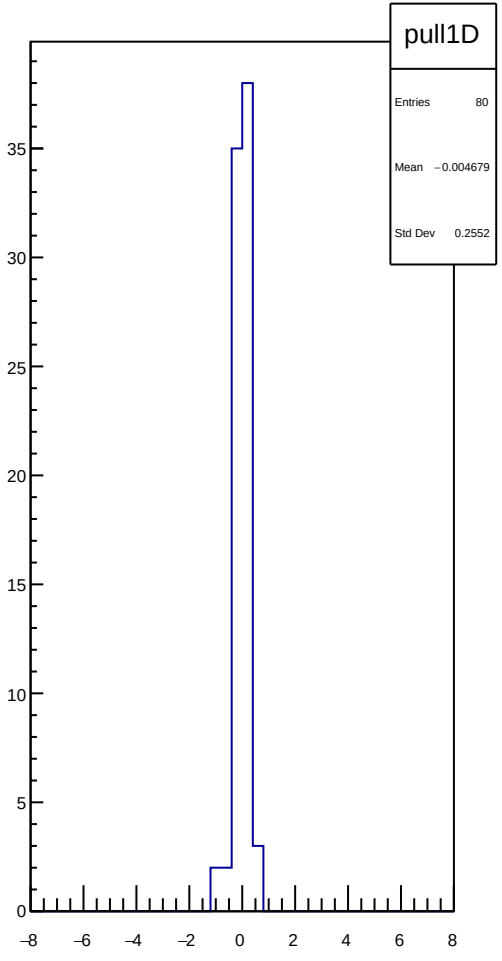

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 66.4 / 79
p0 −52.49 ± 0.5194
pull
Entries 80
Mean 73.33
Std Dev 29.93

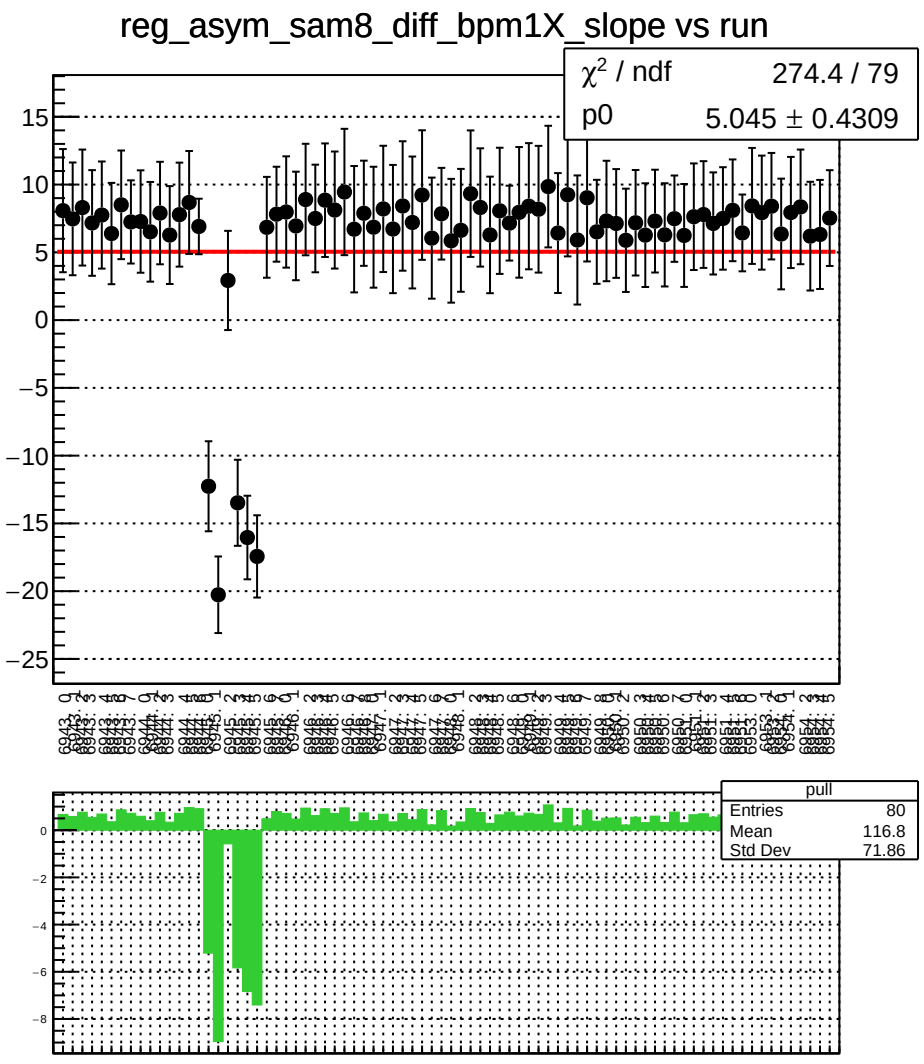

pull1D
Entries 80
Mean −0.07025
Std Dev 0.9084

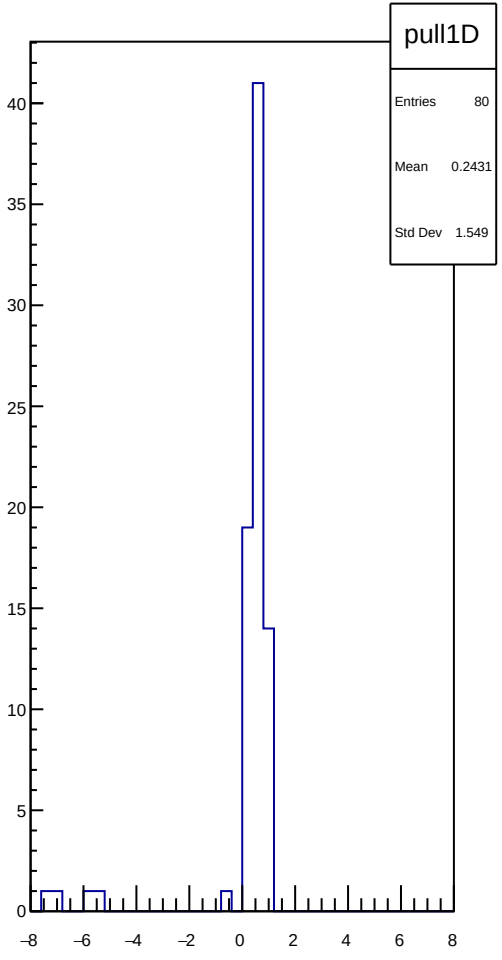

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 35.05 / 79
p0 −15.71 ± 0.4523
pull
Entries 80
Mean 395.5
Std Dev 350.4

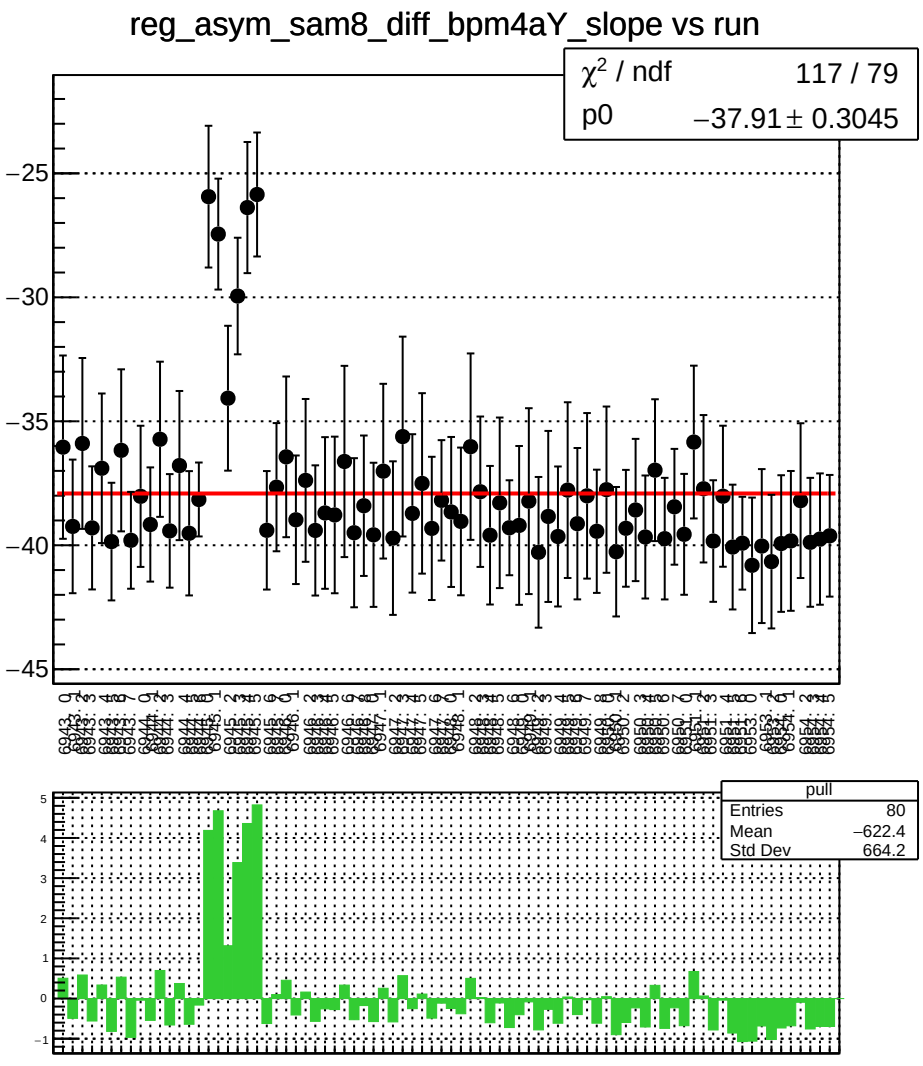

pull1D
Entries 80
Mean 0.01613
Std Dev 0.6617

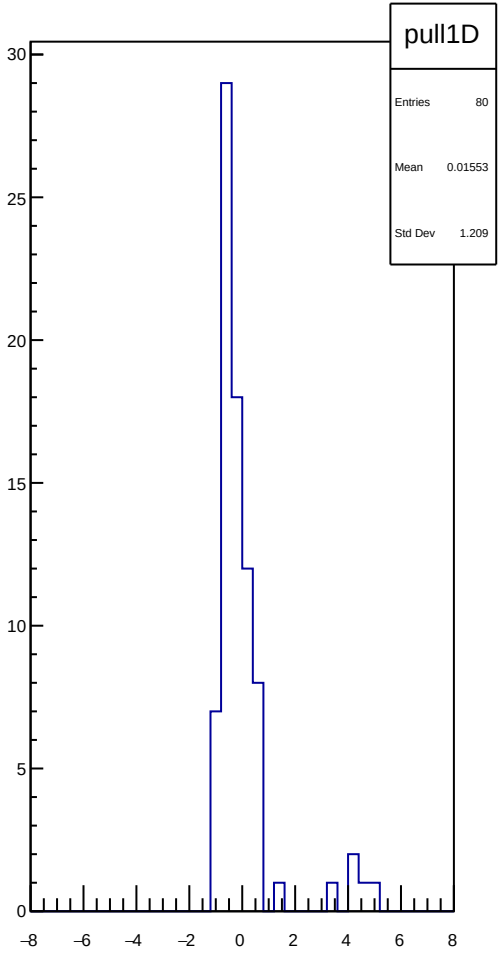

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 5.212 / 79
p0 0.3191± 0.01799
pull
Entries 80
Mean 211.7
Std Dev 173.9

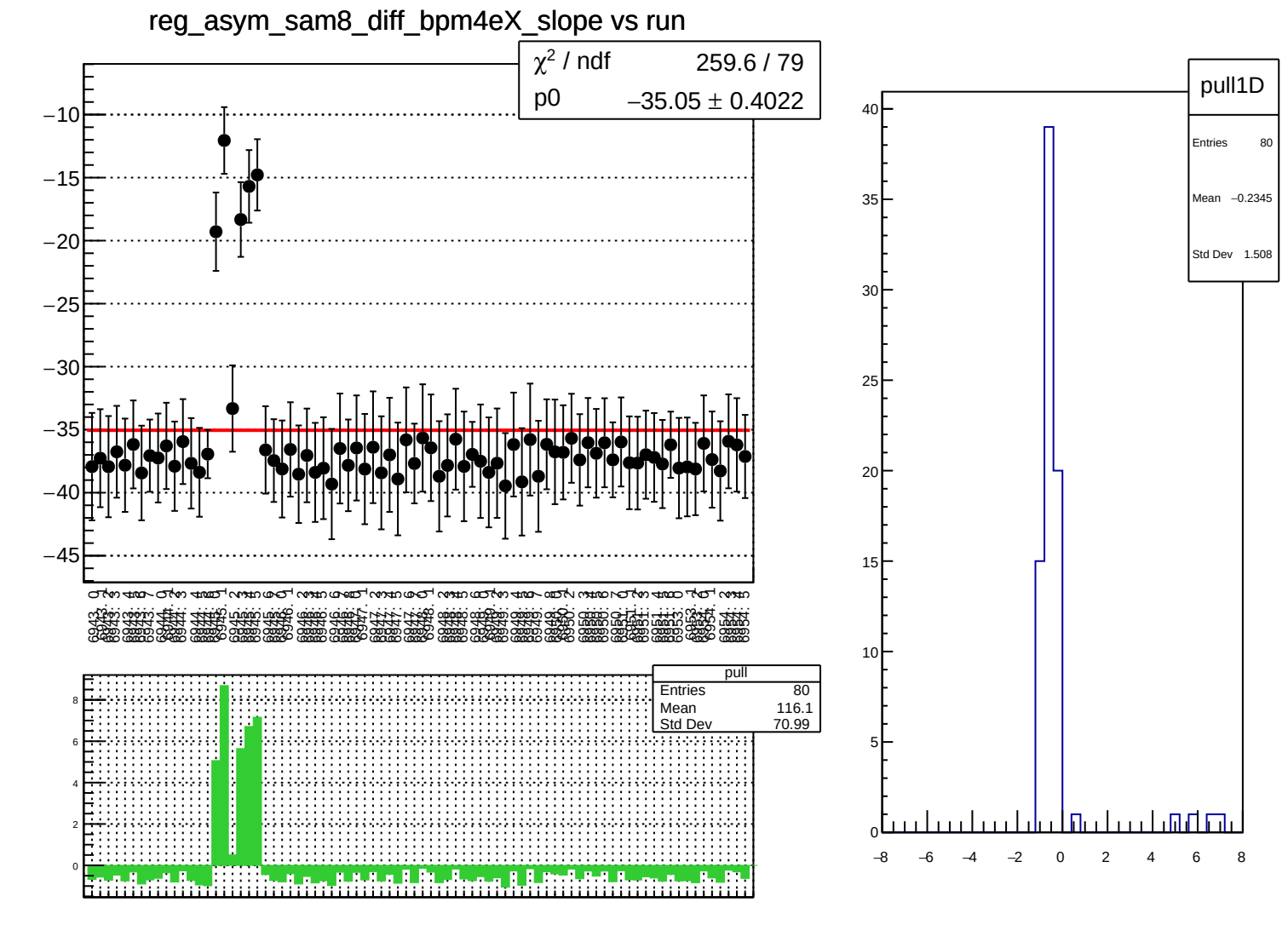

pull1D
Entries 80
Mean −0.004679
Std Dev 0.2552

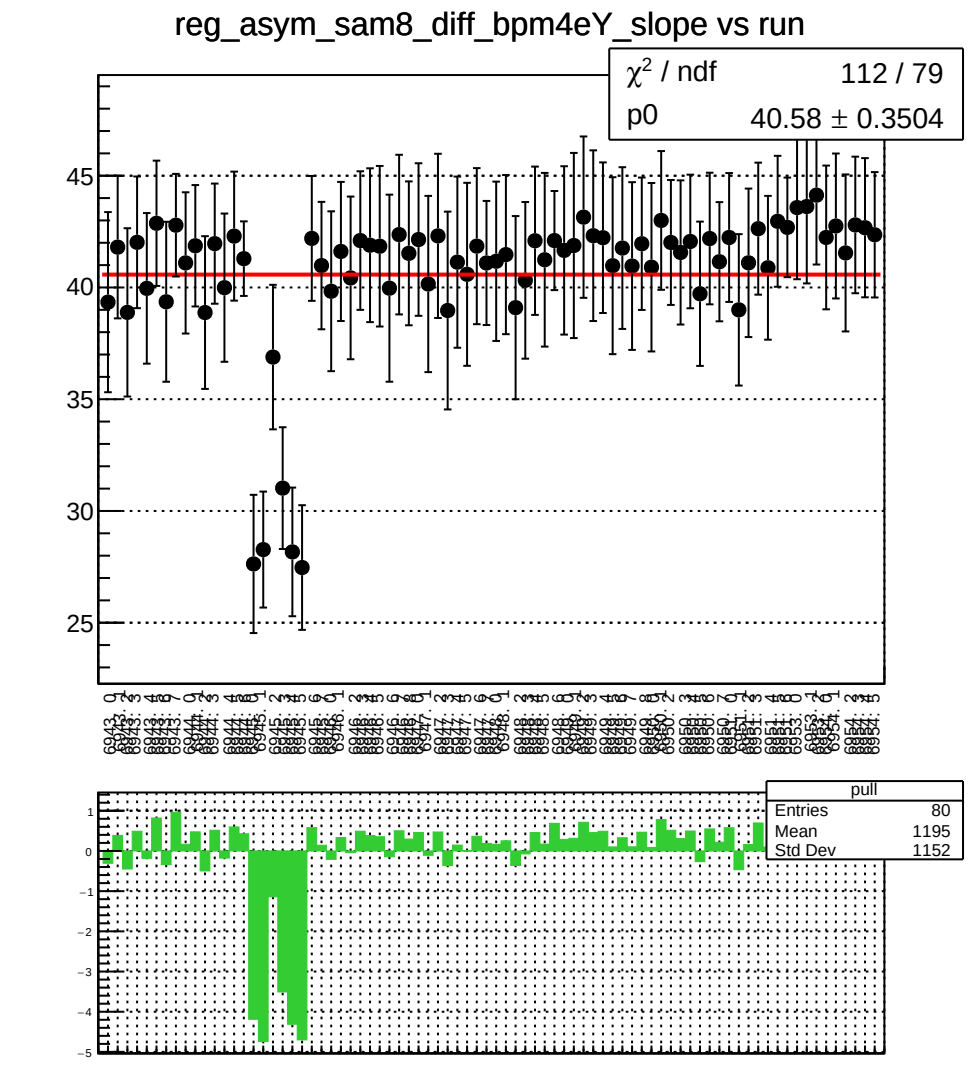

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 274.4 / 79
p0 5.045 ± 0.4309
pull
Entries 80
Mean 116.8
Std Dev 71.86

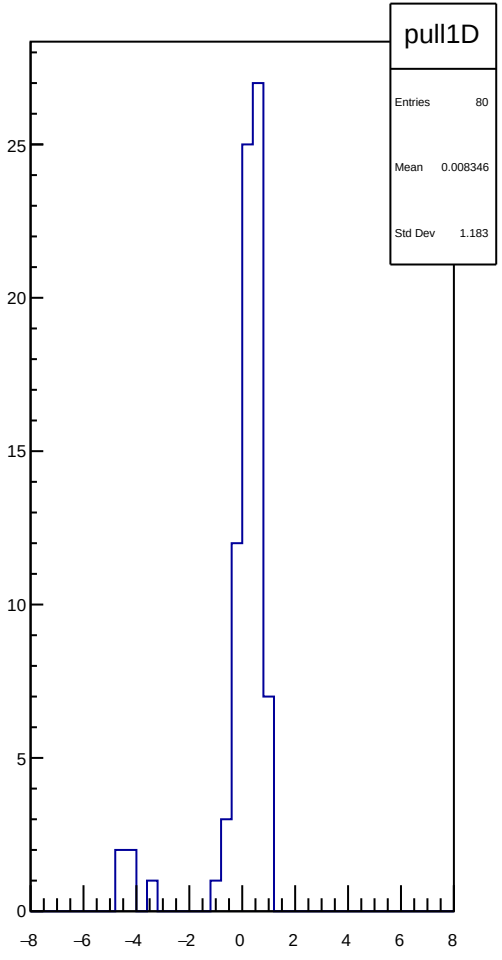

pull1D
Entries 80
Mean 0.2431
Std Dev 1.549

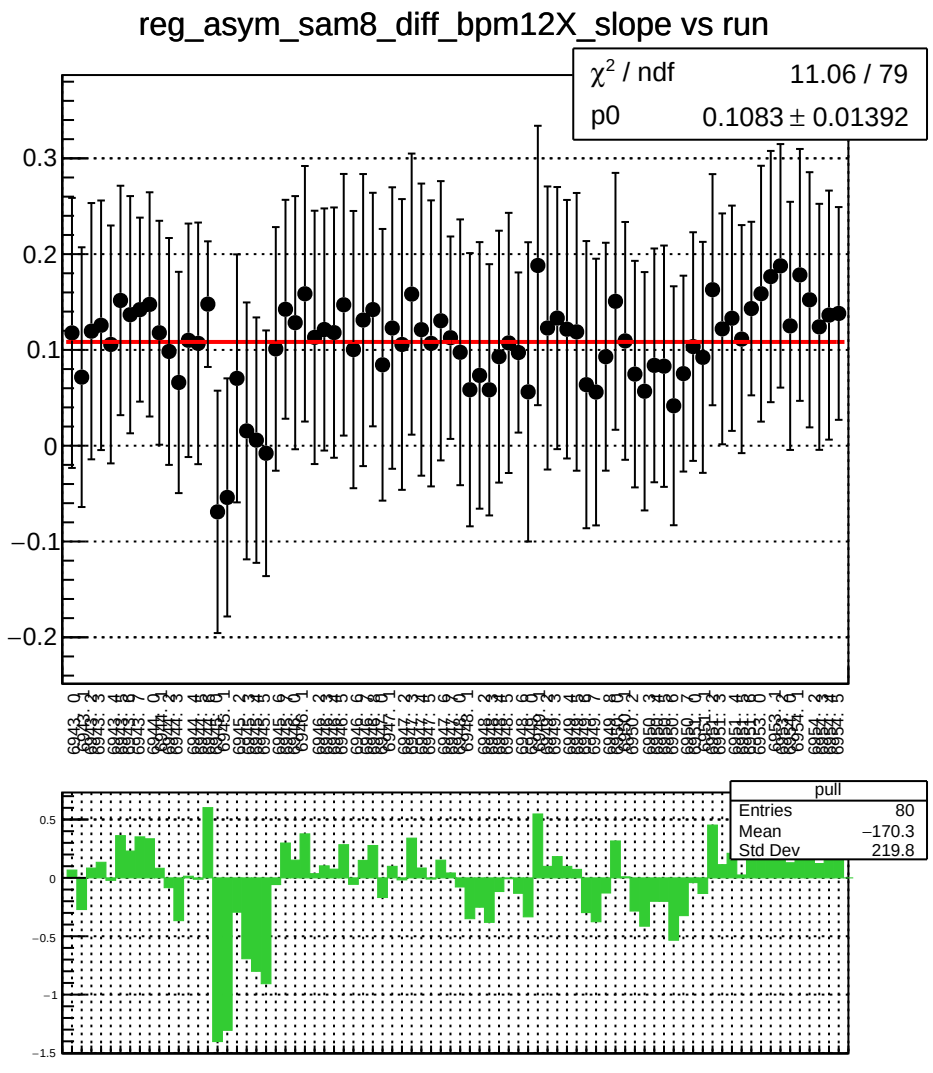

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 117 / 79
p0 −37.91 ± 0.3045
pull
Entries 80
Mean −622.4
Std Dev 664.2

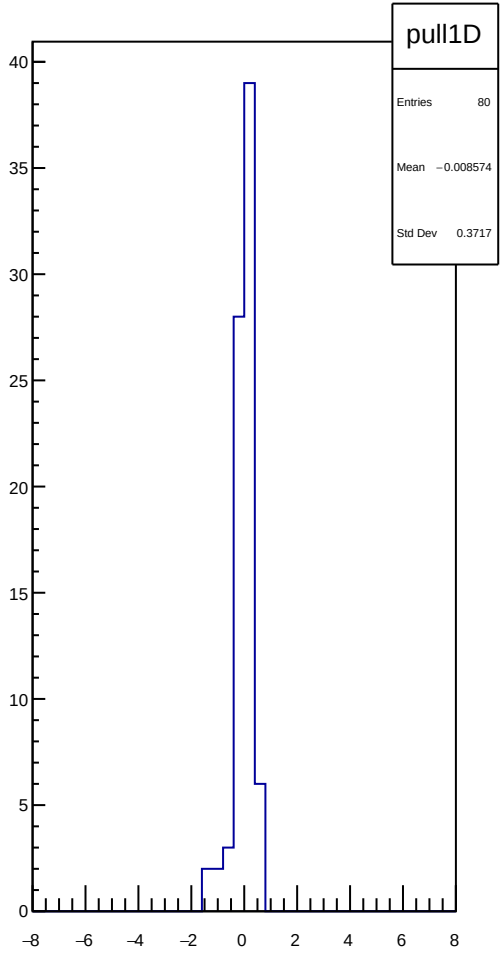

pull1D
Entries 80
Mean 0.01553
Std Dev 1.209

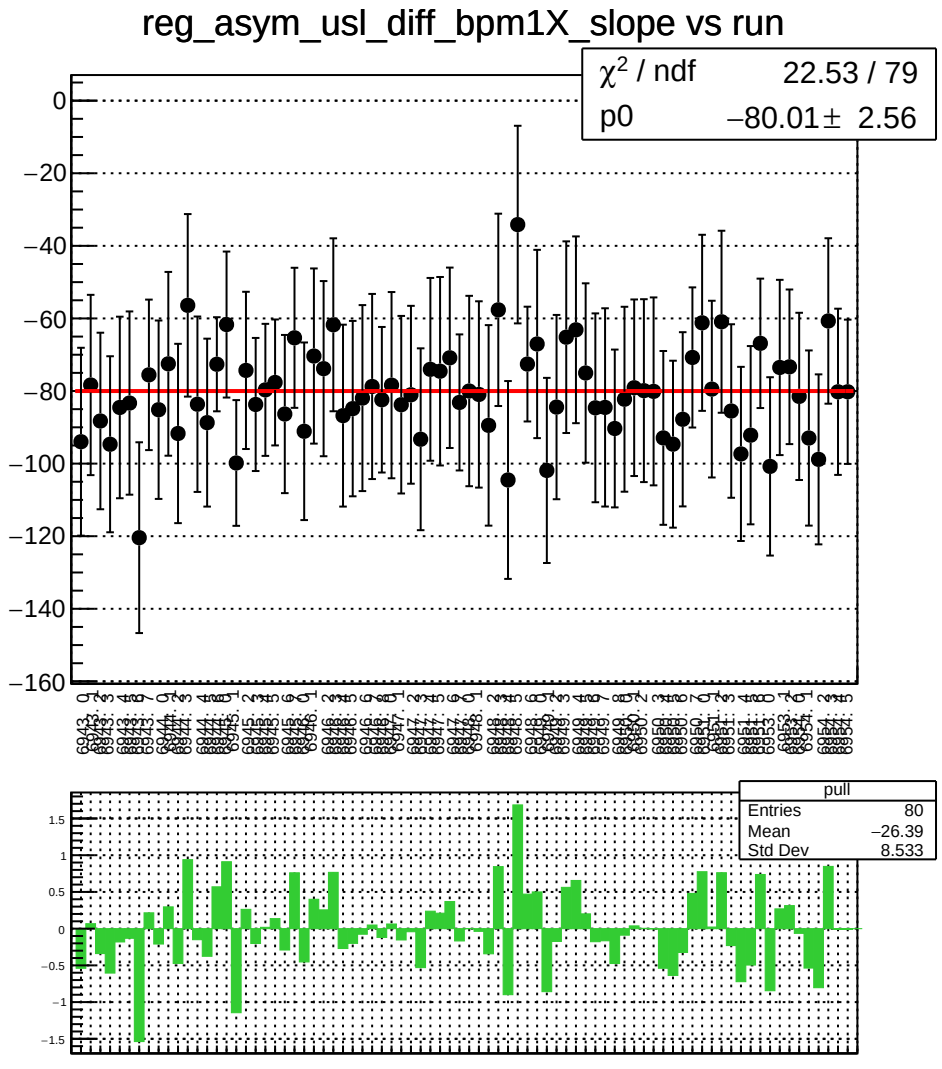

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 259.6 / 79
p0 −35.05 ± 0.4022
pull
Entries 80
Mean 116.1
Std Dev 70.99
pull1D
Entries 80
Mean −0.2345
Std Dev 1.508

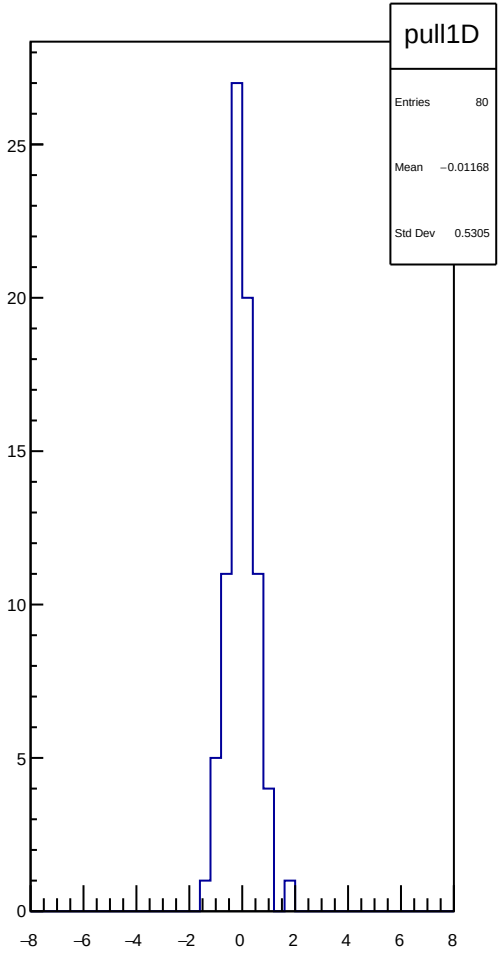

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 112 / 79
p0 40.58 ± 0.3504
pull
Entries 80
Mean 1195
Std Dev 1152

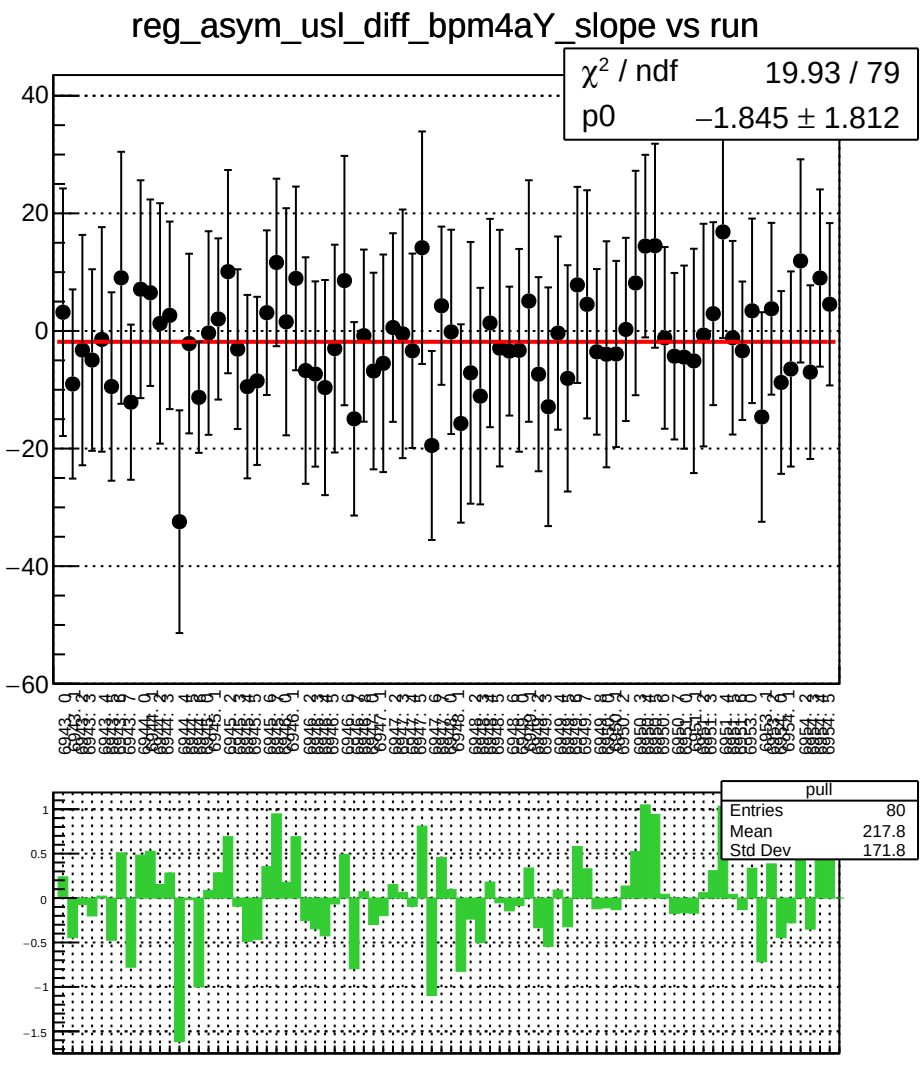

pull1D
Entries 80
Mean 0.008346
Std Dev 1.183

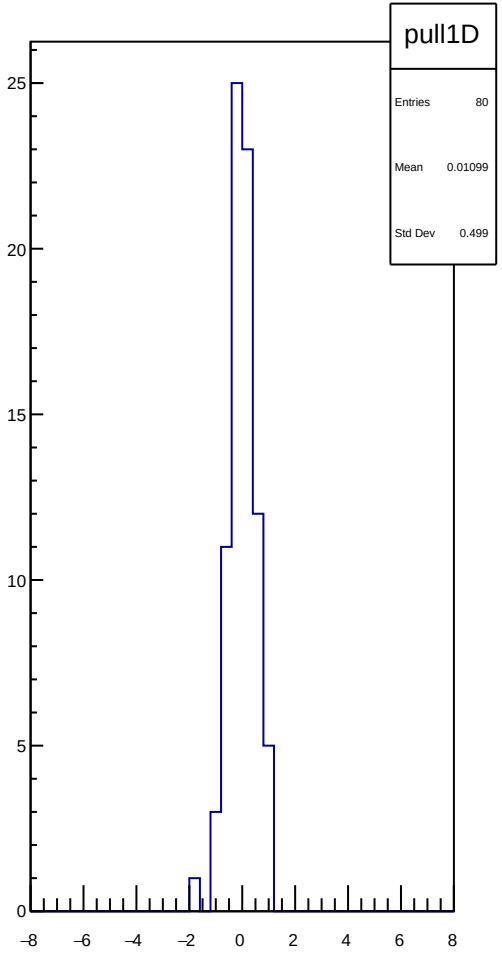

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 11.06 / 79
p0 0.1083 ± 0.01392
pull
Entries 80
Mean −170.3
Std Dev 219.8

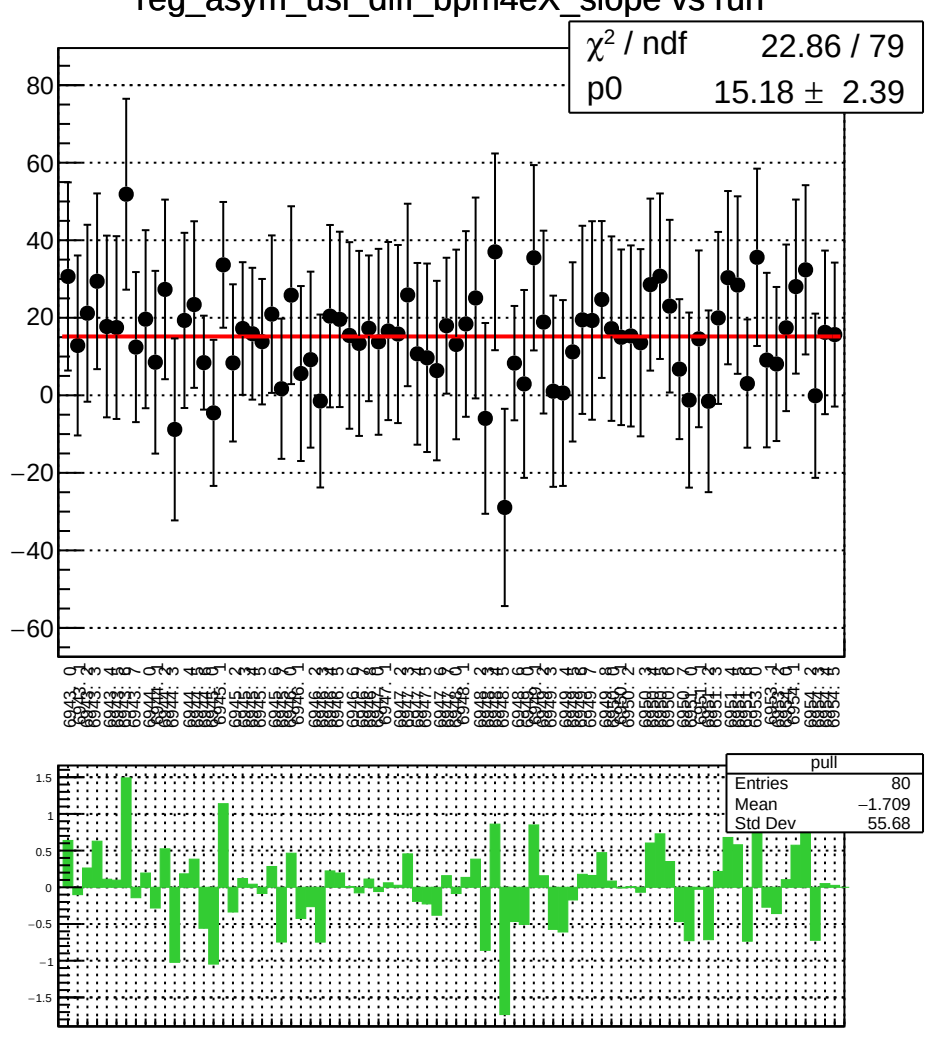

pull1D
Entries 80
Mean −0.008574
Std Dev 0.3717

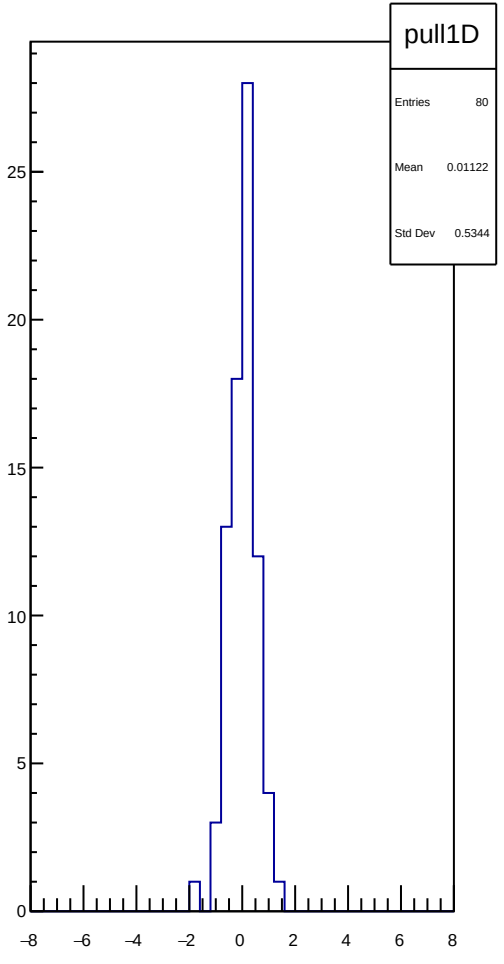

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 22.53 / 79
p0 −80.01 ± 2.56
pull
Entries 80
Mean −26.39
Std Dev 8.533

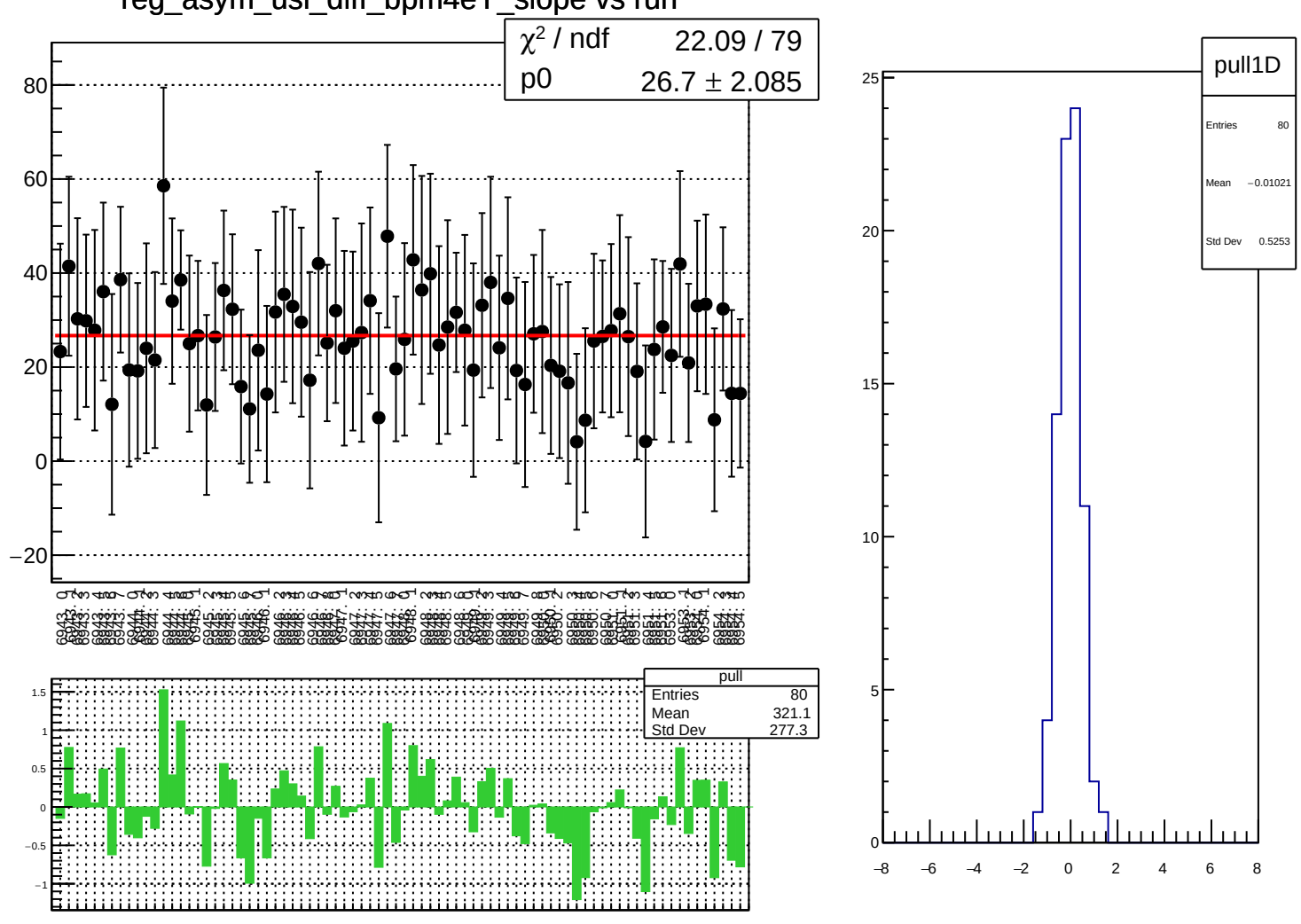

pull1D
Entries 80
Mean −0.01168
Std Dev 0.5305

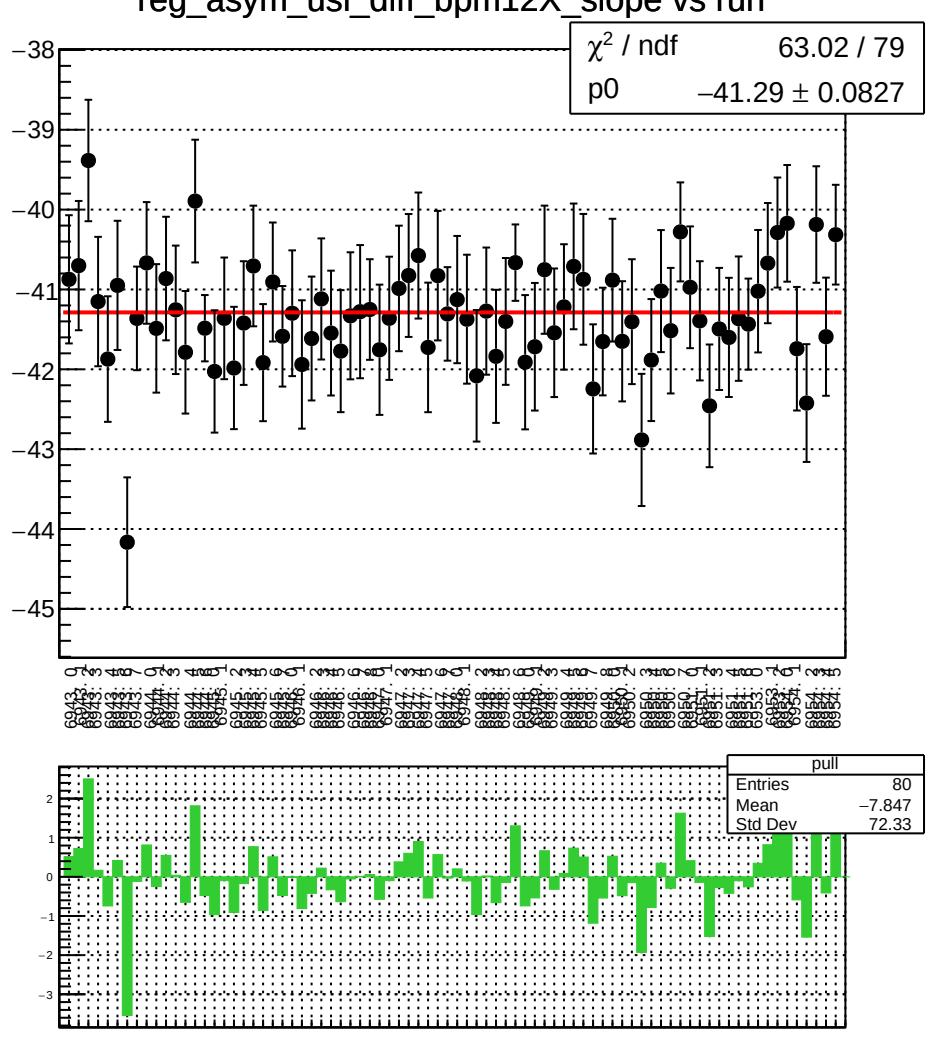

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 19.93 / 79
p0 −1.845 ± 1.812
pull
Entries 80
Mean 217.8
Std Dev 171.8

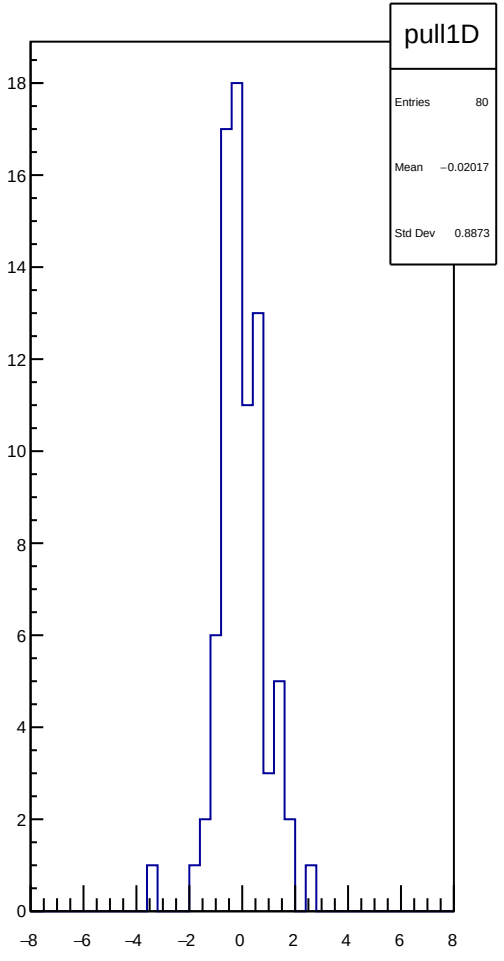

pull1D
Entries 80
Mean 0.01099
Std Dev 0.499

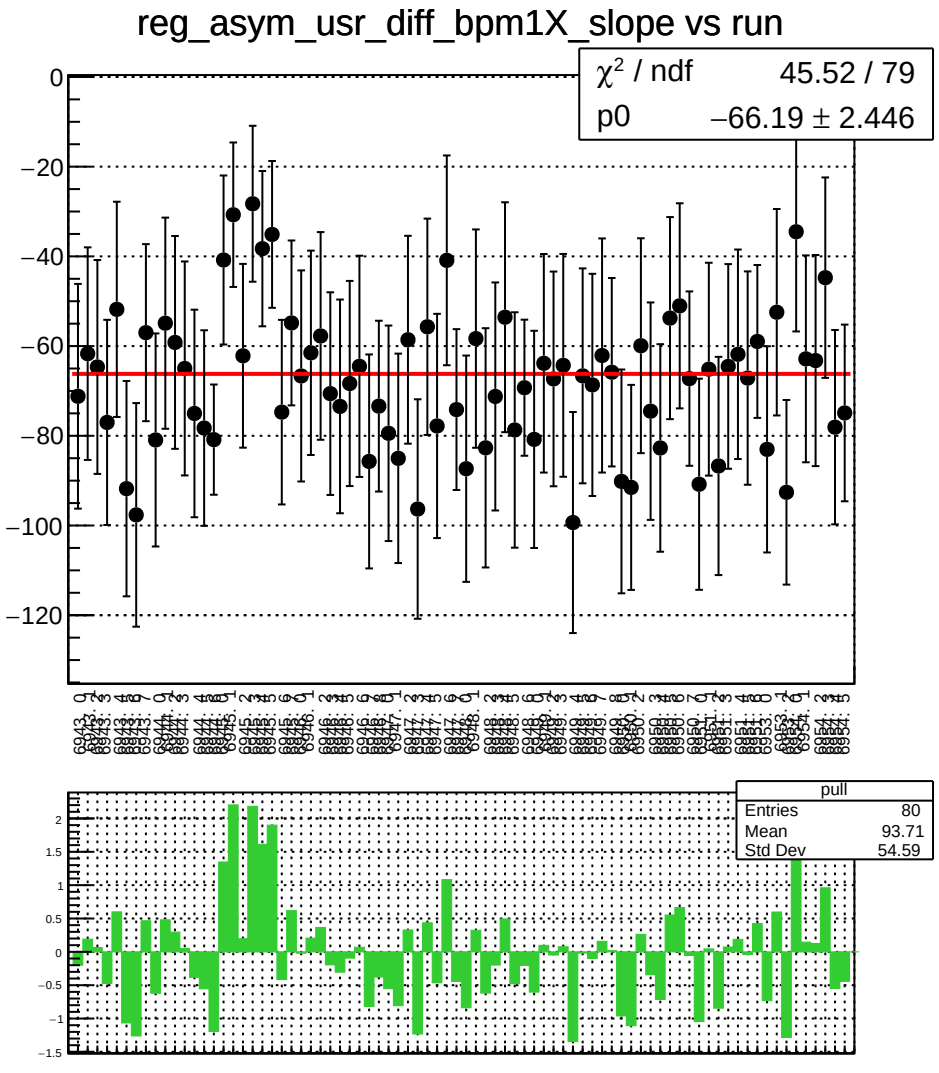

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 22.86 / 79
p0 15.18 ± 2.39
pull
Entries 80
Mean −1.709
Std Dev 55.68

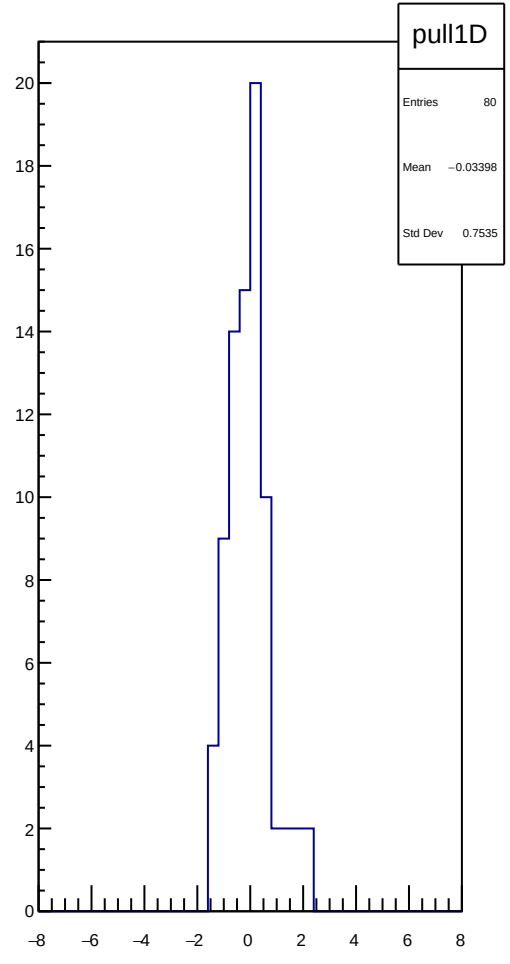

pull1D
Entries 80
Mean 0.01122
Std Dev 0.5344

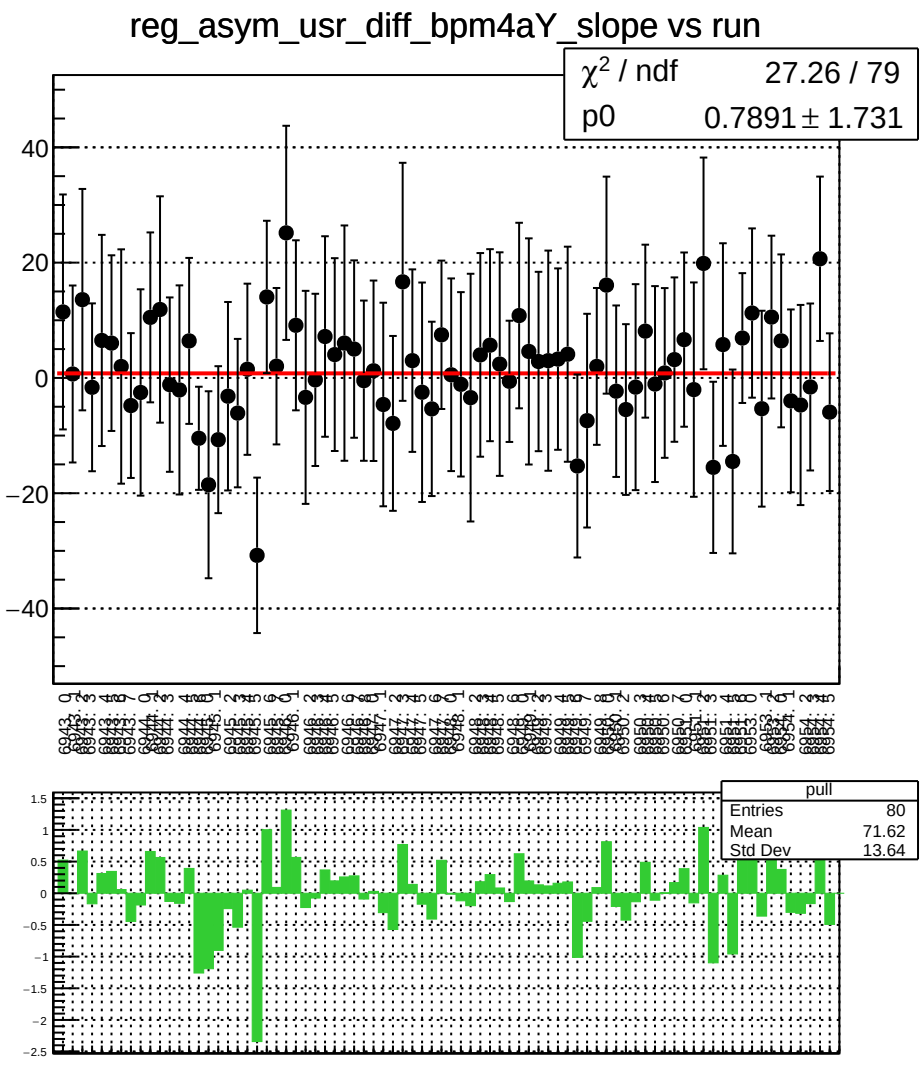

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 22.09 / 79
p0 26.7 ± 2.085
pull
Entries 80
Mean 321.1
Std Dev 277.3
pull1D
Entries 80
Mean −0.01021
Std Dev 0.5253

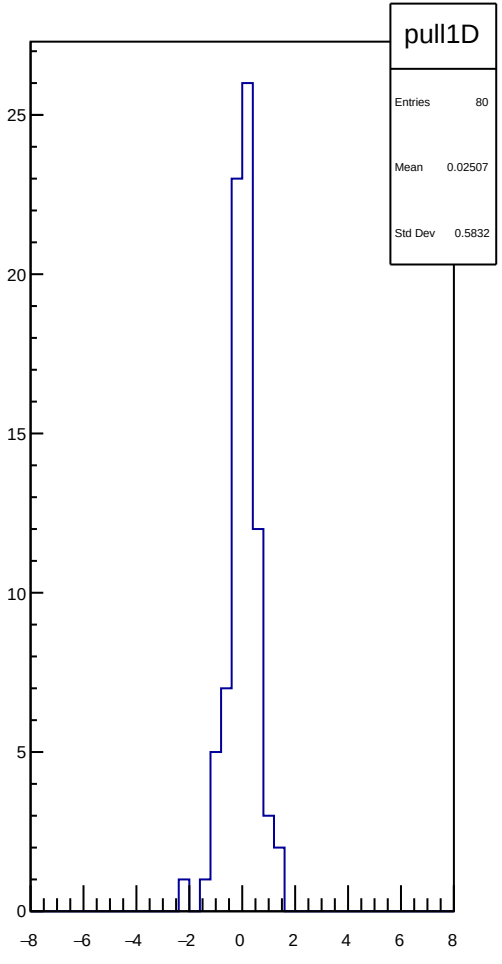

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 63.02 / 79
p0 −41.29 ± 0.0827
pull
Entries 80
Mean −7.847
Std Dev 72.33

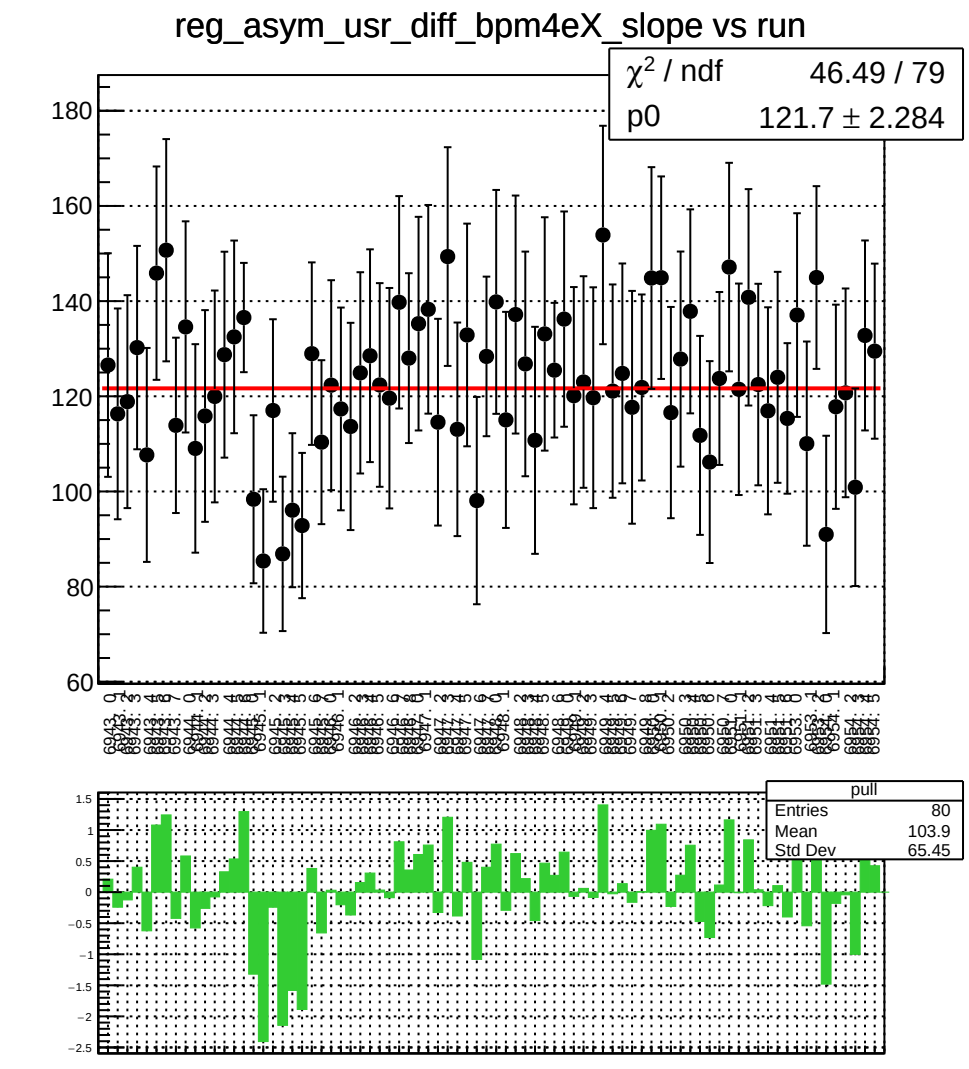

pull1D
Entries 80
Mean −0.02017
Std Dev 0.8873

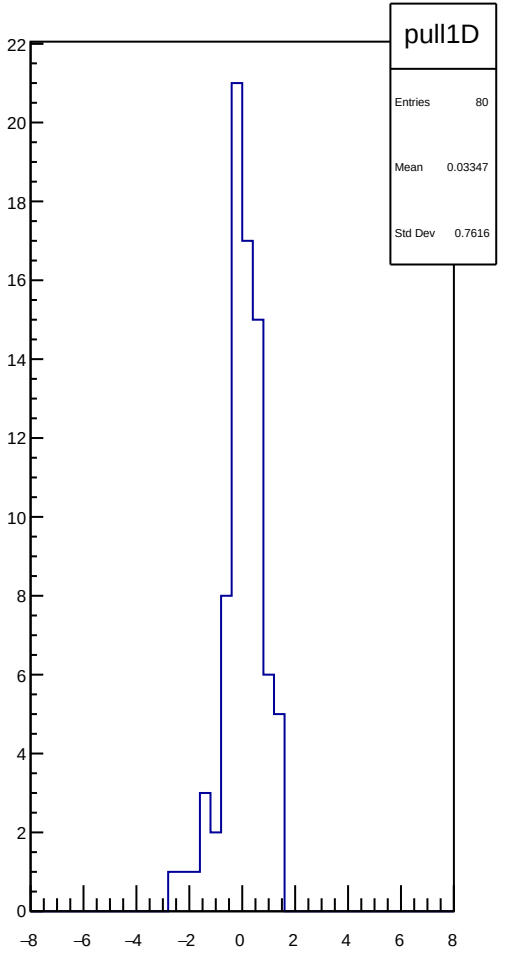

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 45.52 / 79
p0 −66.19 ± 2.446
pull
Entries 80
Mean 93.71
Std Dev 54.59

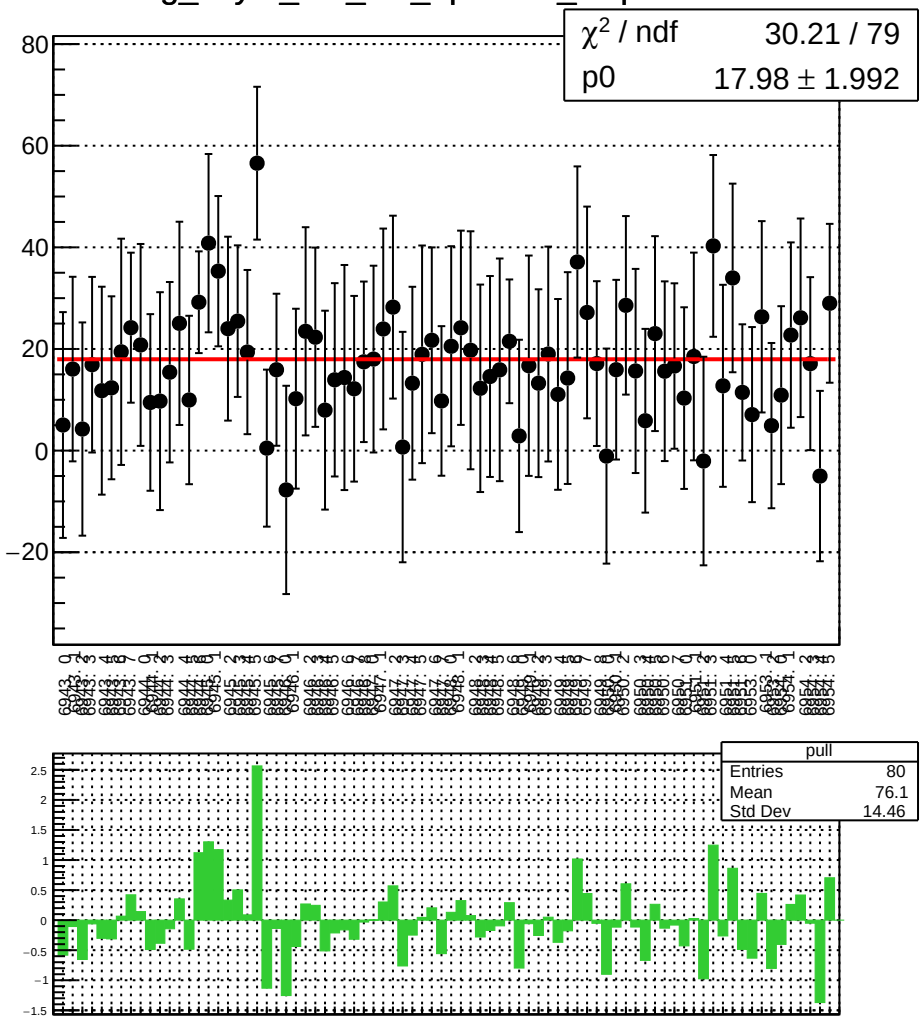

pull1D
Entries 80
Mean −0.03398
Std Dev 0.7535

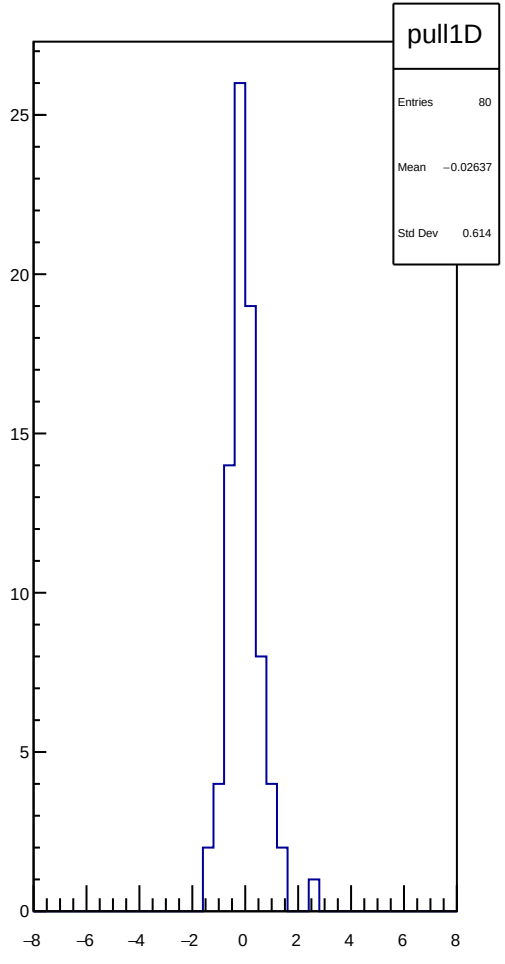

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 27.26 / 79
p0 0.7891 ± 1.731
pull
Entries 80
Mean 71.62
Std Dev 13.64

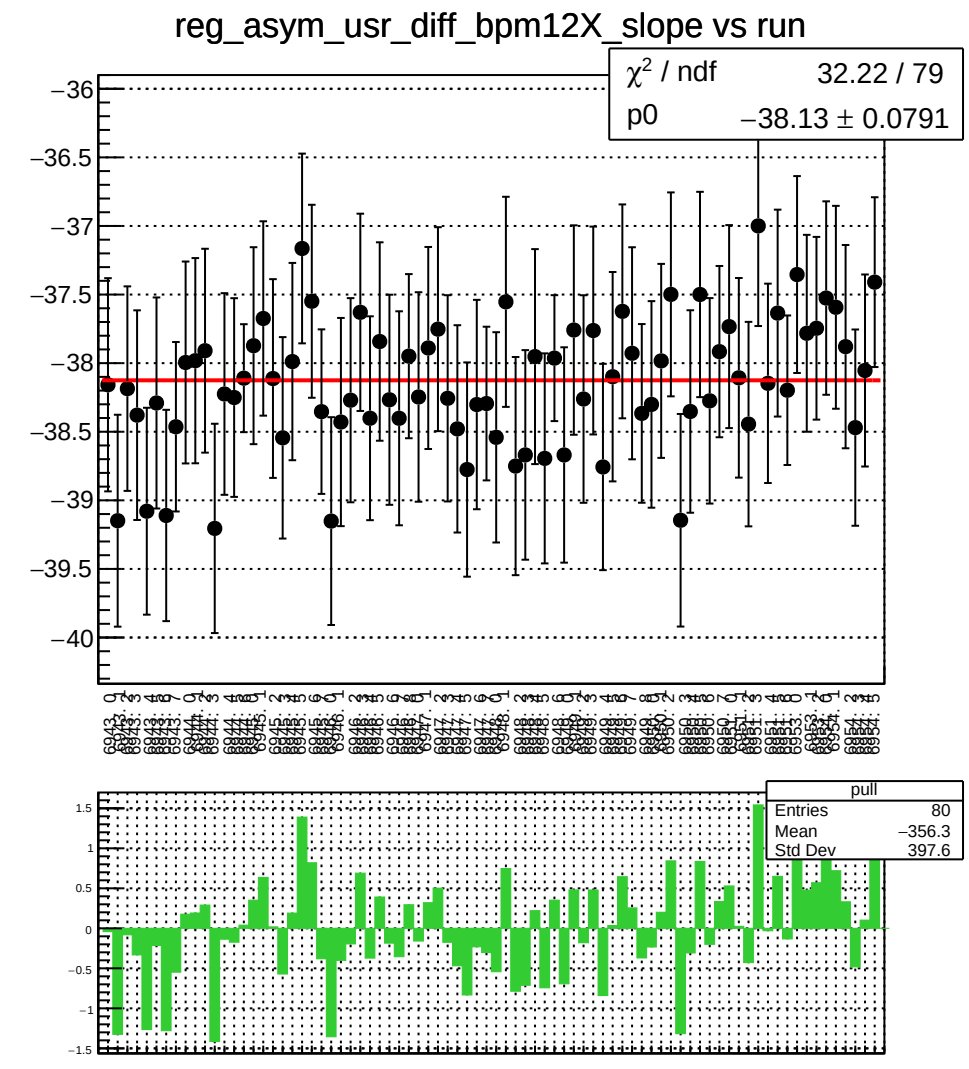

pull1D
Entries 80
Mean 0.02507
Std Dev 0.5832

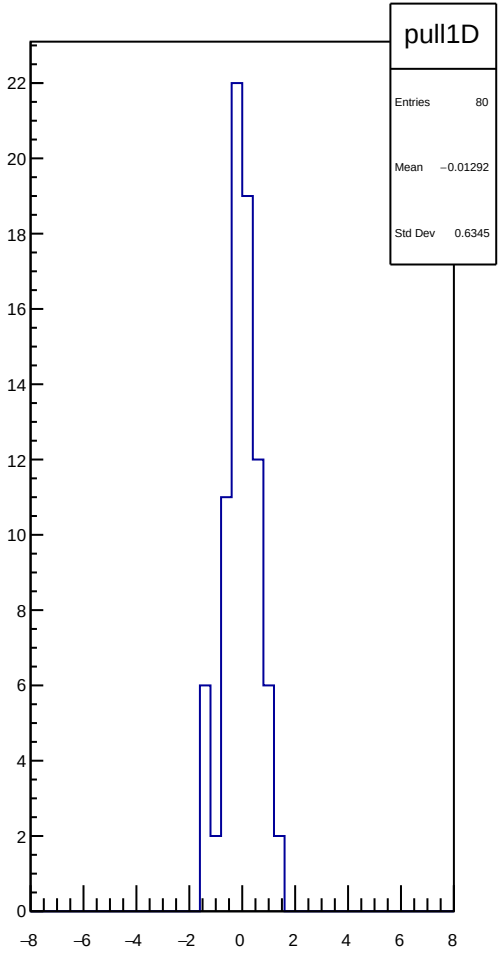

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 46.49 / 79
p0 121.7 ± 2.284
pull
Entries 80
Mean 103.9
Std Dev 65.45

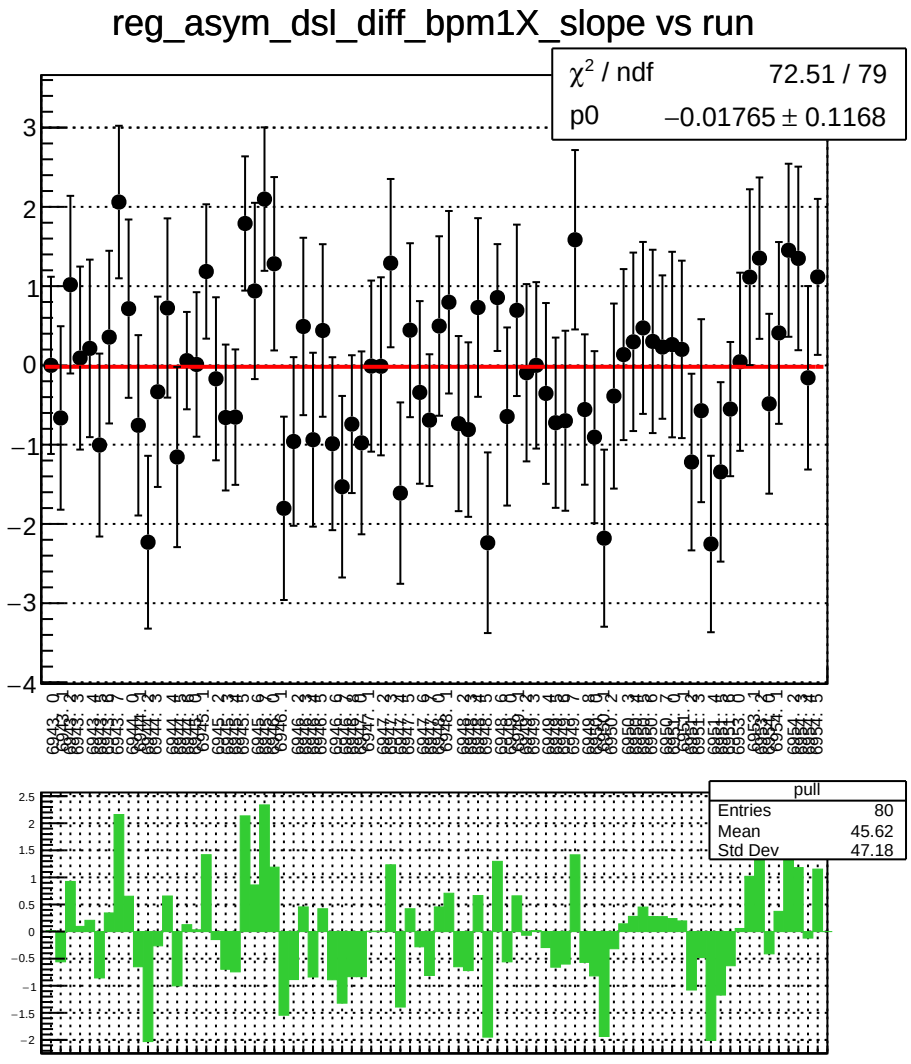

pull1D
Entries 80
Mean 0.03347
Std Dev 0.7616

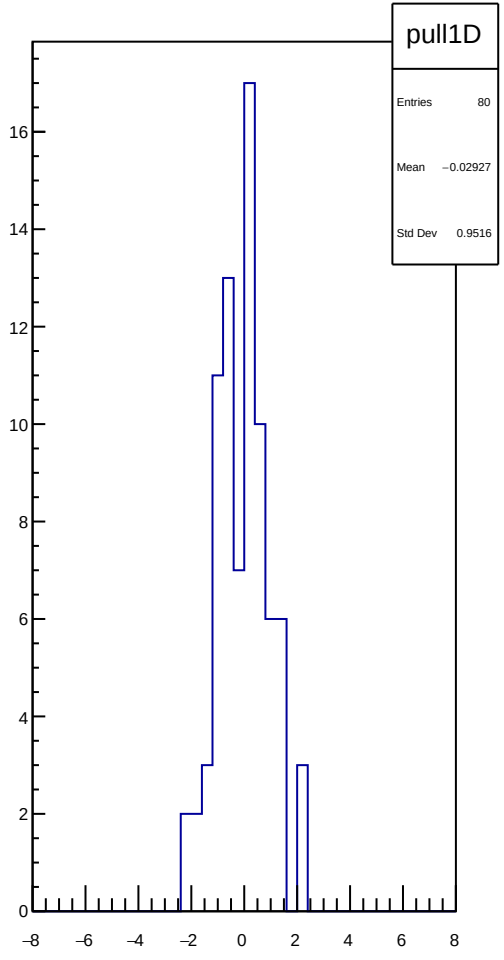

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 30.21 / 79
p0 17.98 ± 1.992
pull
Entries 80
Mean 76.1
Std Dev 14.46

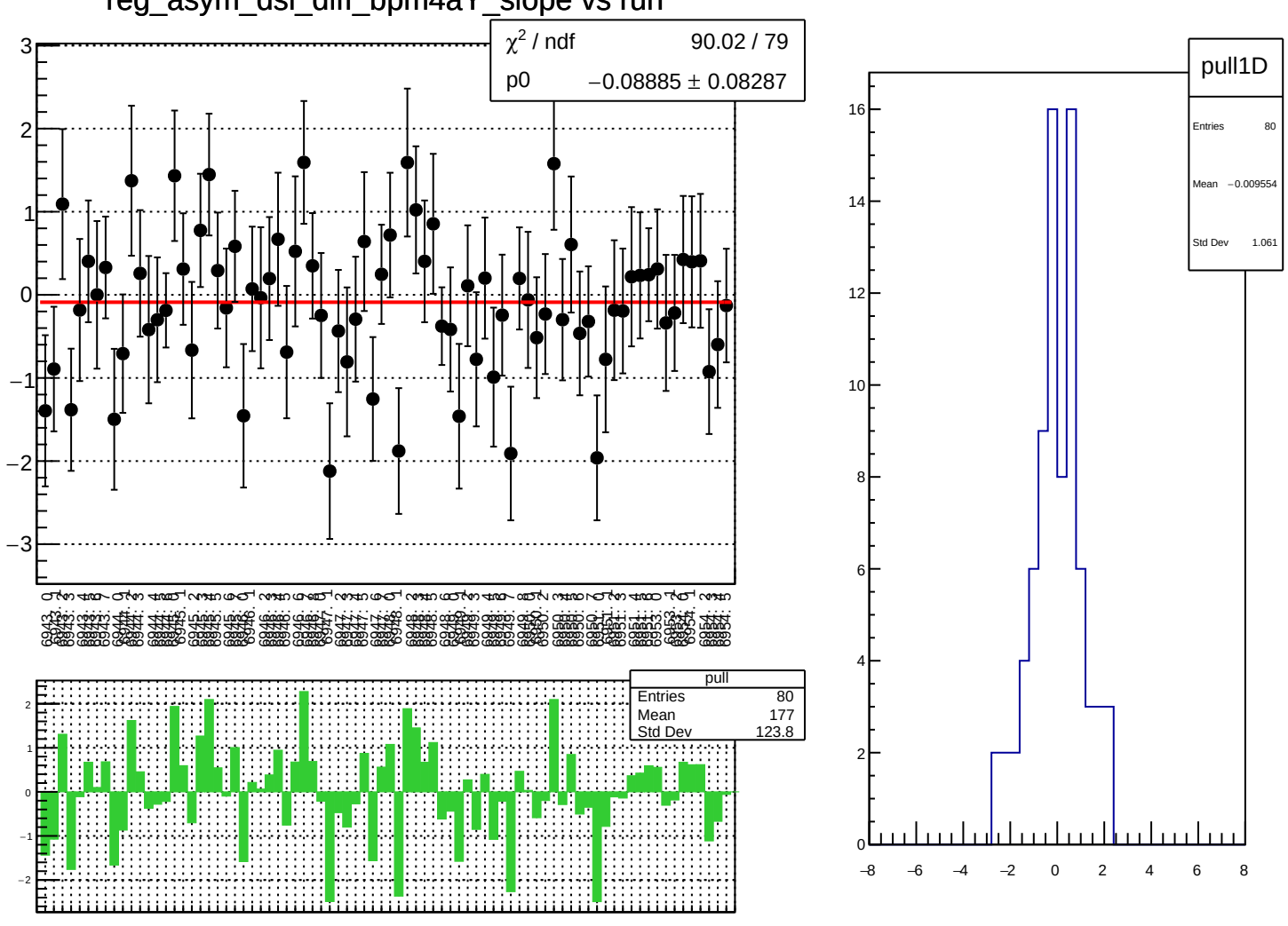

pull1D
Entries 80
Mean −0.02637
Std Dev 0.614

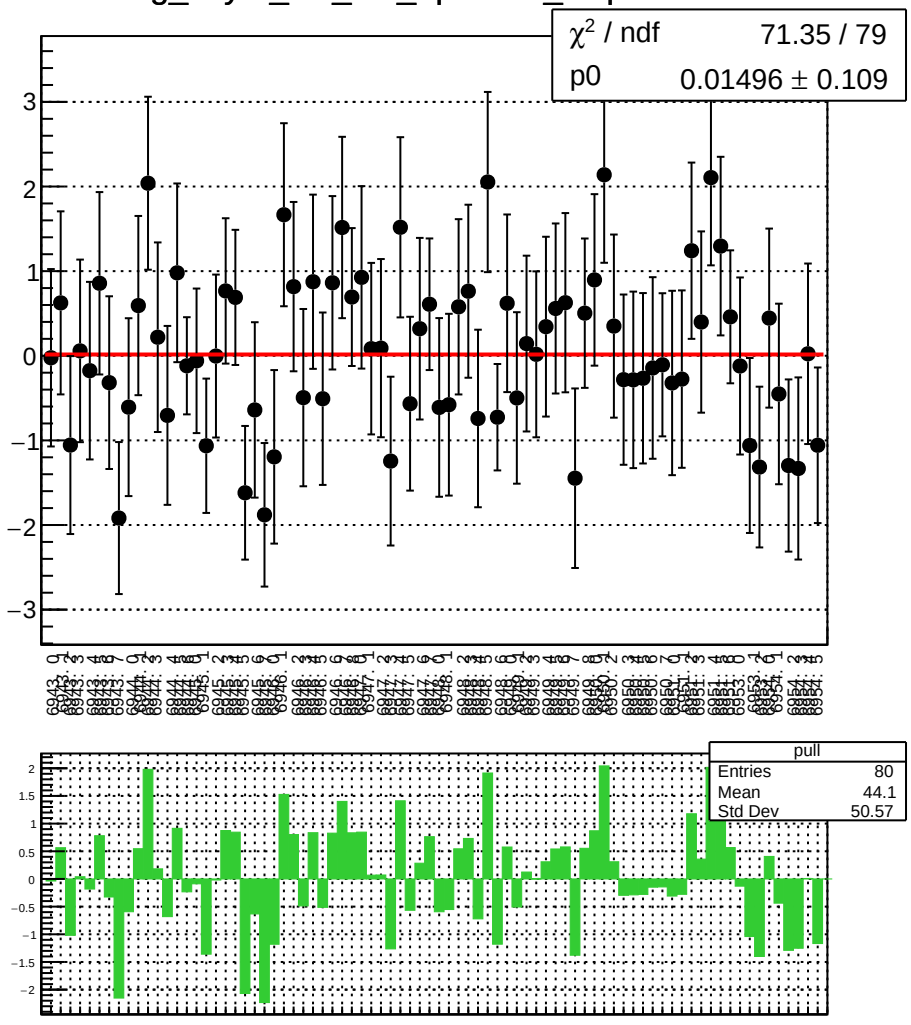

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 32.22 / 79
p0 −38.13 ± 0.0791
pull
Entries 80
Mean −356.3
Std Dev 397.6

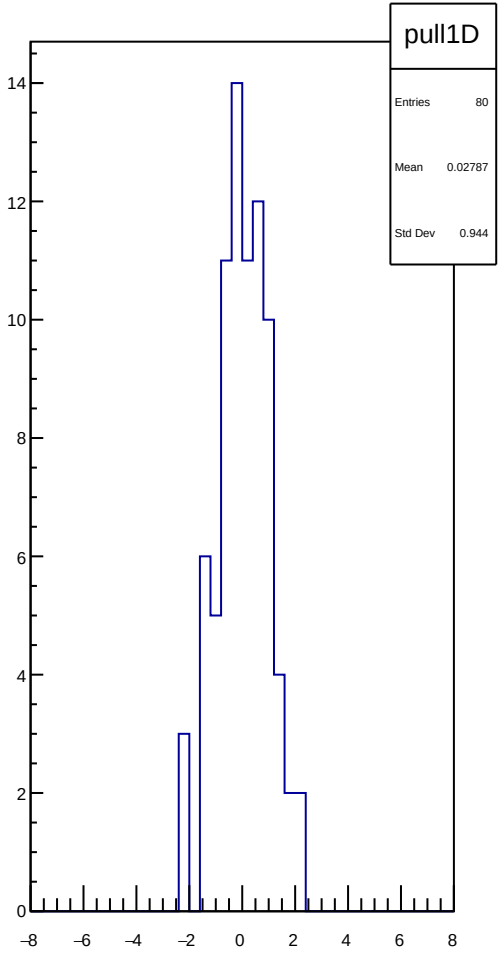

pull1D
Entries 80
Mean −0.01292
Std Dev 0.6345

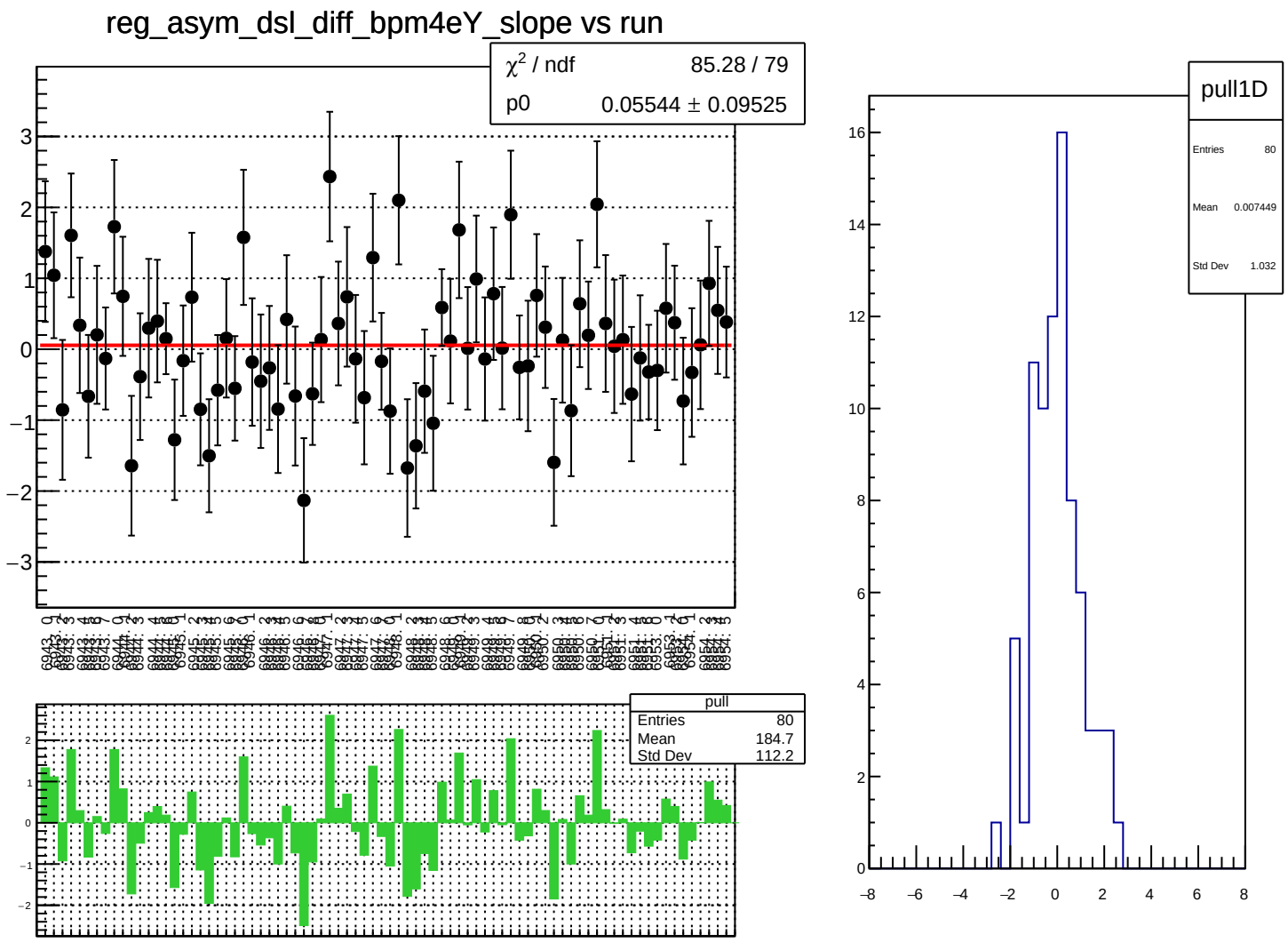

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 72.51 / 79
p0 −0.01765 ± 0.1168
pull
Entries 80
Mean 45.62
Std Dev 47.18

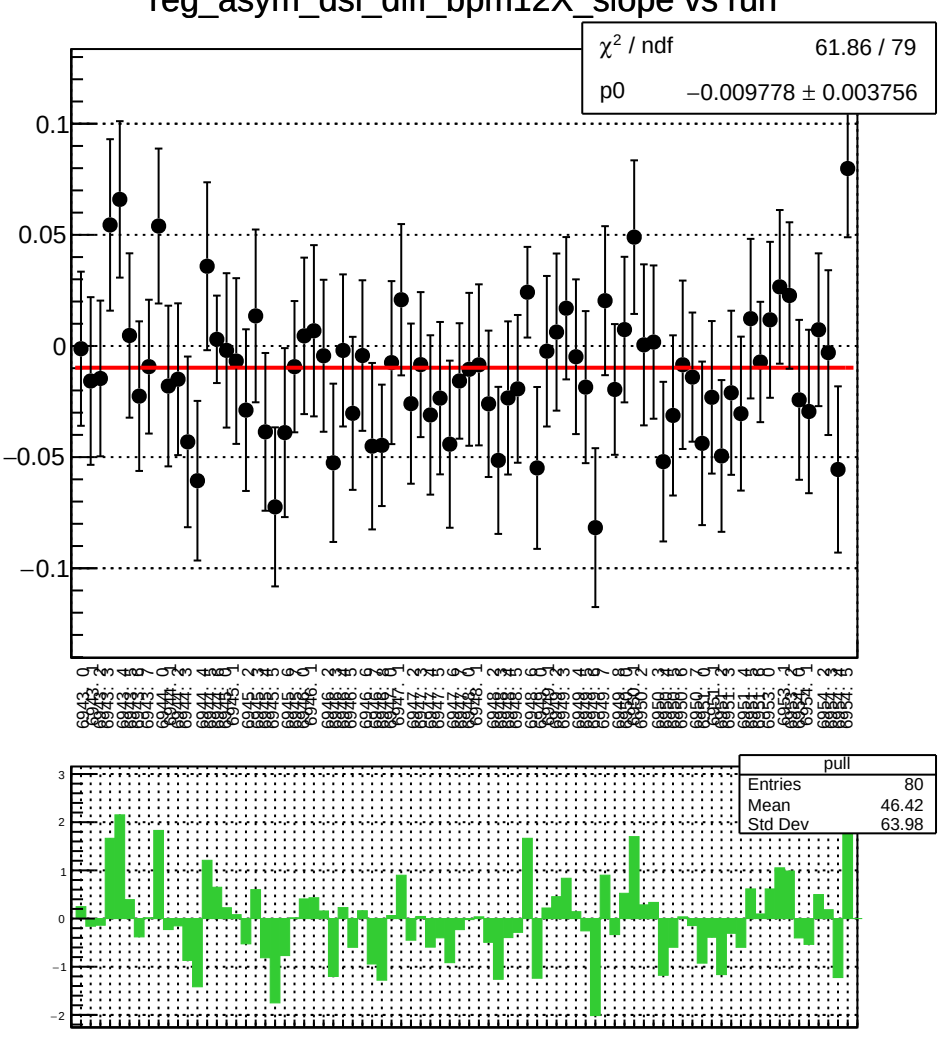

pull1D
Entries 80
Mean −0.02927
Std Dev 0.9516

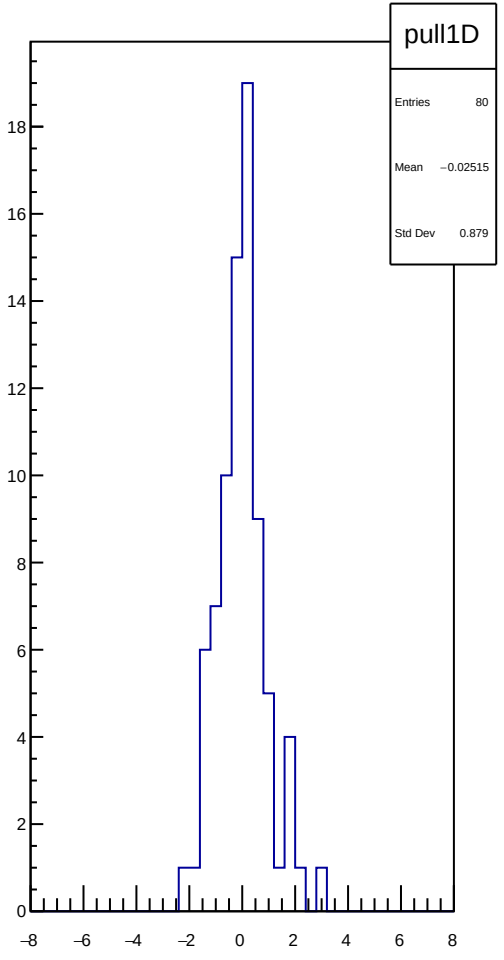

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 90.02 / 79
p0 −0.08885 ± 0.08287
pull
Entries 80
Mean 177
Std Dev 123.8
pull1D
Entries 80
Mean −0.009554
Std Dev 1.061

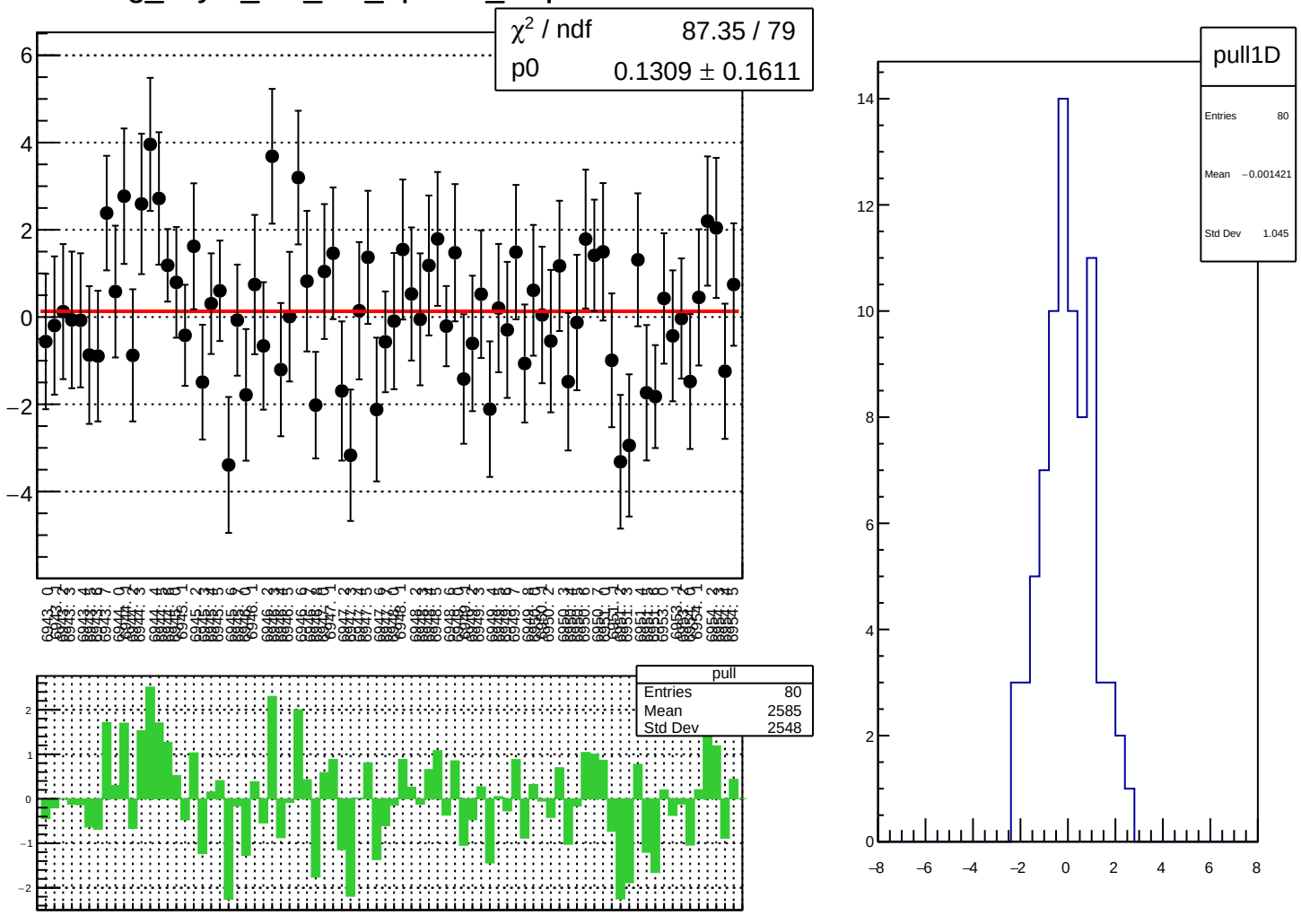

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 71.35 / 79
p0 0.01496 ± 0.109
pull
Entries 80
Mean 44.1
Std Dev 50.57

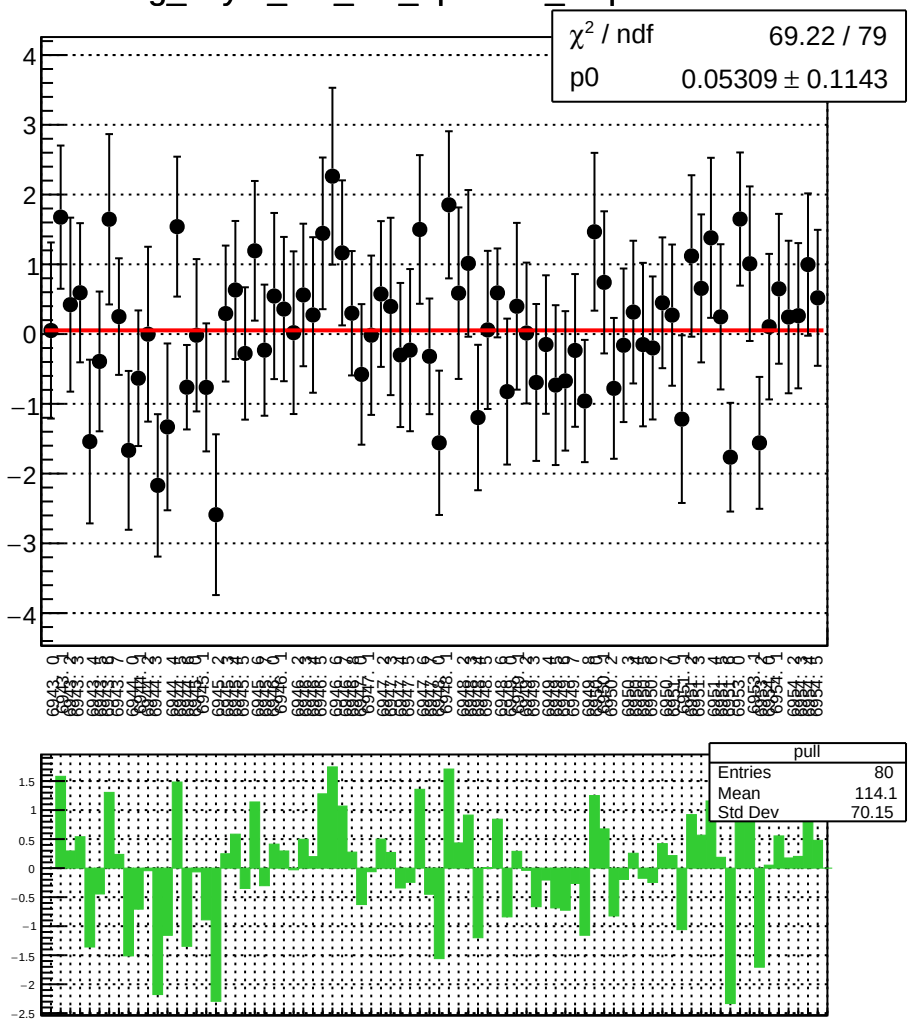

pull1D
Entries 80
Mean 0.02787
Std Dev 0.944

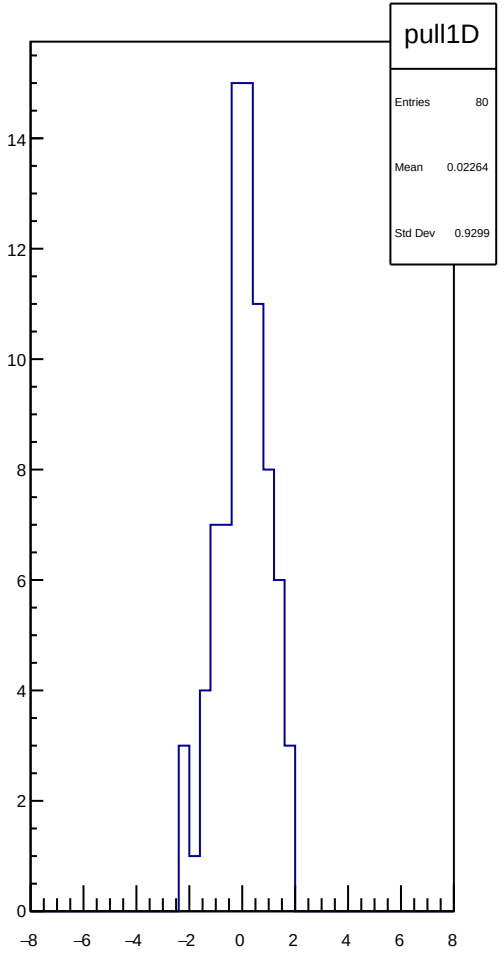

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 85.28 / 79
p0 0.05544 ± 0.09525
pull
Entries 80
Mean 184.7
Std Dev 112.2
pull1D
Entries 80
Mean 0.007449
Std Dev 1.032

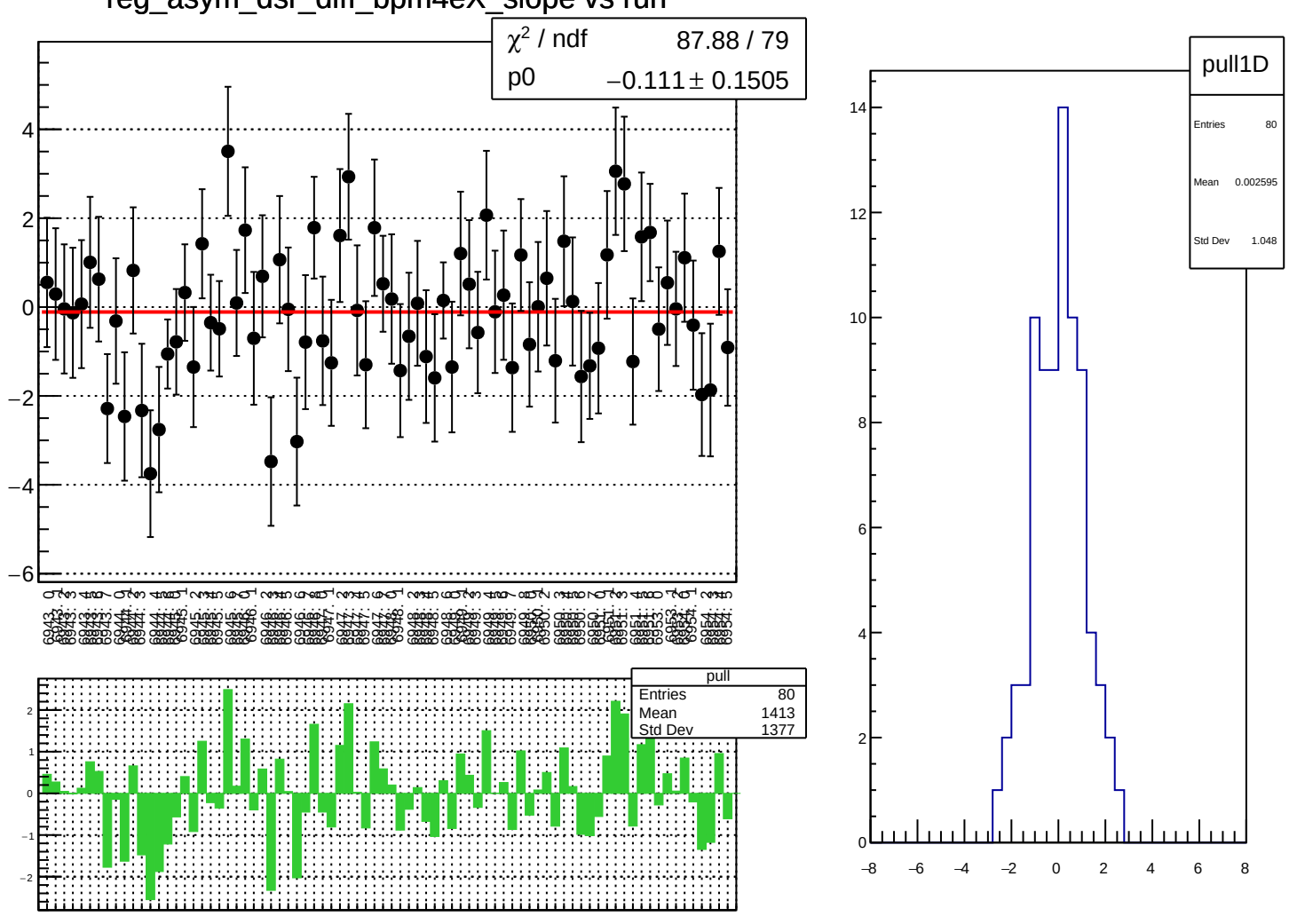

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 61.86 / 79
p0 −0.009778 ± 0.003756
pull
Entries 80
Mean 46.42
Std Dev 63.98

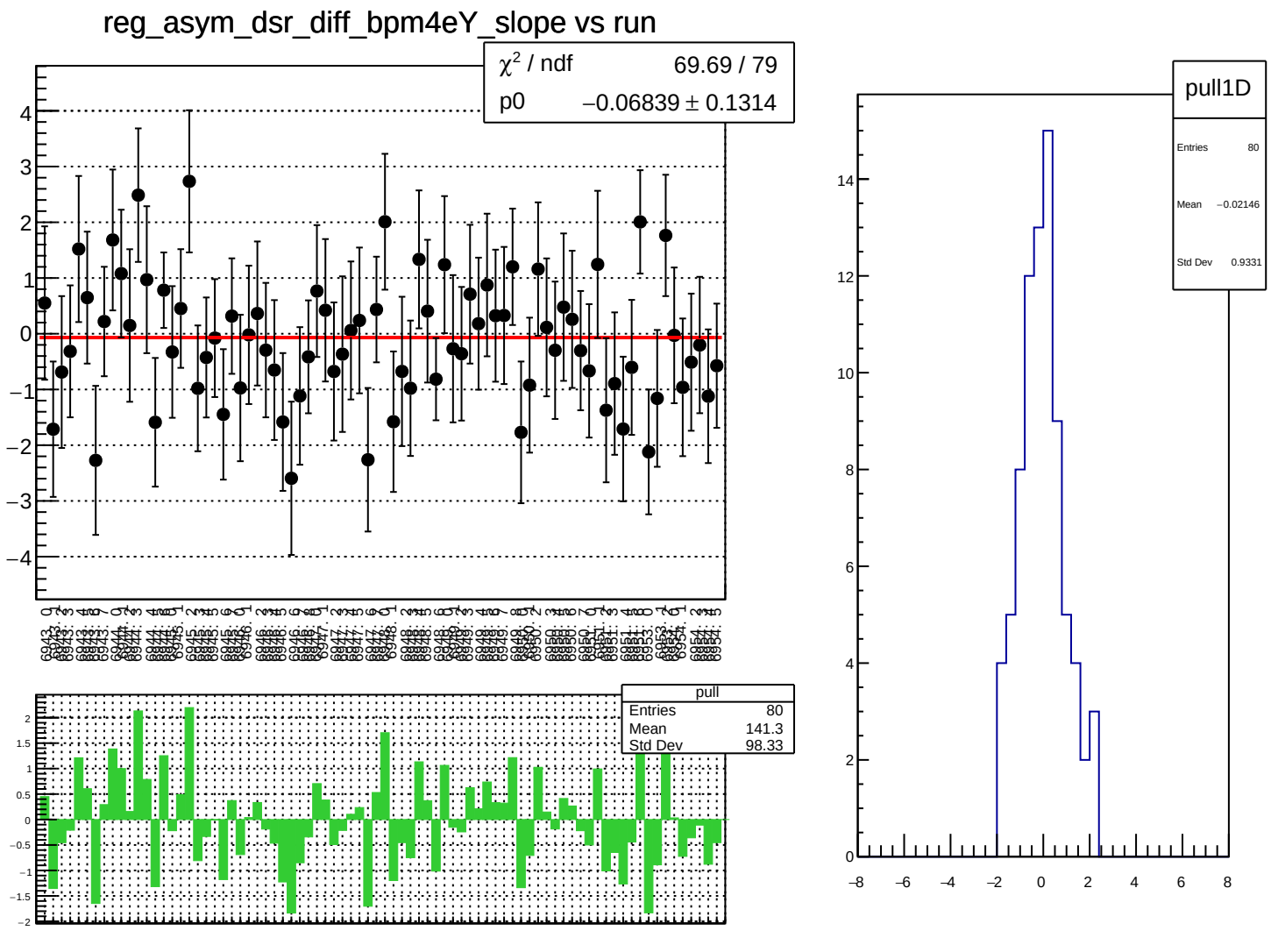

pull1D
Entries 80
Mean −0.02515
Std Dev 0.879

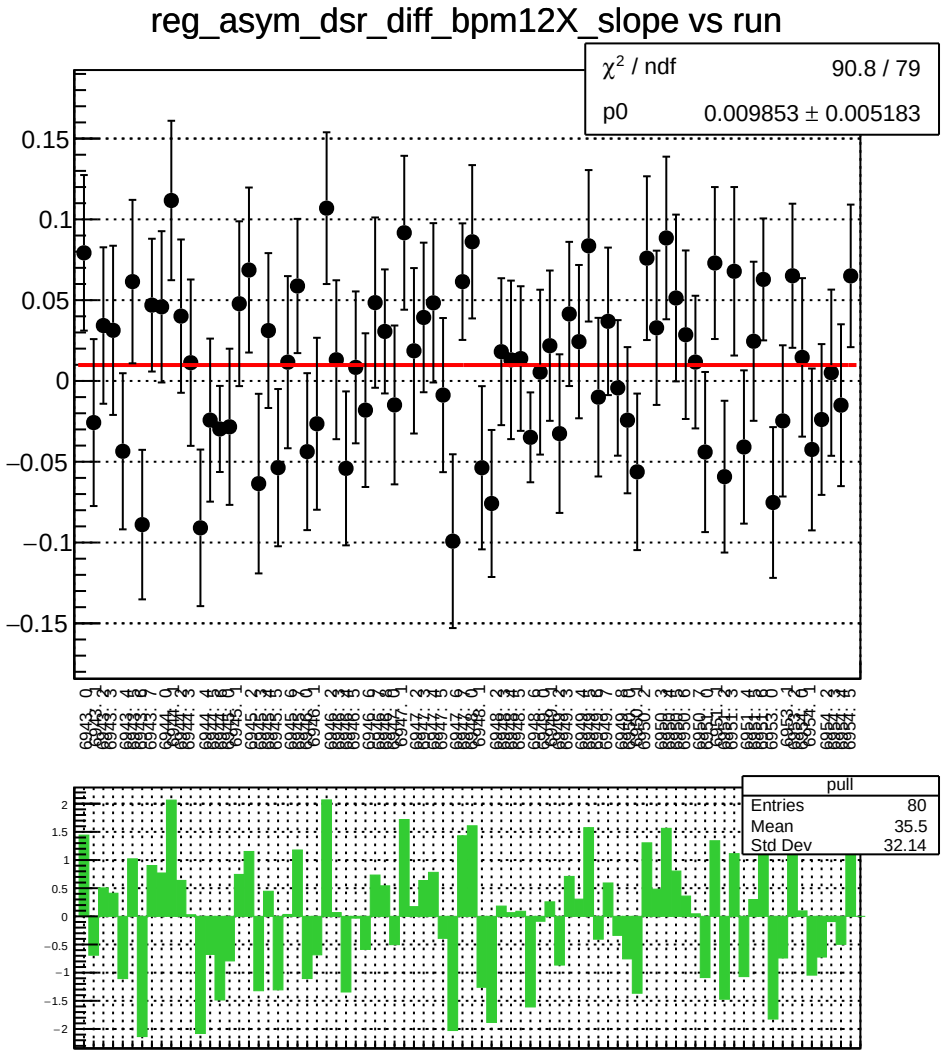

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 87.35 / 79
p0 0.1309 ± 0.1611
pull
Entries 80
Mean 2585
Std Dev 2548
pull1D
Entries 80
Mean −0.001421
Std Dev 1.045

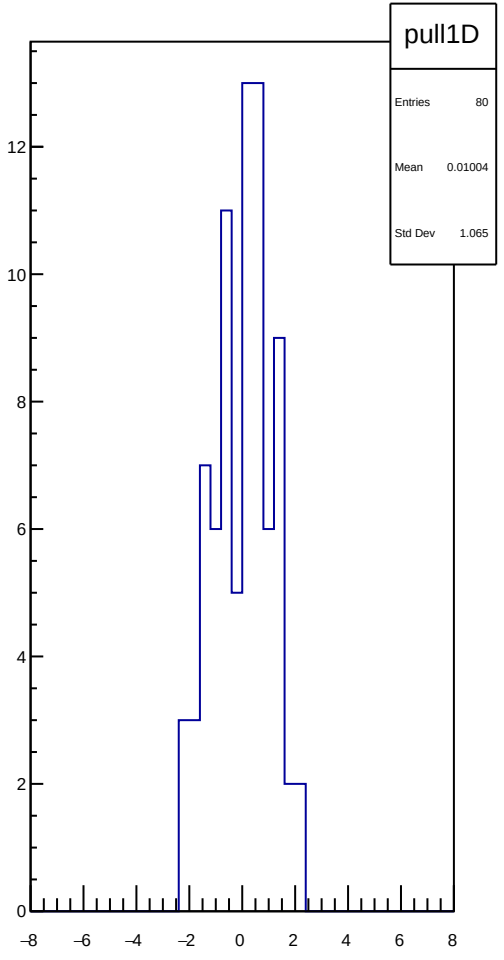

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 69.22 / 79
p0 0.05309 ± 0.1143
pull
Entries 80
Mean 114.1
Std Dev 70.15

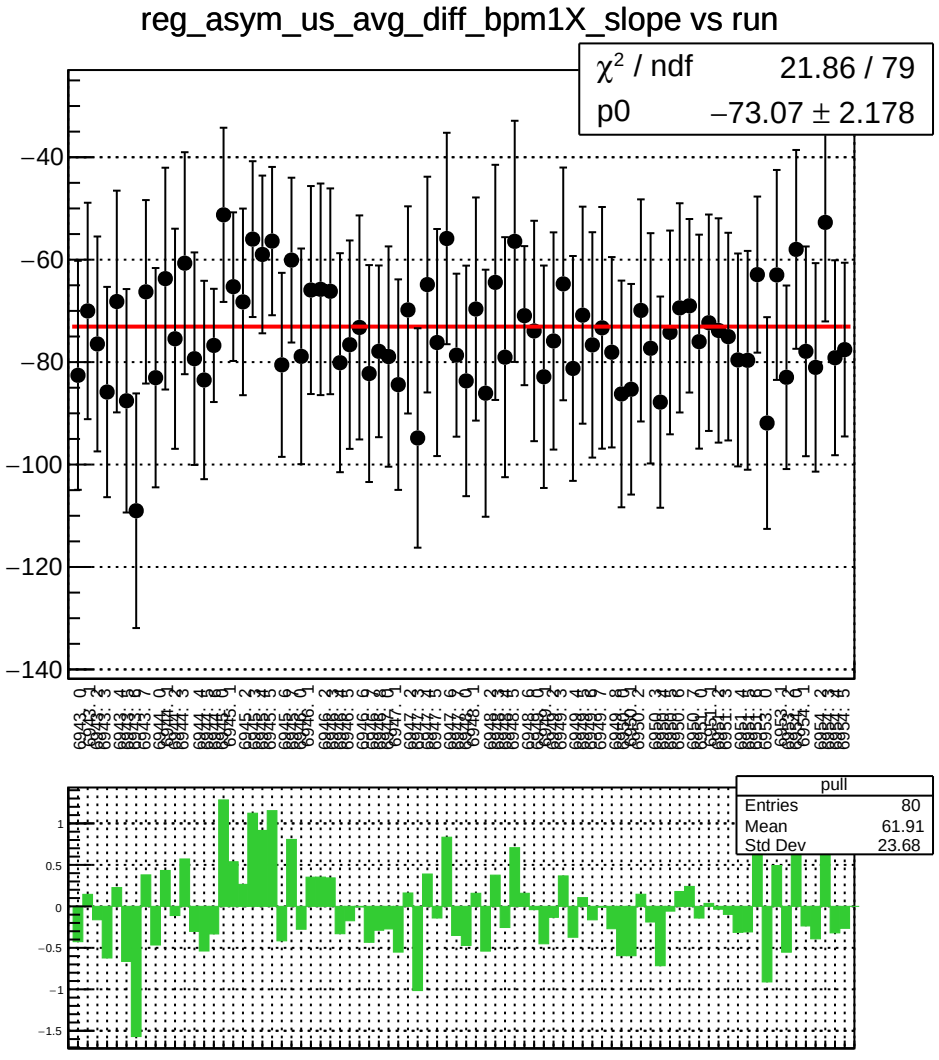

pull1D
Entries 80
Mean 0.02264
Std Dev 0.9299

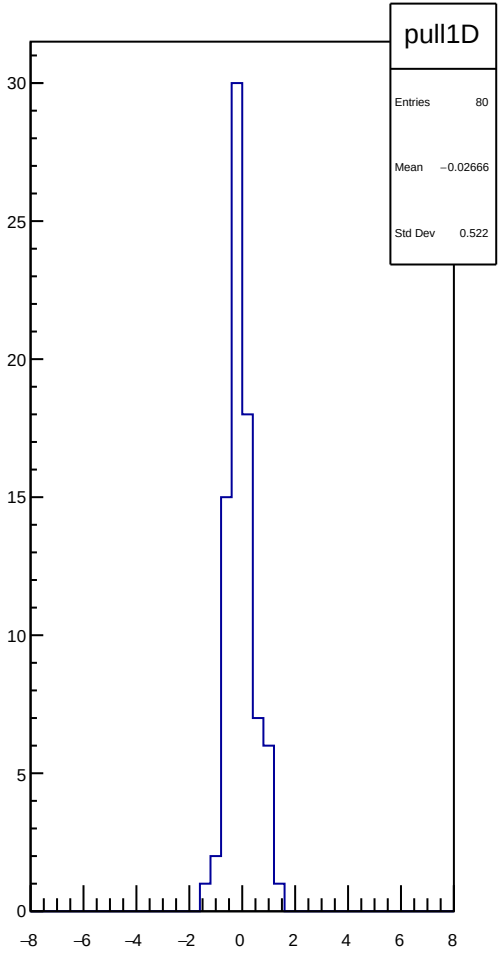

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 87.88 / 79
p0 −0.111 ± 0.1505
pull
Entries 80
Mean 1413
Std Dev 1377
pull1D
Entries 80
Mean 0.002595
Std Dev 1.048

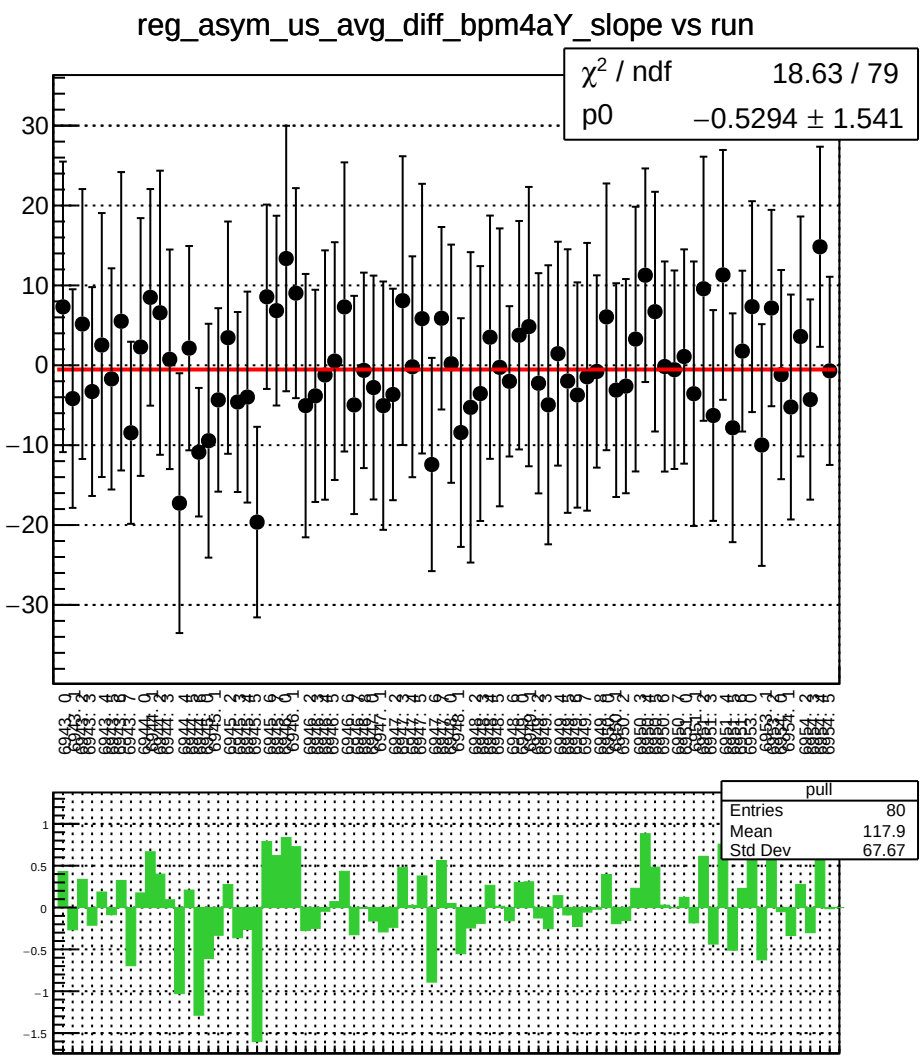

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 69.69 / 79
p0 −0.06839 ± 0.1314
pull
Entries 80
Mean 141.3
Std Dev 98.33
pull1D
Entries 80
Mean −0.02146
Std Dev 0.9331

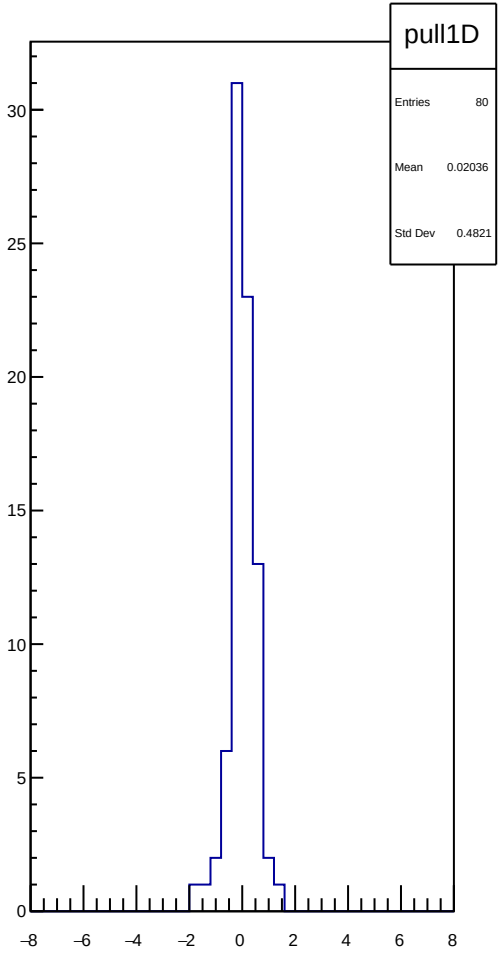

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 90.8 / 79
p0 0.009853 ± 0.005183
pull
Entries 80
Mean 35.5
Std Dev 32.14

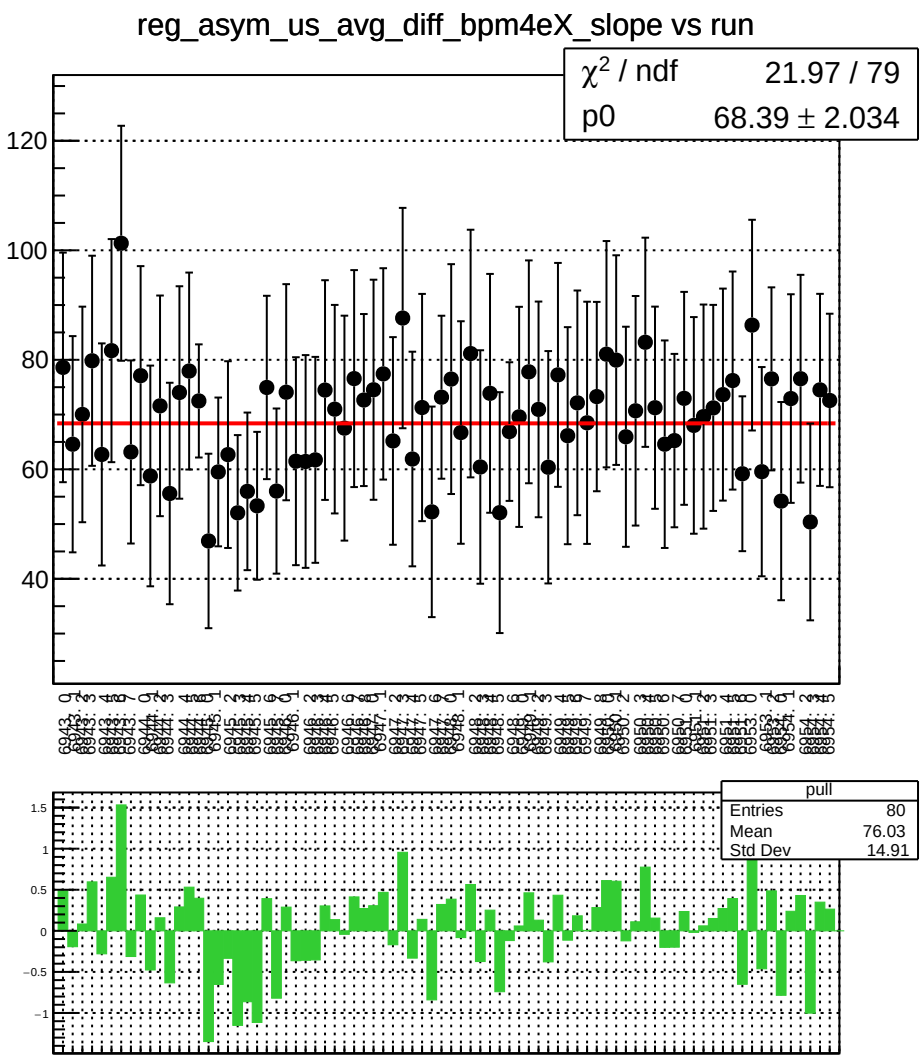

pull1D
Entries 80
Mean 0.01004
Std Dev 1.065

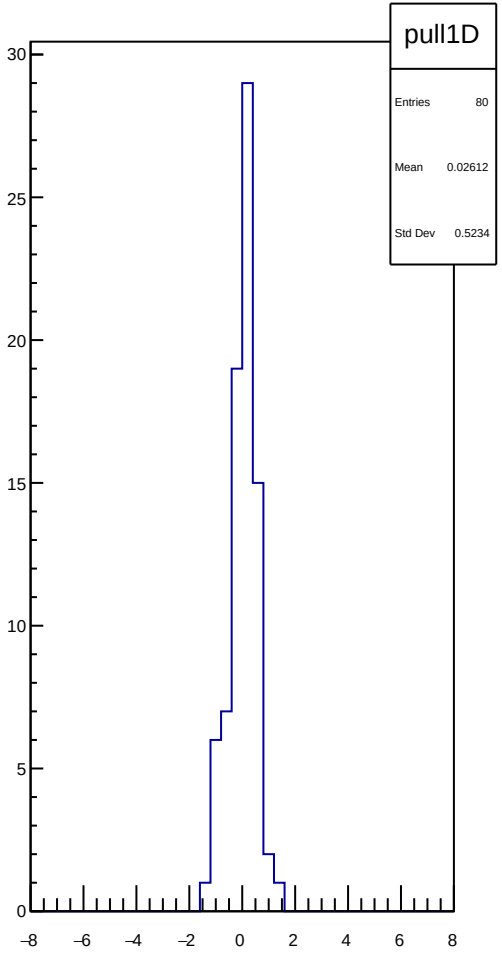

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 21.86 / 79
p0 −73.07 ± 2.178
pull
Entries 80
Mean 61.91
Std Dev 23.68

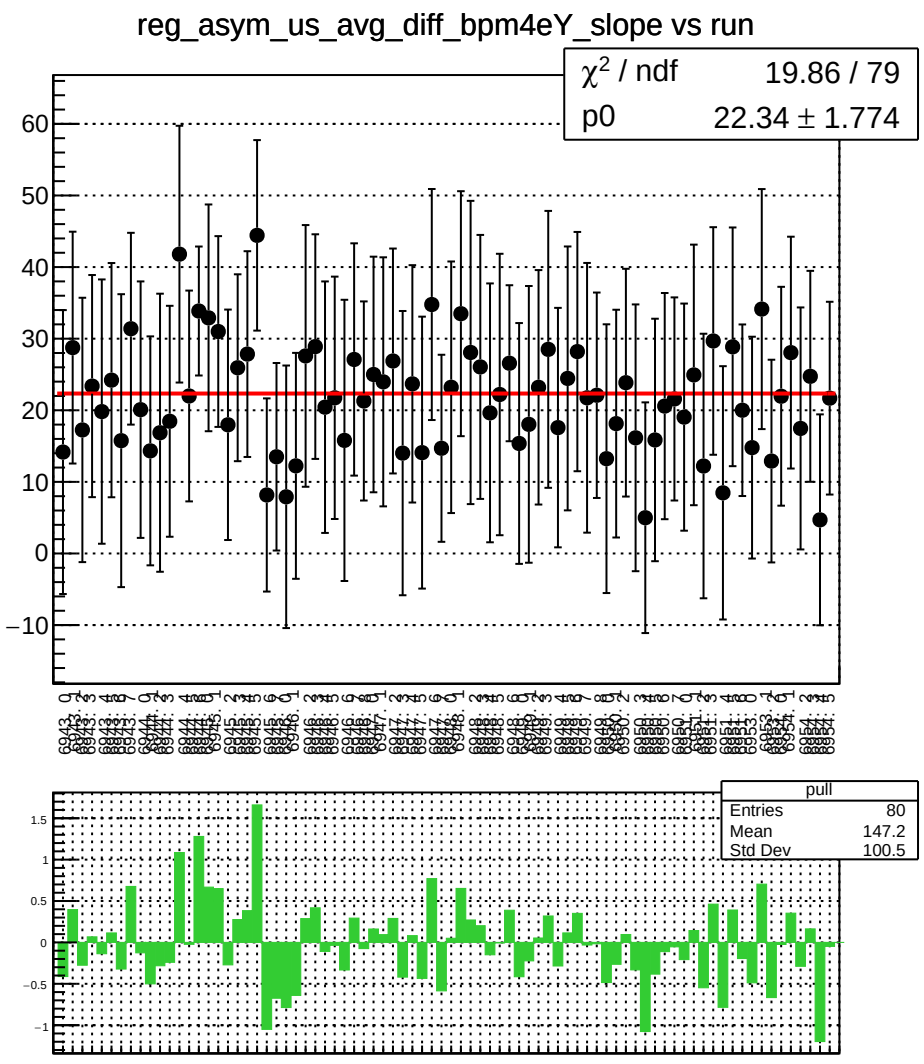

pull1D
Entries 80
Mean −0.02666
Std Dev 0.522

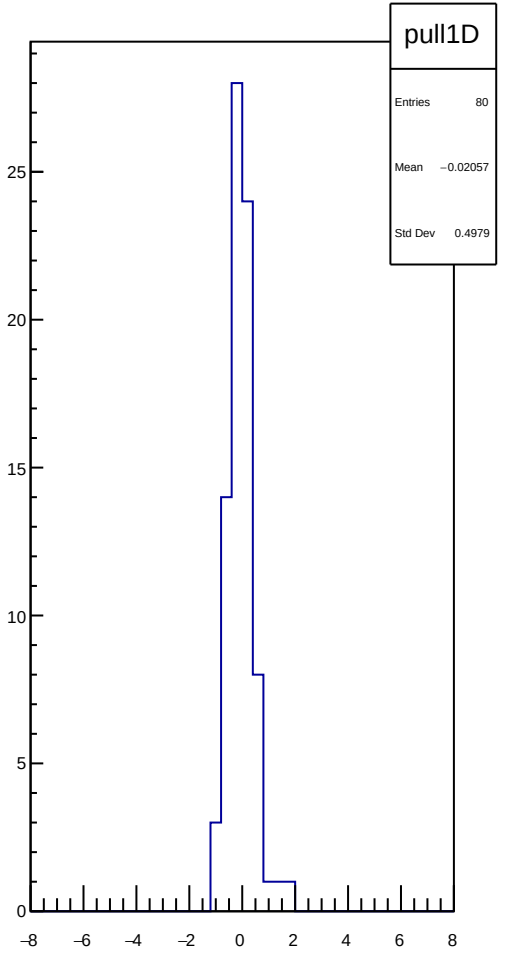

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.63 / 79
p0 −0.5294 ± 1.541
pull
Entries 80
Mean 117.9
Std Dev 67.67

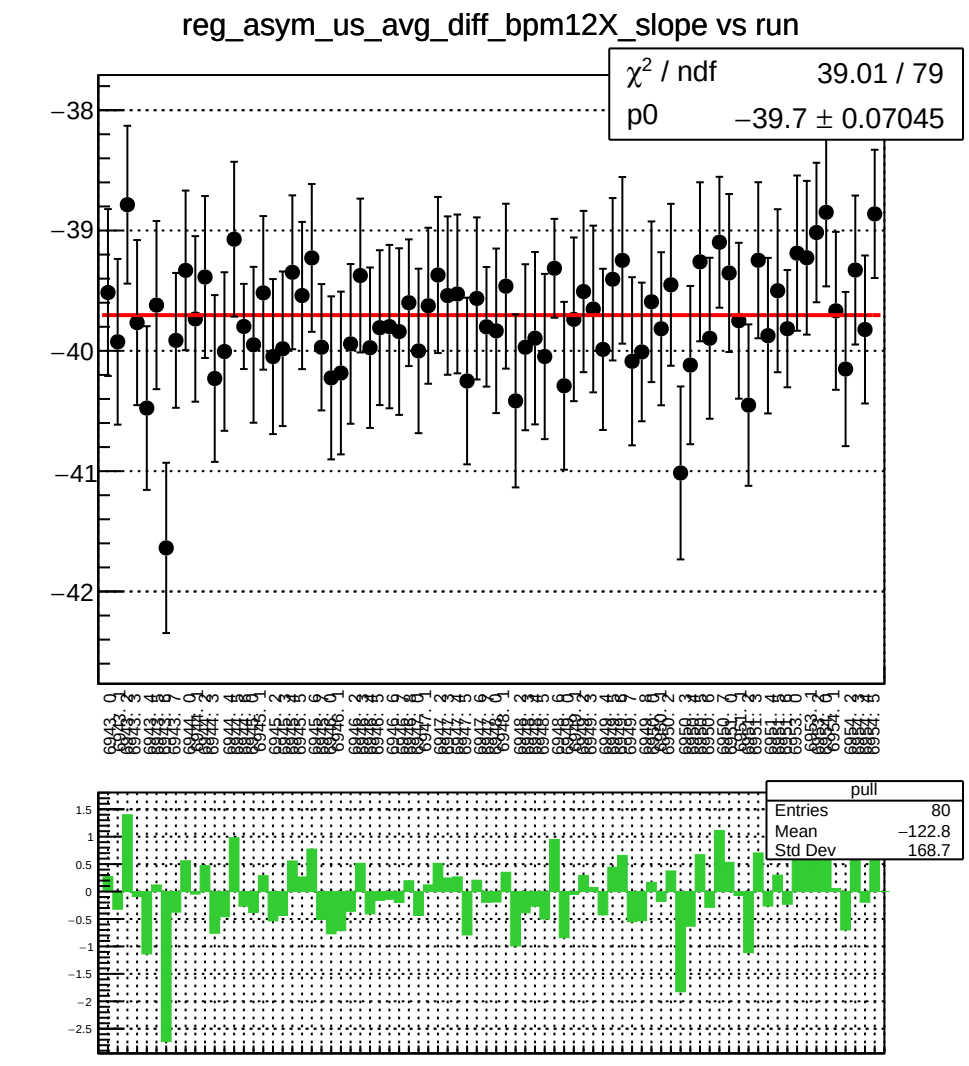

pull1D
Entries 80
Mean 0.02036
Std Dev 0.4821

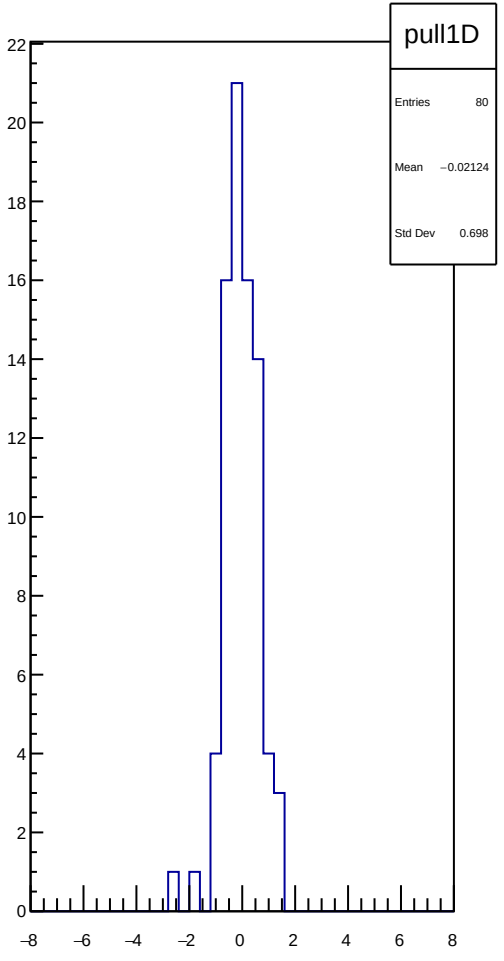

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.97 / 79
p0 68.39 ± 2.034
120
100
80
60
40
pull
Entries 80
Mean 76.03
Std Dev 14.91
1.5
1
0.5
0
−0.5
−1

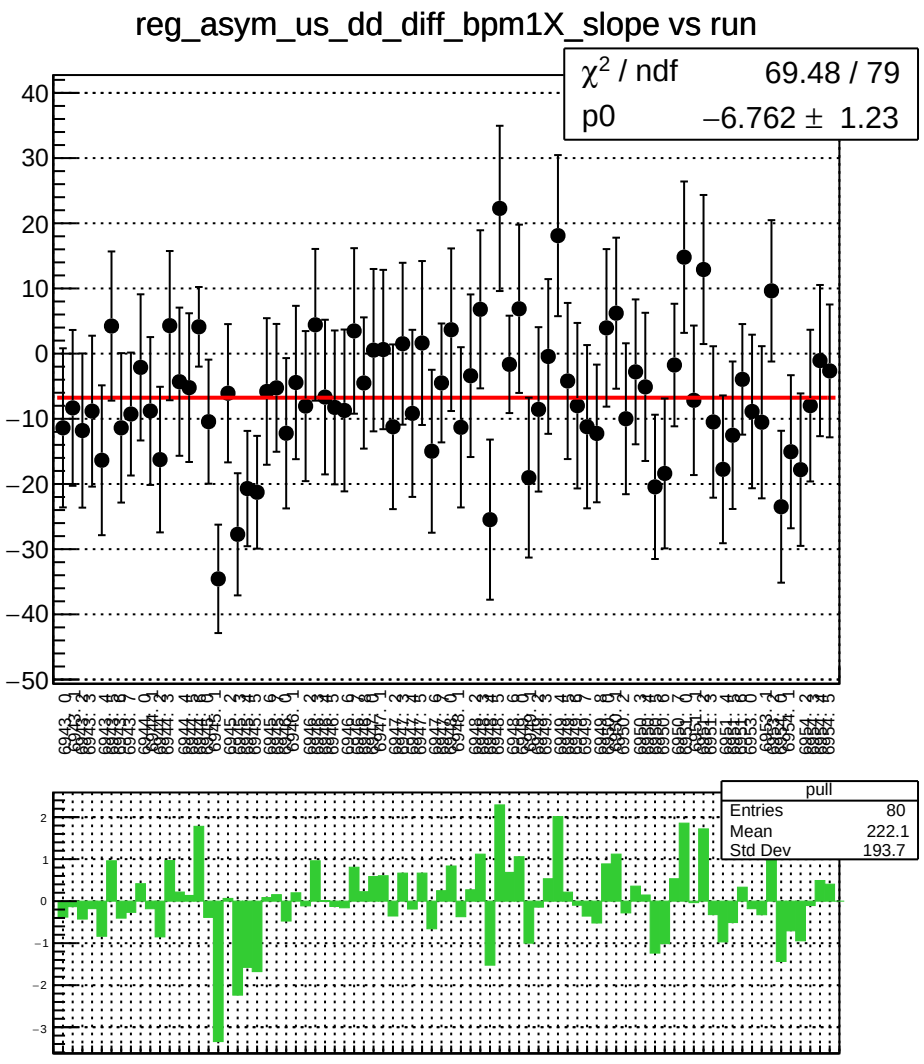

pull1D
Entries 80
Mean 0.02612
Std Dev 0.5234
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

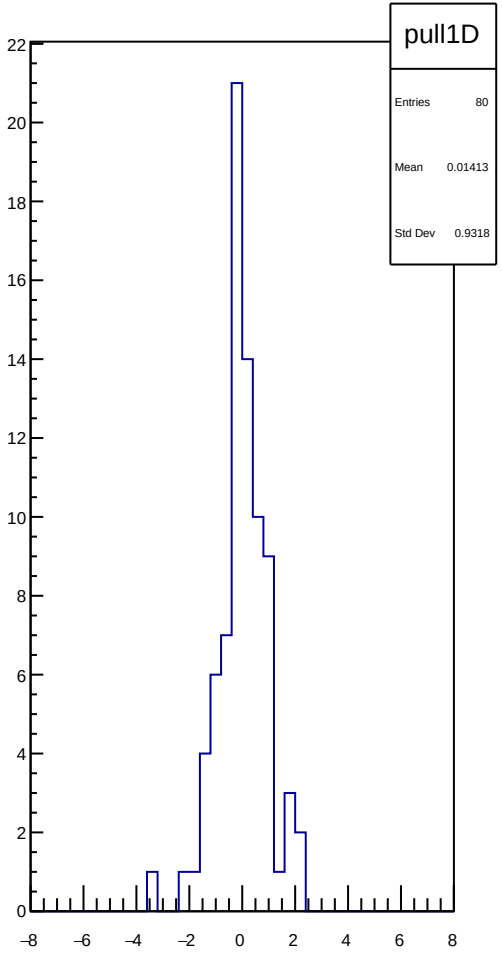

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.86 / 79
p0 22.34 ± 1.774
pull
Entries 80
Mean 147.2
Std Dev 100.5

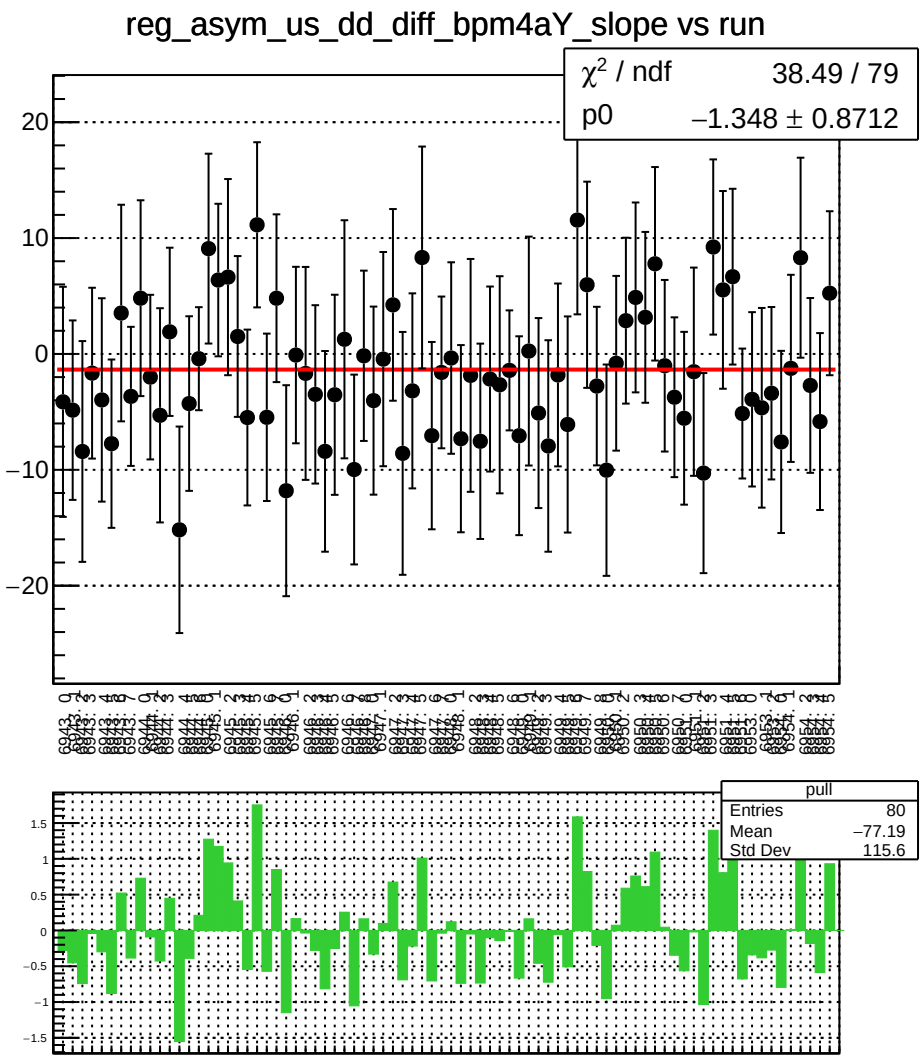

pull1D
Entries 80
Mean −0.02057
Std Dev 0.4979

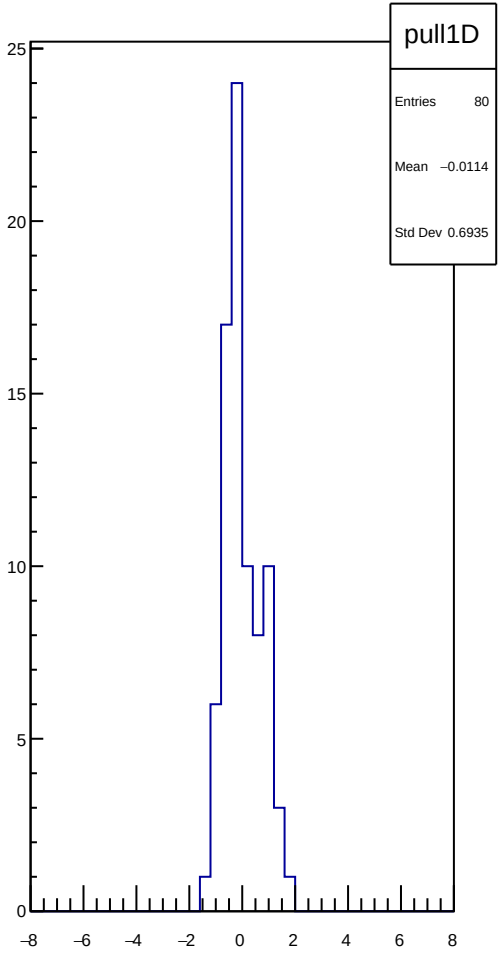

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 39.01 / 79
p0 −39.7 ± 0.07045
pull
Entries 80
Mean −122.8
Std Dev 168.7

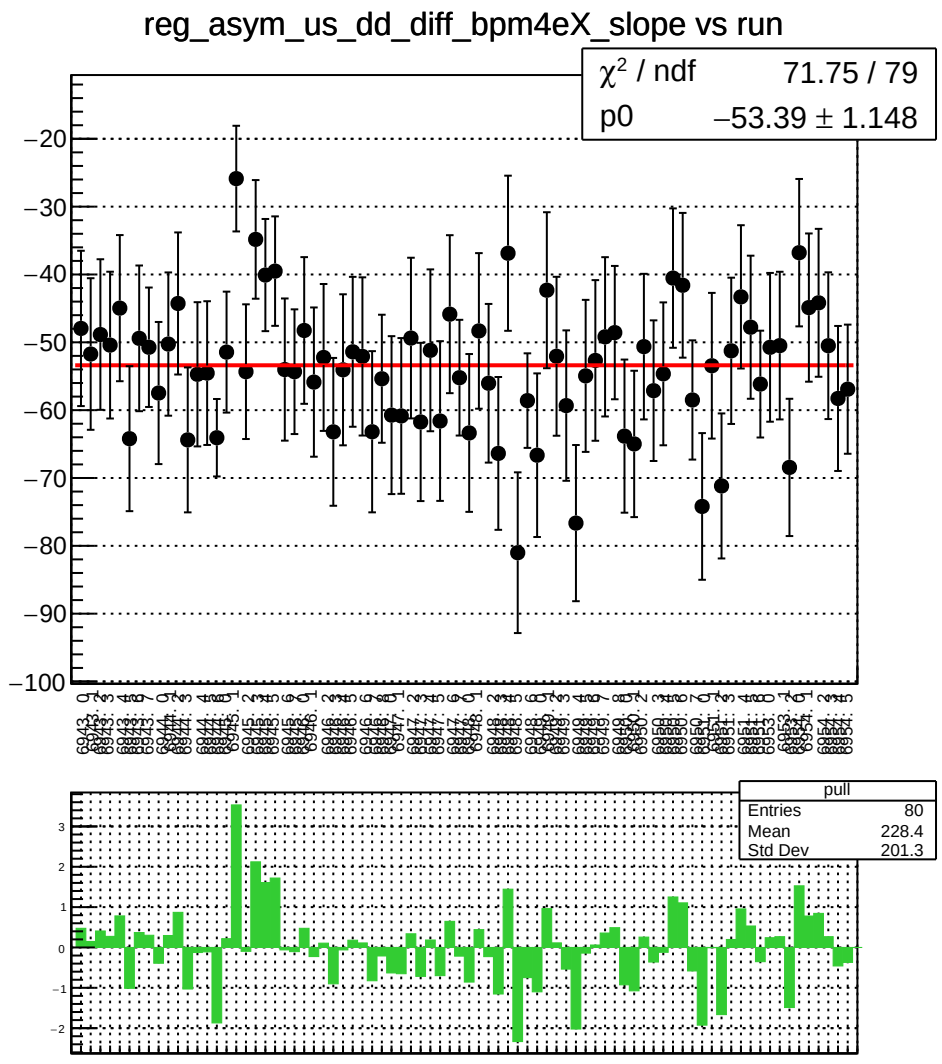

pull1D
Entries 80
Mean −0.02124
Std Dev 0.698

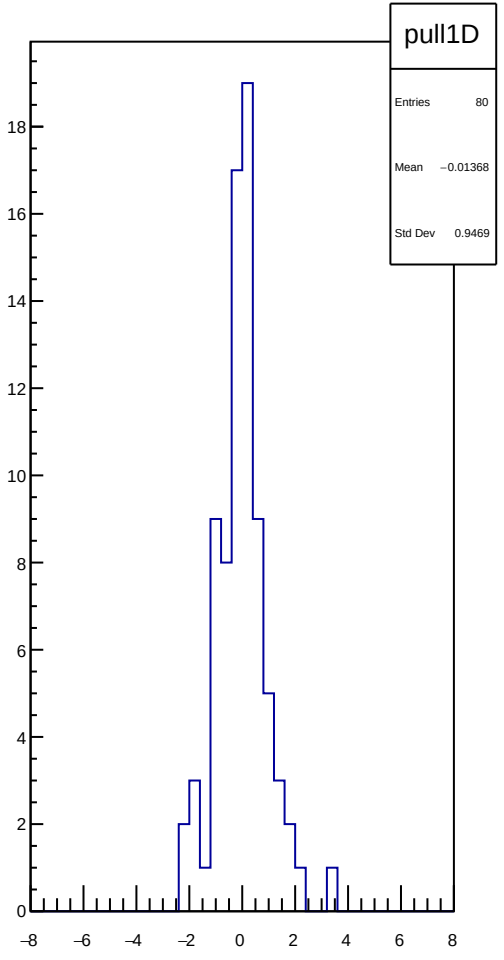

reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 69.48 / 79
p0 −6.762 ± 1.23
pull
Entries 80
Mean 222.1
Std Dev 193.7

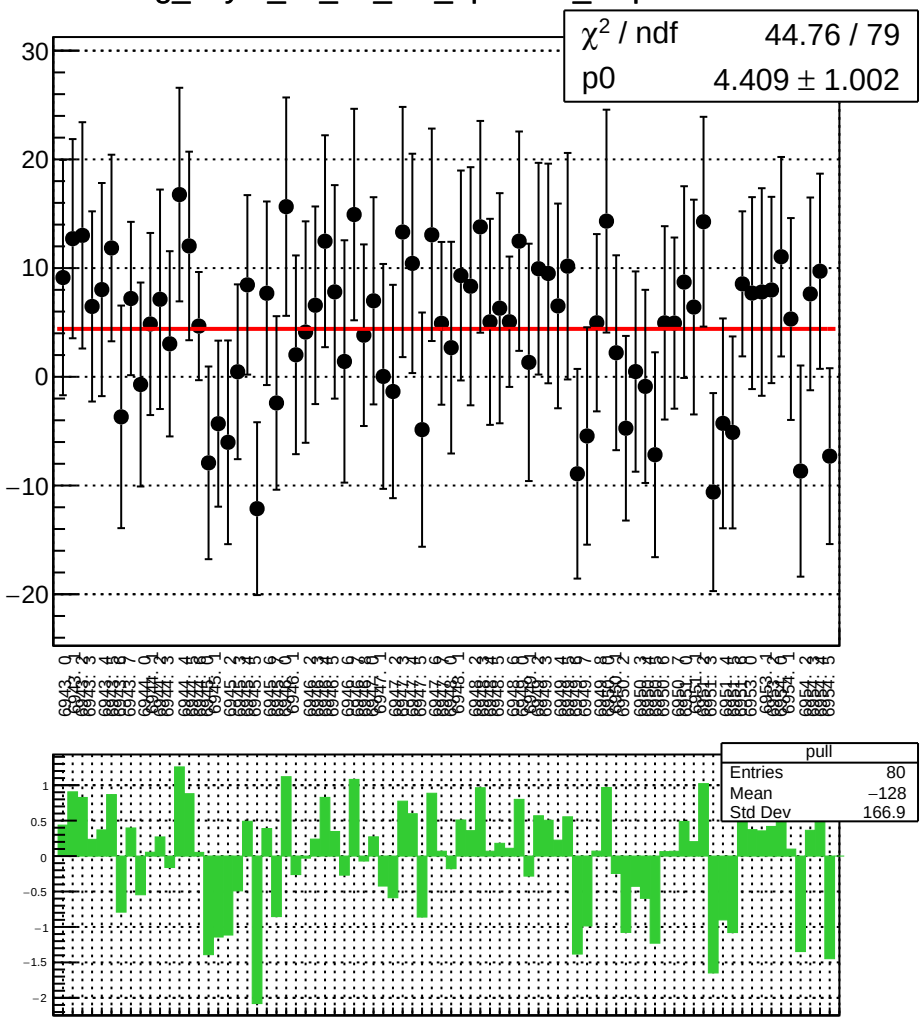

pull1D
Entries 80
Mean 0.01413
Std Dev 0.9318

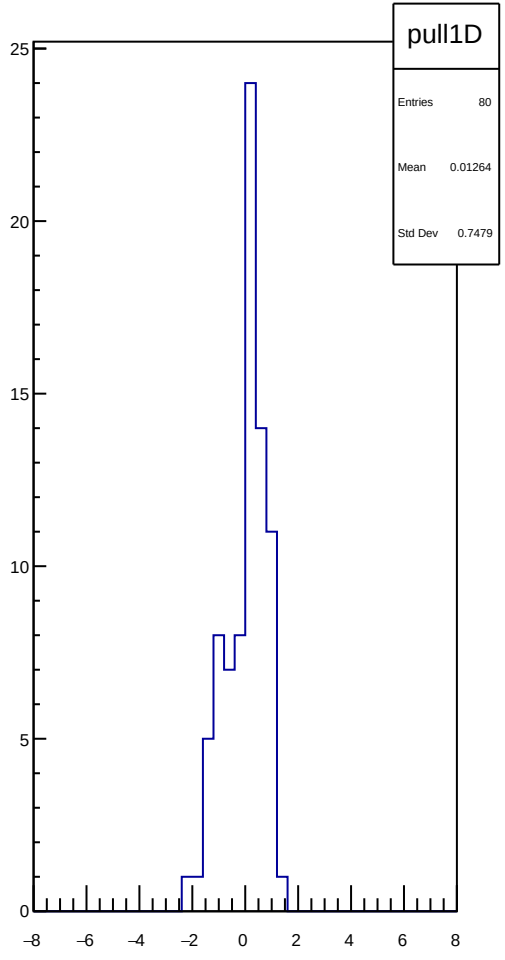

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.49 / 79
p0 −1.348 ± 0.8712
pull
Entries 80
Mean −77.19
Std Dev 115.6

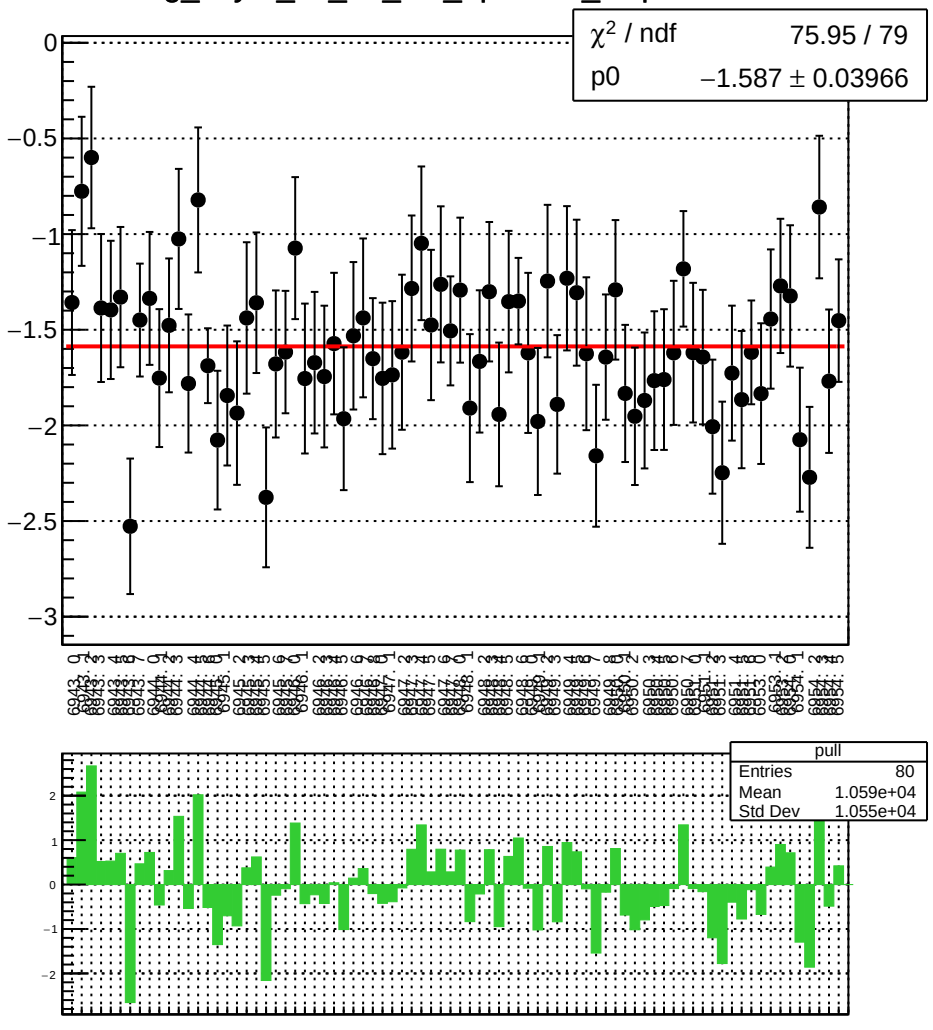

pull1D
Entries 80
Mean −0.0114
Std Dev 0.6935

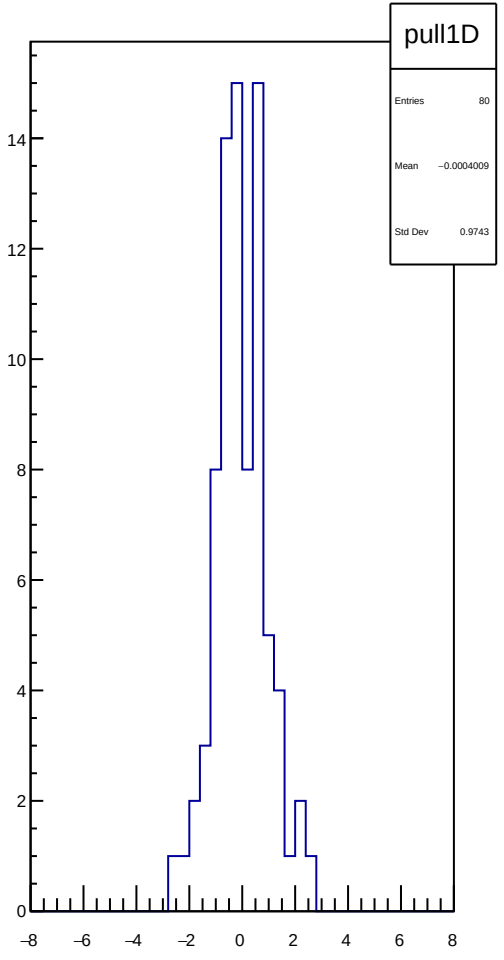

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.75 / 79
p0 −53.39 ± 1.148
pull
Entries 80
Mean 228.4
Std Dev 201.3

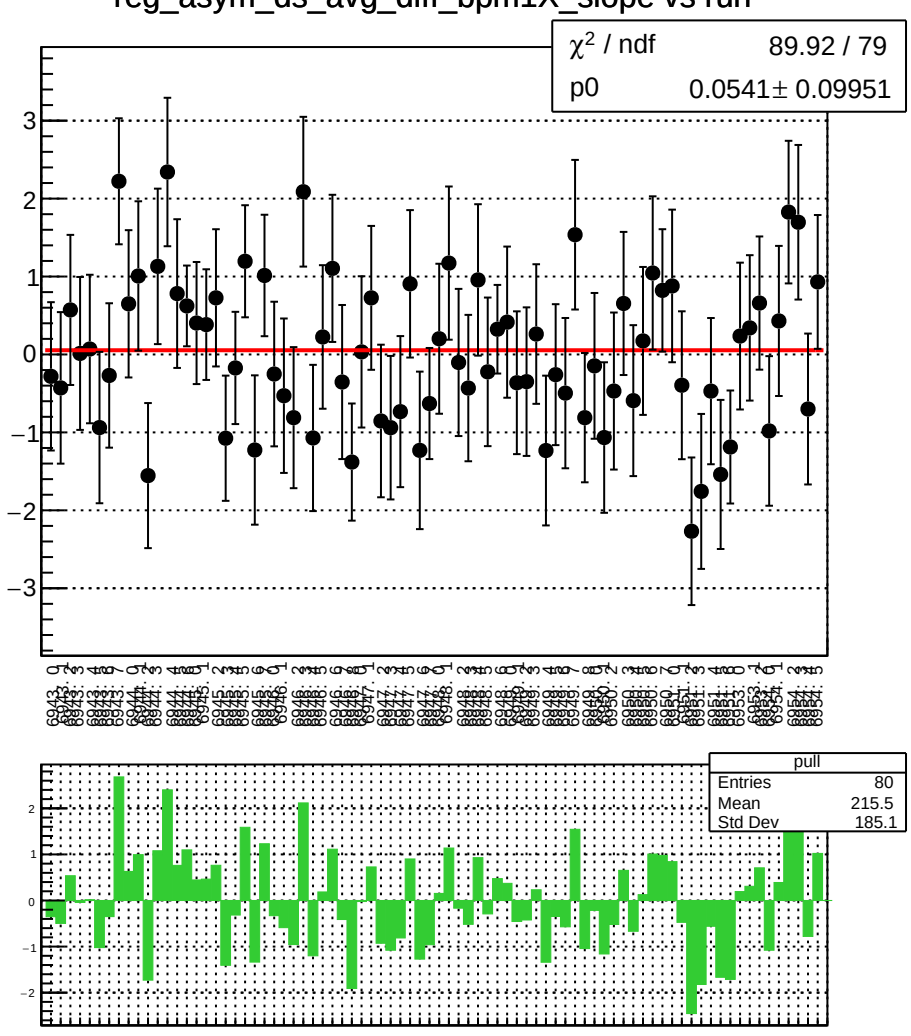

pull1D
Entries 80
Mean −0.01368
Std Dev 0.9469

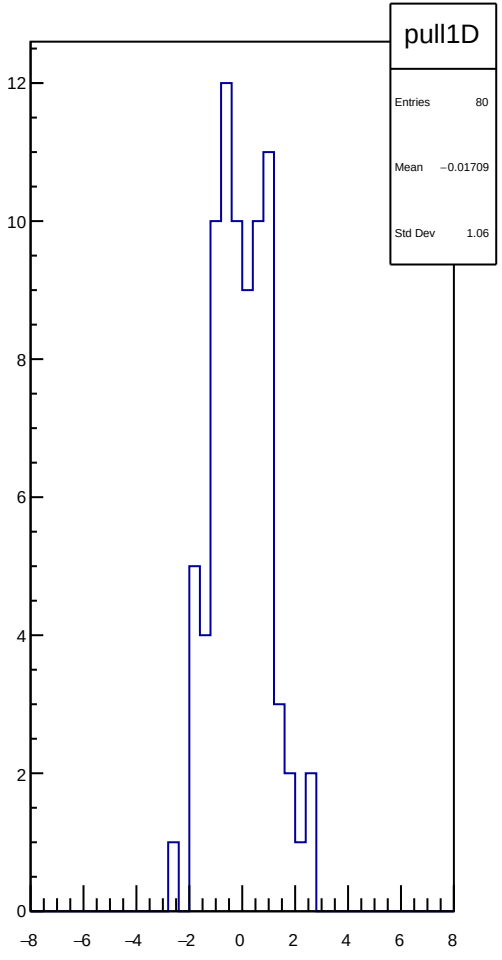

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.76 / 79
p0 4.409 ± 1.002
pull
Entries 80
Mean −128
Std Dev 166.9

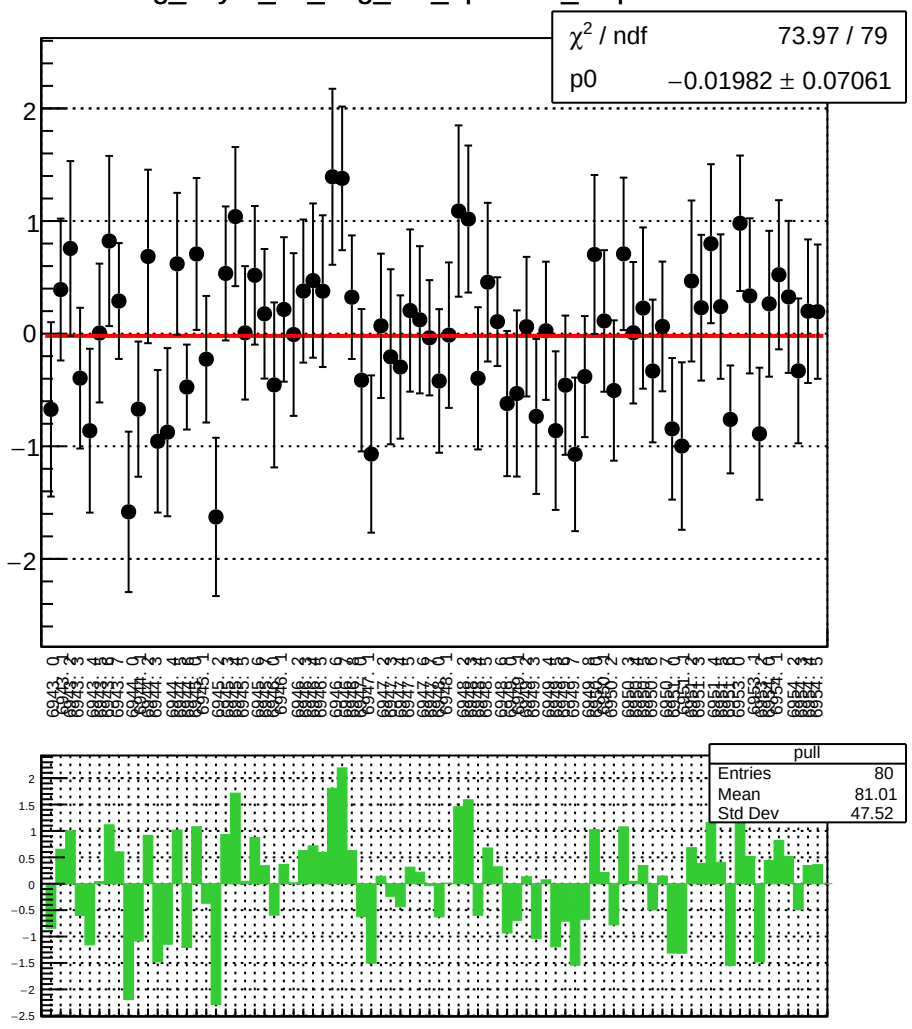

pull1D
Entries 80
Mean 0.01264
Std Dev 0.7479

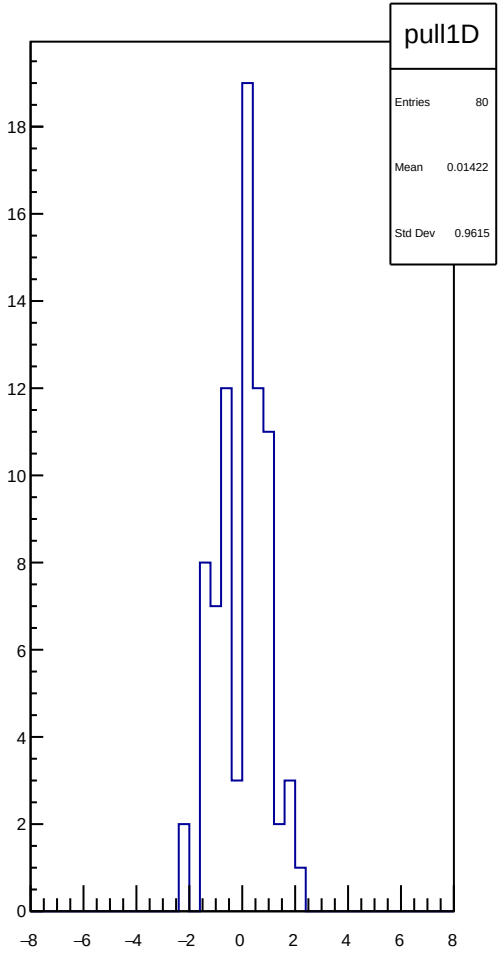

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 75.95 / 79
p0 −1.587 ± 0.03966
pull
Entries 80
Mean 1.059e+04
Std Dev 1.055e+04

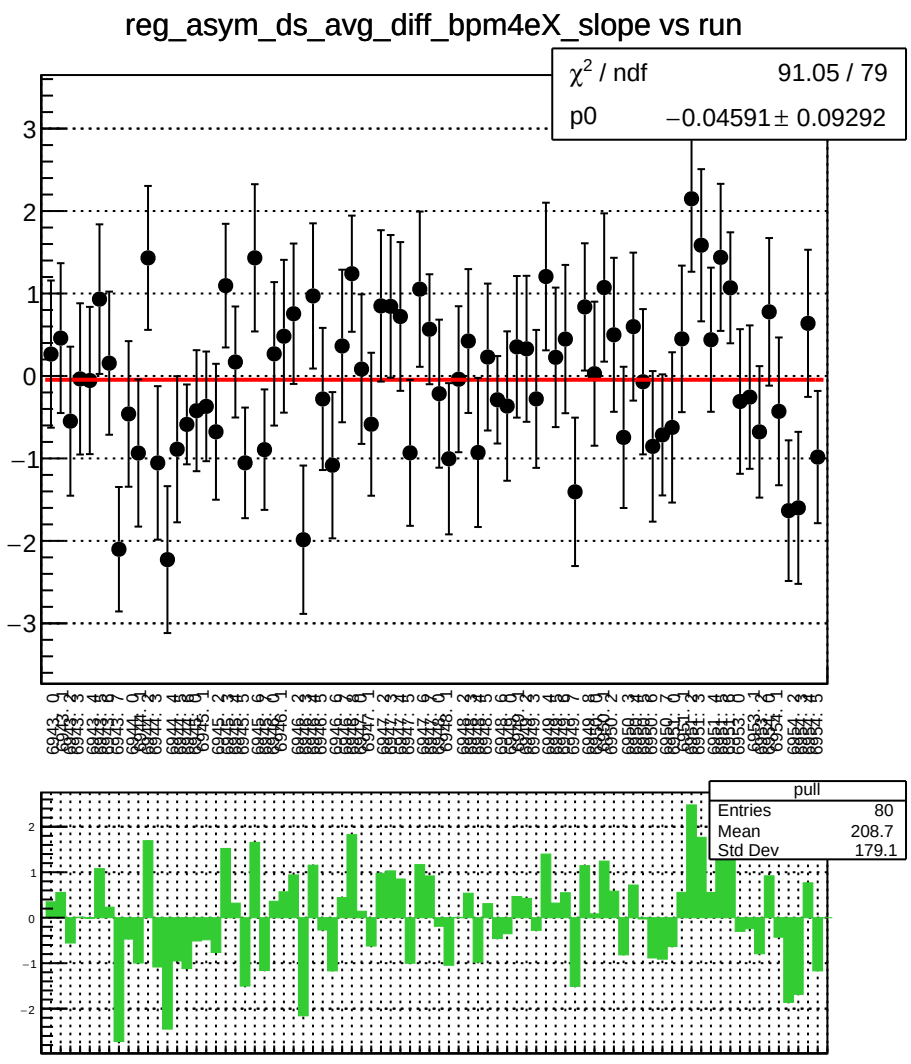

pull1D
Entries 80
Mean −0.0004009
Std Dev 0.9743

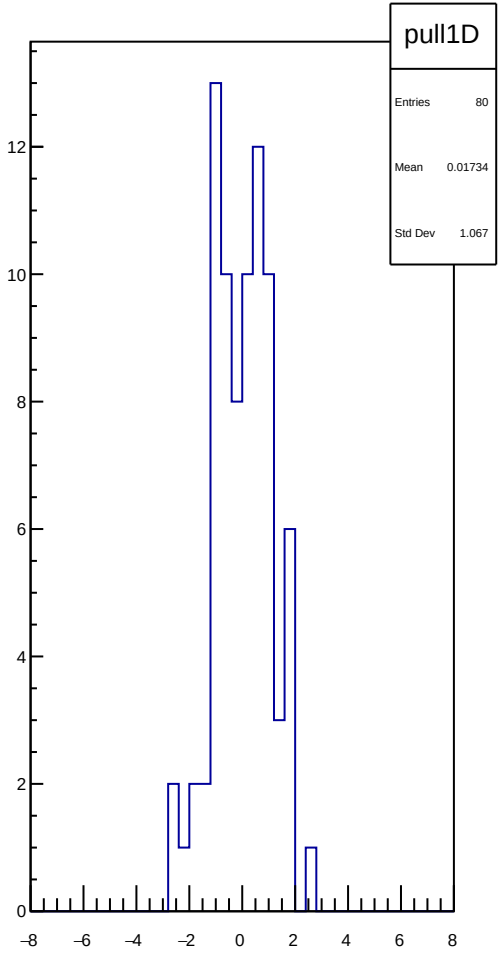

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 89.92 / 79
p0 0.0541± 0.09951
pull
Entries 80
Mean 215.5
Std Dev 185.1

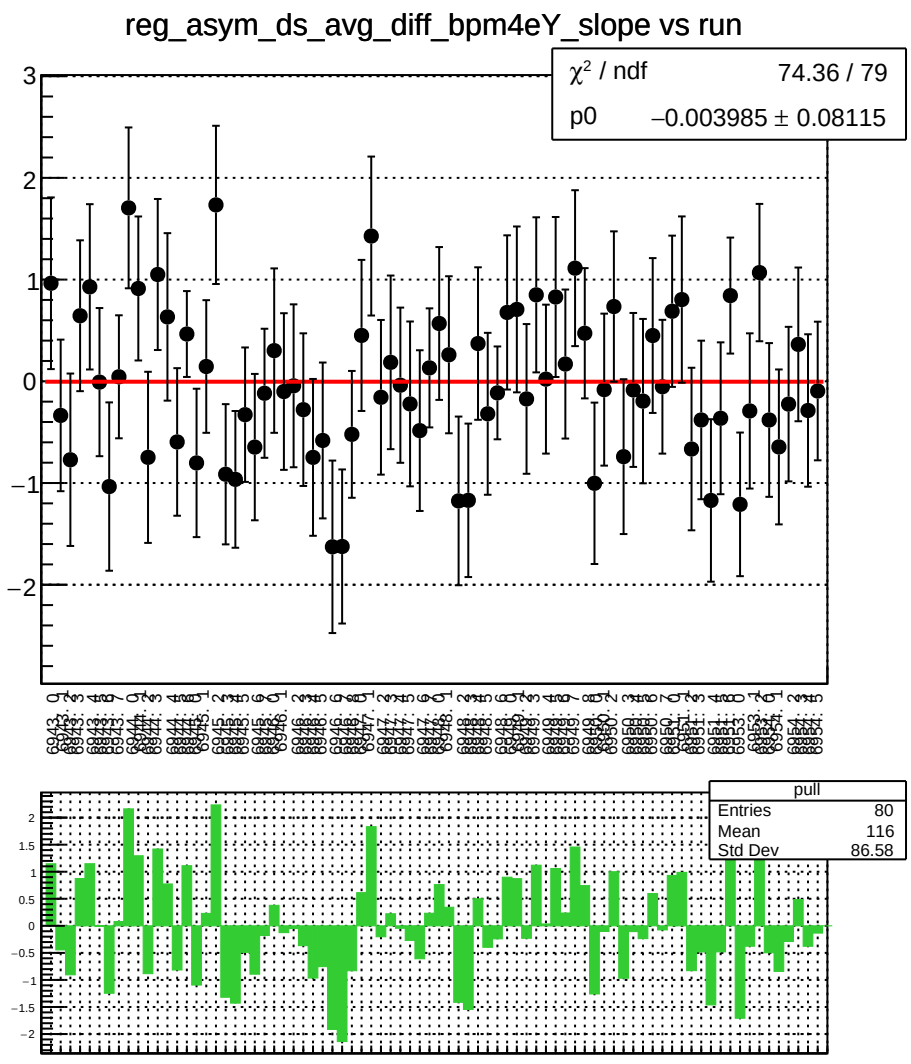

pull1D
Entries 80
Mean −0.01709
Std Dev 1.06

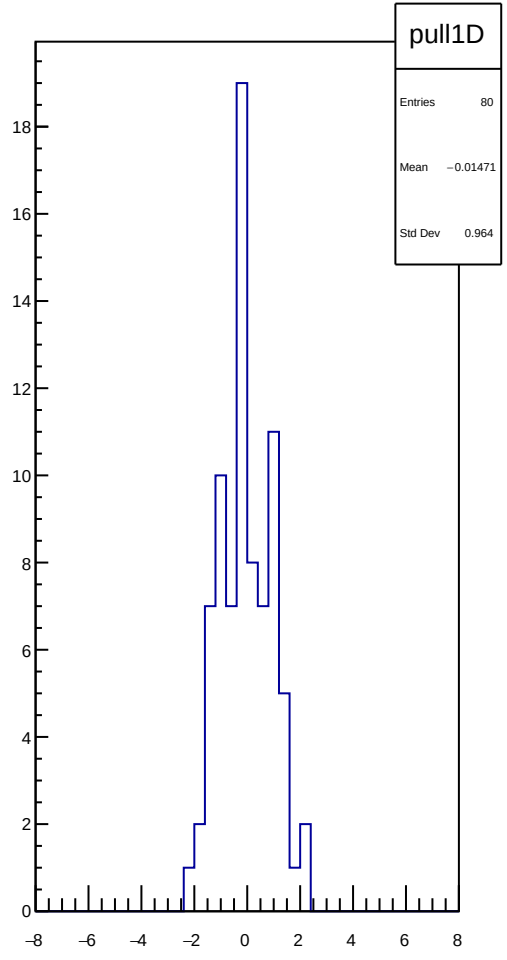

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.97 / 79
p0 −0.01982 ± 0.07061
pull
Entries 80
Mean 81.01
Std Dev 47.52

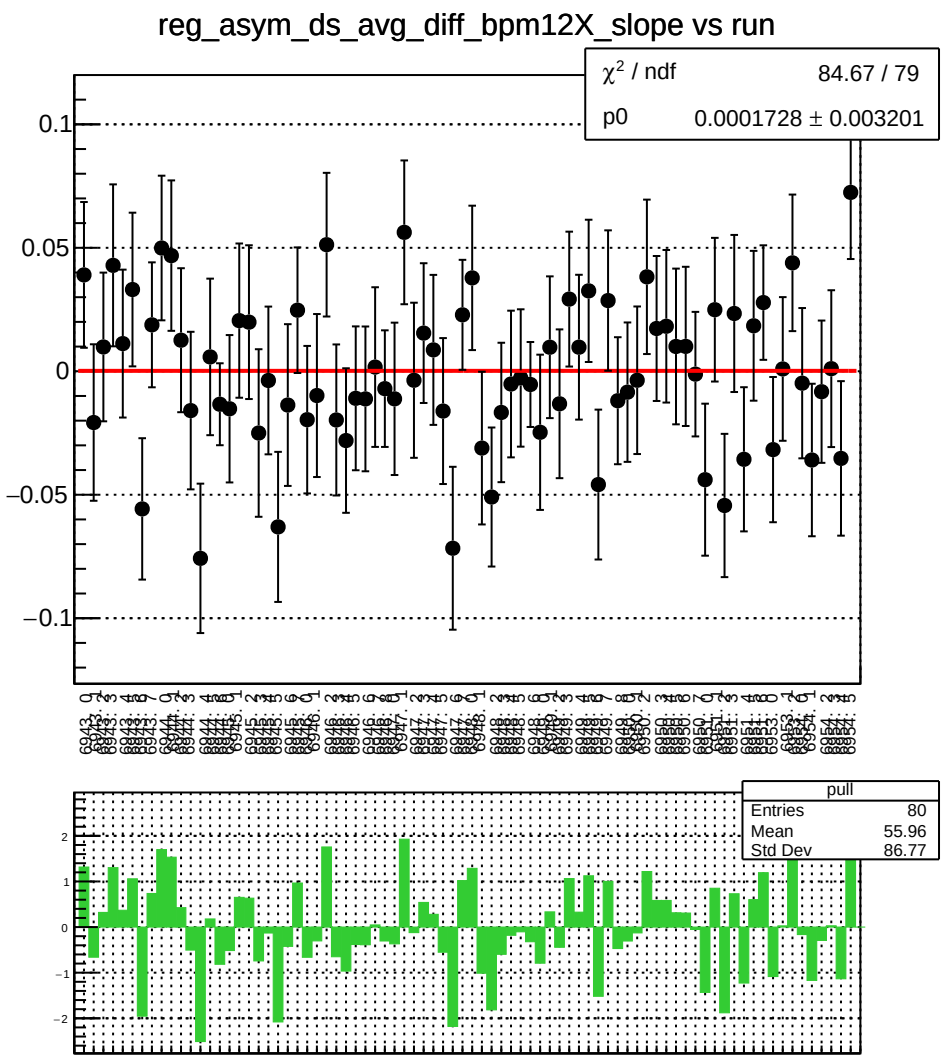

pull1D
Entries 80
Mean 0.01422
Std Dev 0.9615

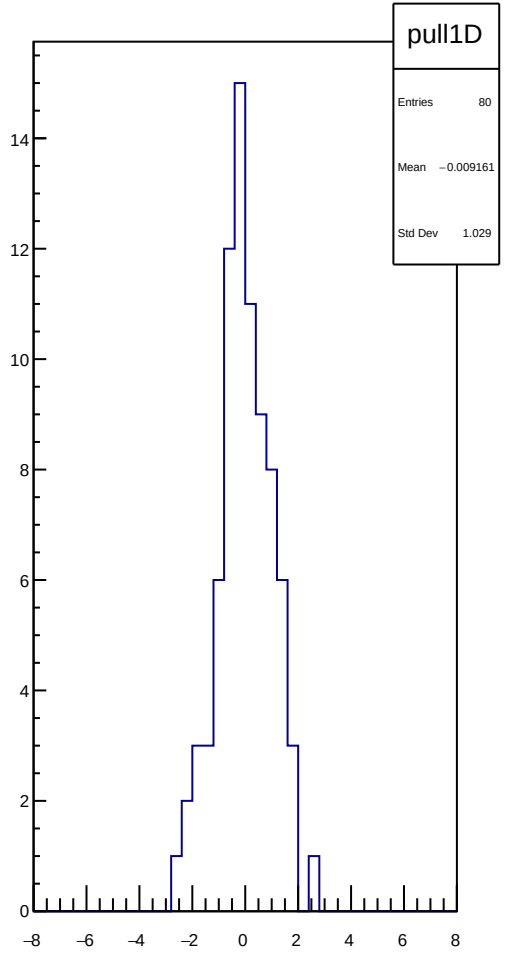

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 91.05 / 79
p0 −0.04591 ± 0.09292
pull
Entries 80
Mean 208.7
Std Dev 179.1

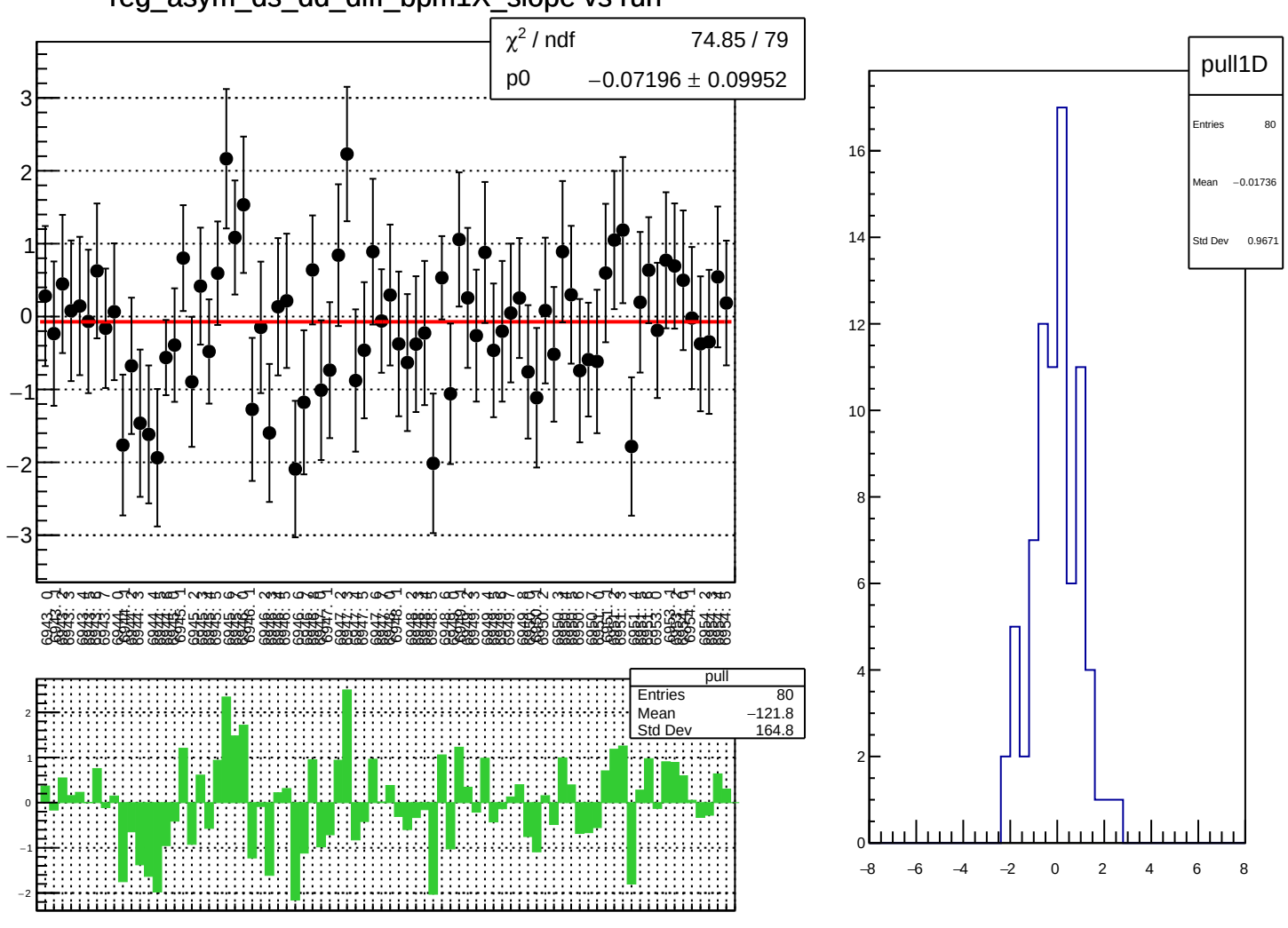

pull1D
Entries 80
Mean 0.01734
Std Dev 1.067

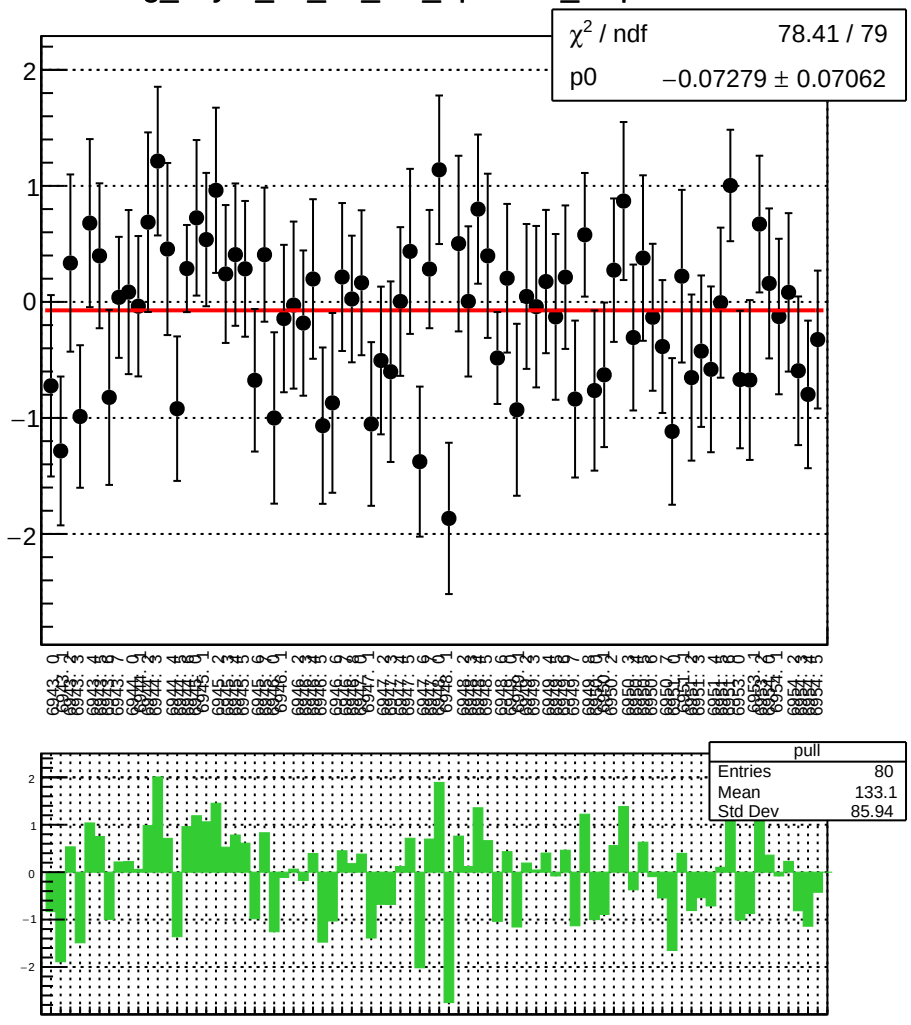

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.36 / 79
p0 −0.003985 ± 0.08115
pull
Entries 80
Mean 116
Std Dev 86.58

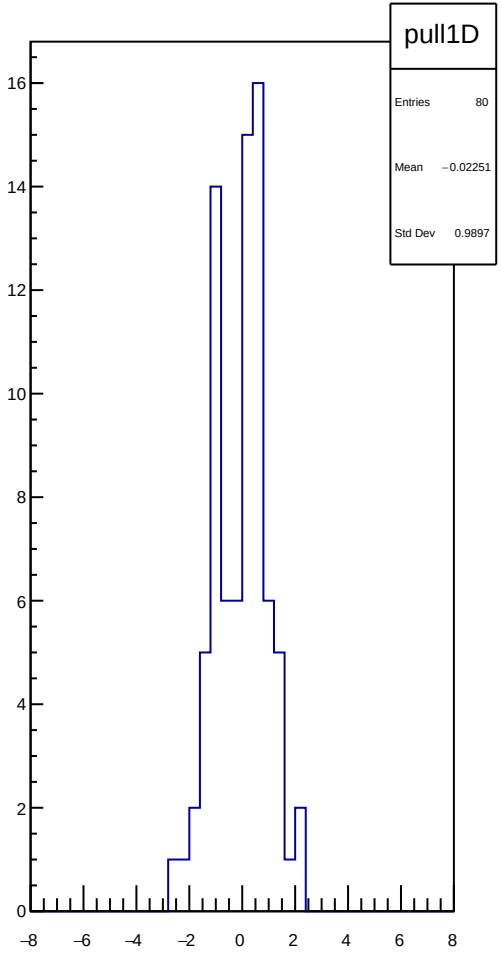

pull1D
Entries 80
Mean −0.01471
Std Dev 0.964

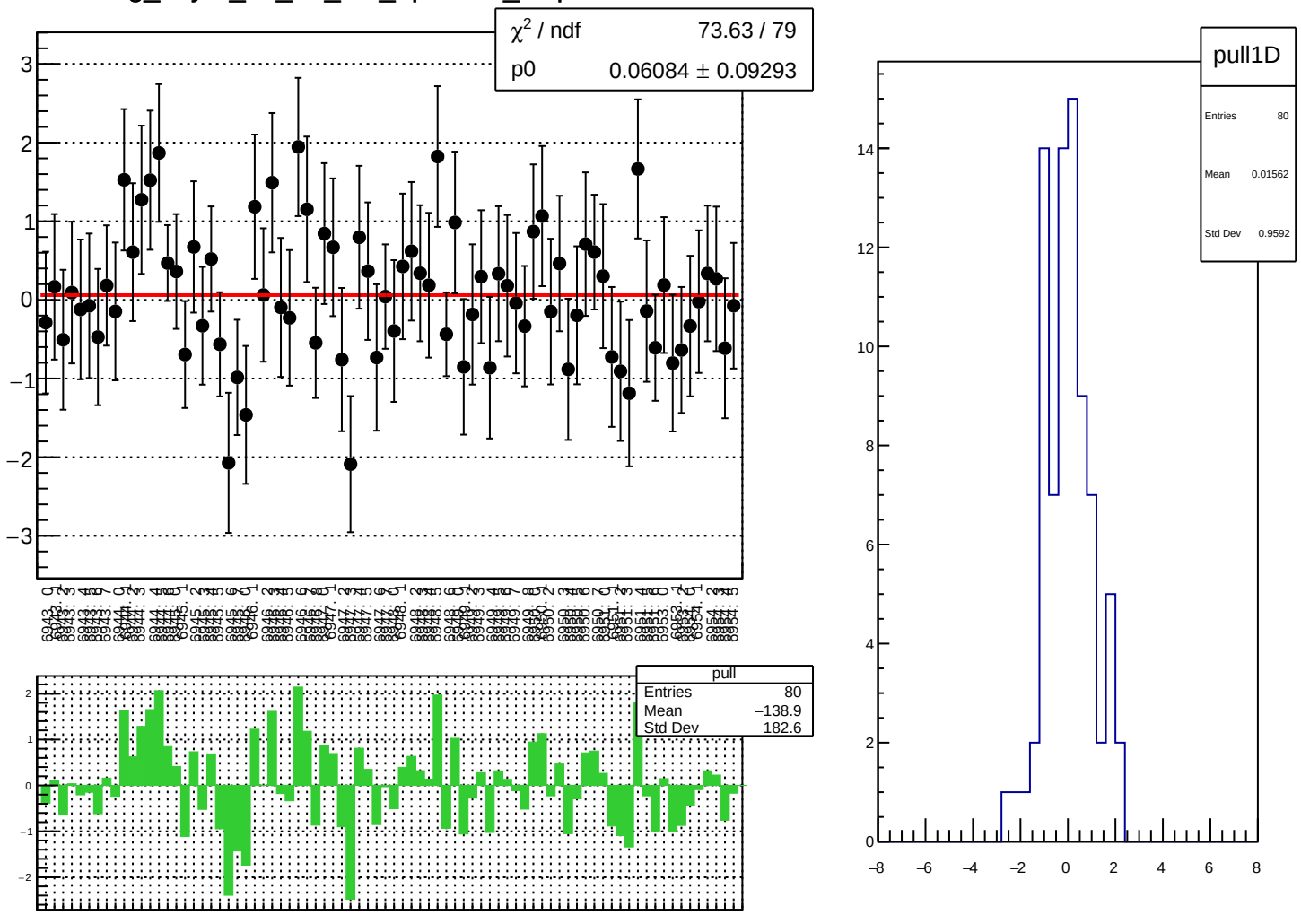

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 84.67 / 79
p0 0.0001728 ± 0.003201
0.1
0.05
0
−0.05
−0.1
pull
Entries 80
Mean 55.96
Std Dev 86.77
2
1
0
−1
−2

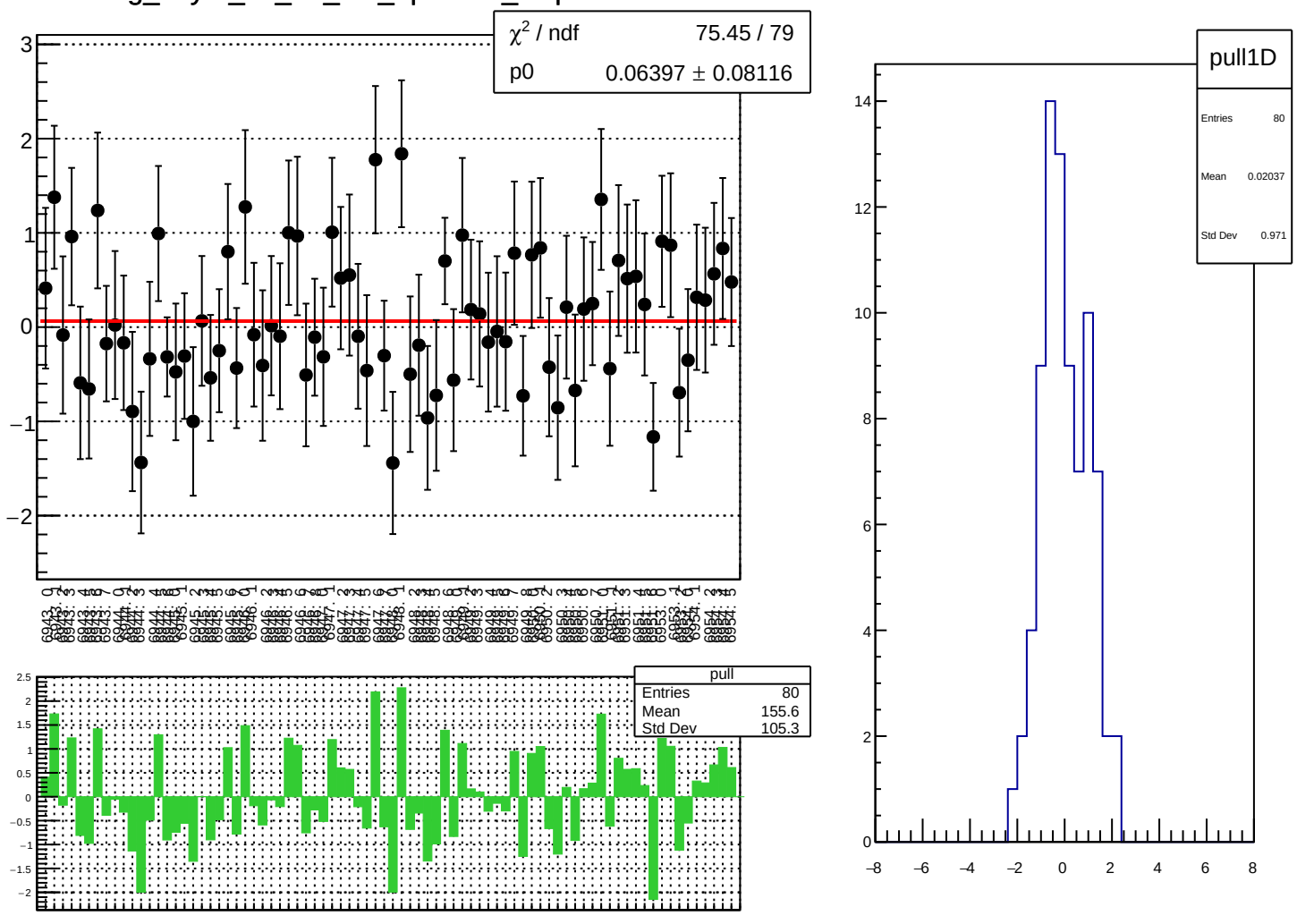

pull1D
Entries 80
Mean −0.009161
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

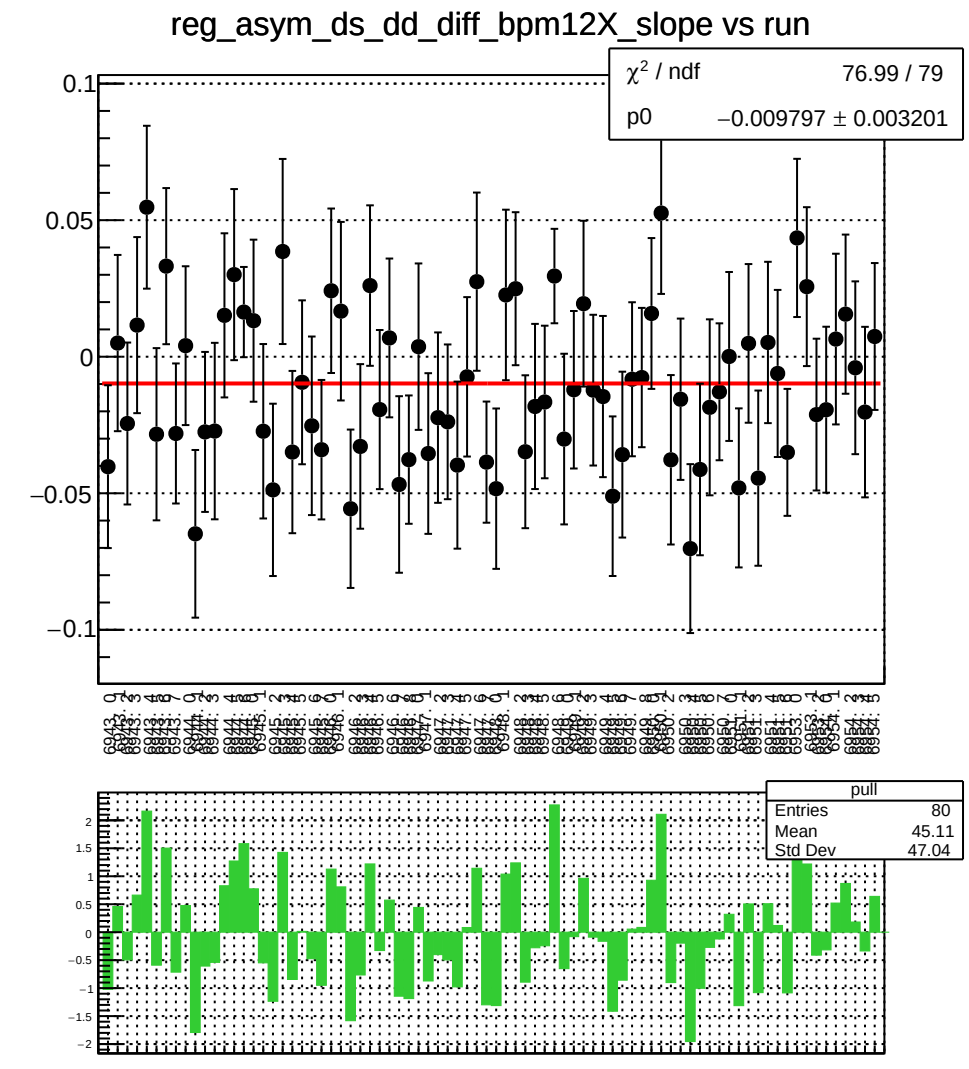

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 74.85 / 79
p0 −0.07196 ± 0.09952
pull
Entries 80
Mean −121.8
Std Dev 164.8
pull1D
Entries 80
Mean −0.01736
Std Dev 0.9671

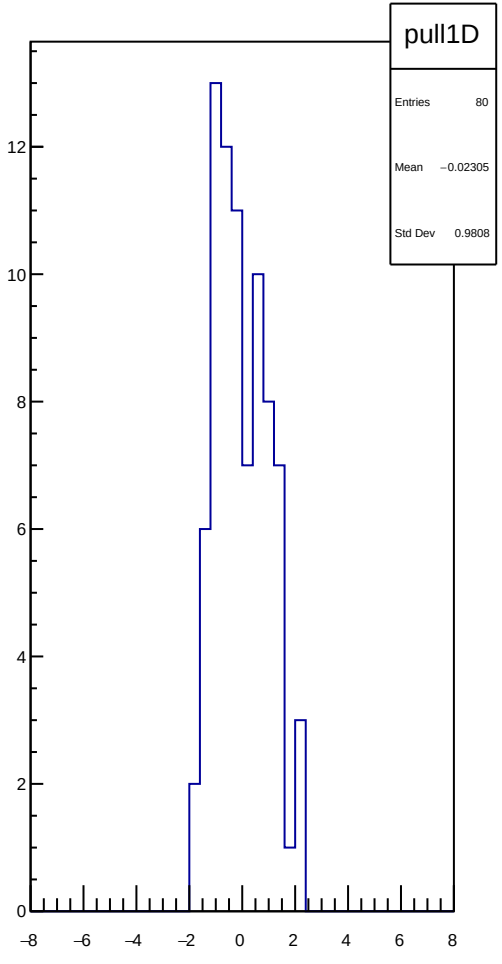

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.41 / 79
p0 −0.07279 ± 0.07062
pull
Entries 80
Mean 133.1
Std Dev 85.94

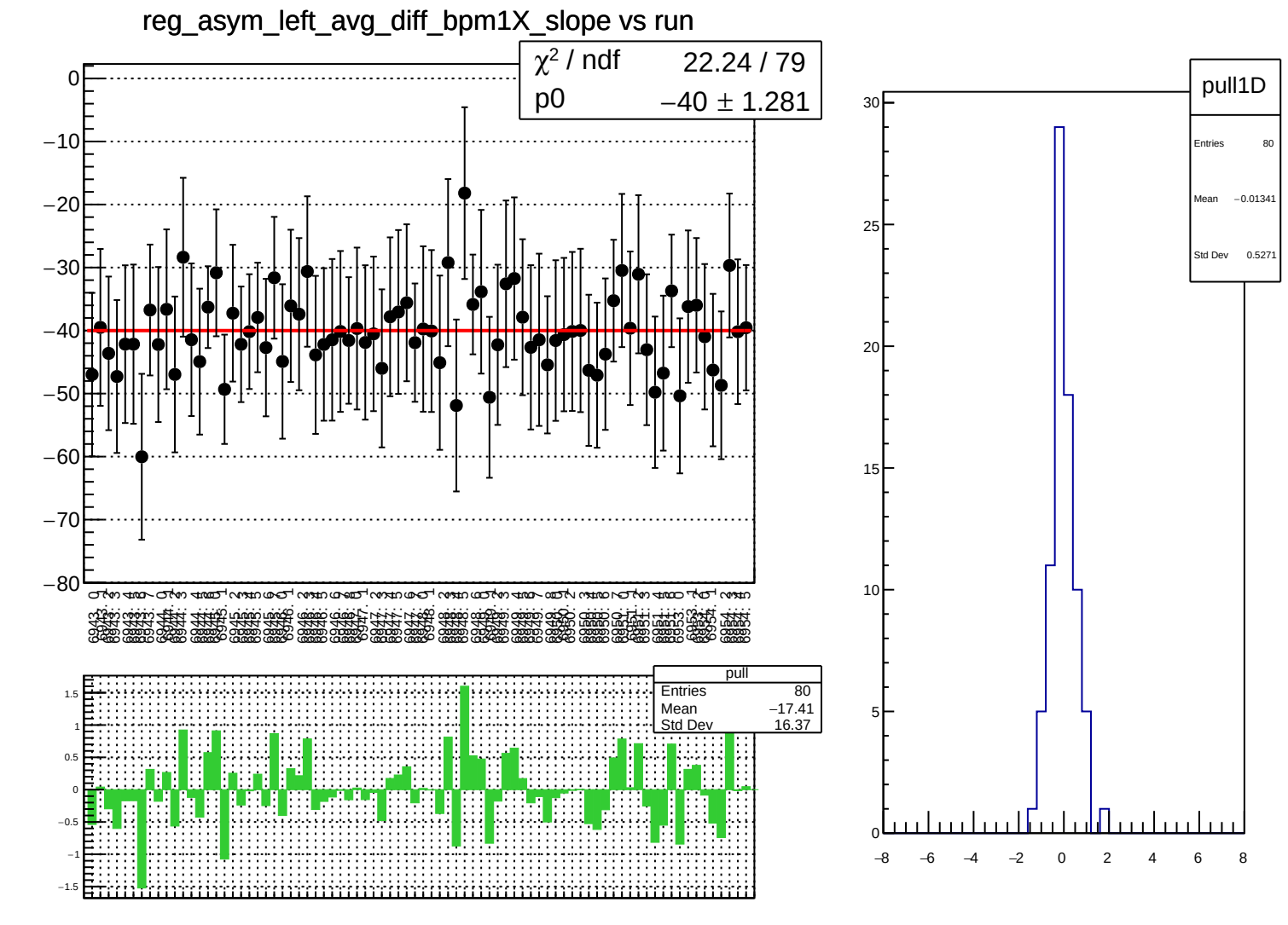

pull1D
Entries 80
Mean −0.02251
Std Dev 0.9897

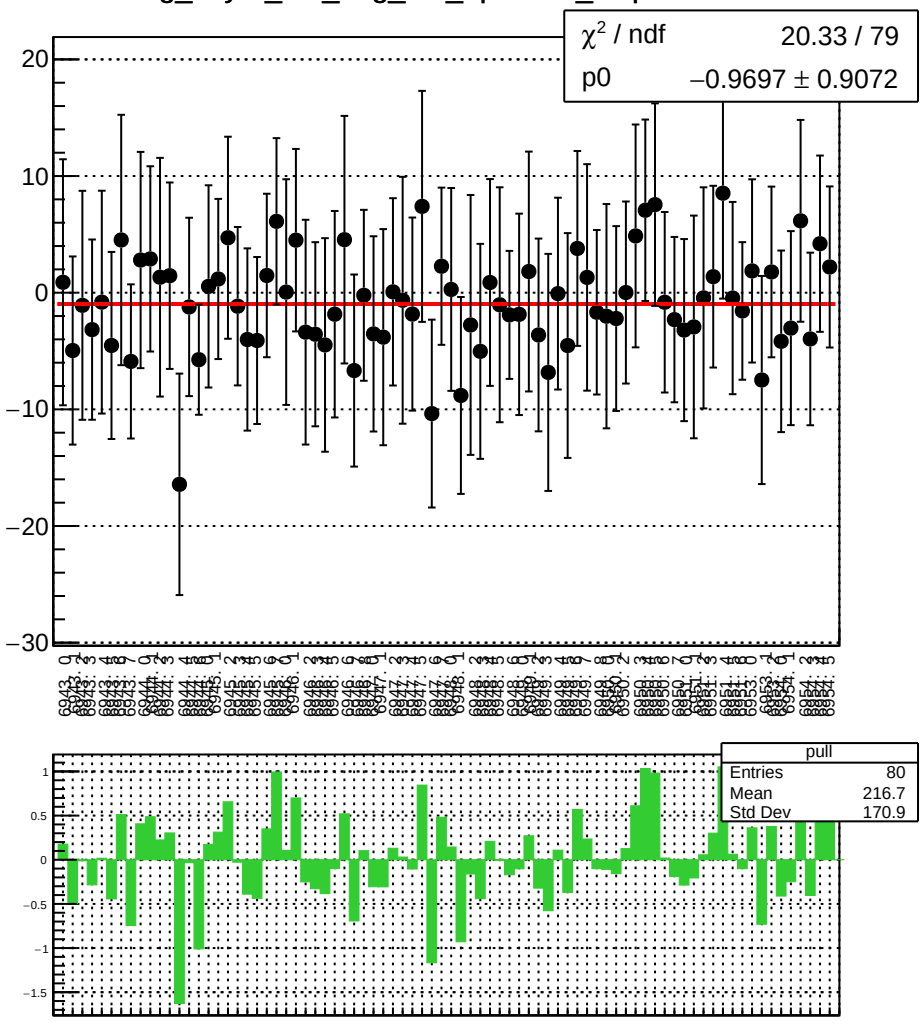

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.63 / 79
p0 0.06084 ± 0.09293
pull
Entries 80
Mean −138.9
Std Dev 182.6
pull1D
Entries 80
Mean 0.01562
Std Dev 0.9592

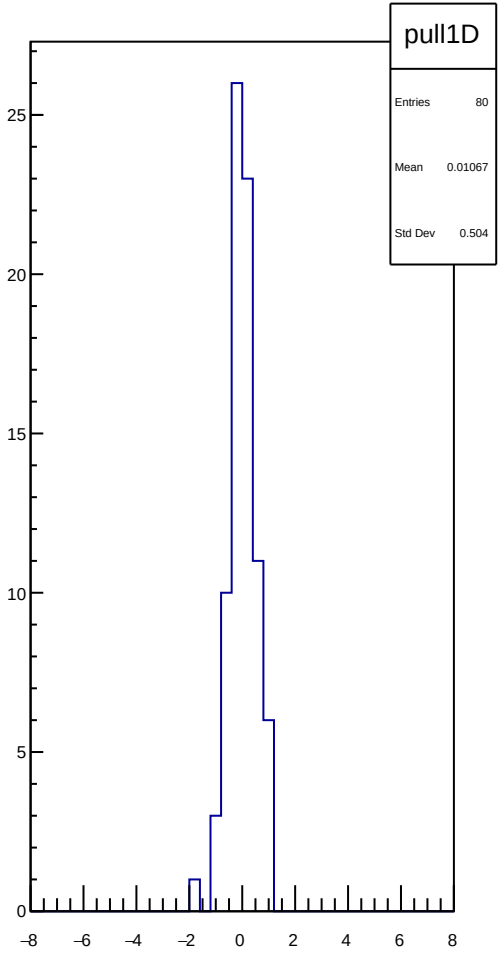

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.45 / 79
p0 0.06397 ± 0.08116
pull
Entries 80
Mean 155.6
Std Dev 105.3
pull1D
Entries 80
Mean 0.02037
Std Dev 0.971

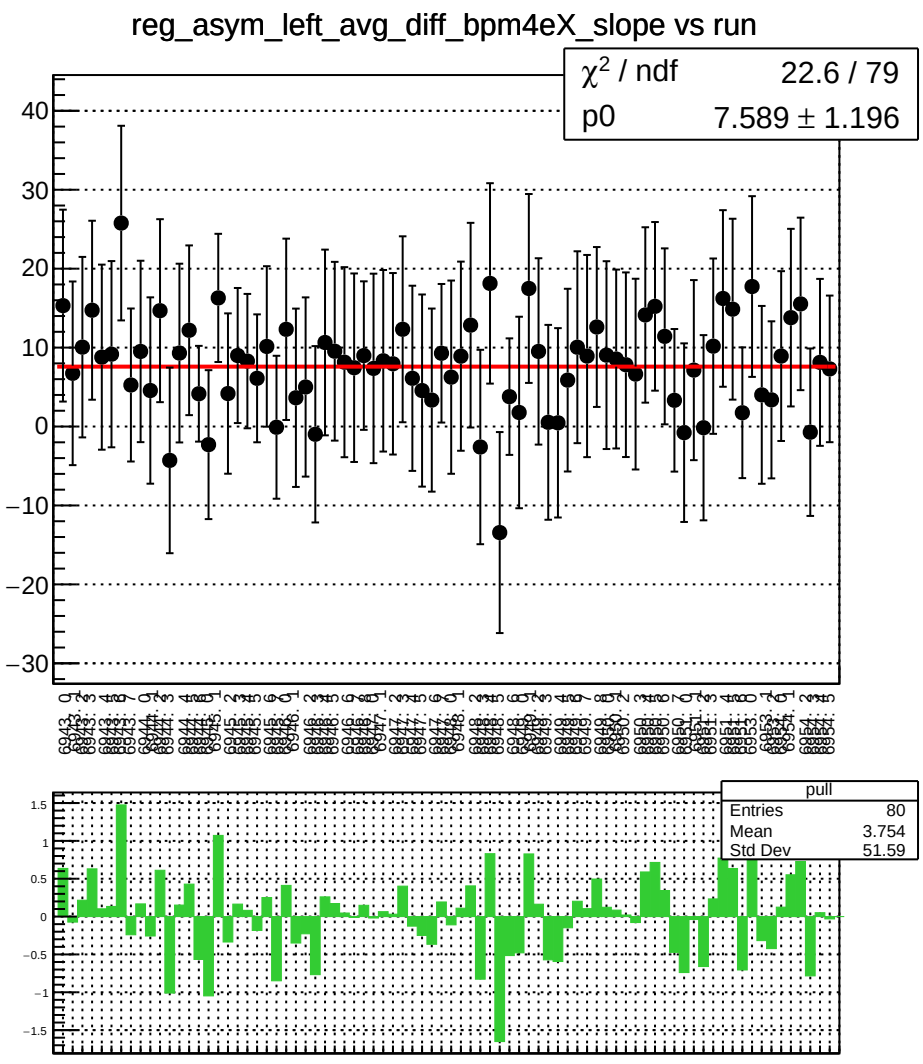

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 76.99 / 79
p0 −0.009797 ± 0.003201
pull
Entries 80
Mean 45.11
Std Dev 47.04

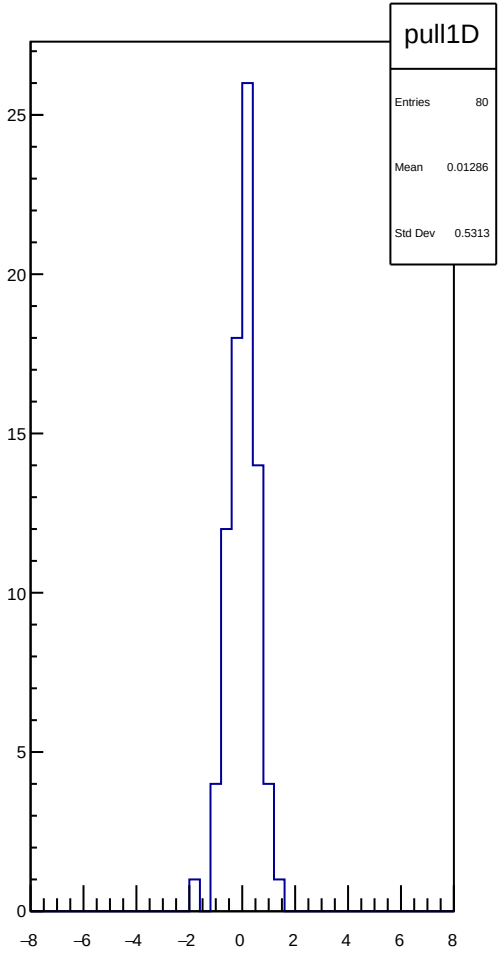

pull1D
Entries 80
Mean −0.02305
Std Dev 0.9808

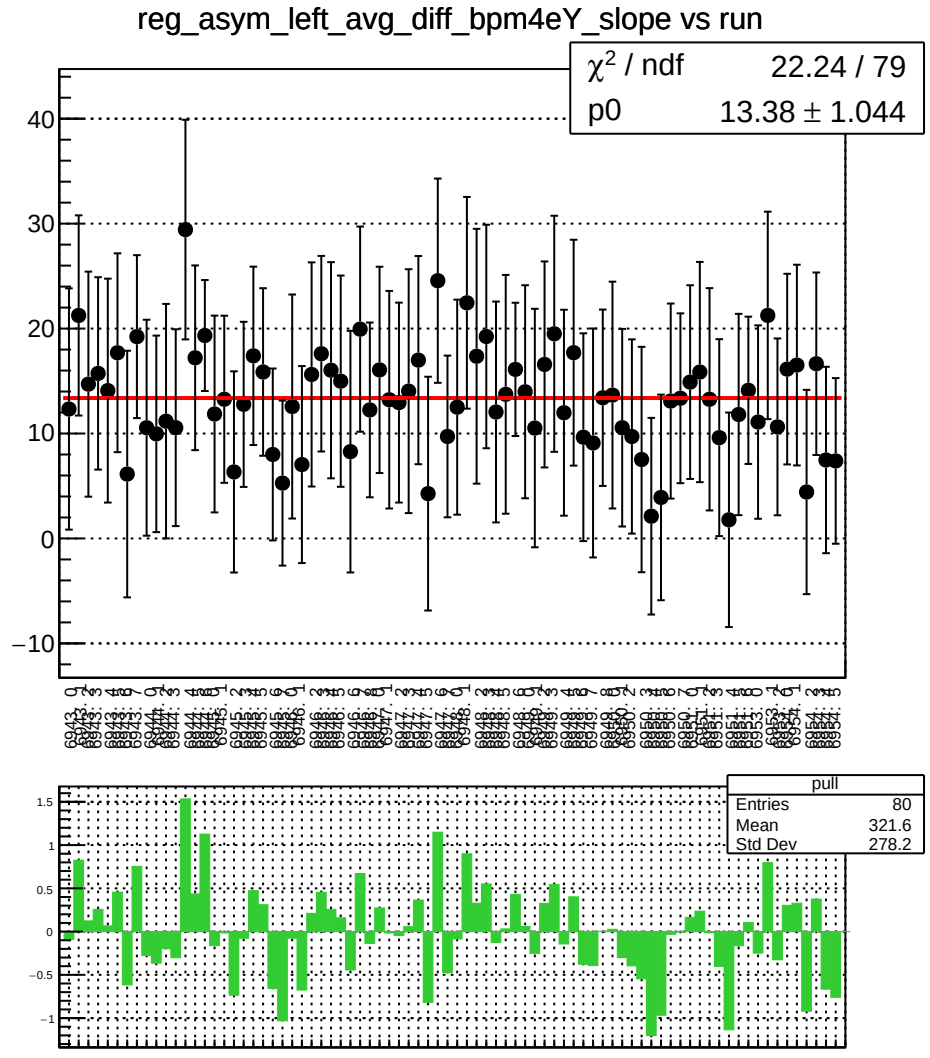

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 22.24 / 79
p0 −40 ± 1.281
pull
Entries 80
Mean −17.41
Std Dev 16.37
pull1D
Entries 80
Mean −0.01341
Std Dev 0.5271

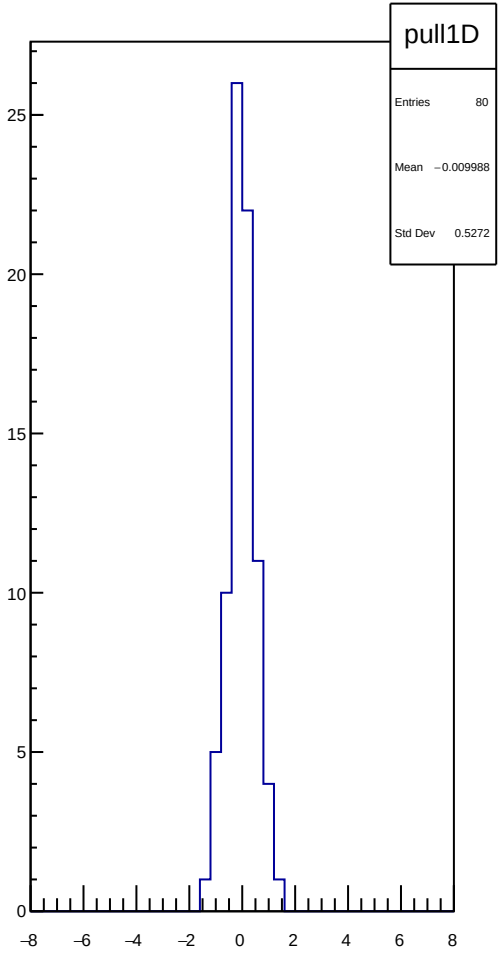

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.33 / 79
p0 −0.9697 ± 0.9072
pull
Entries 80
Mean 216.7
Std Dev 170.9

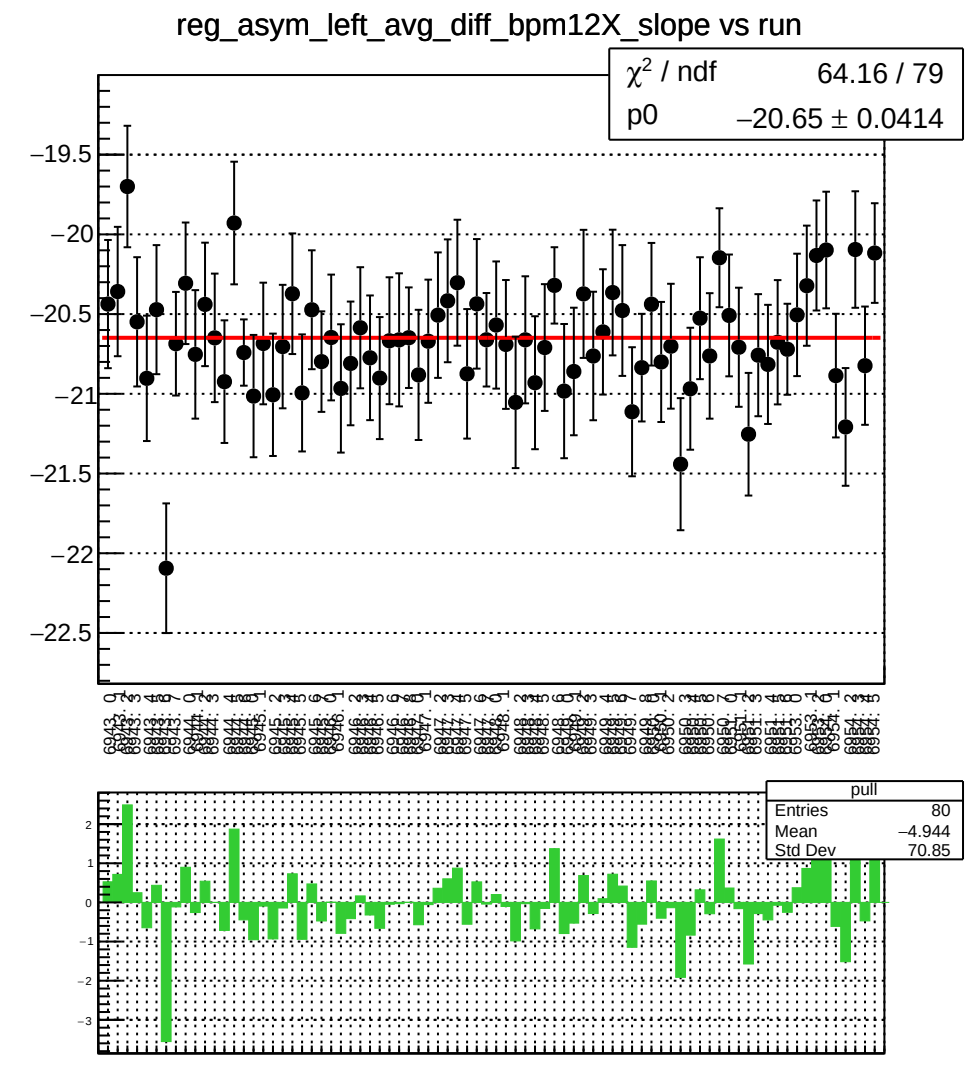

pull1D
Entries 80
Mean 0.01067
Std Dev 0.504

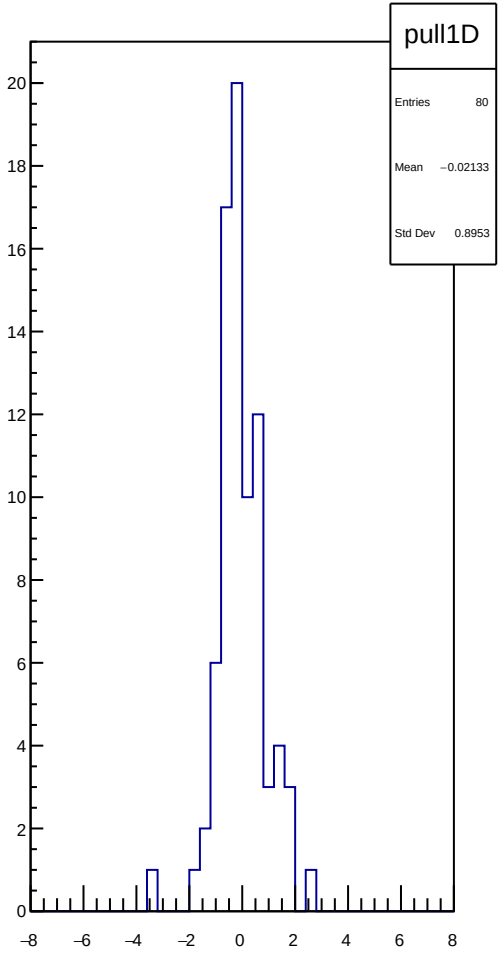

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.6 / 79
p0 7.589 ± 1.196
pull
Entries 80
Mean 3.754
Std Dev 51.59

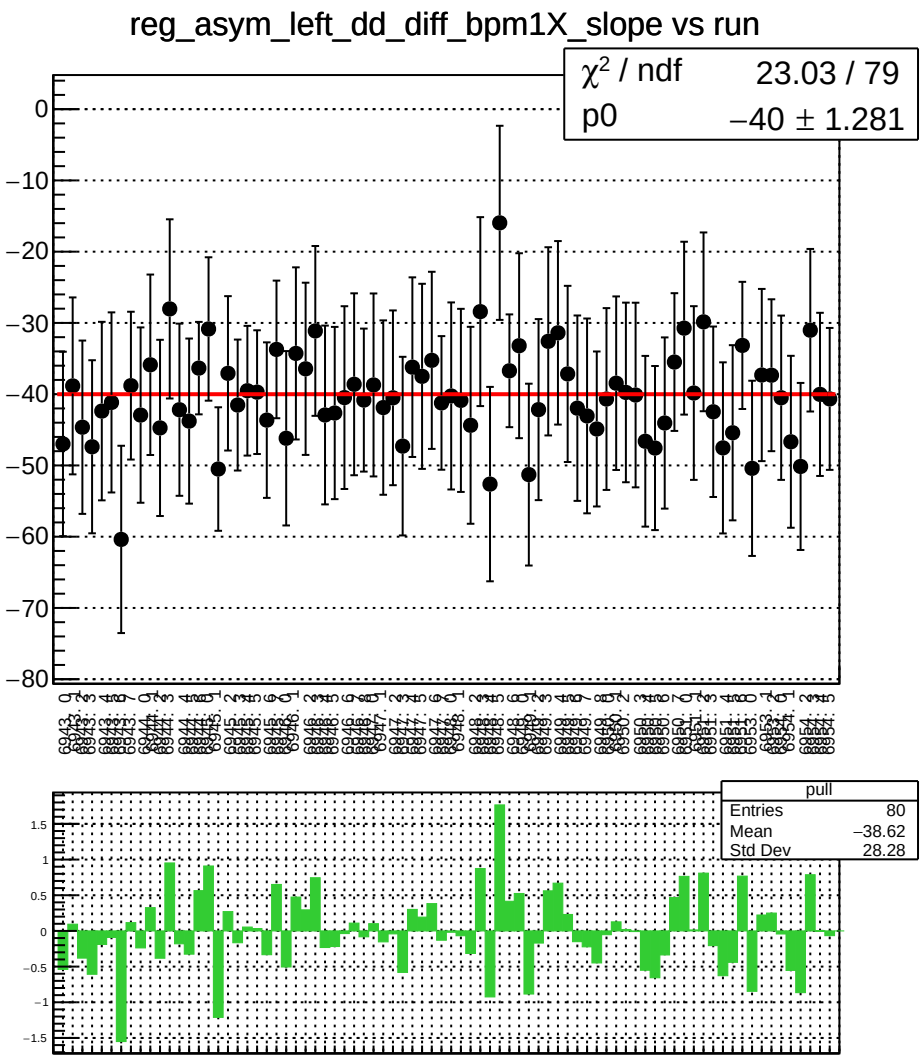

pull1D
Entries 80
Mean 0.01286
Std Dev 0.5313

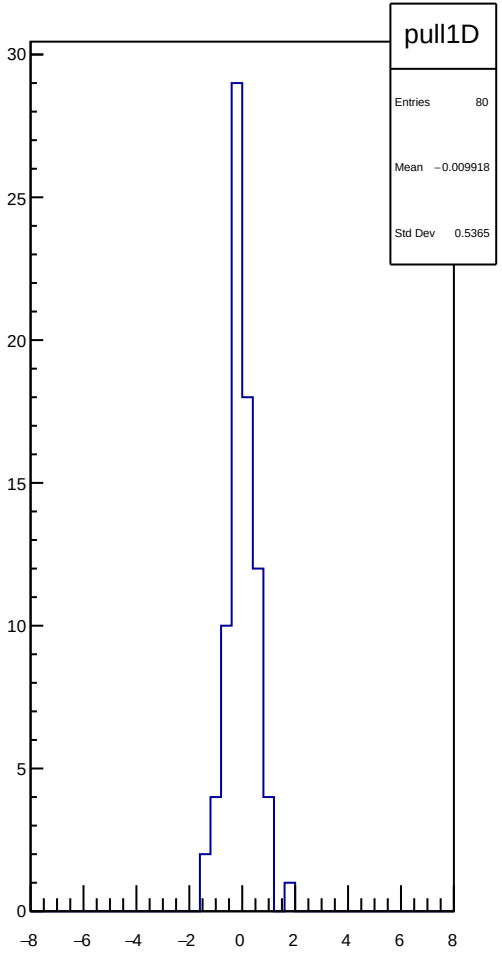

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.24 / 79
p0 13.38 ± 1.044
pull
Entries 80
Mean 321.6
Std Dev 278.2

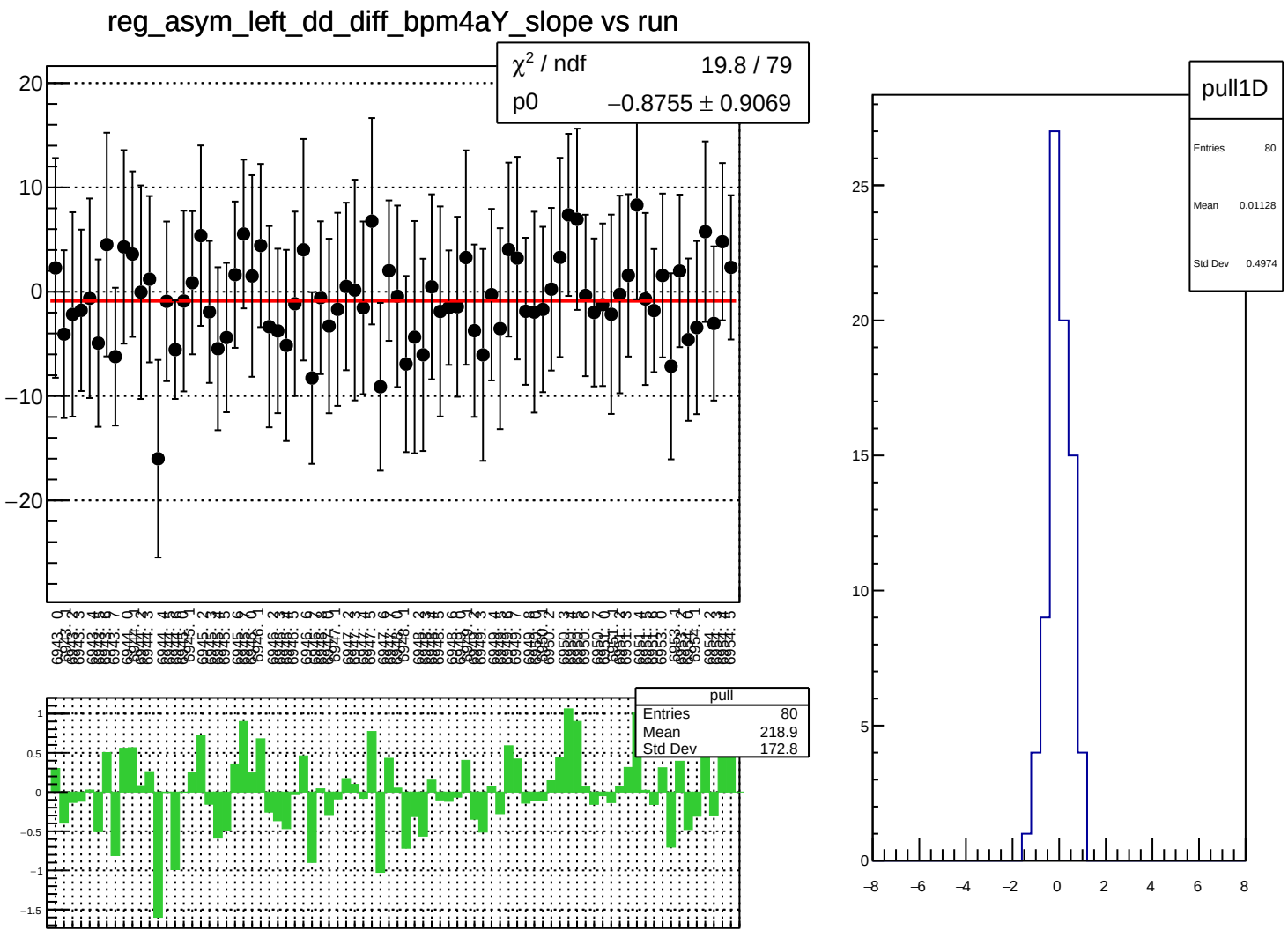

pull1D
Entries 80
Mean −0.009988
Std Dev 0.5272

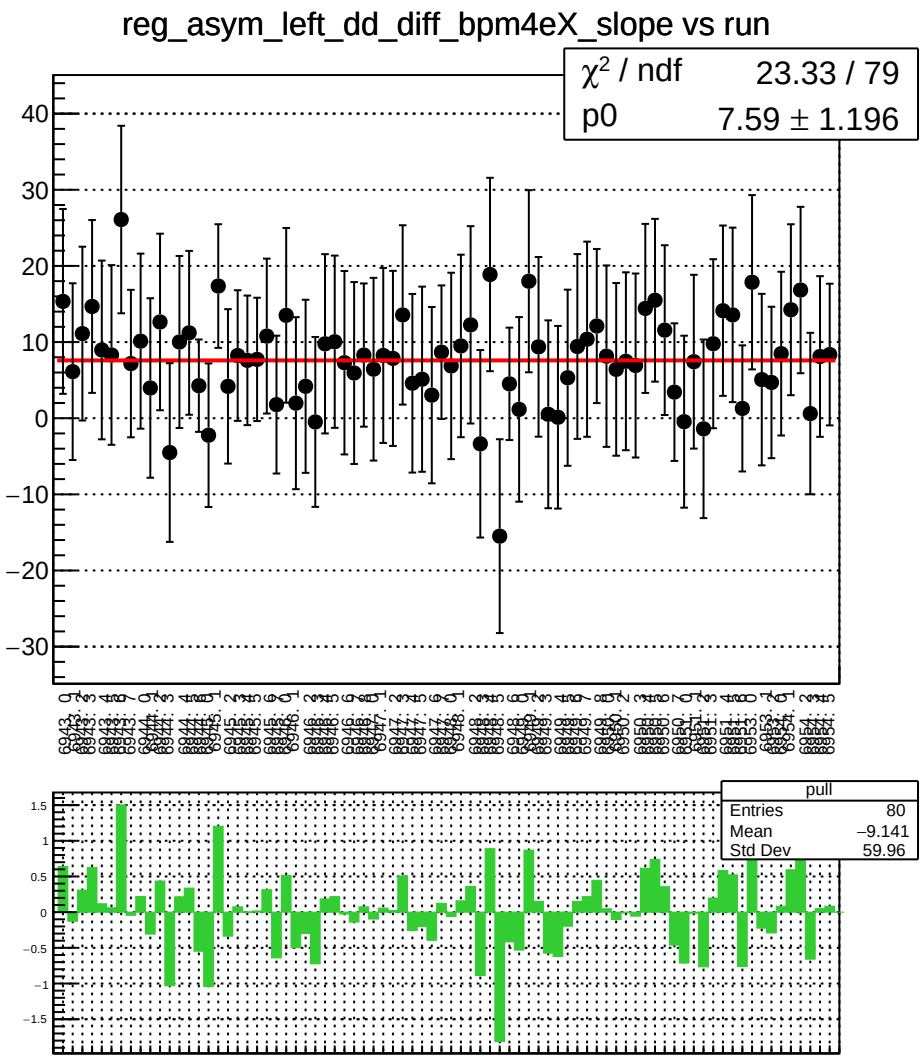

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 64.16 / 79
p0 −20.65 ± 0.0414
pull
Entries 80
Mean −4.944
Std Dev 70.85

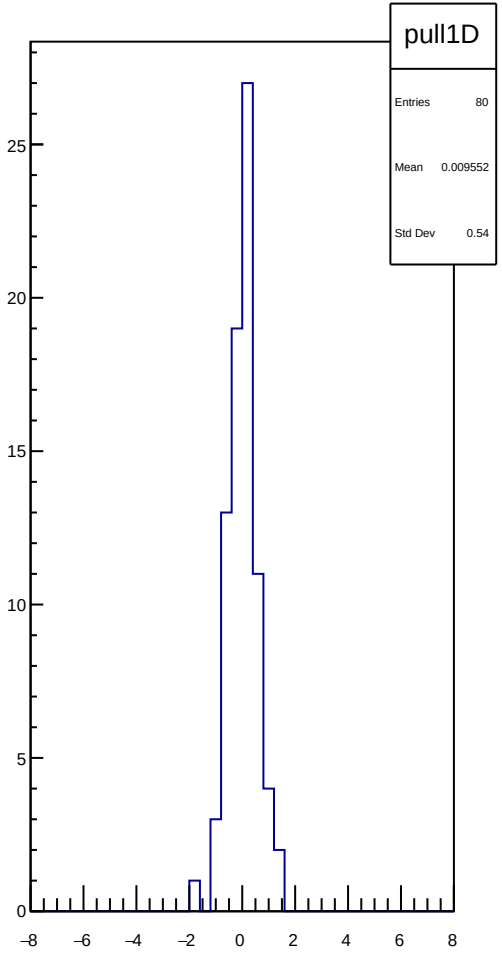

pull1D
Entries 80
Mean −0.02133
Std Dev 0.8953

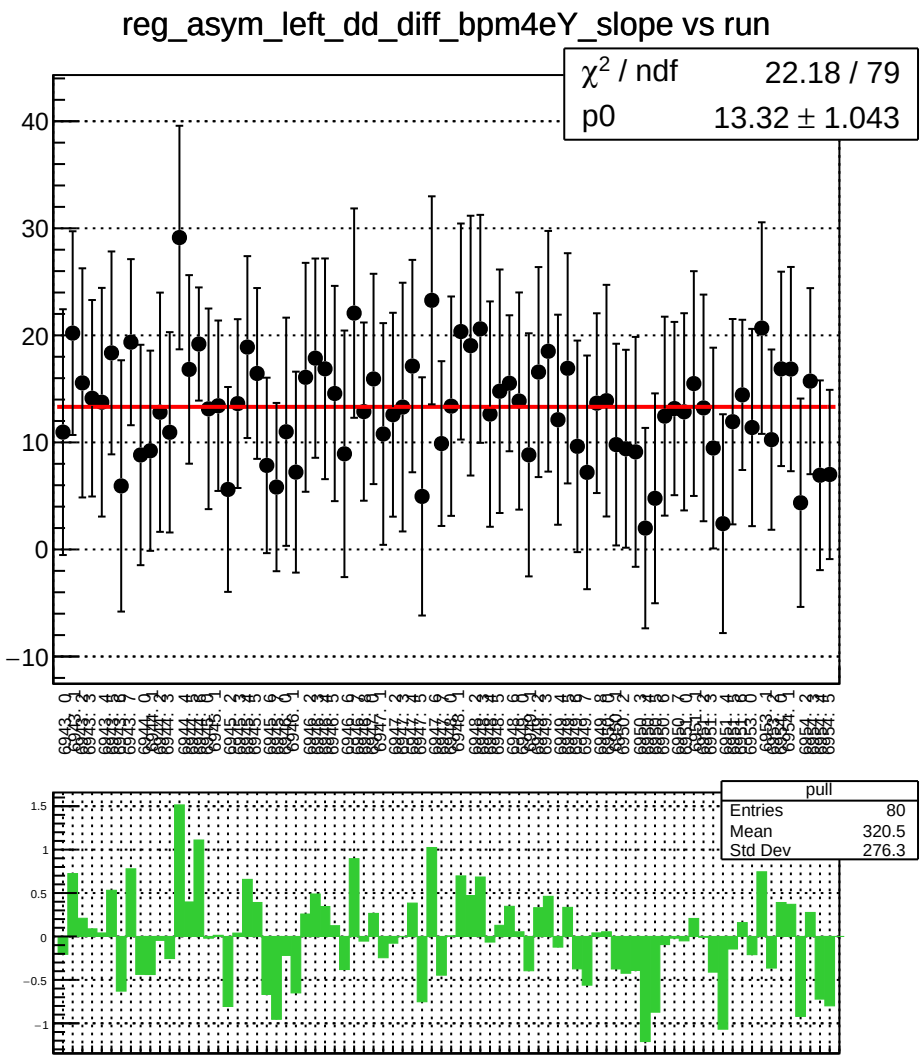

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 23.03 / 79
p0 −40 ± 1.281
pull
Entries 80
Mean −38.62
Std Dev 28.28

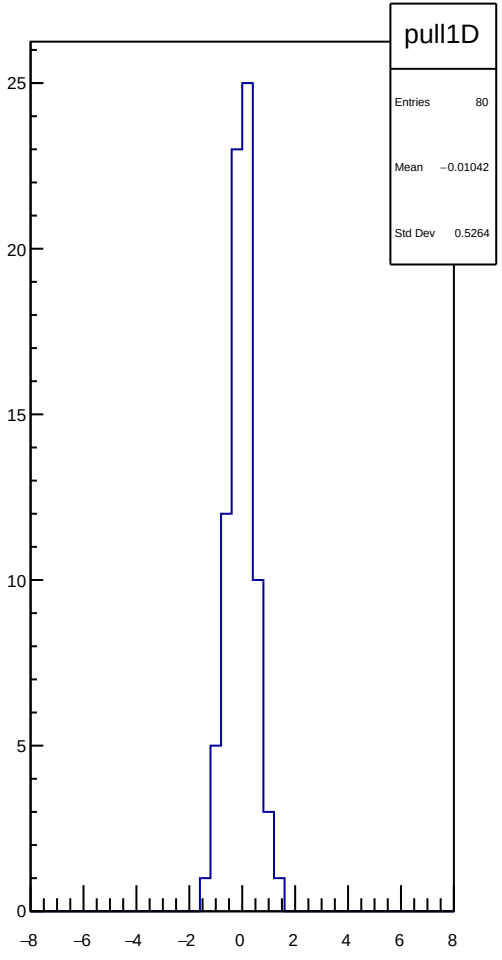

pull1D
Entries 80
Mean −0.009918
Std Dev 0.5365

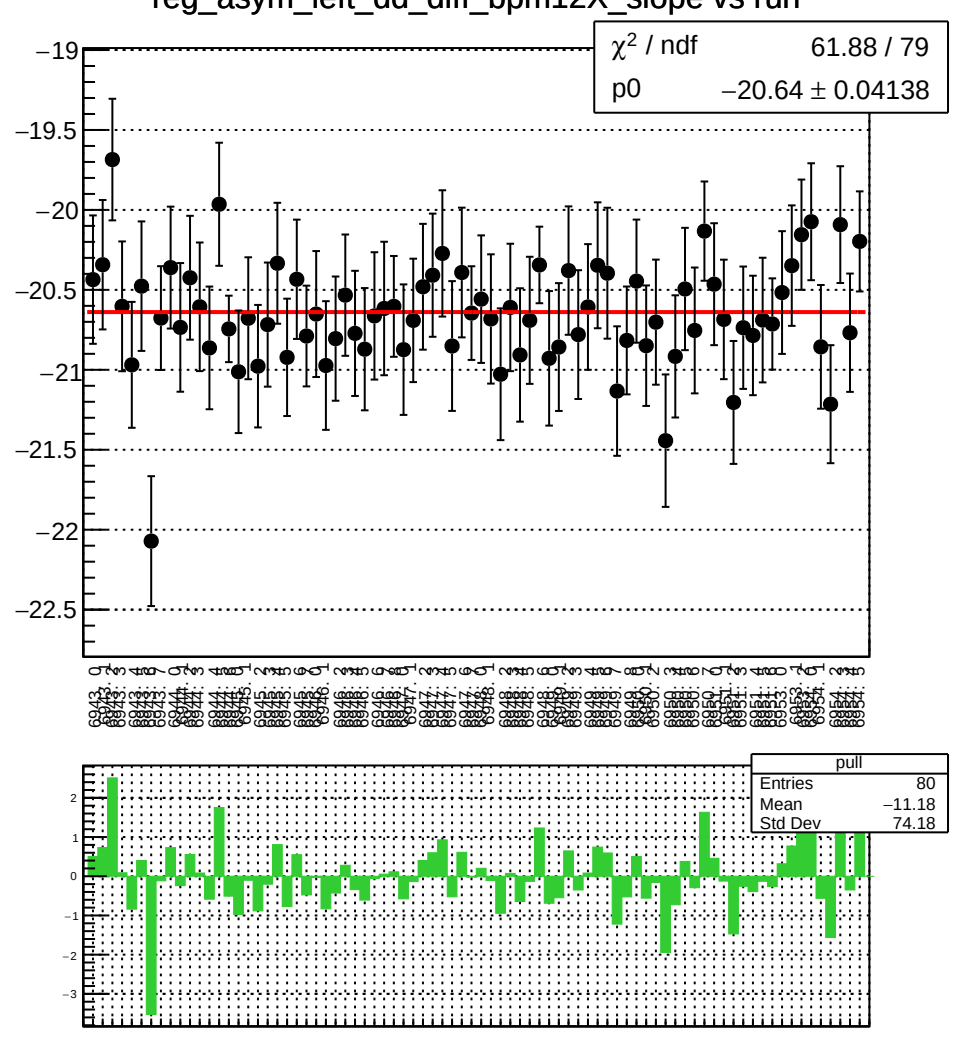

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.8 / 79
p0 −0.8755 ± 0.9069
pull
Entries 80
Mean 218.9
Std Dev 172.8
pull1D
Entries 80
Mean 0.01128
Std Dev 0.4974

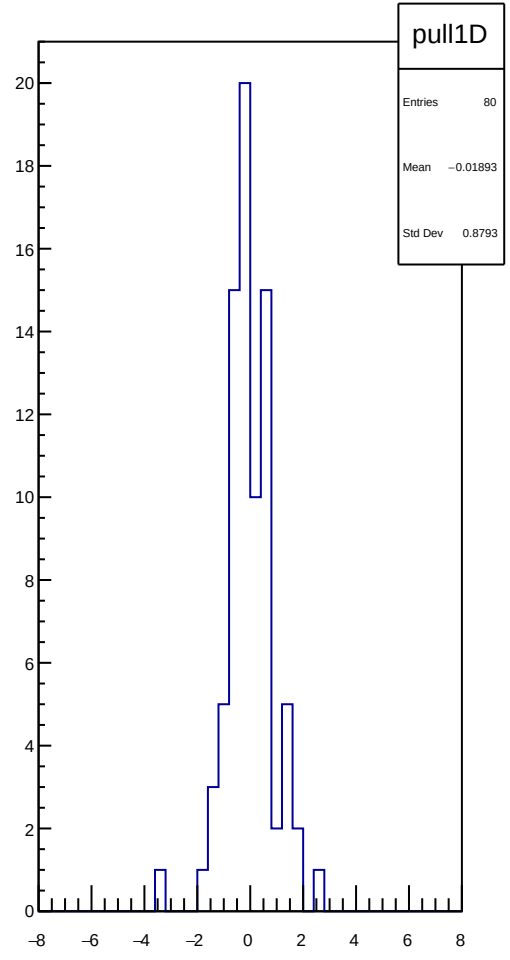

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.33 / 79
p0 7.59 ± 1.196
pull
Entries 80
Mean −9.141
Std Dev 59.96

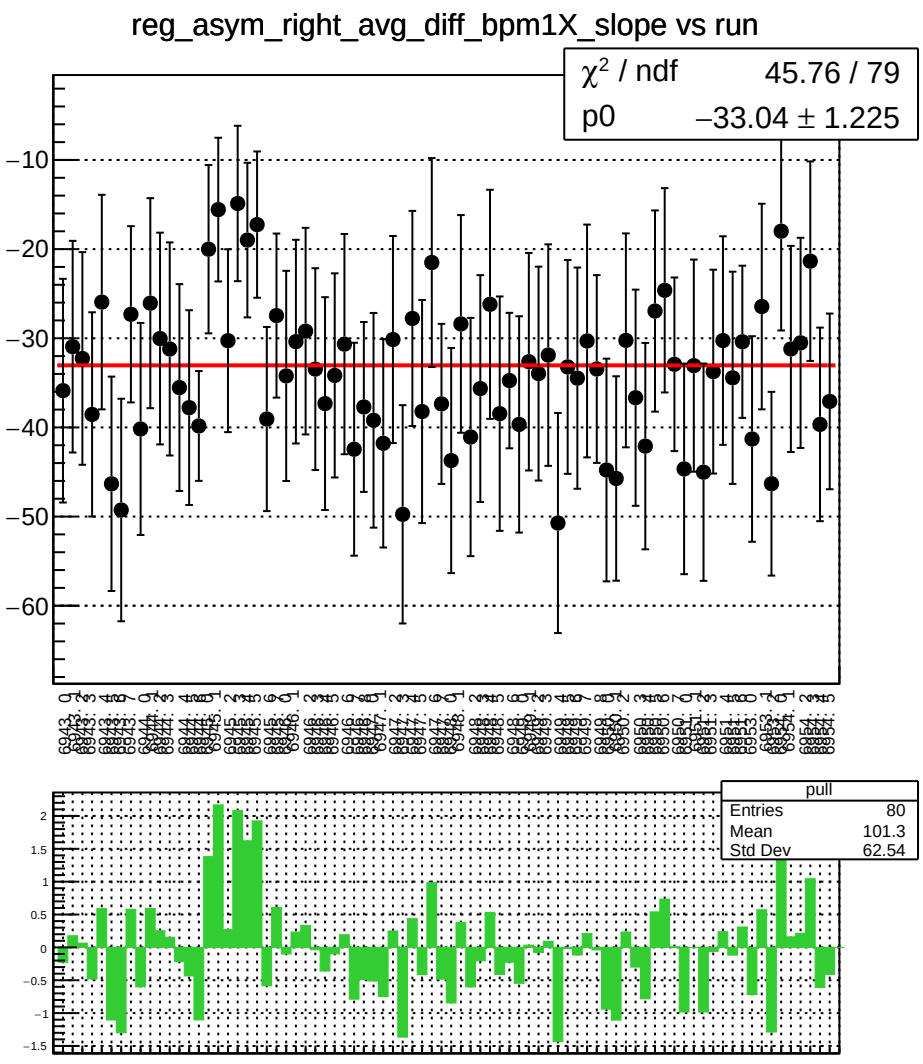

pull1D
Entries 80
Mean 0.009552
Std Dev 0.54

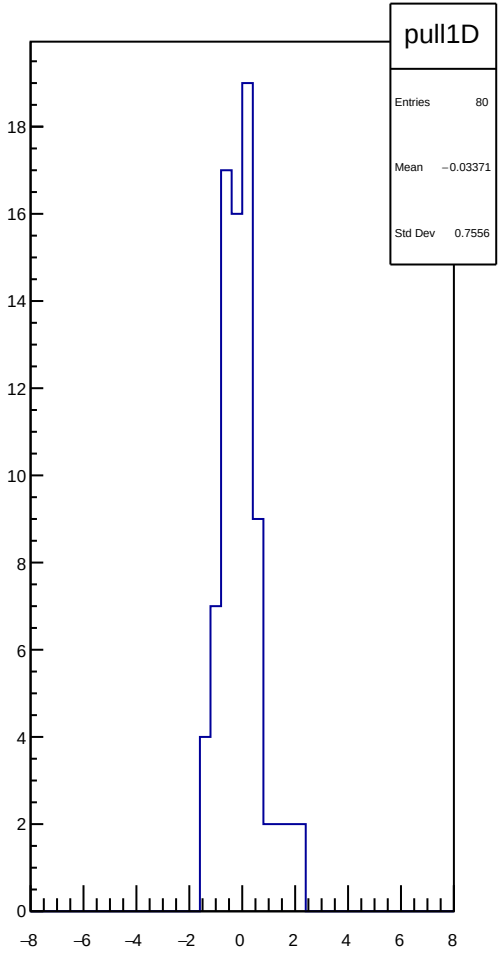

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 22.18 / 79
p0 13.32 ± 1.043
pull
Entries 80
Mean 320.5
Std Dev 276.3

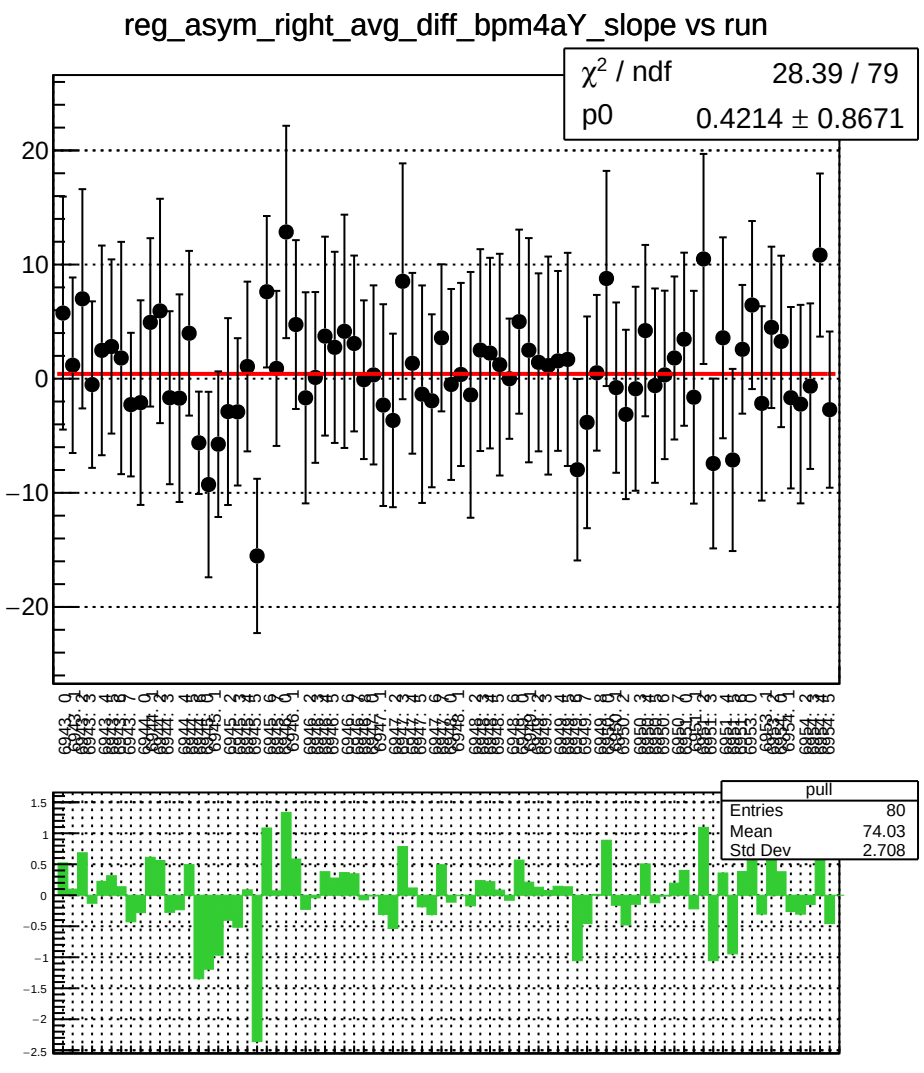

pull1D
Entries 80
Mean −0.01042
Std Dev 0.5264

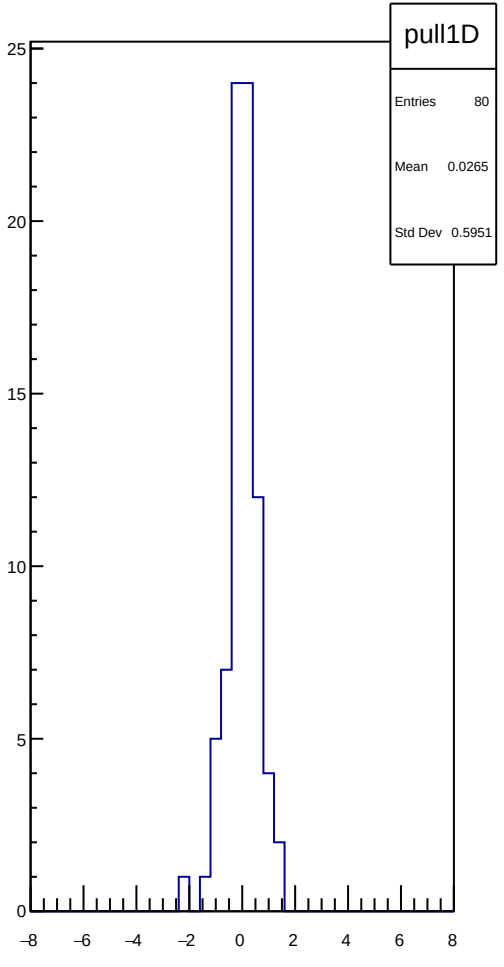

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 61.88 / 79
p0 −20.64 ± 0.04138
pull
Entries 80
Mean −11.18
Std Dev 74.18

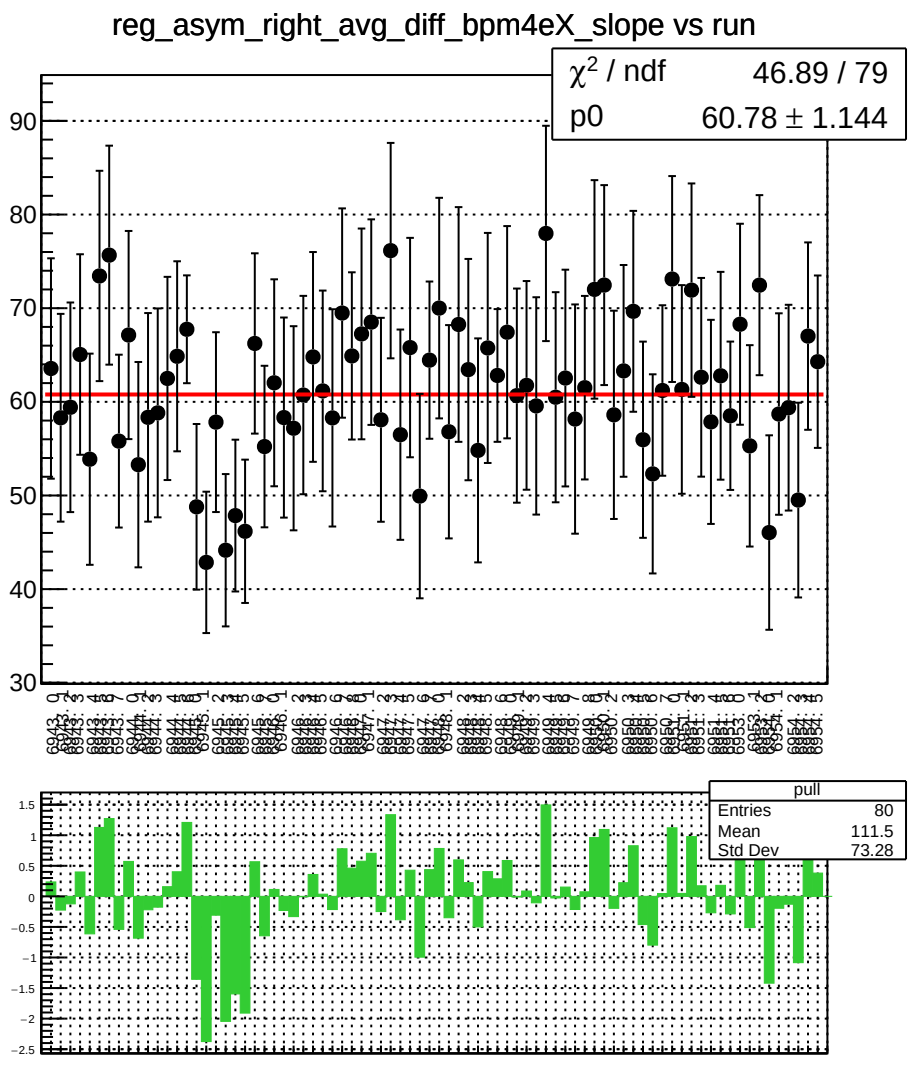

pull1D
Entries 80
Mean −0.01893
Std Dev 0.8793

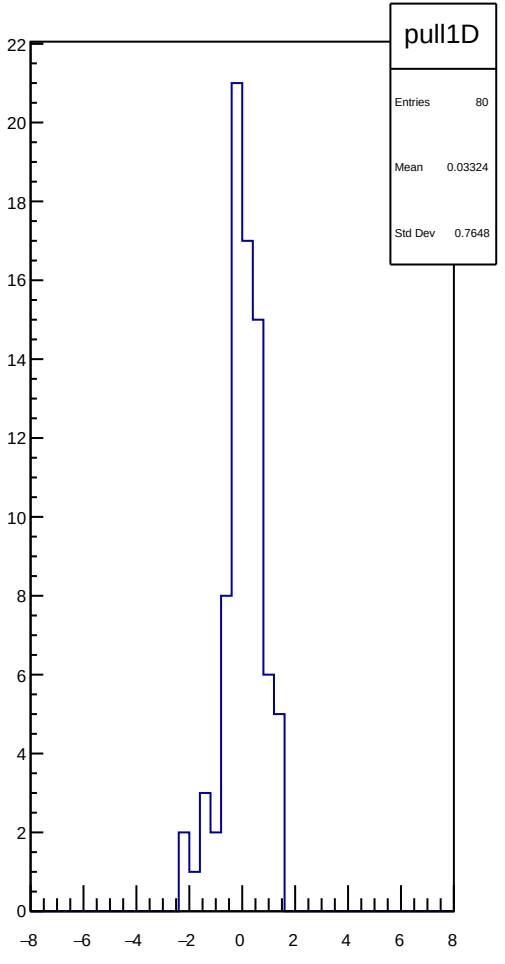

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 45.76 / 79
p0 −33.04 ± 1.225
pull
Entries 80
Mean 101.3
Std Dev 62.54

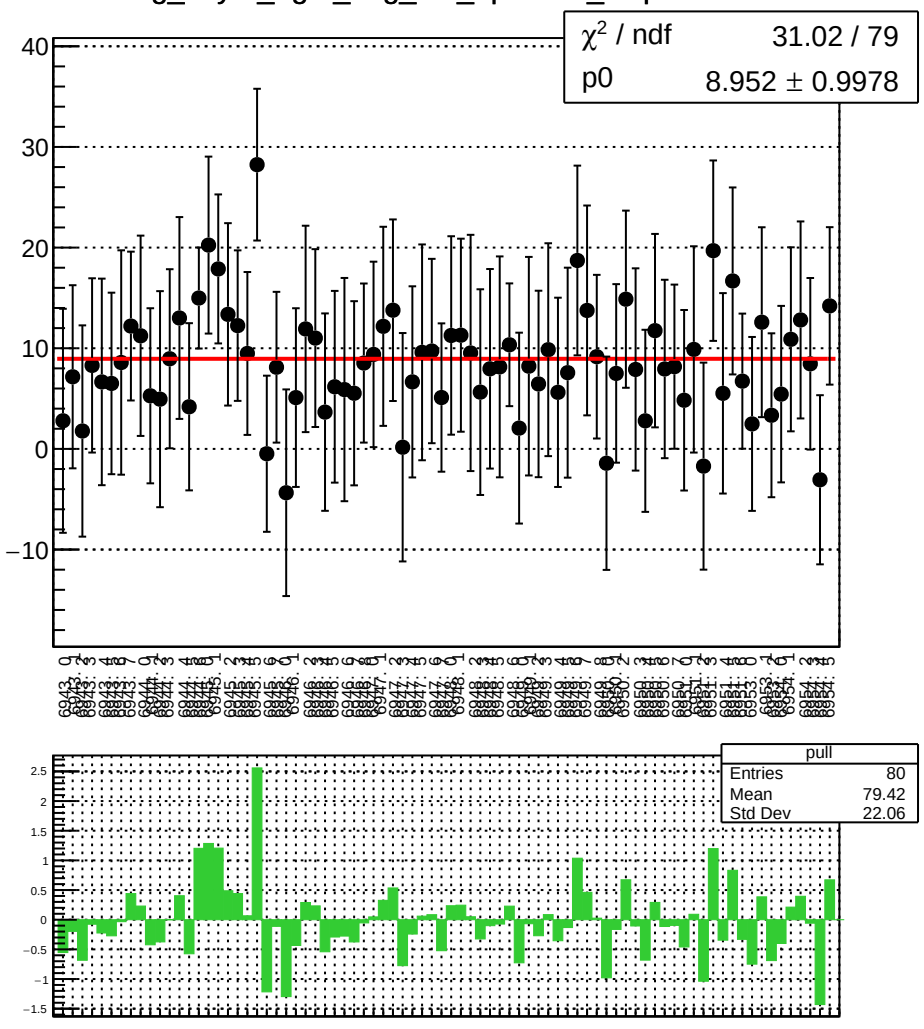

pull1D
Entries 80
Mean −0.03371
Std Dev 0.7556

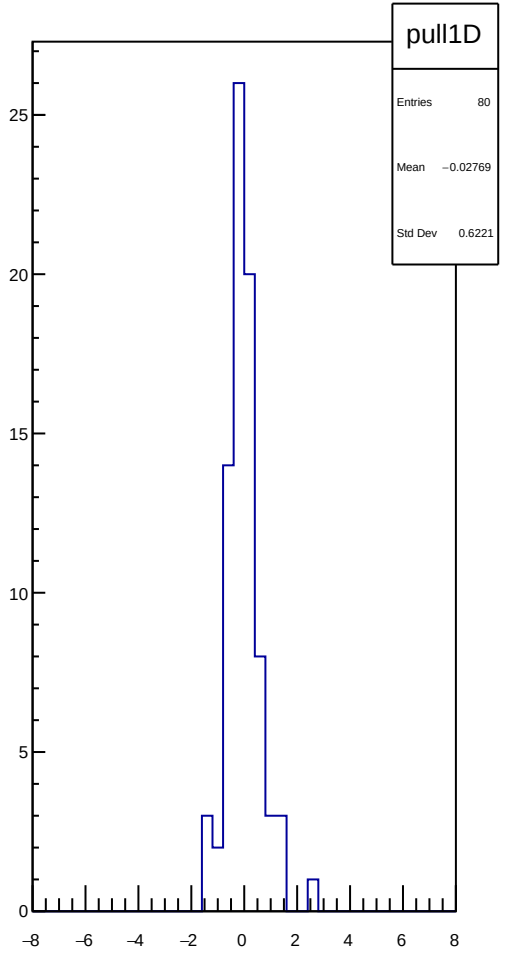

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.39 / 79
p0 0.4214 ± 0.8671
pull
Entries 80
Mean 74.03
Std Dev 2.708

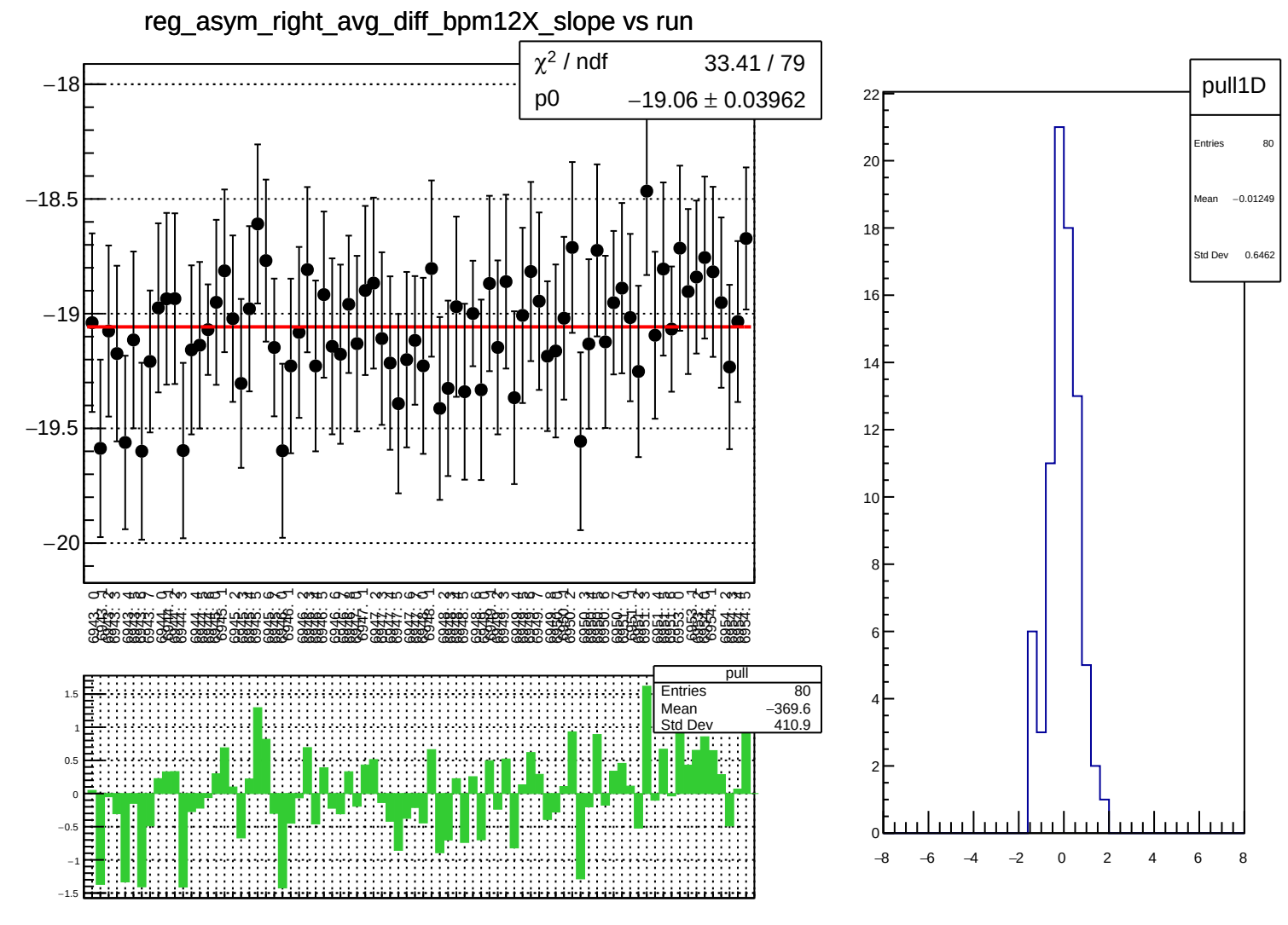

pull1D
Entries 80
Mean 0.0265
Std Dev 0.5951

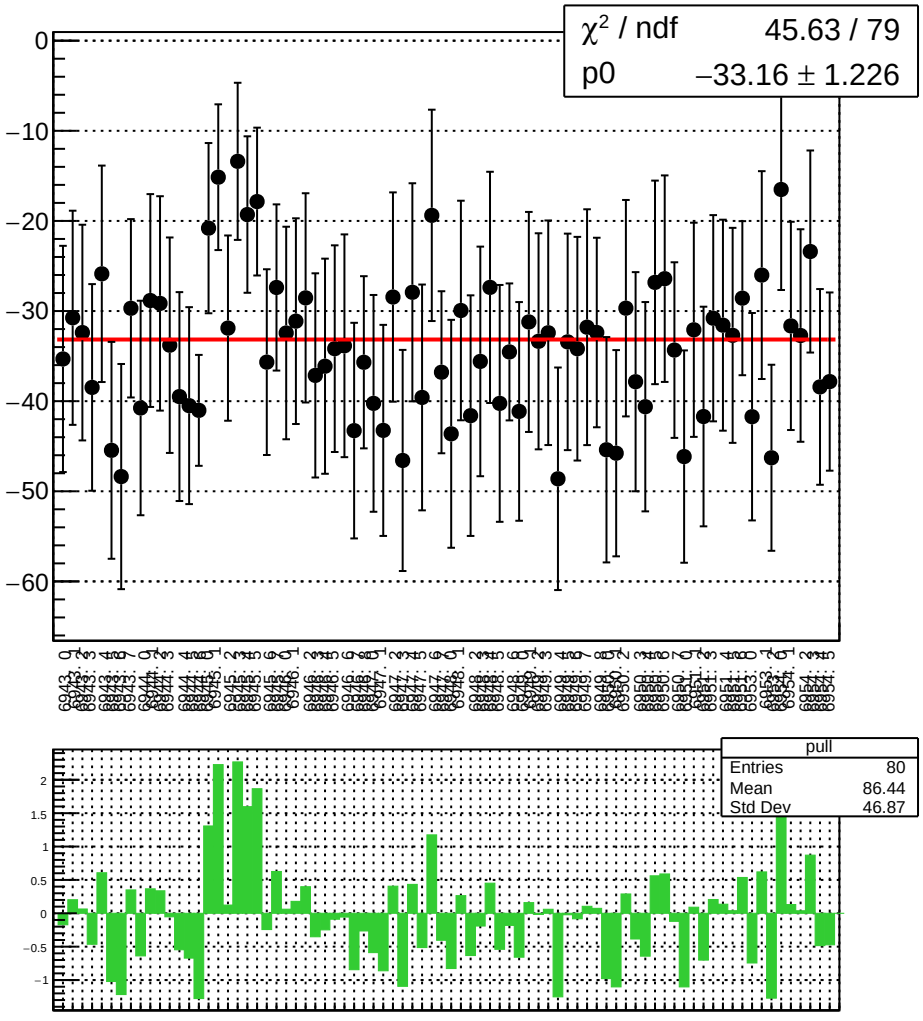

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.89 / 79
p0 60.78 ± 1.144
pull
Entries 80
Mean 111.5
Std Dev 73.28

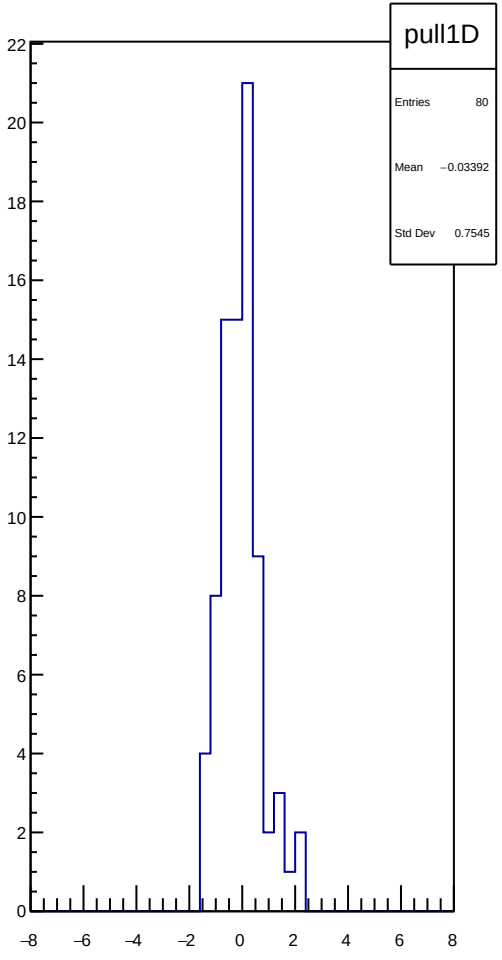

pull1D
Entries 80
Mean 0.03324
Std Dev 0.7648

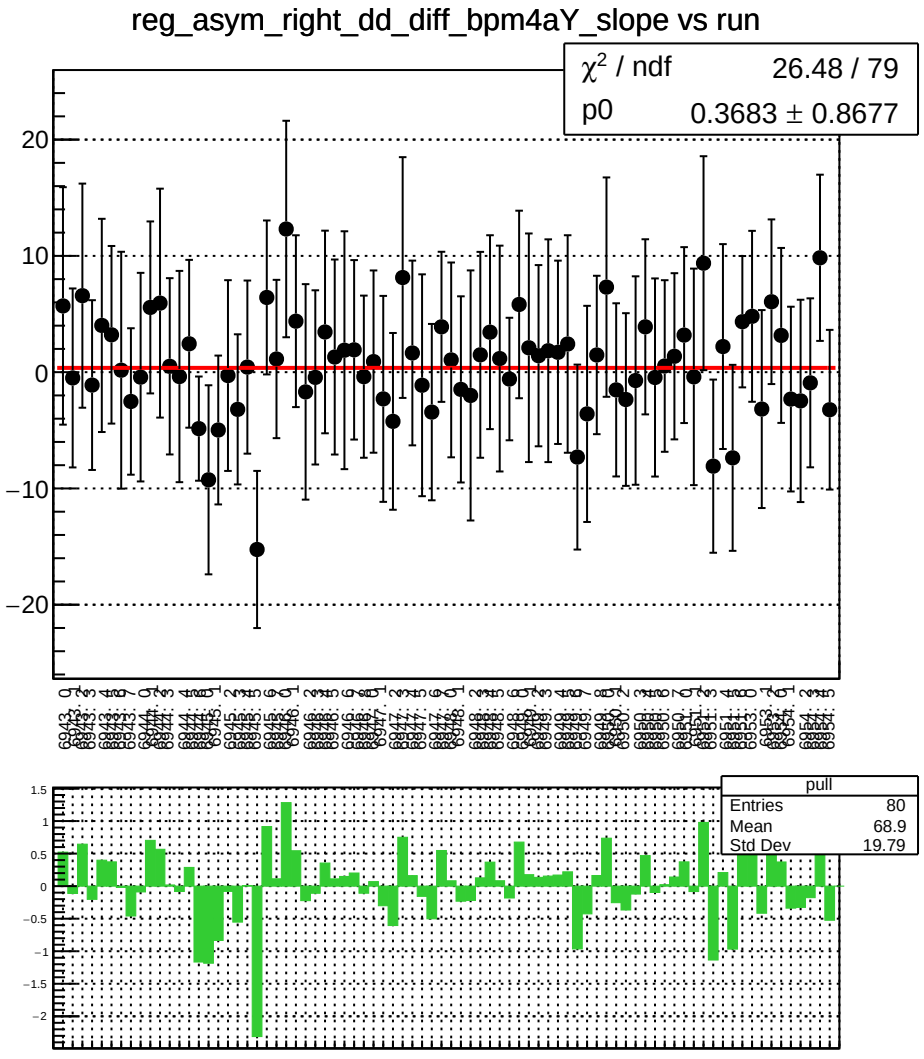

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.02 / 79
p0 8.952 ± 0.9978
pull
Entries 80
Mean 79.42
Std Dev 22.06

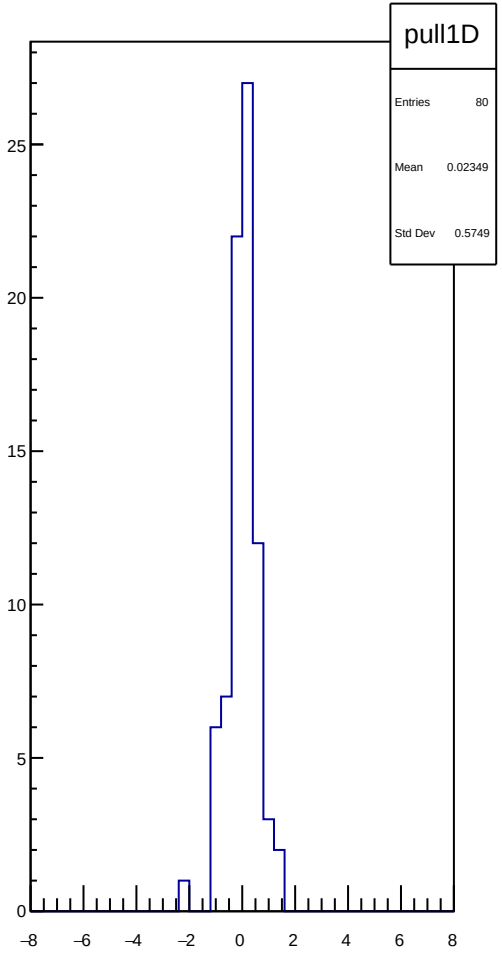

pull1D
Entries 80
Mean −0.02769
Std Dev 0.6221

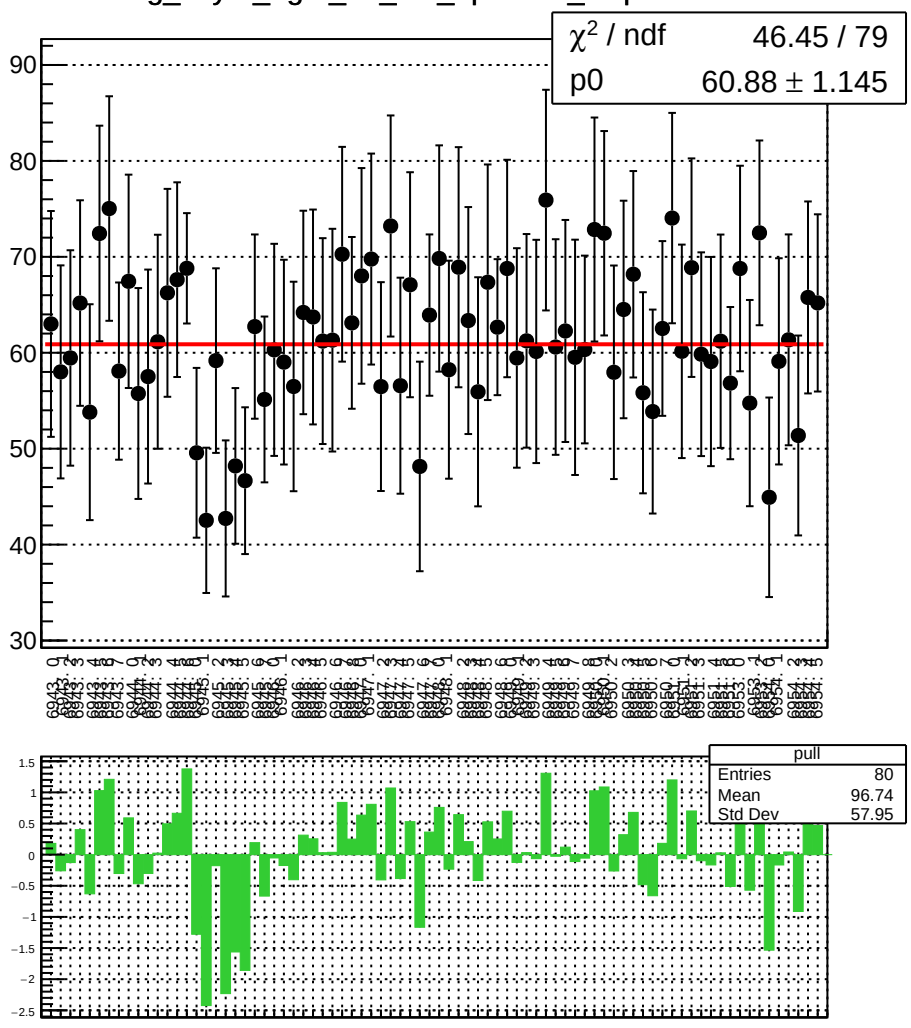

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 33.41 / 79
p0 −19.06 ± 0.03962
−18
−18.5
−19
−19.5
−20
pull
Entries 80
Mean −369.6
Std Dev 410.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.01249
Std Dev 0.6462
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

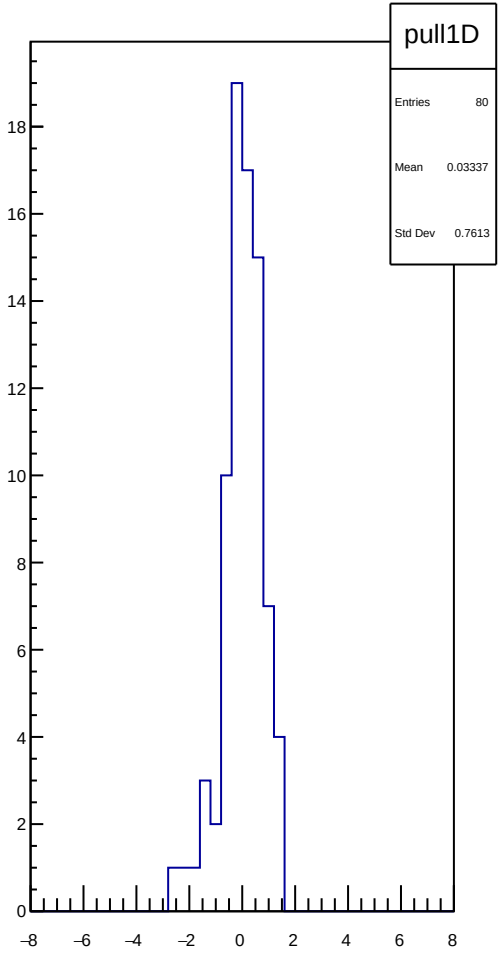

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 45.63 / 79
p0 −33.16 ± 1.226
pull
Entries 80
Mean 86.44
Std Dev 46.87

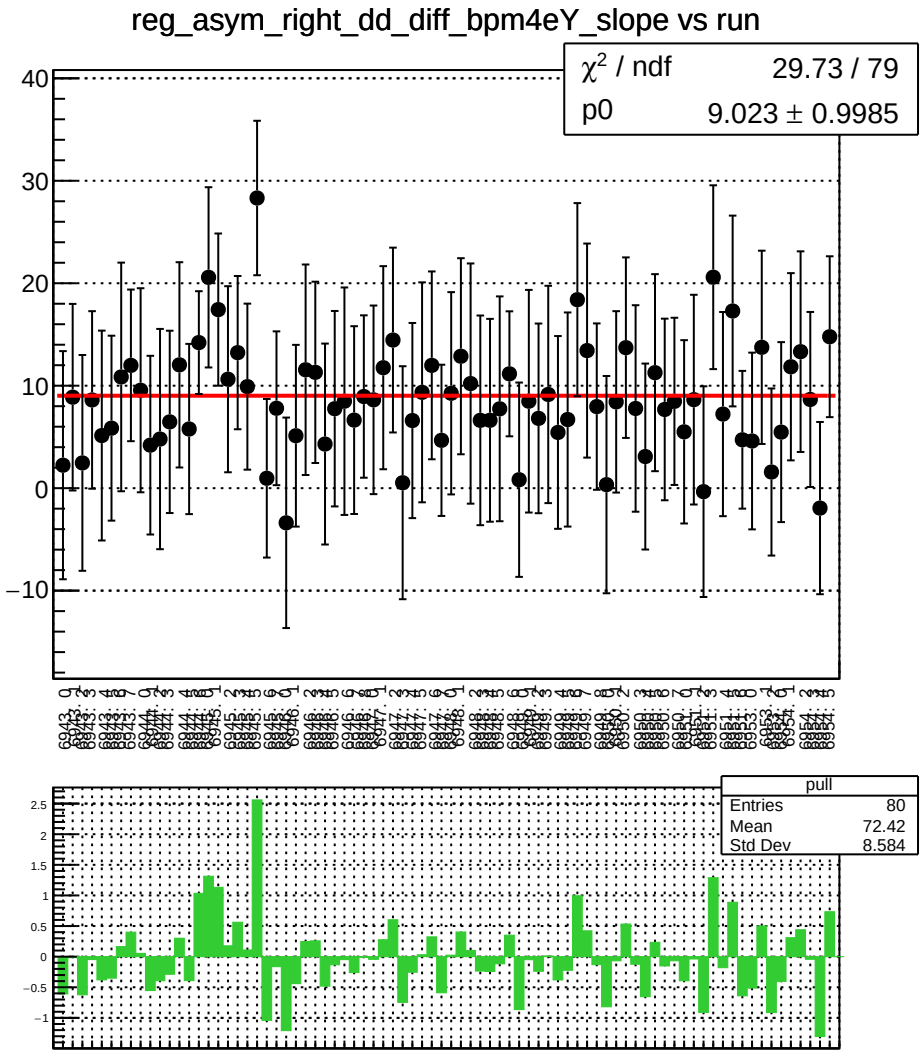

pull1D
Entries 80
Mean −0.03392
Std Dev 0.7545

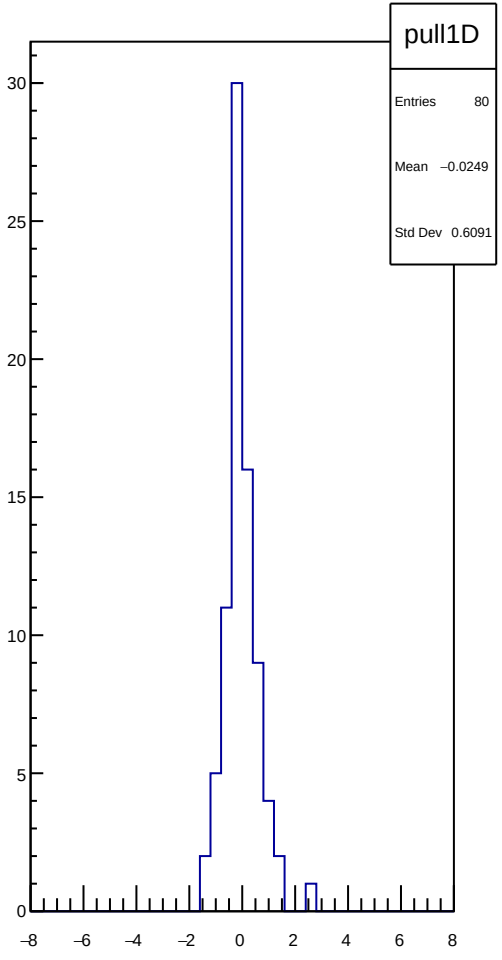

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.48 / 79
p0 0.3683 ± 0.8677
pull
Entries 80
Mean 68.9
Std Dev 19.79

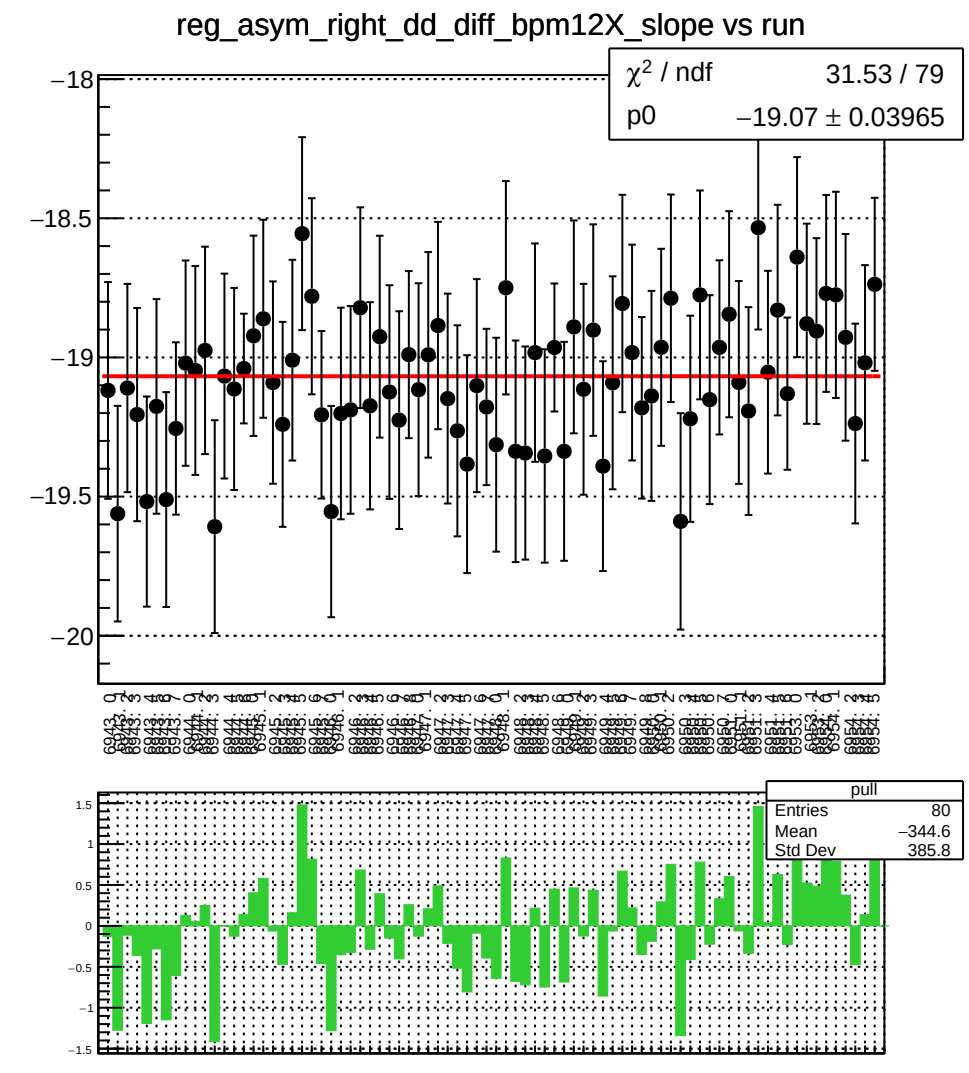

pull1D
Entries 80
Mean 0.02349
Std Dev 0.5749

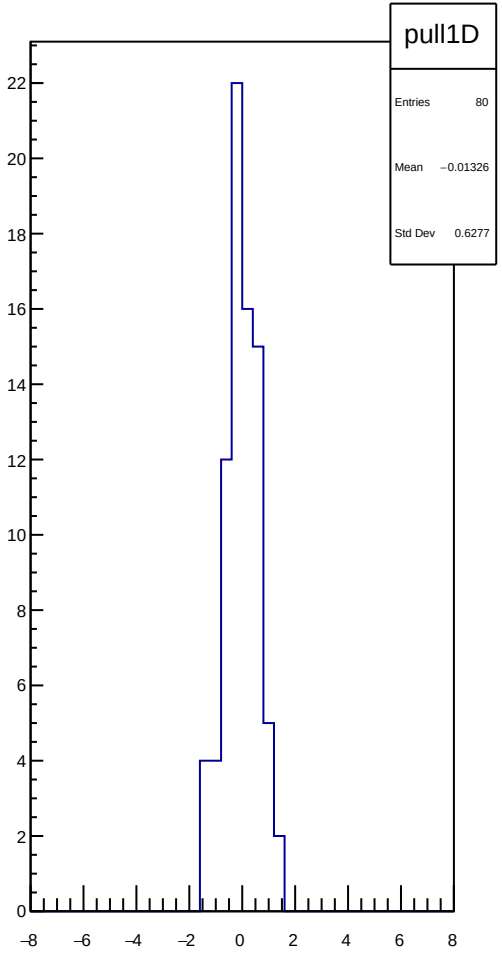

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.45 / 79
p0 60.88 ± 1.145
pull
Entries 80
Mean 96.74
Std Dev 57.95

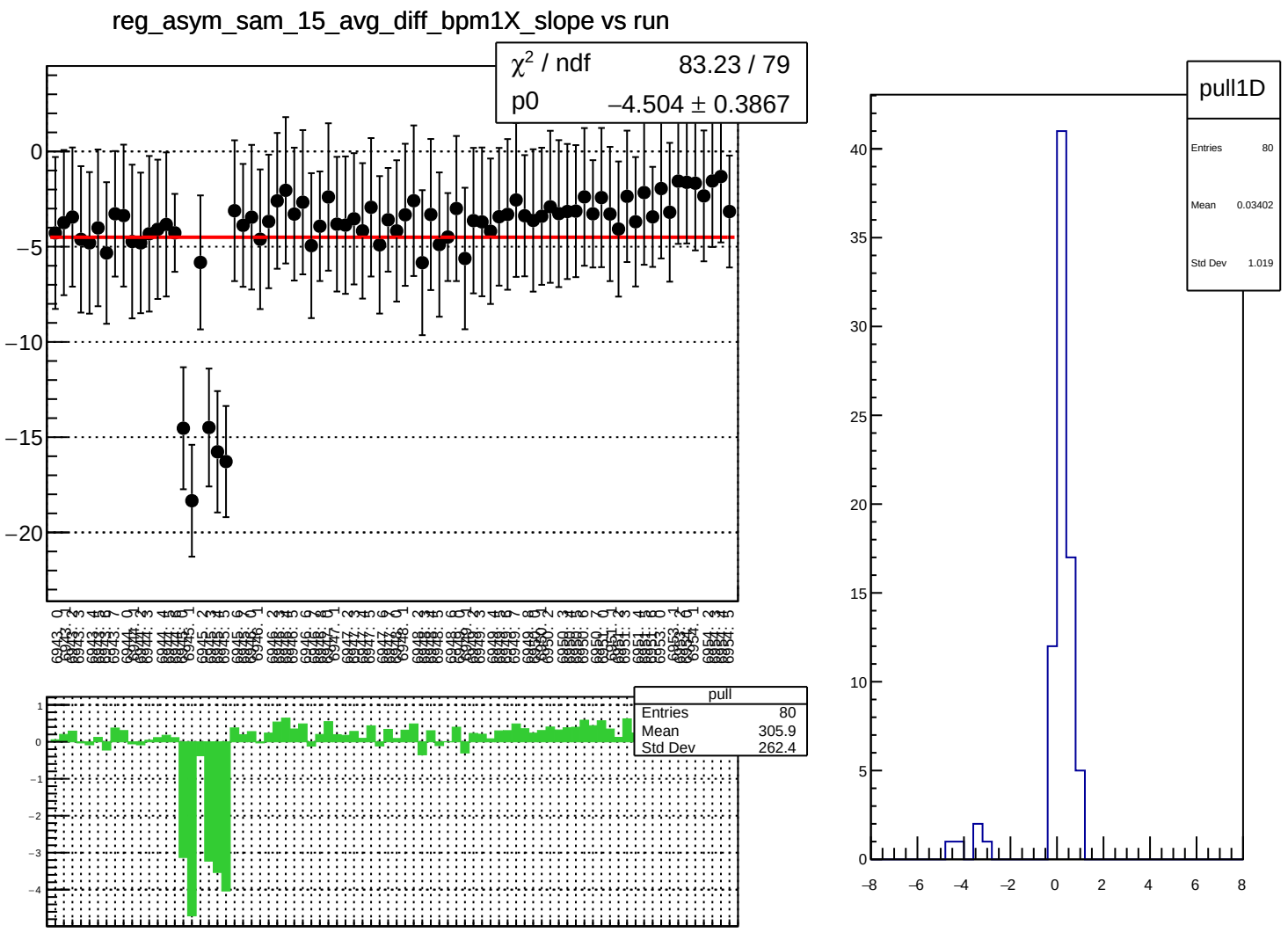

pull1D
Entries 80
Mean 0.03337
Std Dev 0.7613

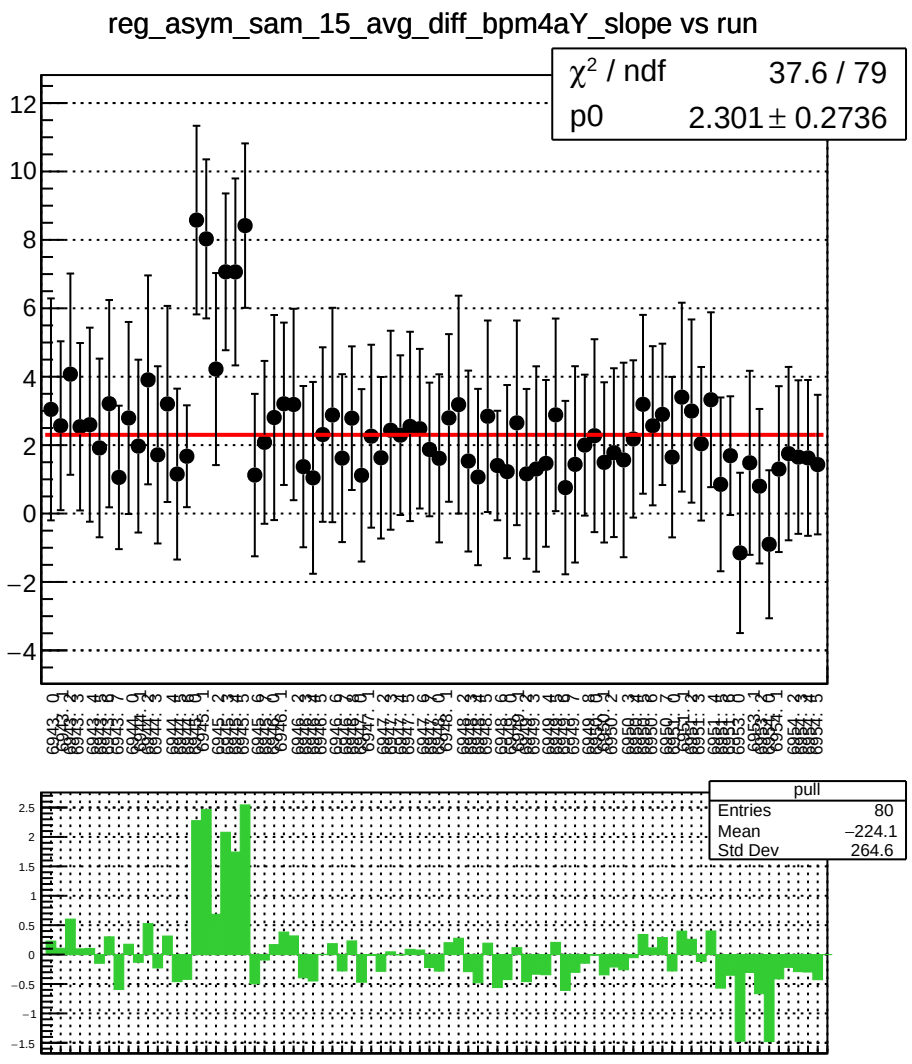

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.73 / 79
p0 9.023 ± 0.9985
pull
Entries 80
Mean 72.42
Std Dev 8.584

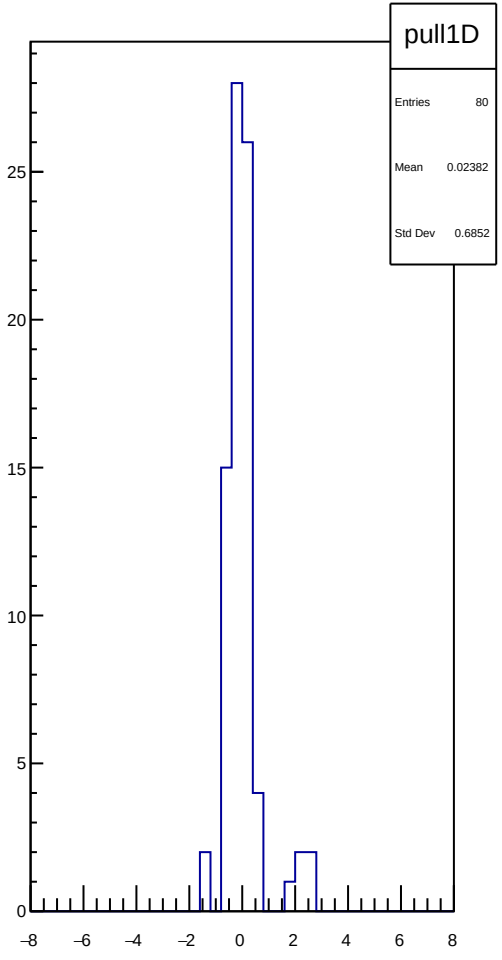

pull1D
Entries 80
Mean −0.0249
Std Dev 0.6091

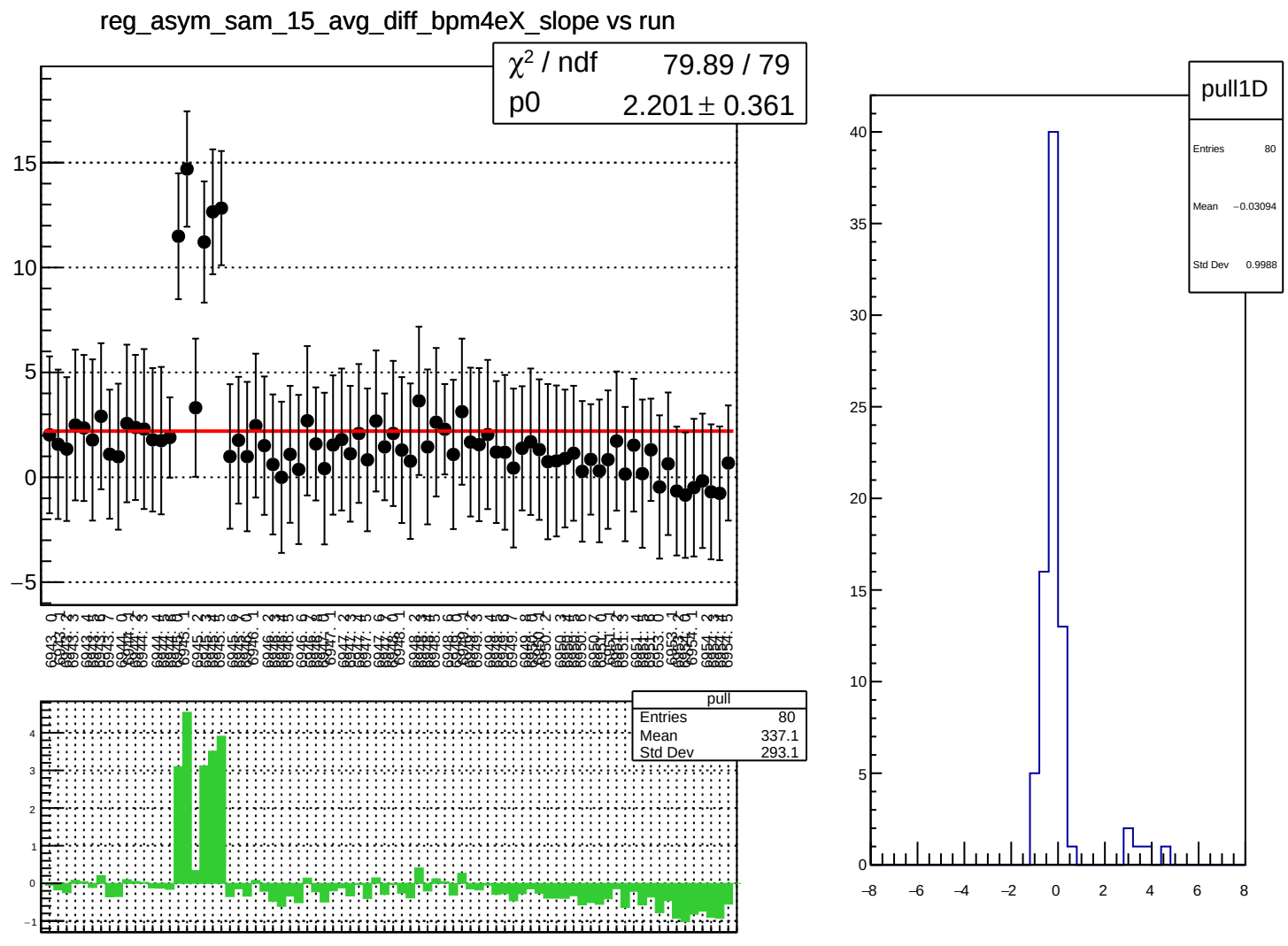

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 31.53 / 79
p0 −19.07 ± 0.03965
pull
Entries 80
Mean −344.6
Std Dev 385.8

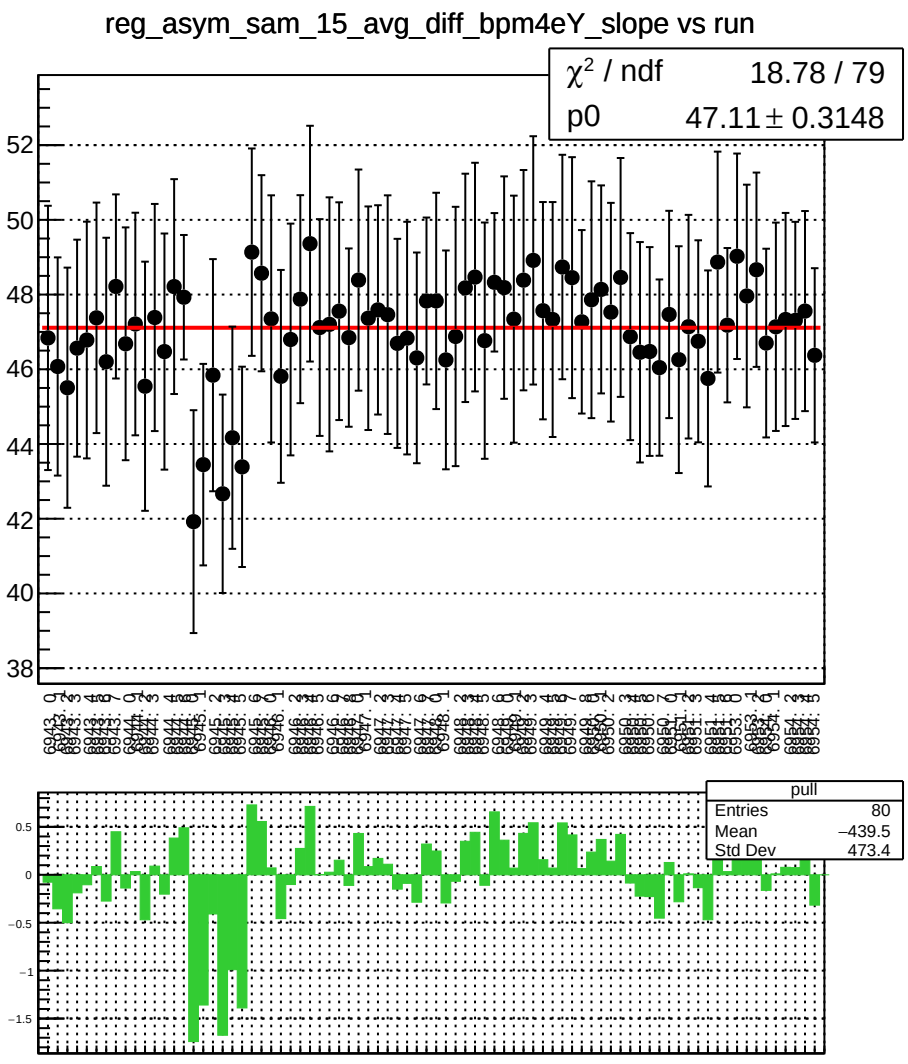

pull1D
Entries 80
Mean −0.01326
Std Dev 0.6277

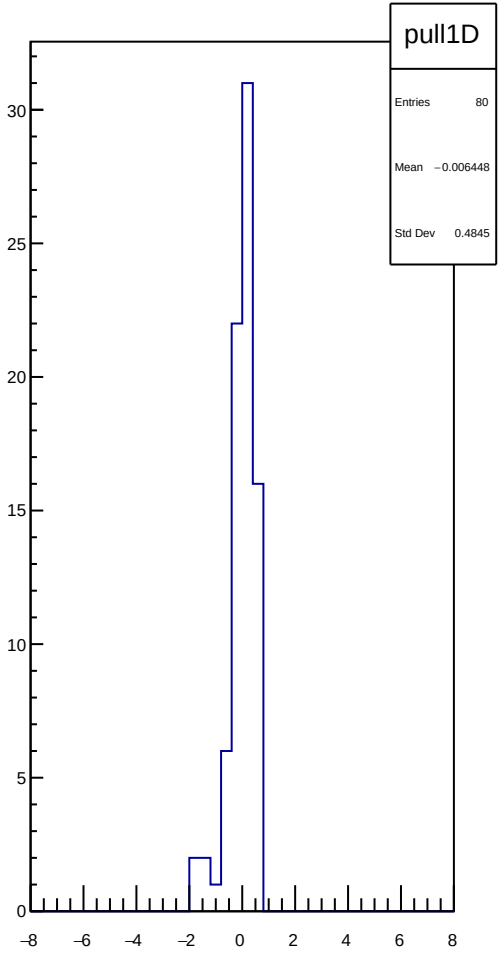

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 83.23 / 79
p0 −4.504 ± 0.3867
pull
Entries 80
Mean 305.9
Std Dev 262.4
pull1D
Entries 80
Mean 0.03402
Std Dev 1.019

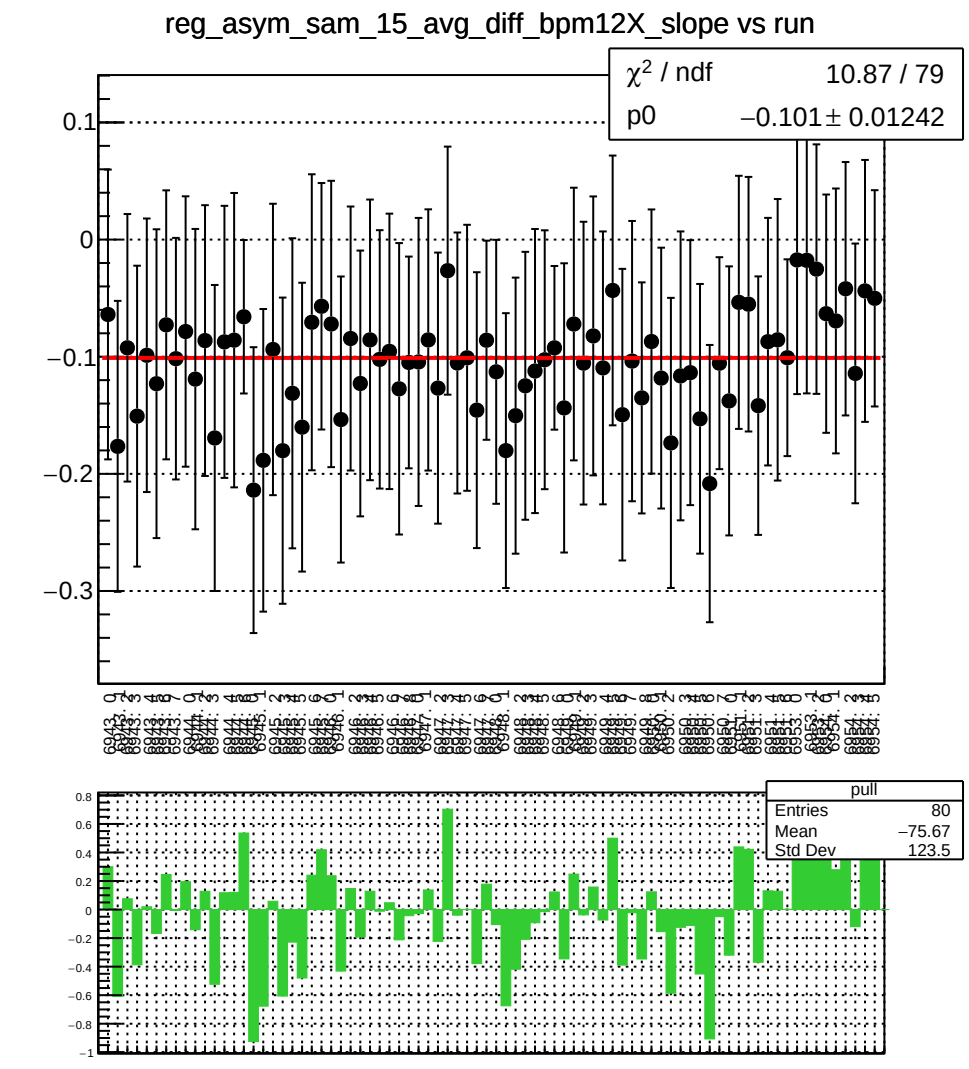

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.6 / 79
p0 2.301 ± 0.2736
pull
Entries 80
Mean −224.1
Std Dev 264.6

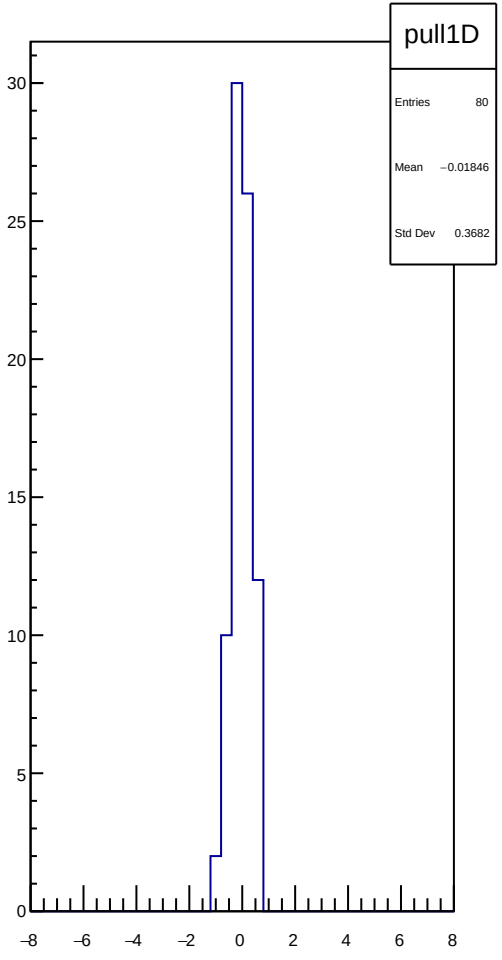

pull1D
Entries 80
Mean 0.02382
Std Dev 0.6852

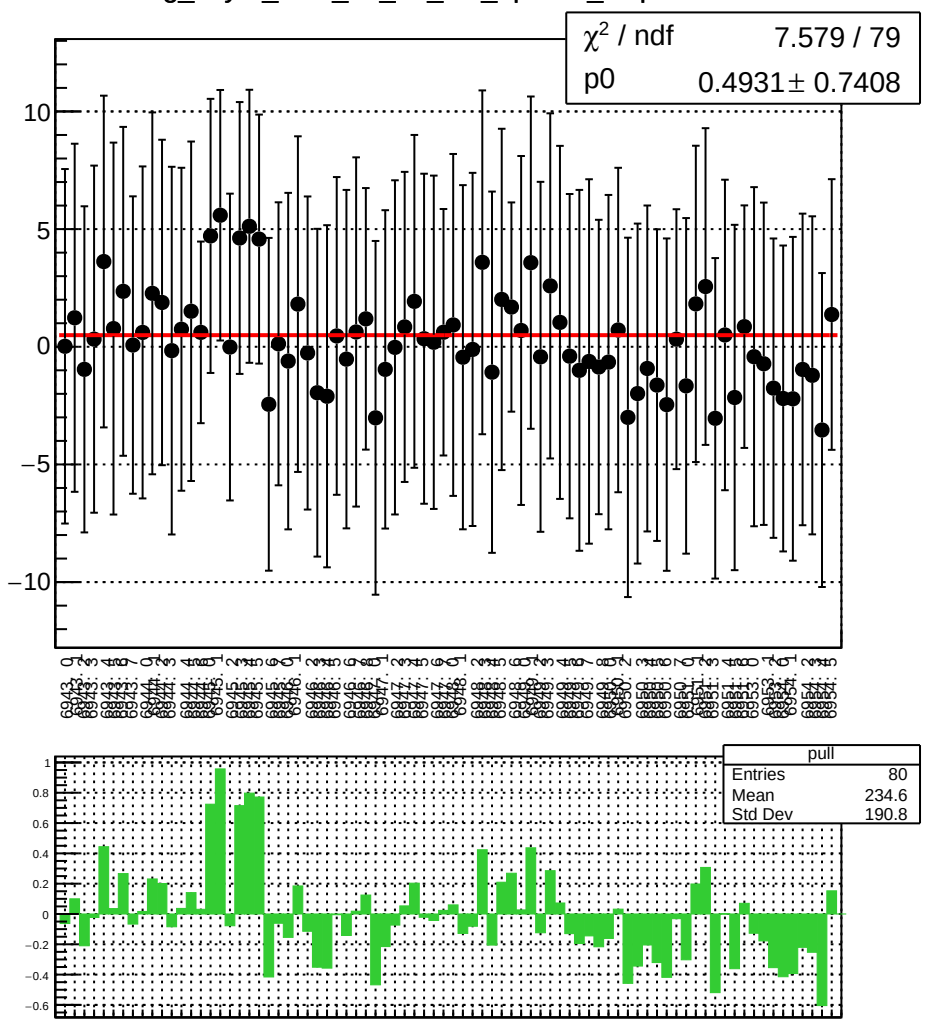

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.89 / 79
p0 2.201 ± 0.361
pull
Entries 80
Mean 337.1
Std Dev 293.1
pull1D
Entries 80
Mean −0.03094
Std Dev 0.9988

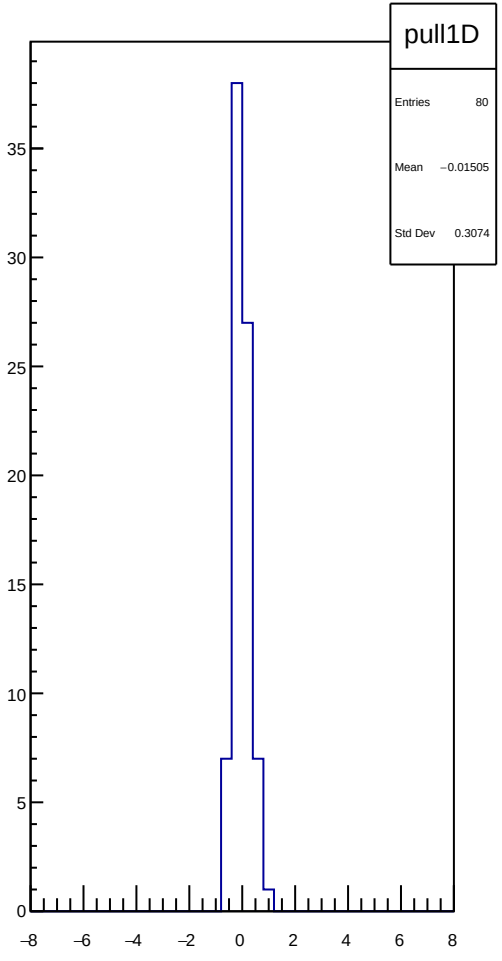

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.78 / 79
p0 47.11 ± 0.3148
pull
Entries 80
Mean −439.5
Std Dev 473.4

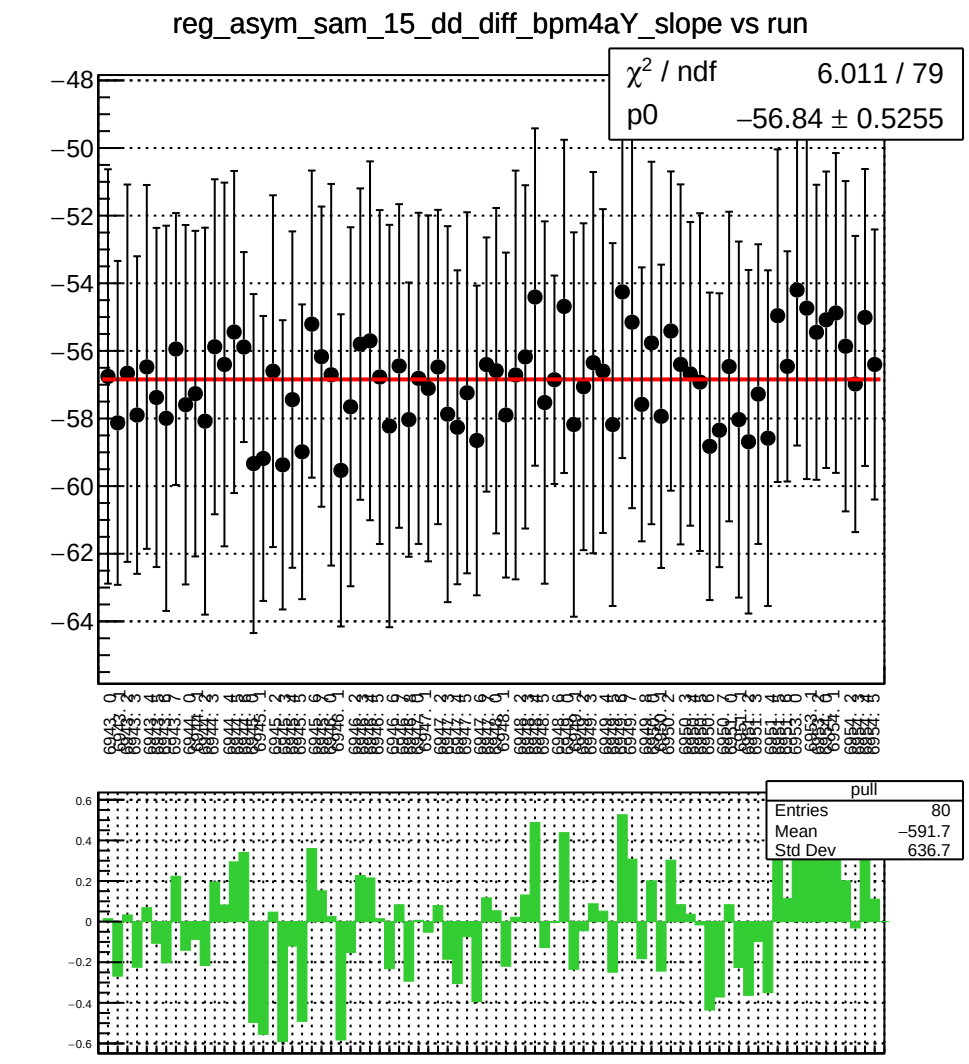

pull1D
Entries 80
Mean −0.006448
Std Dev 0.4845

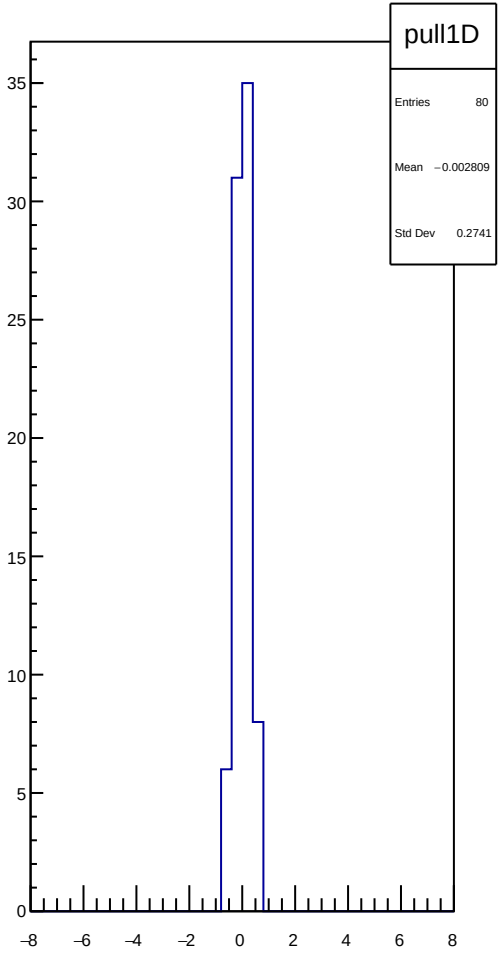

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 10.87 / 79
p0 −0.101 ± 0.01242
pull
Entries 80
Mean −75.67
Std Dev 123.5

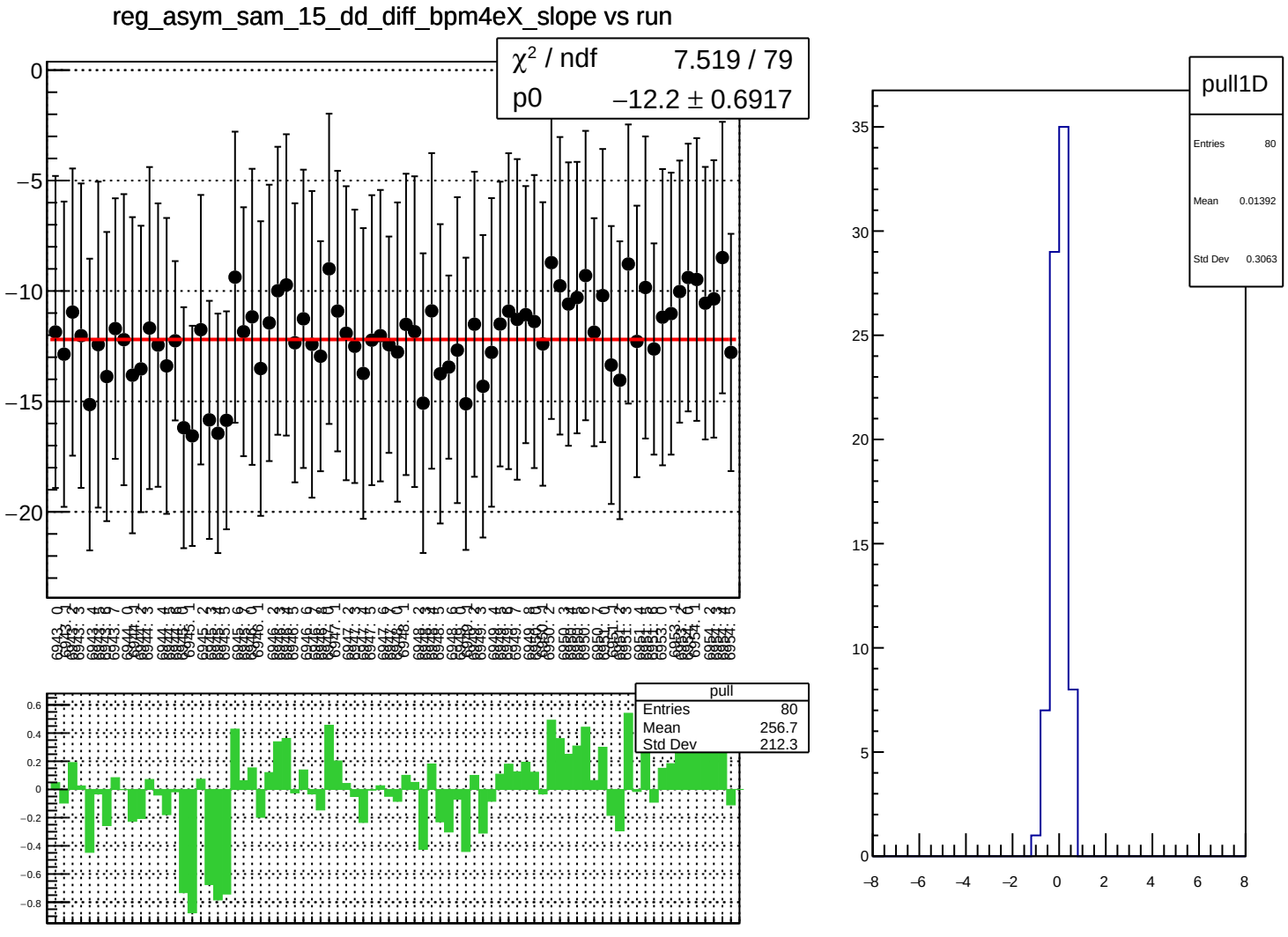

pull1D
Entries 80
Mean −0.01846
Std Dev 0.3682

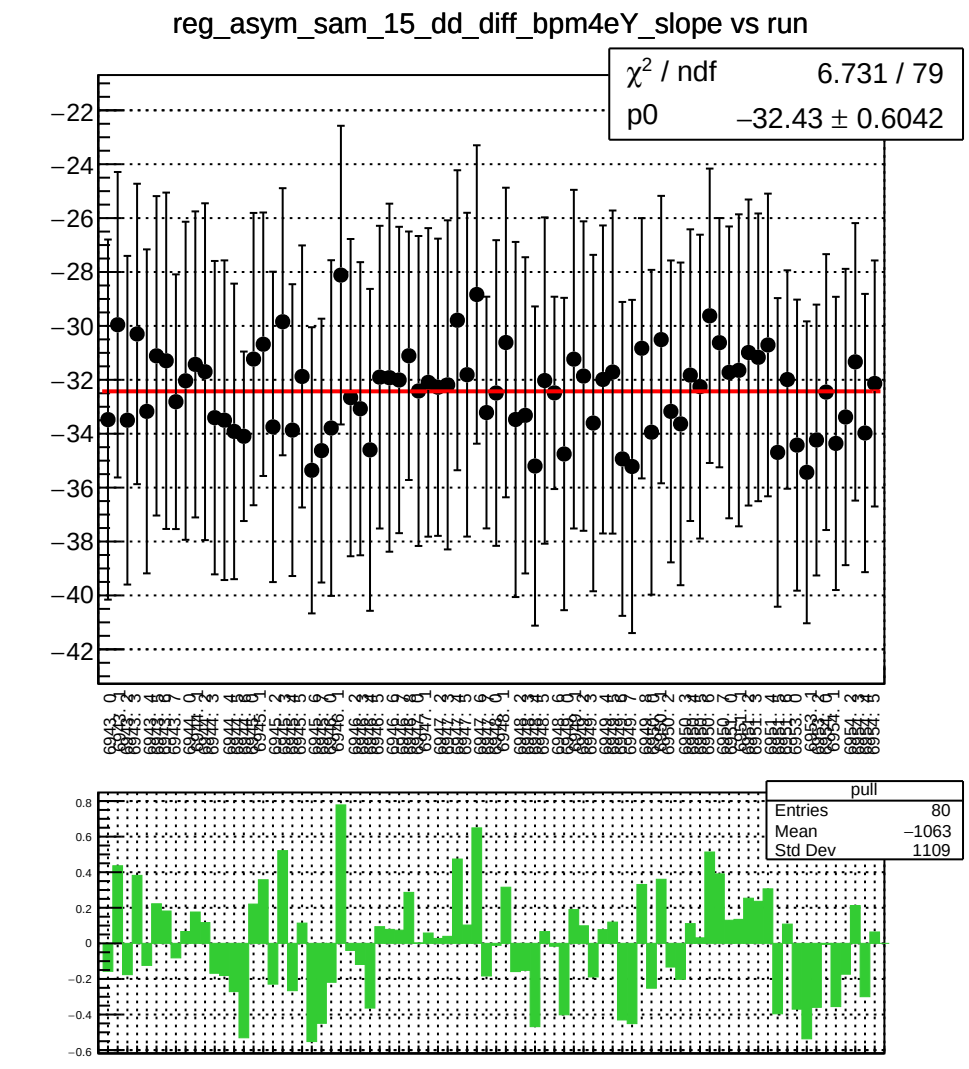

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 7.579 / 79
p0 0.4931 ± 0.7408
pull
Entries 80
Mean 234.6
Std Dev 190.8

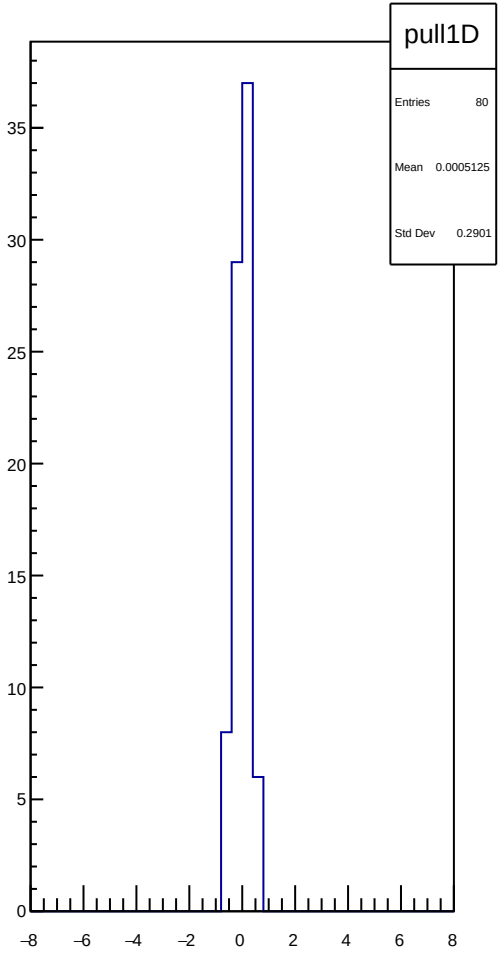

pull1D
Entries 80
Mean −0.01505
Std Dev 0.3074

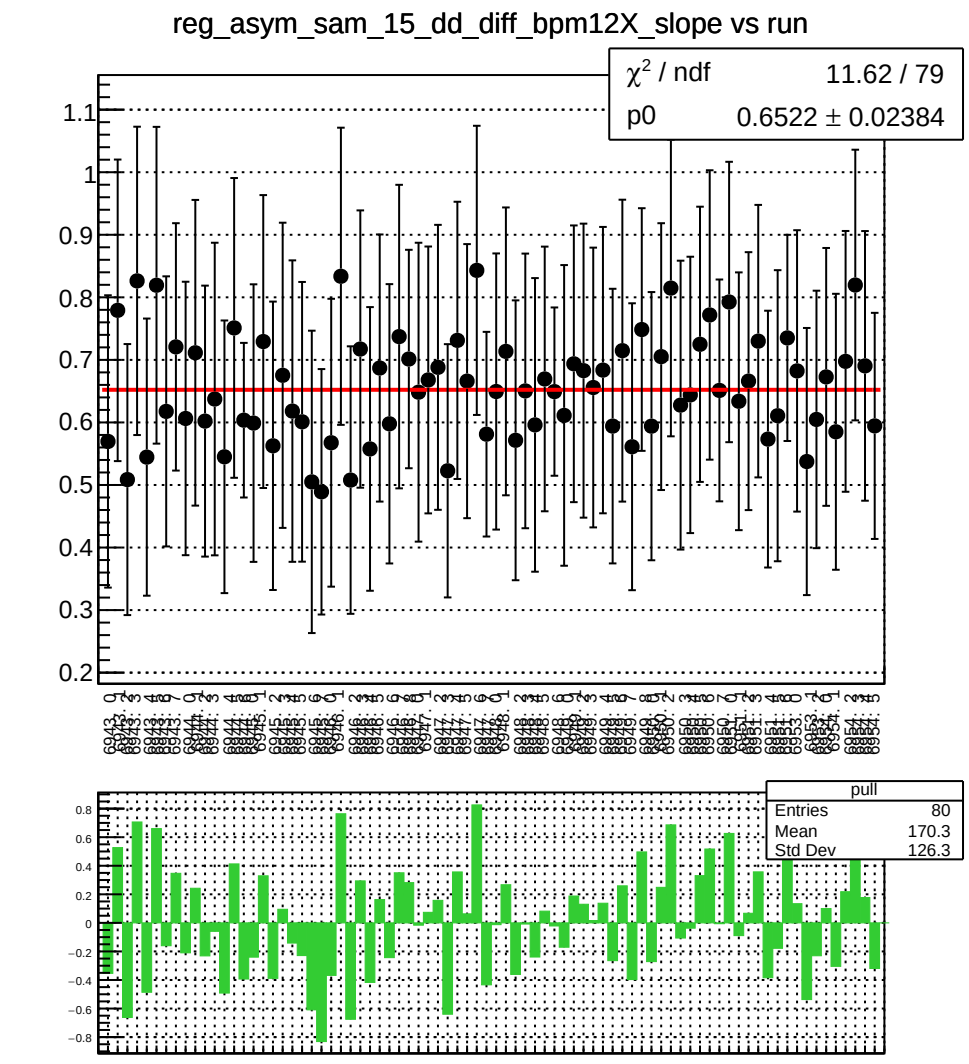

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.011 / 79
p0 −56.84 ± 0.5255
pull
Entries 80
Mean −591.7
Std Dev 636.7

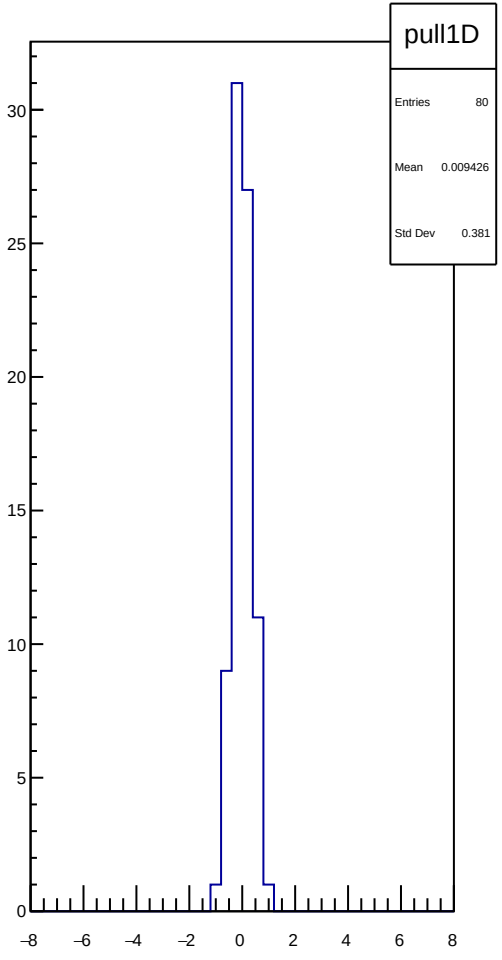

pull1D
Entries 80
Mean −0.002809
Std Dev 0.2741

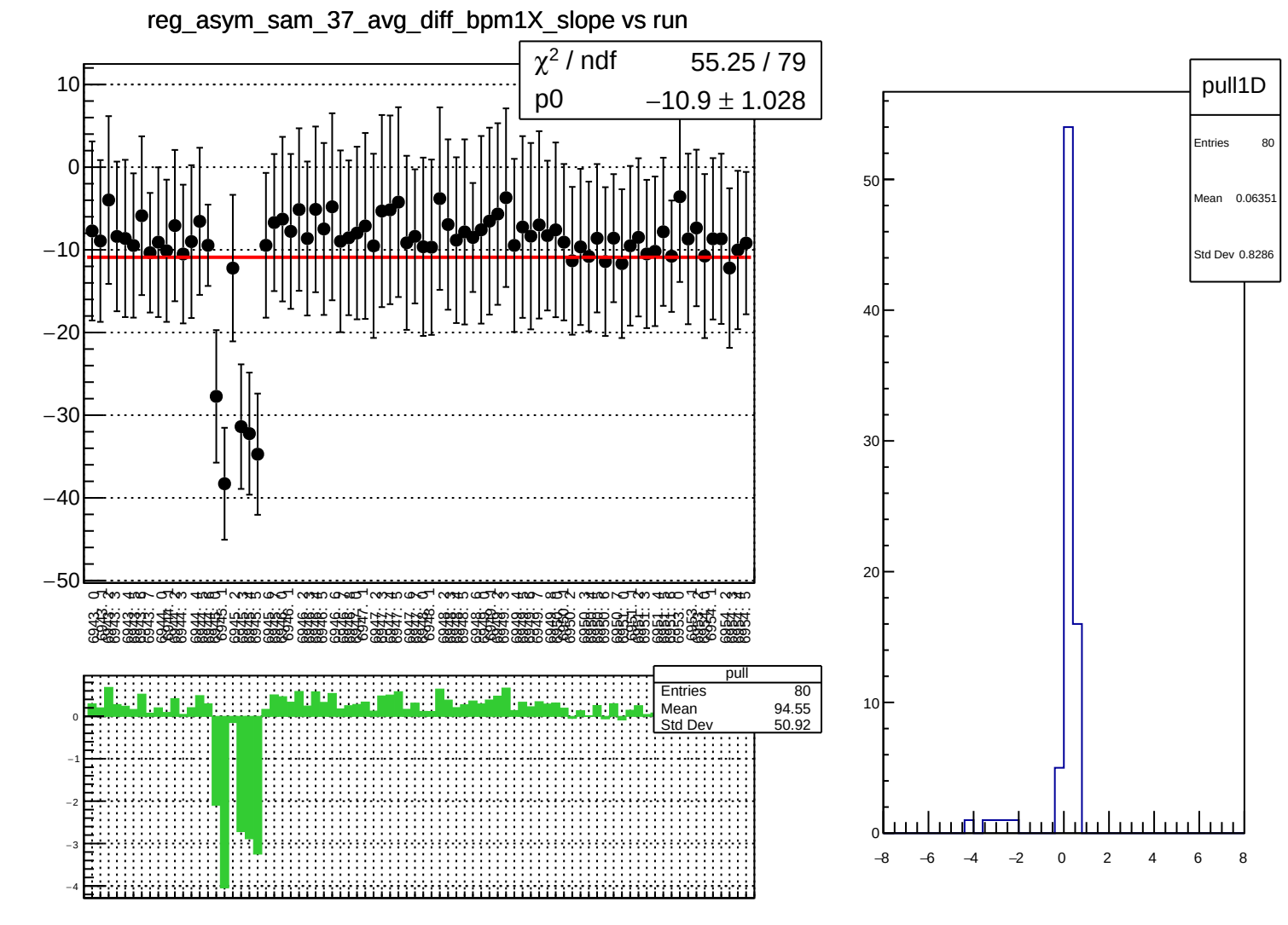

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.519 / 79
p0 −12.2 ± 0.6917
pull
Entries 80
Mean 256.7
Std Dev 212.3
pull1D
Entries 80
Mean 0.01392
Std Dev 0.3063

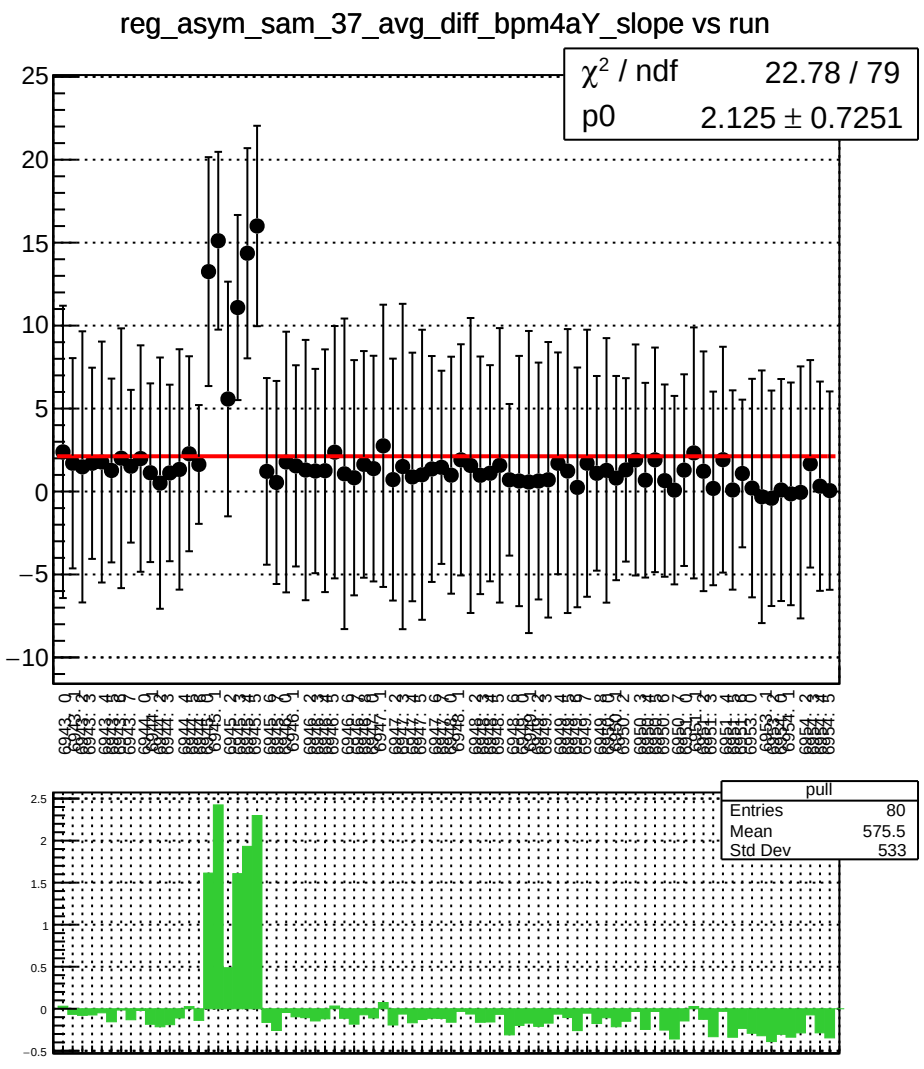

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.731 / 79
p0 −32.43 ± 0.6042
pull
Entries 80
Mean −1063
Std Dev 1109

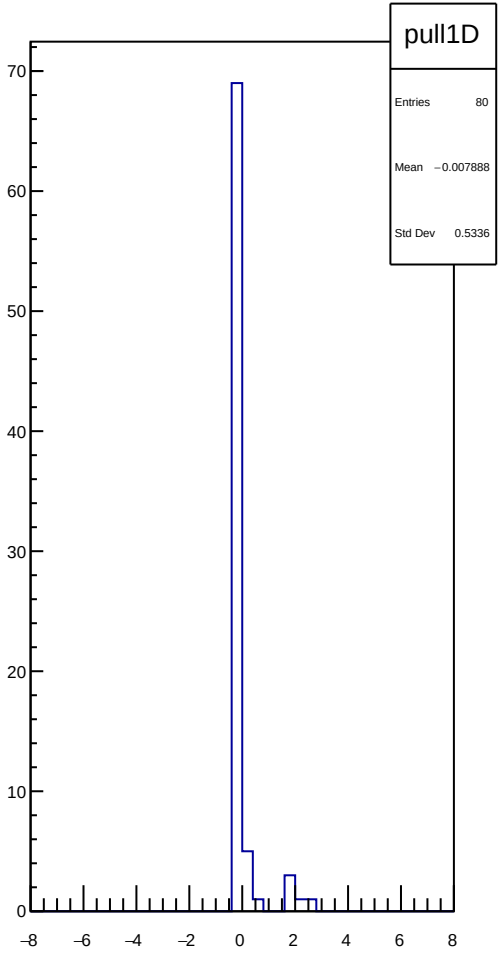

pull1D
Entries 80
Mean 0.0005125
Std Dev 0.2901

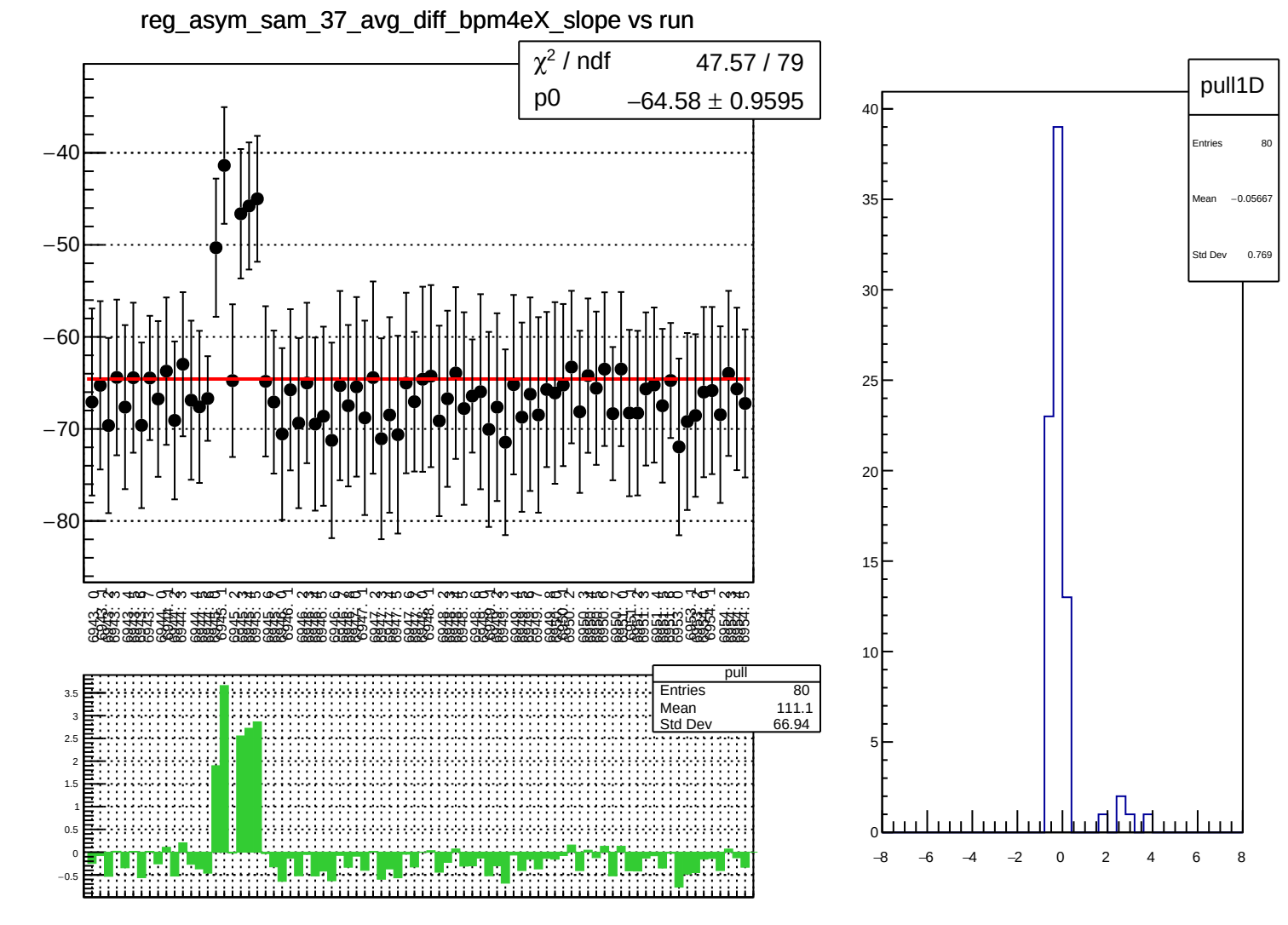

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 11.62 / 79
p0 0.6522 ± 0.02384
pull
Entries 80
Mean 170.3
Std Dev 126.3

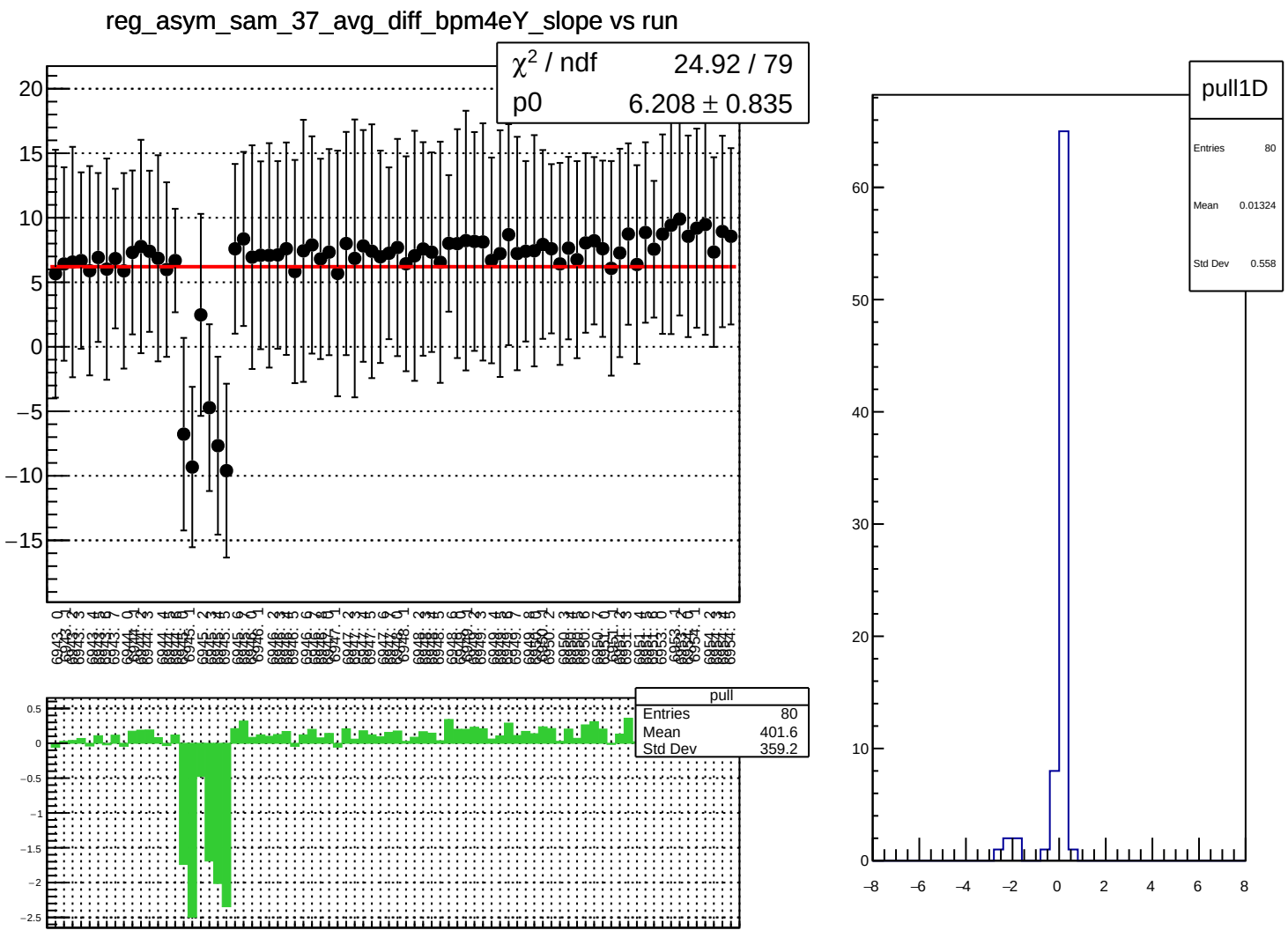

pull1D
Entries 80
Mean 0.009426
Std Dev 0.381

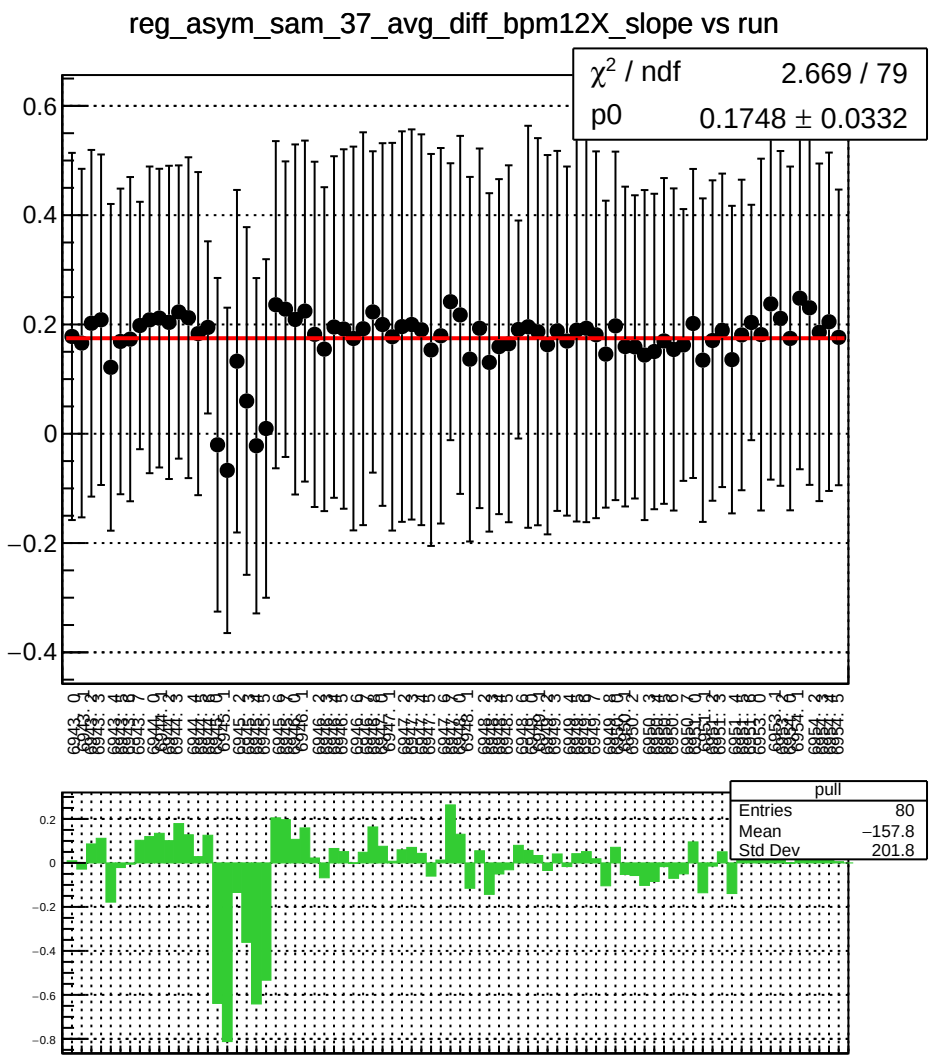

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 55.25 / 79
p0 −10.9 ± 1.028
pull
Entries 80
Mean 94.55
Std Dev 50.92
pull1D
Entries 80
Mean 0.06351
Std Dev 0.8286

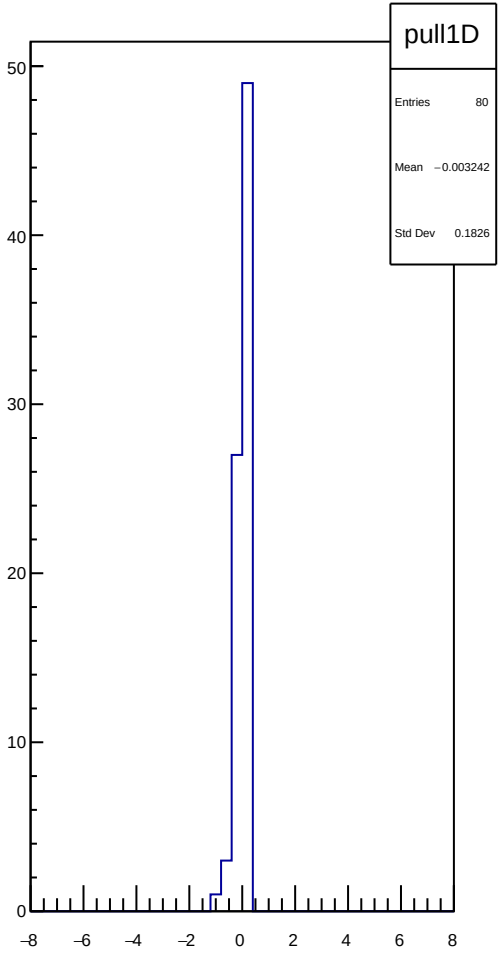

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.78 / 79
p0 2.125 ± 0.7251
pull
Entries 80
Mean 575.5
Std Dev 533

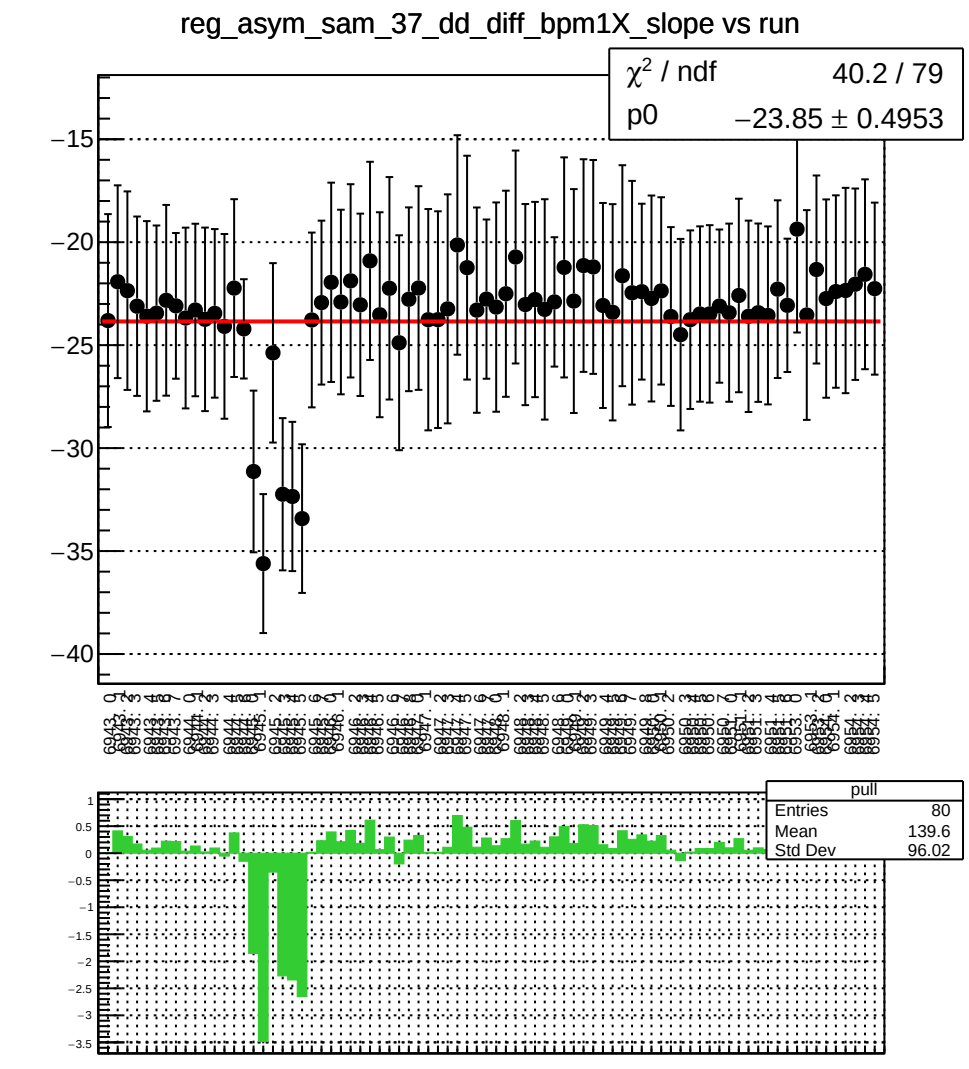

pull1D
Entries 80
Mean −0.007888
Std Dev 0.5336

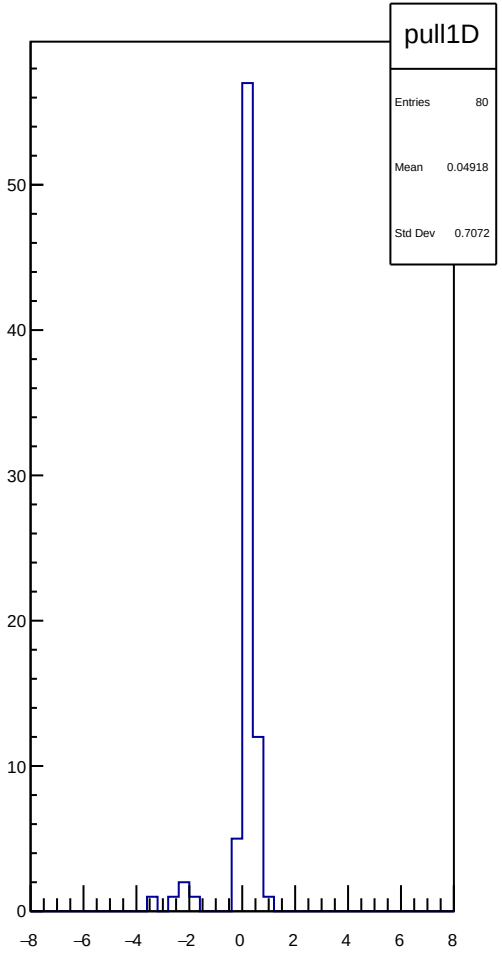

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.57 / 79
p0 −64.58 ± 0.9595
pull
Entries 80
Mean 111.1
Std Dev 66.94
pull1D
Entries 80
Mean −0.05667
Std Dev 0.769

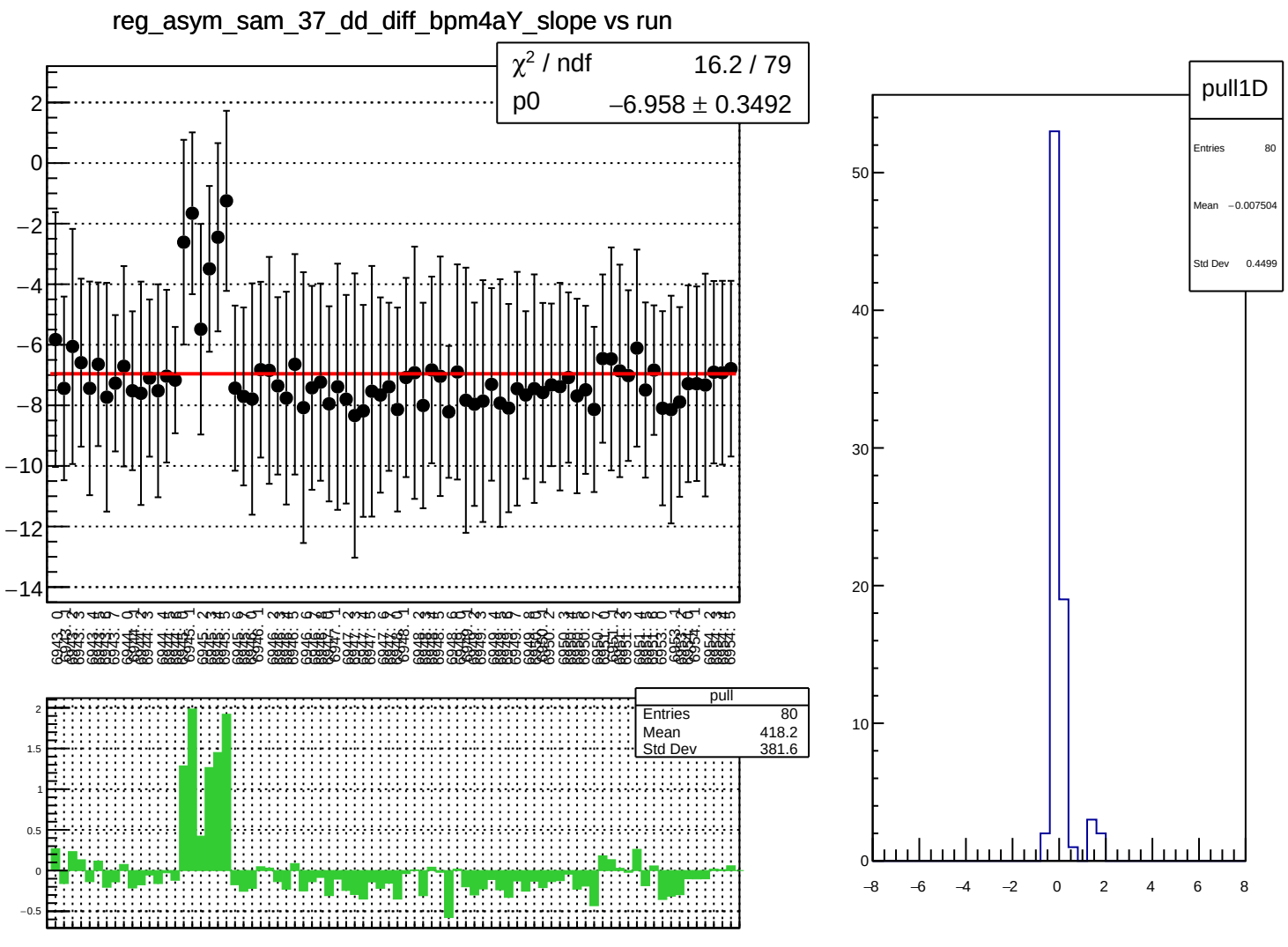

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.92 / 79
p0 6.208 ± 0.835
pull
Entries 80
Mean 401.6
Std Dev 359.2
pull1D
Entries 80
Mean 0.01324
Std Dev 0.558

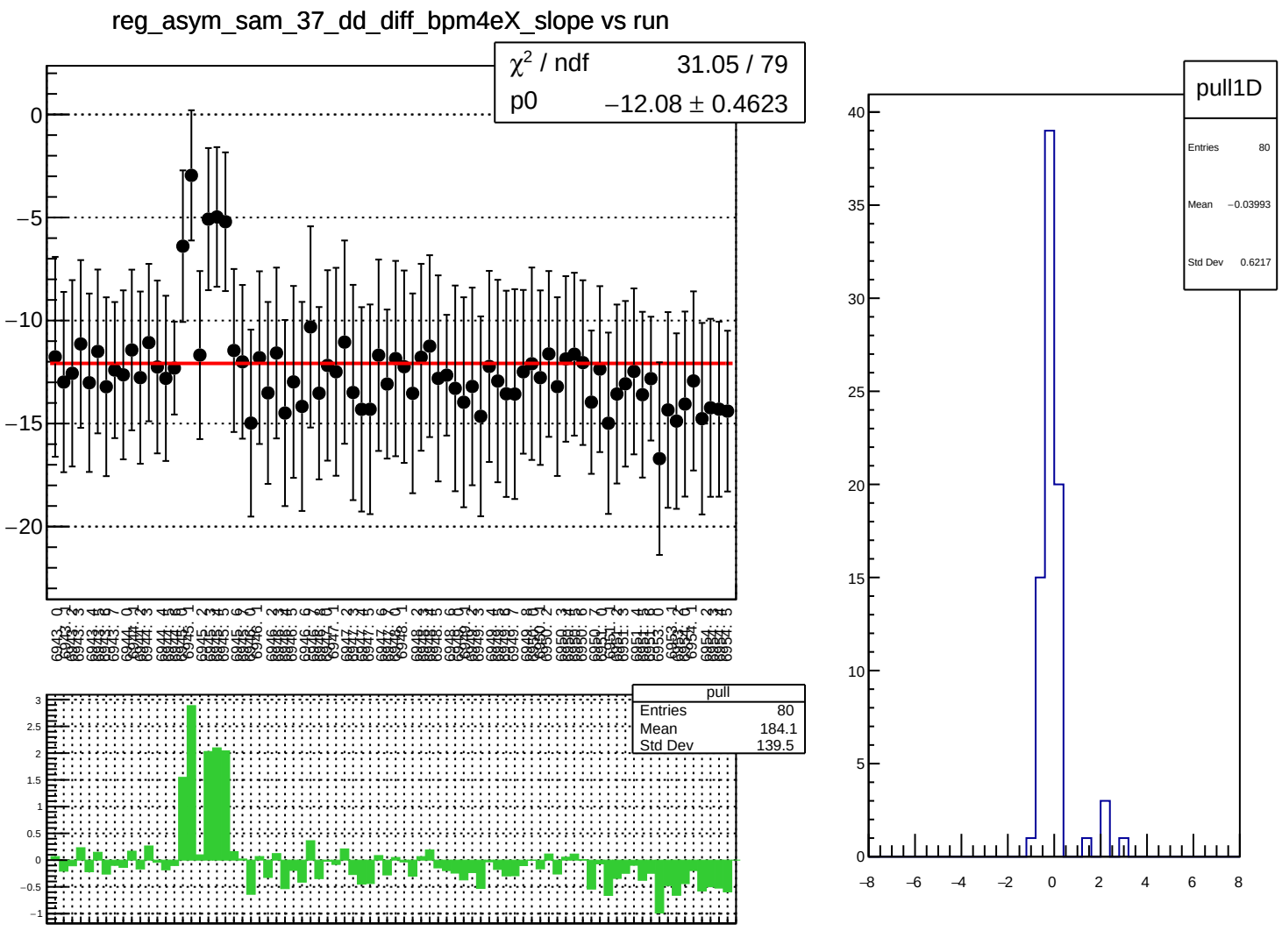

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.669 / 79
p0 0.1748 ± 0.0332
pull
Entries 80
Mean −157.8
Std Dev 201.8

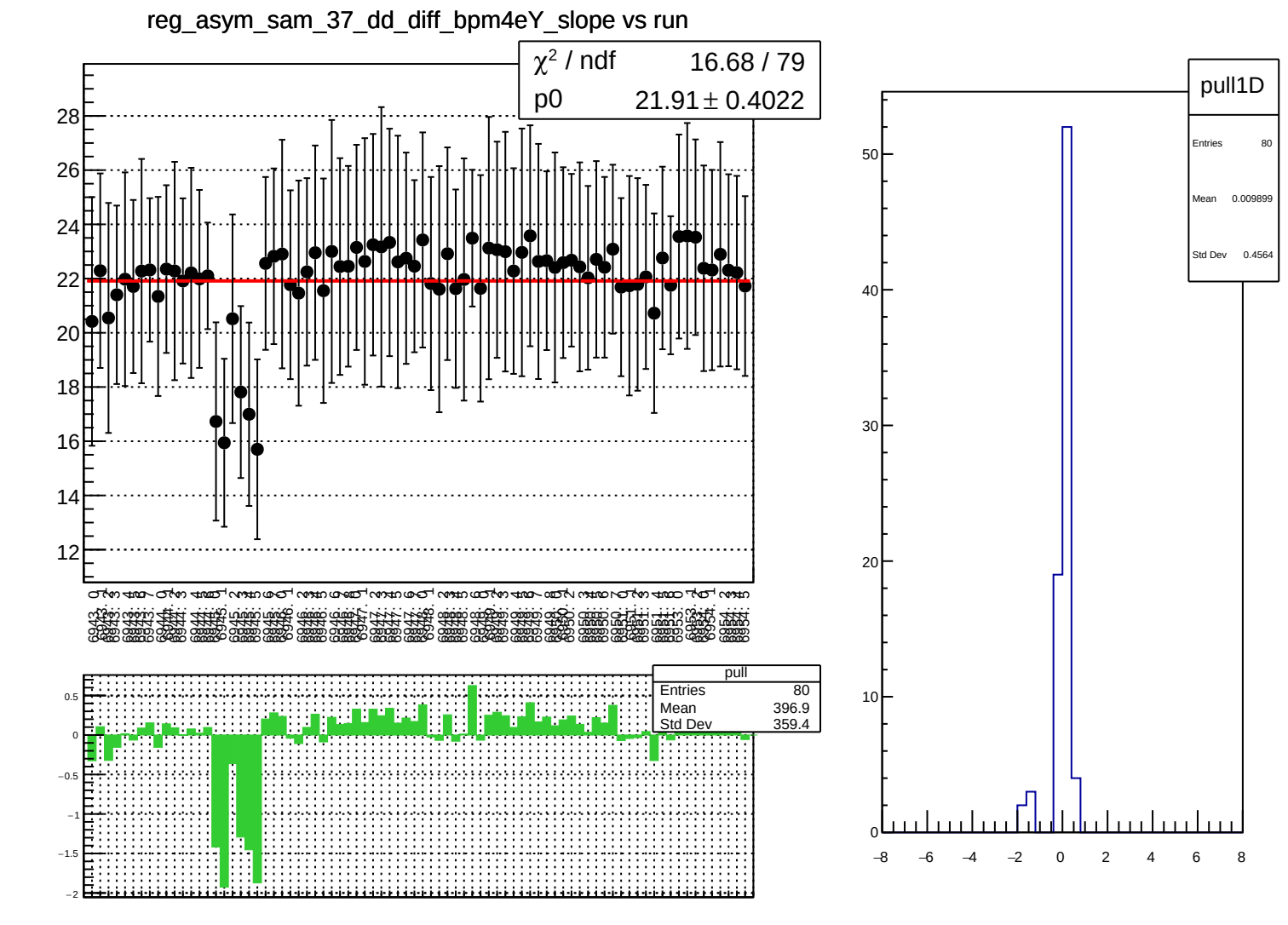

pull1D
Entries 80
Mean −0.003242
Std Dev 0.1826

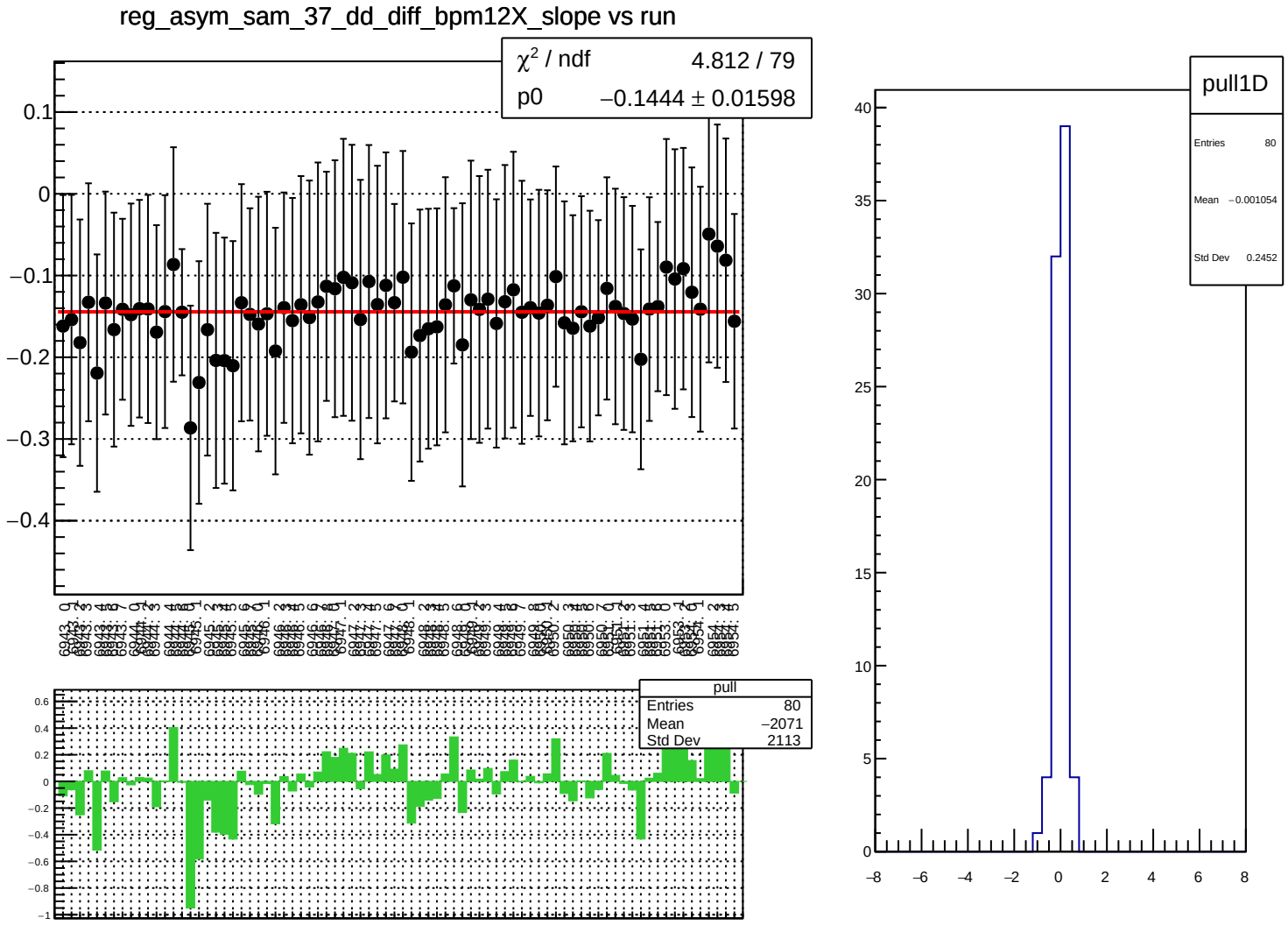

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 40.2 / 79
p0 −23.85 ± 0.4953
pull
Entries 80
Mean 139.6
Std Dev 96.02

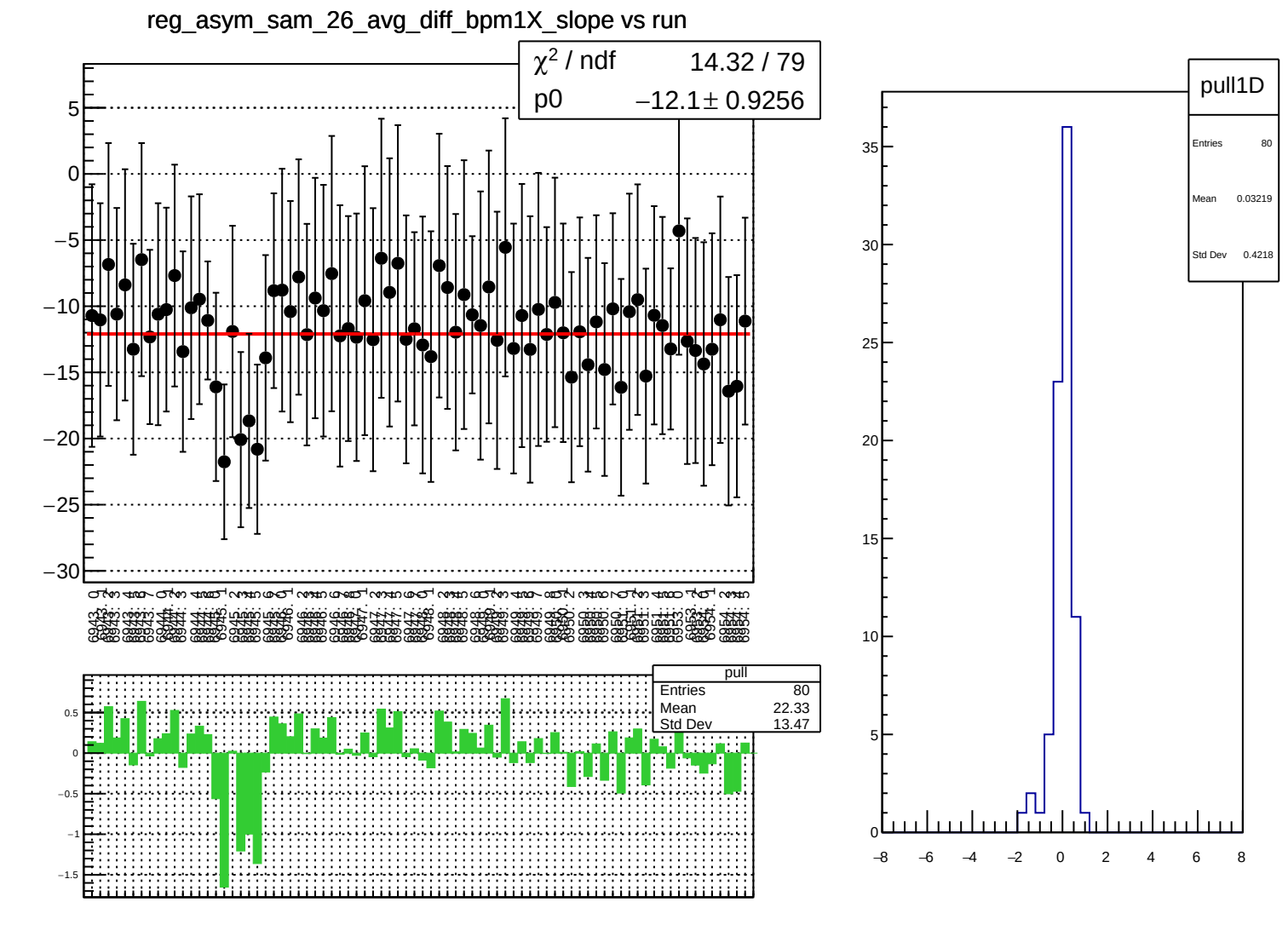

pull1D
Entries 80
Mean 0.04918
Std Dev 0.7072

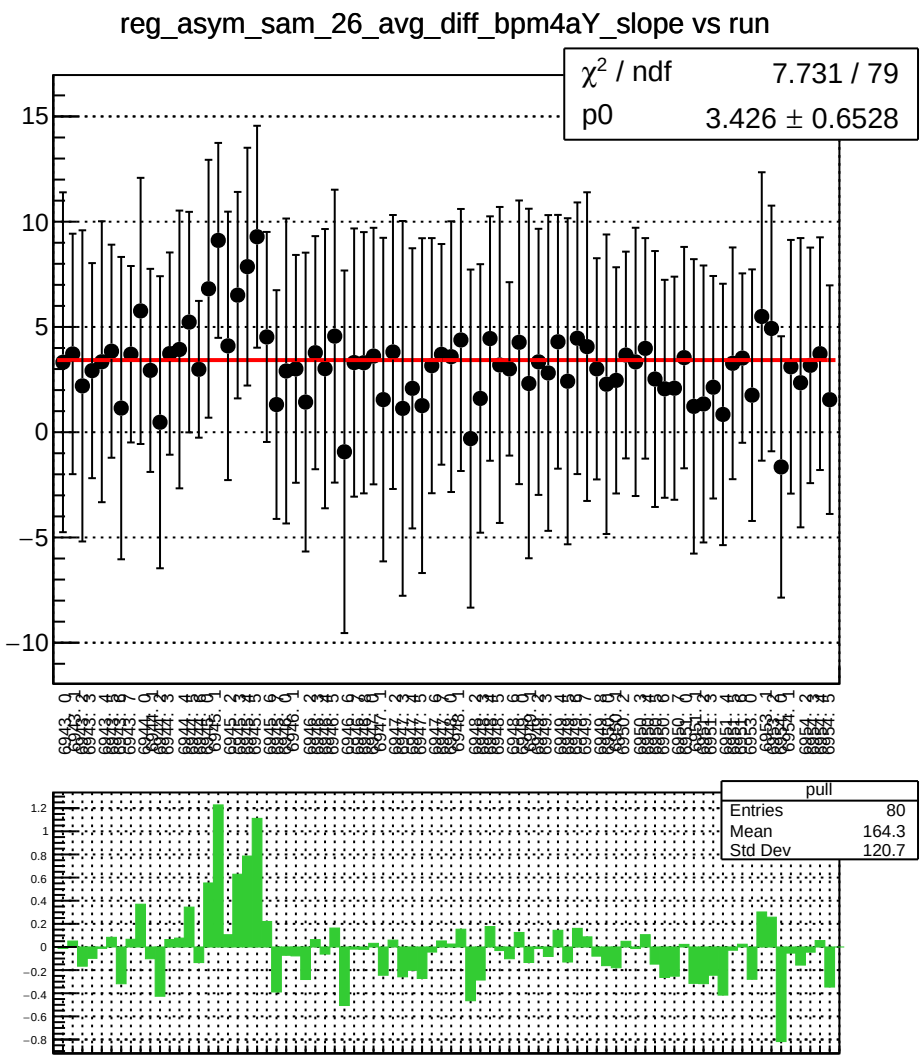

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.2 / 79
p0 −6.958 ± 0.3492
pull
Entries 80
Mean 418.2
Std Dev 381.6
pull1D
Entries 80
Mean −0.007504
Std Dev 0.4499

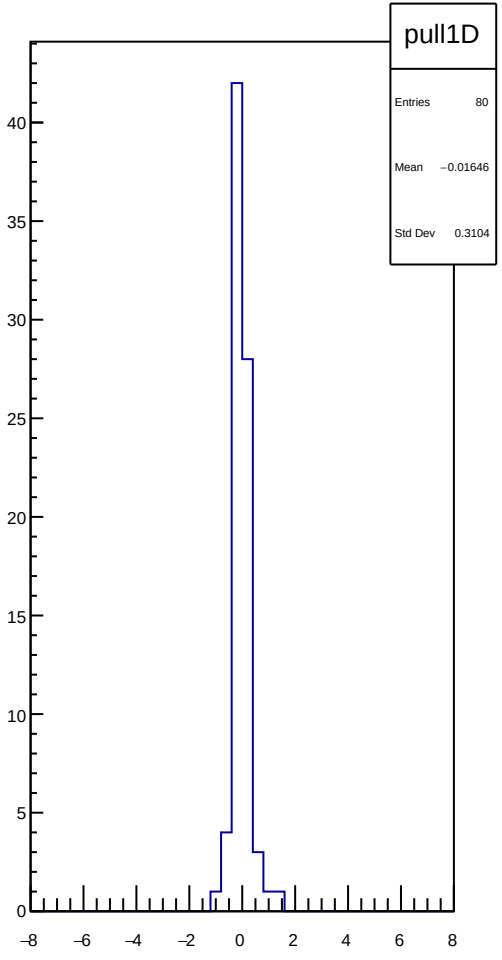

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.05 / 79
p0 −12.08 ± 0.4623
pull
Entries 80
Mean 184.1
Std Dev 139.5
pull1D
Entries 80
Mean −0.03993
Std Dev 0.6217

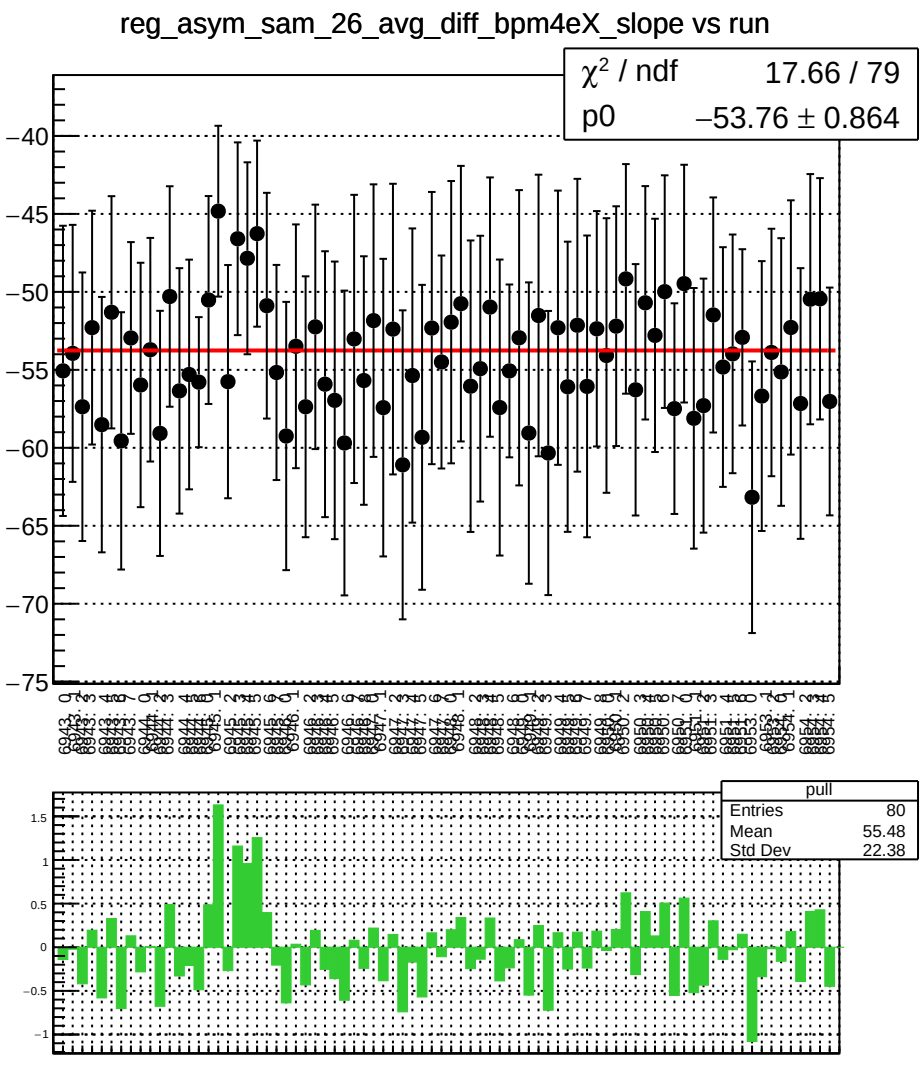

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.68 / 79
p0 21.91 ± 0.4022
pull
Entries 80
Mean 396.9
Std Dev 359.4
pull1D
Entries 80
Mean 0.009899
Std Dev 0.4564

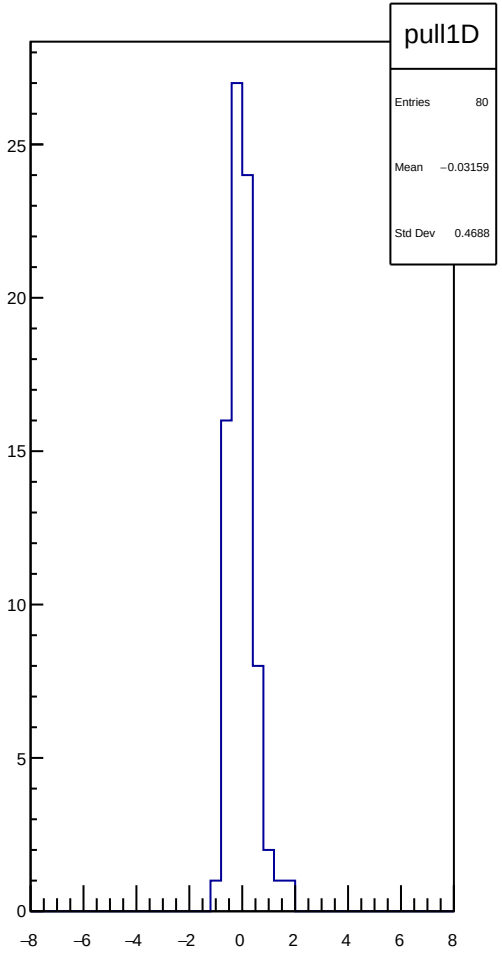

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.812 / 79
p0 −0.1444 ± 0.01598
pull
Entries 80
Mean −2071
Std Dev 2113
pull1D
Entries 80
Mean −0.001054
Std Dev 0.2452

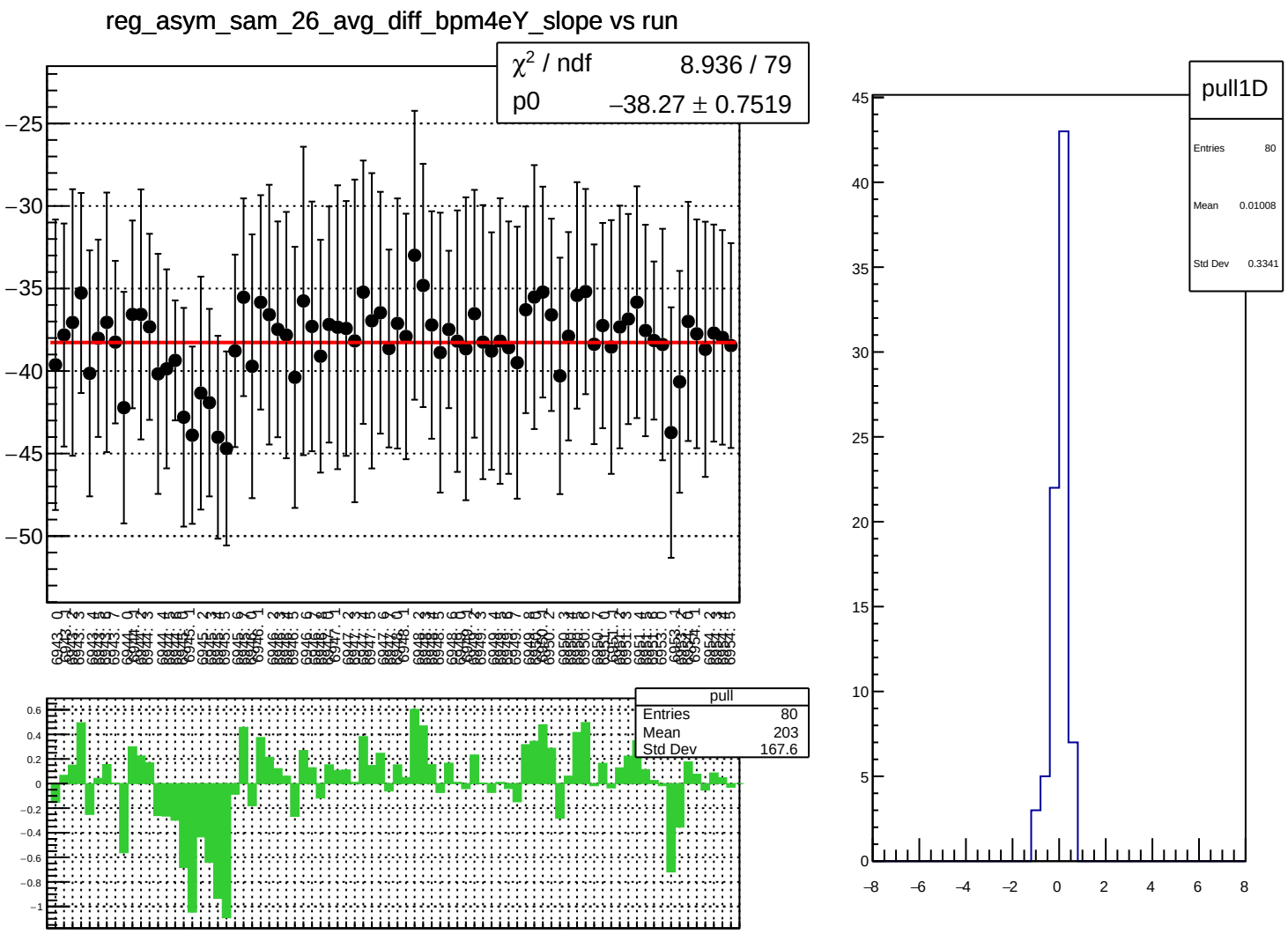

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 14.32 / 79
p0 −12.1 ± 0.9256
pull
Entries 80
Mean 22.33
Std Dev 13.47
pull1D
Entries 80
Mean 0.03219
Std Dev 0.4218

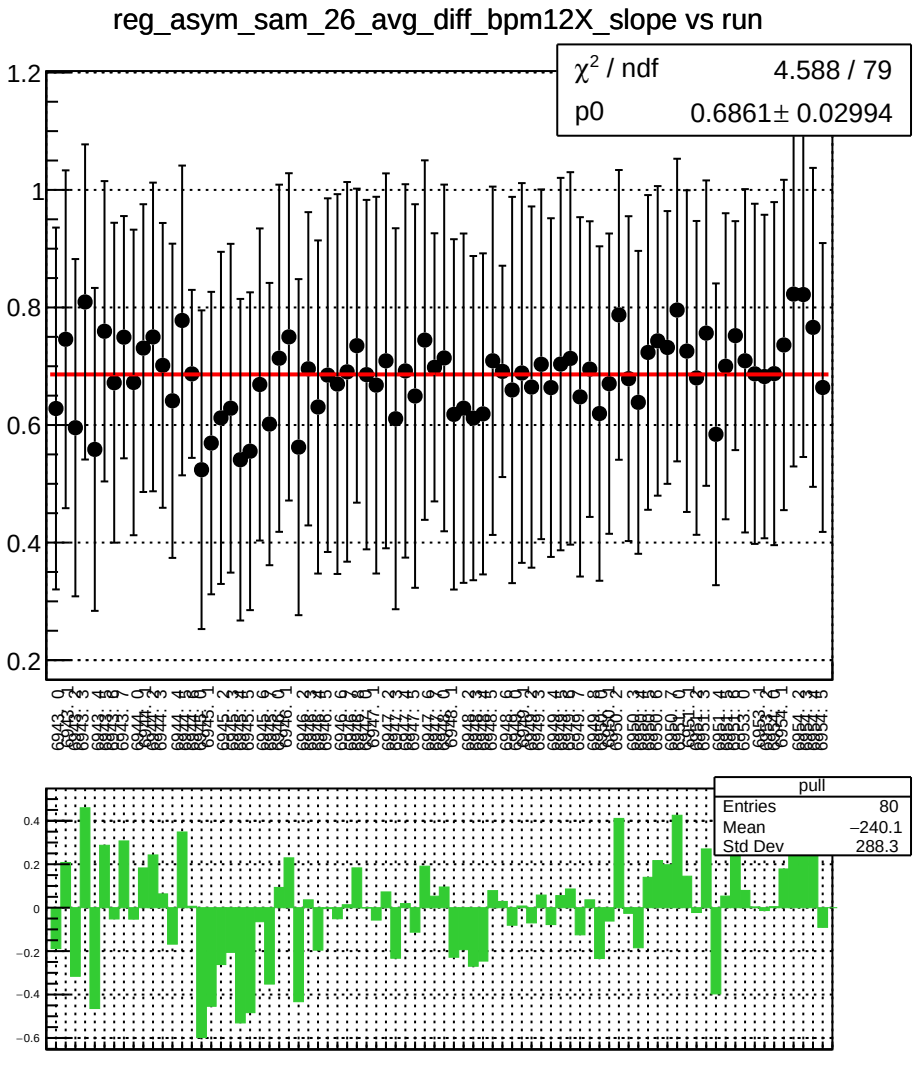

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.731 / 79
p0 3.426 ± 0.6528
pull
Entries 80
Mean 164.3
Std Dev 120.7

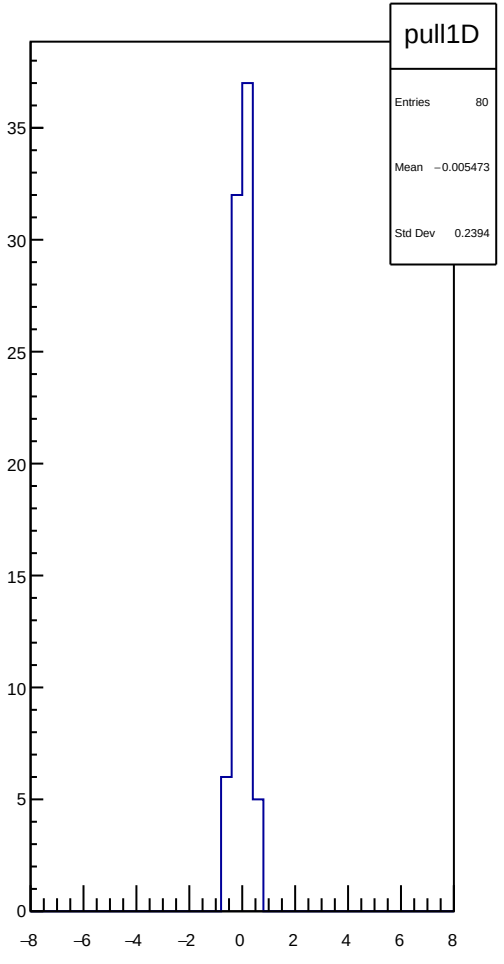

pull1D
Entries 80
Mean −0.01646
Std Dev 0.3104

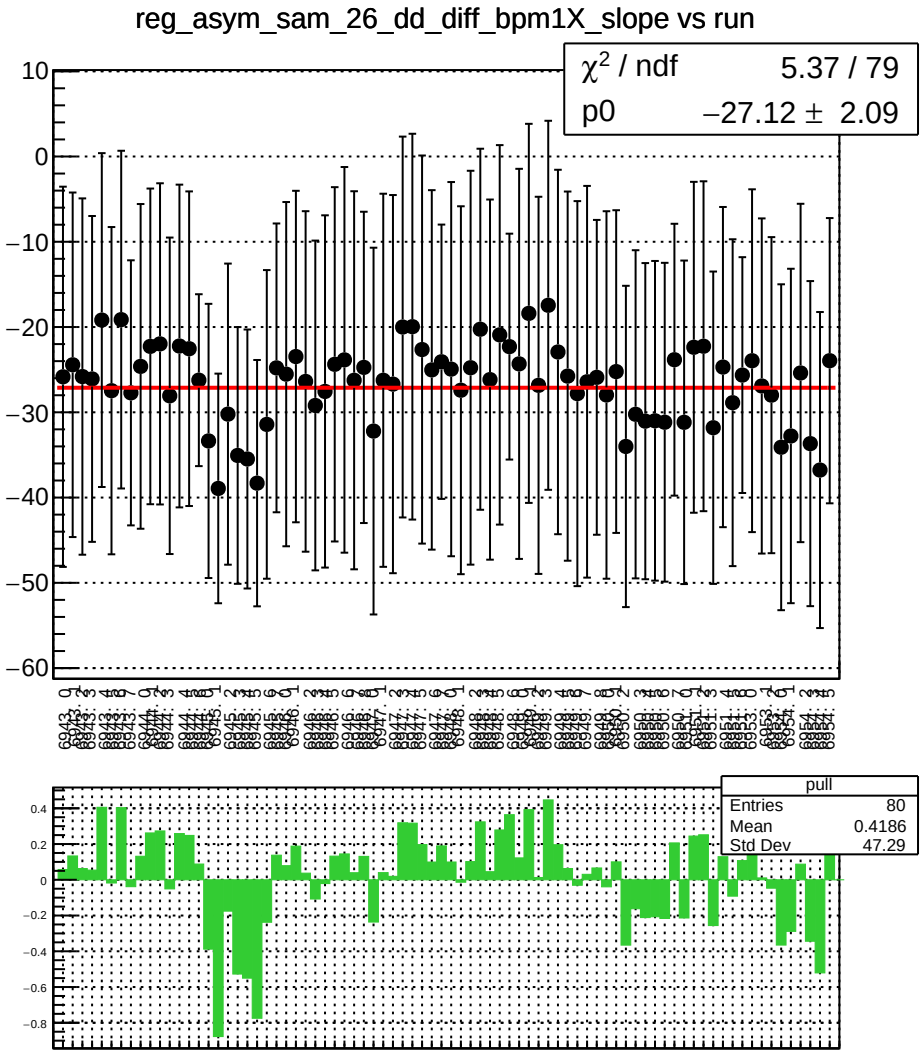

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.66 / 79
p0 −53.76 ± 0.864
pull
Entries 80
Mean 55.48
Std Dev 22.38

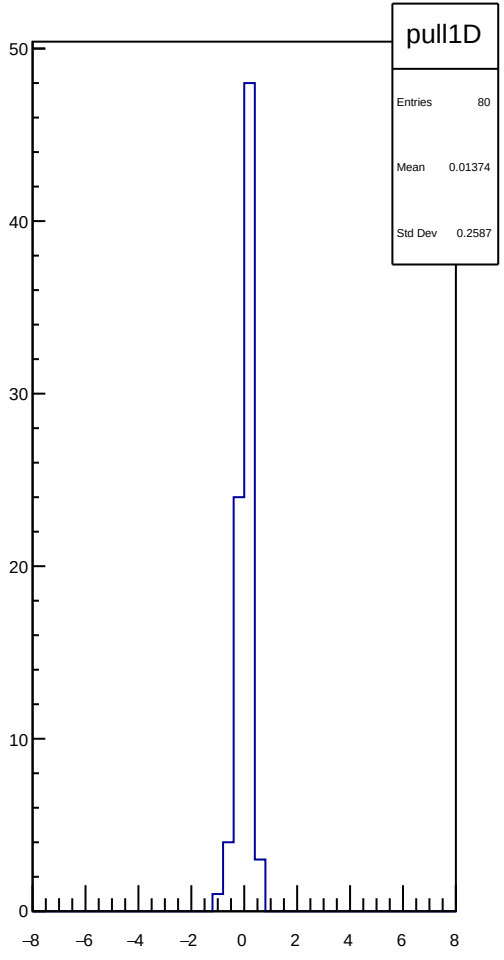

pull1D
Entries 80
Mean −0.03159
Std Dev 0.4688

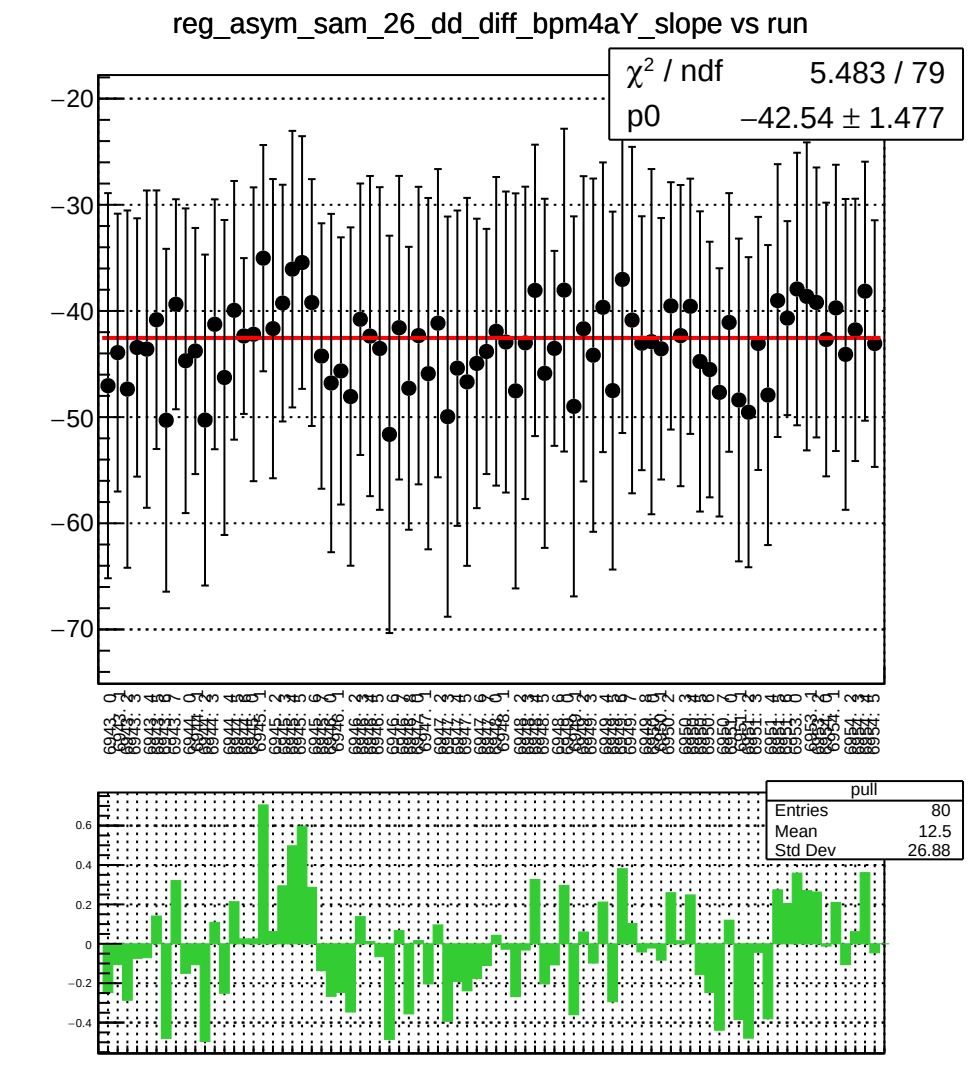

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.936 / 79
p0 −38.27 ± 0.7519
pull
Entries 80
Mean 203
Std Dev 167.6
pull1D
Entries 80
Mean 0.01008
Std Dev 0.3341

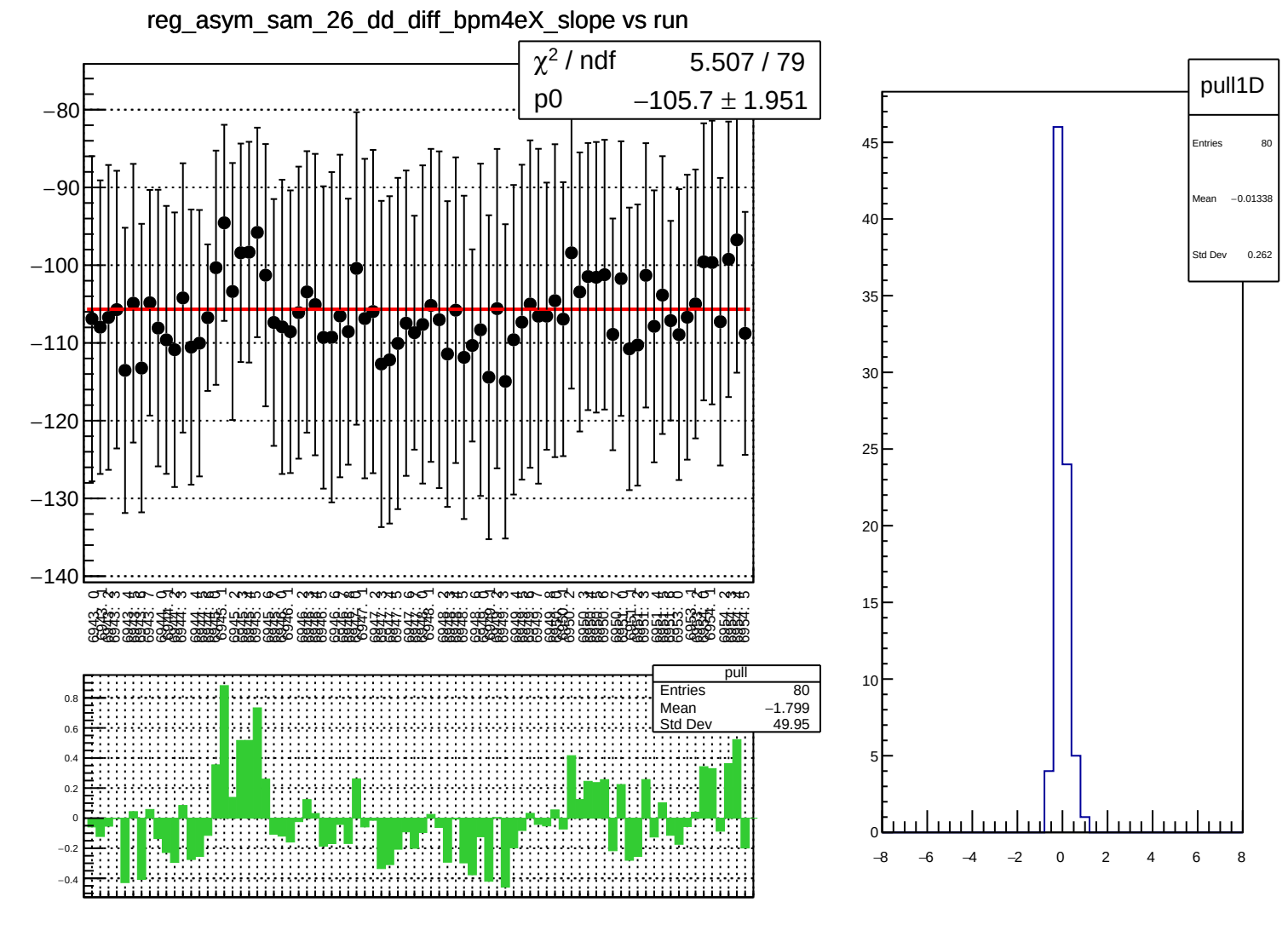

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.588 / 79
p0 0.6861± 0.02994
pull
Entries 80
Mean −240.1
Std Dev 288.3

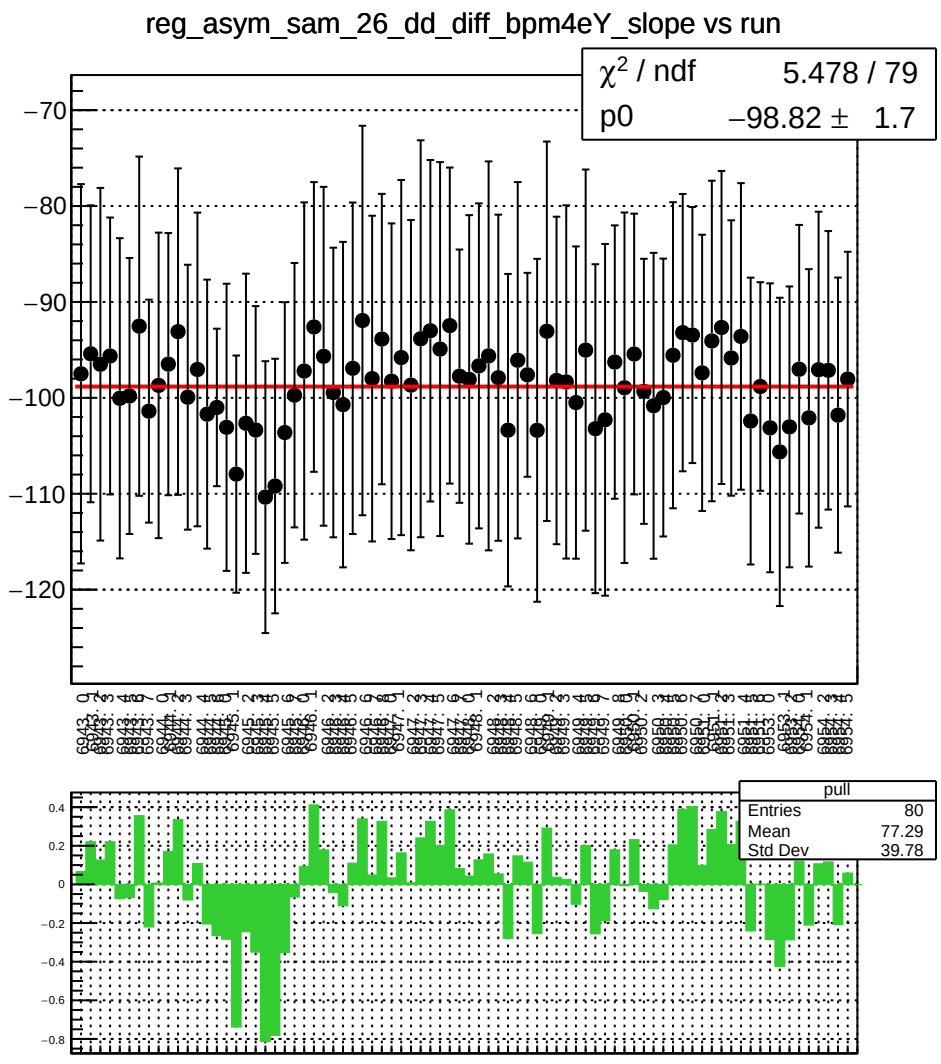

pull1D
Entries 80
Mean −0.005473
Std Dev 0.2394

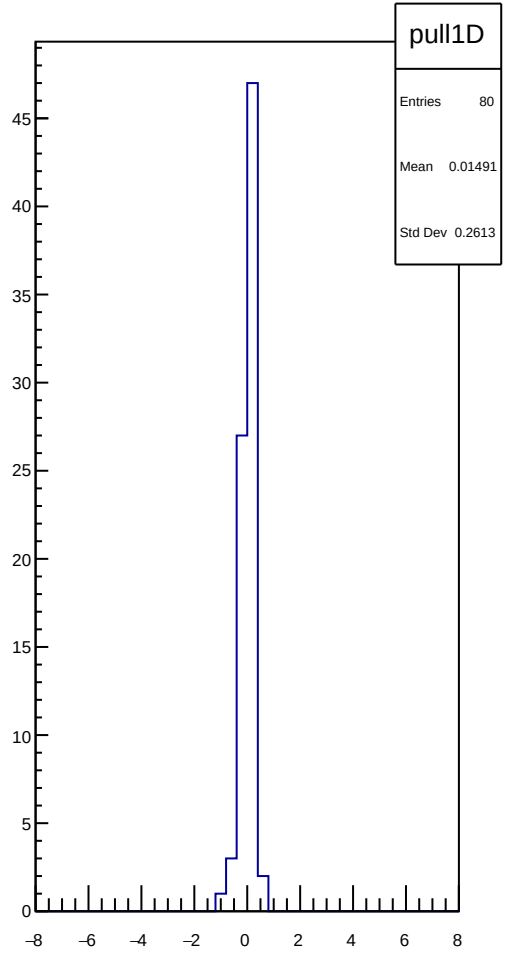

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.37 / 79
p0 −27.12 ± 2.09
pull
Entries 80
Mean 0.4186
Std Dev 47.29

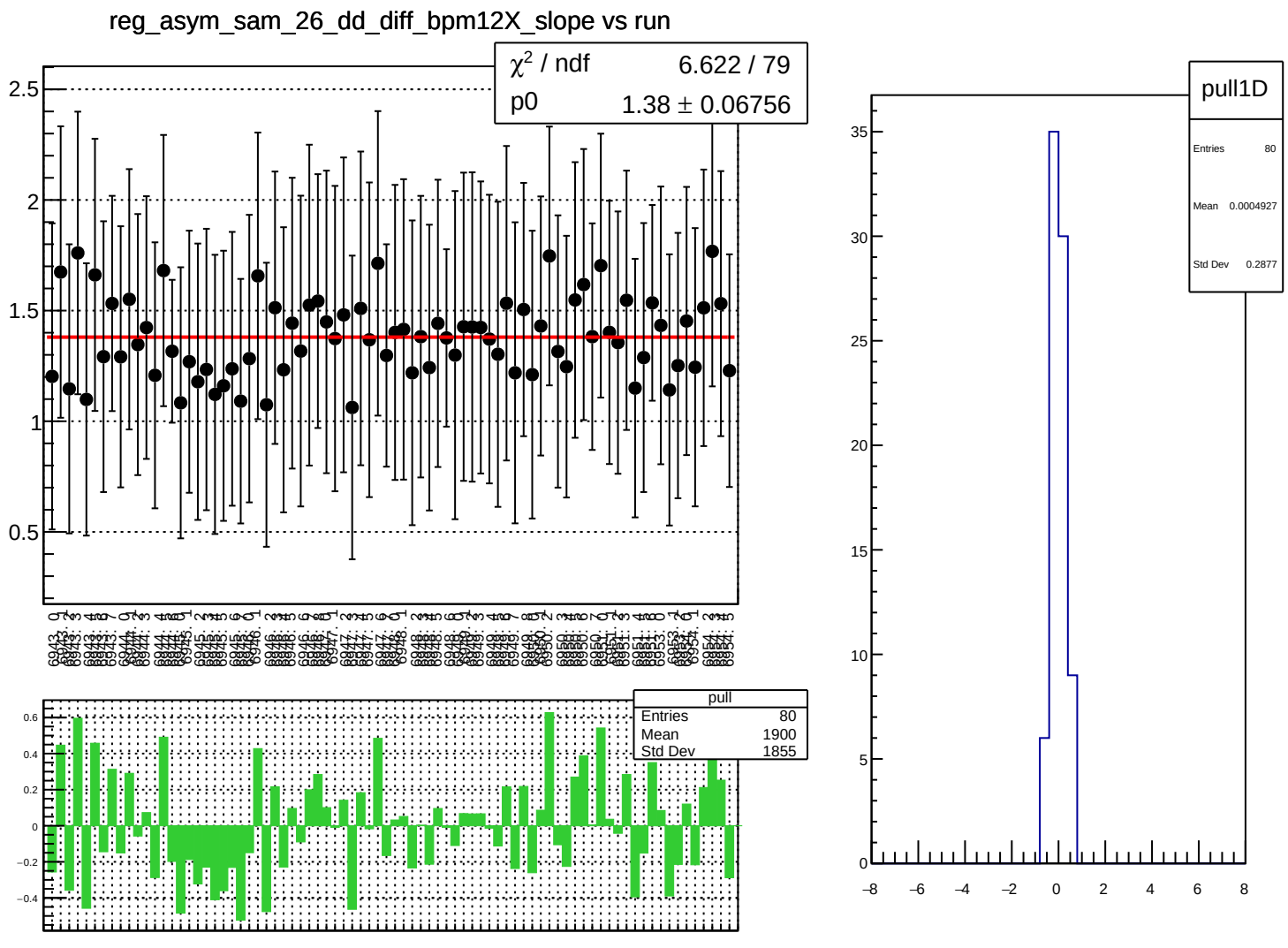

pull1D
Entries 80
Mean 0.01374
Std Dev 0.2587

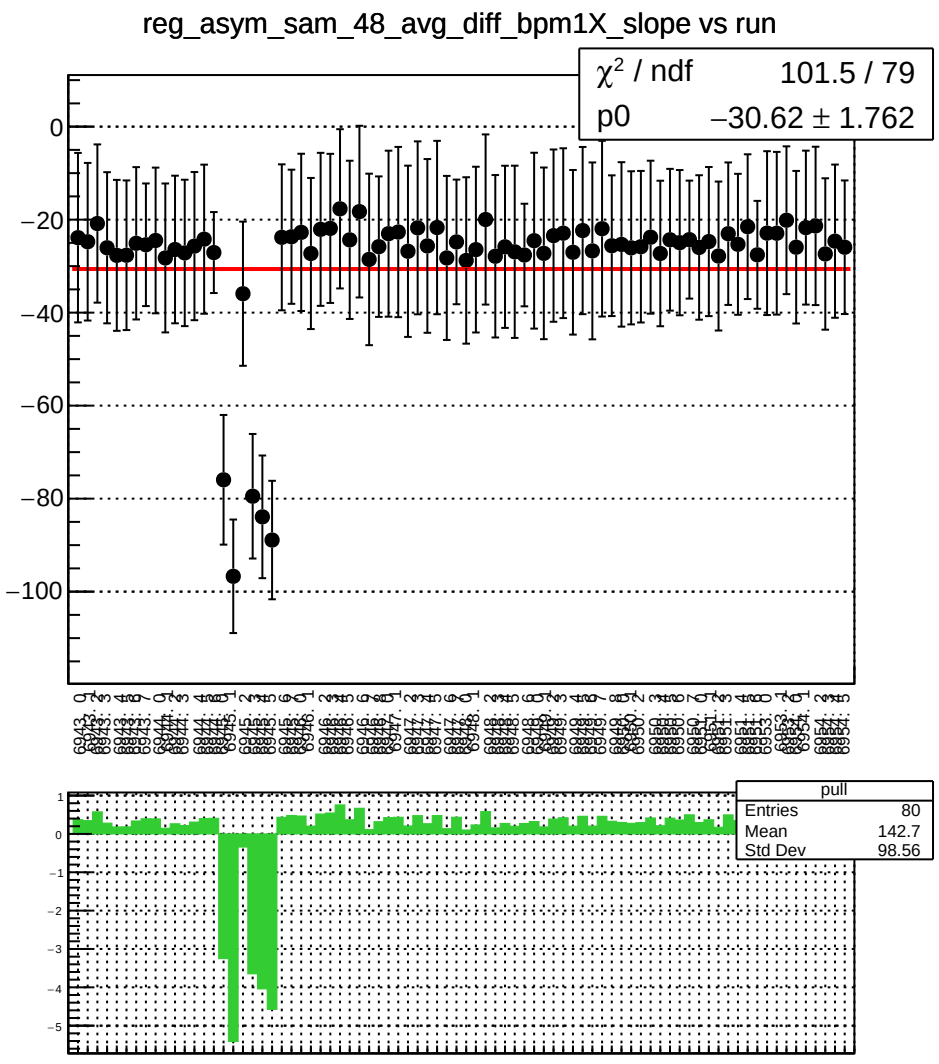

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.483 / 79
p0 −42.54 ± 1.477
pull
Entries 80
Mean 12.5
Std Dev 26.88
pull1D
Entries 80
Mean −0.02054
Std Dev 0.261

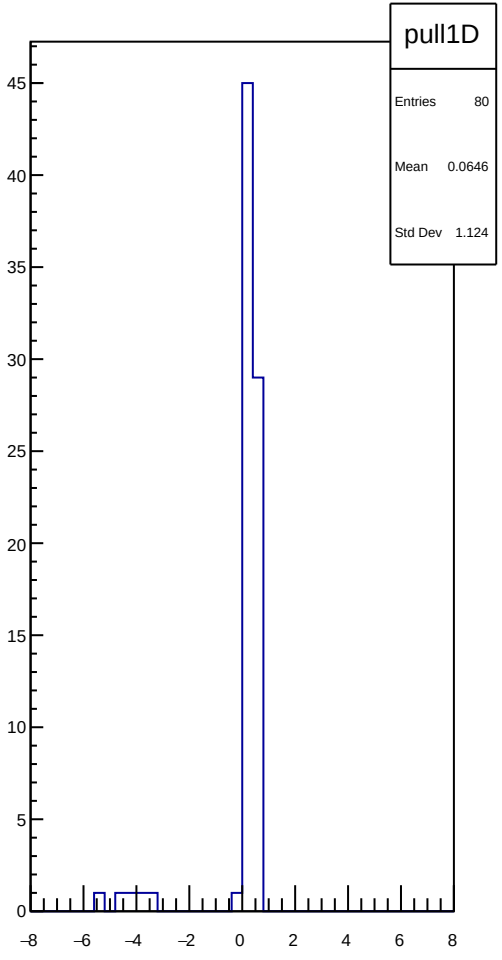

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.507 / 79
p0 −105.7 ± 1.951
pull
Entries 80
Mean −1.799
Std Dev 49.95
pull1D
Entries 80
Mean −0.01338
Std Dev 0.262

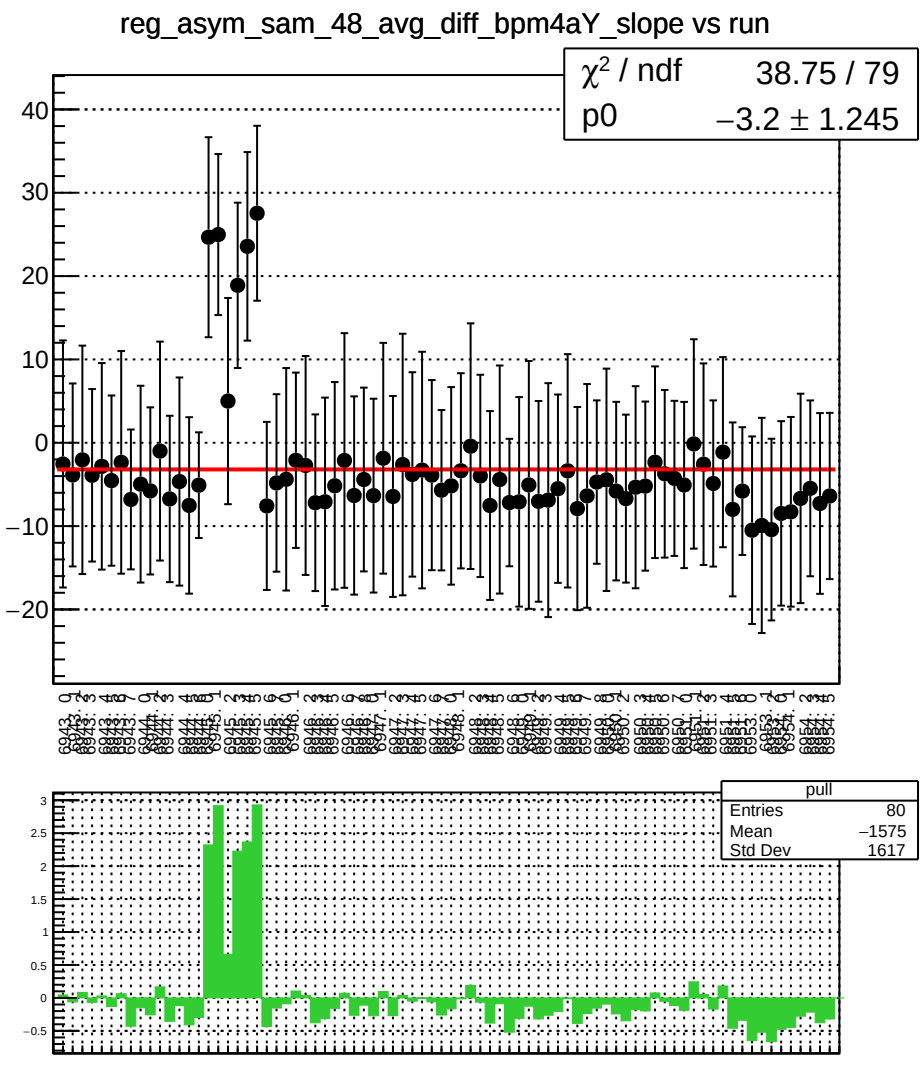

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.478 / 79
p0 −98.82 ± 1.7
pull
Entries 80
Mean 77.29
Std Dev 39.78

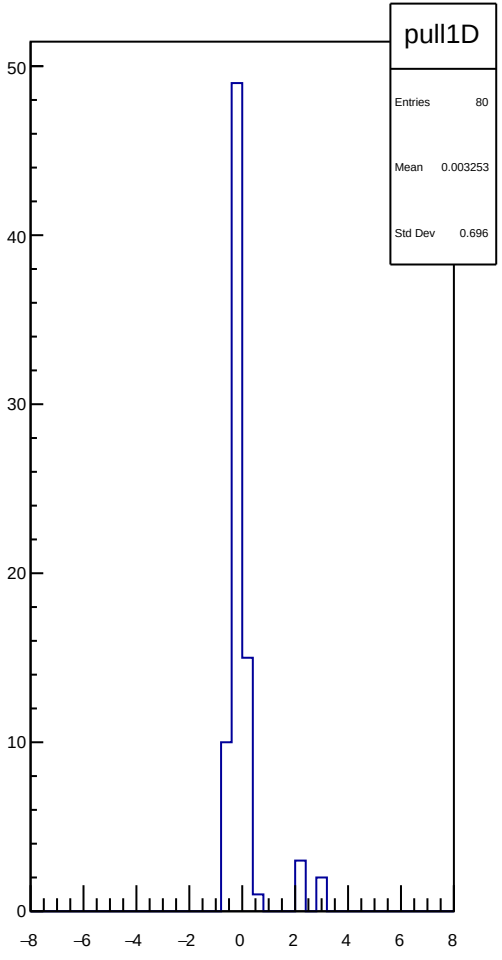

pull1D
Entries 80
Mean 0.01491
Std Dev 0.2613

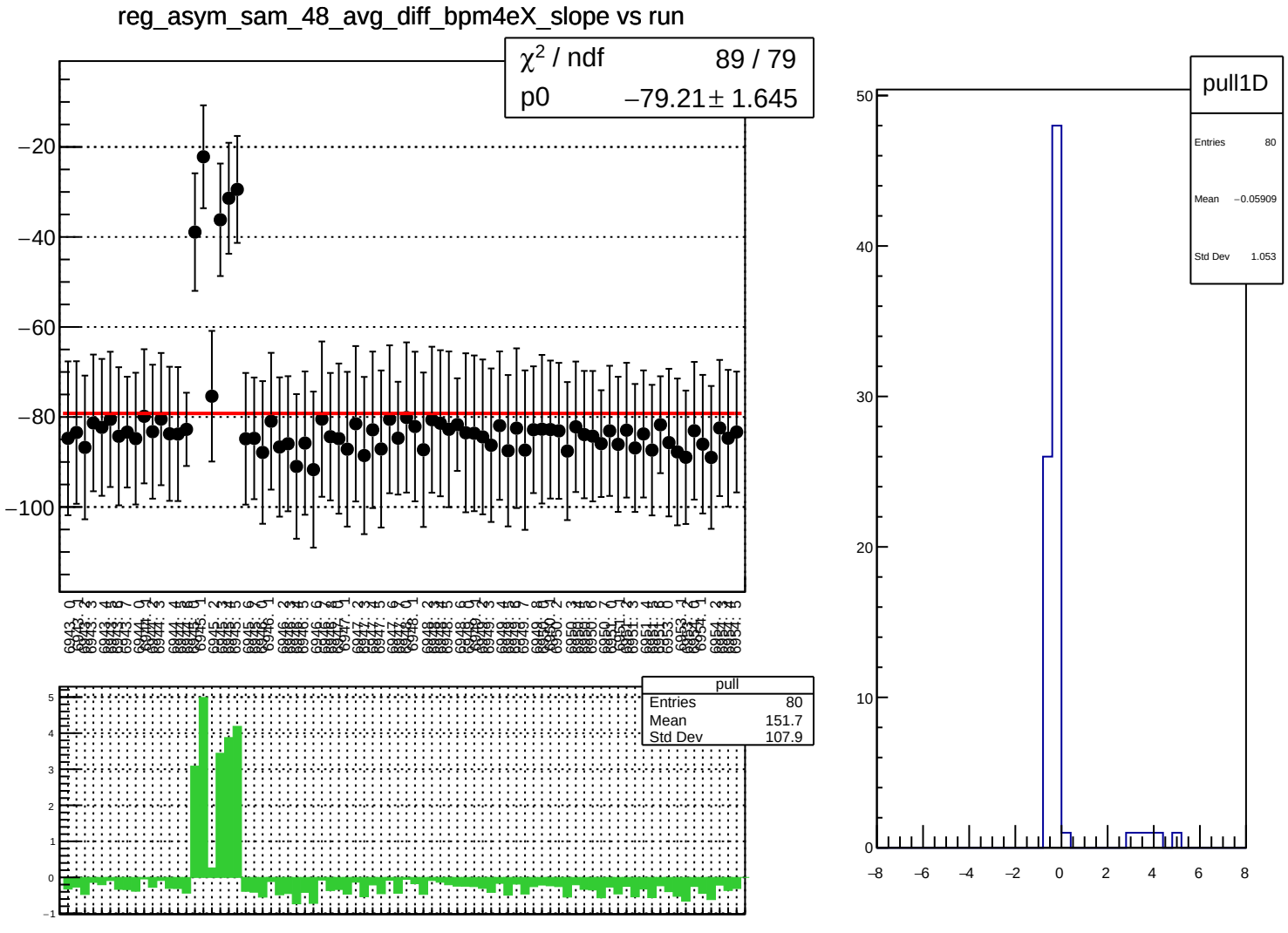

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.622 / 79
p0 1.38 ± 0.06756
pull
Entries 80
Mean 1900
Std Dev 1855
pull1D
Entries 80
Mean 0.0004927
Std Dev 0.2877

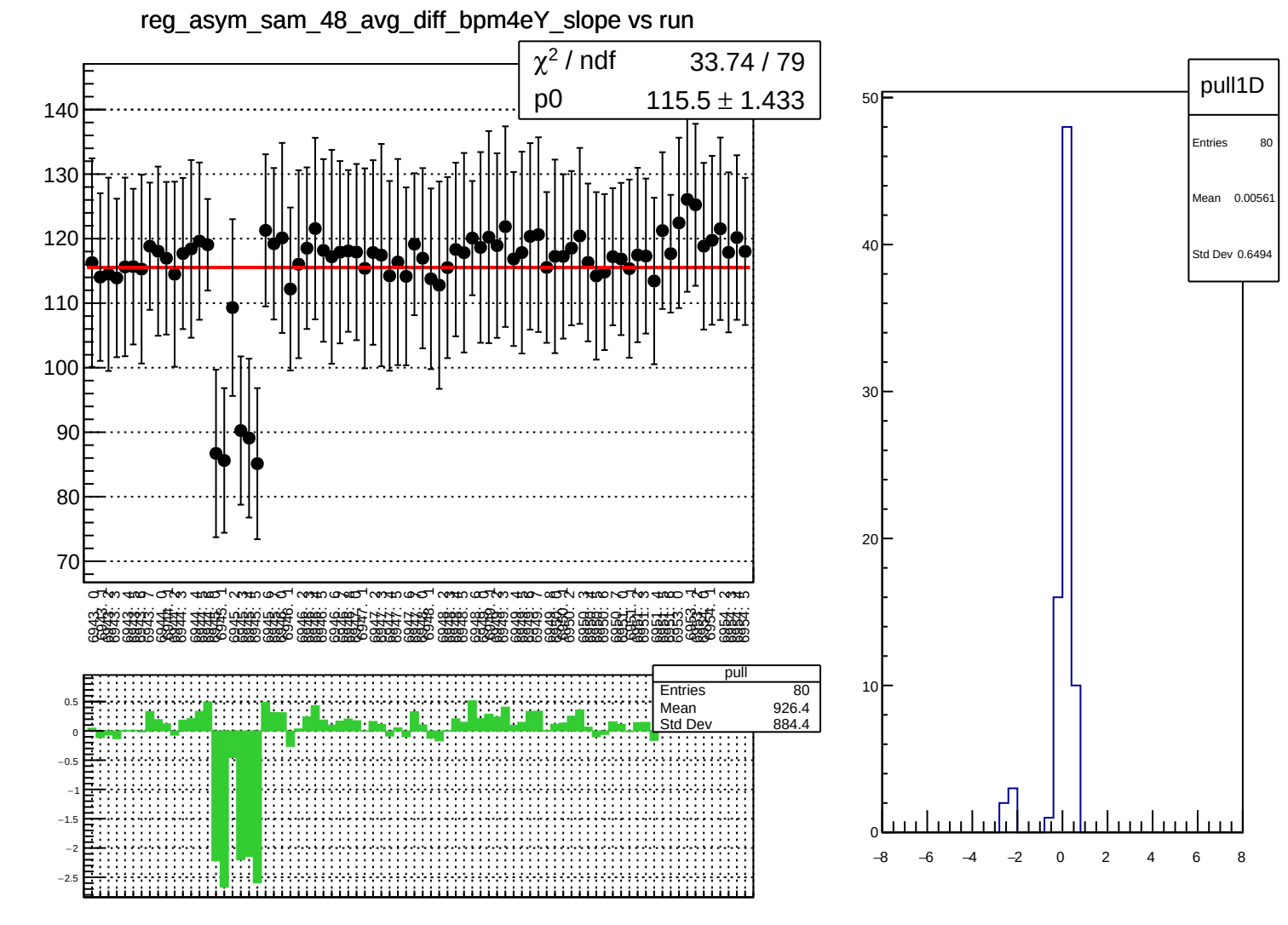

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 101.5 / 79
p0 −30.62 ± 1.762
pull
Entries 80
Mean 142.7
Std Dev 98.56

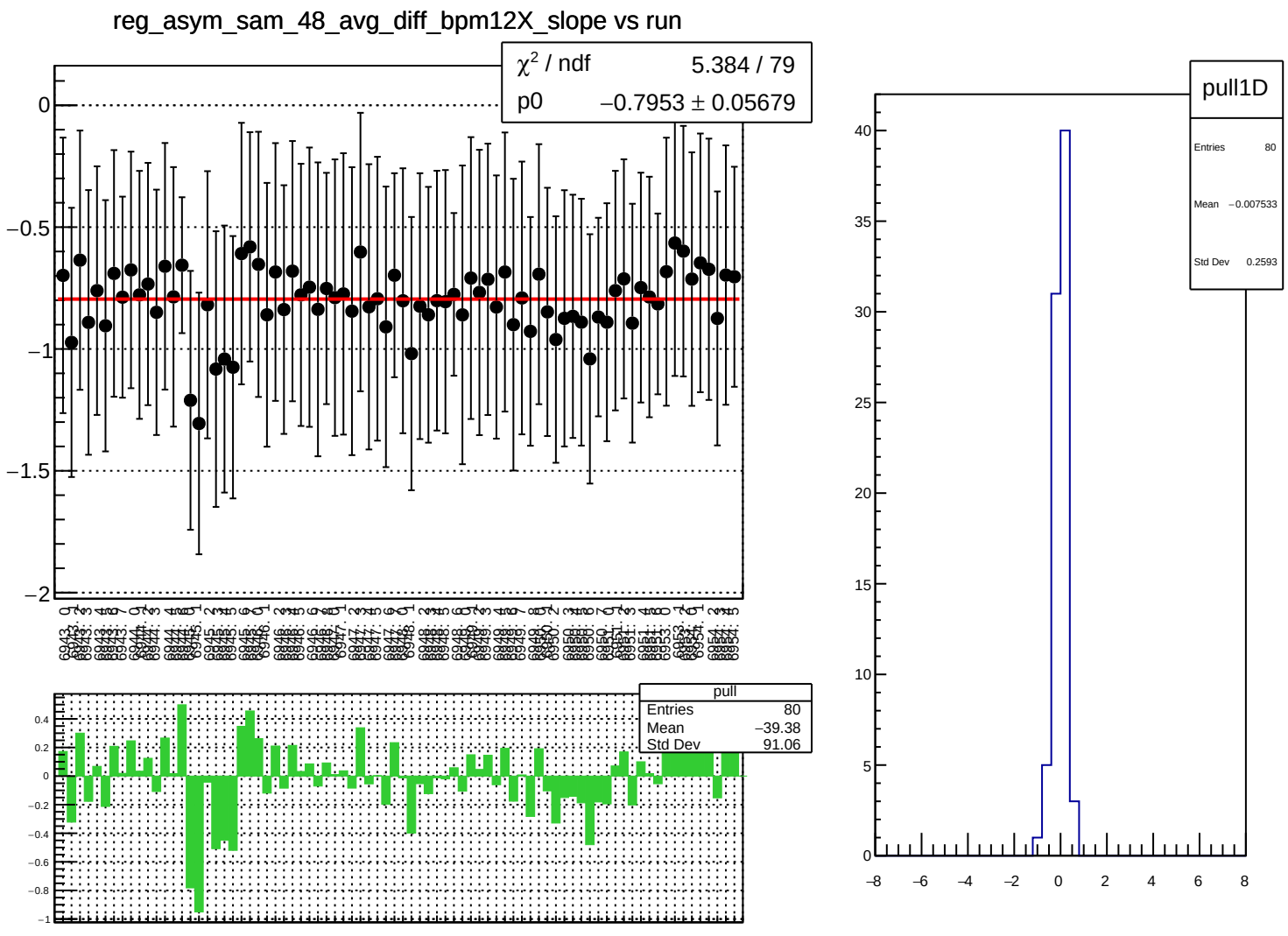

pull1D
Entries 80
Mean 0.0646
Std Dev 1.124

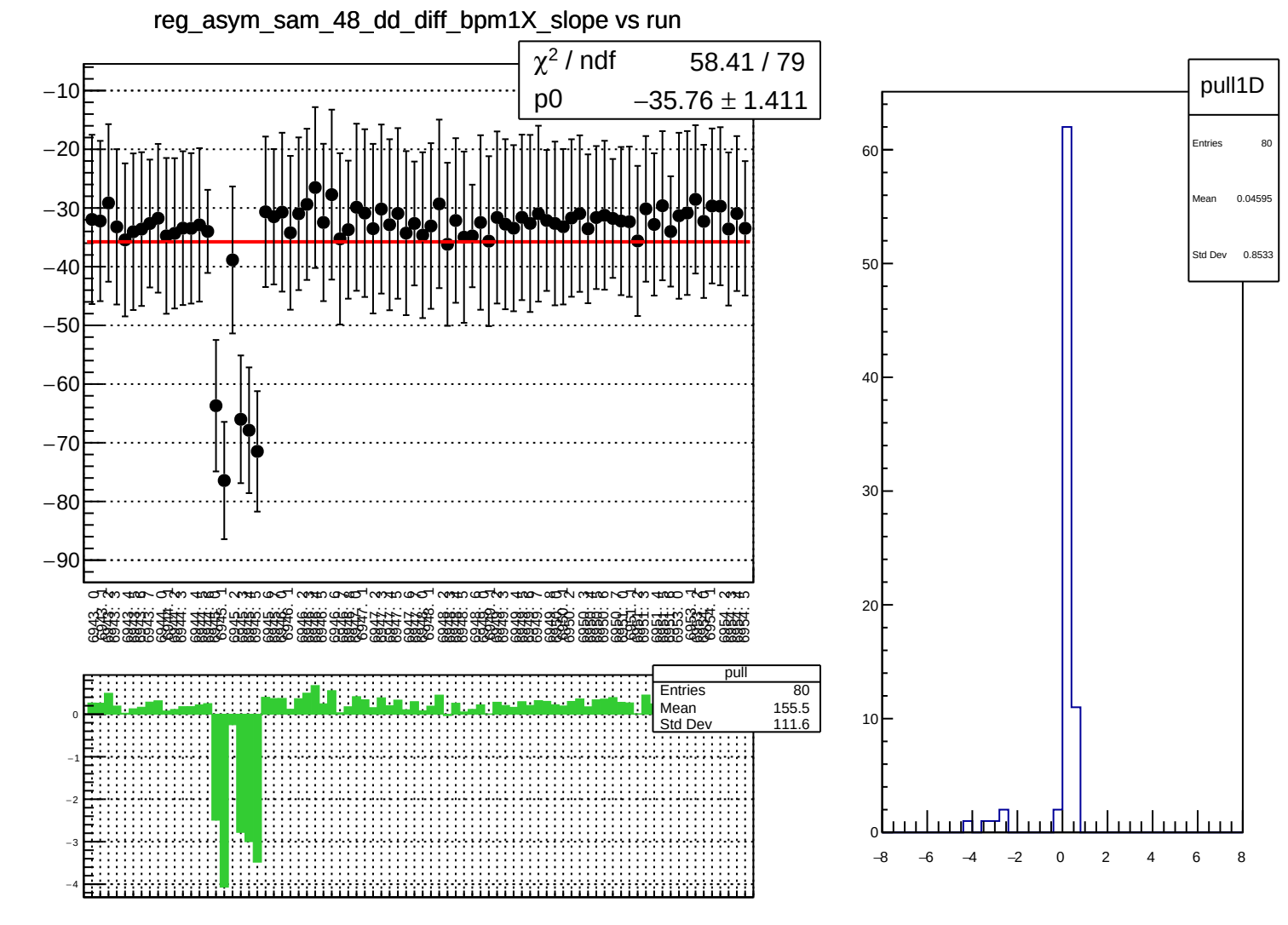

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.75 / 79
p0 −3.2 ± 1.245
pull
Entries 80
Mean −1575
Std Dev 1617

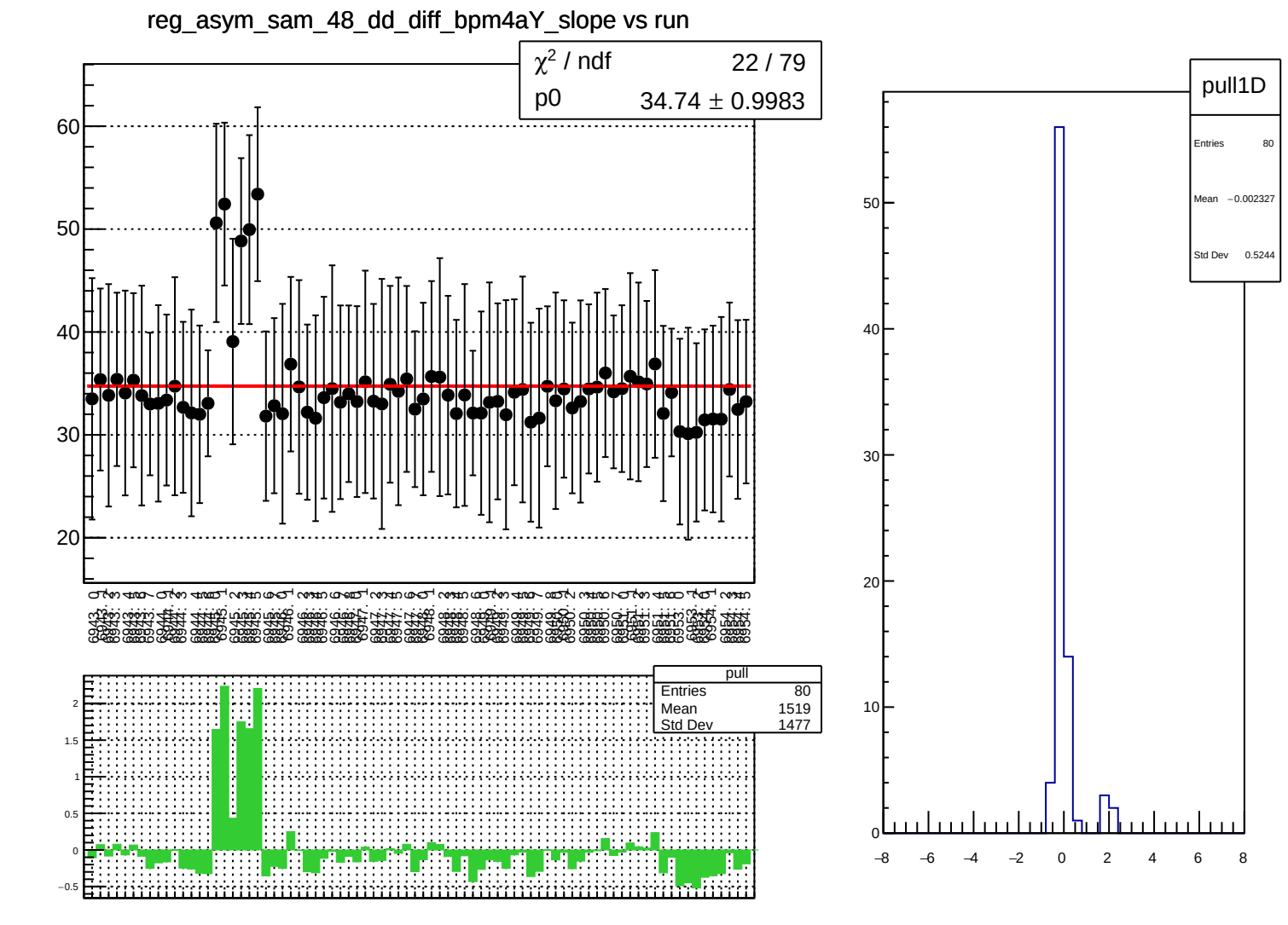

pull1D
Entries 80
Mean 0.003253
Std Dev 0.696

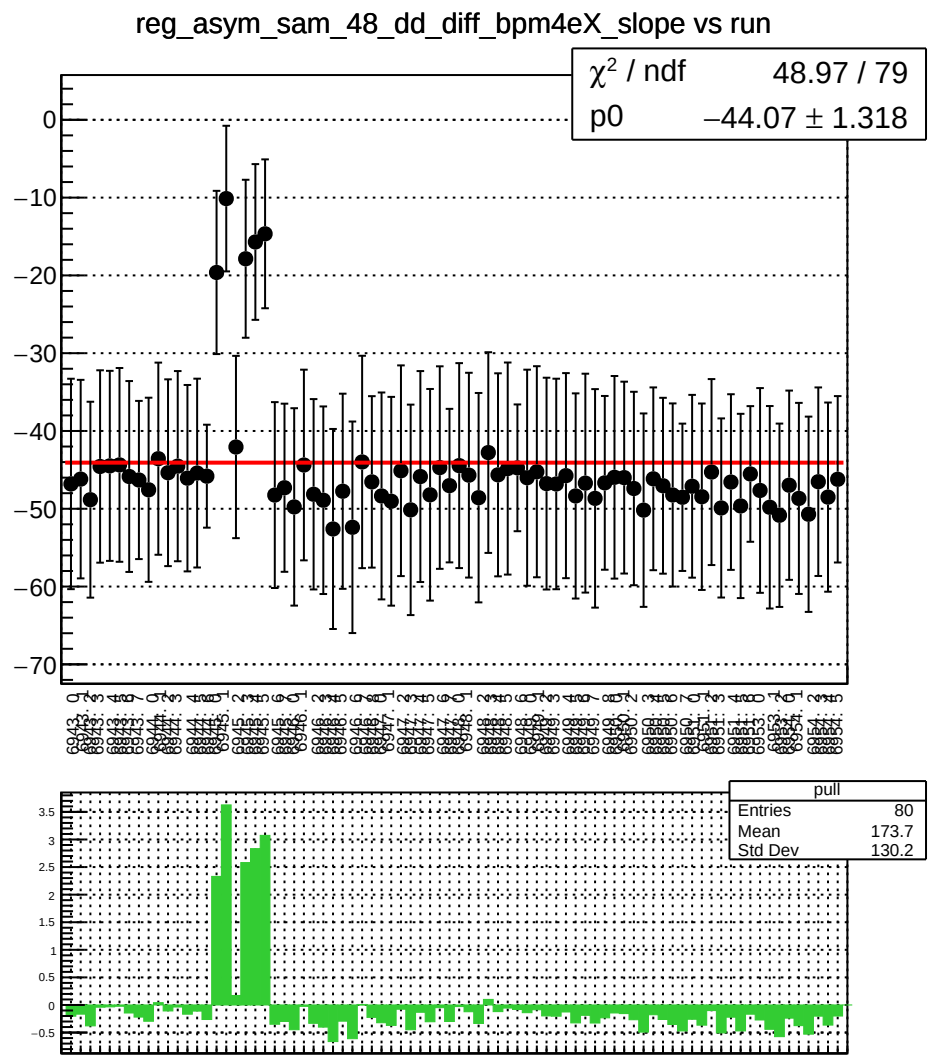

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 89 / 79
p0 −79.21 ± 1.645
−20
−40
−60
−80
−100
pull
Entries 80
Mean 151.7
Std Dev 107.9
pull1D
Entries 80
Mean −0.05909
Std Dev 1.053
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

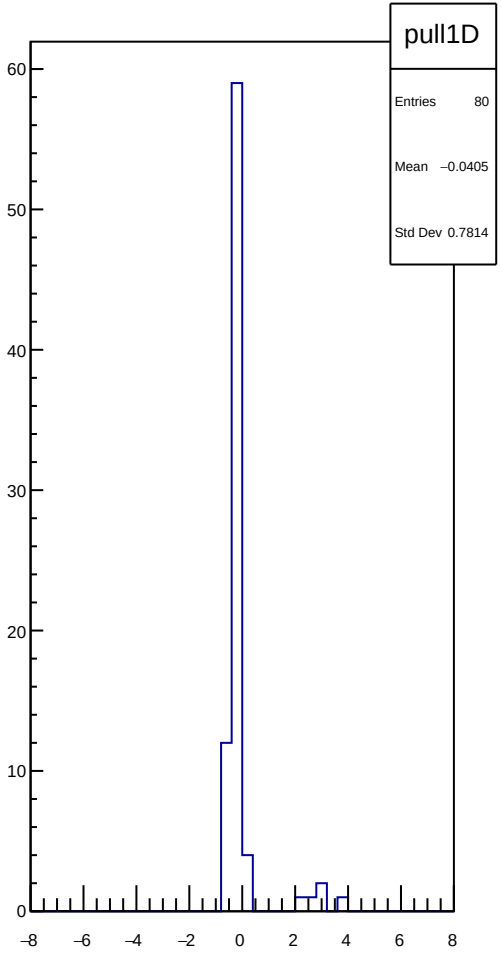

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.74 / 79
p0 115.5 ± 1.433
pull
Entries 80
Mean 926.4
Std Dev 884.4
pull1D
Entries 80
Mean 0.00561
Std Dev 0.6494

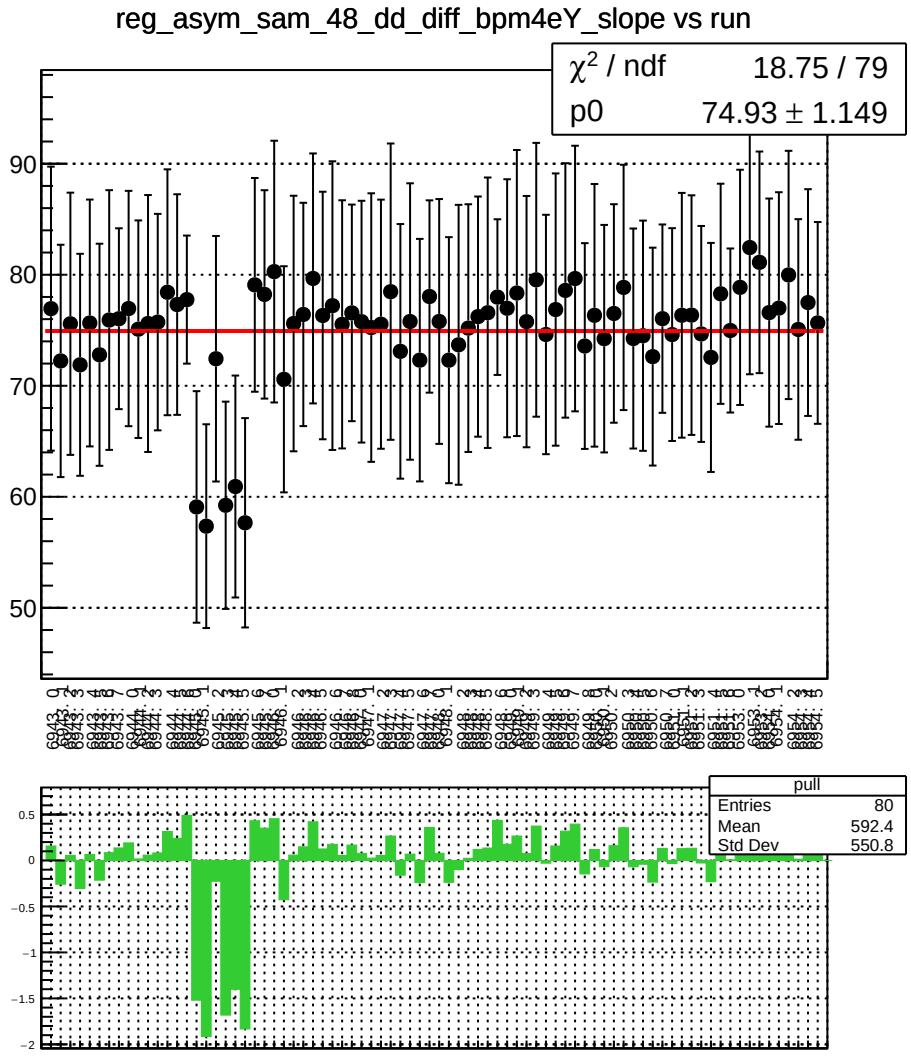

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.384 / 79
p0 −0.7953 ± 0.05679
pull
Entries 80
Mean −39.38
Std Dev 91.06
pull1D
Entries 80
Mean −0.007533
Std Dev 0.2593

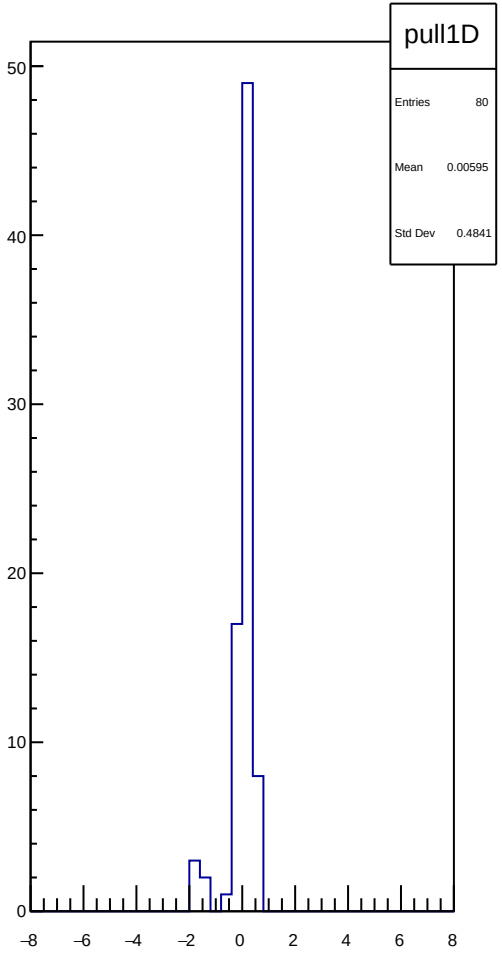

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 58.41 / 79
p0 −35.76 ± 1.411
pull
Entries 80
Mean 155.5
Std Dev 111.6
pull1D
Entries 80
Mean 0.04595
Std Dev 0.8533

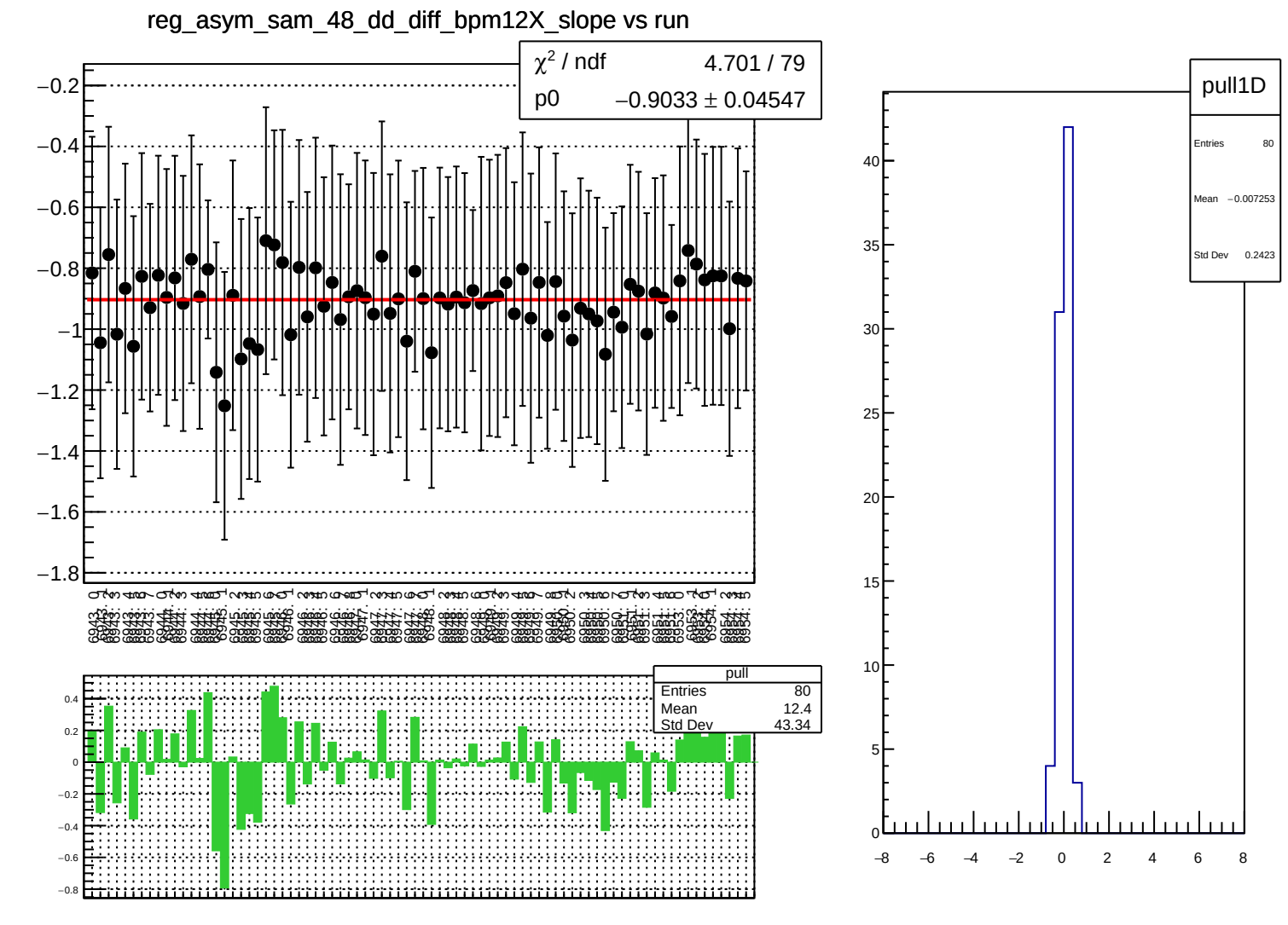

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 22 / 79
p0 34.74 ± 0.9983
pull
Entries 80
Mean 1519
Std Dev 1477
pull1D
Entries 80
Mean −0.002327
Std Dev 0.5244

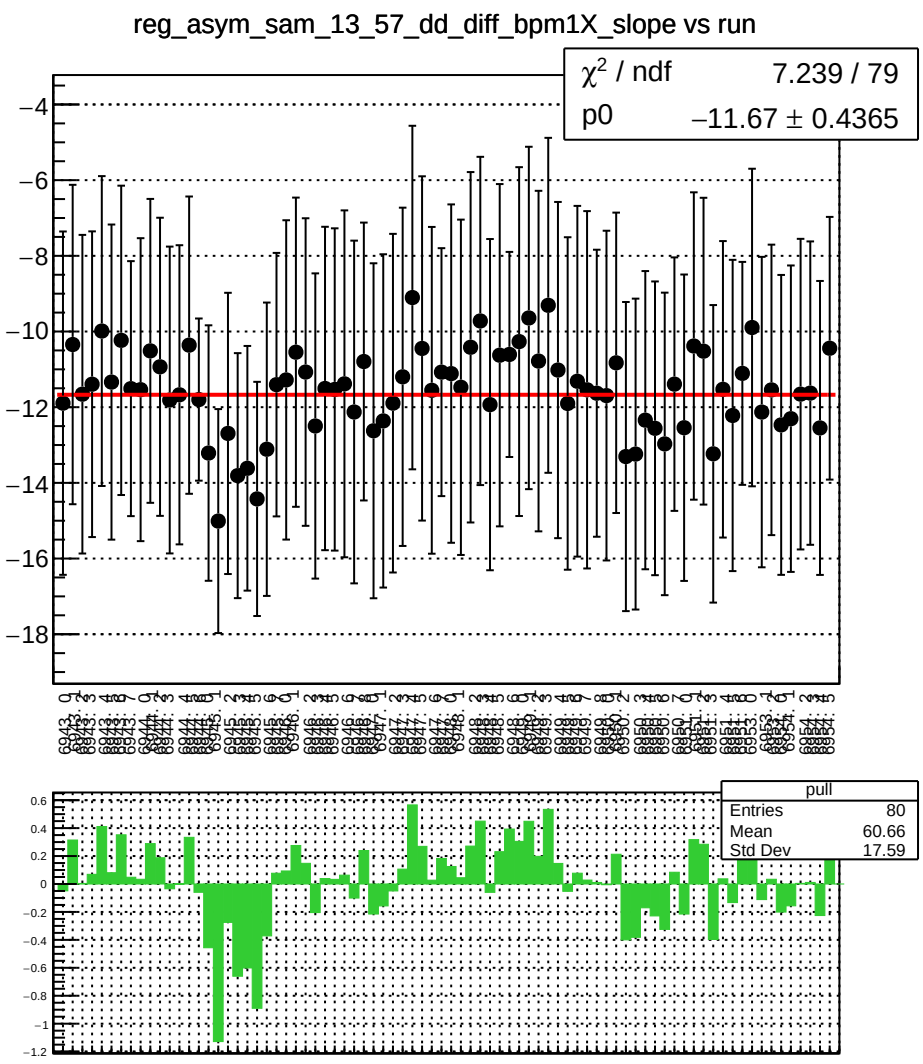

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.97 / 79
p0 −44.07 ± 1.318
pull
Entries 80
Mean 173.7
Std Dev 130.2

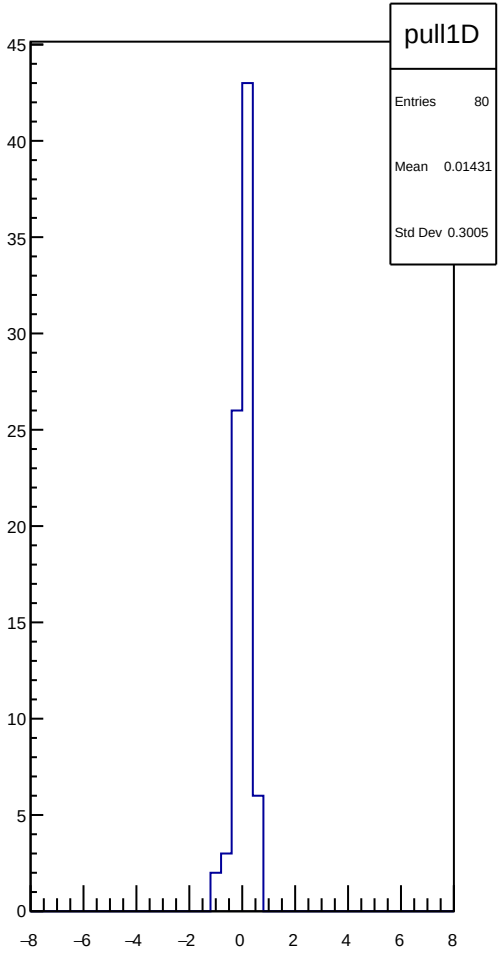

pull1D
Entries 80
Mean −0.0405
Std Dev 0.7814

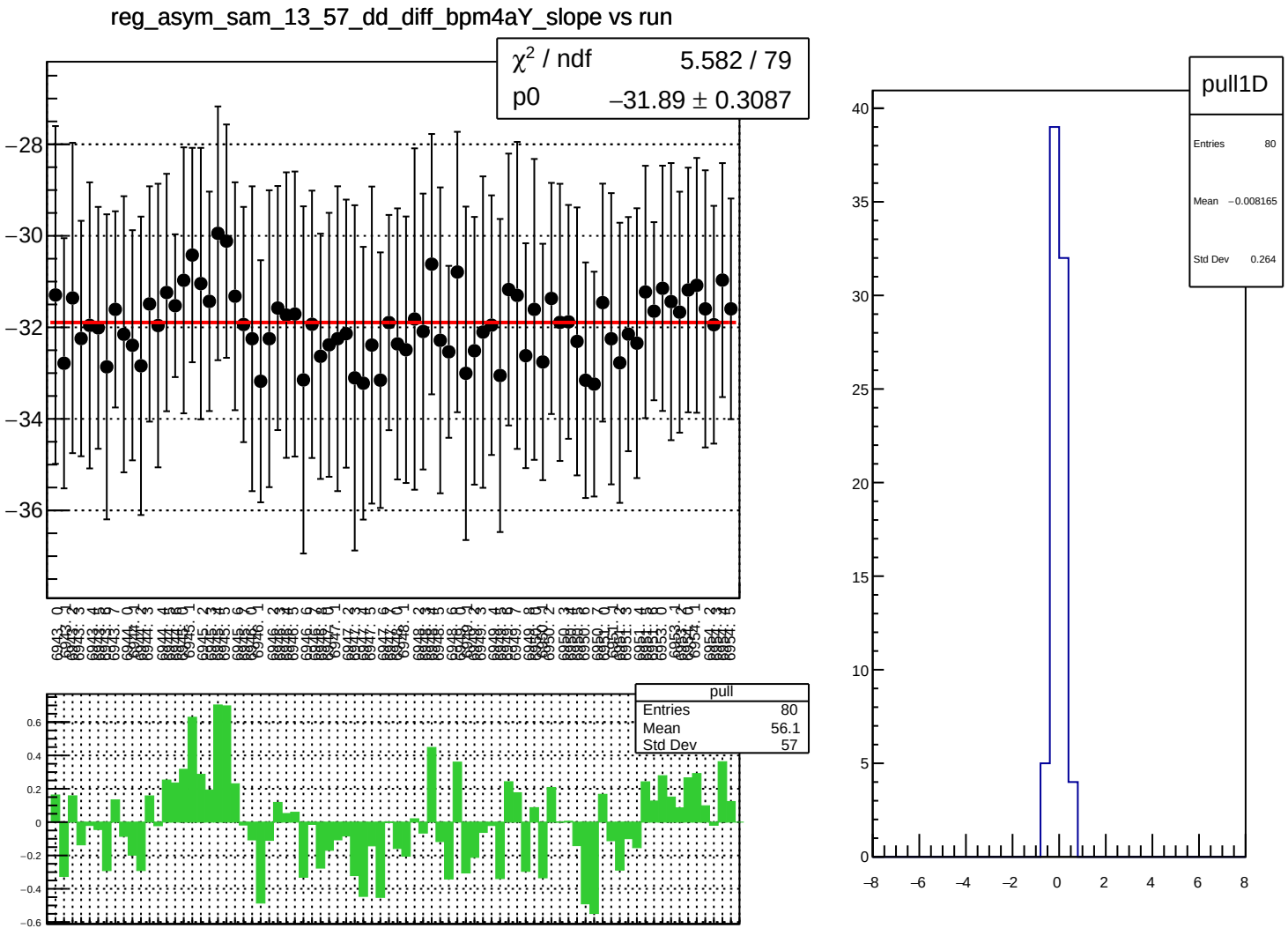

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.75 / 79
p0 74.93 ± 1.149
pull
Entries 80
Mean 592.4
Std Dev 550.8

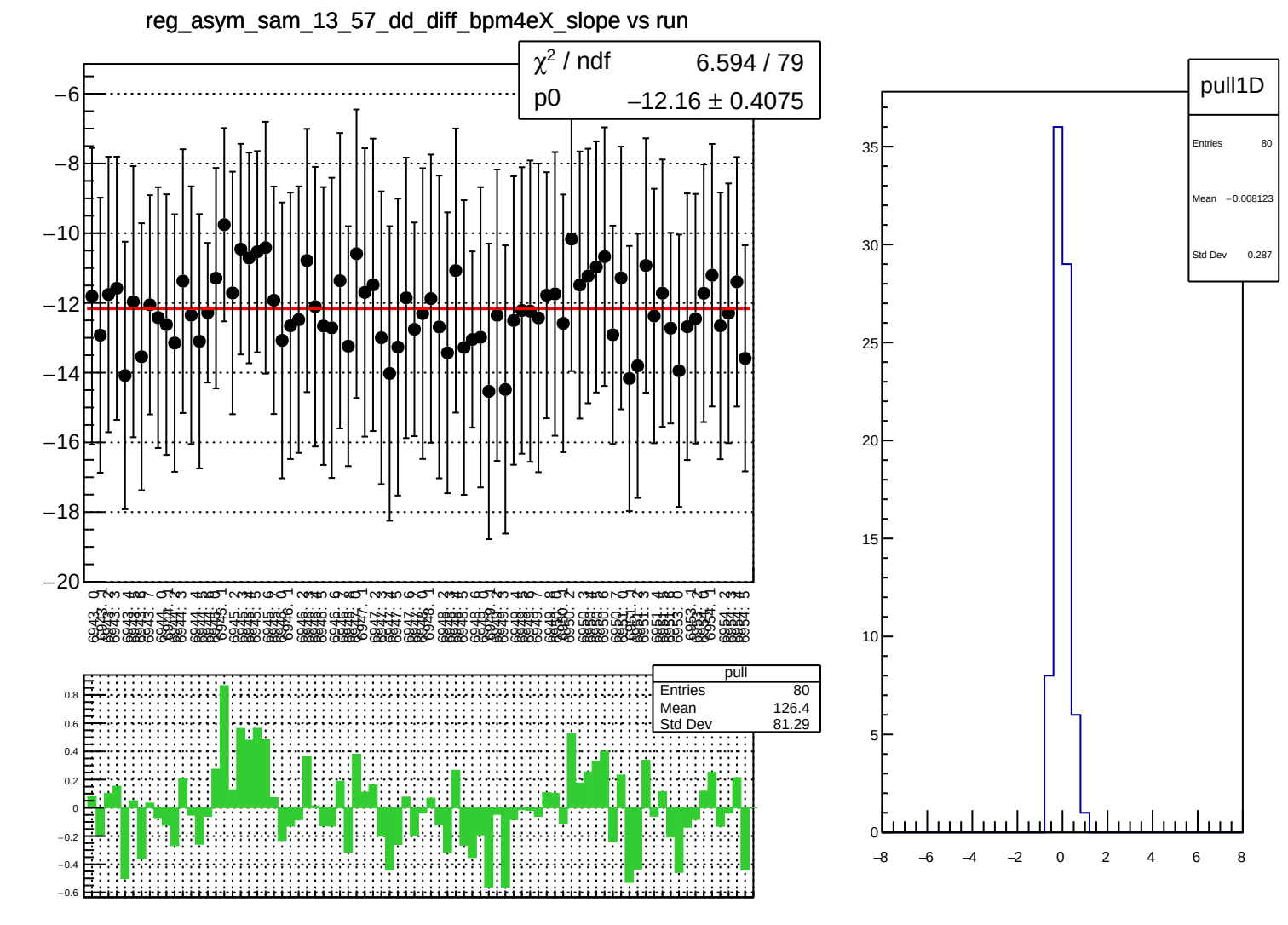

pull1D
Entries 80
Mean 0.00595
Std Dev 0.4841

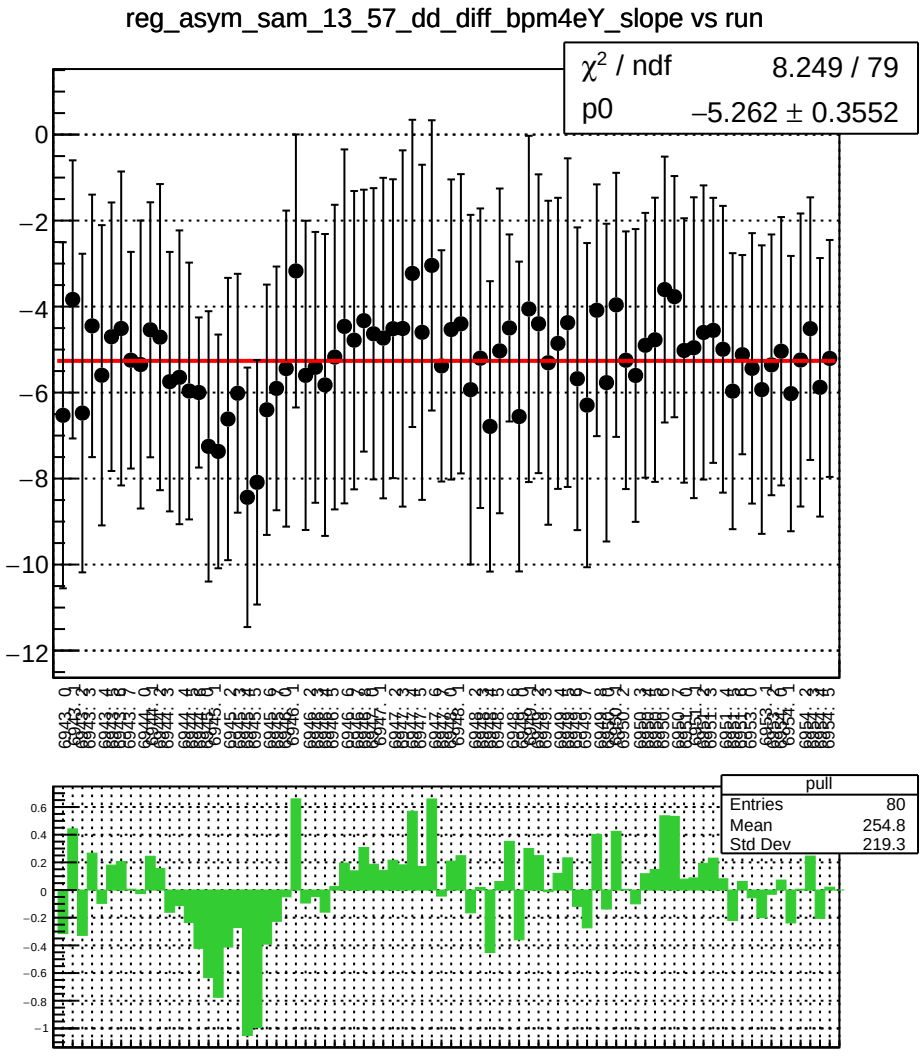

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.701 / 79
p0 −0.9033 ± 0.04547
pull
Entries 80
Mean 12.4
Std Dev 43.34
pull1D
Entries 80
Mean −0.007253
Std Dev 0.2423

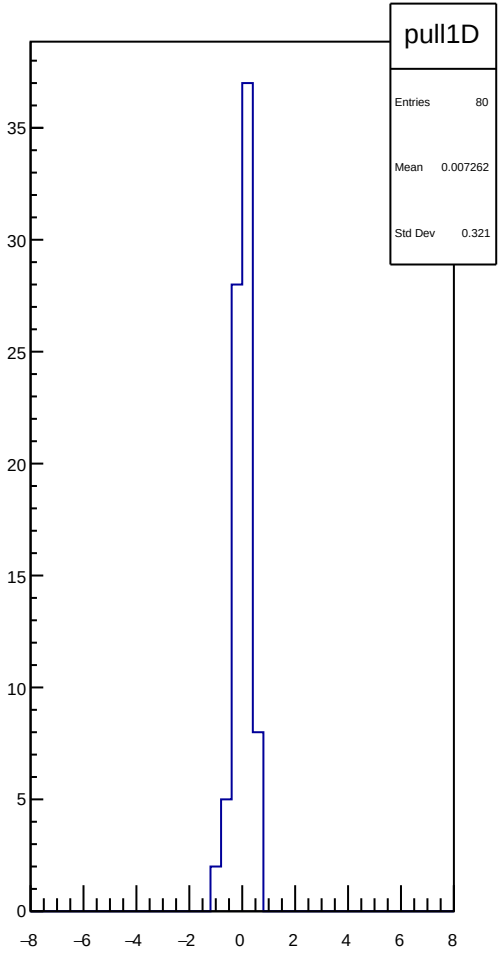

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 7.239 / 79
p0 −11.67 ± 0.4365
pull
Entries 80
Mean 60.66
Std Dev 17.59

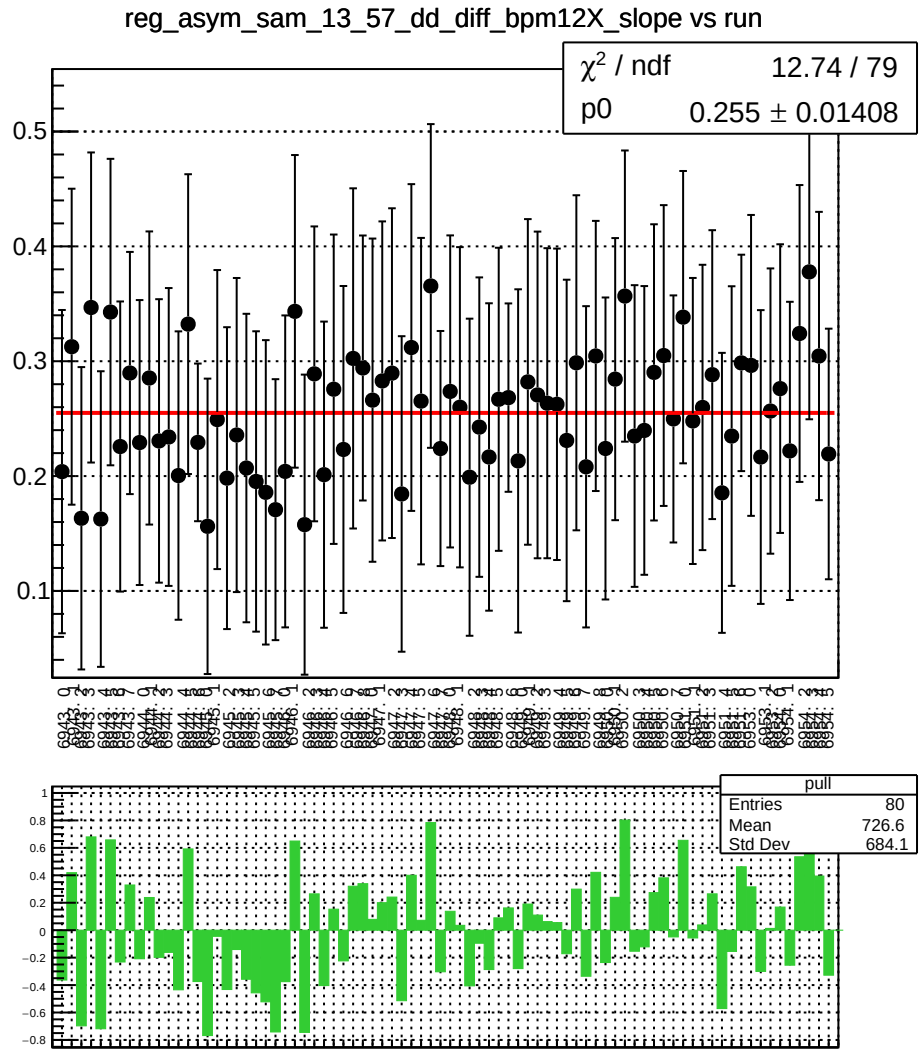

pull1D
Entries 80
Mean 0.01431
Std Dev 0.3005

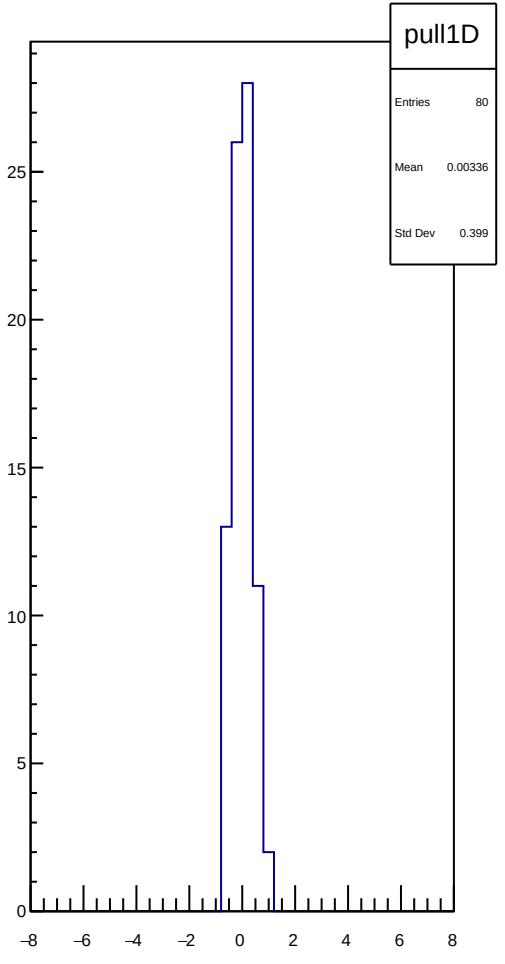

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.582 / 79
p0 −31.89 ± 0.3087
pull
Entries 80
Mean 56.1
Std Dev 57
pull1D
Entries 80
Mean −0.008165
Std Dev 0.264

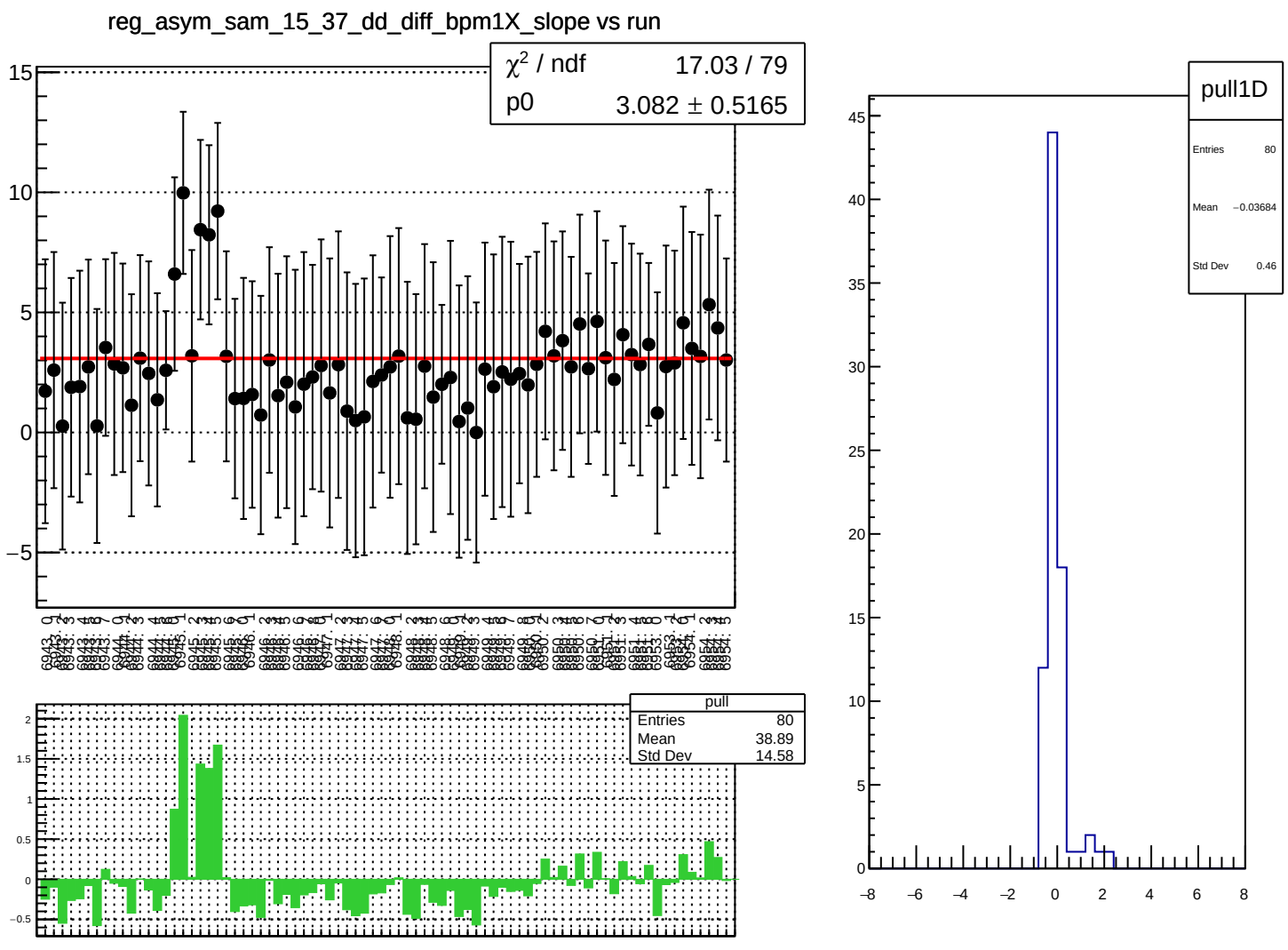

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.594 / 79
p0 −12.16 ± 0.4075
pull
Entries 80
Mean 126.4
Std Dev 81.29
pull1D
Entries 80
Mean −0.008123
Std Dev 0.287

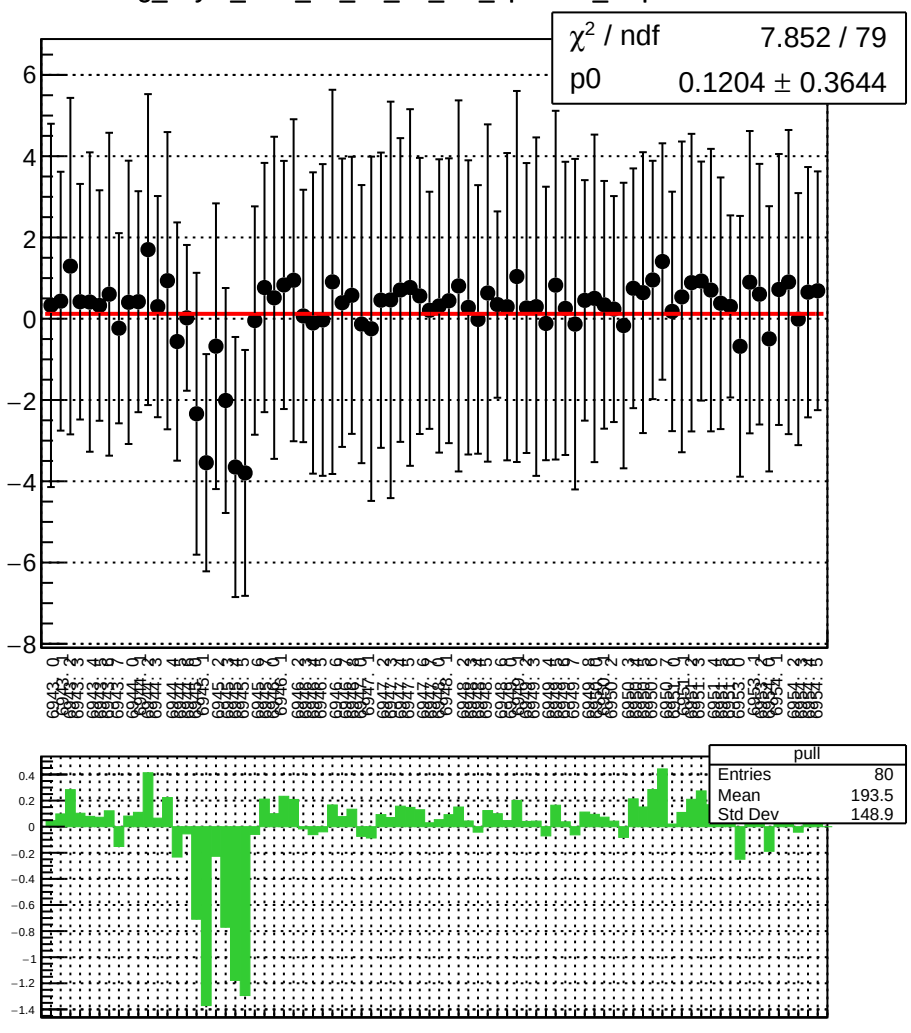

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.249 / 79
p0 −5.262 ± 0.3552
pull
Entries 80
Mean 254.8
Std Dev 219.3

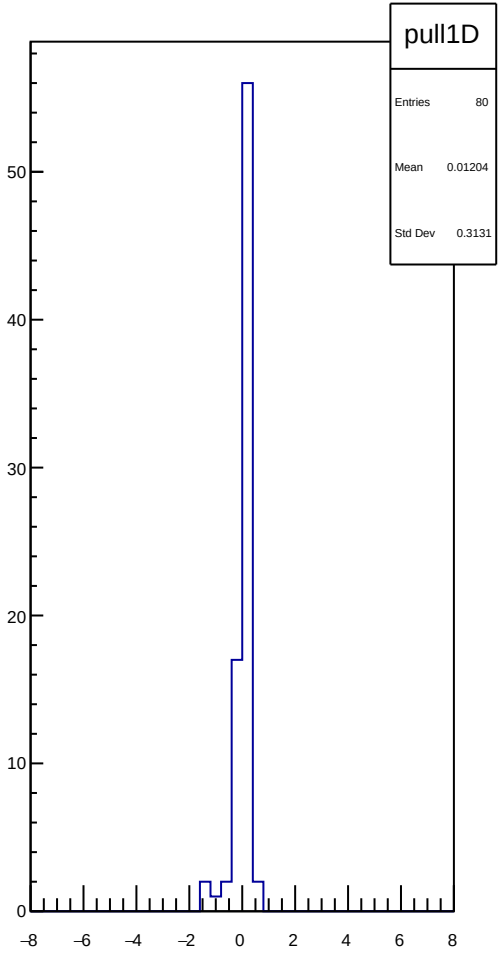

pull1D
Entries 80
Mean 0.007262
Std Dev 0.321

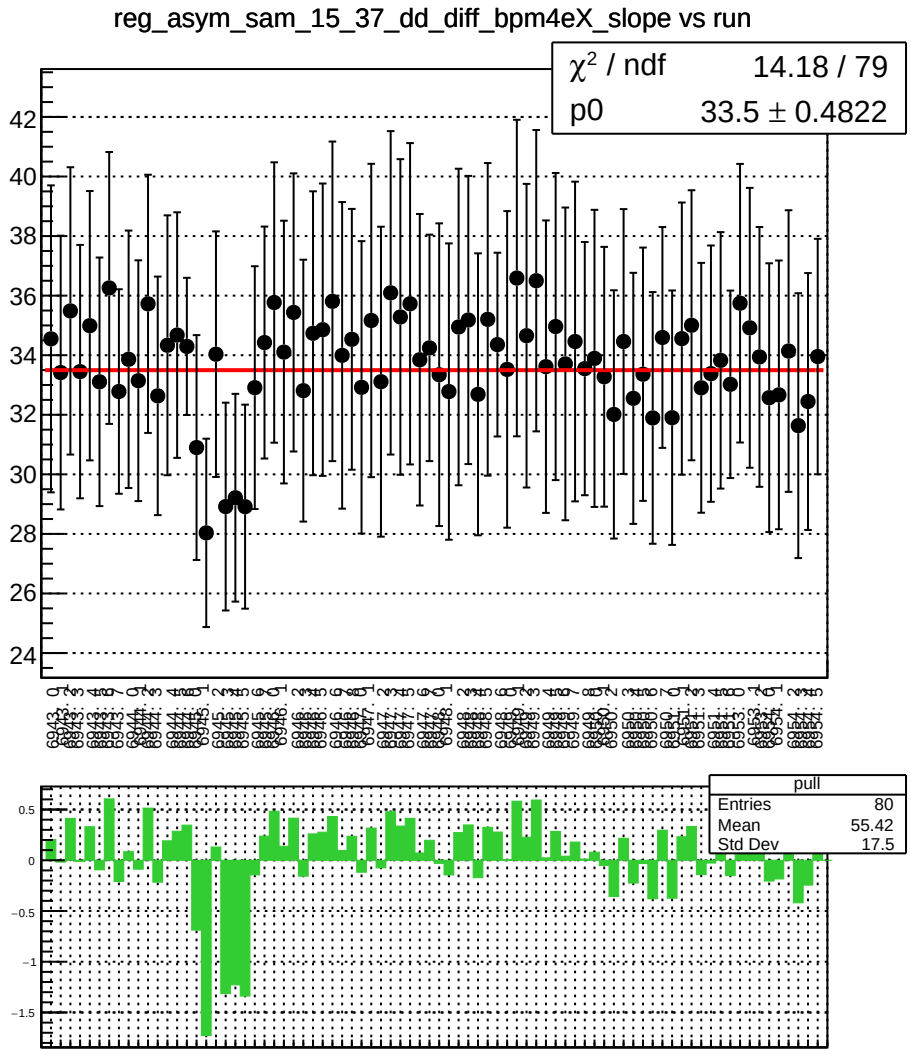

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 12.74 / 79
p0 0.255 ± 0.01408
pull
Entries 80
Mean 726.6
Std Dev 684.1

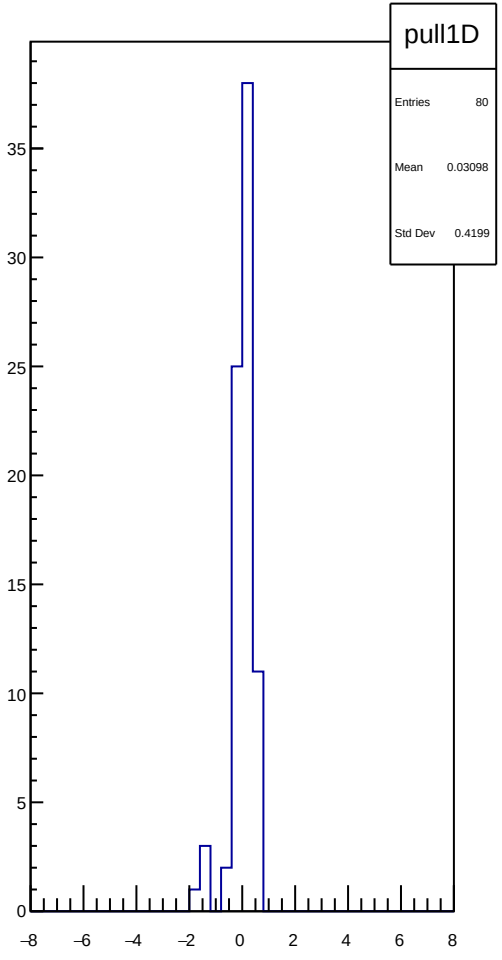

pull1D
Entries 80
Mean 0.00336
Std Dev 0.399

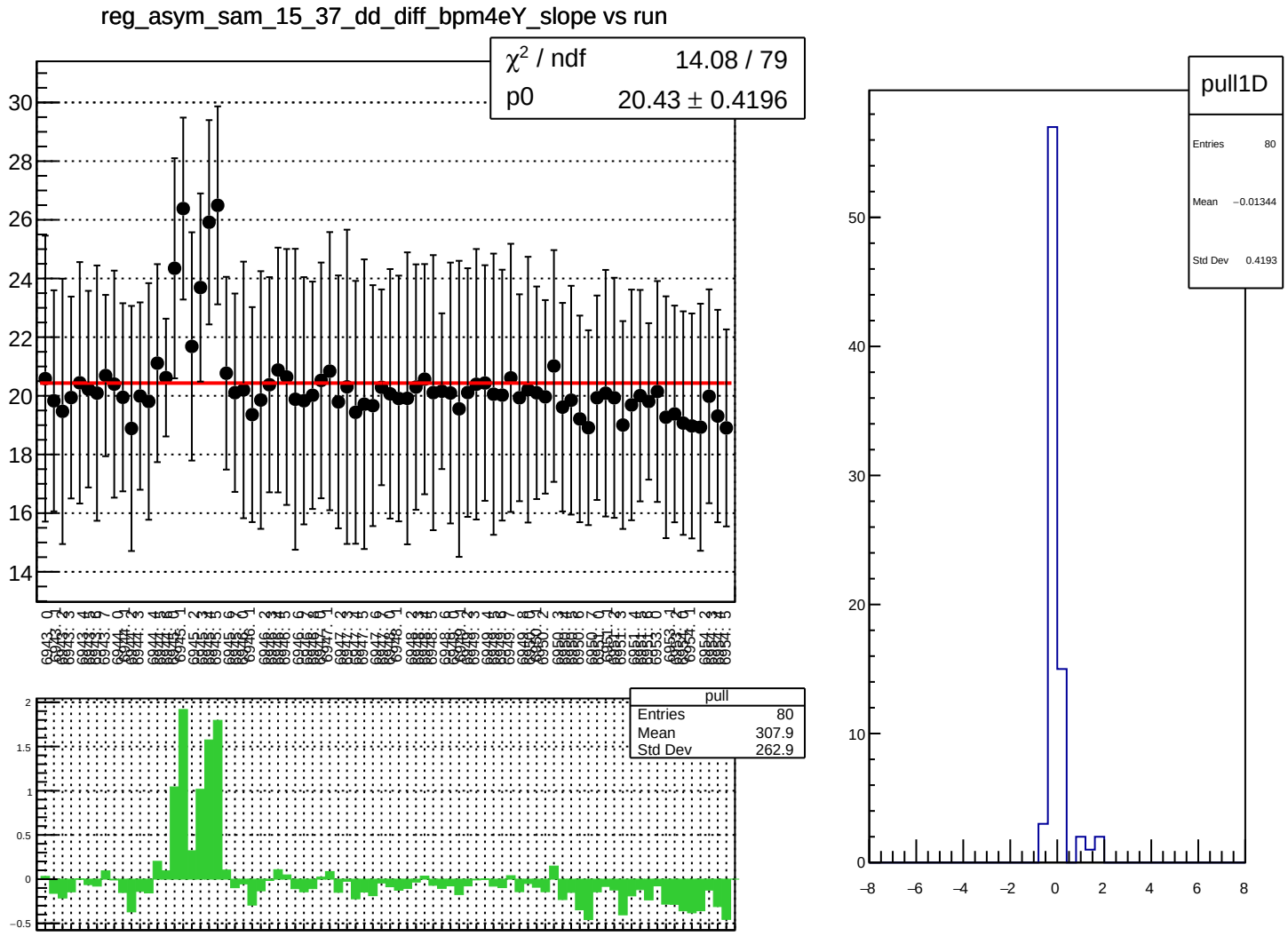

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 17.03 / 79
p0 3.082 ± 0.5165
pull
Entries 80
Mean 38.89
Std Dev 14.58
pull1D
Entries 80
Mean −0.03684
Std Dev 0.46

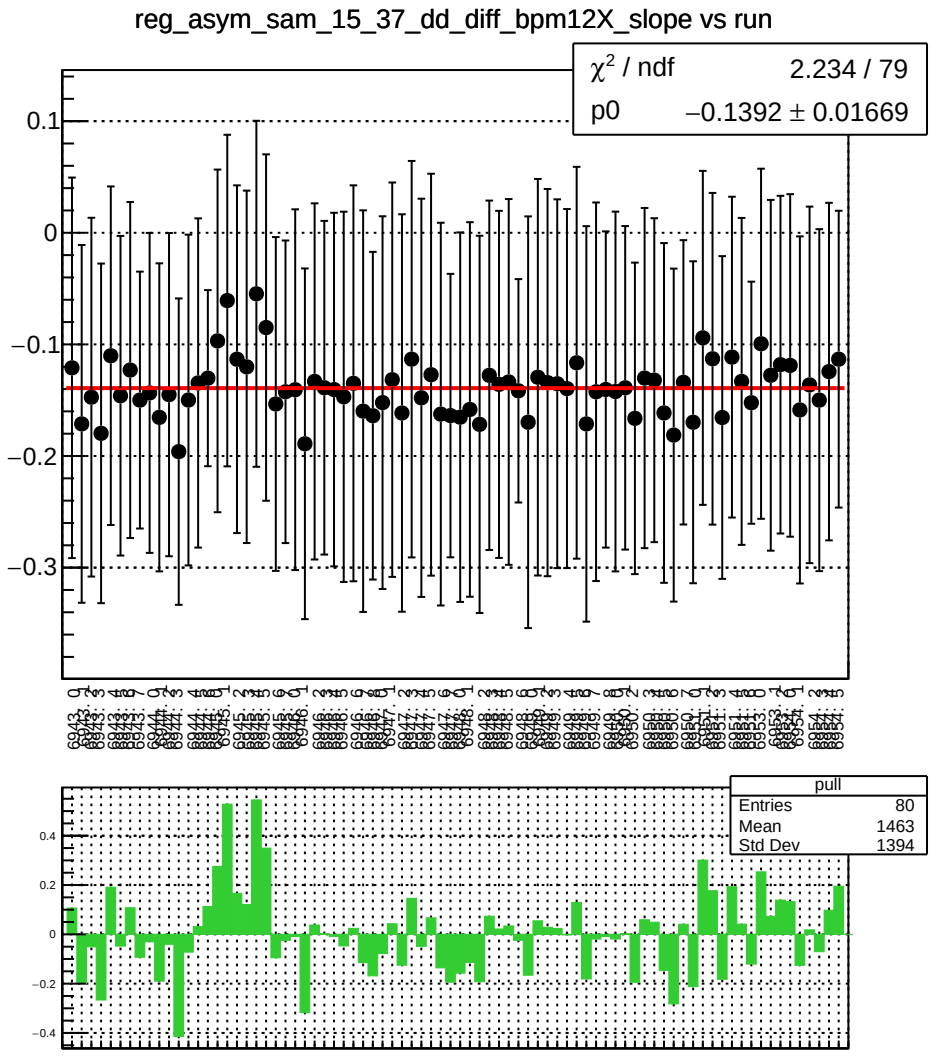

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.852 / 79
p0 0.1204 ± 0.3644
pull
Entries 80
Mean 193.5
Std Dev 148.9

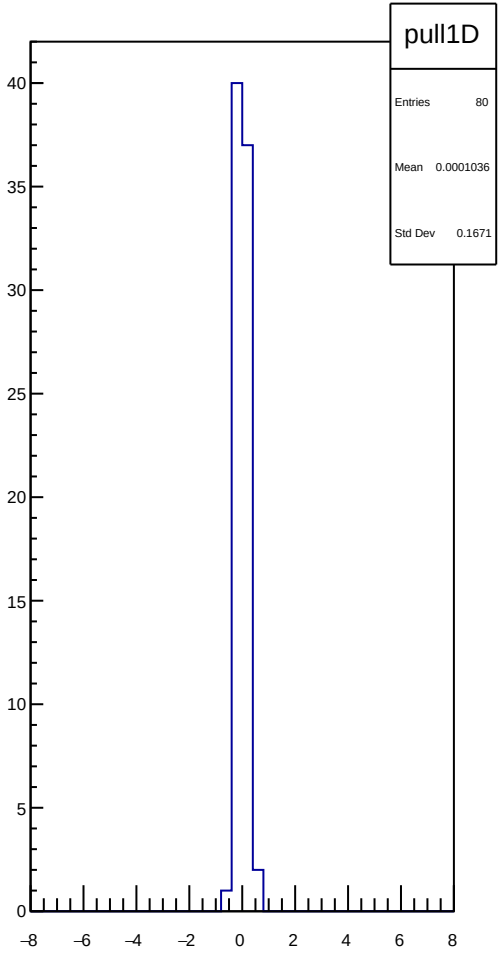

pull1D
Entries 80
Mean 0.01204
Std Dev 0.3131

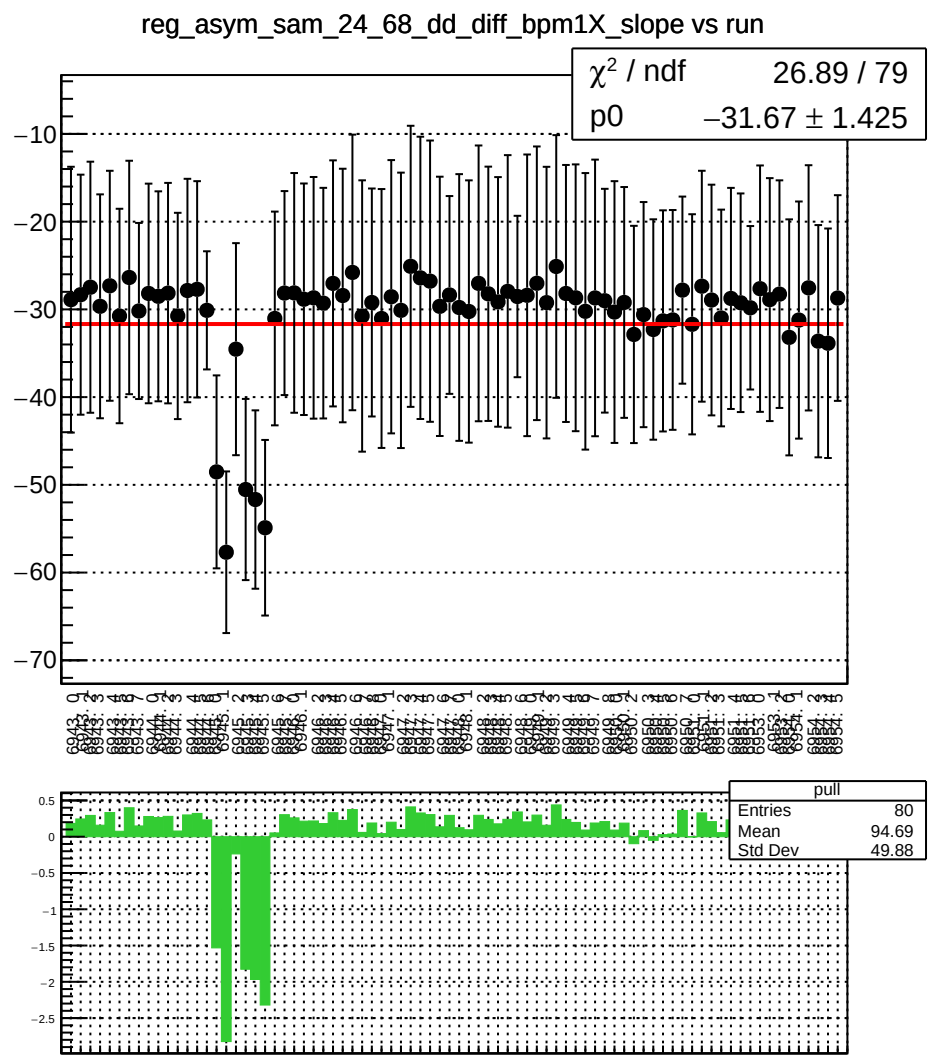

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.18 / 79
p0 33.5 ± 0.4822
pull
Entries 80
Mean 55.42
Std Dev 17.5

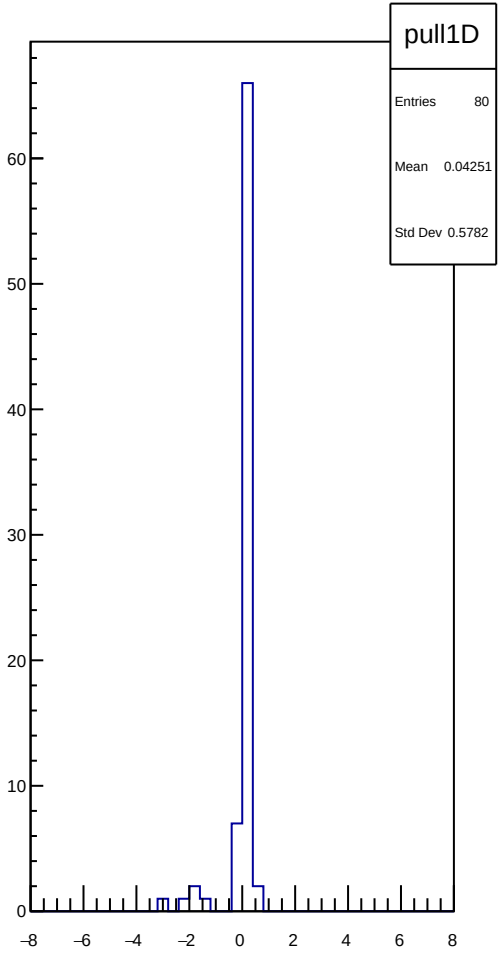

pull1D
Entries 80
Mean 0.03098
Std Dev 0.4199

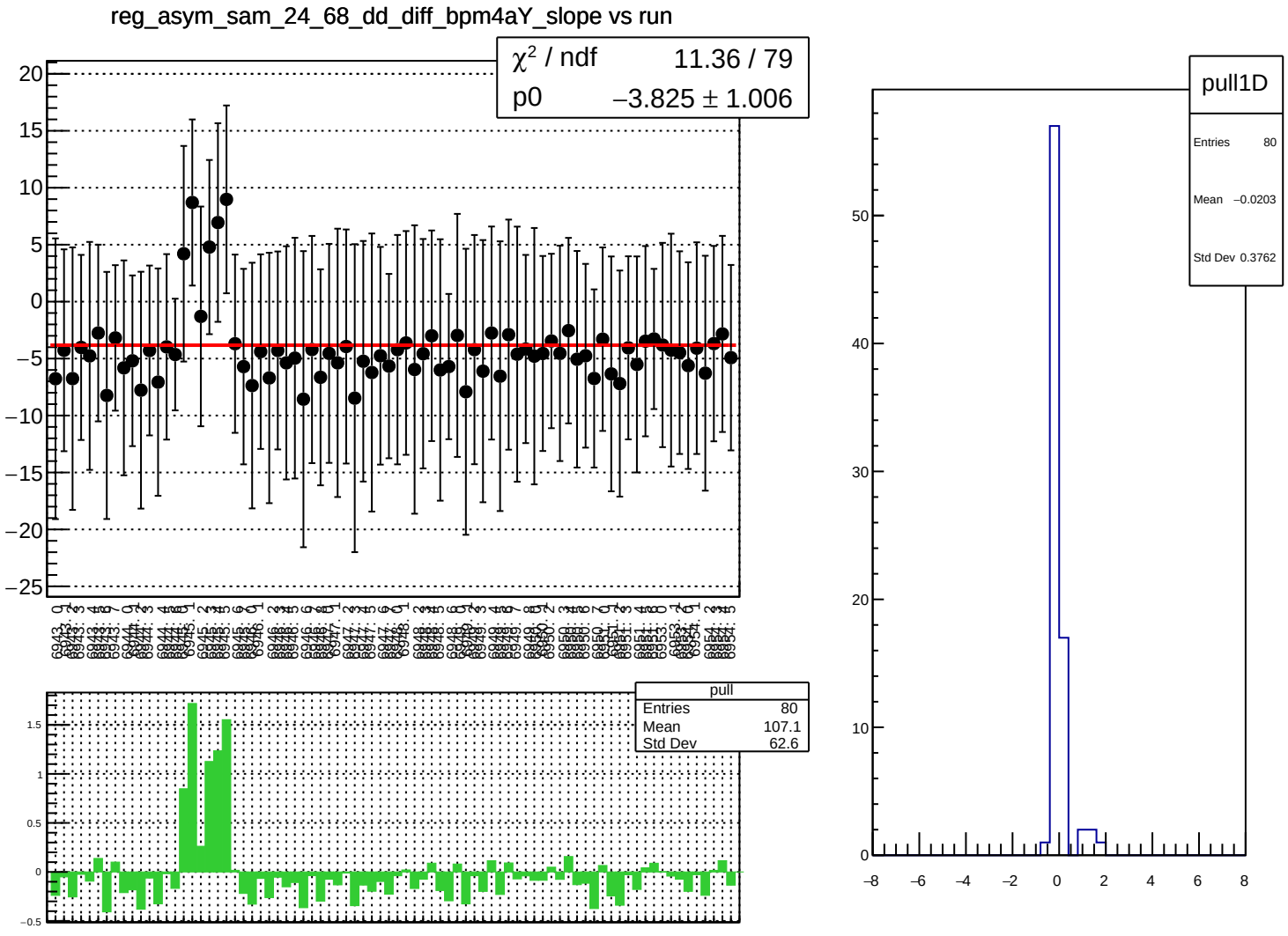

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.08 / 79
p0 20.43 ± 0.4196
pull
Entries 80
Mean 307.9
Std Dev 262.9
pull1D
Entries 80
Mean −0.01344
Std Dev 0.4193

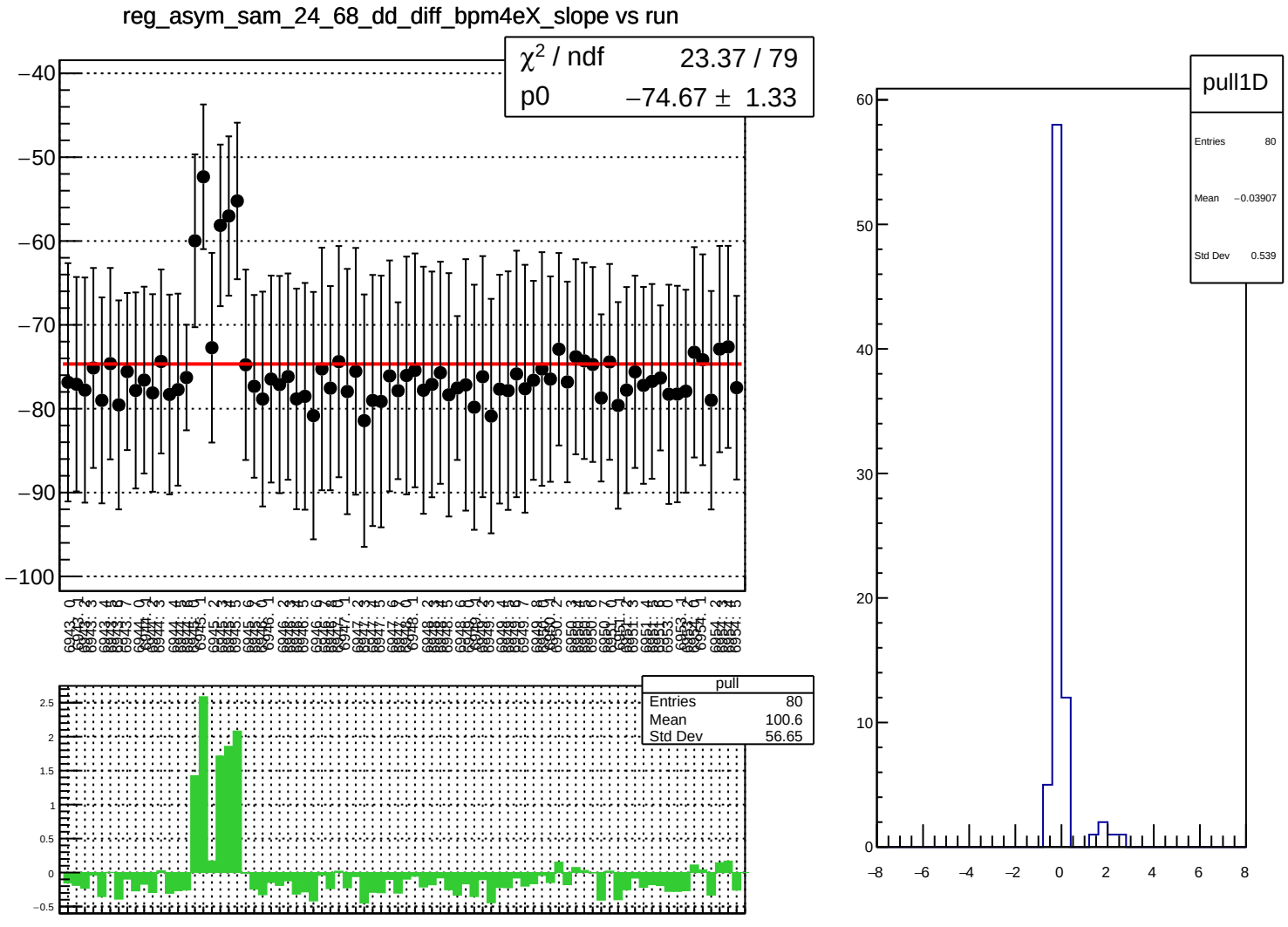

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.234 / 79
p0 −0.1392 ± 0.01669
pull
Entries 80
Mean 1463
Std Dev 1394

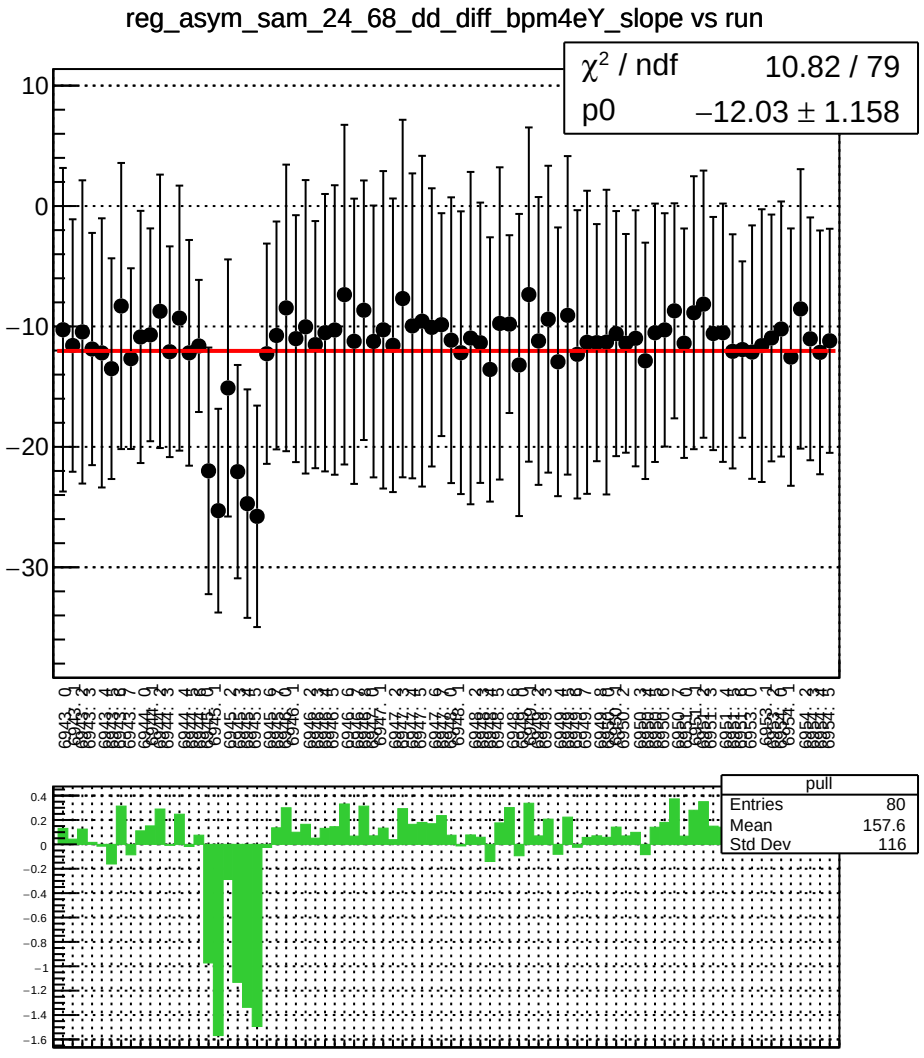

pull1D
Entries 80
Mean 0.0001036
Std Dev 0.1671

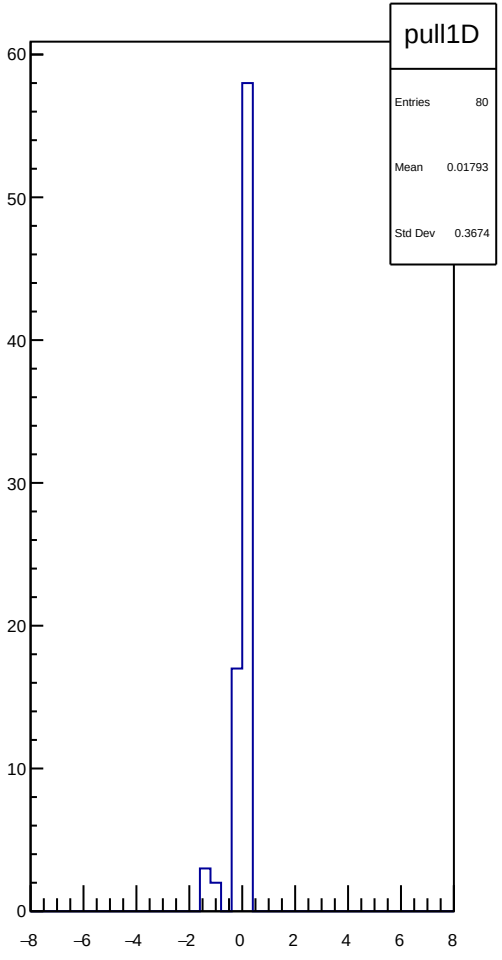

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 26.89 / 79
p0 −31.67 ± 1.425
pull
Entries 80
Mean 94.69
Std Dev 49.88

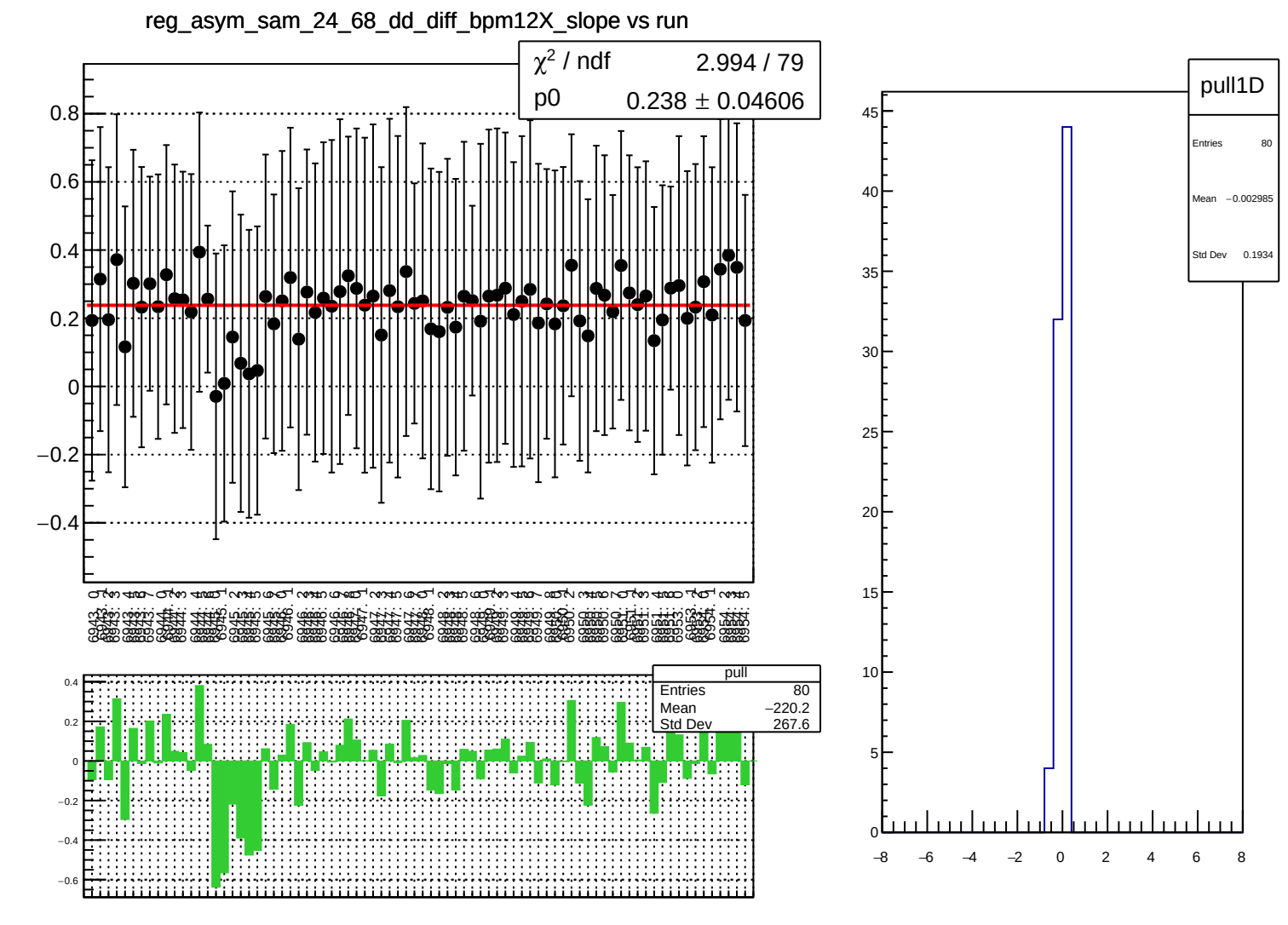

pull1D
Entries 80
Mean 0.04251
Std Dev 0.5782

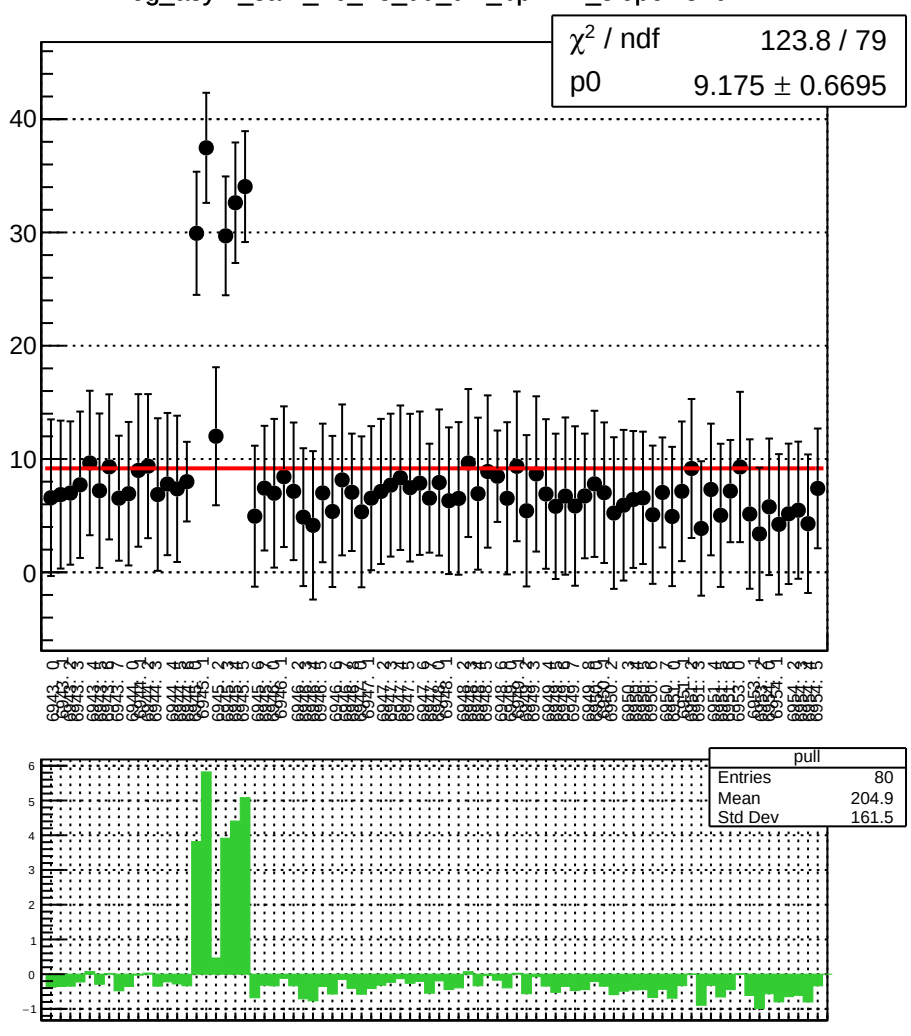

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.36 / 79
p0 −3.825 ± 1.006
pull
Entries 80
Mean 107.1
Std Dev 62.6
pull1D
Entries 80
Mean −0.0203
Std Dev 0.3762

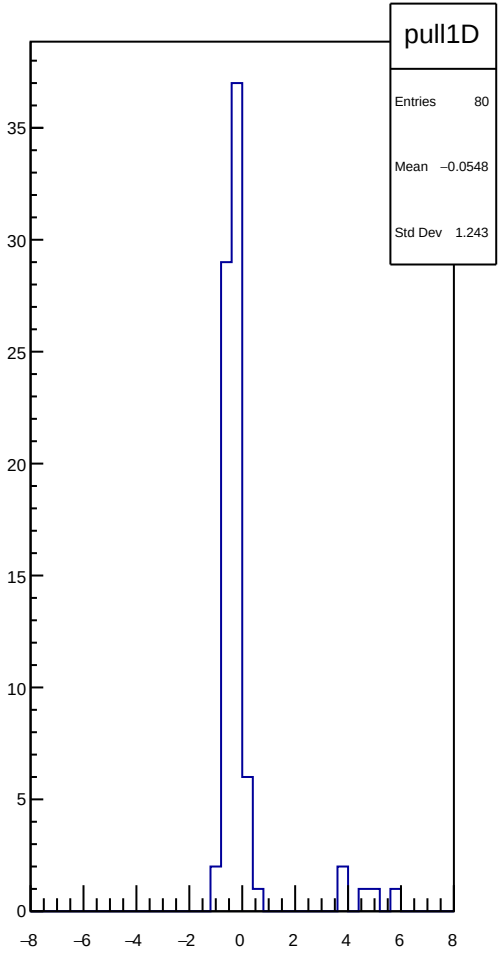

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.37 / 79
p0 −74.67 ± 1.33
pull
Entries 80
Mean 100.6
Std Dev 56.65
pull1D
Entries 80
Mean −0.03907
Std Dev 0.539

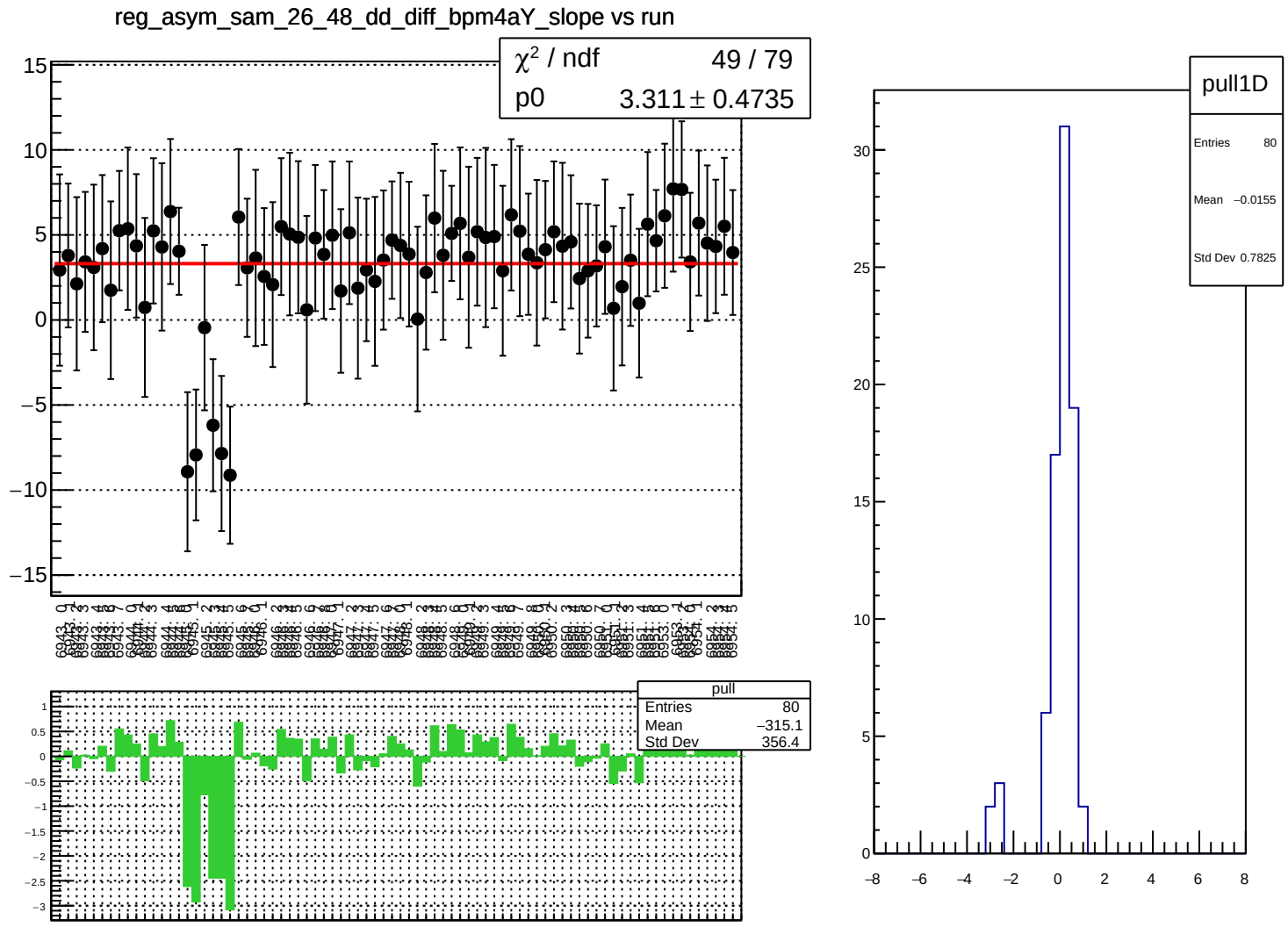

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.82 / 79
p0 −12.03 ± 1.158
pull
Entries 80
Mean 157.6
Std Dev 116

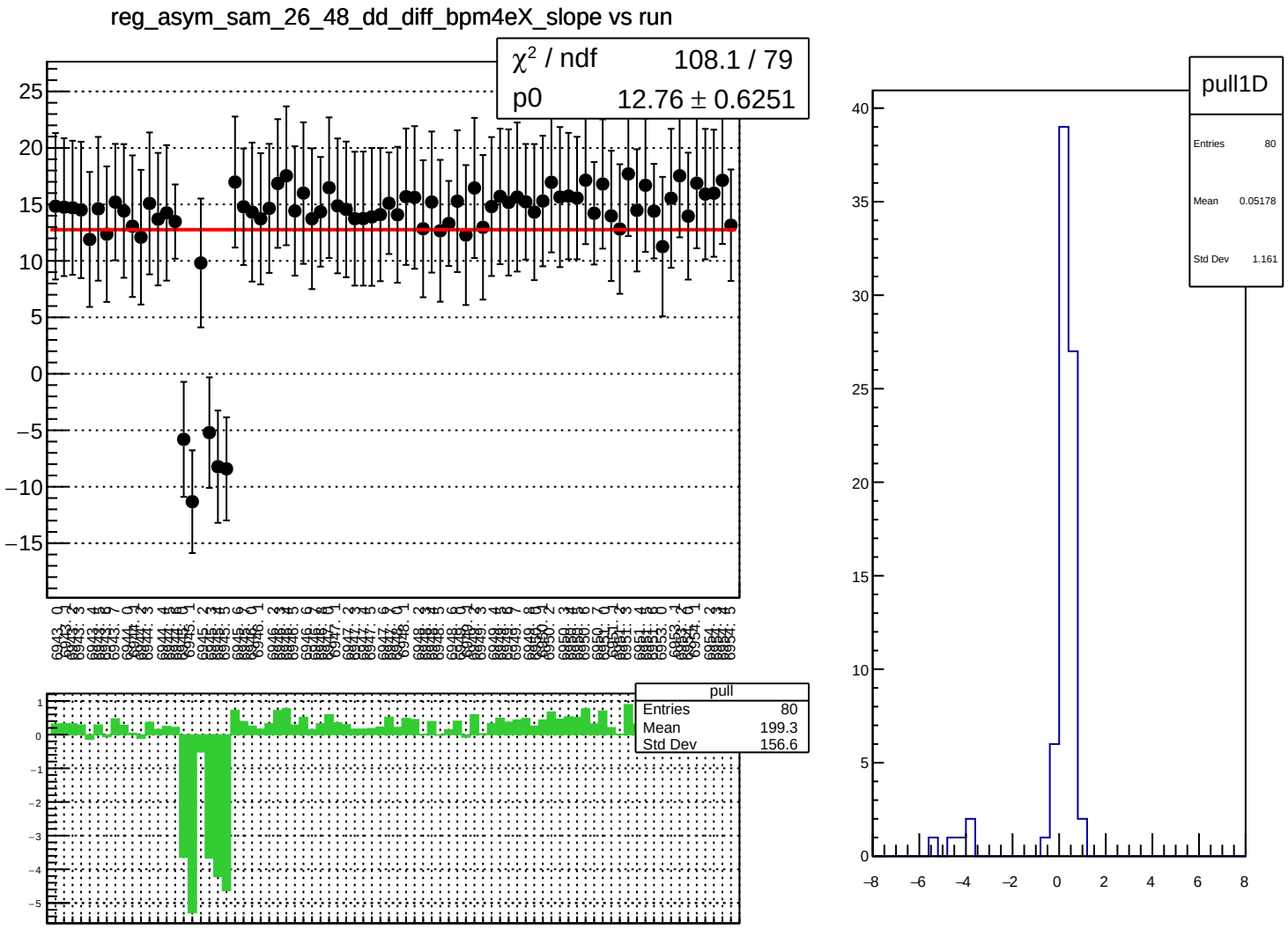

pull1D
Entries 80
Mean 0.01793
Std Dev 0.3674

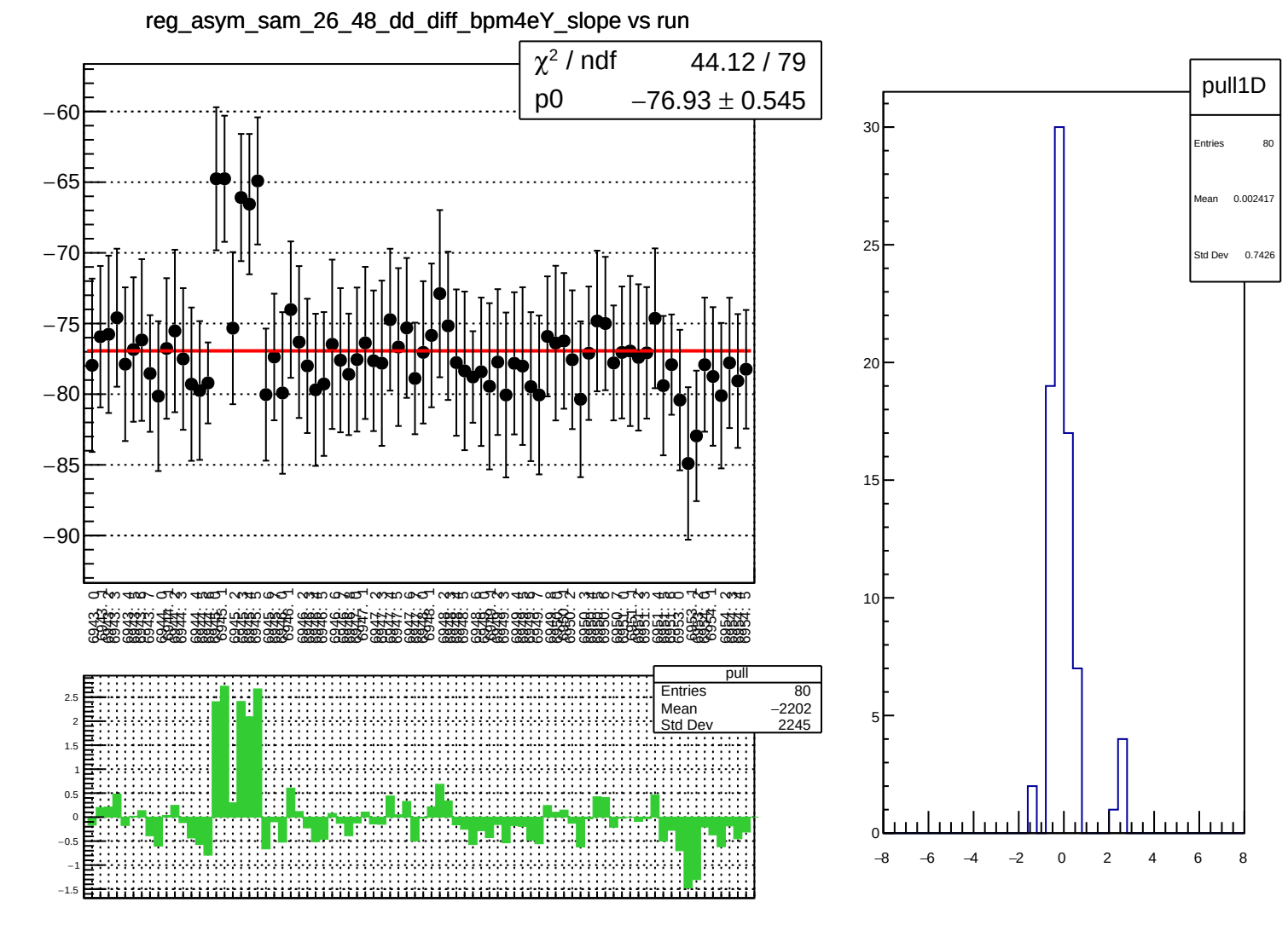

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.994 / 79
p0 0.238 ± 0.04606
pull
Entries 80
Mean −220.2
Std Dev 267.6
pull1D
Entries 80
Mean −0.002985
Std Dev 0.1934

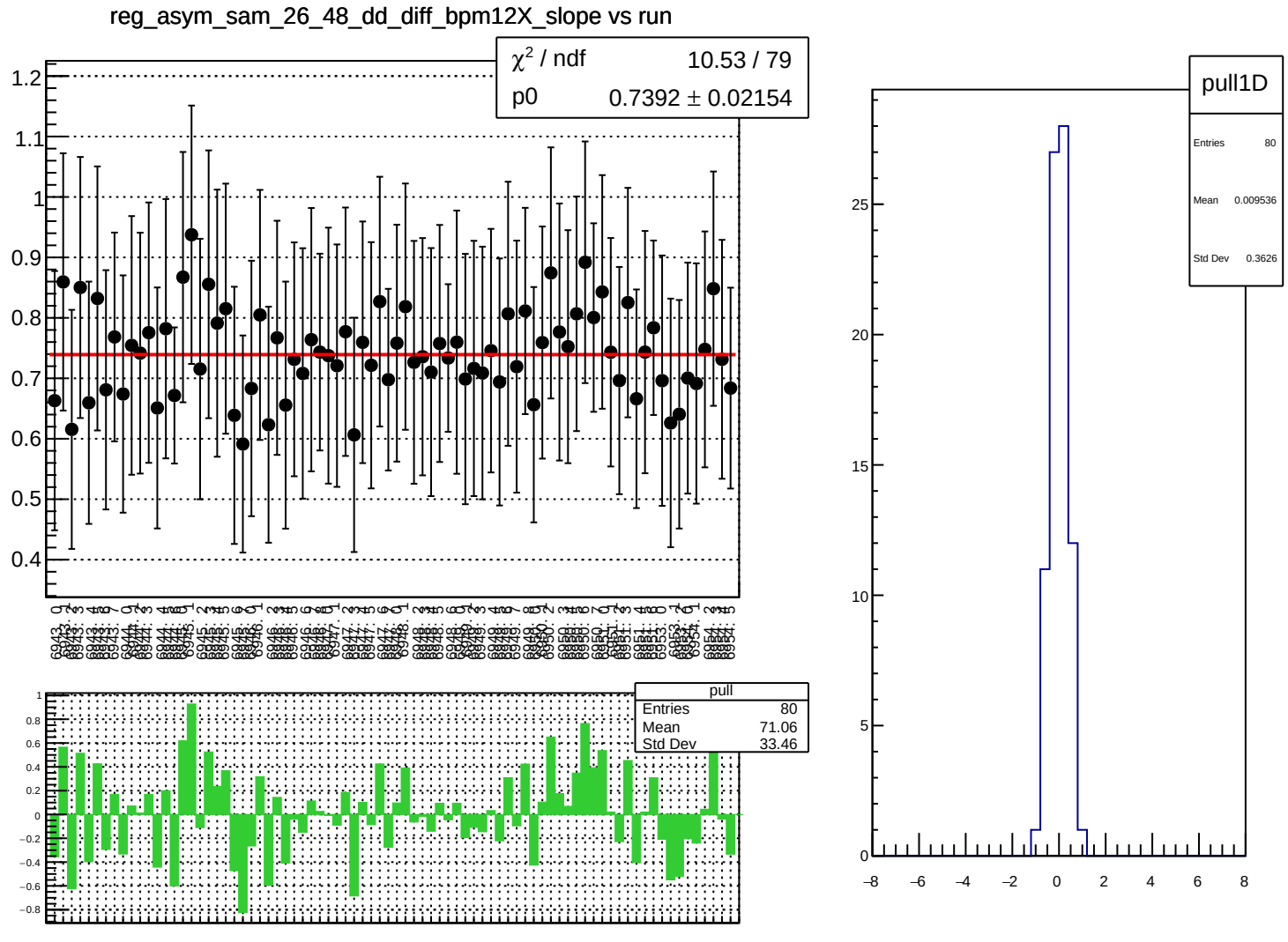

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 123.8 / 79
p0 9.175 ± 0.6695
pull
Entries 80
Mean 204.9
Std Dev 161.5

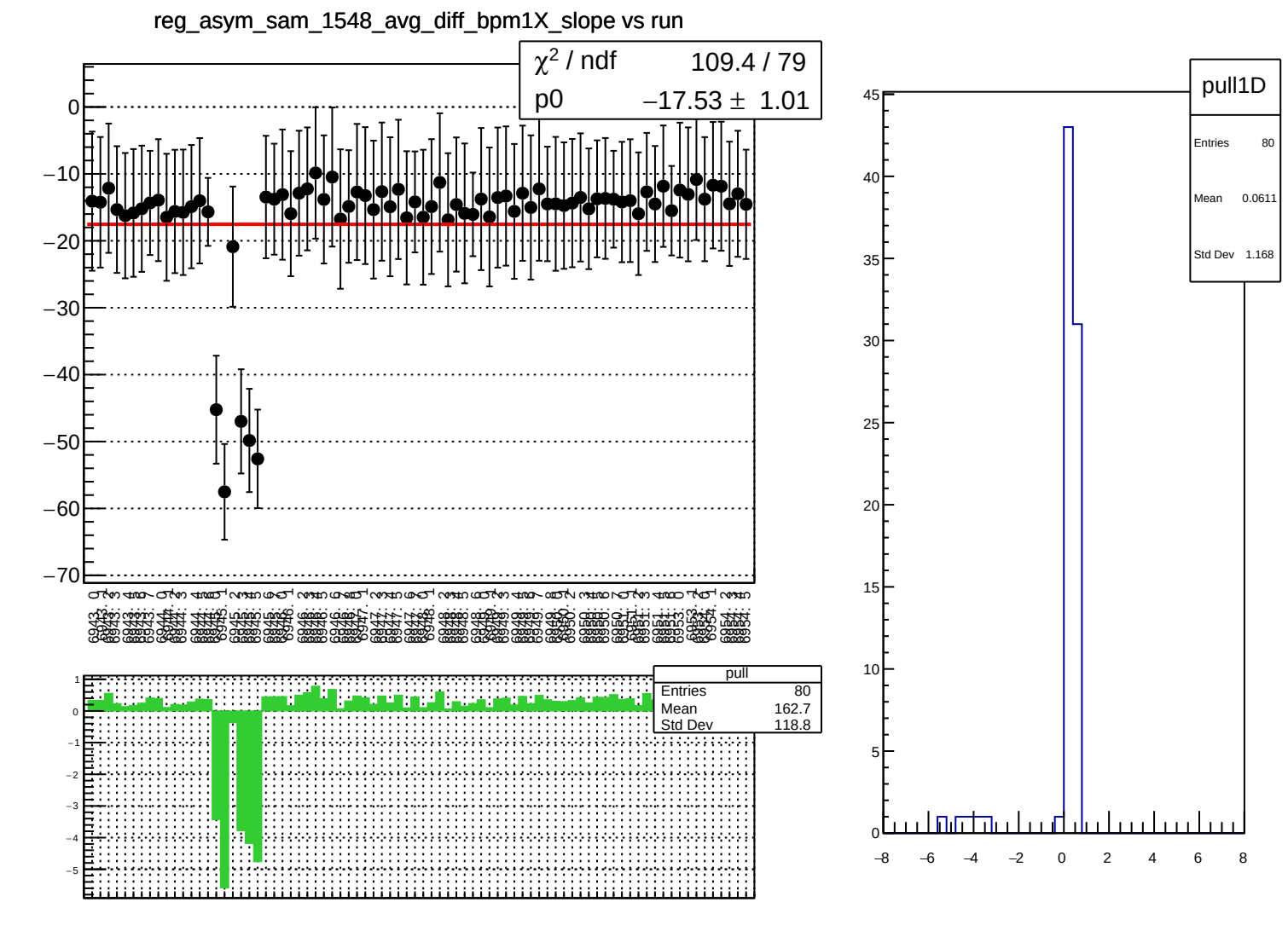

pull1D
Entries 80
Mean −0.0548
Std Dev 1.243

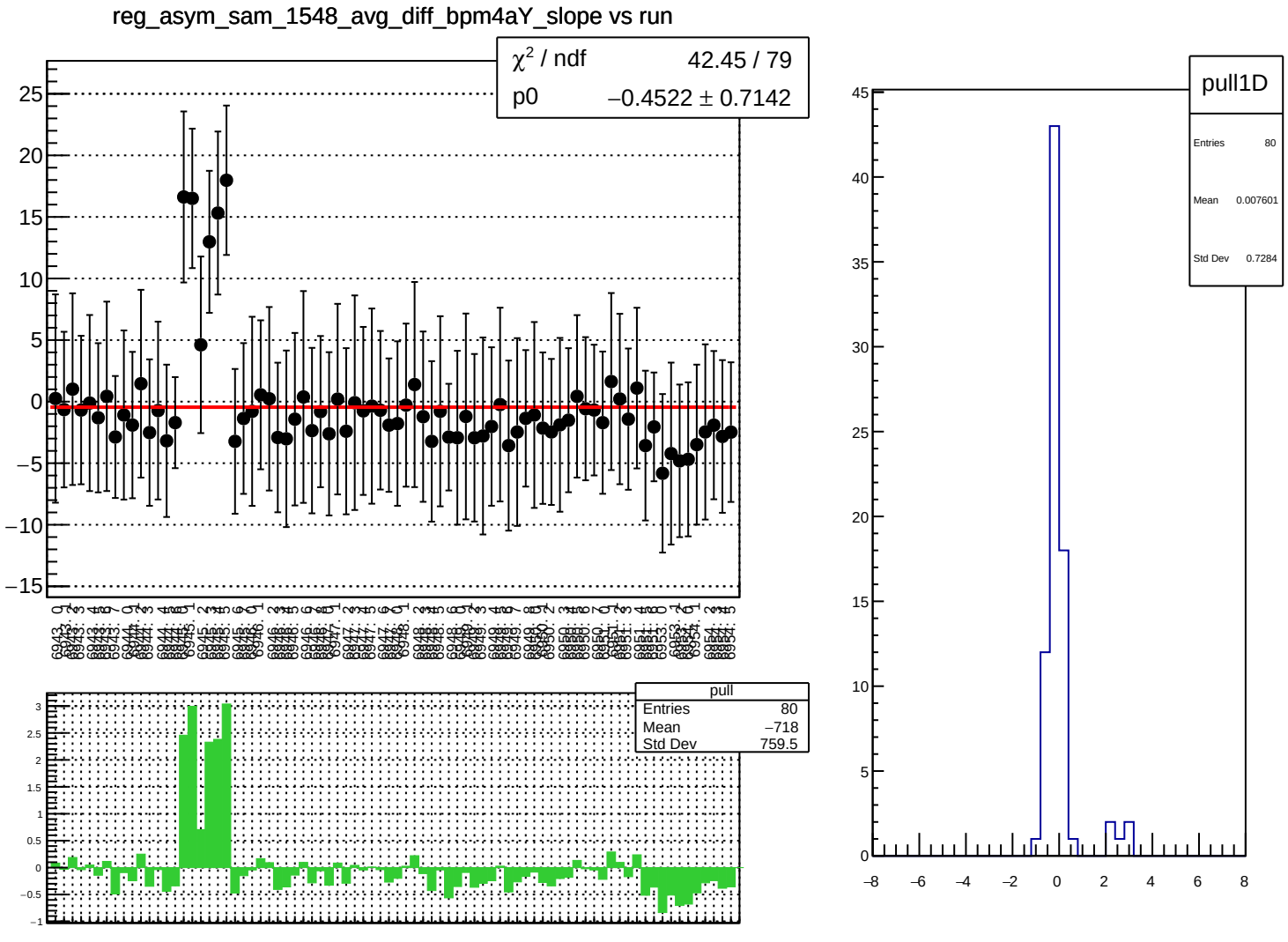

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 49 / 79
p0 3.311 ± 0.4735
pull
Entries 80
Mean −315.1
Std Dev 356.4
pull1D
Entries 80
Mean −0.0155
Std Dev 0.7825

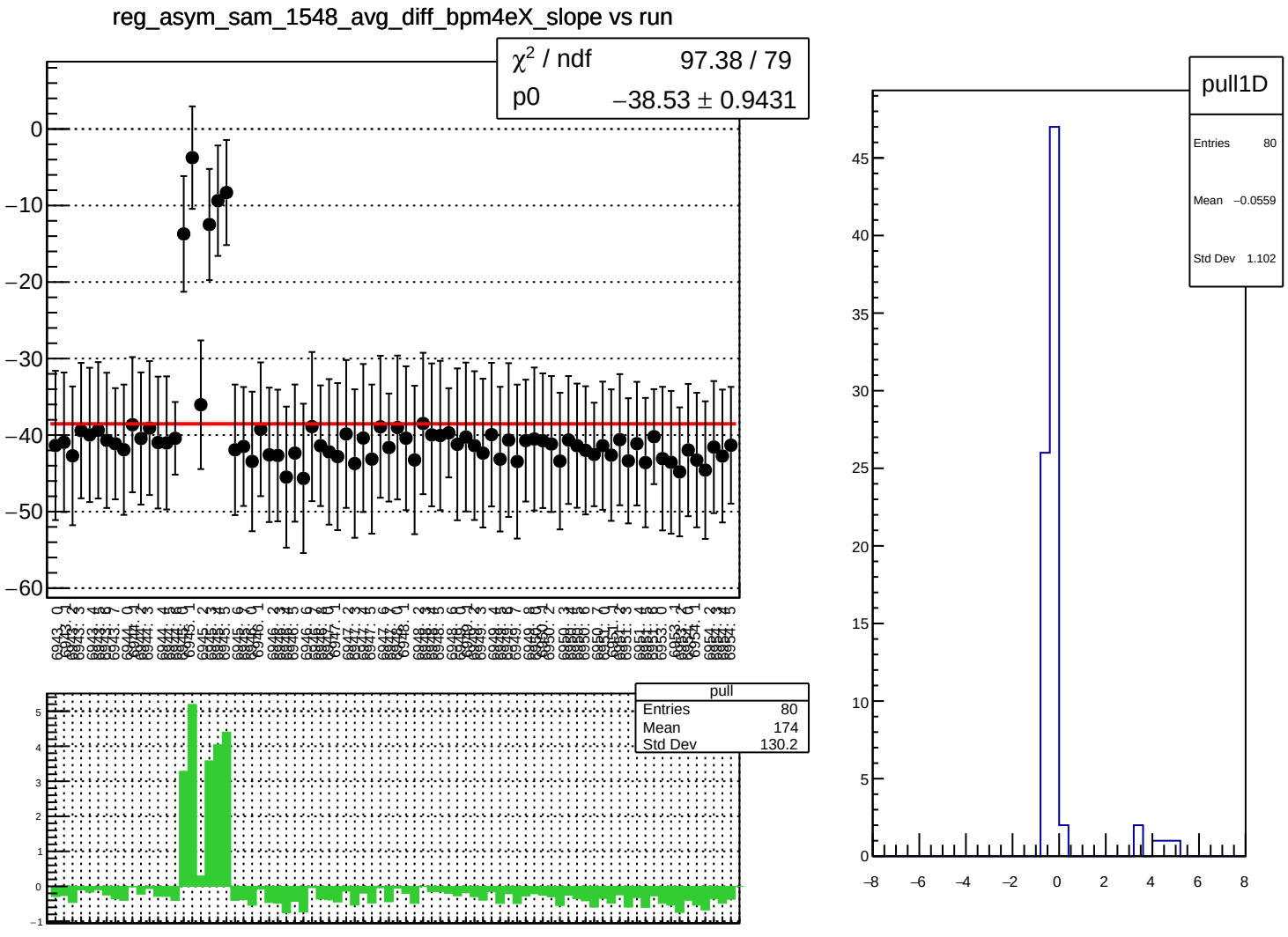

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.1 / 79
p0 12.76 ± 0.6251
pull
Entries 80
Mean 199.3
Std Dev 156.6
pull1D
Entries 80
Mean 0.05178
Std Dev 1.161

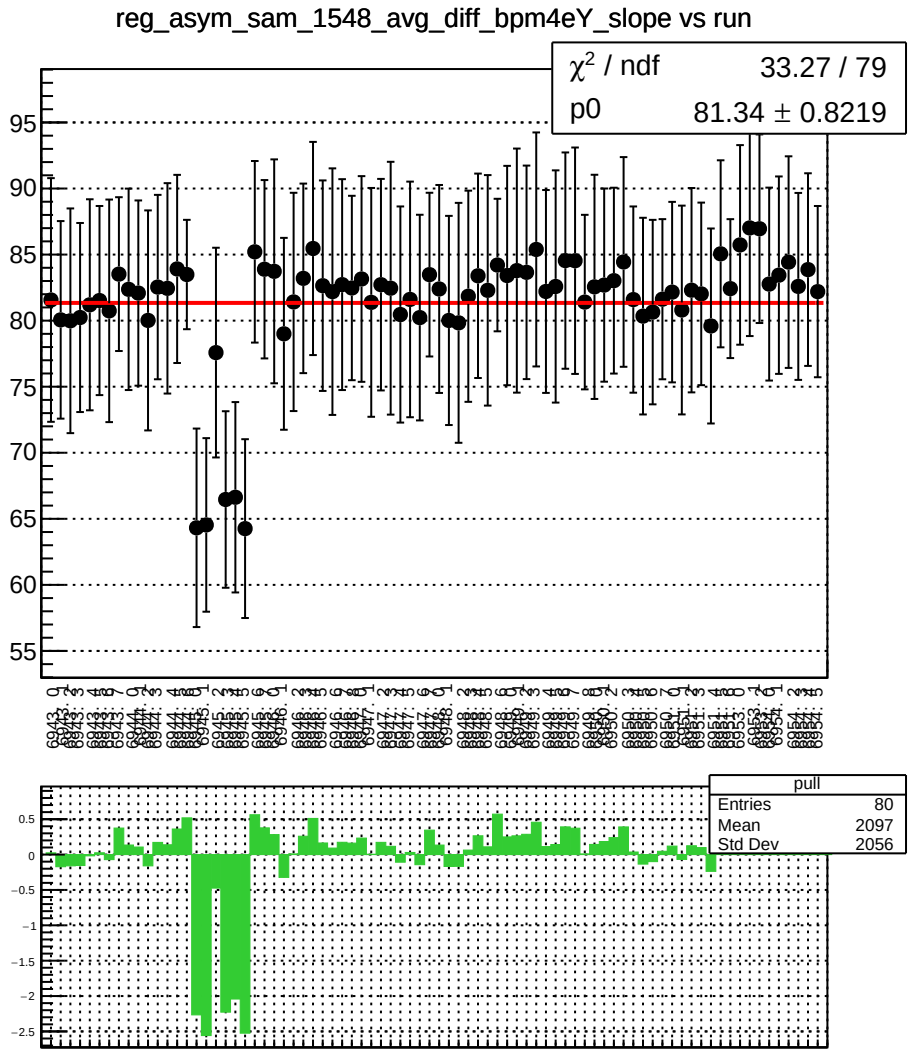

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.12 / 79
p0 −76.93 ± 0.545
pull
Entries 80
Mean −2202
Std Dev 2245
pull1D
Entries 80
Mean 0.002417
Std Dev 0.7426

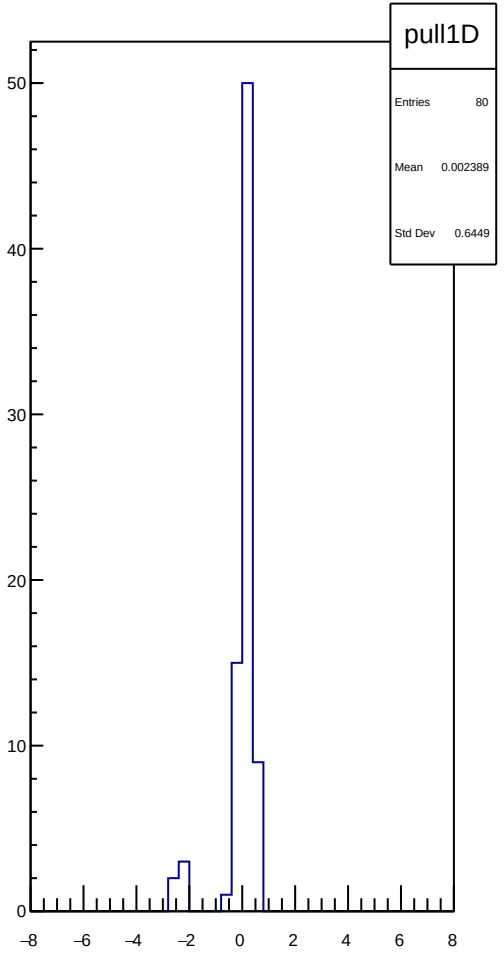

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.53 / 79
p0 0.7392 ± 0.02154
pull
Entries 80
Mean 71.06
Std Dev 33.46
pull1D
Entries 80
Mean 0.009536
Std Dev 0.3626

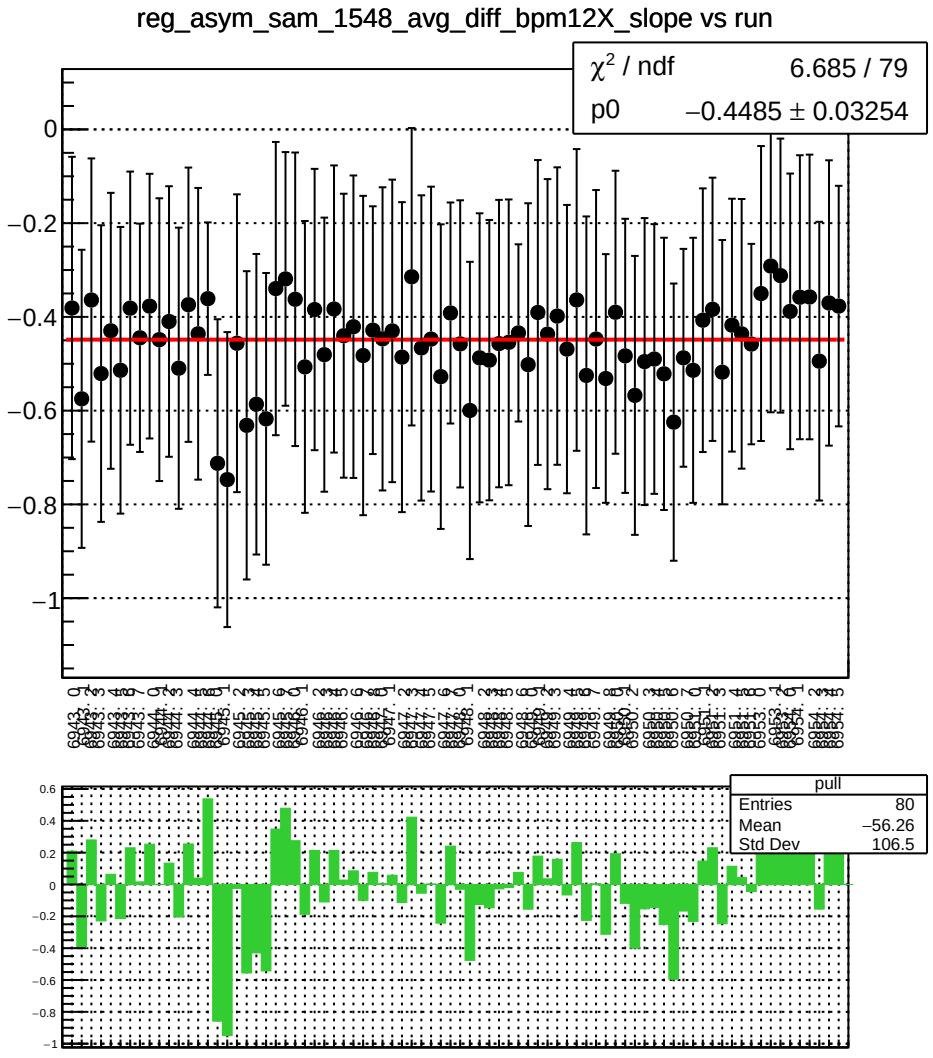

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 109.4 / 79
p0 −17.53 ± 1.01
pull
Entries 80
Mean 162.7
Std Dev 118.8
pull1D
Entries 80
Mean 0.0611
Std Dev 1.168

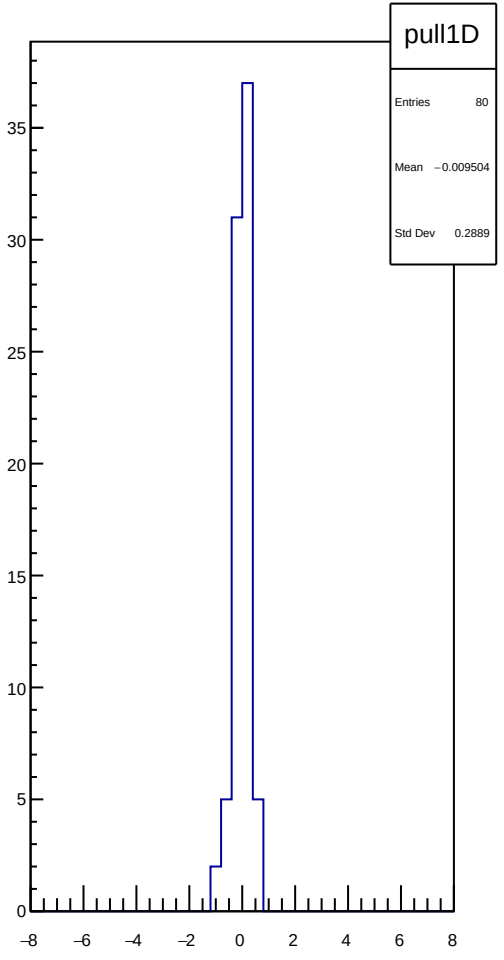

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.45 / 79
p0 −0.4522 ± 0.7142
pull
Entries 80
Mean −718
Std Dev 759.5
pull1D
Entries 80
Mean 0.007601
Std Dev 0.7284

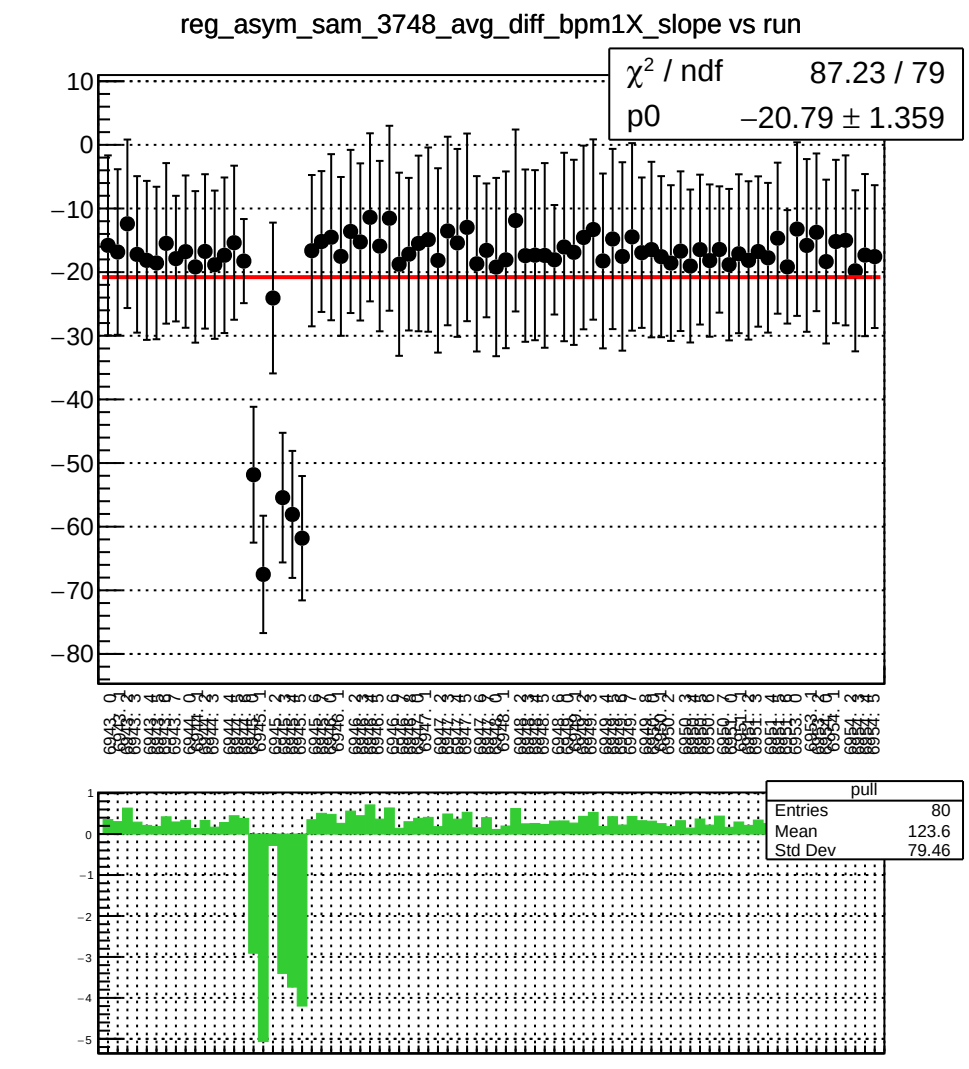

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 97.38 / 79
p0 −38.53 ± 0.9431
pull
Entries 80
Mean 174
Std Dev 130.2
pull1D
Entries 80
Mean −0.0559
Std Dev 1.102

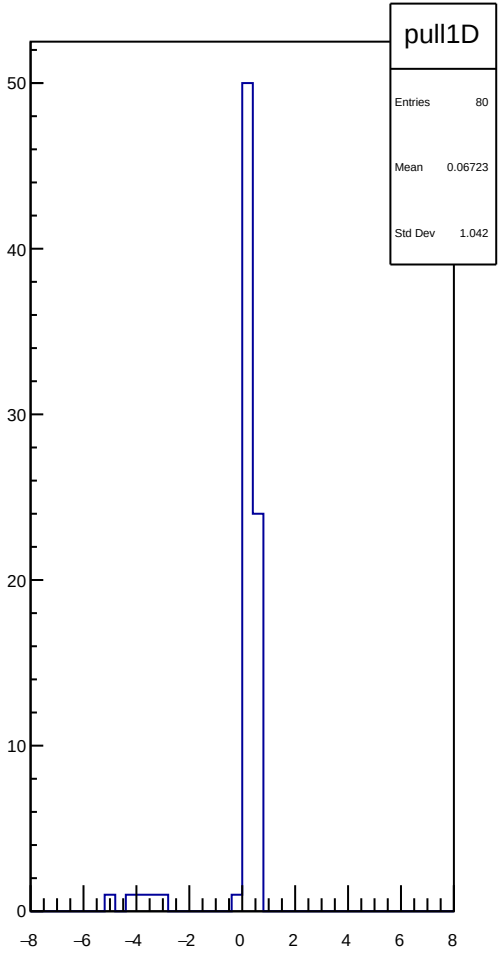

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.27 / 79
p0 81.34 ± 0.8219
pull
Entries 80
Mean 2097
Std Dev 2056

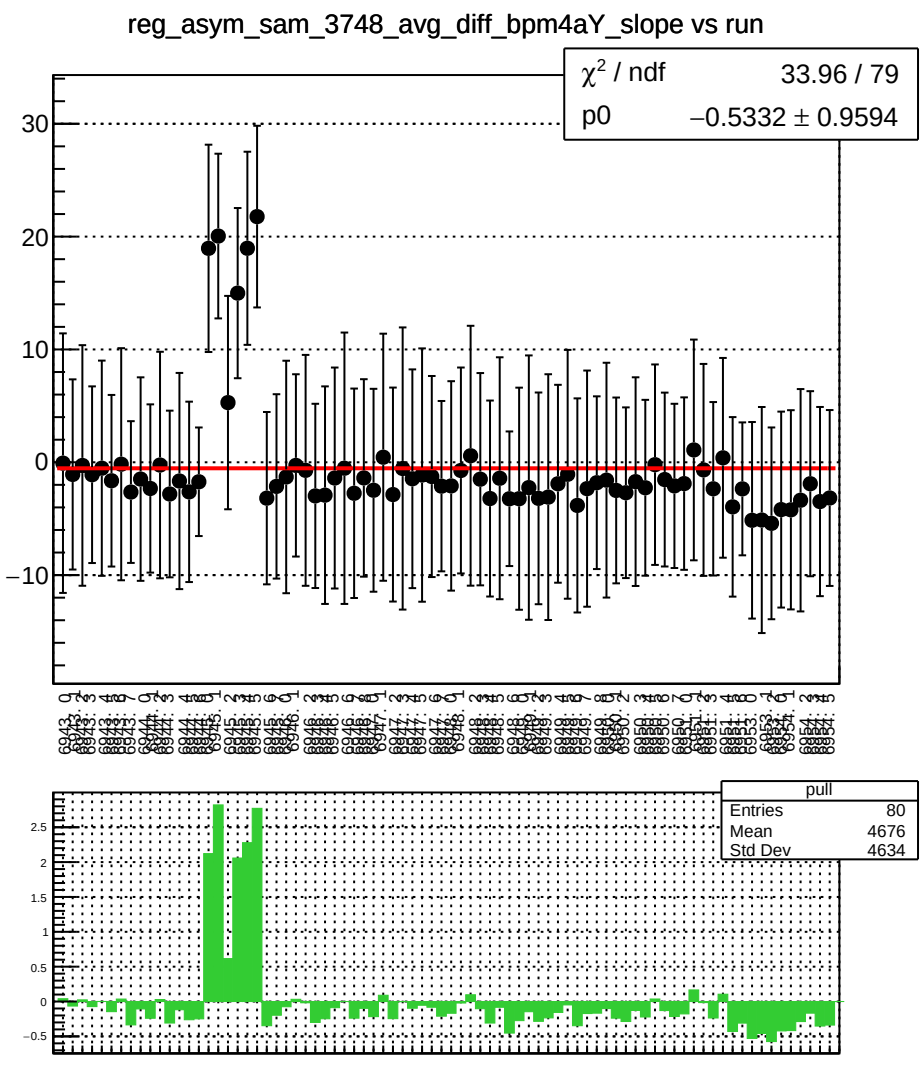

pull1D
Entries 80
Mean 0.002389
Std Dev 0.6449

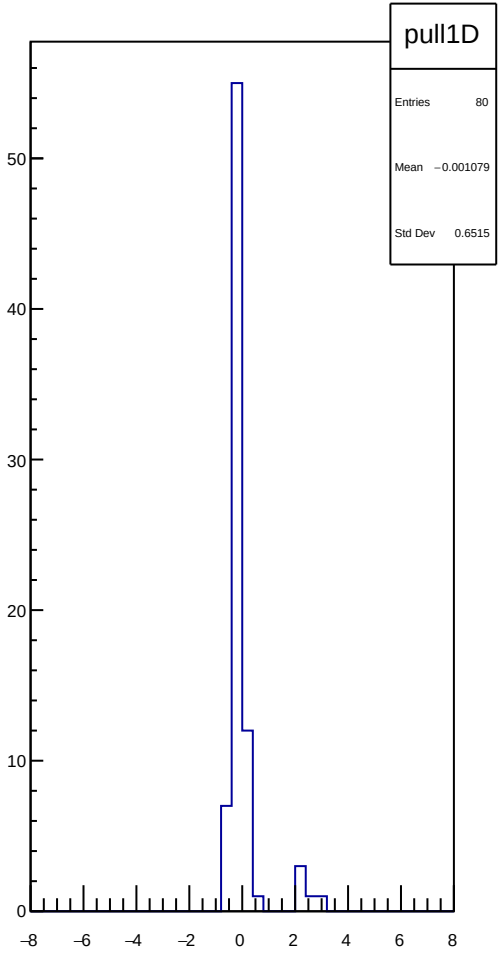

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 6.685 / 79
p0 −0.4485 ± 0.03254
pull
Entries 80
Mean −56.26
Std Dev 106.5

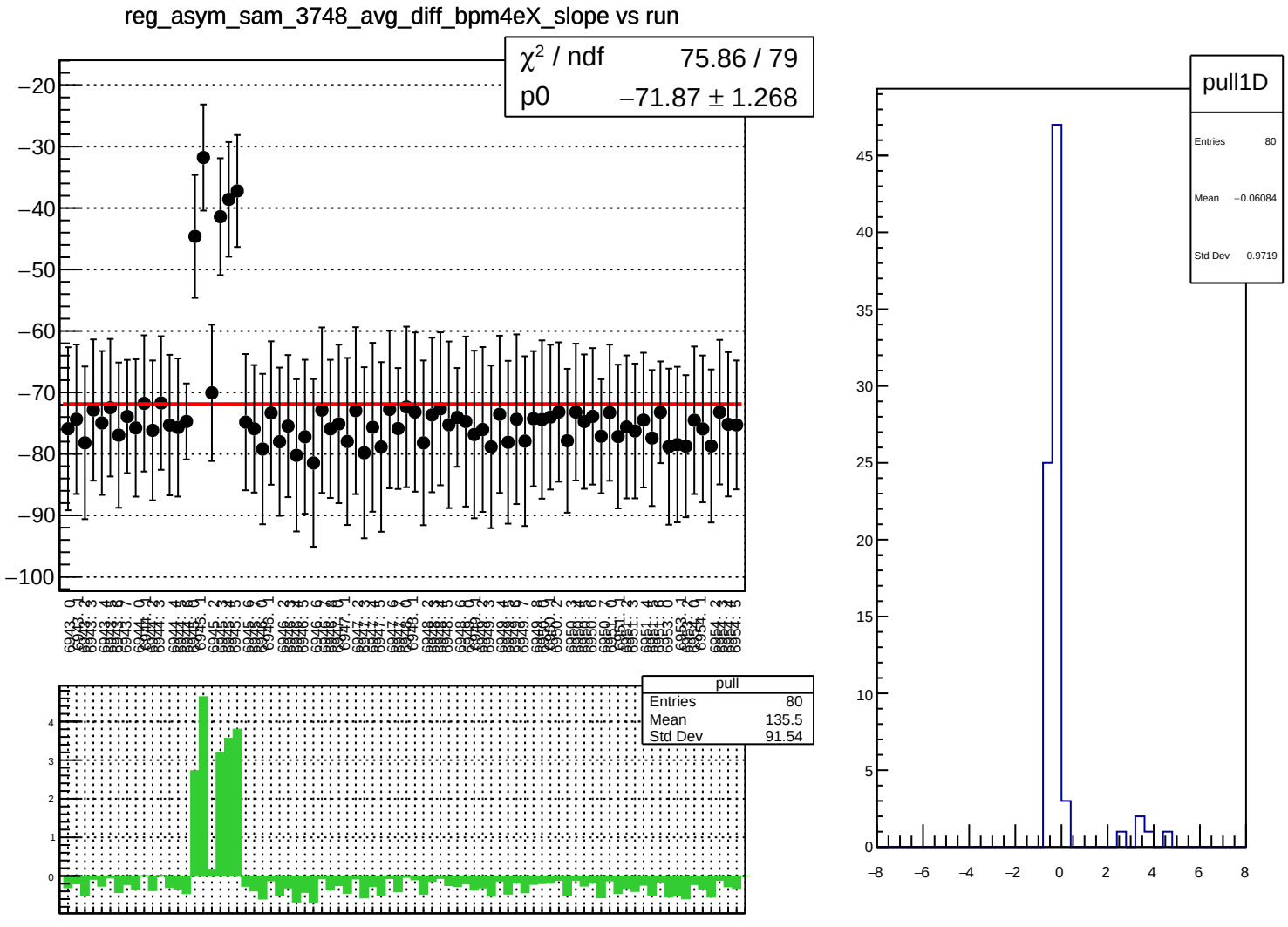

pull1D
Entries 80
Mean −0.009504
Std Dev 0.2889

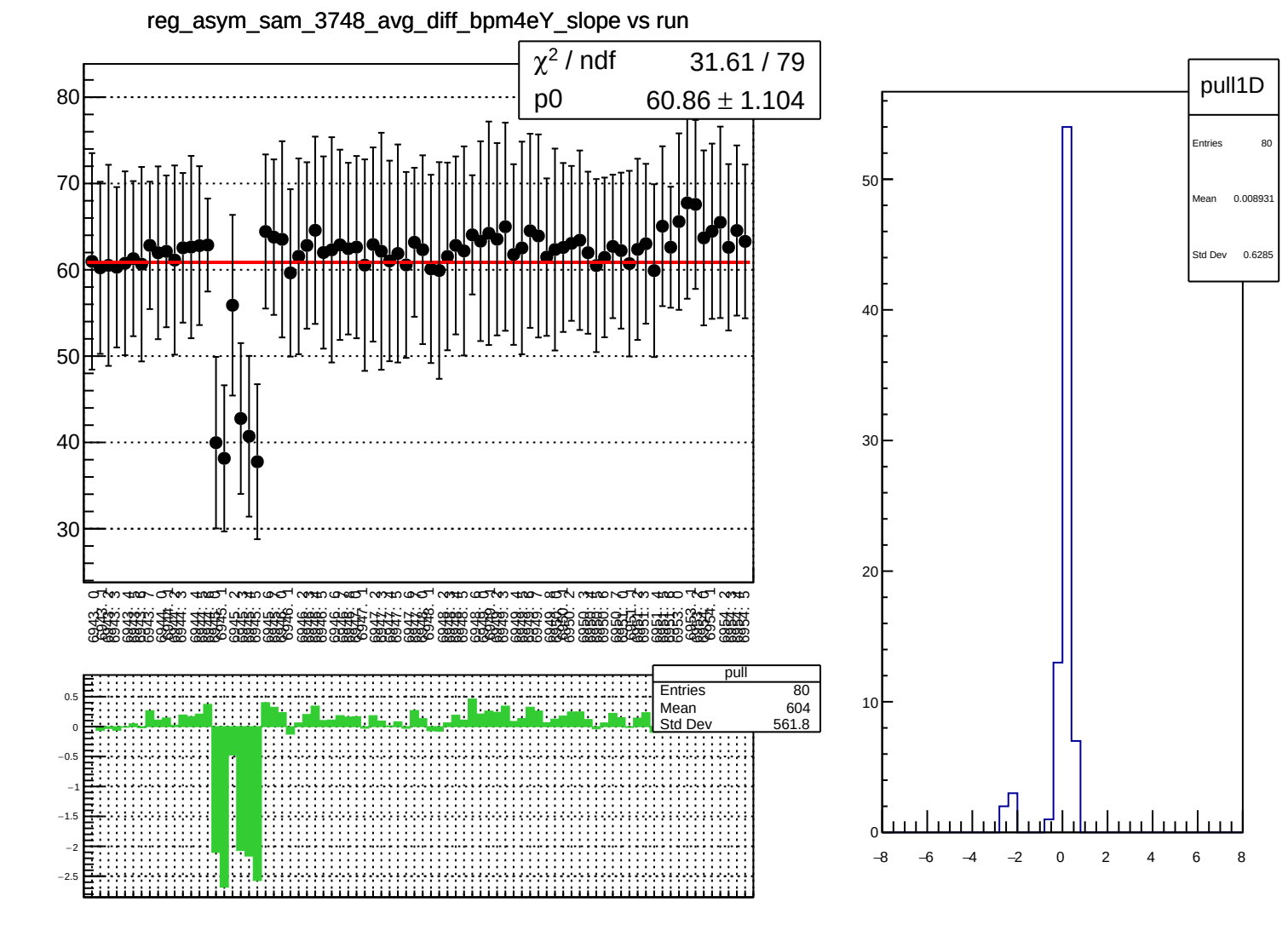

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 87.23 / 79
p0 −20.79 ± 1.359
pull
Entries 80
Mean 123.6
Std Dev 79.46

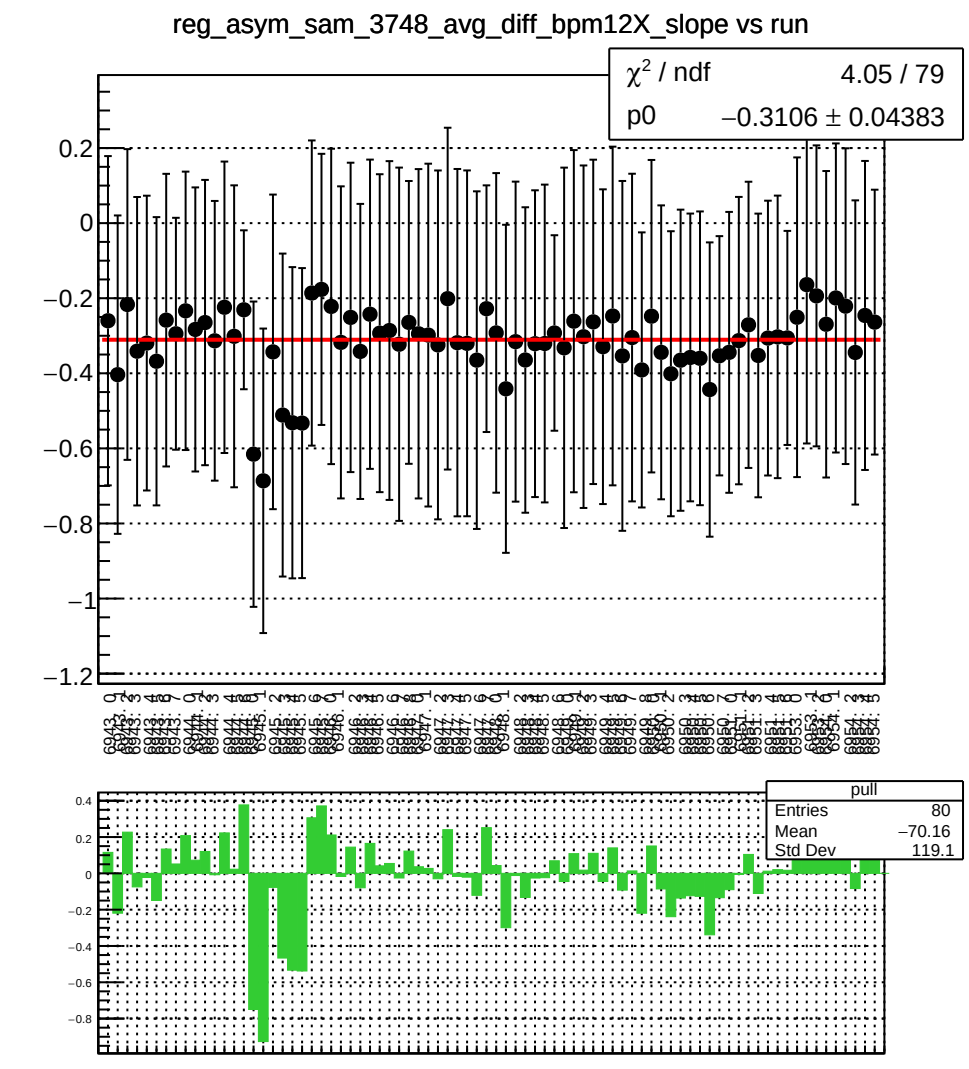

pull1D
Entries 80
Mean 0.06723
Std Dev 1.042

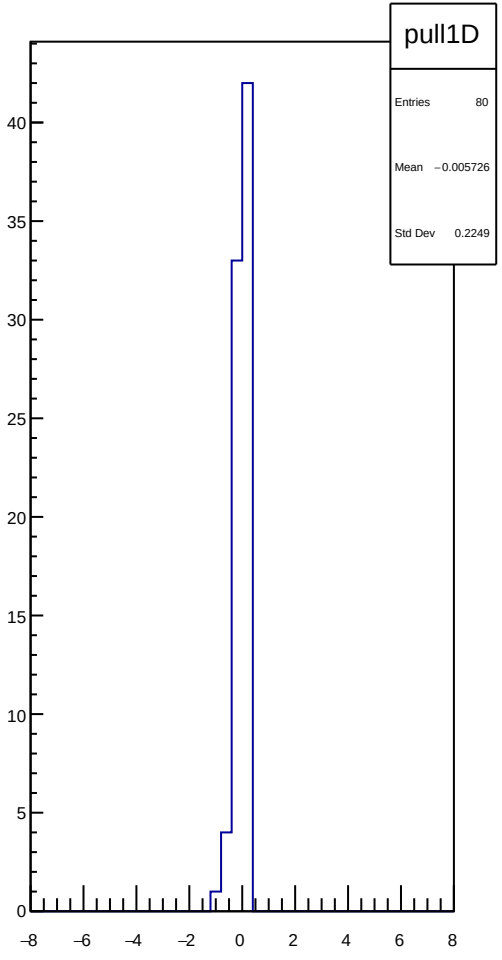

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.96 / 79
p0 −0.5332 ± 0.9594
pull
Entries 80
Mean 4676
Std Dev 4634

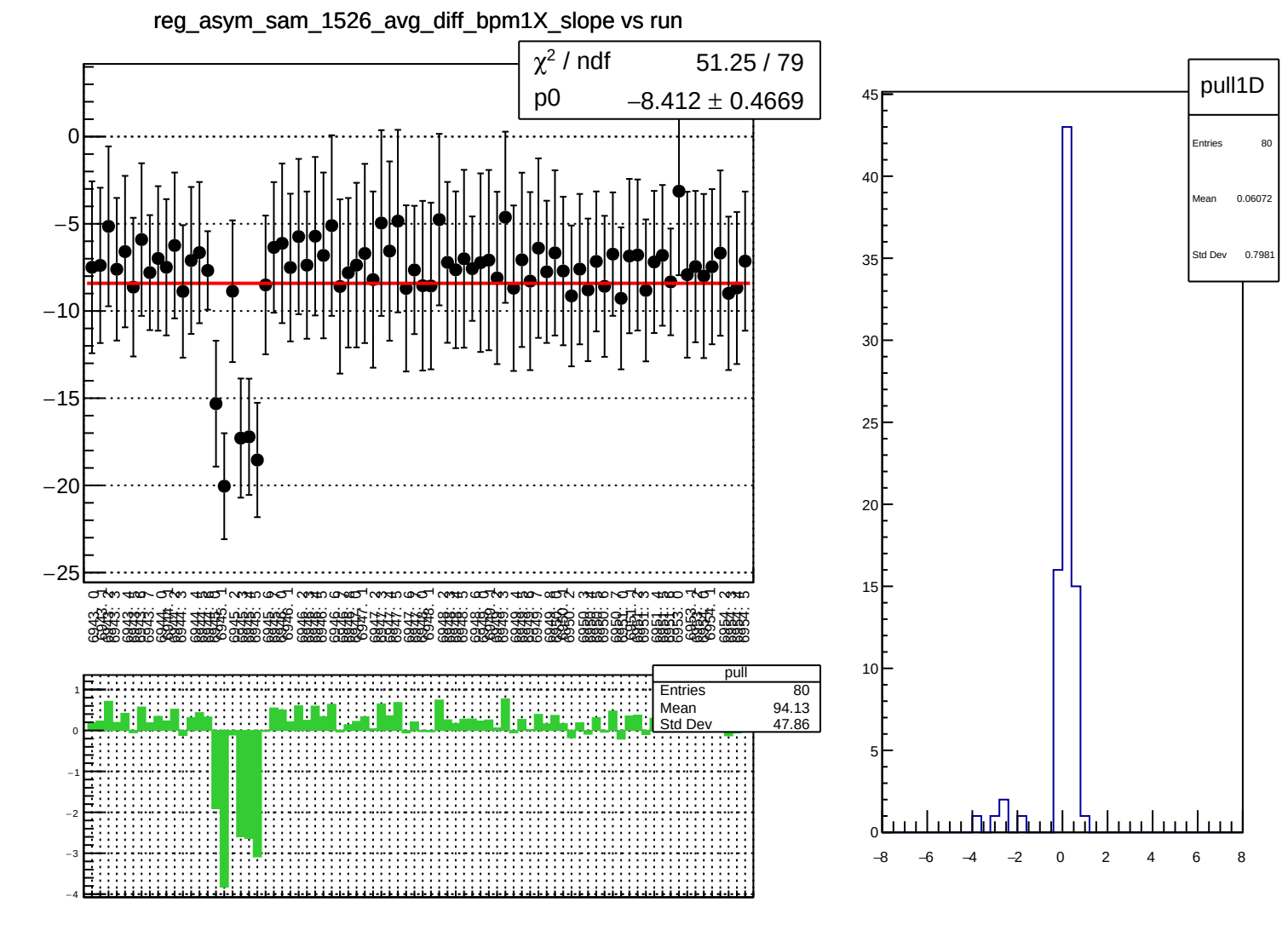

pull1D
Entries 80
Mean −0.001079
Std Dev 0.6515

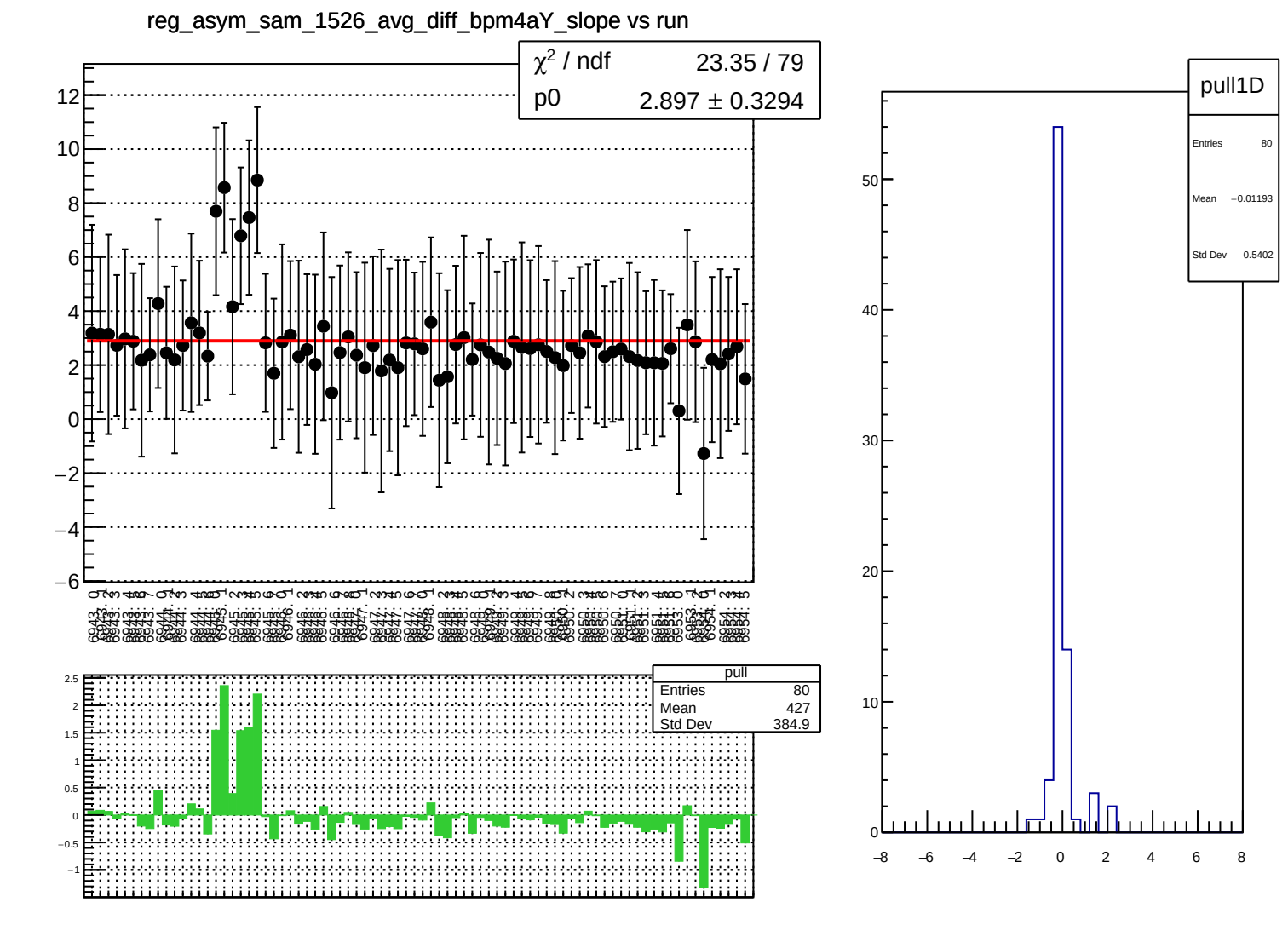

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.86 / 79
p0 −71.87 ± 1.268
pull
Entries 80
Mean 135.5
Std Dev 91.54
pull1D
Entries 80
Mean −0.06084
Std Dev 0.9719

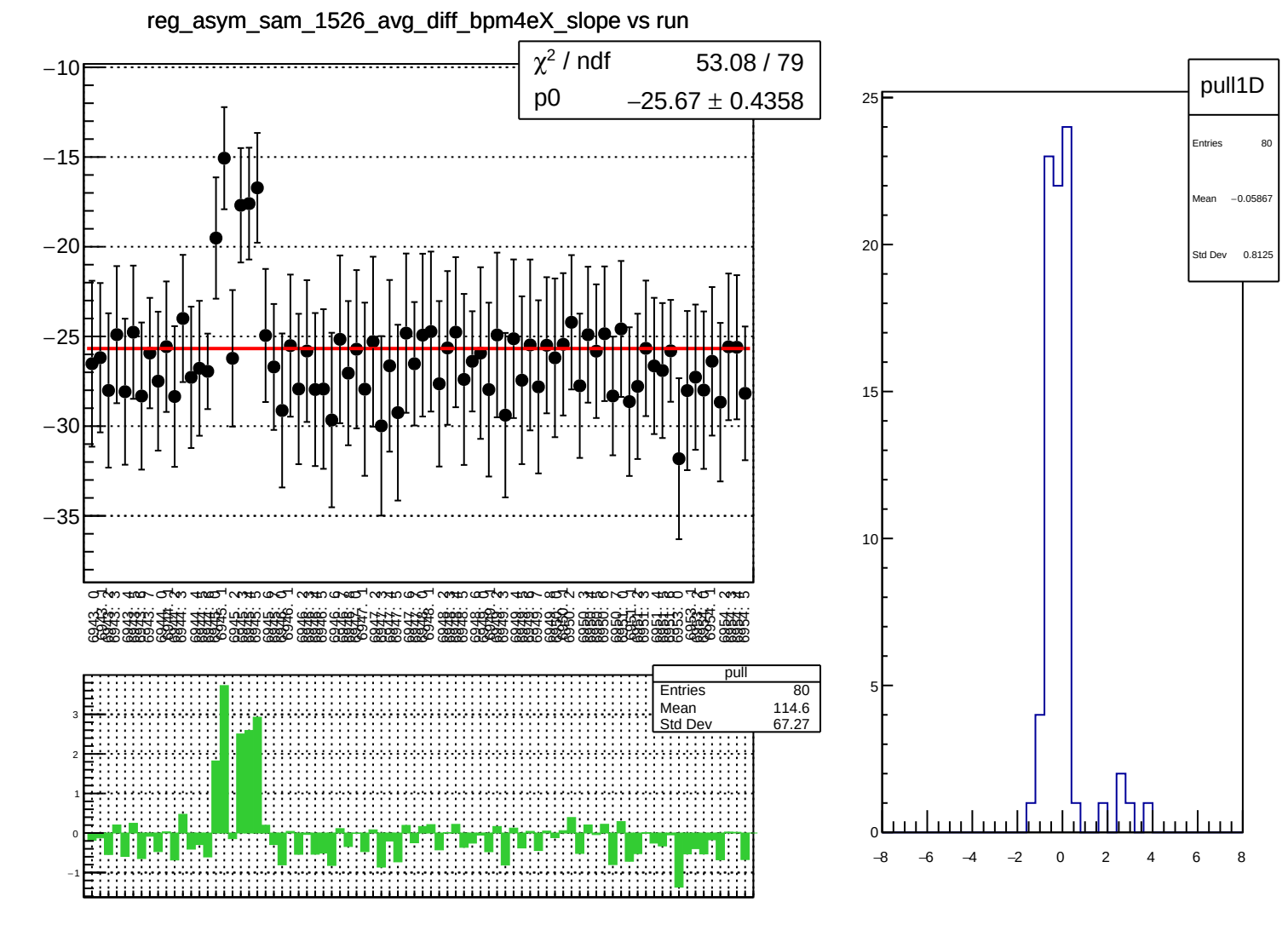

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.61 / 79
p0 60.86 ± 1.104
pull
Entries 80
Mean 604
Std Dev 561.8
pull1D
Entries 80
Mean 0.008931
Std Dev 0.6285

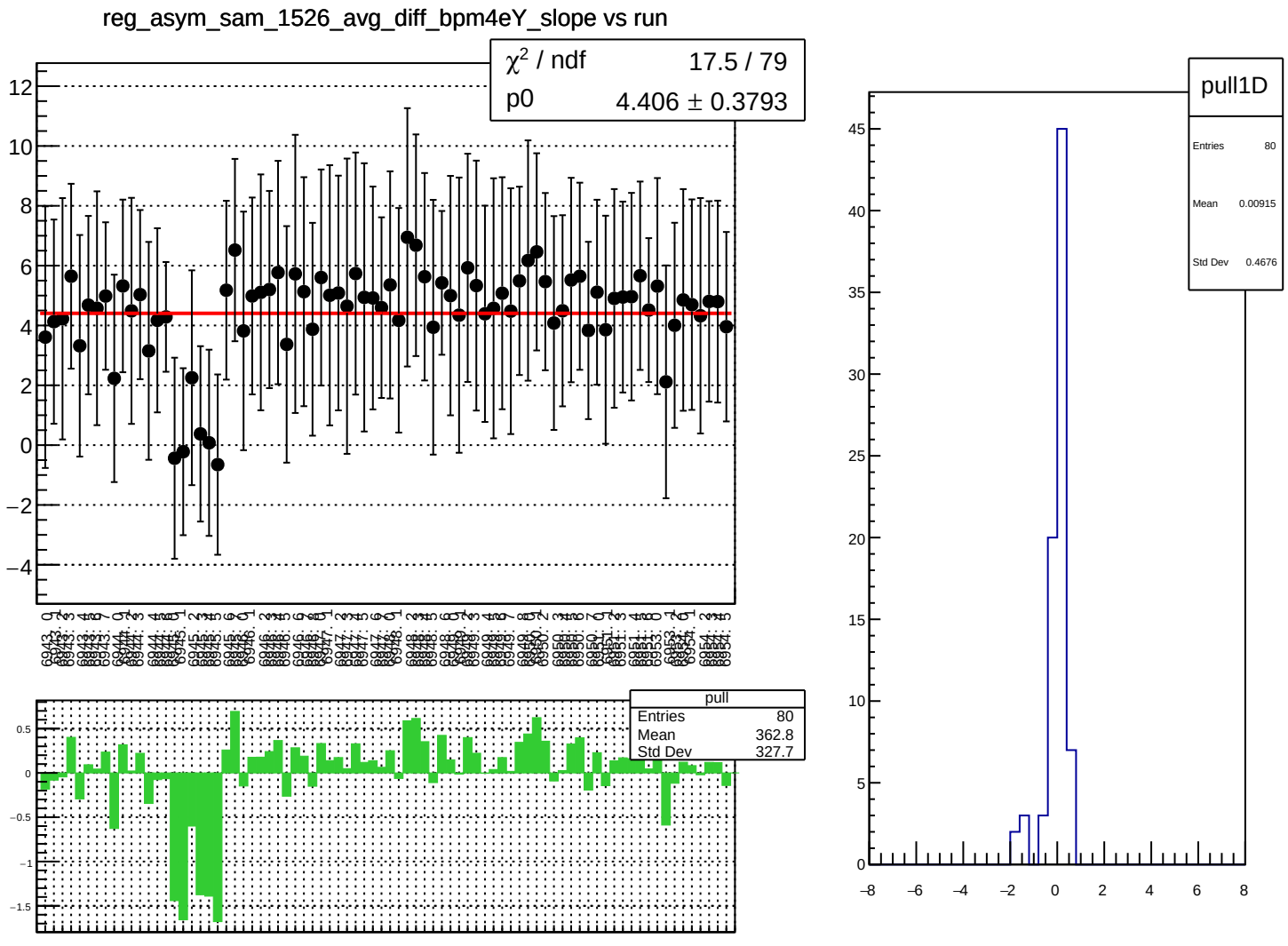

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 4.05 / 79
p0 −0.3106 ± 0.04383
pull
Entries 80
Mean −70.16
Std Dev 119.1

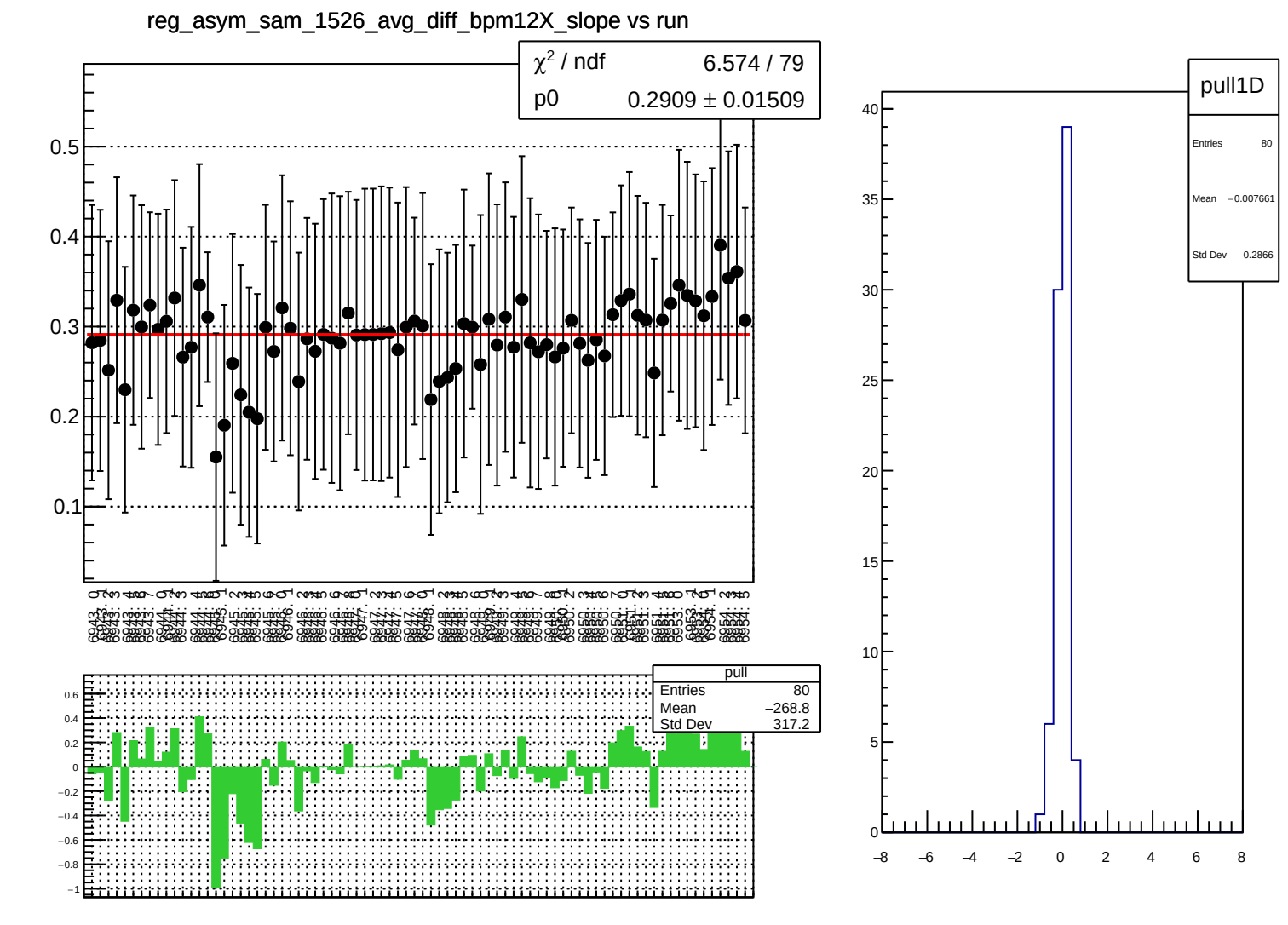

pull1D
Entries 80
Mean −0.005726
Std Dev 0.2249

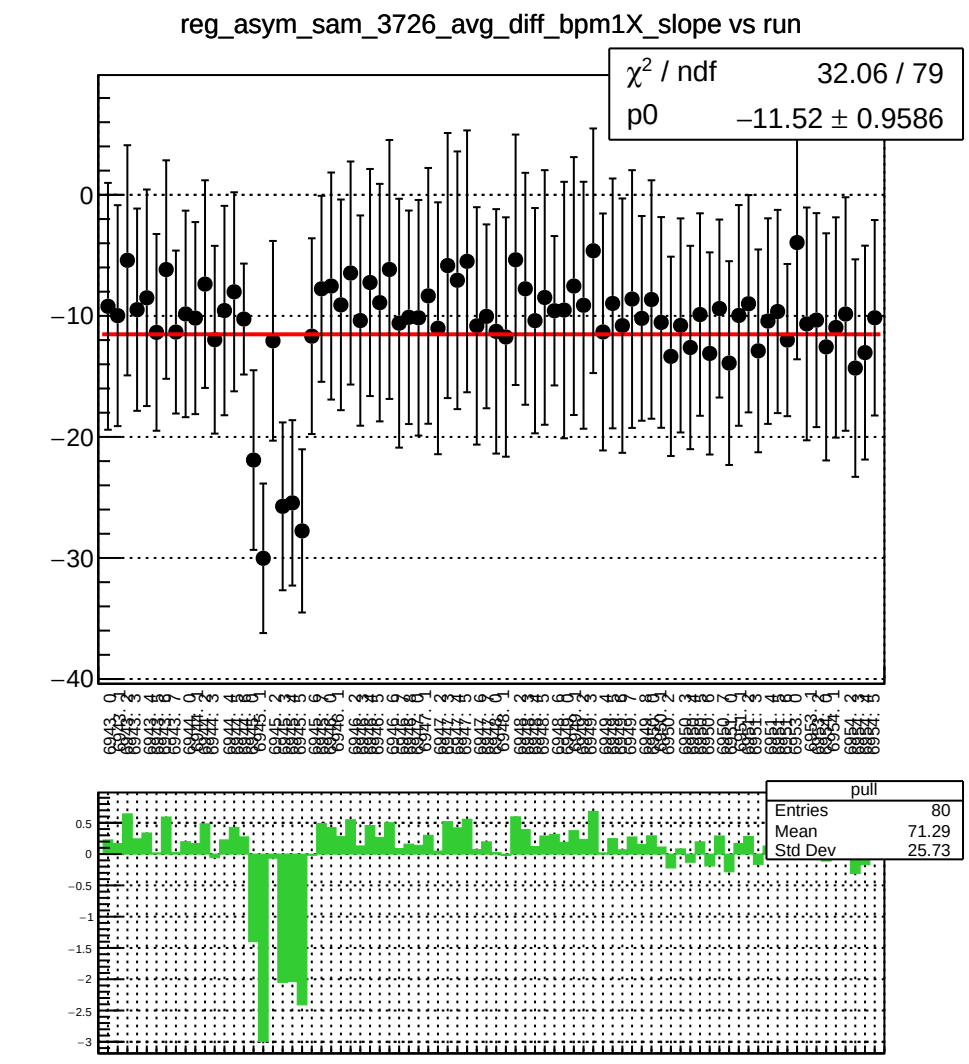

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 51.25 / 79
p0 −8.412 ± 0.4669
pull
Entries 80
Mean 94.13
Std Dev 47.86
pull1D
Entries 80
Mean 0.06072
Std Dev 0.7981

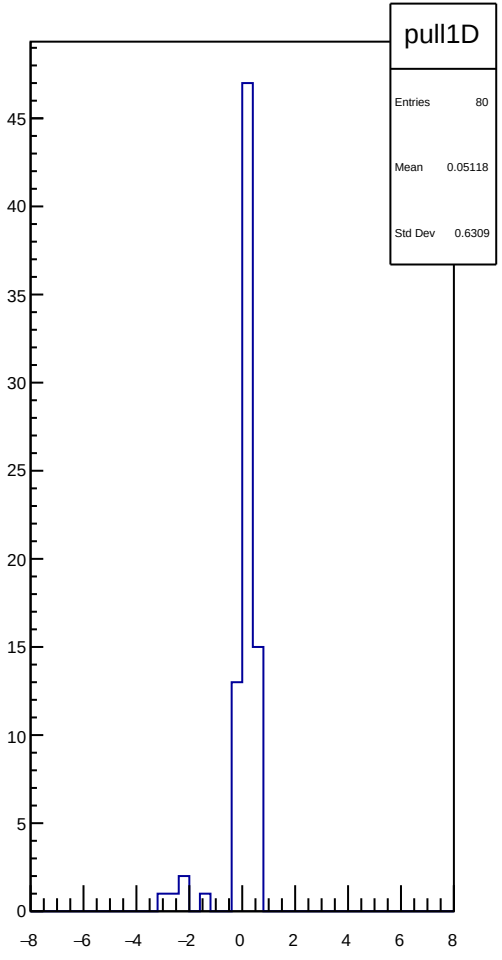

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.35 / 79
p0 2.897 ± 0.3294
pull
Entries 80
Mean 427
Std Dev 384.9
pull1D
Entries 80
Mean −0.01193
Std Dev 0.5402

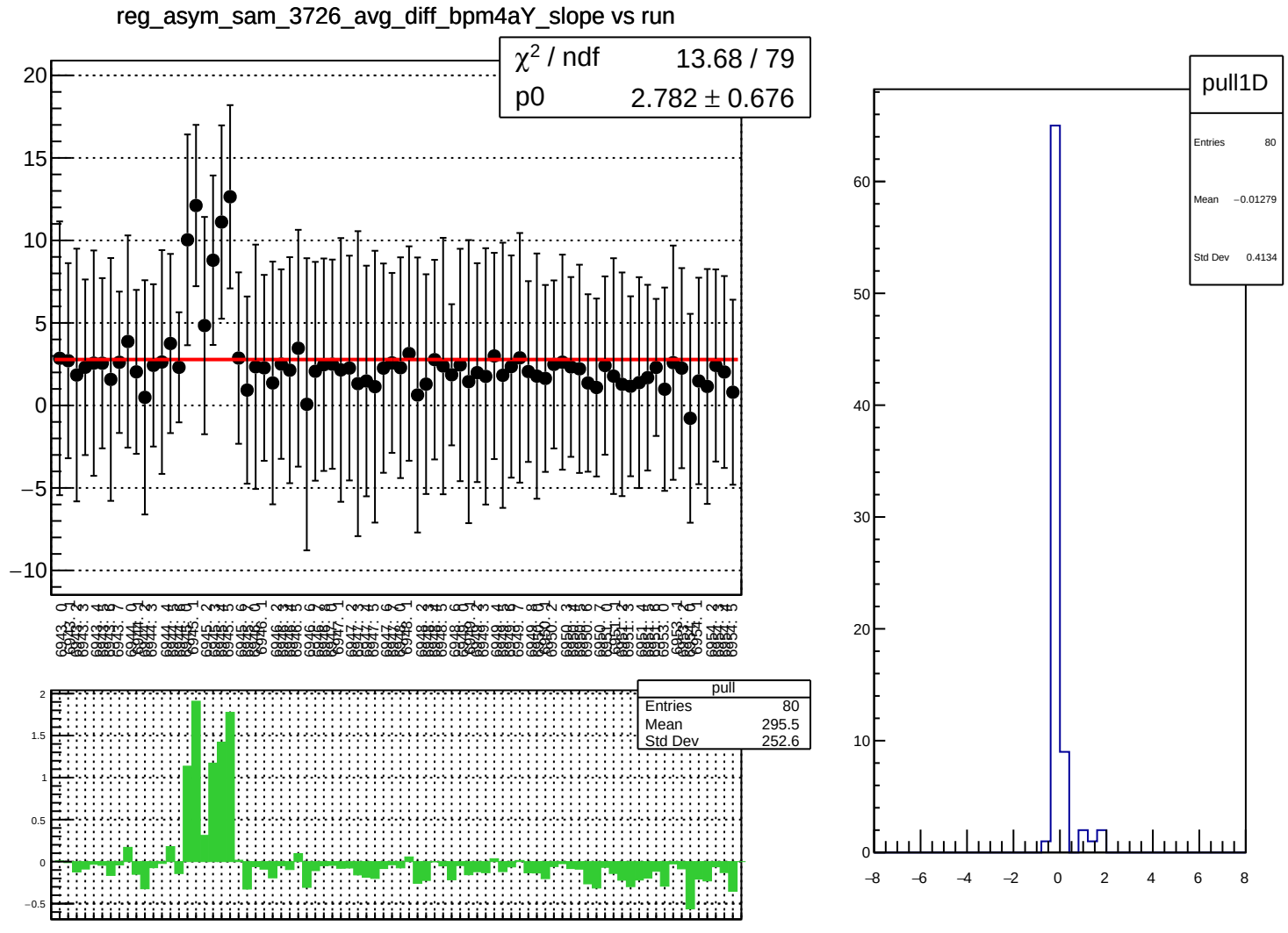

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.08 / 79
p0 −25.67 ± 0.4358
pull
Entries 80
Mean 114.6
Std Dev 67.27
pull1D
Entries 80
Mean −0.05867
Std Dev 0.8125

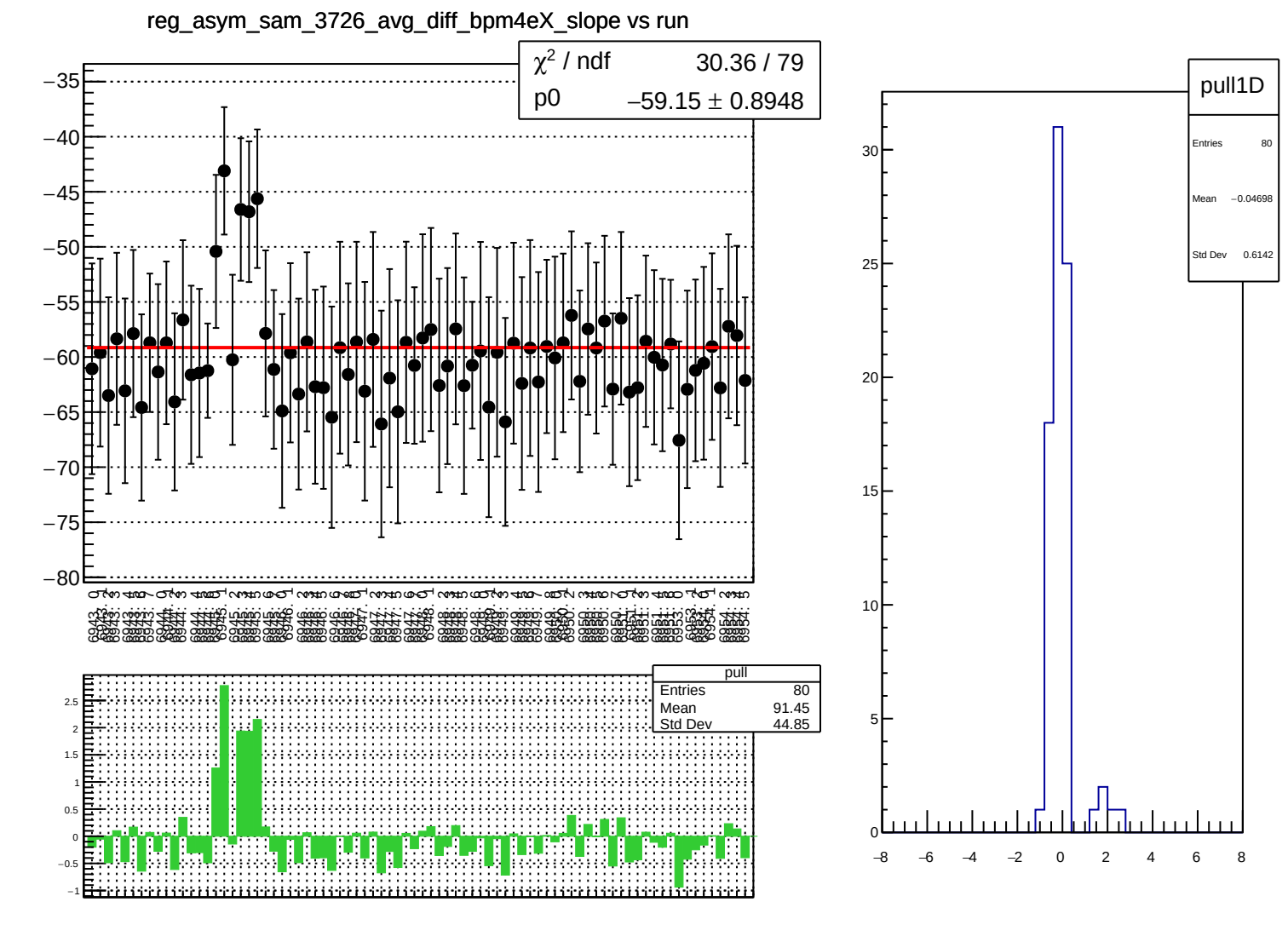

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.5 / 79
p0 4.406 ± 0.3793
pull
Entries 80
Mean 362.8
Std Dev 327.7
pull1D
Entries 80
Mean 0.00915
Std Dev 0.4676

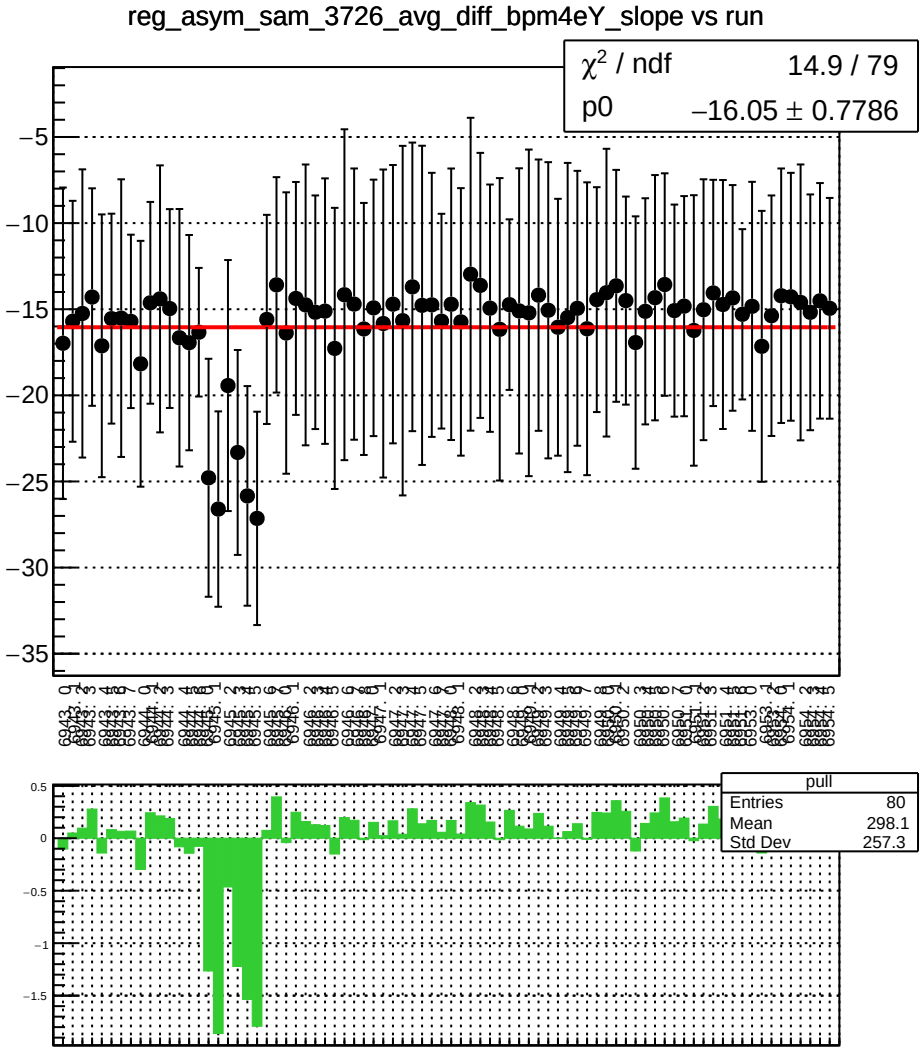

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 6.574 / 79
p0 0.2909 ± 0.01509
pull
Entries 80
Mean −268.8
Std Dev 317.2
pull1D
Entries 80
Mean −0.007661
Std Dev 0.2866

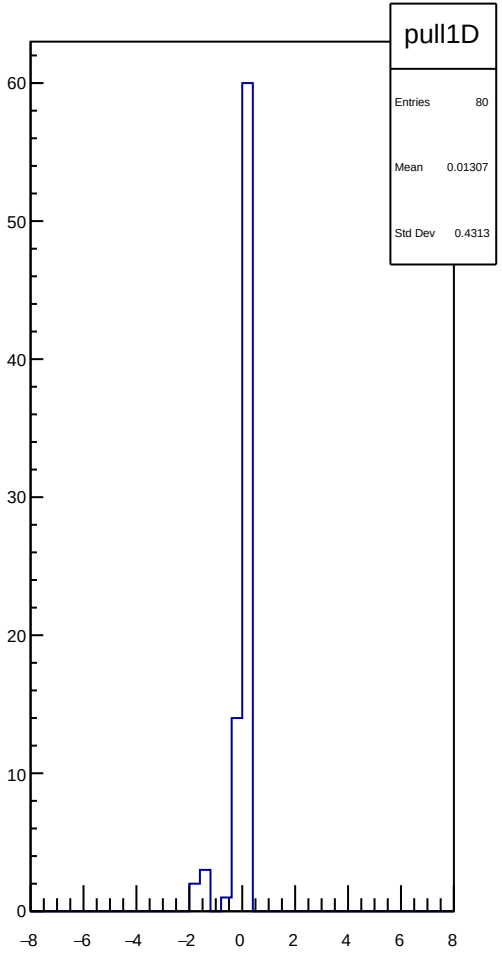

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 32.06 / 79
p0 −11.52 ± 0.9586
pull
Entries 80
Mean 71.29
Std Dev 25.73

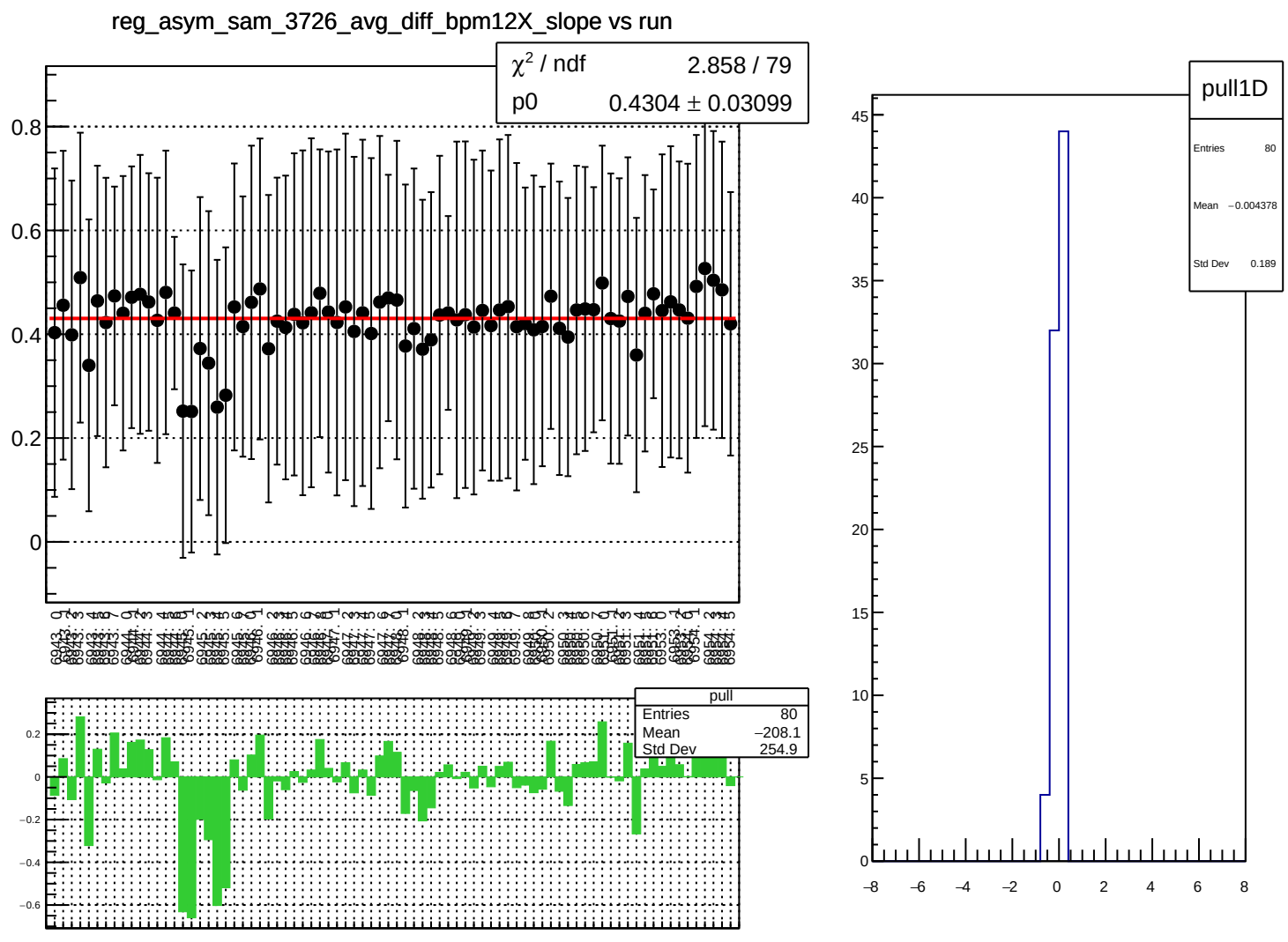

pull1D
Entries 80
Mean 0.05118
Std Dev 0.6309

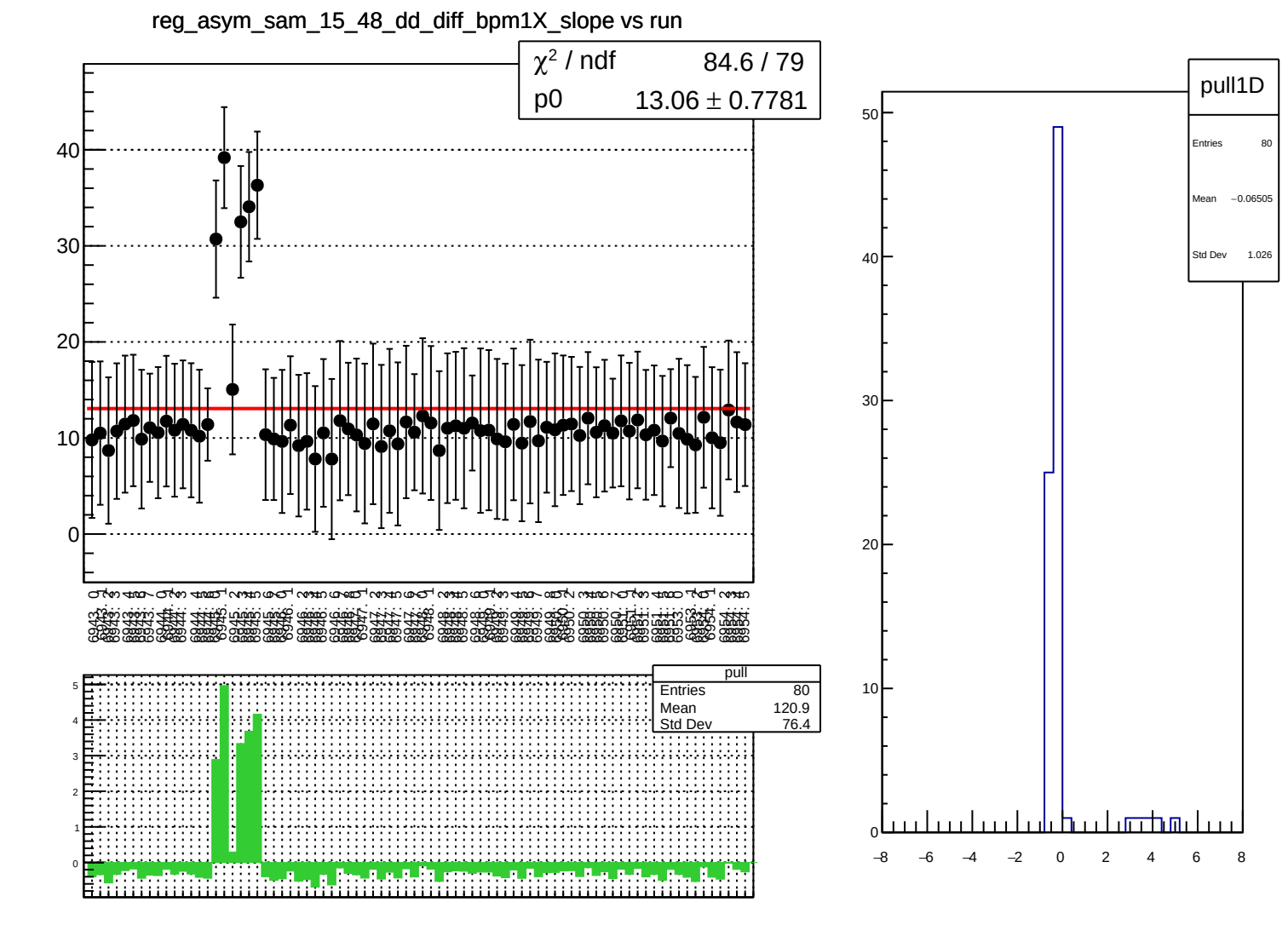

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.68 / 79
p0 2.782 ± 0.676
pull
Entries 80
Mean 295.5
Std Dev 252.6
pull1D
Entries 80
Mean −0.01279
Std Dev 0.4134

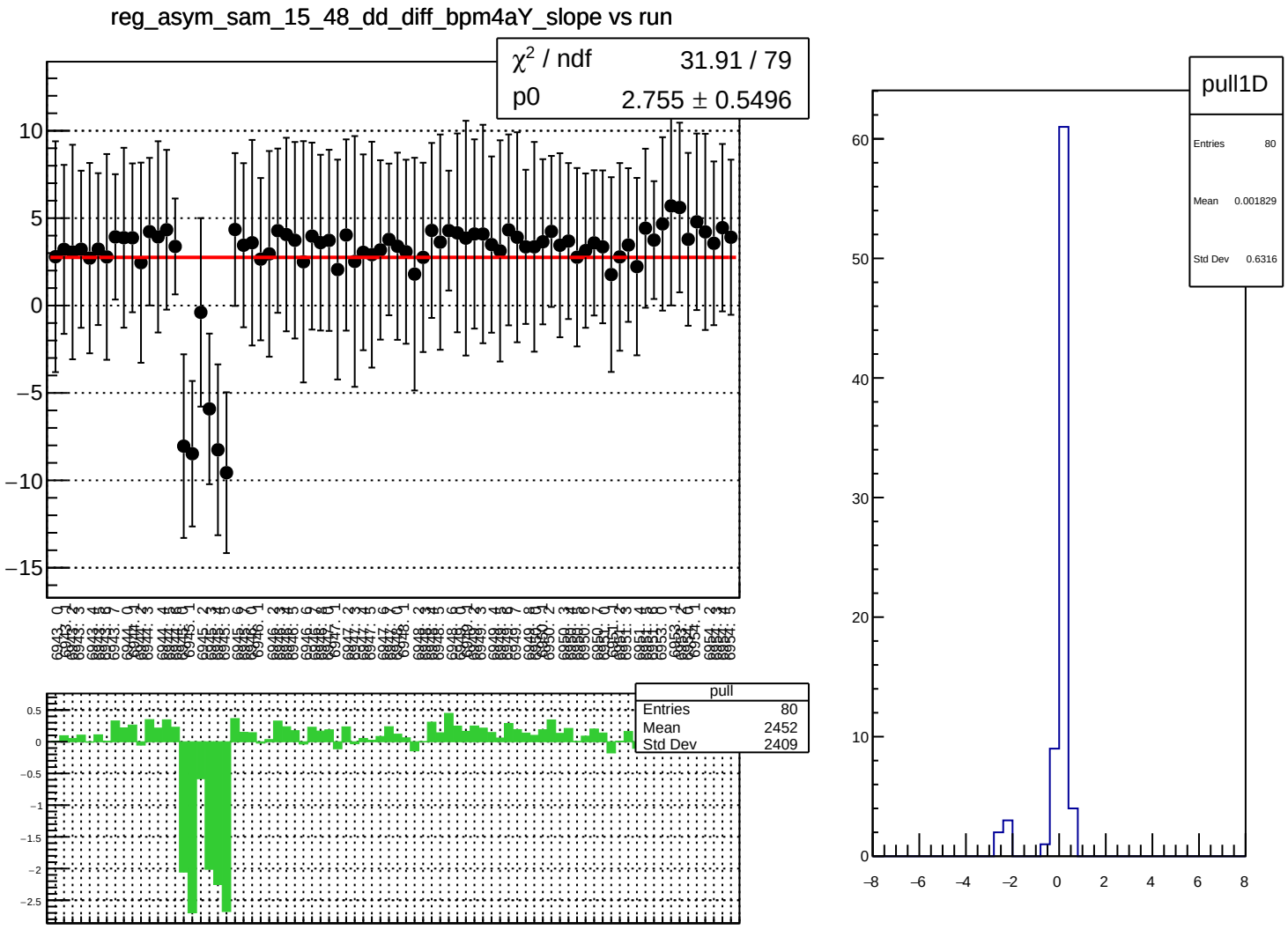

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.36 / 79
p0 −59.15 ± 0.8948
pull
Entries 80
Mean 91.45
Std Dev 44.85
pull1D
Entries 80
Mean −0.04698
Std Dev 0.6142

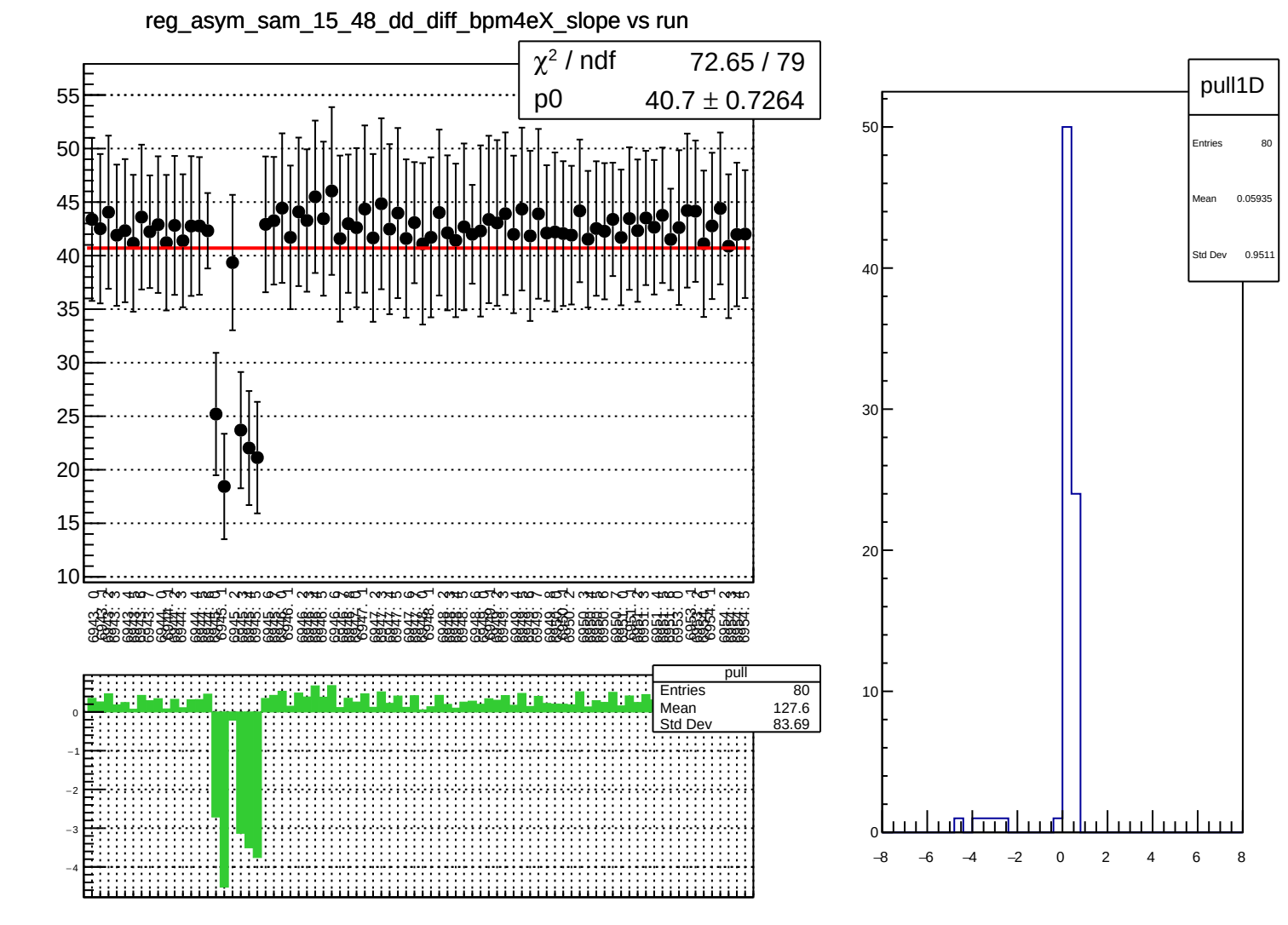

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.9 / 79
p0 −16.05 ± 0.7786
pull
Entries 80
Mean 298.1
Std Dev 257.3

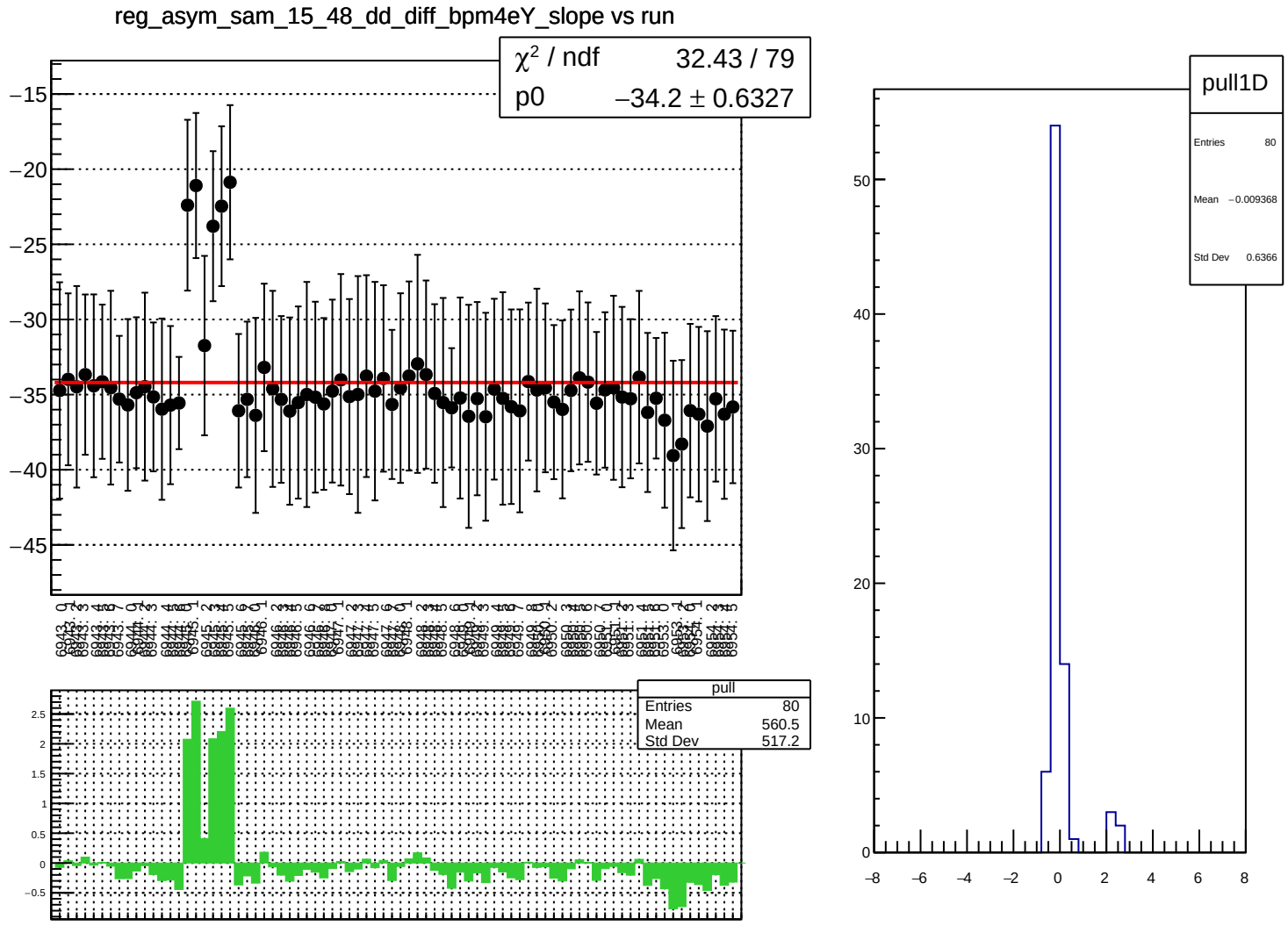

pull1D
Entries 80
Mean 0.01307
Std Dev 0.4313

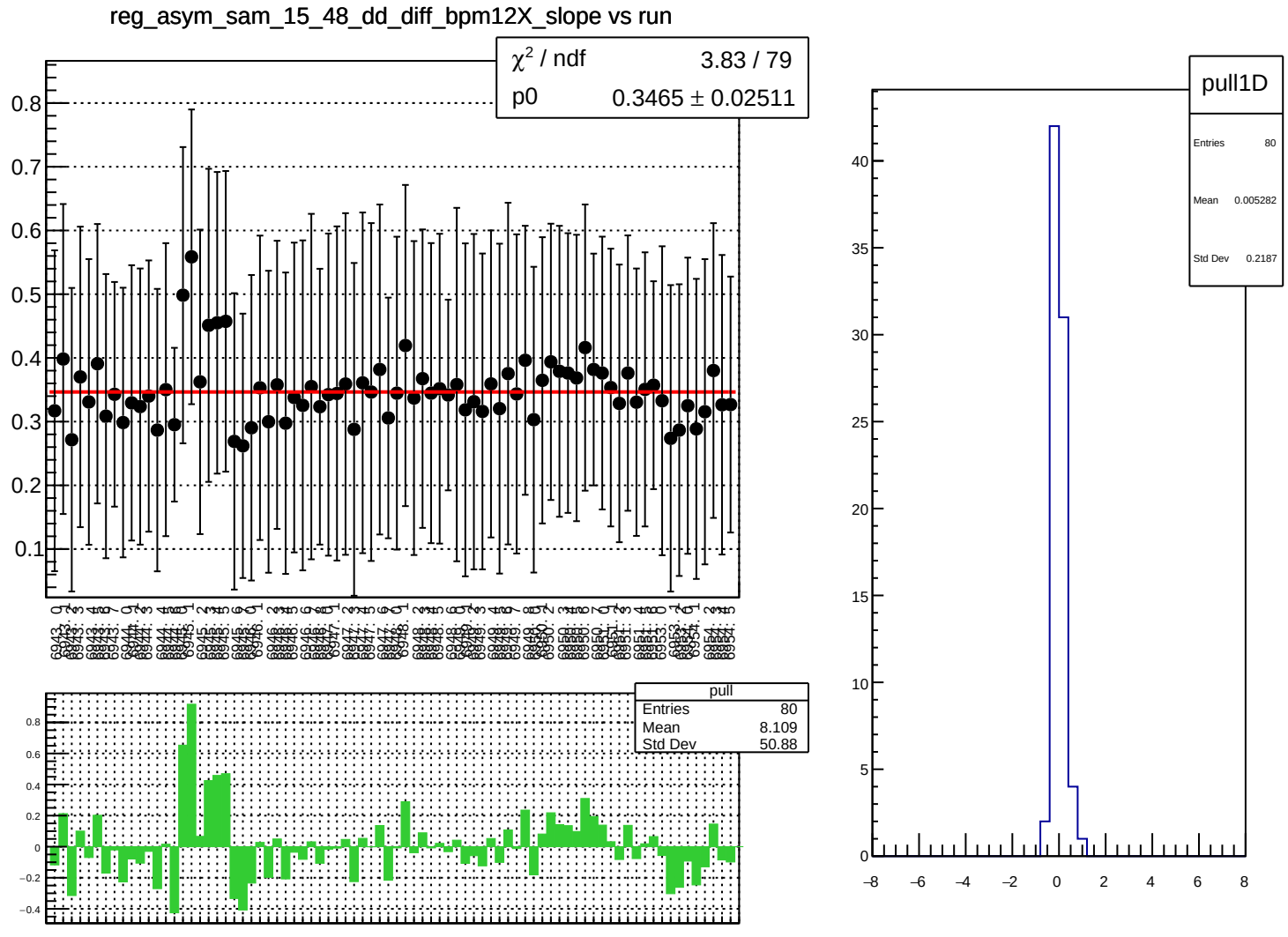

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.858 / 79
p0 0.4304 ± 0.03099
pull
Entries 80
Mean −208.1
Std Dev 254.9
pull1D
Entries 80
Mean −0.004378
Std Dev 0.189

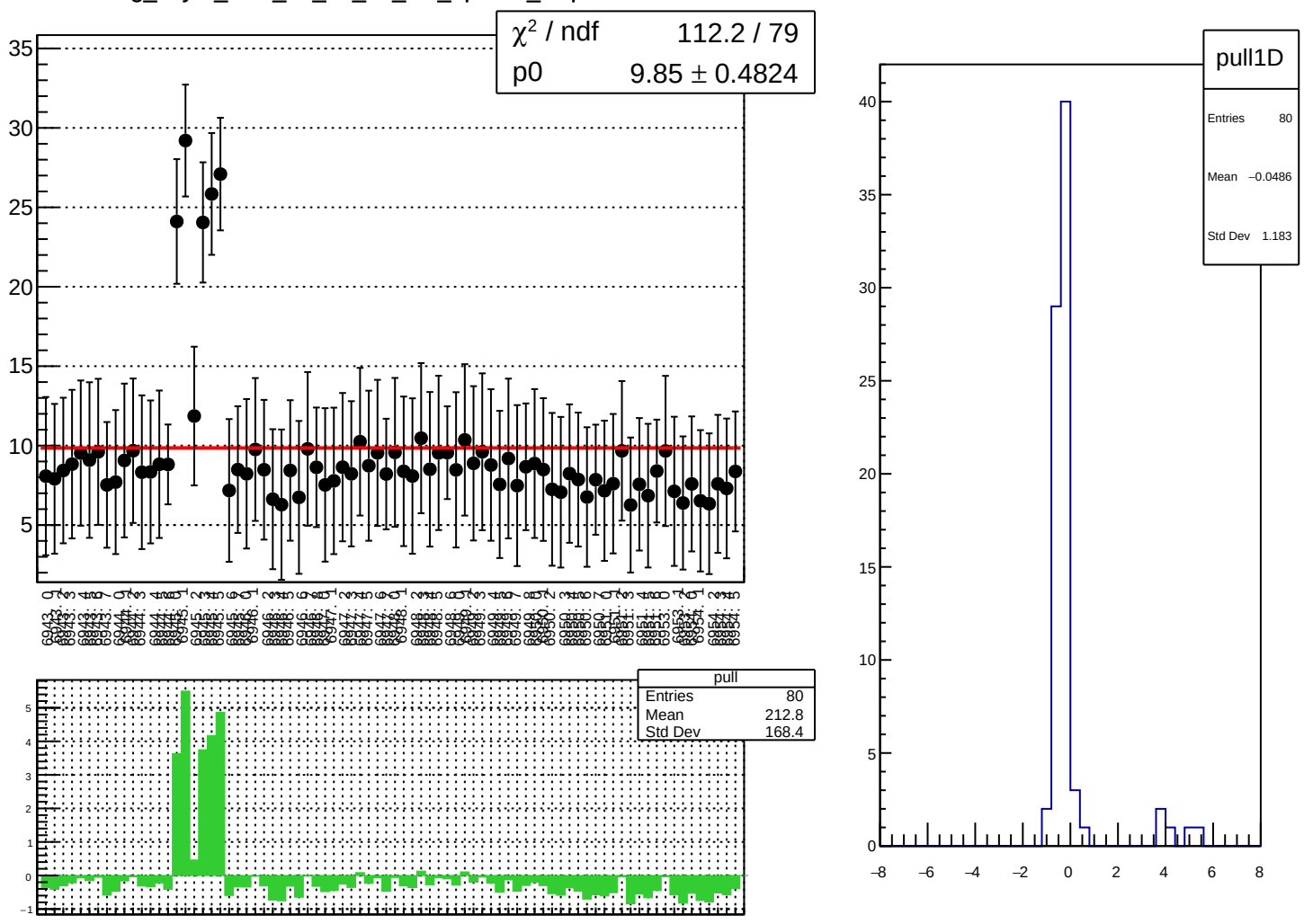

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 84.6 / 79
p0 13.06 ± 0.7781
pull
Entries 80
Mean 120.9
Std Dev 76.4
pull1D
Entries 80
Mean −0.06505
Std Dev 1.026

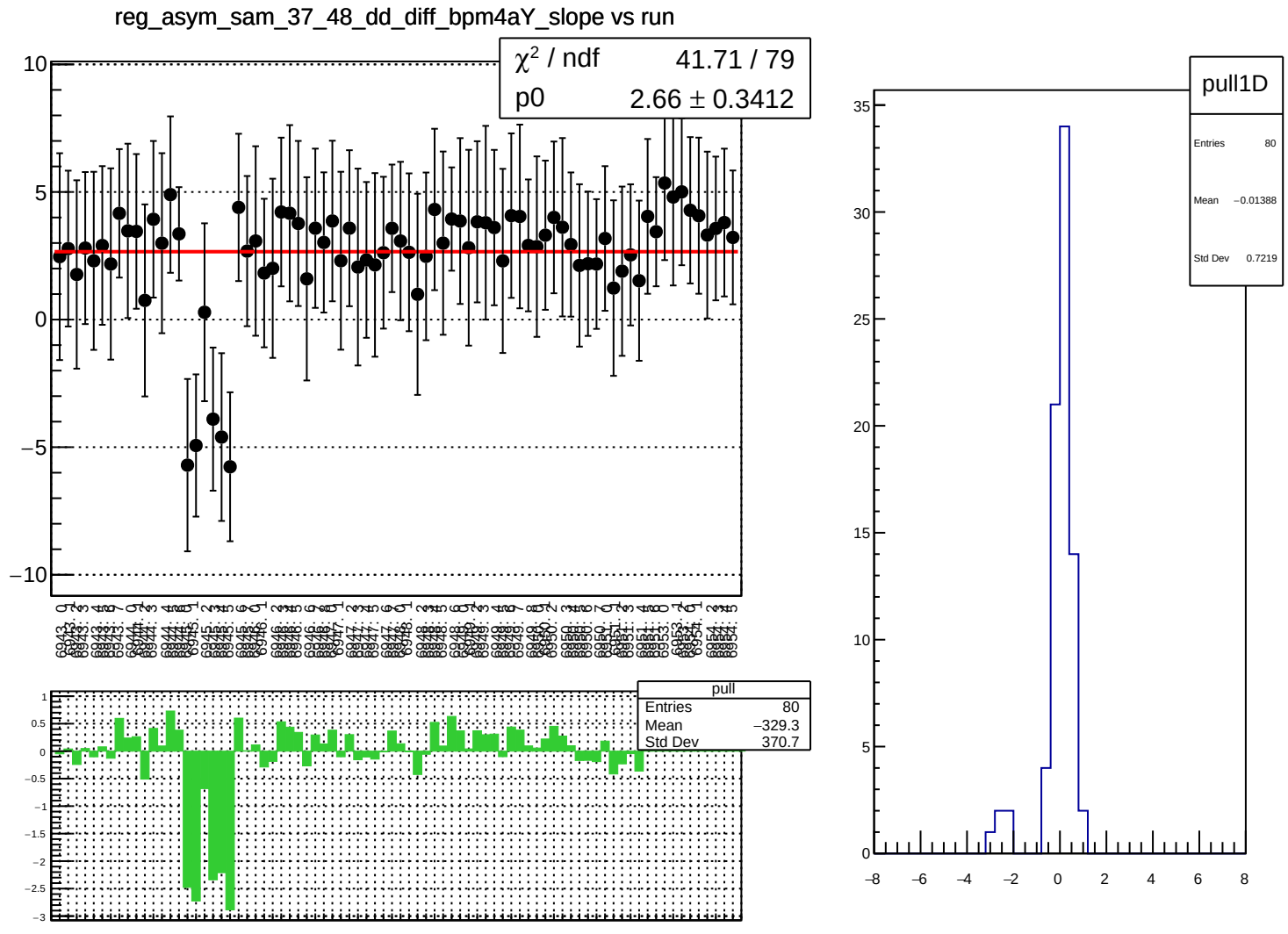

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.91 / 79
p0 2.755 ± 0.5496
pull
Entries 80
Mean 2452
Std Dev 2409
pull1D
Entries 80
Mean 0.001829
Std Dev 0.6316

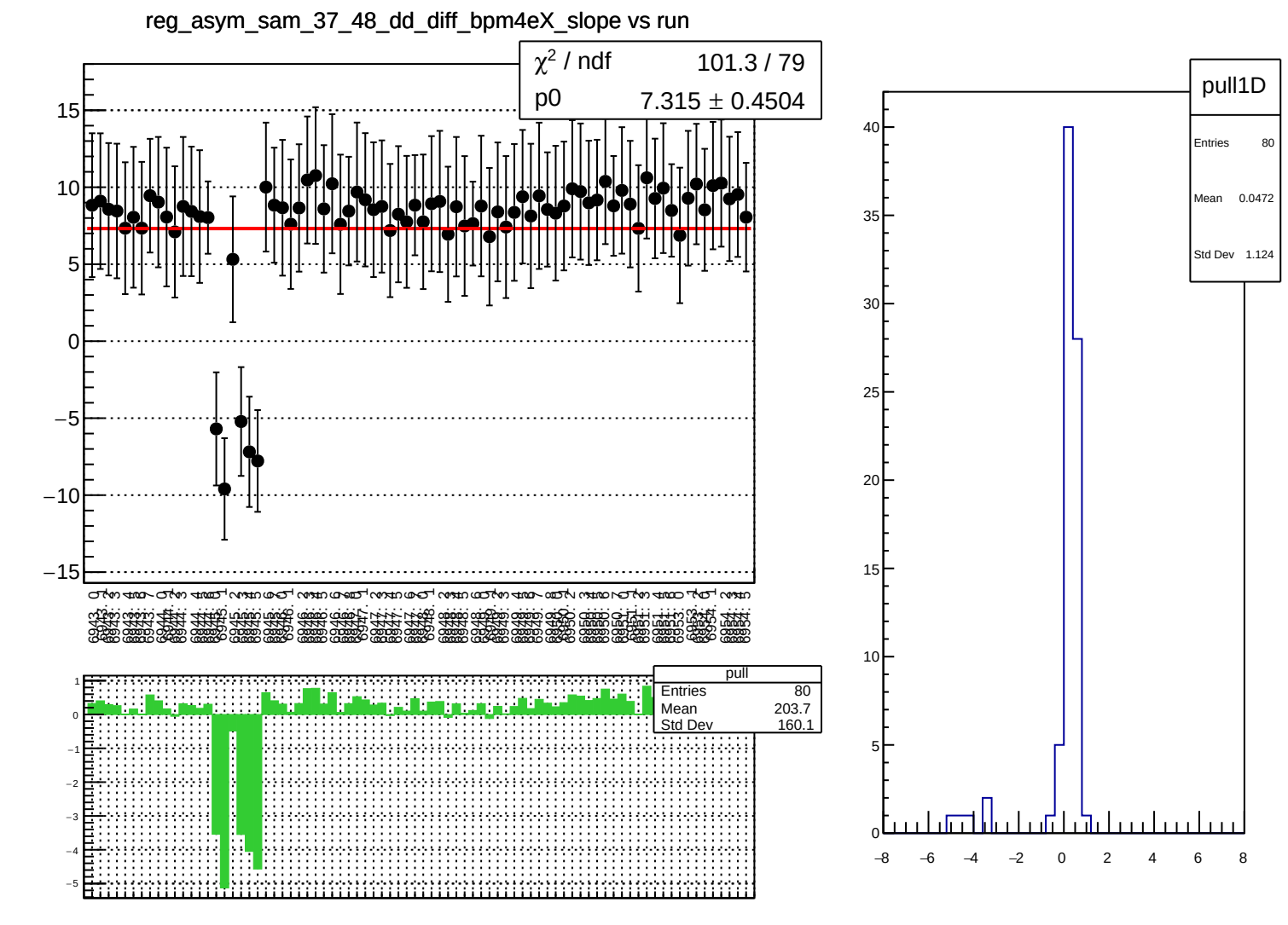

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.65 / 79
p0 40.7 ± 0.7264
pull
Entries 80
Mean 127.6
Std Dev 83.69
pull1D
Entries 80
Mean 0.05935
Std Dev 0.9511

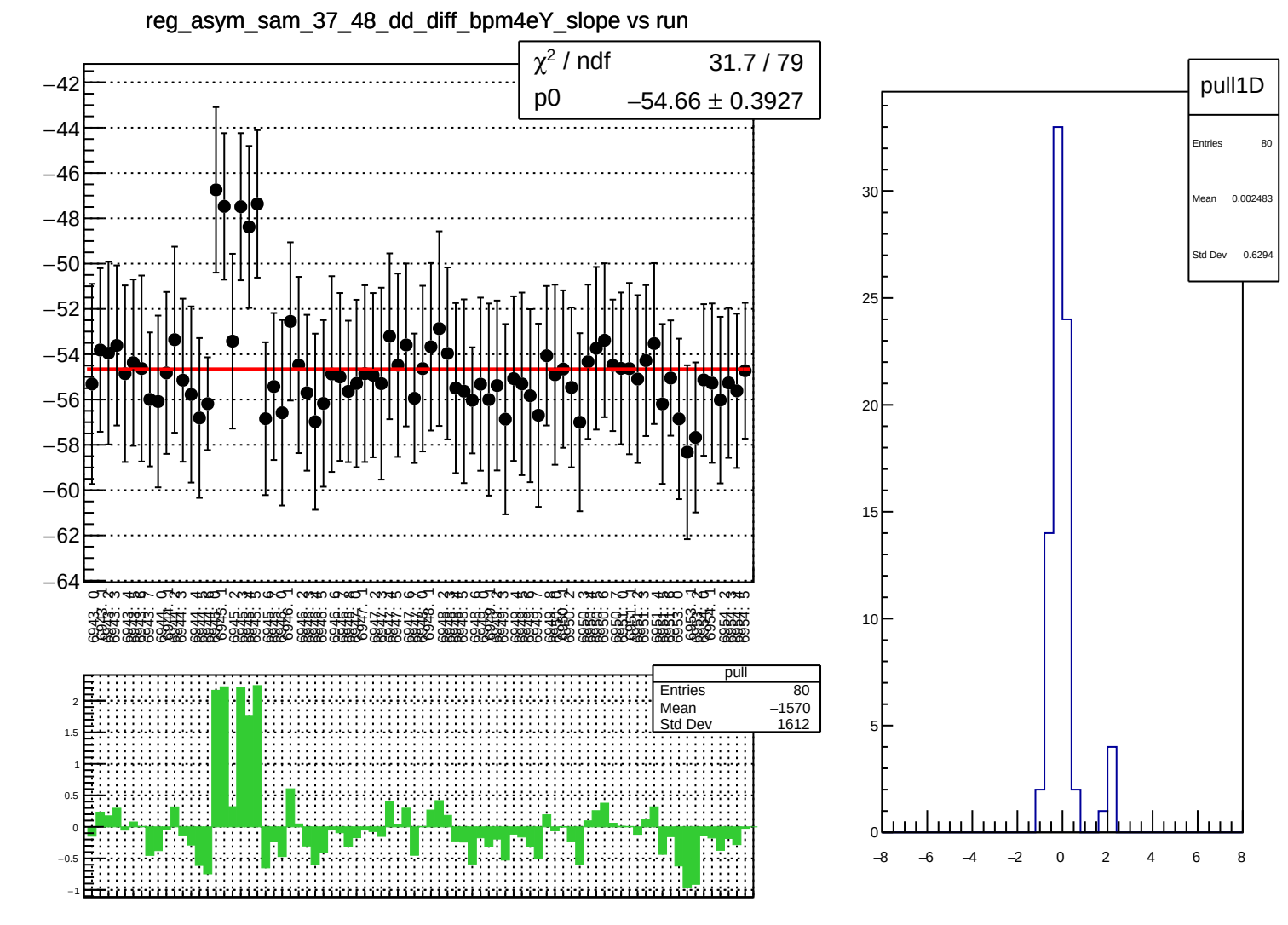

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.43 / 79
p0 −34.2 ± 0.6327
pull
Entries 80
Mean 560.5
Std Dev 517.2
pull1D
Entries 80
Mean −0.009368
Std Dev 0.6366

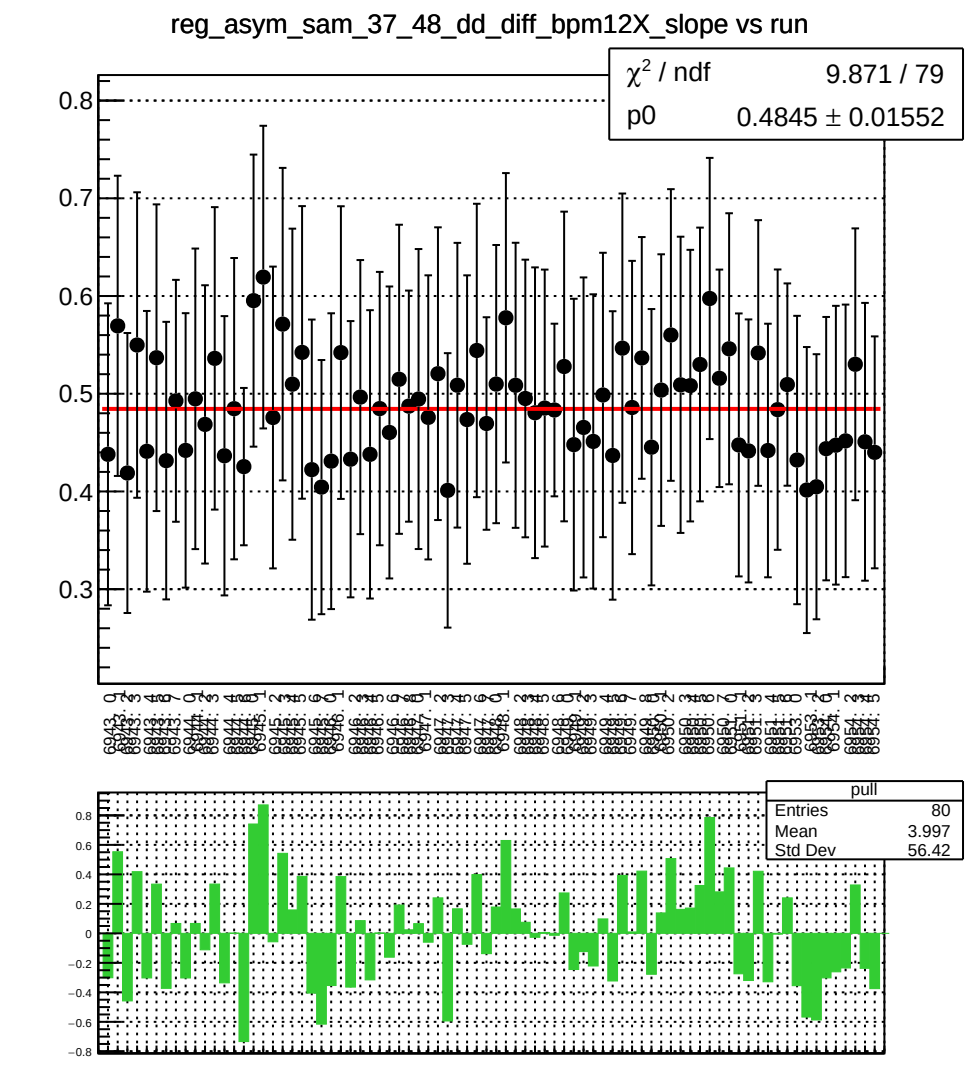

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.83 / 79
p0 0.3465 ± 0.02511
pull
Entries 80
Mean 8.109
Std Dev 50.88
pull1D
Entries 80
Mean 0.005282
Std Dev 0.2187

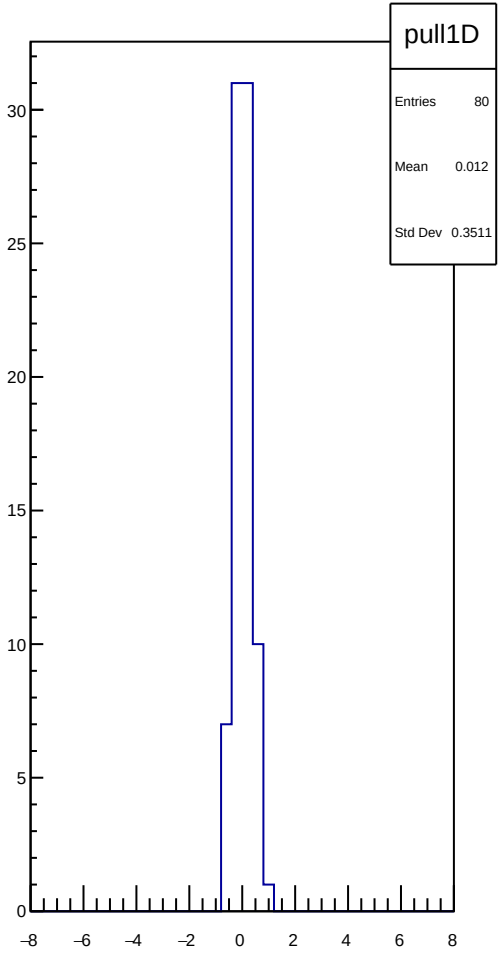

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 112.2 / 79
p0 9.85 ± 0.4824
pull
Entries 80
Mean 212.8
Std Dev 168.4
pull1D
Entries 80
Mean −0.0486
Std Dev 1.183

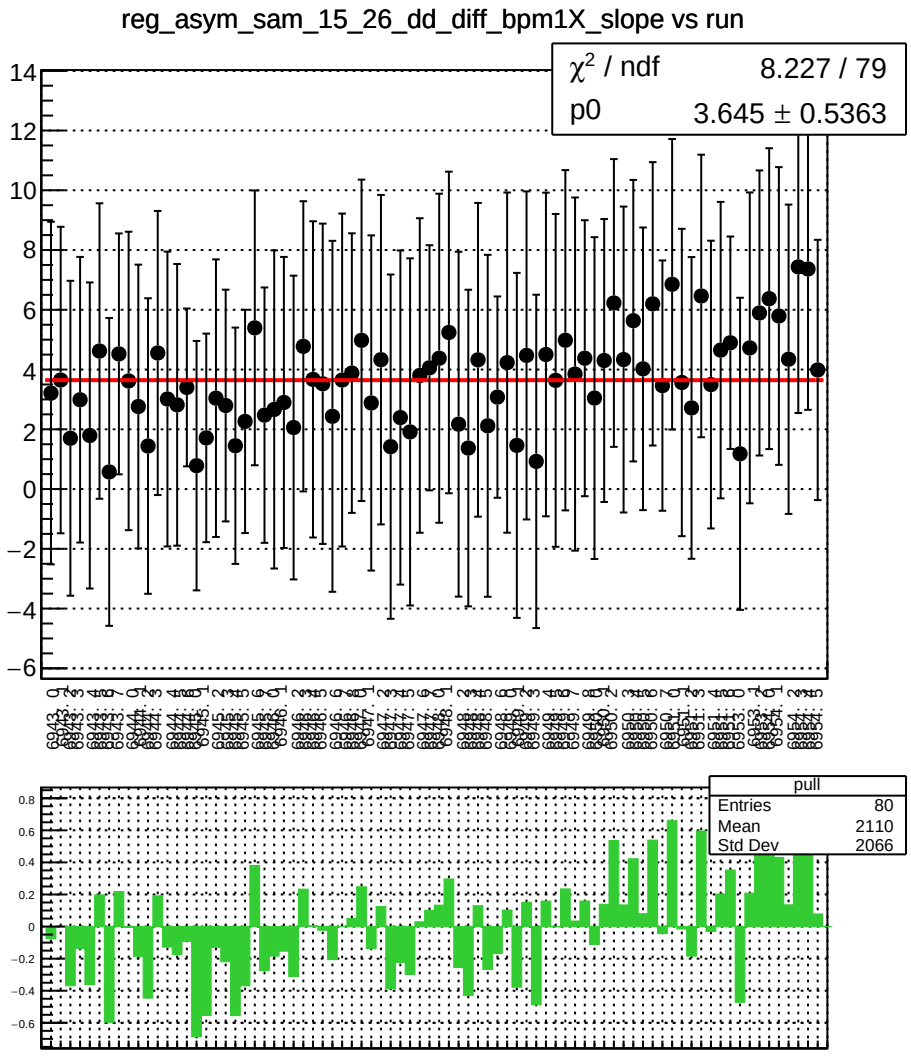

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.71 / 79
p0 2.66 ± 0.3412
pull
Entries 80
Mean −329.3
Std Dev 370.7
pull1D
Entries 80
Mean −0.01388
Std Dev 0.7219

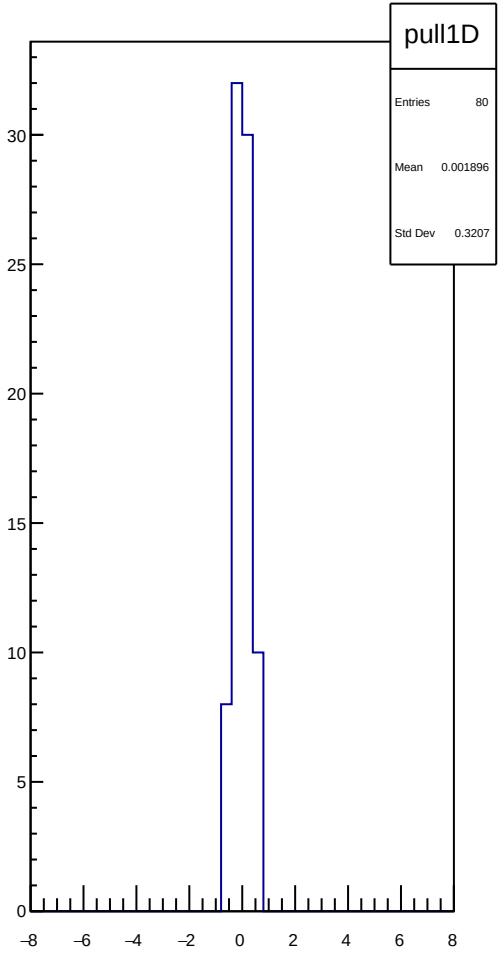

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 101.3 / 79
p0 7.315 ± 0.4504
pull
Entries 80
Mean 203.7
Std Dev 160.1
pull1D
Entries 80
Mean 0.0472
Std Dev 1.124

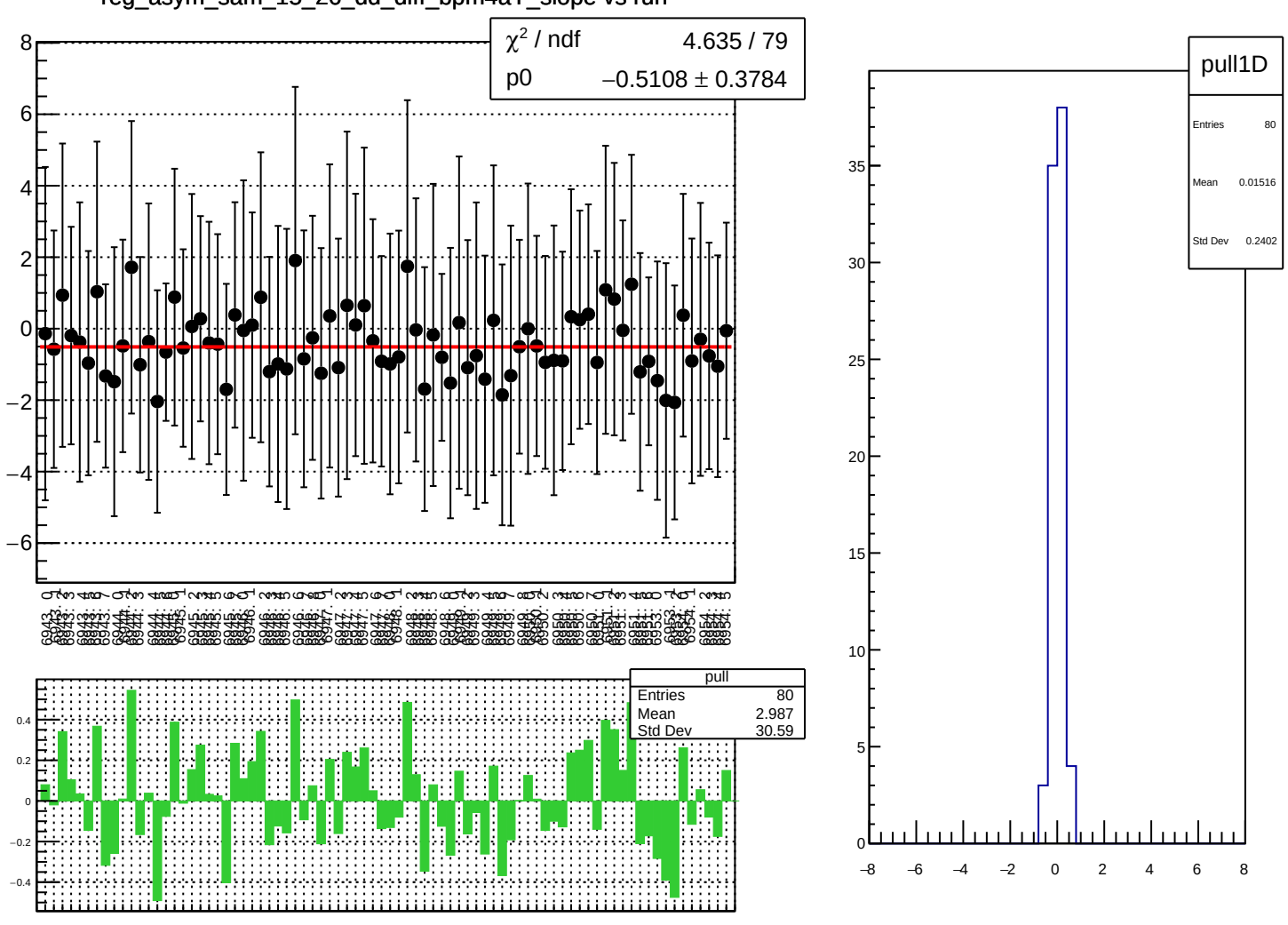

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.7 / 79
p0 −54.66 ± 0.3927
pull
Entries 80
Mean −1570
Std Dev 1612
pull1D
Entries 80
Mean 0.002483
Std Dev 0.6294

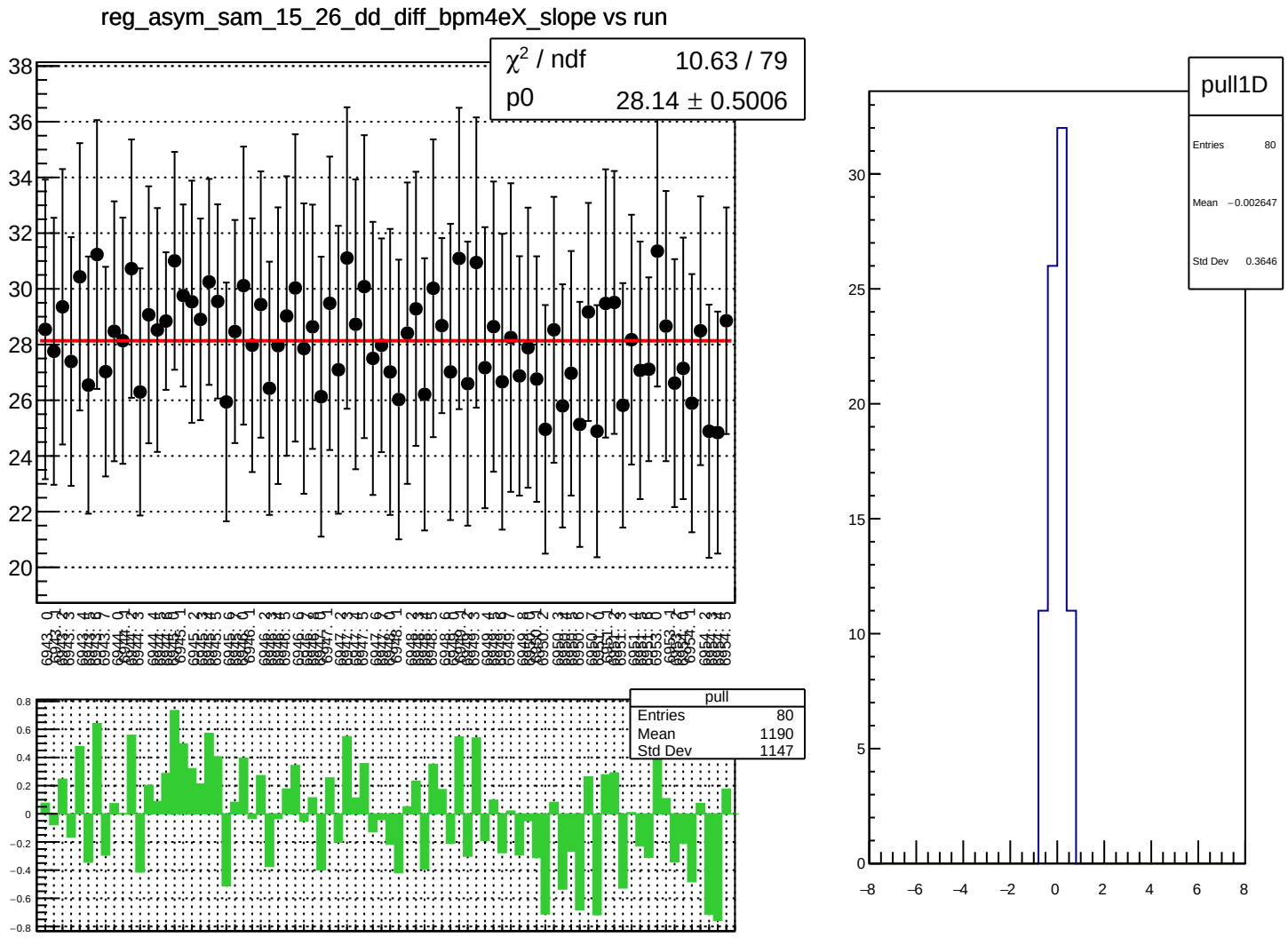

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.871 / 79
p0 0.4845 ± 0.01552
pull
Entries 80
Mean 3.997
Std Dev 56.42

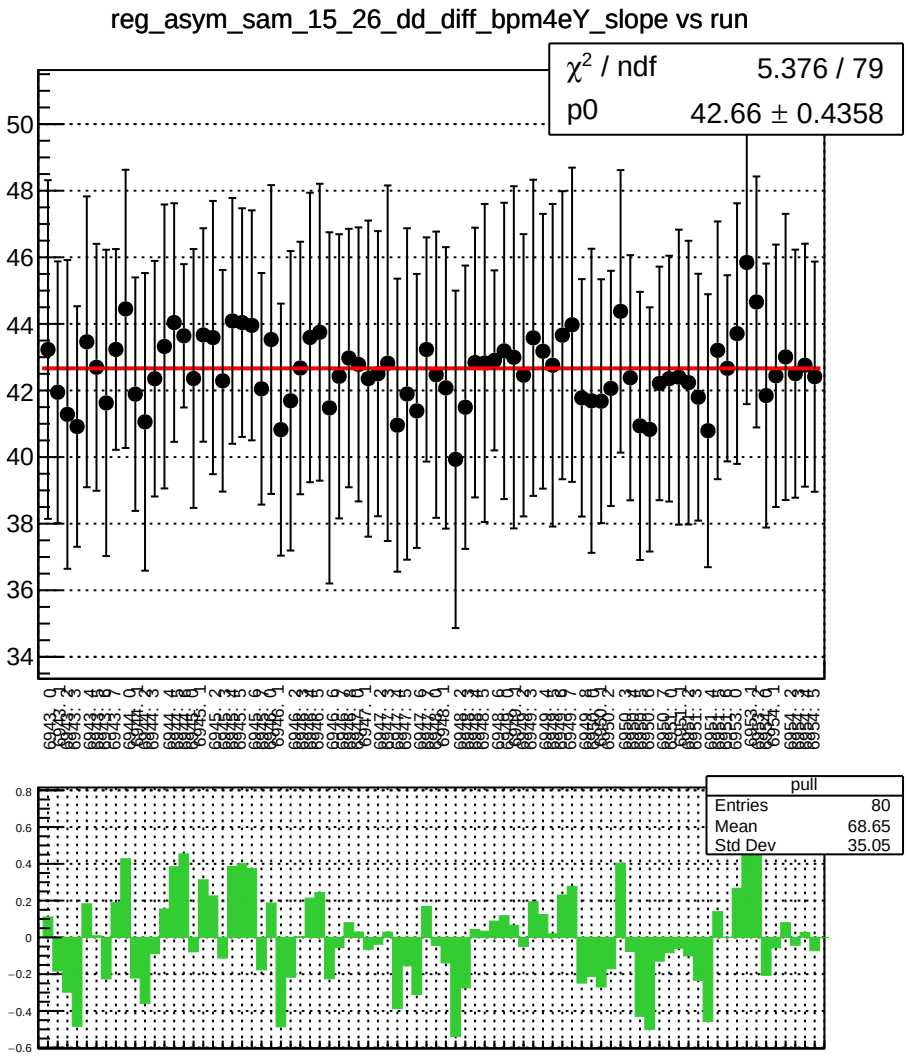

pull1D
Entries 80
Mean 0.012
Std Dev 0.3511

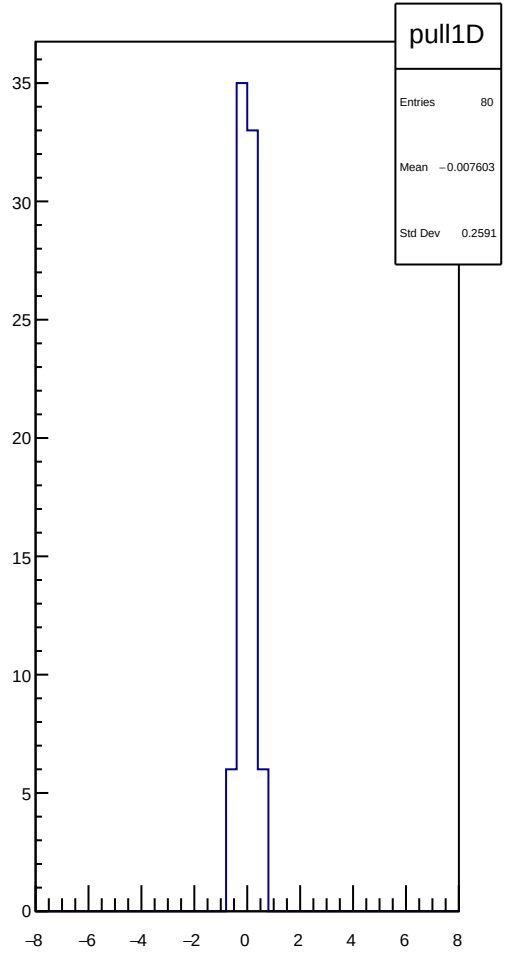

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 8.227 / 79
p0 3.645 ± 0.5363
pull
Entries 80
Mean 2110
Std Dev 2066

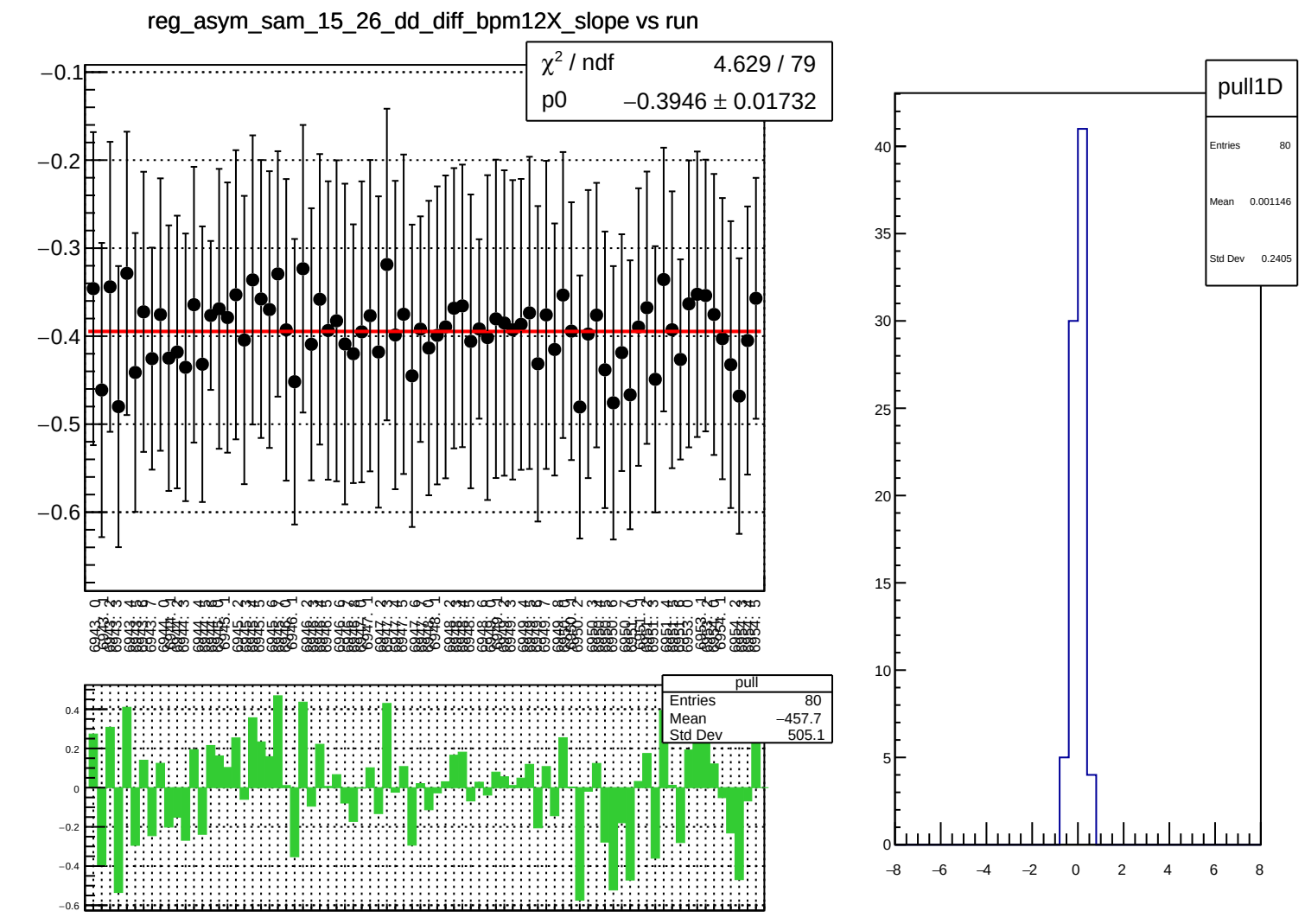

pull1D
Entries 80
Mean 0.001896
Std Dev 0.3207

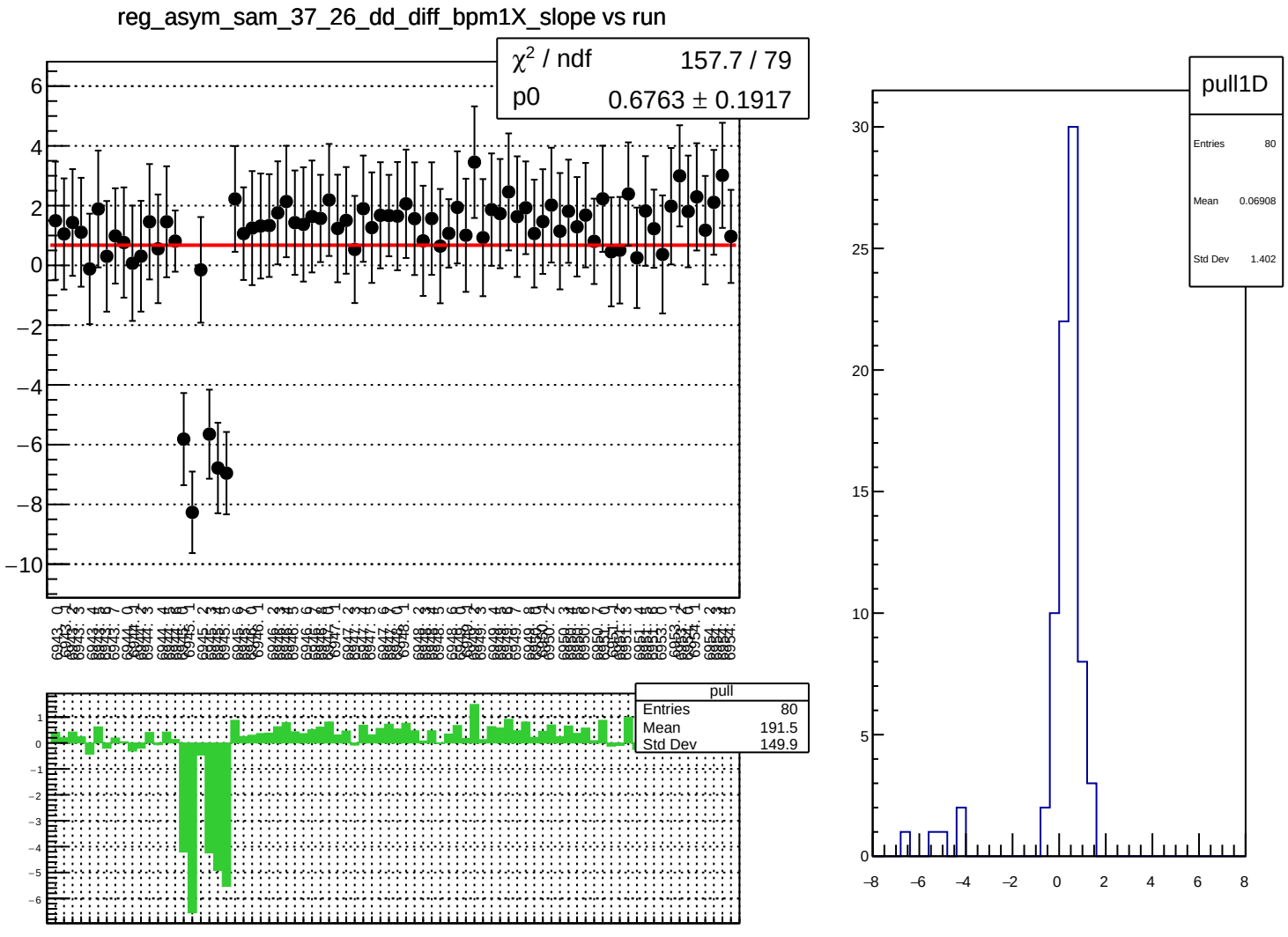

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.635 / 79
p0 −0.5108 ± 0.3784
pull
Entries 80
Mean 2.987
Std Dev 30.59
pull1D
Entries 80
Mean 0.01516
Std Dev 0.2402

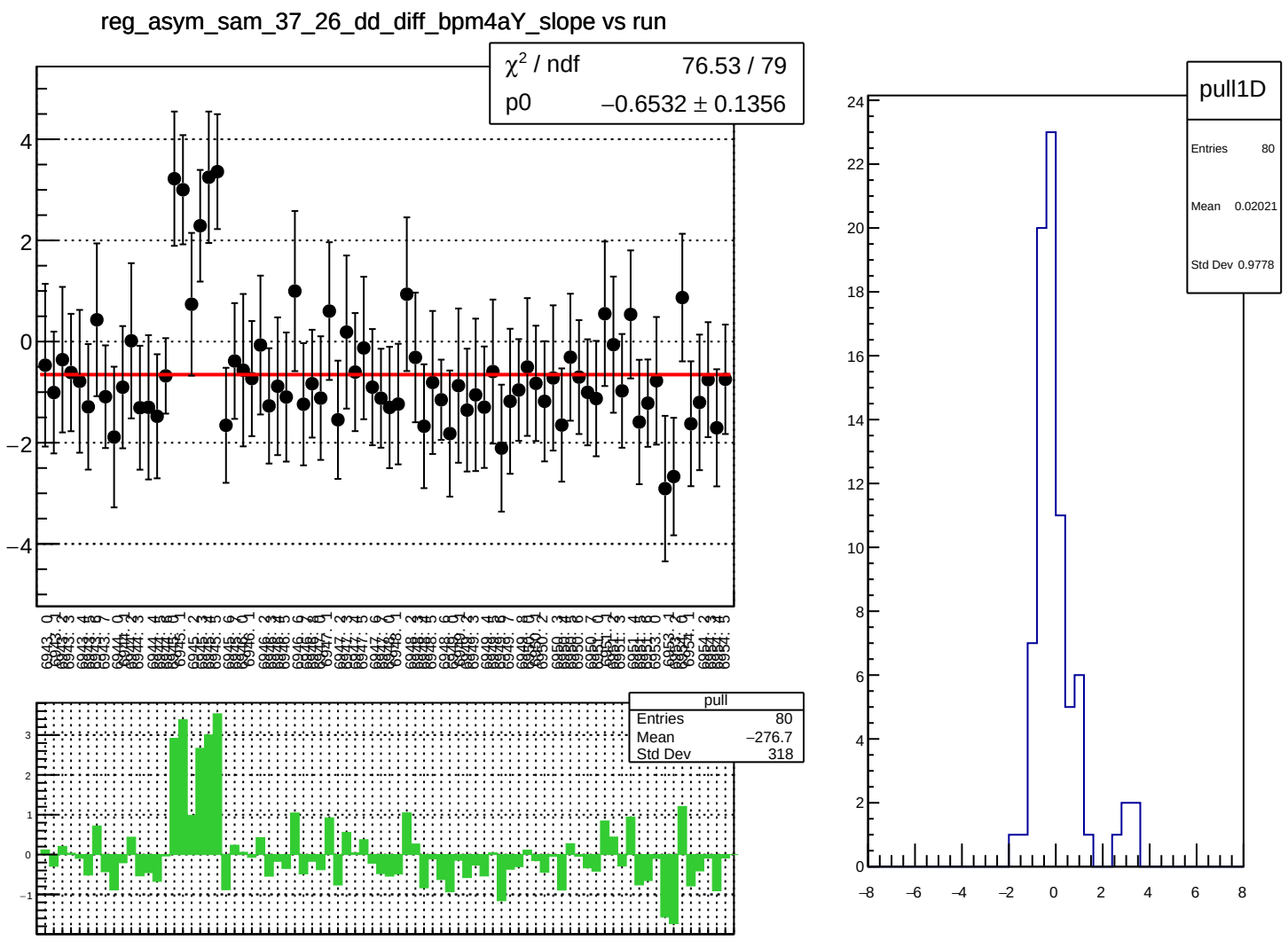

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.63 / 79
p0 28.14 ± 0.5006
pull
Entries 80
Mean 1190
Std Dev 1147
pull1D
Entries 80
Mean −0.002647
Std Dev 0.3646

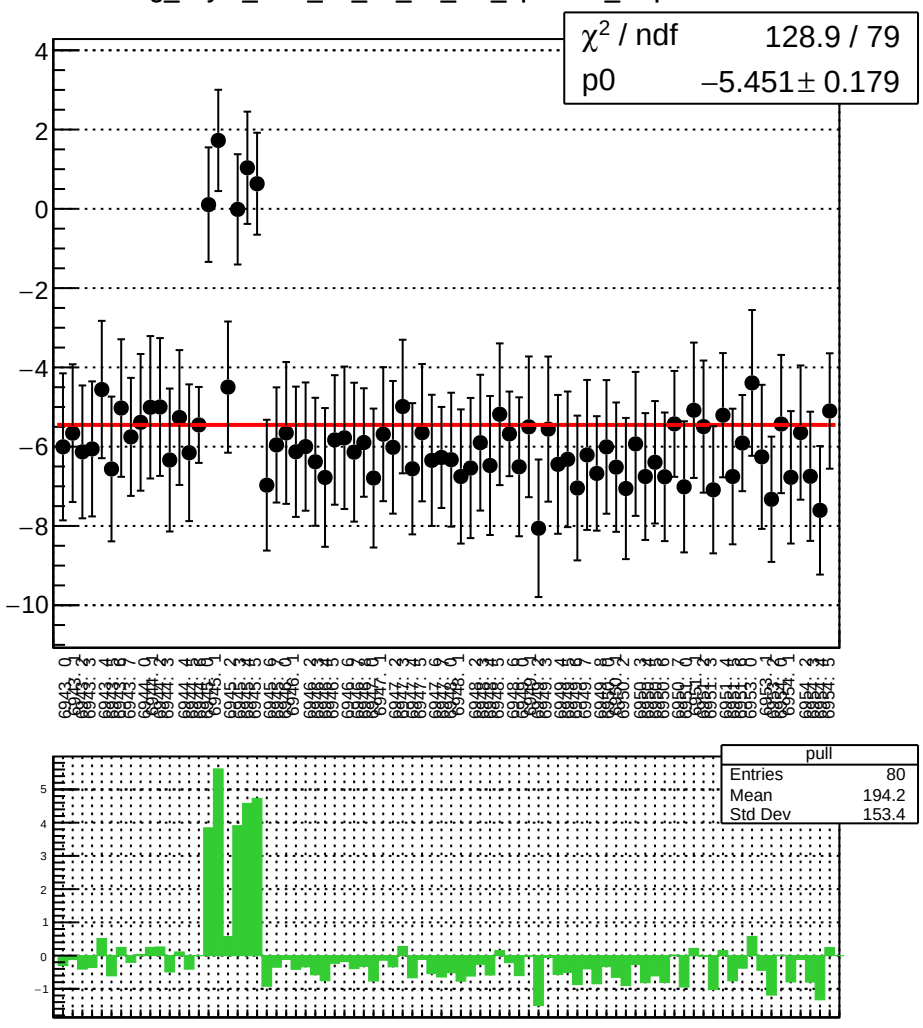

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.376 / 79
p0 42.66 ± 0.4358
pull
Entries 80
Mean 68.65
Std Dev 35.05

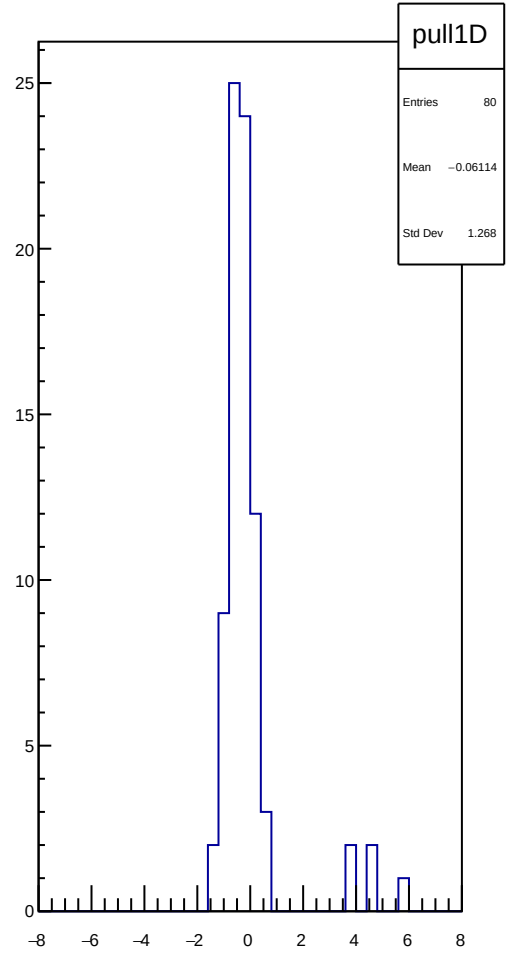

pull1D
Entries 80
Mean −0.007603
Std Dev 0.2591

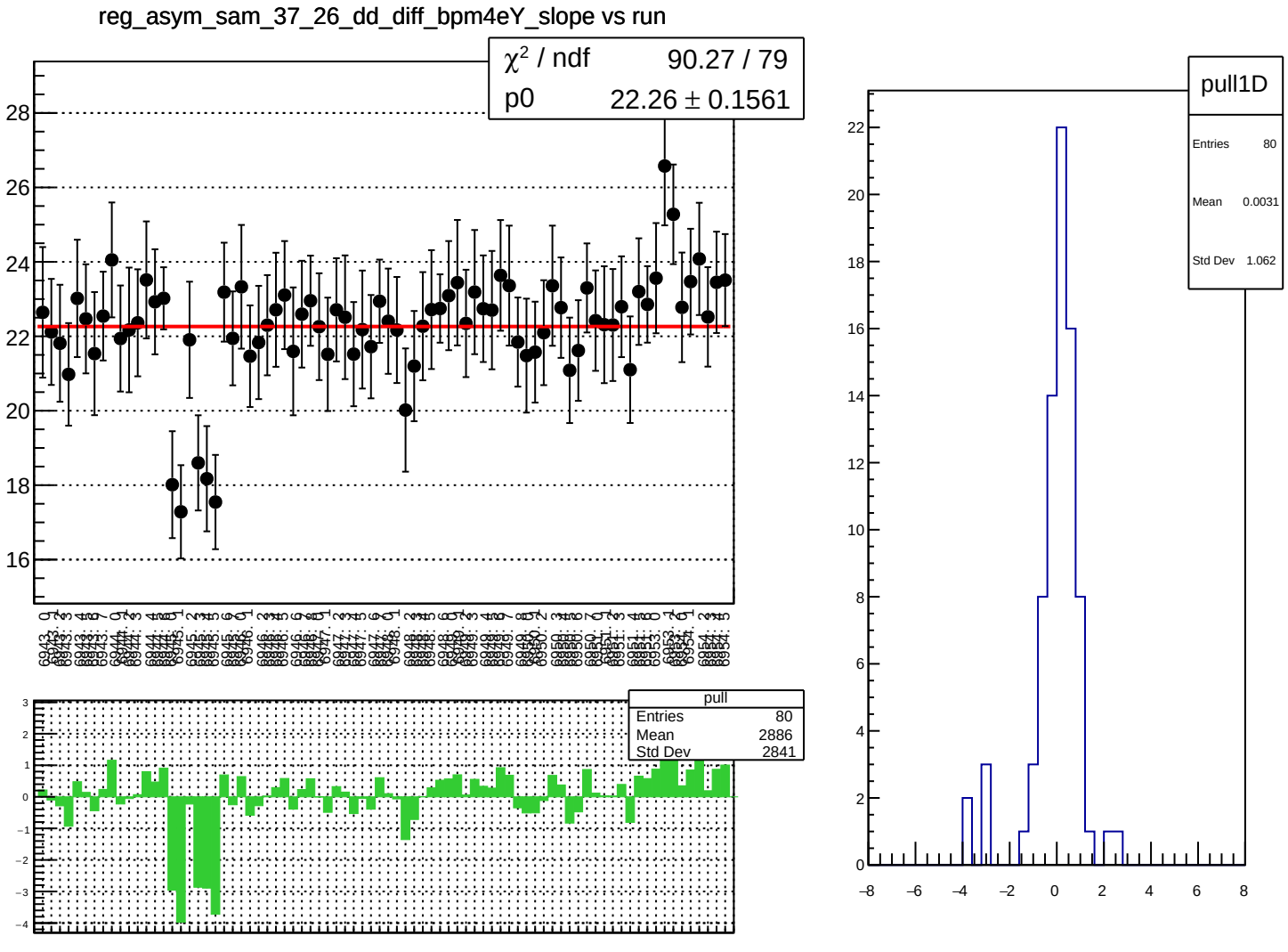

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 4.629 / 79
p0 −0.3946 ± 0.01732
pull
Entries 80
Mean −457.7
Std Dev 505.1
pull1D
Entries 80
Mean 0.001146
Std Dev 0.2405

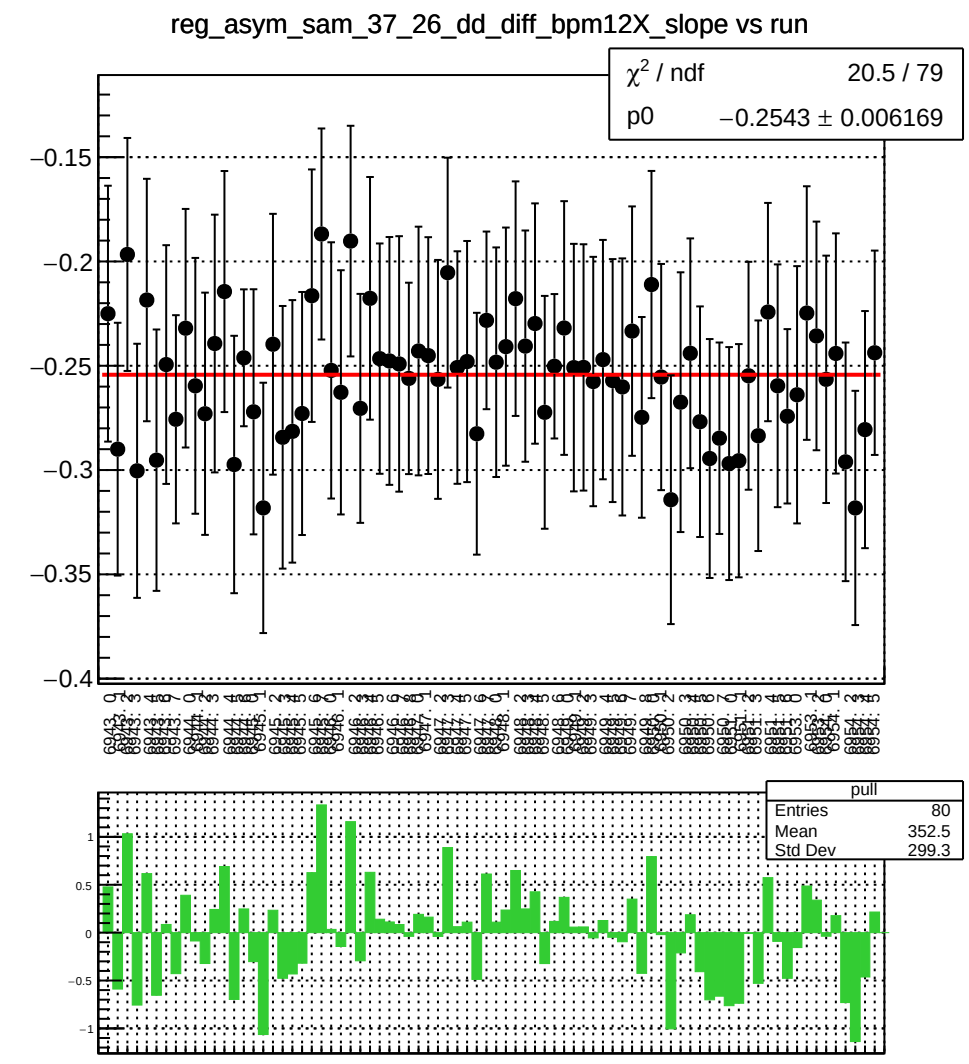

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 157.7 / 79
p0 0.6763 ± 0.1917
pull
Entries 80
Mean 191.5
Std Dev 149.9
pull1D
Entries 80
Mean 0.06908
Std Dev 1.402

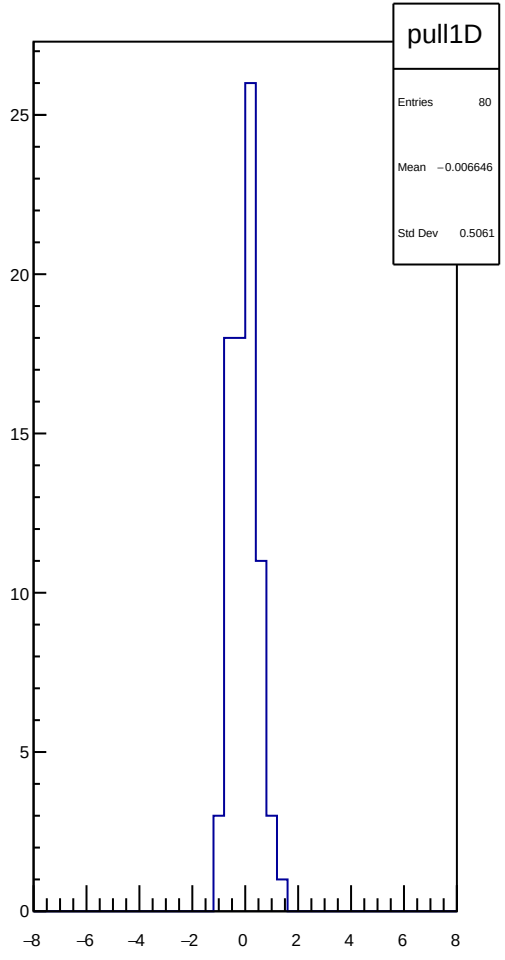

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.53 / 79
p0 −0.6532 ± 0.1356
pull
Entries 80
Mean −276.7
Std Dev 318
pull1D
Entries 80
Mean 0.02021
Std Dev 0.9778

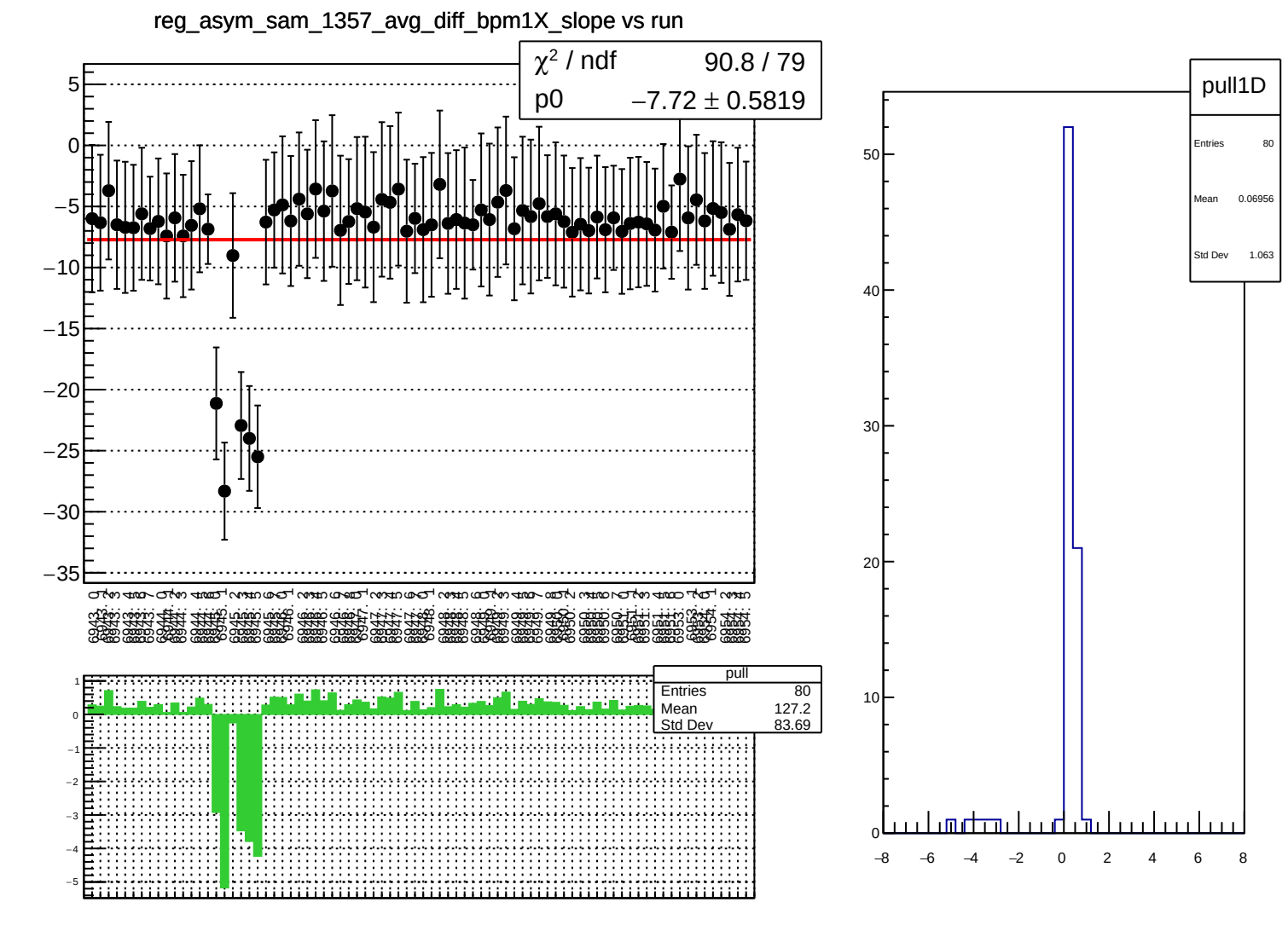

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 128.9 / 79
p0 −5.451 ± 0.179
pull
Entries 80
Mean 194.2
Std Dev 153.4

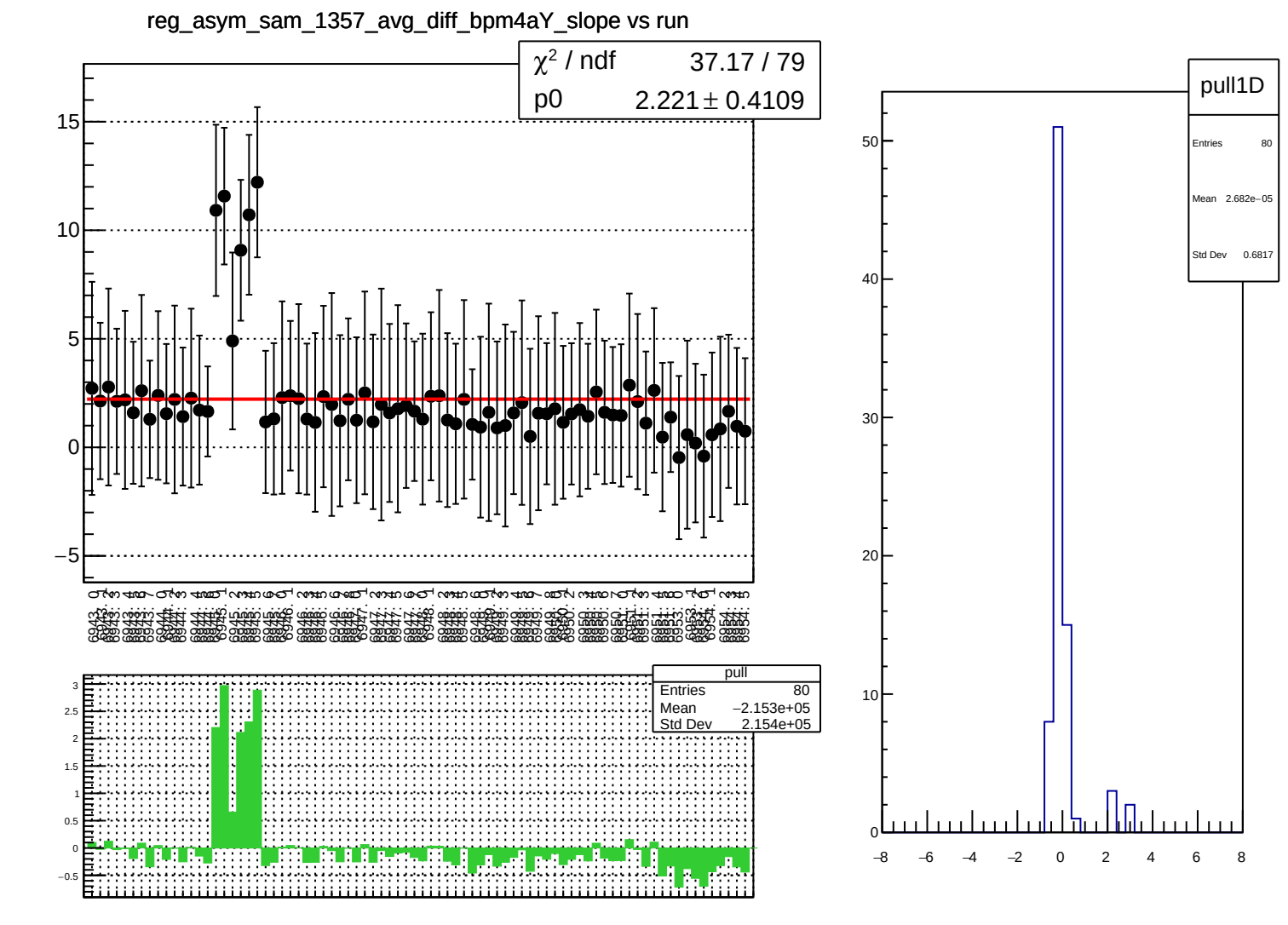

pull1D
Entries 80
Mean −0.06114
Std Dev 1.268

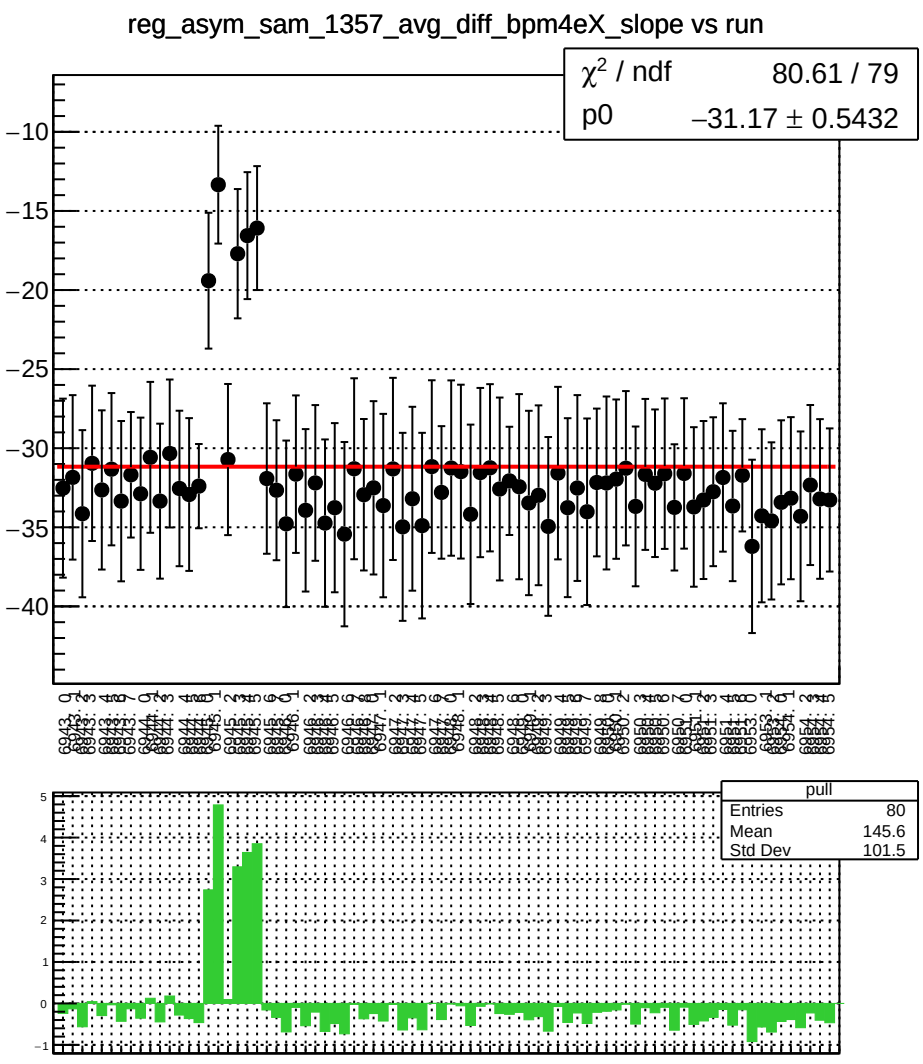

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.27 / 79
p0 22.26 ± 0.1561
pull
Entries 80
Mean 2886
Std Dev 2841
pull1D
Entries 80
Mean 0.0031
Std Dev 1.062

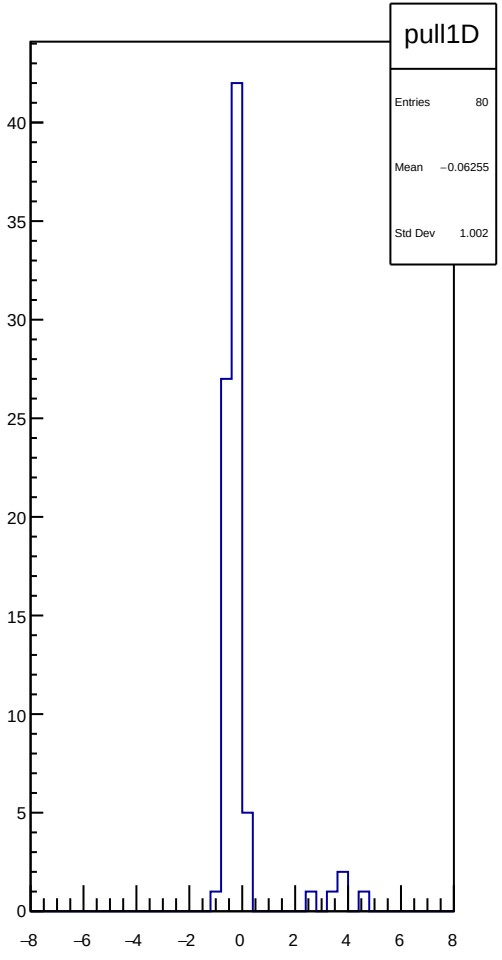

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 20.5 / 79
p0 −0.2543 ± 0.006169
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull
Entries 80
Mean 352.5
Std Dev 299.3
1
0.5
0
−0.5
−1

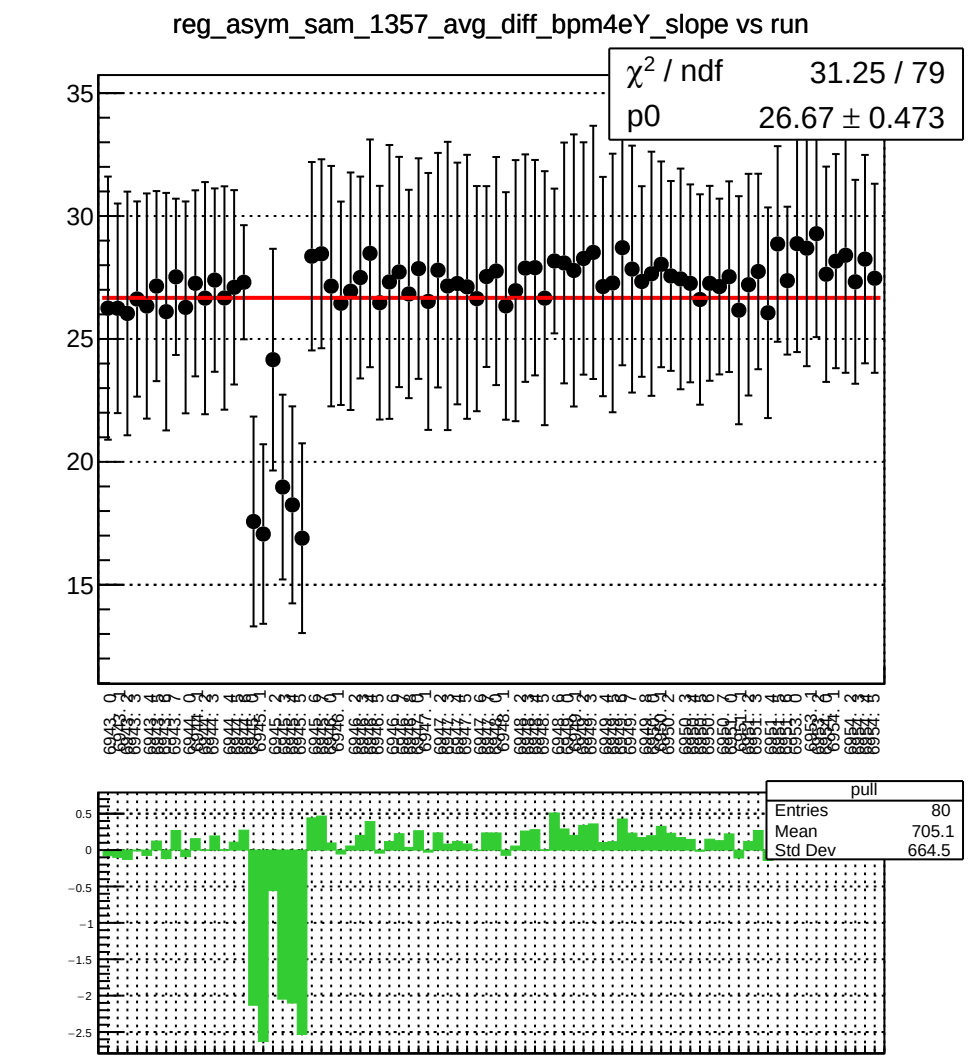

pull1D
Entries 80
Mean −0.006646
Std Dev 0.5061
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

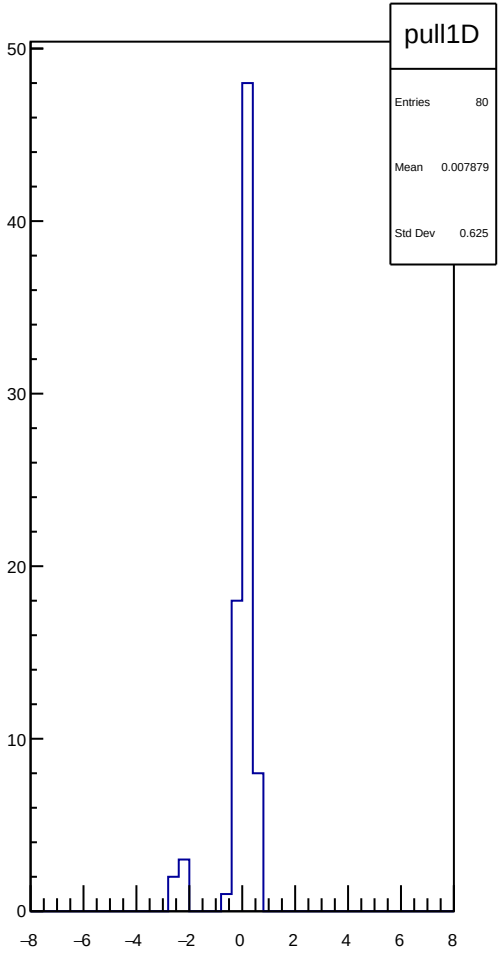

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 90.8 / 79
p0 −7.72 ± 0.5819
pull
Entries 80
Mean 127.2
Std Dev 83.69
pull1D
Entries 80
Mean 0.06956
Std Dev 1.063

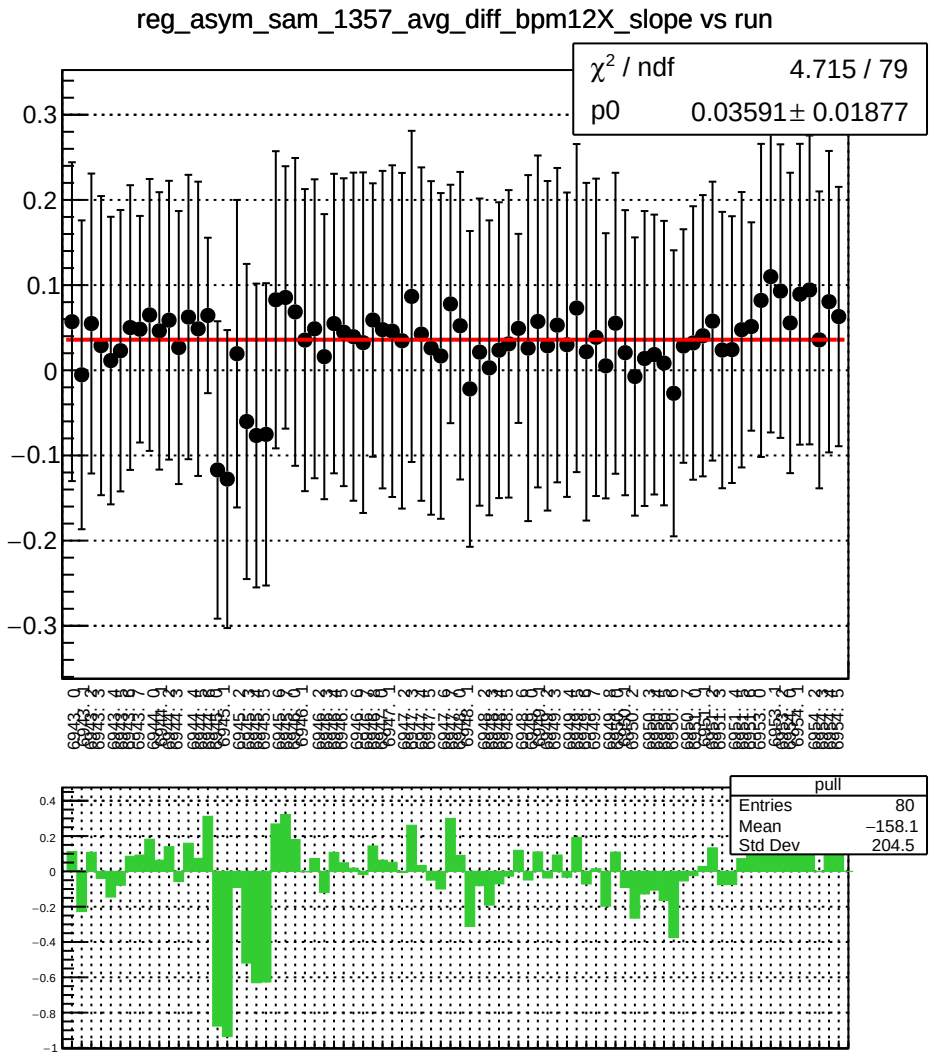

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.17 / 79
p0 2.221 ± 0.4109
pull
Entries 80
Mean −2.153e+05
Std Dev 2.154e+05
pull1D
Entries 80
Mean 2.682e−05
Std Dev 0.6817

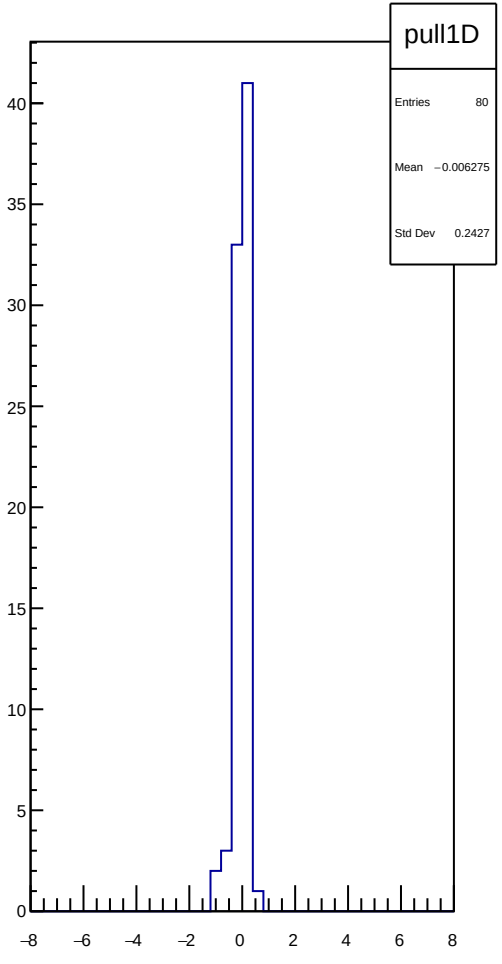

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.61 / 79
p0 −31.17 ± 0.5432
pull
Entries 80
Mean 145.6
Std Dev 101.5

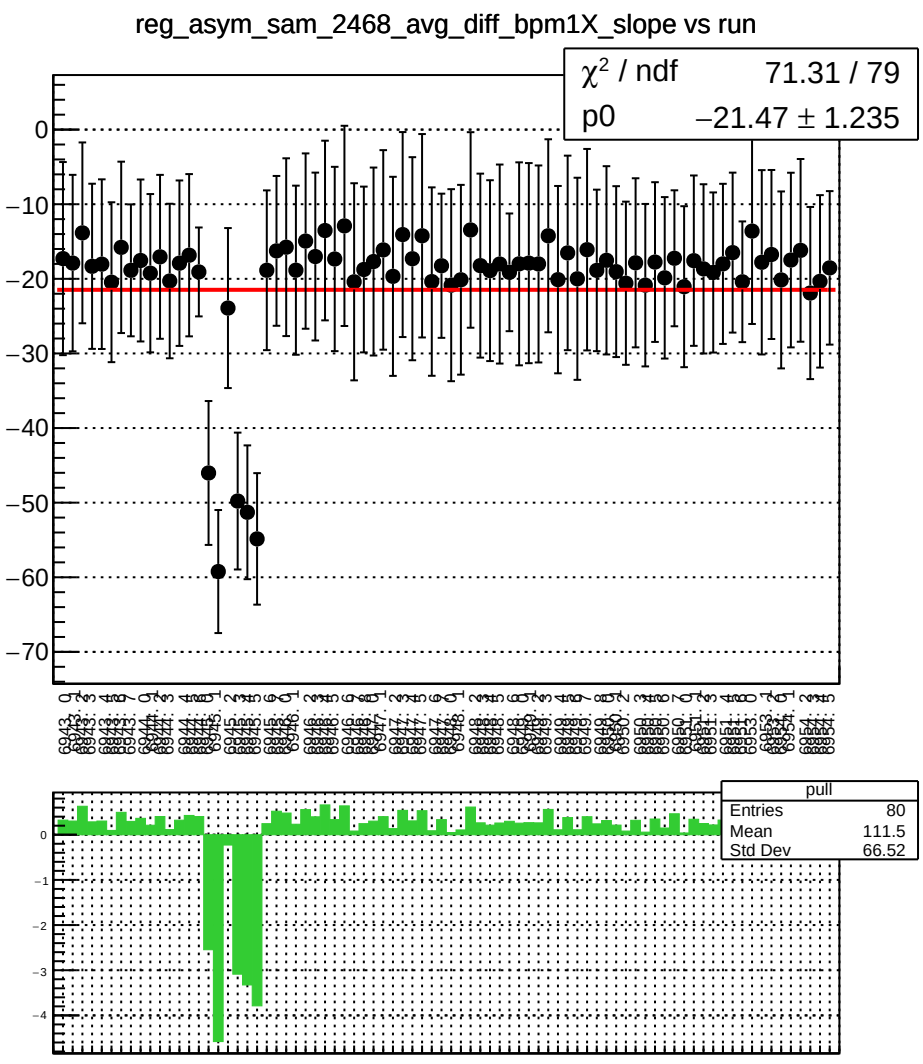

pull1D
Entries 80
Mean −0.06255
Std Dev 1.002

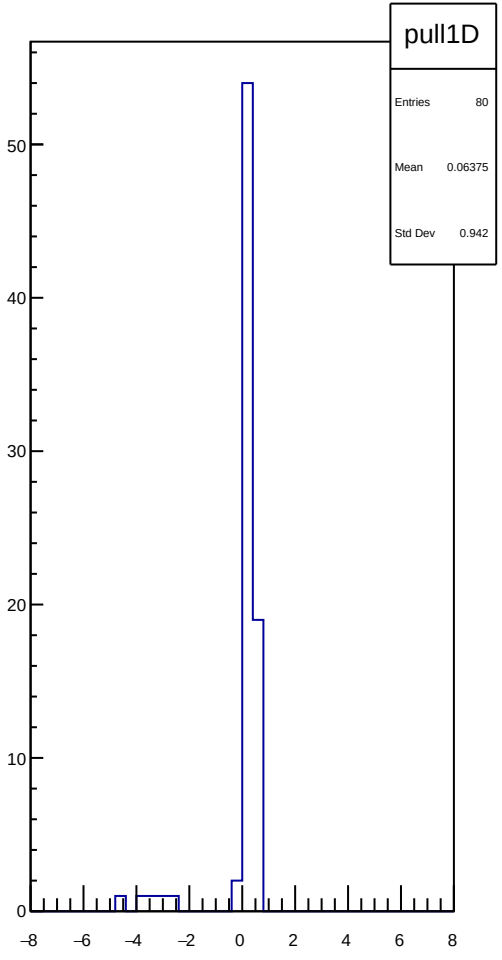

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.25 / 79
p0 26.67 ± 0.473
pull
Entries 80
Mean 705.1
Std Dev 664.5

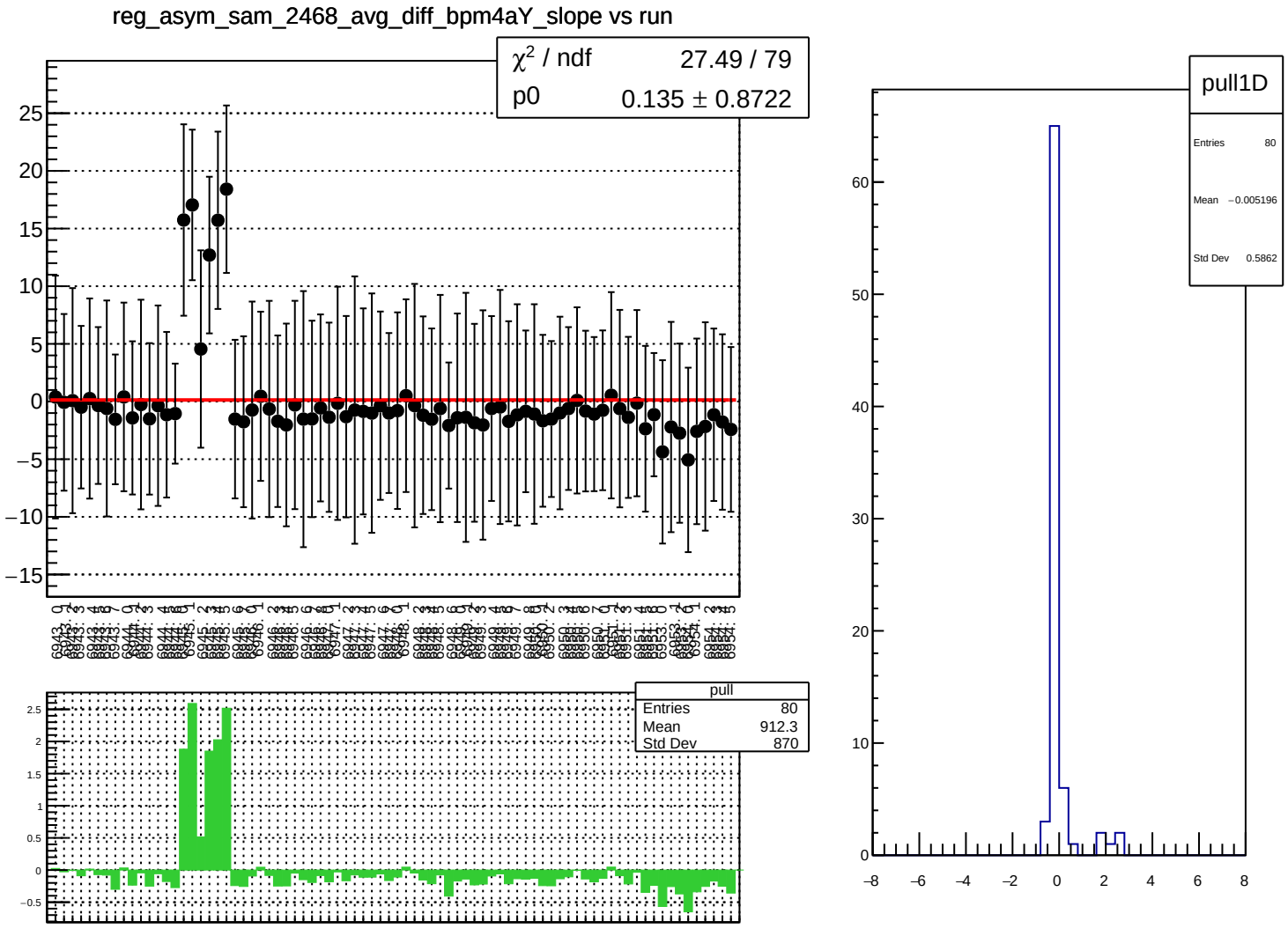

pull1D
Entries 80
Mean 0.007879
Std Dev 0.625

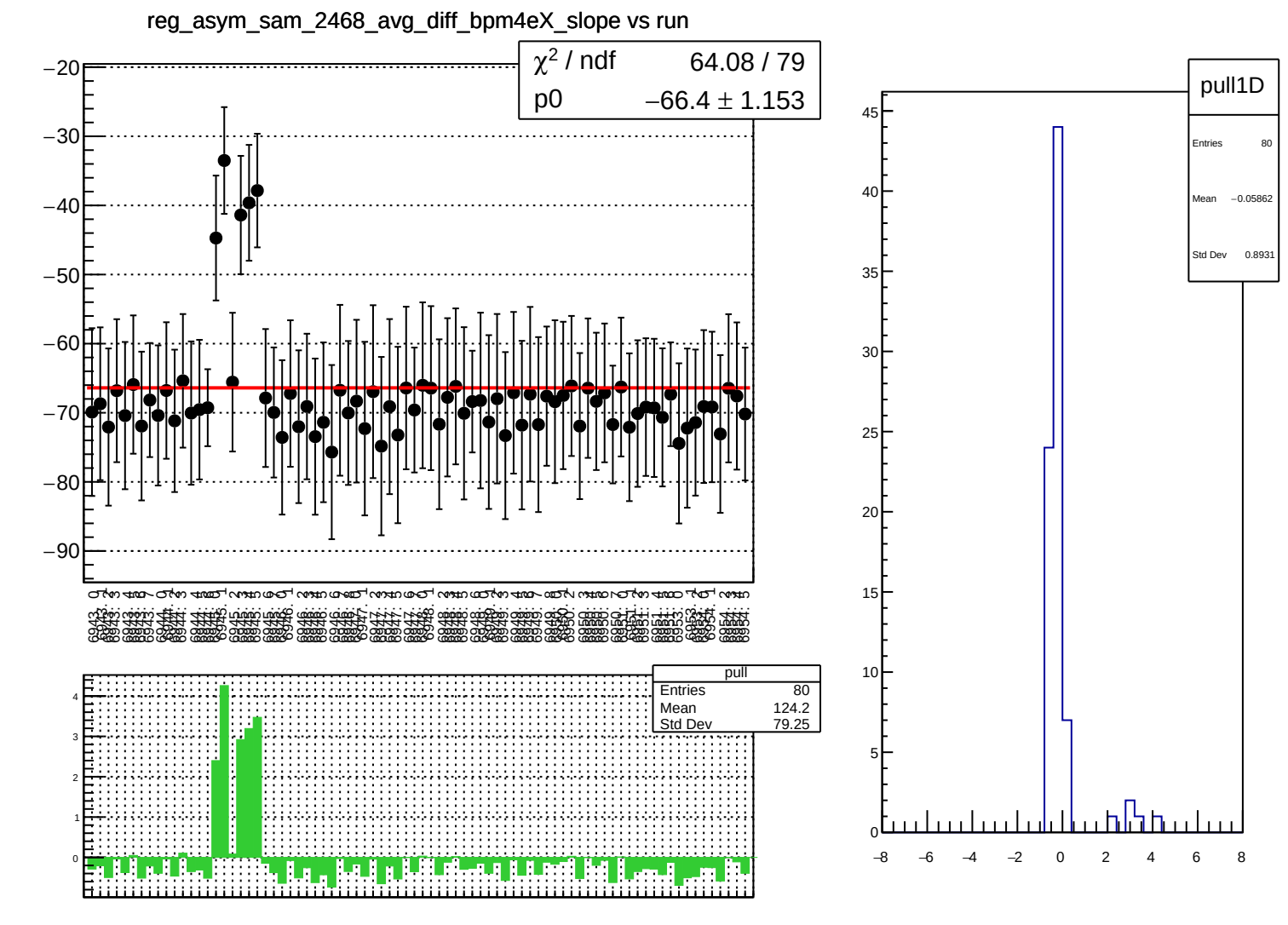

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 4.715 / 79
p0 0.03591 ± 0.01877
pull
Entries 80
Mean −158.1
Std Dev 204.5

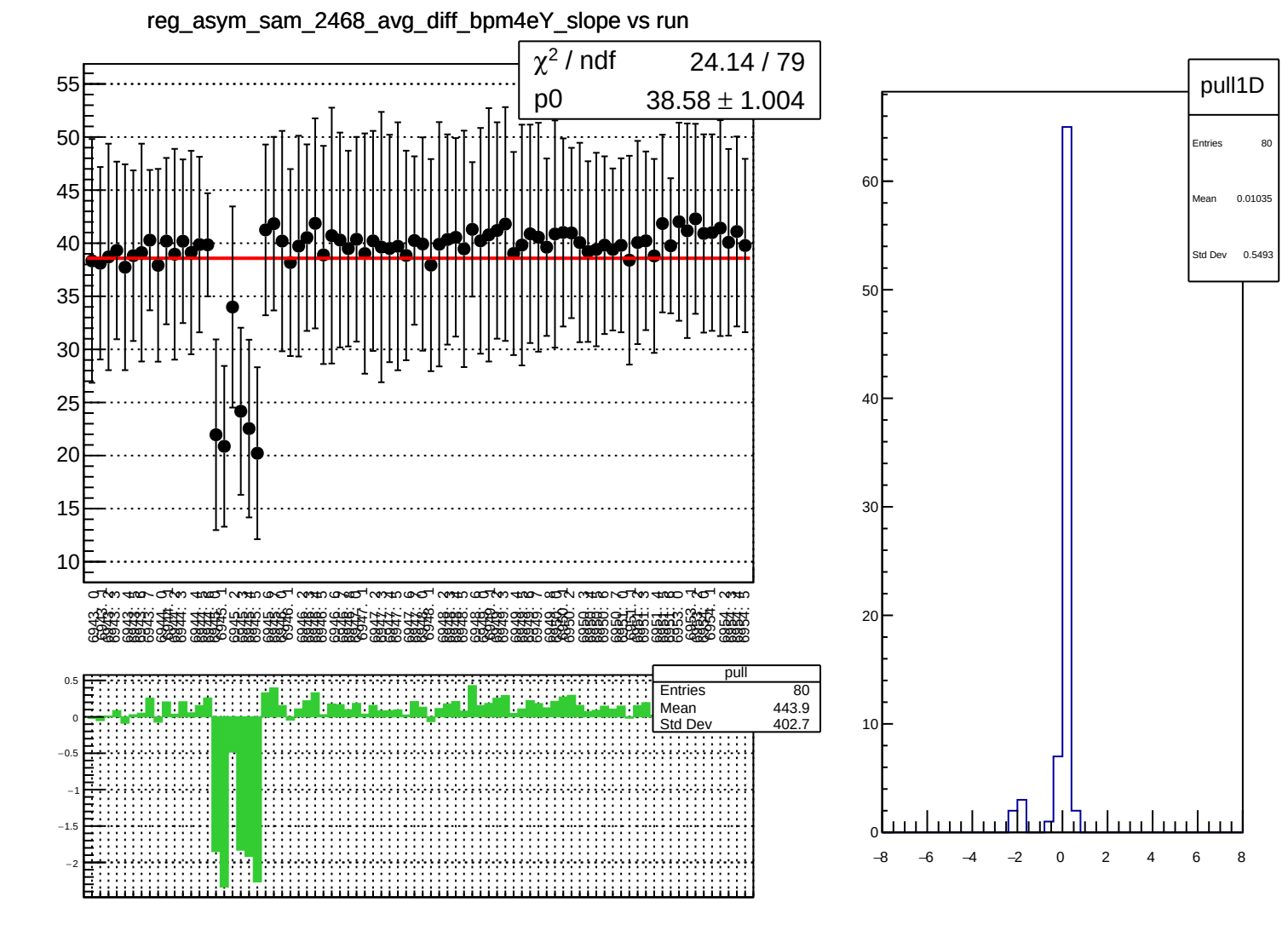

pull1D
Entries 80
Mean −0.006275
Std Dev 0.2427

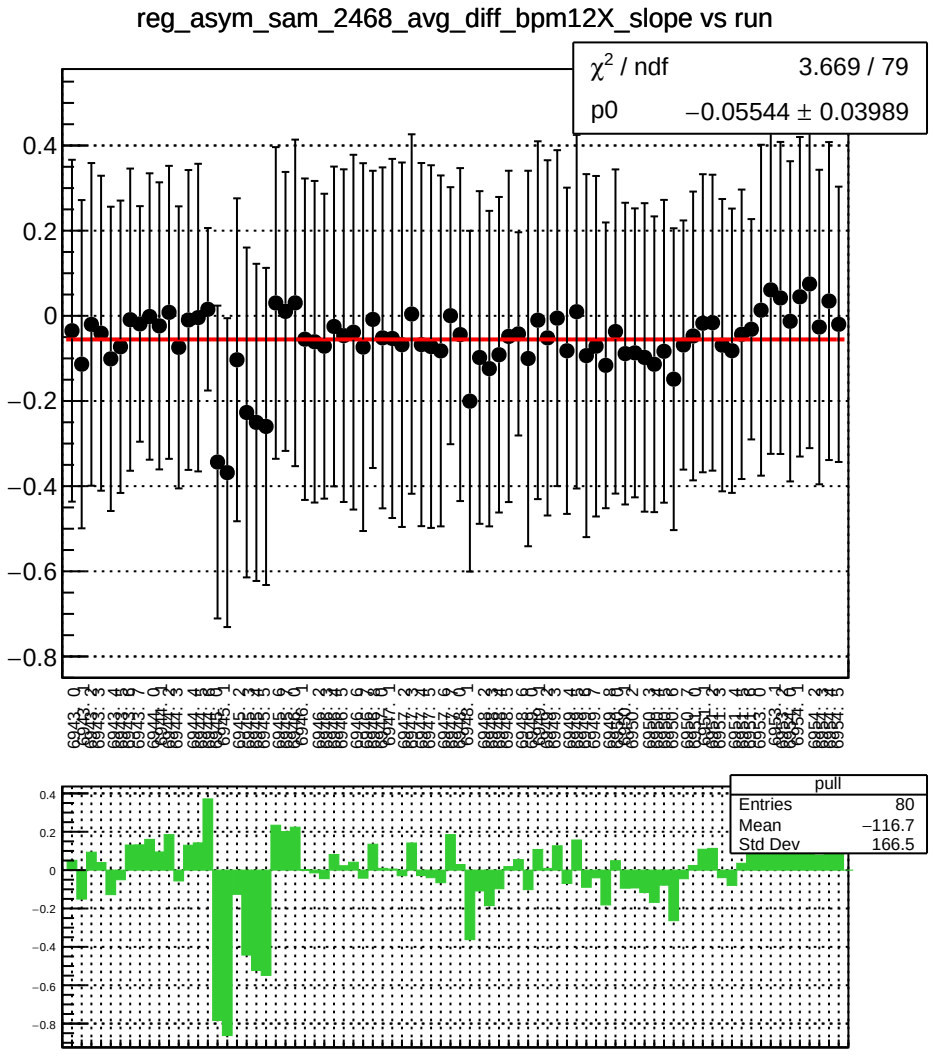

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 71.31 / 79
p0 −21.47 ± 1.235
pull
Entries 80
Mean 111.5
Std Dev 66.52

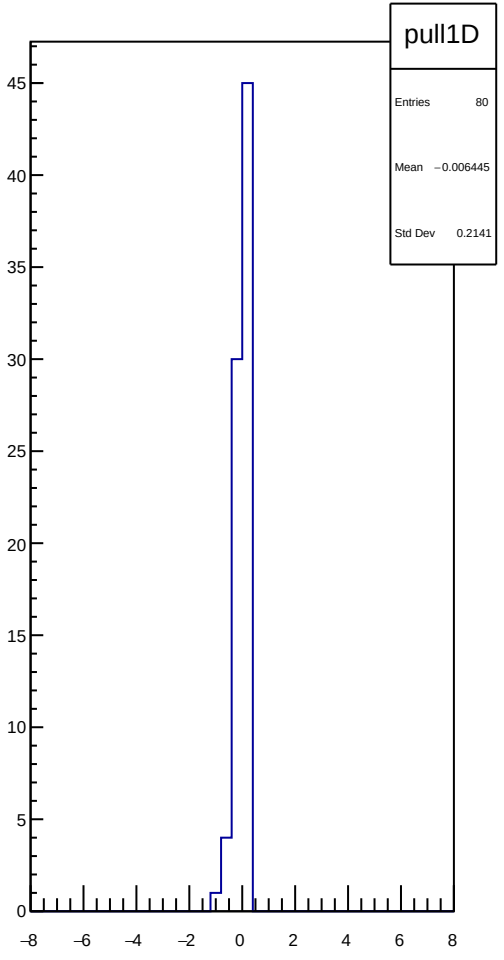

pull1D
Entries 80
Mean 0.06375
Std Dev 0.942

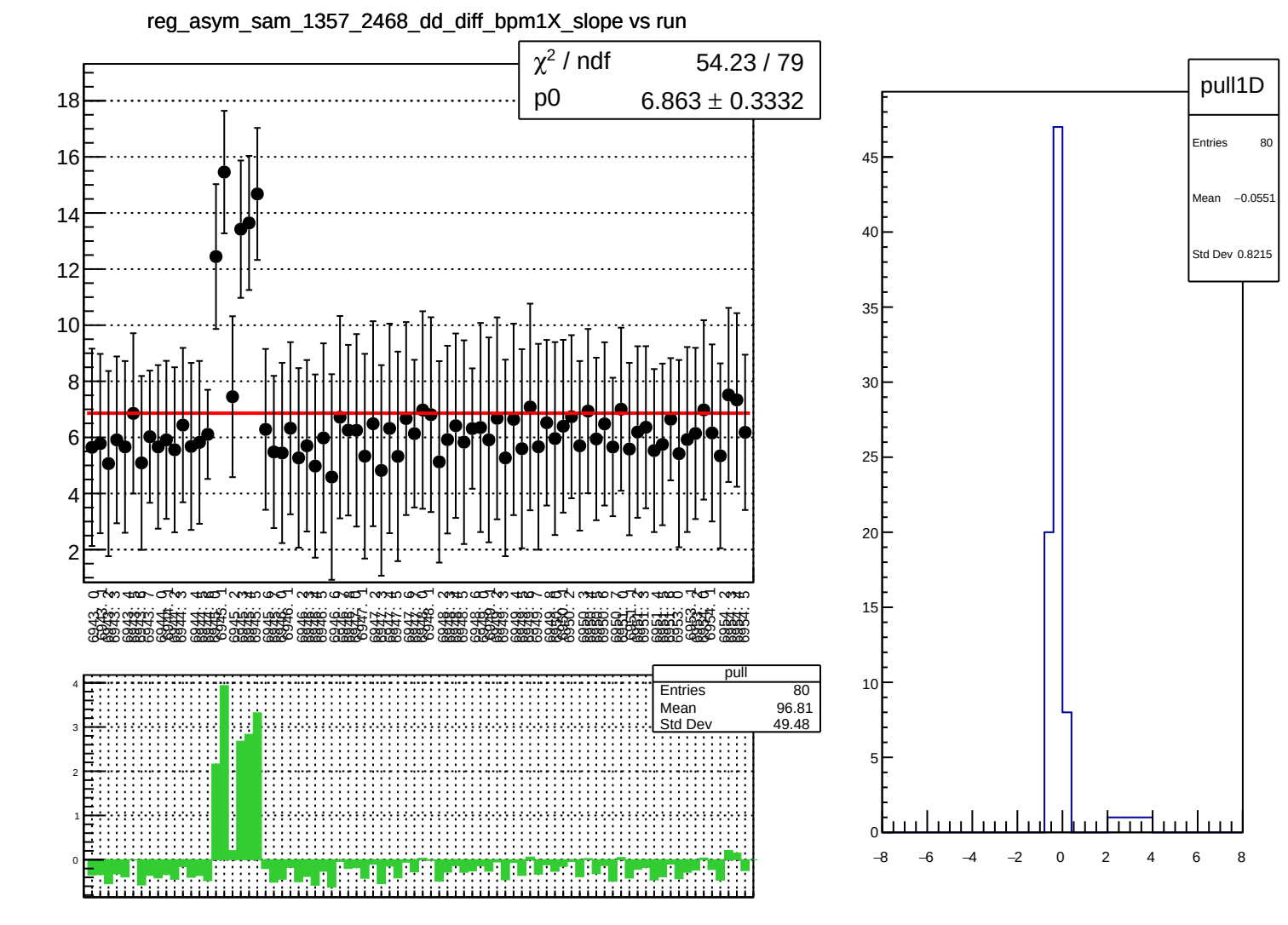

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.49 / 79
p0 0.135 ± 0.8722
pull
Entries 80
Mean 912.3
Std Dev 870
pull1D
Entries 80
Mean −0.005196
Std Dev 0.5862

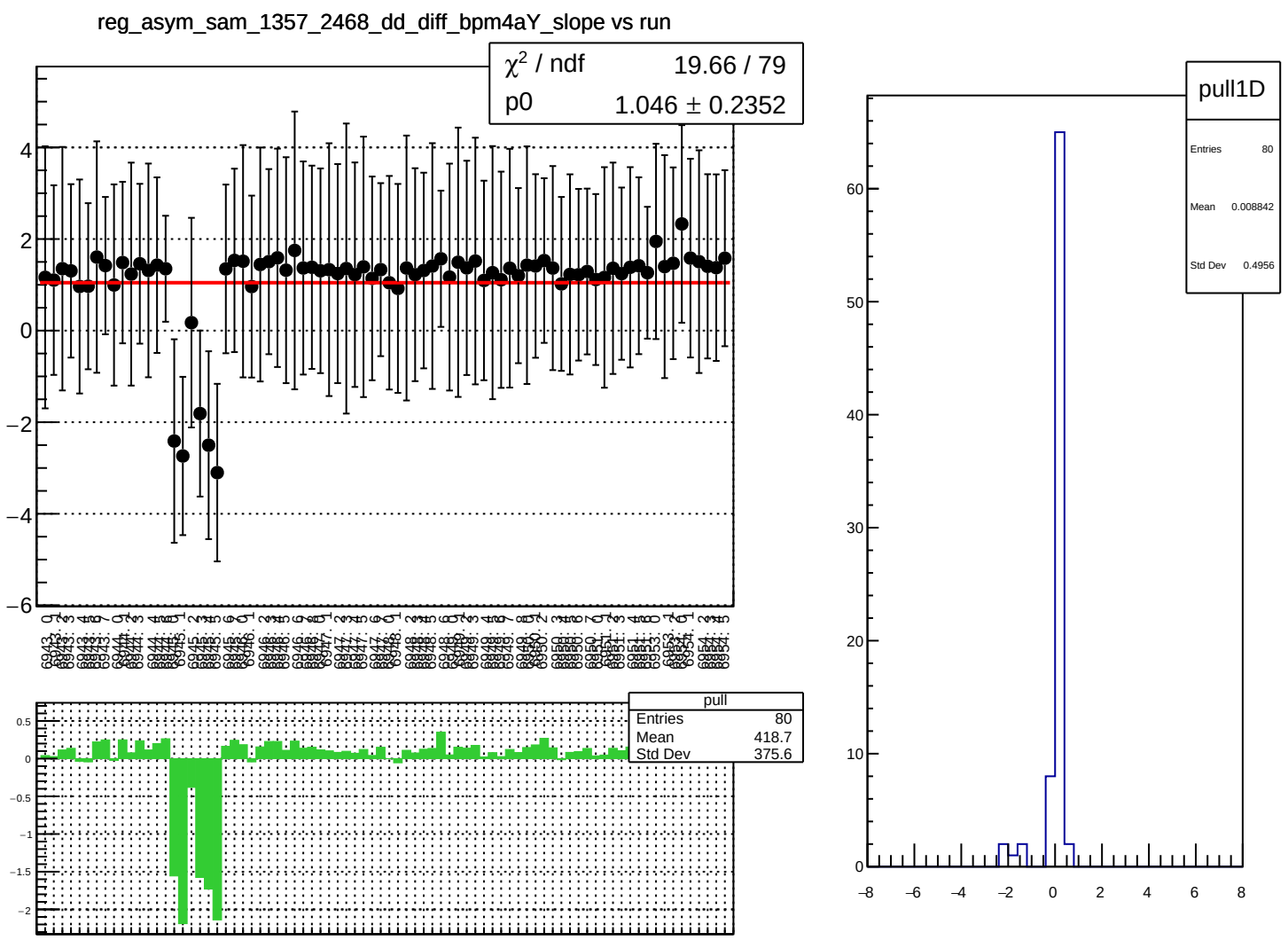

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.08 / 79
p0 −66.4 ± 1.153
pull
Entries 80
Mean 124.2
Std Dev 79.25
pull1D
Entries 80
Mean −0.05862
Std Dev 0.8931

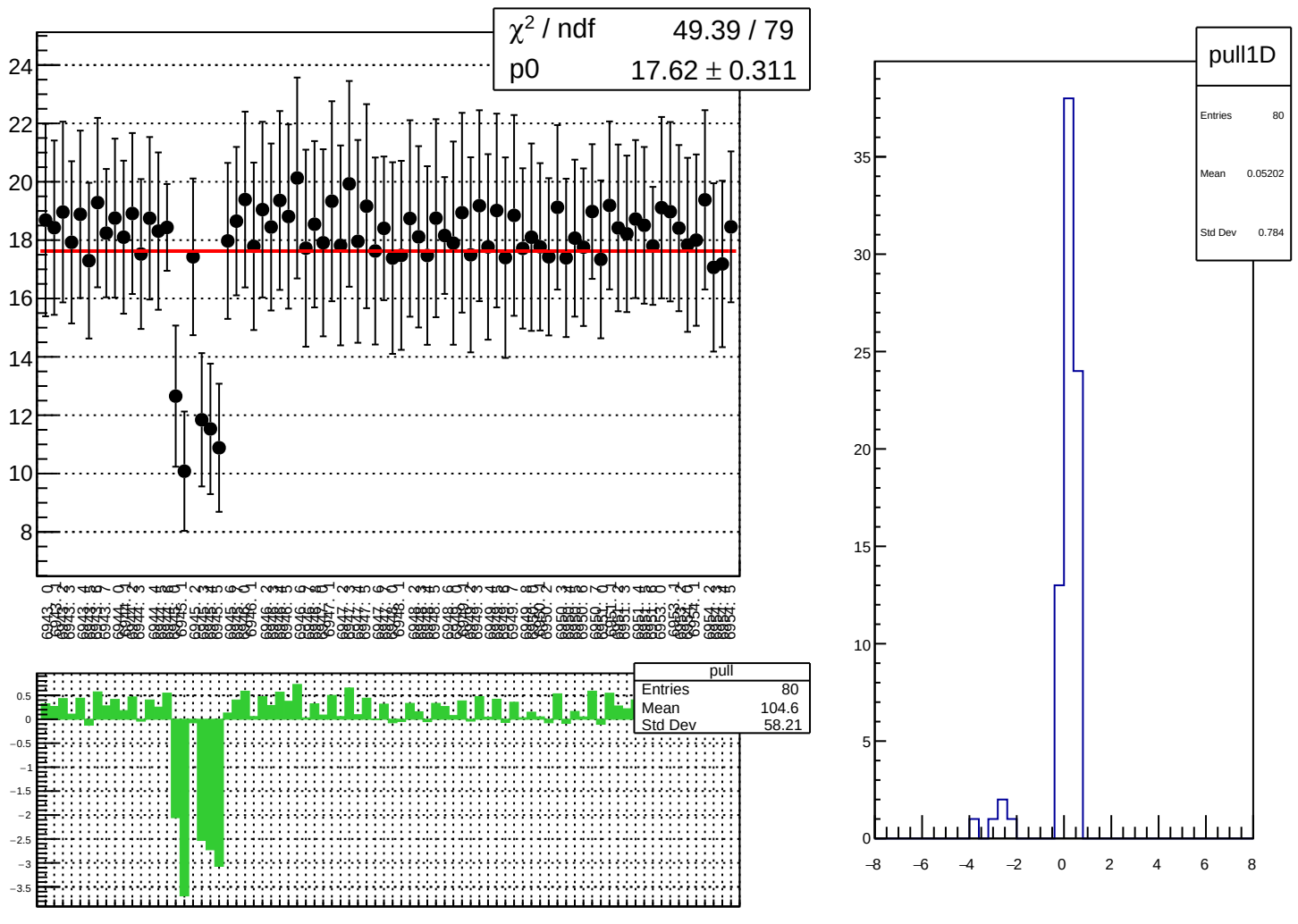

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.14 / 79
p0 38.58 ± 1.004
pull
Entries 80
Mean 443.9
Std Dev 402.7
pull1D
Entries 80
Mean 0.01035
Std Dev 0.5493

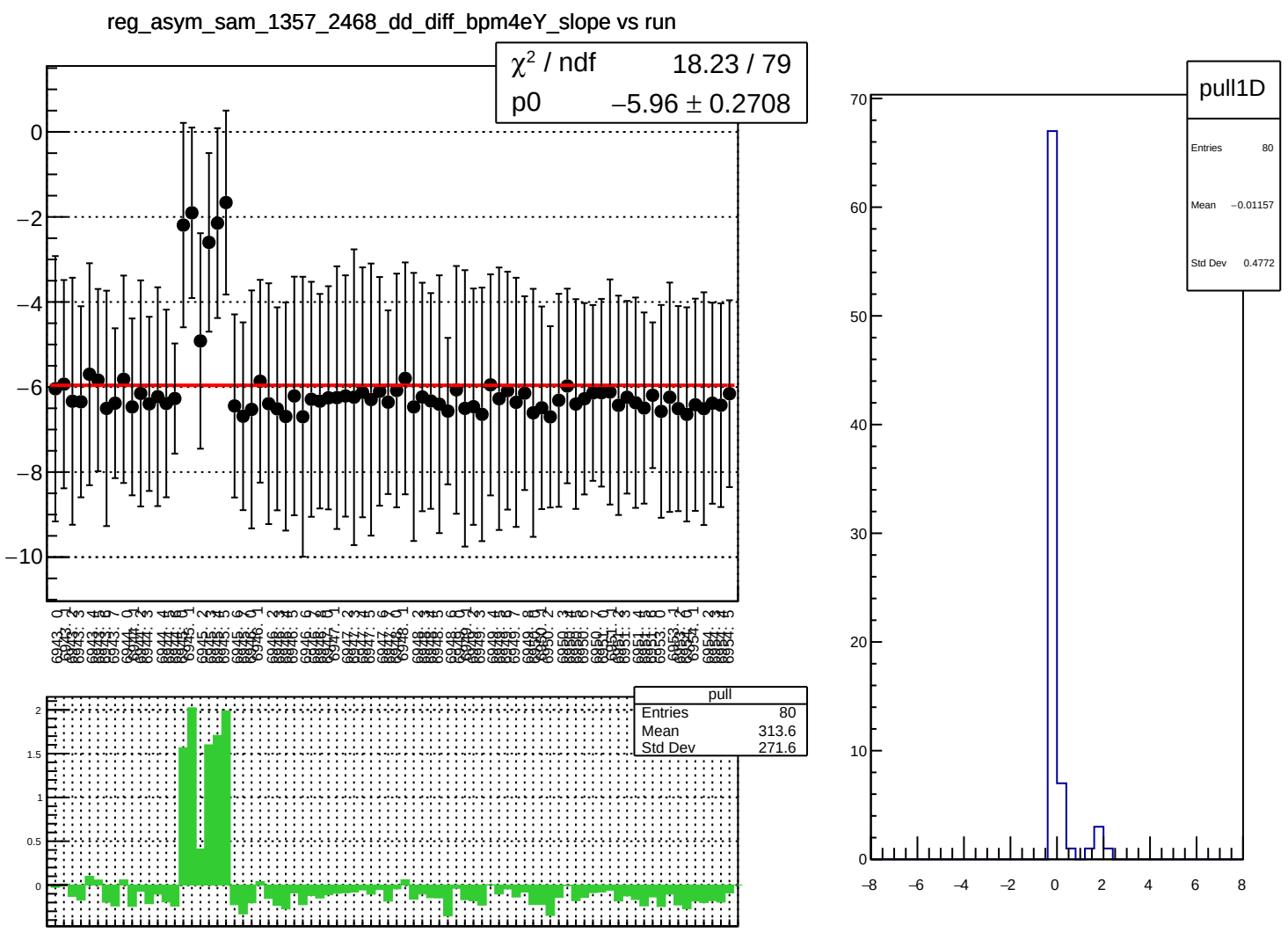

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.669 / 79
p0 −0.05544 ± 0.03989
pull
Entries 80
Mean −116.7
Std Dev 166.5

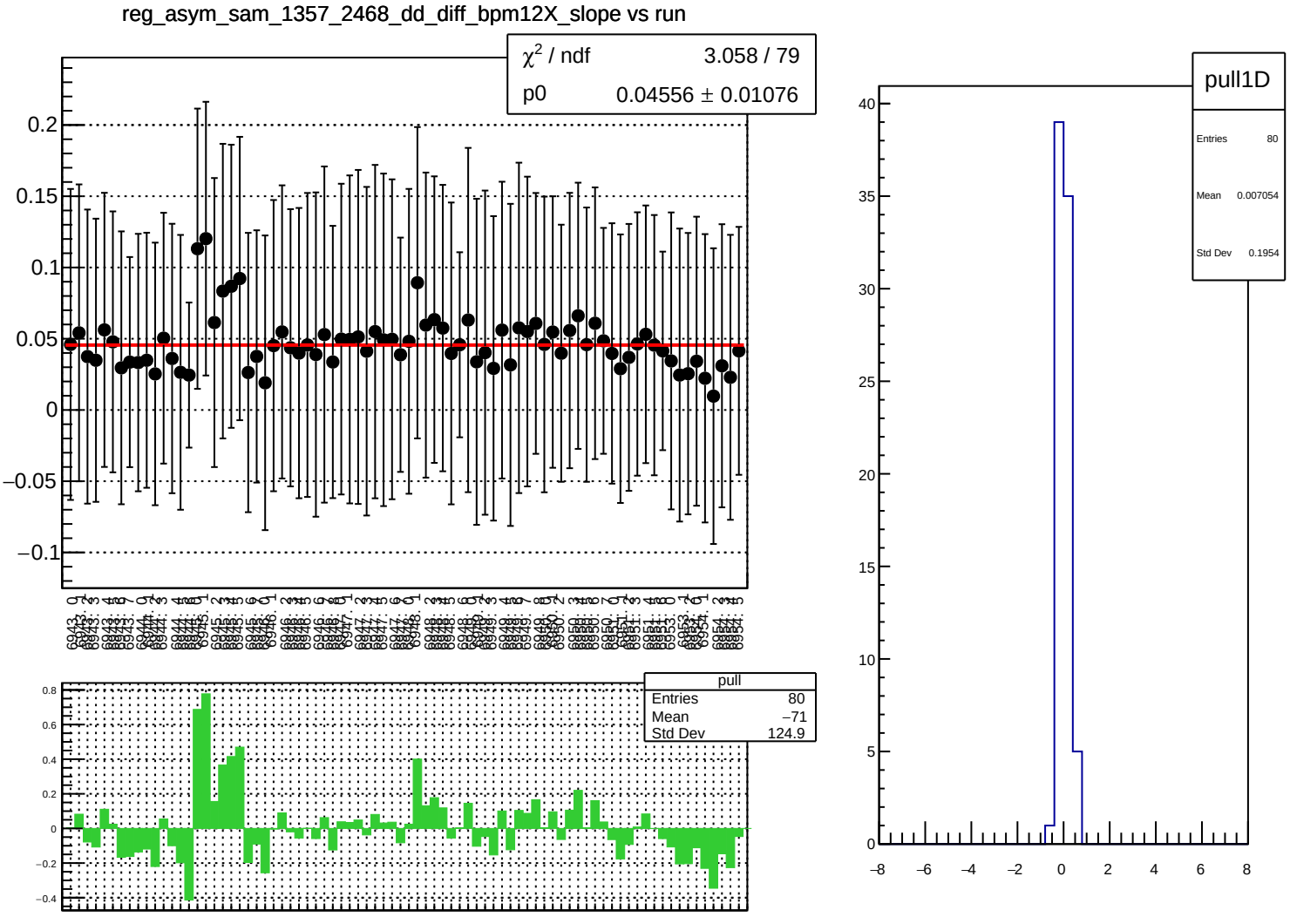

pull1D
Entries 80
Mean −0.006445
Std Dev 0.2141

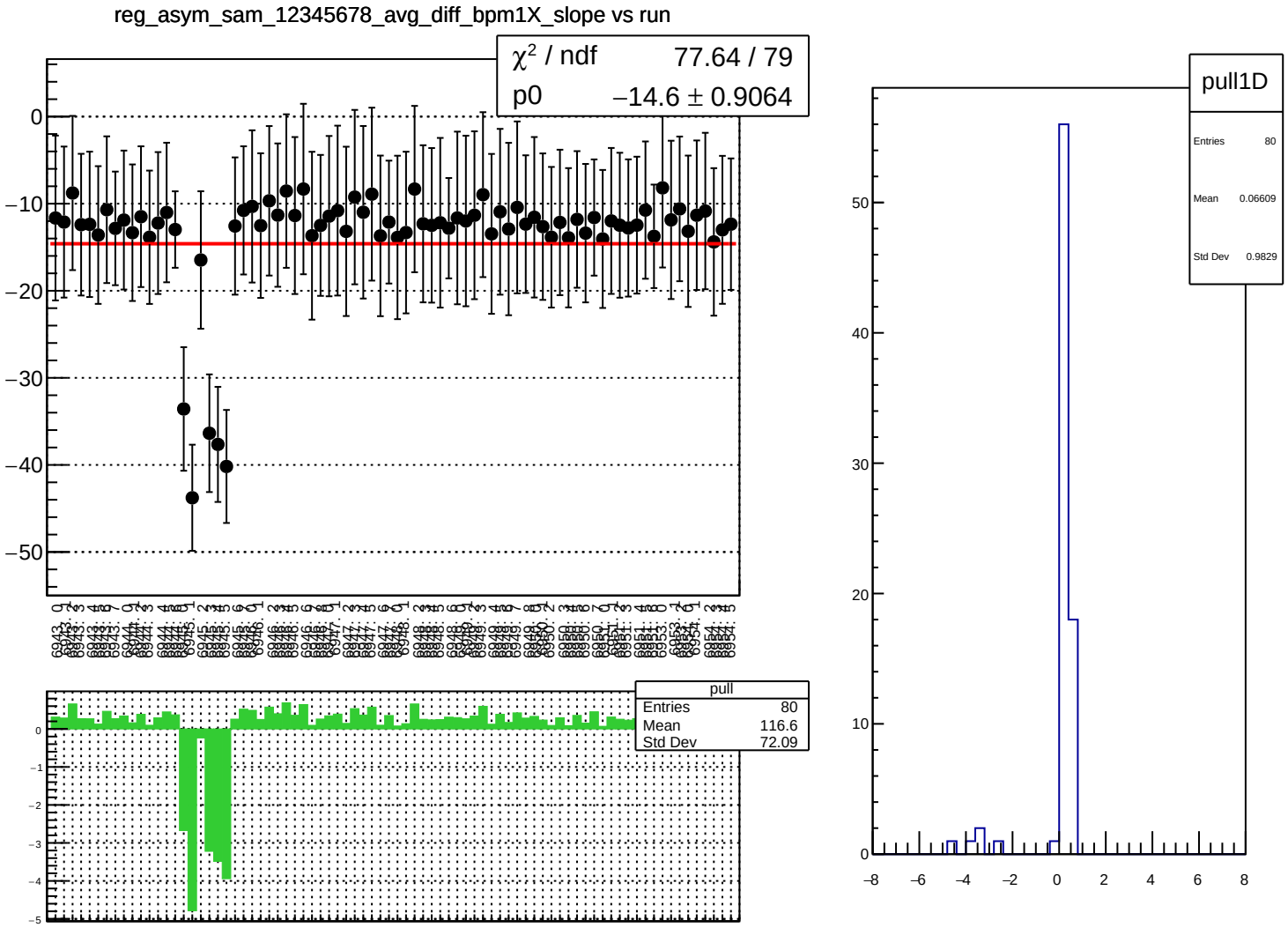

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 54.23 / 79
p0 6.863 ± 0.3332
pull
Entries 80
Mean 96.81
Std Dev 49.48
pull1D
Entries 80
Mean −0.0551
Std Dev 0.8215

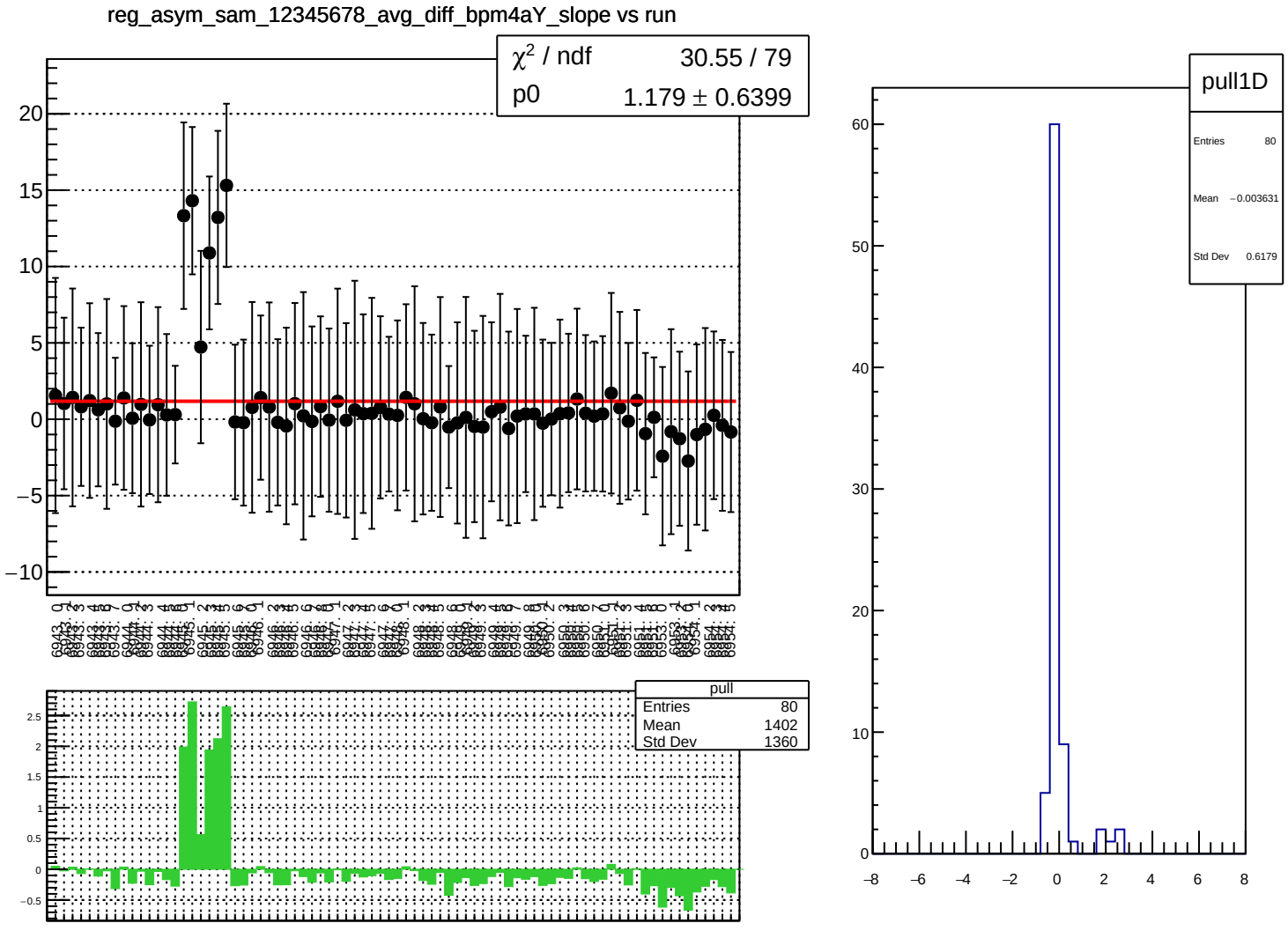

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.66 / 79
p0 1.046 ± 0.2352
pull
Entries 80
Mean 418.7
Std Dev 375.6
pull1D
Entries 80
Mean 0.008842
Std Dev 0.4956

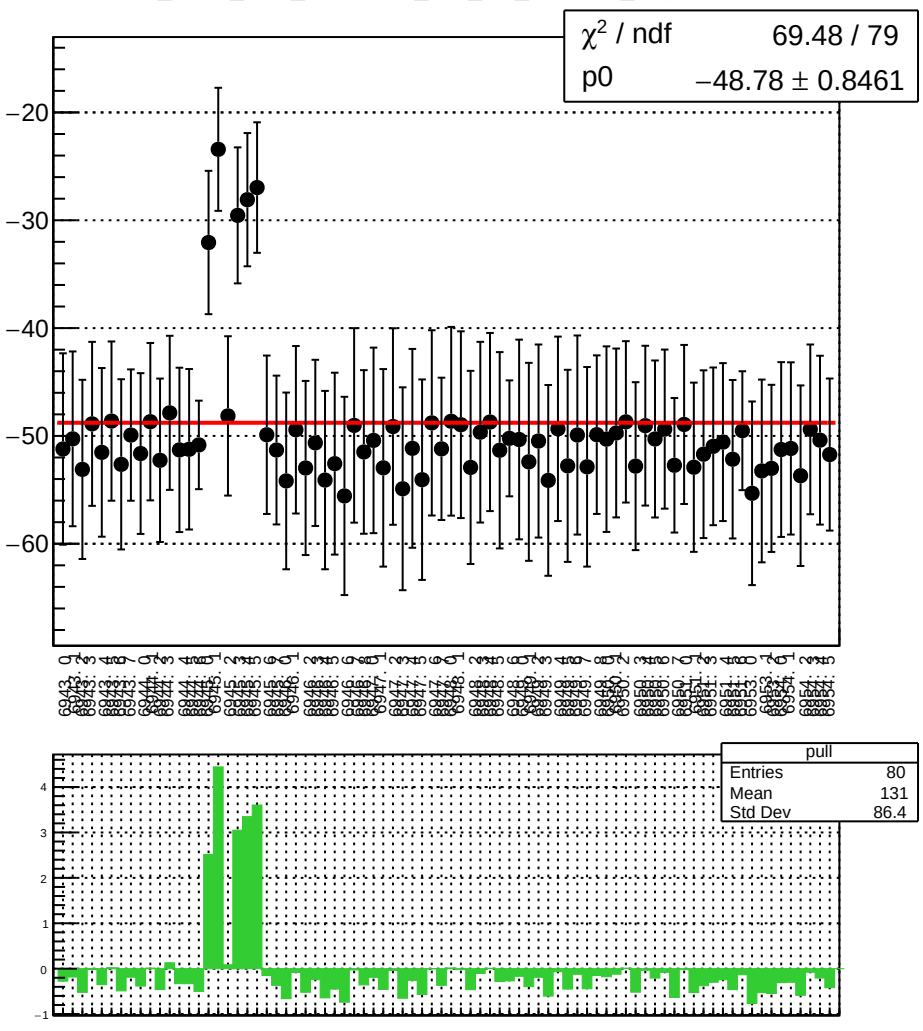

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.39 / 79
p0 17.62 ± 0.311
pull
Entries 80
Mean 104.6
Std Dev 58.21
pull1D
Entries 80
Mean 0.05202
Std Dev 0.784

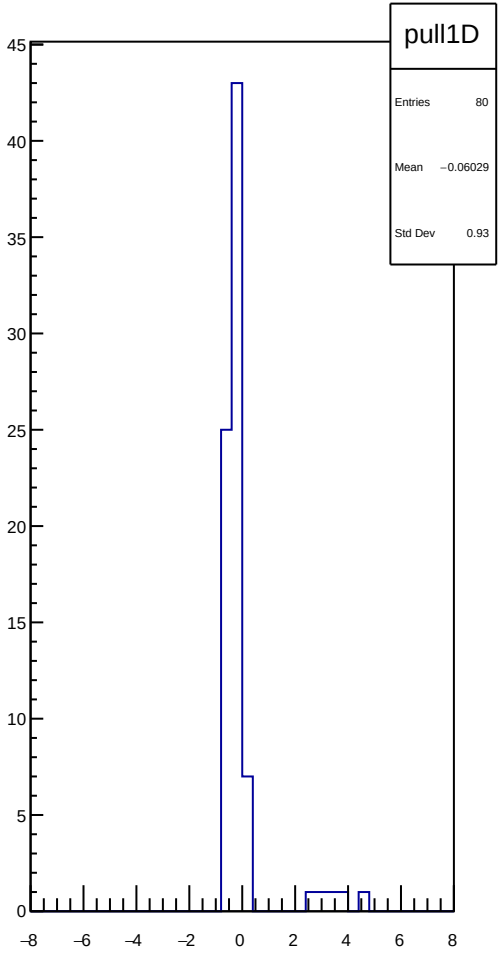

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.23 / 79
p0 −5.96 ± 0.2708
pull
Entries 80
Mean 313.6
Std Dev 271.6
pull1D
Entries 80
Mean −0.01157
Std Dev 0.4772

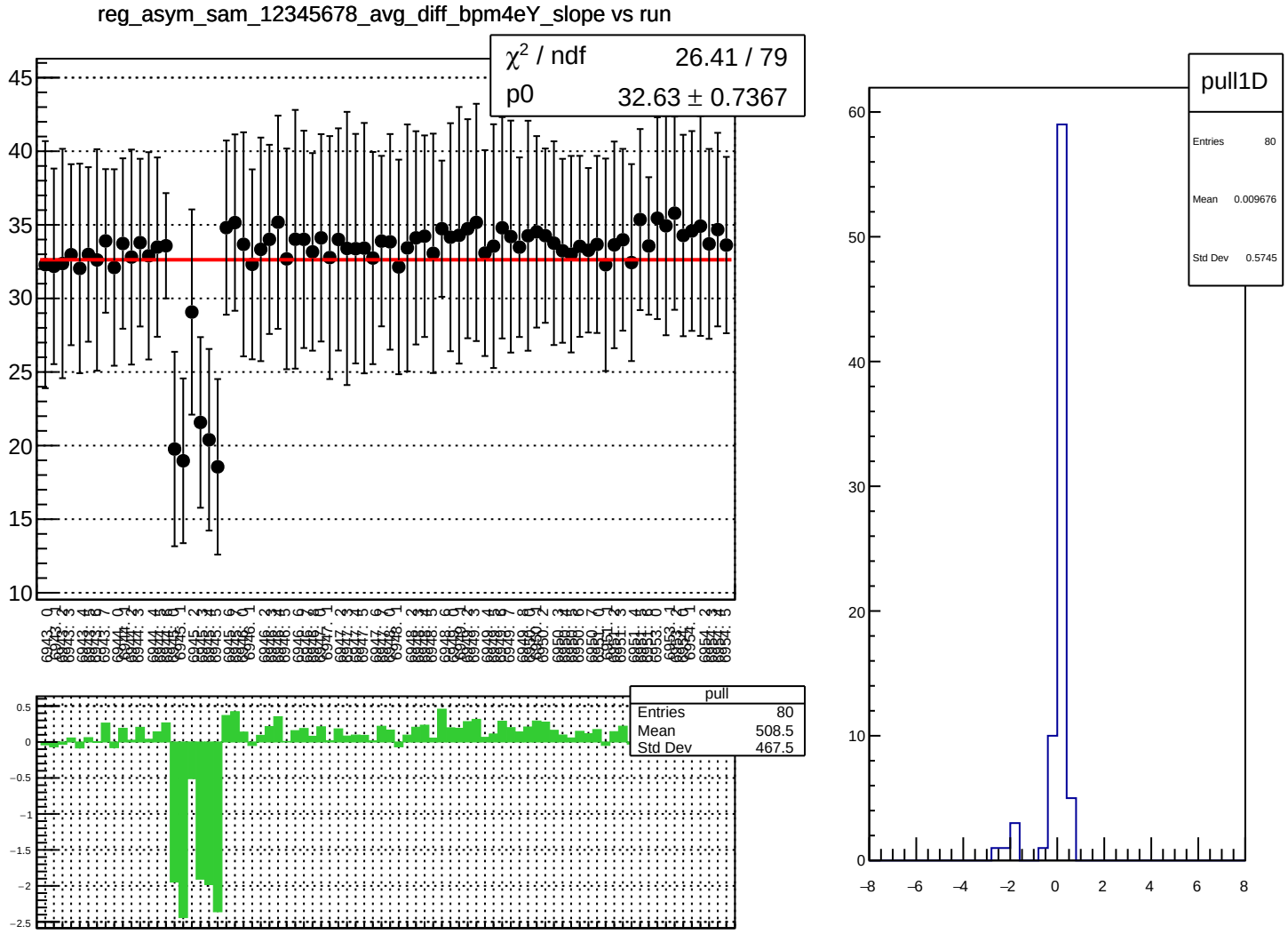

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.058 / 79
p0 0.04556 ± 0.01076
pull
Entries 80
Mean −71
Std Dev 124.9
pull1D
Entries 80
Mean 0.007054
Std Dev 0.1954

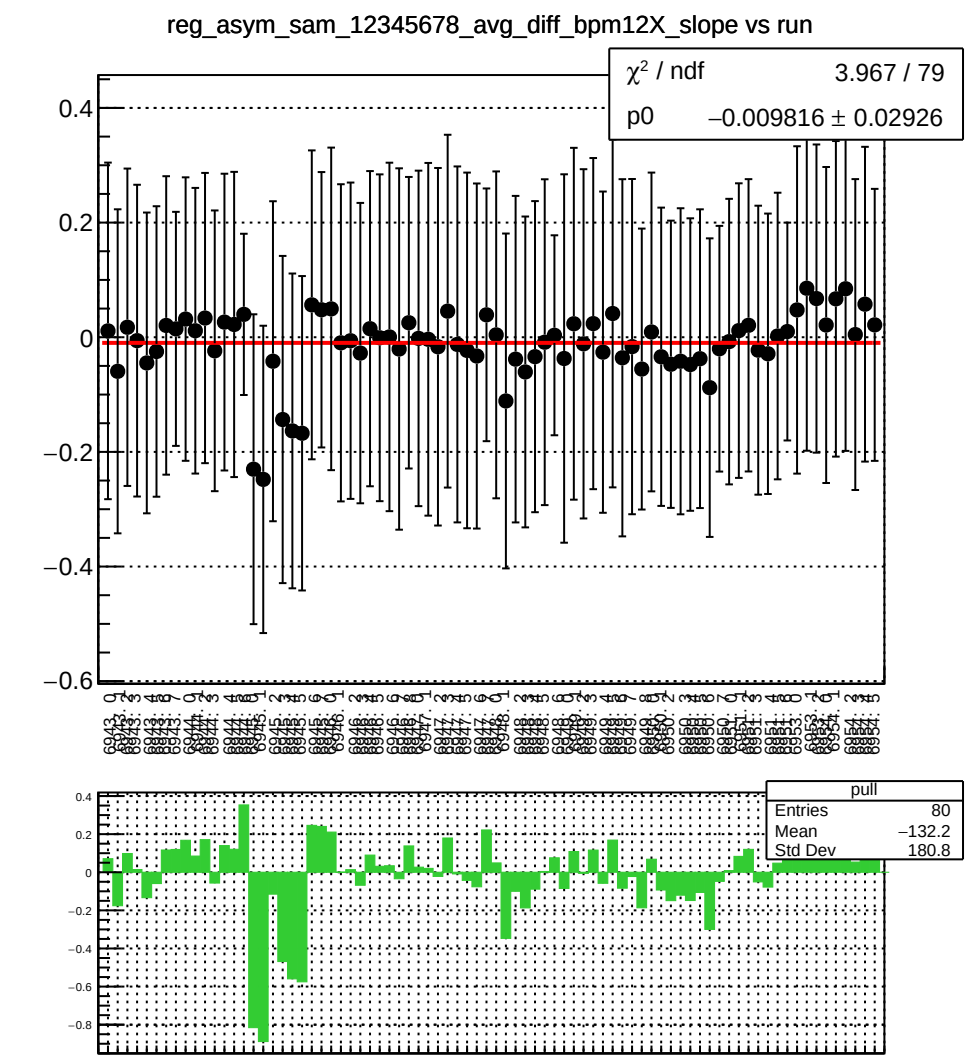

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 77.64 / 79
p0 −14.6 ± 0.9064
pull
Entries 80
Mean 116.6
Std Dev 72.09
pull1D
Entries 80
Mean 0.06609
Std Dev 0.9829

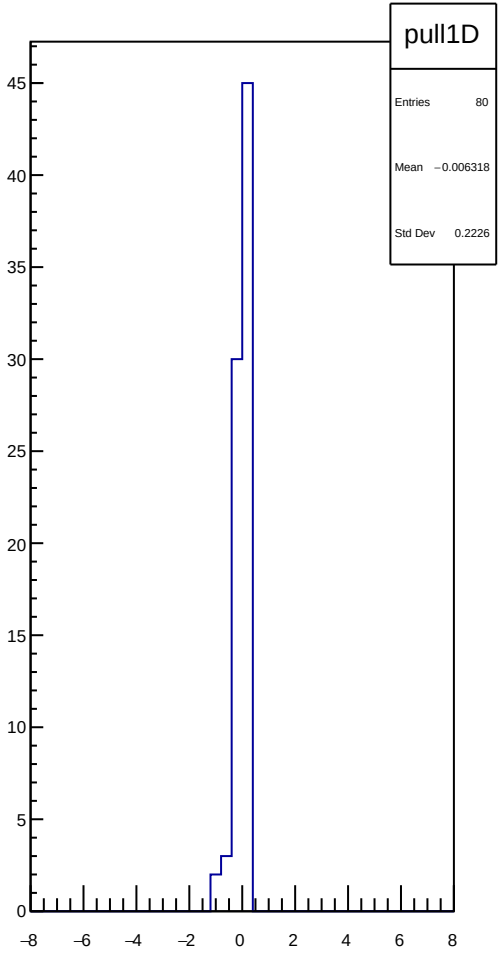

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.55 / 79
p0 1.179 ± 0.6399
pull
Entries 80
Mean 1402
Std Dev 1360
pull1D
Entries 80
Mean −0.003631
Std Dev 0.6179

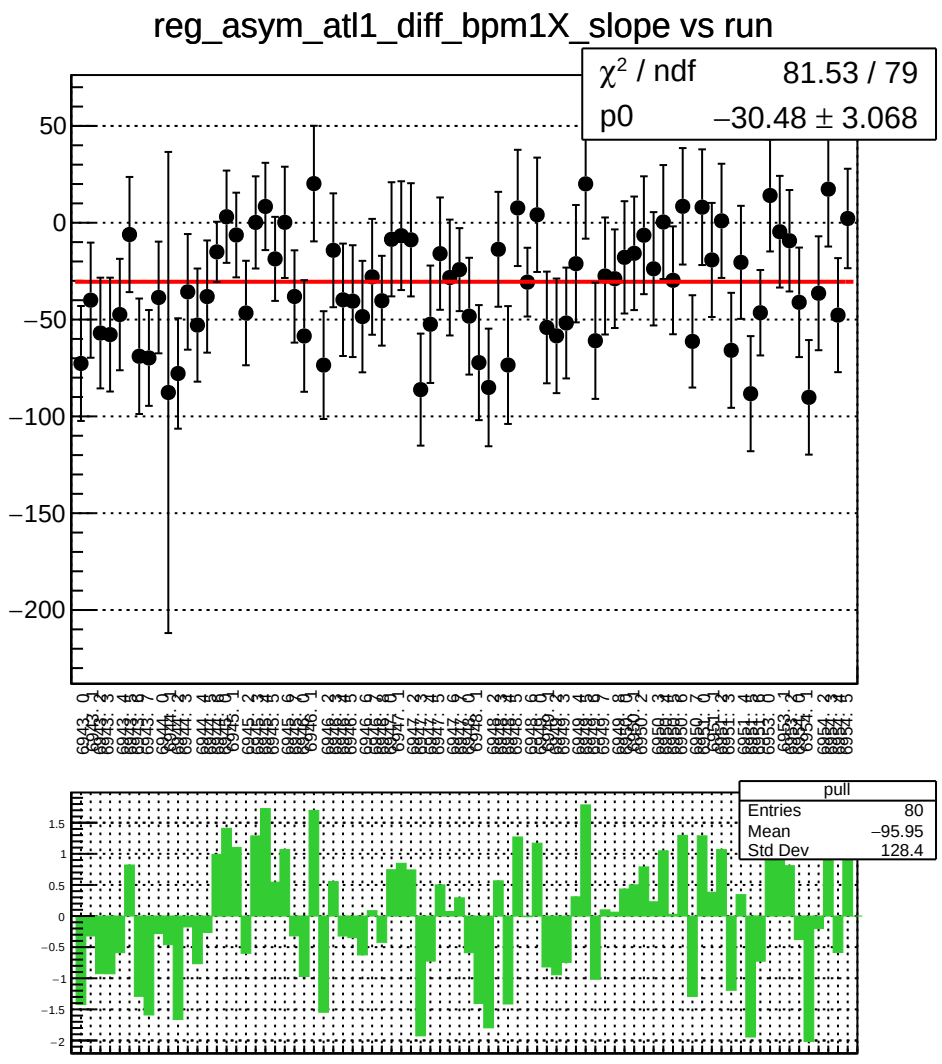

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.48 / 79
p0 −48.78 ± 0.8461
pull
Entries 80
Mean 131
Std Dev 86.4

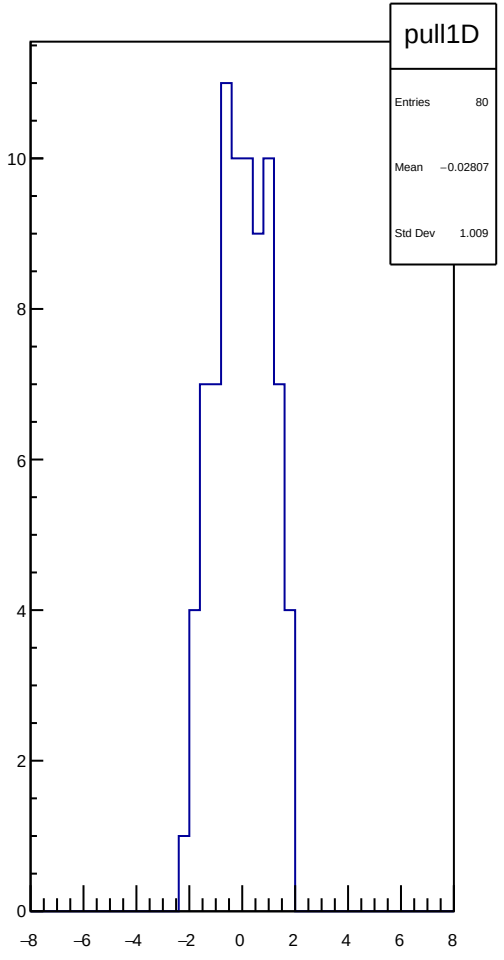

pull1D
Entries 80
Mean −0.06029
Std Dev 0.93

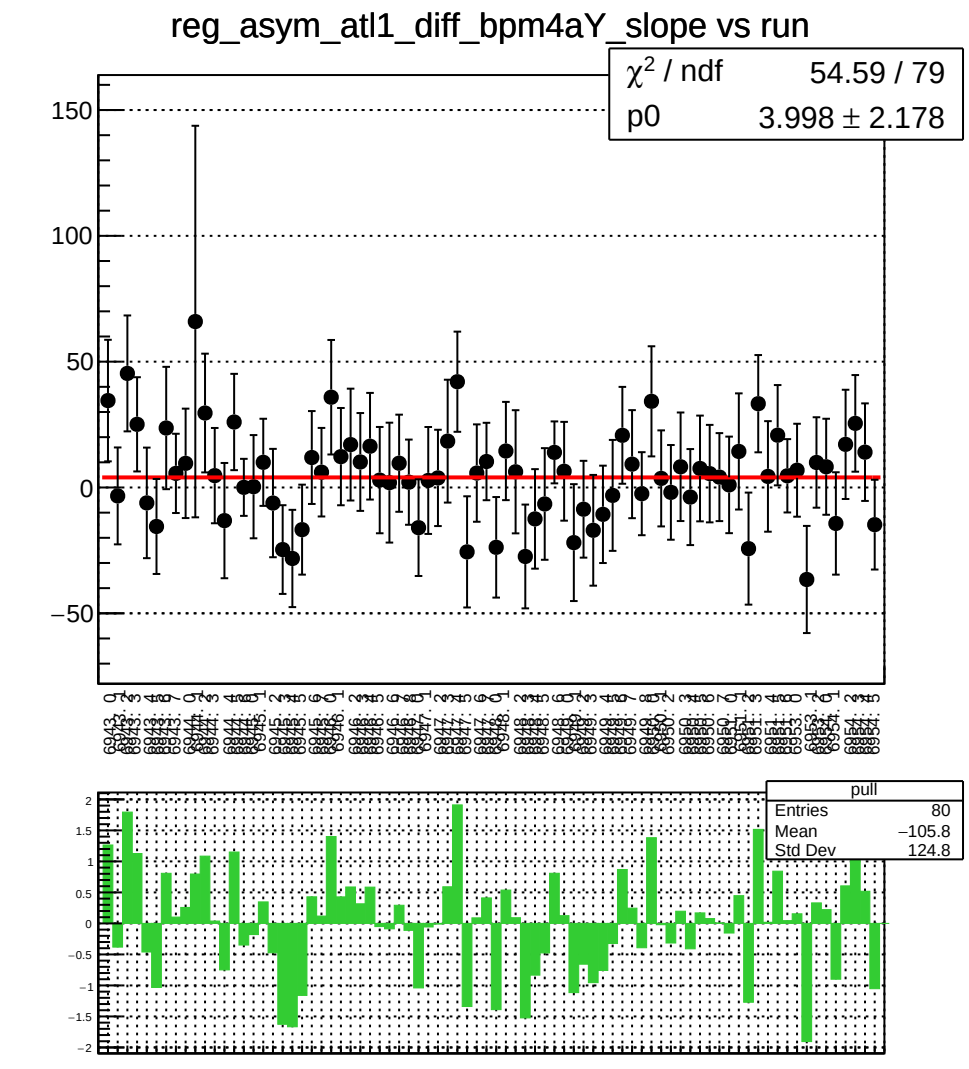

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.41 / 79
p0 32.63 ± 0.7367
pull
Entries 80
Mean 508.5
Std Dev 467.5
pull1D
Entries 80
Mean 0.009676
Std Dev 0.5745

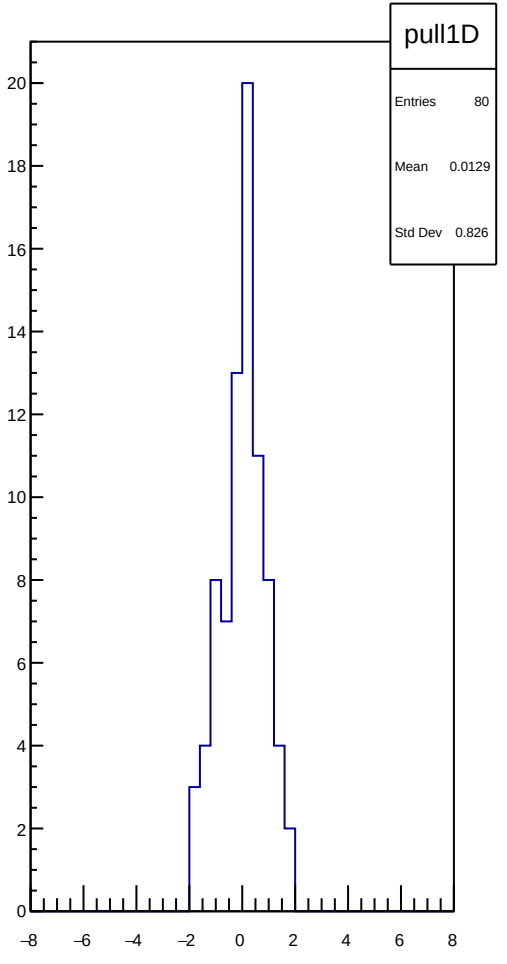

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.967 / 79
p0 −0.009816 ± 0.02926
pull
Entries 80
Mean −132.2
Std Dev 180.8

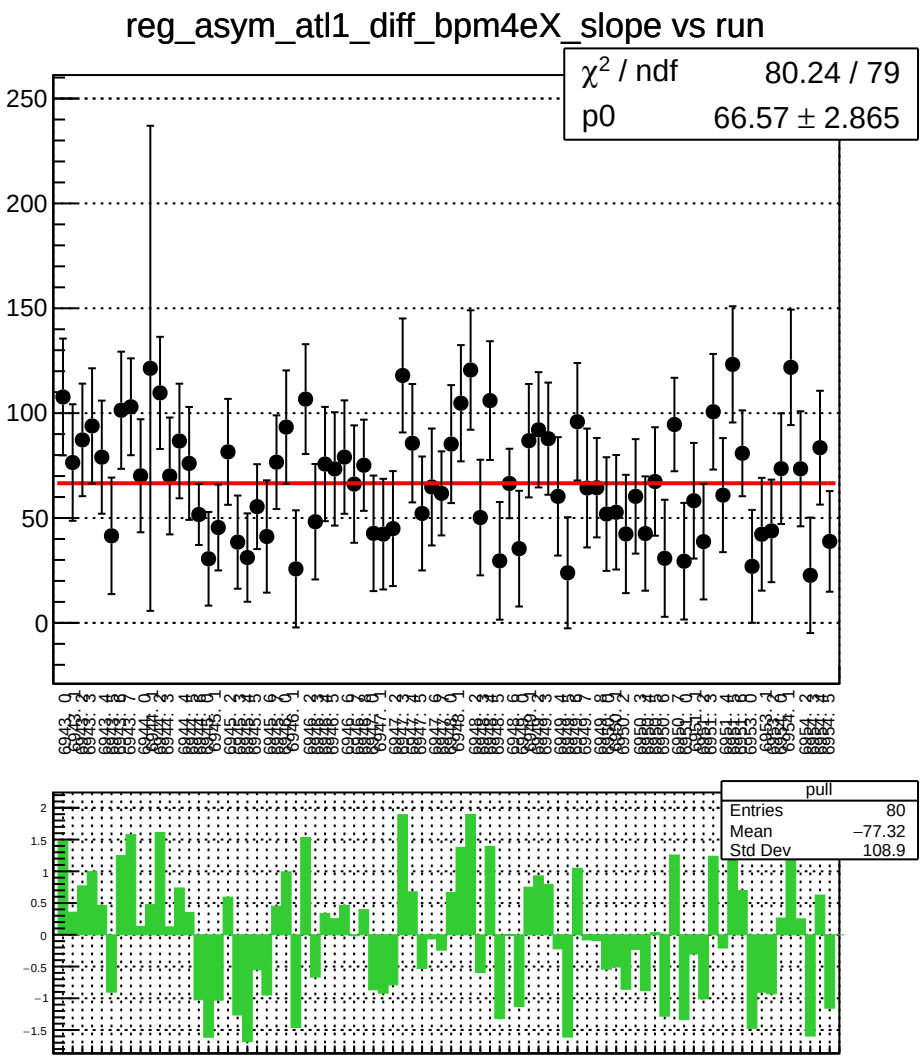

pull1D
Entries 80
Mean −0.006318
Std Dev 0.2226

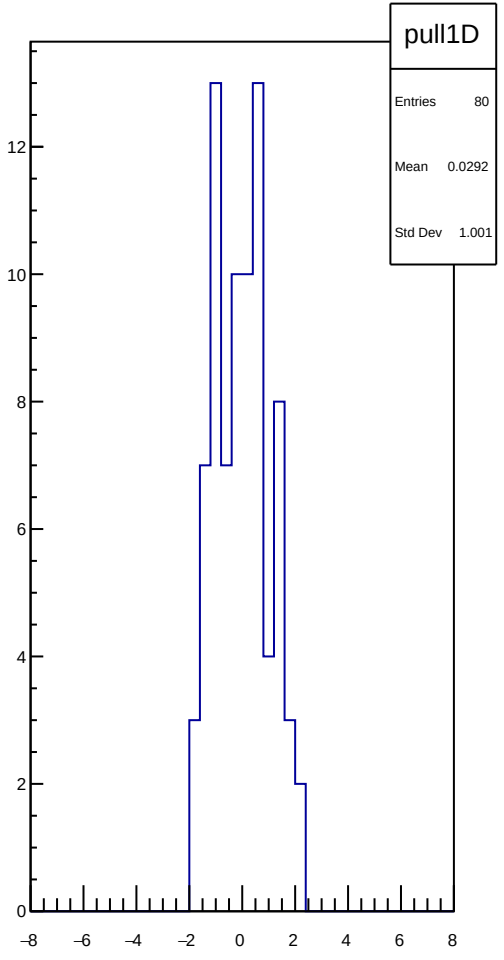

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 81.53 / 79
p0 −30.48 ± 3.068
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −95.95
Std Dev 128.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

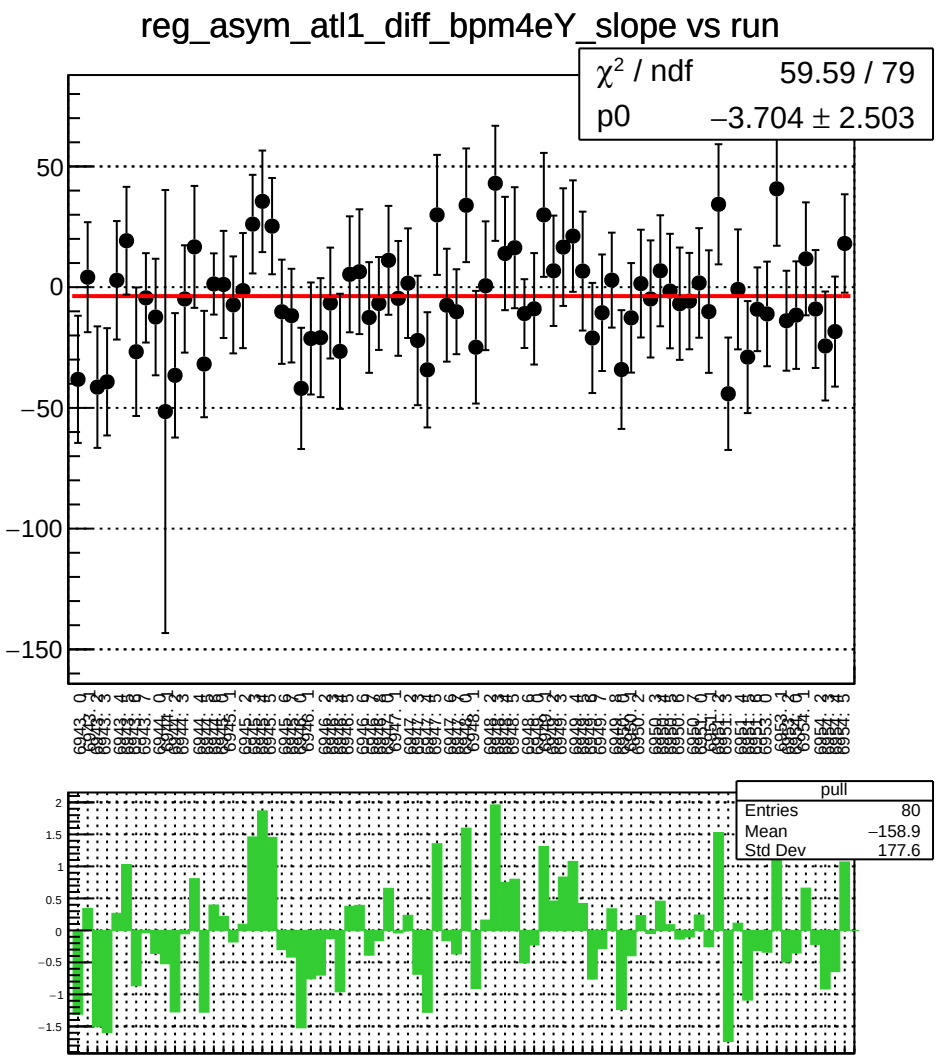

pull1D
Entries 80
Mean −0.02807
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

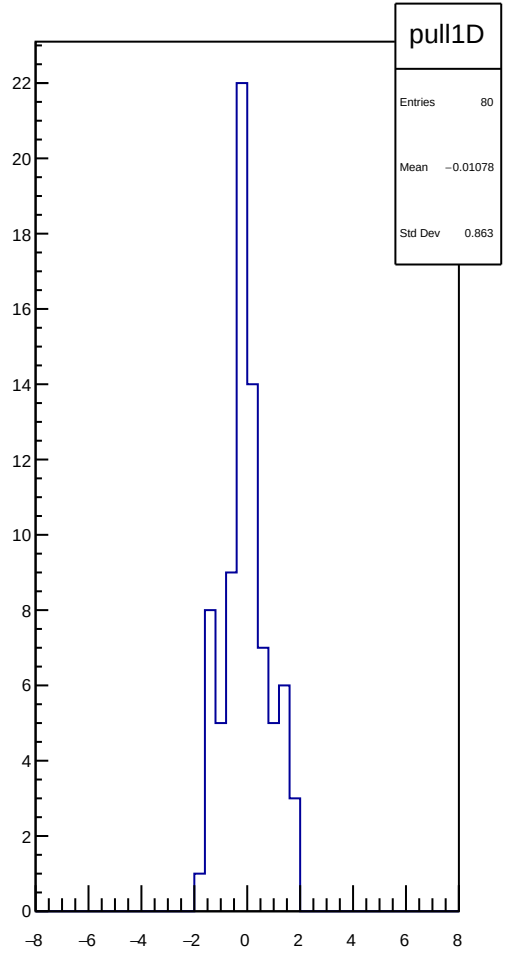

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 54.59 / 79
p0 3.998 ± 2.178
150
100
50
0
−50
pull
Entries 80
Mean −105.8
Std Dev 124.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

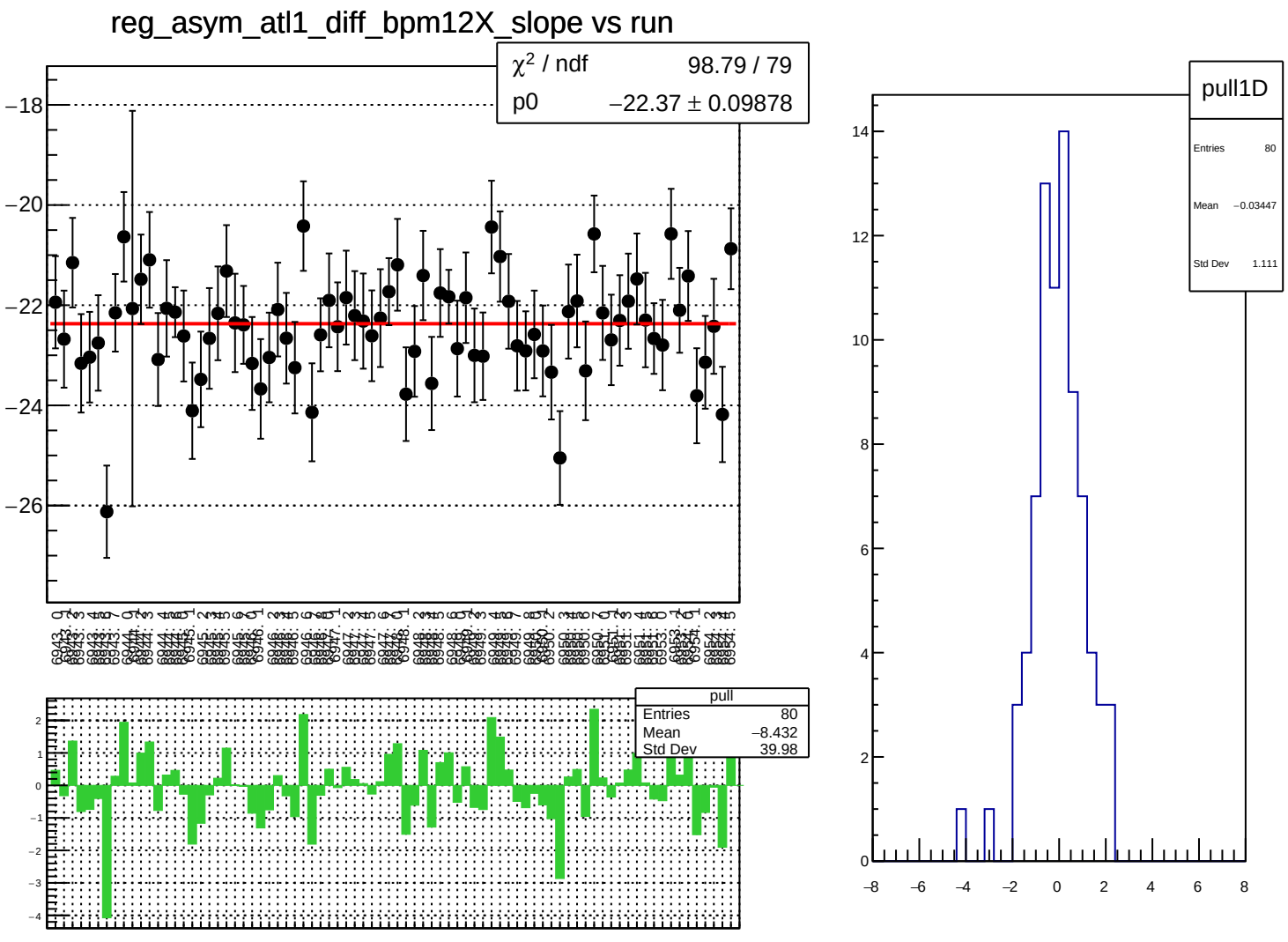

pull1D
Entries 80
Mean 0.0129
Std Dev 0.826
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

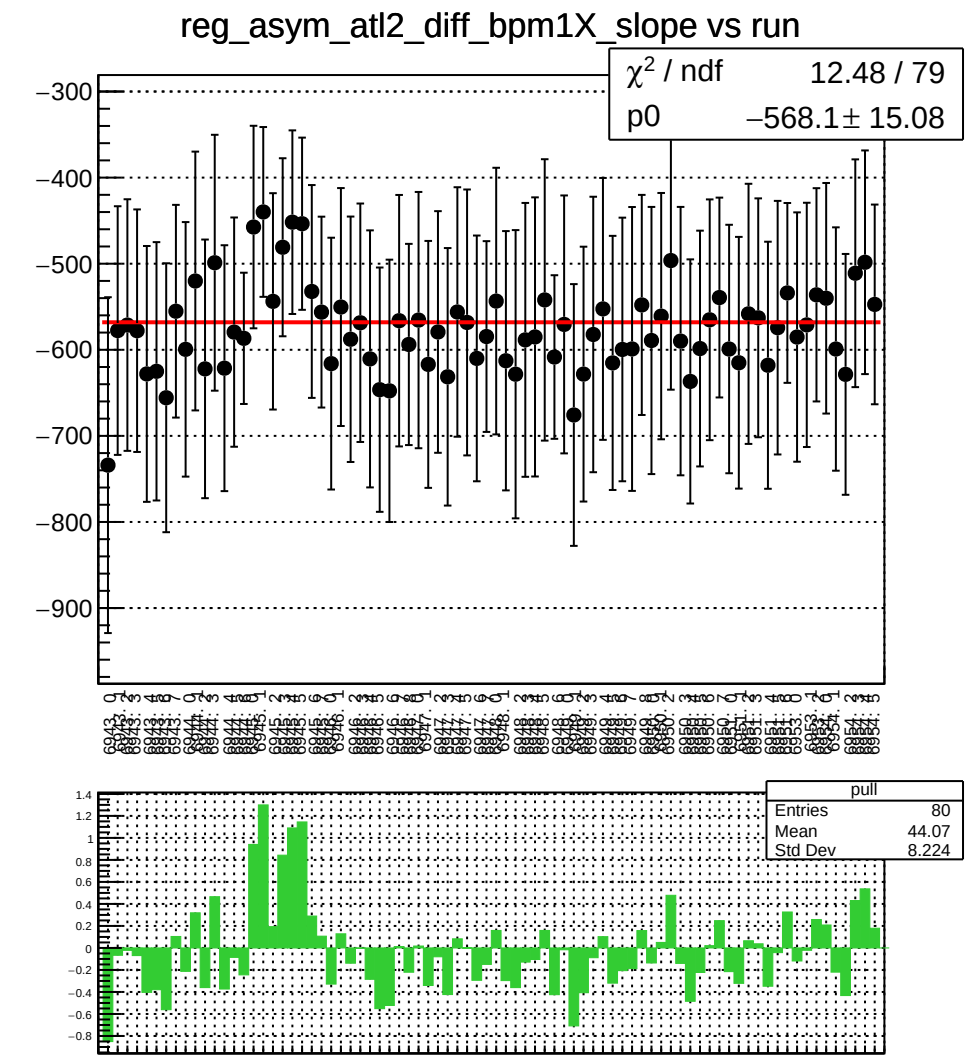

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 80.24 / 79
p0 66.57 ± 2.865
250
200
150
100
50
0
pull
Entries 80
Mean −77.32
Std Dev 108.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

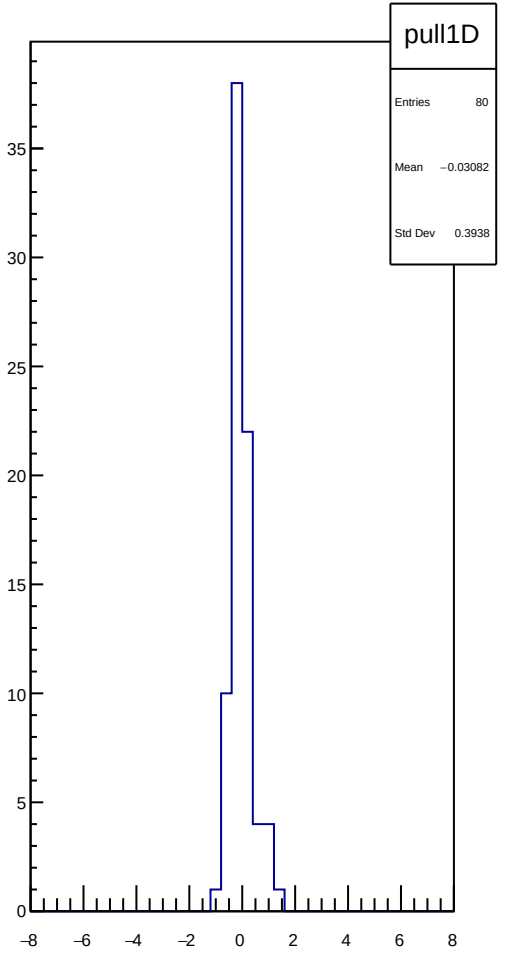

pull1D
Entries 80
Mean 0.0292
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

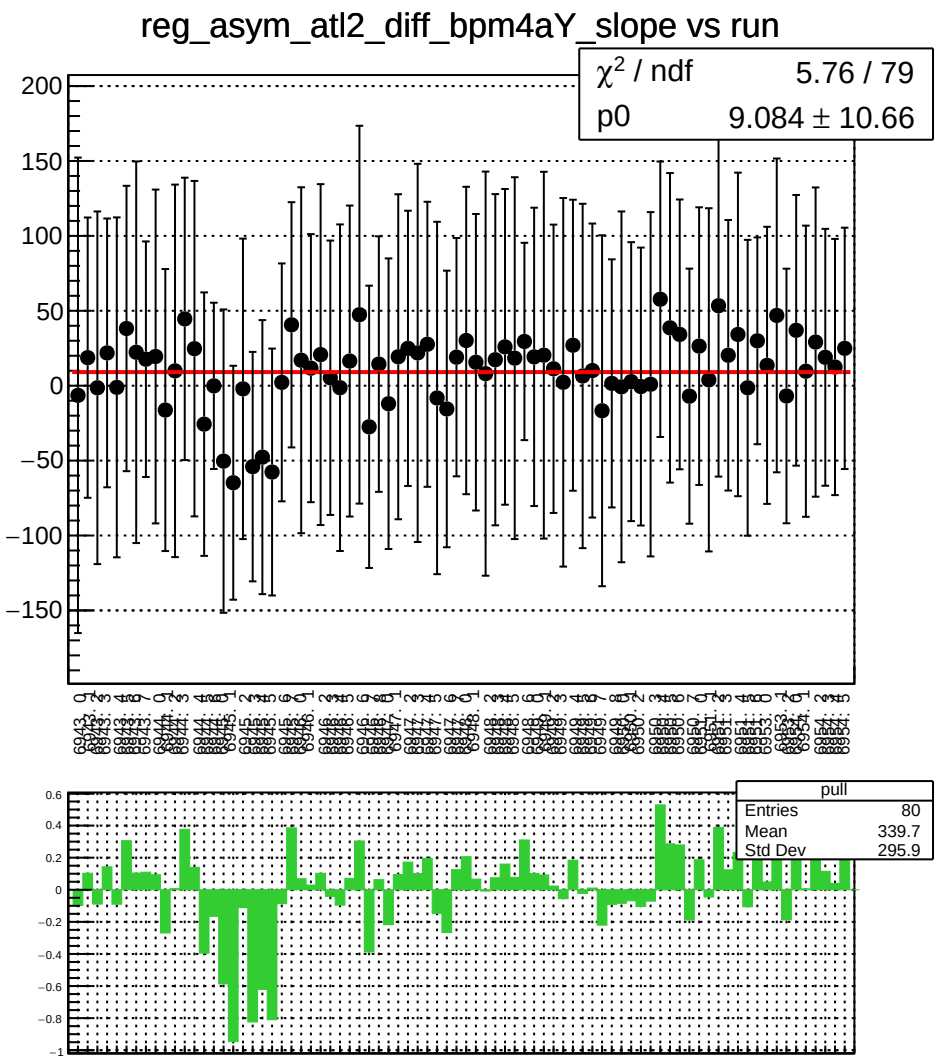

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 59.59 / 79
p0 −3.704 ± 2.503
50
0
−50
−100
−150
pull
Entries 80
Mean −158.9
Std Dev 177.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

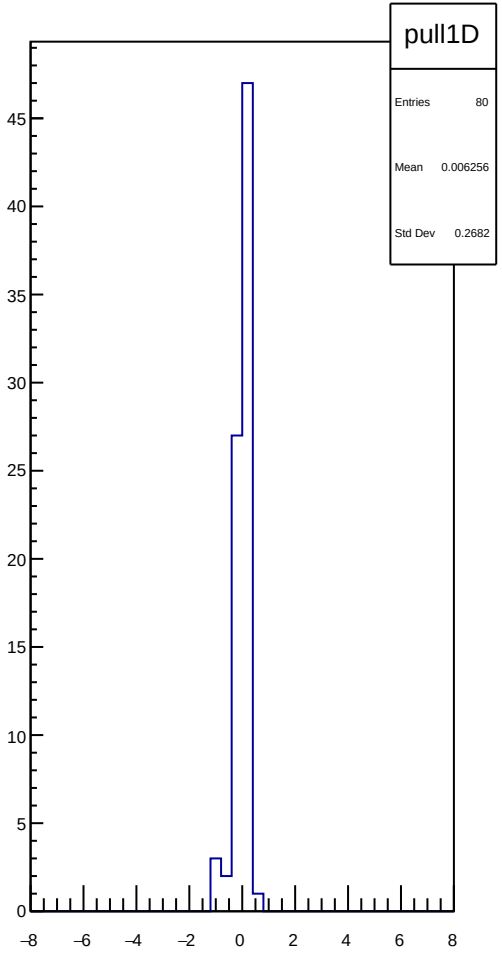

pull1D
Entries 80
Mean −0.01078
Std Dev 0.863
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

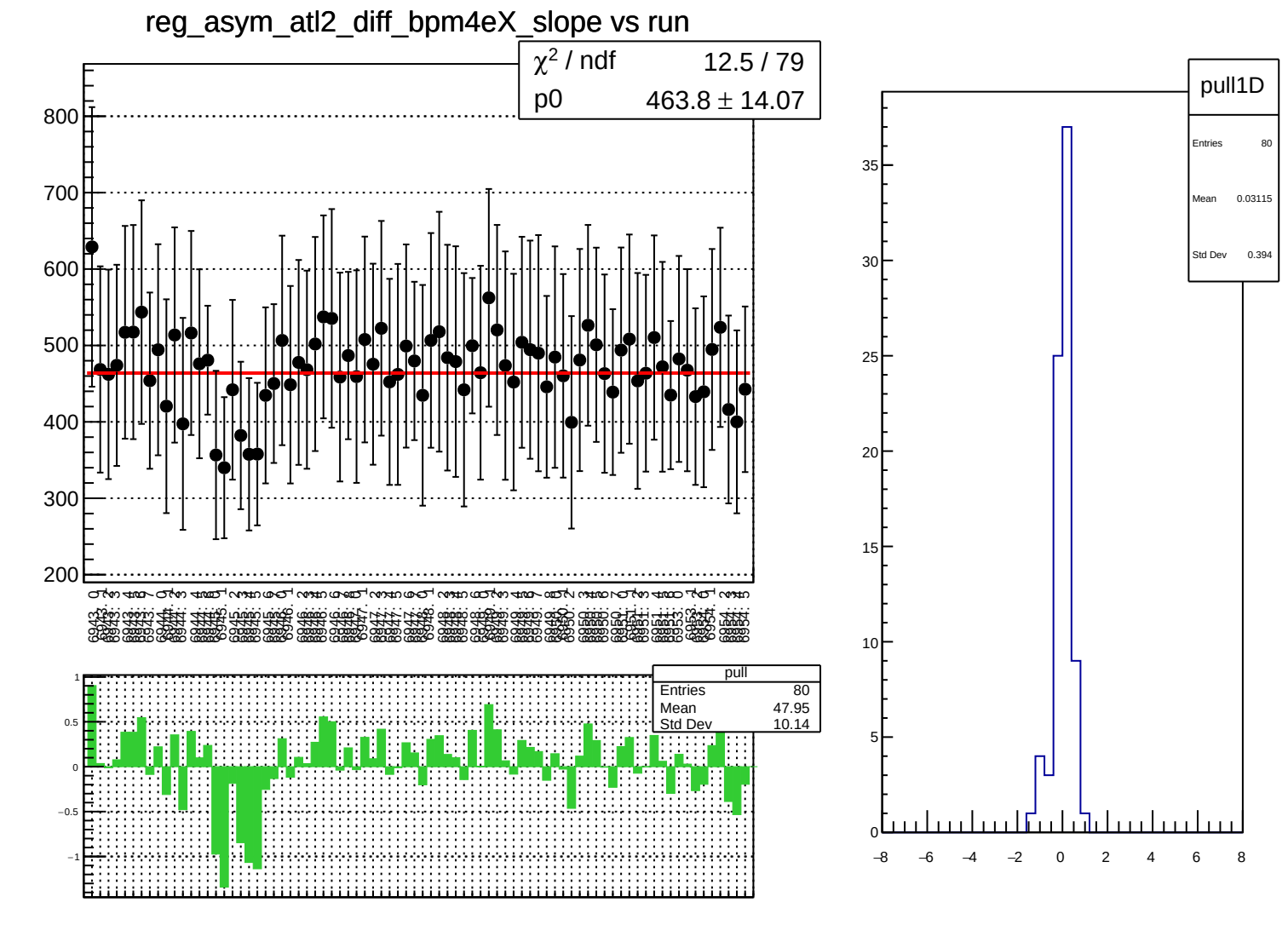

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 98.79 / 79
p0 −22.37 ± 0.09878
pull
Entries 80
Mean −8.432
Std Dev 39.98
pull1D
Entries 80
Mean −0.03447
Std Dev 1.111

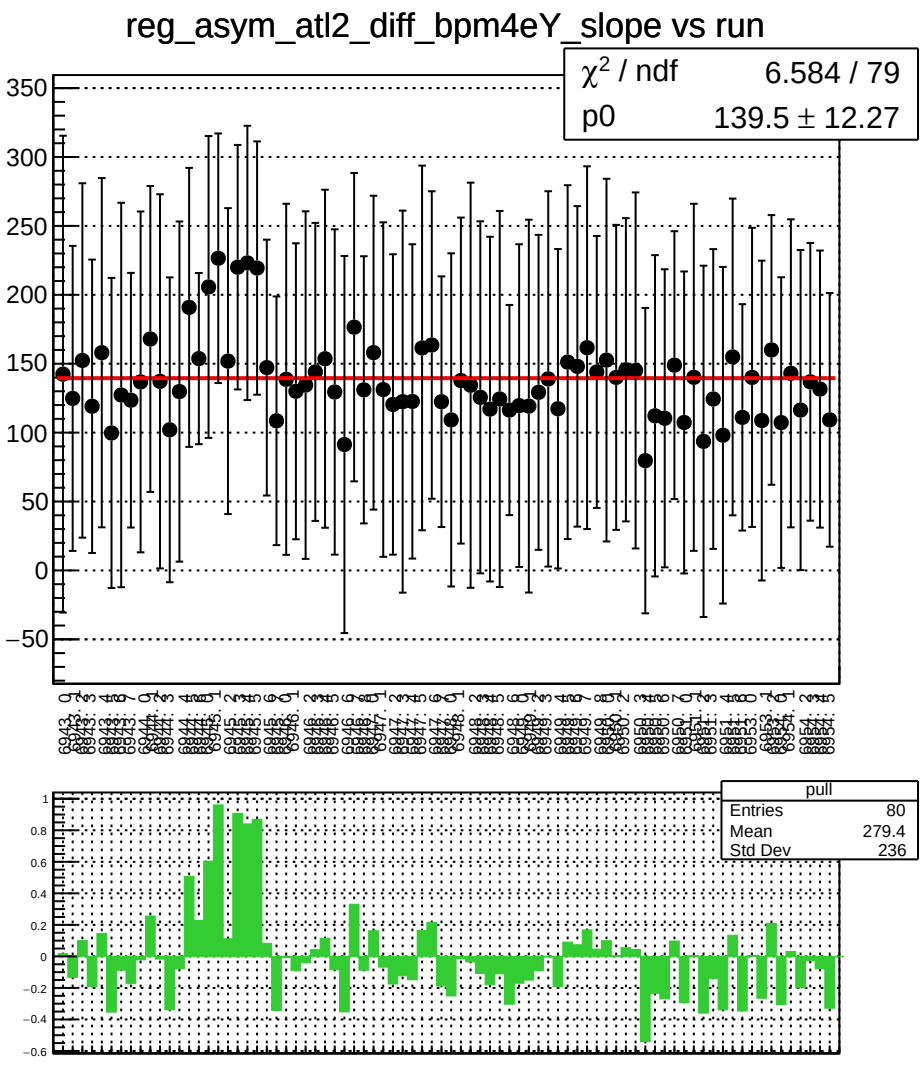

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 12.48 / 79
p0 −568.1± 15.08
−300
−400
−500
−600
−700
−800
−900
pull
Entries 80
Mean 44.07
Std Dev 8.224
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

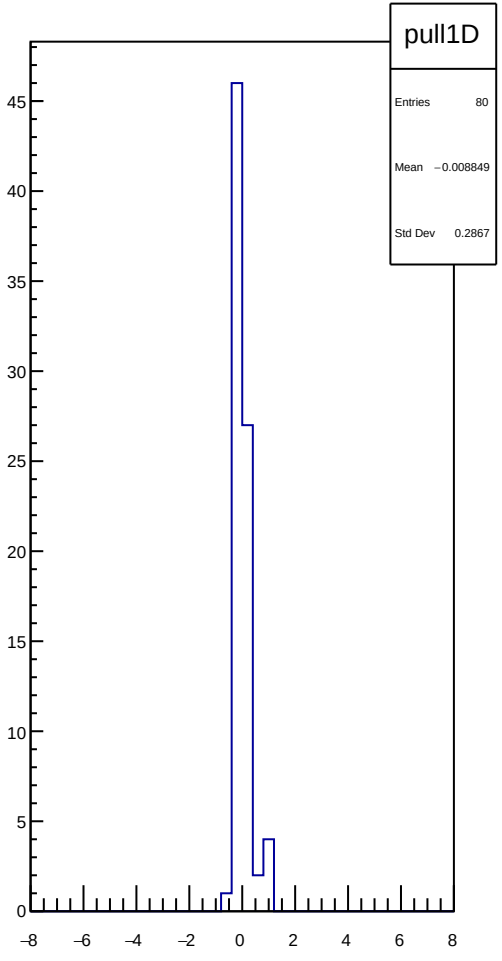

pull1D
Entries 80
Mean −0.03082
Std Dev 0.3938
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

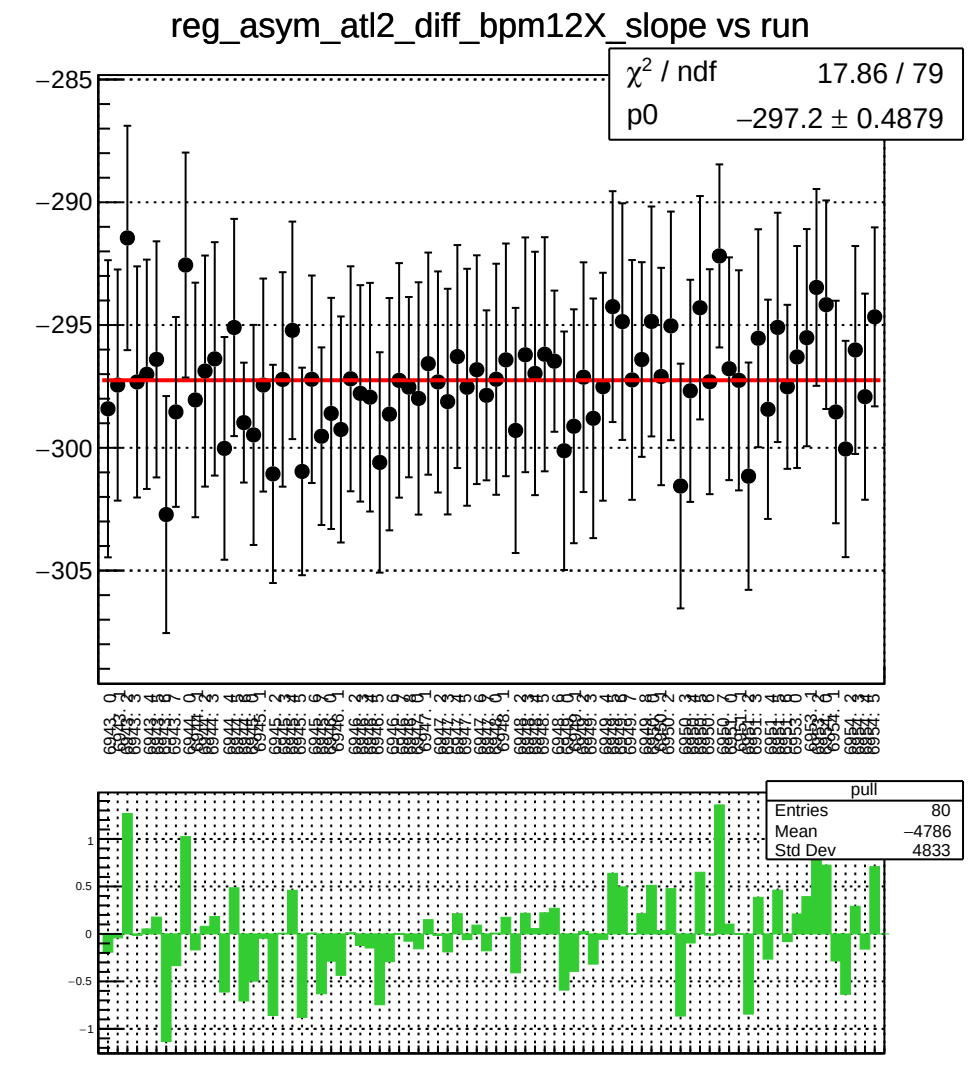

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.76 / 79
p0 9.084 ± 10.66
pull
Entries 80
Mean 339.7
Std Dev 295.9

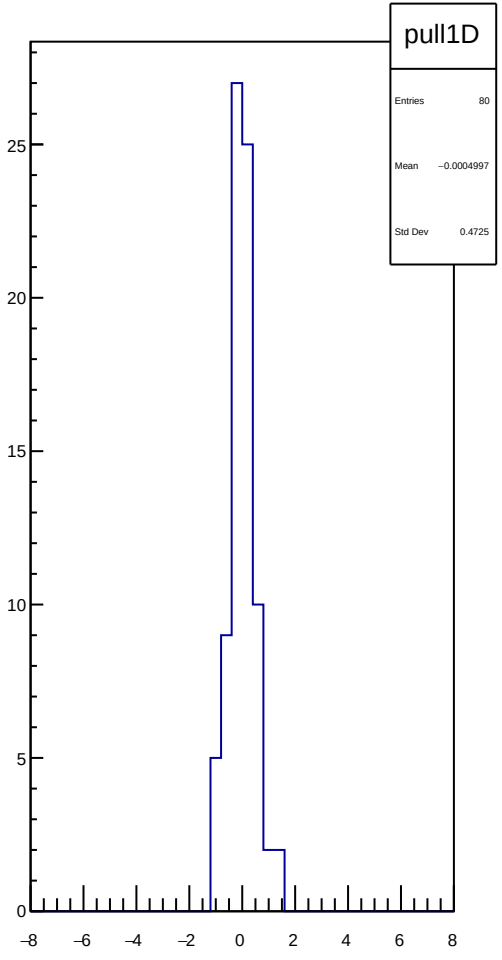

pull1D
Entries 80
Mean 0.006256
Std Dev 0.2682

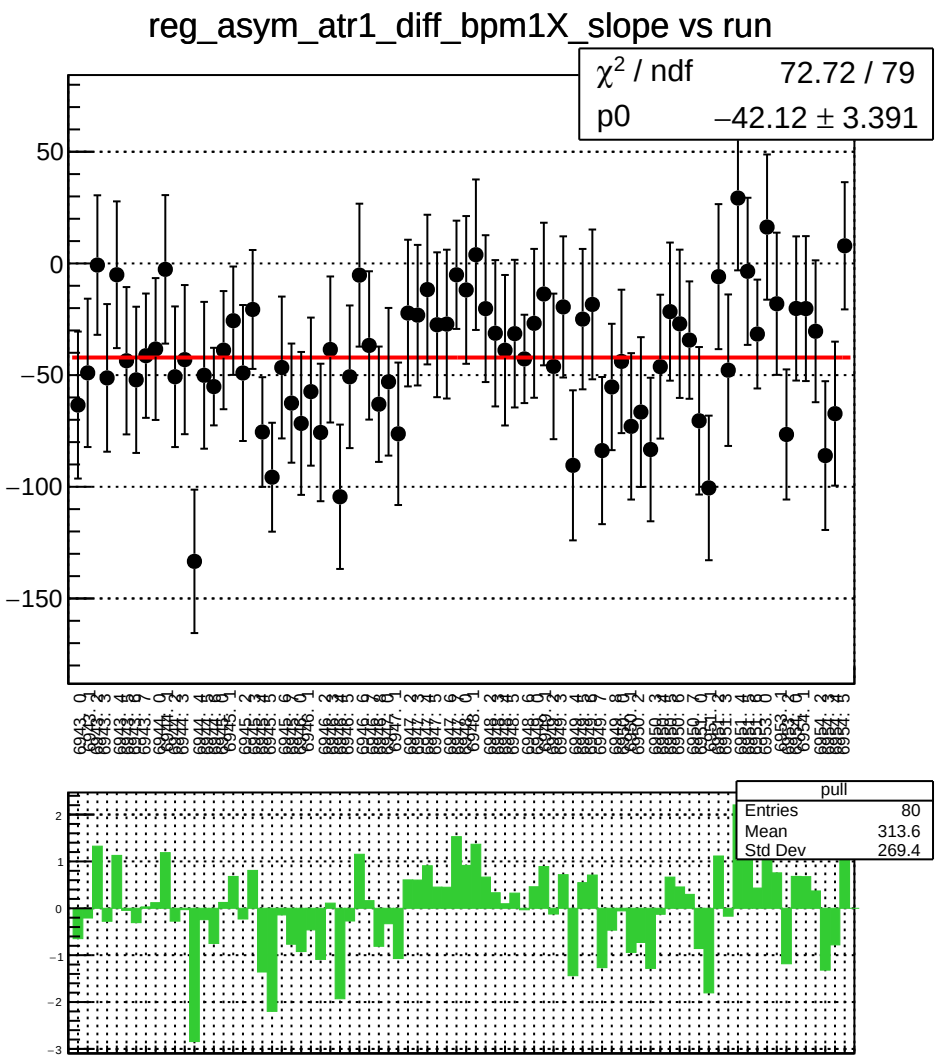

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 12.5 / 79
p0 463.8 ± 14.07
pull
Entries 80
Mean 47.95
Std Dev 10.14
pull1D
Entries 80
Mean 0.03115
Std Dev 0.394

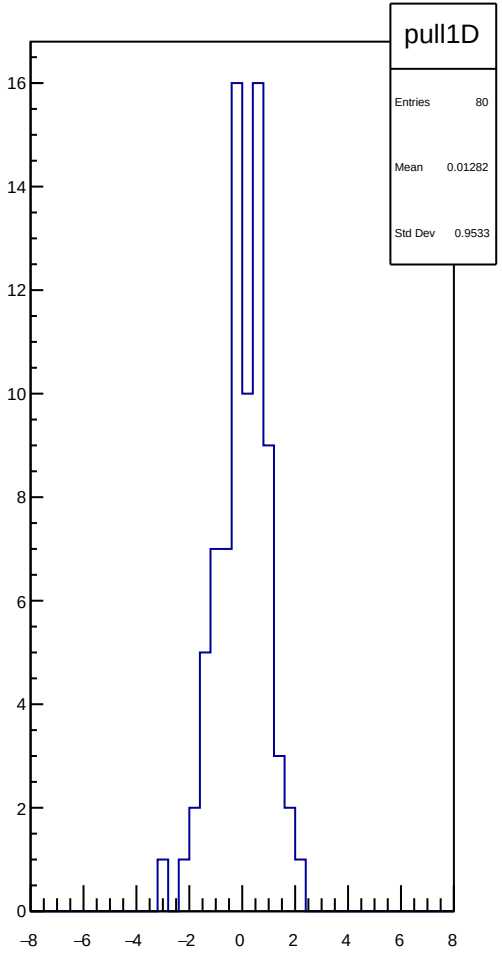

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.584 / 79
p0 139.5 ± 12.27
pull
Entries 80
Mean 279.4
Std Dev 236

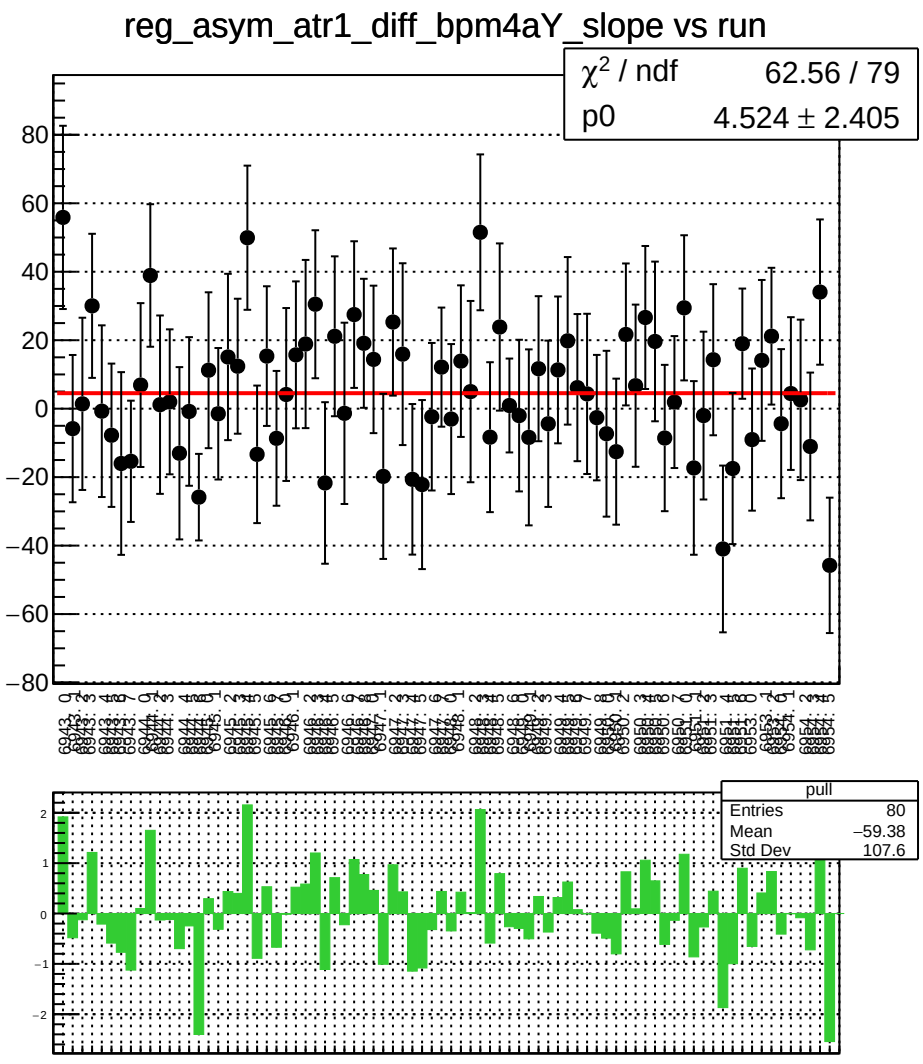

pull1D
Entries 80
Mean −0.008849
Std Dev 0.2867

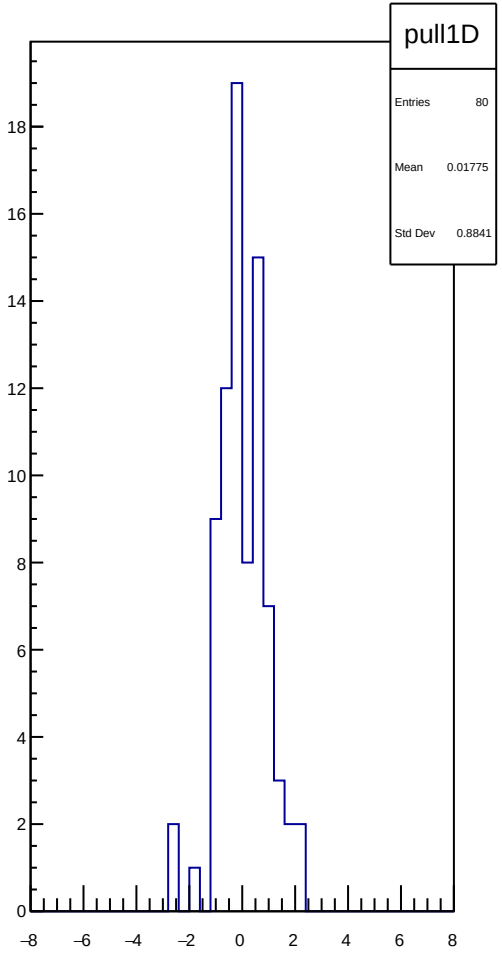

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 17.86 / 79
p0 −297.2 ± 0.4879
−285
−290
−295
−300
−305
pull
Entries 80
Mean −4786
Std Dev 4833
1
0.5
0
−0.5
−1

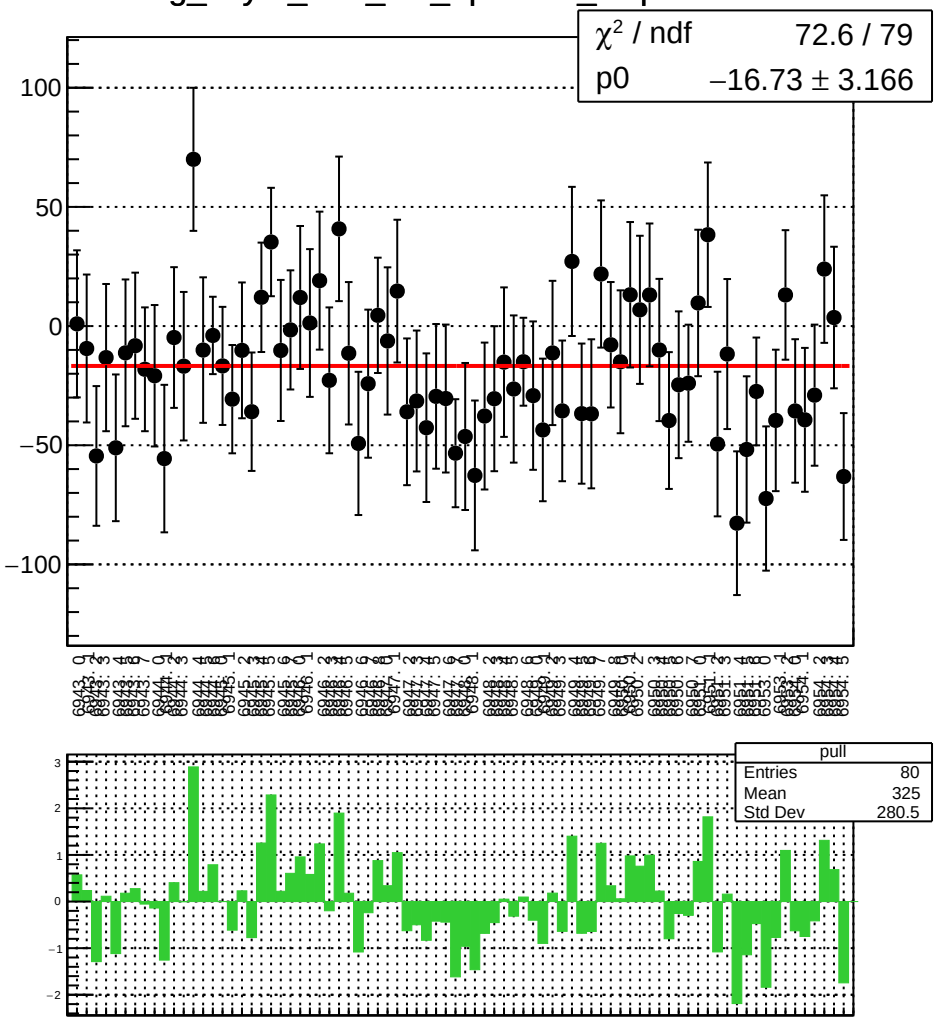

pull1D
Entries 80
Mean −0.0004997
Std Dev 0.4725
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

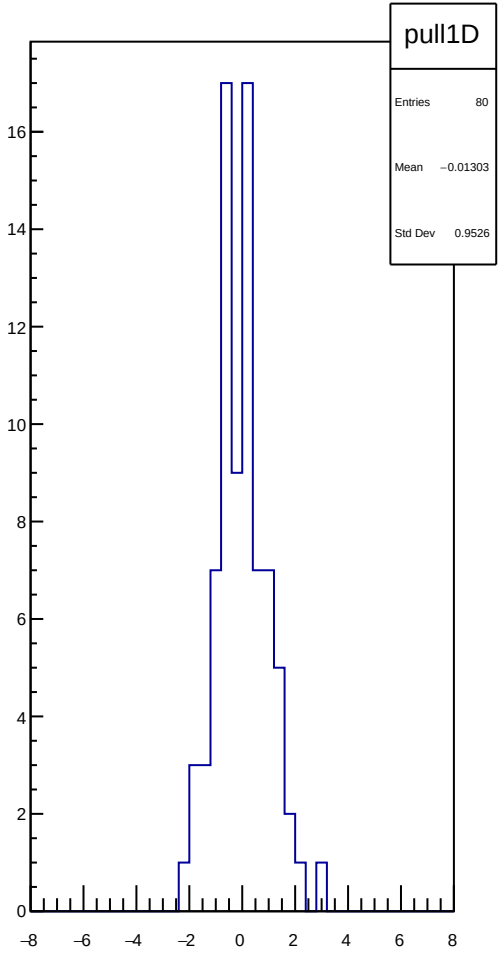

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 72.72 / 79
p0 −42.12 ± 3.391
pull
Entries 80
Mean 313.6
Std Dev 269.4

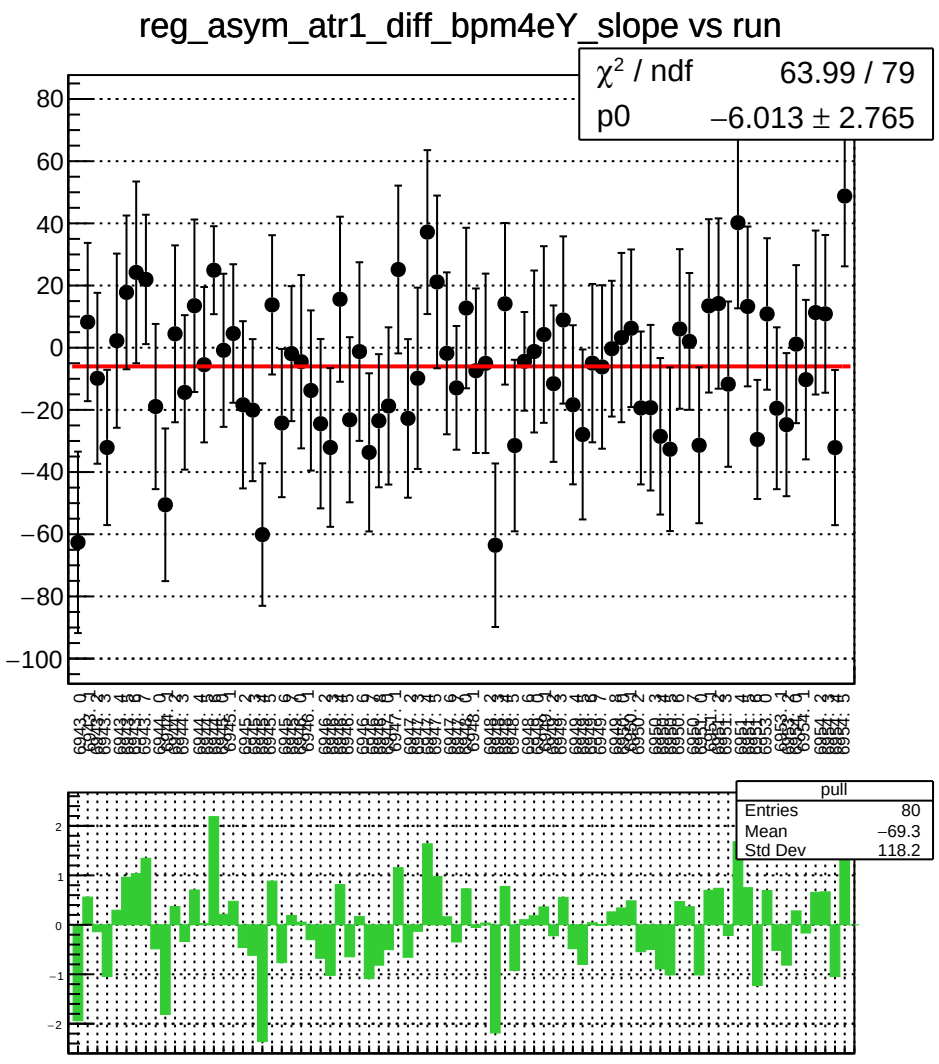

pull1D
Entries 80
Mean 0.01282
Std Dev 0.9533

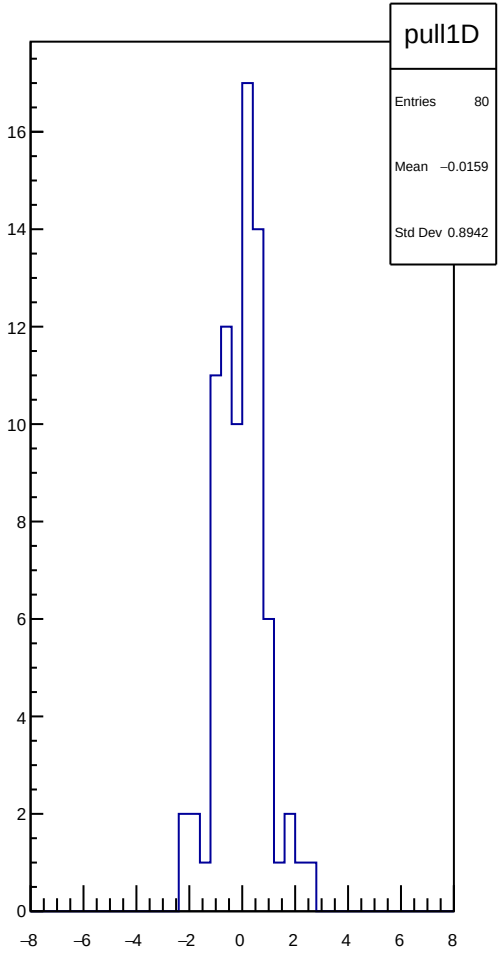

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 62.56 / 79
p0 4.524 ± 2.405
pull
Entries 80
Mean −59.38
Std Dev 107.6

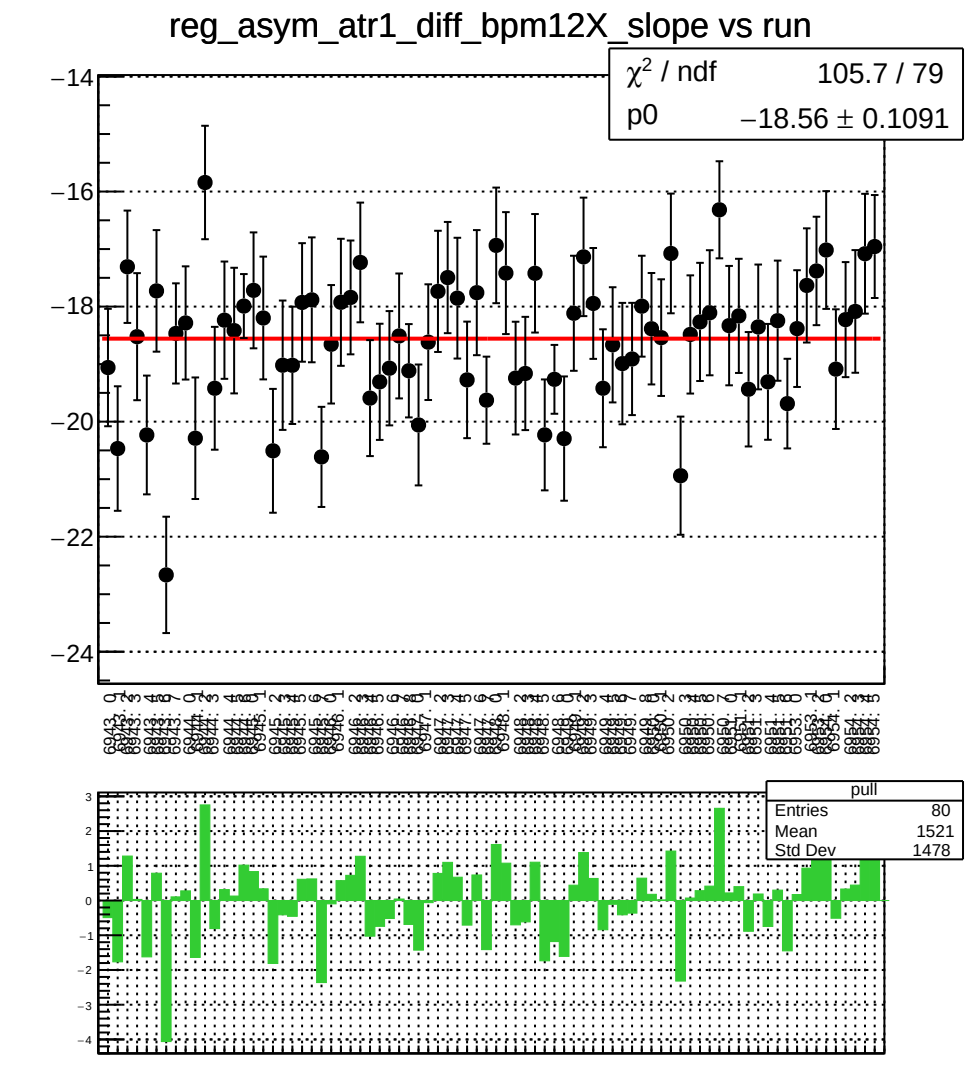

pull1D
Entries 80
Mean 0.01775
Std Dev 0.8841

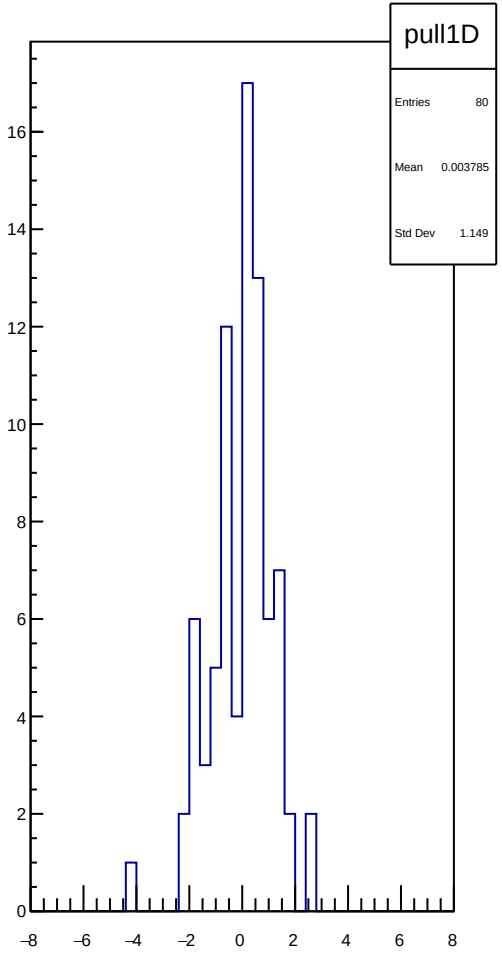

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 72.6 / 79
p0 −16.73 ± 3.166
pull
Entries 80
Mean 325
Std Dev 280.5

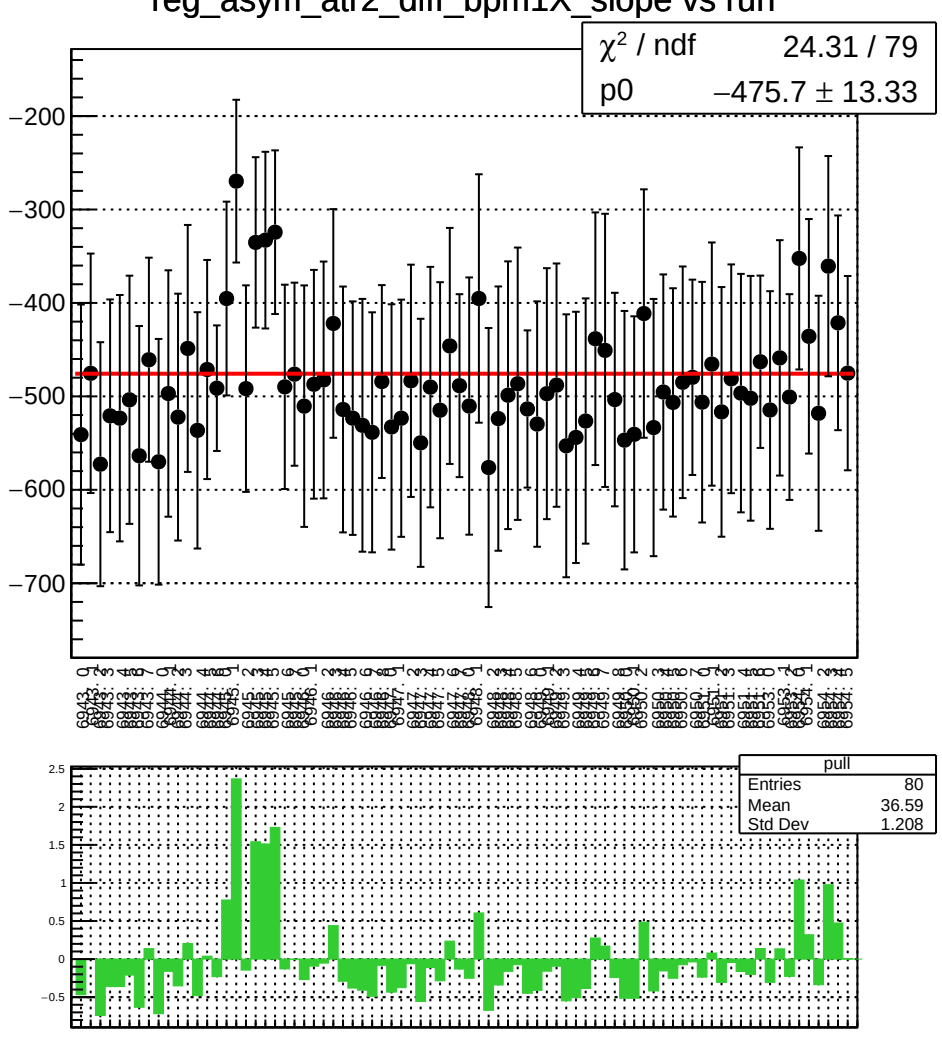

pull1D
Entries 80
Mean −0.01303
Std Dev 0.9526

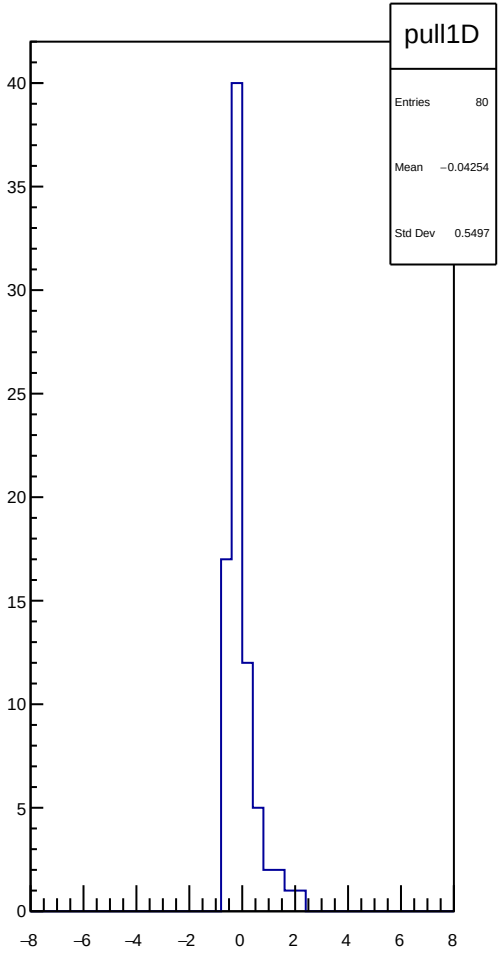

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 63.99 / 79
p0 −6.013 ± 2.765
pull
Entries 80
Mean −69.3
Std Dev 118.2

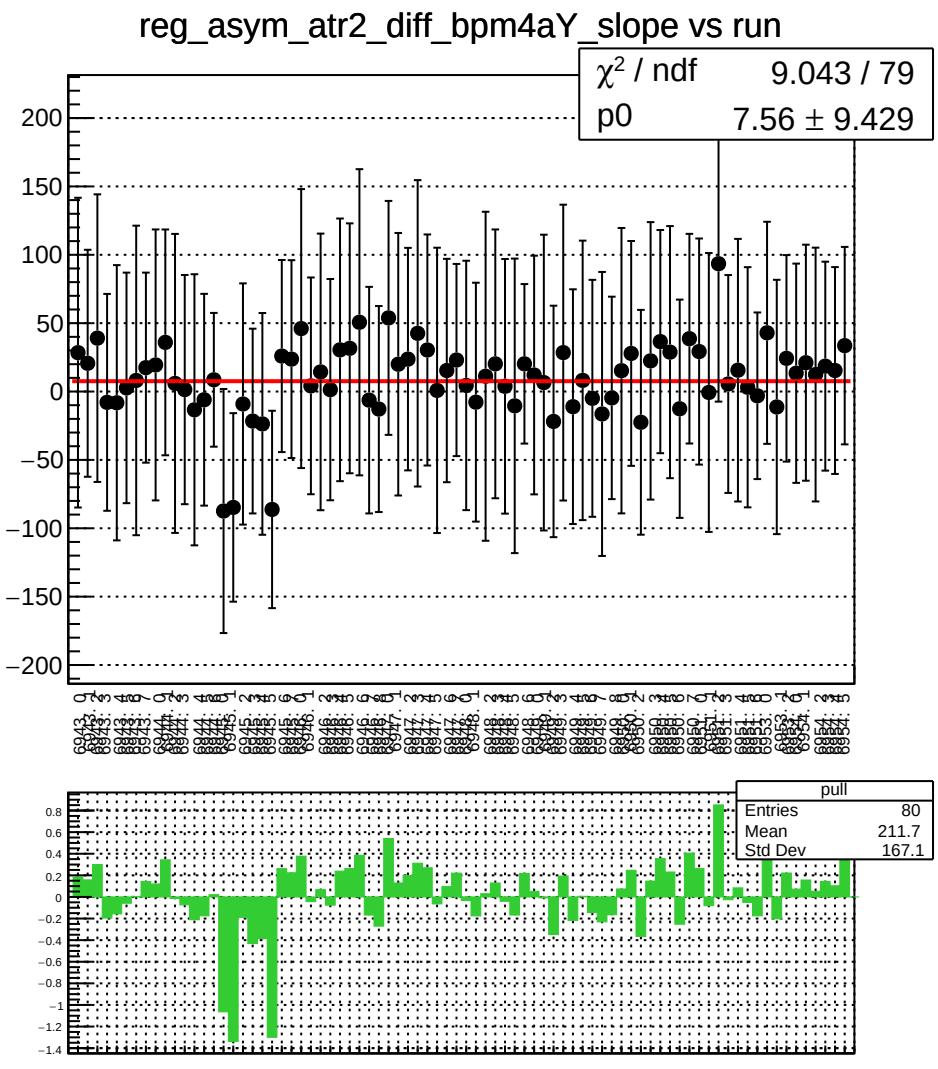

pull1D
Entries 80
Mean −0.0159
Std Dev 0.8942

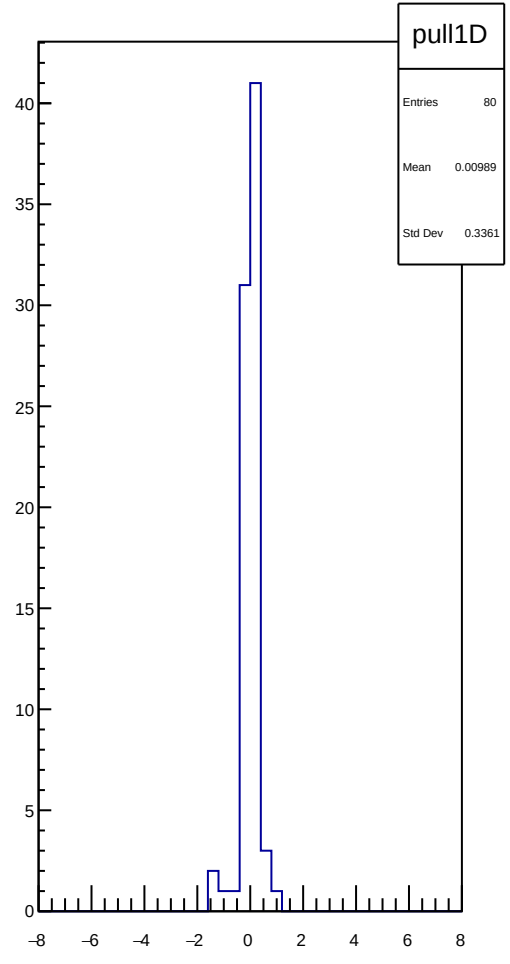

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 105.7 / 79
p0 −18.56 ± 0.1091
pull
Entries 80
Mean 1521
Std Dev 1478

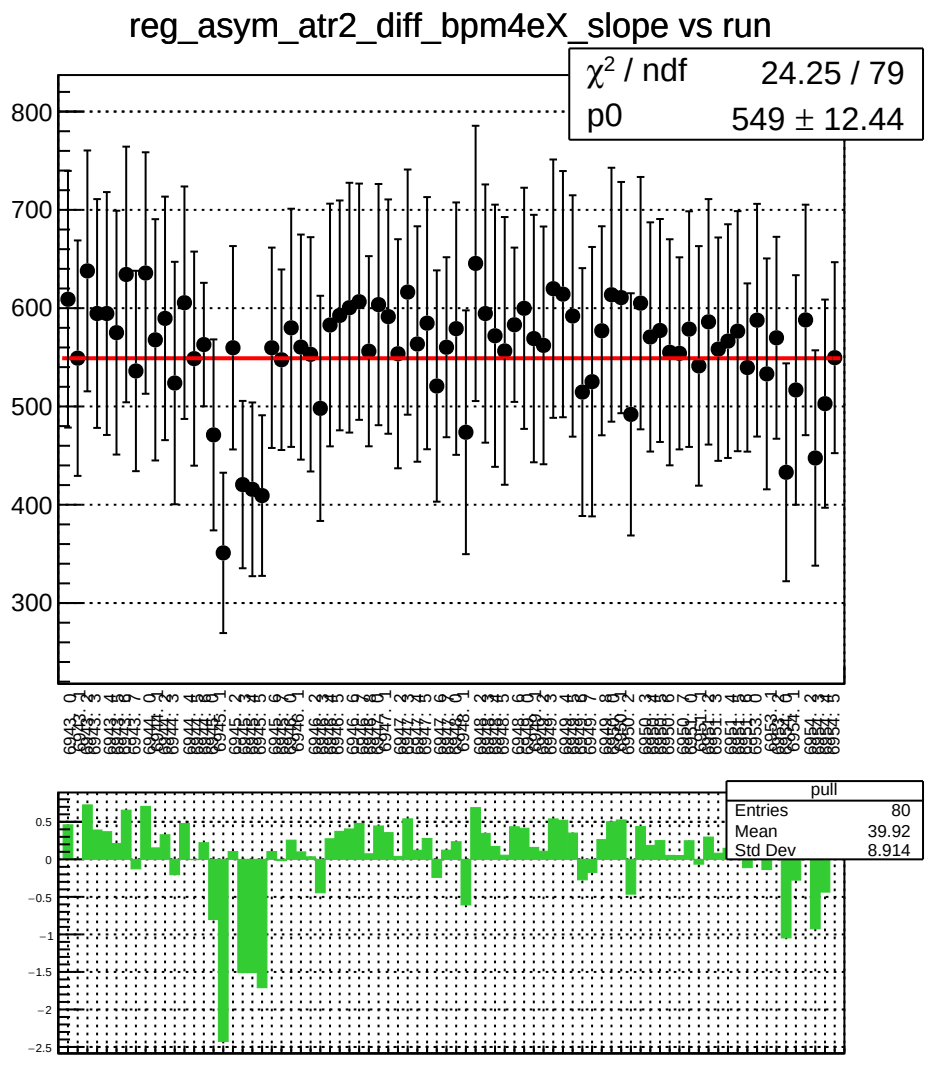

pull1D
Entries 80
Mean 0.003785
Std Dev 1.149

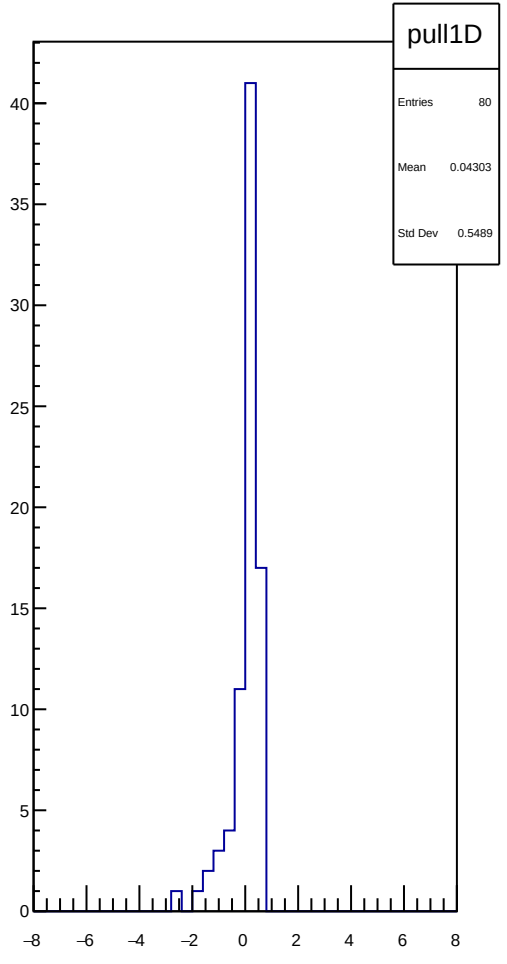

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 24.31 / 79
p0 −475.7 ± 13.33
pull
Entries 80
Mean 36.59
Std Dev 1.208

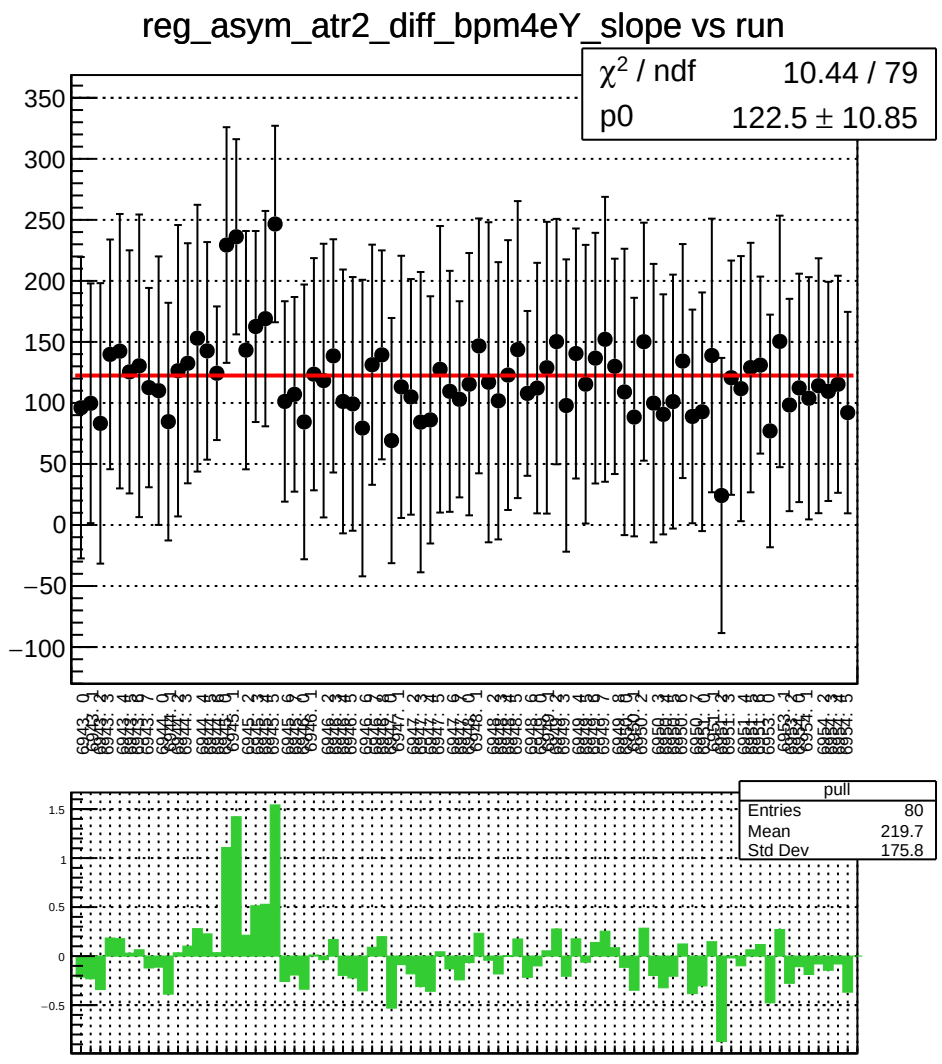

pull1D
Entries 80
Mean −0.04254
Std Dev 0.5497

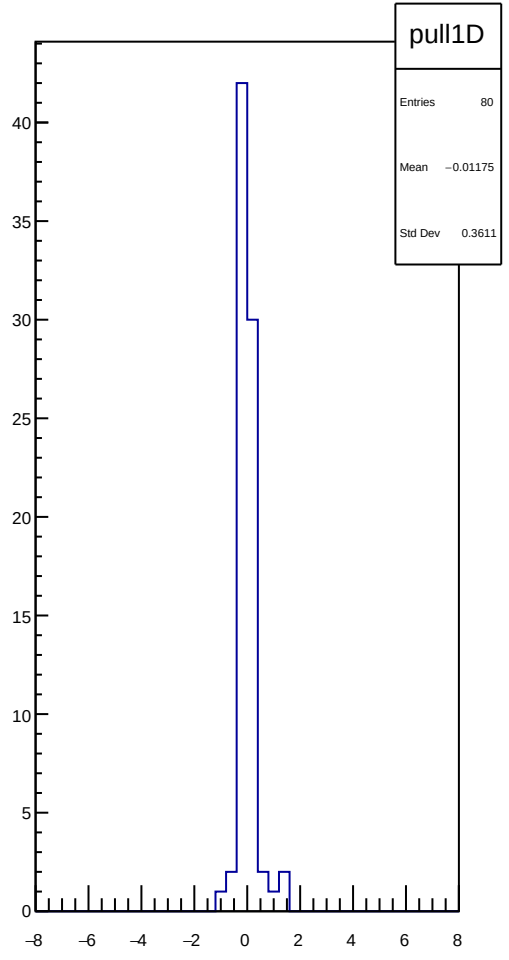

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 9.043 / 79
p0 7.56 ± 9.429
pull
Entries 80
Mean 211.7
Std Dev 167.1

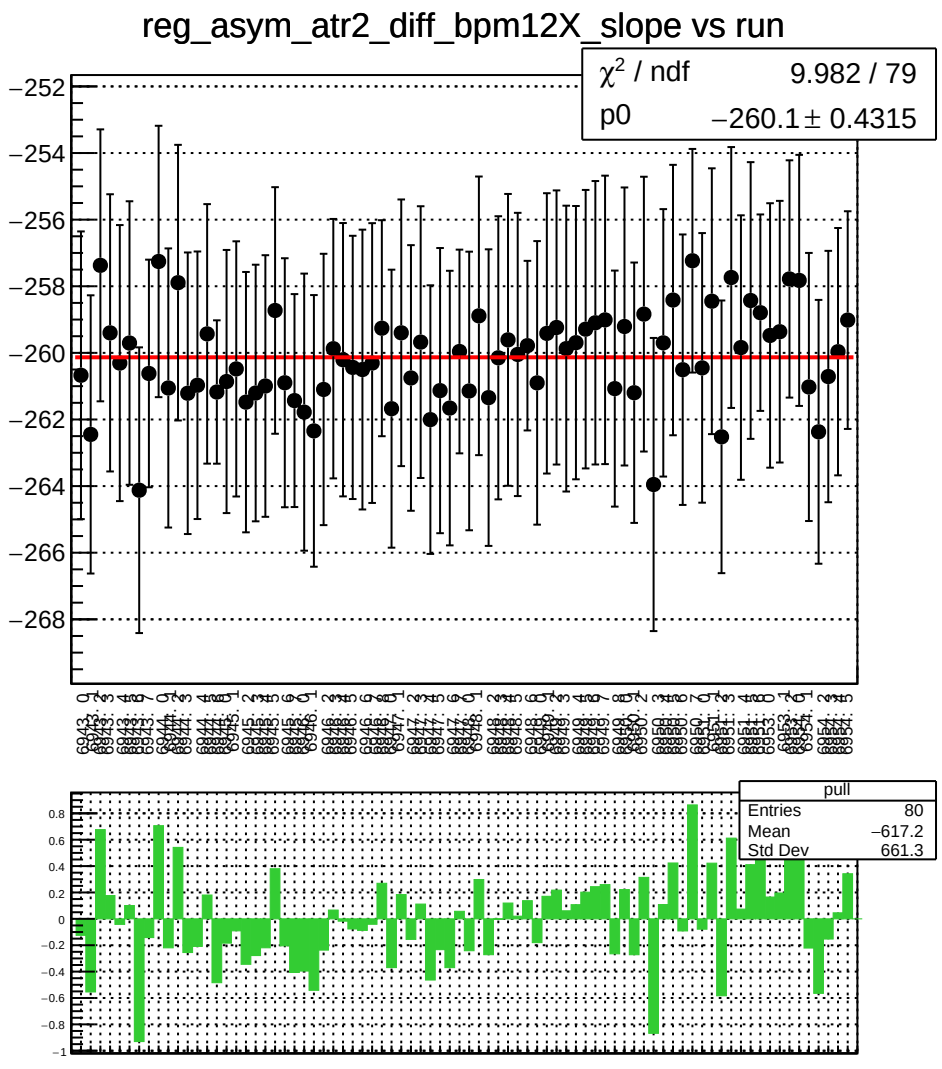

pull1D
Entries 80
Mean 0.00989
Std Dev 0.3361

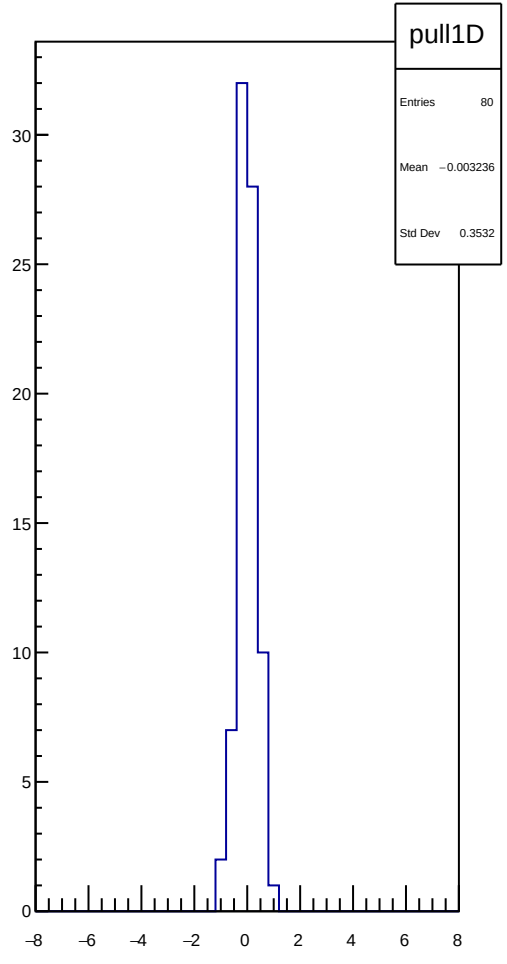

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 24.25 / 79
p0 549 ± 12.44
800
700
600
500
400
300
pull
Entries 80
Mean 39.92
Std Dev 8.914
0.5
0
−0.5
−1
−1.5
−2
−2.5

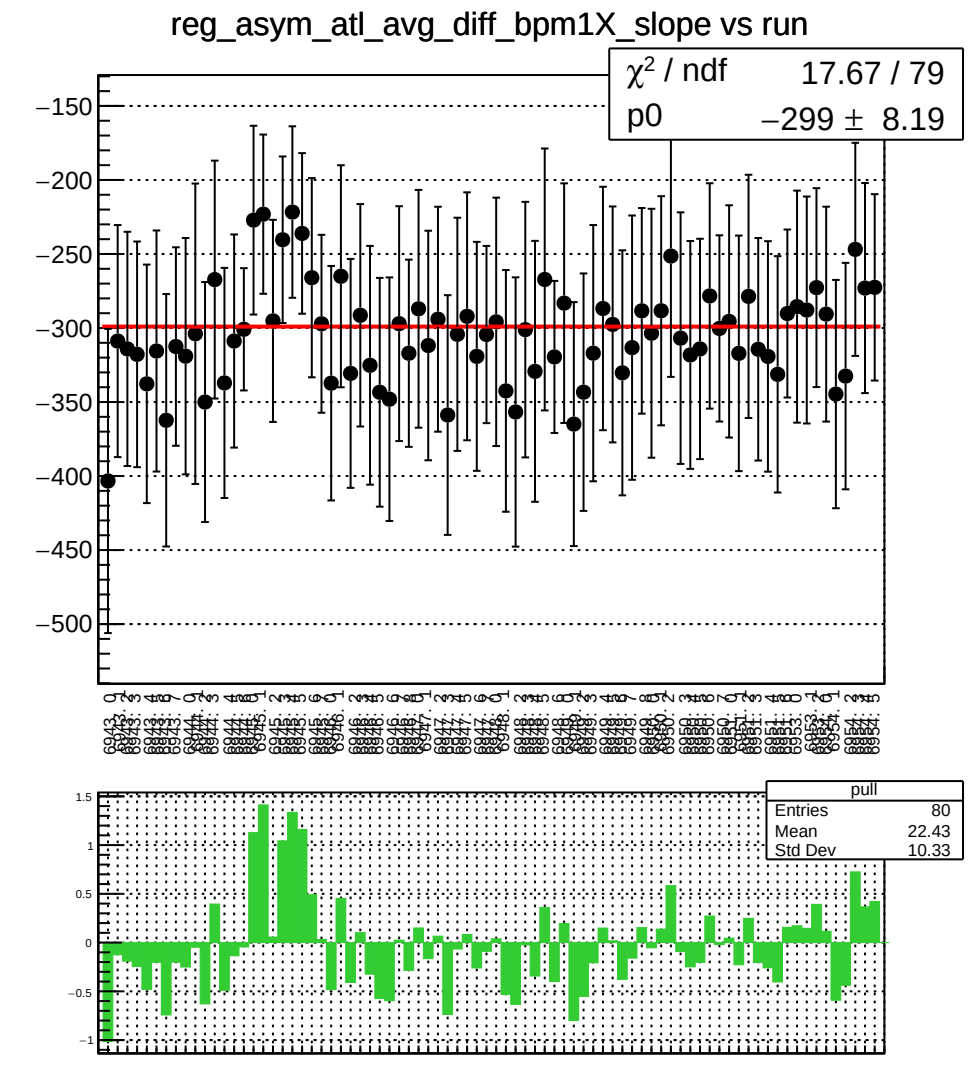

pull1D
Entries 80
Mean 0.04303
Std Dev 0.5489
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

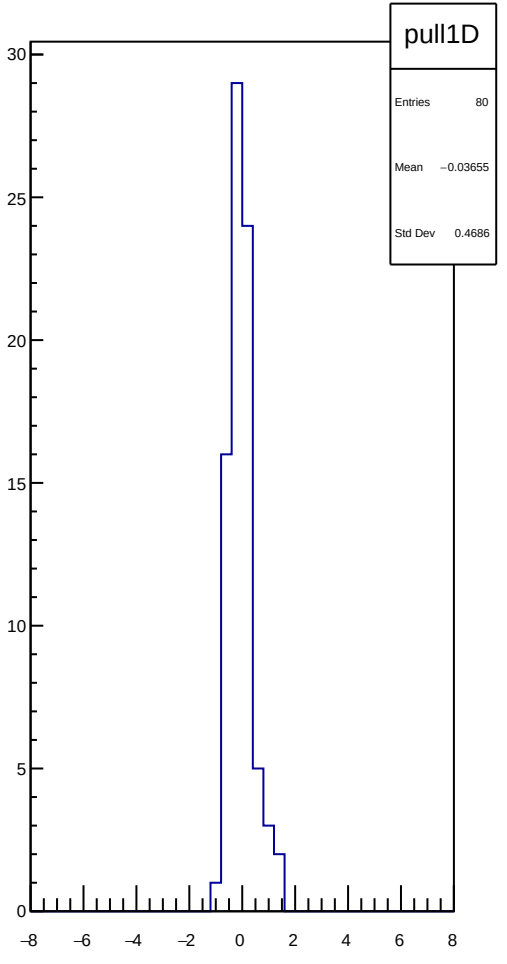

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 10.44 / 79
p0 122.5 ± 10.85
pull
Entries 80
Mean 219.7
Std Dev 175.8

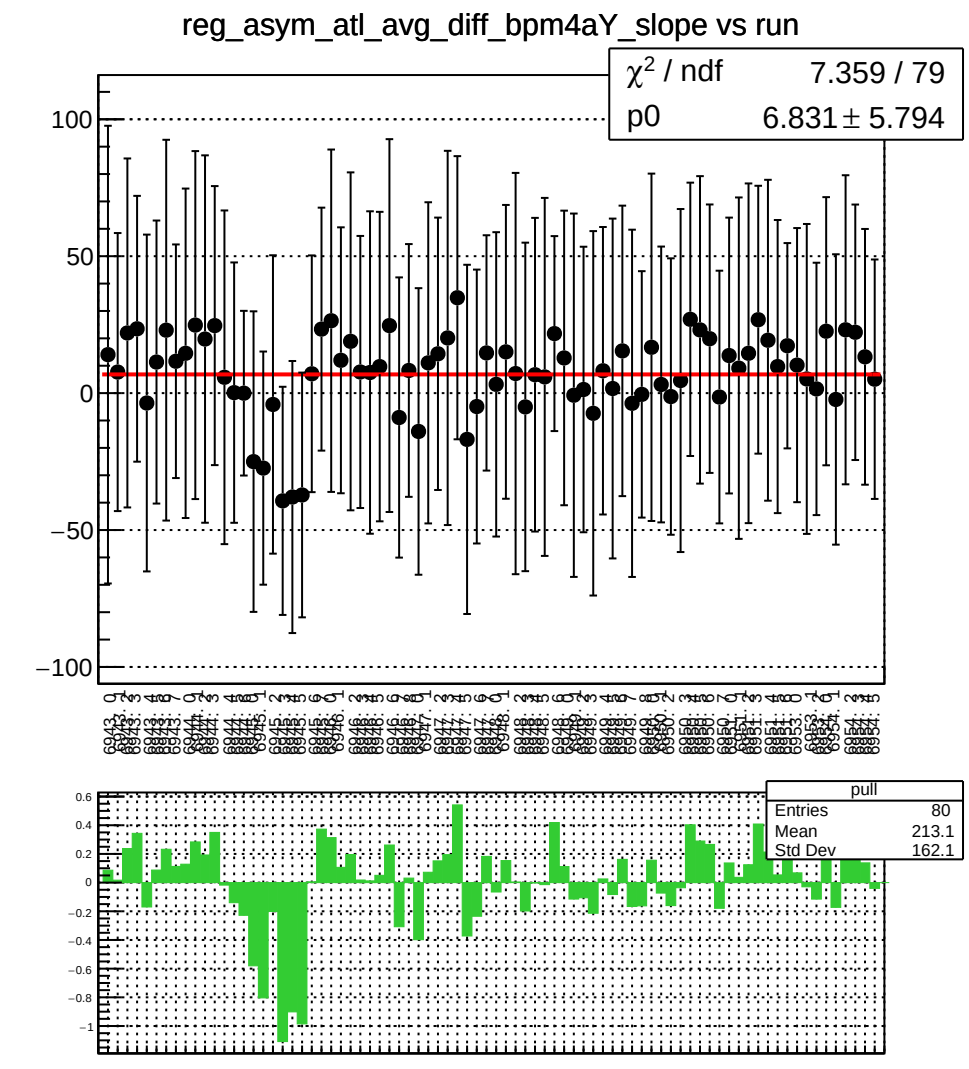

pull1D
Entries 80
Mean −0.01175
Std Dev 0.3611

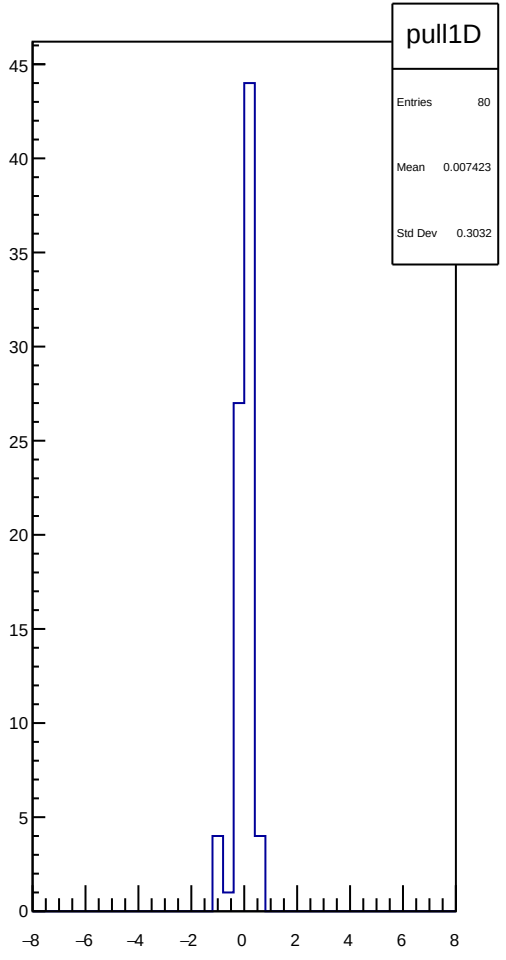

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 9.982 / 79
p0 −260.1 ± 0.4315
pull
Entries 80
Mean −617.2
Std Dev 661.3

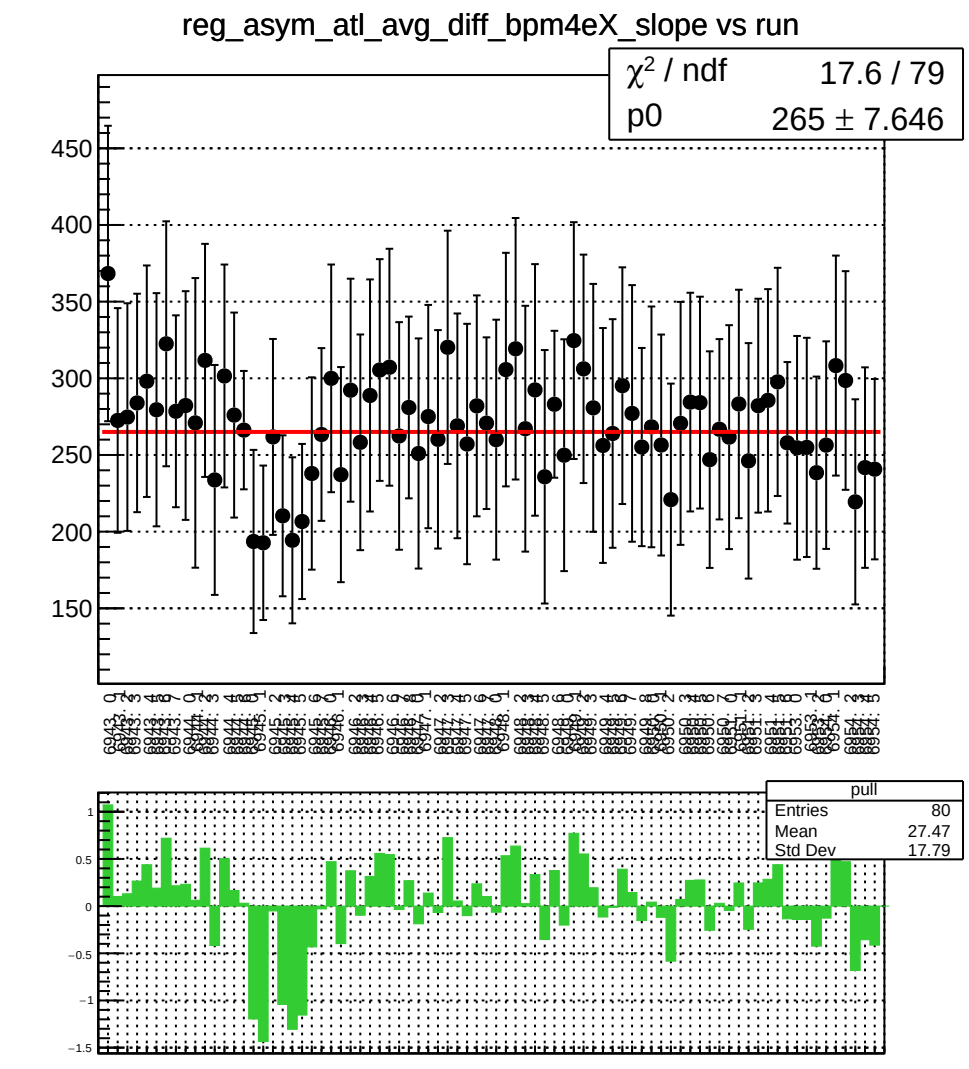

pull1D
Entries 80
Mean −0.003236
Std Dev 0.3532

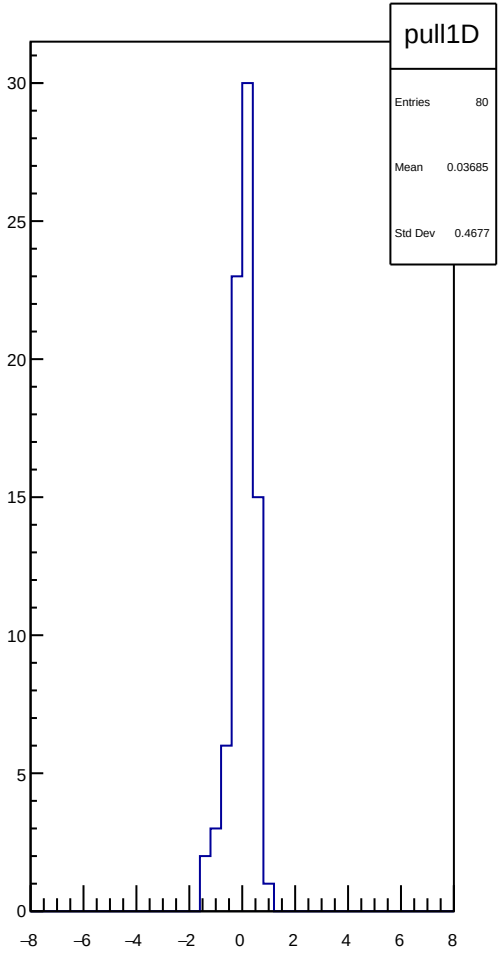

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 17.67 / 79
p0 −299 ± 8.19
−150
−200
−250
−300
−350
−400
−450
−500
pull
Entries 80
Mean 22.43
Std Dev 10.33
1.5
1
0.5
0
−0.5
−1

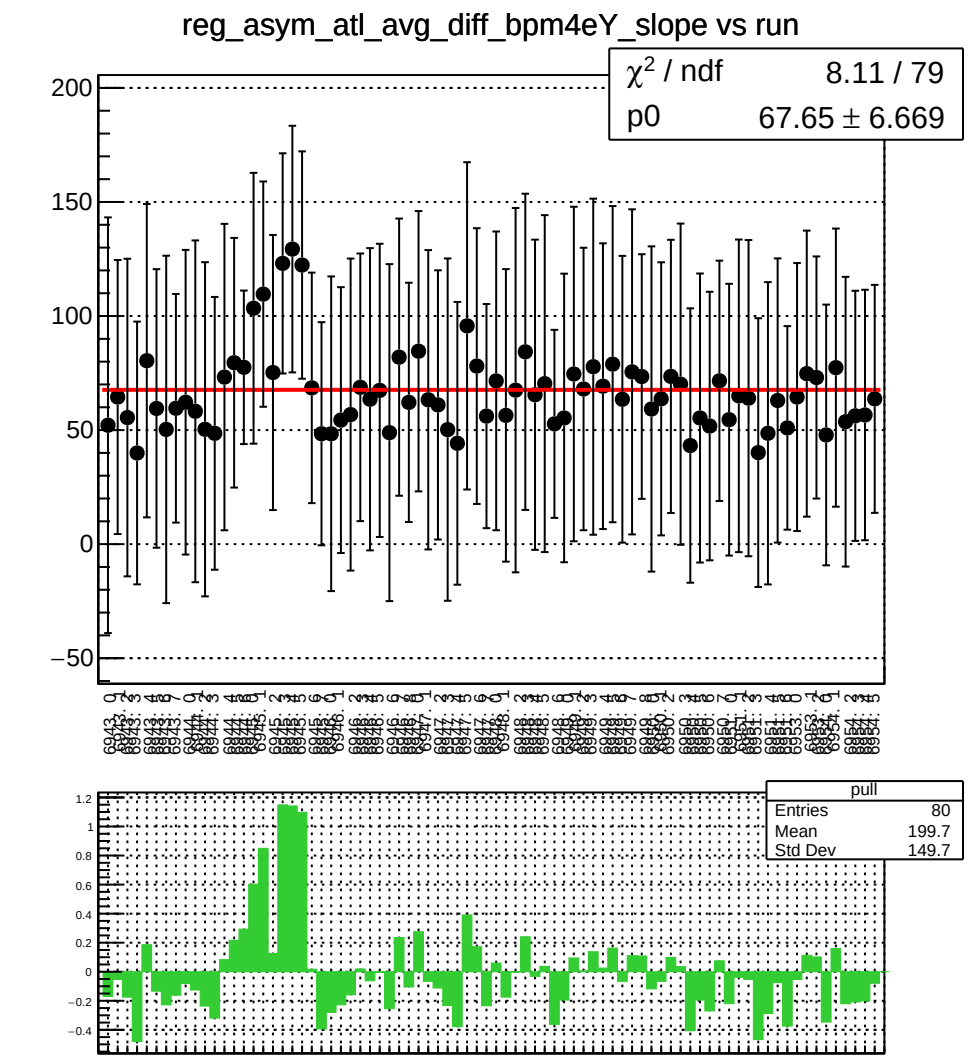

pull1D
Entries 80
Mean −0.03655
Std Dev 0.4686
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

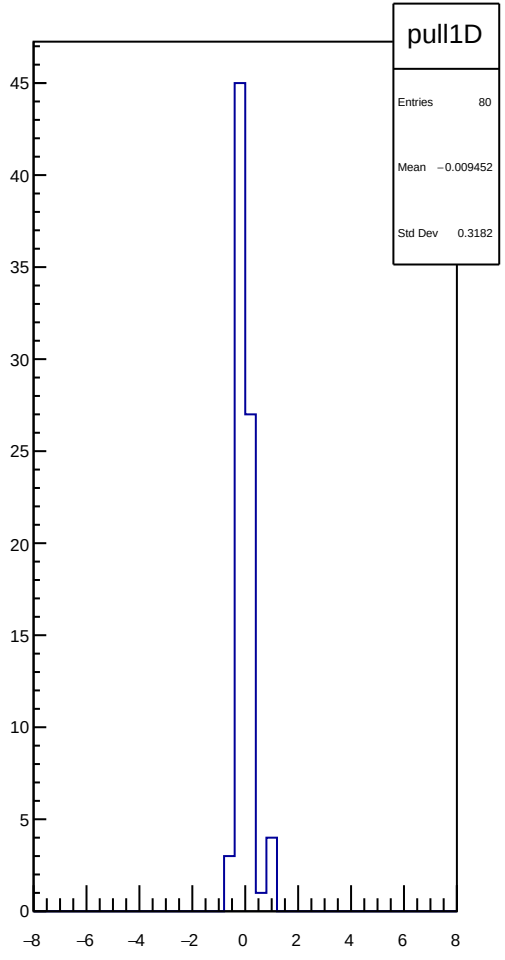

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.359 / 79
p0 6.831 ± 5.794
100
50
0
−50
−100
pull
Entries 80
Mean 213.1
Std Dev 162.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

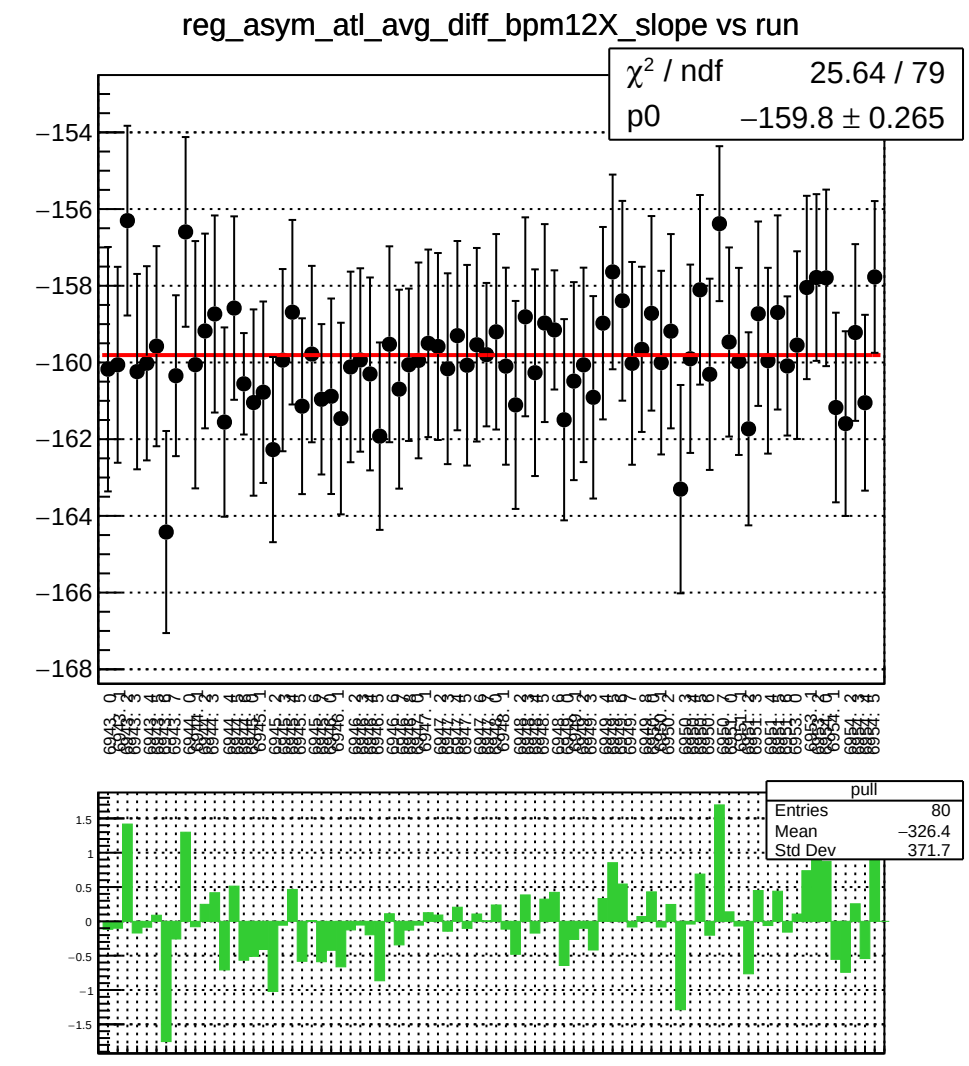

pull1D
Entries 80
Mean 0.007423
Std Dev 0.3032
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

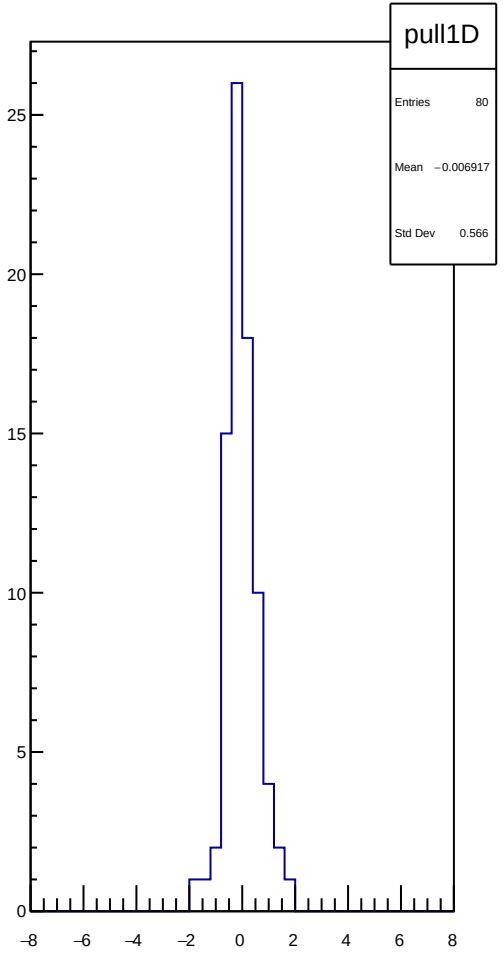

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.6 / 79
p0 265 ± 7.646
pull
Entries 80
Mean 27.47
Std Dev 17.79

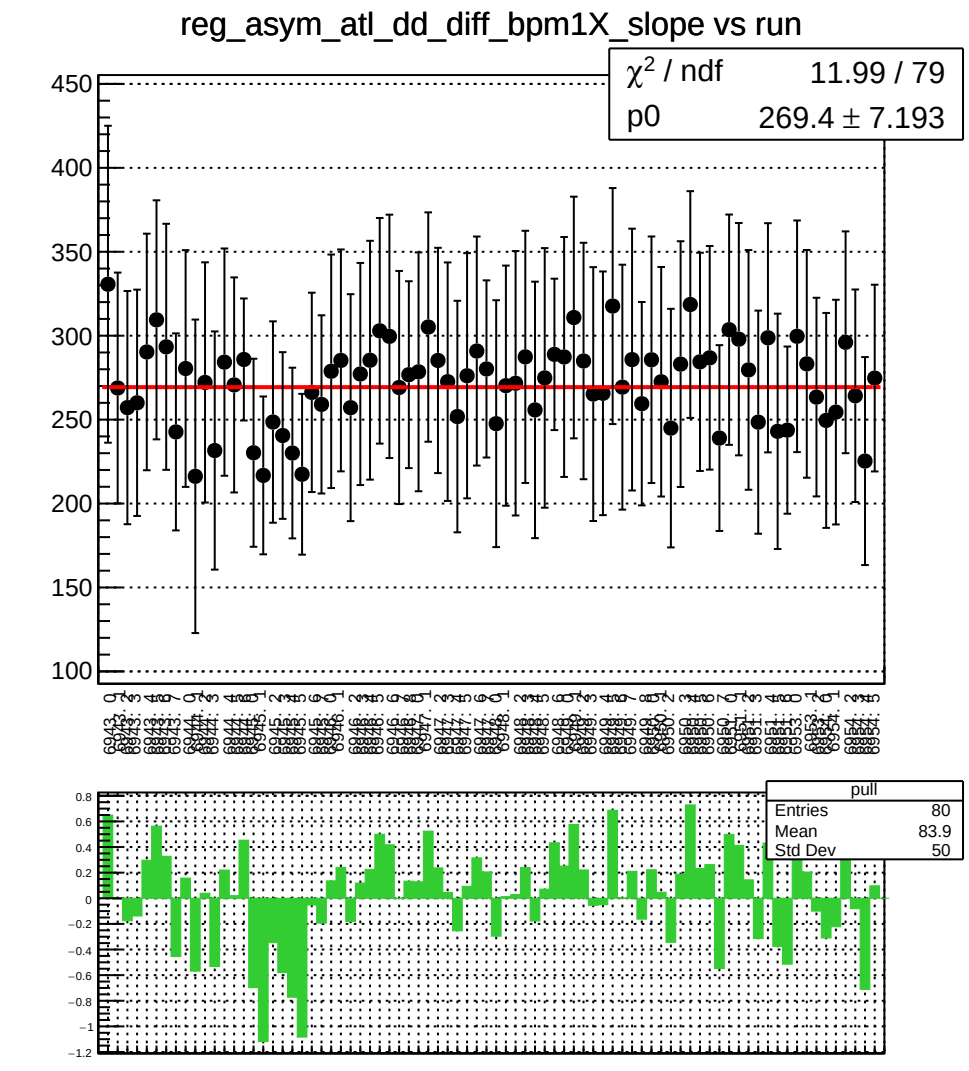

pull1D
Entries 80
Mean 0.03685
Std Dev 0.4677

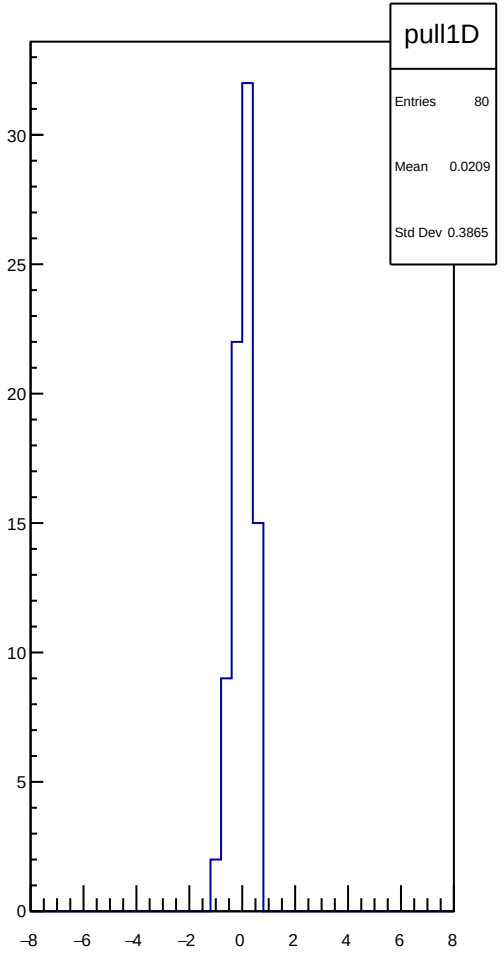

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.11 / 79
p0 67.65 ± 6.669
200
150
100
50
0
−50
pull
Entries 80
Mean 199.7
Std Dev 149.7
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

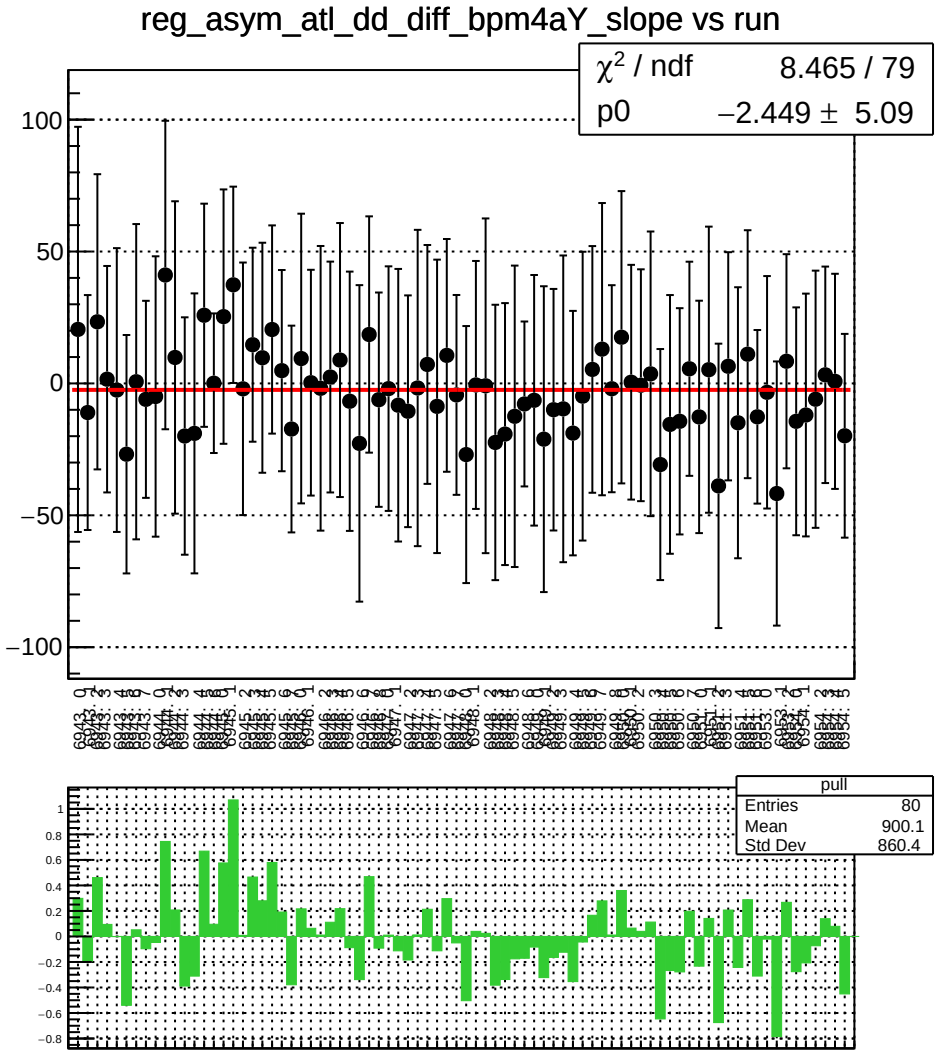

pull1D
Entries 80
Mean −0.009452
Std Dev 0.3182
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

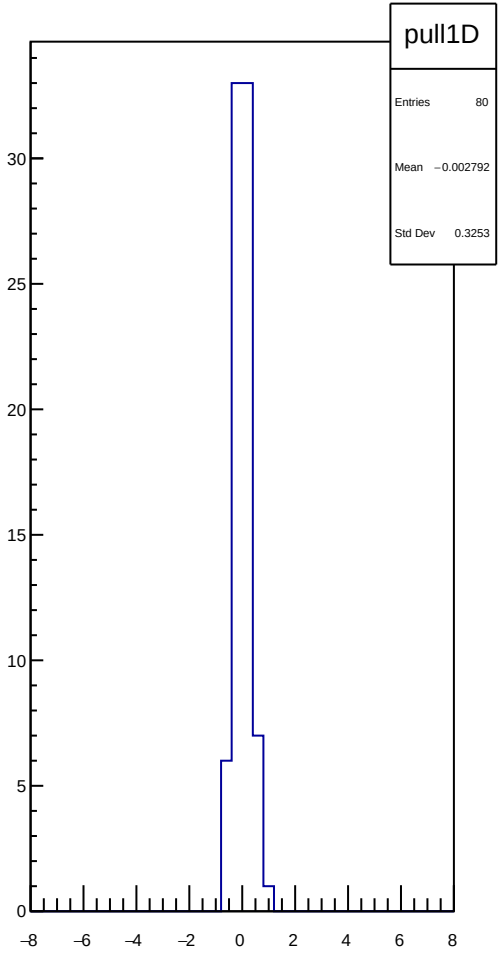

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 25.64 / 79
p0 −159.8 ± 0.265
pull
Entries 80
Mean −326.4
Std Dev 371.7

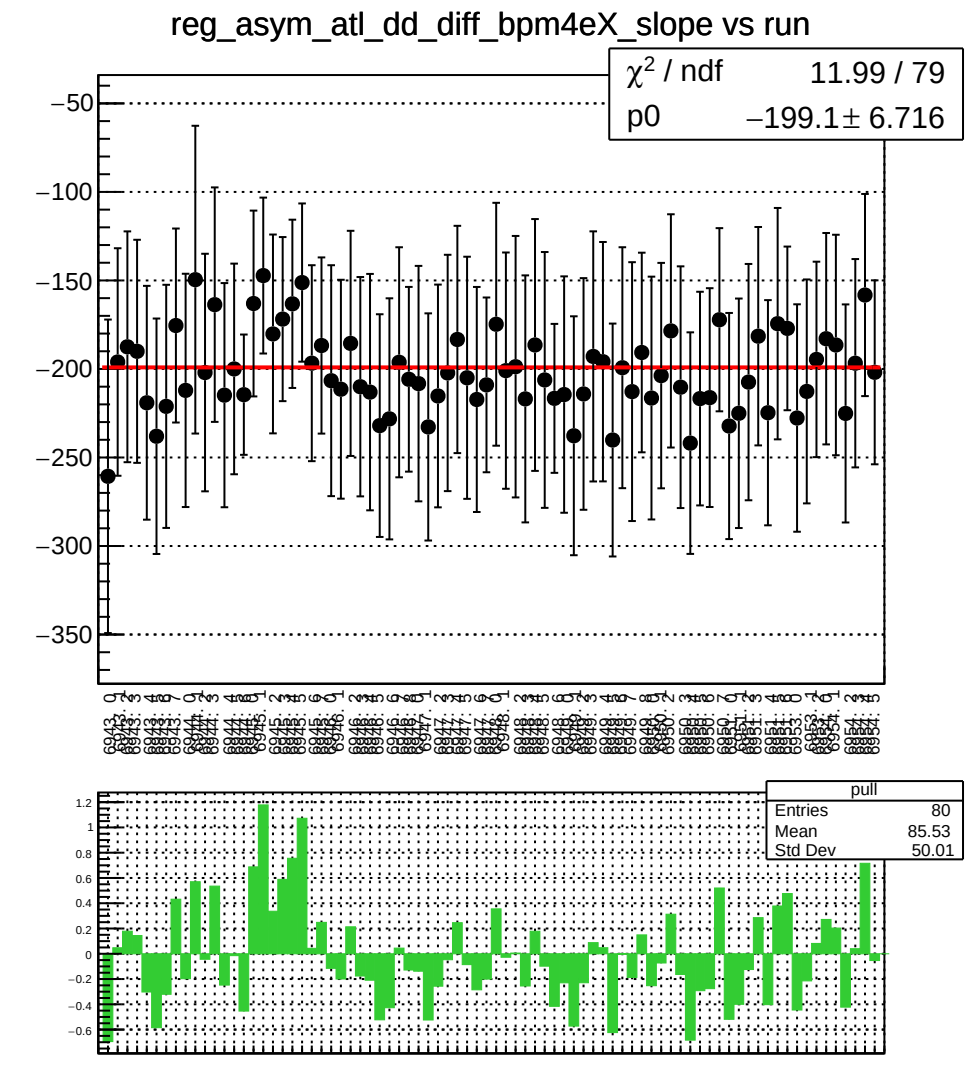

pull1D
Entries 80
Mean −0.006917
Std Dev 0.566

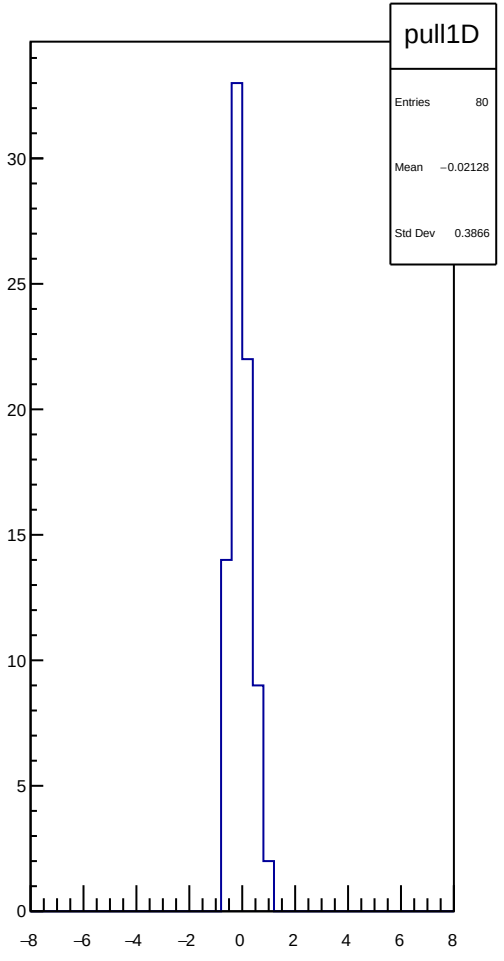

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 11.99 / 79
p0 269.4 ± 7.193
pull
Entries 80
Mean 83.9
Std Dev 50

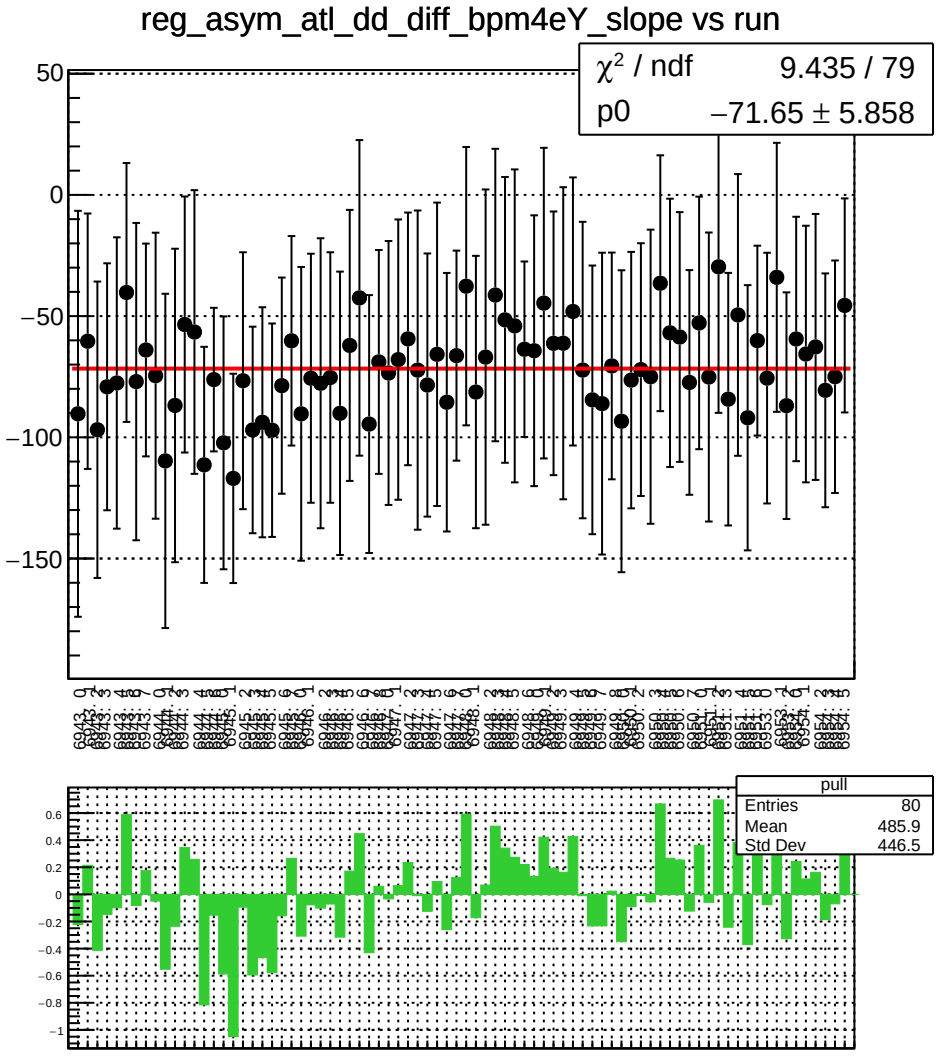

pull1D
Entries 80
Mean 0.0209
Std Dev 0.3865

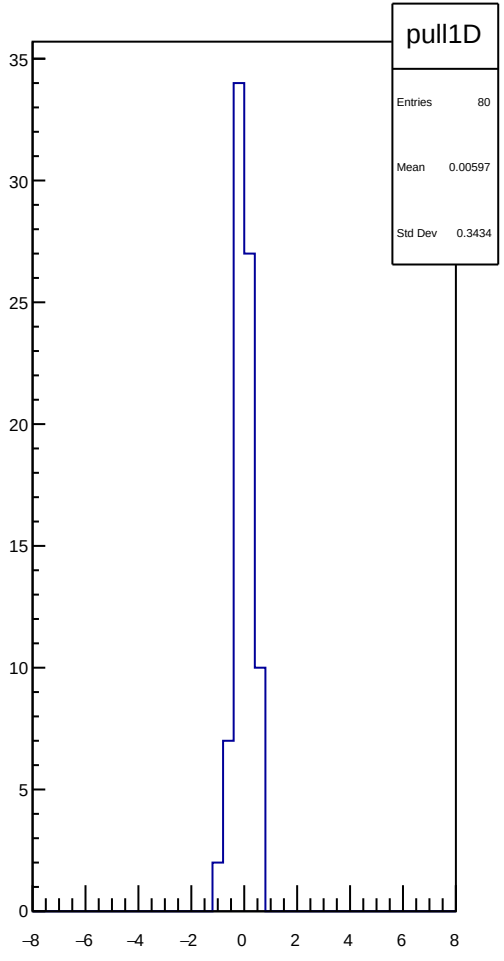

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.465 / 79
p0 −2.449 ± 5.09
pull
Entries 80
Mean 900.1
Std Dev 860.4

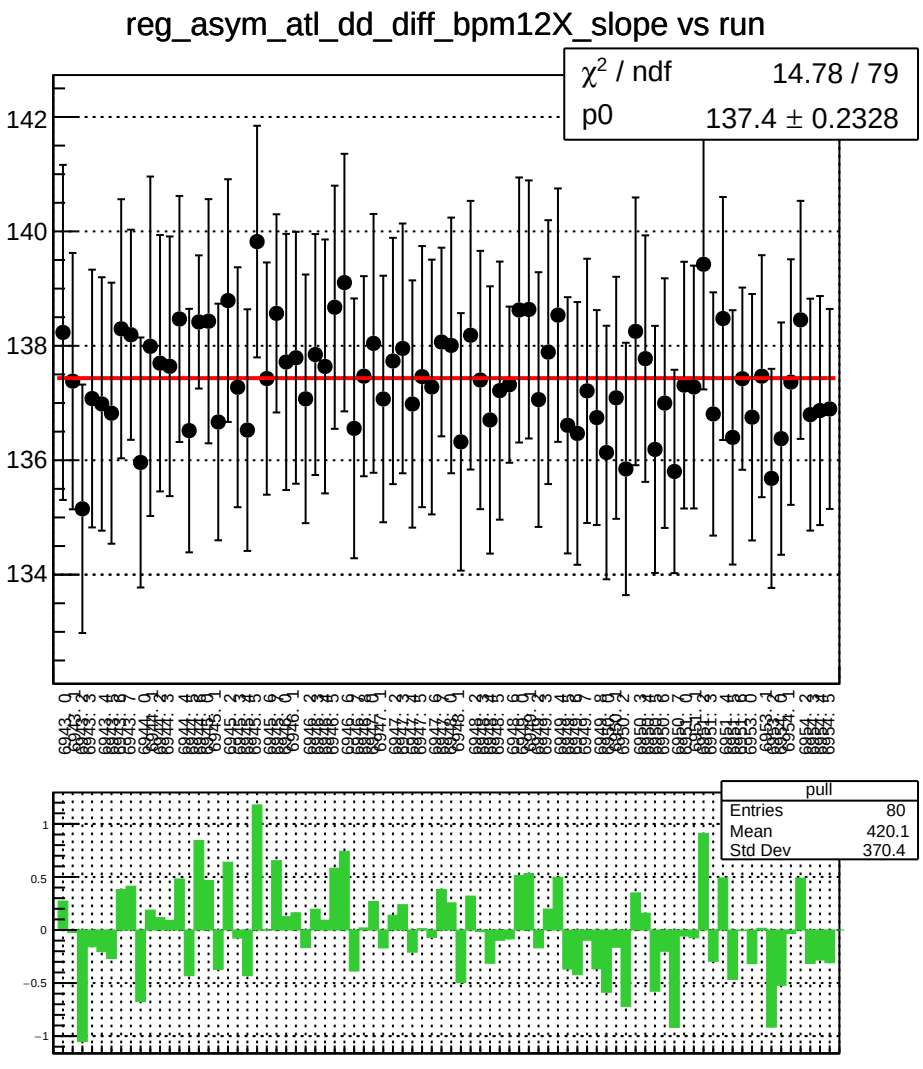

pull1D
Entries 80
Mean −0.002792
Std Dev 0.3253

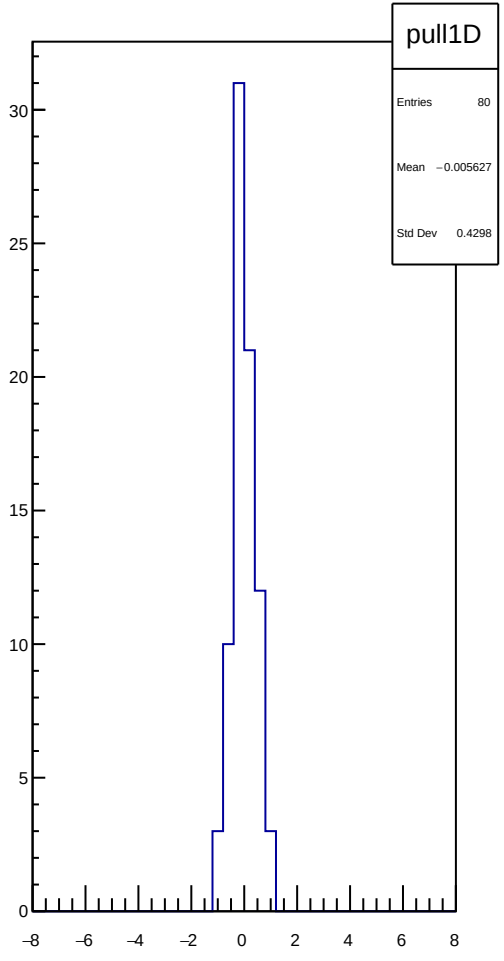

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.99 / 79
p0 −199.1 ± 6.716
pull
Entries 80
Mean 85.53
Std Dev 50.01

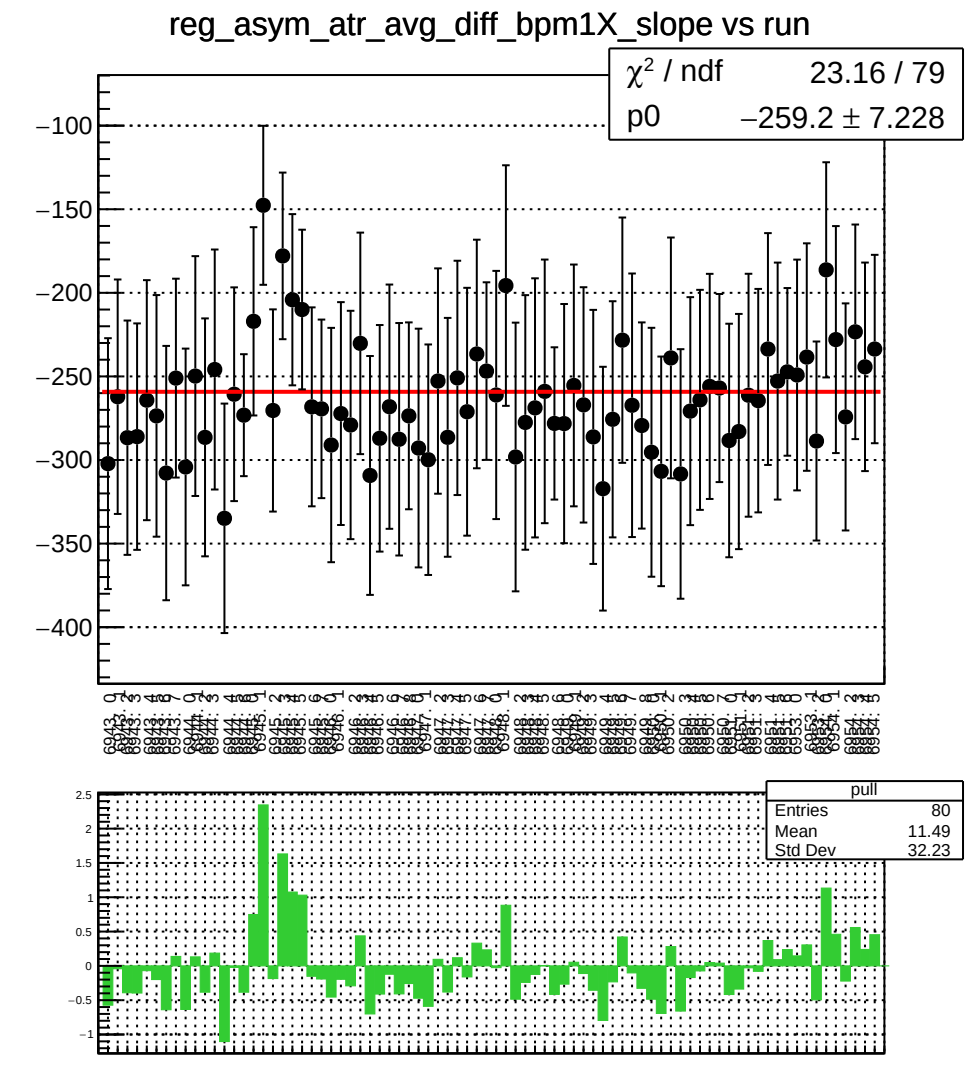

pull1D
Entries 80
Mean −0.02128
Std Dev 0.3866

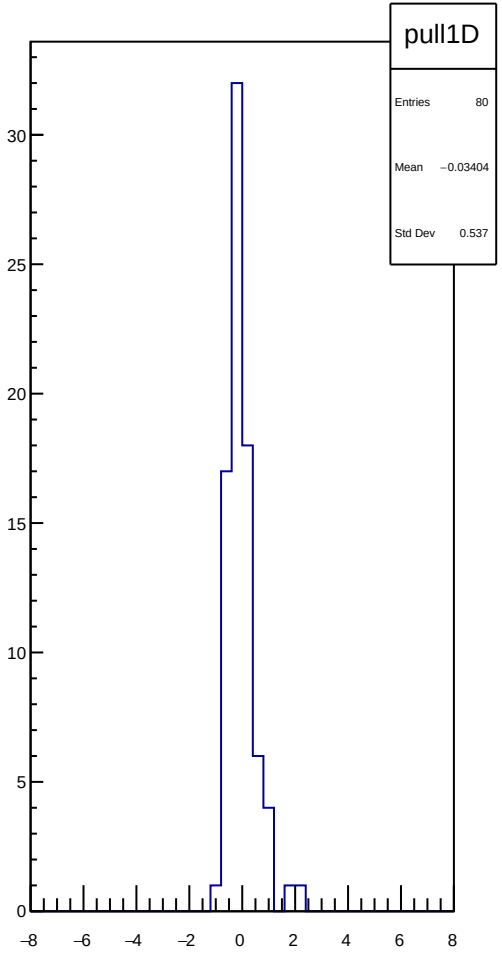

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.435 / 79
p0 −71.65 ± 5.858
50
0
−50
−100
−150
pull
Entries 80
Mean 485.9
Std Dev 446.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

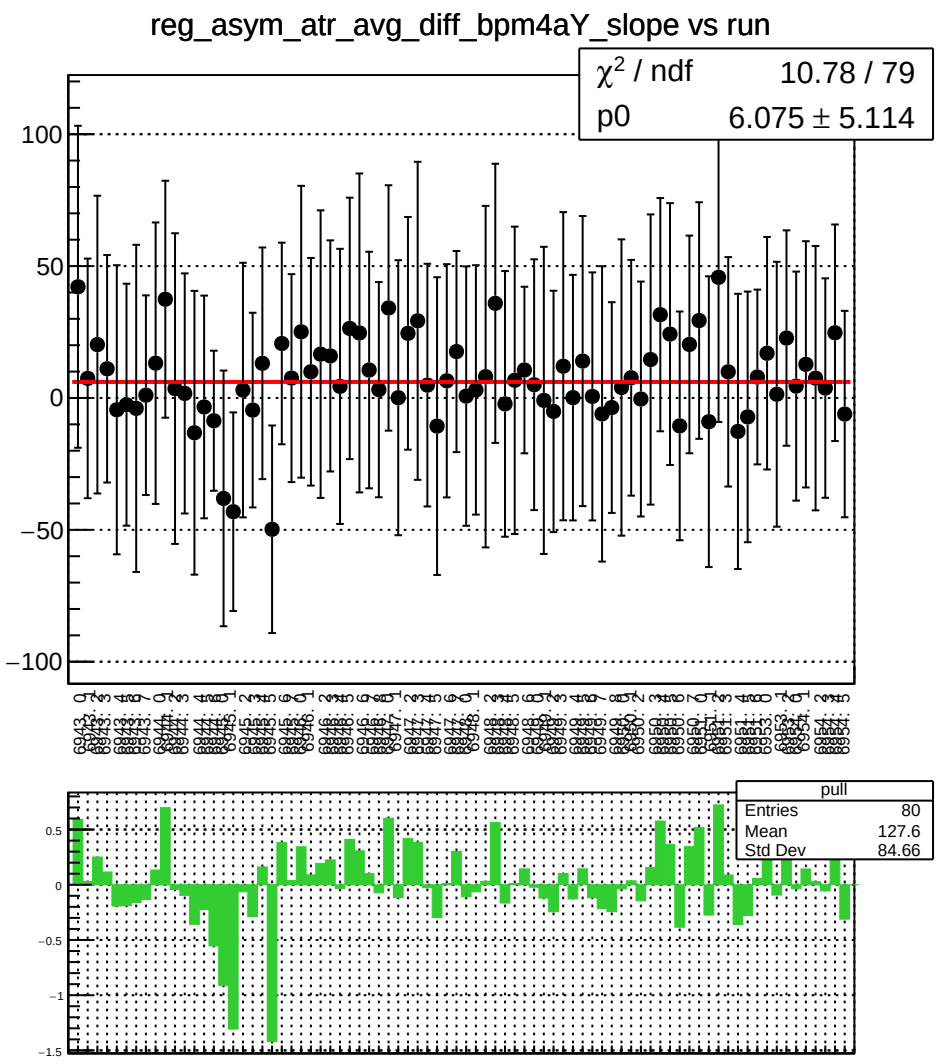

pull1D
Entries 80
Mean 0.00597
Std Dev 0.3434
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

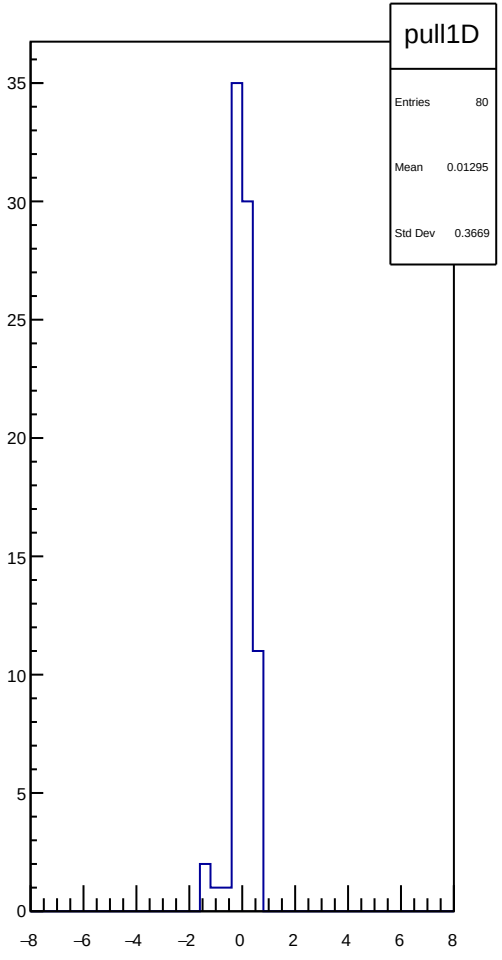

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 14.78 / 79
p0 137.4 ± 0.2328
142
140
138
136
134
pull
Entries 80
Mean 420.1
Std Dev 370.4
1
0.5
0
−0.5
−1

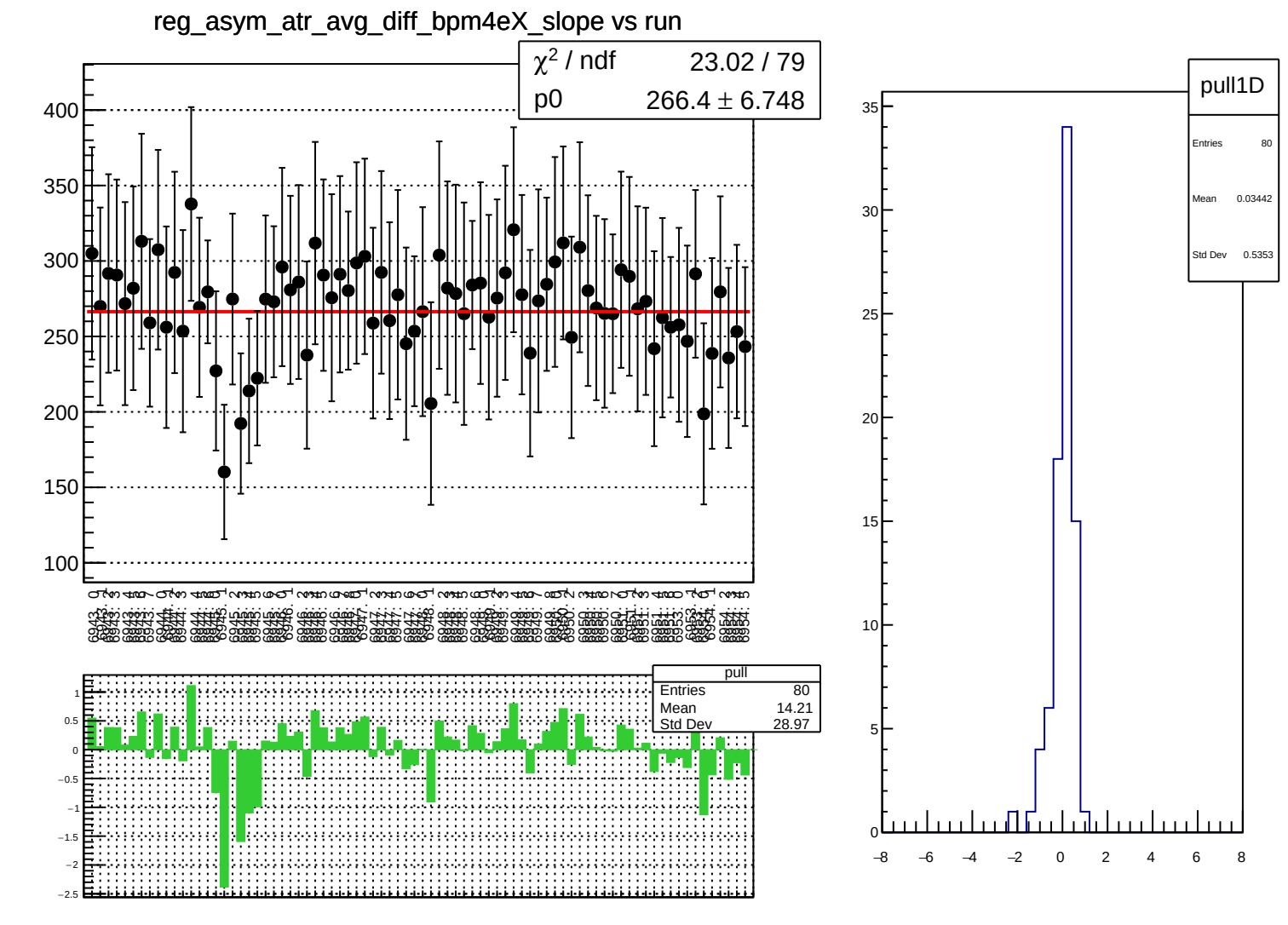

pull1D
Entries 80
Mean −0.005627
Std Dev 0.4298
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

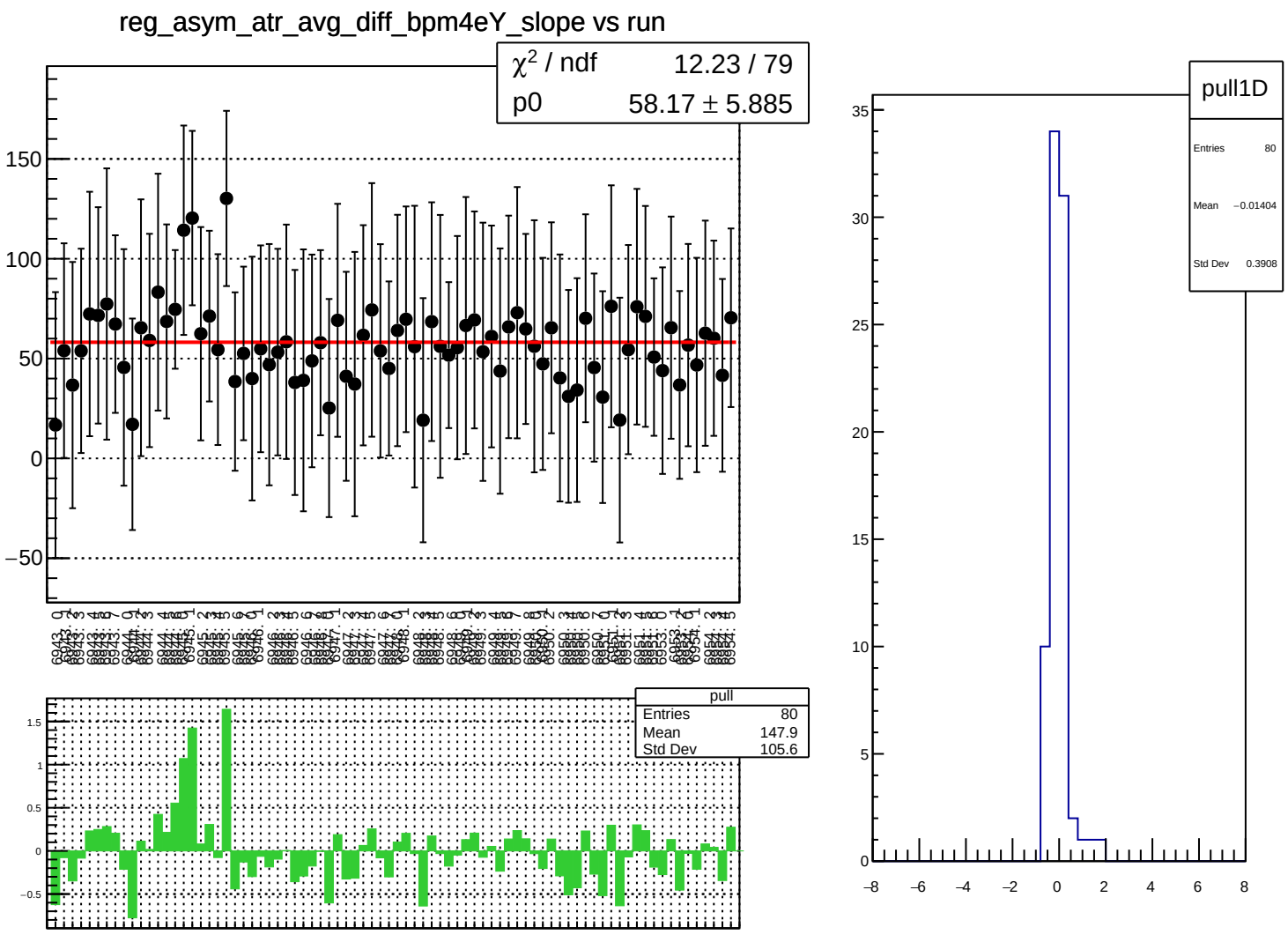

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 23.16 / 79
p0 −259.2 ± 7.228
pull
Entries 80
Mean 11.49
Std Dev 32.23

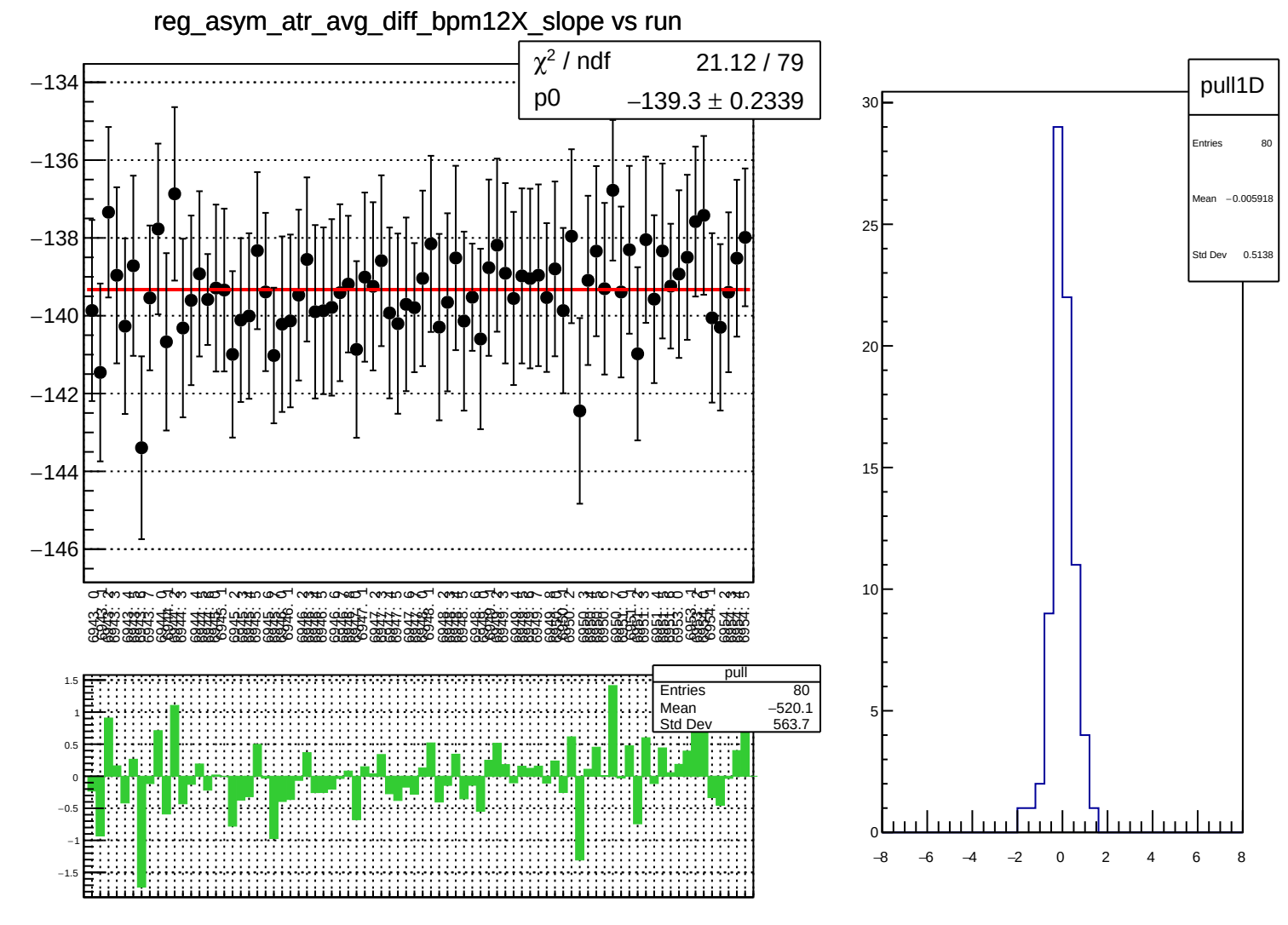

pull1D
Entries 80
Mean −0.03404
Std Dev 0.537

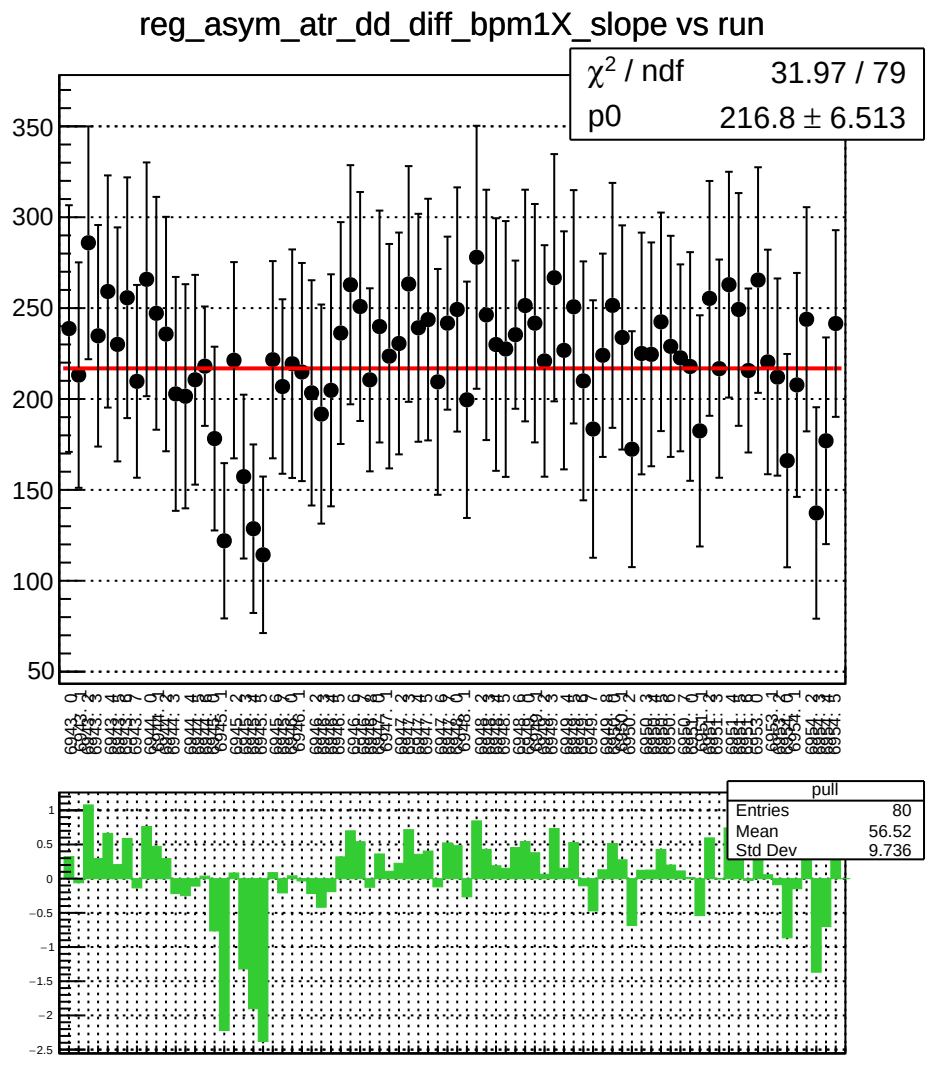

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.78 / 79
p0 6.075 ± 5.114
pull
Entries 80
Mean 127.6
Std Dev 84.66

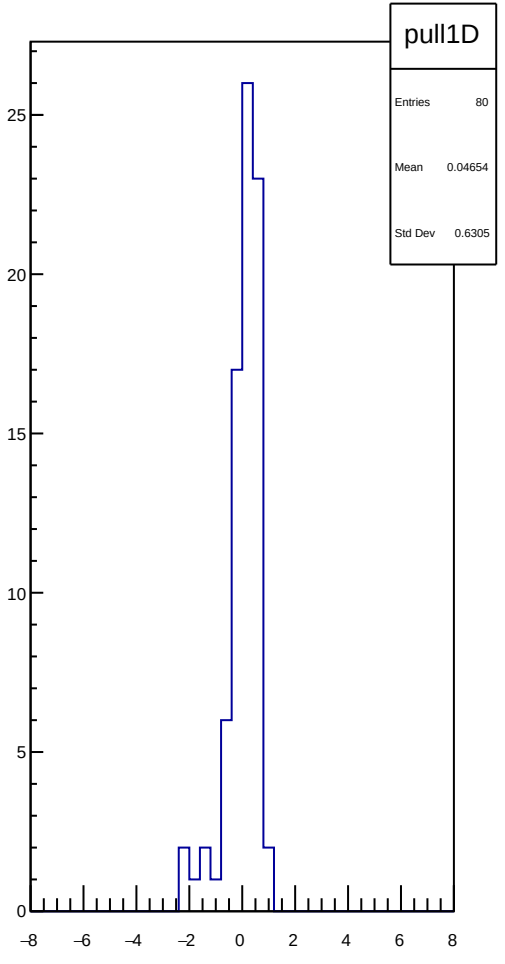

pull1D
Entries 80
Mean 0.01295
Std Dev 0.3669

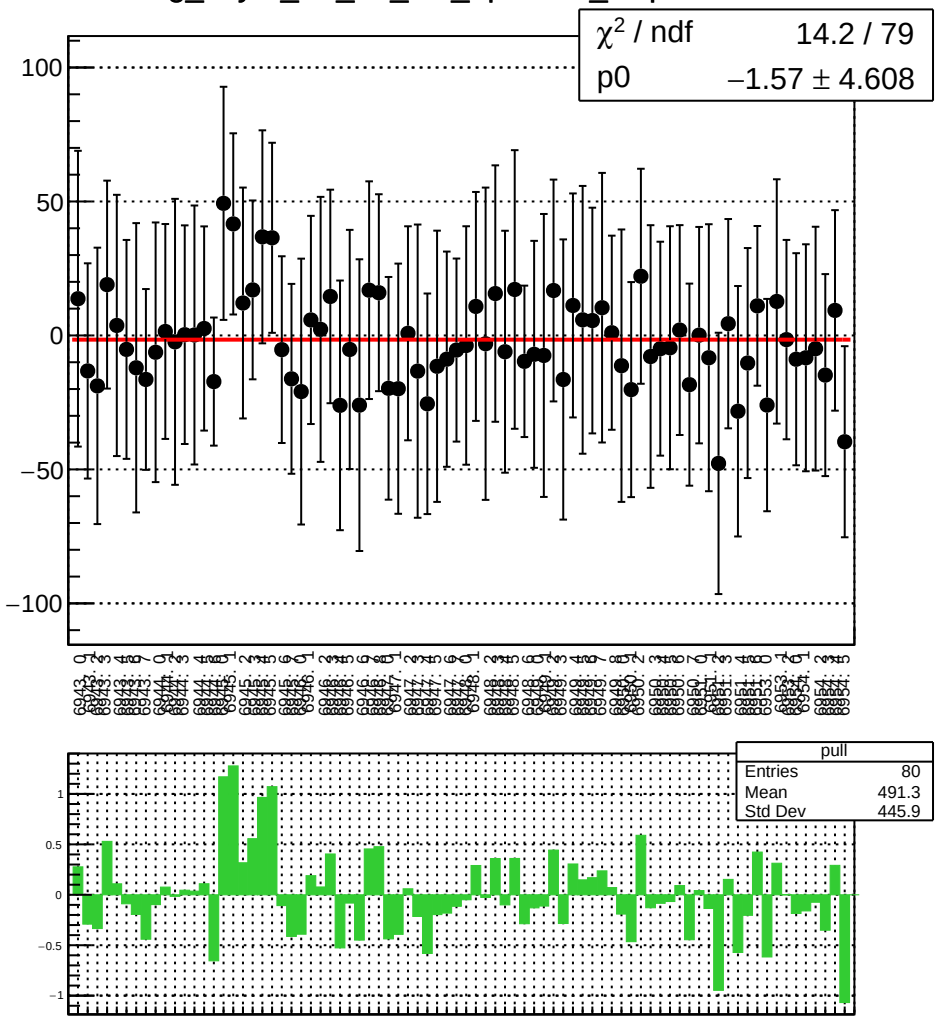

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.02 / 79
p0 266.4 ± 6.748
pull
Entries 80
Mean 14.21
Std Dev 28.97
pull1D
Entries 80
Mean 0.03442
Std Dev 0.5353

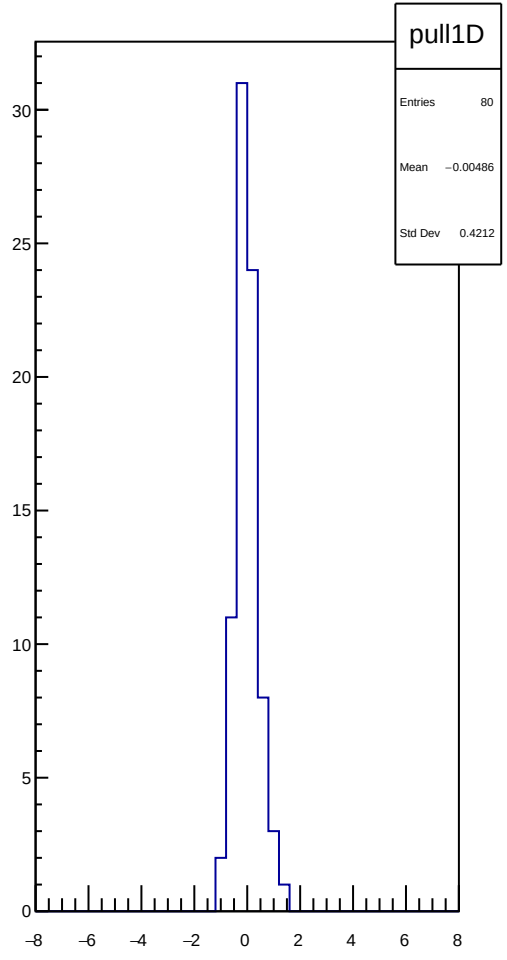

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.23 / 79
p0 58.17 ± 5.885
150
100
50
0
−50
pull
Entries 80
Mean 147.9
Std Dev 105.6
1.5
1
0.5
0
−0.5
pull1D
Entries 80
Mean −0.01404
Std Dev 0.3908
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

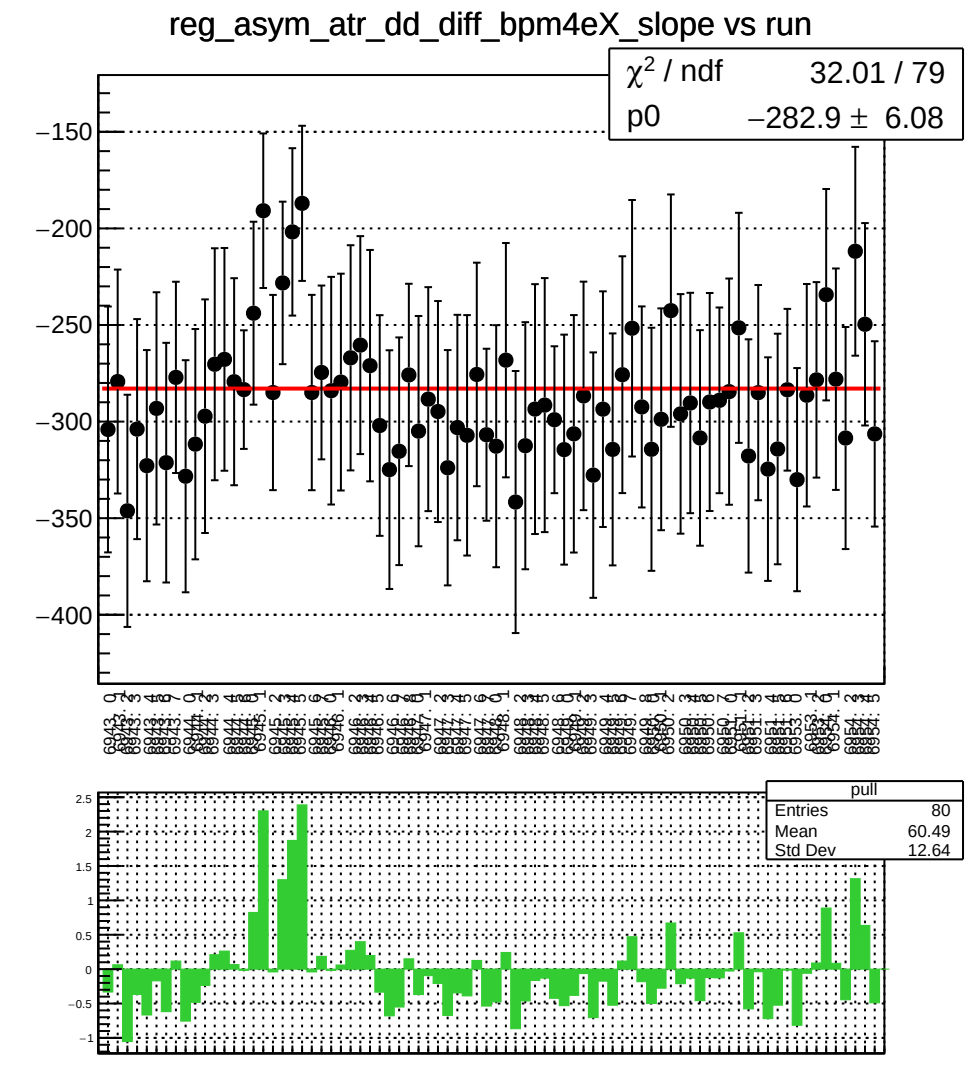

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 21.12 / 79
p0 −139.3 ± 0.2339
−134
−136
−138
−140
−142
−144
−146
pull
Entries 80
Mean −520.1
Std Dev 563.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.005918
Std Dev 0.5138
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

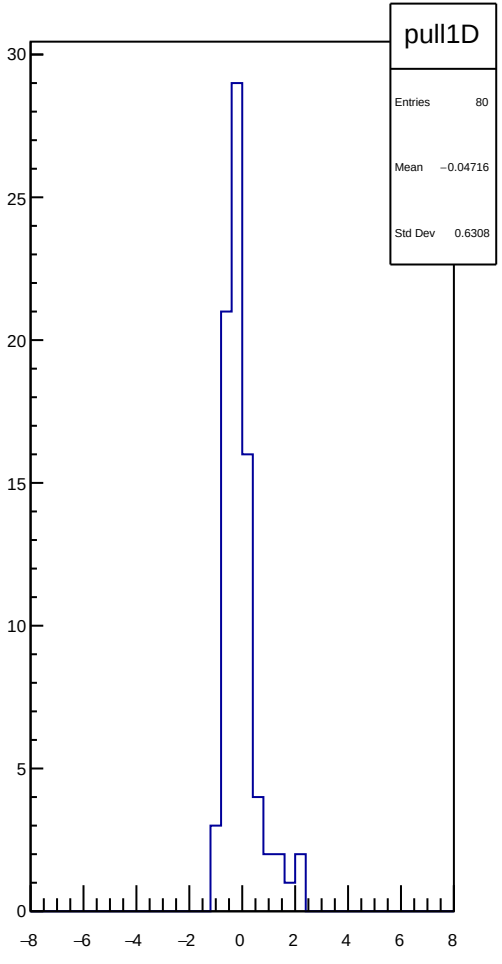

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.97 / 79
p0 216.8 ± 6.513
pull
Entries 80
Mean 56.52
Std Dev 9.736

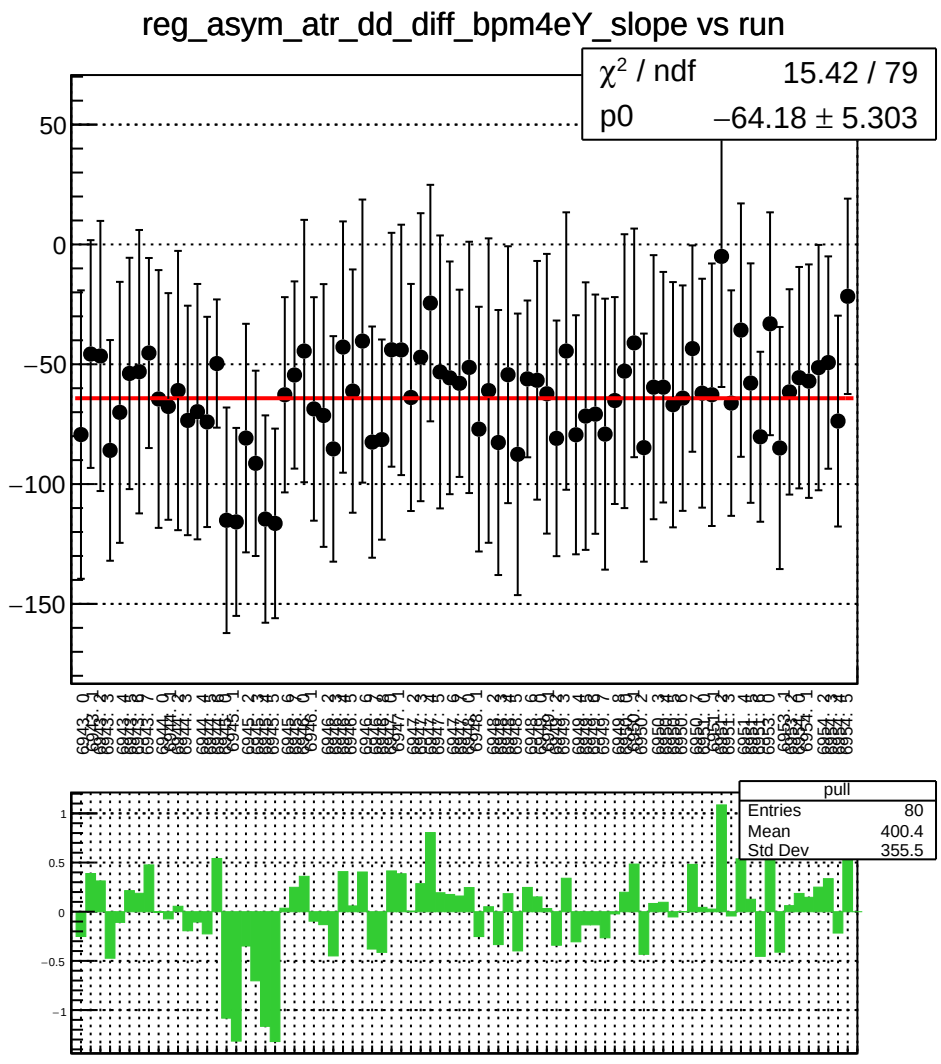

pull1D
Entries 80
Mean 0.04654
Std Dev 0.6305

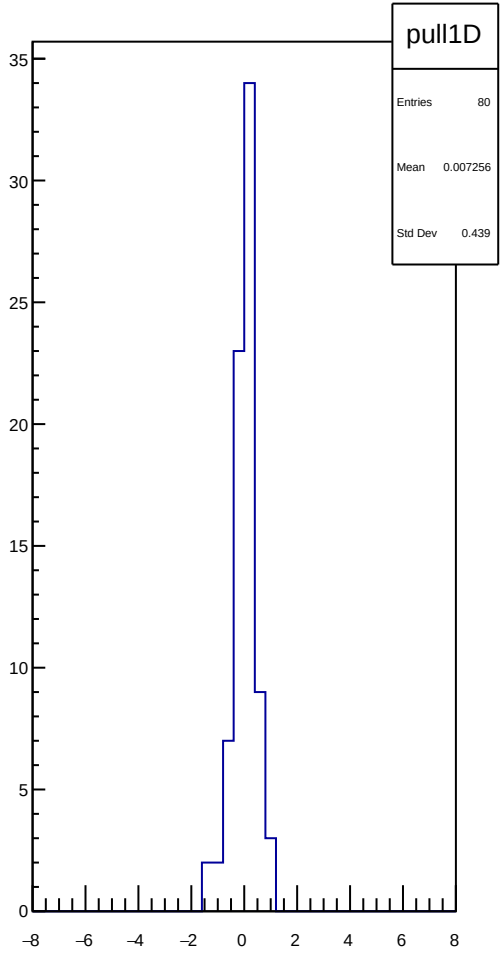

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.2 / 79
p0 −1.57 ± 4.608
100
50
0
−50
−100
pull
Entries 80
Mean 491.3
Std Dev 445.9
1
0.5
0
−0.5
−1

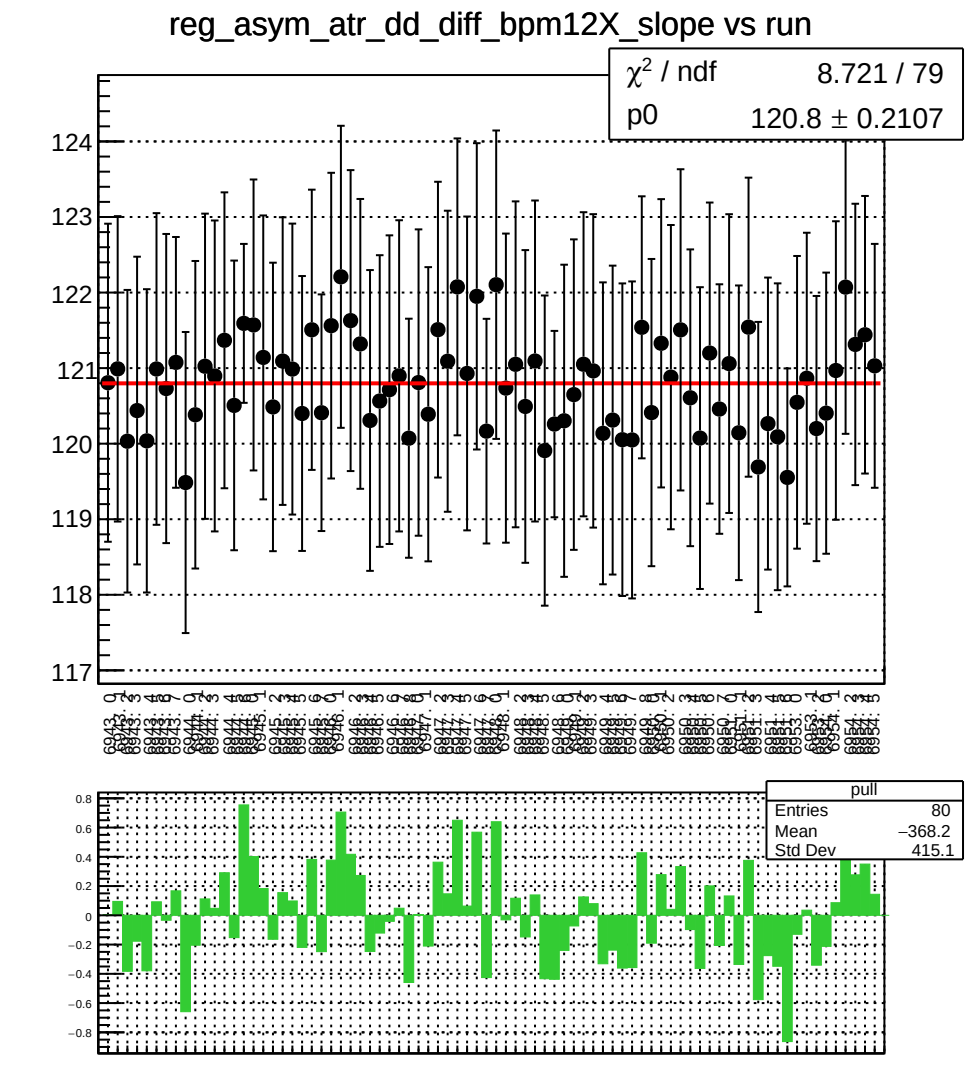

pull1D
Entries 80
Mean −0.00486
Std Dev 0.4212
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

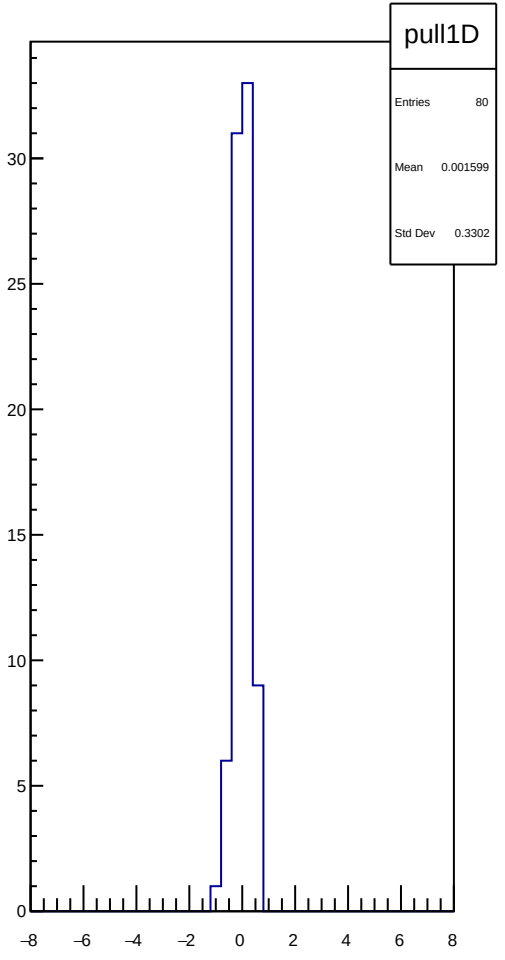

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.01 / 79
p0 −282.9 ± 6.08
pull
Entries 80
Mean 60.49
Std Dev 12.64

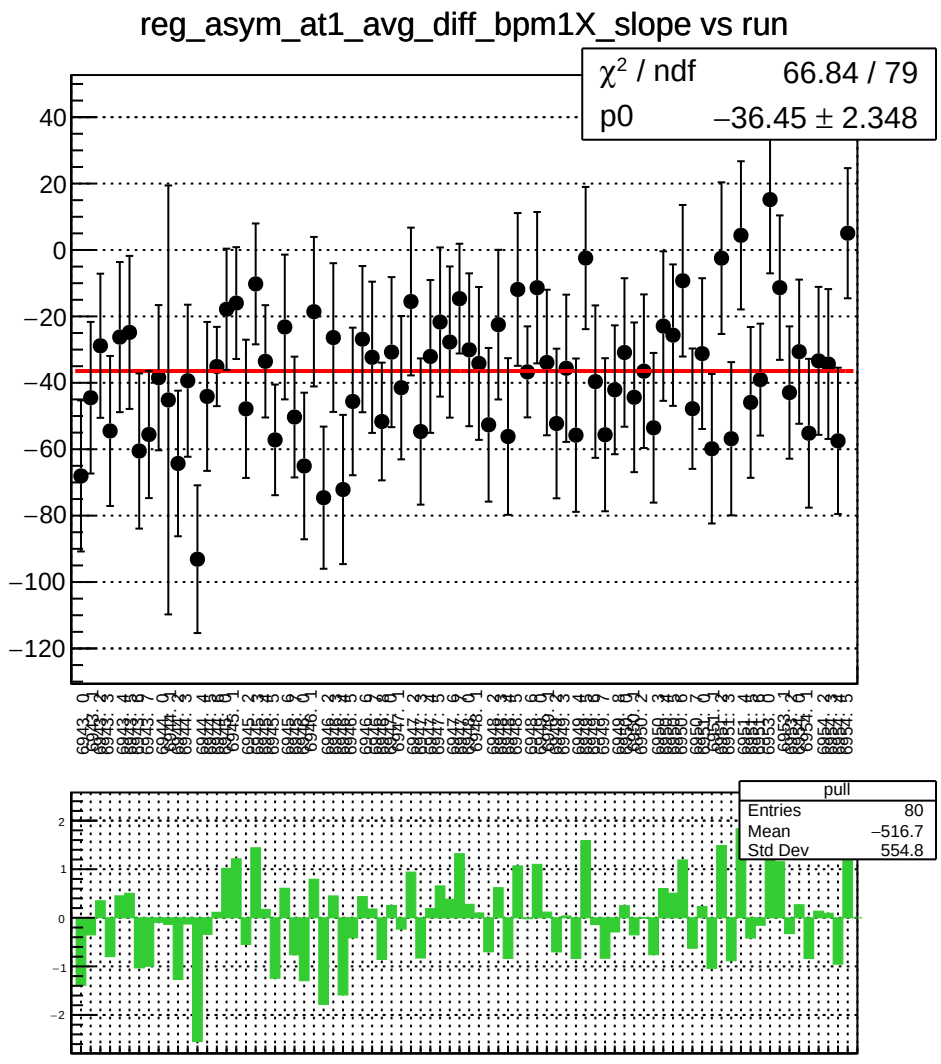

pull1D
Entries 80
Mean −0.04716
Std Dev 0.6308

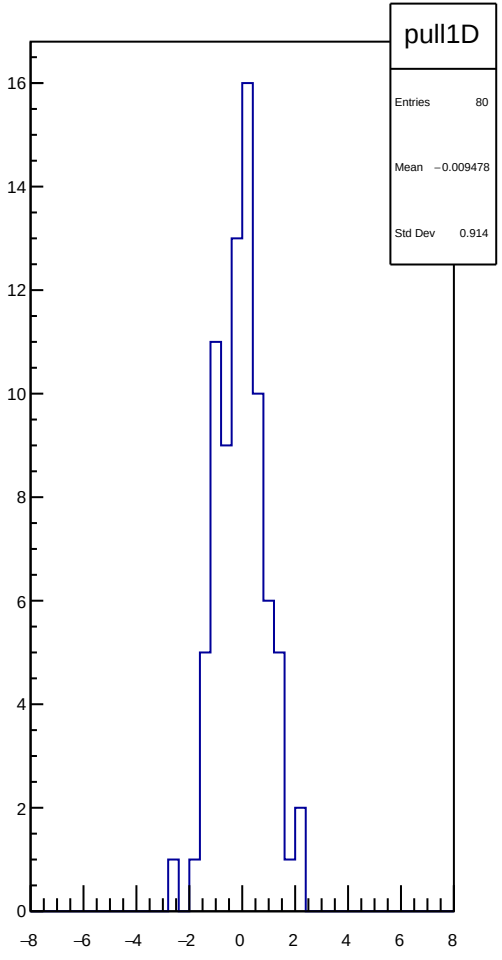

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.42 / 79
p0 −64.18 ± 5.303
50
0
−50
−100
−150
pull
Entries 80
Mean 400.4
Std Dev 355.5
1
0.5
0
−0.5
−1

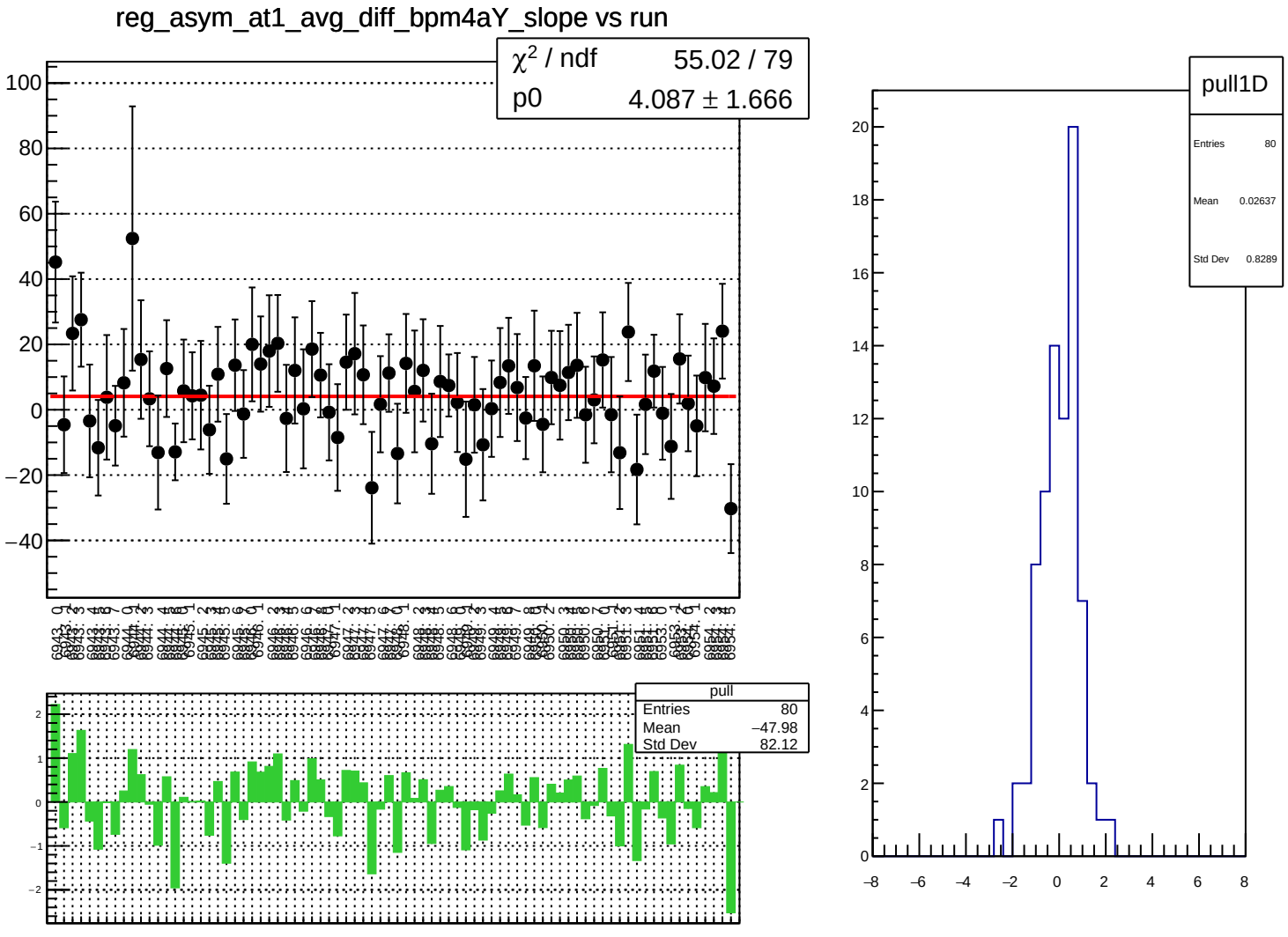

pull1D
Entries 80
Mean 0.007256
Std Dev 0.439
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

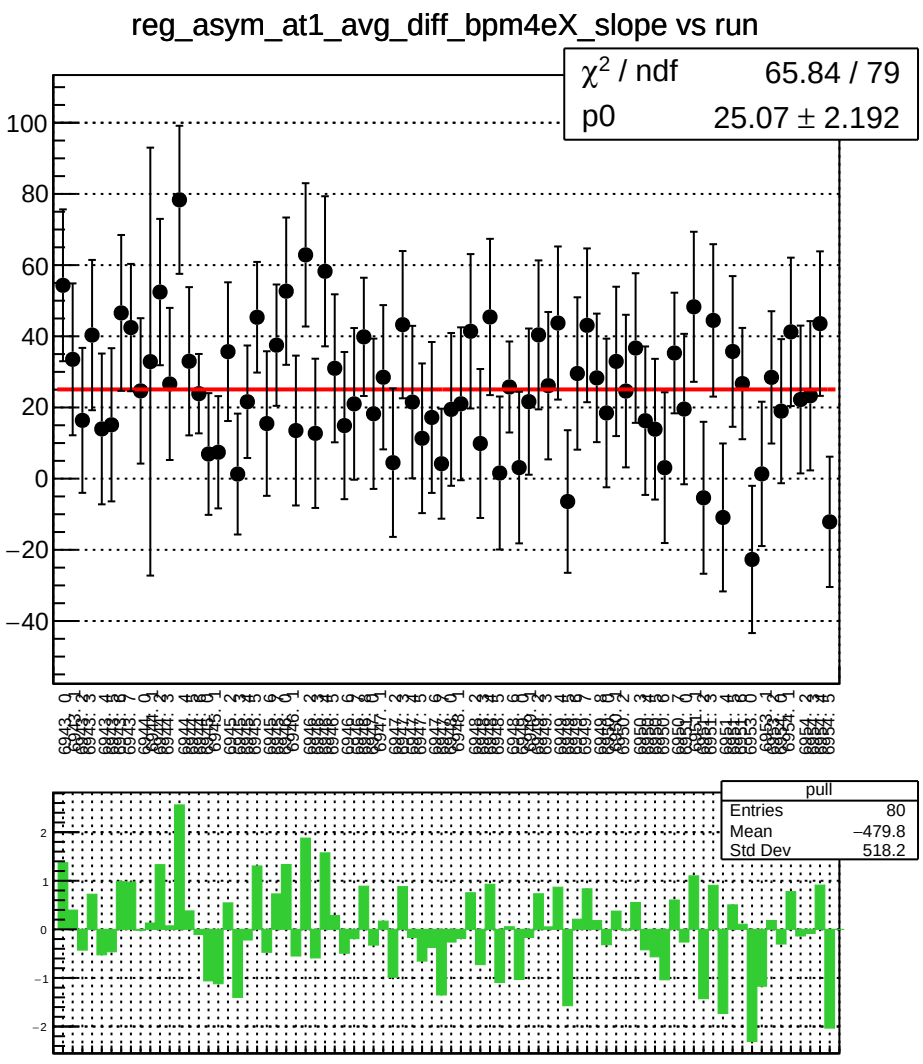

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 8.721 / 79
p0 120.8 ± 0.2107
pull
Entries 80
Mean −368.2
Std Dev 415.1

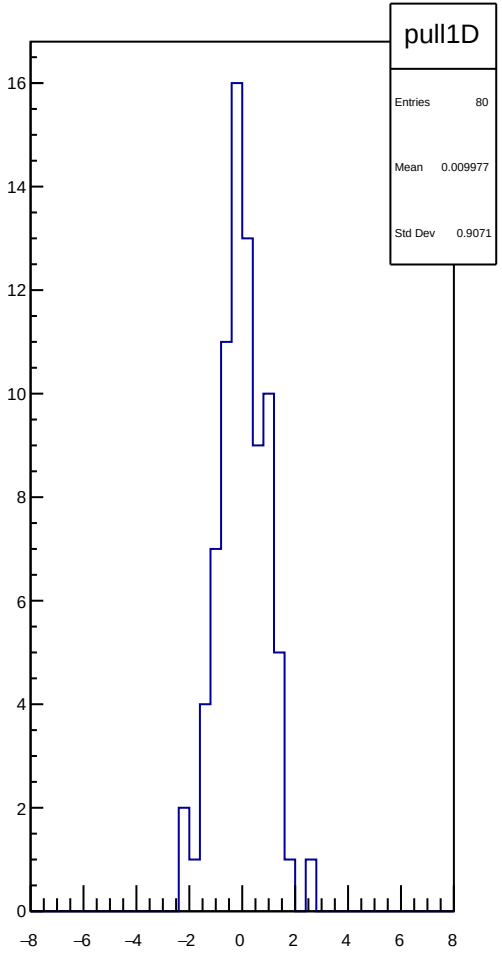

pull1D
Entries 80
Mean 0.001599
Std Dev 0.3302

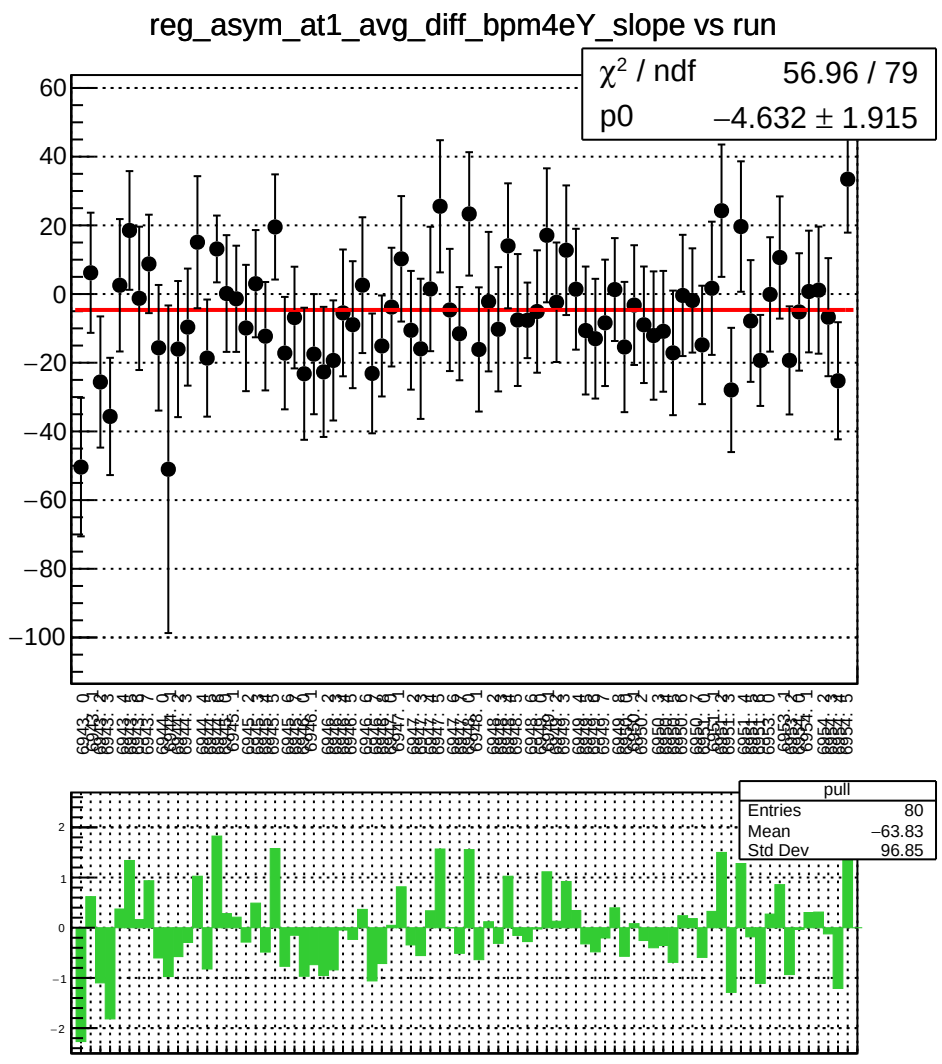

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 66.84 / 79
p0 −36.45 ± 2.348
pull
Entries 80
Mean −516.7
Std Dev 554.8

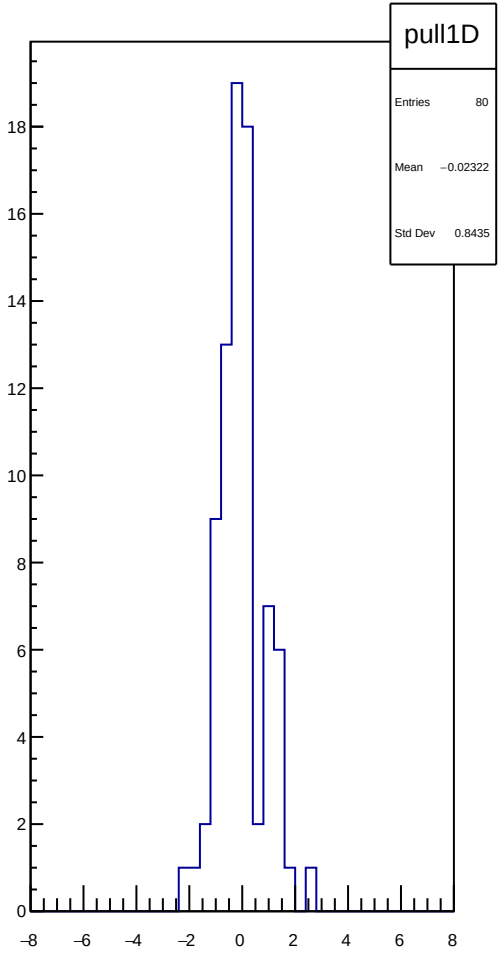

pull1D
Entries 80
Mean −0.009478
Std Dev 0.914

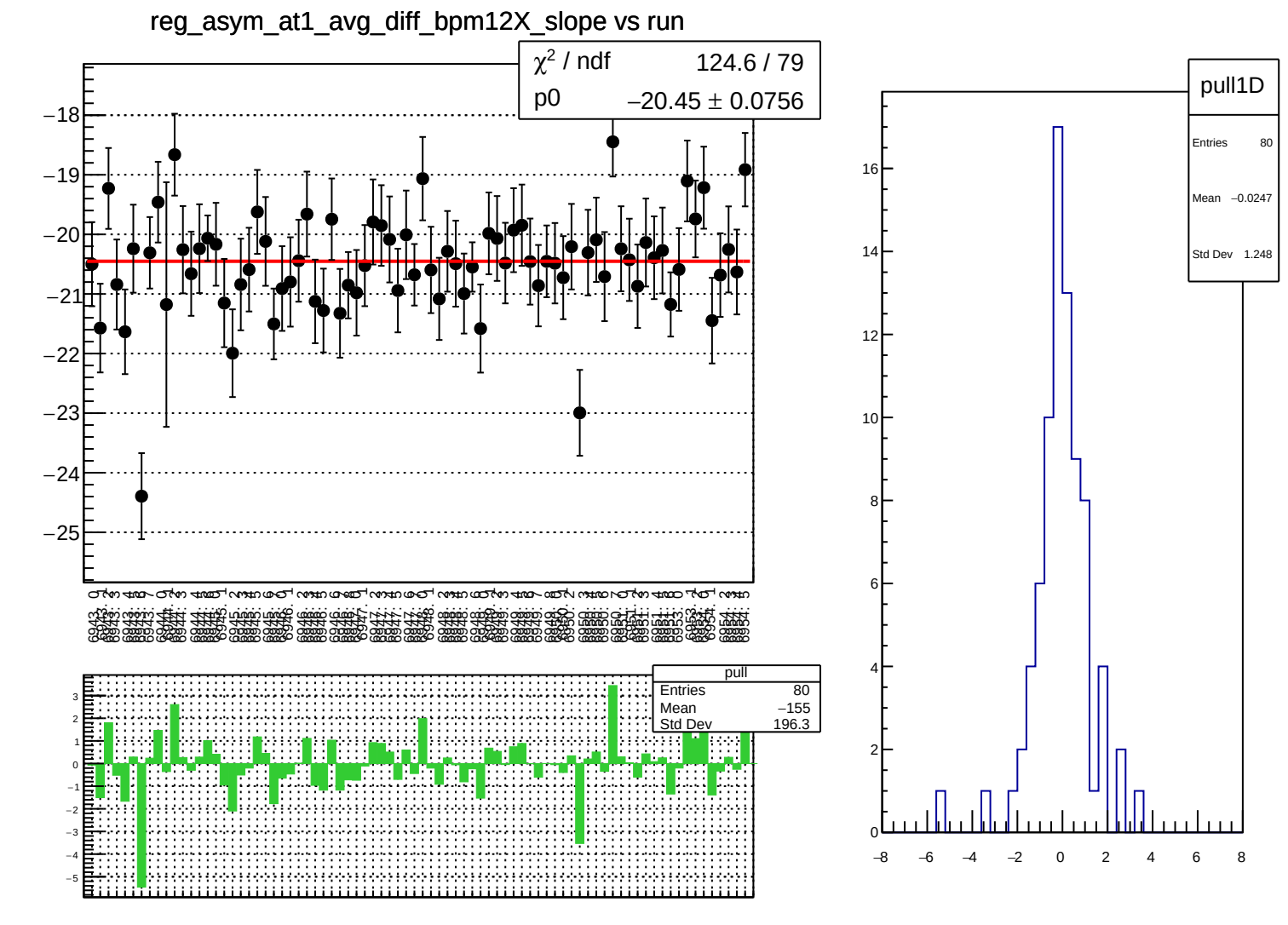

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.02 / 79
p0 4.087 ± 1.666
pull
Entries 80
Mean −47.98
Std Dev 82.12
pull1D
Entries 80
Mean 0.02637
Std Dev 0.8289

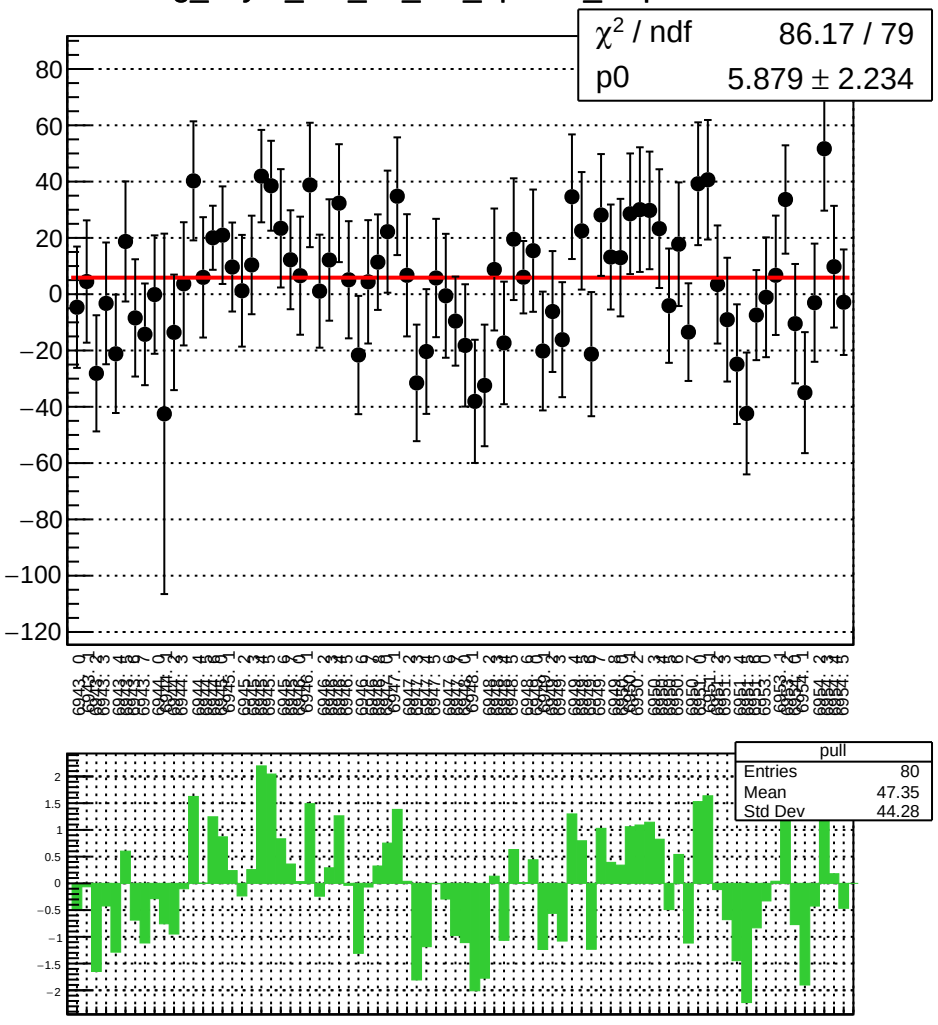

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.84 / 79
p0 25.07 ± 2.192
pull
Entries 80
Mean −479.8
Std Dev 518.2

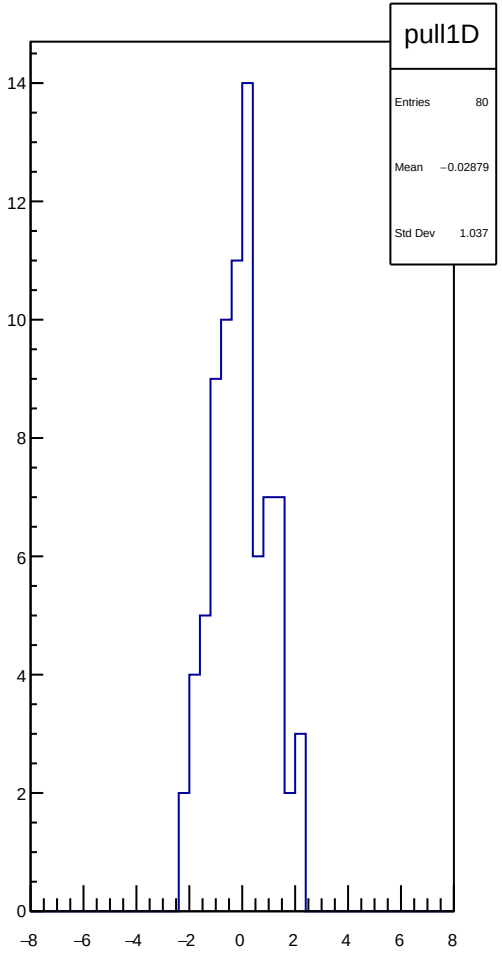

pull1D
Entries 80
Mean 0.009977
Std Dev 0.9071

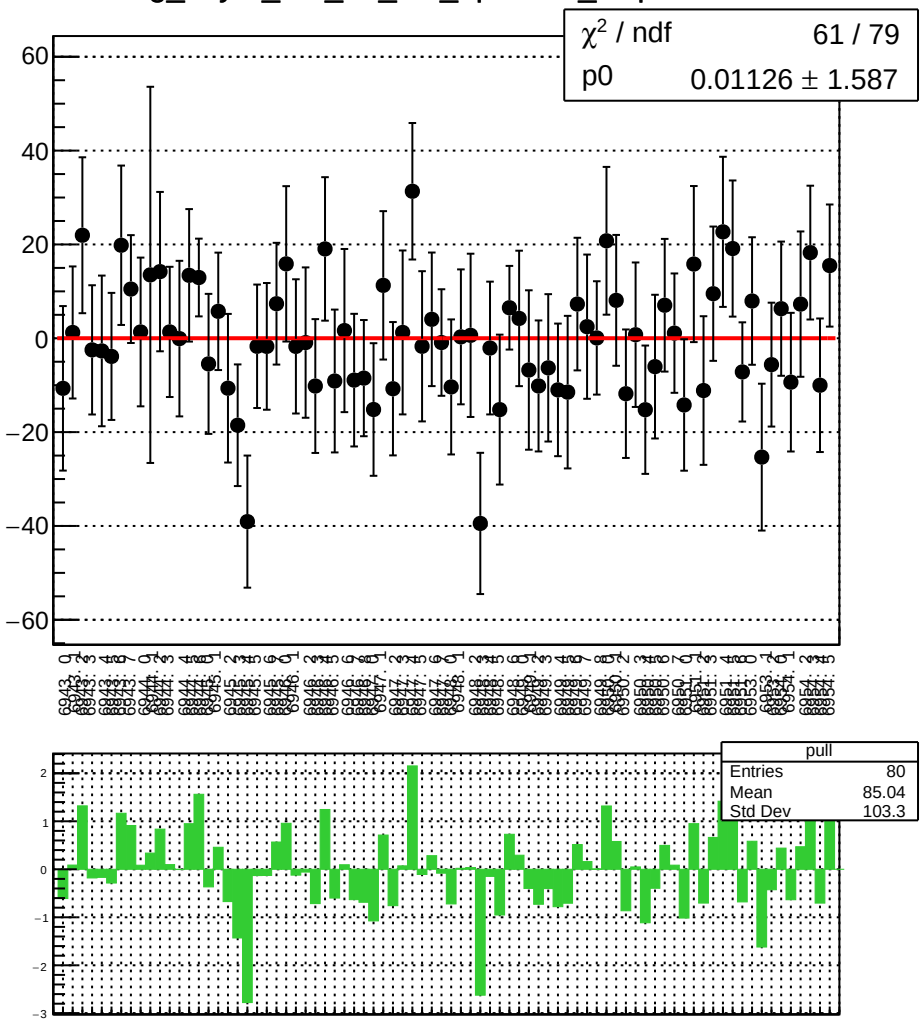

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.96 / 79
p0 −4.632 ± 1.915
pull
Entries 80
Mean −63.83
Std Dev 96.85

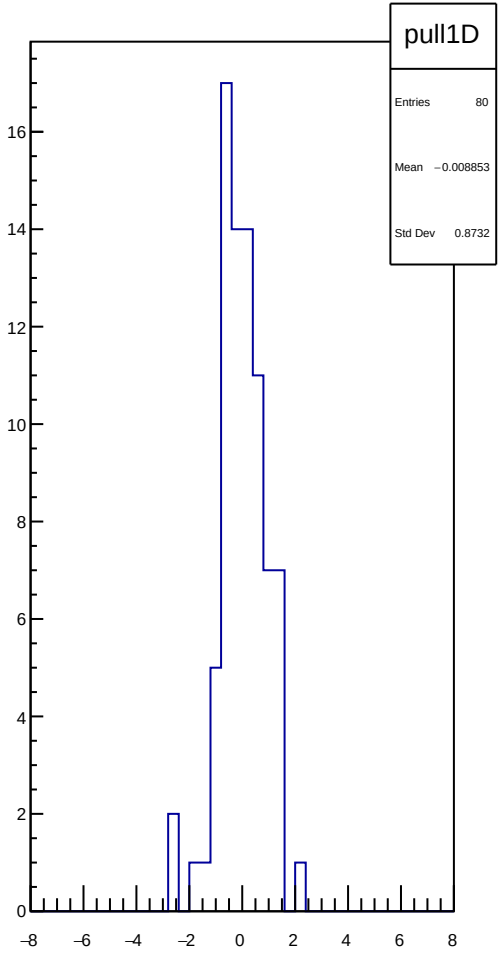

pull1D
Entries 80
Mean −0.02322
Std Dev 0.8435

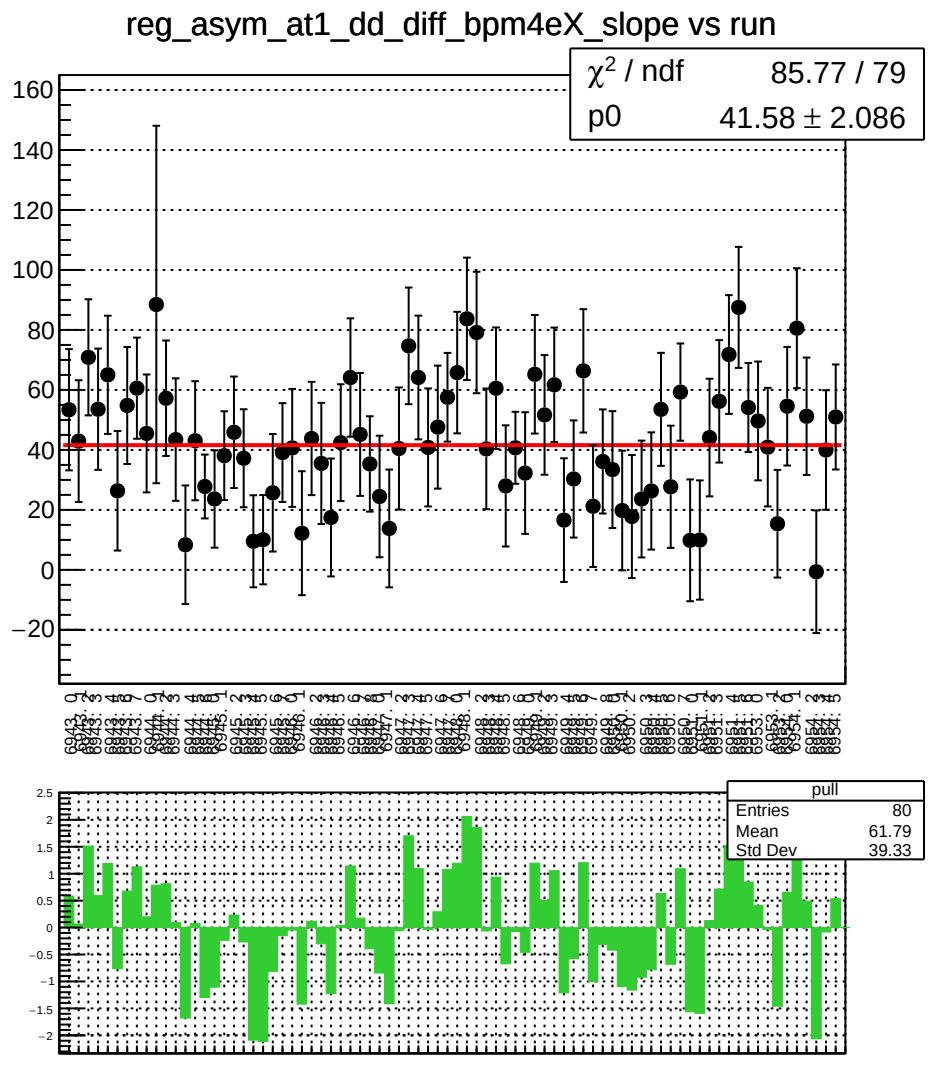

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 124.6 / 79
p0 −20.45 ± 0.0756
pull
Entries 80
Mean −155
Std Dev 196.3
pull1D
Entries 80
Mean −0.0247
Std Dev 1.248

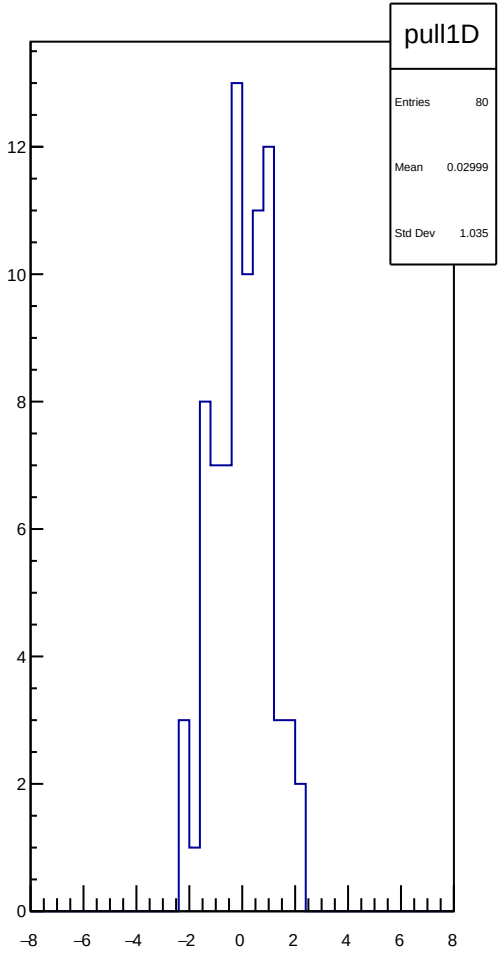

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 86.17 / 79
p0 5.879 ± 2.234
pull
Entries 80
Mean 47.35
Std Dev 44.28

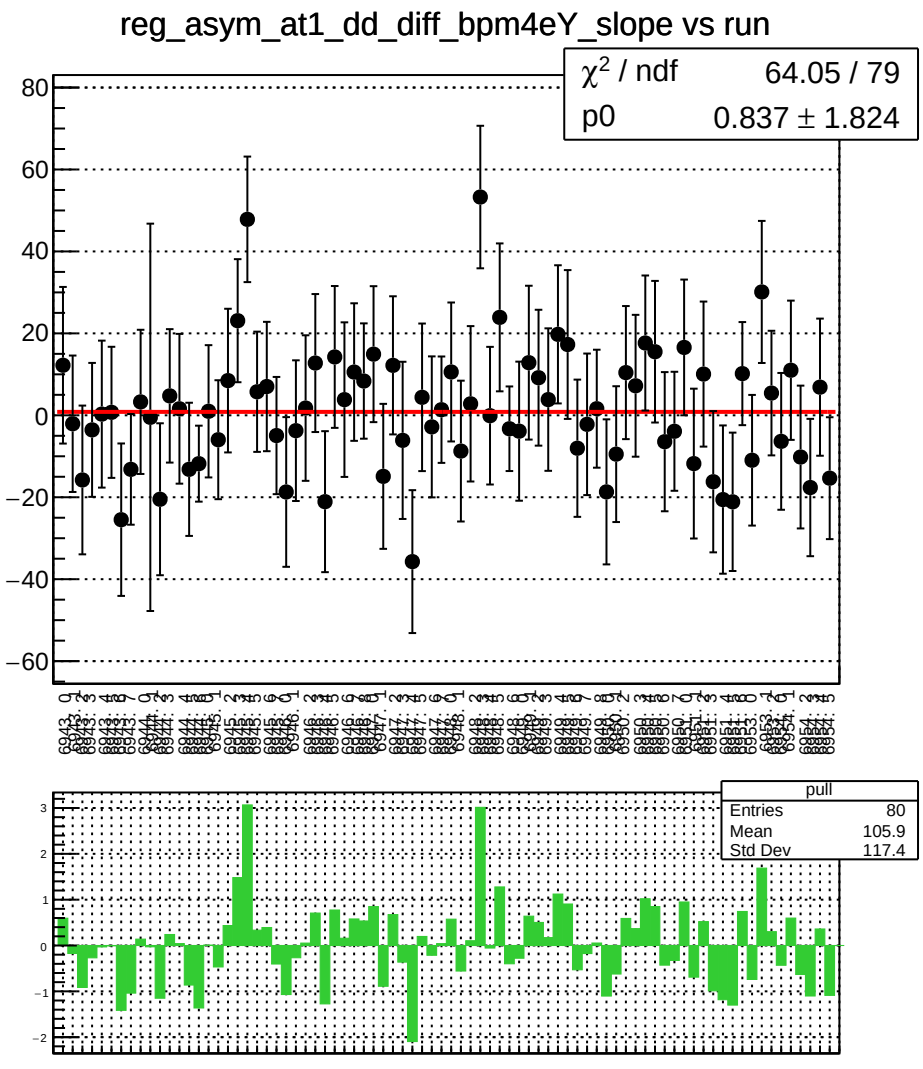

pull1D
Entries 80
Mean −0.02879
Std Dev 1.037

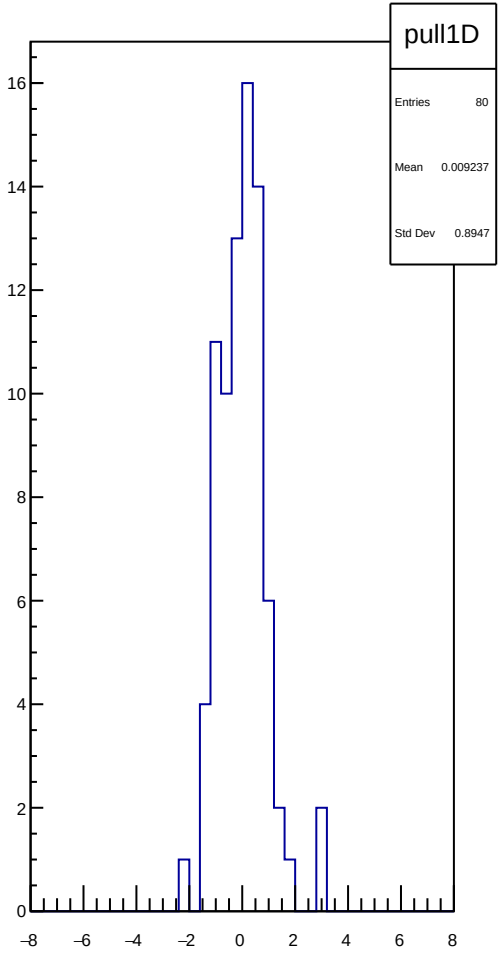

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 61 / 79
p0 0.01126 ± 1.587
pull
Entries 80
Mean 85.04
Std Dev 103.3

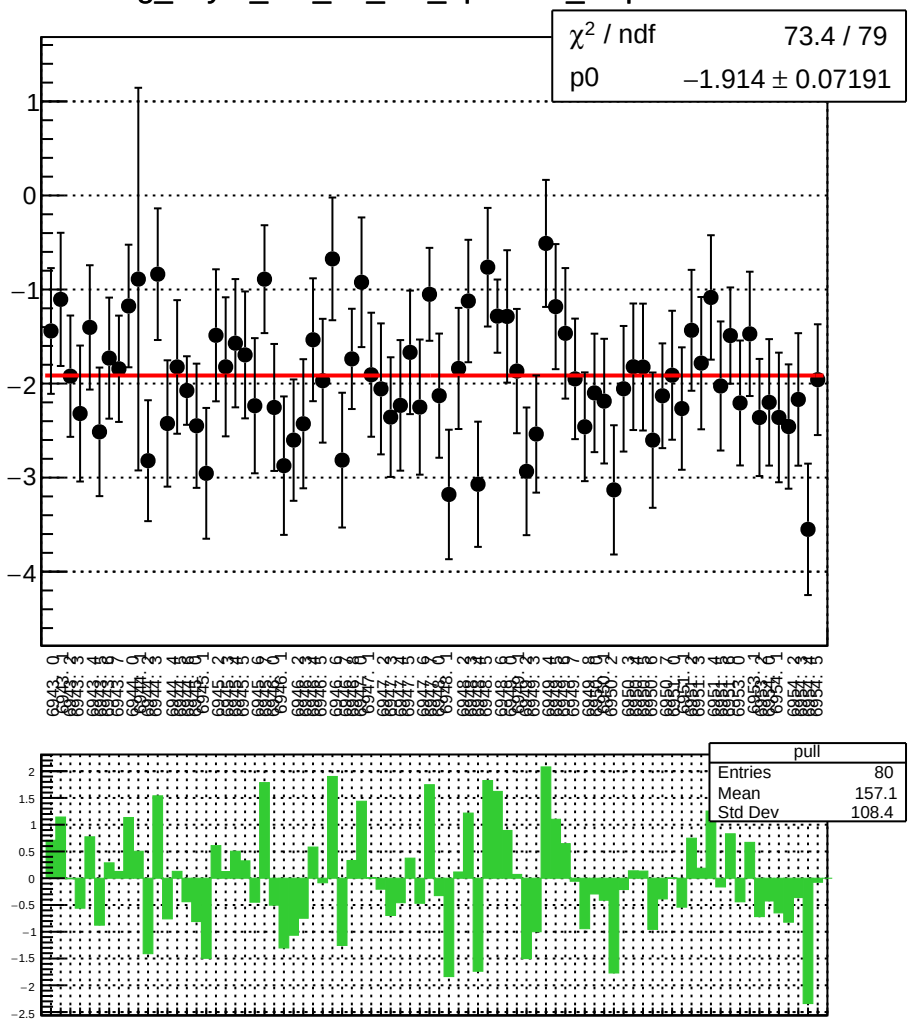

pull1D
Entries 80
Mean −0.008853
Std Dev 0.8732

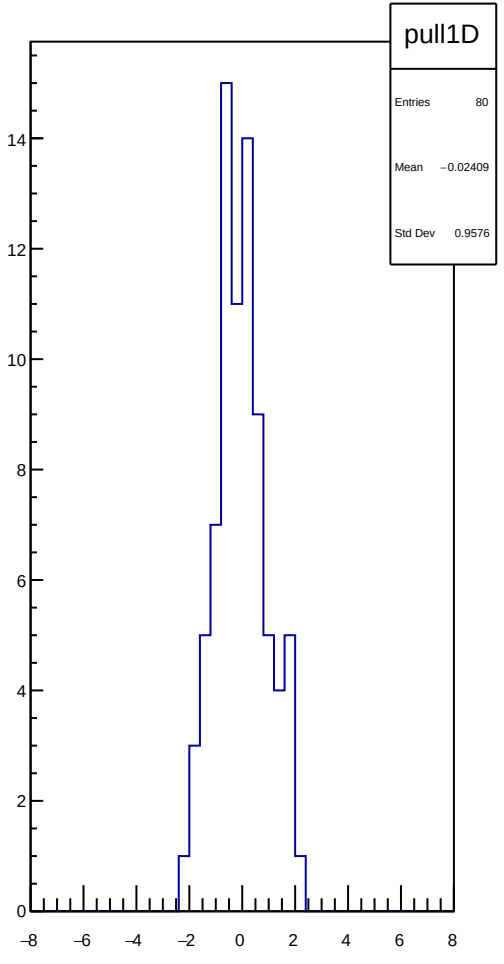

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.77 / 79
p0 41.58 ± 2.086
pull
Entries 80
Mean 61.79
Std Dev 39.33

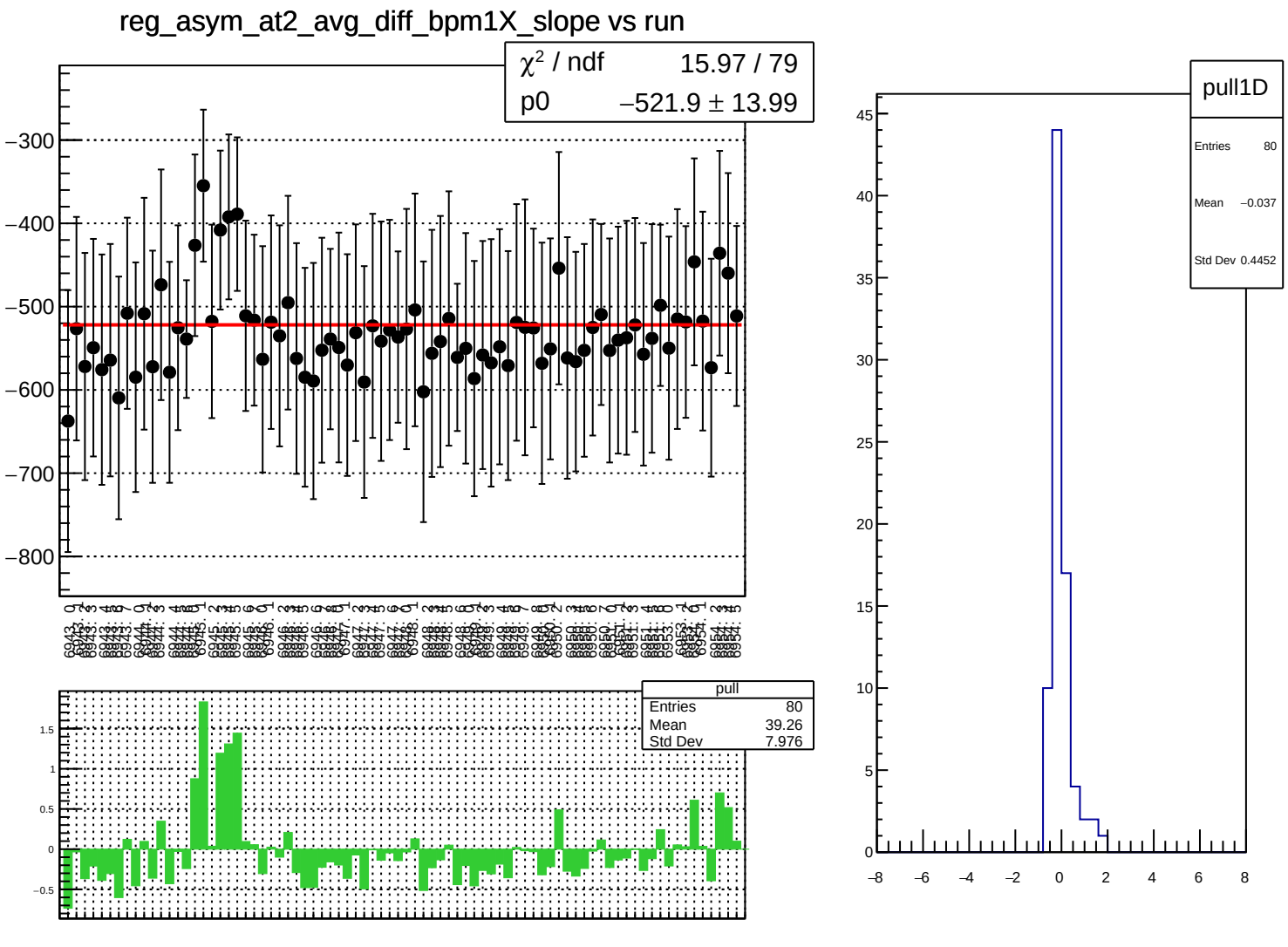

pull1D
Entries 80
Mean 0.02999
Std Dev 1.035

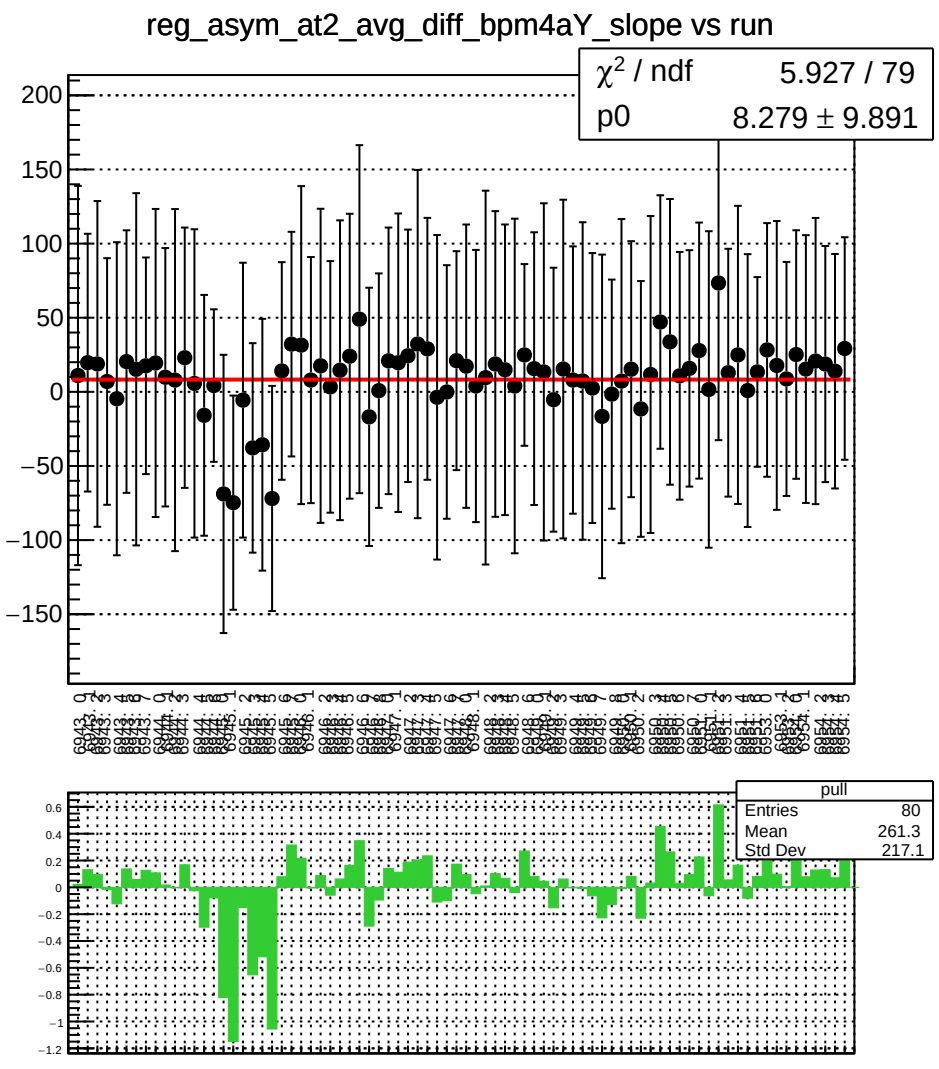

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.05 / 79
p0 0.837 ± 1.824
pull
Entries 80
Mean 105.9
Std Dev 117.4

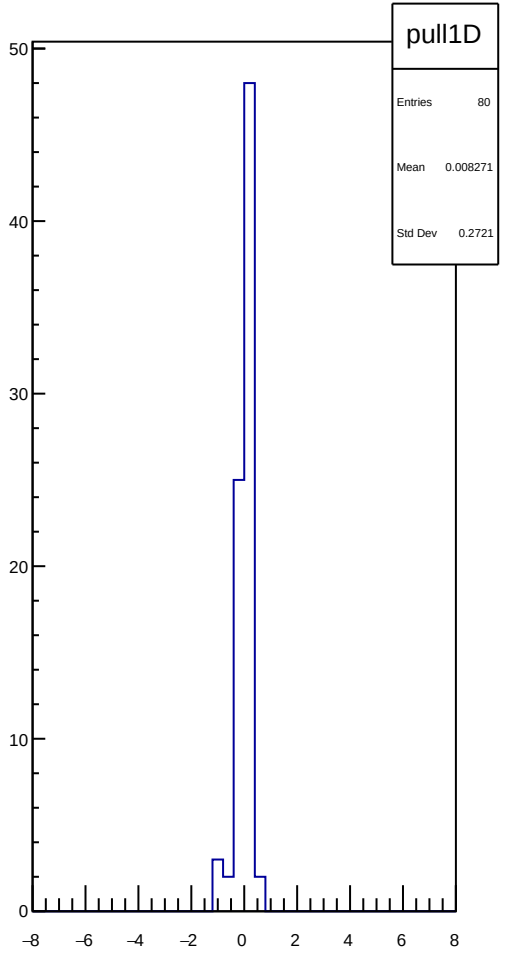

pull1D
Entries 80
Mean 0.009237
Std Dev 0.8947

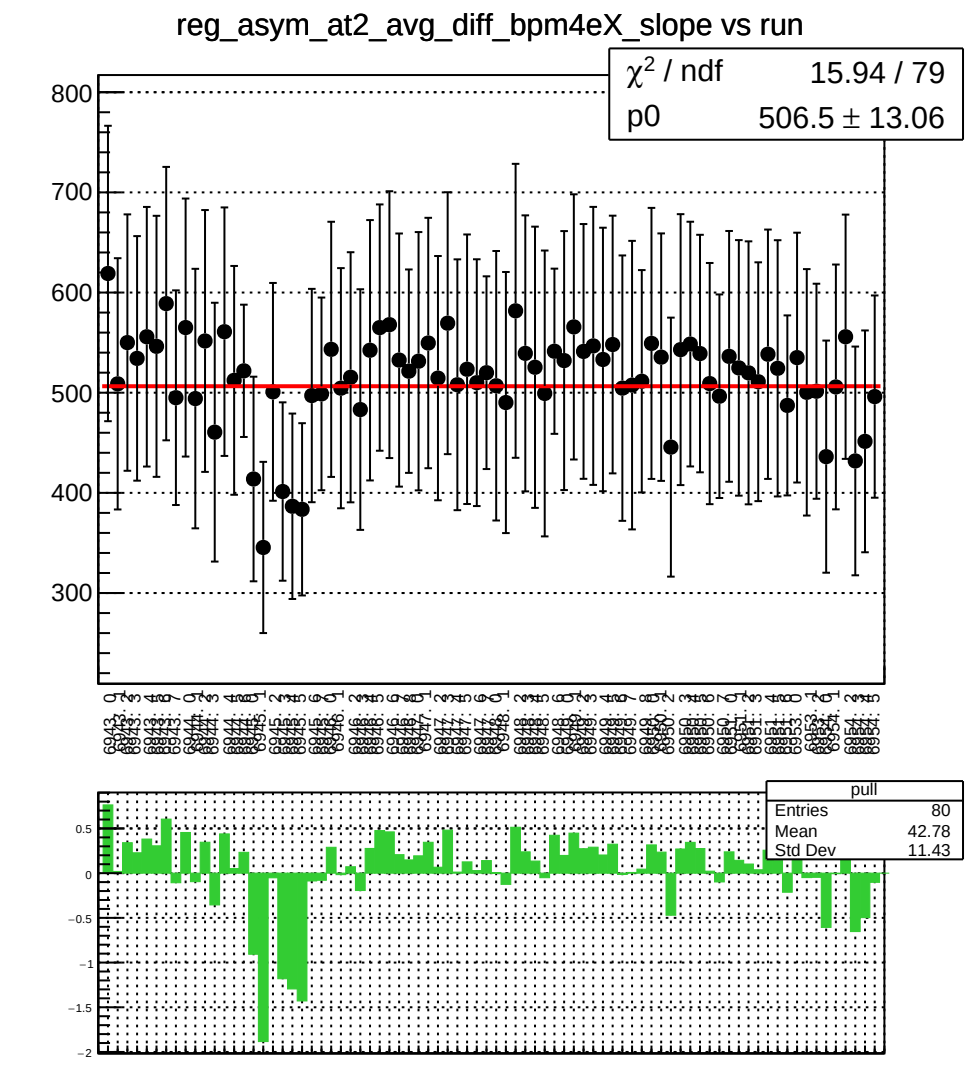

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 73.4 / 79
p0 −1.914 ± 0.07191
pull
Entries 80
Mean 157.1
Std Dev 108.4

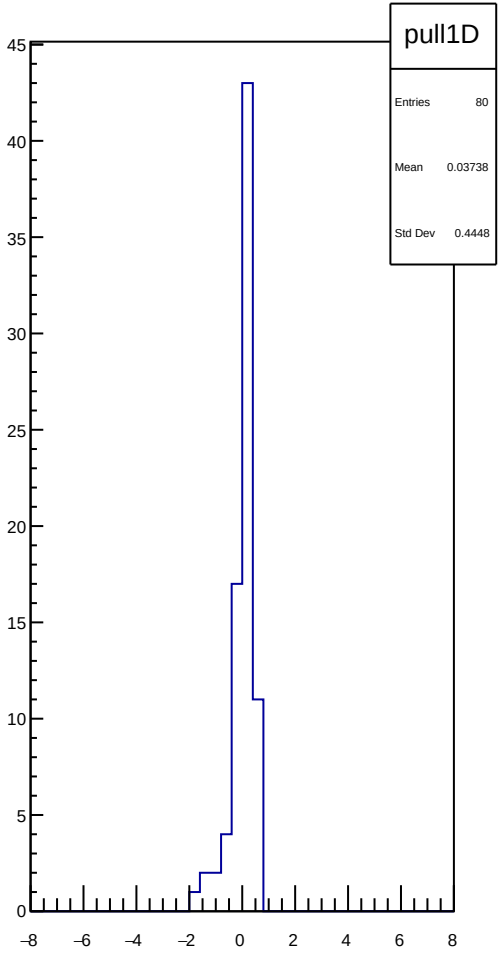

pull1D
Entries 80
Mean −0.02409
Std Dev 0.9576

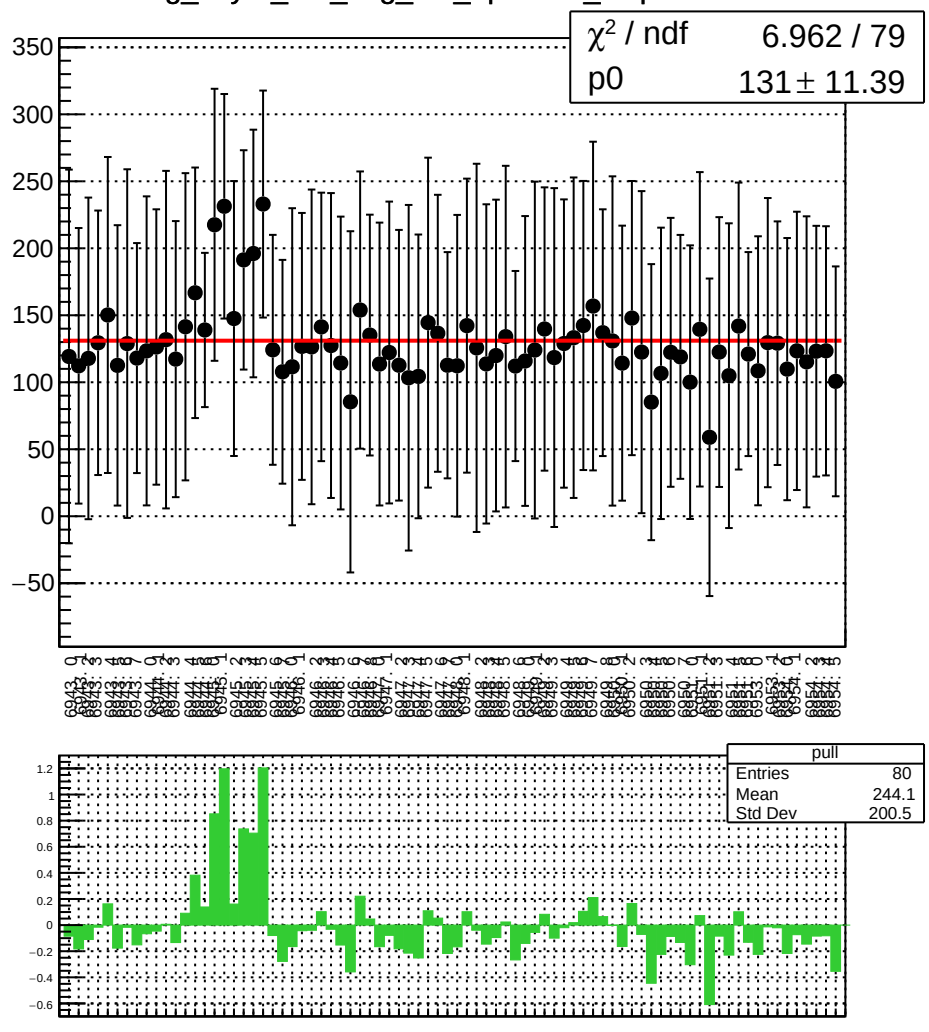

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.97 / 79
p0 −521.9 ± 13.99
−300
−400
−500
−600
−700
−800
pull
Entries 80
Mean 39.26
Std Dev 7.976
1.5
1
0.5
0
−0.5
pull1D
Entries 80
Mean −0.037
Std Dev 0.4452
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

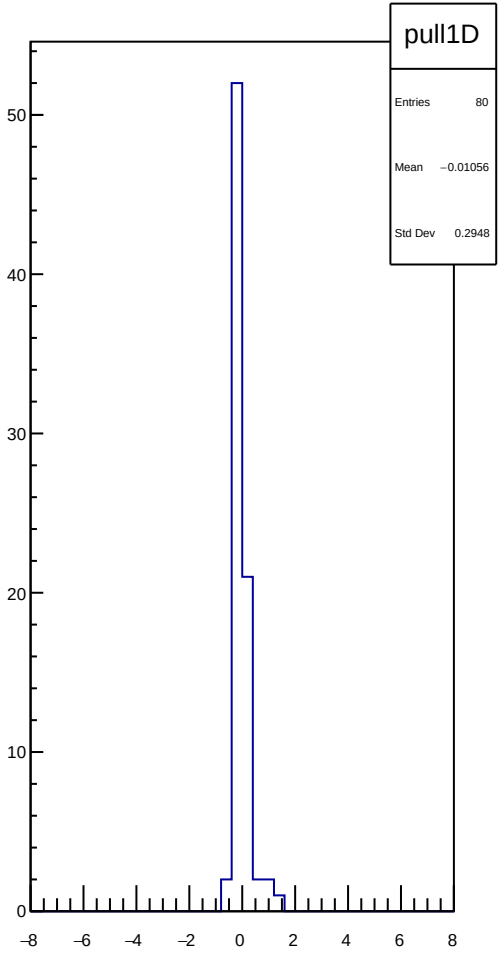

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.927 / 79
p0 8.279 ± 9.891
pull
Entries 80
Mean 261.3
Std Dev 217.1

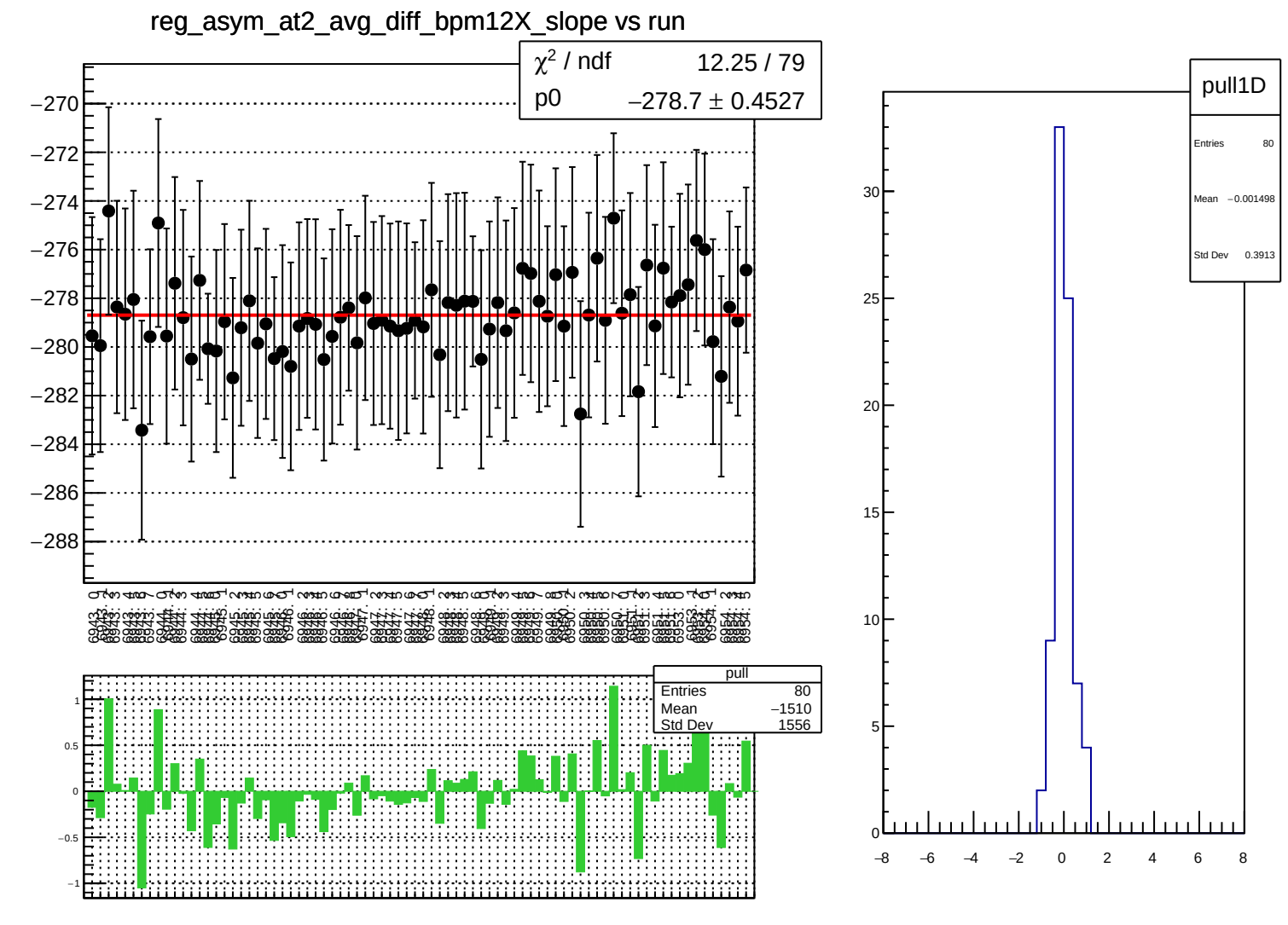

pull1D
Entries 80
Mean 0.008271
Std Dev 0.2721

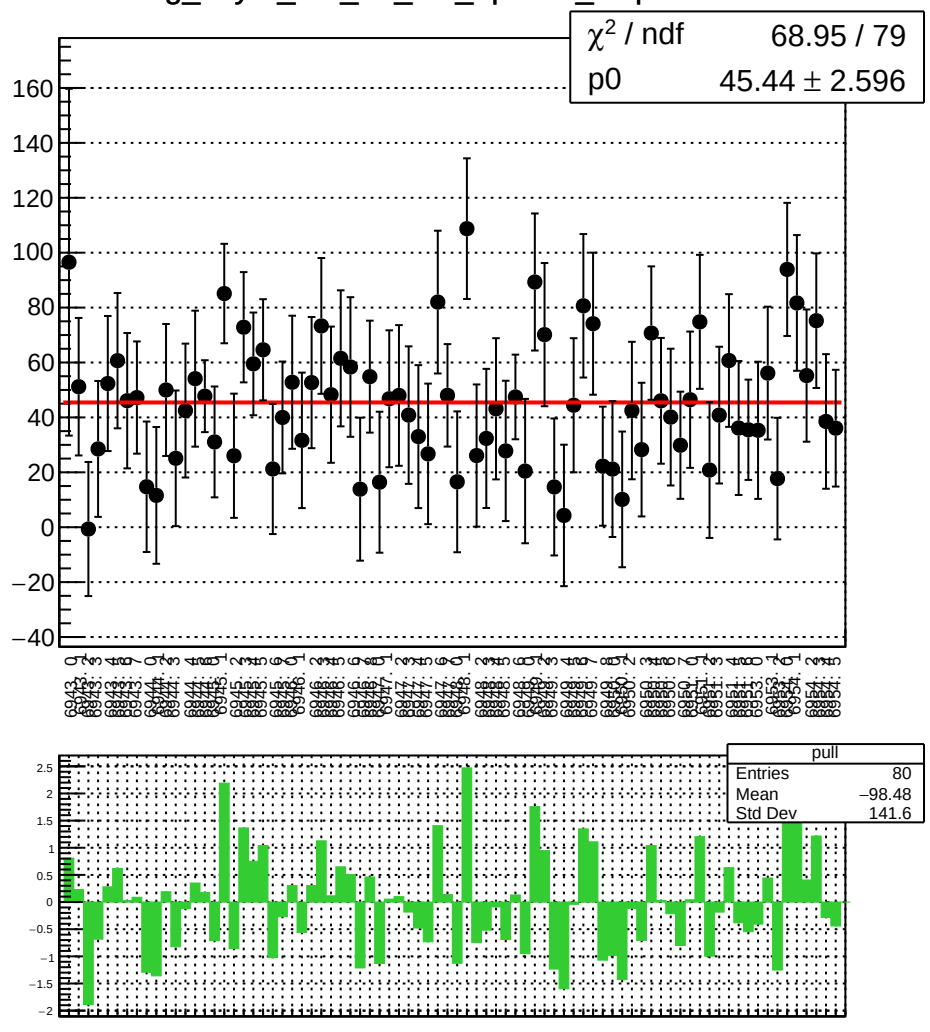

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.94 / 79
p0 506.5 ± 13.06
800
700
600
500
400
300
pull
Entries 80
Mean 42.78
Std Dev 11.43
0.5
0
−0.5
−1
−1.5
−2

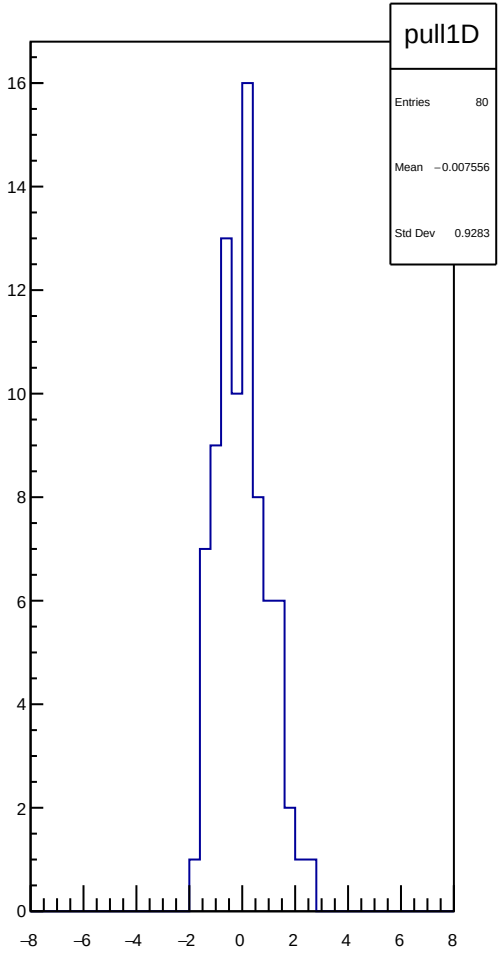

pull1D
Entries 80
Mean 0.03738
Std Dev 0.4448
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

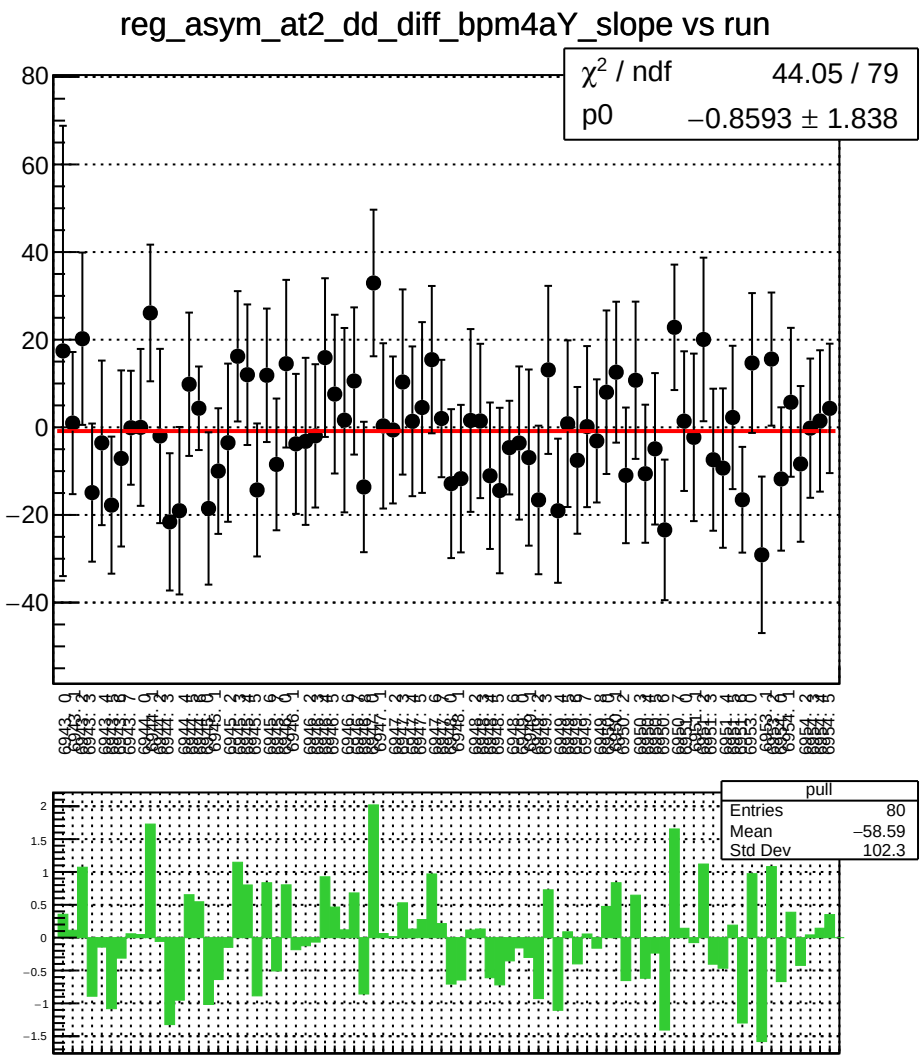

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.962 / 79
p0 131 ± 11.39
pull
Entries 80
Mean 244.1
Std Dev 200.5

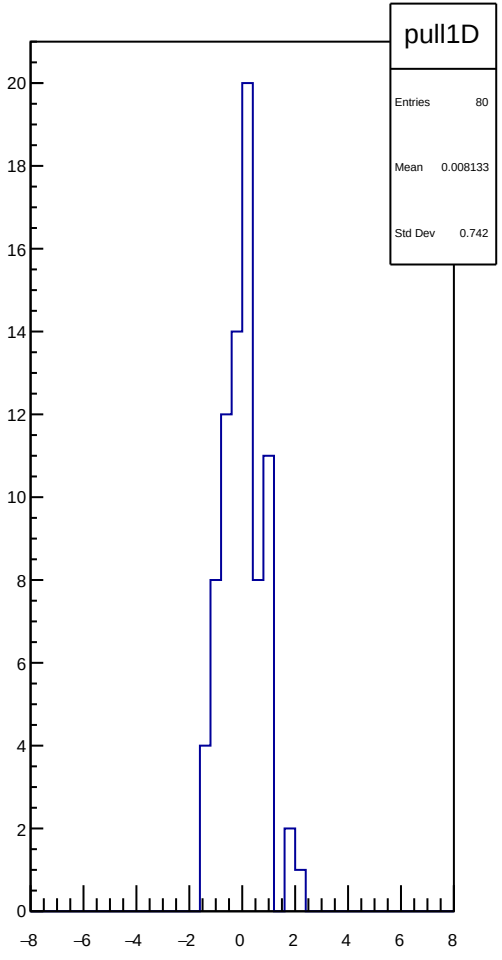

pull1D
Entries 80
Mean −0.01056
Std Dev 0.2948

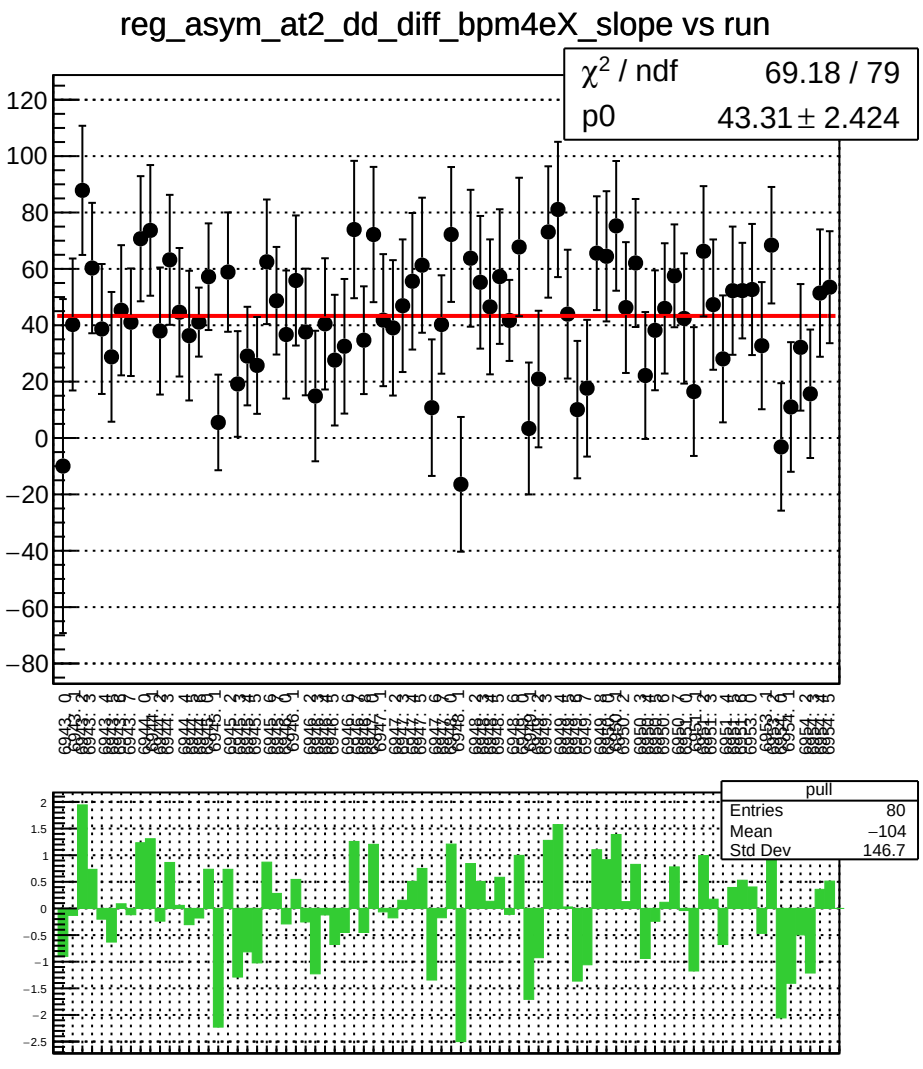

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.25 / 79
p0 −278.7 ± 0.4527
pull
Entries 80
Mean −1510
Std Dev 1556
pull1D
Entries 80
Mean −0.001498
Std Dev 0.3913

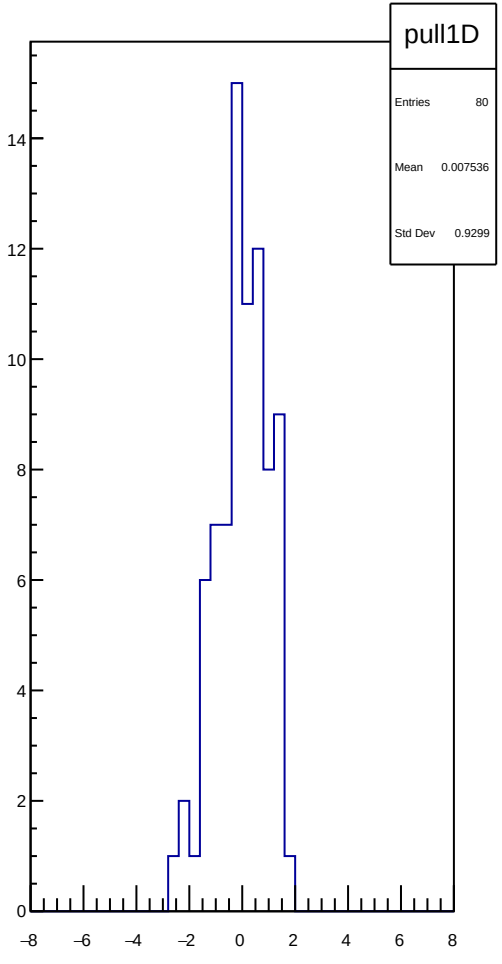

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 68.95 / 79
p0 45.44 ± 2.596
pull
Entries 80
Mean −98.48
Std Dev 141.6

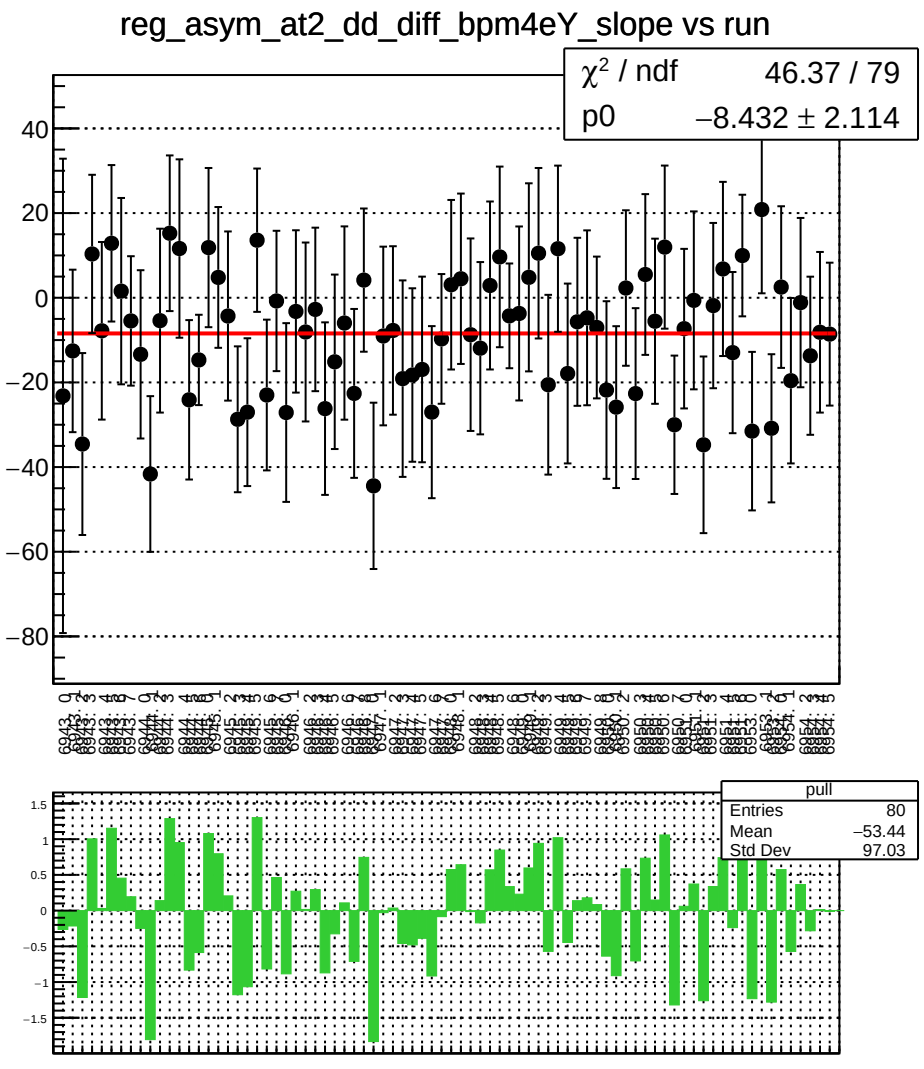

pull1D
Entries 80
Mean −0.007556
Std Dev 0.9283

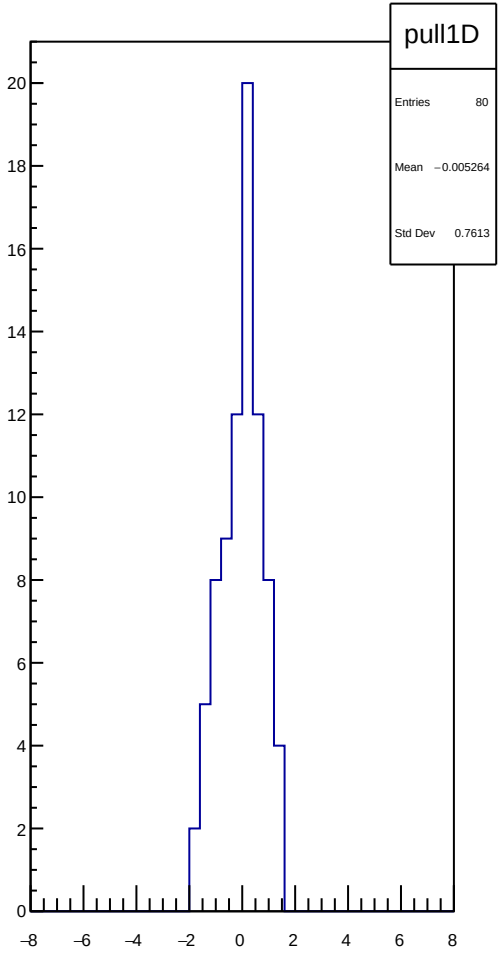

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.05 / 79
p0 −0.8593 ± 1.838
pull
Entries 80
Mean −58.59
Std Dev 102.3

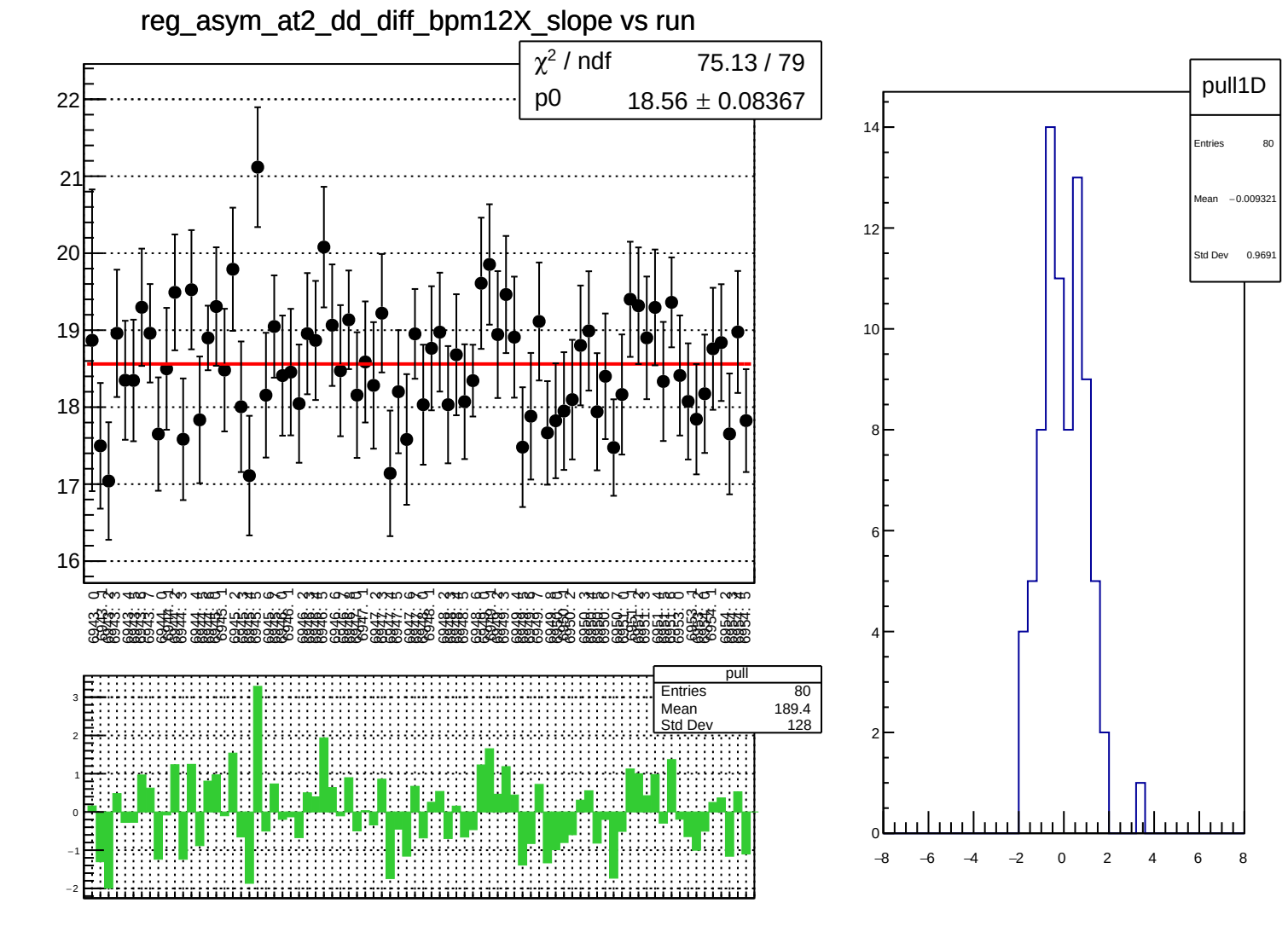

pull1D
Entries 80
Mean 0.008133
Std Dev 0.742

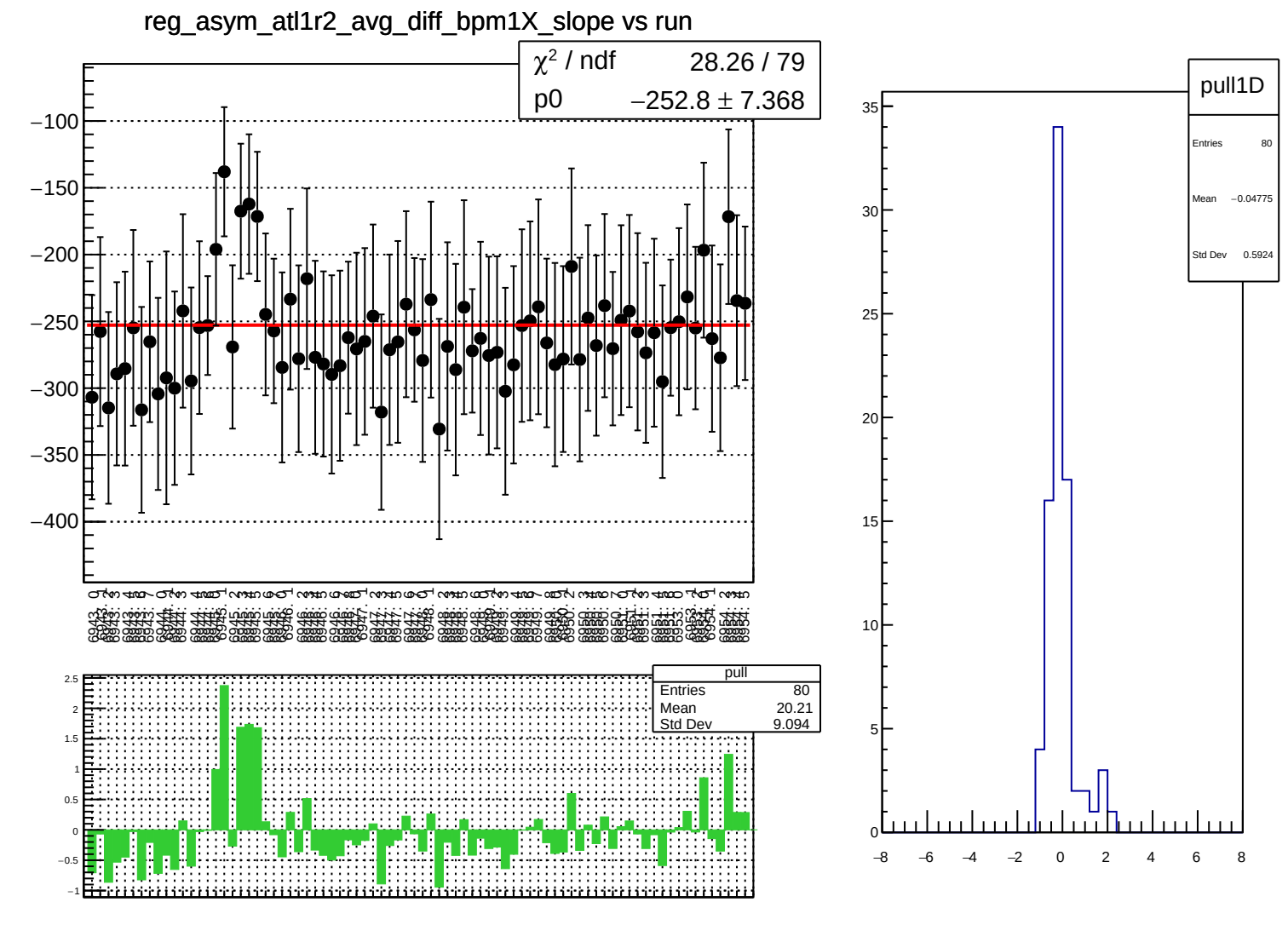

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 69.18 / 79
p0 43.31 ± 2.424
pull
Entries 80
Mean −104
Std Dev 146.7

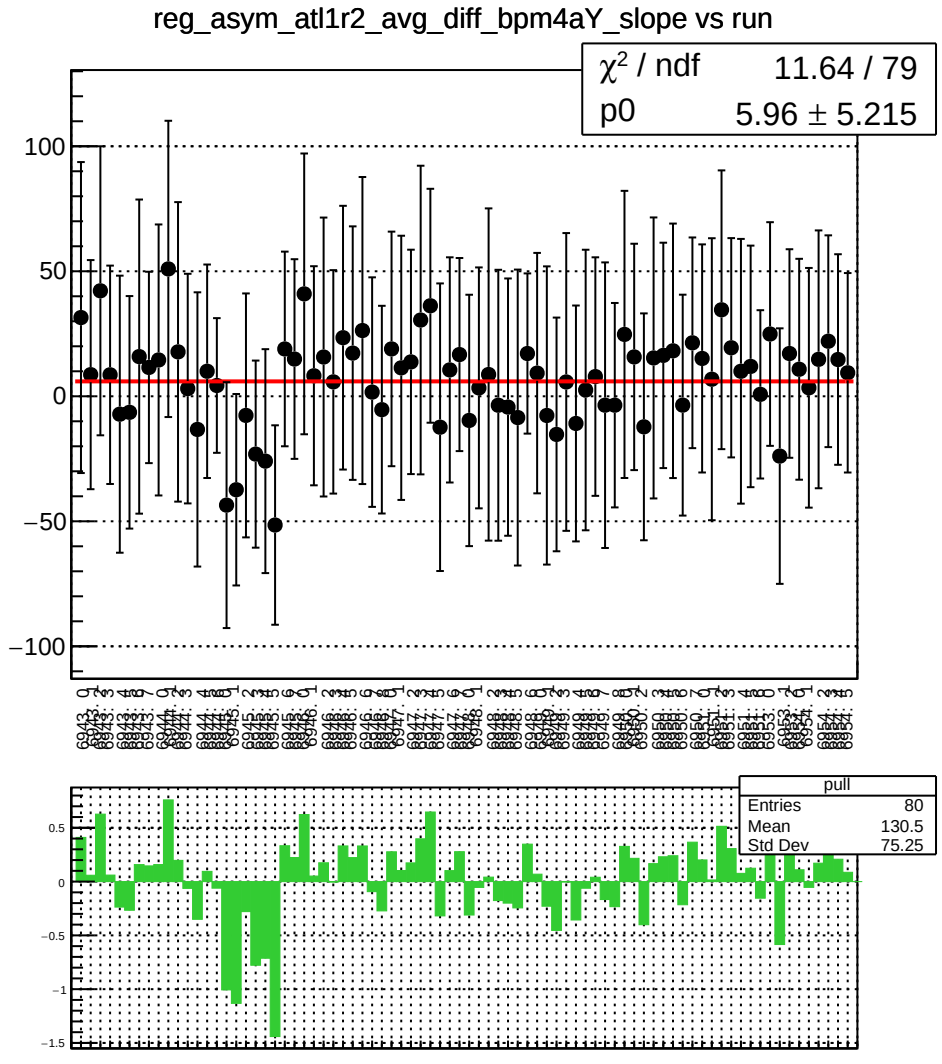

pull1D
Entries 80
Mean 0.007536
Std Dev 0.9299

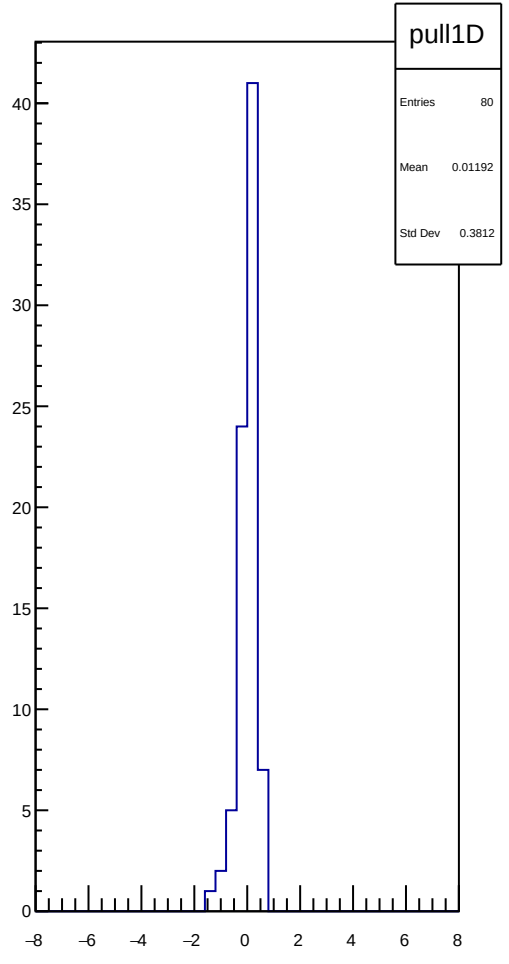

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.37 / 79
p0 −8.432 ± 2.114
pull
Entries 80
Mean −53.44
Std Dev 97.03

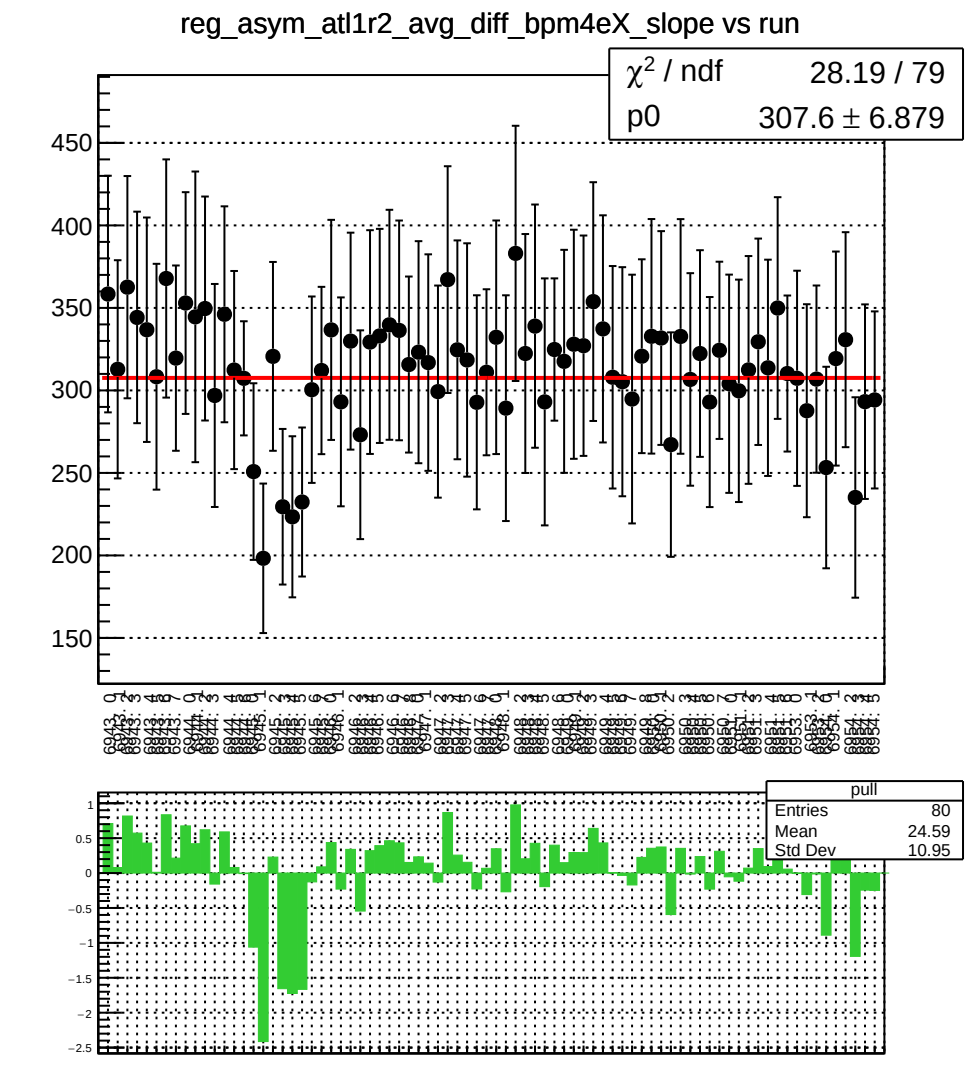

pull1D
Entries 80
Mean −0.005264
Std Dev 0.7613

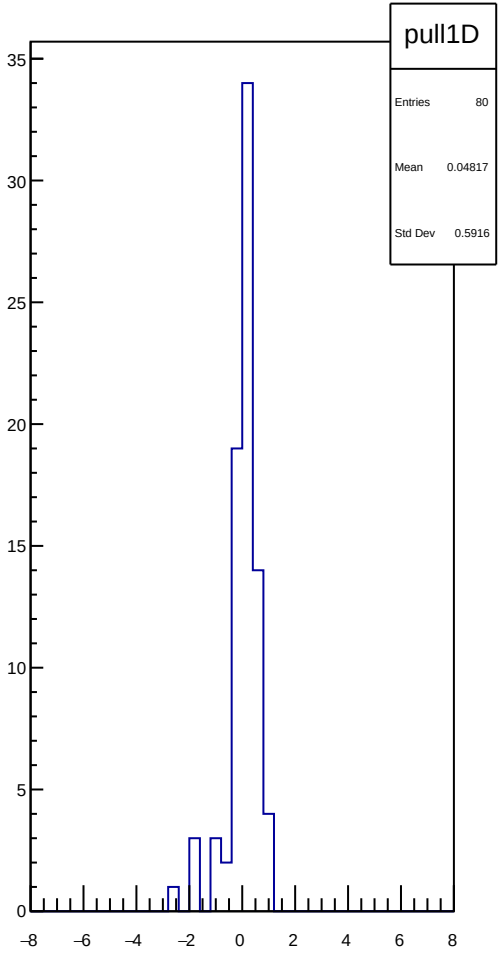

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 75.13 / 79
p0 18.56 ± 0.08367
pull
Entries 80
Mean 189.4
Std Dev 128
pull1D
Entries 80
Mean −0.009321
Std Dev 0.9691

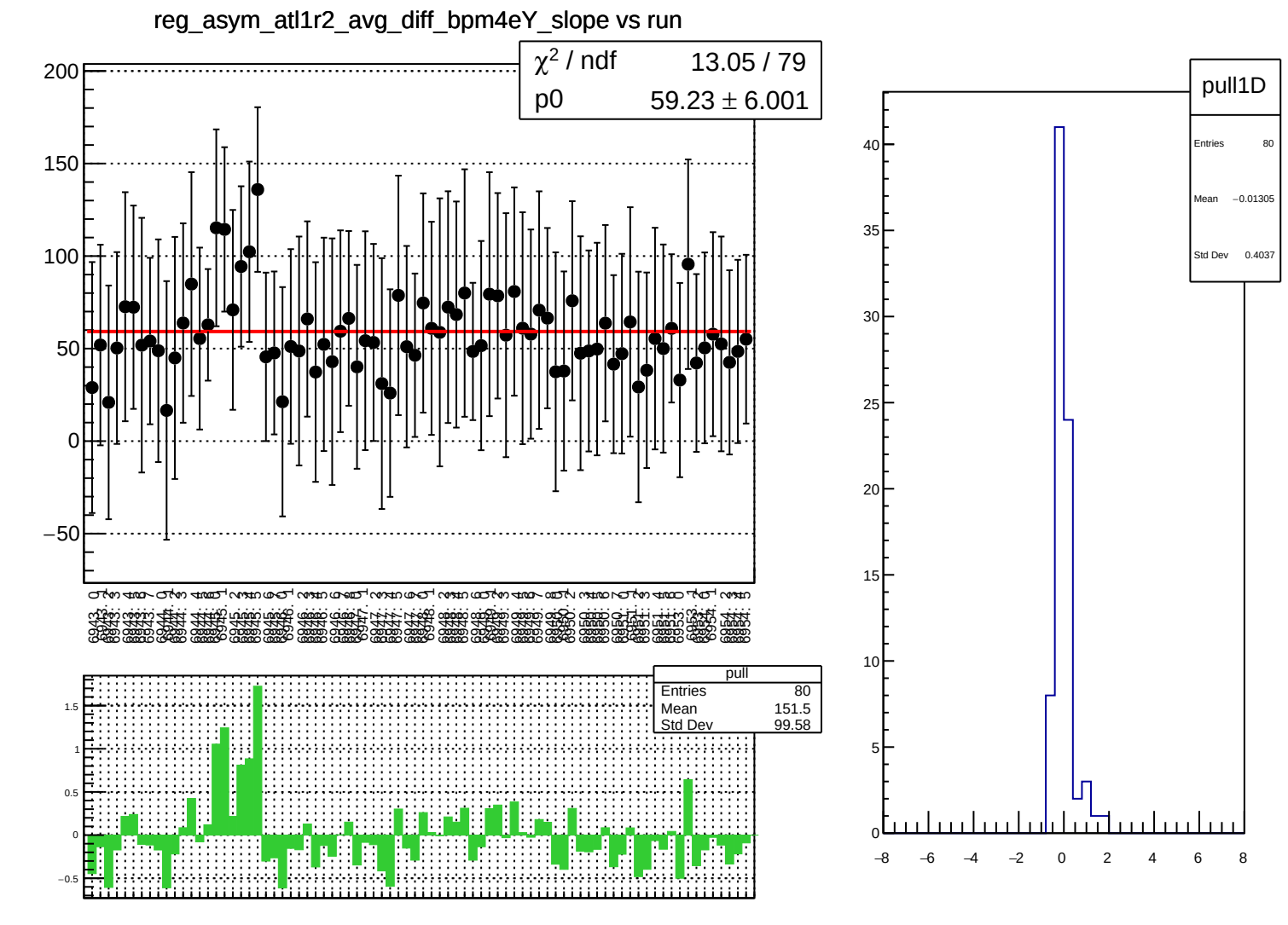

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 28.26 / 79
p0 −252.8 ± 7.368
pull
Entries 80
Mean 20.21
Std Dev 9.094
pull1D
Entries 80
Mean −0.04775
Std Dev 0.5924

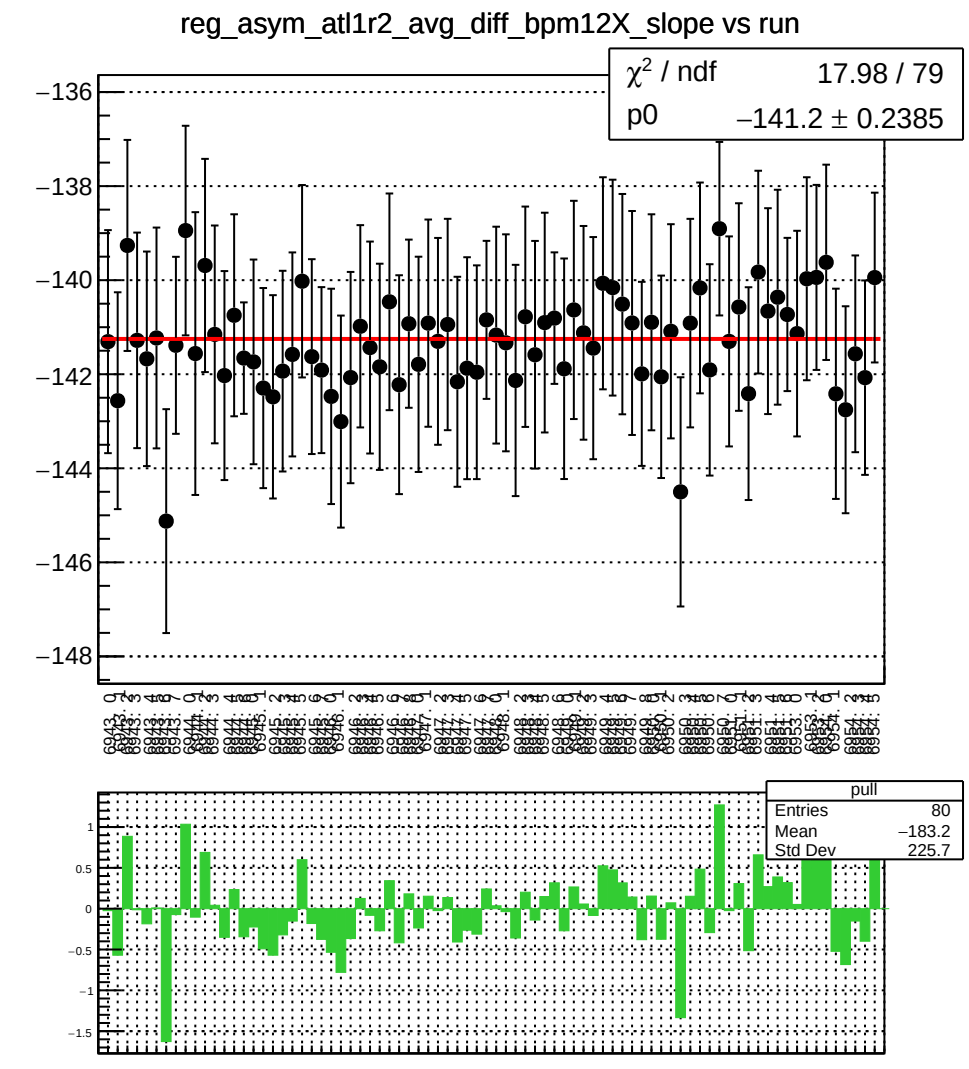

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.64 / 79
p0 5.96 ± 5.215
pull
Entries 80
Mean 130.5
Std Dev 75.25

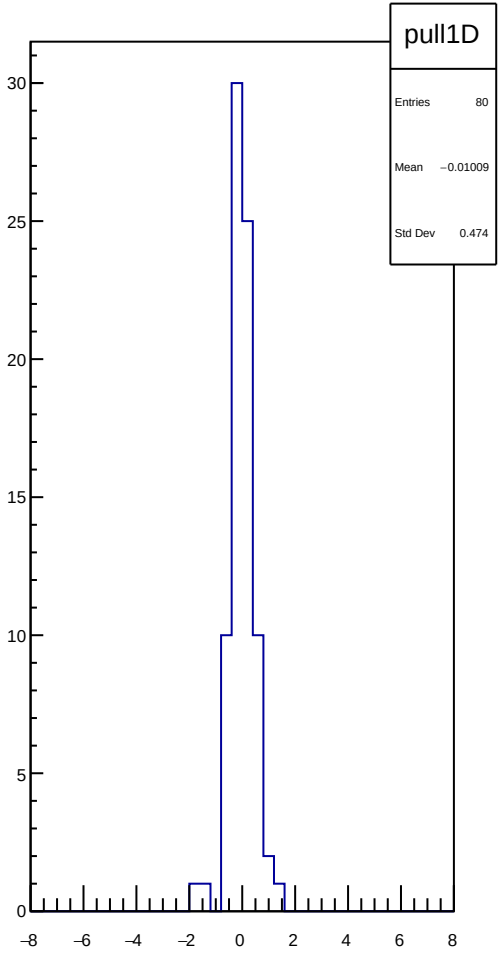

pull1D
Entries 80
Mean 0.01192
Std Dev 0.3812

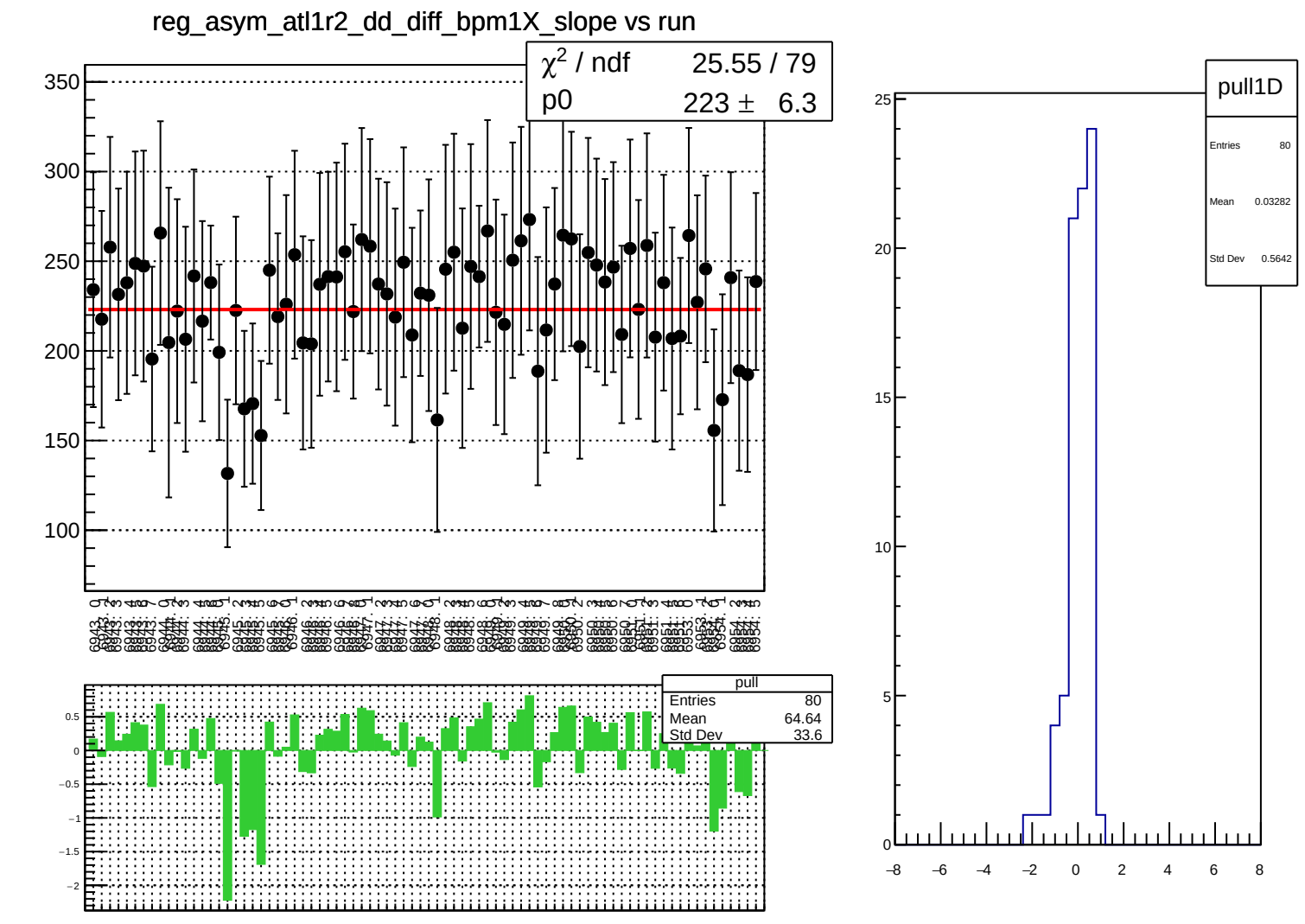

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.19 / 79
p0 307.6 ± 6.879
pull
Entries 80
Mean 24.59
Std Dev 10.95

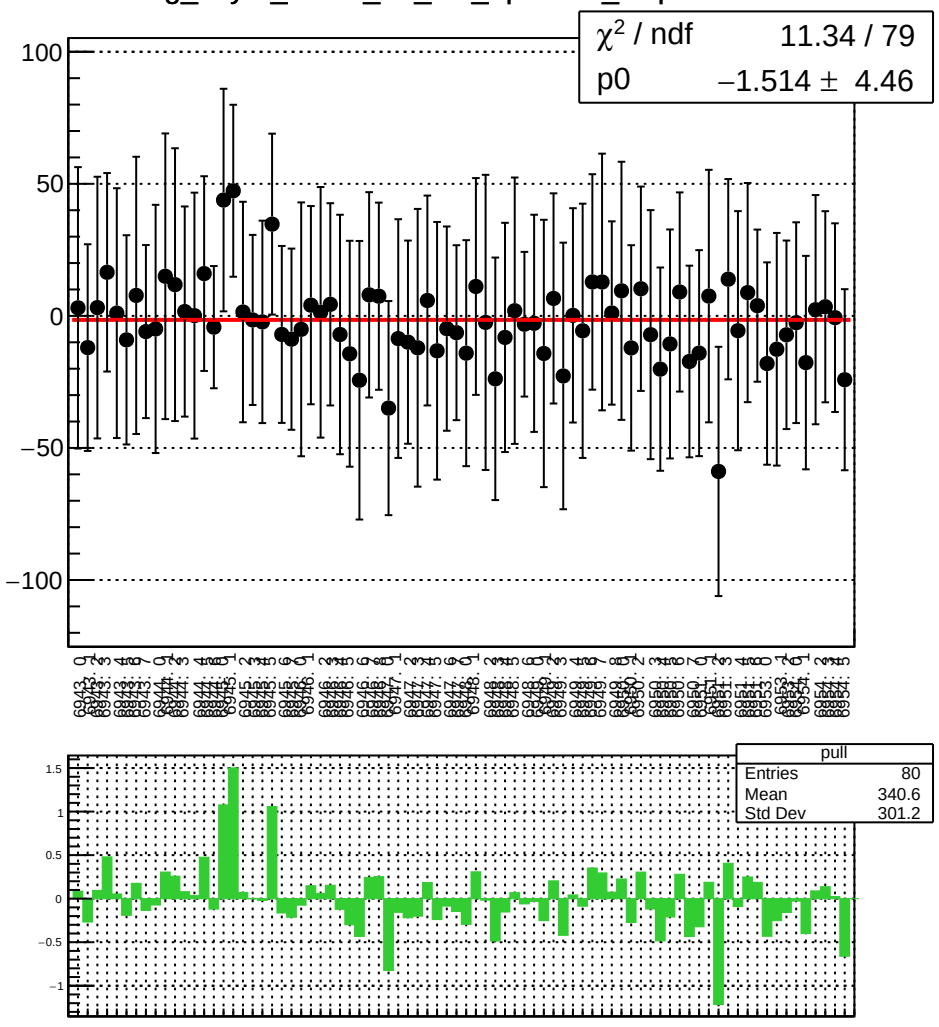

pull1D
Entries 80
Mean 0.04817
Std Dev 0.5916

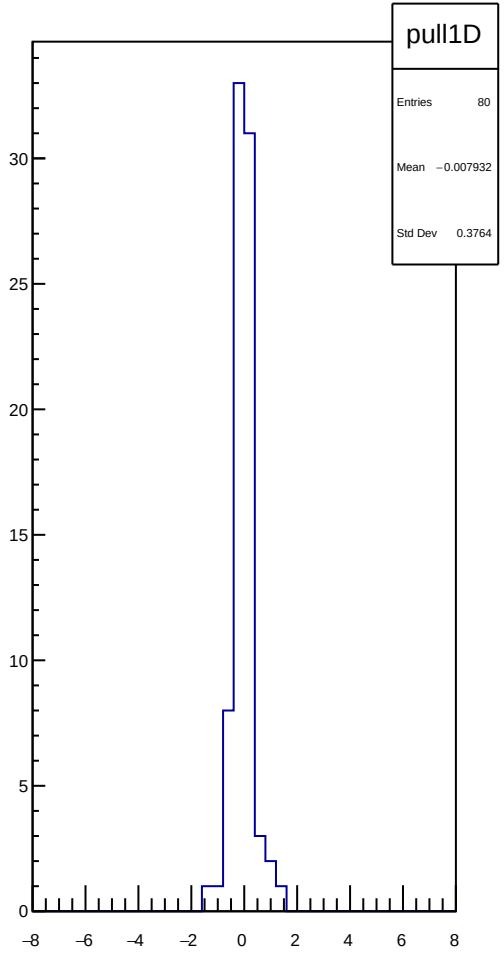

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.05 / 79
p0 59.23 ± 6.001
pull
Entries 80
Mean 151.5
Std Dev 99.58
pull1D
Entries 80
Mean −0.01305
Std Dev 0.4037

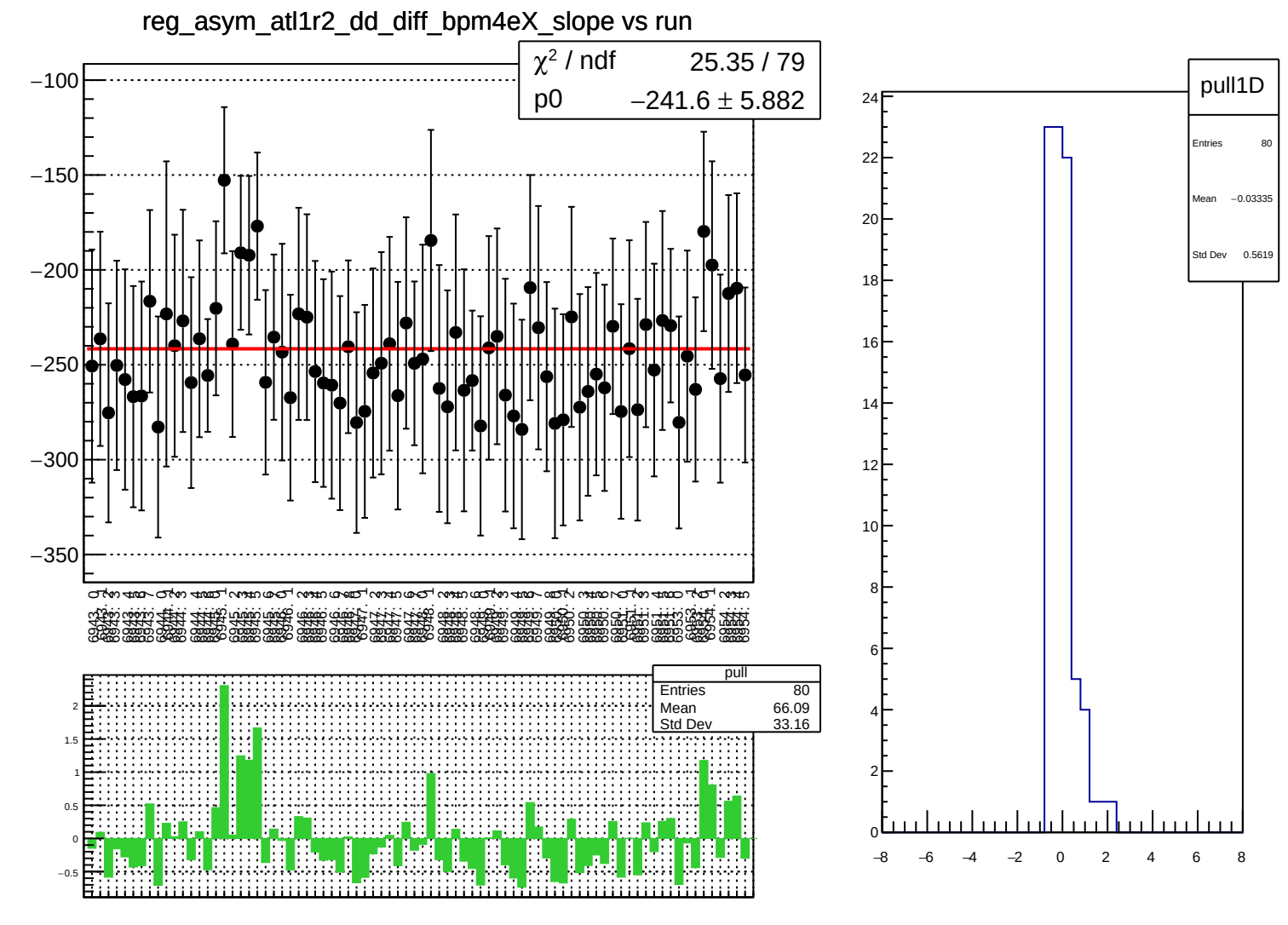

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 17.98 / 79
p0 −141.2 ± 0.2385
pull
Entries 80
Mean −183.2
Std Dev 225.7

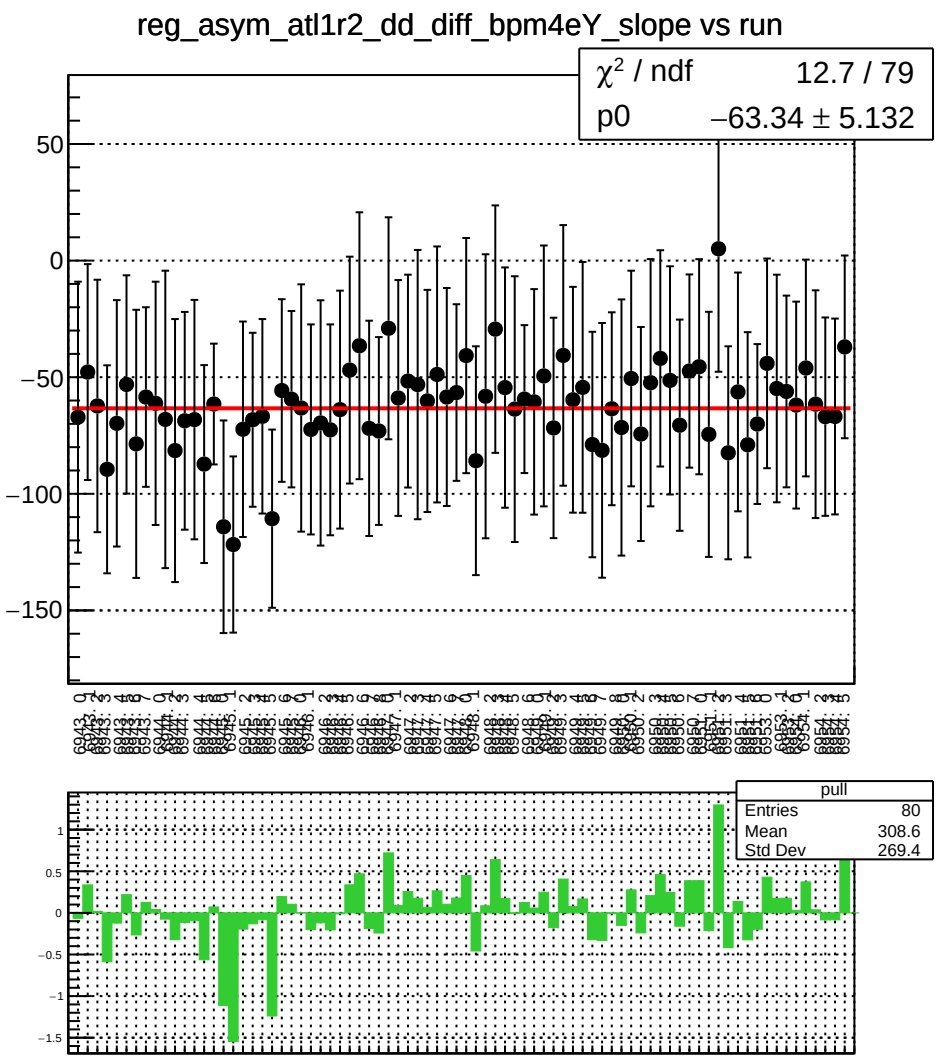

pull1D
Entries 80
Mean −0.01009
Std Dev 0.474

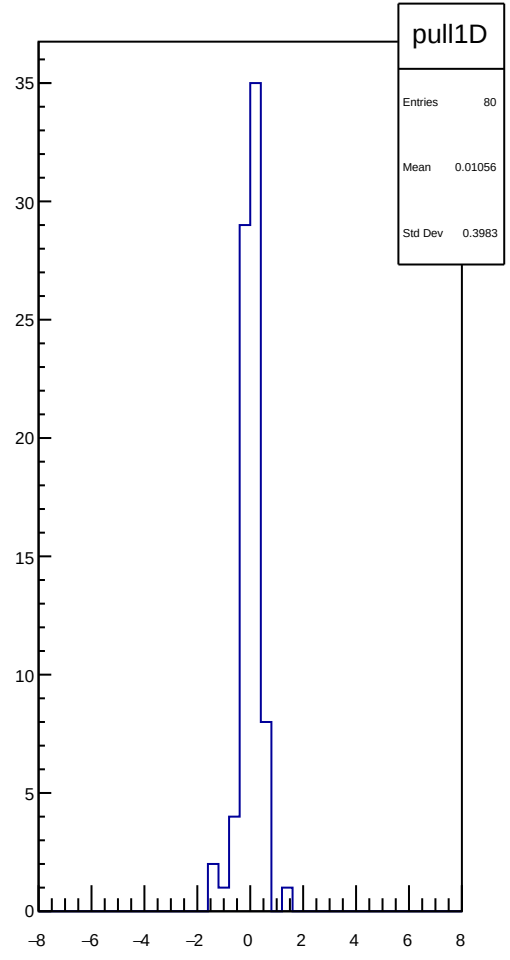

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 25.55 / 79
p0 223 ± 6.3
350
300
250
200
150
100
pull
Entries 80
Mean 64.64
Std Dev 33.6
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.03282
Std Dev 0.5642
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

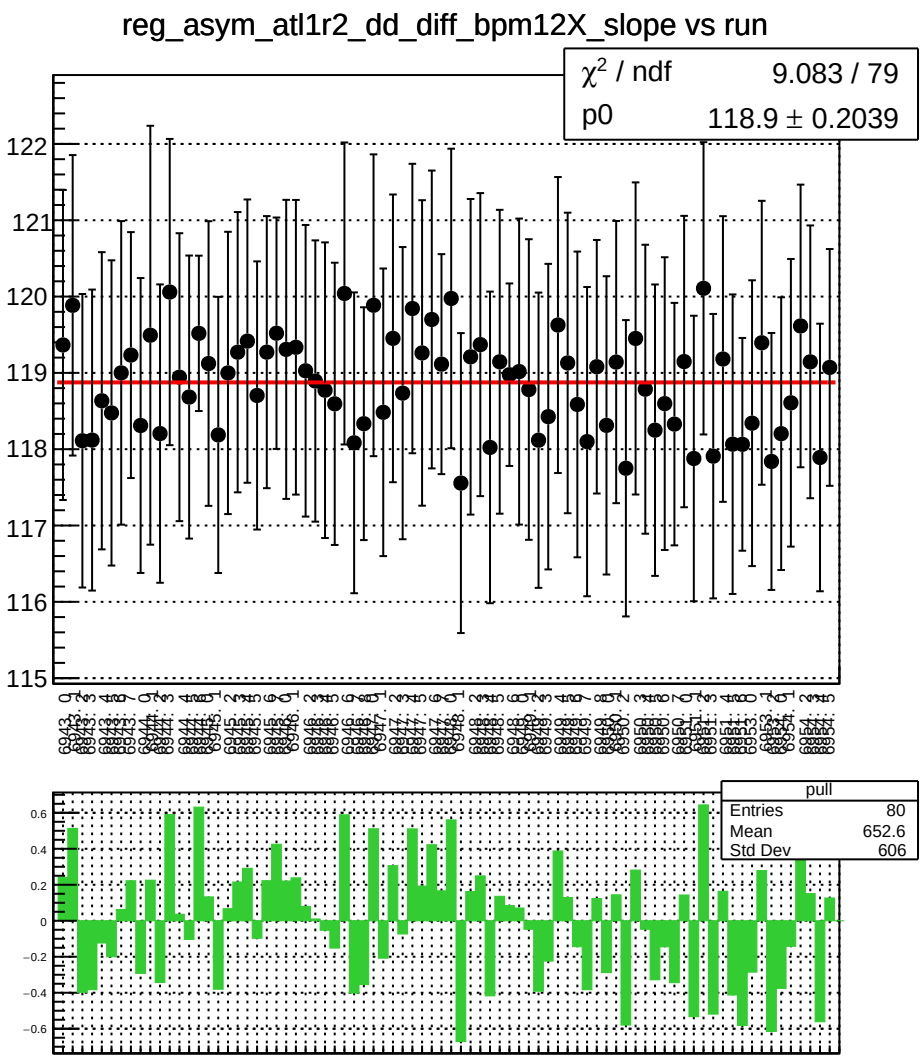

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.34 / 79
p0 −1.514 ± 4.46
pull
Entries 80
Mean 340.6
Std Dev 301.2

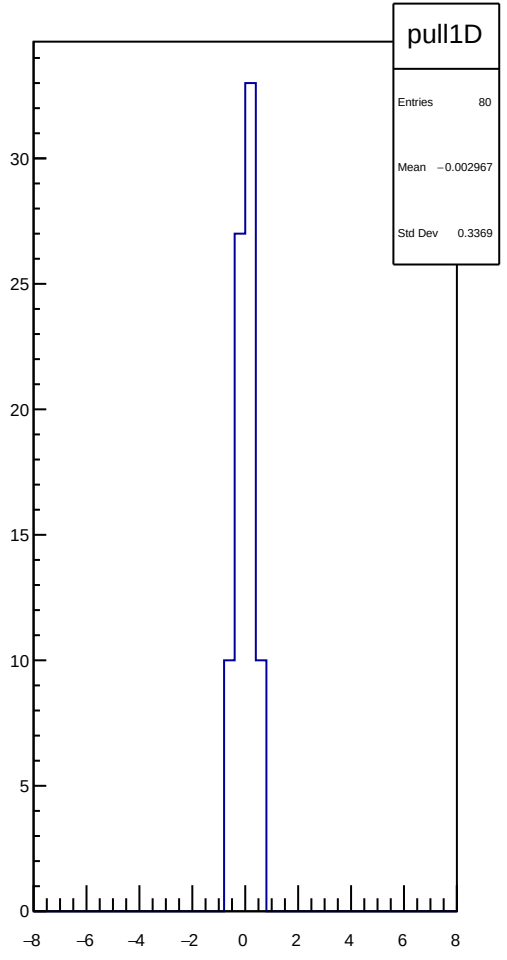

pull1D
Entries 80
Mean −0.007932
Std Dev 0.3764

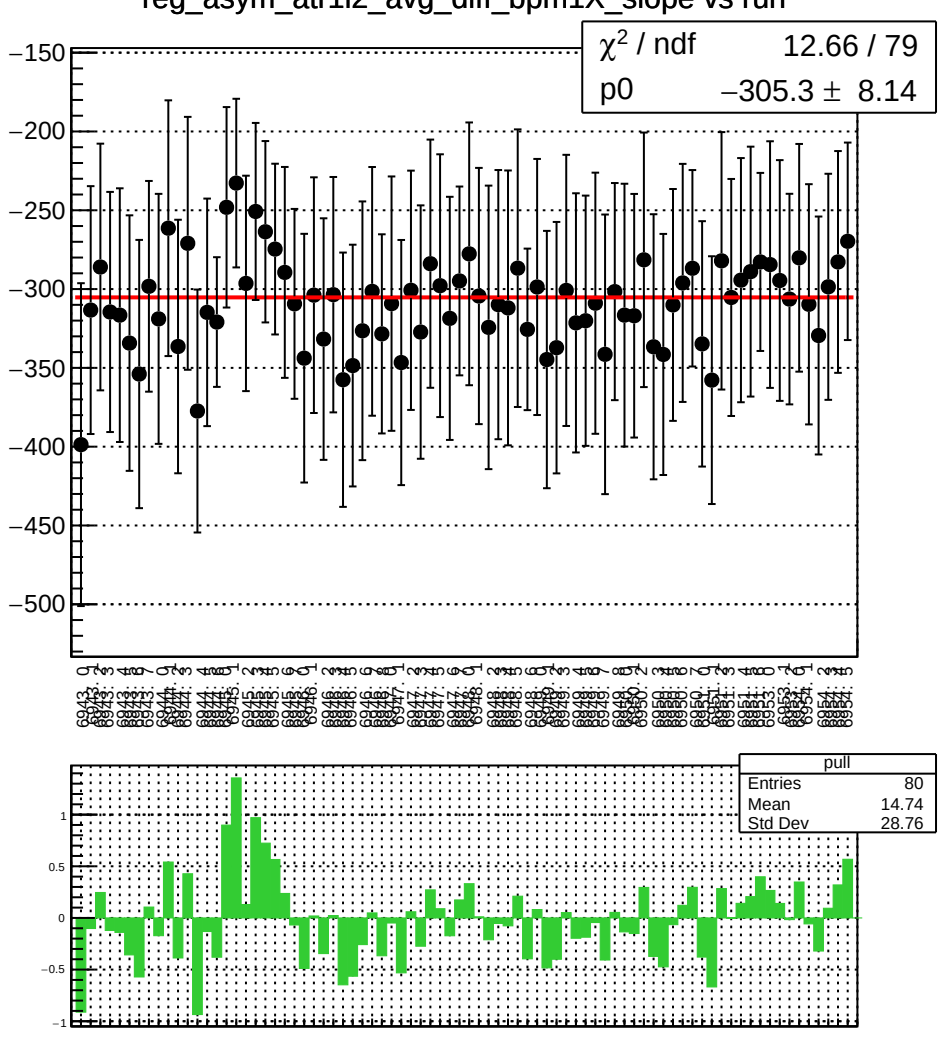

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.35 / 79
p0 −241.6 ± 5.882
pull
Entries 80
Mean 66.09
Std Dev 33.16
pull1D
Entries 80
Mean −0.03335
Std Dev 0.5619

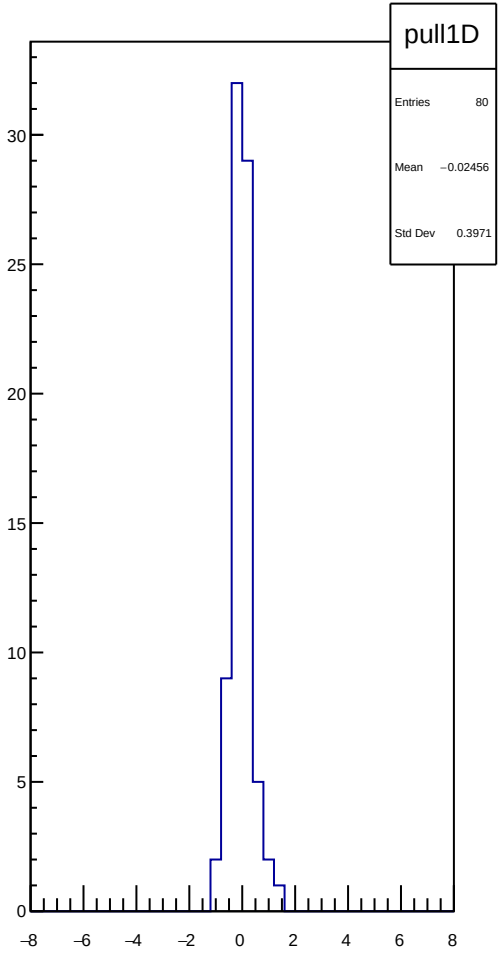

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.7 / 79
p0 −63.34 ± 5.132
50
0
−50
−100
−150
pull
Entries 80
Mean 308.6
Std Dev 269.4
1
0.5
0
−0.5
−1
−1.5

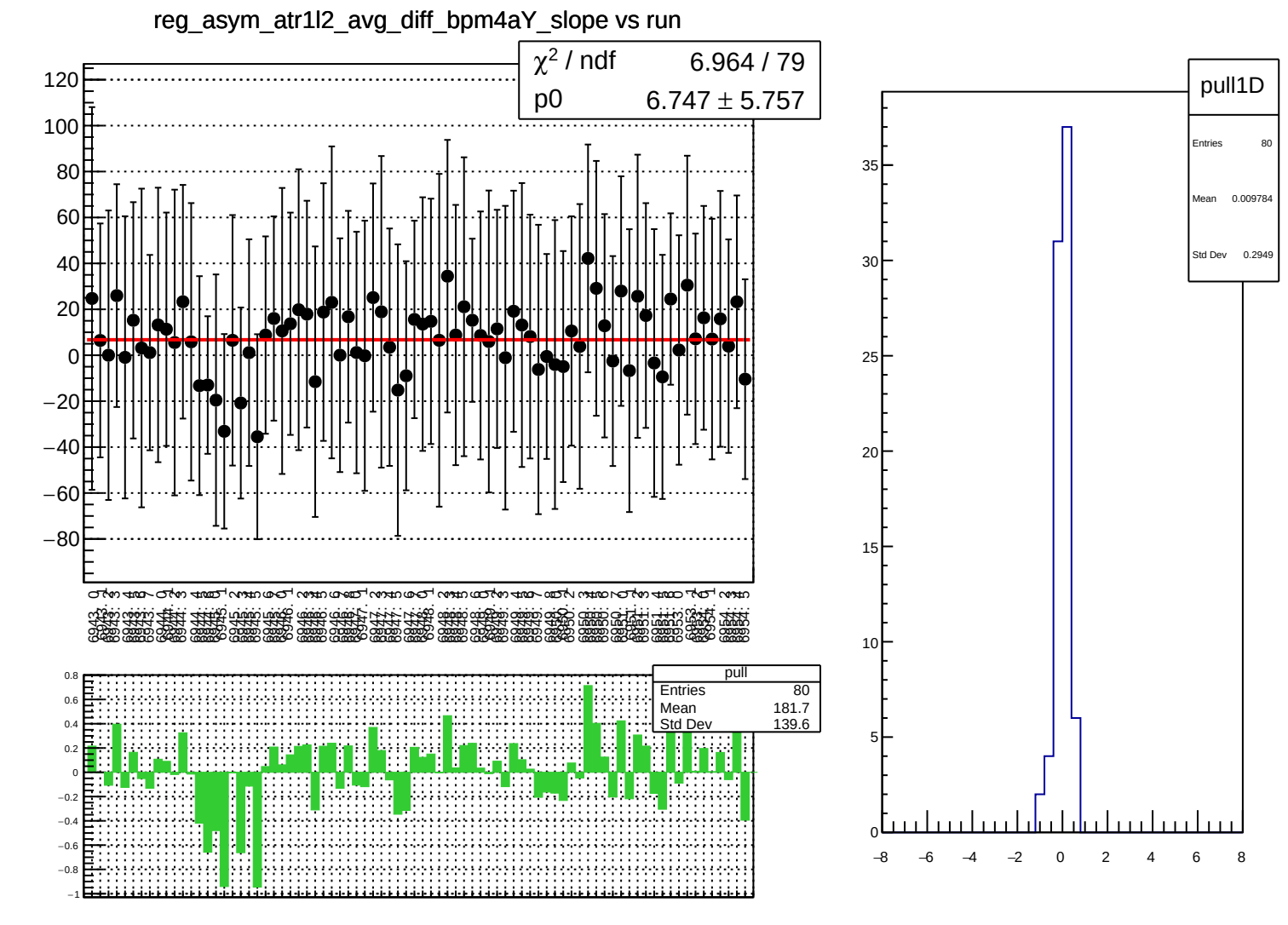

pull1D
Entries 80
Mean 0.01056
Std Dev 0.3983
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

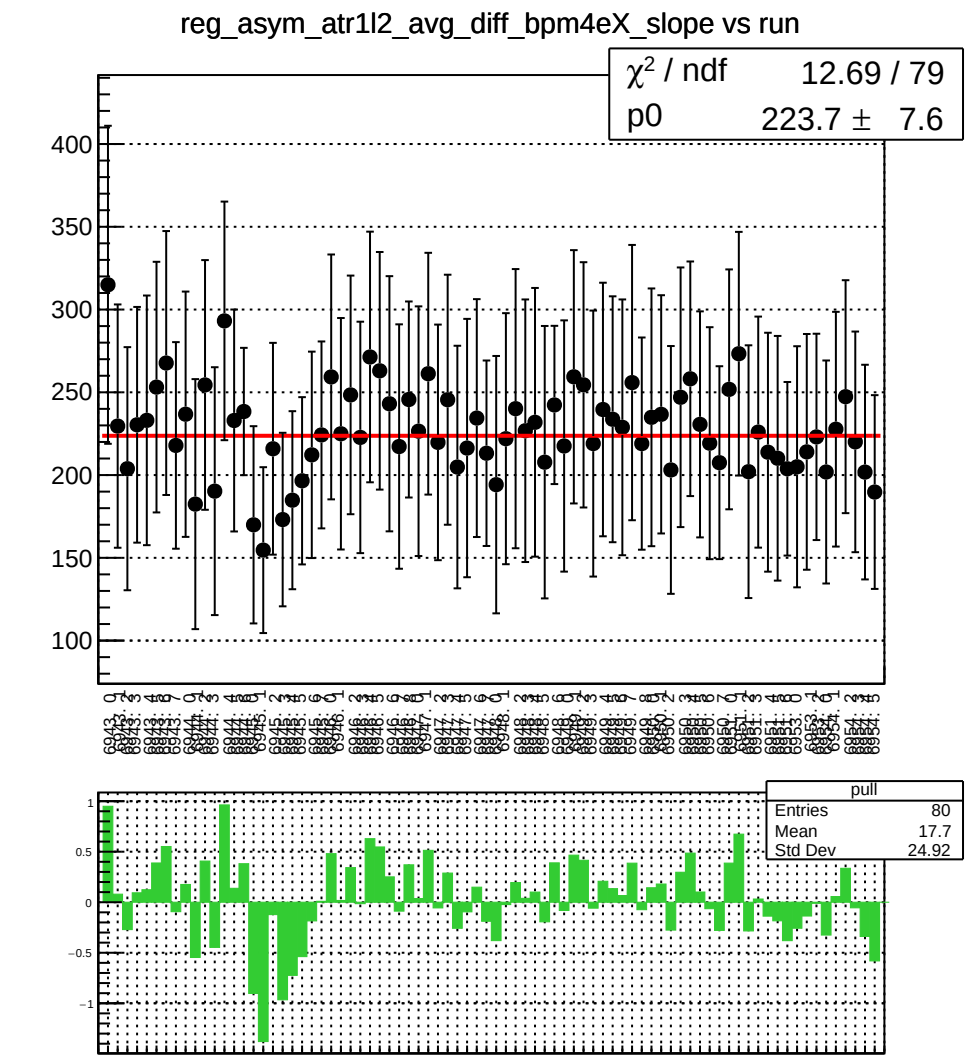

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 9.083 / 79
p0 118.9 ± 0.2039
pull
Entries 80
Mean 652.6
Std Dev 606

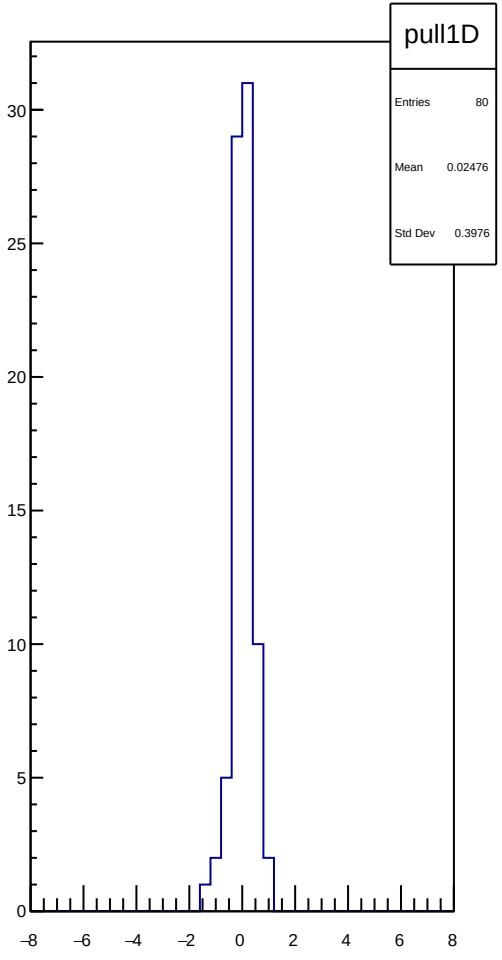

pull1D
Entries 80
Mean −0.002967
Std Dev 0.3369

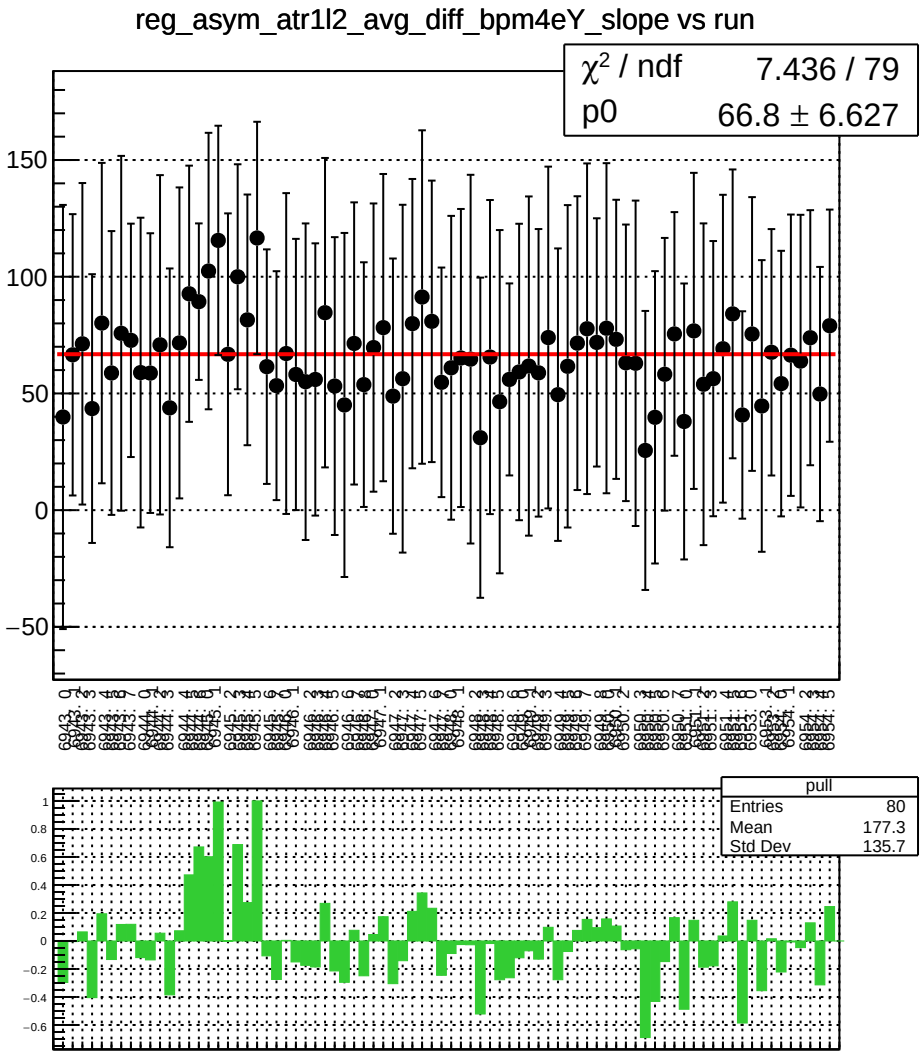

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 12.66 / 79
p0 −305.3 ± 8.14
pull
Entries 80
Mean 14.74
Std Dev 28.76

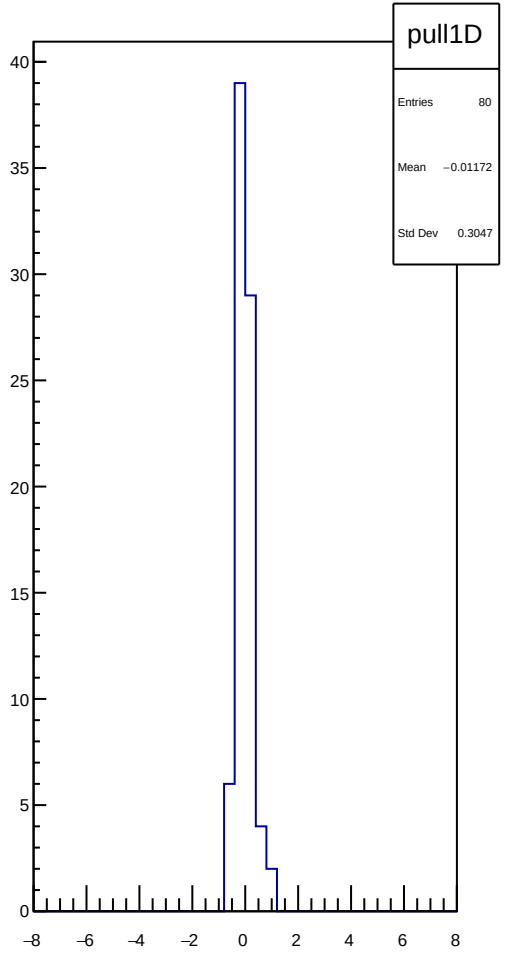

pull1D
Entries 80
Mean −0.02456
Std Dev 0.3971

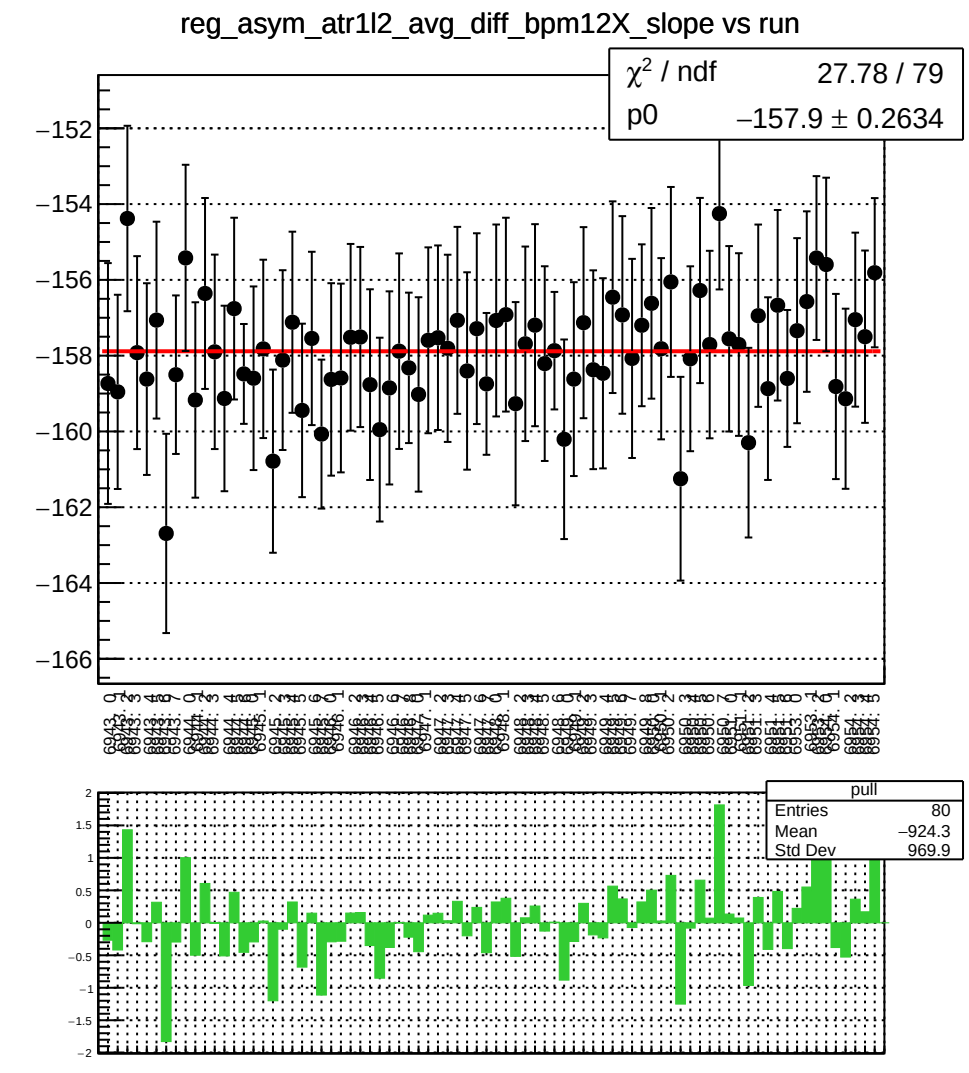

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.964 / 79
p0 6.747 ± 5.757
pull
Entries 80
Mean 181.7
Std Dev 139.6
pull1D
Entries 80
Mean 0.009784
Std Dev 0.2949

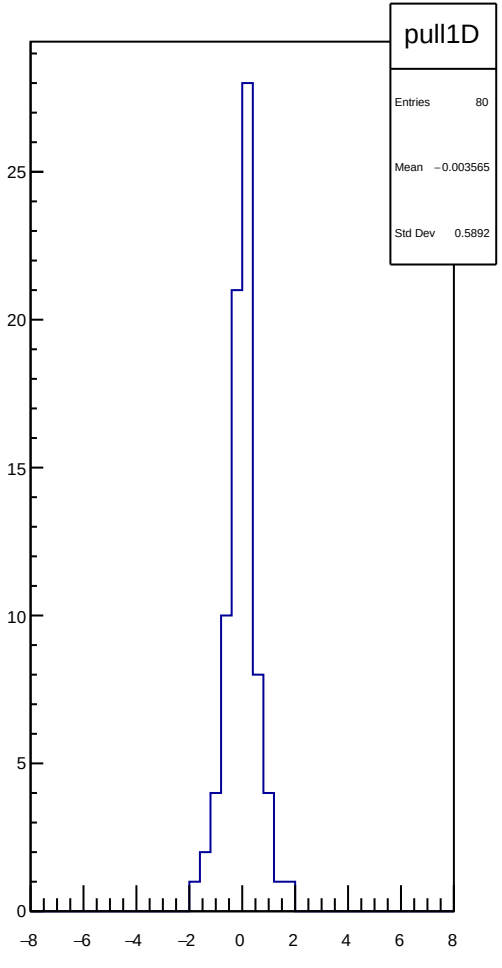

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.69 / 79
p0 223.7 ± 7.6
pull
Entries 80
Mean 17.7
Std Dev 24.92

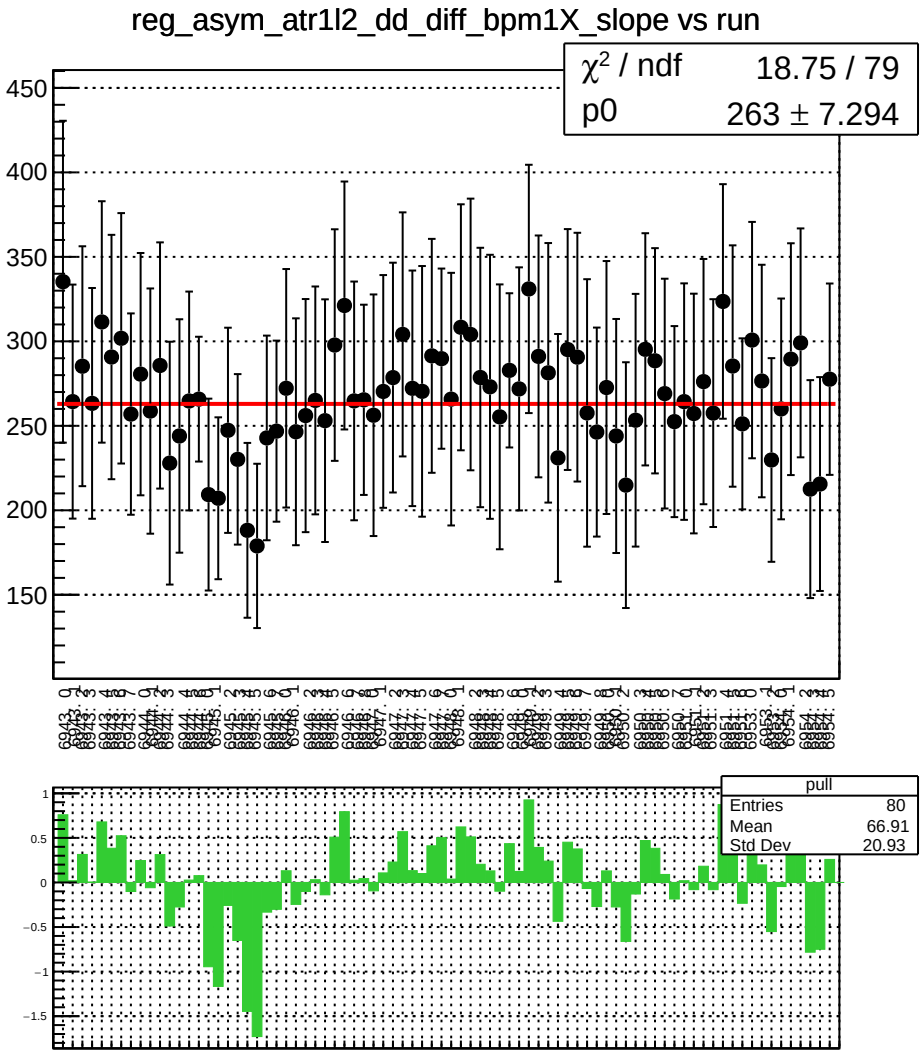

pull1D
Entries 80
Mean 0.02476
Std Dev 0.3976

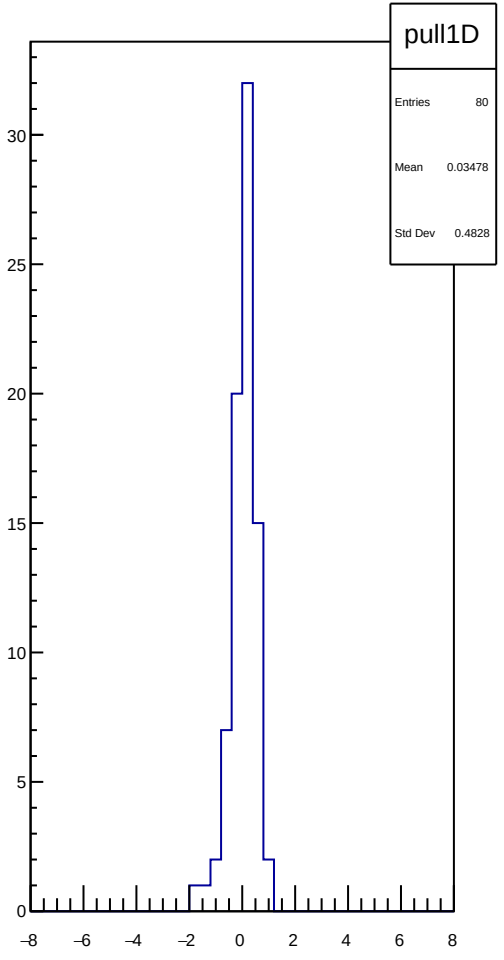

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.436 / 79
p0 66.8 ± 6.627
150
100
50
0
−50
pull
Entries 80
Mean 177.3
Std Dev 135.7
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

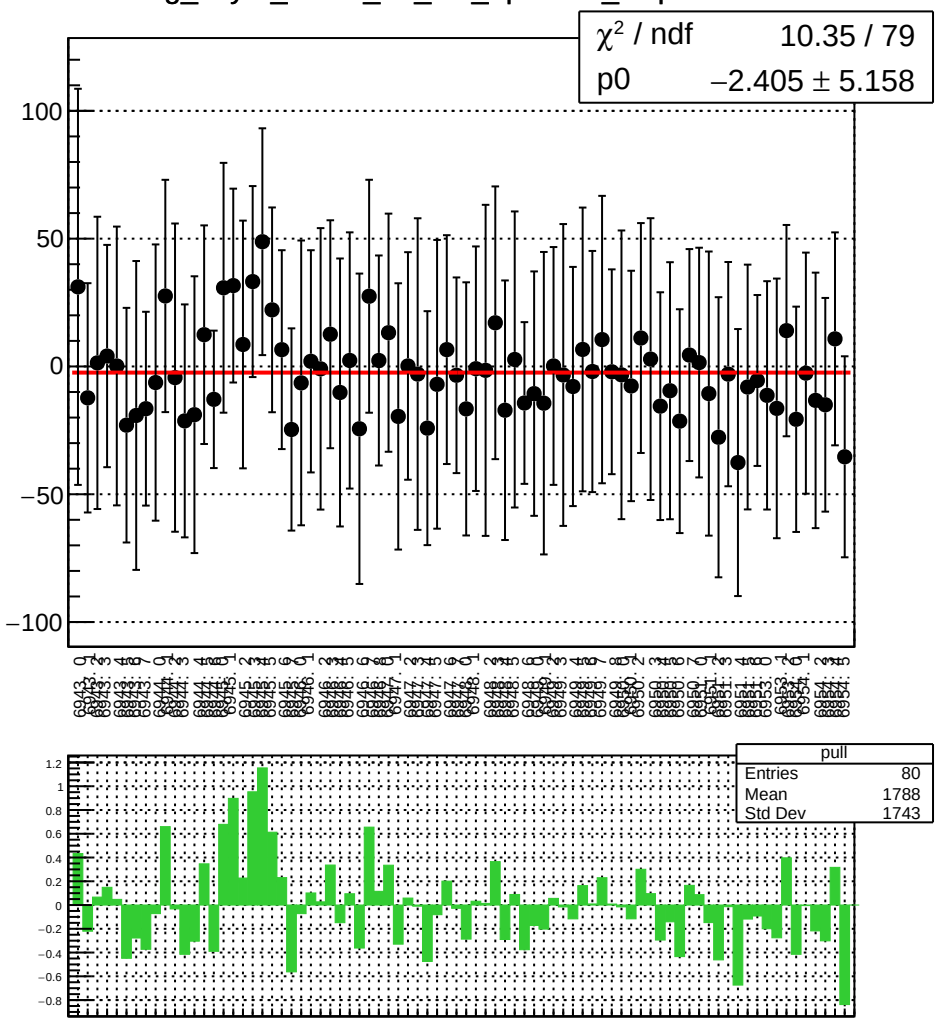

pull1D
Entries 80
Mean −0.01172
Std Dev 0.3047
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

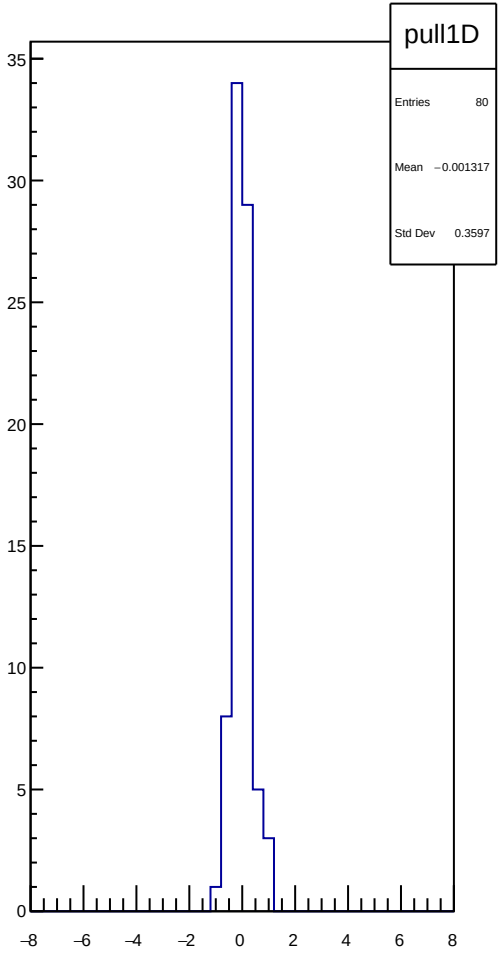

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 27.78 / 79
p0 −157.9 ± 0.2634
pull
Entries 80
Mean −924.3
Std Dev 969.9

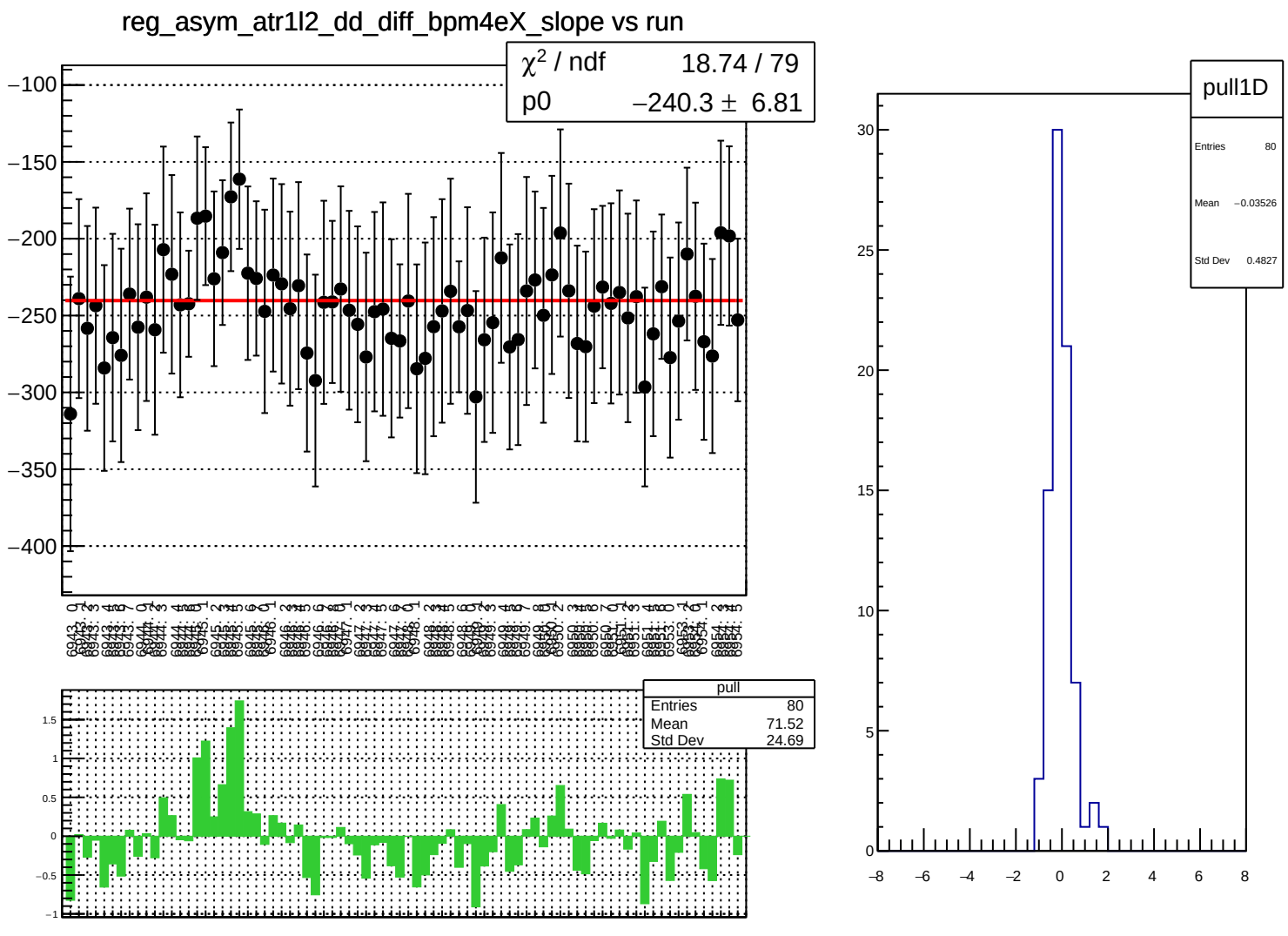

pull1D
Entries 80
Mean −0.003565
Std Dev 0.5892

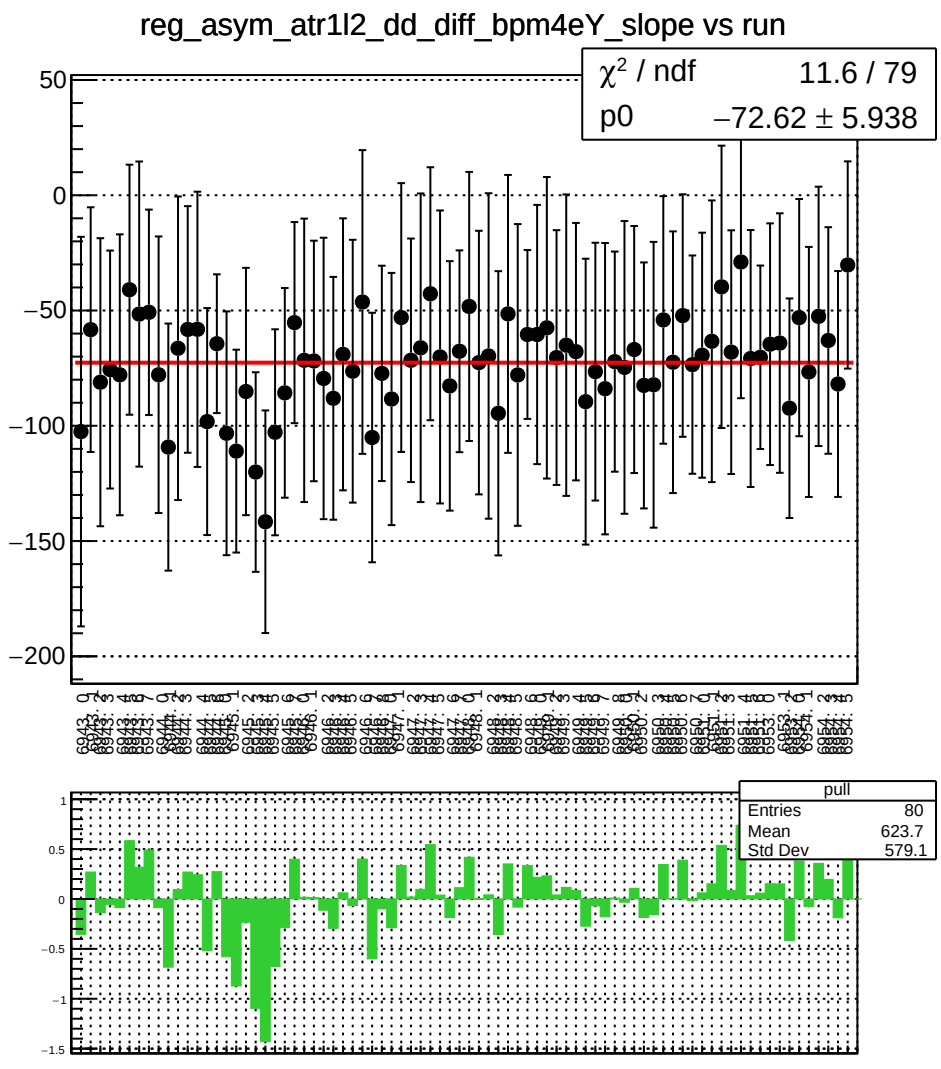

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 18.75 / 79
p0 263 ± 7.294
pull
Entries 80
Mean 66.91
Std Dev 20.93

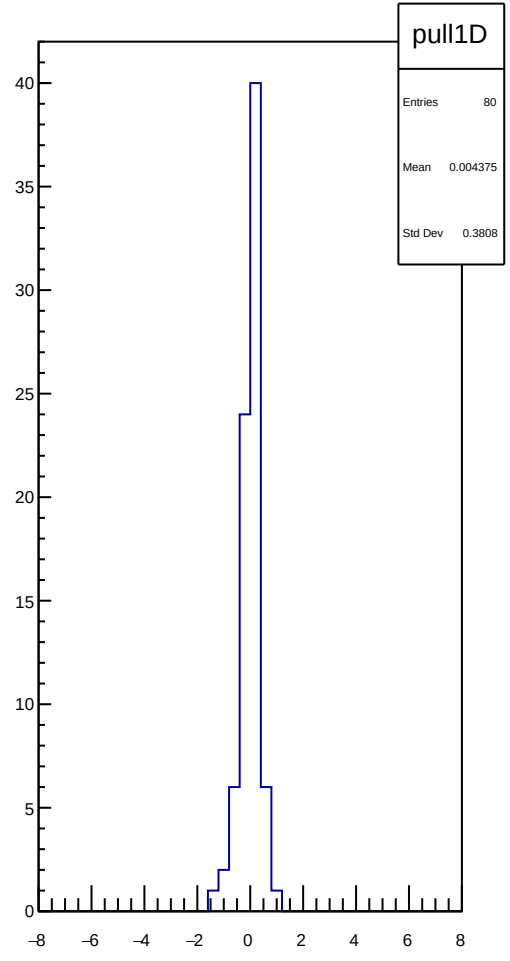

pull1D
Entries 80
Mean 0.03478
Std Dev 0.4828

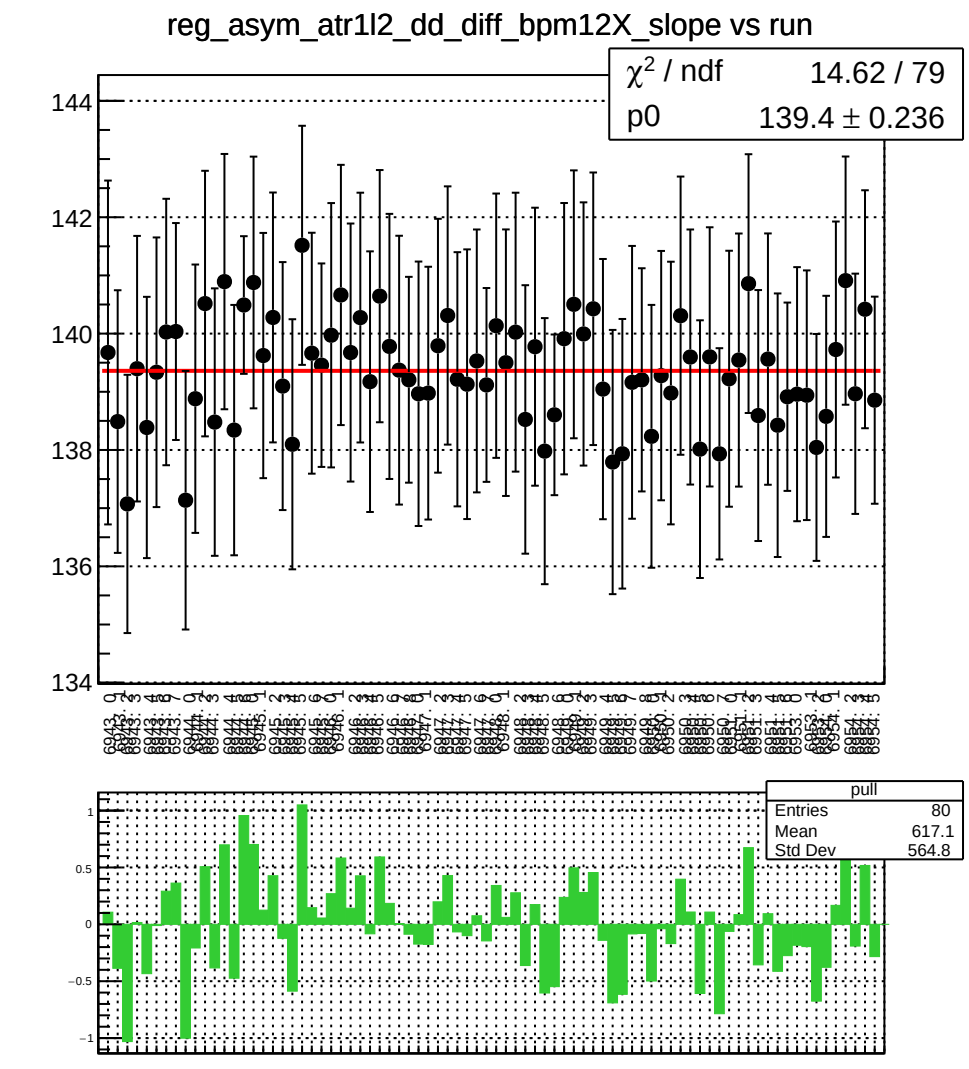

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.35 / 79
p0 −2.405 ± 5.158
pull
Entries 80
Mean 1788
Std Dev 1743

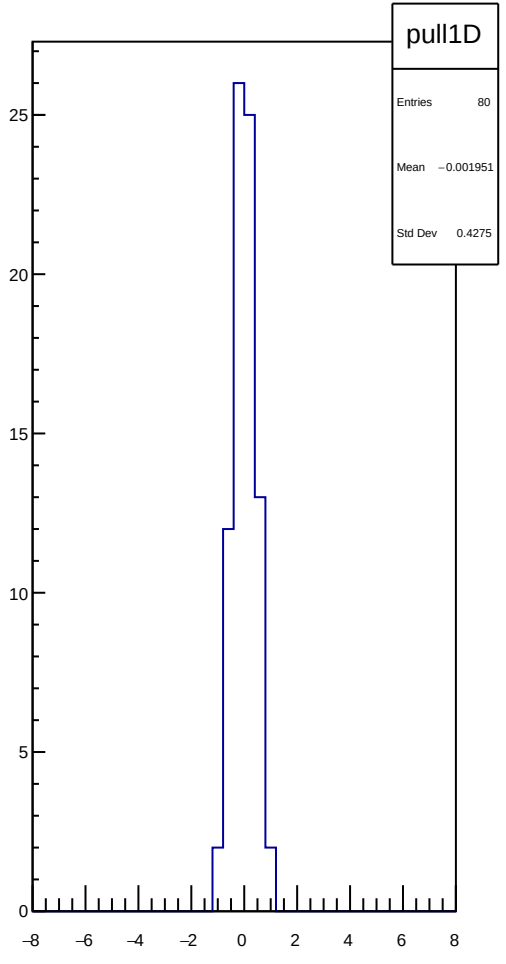

pull1D
Entries 80
Mean −0.001317
Std Dev 0.3597

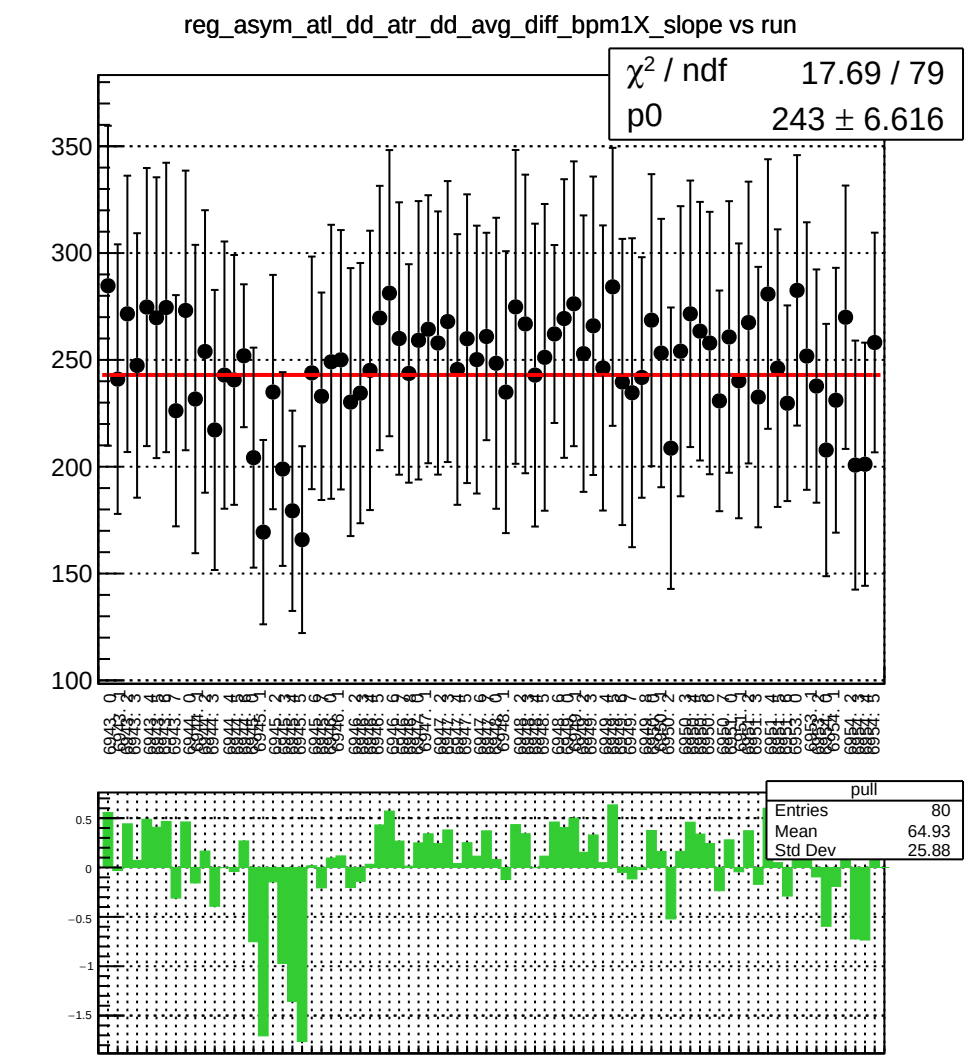

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.74 / 79
p0 −240.3 ± 6.81
−100
−150
−200
−250
−300
−350
−400
pull
Entries 80
Mean 71.52
Std Dev 24.69
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.03526
Std Dev 0.4827
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

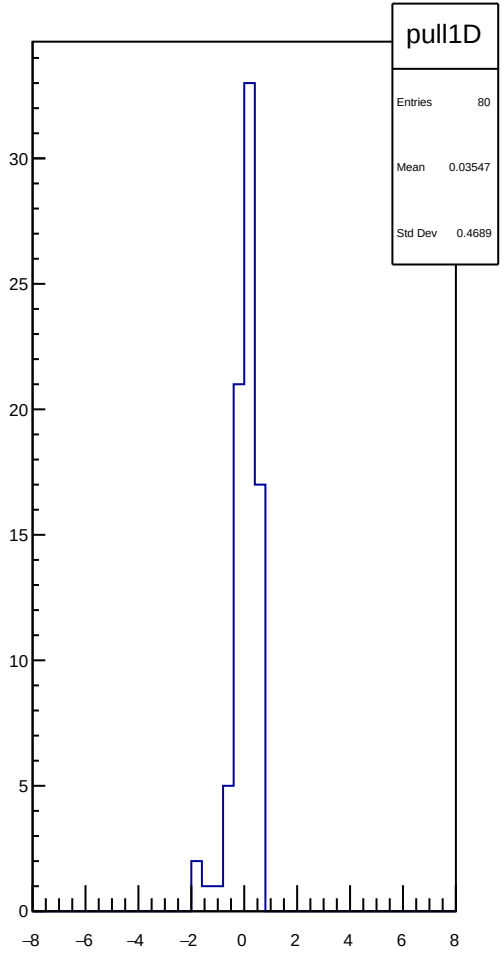

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.6 / 79
p0 −72.62 ± 5.938
pull
Entries 80
Mean 623.7
Std Dev 579.1

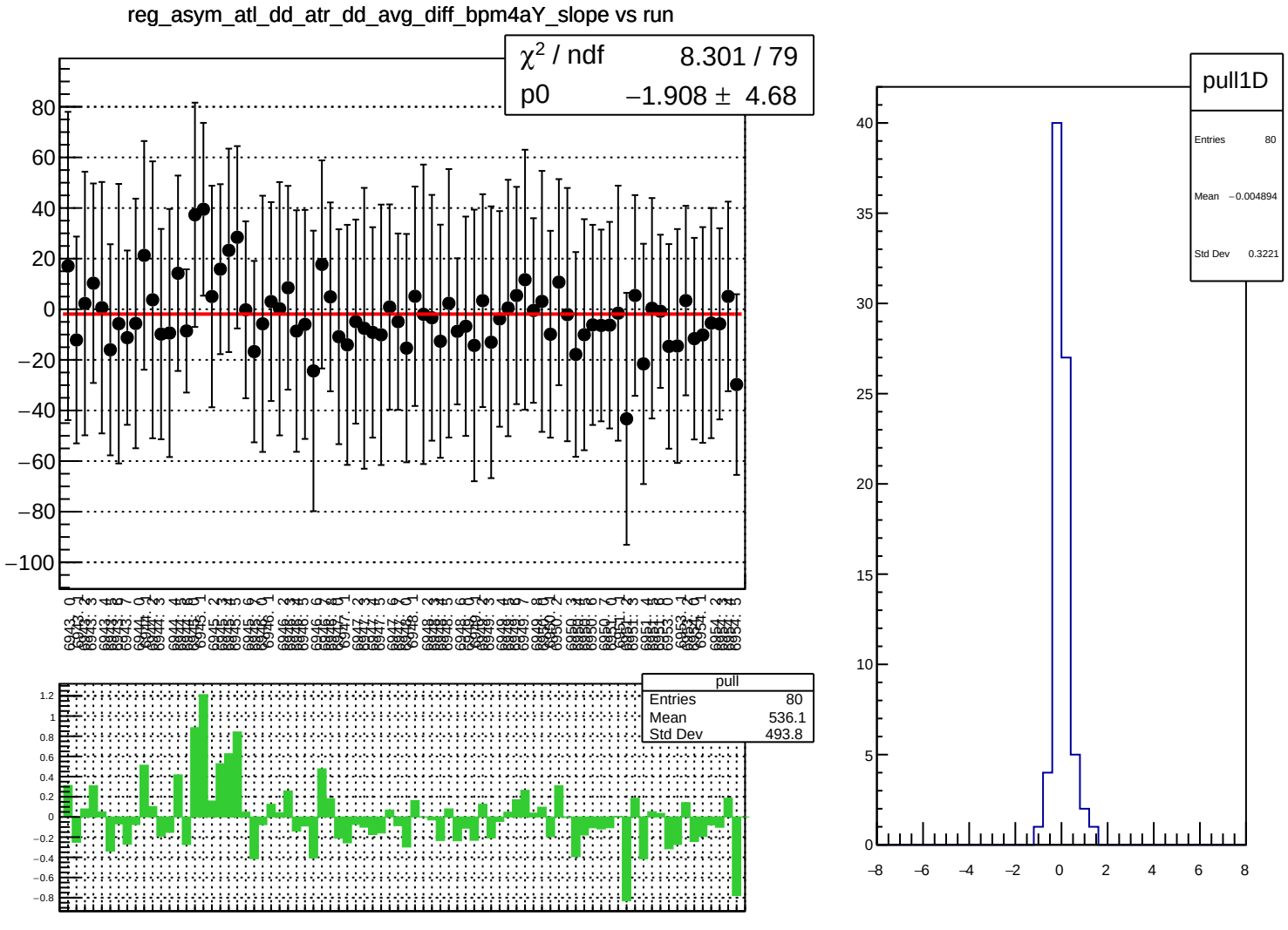

pull1D
Entries 80
Mean 0.004375
Std Dev 0.3808

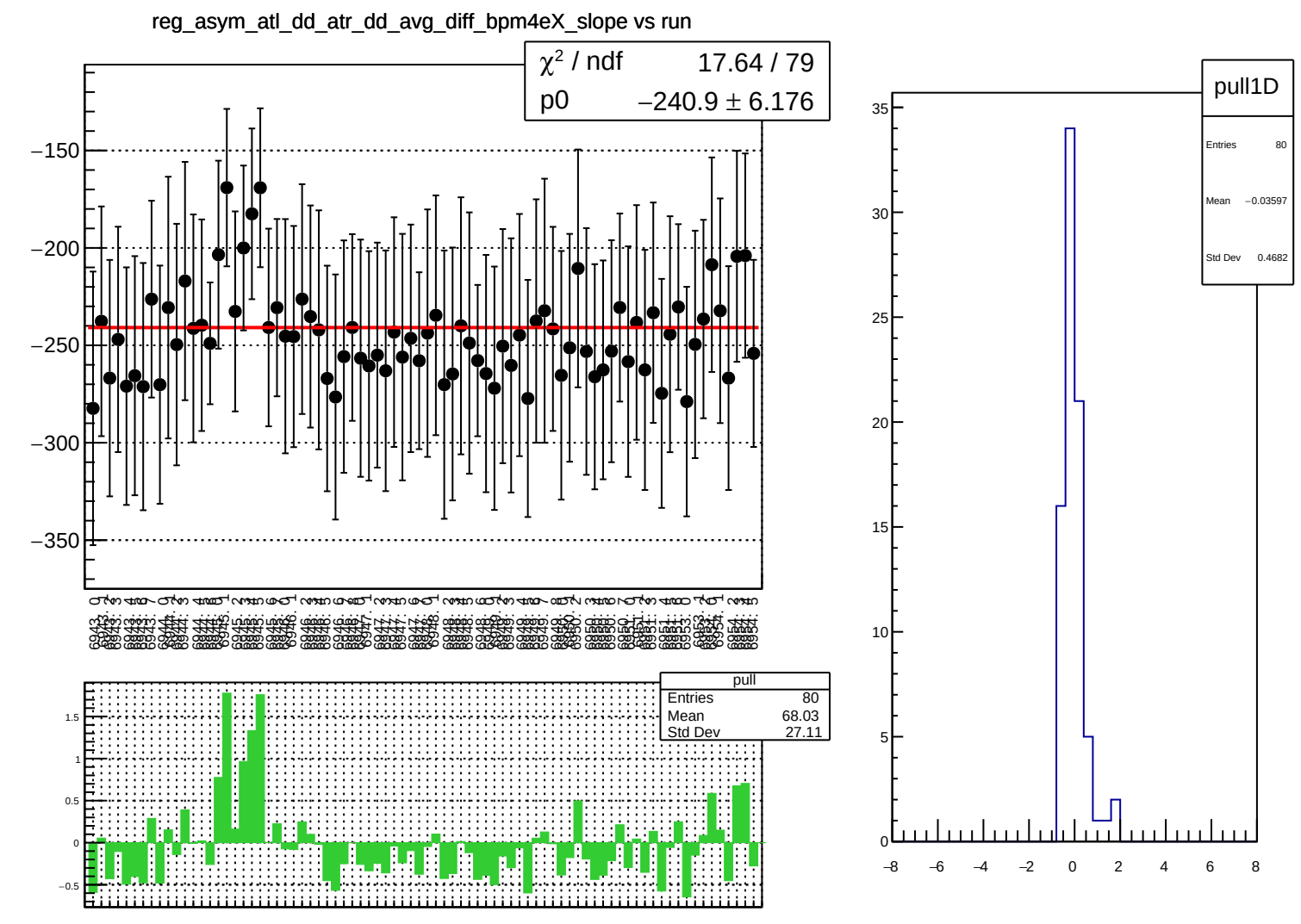

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.62 / 79
p0 139.4 ± 0.236
144
142
140
138
136
134
pull
Entries 80
Mean 617.1
Std Dev 564.8
1
0.5
0
−0.5
−1

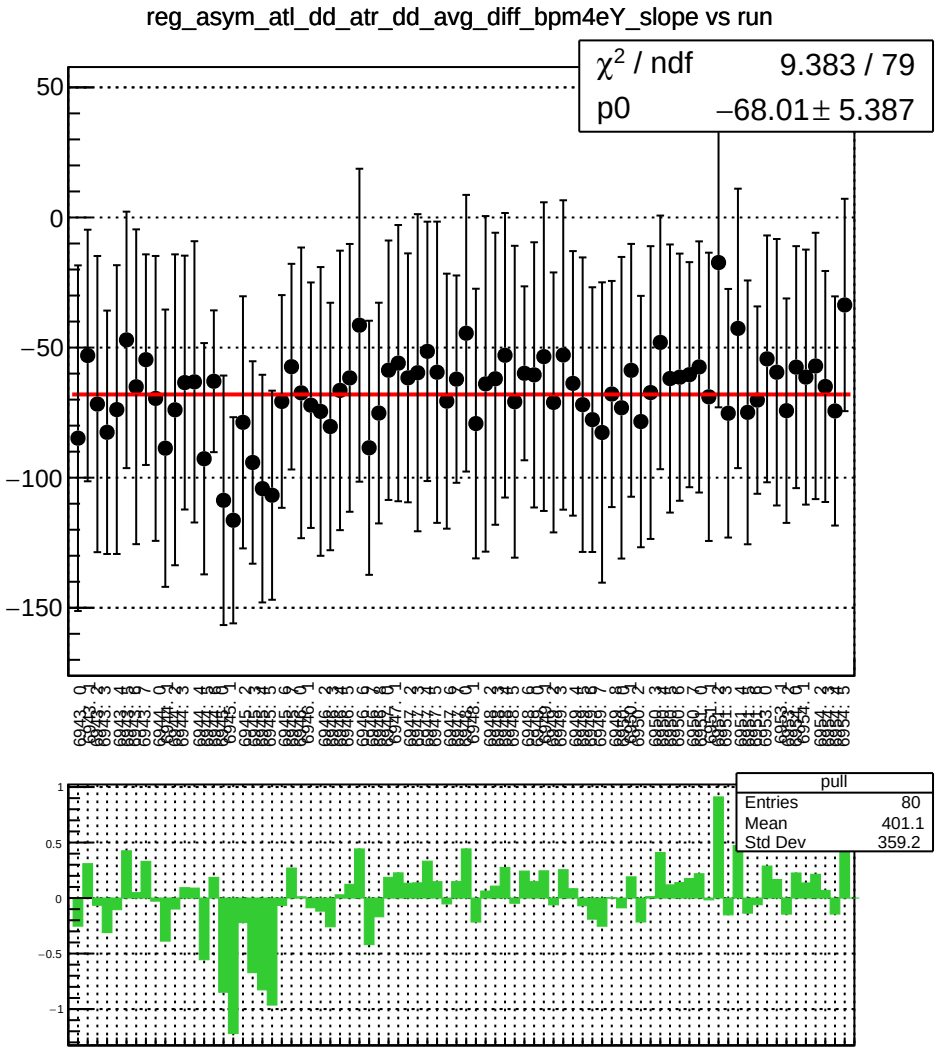

pull1D
Entries 80
Mean −0.001951
Std Dev 0.4275
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

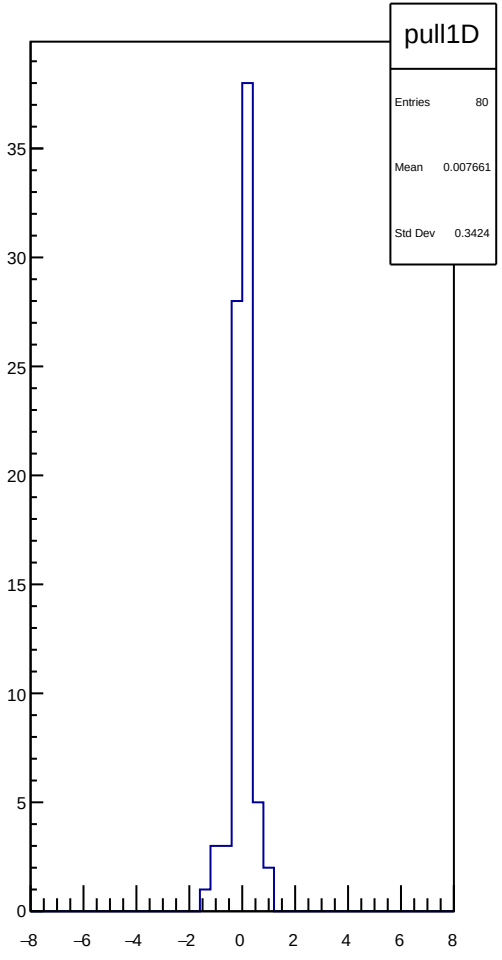

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 17.69 / 79
p0 243 ± 6.616
pull
Entries 80
Mean 64.93
Std Dev 25.88

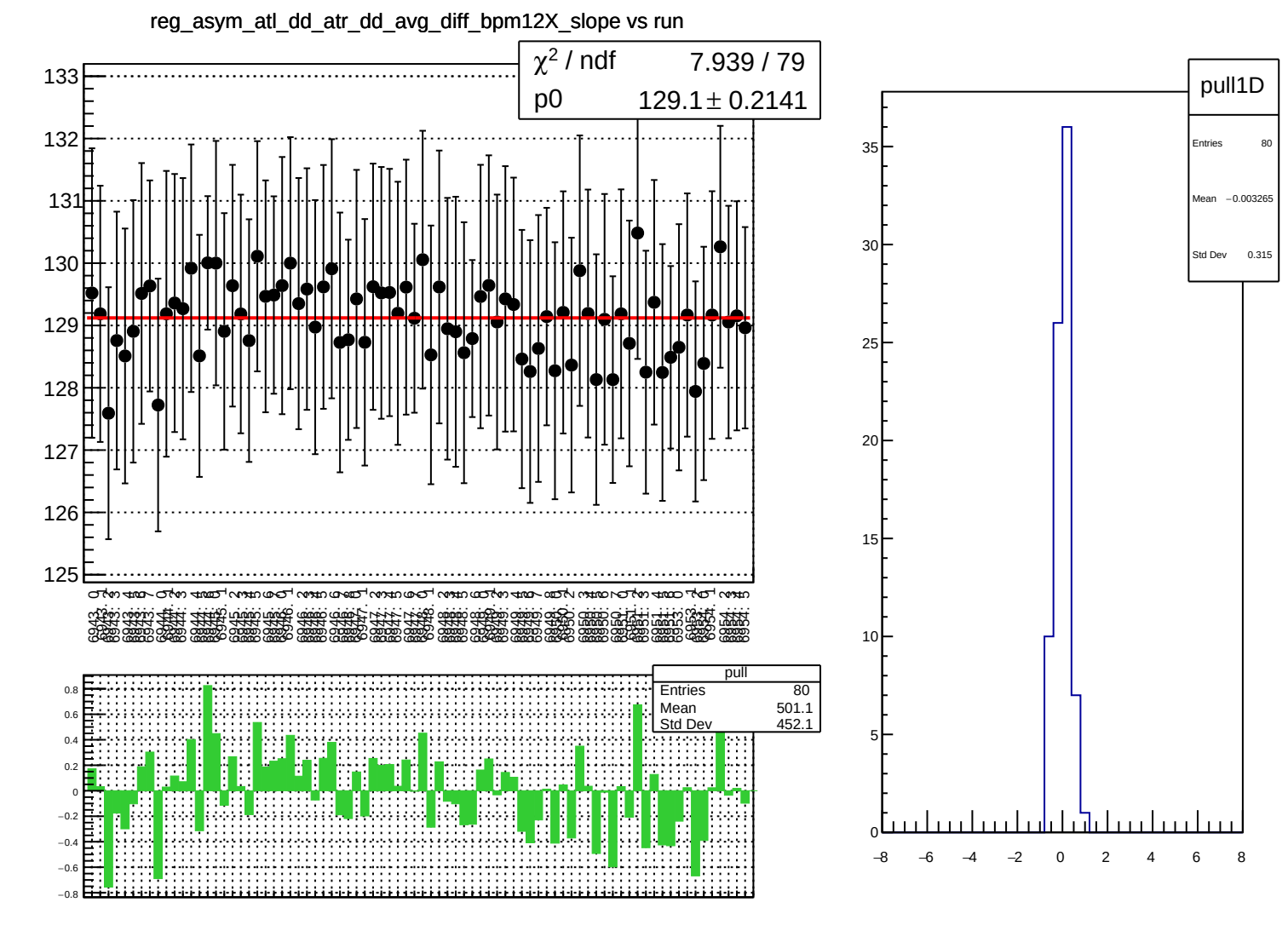

pull1D
Entries 80
Mean 0.03547
Std Dev 0.4689

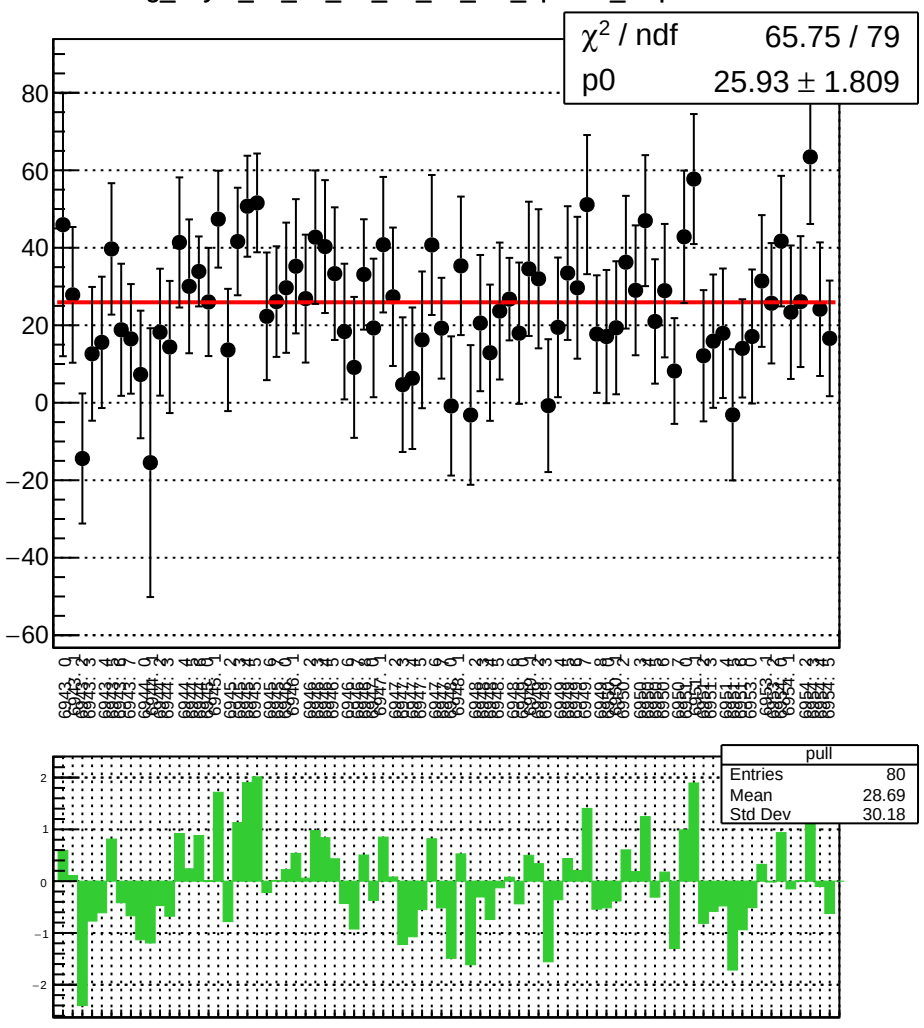

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.301 / 79
p0 −1.908 ± 4.68
pull
Entries 80
Mean 536.1
Std Dev 493.8
pull1D
Entries 80
Mean −0.004894
Std Dev 0.3221

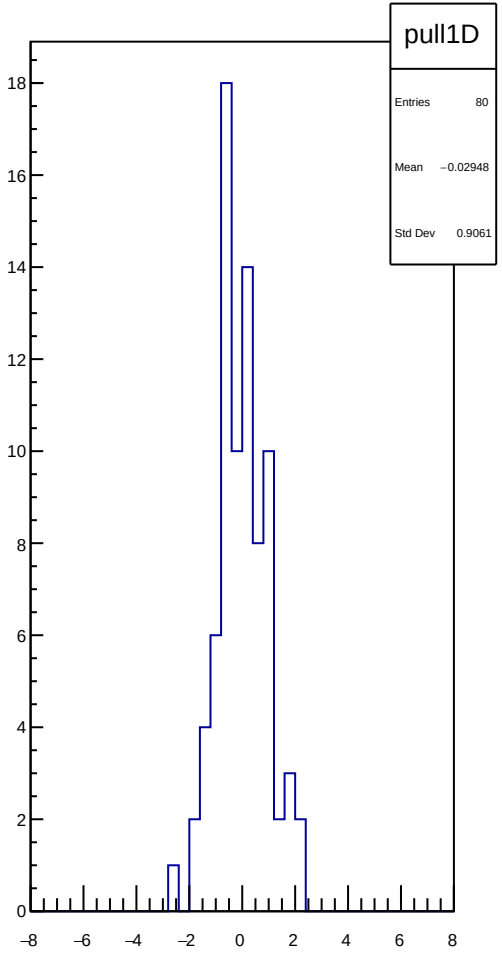

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.64 / 79
p0 −240.9 ± 6.176
−150
−200
−250
−300
−350
pull
Entries 80
Mean 68.03
Std Dev 27.11
1.5
1
0.5
0
−0.5
pull1D
Entries 80
Mean −0.03597
Std Dev 0.4682
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

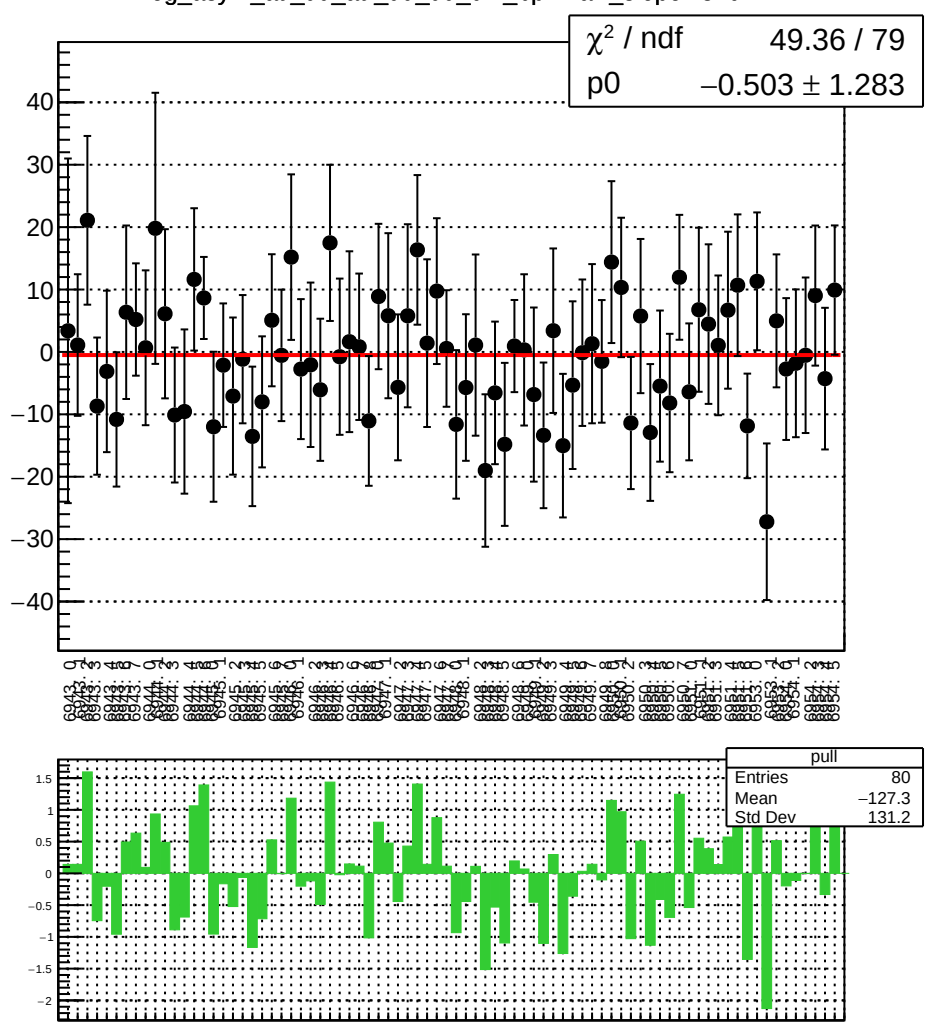

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.383 / 79
p0 −68.01 ± 5.387
pull
Entries 80
Mean 401.1
Std Dev 359.2

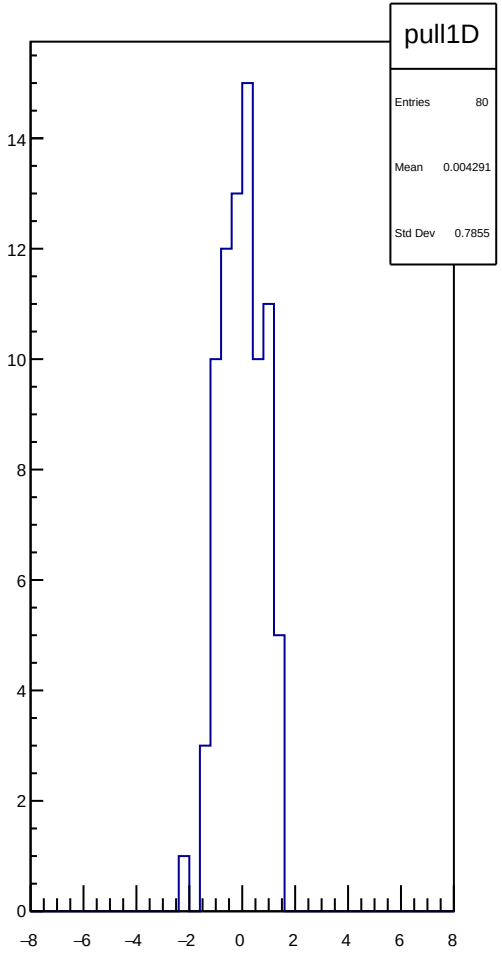

pull1D
Entries 80
Mean 0.007661
Std Dev 0.3424

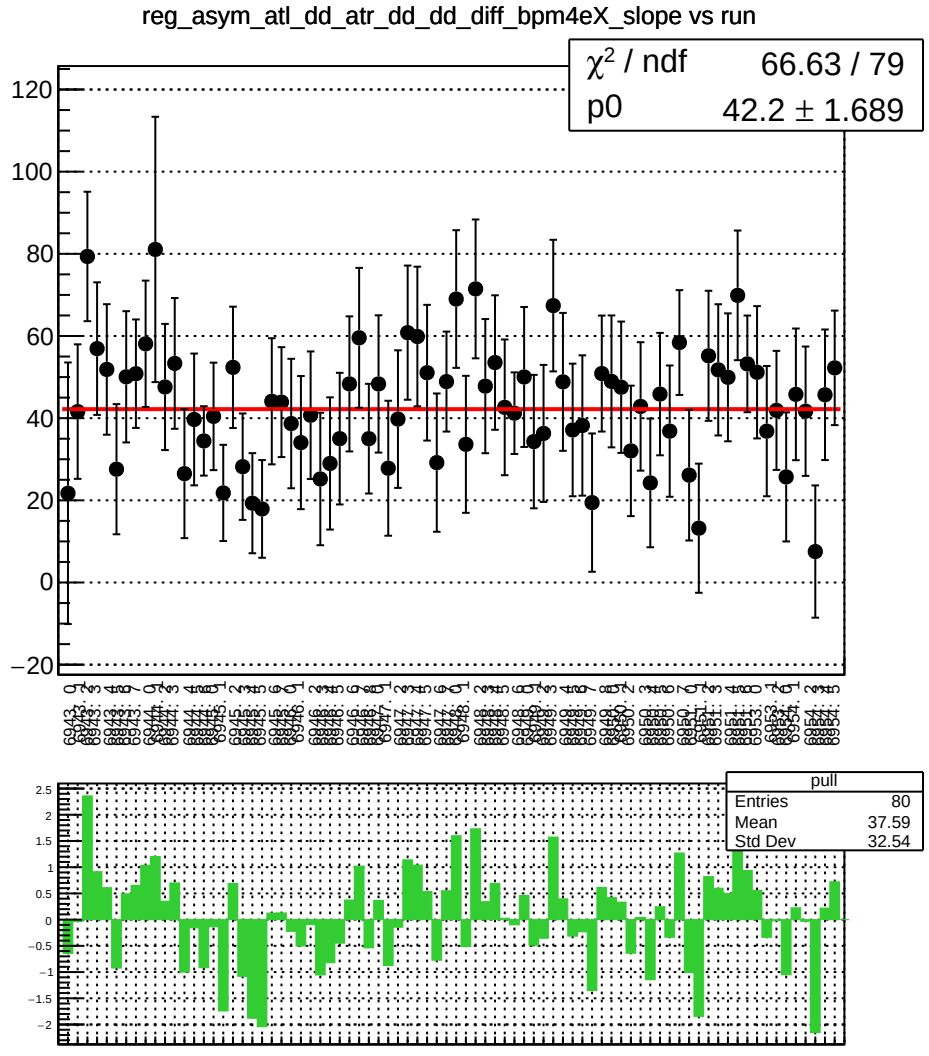

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 7.939 / 79
p0 129.1 ± 0.2141
pull
Entries 80
Mean 501.1
Std Dev 452.1
pull1D
Entries 80
Mean −0.003265
Std Dev 0.315

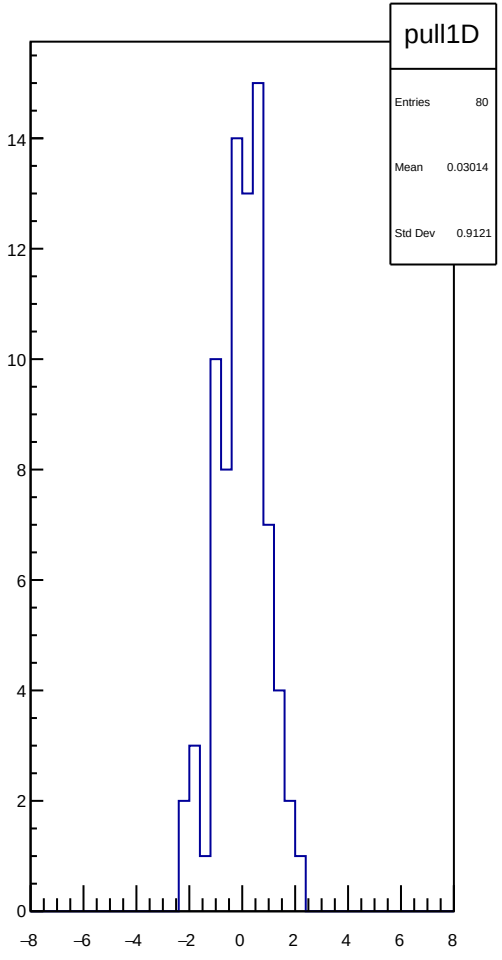

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 65.75 / 79
p0 25.93 ± 1.809
pull
Entries 80
Mean 28.69
Std Dev 30.18

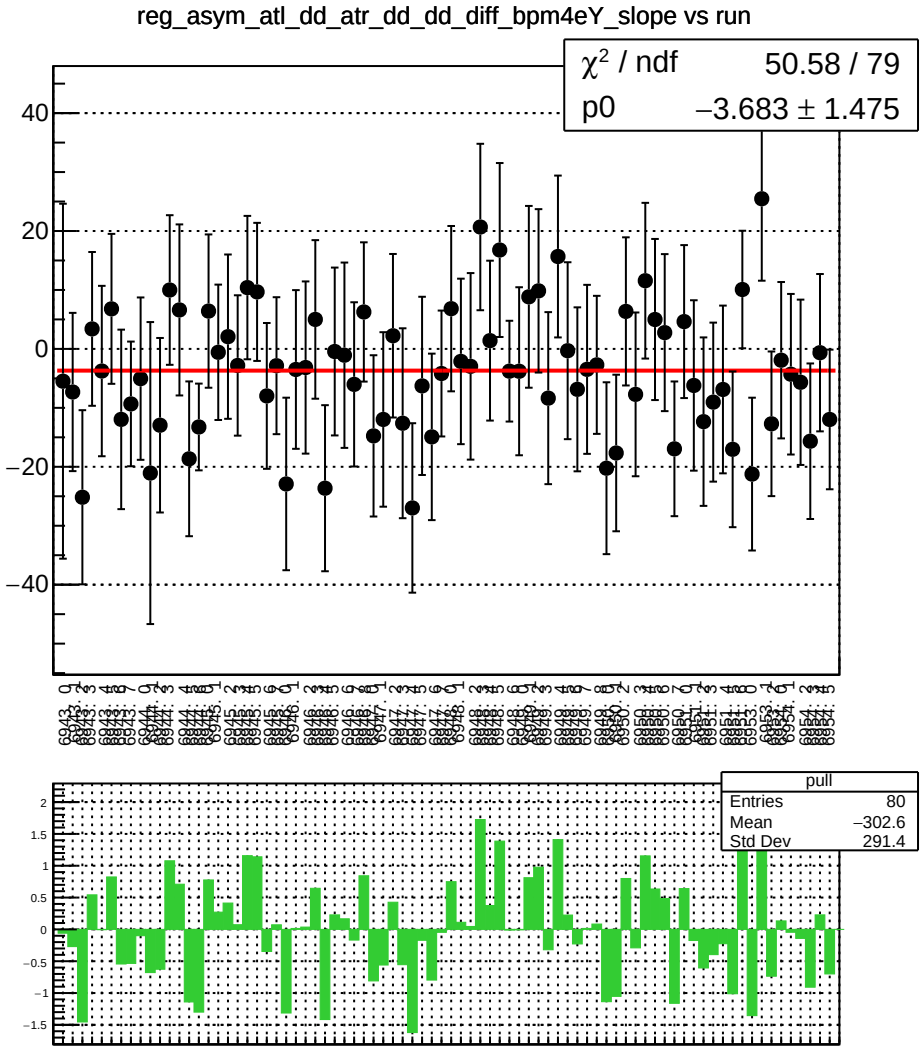

pull1D
Entries 80
Mean −0.02948
Std Dev 0.9061

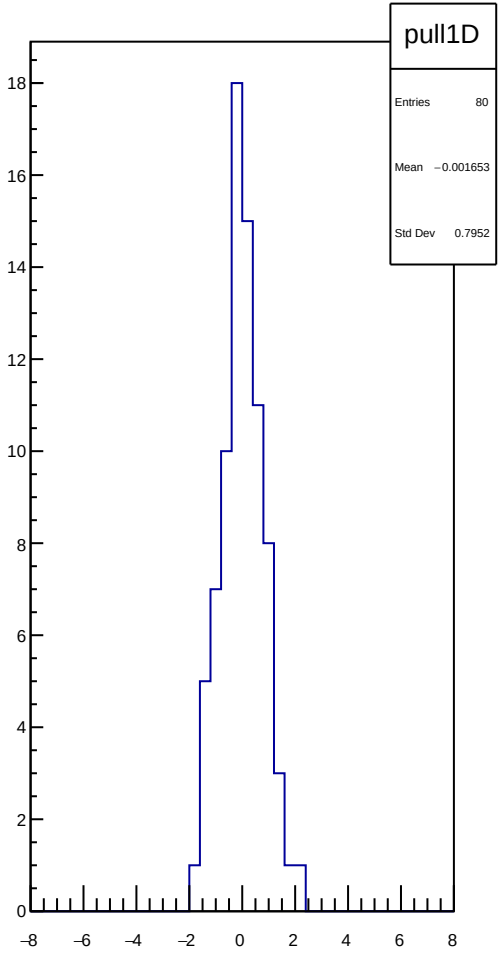

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.36 / 79
p0 −0.503 ± 1.283
pull
Entries 80
Mean −127.3
Std Dev 131.2

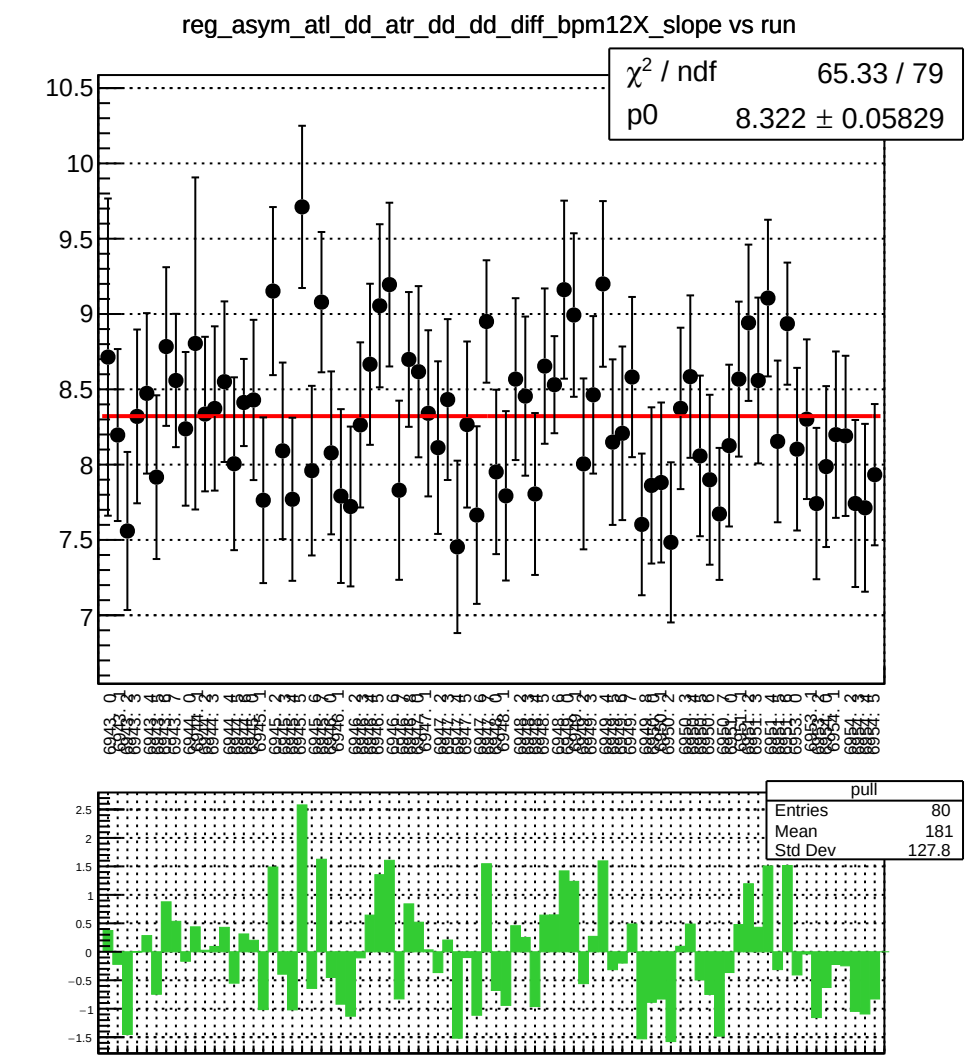

pull1D
Entries 80
Mean 0.004291
Std Dev 0.7855

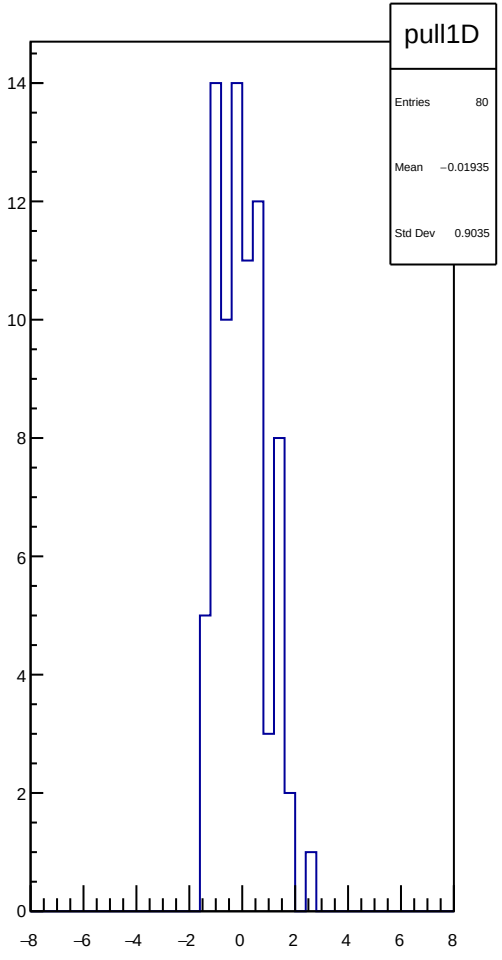

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.63 / 79
p0 42.2 ± 1.689
pull
Entries 80
Mean 37.59
Std Dev 32.54

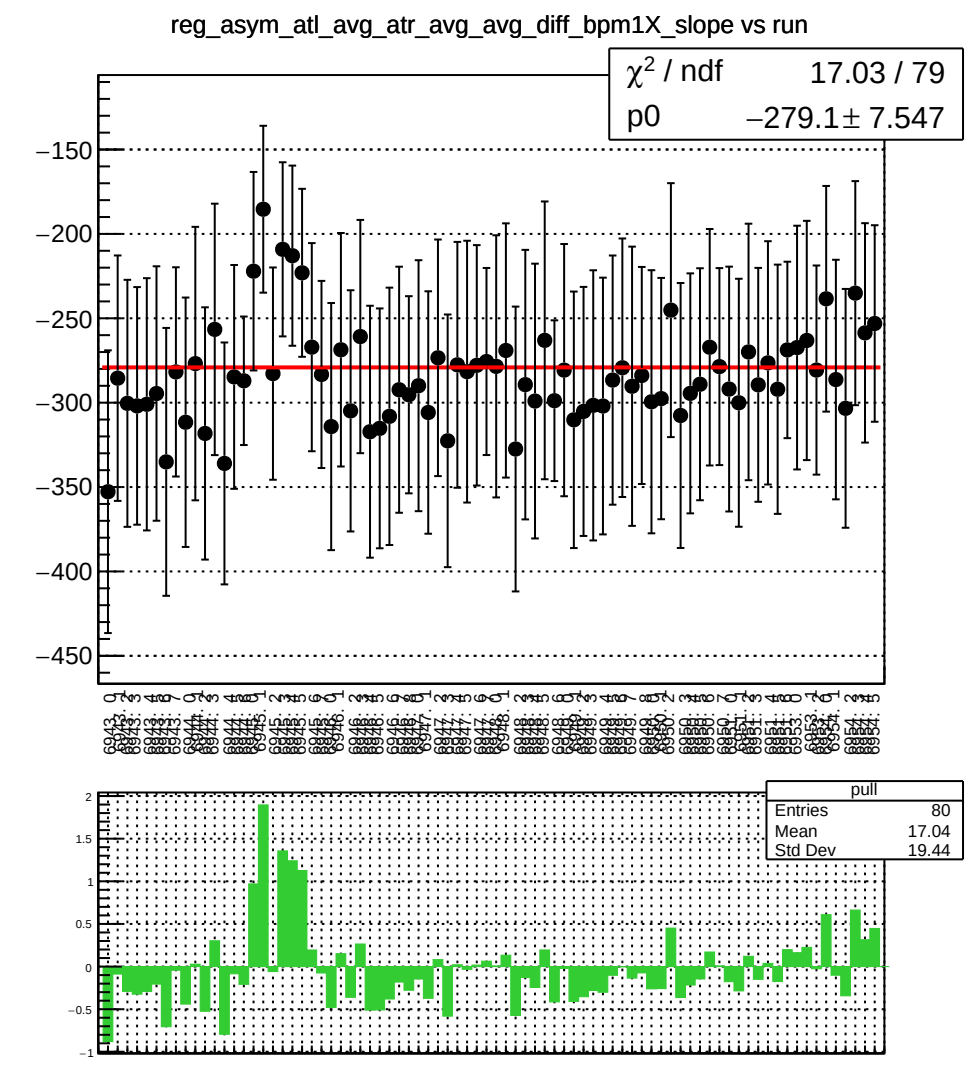

pull1D
Entries 80
Mean 0.03014
Std Dev 0.9121

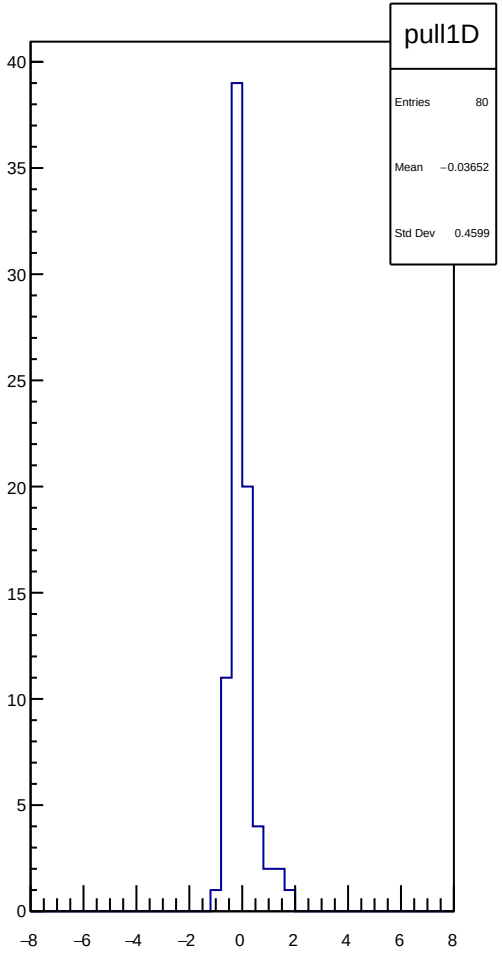

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.58 / 79
p0 −3.683 ± 1.475
pull
Entries 80
Mean −302.6
Std Dev 291.4

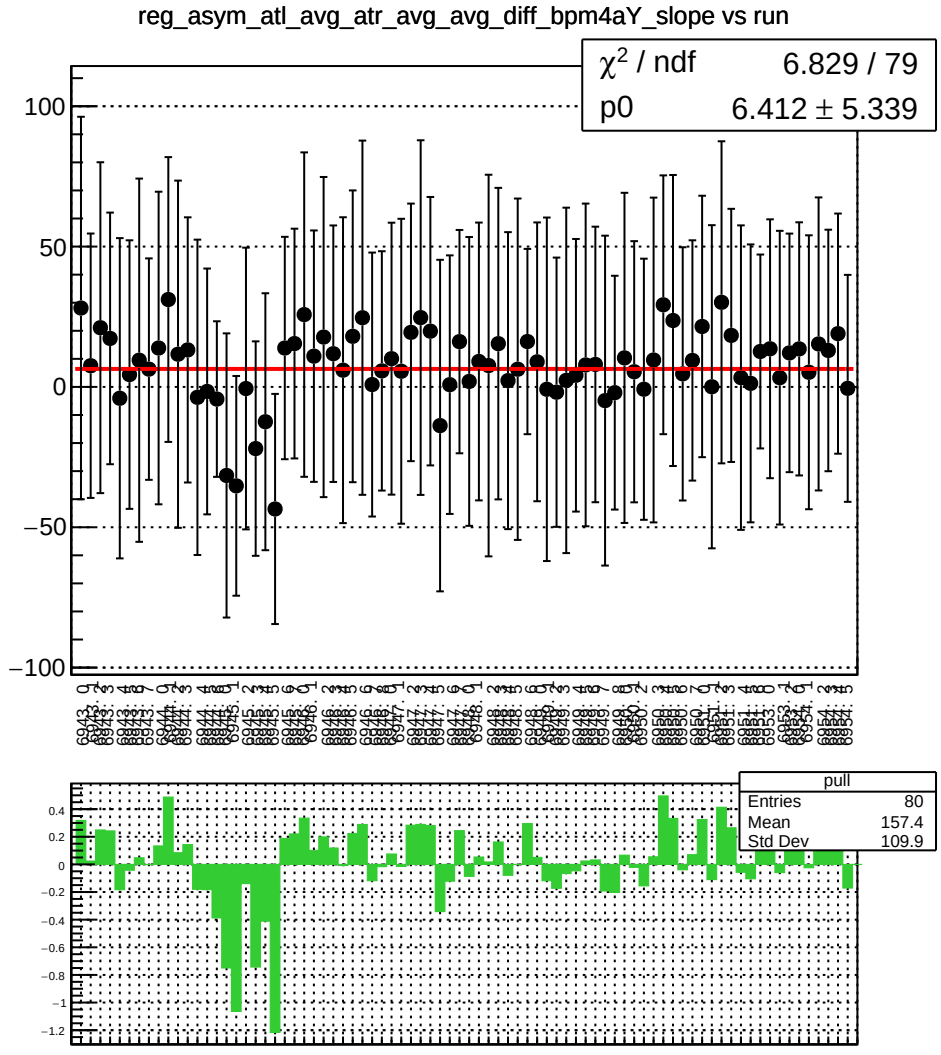

pull1D
Entries 80
Mean −0.001653
Std Dev 0.7952

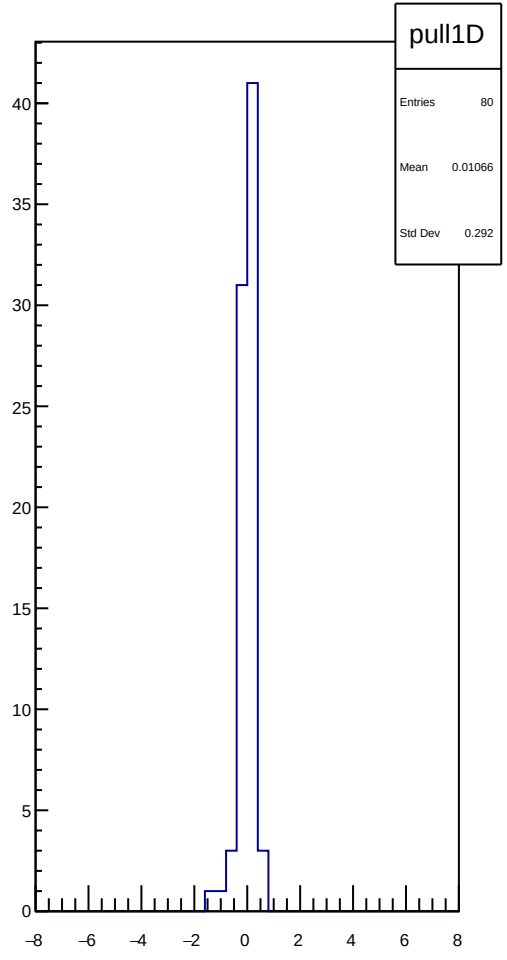

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 65.33 / 79
p0 8.322 ± 0.05829
pull
Entries 80
Mean 181
Std Dev 127.8

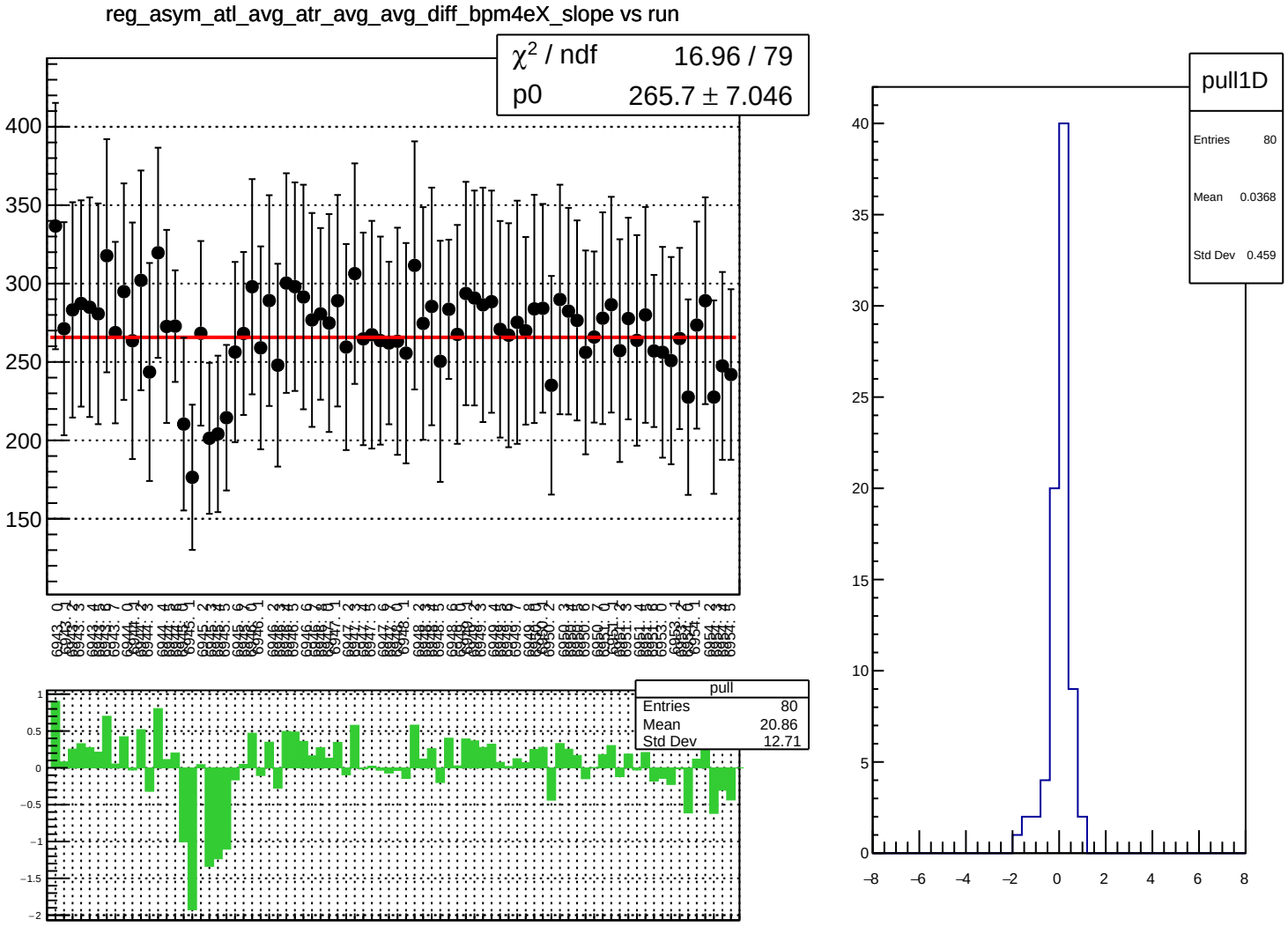

pull1D
Entries 80
Mean −0.01935
Std Dev 0.9035

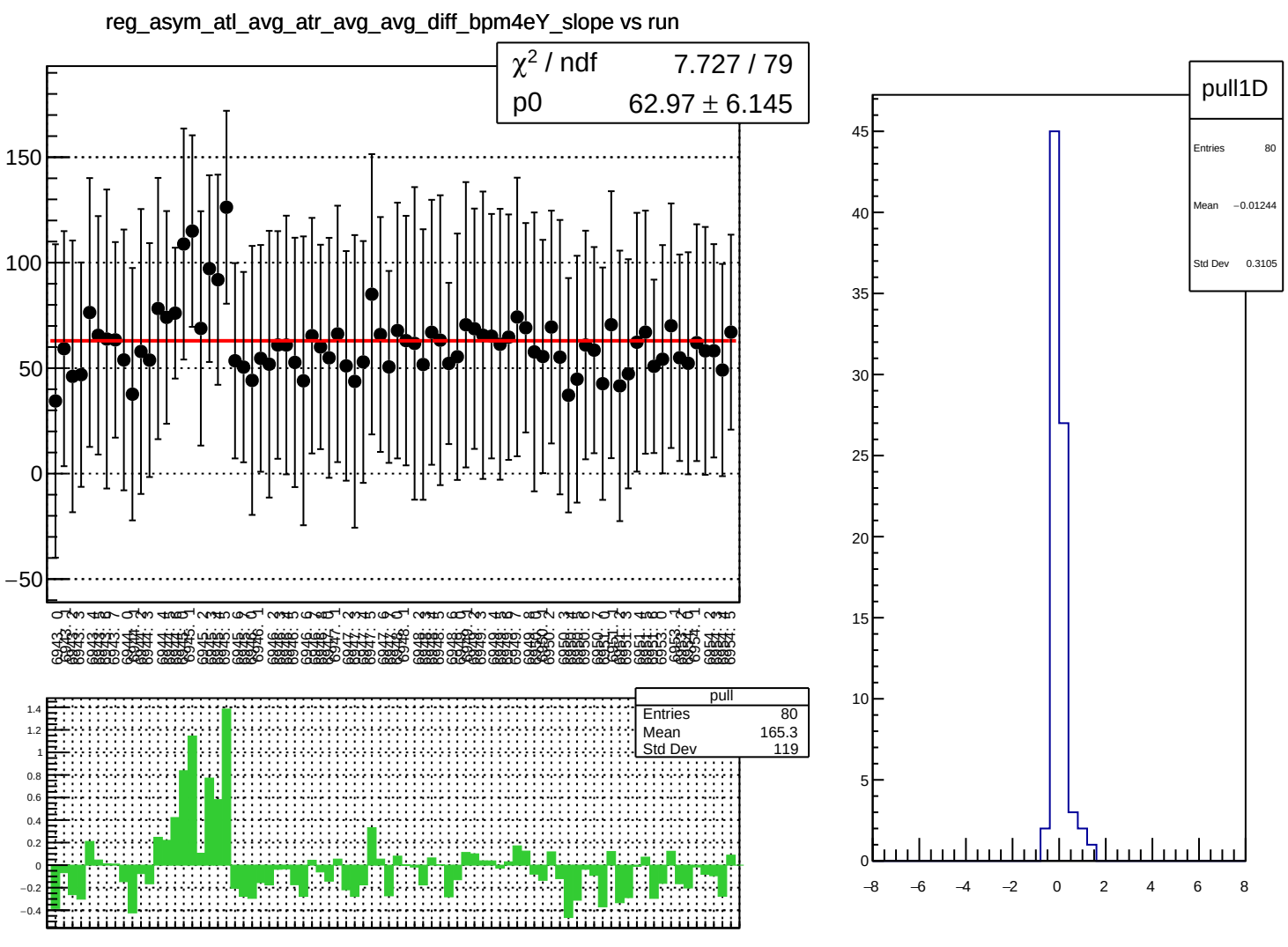

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 17.03 / 79
p0 −279.1± 7.547
pull
Entries 80
Mean 17.04
Std Dev 19.44

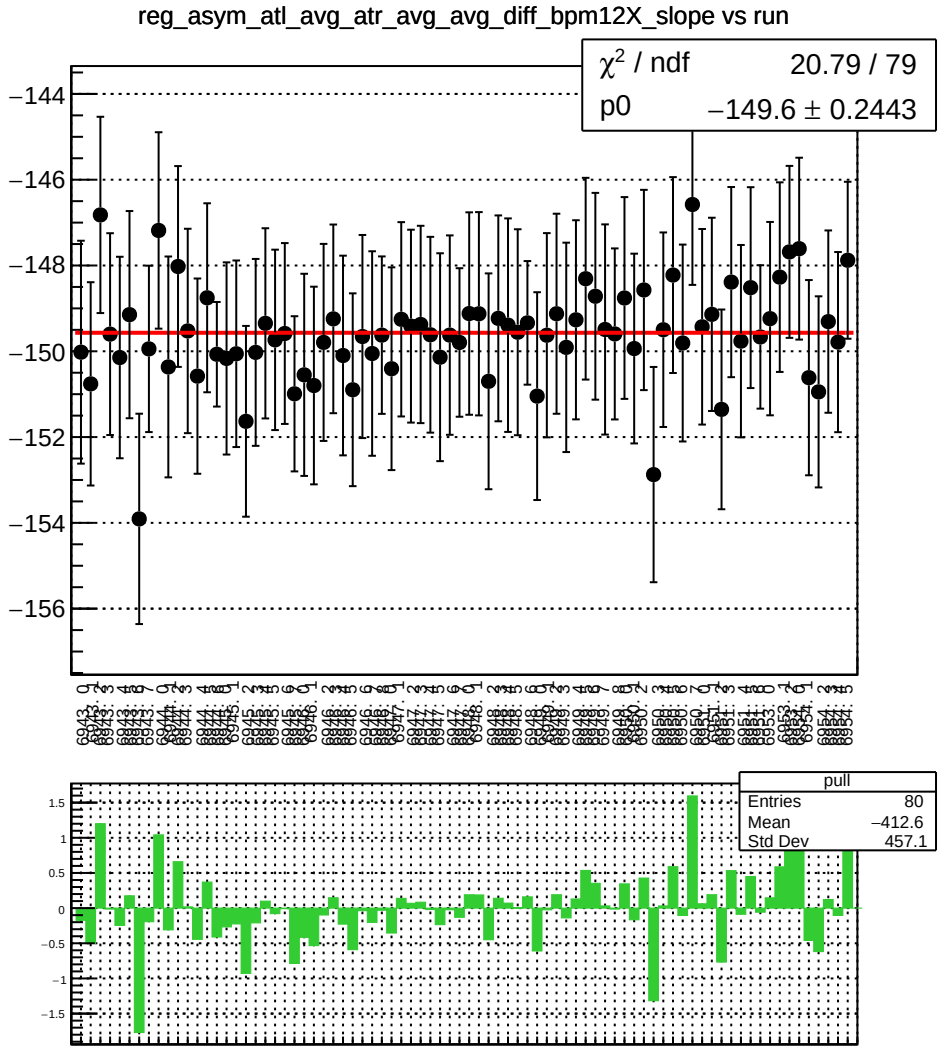

pull1D
Entries 80
Mean −0.03652
Std Dev 0.4599

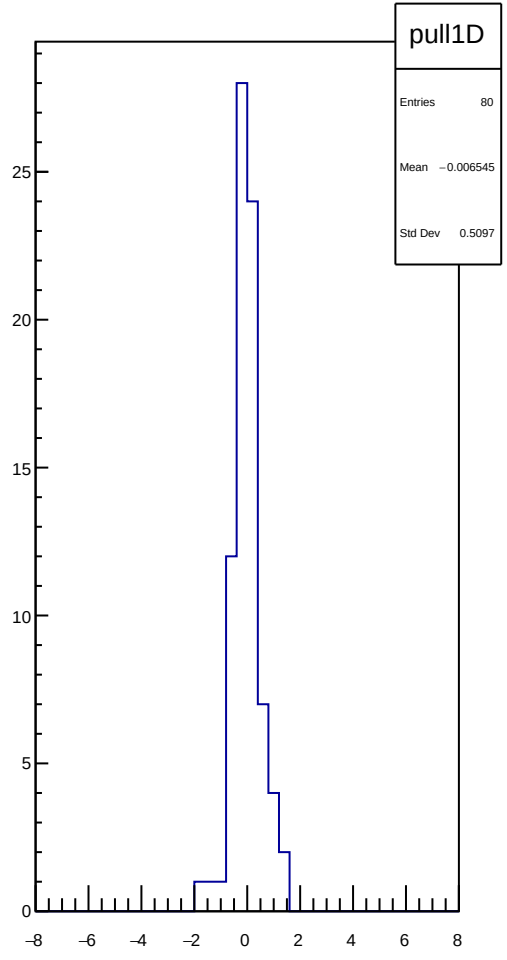

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.829 / 79
p0 6.412 ± 5.339
pull
Entries 80
Mean 157.4
Std Dev 109.9

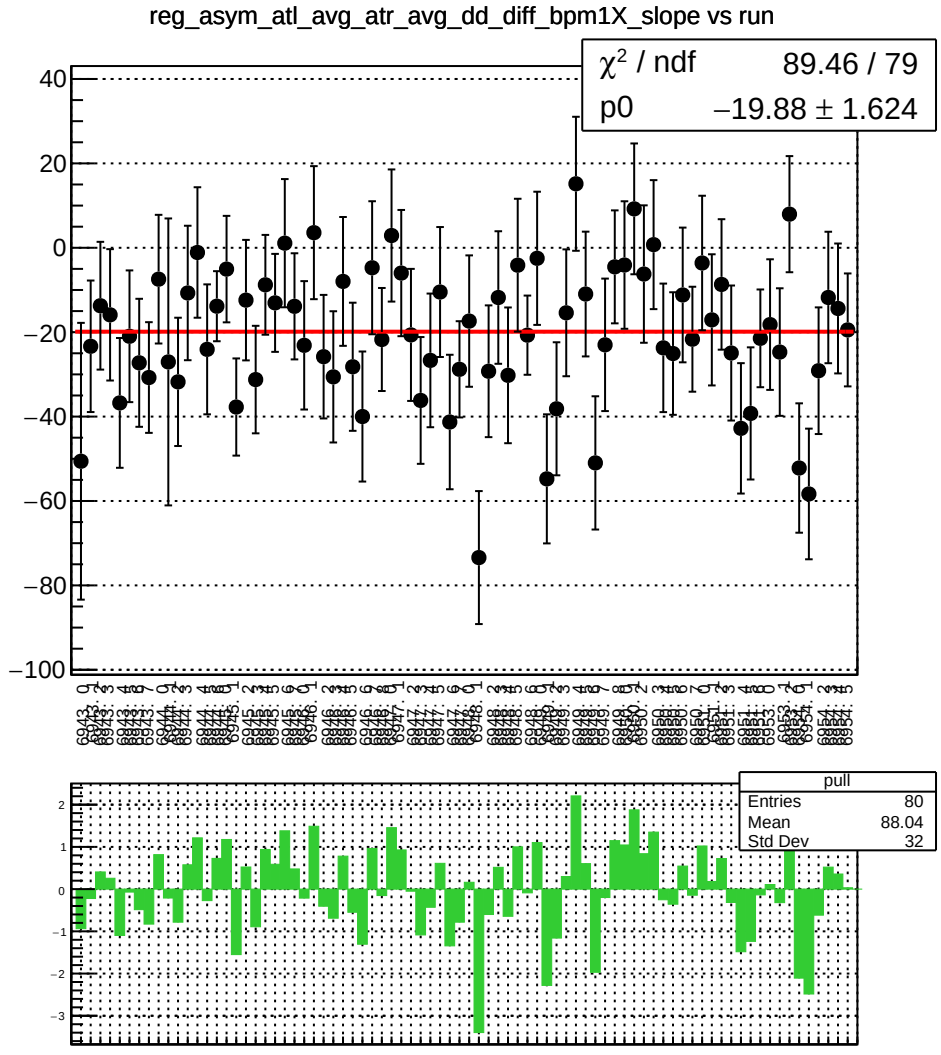

pull1D
Entries 80
Mean 0.01066
Std Dev 0.292

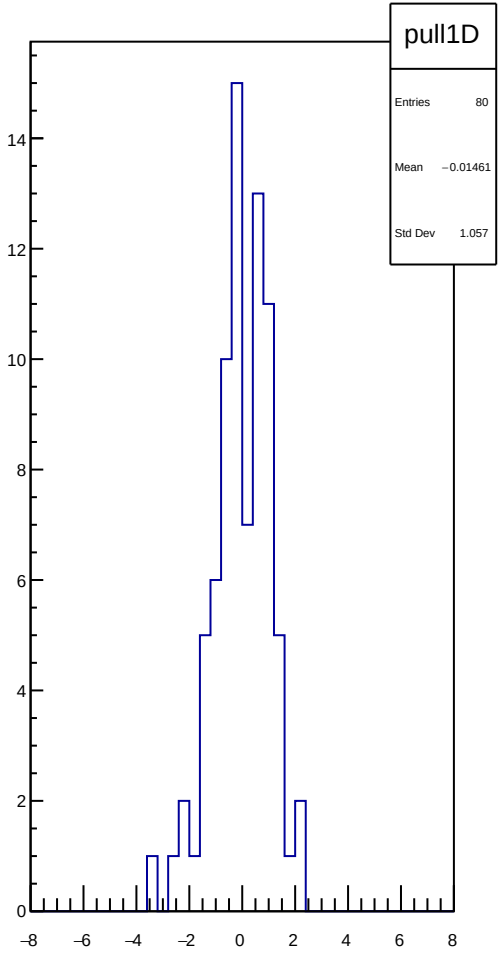

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.96 / 79
p0 265.7 ± 7.046
pull
Entries 80
Mean 20.86
Std Dev 12.71
pull1D
Entries 80
Mean 0.0368
Std Dev 0.459

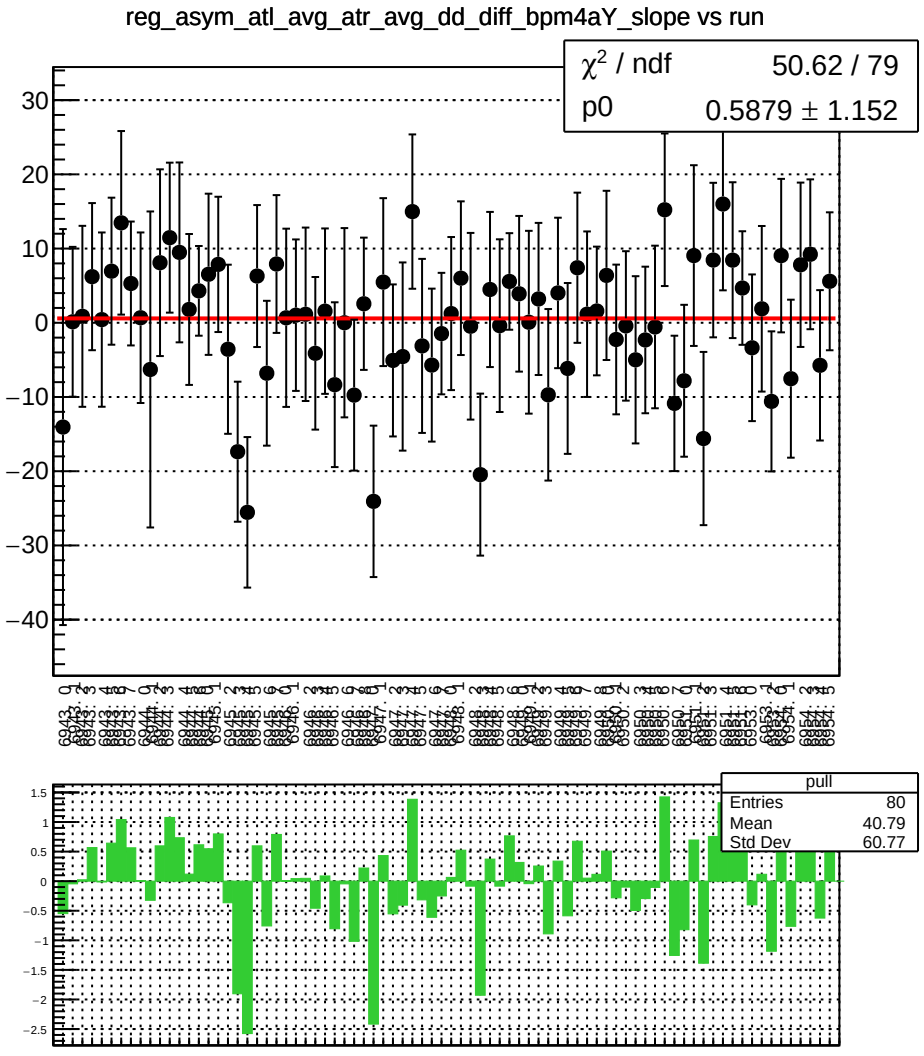

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.727 / 79
p0 62.97 ± 6.145
150
100
50
0
−50
pull
Entries 80
Mean 165.3
Std Dev 119
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 80
Mean −0.01244
Std Dev 0.3105
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

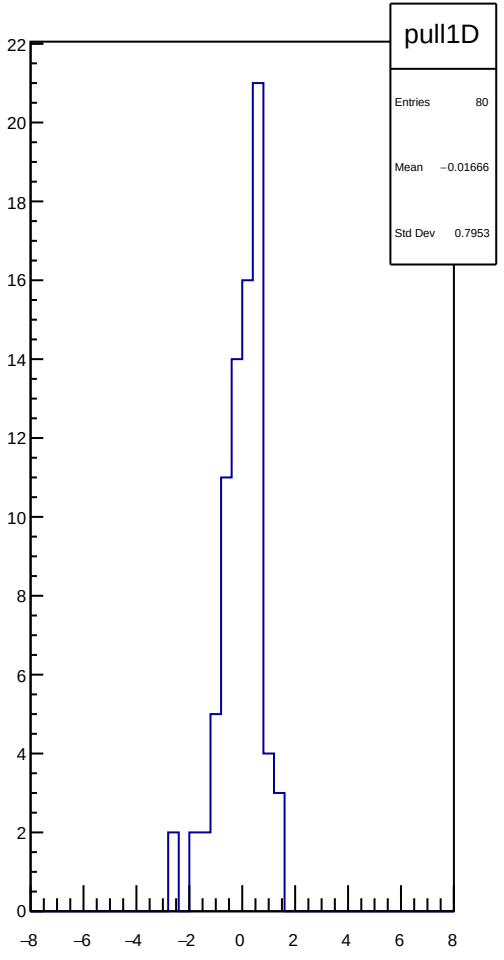

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 20.79 / 79
p0 −149.6 ± 0.2443
pull
Entries 80
Mean −412.6
Std Dev 457.1

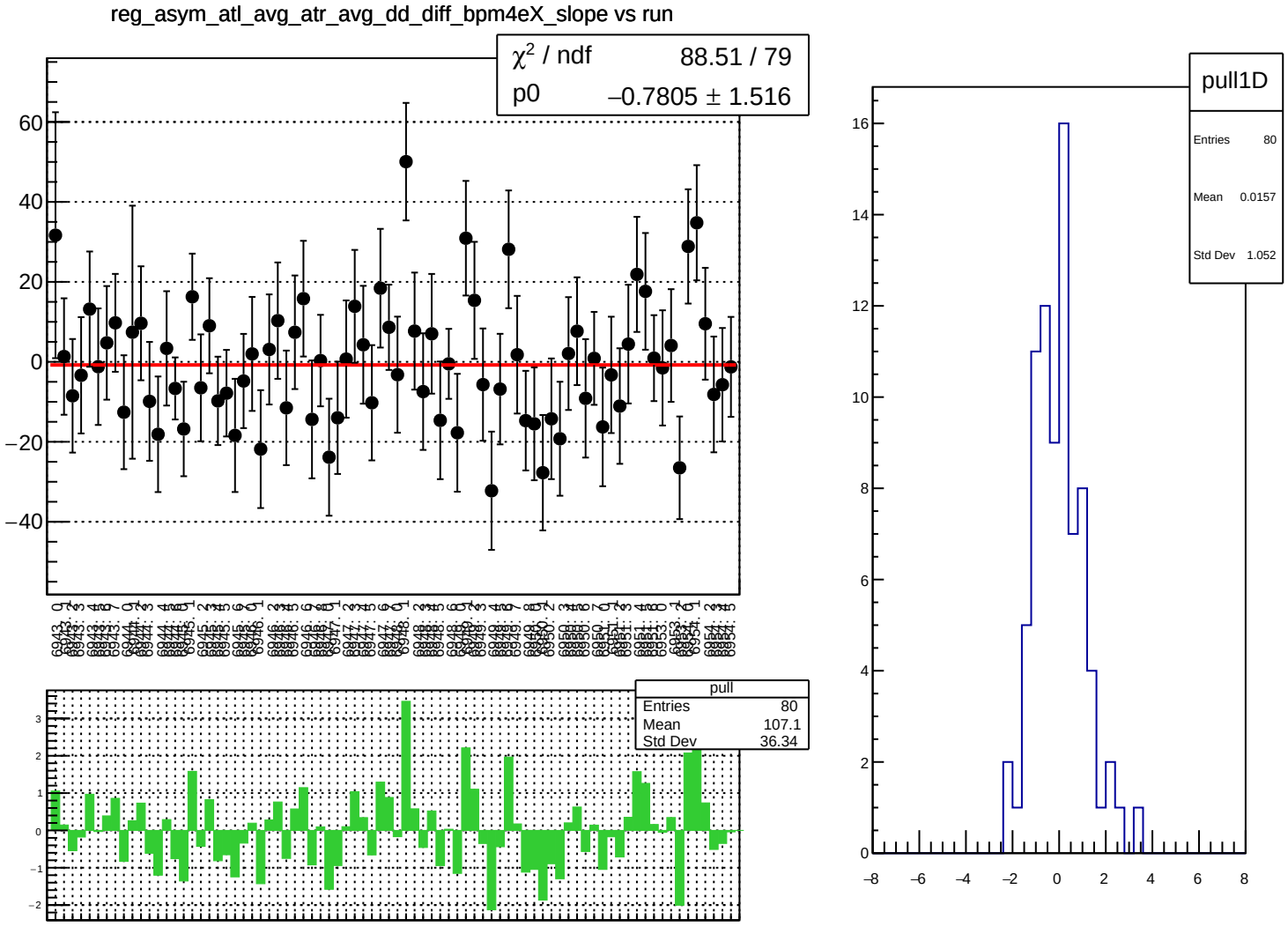

pull1D
Entries 80
Mean −0.006545
Std Dev 0.5097

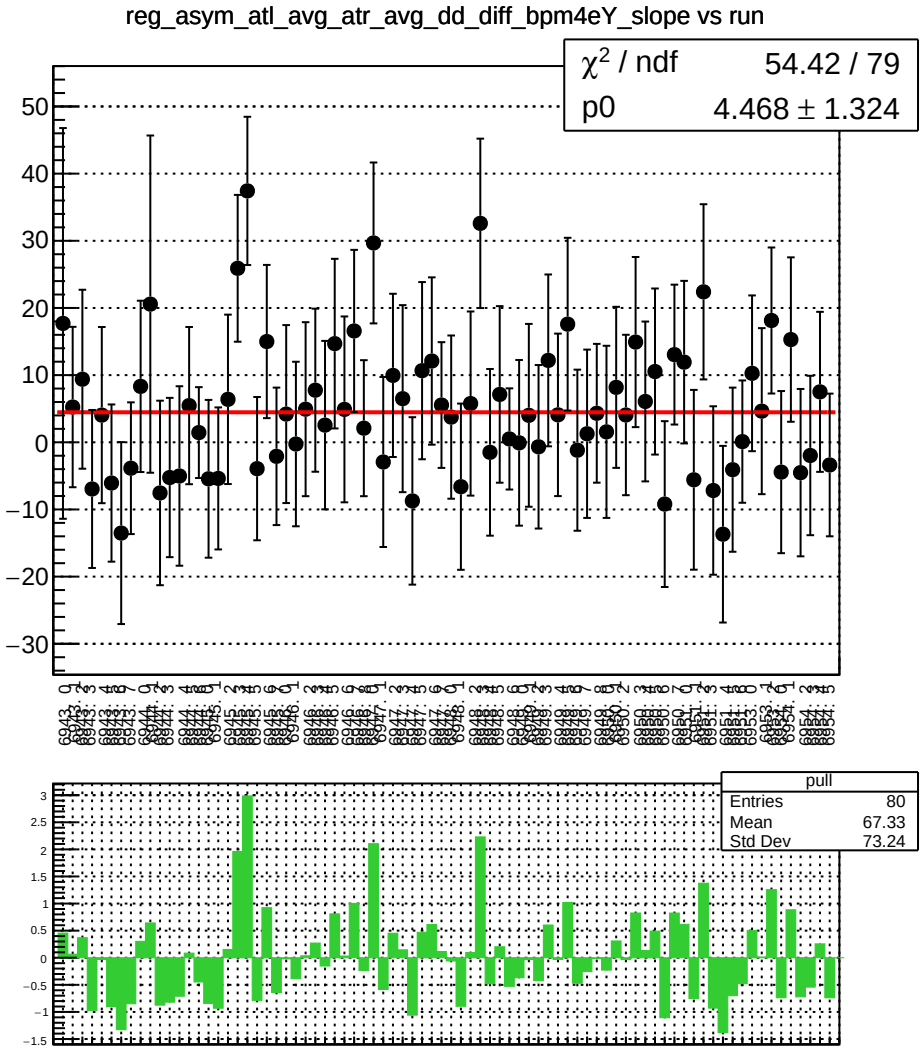

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 89.46 / 79
p0 −19.88 ± 1.624
pull
Entries 80
Mean 88.04
Std Dev 32

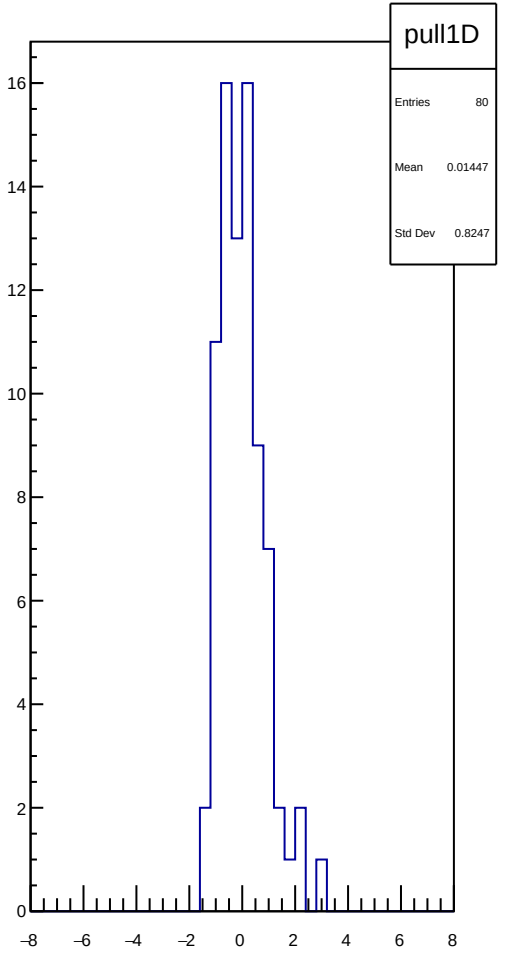

pull1D
Entries 80
Mean −0.01461
Std Dev 1.057

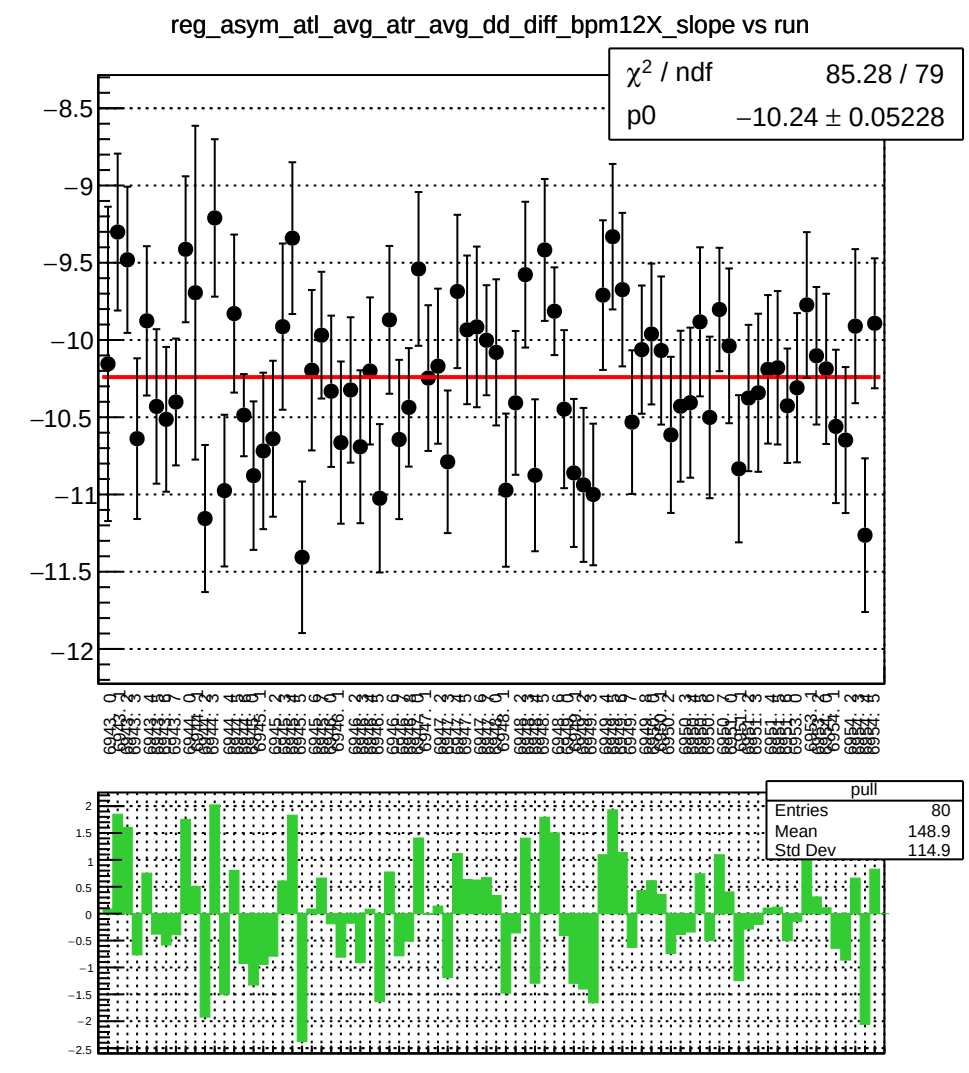

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.62 / 79
p0 0.5879 ± 1.152
pull
Entries 80
Mean 40.79
Std Dev 60.77

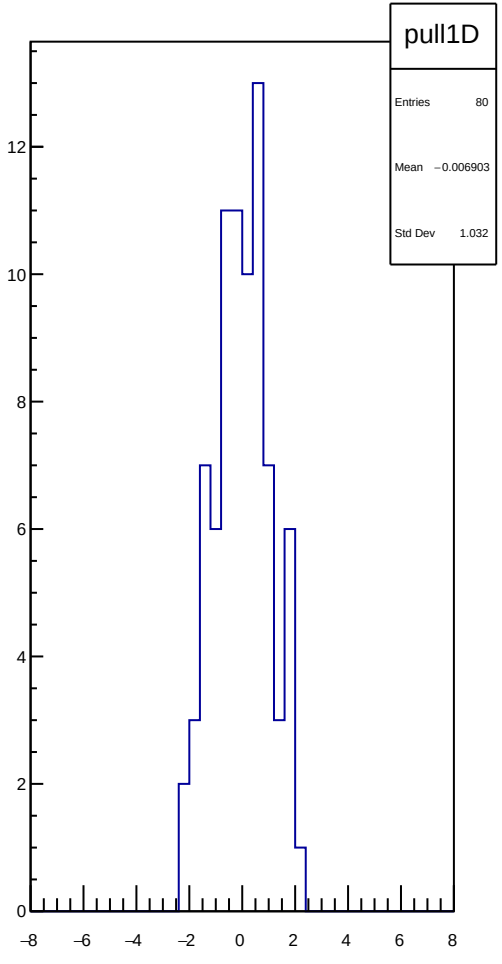

pull1D
Entries 80
Mean −0.01666
Std Dev 0.7953

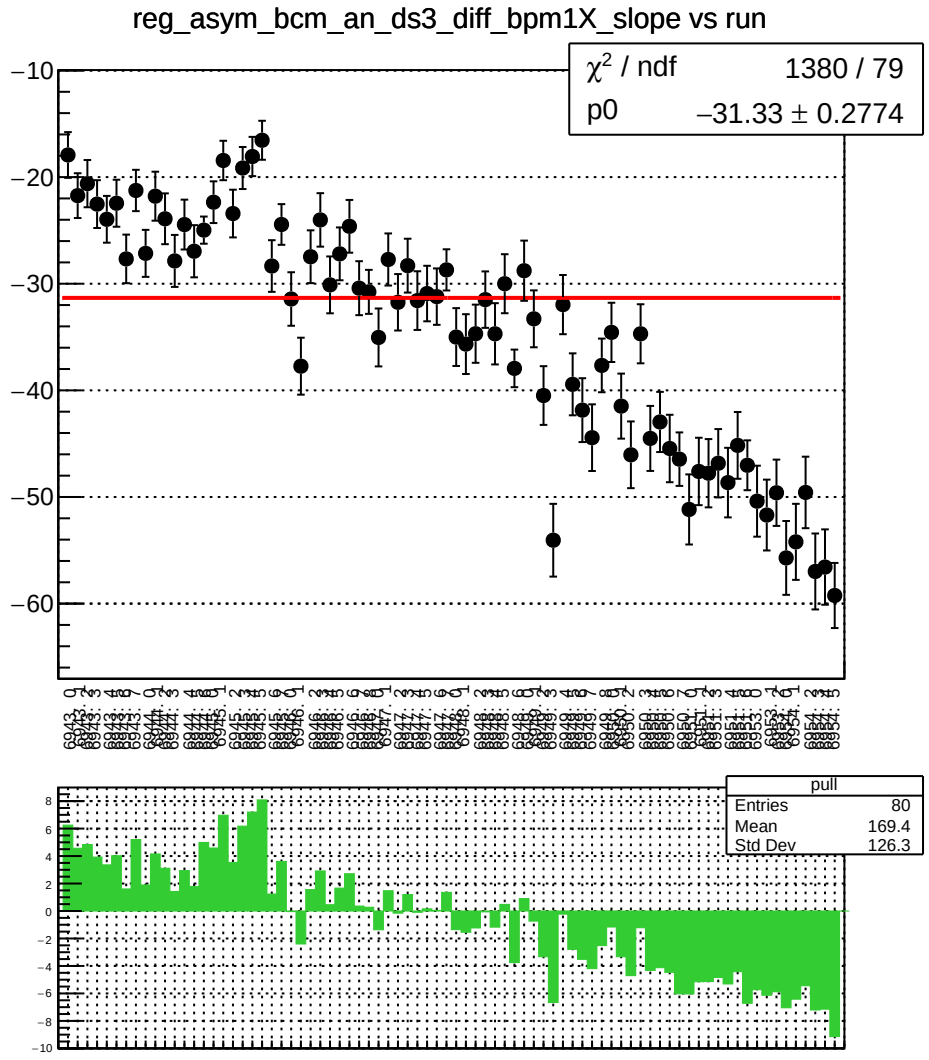

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.51 / 79
p0 −0.7805 ± 1.516
pull
Entries 80
Mean 107.1
Std Dev 36.34
pull1D
Entries 80
Mean 0.0157
Std Dev 1.052

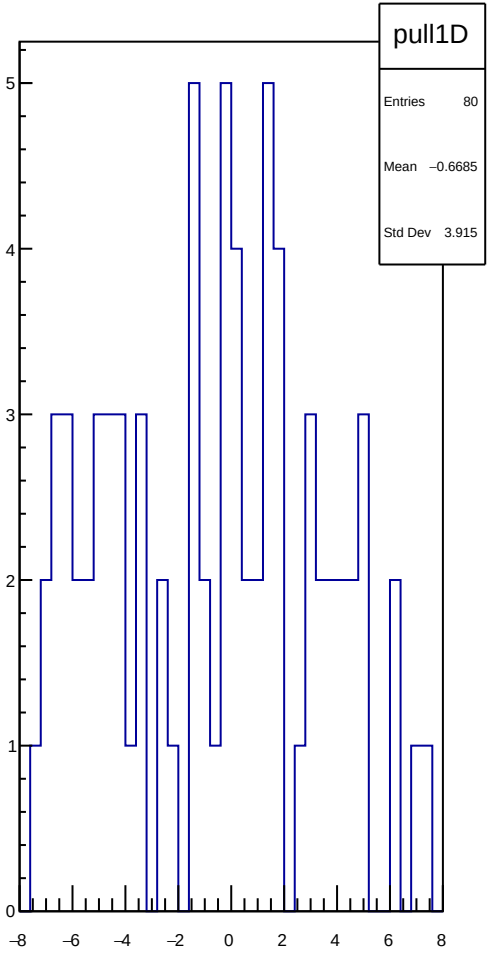

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.42 / 79
p0 4.468 ± 1.324
pull
Entries 80
Mean 67.33
Std Dev 73.24

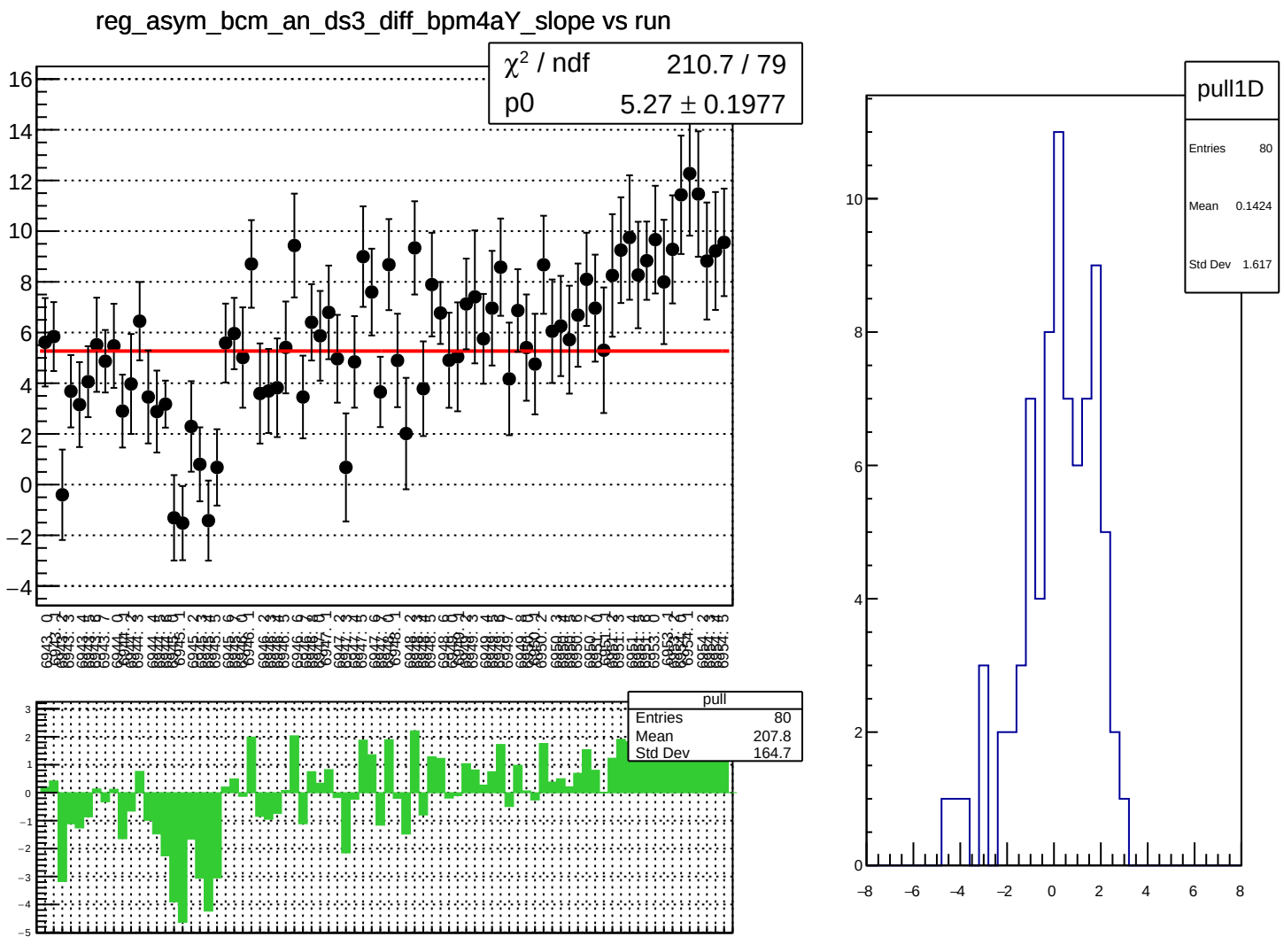

pull1D
Entries 80
Mean 0.01447
Std Dev 0.8247

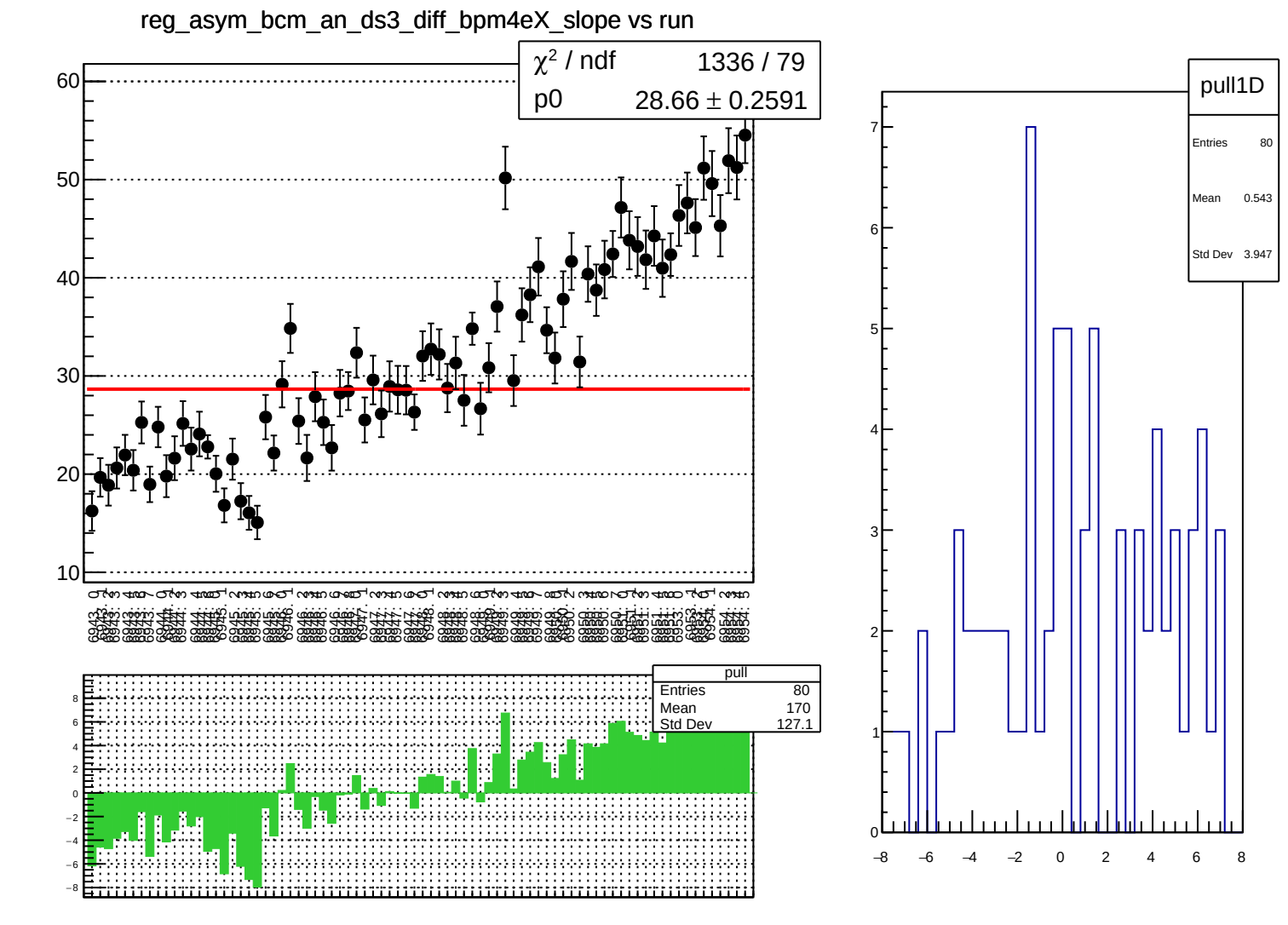

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 85.28 / 79
p0 −10.24 ± 0.05228
pull
Entries 80
Mean 148.9
Std Dev 114.9

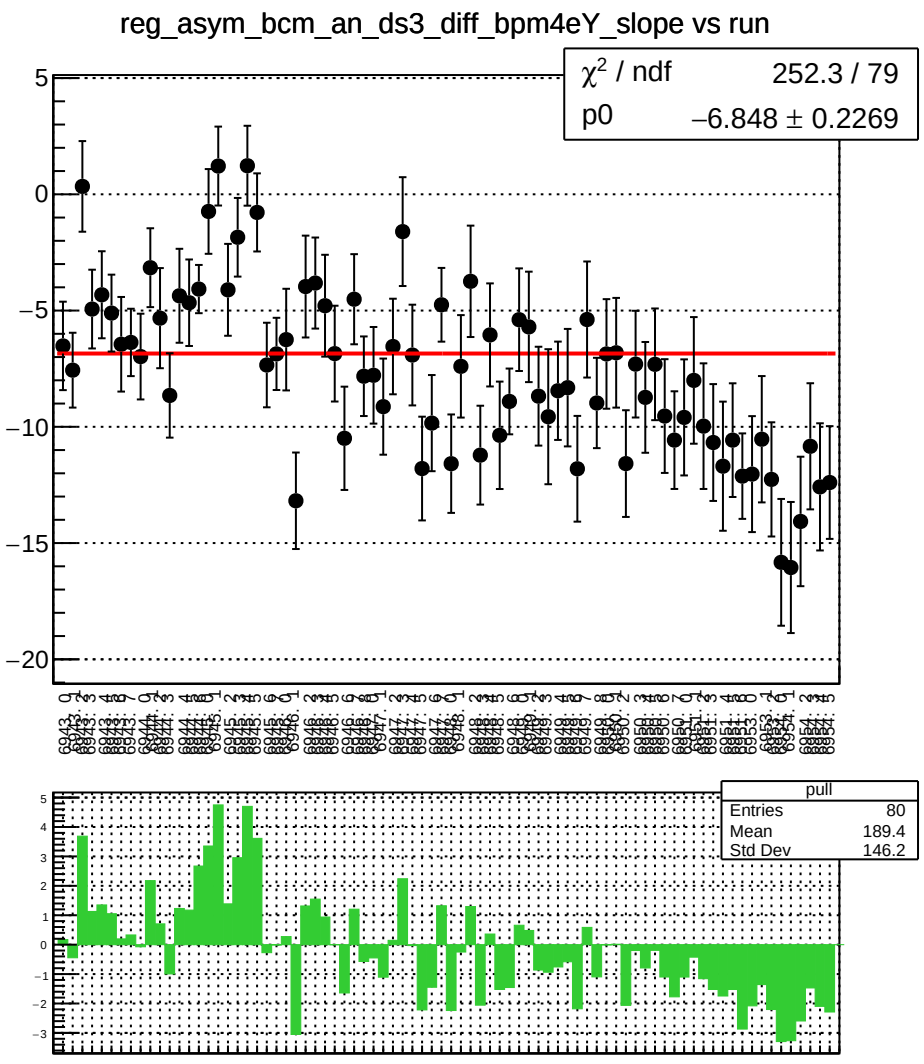

pull1D
Entries 80
Mean −0.006903
Std Dev 1.032

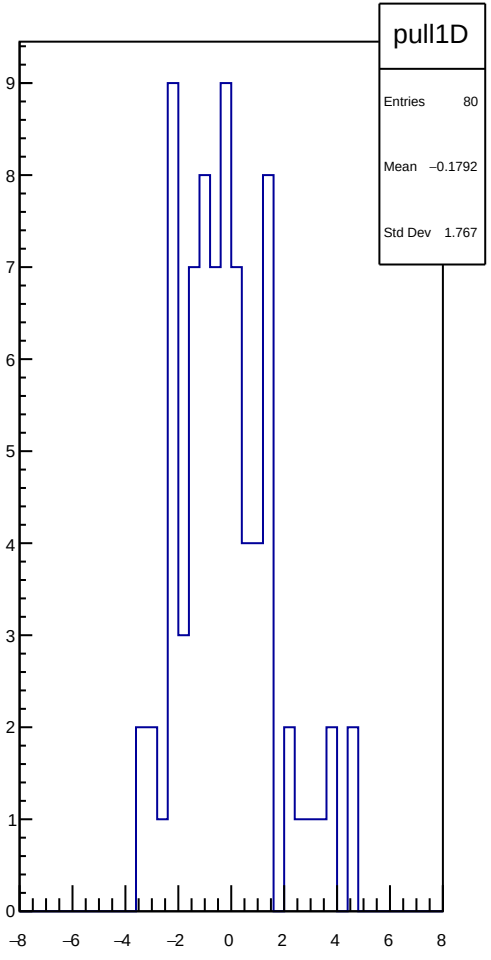

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1380 / 79
p0 −31.33 ± 0.2774
pull
Entries 80
Mean 169.4
Std Dev 126.3

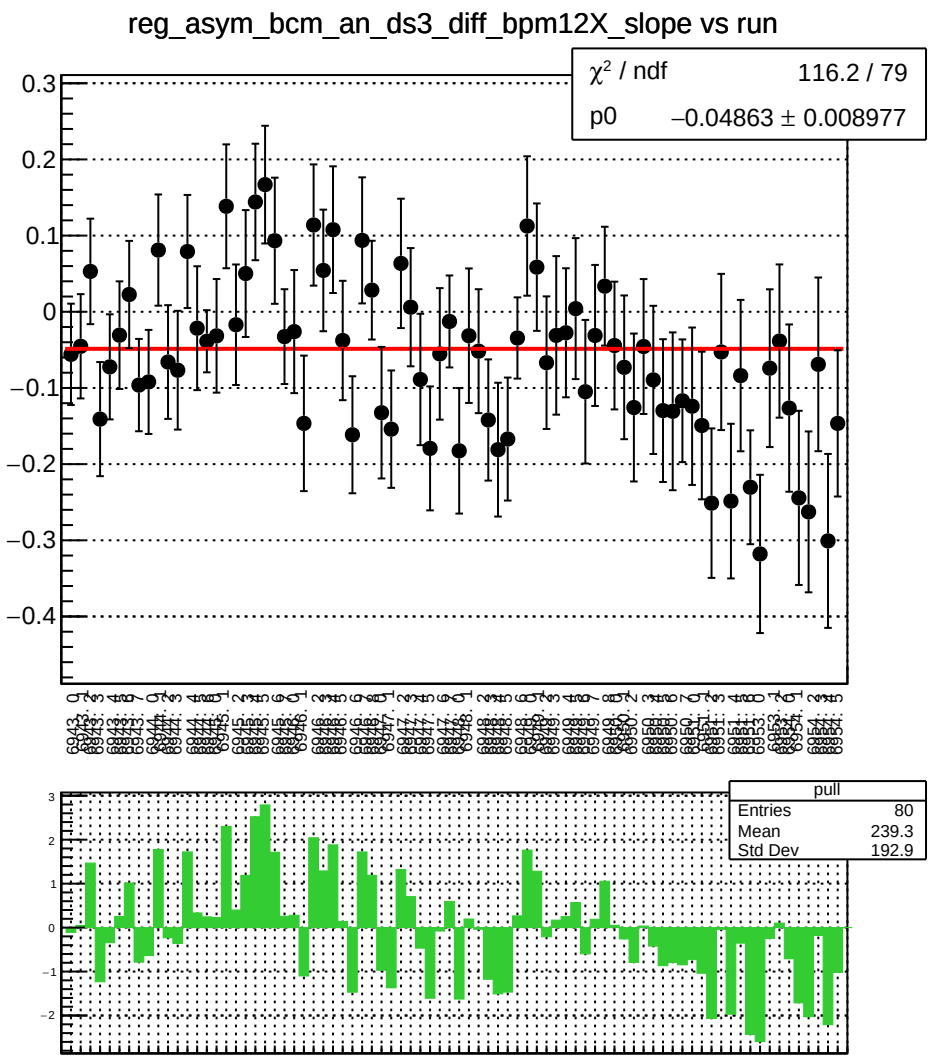

pull1D
Entries 80
Mean −0.6685
Std Dev 3.915

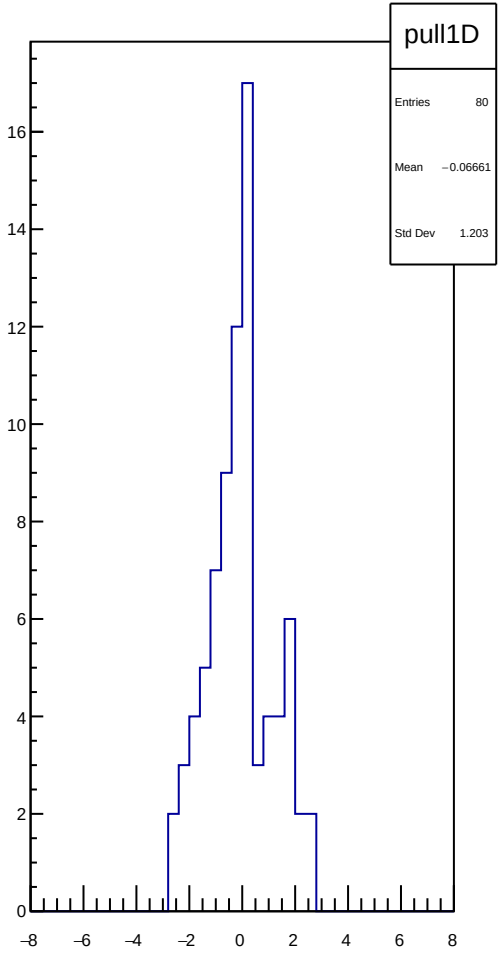

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 210.7 / 79
p0 5.27 ± 0.1977
pull
Entries 80
Mean 207.8
Std Dev 164.7
pull1D
Entries 80
Mean 0.1424
Std Dev 1.617

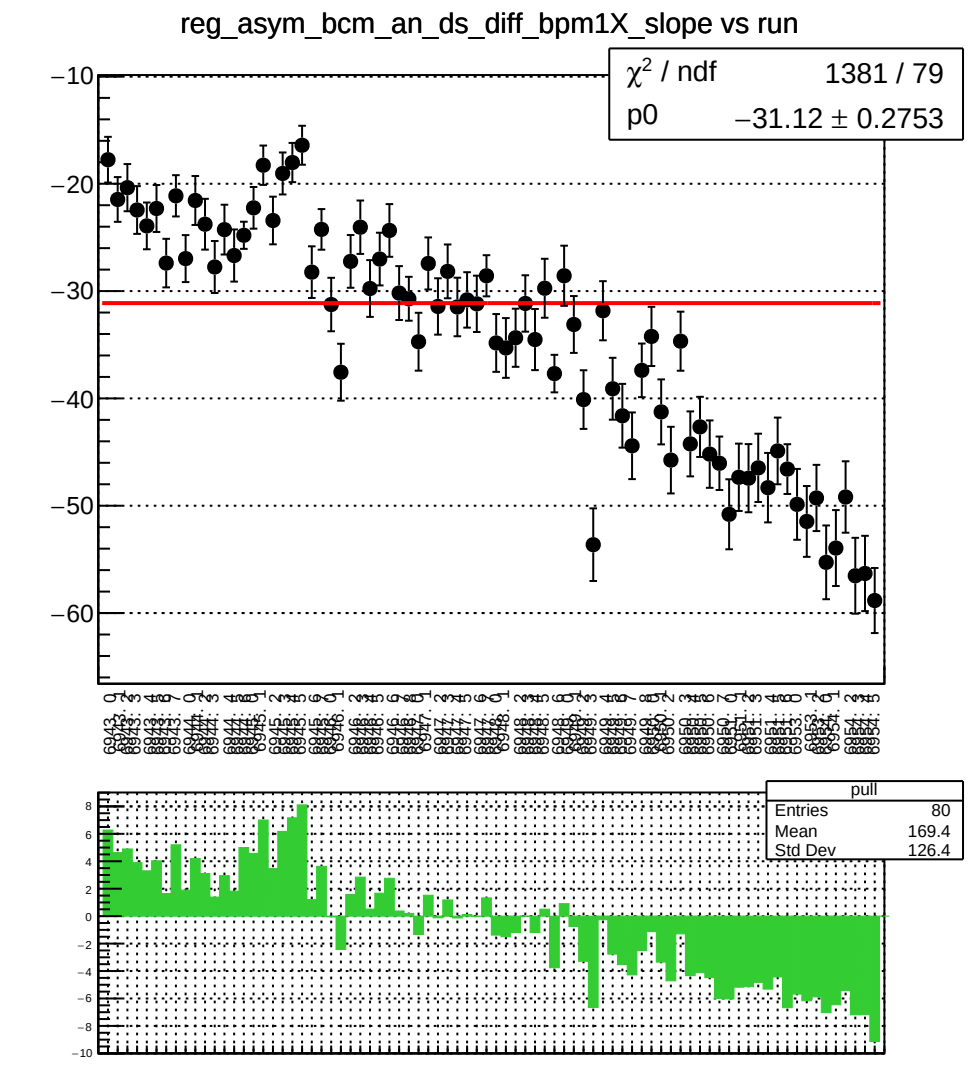

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1336 / 79
p0 28.66 ± 0.2591
pull
Entries 80
Mean 170
Std Dev 127.1
pull1D
Entries 80
Mean 0.543
Std Dev 3.947

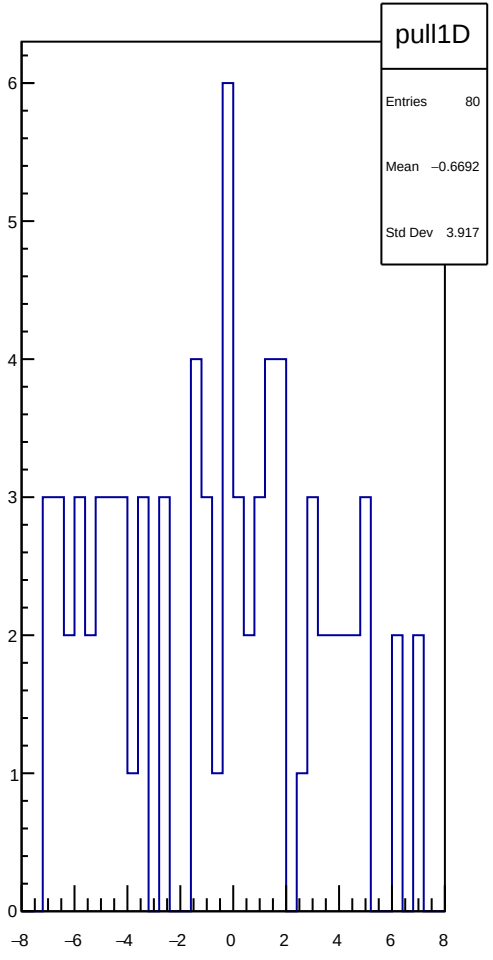

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 252.3 / 79
p0 −6.848 ± 0.2269
pull
Entries 80
Mean 189.4
Std Dev 146.2

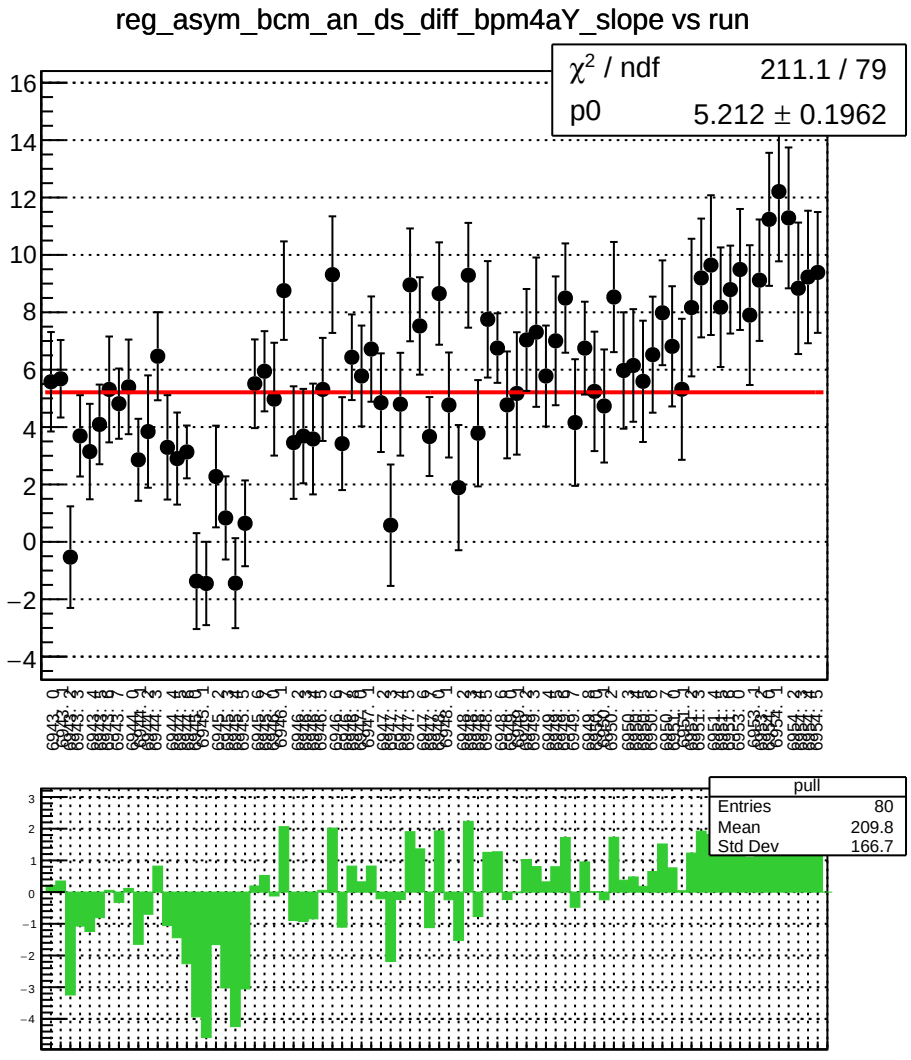

pull1D
Entries 80
Mean −0.1792
Std Dev 1.767

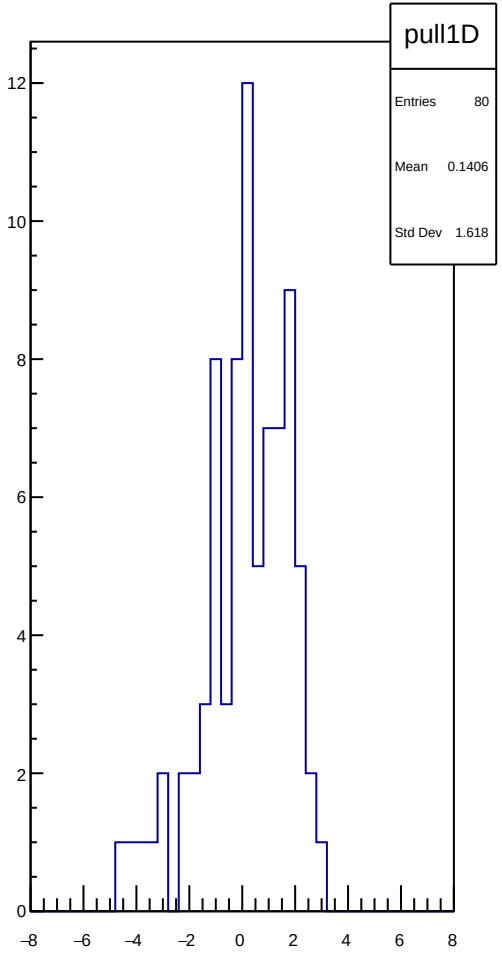

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 116.2 / 79
p0 −0.04863 ± 0.008977
pull
Entries 80
Mean 239.3
Std Dev 192.9

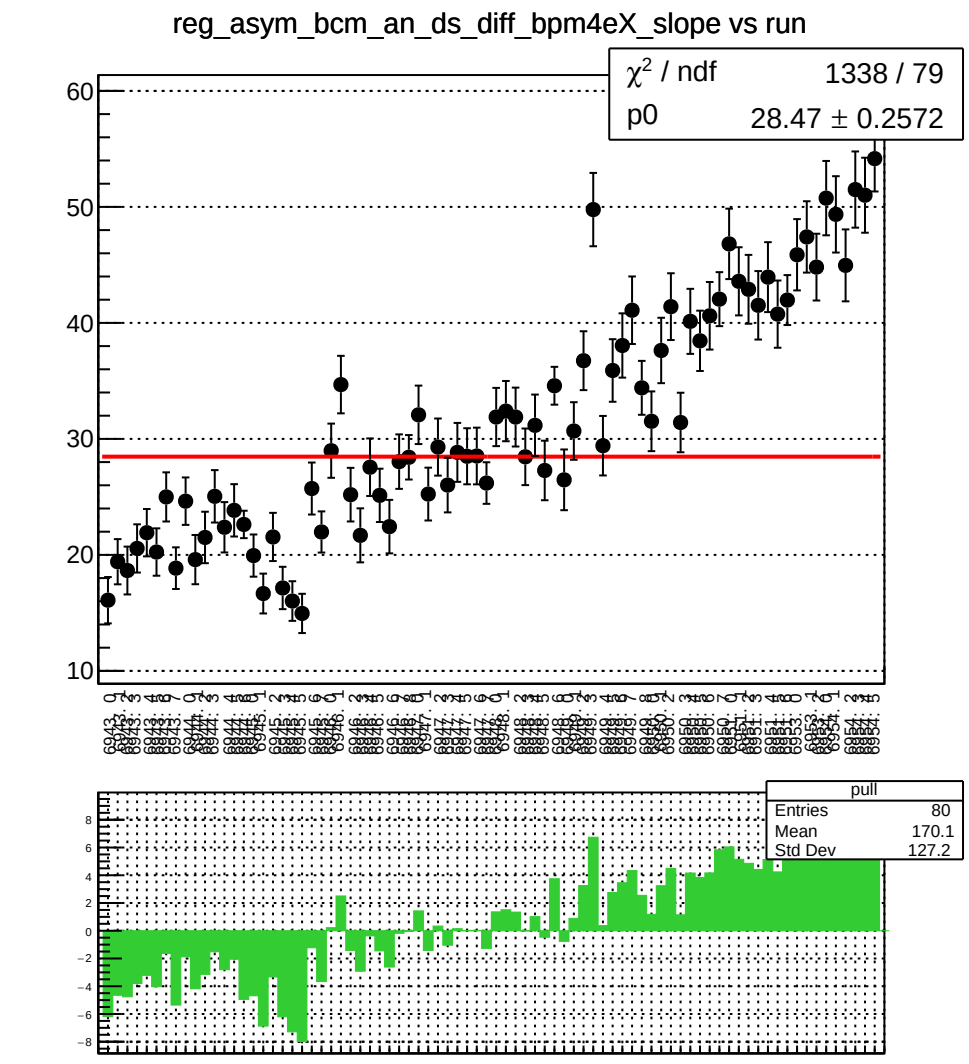

pull1D
Entries 80
Mean −0.06661
Std Dev 1.203

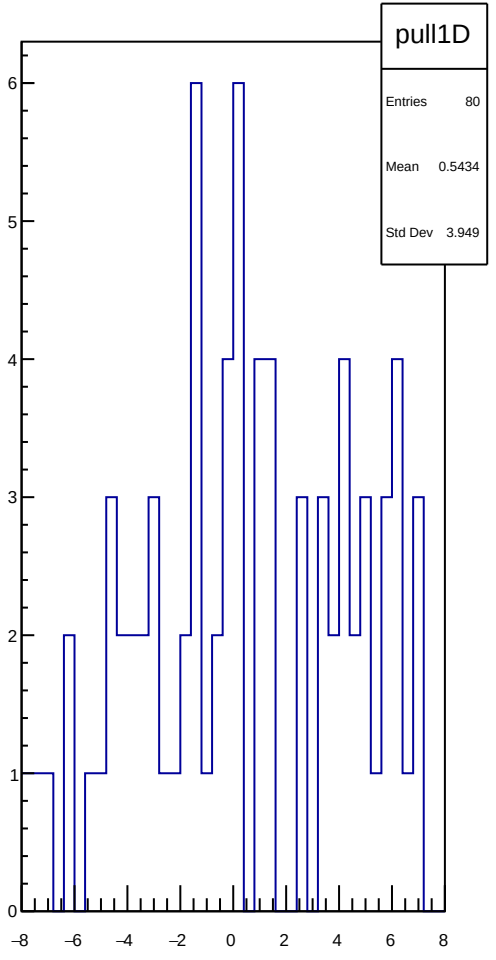

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1381 / 79
p0 −31.12 ± 0.2753
pull
Entries 80
Mean 169.4
Std Dev 126.4

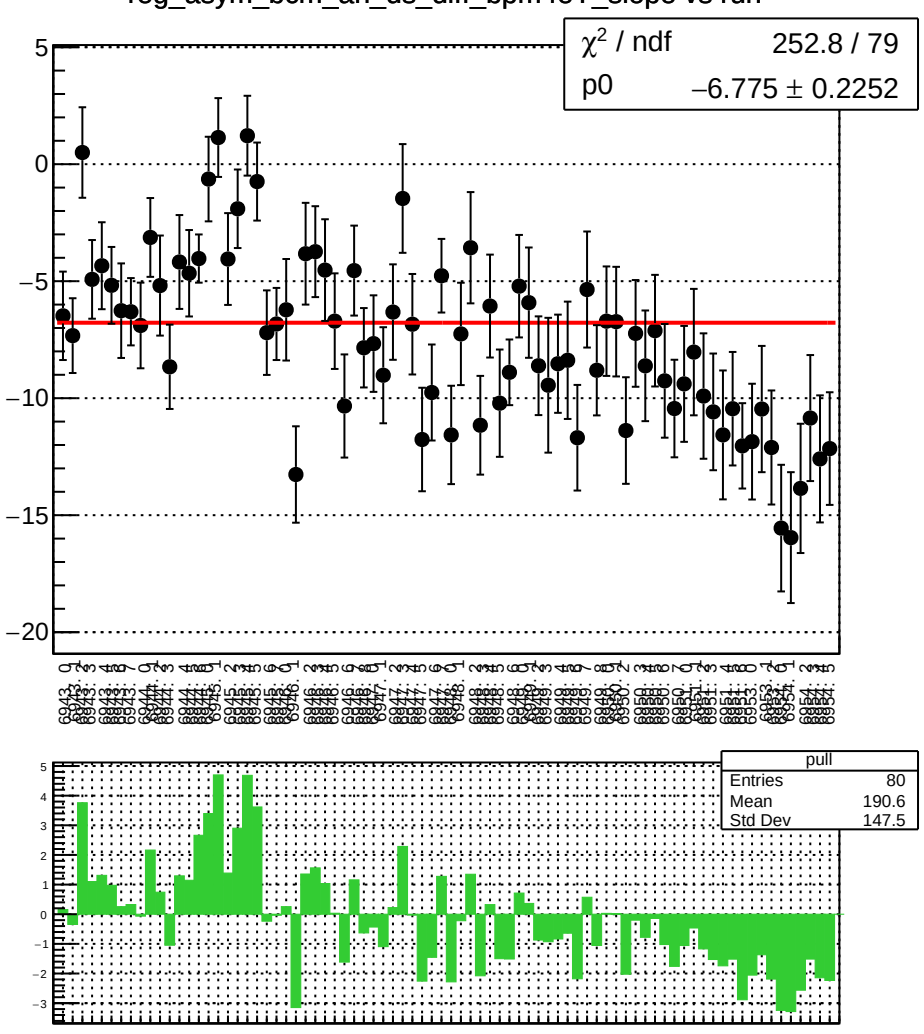

pull1D
Entries 80
Mean −0.6692
Std Dev 3.917

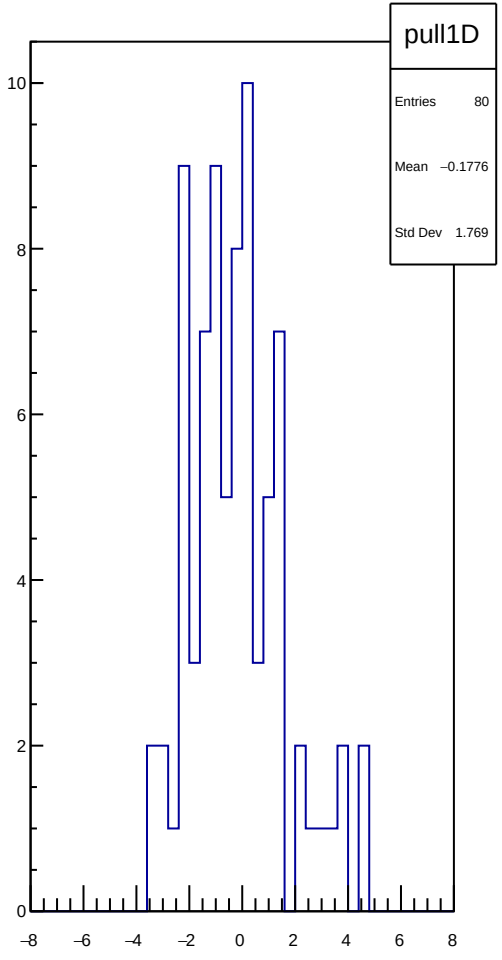

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 211.1 / 79
p0 5.212 ± 0.1962
pull
Entries 80
Mean 209.8
Std Dev 166.7

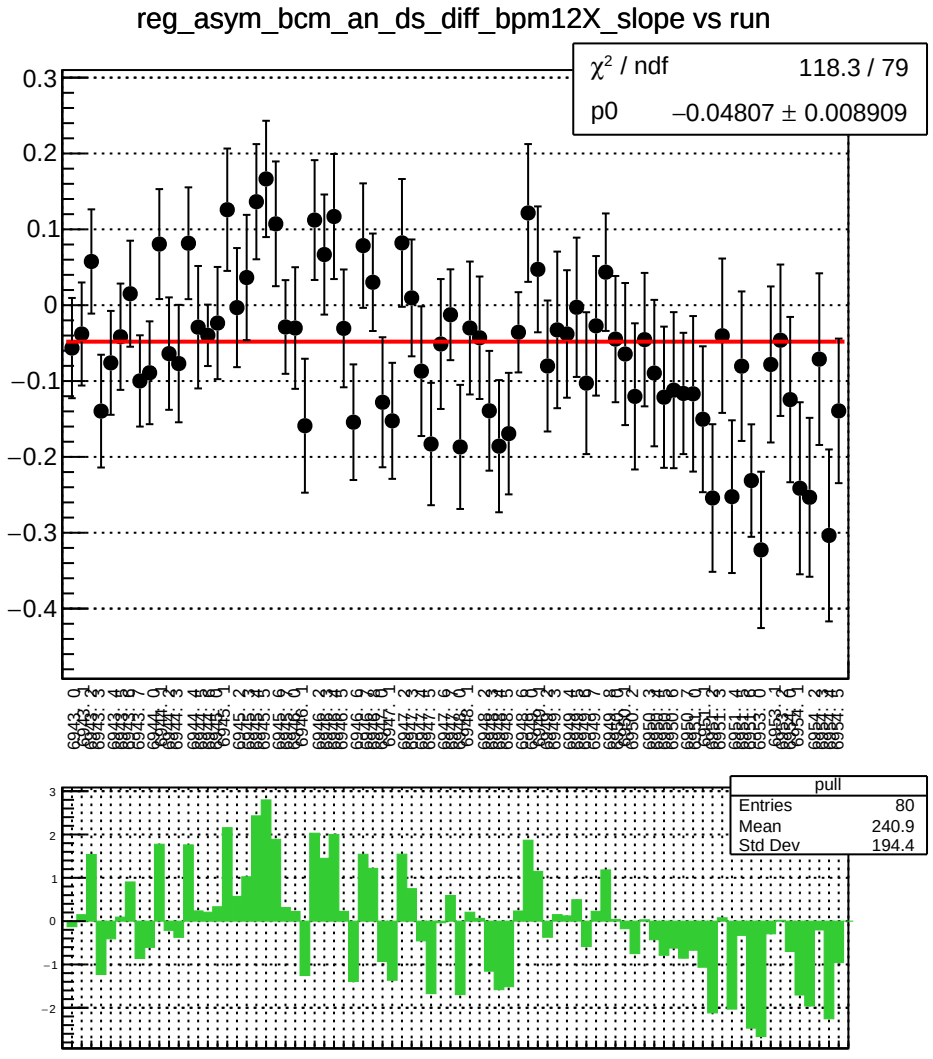

pull1D
Entries 80
Mean 0.1406
Std Dev 1.618

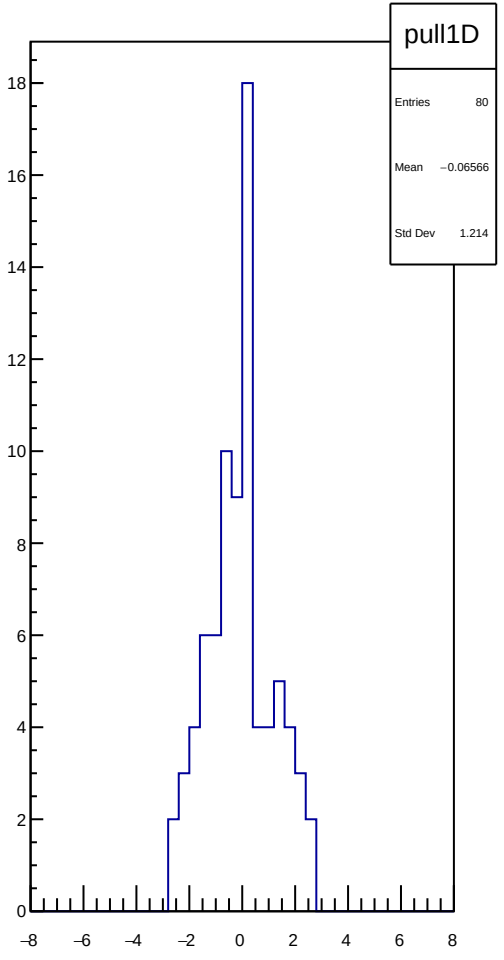

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1338 / 79
p0 28.47 ± 0.2572
pull
Entries 80
Mean 170.1
Std Dev 127.2

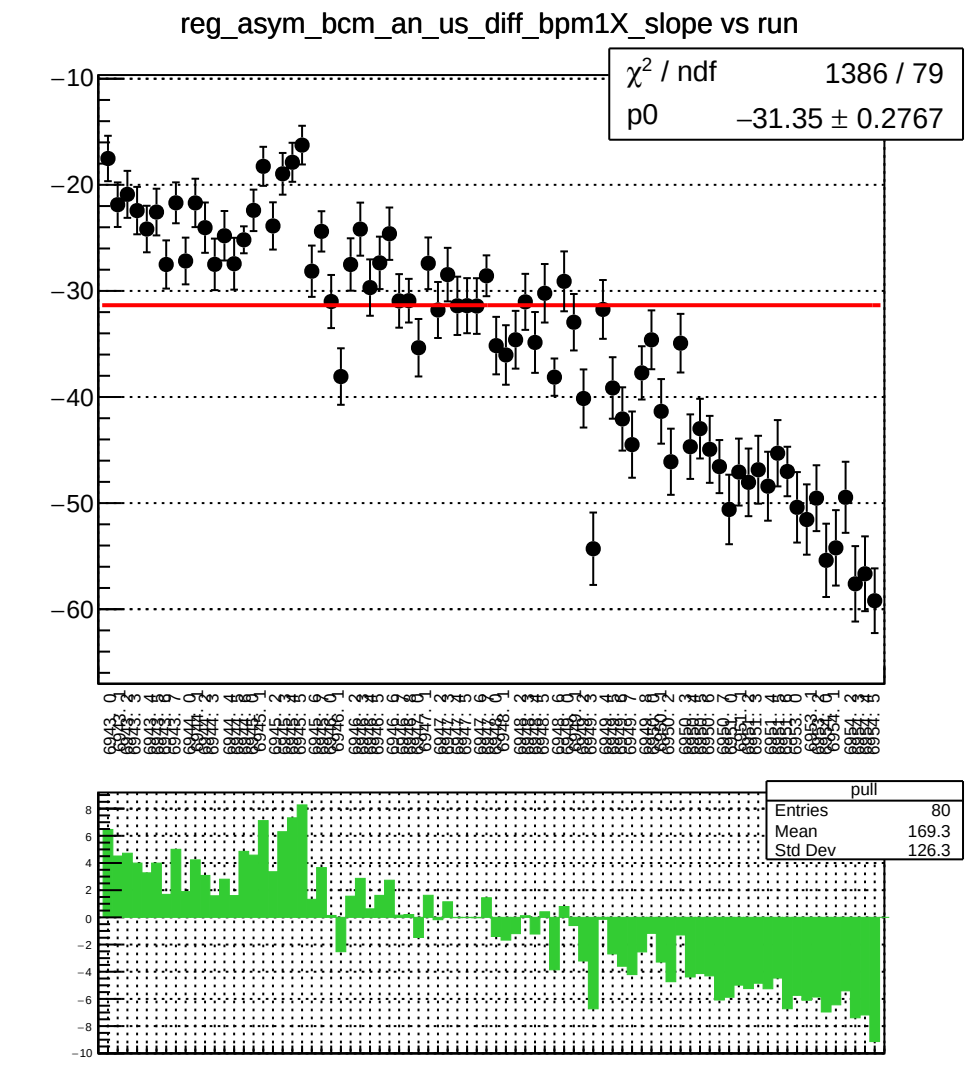

pull1D
Entries 80
Mean 0.5434
Std Dev 3.949

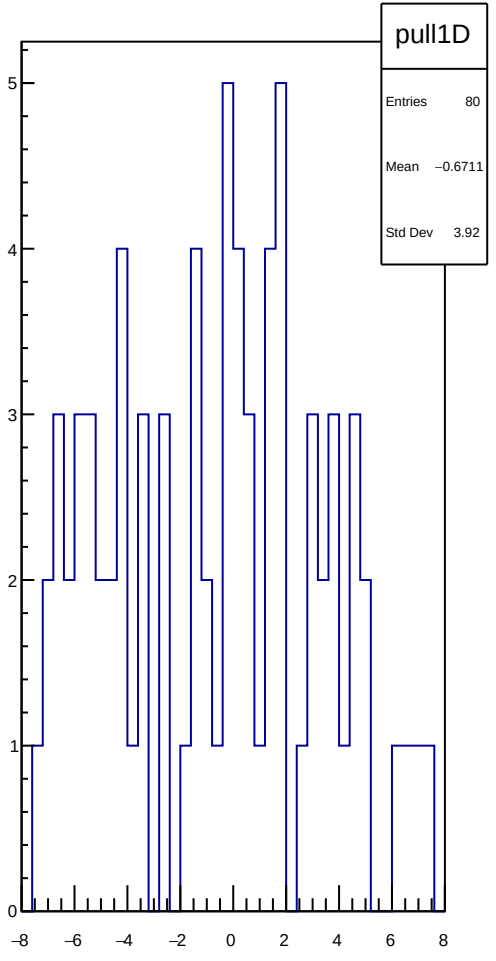

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 252.8 / 79
p0 −6.775 ± 0.2252
pull
Entries 80
Mean 190.6
Std Dev 147.5

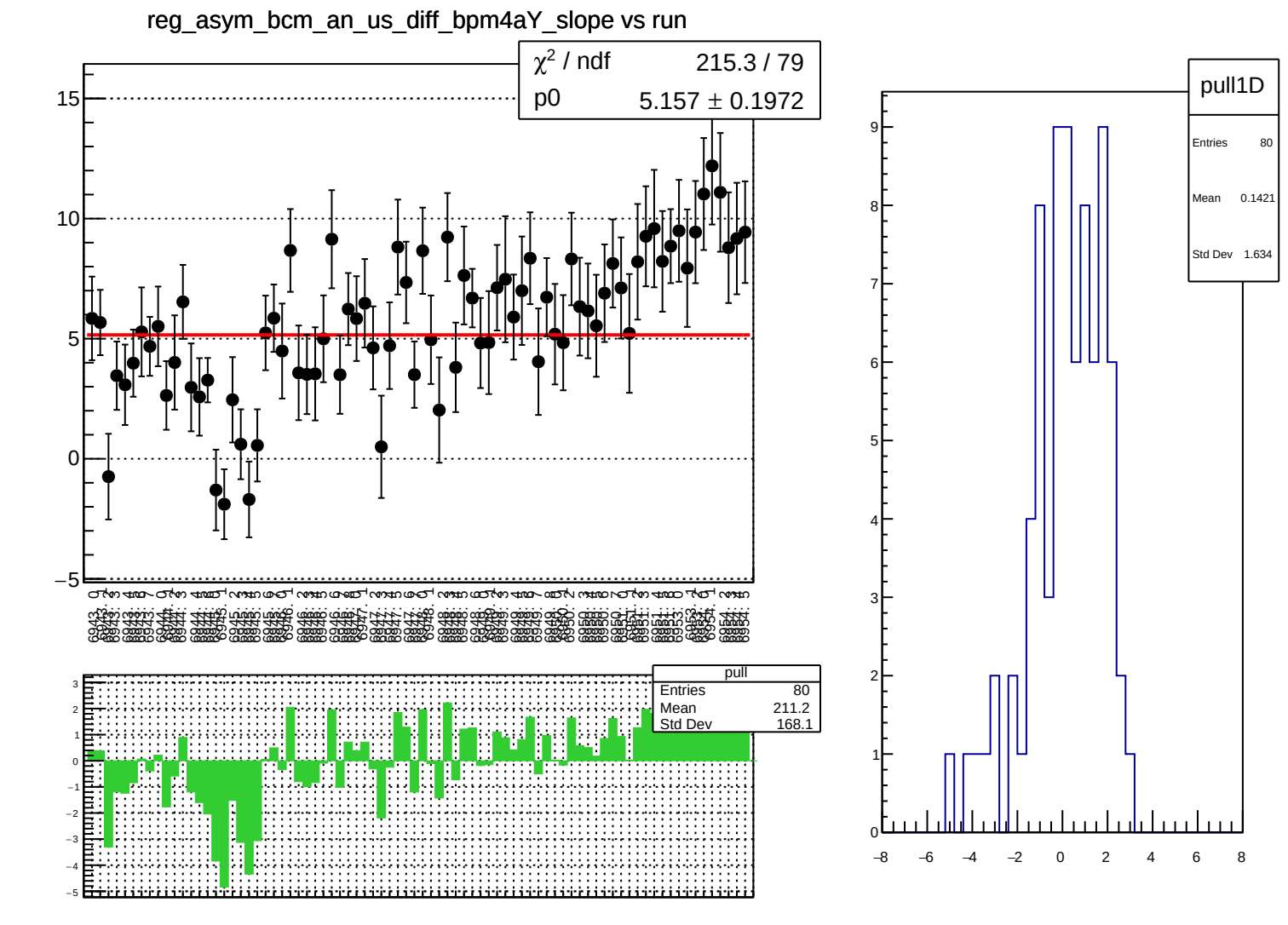

pull1D
Entries 80
Mean −0.1776
Std Dev 1.769

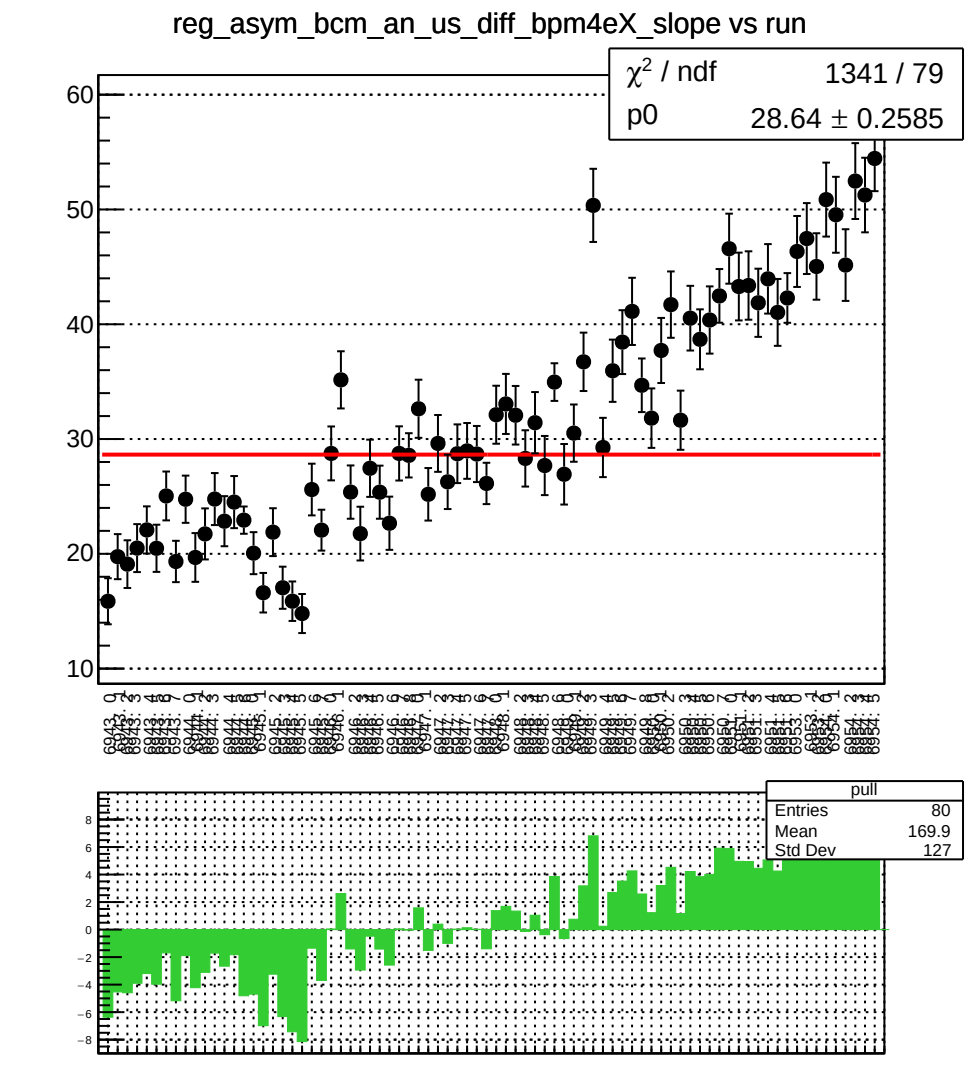

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 118.3 / 79
p0 −0.04807 ± 0.008909
pull
Entries 80
Mean 240.9
Std Dev 194.4

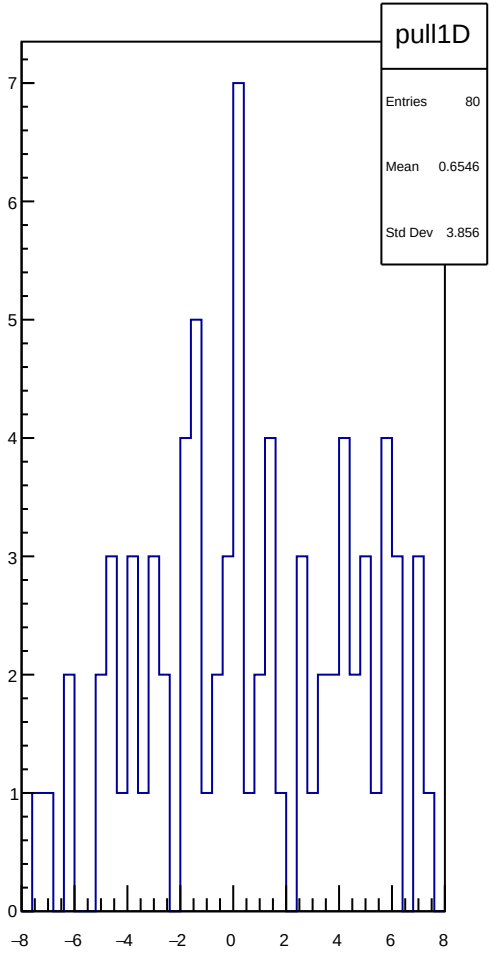

pull1D
Entries 80
Mean −0.06566
Std Dev 1.214

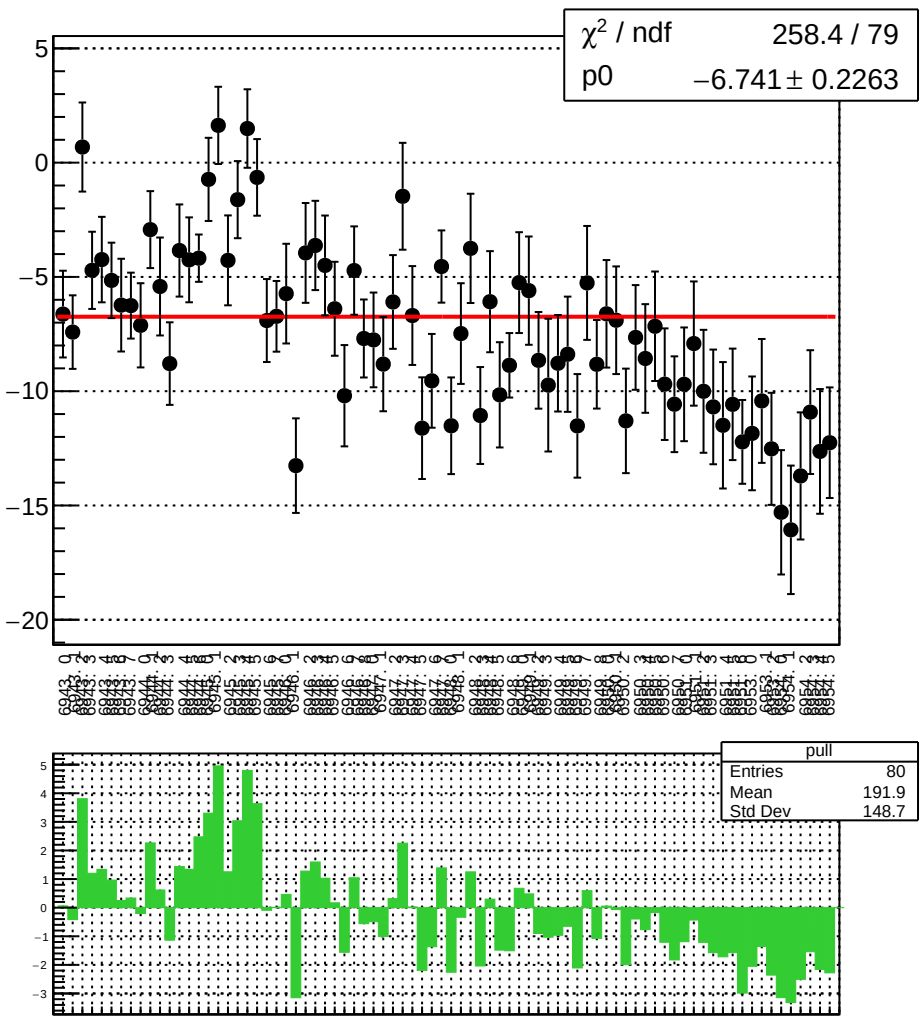

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1386 / 79
p0 −31.35 ± 0.2767
pull
Entries 80
Mean 169.3
Std Dev 126.3

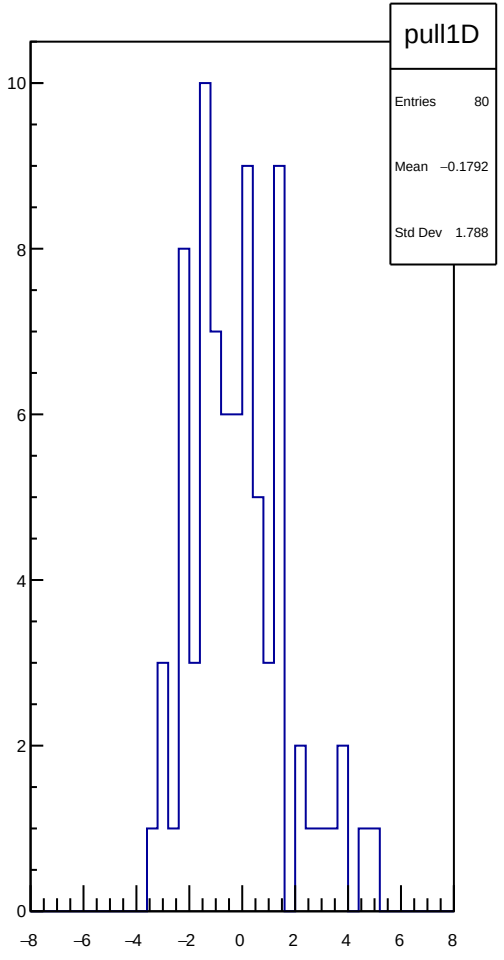

pull1D
Entries 80
Mean −0.6711
Std Dev 3.92

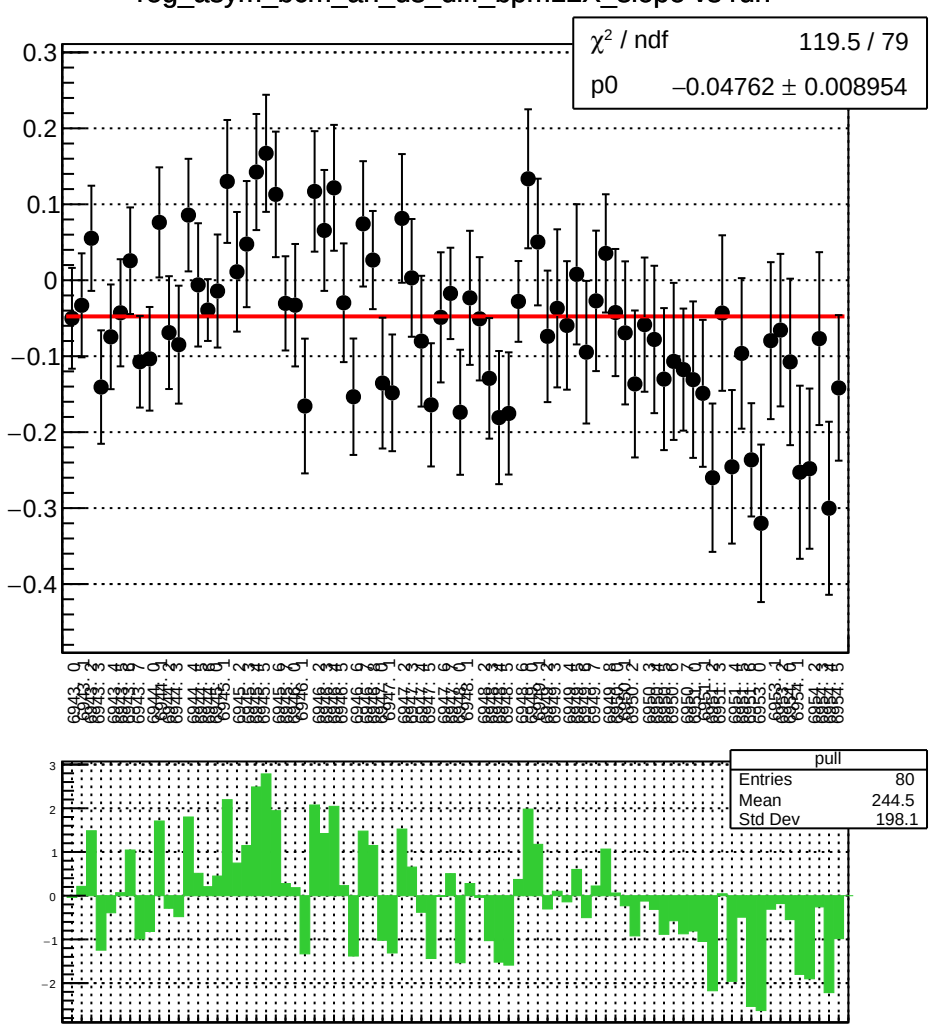

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 215.3 / 79
p0 5.157 ± 0.1972
pull
Entries 80
Mean 211.2
Std Dev 168.1
pull1D
Entries 80
Mean 0.1421
Std Dev 1.634

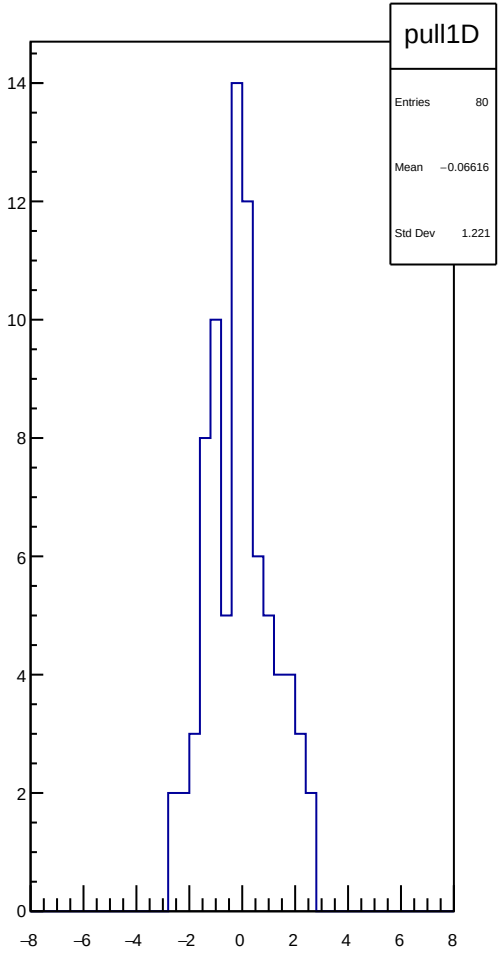

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1341 / 79
p0 28.64 ± 0.2585
pull
Entries 80
Mean 169.9
Std Dev 127

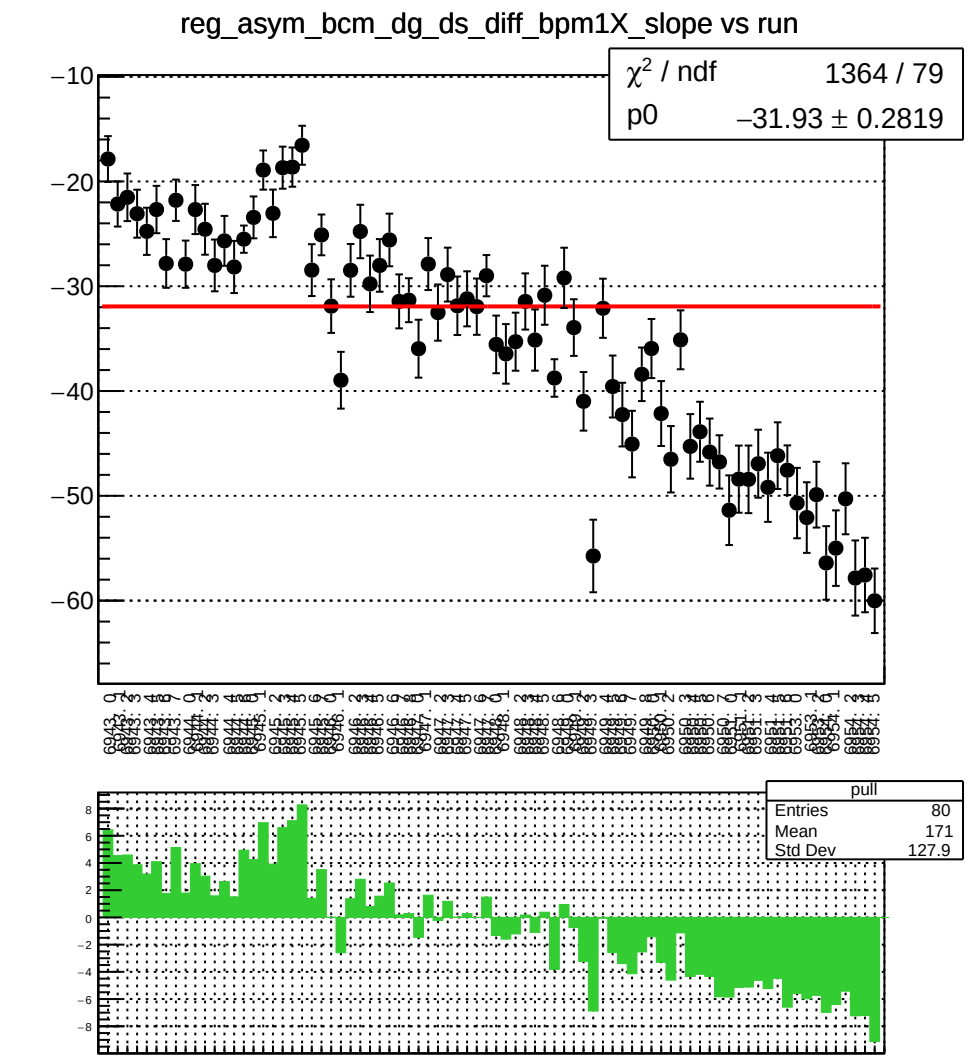

pull1D
Entries 80
Mean 0.6546
Std Dev 3.856

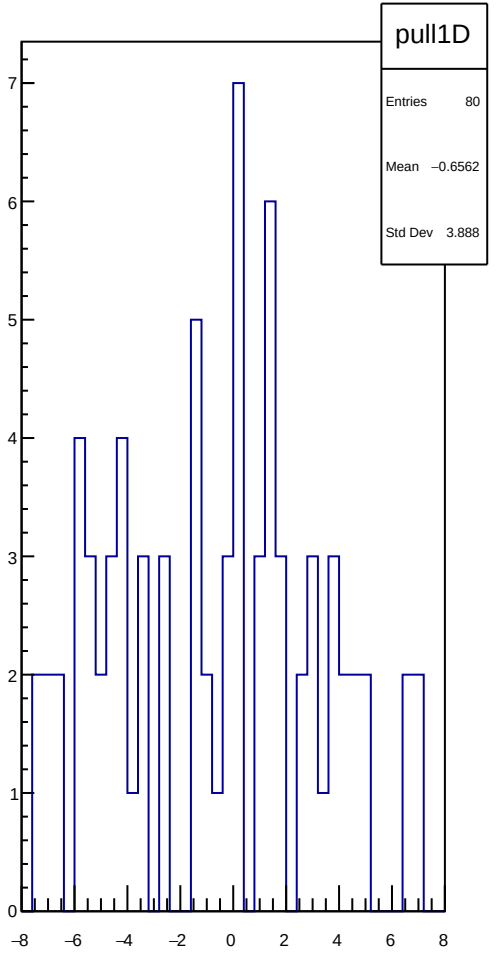

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 258.4 / 79
p0 −6.741 ± 0.2263
pull
Entries 80
Mean 191.9
Std Dev 148.7

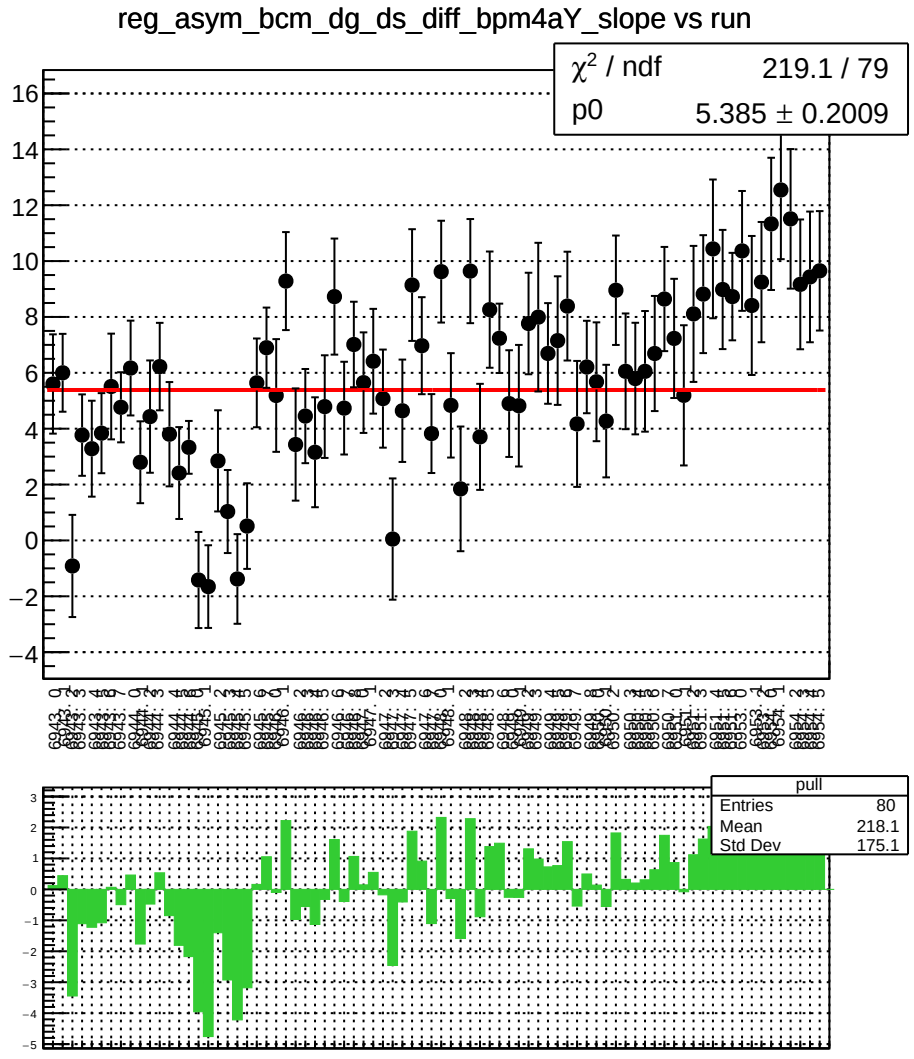

pull1D
Entries 80
Mean −0.1792
Std Dev 1.788

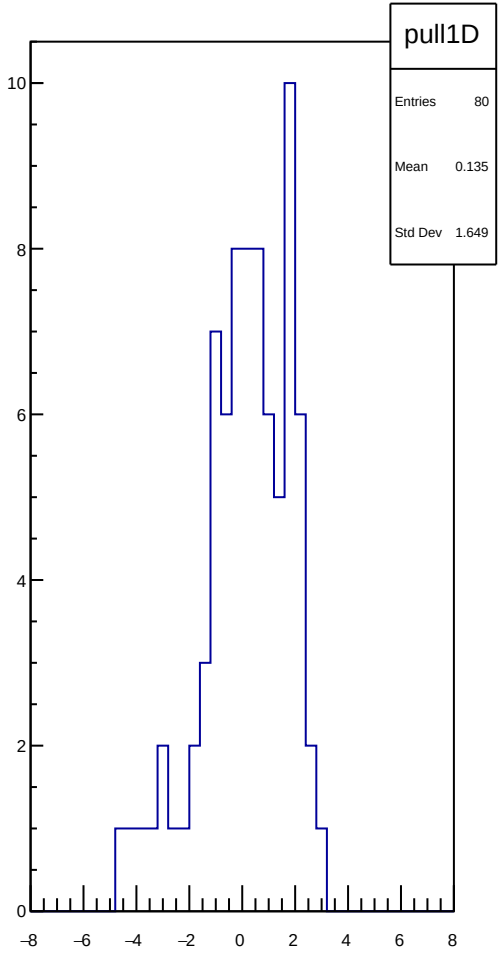

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 119.5 / 79
p0 −0.04762 ± 0.008954
pull
Entries 80
Mean 244.5
Std Dev 198.1

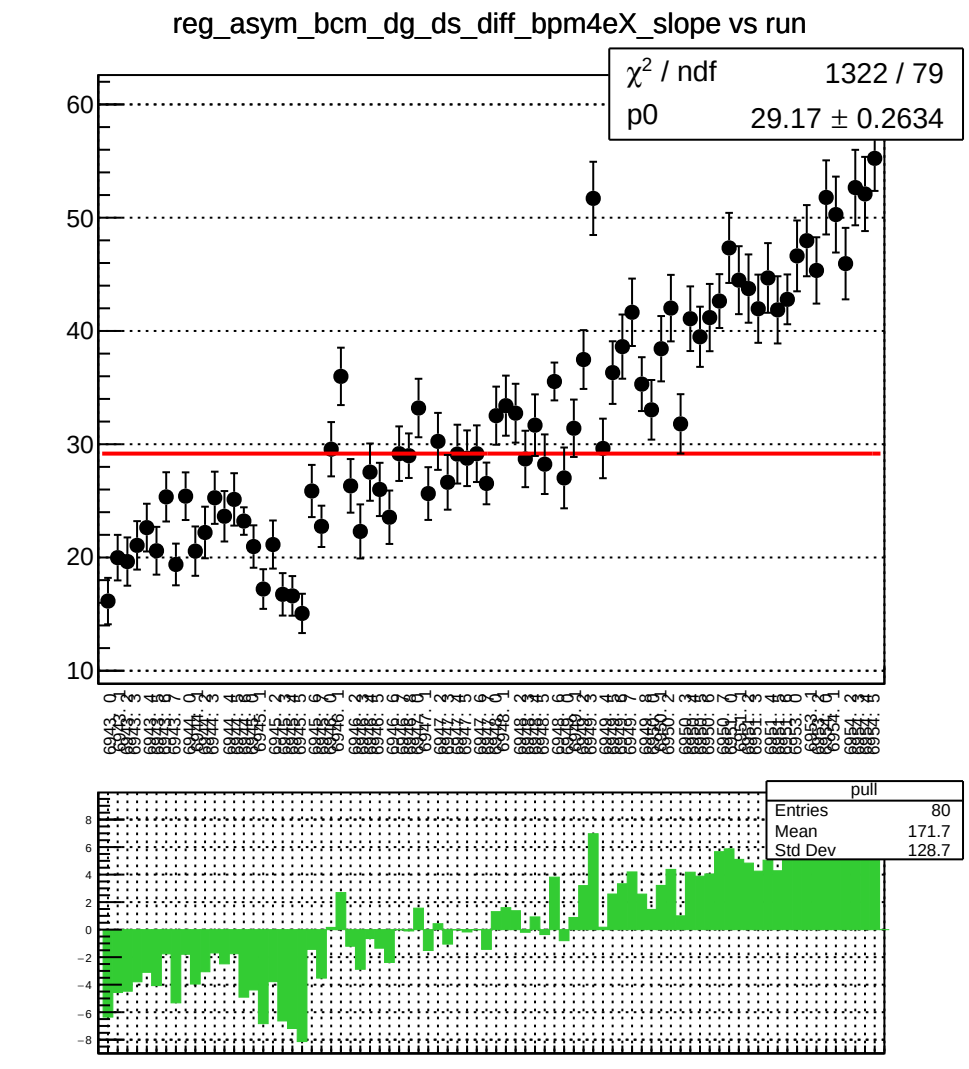

pull1D
Entries 80
Mean −0.06616
Std Dev 1.221

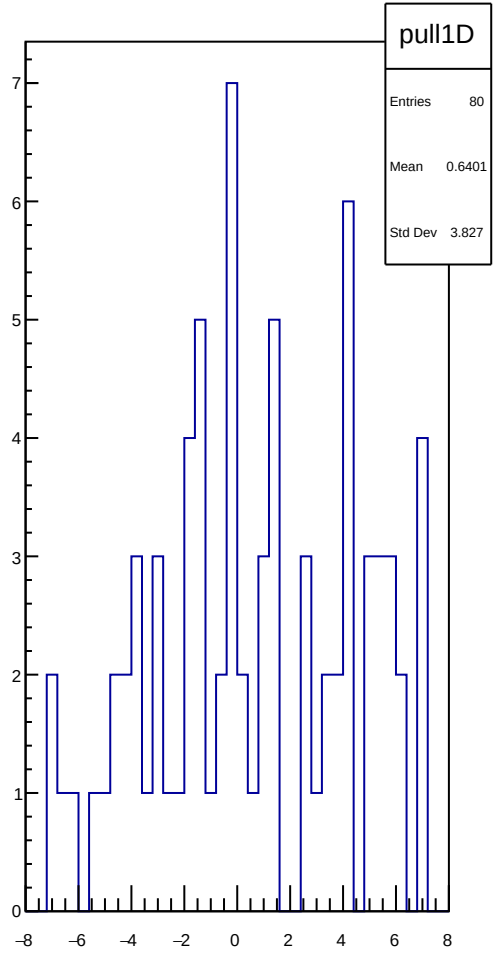

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1364 / 79
p0 −31.93 ± 0.2819
pull
Entries 80
Mean 171
Std Dev 127.9

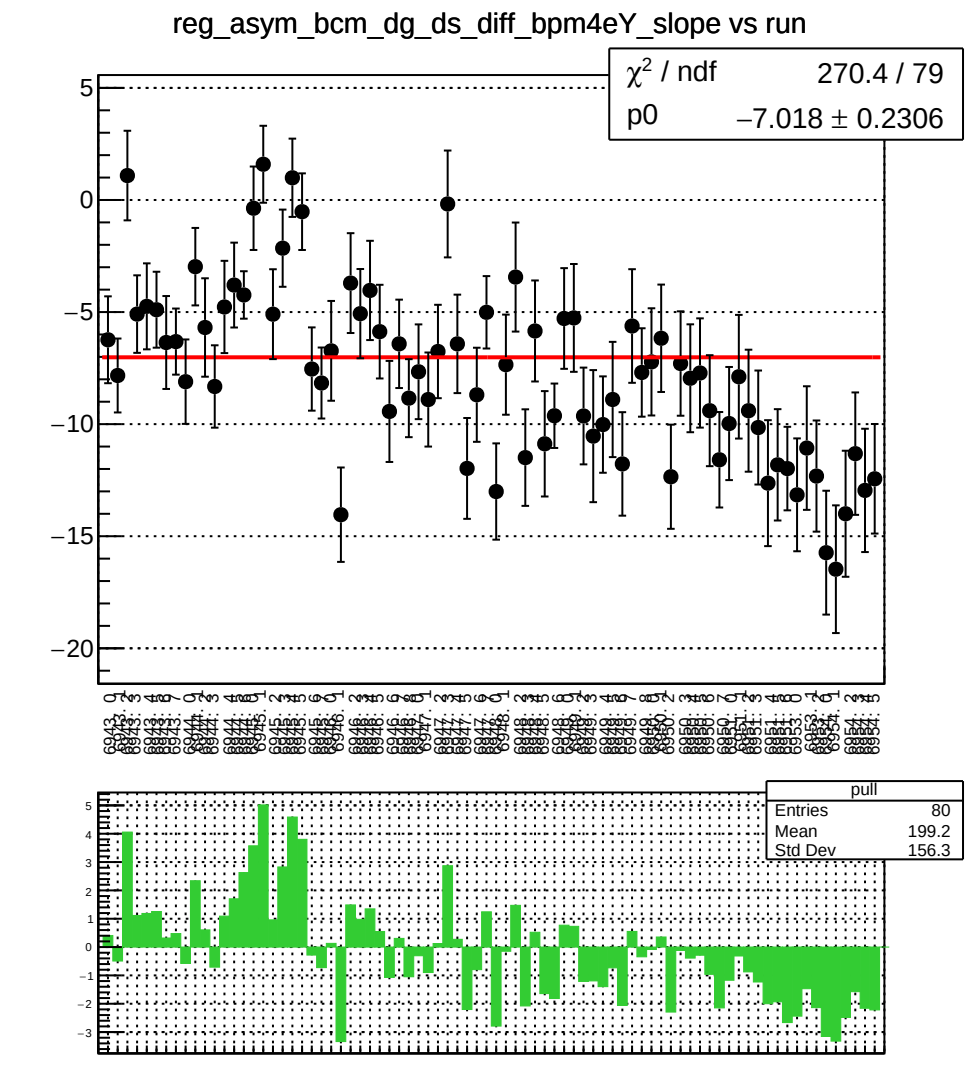

pull1D
Entries 80
Mean −0.6562
Std Dev 3.888

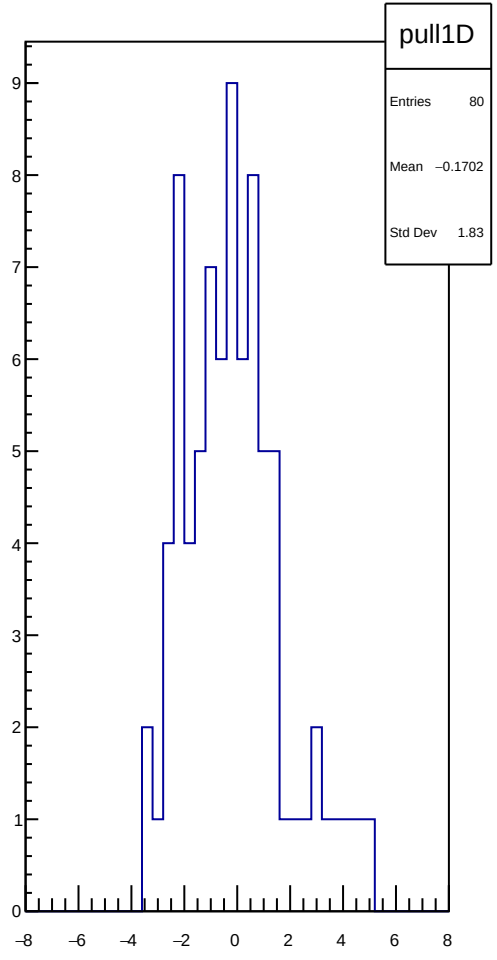

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 219.1 / 79
p0 5.385 ± 0.2009
pull
Entries 80
Mean 218.1
Std Dev 175.1

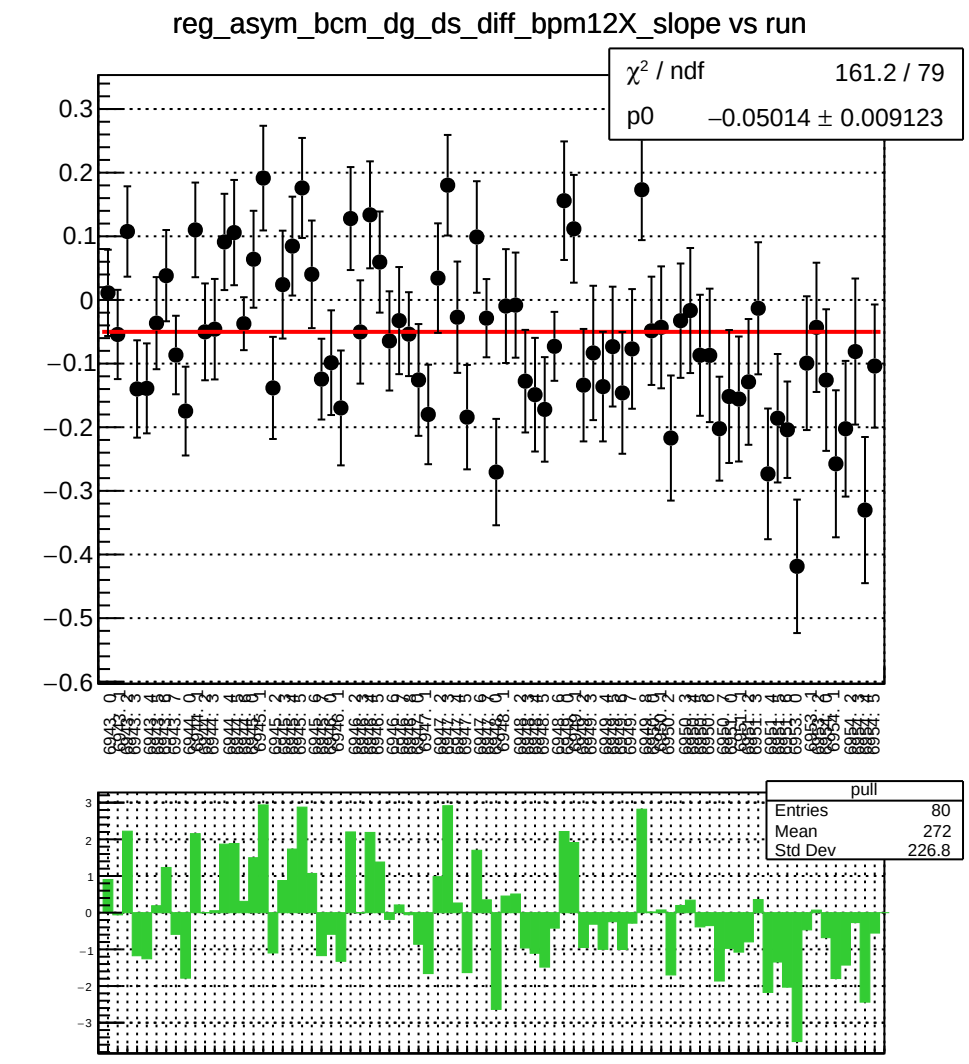

pull1D
Entries 80
Mean 0.135
Std Dev 1.649

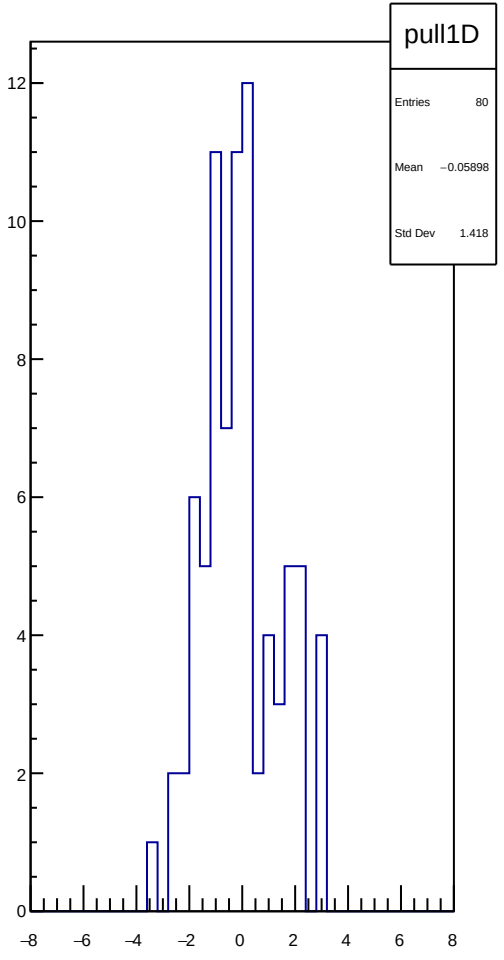

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1322 / 79
p0 29.17 ± 0.2634
pull
Entries 80
Mean 171.7
Std Dev 128.7

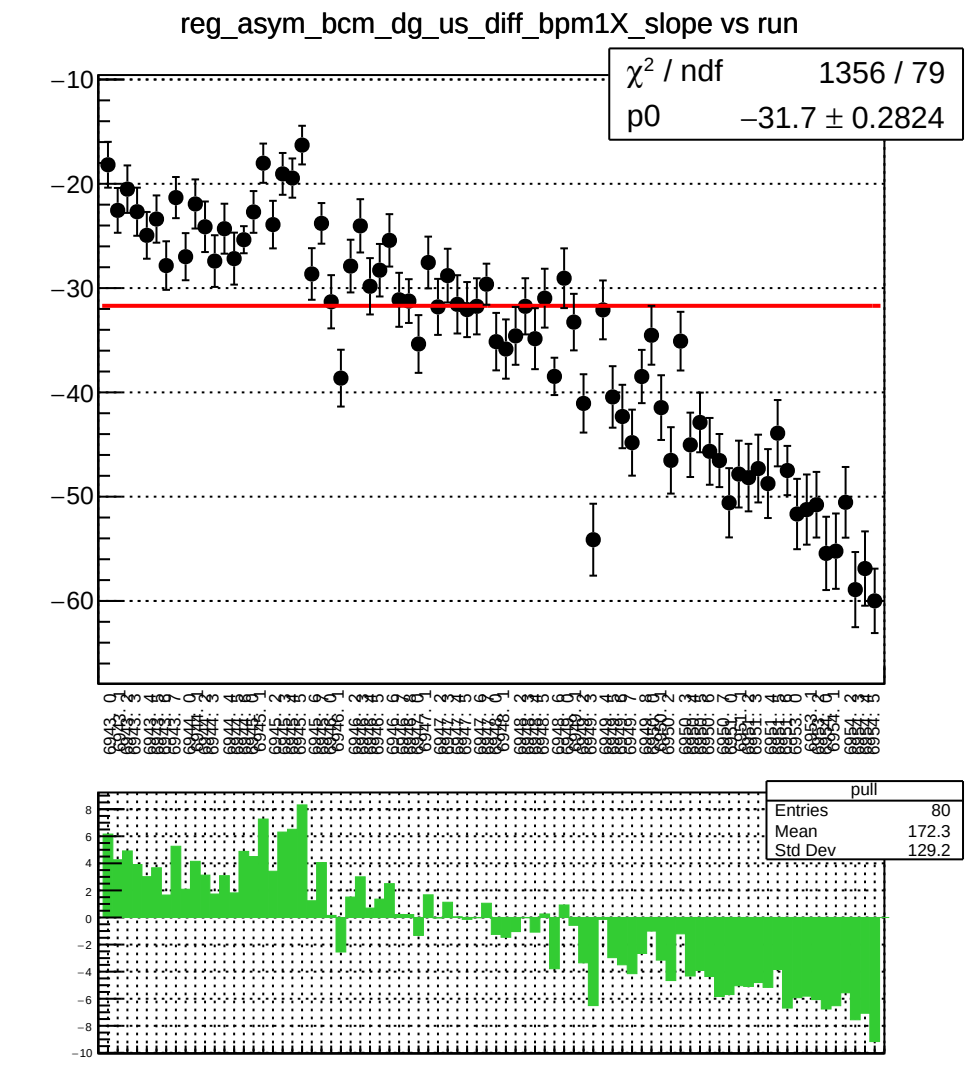

pull1D
Entries 80
Mean 0.6401
Std Dev 3.827

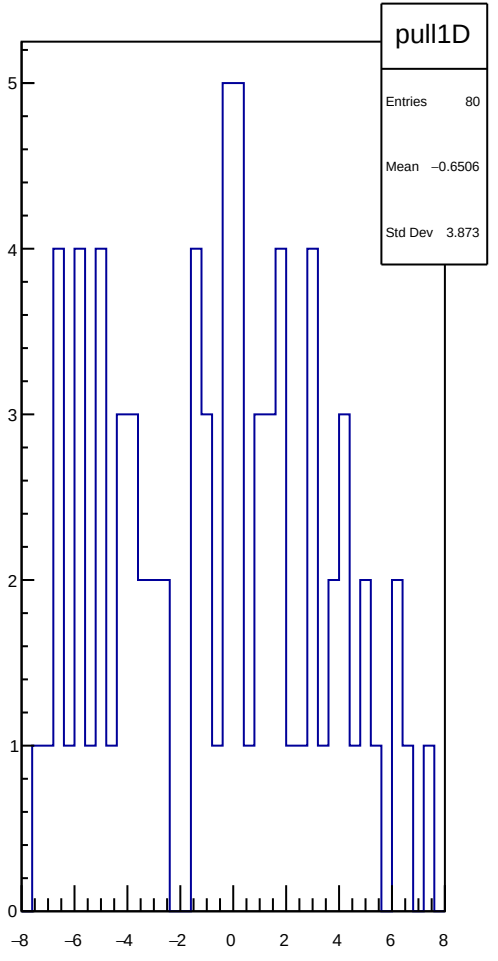

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 270.4 / 79
p0 −7.018 ± 0.2306
pull
Entries 80
Mean 199.2
Std Dev 156.3

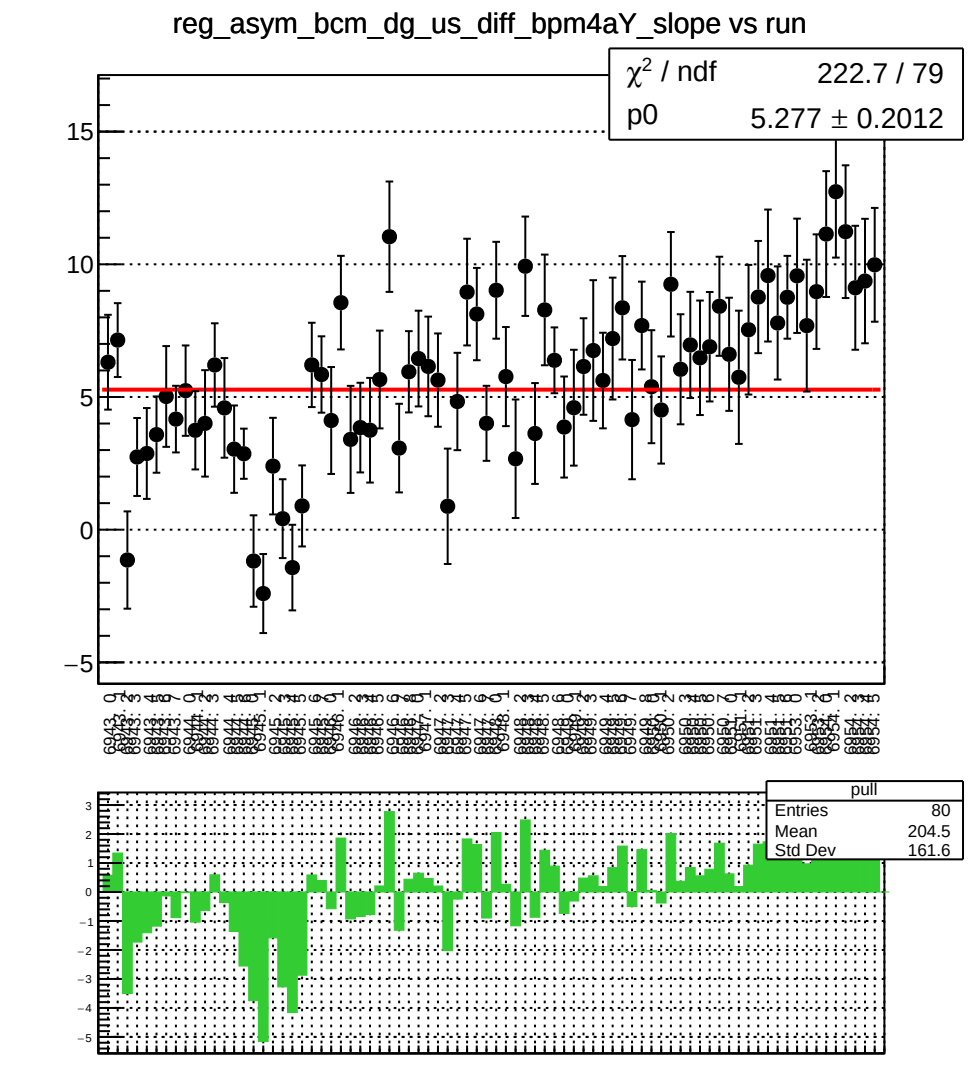

pull1D
Entries 80
Mean −0.1702
Std Dev 1.83

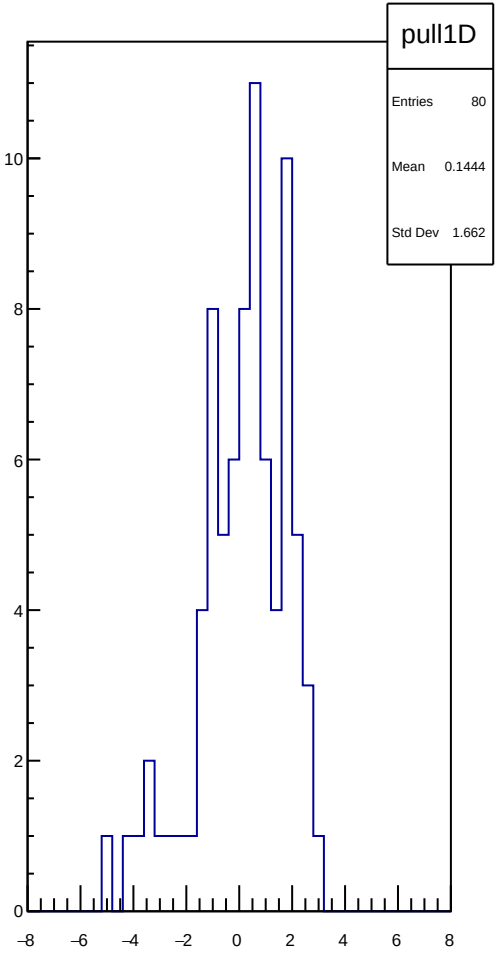

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 161.2 / 79
p0 −0.05014 ± 0.009123
pull
Entries 80
Mean 272
Std Dev 226.8

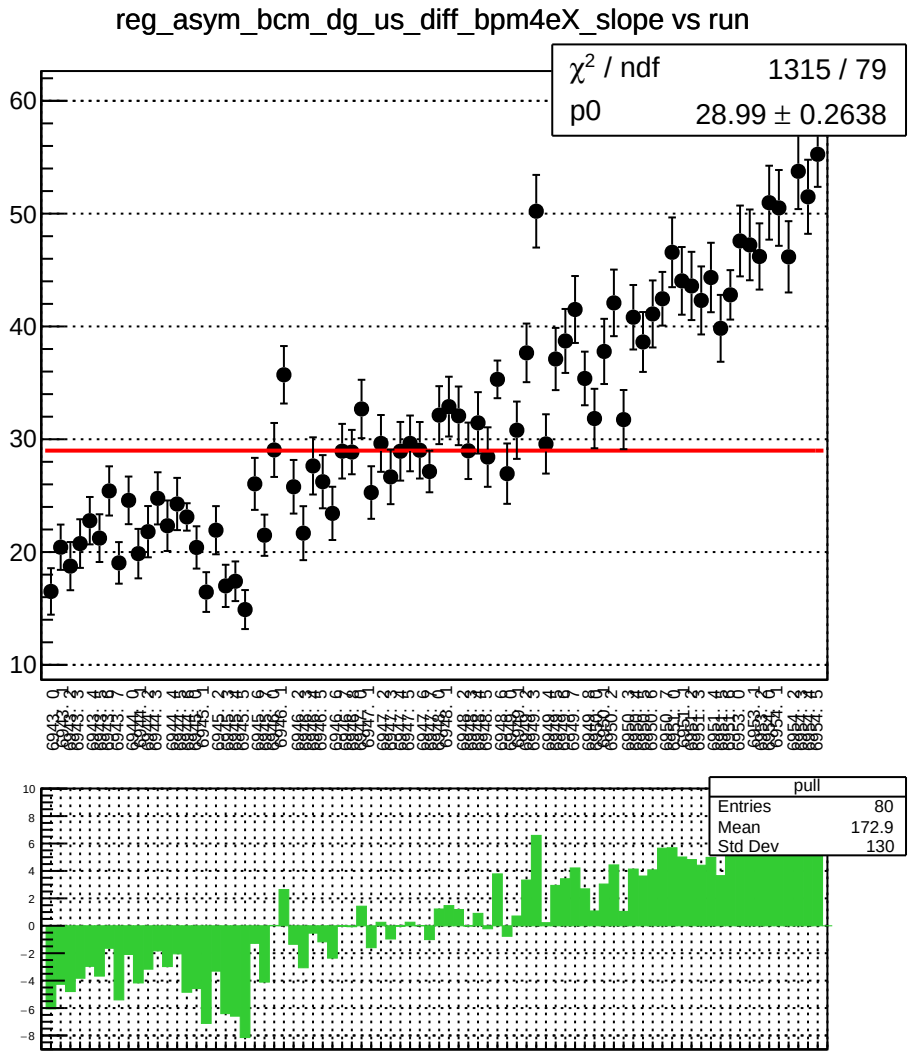

pull1D
Entries 80
Mean −0.05898
Std Dev 1.418

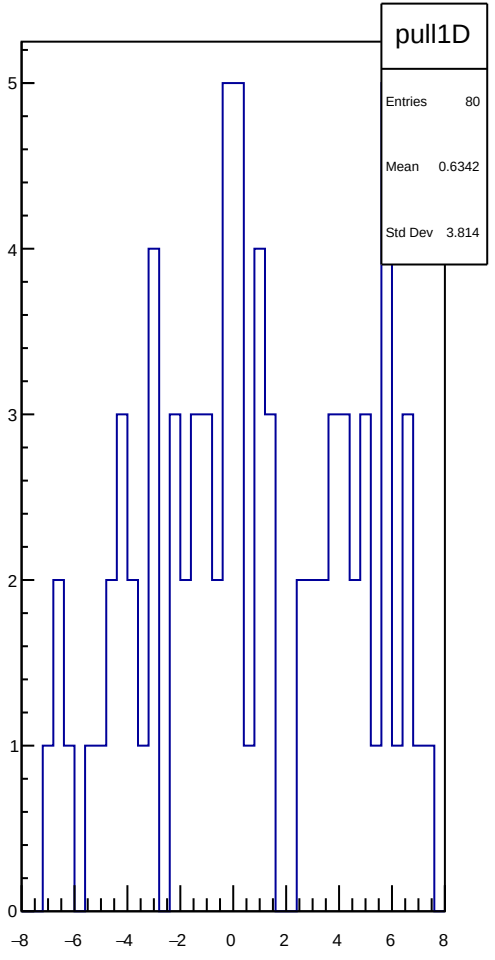

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1356 / 79
p0 −31.7 ± 0.2824
pull
Entries 80
Mean 172.3
Std Dev 129.2

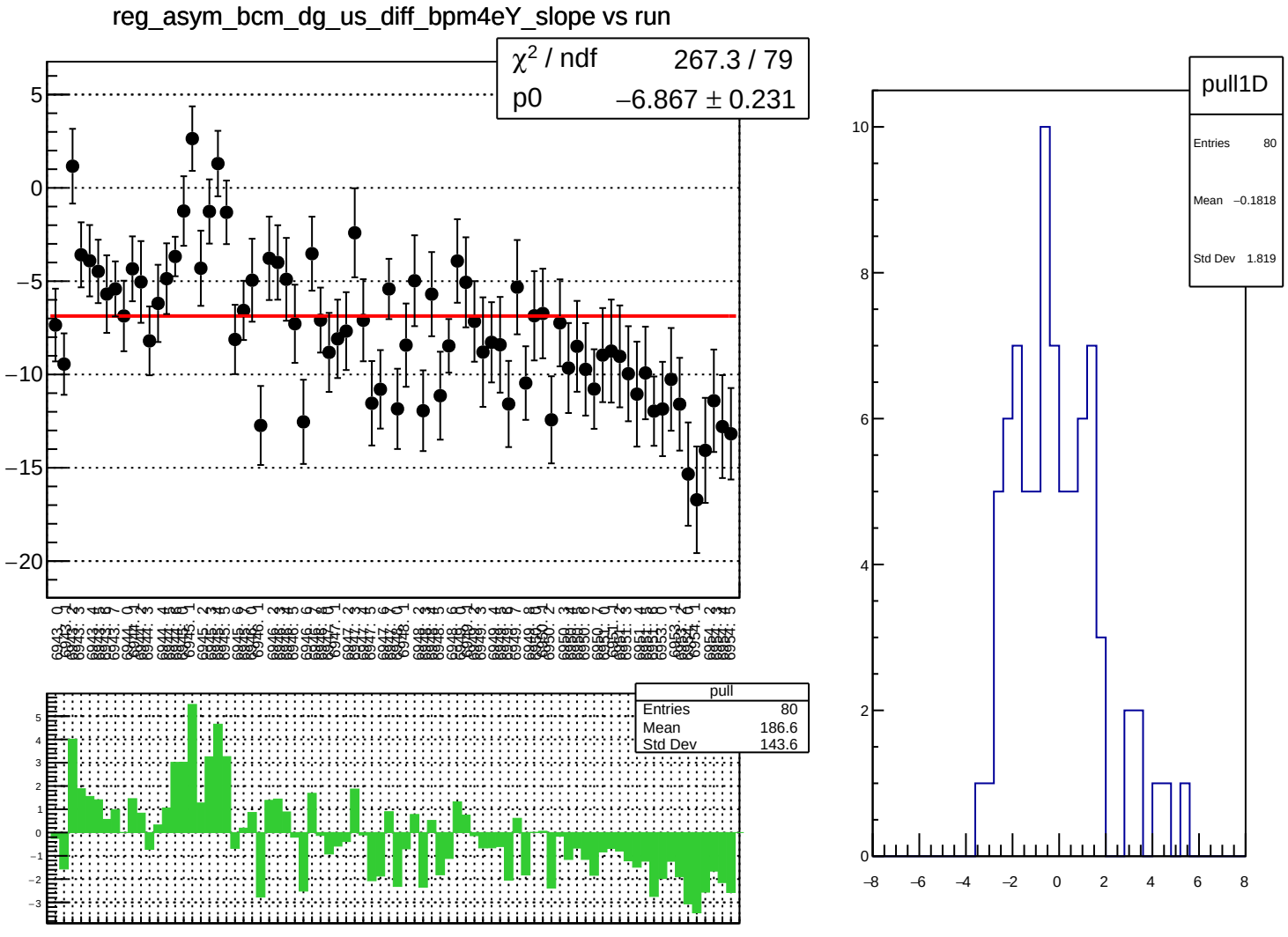

pull1D
Entries 80
Mean −0.6506
Std Dev 3.873

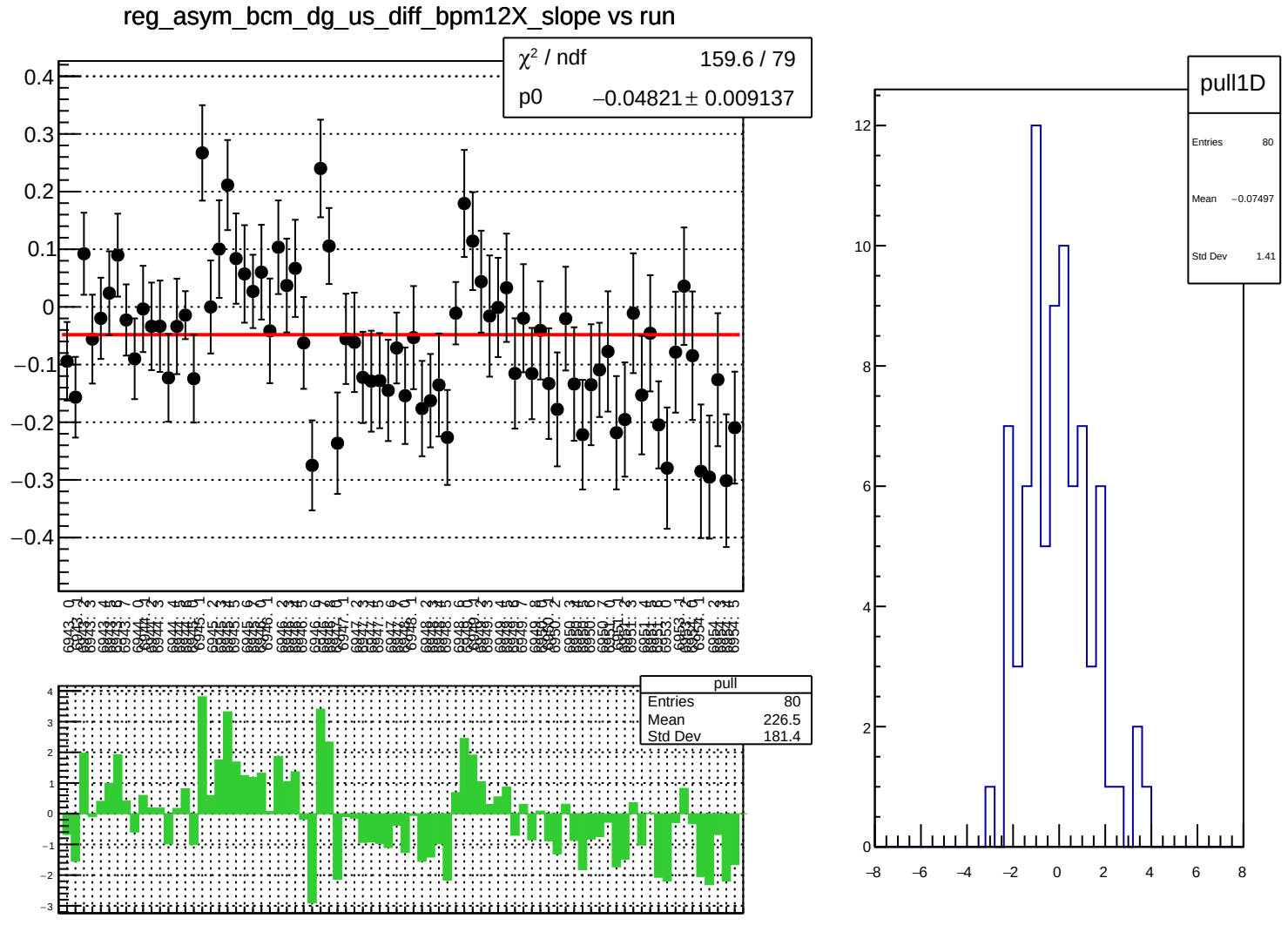

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 222.7 / 79
p0 5.277 ± 0.2012
pull
Entries 80
Mean 204.5
Std Dev 161.6


pull1D
Entries 80
Mean 0.1444
Std Dev 1.662


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1315 / 79
p0 28.99 ± 0.2638
pull
Entries 80
Mean 172.9
Std Dev 130


pull1D
Entries 80
Mean 0.6342
Std Dev 3.814


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 267.3 / 79
p0 −6.867 ± 0.231
pull
Entries 80
Mean 186.6
Std Dev 143.6
pull1D
Entries 80
Mean −0.1818
Std Dev 1.819


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 159.6 / 79
p0 −0.04821 ± 0.009137
pull
Entries 80
Mean 226.5
Std Dev 181.4
pull1D
Entries 80
Mean −0.07497
Std Dev 1.41