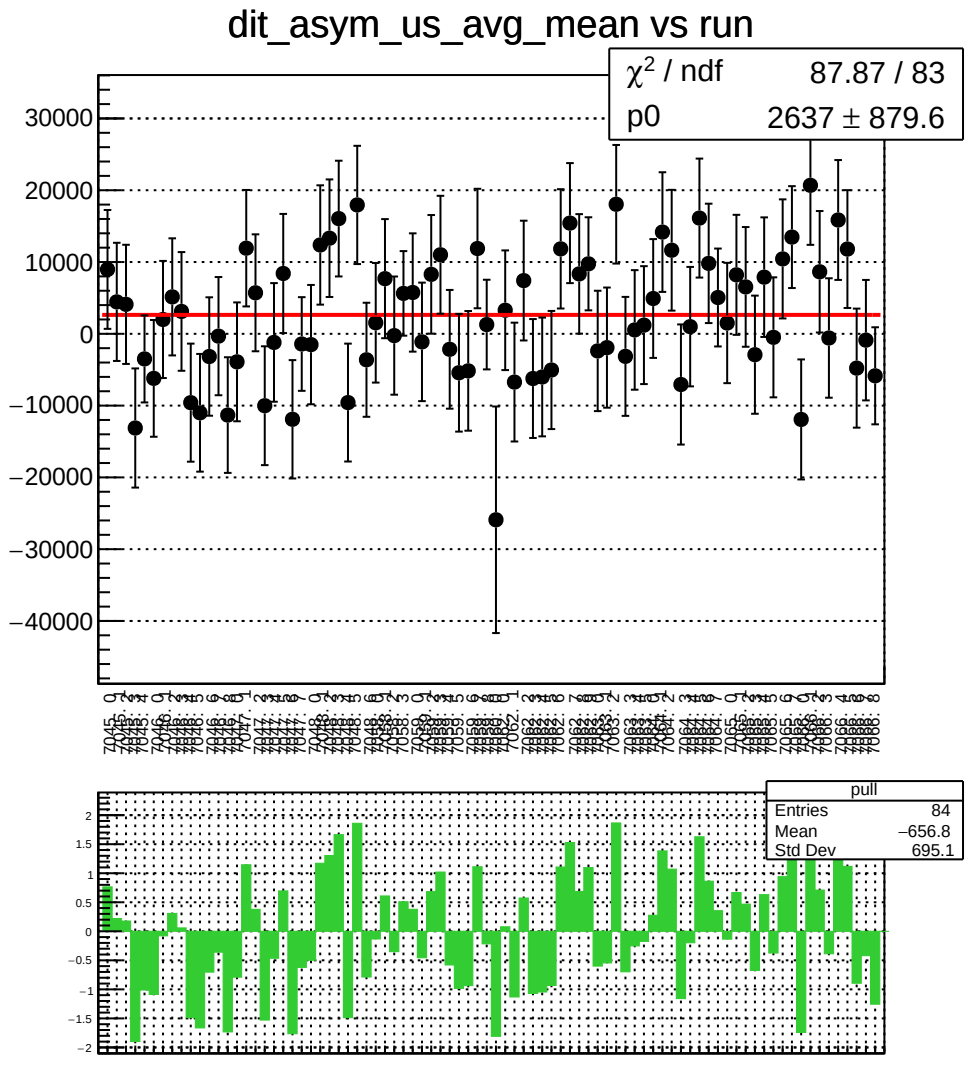
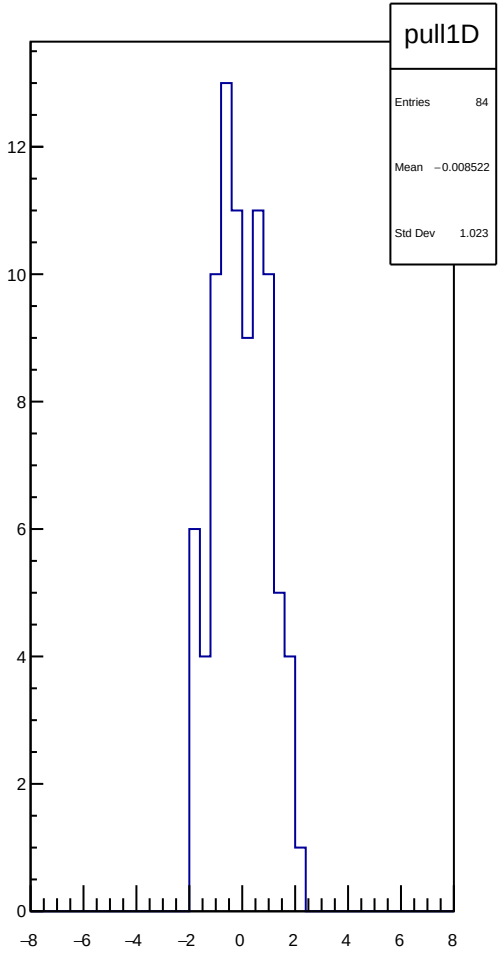
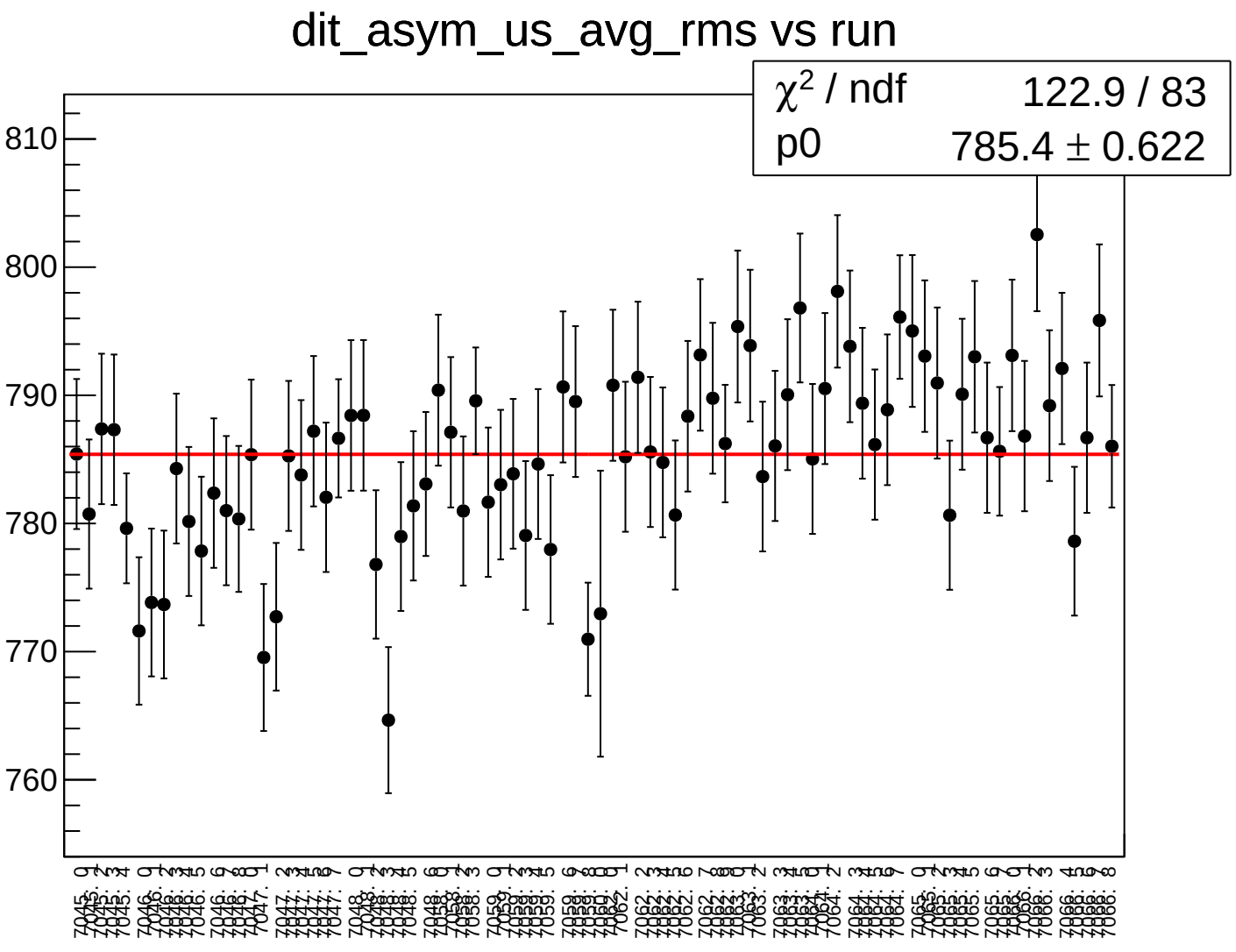
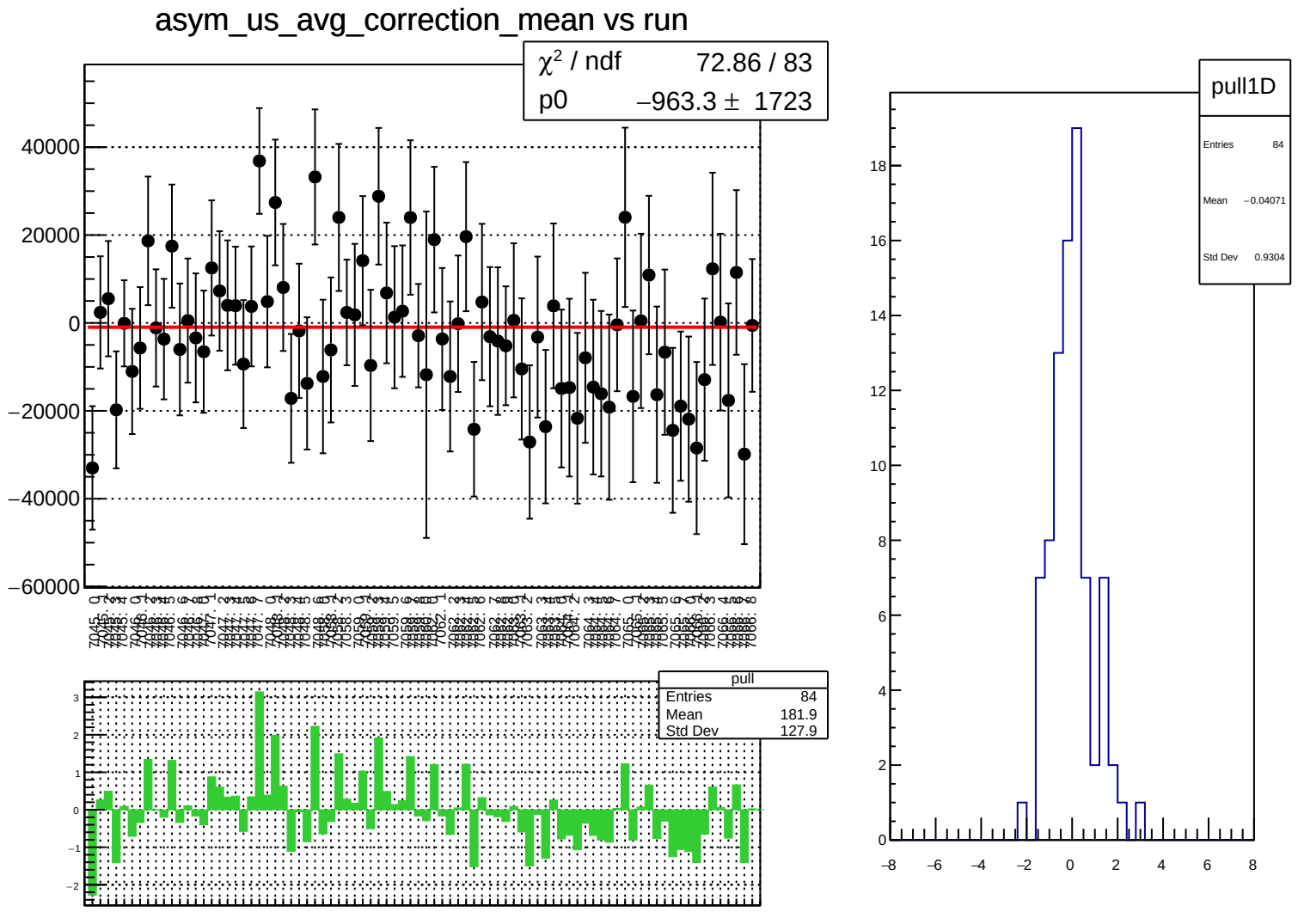
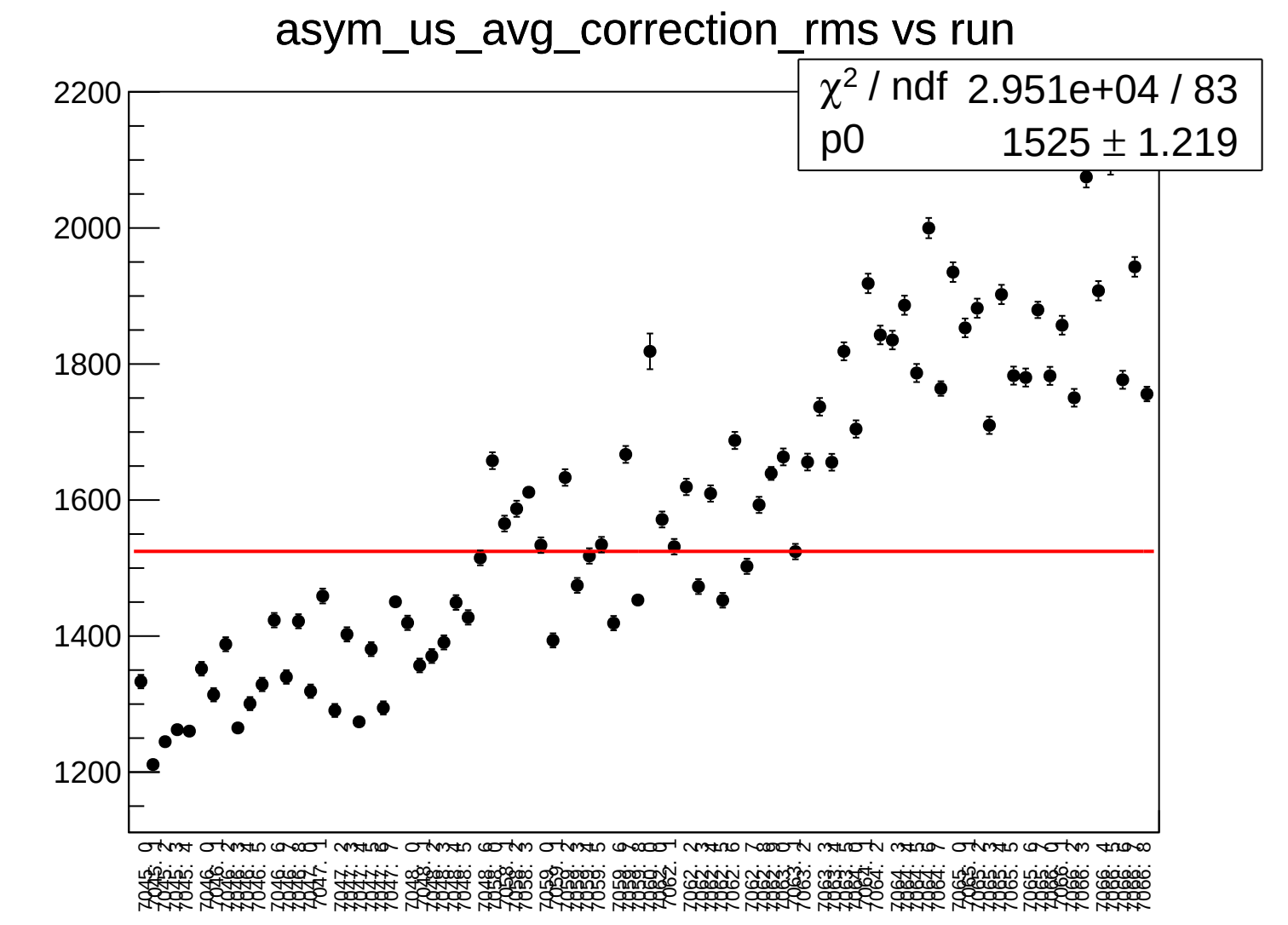
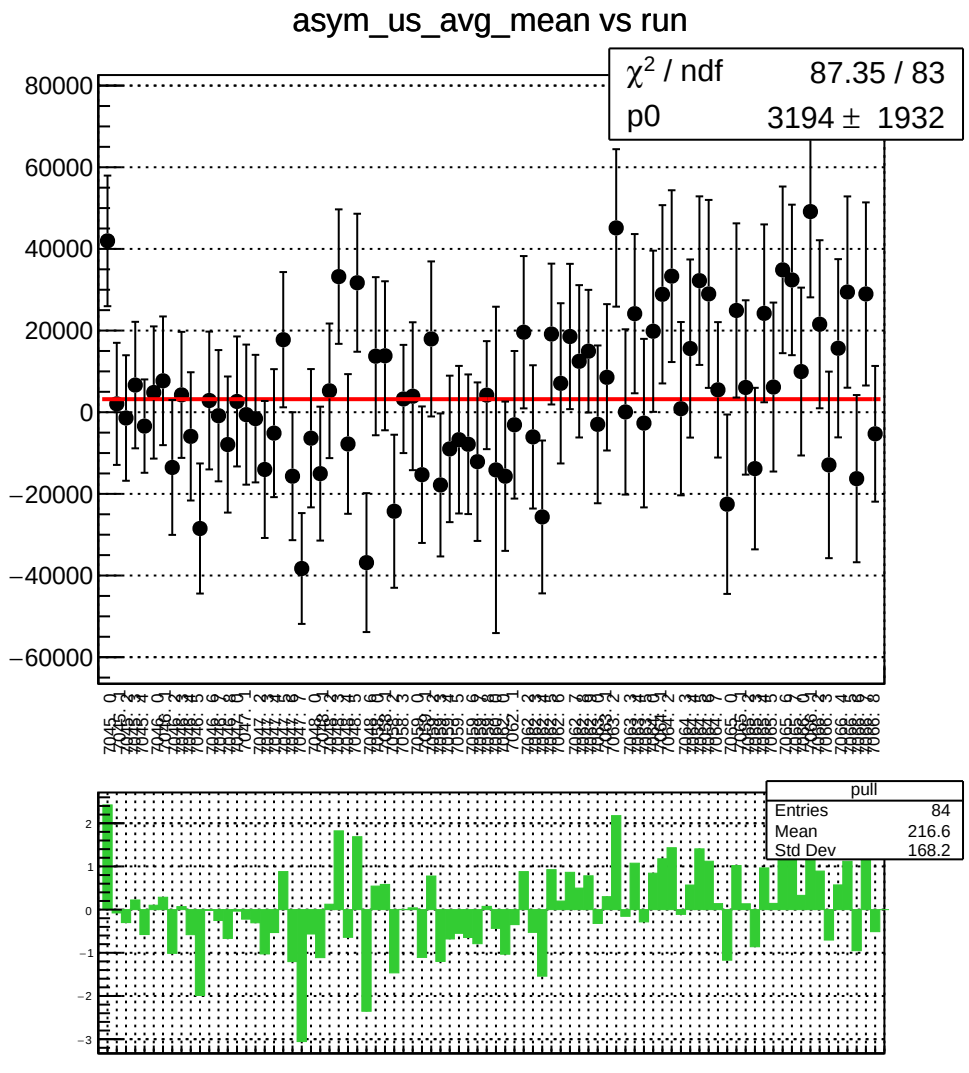

dit_asym_us_avg_mean vs run
χ² / ndf 87.87 / 83
p0 2637 ± 879.6
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean −656.8
Std Dev 695.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

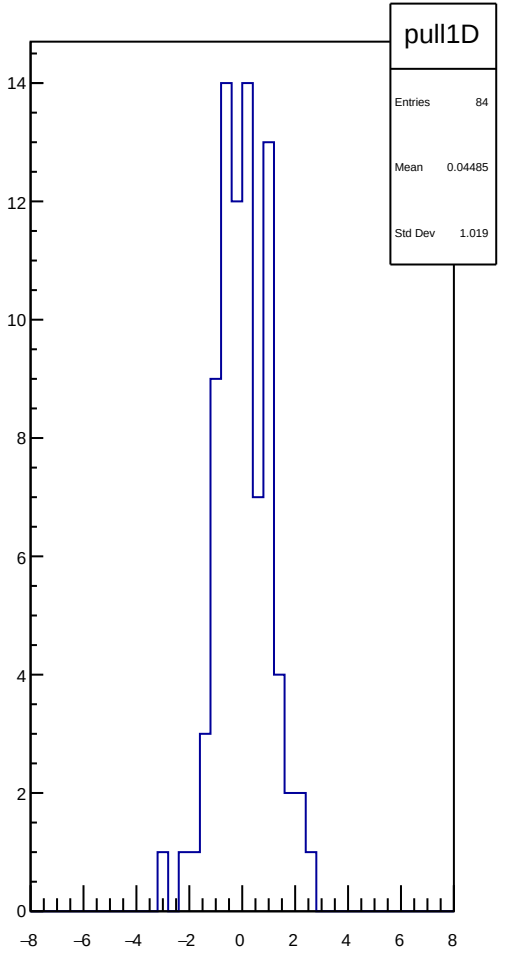

pull1D
Entries 84
Mean −0.008522
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

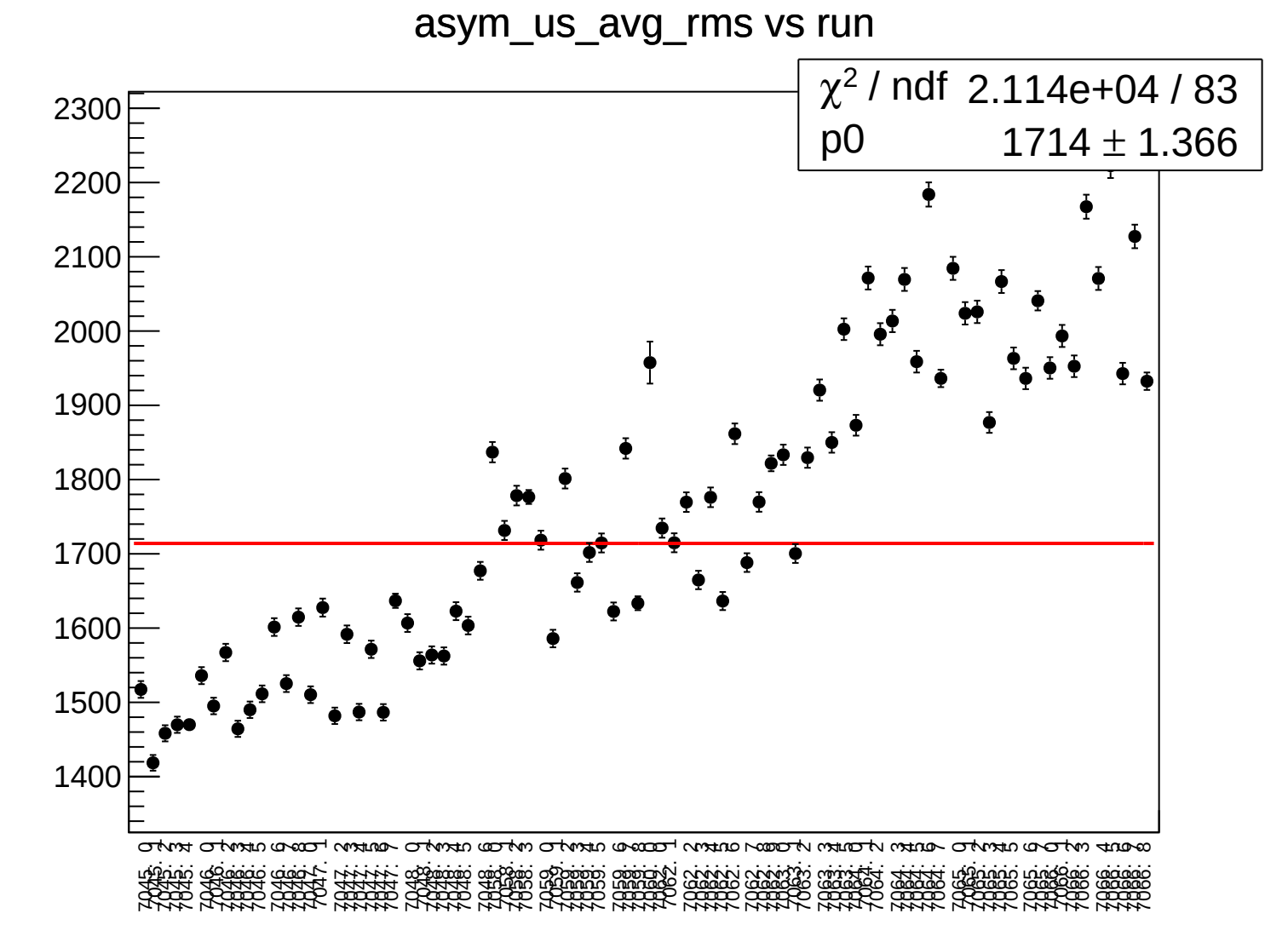

dit_asym_us_avg_rms vs run
χ² / ndf 122.9 / 83
p0 785.4 ± 0.622
810
800
790
780
770
760

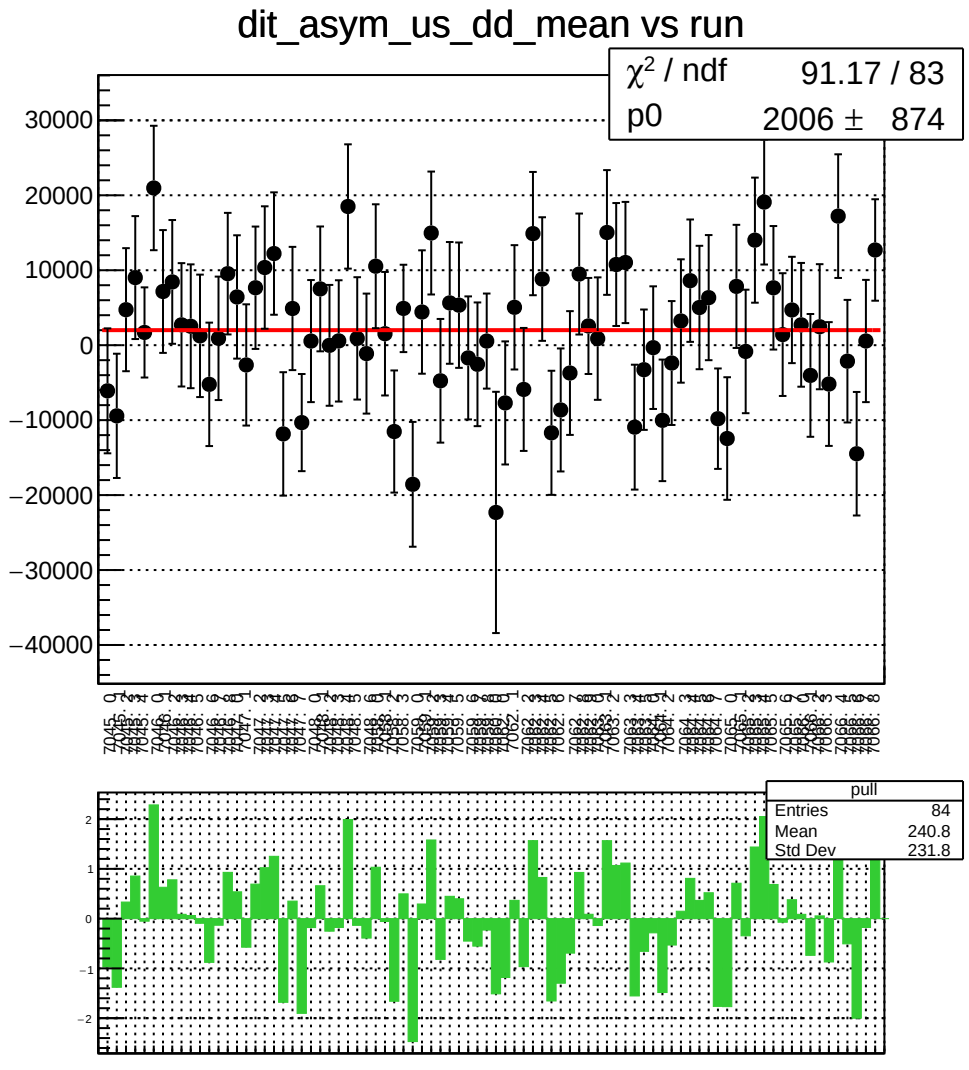

asym_us_avg_correction_mean vs run
χ² / ndf 72.86 / 83
p0 −963.3 ± 1723
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 181.9
Std Dev 127.9
3
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.04071
Std Dev 0.9304
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

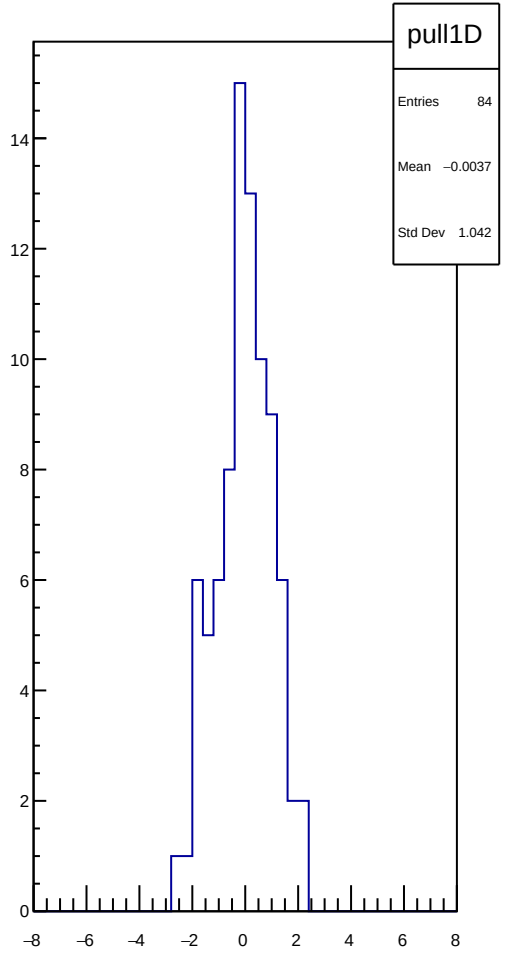

asym_us_avg_correction_rms vs run
χ² / ndf 2.951e+04 / 83
p0 1525 ± 1.219
2200
2000
1800
1600
1400
1200

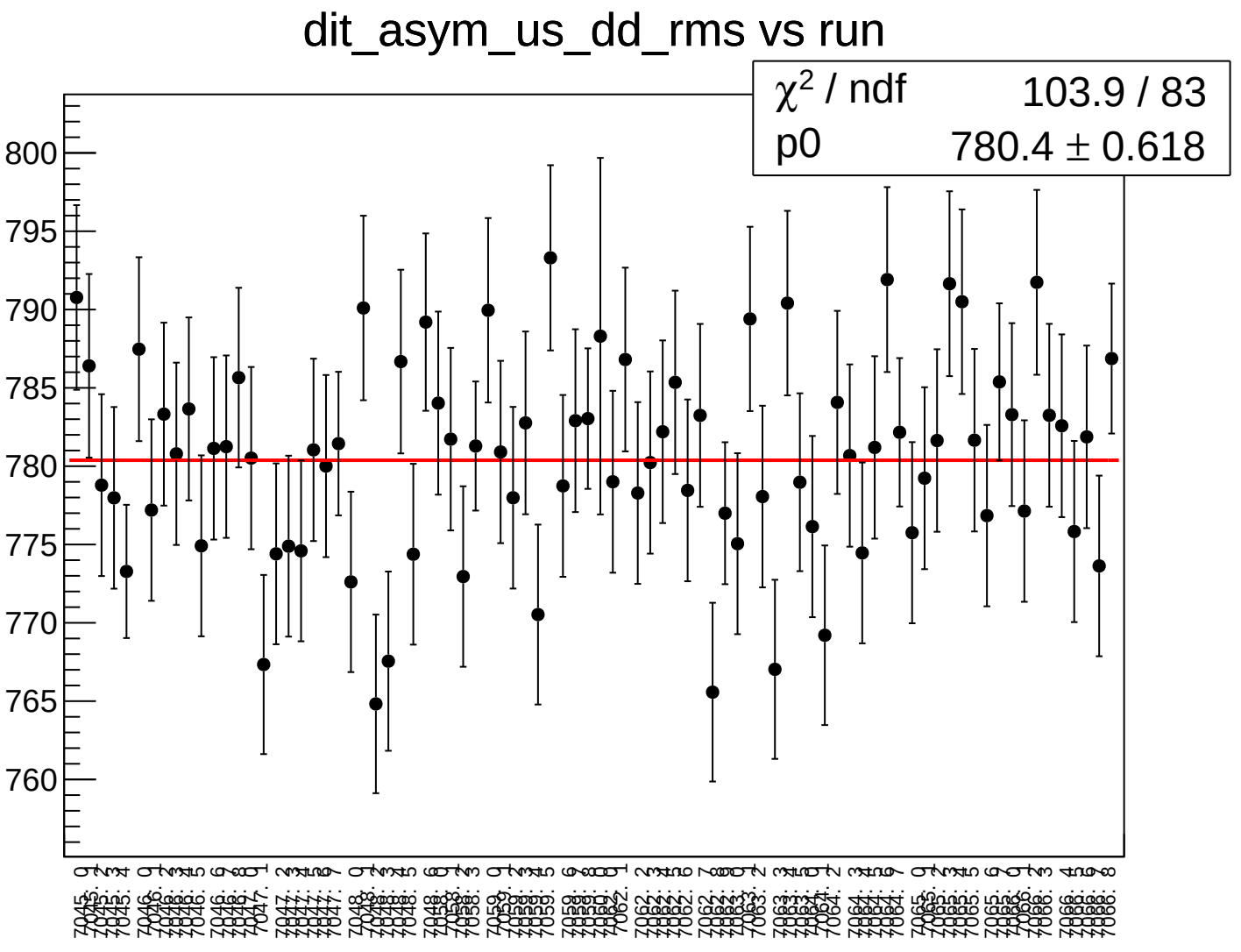

asym_us_avg_mean vs run
χ² / ndf 87.35 / 83
p0 3194 ± 1932
pull
Entries 84
Mean 216.6
Std Dev 168.2

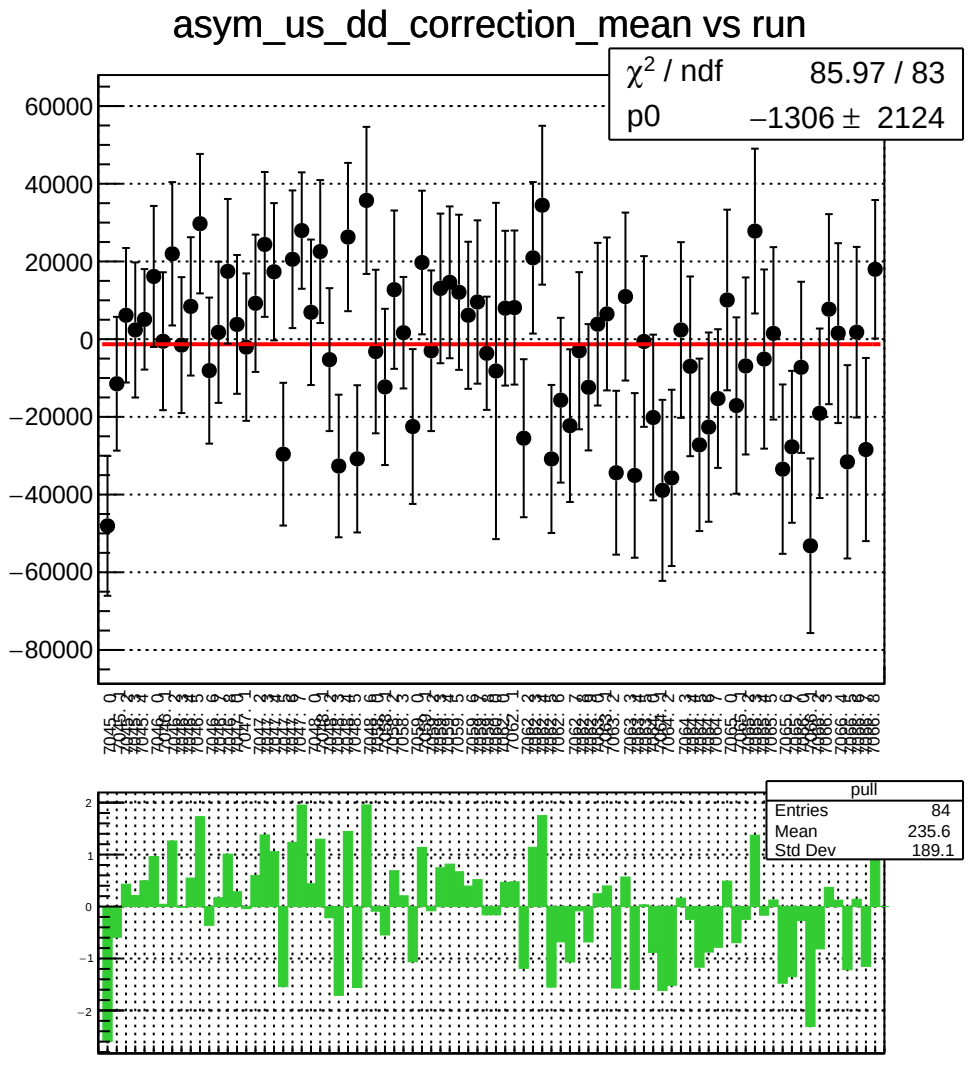

pull1D
Entries 84
Mean 0.04485
Std Dev 1.019

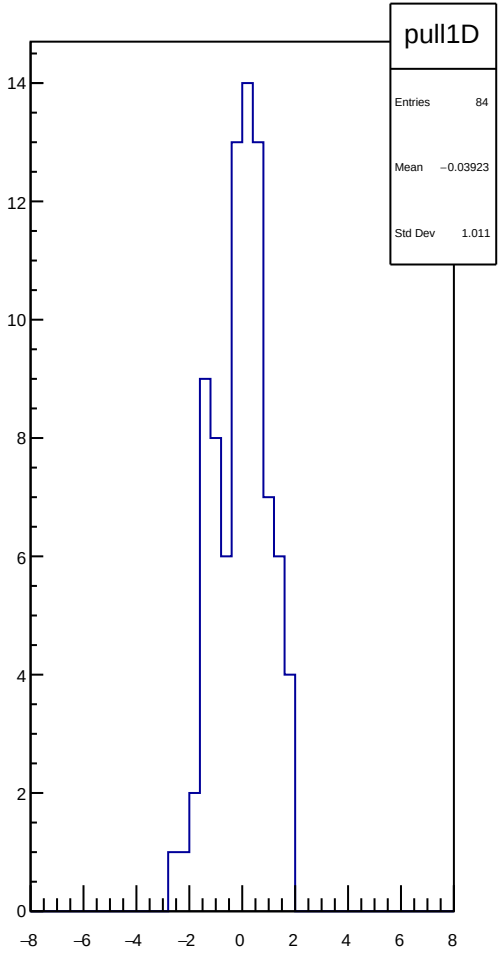

asym_us_avg_rms vs run
χ² / ndf 2.114e+04 / 83
p0 1714 ± 1.366
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400

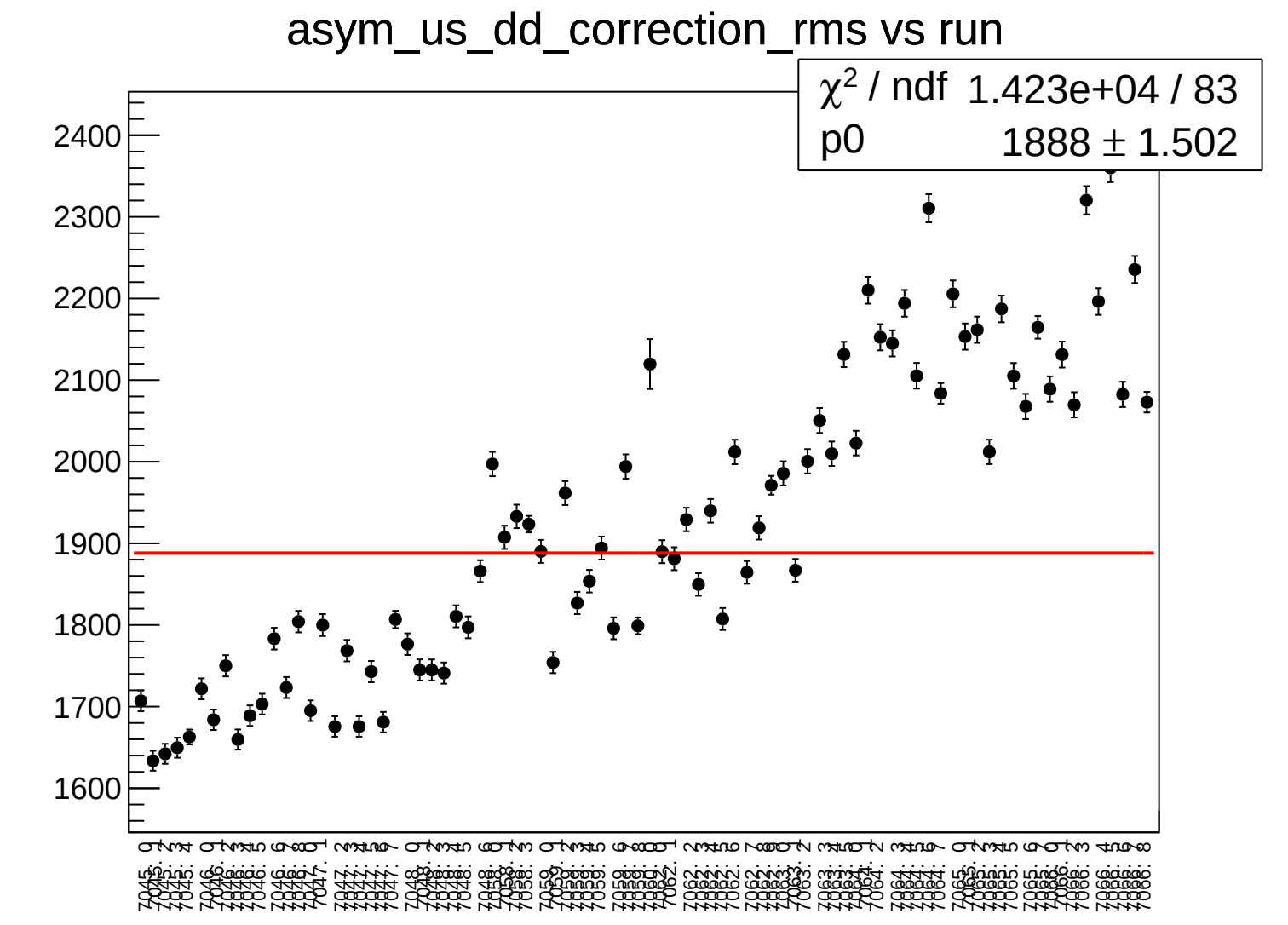

dit_asym_us_dd_mean vs run
χ² / ndf 91.17 / 83
p0 2006 ± 874
pull
Entries 84
Mean 240.8
Std Dev 231.8

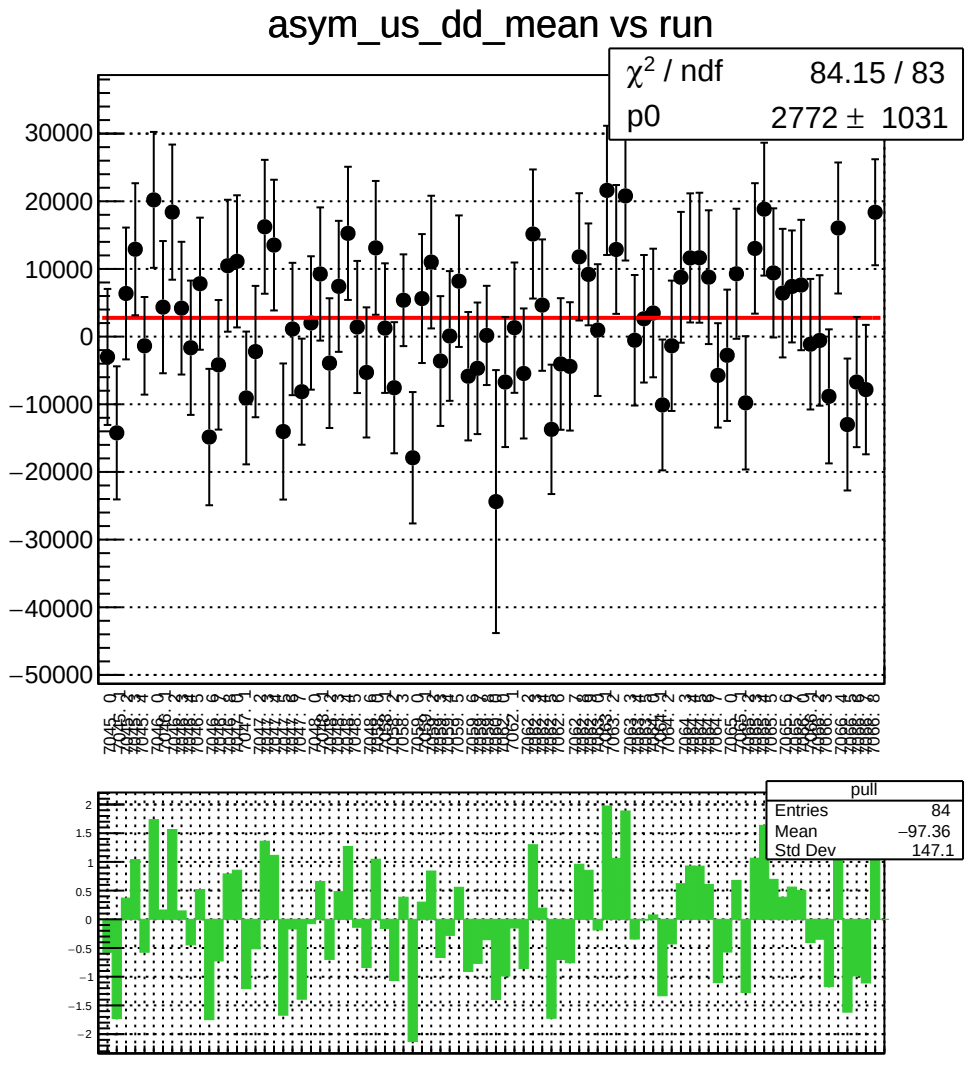

pull1D
Entries 84
Mean −0.0037
Std Dev 1.042

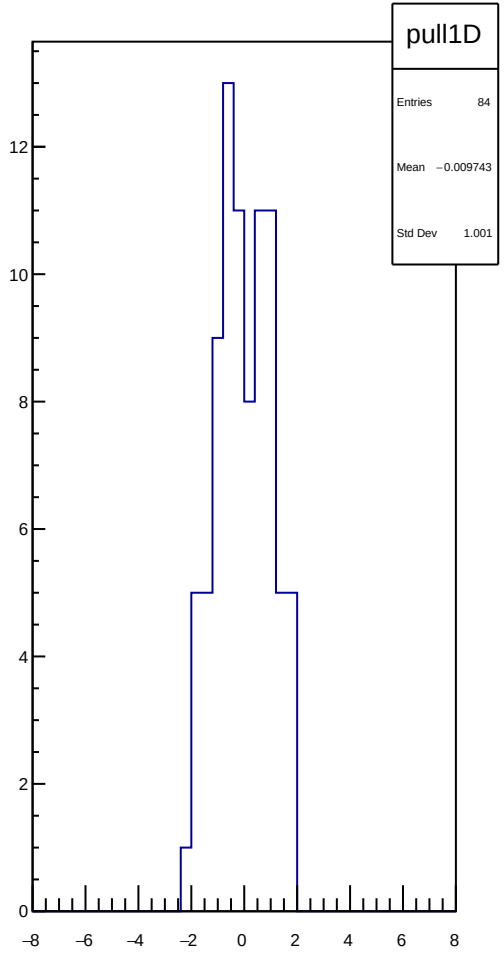

dit_asym_us_dd_rms vs run
χ² / ndf 103.9 / 83
p0 780.4 ± 0.618
800
795
790
785
780
775
770
765
760

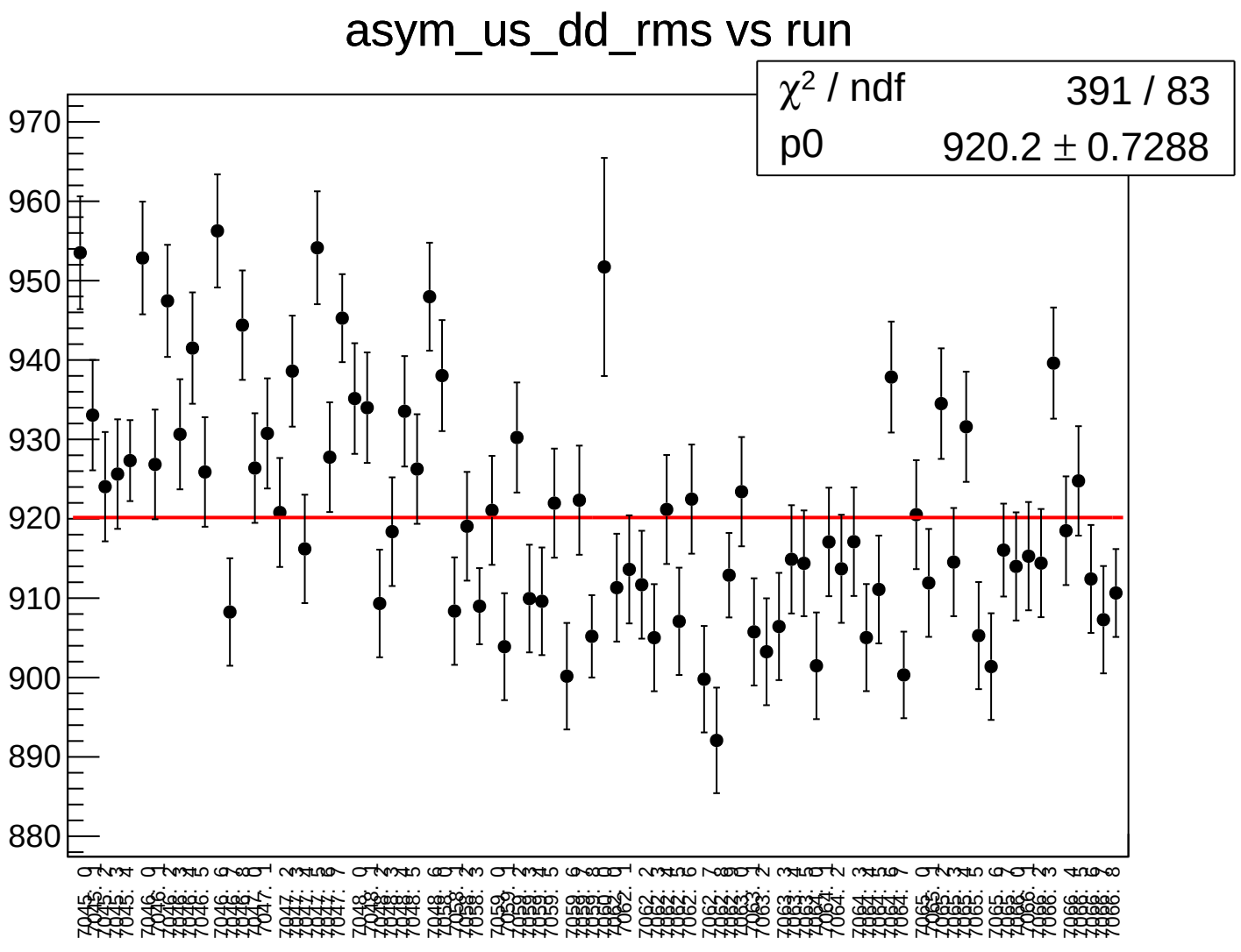

asym_us_dd_correction_mean vs run
χ² / ndf 85.97 / 83
p0 −1306 ± 2124
pull
Entries 84
Mean 235.6
Std Dev 189.1

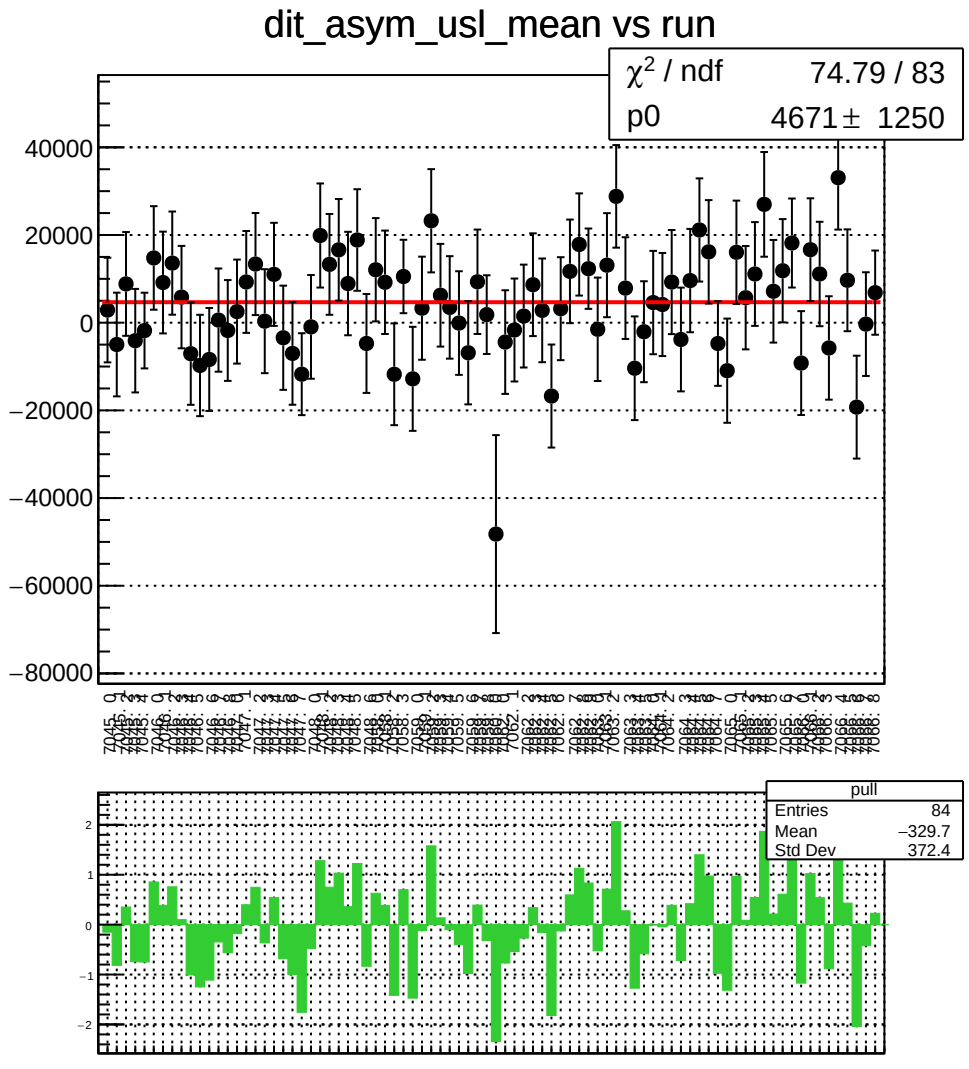

pull1D
Entries 84
Mean −0.03923
Std Dev 1.011

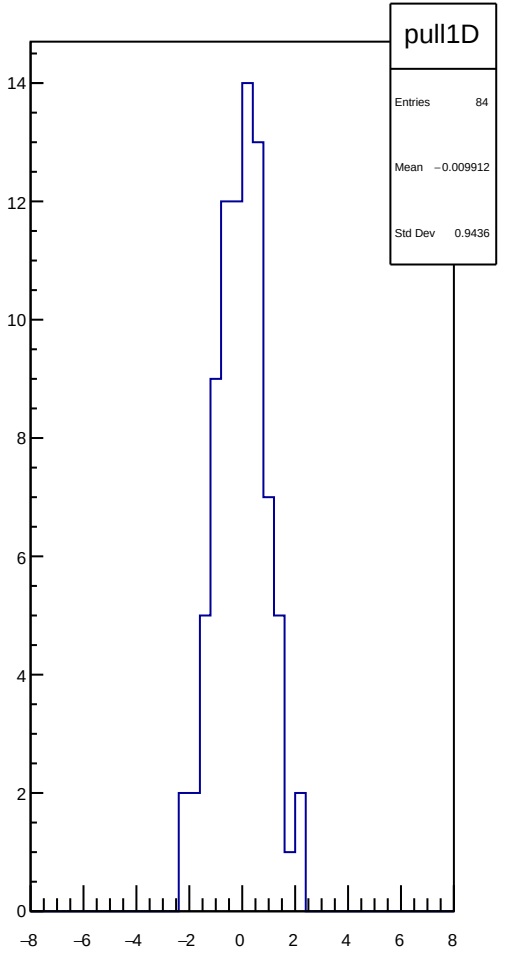

asym_us_dd_correction_rms vs run
χ² / ndf 1.423e+04 / 83
p0 1888 ± 1.502
2400
2300
2200
2100
2000
1900
1800
1700
1600

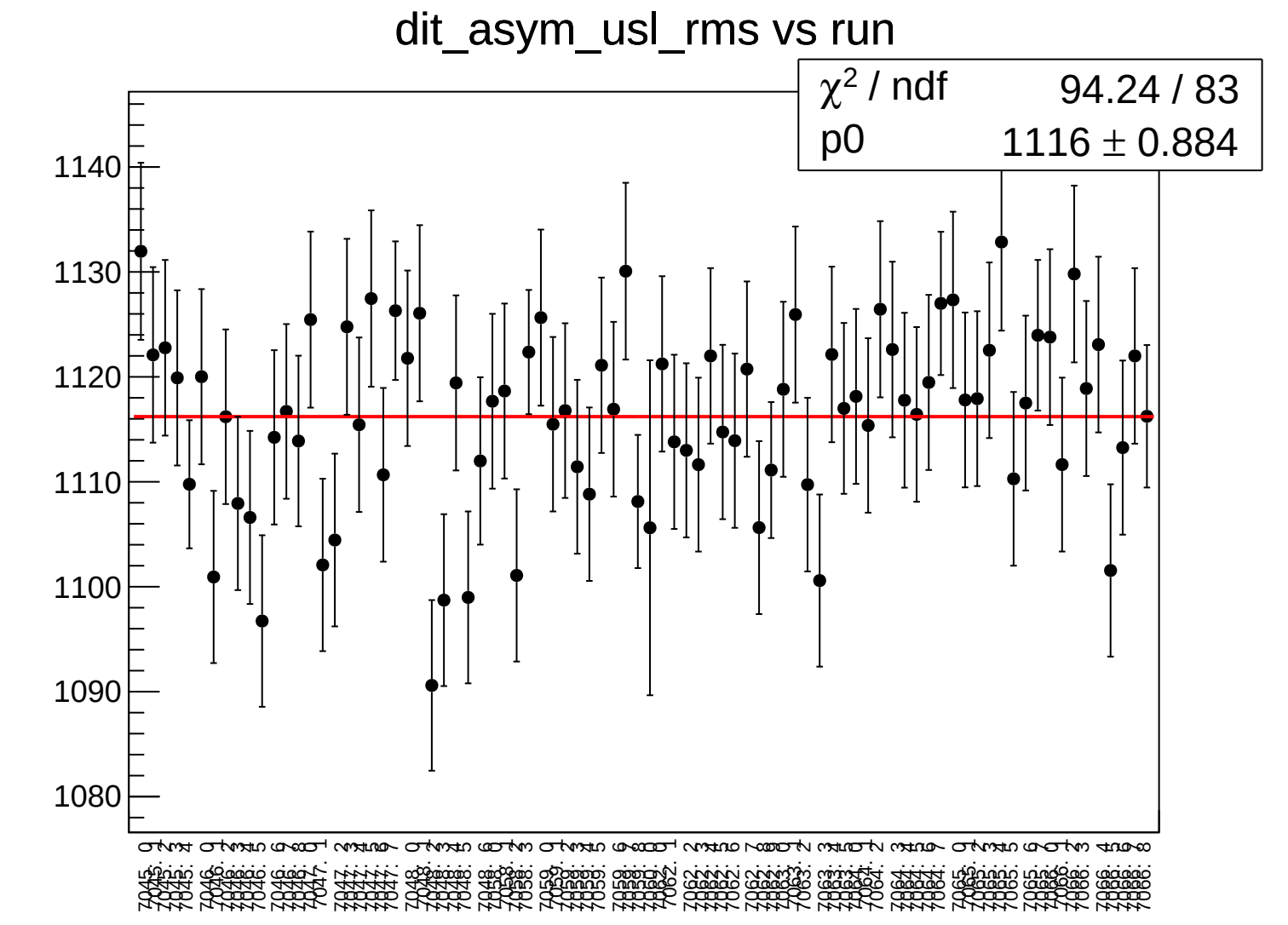

asym_us_dd_mean vs run
χ² / ndf 84.15 / 83
p0 2772 ± 1031
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 84
Mean −97.36
Std Dev 147.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

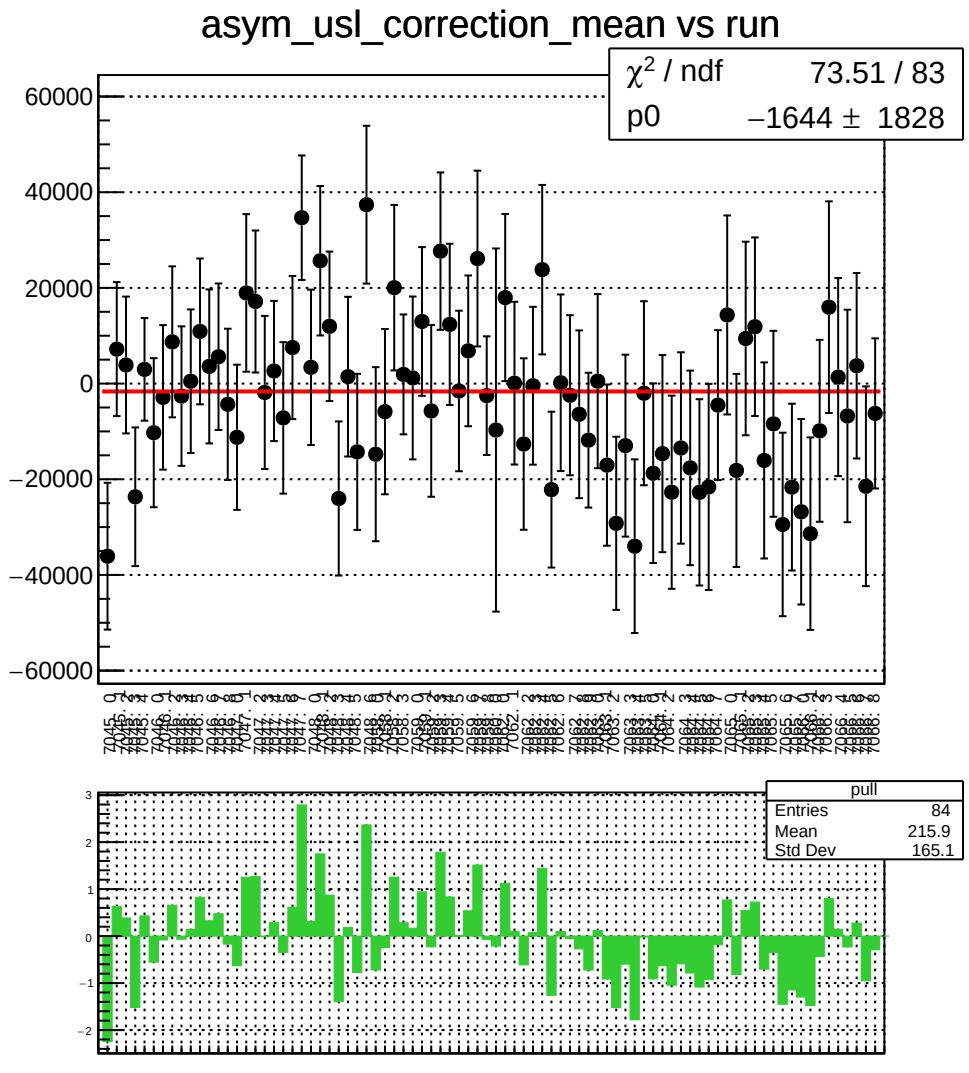

pull1D
Entries 84
Mean −0.009743
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

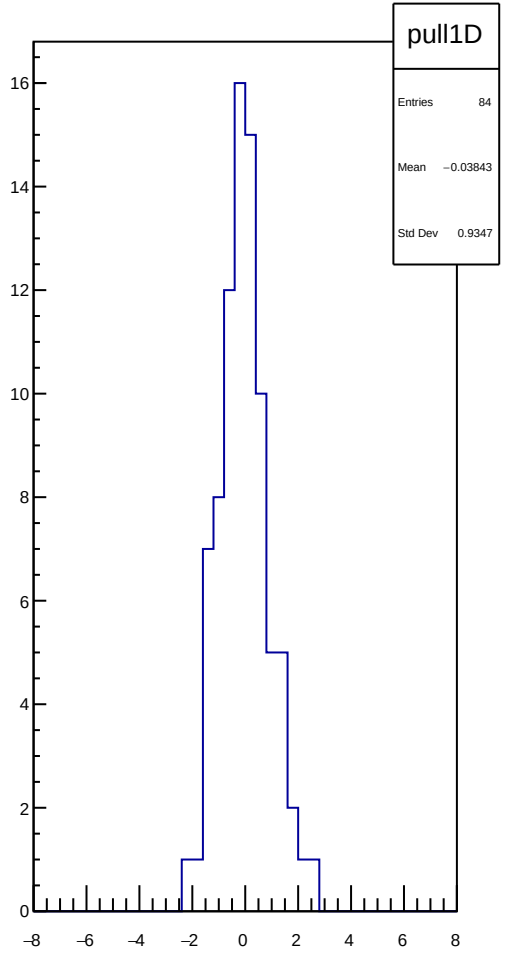

asym_us_dd_rms vs run
χ^2 / ndf 391 / 83
p0 920.2 ± 0.7288
970
960
950
940
930
920
910
900
890
880

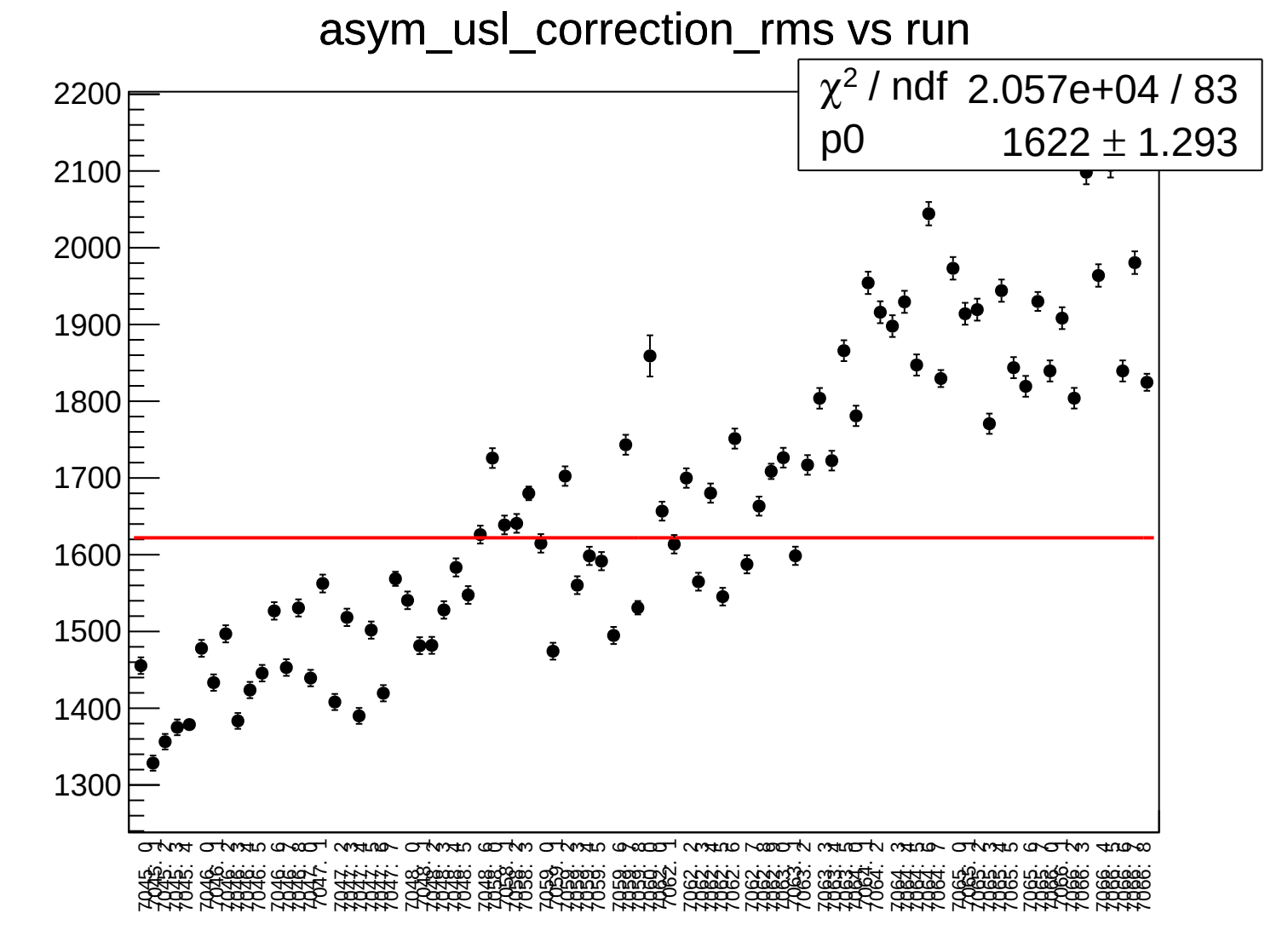

dit_asym_usl_mean vs run
χ² / ndf 74.79 / 83
p0 4671 ± 1250
pull
Entries 84
Mean −329.7
Std Dev 372.4

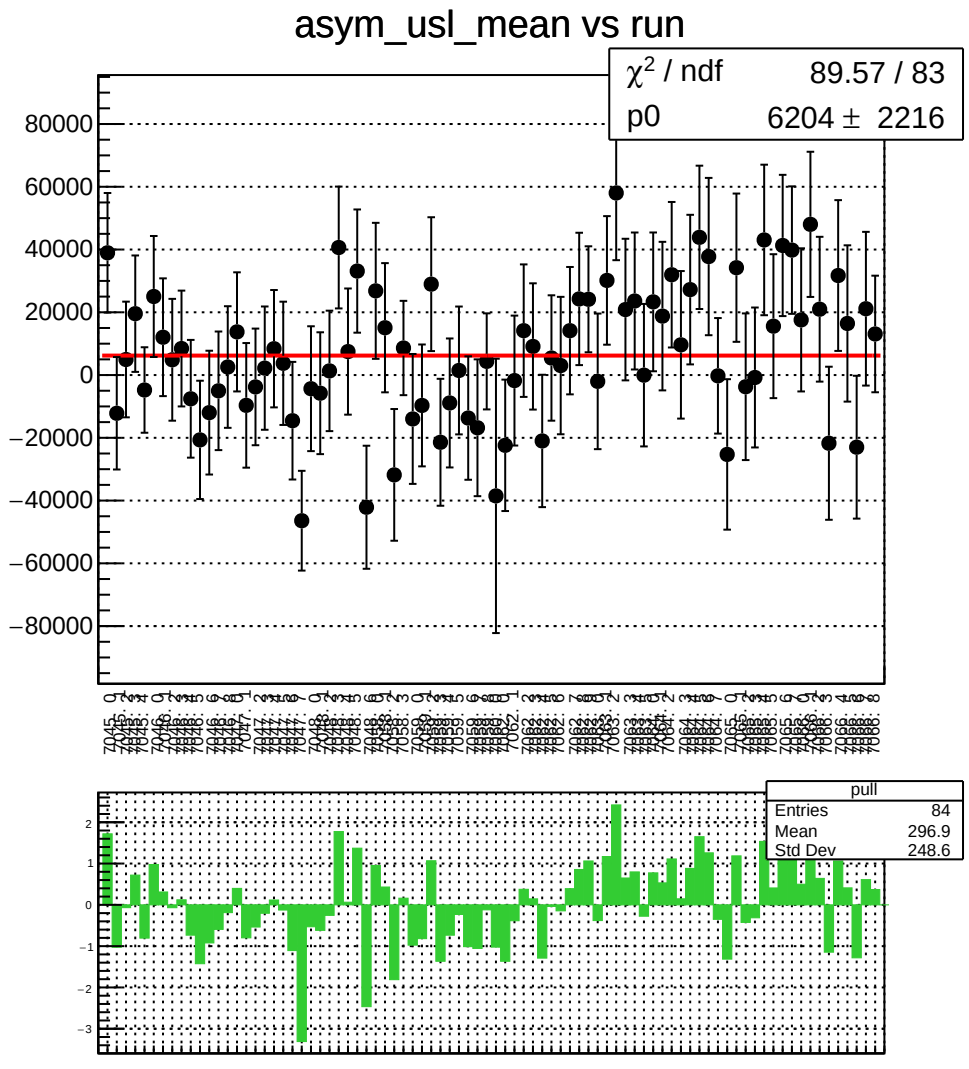

pull1D
Entries 84
Mean −0.009912
Std Dev 0.9436

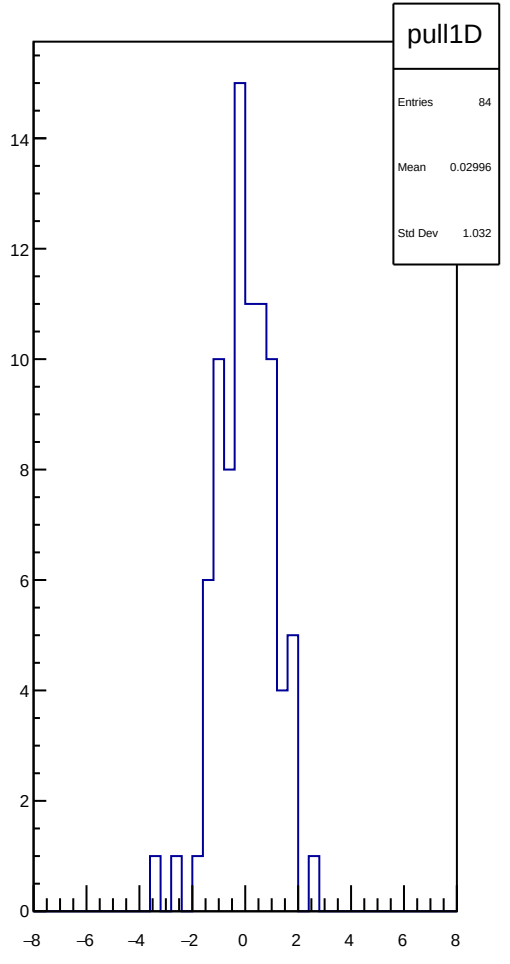

dit_asym_usl_rms vs run
χ^2 / ndf 94.24 / 83
p0 1116 ± 0.884
1140
1130
1120
1110
1100
1090
1080

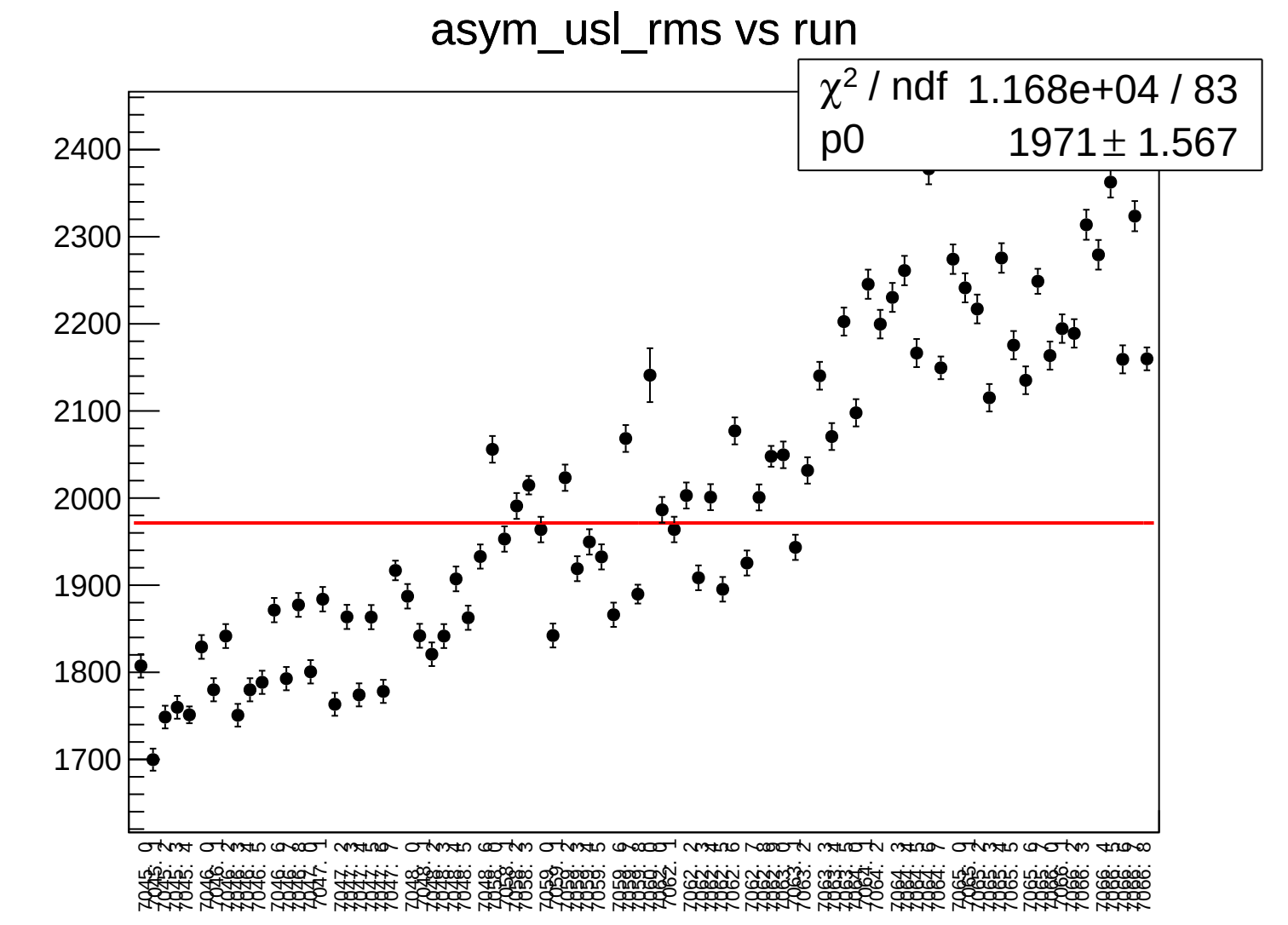

asym_usl_correction_mean vs run
χ² / ndf 73.51 / 83
p0 −1644 ± 1828
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 215.9
Std Dev 165.1
3
2
1
0
−1
−2

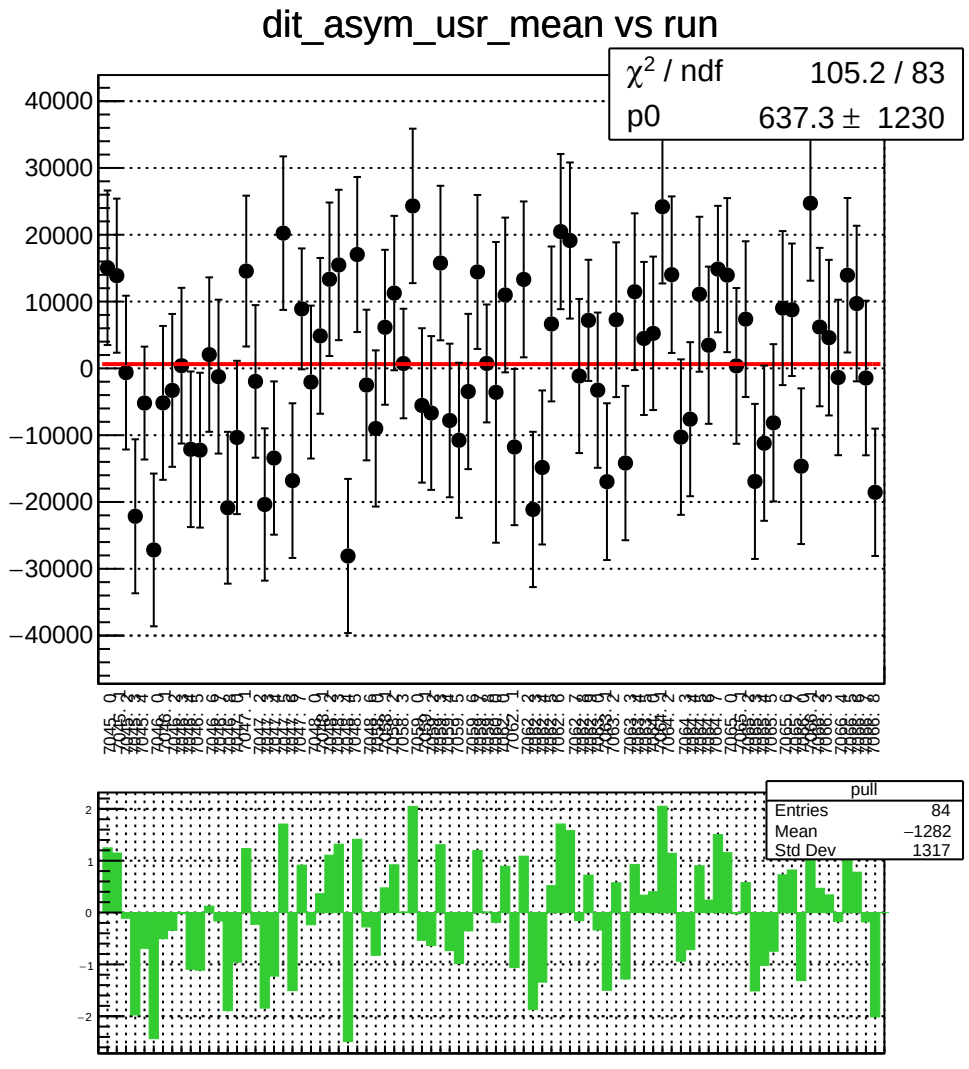

pull1D
Entries 84
Mean −0.03843
Std Dev 0.9347
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

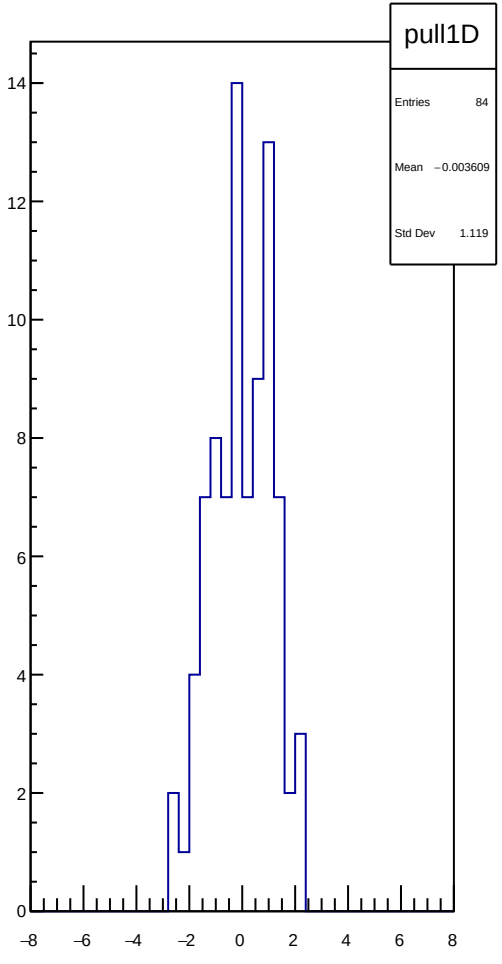

asym_usl_correction_rms vs run
χ² / ndf 2.057e+04 / 83
p0 1622 ± 1.293
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300

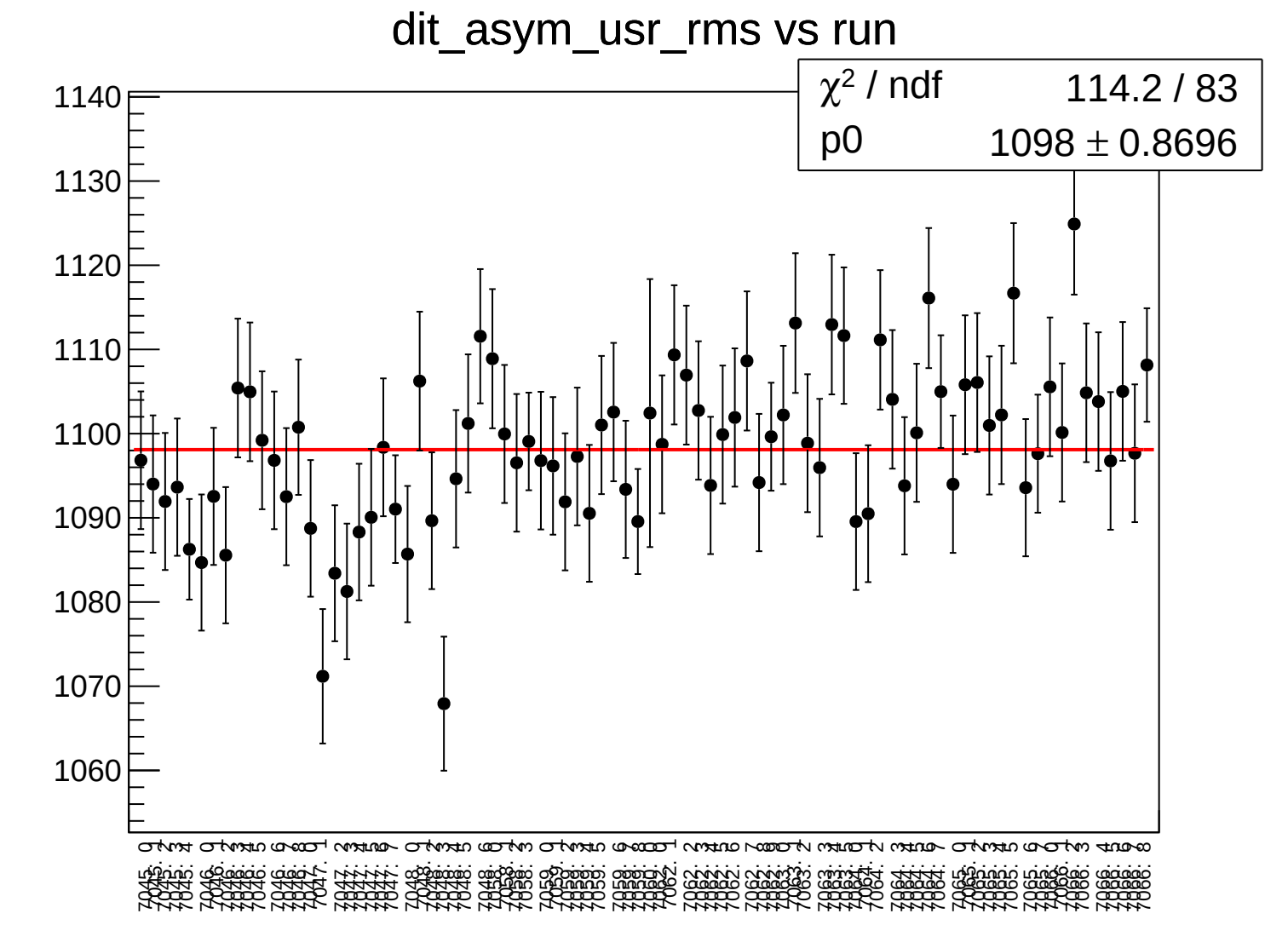

asym_usl_mean vs run
χ² / ndf 89.57 / 83
p0 6204 ± 2216
pull
Entries 84
Mean 296.9
Std Dev 248.6

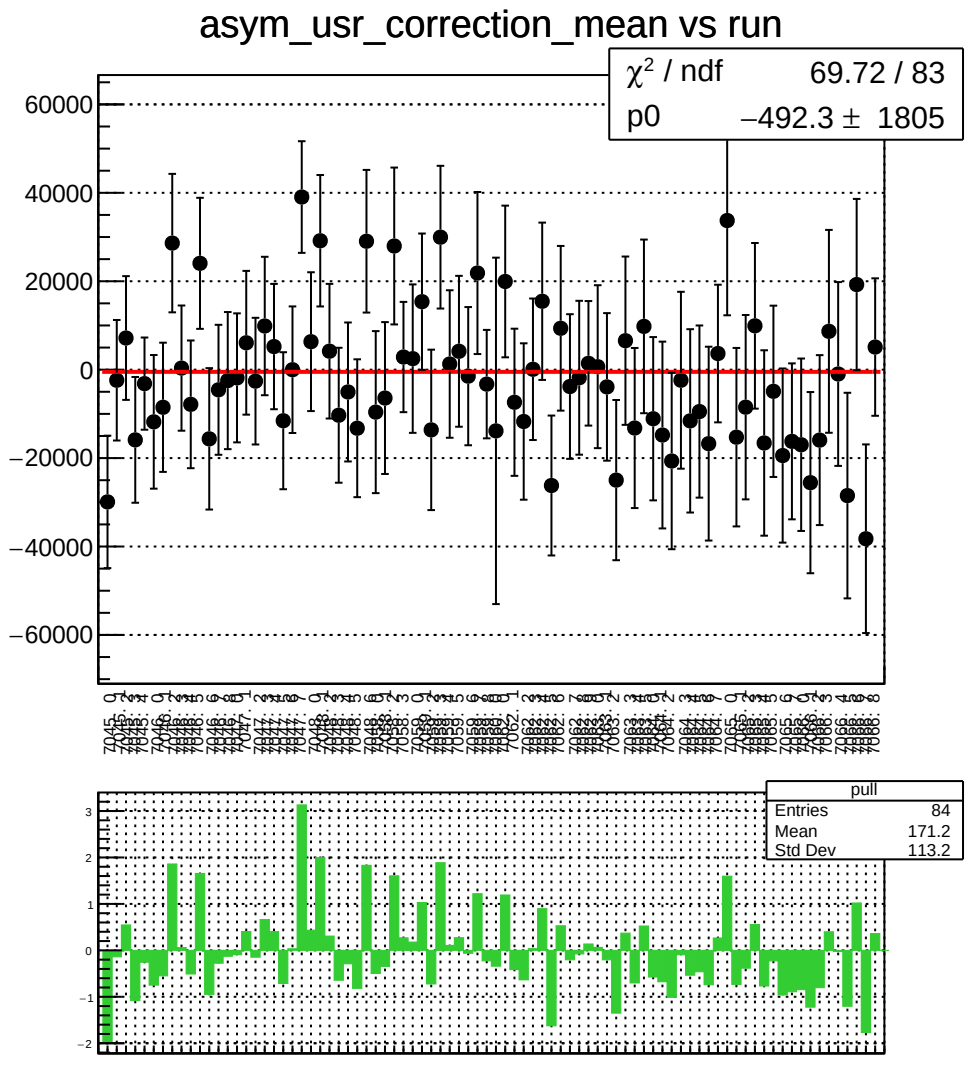

pull1D
Entries 84
Mean 0.02996
Std Dev 1.032

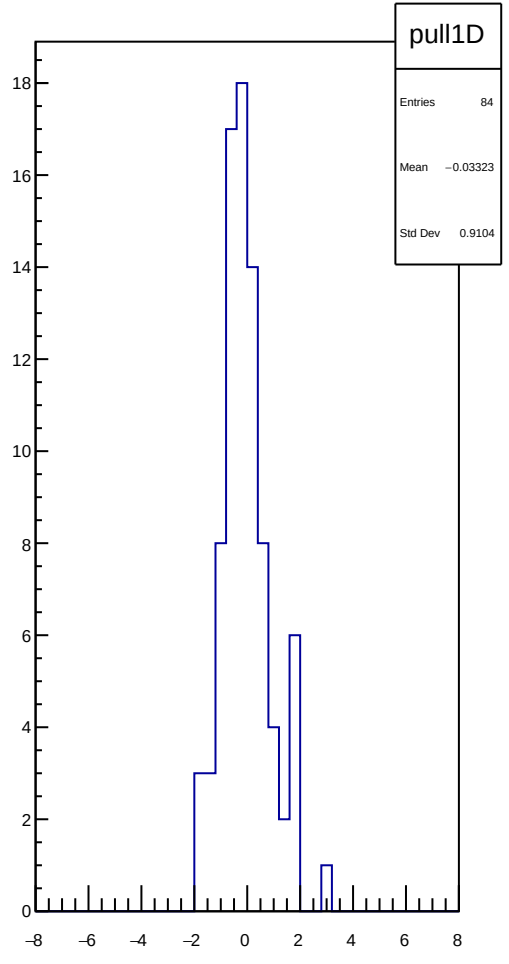

asym_usl_rms vs run
χ² / ndf 1.168e+04 / 83
p0 1971 ± 1.567
2400
2300
2200
2100
2000
1900
1800
1700

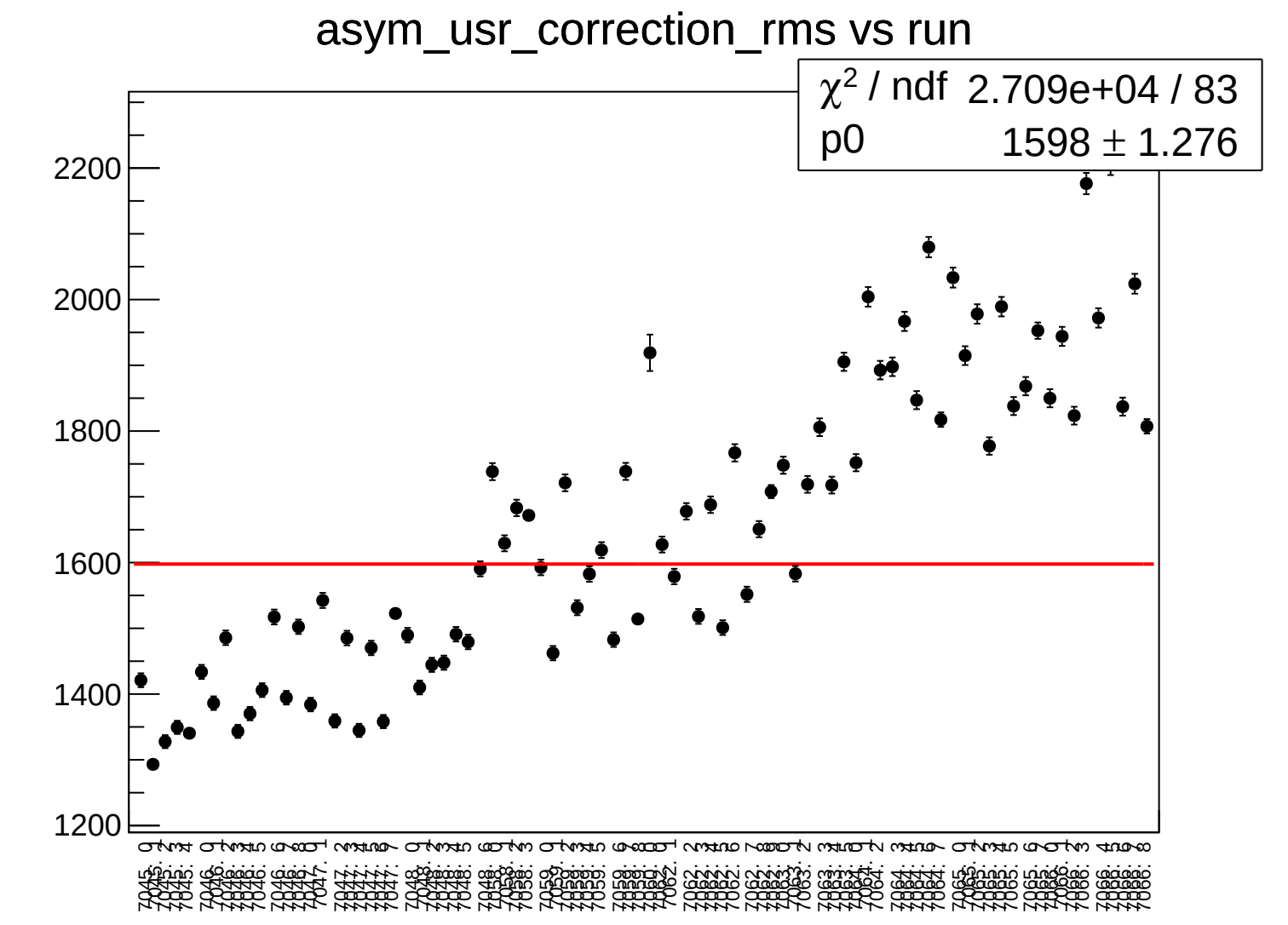

dit_asym_usr_mean vs run
χ² / ndf 105.2 / 83
p0 637.3 ± 1230
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean −1282
Std Dev 1317
2
1
0
−1
−2

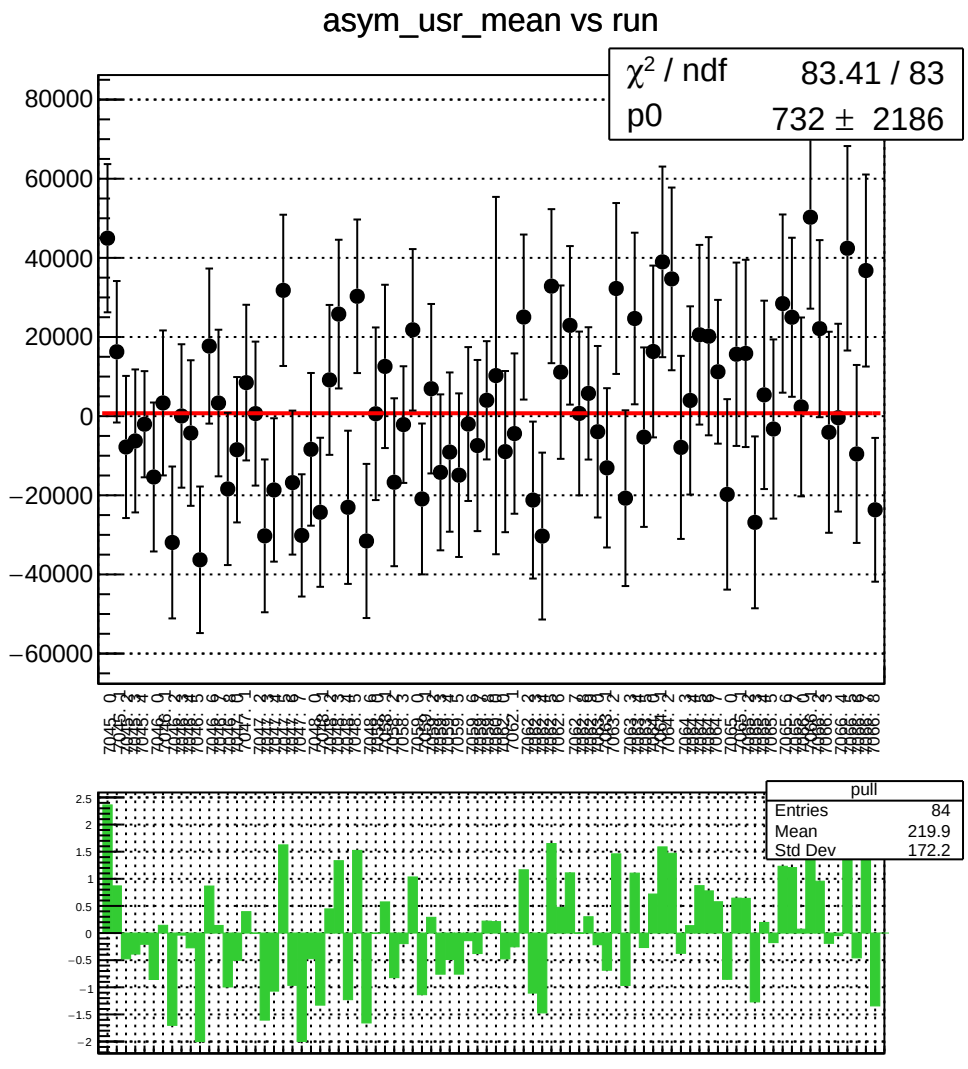

pull1D
Entries 84
Mean −0.003609
Std Dev 1.119
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

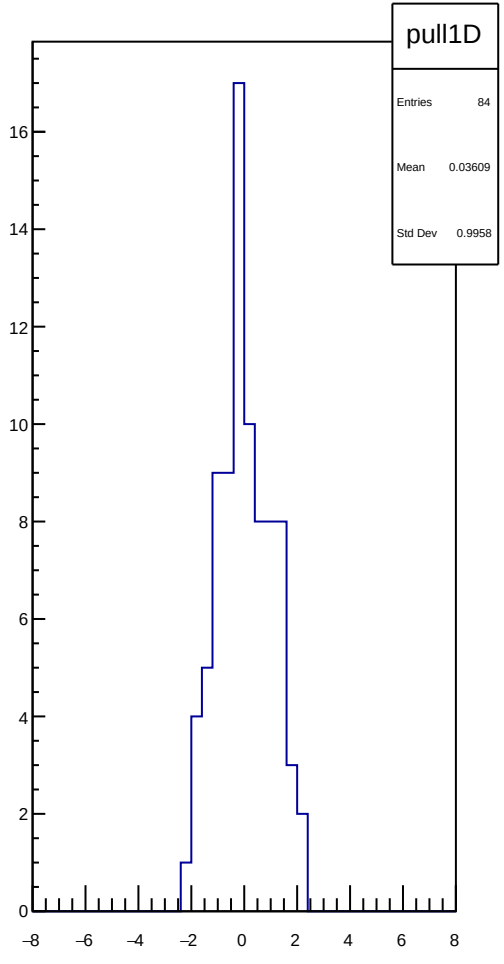

dit_asym_usr_rms vs run
χ² / ndf 114.2 / 83
p0 1098 ± 0.8696
1140
1130
1120
1110
1100
1090
1080
1070
1060

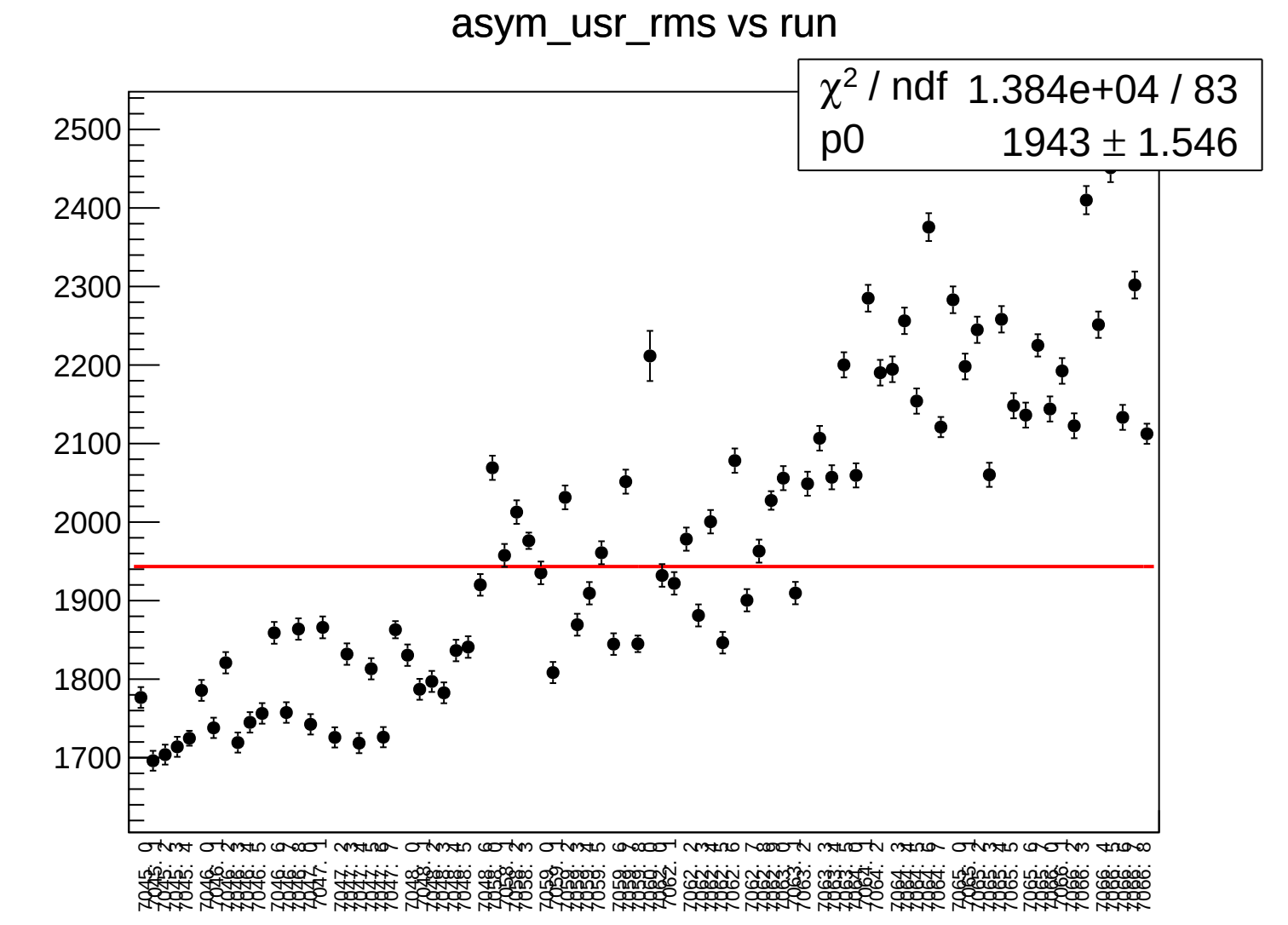

asym_usr_correction_mean vs run
χ² / ndf 69.72 / 83
p0 −492.3 ± 1805
pull
Entries 84
Mean 171.2
Std Dev 113.2

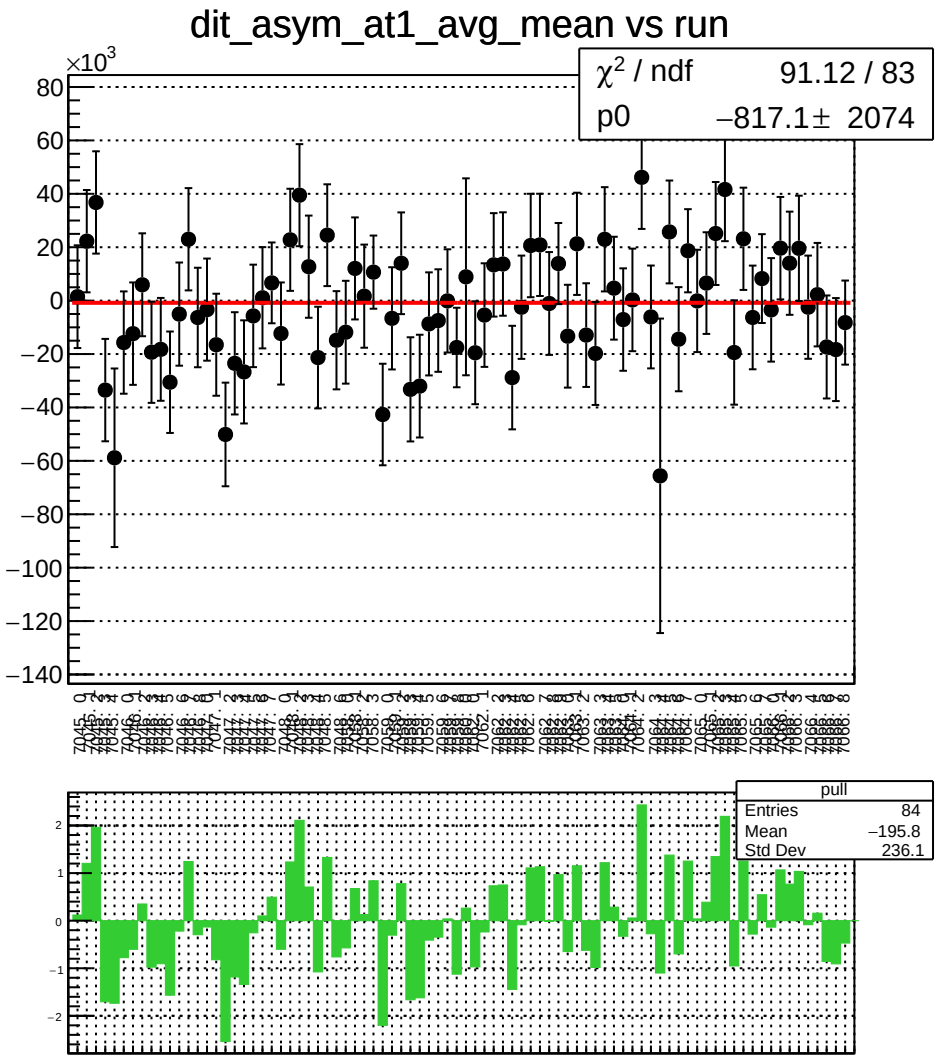

pull1D
Entries 84
Mean −0.03323
Std Dev 0.9104

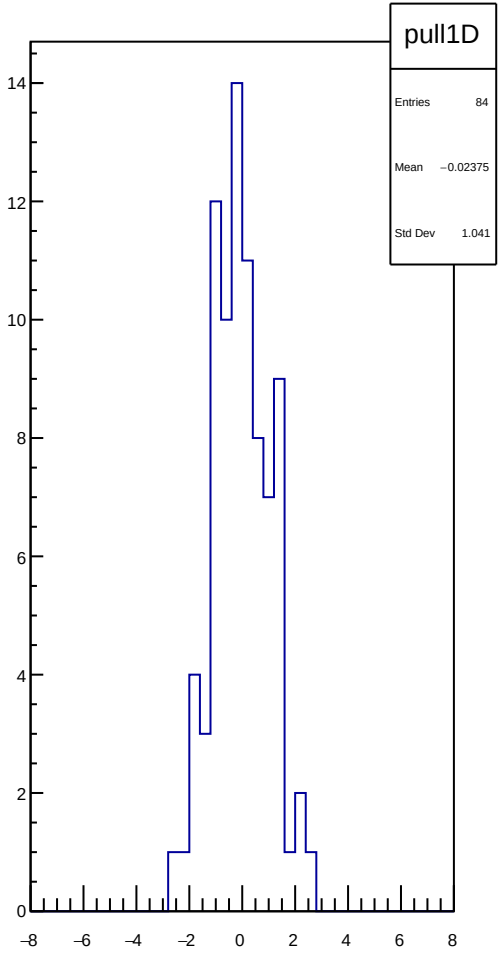

asym_usr_correction_rms vs run
χ² / ndf 2.709e+04 / 83
p0 1598 ± 1.276
2200
2000
1800
1600
1400
1200

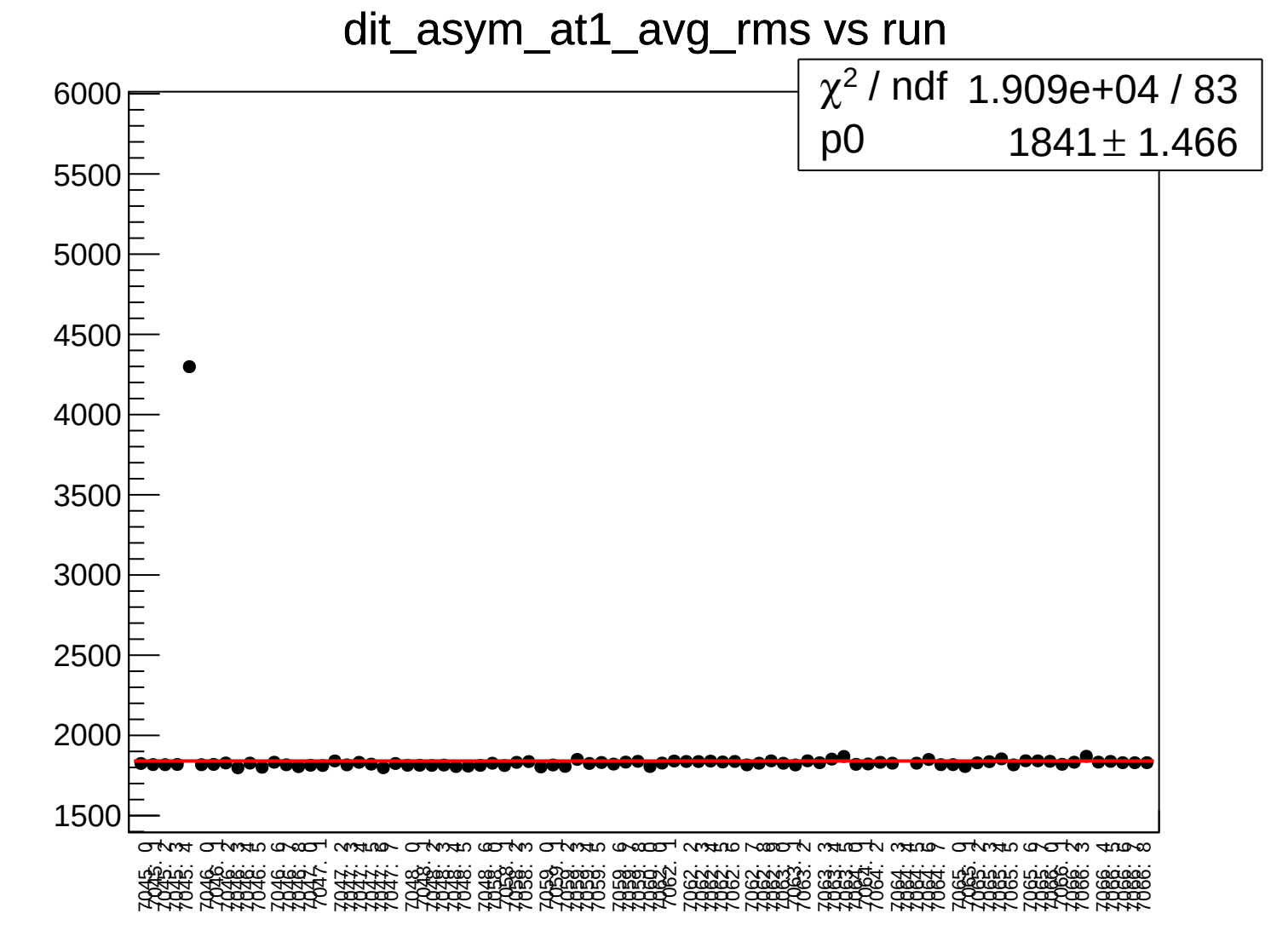

asym_usr_mean vs run
χ² / ndf 83.41 / 83
p0 732 ± 2186
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 219.9
Std Dev 172.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

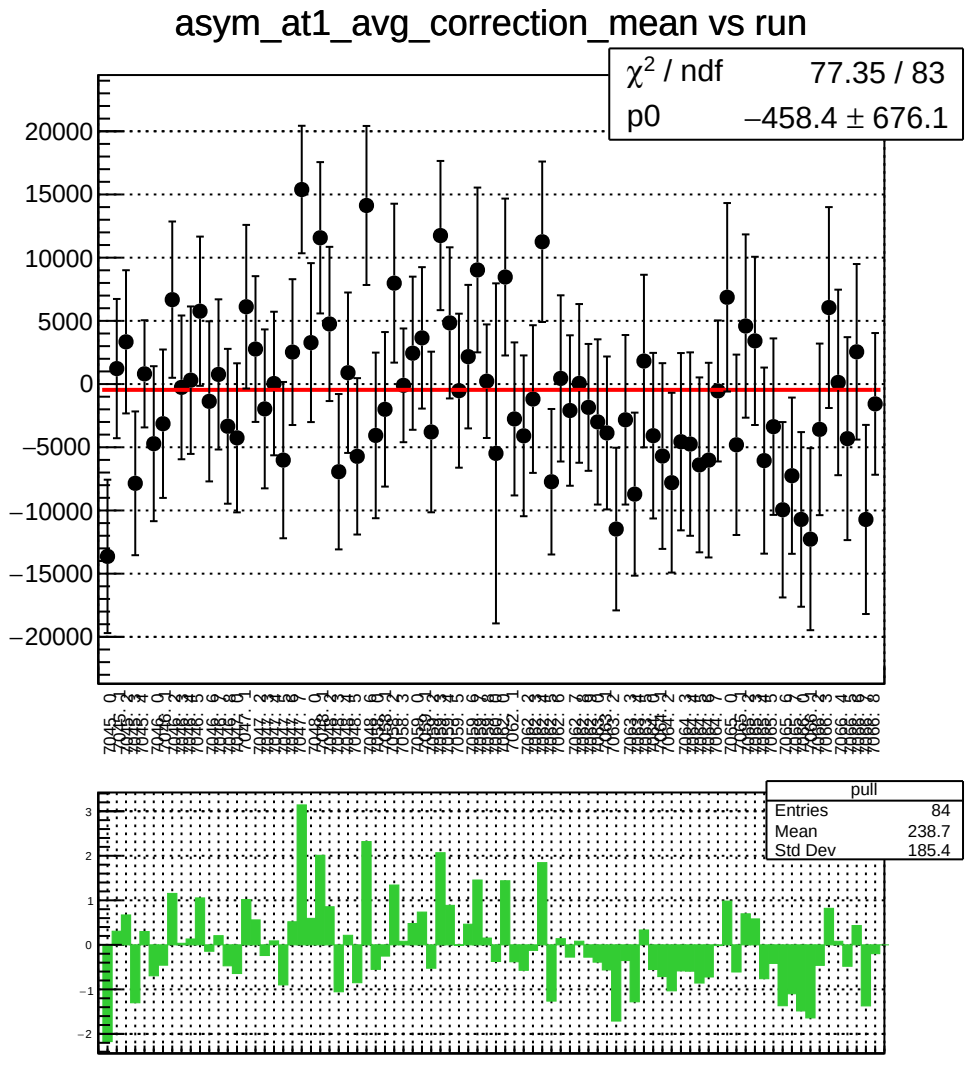

pull1D
Entries 84
Mean 0.03609
Std Dev 0.9958
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

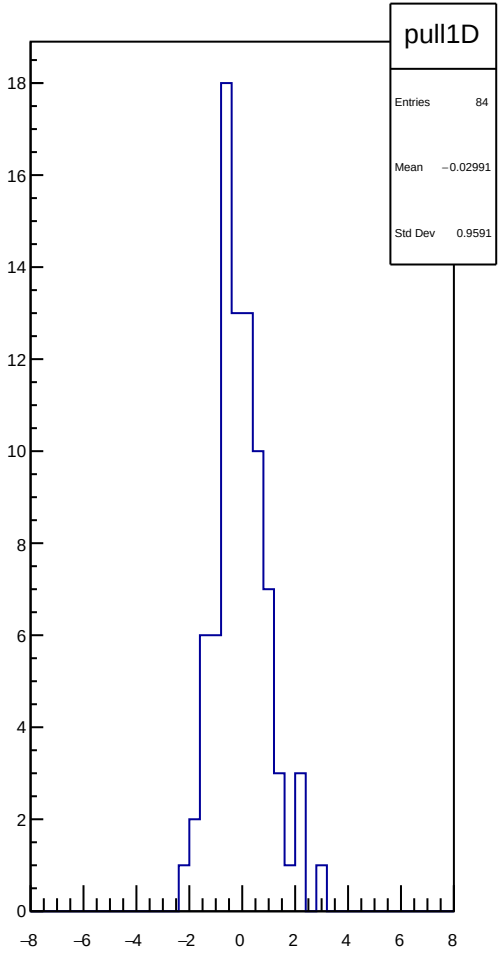

asym_usr_rms vs run
χ² / ndf 1.384e+04 / 83
p0 1943 ± 1.546
2500
2400
2300
2200
2100
2000
1900
1800
1700

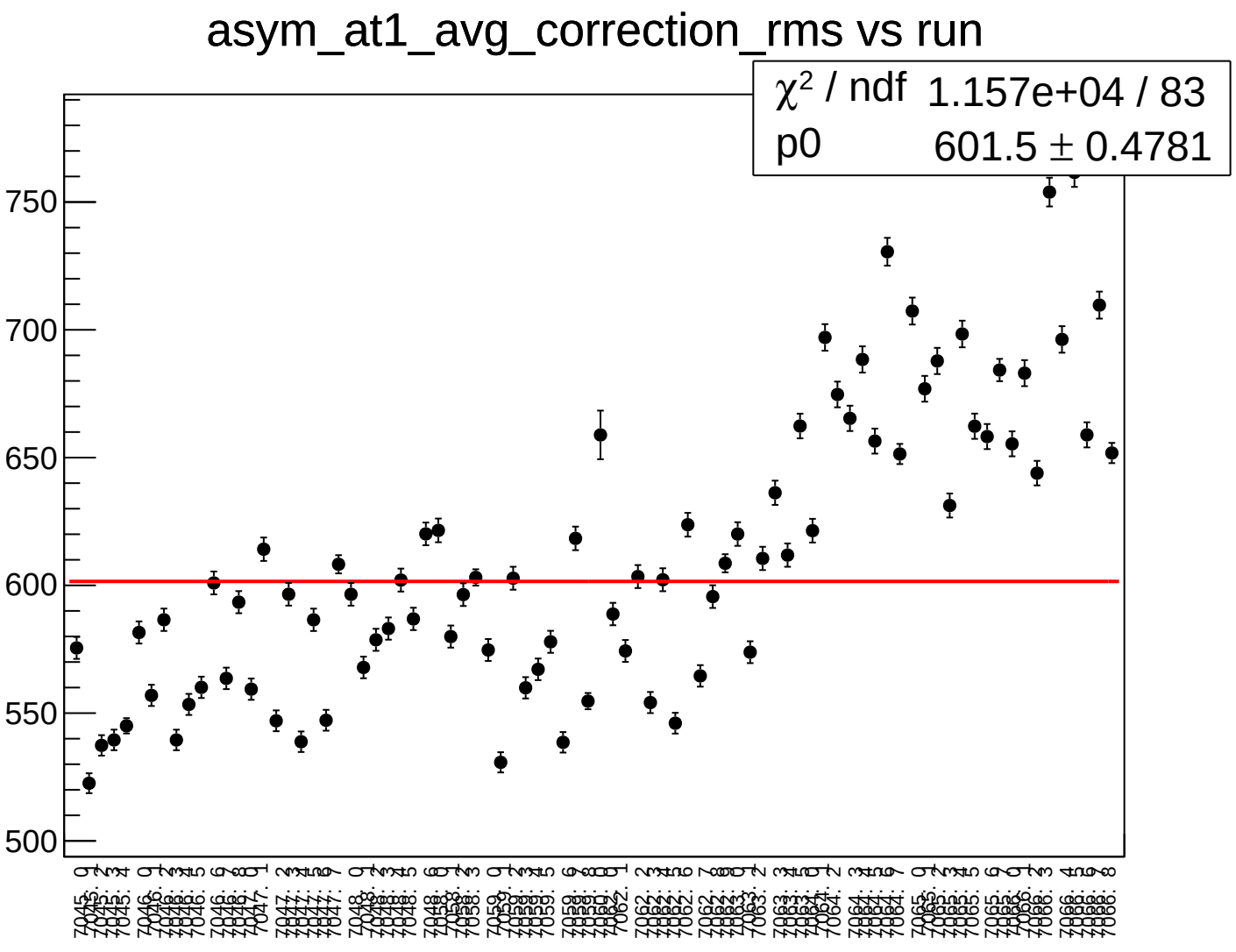

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 91.12 / 83
p0 −817.1± 2074
pull
Entries 84
Mean −195.8
Std Dev 236.1

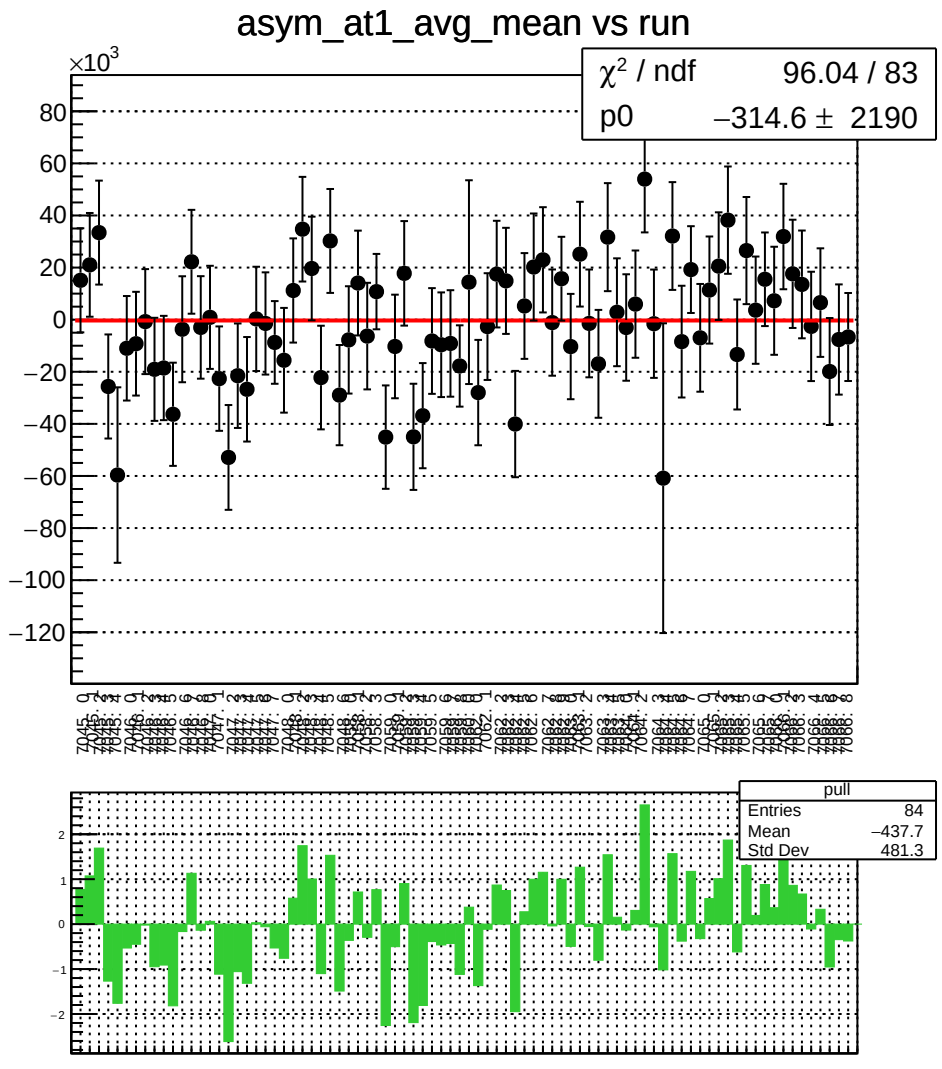

pull1D
Entries 84
Mean −0.02375
Std Dev 1.041

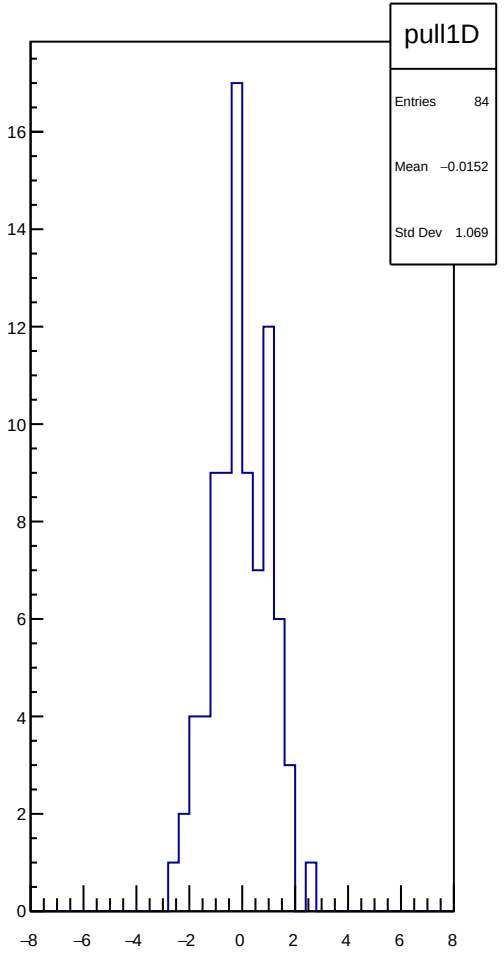

dit_asym_at1_avg_rms vs run
χ² / ndf 1.909e+04 / 83
p0 1841 ± 1.466
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

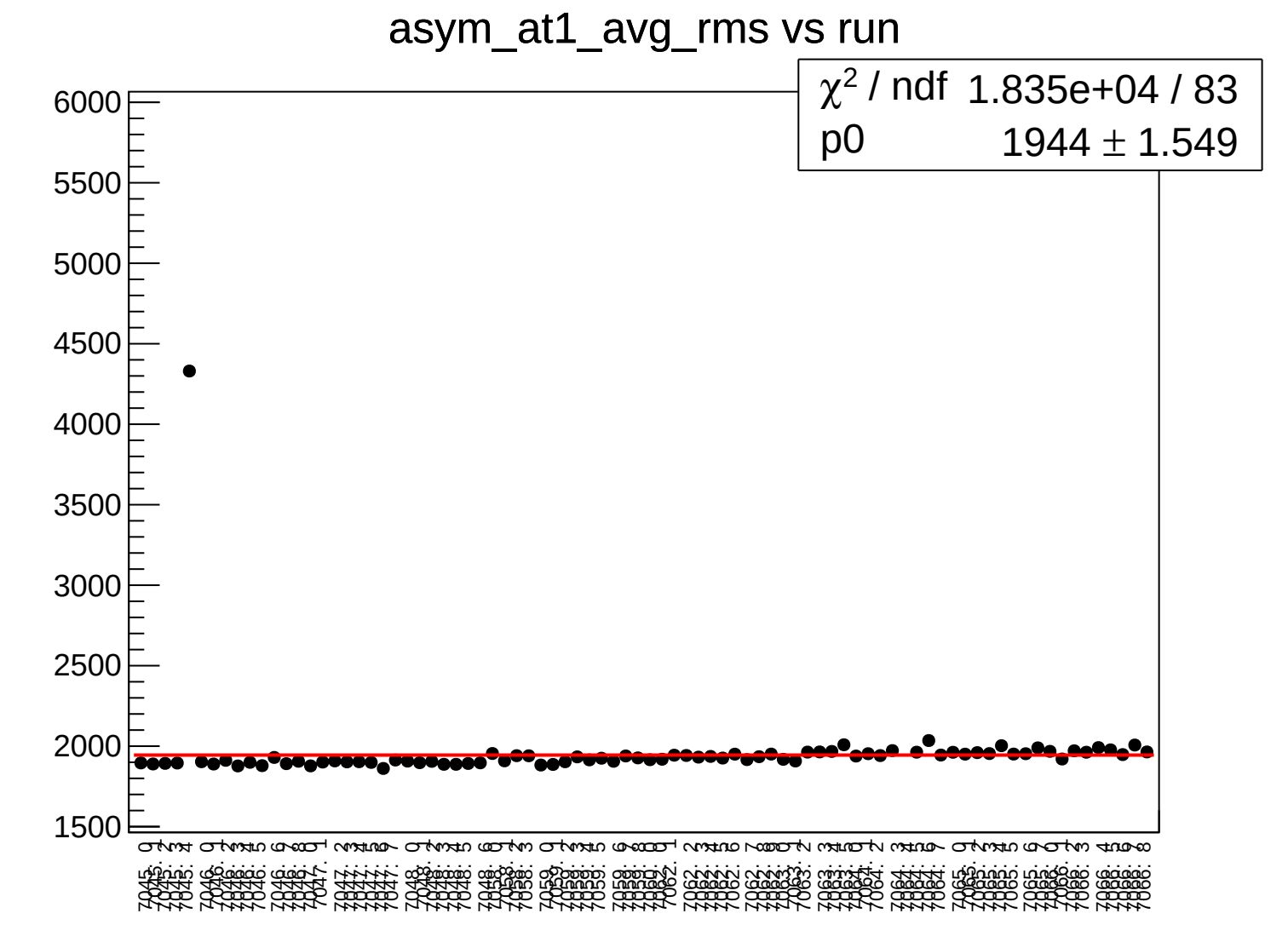

asym_at1_avg_correction_mean vs run
χ² / ndf 77.35 / 83
p0 −458.4 ± 676.1
pull
Entries 84
Mean 238.7
Std Dev 185.4

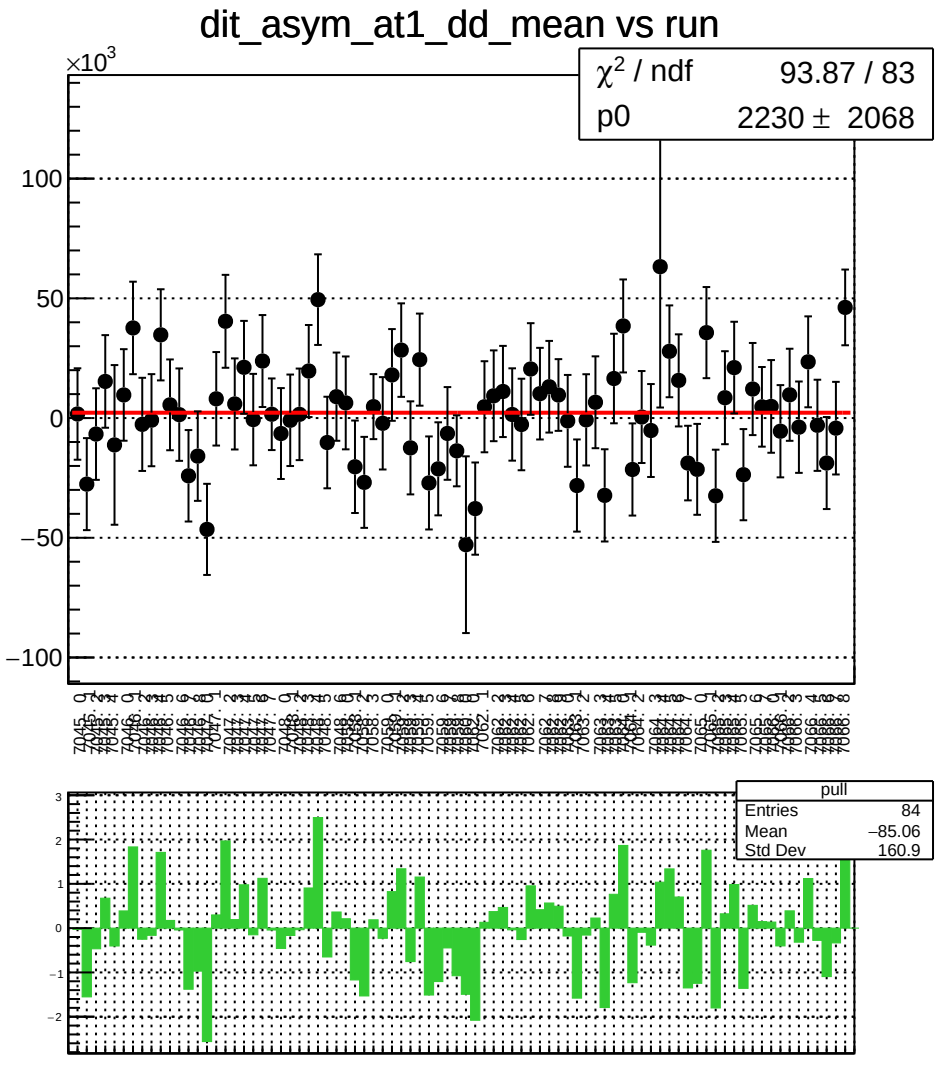

pull1D
Entries 84
Mean −0.02991
Std Dev 0.9591

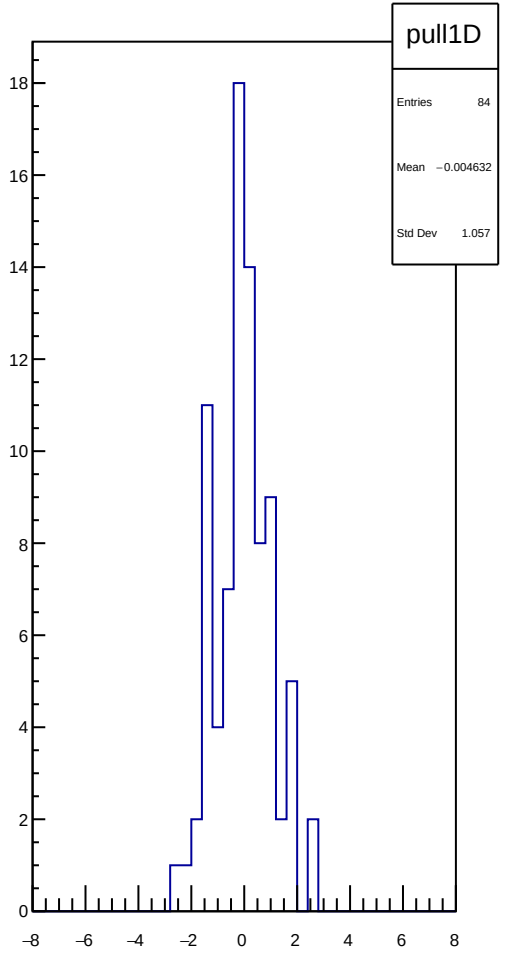

asym_at1_avg_correction_rms vs run
χ² / ndf 1.157e+04 / 83
p0 601.5 ± 0.4781
750
700
650
600
550
500

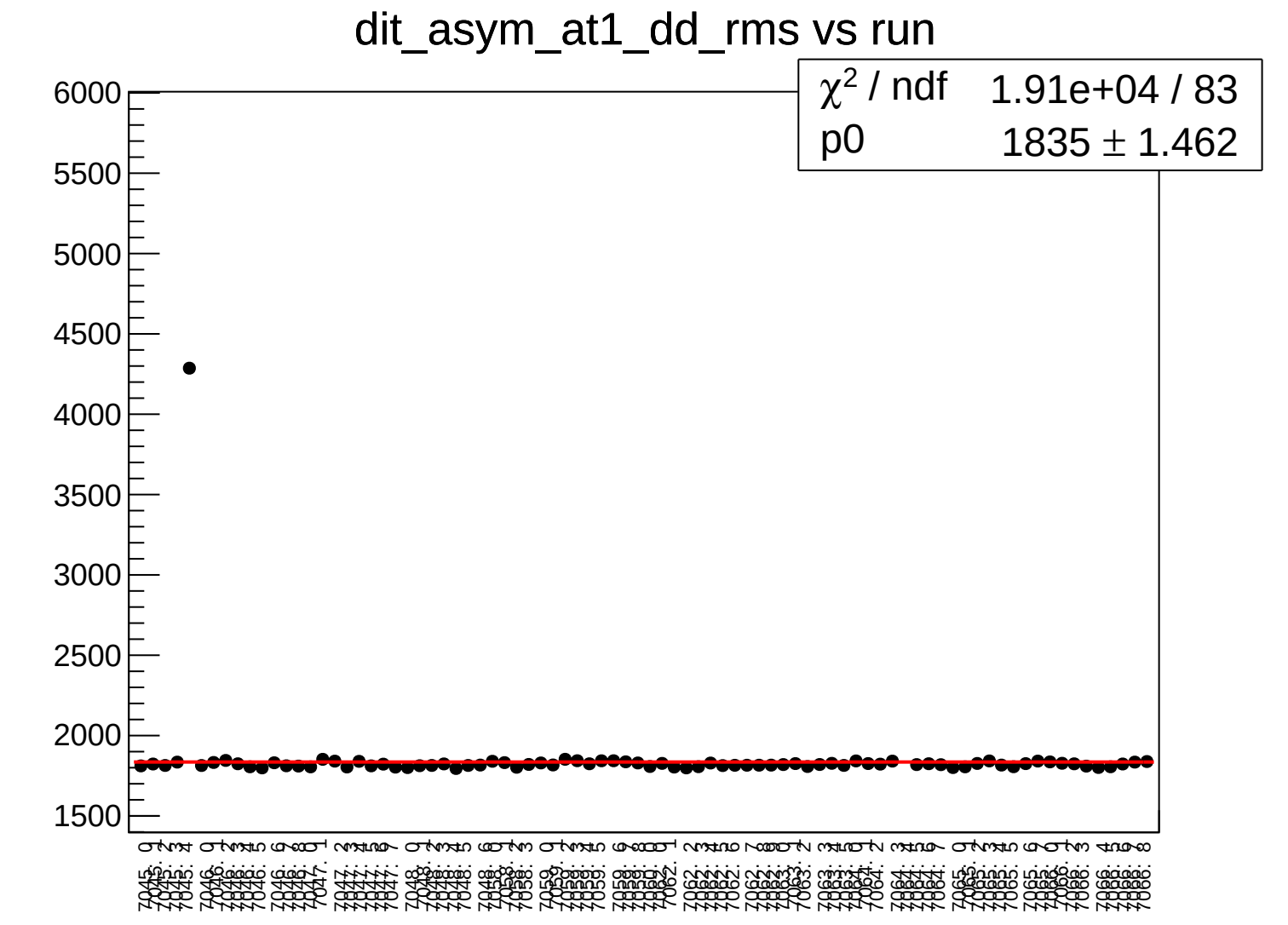

asym_at1_avg_mean vs run
×10^3
χ² / ndf 96.04 / 83
p0 −314.6 ± 2190
pull
Entries 84
Mean −437.7
Std Dev 481.3

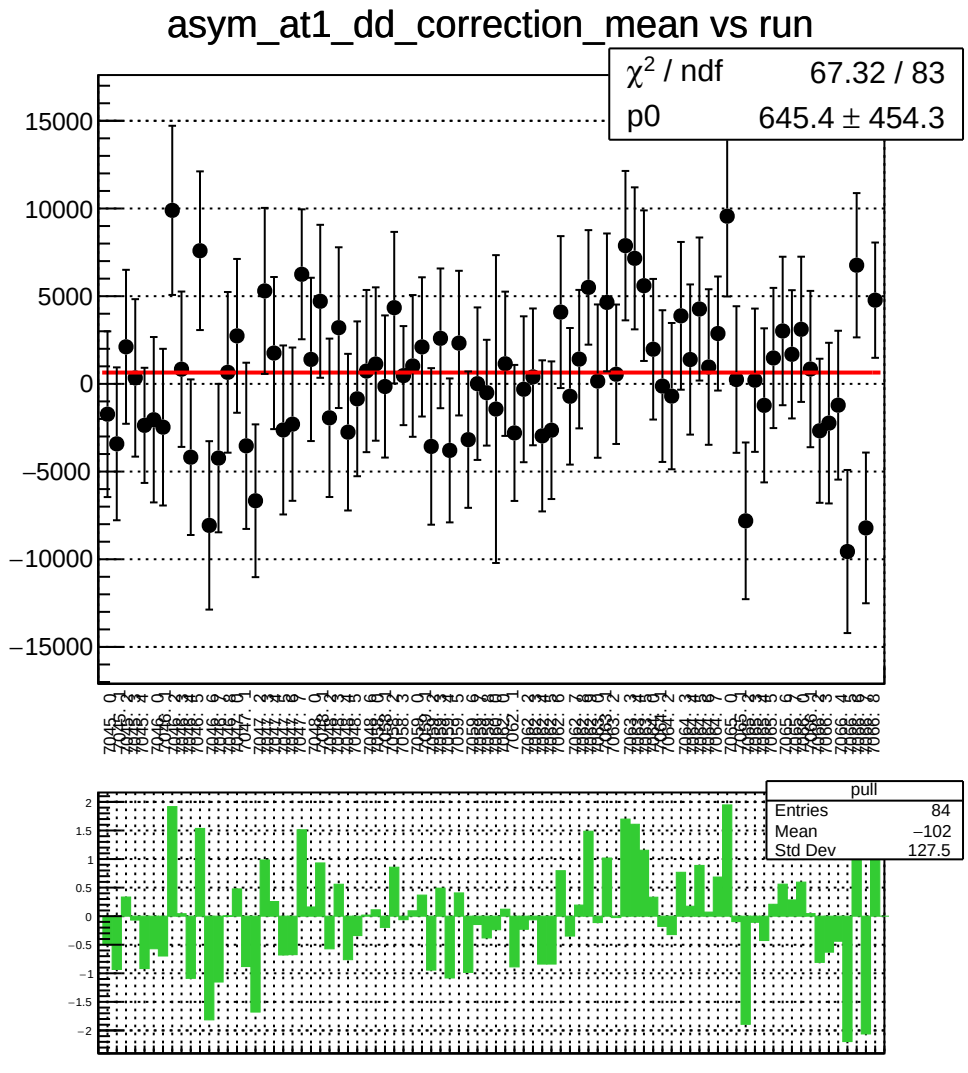

pull1D
Entries 84
Mean −0.0152
Std Dev 1.069

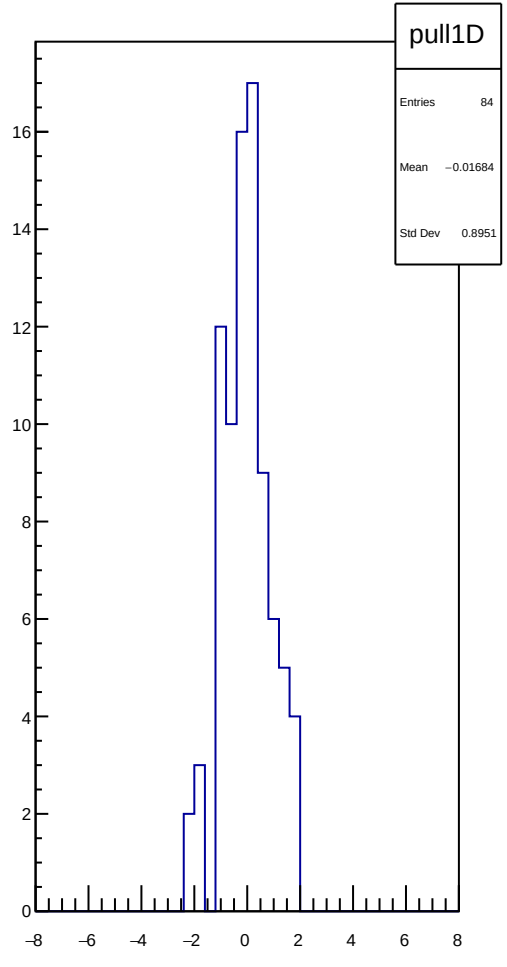

asym_at1_avg_rms vs run
χ² / ndf 1.835e+04 / 83
p0 1944 ± 1.549
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

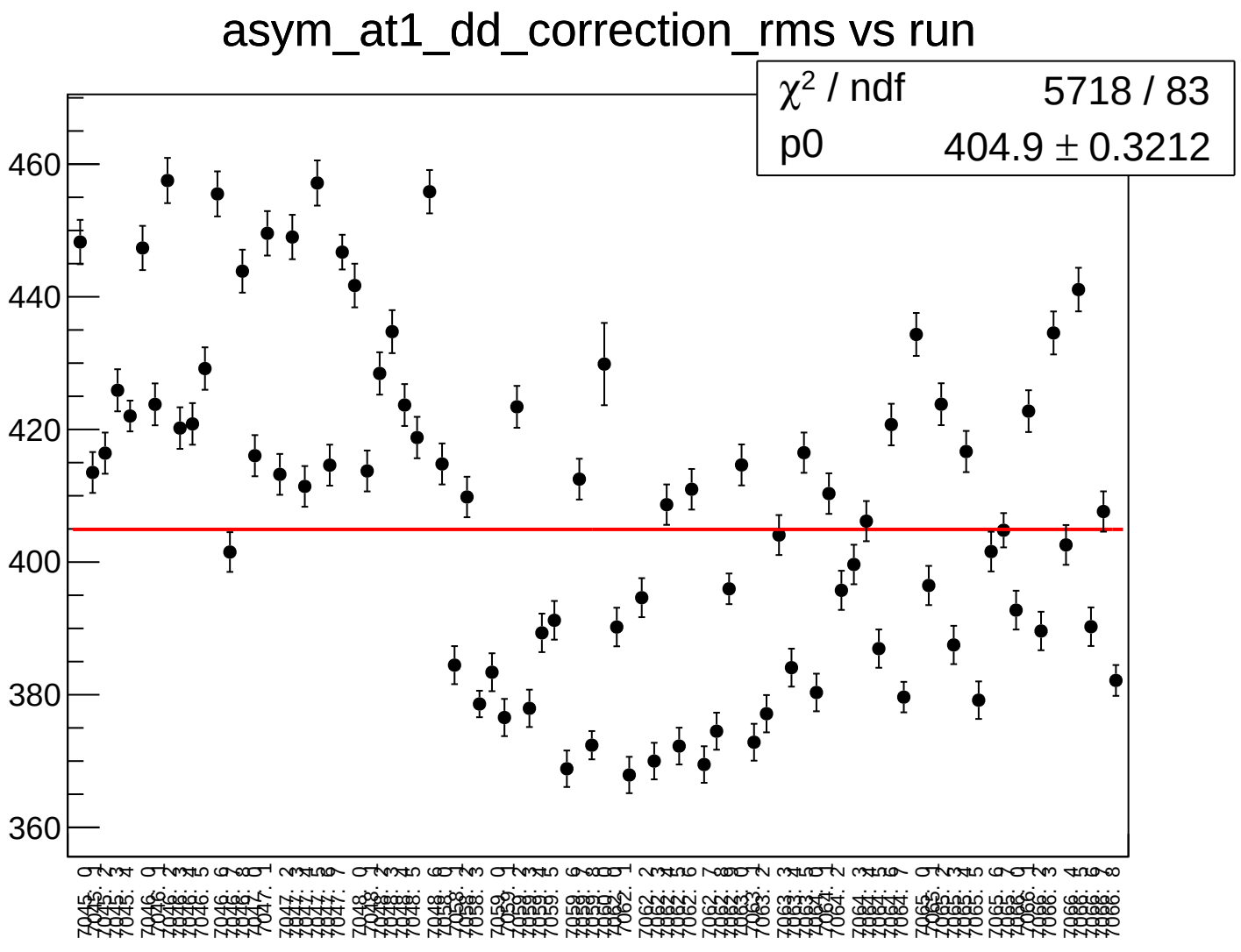

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 93.87 / 83
p0 2230 ± 2068
100
50
0
−50
−100
pull
Entries 84
Mean −85.06
Std Dev 160.9
3
2
1
0
−1
−2

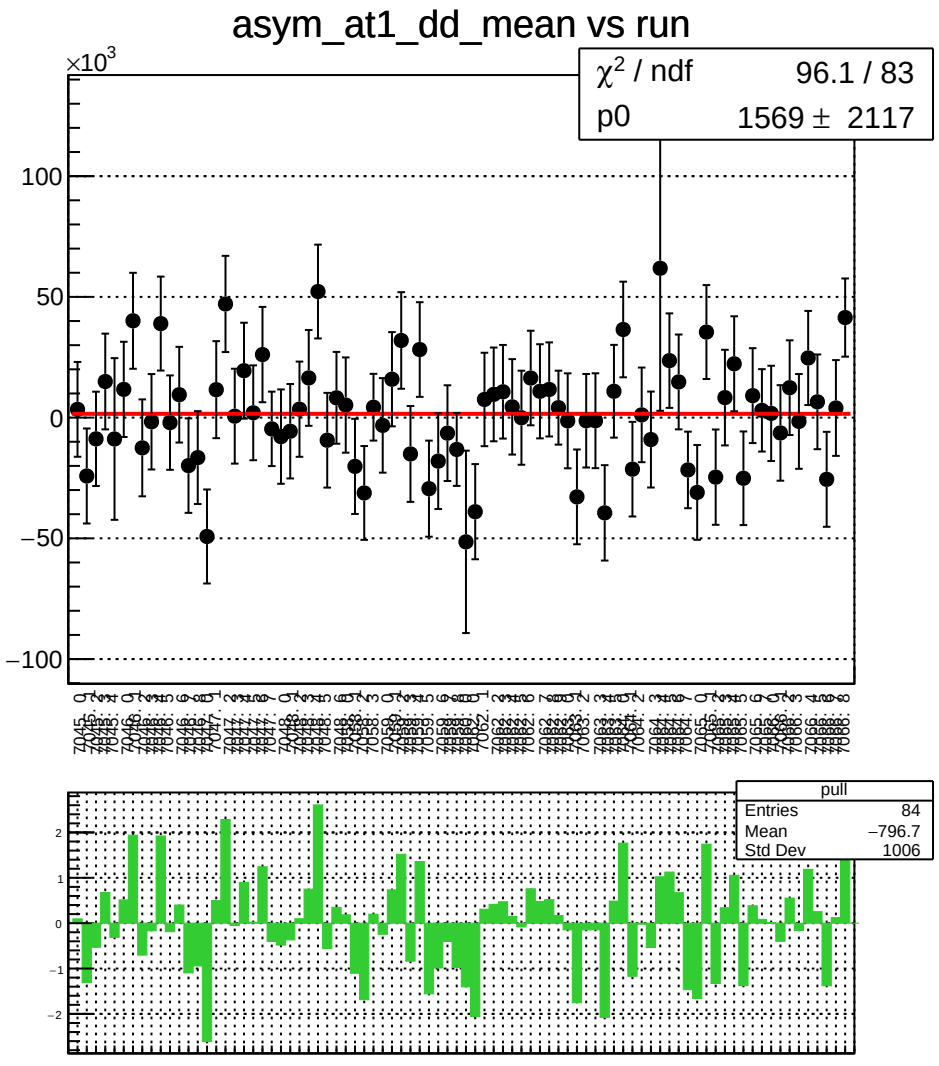

pull1D
Entries 84
Mean −0.004632
Std Dev 1.057
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

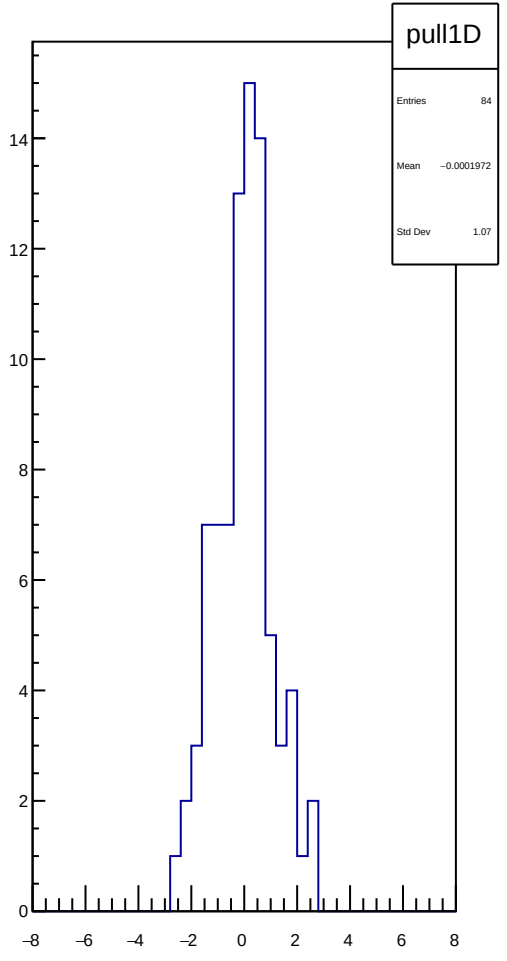

dit_asym_at1_dd_rms vs run
χ^2 / ndf 1.91e+04 / 83
p0 1835 ± 1.462
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

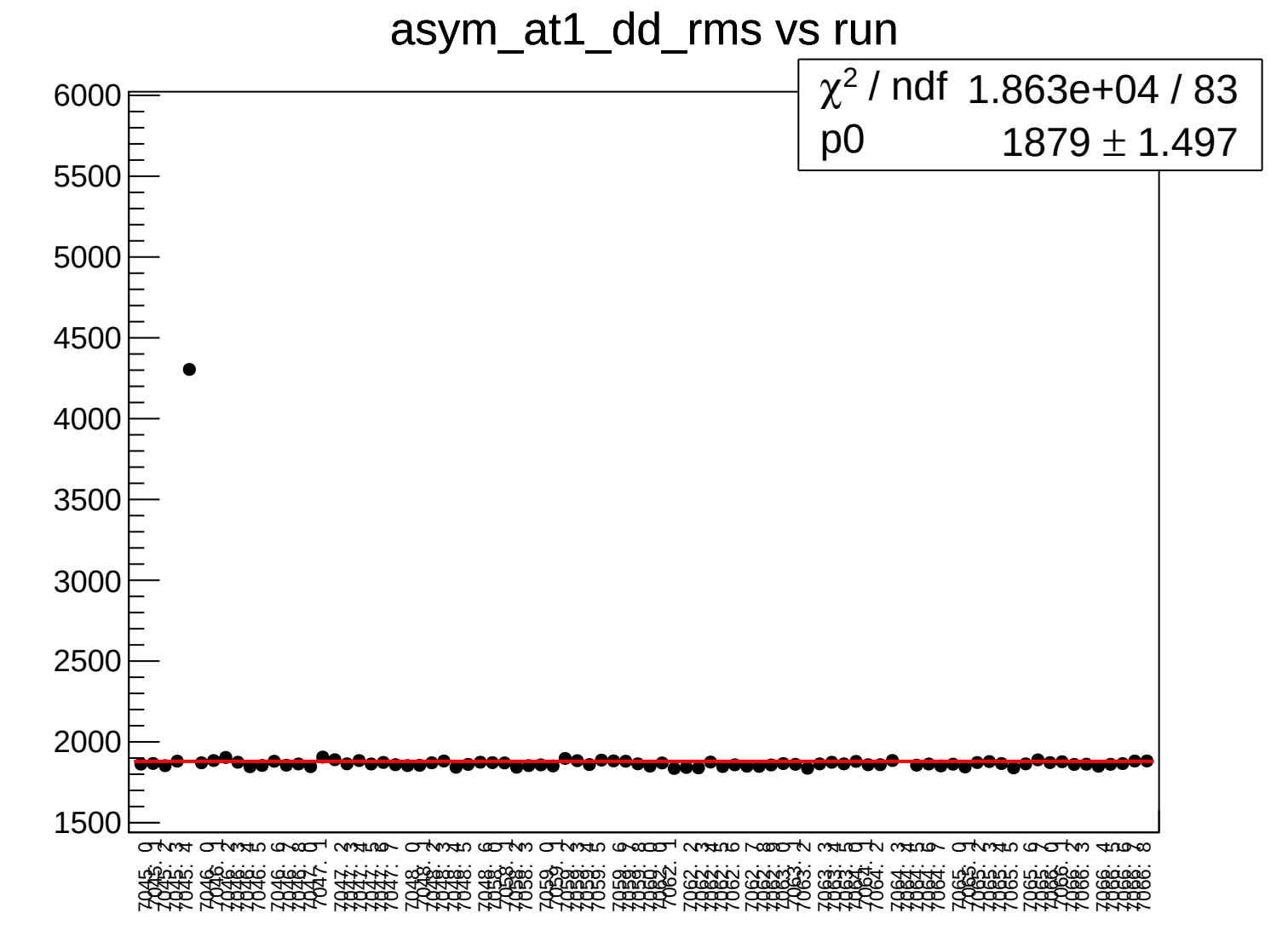

asym_at1_dd_correction_mean vs run
χ² / ndf 67.32 / 83
p0 645.4 ± 454.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −102
Std Dev 127.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

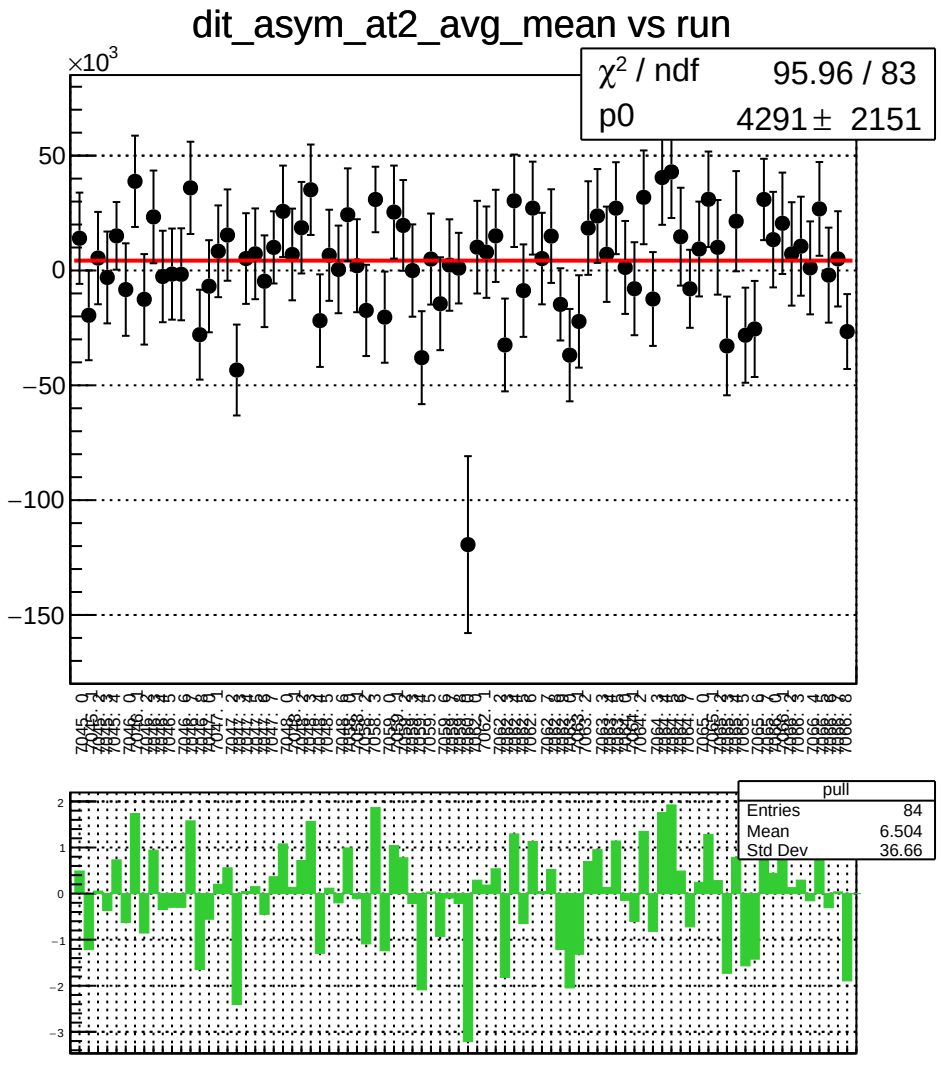

pull1D
Entries 84
Mean −0.01684
Std Dev 0.8951
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

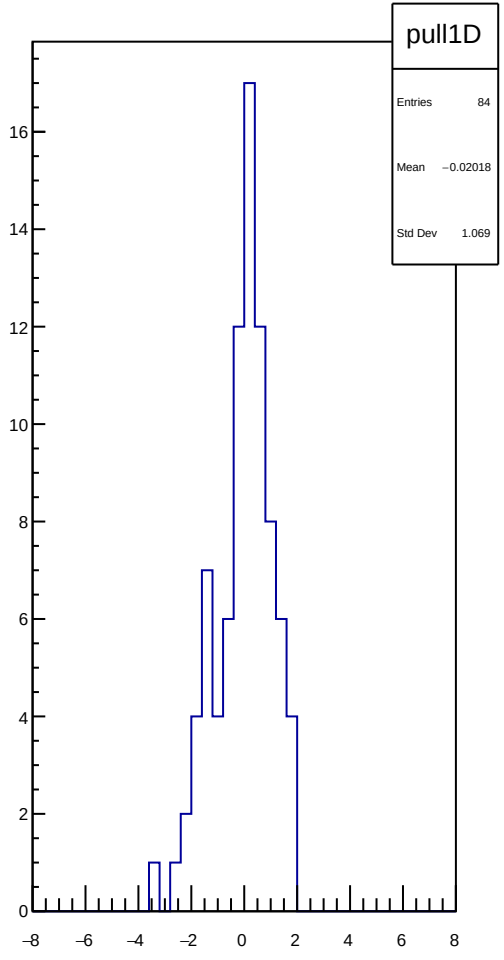

asym_at1_dd_correction_rms vs run
χ² / ndf 5718 / 83
p0 404.9 ± 0.3212
460
440
420
400
380
360

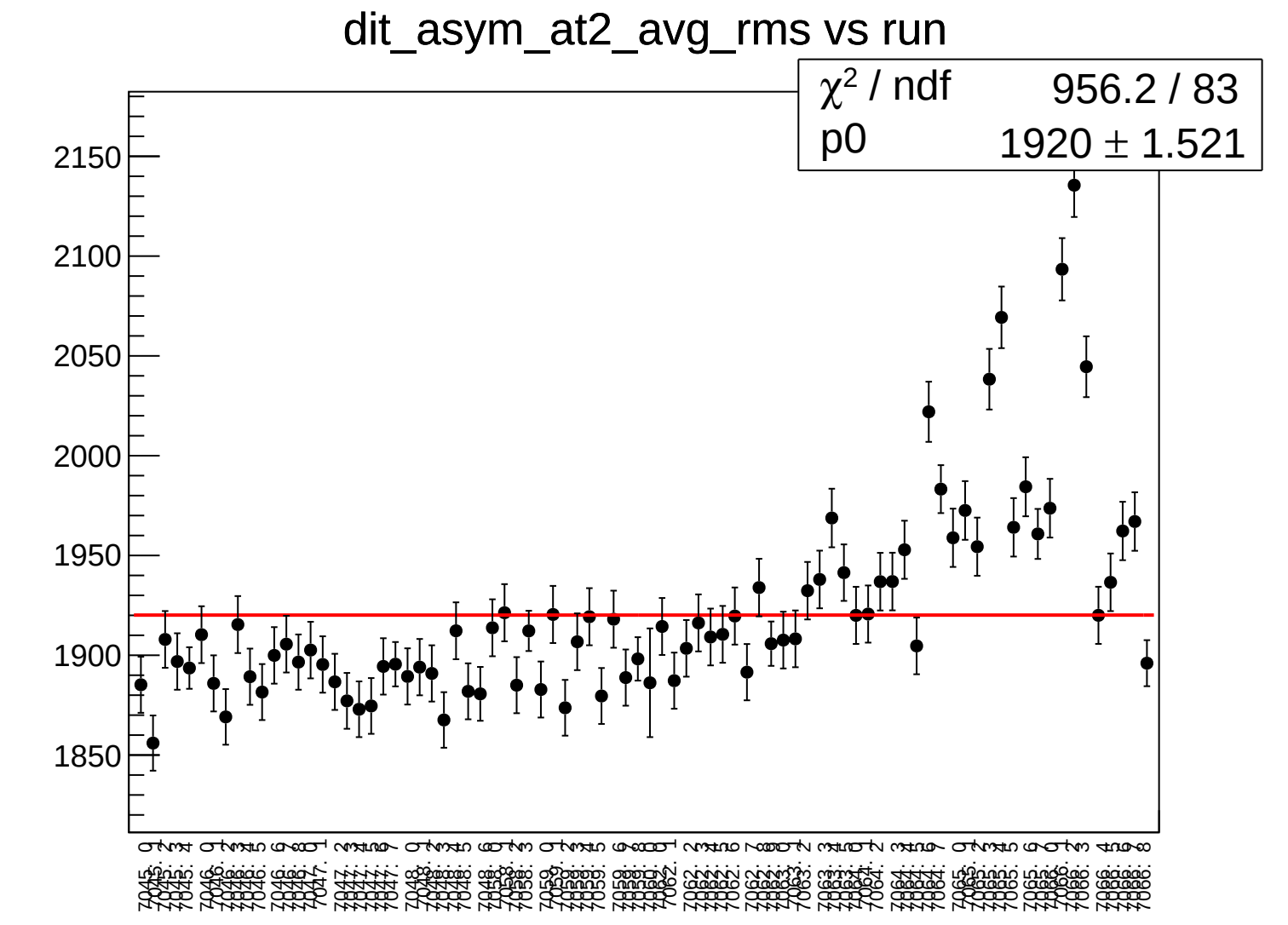

asym_at1_dd_mean vs run
×10^3
χ² / ndf 96.1 / 83
p0 1569 ± 2117
100
50
0
−50
−100
pull
Entries 84
Mean −796.7
Std Dev 1006
2
1
0
−1
−2

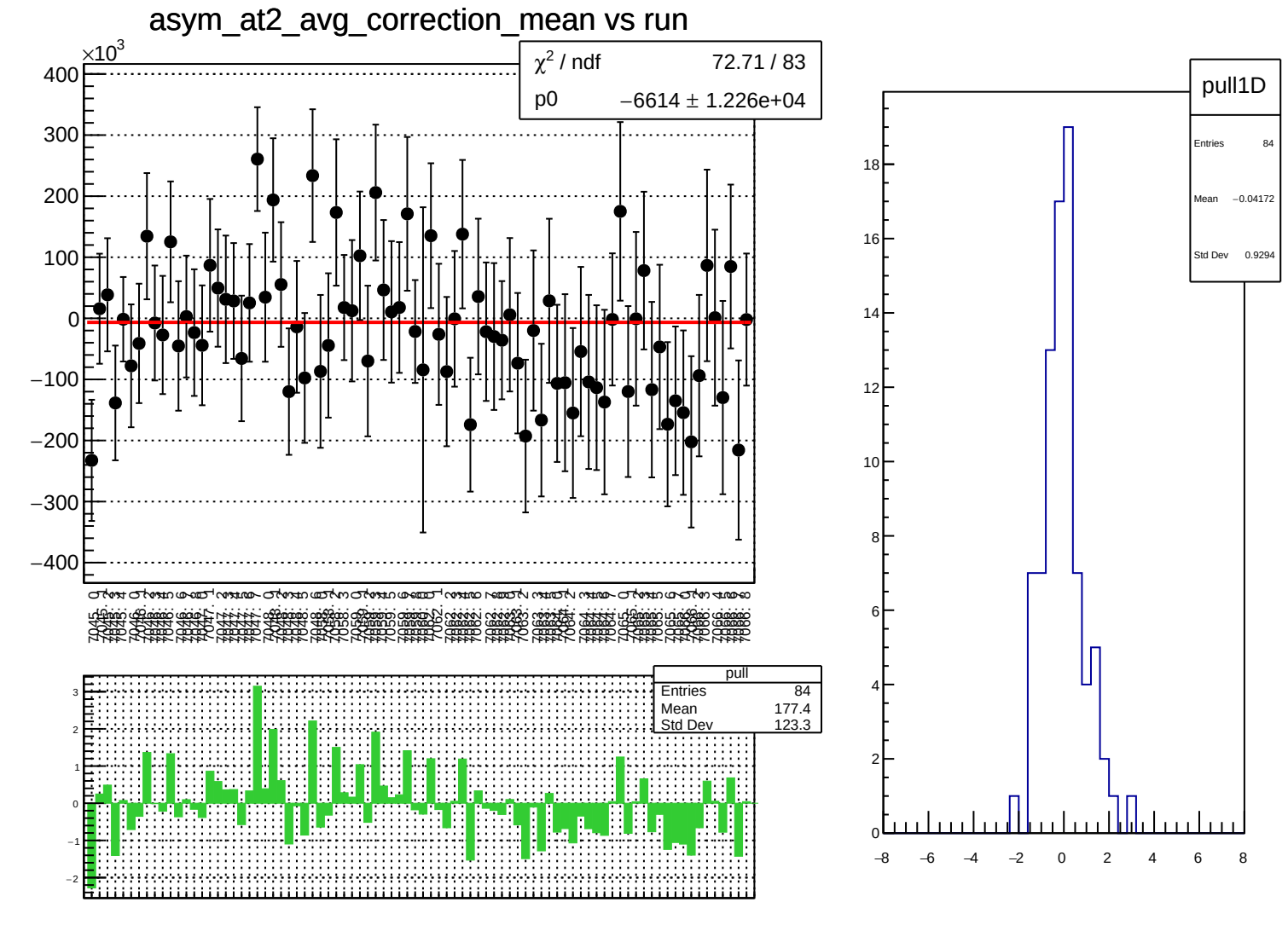

pull1D
Entries 84
Mean −0.0001972
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

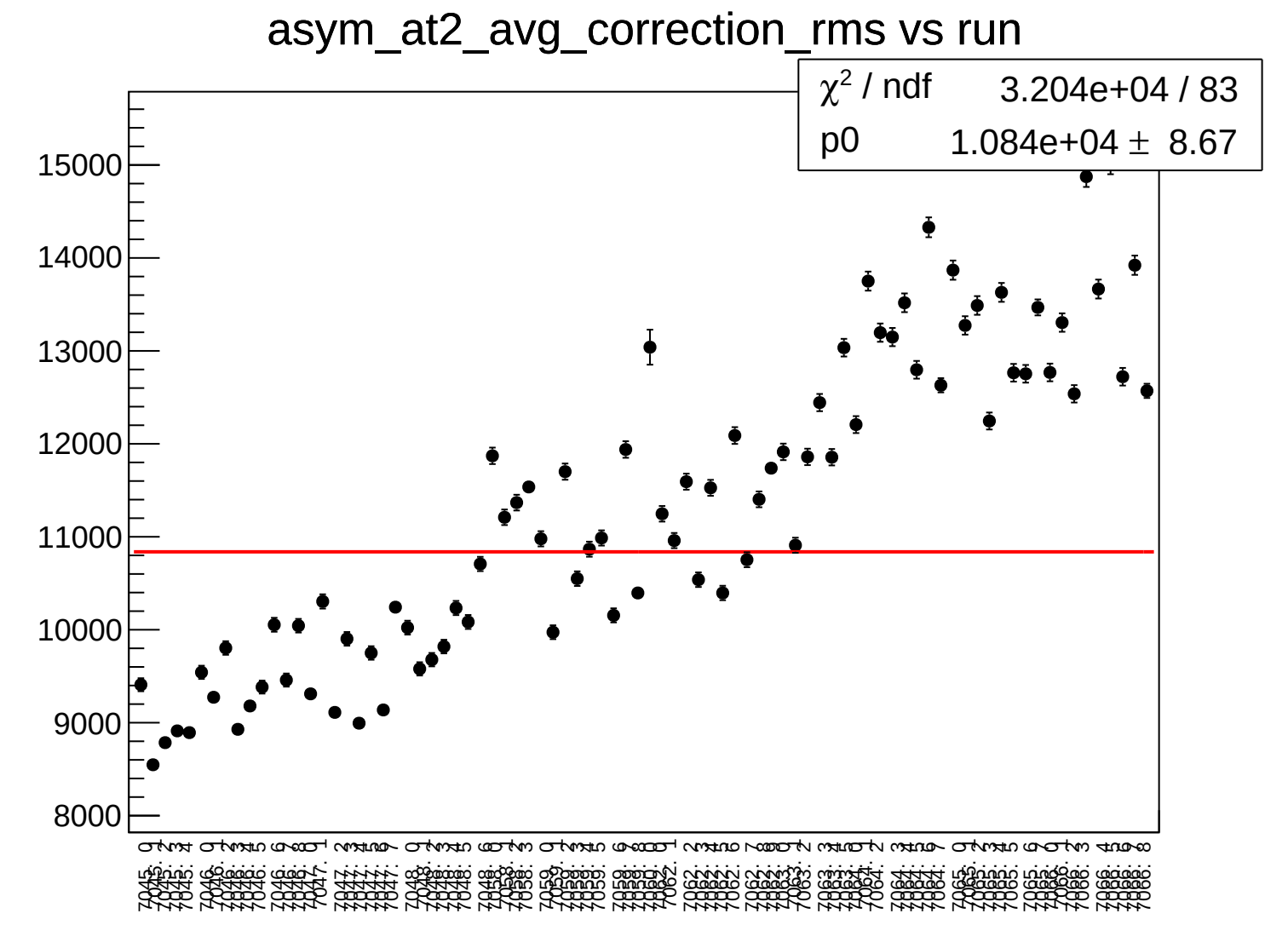

asym_at1_dd_rms vs run
χ² / ndf 1.863e+04 / 83
p0 1879 ± 1.497
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

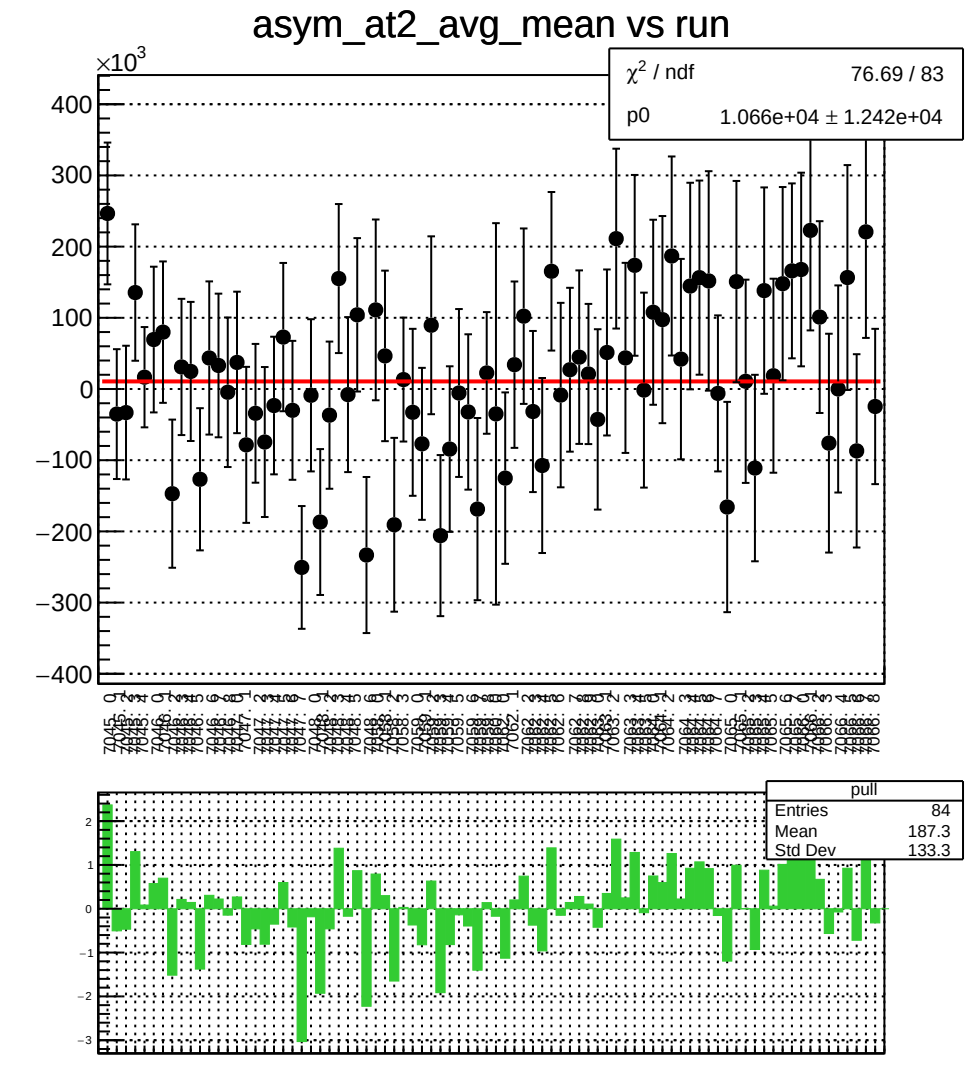

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 95.96 / 83
p0 4291 ± 2151
50
0
−50
−100
−150
pull
Entries 84
Mean 6.504
Std Dev 36.66
2
1
0
−1
−2
−3

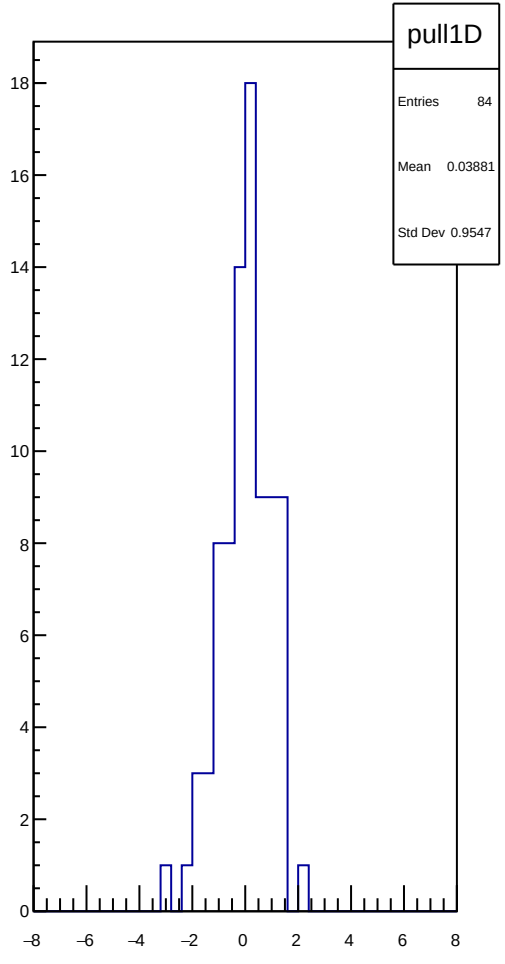

pull1D
Entries 84
Mean −0.02018
Std Dev 1.069
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

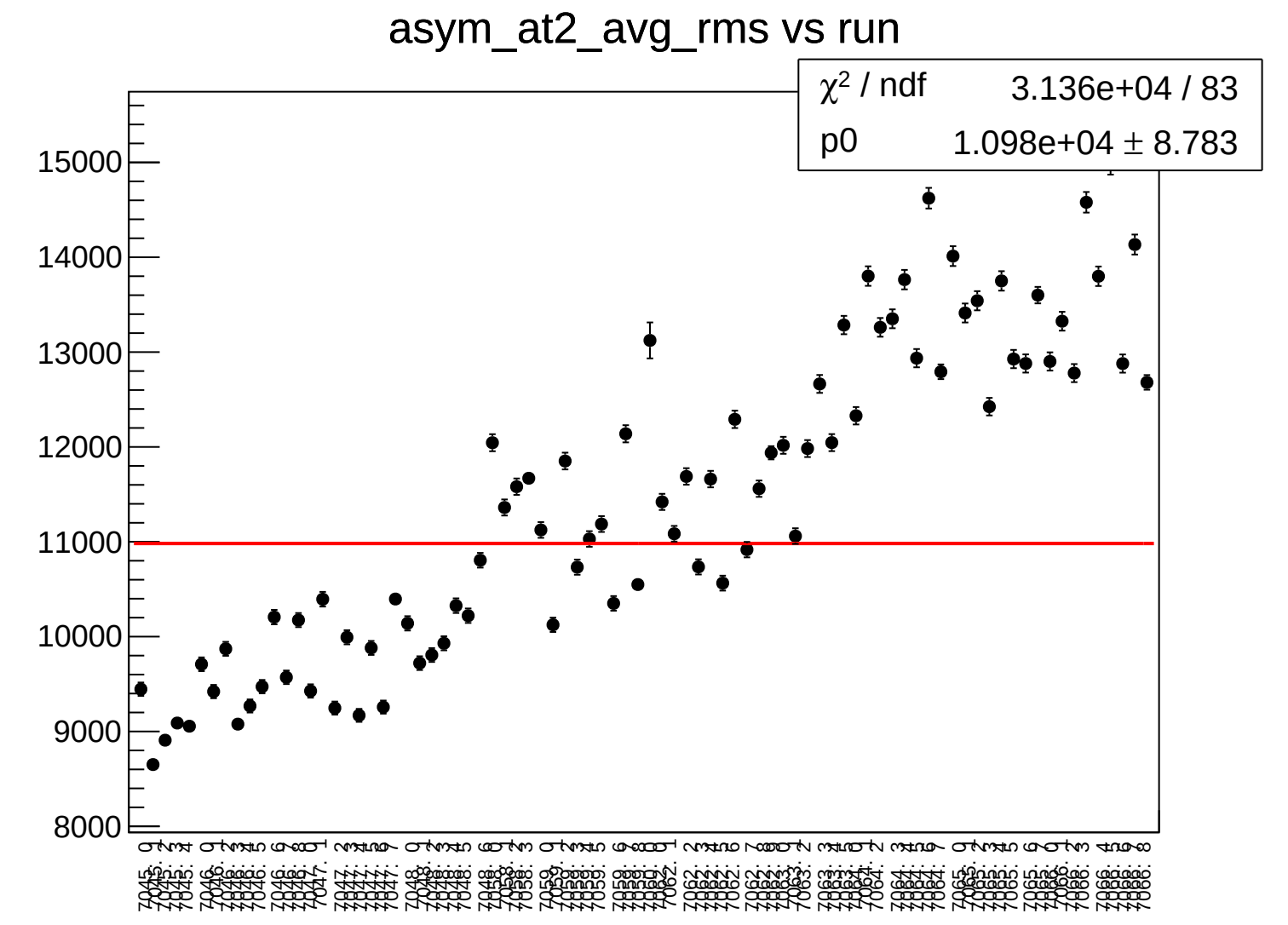

dit_asym_at2_avg_rms vs run
χ² / ndf 956.2 / 83
p0 1920 ± 1.521
2150
2100
2050
2000
1950
1900
1850

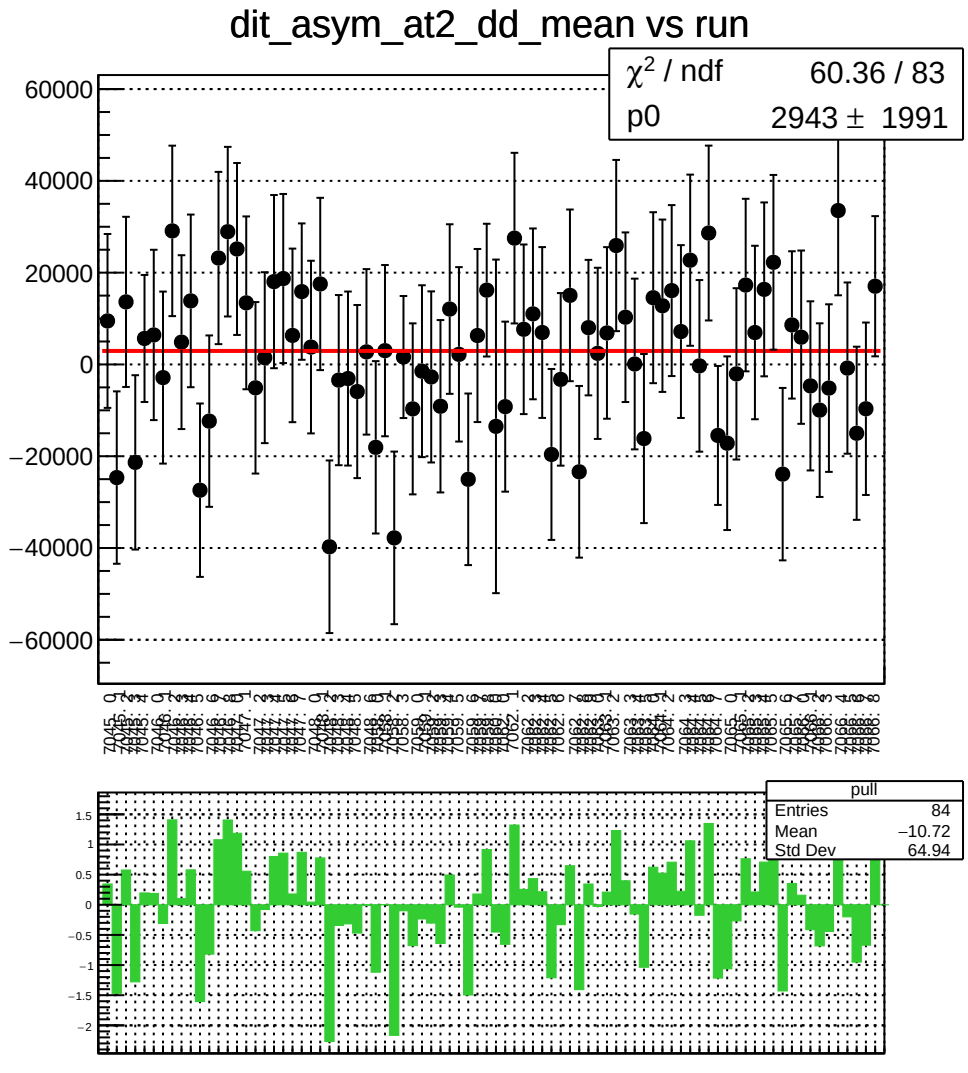

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 72.71 / 83
p0 −6614 ± 1.226e+04
pull
Entries 84
Mean 177.4
Std Dev 123.3
pull1D
Entries 84
Mean −0.04172
Std Dev 0.9294

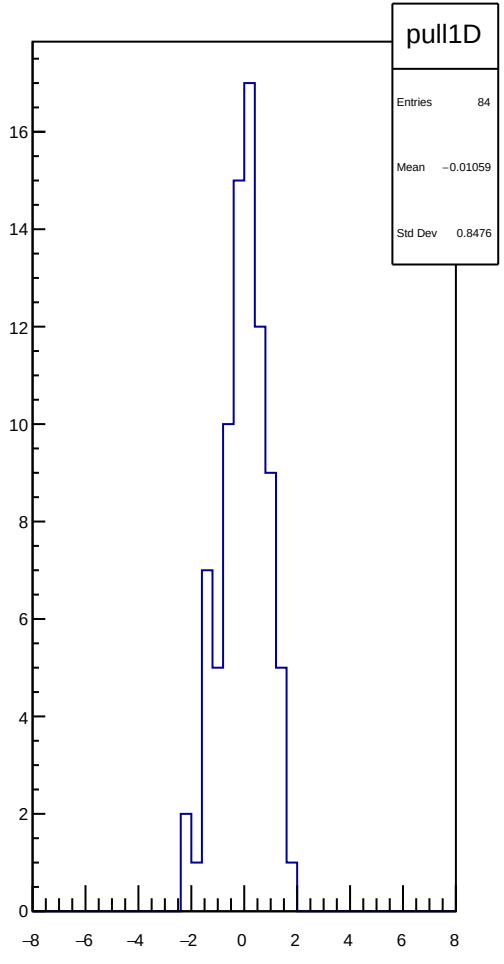

asym_at2_avg_correction_rms vs run
χ^2 / ndf 3.204e+04 / 83
p0 1.084e+04 ± 8.67
15000
14000
13000
12000
11000
10000
9000
8000

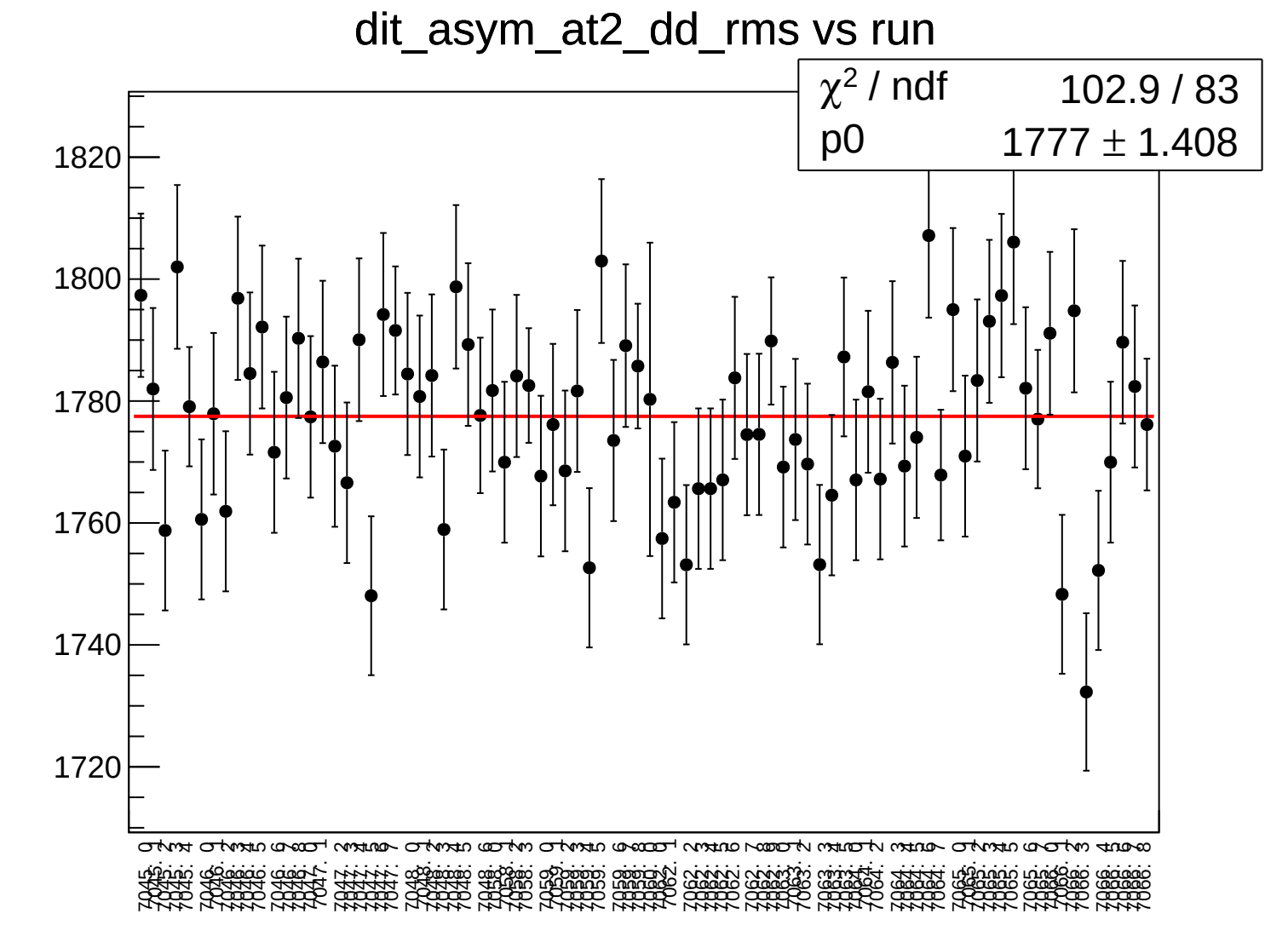

asym_at2_avg_mean vs run
×10^3
χ² / ndf 76.69 / 83
p0 1.066e+04 ± 1.242e+04
pull
Entries 84
Mean 187.3
Std Dev 133.3

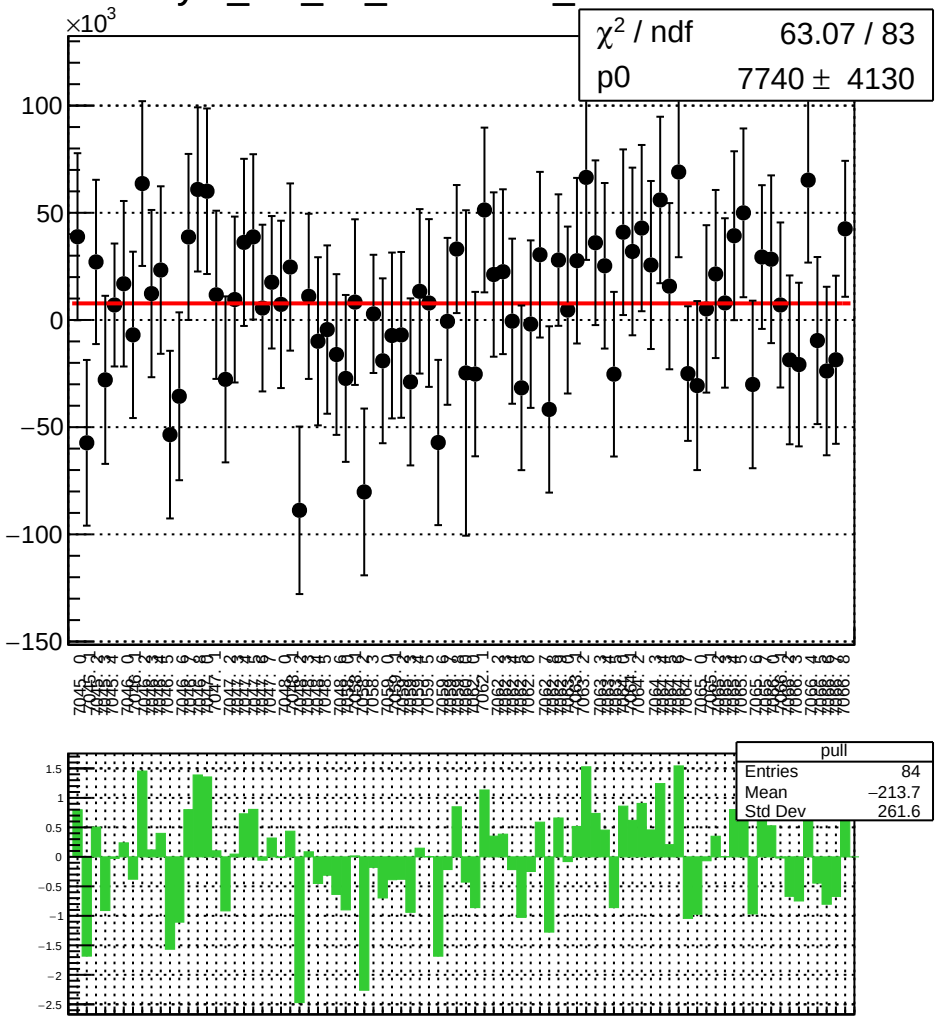

pull1D
Entries 84
Mean 0.03881
Std Dev 0.9547

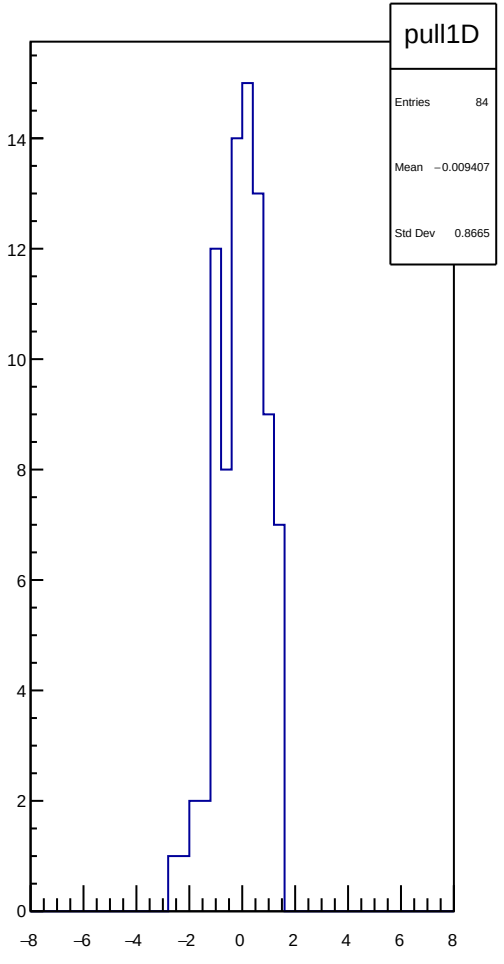

asym_at2_avg_rms vs run
χ² / ndf 3.136e+04 / 83
p0 1.098e+04 ± 8.783
15000
14000
13000
12000
11000
10000
9000
8000

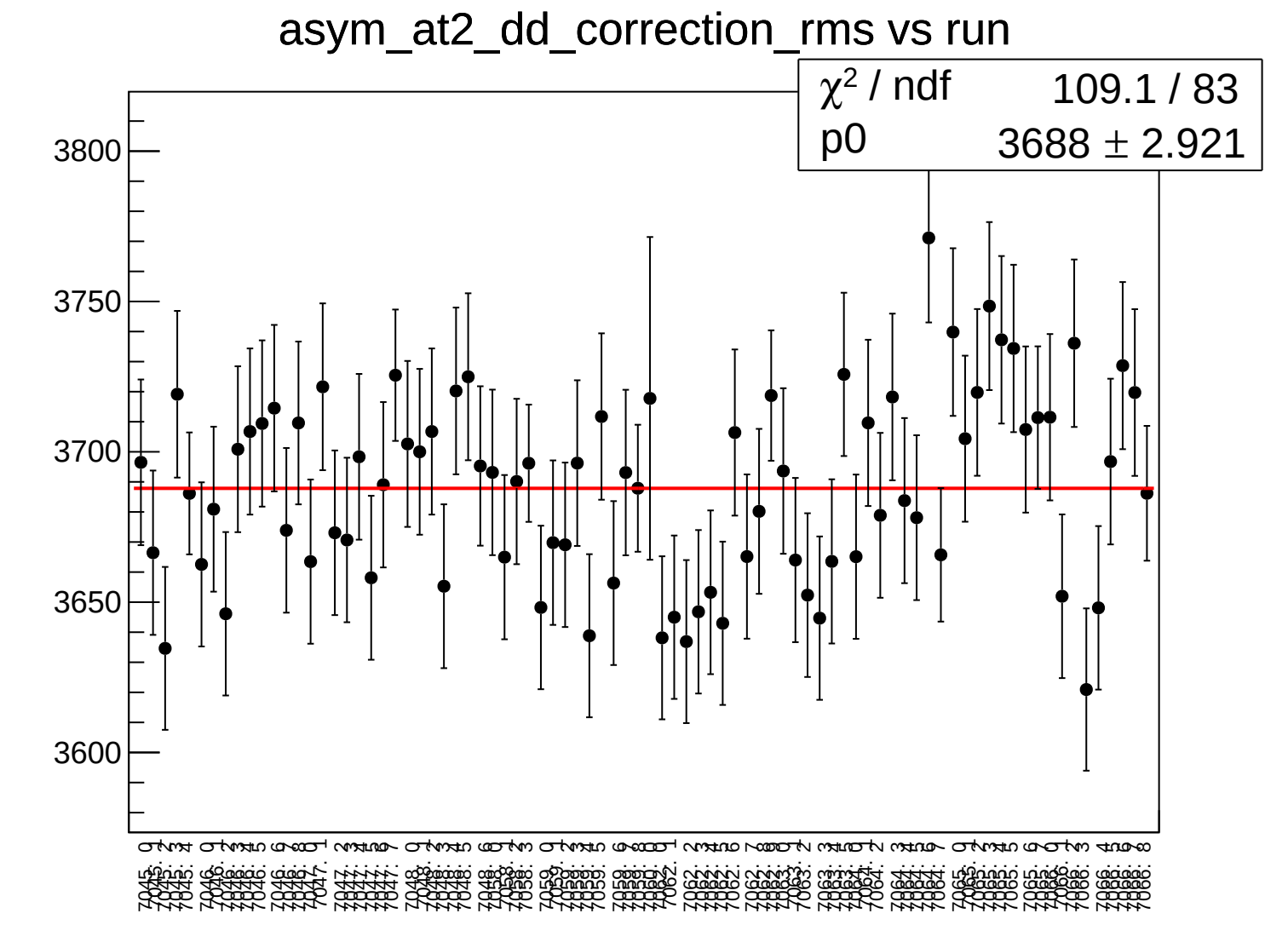

dit_asym_at2_dd_mean vs run
χ² / ndf 60.36 / 83
p0 2943 ± 1991
pull
Entries 84
Mean −10.72
Std Dev 64.94

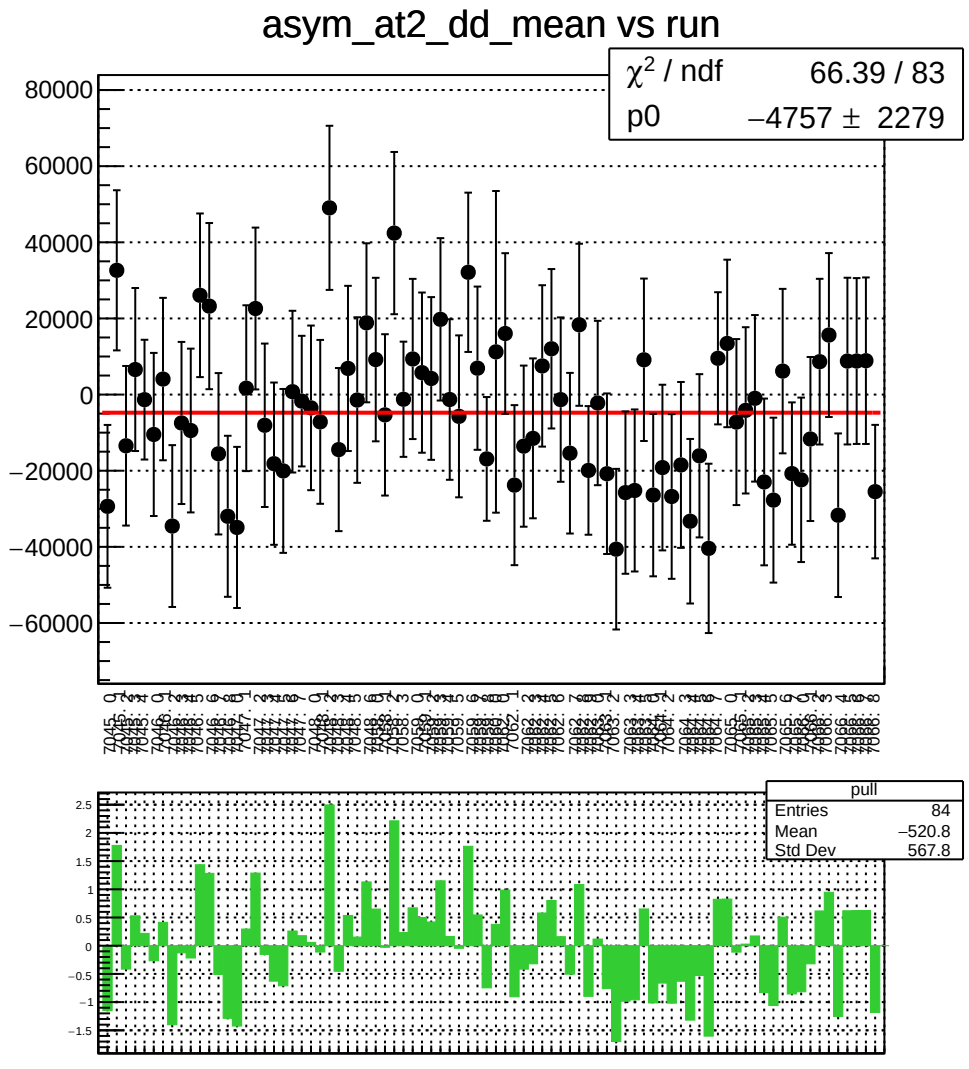

pull1D
Entries 84
Mean −0.01059
Std Dev 0.8476

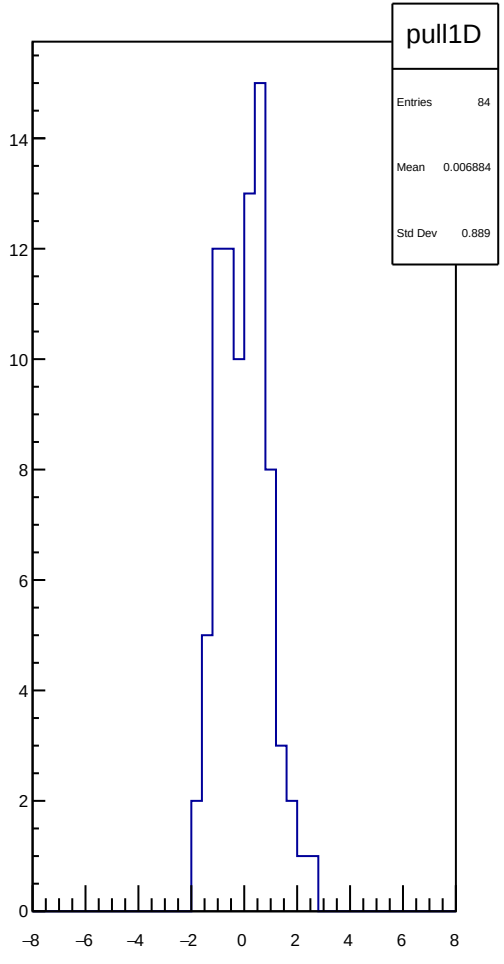

dit_asym_at2_dd_rms vs run
χ^2 / ndf 102.9 / 83
p0 1777 ± 1.408
1820
1800
1780
1760
1740
1720

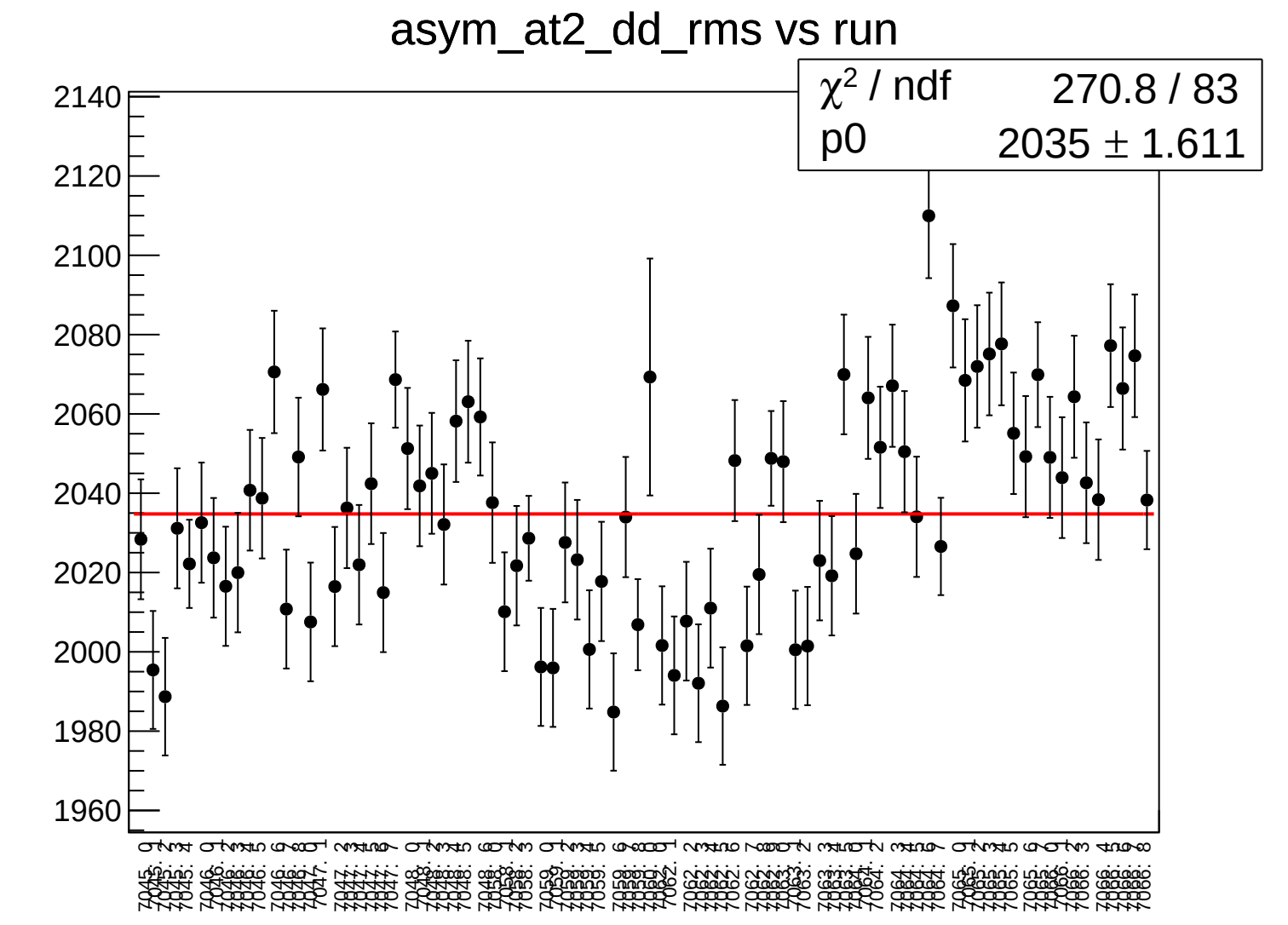

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 63.07 / 83
p0 7740 ± 4130
100
50
0
−50
−100
−150
pull
Entries 84
Mean −213.7
Std Dev 261.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

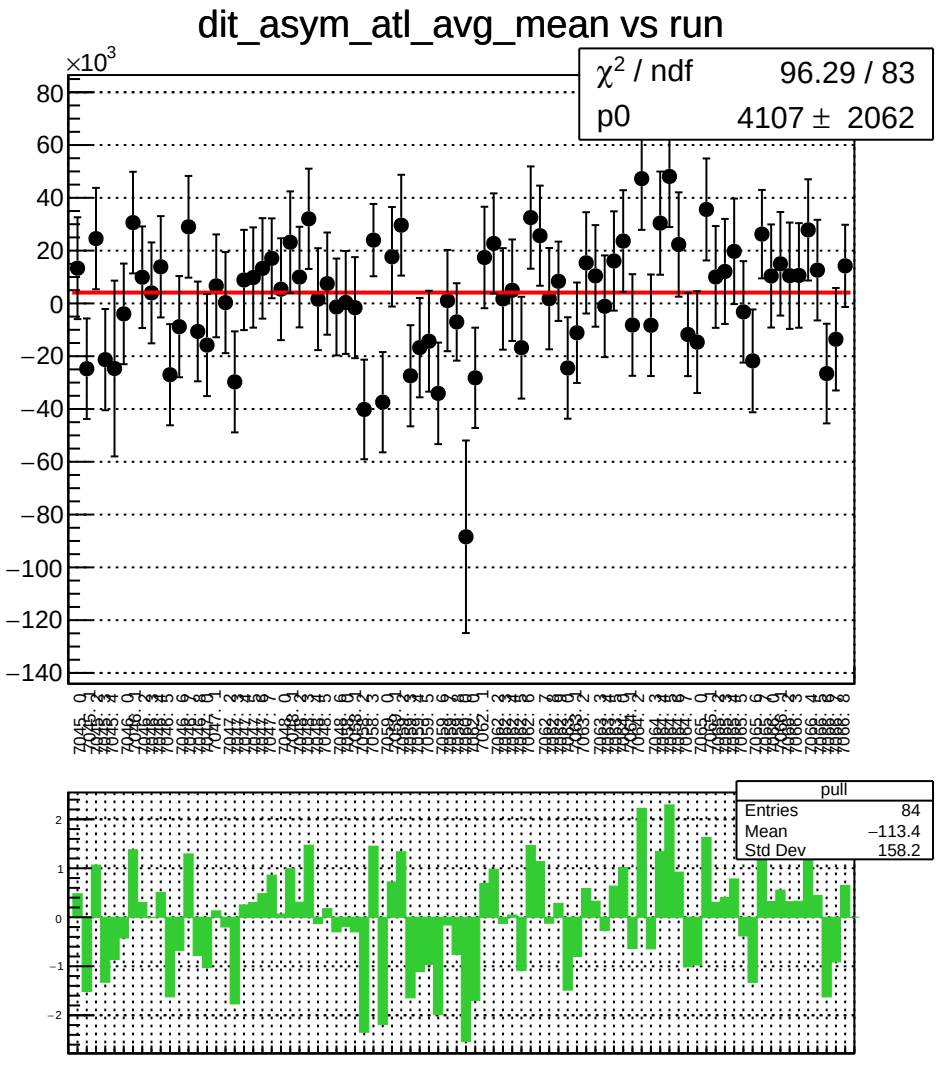

pull1D
Entries 84
Mean −0.009407
Std Dev 0.8665
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

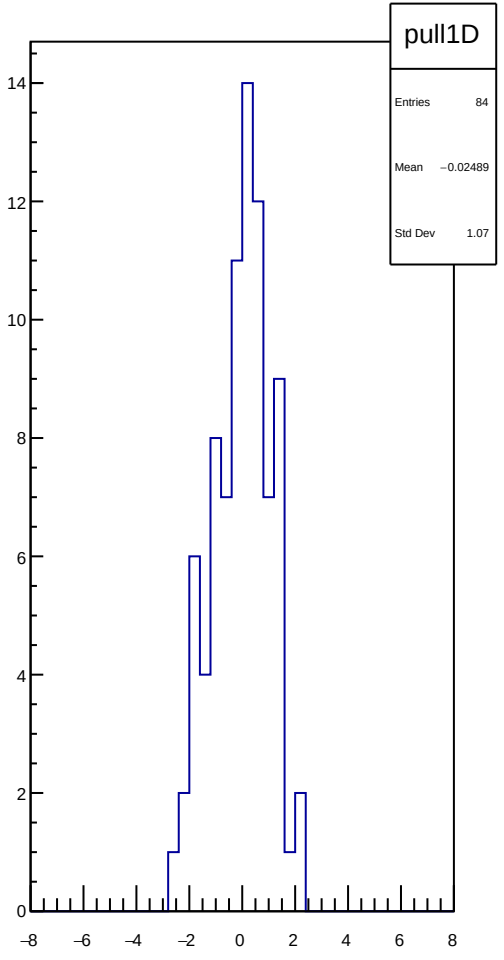

asym_at2_dd_correction_rms vs run
χ² / ndf 109.1 / 83
p0 3688 ± 2.921
3800
3750
3700
3650
3600

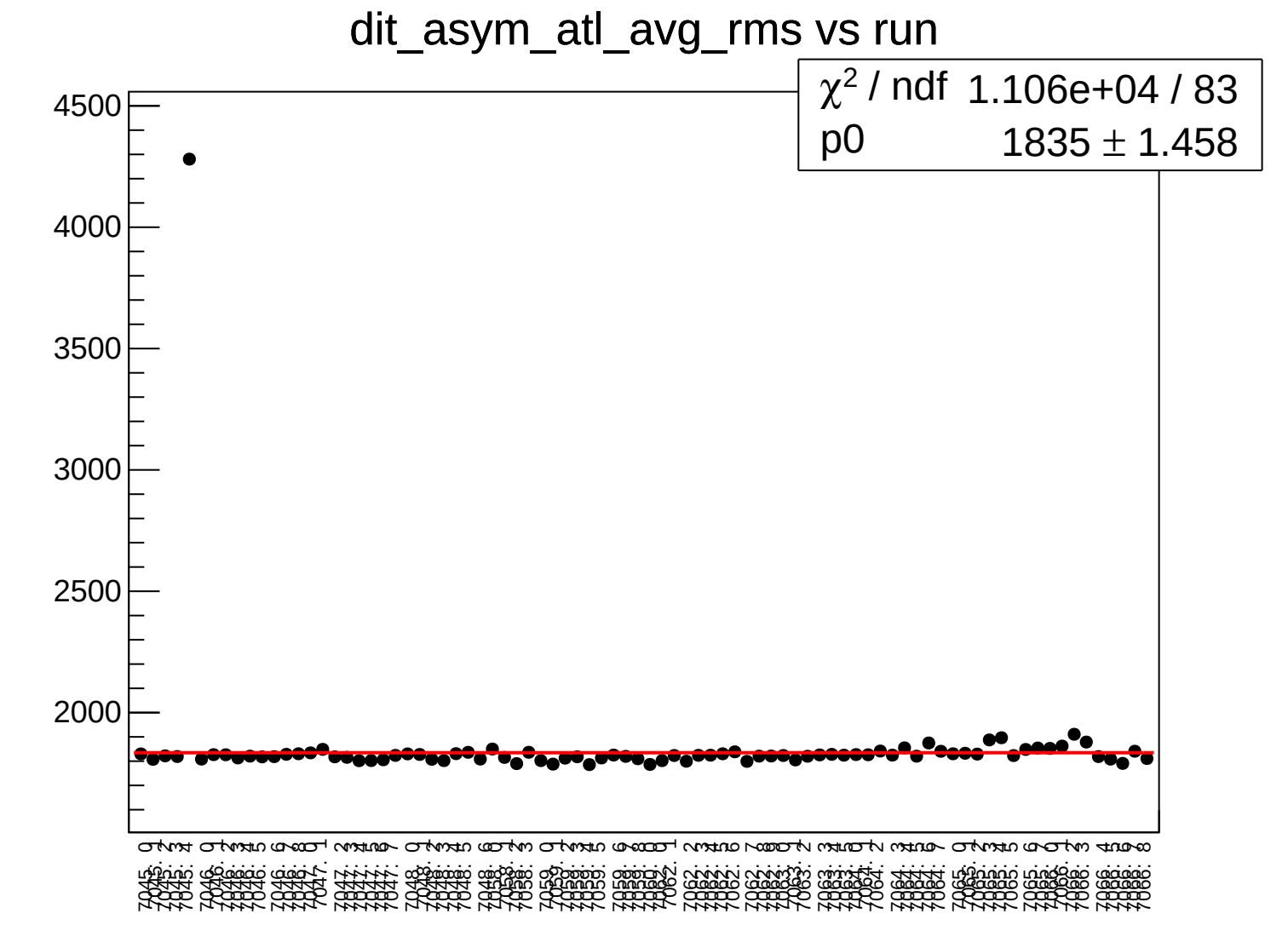

asym_at2_dd_mean vs run
χ² / ndf 66.39 / 83
p0 −4757 ± 2279
pull
Entries 84
Mean −520.8
Std Dev 567.8

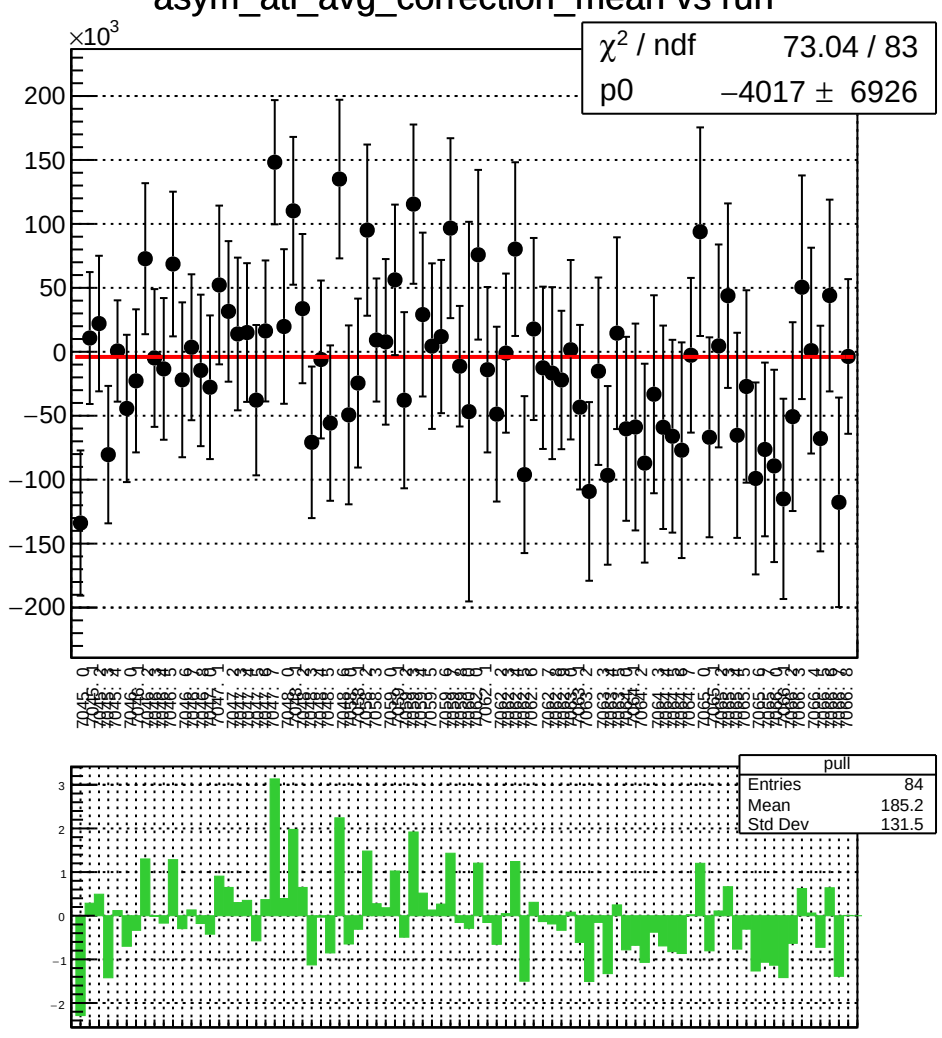

pull1D
Entries 84
Mean 0.006884
Std Dev 0.889

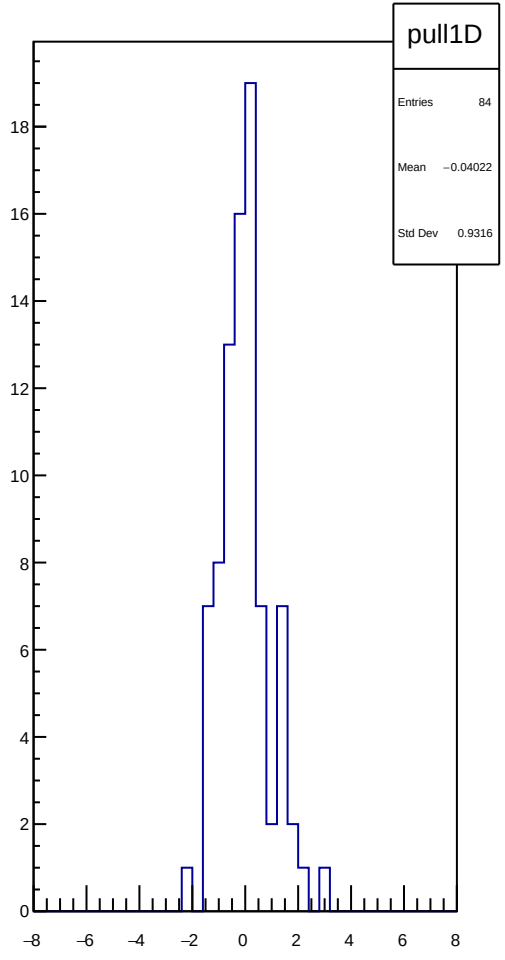

asym_at2_dd_rms vs run
χ^2 / ndf 270.8 / 83
p0 2035 ± 1.611
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

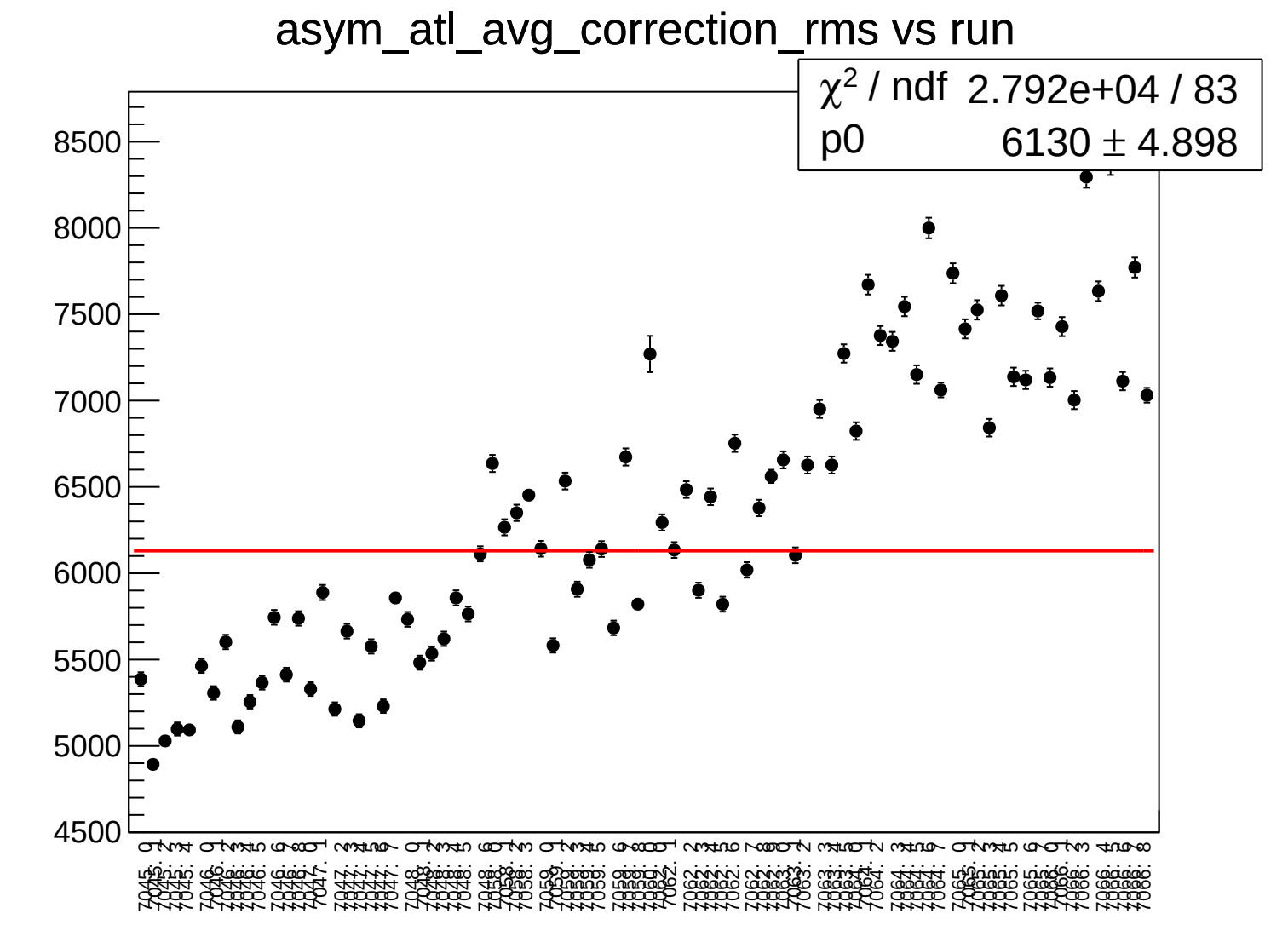

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 96.29 / 83
p0 4107 ± 2062
pull
Entries 84
Mean −113.4
Std Dev 158.2

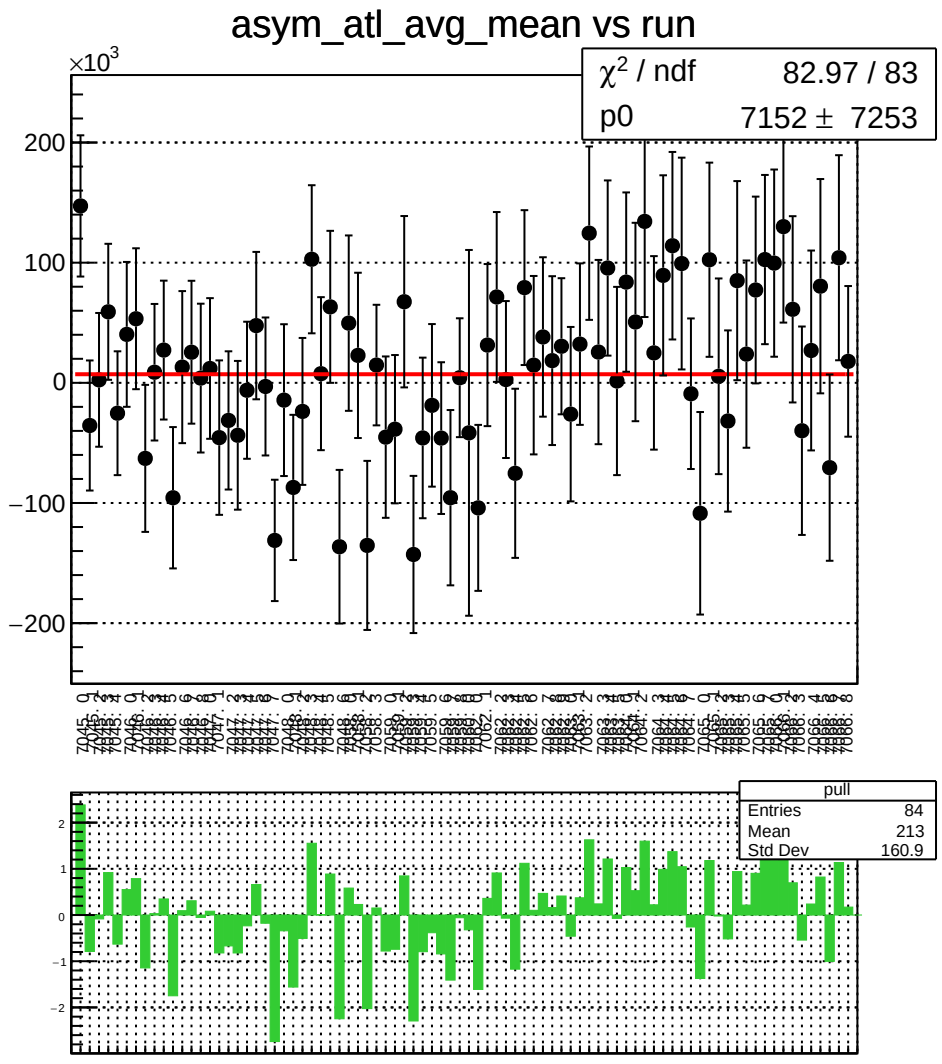

pull1D
Entries 84
Mean −0.02489
Std Dev 1.07

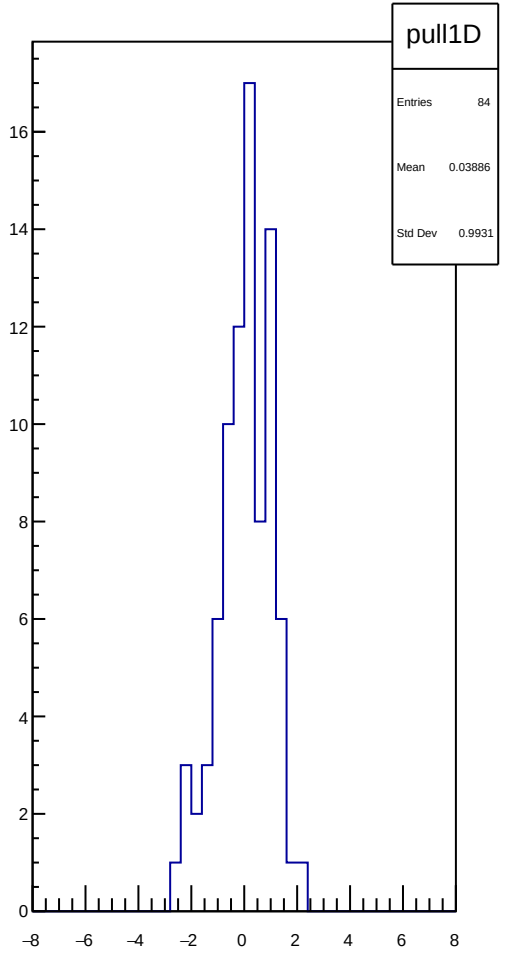

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.106e+04 / 83
p0 1835 ± 1.458
4500
4000
3500
3000
2500
2000

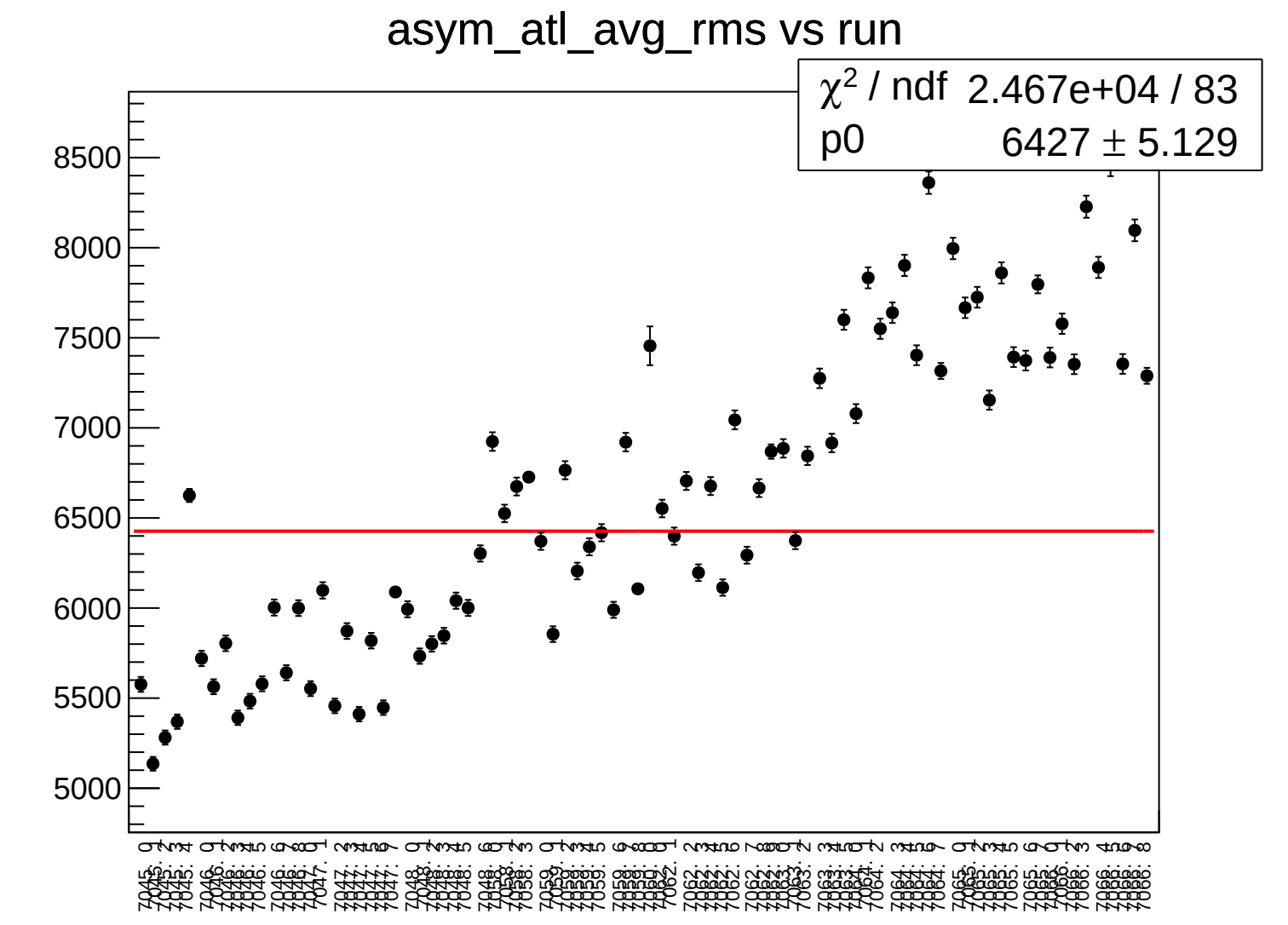

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 73.04 / 83
p0 −4017 ± 6926
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 185.2
Std Dev 131.5
3
2
1
0
−1
−2

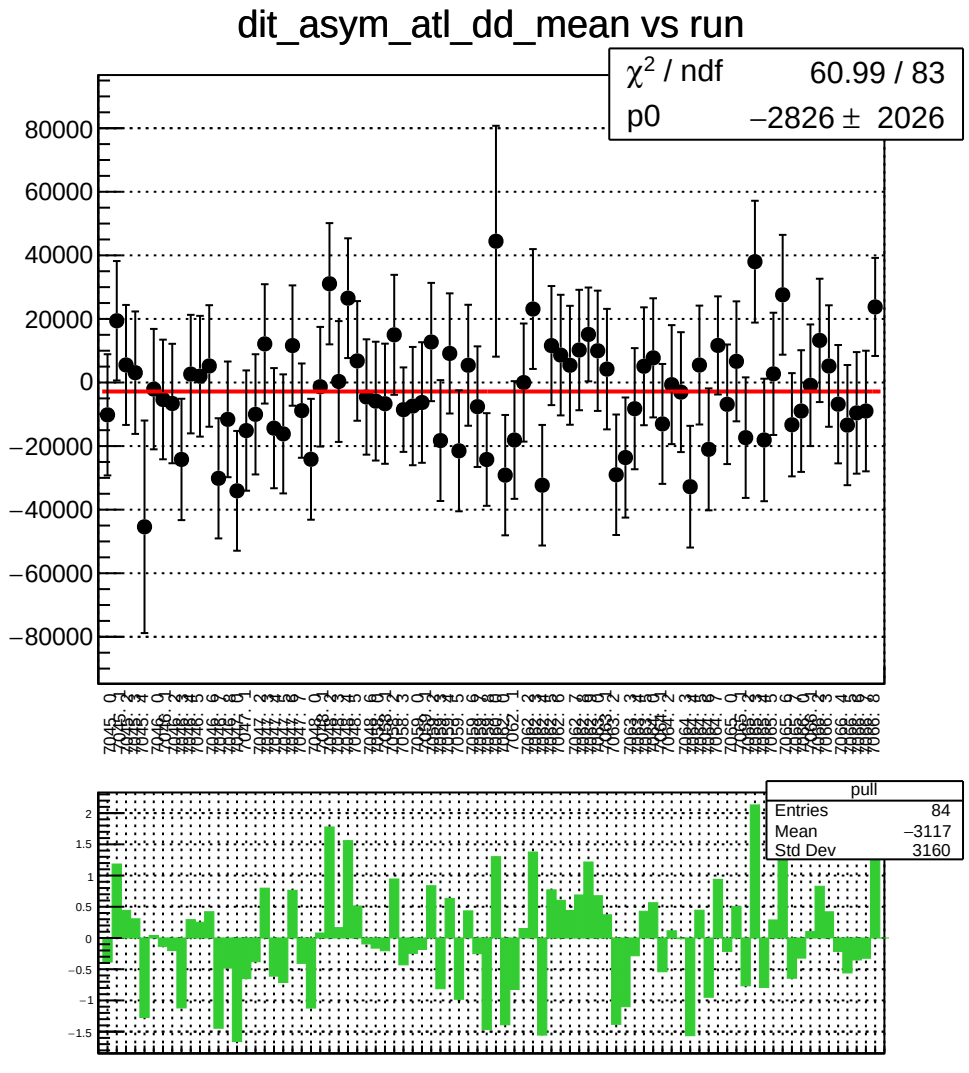

pull1D
Entries 84
Mean −0.04022
Std Dev 0.9316
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

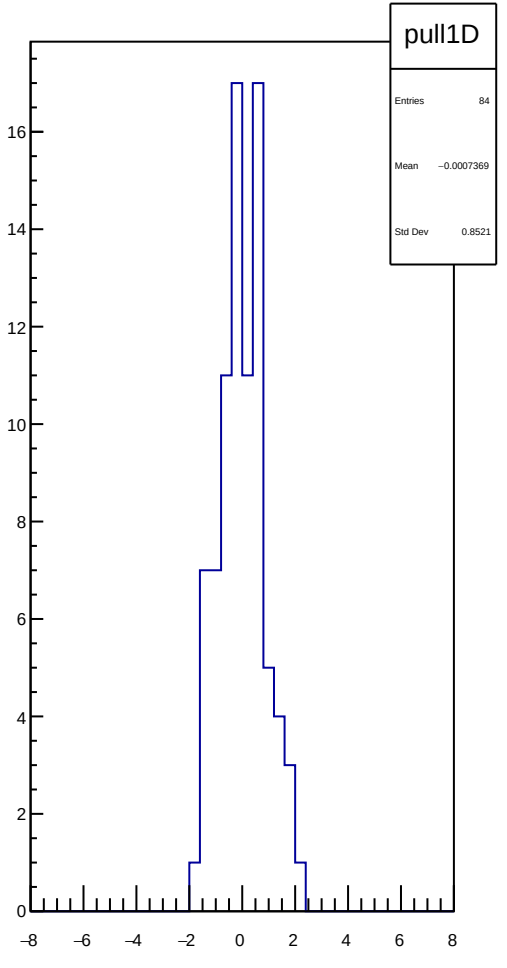

asym_atl_avg_correction_rms vs run
χ² / ndf 2.792e+04 / 83
p0 6130 ± 4.898
8500
8000
7500
7000
6500
6000
5500
5000
4500

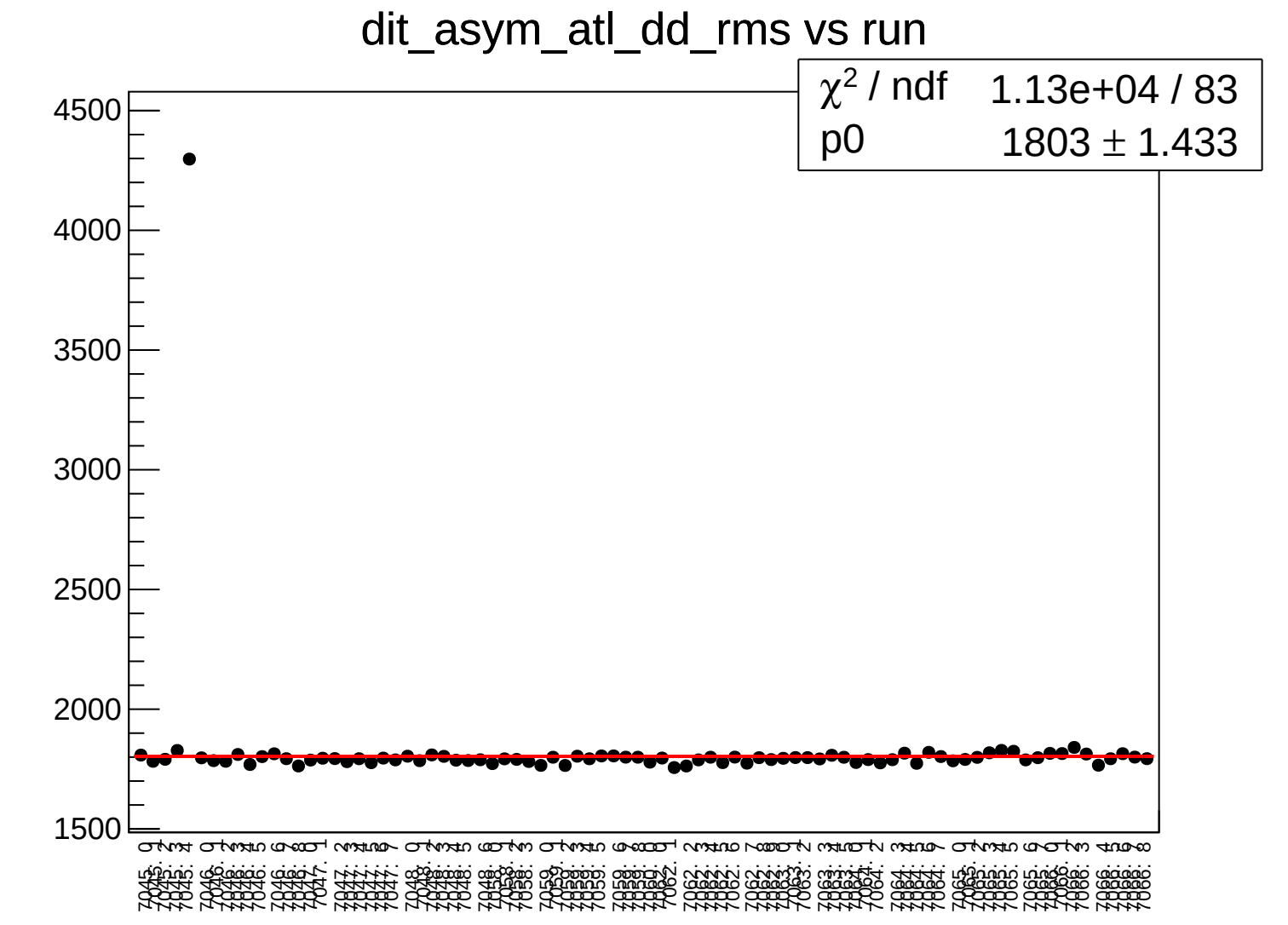

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 82.97 / 83
p0 7152 ± 7253
200
100
0
−100
−200
pull
Entries 84
Mean 213
Std Dev 160.9
2
1
0
−1
−2

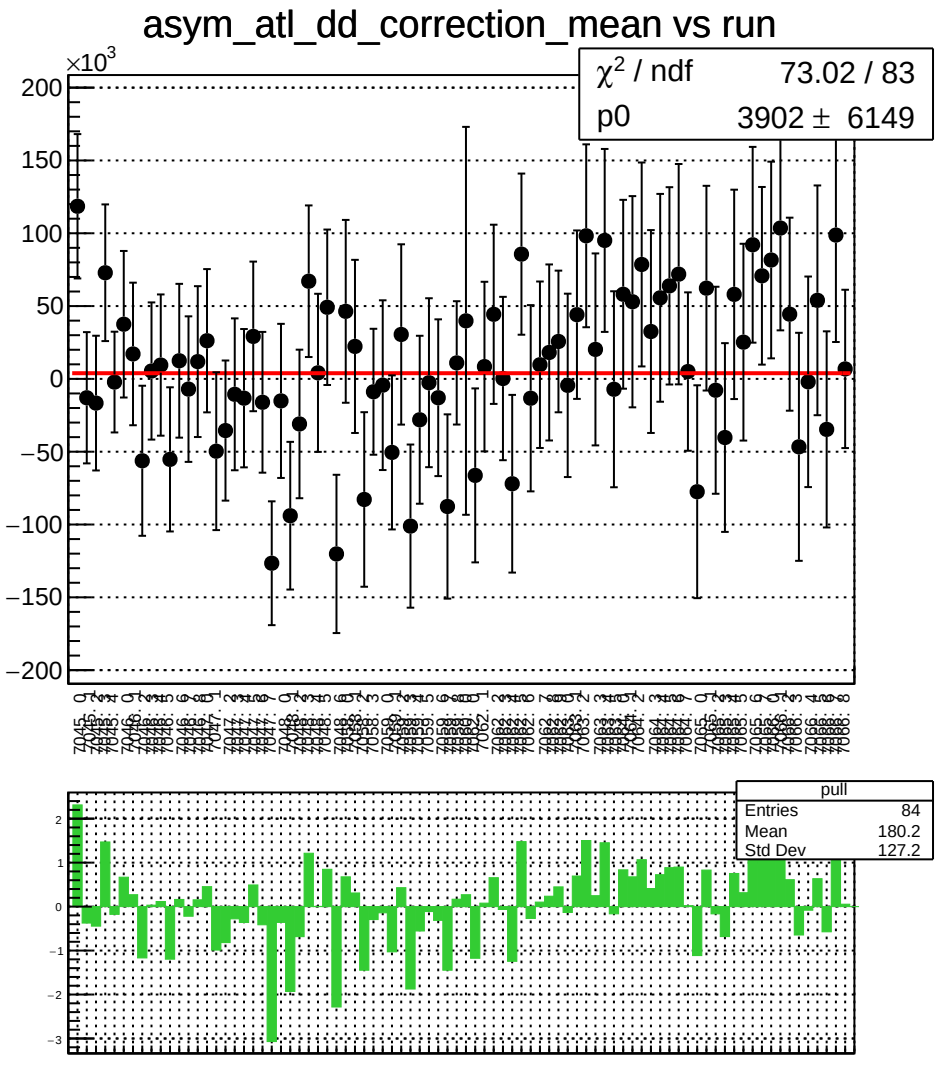

pull1D
Entries 84
Mean 0.03886
Std Dev 0.9931
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

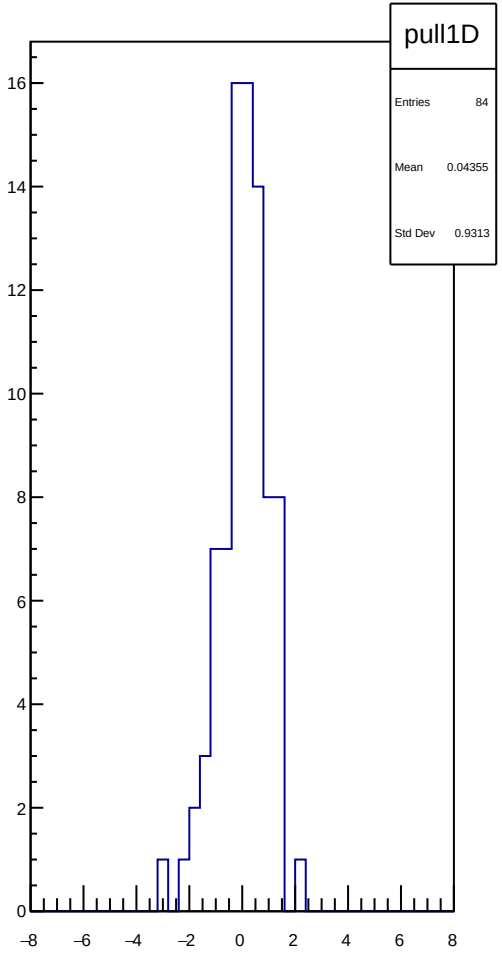

asym_atl_avg_rms vs run
χ² / ndf 2.467e+04 / 83
p0 6427 ± 5.129
8500
8000
7500
7000
6500
6000
5500
5000

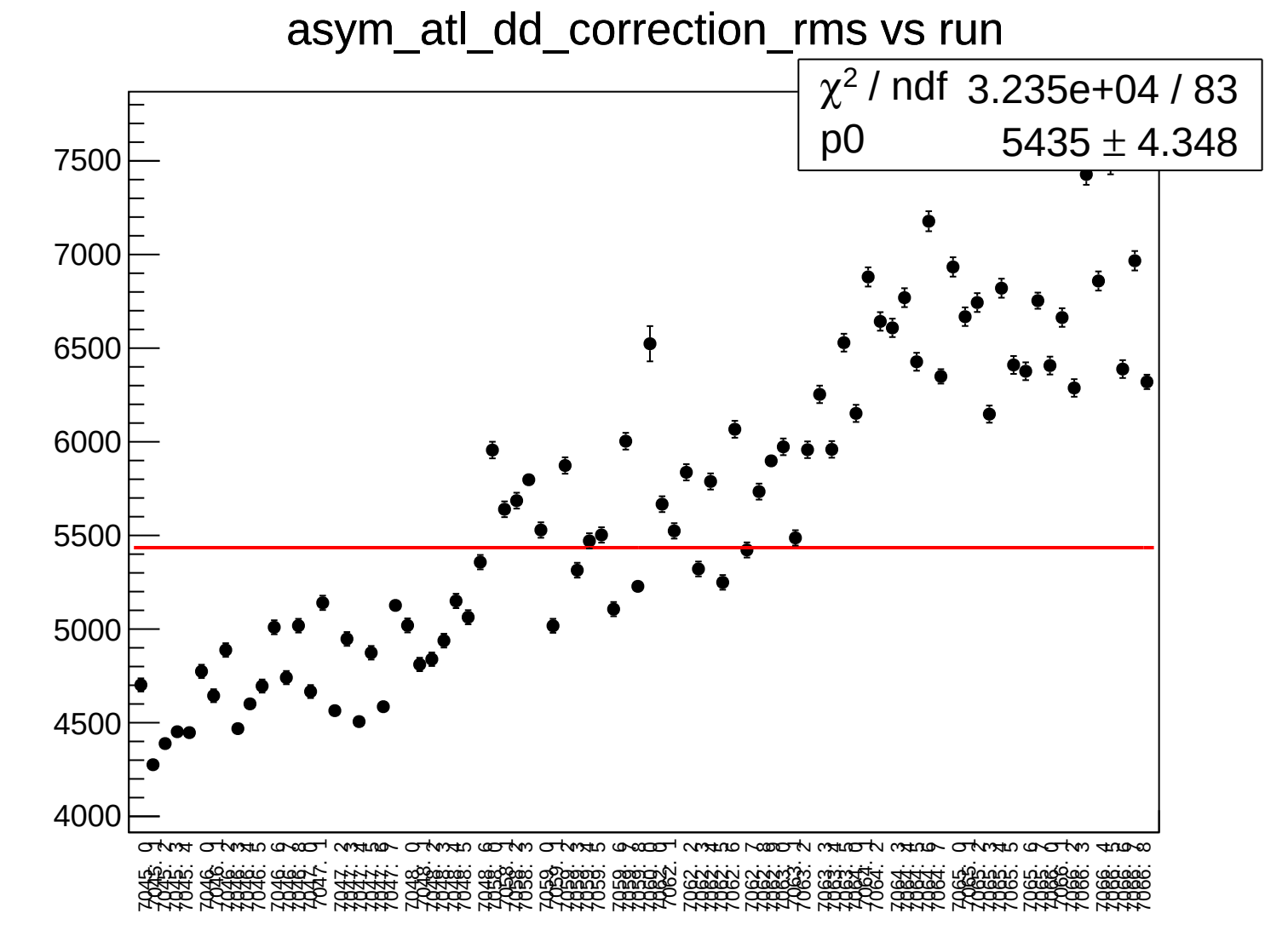

dit_asym_atl_dd_mean vs run
χ² / ndf 60.99 / 83
p0 −2826 ± 2026
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean −3117
Std Dev 3160
2
1.5
1
0.5
0
−0.5
−1
−1.5

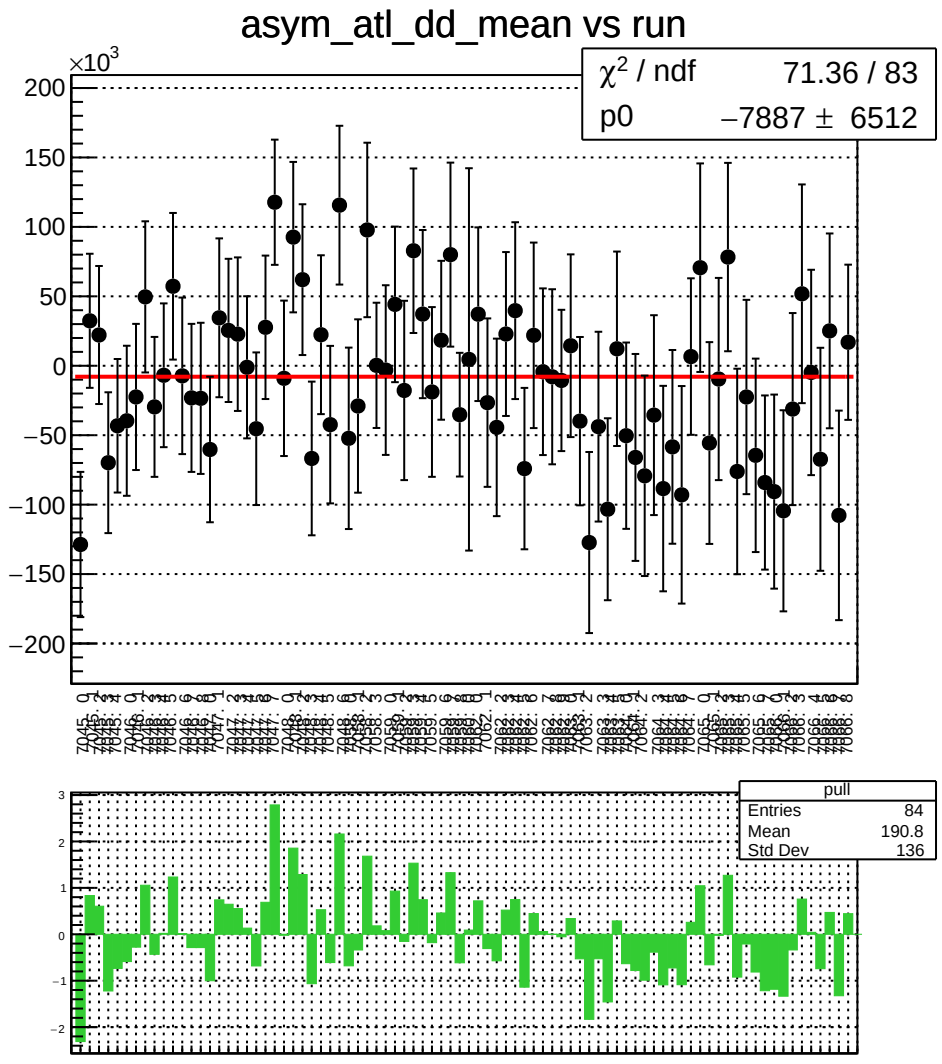

pull1D
Entries 84
Mean −0.0007369
Std Dev 0.8521
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

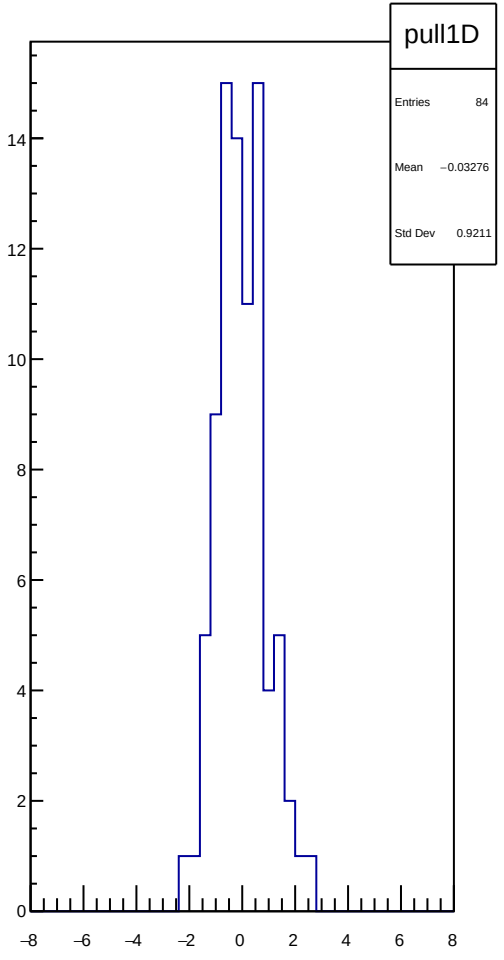

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1.13e+04 / 83
p0 1803 ± 1.433
4500
4000
3500
3000
2500
2000
1500

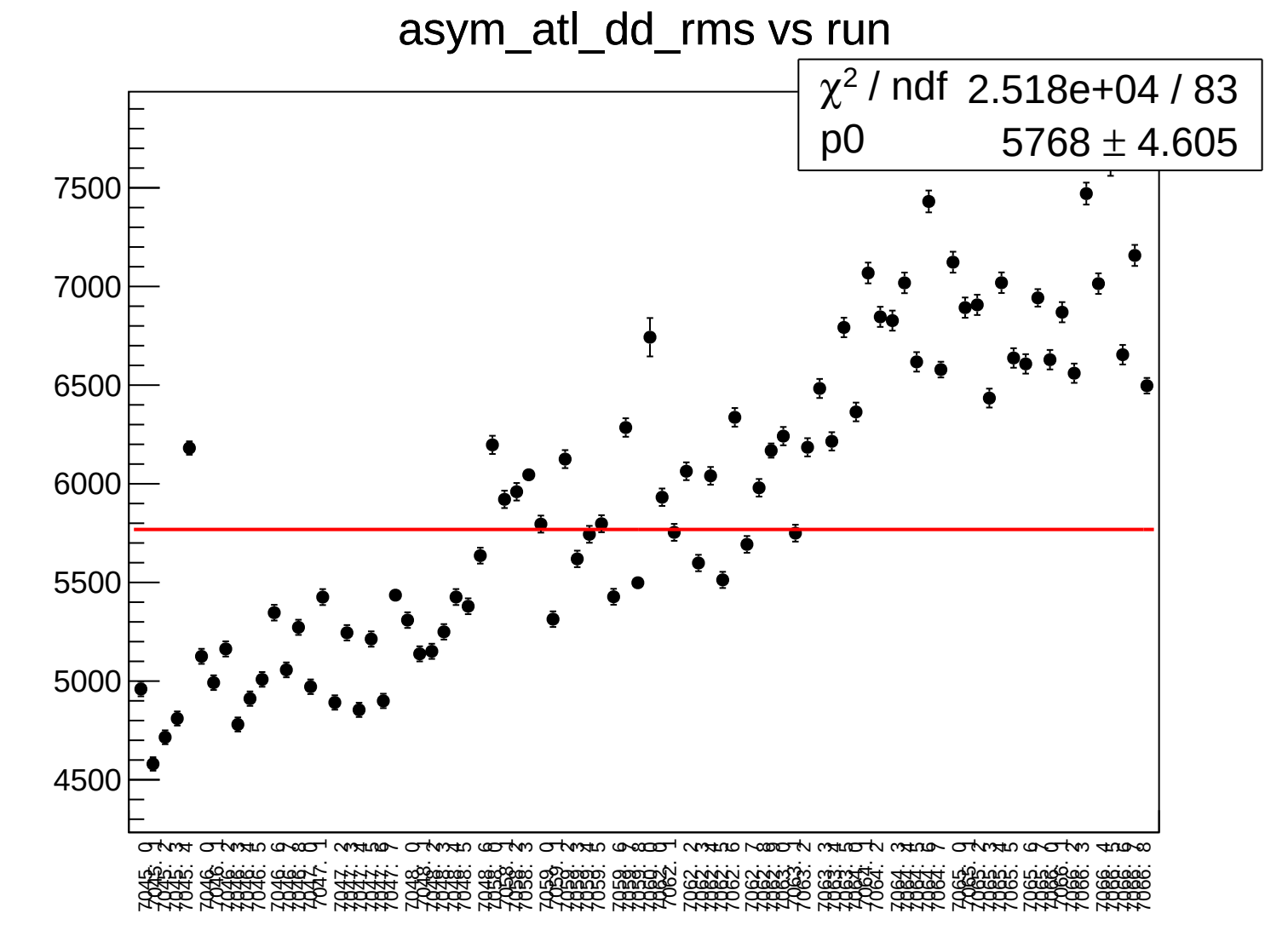

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 73.02 / 83
p0 3902 ± 6149
pull
Entries 84
Mean 180.2
Std Dev 127.2

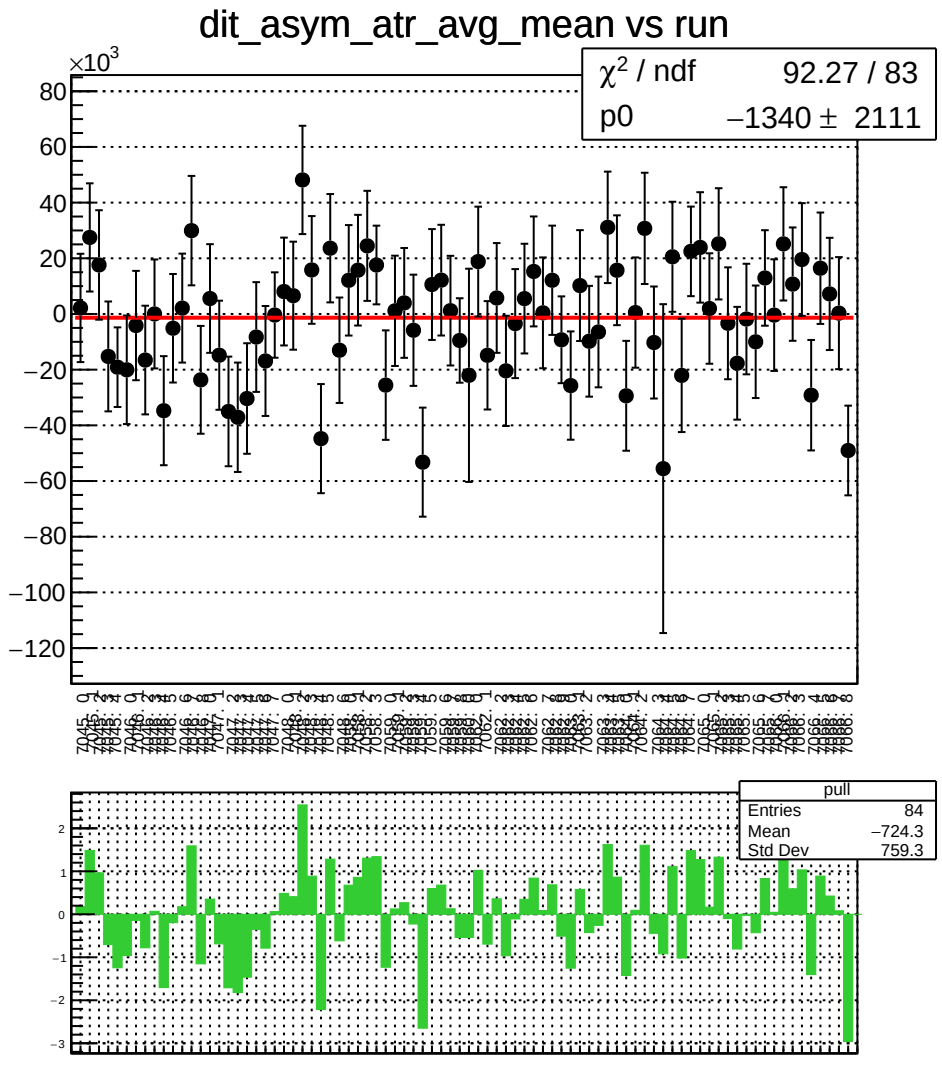

pull1D
Entries 84
Mean 0.04355
Std Dev 0.9313

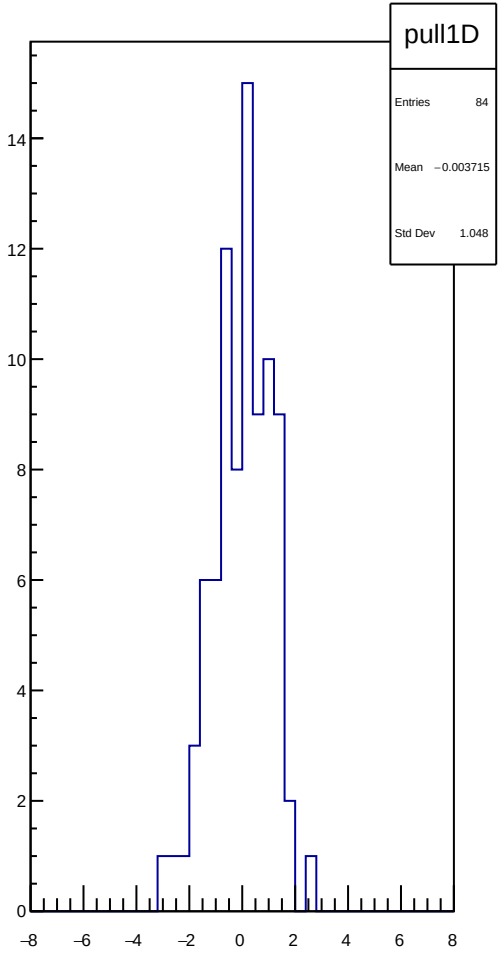

asym_atl_dd_correction_rms vs run
χ² / ndf 3.235e+04 / 83
p0 5435 ± 4.348
7500
7000
6500
6000
5500
5000
4500
4000

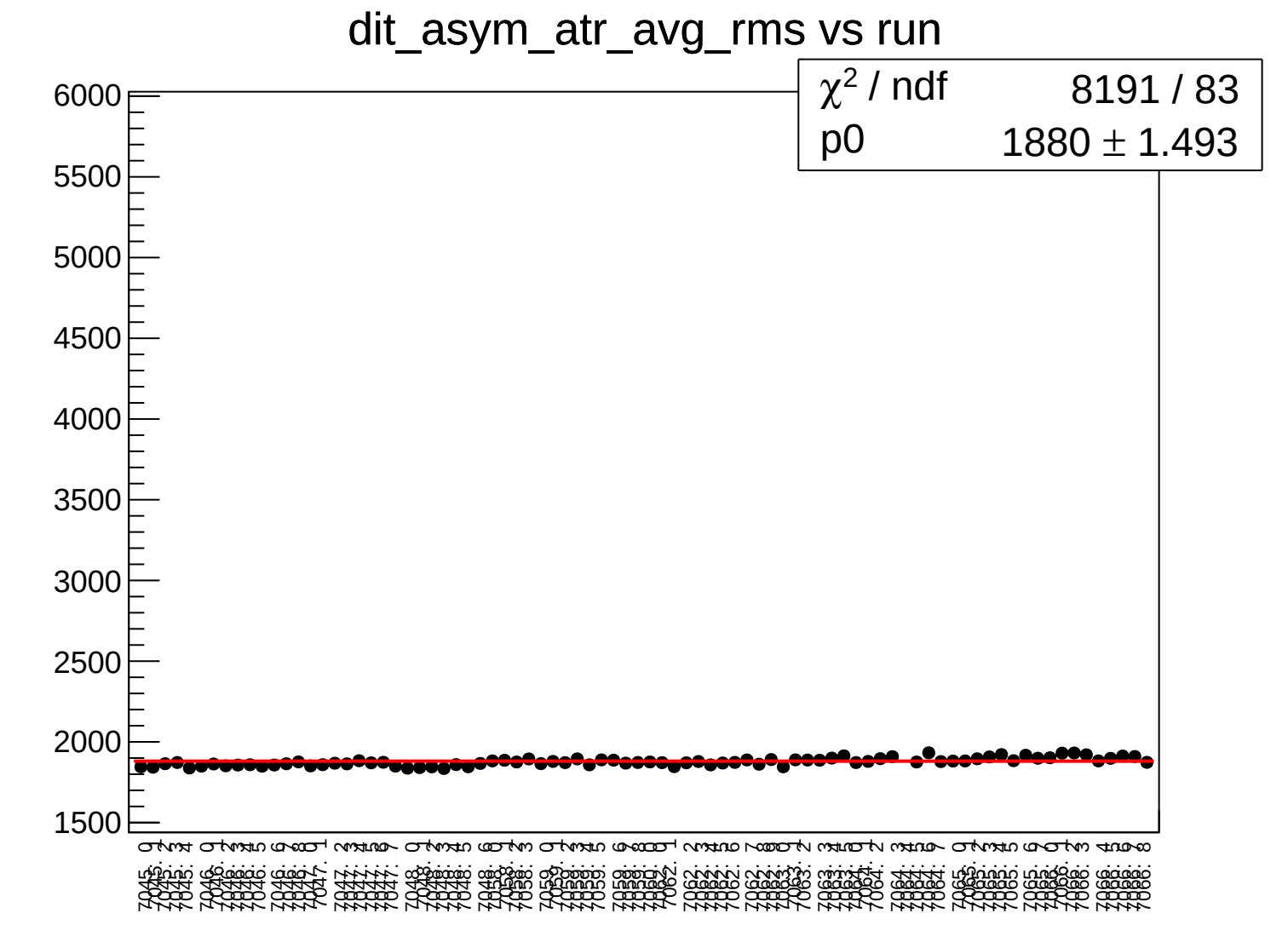

asym_atl_dd_mean vs run
×10^3
χ² / ndf 71.36 / 83
p0 −7887 ± 6512
pull
Entries 84
Mean 190.8
Std Dev 136

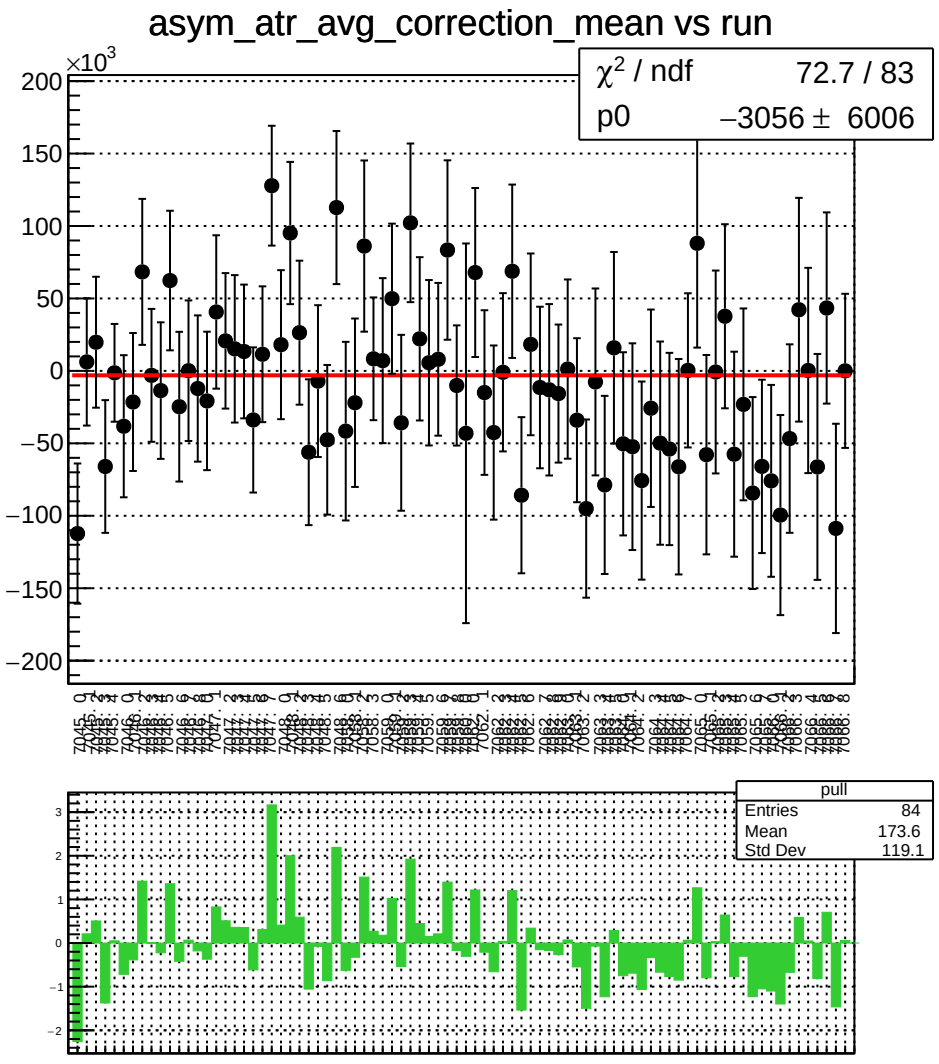

pull1D
Entries 84
Mean −0.03276
Std Dev 0.9211

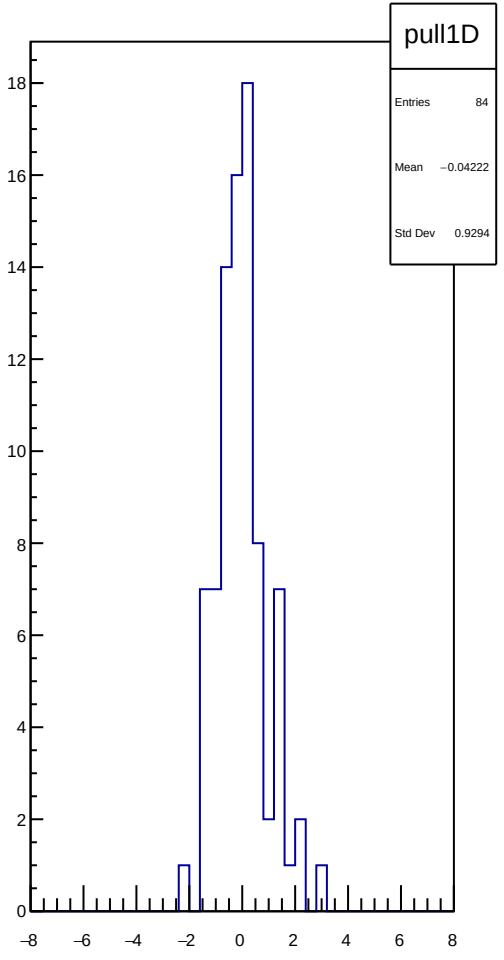

asym_atl_dd_rms vs run
χ² / ndf 2.518e+04 / 83
p0 5768 ± 4.605
7500
7000
6500
6000
5500
5000
4500

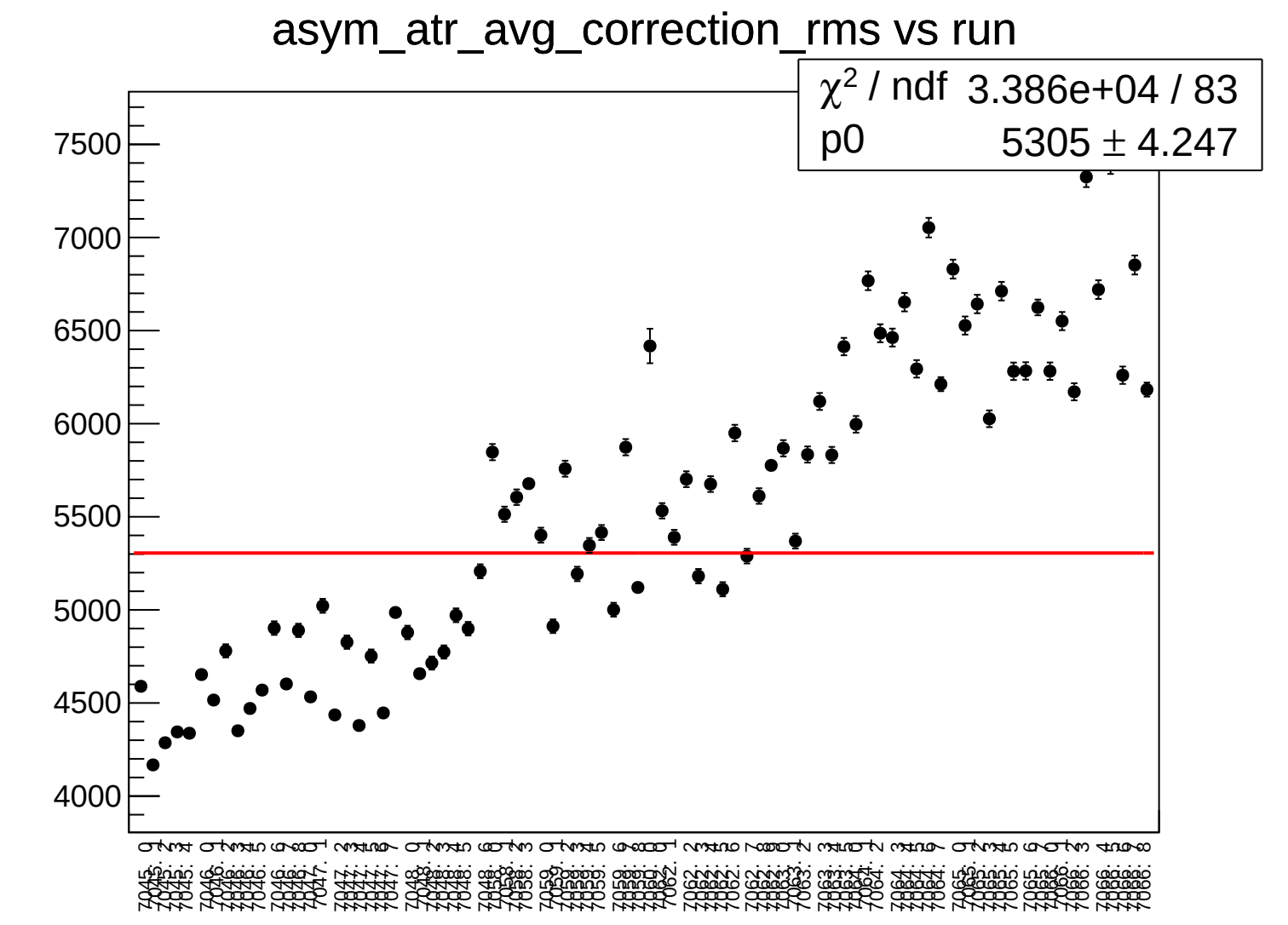

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 92.27 / 83
p0 −1340 ± 2111
pull
Entries 84
Mean −724.3
Std Dev 759.3

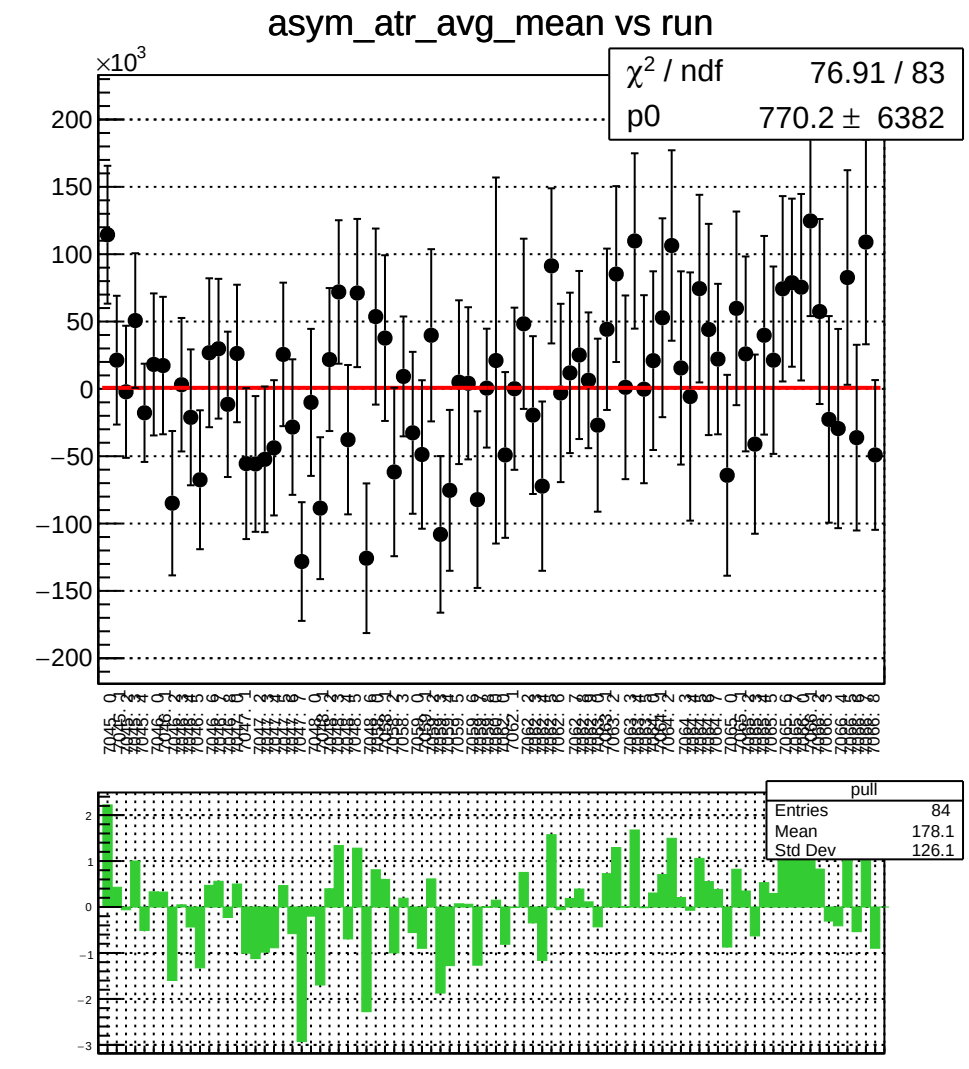

pull1D
Entries 84
Mean −0.003715
Std Dev 1.048

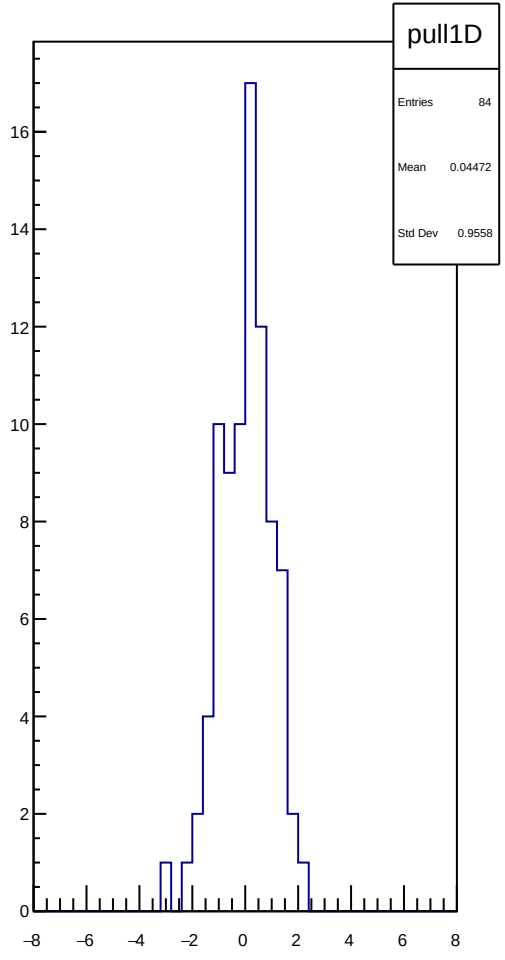

dit_asym_atr_avg_rms vs run
χ^2 / ndf 8191 / 83
p0 1880 ± 1.493
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

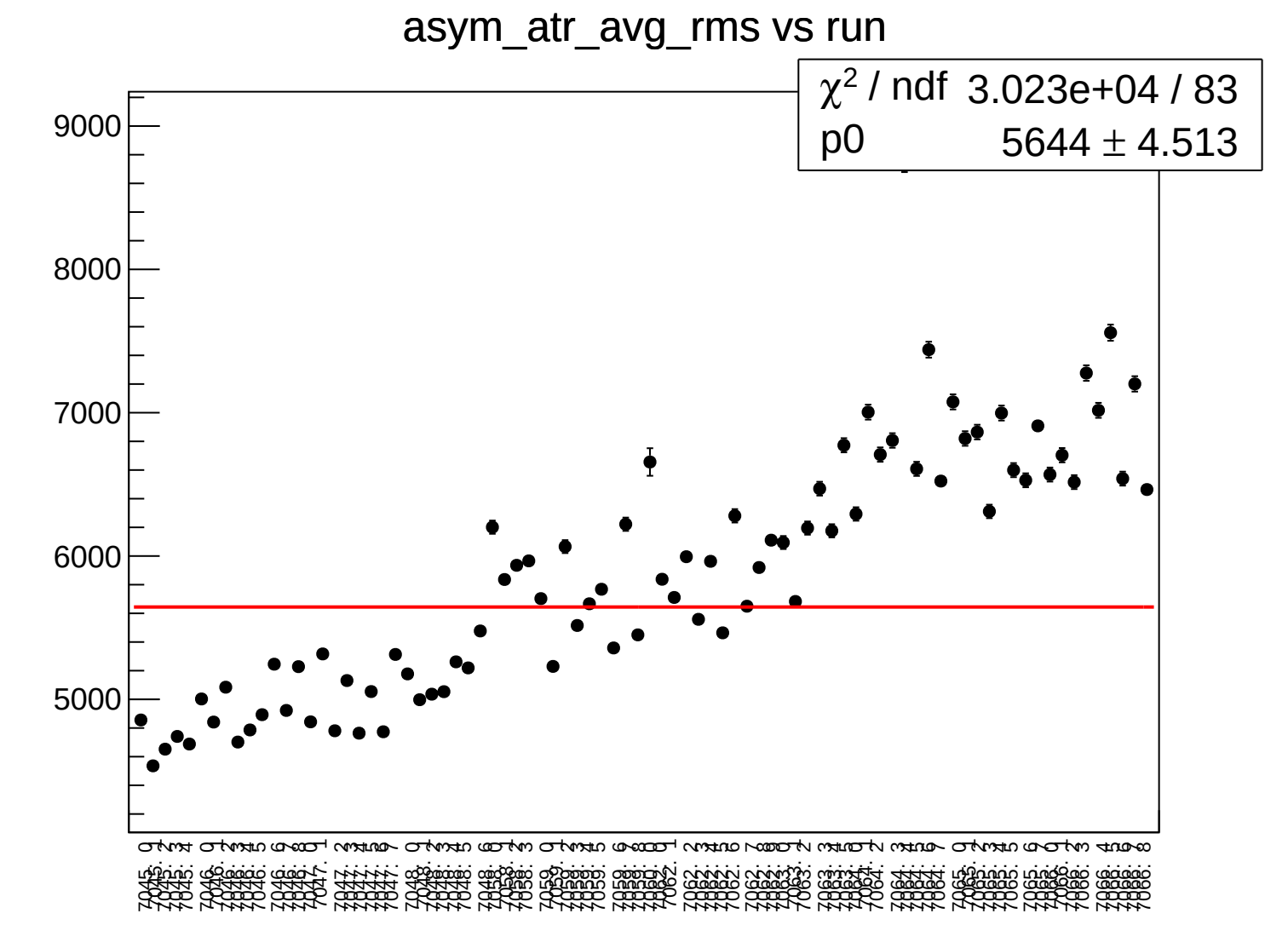

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 72.7 / 83
p0 −3056 ± 6006
pull
Entries 84
Mean 173.6
Std Dev 119.1

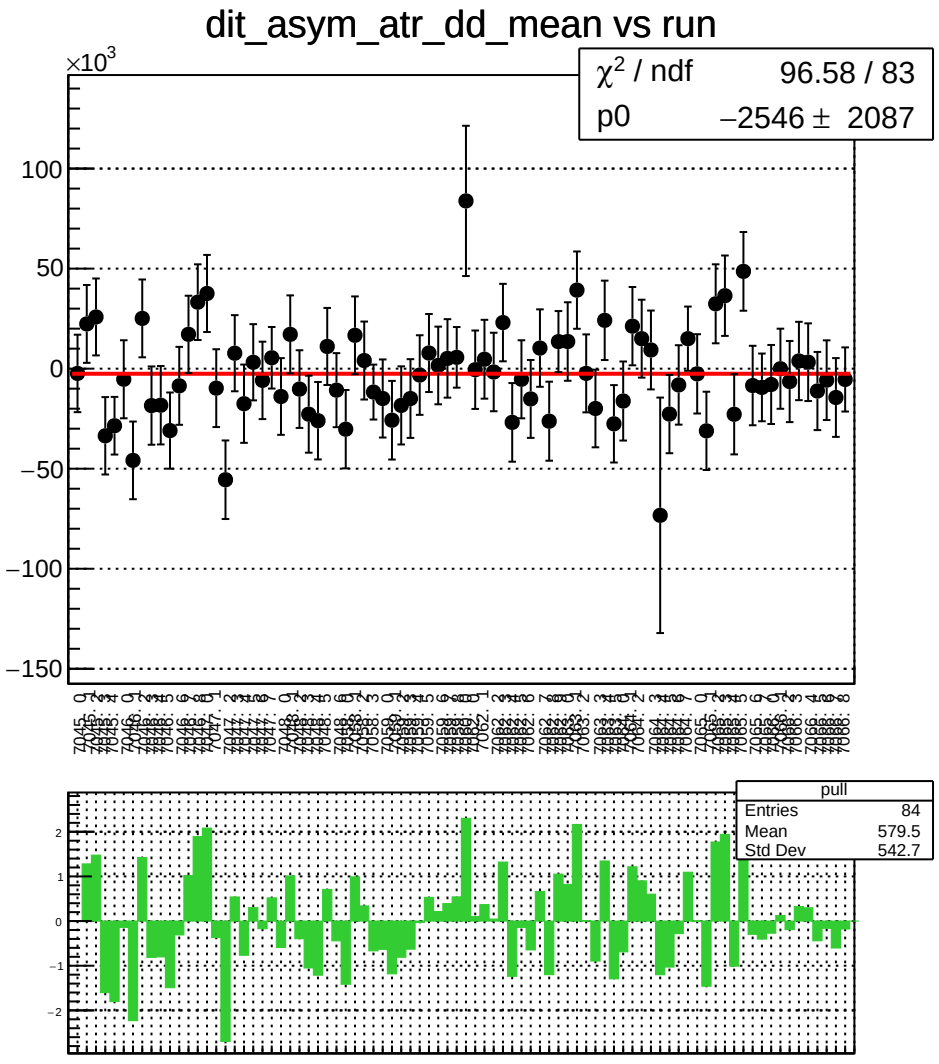

pull1D
Entries 84
Mean −0.04222
Std Dev 0.9294

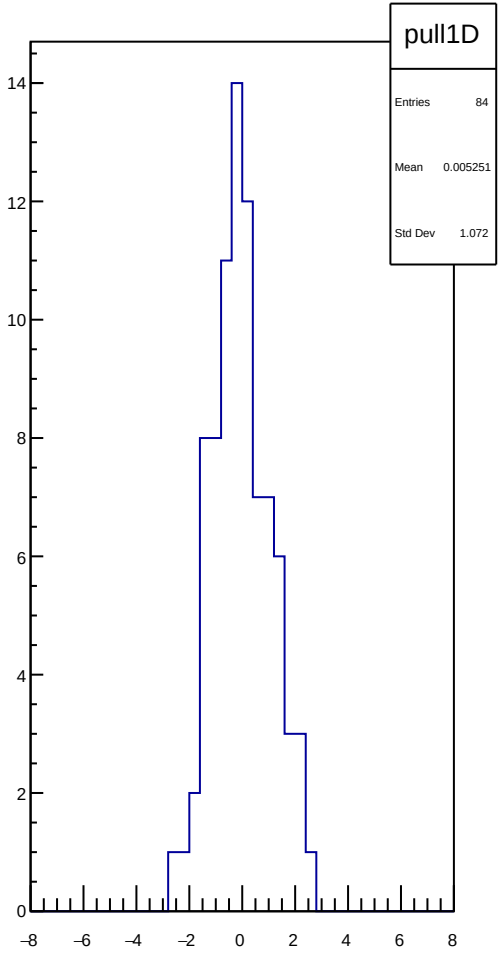

asym_atr_avg_correction_rms vs run
χ² / ndf 3.386e+04 / 83
p0 5305 ± 4.247
7500
7000
6500
6000
5500
5000
4500
4000

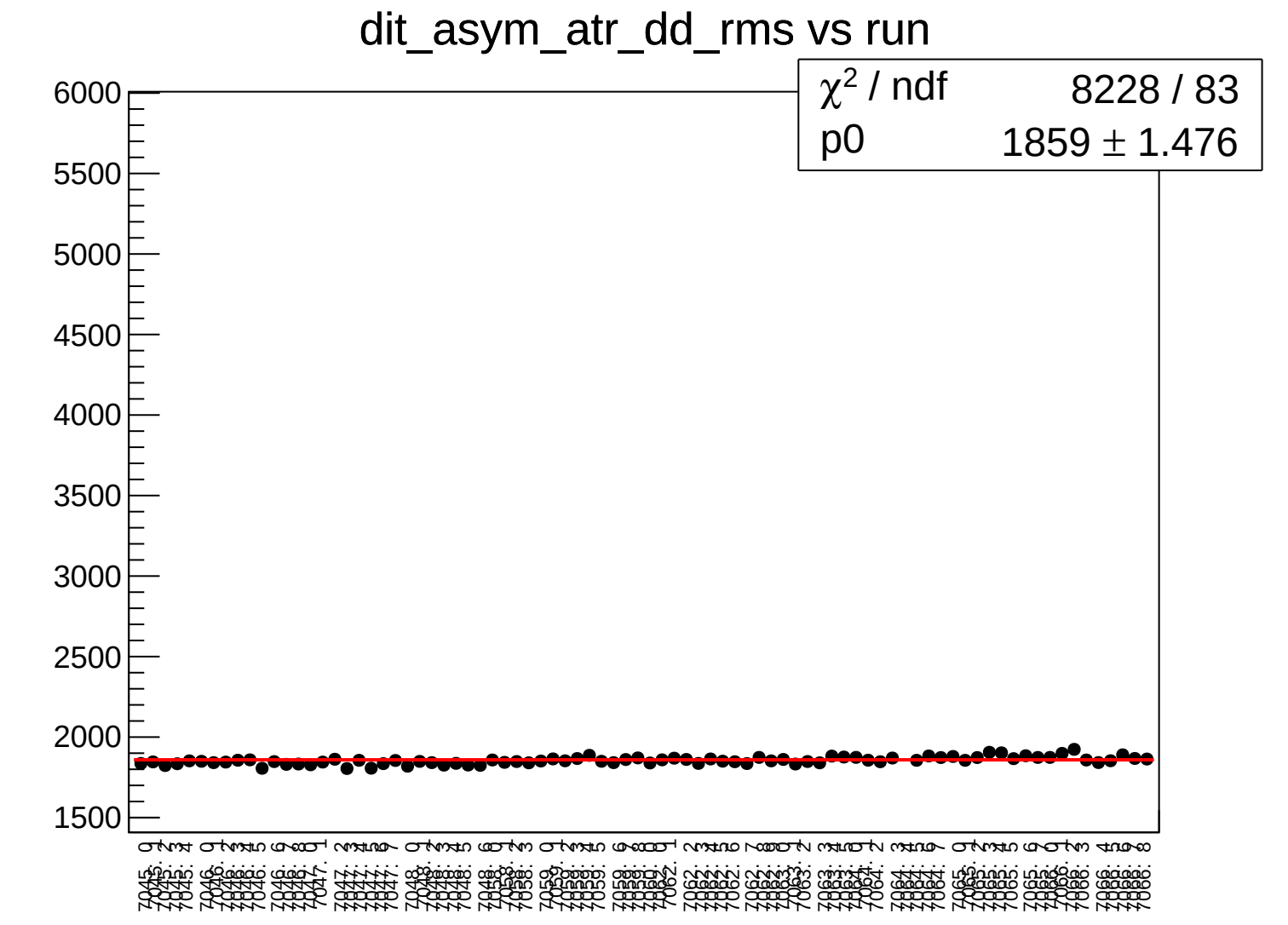

asym_atr_avg_mean vs run
×10^3
χ² / ndf 76.91 / 83
p0 770.2 ± 6382
pull
Entries 84
Mean 178.1
Std Dev 126.1

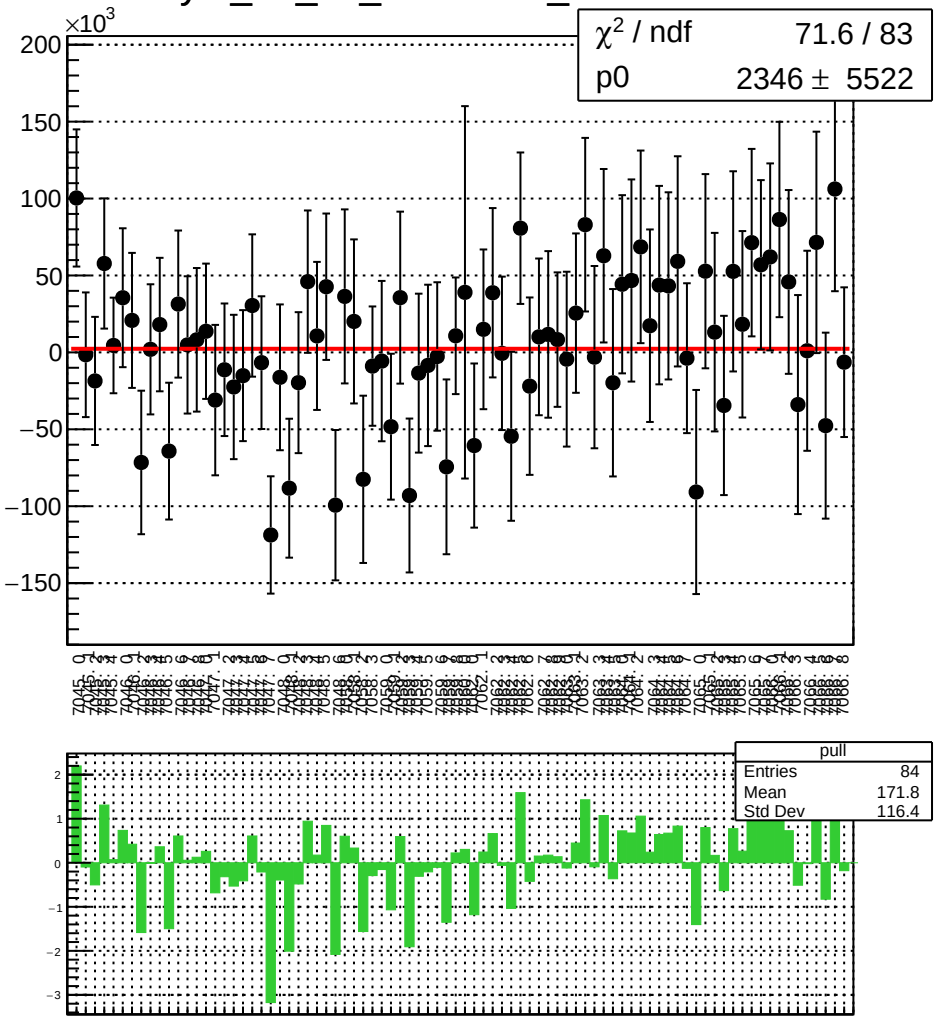

pull1D
Entries 84
Mean 0.04472
Std Dev 0.9558

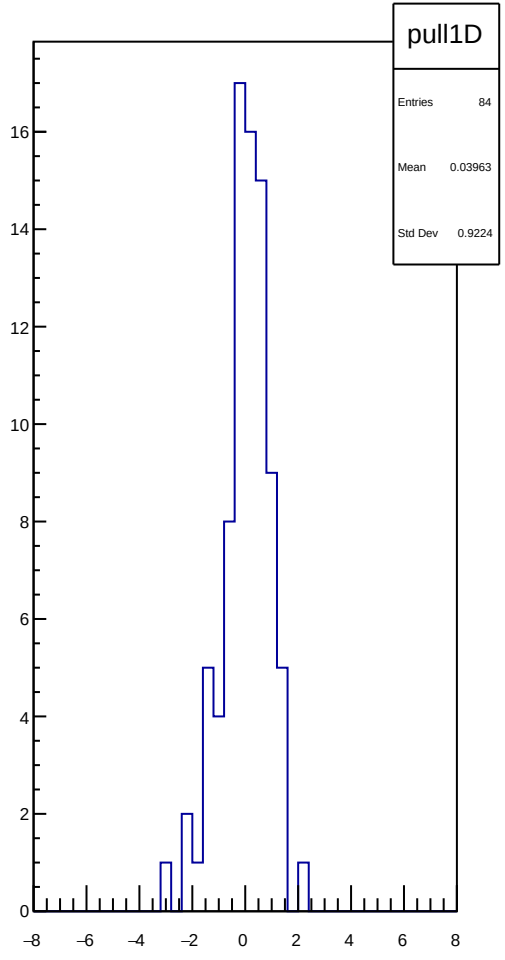

asym_atr_avg_rms vs run
χ^2 / ndf 3.023e+04 / 83
p0 5644 ± 4.513
9000
8000
7000
6000
5000

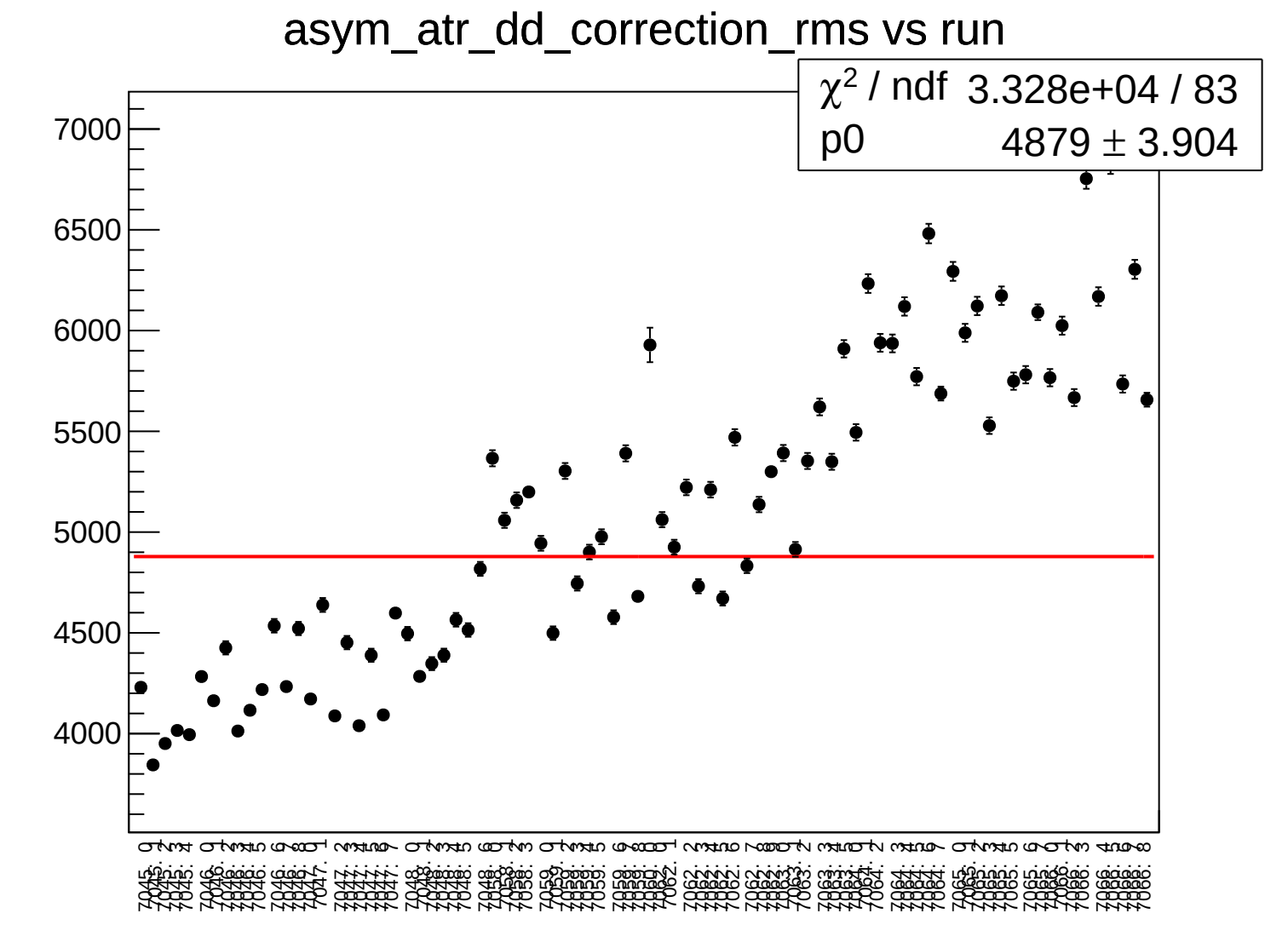

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 96.58 / 83
p0 −2546 ± 2087
100
50
0
−50
−100
−150
pull
Entries 84
Mean 579.5
Std Dev 542.7
2
1
0
−1
−2

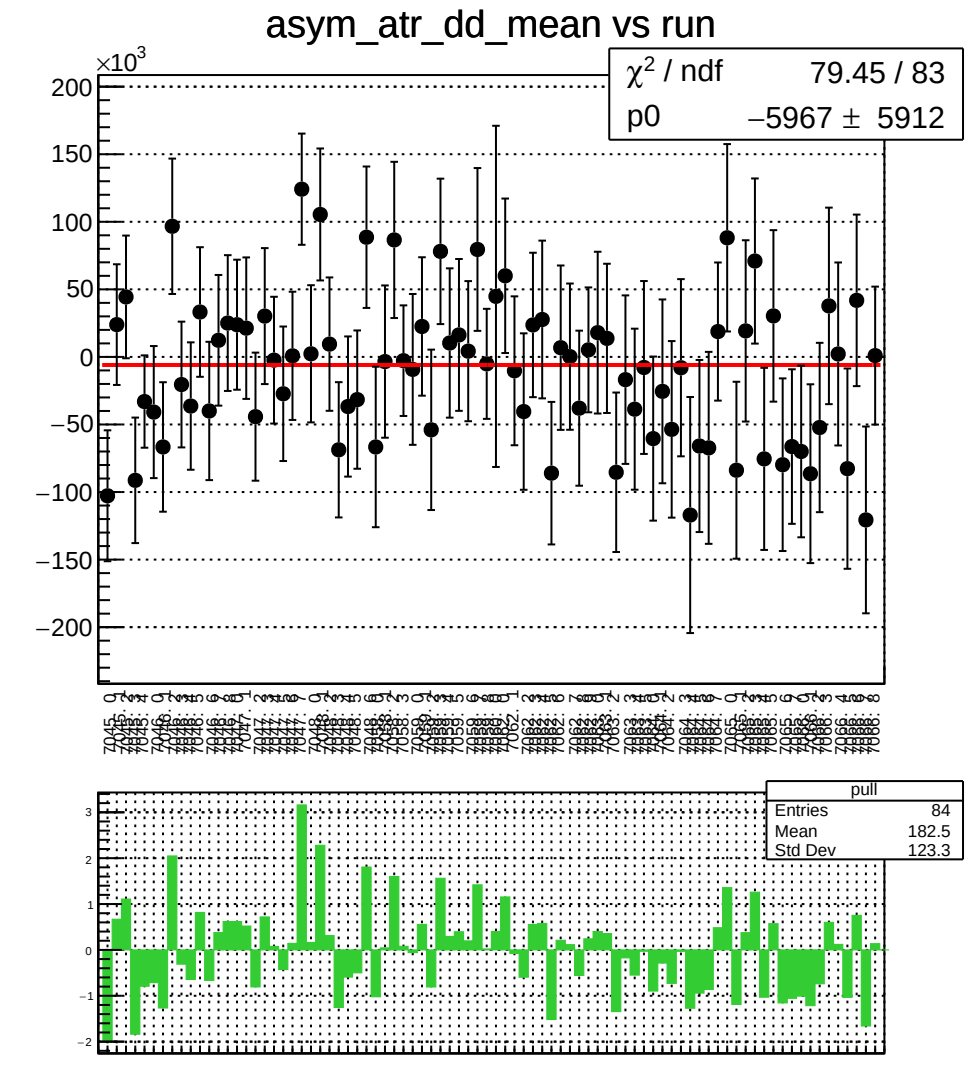

pull1D
Entries 84
Mean 0.005251
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

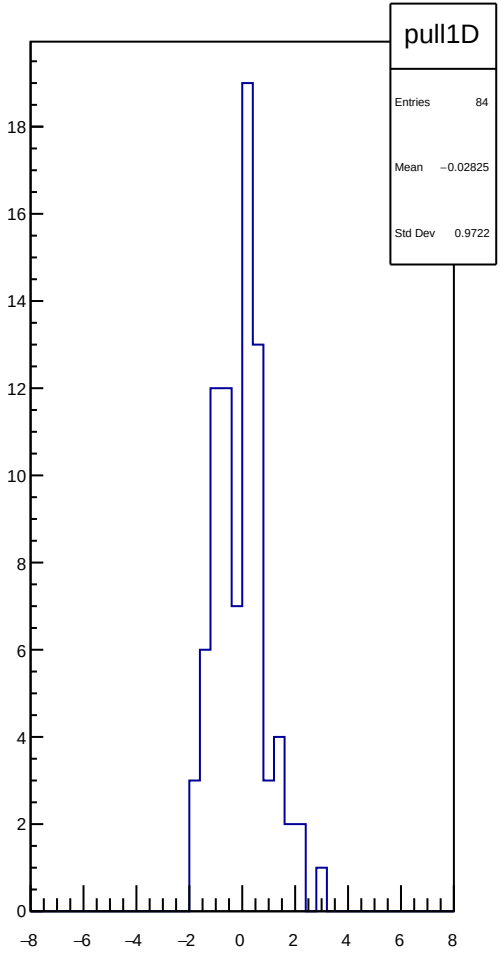

dit_asym_atr_dd_rms vs run
χ² / ndf 8228 / 83
p0 1859 ± 1.476
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

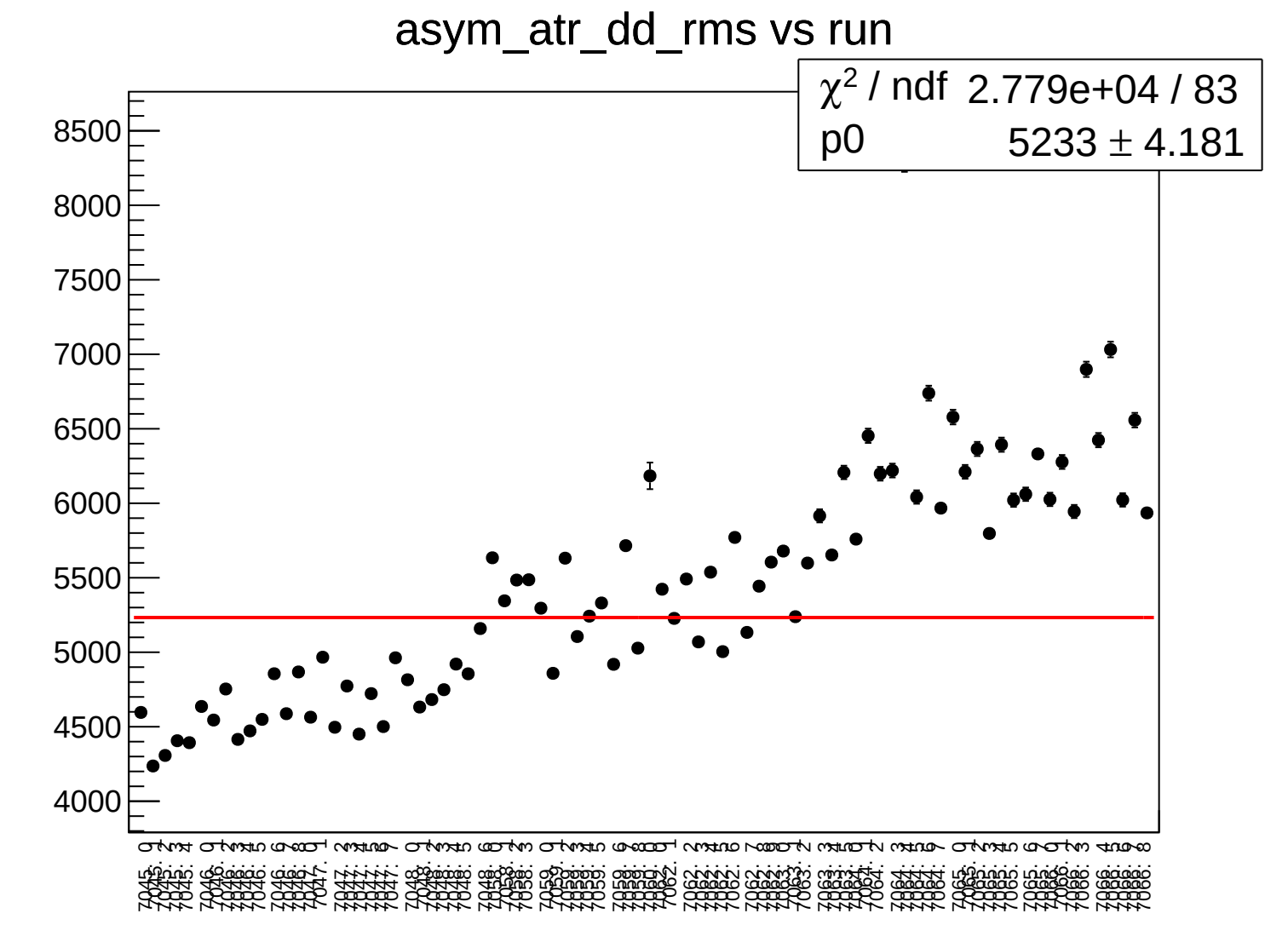

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 71.6 / 83
p0 2346 ± 5522
pull
Entries 84
Mean 171.8
Std Dev 116.4

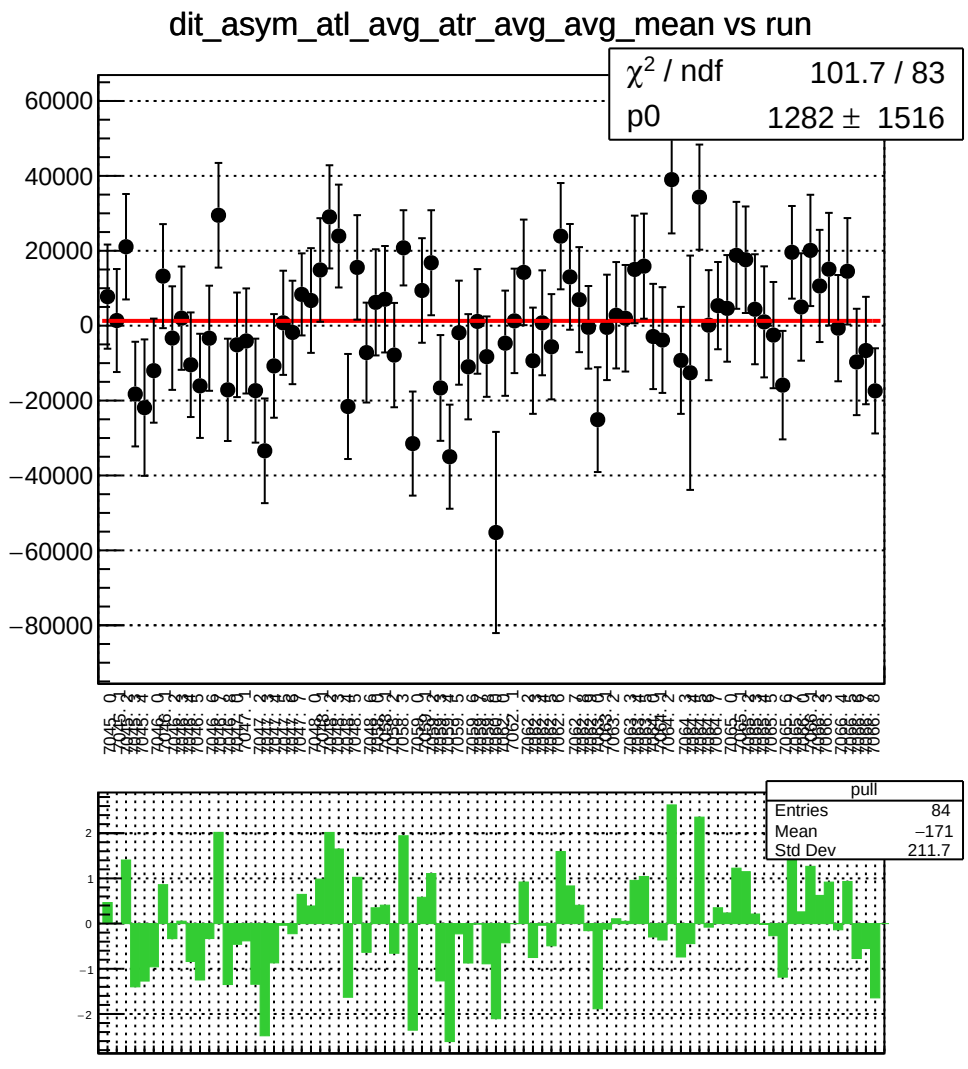

pull1D
Entries 84
Mean 0.03963
Std Dev 0.9224

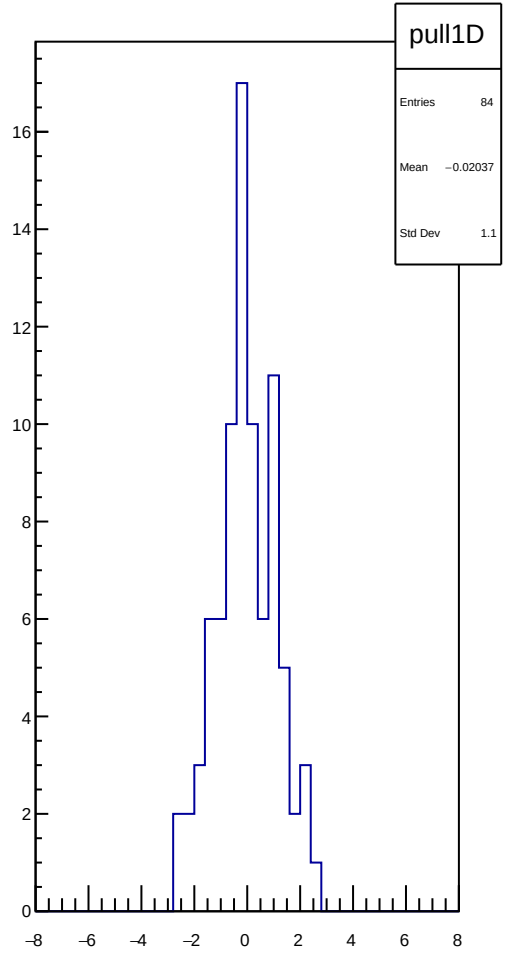

asym_atr_dd_correction_rms vs run
χ² / ndf 3.328e+04 / 83
p0 4879 ± 3.904
7000
6500
6000
5500
5000
4500
4000

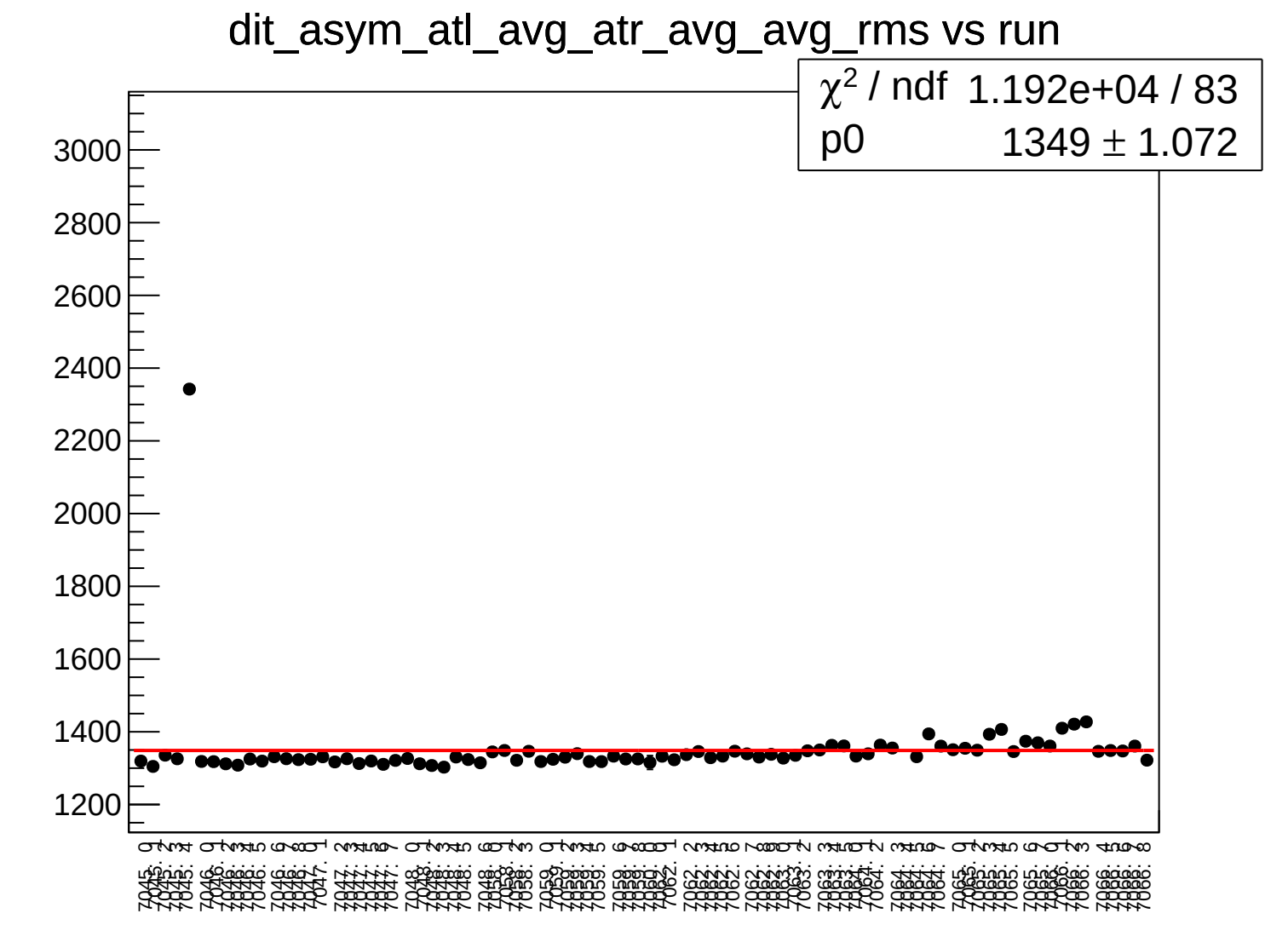

asym_atr_dd_mean vs run
×10^3
χ² / ndf 79.45 / 83
p0 −5967 ± 5912
pull
Entries 84
Mean 182.5
Std Dev 123.3

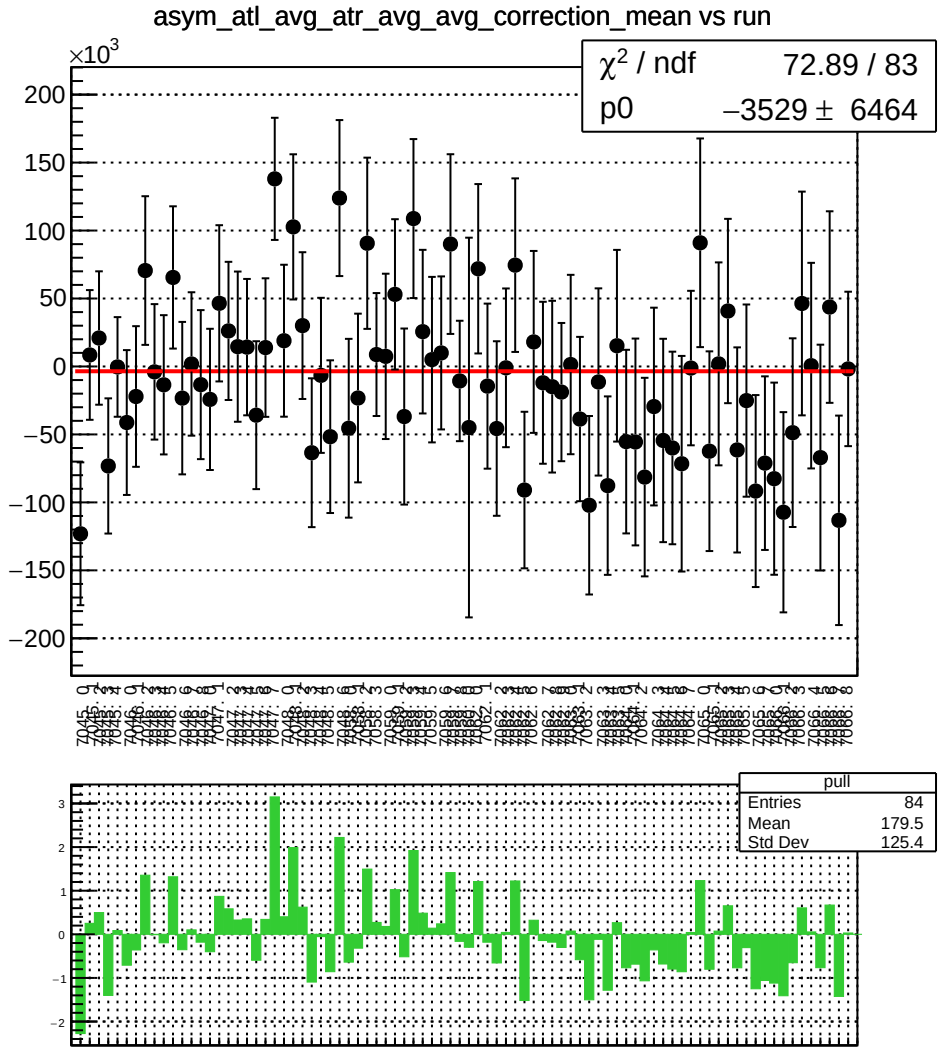

pull1D
Entries 84
Mean −0.02825
Std Dev 0.9722

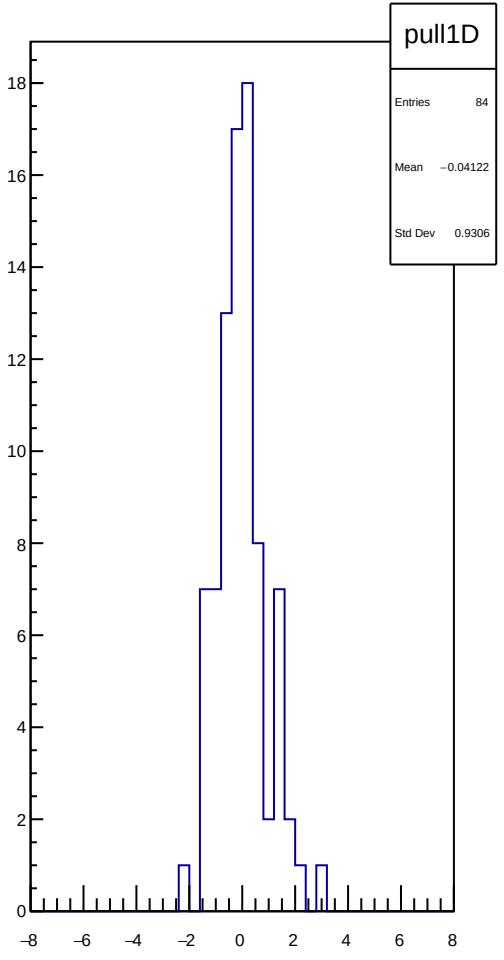

asym_atr_dd_rms vs run
χ^2 / ndf 2.779e+04 / 83
p0 5233 ± 4.181
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000

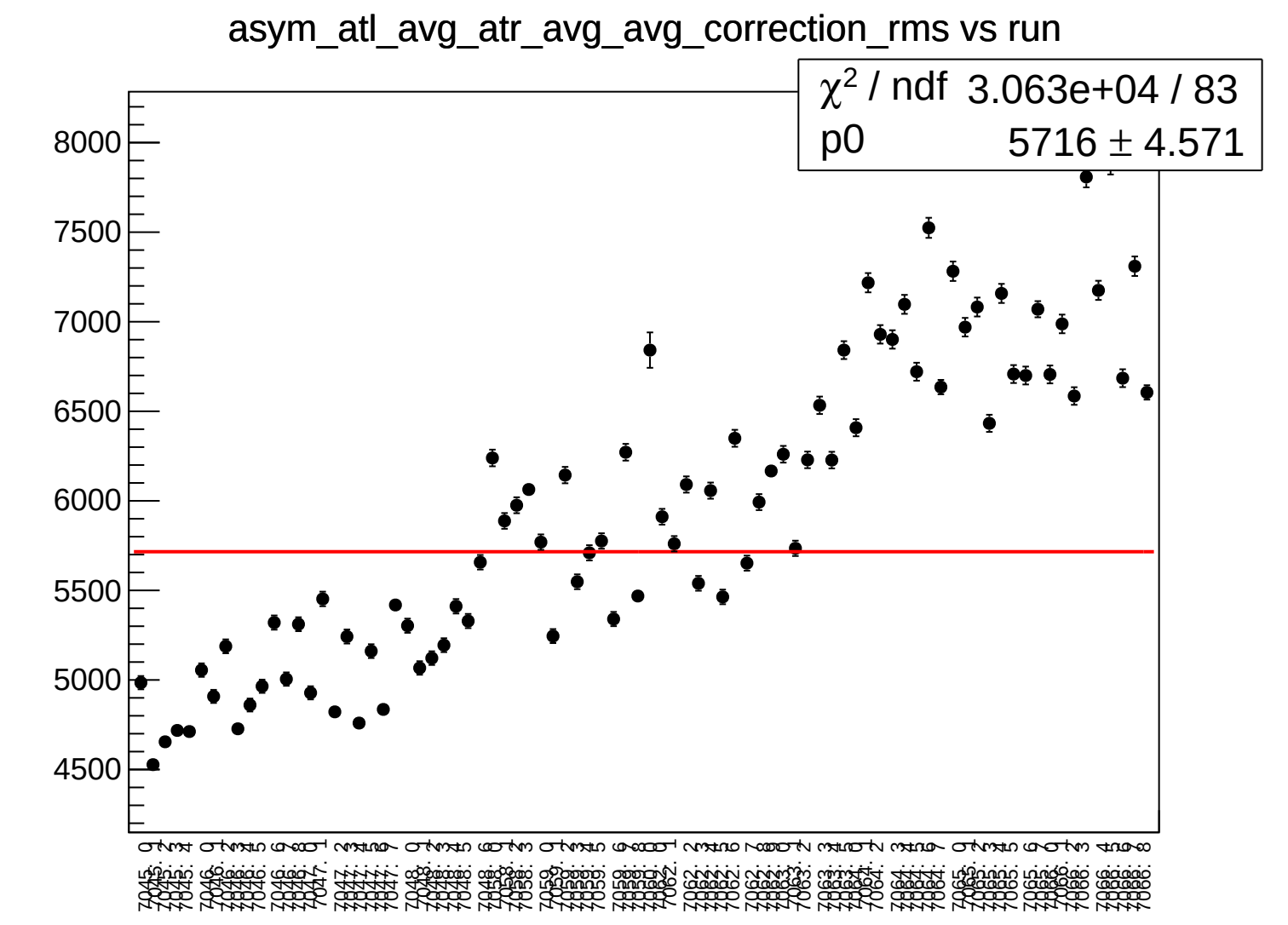

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 101.7 / 83
p0 1282 ± 1516
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean −171
Std Dev 211.7
2
1
0
−1
−2

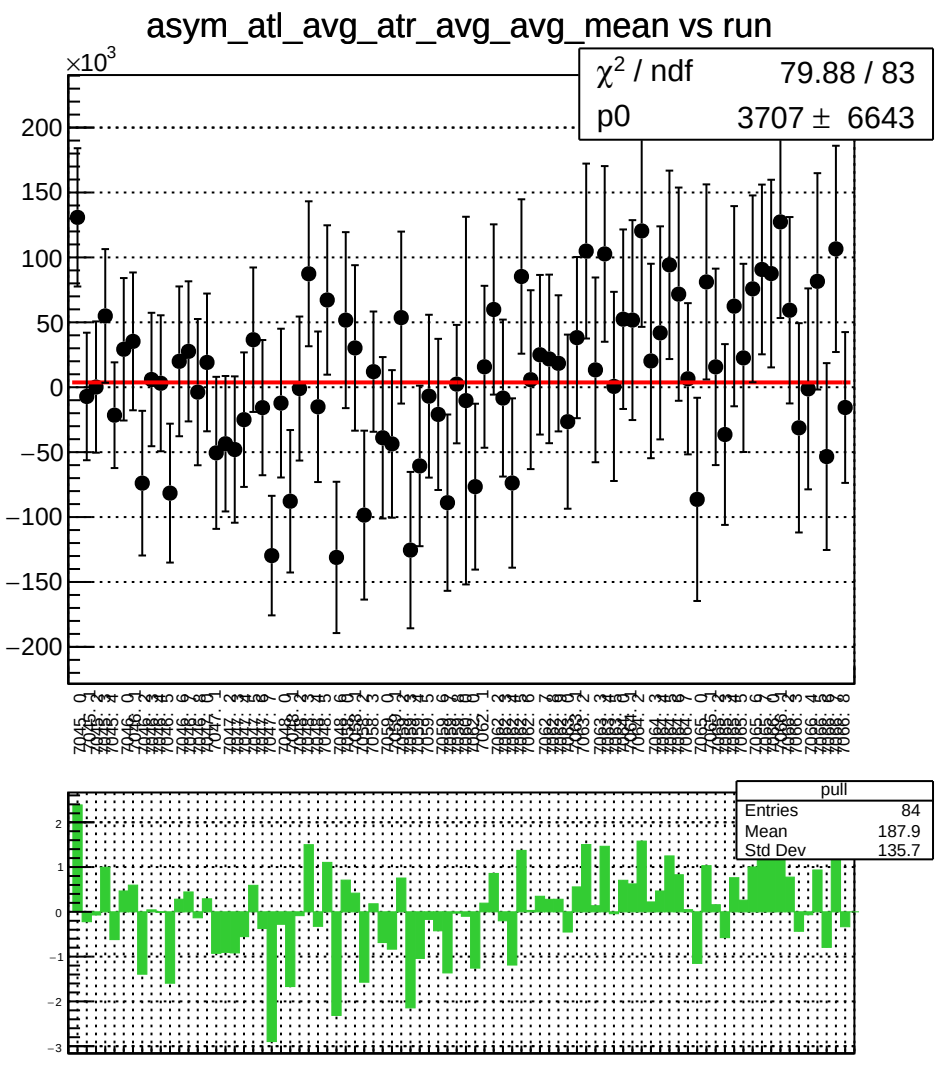

pull1D
Entries 84
Mean −0.02037
Std Dev 1.1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

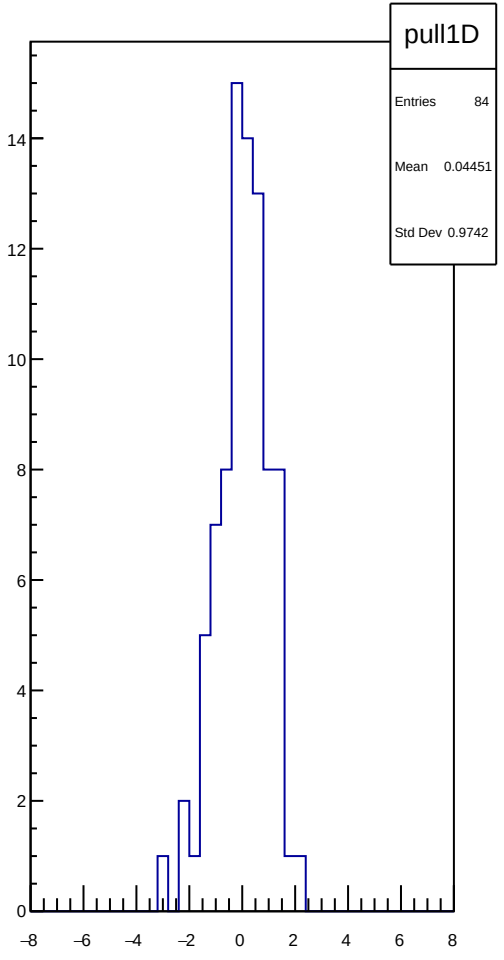

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.192e+04 / 83
p0 1349 ± 1.072
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

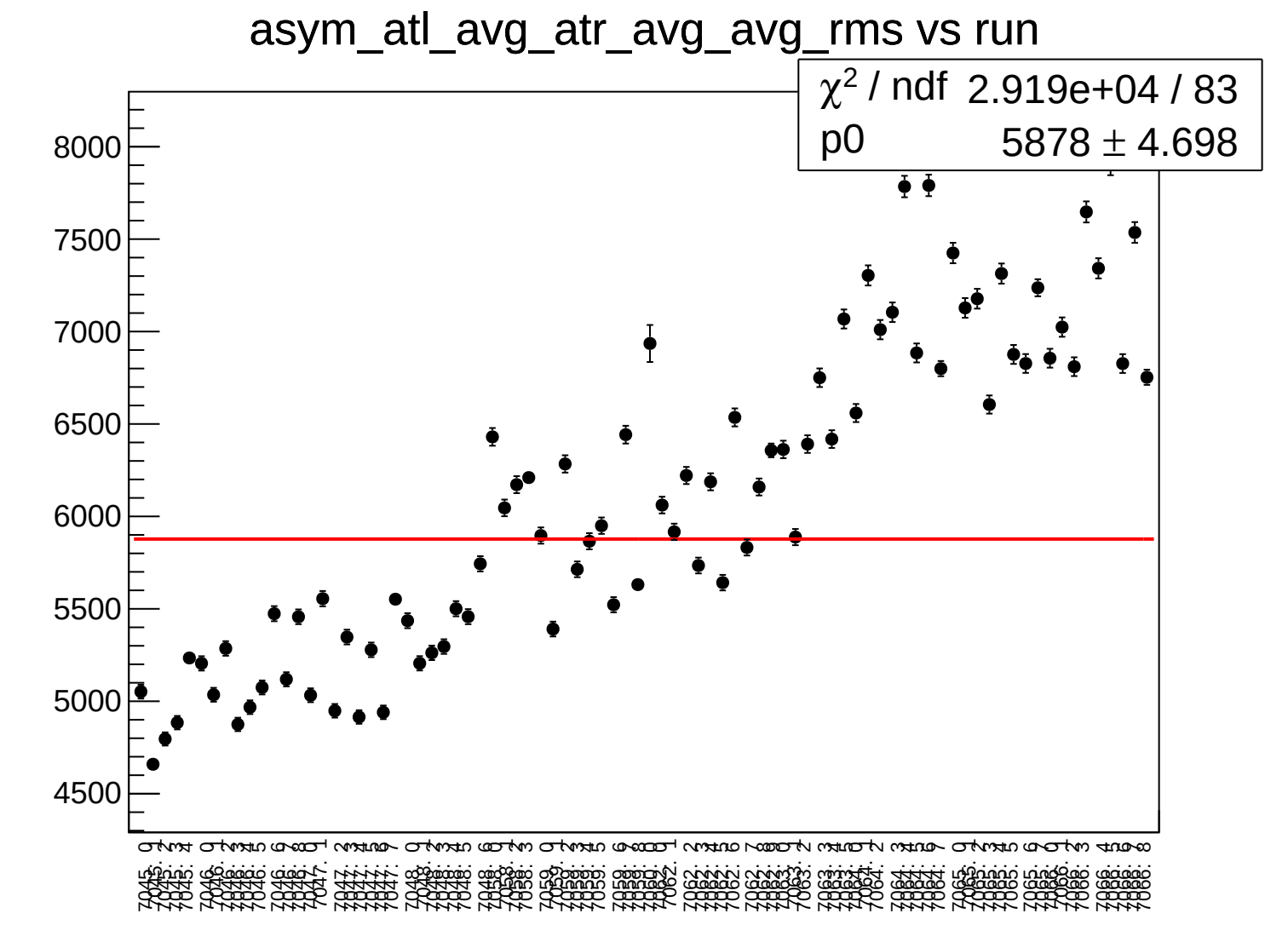

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 72.89 / 83
p0 −3529 ± 6464
pull
Entries 84
Mean 179.5
Std Dev 125.4

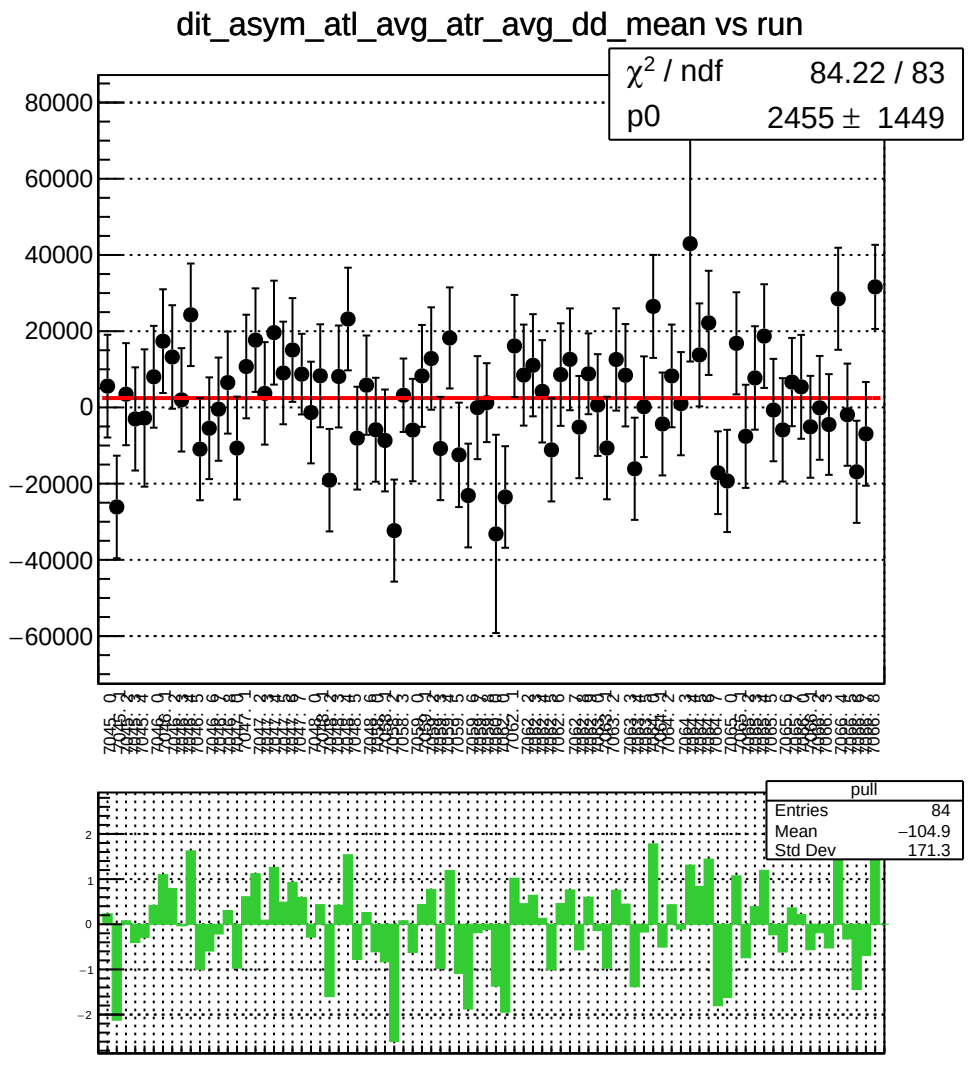

pull1D
Entries 84
Mean −0.04122
Std Dev 0.9306

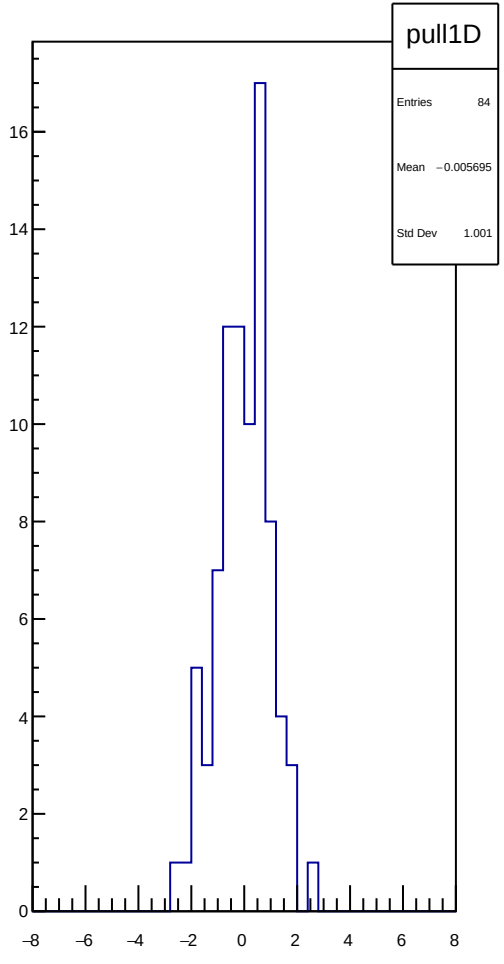

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3.063e+04 / 83
p0 5716 ± 4.571
8000
7500
7000
6500
6000
5500
5000
4500

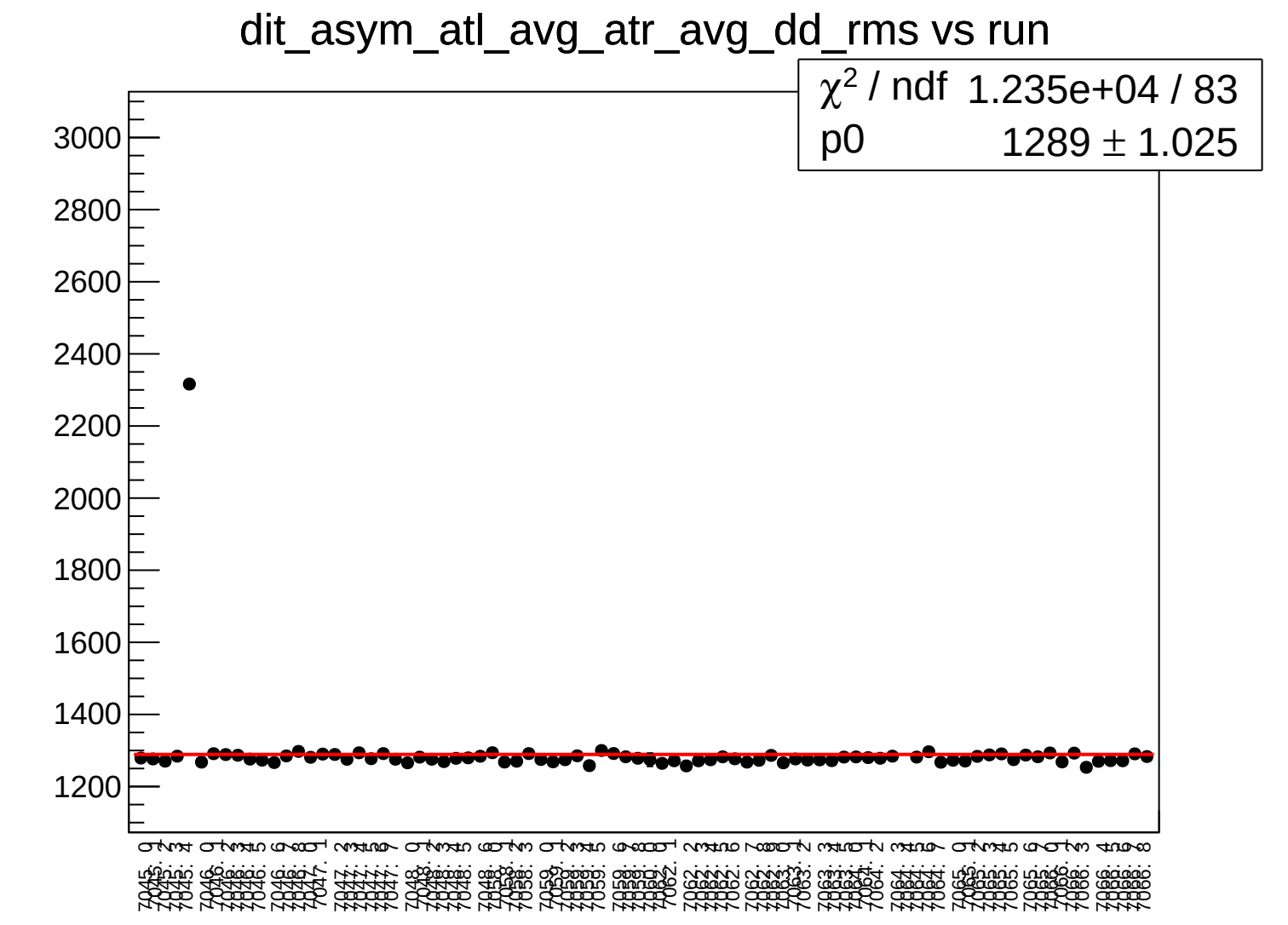

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 79.88 / 83
p0 3707 ± 6643
pull
Entries 84
Mean 187.9
Std Dev 135.7

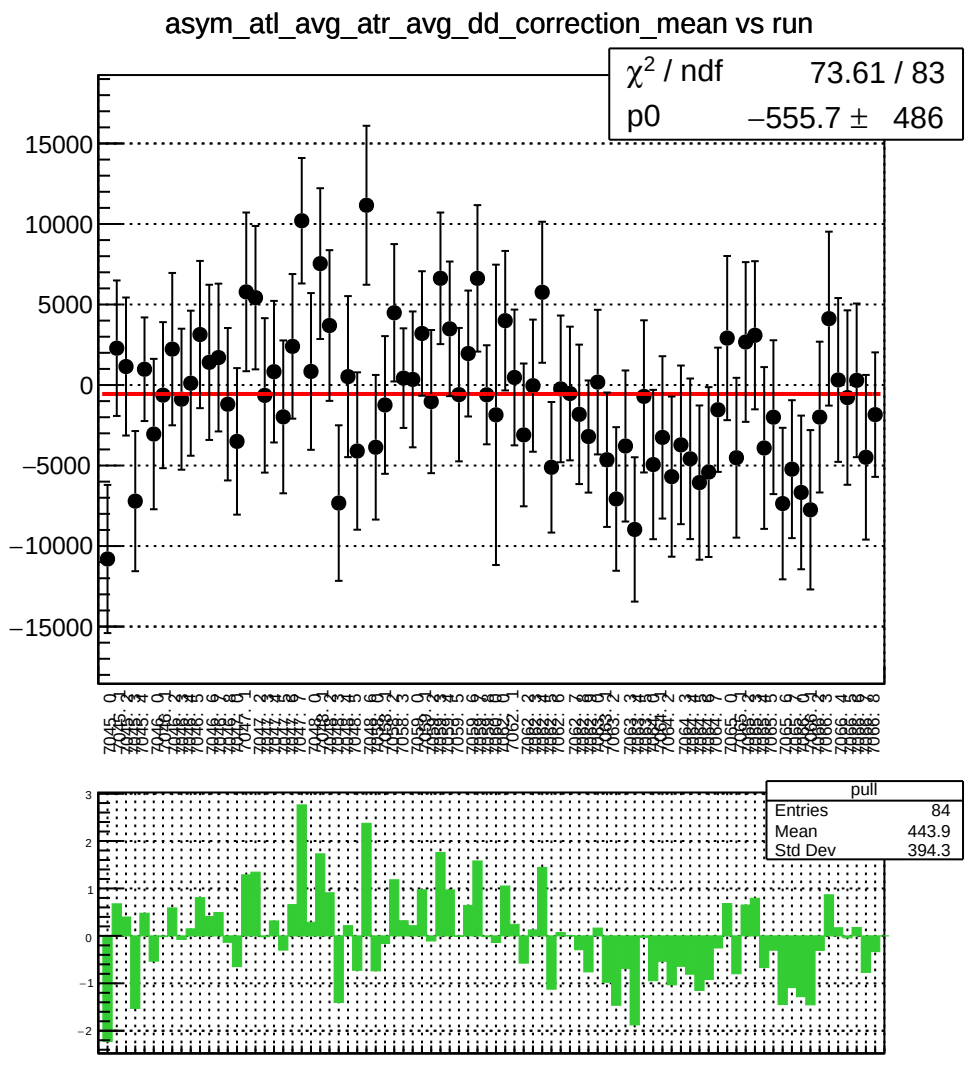

pull1D
Entries 84
Mean 0.04451
Std Dev 0.9742

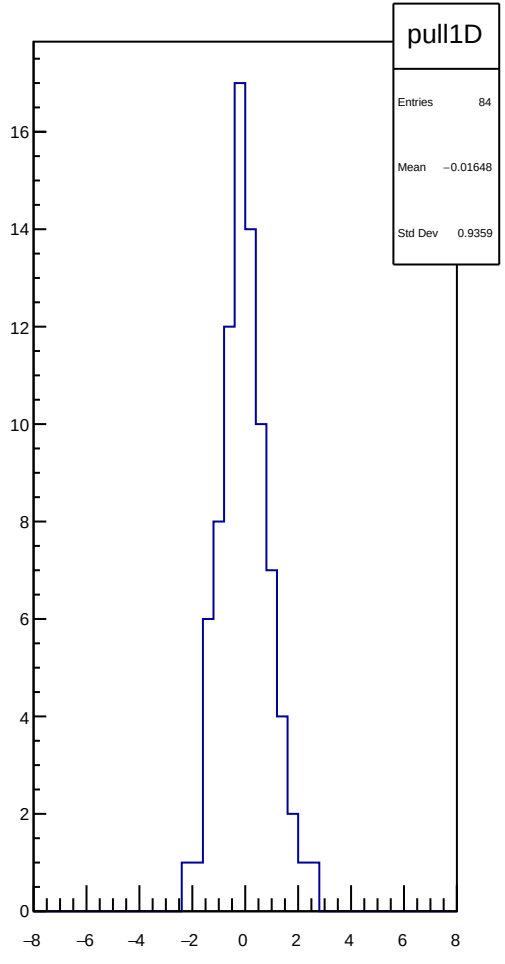

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.919e+04 / 83
p0 5878 ± 4.698
8000
7500
7000
6500
6000
5500
5000
4500

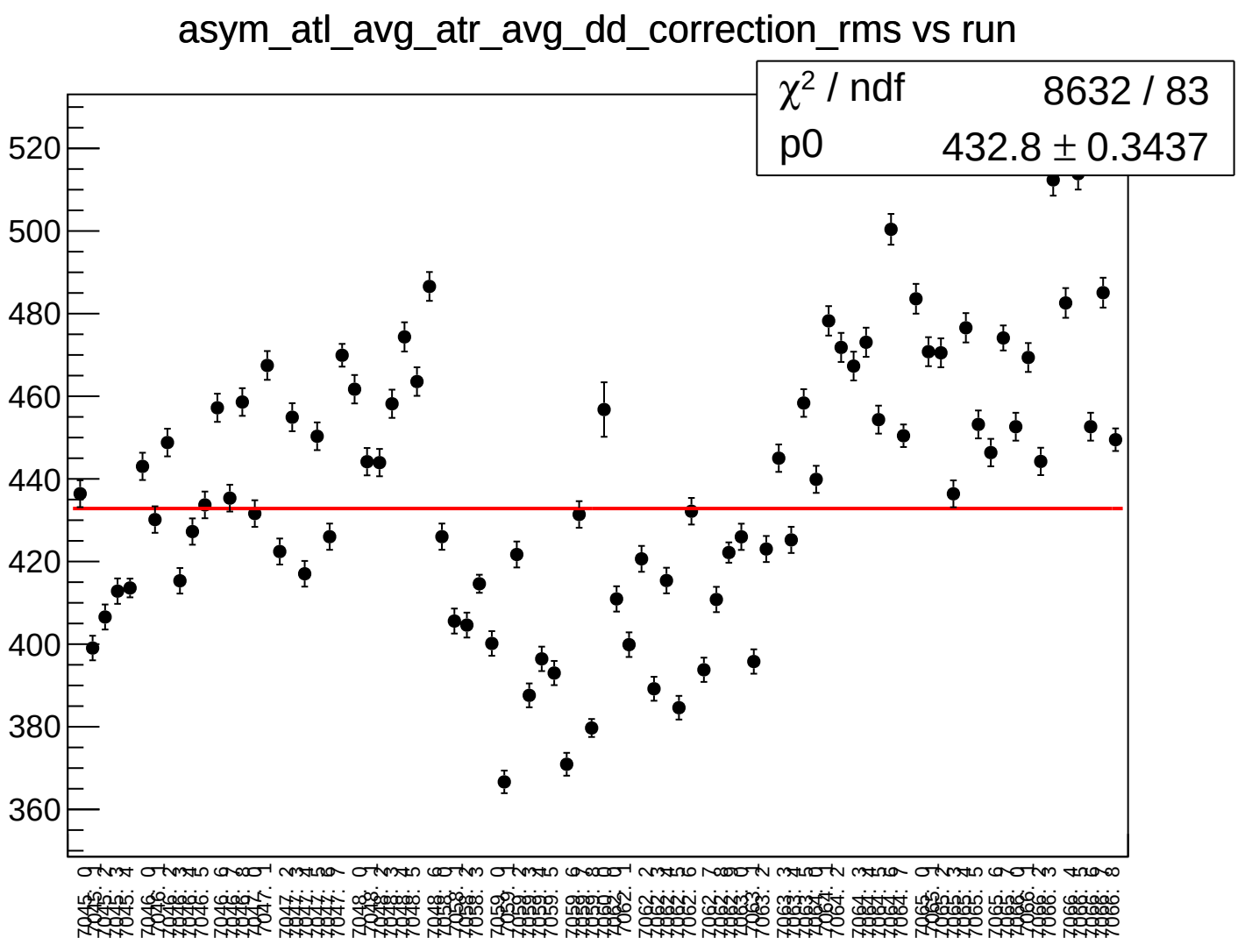

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 84.22 / 83
p0 2455 ± 1449
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −104.9
Std Dev 171.3
2
1
0
−1
−2

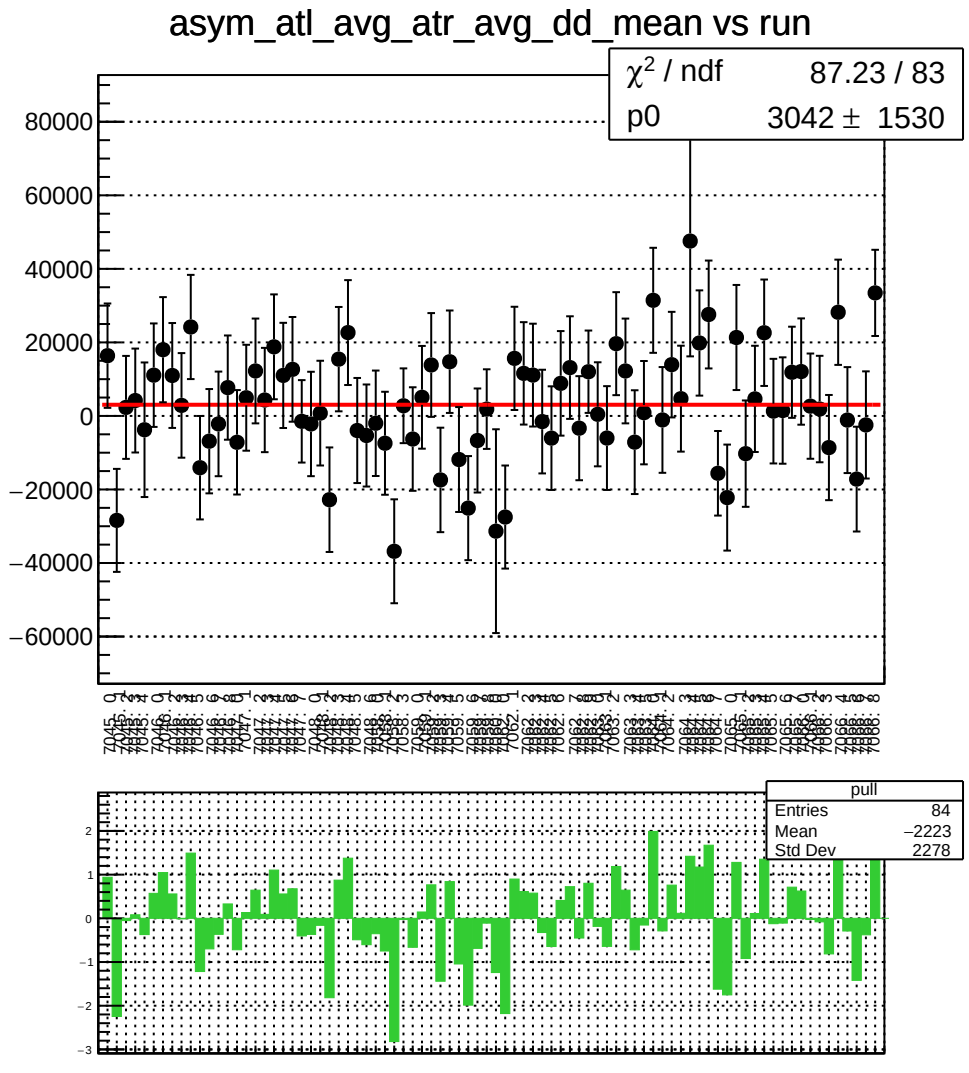

pull1D
Entries 84
Mean −0.005695
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

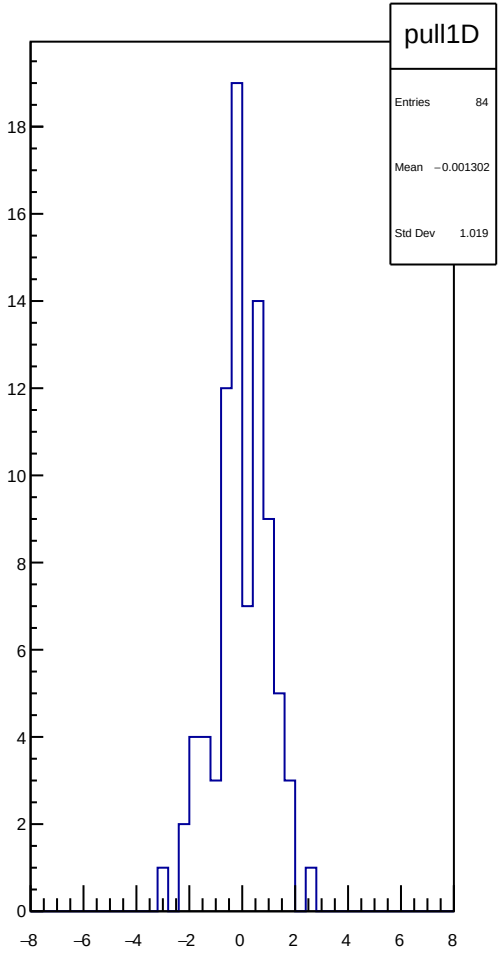

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.235e+04 / 83
p0 1289 ± 1.025
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

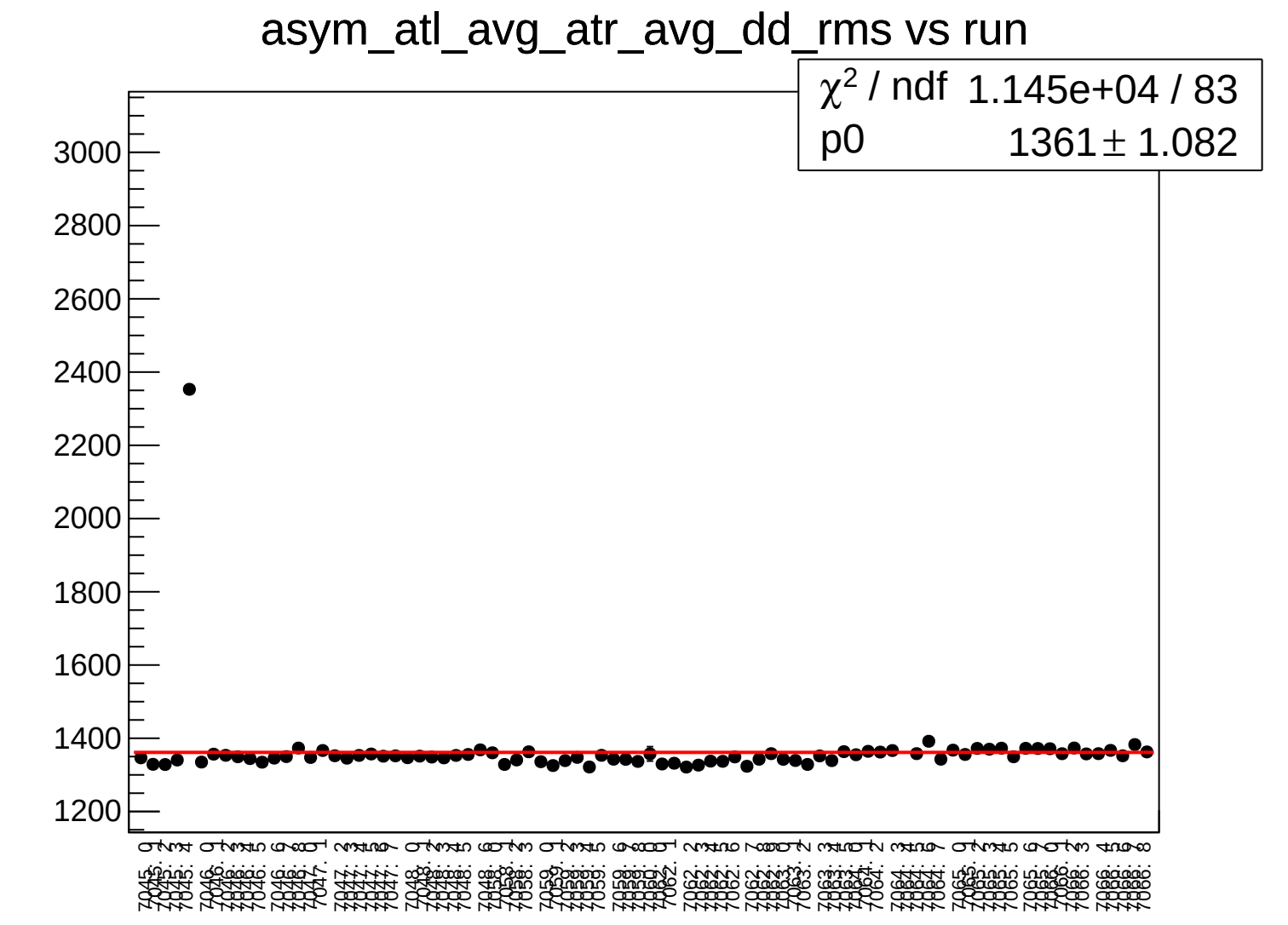

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 73.61 / 83
p0 −555.7 ± 486
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 443.9
Std Dev 394.3
3
2
1
0
−1
−2

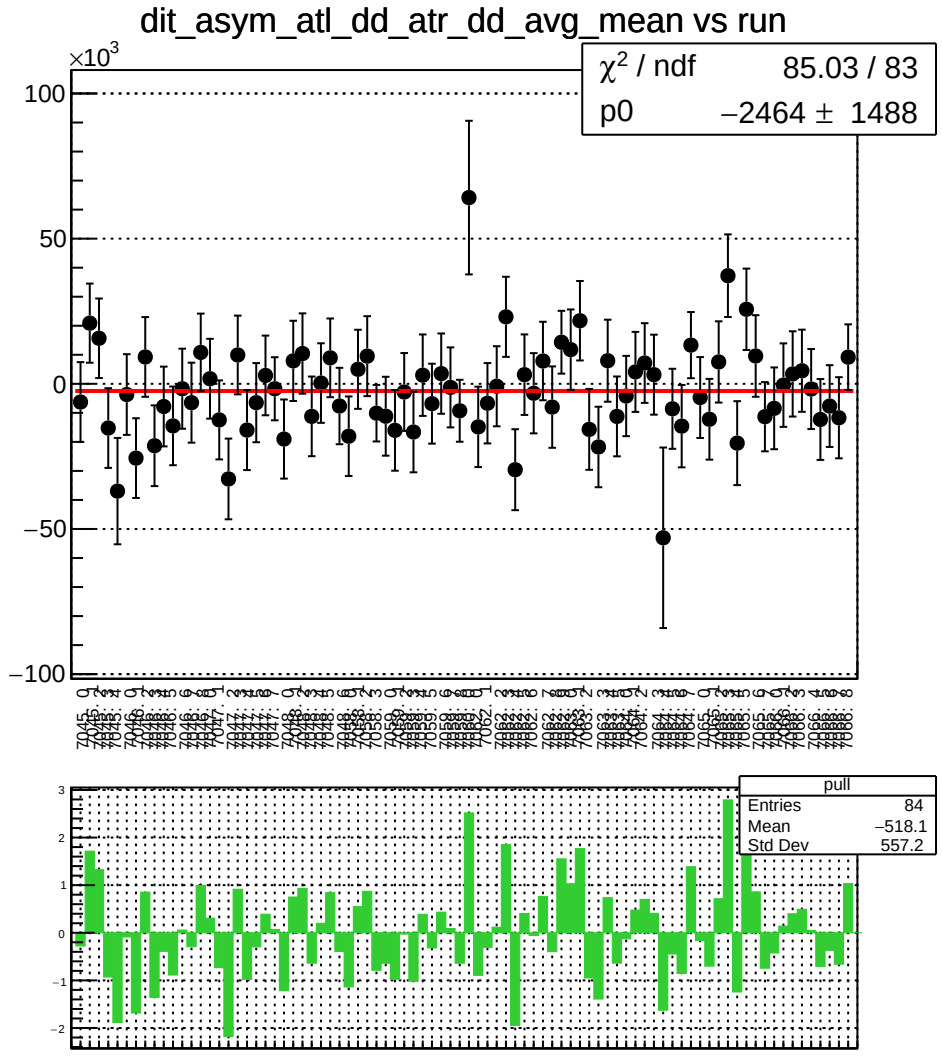

pull1D
Entries 84
Mean −0.01648
Std Dev 0.9359
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

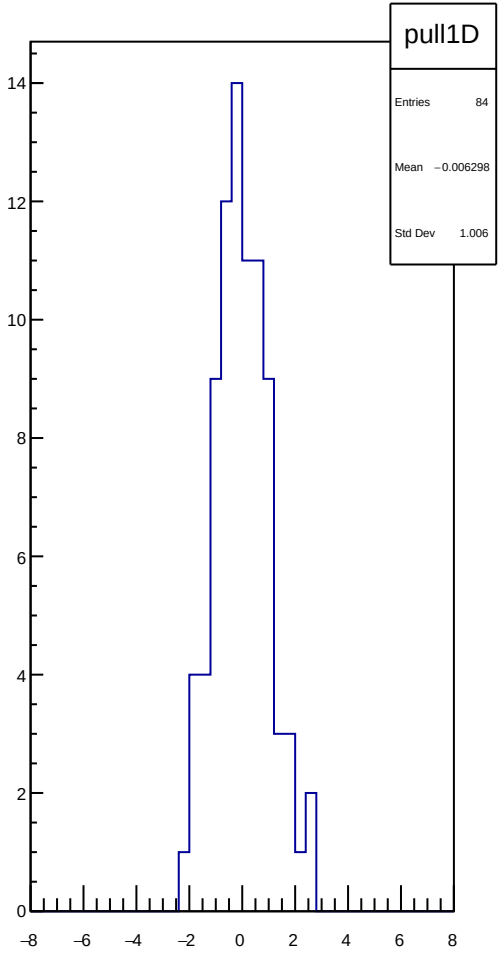

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 8632 / 83
p0 432.8 ± 0.3437
520
500
480
460
440
420
400
380
360

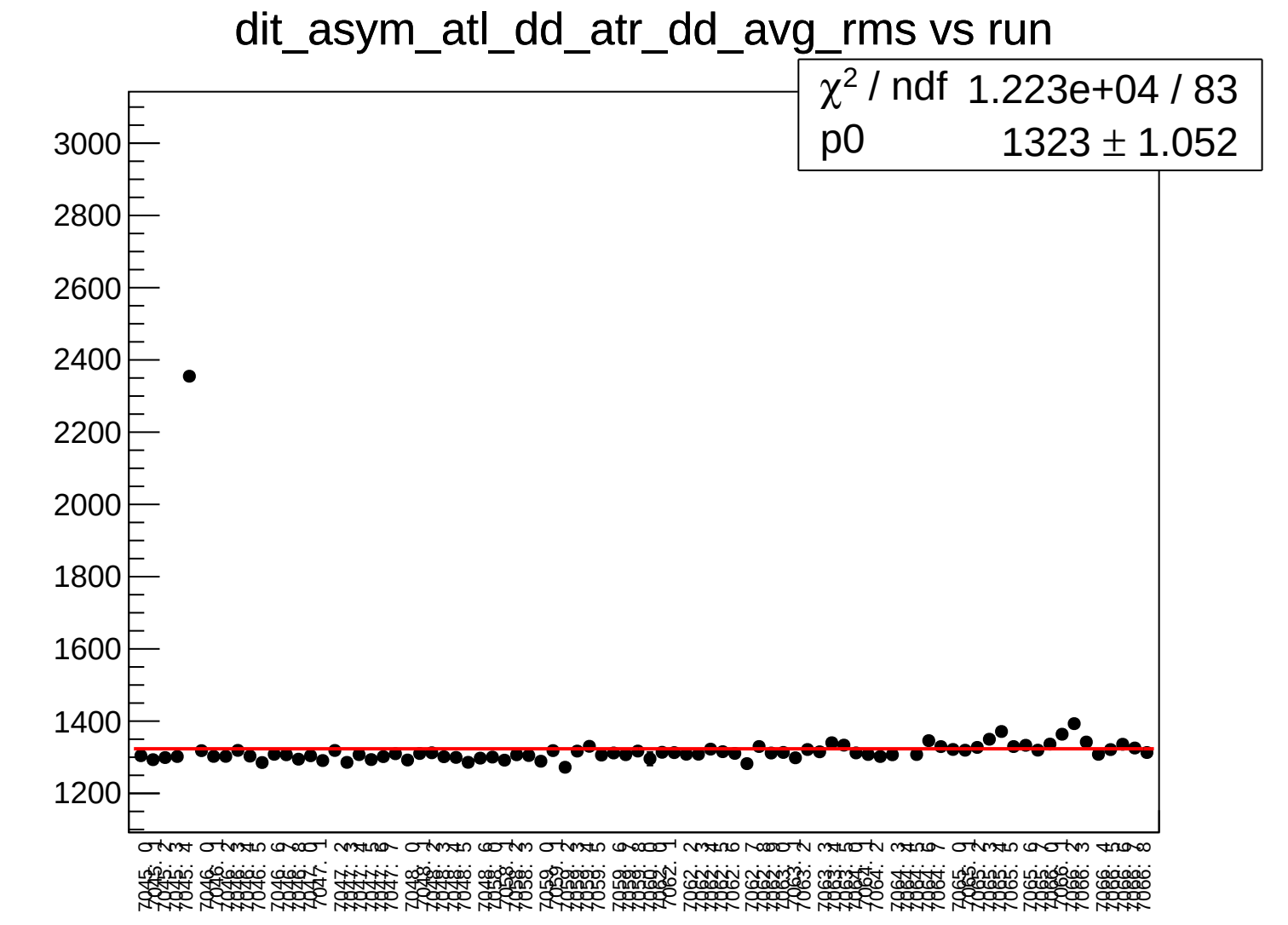

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 87.23 / 83
p0 3042 ± 1530
pull
Entries 84
Mean −2223
Std Dev 2278

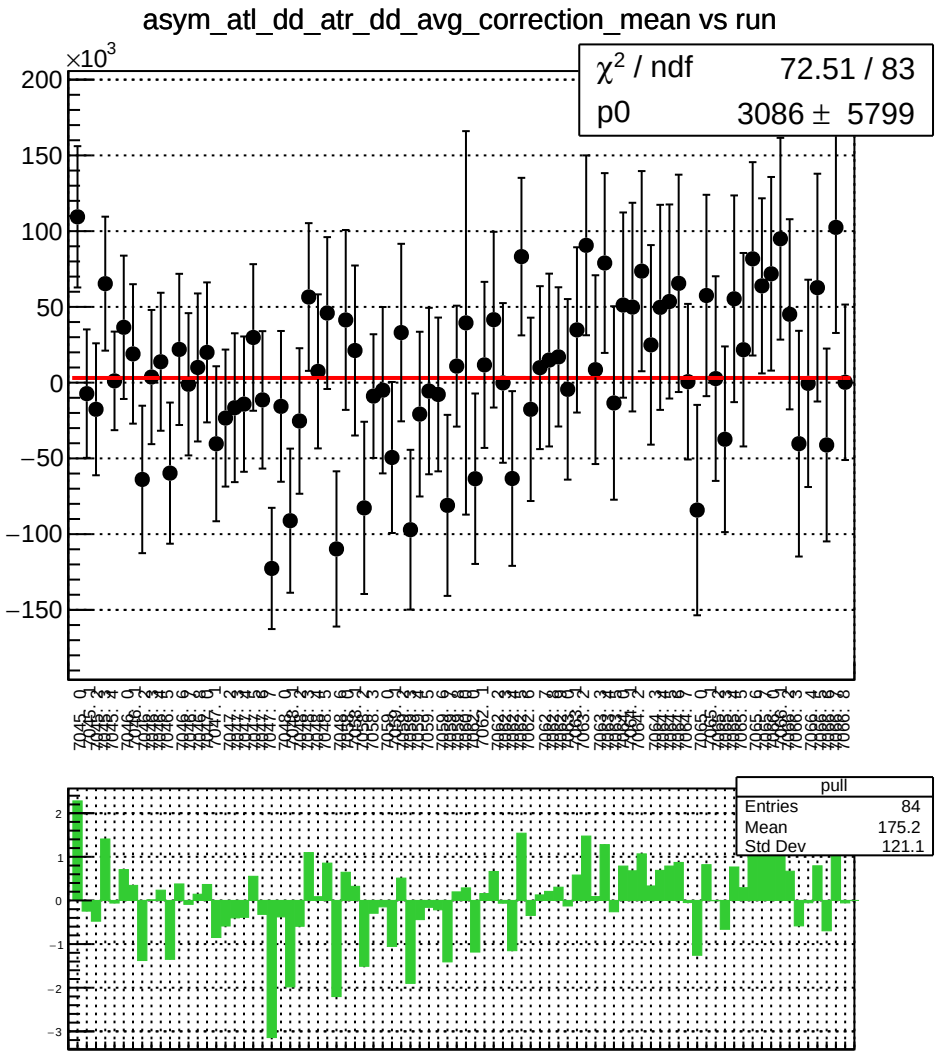

pull1D
Entries 84
Mean −0.001302
Std Dev 1.019

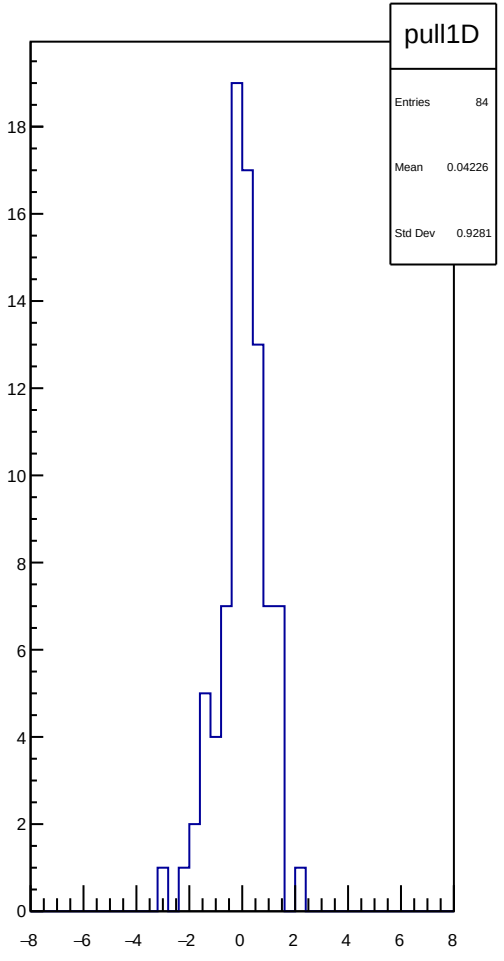

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.145e+04 / 83
p0 1361 ± 1.082
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

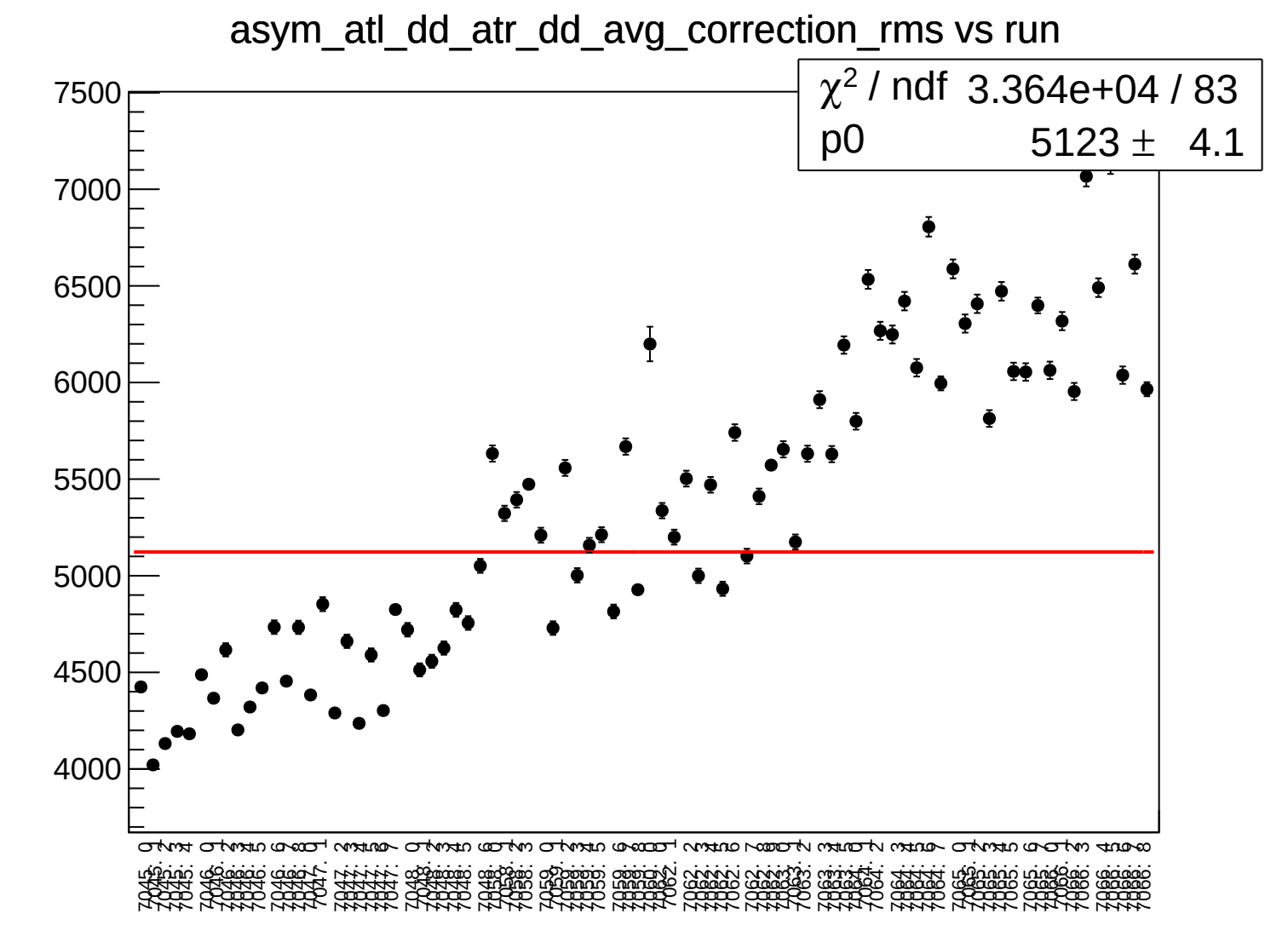

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 85.03 / 83
p0 −2464 ± 1488
100
50
0
−50
−100
pull
Entries 84
Mean −518.1
Std Dev 557.2
3
2
1
0
−1
−2

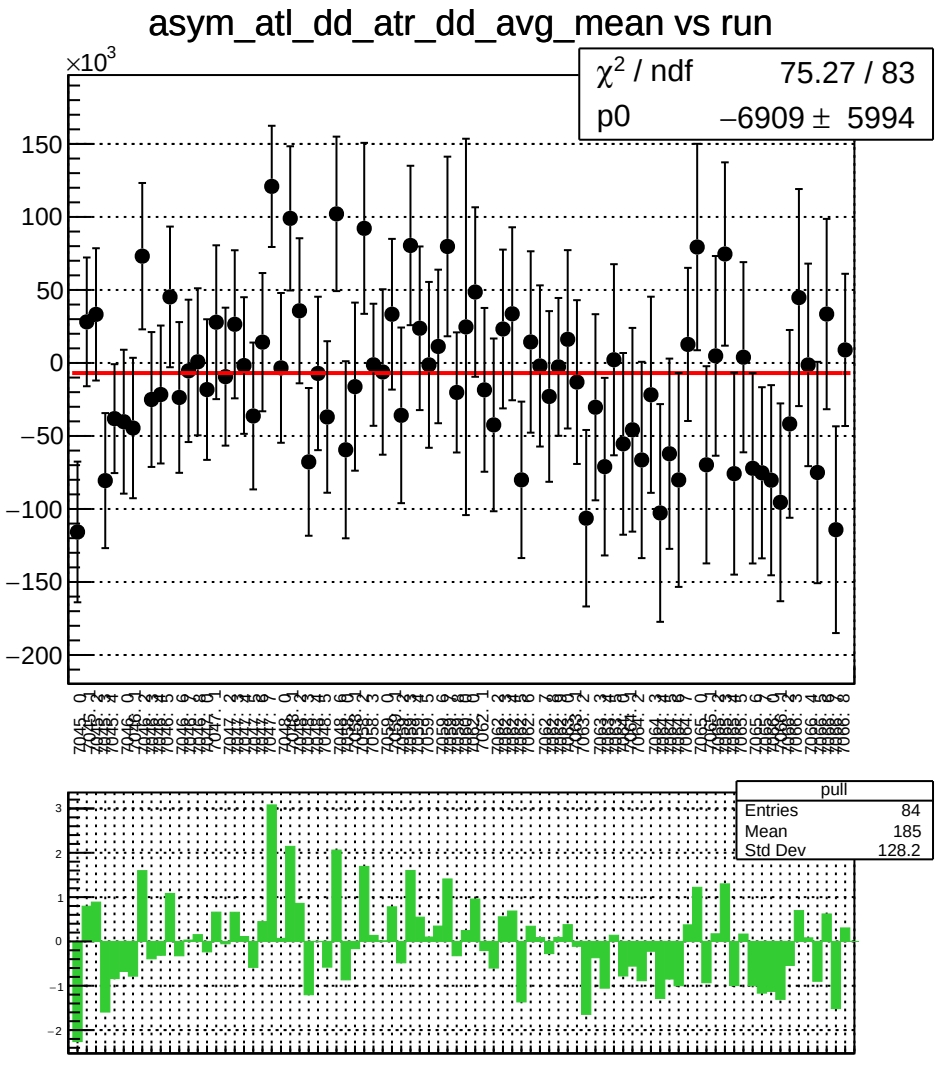

pull1D
Entries 84
Mean −0.006298
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

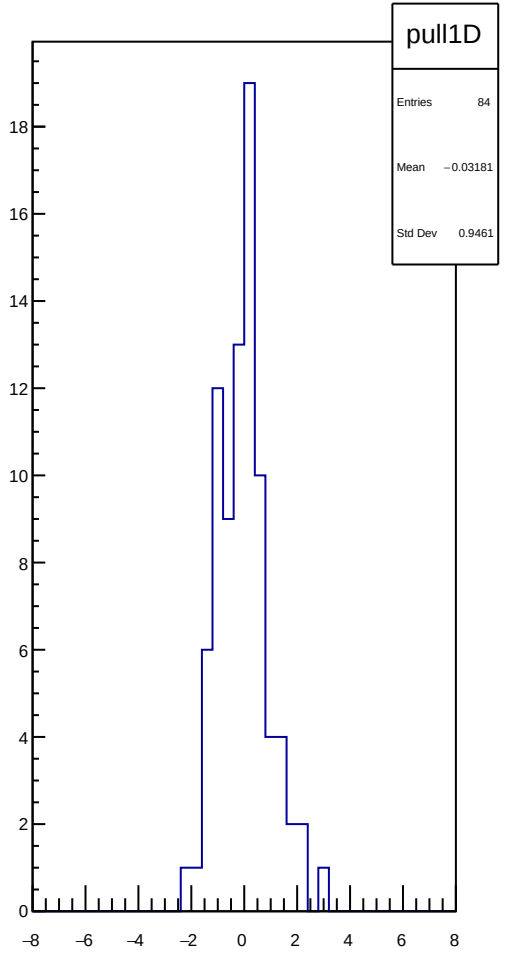

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.223e+04 / 83
p0 1323 ± 1.052
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

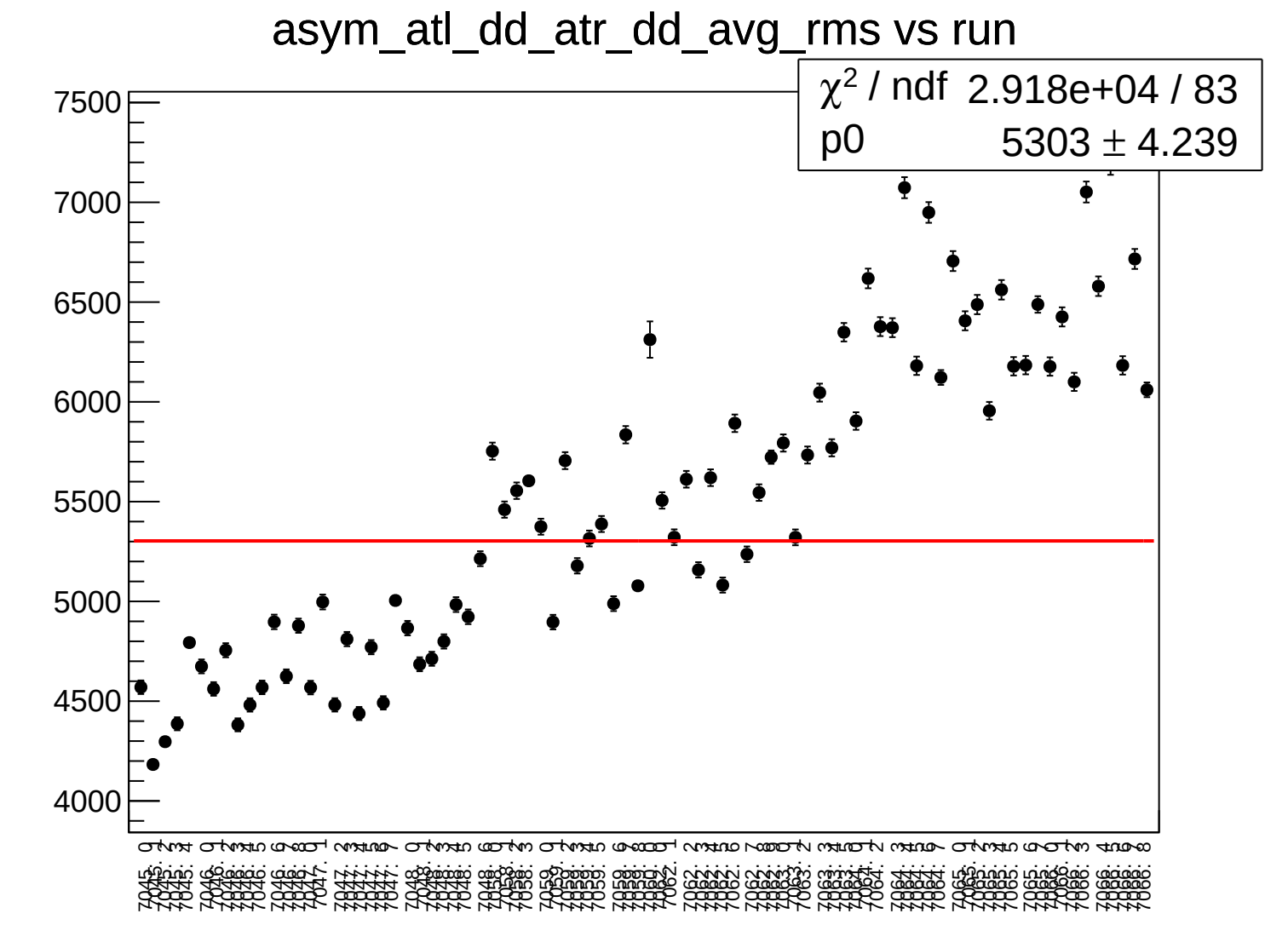

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 72.51 / 83
p0 3086 ± 5799
pull
Entries 84
Mean 175.2
Std Dev 121.1

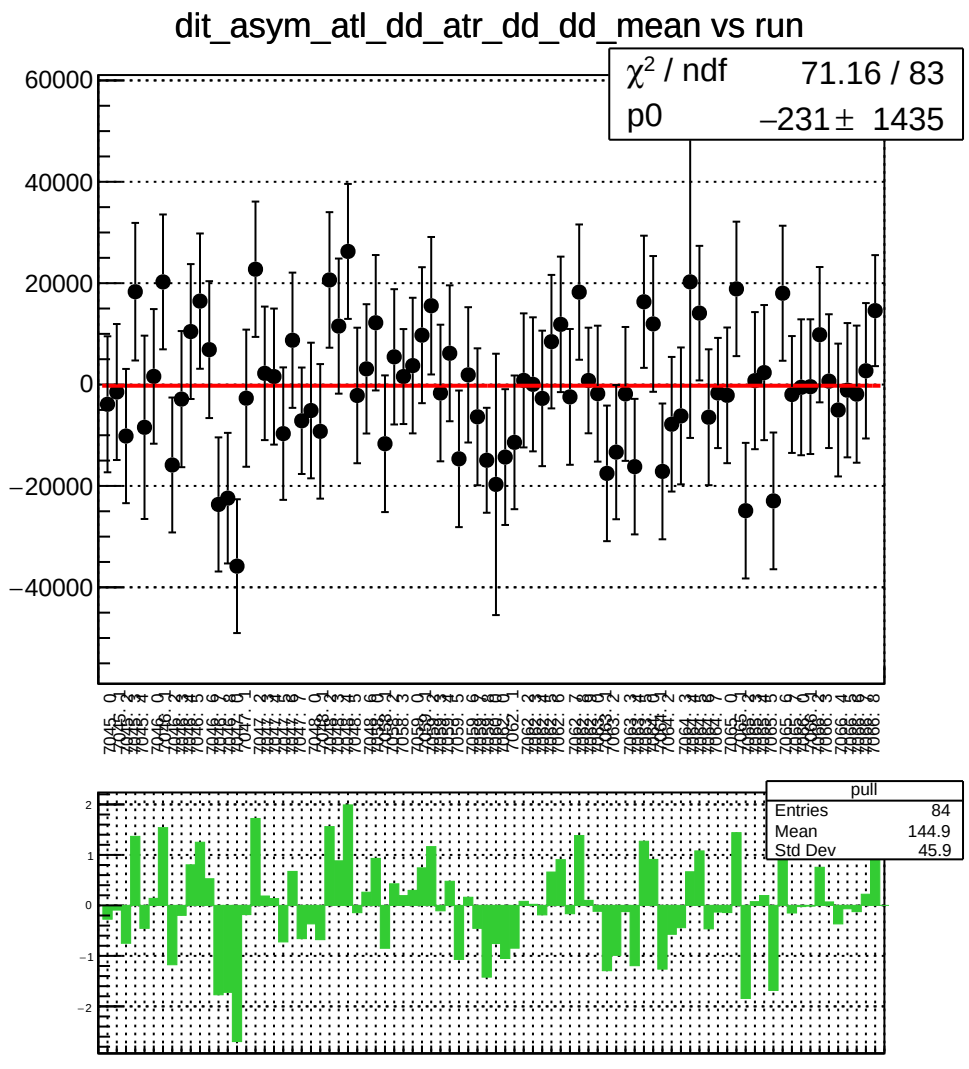

pull1D
Entries 84
Mean 0.04226
Std Dev 0.9281

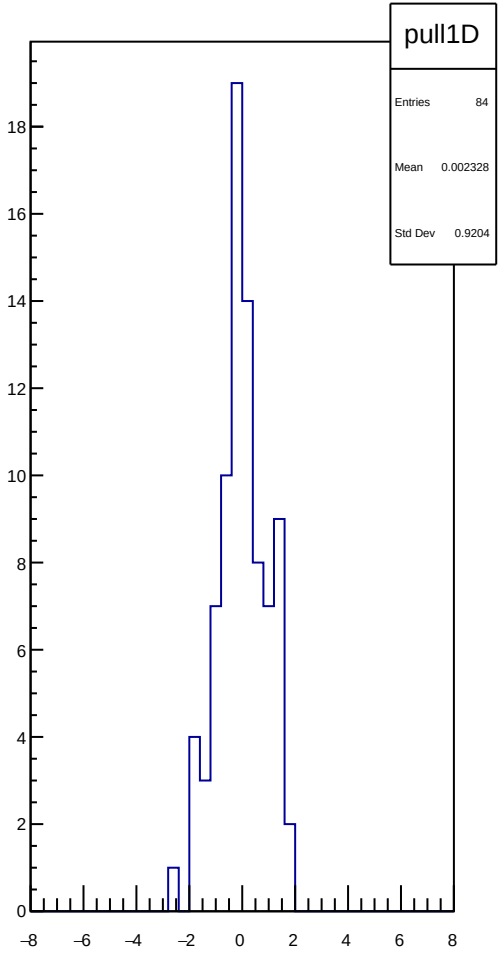

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.364e+04 / 83
p0 5123 ± 4.1
7500
7000
6500
6000
5500
5000
4500
4000

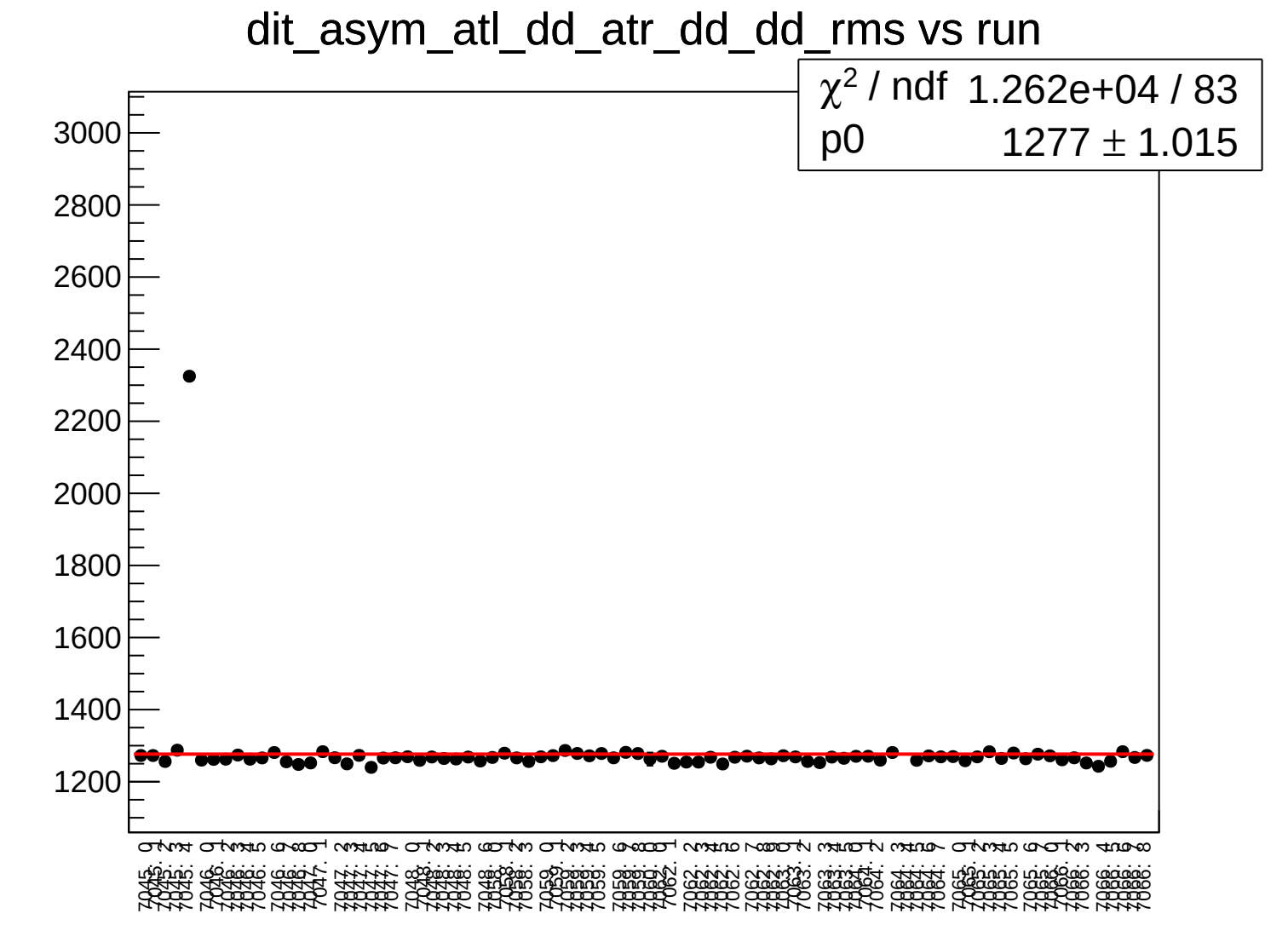

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 75.27 / 83
p0 −6909 ± 5994
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 185
Std Dev 128.2
3
2
1
0
−1
−2

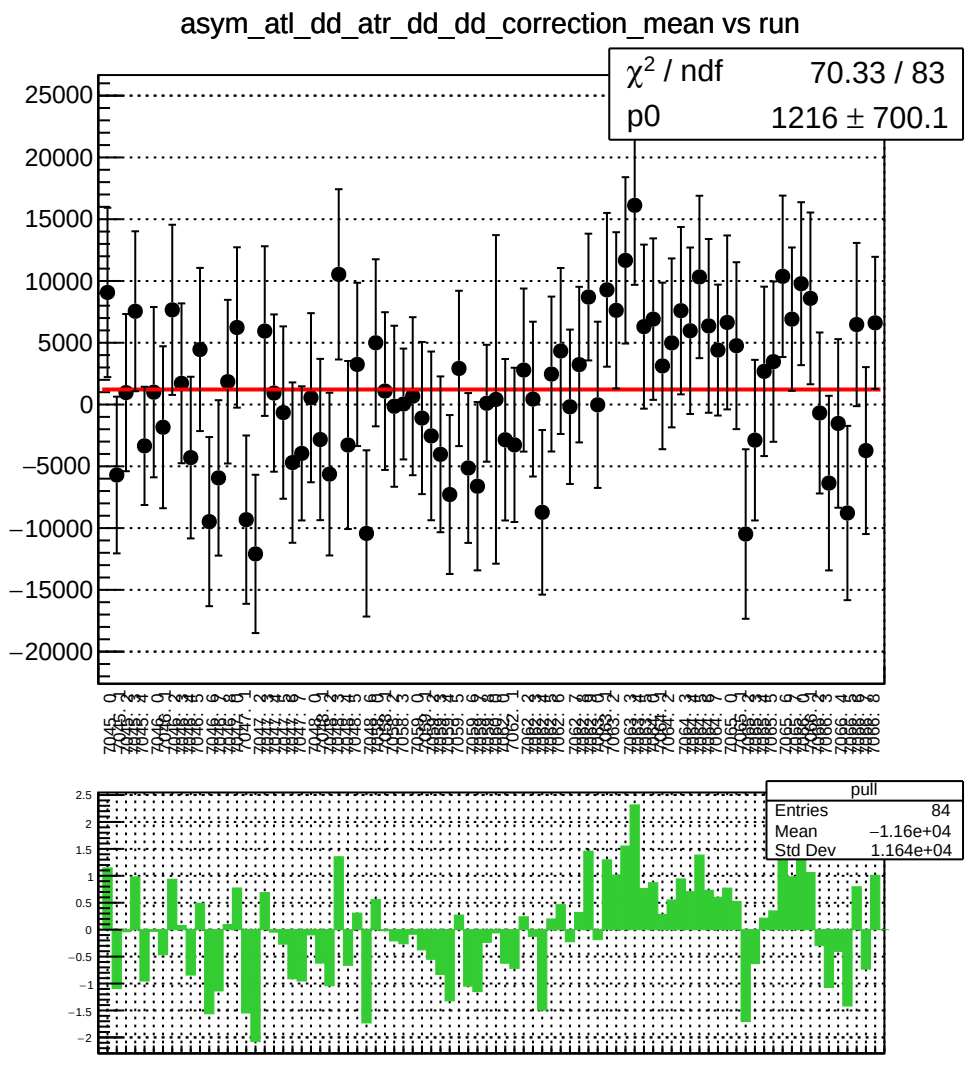

pull1D
Entries 84
Mean −0.03181
Std Dev 0.9461
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

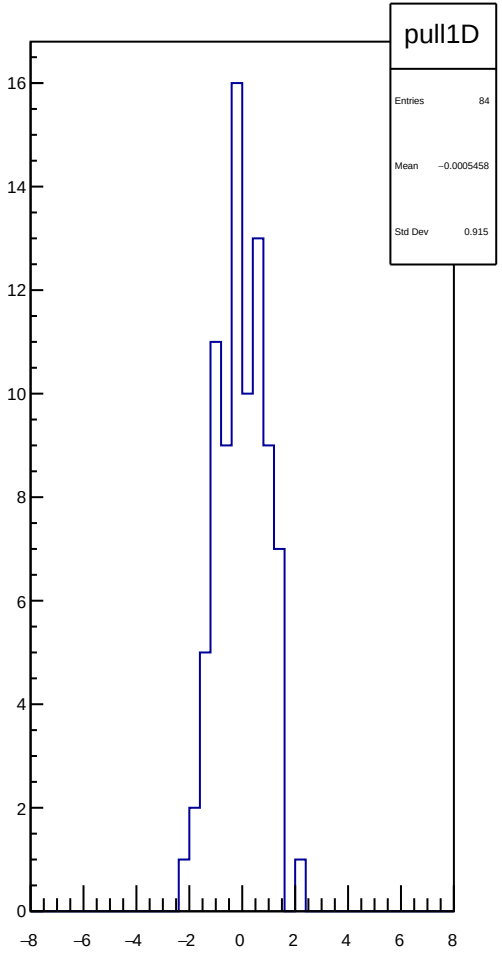

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 2.918e+04 / 83
p0 5303 ± 4.239
7500
7000
6500
6000
5500
5000
4500
4000

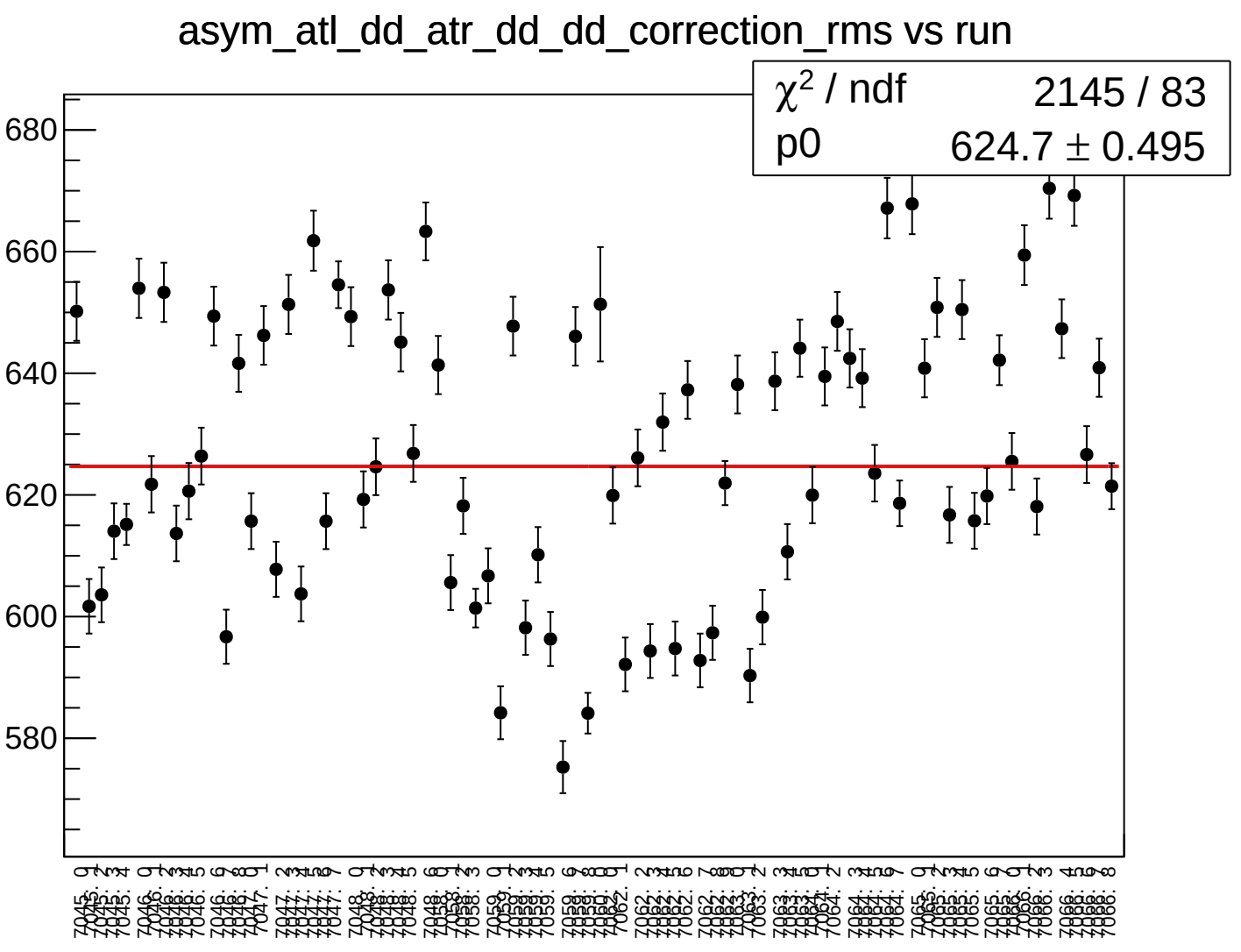

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 71.16 / 83
p0 −231 ± 1435
60000
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 144.9
Std Dev 45.9
2
1
0
−1
−2

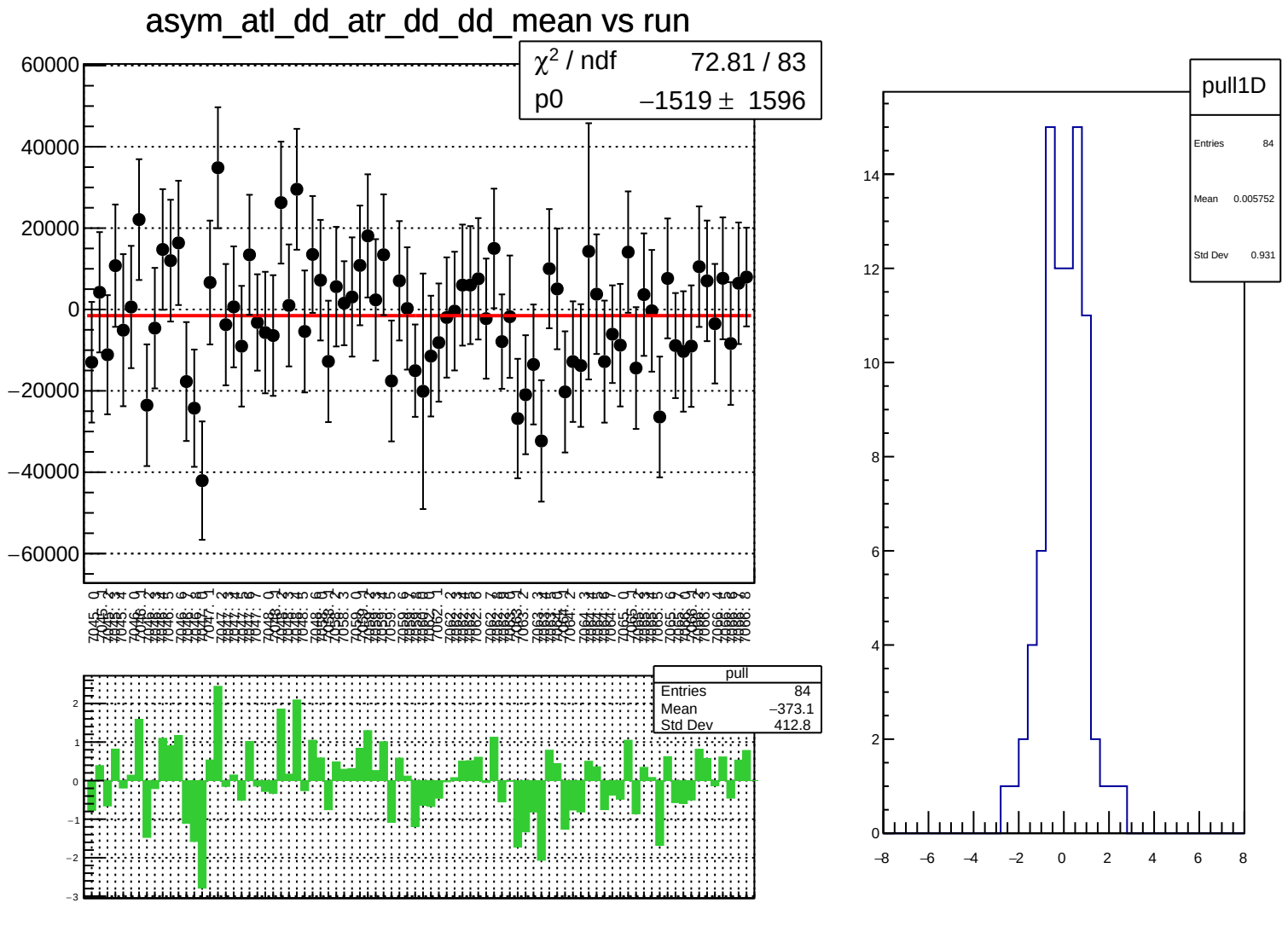

pull1D
Entries 84
Mean 0.002328
Std Dev 0.9204
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

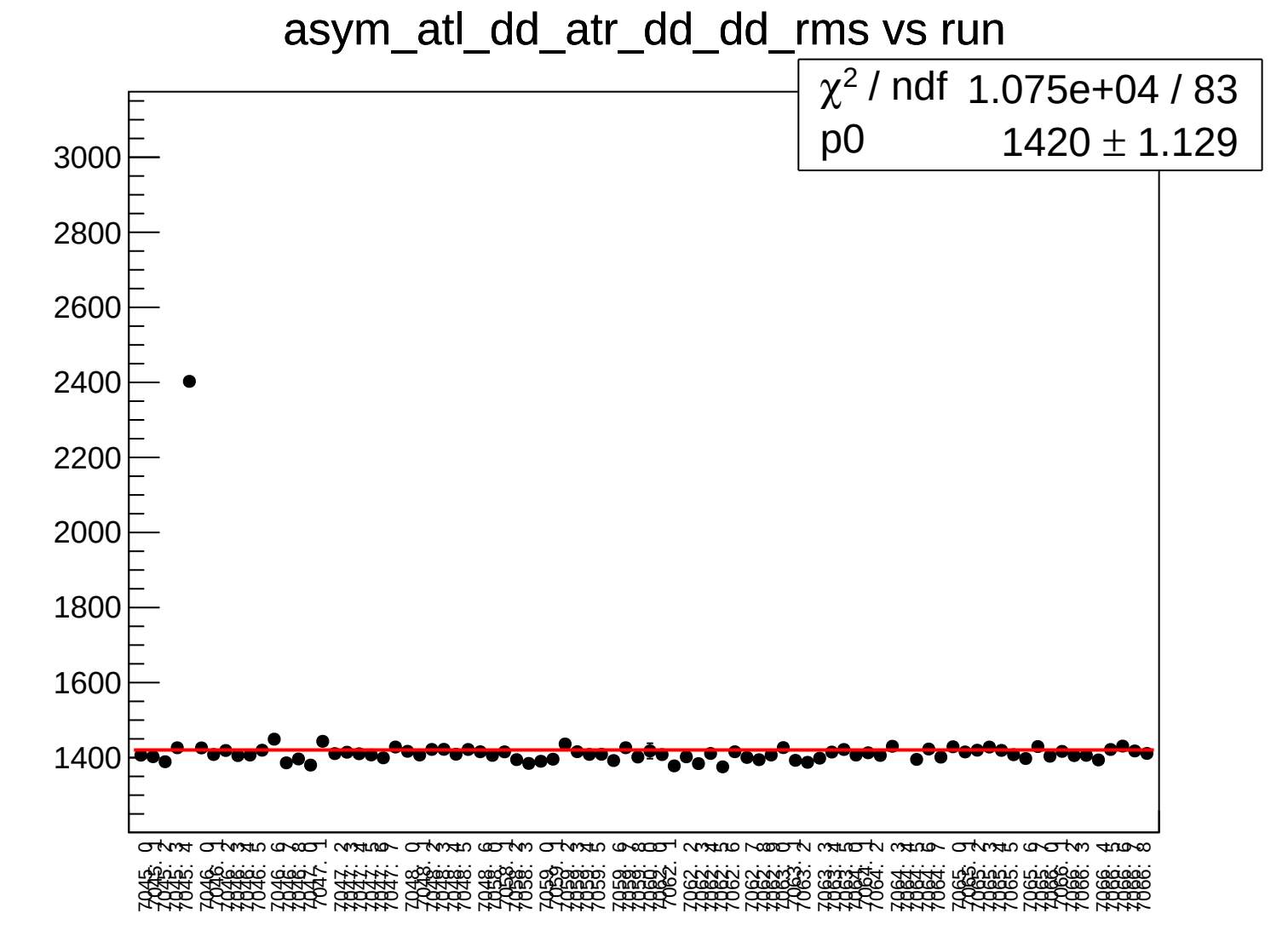

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.262e+04 / 83
p0 1277 ± 1.015
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

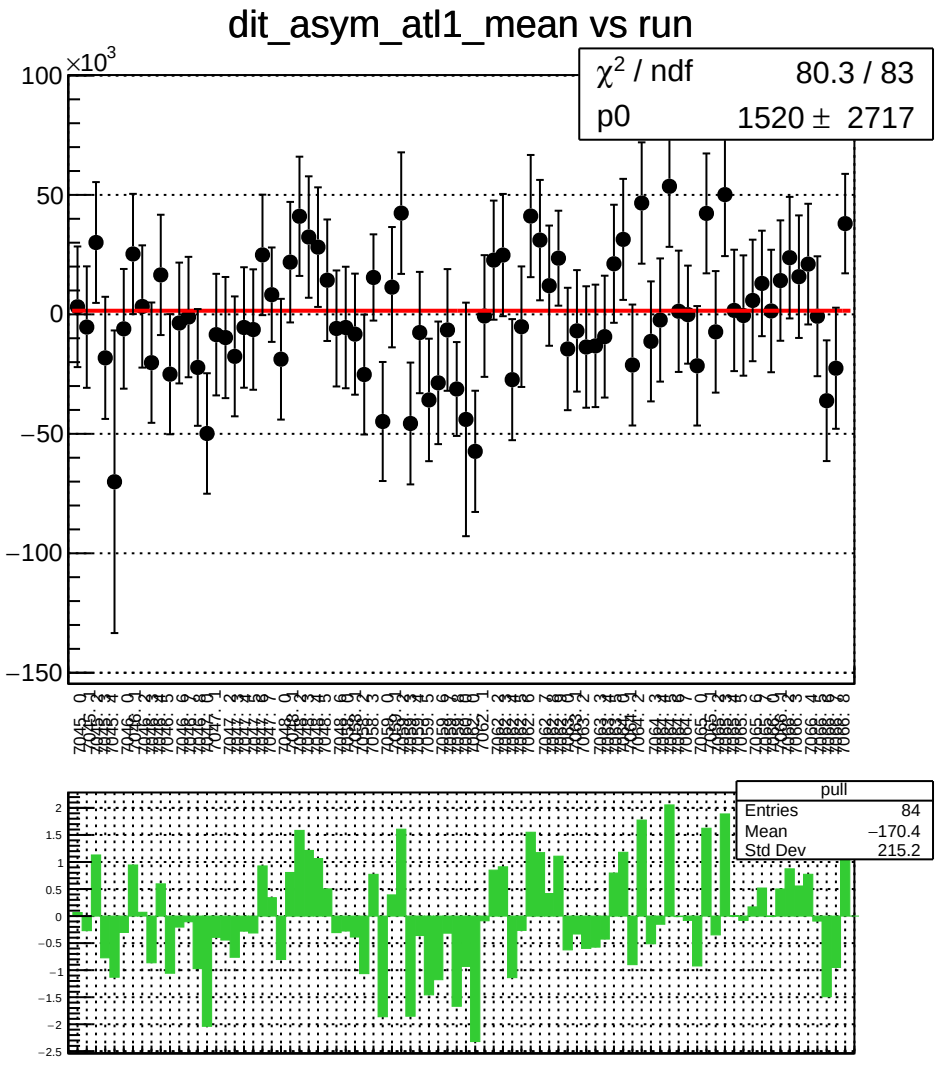

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 70.33 / 83
p0 1216 ± 700.1
pull
Entries 84
Mean −1.16e+04
Std Dev 1.164e+04

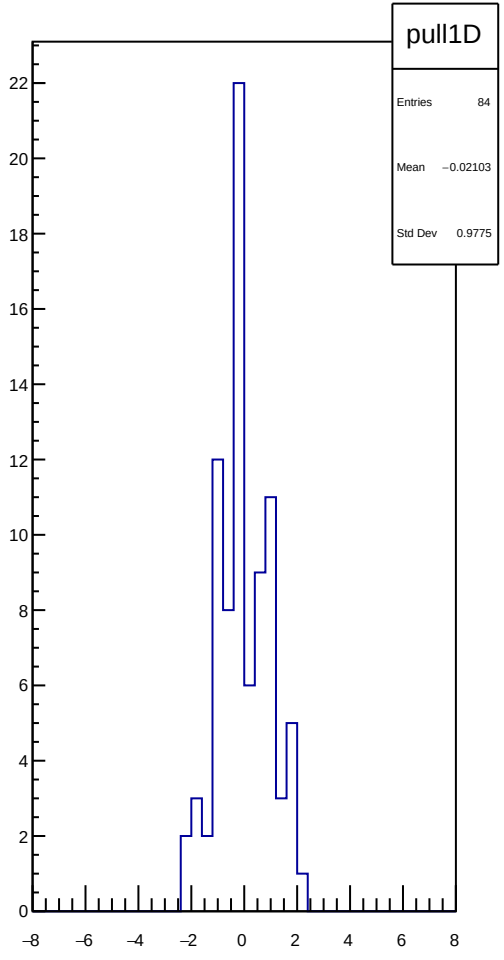

pull1D
Entries 84
Mean −0.0005458
Std Dev 0.915

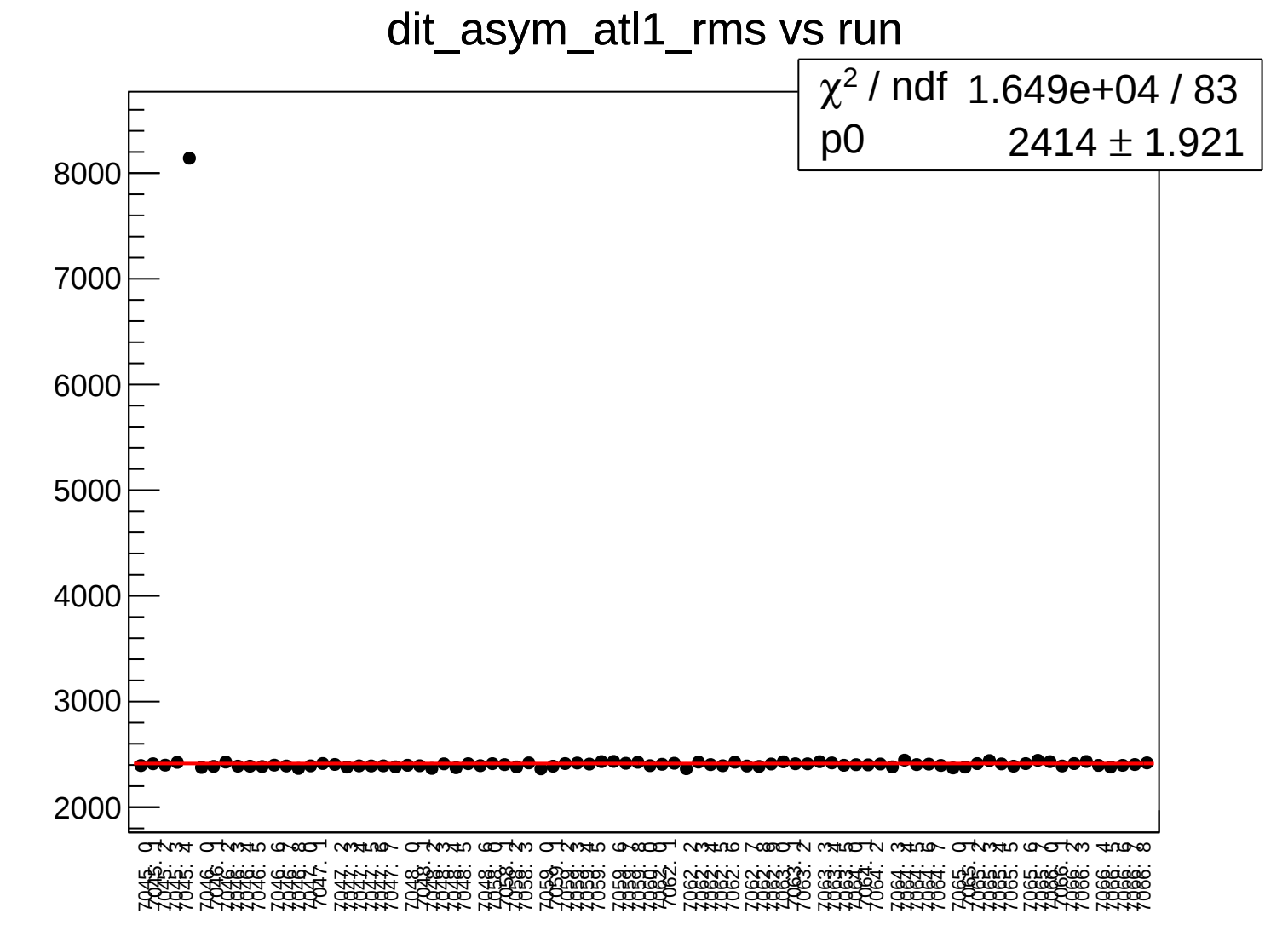

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2145 / 83
p0 624.7 ± 0.495
680
660
640
620
600
580

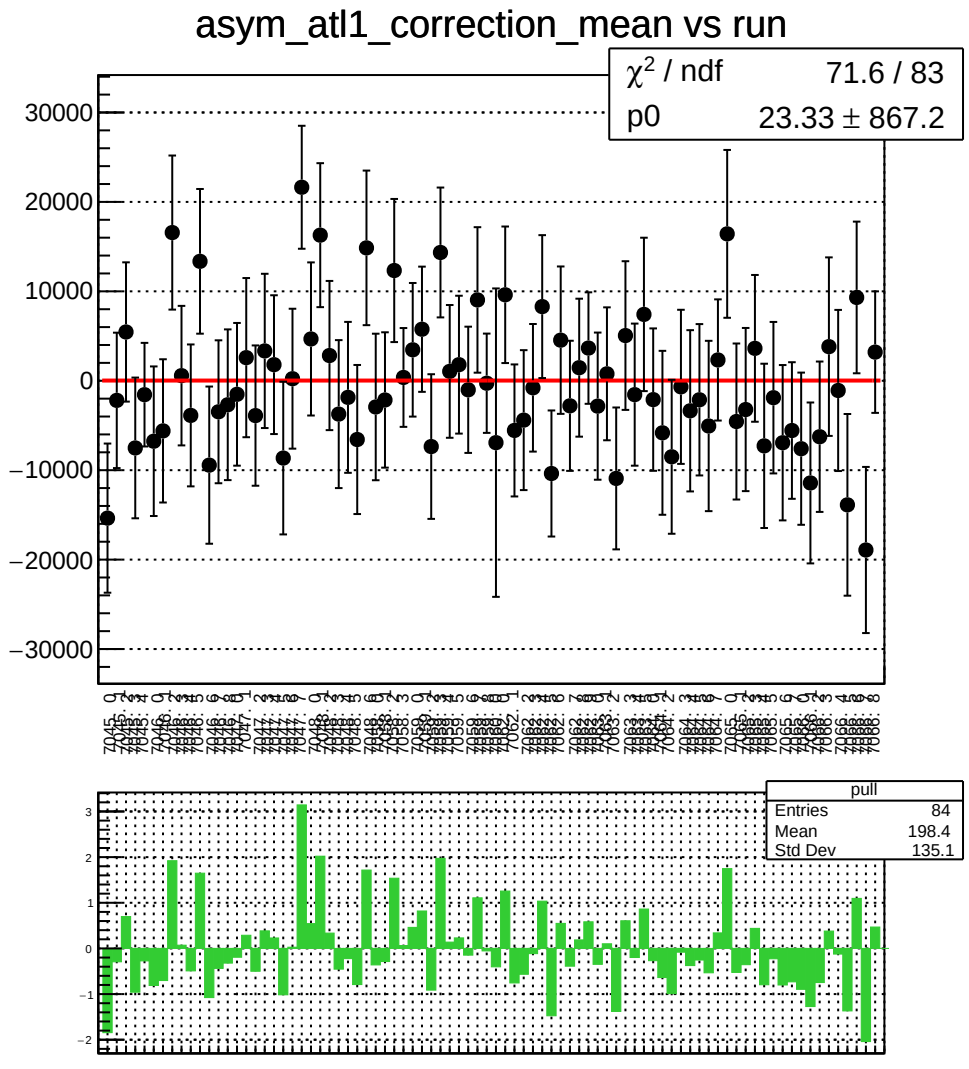

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 72.81 / 83
p0 −1519 ± 1596
pull
Entries 84
Mean −373.1
Std Dev 412.8
pull1D
Entries 84
Mean 0.005752
Std Dev 0.931

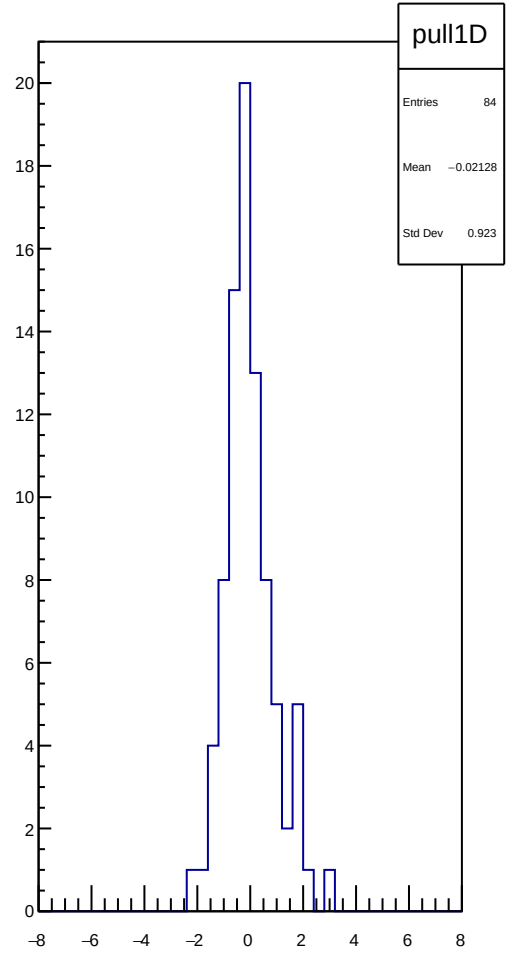

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.075e+04 / 83
p0 1420 ± 1.129
3000
2800
2600
2400
2200
2000
1800
1600
1400

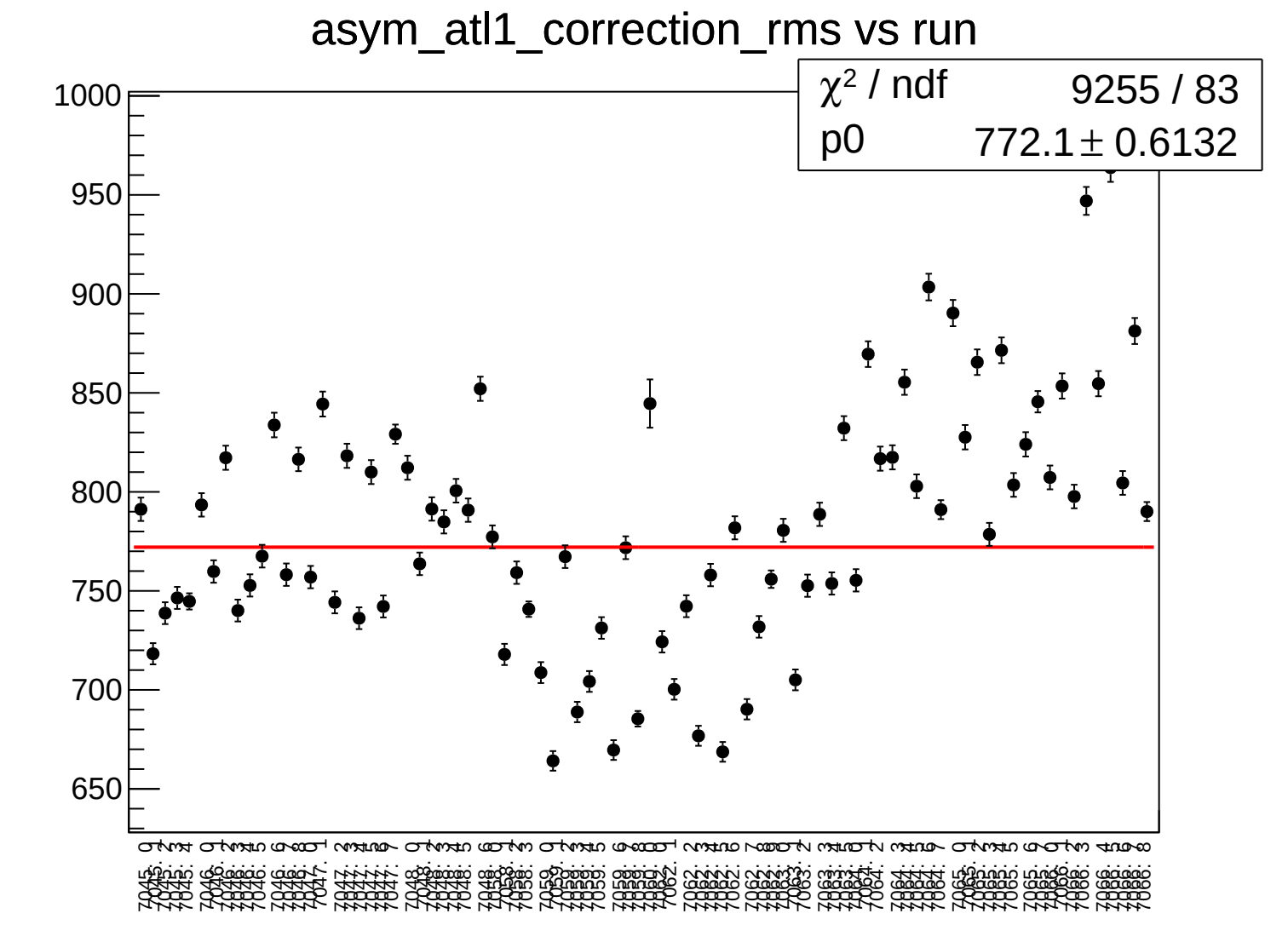

dit_asym_atl1_mean vs run
χ² / ndf 80.3 / 83
p0 1520 ± 2717
×10³
pull
Entries 84
Mean −170.4
Std Dev 215.2

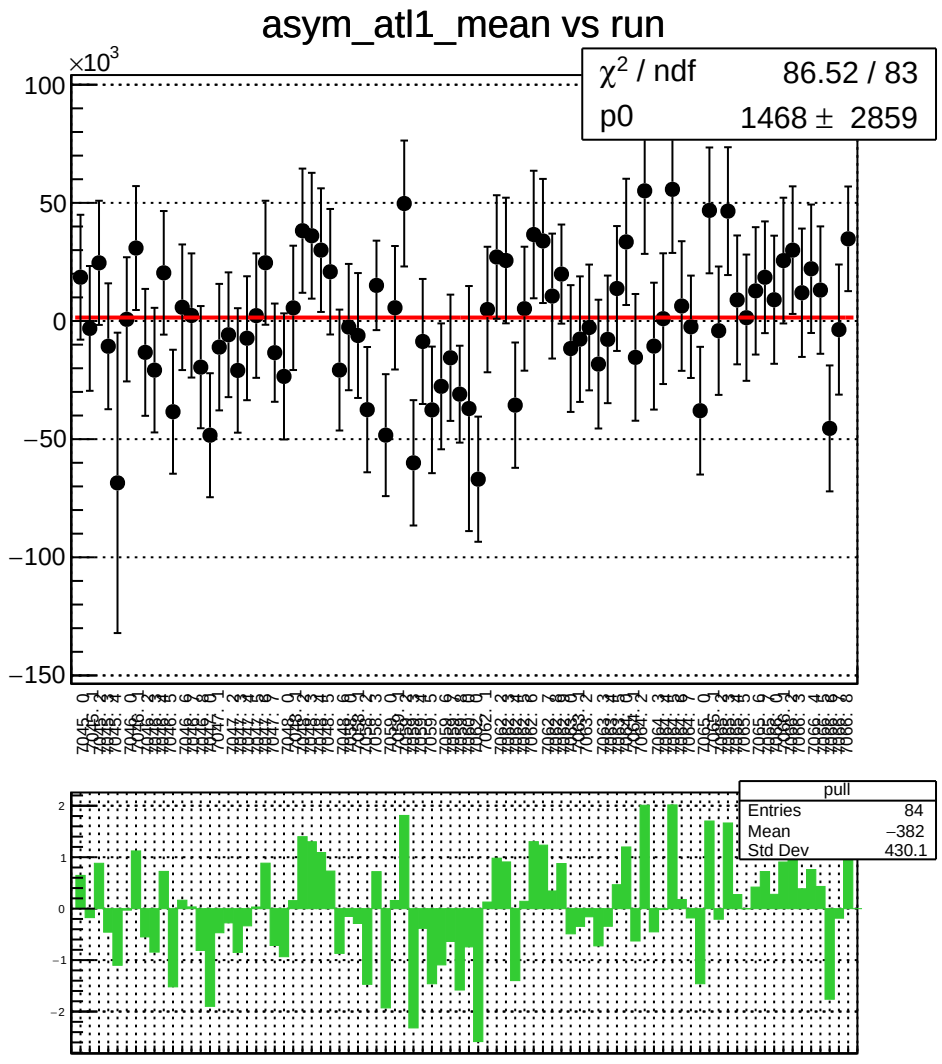

pull1D
Entries 84
Mean −0.02103
Std Dev 0.9775

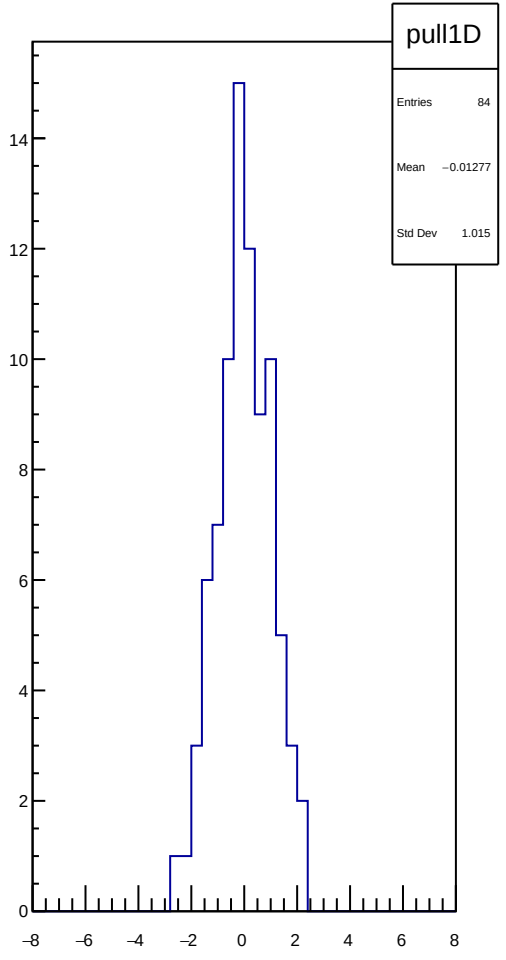

dit_asym_atl1_rms vs run
χ^2 / ndf 1.649e+04 / 83
p0 2414 ± 1.921
8000
7000
6000
5000
4000
3000
2000

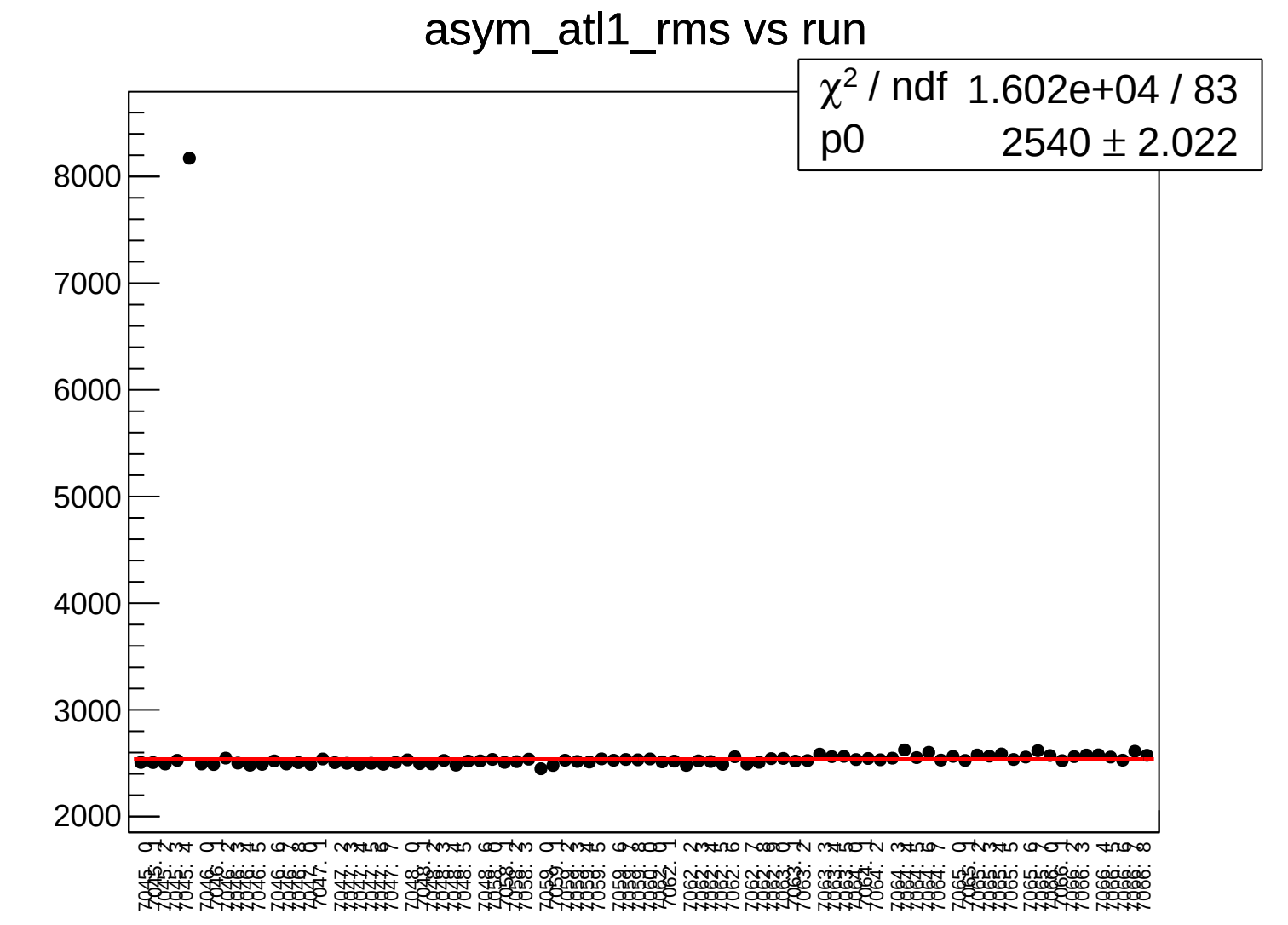

asym_atl1_correction_mean vs run
χ² / ndf 71.6 / 83
p0 23.33 ± 867.2
pull
Entries 84
Mean 198.4
Std Dev 135.1

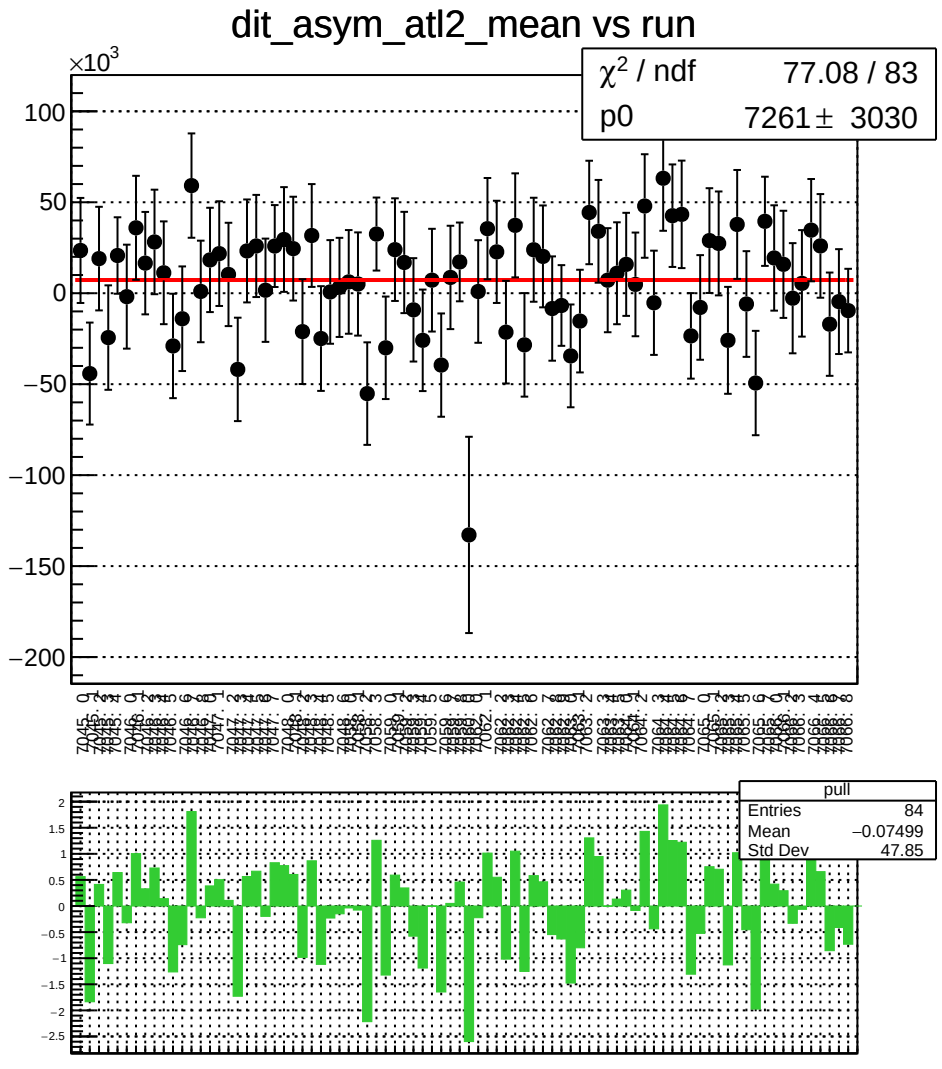

pull1D
Entries 84
Mean −0.02128
Std Dev 0.923

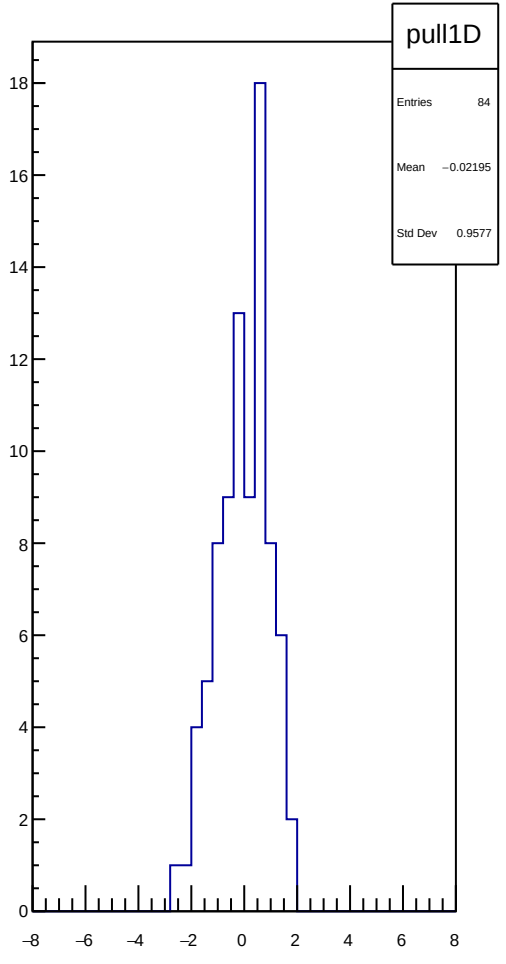

asym_atl1_correction_rms vs run
χ² / ndf 9255 / 83
p0 772.1 ± 0.6132
1000
950
900
850
800
750
700
650

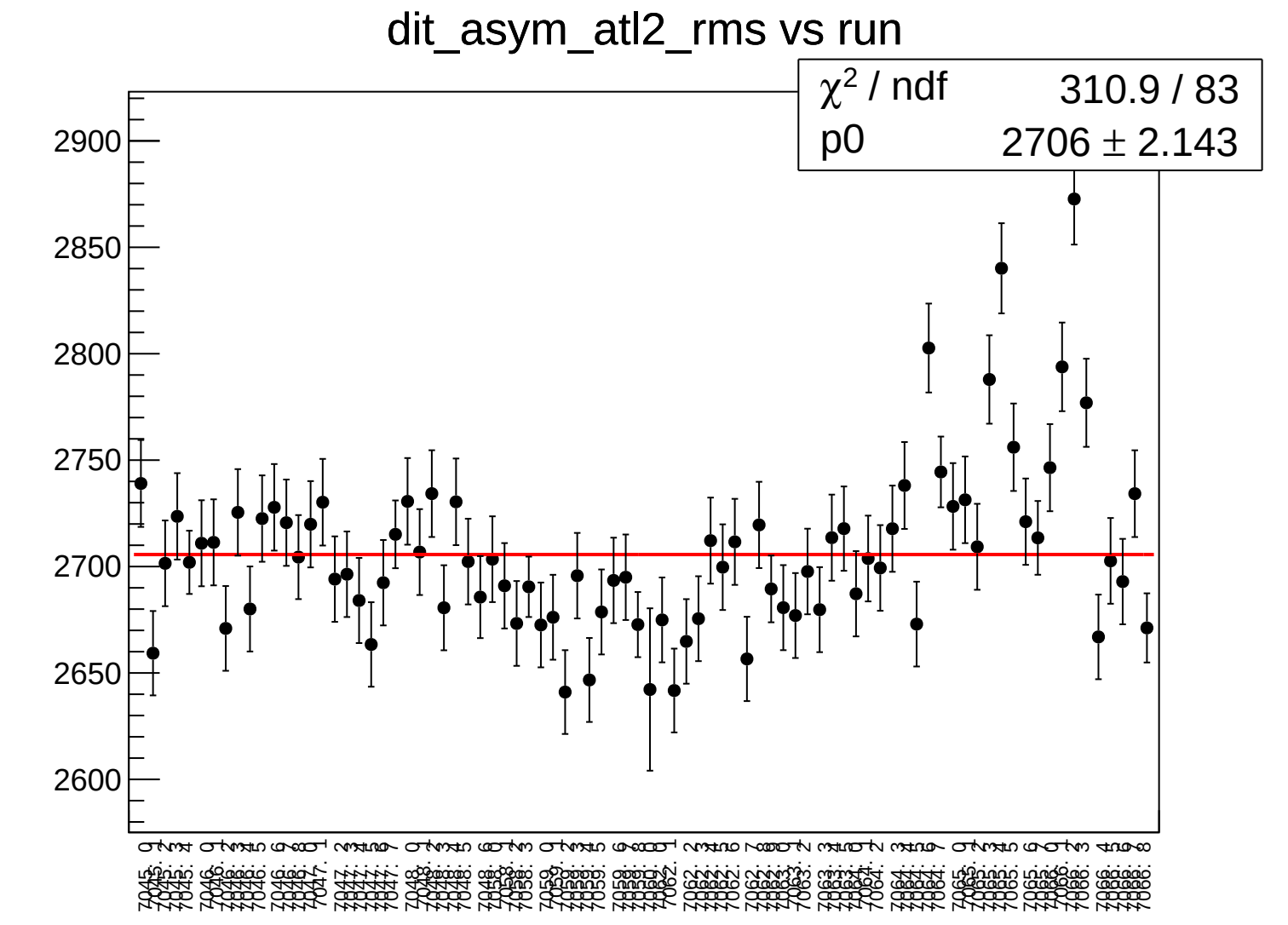

asym_atl1_mean vs run
×10^3
χ² / ndf 86.52 / 83
p0 1468 ± 2859
100
50
0
−50
−100
−150
pull
Entries 84
Mean −382
Std Dev 430.1
2
1
0
−1
−2

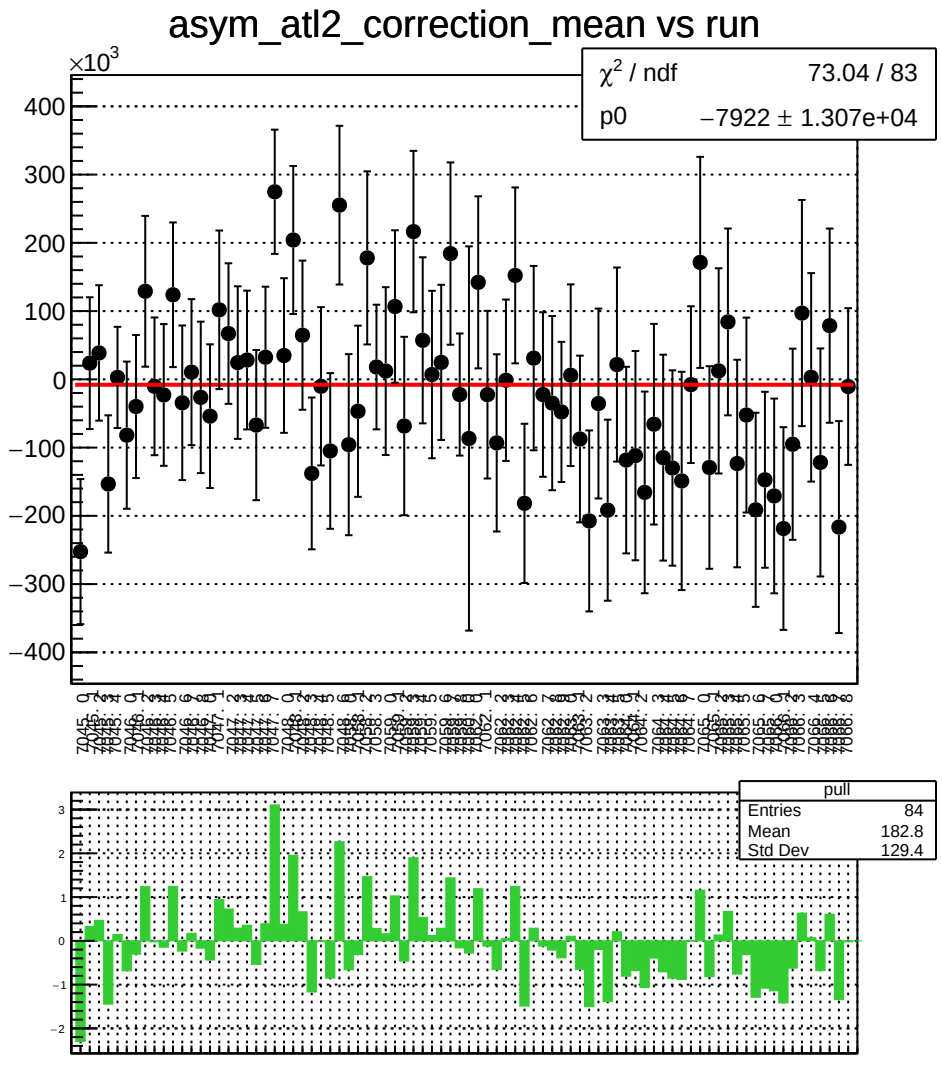

pull1D
Entries 84
Mean −0.01277
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

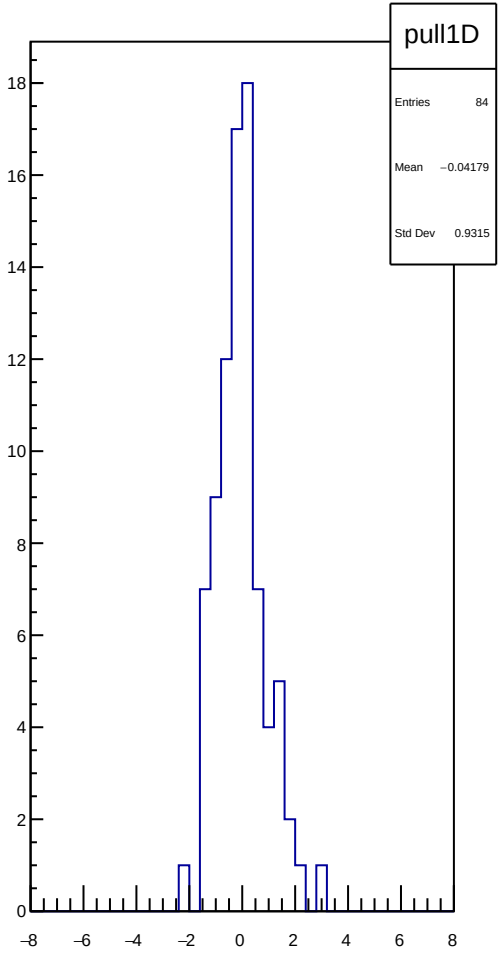

asym_atl1_rms vs run
χ² / ndf 1.602e+04 / 83
p0 2540 ± 2.022
8000
7000
6000
5000
4000
3000
2000

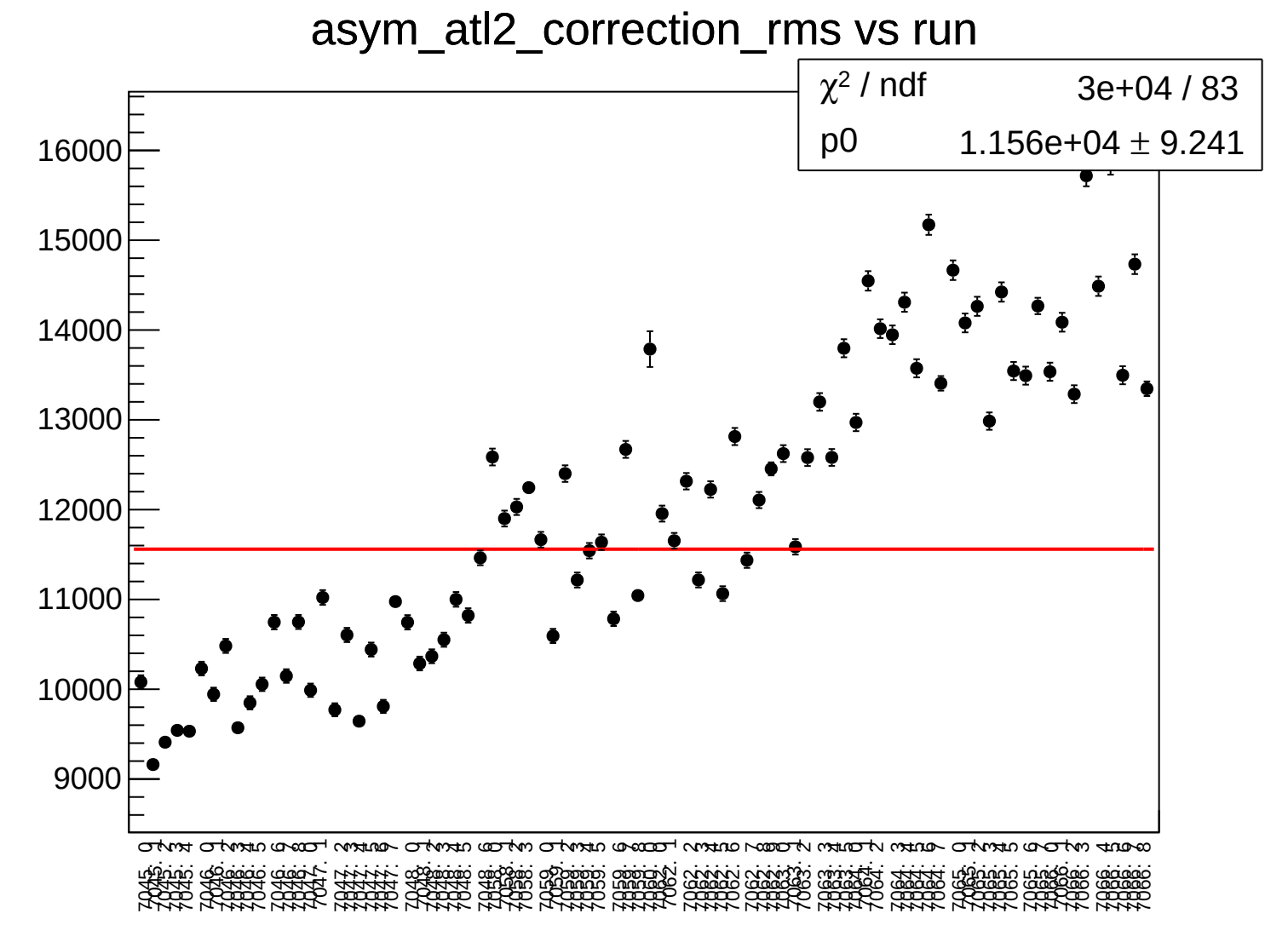

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 77.08 / 83
p0 7261 ± 3030
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −0.07499
Std Dev 47.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

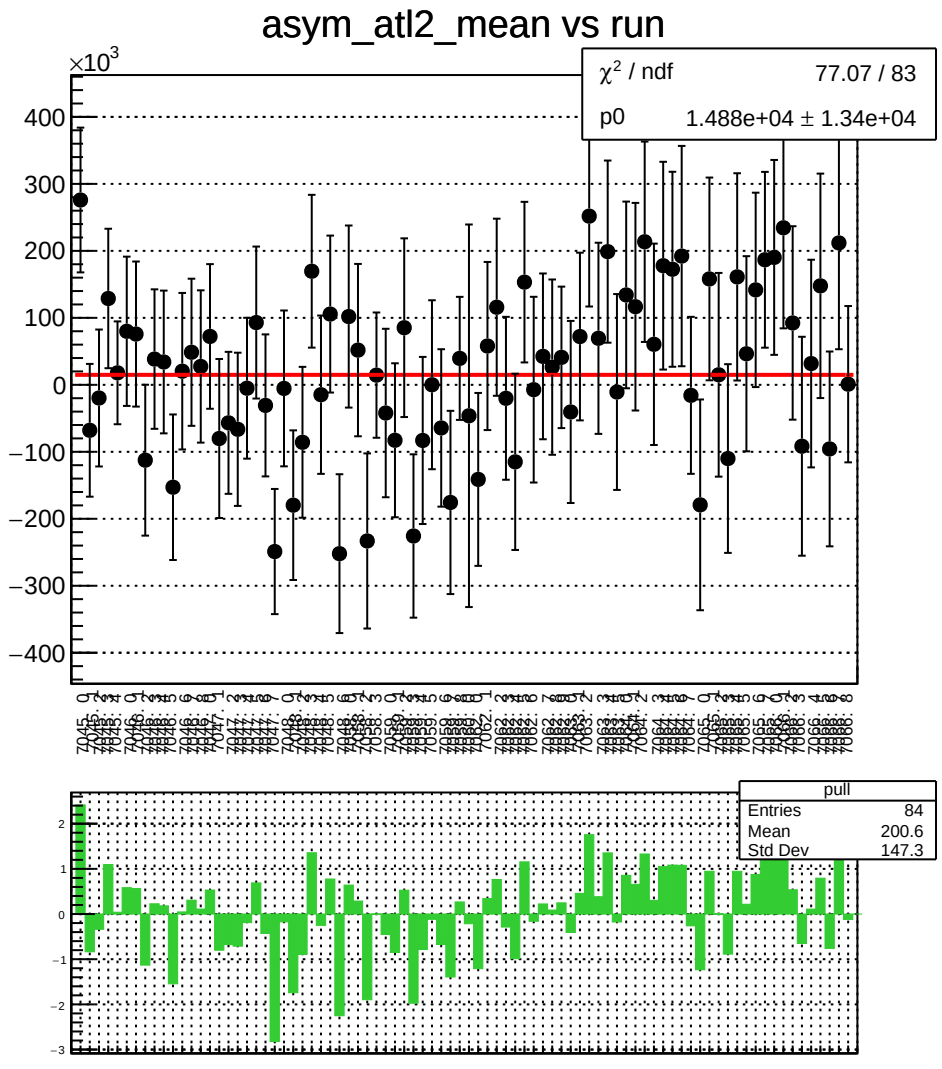

pull1D
Entries 84
Mean −0.02195
Std Dev 0.9577
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

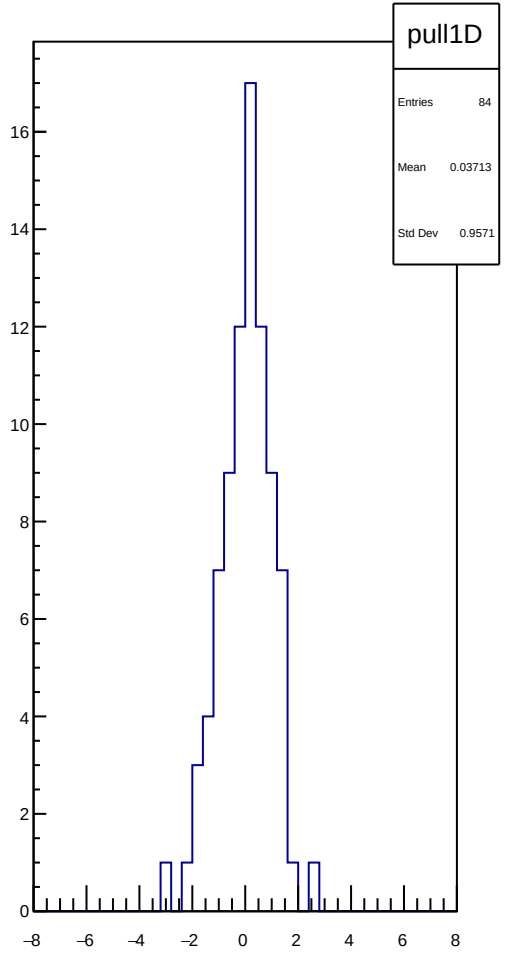

dit_asym_atl2_rms vs run
χ² / ndf 310.9 / 83
p0 2706 ± 2.143
2900
2850
2800
2750
2700
2650
2600

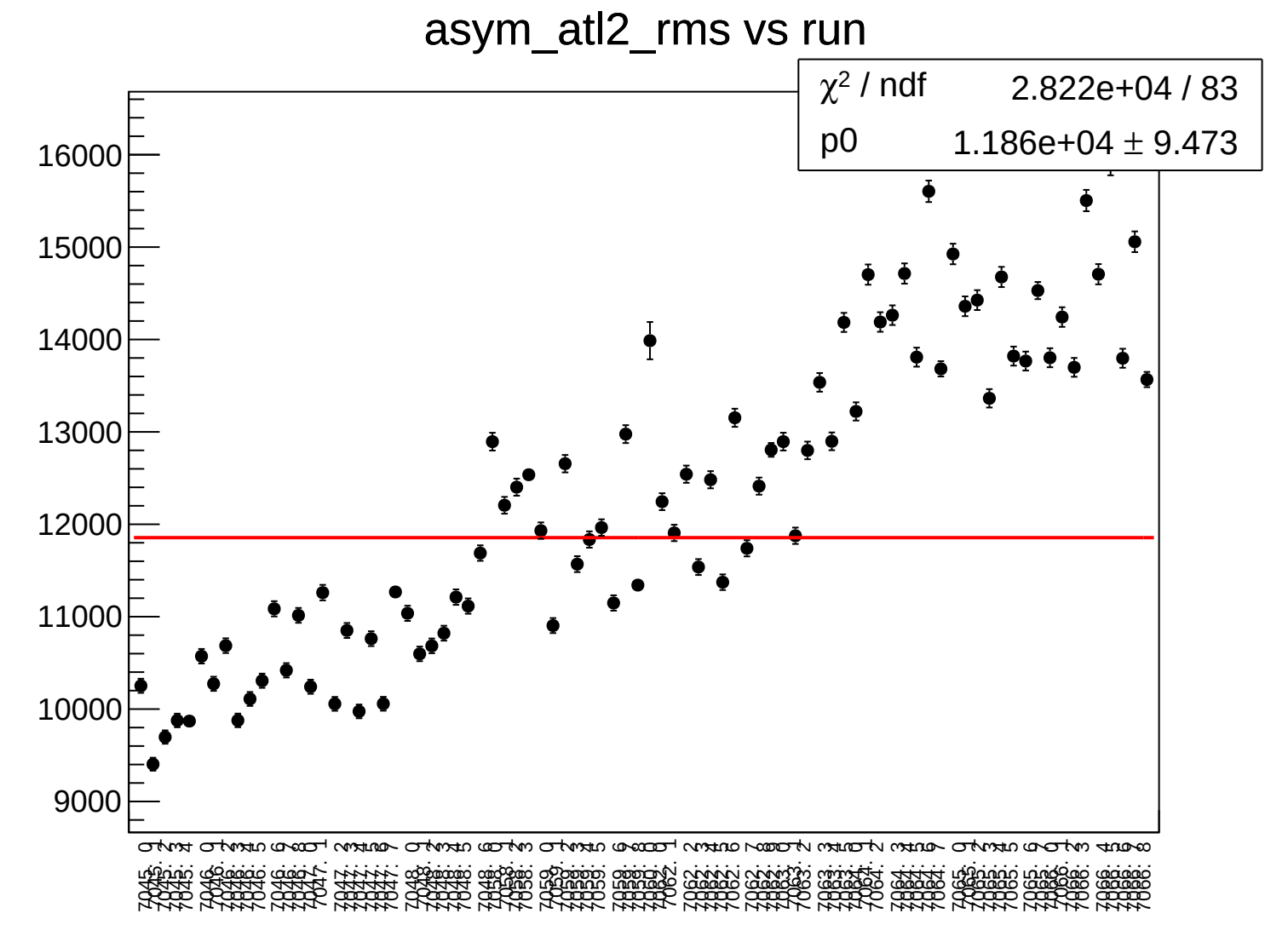

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 73.04 / 83
p0 −7922 ± 1.307e+04
pull
Entries 84
Mean 182.8
Std Dev 129.4

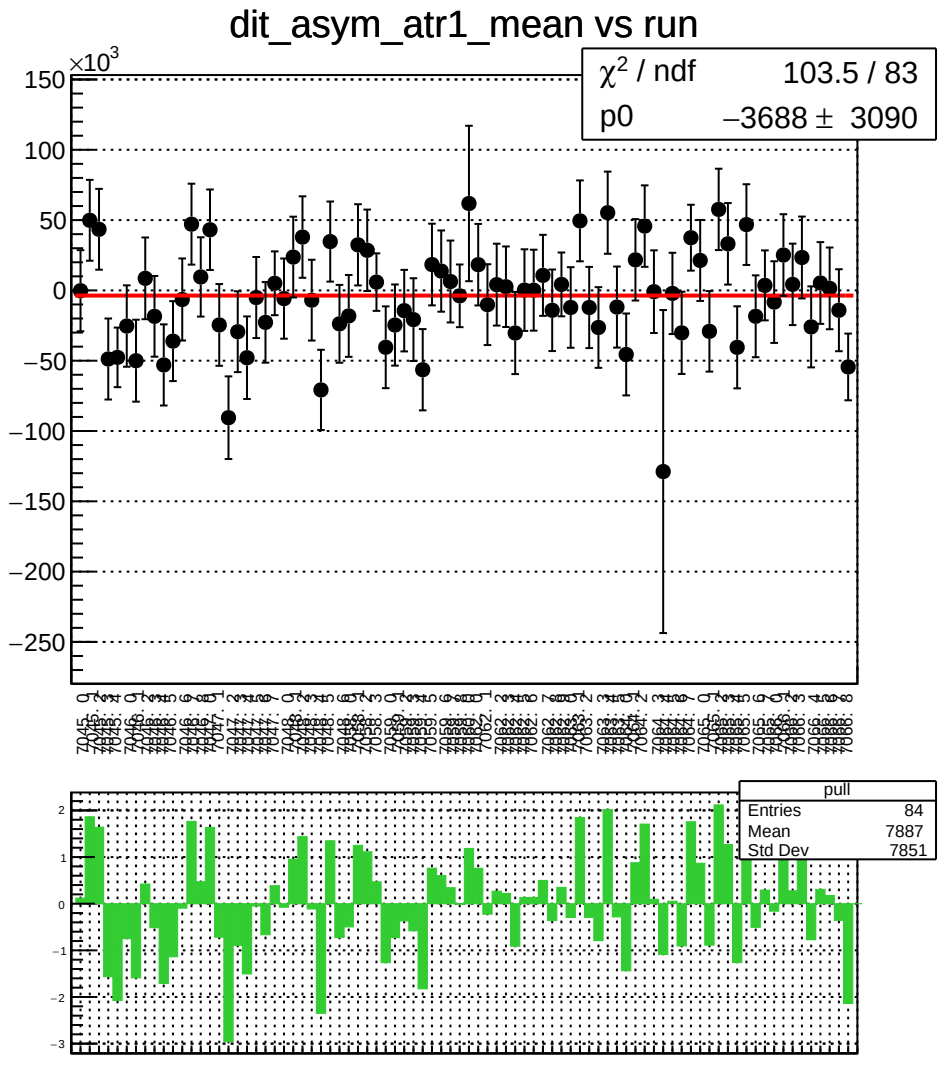

pull1D
Entries 84
Mean −0.04179
Std Dev 0.9315

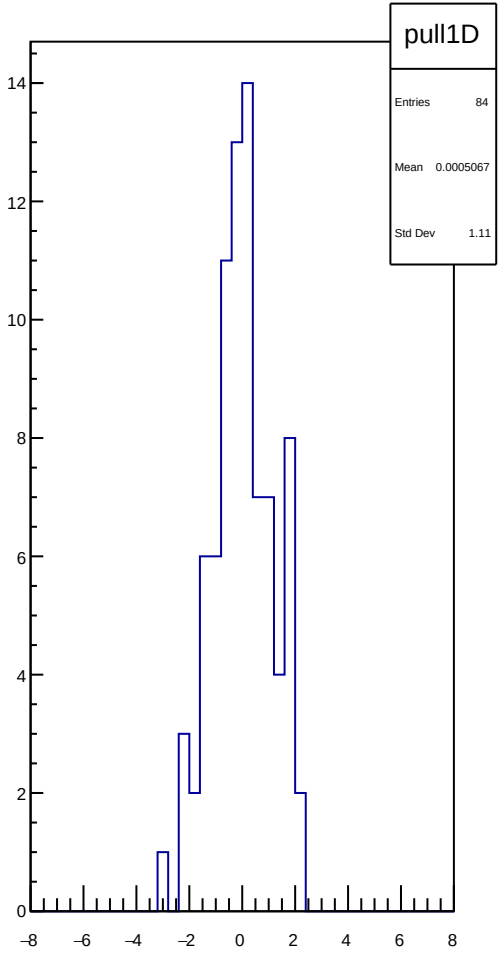

asym_atl2_correction_rms vs run
χ² / ndf 3e+04 / 83
p0 1.156e+04 ± 9.241
16000
15000
14000
13000
12000
11000
10000
9000

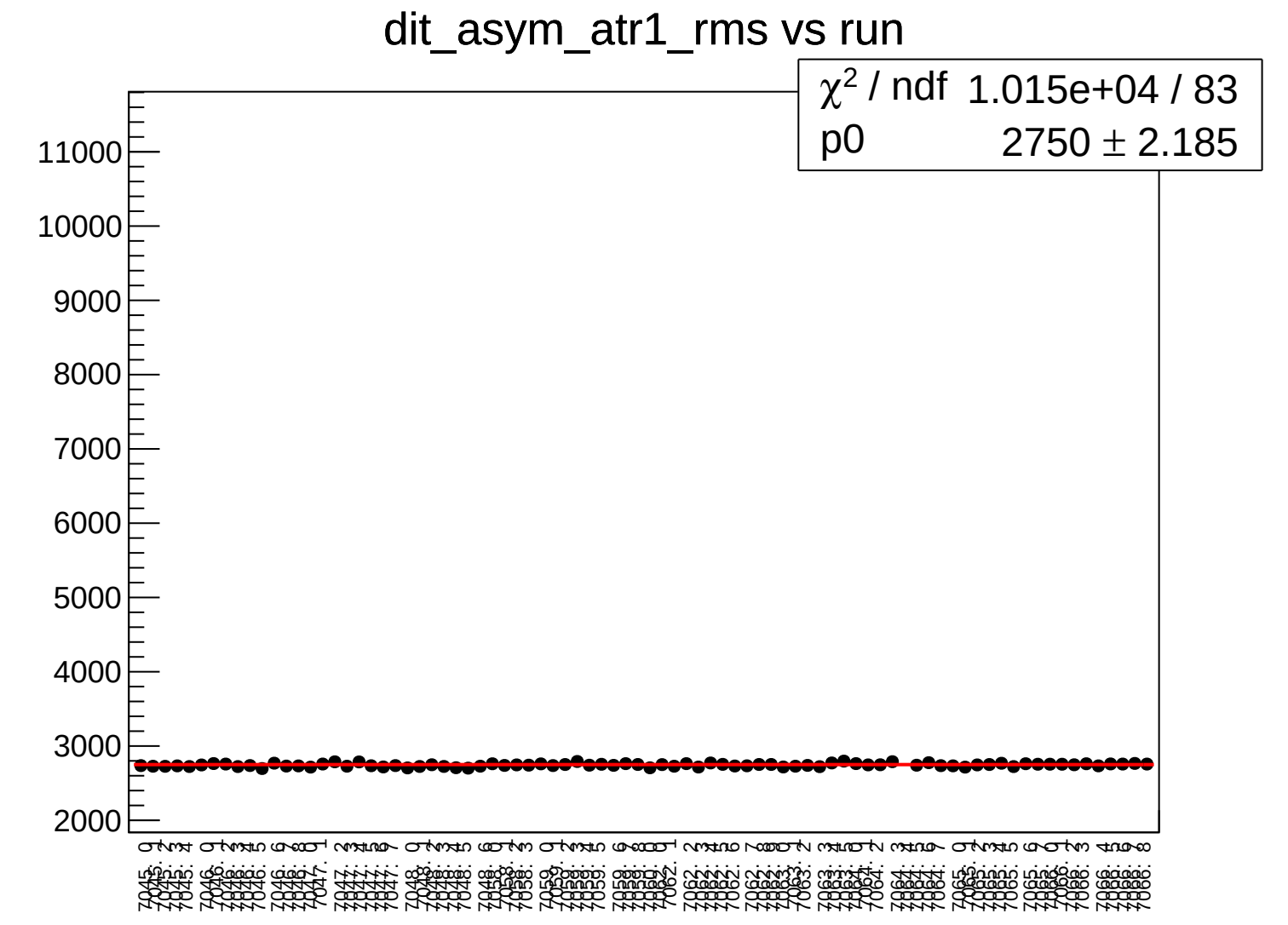

asym_atl2_mean vs run
×10^3
χ² / ndf 77.07 / 83
p0 1.488e+04 ± 1.34e+04
pull
Entries 84
Mean 200.6
Std Dev 147.3

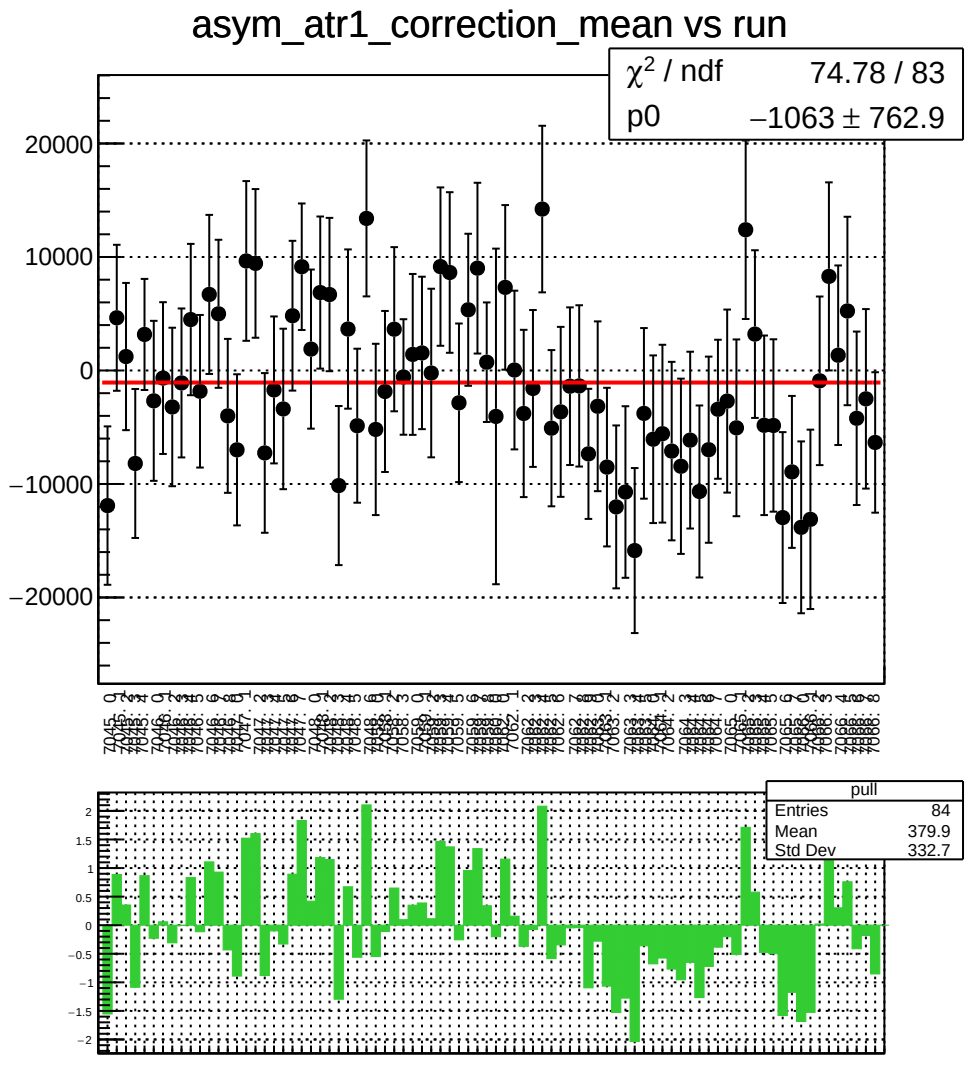

pull1D
Entries 84
Mean 0.03713
Std Dev 0.9571

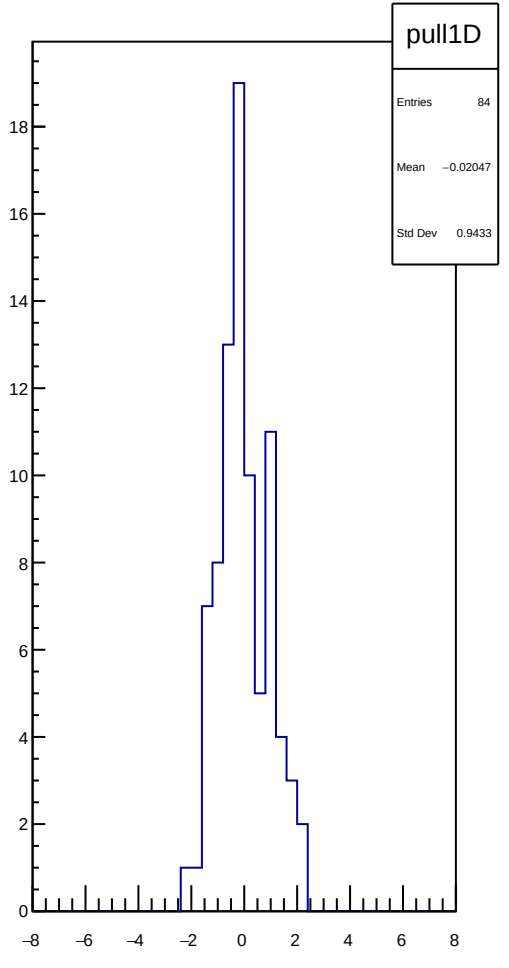

asym_atl2_rms vs run
χ² / ndf 2.822e+04 / 83
p0 1.186e+04 ± 9.473
16000
15000
14000
13000
12000
11000
10000
9000

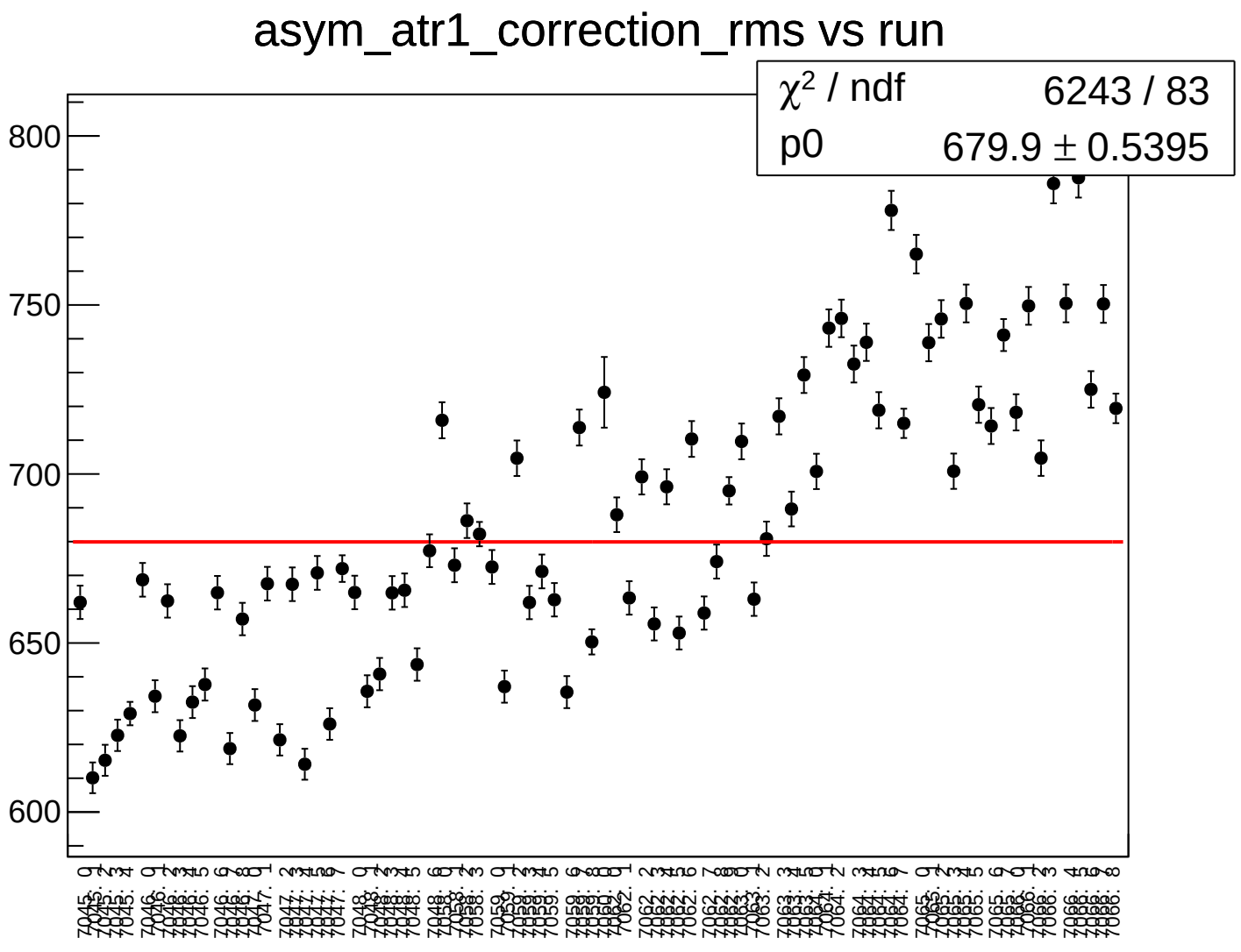

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 103.5 / 83
p0 −3688 ± 3090
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 84
Mean 7887
Std Dev 7851
2
1
0
−1
−2
−3

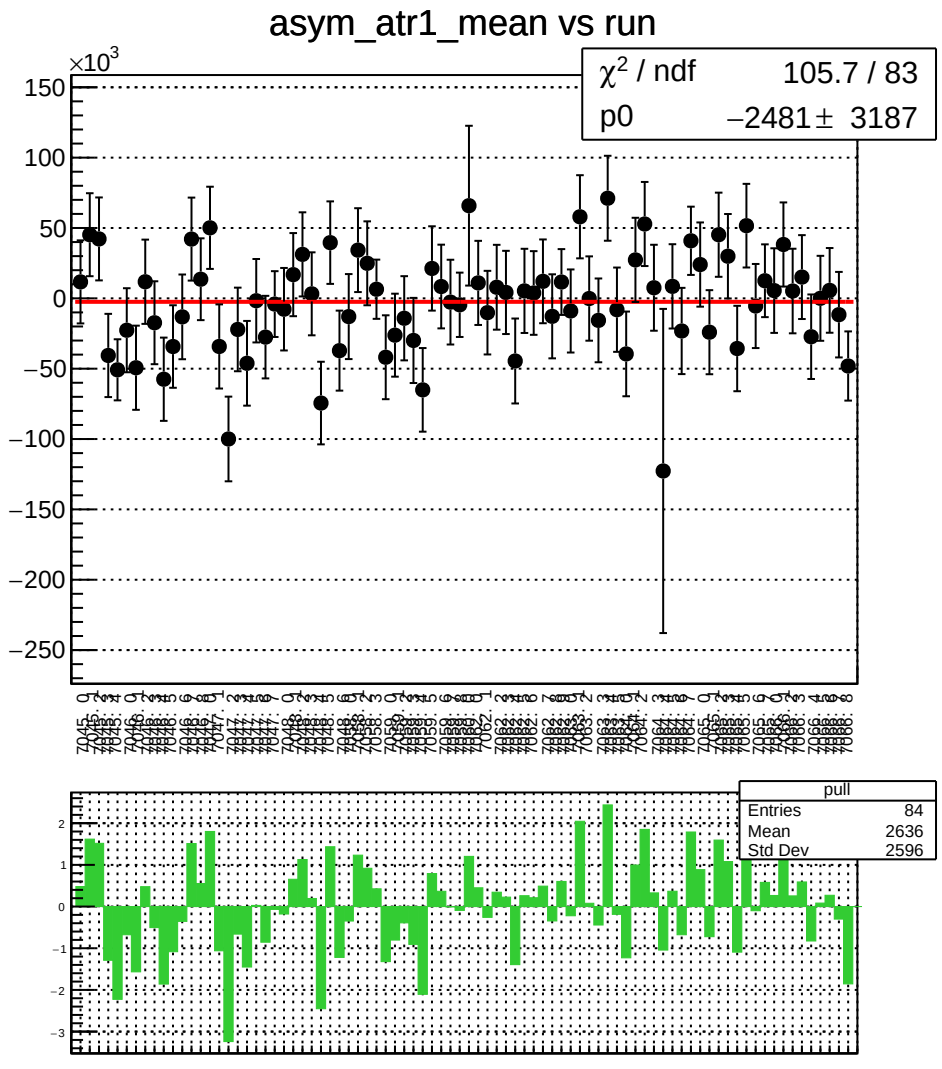

pull1D
Entries 84
Mean 0.0005067
Std Dev 1.11
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

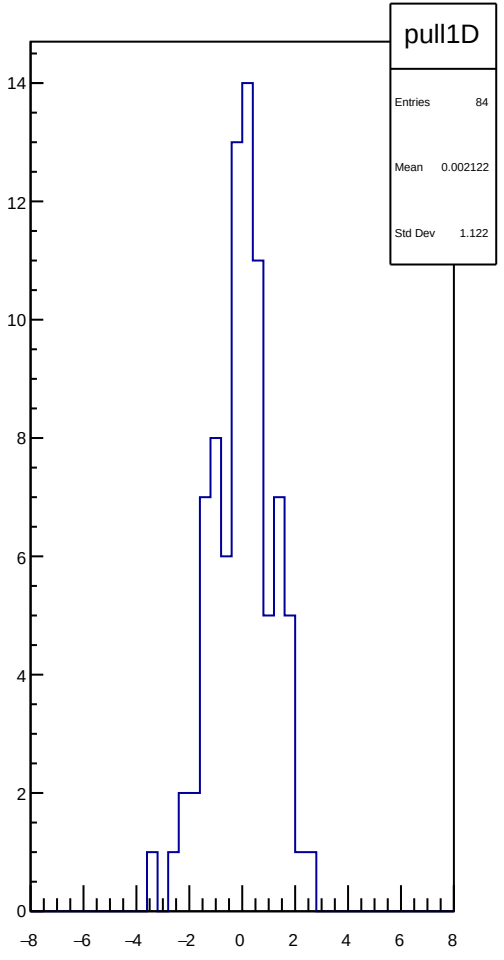

dit_asym_atr1_rms vs run
χ² / ndf 1.015e+04 / 83
p0 2750 ± 2.185
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

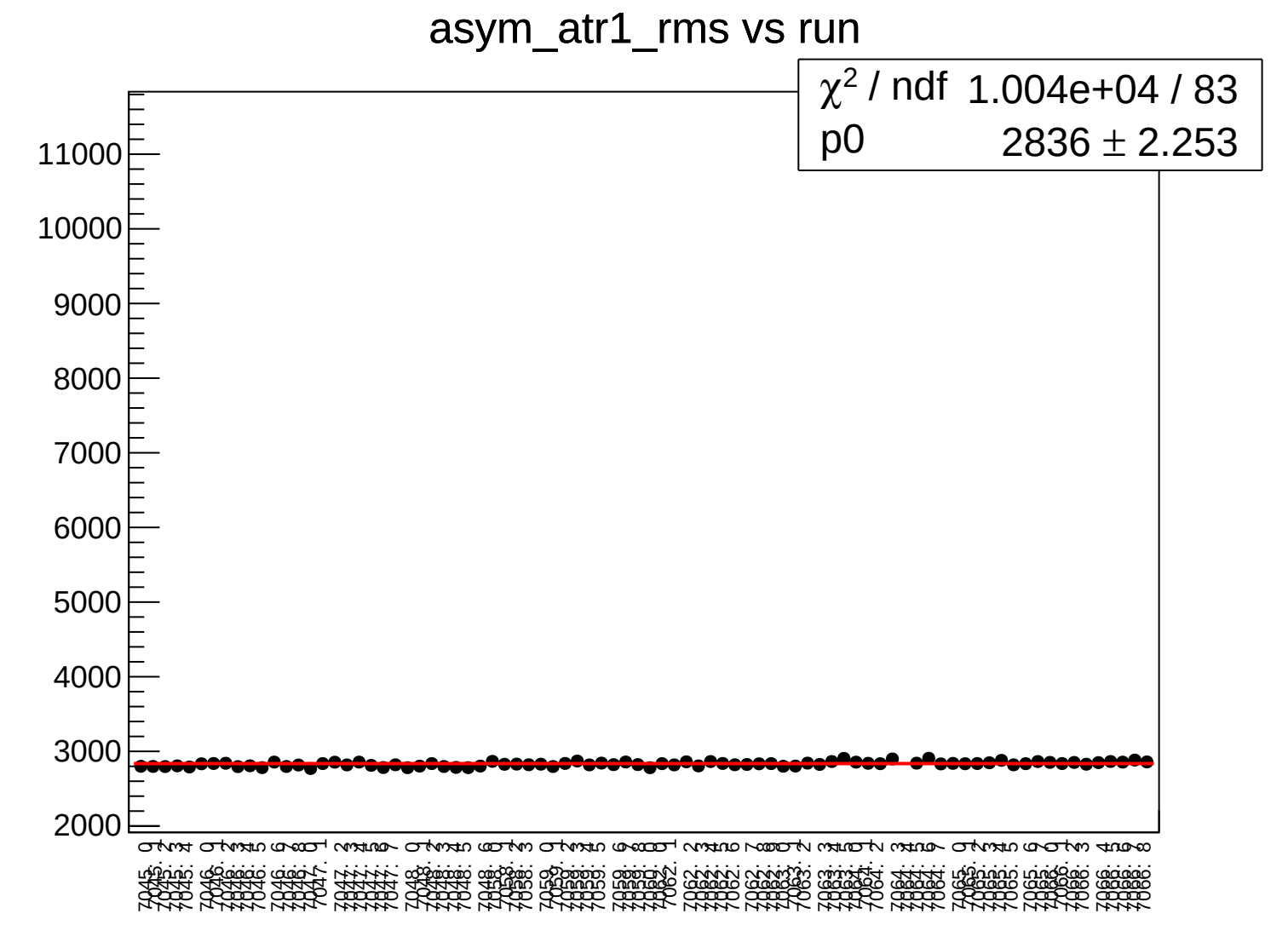

asym_atr1_correction_mean vs run
χ² / ndf 74.78 / 83
p0 −1063 ± 762.9
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 379.9
Std Dev 332.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

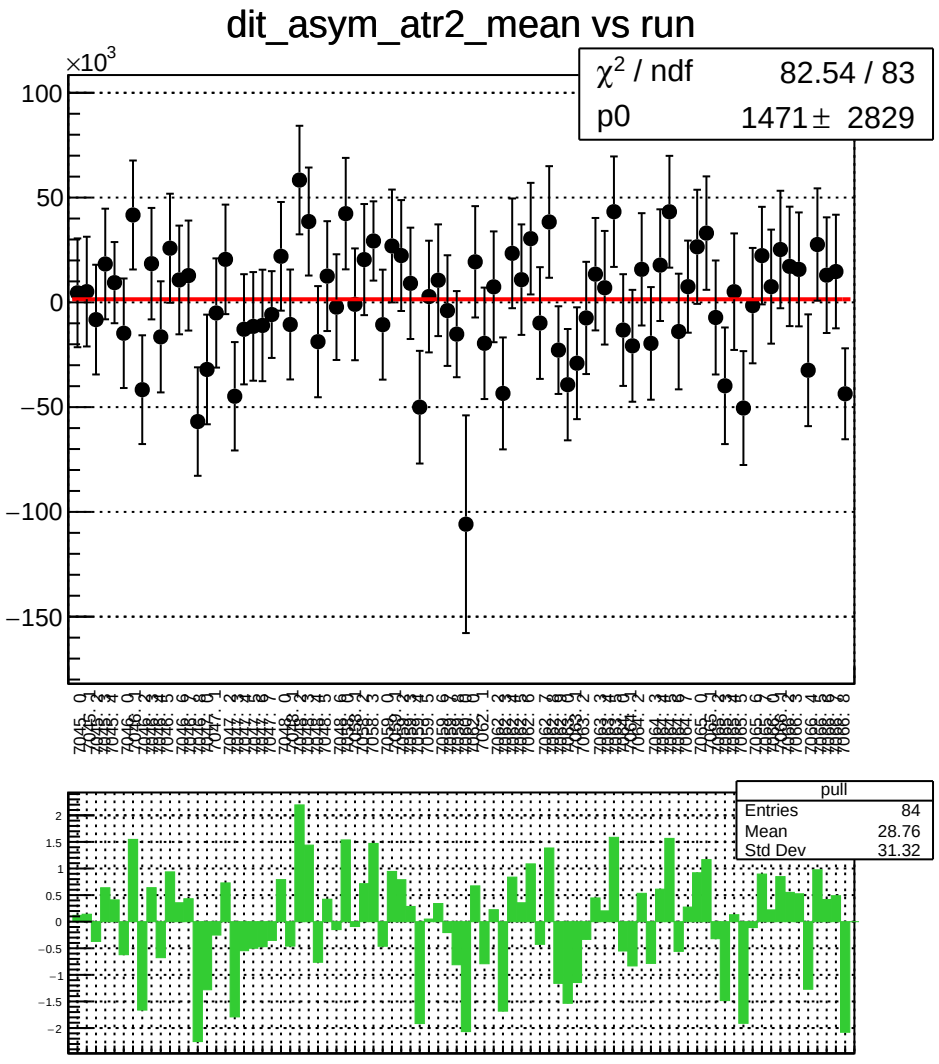

pull1D
Entries 84
Mean −0.02047
Std Dev 0.9433
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

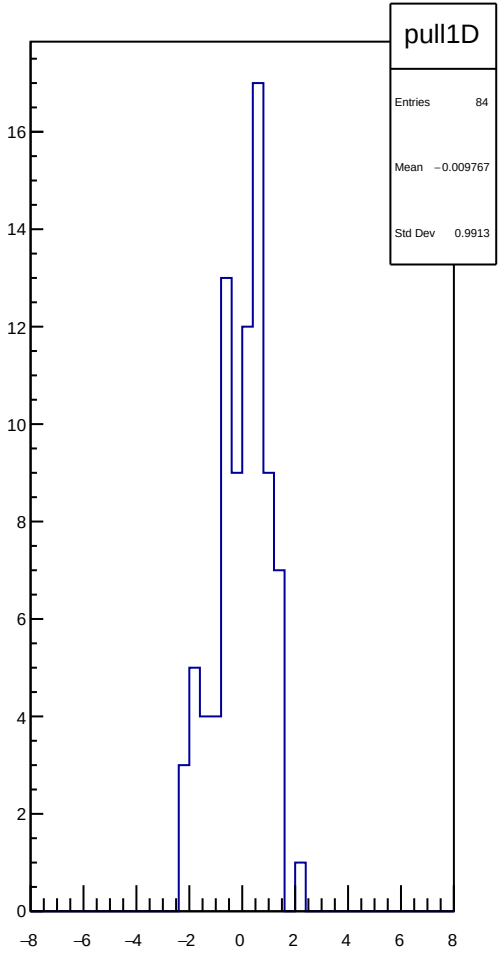

asym_atr1_correction_rms vs run
χ² / ndf 6243 / 83
p0 679.9 ± 0.5395
800
750
700
650
600

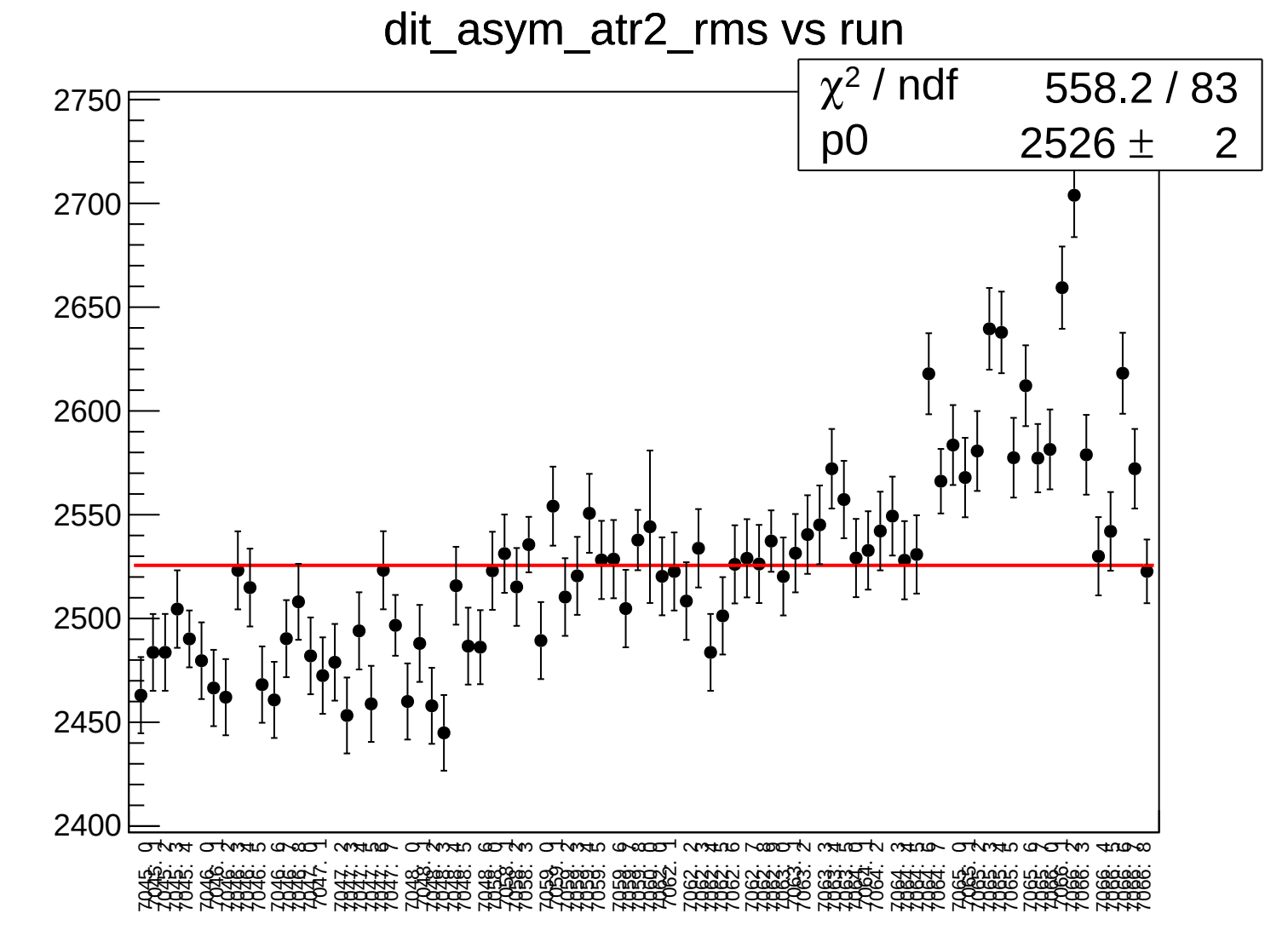

asym_atr1_mean vs run
×10^3
χ² / ndf 105.7 / 83
p0 −2481 ± 3187
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 84
Mean 2636
Std Dev 2596
2
1
0
−1
−2
−3

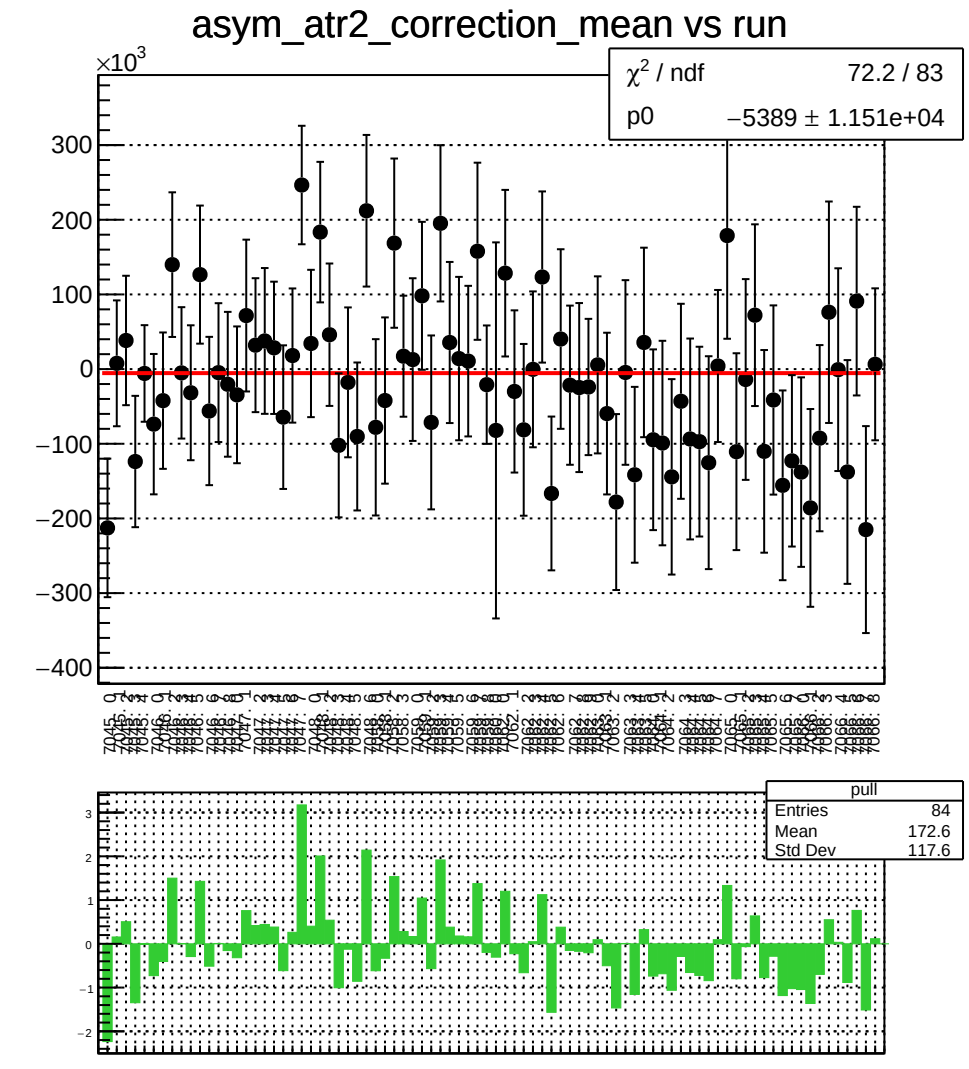

pull1D
Entries 84
Mean 0.002122
Std Dev 1.122
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

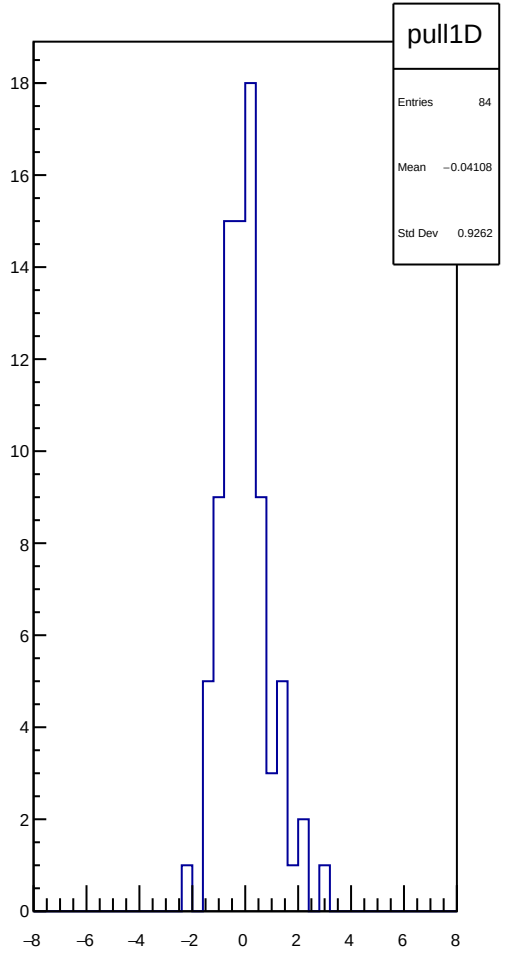

asym_atr1_rms vs run
χ^2 / ndf 1.004e+04 / 83
p0 2836 ± 2.253
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

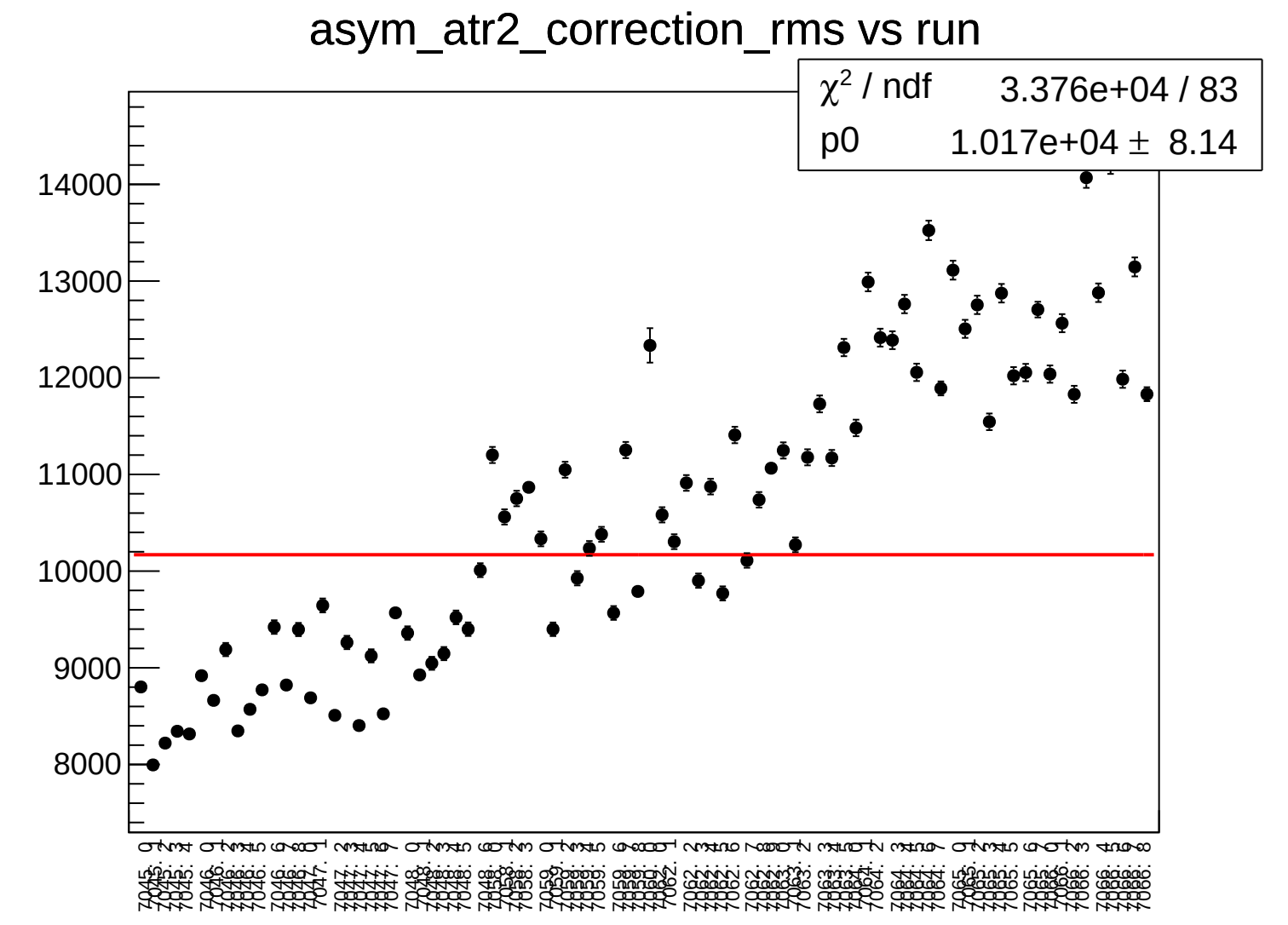

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 82.54 / 83
p0 1471 ± 2829
100
50
0
−50
−100
−150
pull
Entries 84
Mean 28.76
Std Dev 31.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

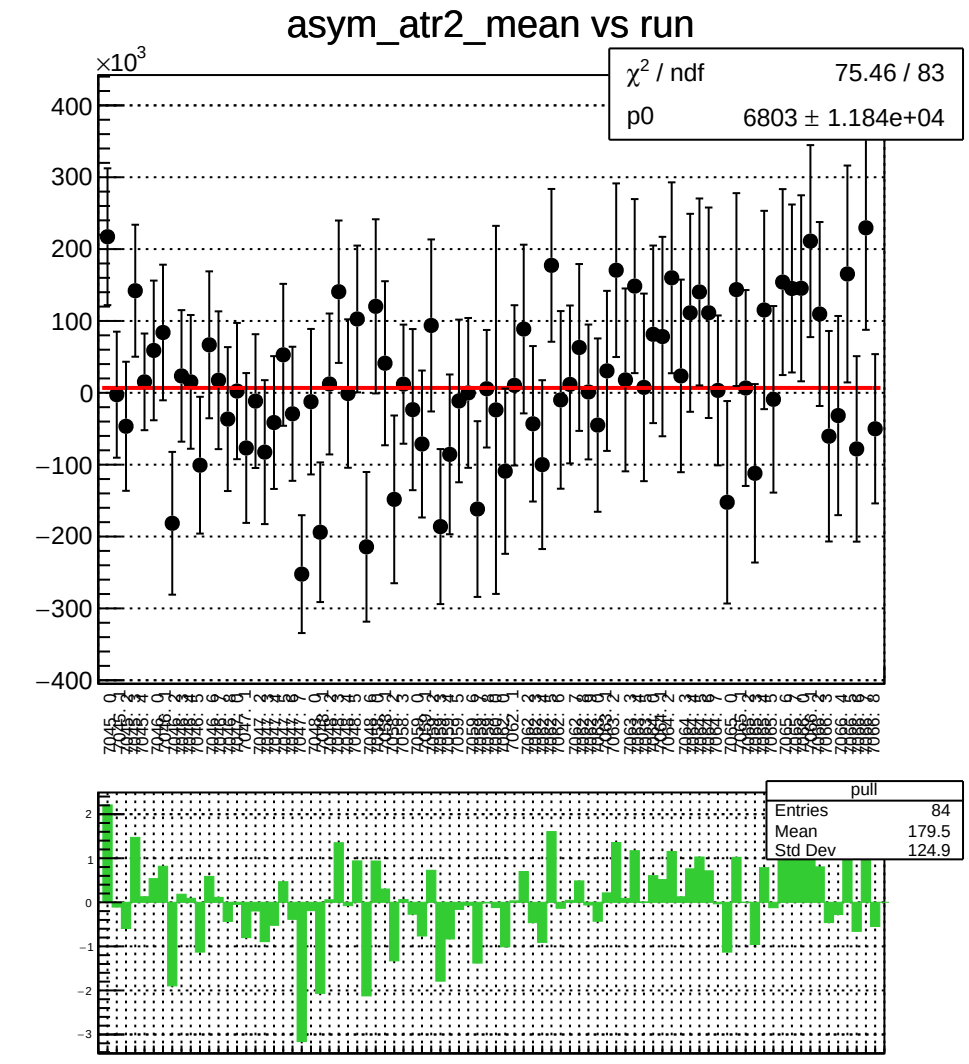

pull1D
Entries 84
Mean −0.009767
Std Dev 0.9913
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

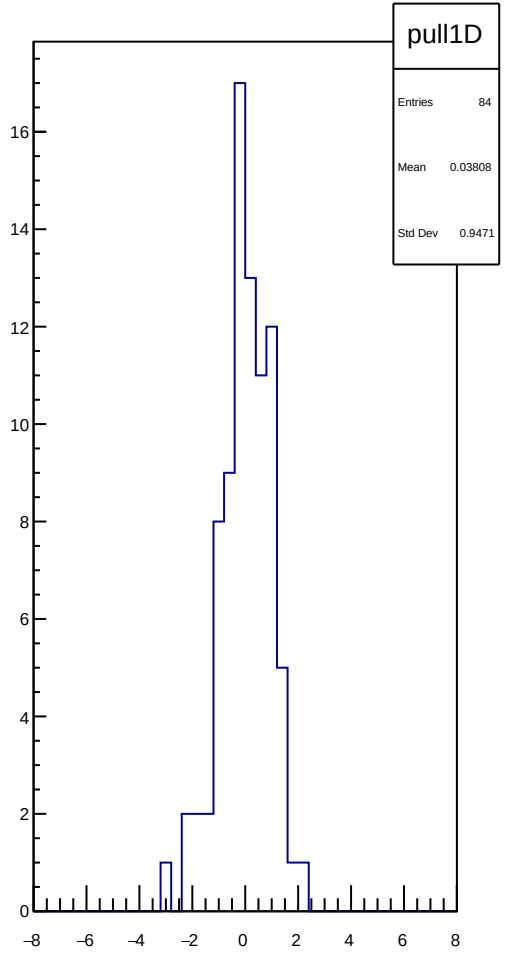

dit_asym_atr2_rms vs run
χ² / ndf 558.2 / 83
p0 2526 ± 2
2750
2700
2650
2600
2550
2500
2450
2400

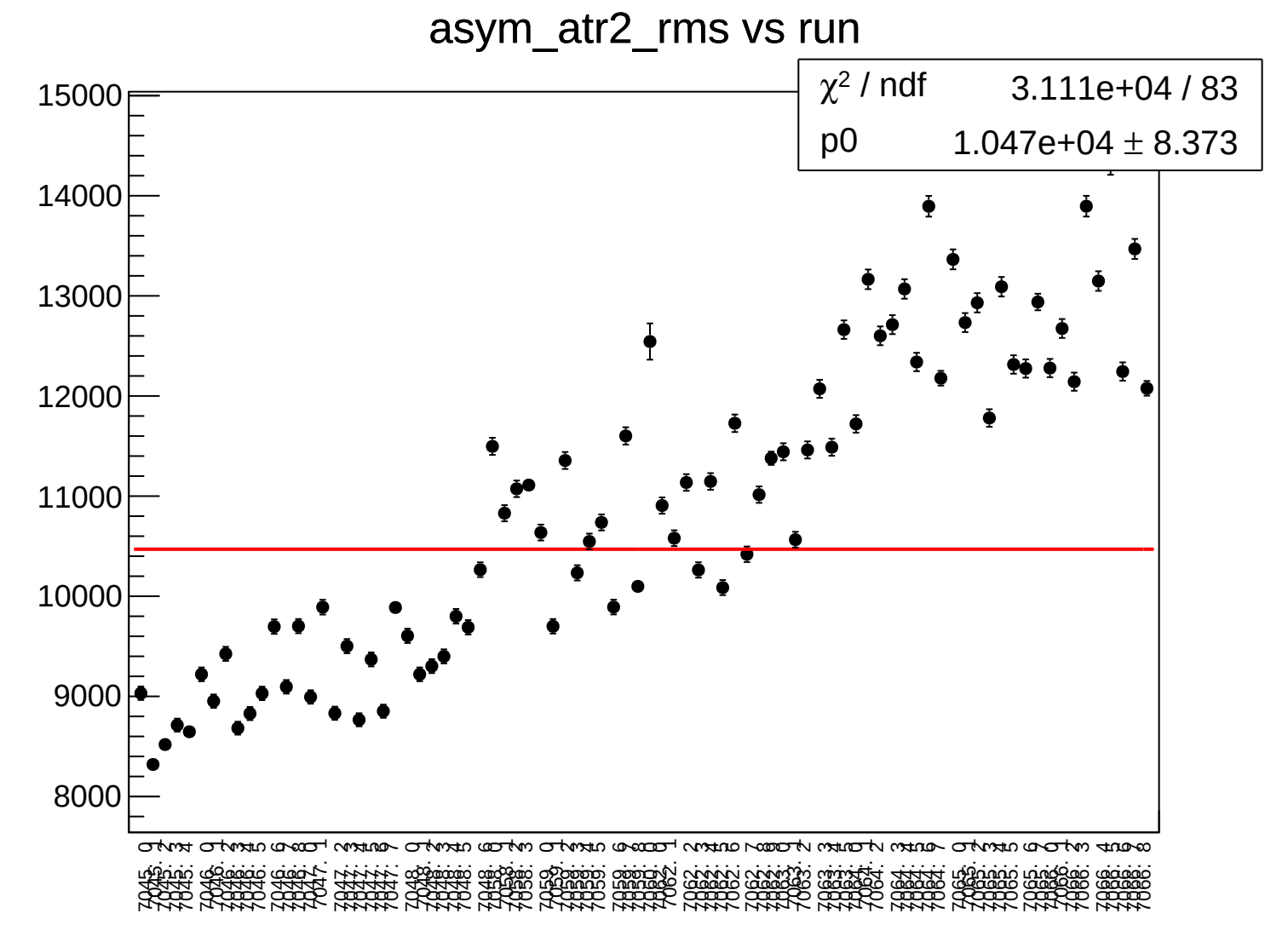

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 72.2 / 83
p0 −5389 ± 1.151e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 84
Mean 172.6
Std Dev 117.6
3
2
1
0
−1
−2

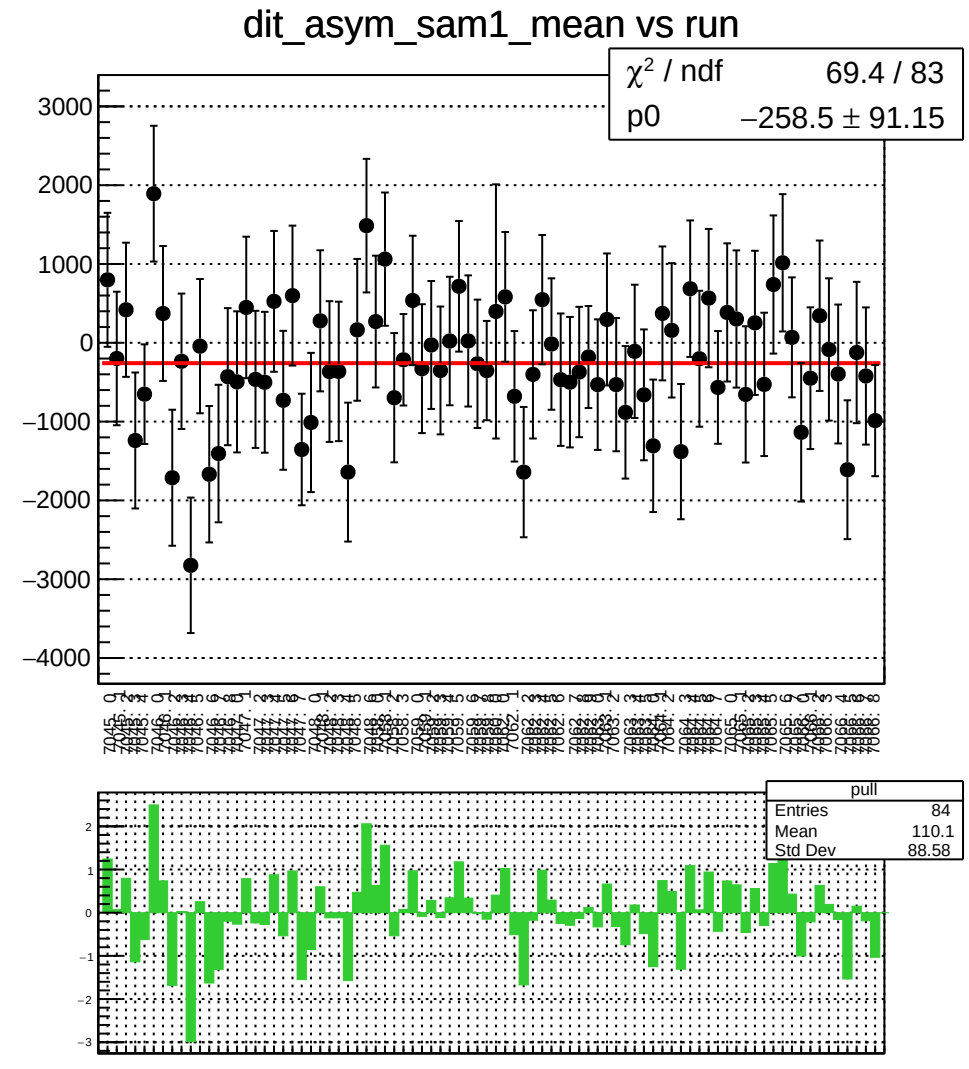

pull1D
Entries 84
Mean −0.04108
Std Dev 0.9262
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

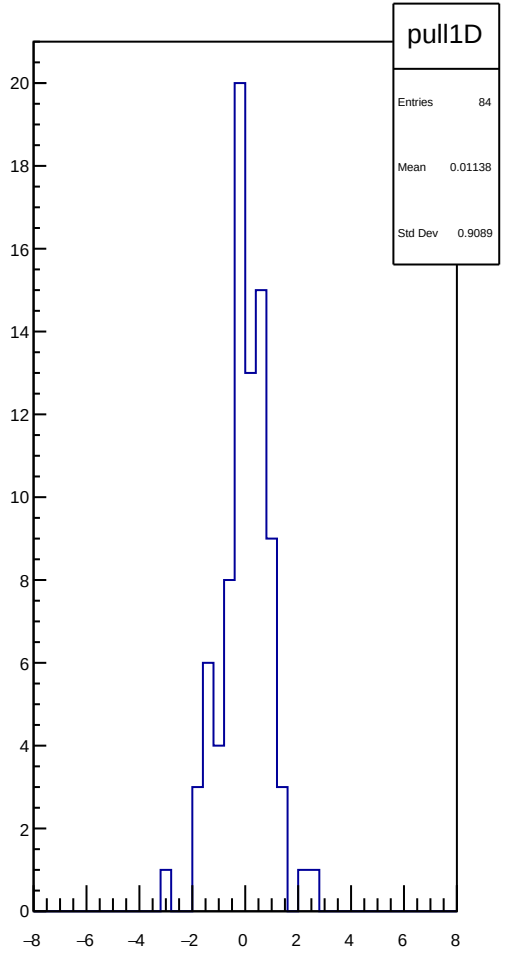

asym_atr2_correction_rms vs run
χ² / ndf 3.376e+04 / 83
p0 1.017e+04 ± 8.14
14000
13000
12000
11000
10000
9000
8000

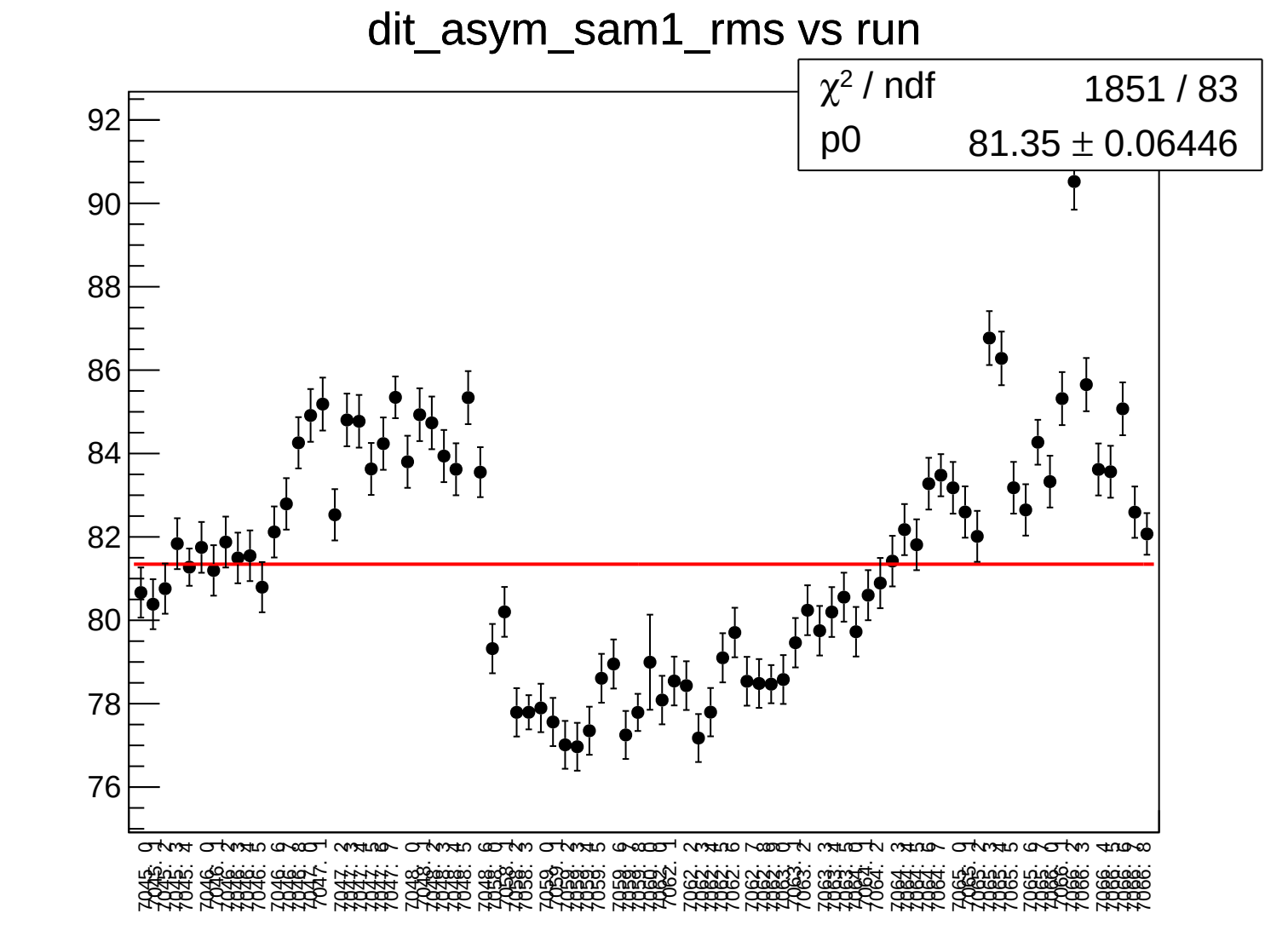

asym_atr2_mean vs run
×10^3
χ² / ndf 75.46 / 83
p0 6803 ± 1.184e+04
pull
Entries 84
Mean 179.5
Std Dev 124.9

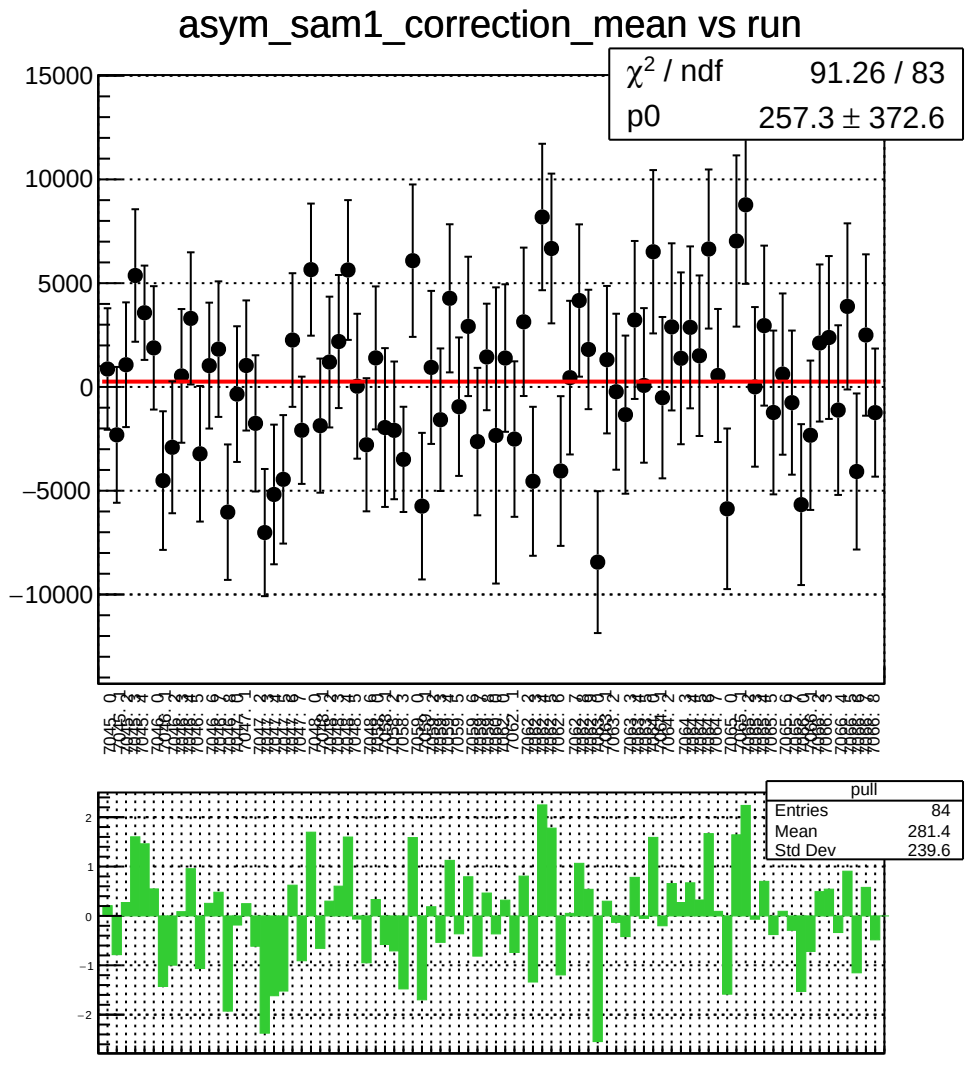

pull1D
Entries 84
Mean 0.03808
Std Dev 0.9471

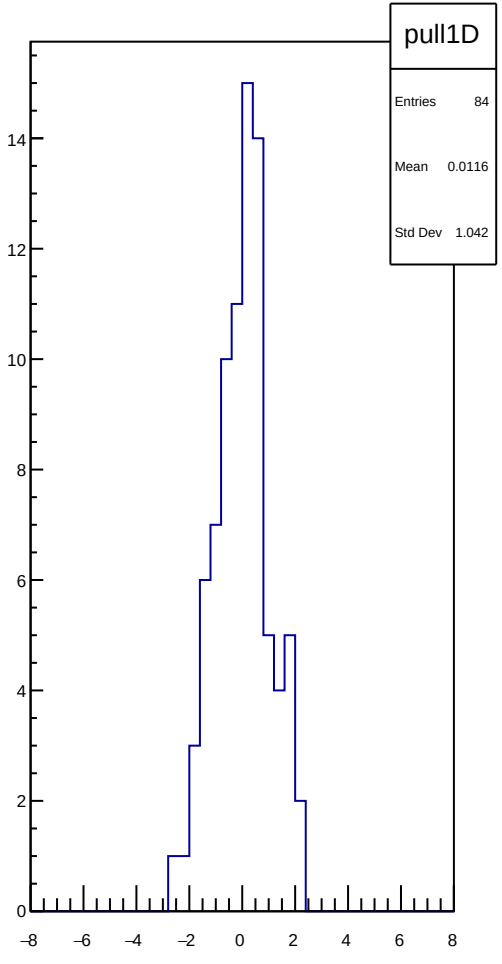

asym_atr2_rms vs run
χ² / ndf 3.111e+04 / 83
p0 1.047e+04 ± 8.373
15000
14000
13000
12000
11000
10000
9000
8000

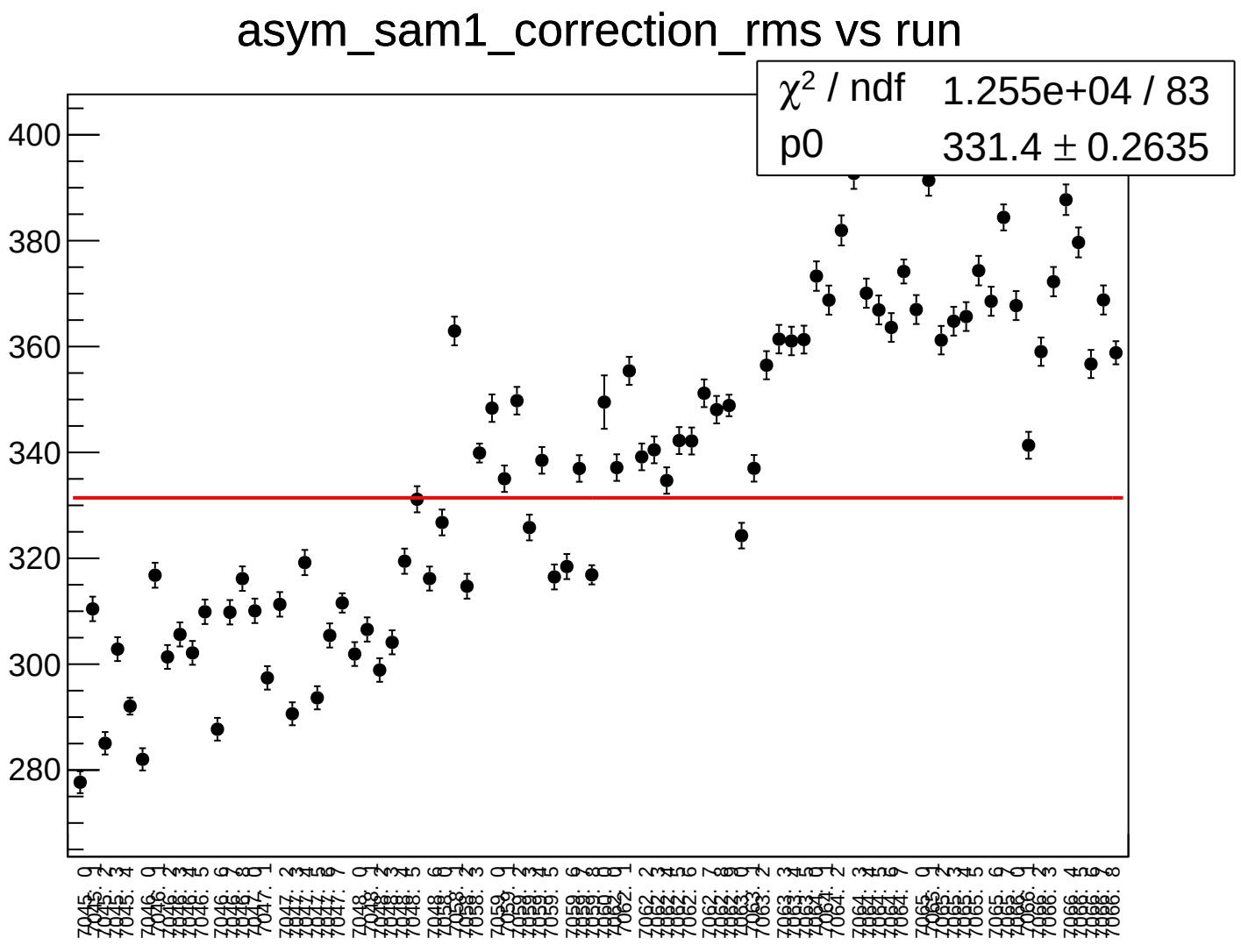

dit_asym_sam1_mean vs run
χ² / ndf 69.4 / 83
p0 −258.5 ± 91.15
pull
Entries 84
Mean 110.1
Std Dev 88.58

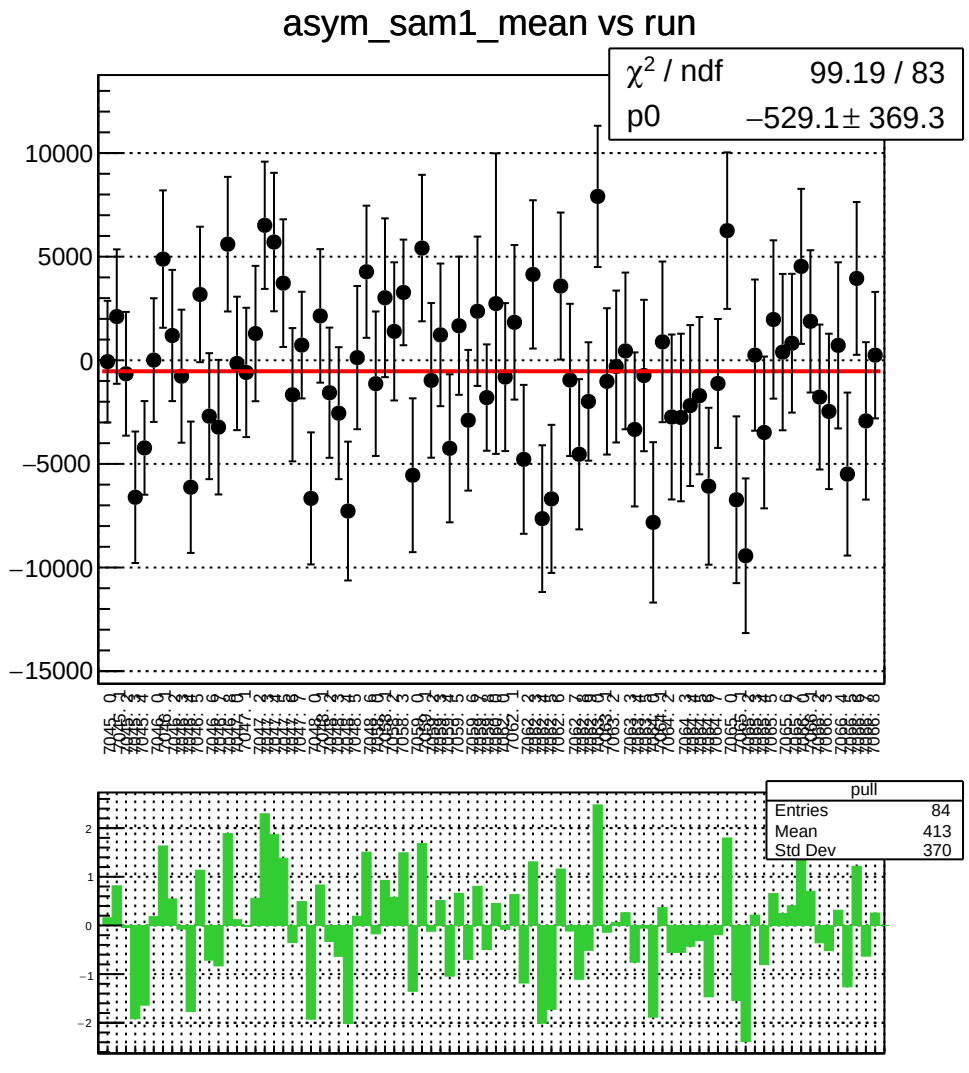

pull1D
Entries 84
Mean 0.01138
Std Dev 0.9089

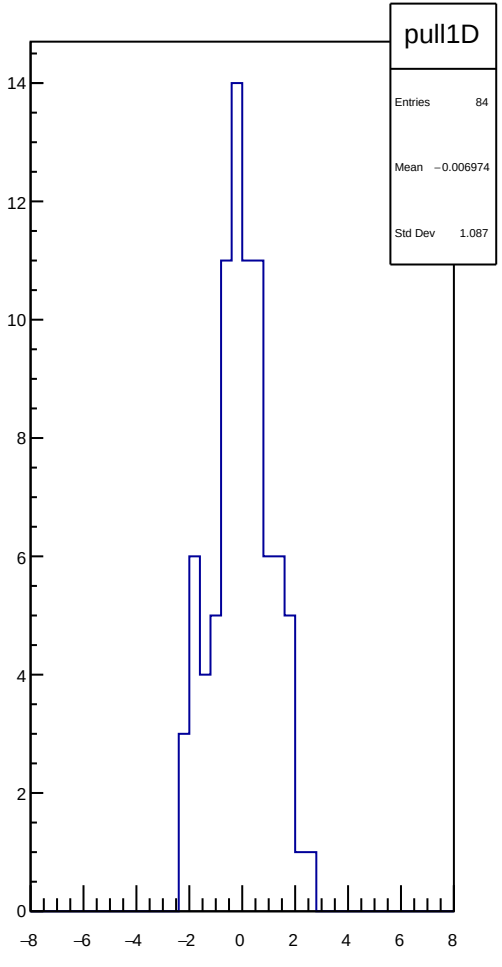

dit_asym_sam1_rms vs run
χ² / ndf 1851 / 83
p0 81.35 ± 0.06446
92
90
88
86
84
82
80
78
76

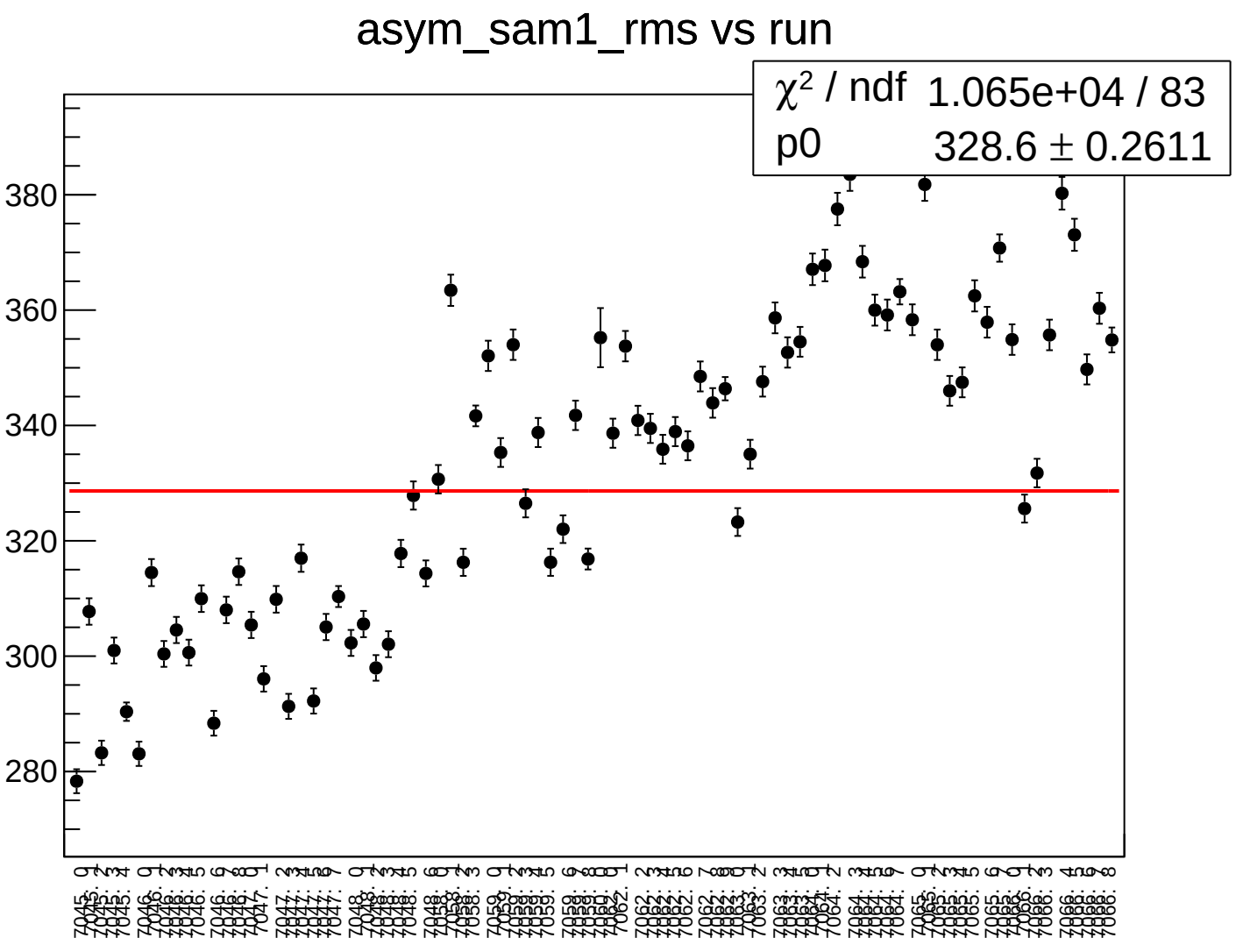

asym_sam1_correction_mean vs run
χ² / ndf 91.26 / 83
p0 257.3 ± 372.6
15000
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 281.4
Std Dev 239.6
2
1
0
−1
−2

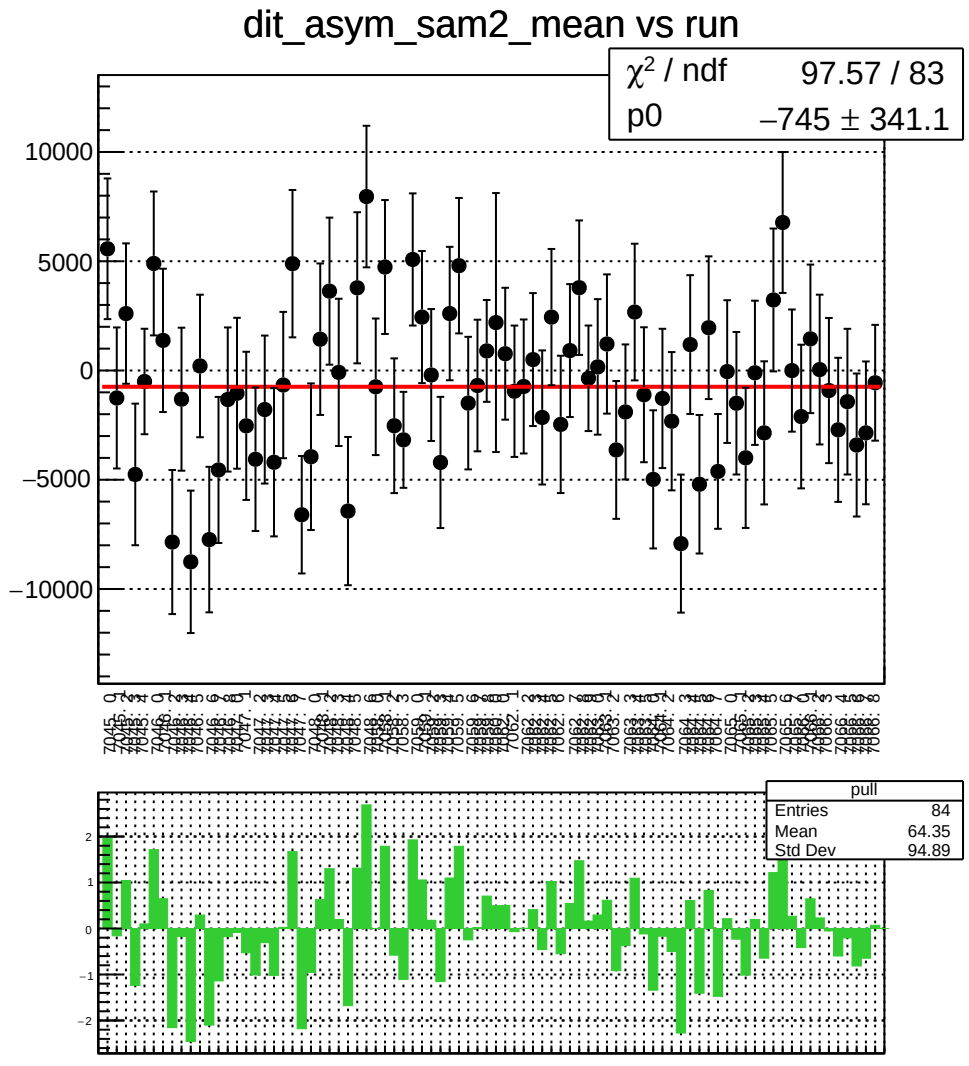

pull1D
Entries 84
Mean 0.0116
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

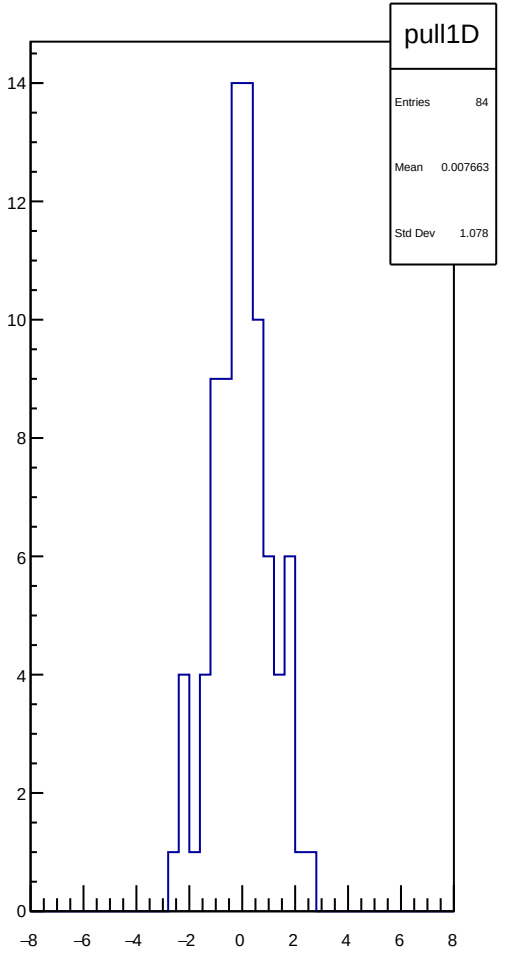

asym_sam1_correction_rms vs run
χ² / ndf 1.255e+04 / 83
p0 331.4 ± 0.2635
400
380
360
340
320
300
280

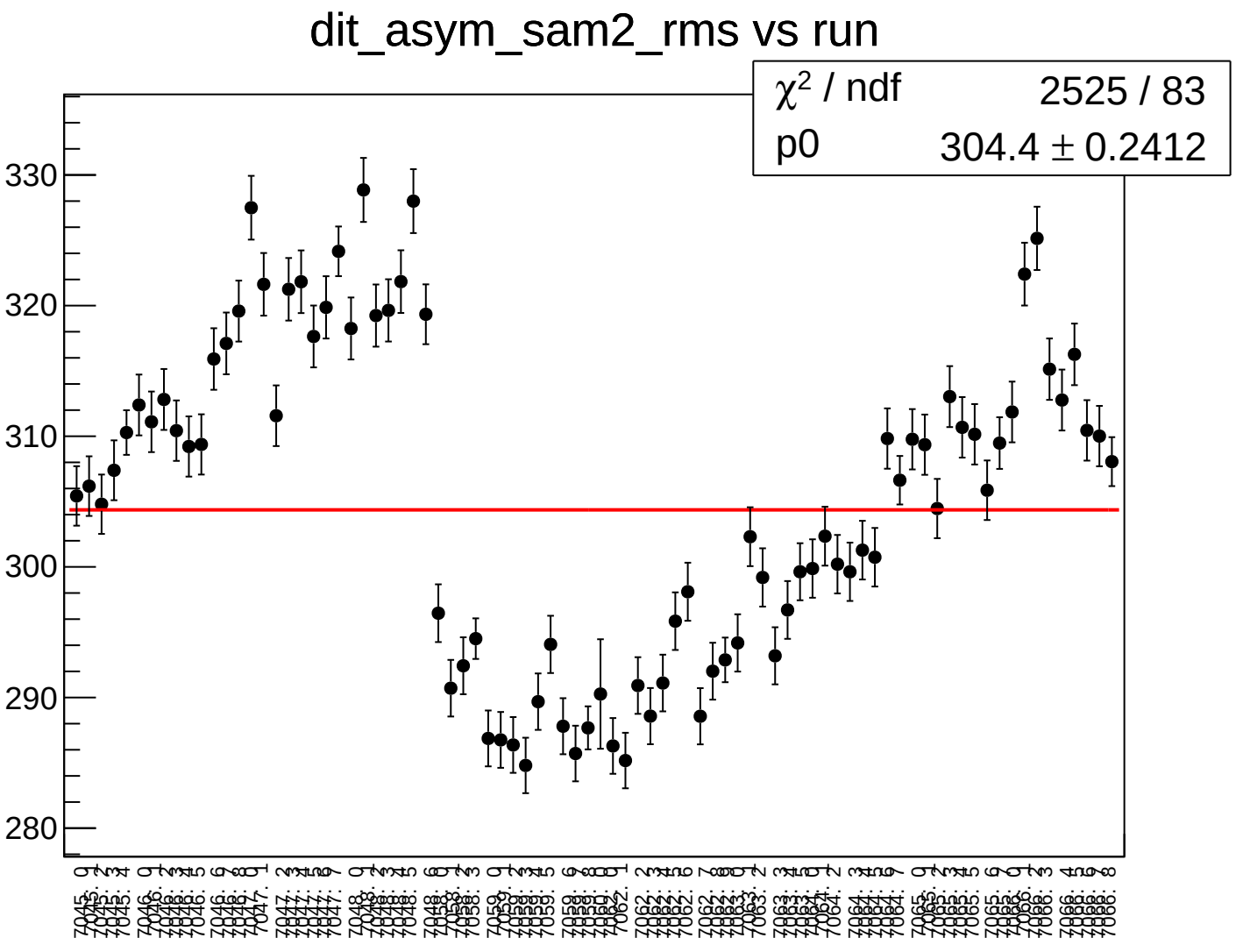

asym_sam1_mean vs run
χ² / ndf 99.19 / 83
p0 −529.1± 369.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 413
Std Dev 370
2
1
0
−1
−2

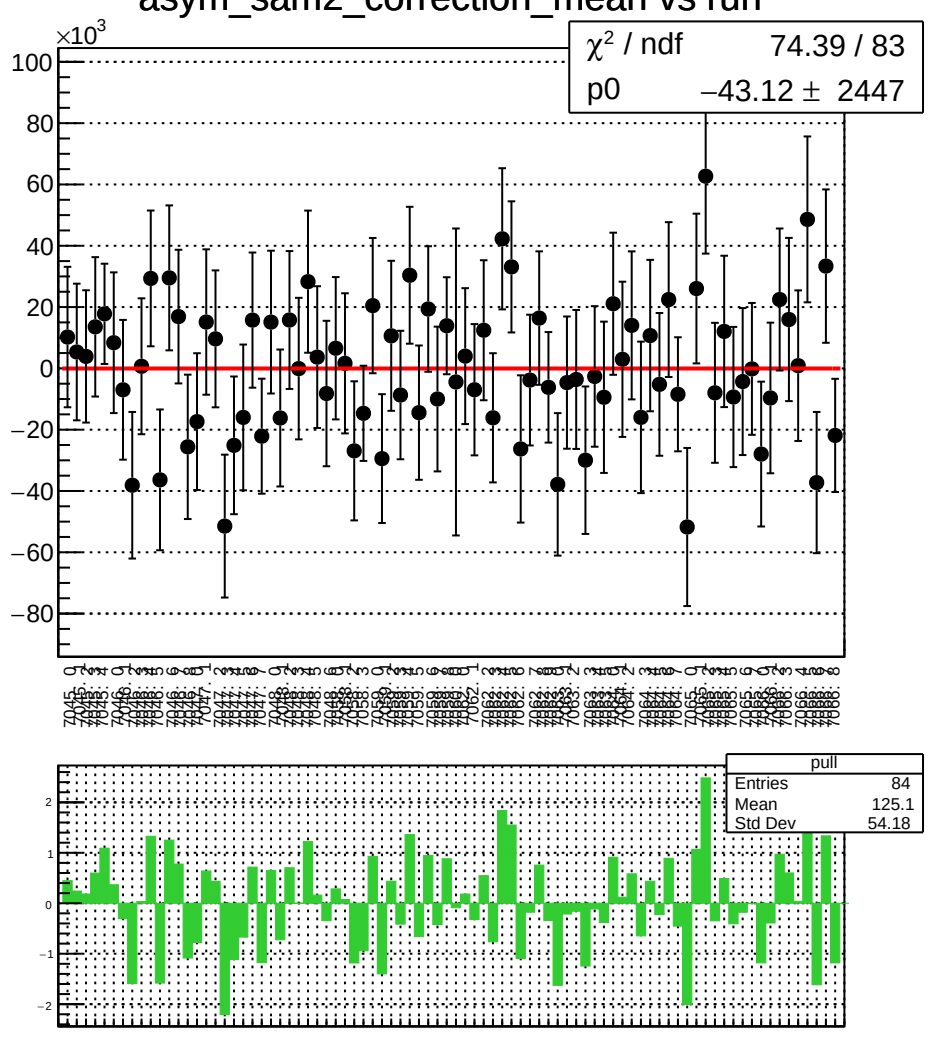

pull1D
Entries 84
Mean −0.006974
Std Dev 1.087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

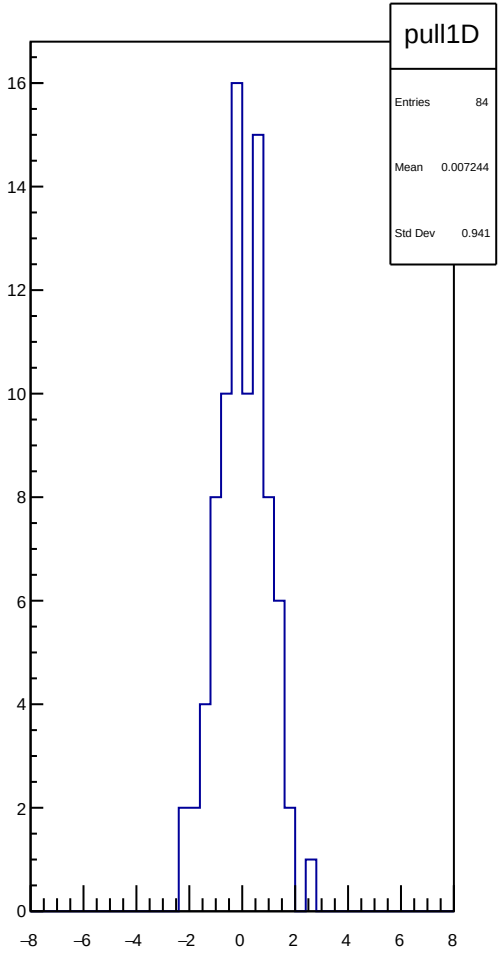

asym_sam1_rms vs run
χ² / ndf 1.065e+04 / 83
p0 328.6 ± 0.2611
380
360
340
320
300
280

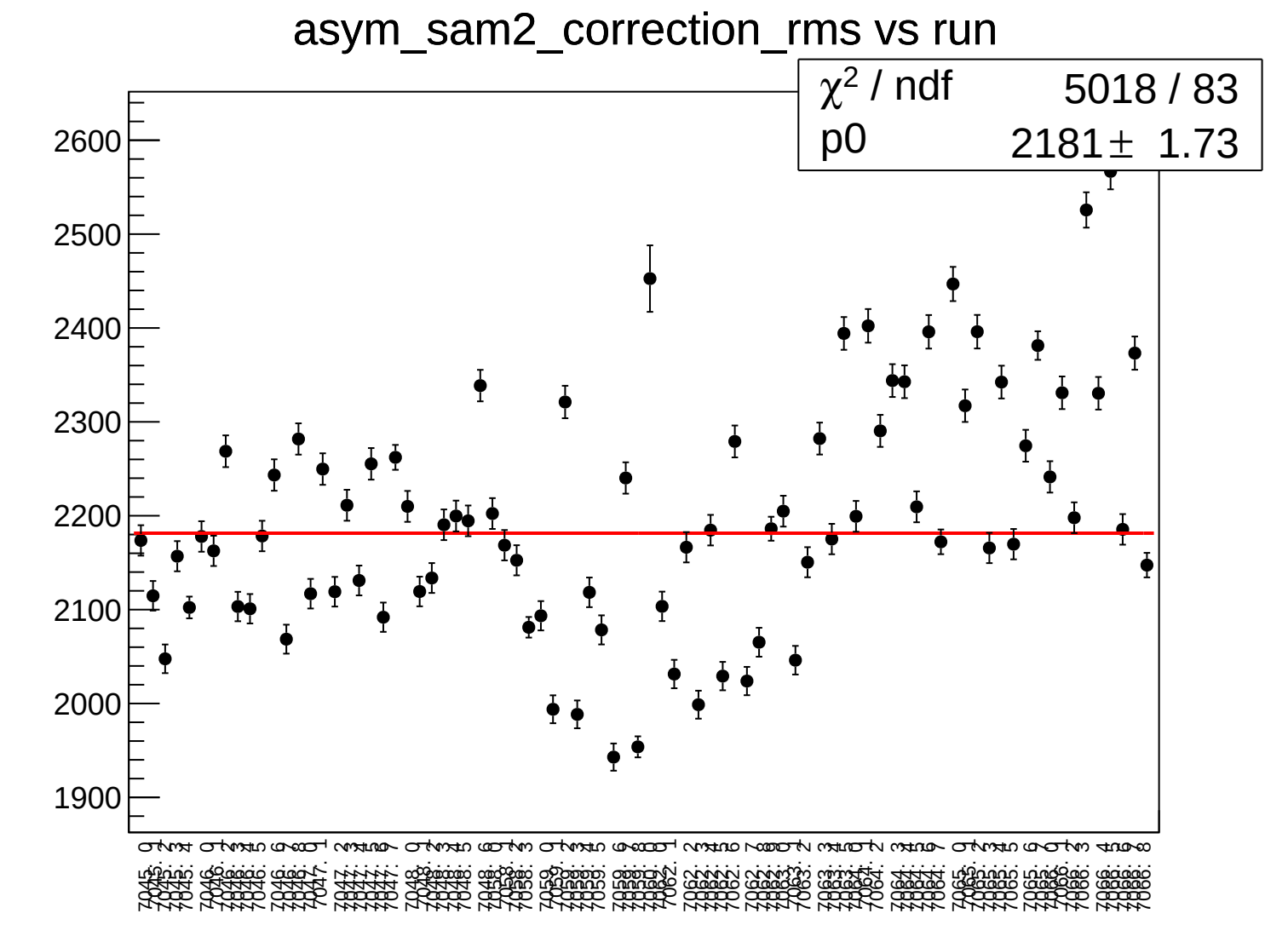

dit_asym_sam2_mean vs run
χ² / ndf 97.57 / 83
p0 −745 ± 341.1
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 64.35
Std Dev 94.89
2
1
0
−1
−2

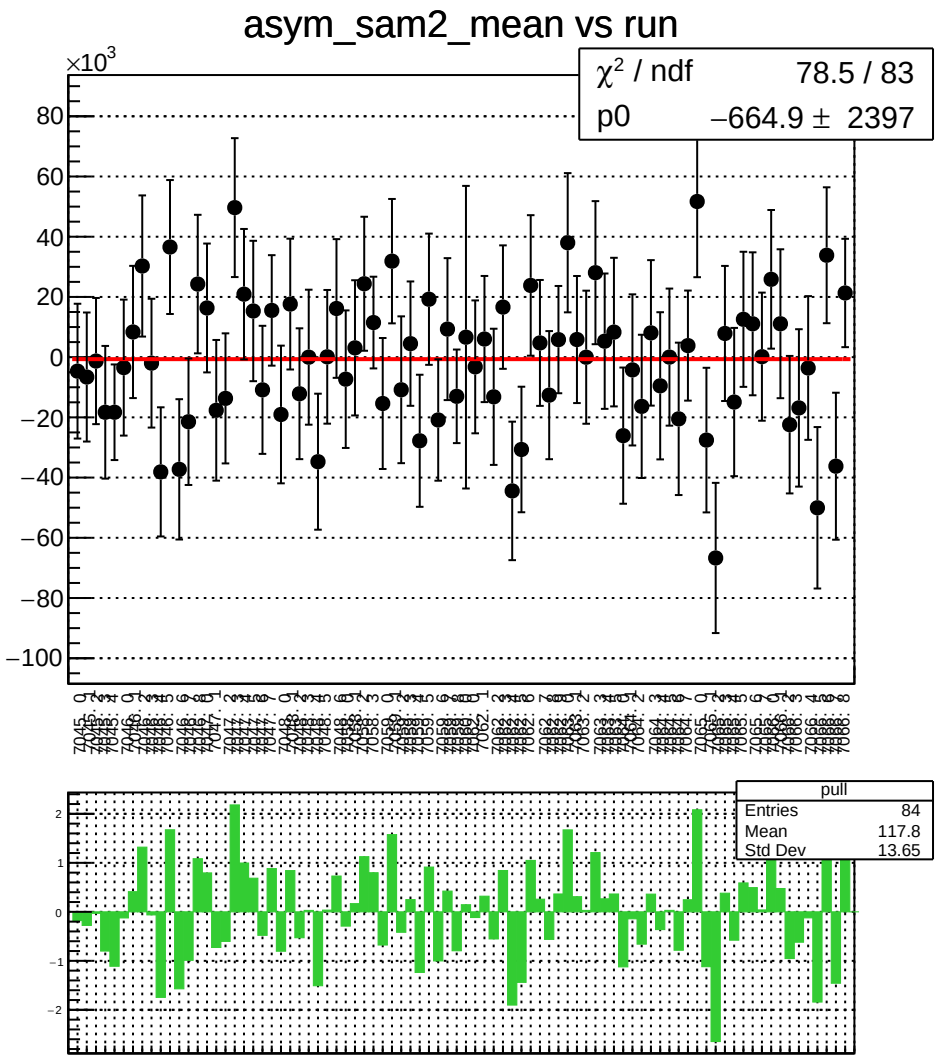

pull1D
Entries 84
Mean 0.007663
Std Dev 1.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

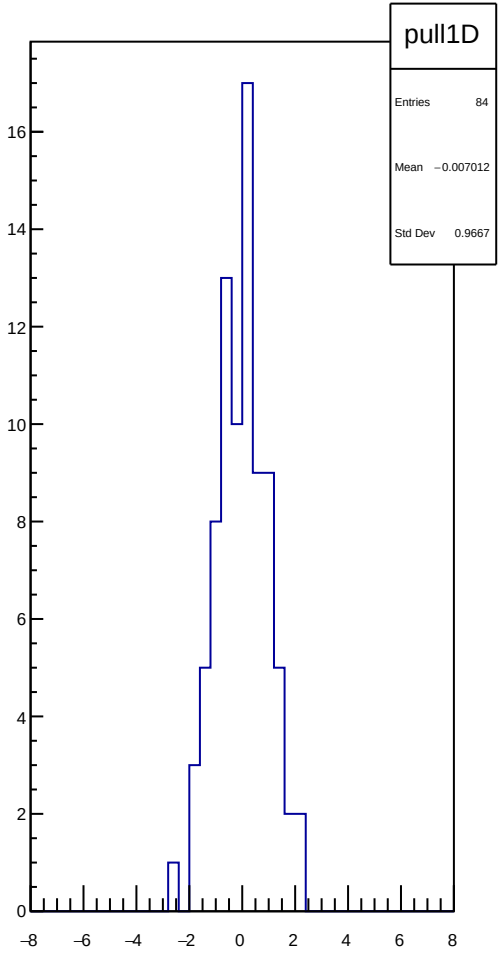

dit_asym_sam2_rms vs run
χ² / ndf 2525 / 83
p0 304.4 ± 0.2412
330
320
310
300
290
280

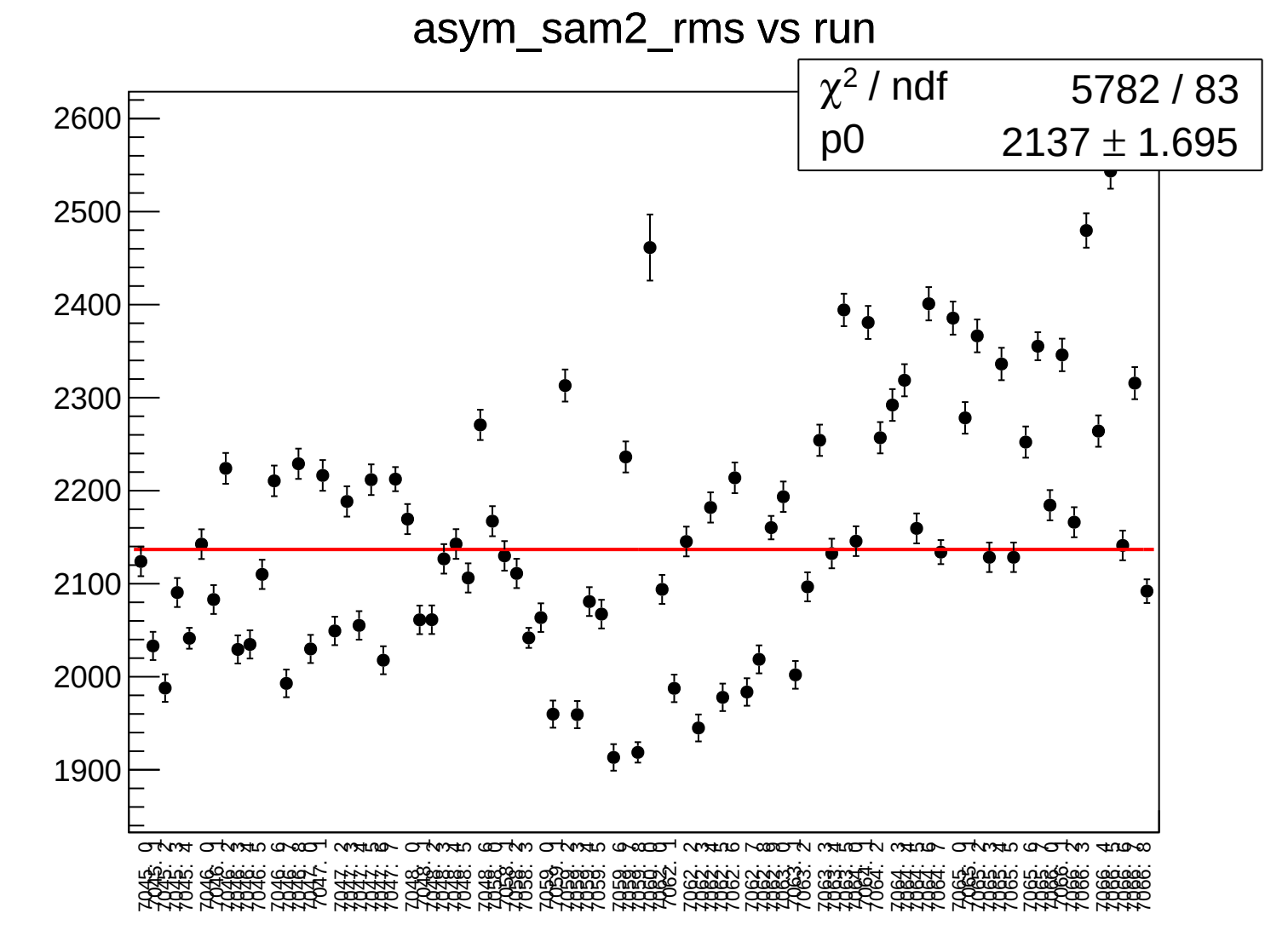

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 74.39 / 83
p0 −43.12 ± 2447
pull
Entries 84
Mean 125.1
Std Dev 54.18

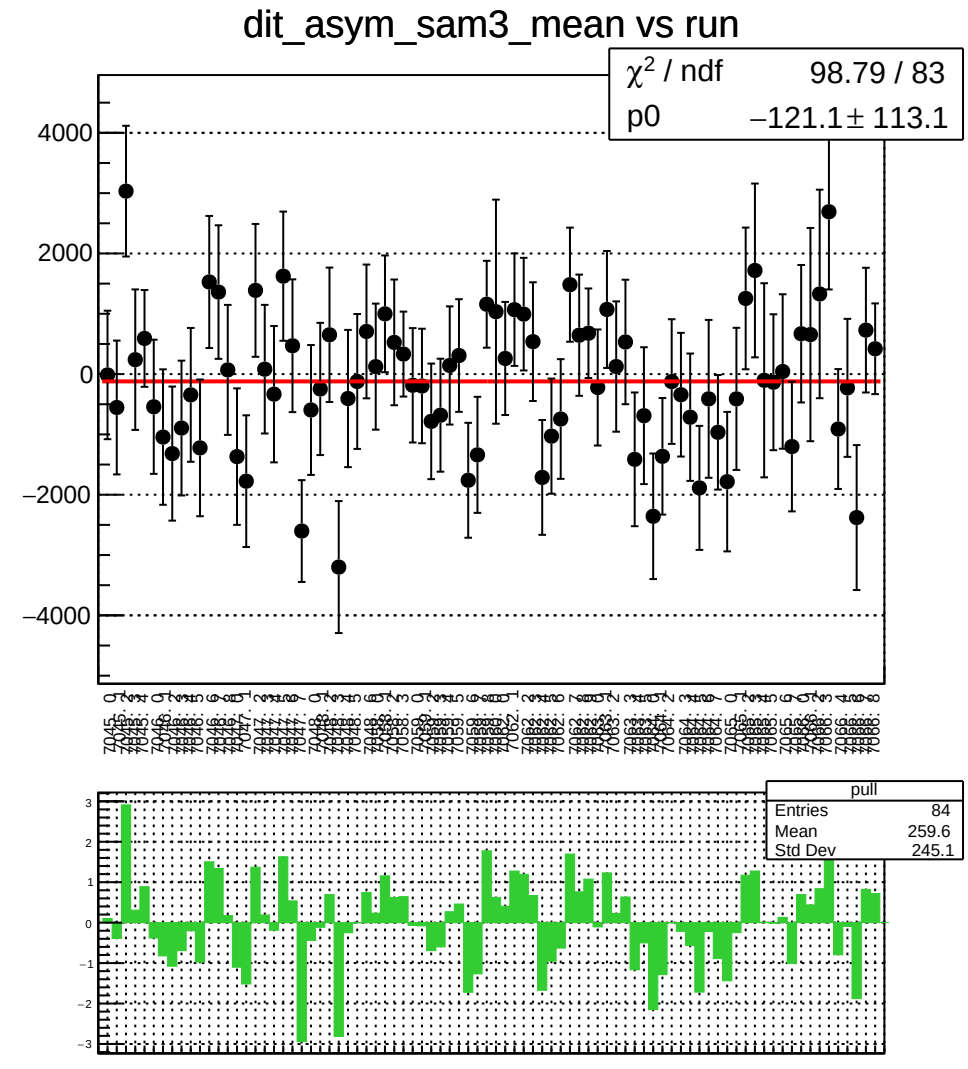

pull1D
Entries 84
Mean 0.007244
Std Dev 0.941

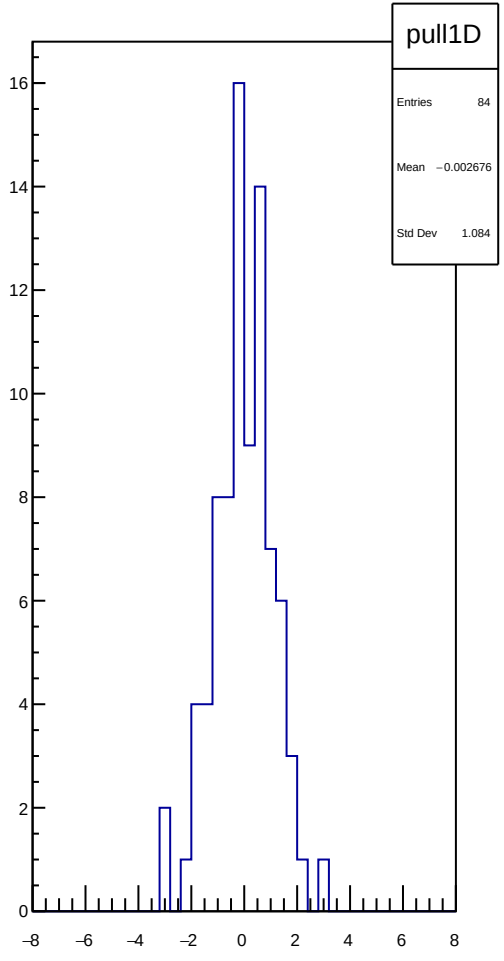

asym_sam2_correction_rms vs run
χ² / ndf 5018 / 83
p0 2181 ± 1.73
2600
2500
2400
2300
2200
2100
2000
1900

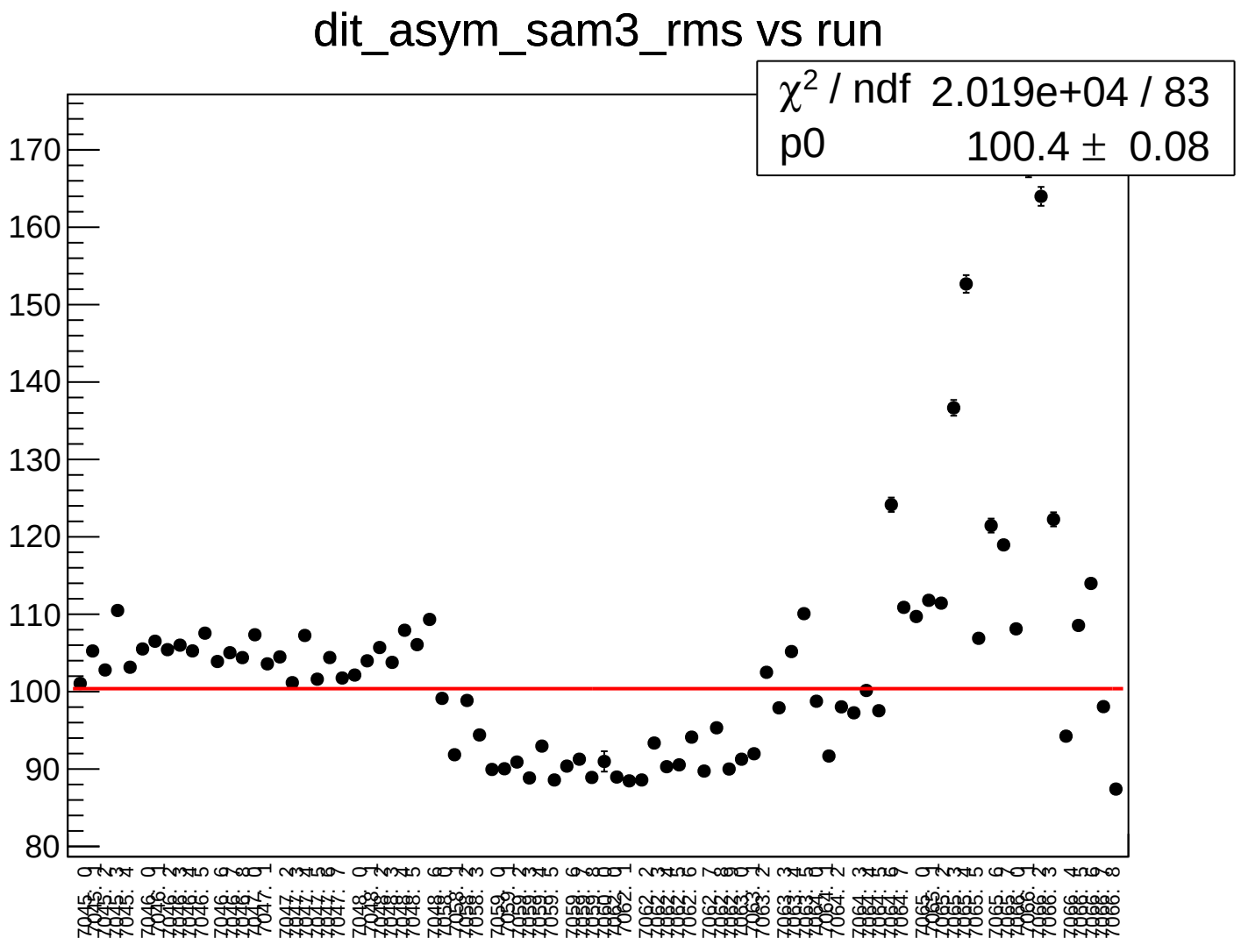

asym_sam2_mean vs run
×10^3
χ² / ndf 78.5 / 83
p0 −664.9 ± 2397
pull
Entries 84
Mean 117.8
Std Dev 13.65

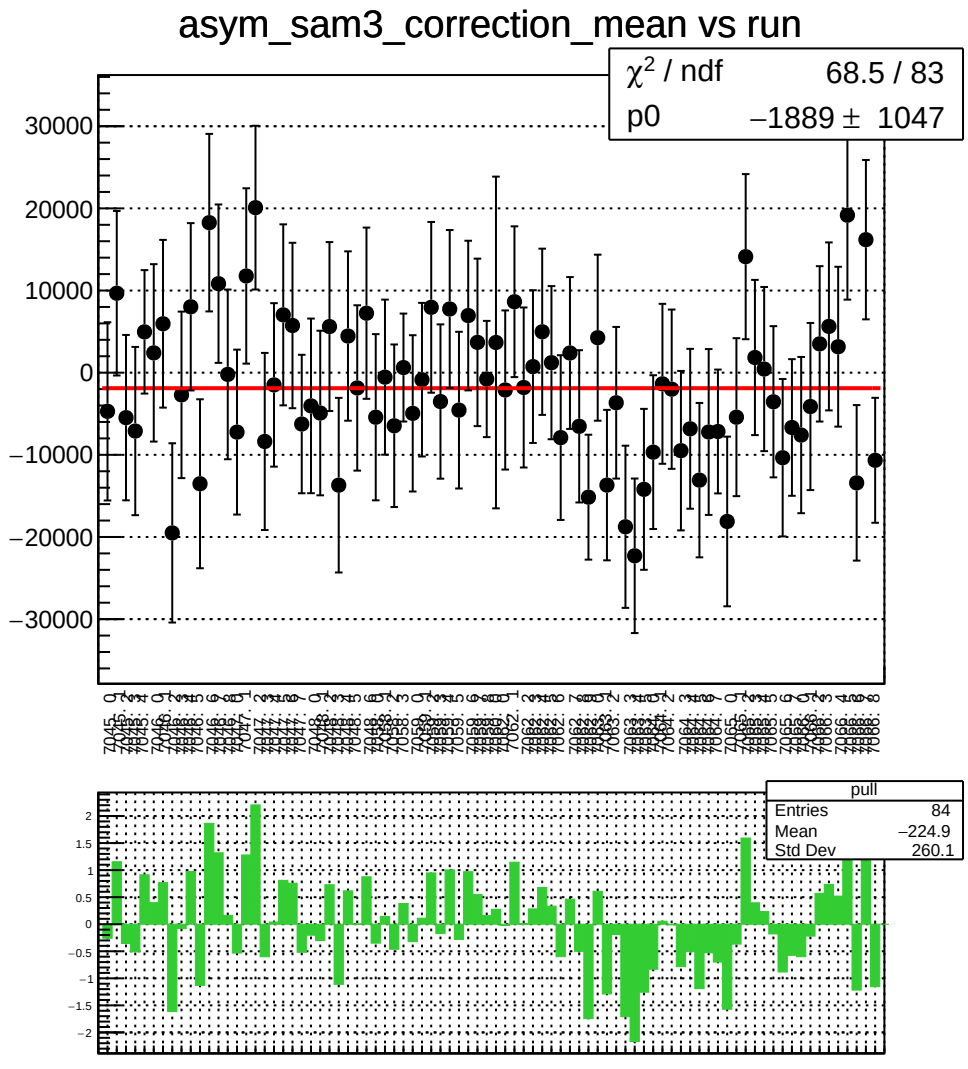

pull1D
Entries 84
Mean −0.007012
Std Dev 0.9667

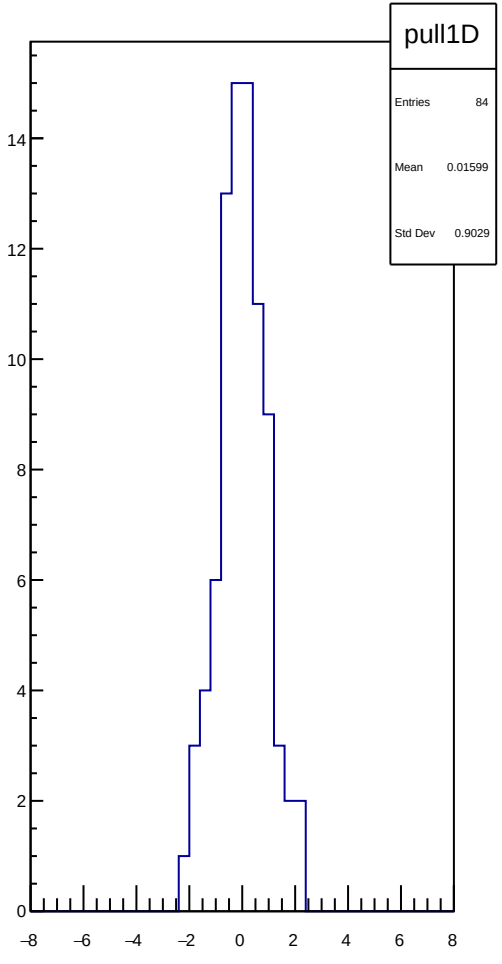

asym_sam2_rms vs run
χ² / ndf 5782 / 83
p0 2137 ± 1.695
2600
2500
2400
2300
2200
2100
2000
1900

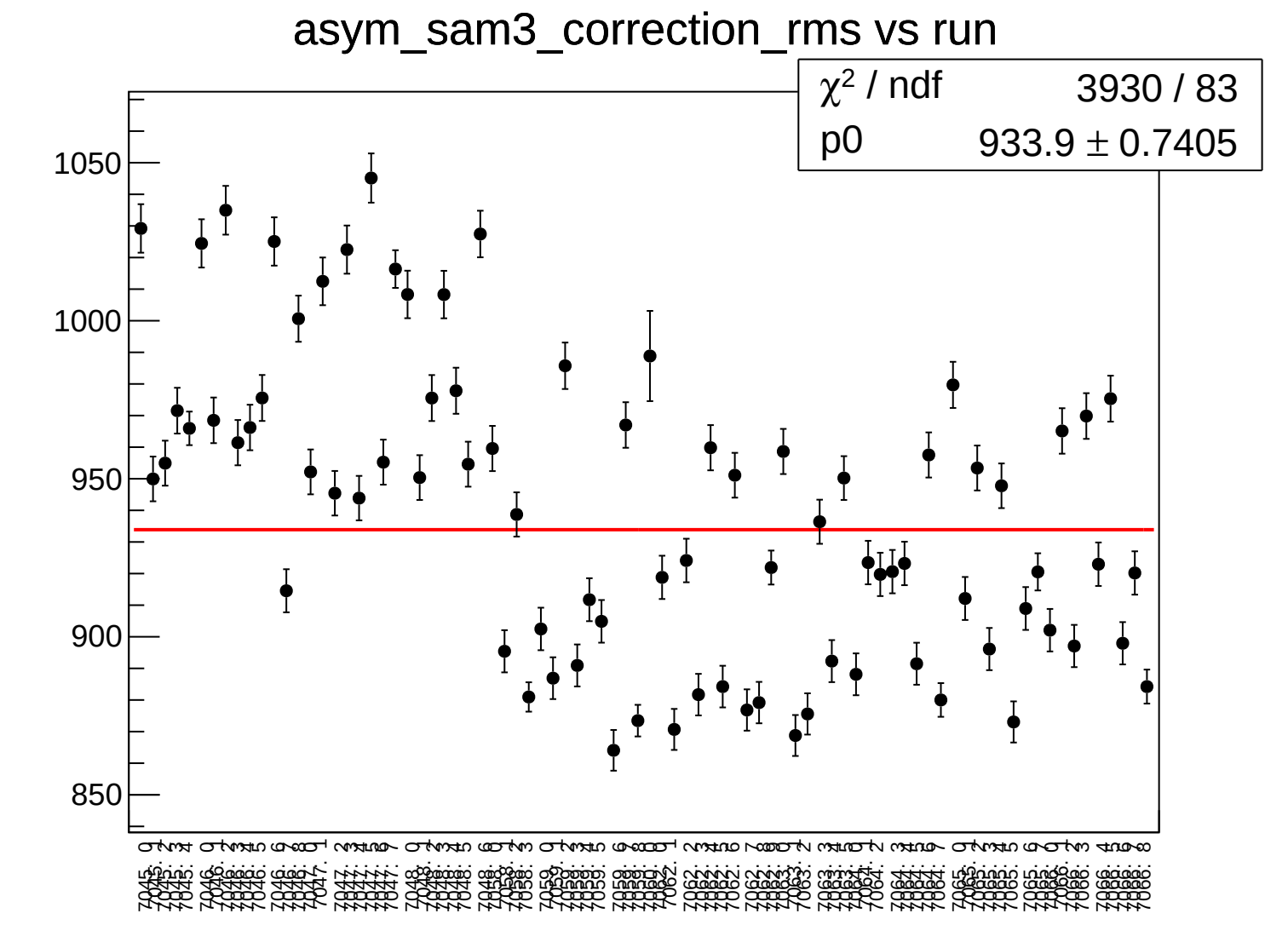

dit_asym_sam3_mean vs run
χ² / ndf 98.79 / 83
p0 −121.1 ± 113.1
4000
2000
0
−2000
−4000
pull
Entries 84
Mean 259.6
Std Dev 245.1
3
2
1
0
−1
−2
−3

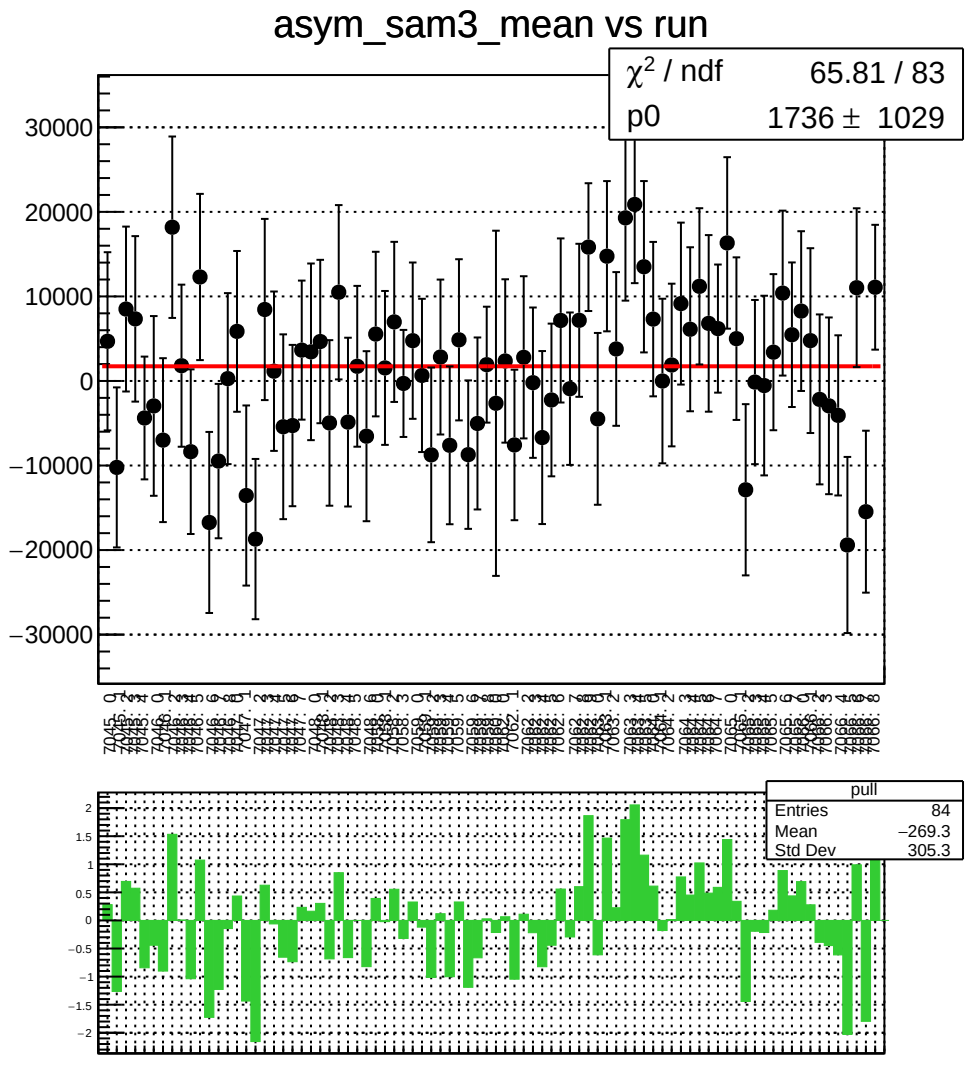

pull1D
Entries 84
Mean −0.002676
Std Dev 1.084
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

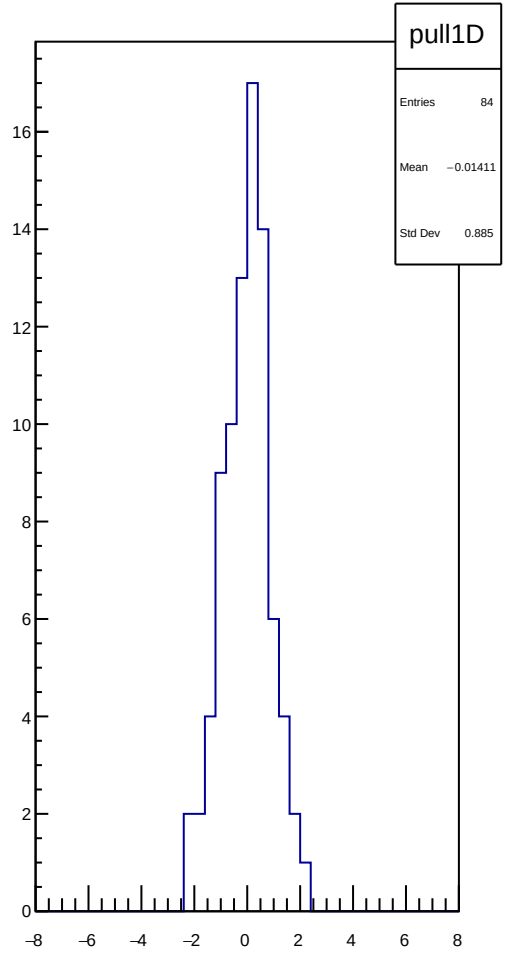

dit_asym_sam3_rms vs run
χ² / ndf 2.019e+04 / 83
p0 100.4 ± 0.08
170
160
150
140
130
120
110
100
90
80

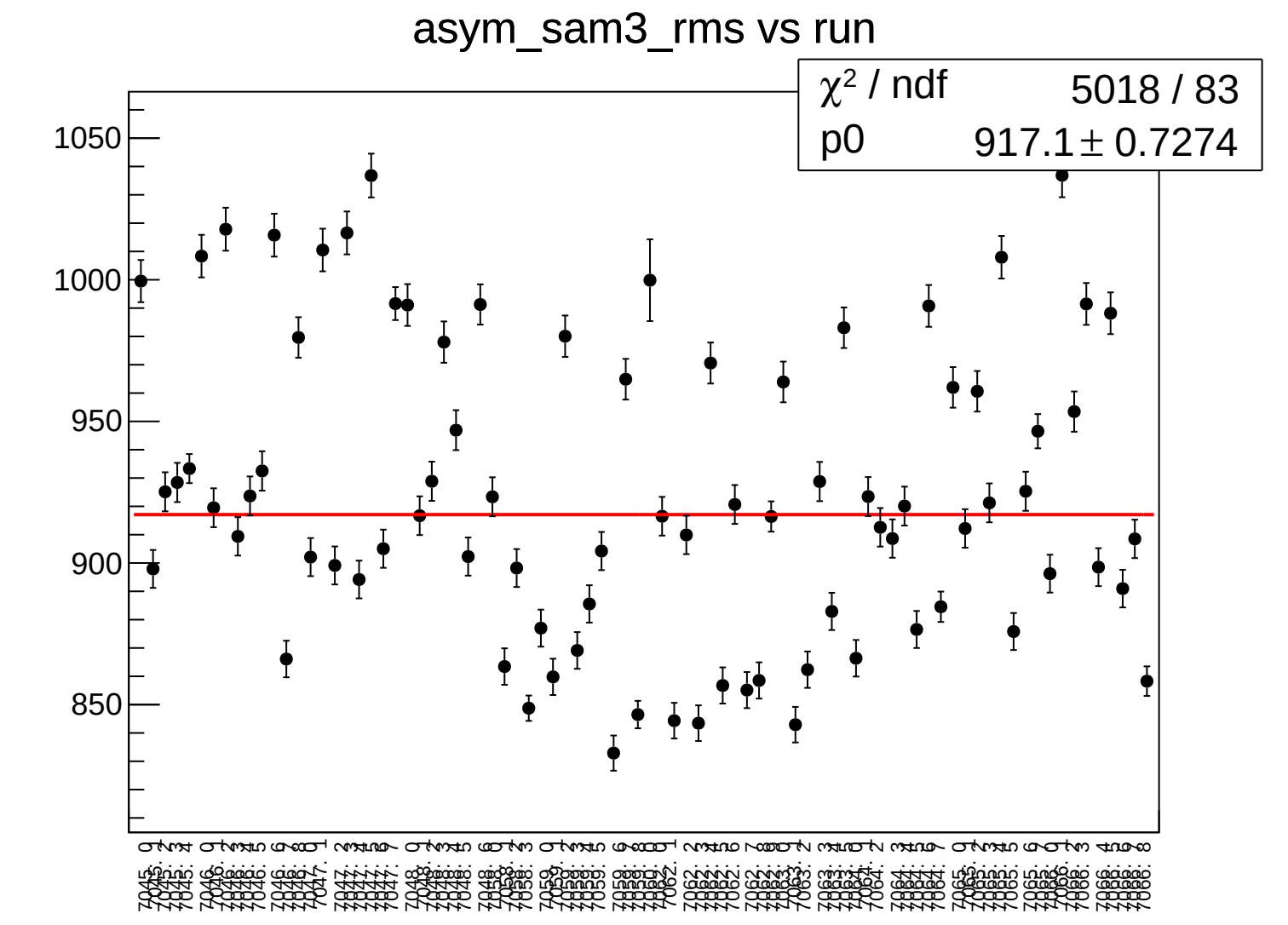

asym_sam3_correction_mean vs run
χ² / ndf 68.5 / 83
p0 −1889 ± 1047
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −224.9
Std Dev 260.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

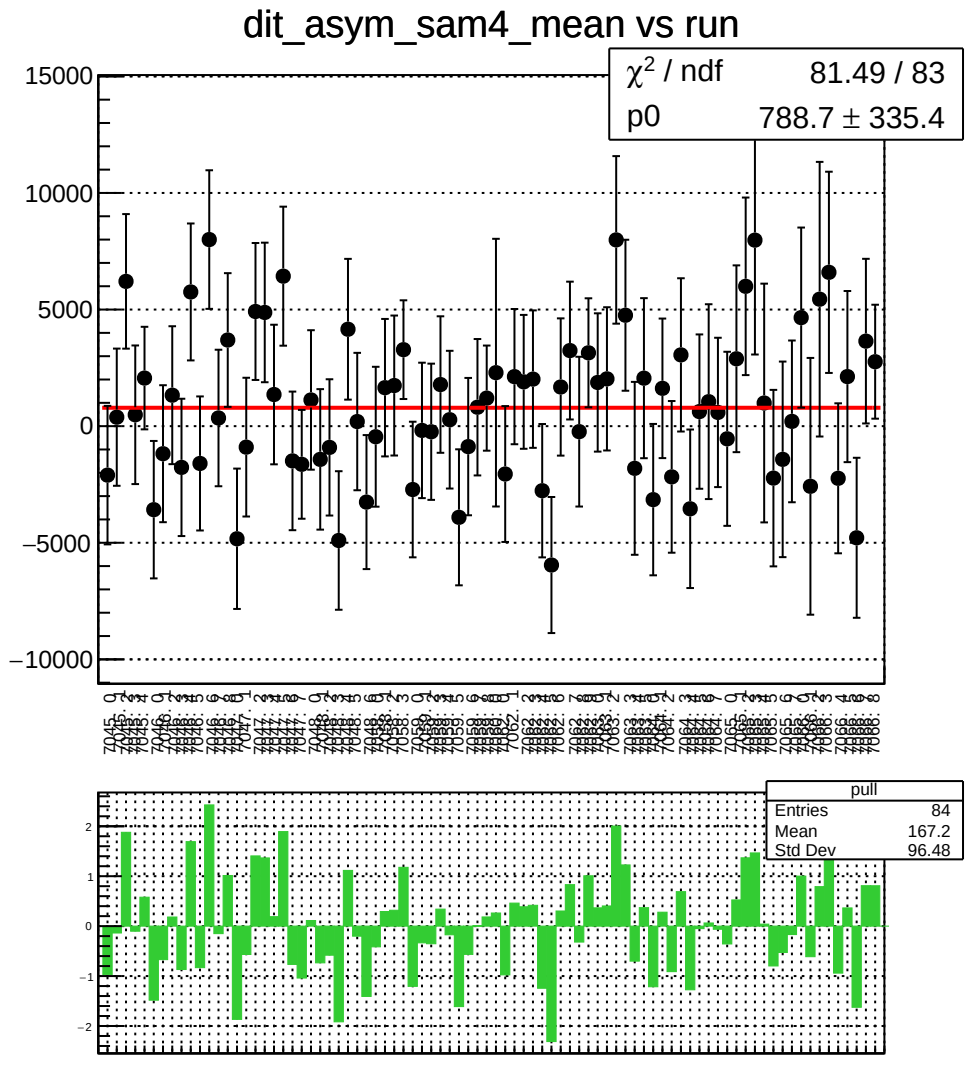

pull1D
Entries 84
Mean 0.01599
Std Dev 0.9029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

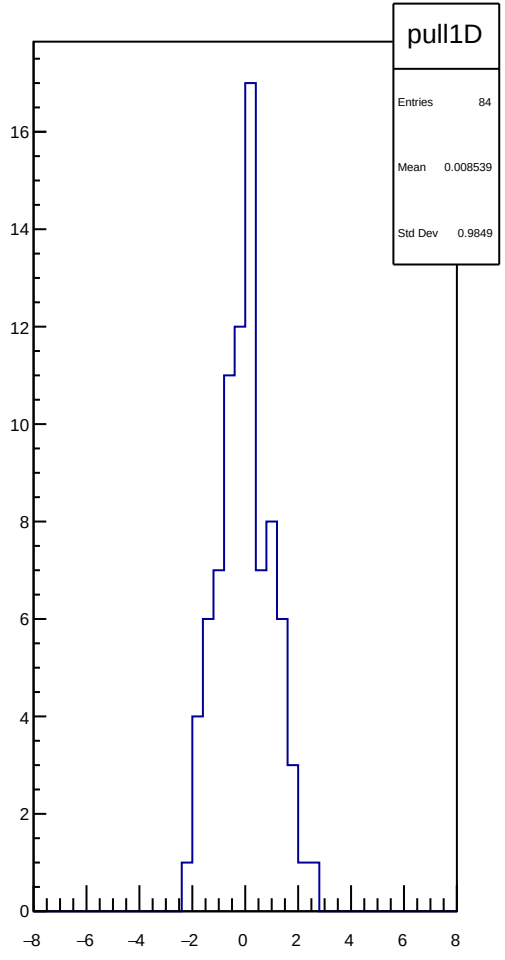

asym_sam3_correction_rms vs run
χ^2 / ndf 3930 / 83
p0 933.9 ± 0.7405
1050
1000
950
900
850

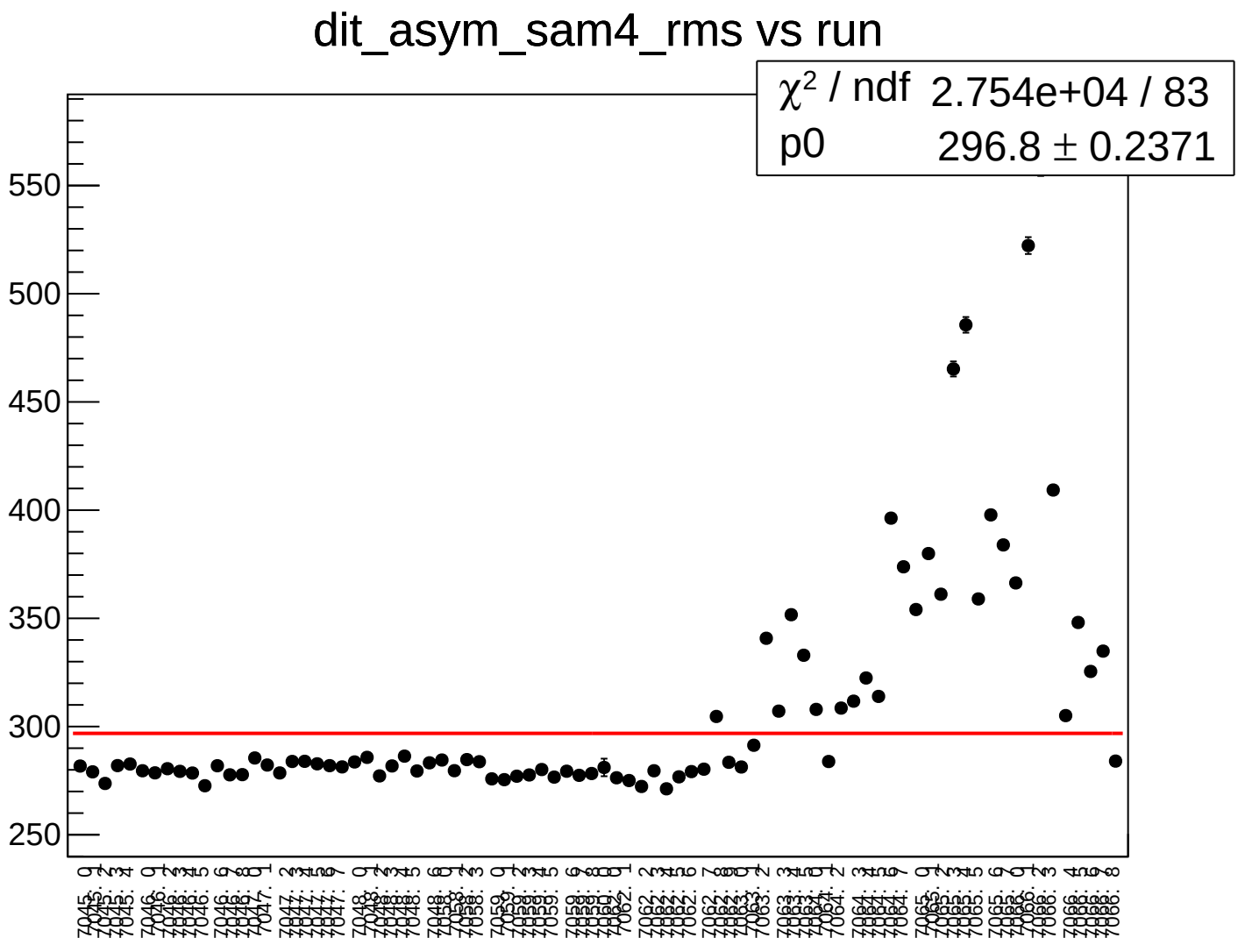

asym_sam3_mean vs run
χ² / ndf 65.81 / 83
p0 1736 ± 1029
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −269.3
Std Dev 305.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

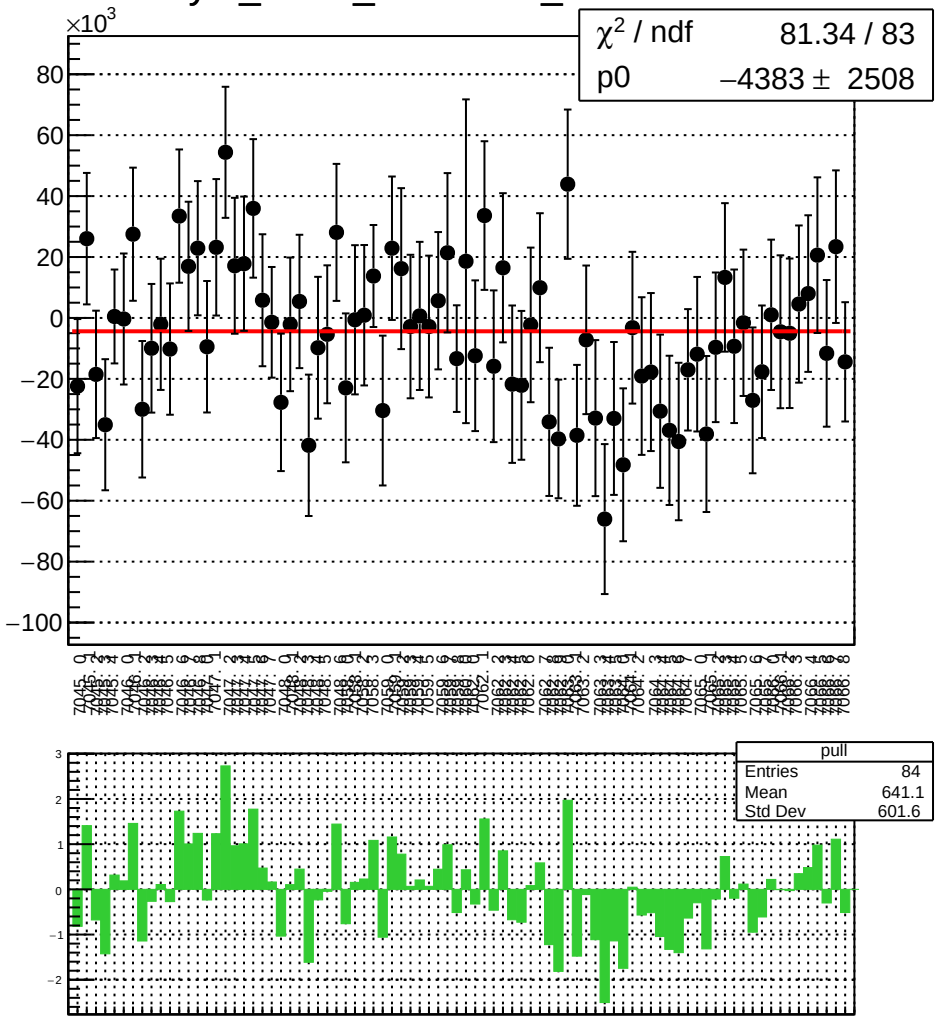

pull1D
Entries 84
Mean −0.01411
Std Dev 0.885
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

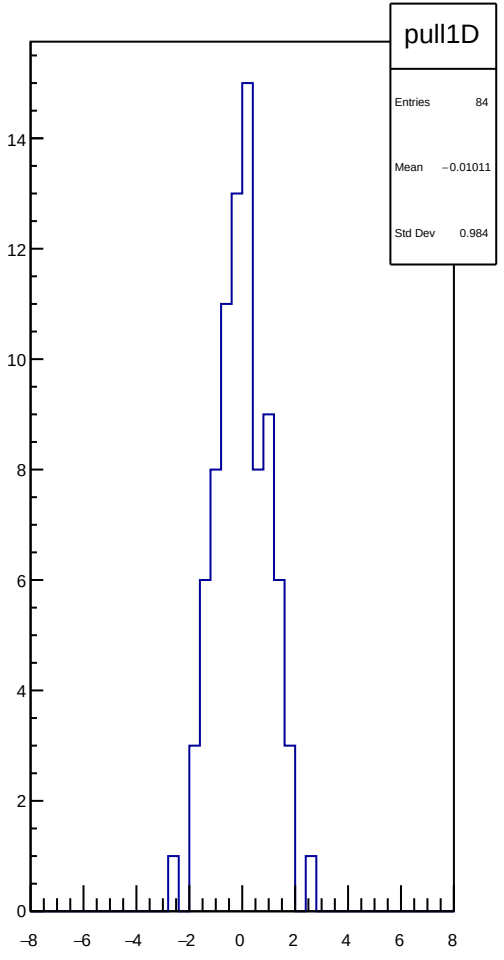

asym_sam3_rms vs run
χ² / ndf 5018 / 83
p0 917.1 ± 0.7274
1050
1000
950
900
850

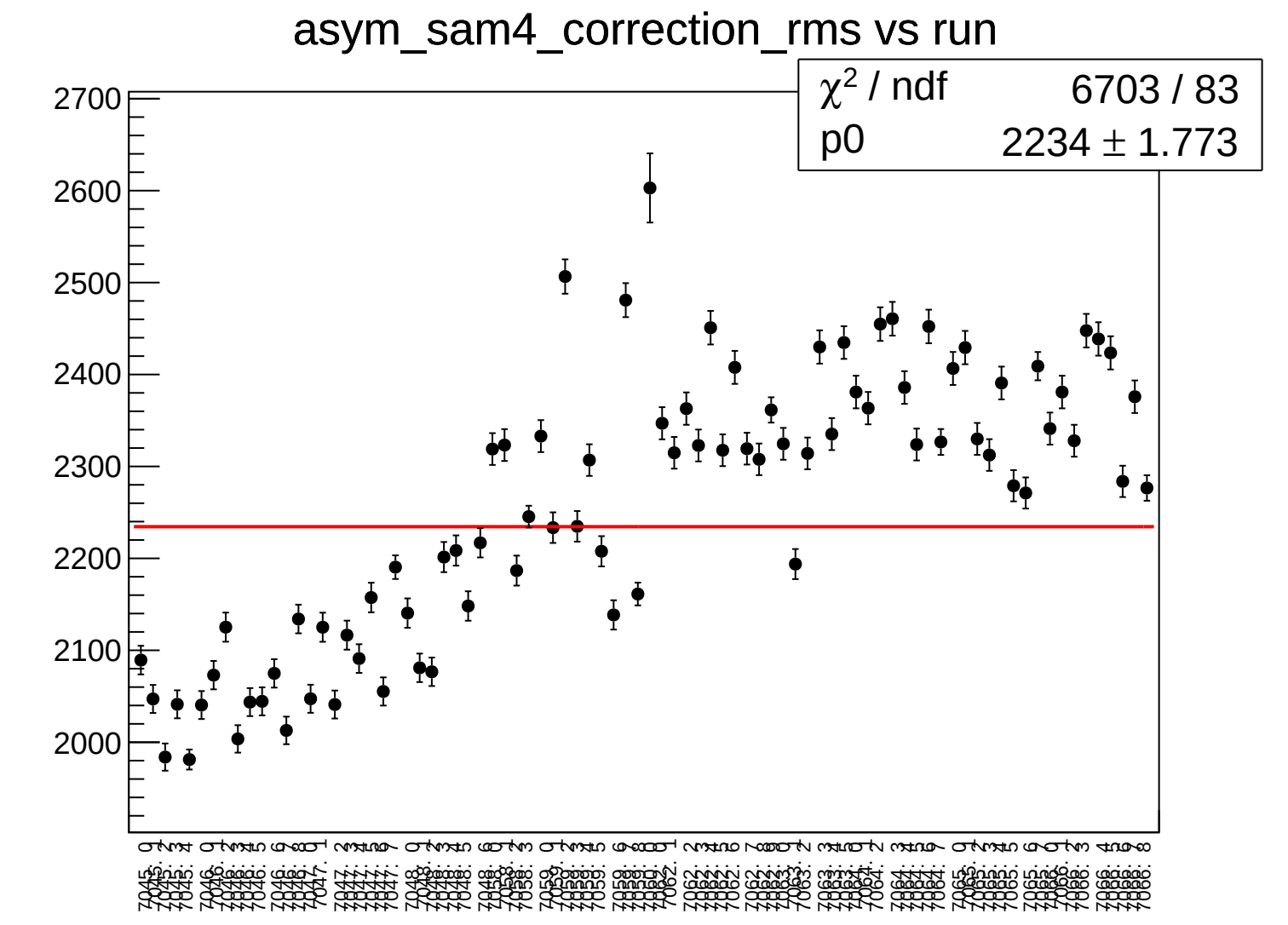

dit_asym_sam4_mean vs run
χ² / ndf 81.49 / 83
p0 788.7 ± 335.4
15000
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 167.2
Std Dev 96.48
2
1
0
−1
−2

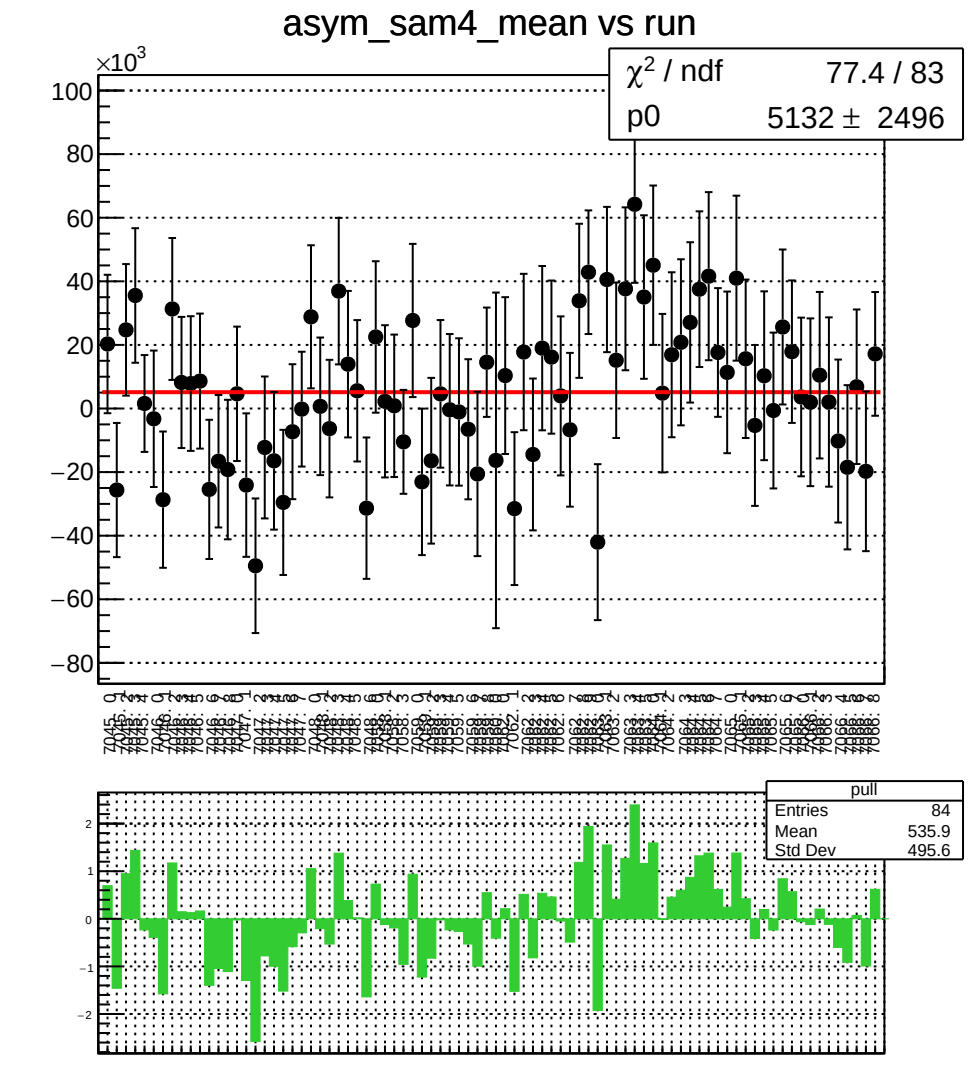

pull1D
Entries 84
Mean 0.008539
Std Dev 0.9849
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

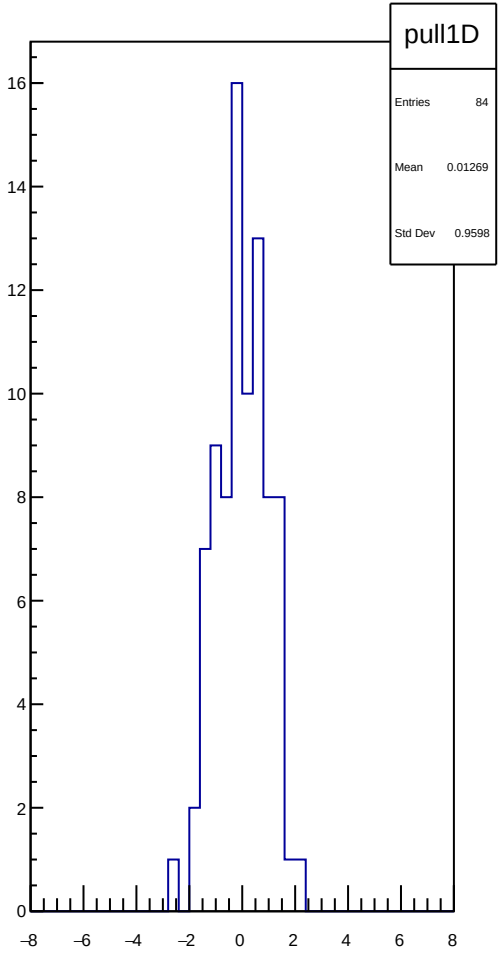

dit_asym_sam4_rms vs run
χ² / ndf 2.754e+04 / 83
p0 296.8 ± 0.2371
550
500
450
400
350
300
250

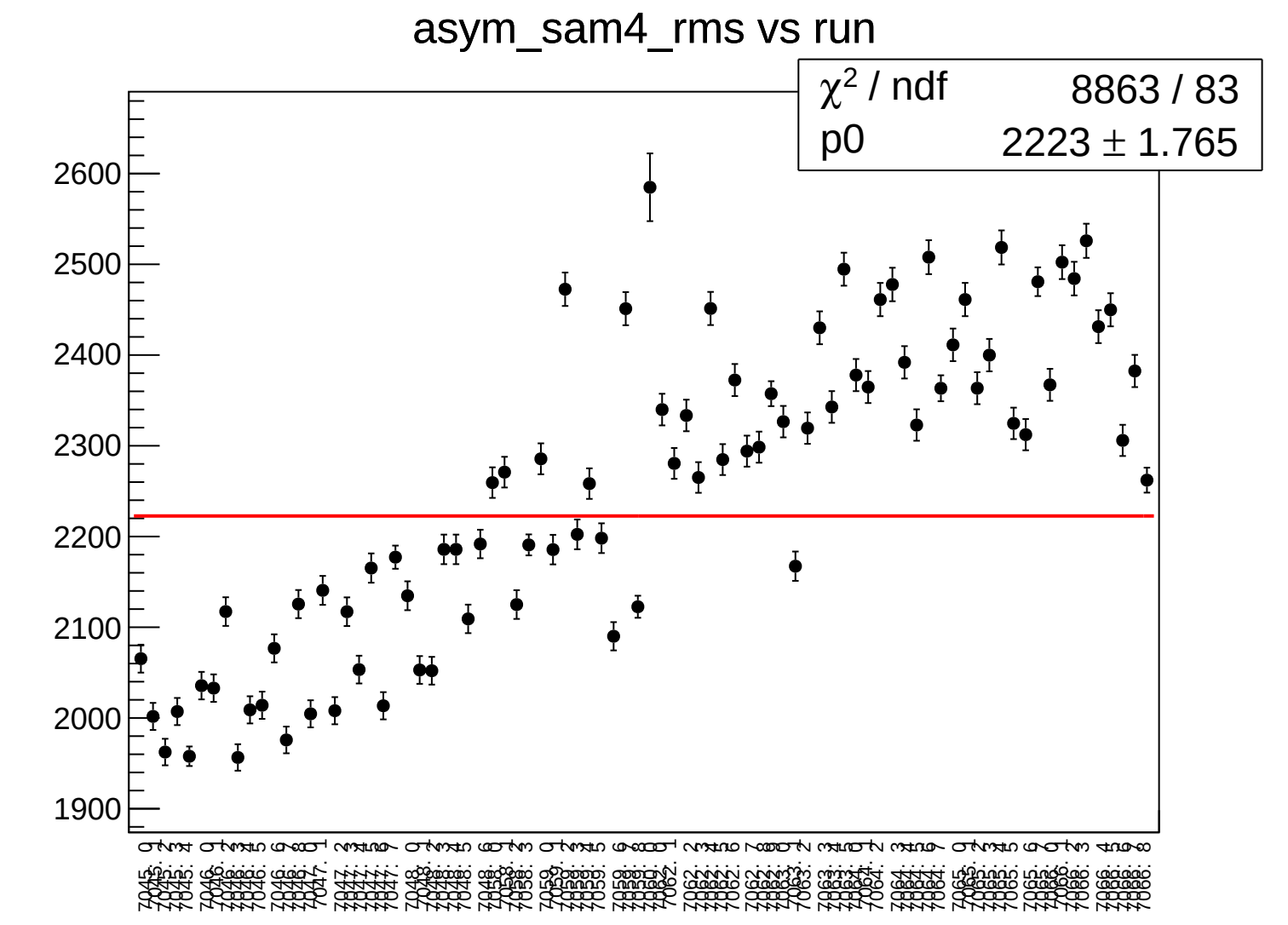

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 81.34 / 83
p0 −4383 ± 2508
pull
Entries 84
Mean 641.1
Std Dev 601.6

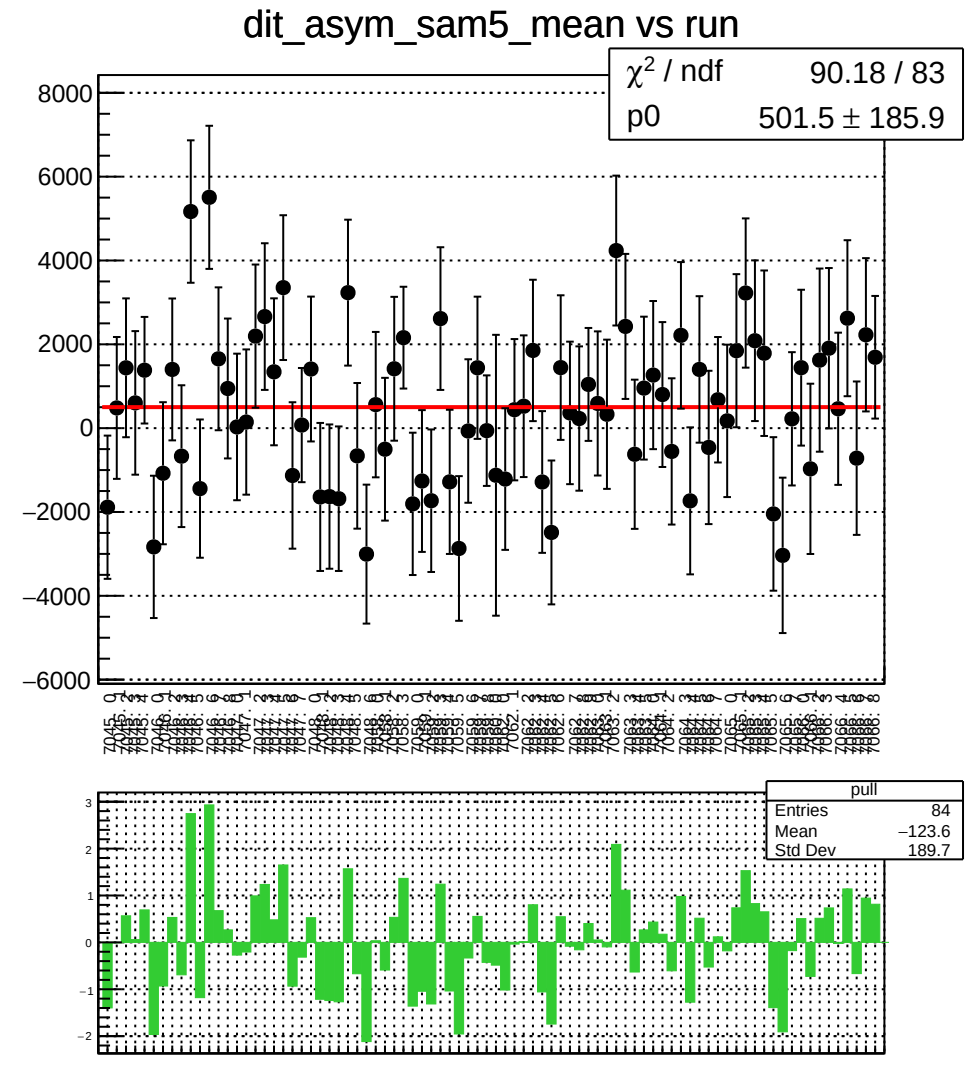

pull1D
Entries 84
Mean −0.01011
Std Dev 0.984

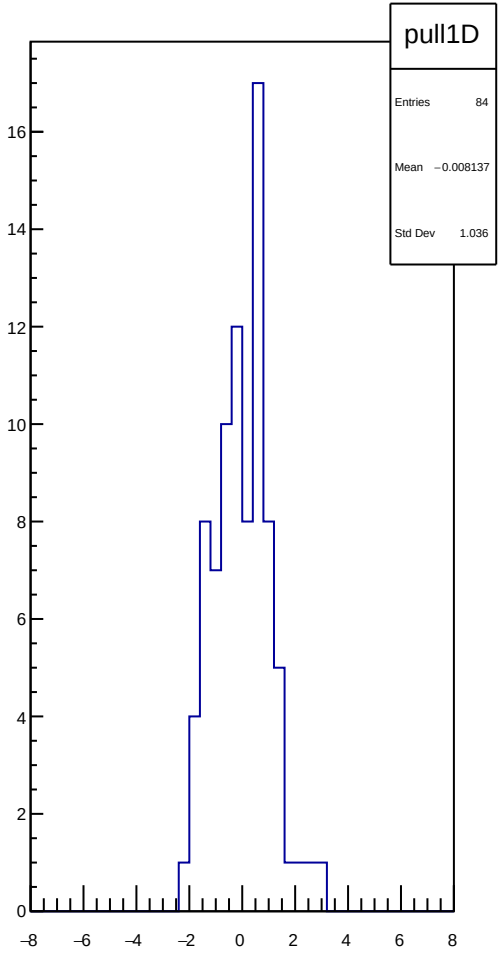

asym_sam4_correction_rms vs run
χ² / ndf 6703 / 83
p0 2234 ± 1.773
2700
2600
2500
2400
2300
2200
2100
2000

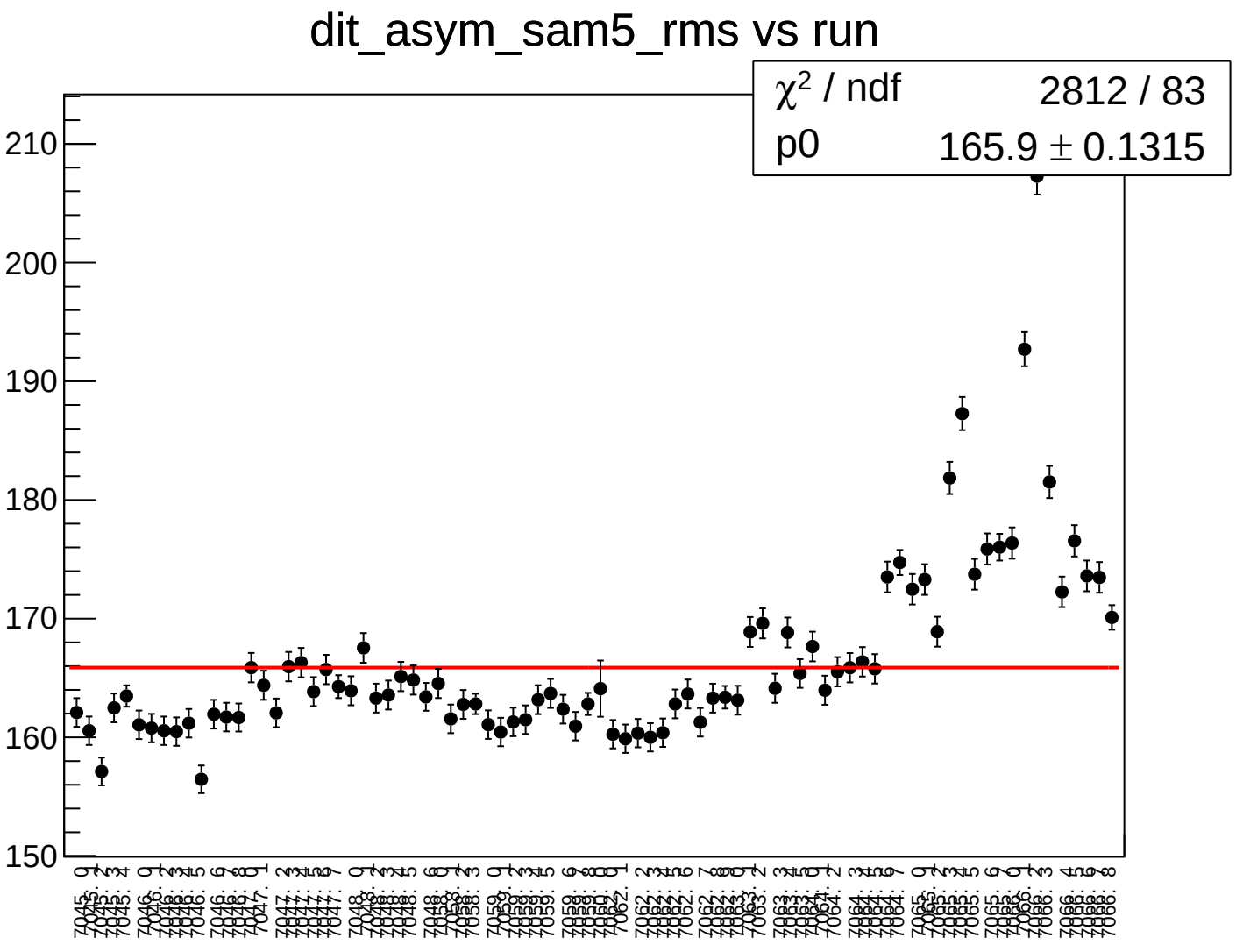

asym_sam4_mean vs run
×10^3
χ² / ndf 77.4 / 83
p0 5132 ± 2496
pull
Entries 84
Mean 535.9
Std Dev 495.6

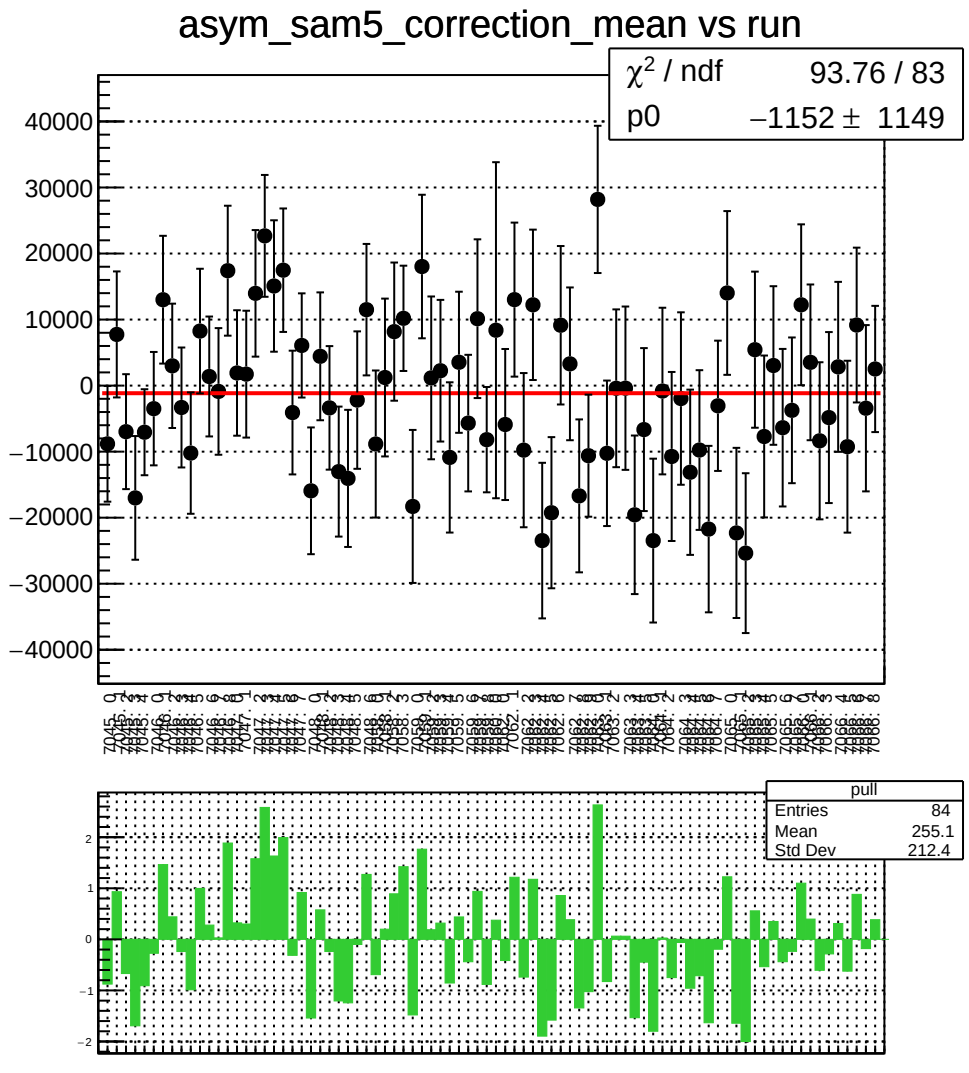

pull1D
Entries 84
Mean 0.01269
Std Dev 0.9598

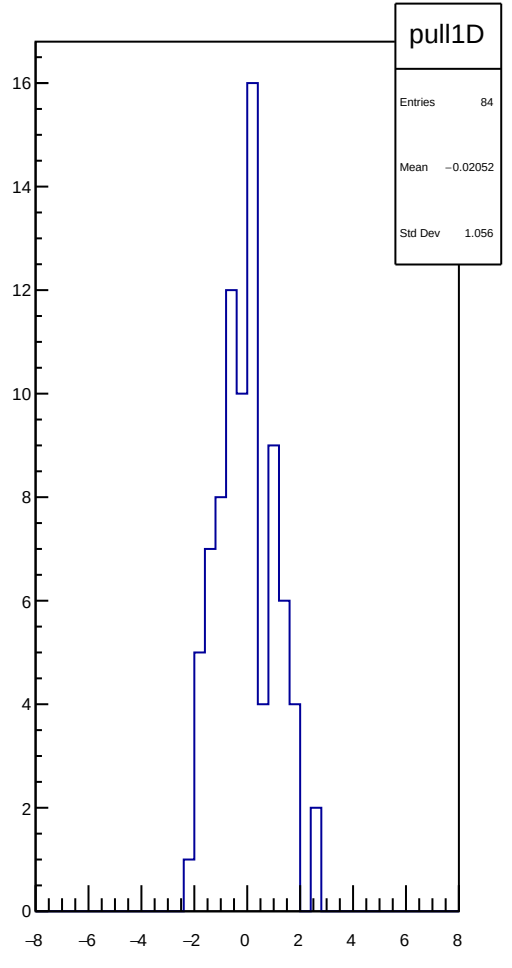

asym_sam4_rms vs run
χ² / ndf 8863 / 83
p0 2223 ± 1.765
2600
2500
2400
2300
2200
2100
2000
1900

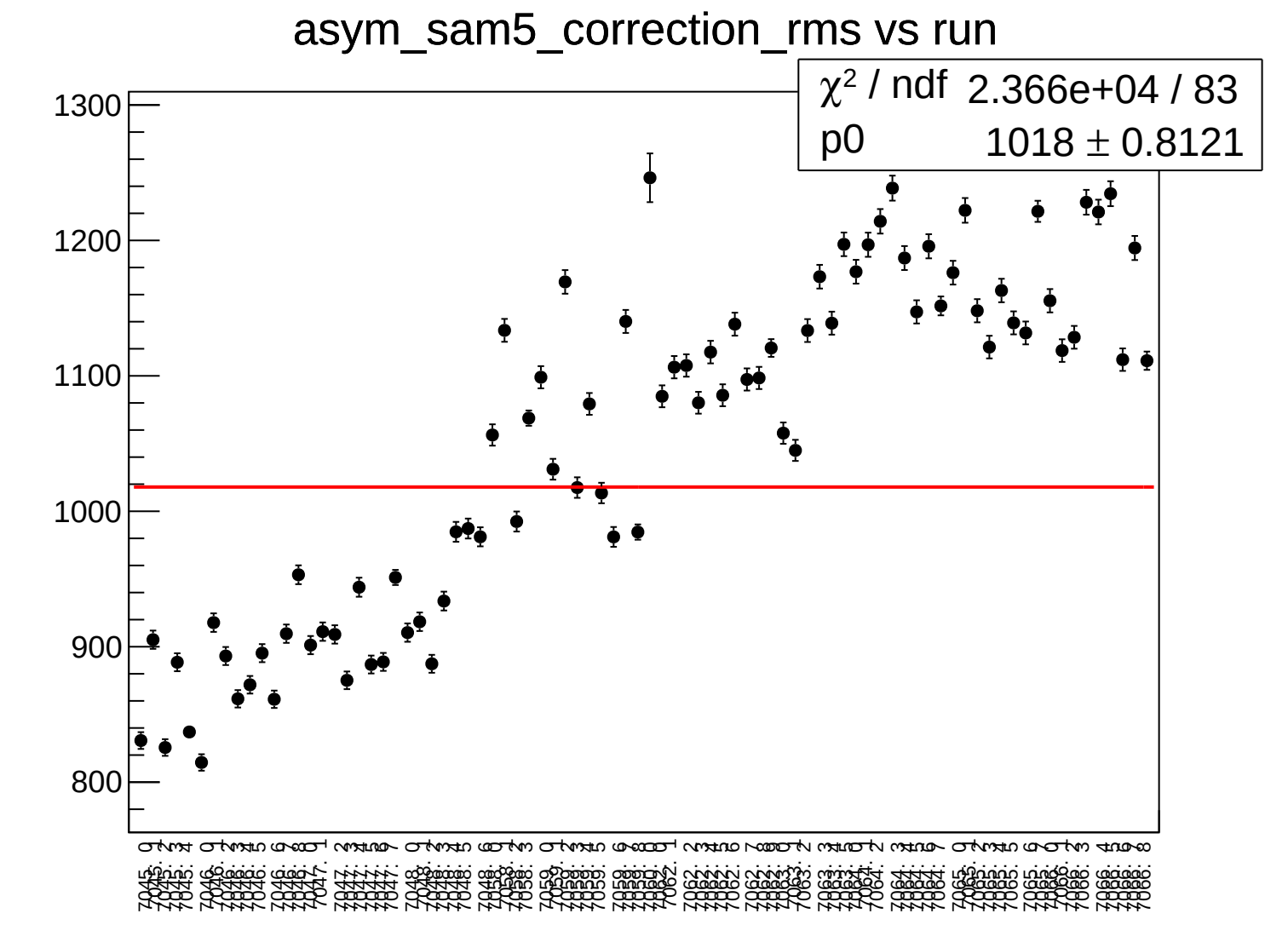

dit_asym_sam5_mean vs run
χ² / ndf 90.18 / 83
p0 501.5 ± 185.9
pull
Entries 84
Mean −123.6
Std Dev 189.7

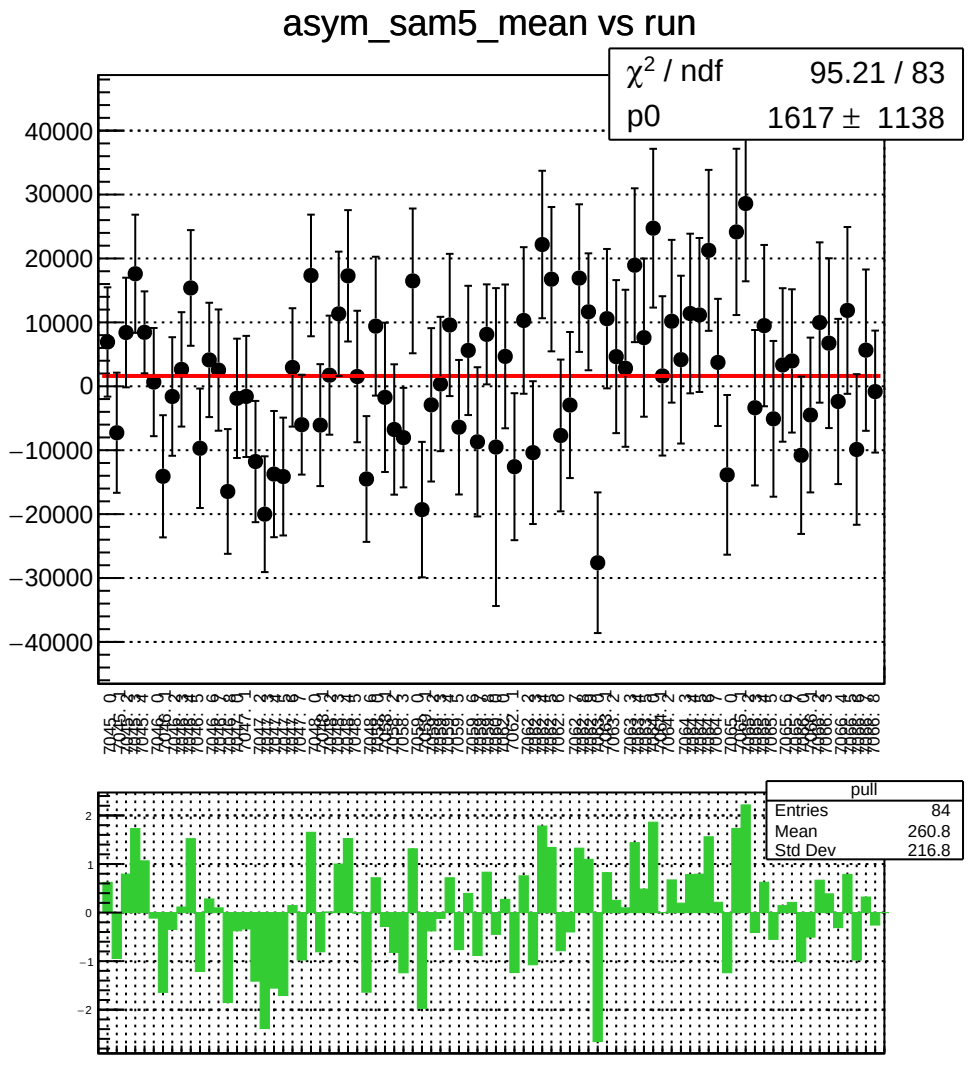

pull1D
Entries 84
Mean −0.008137
Std Dev 1.036

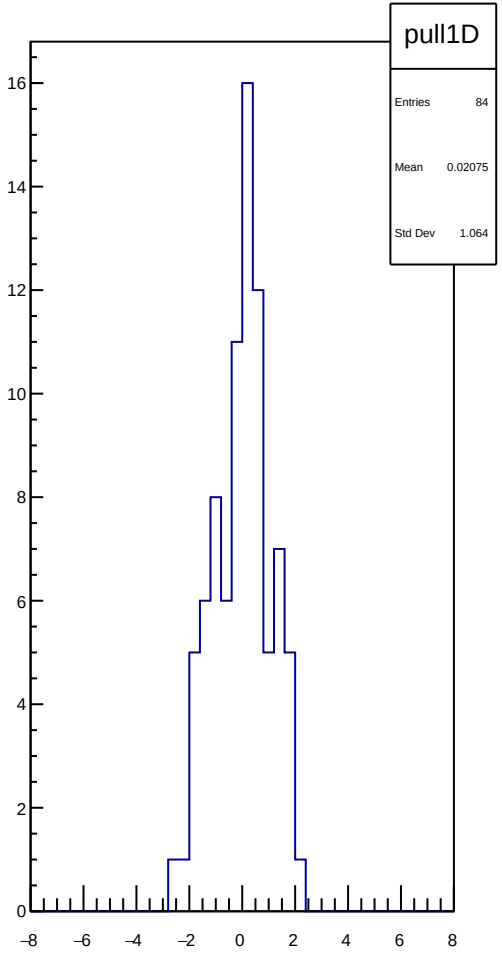

dit_asym_sam5_rms vs run
χ² / ndf 2812 / 83
p0 165.9 ± 0.1315
210
200
190
180
170
160
150

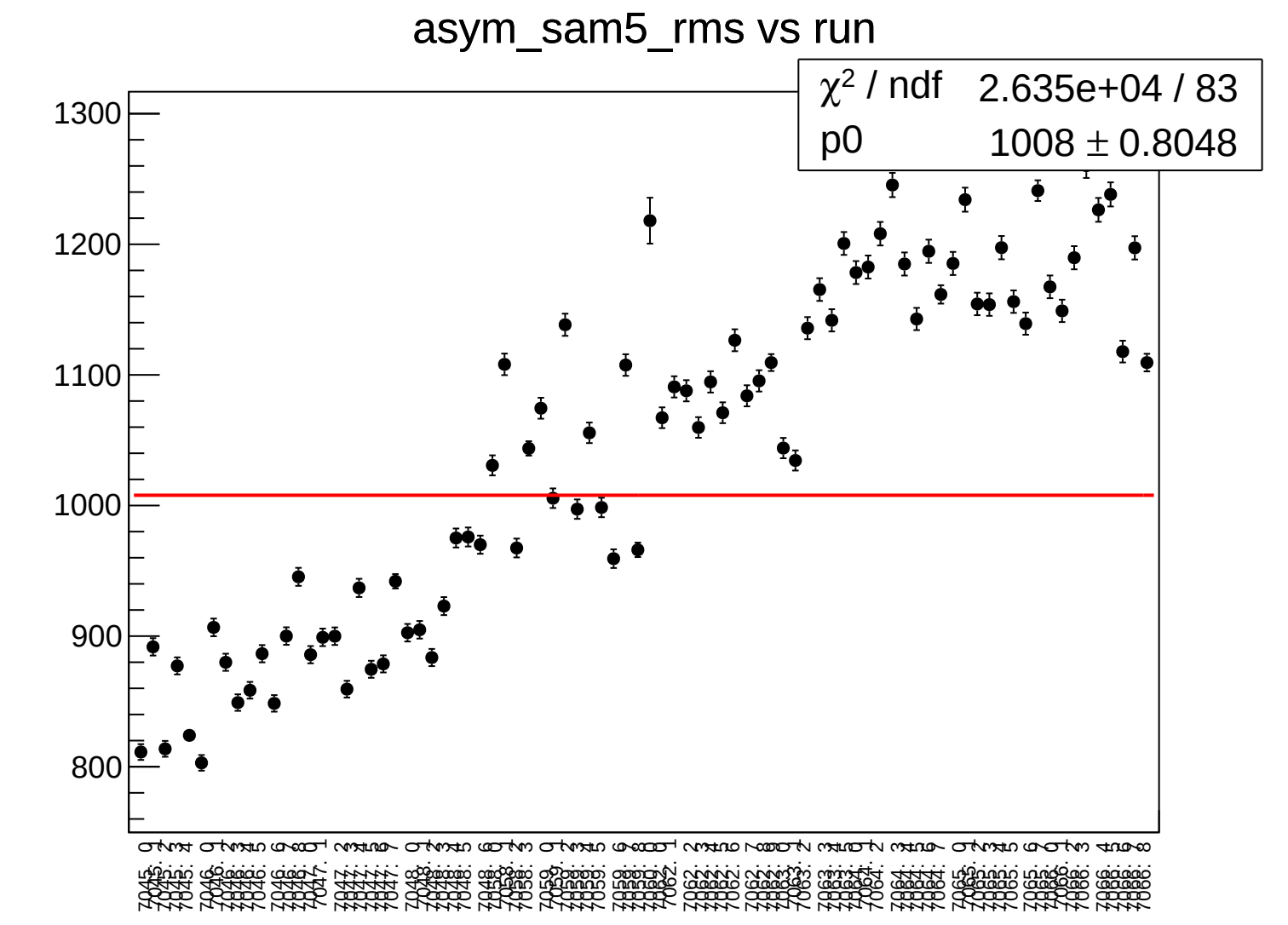

asym_sam5_correction_mean vs run
χ² / ndf 93.76 / 83
p0 −1152 ± 1149
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean 255.1
Std Dev 212.4
2
1
0
−1
−2

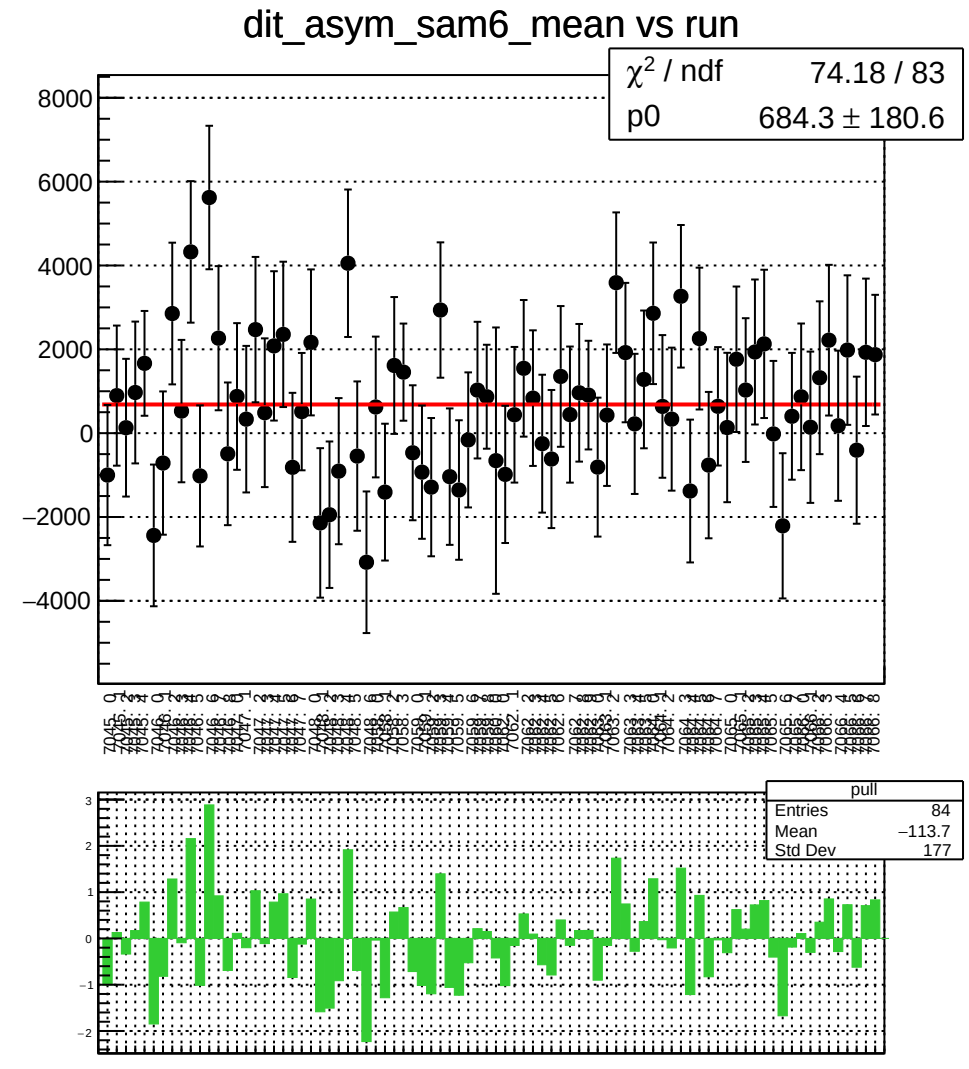

pull1D
Entries 84
Mean −0.02052
Std Dev 1.056
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

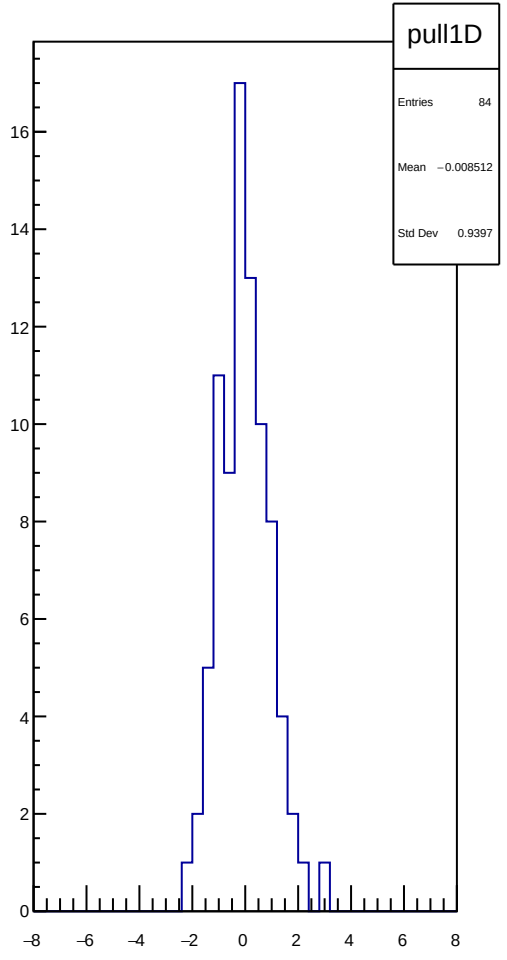

asym_sam5_correction_rms vs run
χ² / ndf 2.366e+04 / 83
p0 1018 ± 0.8121
1300
1200
1100
1000
900
800

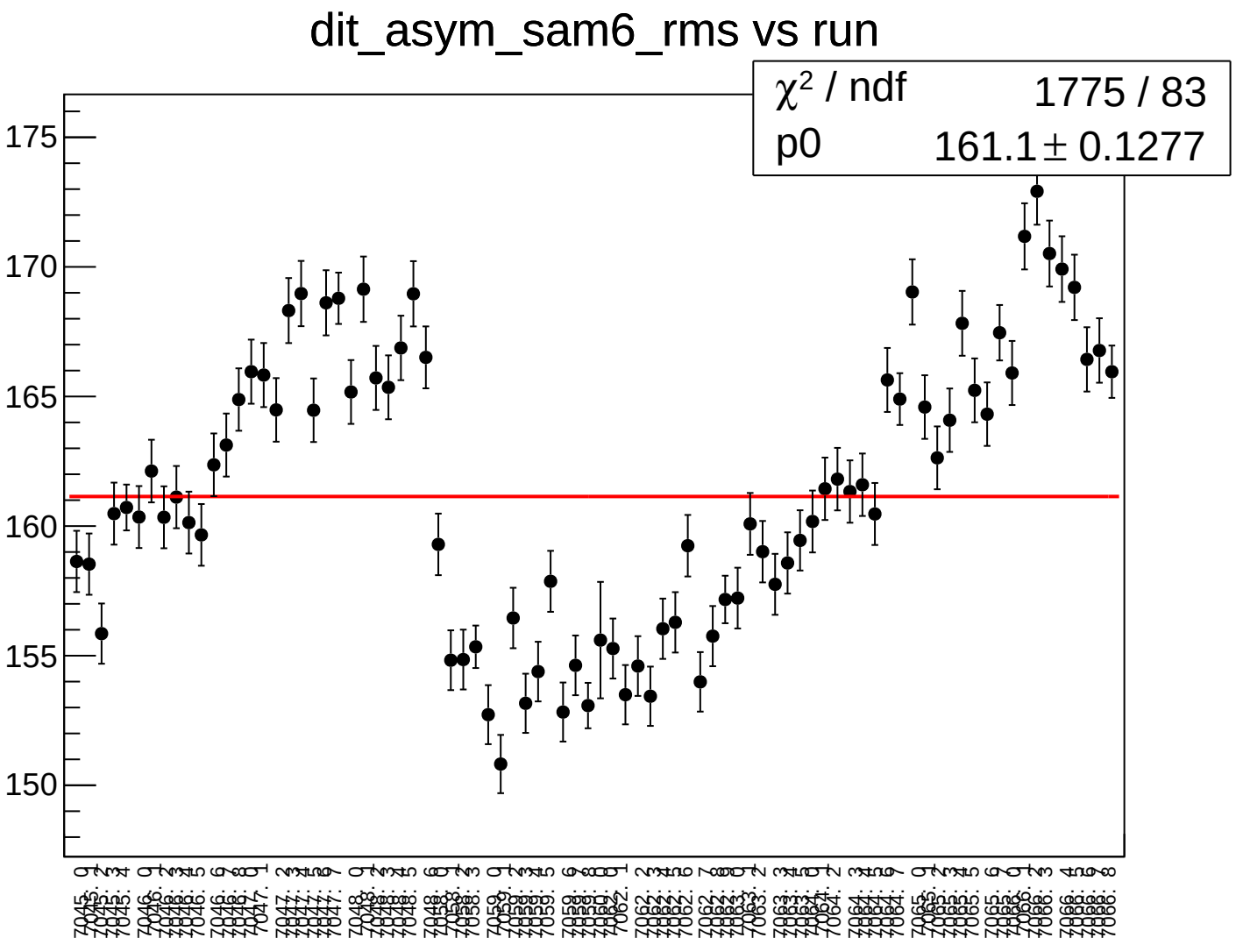

asym_sam5_mean vs run
χ² / ndf 95.21 / 83
p0 1617 ± 1138
pull
Entries 84
Mean 260.8
Std Dev 216.8

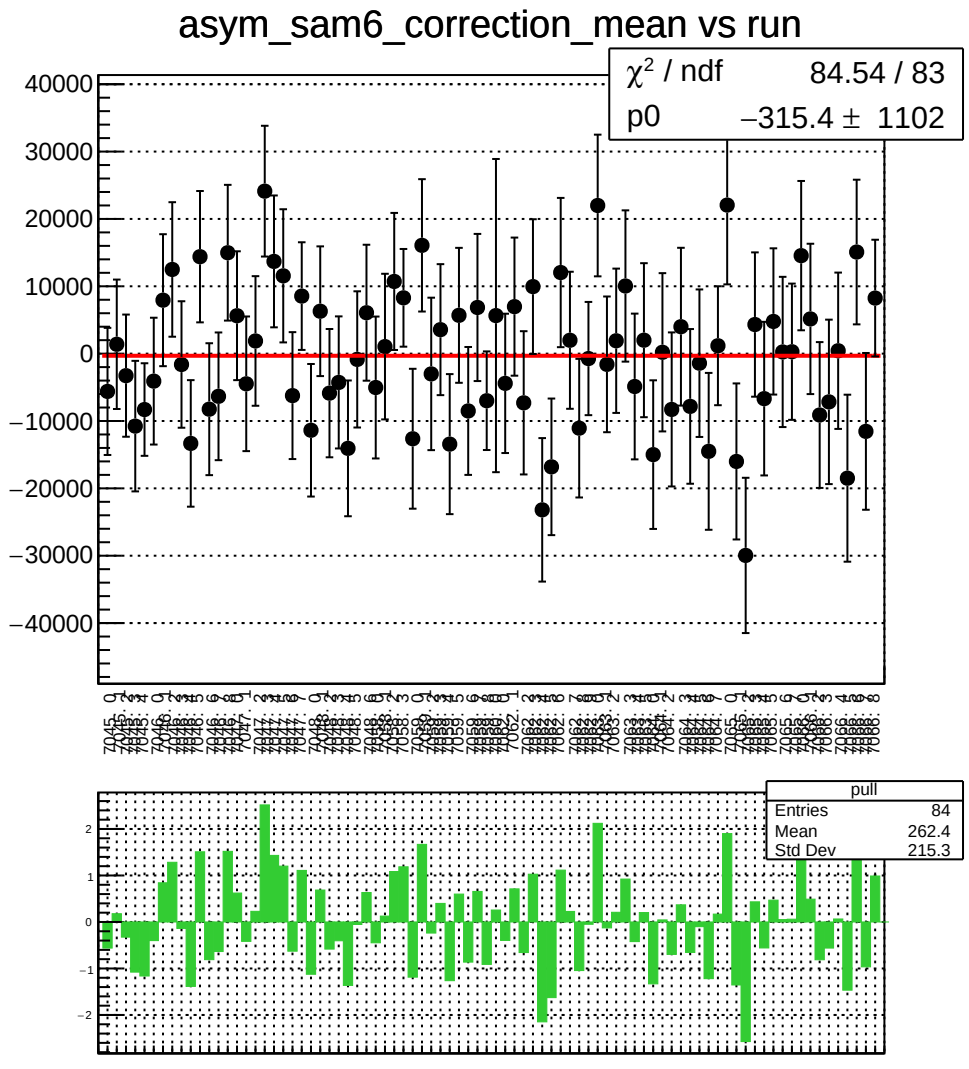

pull1D
Entries 84
Mean 0.02075
Std Dev 1.064

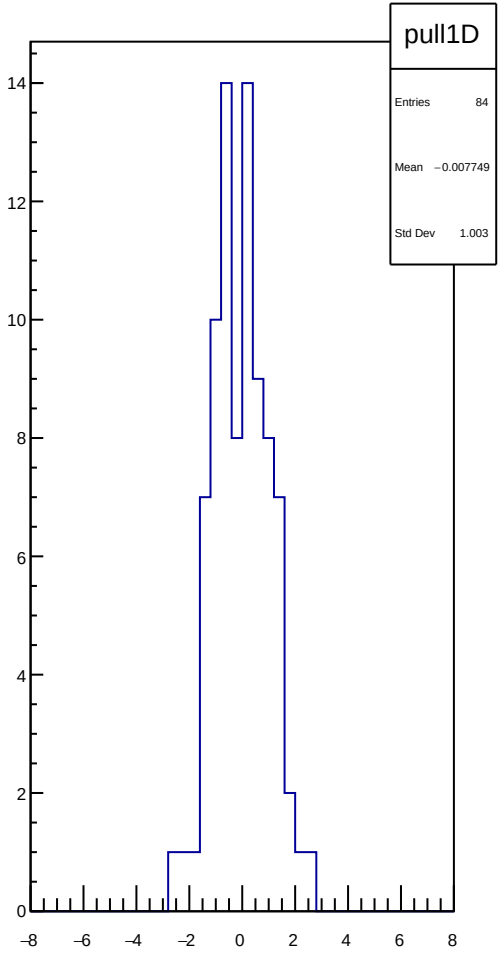

asym_sam5_rms vs run
χ² / ndf 2.635e+04 / 83
p0 1008 ± 0.8048
1300
1200
1100
1000
900
800

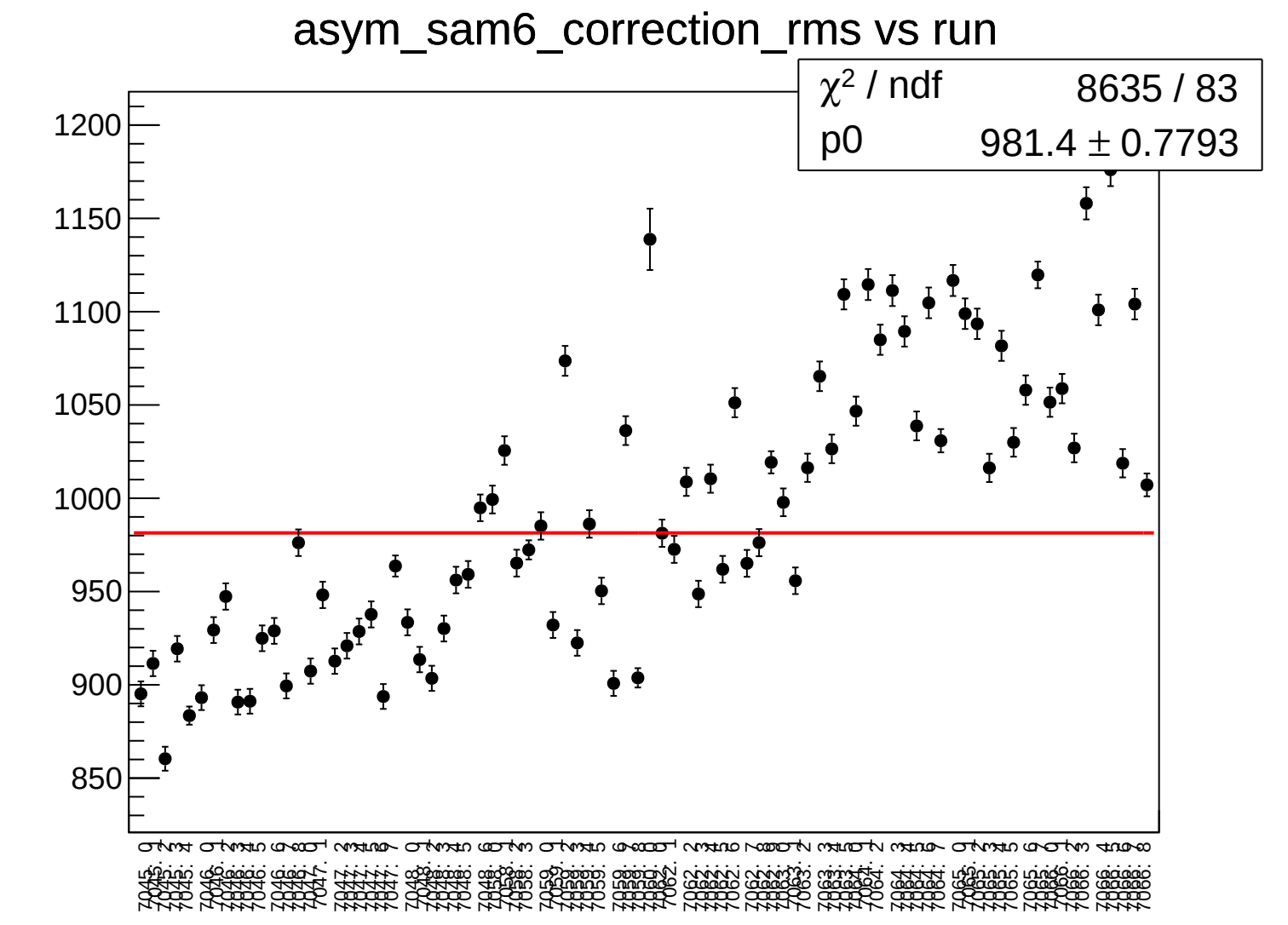

dit_asym_sam6_mean vs run
χ² / ndf 74.18 / 83
p0 684.3 ± 180.6
pull
Entries 84
Mean −113.7
Std Dev 177

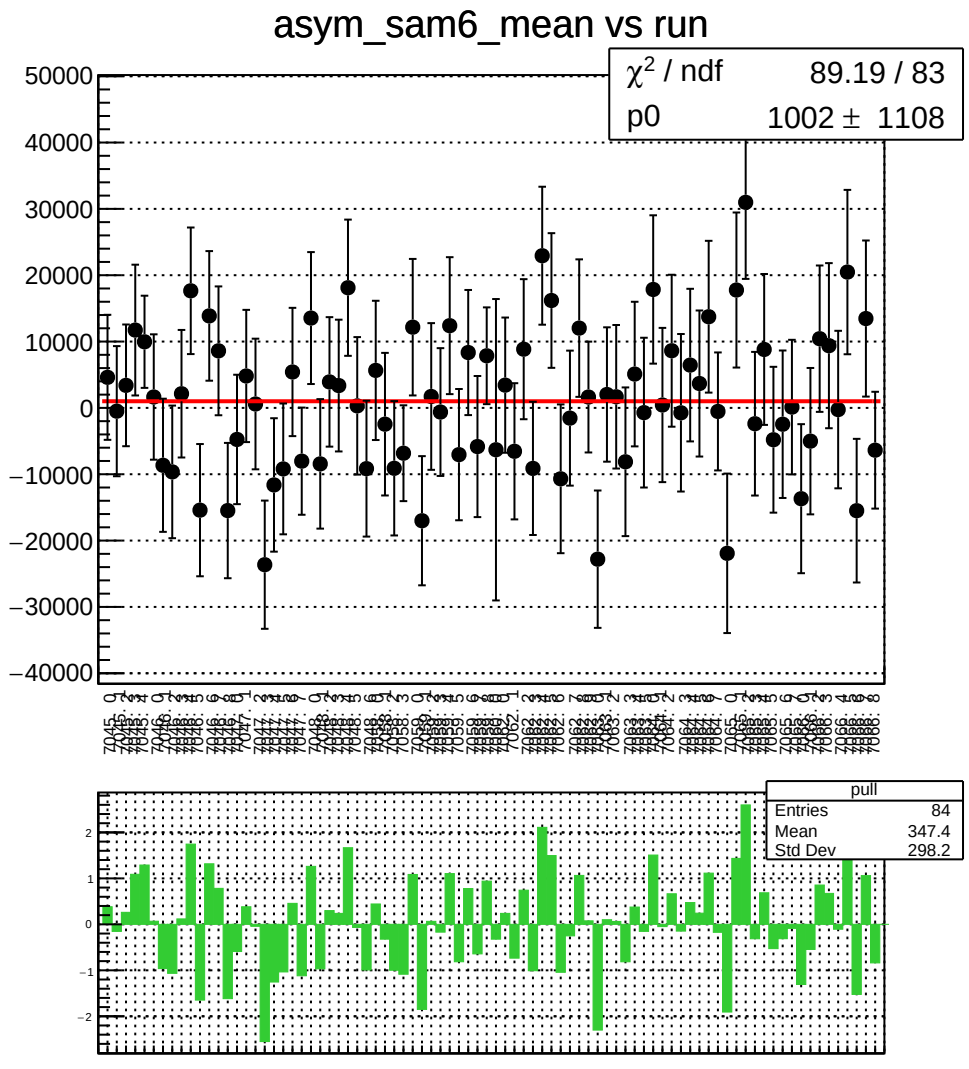

pull1D
Entries 84
Mean −0.008512
Std Dev 0.9397

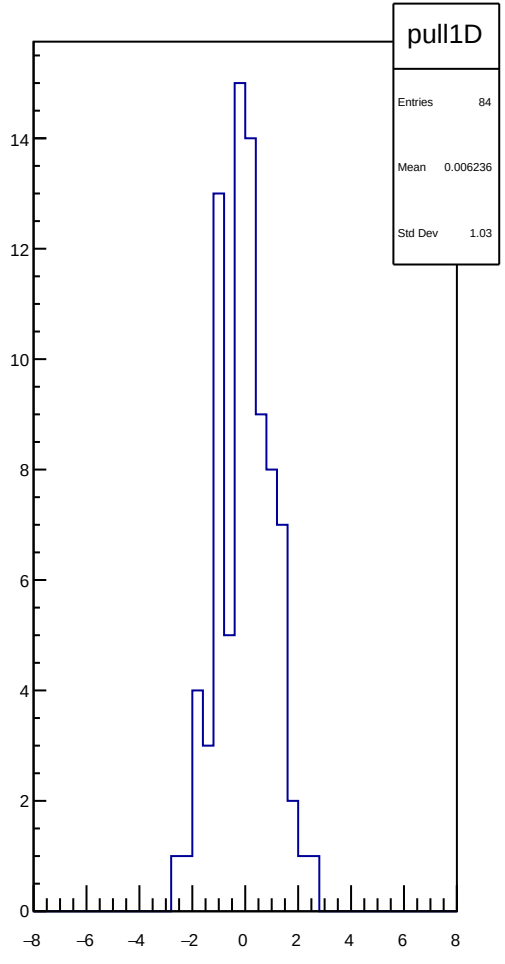

dit_asym_sam6_rms vs run
χ² / ndf 1775 / 83
p0 161.1 ± 0.1277
175
170
165
160
155
150

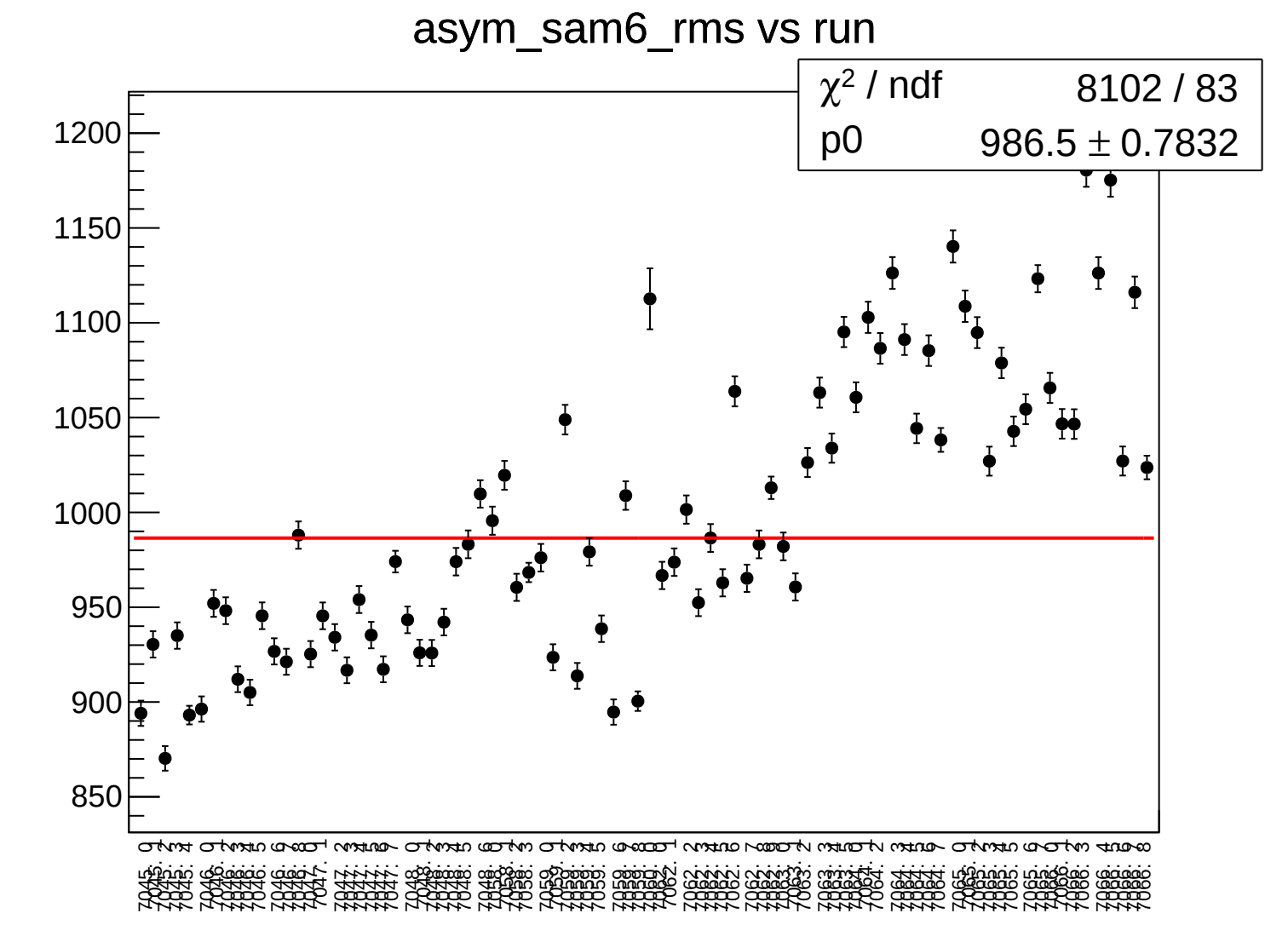

asym_sam6_correction_mean vs run
χ² / ndf 84.54 / 83
p0 −315.4 ± 1102
pull
Entries 84
Mean 262.4
Std Dev 215.3

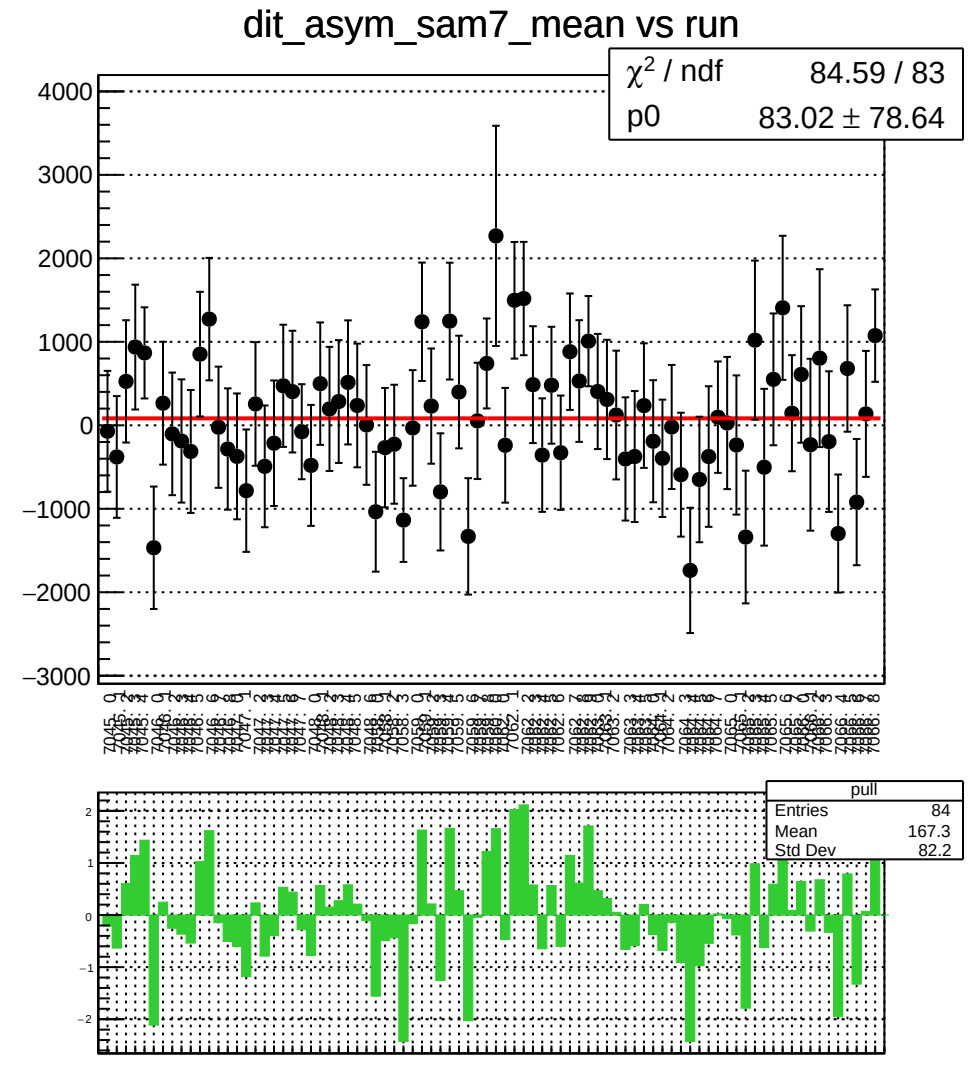

pull1D
Entries 84
Mean −0.007749
Std Dev 1.003

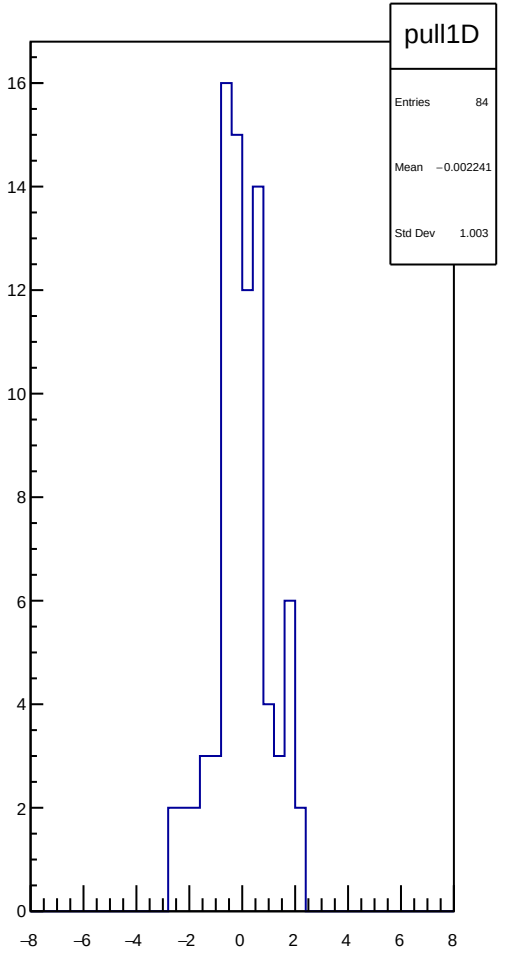

asym_sam6_correction_rms vs run
χ² / ndf 8635 / 83
p0 981.4 ± 0.7793
1200
1150
1100
1050
1000
950
900
850

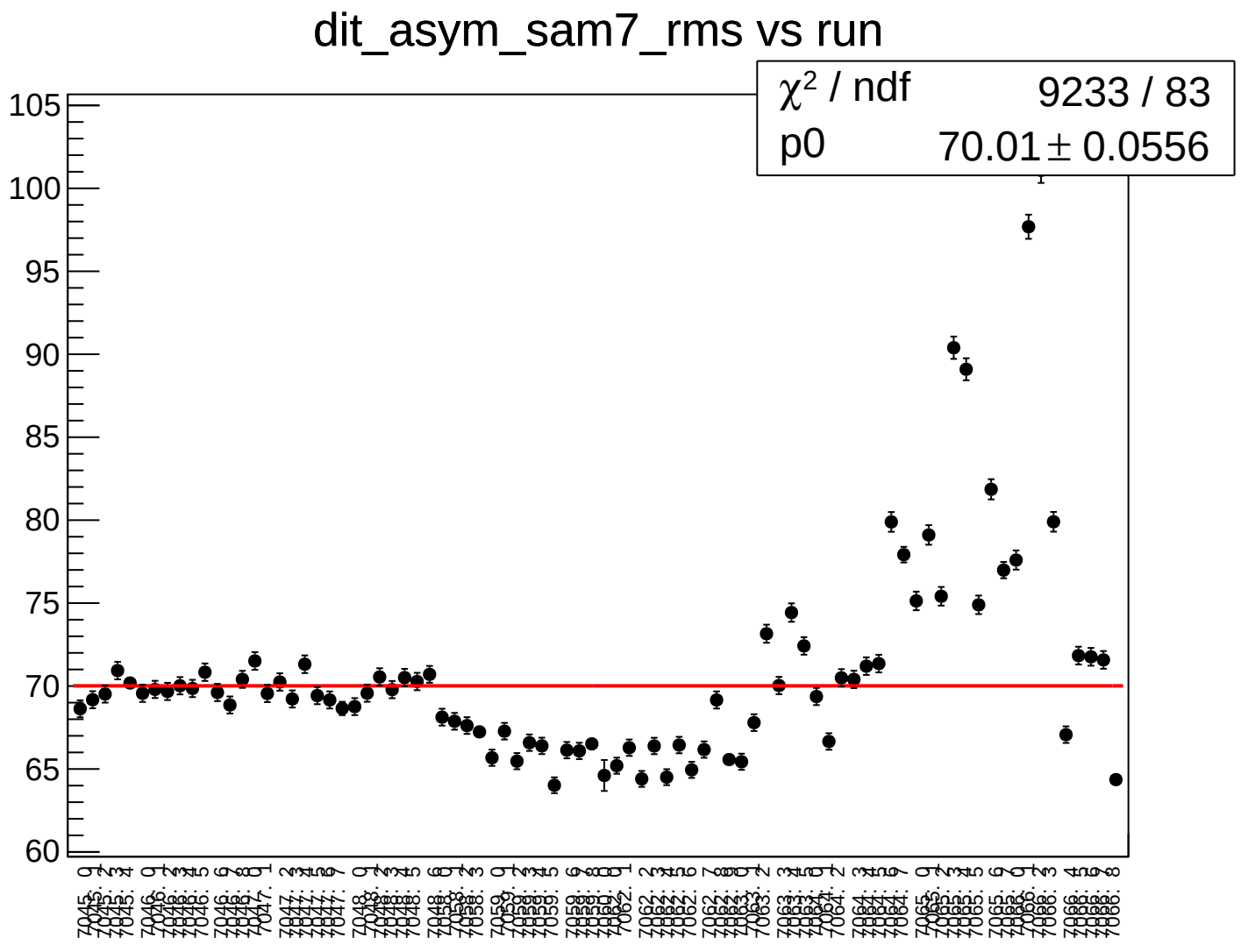

asym_sam6_mean vs run
χ² / ndf 89.19 / 83
p0 1002 ± 1108
pull
Entries 84
Mean 347.4
Std Dev 298.2

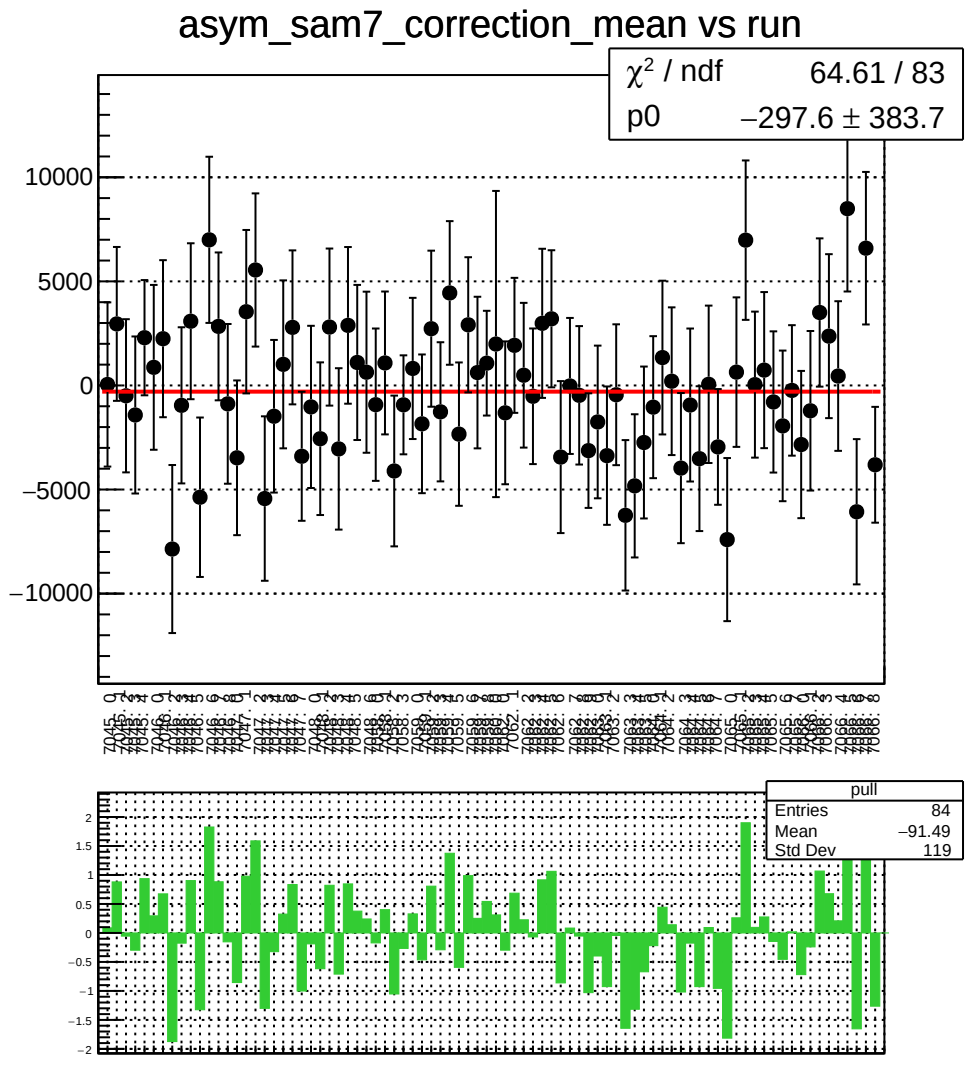

pull1D
Entries 84
Mean 0.006236
Std Dev 1.03

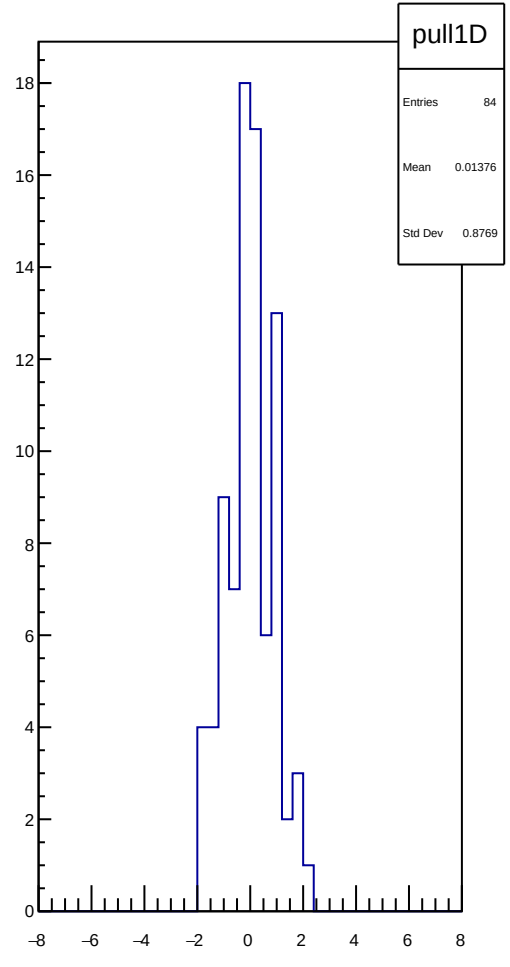

asym_sam6_rms vs run
χ² / ndf 8102 / 83
p0 986.5 ± 0.7832
1200
1150
1100
1050
1000
950
900
850

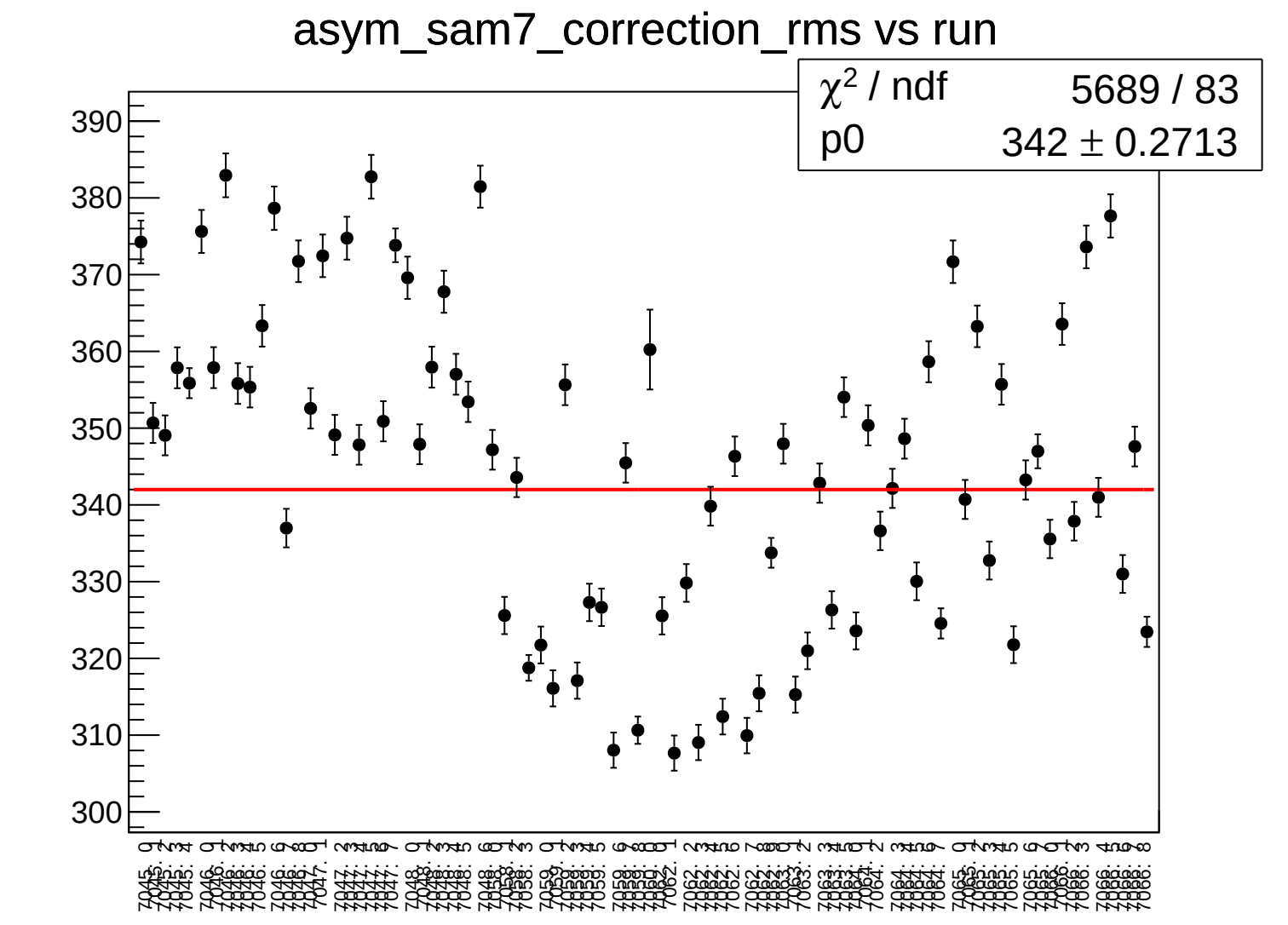

dit_asym_sam7_mean vs run
χ^2 / ndf 84.59 / 83
p0 83.02 ± 78.64
pull
Entries 84
Mean 167.3
Std Dev 82.2

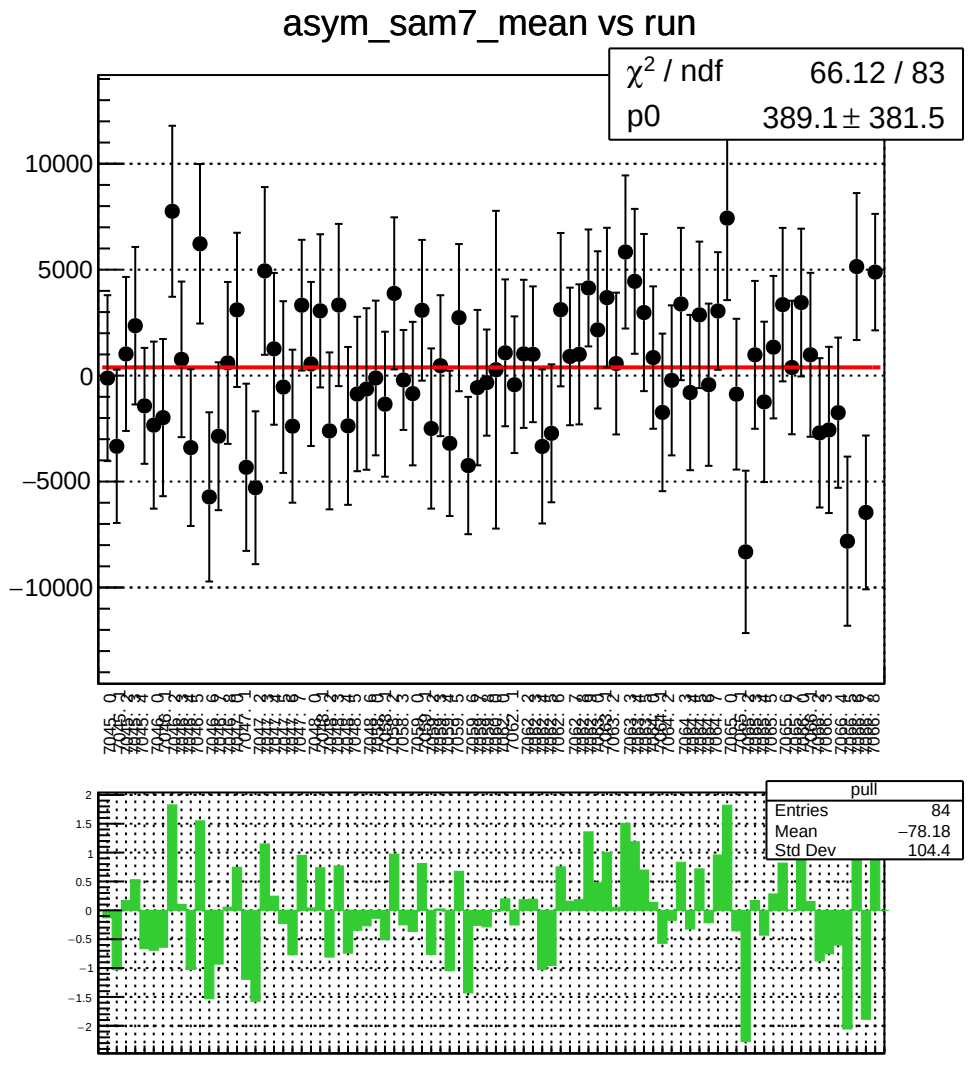

pull1D
Entries 84
Mean −0.002241
Std Dev 1.003

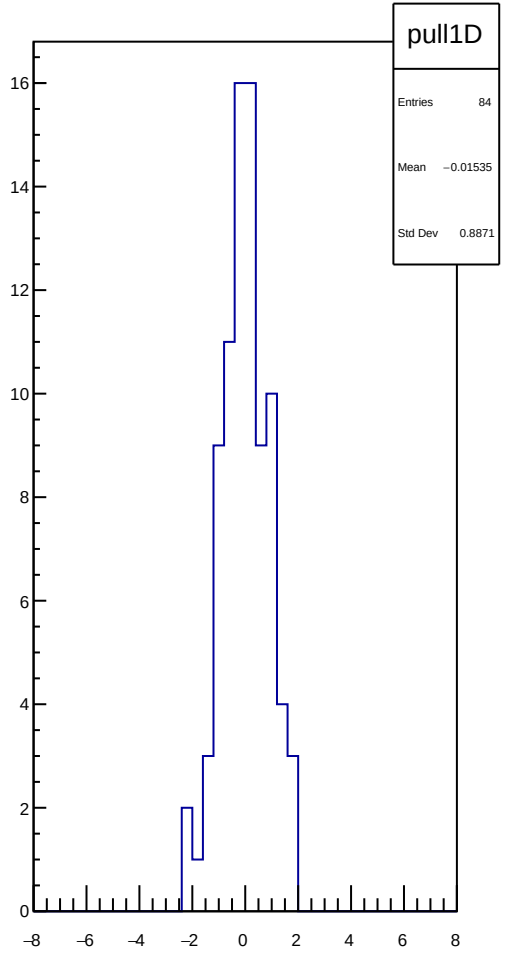

dit_asym_sam7_rms vs run
χ² / ndf 9233 / 83
p0 70.01 ± 0.0556
105
100
95
90
85
80
75
70
65
60

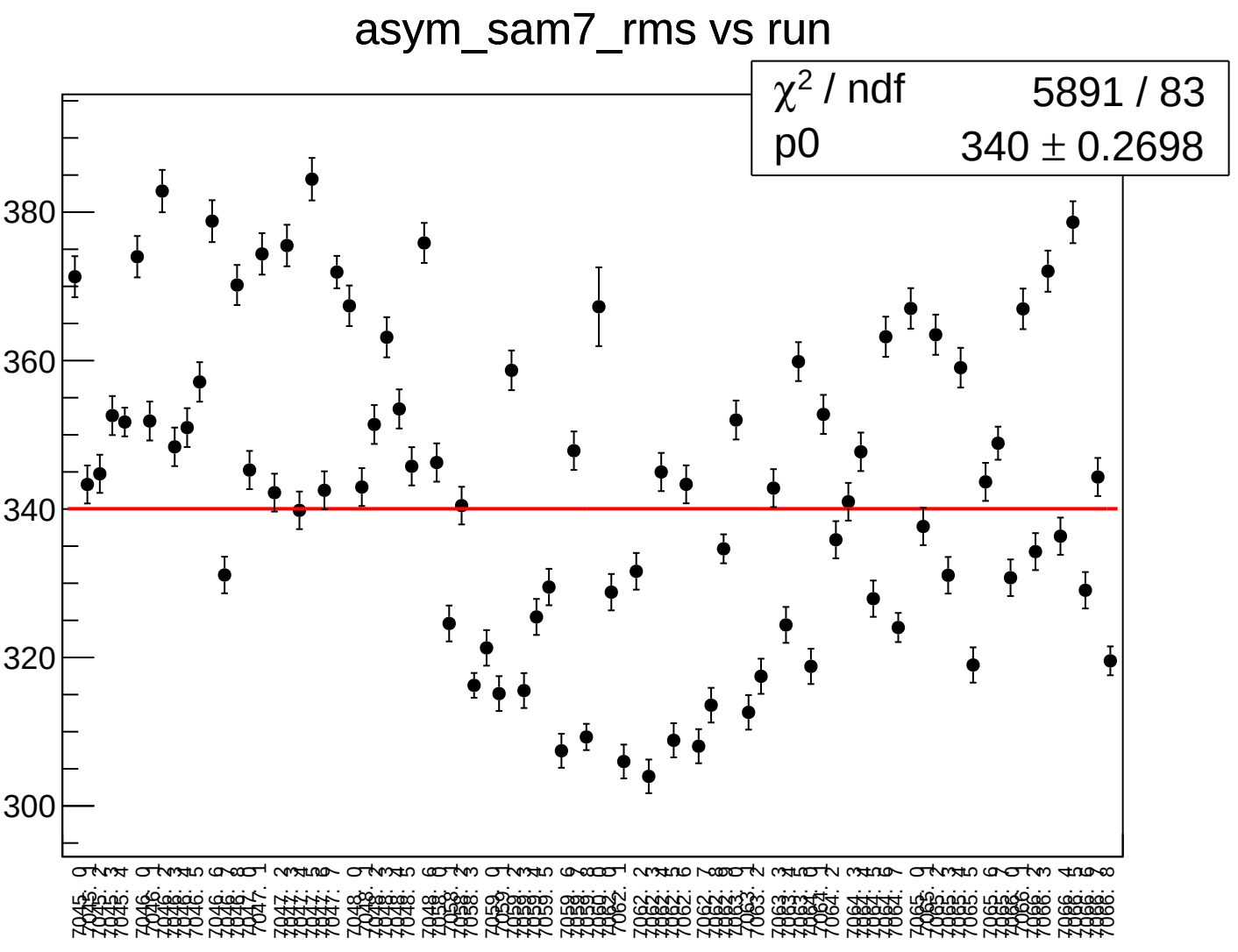

asym_sam7_correction_mean vs run
χ² / ndf 64.61 / 83
p0 −297.6 ± 383.7
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −91.49
Std Dev 119
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

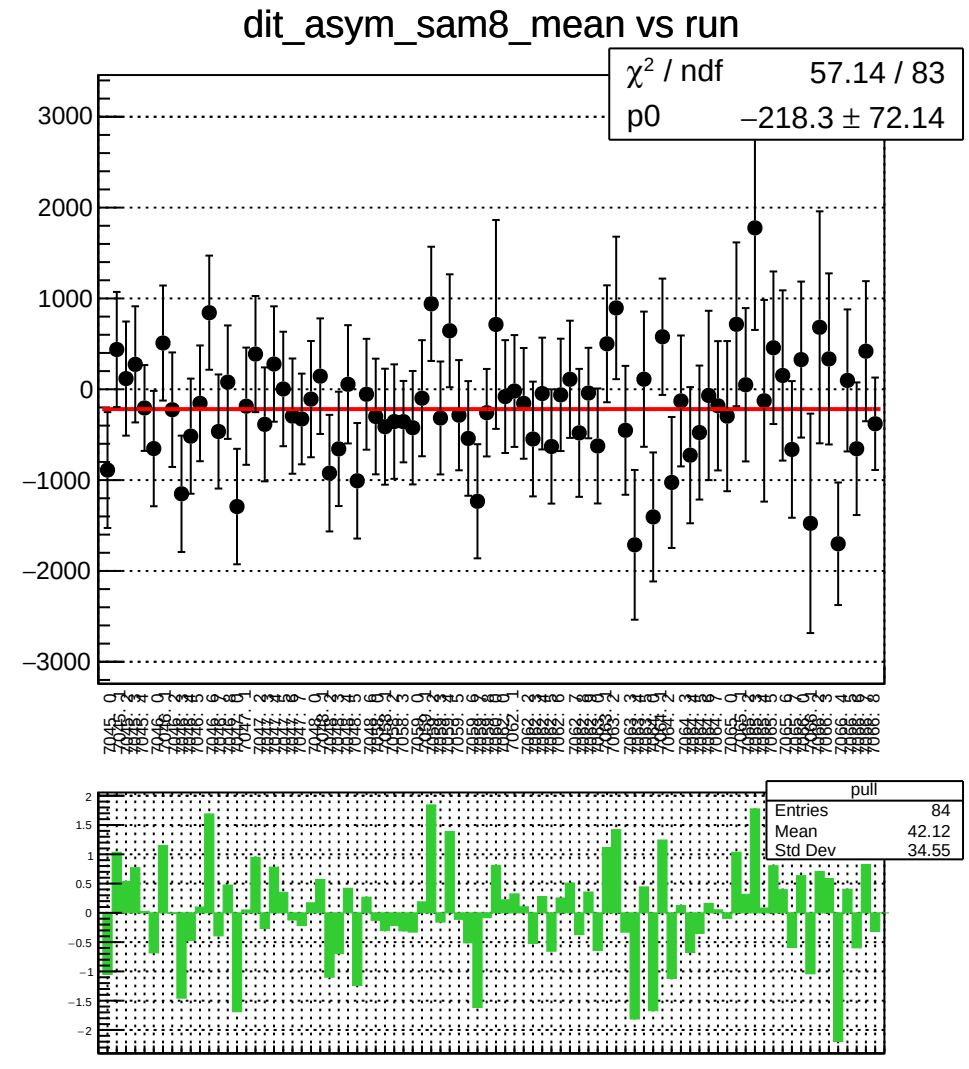

pull1D
Entries 84
Mean 0.01376
Std Dev 0.8769
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

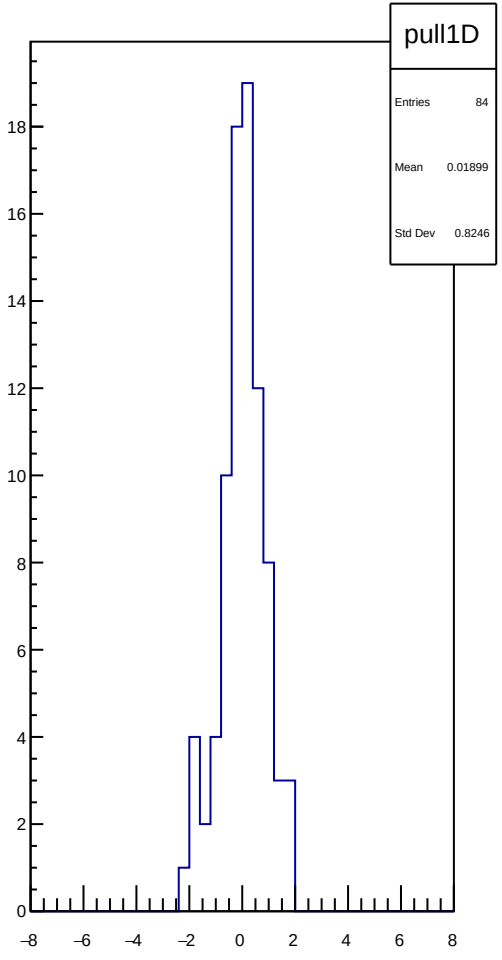

asym_sam7_correction_rms vs run
χ² / ndf 5689 / 83
p0 342 ± 0.2713
390
380
370
360
350
340
330
320
310
300

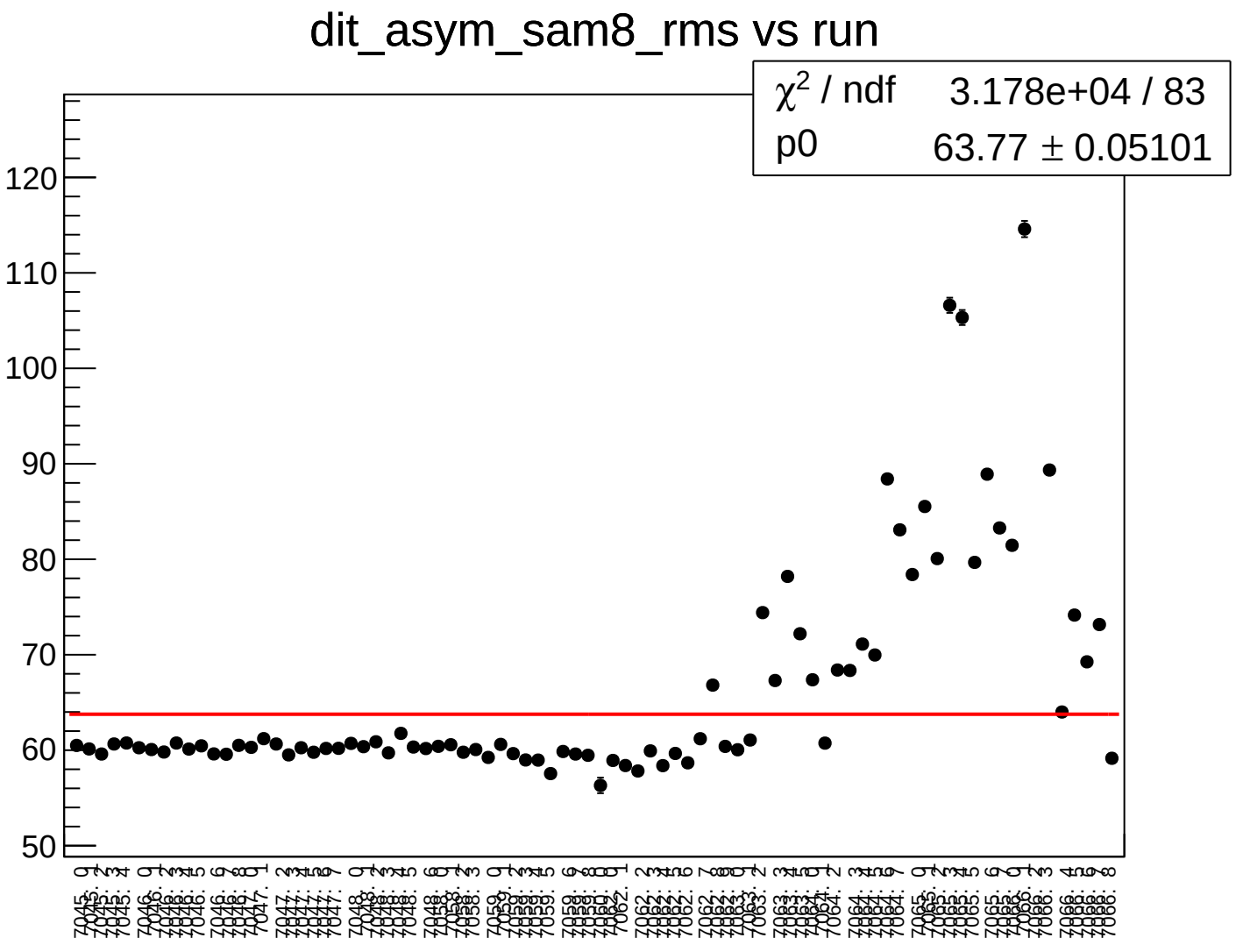

asym_sam7_mean vs run
χ² / ndf 66.12 / 83
p0 389.1 ± 381.5
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −78.18
Std Dev 104.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

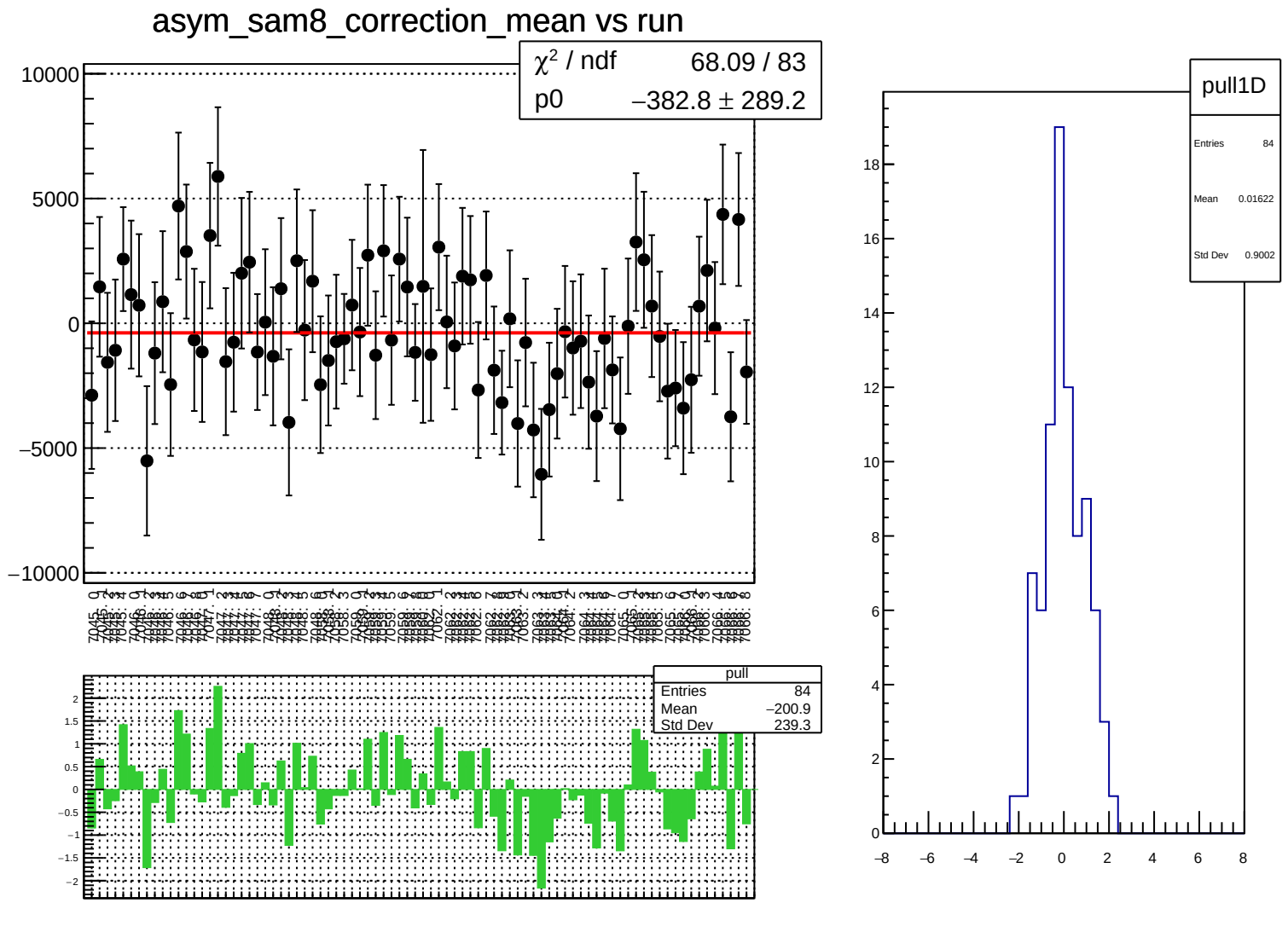

pull1D
Entries 84
Mean −0.01535
Std Dev 0.8871
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

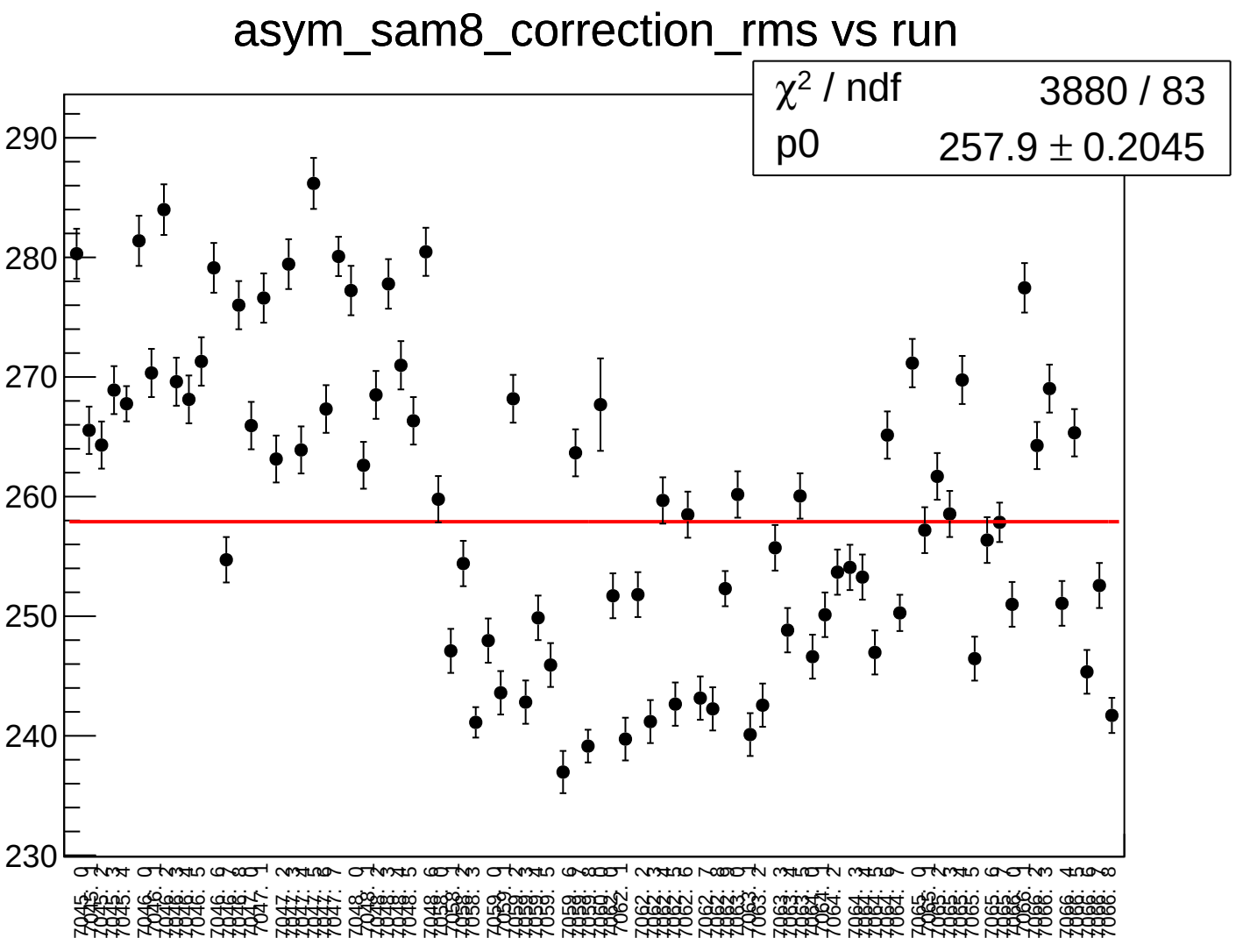

asym_sam7_rms vs run
χ^2 / ndf 5891 / 83
p0 340 ± 0.2698
380
360
340
320
300

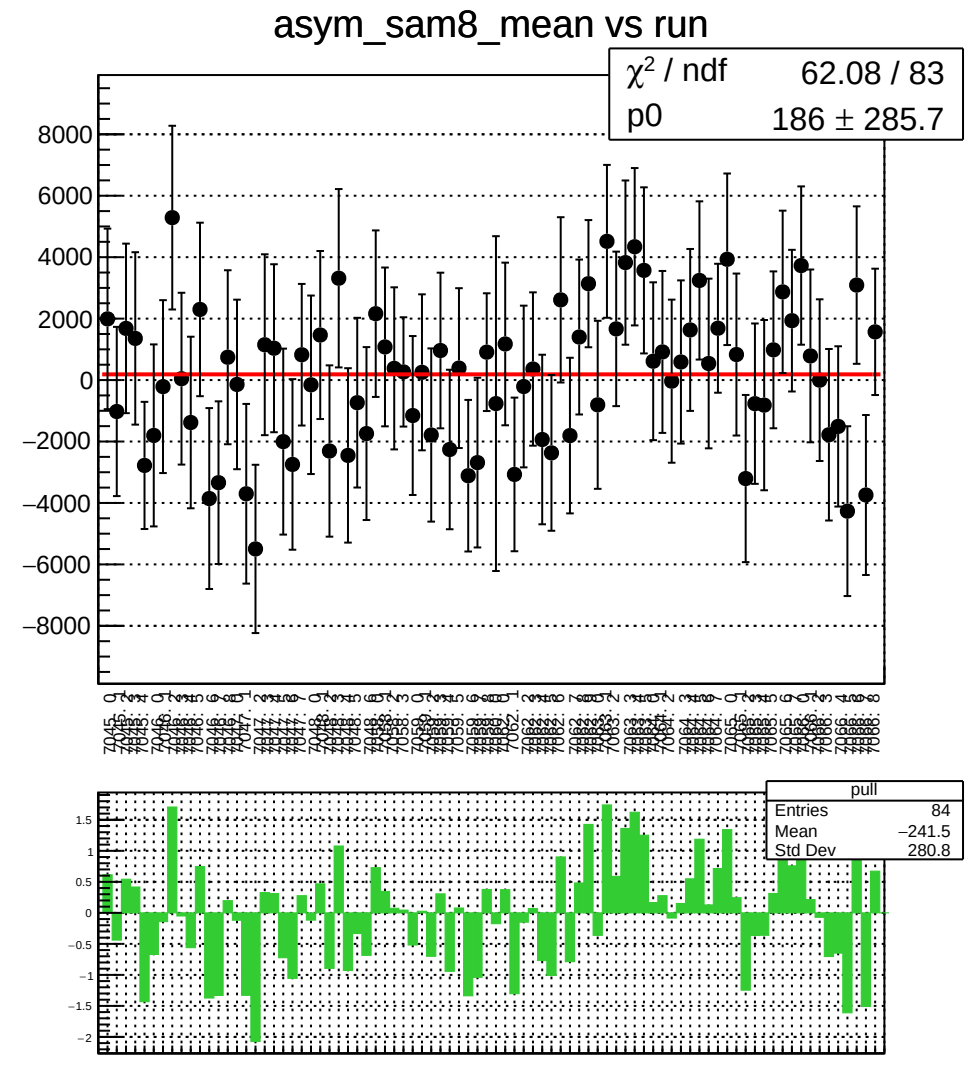

dit_asym_sam8_mean vs run
χ² / ndf 57.14 / 83
p0 −218.3 ± 72.14
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean 42.12
Std Dev 34.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

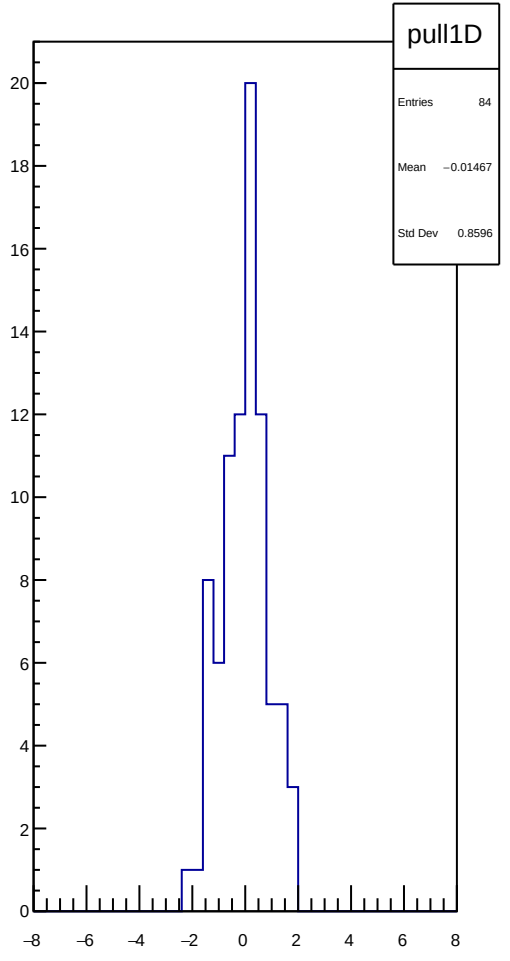

pull1D
Entries 84
Mean 0.01899
Std Dev 0.8246
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

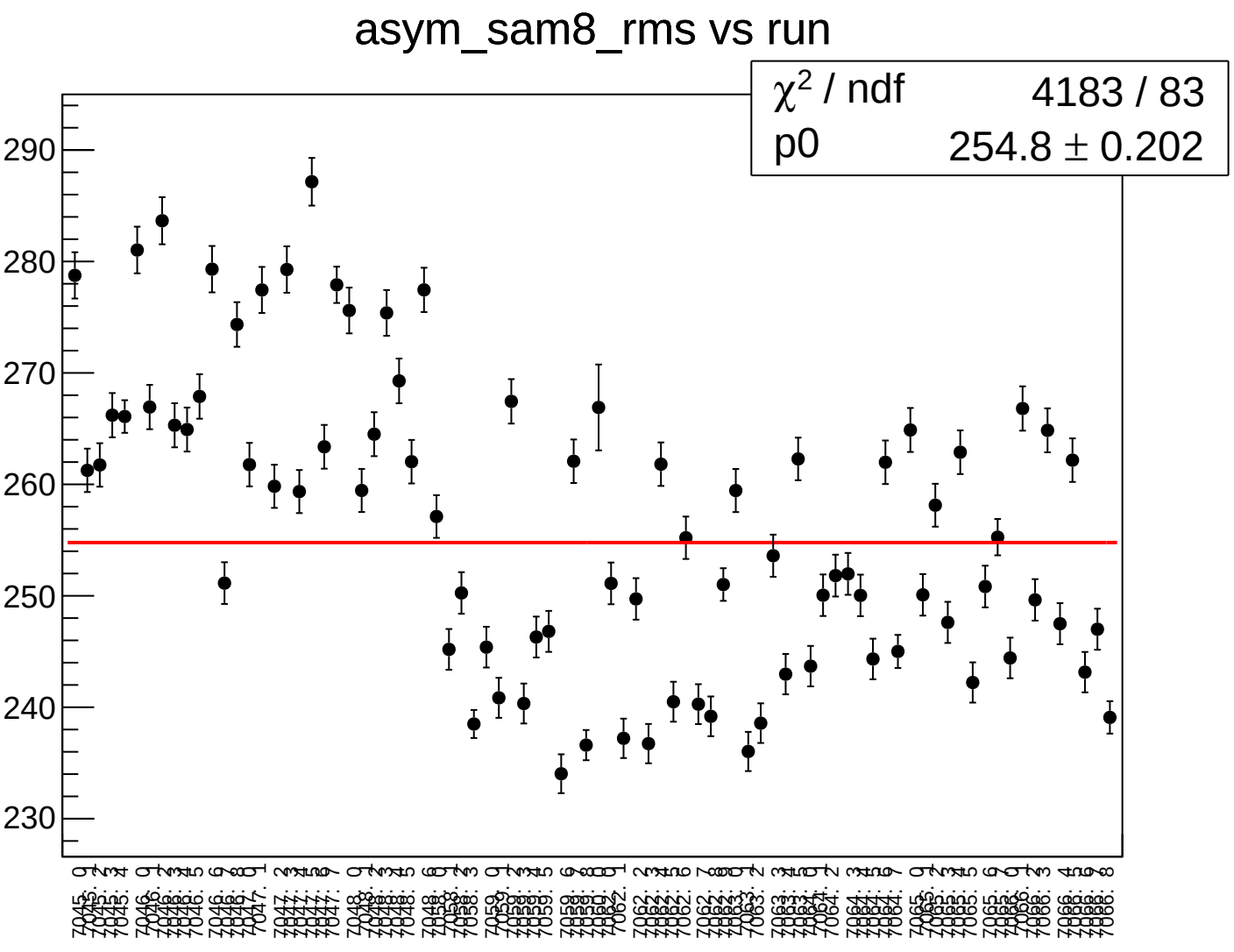

dit_asym_sam8_rms vs run
χ^2 / ndf 3.178e+04 / 83
p0 63.77 ± 0.05101
120
110
100
90
80
70
60
50

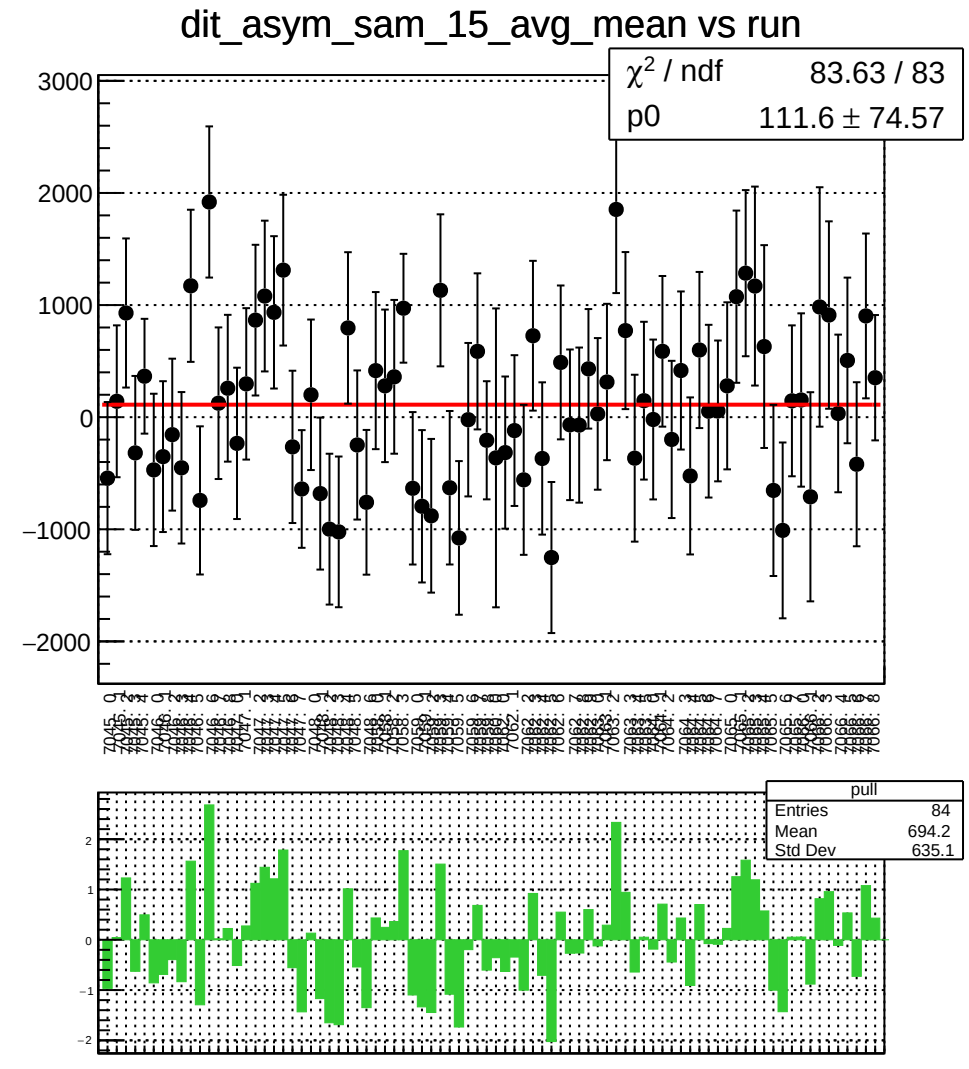

asym_sam8_correction_mean vs run
χ² / ndf 68.09 / 83
p0 −382.8 ± 289.2
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −200.9
Std Dev 239.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean 0.01622
Std Dev 0.9002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

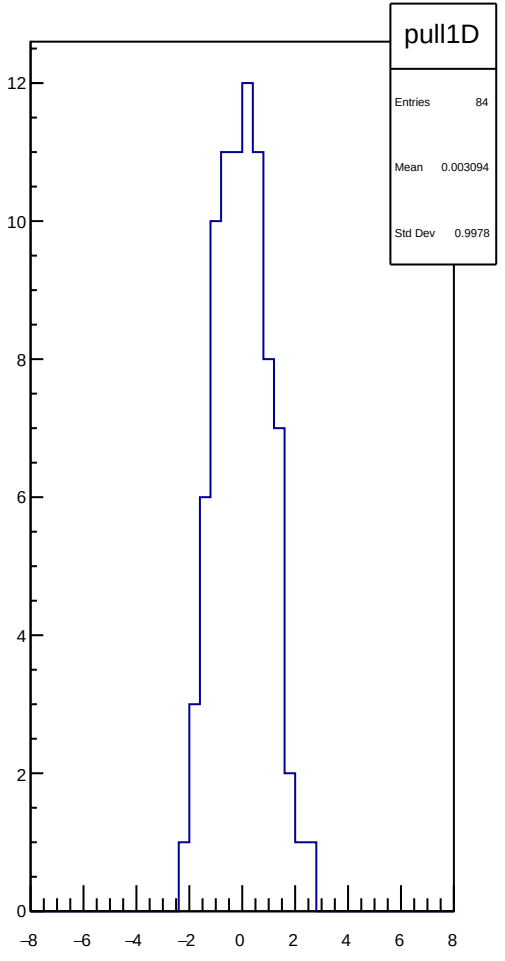

asym_sam8_correction_rms vs run
χ² / ndf 3880 / 83
p0 257.9 ± 0.2045
290
280
270
260
250
240
230

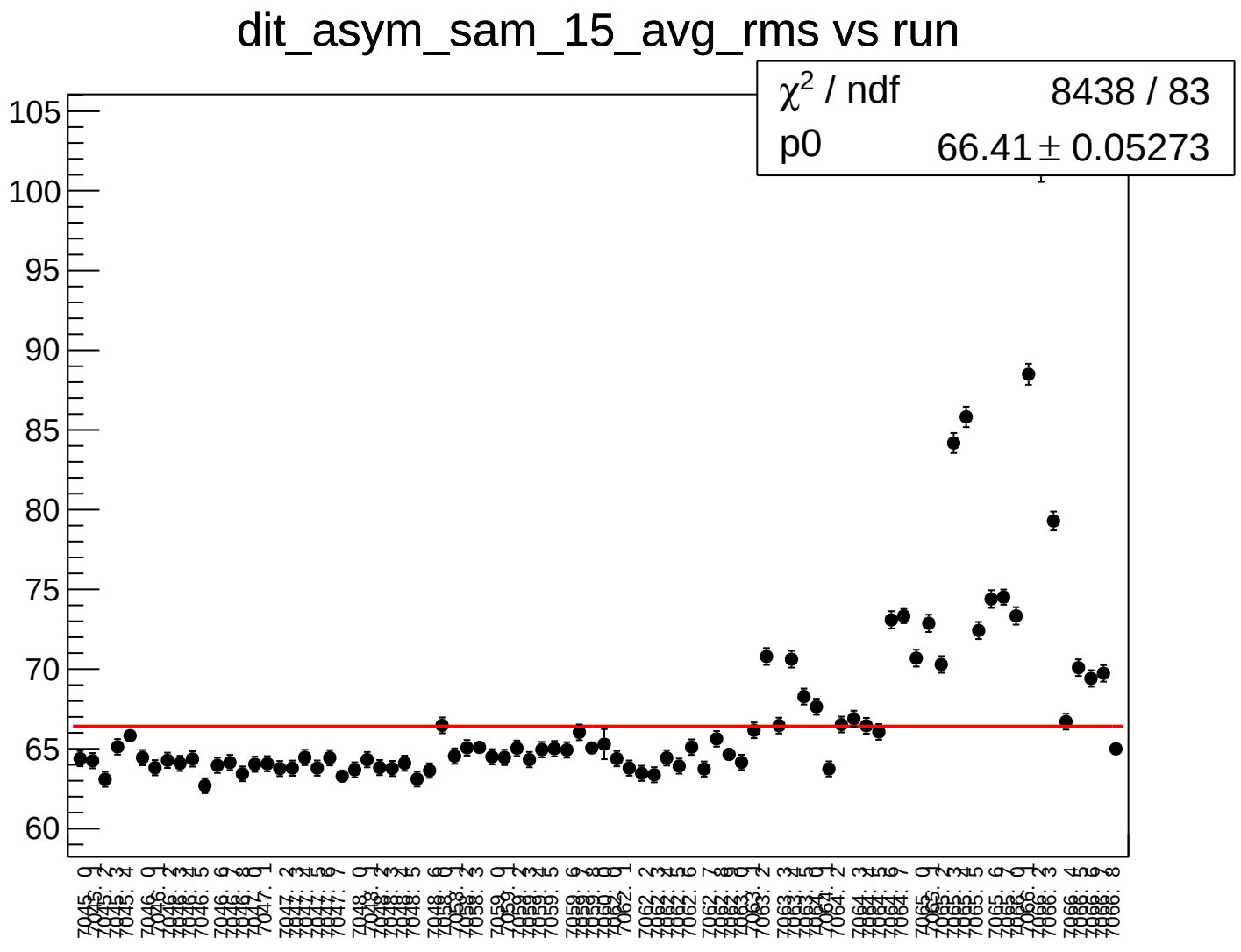

asym_sam8_mean vs run
χ² / ndf 62.08 / 83
p0 186 ± 285.7
pull
Entries 84
Mean −241.5
Std Dev 280.8

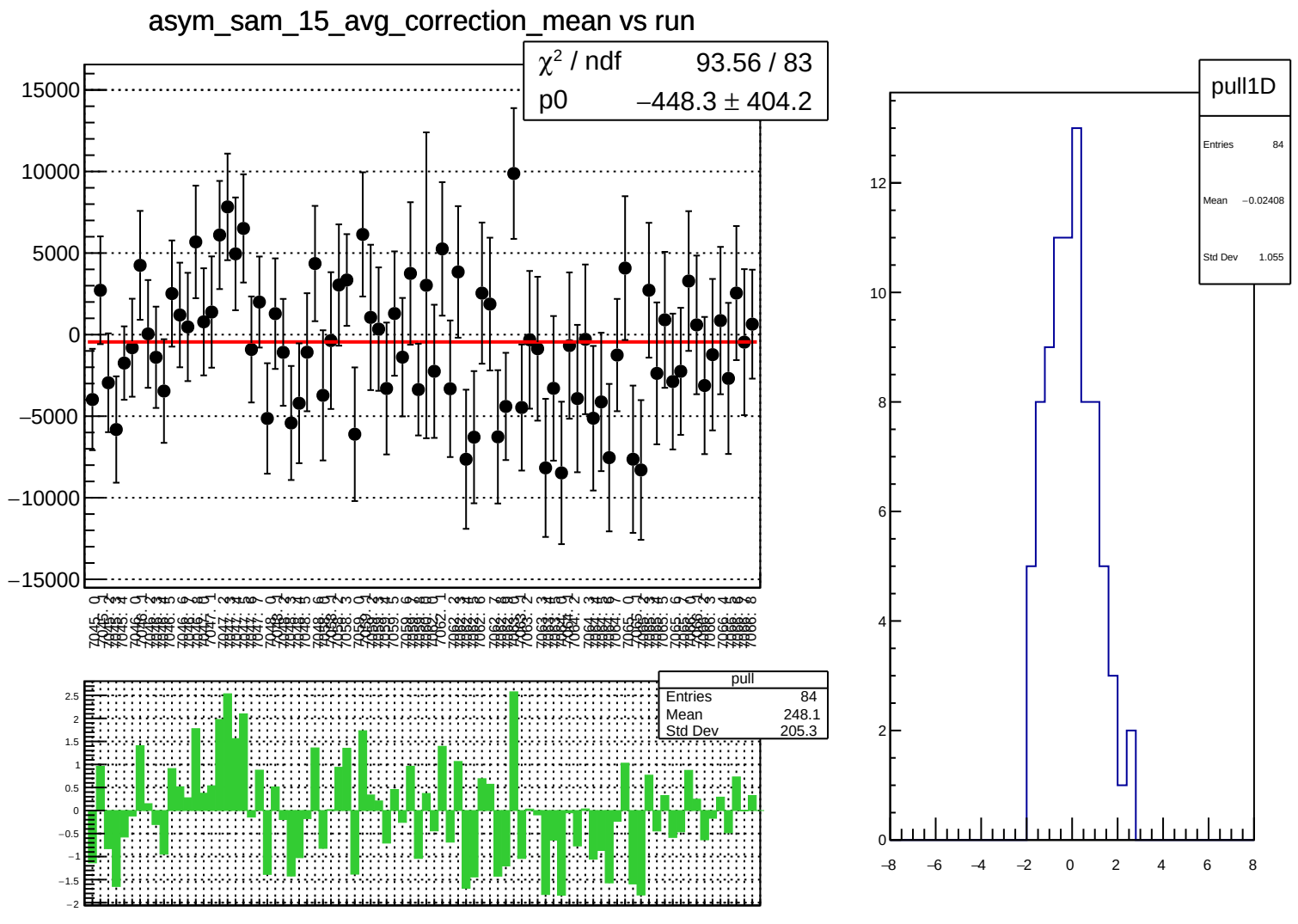

pull1D
Entries 84
Mean −0.01467
Std Dev 0.8596

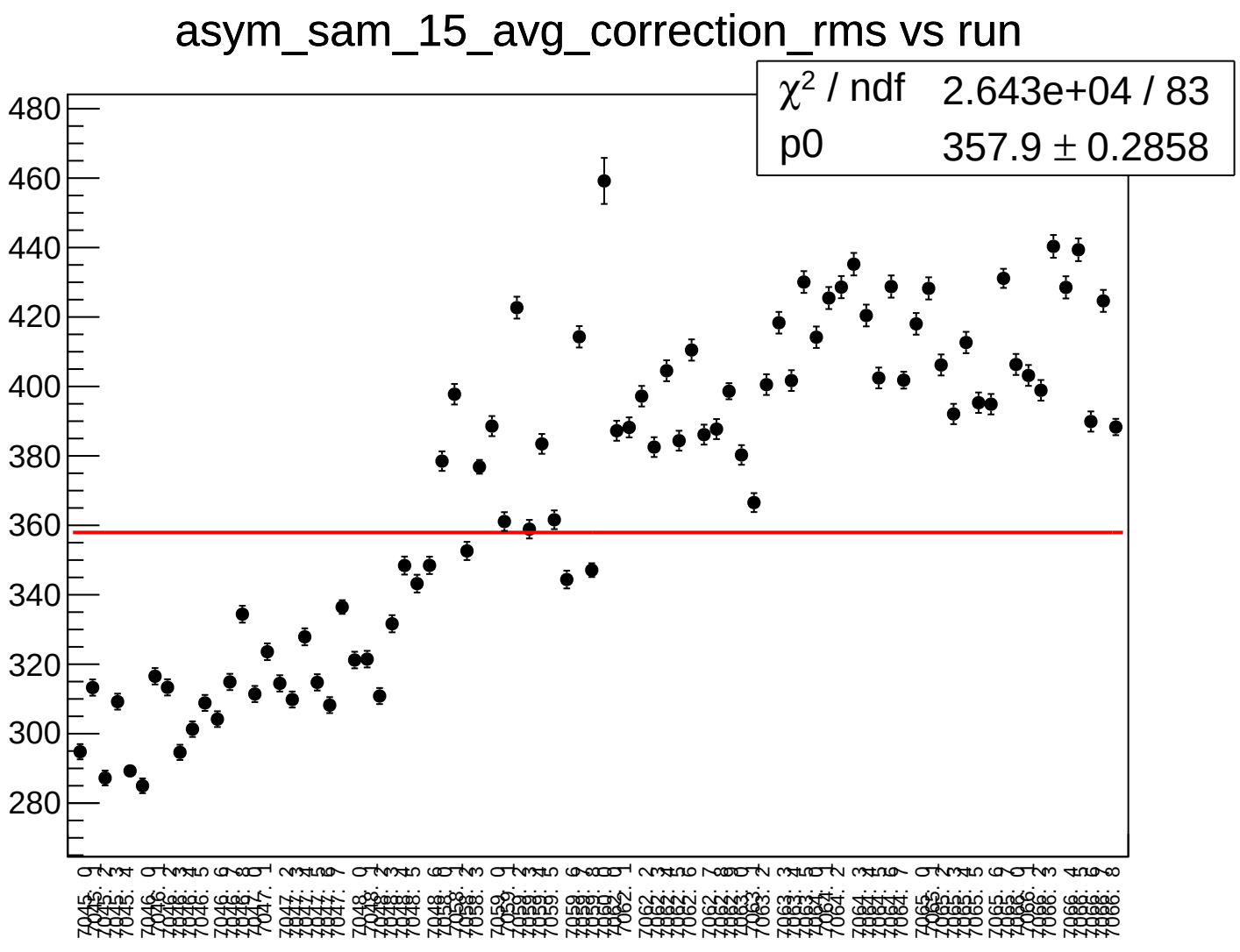

asym_sam8_rms vs run
χ^2 / ndf 4183 / 83
p0 254.8 ± 0.202
290
280
270
260
250
240
230

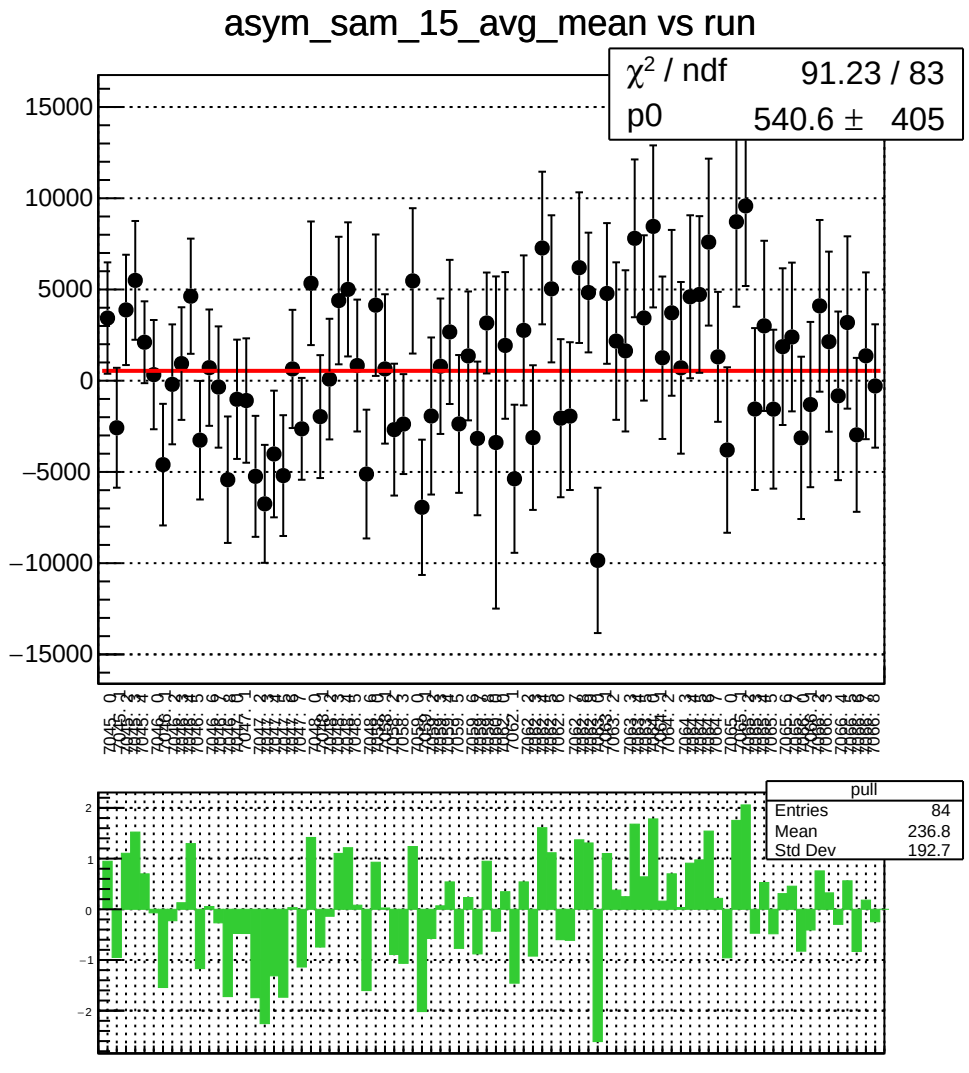

dit_asym_sam_15_avg_mean vs run
χ² / ndf 83.63 / 83
p0 111.6 ± 74.57
pull
Entries 84
Mean 694.2
Std Dev 635.1

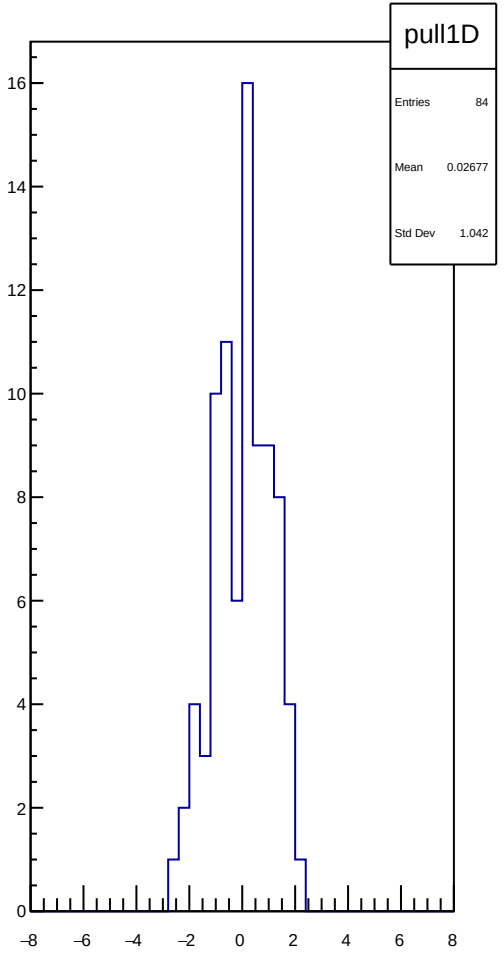

pull1D
Entries 84
Mean 0.003094
Std Dev 0.9978

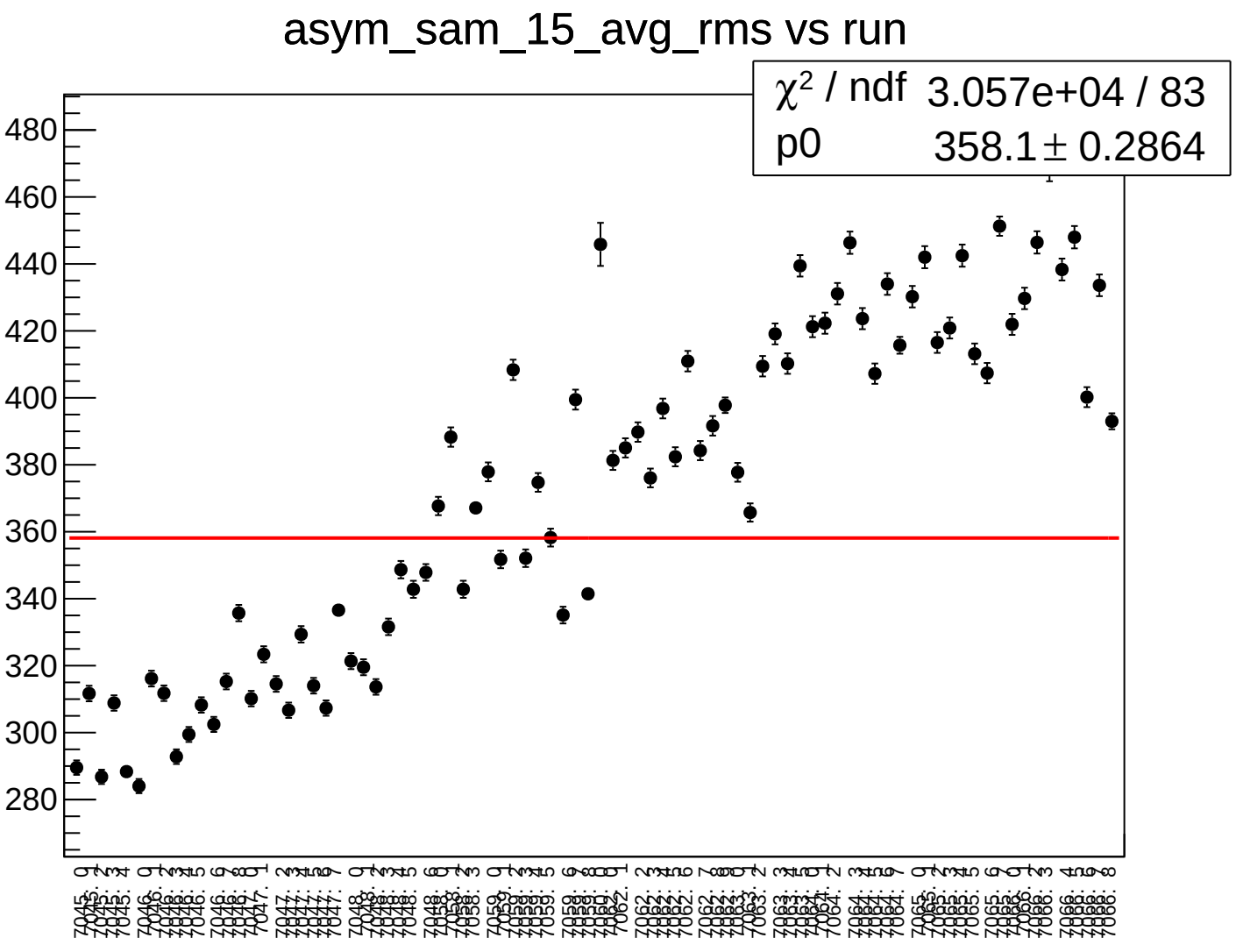

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 8438 / 83
p0 66.41 ± 0.05273
105
100
95
90
85
80
75
70
65
60

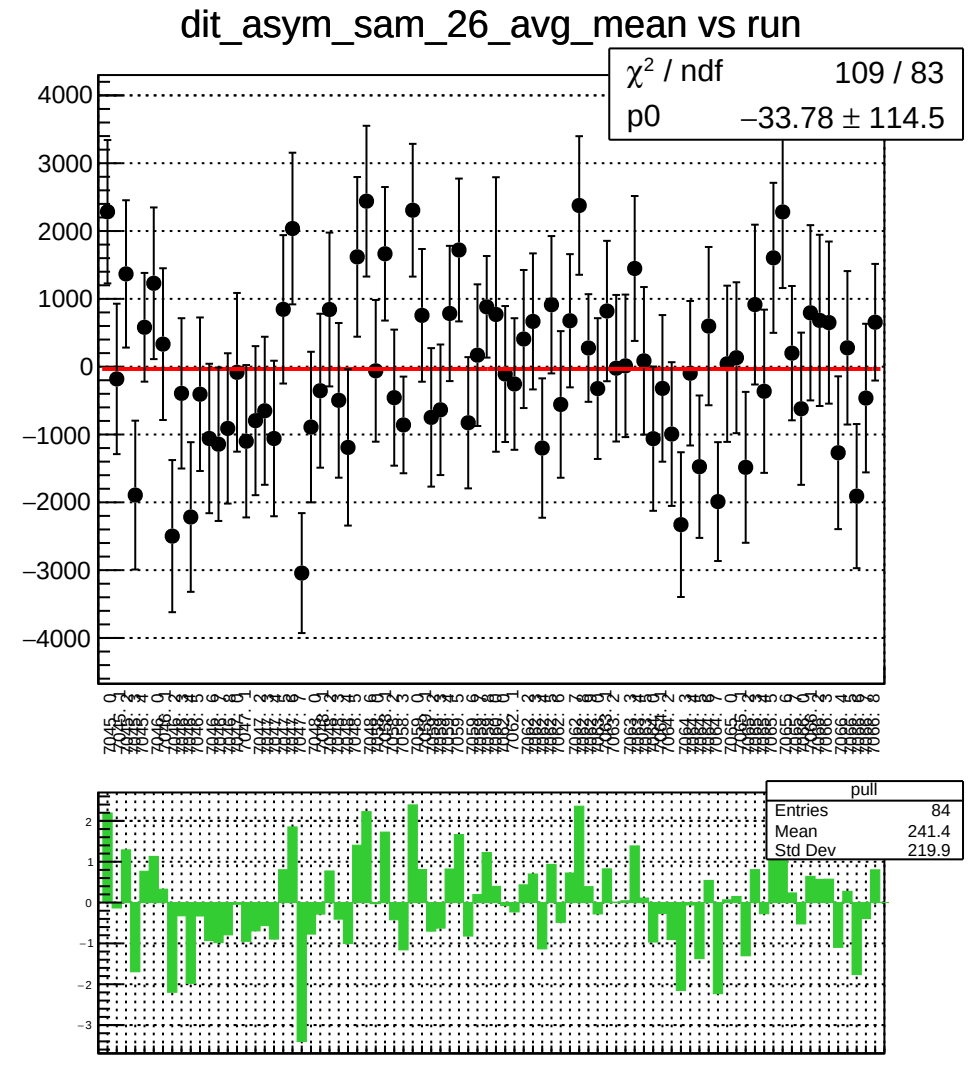

asym_sam_15_avg_correction_mean vs run
χ² / ndf 93.56 / 83
p0 −448.3 ± 404.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 248.1
Std Dev 205.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.02408
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

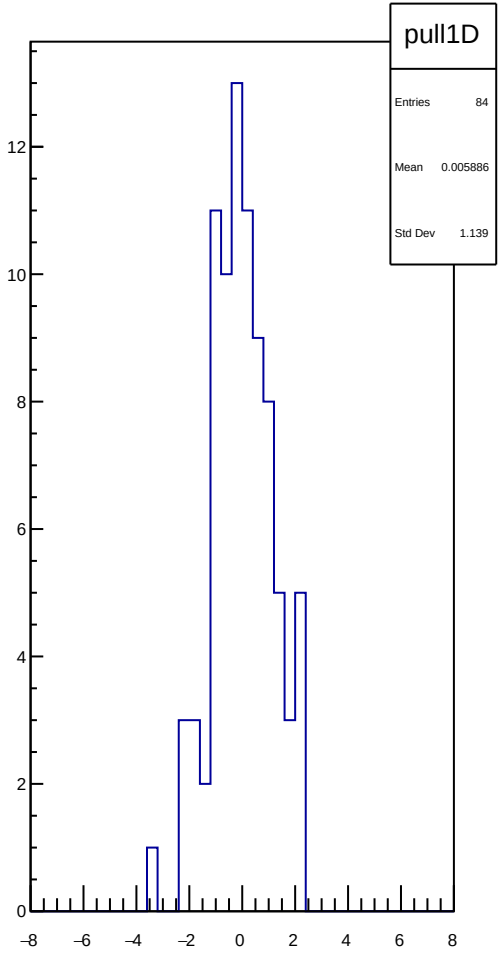

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2.643e+04 / 83
p0 357.9 ± 0.2858
480
460
440
420
400
380
360
340
320
300
280

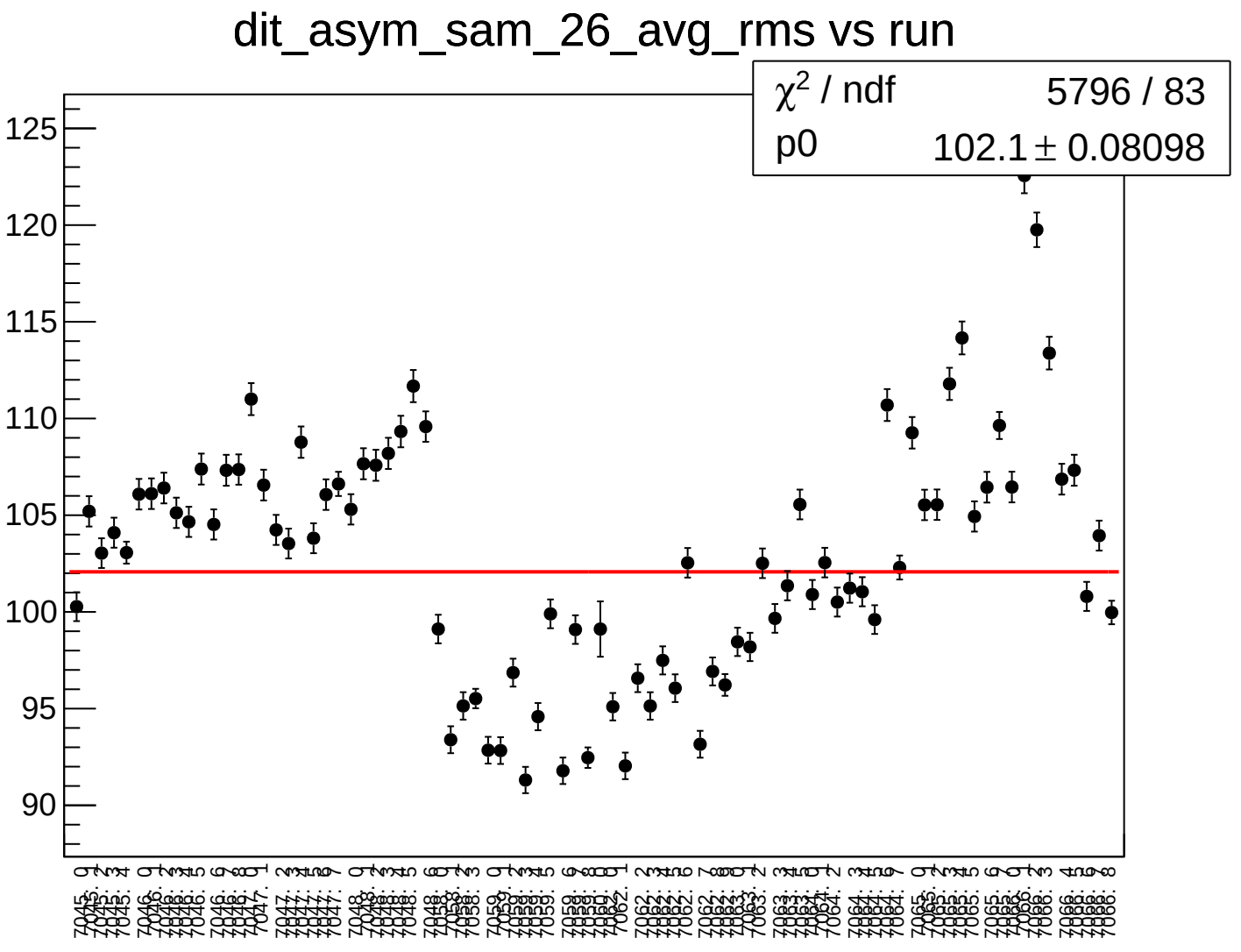

asym_sam_15_avg_mean vs run
χ² / ndf 91.23 / 83
p0 540.6 ± 405
pull
Entries 84
Mean 236.8
Std Dev 192.7

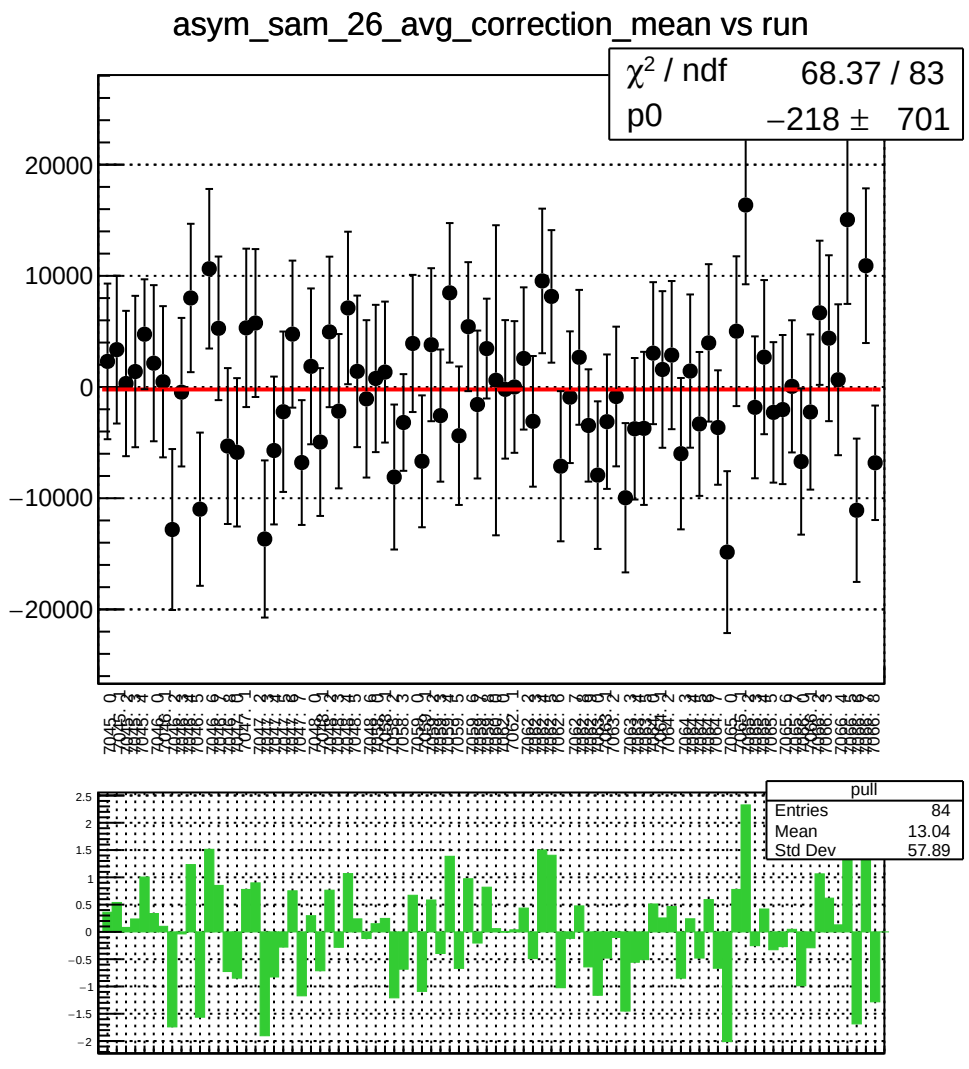

pull1D
Entries 84
Mean 0.02677
Std Dev 1.042

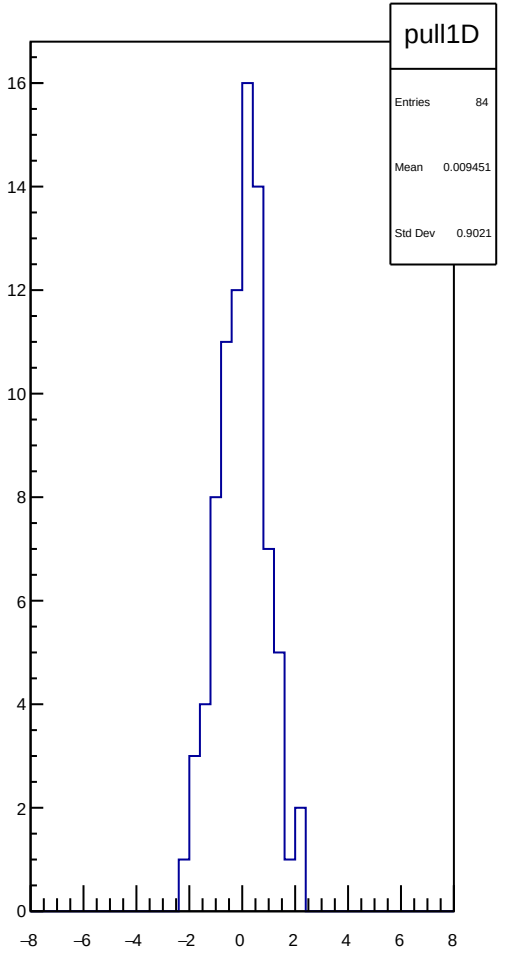

asym_sam_15_avg_rms vs run
χ² / ndf 3.057e+04 / 83
p0 358.1 ± 0.2864
480
460
440
420
400
380
360
340
320
300
280

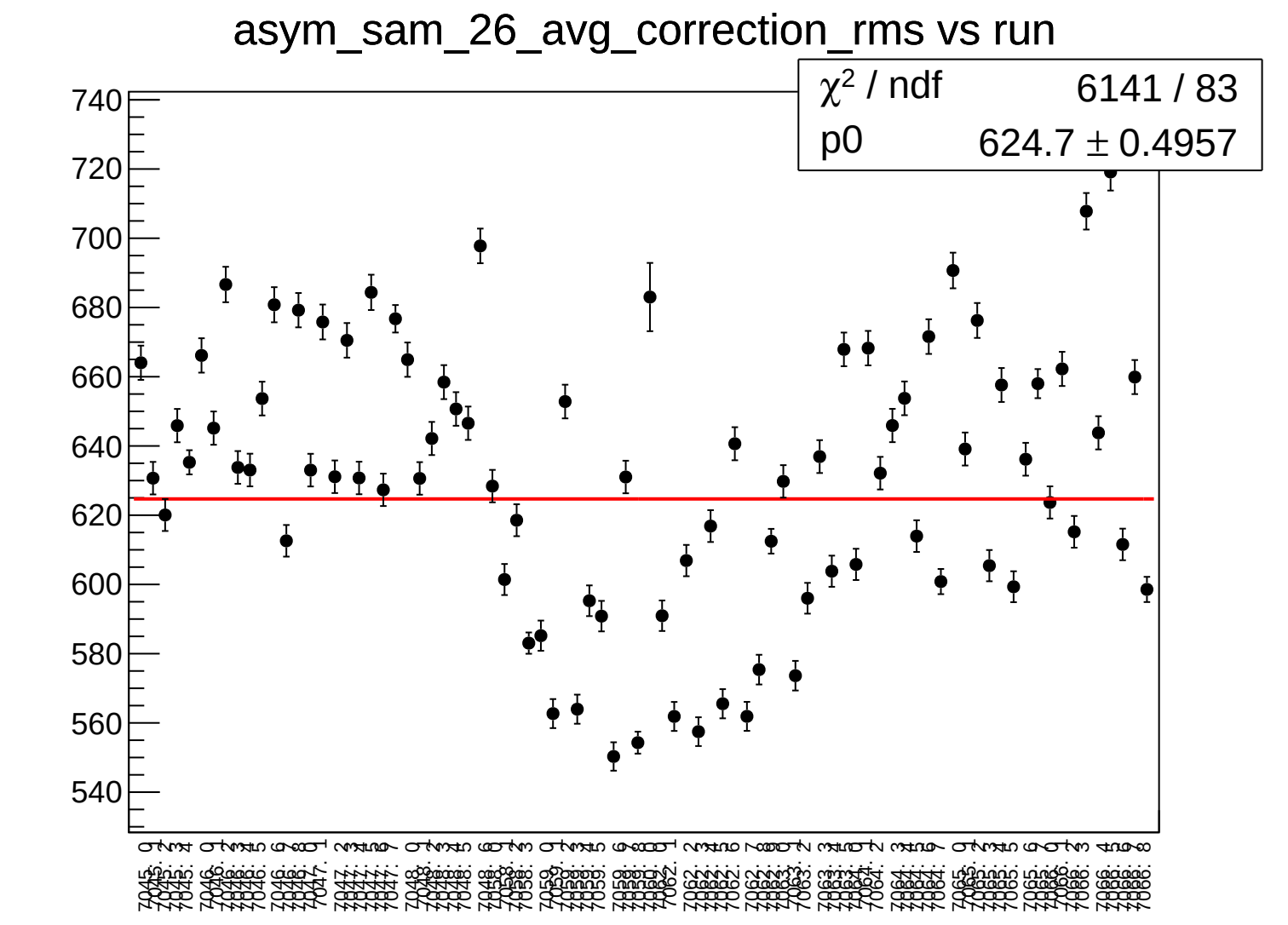

dit_asym_sam_26_avg_mean vs run
χ² / ndf 109 / 83
p0 −33.78 ± 114.5
pull
Entries 84
Mean 241.4
Std Dev 219.9

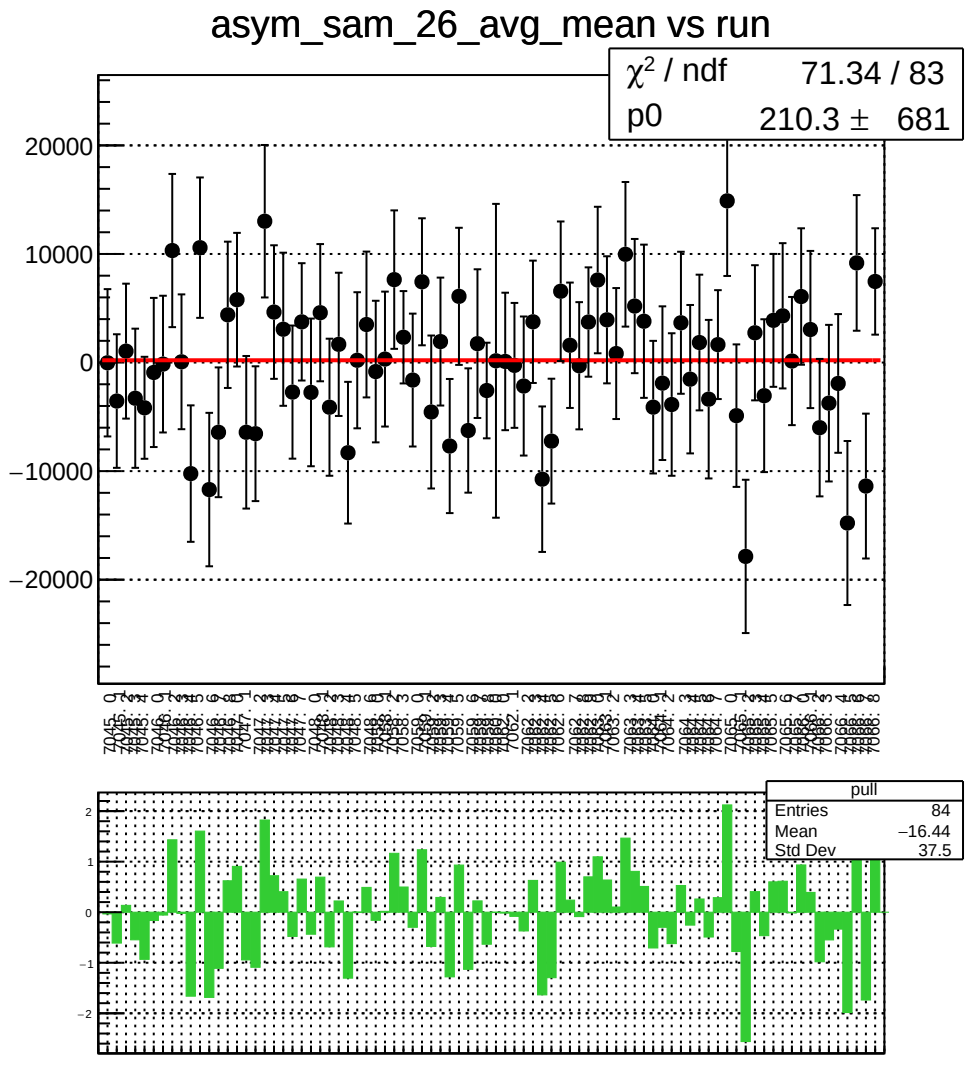

pull1D
Entries 84
Mean 0.005886
Std Dev 1.139

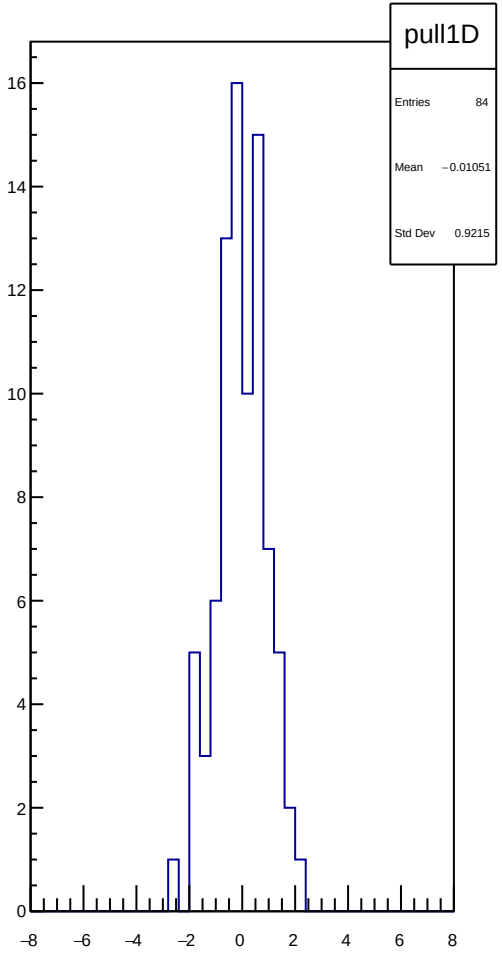

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 5796 / 83
p0 102.1 ± 0.08098
125
120
115
110
105
100
95
90

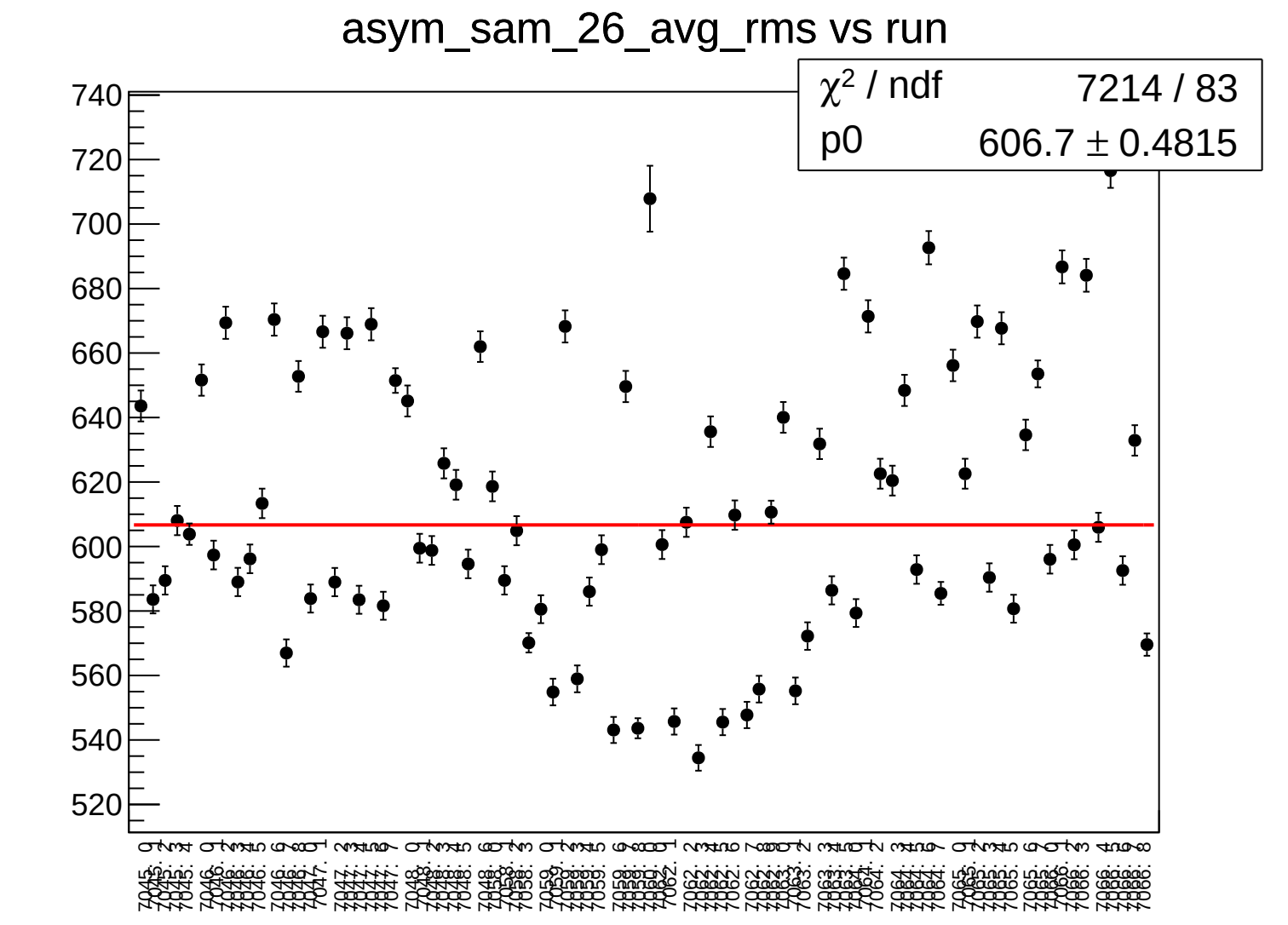

asym_sam_26_avg_correction_mean vs run
χ² / ndf 68.37 / 83
p0 −218 ± 701
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 13.04
Std Dev 57.89
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

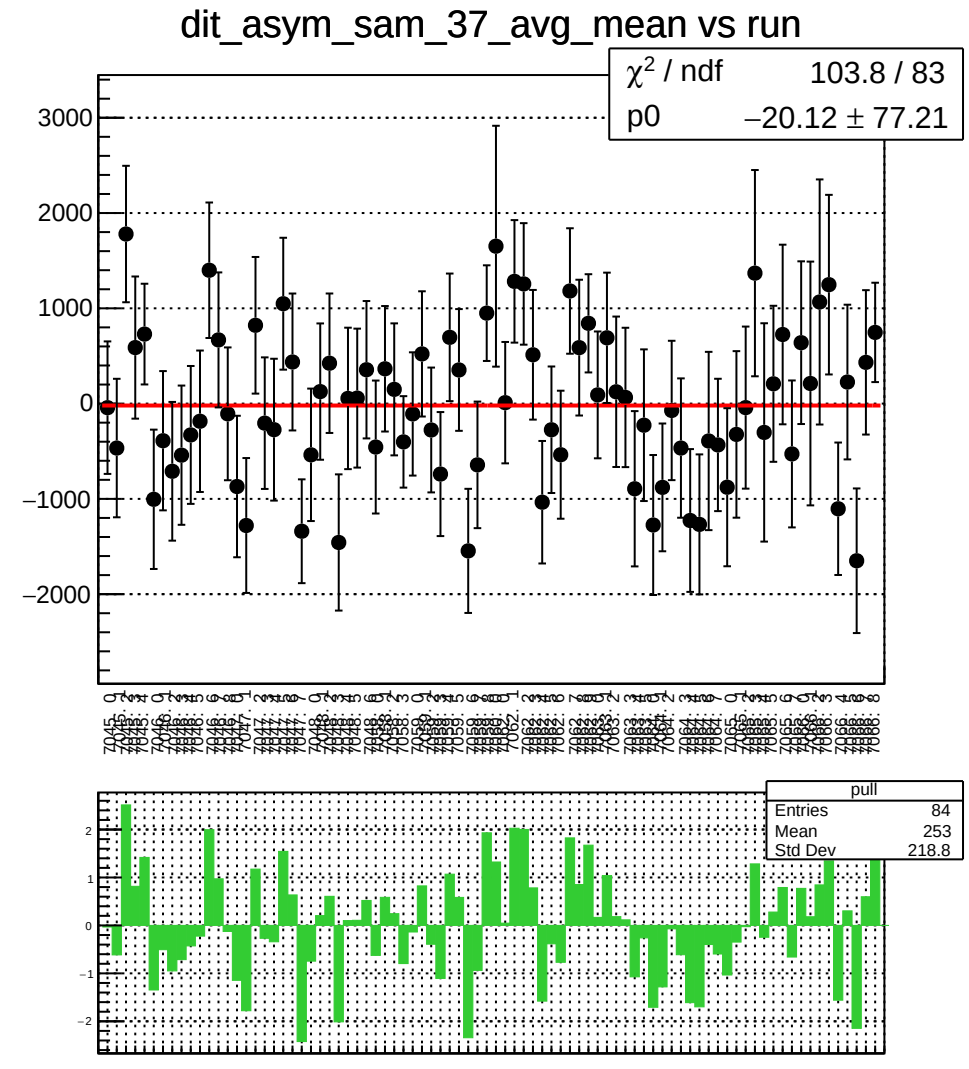

pull1D
Entries 84
Mean 0.009451
Std Dev 0.9021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

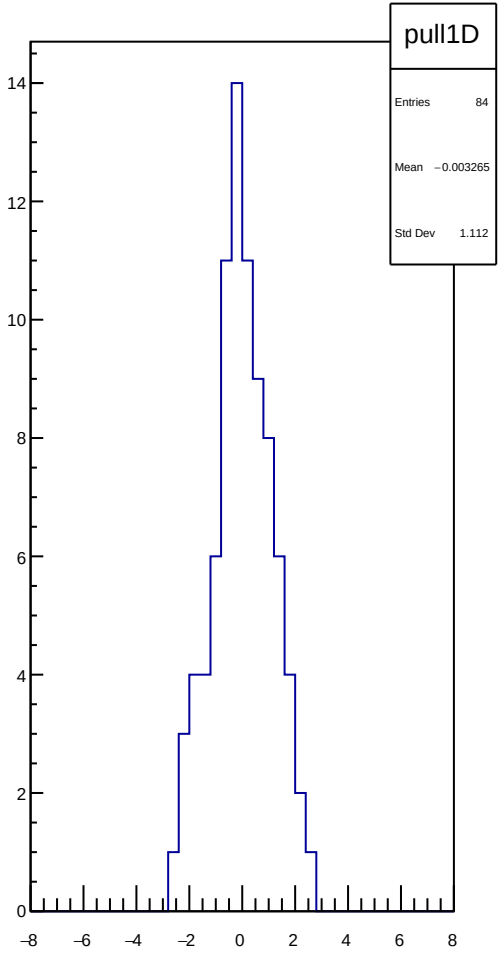

asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 6141 / 83
p0 624.7 ± 0.4957
740
720
700
680
660
640
620
600
580
560
540

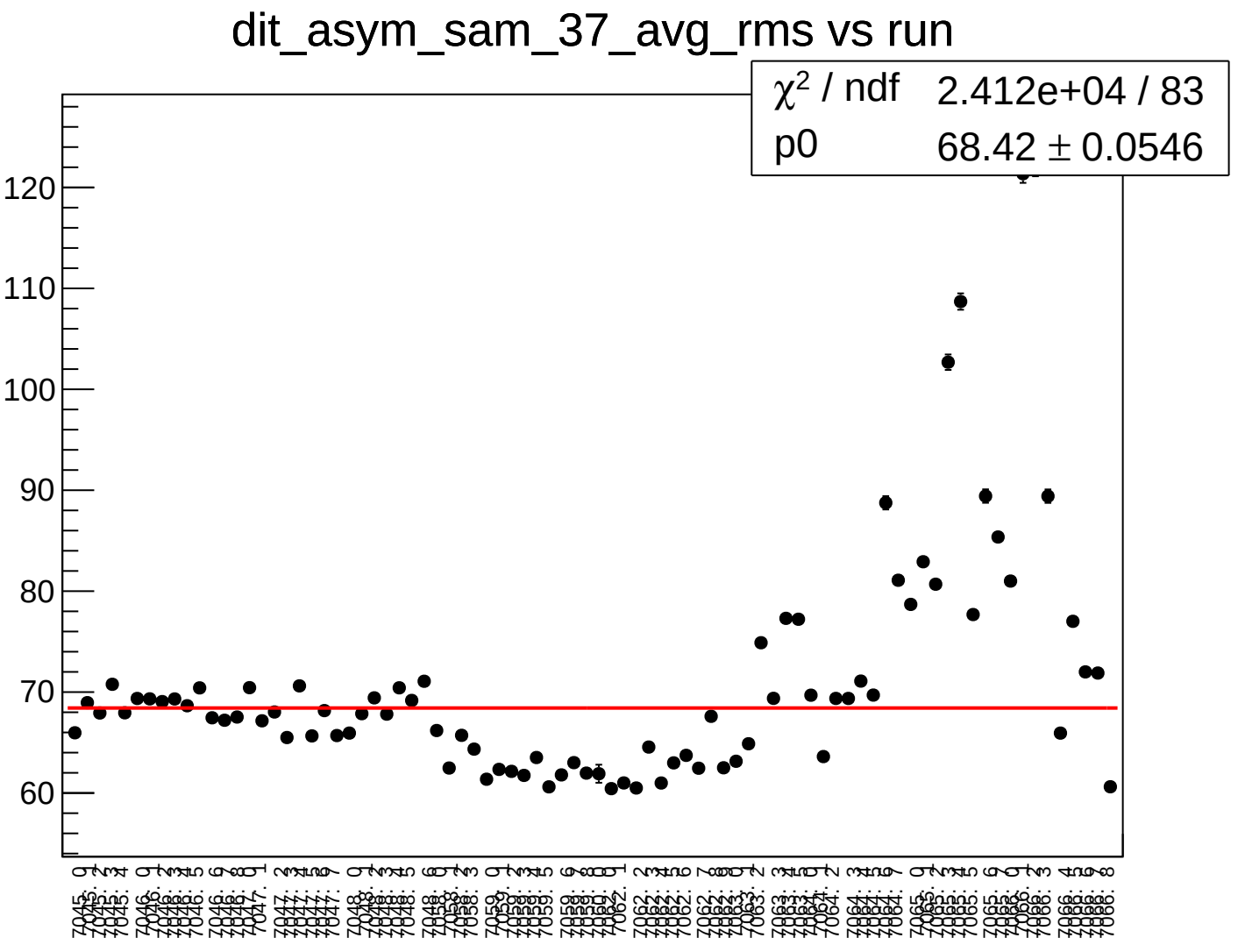

asym_sam_26_avg_mean vs run
χ² / ndf 71.34 / 83
p0 210.3 ± 681
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −16.44
Std Dev 37.5
2
1
0
−1
−2

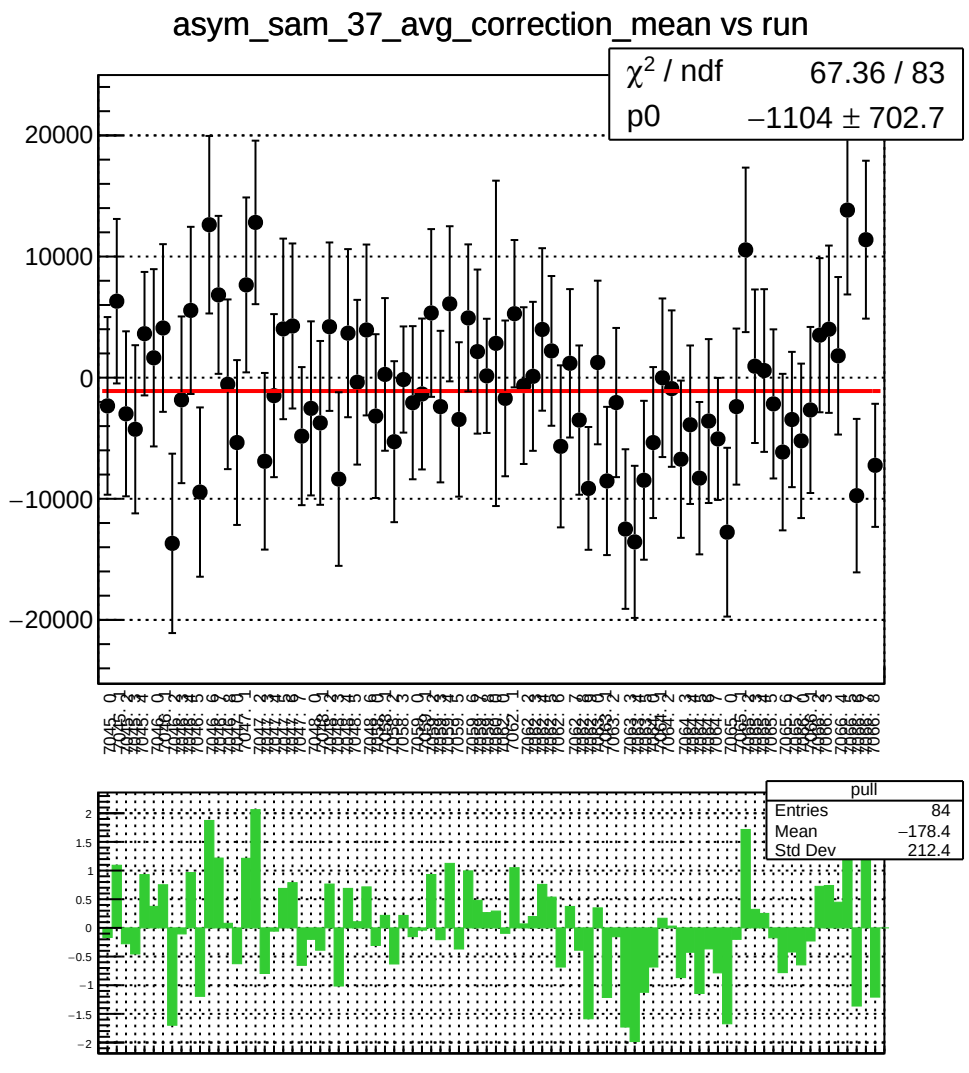

pull1D
Entries 84
Mean −0.01051
Std Dev 0.9215
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

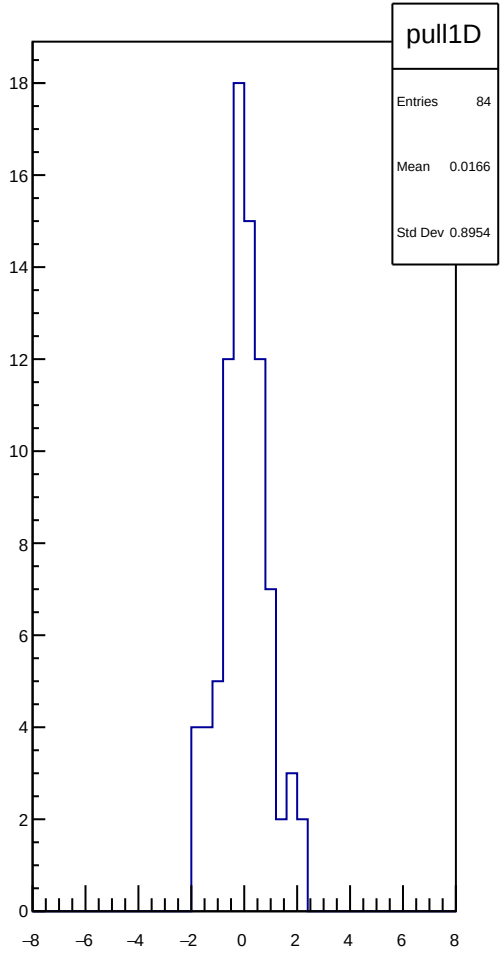

asym_sam_26_avg_rms vs run
χ^2 / ndf 7214 / 83
p0 606.7 ± 0.4815
740
720
700
680
660
640
620
600
580
560
540
520

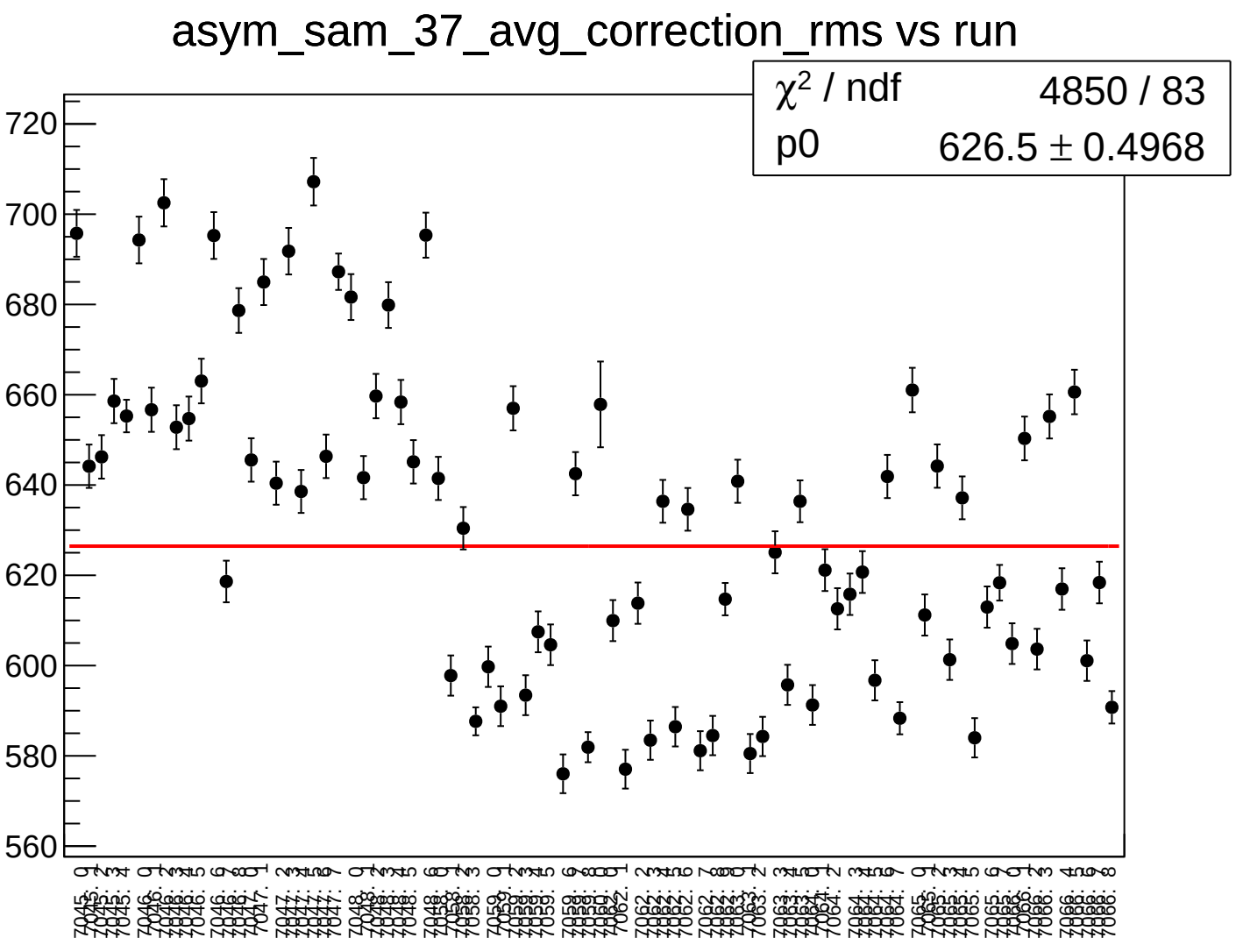

dit_asym_sam_37_avg_mean vs run
χ² / ndf 103.8 / 83
p0 −20.12 ± 77.21
3000
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 253
Std Dev 218.8
2
1
0
−1
−2

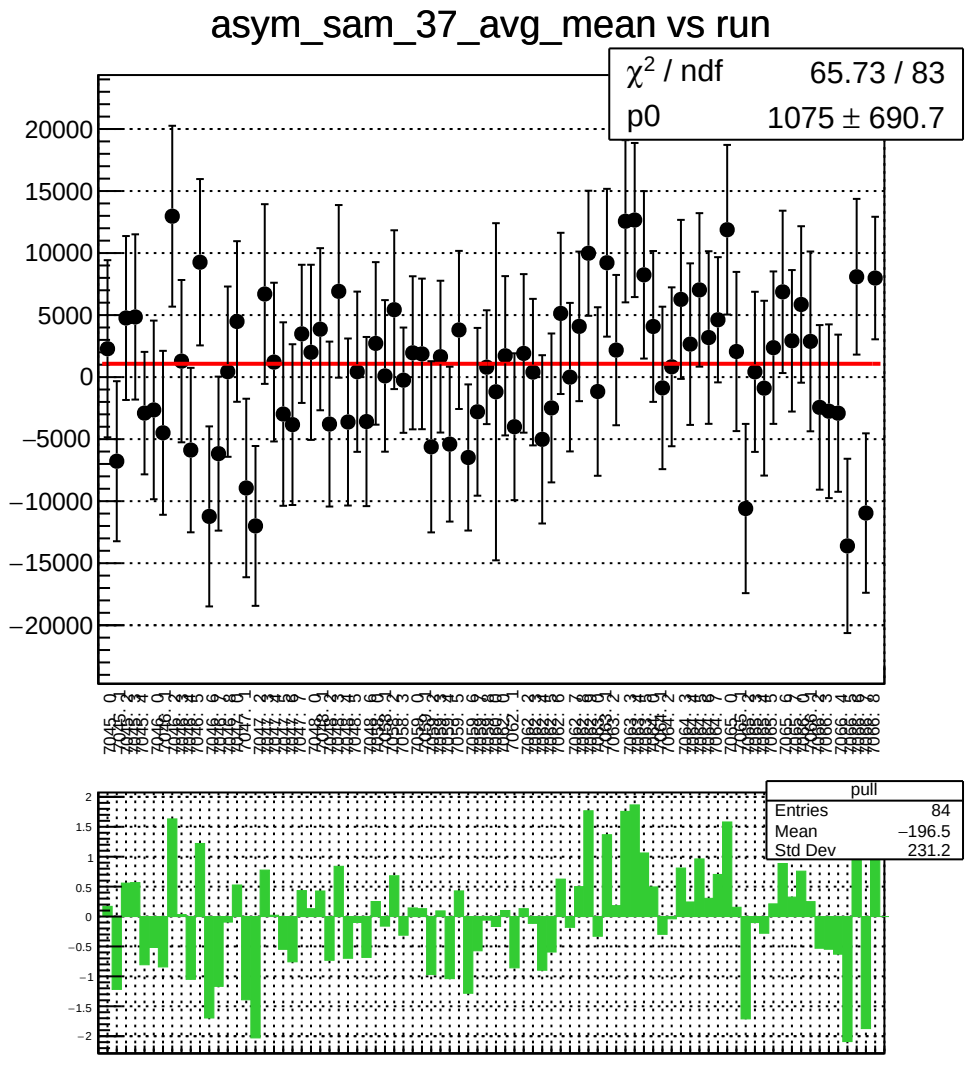

pull1D
Entries 84
Mean −0.003265
Std Dev 1.112
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

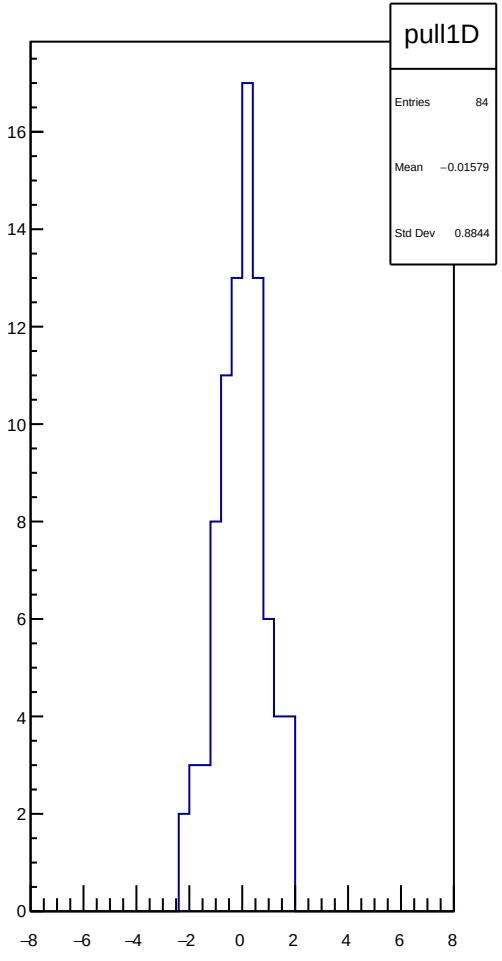

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.412e+04 / 83
p0 68.42 ± 0.0546
120
110
100
90
80
70
60

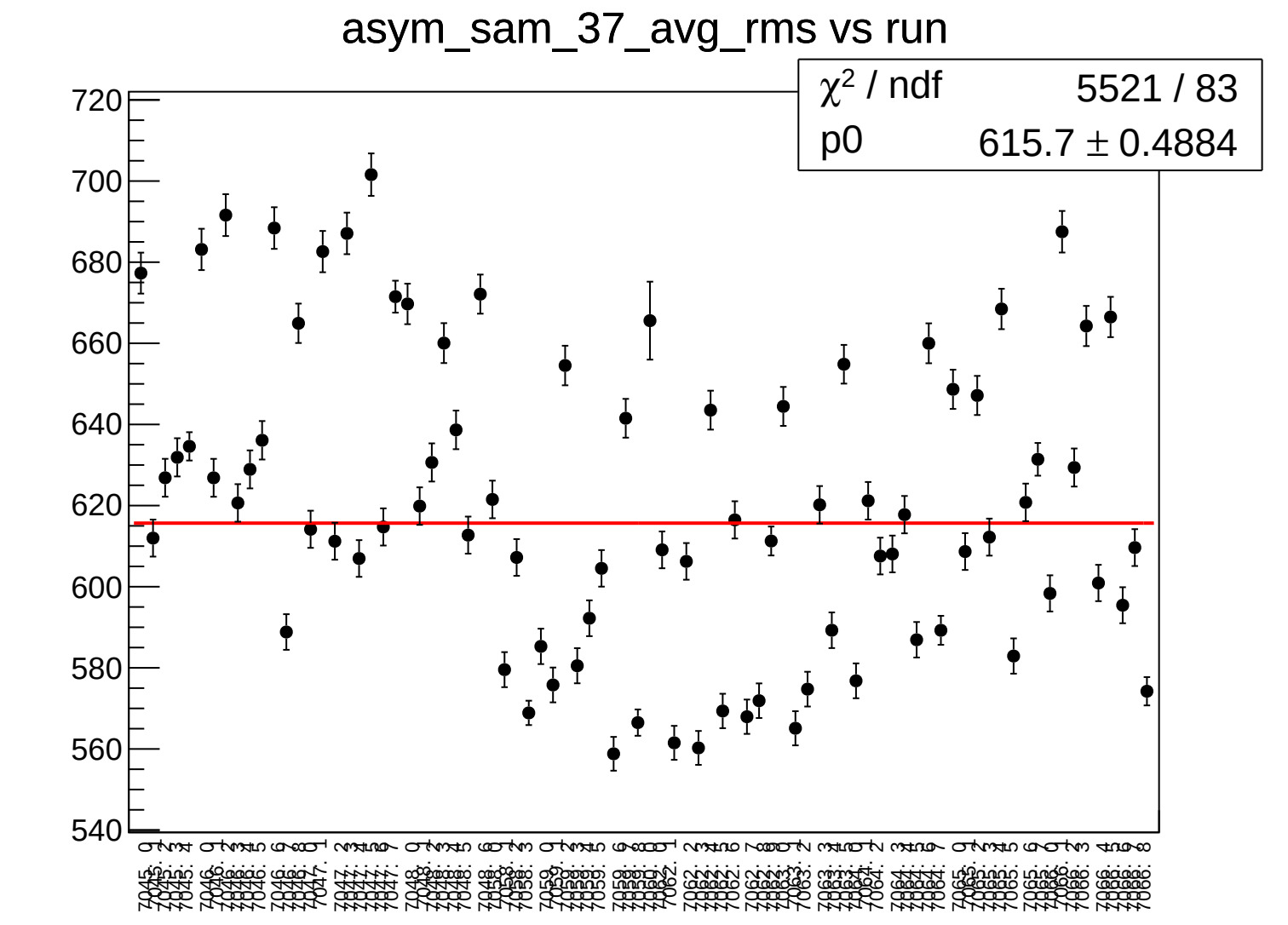

asym_sam_37_avg_correction_mean vs run
χ² / ndf 67.36 / 83
p0 −1104 ± 702.7
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −178.4
Std Dev 212.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

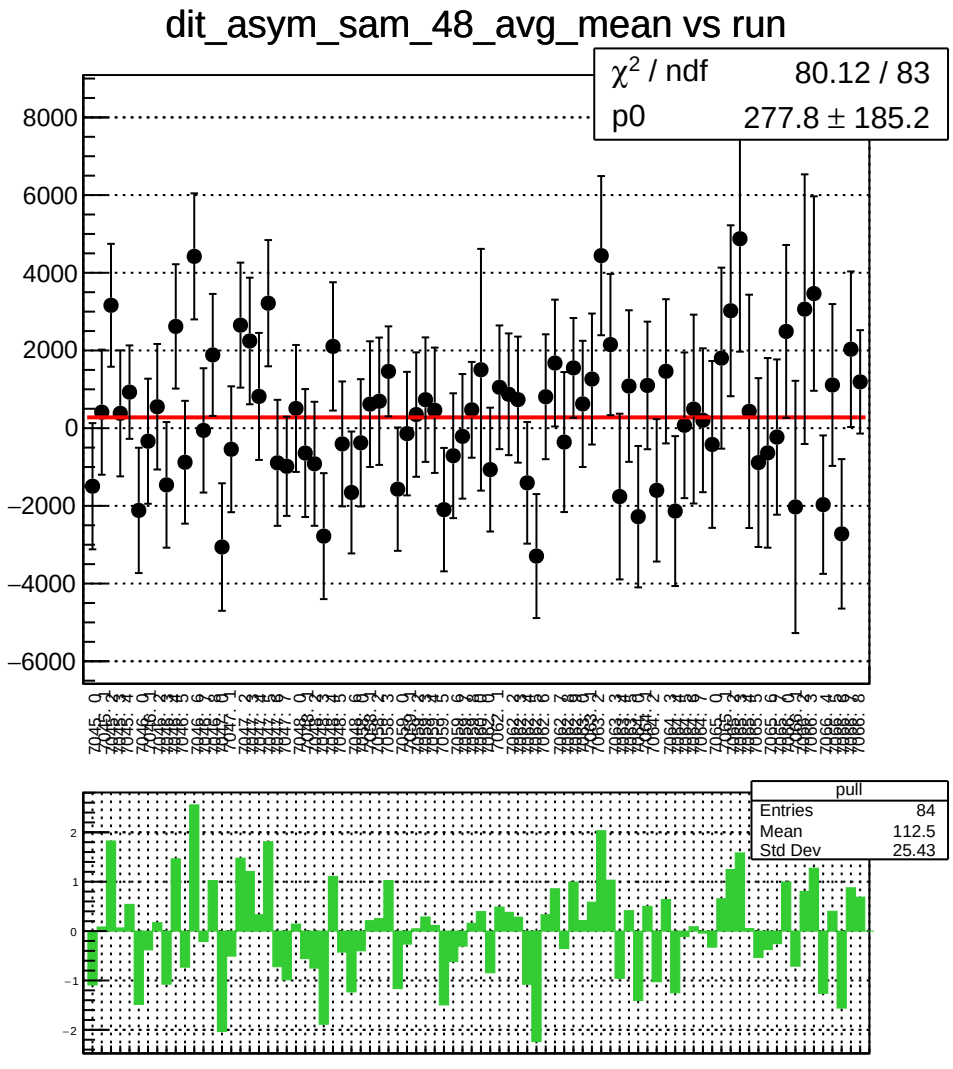

pull1D
Entries 84
Mean 0.0166
Std Dev 0.8954
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

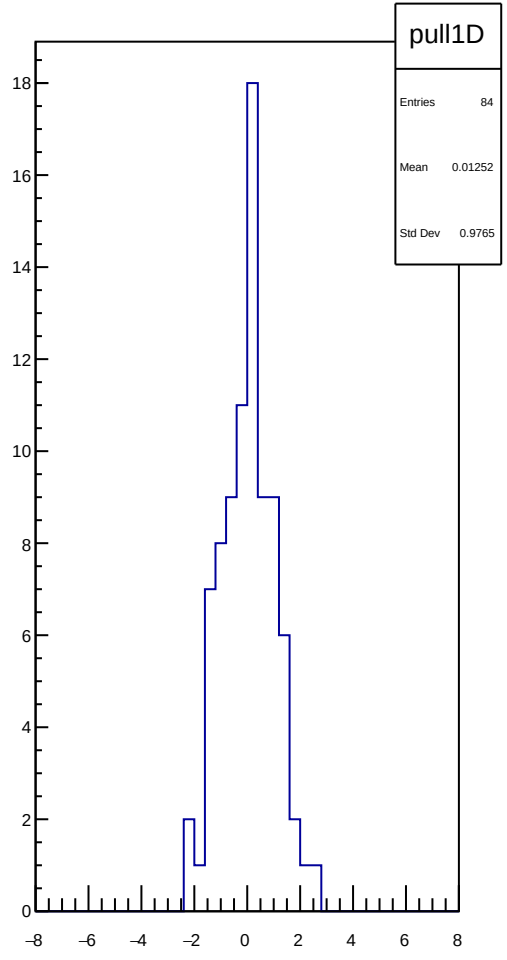

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4850 / 83
p0 626.5 ± 0.4968
720
700
680
660
640
620
600
580
560

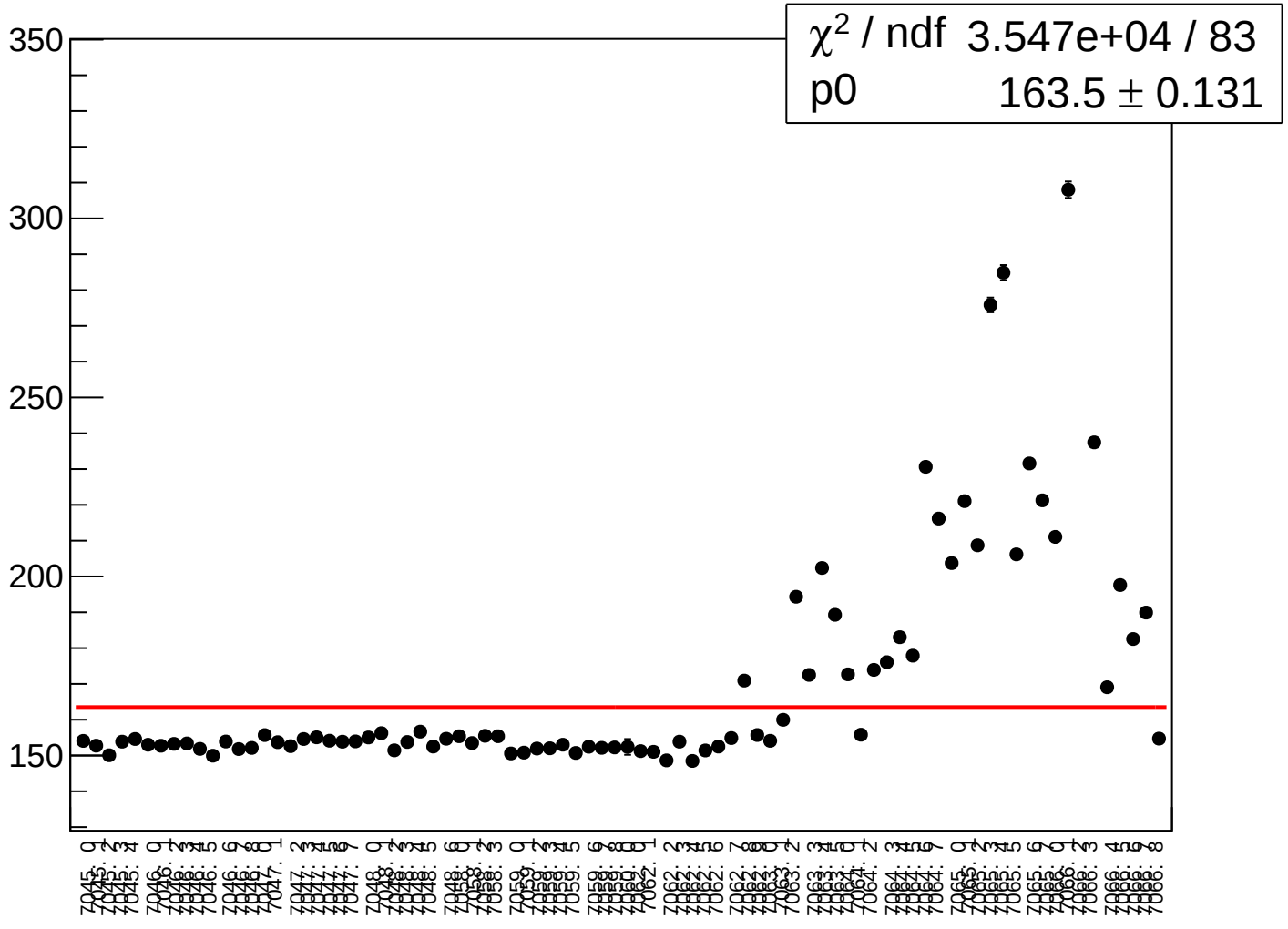

asym_sam_37_avg_mean vs run
χ² / ndf 65.73 / 83
p0 1075 ± 690.7
pull
Entries 84
Mean −196.5
Std Dev 231.2

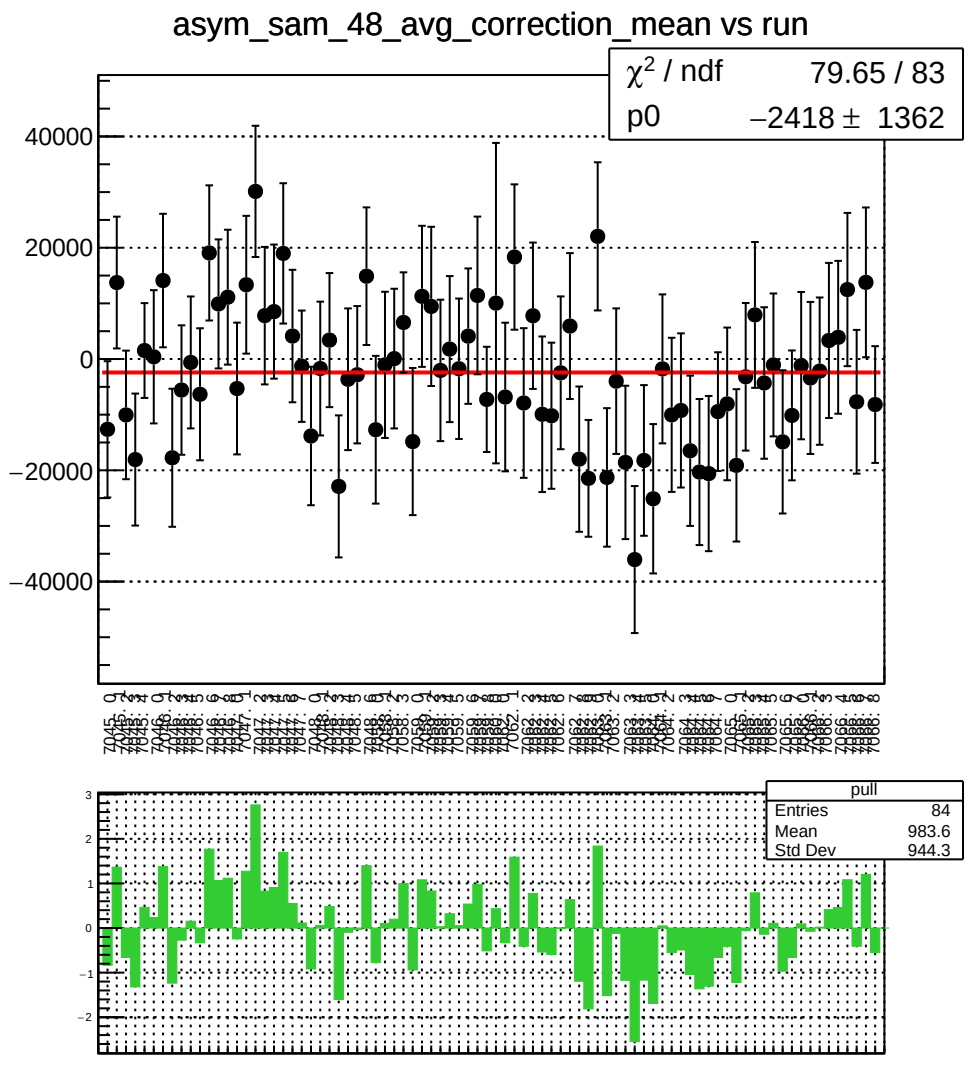

pull1D
Entries 84
Mean −0.01579
Std Dev 0.8844

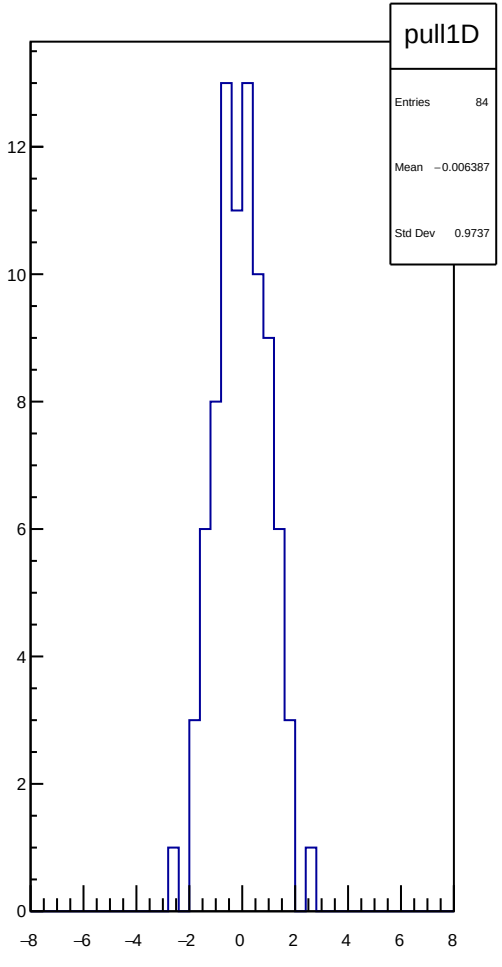

asym_sam_37_avg_rms vs run
χ² / ndf 5521 / 83
p0 615.7 ± 0.4884
720
700
680
660
640
620
600
580
560
540

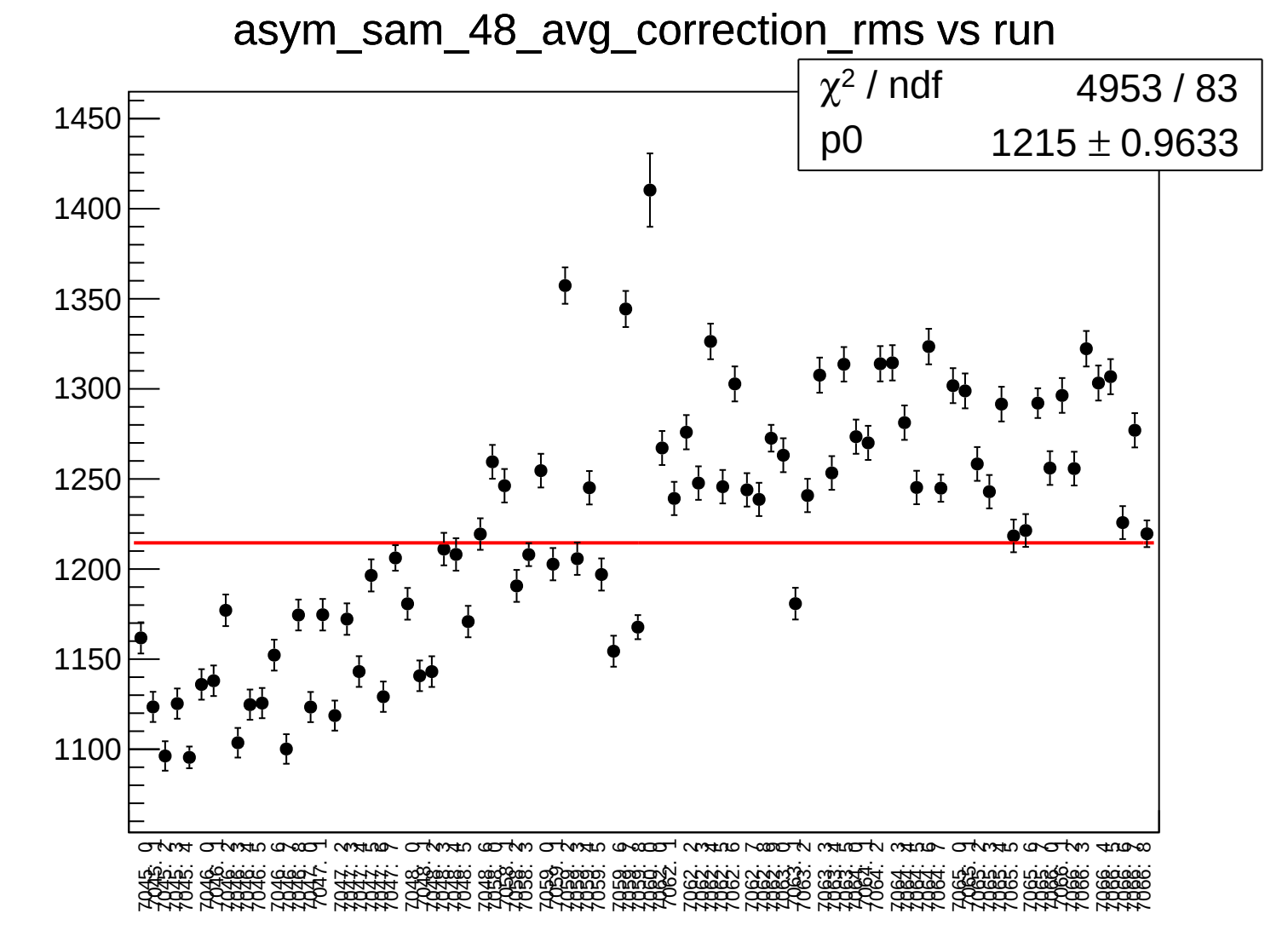

dit_asym_sam_48_avg_mean vs run
χ² / ndf 80.12 / 83
p0 277.8 ± 185.2
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 112.5
Std Dev 25.43
2
1
0
−1
−2

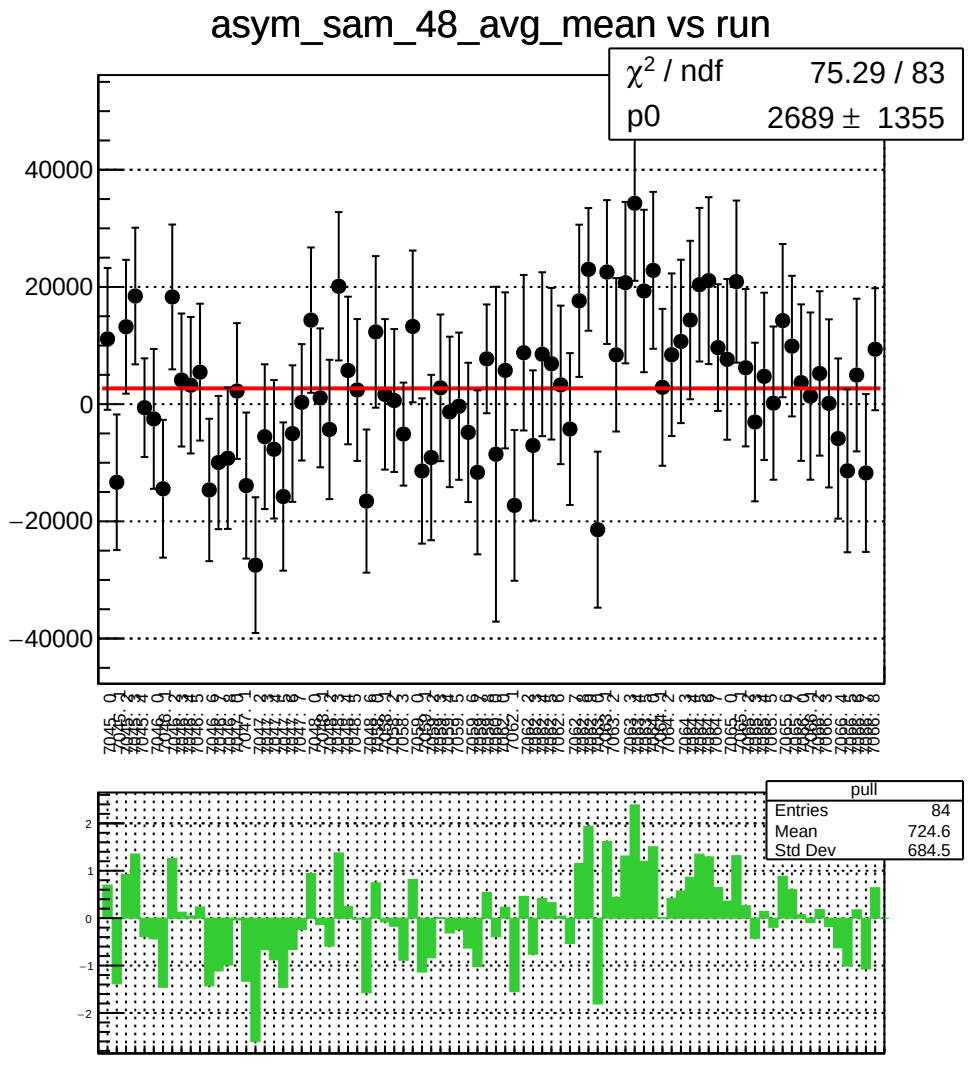

pull1D
Entries 84
Mean 0.01252
Std Dev 0.9765
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

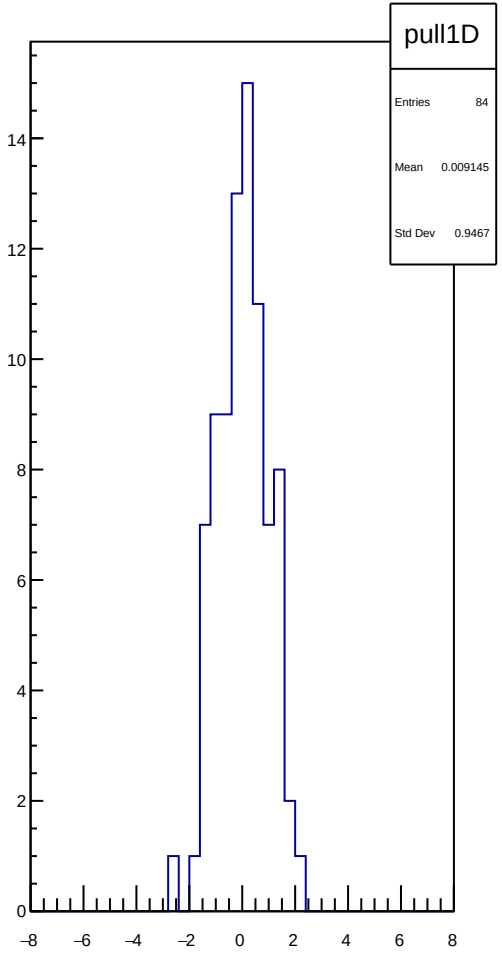

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 3.547e+04 / 83
p0 163.5 ± 0.131
350
300
250
200
150

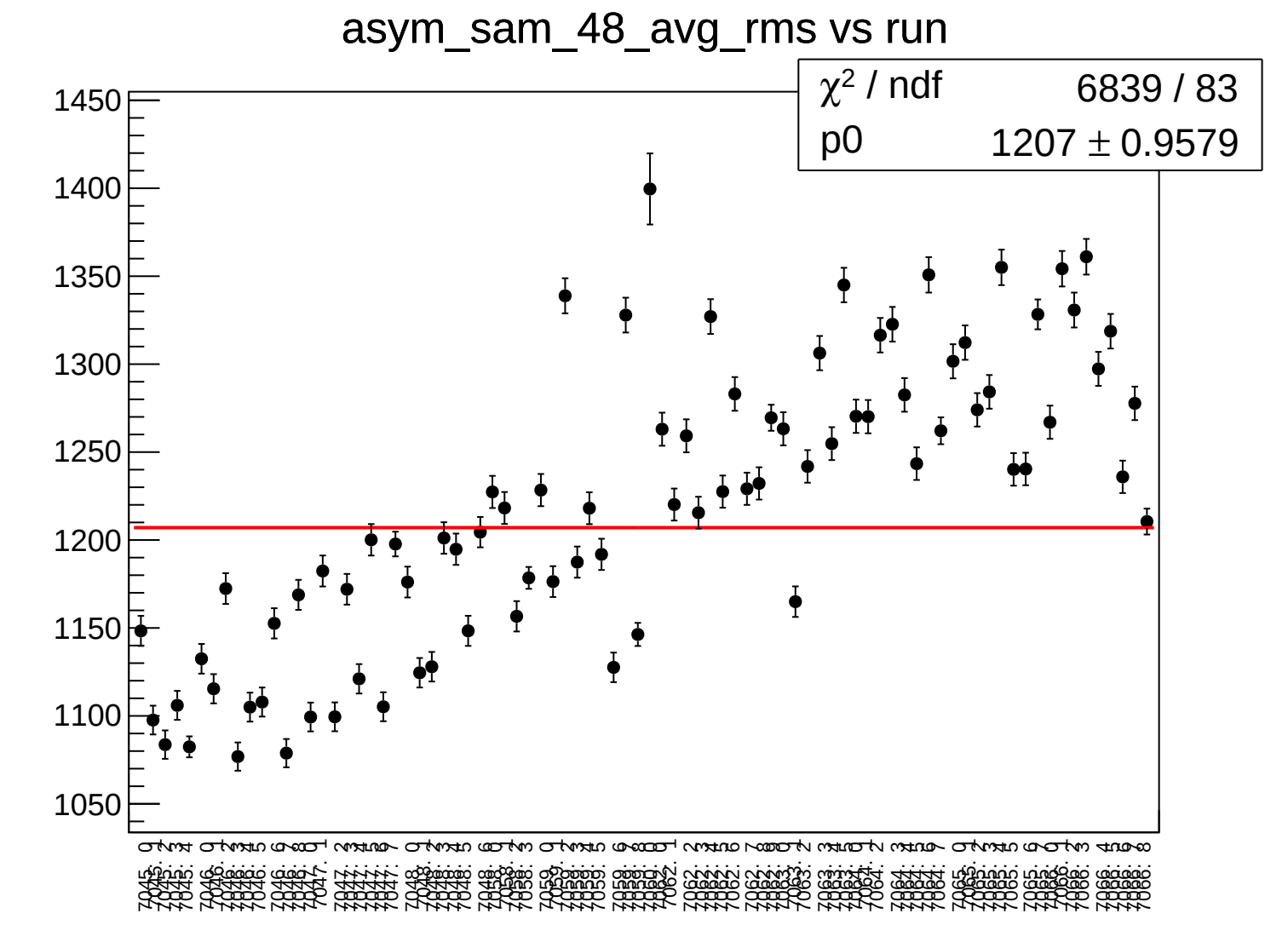

asym_sam_48_avg_correction_mean vs run
χ² / ndf 79.65 / 83
p0 −2418 ± 1362
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 983.6
Std Dev 944.3
3
2
1
0
−1
−2

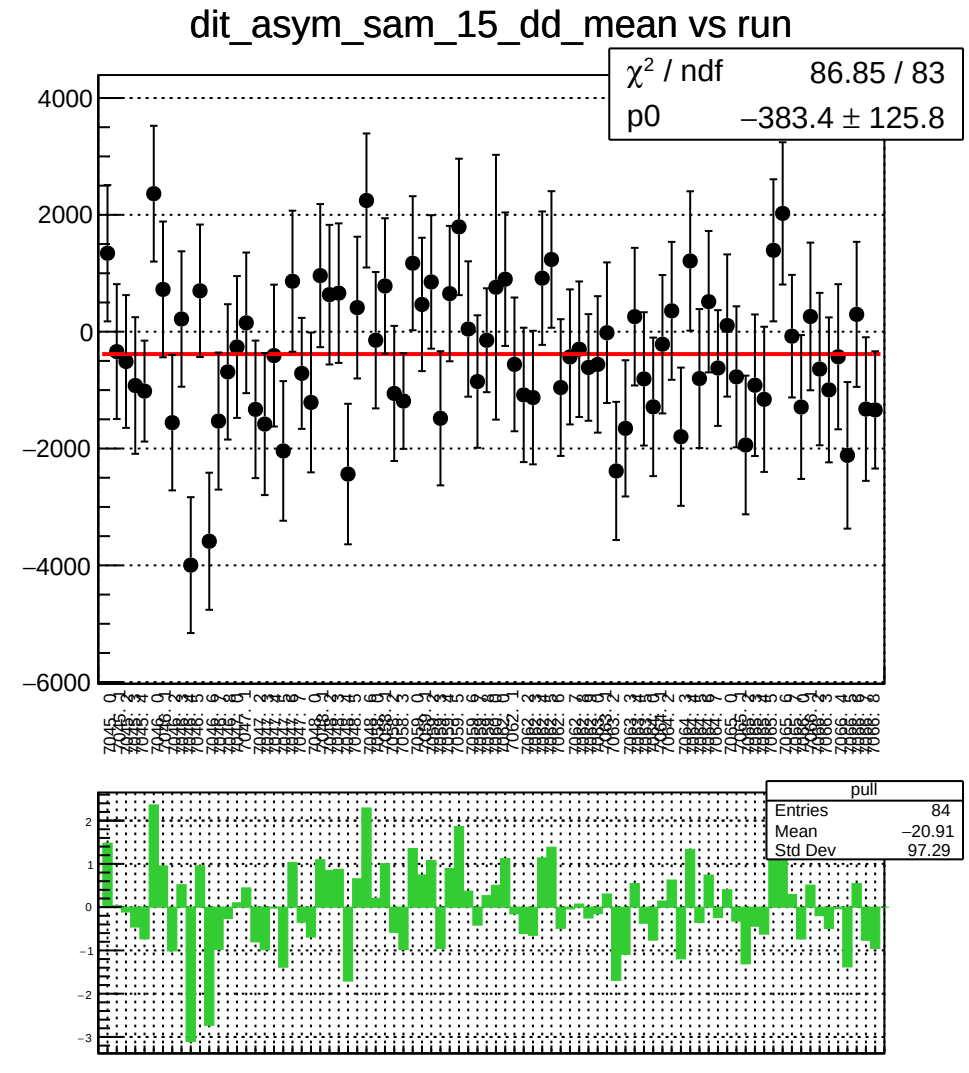

pull1D
Entries 84
Mean −0.006387
Std Dev 0.9737
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

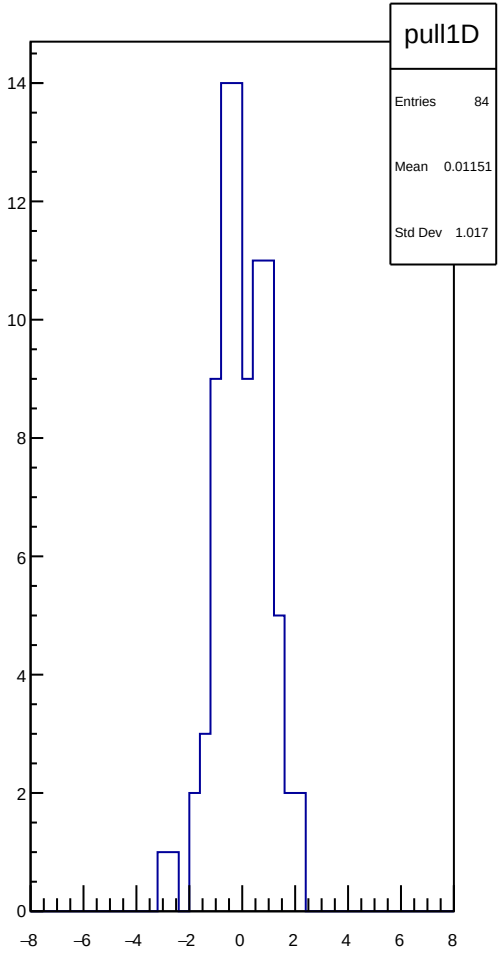

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4953 / 83
p0 1215 ± 0.9633
1450
1400
1350
1300
1250
1200
1150
1100

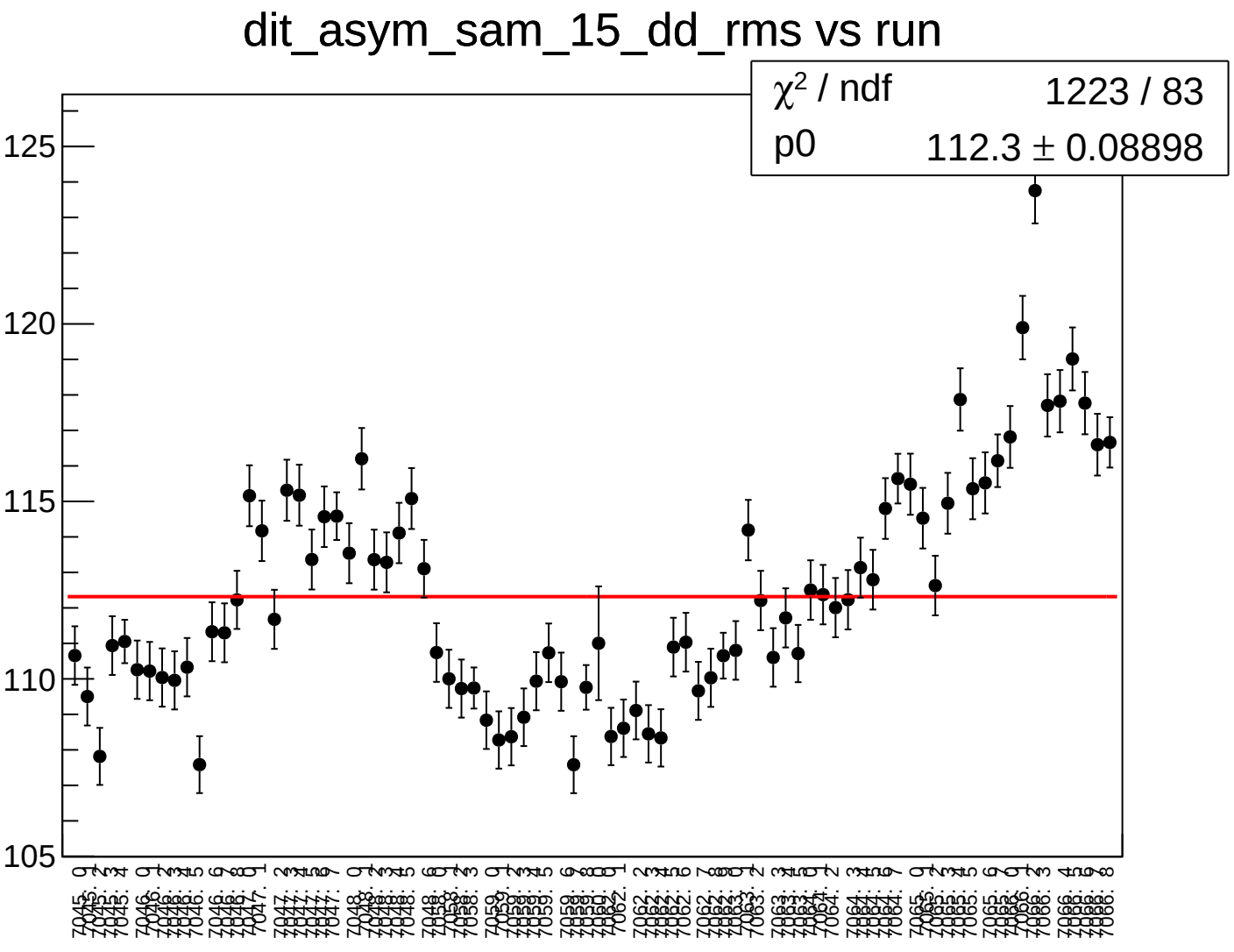

asym_sam_48_avg_mean vs run
χ² / ndf 75.29 / 83
p0 2689 ± 1355
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 724.6
Std Dev 684.5
2
1
0
−1
−2

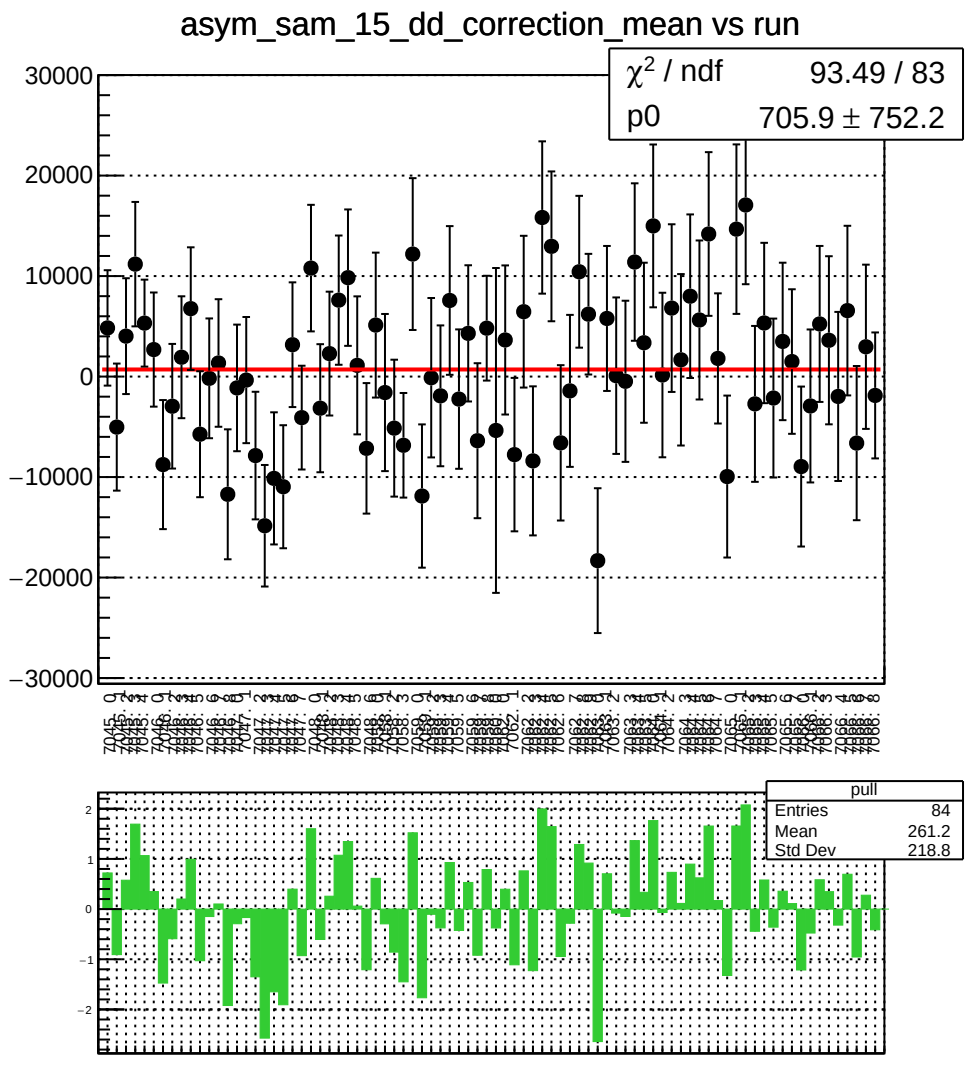

pull1D
Entries 84
Mean 0.009145
Std Dev 0.9467
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

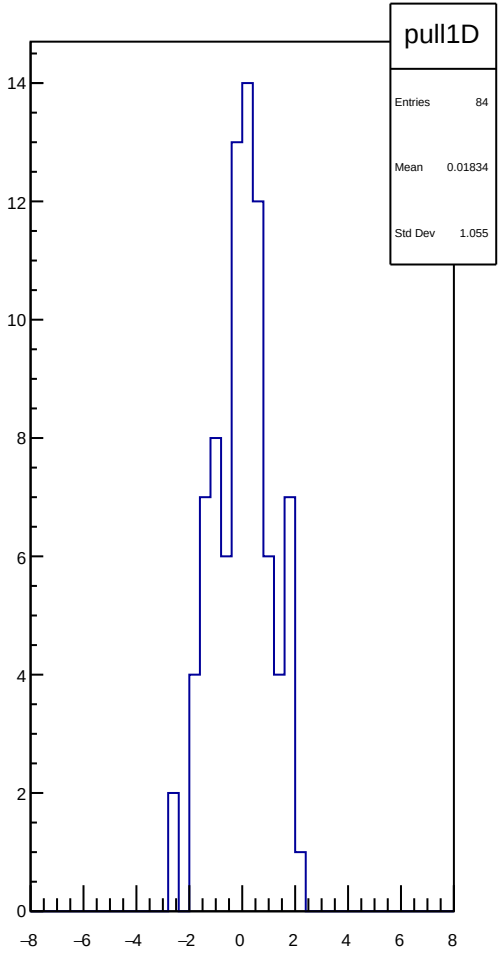

asym_sam_48_avg_rms vs run
χ² / ndf 6839 / 83
p0 1207 ± 0.9579
1450
1400
1350
1300
1250
1200
1150
1100
1050

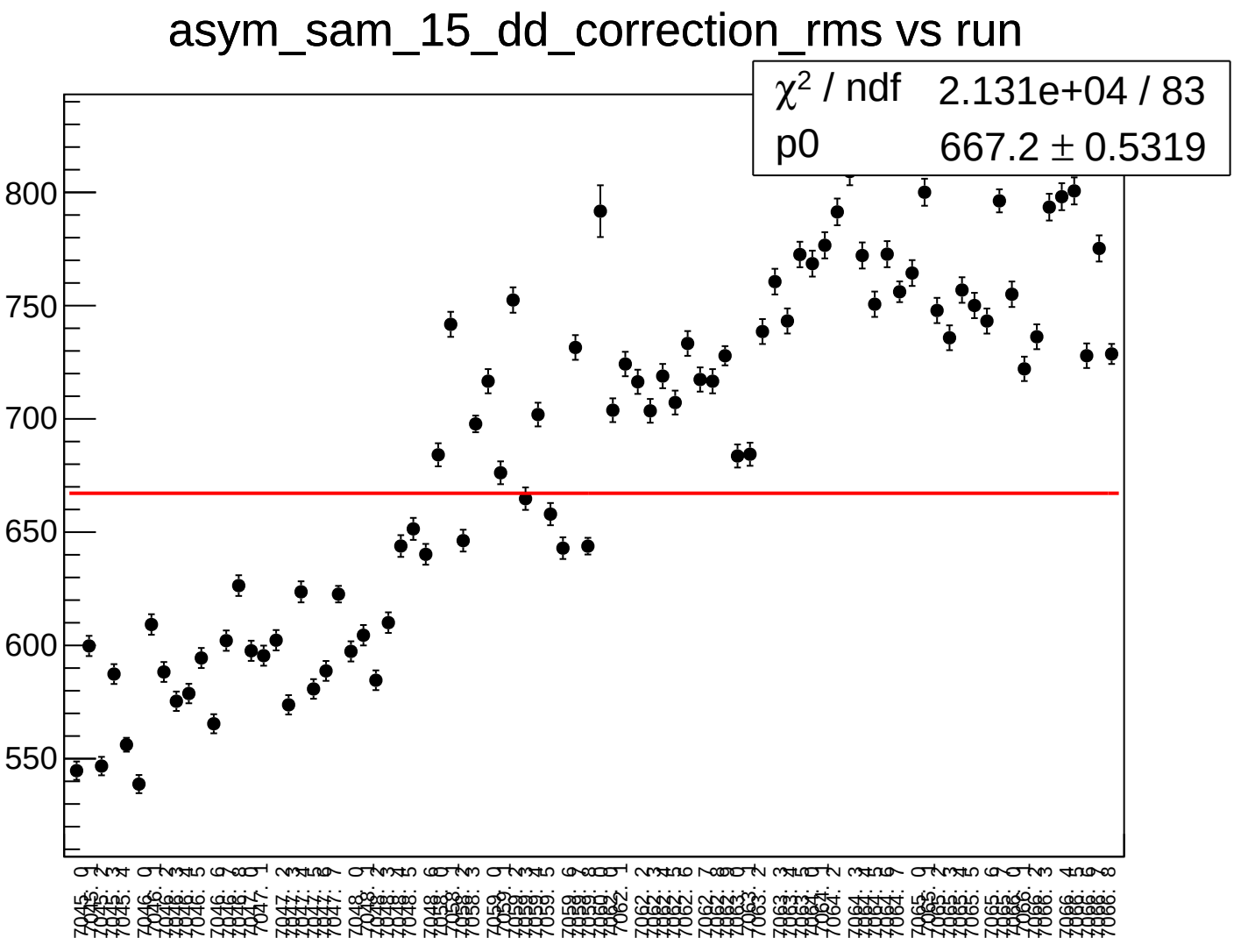

dit_asym_sam_15_dd_mean vs run
χ² / ndf 86.85 / 83
p0 −383.4 ± 125.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −20.91
Std Dev 97.29
2
1
0
−1
−2
−3

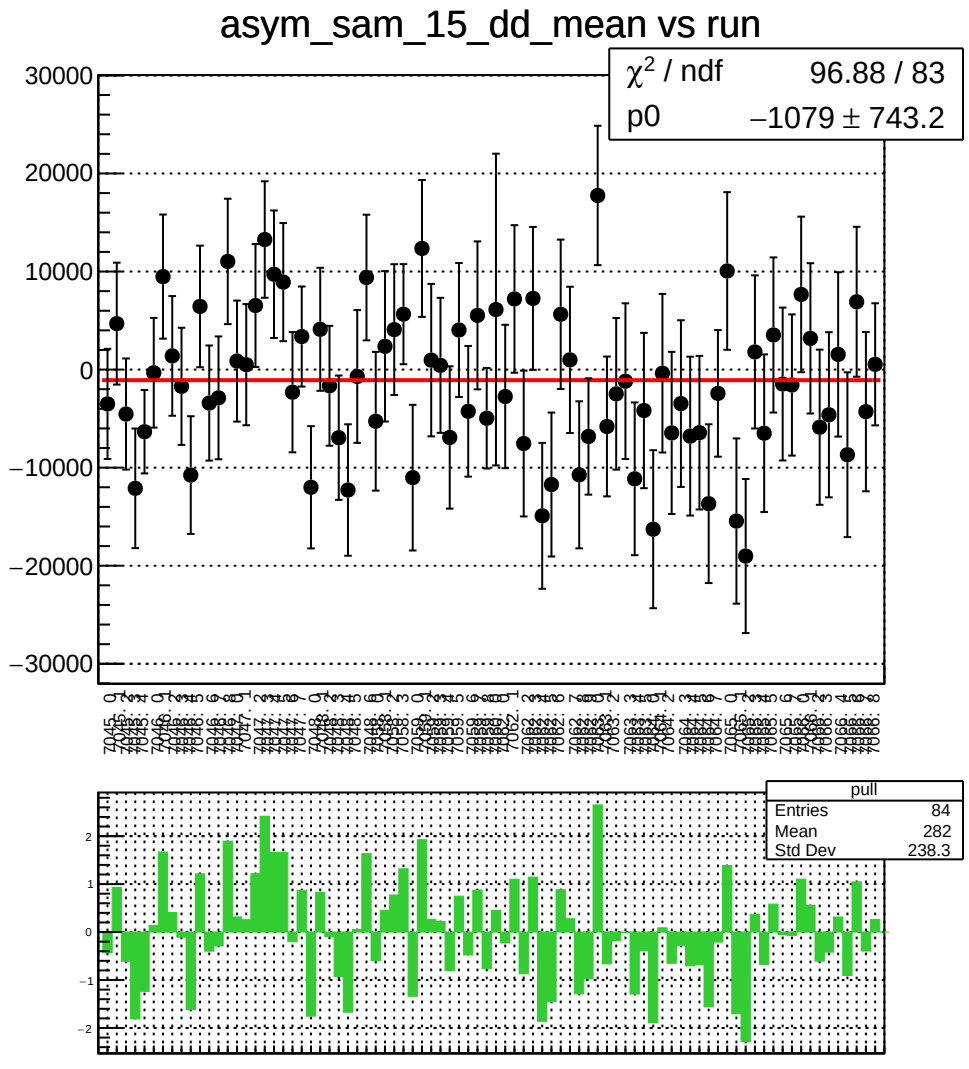

pull1D
Entries 84
Mean 0.01151
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

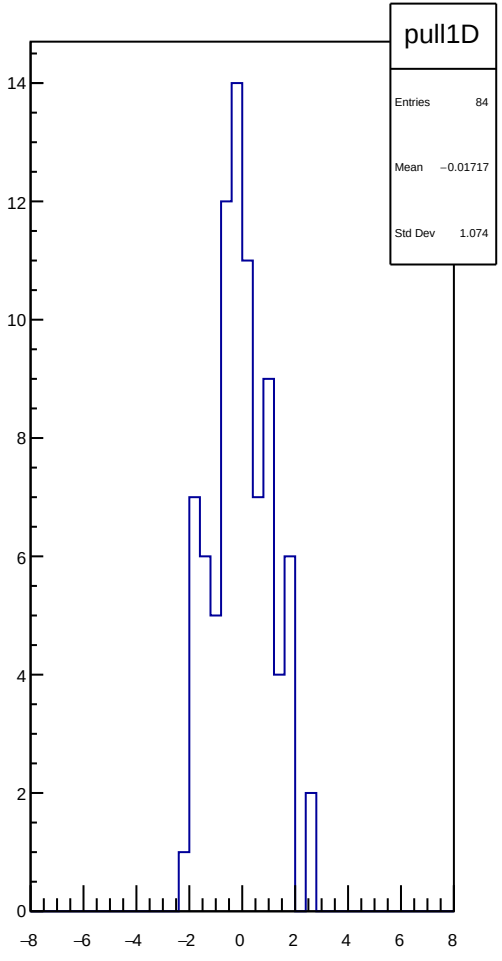

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1223 / 83
p0 112.3 ± 0.08898
125
120
115
110
105

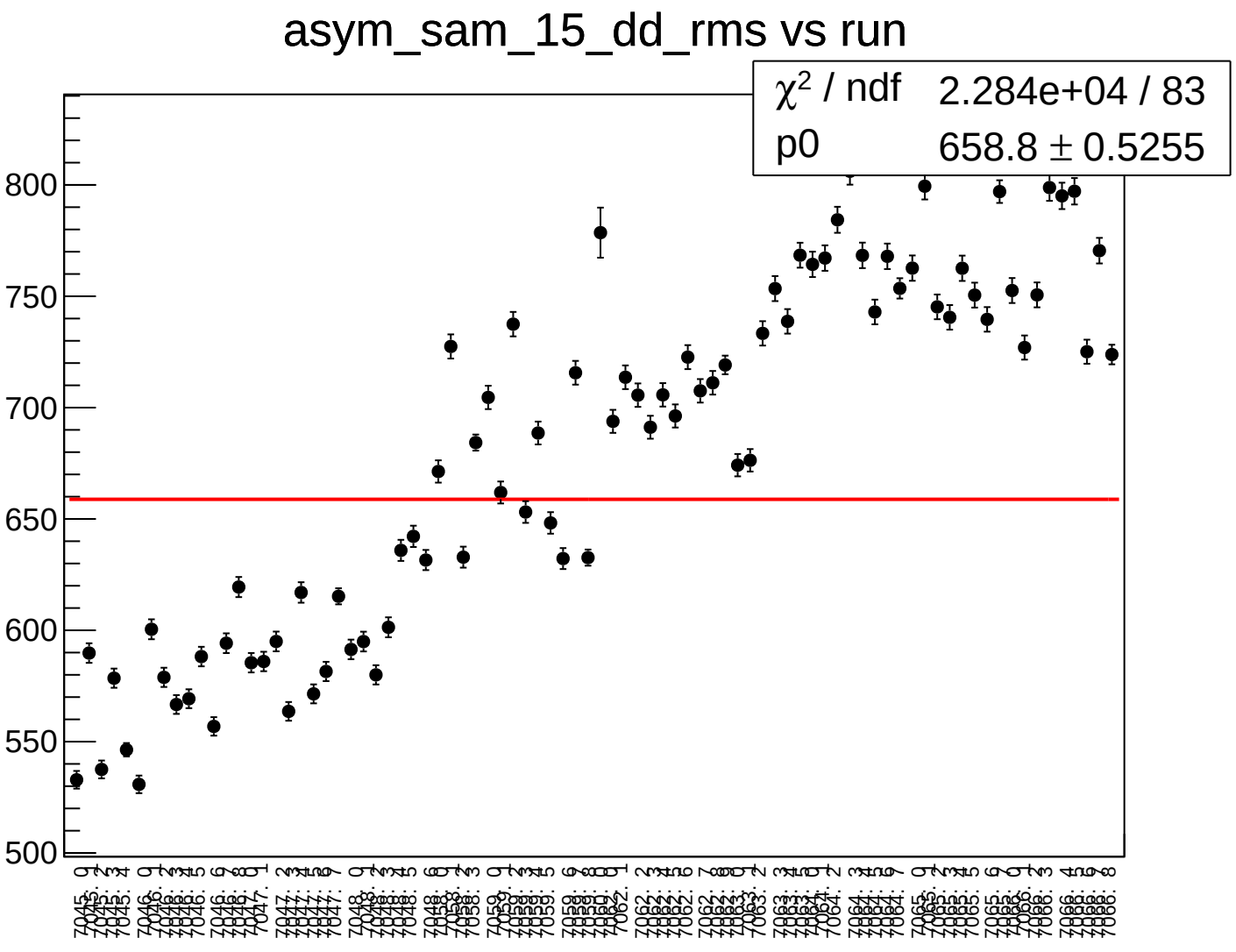

asym_sam_15_dd_correction_mean vs run
χ² / ndf 93.49 / 83
p0 705.9 ± 752.2
pull
Entries 84
Mean 261.2
Std Dev 218.8

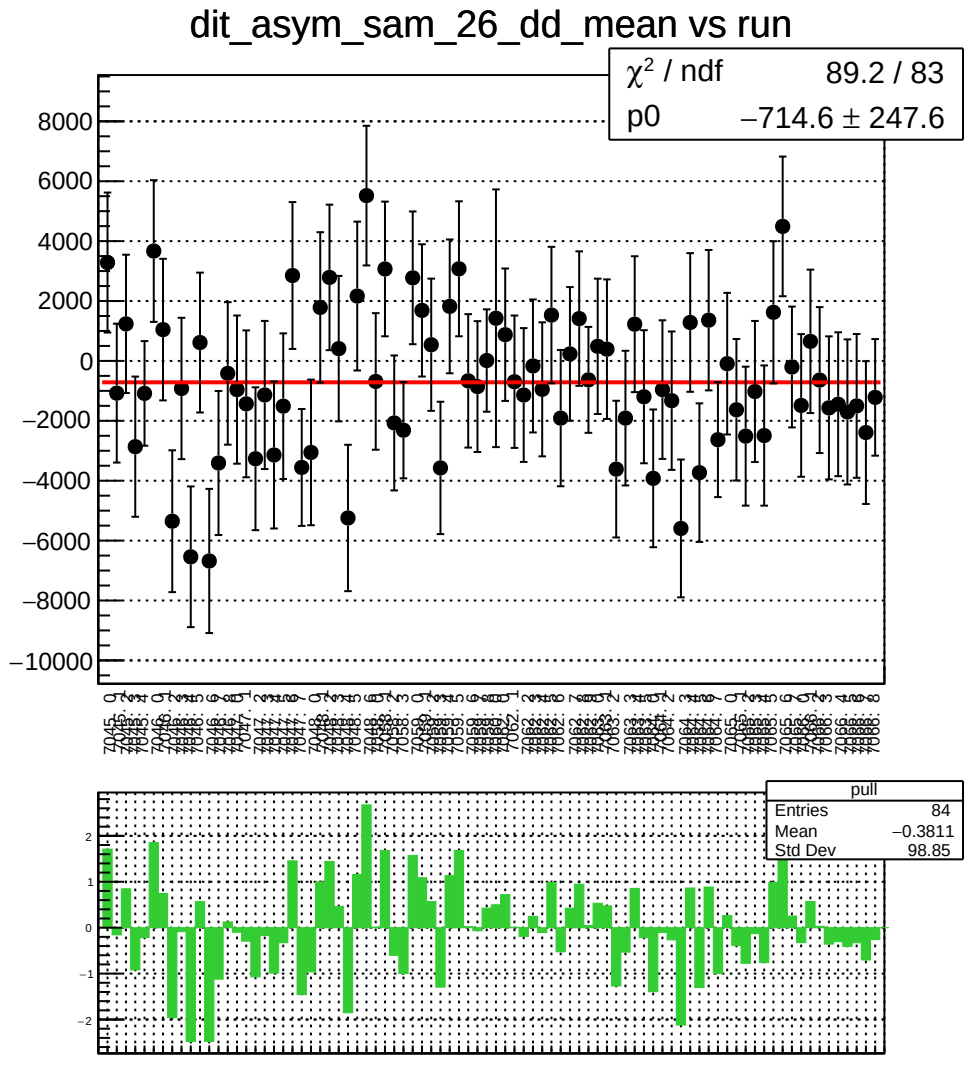

pull1D
Entries 84
Mean 0.01834
Std Dev 1.055

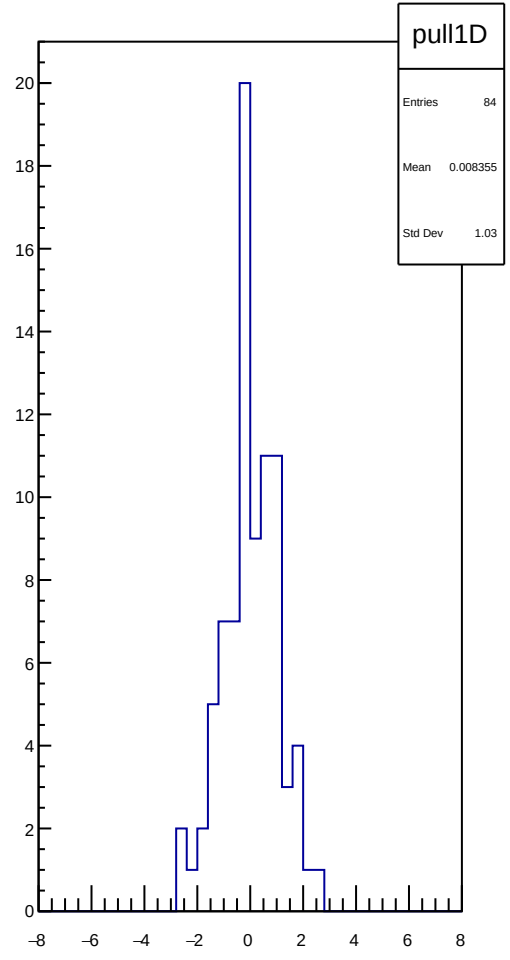

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.131e+04 / 83
p0 667.2 ± 0.5319
800
750
700
650
600
550

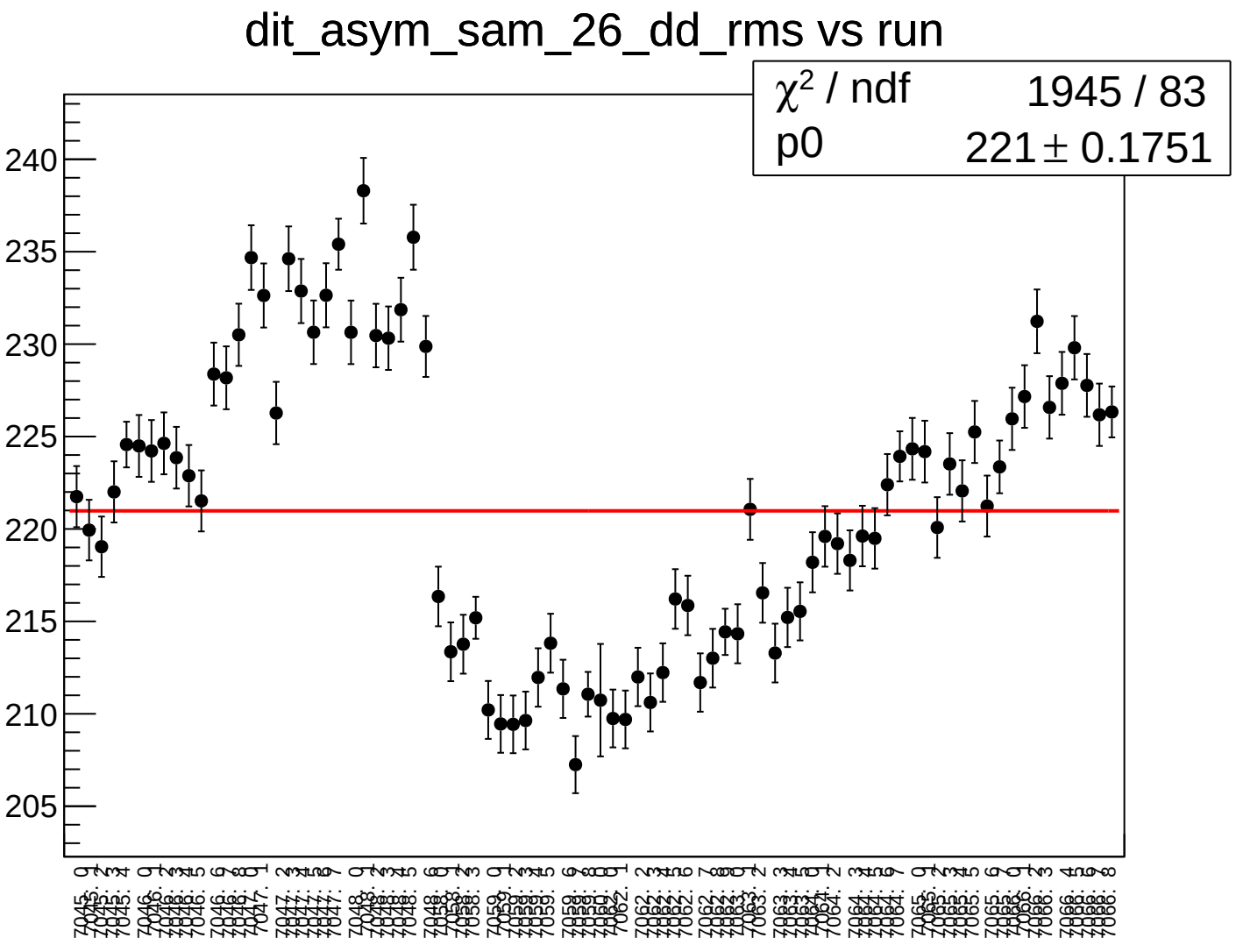

asym_sam_15_dd_mean vs run
χ² / ndf 96.88 / 83
p0 −1079 ± 743.2
pull
Entries 84
Mean 282
Std Dev 238.3

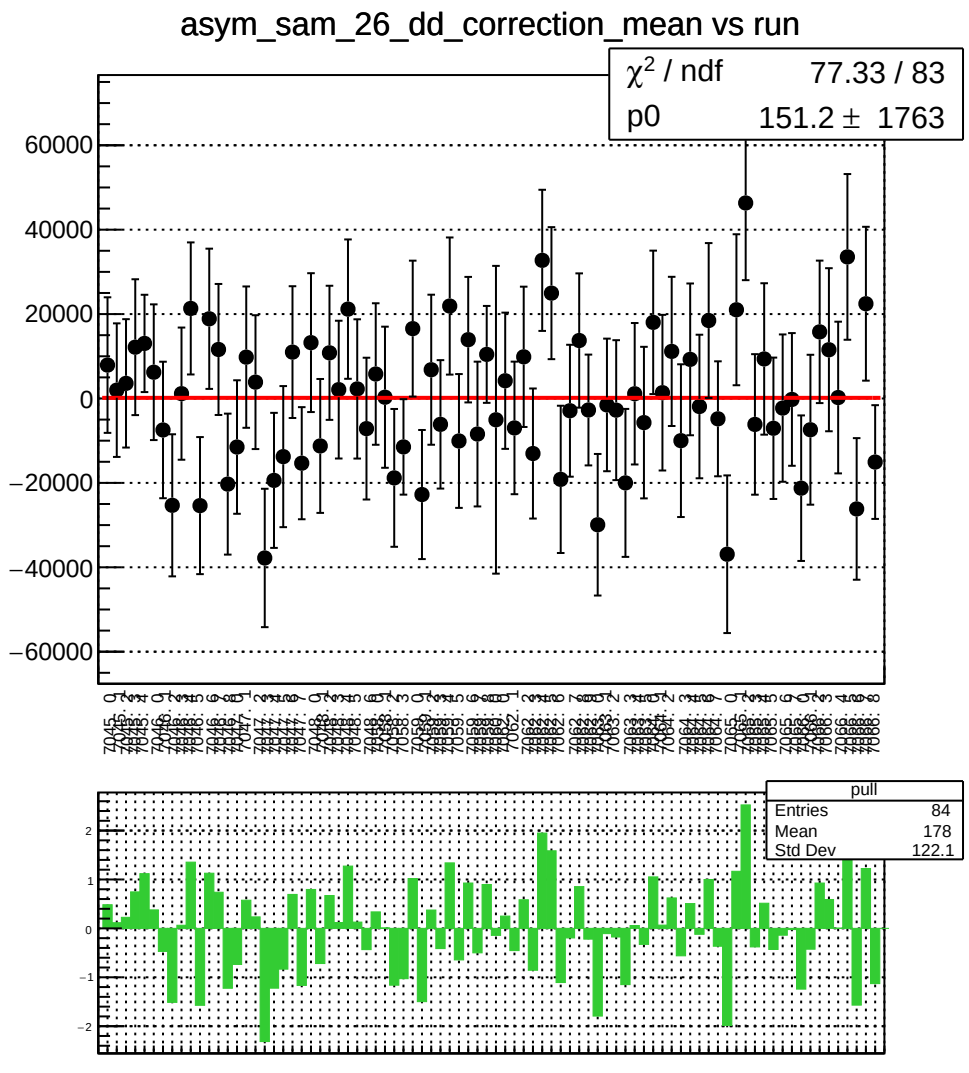

pull1D
Entries 84
Mean −0.01717
Std Dev 1.074

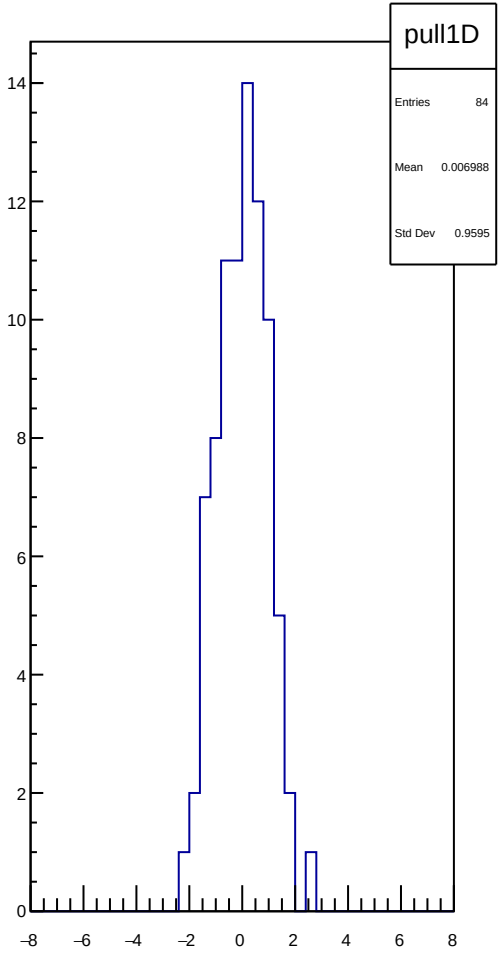

asym_sam_15_dd_rms vs run
χ^2 / ndf 2.284e+04 / 83
p0 658.8 ± 0.5255
800
750
700
650
600
550
500

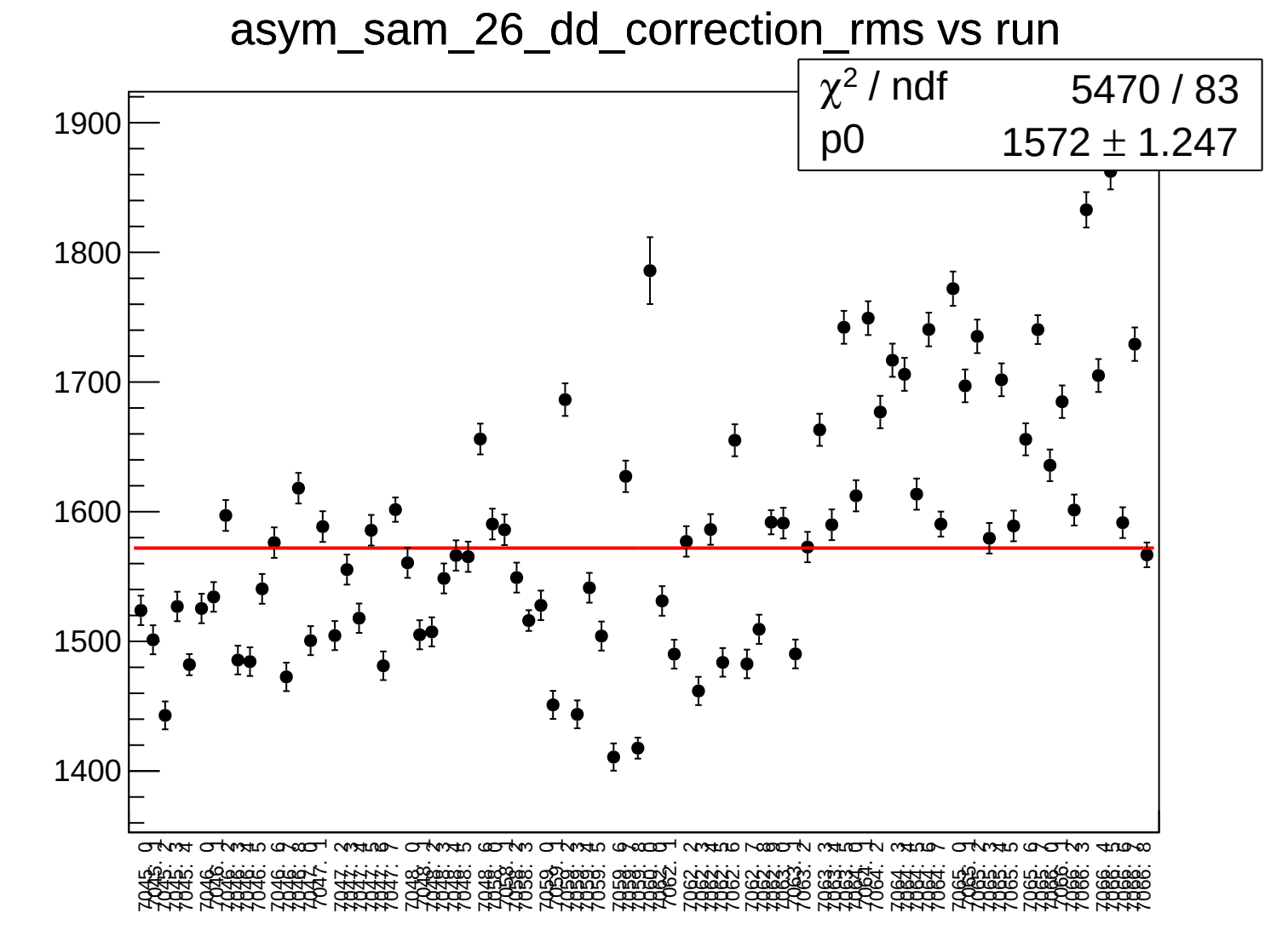

dit_asym_sam_26_dd_mean vs run
χ² / ndf 89.2 / 83
p0 −714.6 ± 247.6
pull
Entries 84
Mean −0.3811
Std Dev 98.85

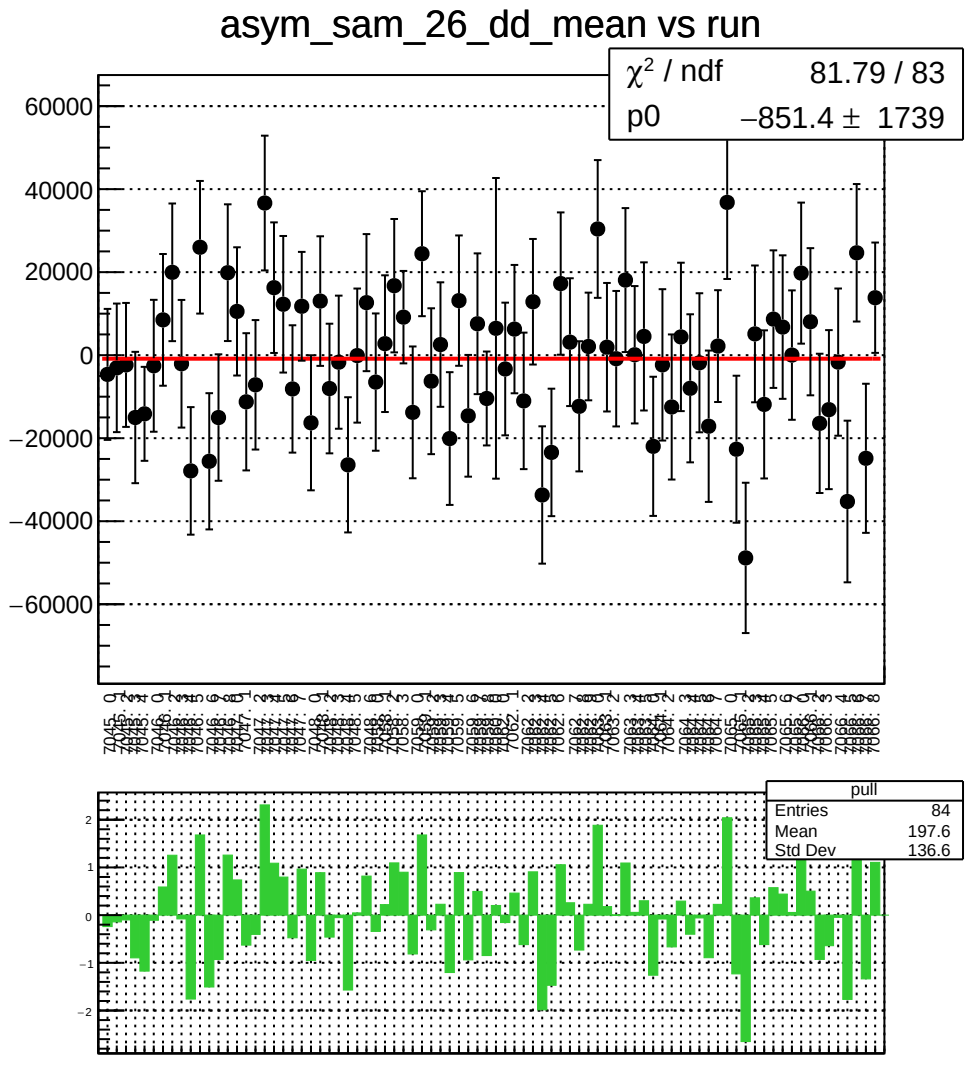

pull1D
Entries 84
Mean 0.008355
Std Dev 1.03

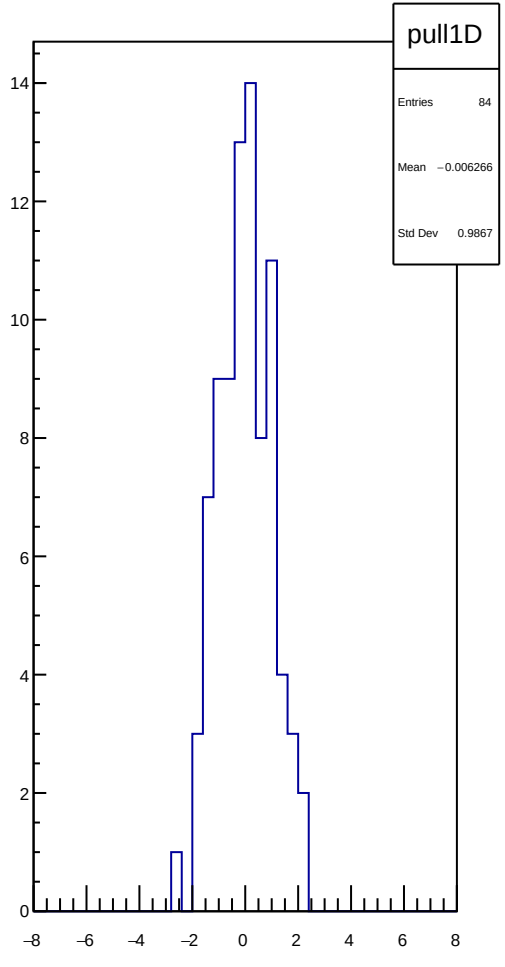

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1945 / 83
p0 221 ± 0.1751
240
235
230
225
220
215
210
205

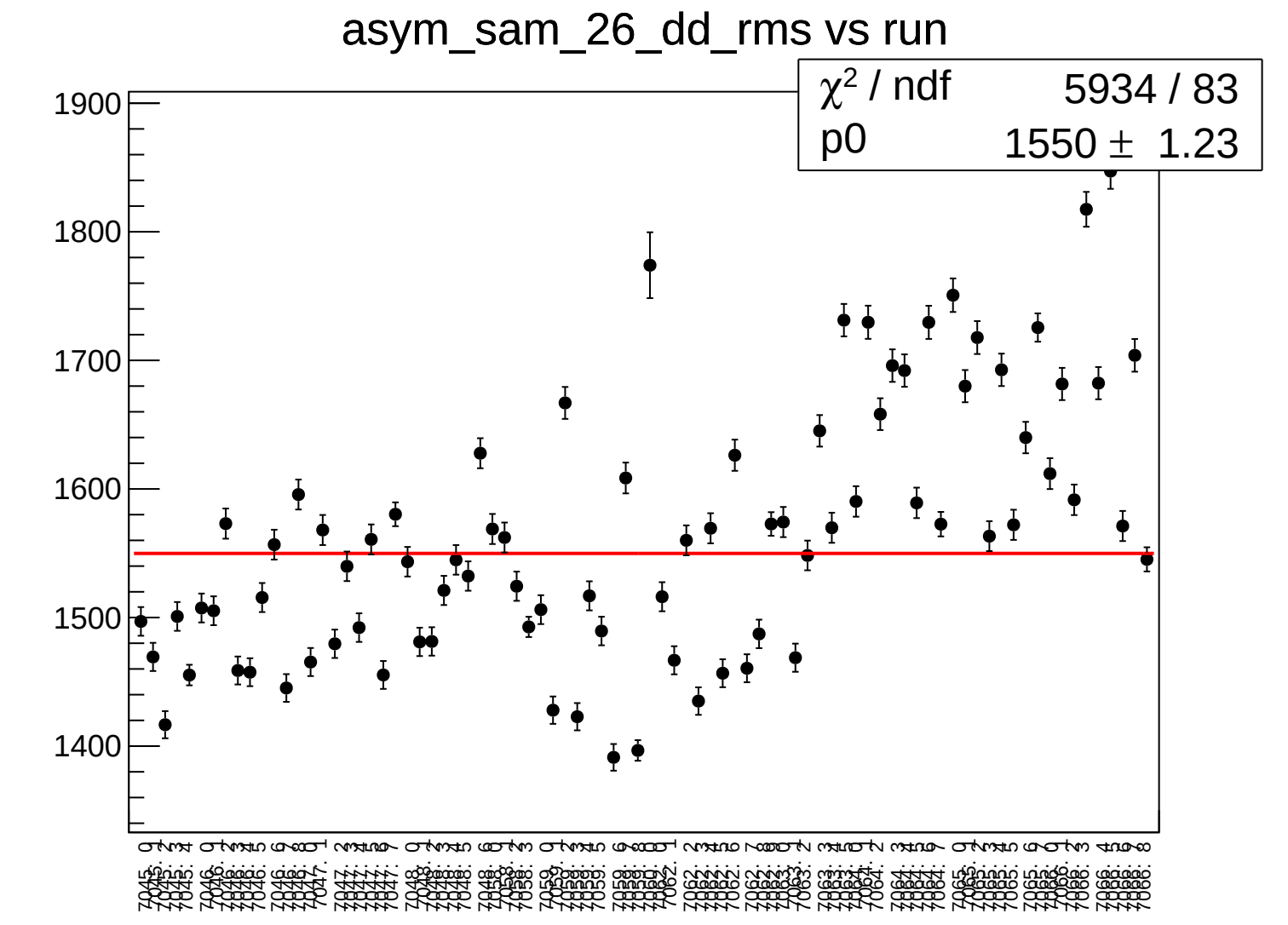

asym_sam_26_dd_correction_mean vs run
χ² / ndf 77.33 / 83
p0 151.2 ± 1763
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 178
Std Dev 122.1
2
1
0
−1
−2

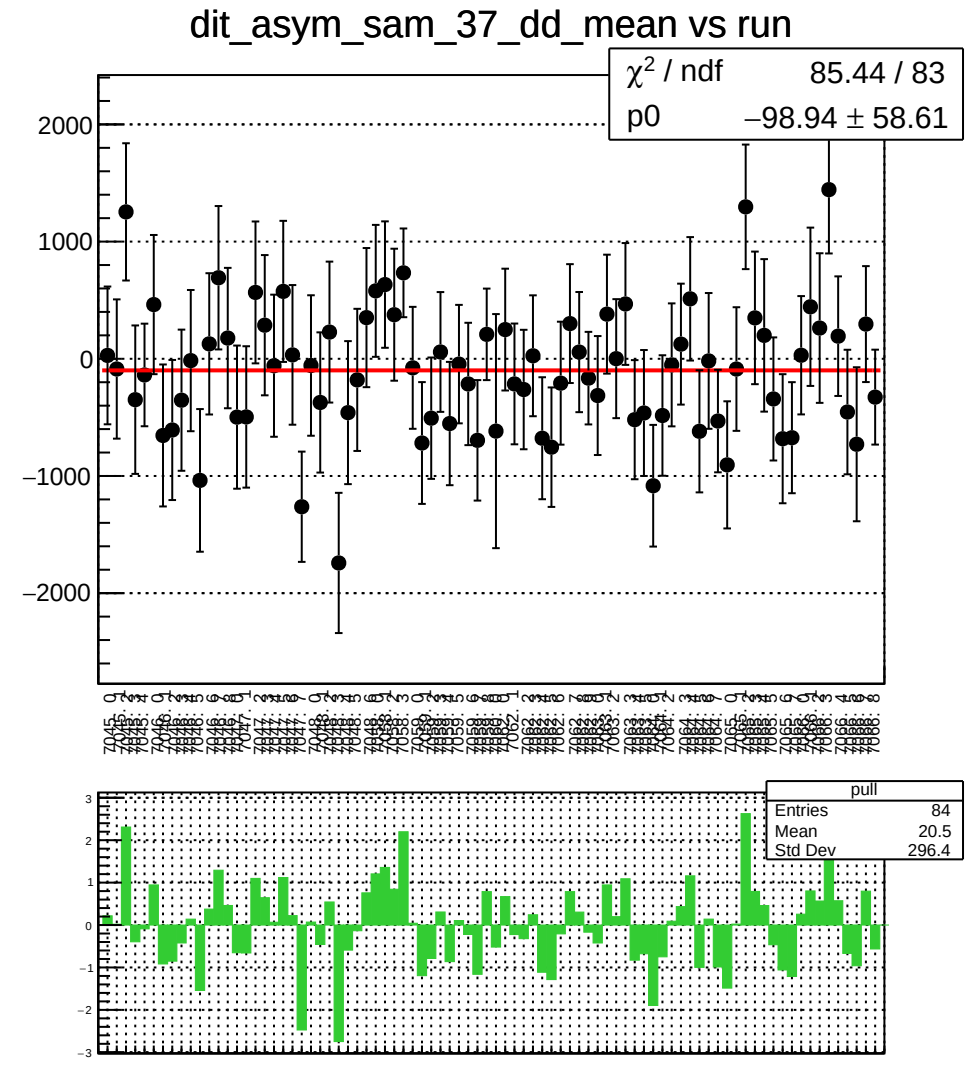

pull1D
Entries 84
Mean 0.006988
Std Dev 0.9595
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

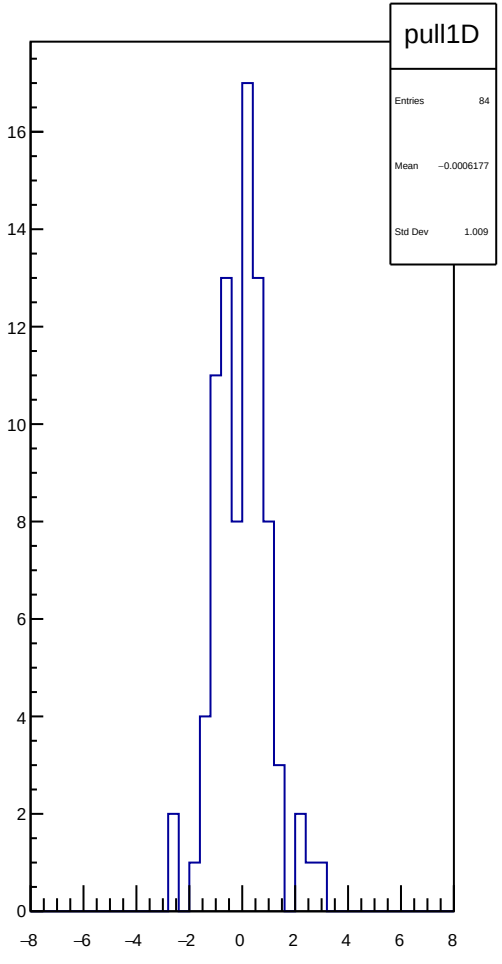

asym_sam_26_dd_correction_rms vs run
χ² / ndf 5470 / 83
p0 1572 ± 1.247
1900
1800
1700
1600
1500
1400

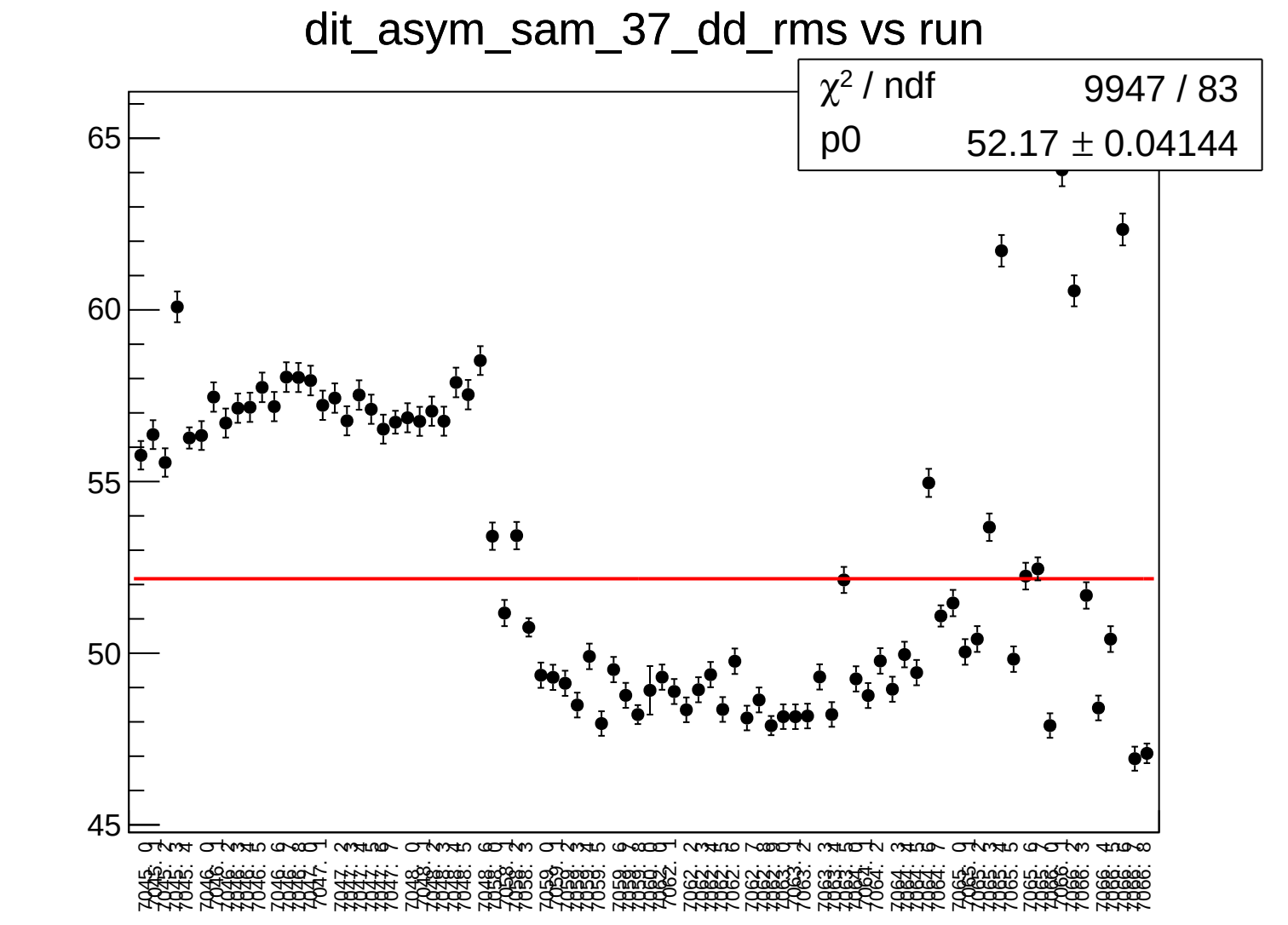

asym_sam_26_dd_mean vs run
χ² / ndf 81.79 / 83
p0 −851.4 ± 1739
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 197.6
Std Dev 136.6
2
1
0
−1
−2

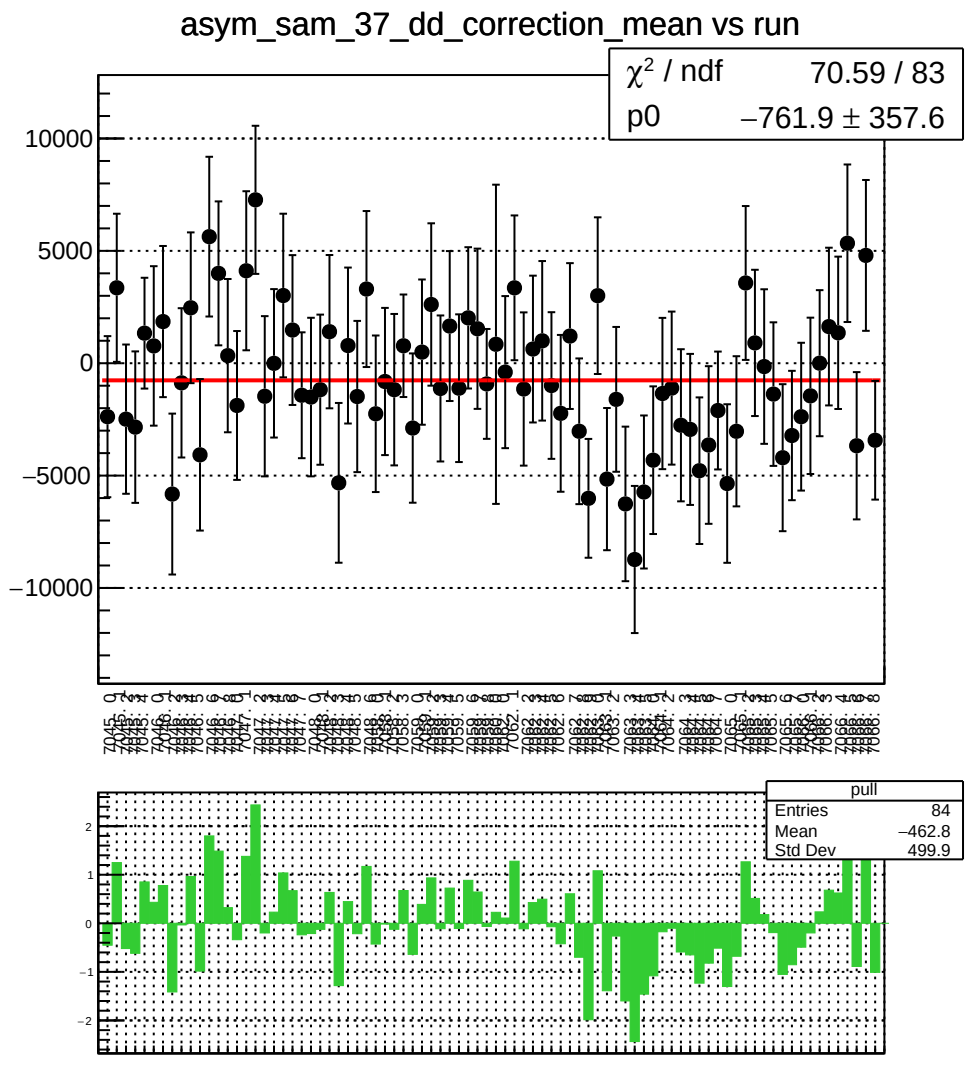

pull1D
Entries 84
Mean −0.006266
Std Dev 0.9867
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

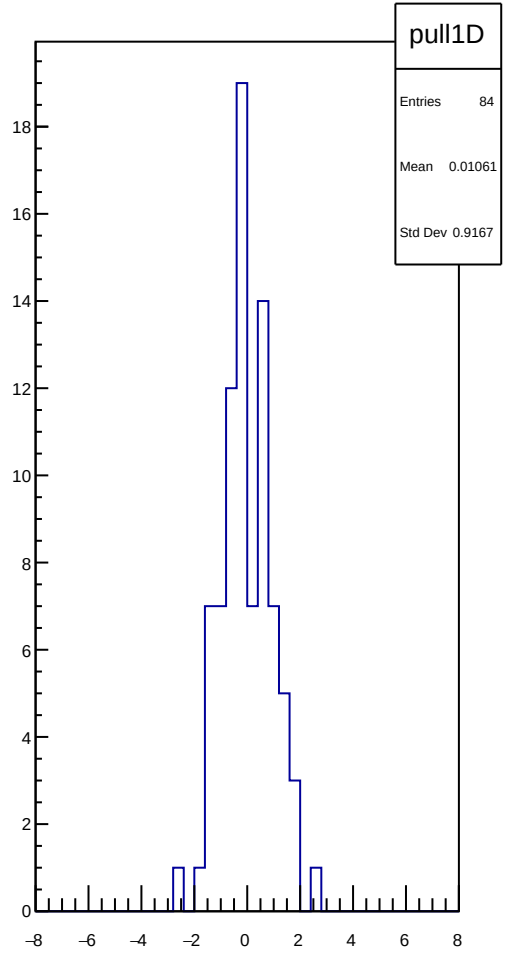

asym_sam_26_dd_rms vs run
χ² / ndf 5934 / 83
p0 1550 ± 1.23
1900
1800
1700
1600
1500
1400

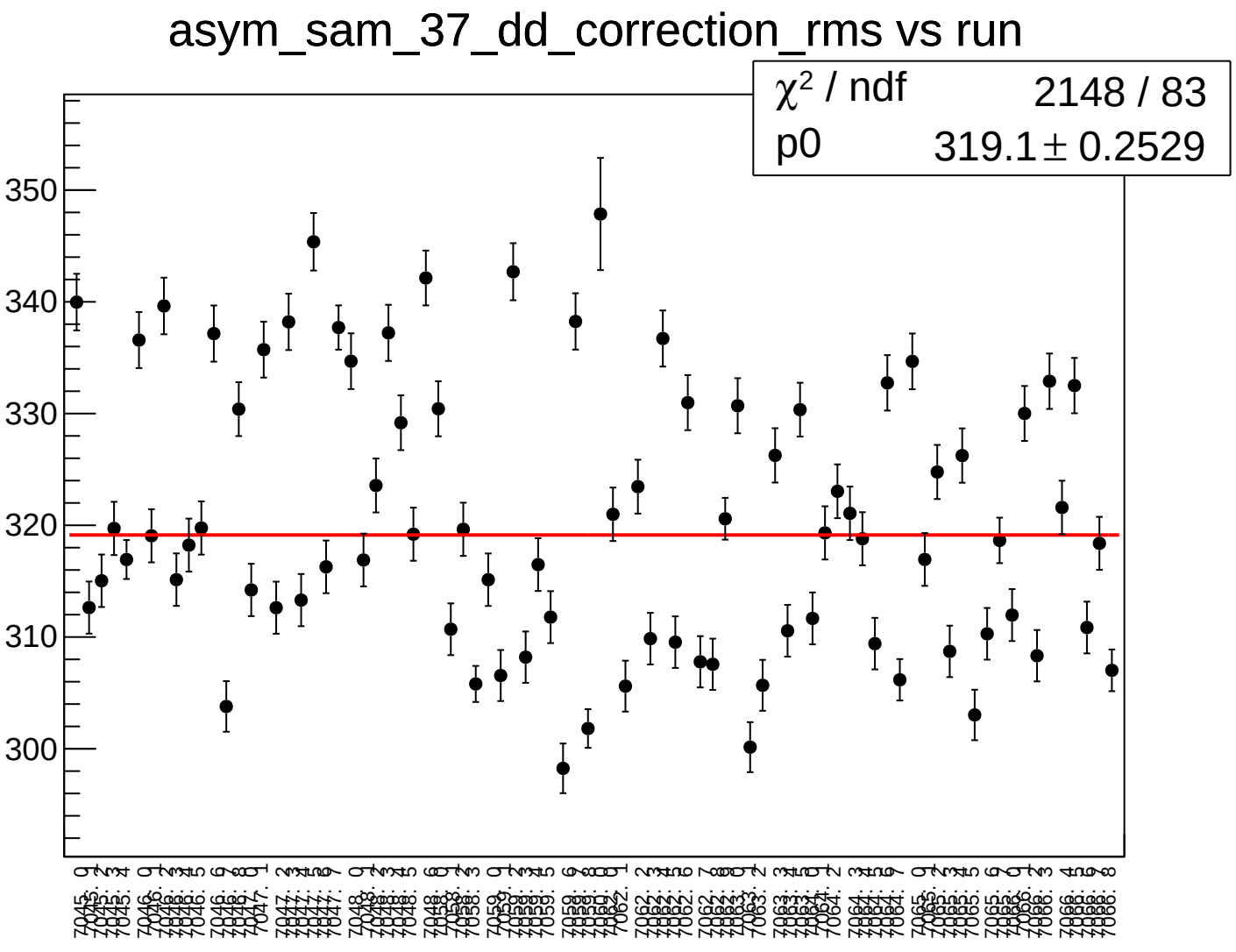

dit_asym_sam_37_dd_mean vs run
χ² / ndf 85.44 / 83
p0 −98.94 ± 58.61
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 20.5
Std Dev 296.4
3
2
1
0
−1
−2
−3

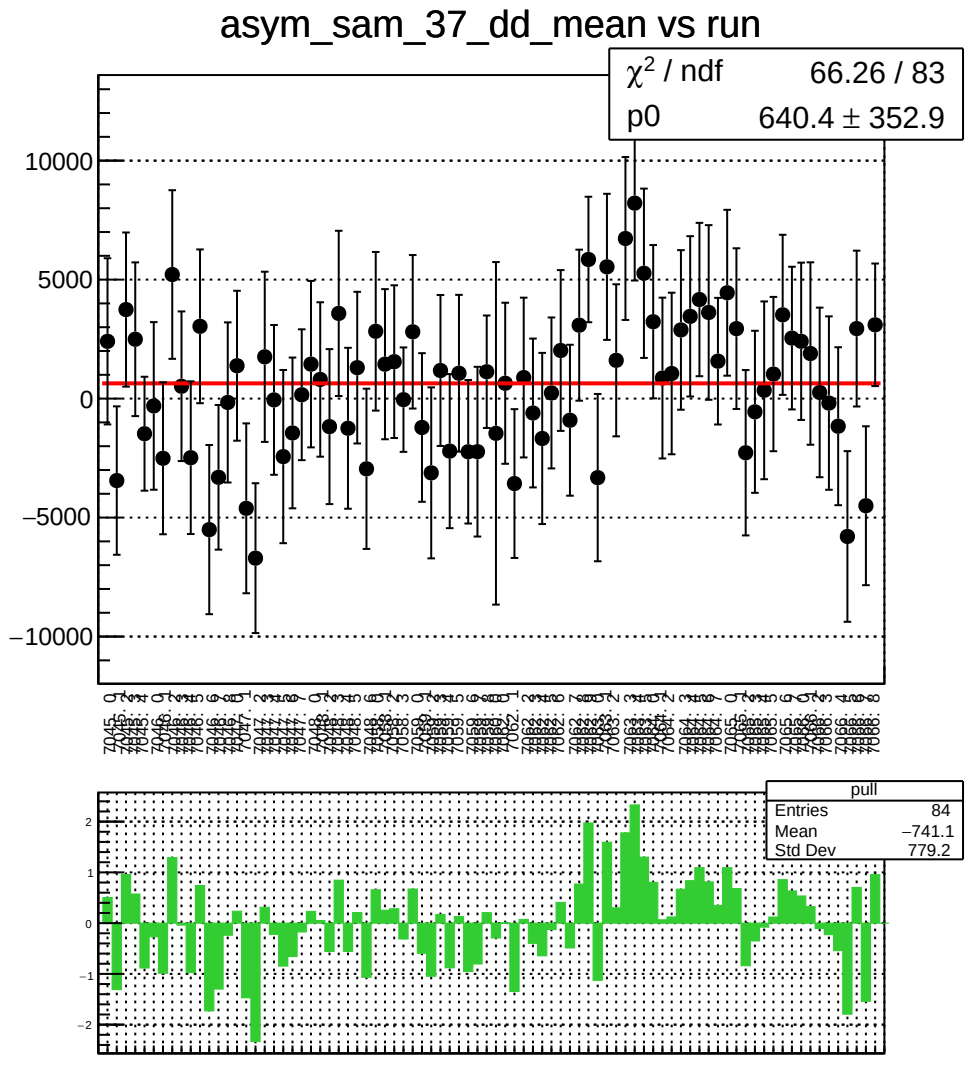

pull1D
Entries 84
Mean −0.0006177
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

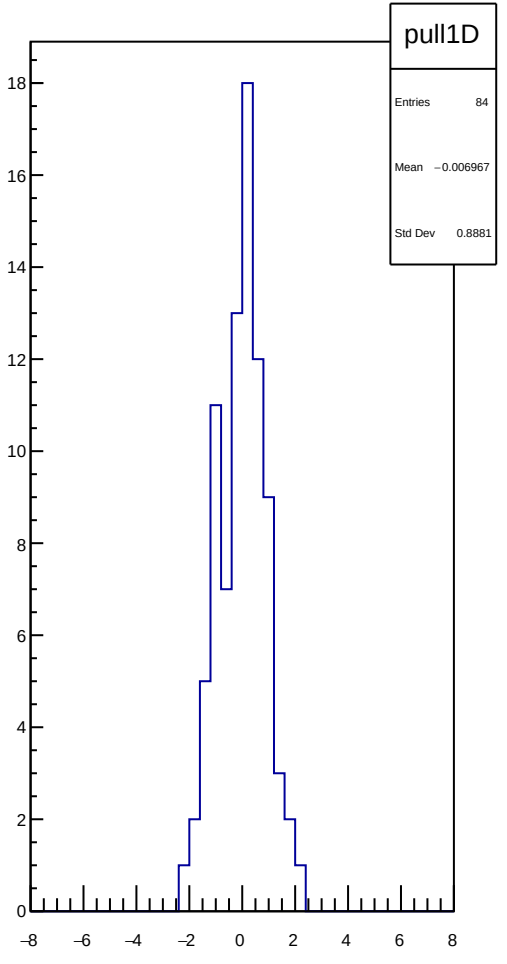

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 9947 / 83
p0 52.17 ± 0.04144
65
60
55
50
45

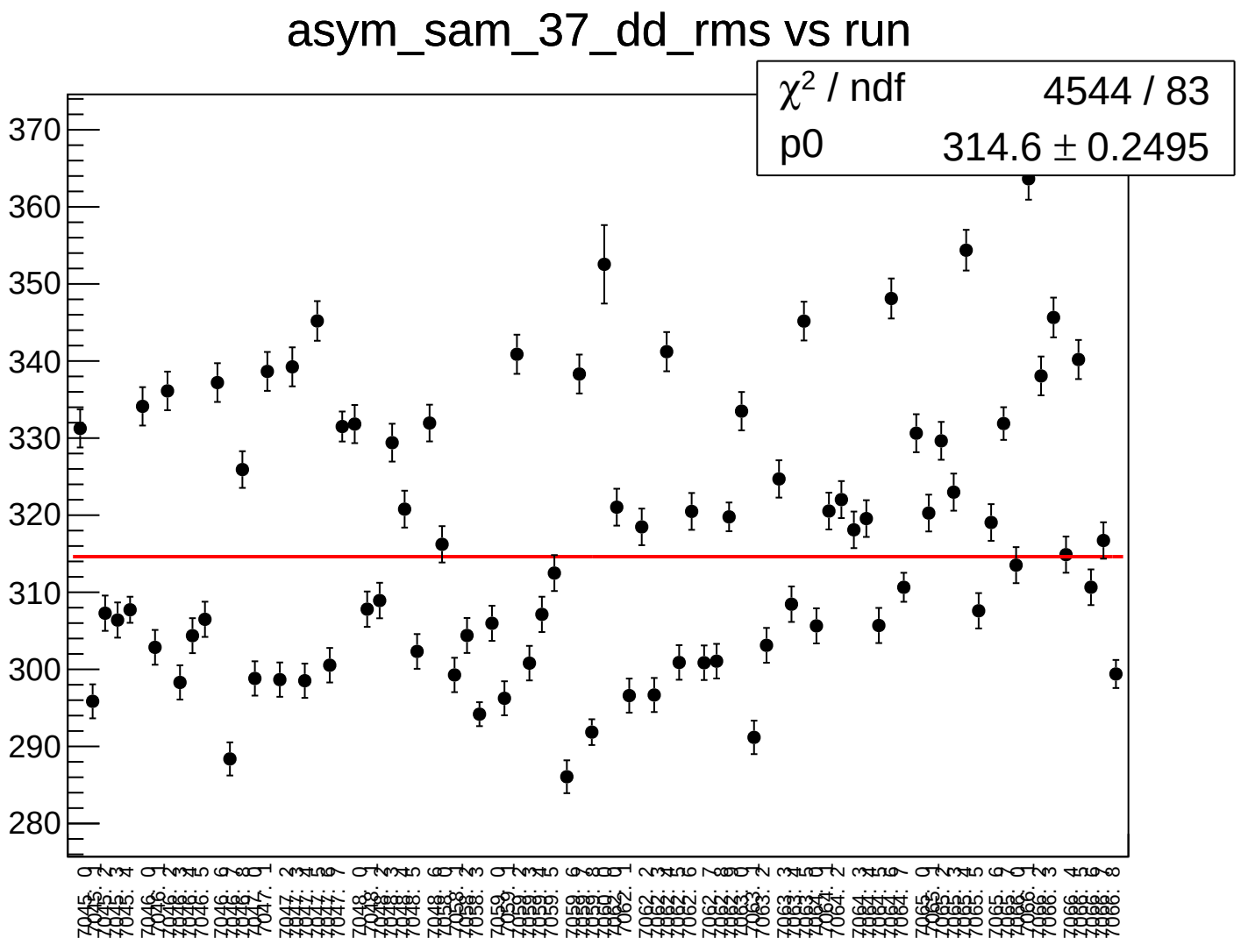

asym_sam_37_dd_correction_mean vs run
χ² / ndf 70.59 / 83
p0 −761.9 ± 357.6
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −462.8
Std Dev 499.9
2
1
0
−1
−2

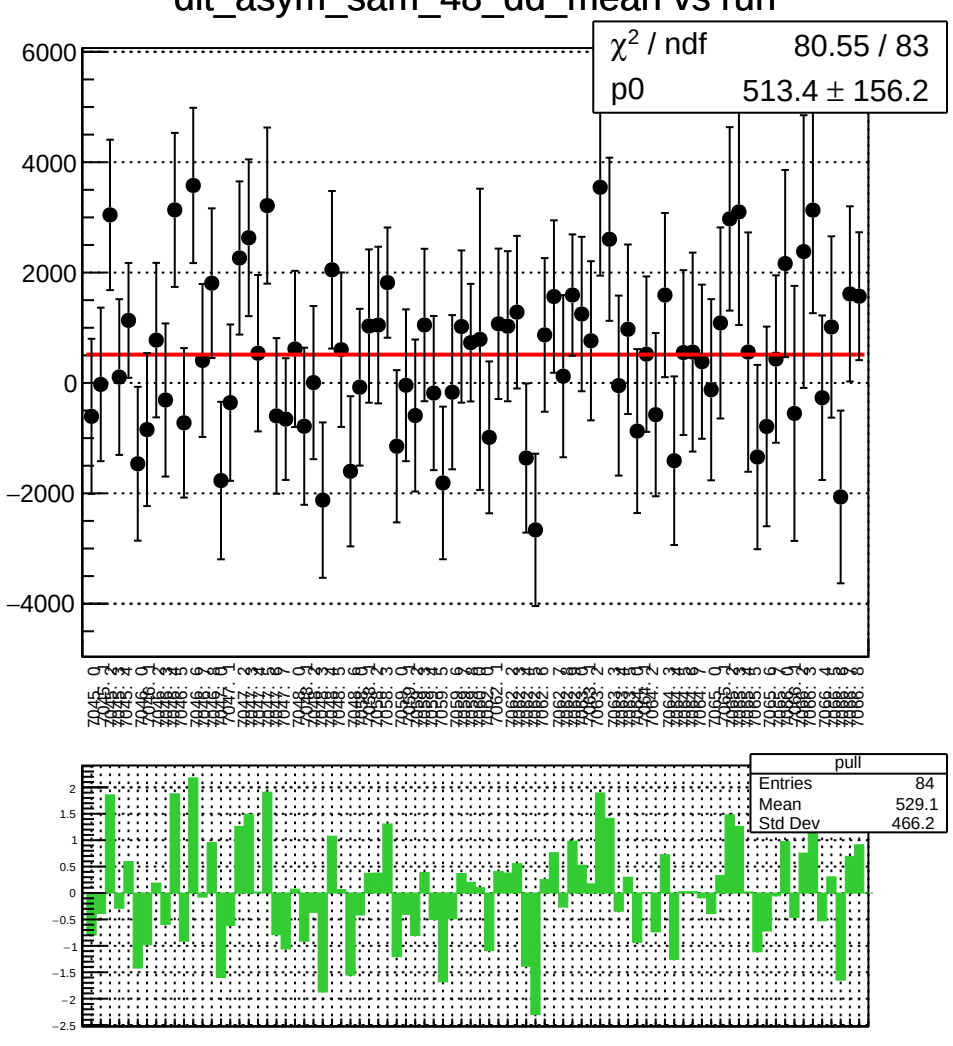

pull1D
Entries 84
Mean 0.01061
Std Dev 0.9167
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

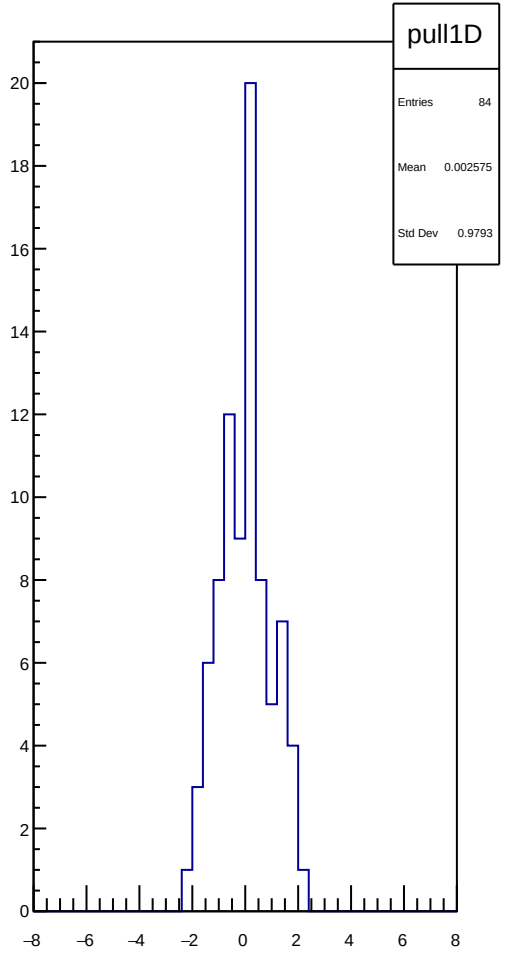

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2148 / 83
p0 319.1 ± 0.2529
350
340
330
320
310
300

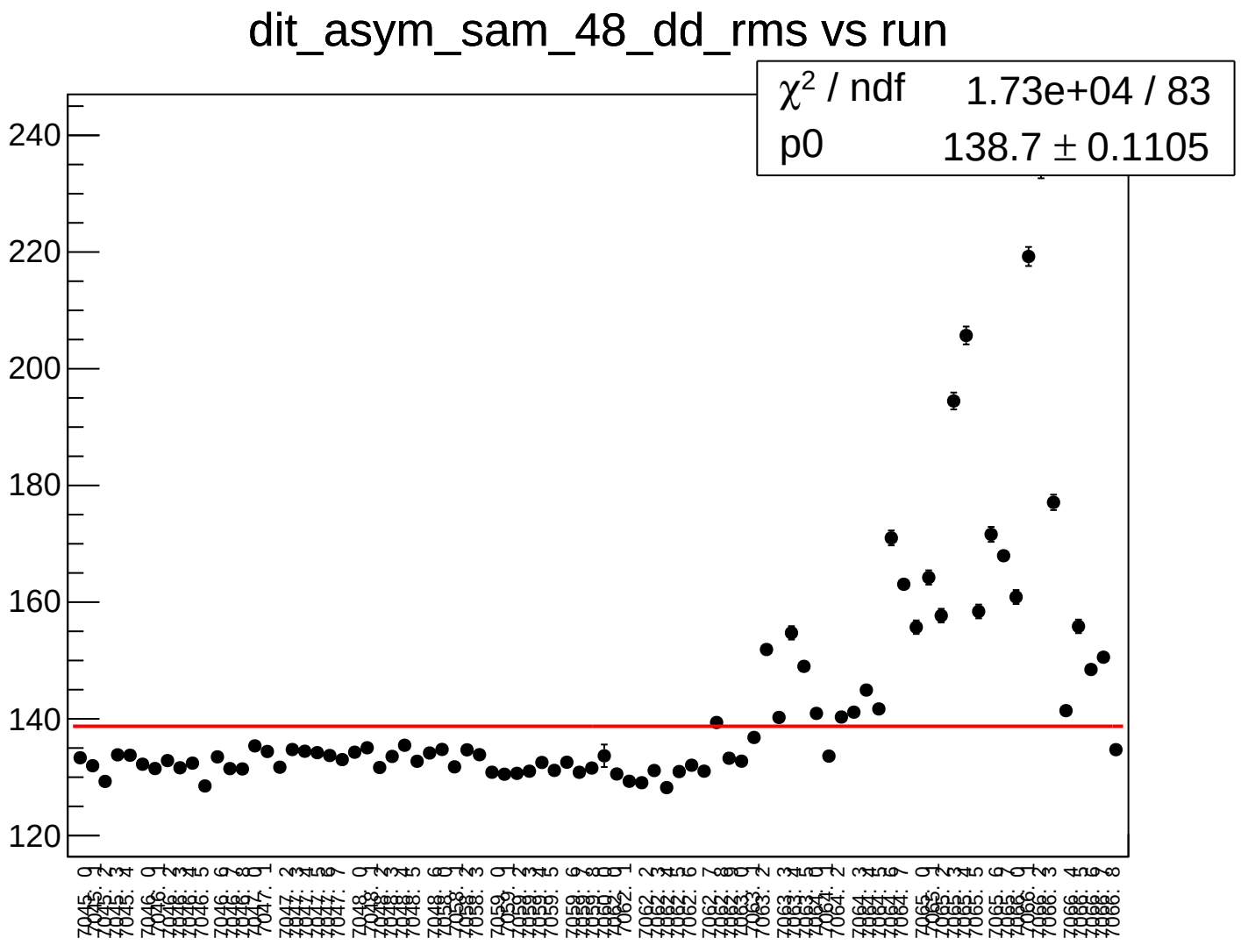

asym_sam_37_dd_mean vs run
χ² / ndf 66.26 / 83
p0 640.4 ± 352.9
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −741.1
Std Dev 779.2
2
1
0
−1
−2

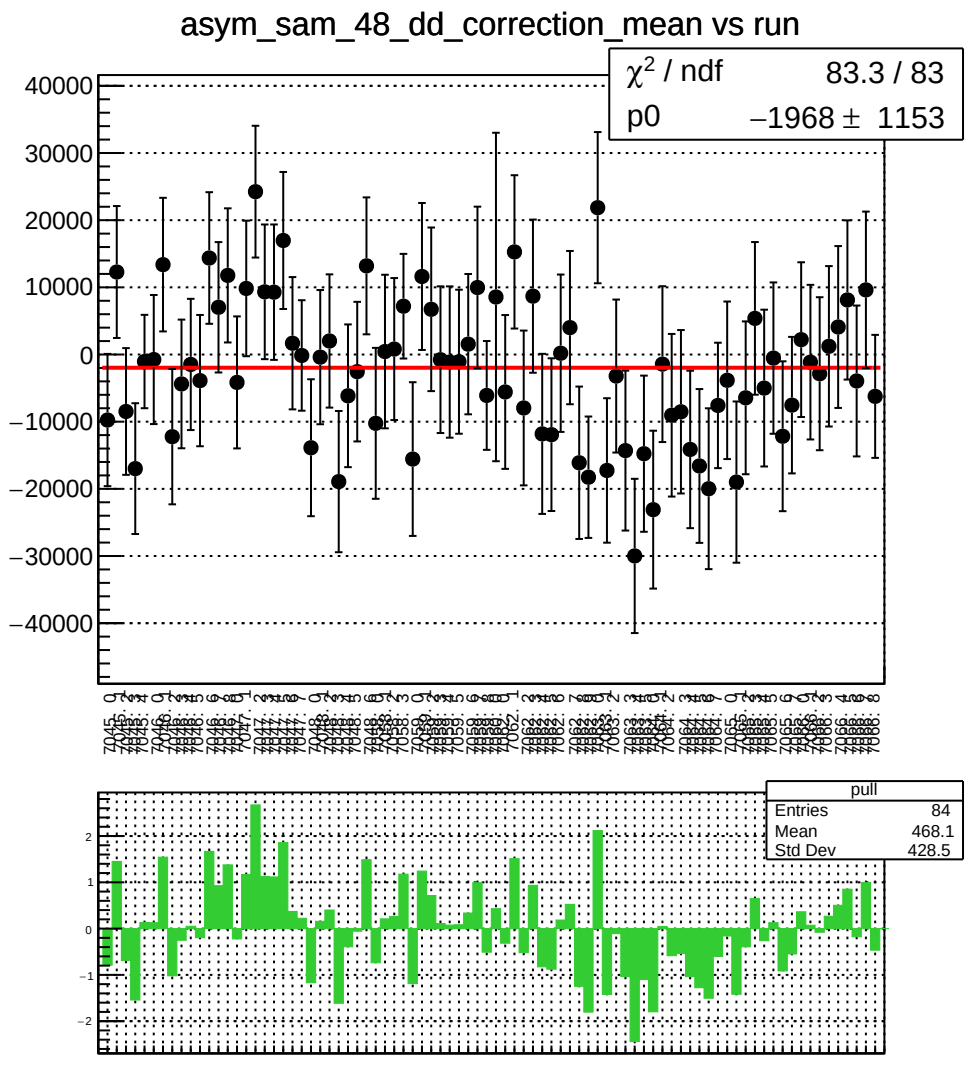

pull1D
Entries 84
Mean −0.006967
Std Dev 0.8881
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

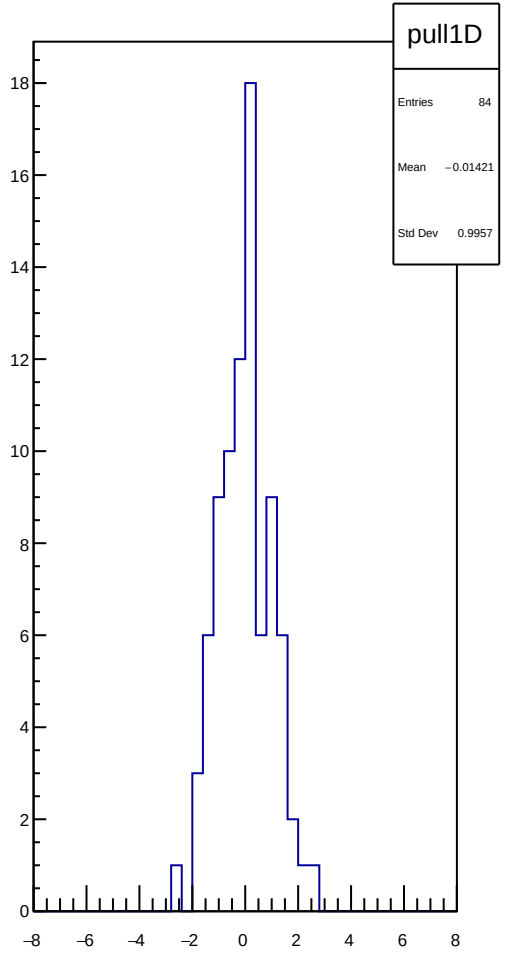

asym_sam_37_dd_rms vs run
χ² / ndf 4544 / 83
p0 314.6 ± 0.2495
370
360
350
340
330
320
310
300
290
280

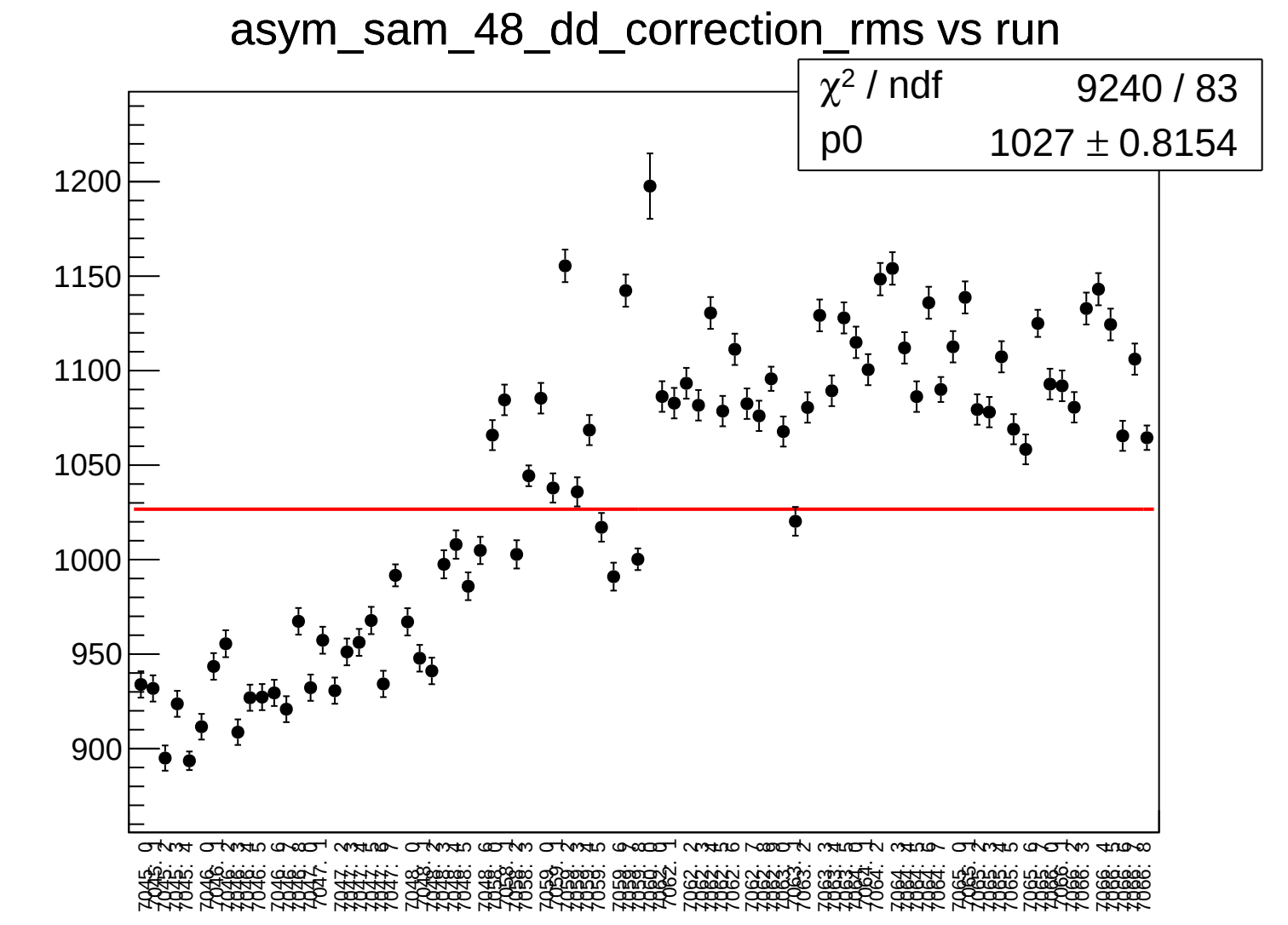

dit_asym_sam_48_dd_mean vs run
χ² / ndf 80.55 / 83
p0 513.4 ± 156.2
pull
Entries 84
Mean 529.1
Std Dev 466.2

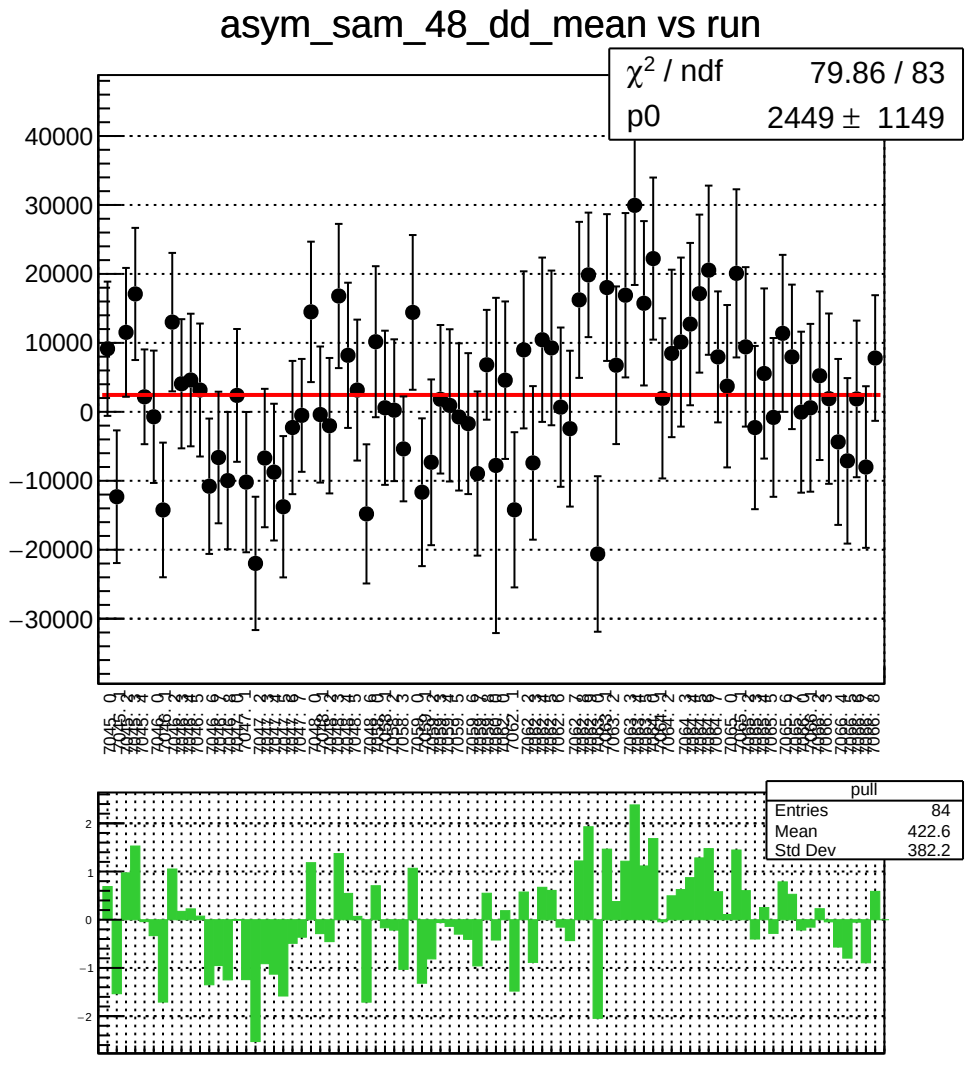

pull1D
Entries 84
Mean 0.002575
Std Dev 0.9793

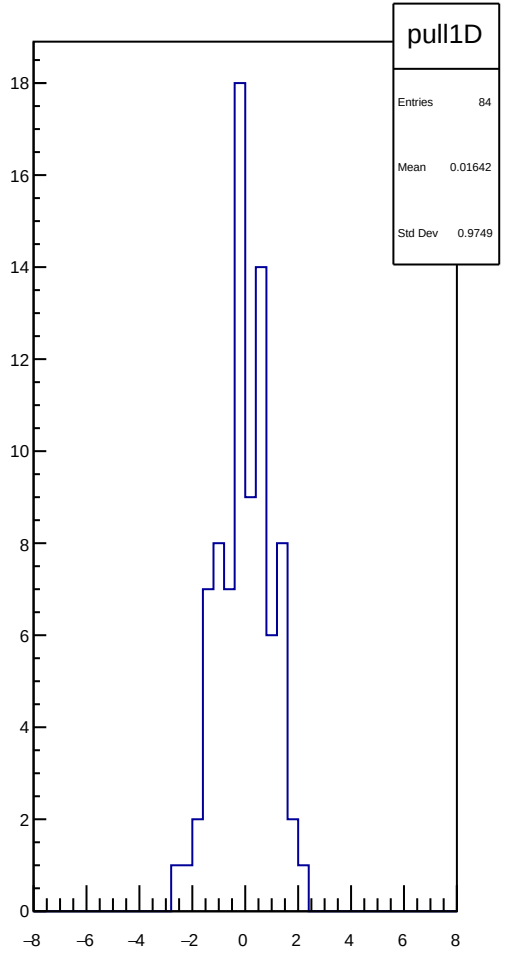

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.73e+04 / 83
p0 138.7 ± 0.1105
240
220
200
180
160
140
120

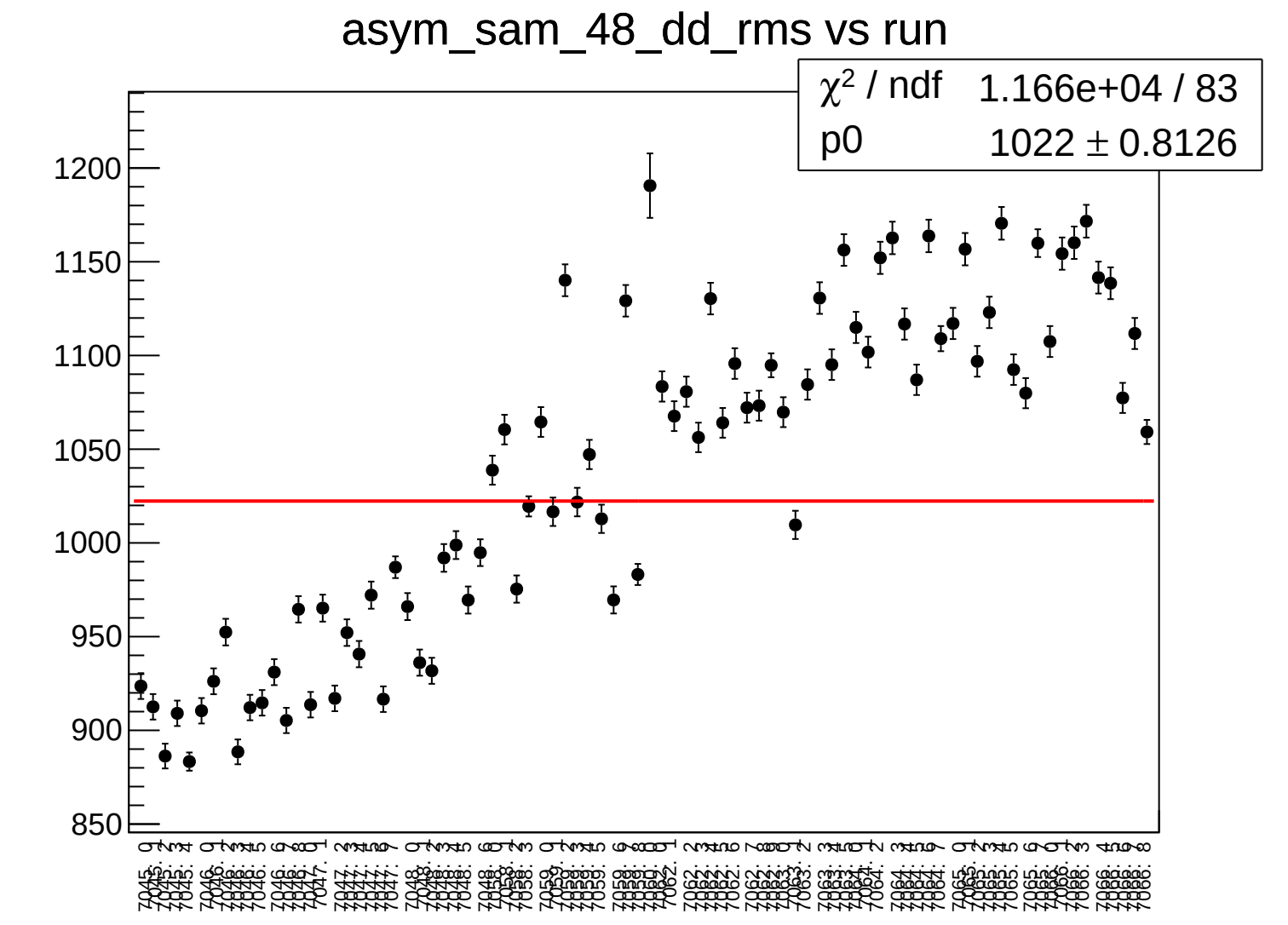

asym_sam_48_dd_correction_mean vs run
χ² / ndf 83.3 / 83
p0 −1968 ± 1153
pull
Entries 84
Mean 468.1
Std Dev 428.5

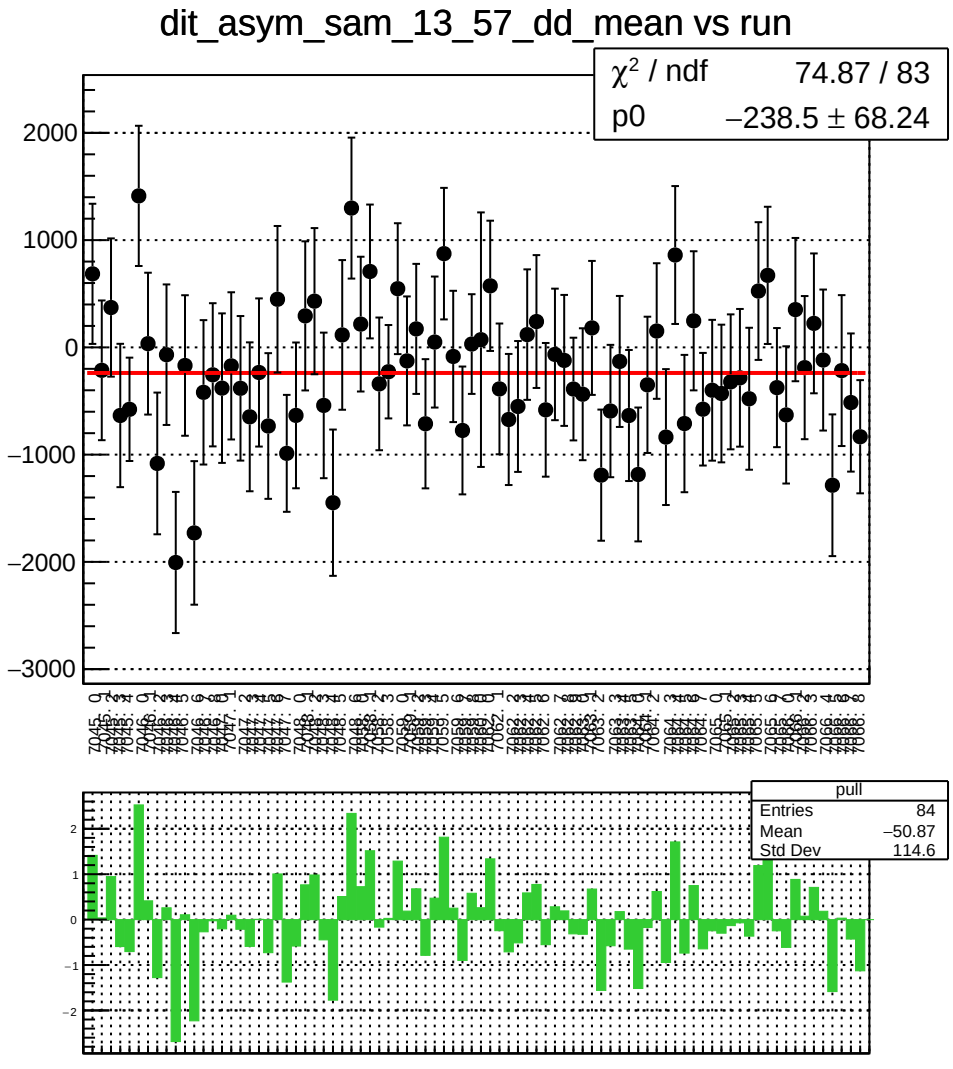

pull1D
Entries 84
Mean −0.01421
Std Dev 0.9957

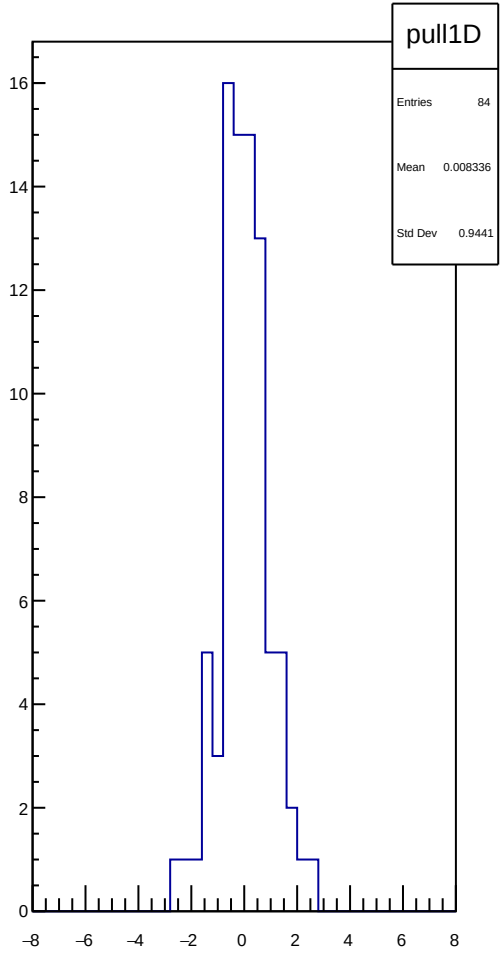

asym_sam_48_dd_correction_rms vs run
χ² / ndf 9240 / 83
p0 1027 ± 0.8154
1200
1150
1100
1050
1000
950
900

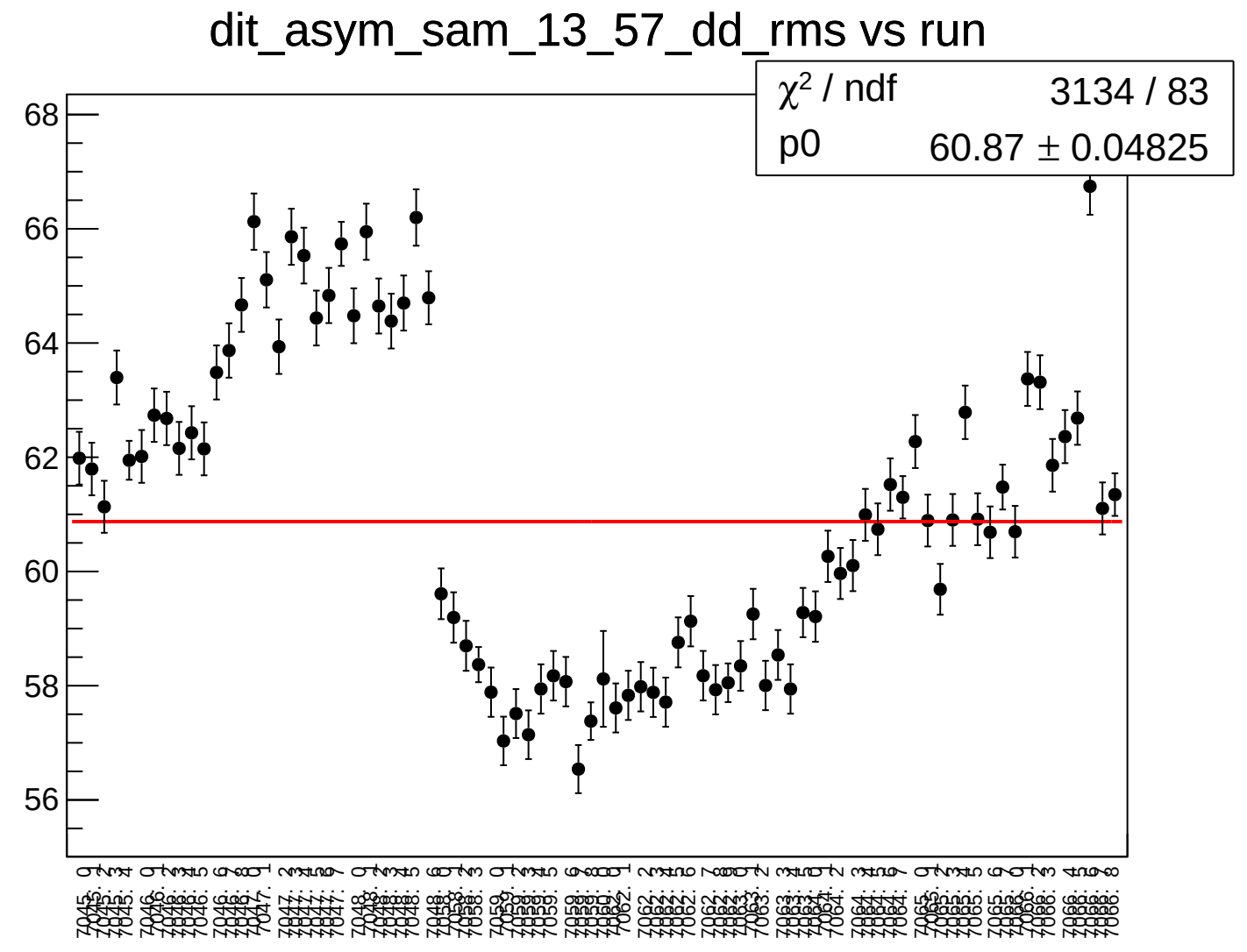

asym_sam_48_dd_mean vs run
χ² / ndf 79.86 / 83
p0 2449 ± 1149
pull
Entries 84
Mean 422.6
Std Dev 382.2

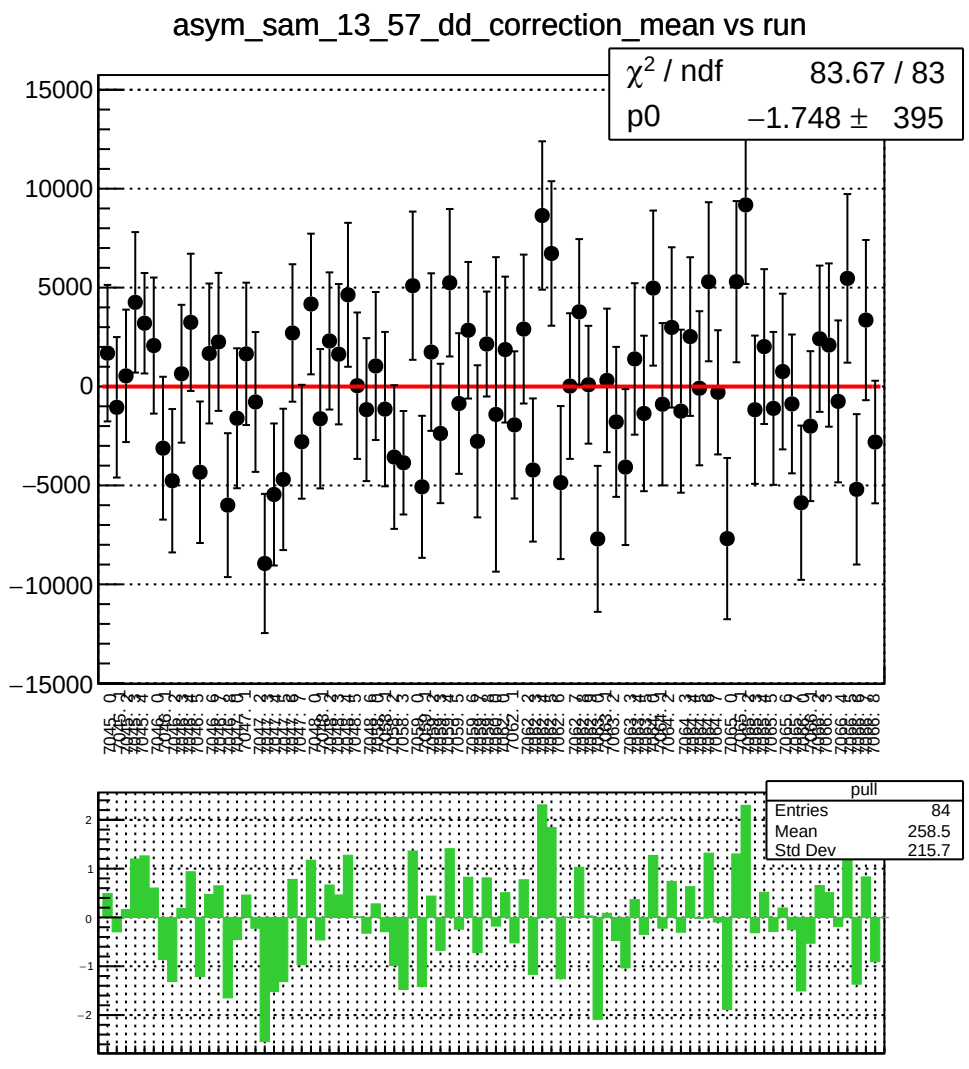

pull1D
Entries 84
Mean 0.01642
Std Dev 0.9749

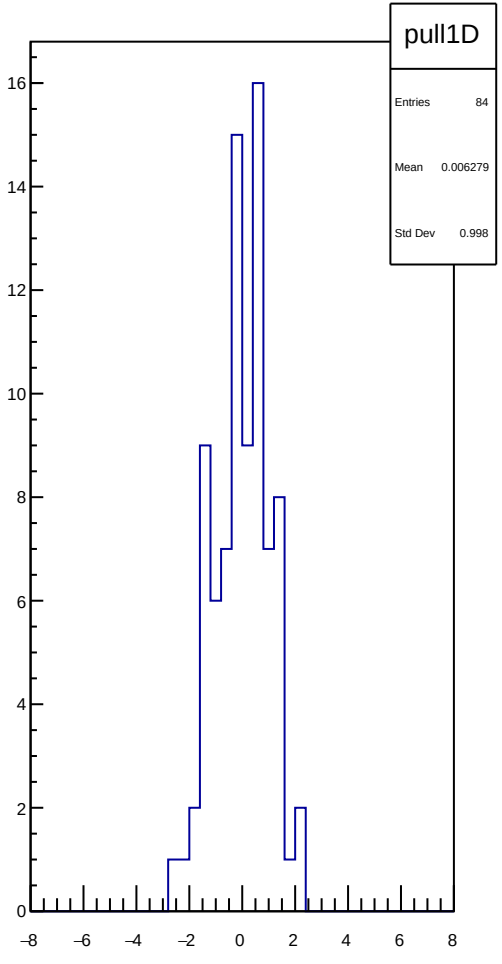

asym_sam_48_dd_rms vs run
χ² / ndf 1.166e+04 / 83
p0 1022 ± 0.8126
1200
1150
1100
1050
1000
950
900
850

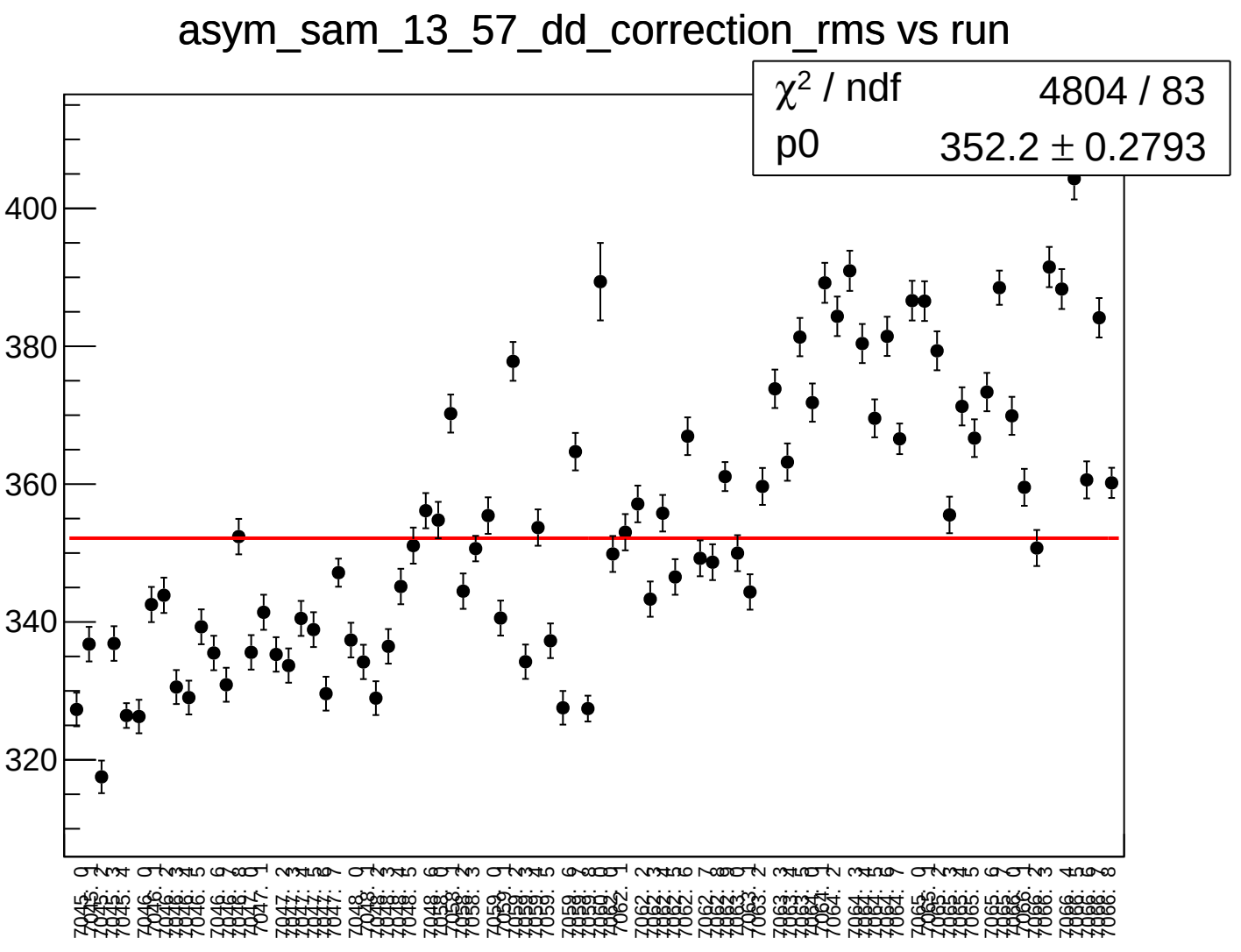

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 74.87 / 83
p0 −238.5 ± 68.24
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean −50.87
Std Dev 114.6
2
1
0
−1
−2

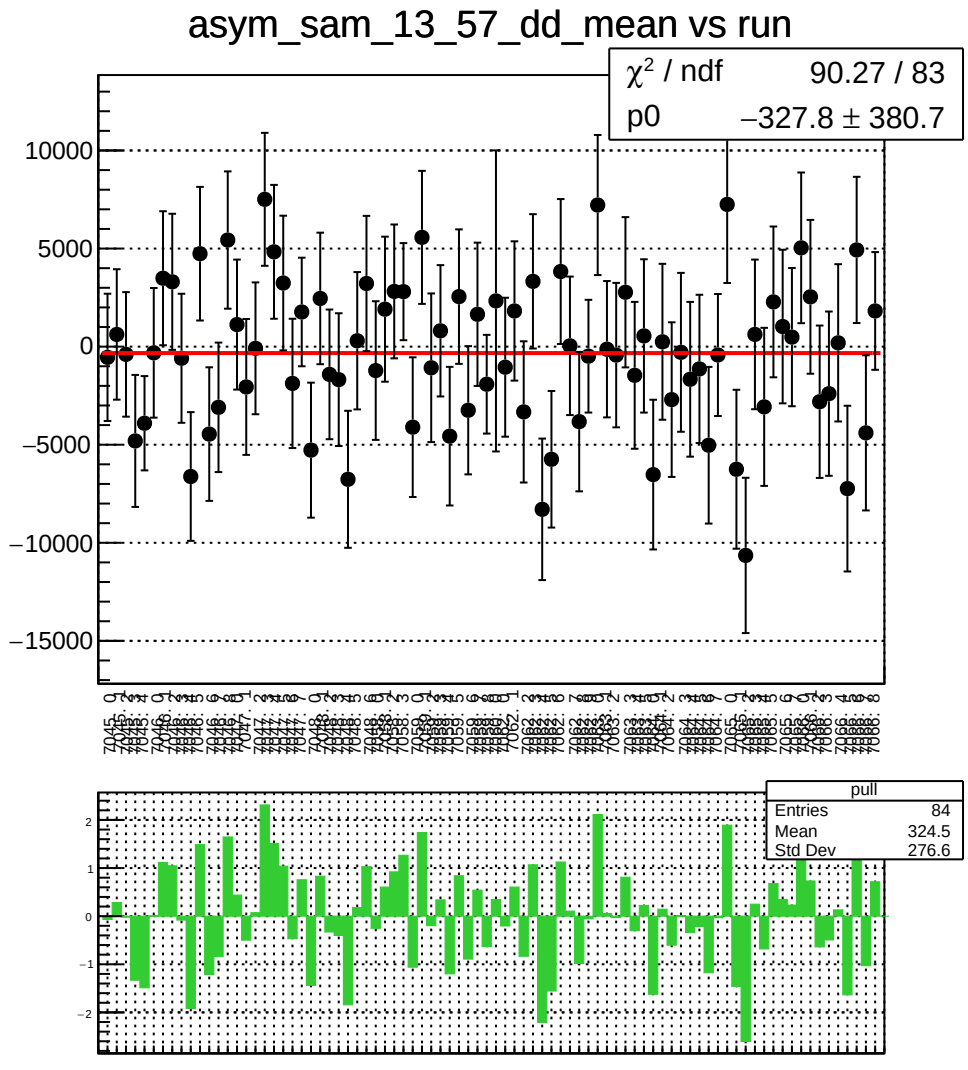

pull1D
Entries 84
Mean 0.008336
Std Dev 0.9441
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

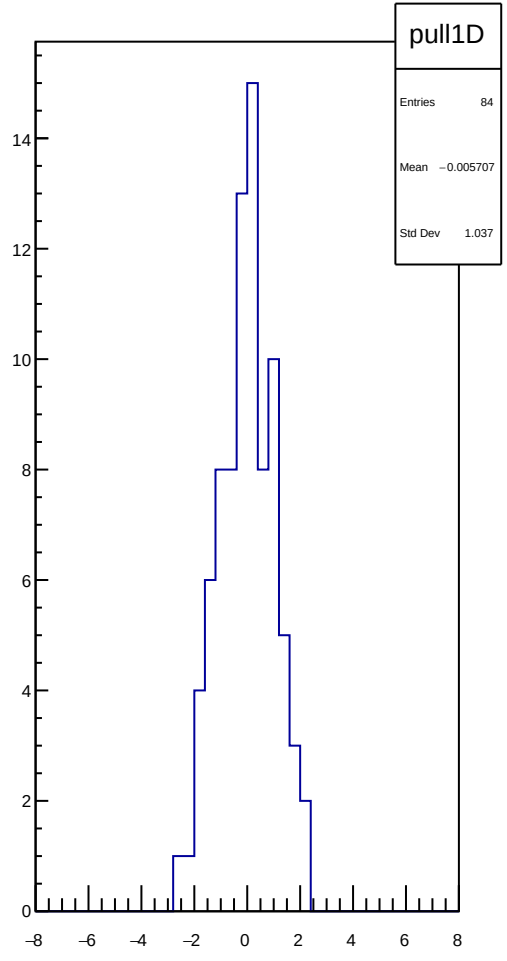

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 3134 / 83
p0 60.87 ± 0.04825
68
66
64
62
60
58
56

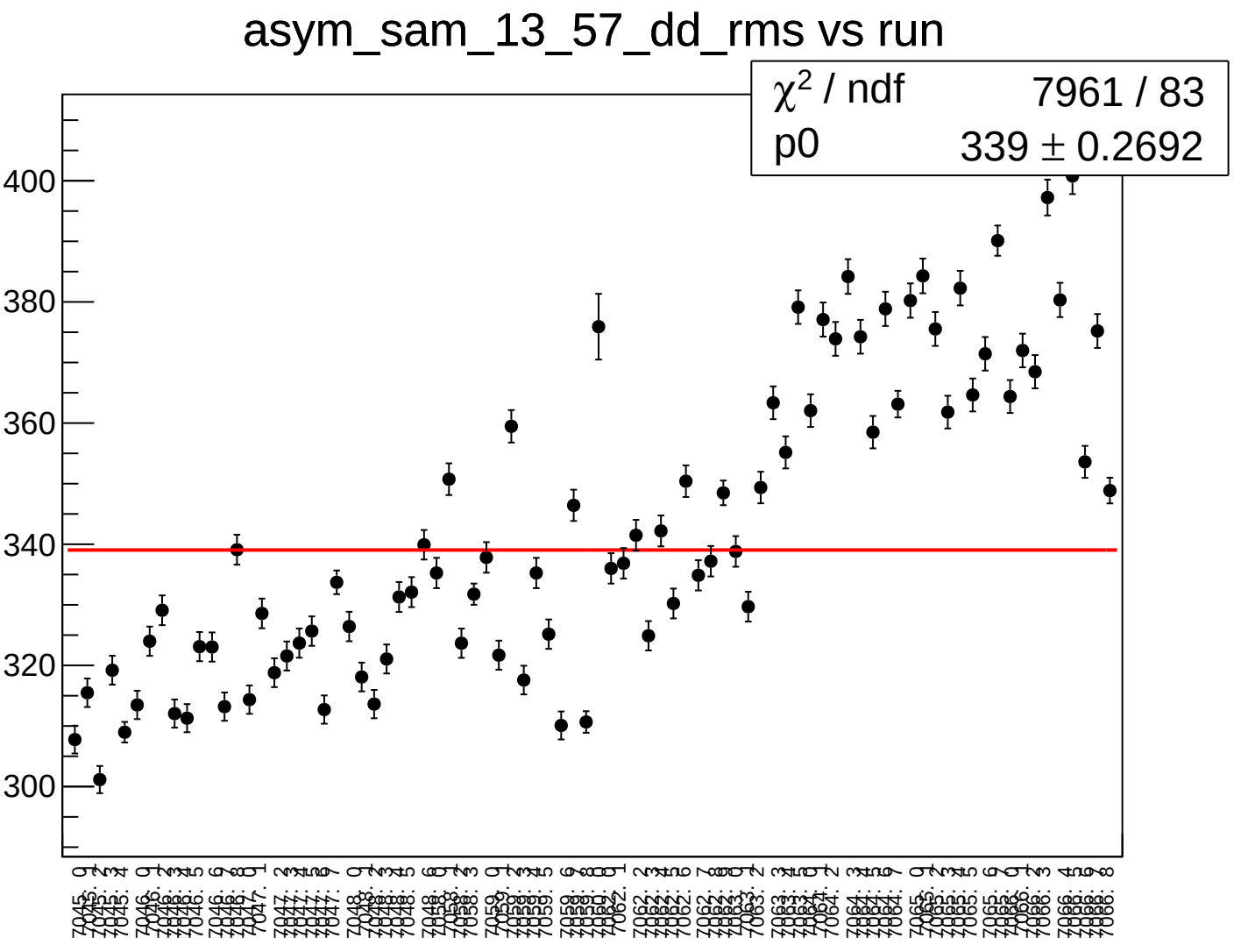

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 83.67 / 83
p0 −1.748 ± 395
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 258.5
Std Dev 215.7
2
1
0
−1
−2

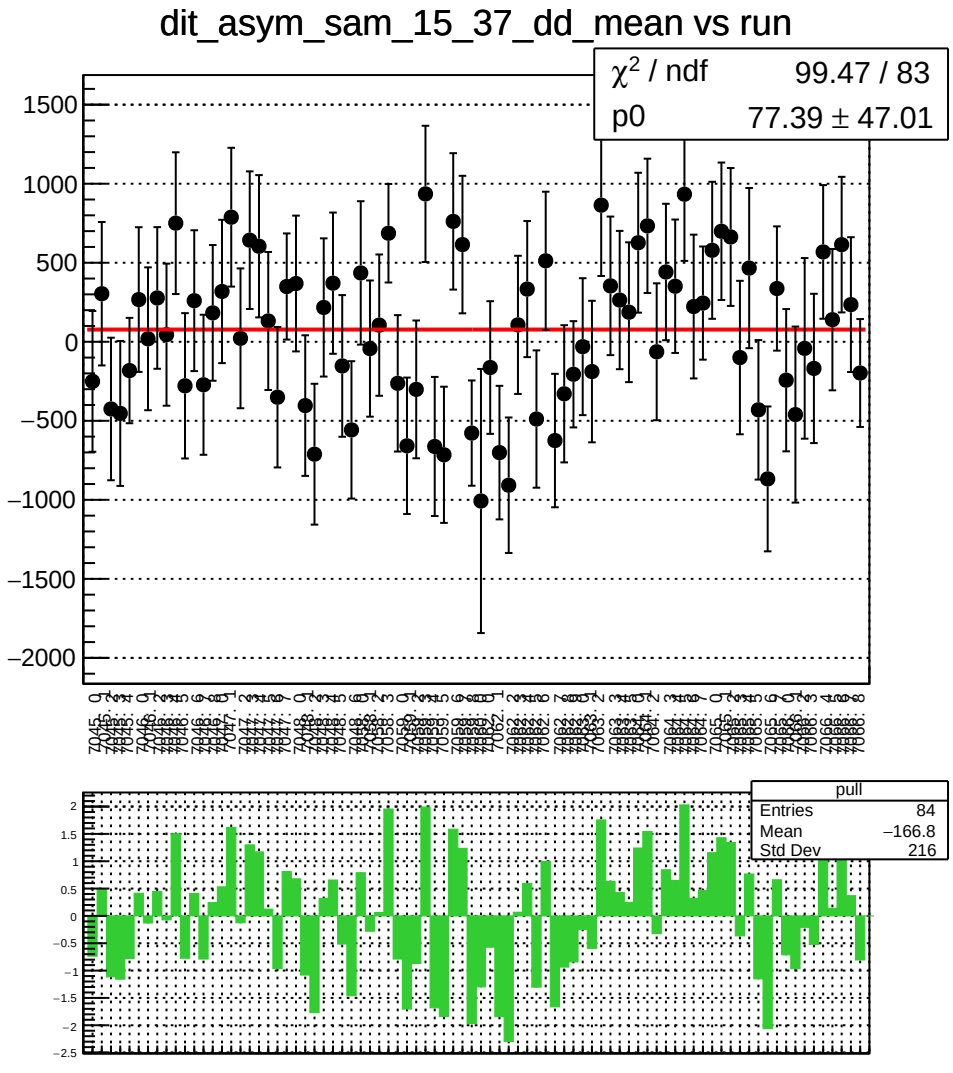

pull1D
Entries 84
Mean 0.006279
Std Dev 0.998
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

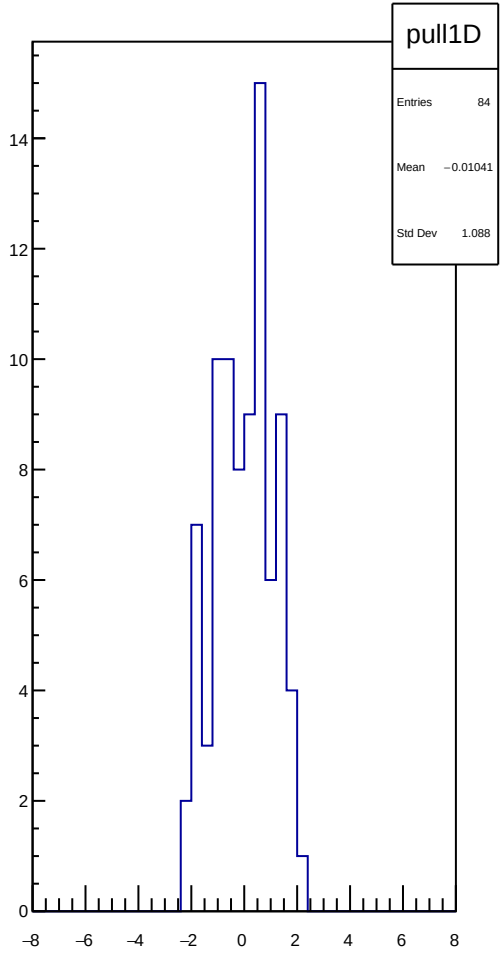

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 4804 / 83
p0 352.2 ± 0.2793
400
380
360
340
320

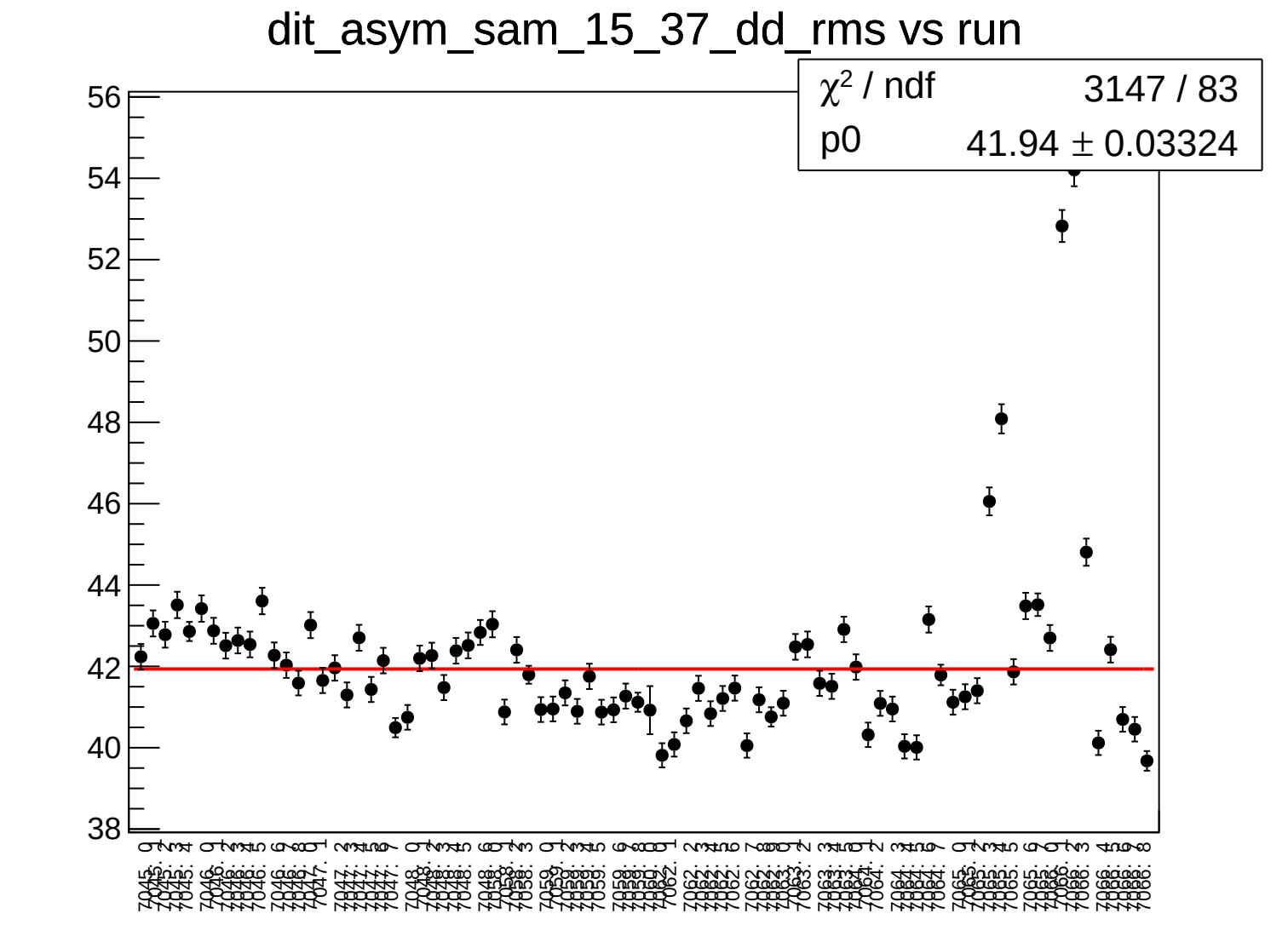

asym_sam_13_57_dd_mean vs run
χ² / ndf 90.27 / 83
p0 −327.8 ± 380.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 324.5
Std Dev 276.6
2
1
0
−1
−2

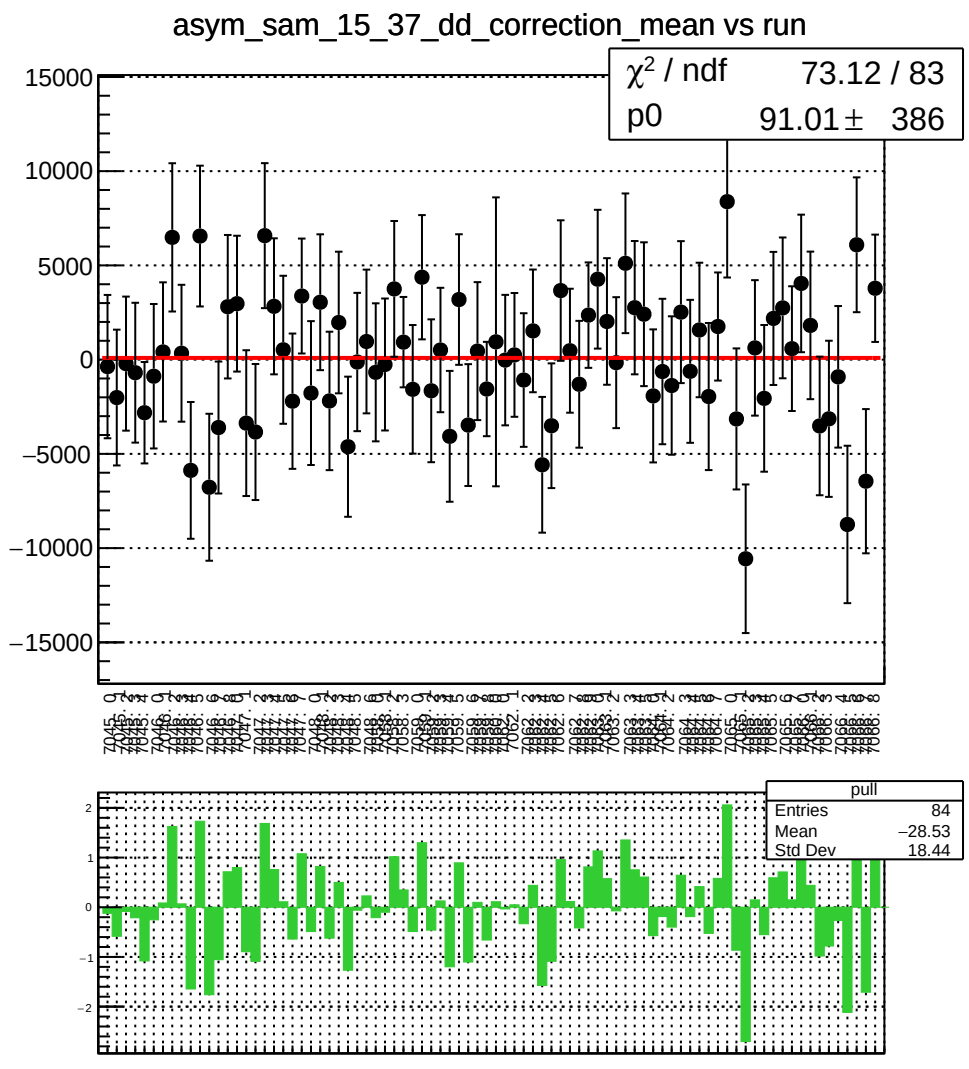

pull1D
Entries 84
Mean −0.005707
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

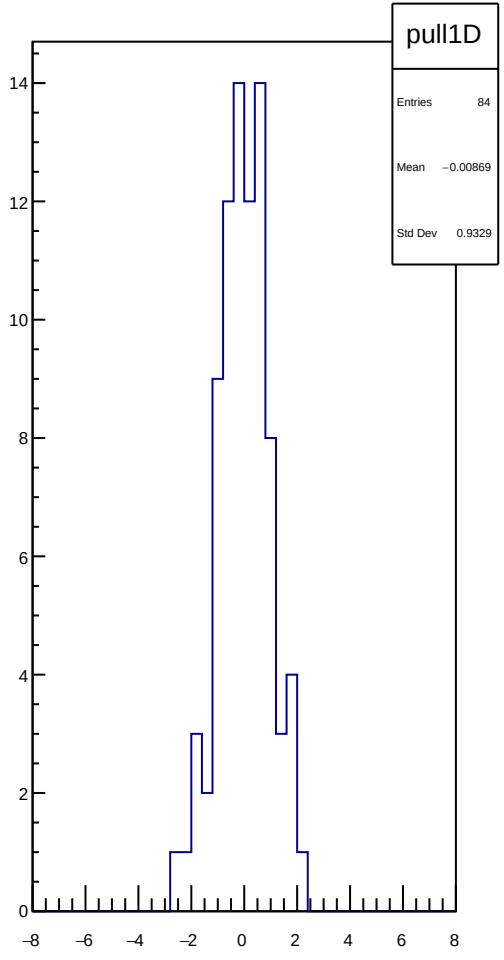

asym_sam_13_57_dd_rms vs run
χ² / ndf 7961 / 83
p0 339 ± 0.2692
400
380
360
340
320
300

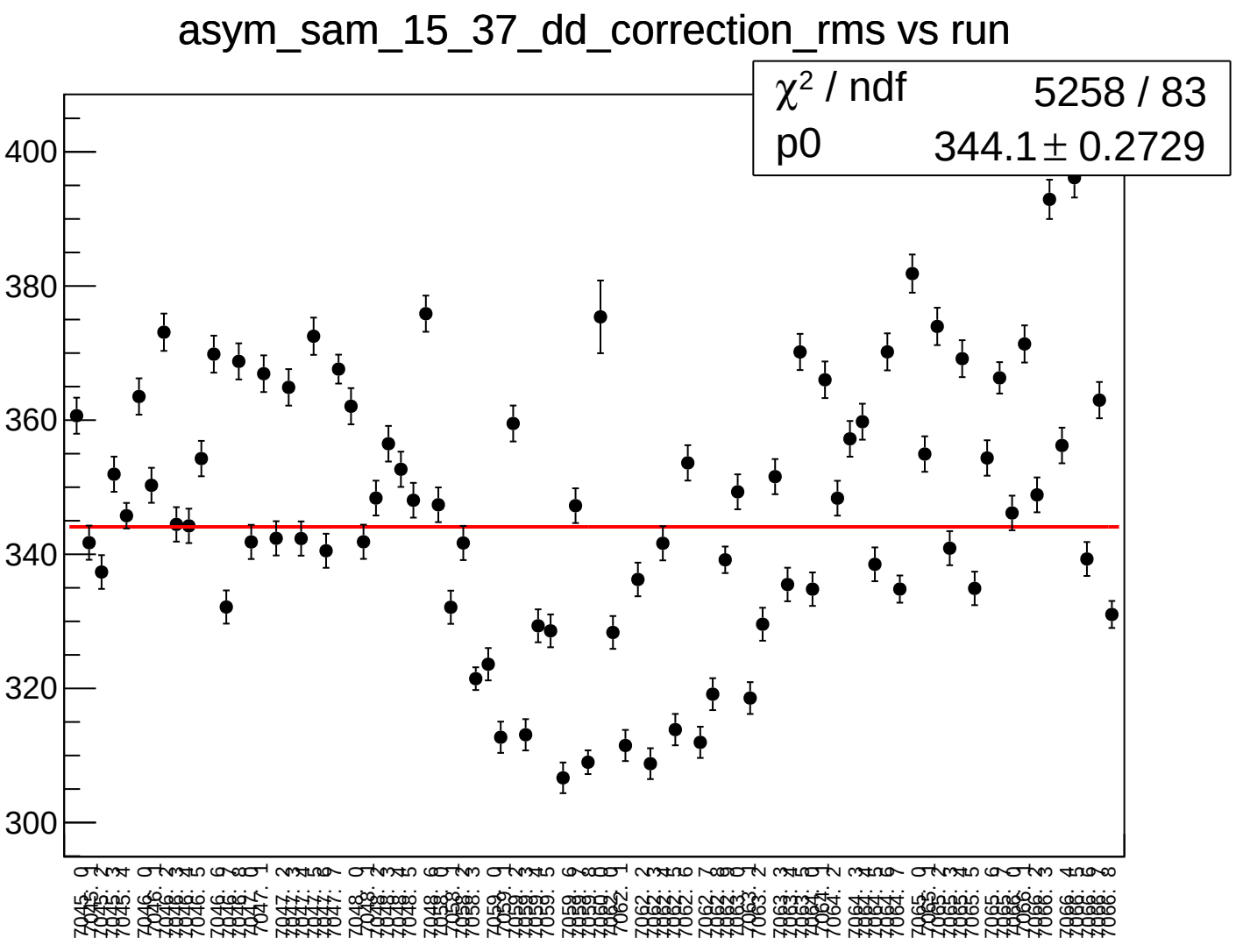

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 99.47 / 83
p0 77.39 ± 47.01
pull
Entries 84
Mean −166.8
Std Dev 216

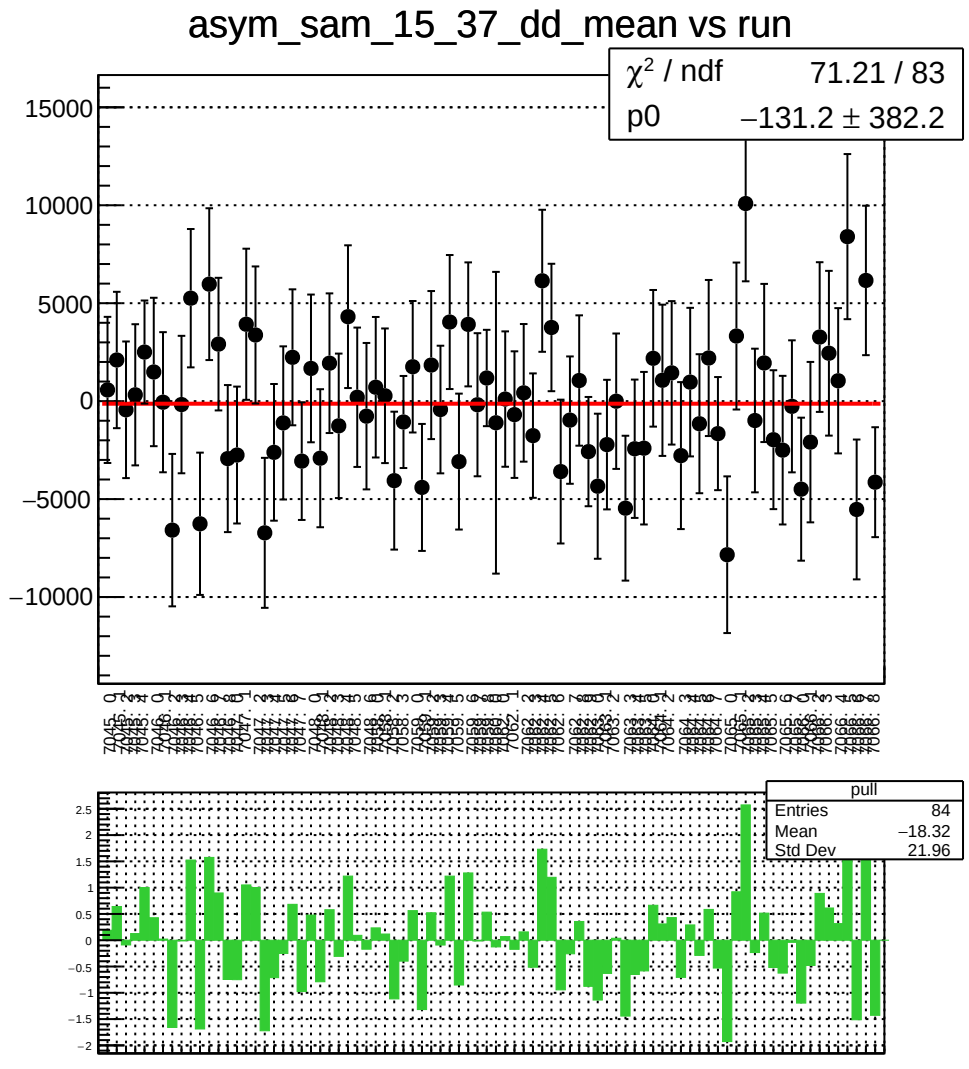

pull1D
Entries 84
Mean −0.01041
Std Dev 1.088

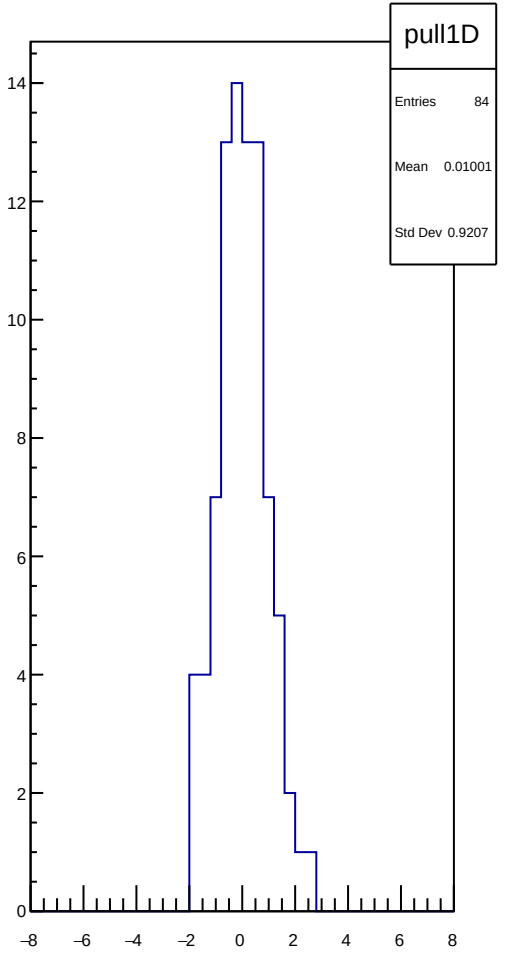

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3147 / 83
p0 41.94 ± 0.03324
56
54
52
50
48
46
44
42
40
38

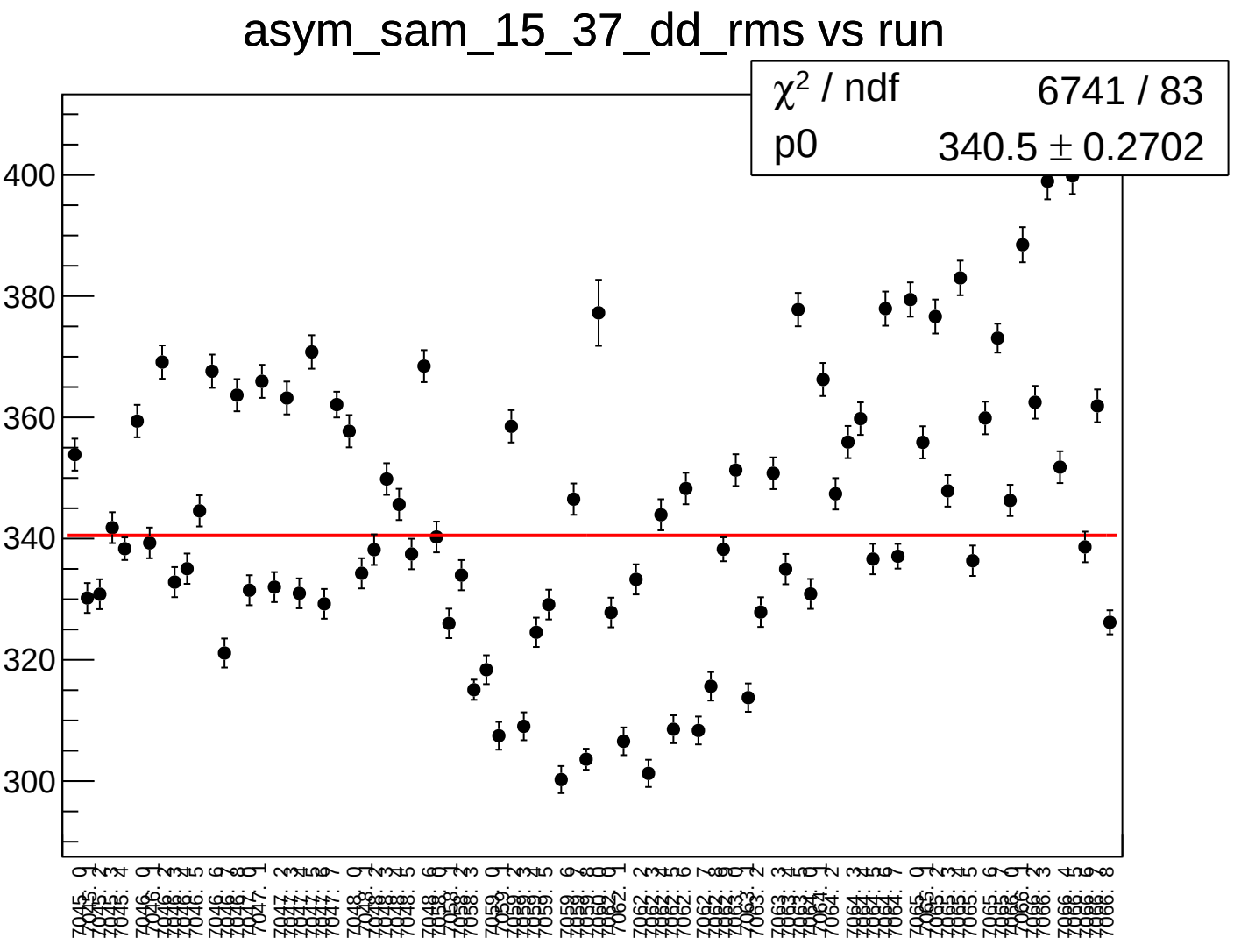

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 73.12 / 83
p0 91.01 ± 386
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −28.53
Std Dev 18.44
2
1
0
−1
−2

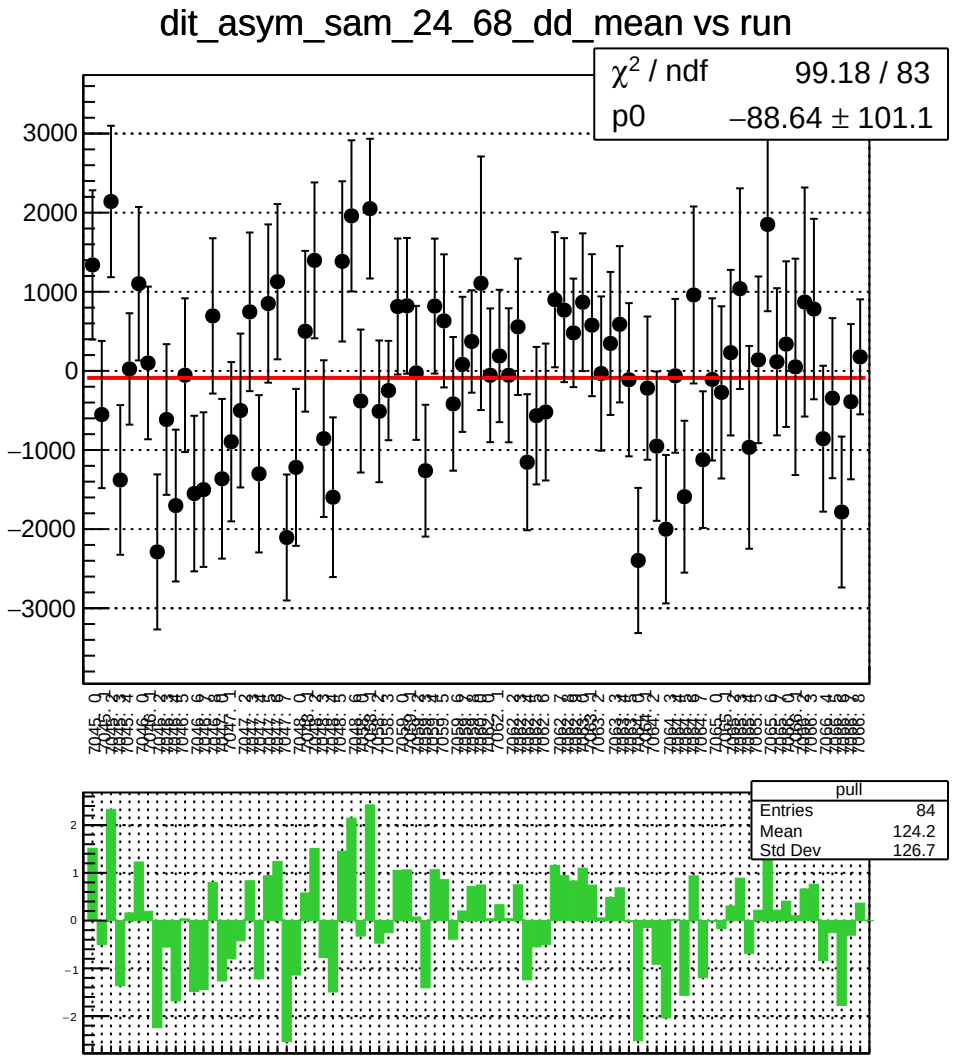

pull1D
Entries 84
Mean −0.00869
Std Dev 0.9329
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

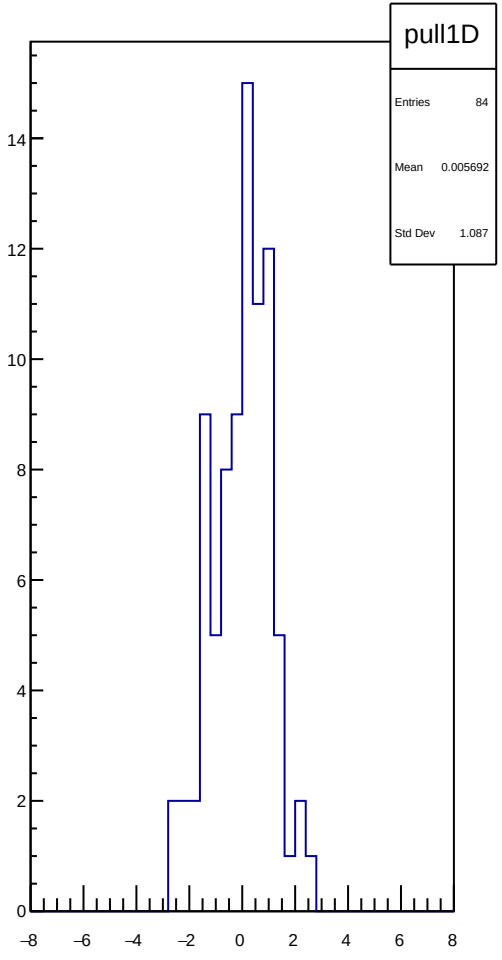

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 5258 / 83
p0 344.1 ± 0.2729
400
380
360
340
320
300

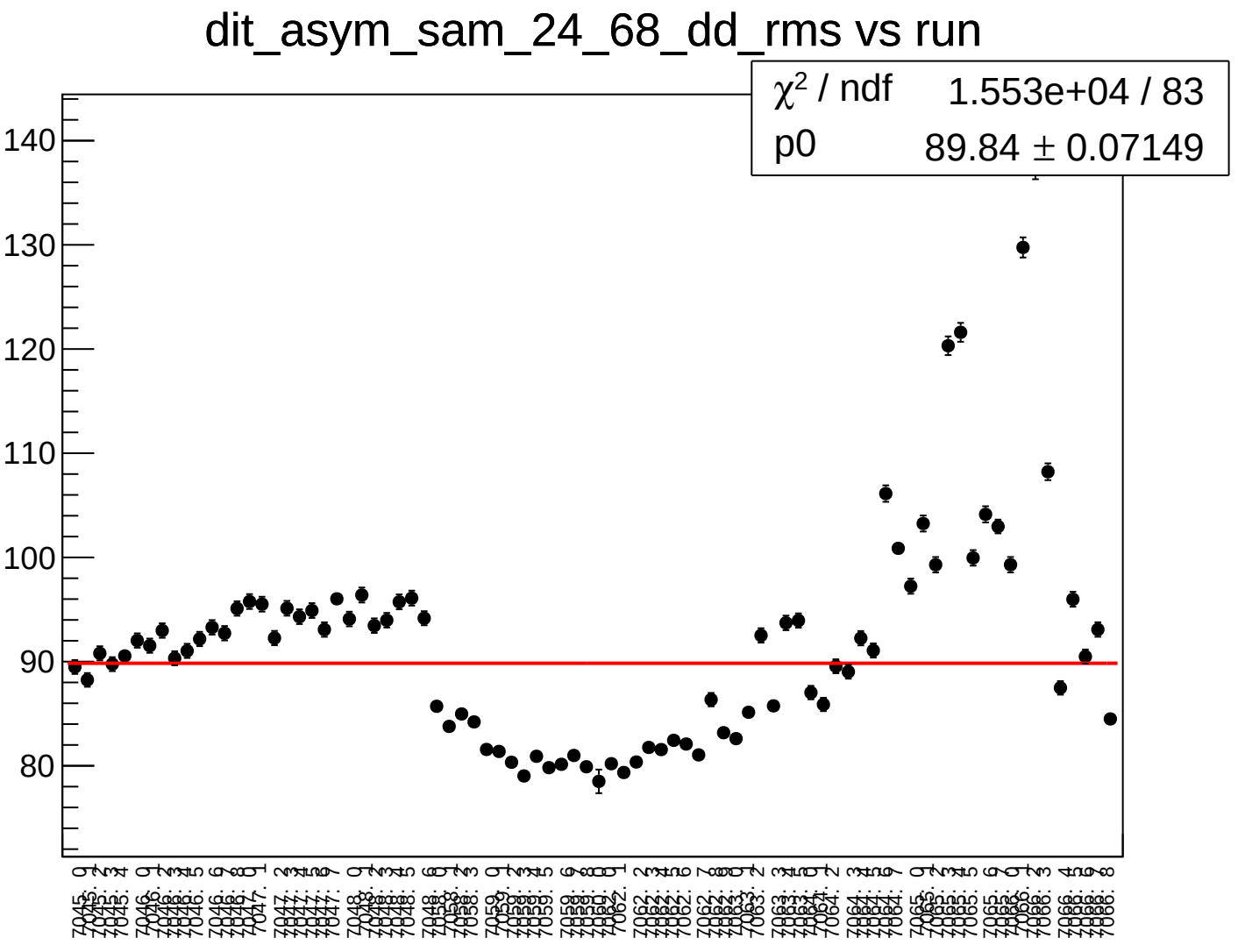

asym_sam_15_37_dd_mean vs run
χ² / ndf 71.21 / 83
p0 −131.2 ± 382.2
15000
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −18.32
Std Dev 21.96
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

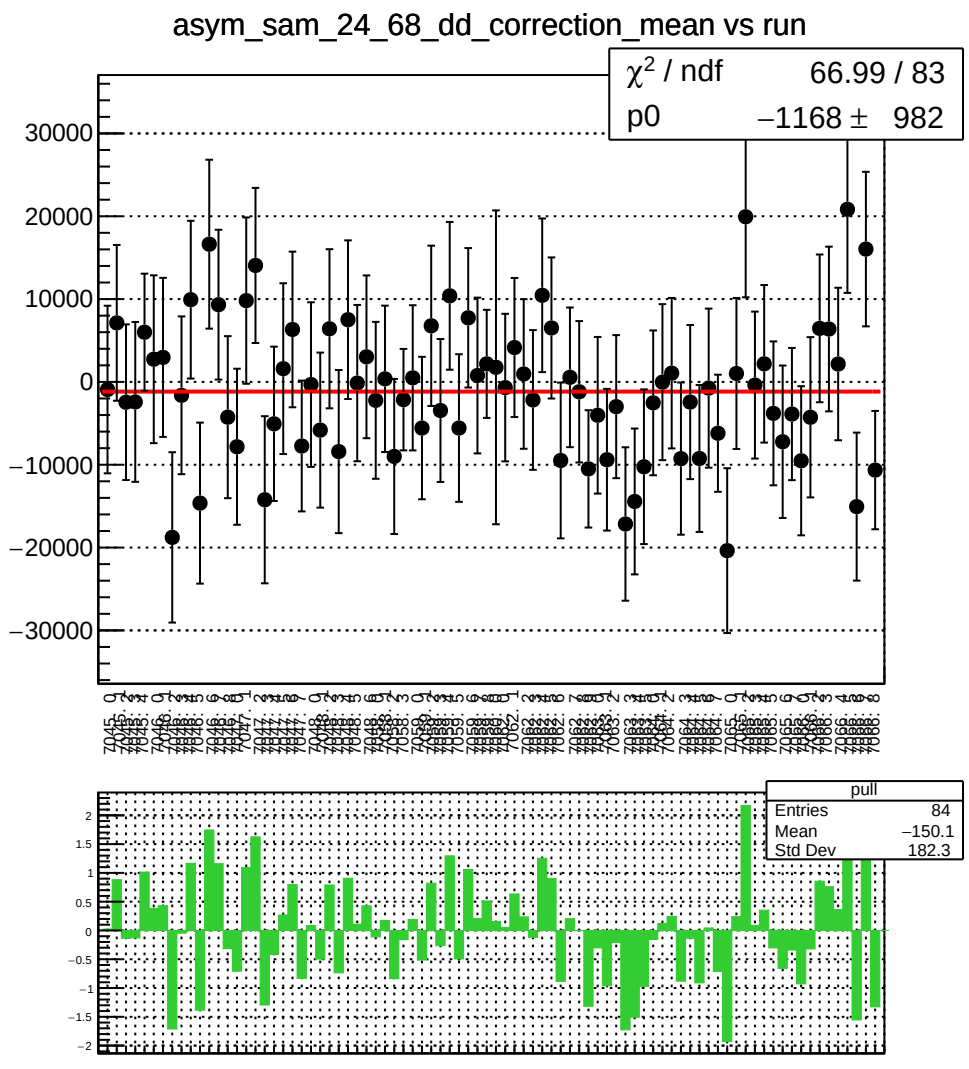

pull1D
Entries 84
Mean 0.01001
Std Dev 0.9207
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

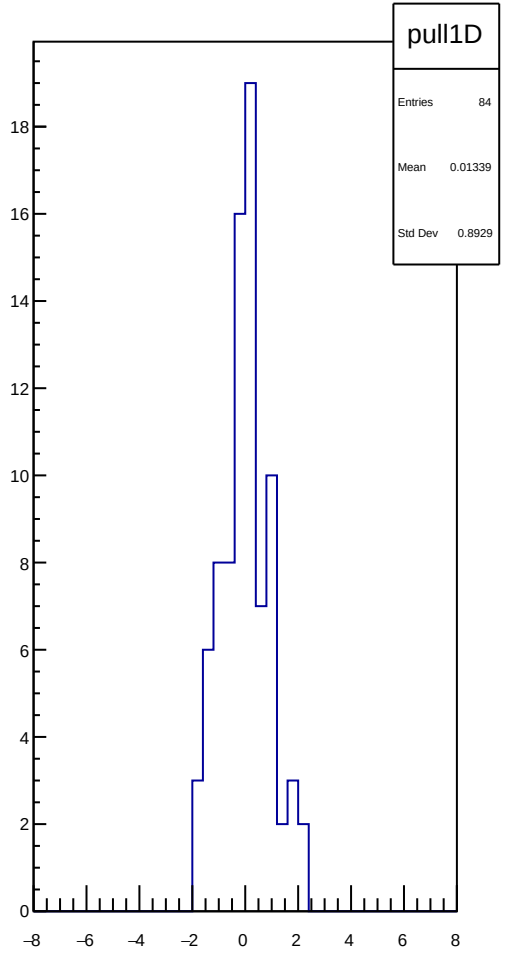

asym_sam_15_37_dd_rms vs run
χ² / ndf 6741 / 83
p0 340.5 ± 0.2702
400
380
360
340
320
300

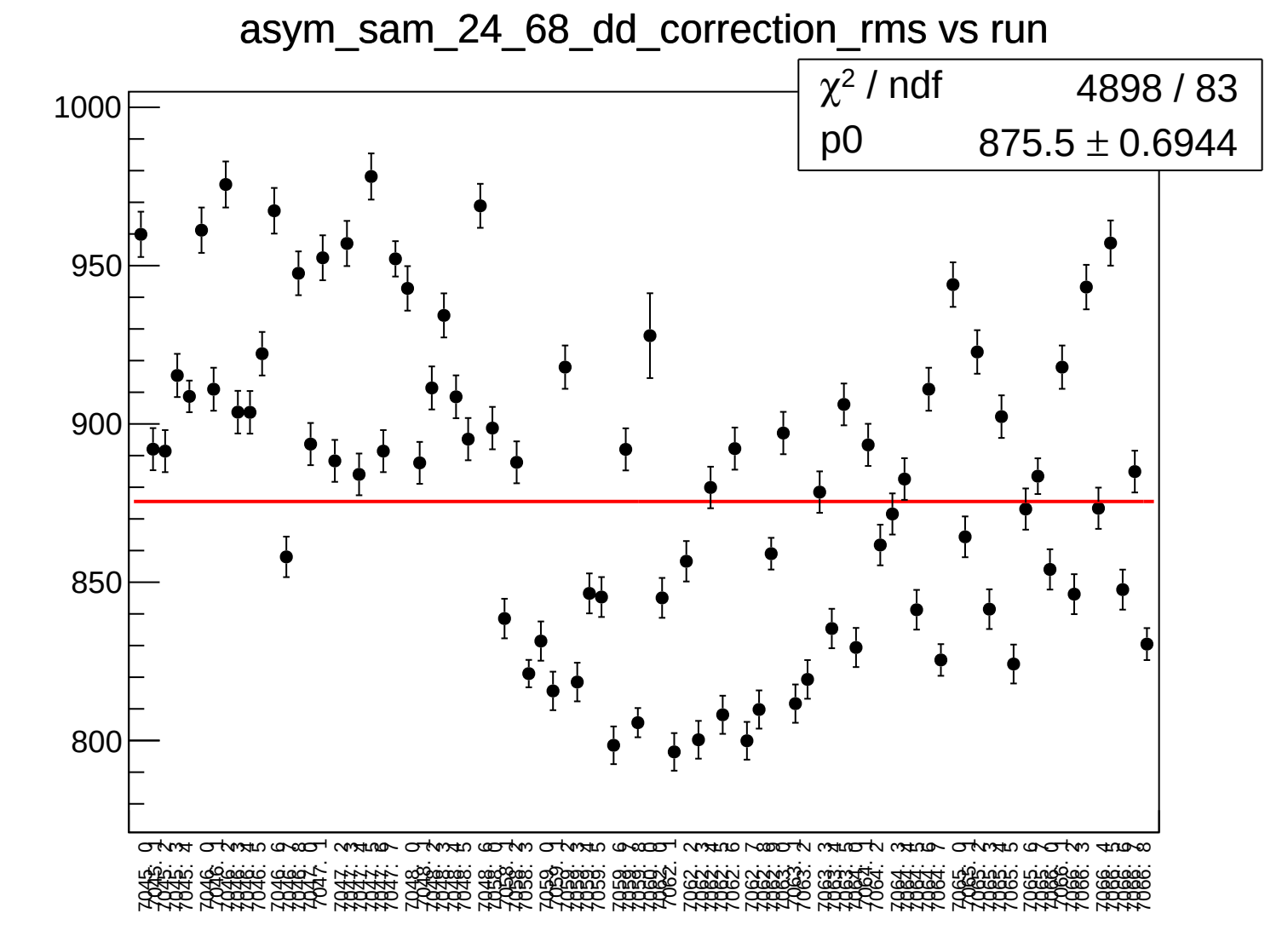

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 99.18 / 83
p0 −88.64 ± 101.1
pull
Entries 84
Mean 124.2
Std Dev 126.7

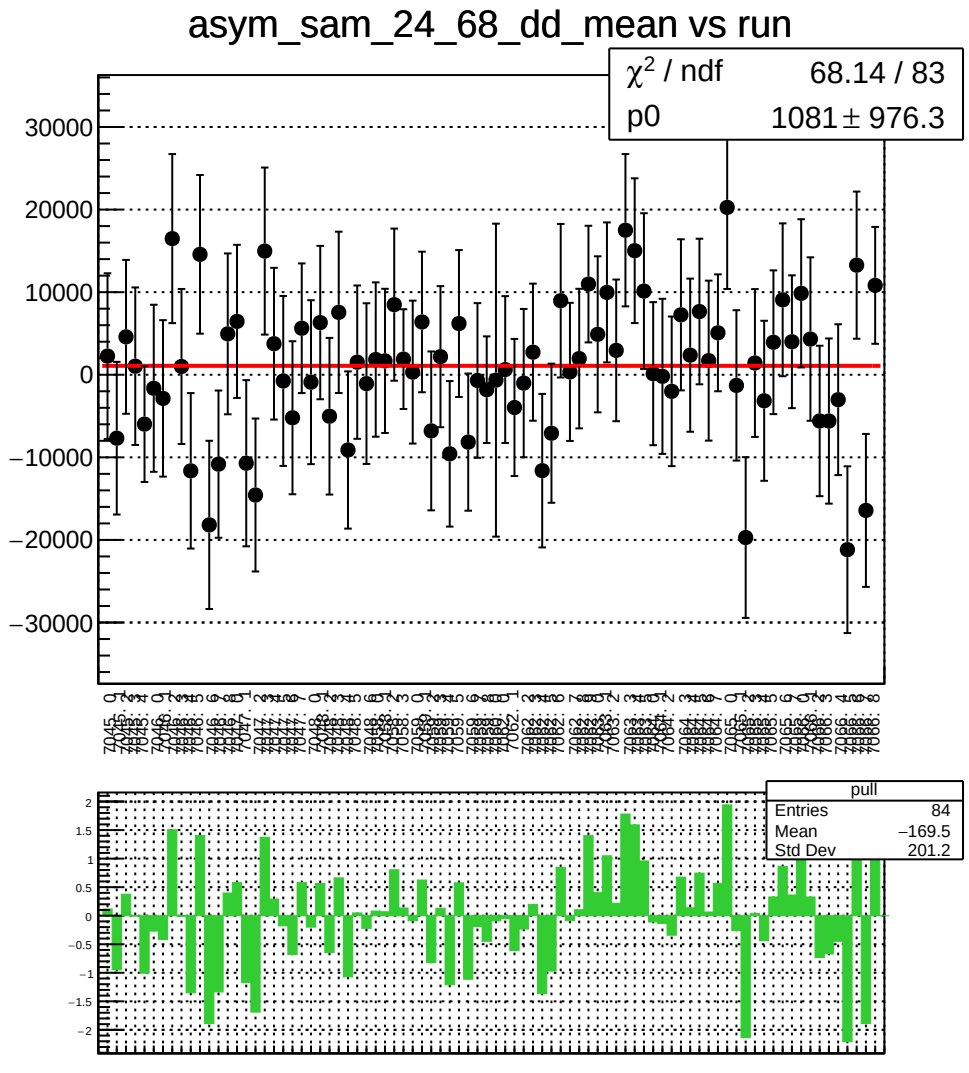

pull1D
Entries 84
Mean 0.005692
Std Dev 1.087

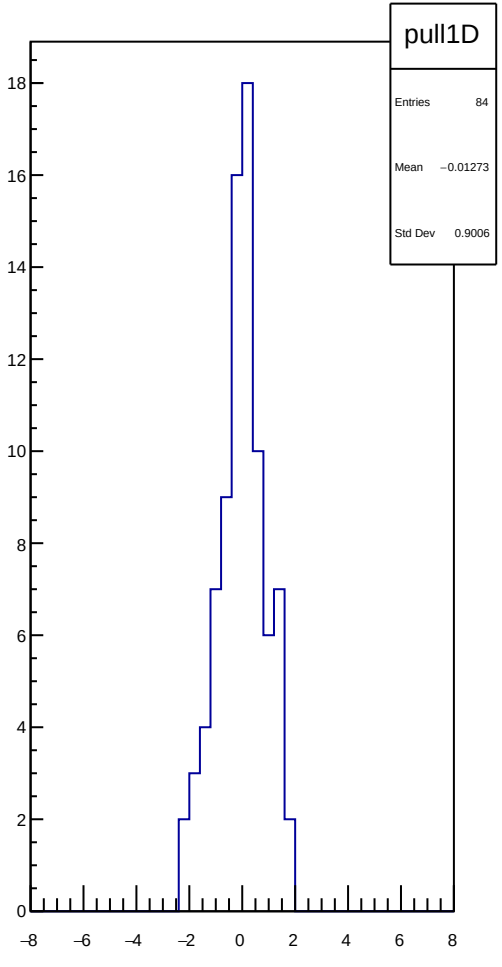

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.553e+04 / 83
p0 89.84 ± 0.07149
140
130
120
110
100
90
80

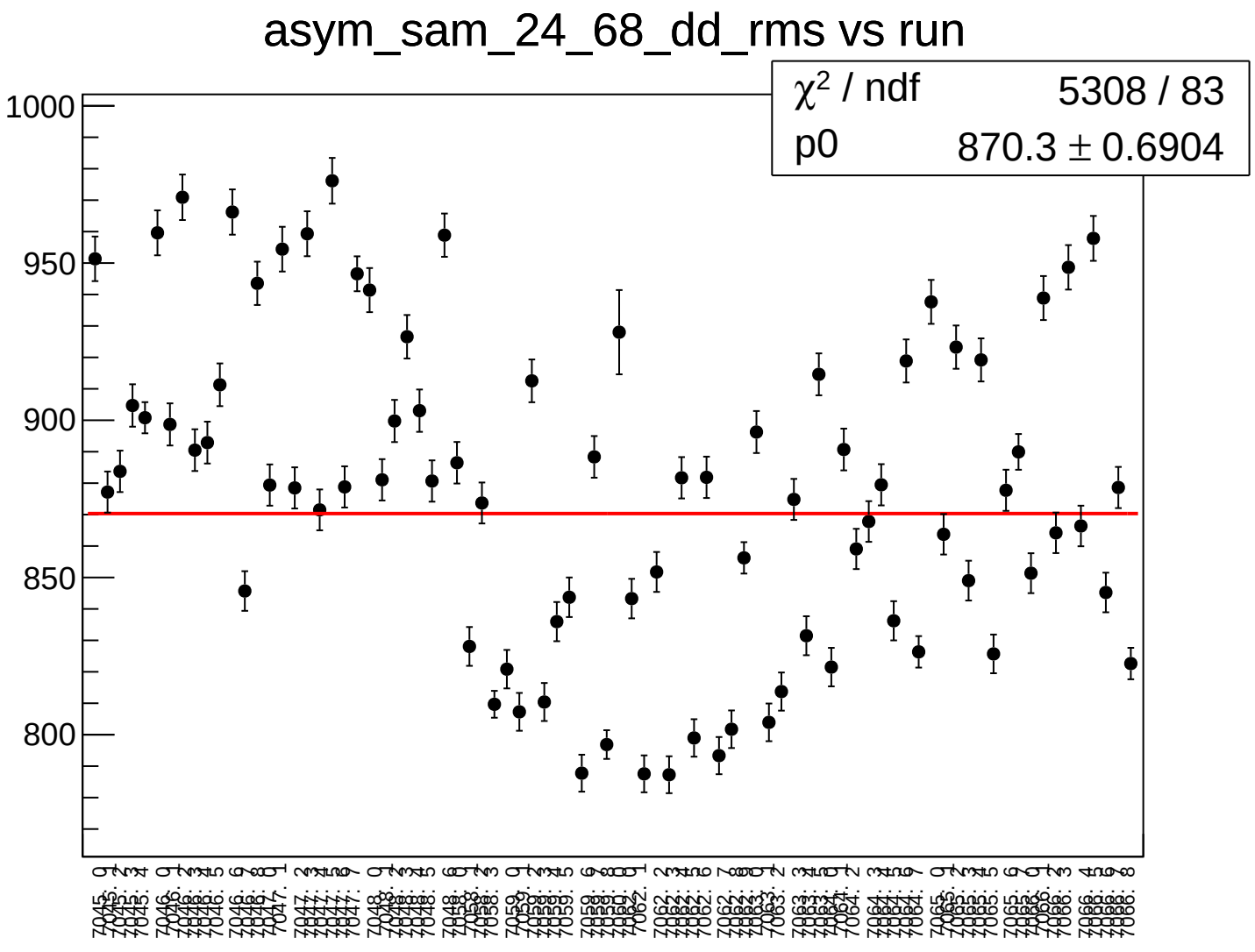

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 66.99 / 83
p0 −1168 ± 982
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −150.1
Std Dev 182.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

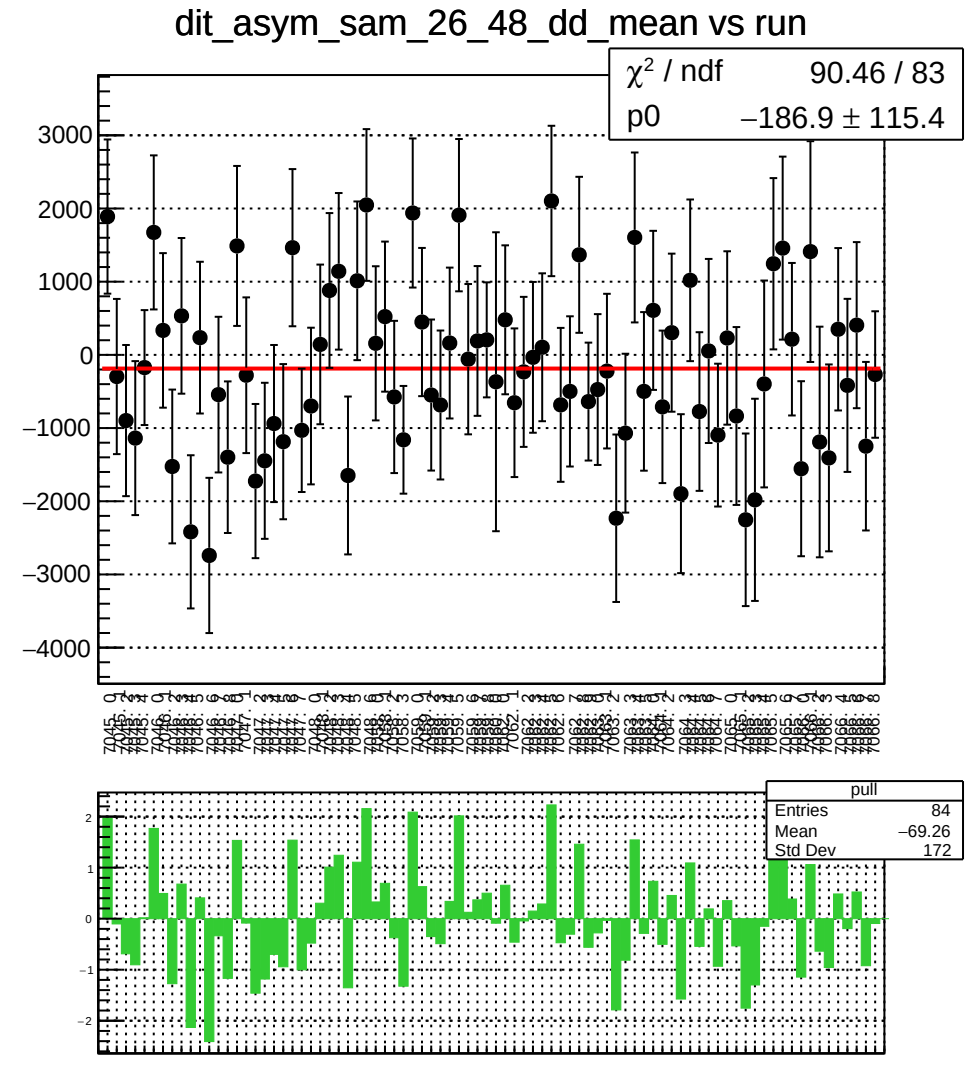

pull1D
Entries 84
Mean 0.01339
Std Dev 0.8929
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

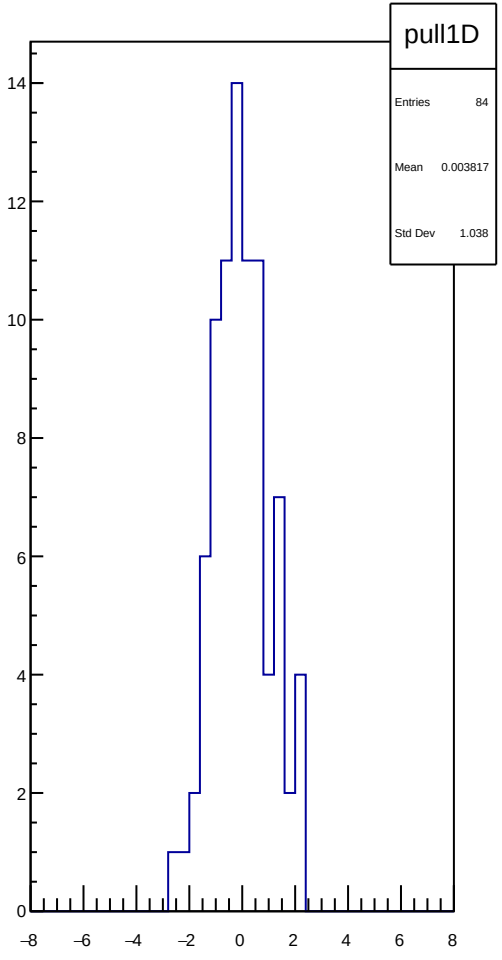

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4898 / 83
p0 875.5 ± 0.6944
1000
950
900
850
800

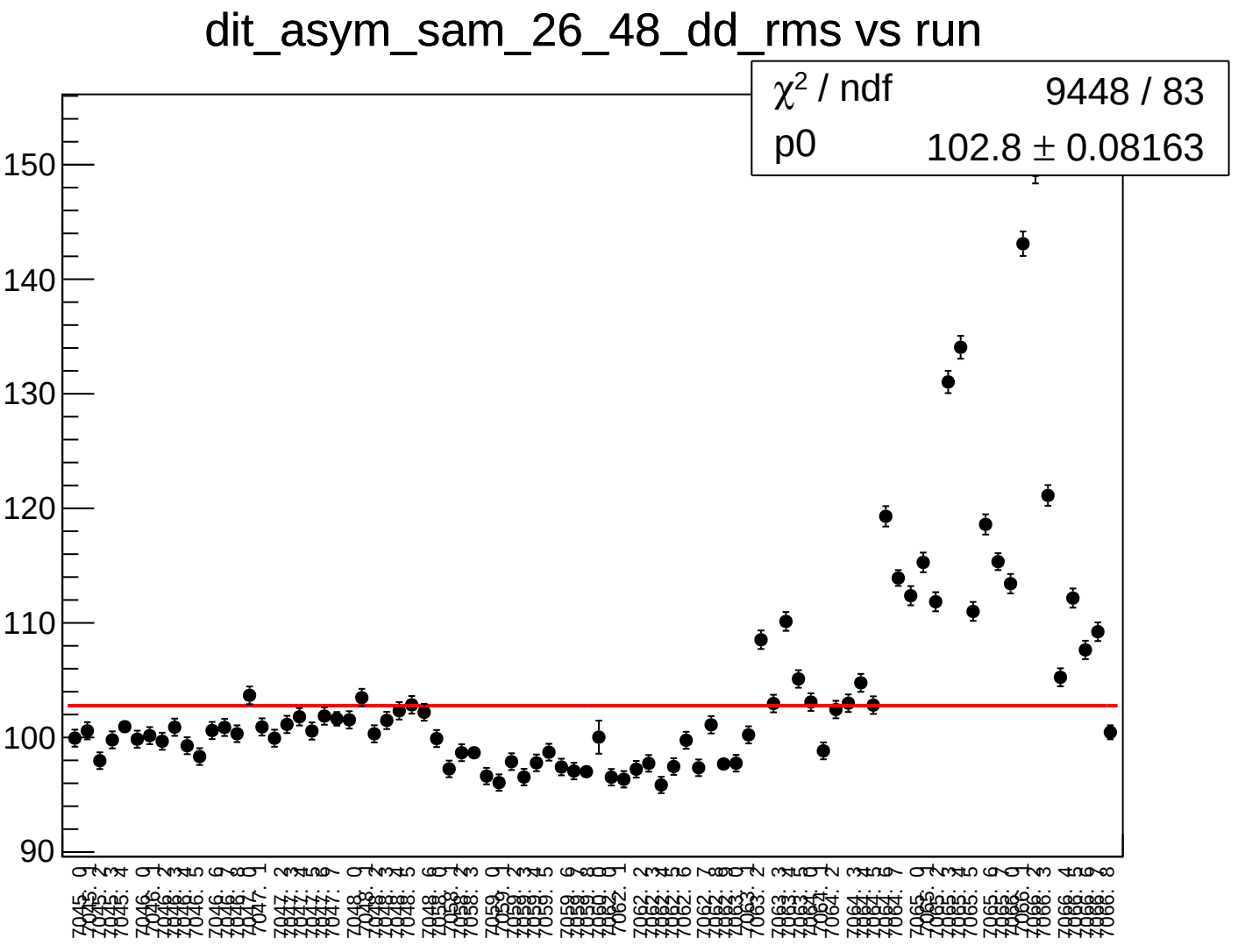

asym_sam_24_68_dd_mean vs run
χ² / ndf 68.14 / 83
p0 1081 ± 976.3
pull
Entries 84
Mean −169.5
Std Dev 201.2

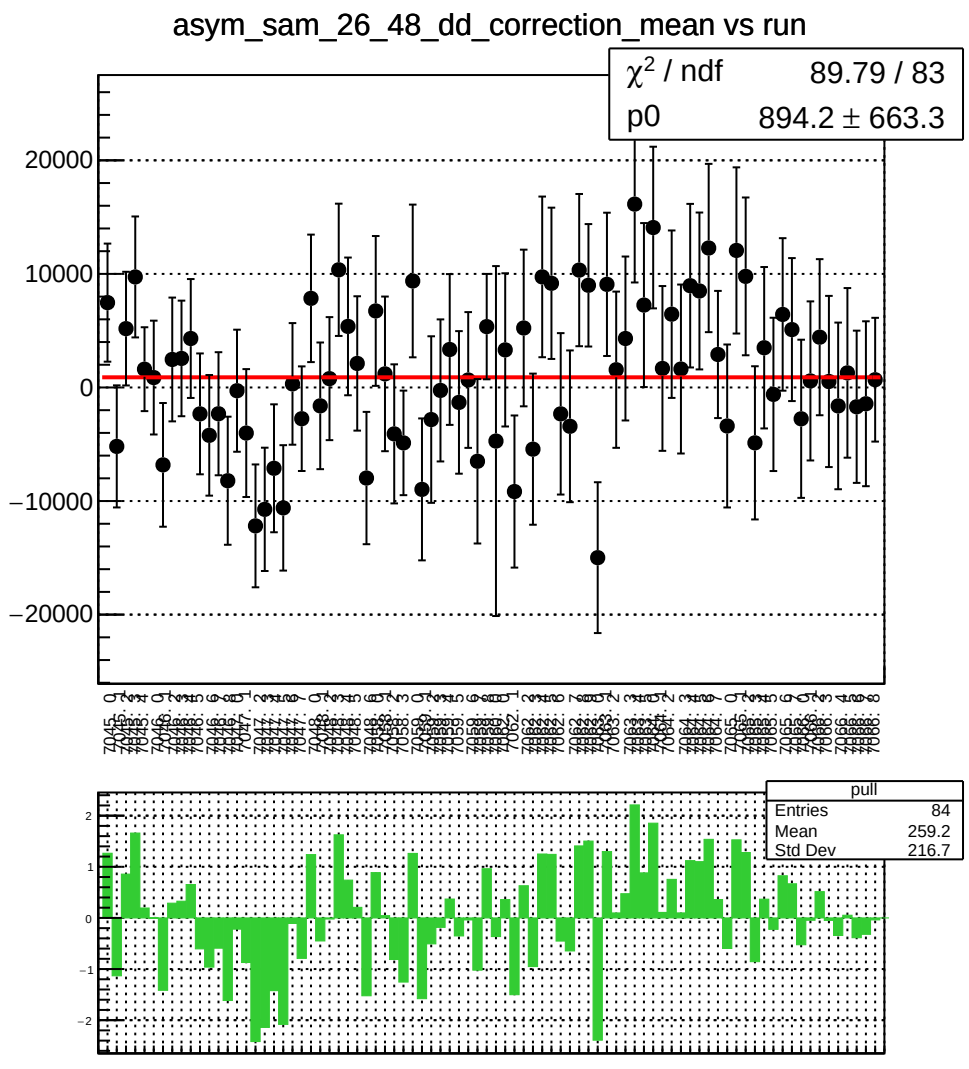

pull1D
Entries 84
Mean −0.01273
Std Dev 0.9006

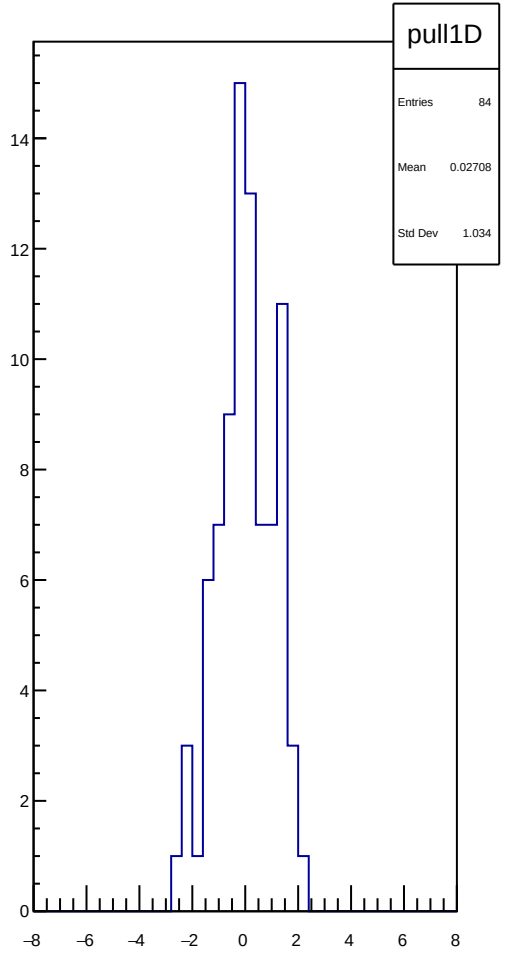

asym_sam_24_68_dd_rms vs run
χ² / ndf 5308 / 83
p0 870.3 ± 0.6904
1000
950
900
850
800

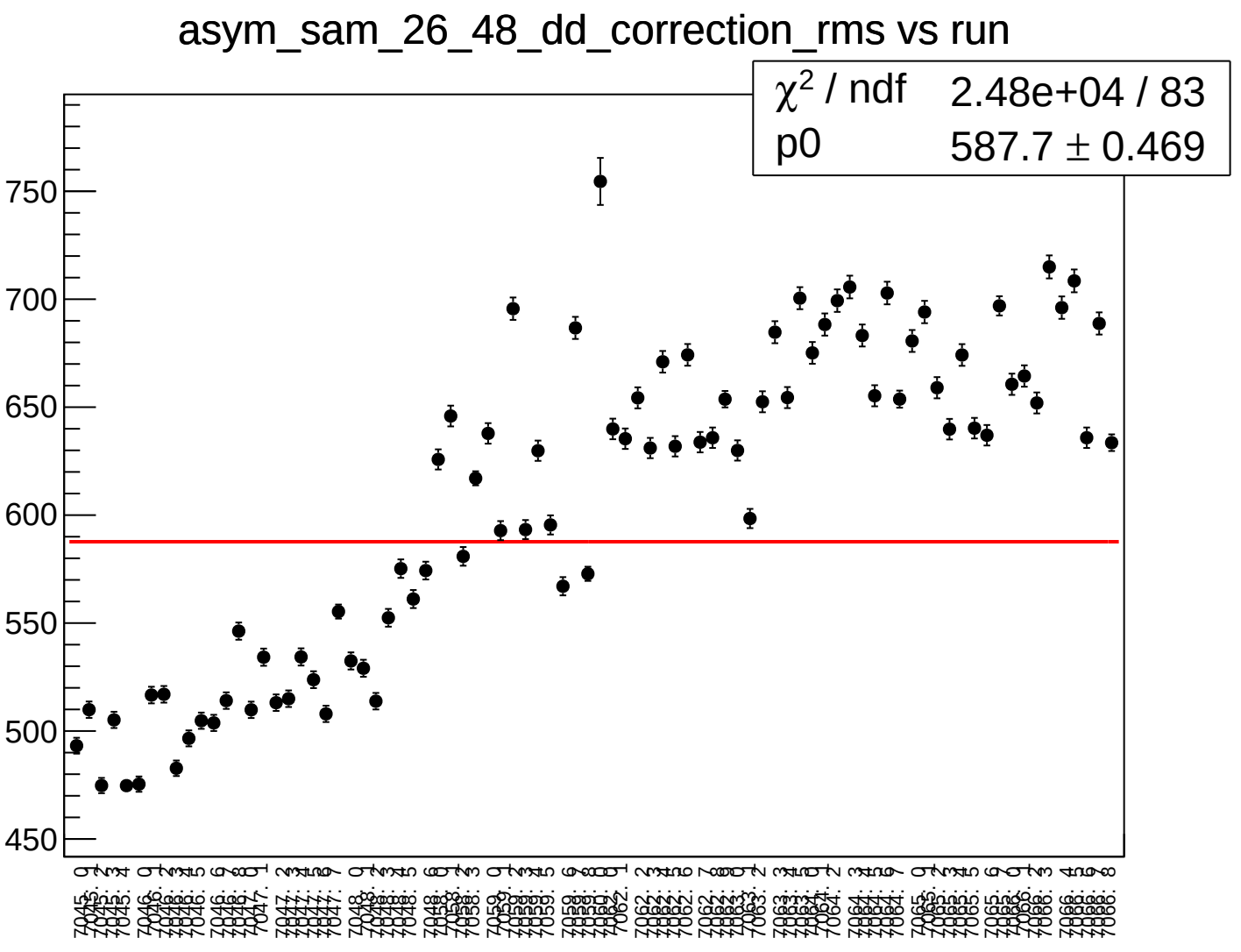

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 90.46 / 83
p0 −186.9 ± 115.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 84
Mean −69.26
Std Dev 172
2
1
0
−1
−2

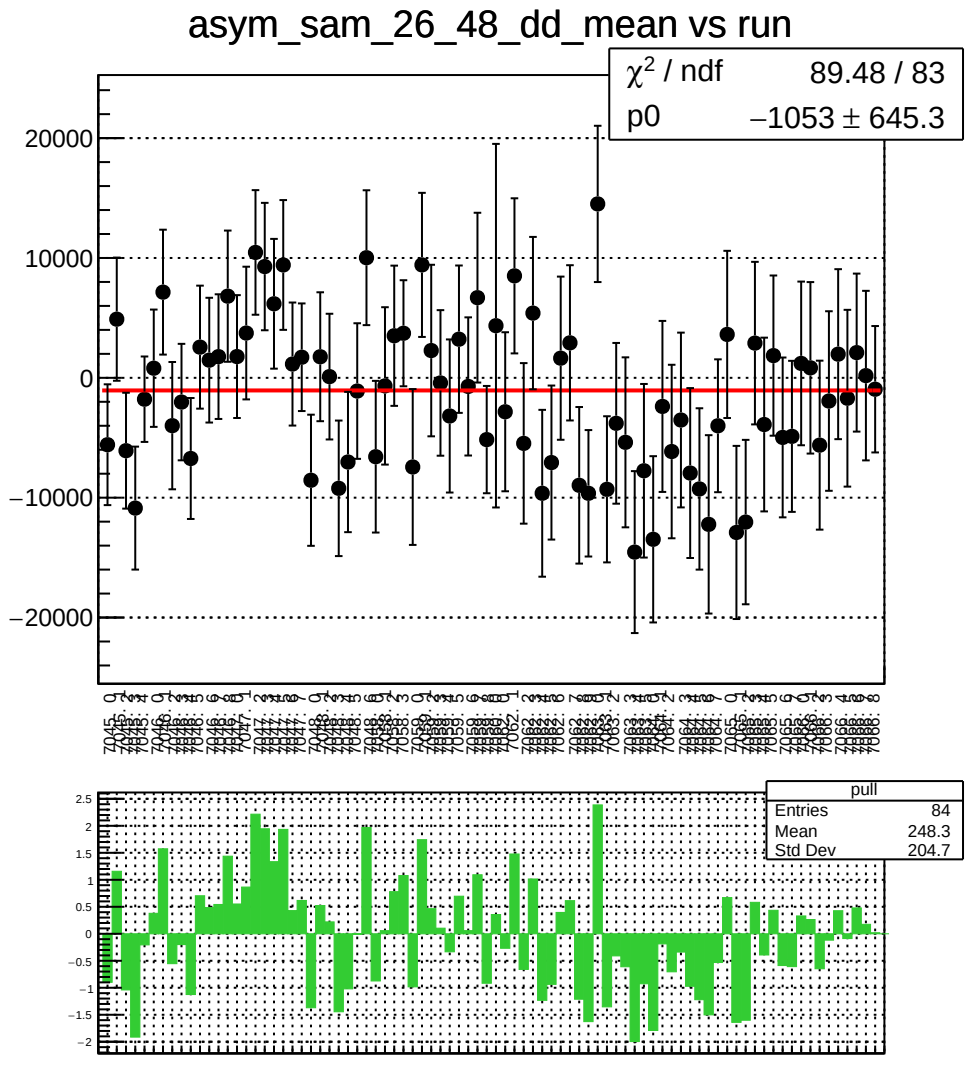

pull1D
Entries 84
Mean 0.003817
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

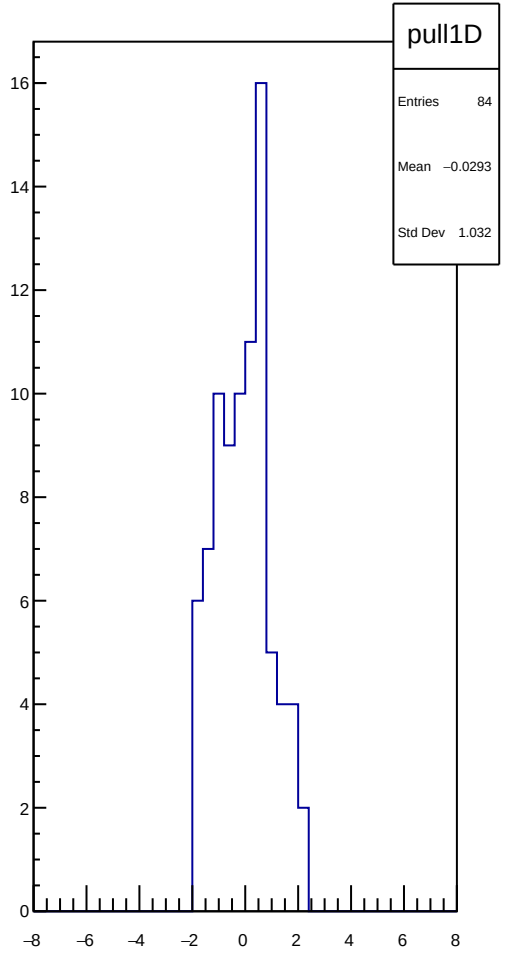

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 9448 / 83
p0 102.8 ± 0.08163
150
140
130
120
110
100
90

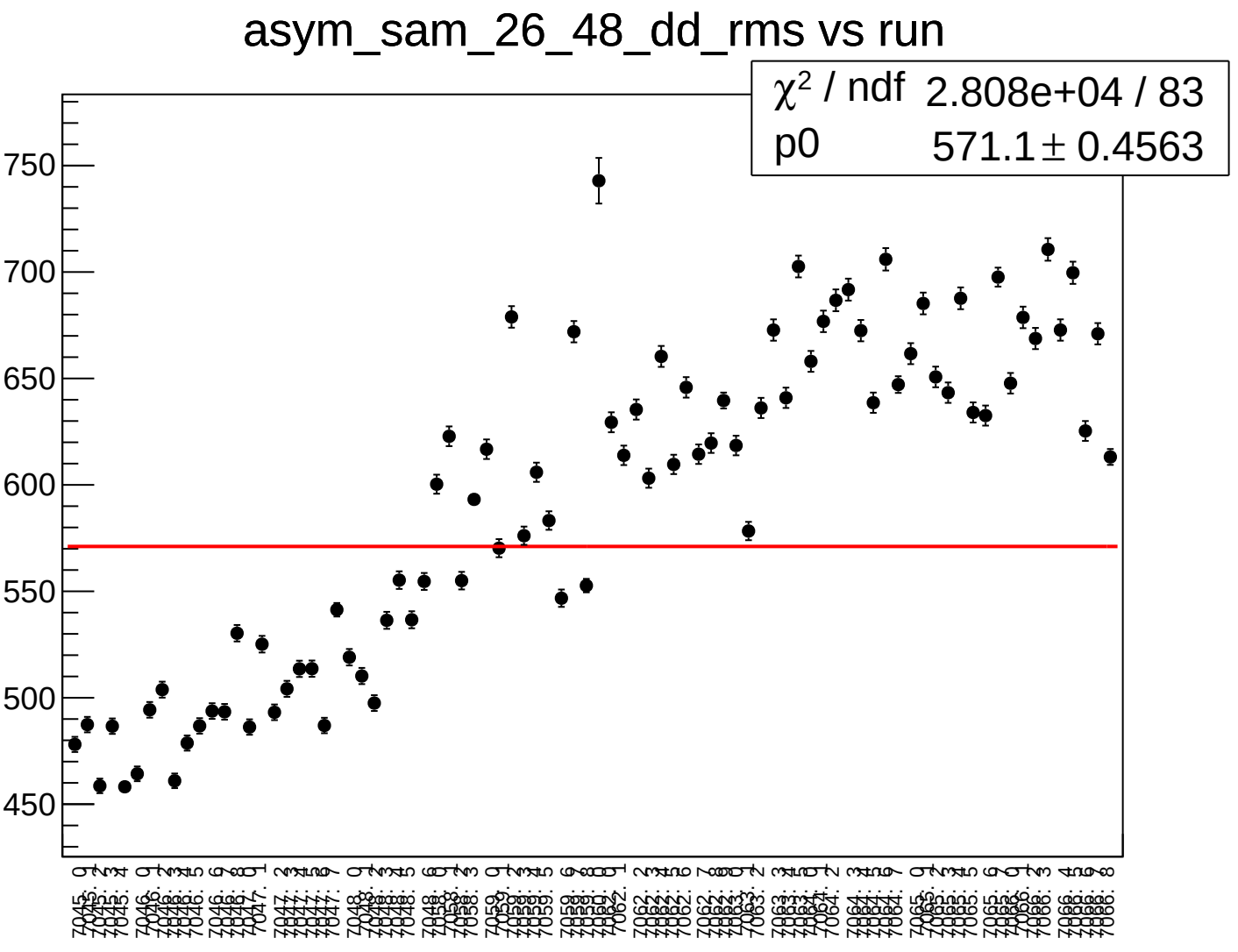

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 89.79 / 83
p0 894.2 ± 663.3
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 259.2
Std Dev 216.7
2
1
0
−1
−2

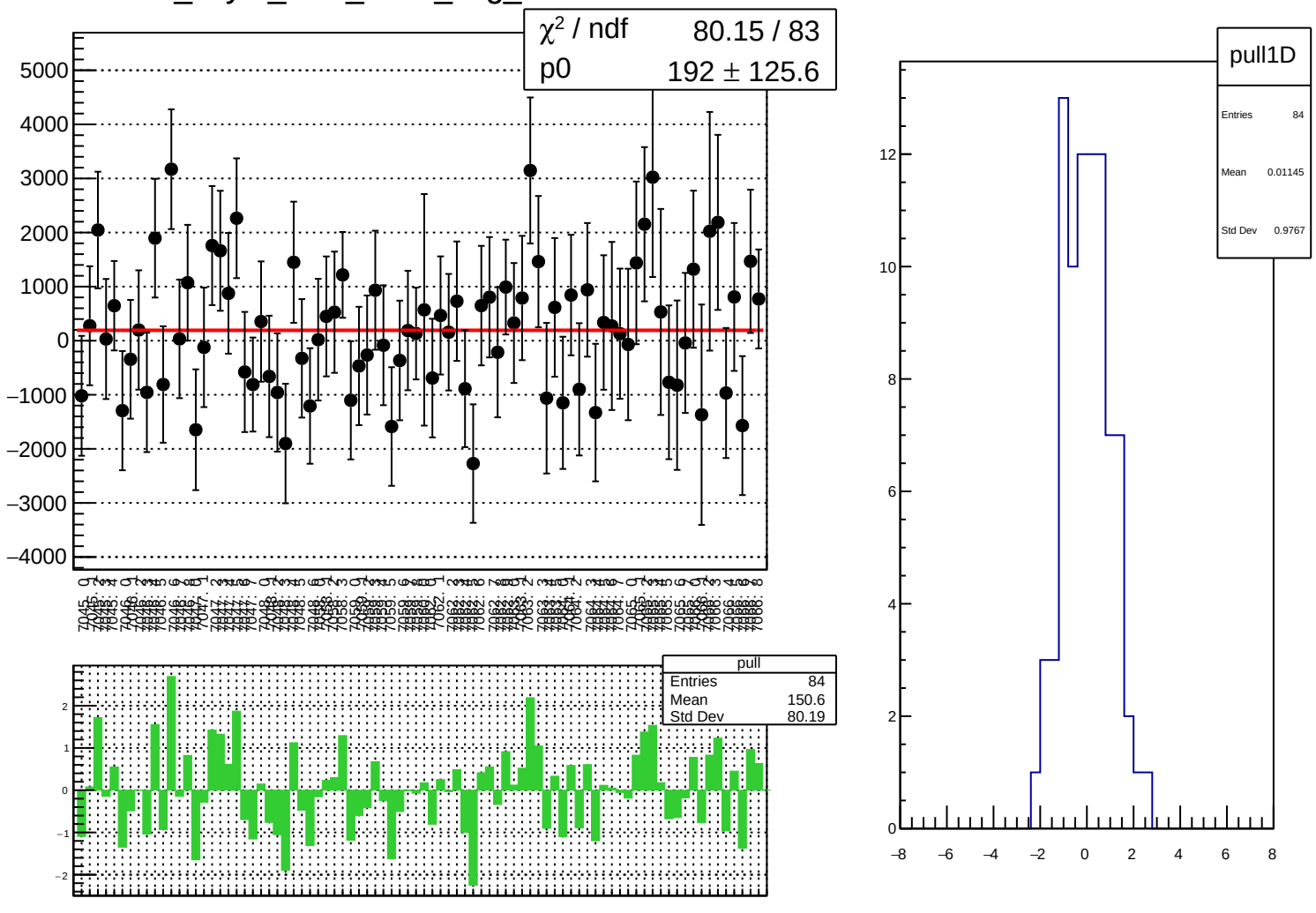

pull1D
Entries 84
Mean 0.02708
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

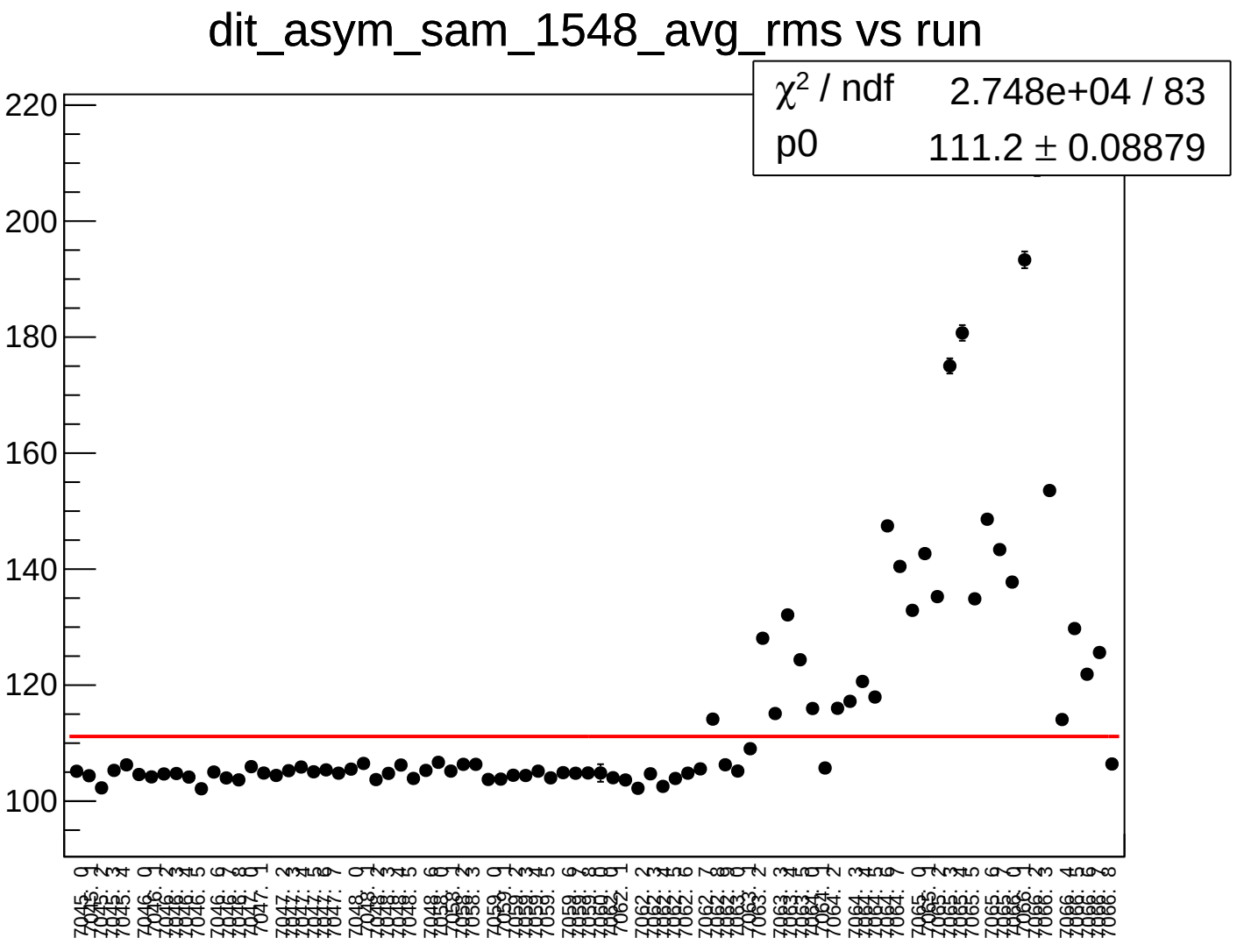

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2.48e+04 / 83
p0 587.7 ± 0.469
750
700
650
600
550
500
450

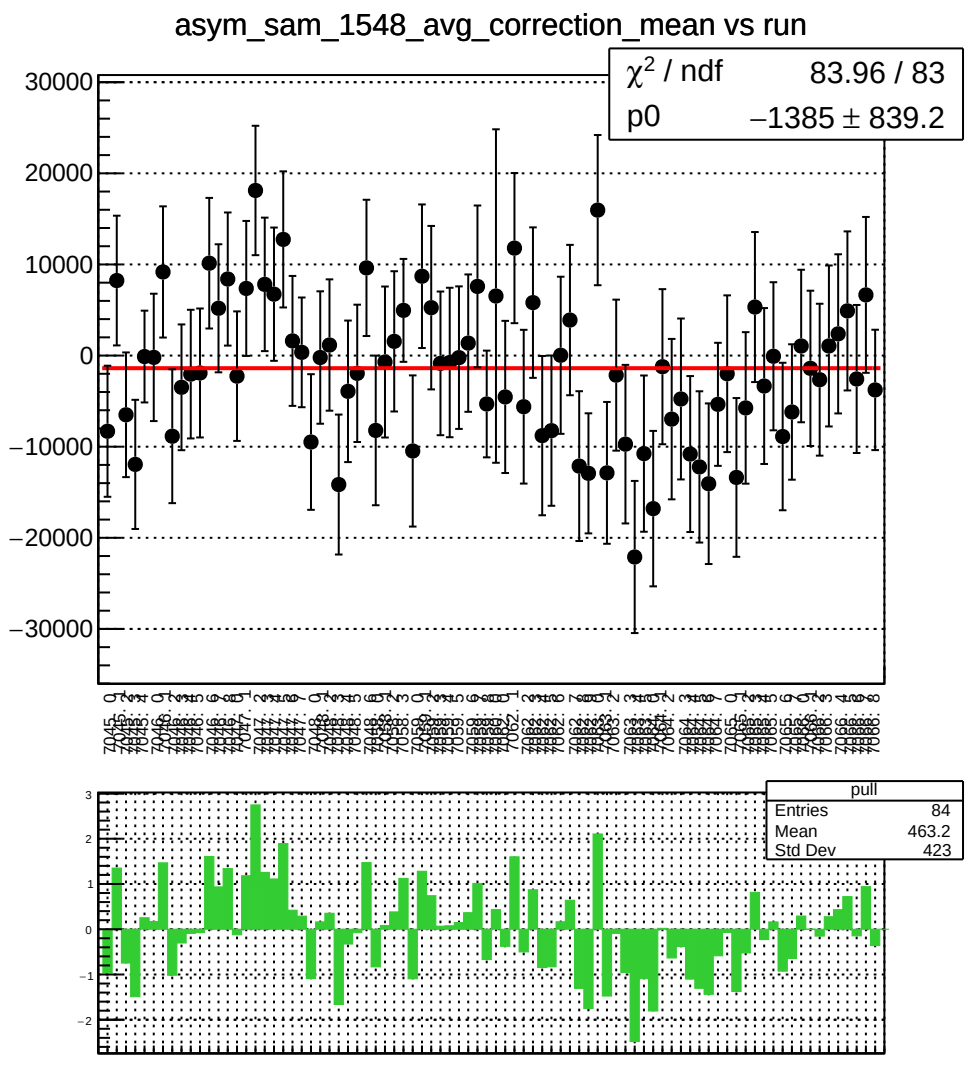

asym_sam_26_48_dd_mean vs run
χ² / ndf 89.48 / 83
p0 −1053 ± 645.3
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 248.3
Std Dev 204.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

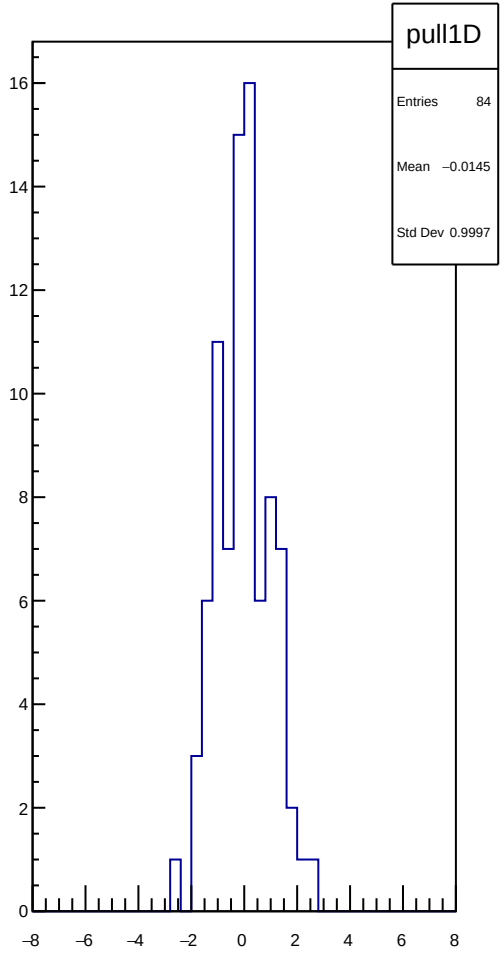

pull1D
Entries 84
Mean −0.0293
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

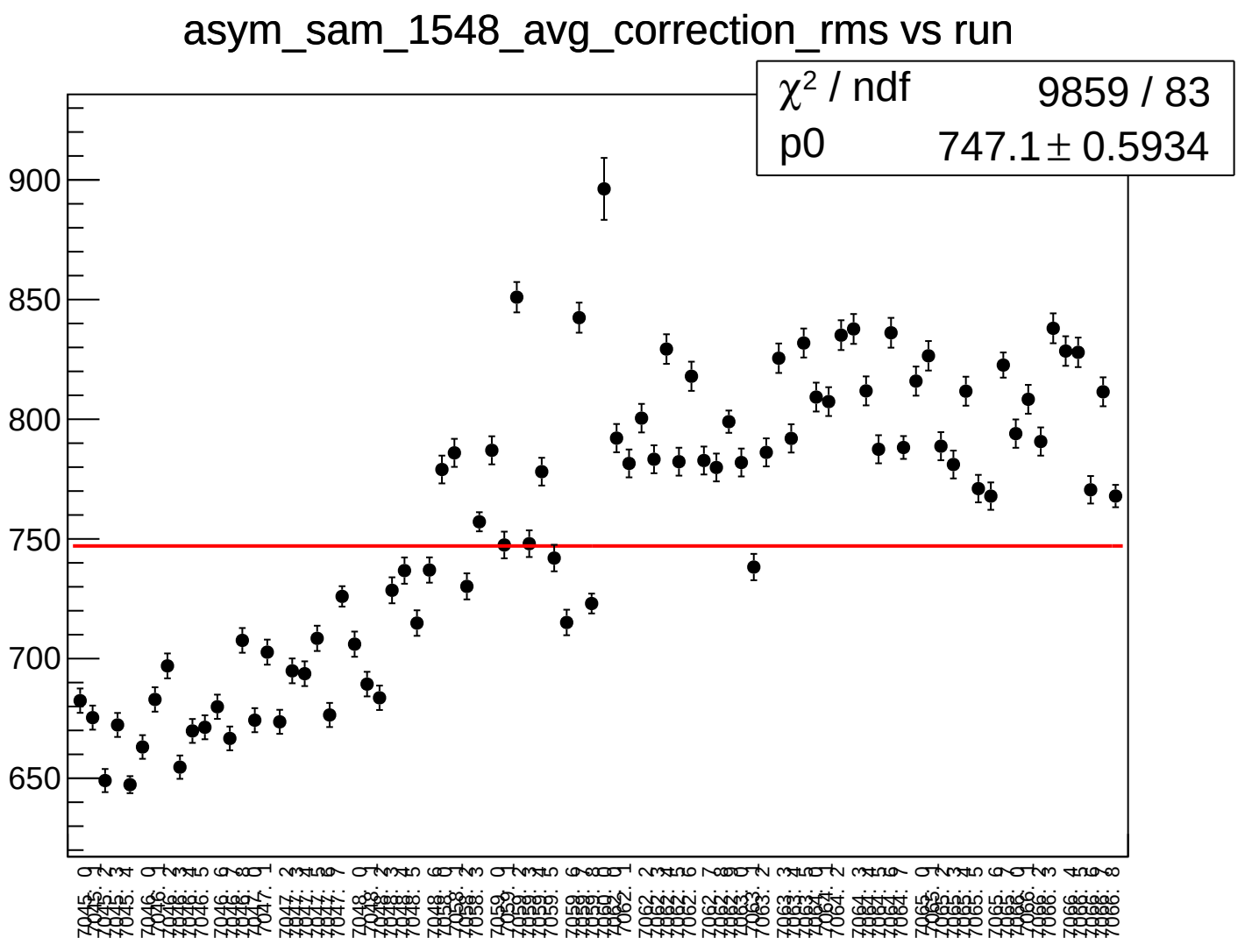

asym_sam_26_48_dd_rms vs run
χ² / ndf 2.808e+04 / 83
p0 571.1 ± 0.4563
750
700
650
600
550
500
450

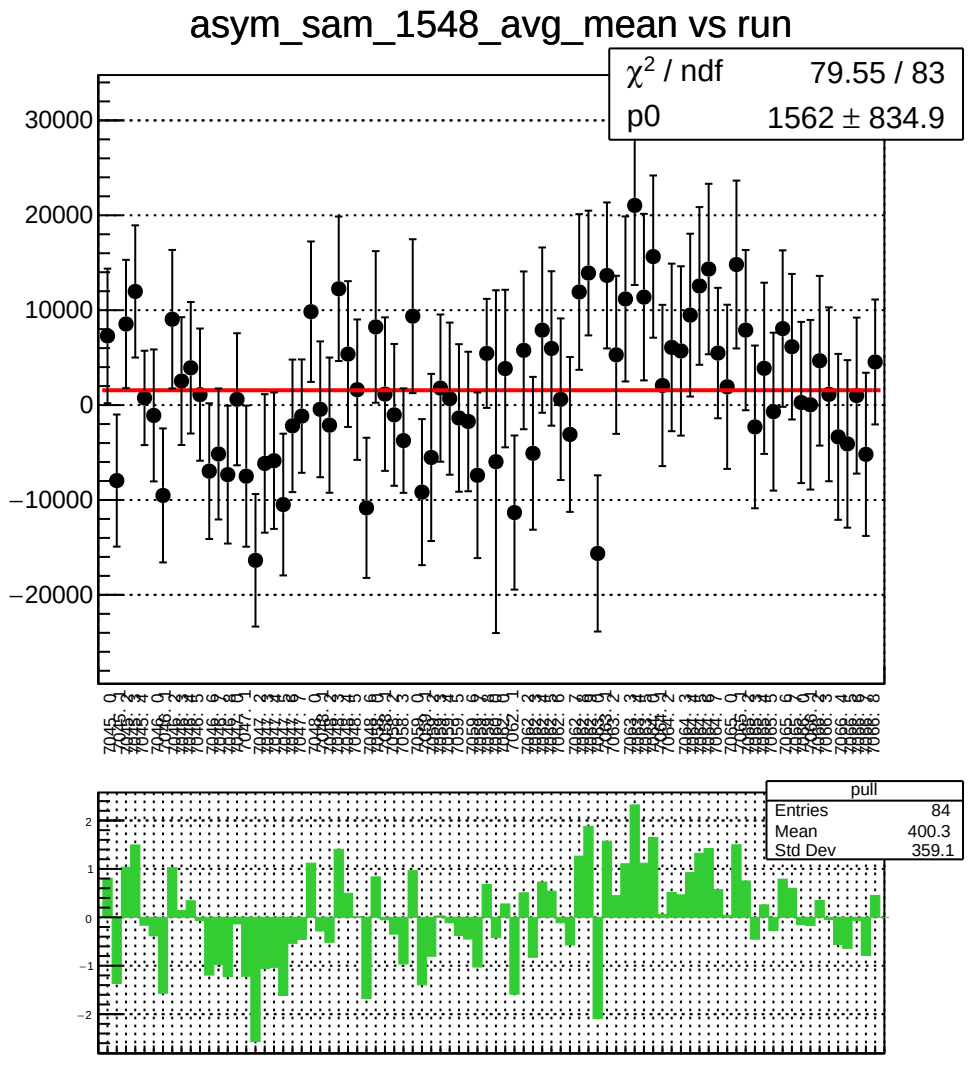

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 80.15 / 83
p0 192 ± 125.6
pull
Entries 84
Mean 150.6
Std Dev 80.19
pull1D
Entries 84
Mean 0.01145
Std Dev 0.9767

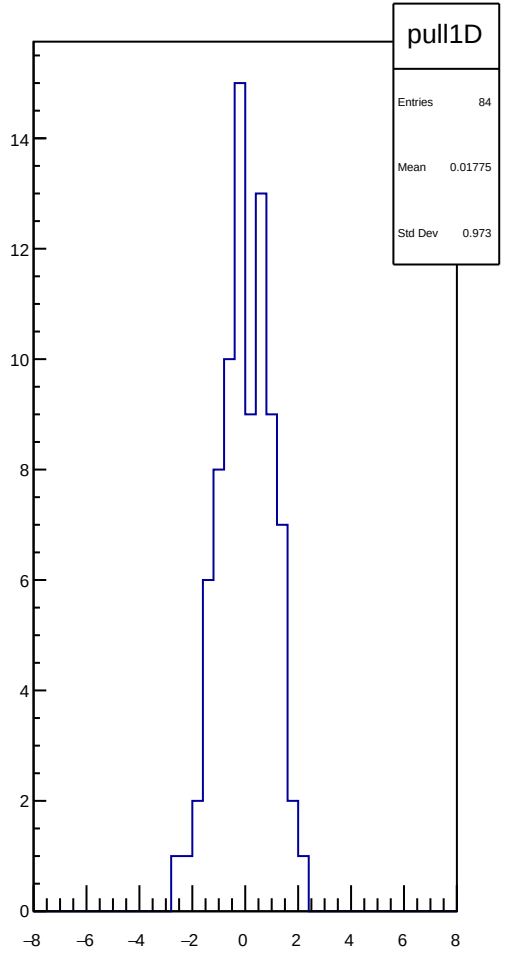

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.748e+04 / 83
p0 111.2 ± 0.08879
220
200
180
160
140
120
100

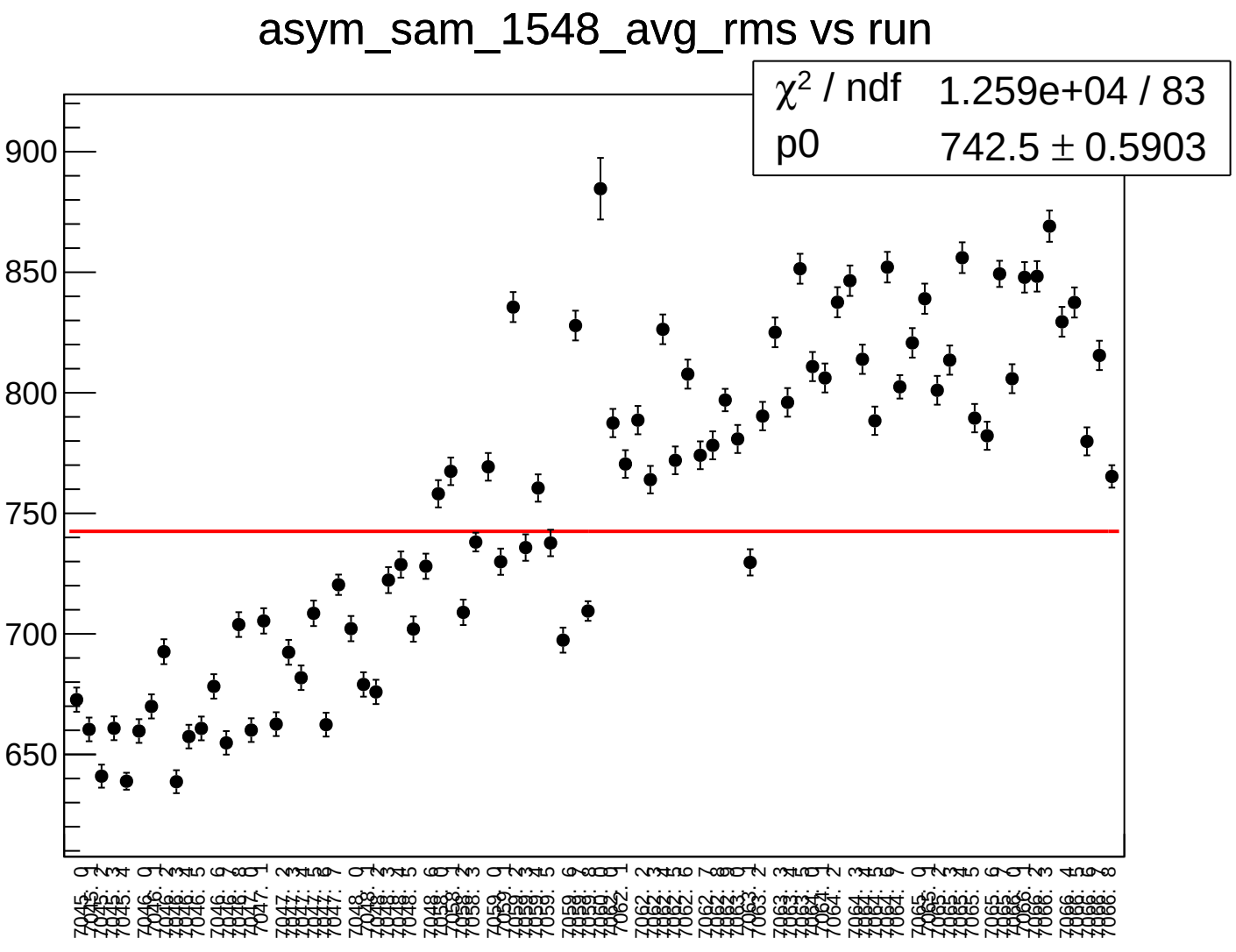

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 83.96 / 83
p0 −1385 ± 839.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 463.2
Std Dev 423
3
2
1
0
−1
−2

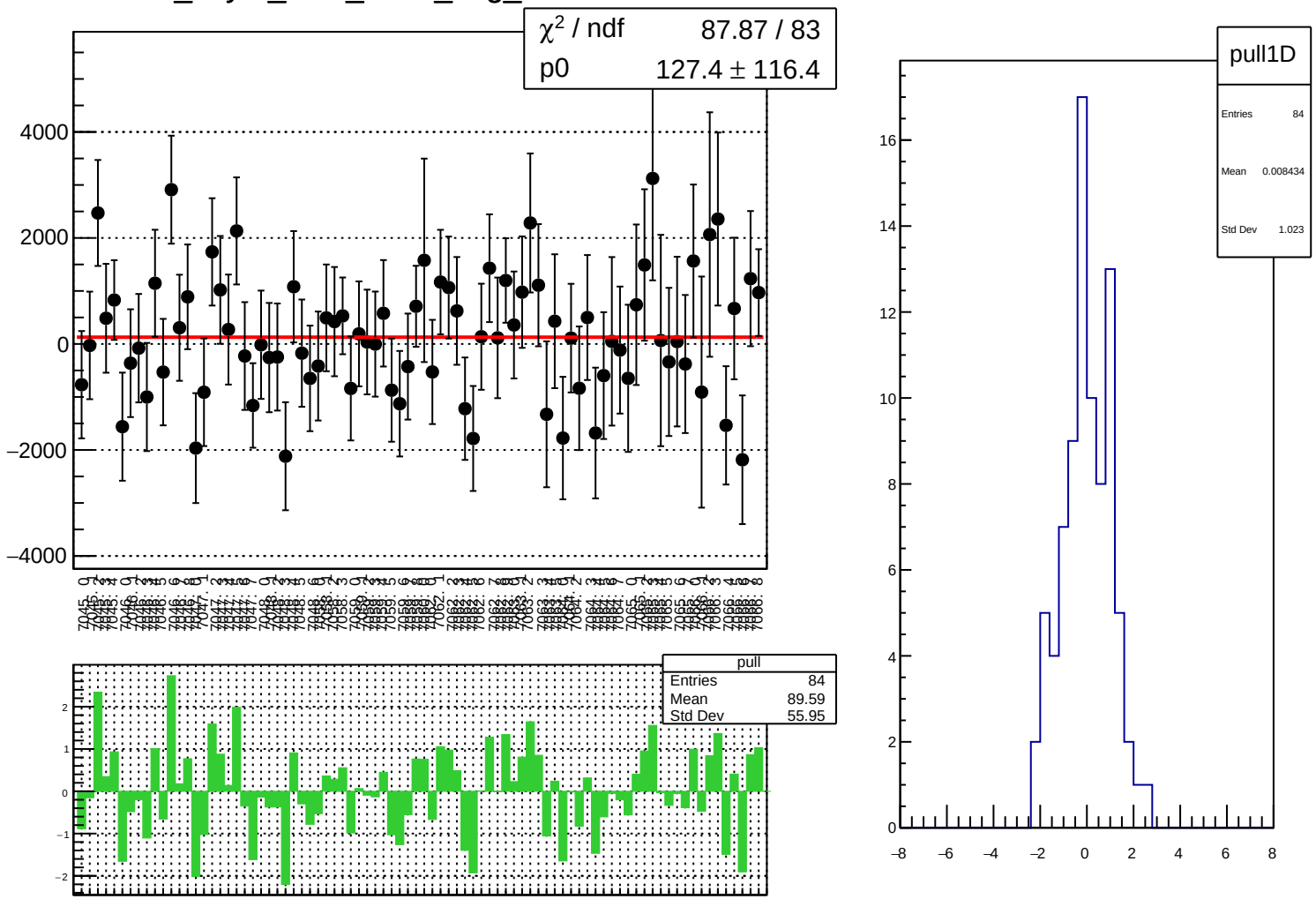

pull1D
Entries 84
Mean −0.0145
Std Dev 0.9997
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

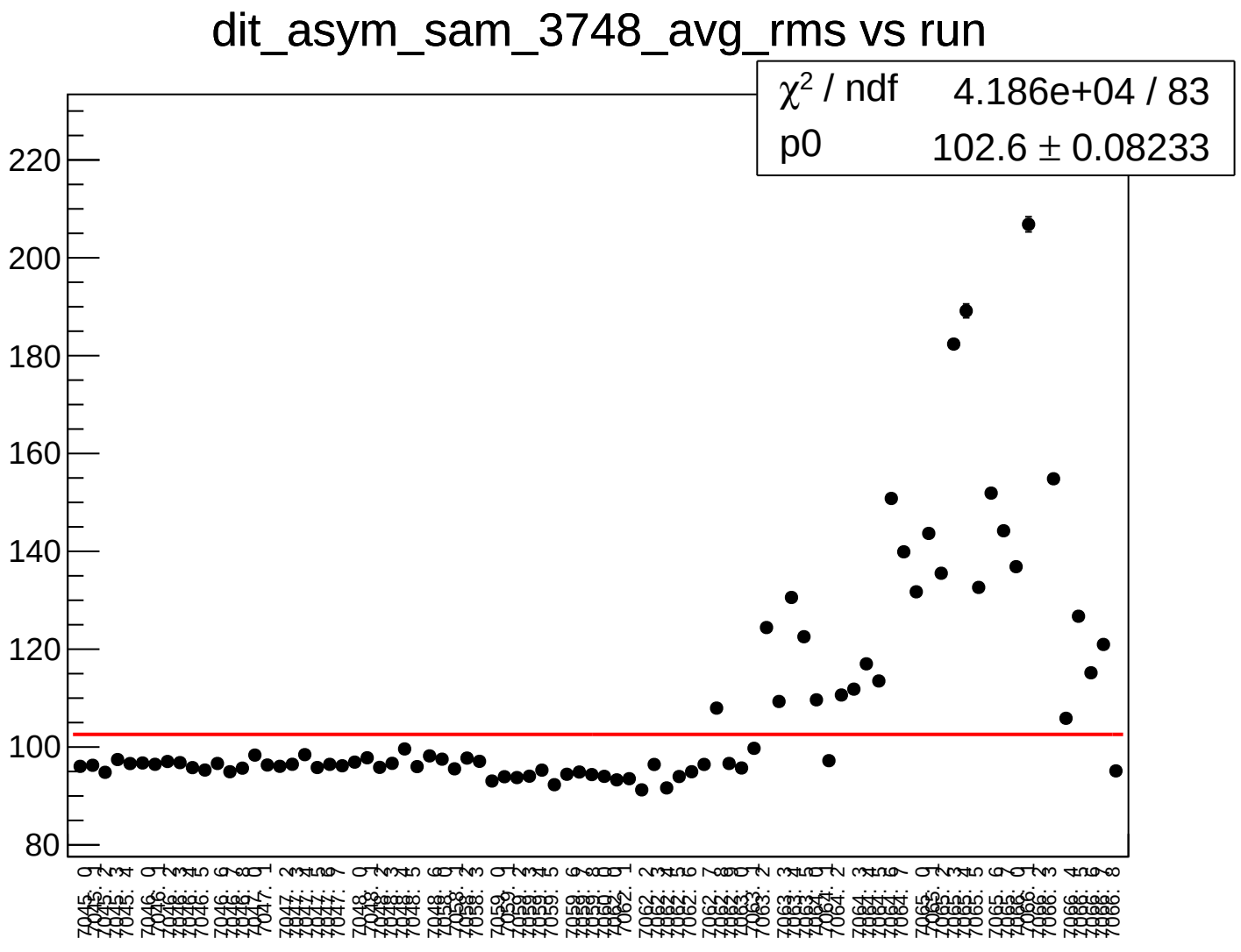

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 9859 / 83
p0 747.1 ± 0.5934
900
850
800
750
700
650

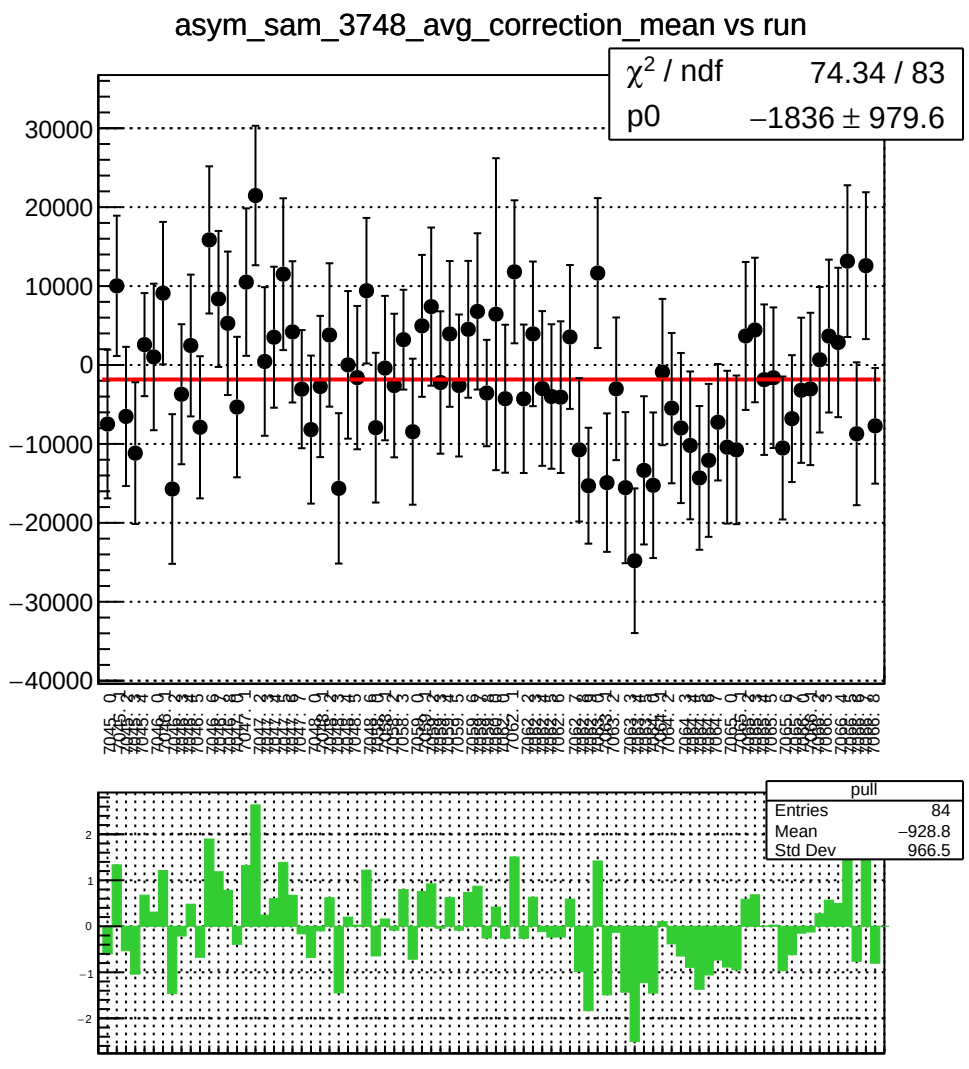

asym_sam_1548_avg_mean vs run
χ² / ndf 79.55 / 83
p0 1562 ± 834.9
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 400.3
Std Dev 359.1
2
1
0
−1
−2

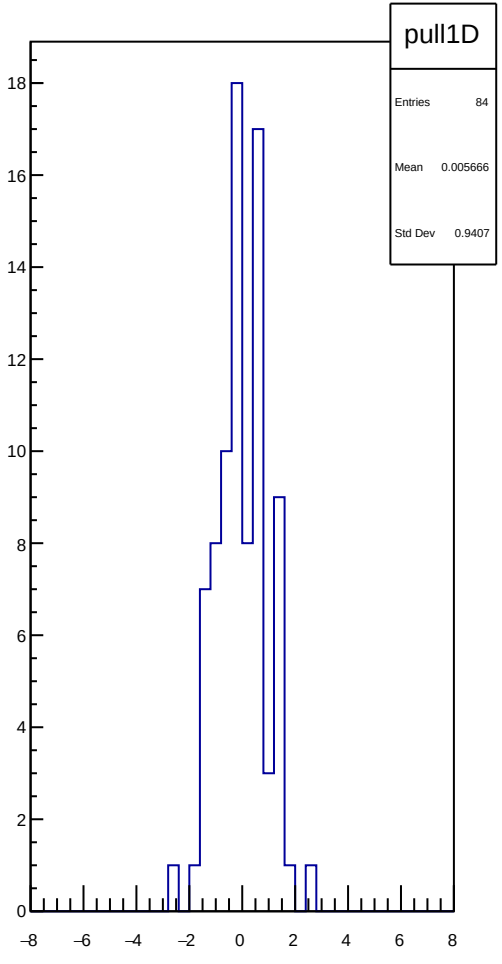

pull1D
Entries 84
Mean 0.01775
Std Dev 0.973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

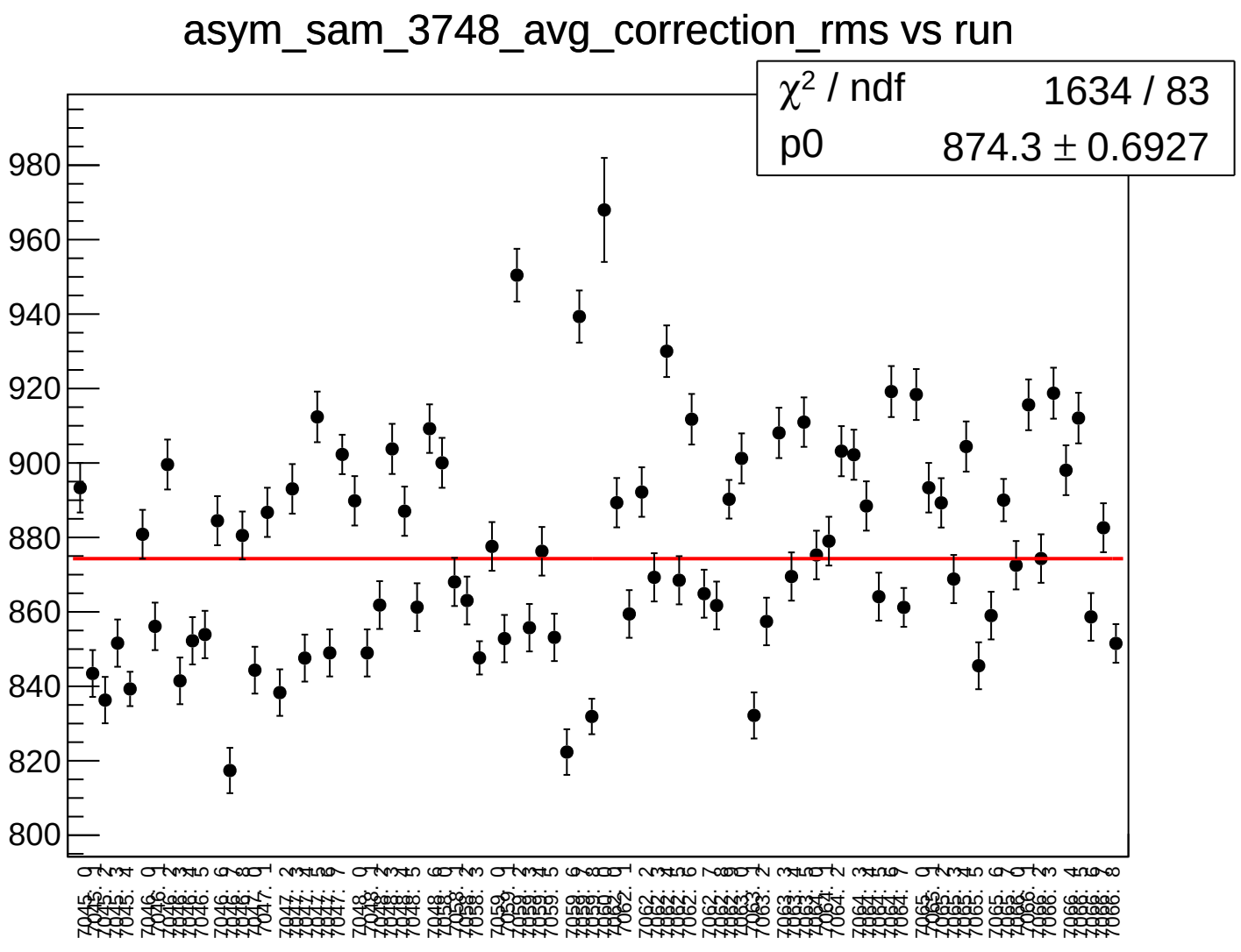

asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.259e+04 / 83
p0 742.5 ± 0.5903
900
850
800
750
700
650

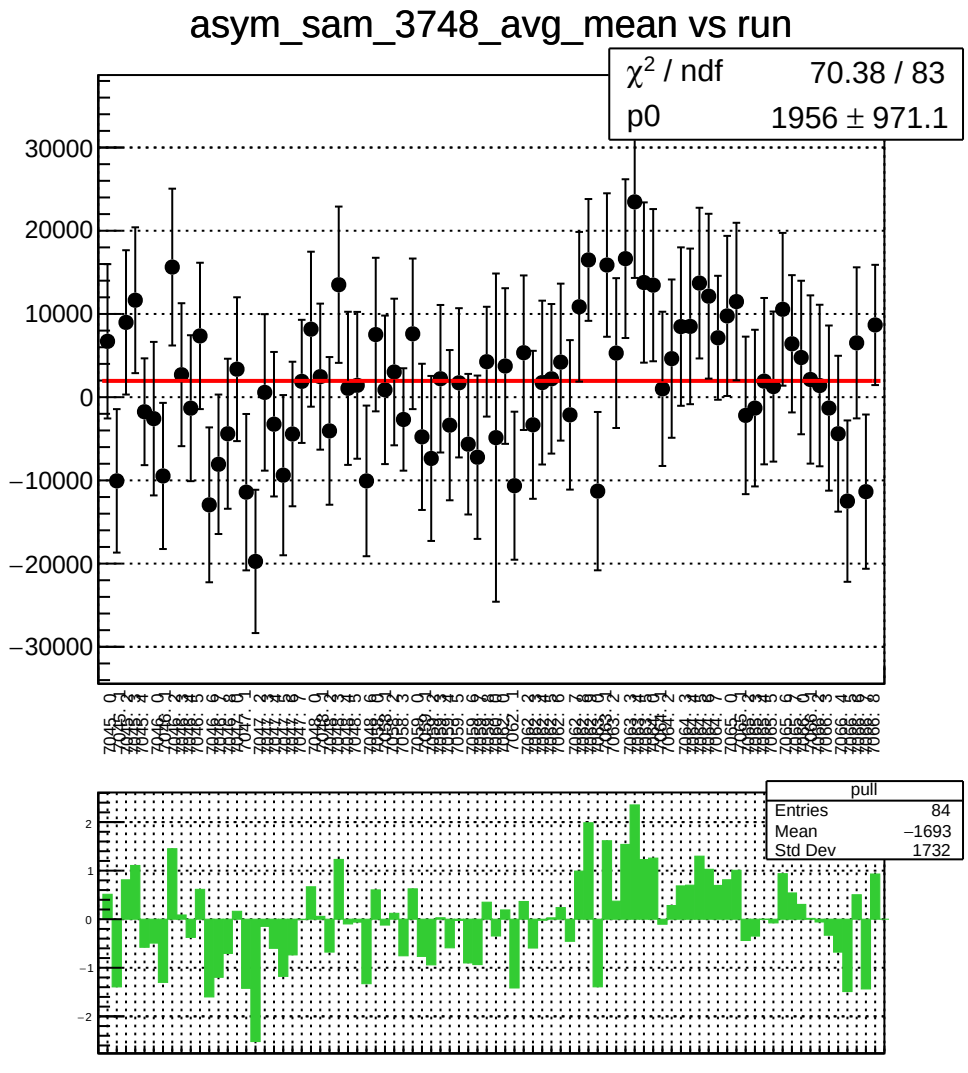

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 87.87 / 83
p0 127.4 ± 116.4
4000
2000
0
−2000
−4000
pull
Entries 84
Mean 89.59
Std Dev 55.95
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.008434
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

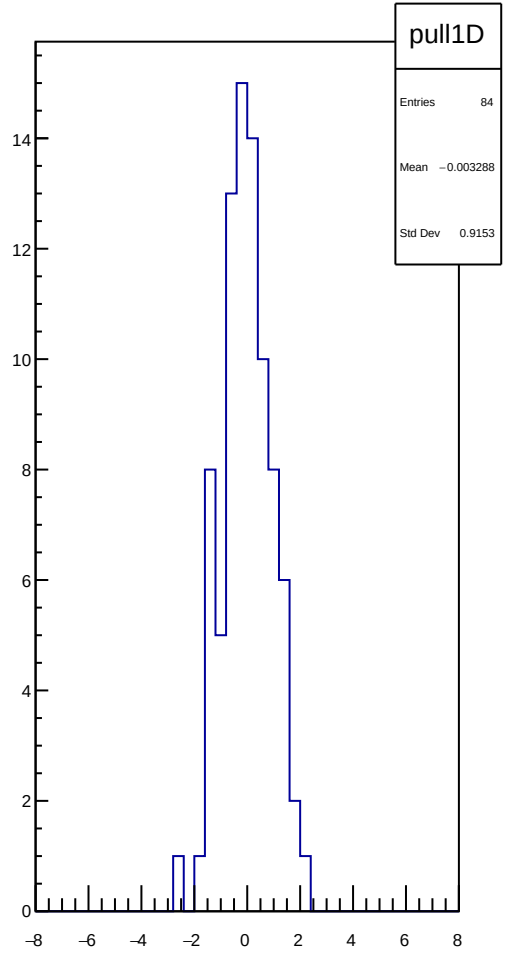

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.186e+04 / 83
p0 102.6 ± 0.08233
220
200
180
160
140
120
100
80

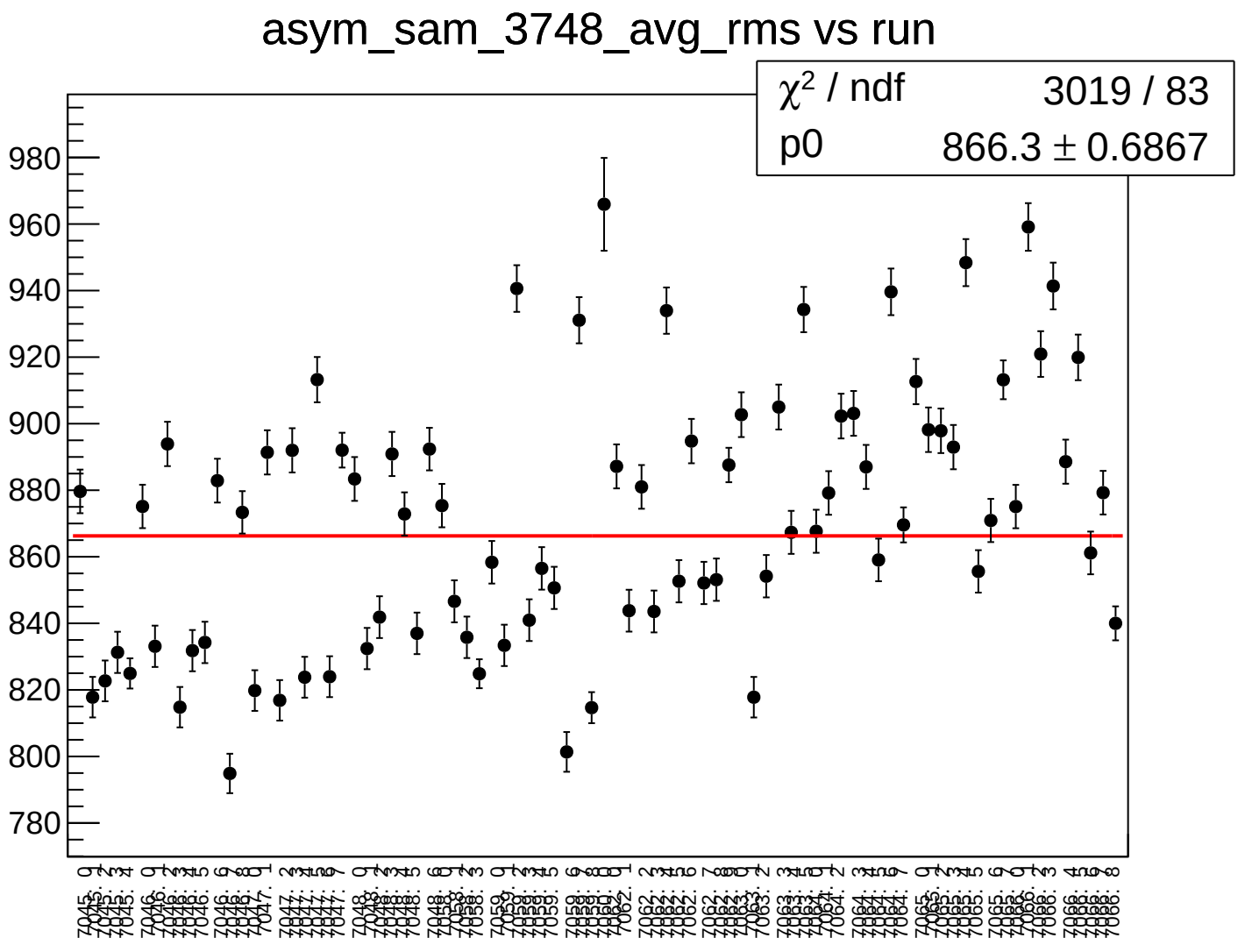

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 74.34 / 83
p0 −1836 ± 979.6
pull
Entries 84
Mean −928.8
Std Dev 966.5

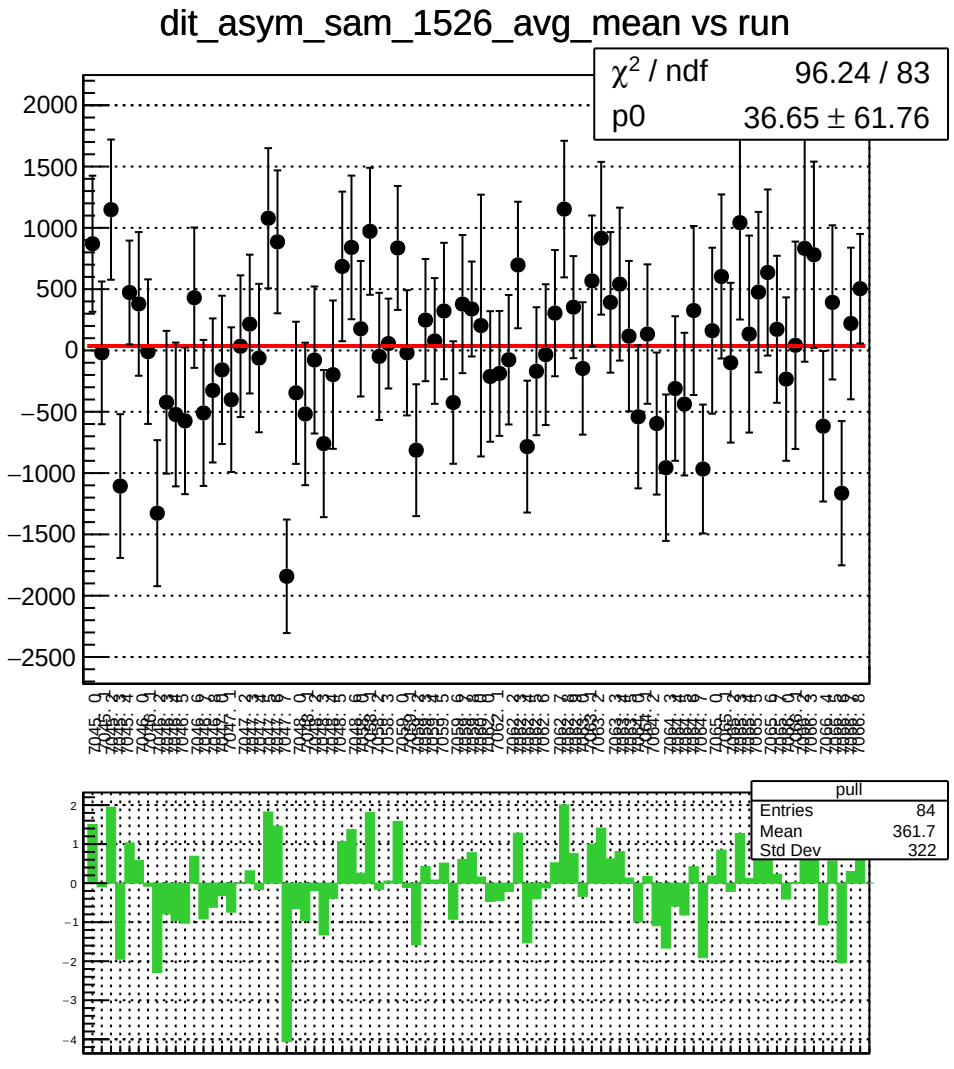

pull1D
Entries 84
Mean 0.005666
Std Dev 0.9407

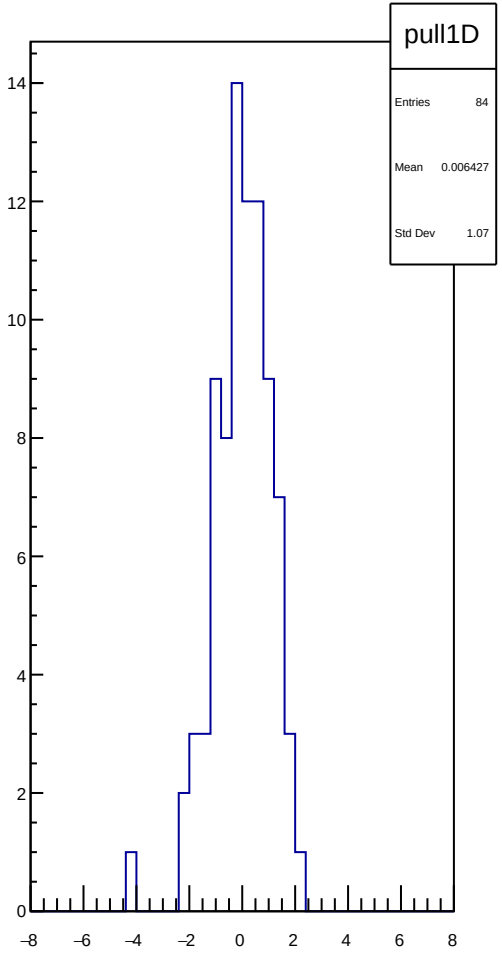

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1634 / 83
p0 874.3 ± 0.6927
980
960
940
920
900
880
860
840
820
800

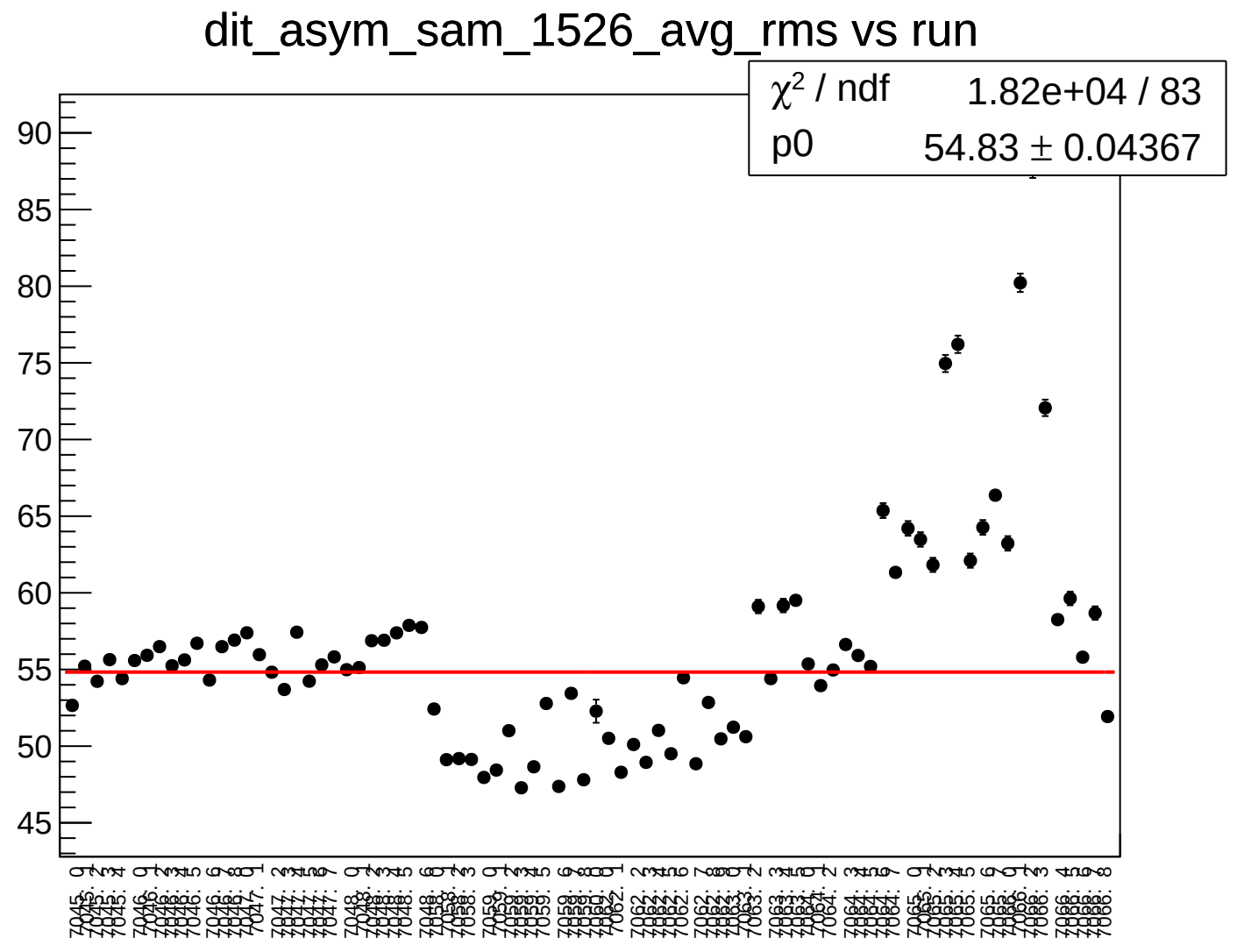

asym_sam_3748_avg_mean vs run
χ² / ndf 70.38 / 83
p0 1956 ± 971.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −1693
Std Dev 1732
2
1
0
−1
−2

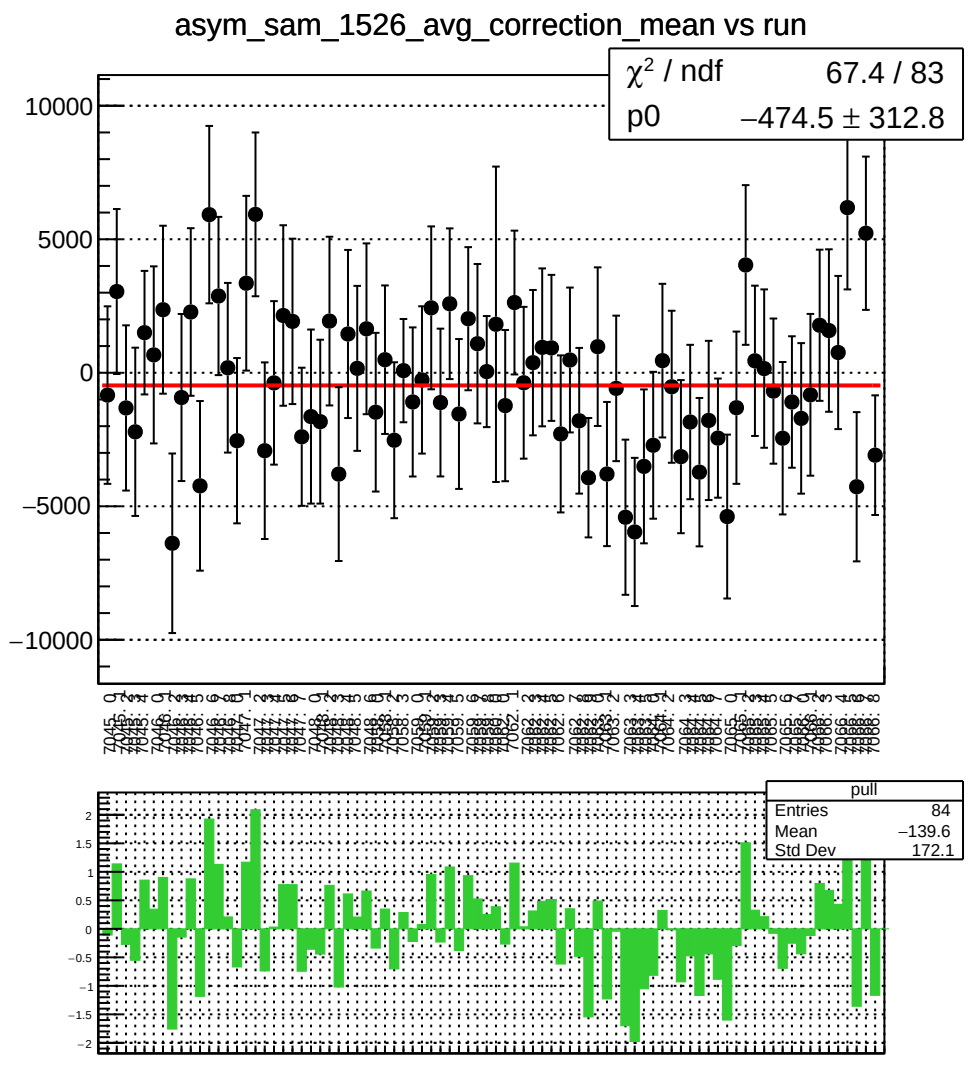

pull1D
Entries 84
Mean −0.003288
Std Dev 0.9153
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

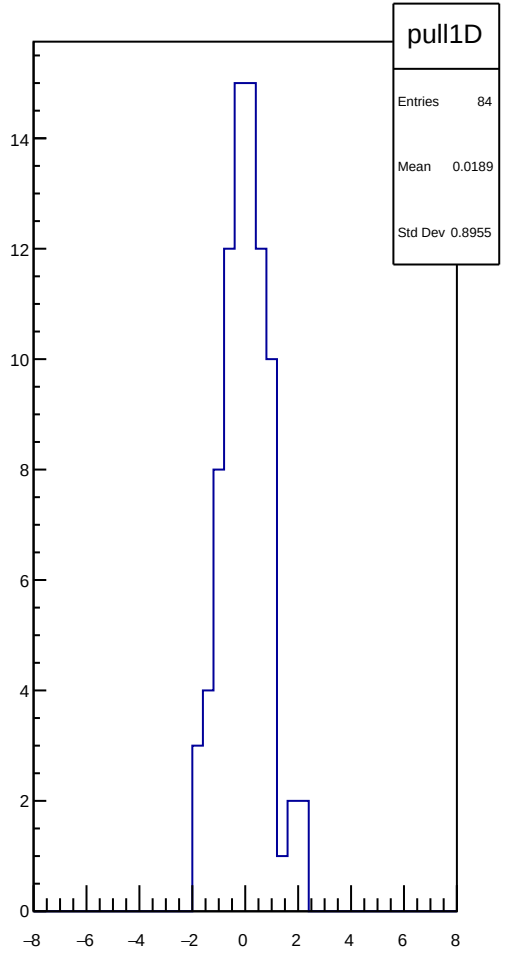

asym_sam_3748_avg_rms vs run
χ^2 / ndf 3019 / 83
p0 866.3 ± 0.6867
980
960
940
920
900
880
860
840
820
800
780

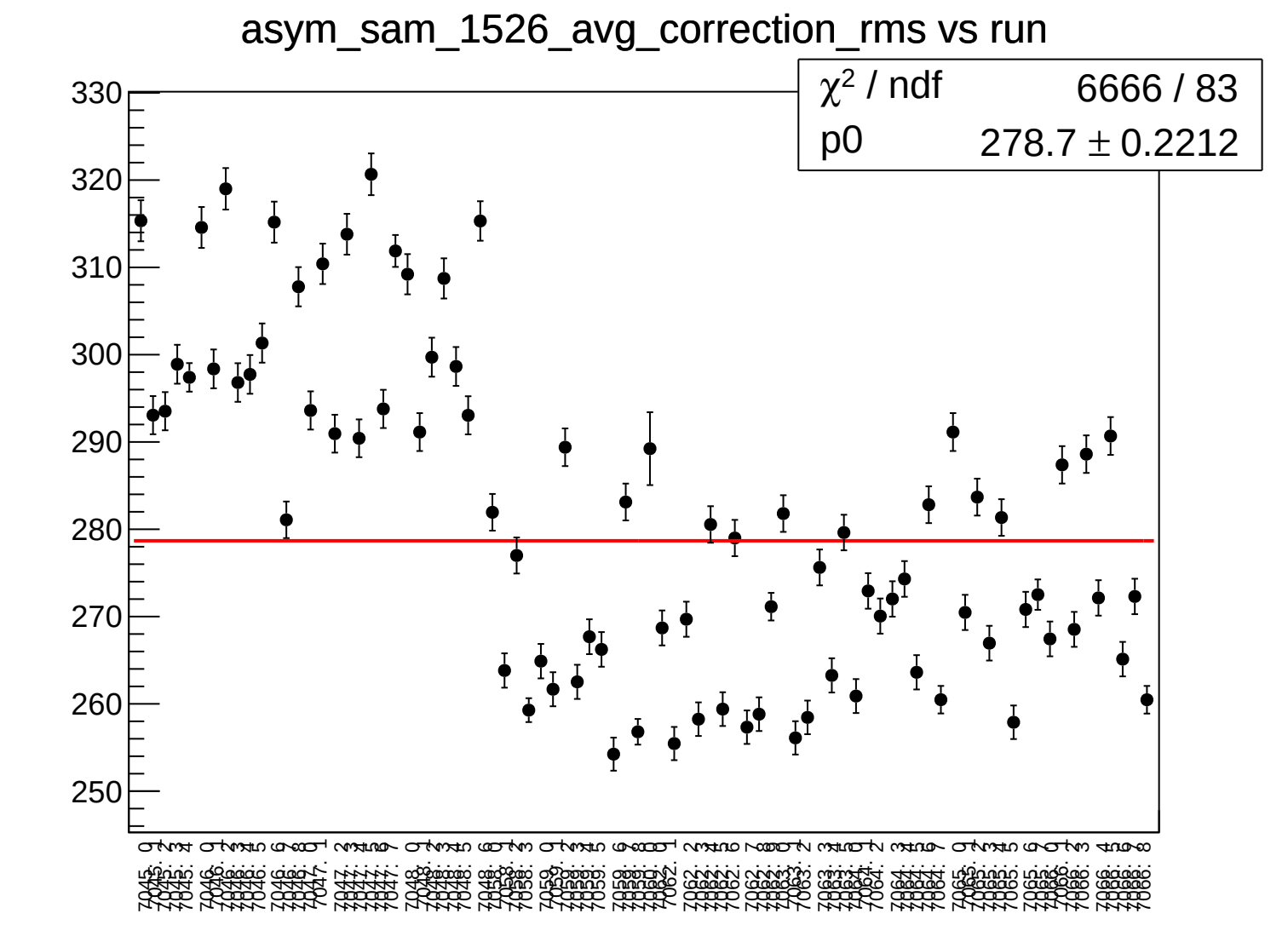

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 96.24 / 83
p0 36.65 ± 61.76
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 84
Mean 361.7
Std Dev 322
2
1
0
−1
−2
−3
−4

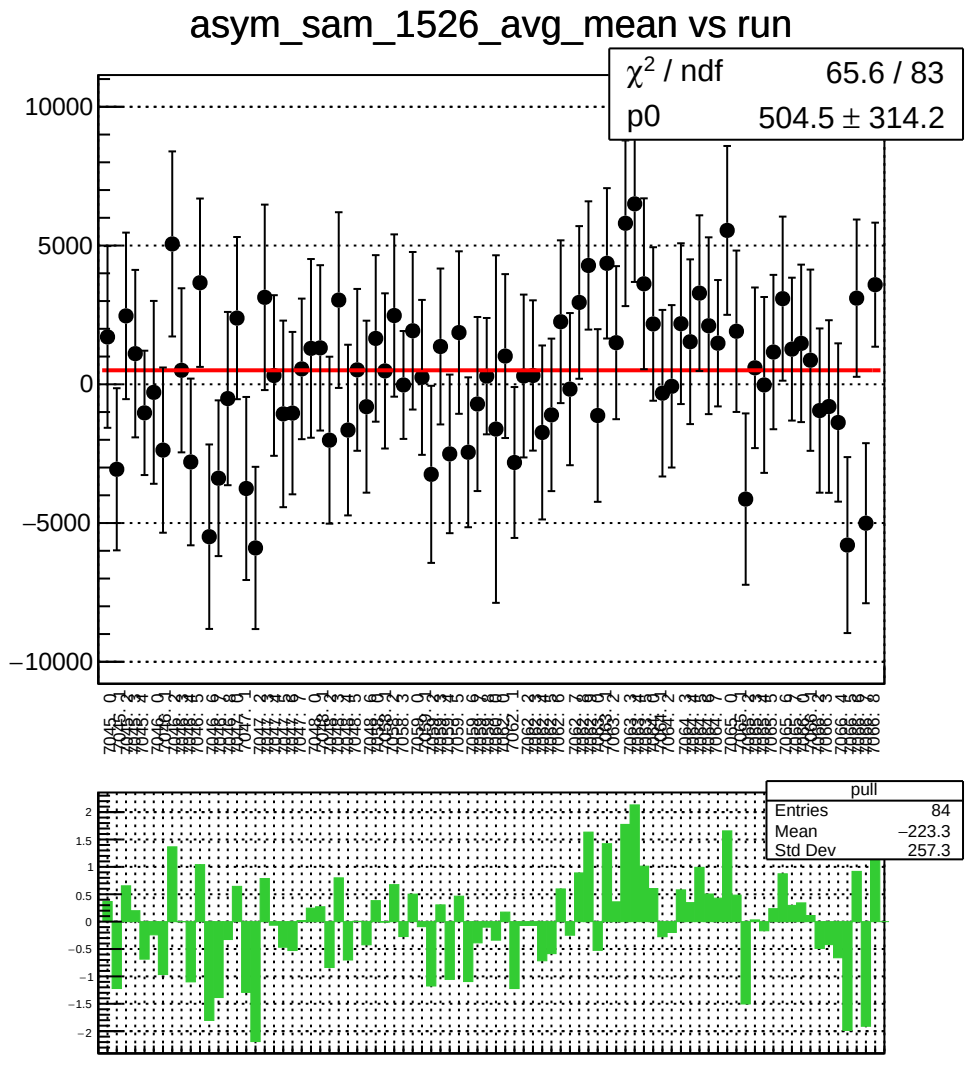

pull1D
Entries 84
Mean 0.006427
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

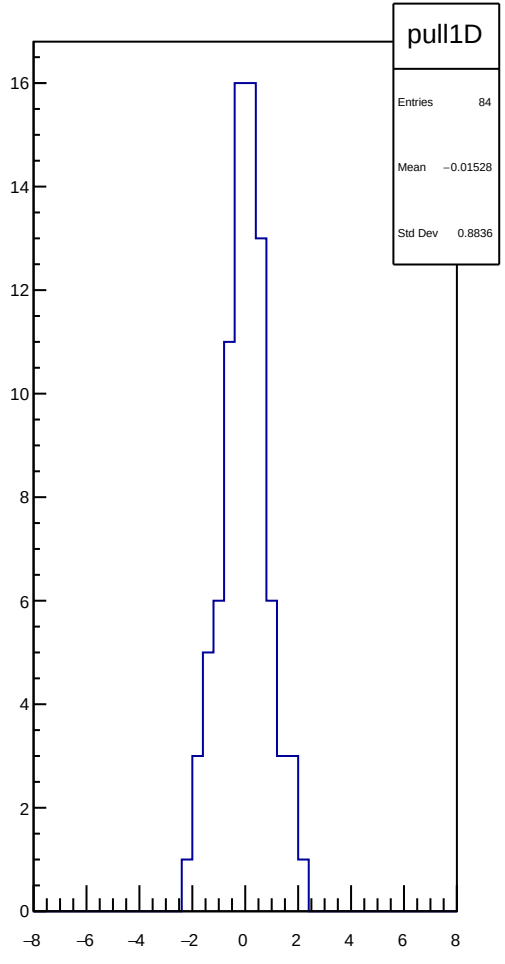

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.82e+04 / 83
p0 54.83 ± 0.04367
90
85
80
75
70
65
60
55
50
45

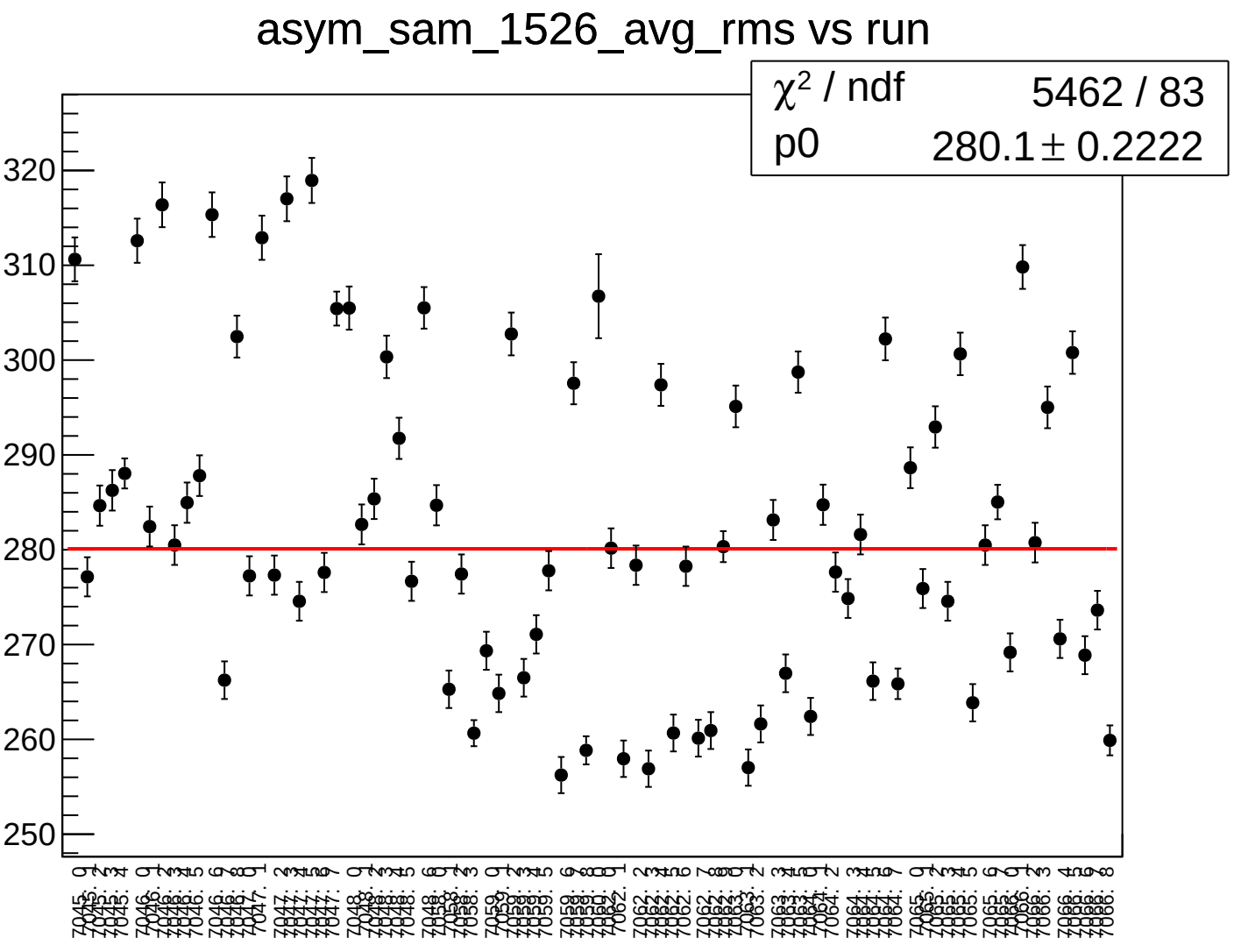

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 67.4 / 83
p0 −474.5 ± 312.8
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −139.6
Std Dev 172.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

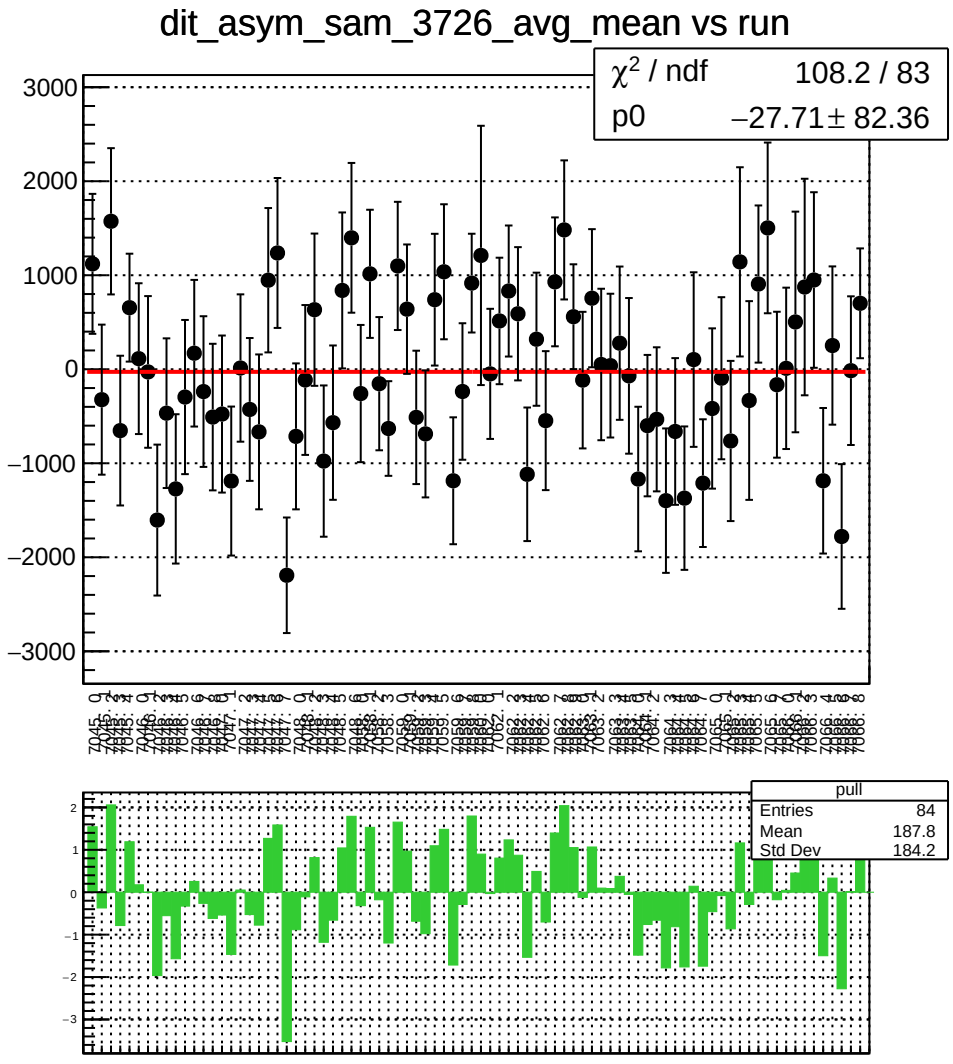

pull1D
Entries 84
Mean 0.0189
Std Dev 0.8955
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

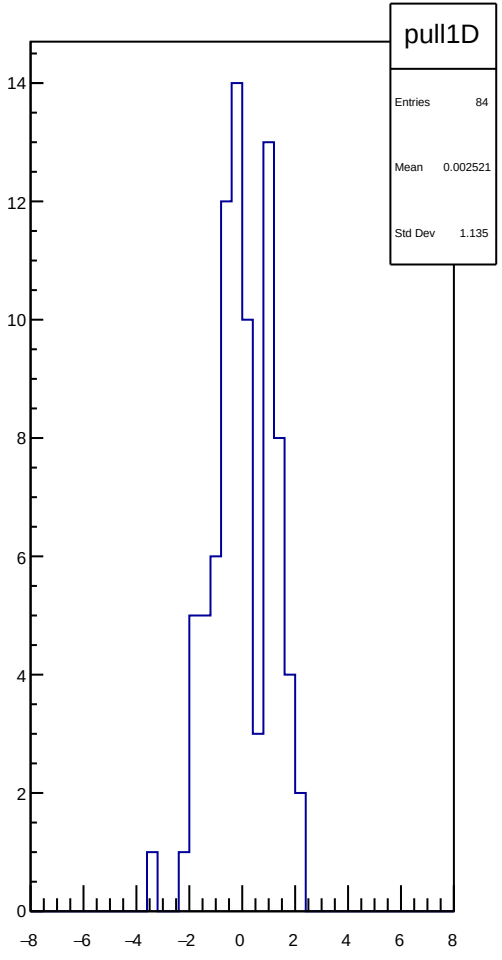

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 6666 / 83
p0 278.7 ± 0.2212
330
320
310
300
290
280
270
260
250

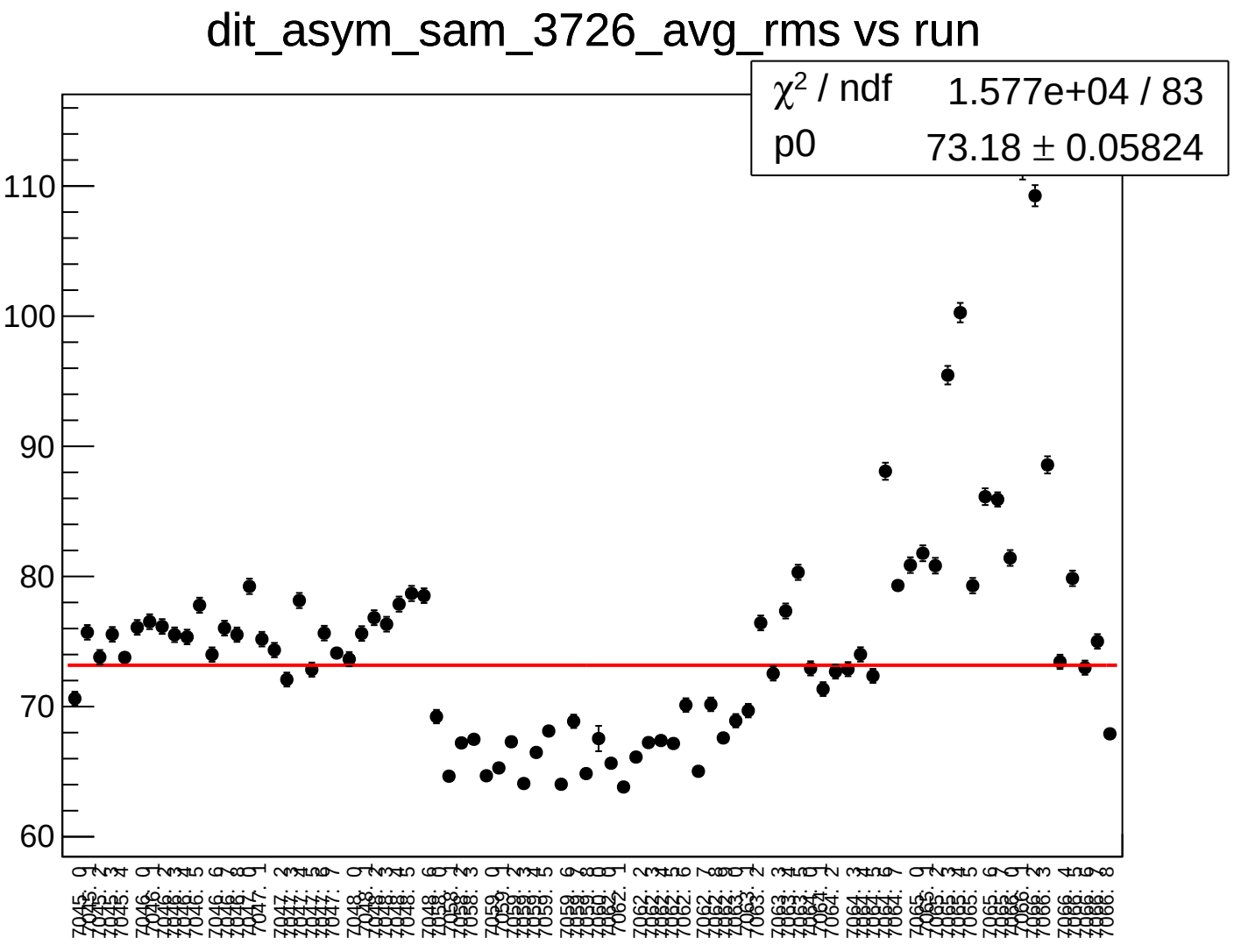

asym_sam_1526_avg_mean vs run
χ² / ndf 65.6 / 83
p0 504.5 ± 314.2
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −223.3
Std Dev 257.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

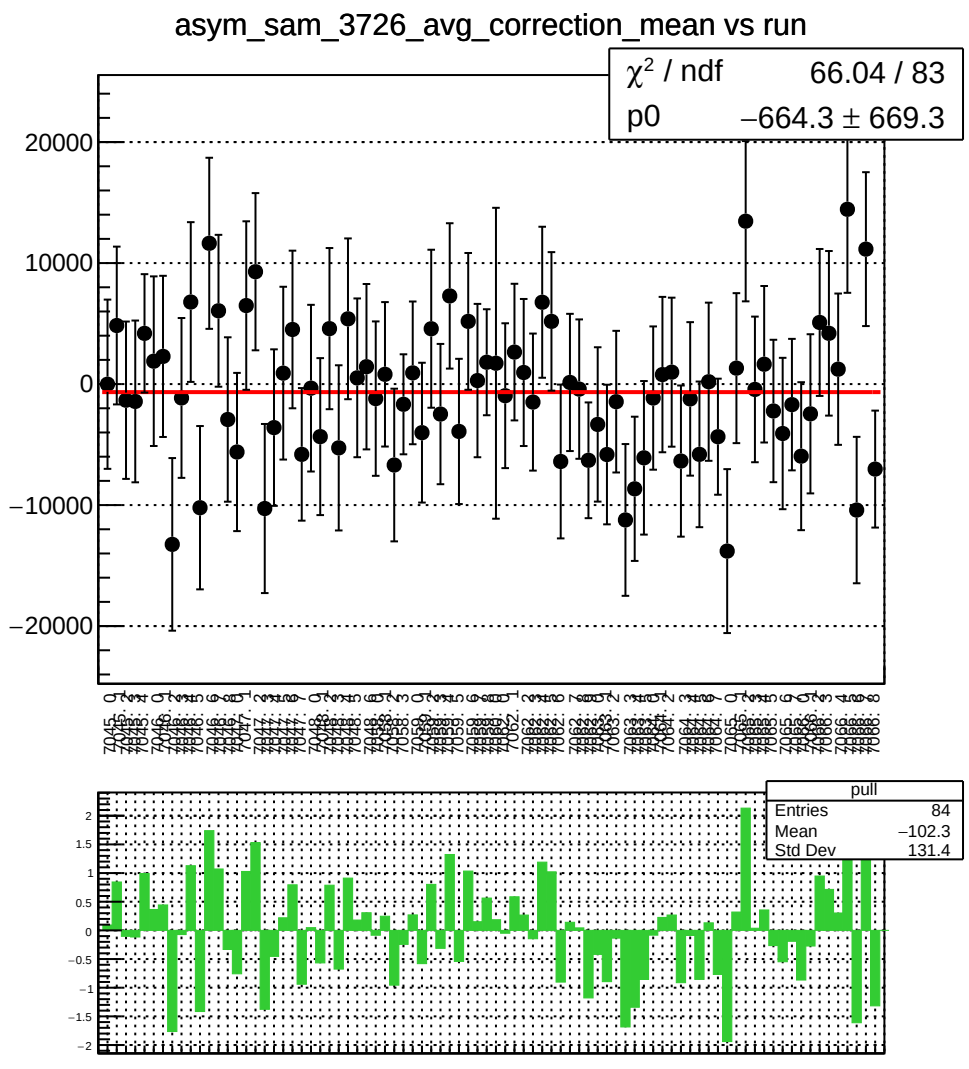

pull1D
Entries 84
Mean −0.01528
Std Dev 0.8836
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

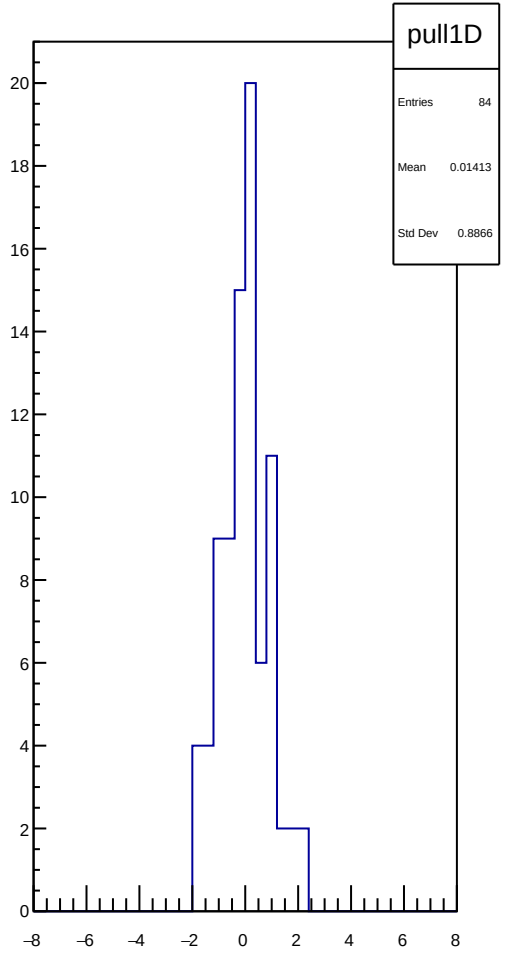

asym_sam_1526_avg_rms vs run
χ² / ndf 5462 / 83
p0 280.1 ± 0.2222
320
310
300
290
280
270
260
250

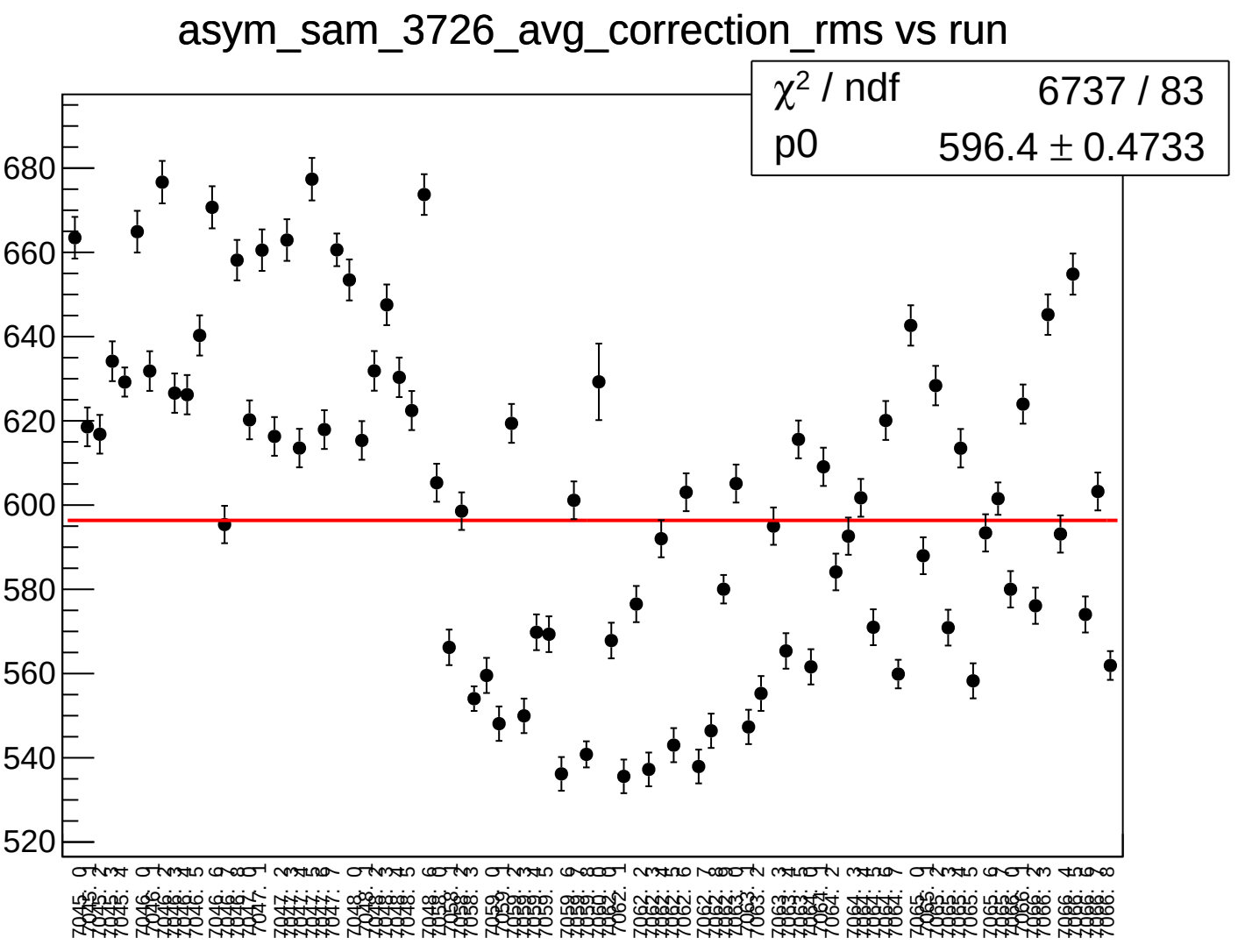

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 108.2 / 83
p0 −27.71 ± 82.36
pull
Entries 84
Mean 187.8
Std Dev 184.2

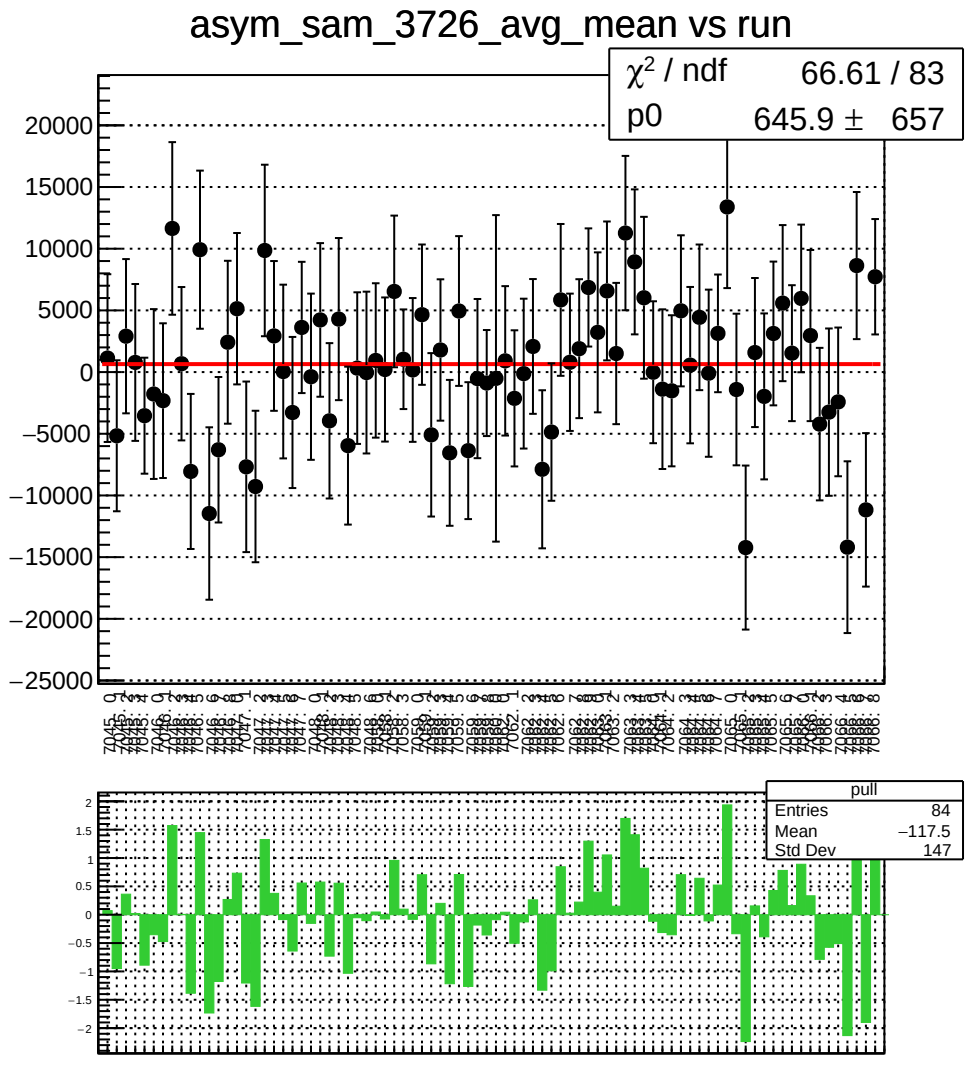

pull1D
Entries 84
Mean 0.002521
Std Dev 1.135

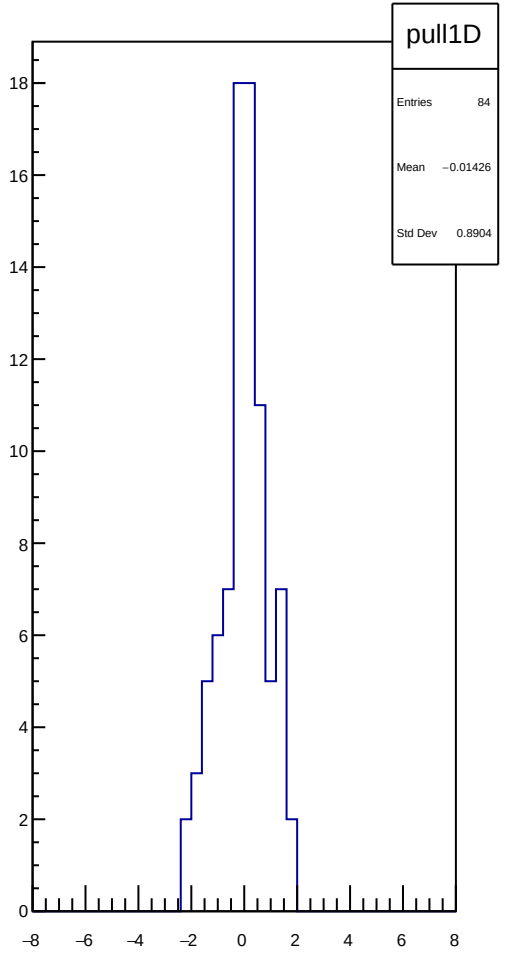

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.577e+04 / 83
p0 73.18 ± 0.05824
110
100
90
80
70
60

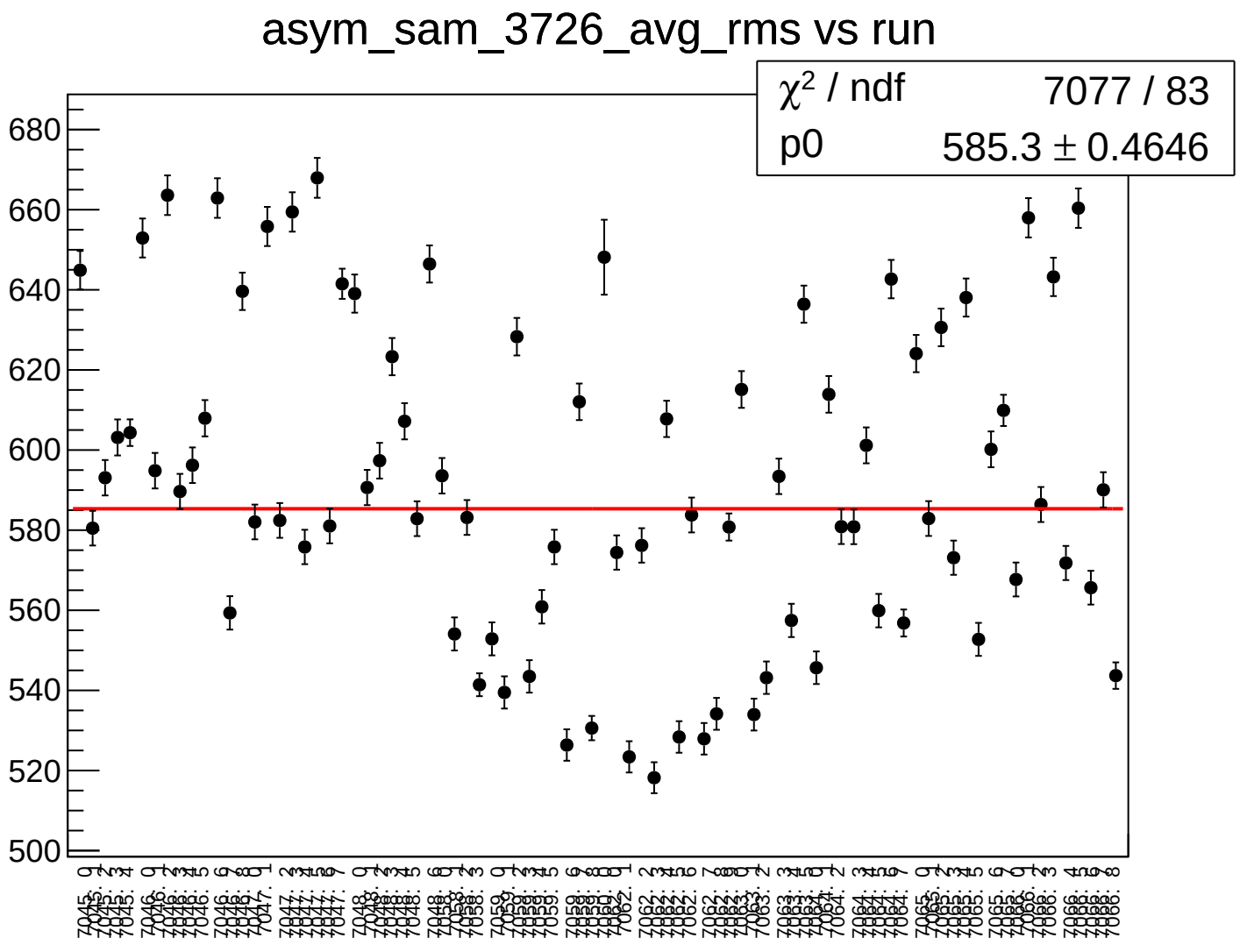

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 66.04 / 83
p0 −664.3 ± 669.3
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −102.3
Std Dev 131.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

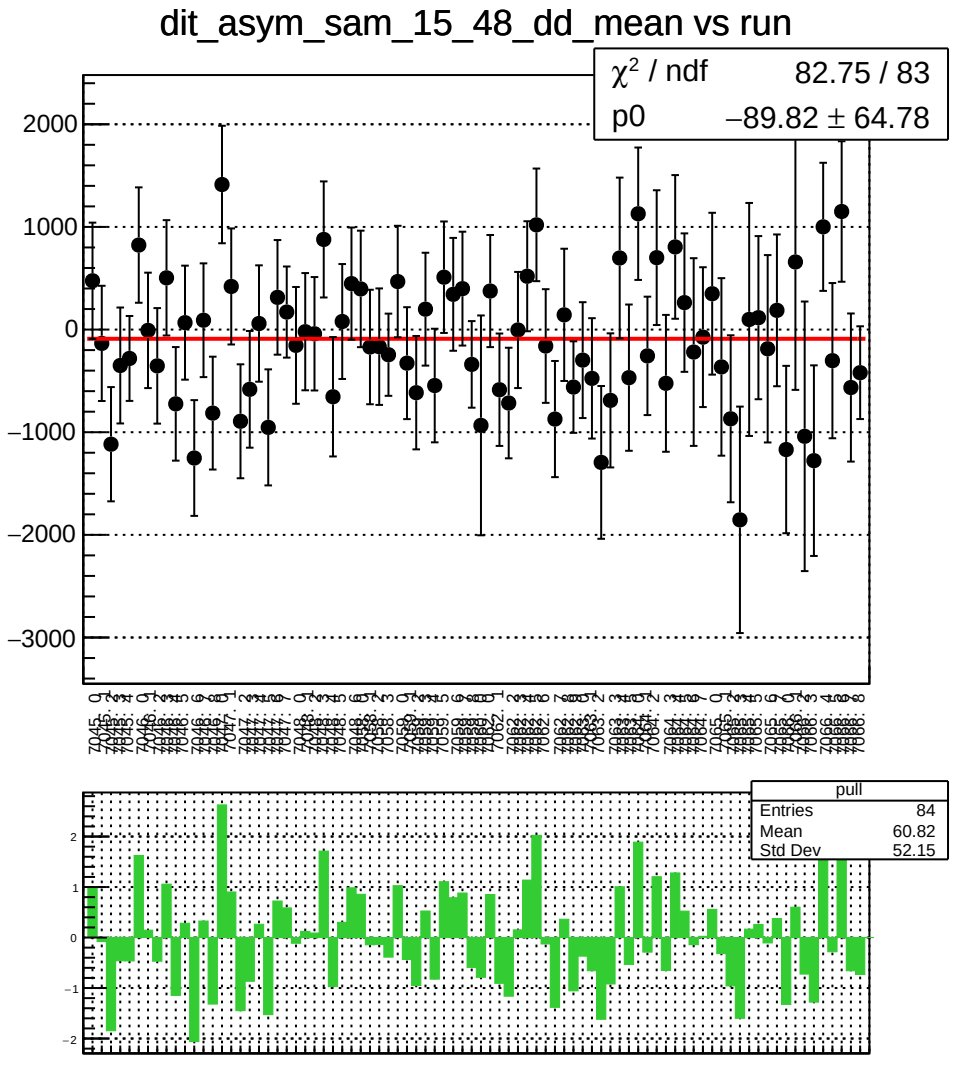

pull1D
Entries 84
Mean 0.01413
Std Dev 0.8866
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

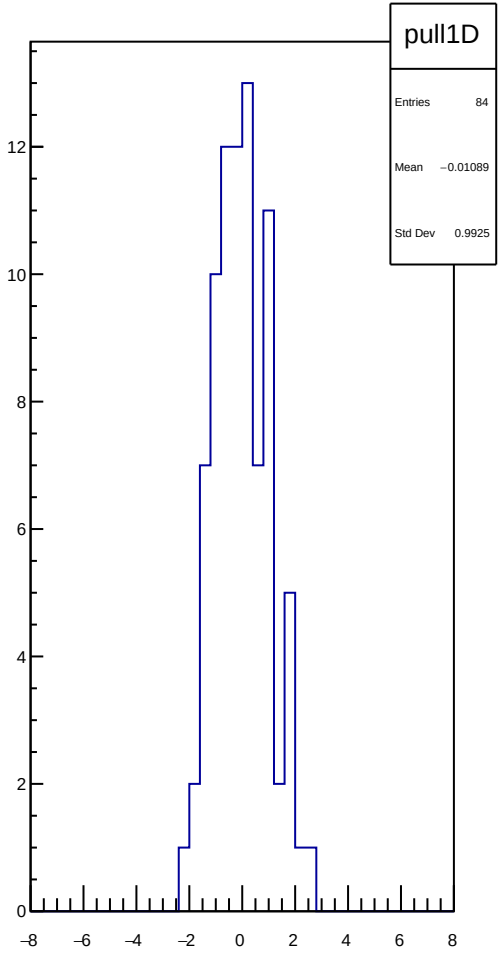

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 6737 / 83
p0 596.4 ± 0.4733
680
660
640
620
600
580
560
540
520

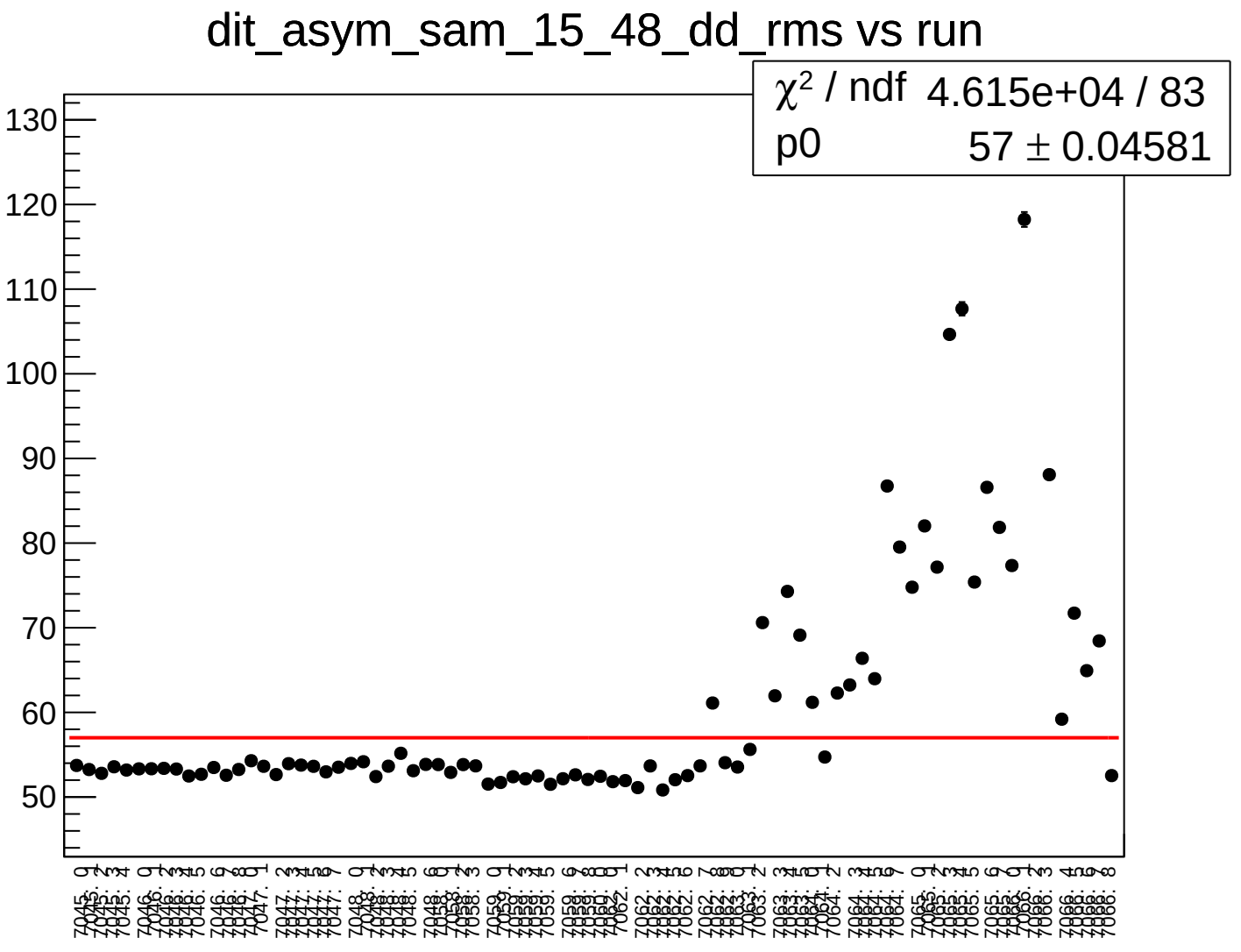

asym_sam_3726_avg_mean vs run
χ² / ndf 66.61 / 83
p0 645.9 ± 657
pull
Entries 84
Mean −117.5
Std Dev 147

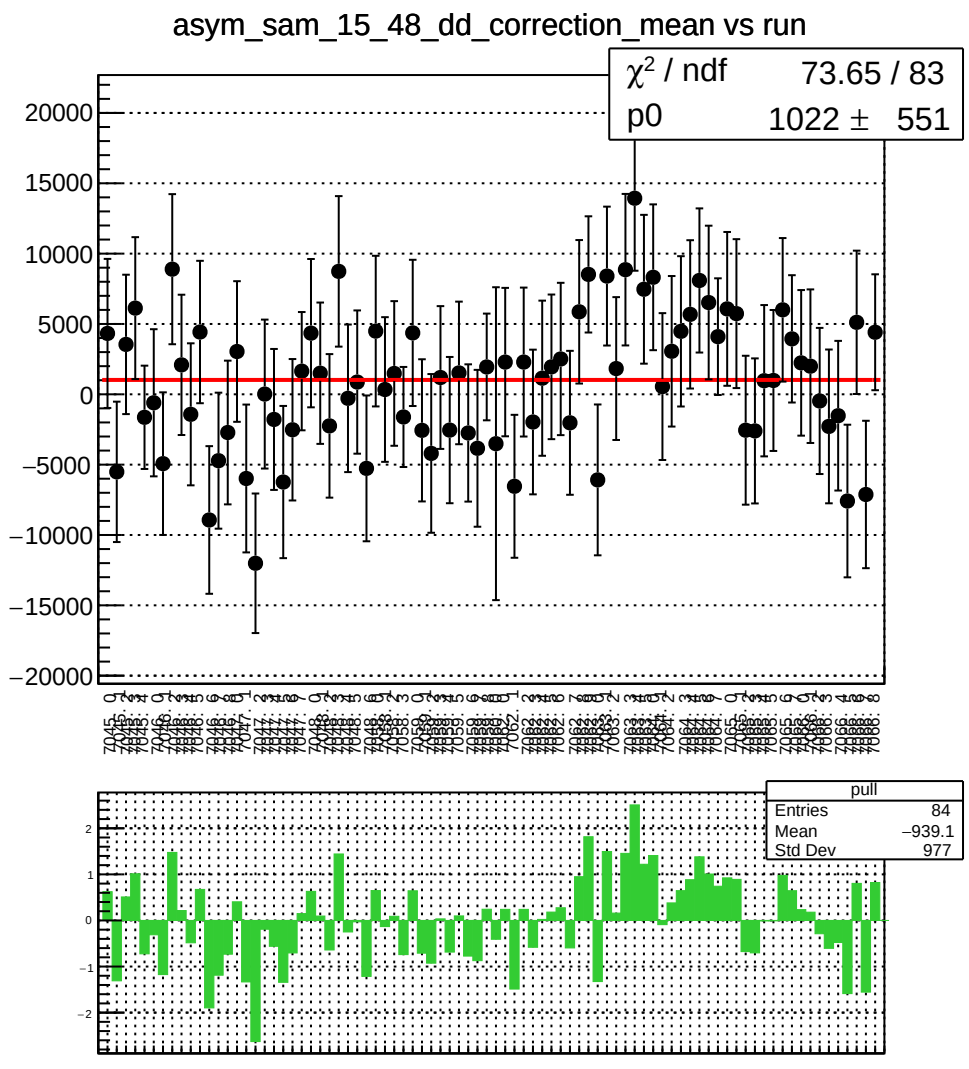

pull1D
Entries 84
Mean −0.01426
Std Dev 0.8904

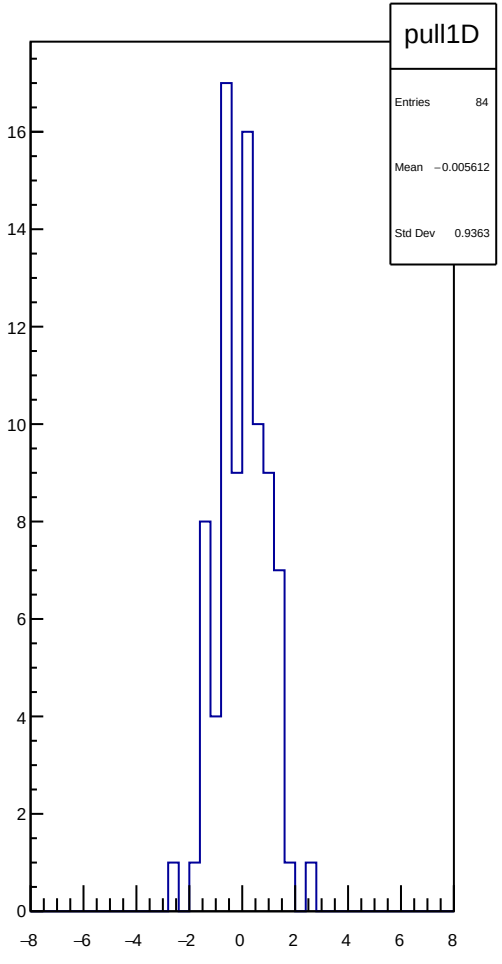

asym_sam_3726_avg_rms vs run
χ² / ndf 7077 / 83
p0 585.3 ± 0.4646
680
660
640
620
600
580
560
540
520
500

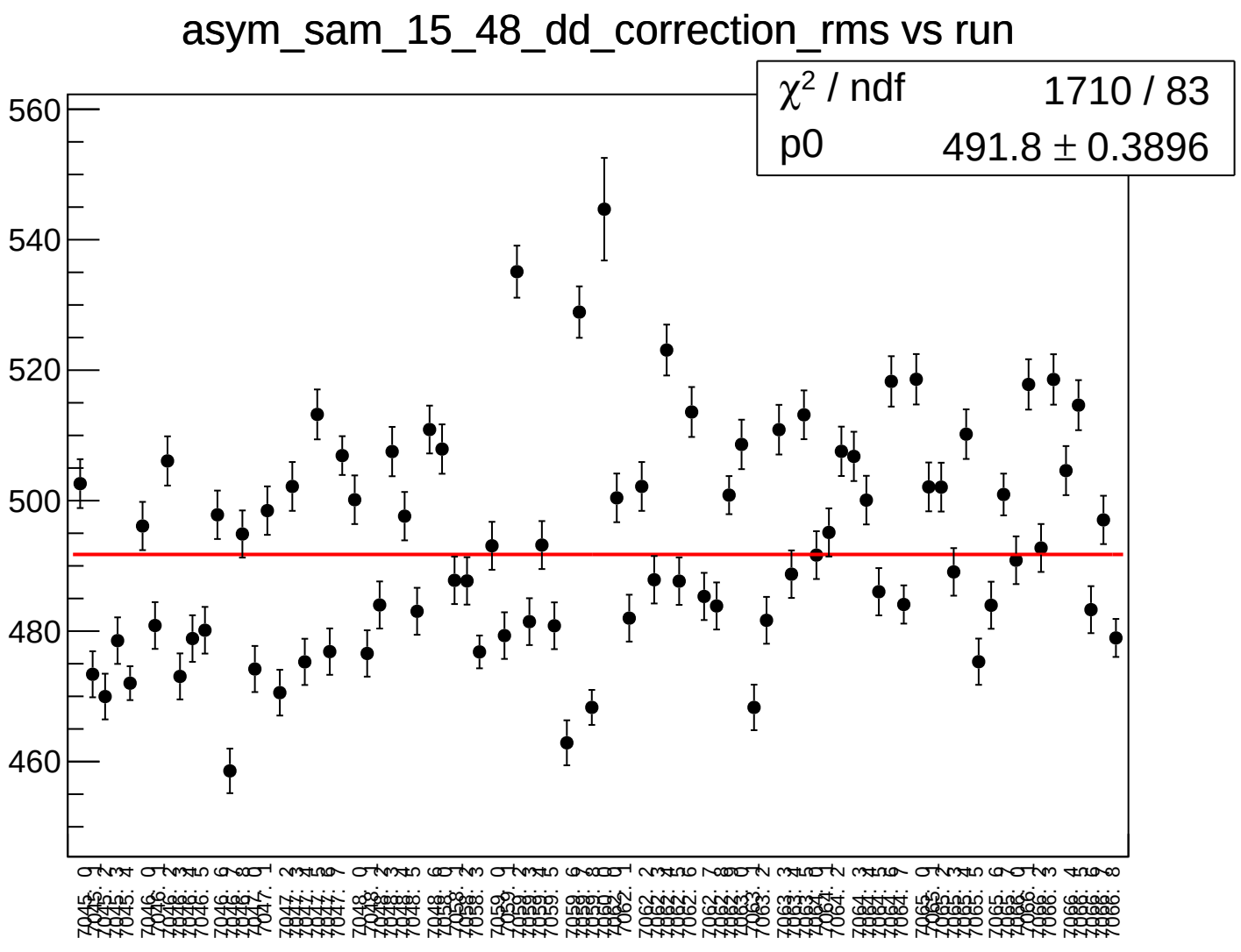

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.75 / 83
p0 −89.82 ± 64.78
pull
Entries 84
Mean 60.82
Std Dev 52.15

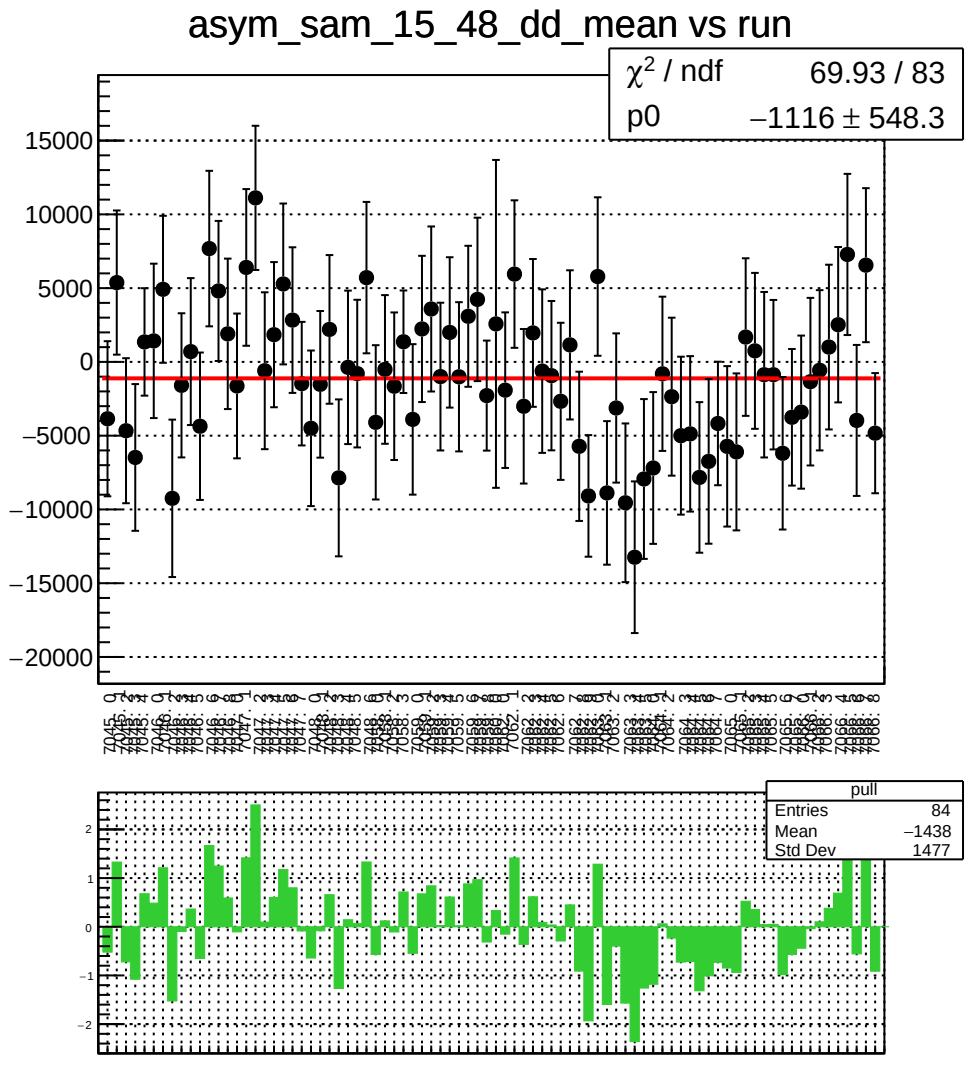

pull1D
Entries 84
Mean −0.01089
Std Dev 0.9925

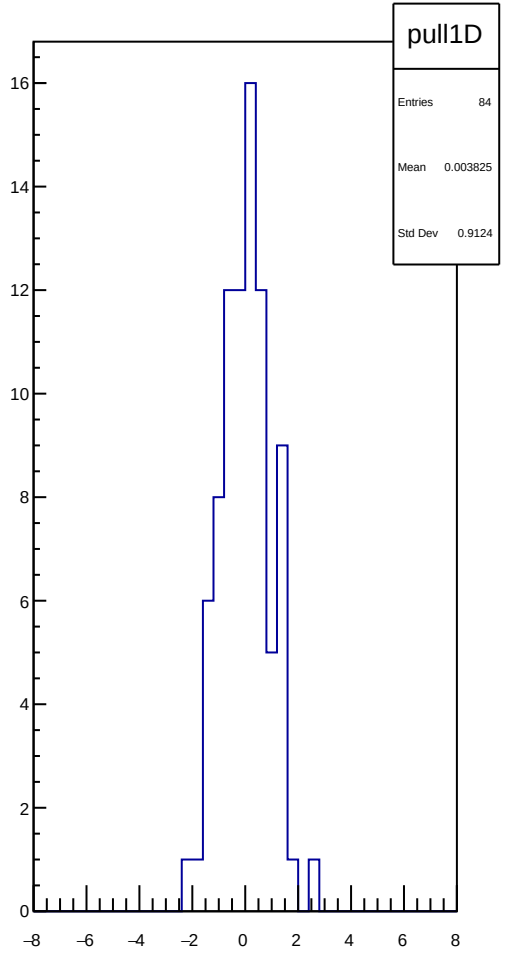

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.615e+04 / 83
p0 57 ± 0.04581
130
120
110
100
90
80
70
60
50

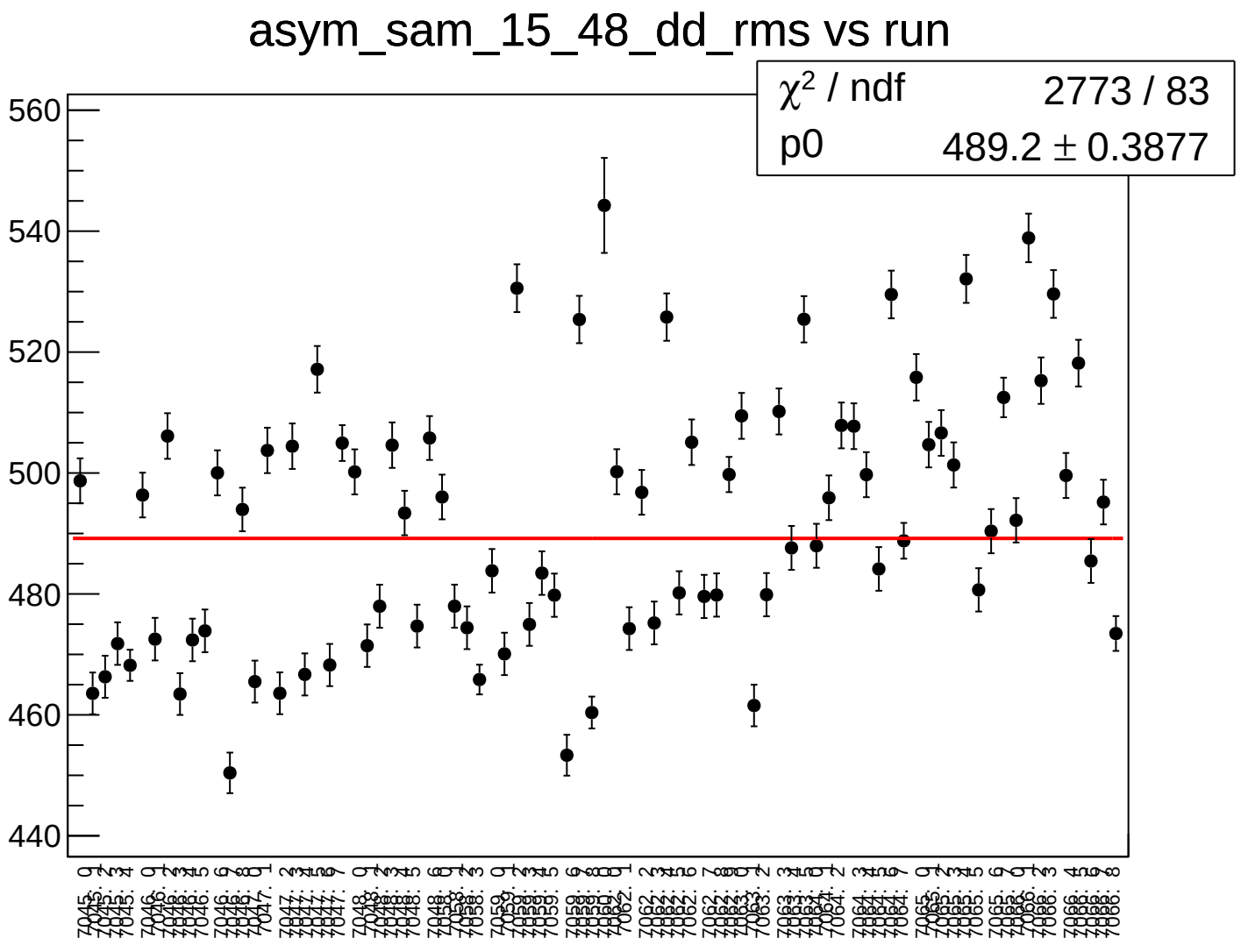

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 73.65 / 83
p0 1022 ± 551
pull
Entries 84
Mean −939.1
Std Dev 977

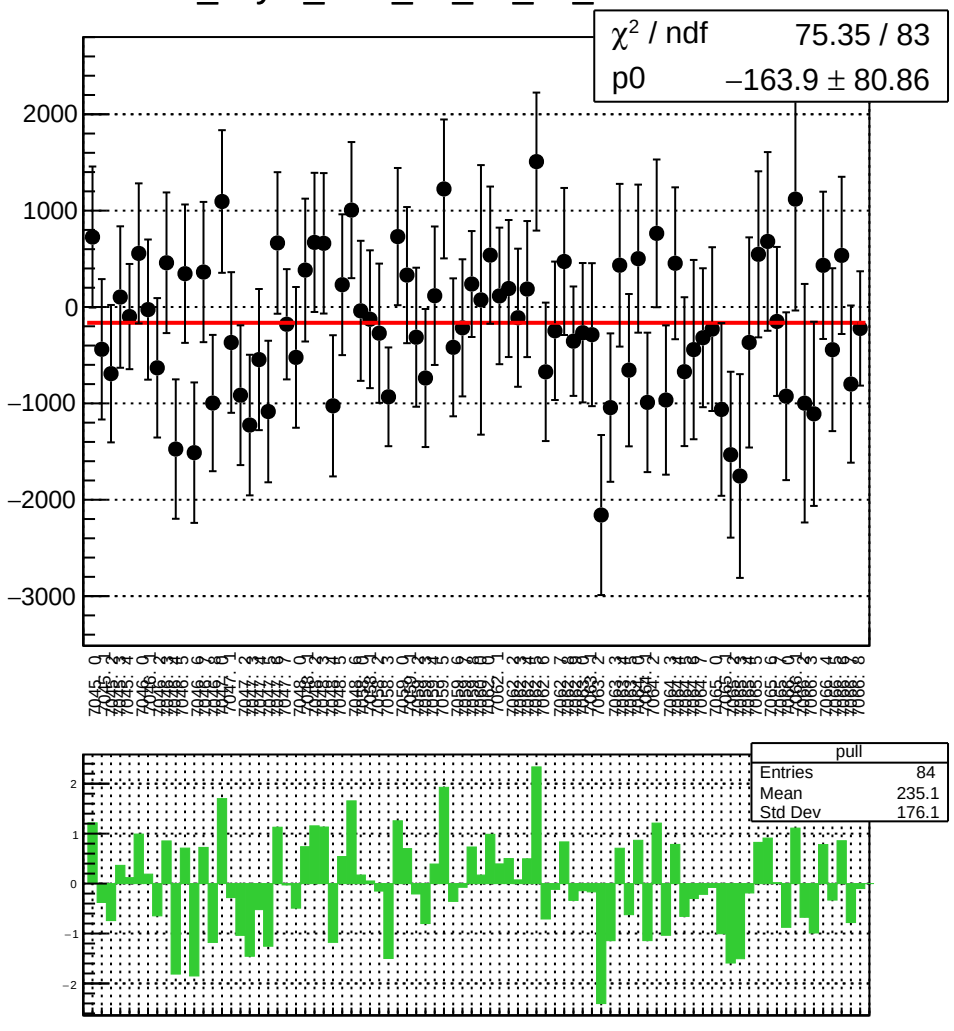

pull1D
Entries 84
Mean −0.005612
Std Dev 0.9363

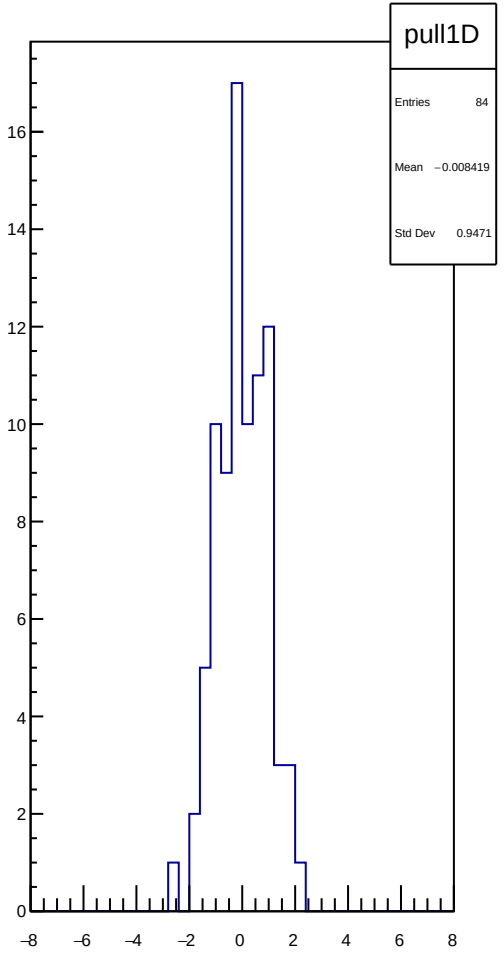

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1710 / 83
p0 491.8 ± 0.3896
560
540
520
500
480
460

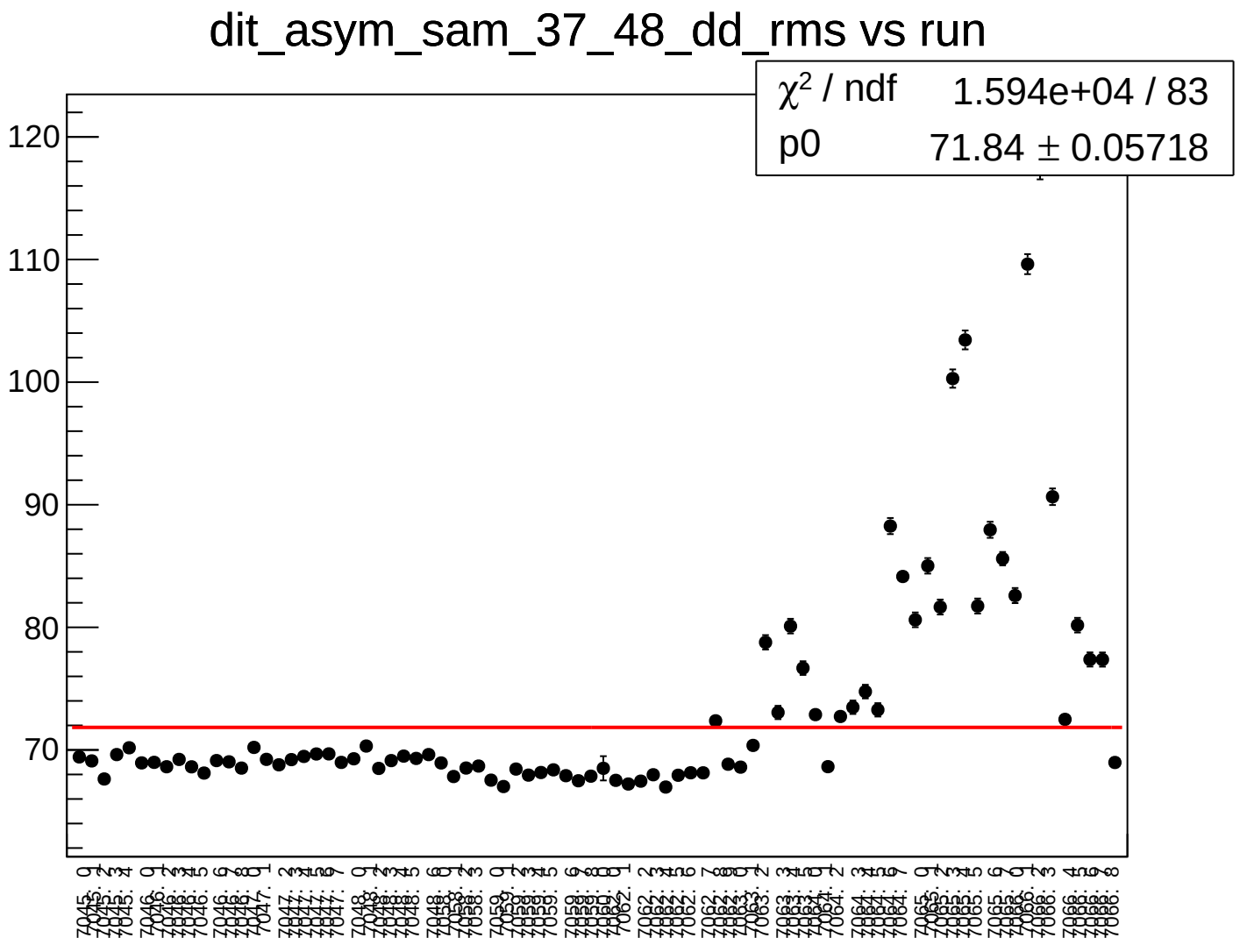

asym_sam_15_48_dd_mean vs run
χ² / ndf 69.93 / 83
p0 −1116 ± 548.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 84
Mean −1438
Std Dev 1477
2
1
0
−1
−2

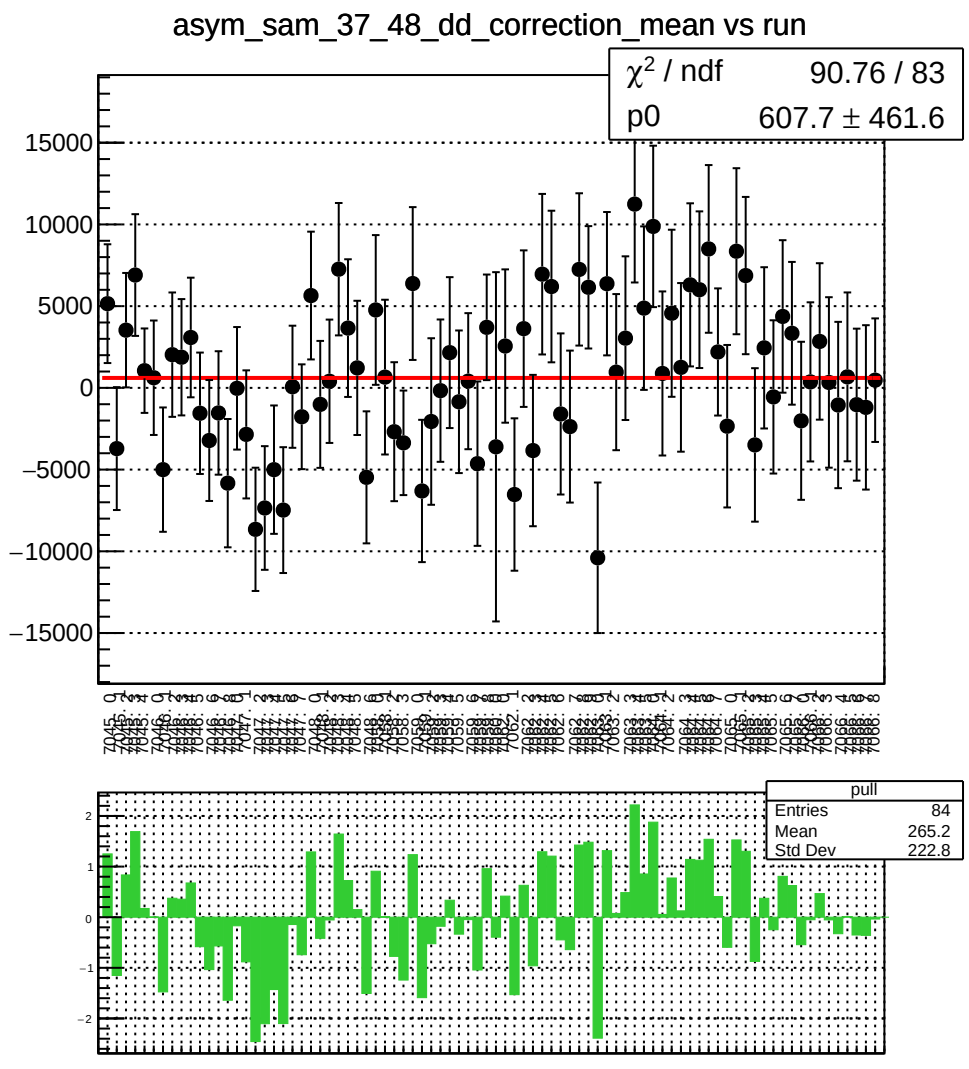

pull1D
Entries 84
Mean 0.003825
Std Dev 0.9124
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

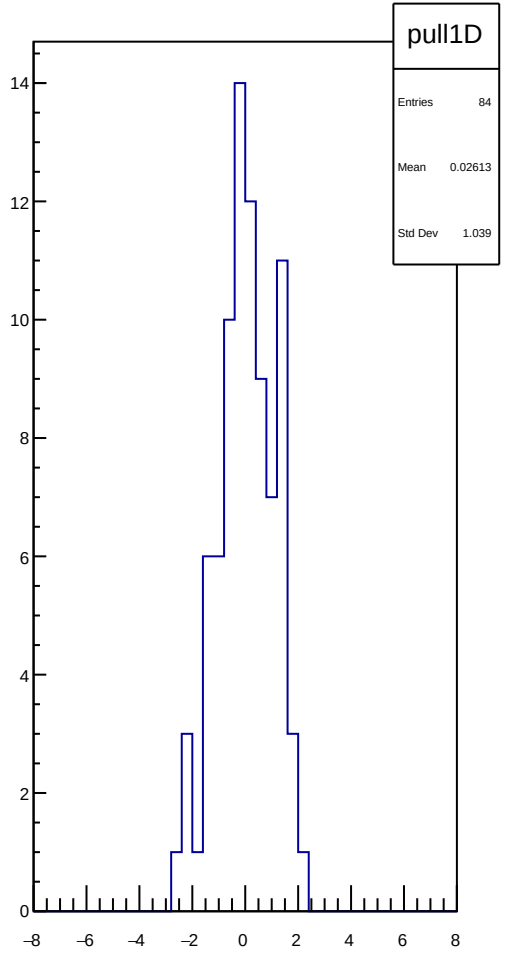

asym_sam_15_48_dd_rms vs run
χ² / ndf 2773 / 83
p0 489.2 ± 0.3877
560
540
520
500
480
460
440

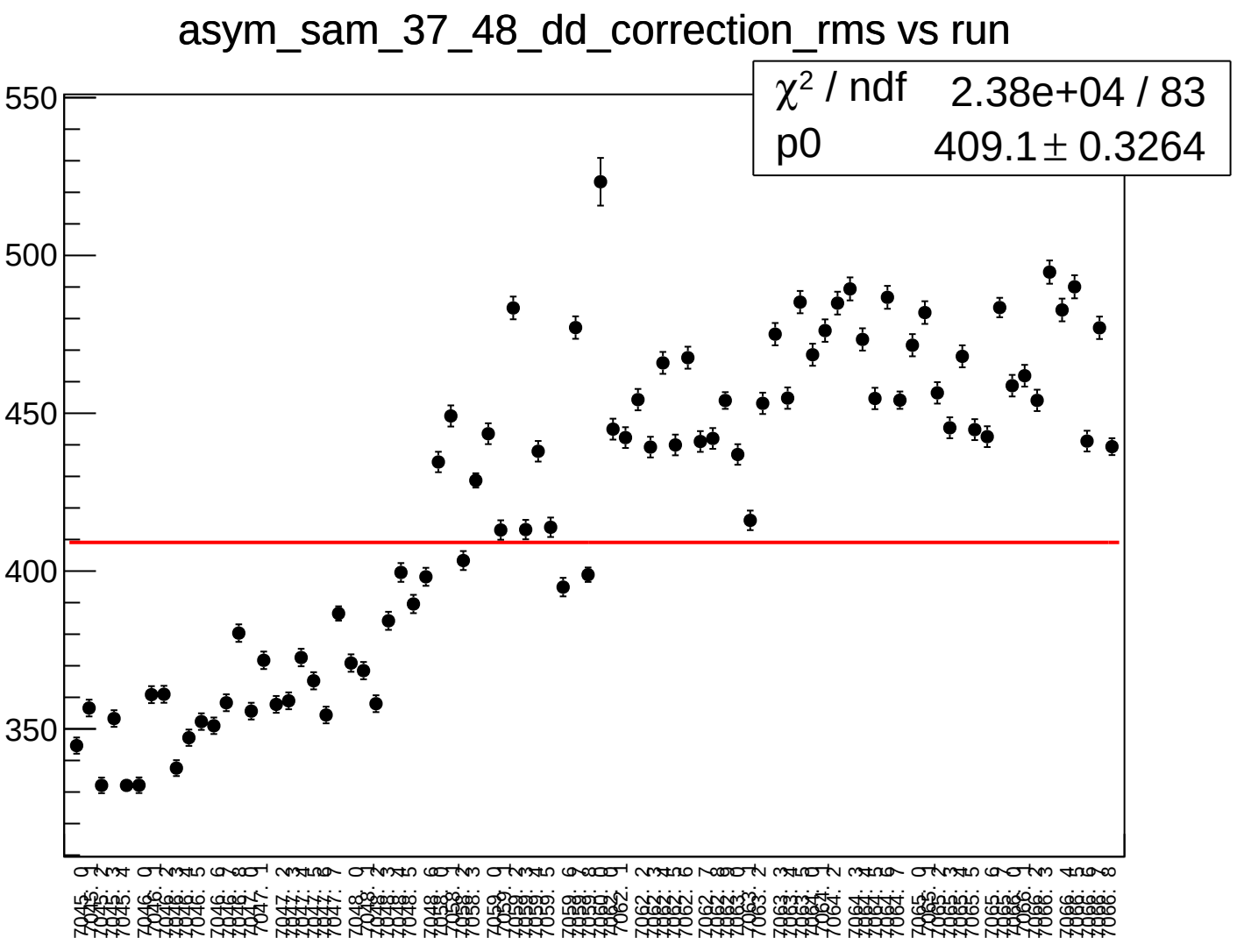

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 75.35 / 83
p0 −163.9 ± 80.86
pull
Entries 84
Mean 235.1
Std Dev 176.1

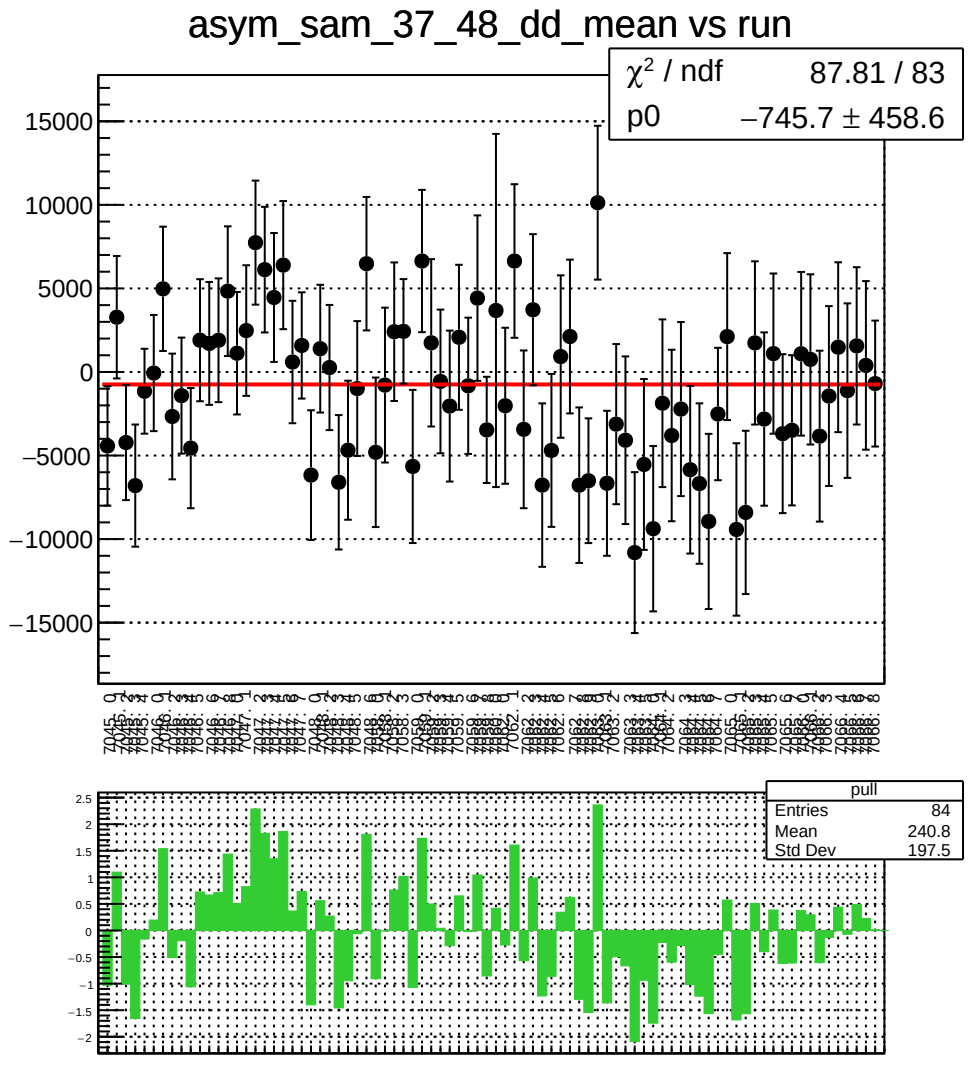

pull1D
Entries 84
Mean −0.008419
Std Dev 0.9471

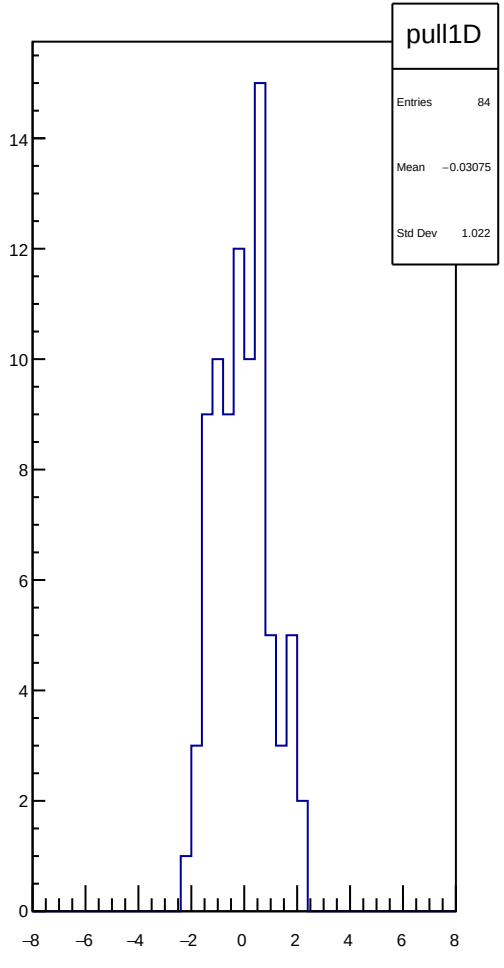

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.594e+04 / 83
p0 71.84 ± 0.05718
120
110
100
90
80
70

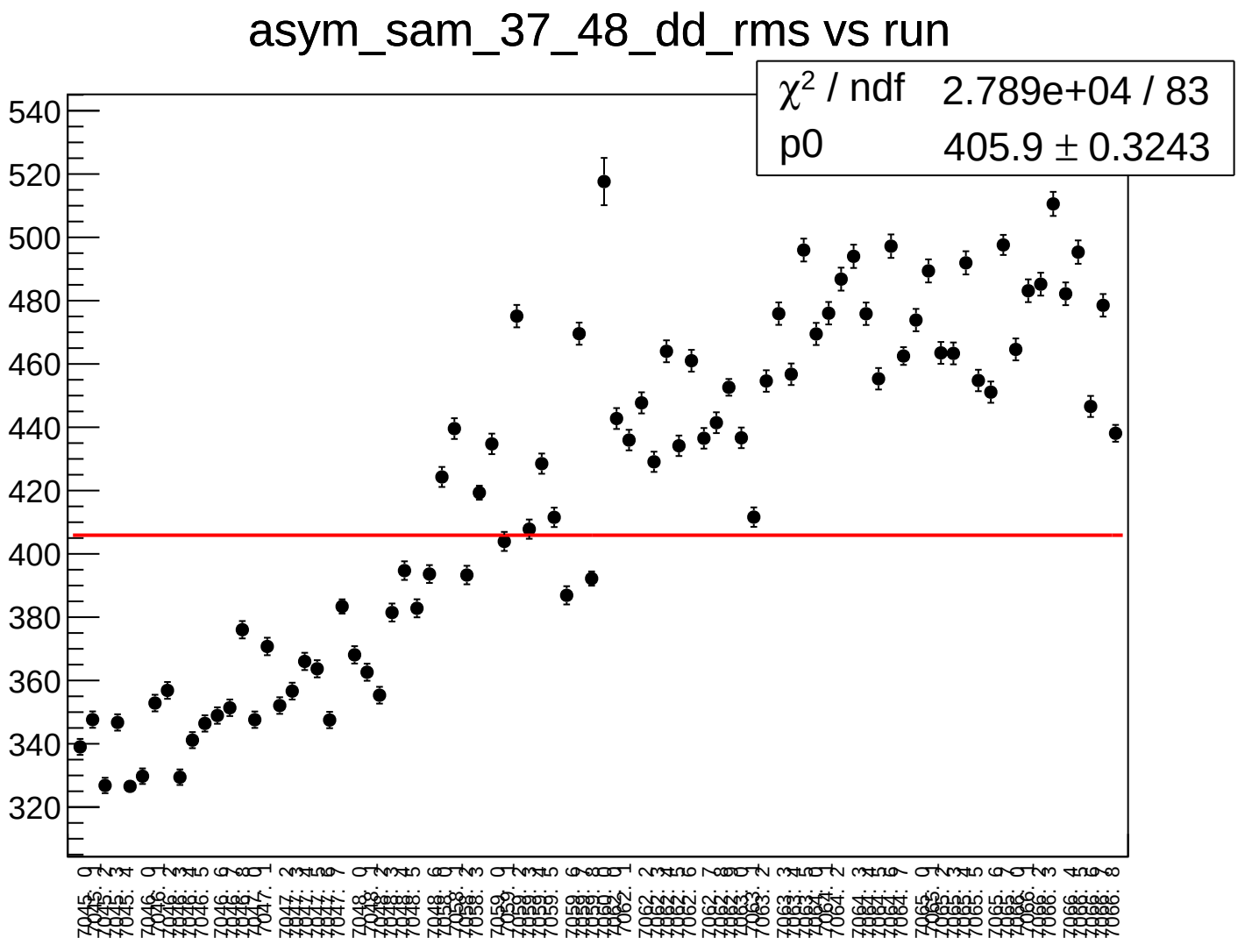

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 90.76 / 83
p0 607.7 ± 461.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 265.2
Std Dev 222.8
2
1
0
−1
−2

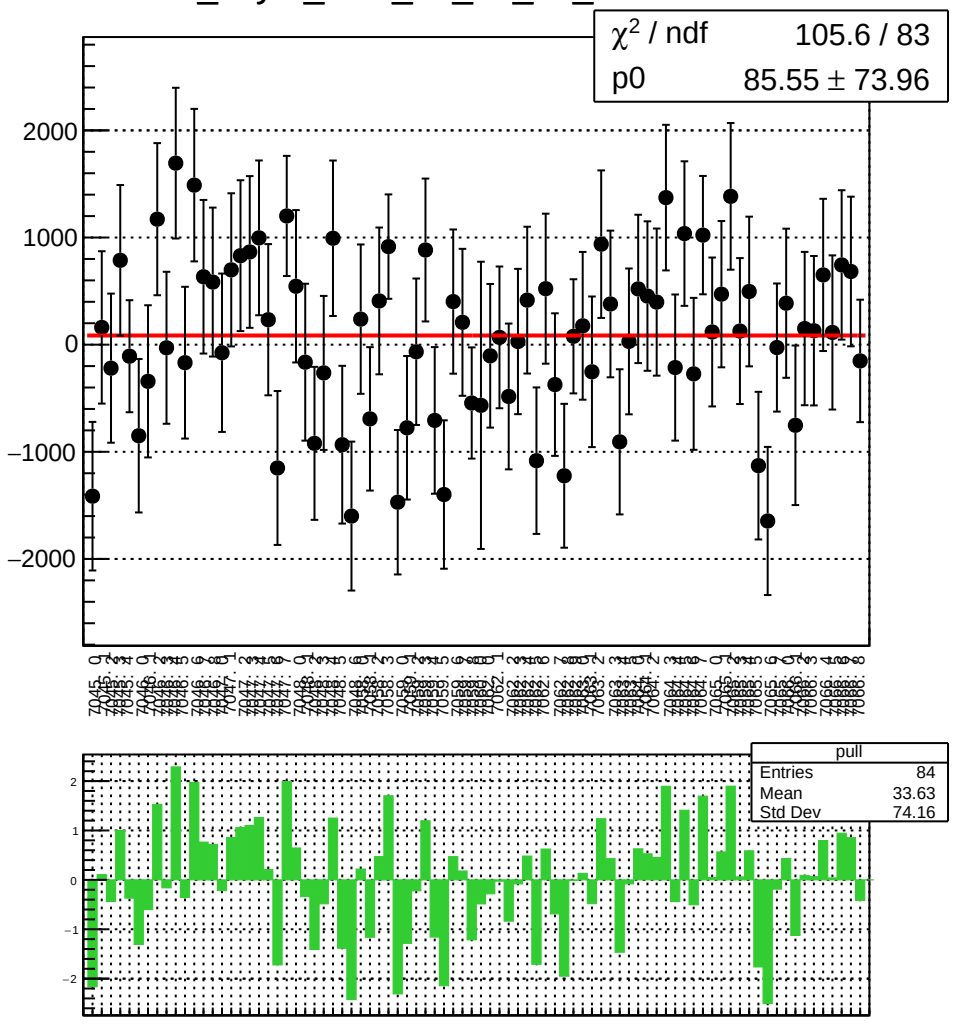

pull1D
Entries 84
Mean 0.02613
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

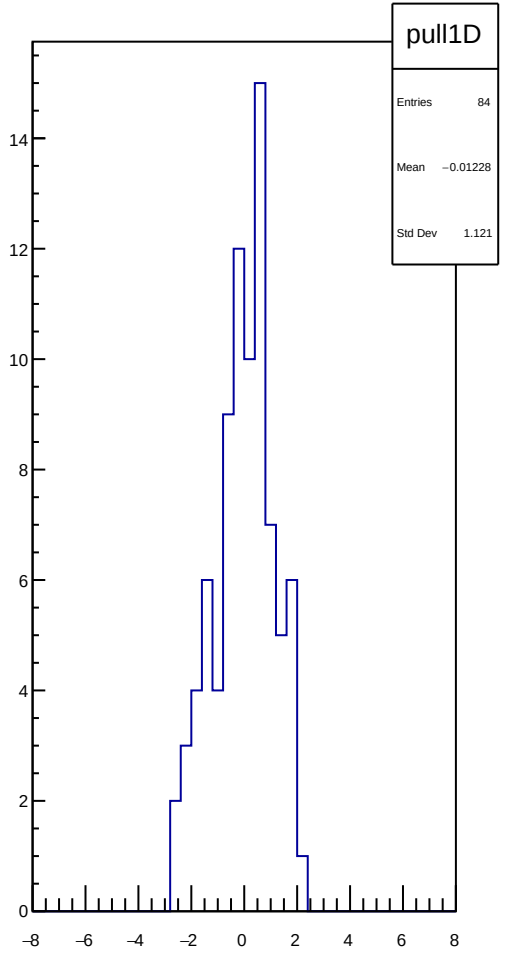

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2.38e+04 / 83
p0 409.1 ± 0.3264
550
500
450
400
350

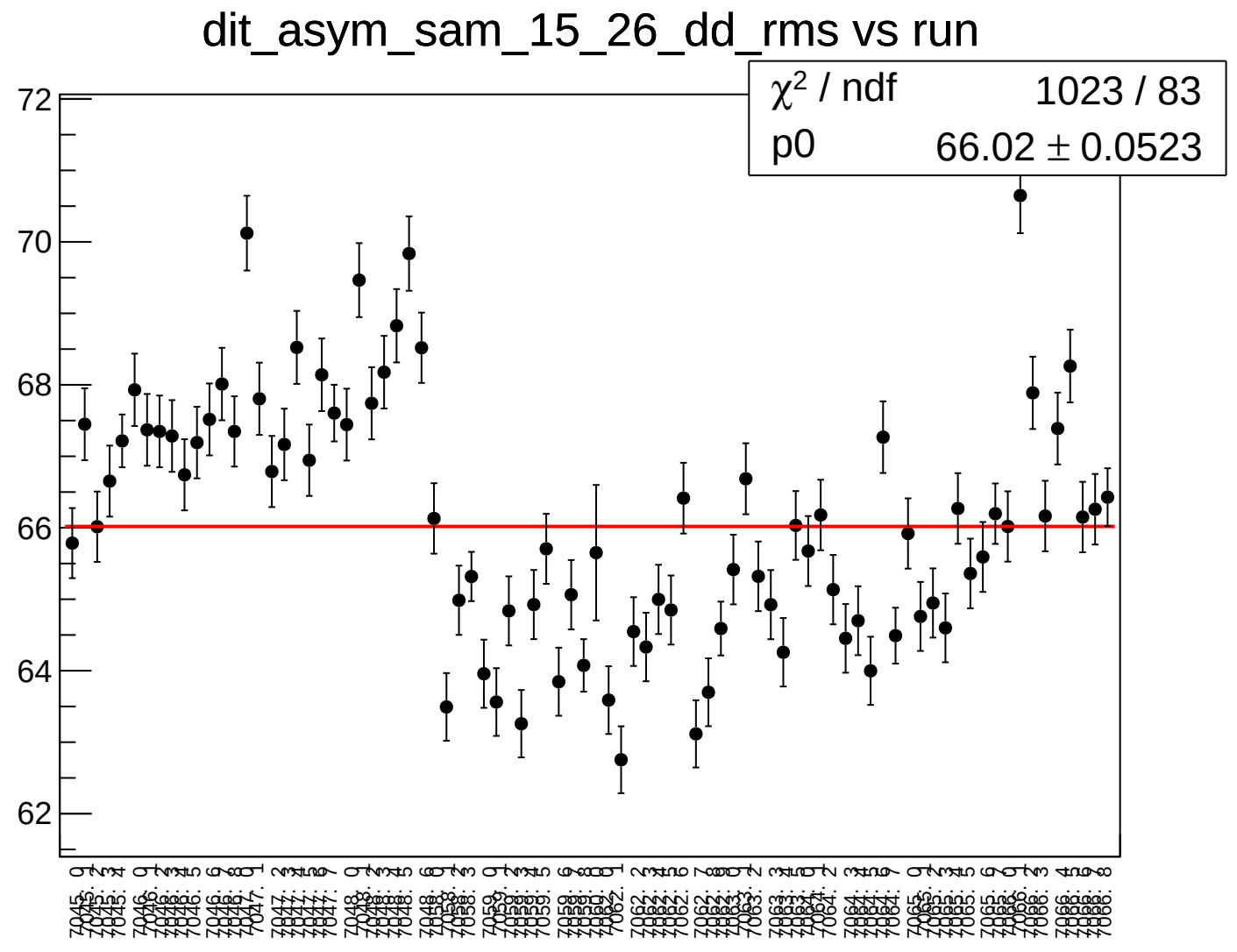

asym_sam_37_48_dd_mean vs run
χ² / ndf 87.81 / 83
p0 −745.7 ± 458.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 240.8
Std Dev 197.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

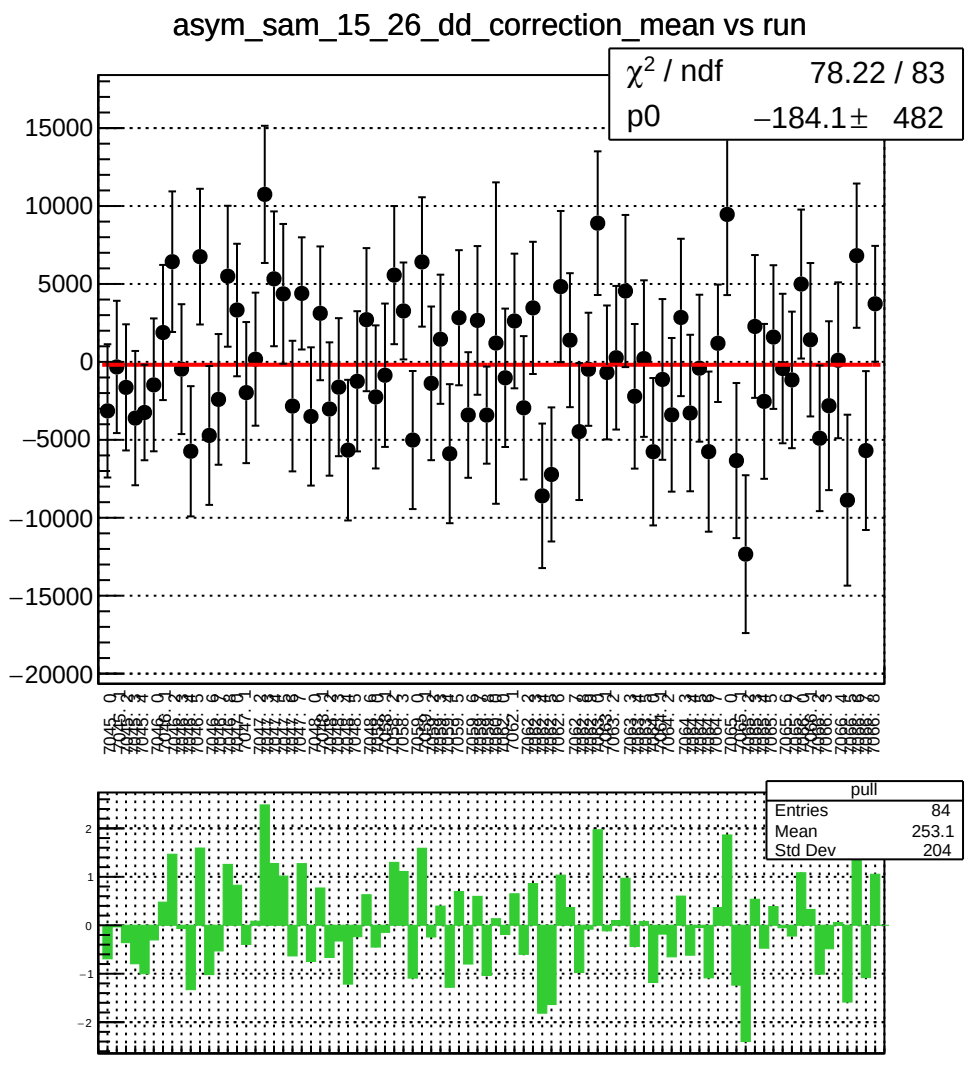

pull1D
Entries 84
Mean −0.03075
Std Dev 1.022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

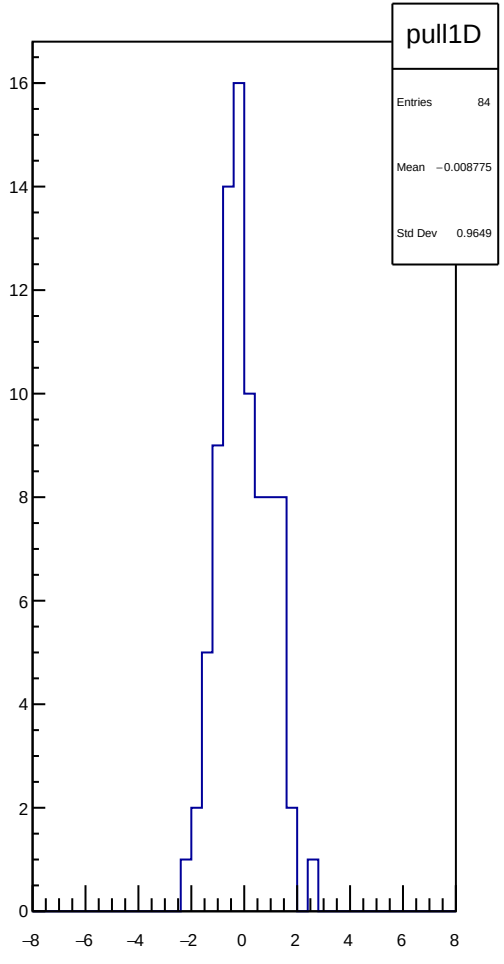

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2.789e+04 / 83
p0 405.9 ± 0.3243
540
520
500
480
460
440
420
400
380
360
340
320

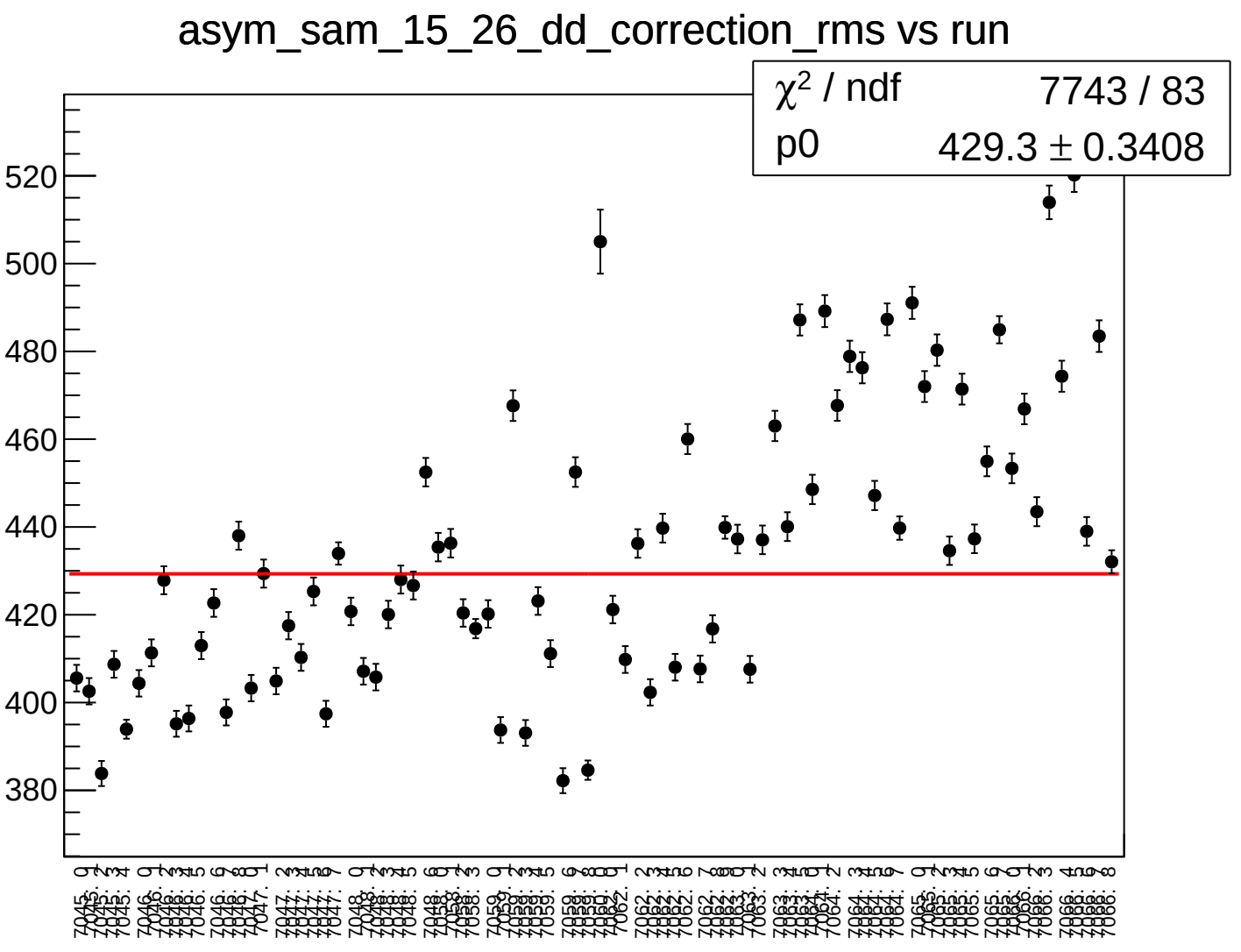

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 105.6 / 83
p0 85.55 ± 73.96
2000
1000
0
−1000
−2000
pull
Entries 84
Mean 33.63
Std Dev 74.16
2
1
0
−1
−2

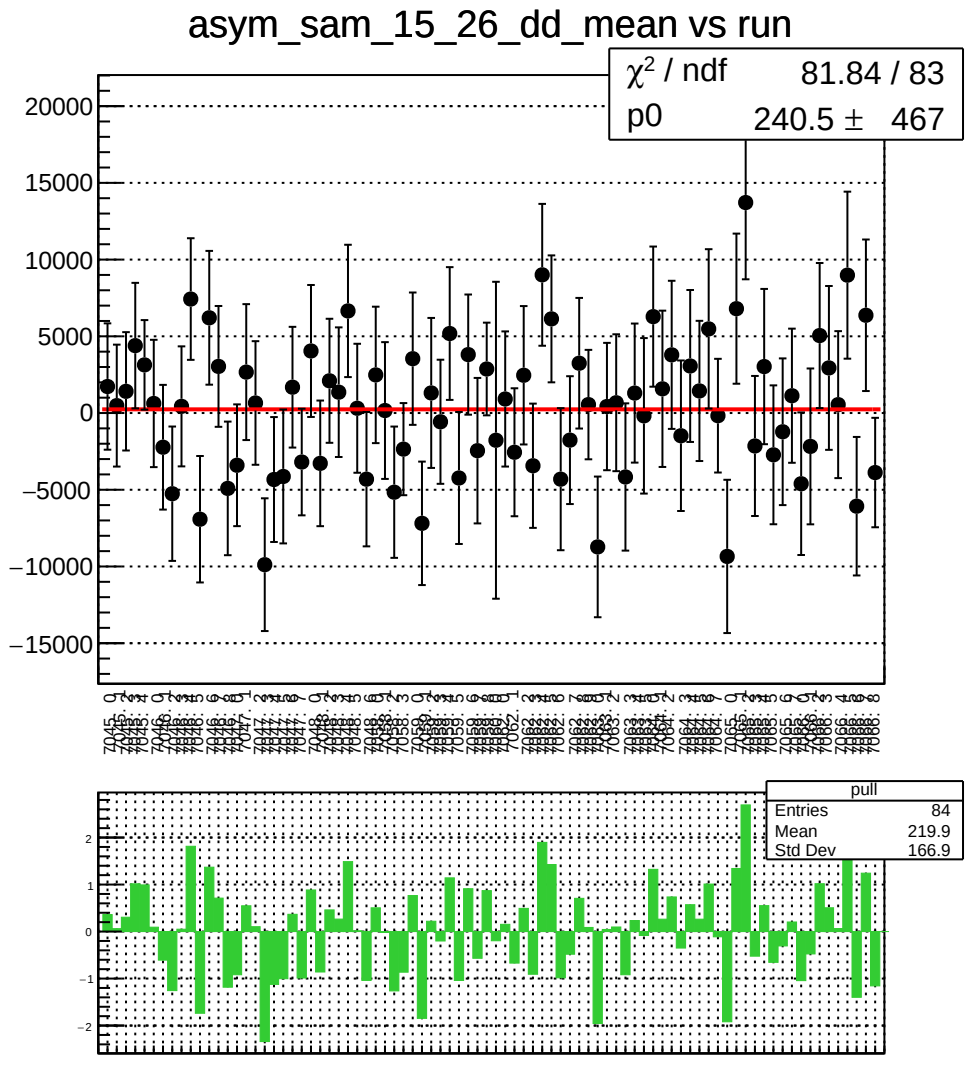

pull1D
Entries 84
Mean −0.01228
Std Dev 1.121
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

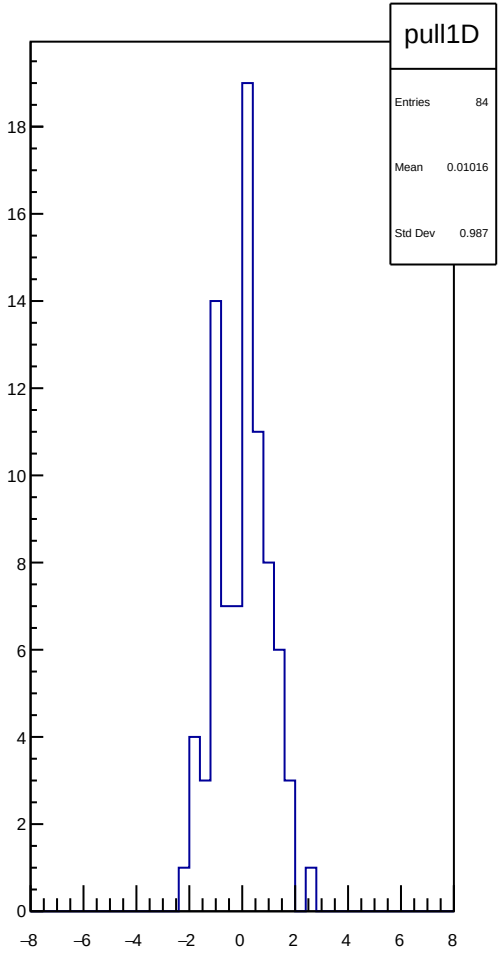

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1023 / 83
p0 66.02 ± 0.0523
72
70
68
66
64
62

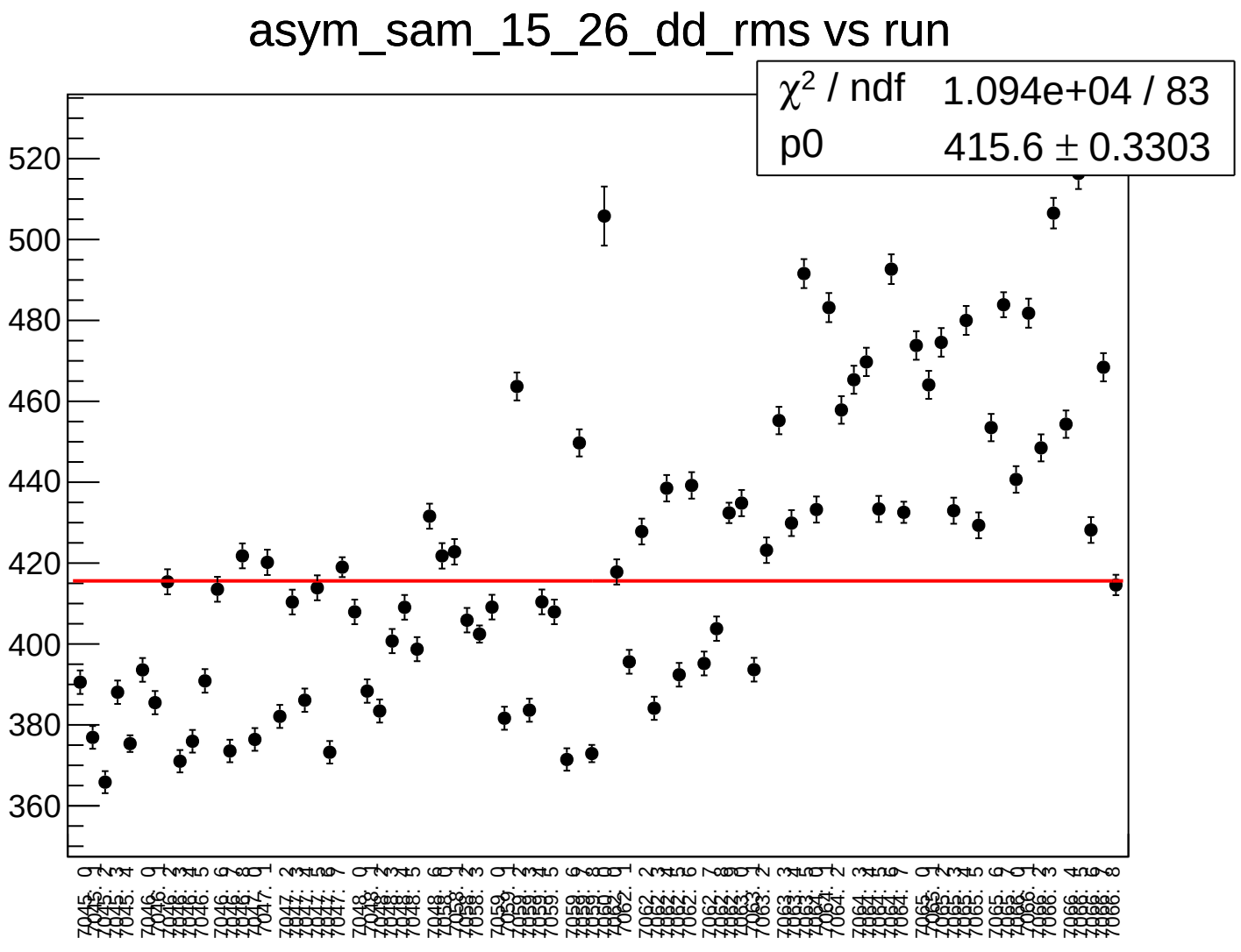

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 78.22 / 83
p0 −184.1± 482
pull
Entries 84
Mean 253.1
Std Dev 204

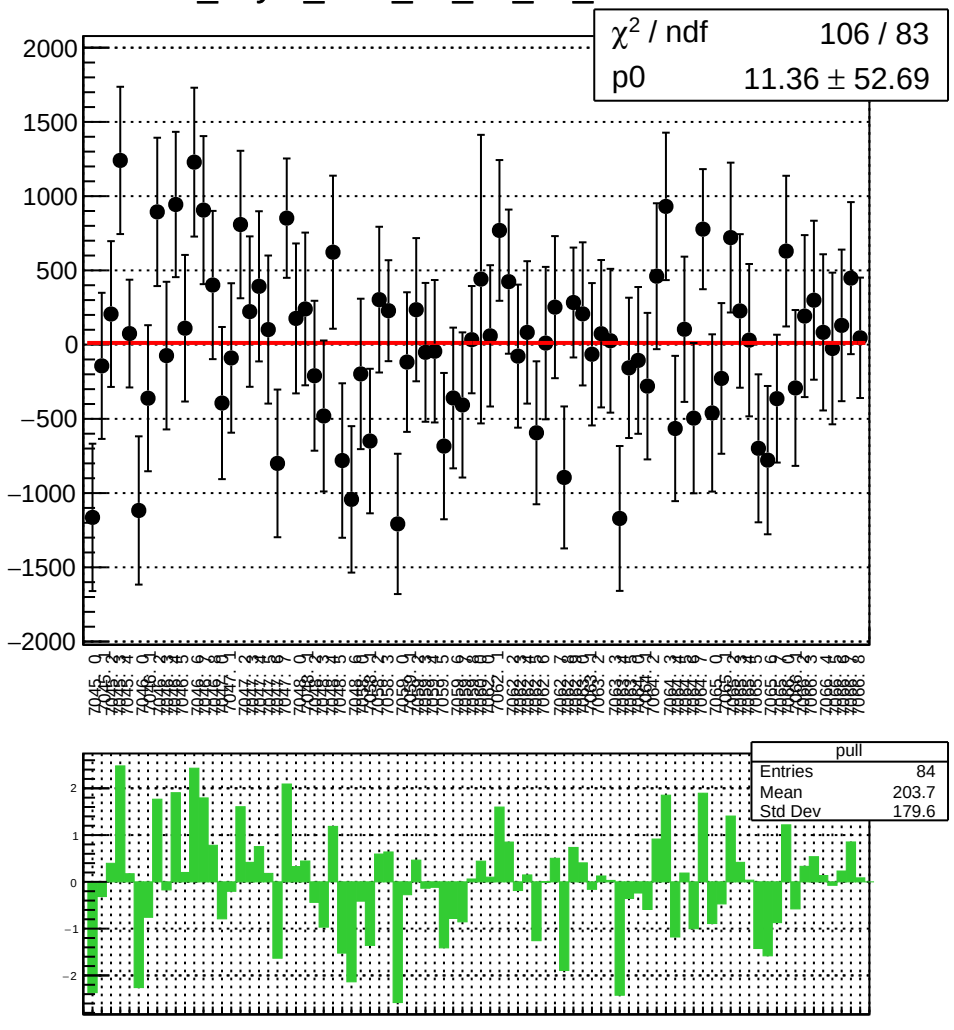

pull1D
Entries 84
Mean −0.008775
Std Dev 0.9649

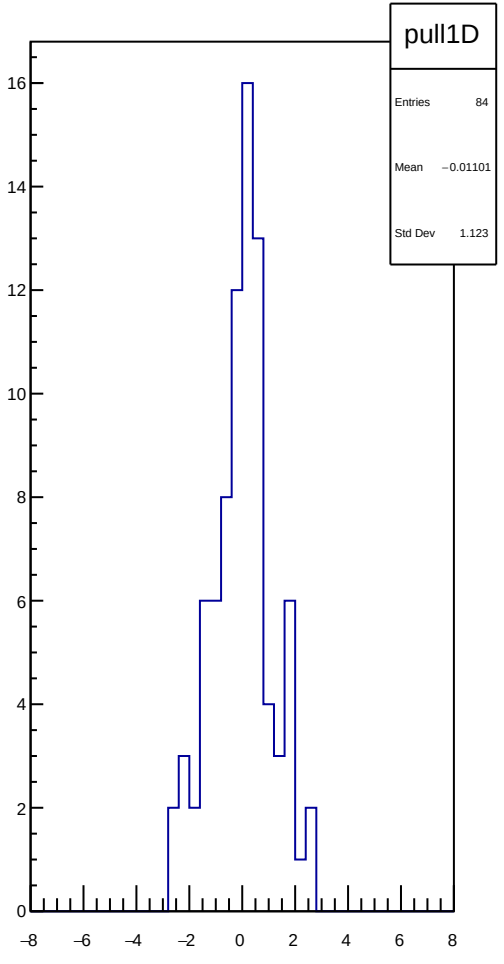

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 7743 / 83
p0 429.3 ± 0.3408
520
500
480
460
440
420
400
380

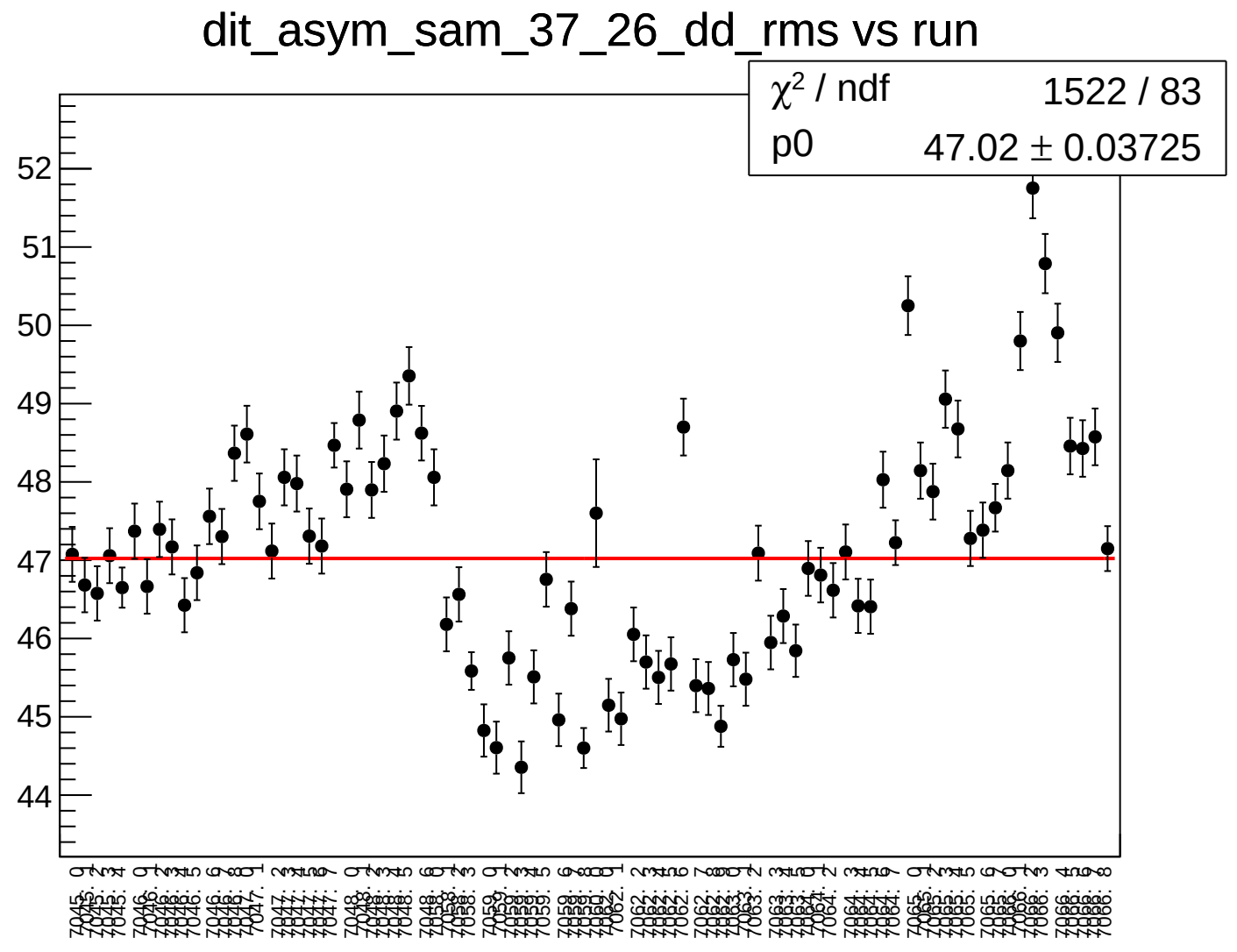

asym_sam_15_26_dd_mean vs run
χ² / ndf 81.84 / 83
p0 240.5 ± 467
pull
Entries 84
Mean 219.9
Std Dev 166.9

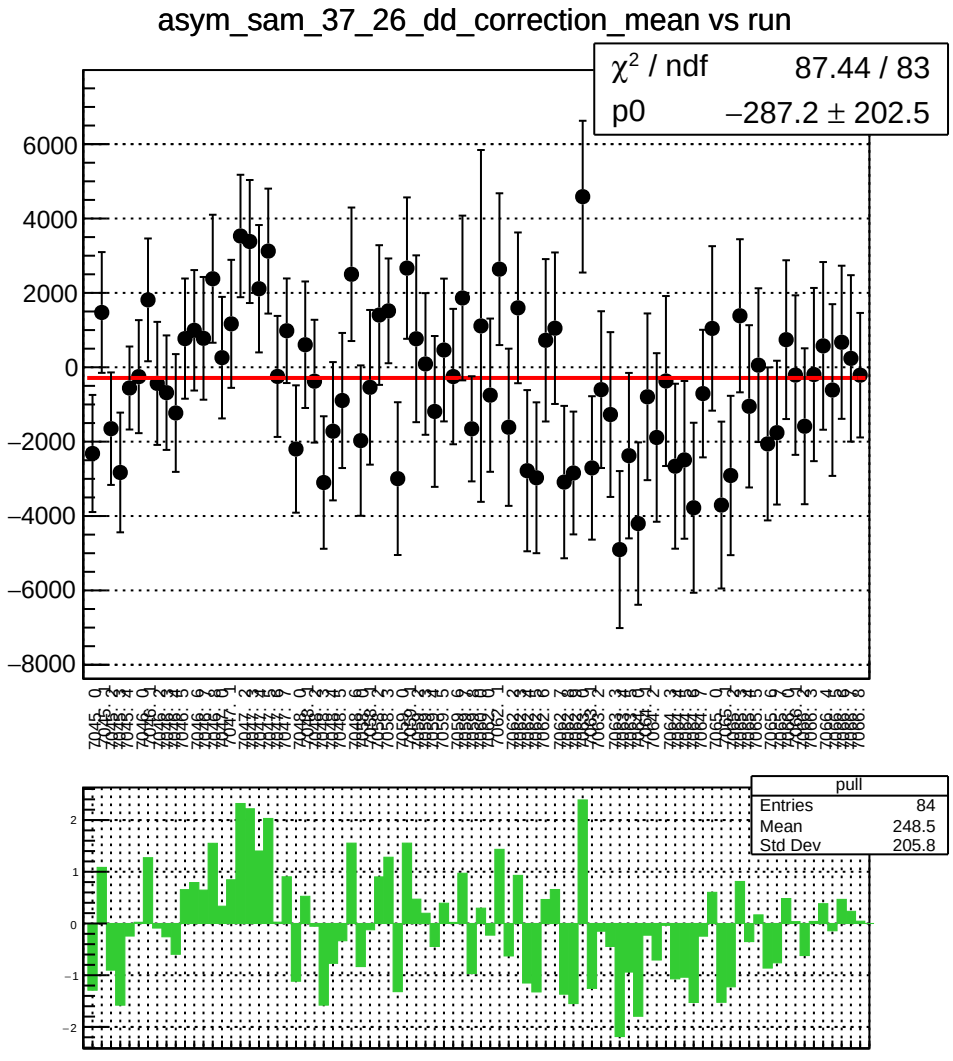

pull1D
Entries 84
Mean 0.01016
Std Dev 0.987

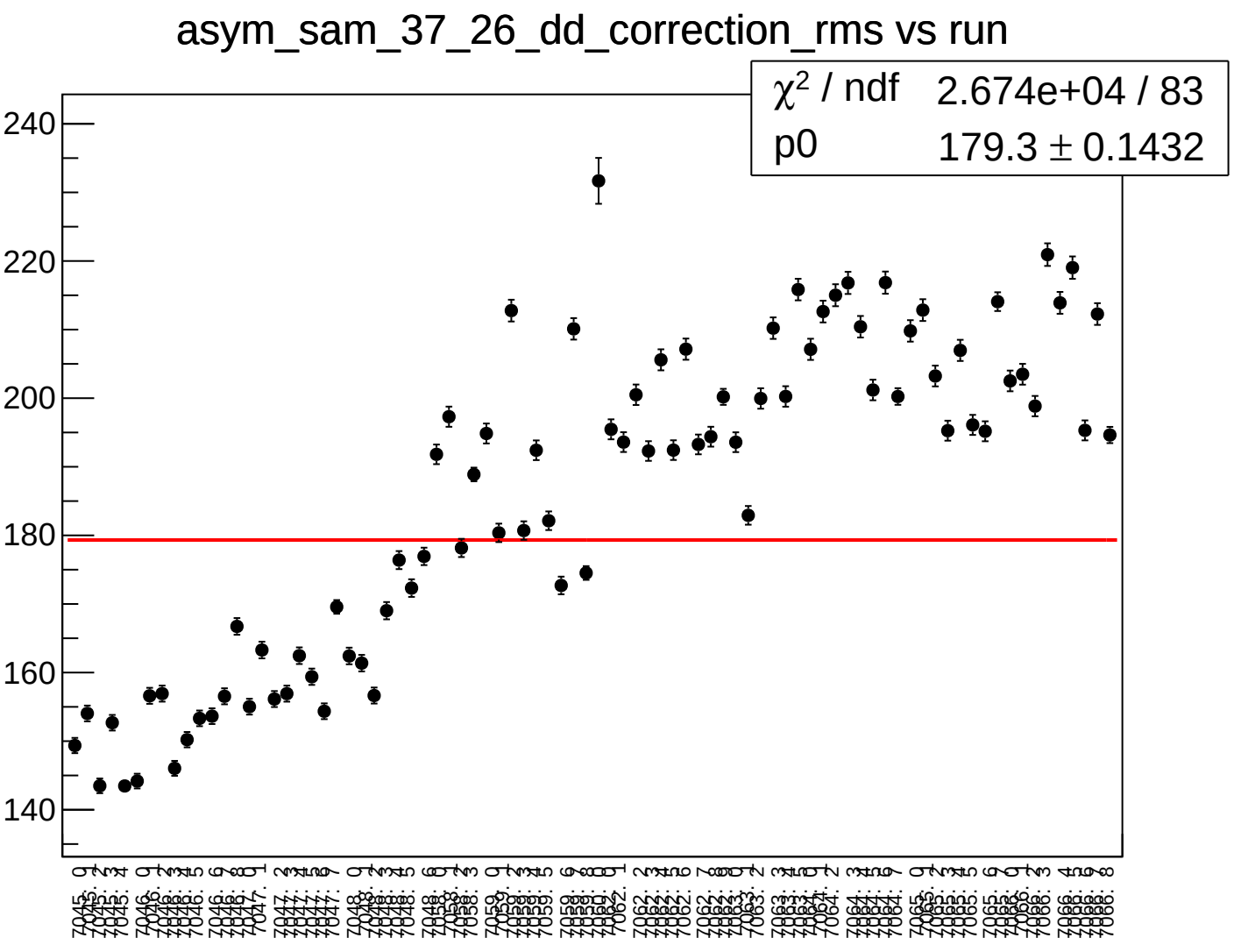

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.094e+04 / 83
p0 415.6 ± 0.3303
520
500
480
460
440
420
400
380
360

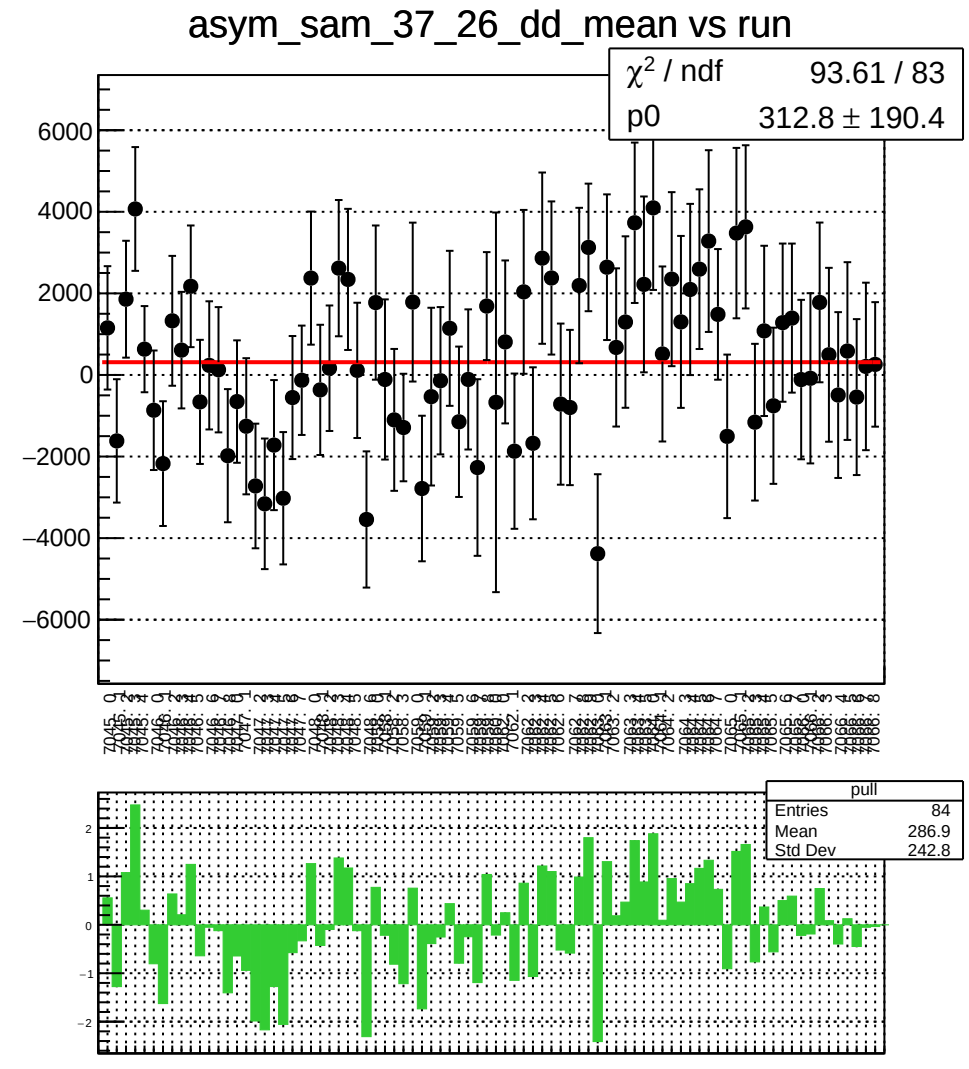

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 106 / 83
p0 11.36 ± 52.69
pull
Entries 84
Mean 203.7
Std Dev 179.6

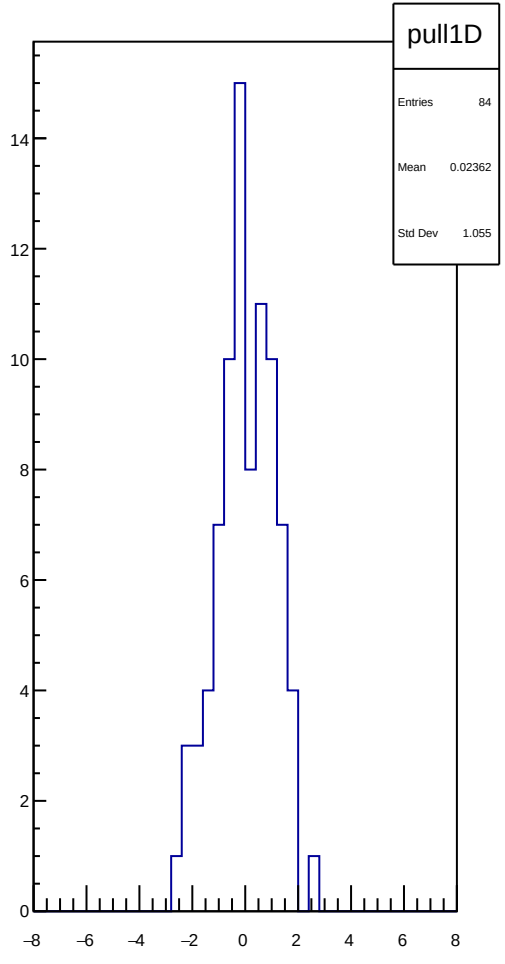

pull1D
Entries 84
Mean −0.01101
Std Dev 1.123

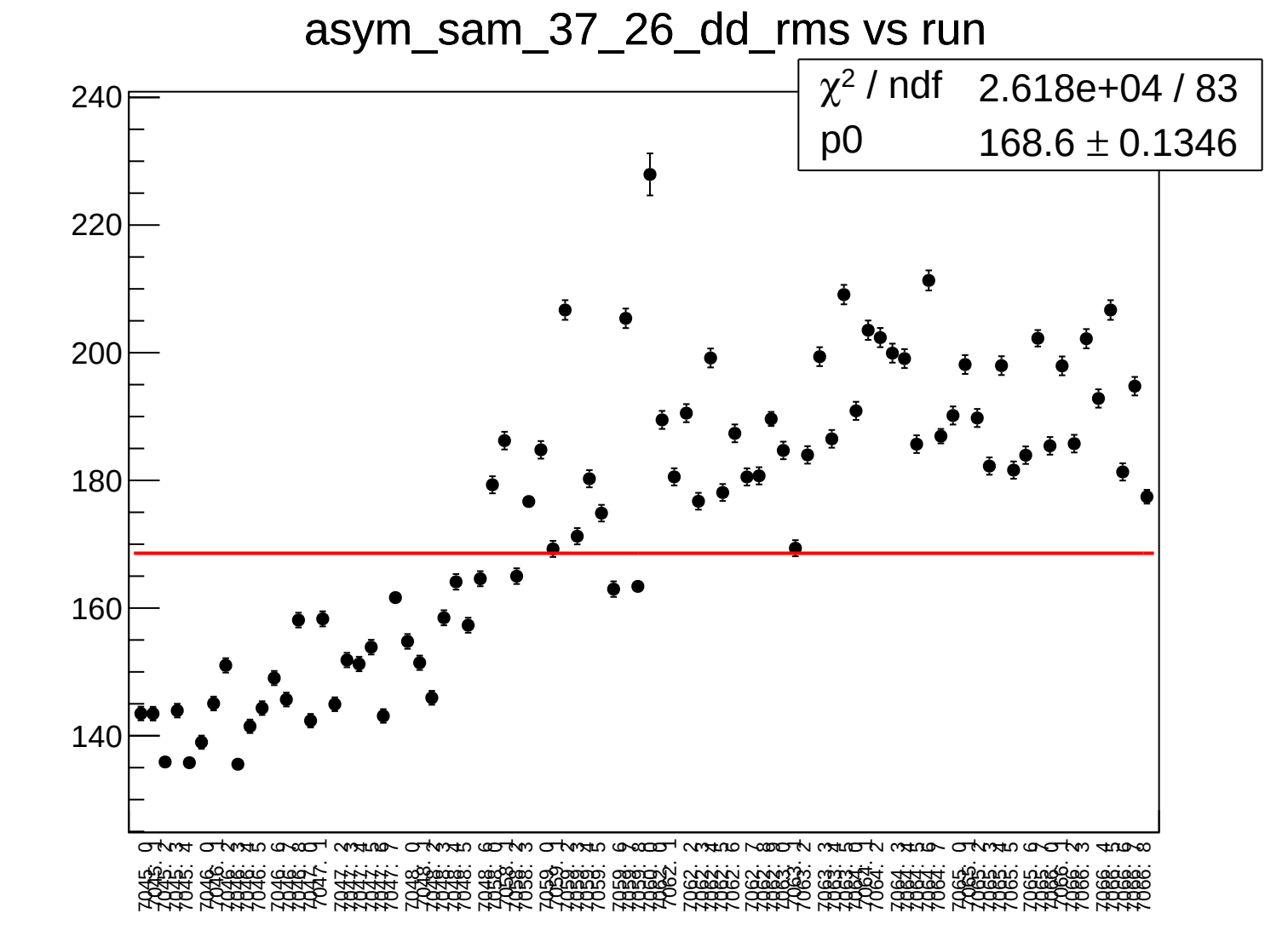

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1522 / 83
p0 47.02 ± 0.03725
52
51
50
49
48
47
46
45
44

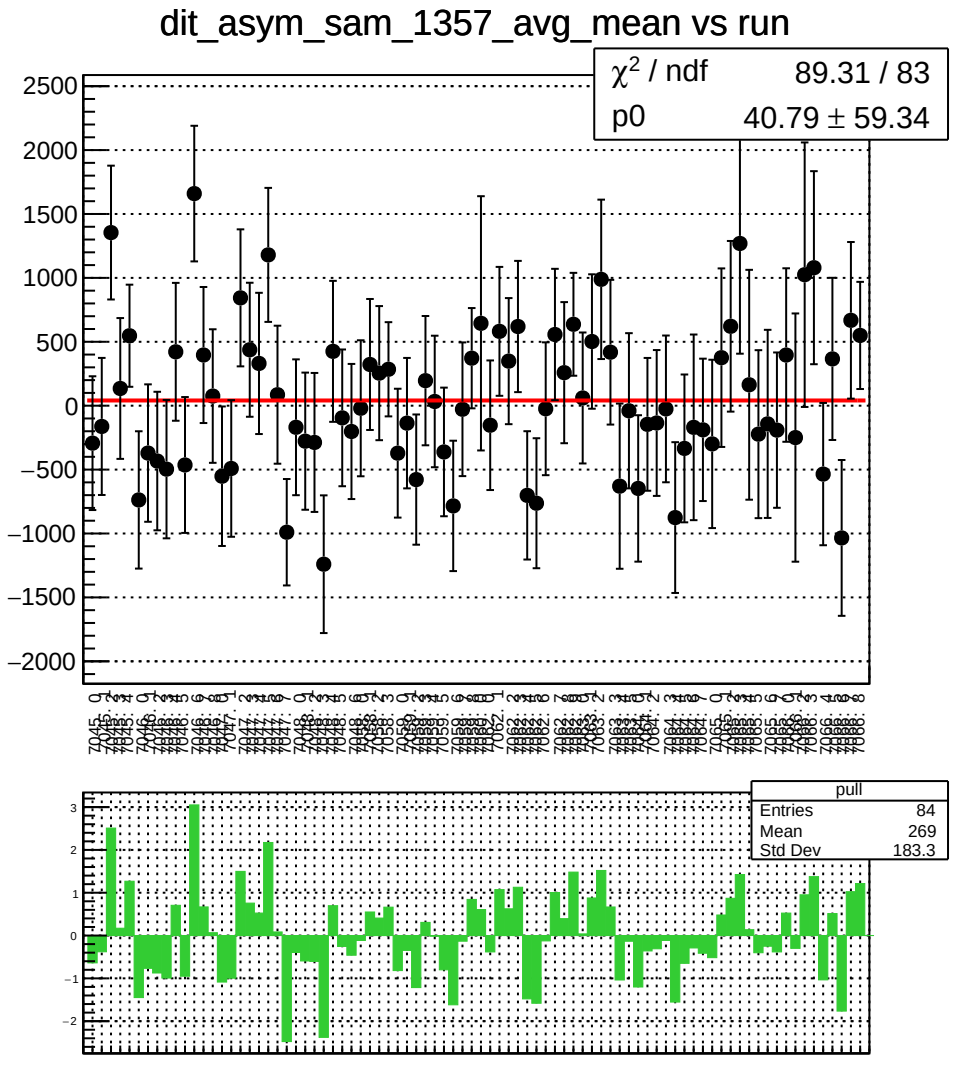

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 87.44 / 83
p0 −287.2 ± 202.5
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 84
Mean 248.5
Std Dev 205.8
2
1
0
−1
−2
pull1D
Entries 84
Mean −0.02892
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

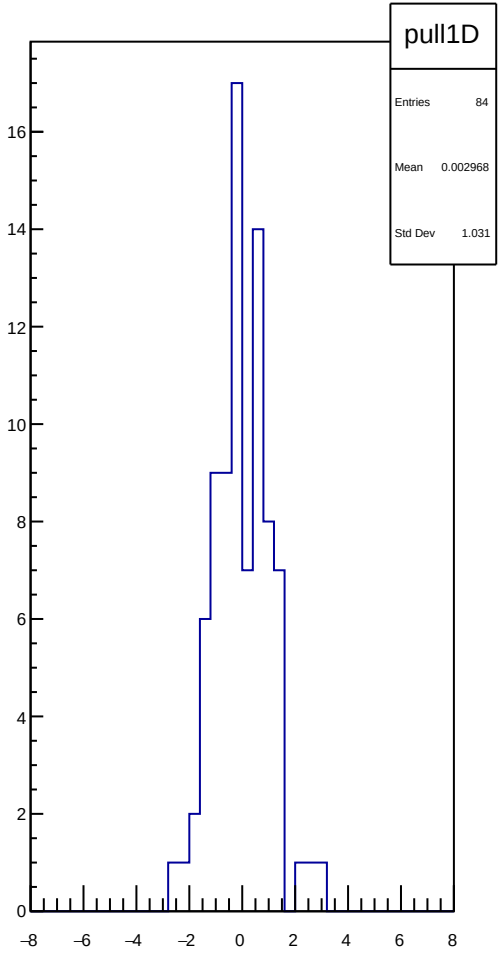

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 2.674e+04 / 83
p0 179.3 ± 0.1432
240
220
200
180
160
140

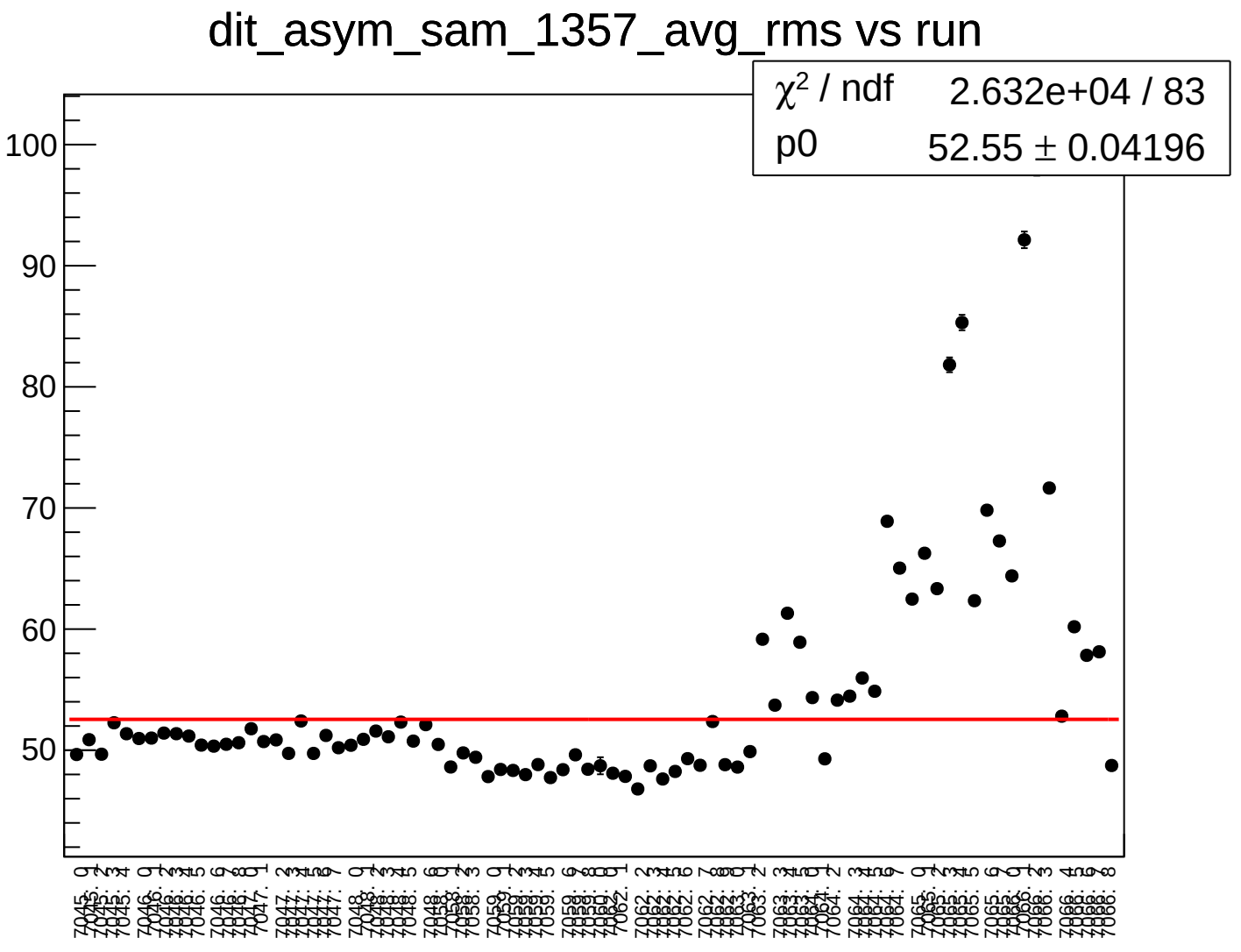

asym_sam_37_26_dd_mean vs run
χ² / ndf 93.61 / 83
p0 312.8 ± 190.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean 286.9
Std Dev 242.8
2
1
0
−1
−2

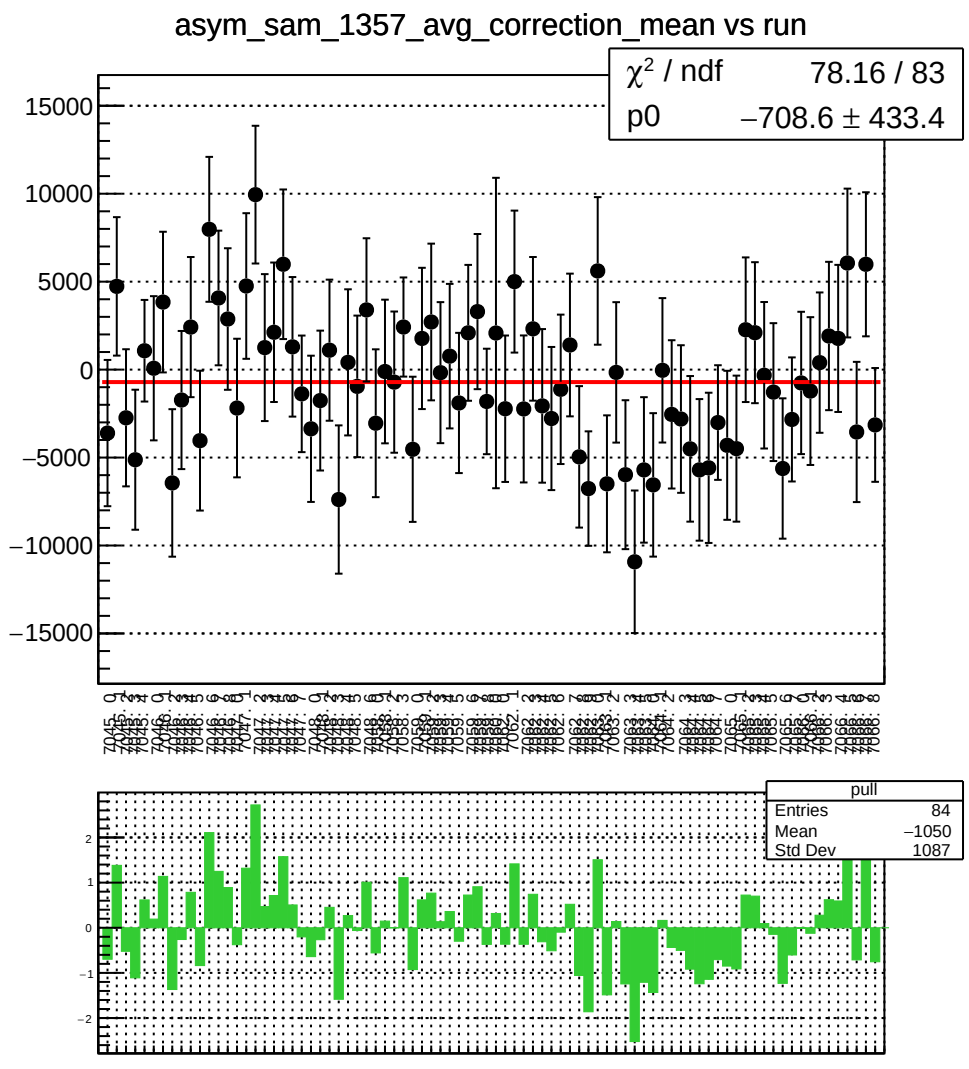

pull1D
Entries 84
Mean 0.02362
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

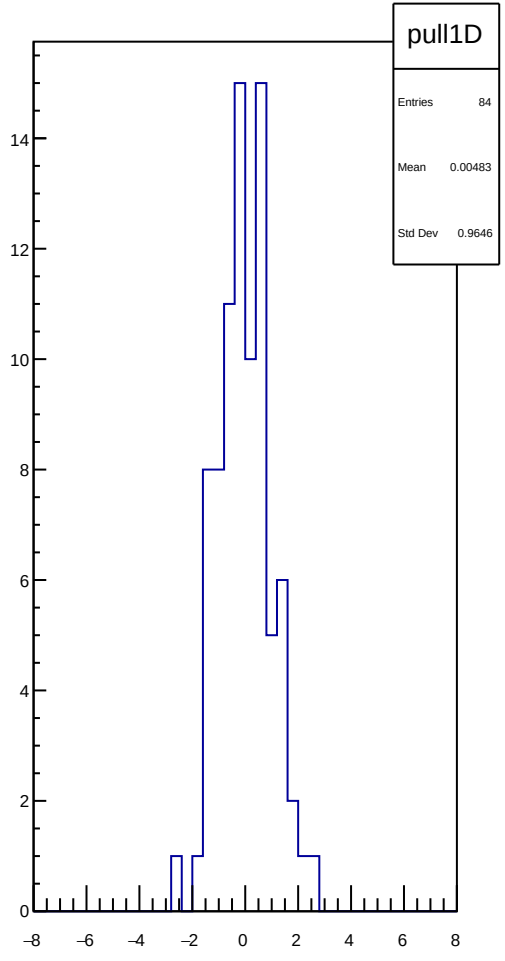

asym_sam_37_26_dd_rms vs run
χ² / ndf 2.618e+04 / 83
p0 168.6 ± 0.1346
240
220
200
180
160
140

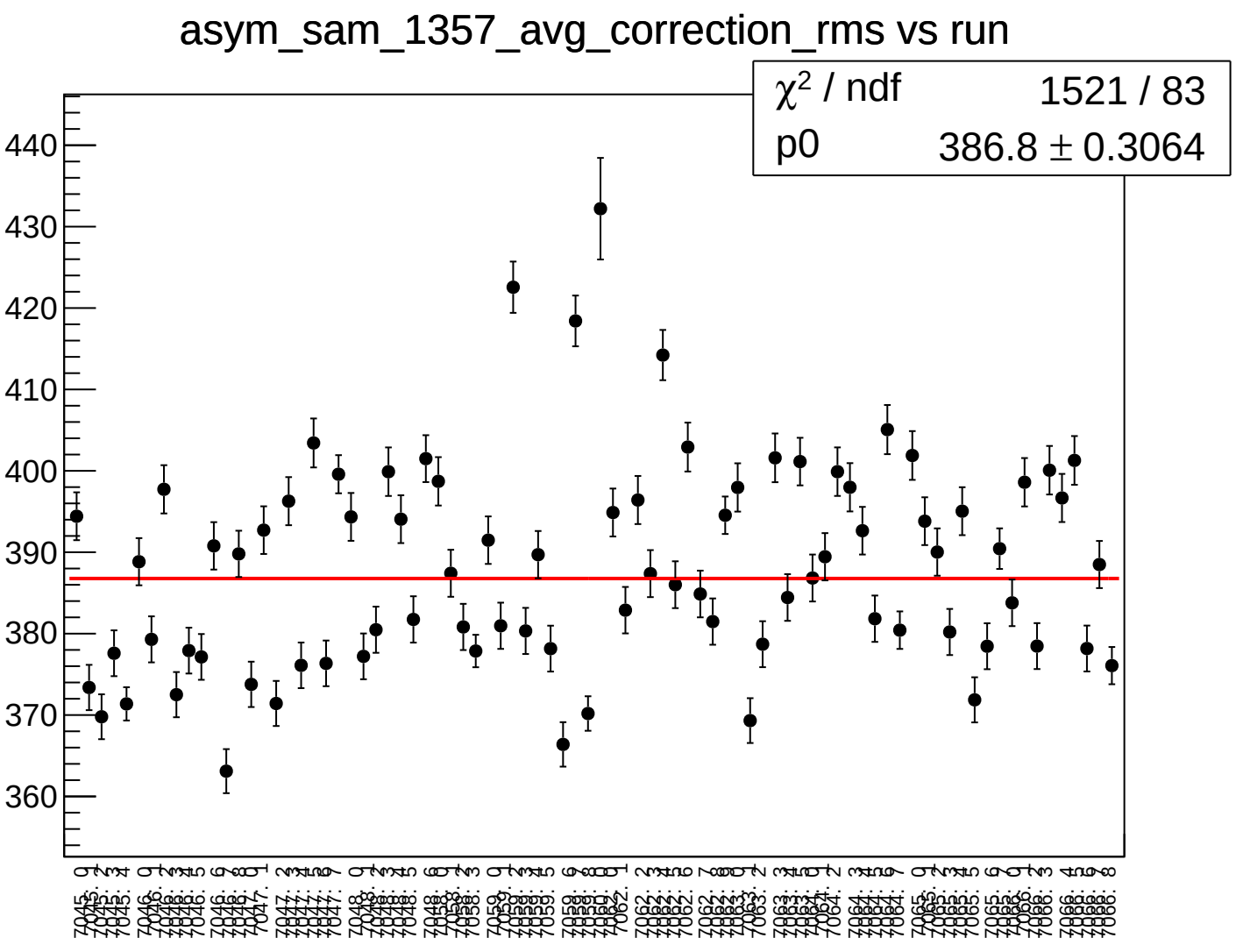

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 89.31 / 83
p0 40.79 ± 59.34
pull
Entries 84
Mean 269
Std Dev 183.3

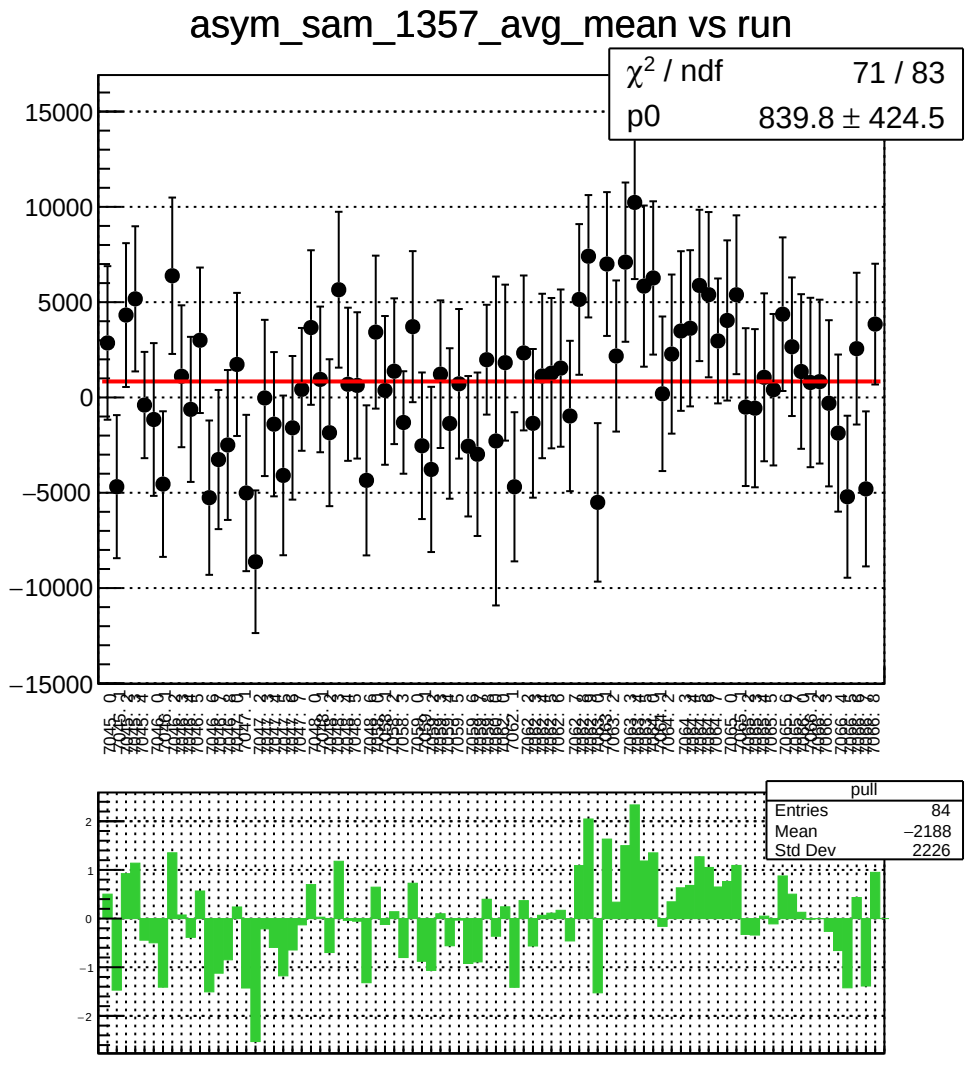

pull1D
Entries 84
Mean 0.002968
Std Dev 1.031

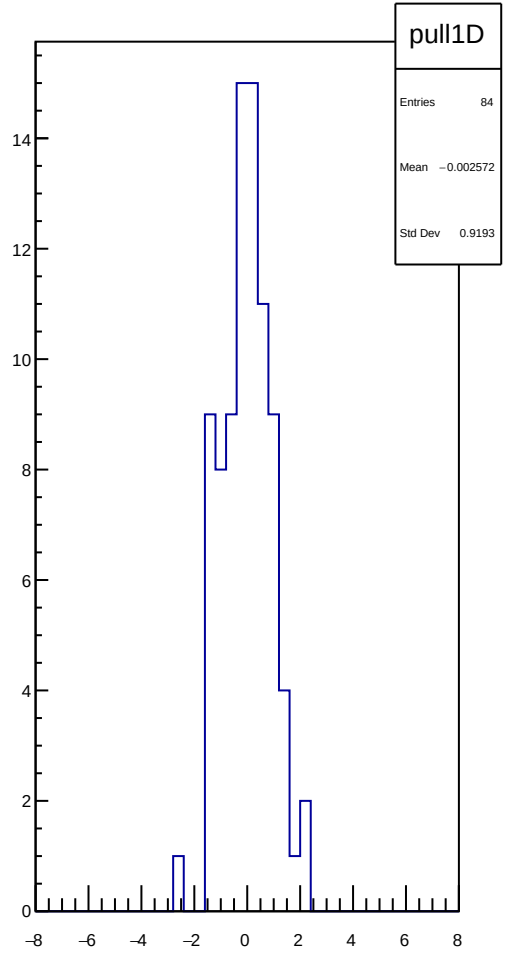

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.632e+04 / 83
p0 52.55 ± 0.04196
100
90
80
70
60
50

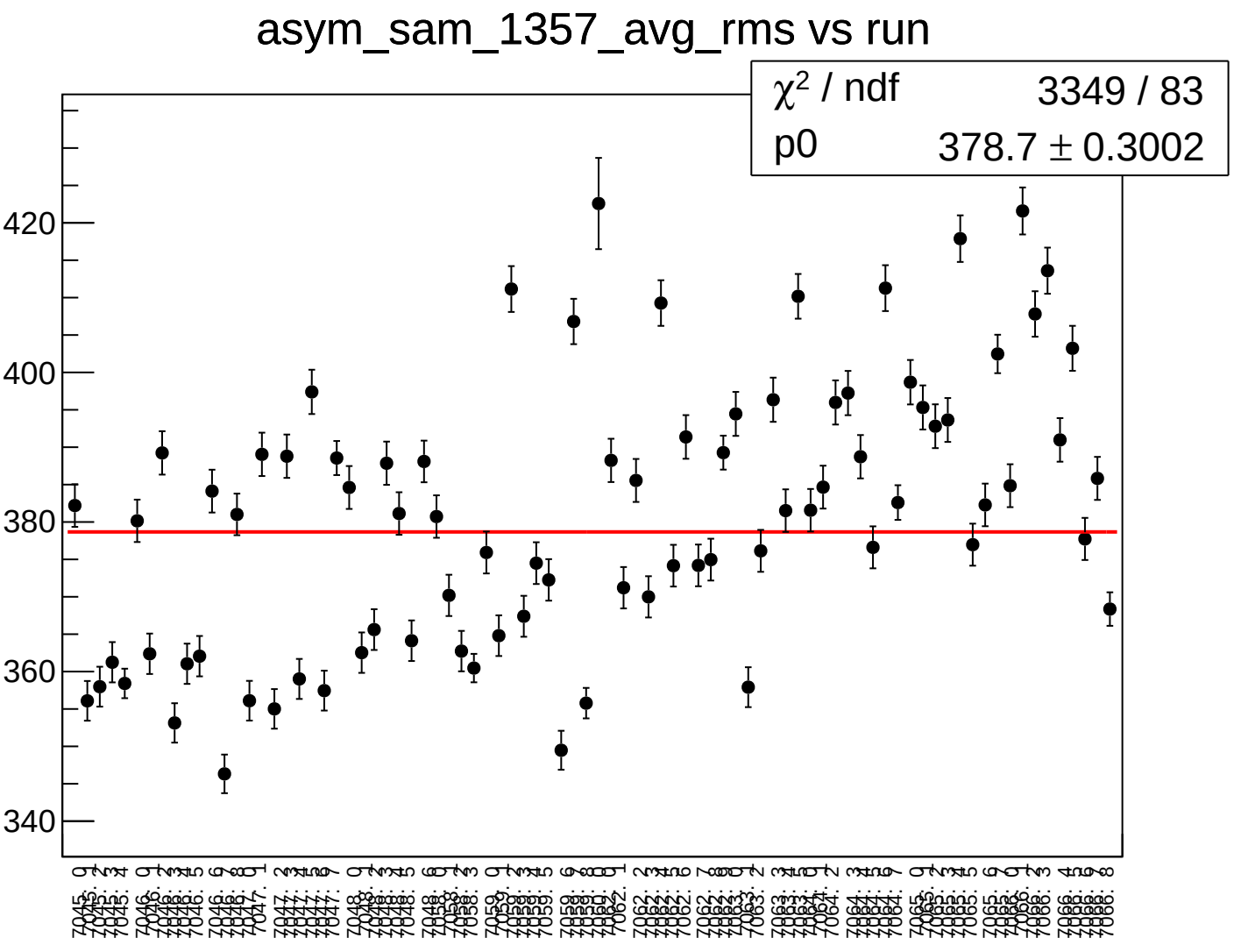

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 78.16 / 83
p0 −708.6 ± 433.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −1050
Std Dev 1087
2
1
0
−1
−2

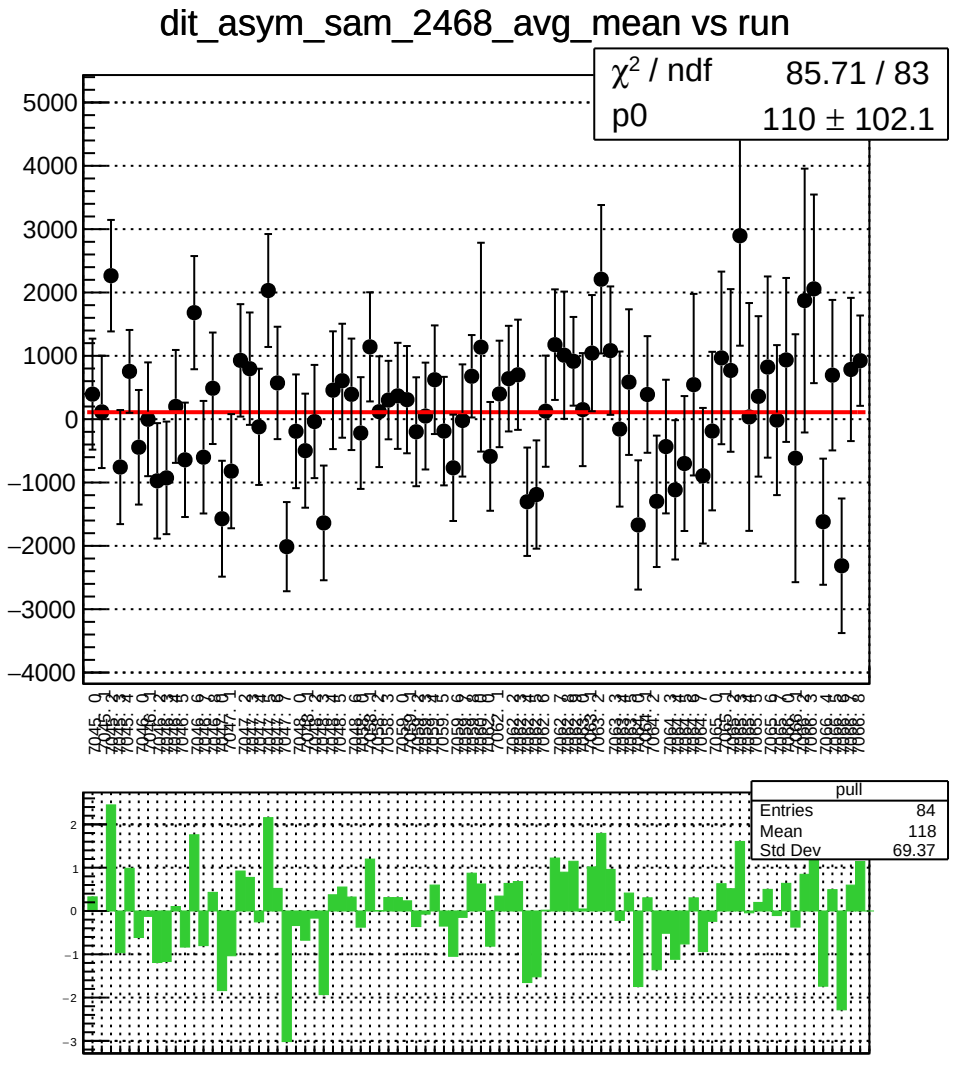

pull1D
Entries 84
Mean 0.00483
Std Dev 0.9646
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

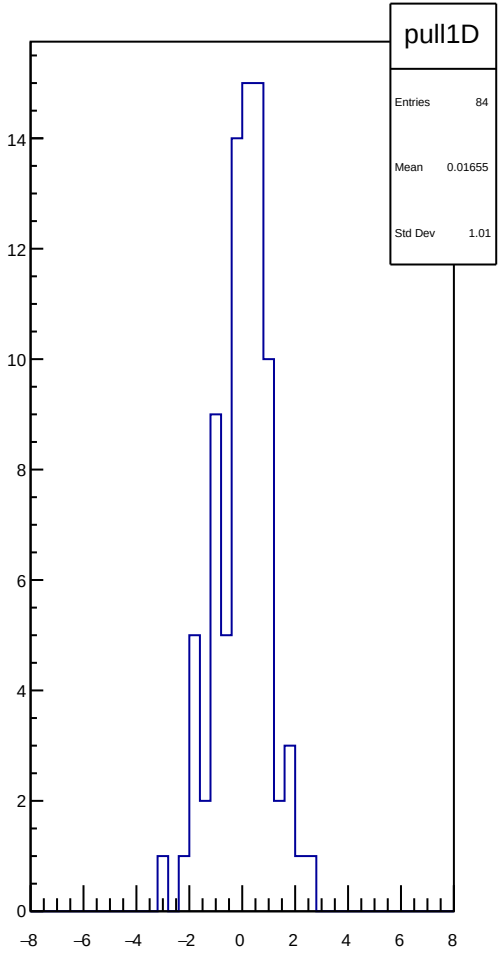

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1521 / 83
p0 386.8 ± 0.3064
440
430
420
410
400
390
380
370
360

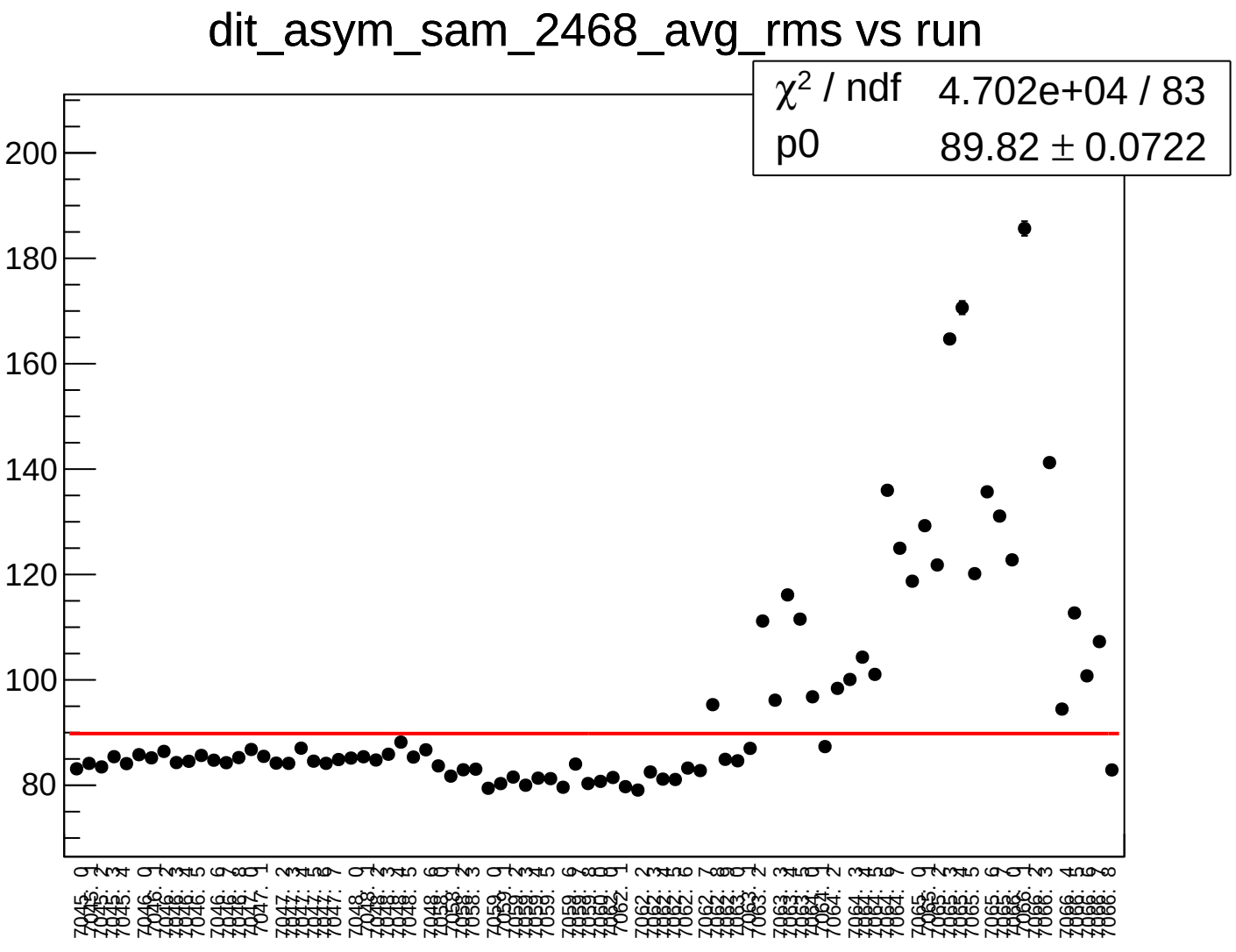

asym_sam_1357_avg_mean vs run
χ² / ndf 71 / 83
p0 839.8 ± 424.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −2188
Std Dev 2226
2
1
0
−1
−2

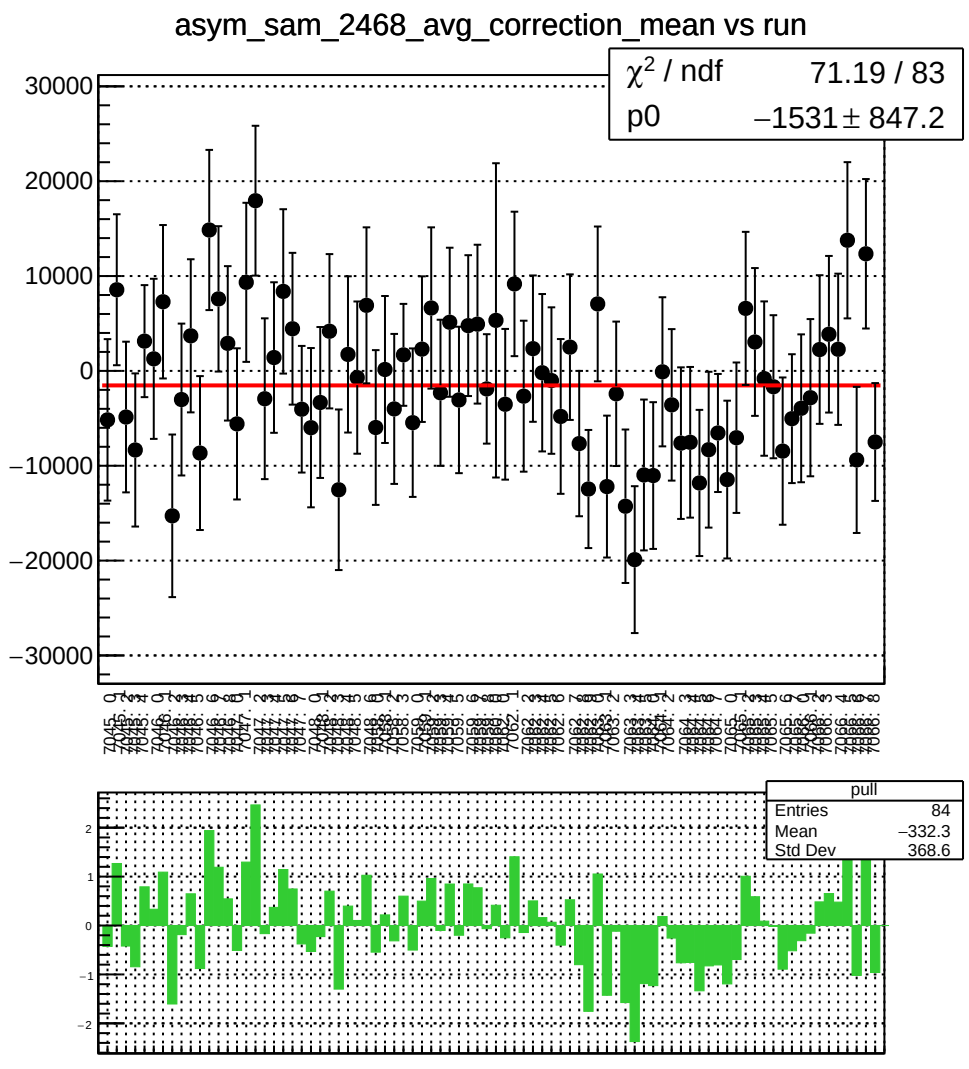

pull1D
Entries 84
Mean −0.002572
Std Dev 0.9193
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

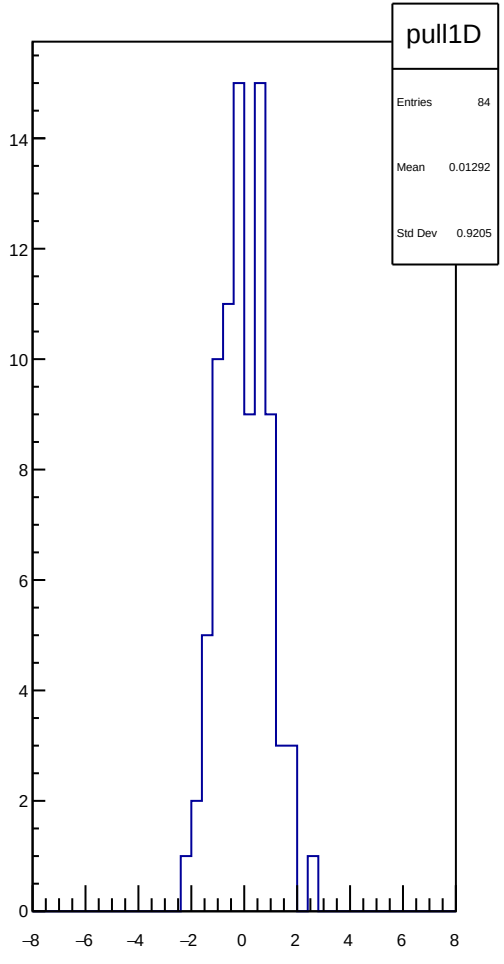

asym_sam_1357_avg_rms vs run
χ² / ndf 3349 / 83
p0 378.7 ± 0.3002
420
400
380
360
340

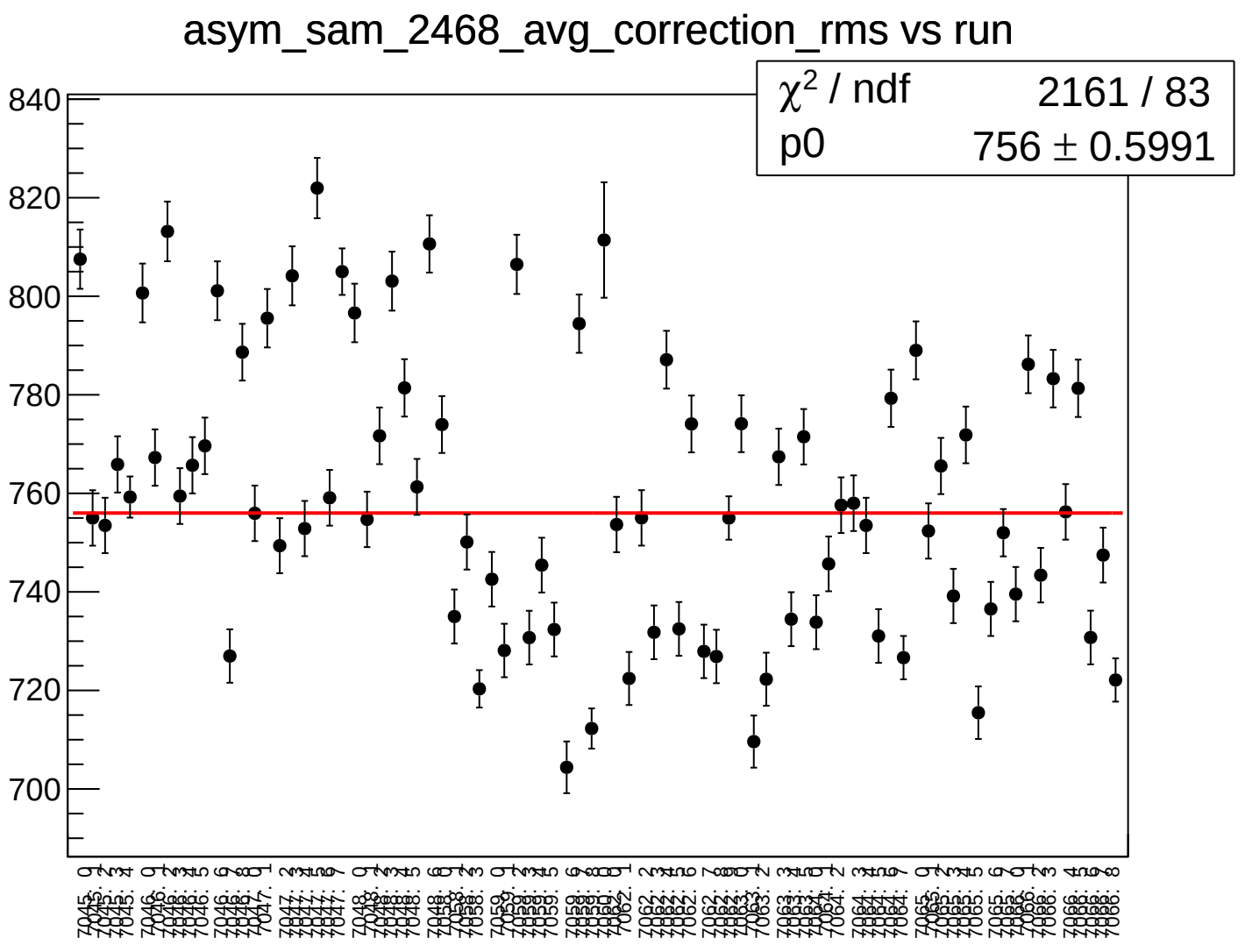

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 85.71 / 83
p0 110 ± 102.1
pull
Entries 84
Mean 118
Std Dev 69.37

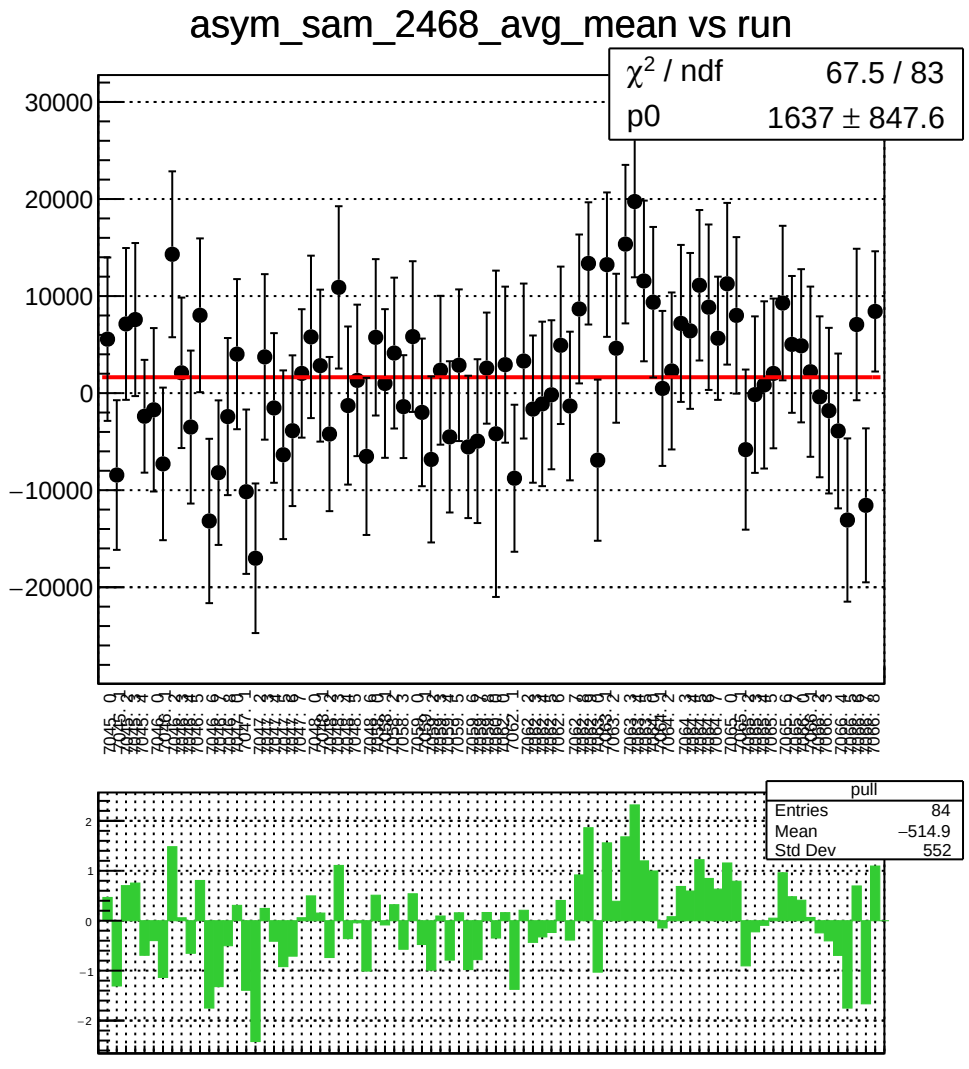

pull1D
Entries 84
Mean 0.01655
Std Dev 1.01

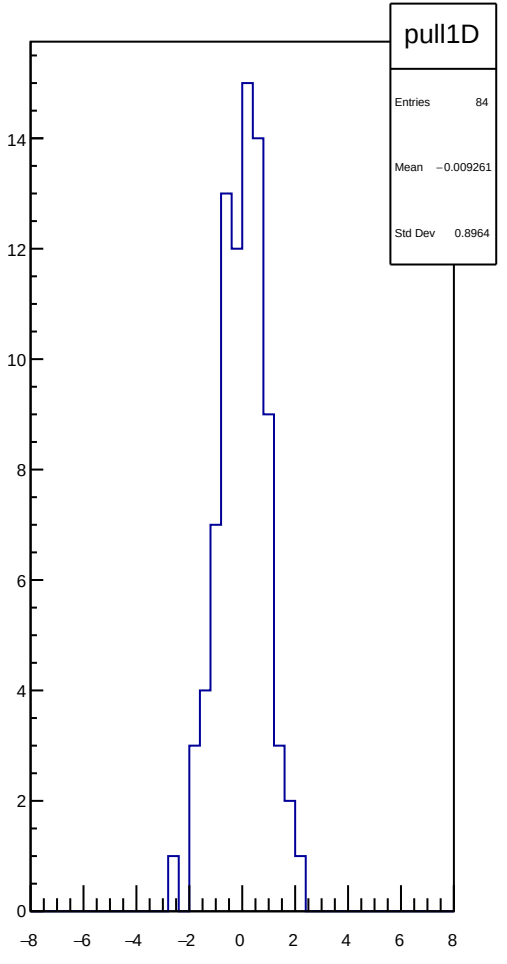

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4.702e+04 / 83
p0 89.82 ± 0.0722
200
180
160
140
120
100
80

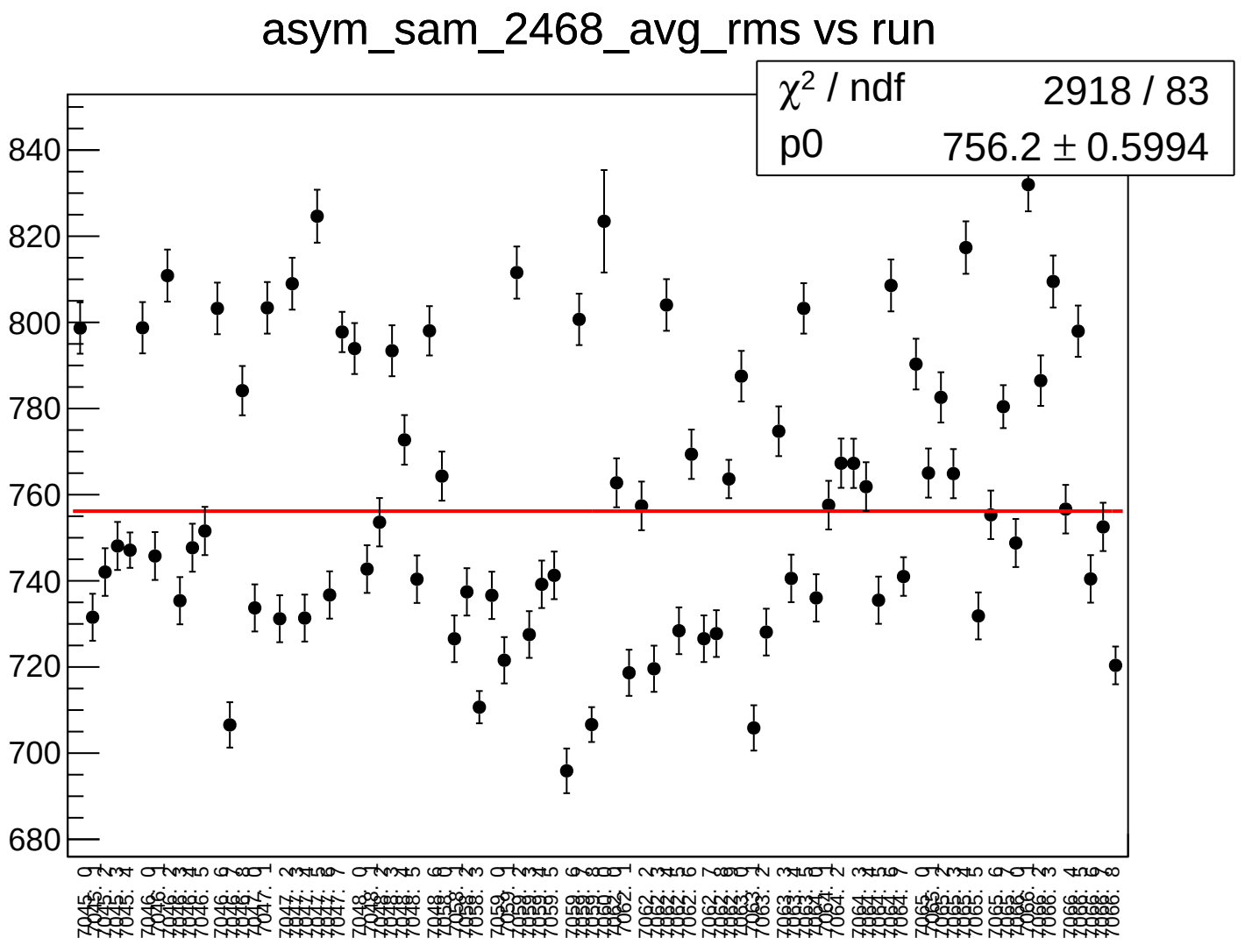

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 71.19 / 83
p0 −1531 ± 847.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −332.3
Std Dev 368.6
2
1
0
−1
−2

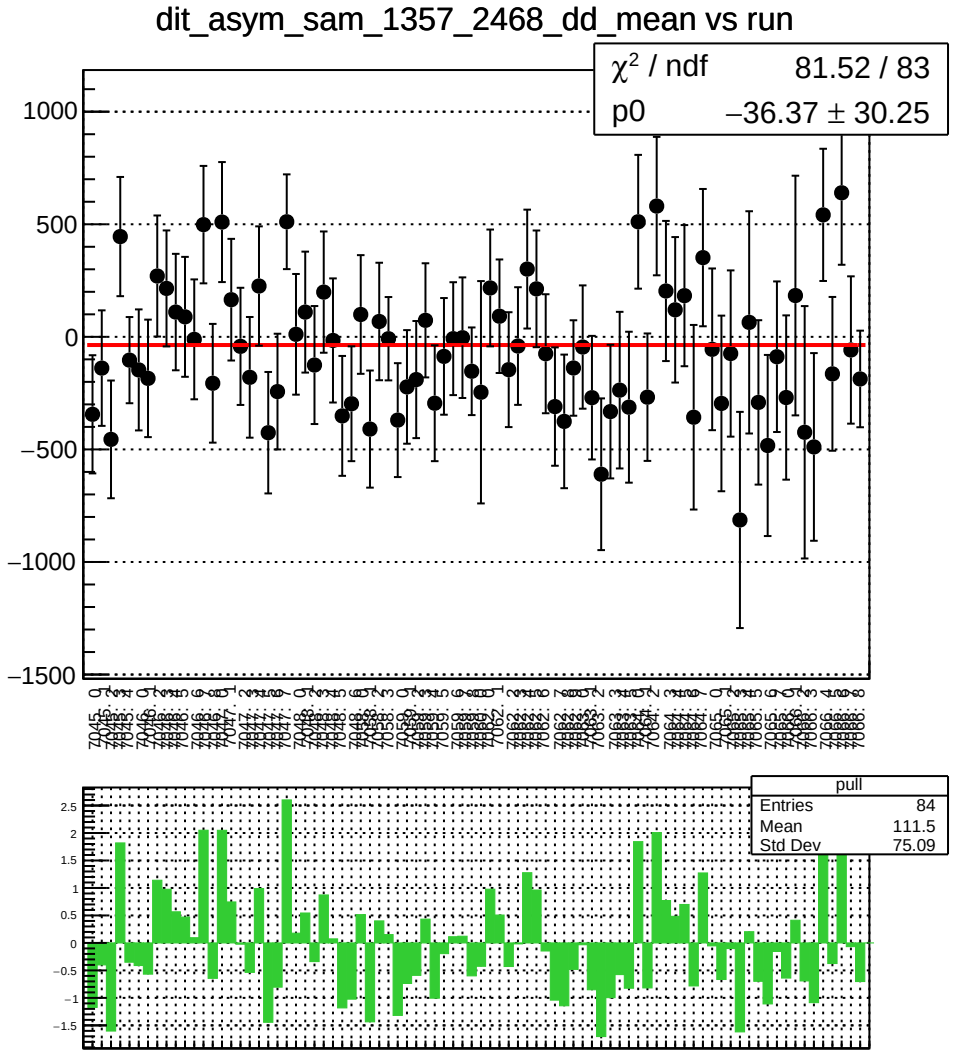

pull1D
Entries 84
Mean 0.01292
Std Dev 0.9205
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

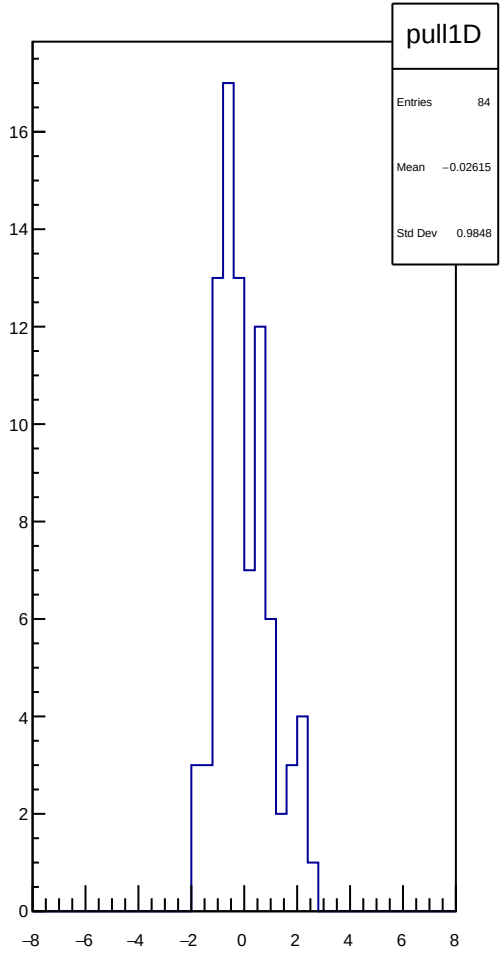

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2161 / 83
p0 756 ± 0.5991
840
820
800
780
760
740
720
700

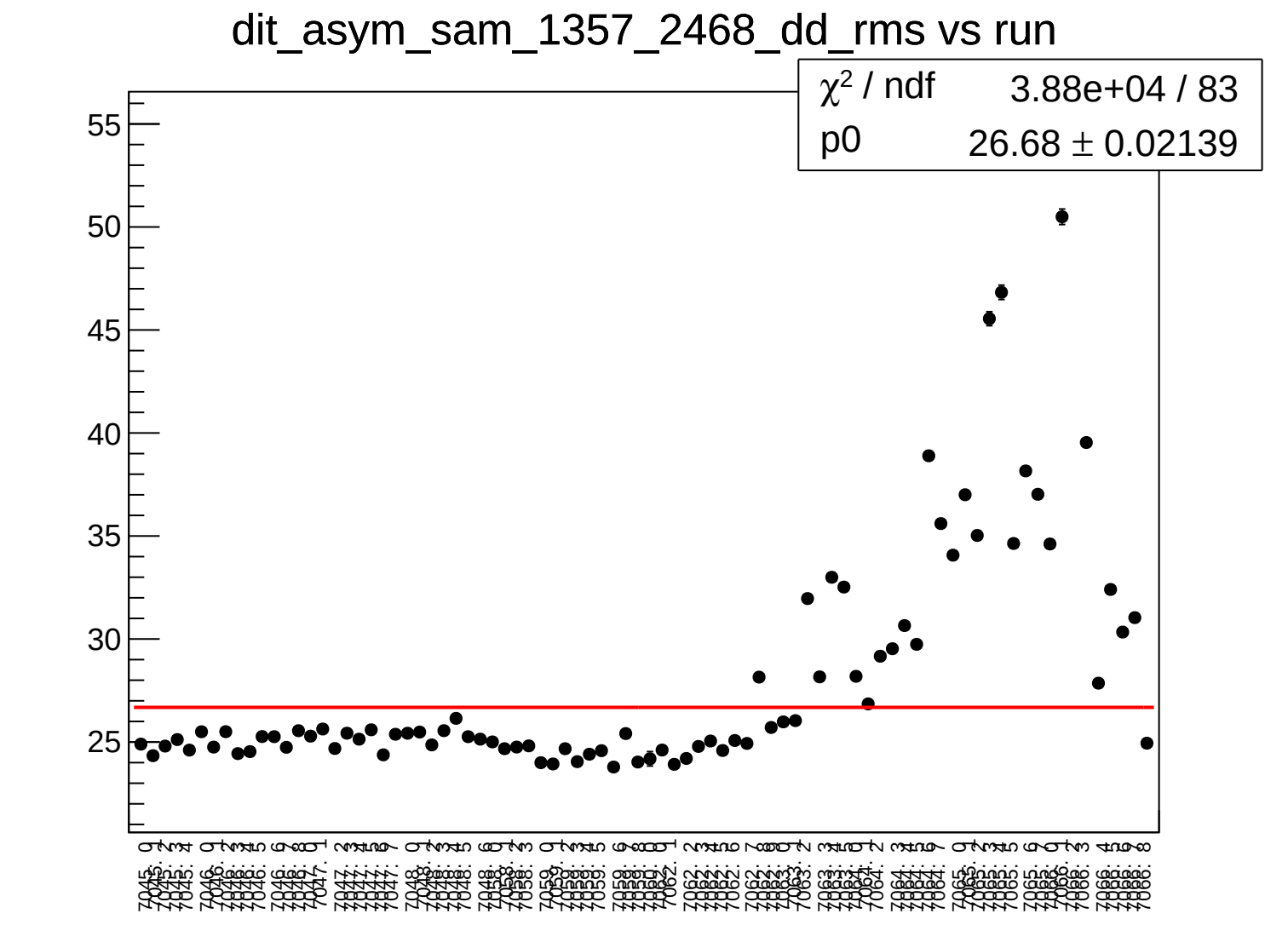

asym_sam_2468_avg_mean vs run
χ² / ndf 67.5 / 83
p0 1637 ± 847.6
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −514.9
Std Dev 552
2
1
0
−1
−2

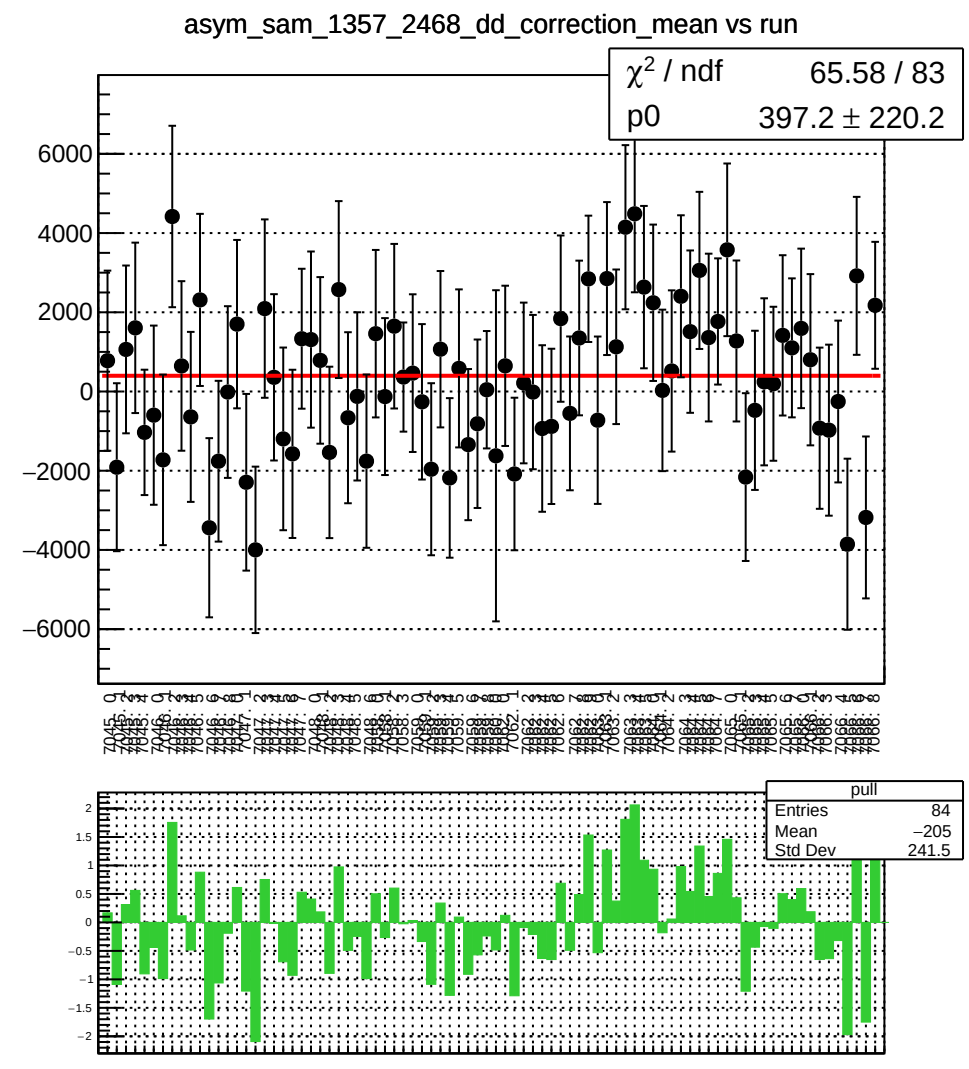

pull1D
Entries 84
Mean −0.009261
Std Dev 0.8964
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

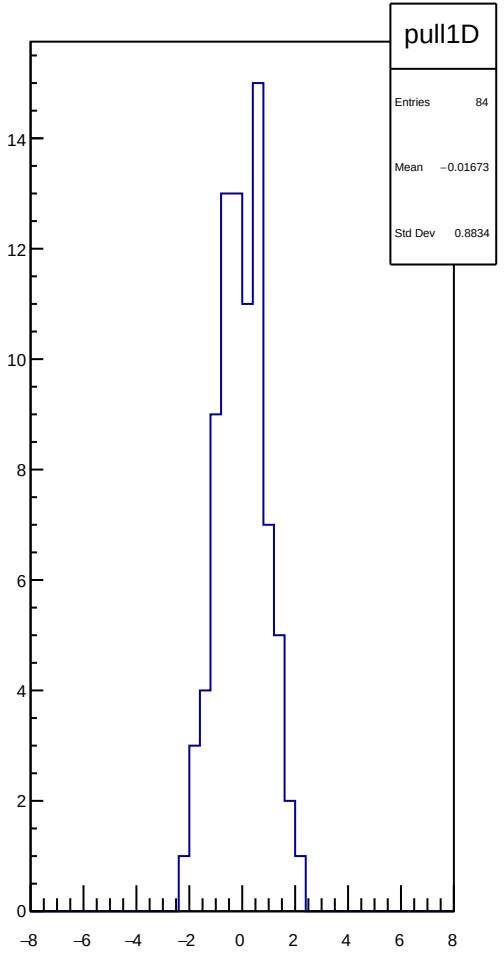

asym_sam_2468_avg_rms vs run
χ² / ndf 2918 / 83
p0 756.2 ± 0.5994
840
820
800
780
760
740
720
700
680

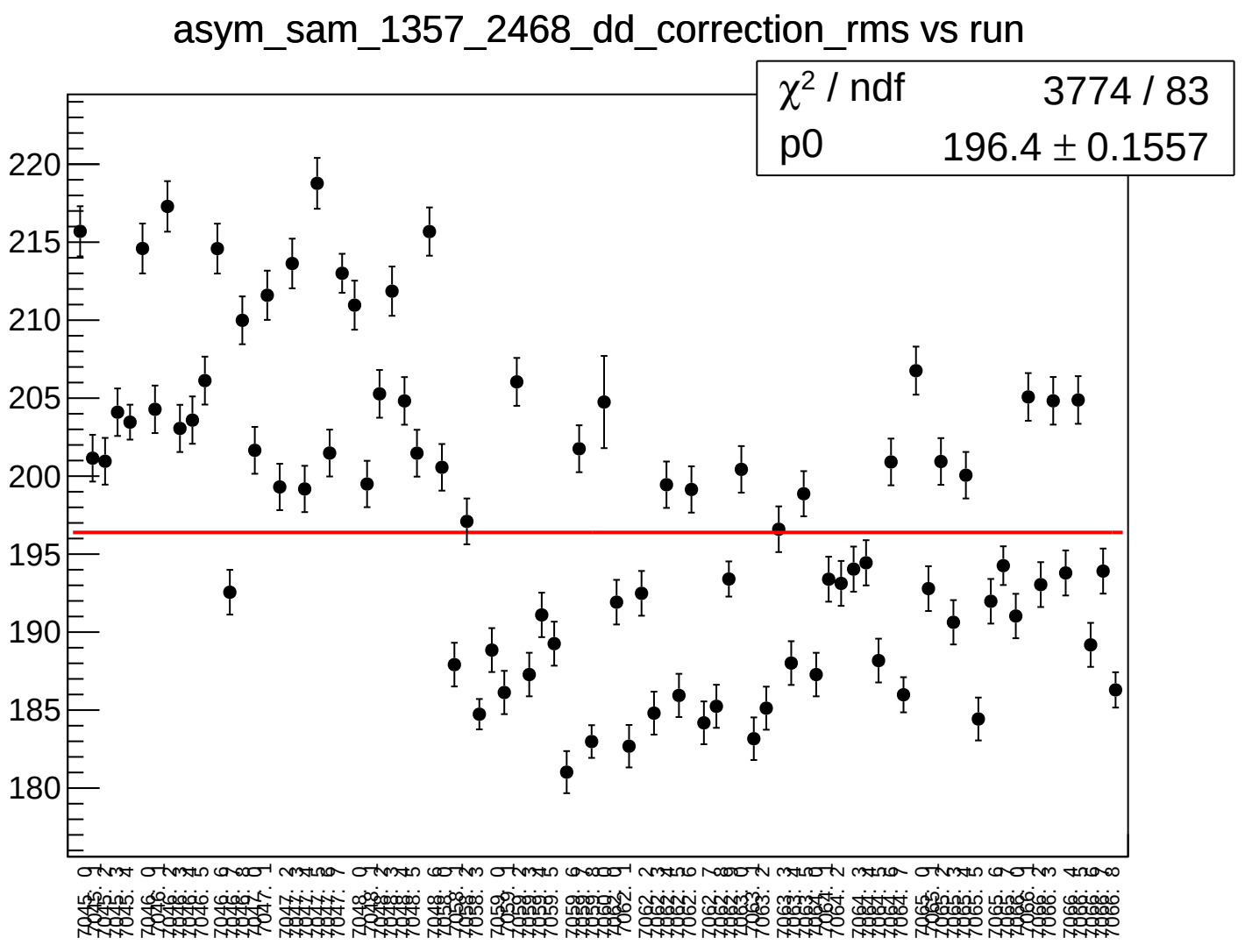

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 81.52 / 83
p0 −36.37 ± 30.25
1000
500
0
−500
−1000
−1500
pull
Entries 84
Mean 111.5
Std Dev 75.09
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

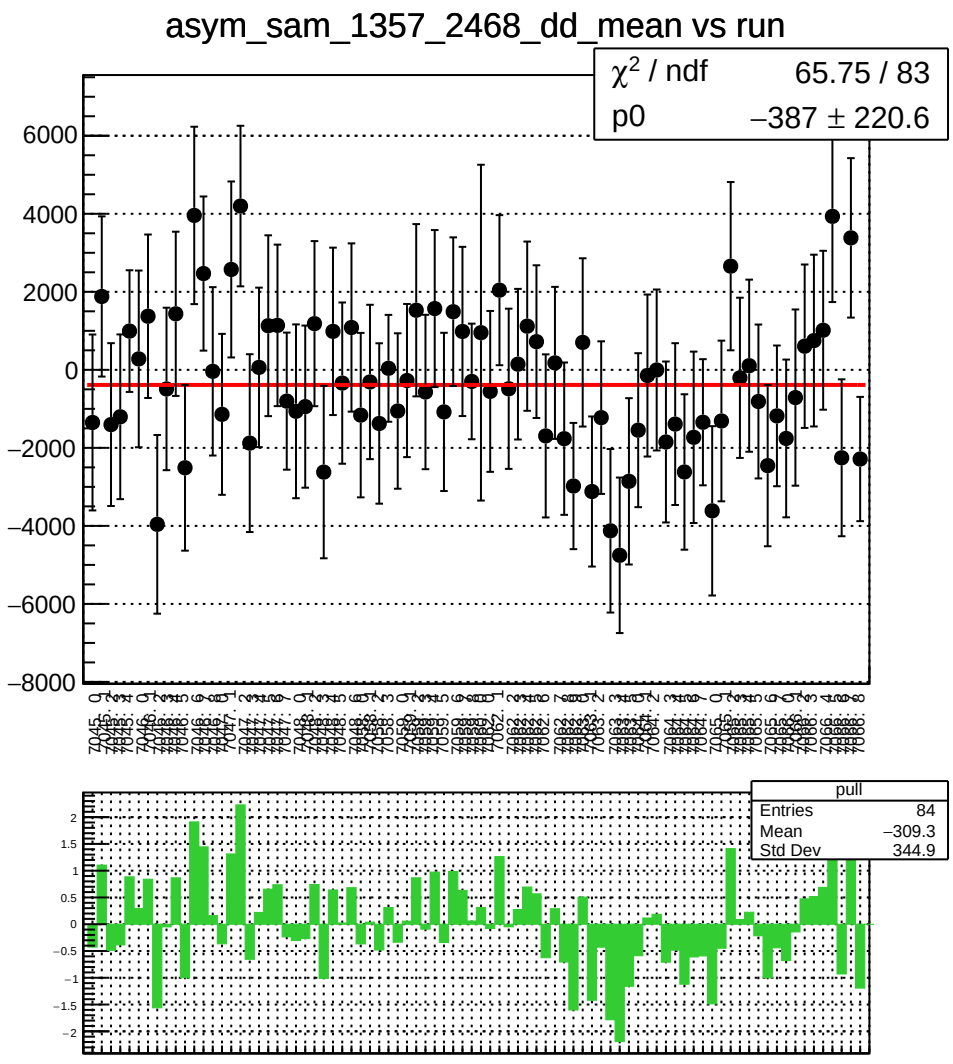

pull1D
Entries 84
Mean −0.02615
Std Dev 0.9848
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

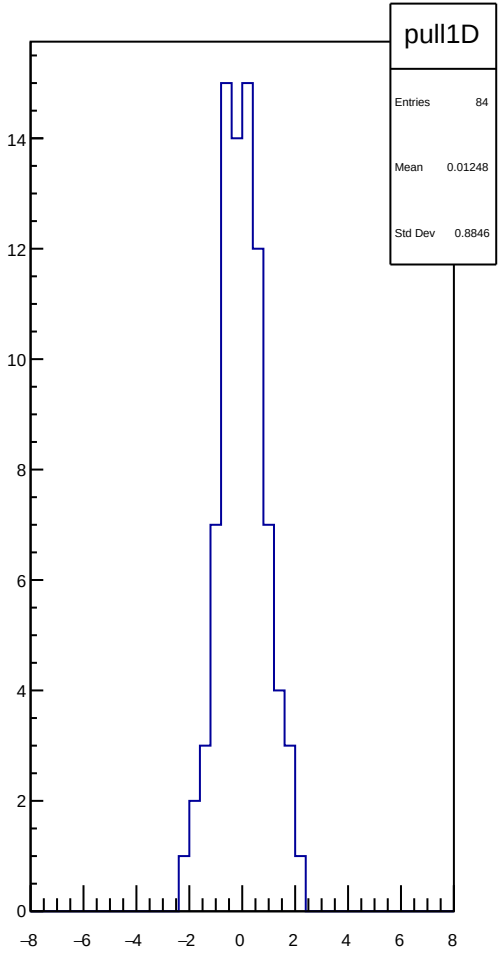

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.88e+04 / 83
p0 26.68 ± 0.02139
55
50
45
40
35
30
25

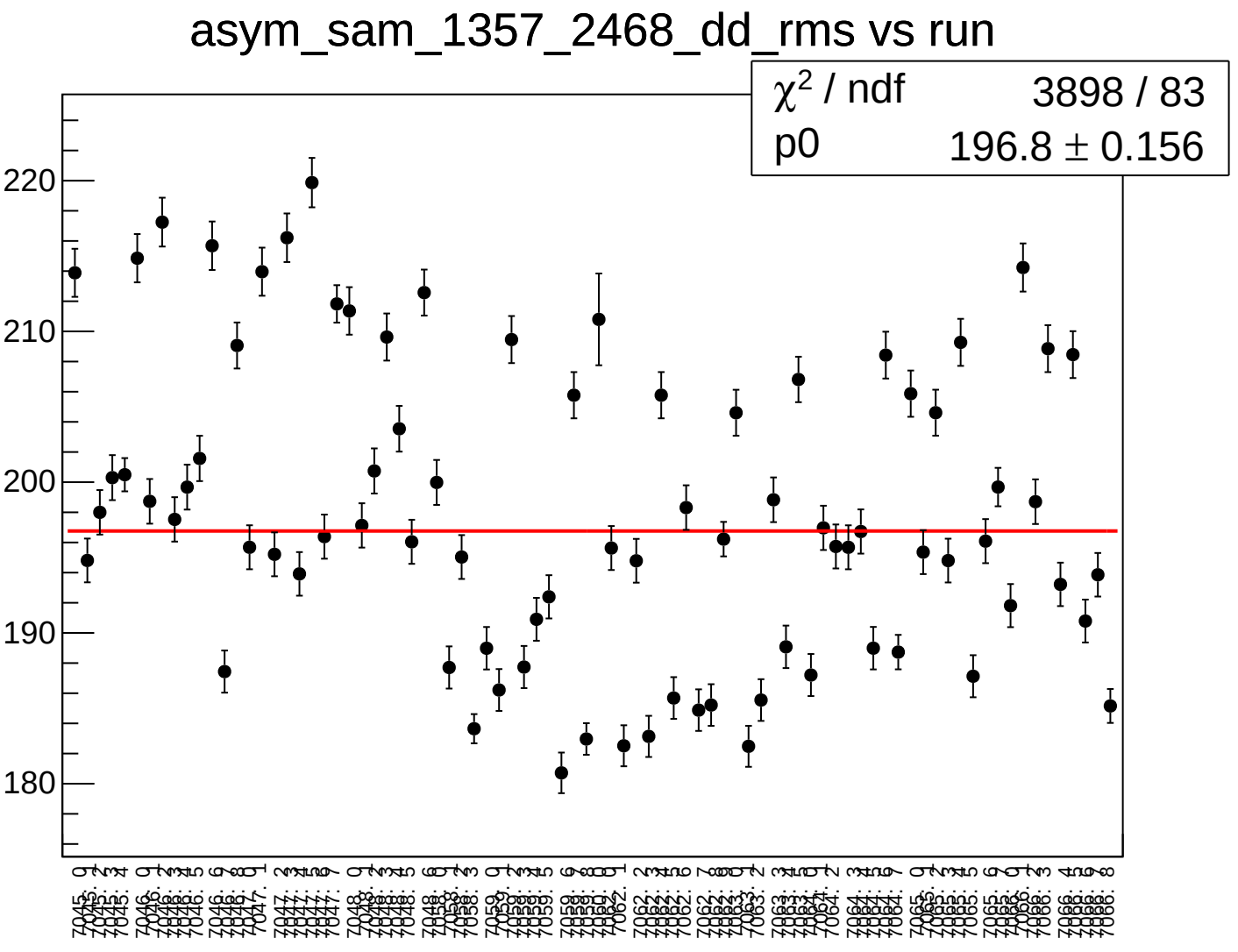

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 65.58 / 83
p0 397.2 ± 220.2
pull
Entries 84
Mean −205
Std Dev 241.5

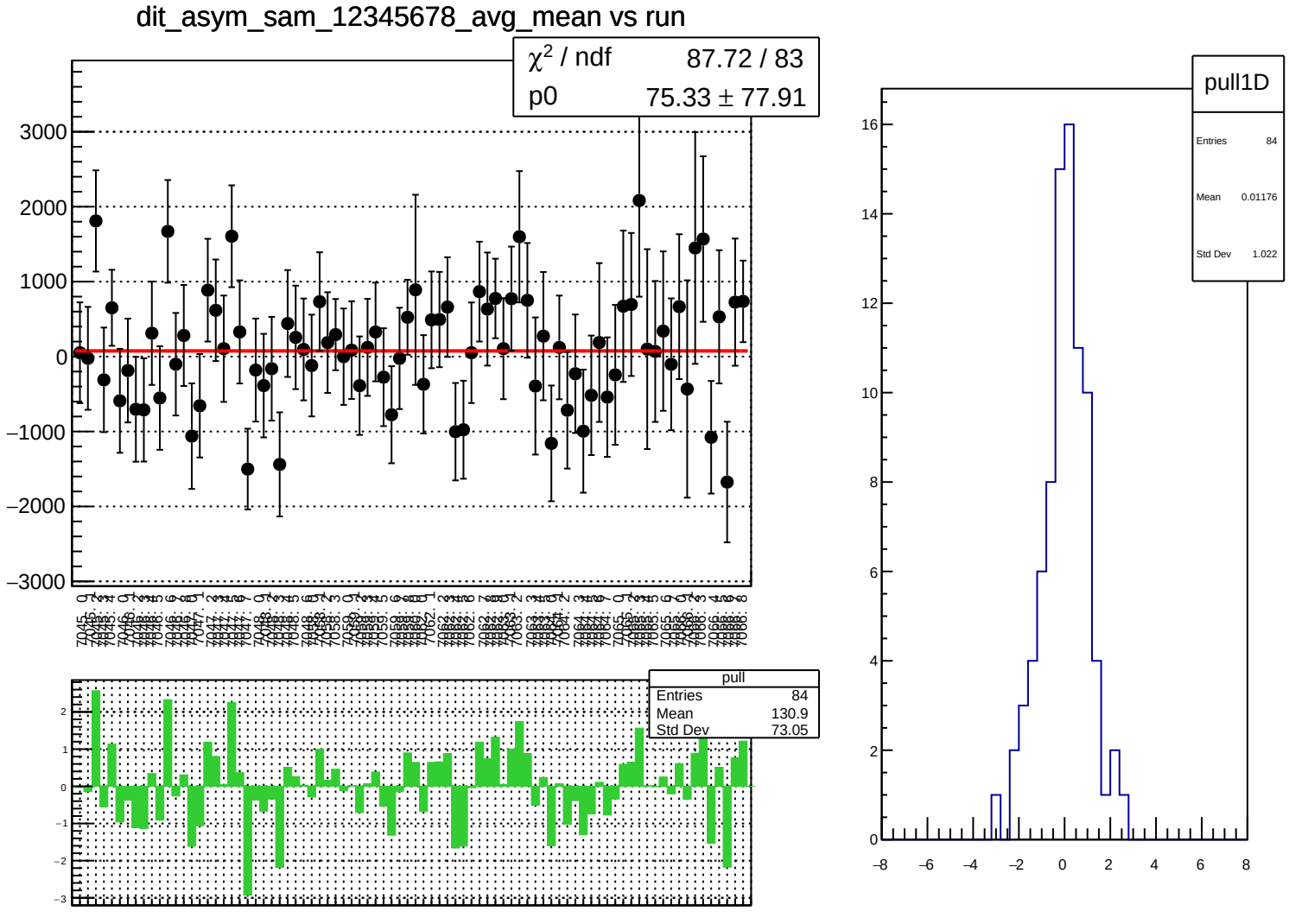

pull1D
Entries 84
Mean −0.01673
Std Dev 0.8834

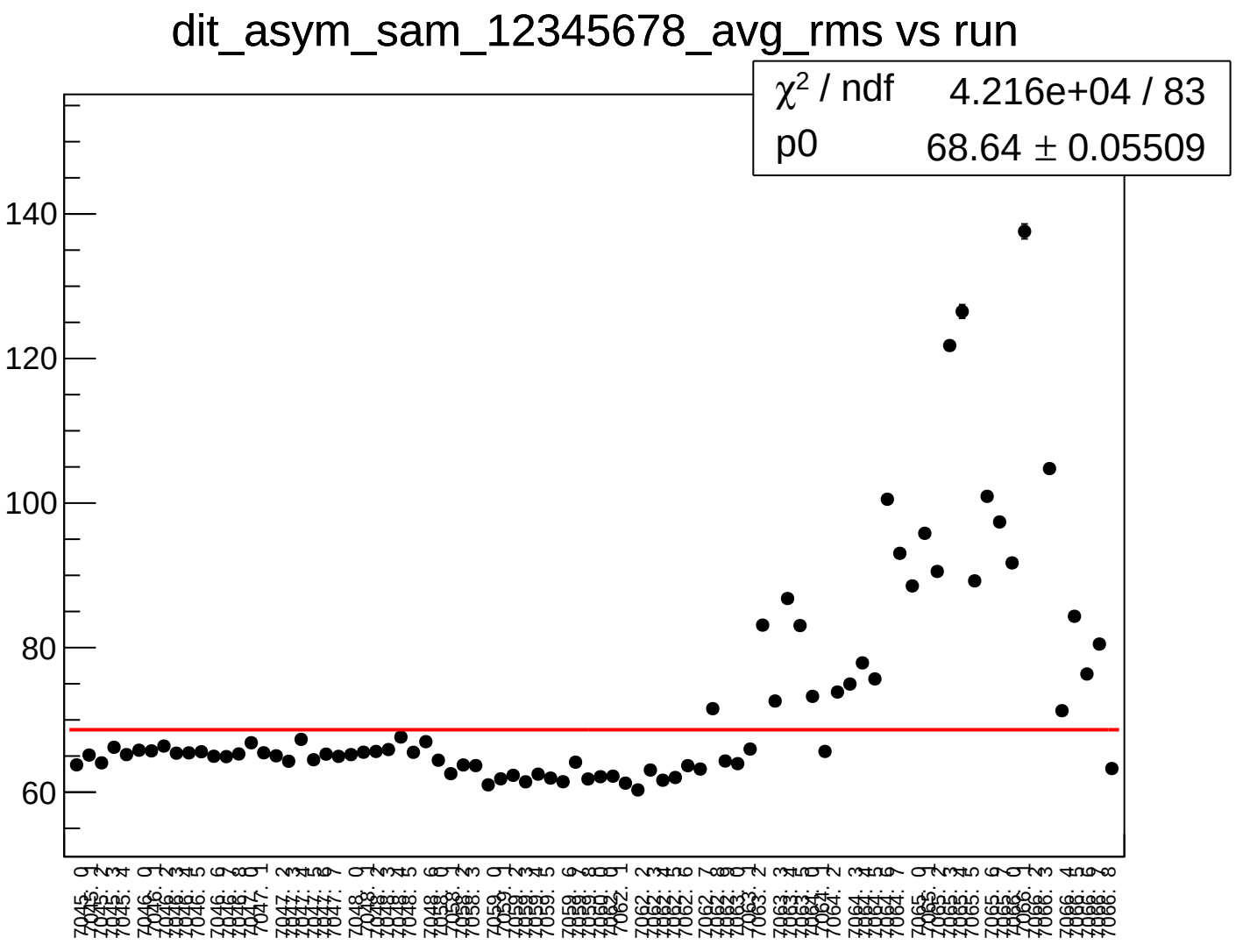

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3774 / 83
p0 196.4 ± 0.1557
220
215
210
205
200
195
190
185
180

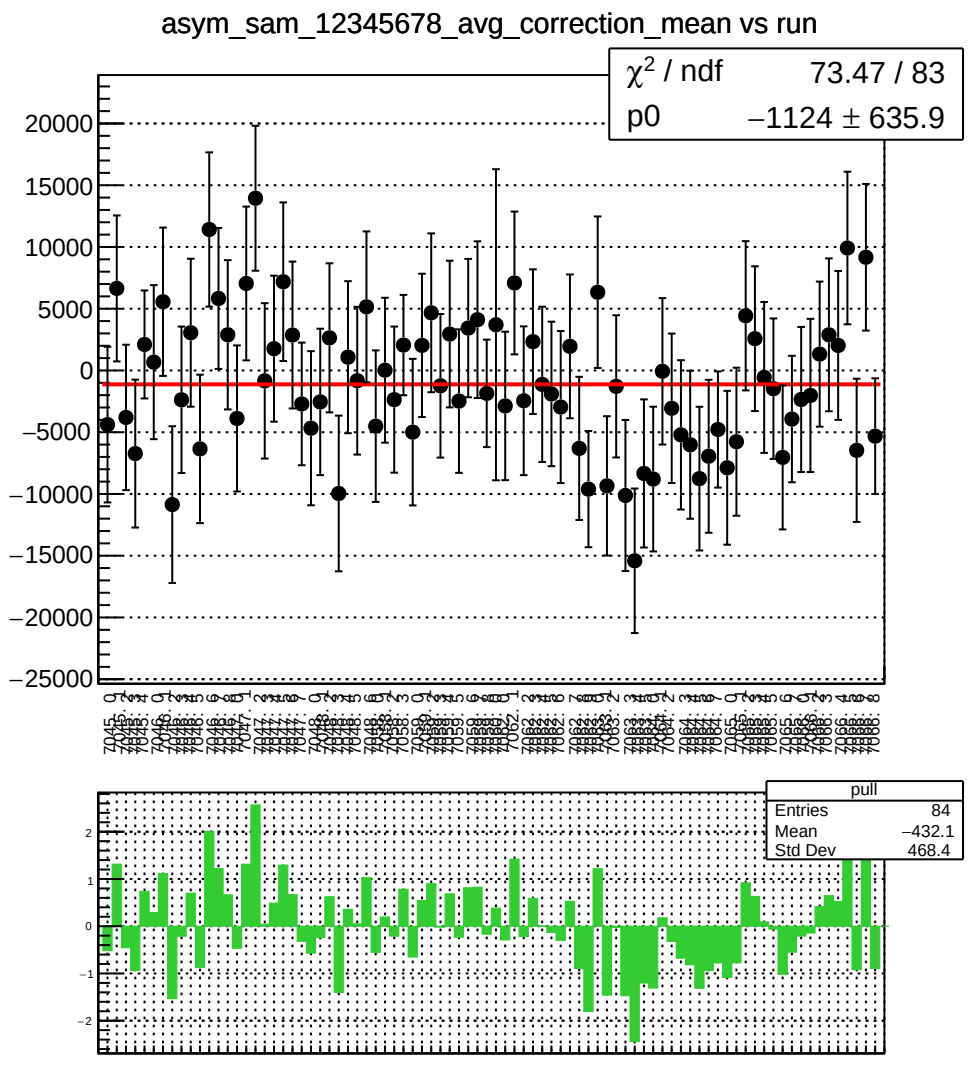

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 65.75 / 83
p0 −387 ± 220.6
pull
Entries 84
Mean −309.3
Std Dev 344.9

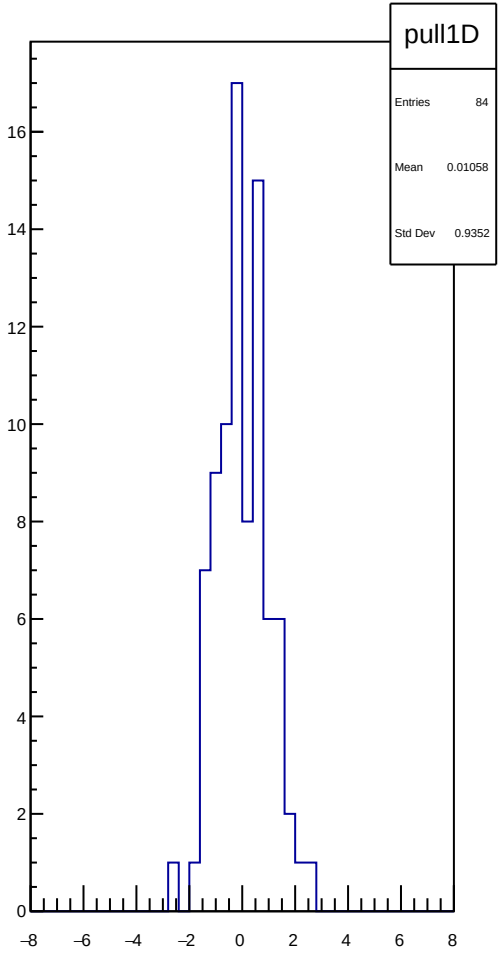

pull1D
Entries 84
Mean 0.01248
Std Dev 0.8846

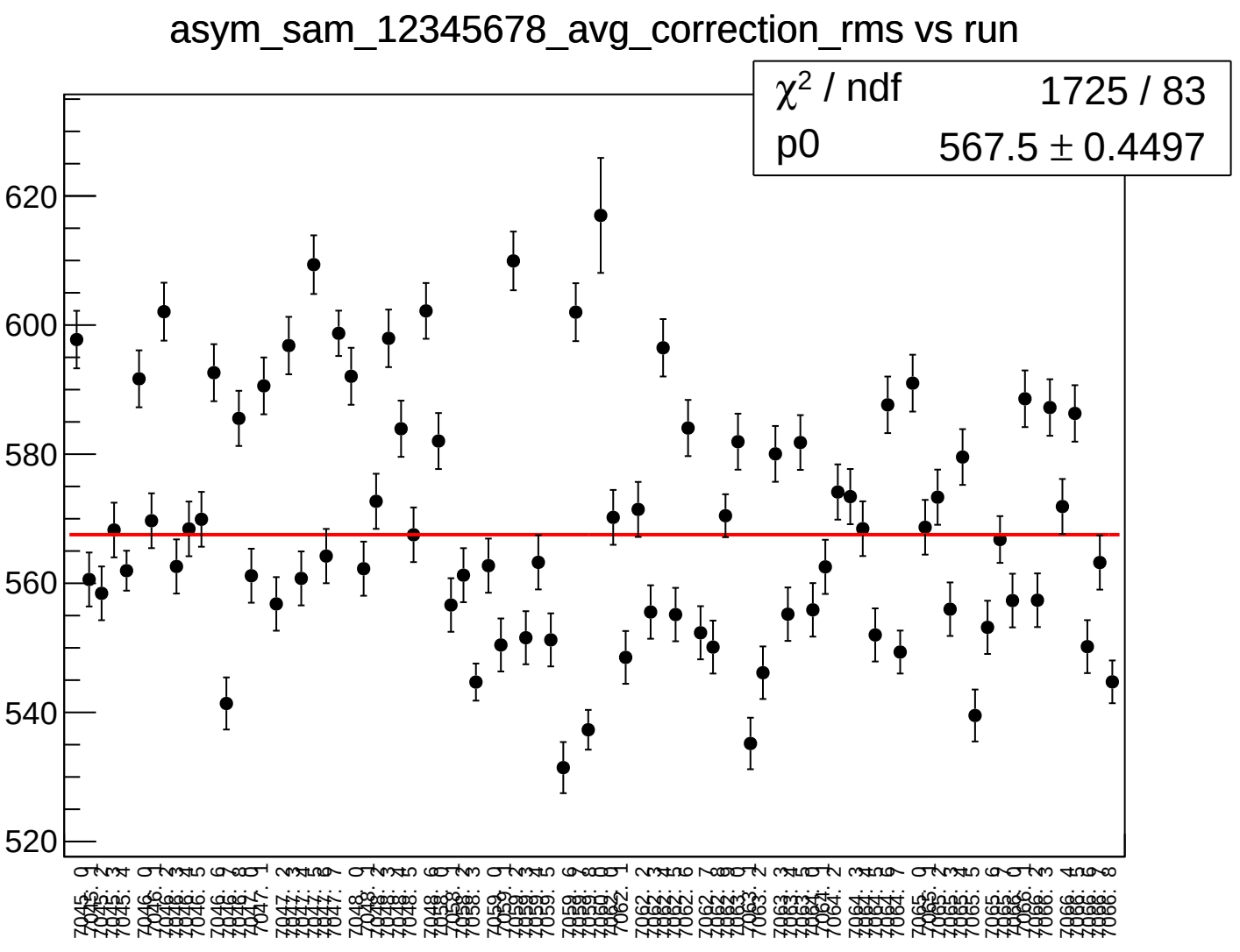

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3898 / 83
p0 196.8 ± 0.156
220
210
200
190
180

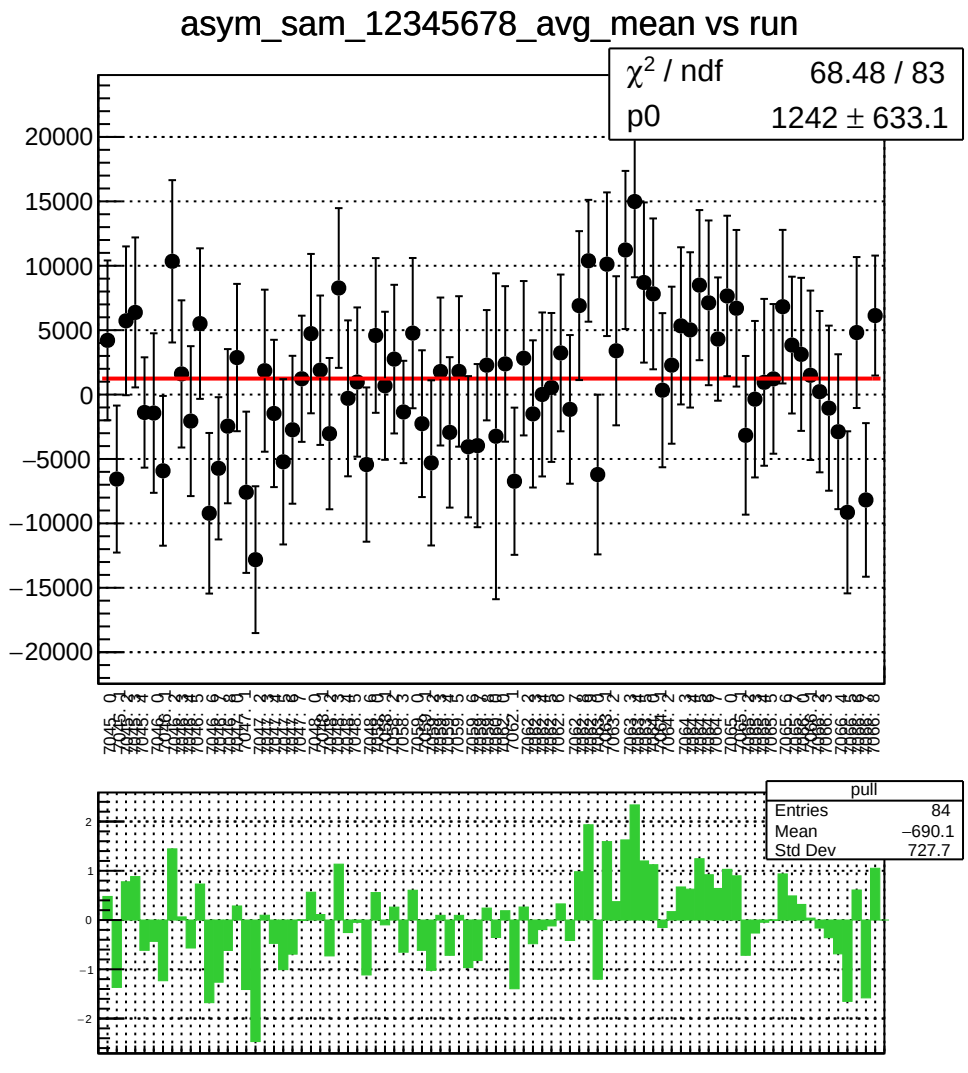

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 87.72 / 83
p0 75.33 ± 77.91
pull
Entries 84
Mean 130.9
Std Dev 73.05
pull1D
Entries 84
Mean 0.01176
Std Dev 1.022

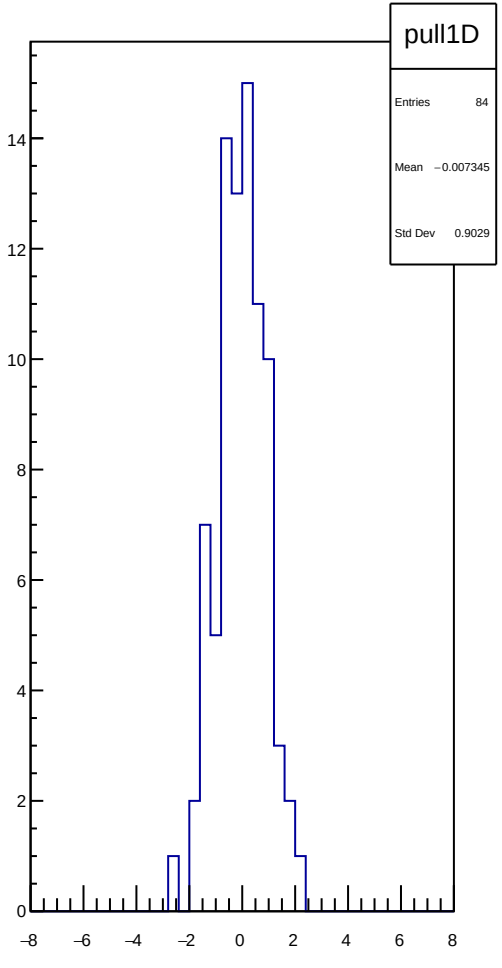

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.216e+04 / 83
p0 68.64 ± 0.05509
140
120
100
80
60

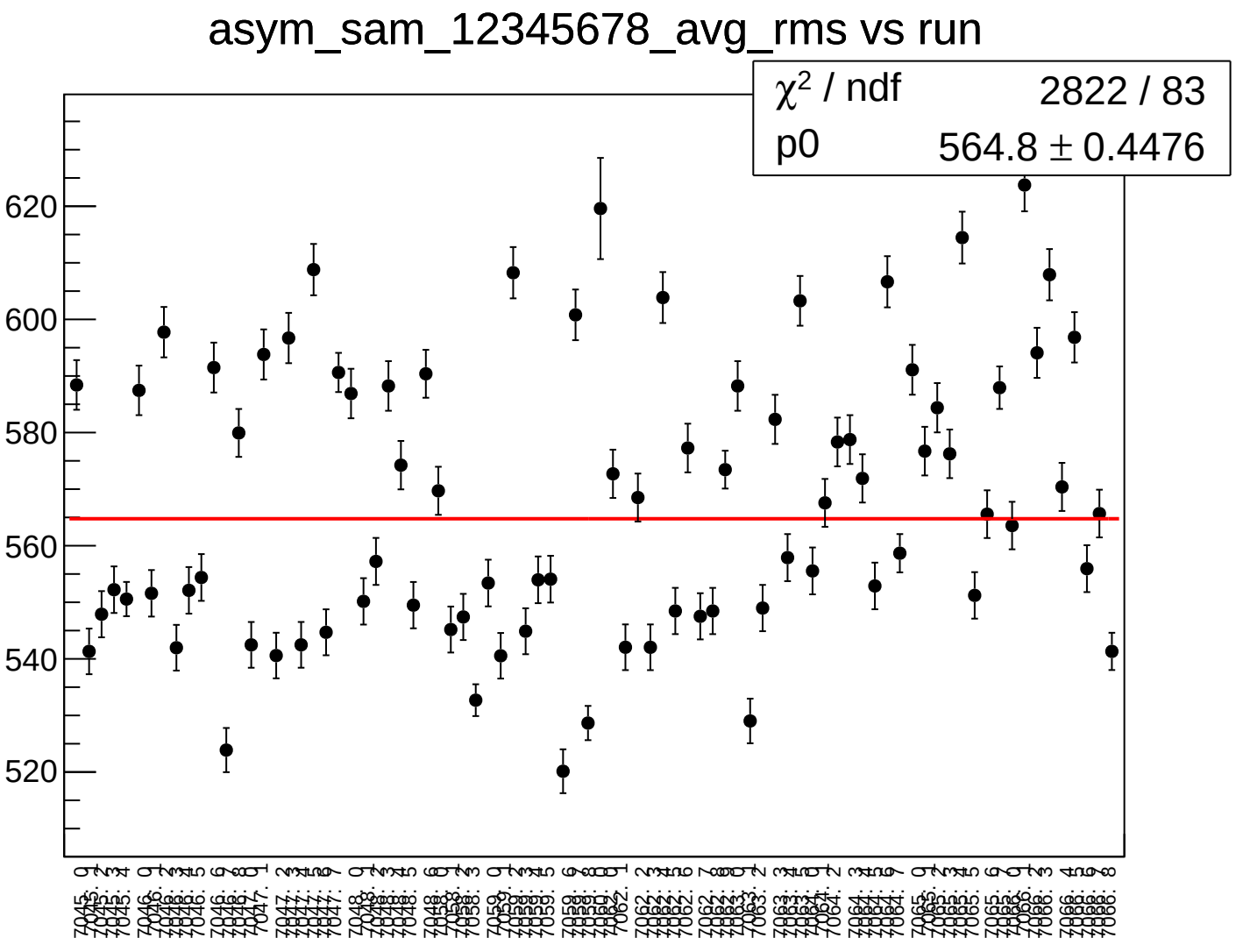

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 73.47 / 83
p0 −1124 ± 635.9
pull
Entries 84
Mean −432.1
Std Dev 468.4

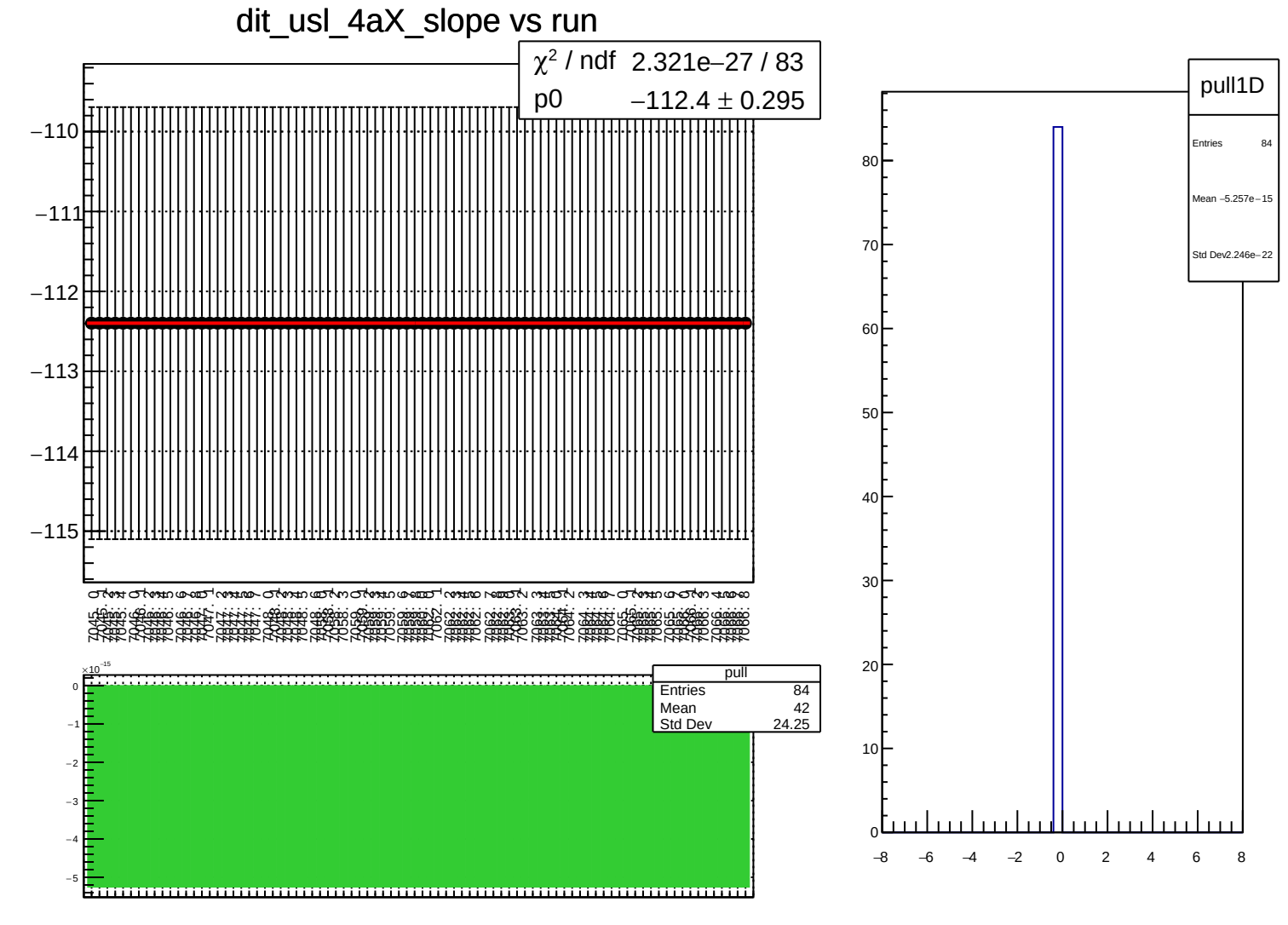

pull1D
Entries 84
Mean 0.01058
Std Dev 0.9352

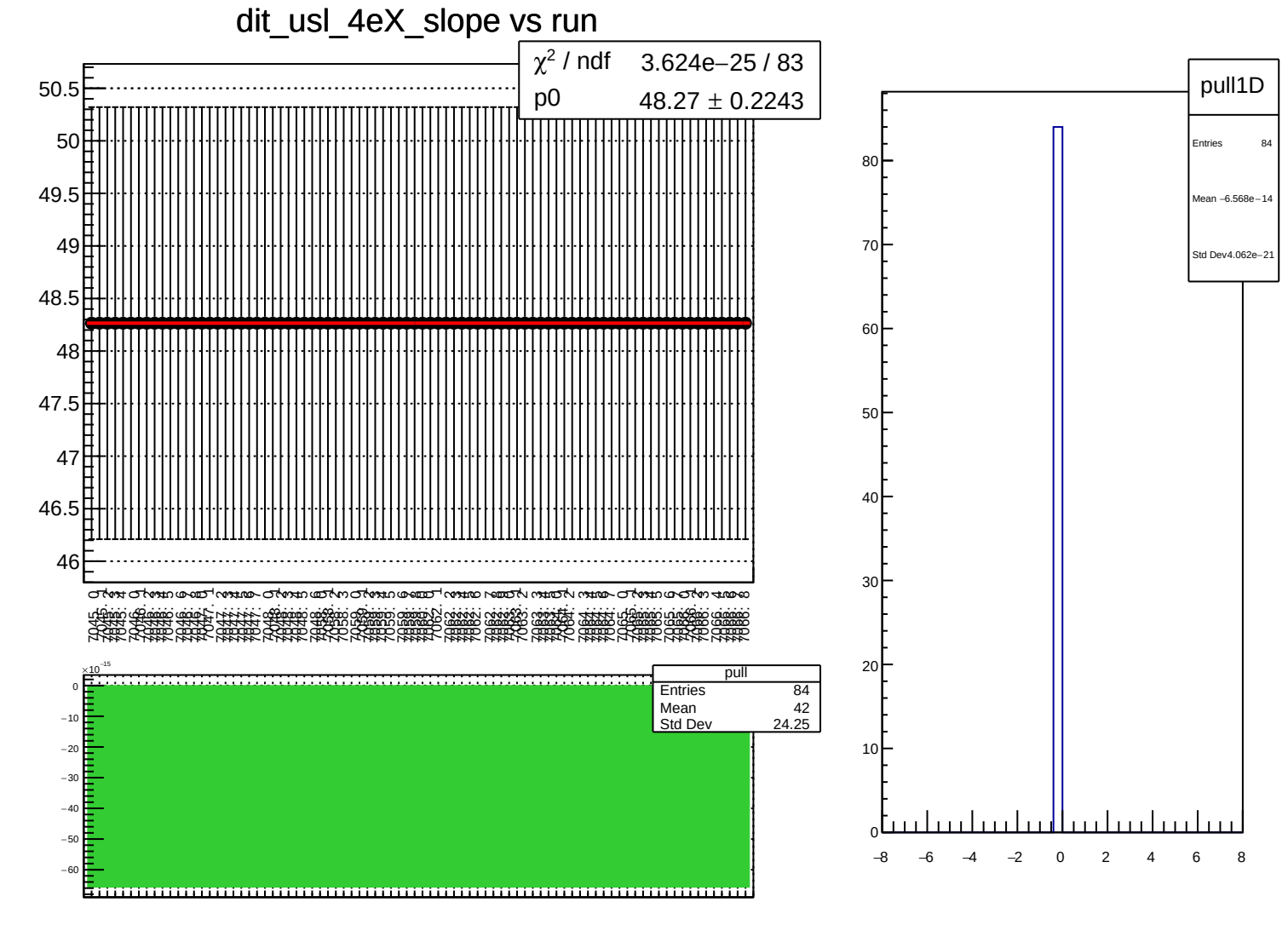

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1725 / 83
p0 567.5 ± 0.4497
620
600
580
560
540
520

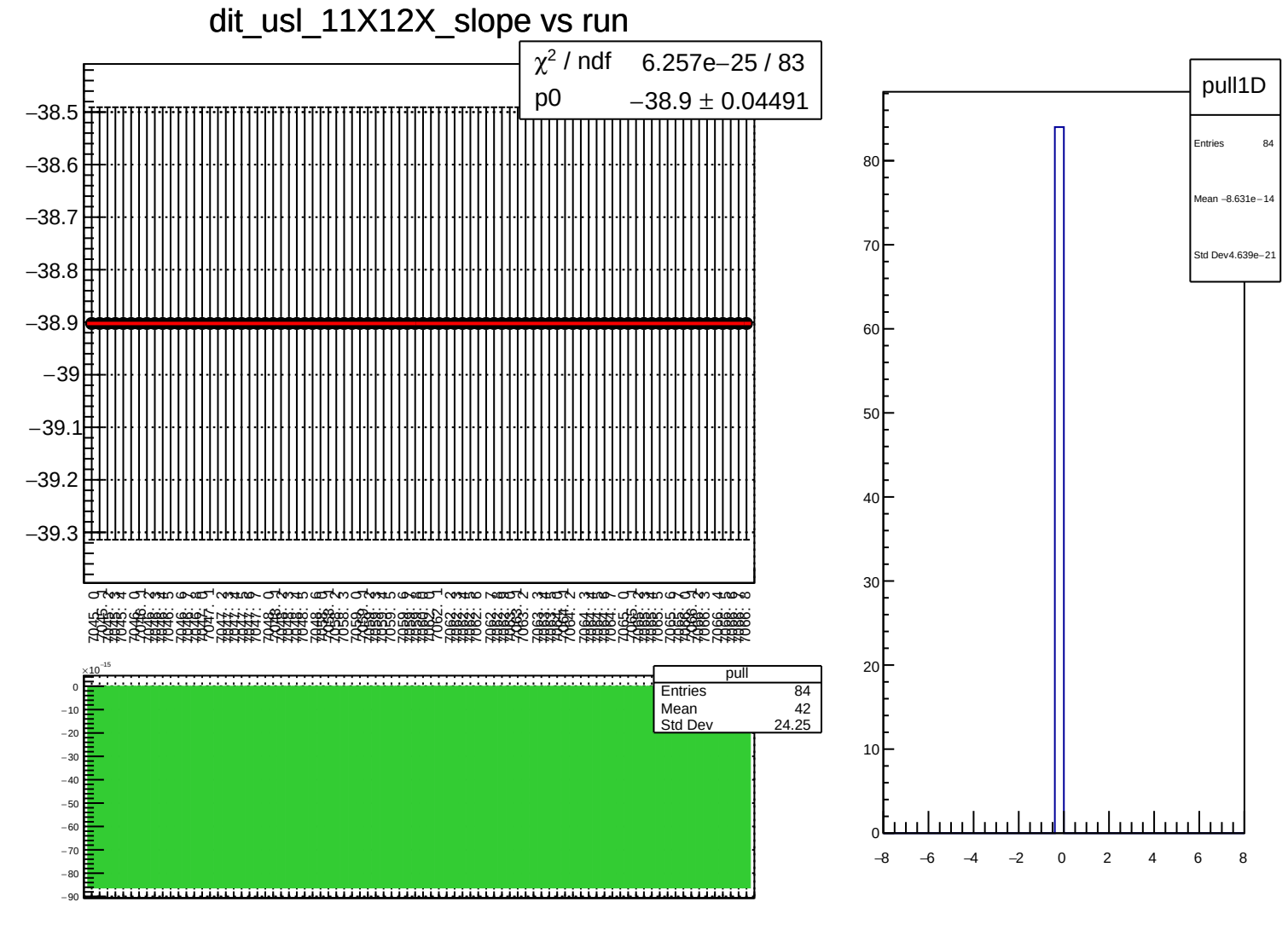

asym_sam_12345678_avg_mean vs run
χ² / ndf 68.48 / 83
p0 1242 ± 633.1
pull
Entries 84
Mean −690.1
Std Dev 727.7

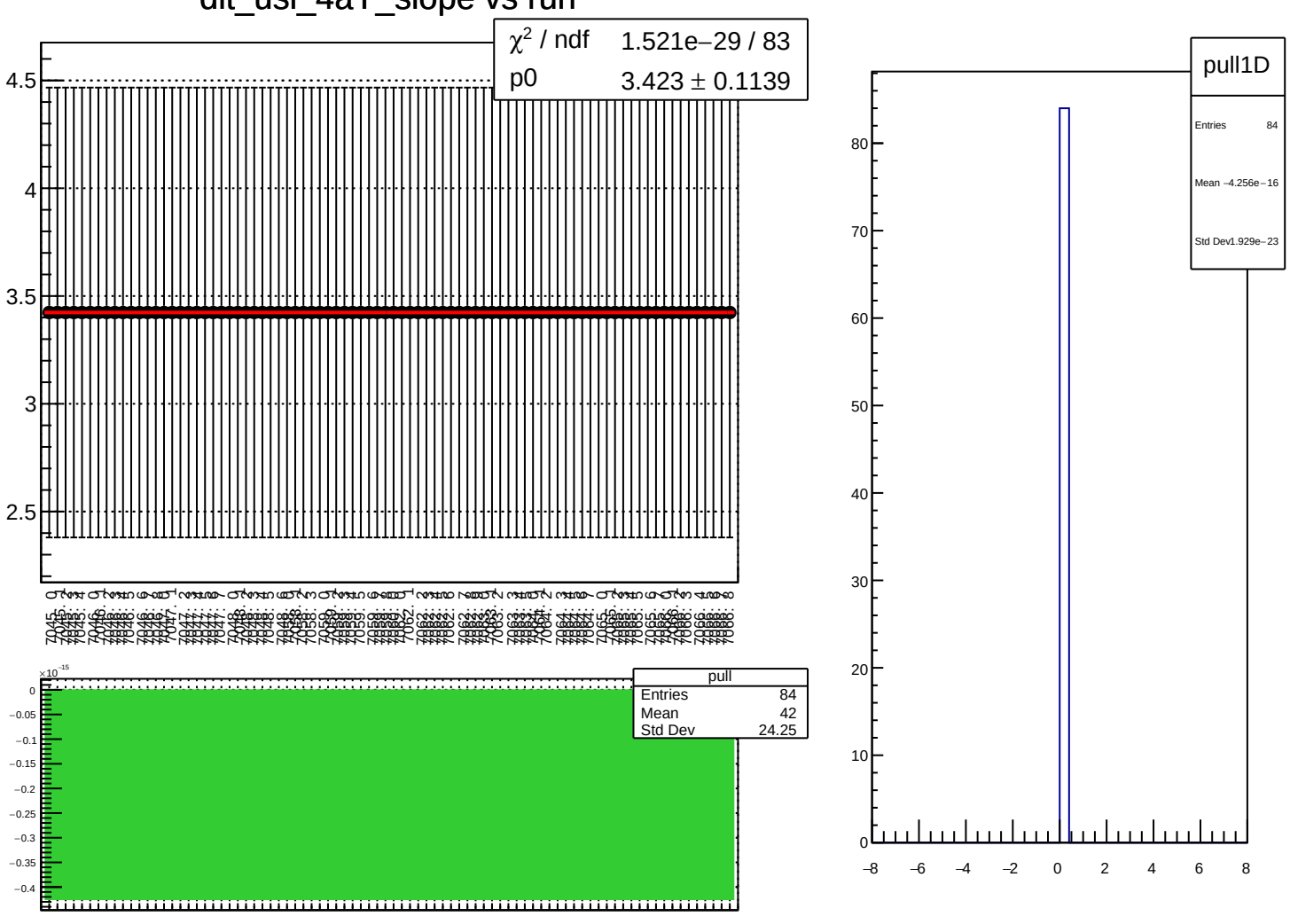

pull1D
Entries 84
Mean −0.007345
Std Dev 0.9029

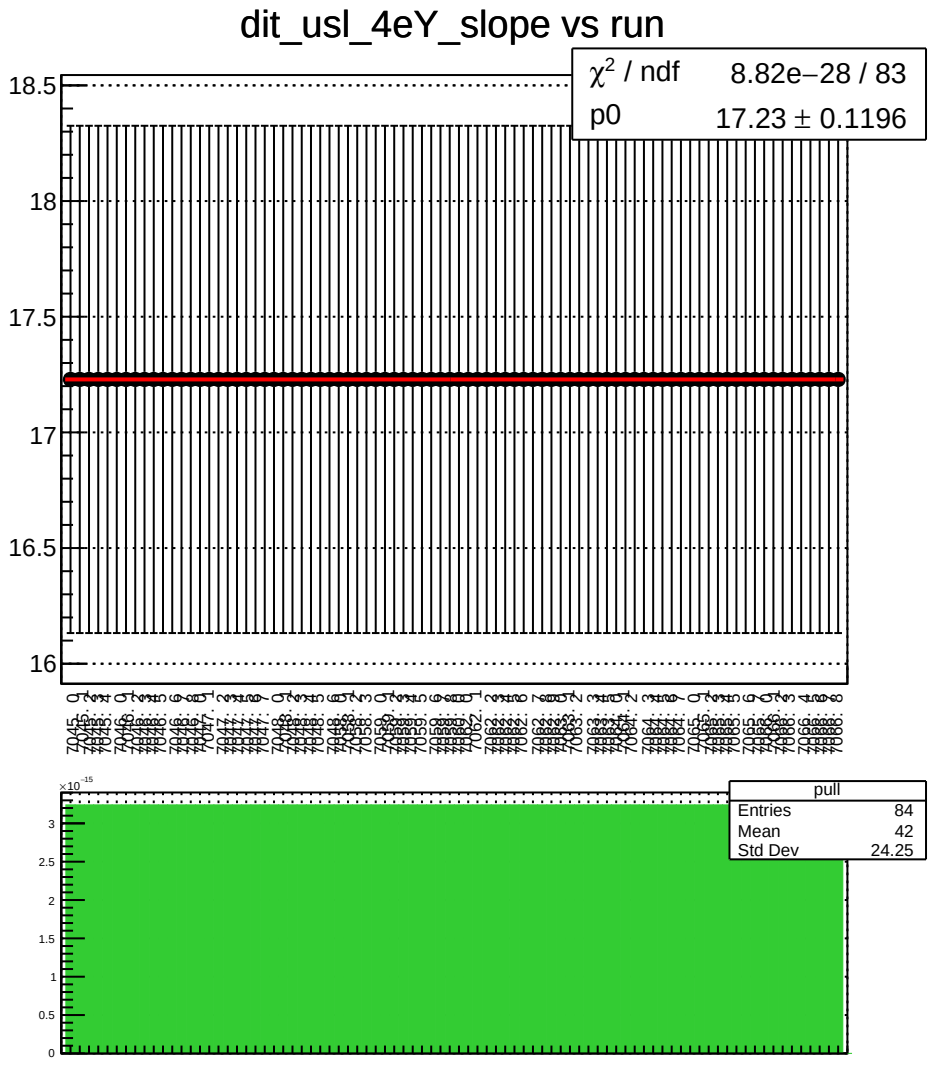

asym_sam_12345678_avg_rms vs run
χ² / ndf 2822 / 83
p0 564.8 ± 0.4476
620
600
580
560
540
520

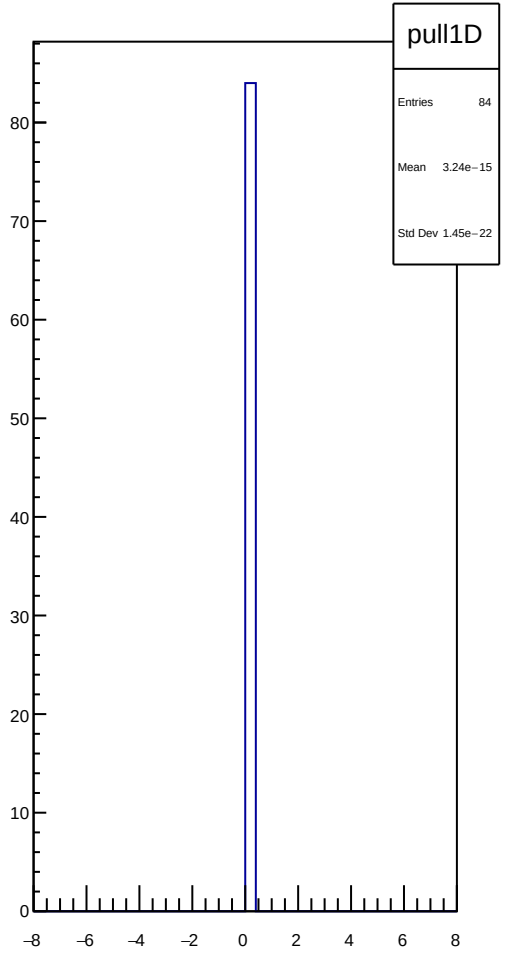

dit_usl_4aX_slope vs run
χ² / ndf 2.321e−27 / 83
p0 −112.4 ± 0.295
−110
−111
−112
−113
−114
−115
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull1D
Entries 84
Mean −5.257e−15
Std Dev 2.246e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

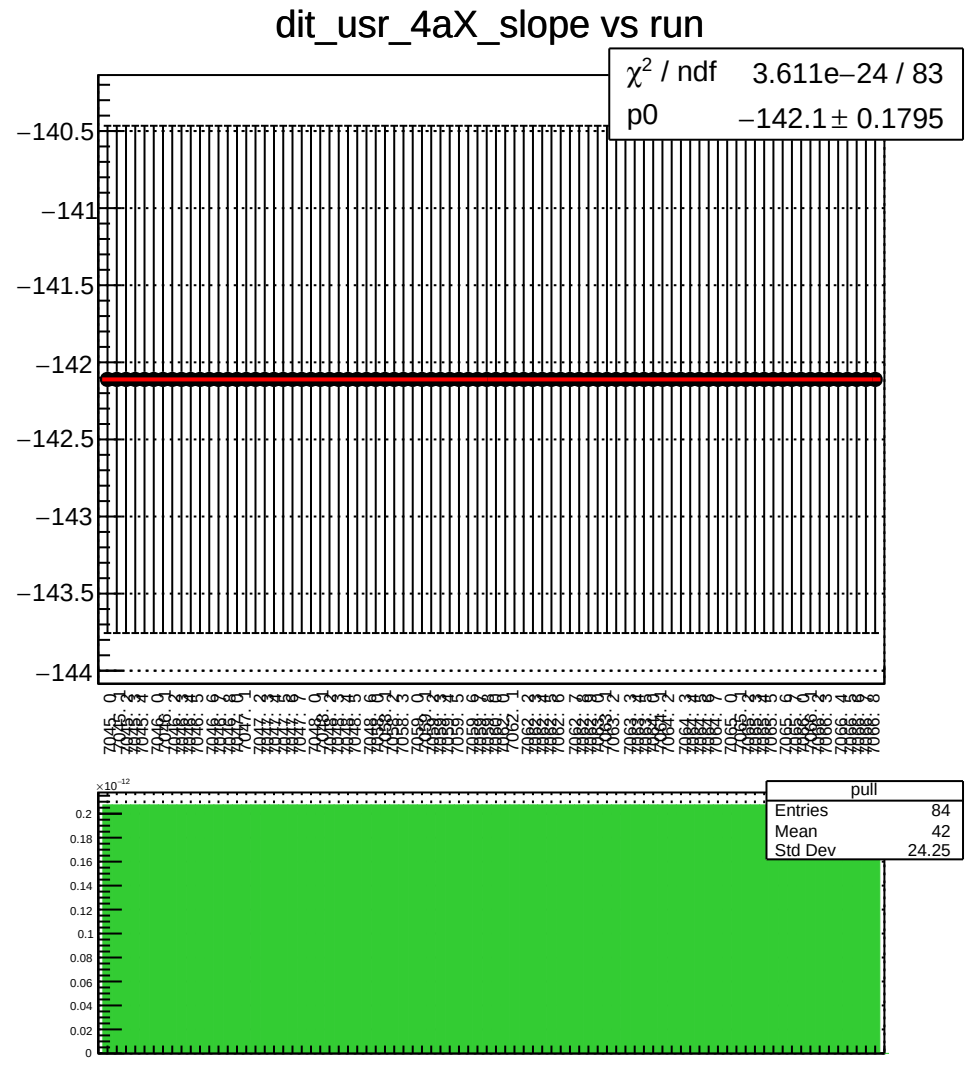

dit_usl_4eX_slope vs run
χ² / ndf 3.624e−25 / 83
p0 48.27 ± 0.2243
50.5
50
49.5
49
48.5
48
47.5
47
46.5
46
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 84
Mean −6.568e−14
Std Dev4.062e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

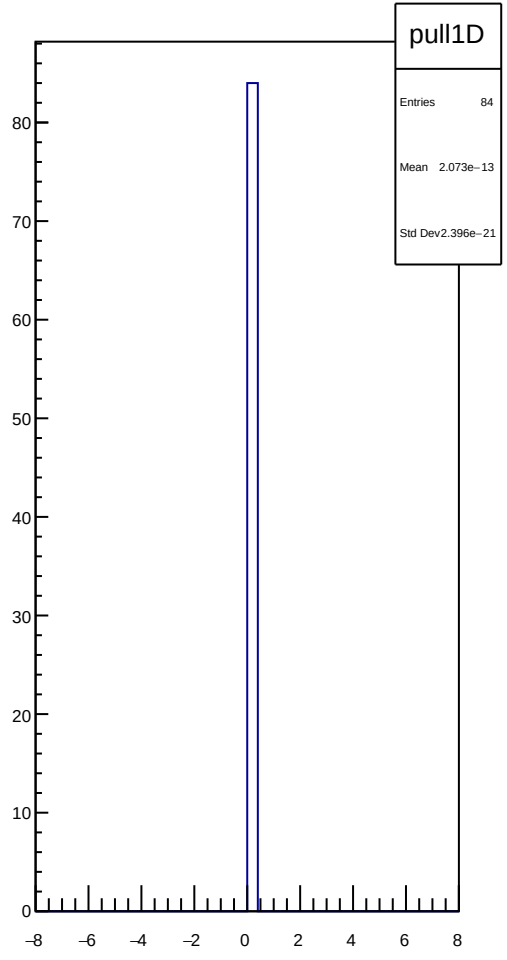

dit_usl_11X12X_slope vs run
χ² / ndf 6.257e−25 / 83
p0 −38.9 ± 0.04491
−38.5
−38.6
−38.7
−38.8
−38.9
−39
−39.1
−39.2
−39.3
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 84
Mean −8.631e−14
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

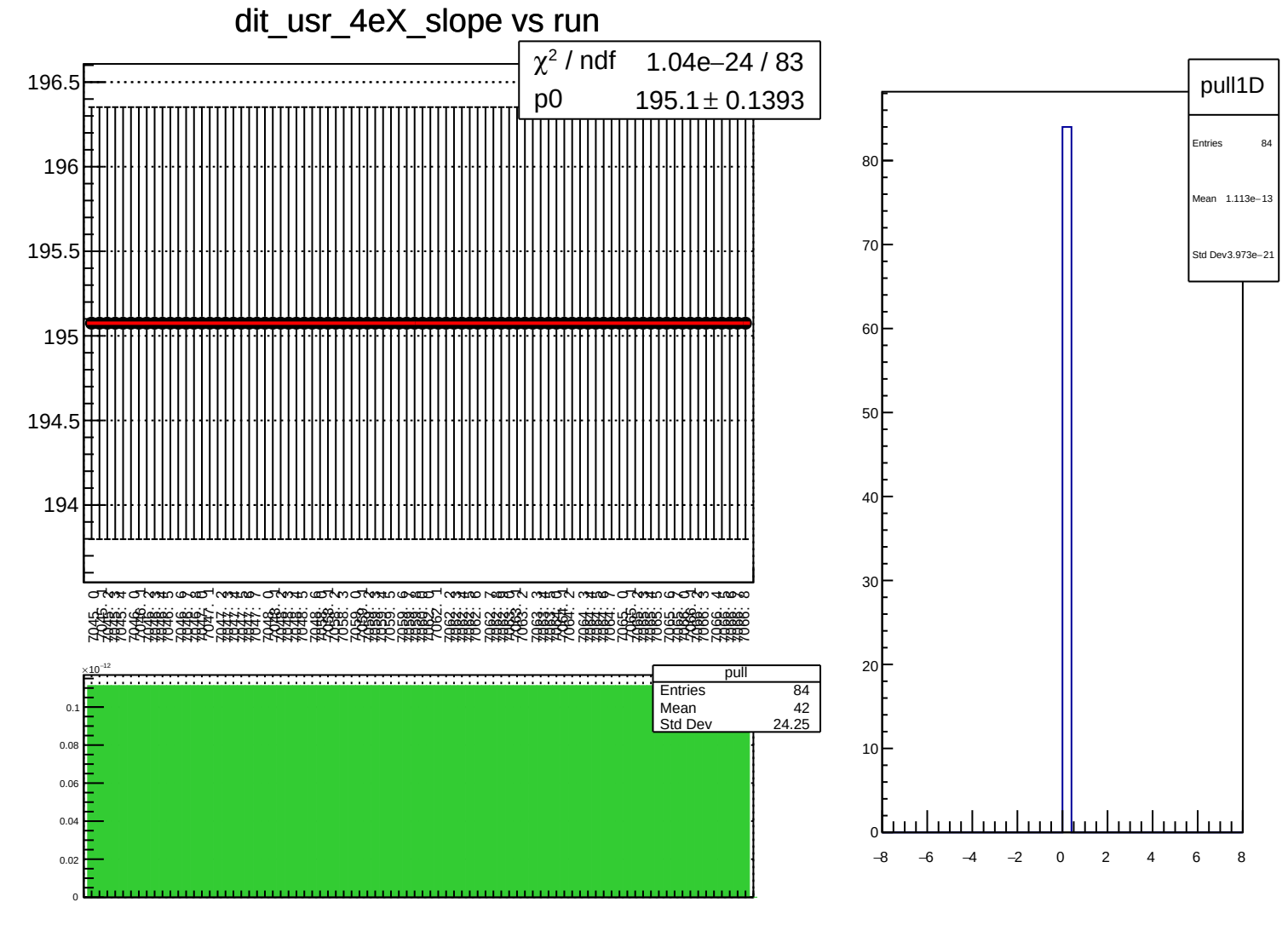

dit_usl_4aY_slope vs run
χ^2 / ndf 1.521e−29 / 83
p0 3.423 ± 0.1139
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −4.256e−16
Std Dev1.929e−23

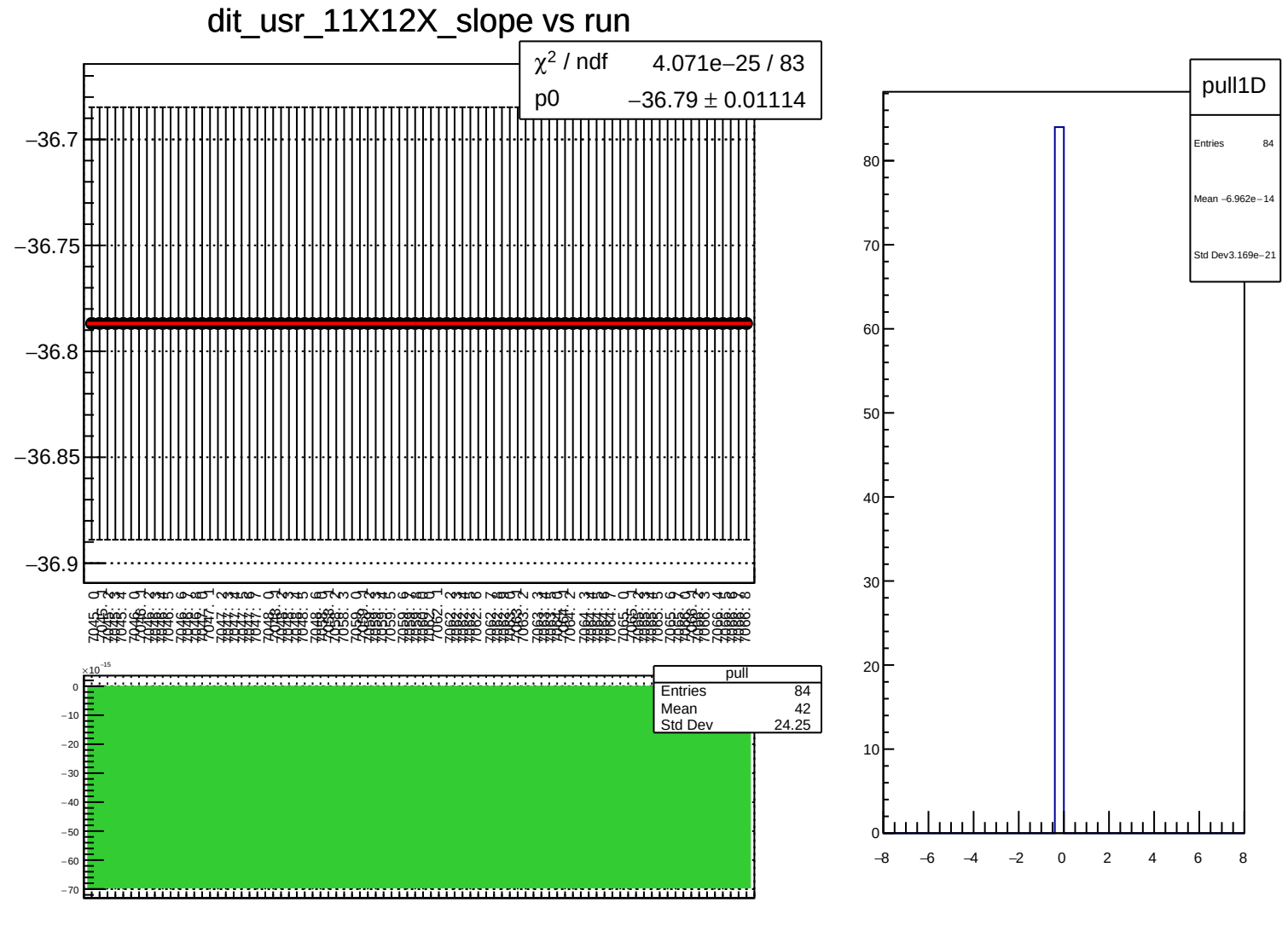

dit_usl_4eY_slope vs run
χ² / ndf 8.82e−28 / 83
p0 17.23 ± 0.1196
18.5
18
17.5
17
16.5
16
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 84
Mean 42
Std Dev 24.25

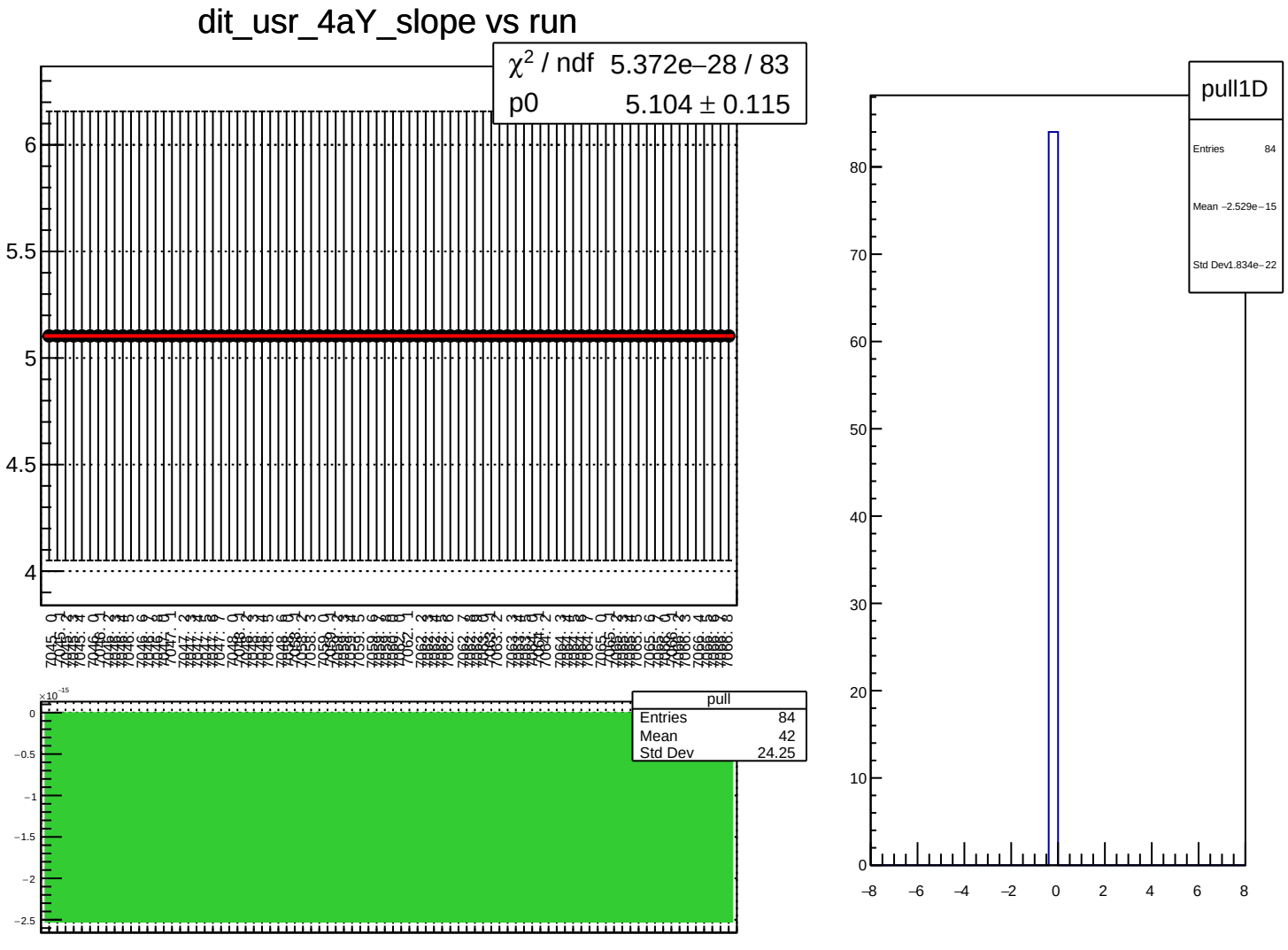

pull1D
Entries 84
Mean 3.24e−15
Std Dev 1.45e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

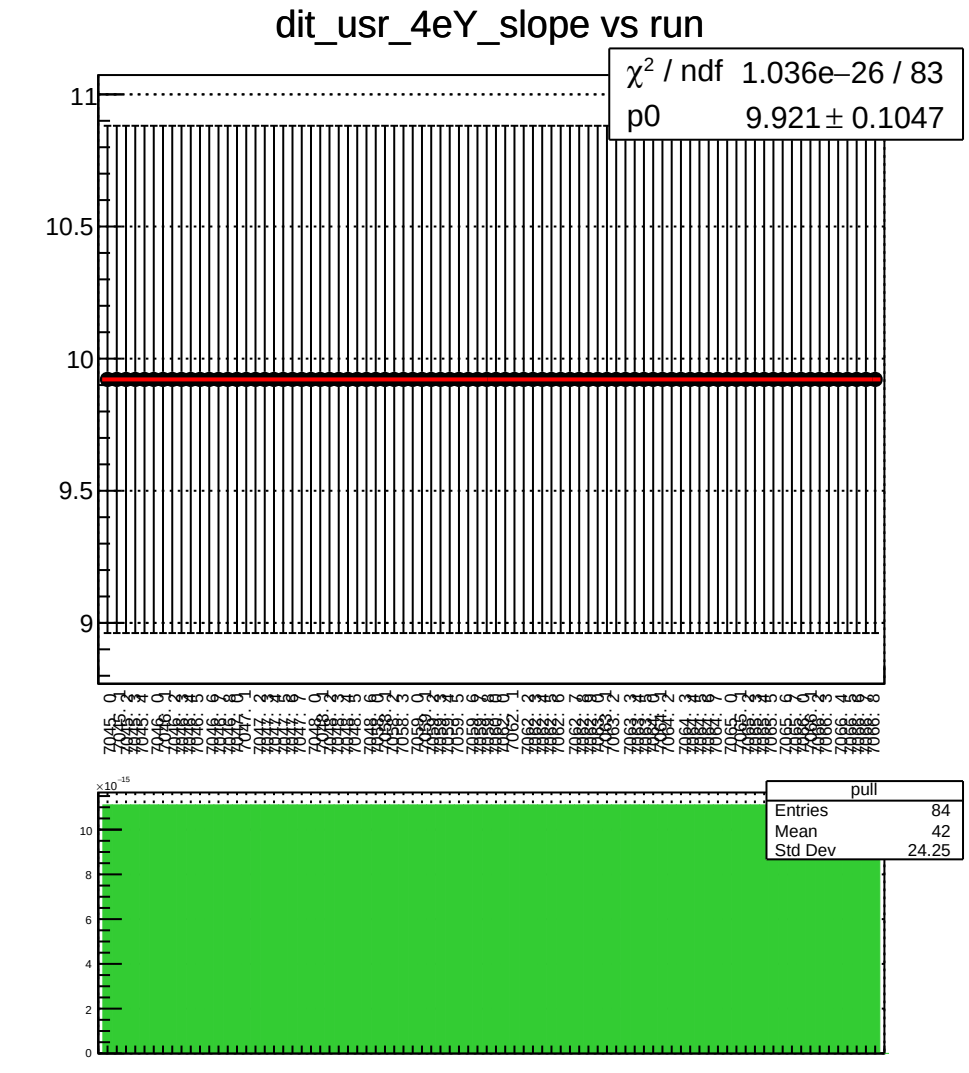

dit_usr_4aX_slope vs run
χ² / ndf 3.611e−24 / 83
p0 −142.1 ± 0.1795
−140.5
−141
−141.5
−142
−142.5
−143
−143.5
−144
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

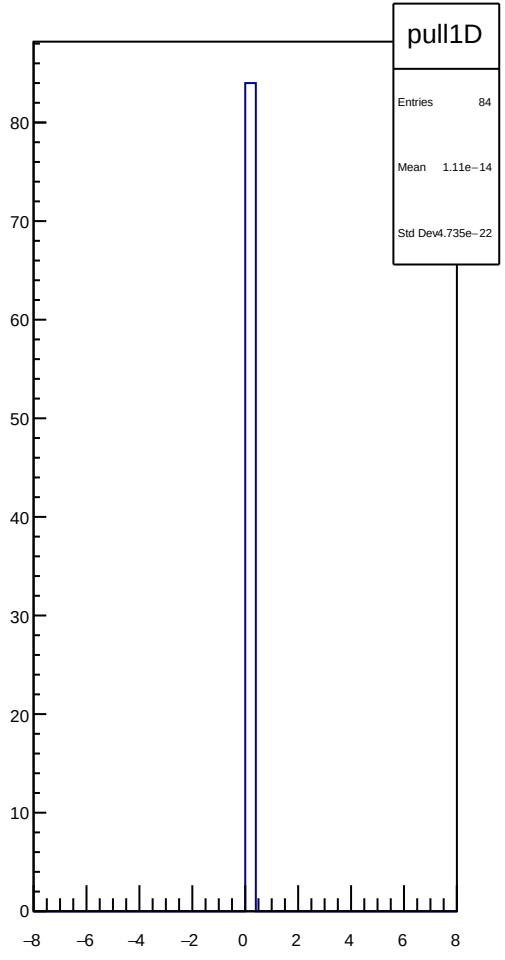

pull1D
Entries 84
Mean 2.073e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

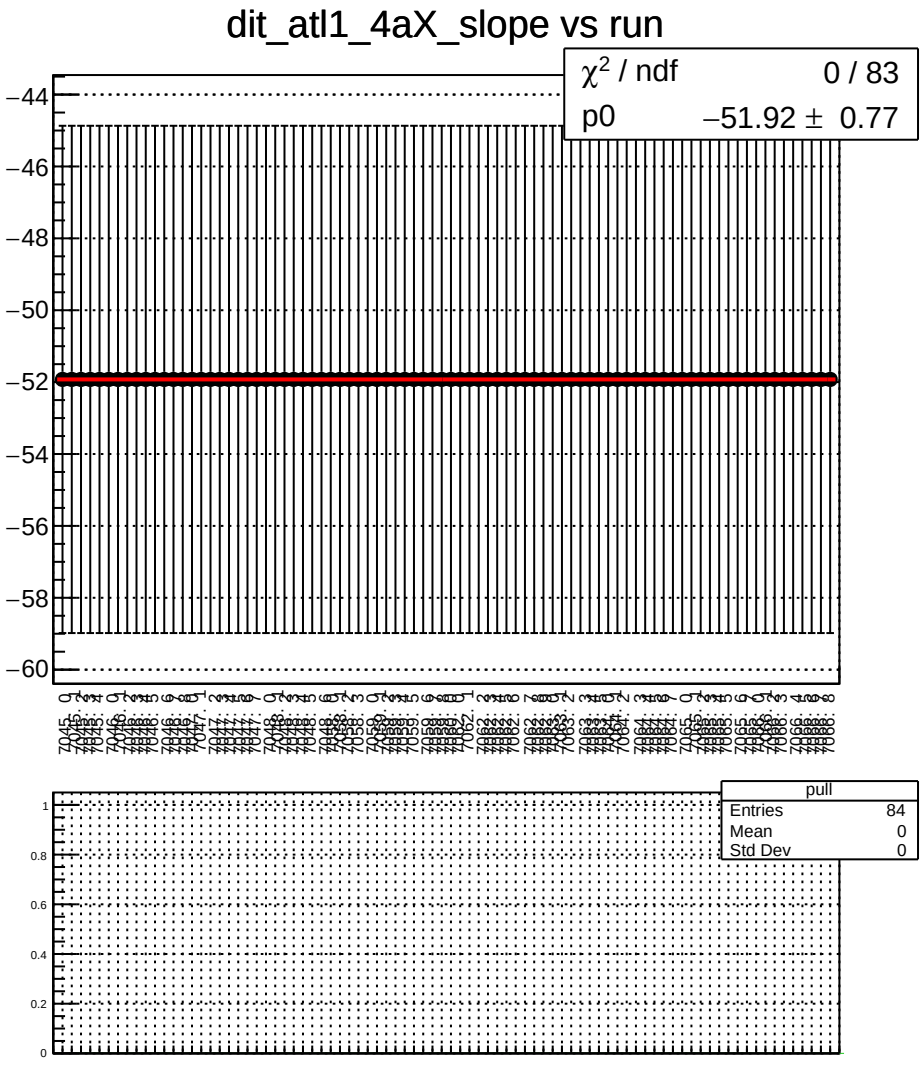

dit_usr_4eX_slope vs run
χ^2 / ndf 1.04e−24 / 83
p0 195.1 ± 0.1393
196.5
196
195.5
195
194.5
194
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 84
Mean 1.113e−13
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

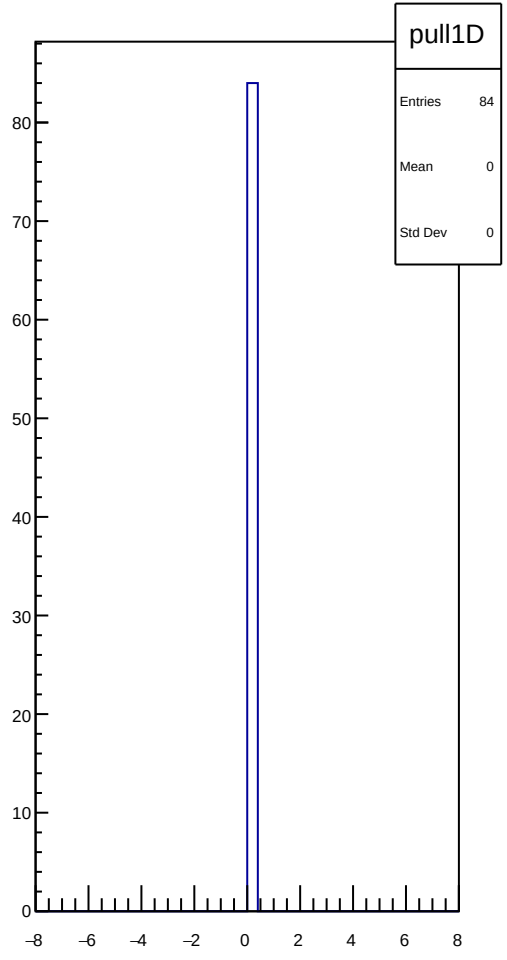

dit_usr_11X12X_slope vs run
χ² / ndf 4.071e−25 / 83
p0 −36.79 ± 0.01114
−36.7
−36.75
−36.8
−36.85
−36.9
×10⁻¹⁵
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −6.962e−14
Std Dev3.169e−21

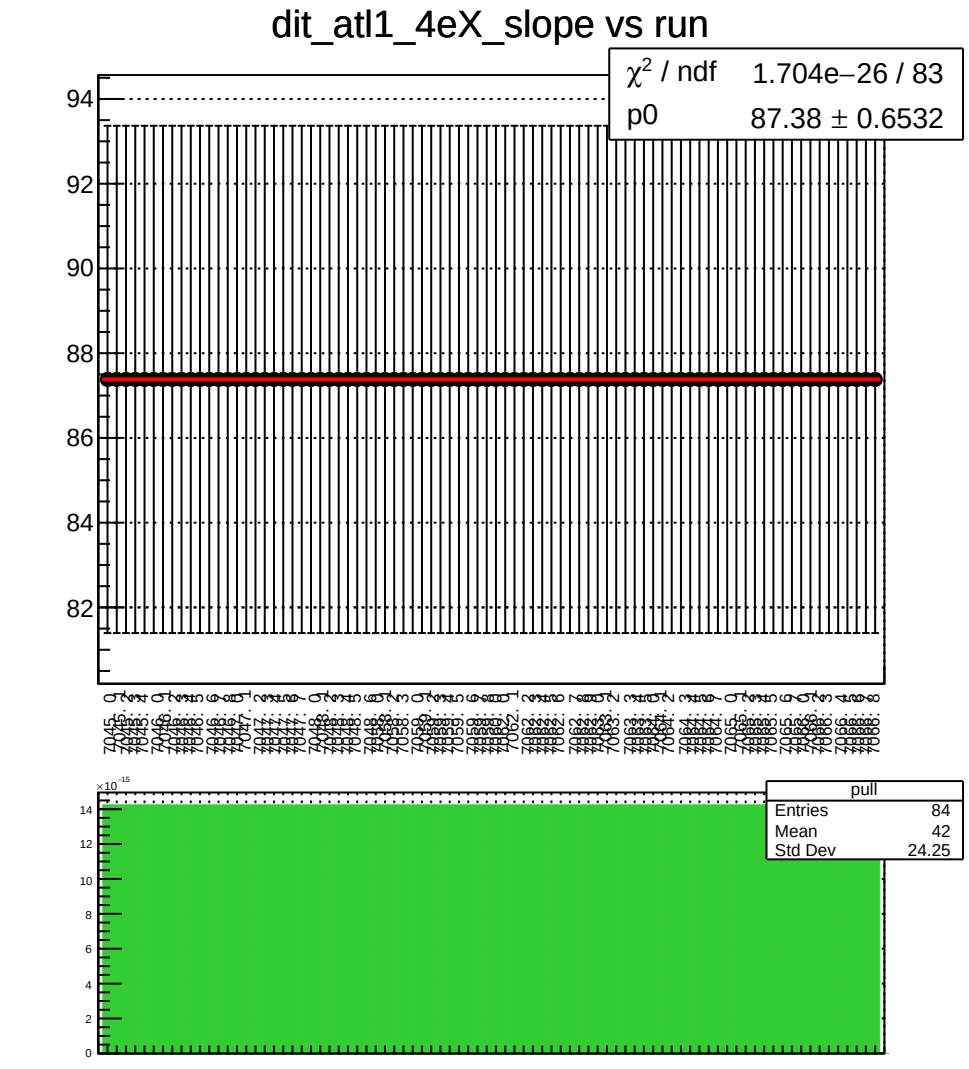

dit_usr_4aY_slope vs run
χ² / ndf 5.372e−28 / 83
p0 5.104 ± 0.115
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −2.529e−15
Std Dev1.834e−22

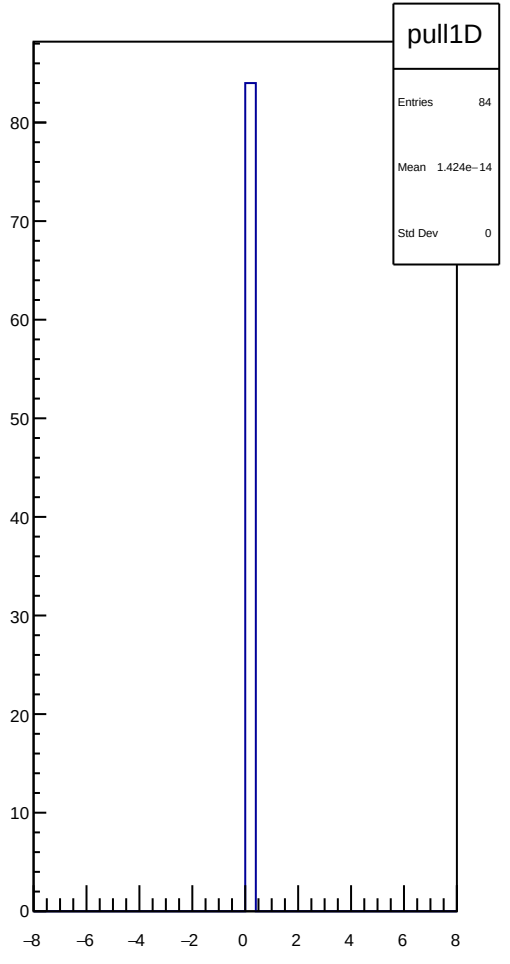

dit_usr_4eY_slope vs run
χ² / ndf 1.036e−26 / 83
p0 9.921 ± 0.1047
11
10.5
10
9.5
9
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
10
8
6
4
2
0

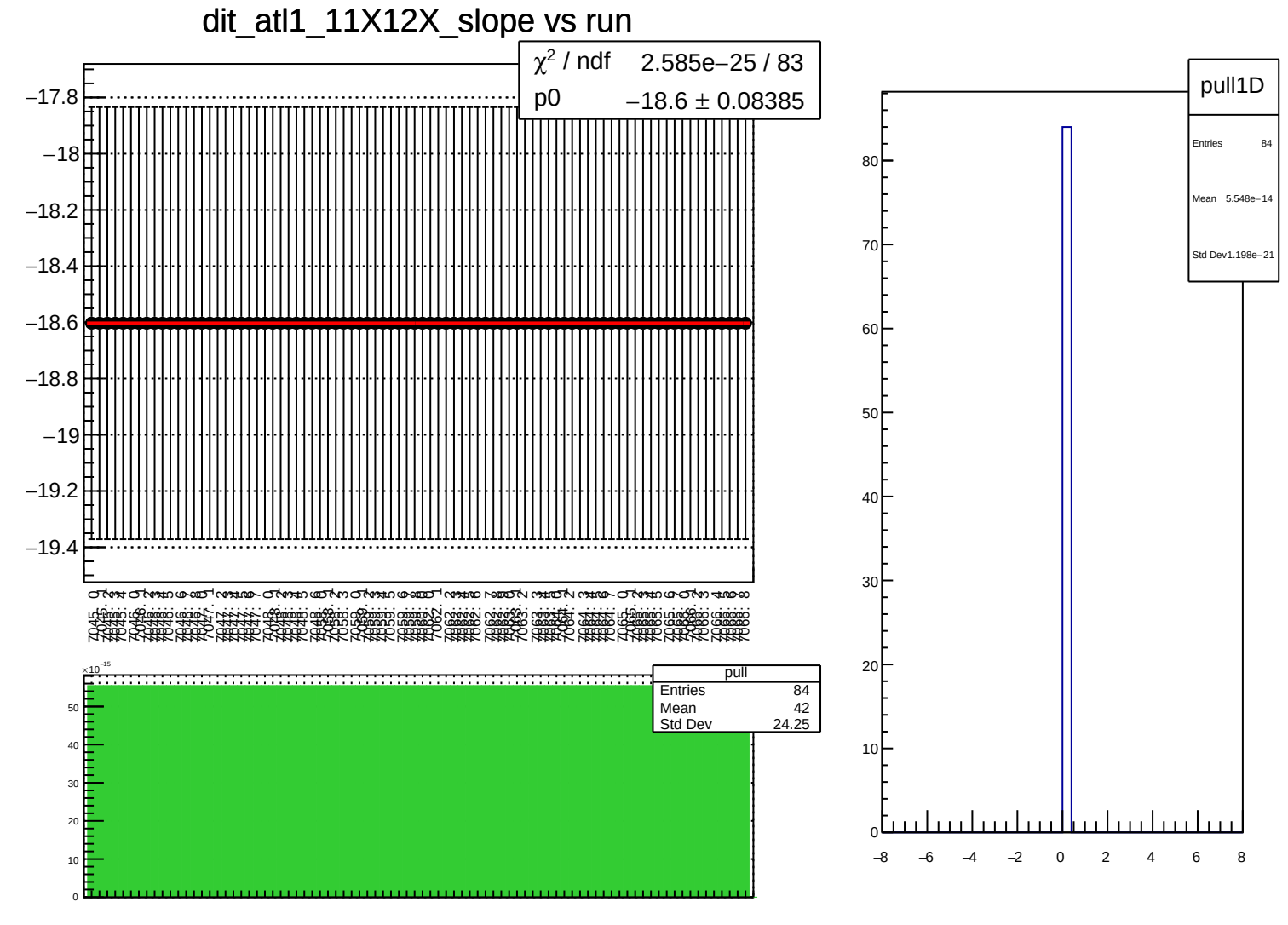

pull1D
Entries 84
Mean 1.11e−14
Std Dev 4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

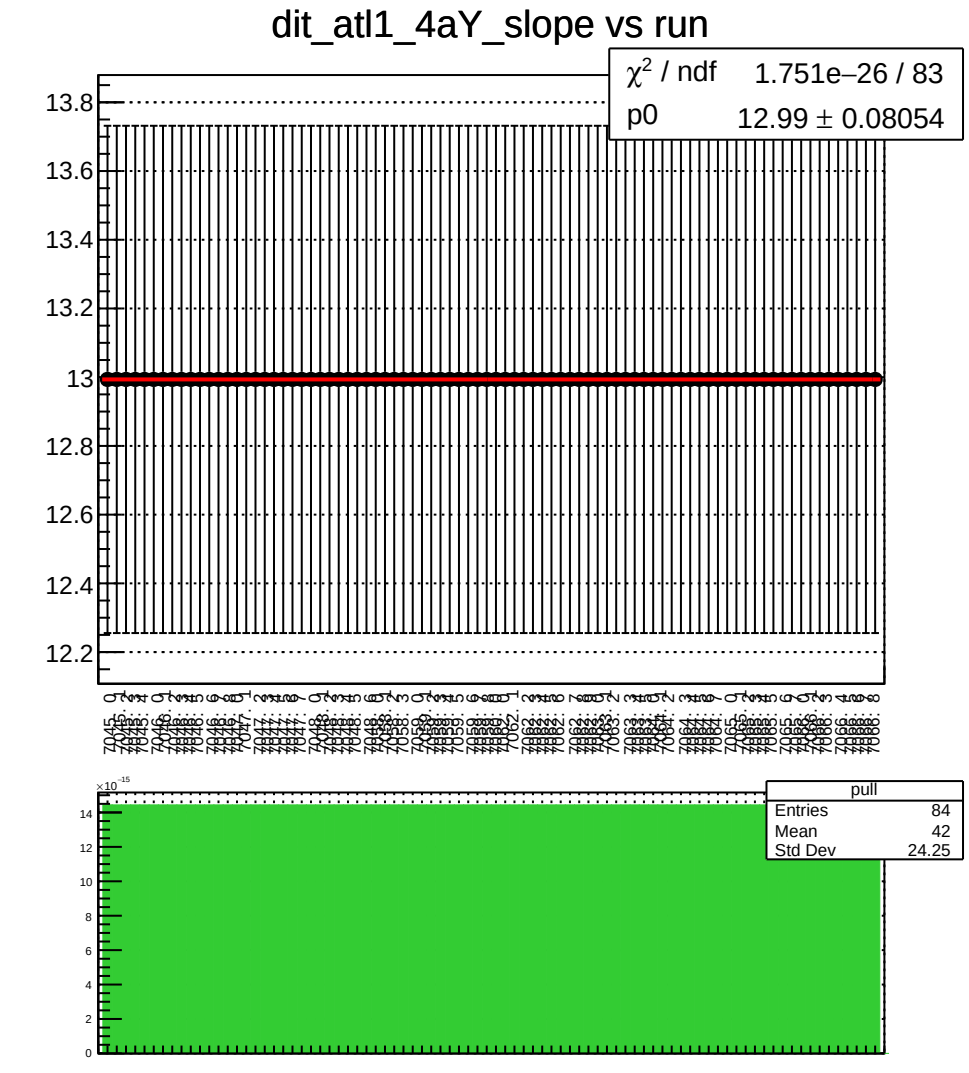

dit_atl1_4aX_slope vs run
χ² / ndf 0 / 83
p0 −51.92 ± 0.77
pull
Entries 84
Mean 0
Std Dev 0

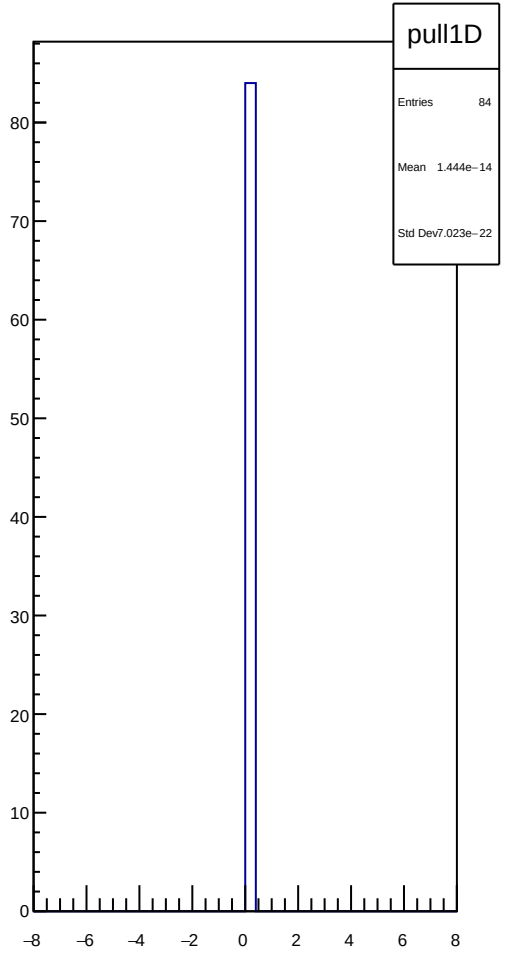

pull1D
Entries 84
Mean 0
Std Dev 0

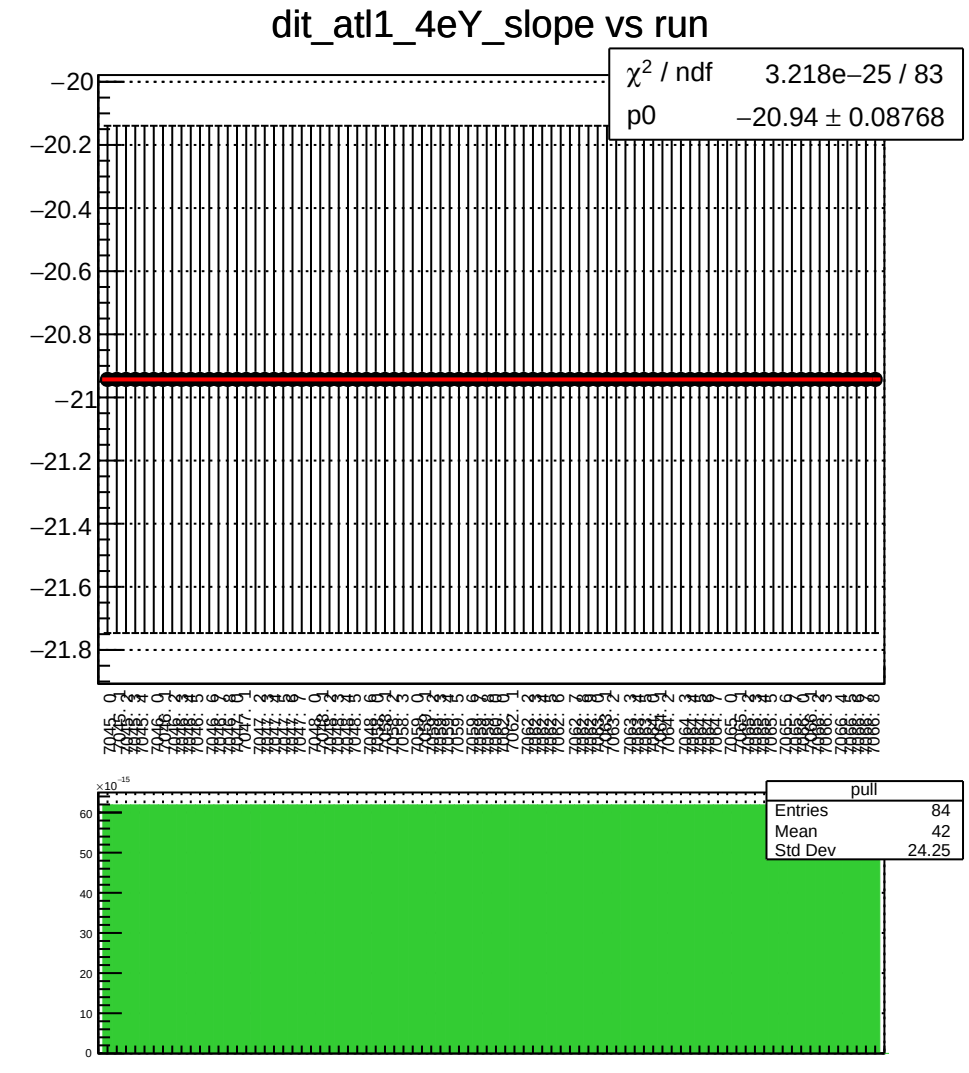

dit_atl1_4eX_slope vs run
χ² / ndf 1.704e−26 / 83
p0 87.38 ± 0.6532
94
92
90
88
86
84
82
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
14
12
10
8
6
4
2
0

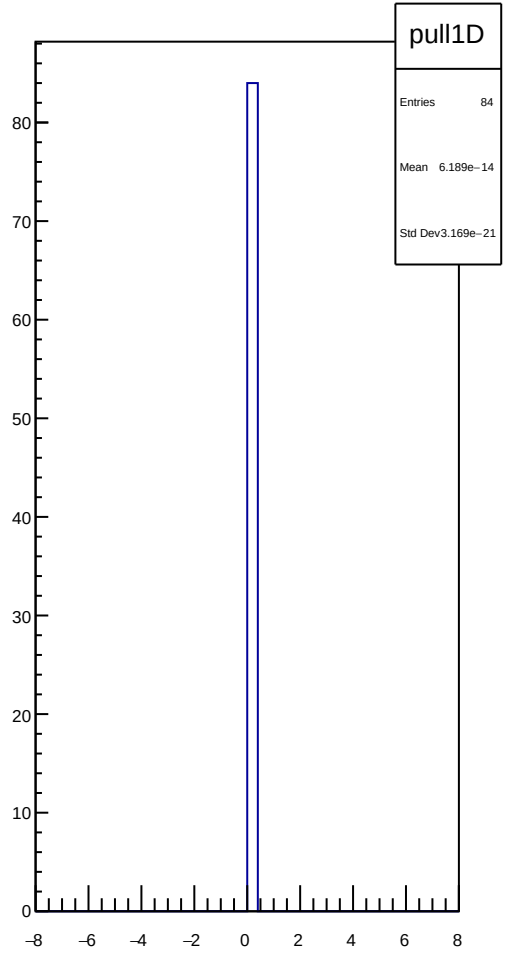

pull1D
Entries 84
Mean 1.424e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

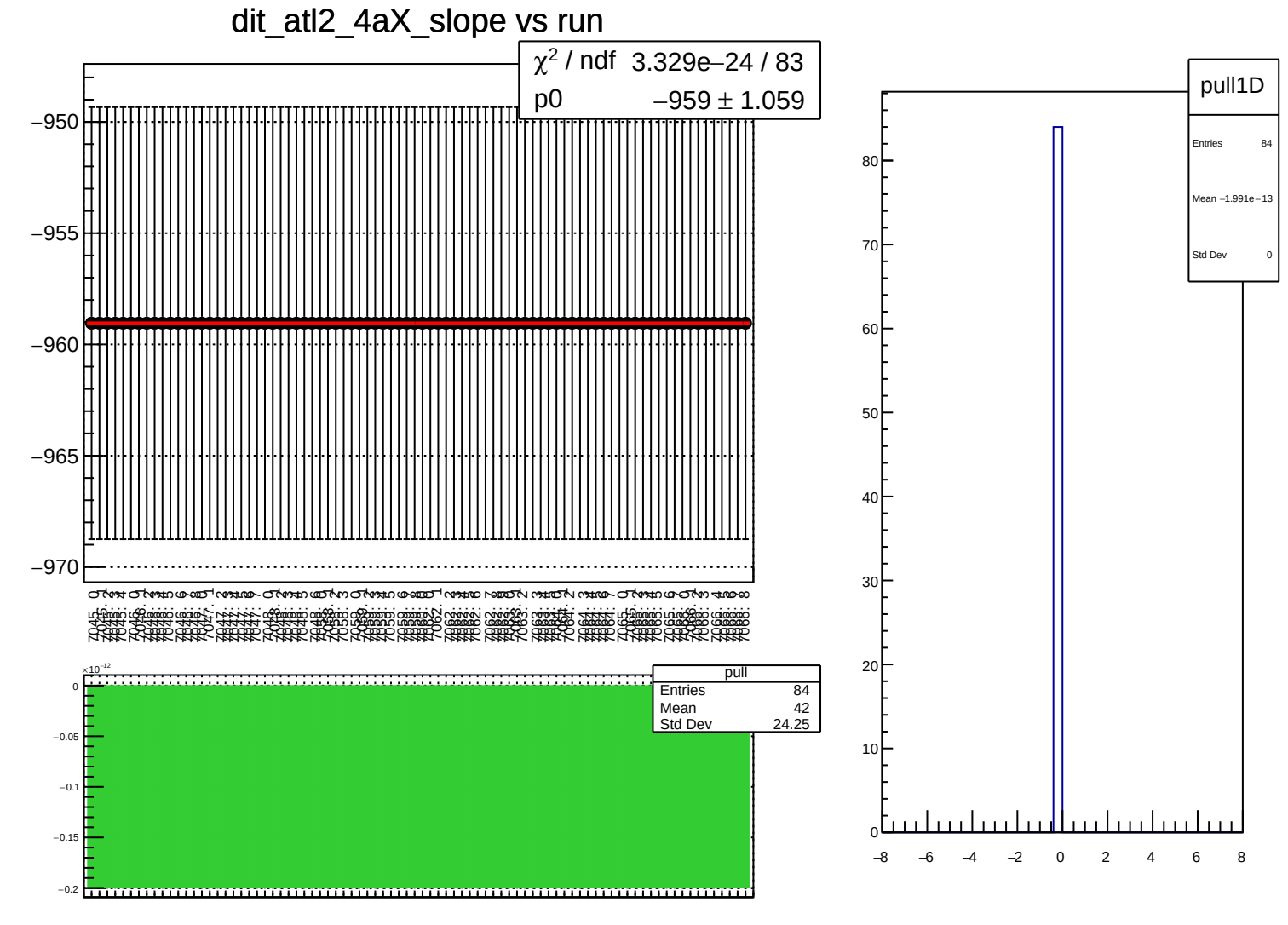

dit_atl1_11X12X_slope vs run
χ² / ndf 2.585e−25 / 83
p0 −18.6 ± 0.08385
−17.8
−18
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 5.548e−14
Std Dev1.198e−21

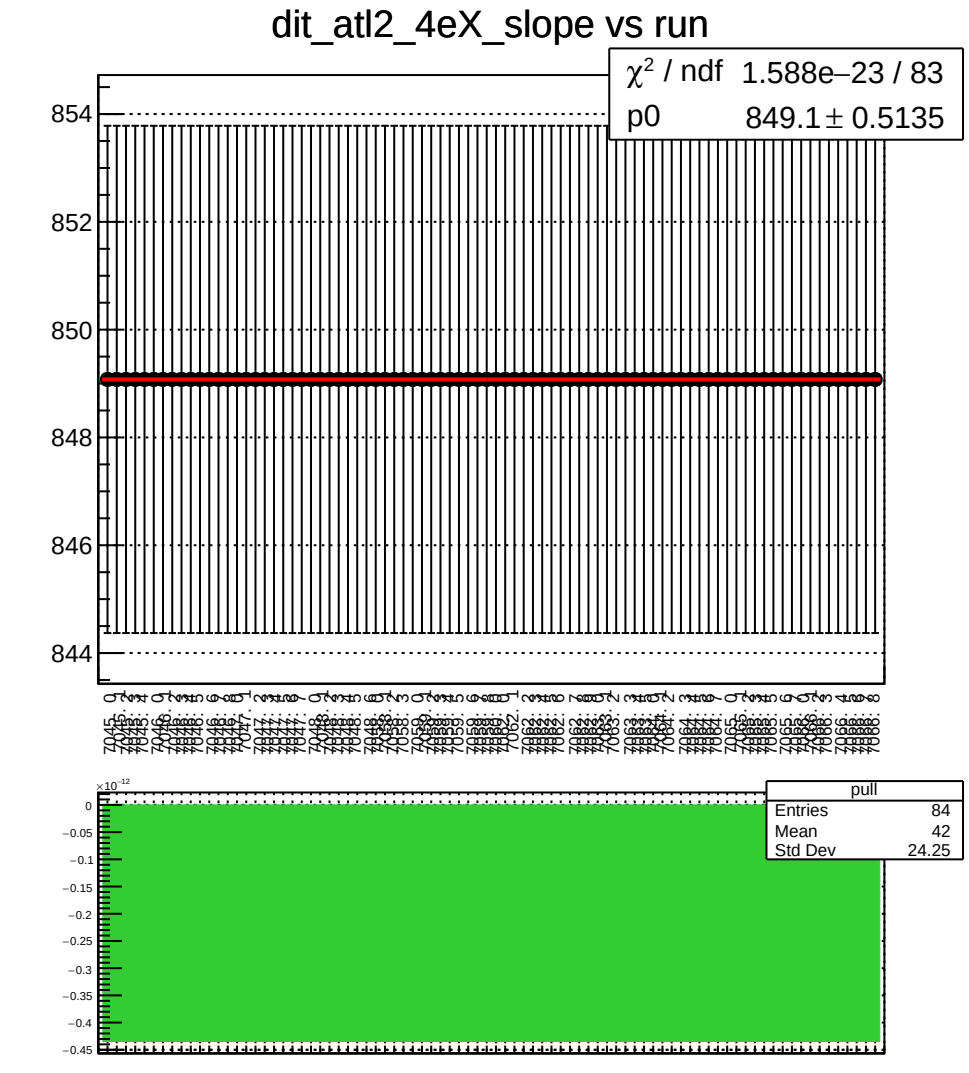

dit_atl1_4aY_slope vs run
χ² / ndf 1.751e−26 / 83
p0 12.99 ± 0.08054
13.8
13.6
13.4
13.2
13
12.8
12.6
12.4
12.2
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 84
Mean 42
Std Dev 24.25

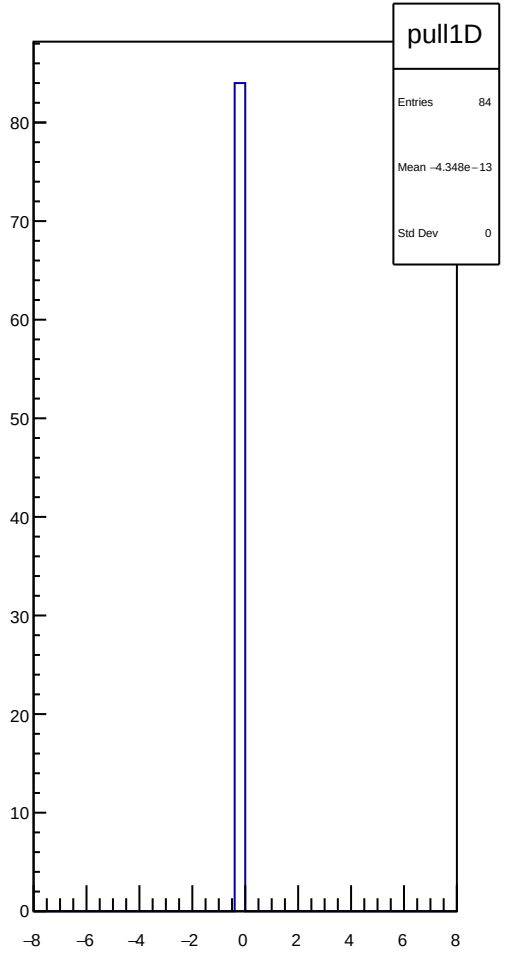

pull1D
Entries 84
Mean 1.444e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

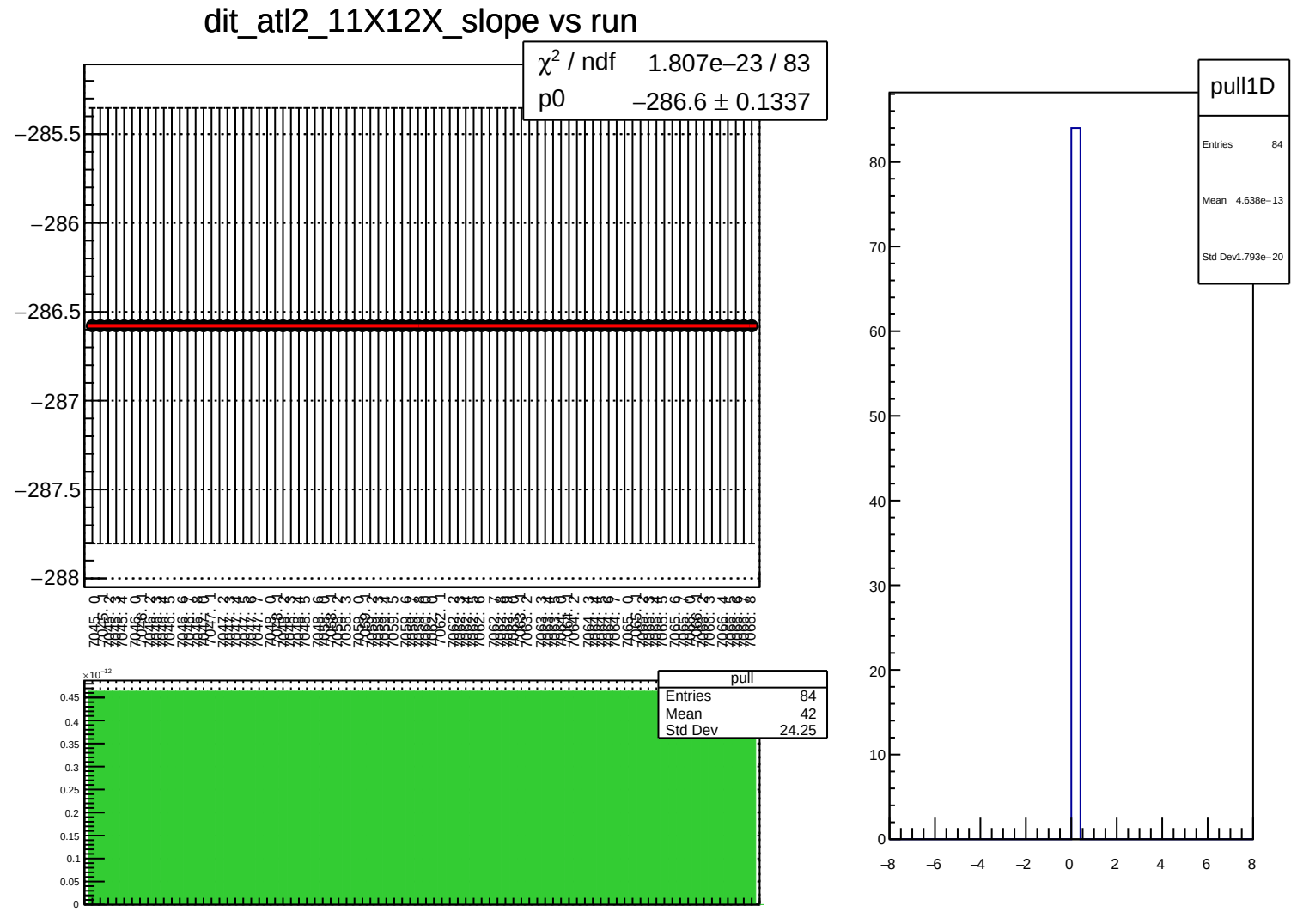

dit_atl1_4eY_slope vs run
χ² / ndf 3.218e−25 / 83
p0 −20.94 ± 0.08768
−20
−20.2
−20.4
−20.6
−20.8
−21
−21.2
−21.4
−21.6
−21.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
60
50
40
30
20
10
0

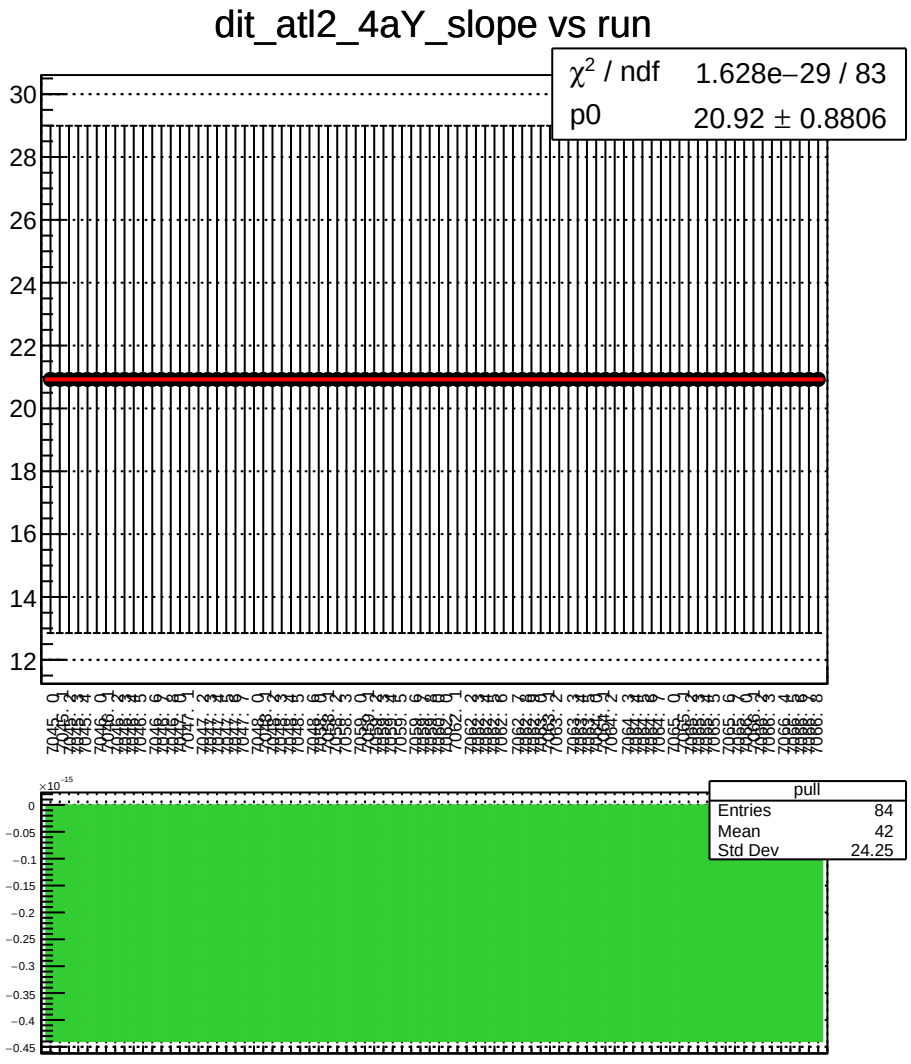

pull1D
Entries 84
Mean 6.189e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

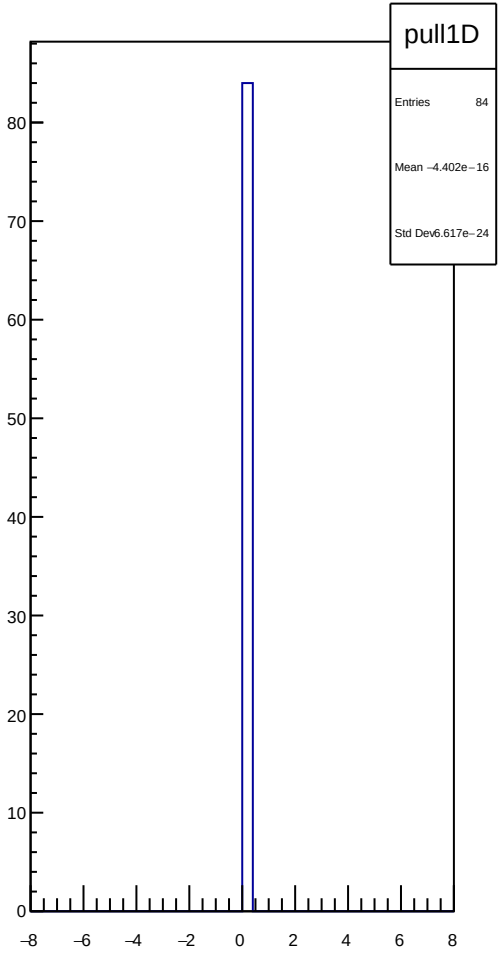

dit_atl2_4aX_slope vs run
χ^2 / ndf 3.329e−24 / 83
p0 −959 ± 1.059
−950
−955
−960
−965
−970
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 84
Mean −1.991e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

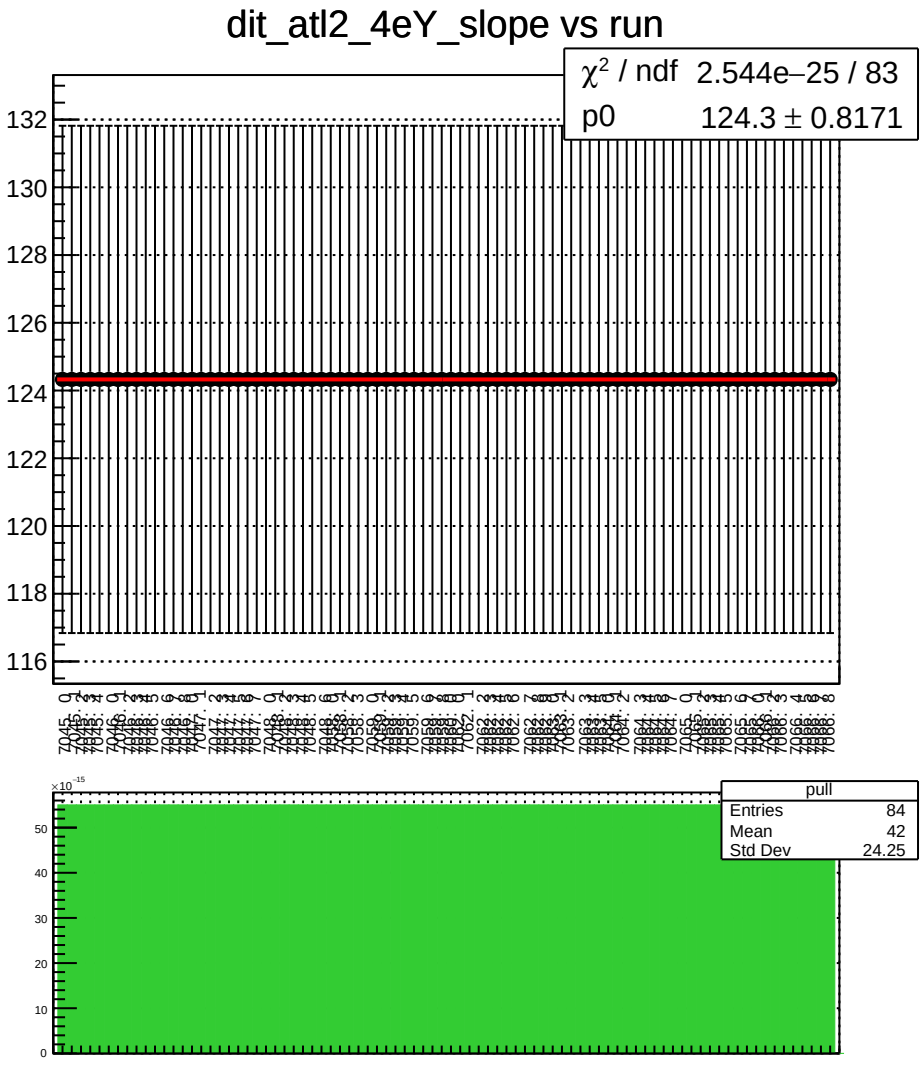

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.588e−23 / 83
p0 849.1 ± 0.5135
854
852
850
848
846
844
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45

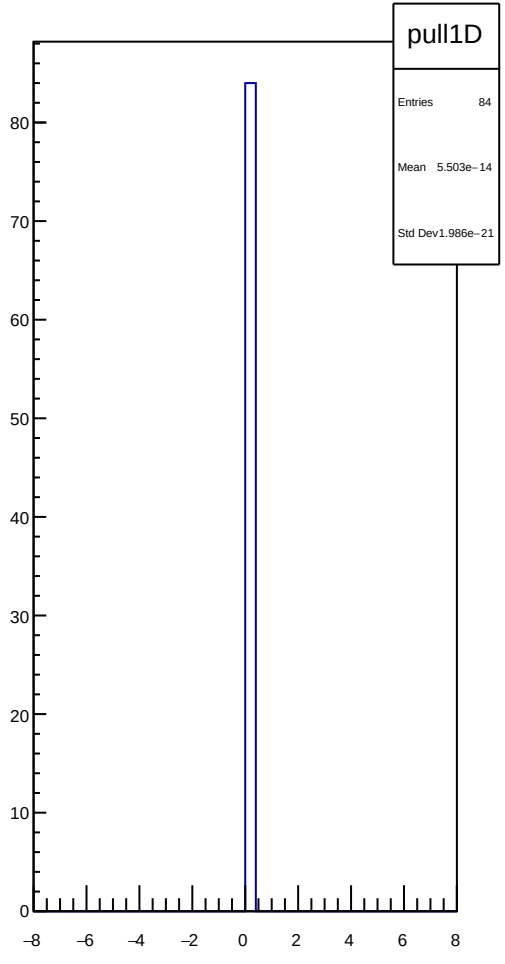

pull1D
Entries 84
Mean −4.348e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

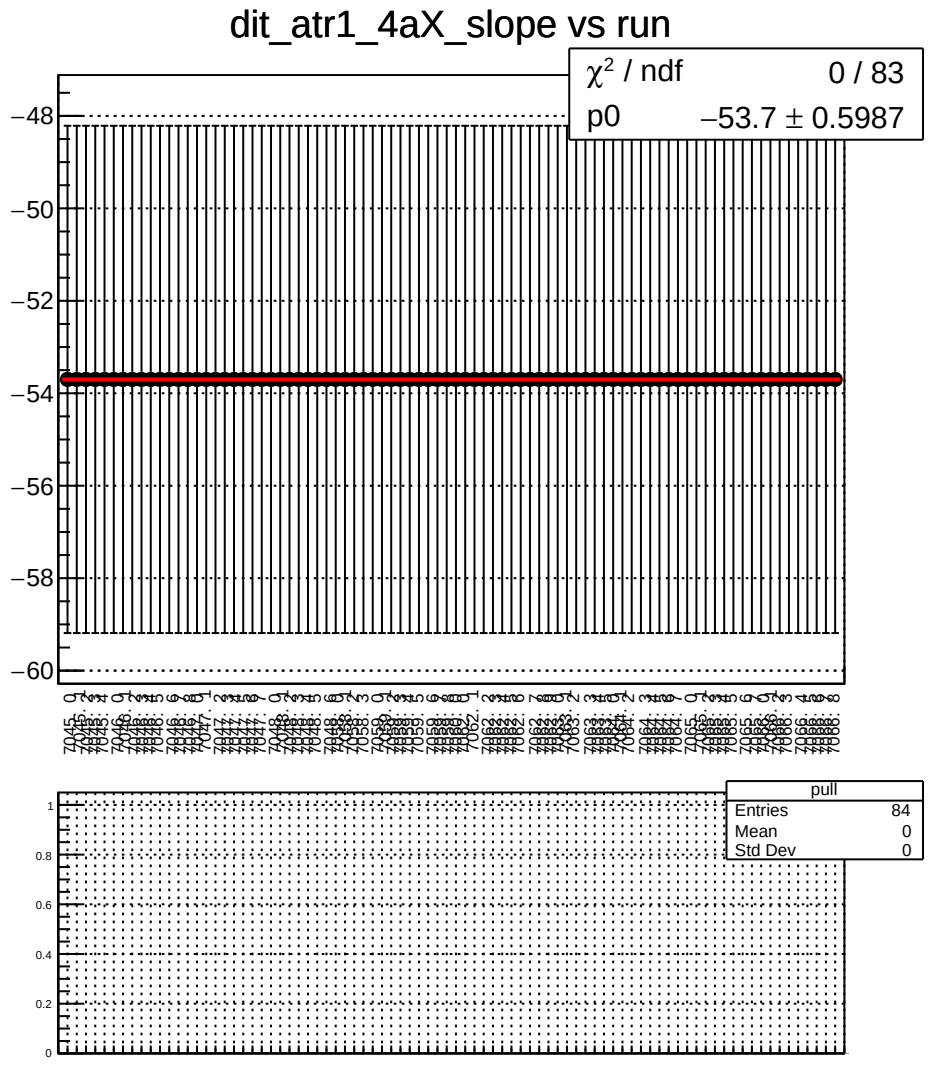

dit_atl2_11X12X_slope vs run
χ² / ndf 1.807e−23 / 83
p0 −286.6 ± 0.1337
−285.5
−286
−286.5
−287
−287.5
−288
×10⁻¹²
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 4.638e−13
Std Dev1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

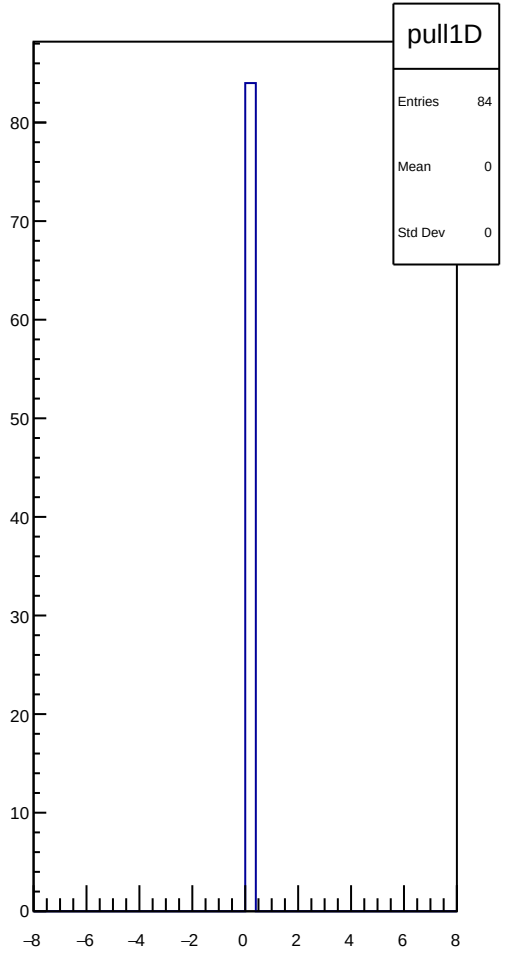

dit_atl2_4aY_slope vs run
χ² / ndf 1.628e−29 / 83
p0 20.92 ± 0.8806
pull
Entries 84
Mean 42
Std Dev 24.25

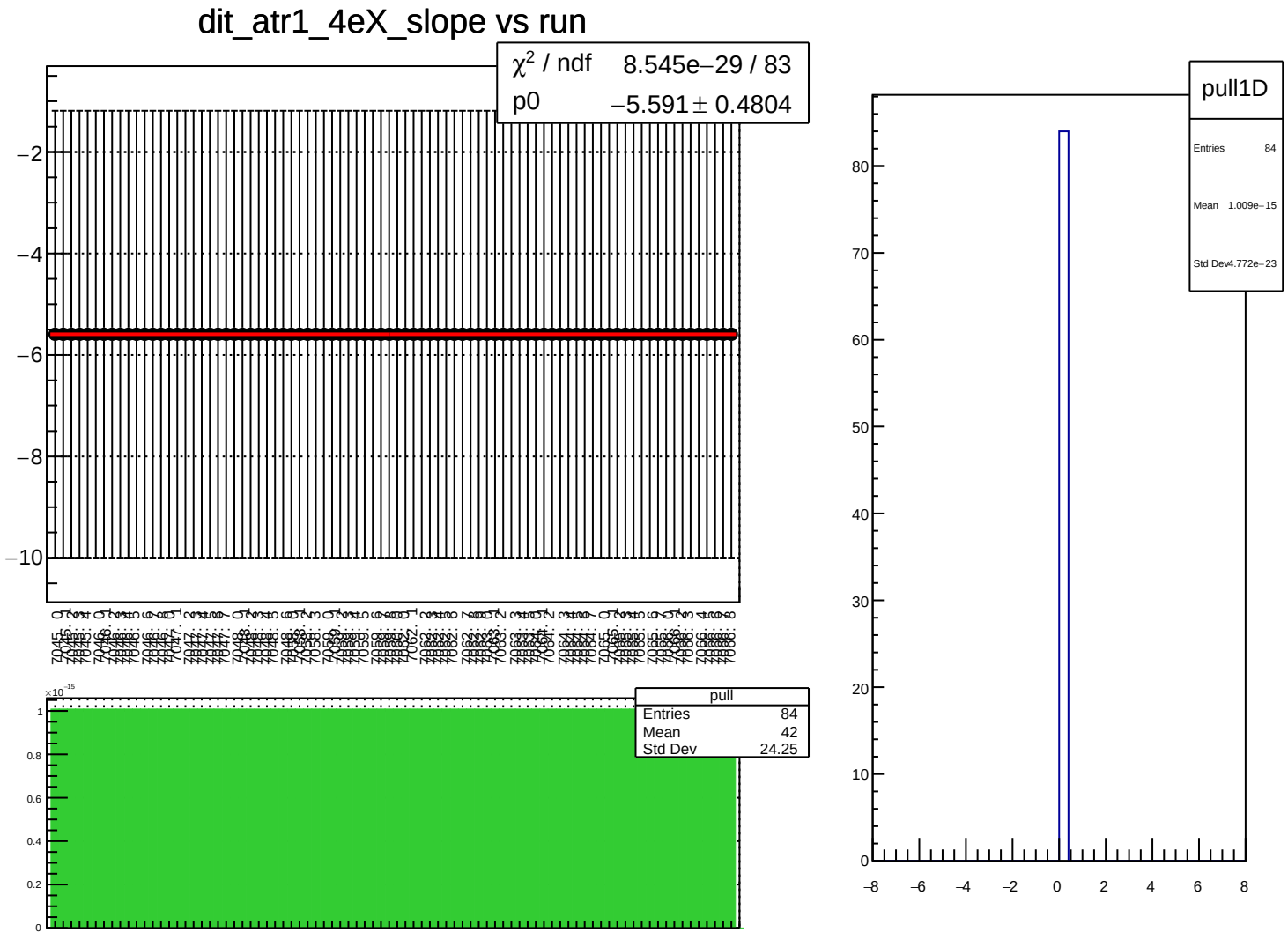

pull1D
Entries 84
Mean −4.402e−16
Std Dev 6.617e−24

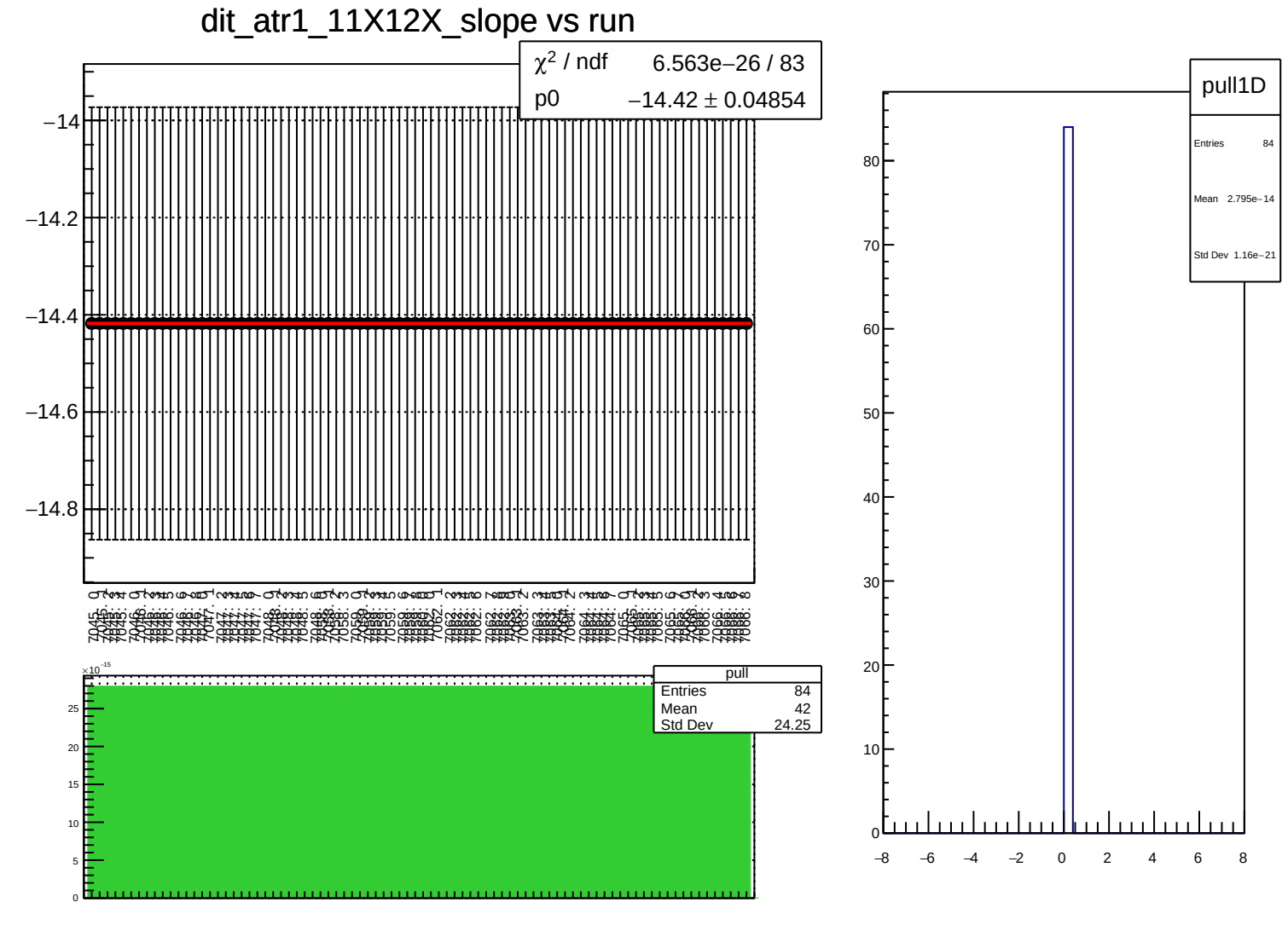

dit_atl2_4eY_slope vs run
χ² / ndf 2.544e−25 / 83
p0 124.3 ± 0.8171
132
130
128
126
124
122
120
118
116
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
50
40
30
20
10
0

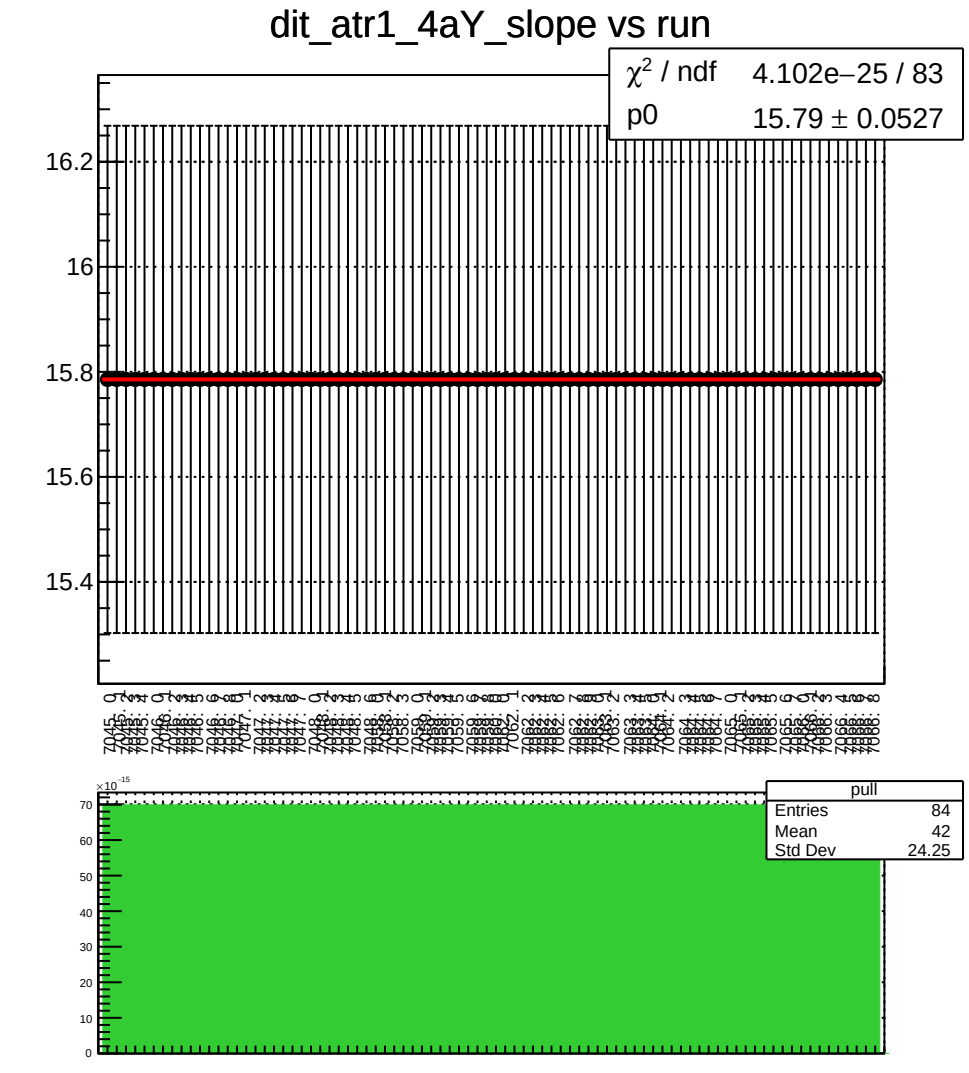

pull1D
Entries 84
Mean 5.503e−14
Std Dev1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

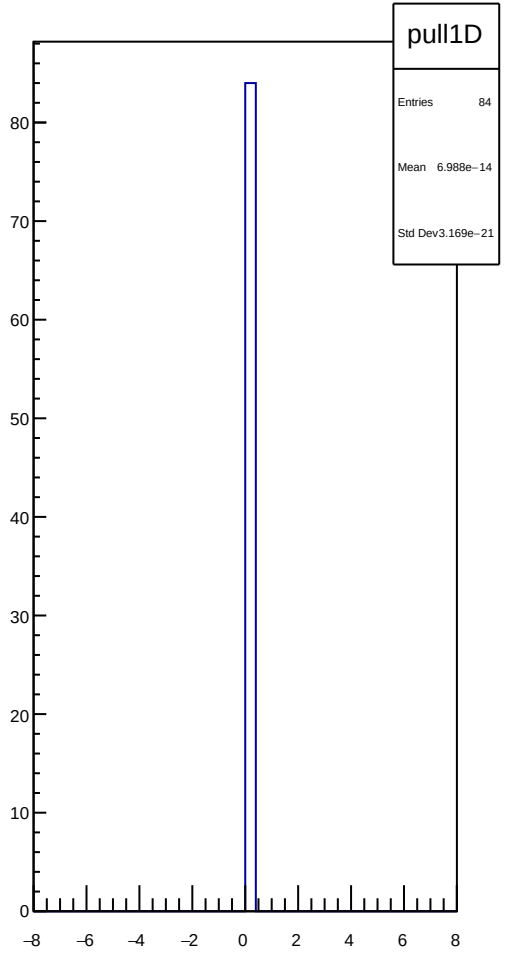

dit_atr1_4aX_slope vs run
χ² / ndf 0 / 83
p0 −53.7 ± 0.5987
−48
−50
−52
−54
−56
−58
−60
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

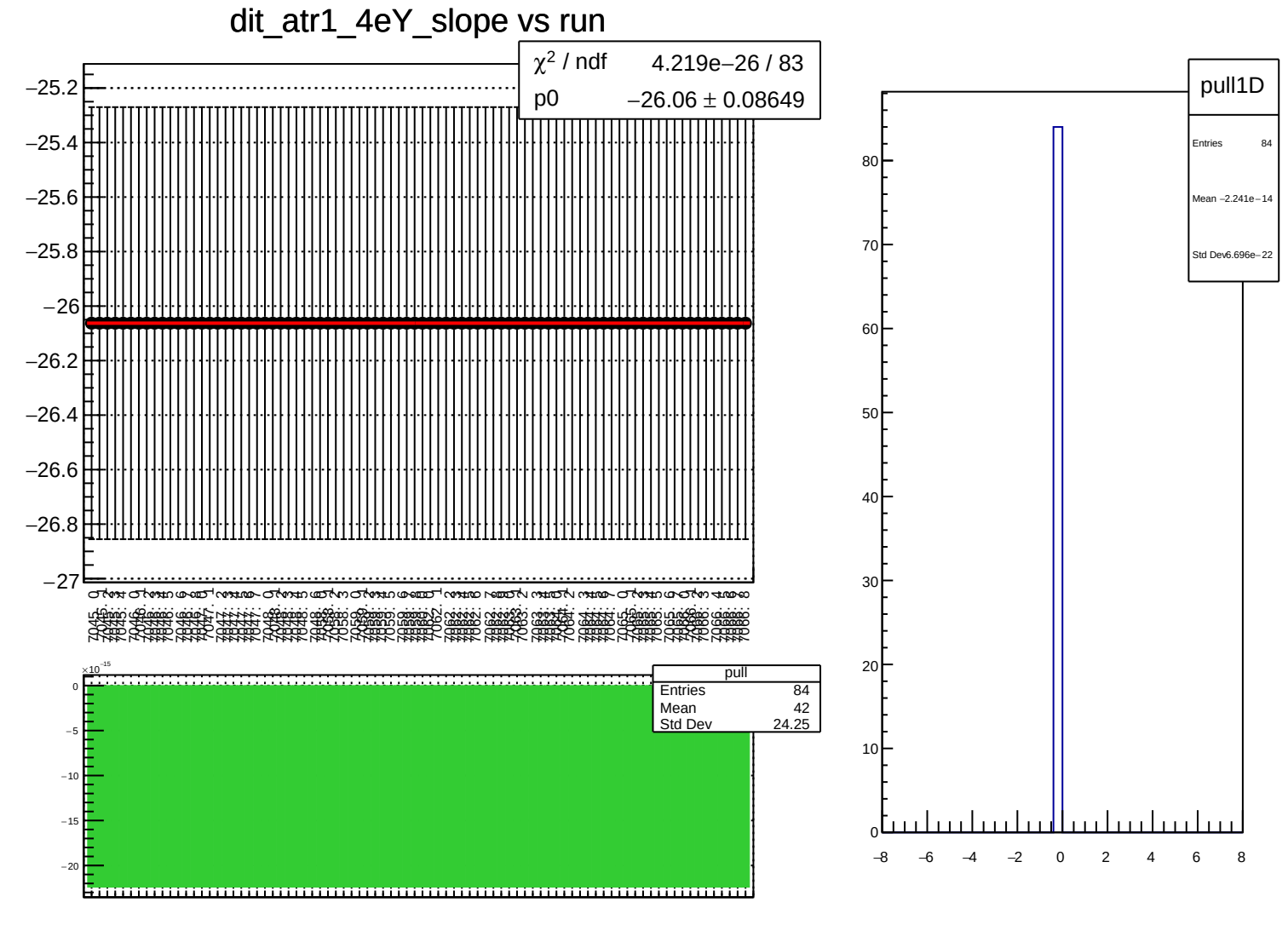

pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

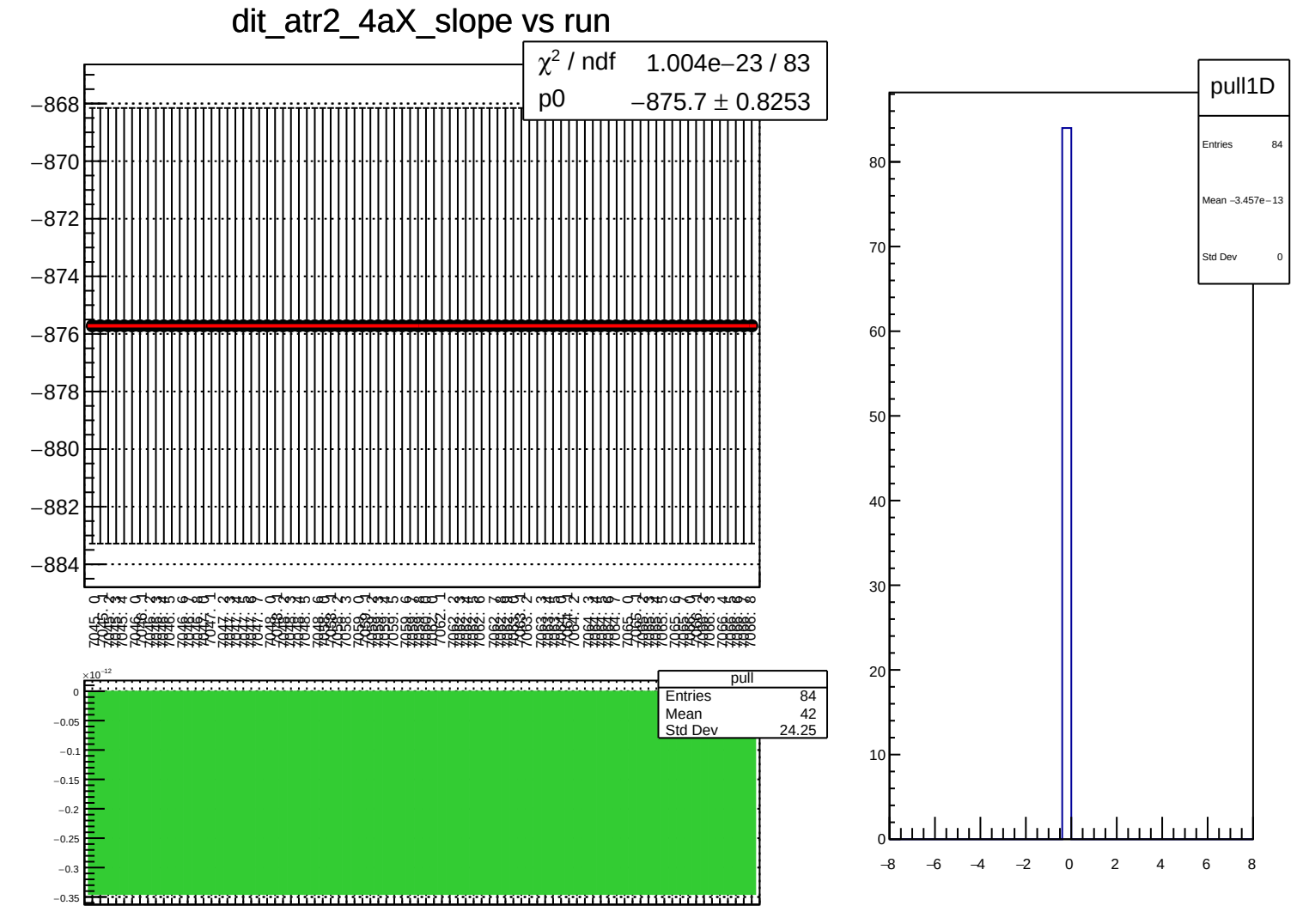

dit_atr1_4eX_slope vs run
χ² / ndf 8.545e−29 / 83
p0 −5.591 ± 0.4804
−2
−4
−6
−8
−10
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 84
Mean 1.009e−15
Std Dev4.772e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

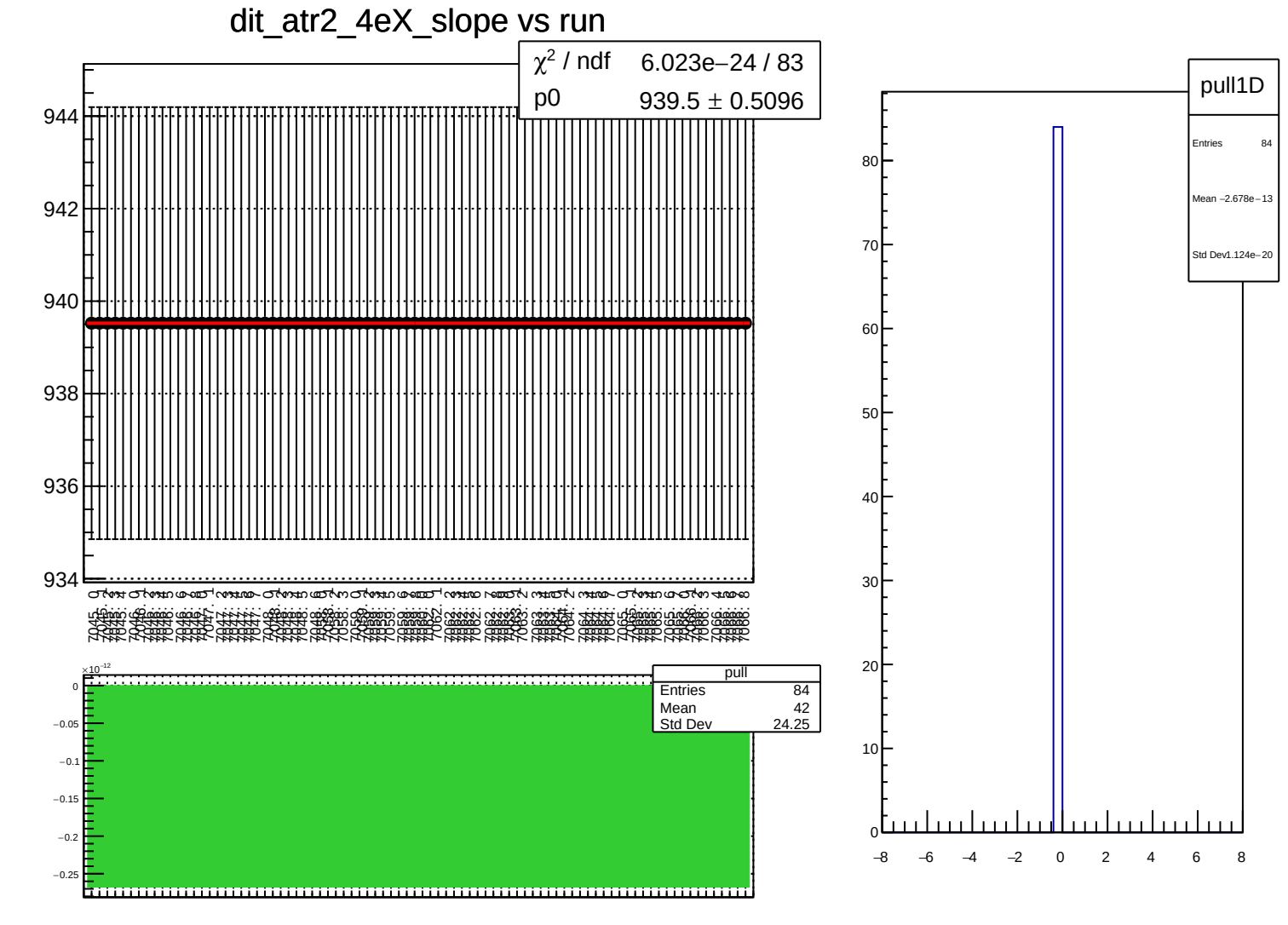

dit_atr1_11X12X_slope vs run
χ² / ndf 6.563e−26 / 83
p0 −14.42 ± 0.04854
−14
−14.2
−14.4
−14.6
−14.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 2.795e−14
Std Dev 1.16e−21

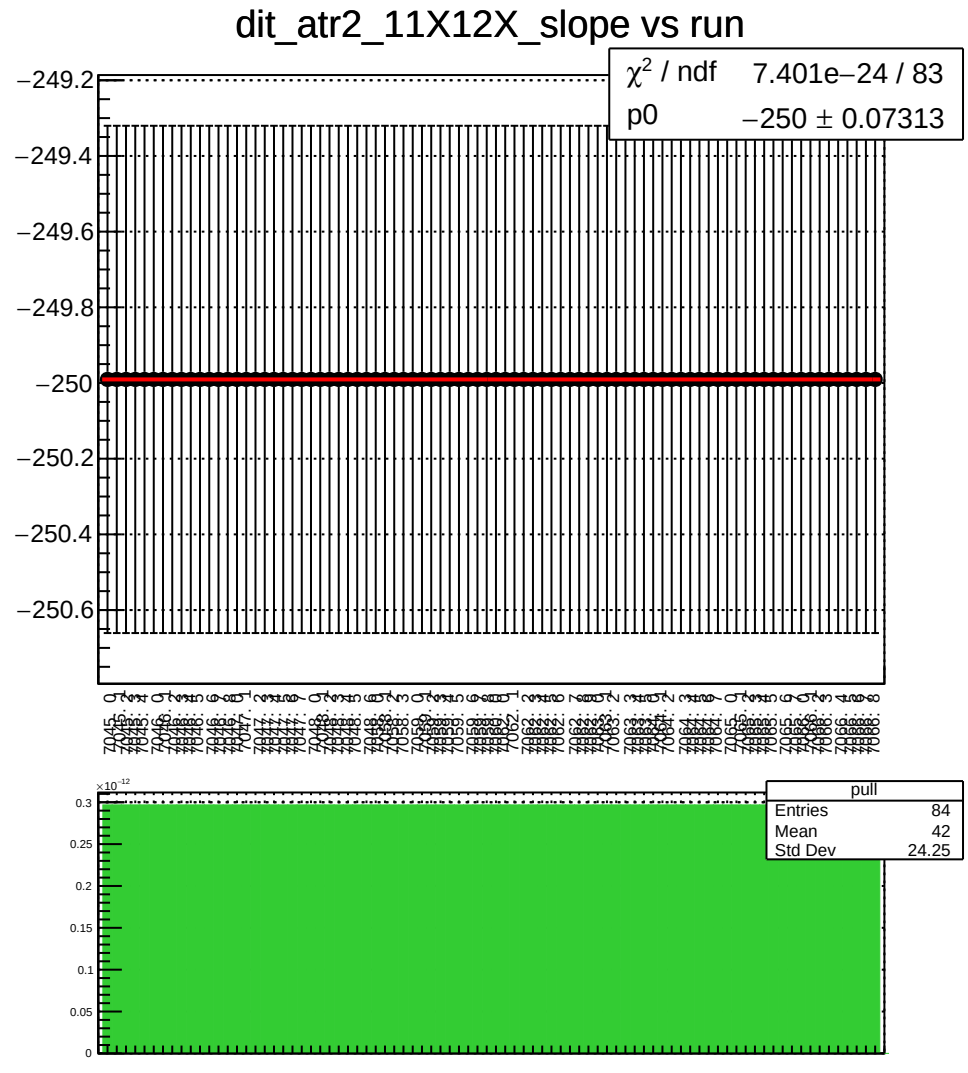

dit_atr1_4aY_slope vs run
χ² / ndf 4.102e−25 / 83
p0 15.79 ± 0.0527
16.2
16
15.8
15.6
15.4
×10⁻¹⁵
70
60
50
40
30
20
10
0
pull
Entries 84
Mean 42
Std Dev 24.25

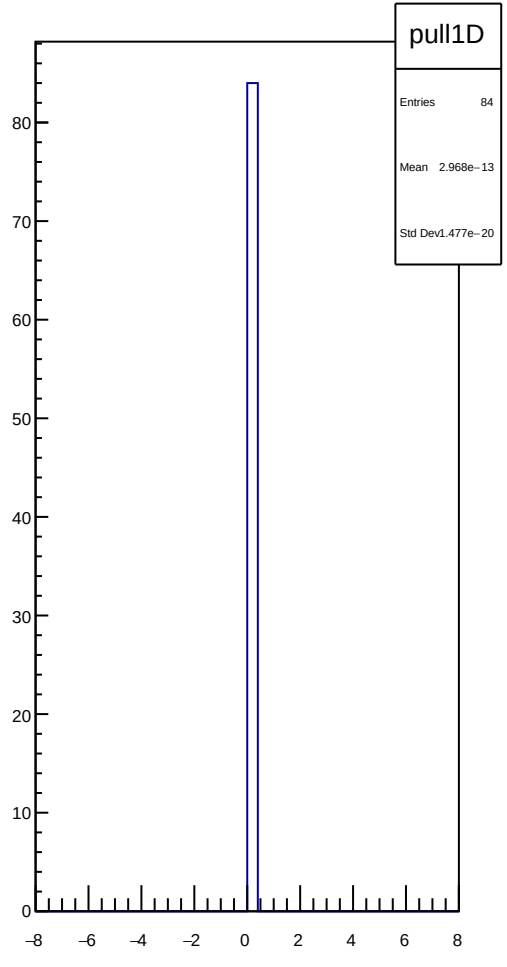

pull1D
Entries 84
Mean 6.988e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

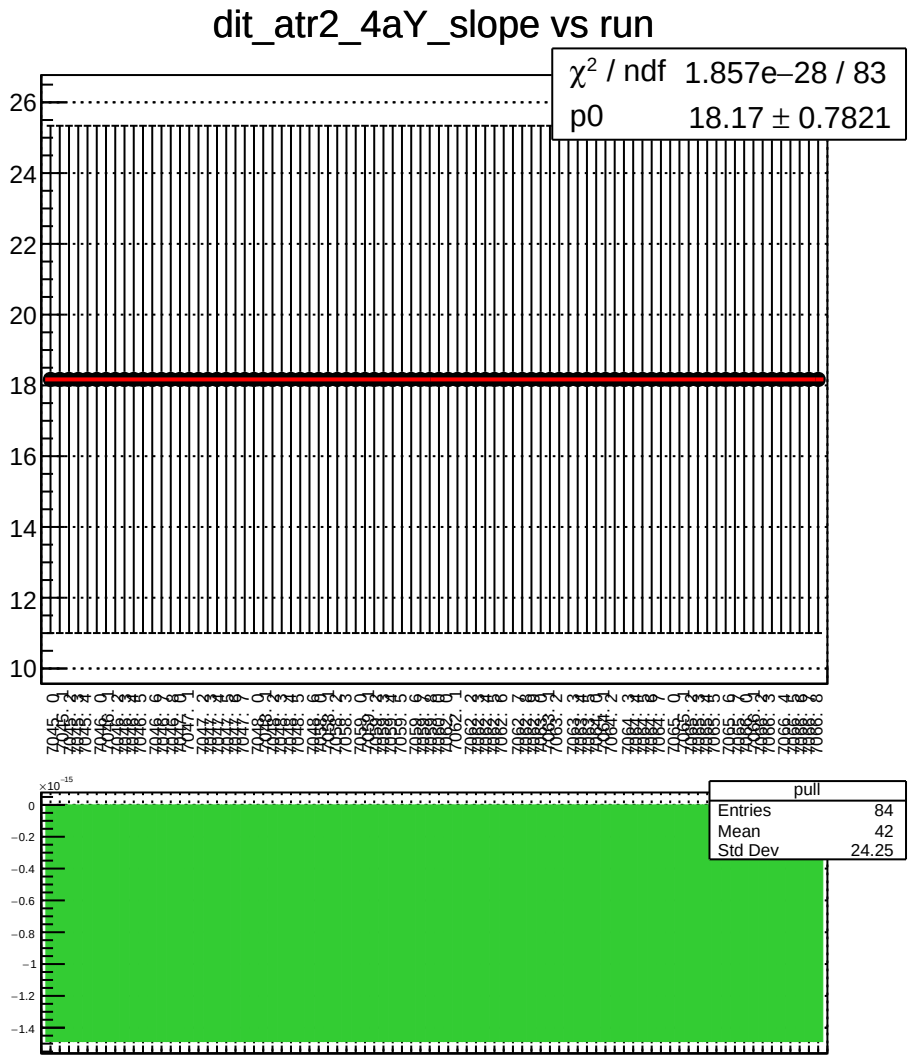

dit_atr1_4eY_slope vs run
χ² / ndf 4.219e−26 / 83
p0 −26.06 ± 0.08649
−25.2
−25.4
−25.6
−25.8
−26
−26.2
−26.4
−26.6
−26.8
−27
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 84
Mean −2.241e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

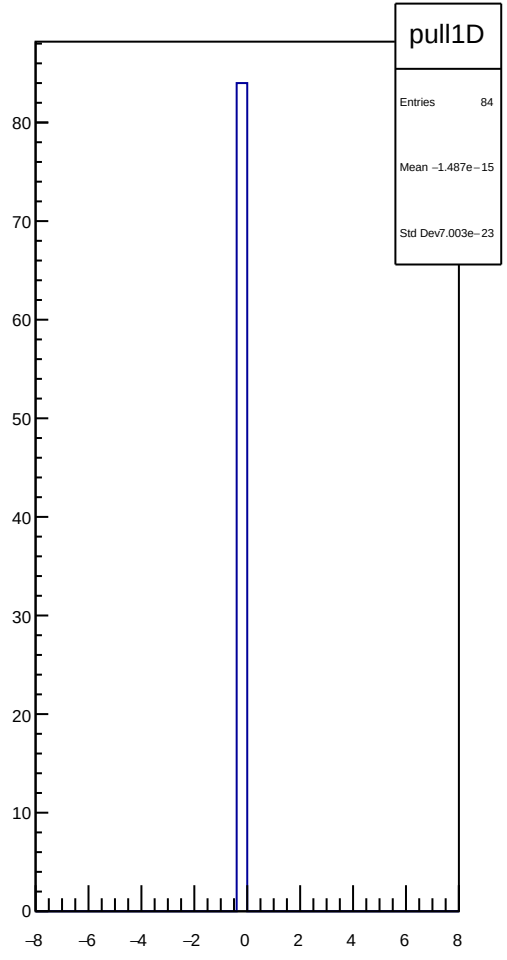

dit_atr2_4aX_slope vs run
χ² / ndf 1.004e−23 / 83
p0 −875.7 ± 0.8253
−868
−870
−872
−874
−876
−878
−880
−882
−884
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 84
Mean −3.457e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

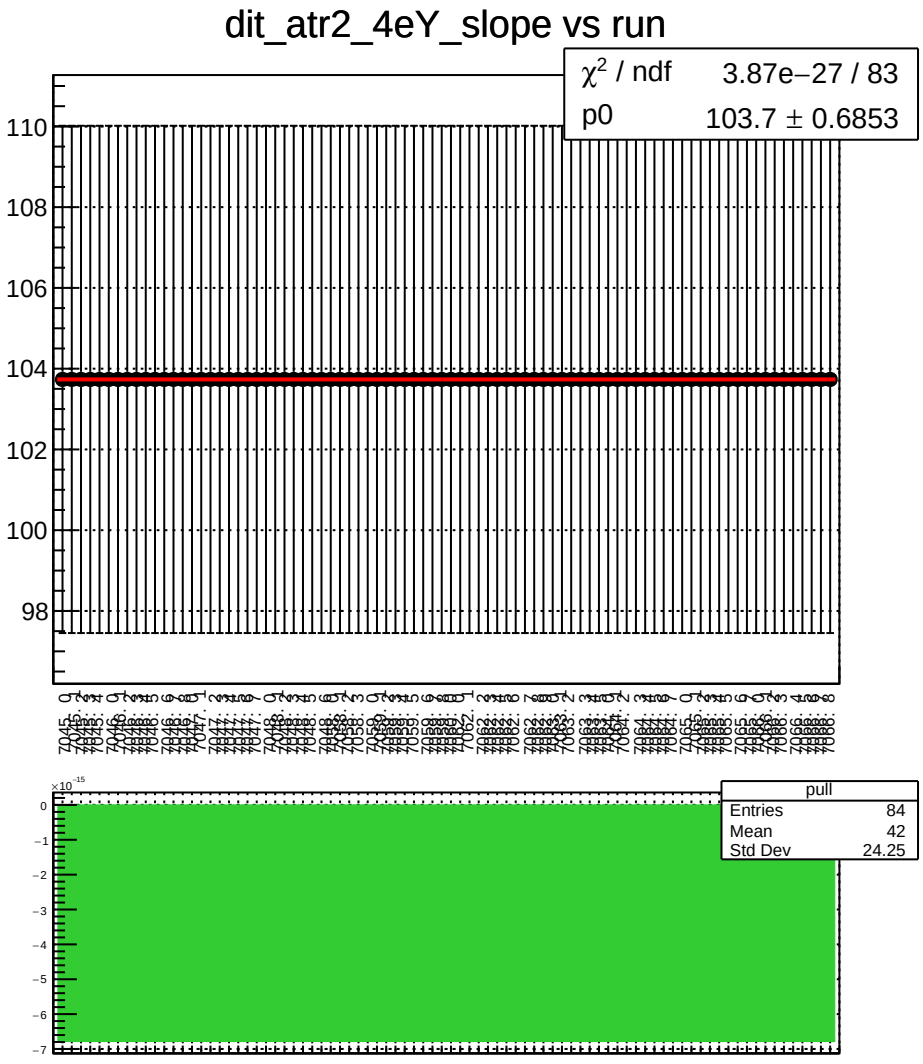

dit_atr2_4eX_slope vs run
χ² / ndf 6.023e−24 / 83
p0 939.5 ± 0.5096
944
942
940
938
936
934
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 84
Mean −2.678e−13
Std Dev1.124e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

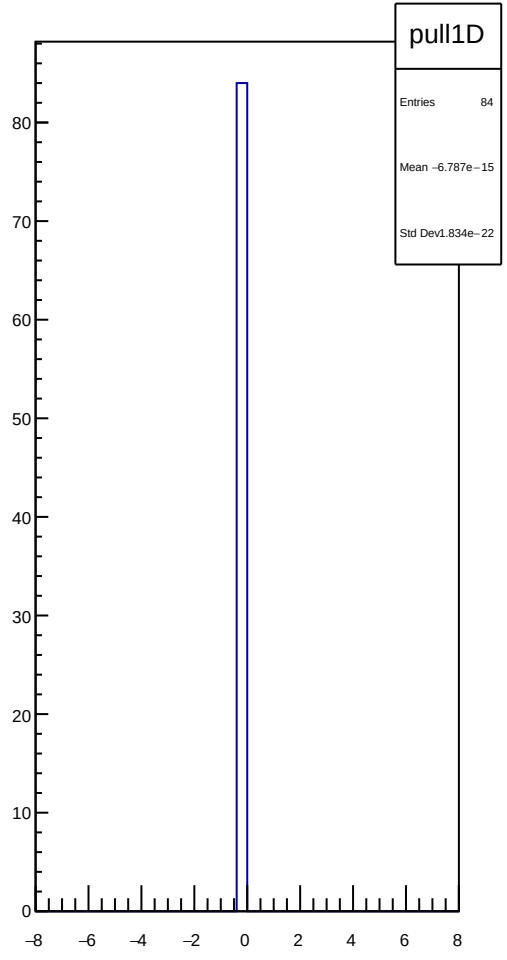

dit_atr2_11X12X_slope vs run
χ² / ndf 7.401e−24 / 83
p0 −250 ± 0.07313
−249.2
−249.4
−249.6
−249.8
−250
−250.2
−250.4
−250.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

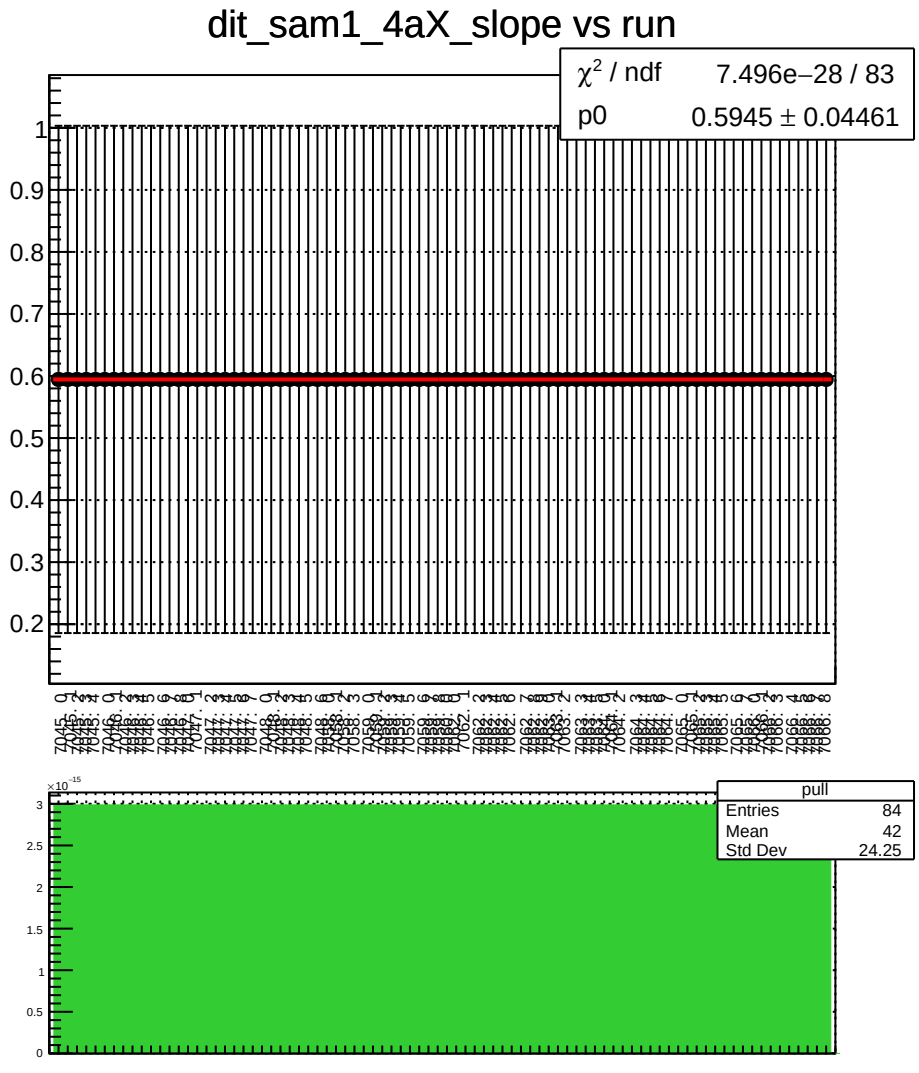

pull1D
Entries 84
Mean 2.968e−13
Std Dev1.477e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

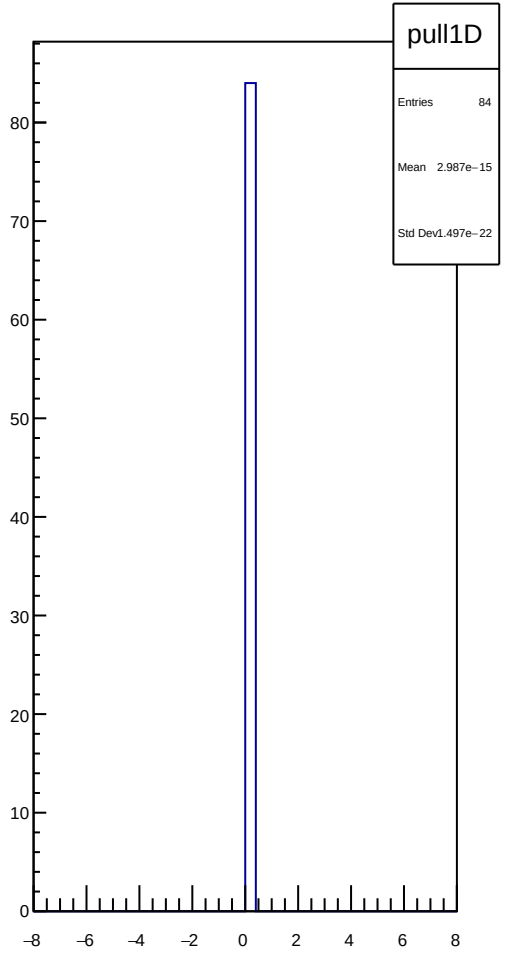

dit_atr2_4aY_slope vs run
χ² / ndf 1.857e−28 / 83
p0 18.17 ± 0.7821
pull
Entries 84
Mean 42
Std Dev 24.25

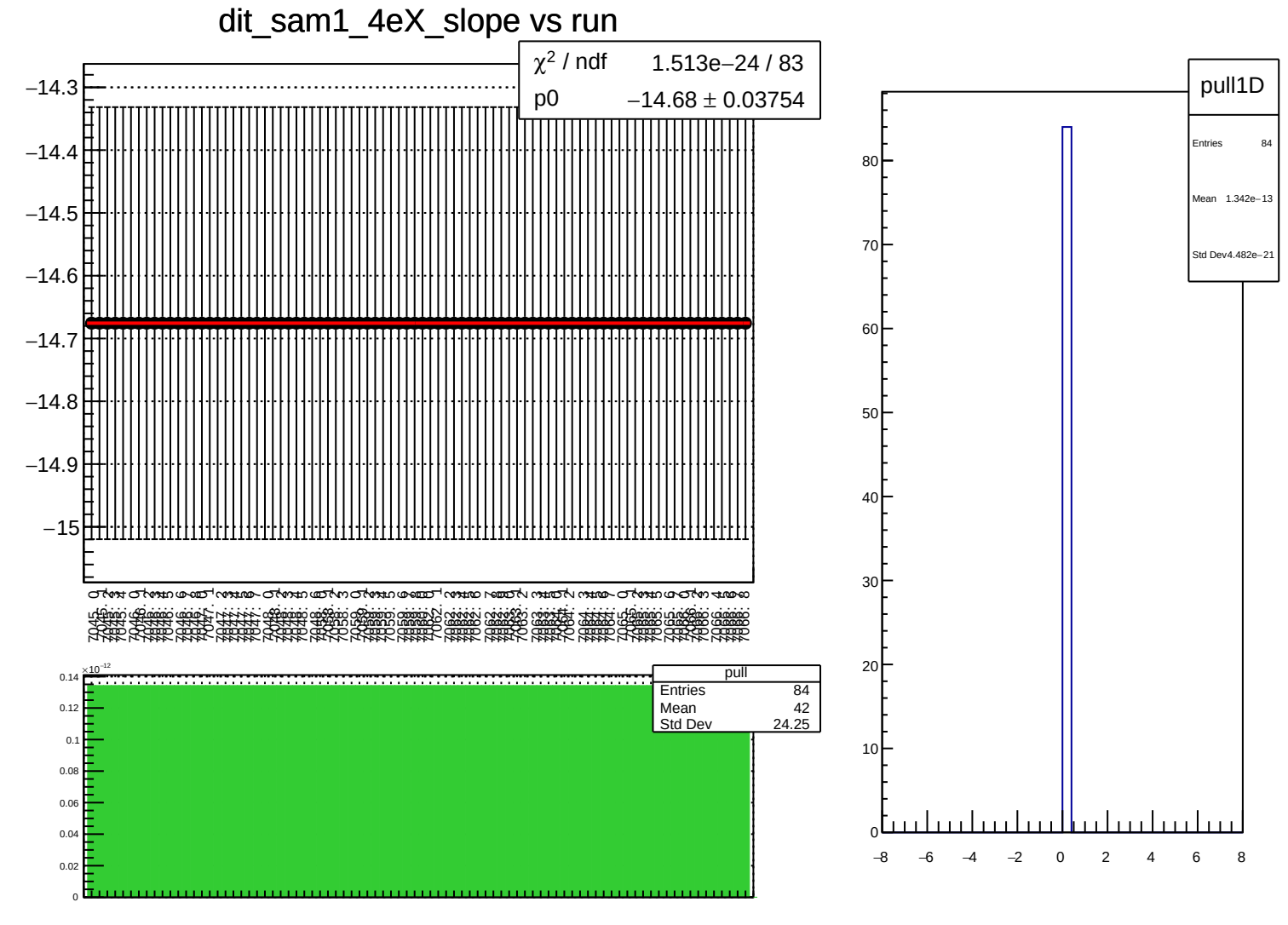

pull1D
Entries 84
Mean −1.487e−15
Std Dev7.003e−23

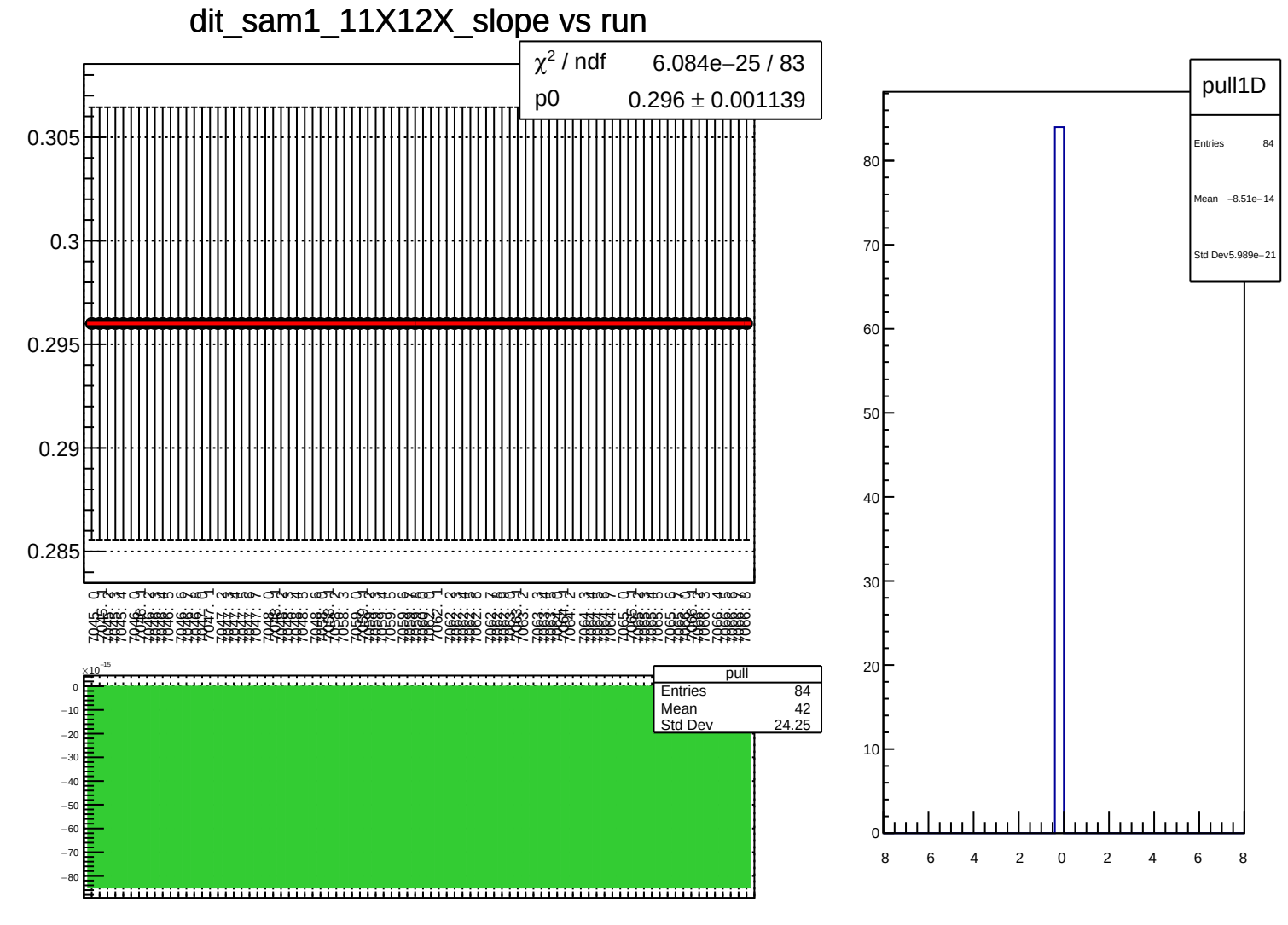

dit_atr2_4eY_slope vs run
χ^2 / ndf 3.87e−27 / 83
p0 103.7 ± 0.6853
110
108
106
104
102
100
98
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

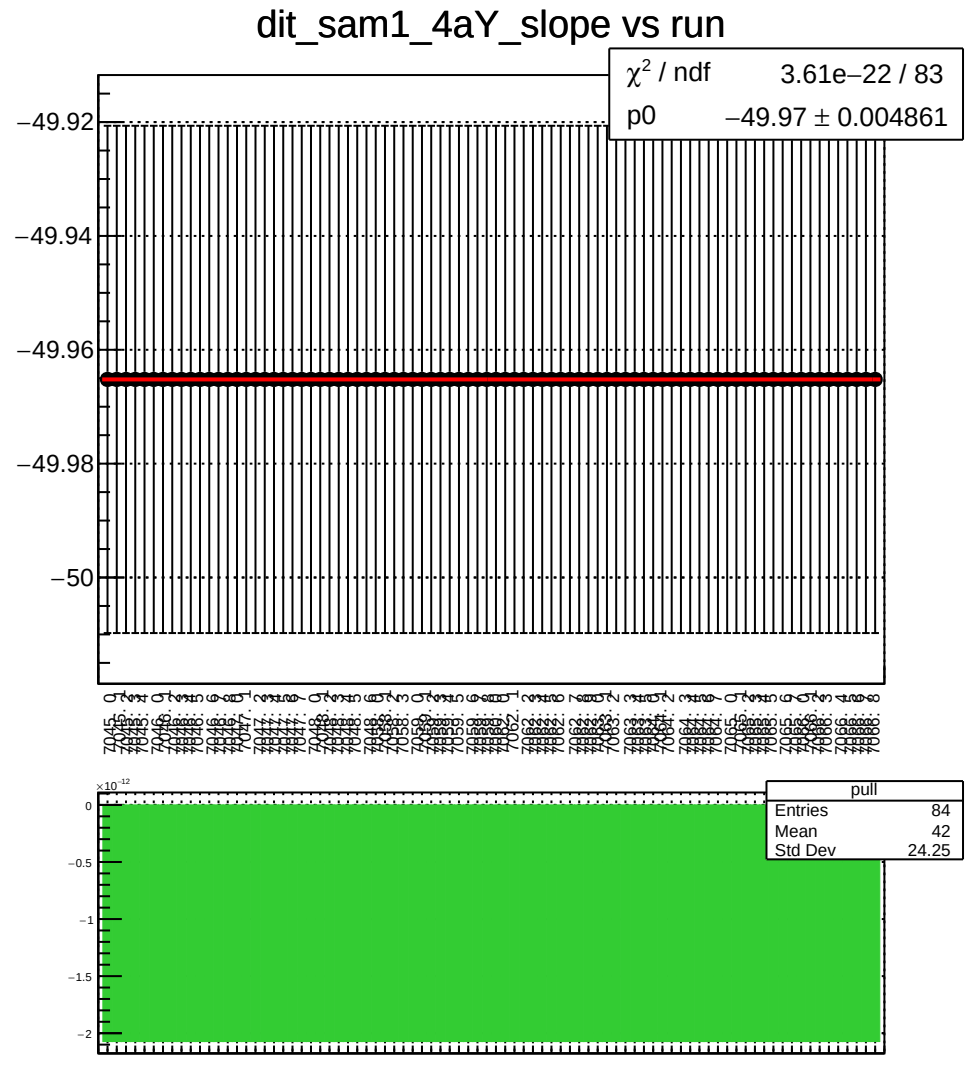

pull1D
Entries 84
Mean −6.787e−15
Std Dev1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

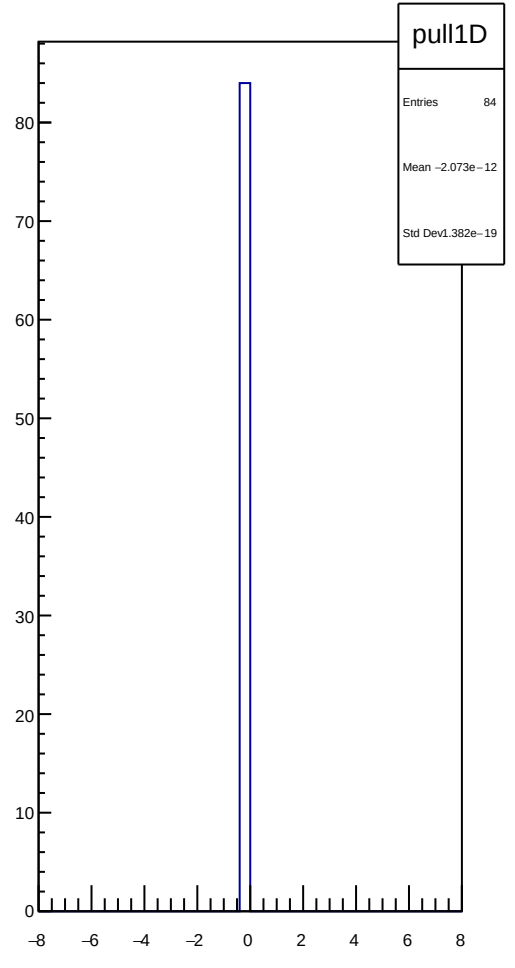

dit_sam1_4aX_slope vs run
χ² / ndf 7.496e−28 / 83
p0 0.5945 ± 0.04461
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

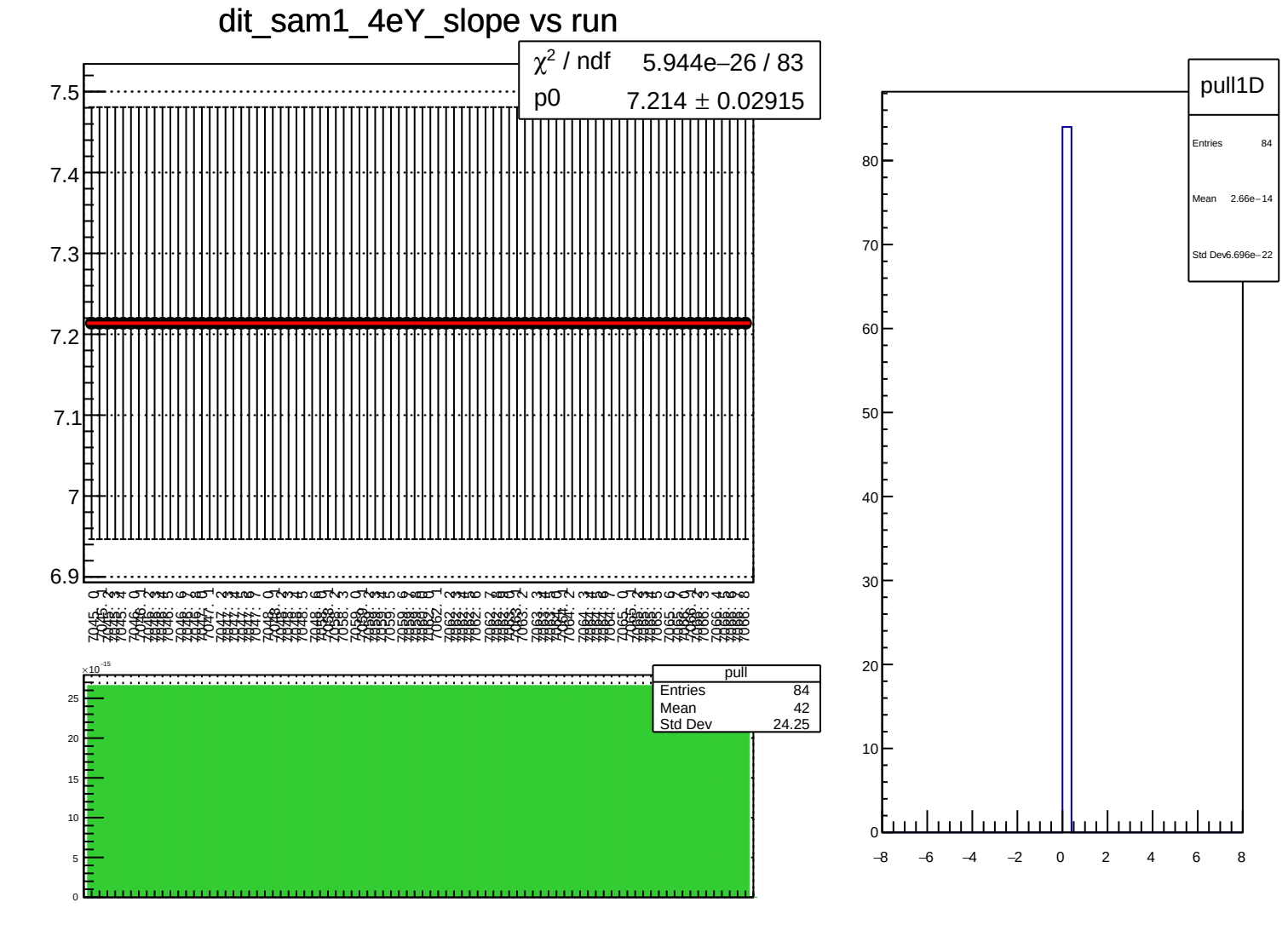

pull1D
Entries 84
Mean 2.987e−15
Std Dev1.497e−22

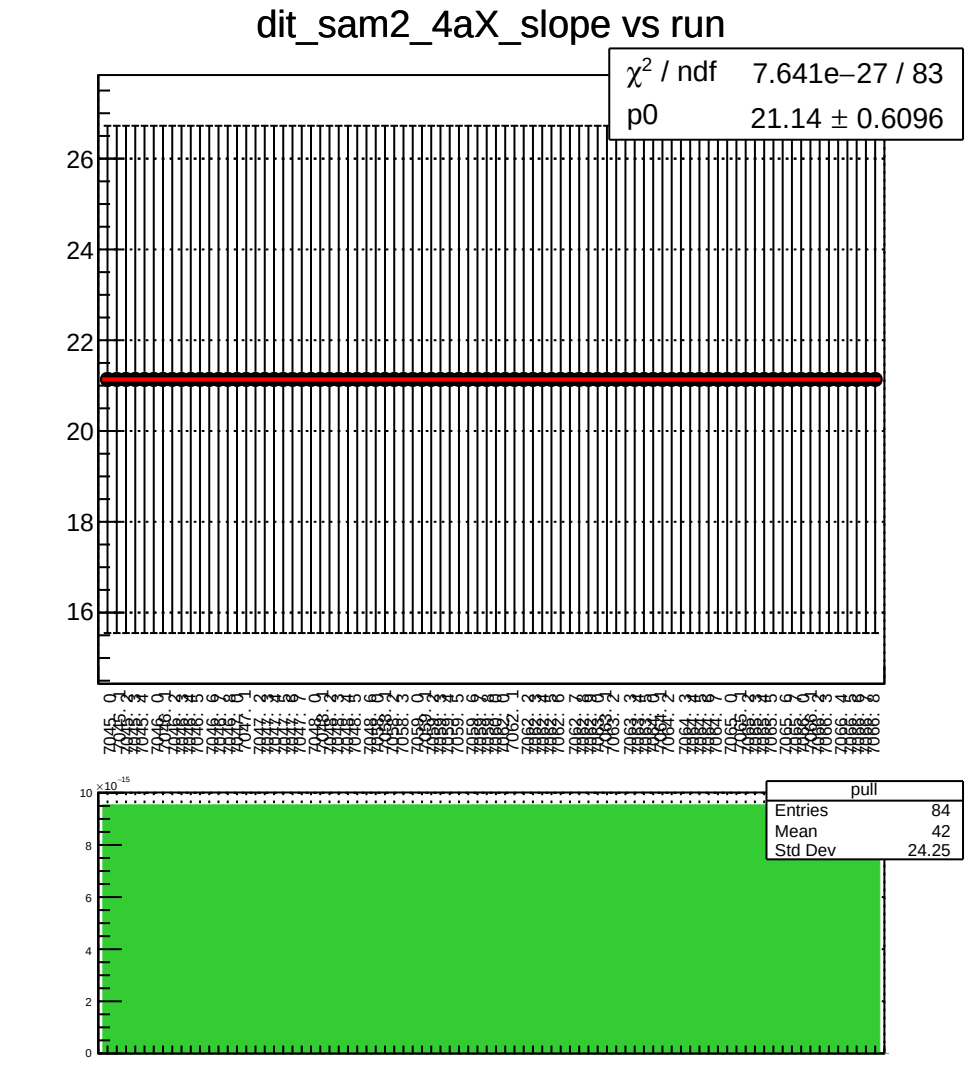

dit_sam1_4eX_slope vs run
χ² / ndf 1.513e−24 / 83
p0 −14.68 ± 0.03754
−14.3
−14.4
−14.5
−14.6
−14.7
−14.8
−14.9
−15
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 84
Mean 1.342e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

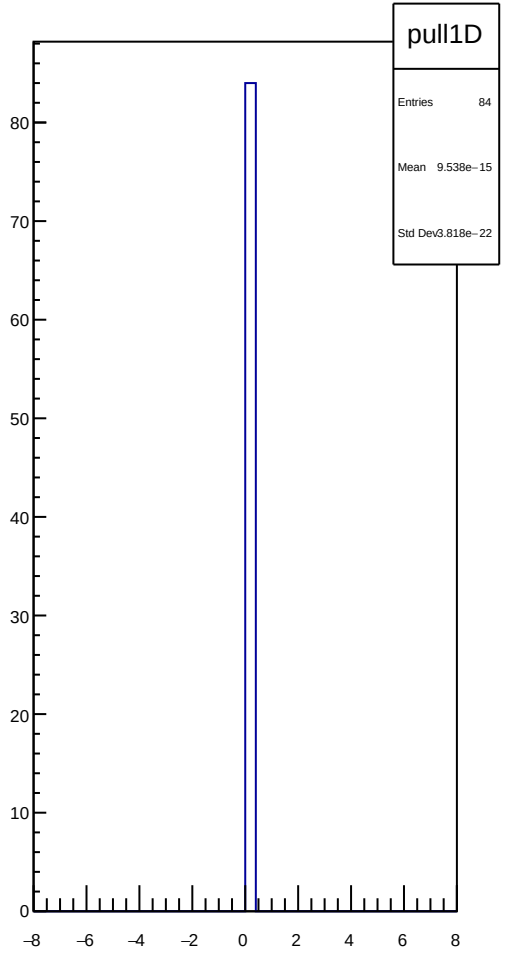

dit_sam1_11X12X_slope vs run
χ² / ndf 6.084e−25 / 83
p0 0.296 ± 0.001139
0.305
0.3
0.295
0.29
0.285
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 84
Mean −8.51e−14
Std Dev5.989e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

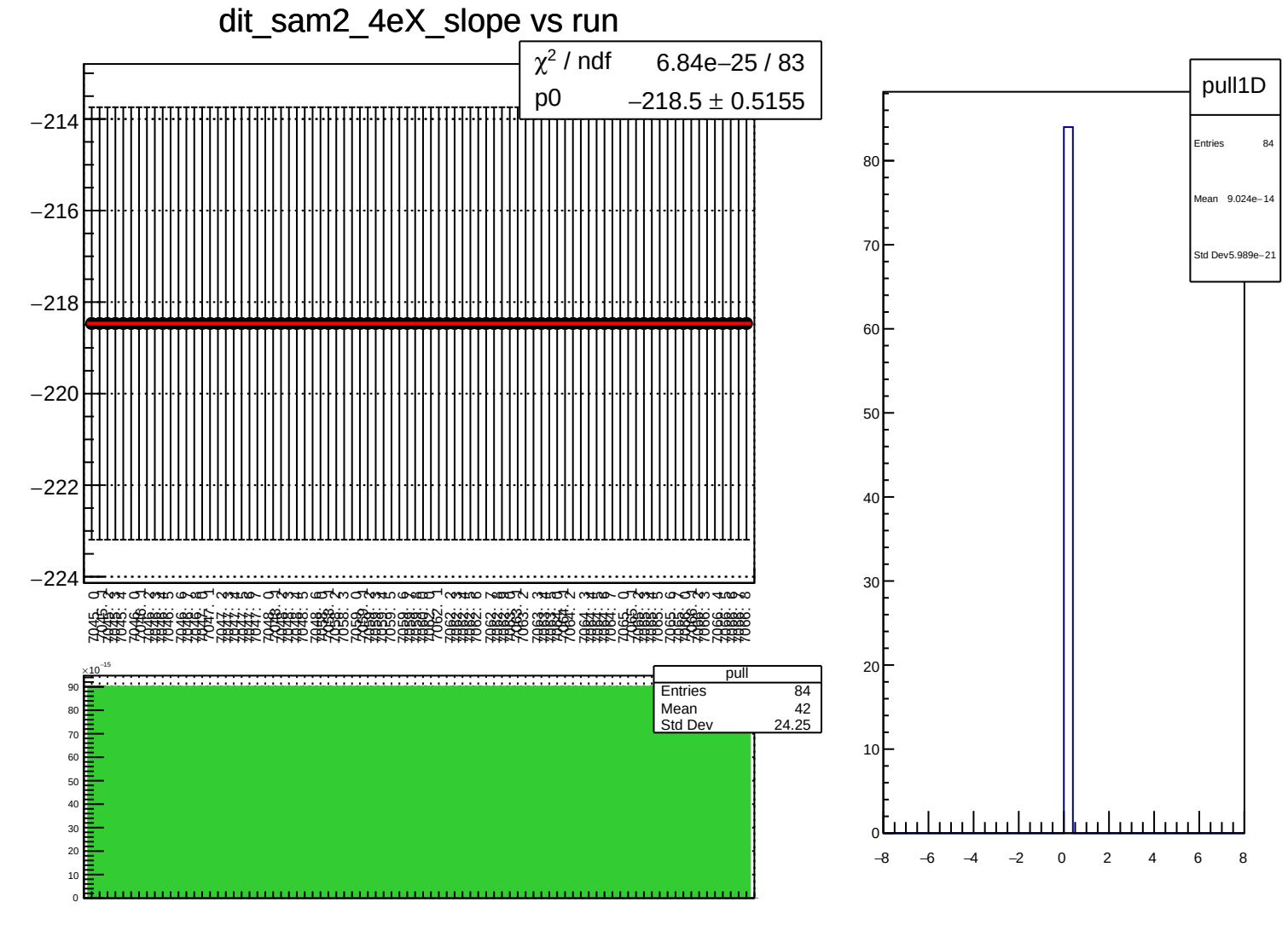

dit_sam1_4aY_slope vs run
χ² / ndf 3.61e−22 / 83
p0 −49.97 ± 0.004861
−49.92
−49.94
−49.96
−49.98
−50
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.5
−1
−1.5
−2

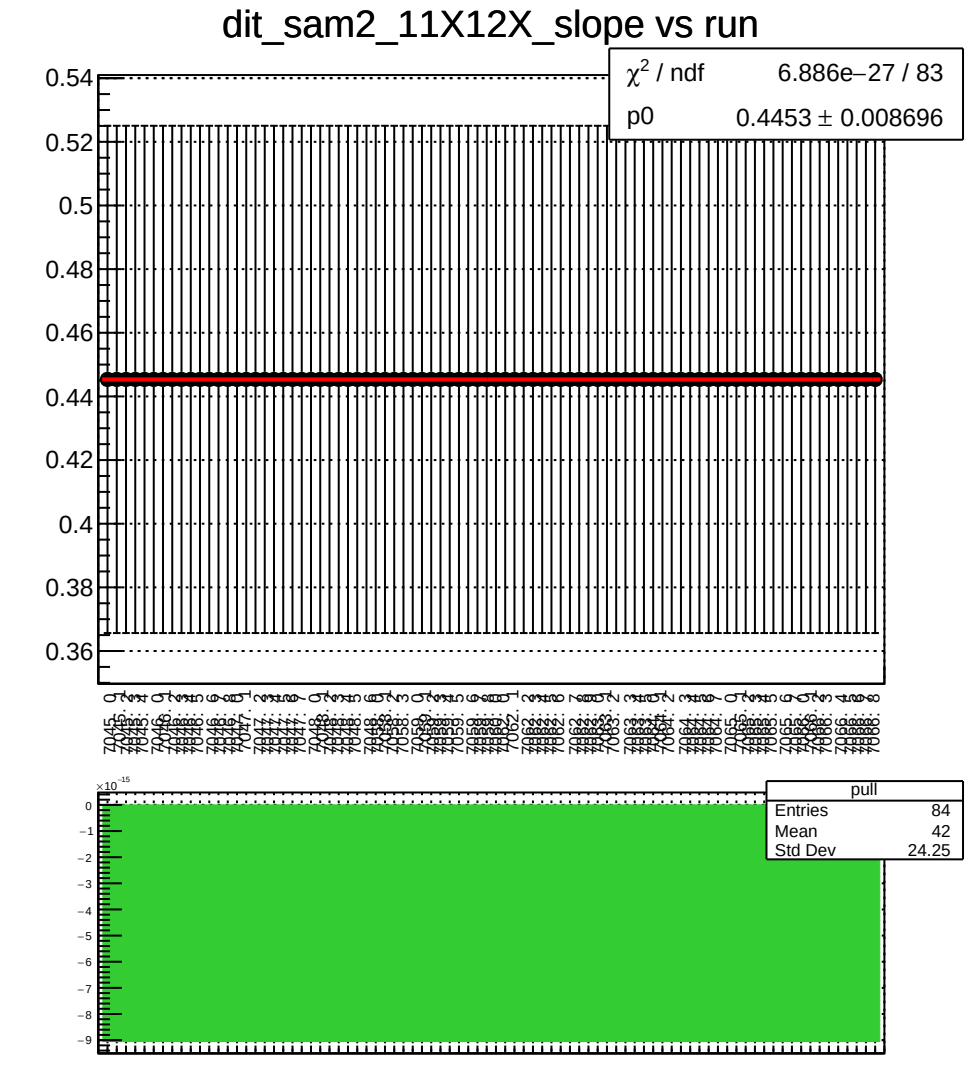

pull1D
Entries 84
Mean −2.073e−12
Std Dev1.382e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

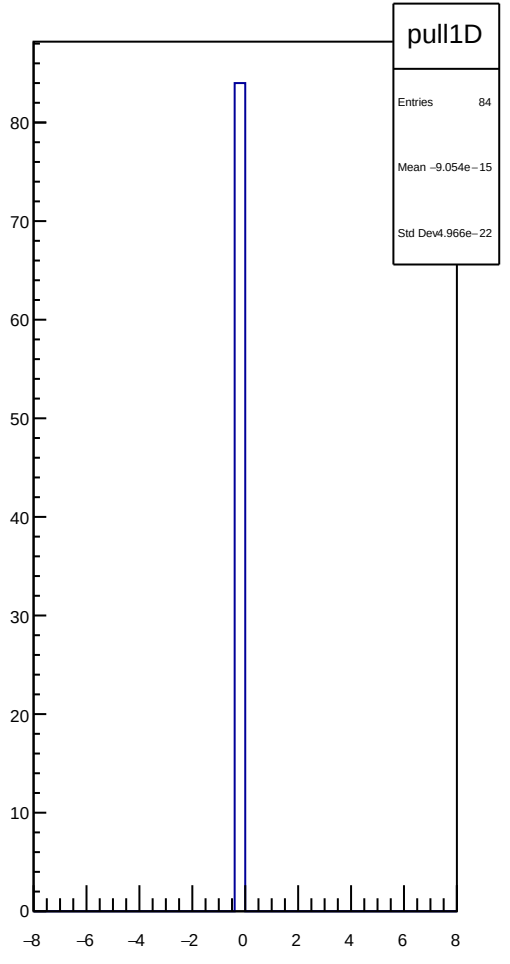

dit_sam1_4eY_slope vs run
χ² / ndf 5.944e−26 / 83
p0 7.214 ± 0.02915
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 2.66e−14
Std Dev 6.696e−22

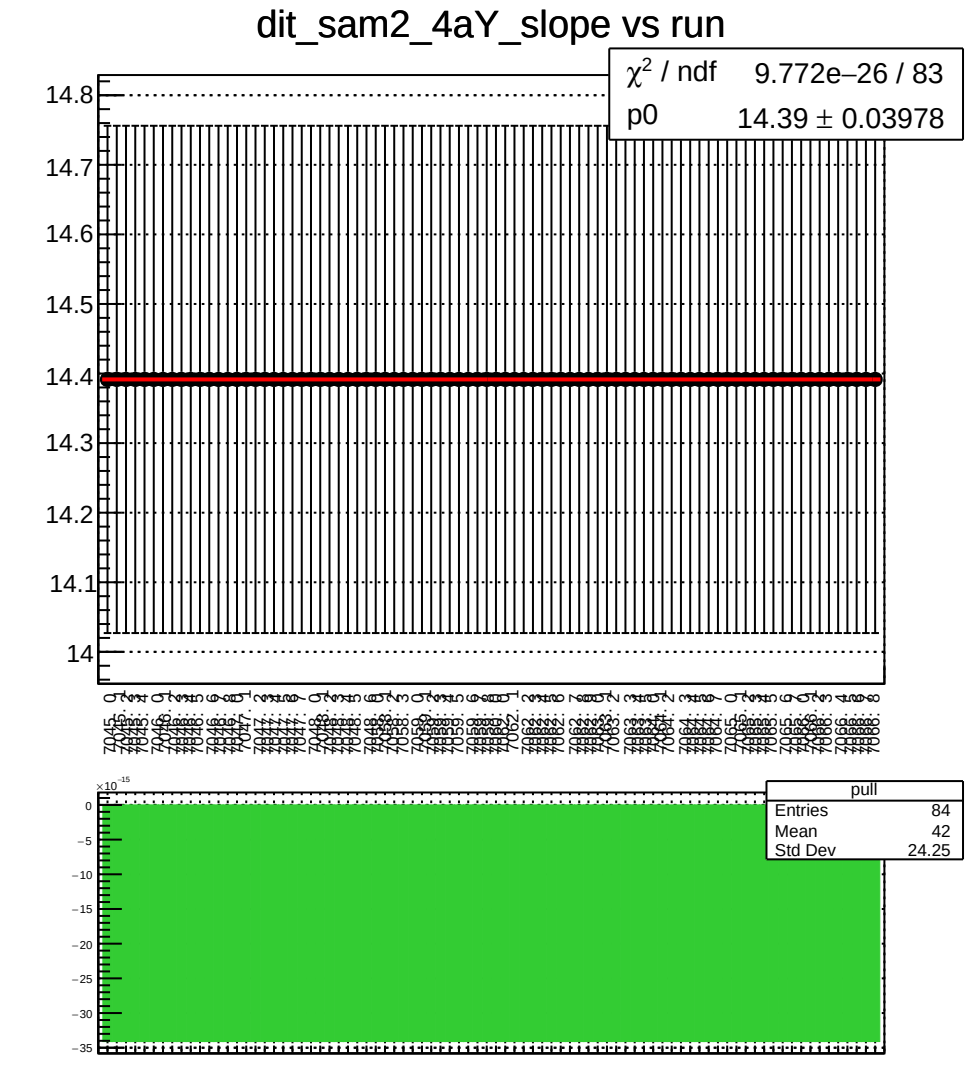

dit_sam2_4aX_slope vs run
χ² / ndf 7.641e−27 / 83
p0 21.14 ± 0.6096
26
24
22
20
18
16
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
10
8
6
4
2
0

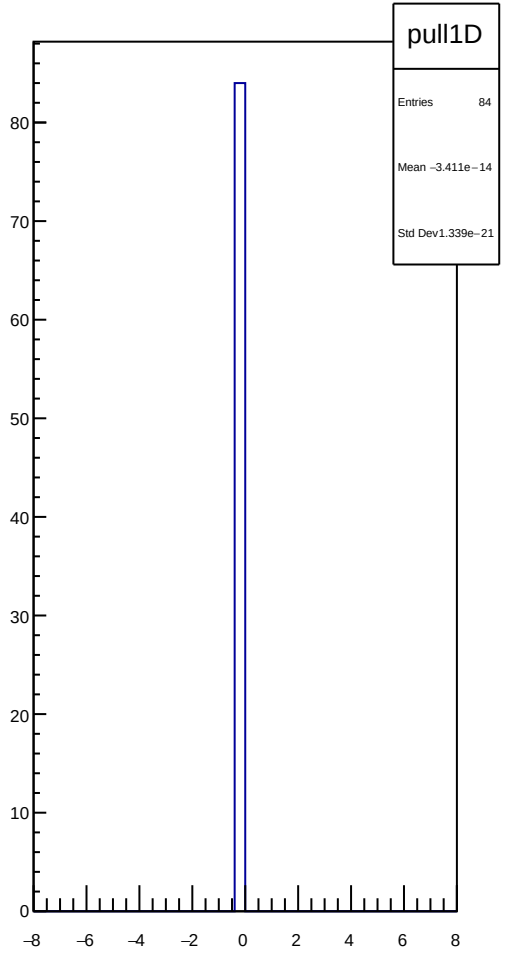

pull1D
Entries 84
Mean 9.538e−15
Std Dev 3.818e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

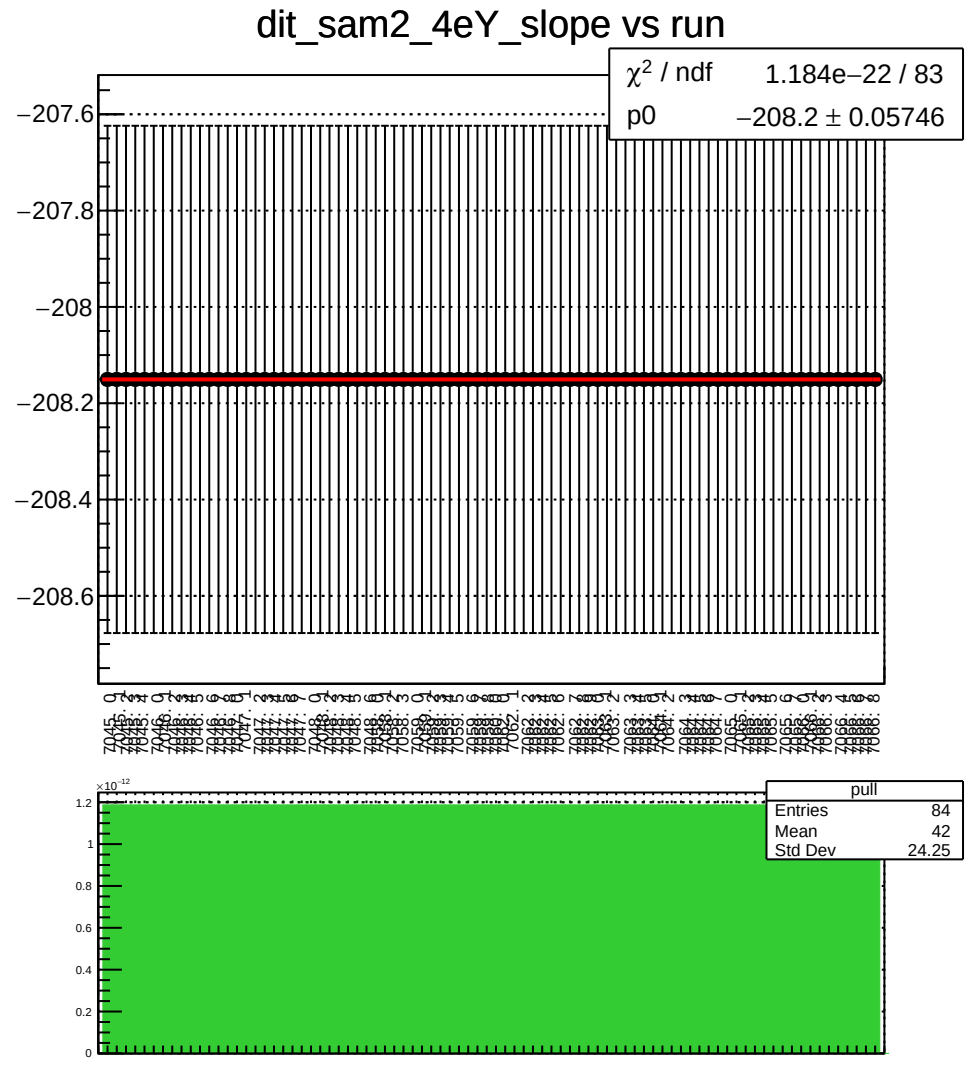

dit_sam2_4eX_slope vs run
χ² / ndf 6.84e−25 / 83
p0 −218.5 ± 0.5155
−214
−216
−218
−220
−222
−224
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 9.024e−14
Std Dev5.989e−21

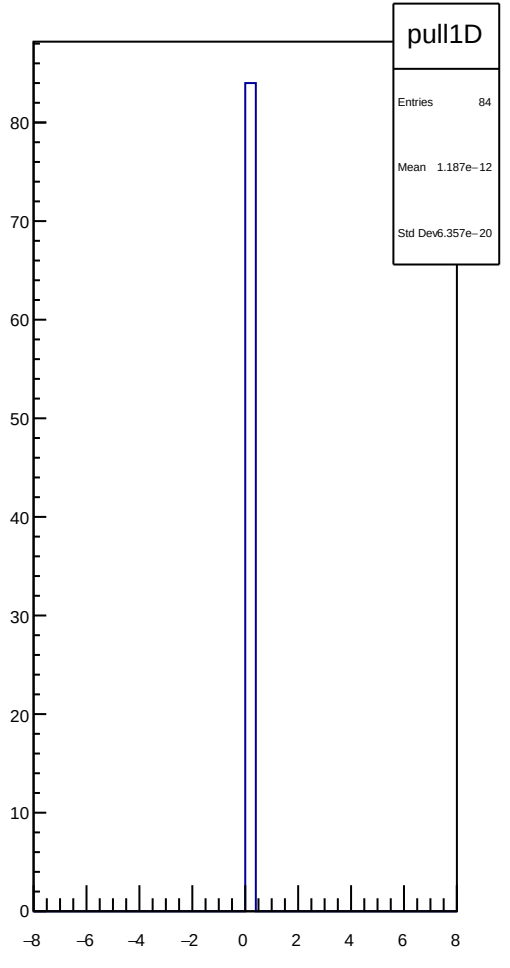

dit_sam2_11X12X_slope vs run
χ² / ndf 6.886e−27 / 83
p0 0.4453 ± 0.008696
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9

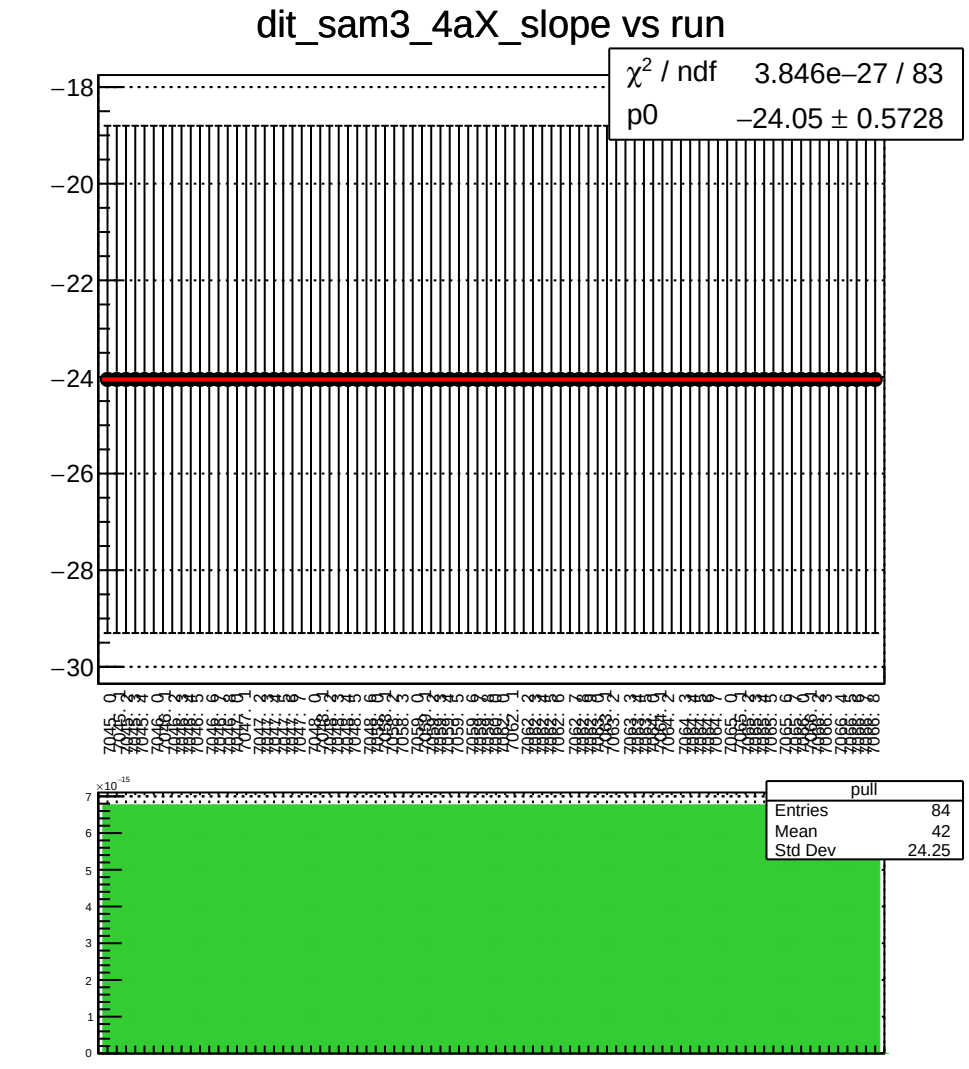

pull1D
Entries 84
Mean −9.054e−15
Std Dev 4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

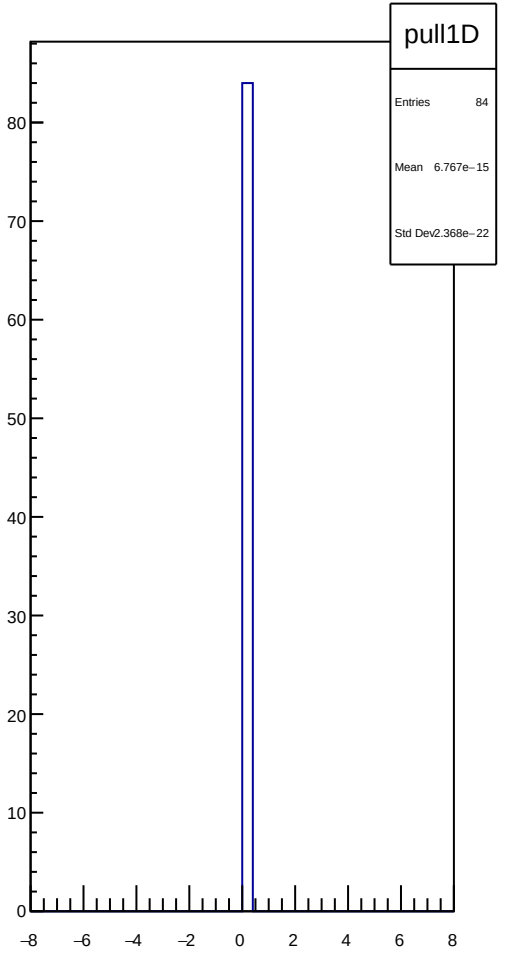

dit_sam2_4aY_slope vs run
χ² / ndf 9.772e−26 / 83
p0 14.39 ± 0.03978
14.8
14.7
14.6
14.5
14.4
14.3
14.2
14.1
14
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

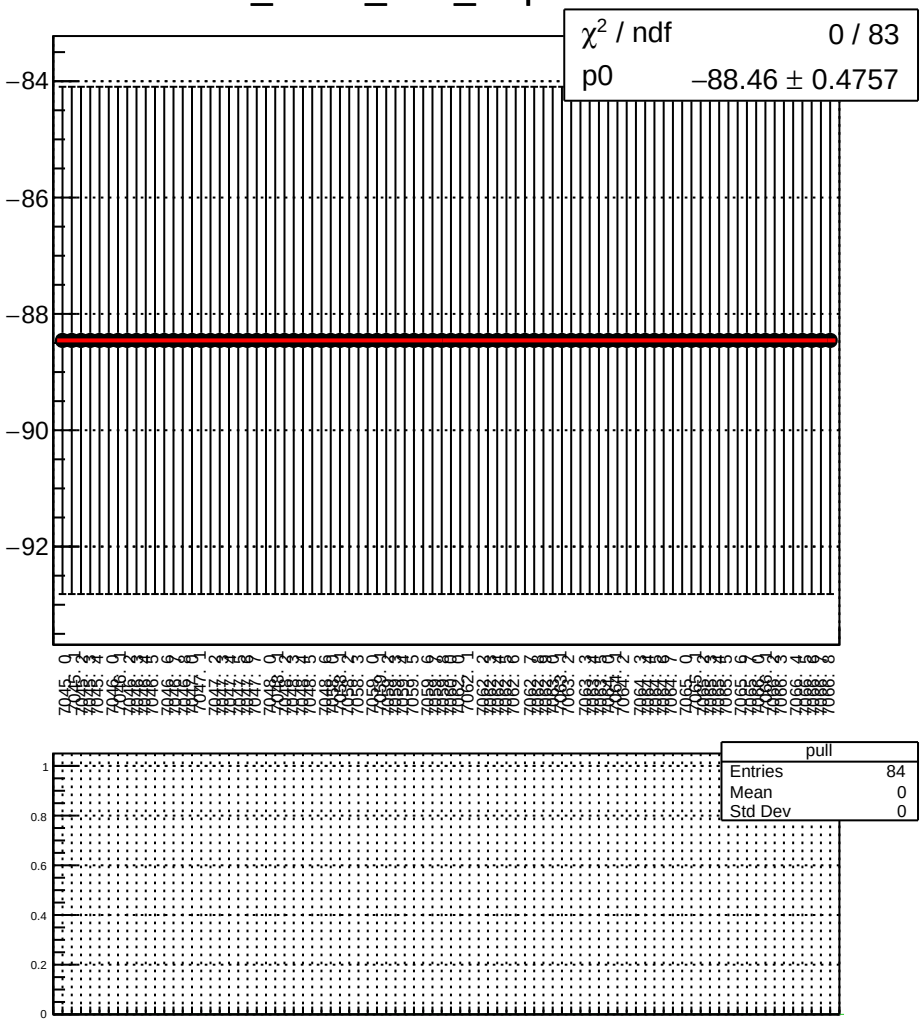

pull1D
Entries 84
Mean −3.411e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

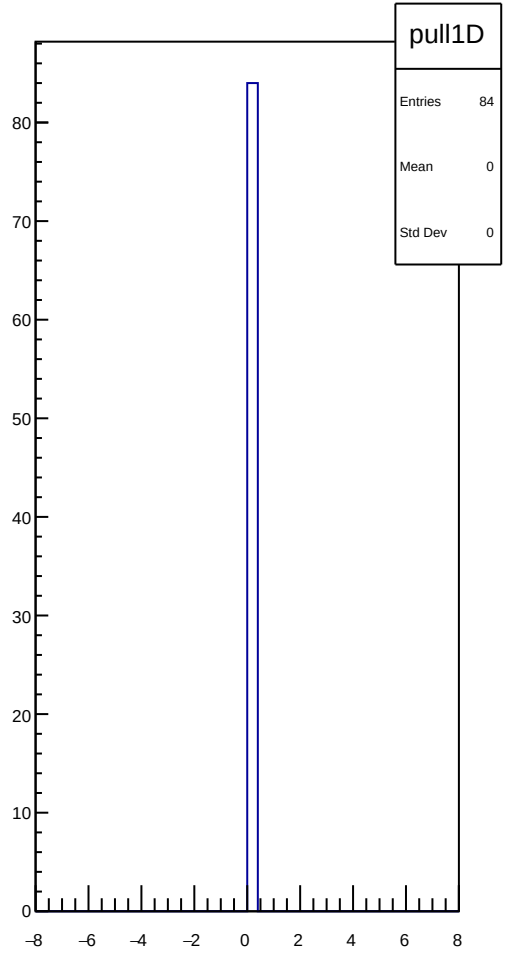

dit_sam2_4eY_slope vs run
χ² / ndf 1.184e−22 / 83
p0 −208.2 ± 0.05746
−207.6
−207.8
−208
−208.2
−208.4
−208.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
1.2
1
0.8
0.6
0.4
0.2
0

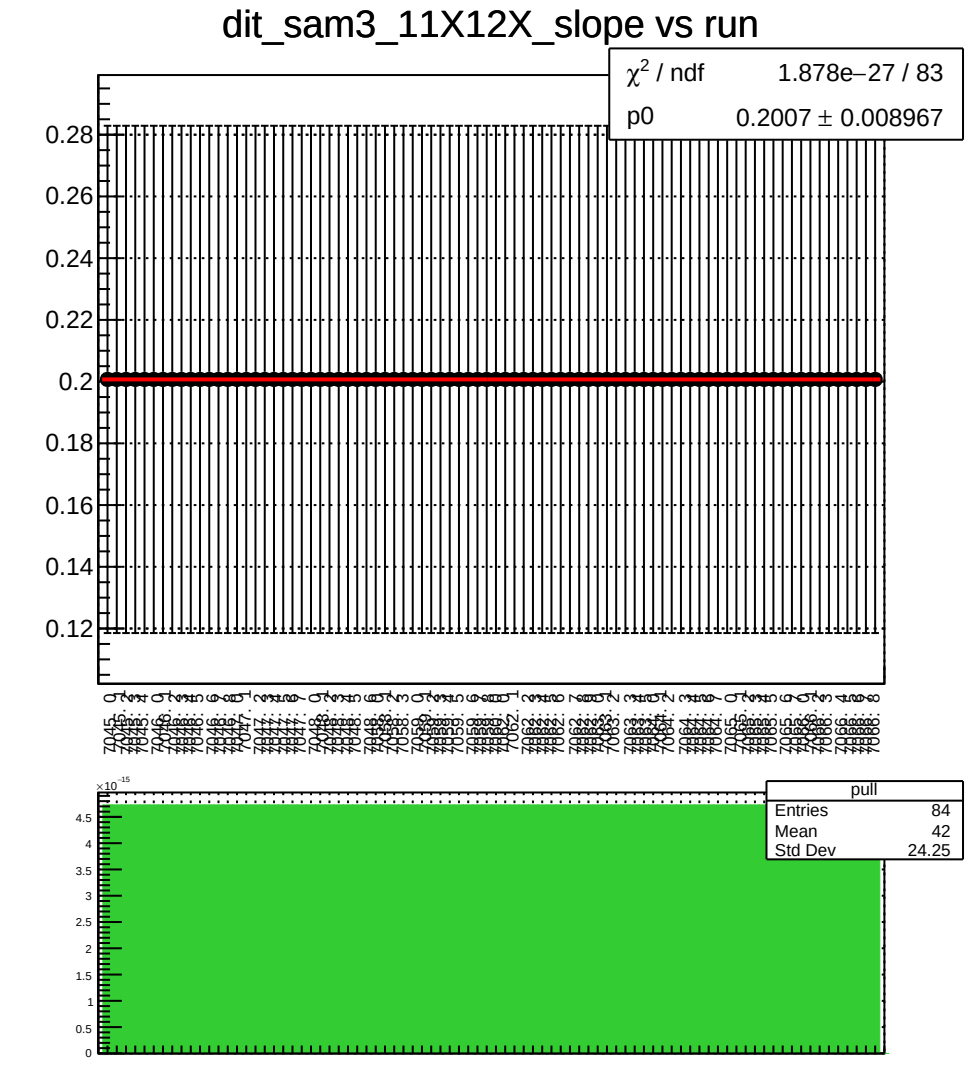

pull1D
Entries 84
Mean 1.187e−12
Std Dev 6.357e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

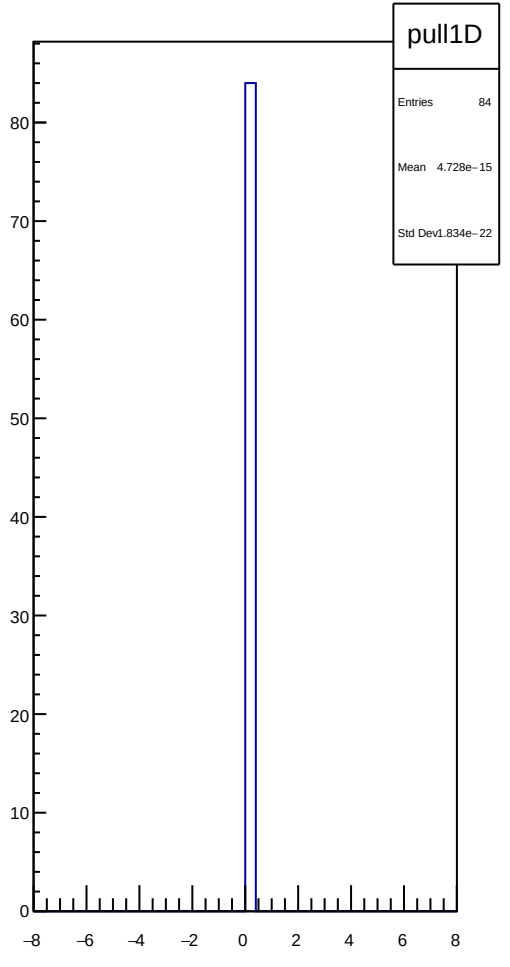

dit_sam3_4aX_slope vs run
χ² / ndf 3.846e−27 / 83
p0 −24.05 ± 0.5728
pull
Entries 84
Mean 42
Std Dev 24.25

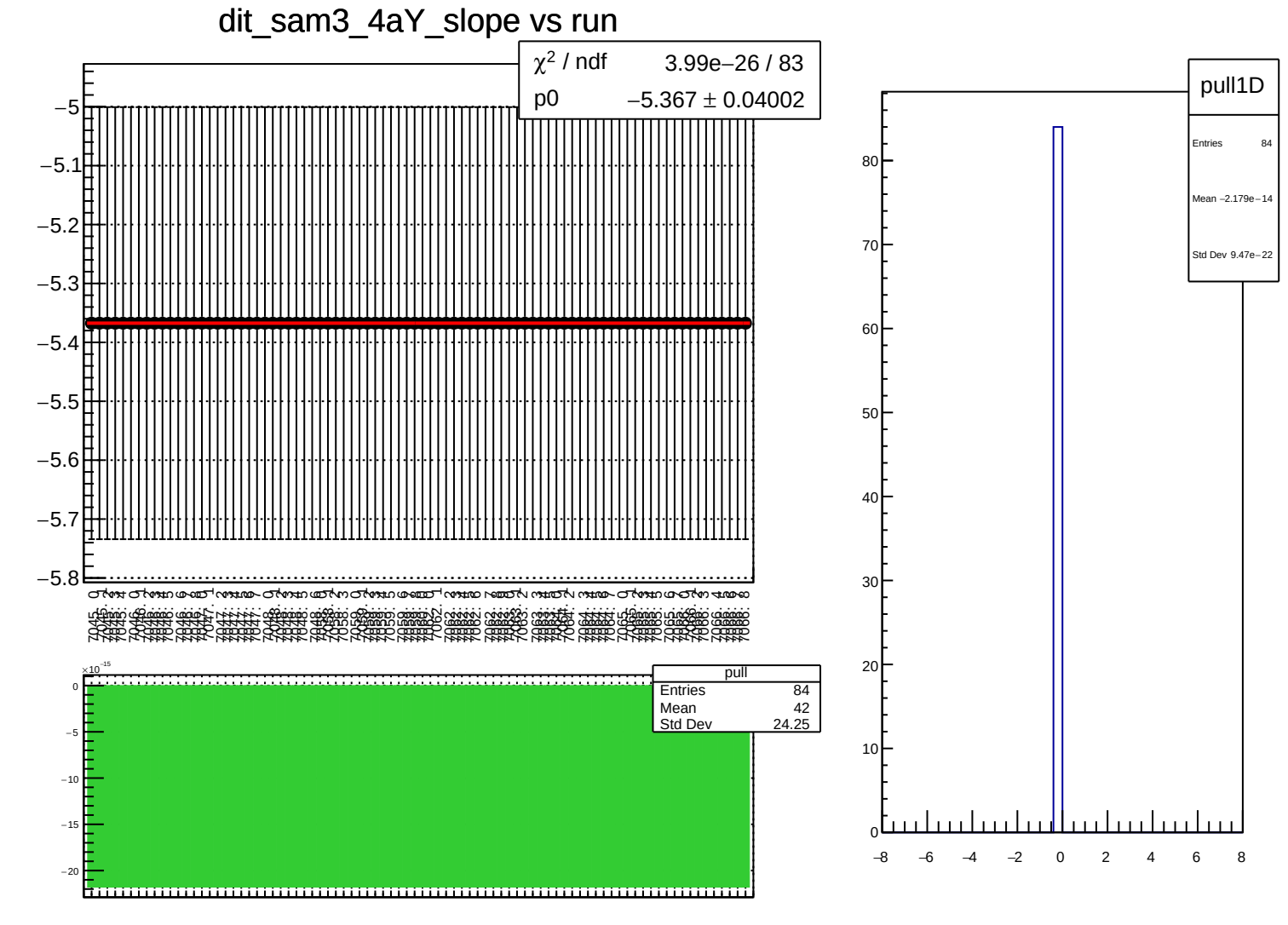

pull1D
Entries 84
Mean 6.767e−15
Std Dev 2.368e−22

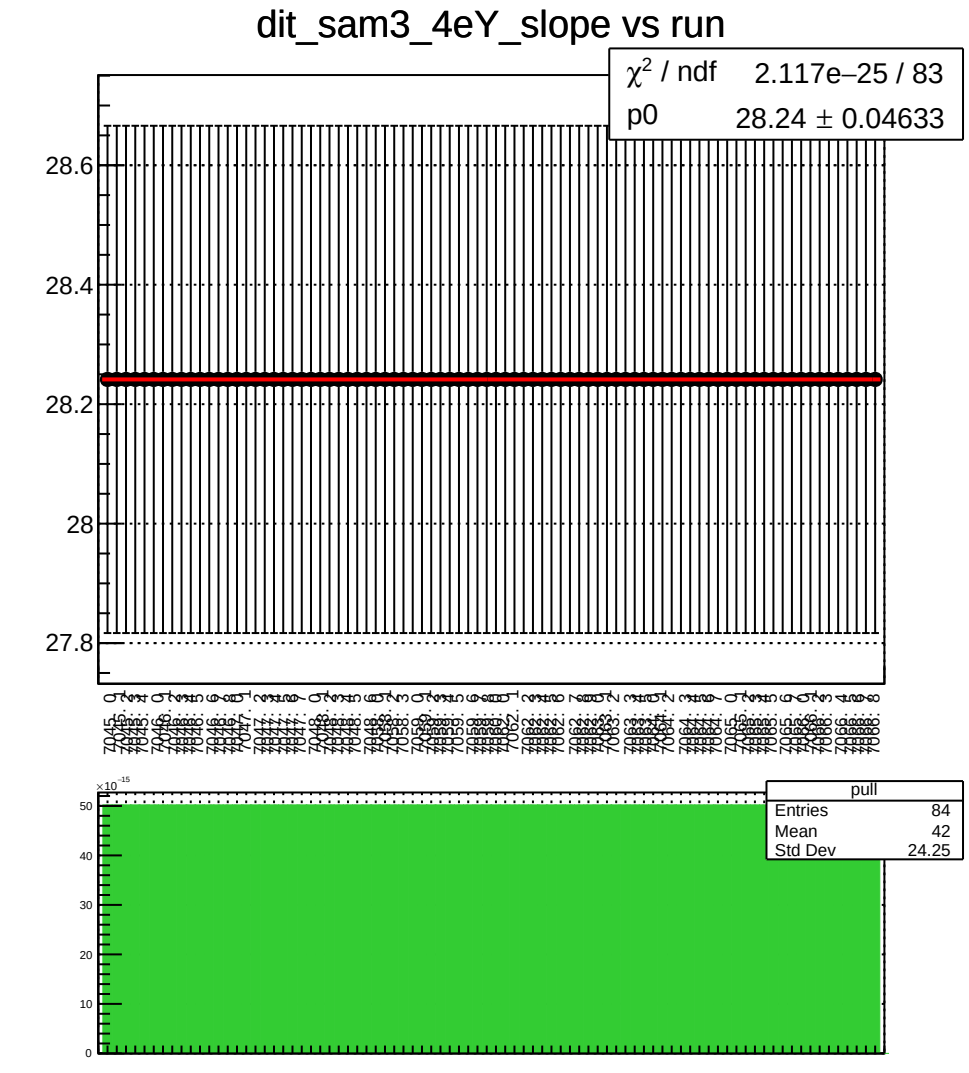

dit_sam3_4eX_slope vs run
χ² / ndf 0 / 83
p0 −88.46 ± 0.4757
−84
−86
−88
−90
−92
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

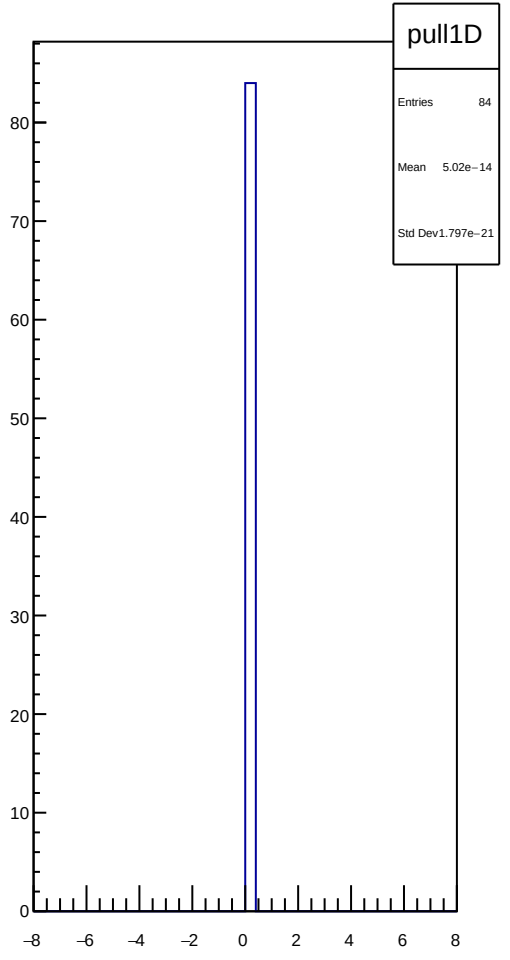

pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

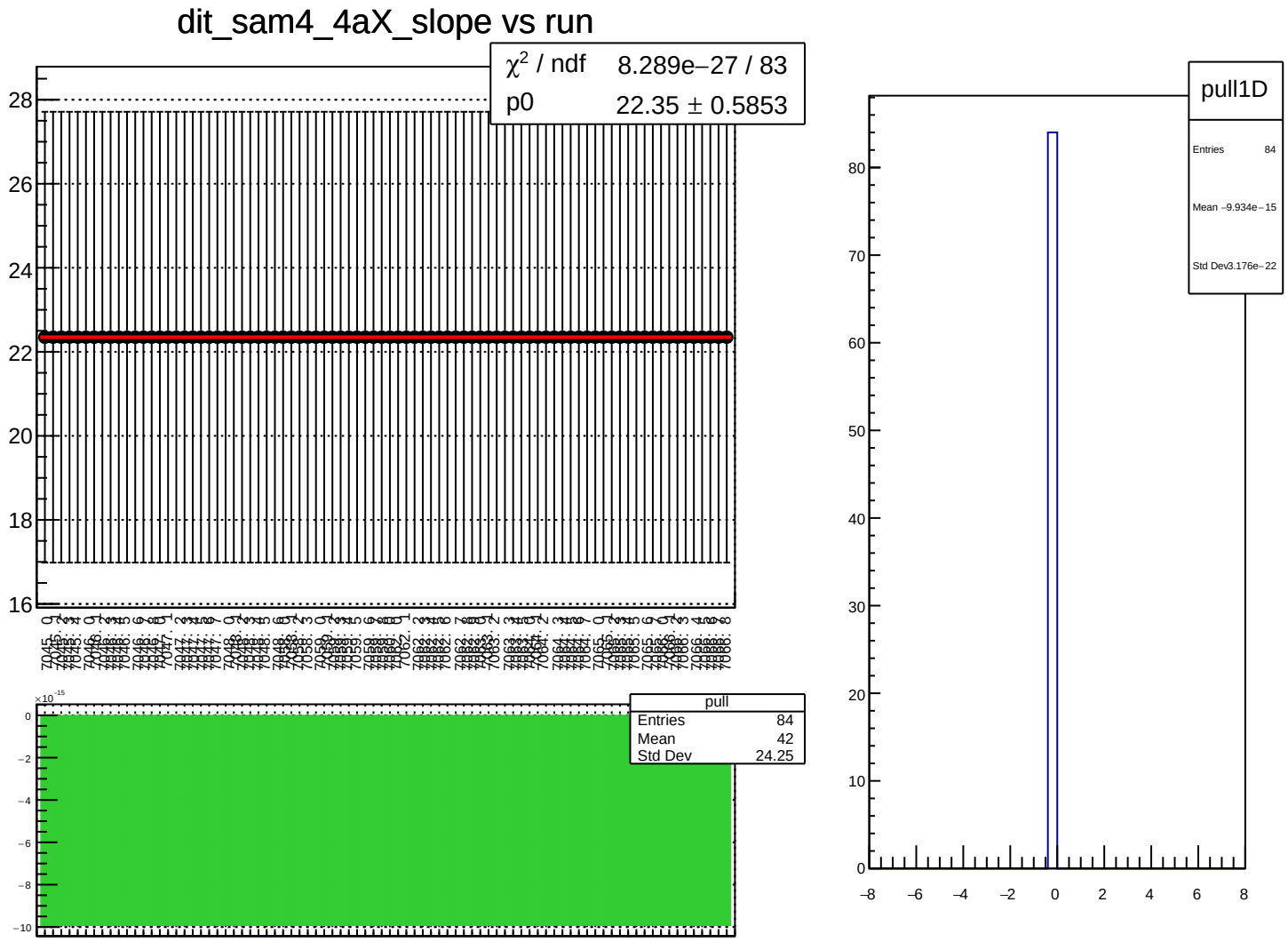

dit_sam3_11X12X_slope vs run
χ² / ndf 1.878e−27 / 83
p0 0.2007 ± 0.008967
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 84
Mean 42
Std Dev 24.25

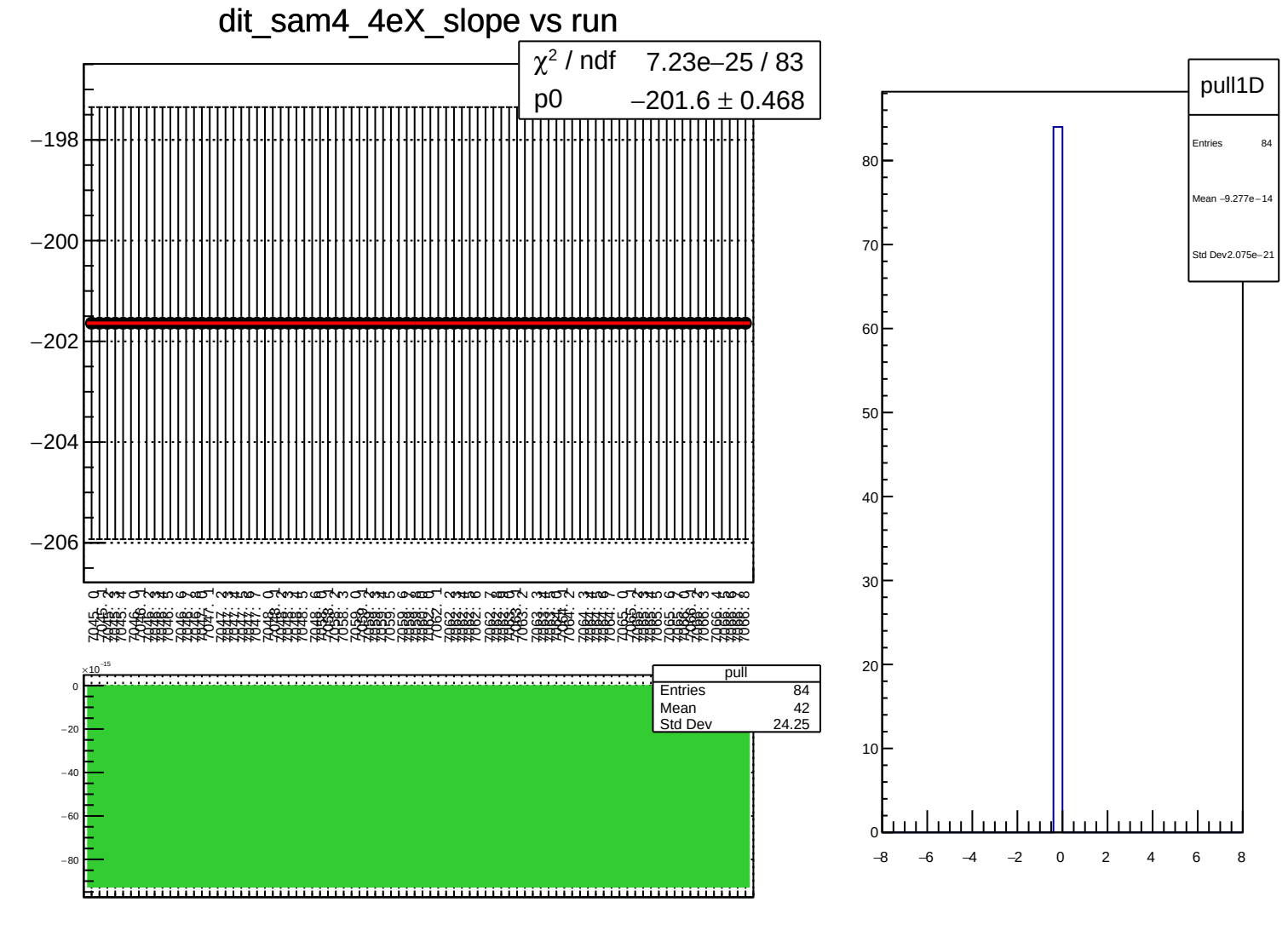

pull1D
Entries 84
Mean 4.728e−15
Std Dev 1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

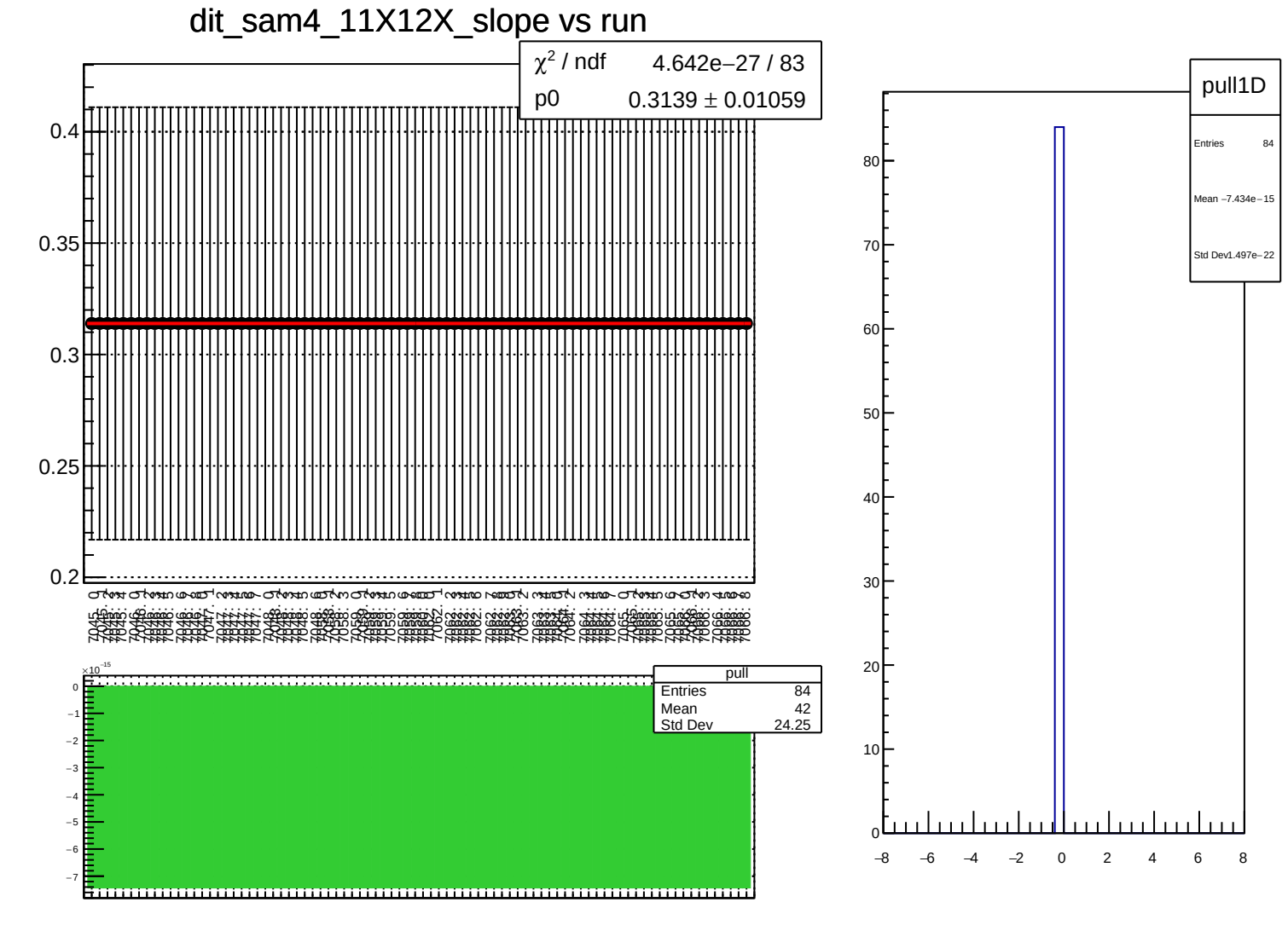

dit_sam3_4aY_slope vs run
χ² / ndf 3.99e−26 / 83
p0 −5.367 ± 0.04002
−5
−5.1
−5.2
−5.3
−5.4
−5.5
−5.6
−5.7
−5.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 84
Mean −2.179e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

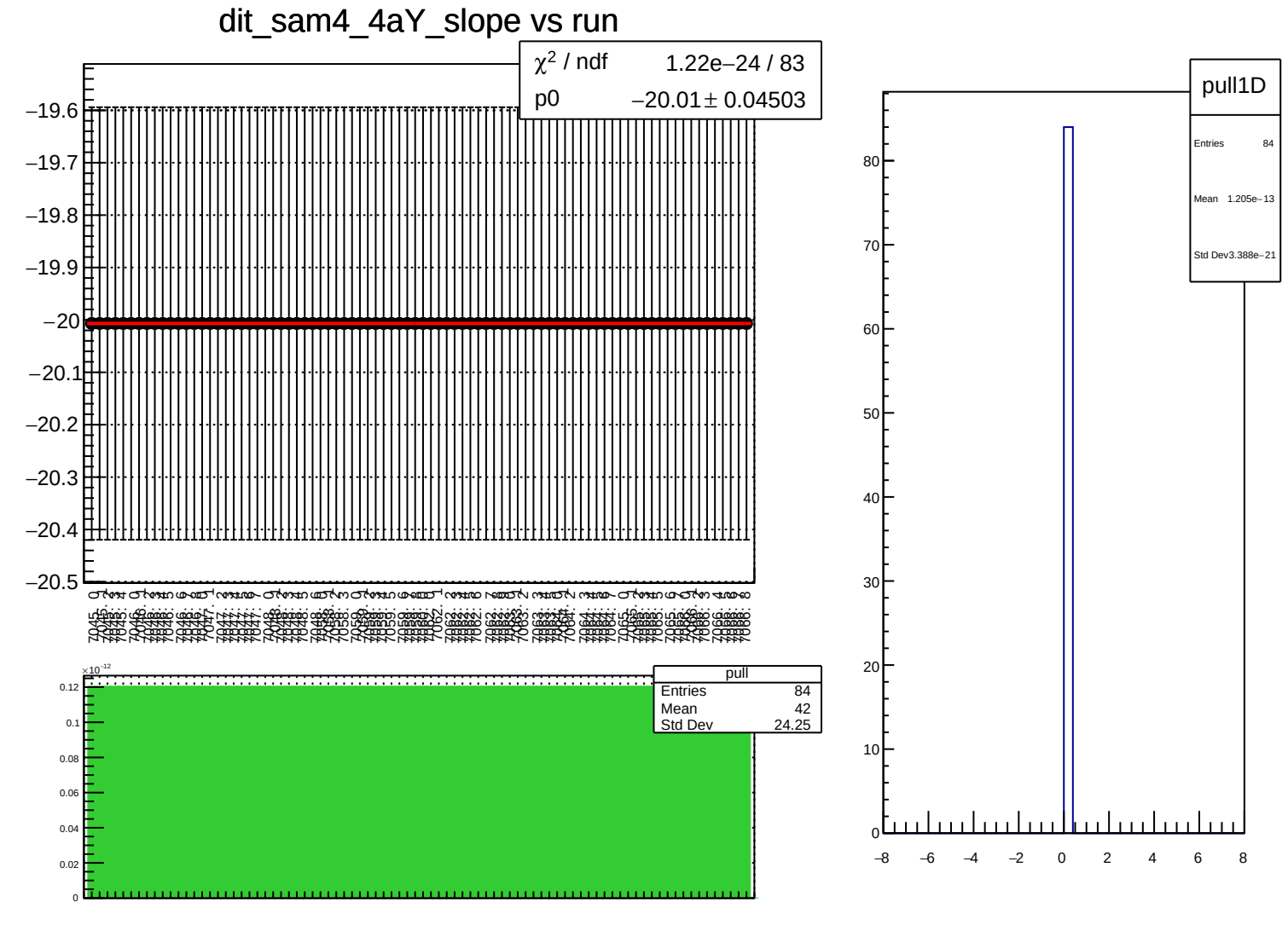

dit_sam3_4eY_slope vs run
χ² / ndf 2.117e−25 / 83
p0 28.24 ± 0.04633
28.6
28.4
28.2
28
27.8
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 84
Mean 42
Std Dev 24.25

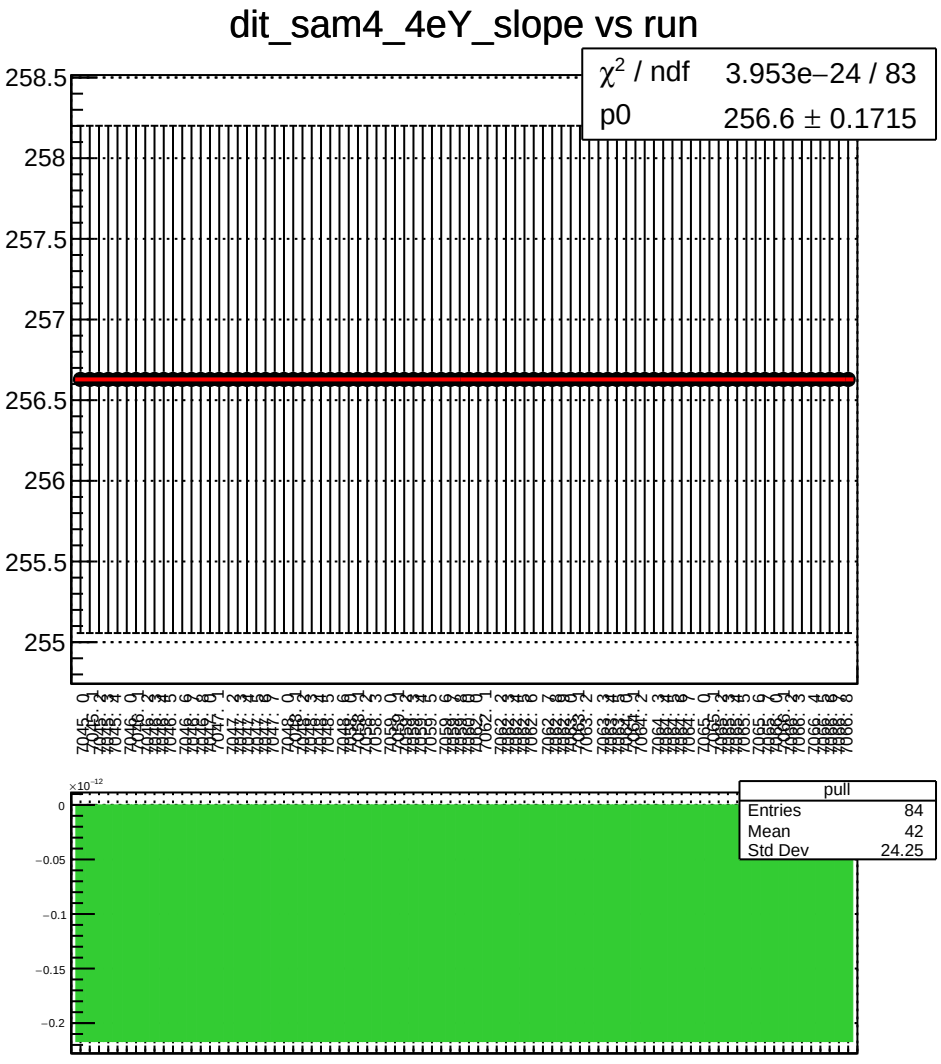

pull1D
Entries 84
Mean 5.02e−14
Std Dev1.797e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

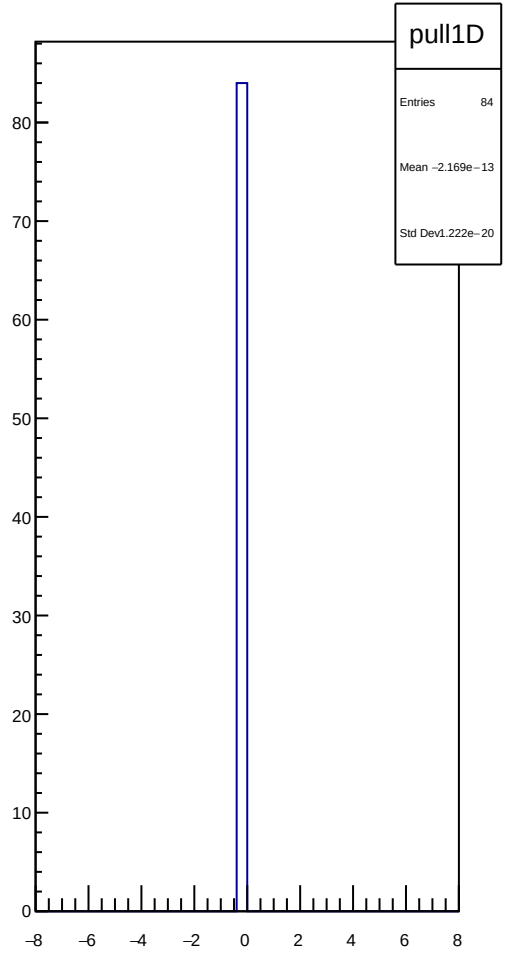

dit_sam4_4aX_slope vs run
χ² / ndf 8.289e−27 / 83
p0 22.35 ± 0.5853
28
26
24
22
20
18
16
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 84
Mean −9.934e−15
Std Dev3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

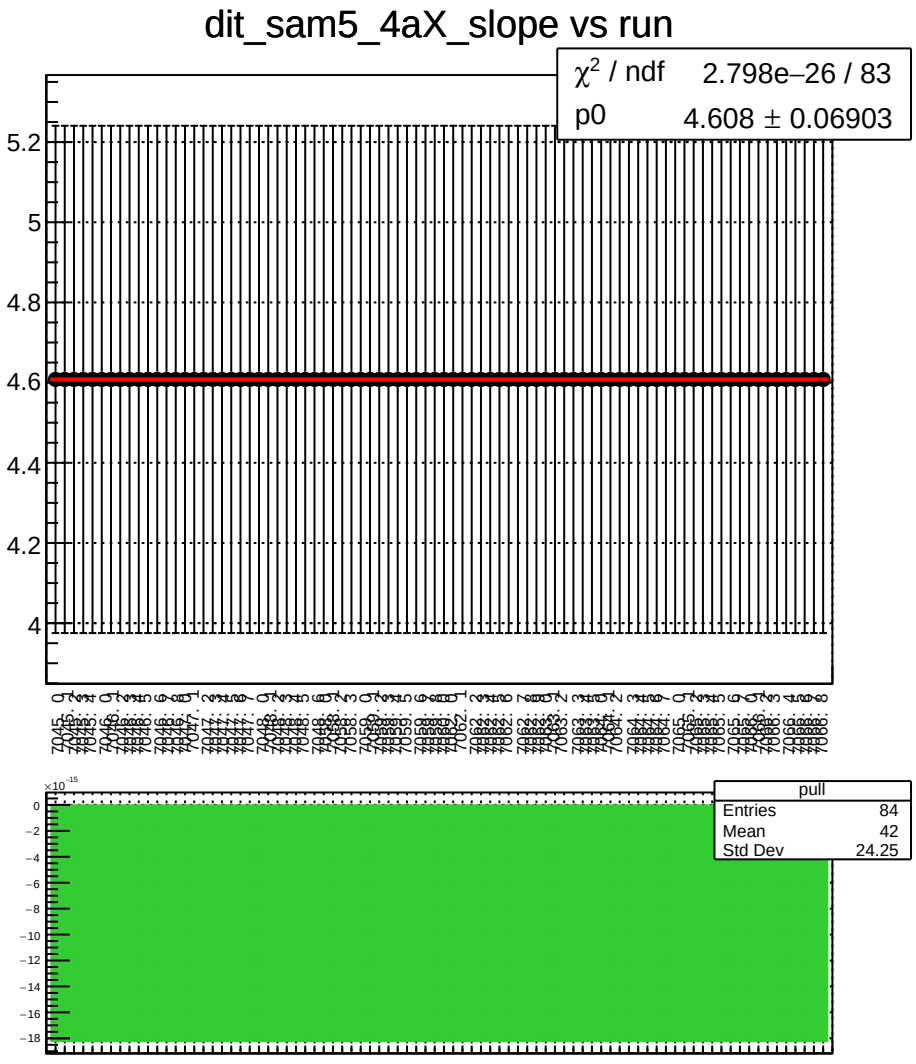

dit_sam4_4eX_slope vs run
χ² / ndf 7.23e−25 / 83
p0 −201.6 ± 0.468
−198
−200
−202
−204
−206
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−20
−40
−60
−80
pull1D
Entries 84
Mean −9.277e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

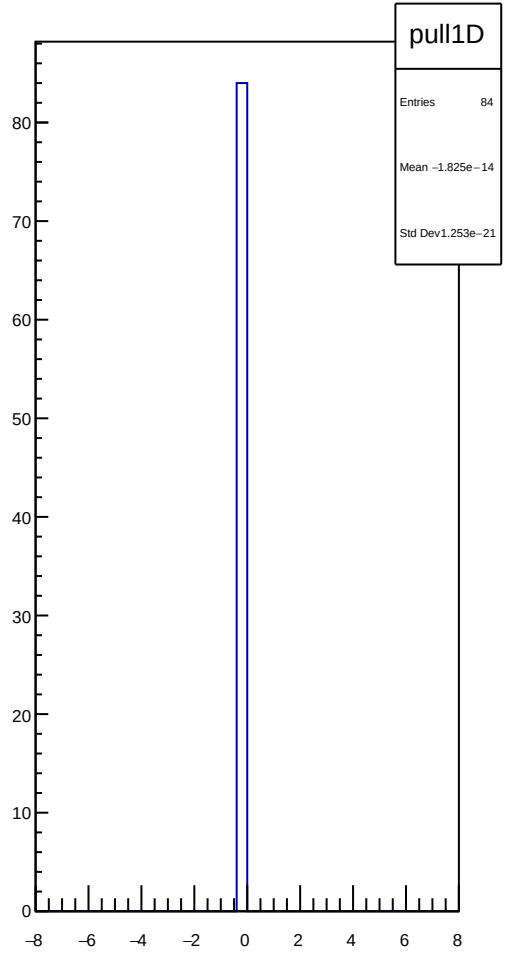

dit_sam4_11X12X_slope vs run
χ² / ndf 4.642e−27 / 83
p0 0.3139 ± 0.01059
0.4
0.35
0.3
0.25
0.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean −7.434e−15
Std Dev1.497e−22

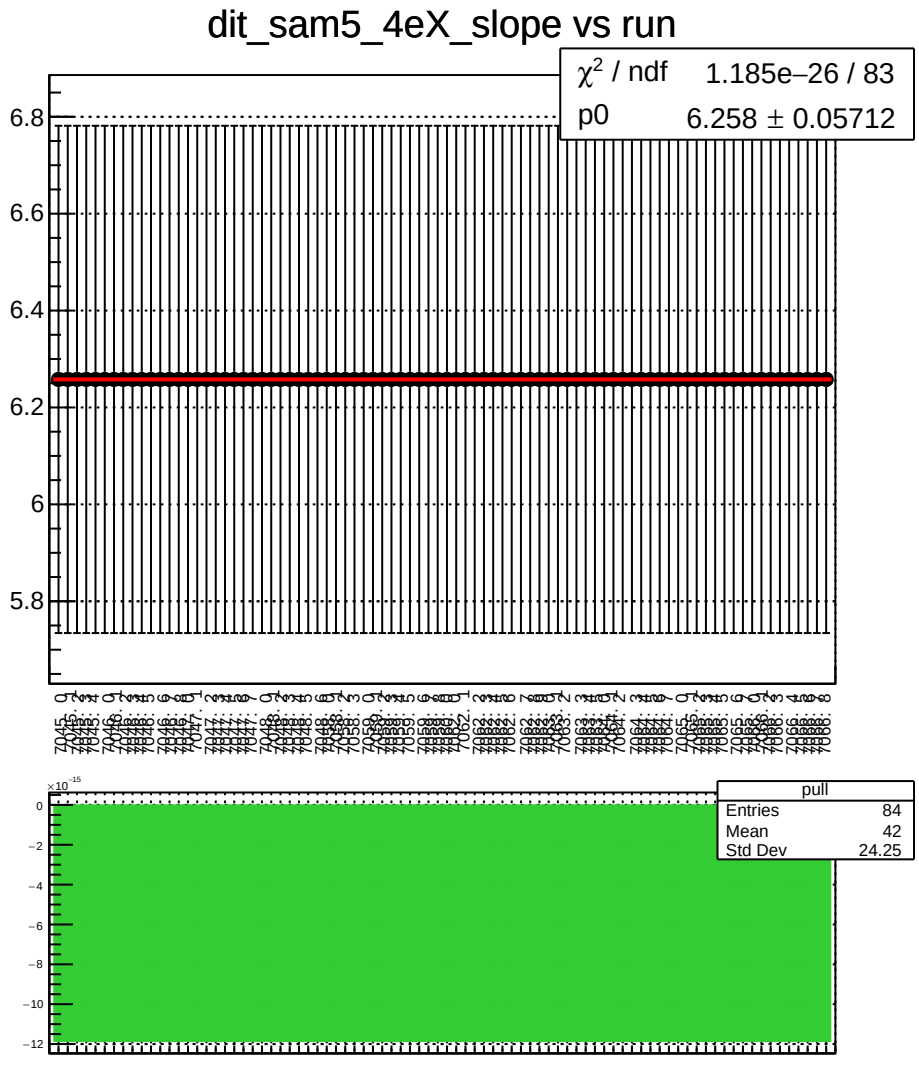

dit_sam4_4aY_slope vs run
χ² / ndf 1.22e−24 / 83
p0 −20.01 ± 0.04503
−19.6
−19.7
−19.8
−19.9
−20
−20.1
−20.2
−20.3
−20.4
−20.5
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 1.205e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

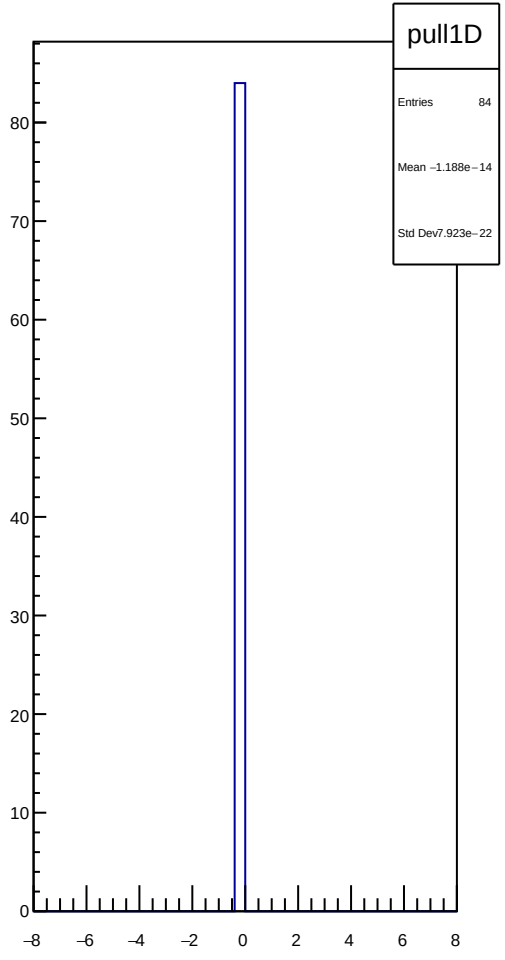

dit_sam4_4eY_slope vs run
χ^2 / ndf 3.953e−24 / 83
p0 256.6 ± 0.1715
258.5
258
257.5
257
256.5
256
255.5
255
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

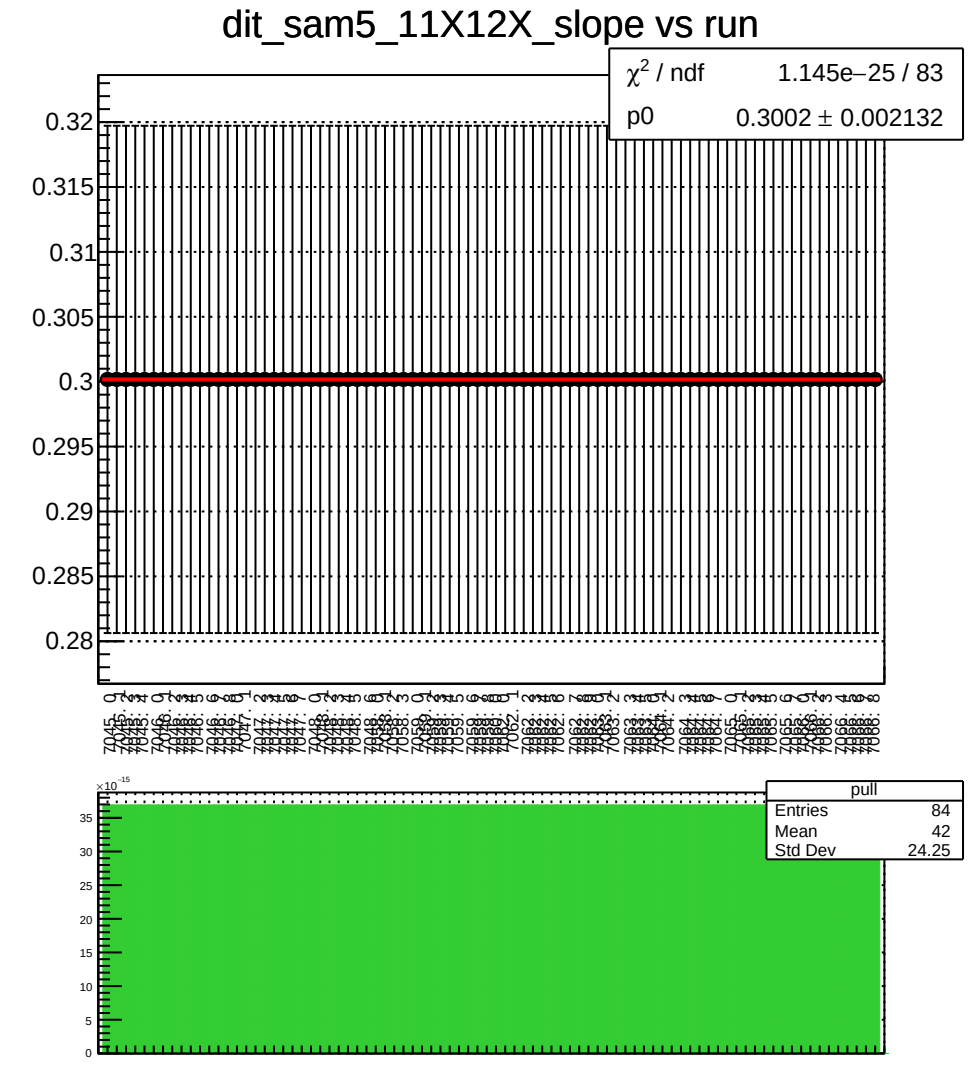

pull1D
Entries 84
Mean −2.169e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

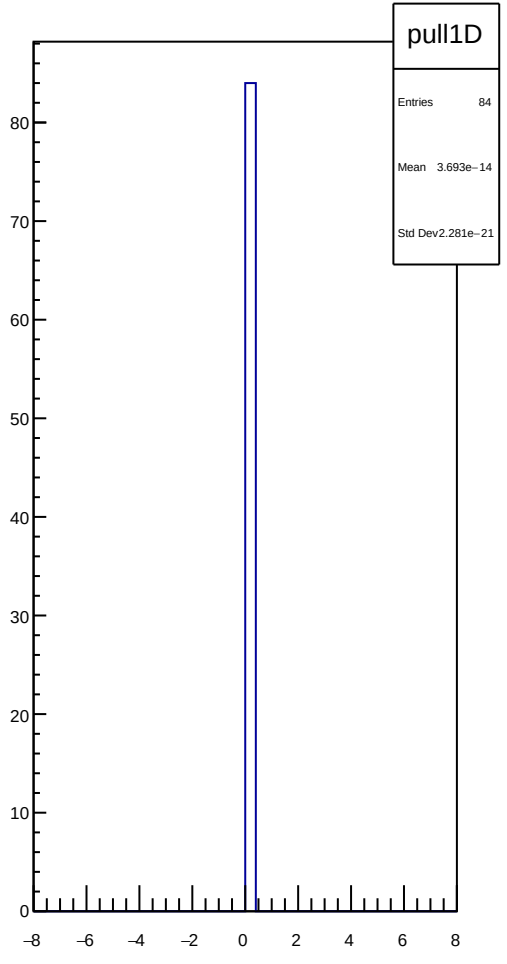

dit_sam5_4aX_slope vs run
χ² / ndf 2.798e−26 / 83
p0 4.608 ± 0.06903
5.2
5
4.8
4.6
4.4
4.2
4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 84
Mean 42
Std Dev 24.25

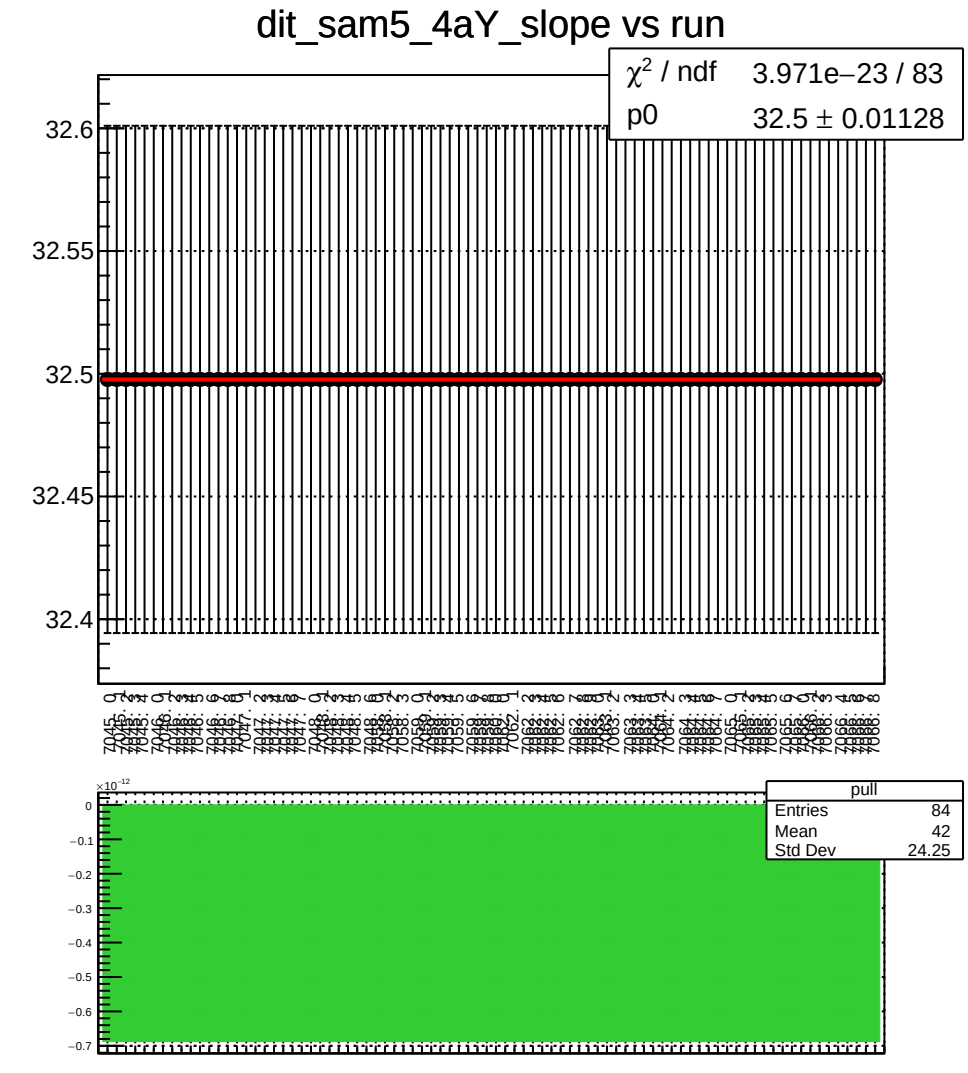

pull1D
Entries 84
Mean −1.825e−14
Std Dev1.253e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

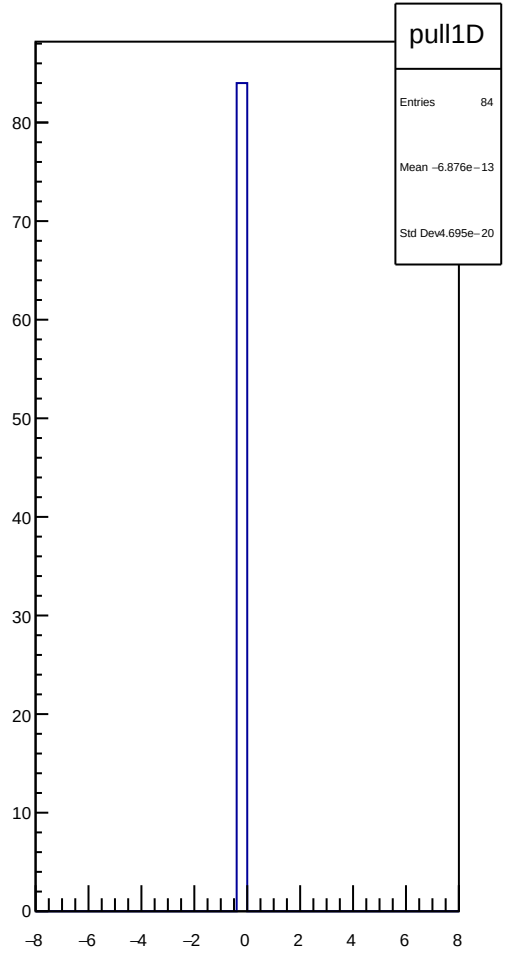

dit_sam5_4eX_slope vs run
χ² / ndf 1.185e−26 / 83
p0 6.258 ± 0.05712
6.8
6.6
6.4
6.2
6
5.8
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 84
Mean 42
Std Dev 24.25

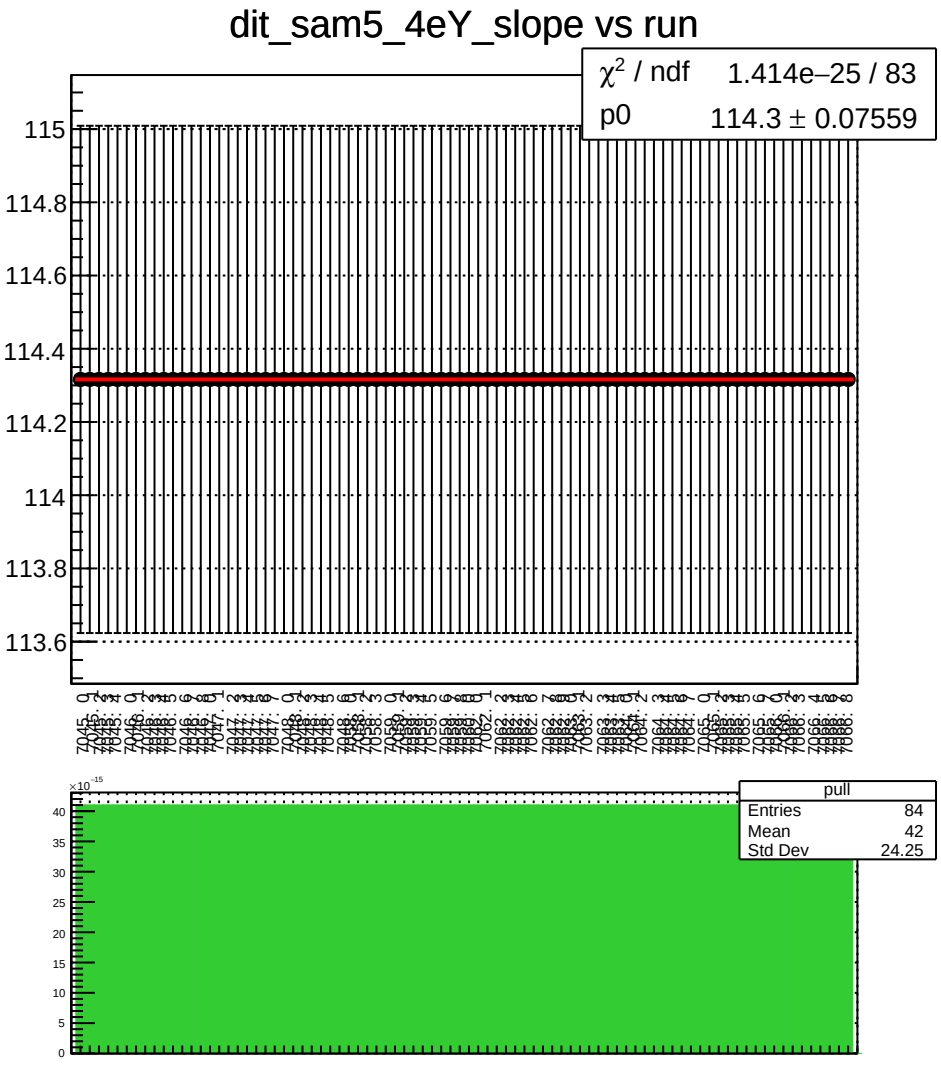

pull1D
Entries 84
Mean −1.188e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

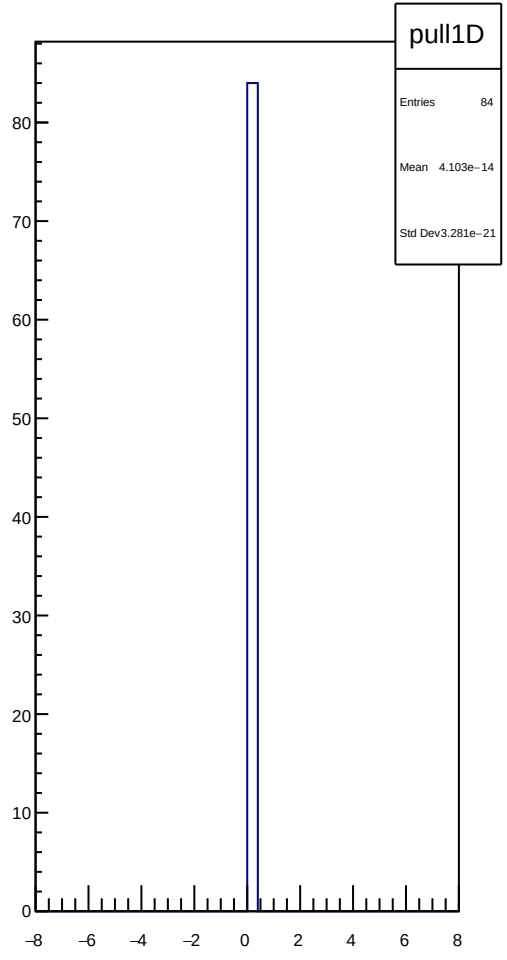

dit_sam5_11X12X_slope vs run
χ² / ndf 1.145e−25 / 83
p0 0.3002 ± 0.002132
0.32
0.315
0.31
0.305
0.3
0.295
0.29
0.285
0.28
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
35
30
25
20
15
10
5
0

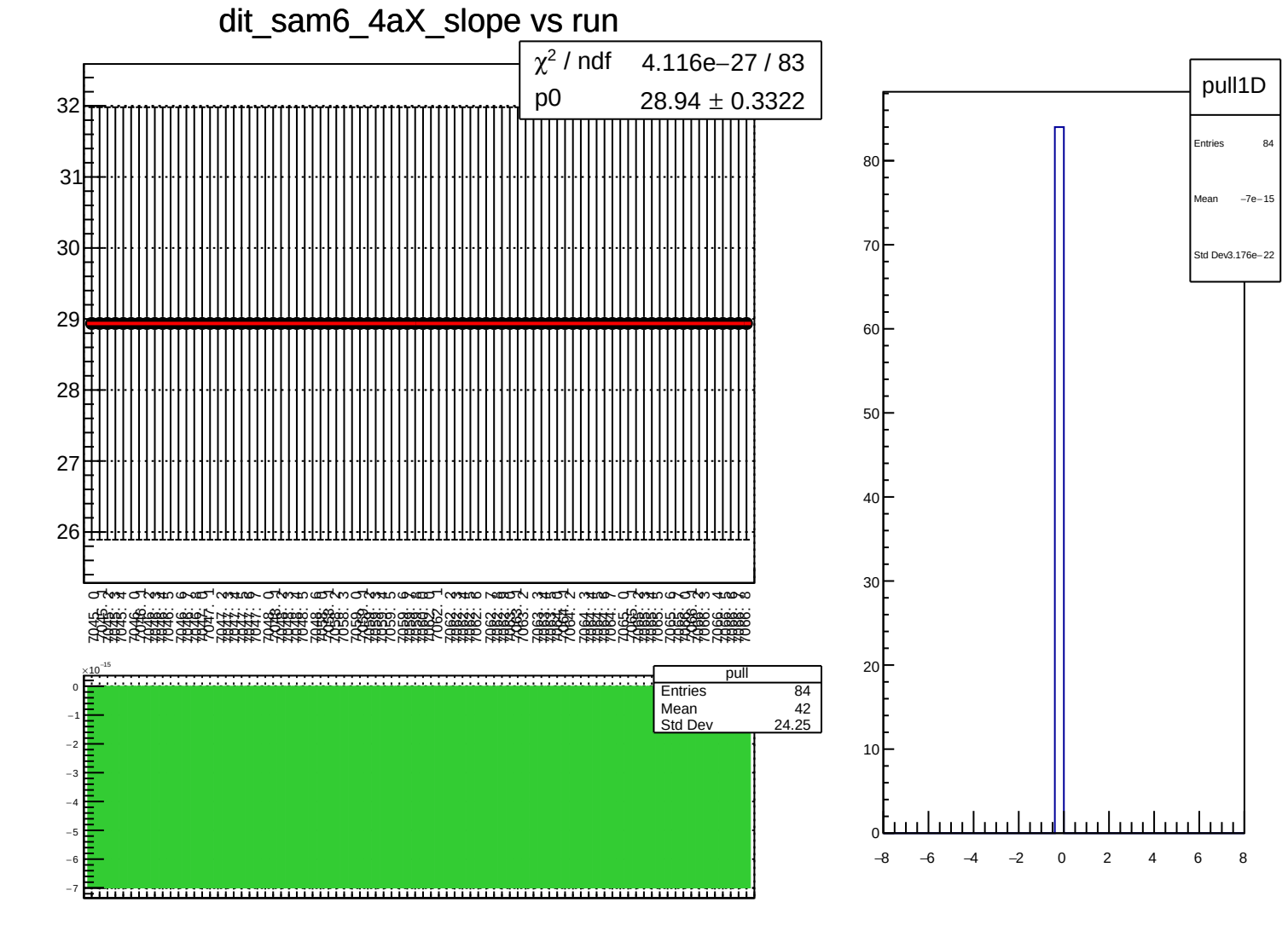

pull1D
Entries 84
Mean 3.693e−14
Std Dev2.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

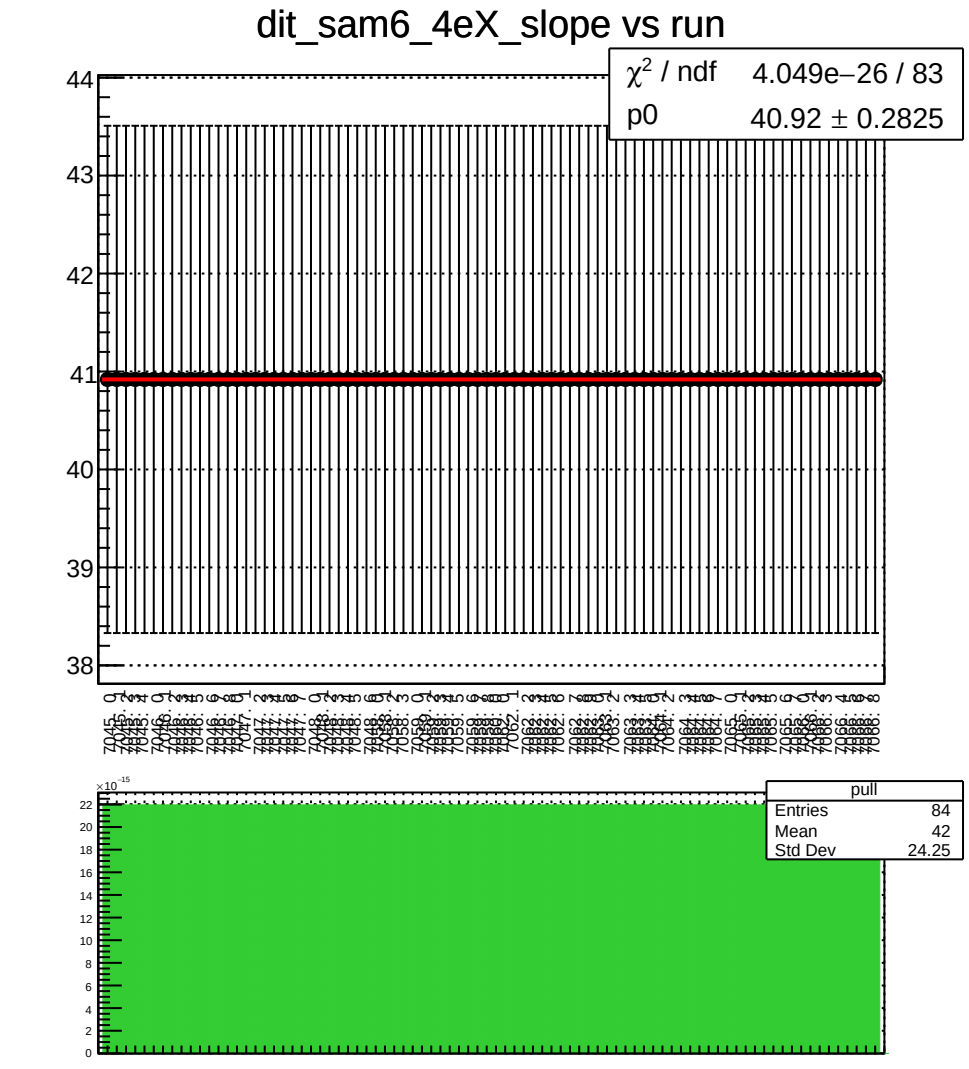

dit_sam5_4aY_slope vs run
χ² / ndf 3.971e−23 / 83
p0 32.5 ± 0.01128
32.6
32.55
32.5
32.45
32.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7

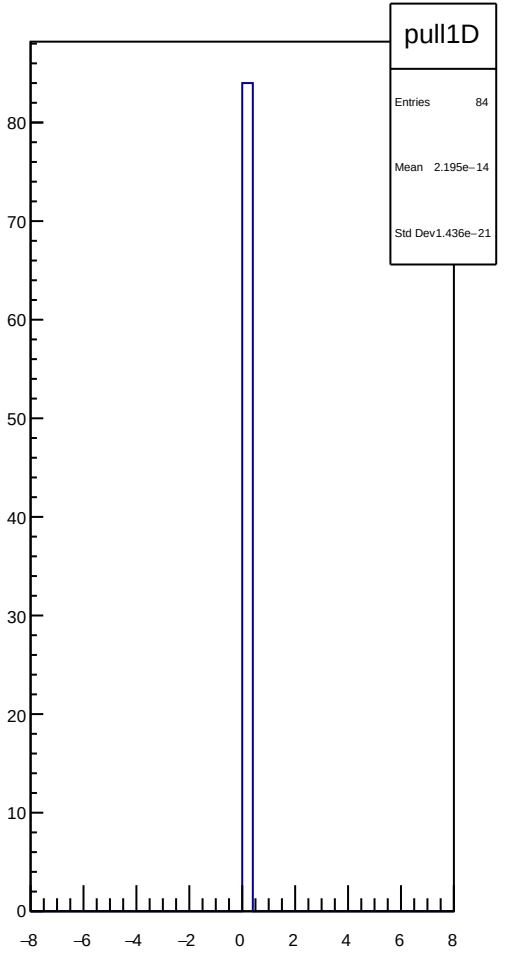

pull1D
Entries 84
Mean −6.876e−13
Std Dev 4.695e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

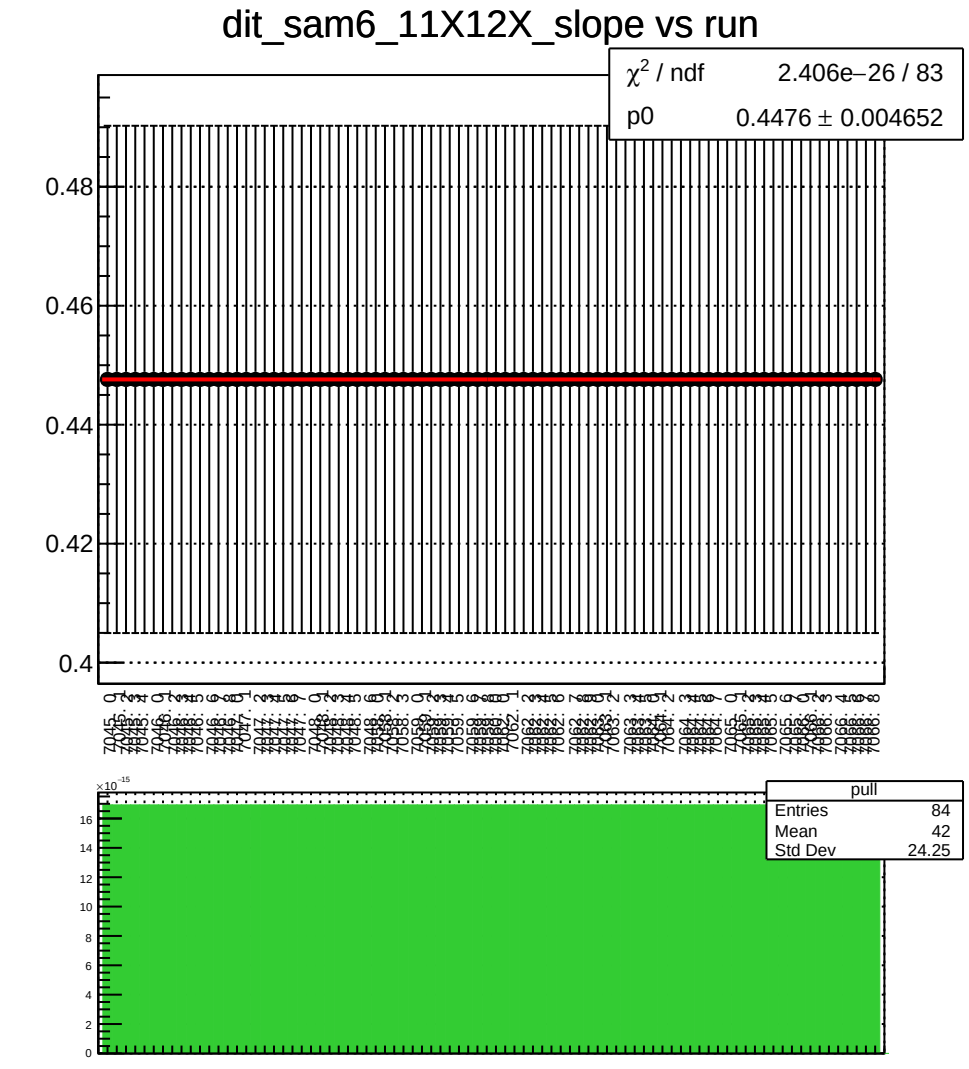

dit_sam5_4eY_slope vs run
χ² / ndf 1.414e−25 / 83
p0 114.3 ± 0.07559
115
114.8
114.6
114.4
114.2
114
113.8
113.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

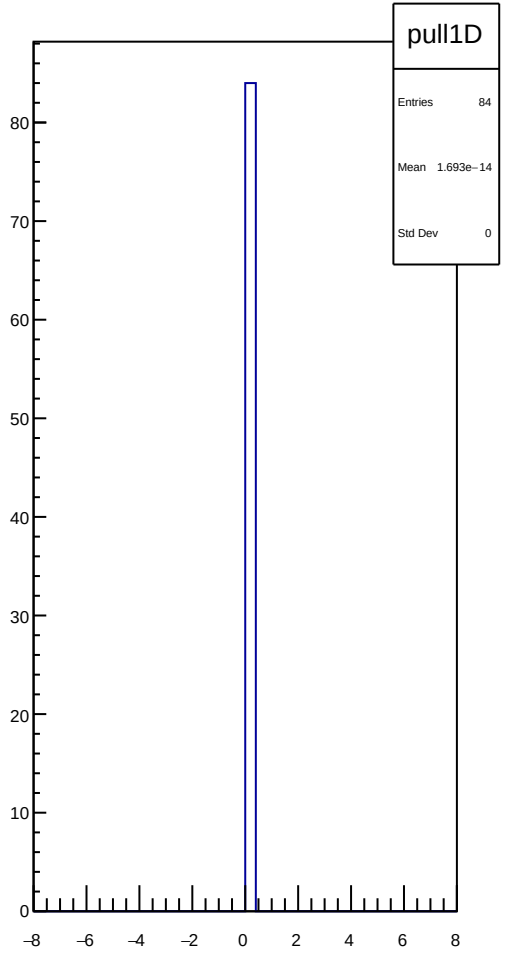

pull1D
Entries 84
Mean 4.103e−14
Std Dev3.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

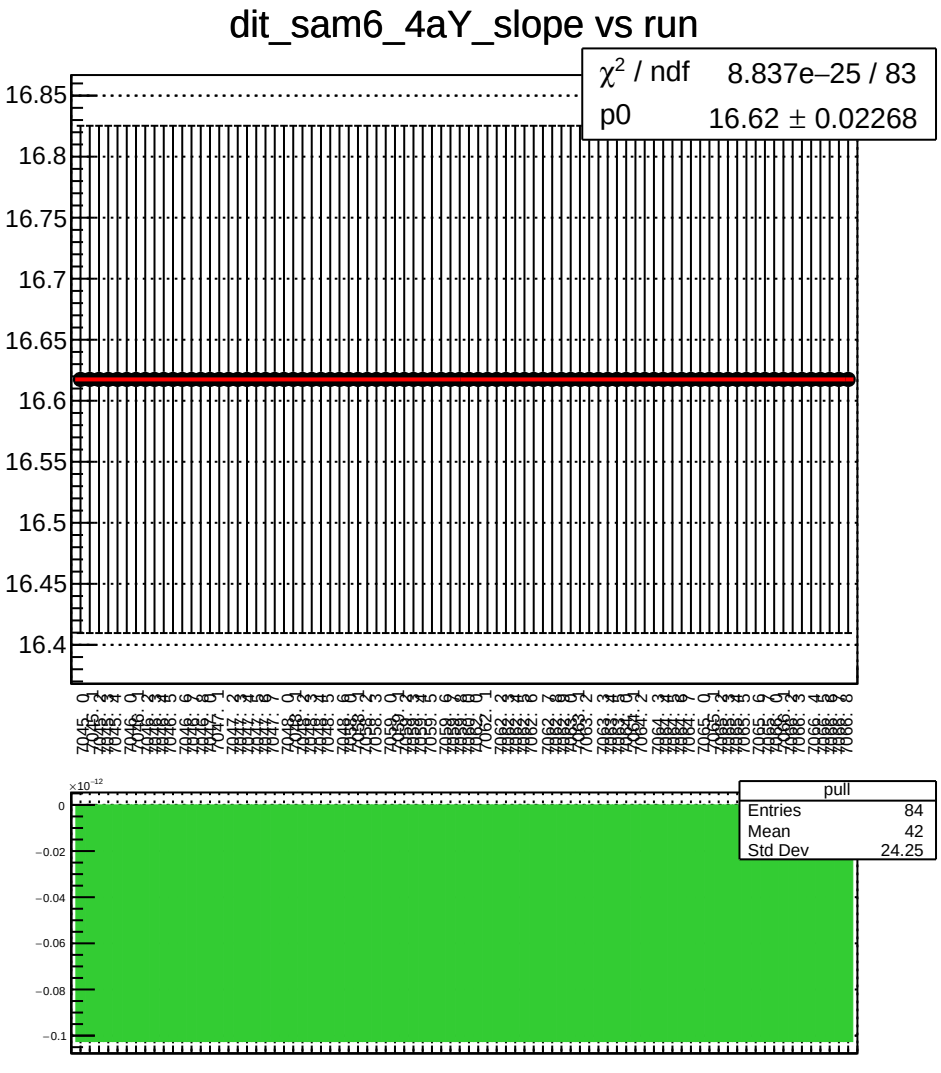

dit_sam6_4aX_slope vs run
χ² / ndf 4.116e−27 / 83
p0 28.94 ± 0.3322
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −7e−15
Std Dev 3.176e−22

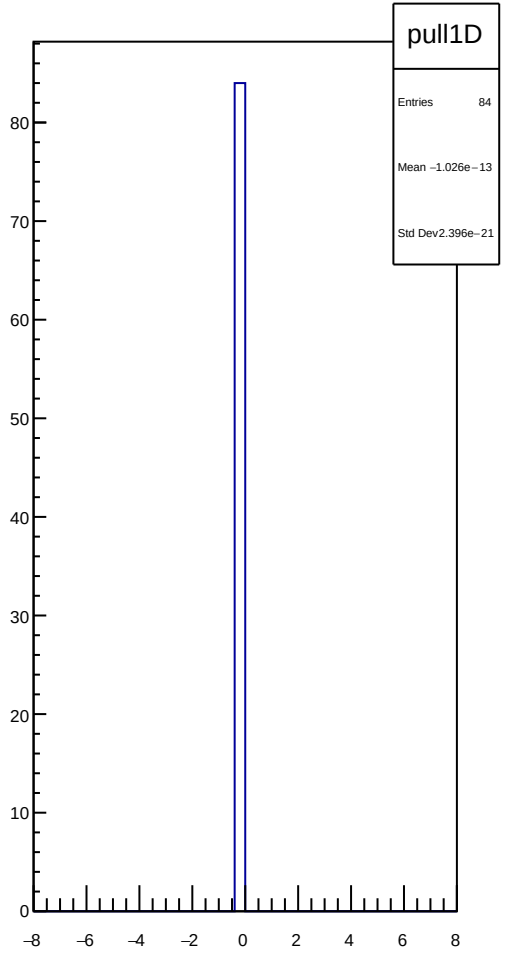

dit_sam6_4eX_slope vs run
χ² / ndf 4.049e−26 / 83
p0 40.92 ± 0.2825
pull
Entries 84
Mean 42
Std Dev 24.25

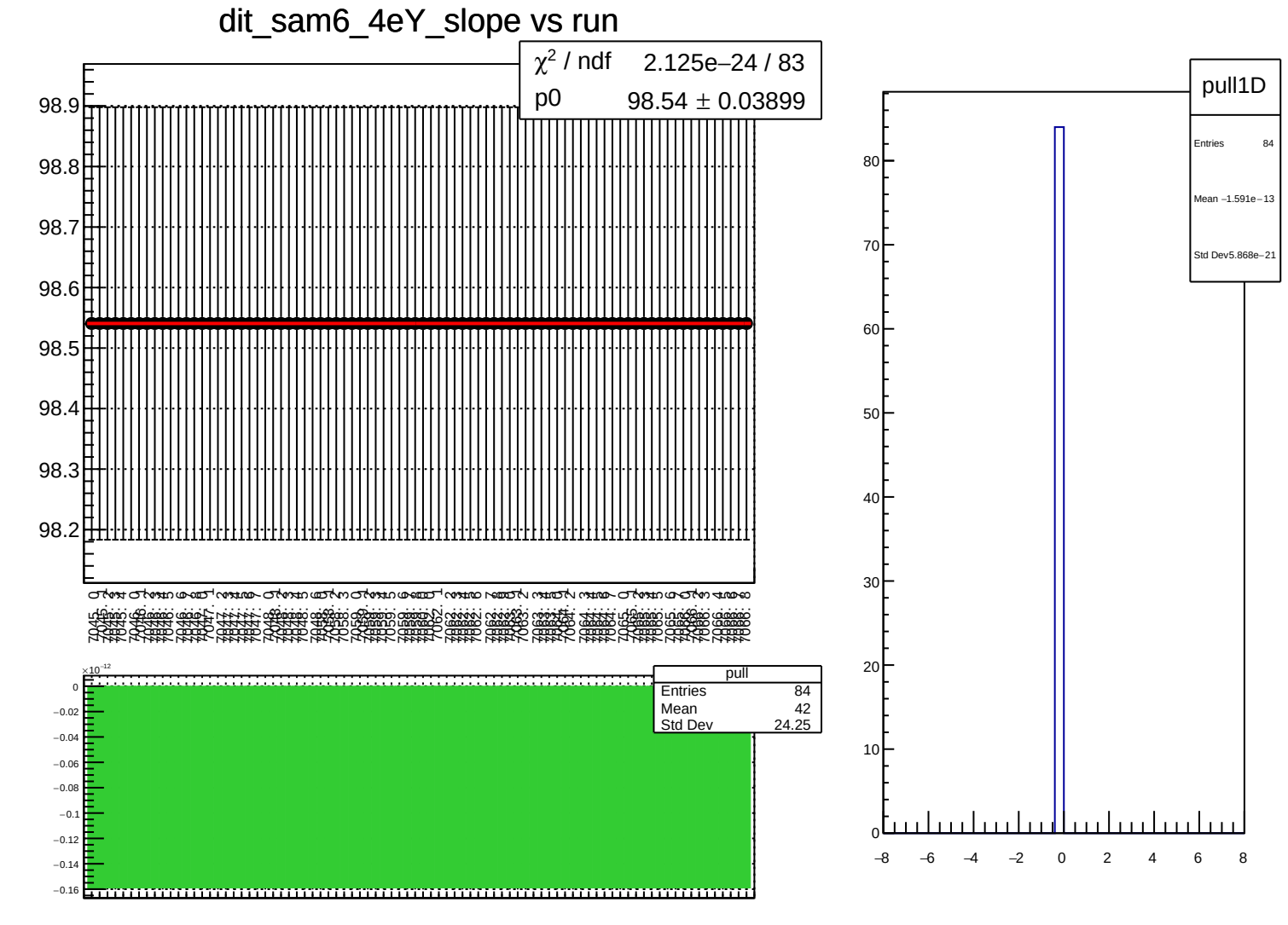

pull1D
Entries 84
Mean 2.195e−14
Std Dev1.436e−21

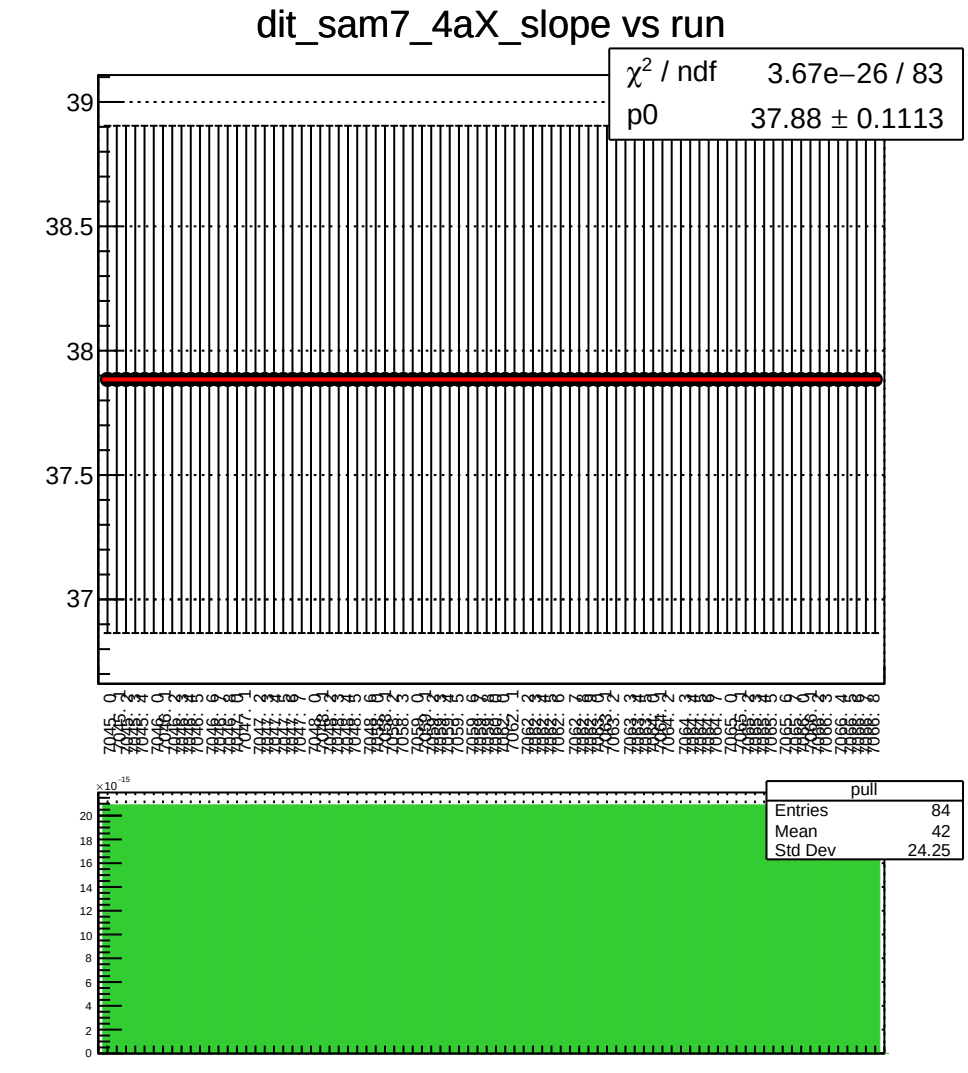

dit_sam6_11X12X_slope vs run
χ² / ndf 2.406e−26 / 83
p0 0.4476 ± 0.004652
0.48
0.46
0.44
0.42
0.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

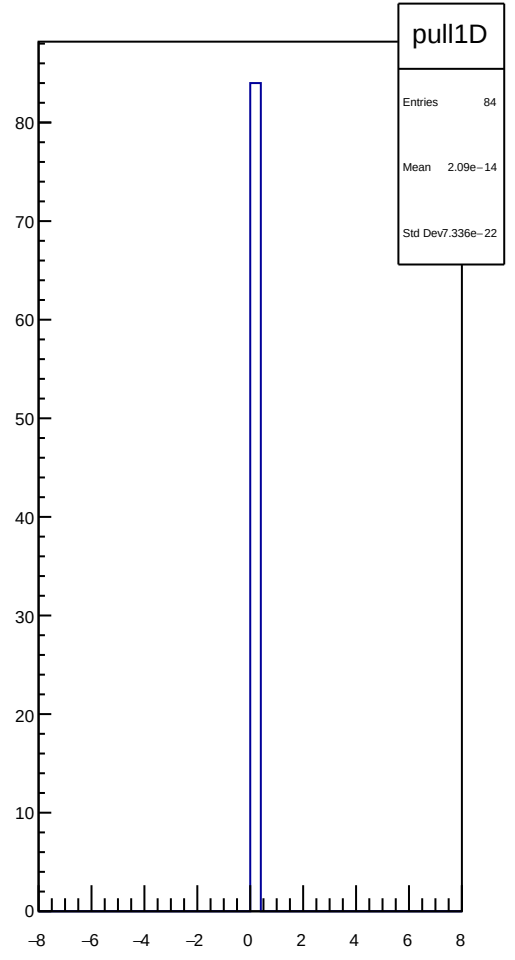

pull1D
Entries 84
Mean 1.693e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

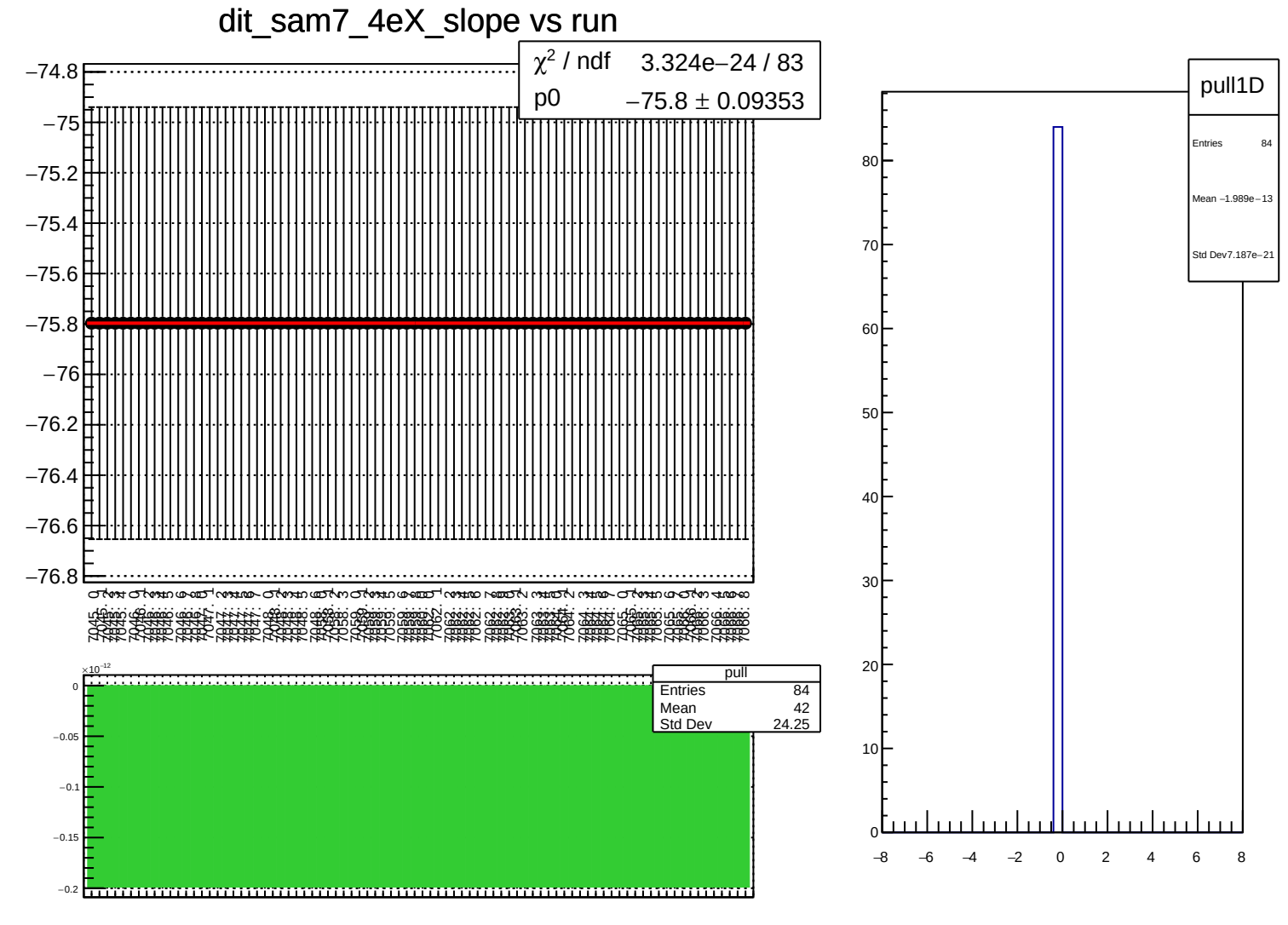

dit_sam6_4aY_slope vs run
χ² / ndf 8.837e−25 / 83
p0 16.62 ± 0.02268
16.85
16.8
16.75
16.7
16.65
16.6
16.55
16.5
16.45
16.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

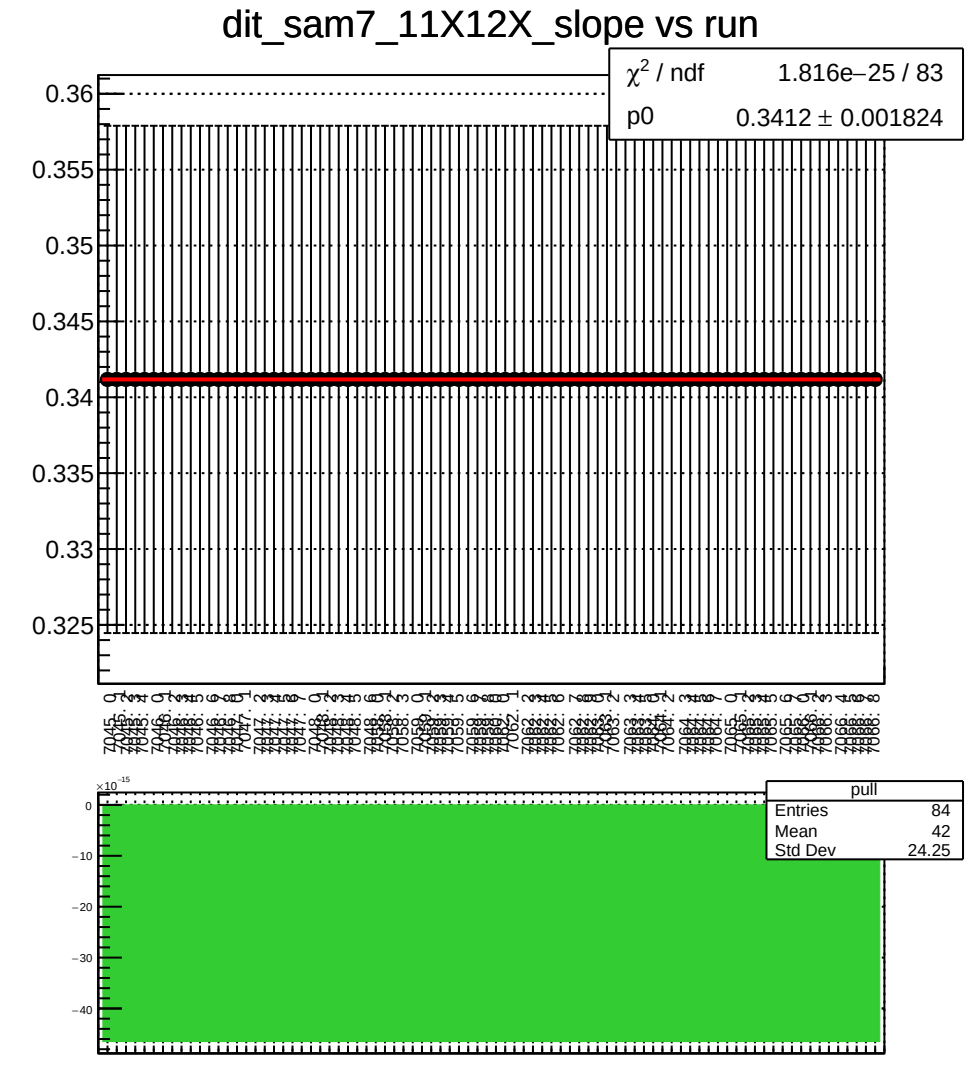

pull1D
Entries 84
Mean −1.026e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

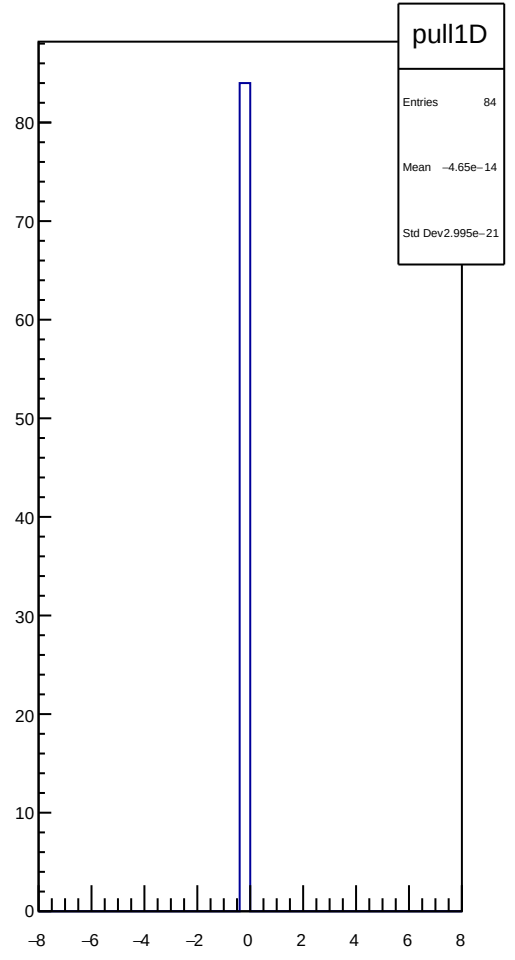

dit_sam6_4eY_slope vs run
χ² / ndf 2.125e−24 / 83
p0 98.54 ± 0.03899
98.9
98.8
98.7
98.6
98.5
98.4
98.3
98.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 84
Mean −1.591e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

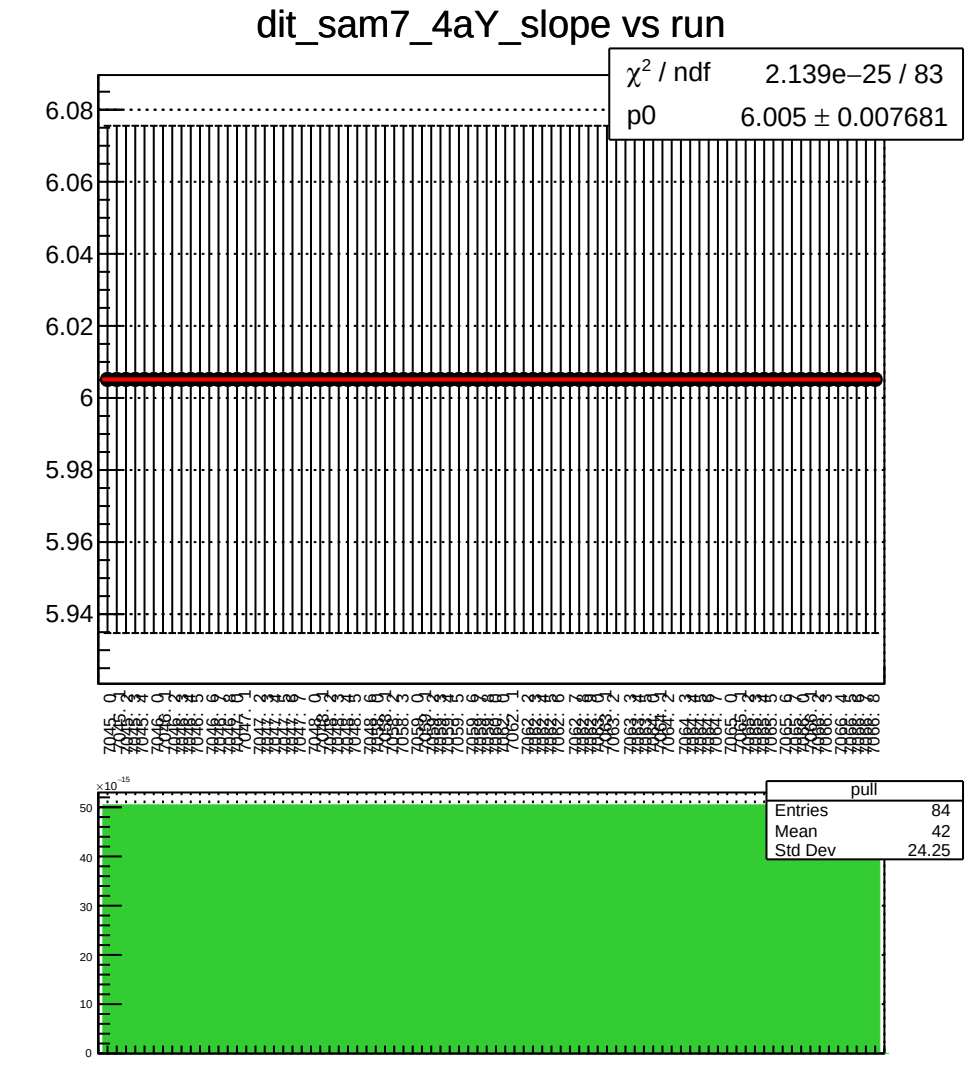

dit_sam7_4aX_slope vs run
χ² / ndf 3.67e−26 / 83
p0 37.88 ± 0.1113
39
38.5
38
37.5
37
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 84
Mean 42
Std Dev 24.25

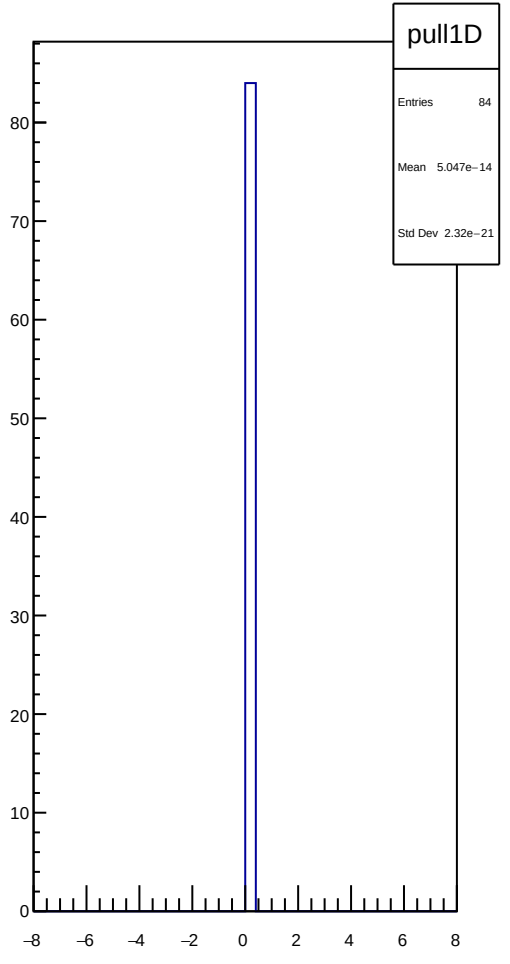

pull1D
Entries 84
Mean 2.09e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

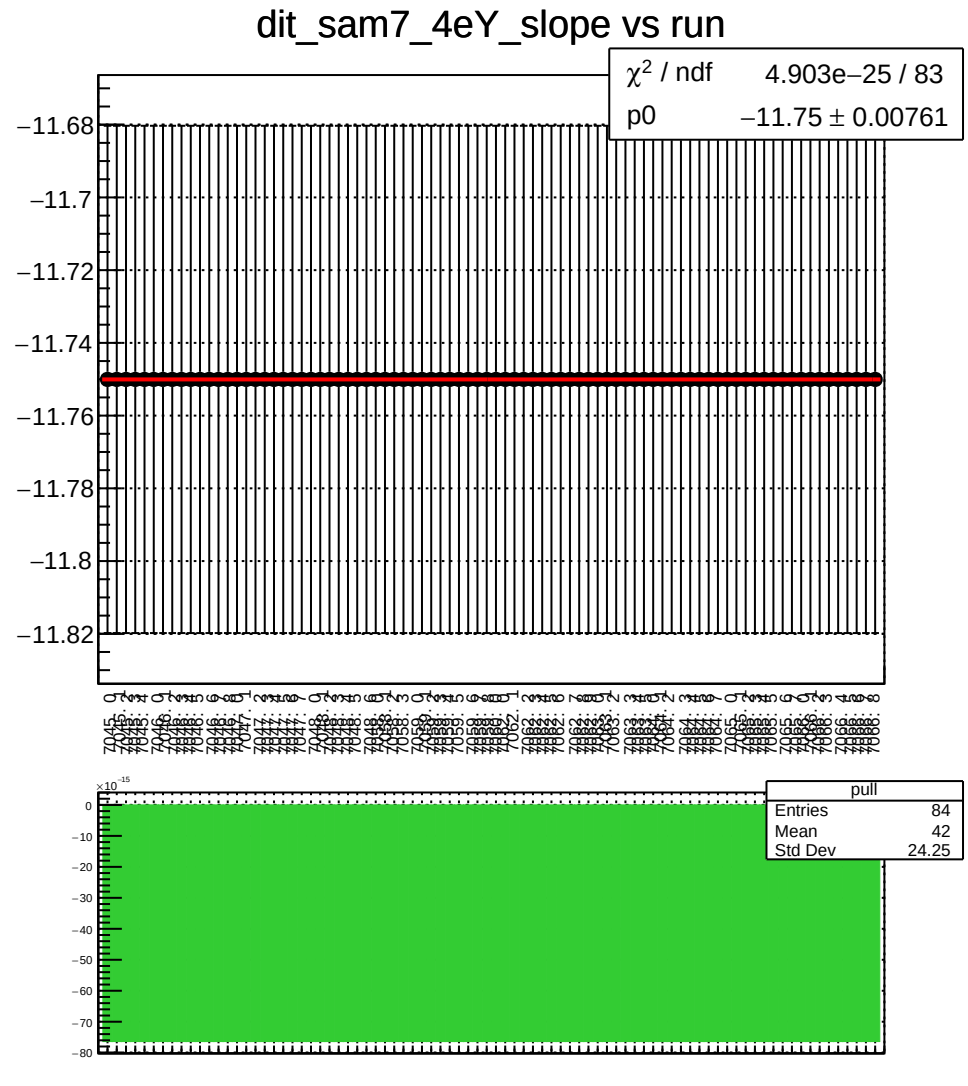

dit_sam7_4eX_slope vs run
χ² / ndf 3.324e−24 / 83
p0 −75.8 ± 0.09353
−74.8
−75
−75.2
−75.4
−75.6
−75.8
−76
−76.2
−76.4
−76.6
−76.8
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −1.989e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

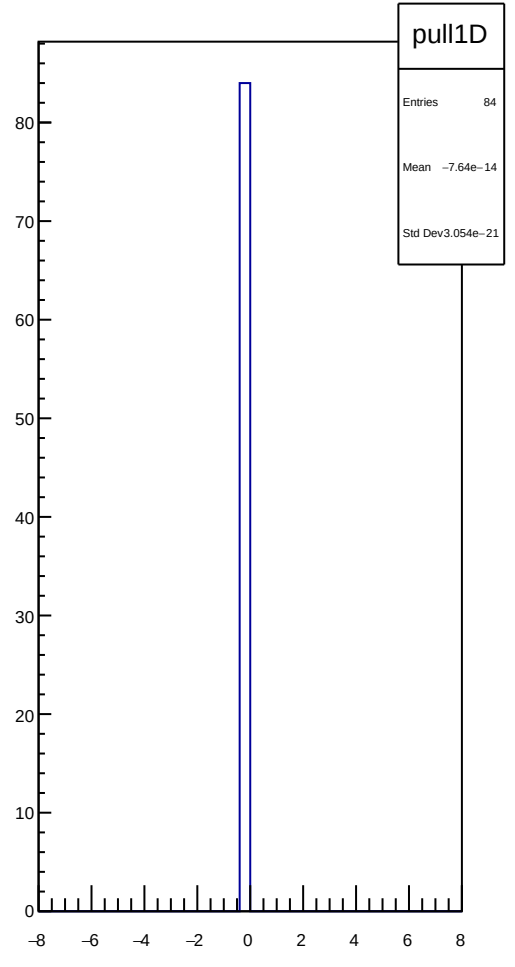

dit_sam7_11X12X_slope vs run
χ² / ndf 1.816e−25 / 83
p0 0.3412 ± 0.001824
0.36
0.355
0.35
0.345
0.34
0.335
0.33
0.325
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40

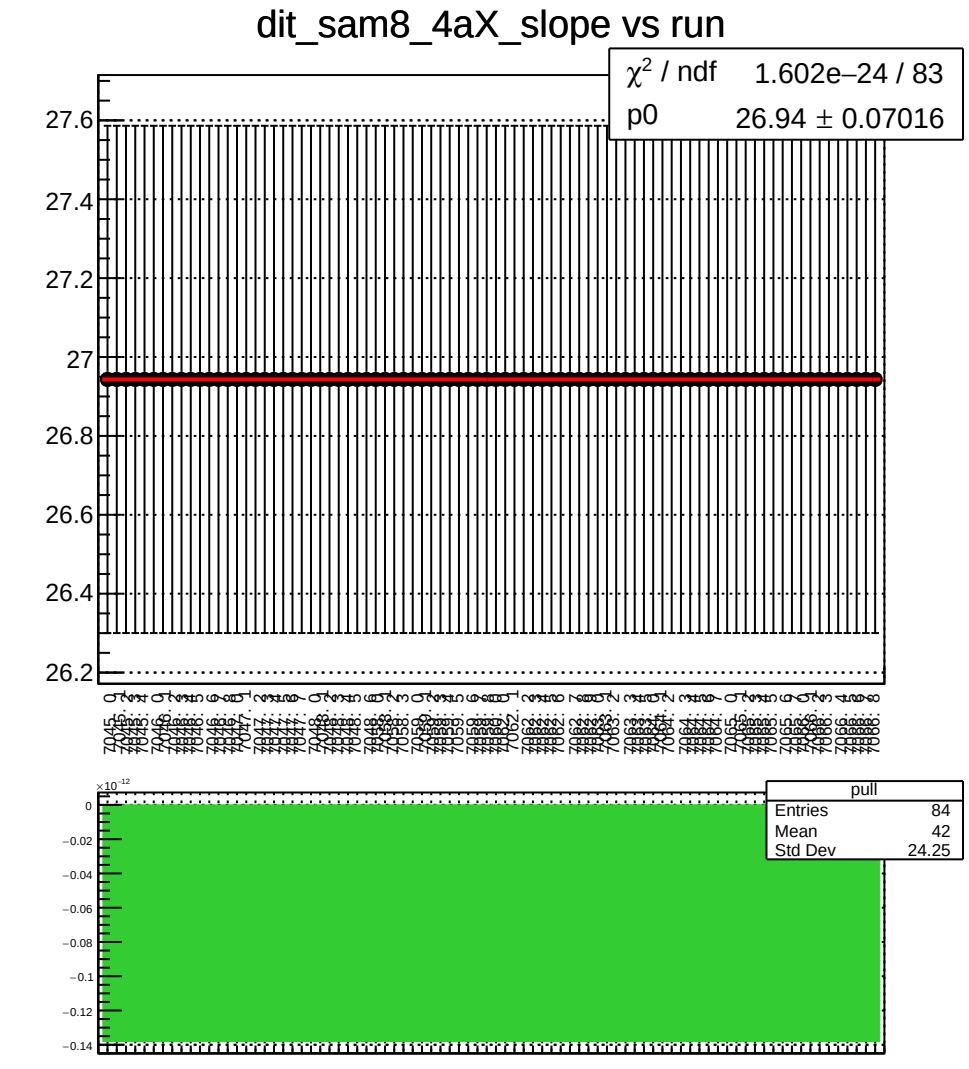

pull1D
Entries 84
Mean −4.65e−14
Std Dev2.995e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

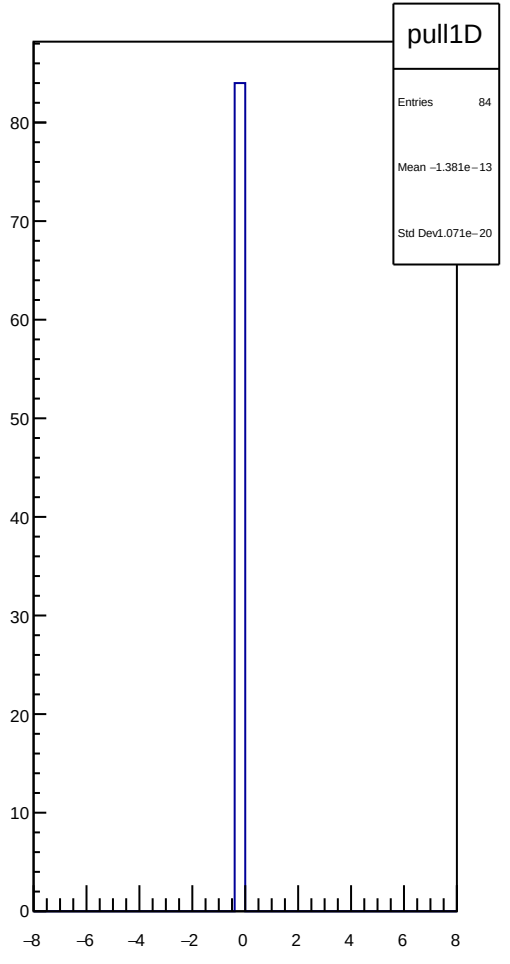

dit_sam7_4aY_slope vs run
χ² / ndf 2.139e−25 / 83
p0 6.005 ± 0.007681
6.08
6.06
6.04
6.02
6
5.98
5.96
5.94
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 84
Mean 42
Std Dev 24.25

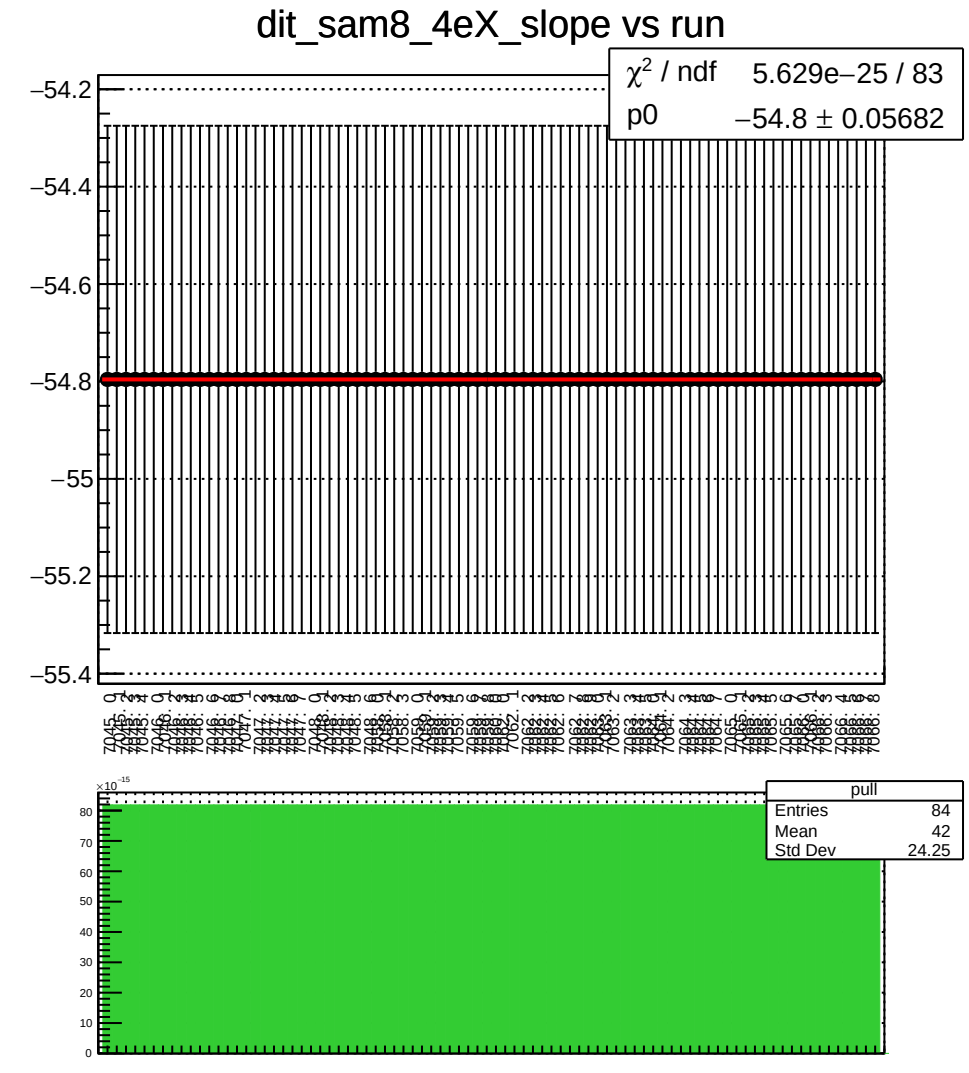

pull1D
Entries 84
Mean 5.047e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

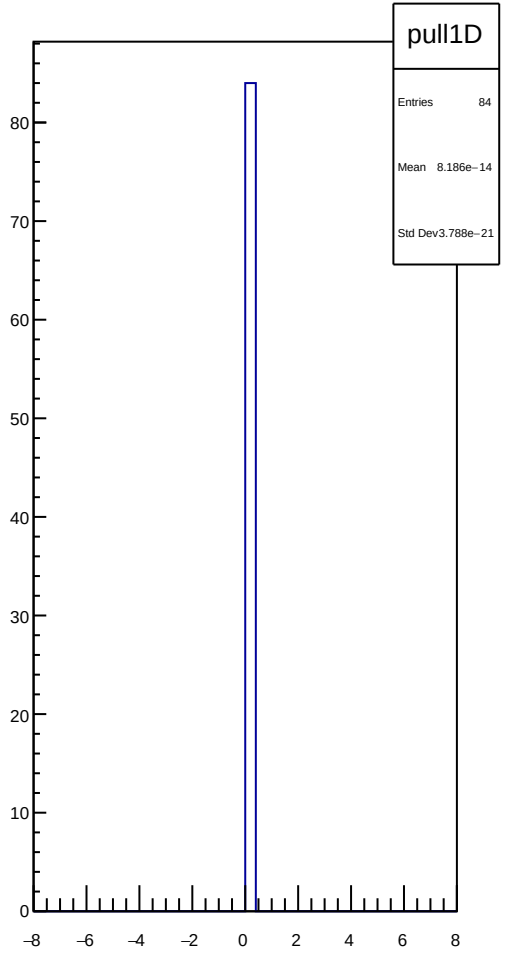

dit_sam7_4eY_slope vs run
χ² / ndf 4.903e−25 / 83
p0 −11.75 ± 0.00761
−11.68
−11.7
−11.72
−11.74
−11.76
−11.78
−11.8
−11.82
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

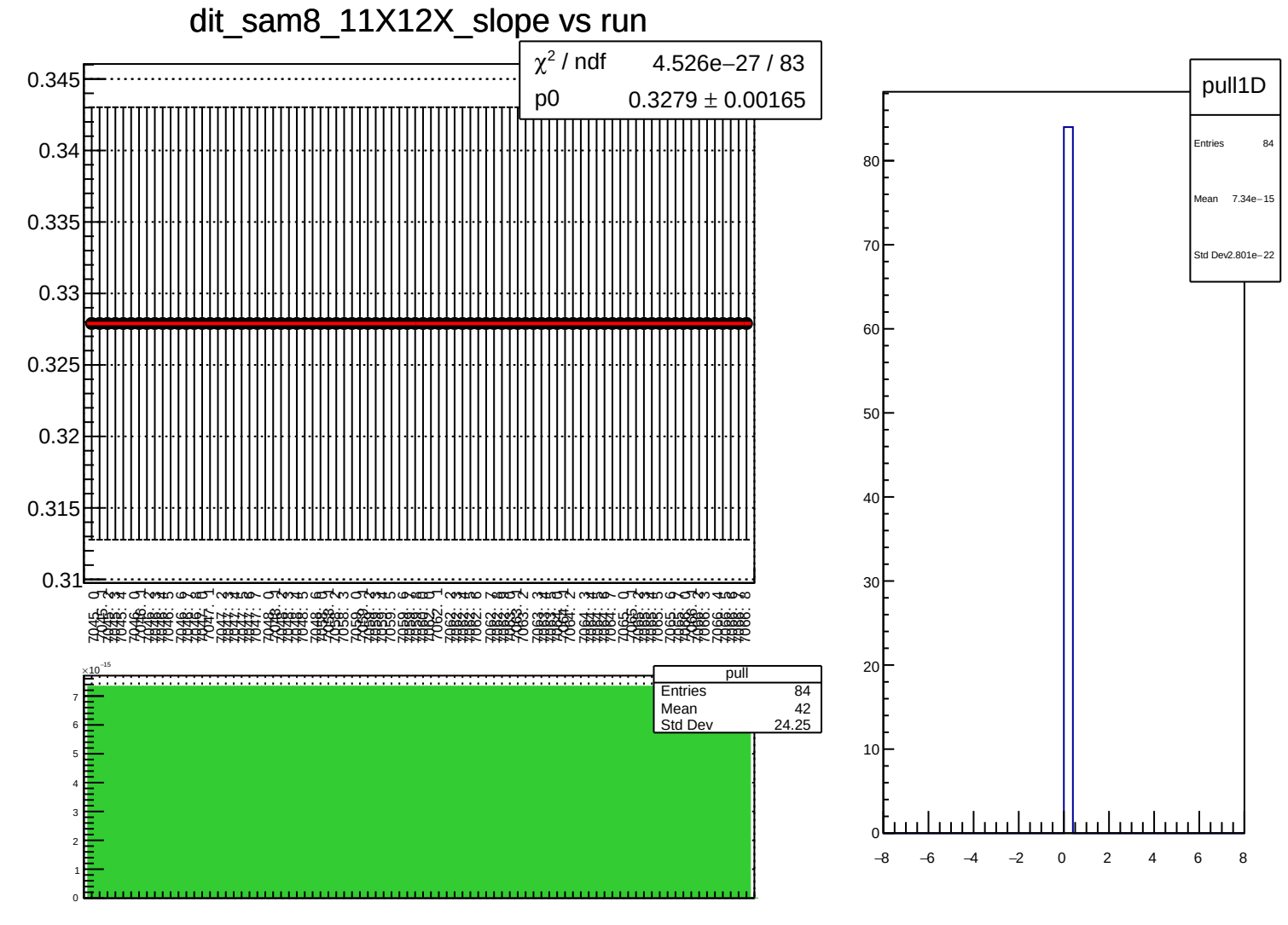

pull1D
Entries 84
Mean −7.64e−14
Std Dev3.054e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

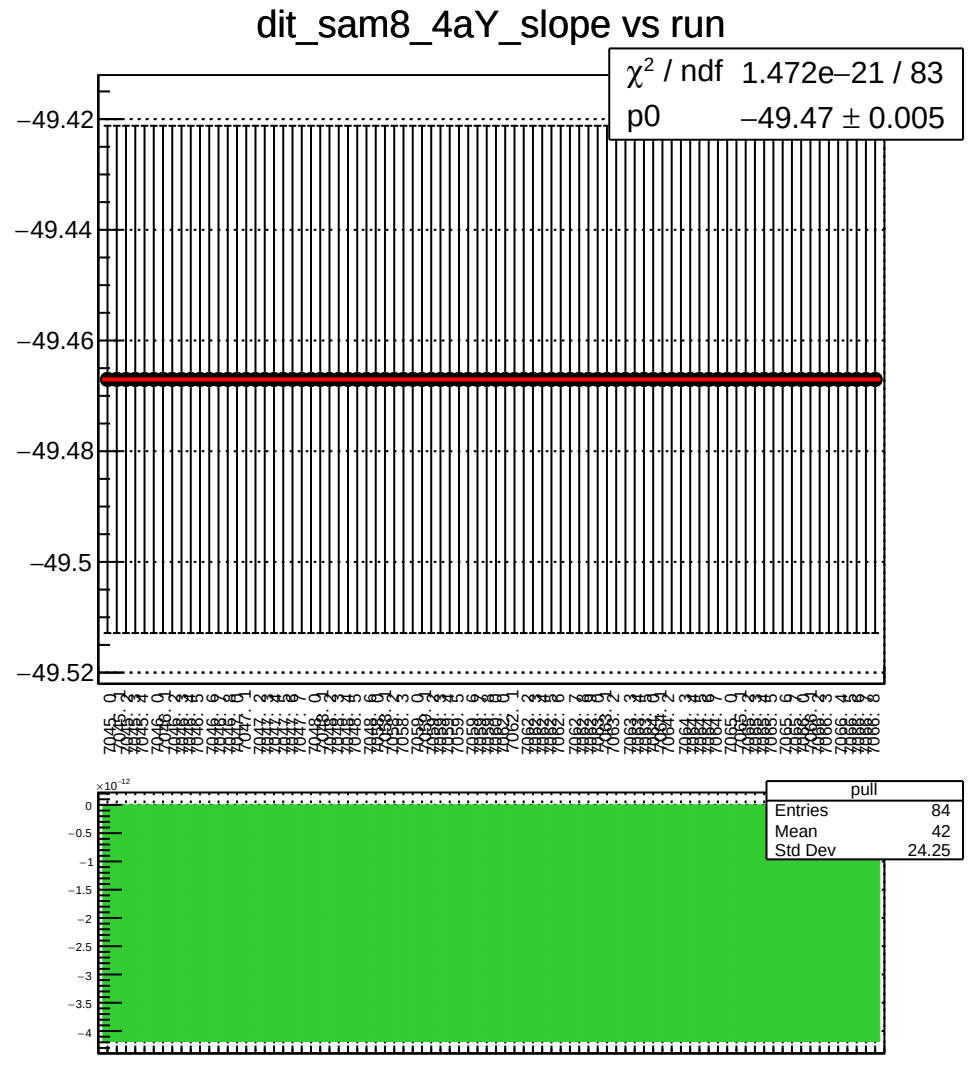

dit_sam8_4aX_slope vs run
χ^2 / ndf 1.602e−24 / 83
p0 26.94 ± 0.07016
27.6
27.4
27.2
27
26.8
26.6
26.4
26.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

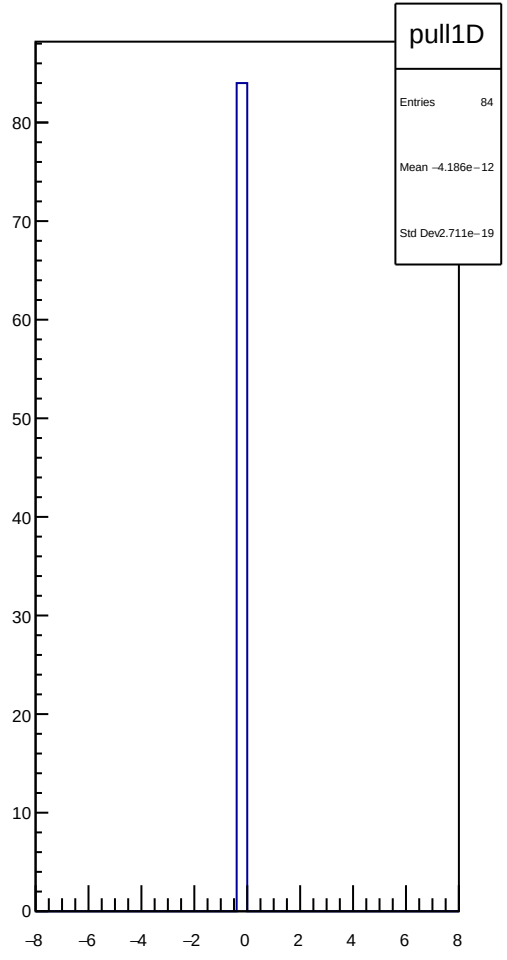

pull1D
Entries 84
Mean −1.381e−13
Std Dev1.071e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

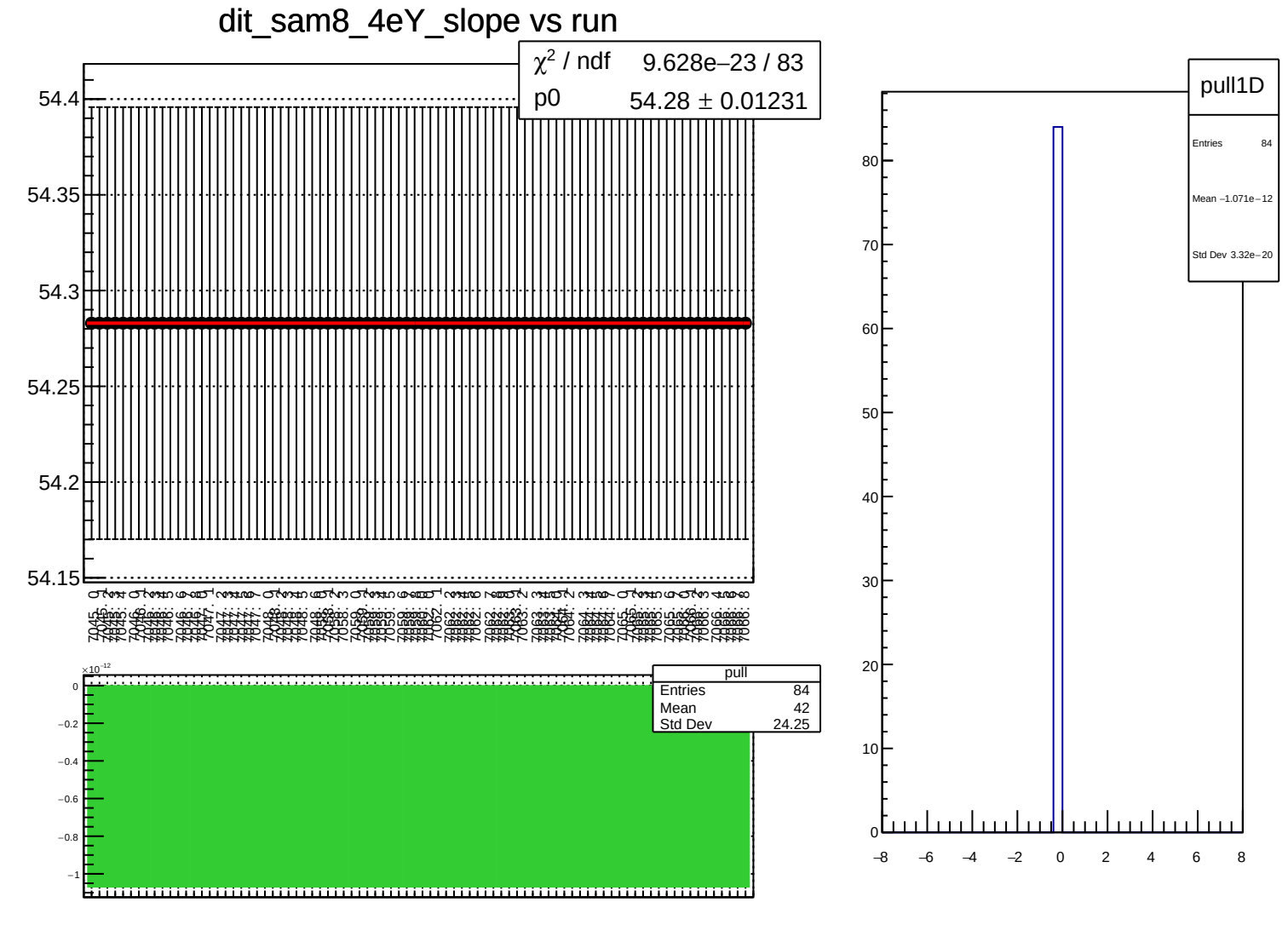

dit_sam8_4eX_slope vs run
χ² / ndf 5.629e−25 / 83
p0 −54.8 ± 0.05682
−54.2
−54.4
−54.6
−54.8
−55
−55.2
−55.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

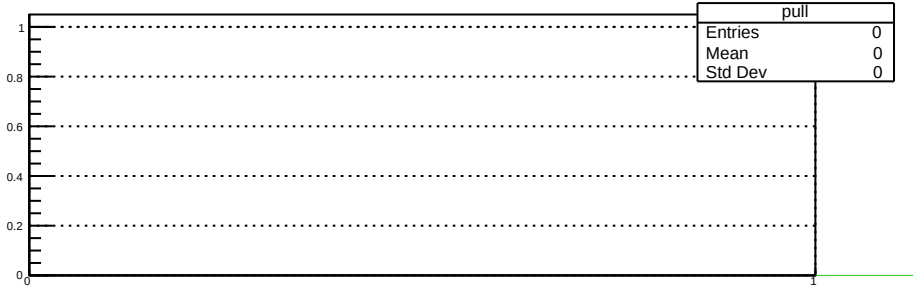

pull1D
Entries 84
Mean 8.186e−14
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

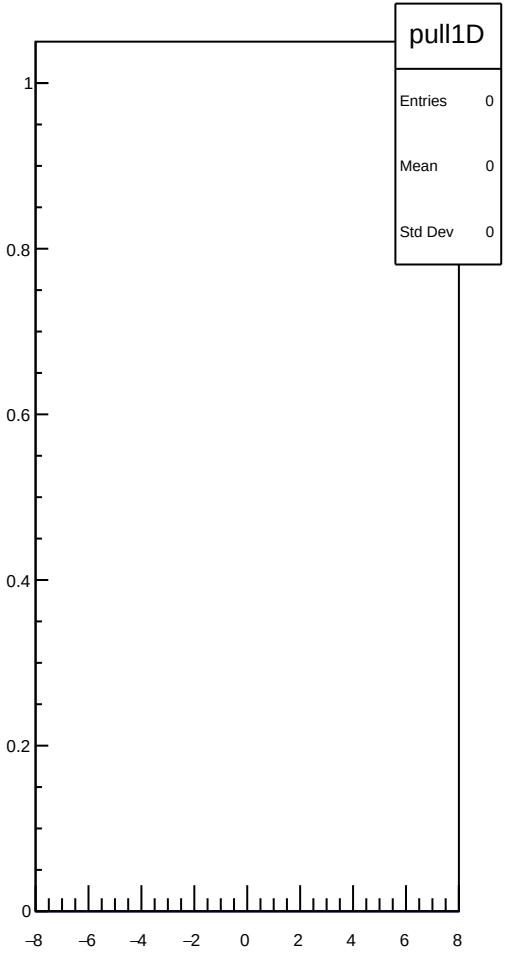

dit_sam8_11X12X_slope vs run
χ² / ndf 4.526e−27 / 83
p0 0.3279 ± 0.00165
0.345
0.34
0.335
0.33
0.325
0.32
0.315
0.31
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
pull1D
Entries 84
Mean 7.34e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

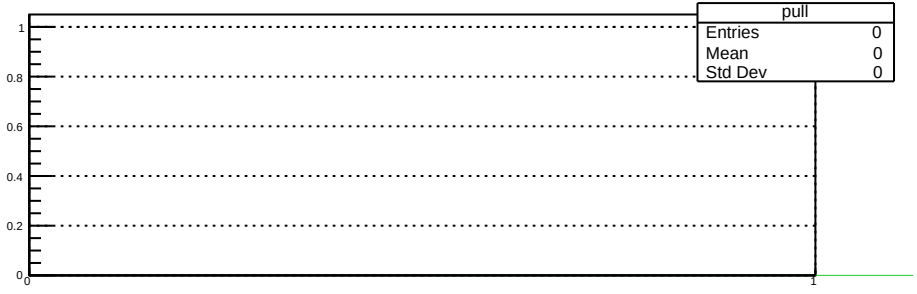

dit_sam8_4aY_slope vs run
χ² / ndf 1.472e−21 / 83
p0 −49.47 ± 0.005
−49.42
−49.44
−49.46
−49.48
−49.5
−49.52
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

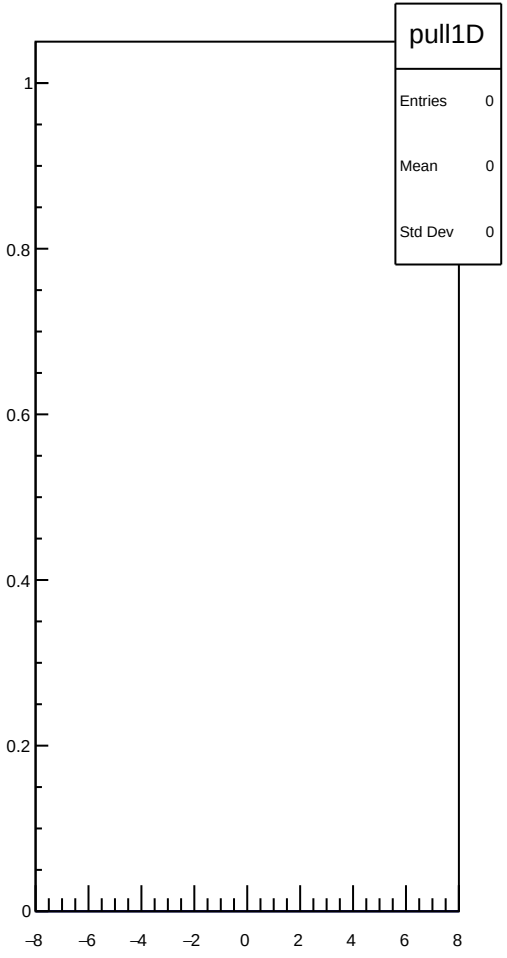

pull1D
Entries 84
Mean −4.186e−12
Std Dev 2.711e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

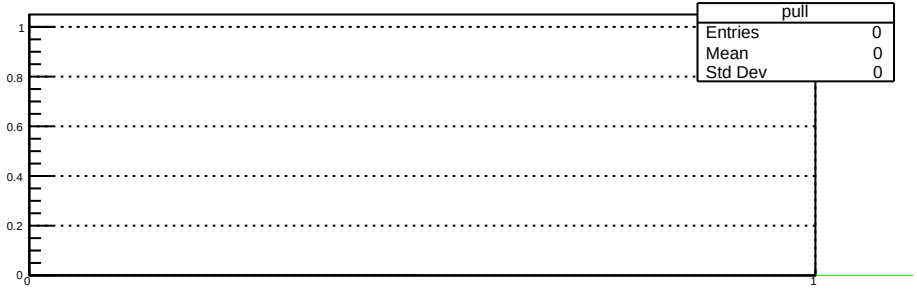

dit_sam8_4eY_slope vs run
χ² / ndf 9.628e−23 / 83
p0 54.28 ± 0.01231
54.4
54.35
54.3
54.25
54.2
54.15
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 84
Mean −1.071e−12
Std Dev 3.32e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

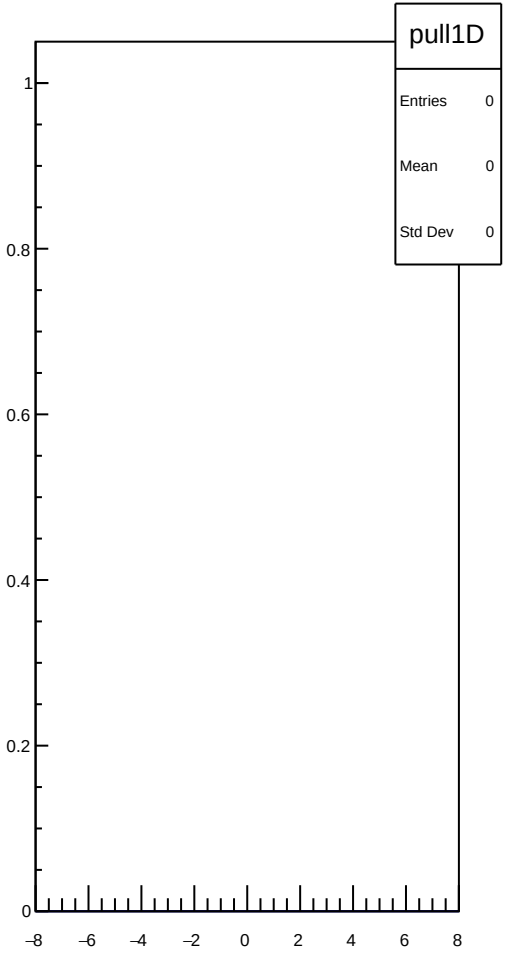

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

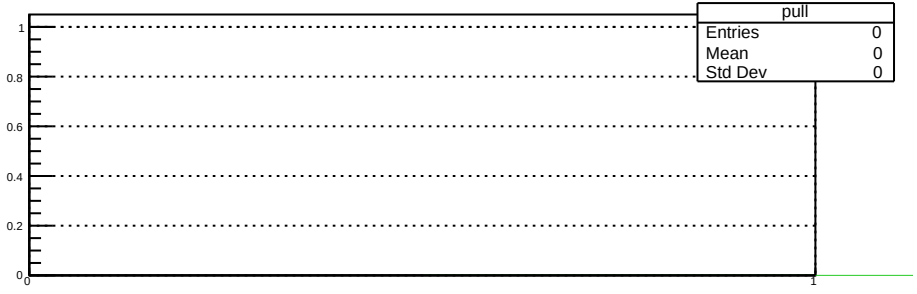

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

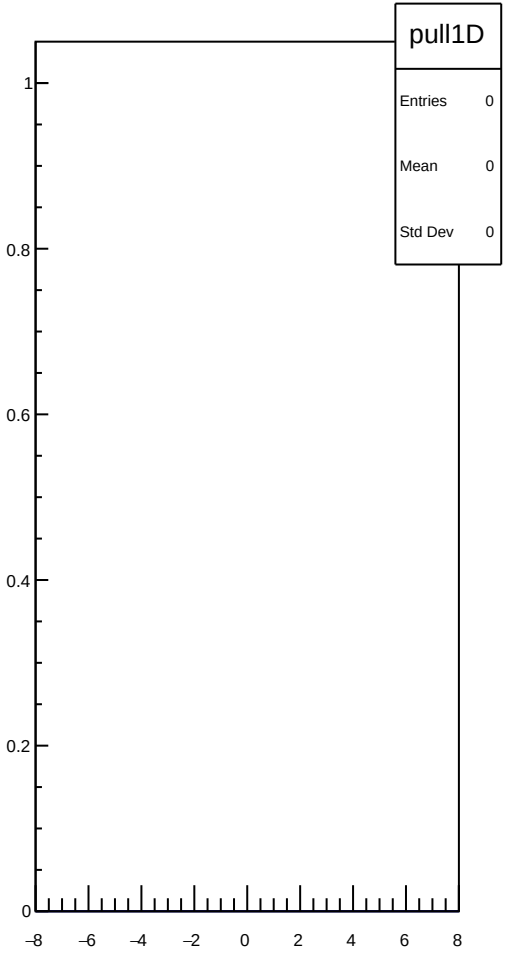

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

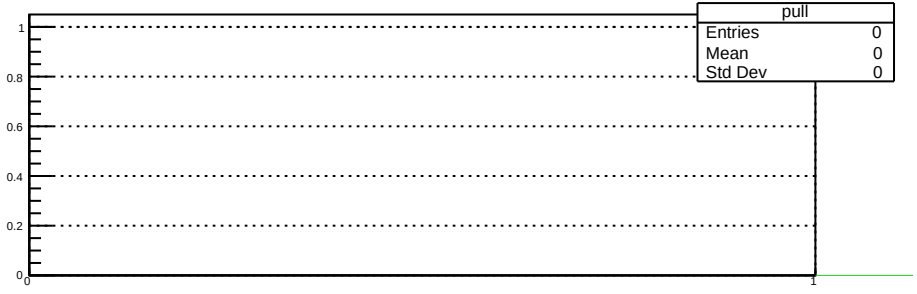

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

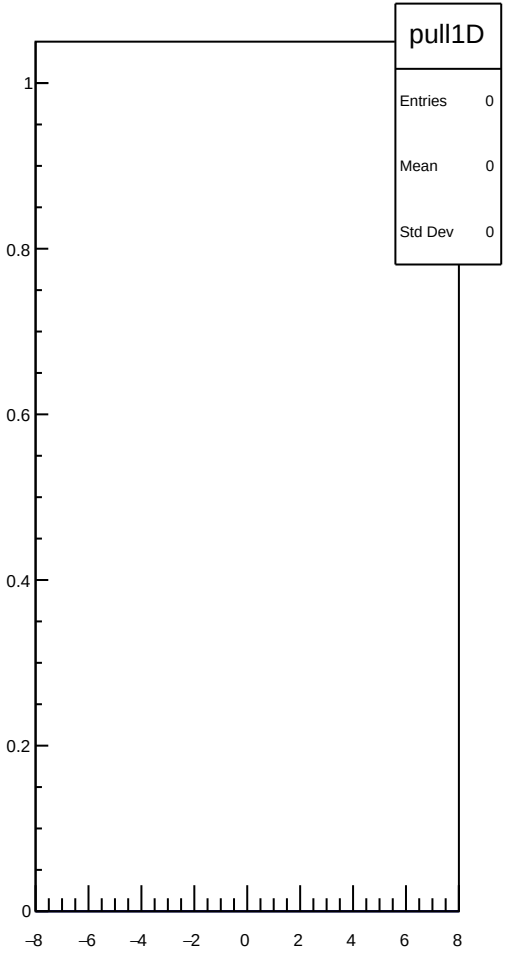

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

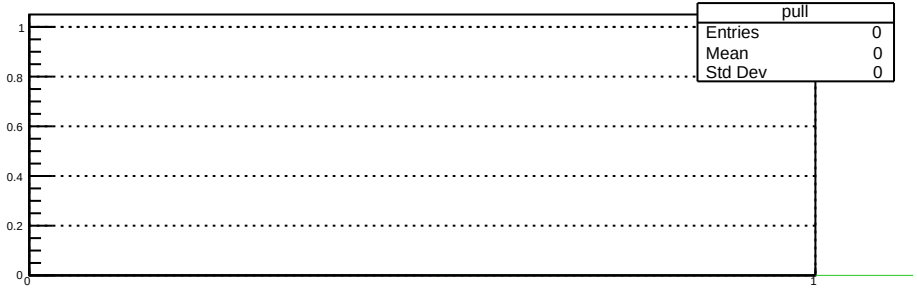

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

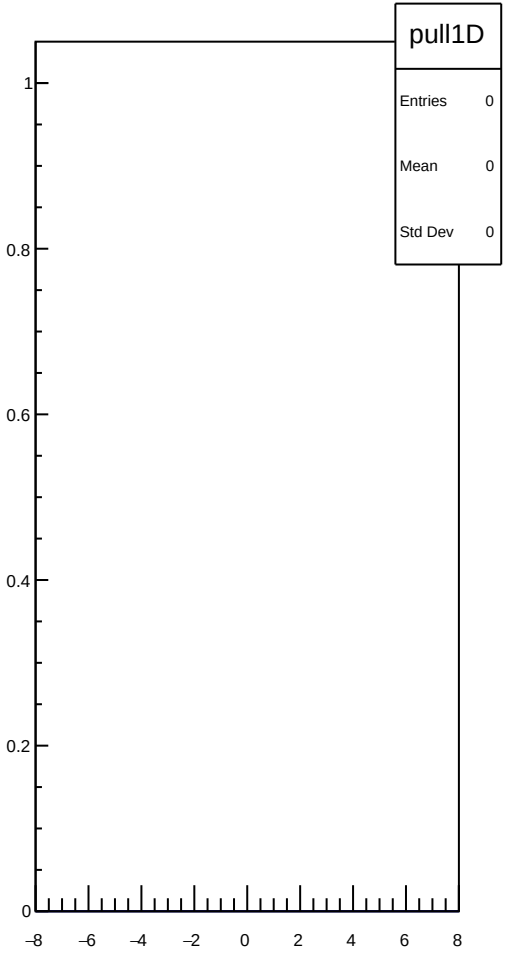

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

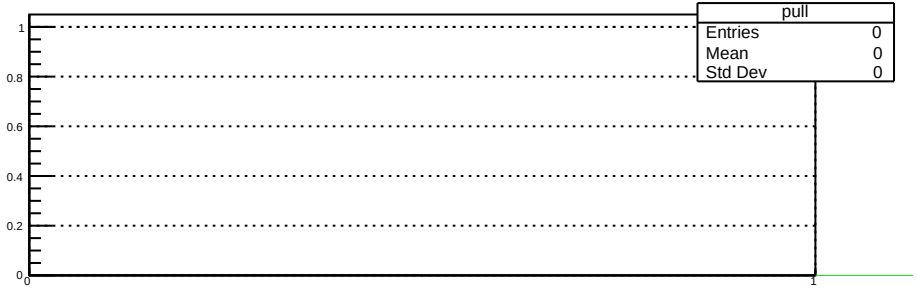

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
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6
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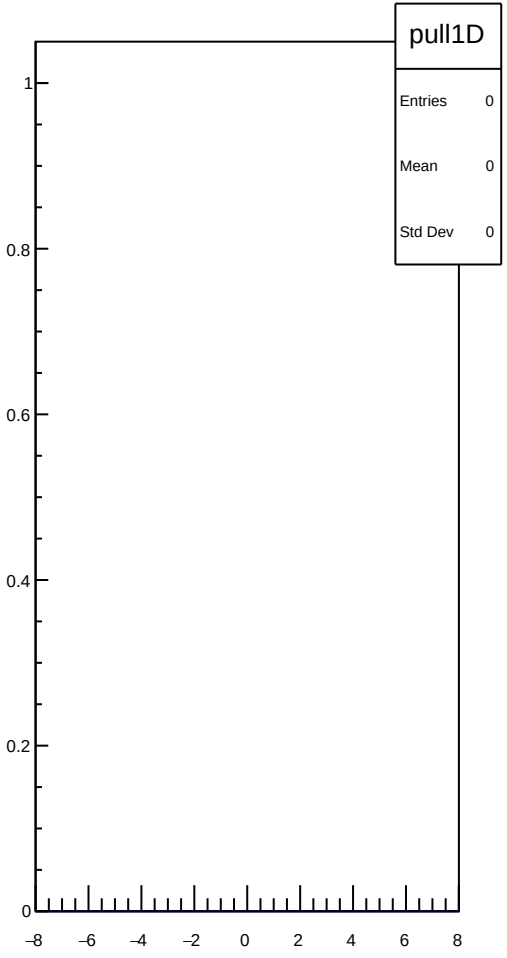

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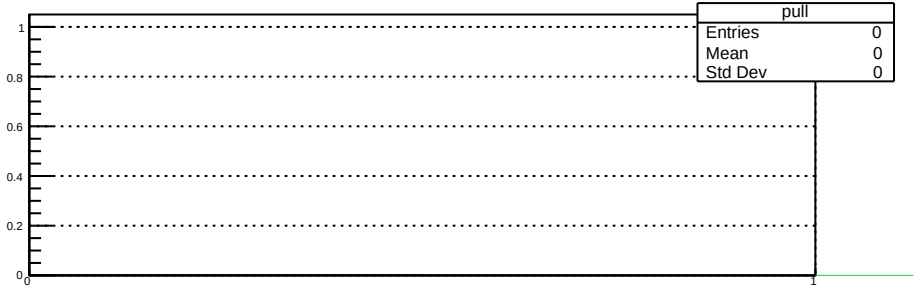

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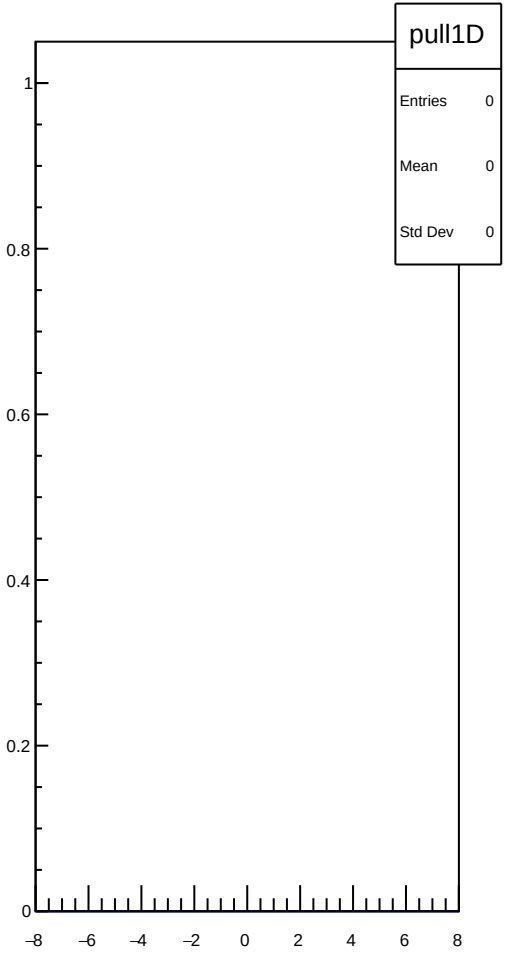

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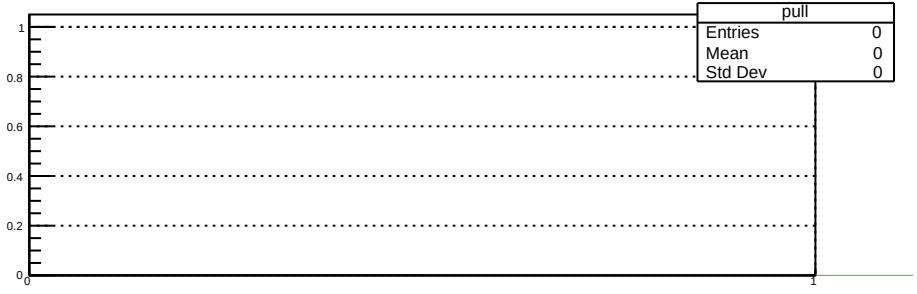

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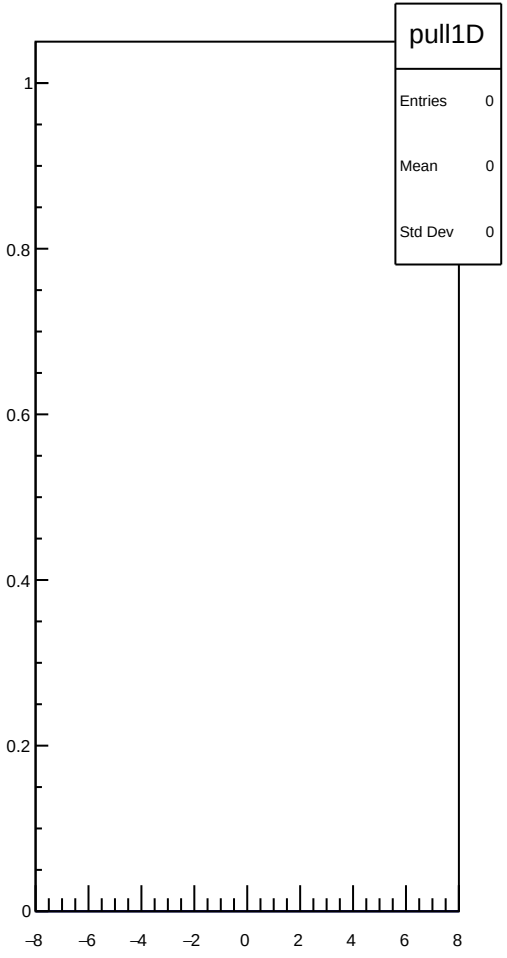

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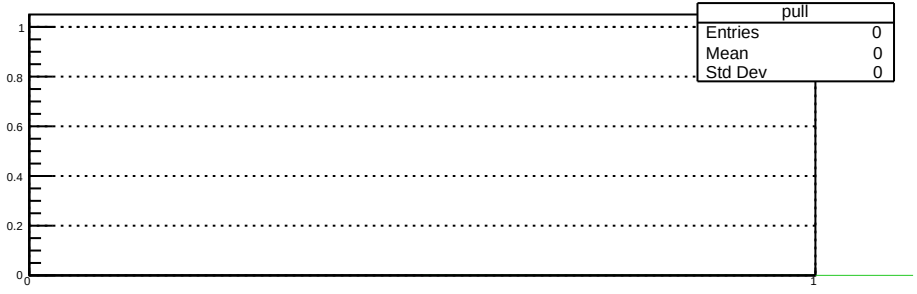

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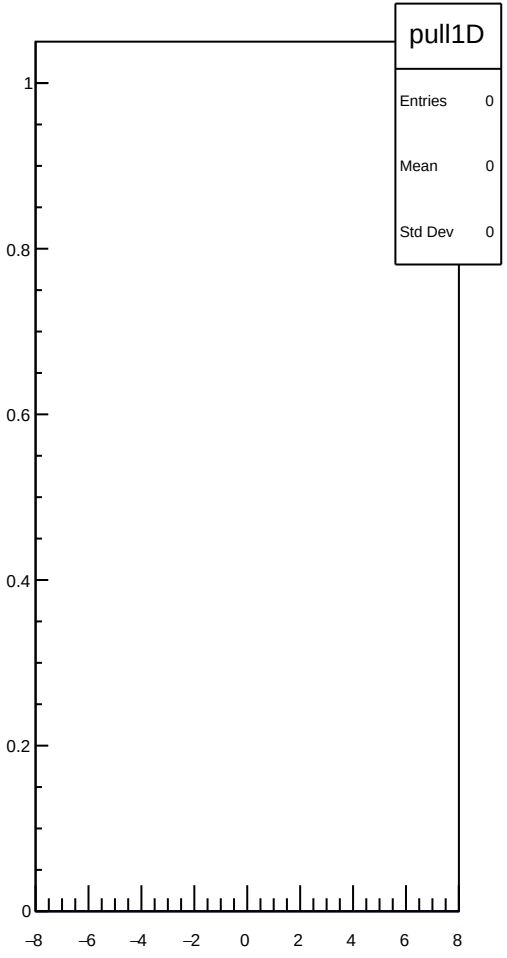

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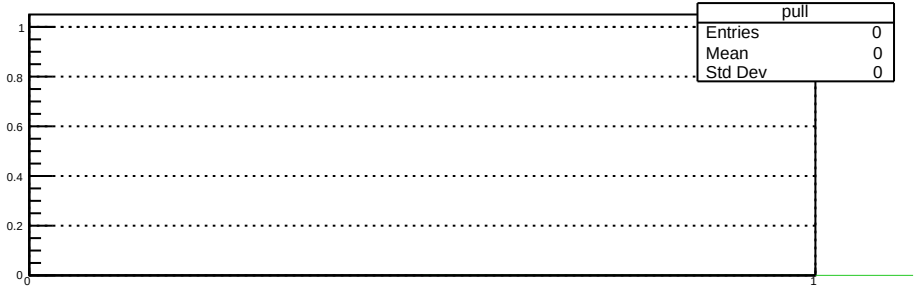

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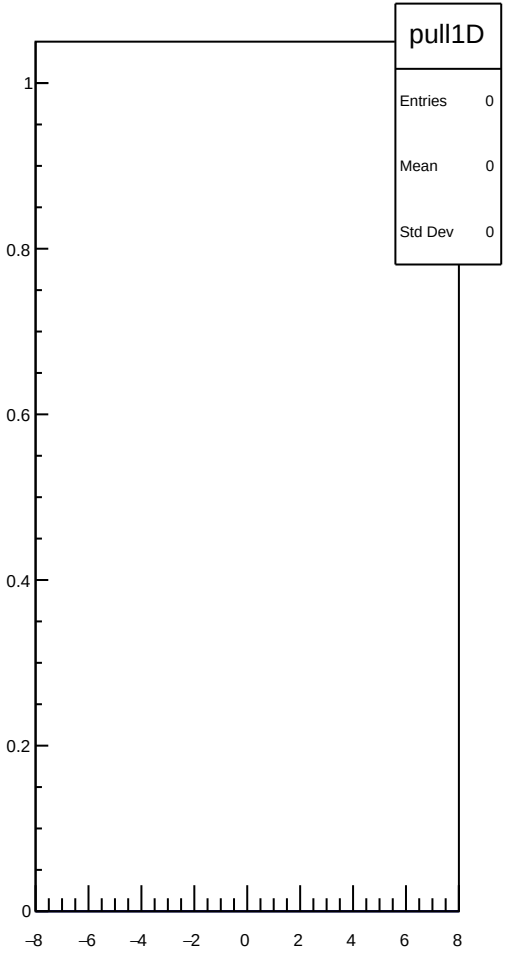

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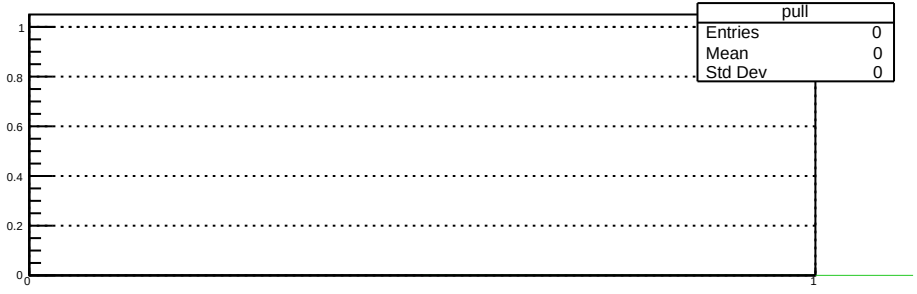

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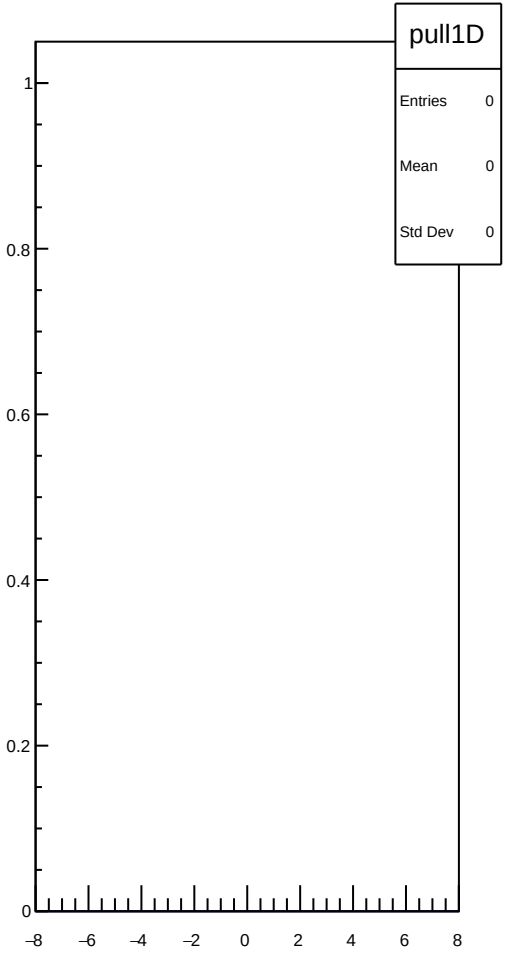

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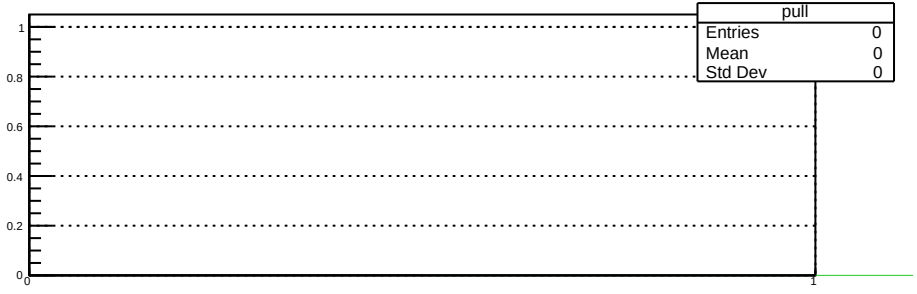

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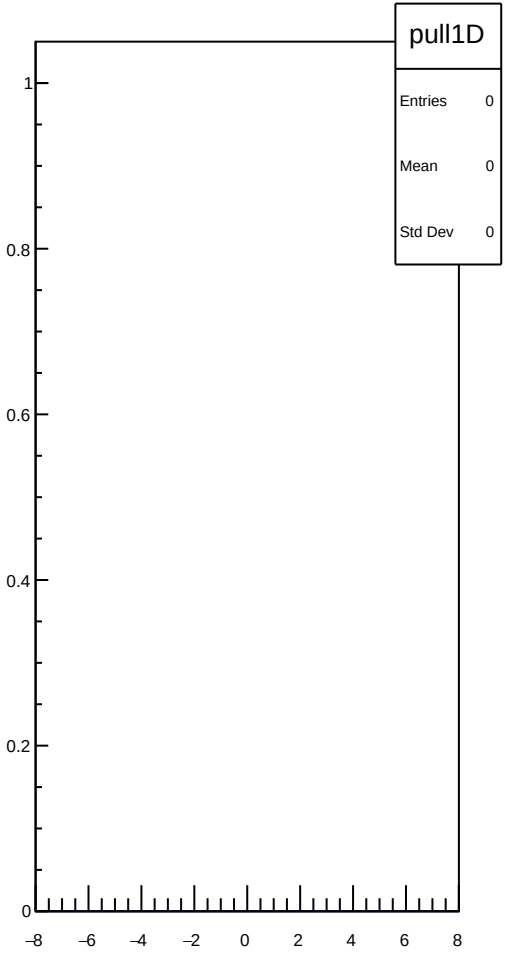

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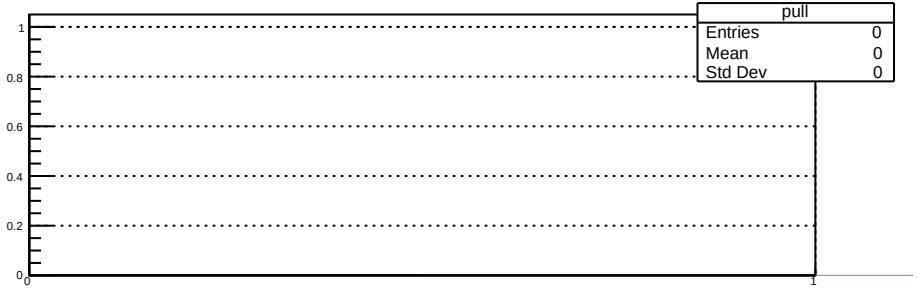

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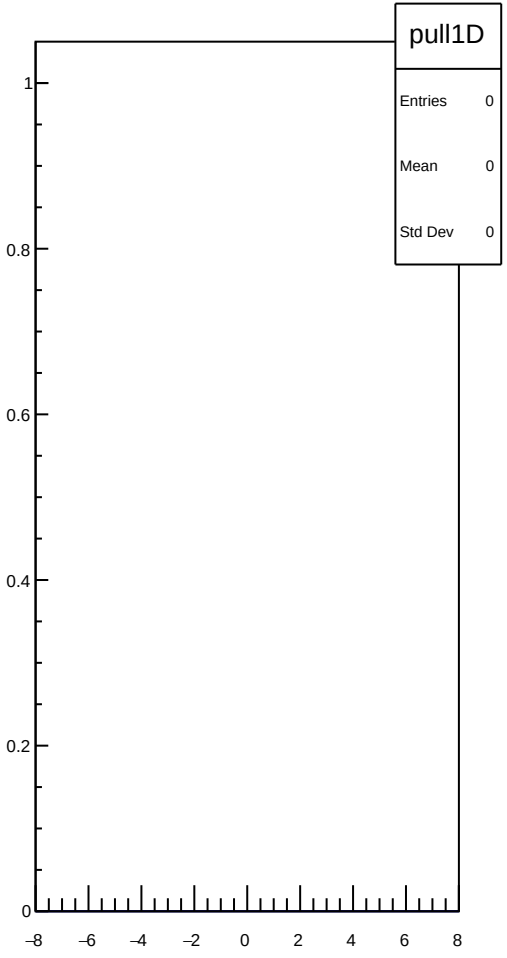

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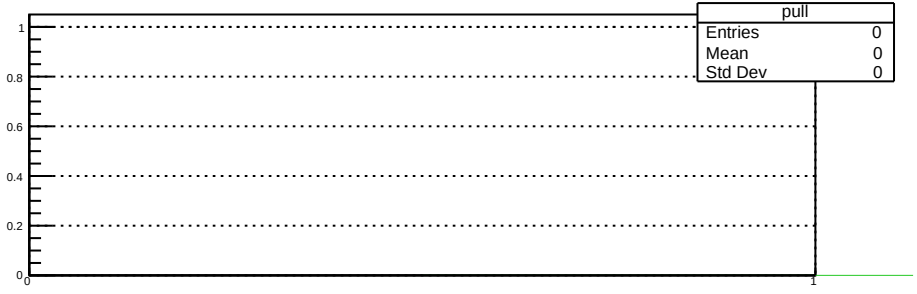

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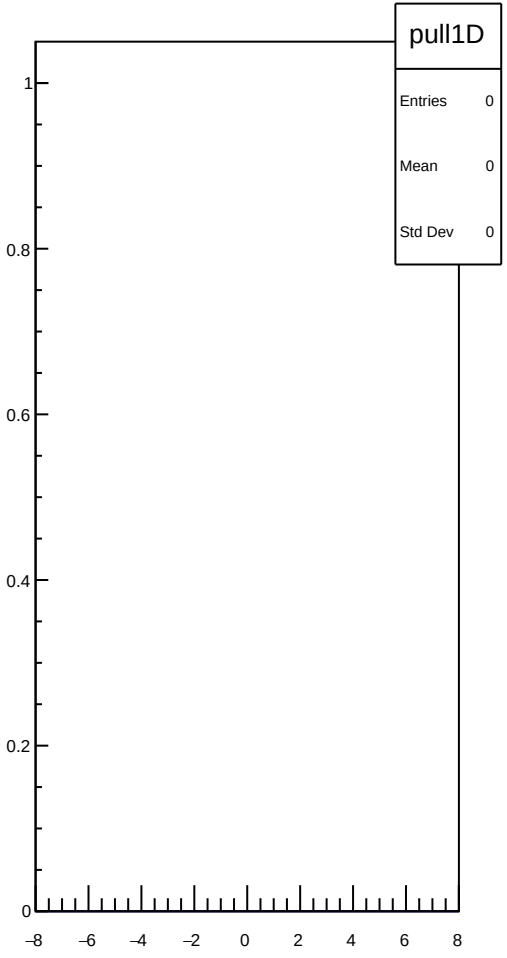

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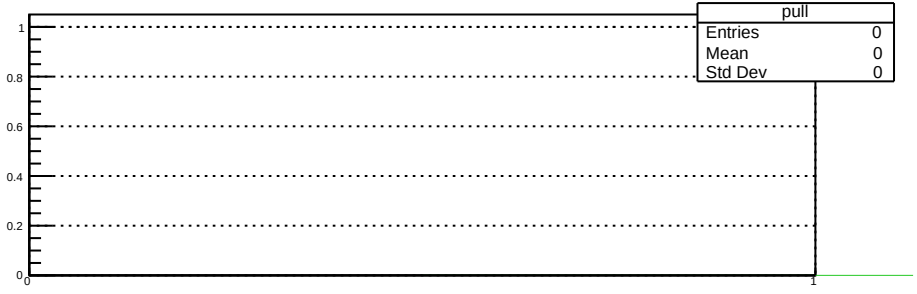

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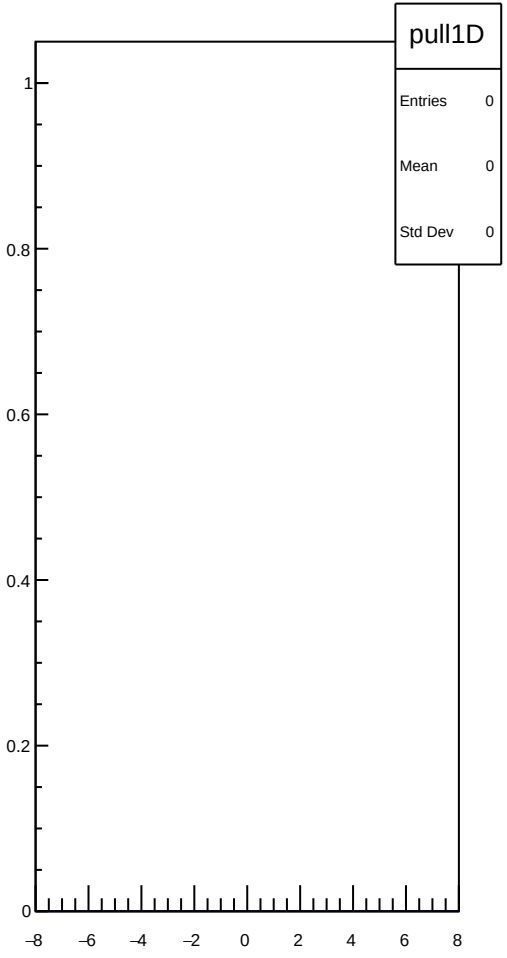

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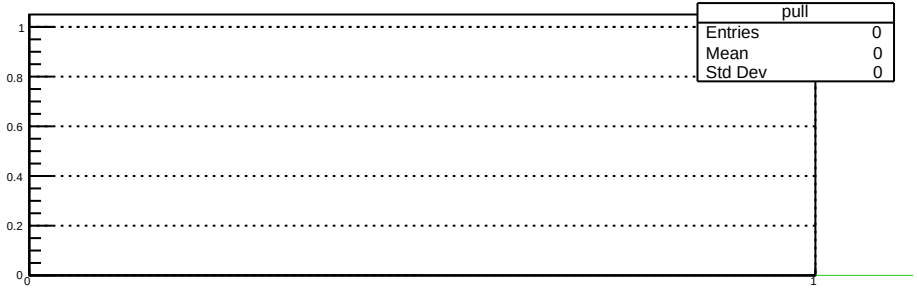

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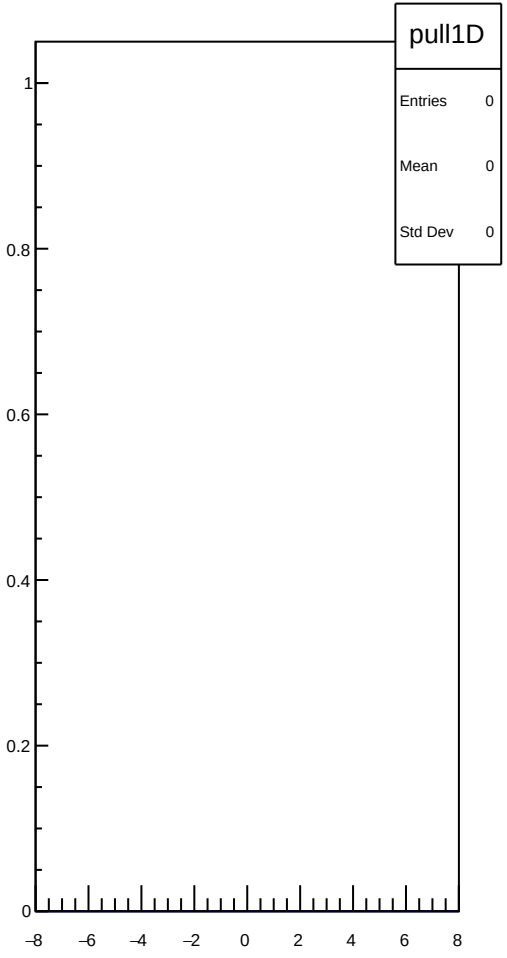

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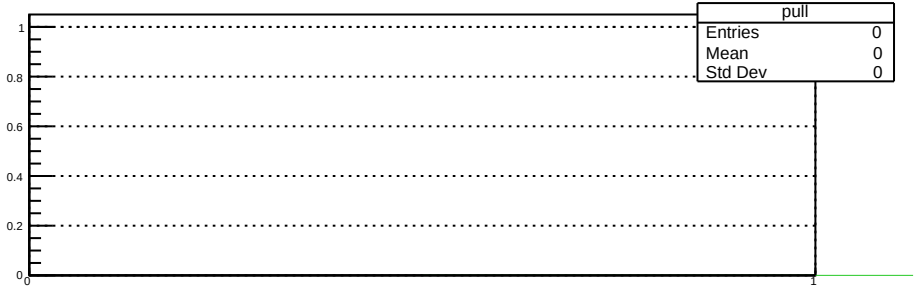

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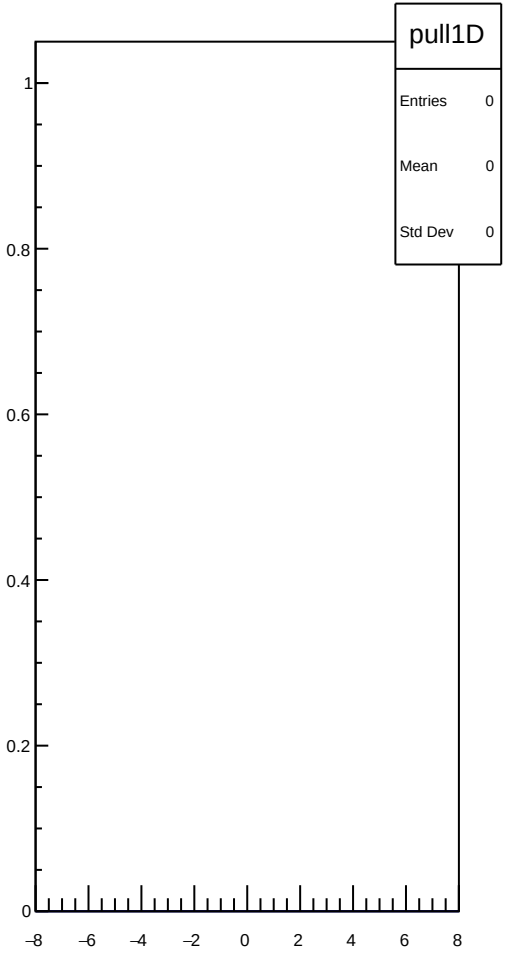

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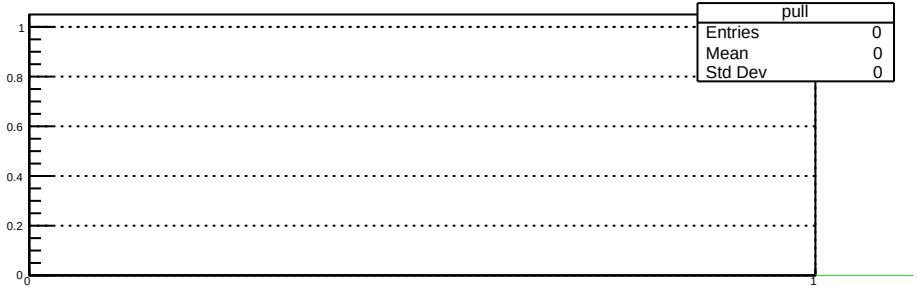

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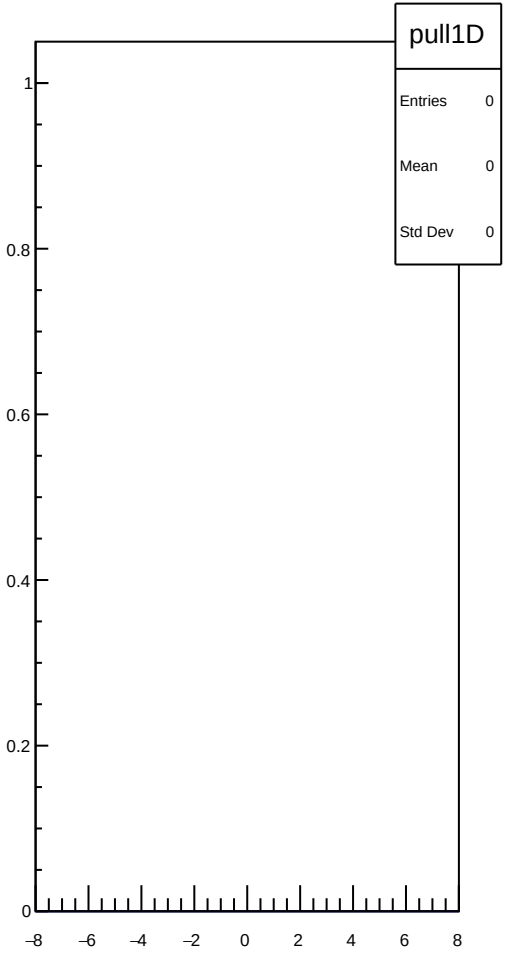

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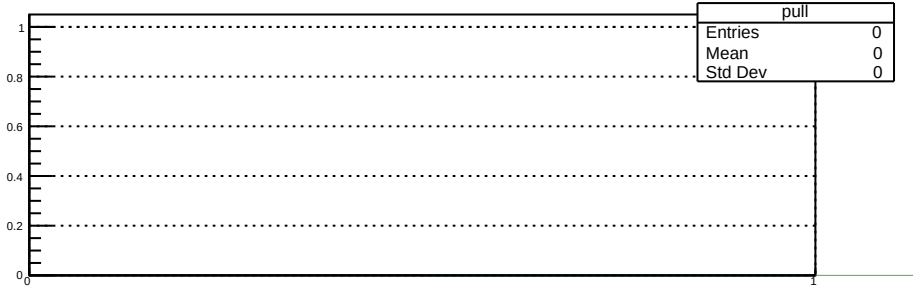

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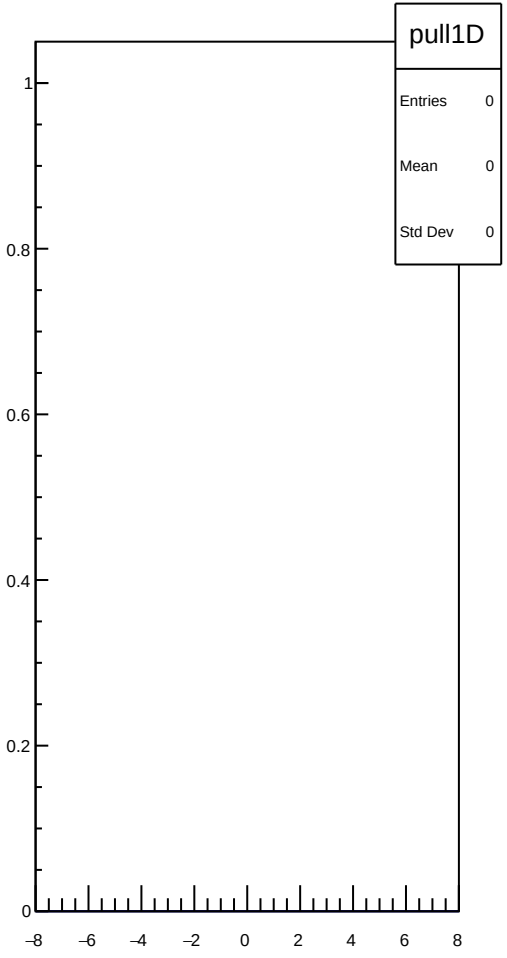

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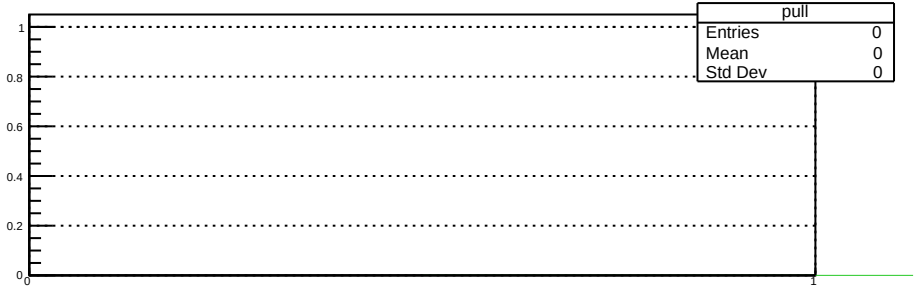

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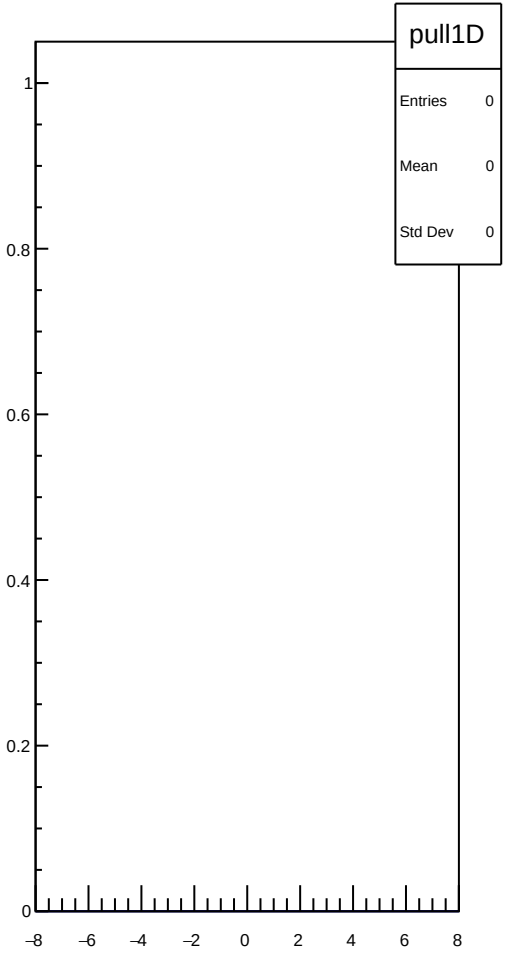

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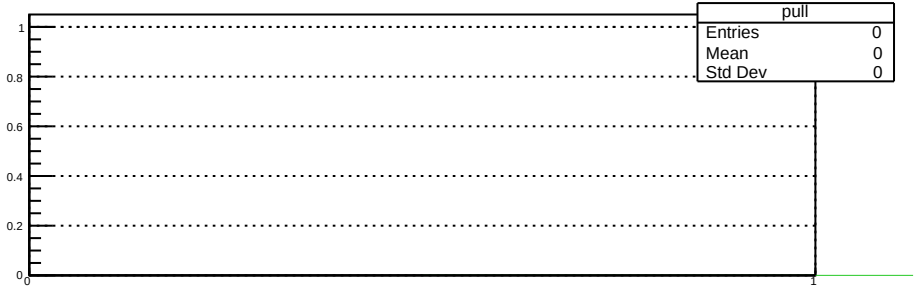

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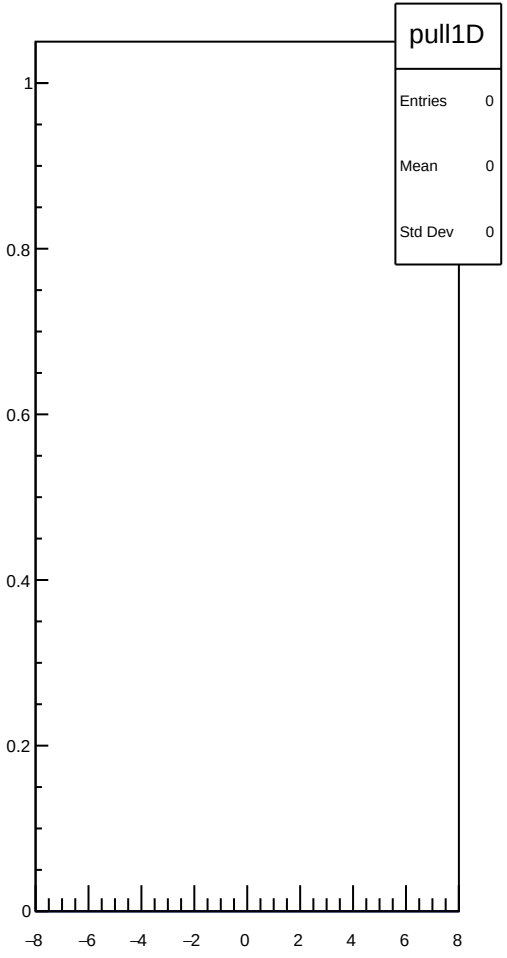

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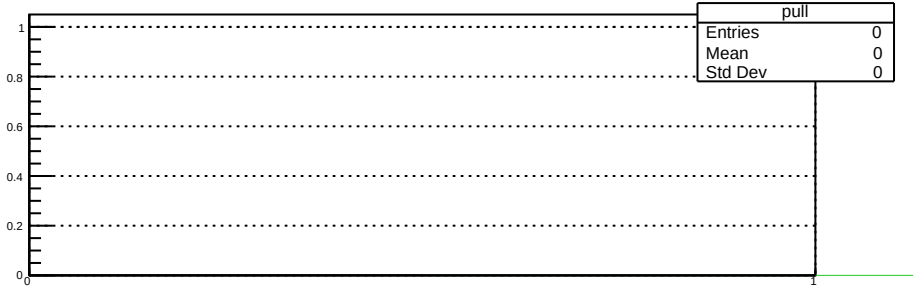

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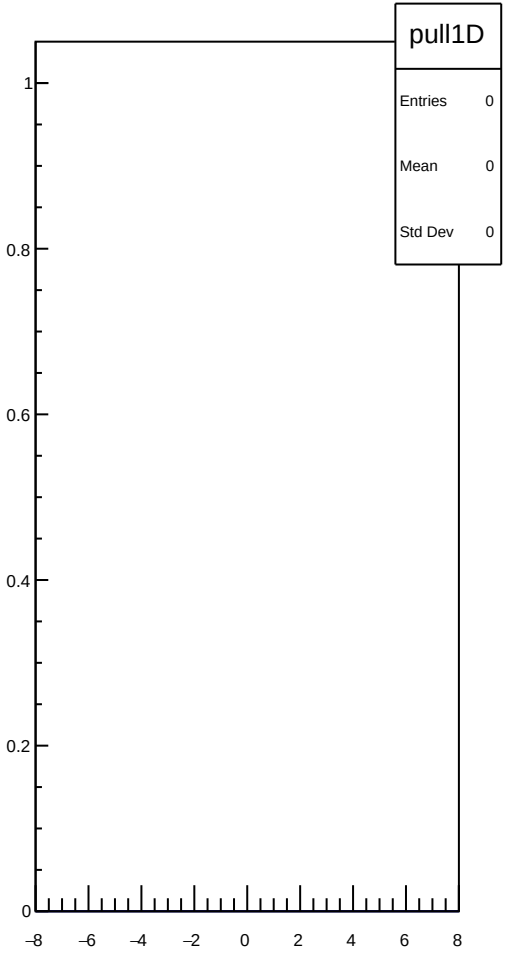

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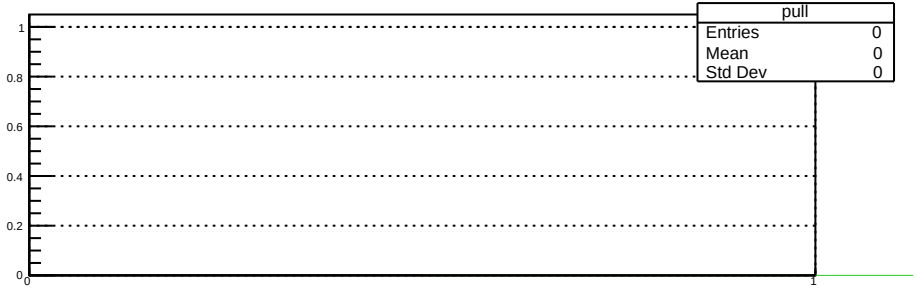

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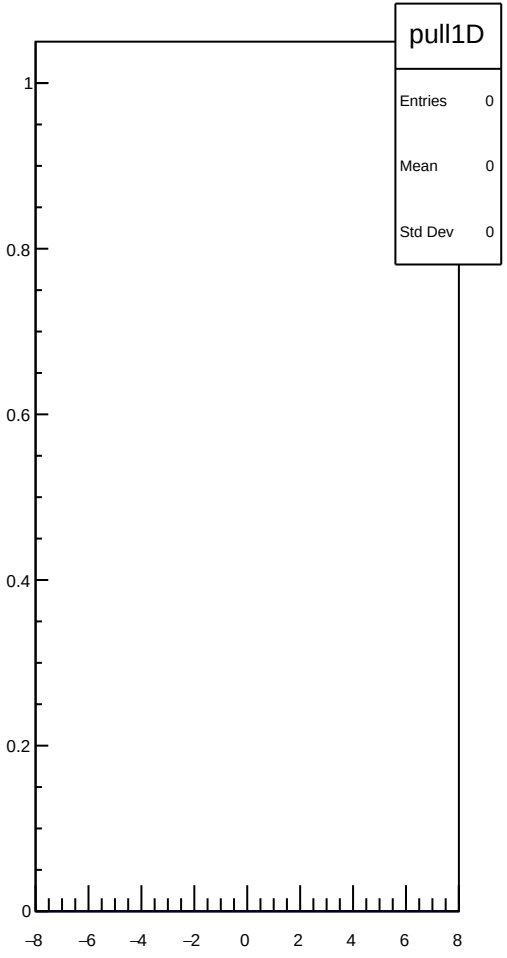

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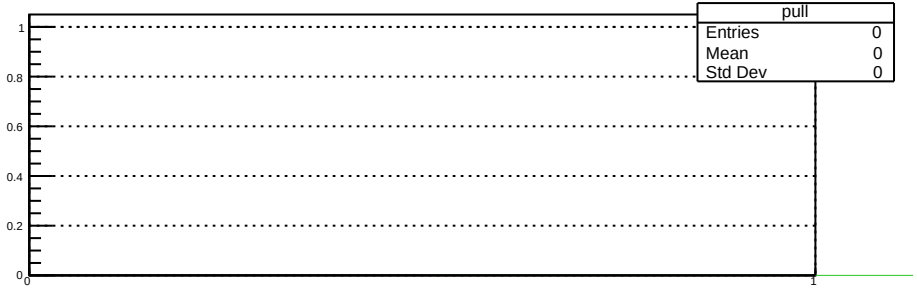

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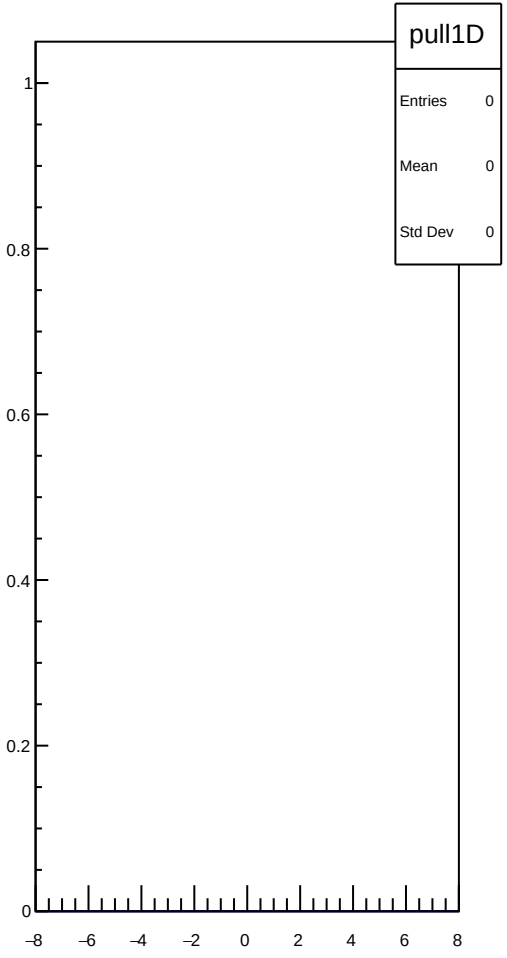

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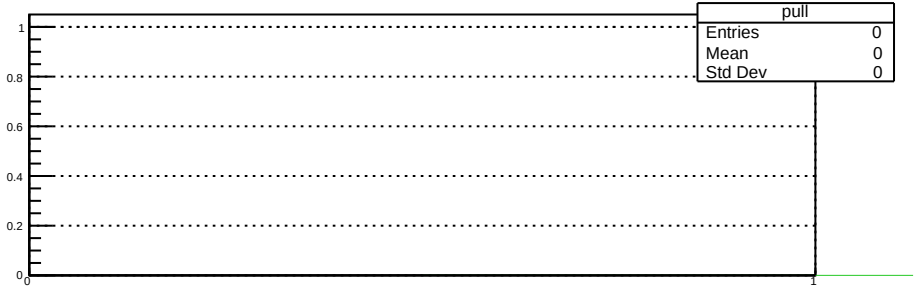

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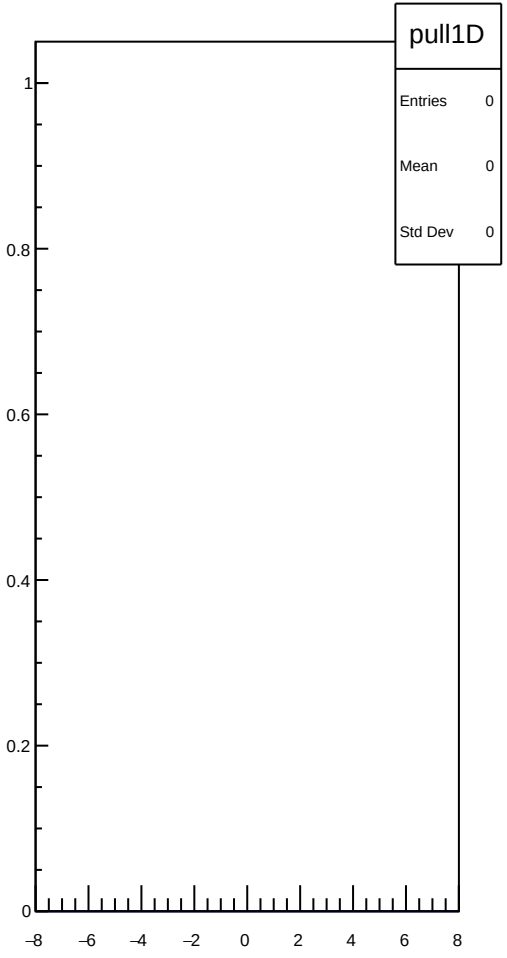

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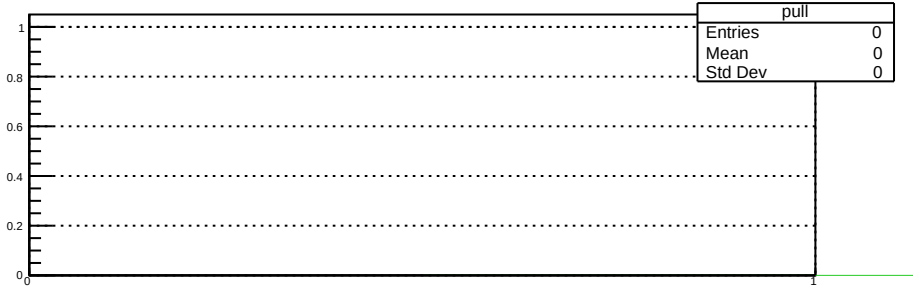

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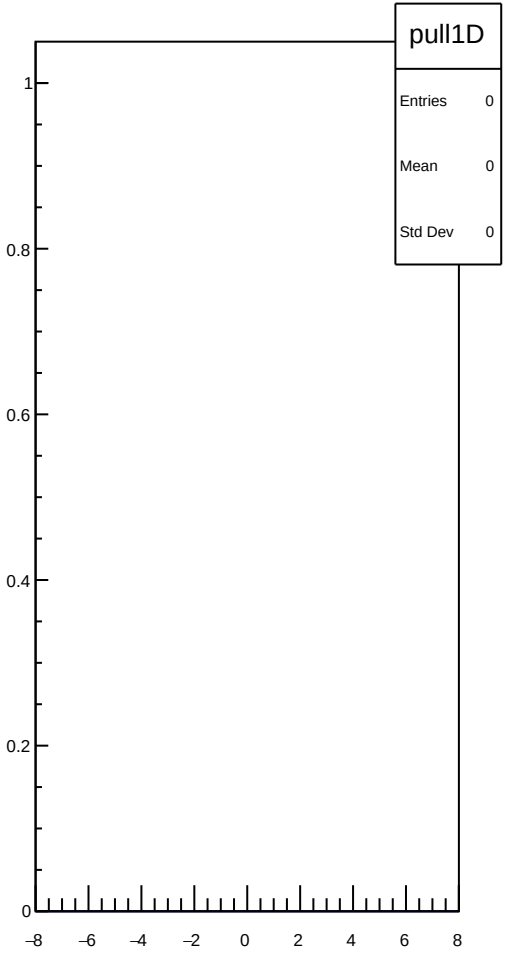

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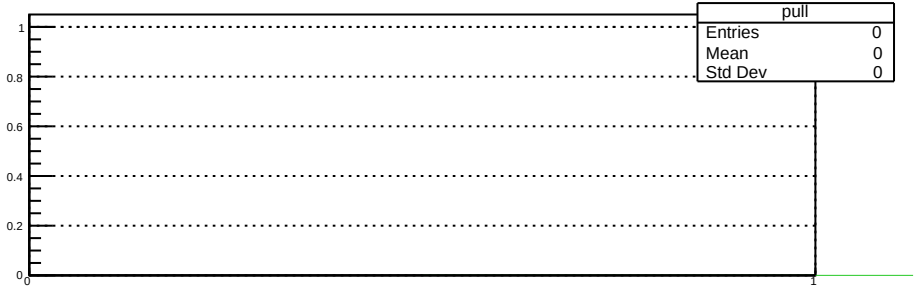

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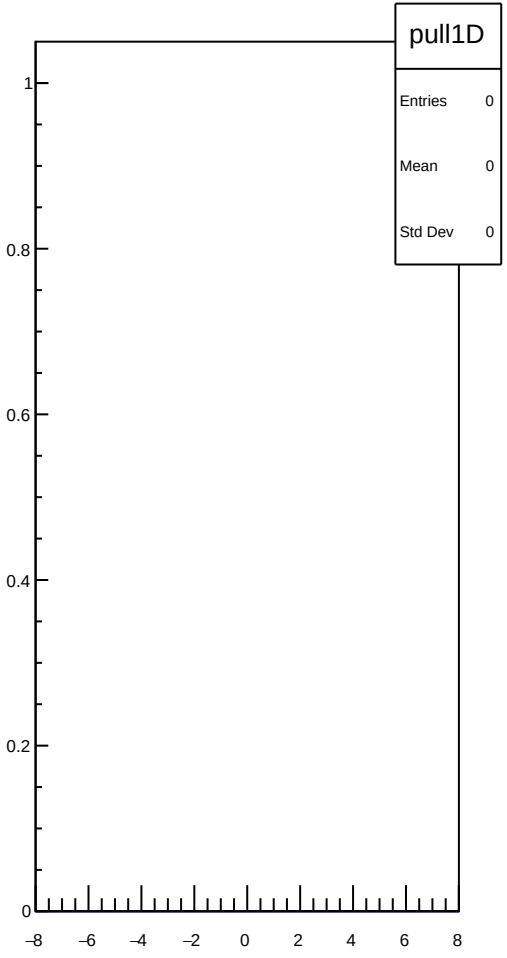

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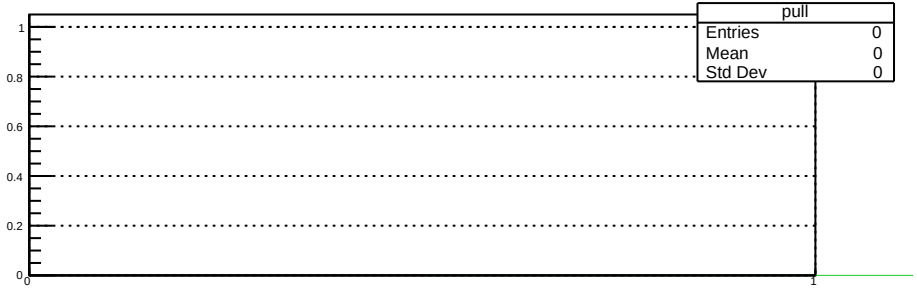

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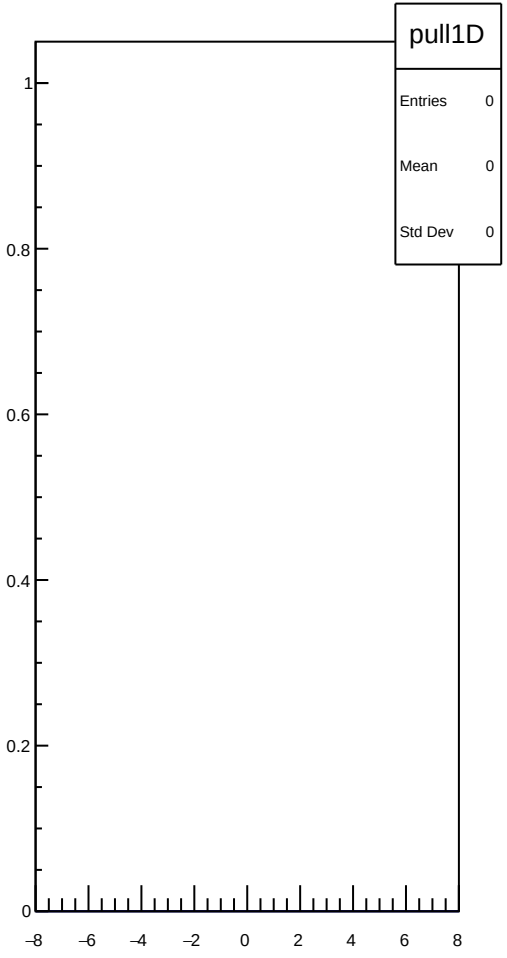

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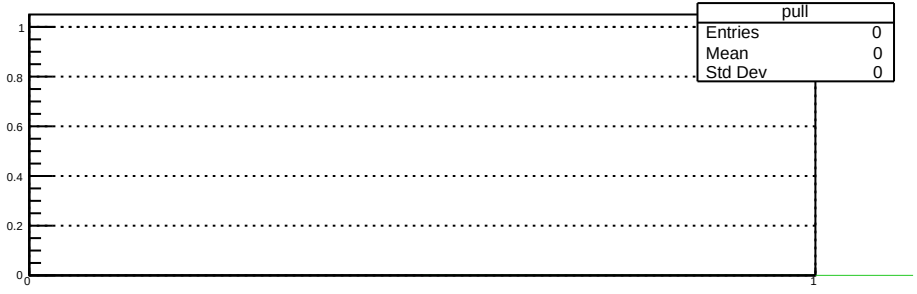

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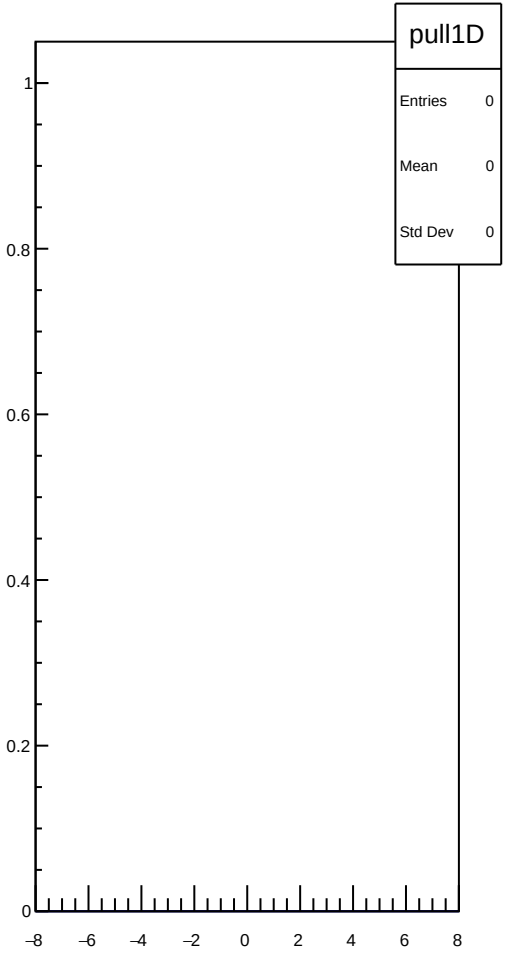

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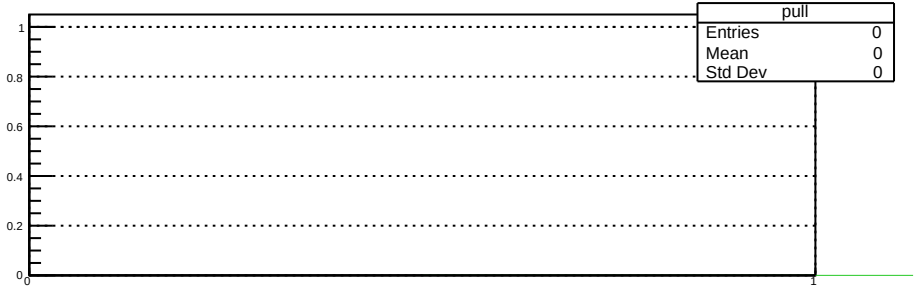

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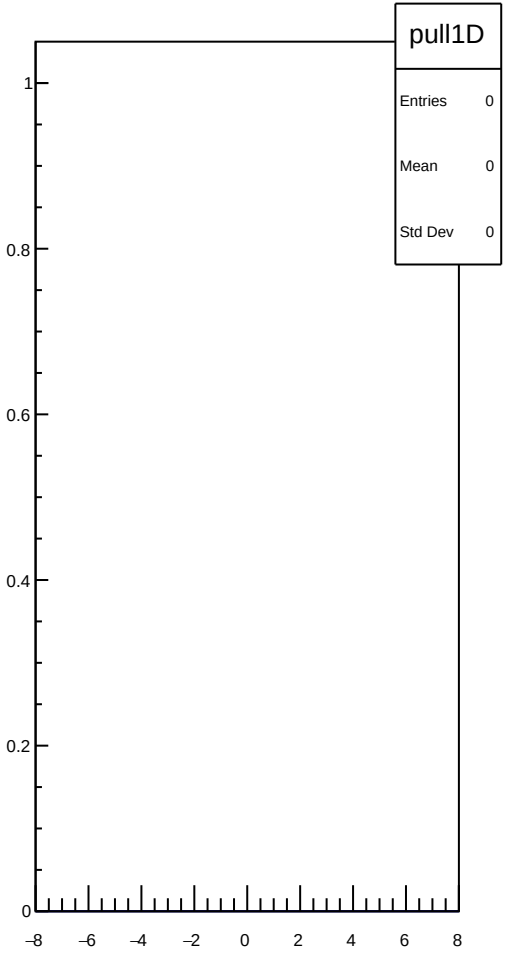

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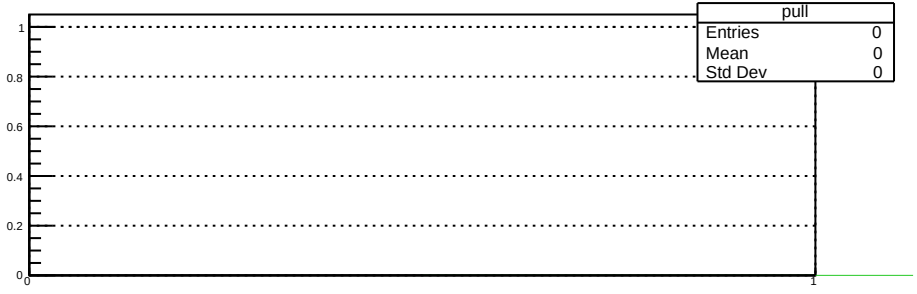

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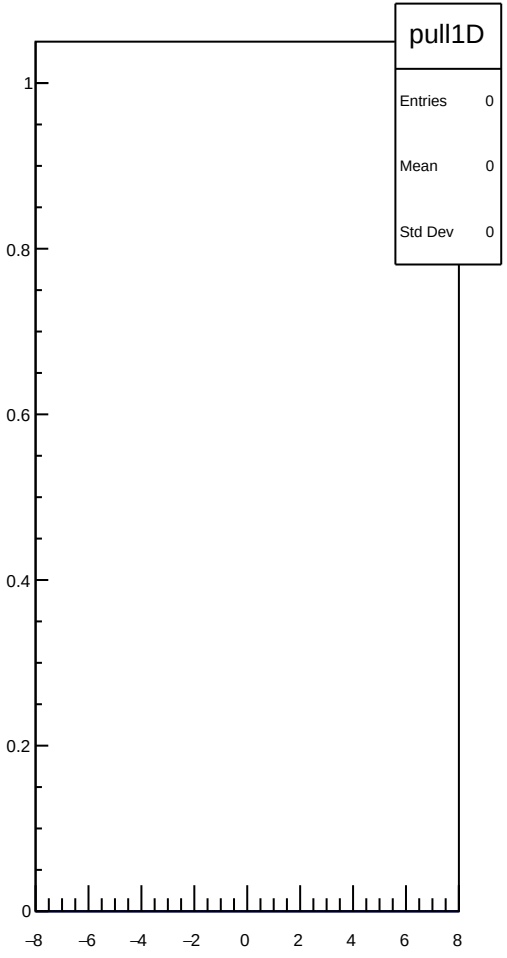

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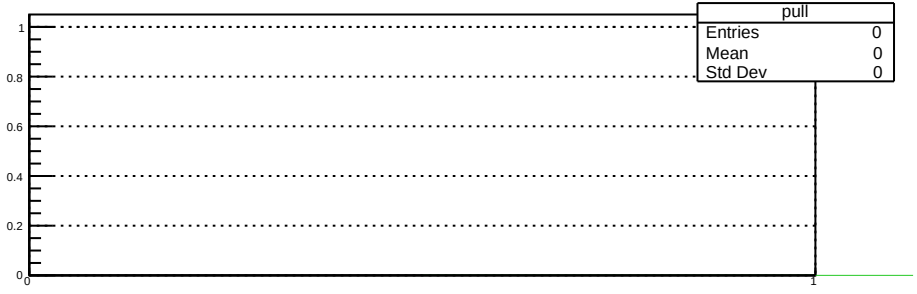

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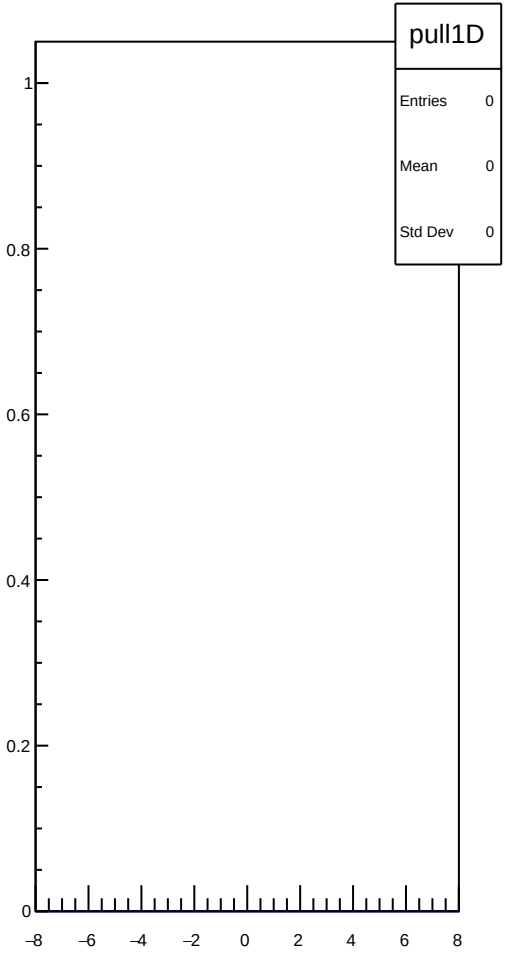

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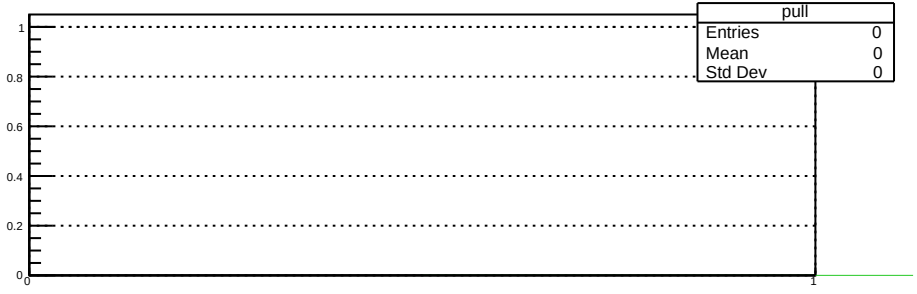

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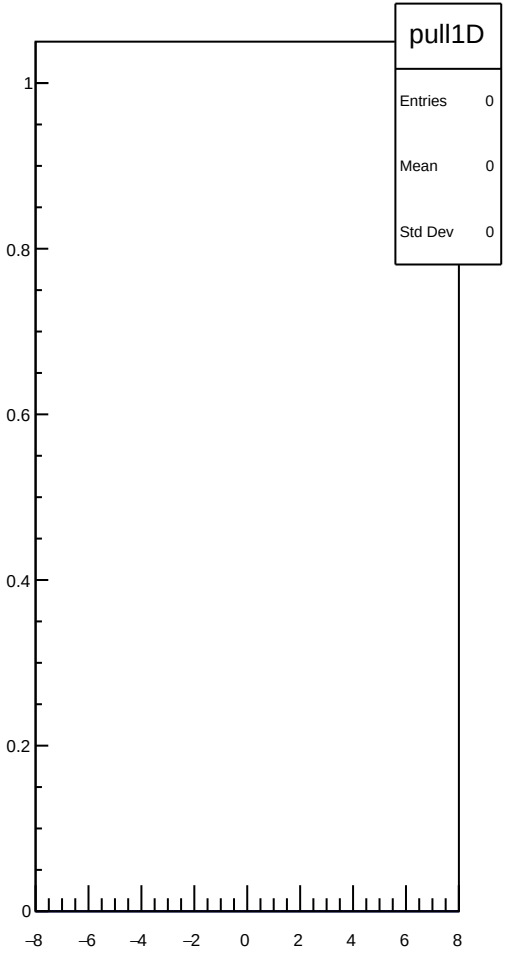

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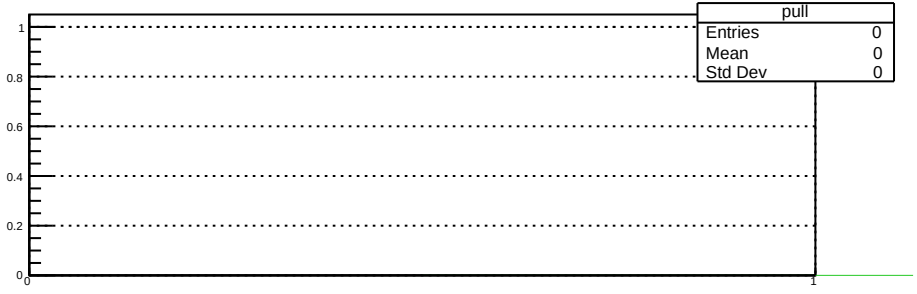

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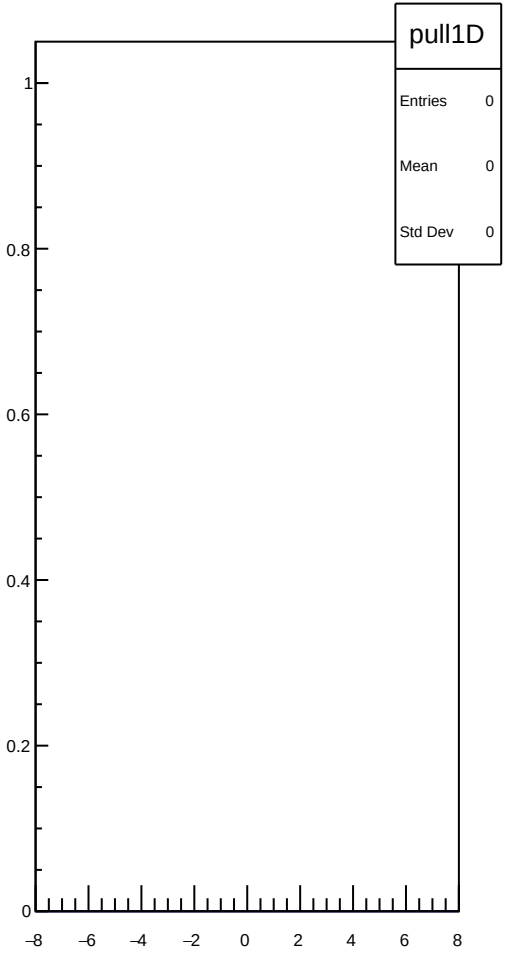

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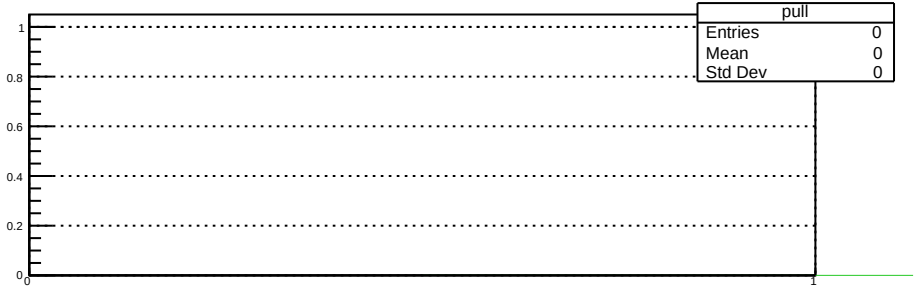

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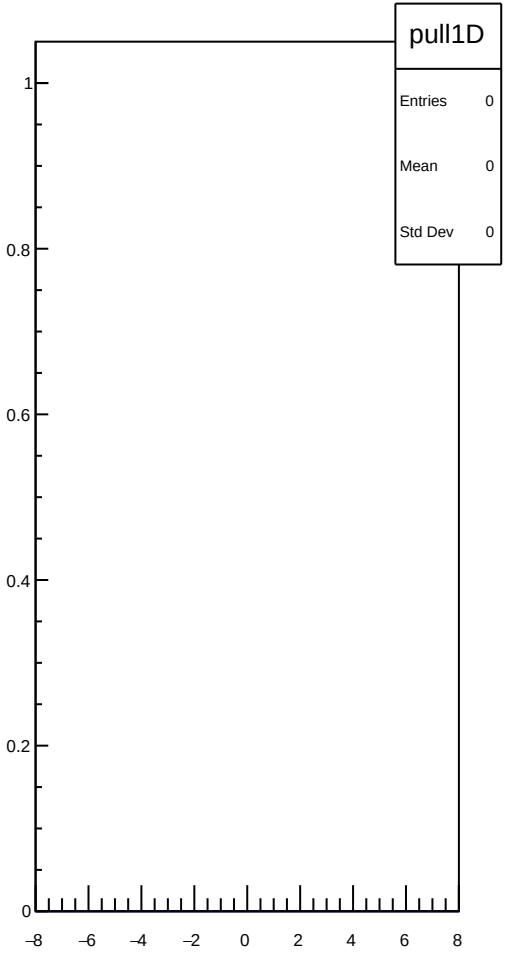

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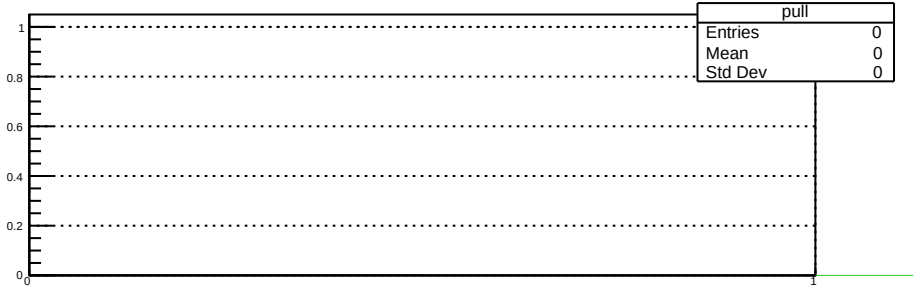

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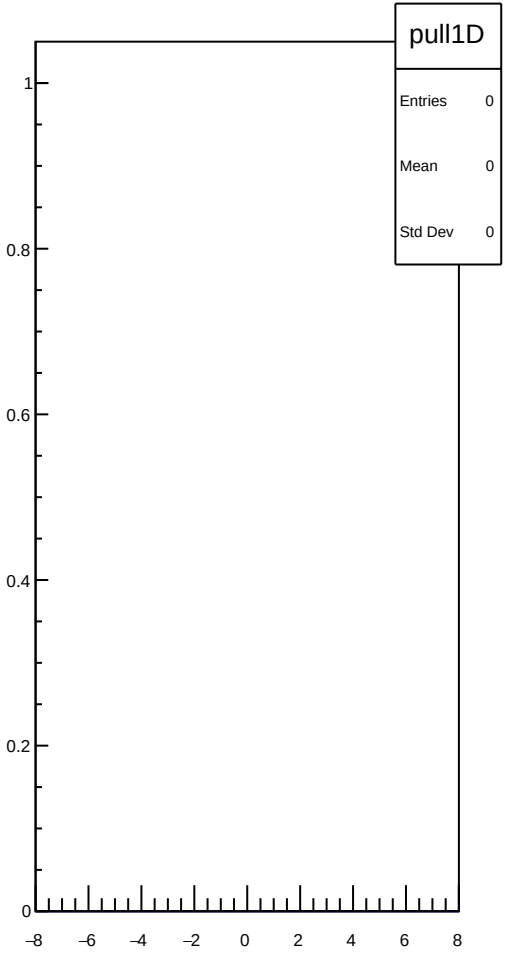

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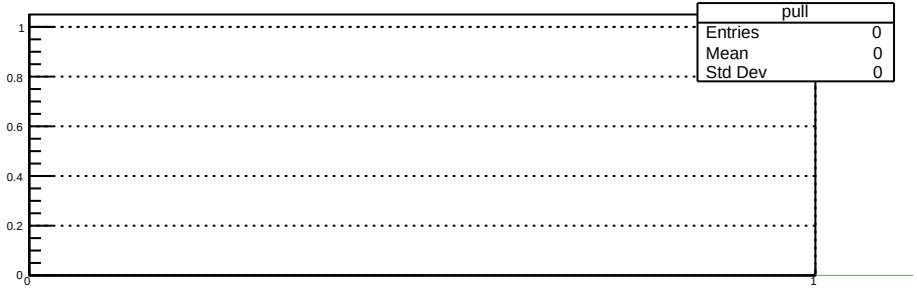

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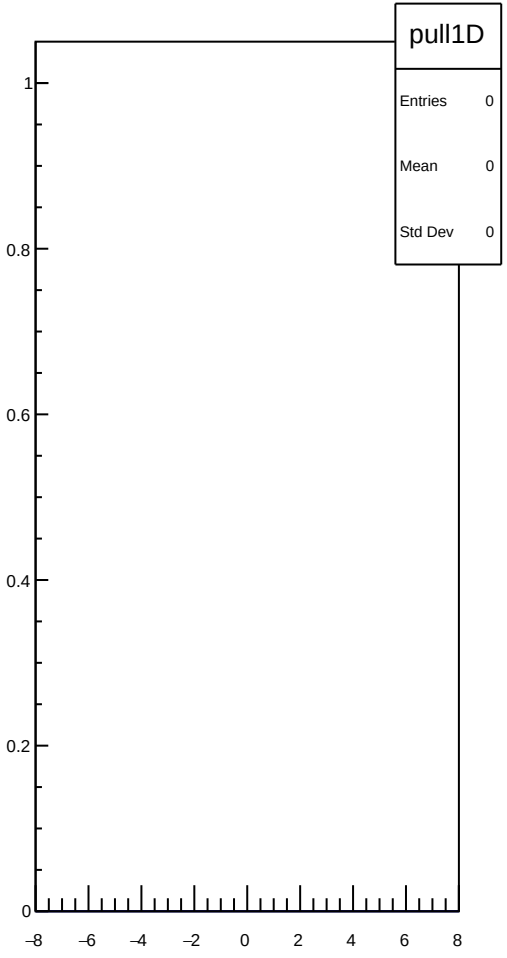

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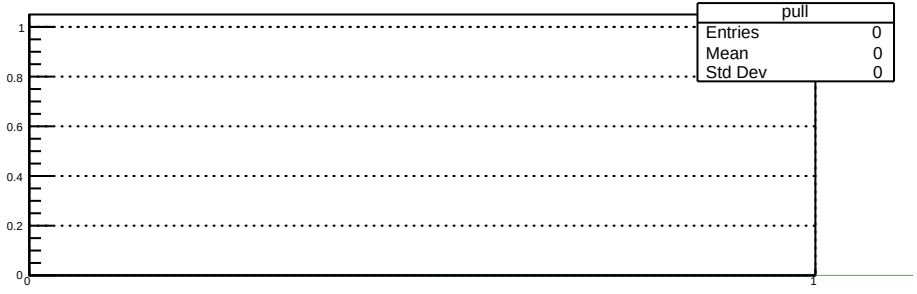

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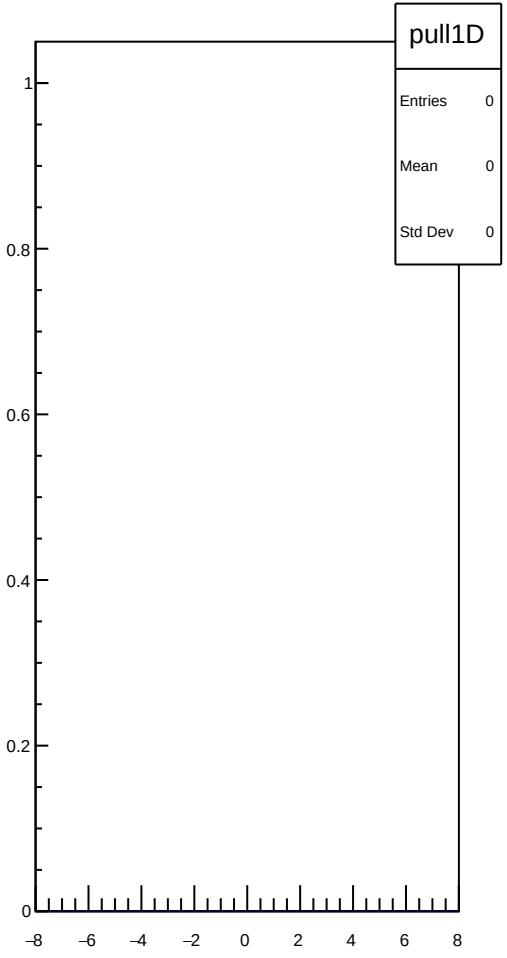

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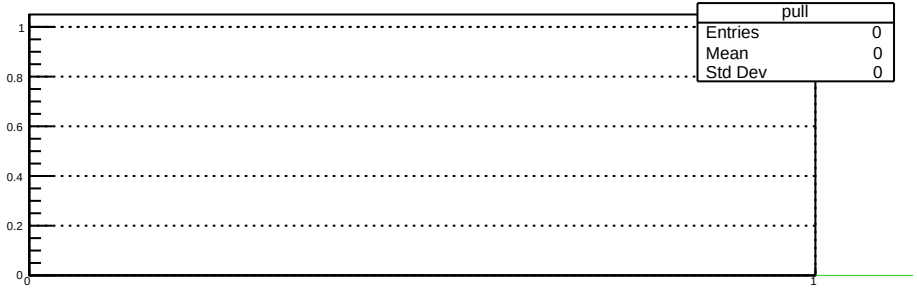

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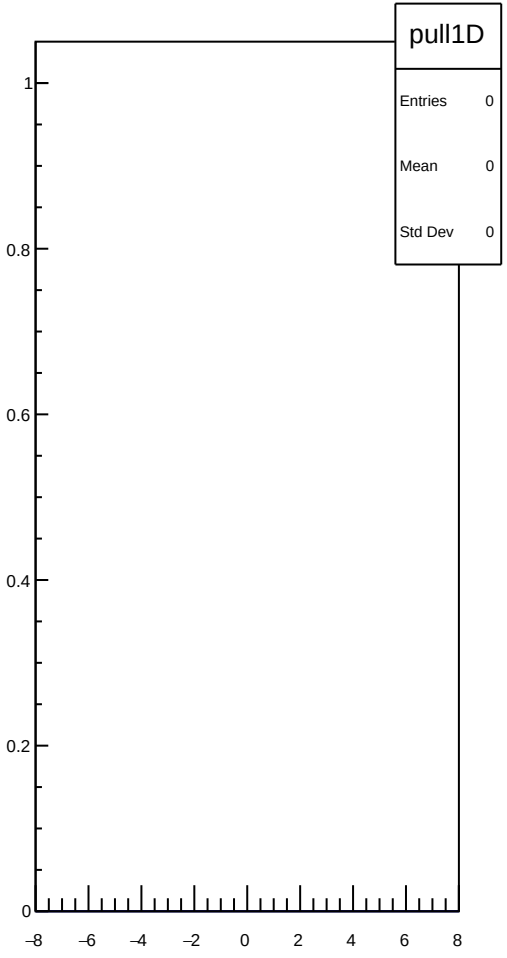

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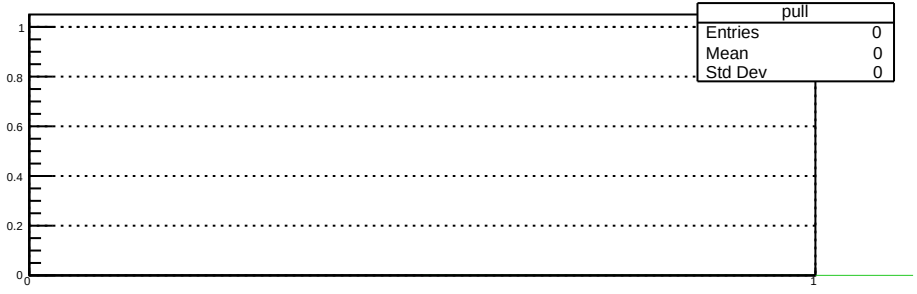

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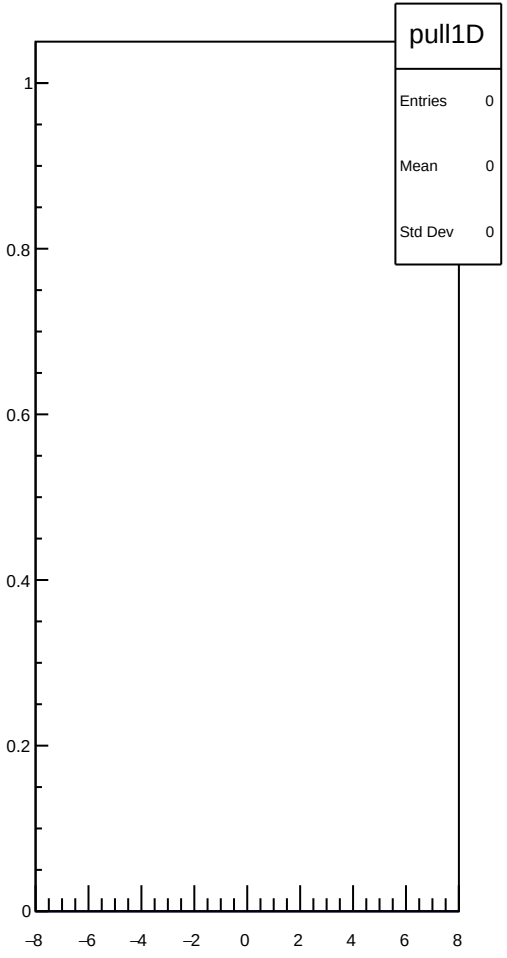

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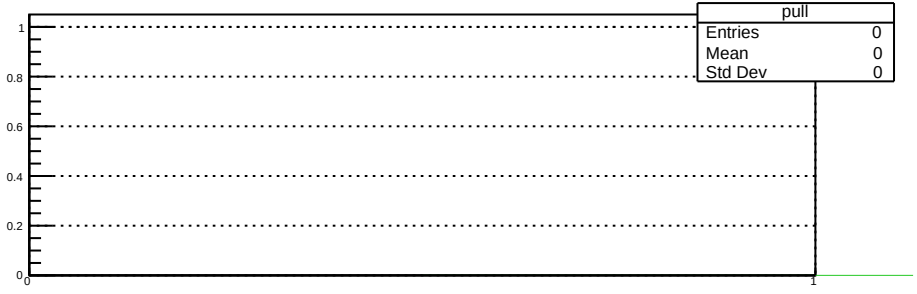

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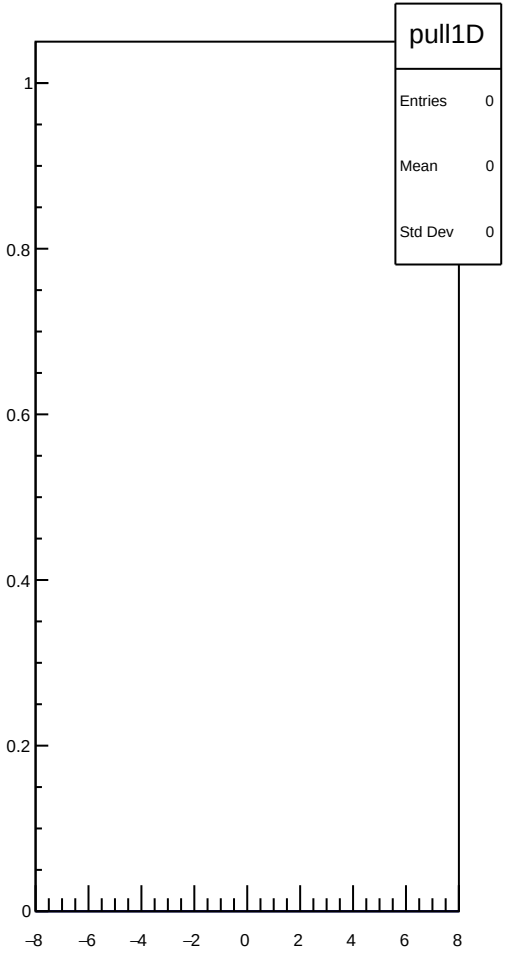

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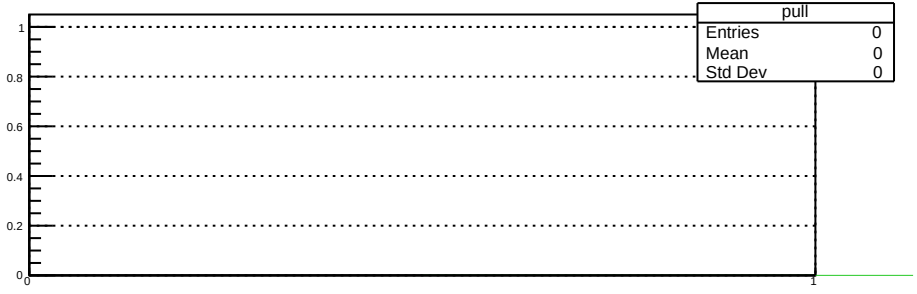

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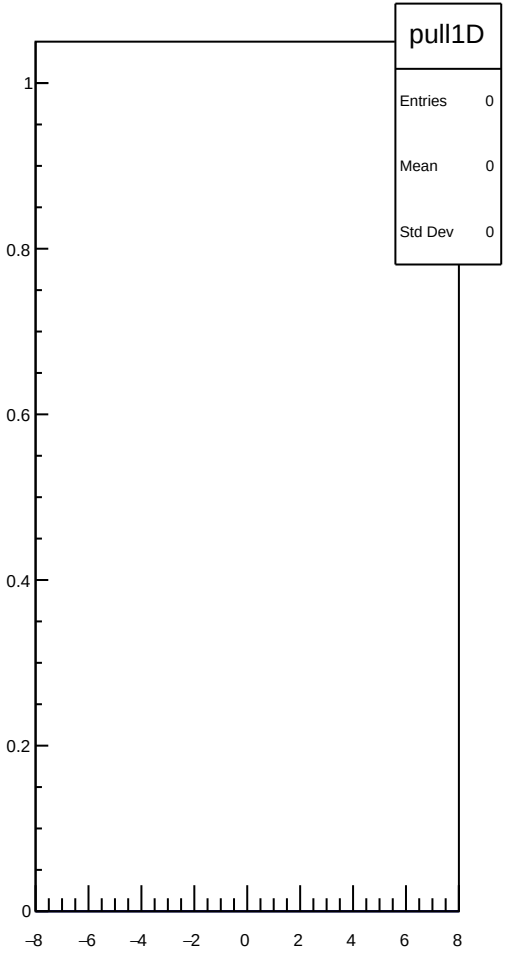

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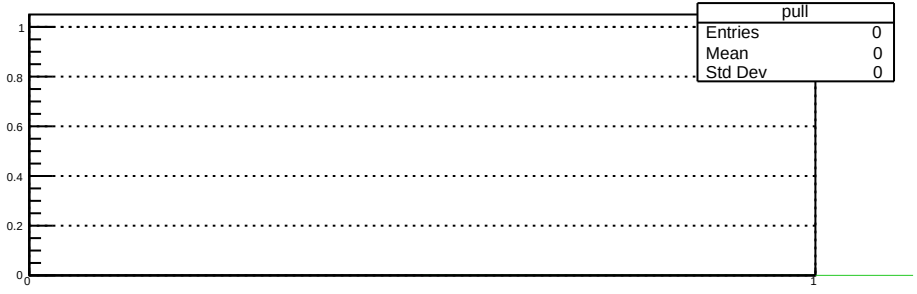

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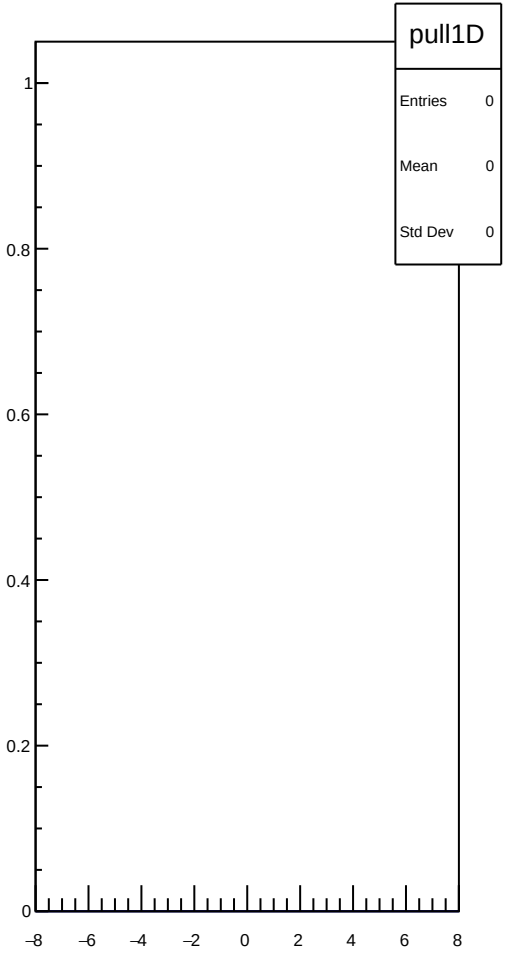

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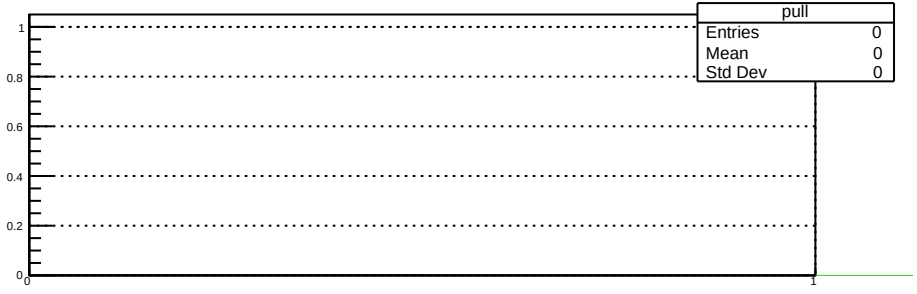

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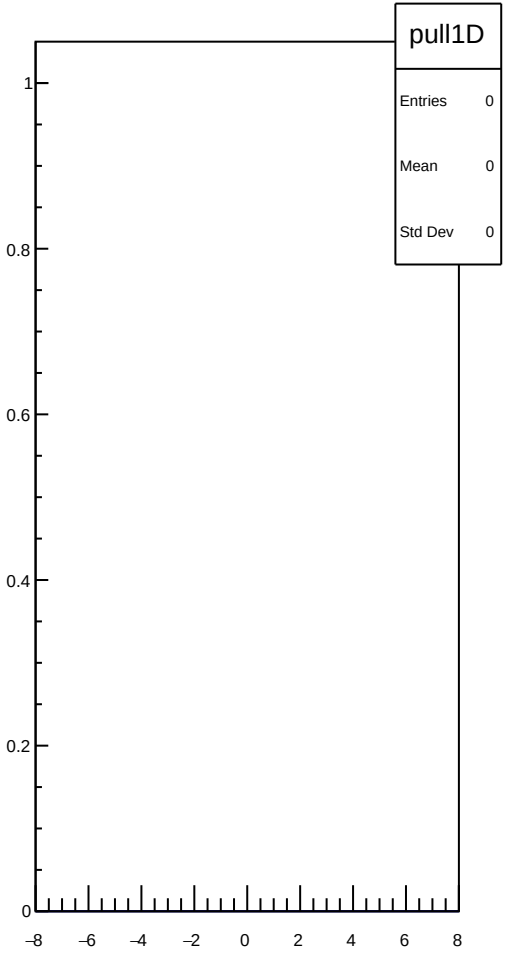

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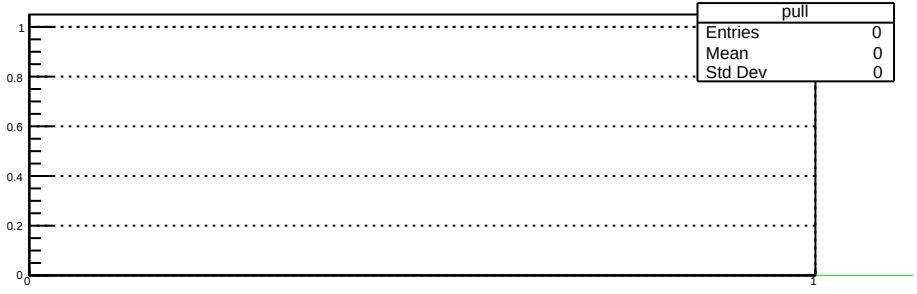

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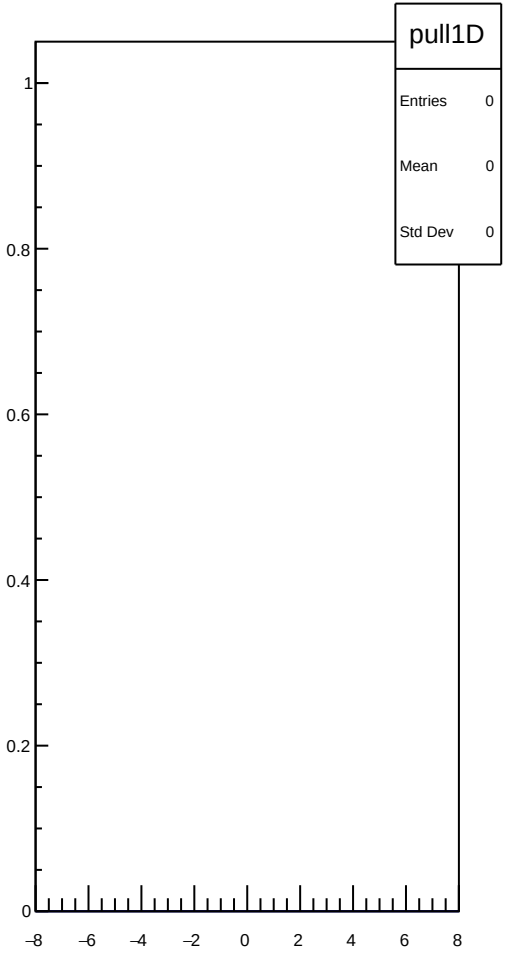

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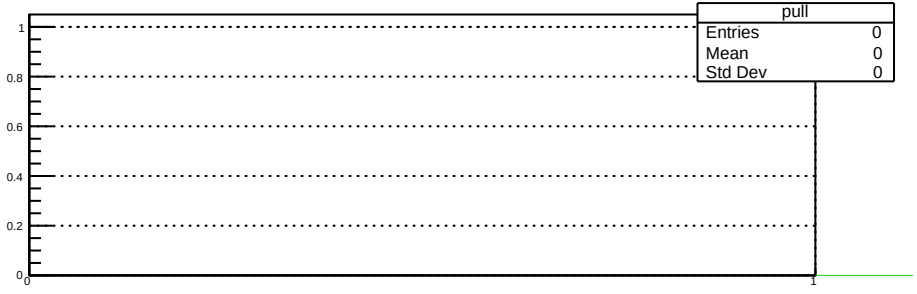

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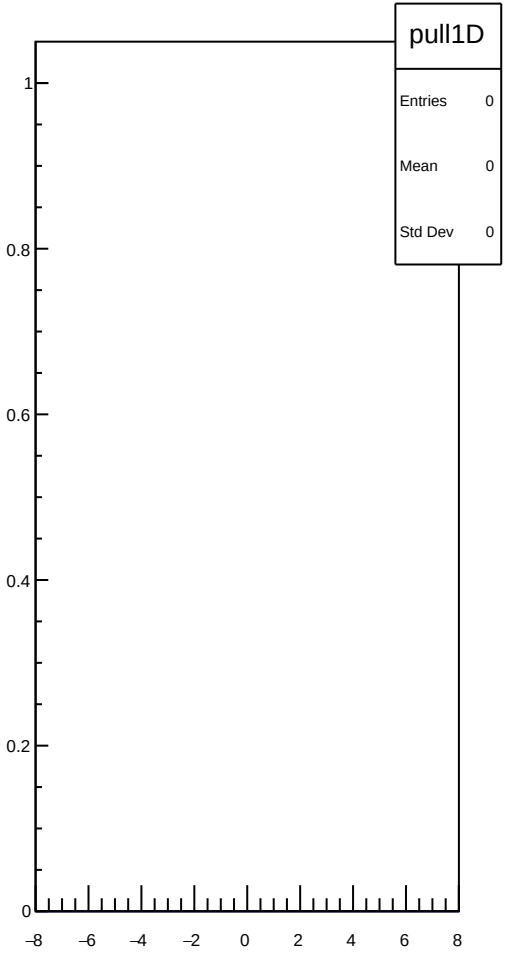

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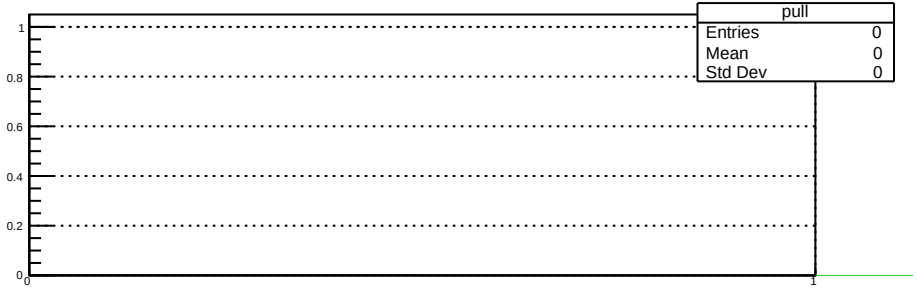

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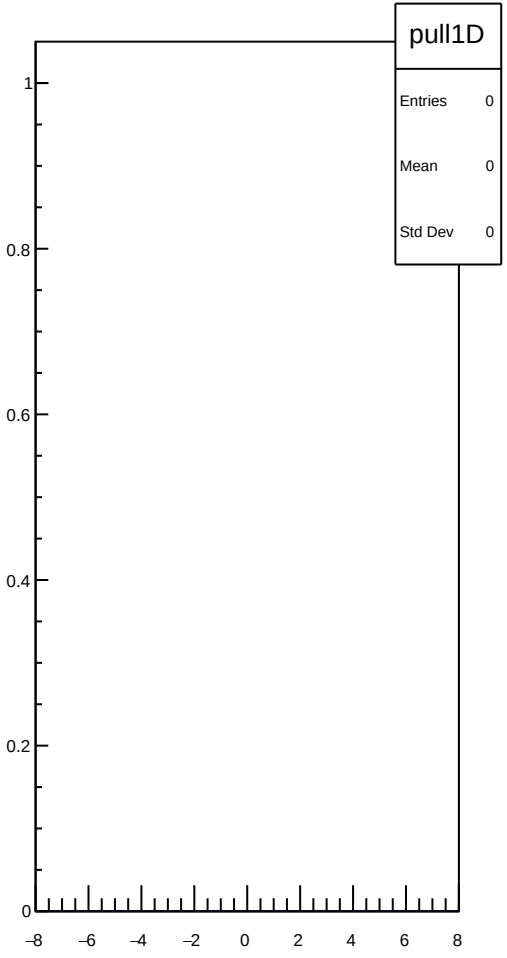

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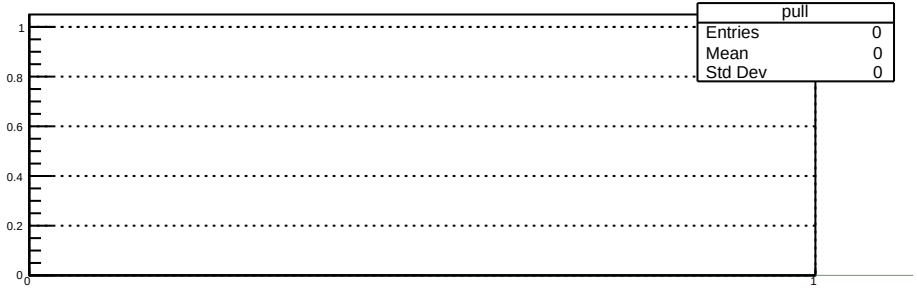

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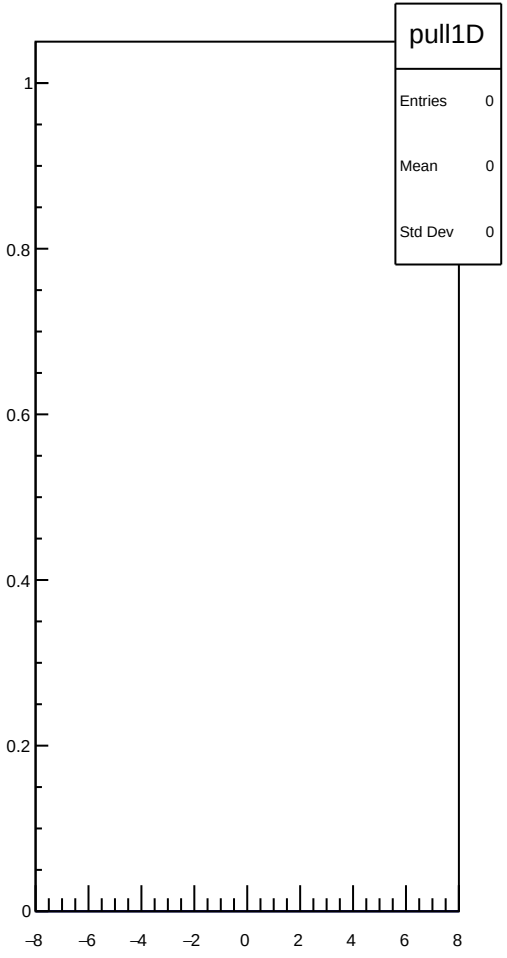

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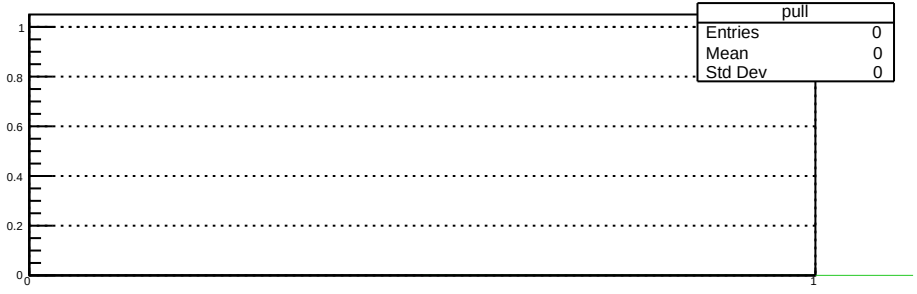

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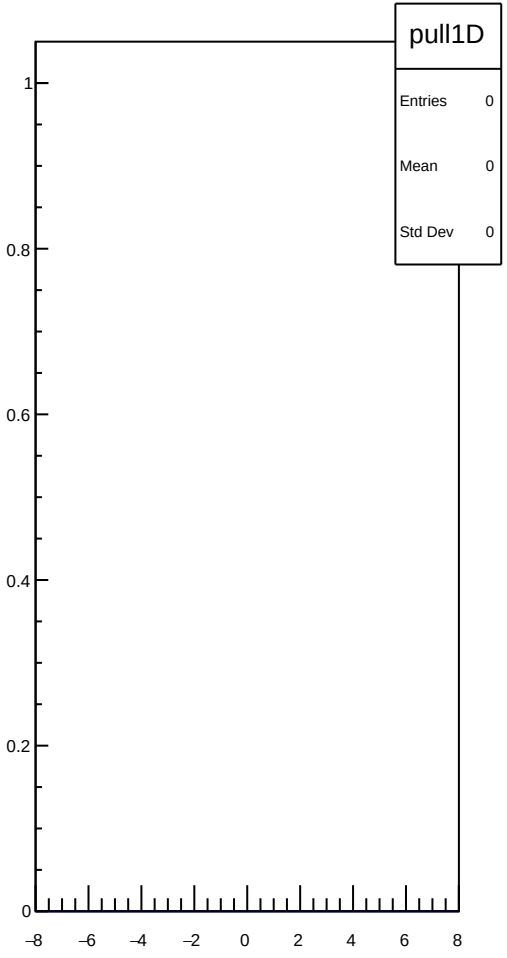

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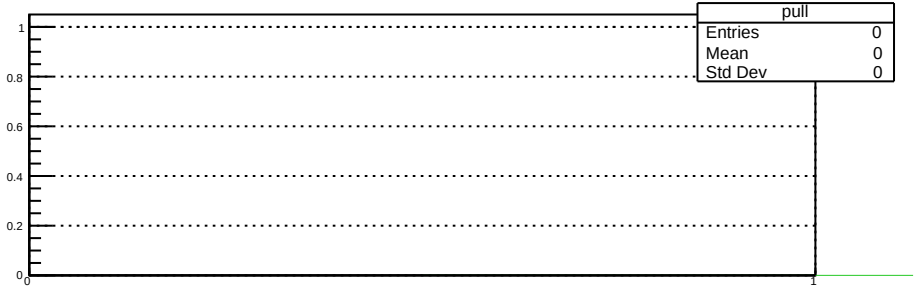

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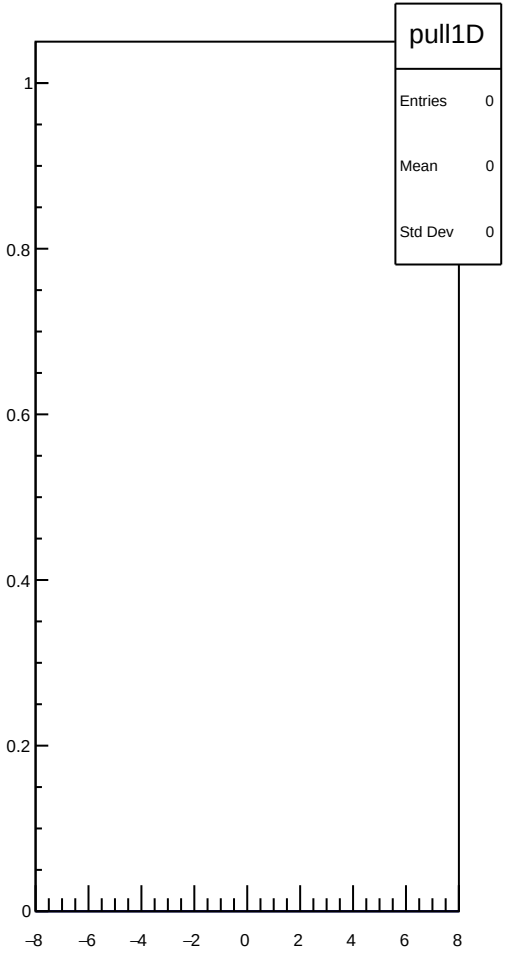

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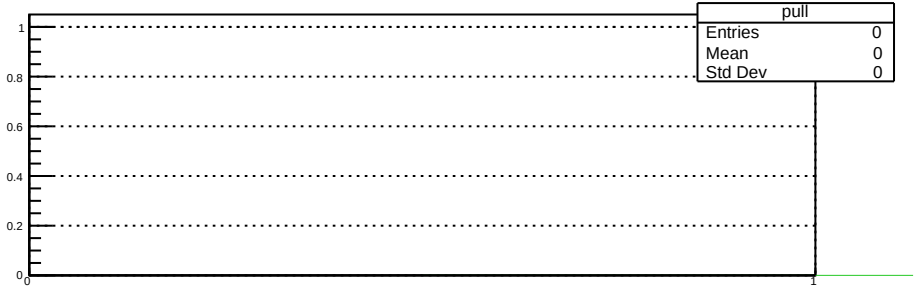

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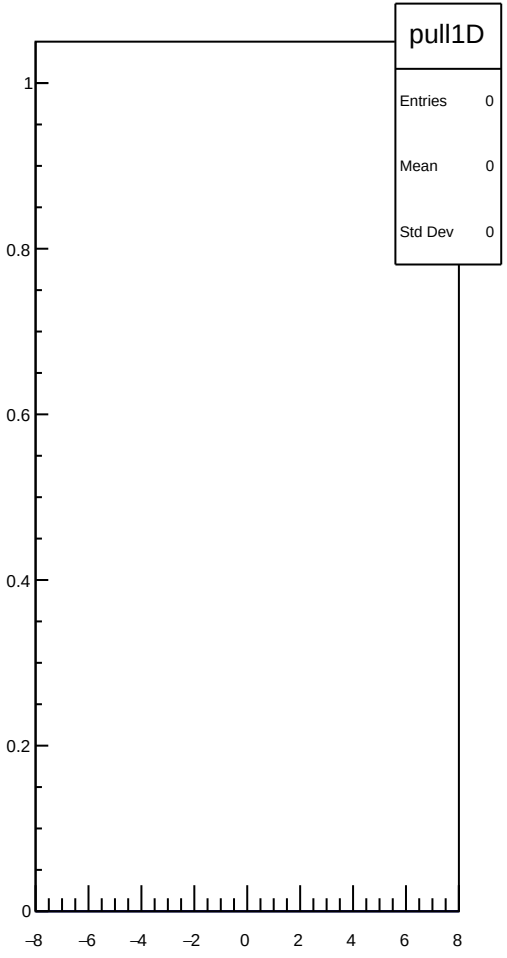

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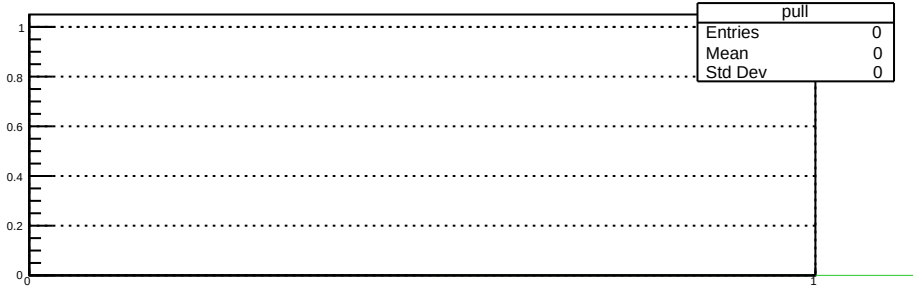

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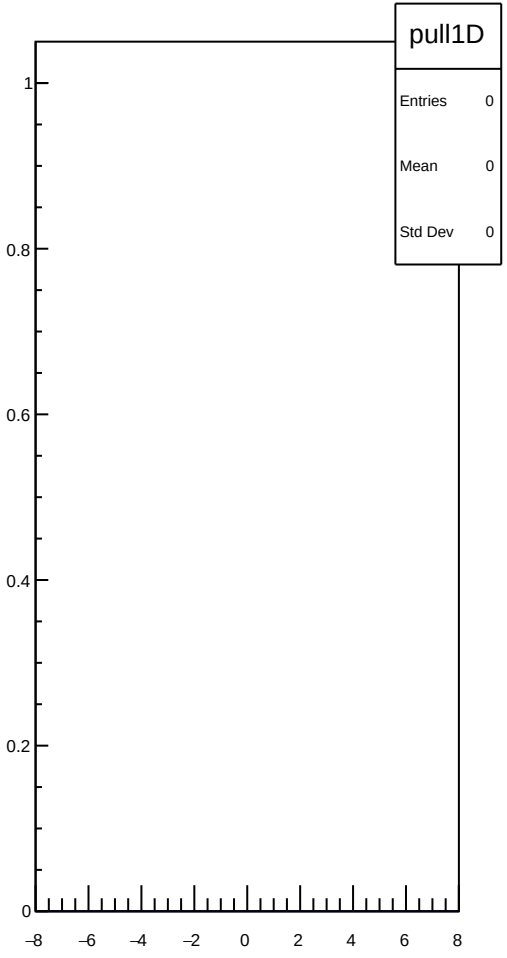

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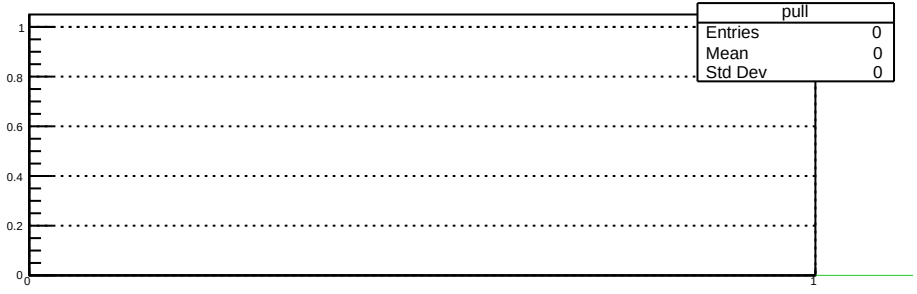

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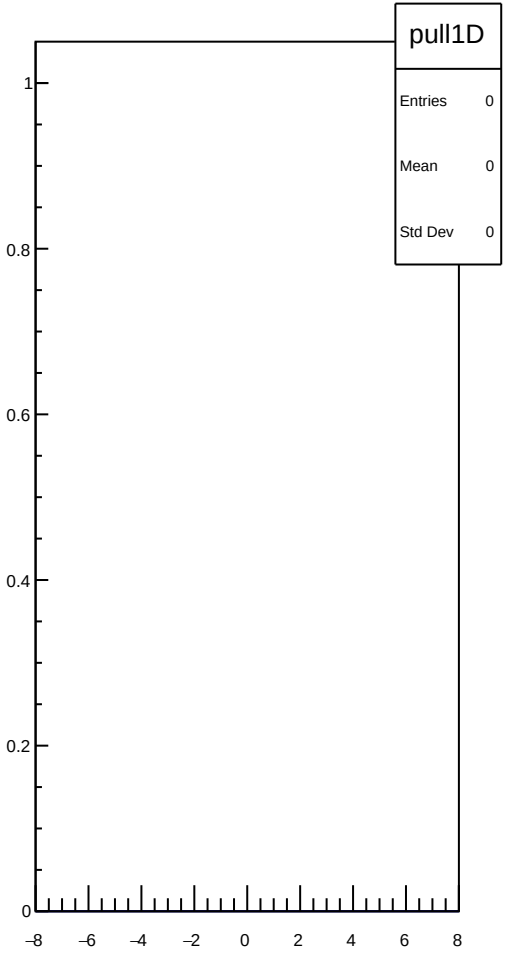

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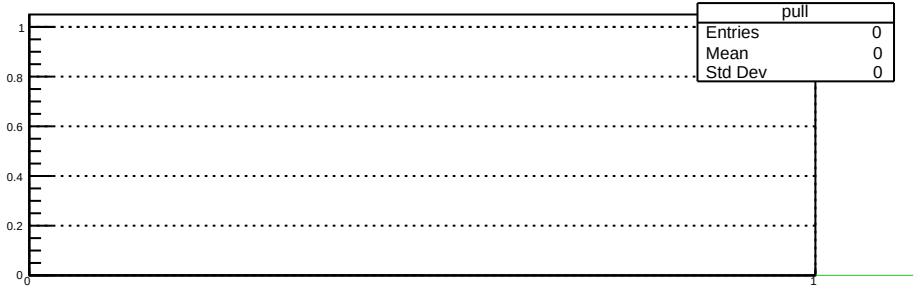

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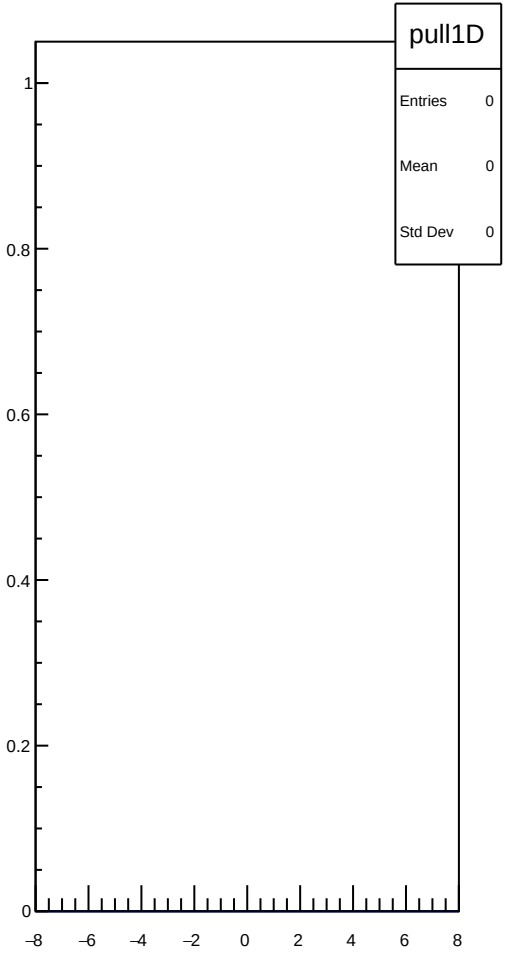

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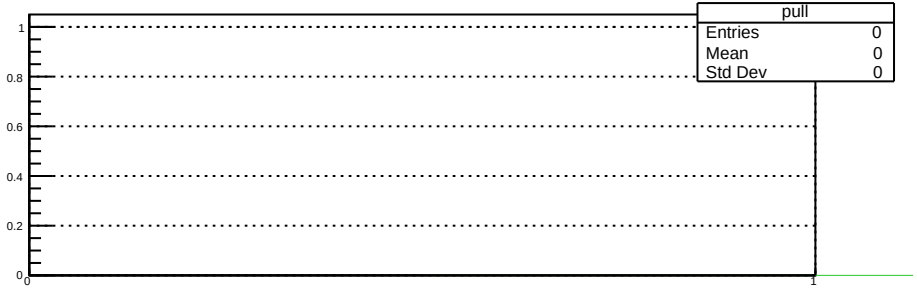

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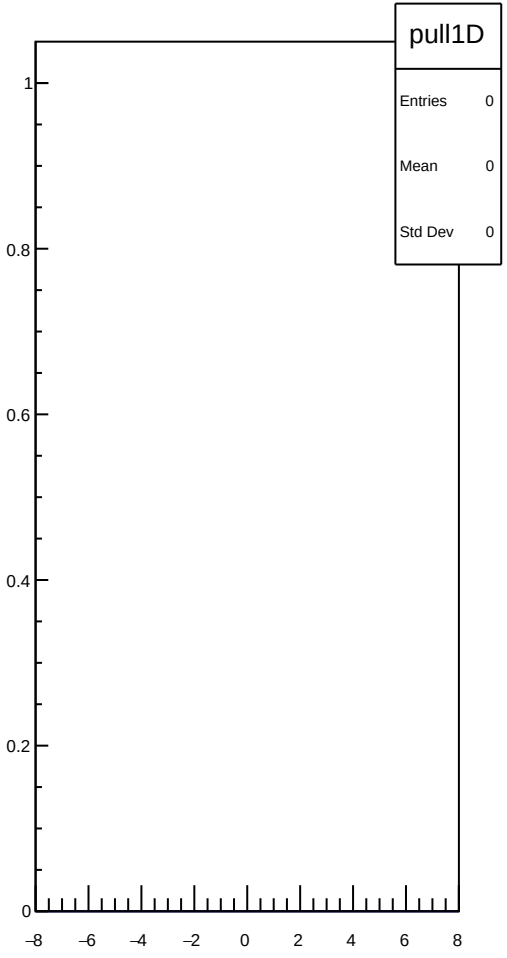

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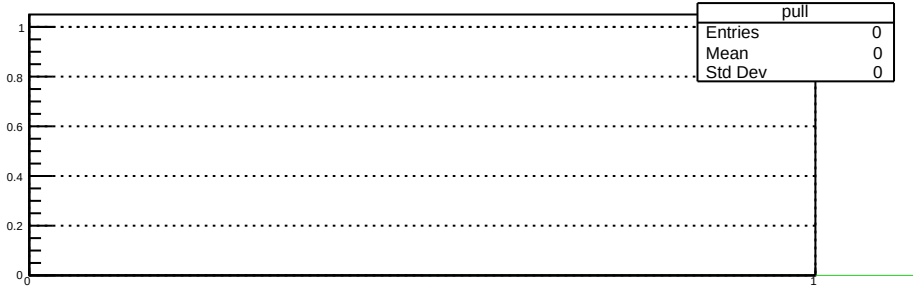

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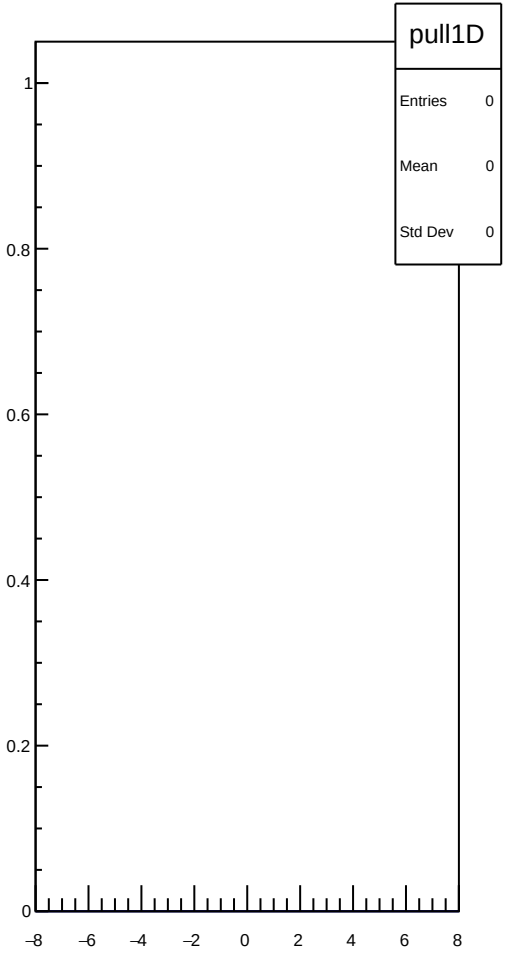

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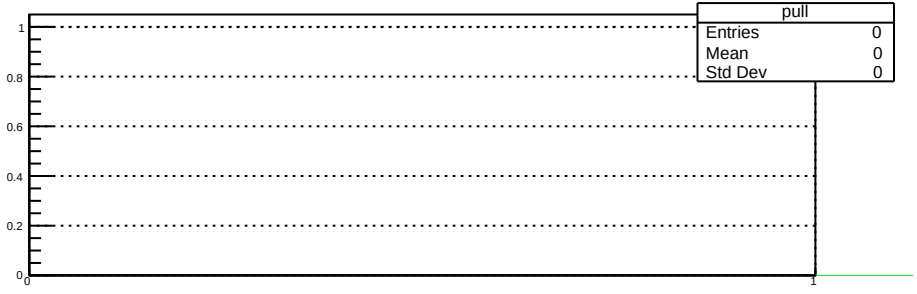

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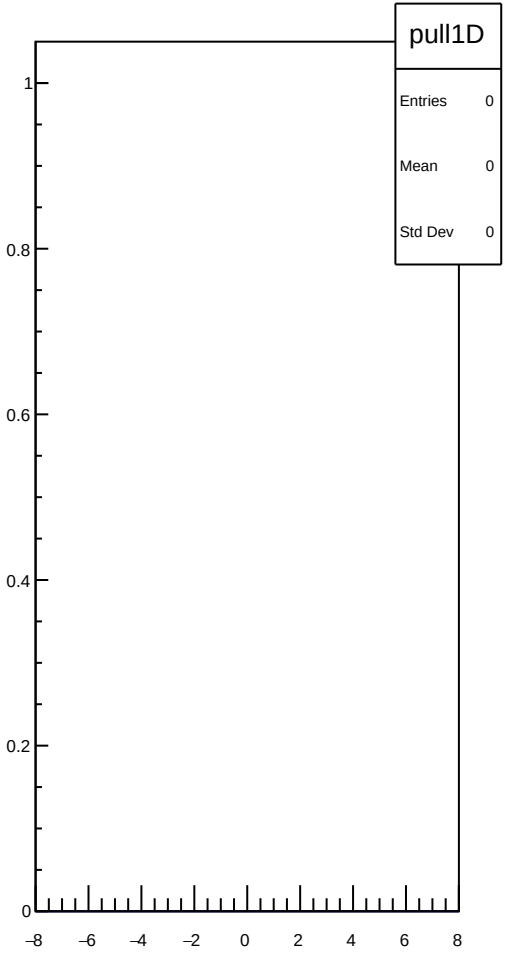

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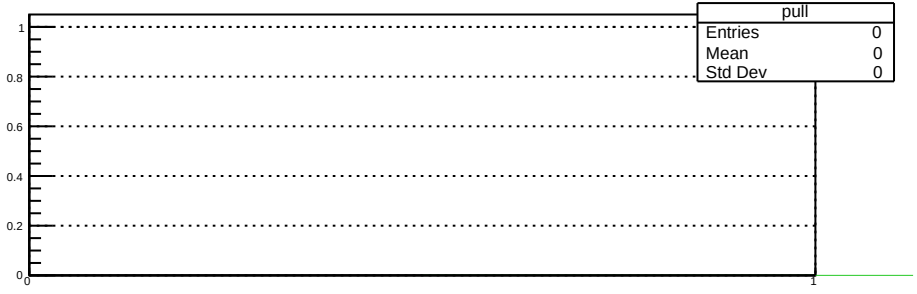

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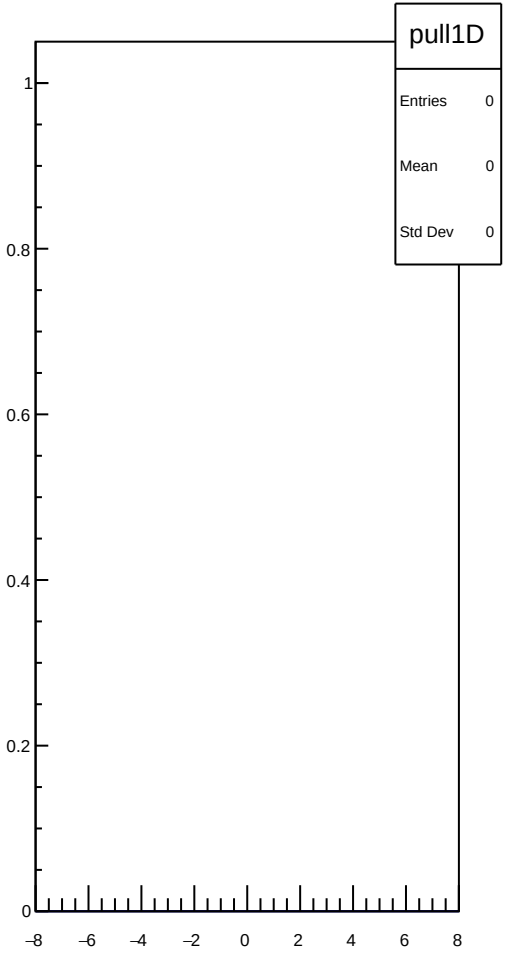

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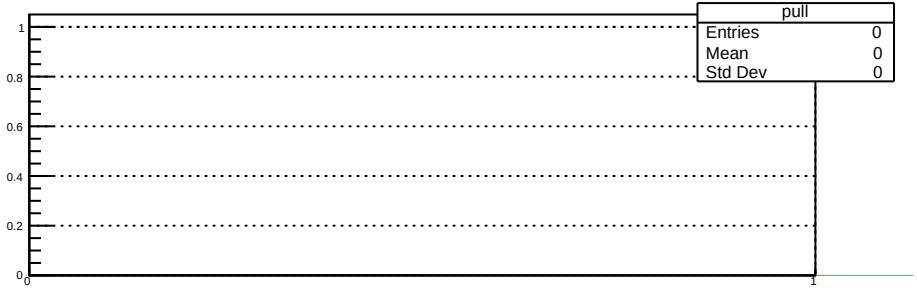

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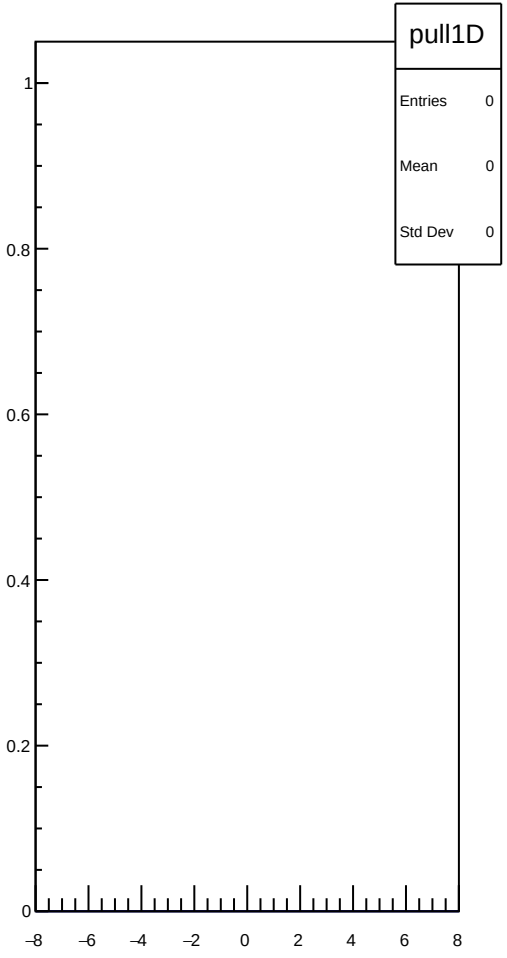

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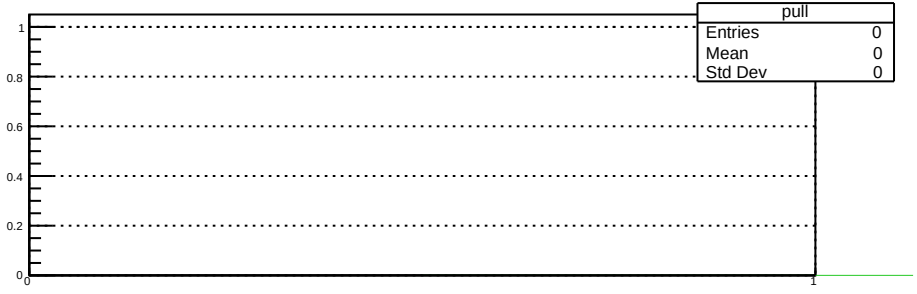

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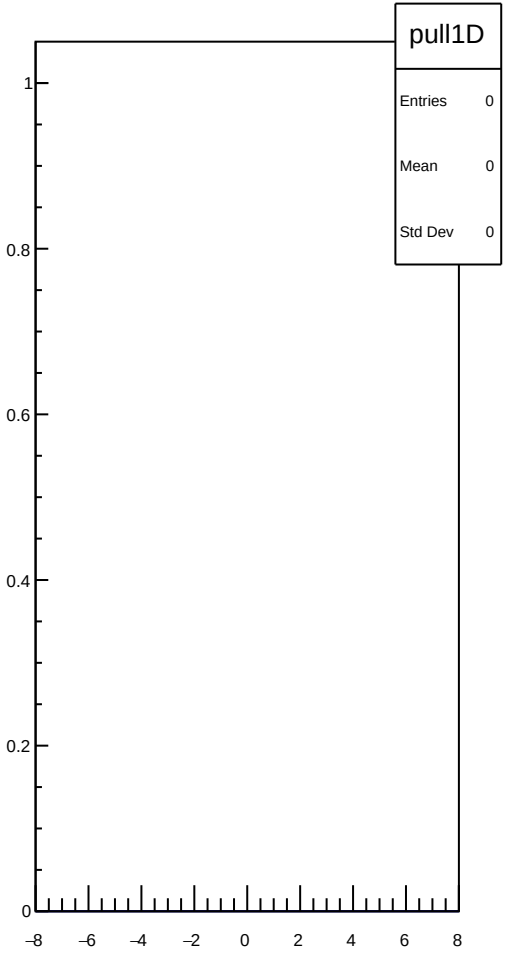

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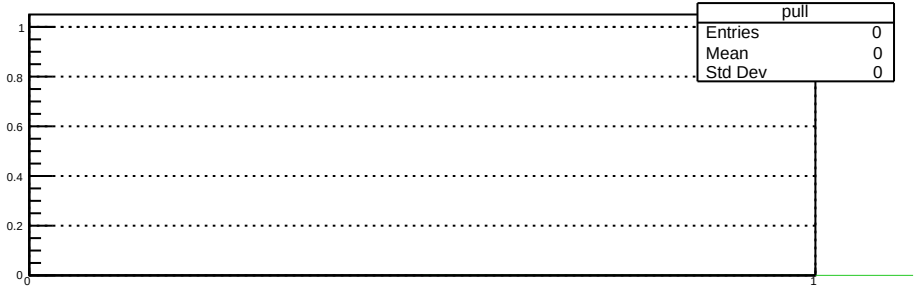

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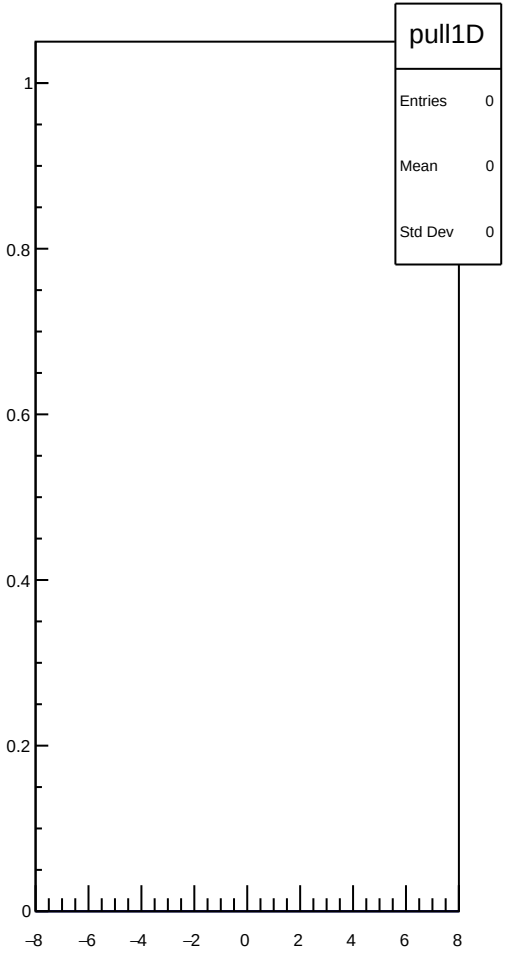

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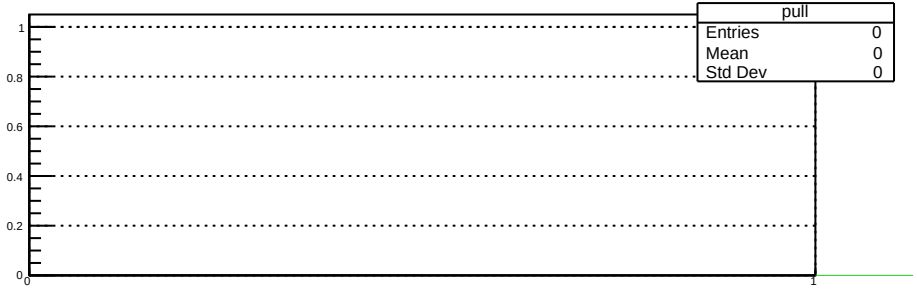

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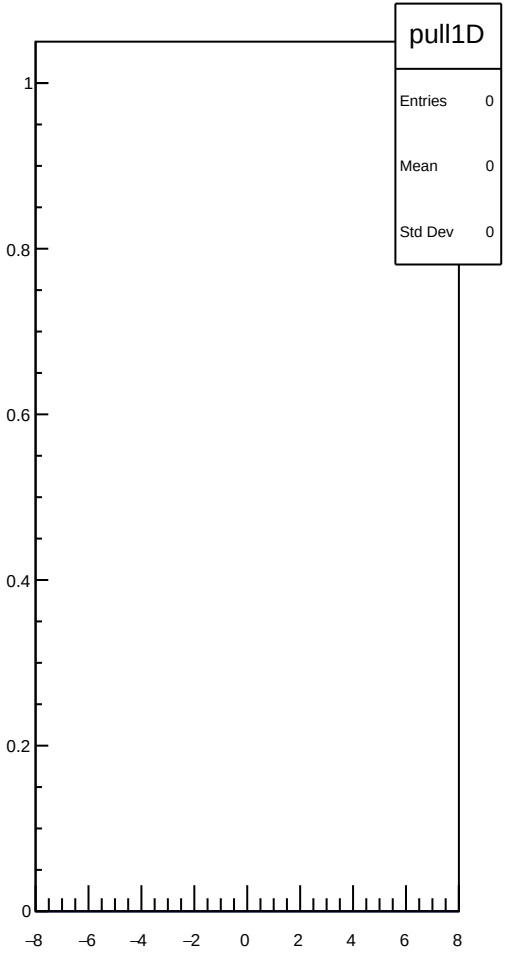

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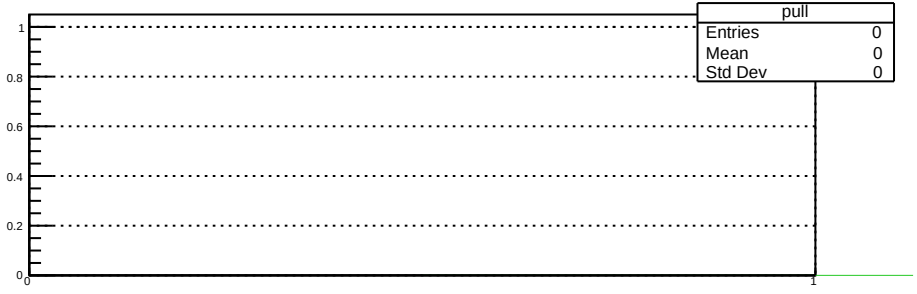

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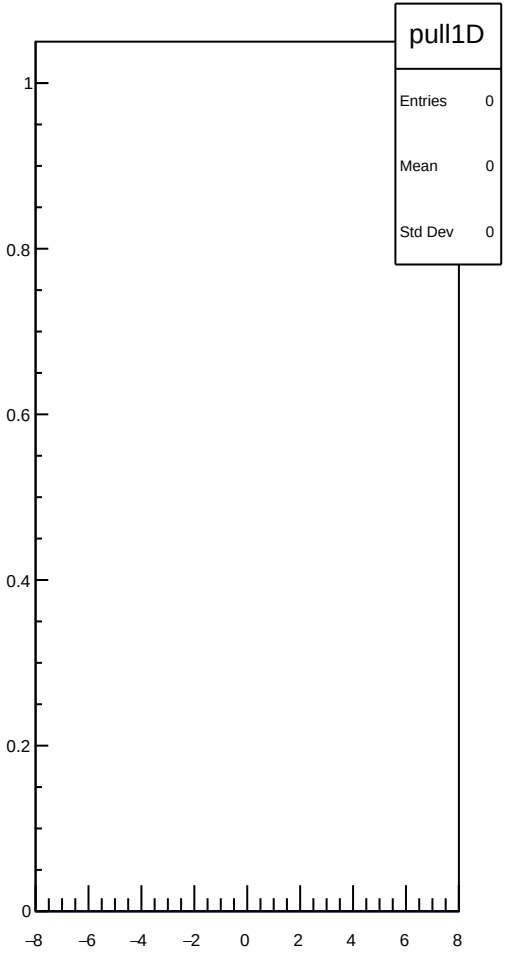

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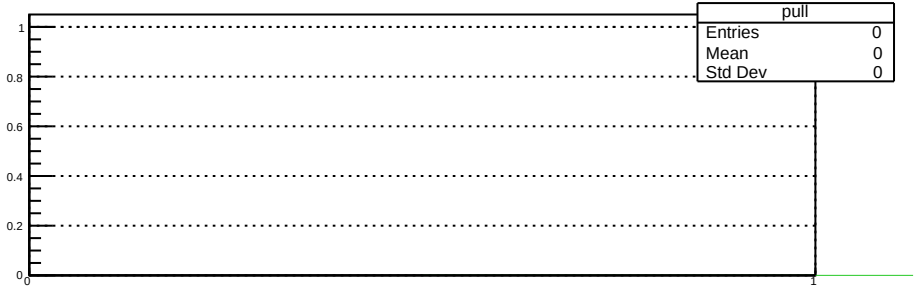

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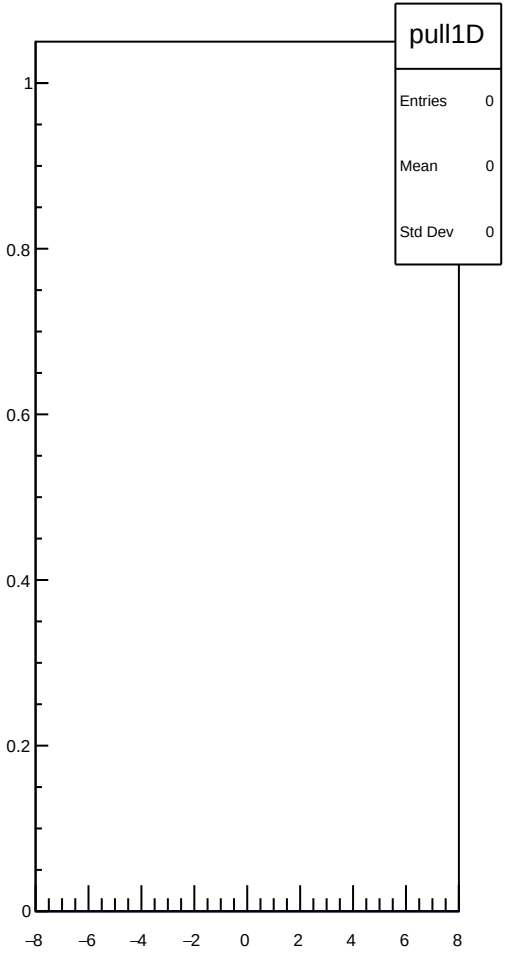

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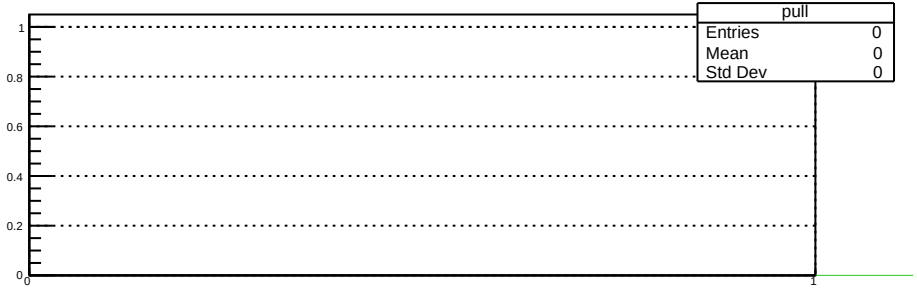

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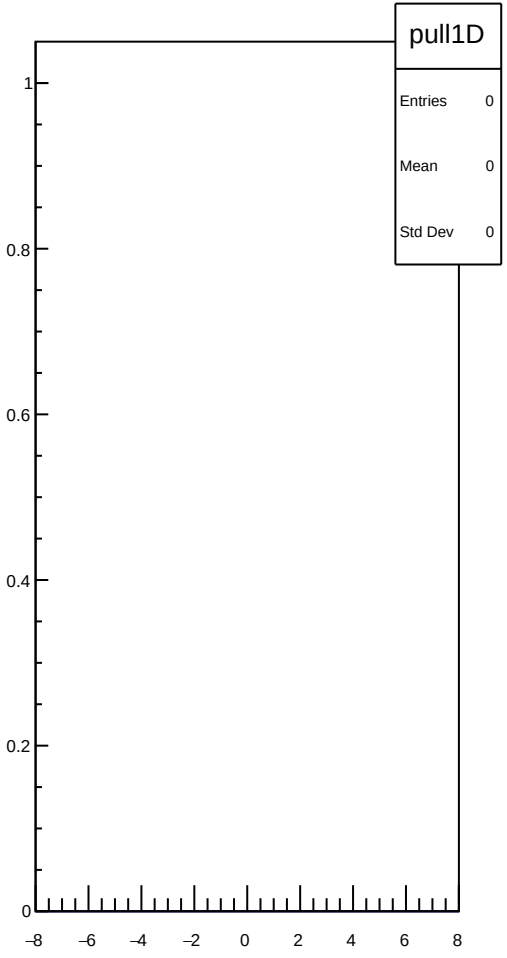

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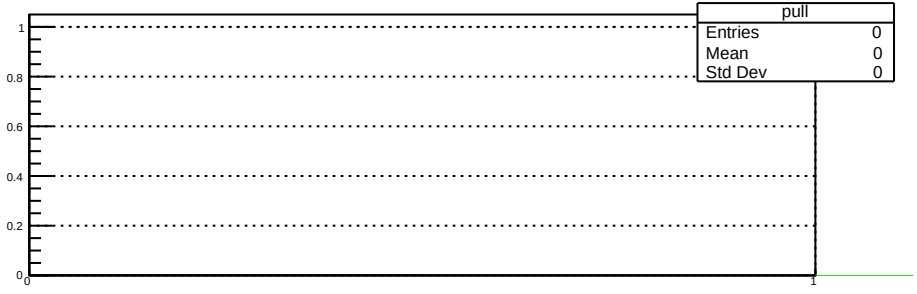

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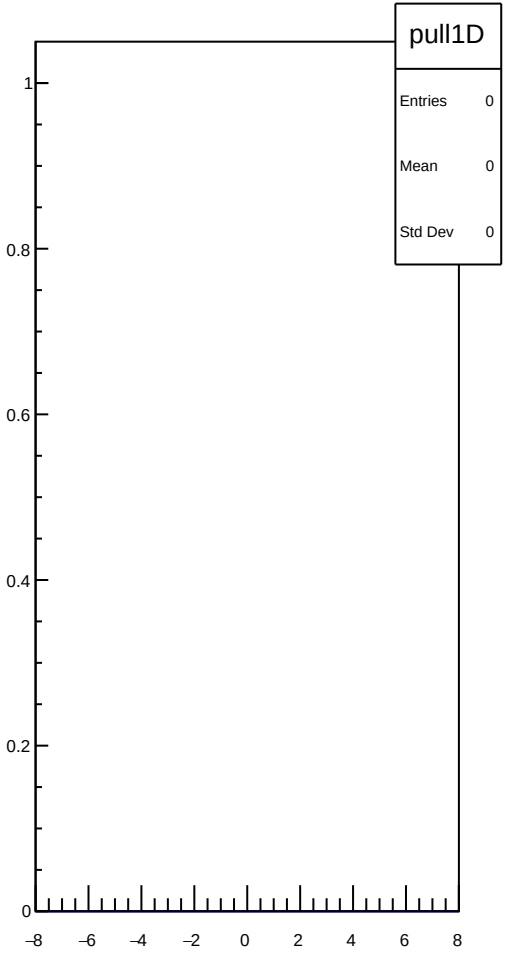

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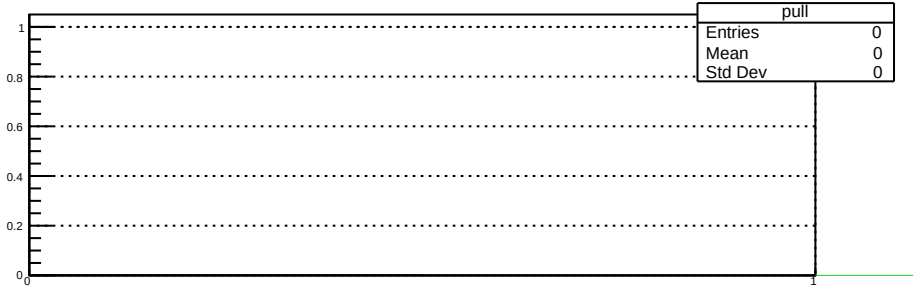

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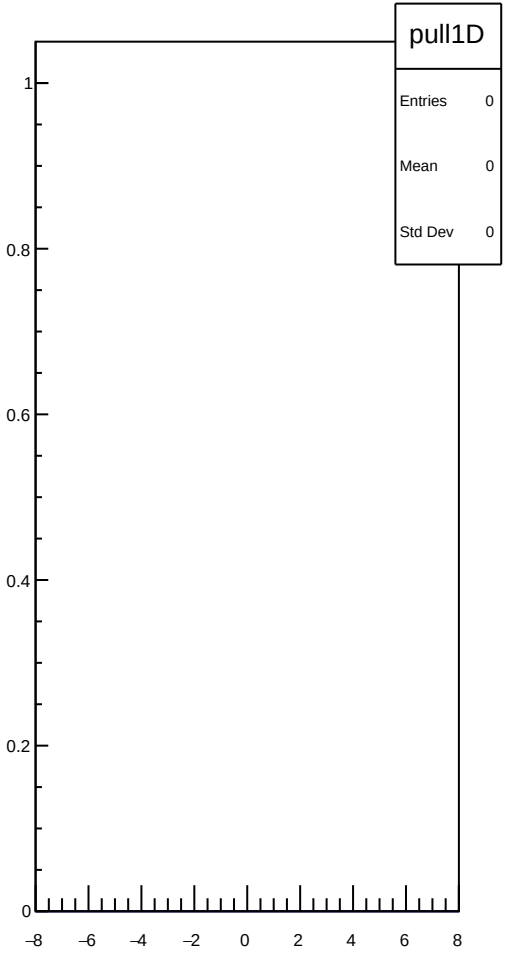

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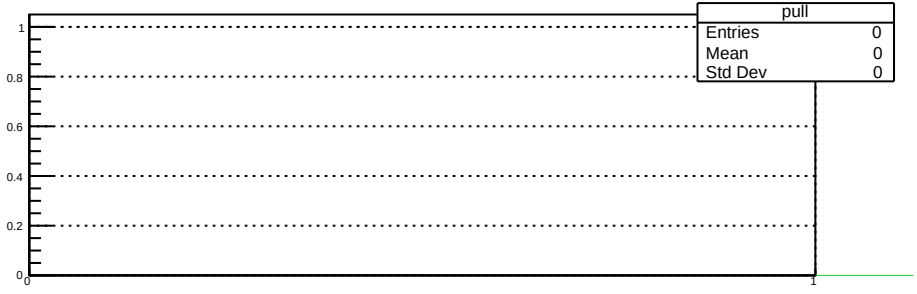

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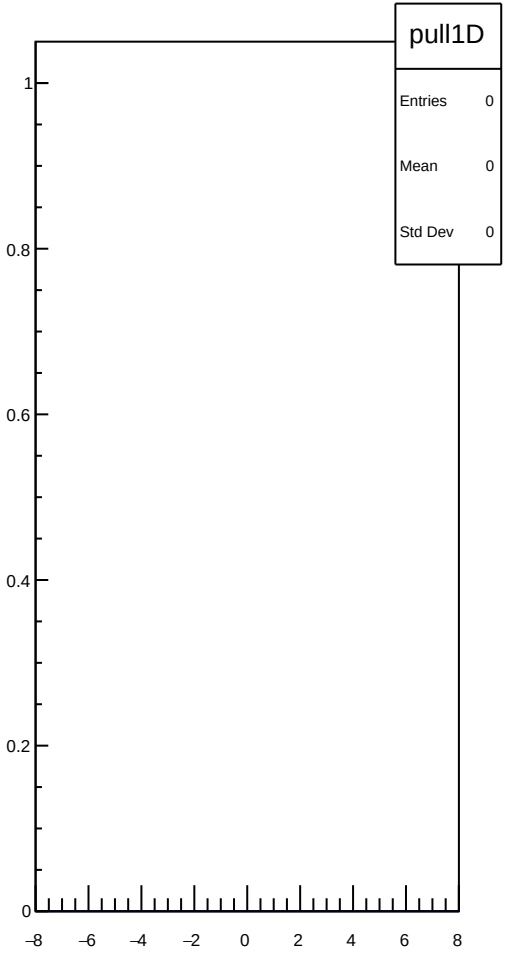

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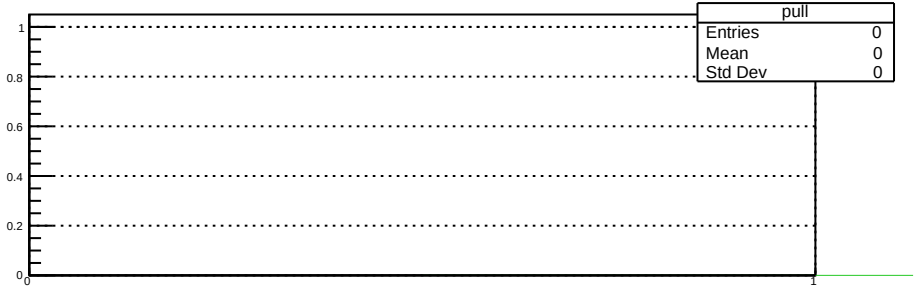

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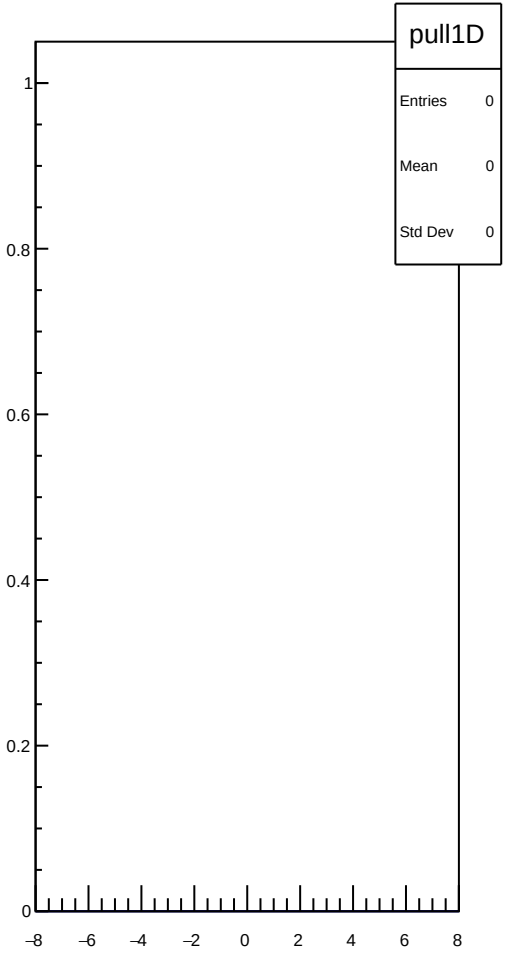

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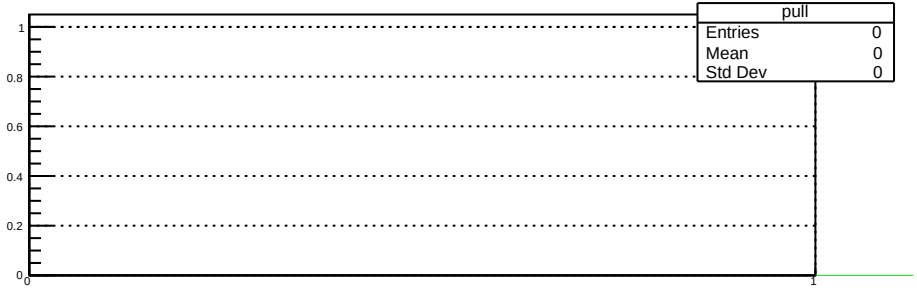

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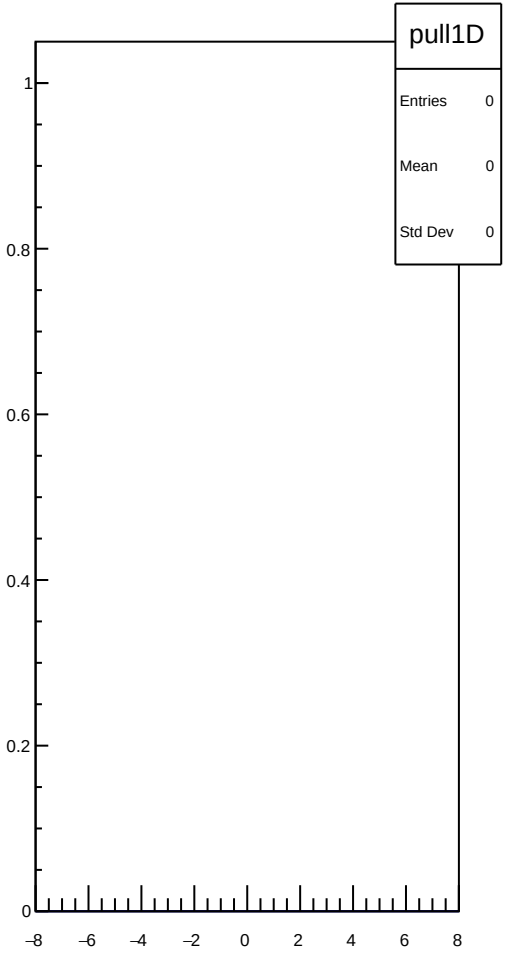

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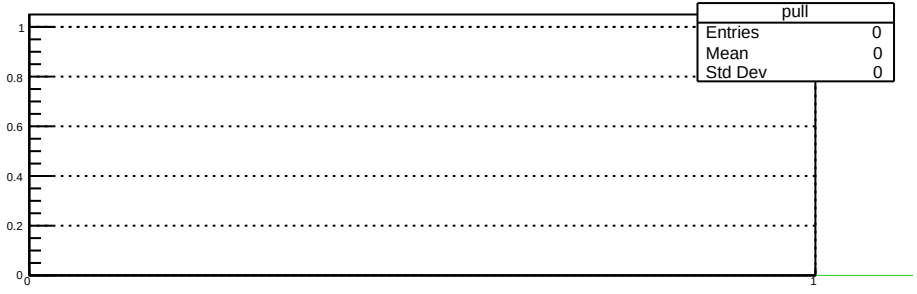

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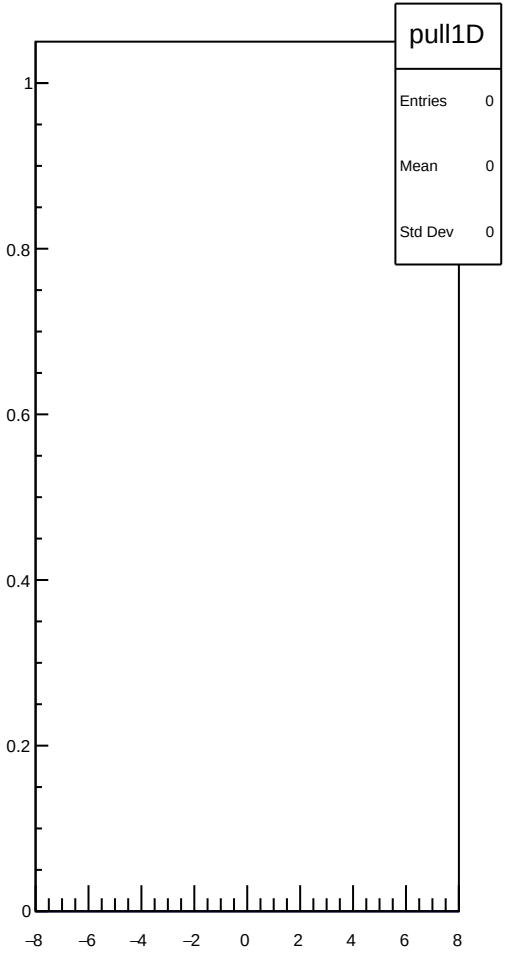

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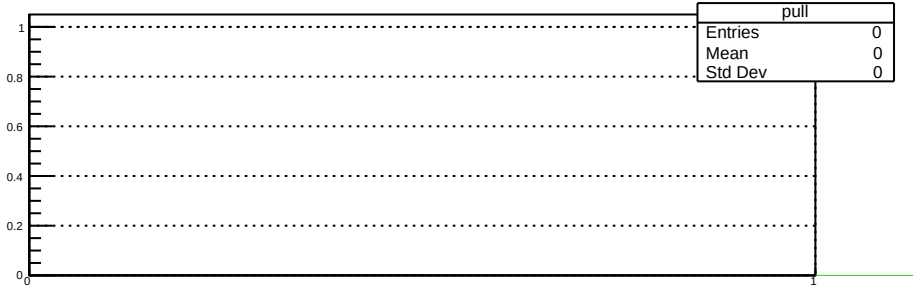

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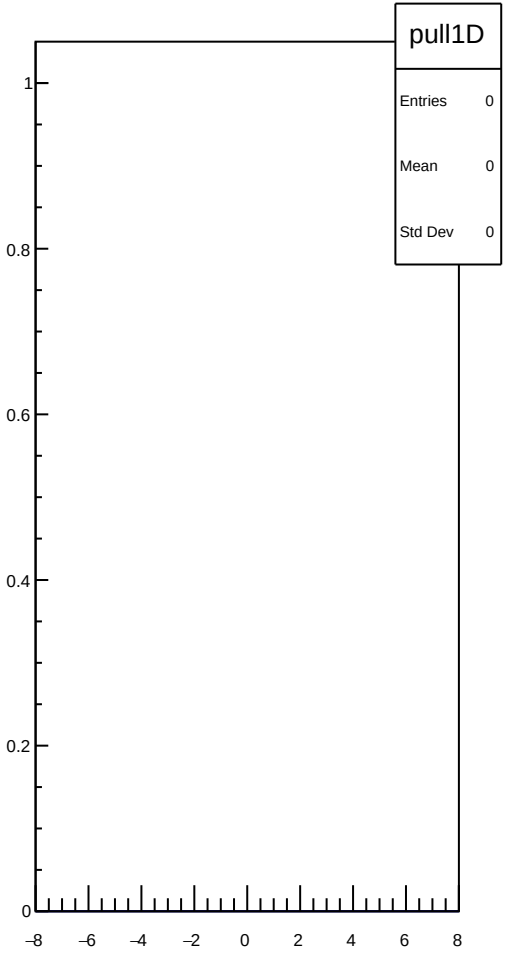

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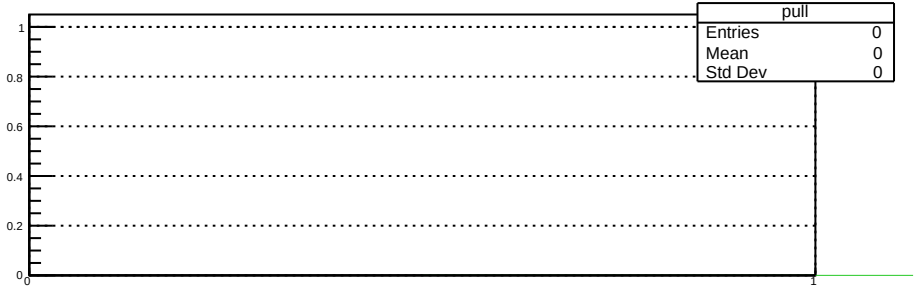

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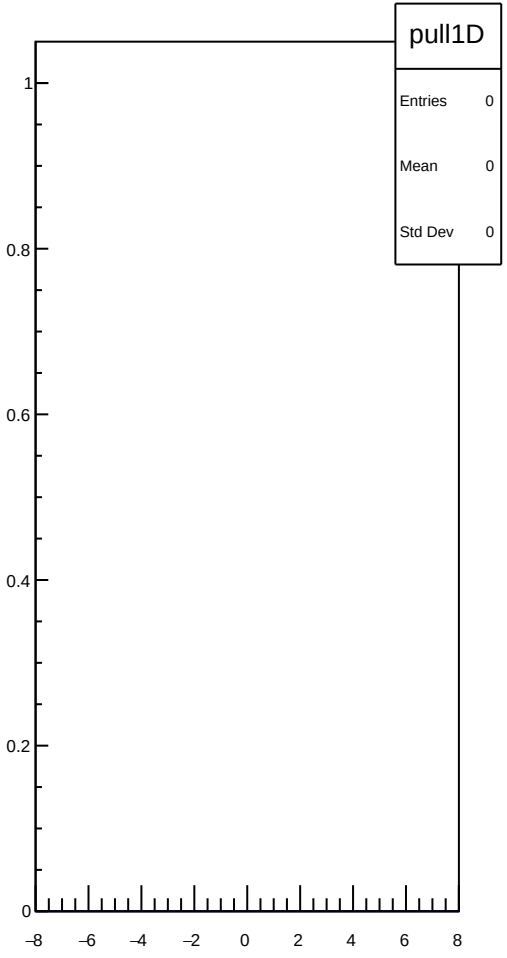

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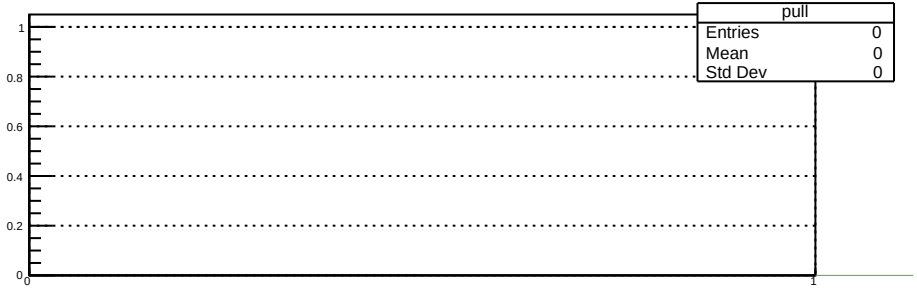

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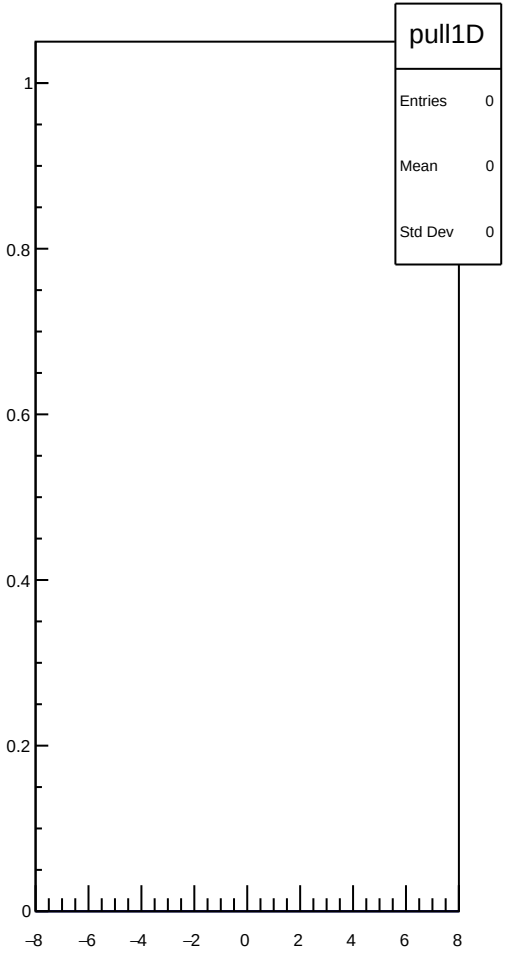

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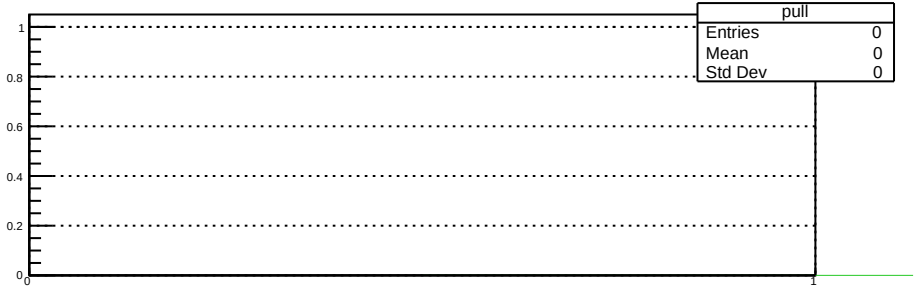

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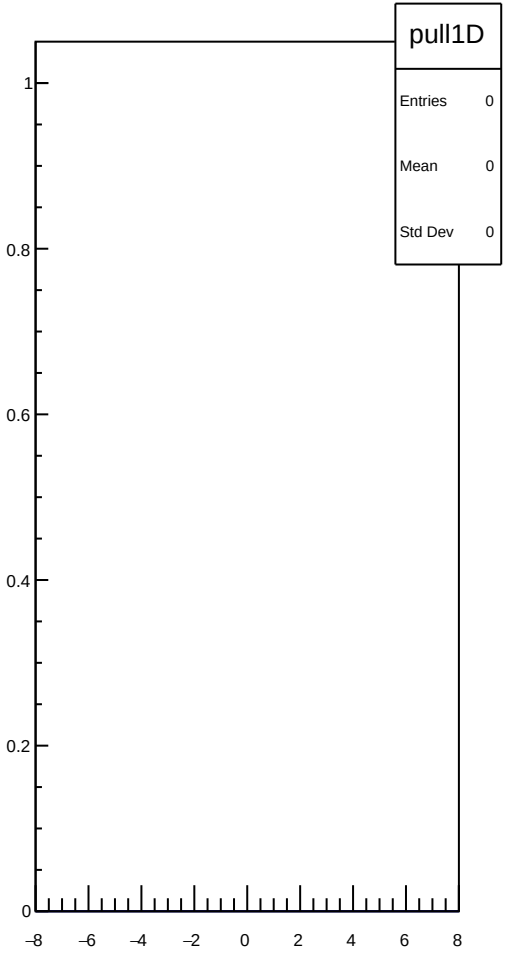

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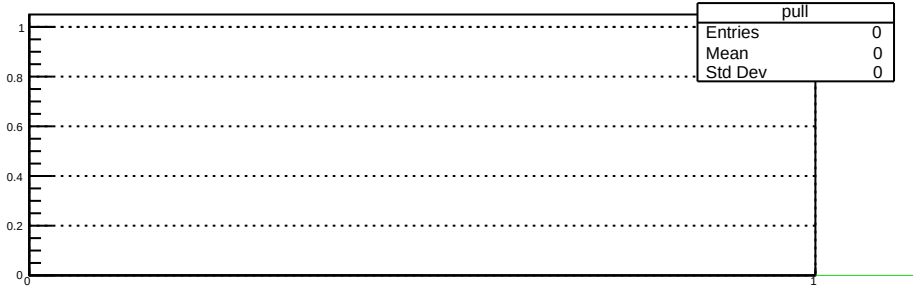

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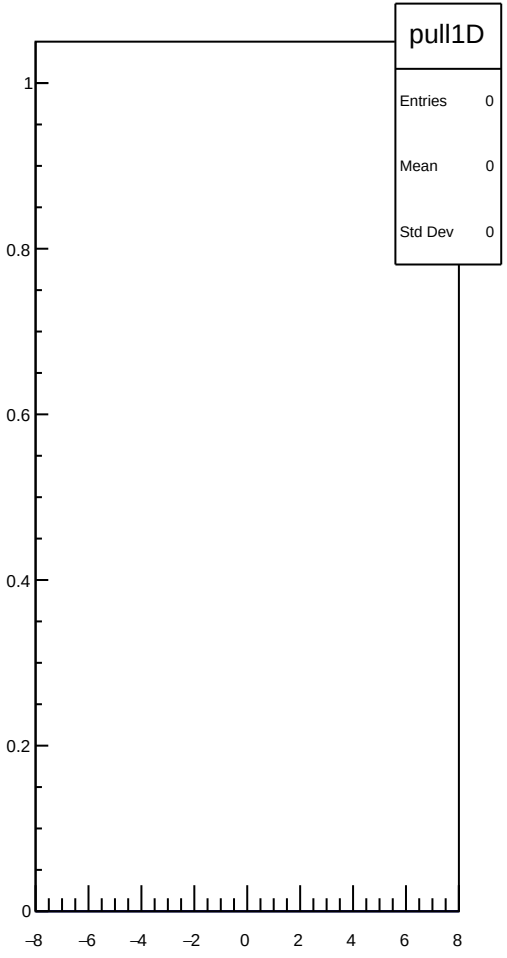

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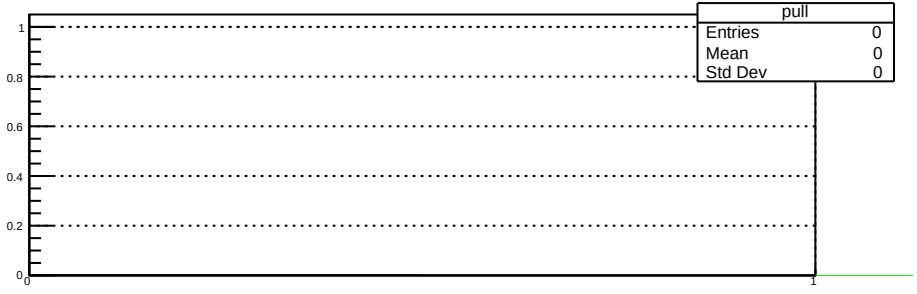

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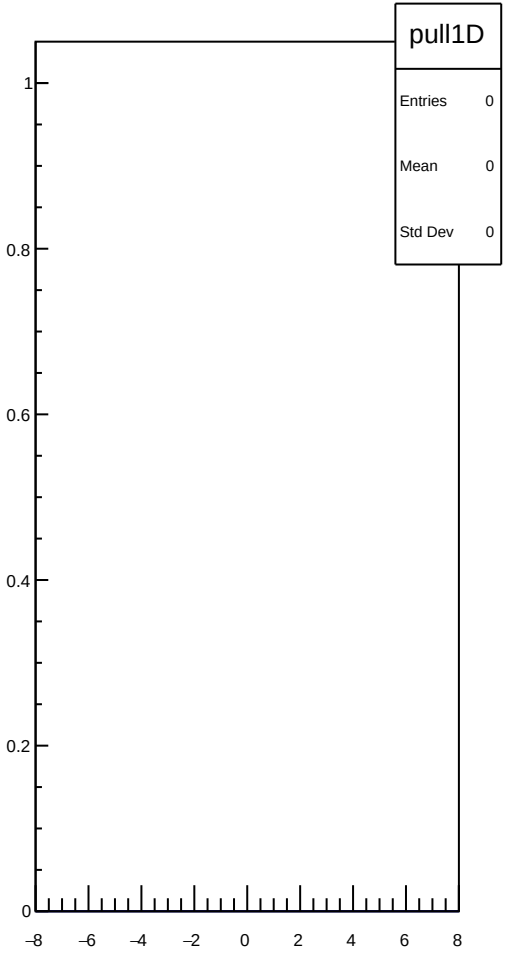

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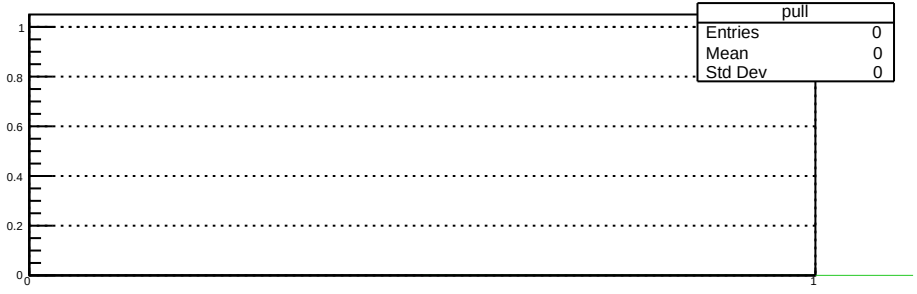

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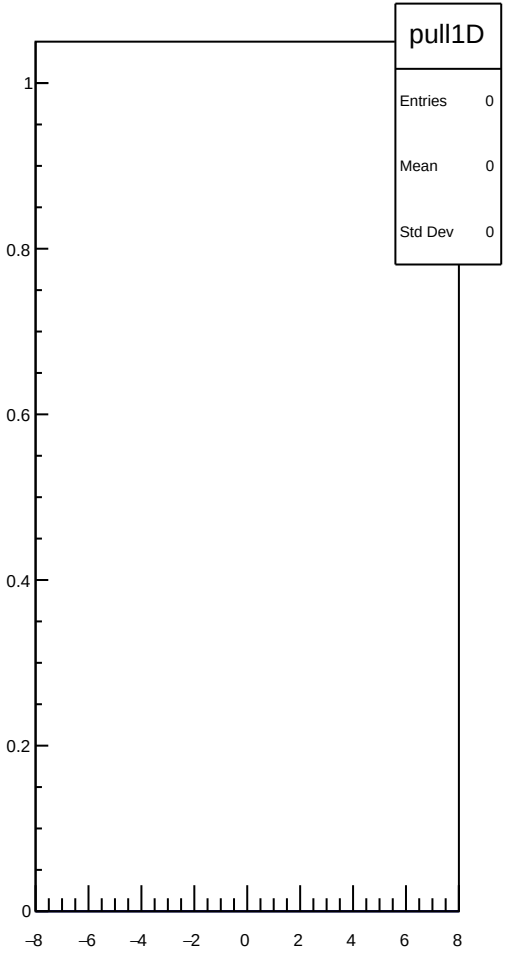

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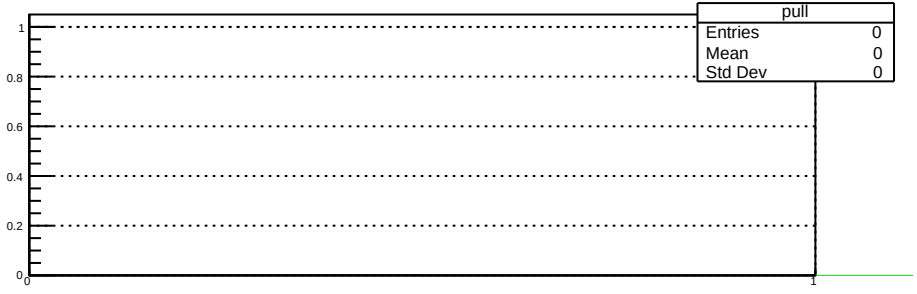

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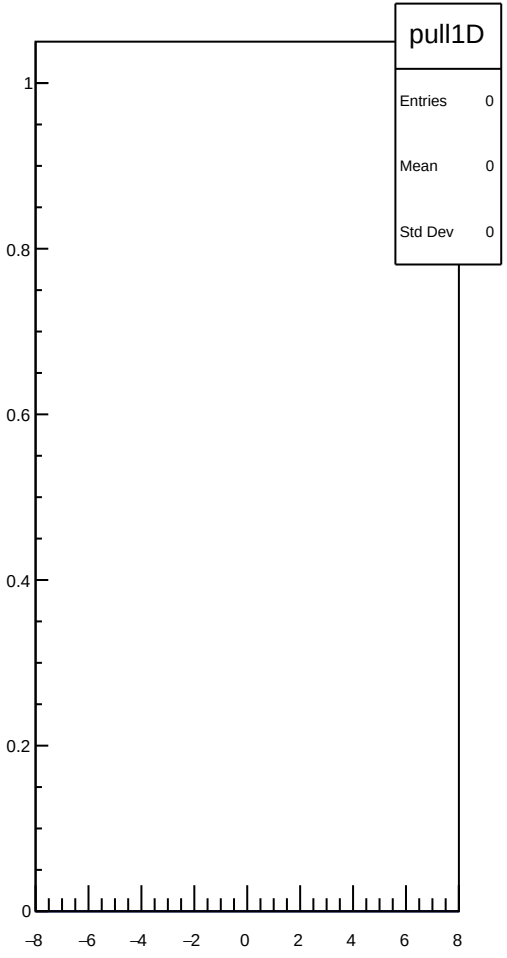

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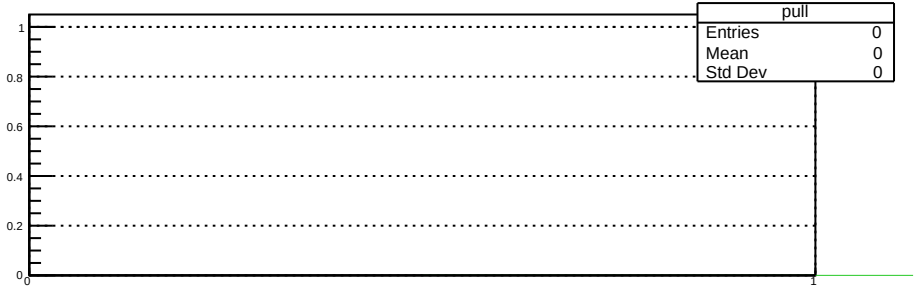

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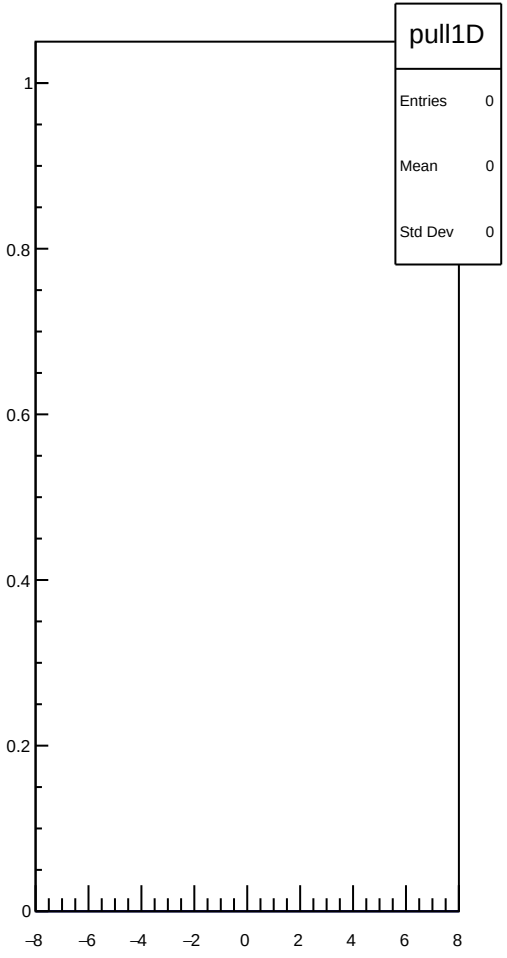

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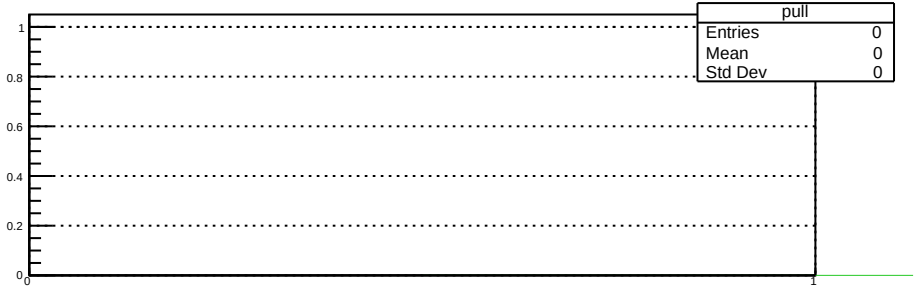

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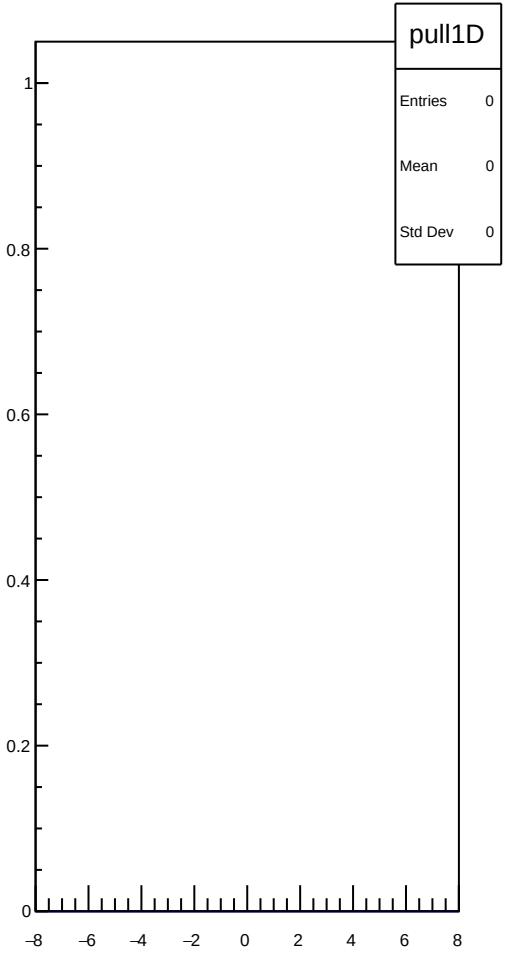

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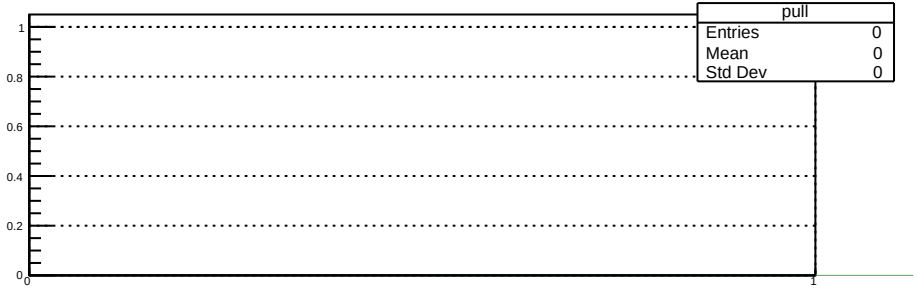

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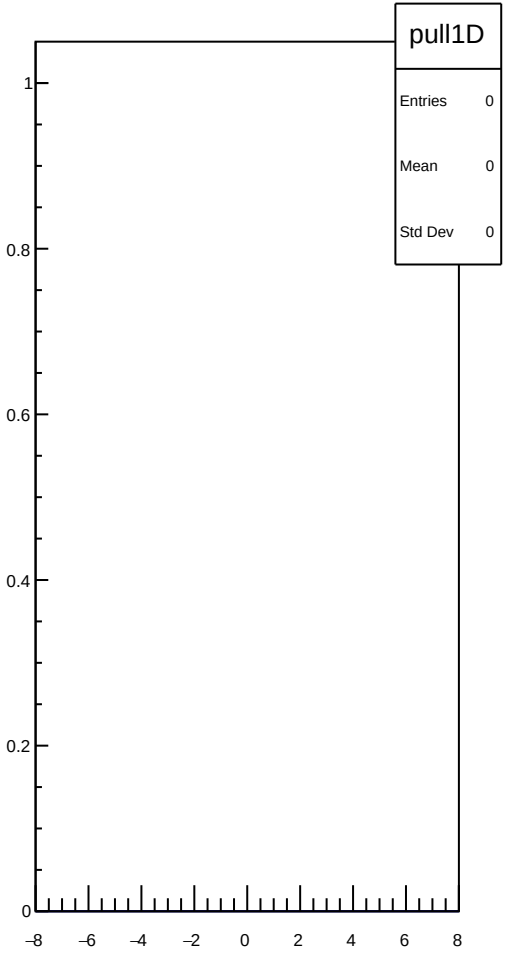

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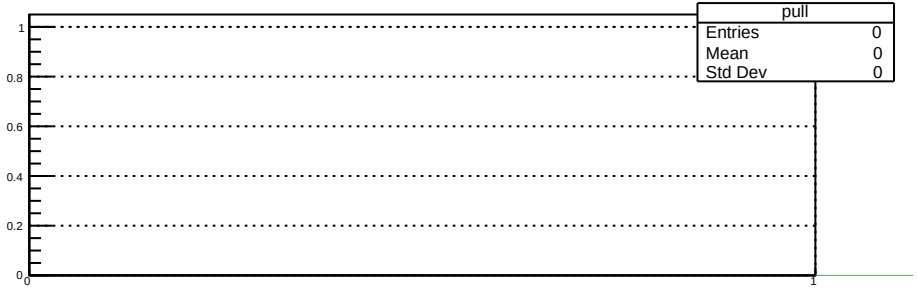

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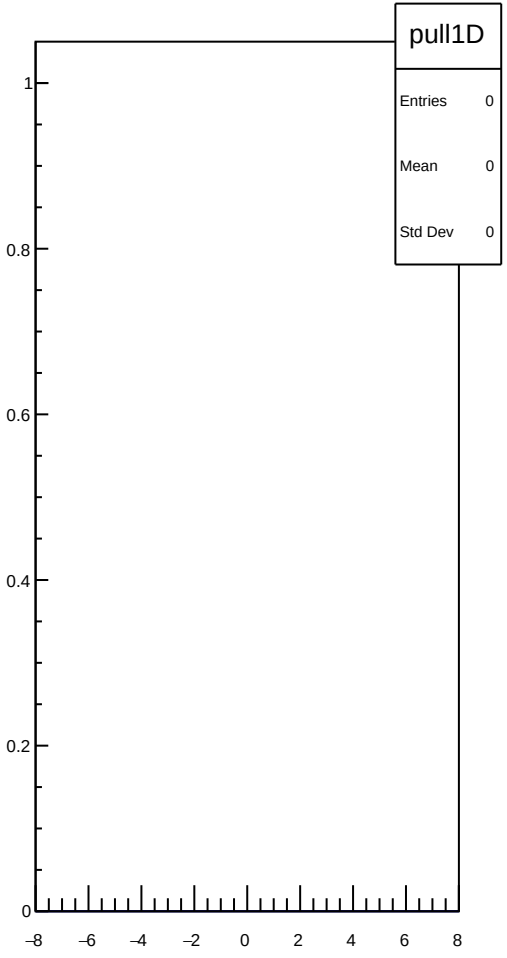

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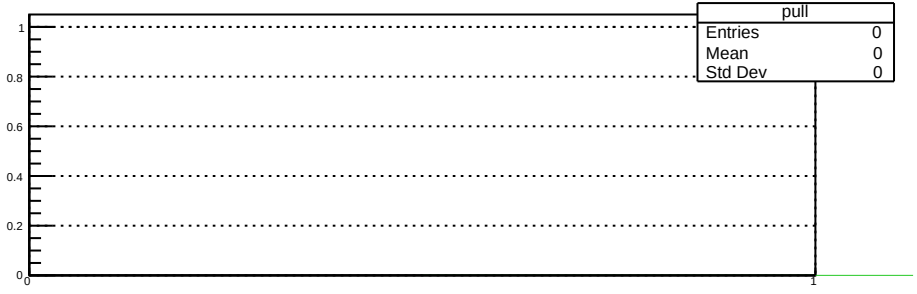

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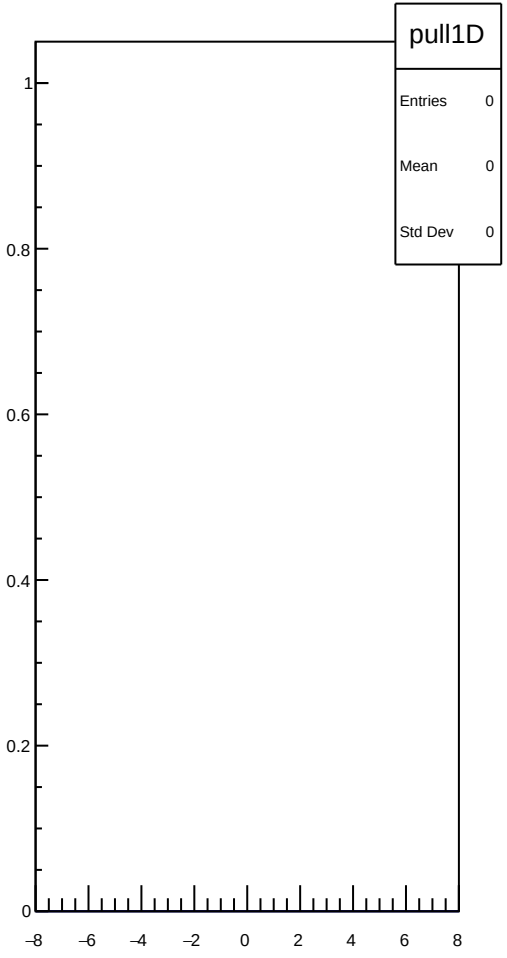

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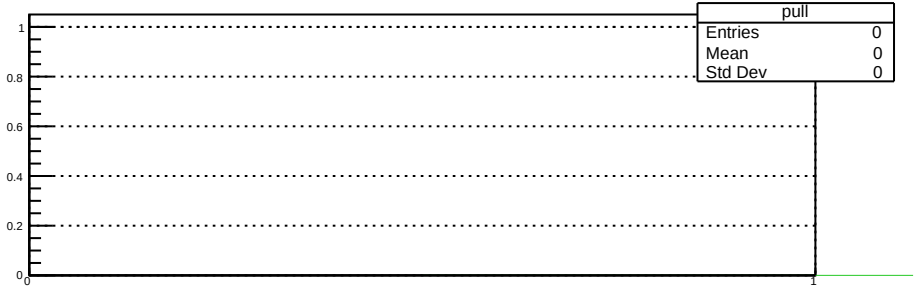

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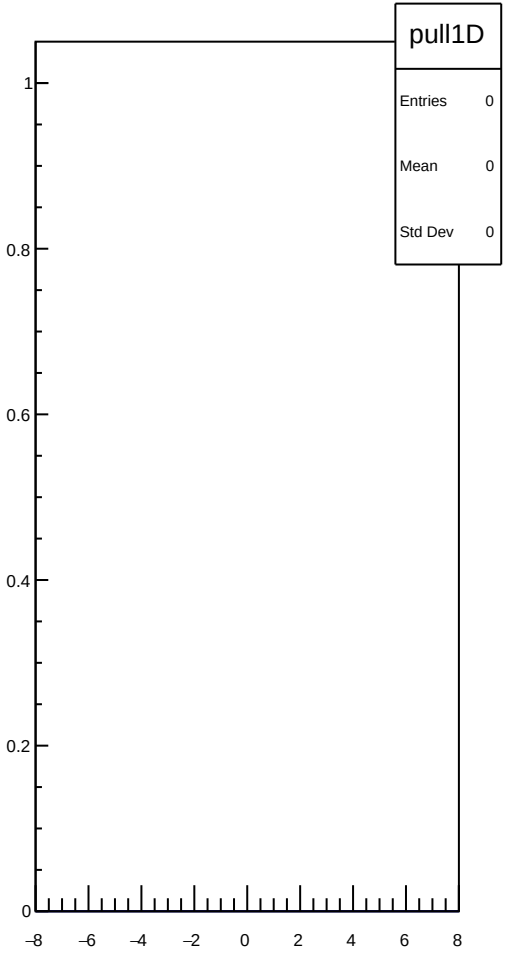

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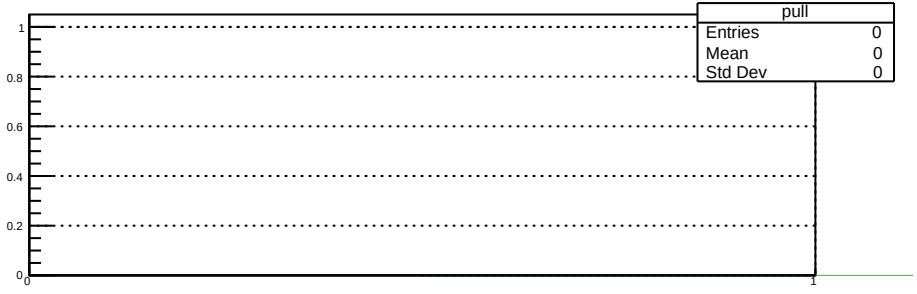

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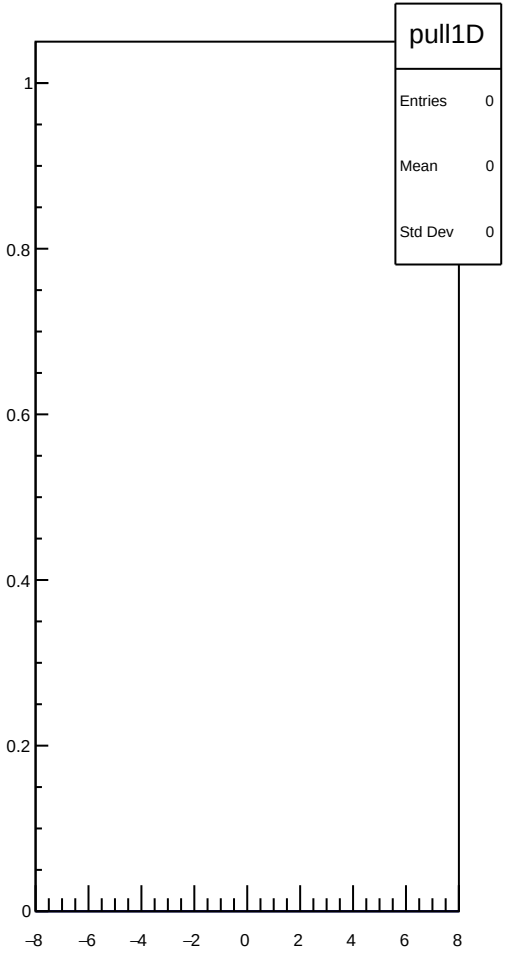

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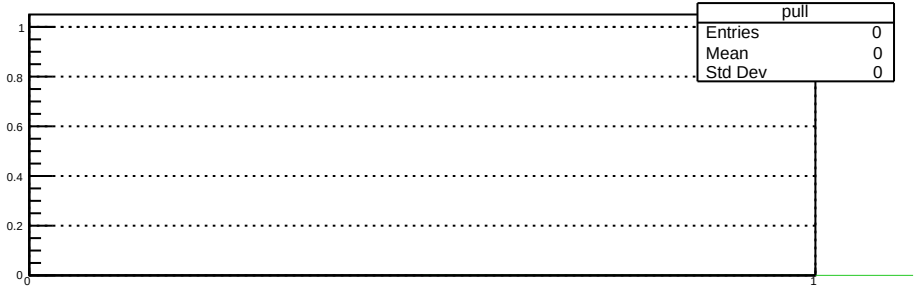

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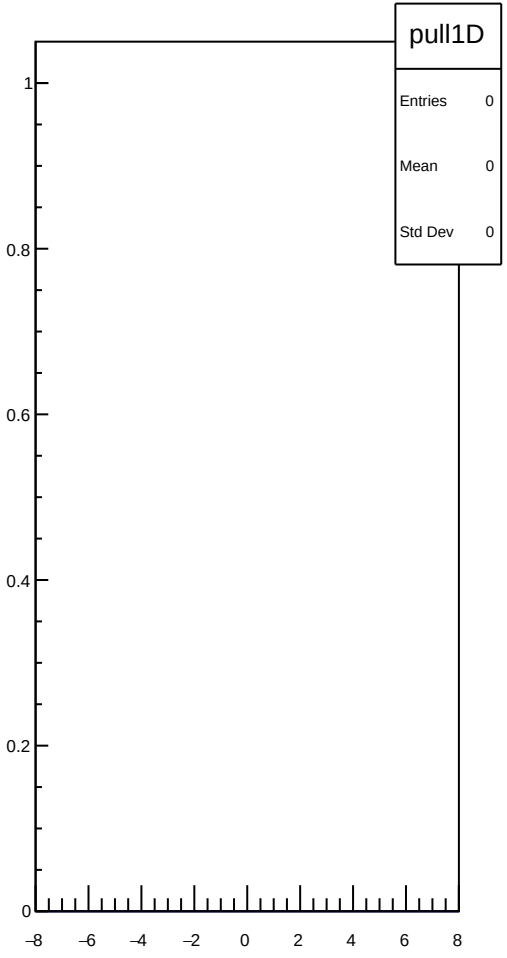

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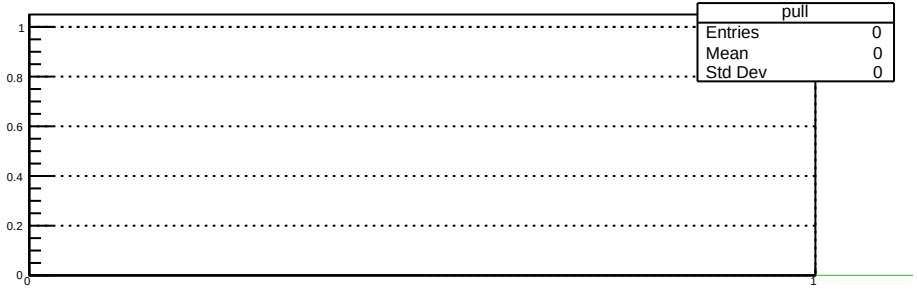

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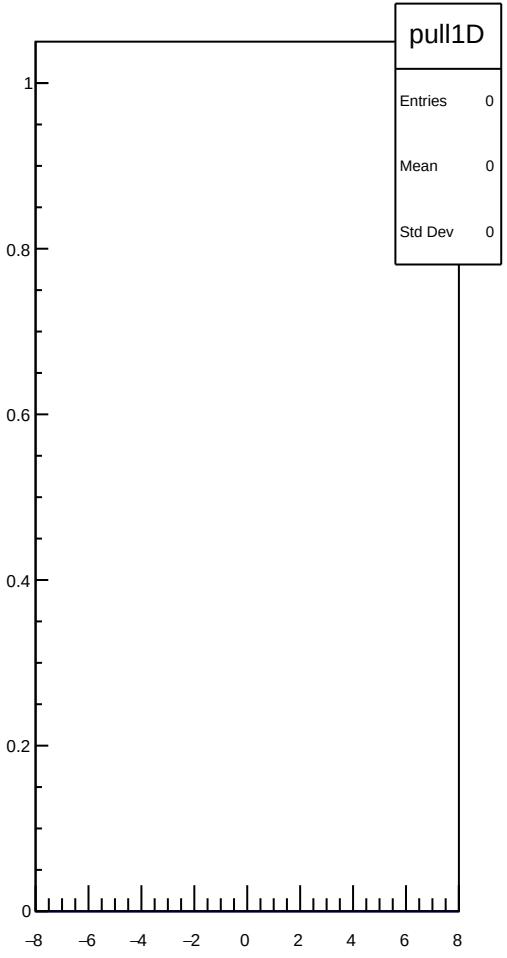

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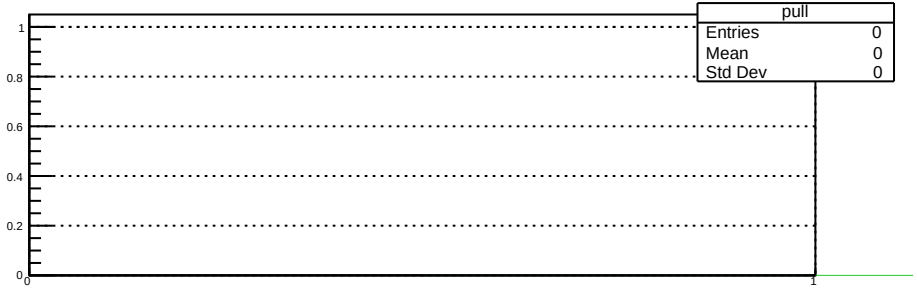

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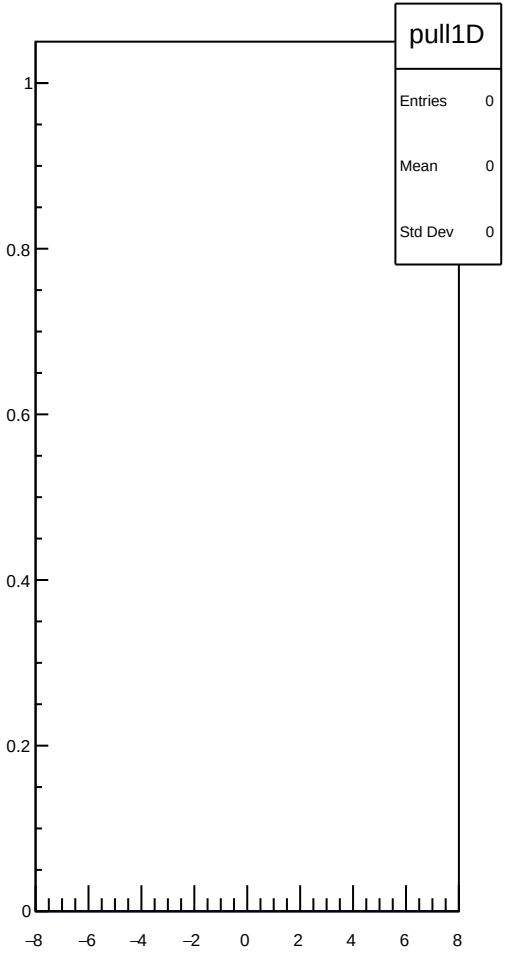

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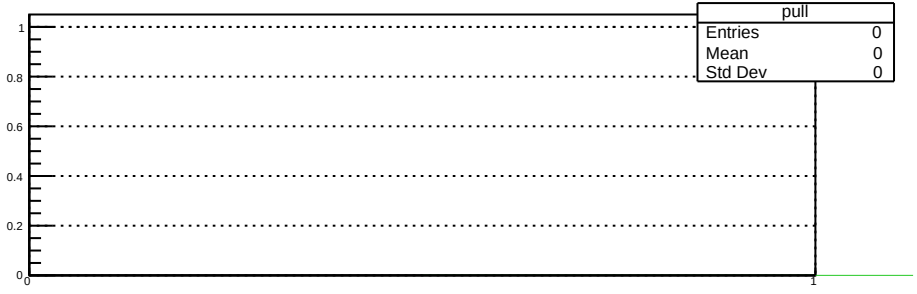

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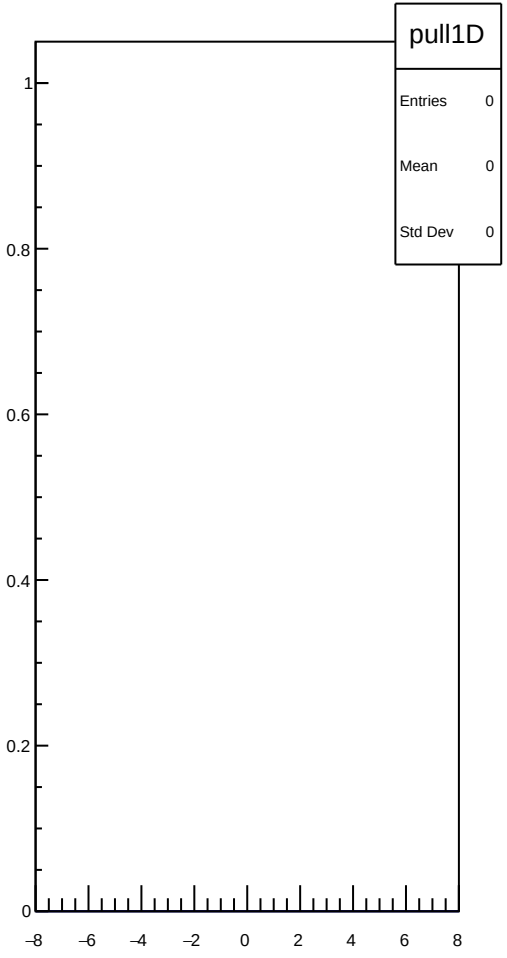

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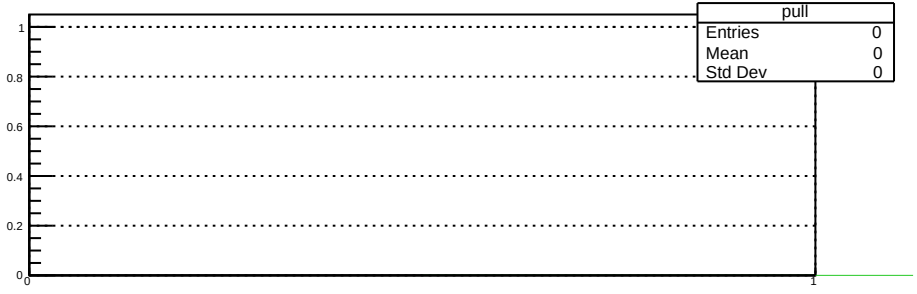

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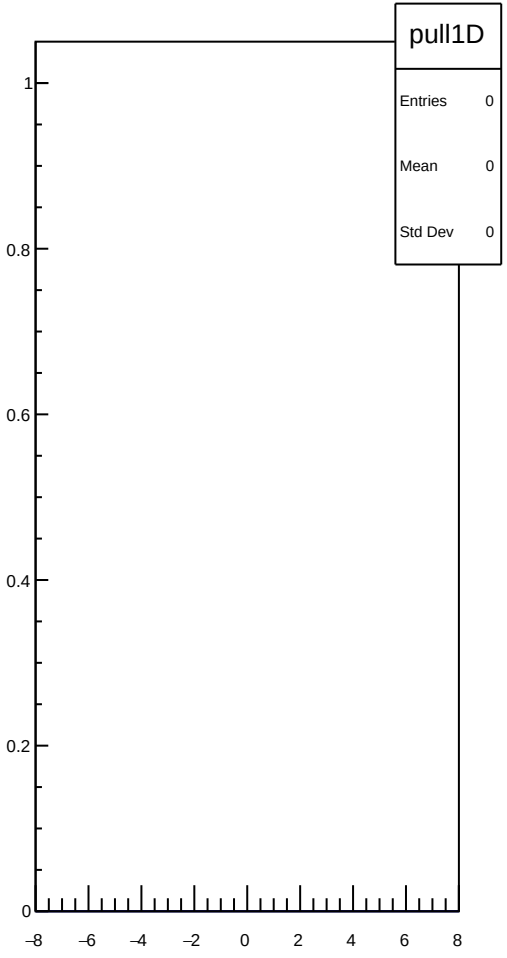

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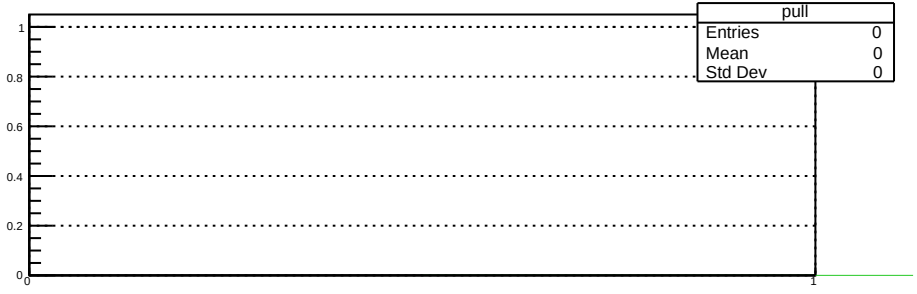

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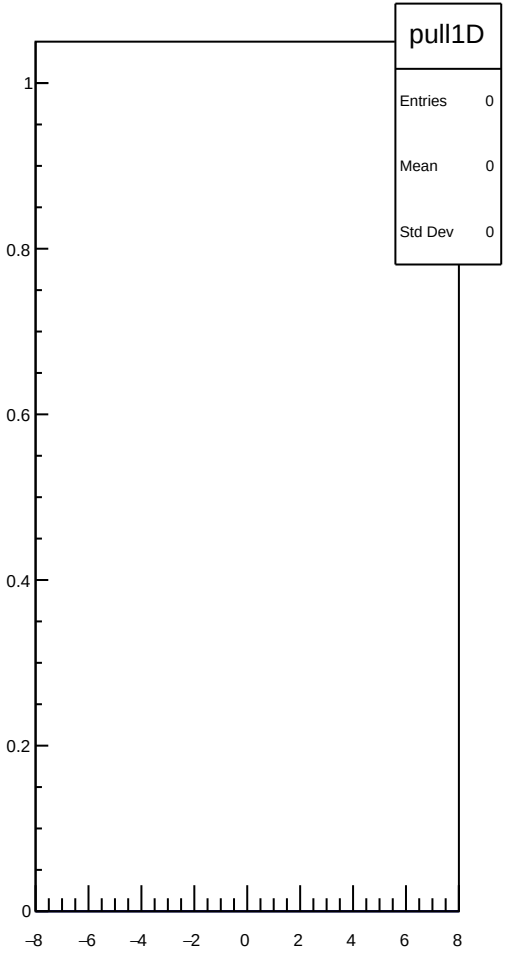

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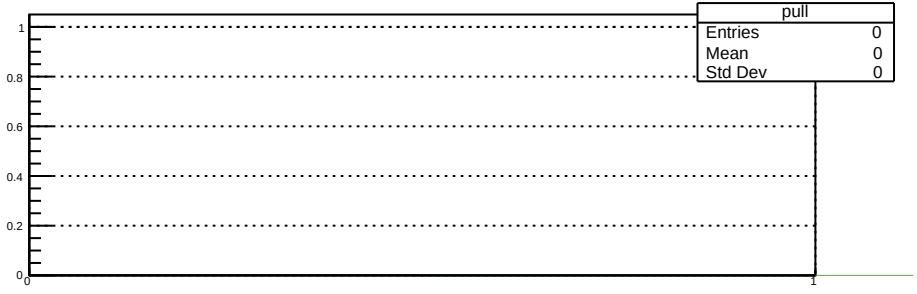

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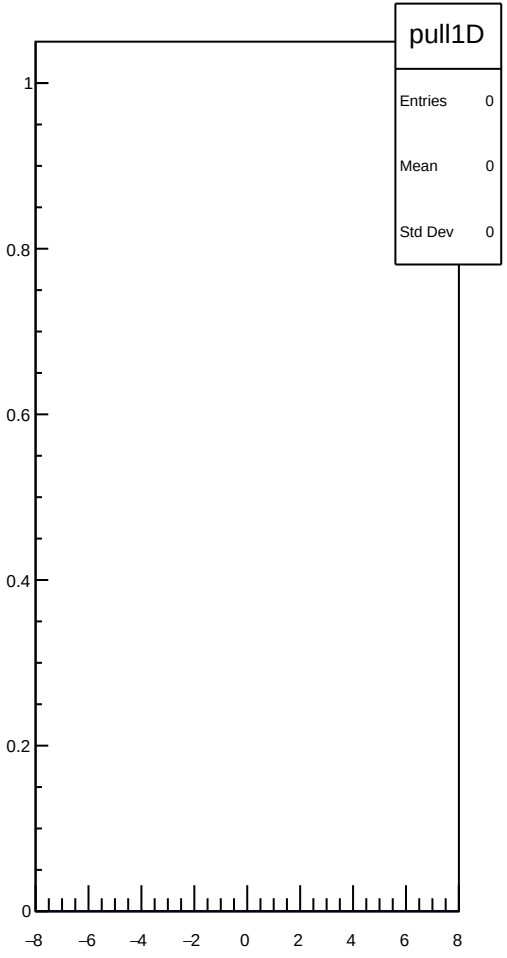

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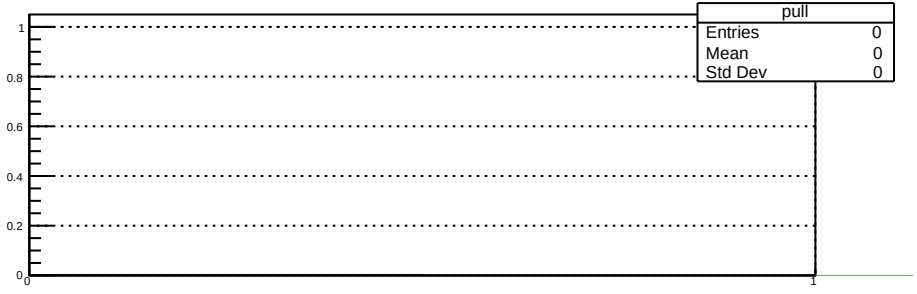

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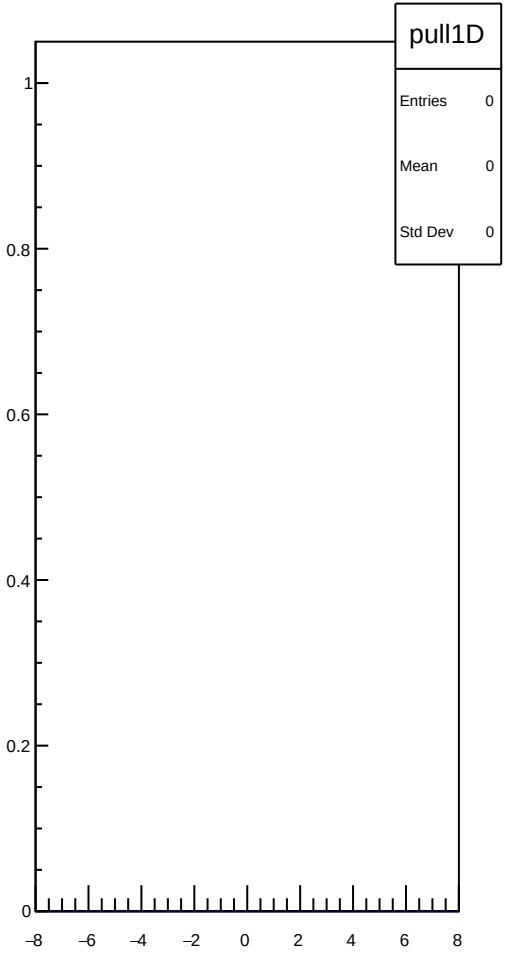

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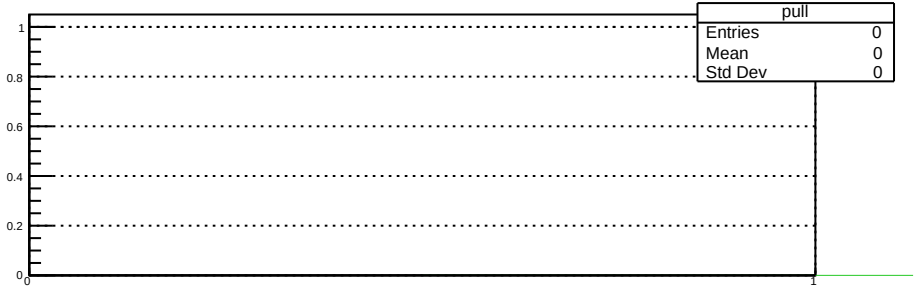

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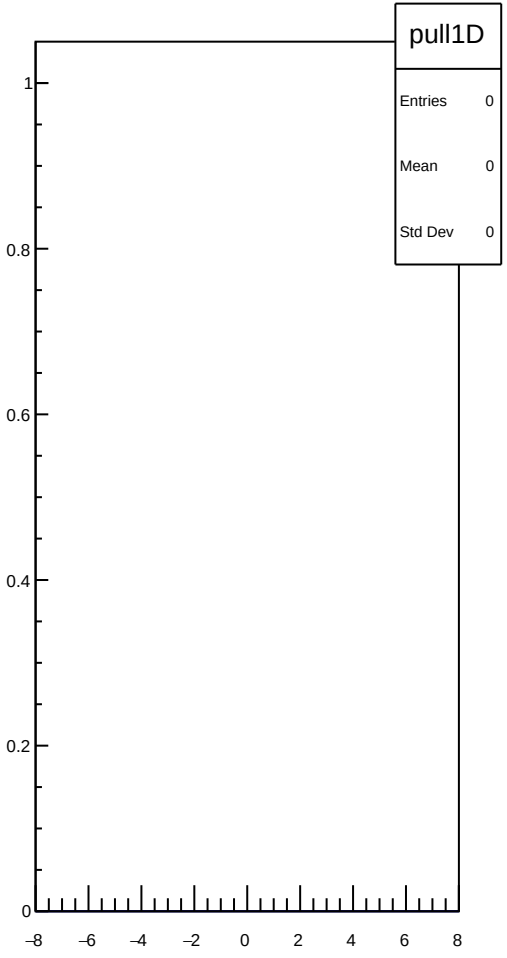

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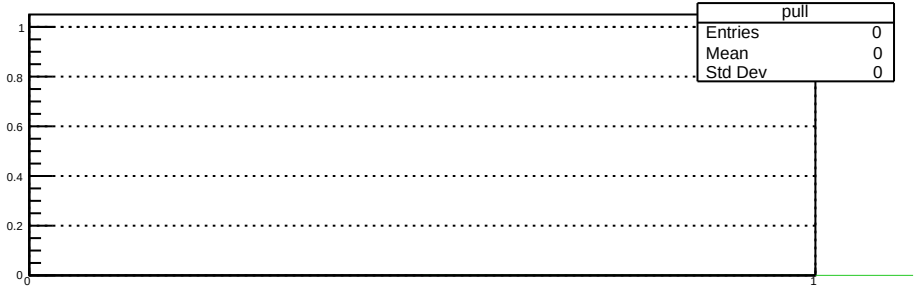

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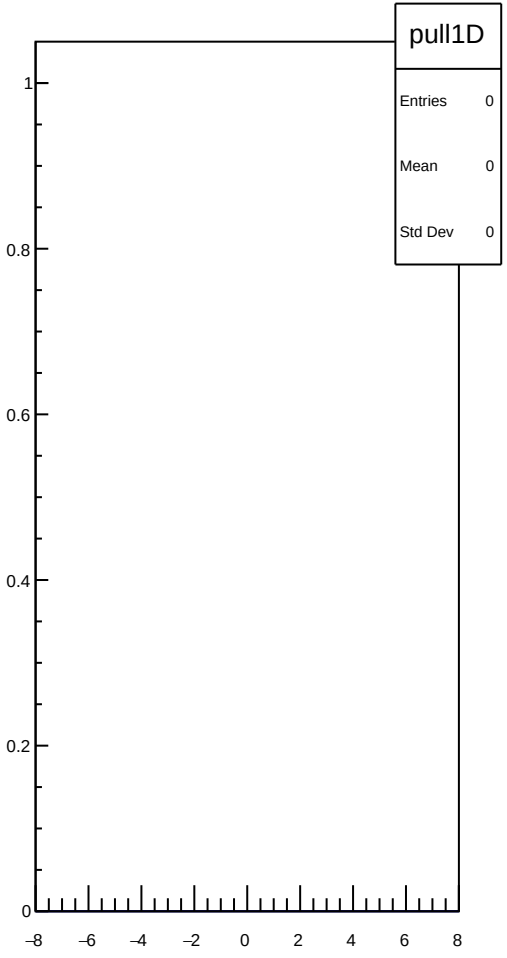

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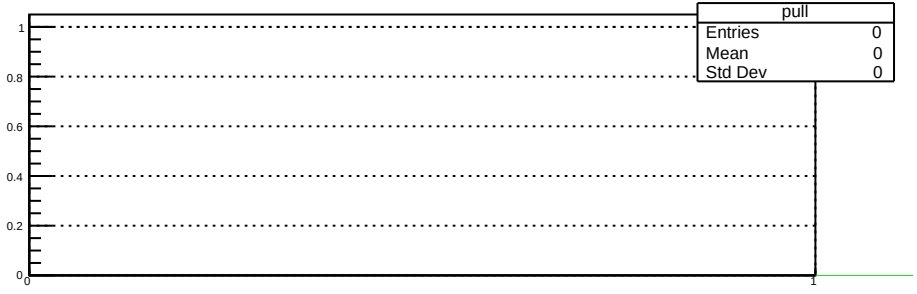

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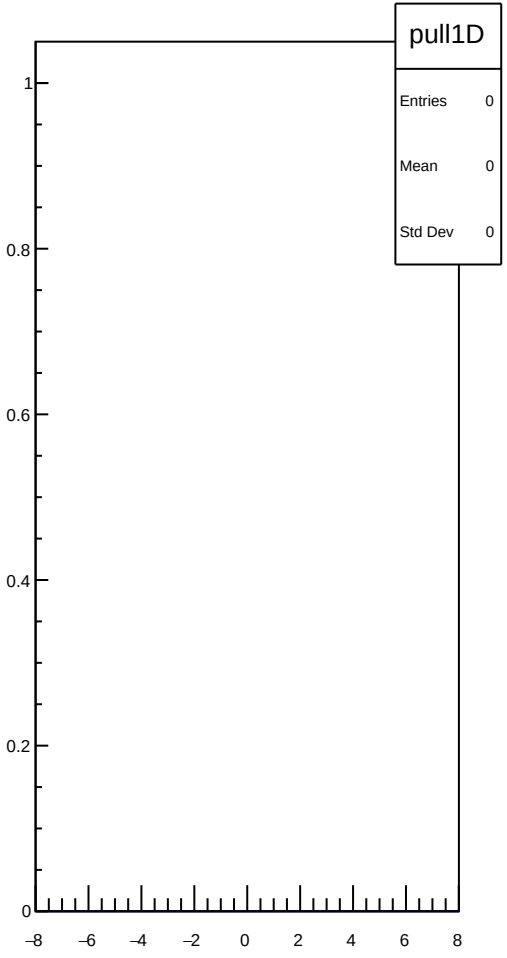

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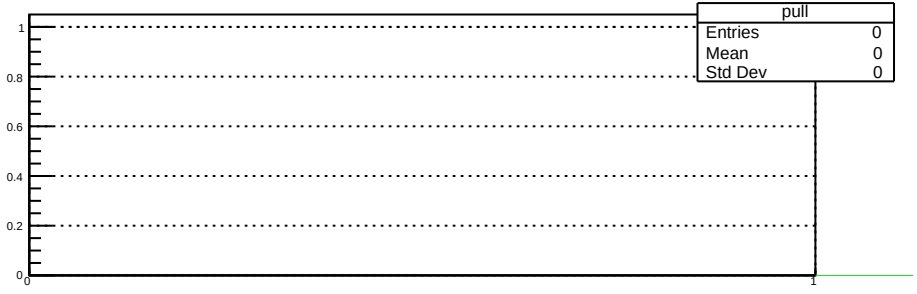

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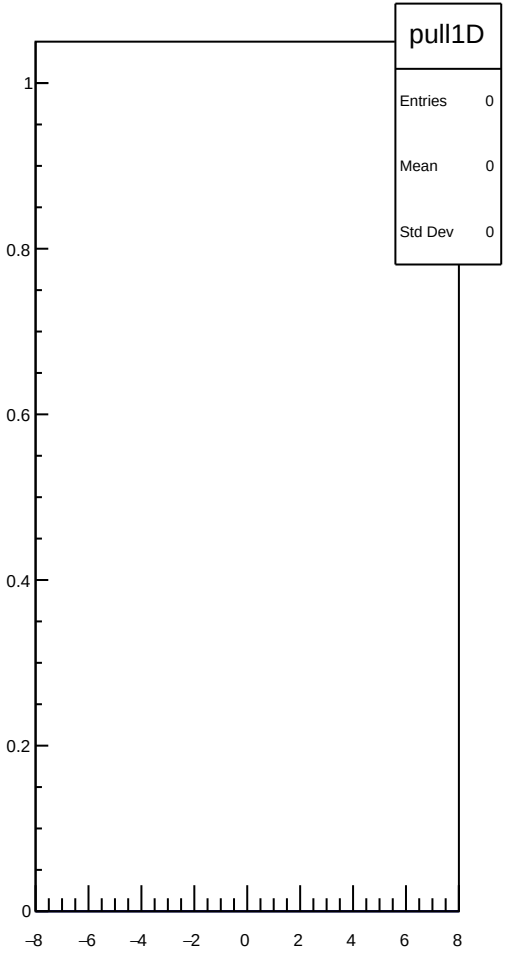

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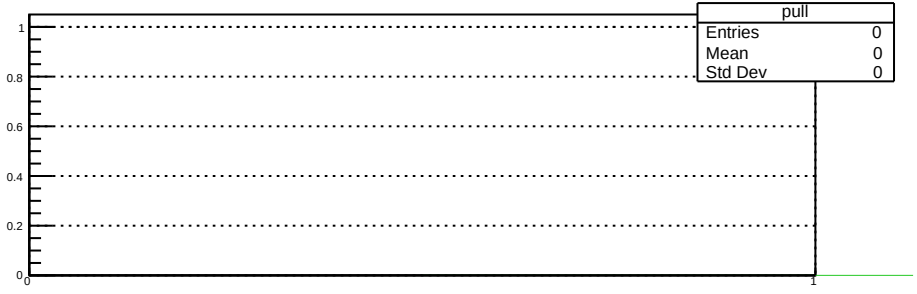

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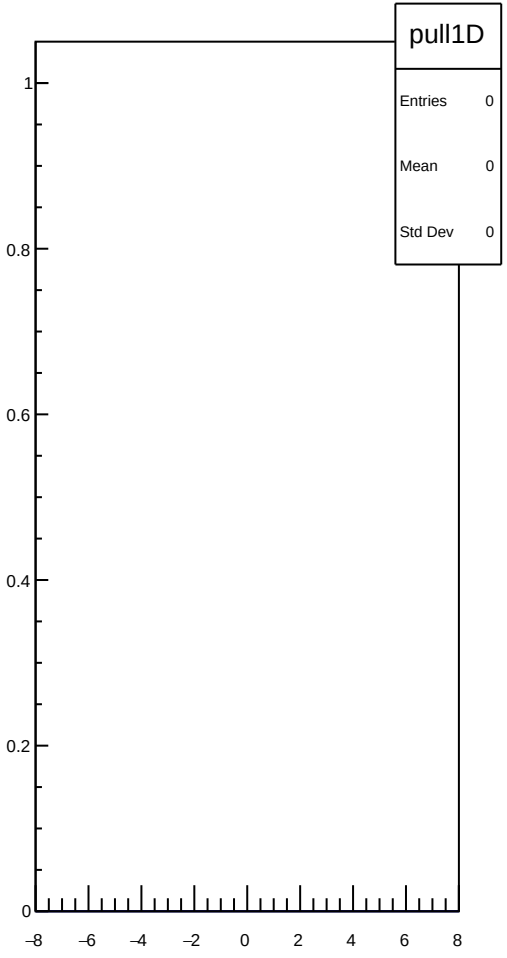

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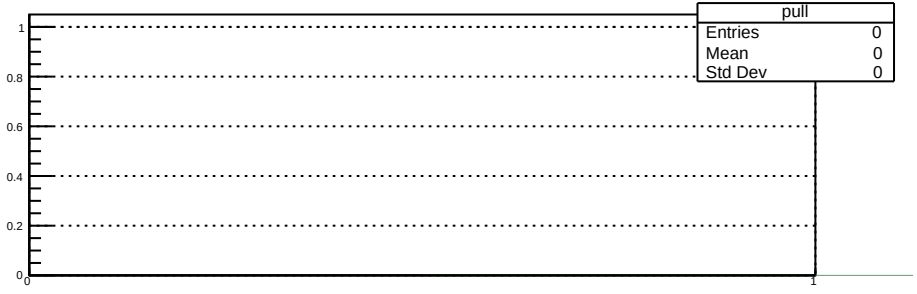

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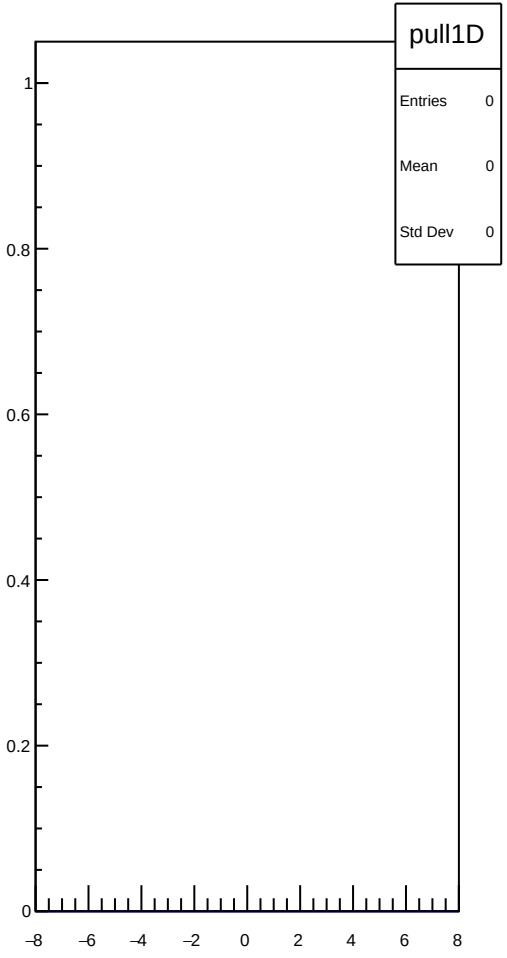

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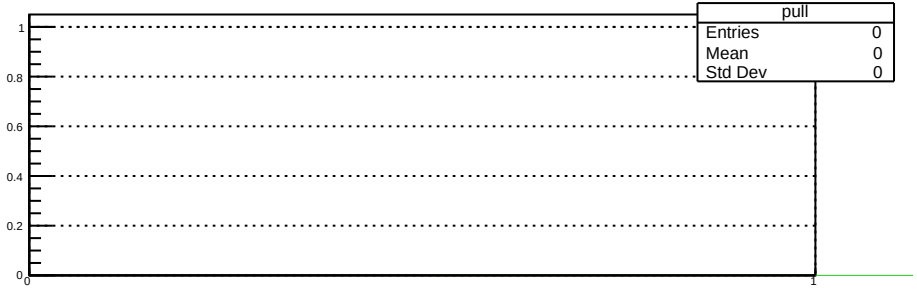

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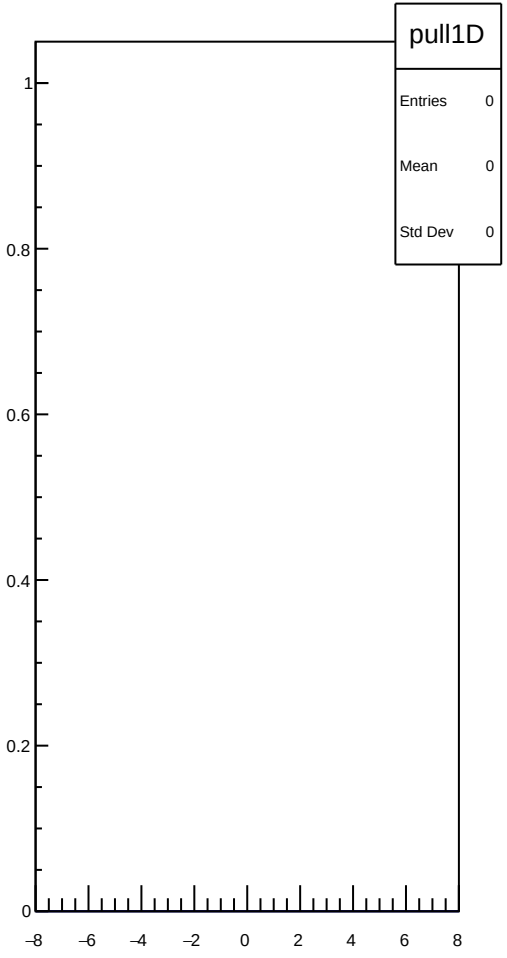

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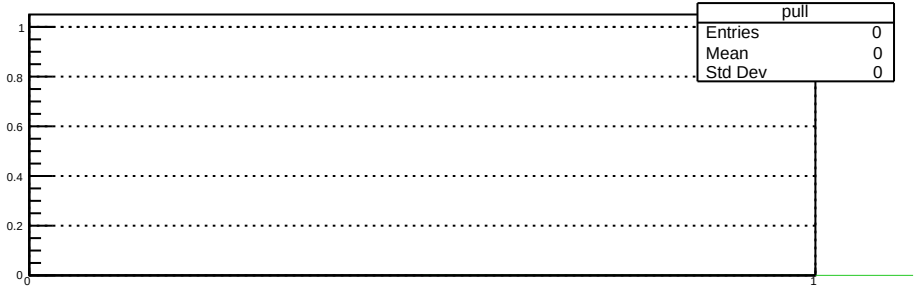

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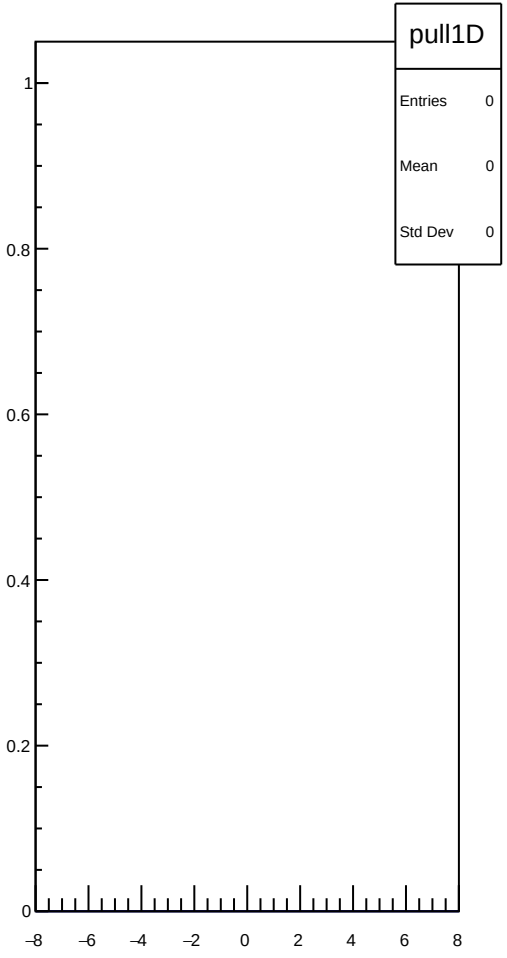

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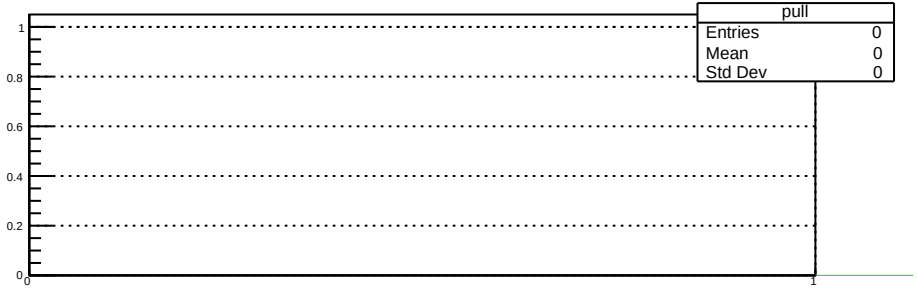

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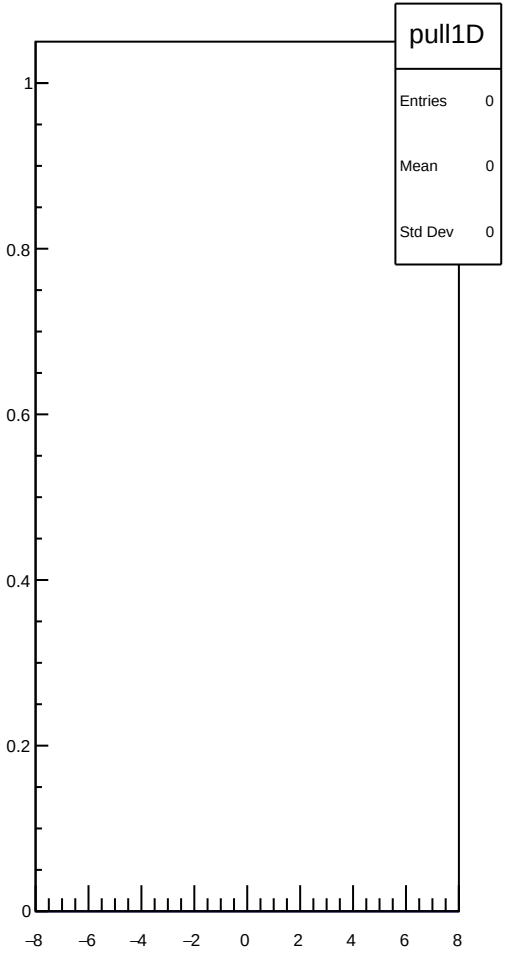

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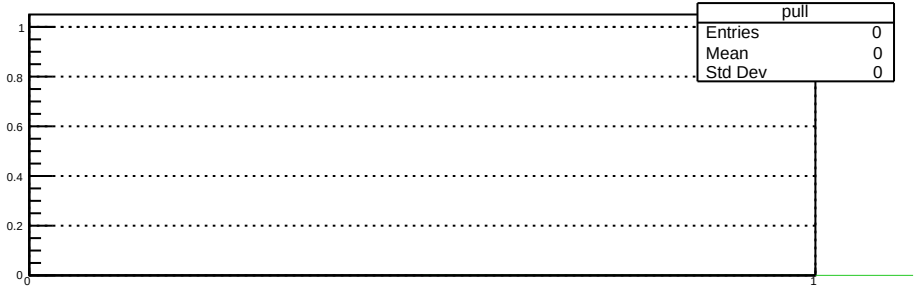

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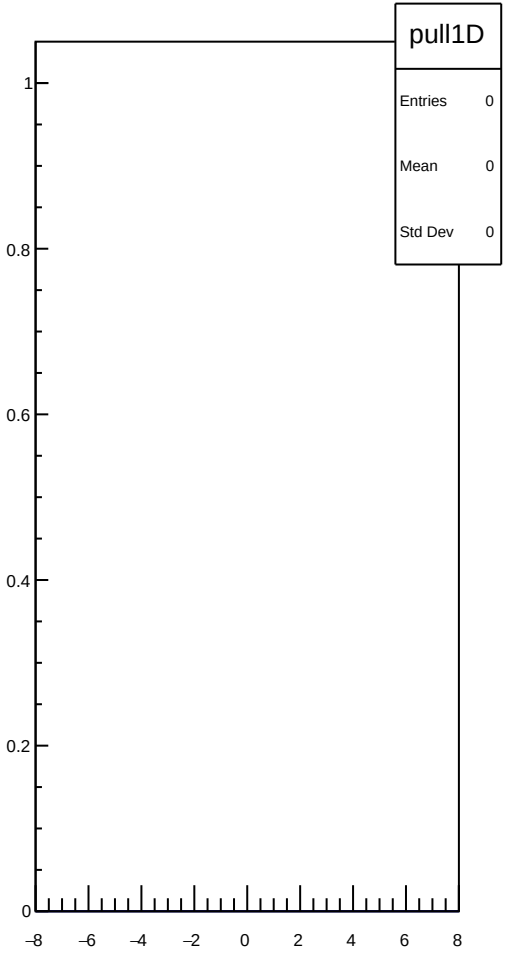

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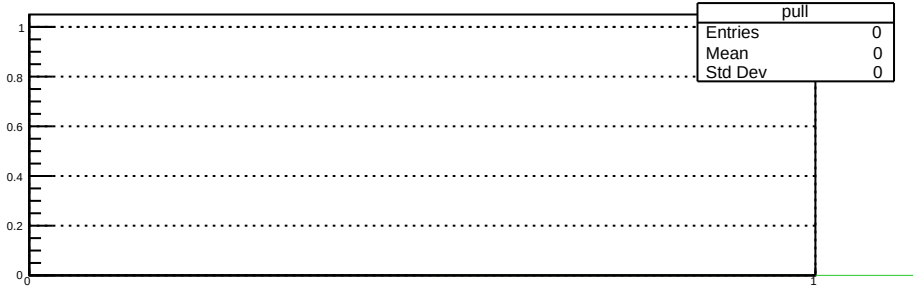

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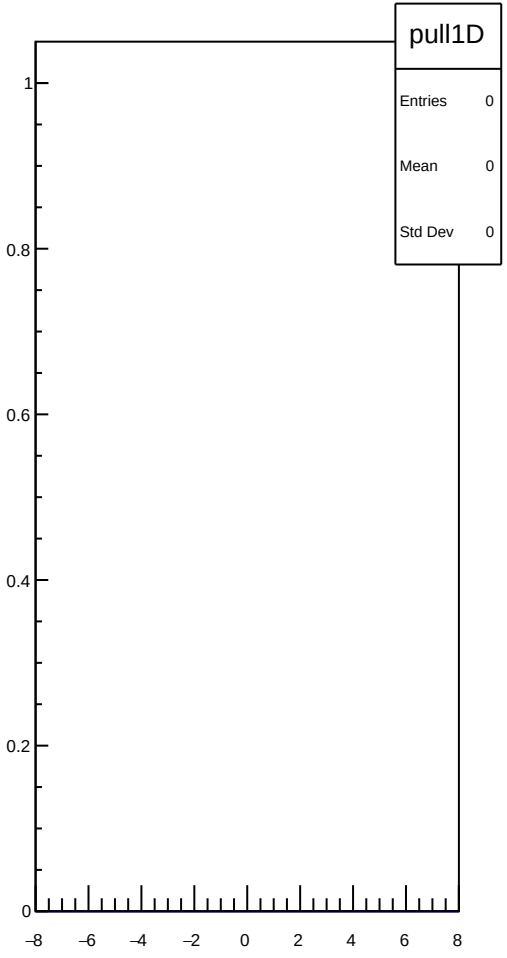

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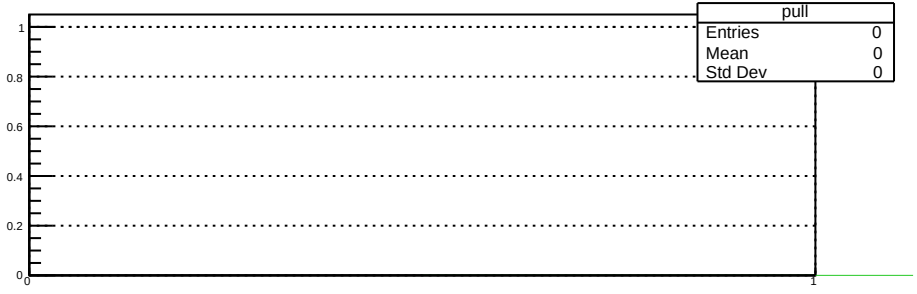

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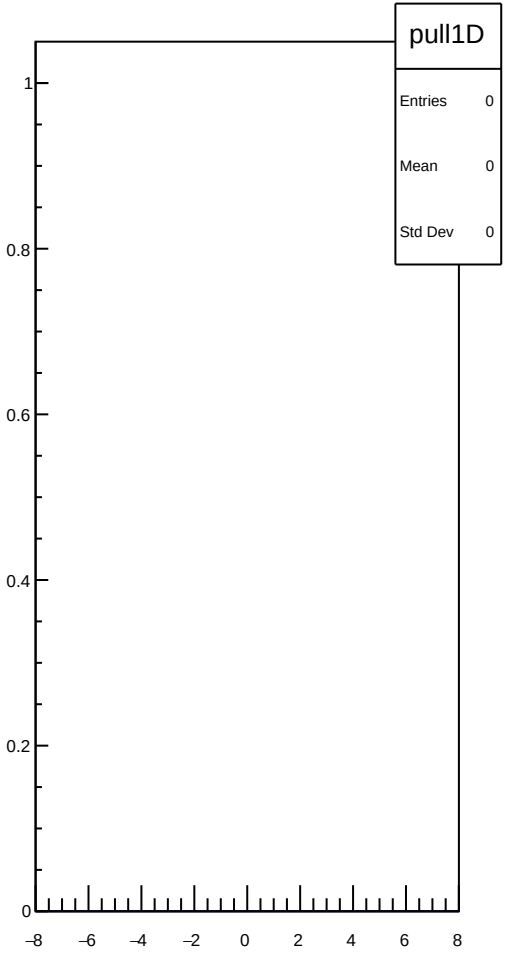

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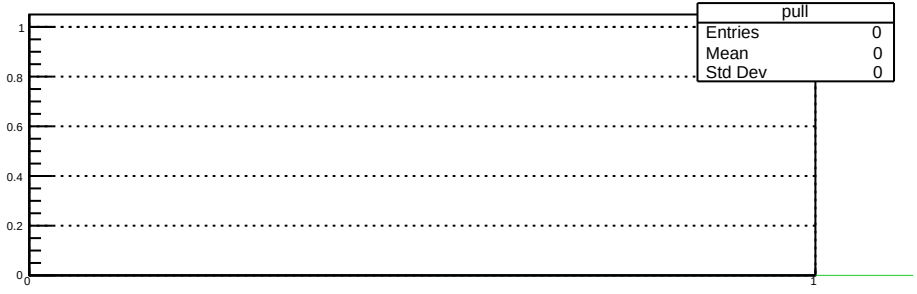

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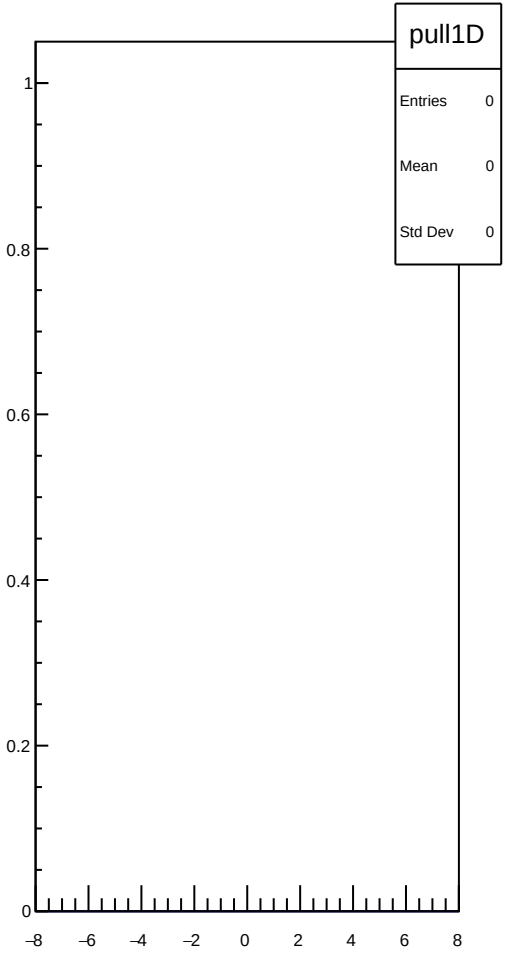

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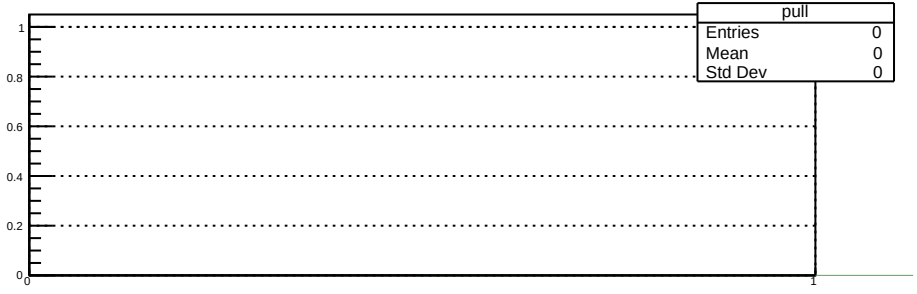

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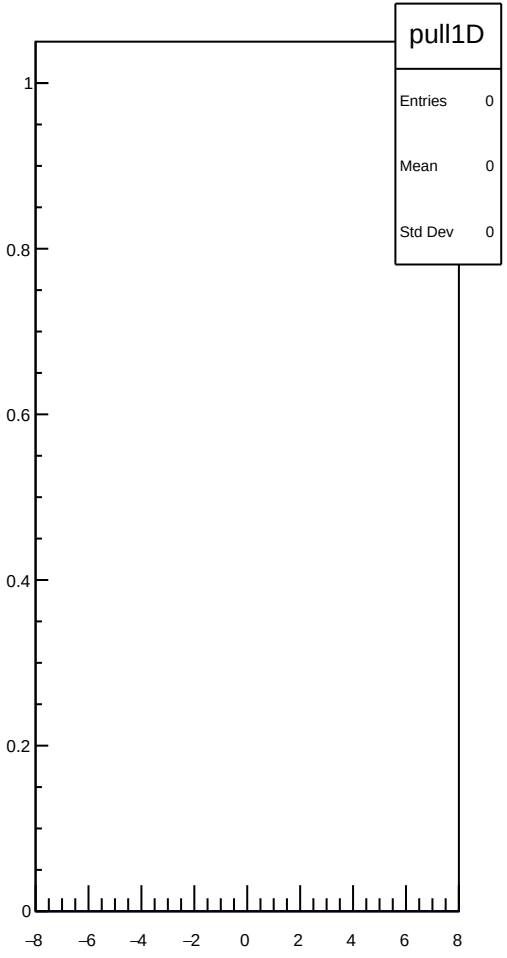

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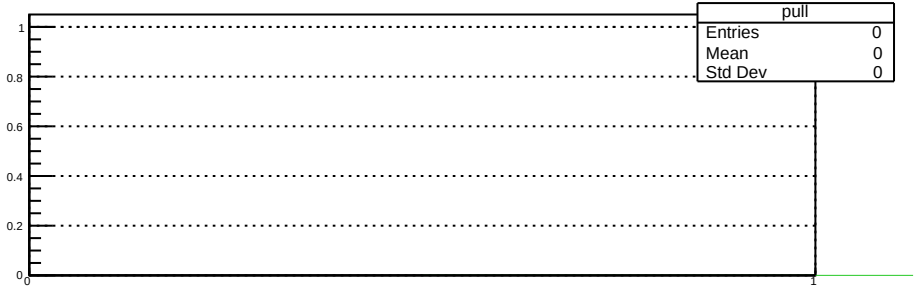

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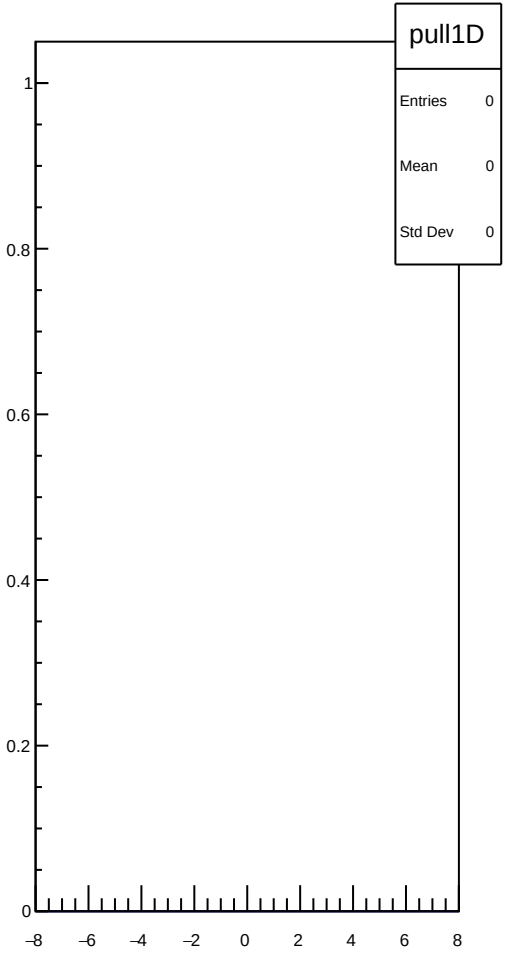

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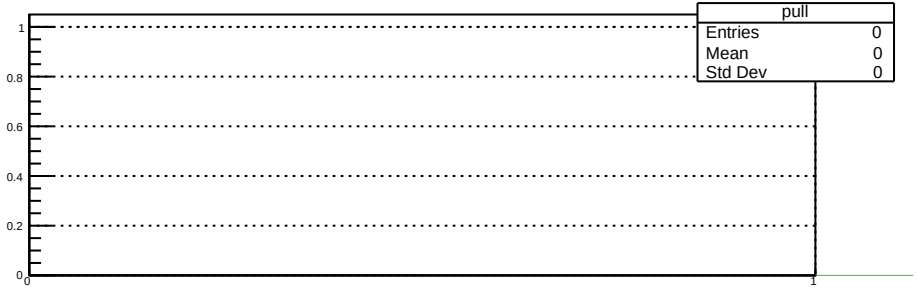

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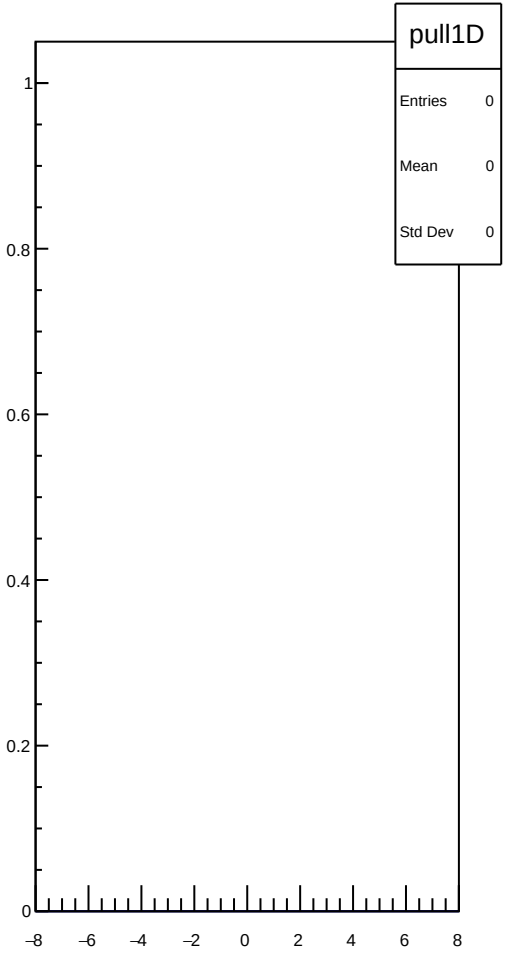

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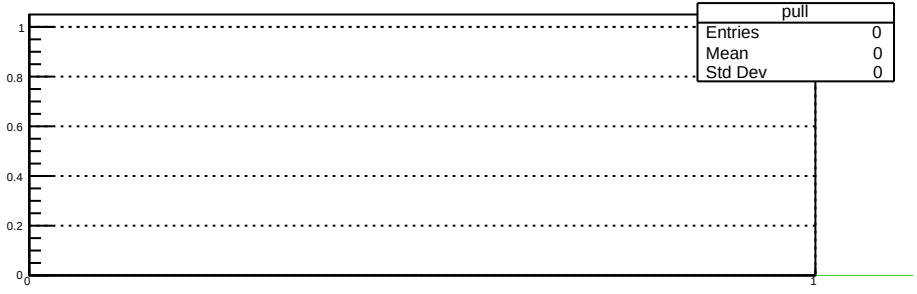

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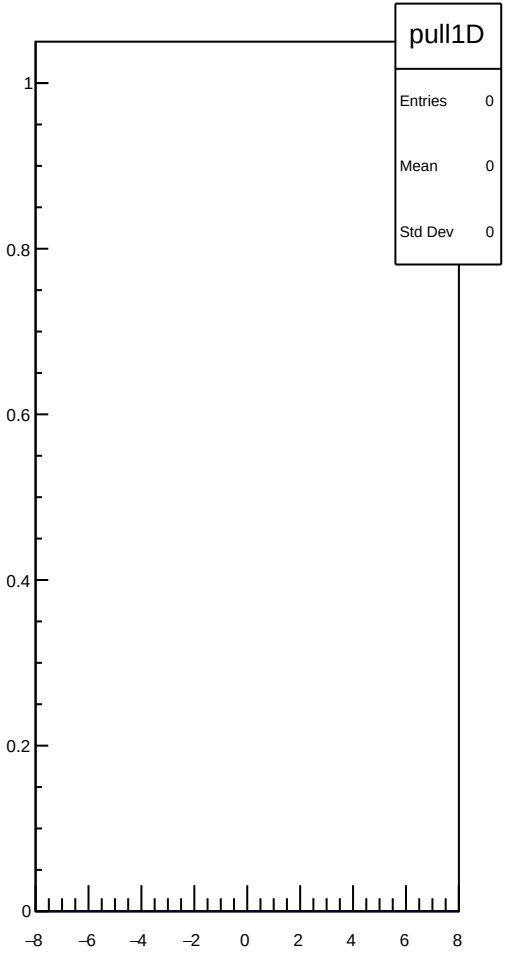

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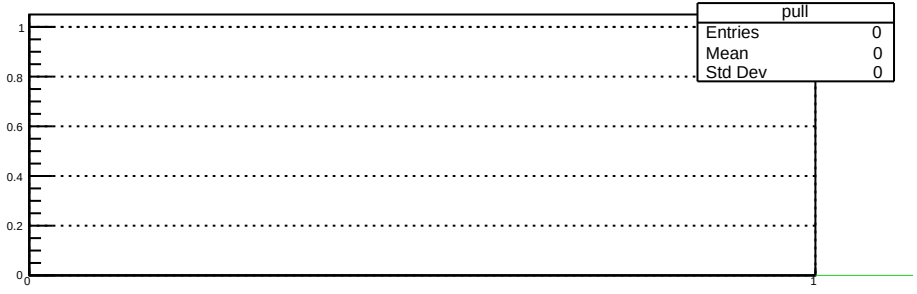

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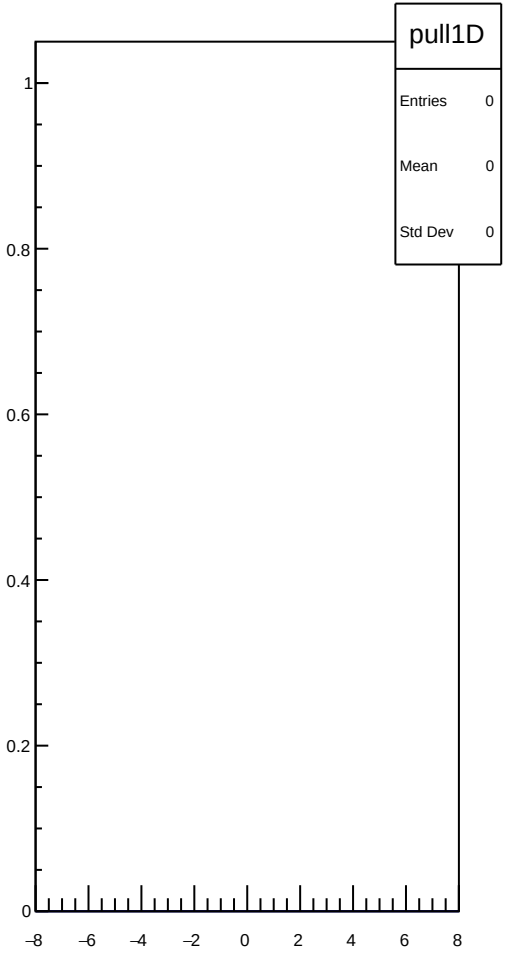

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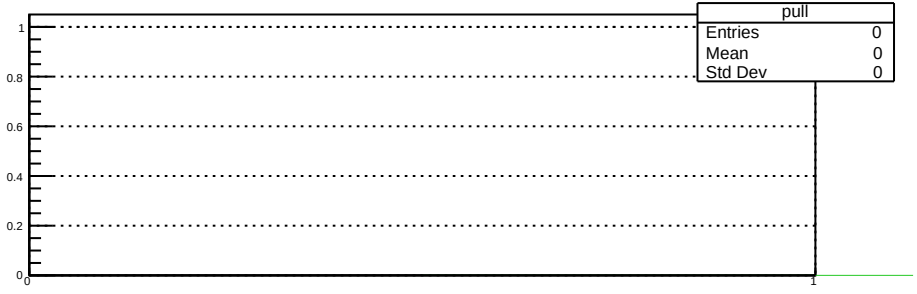

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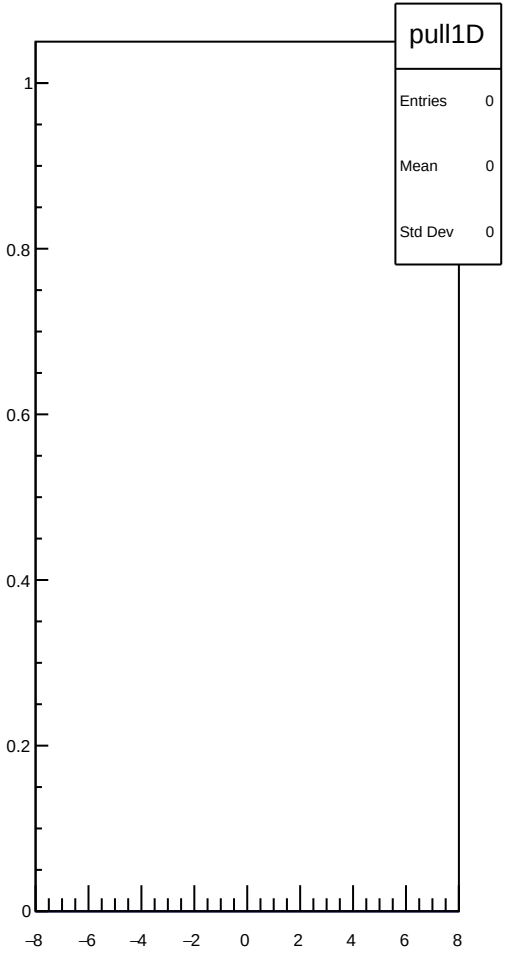

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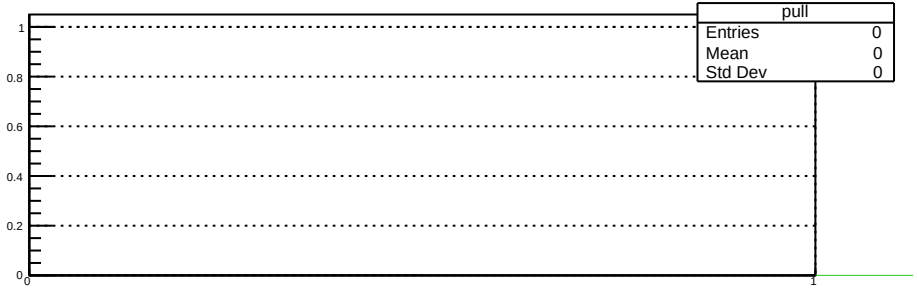

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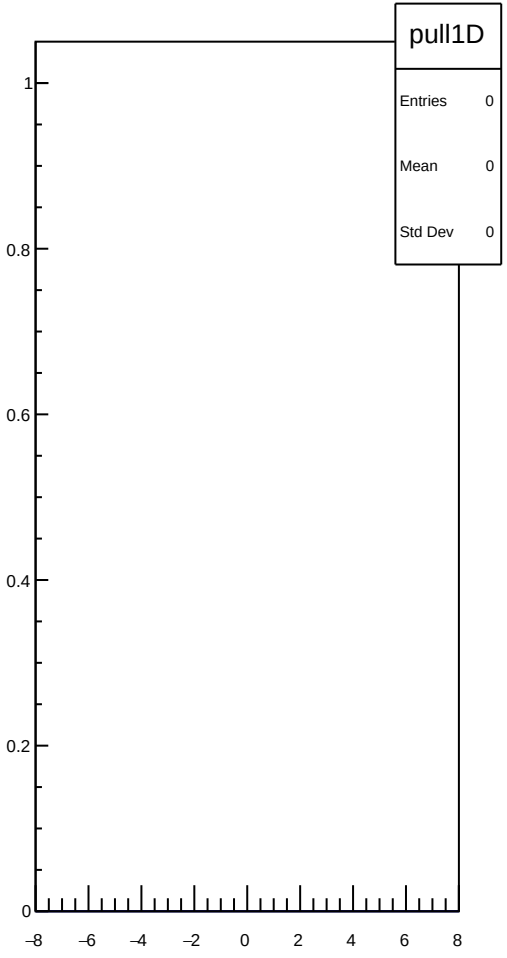

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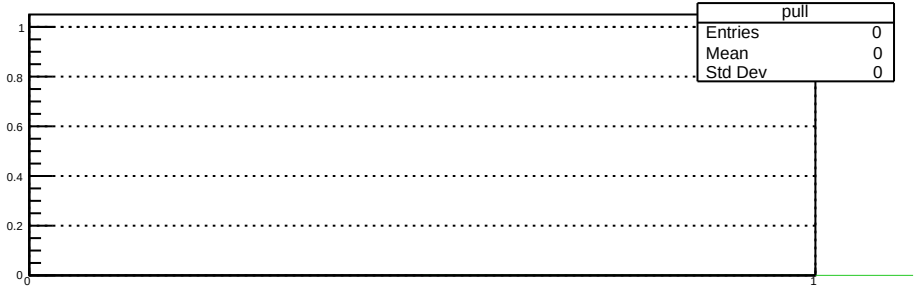

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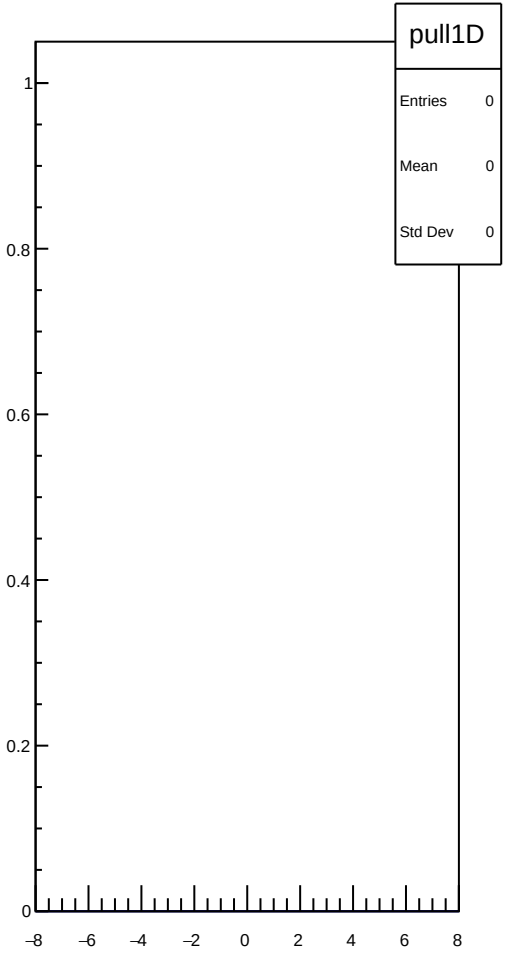

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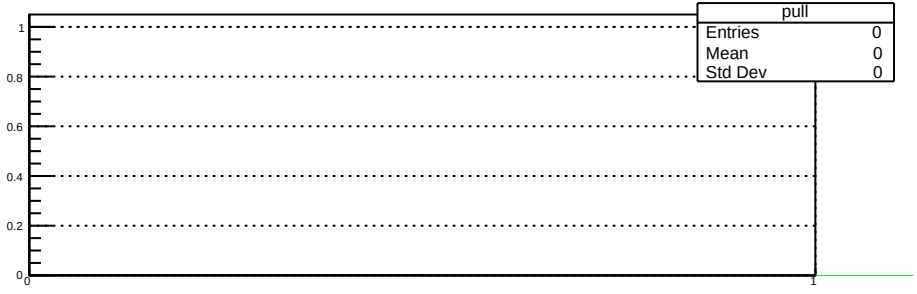

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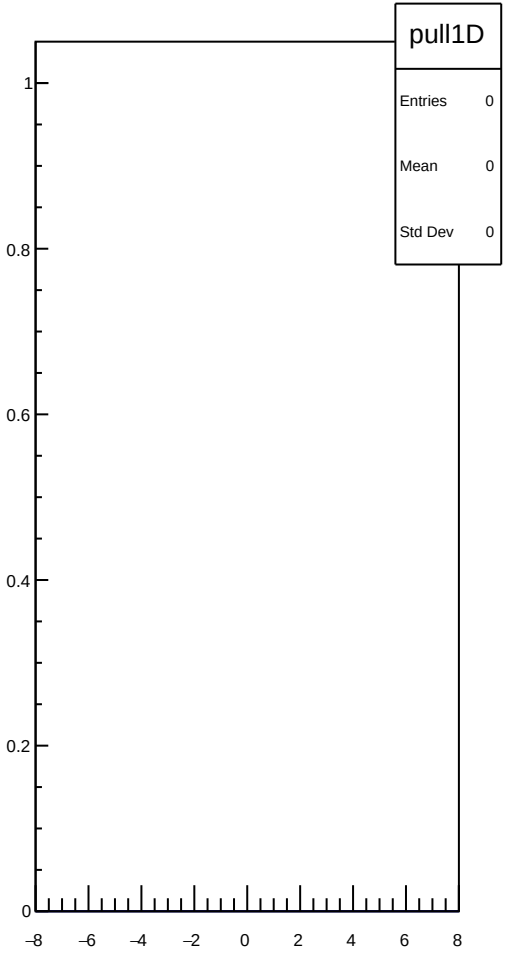

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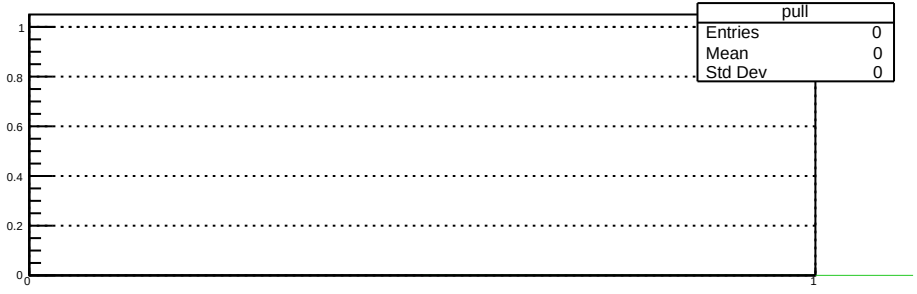

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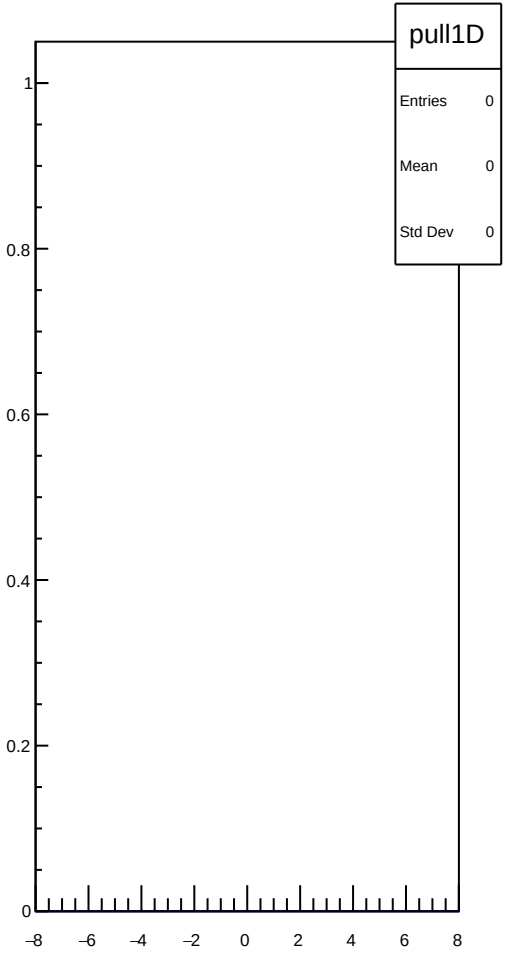

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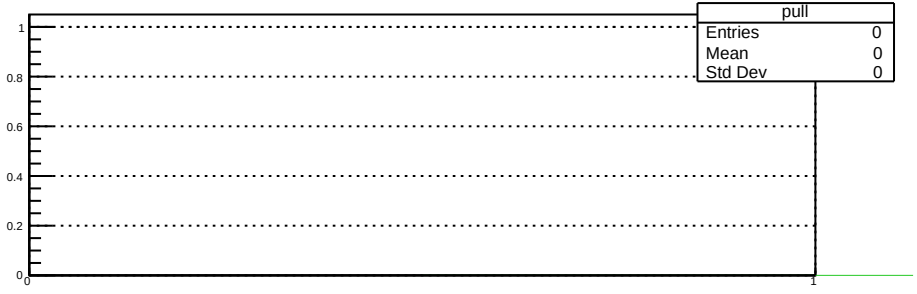

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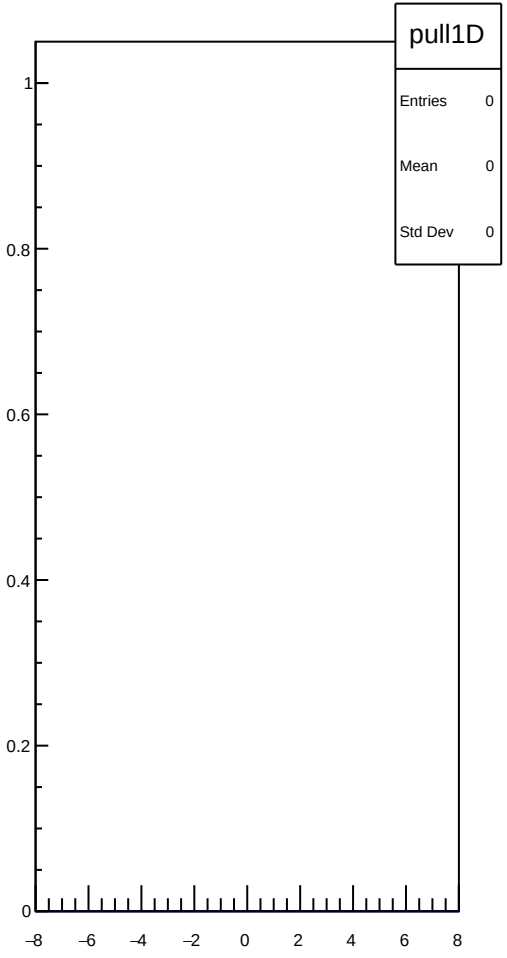

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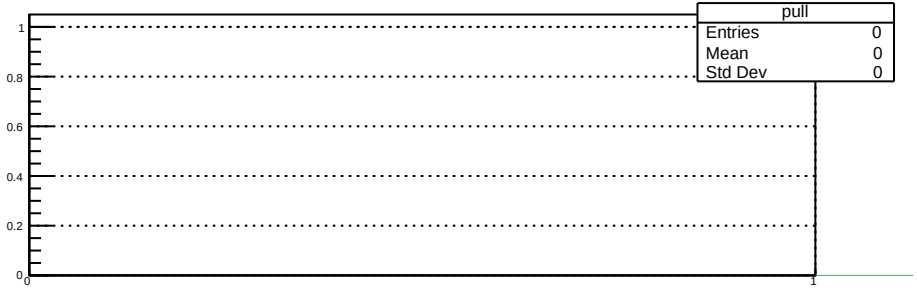

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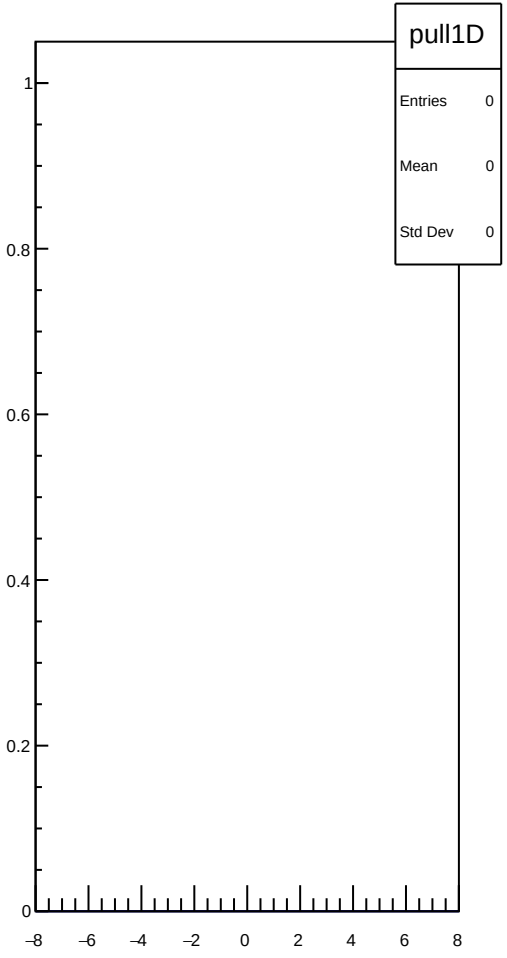

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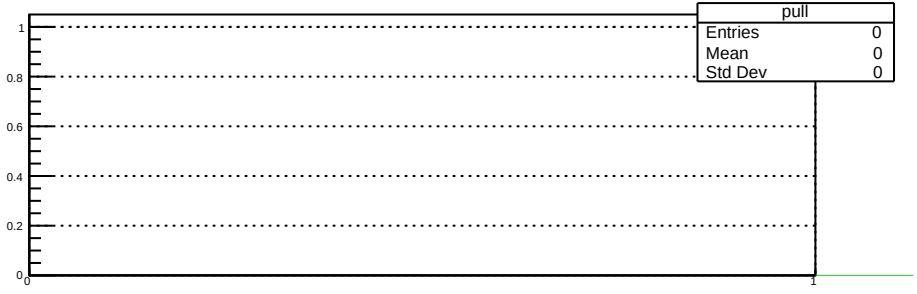

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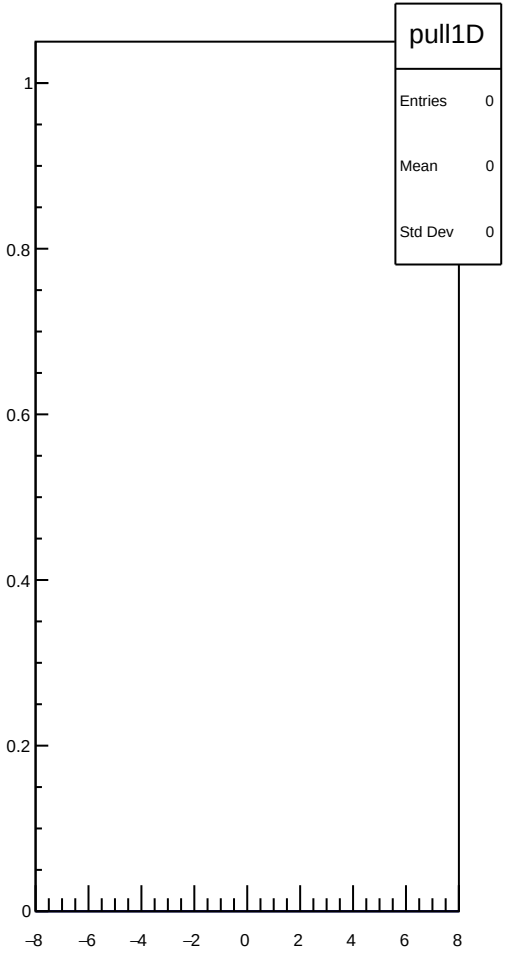

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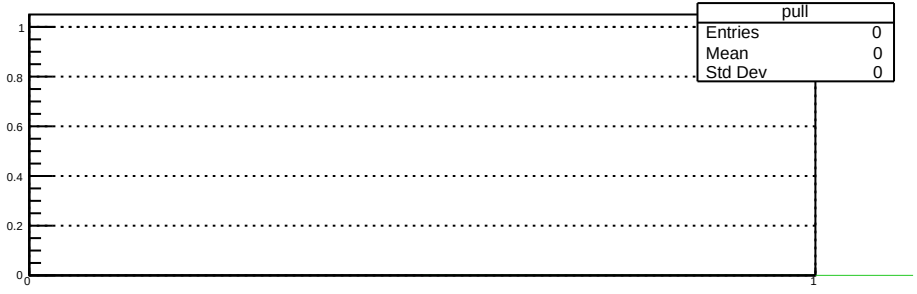

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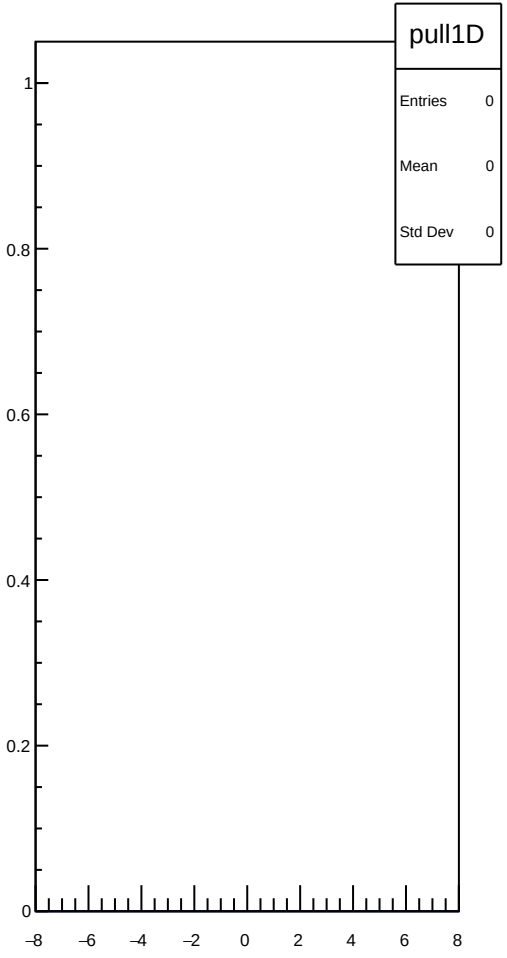

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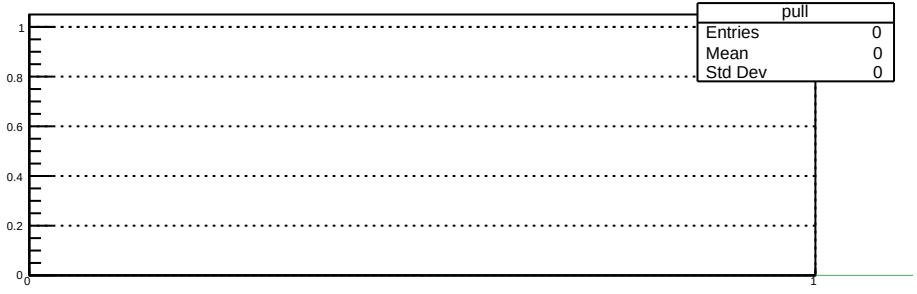

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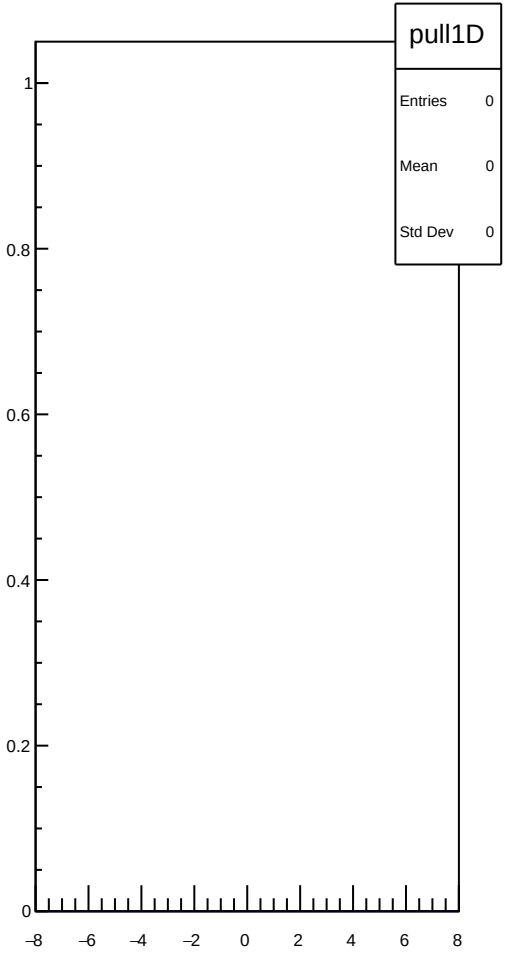

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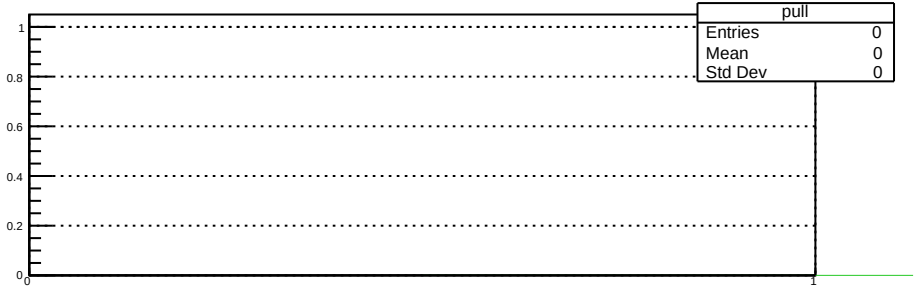

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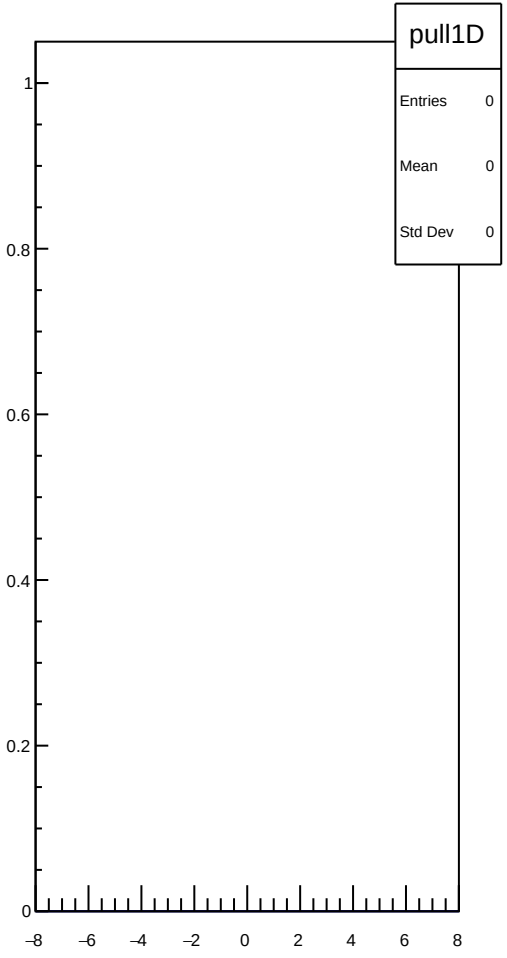

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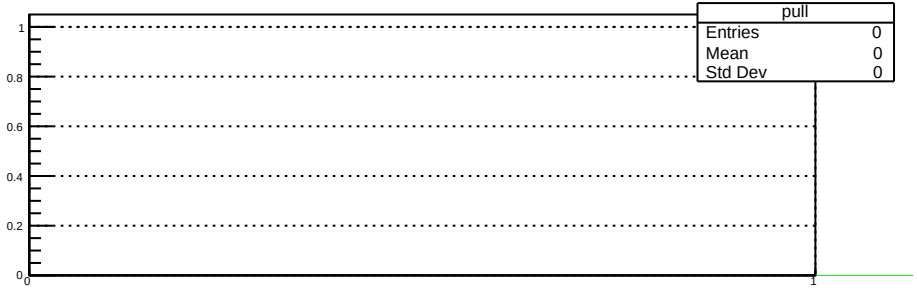

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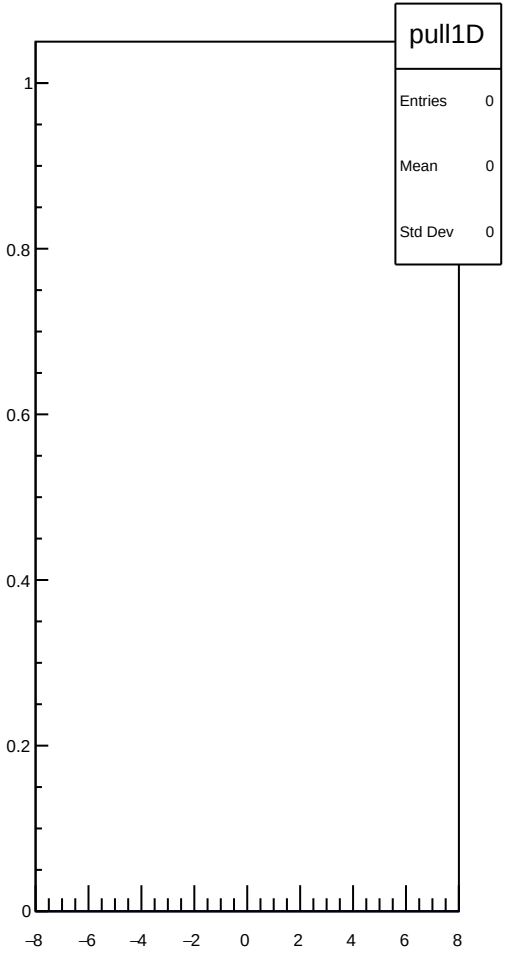

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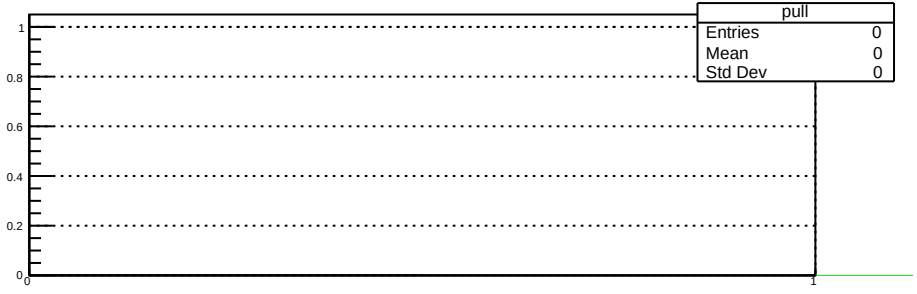

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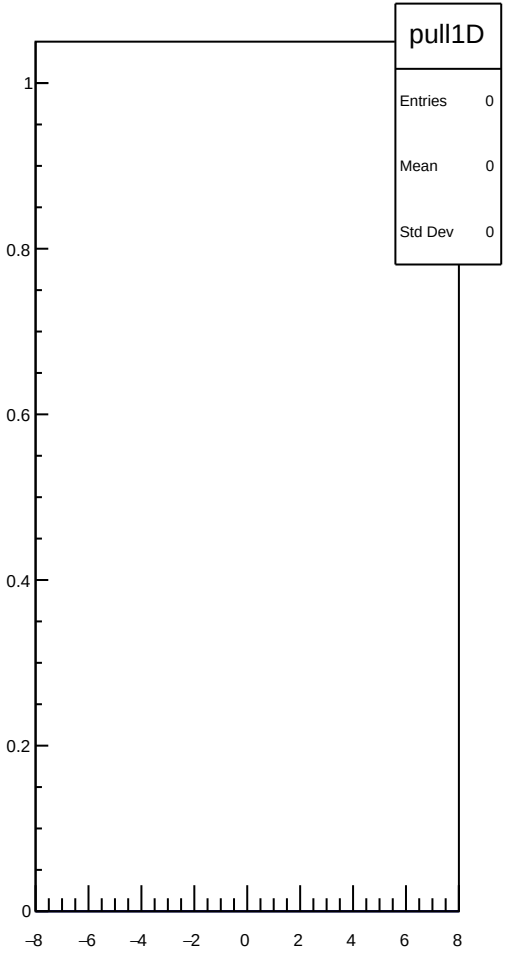

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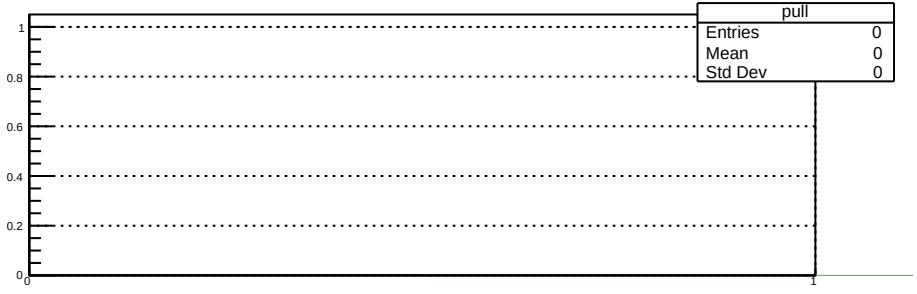

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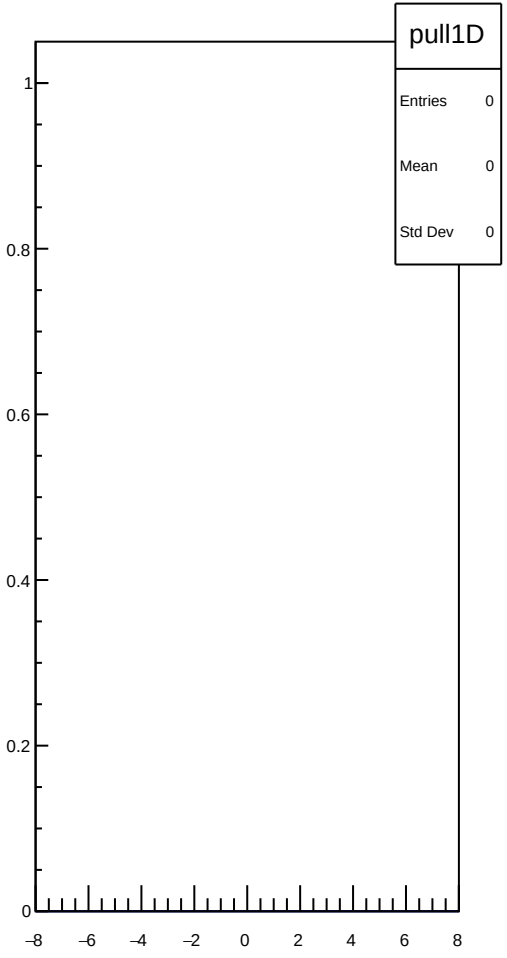

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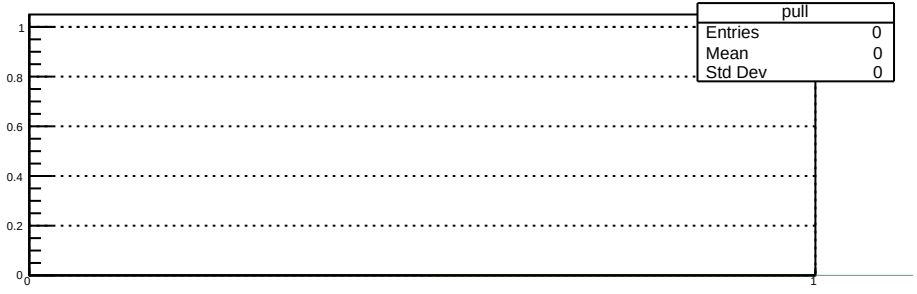

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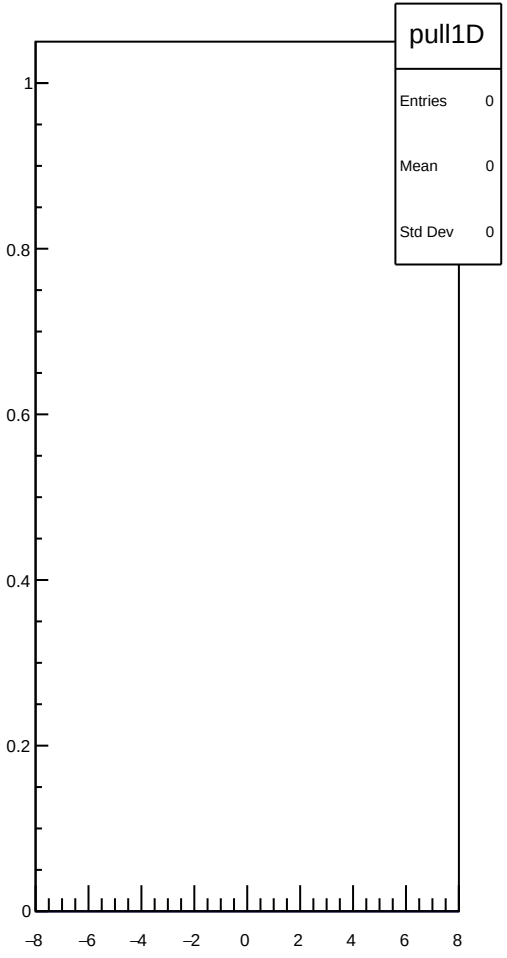

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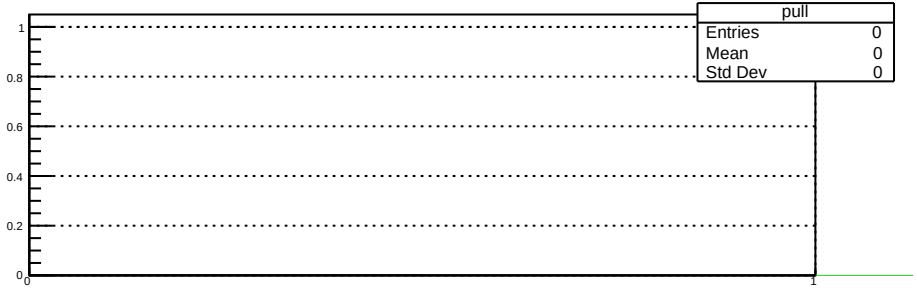

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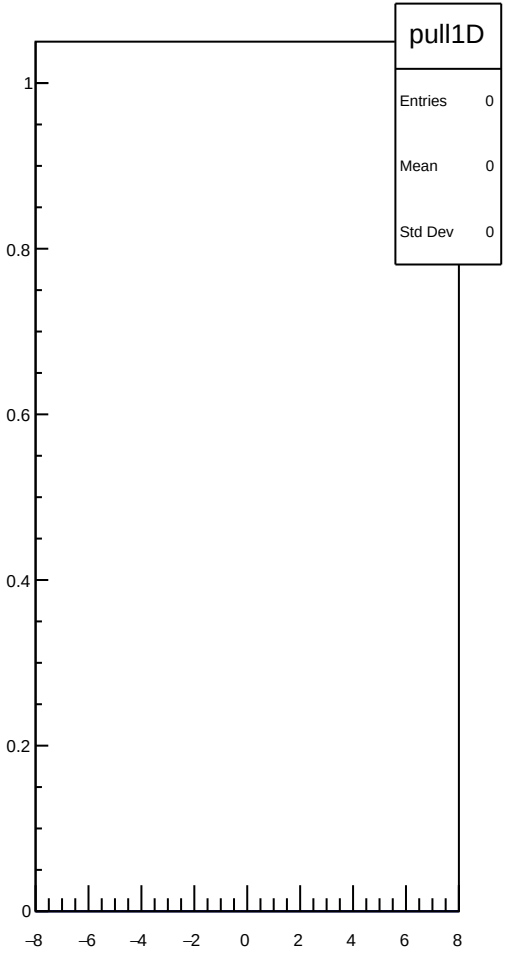

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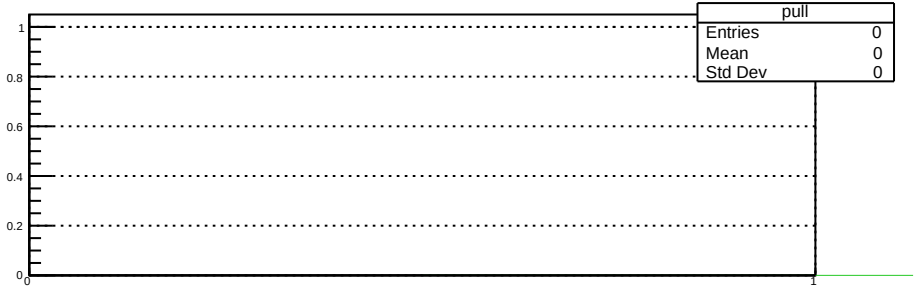

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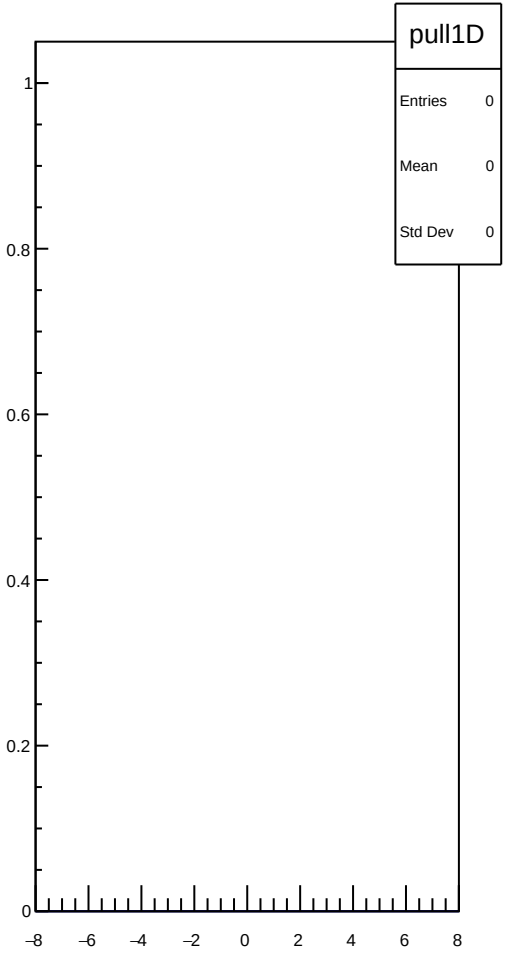

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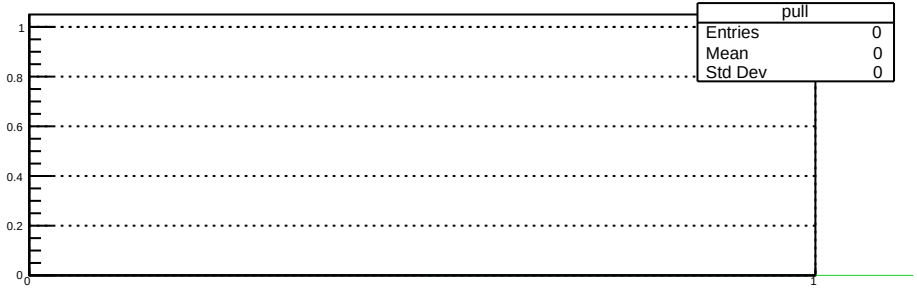

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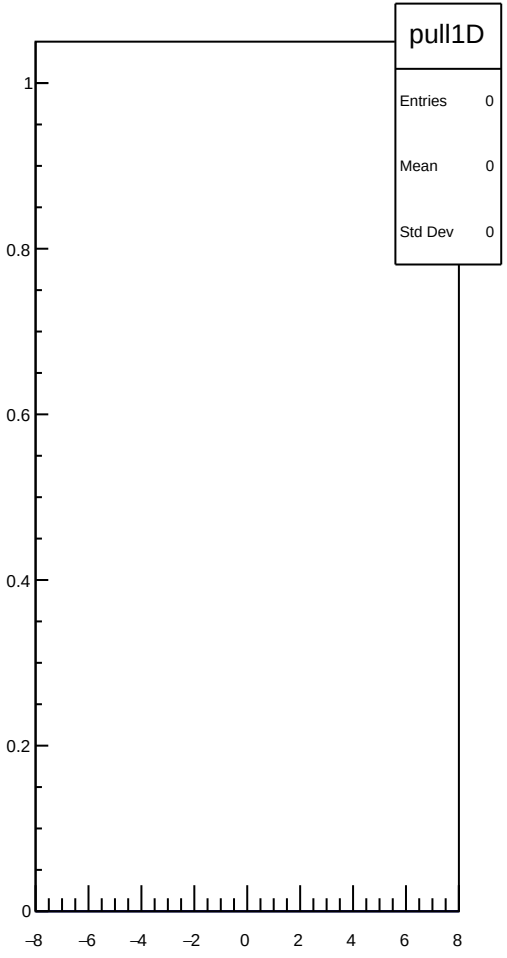

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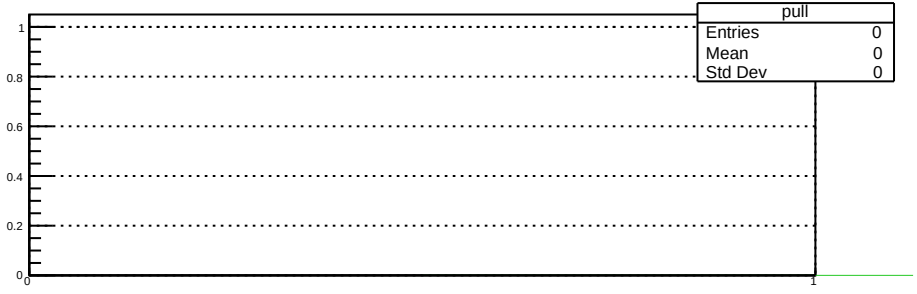

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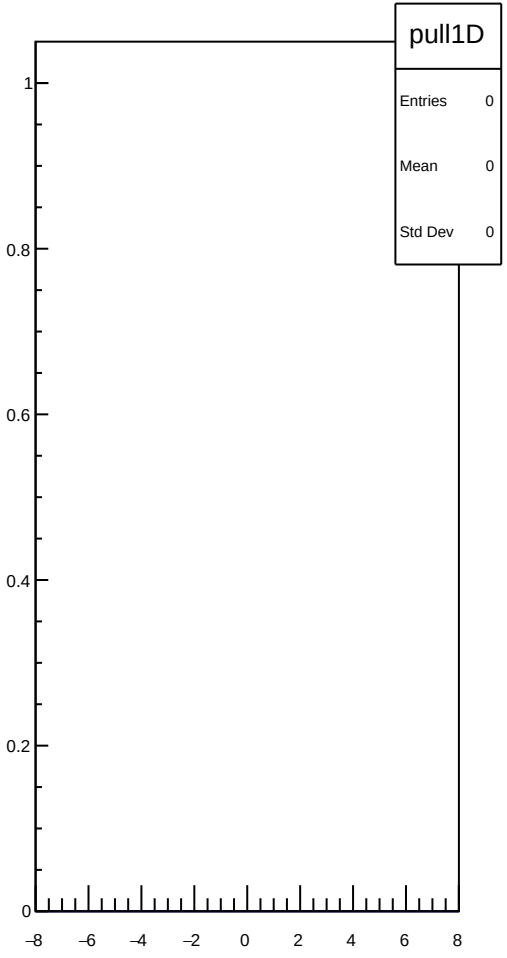

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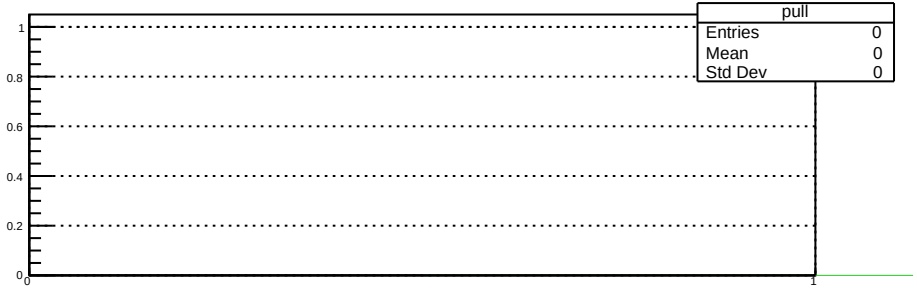

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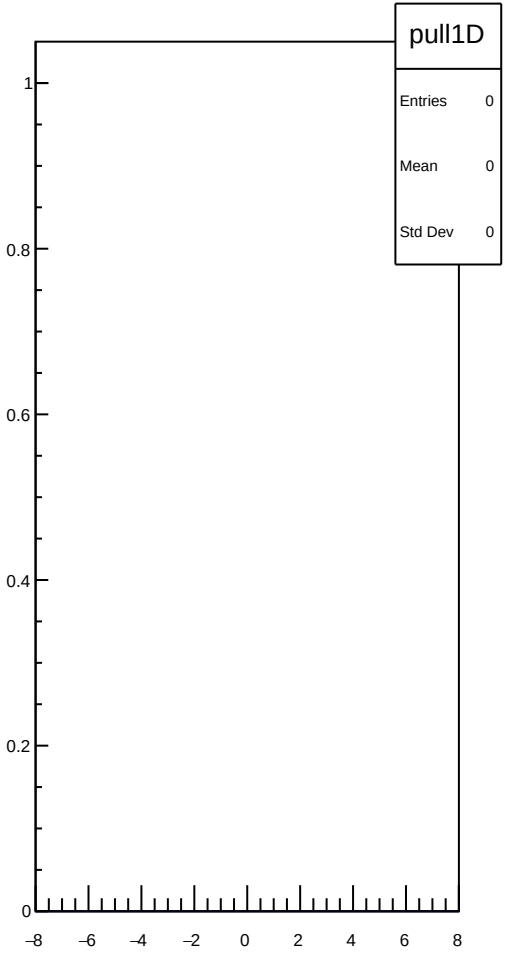

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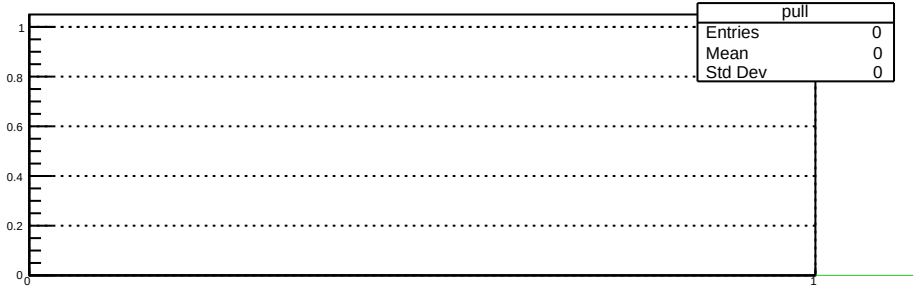

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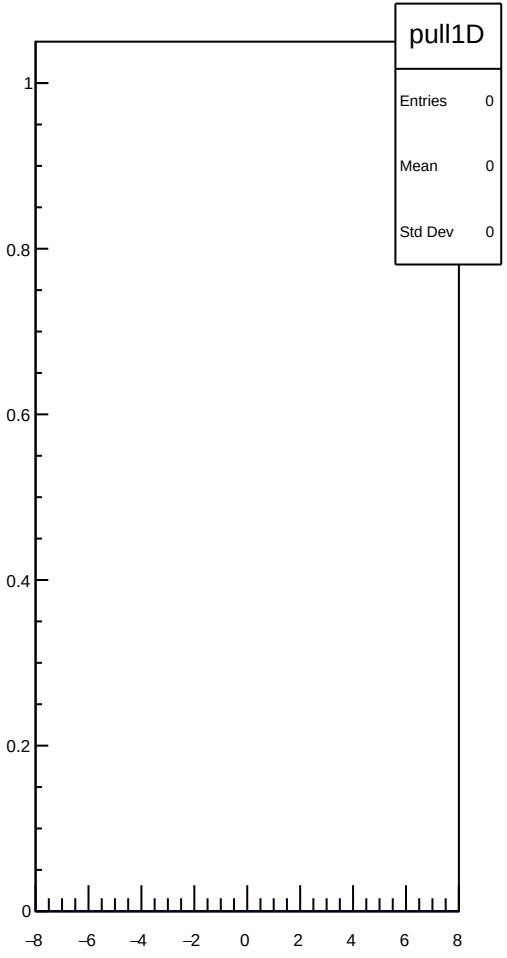

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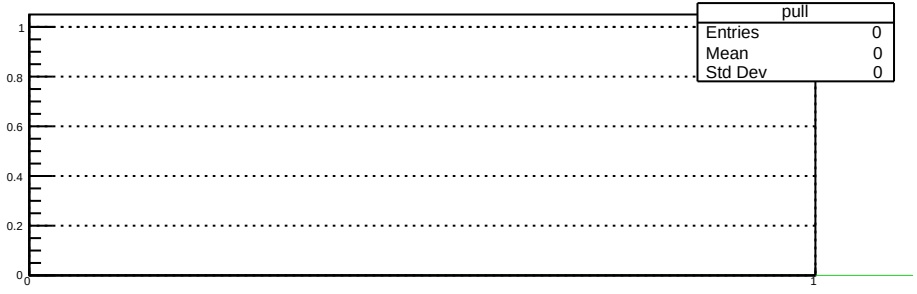

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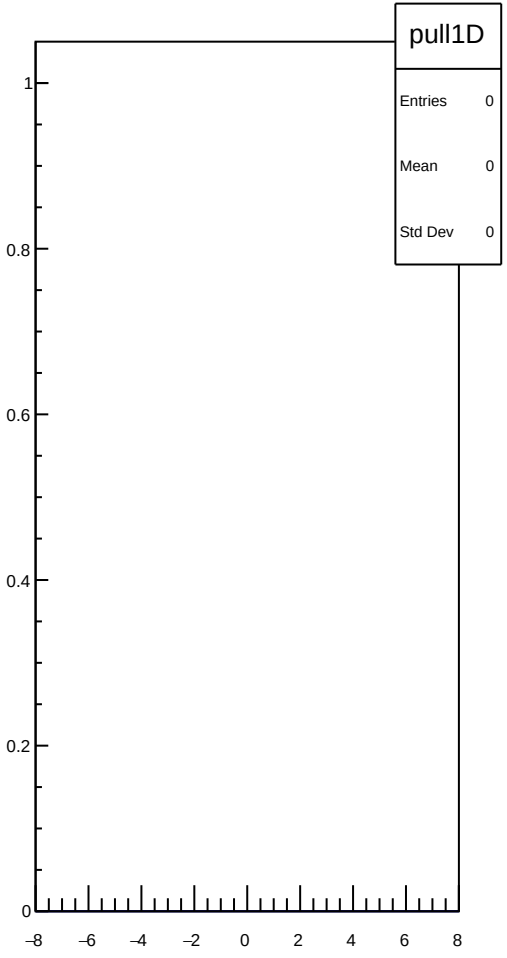

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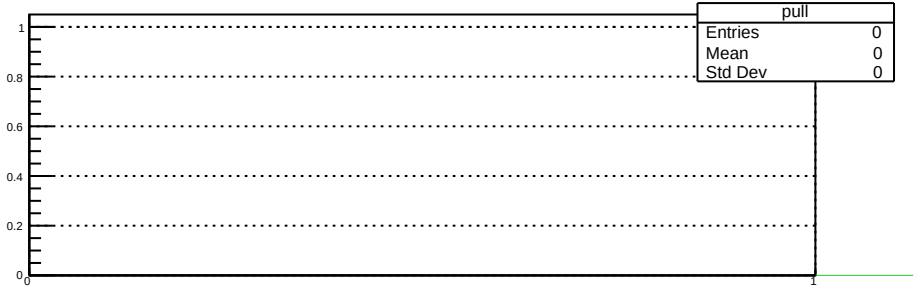

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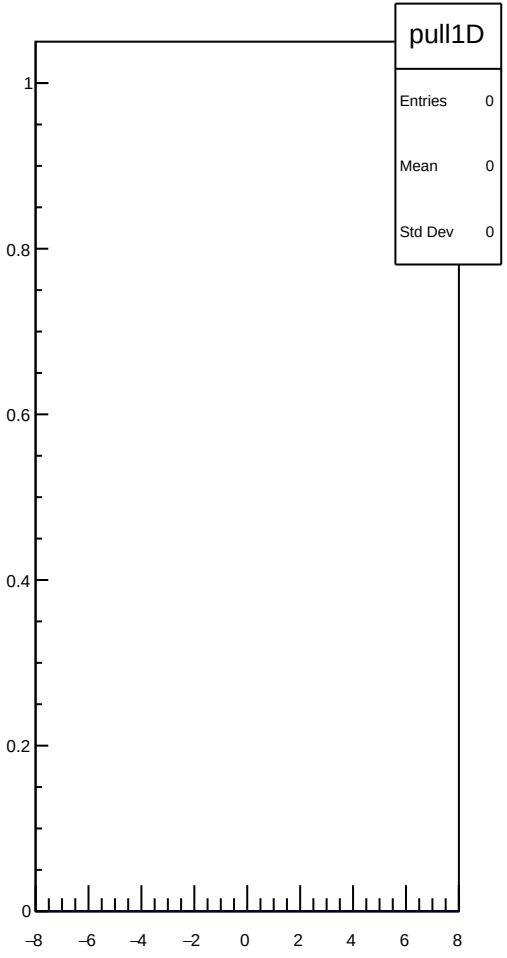

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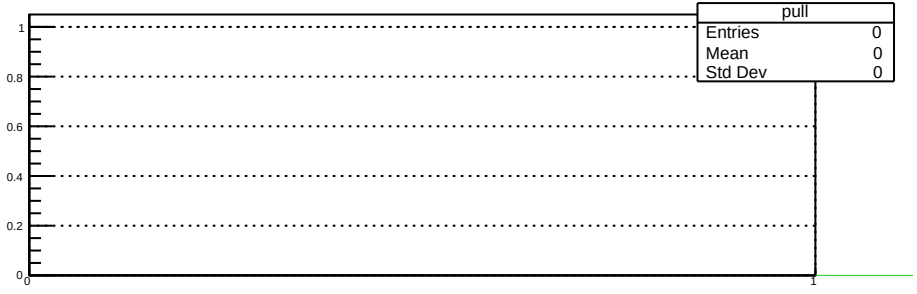

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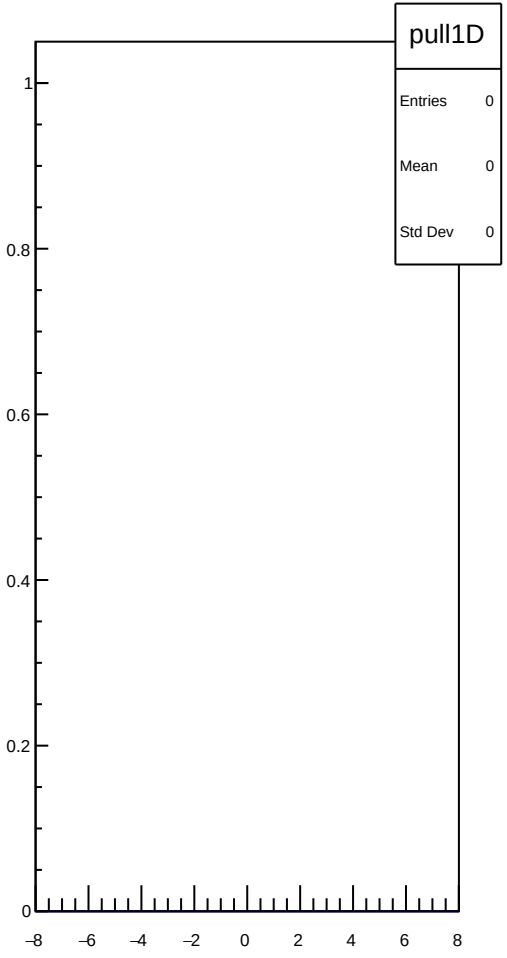

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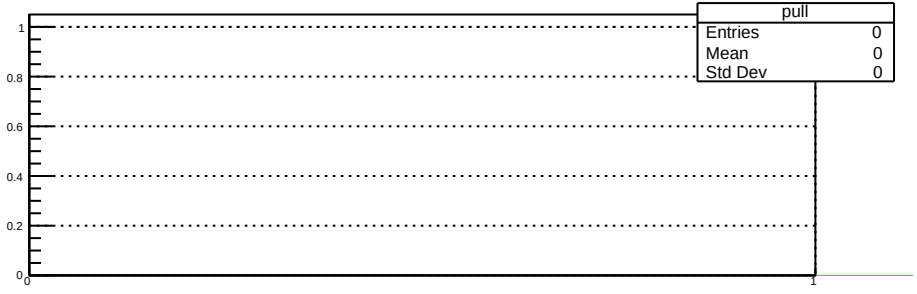

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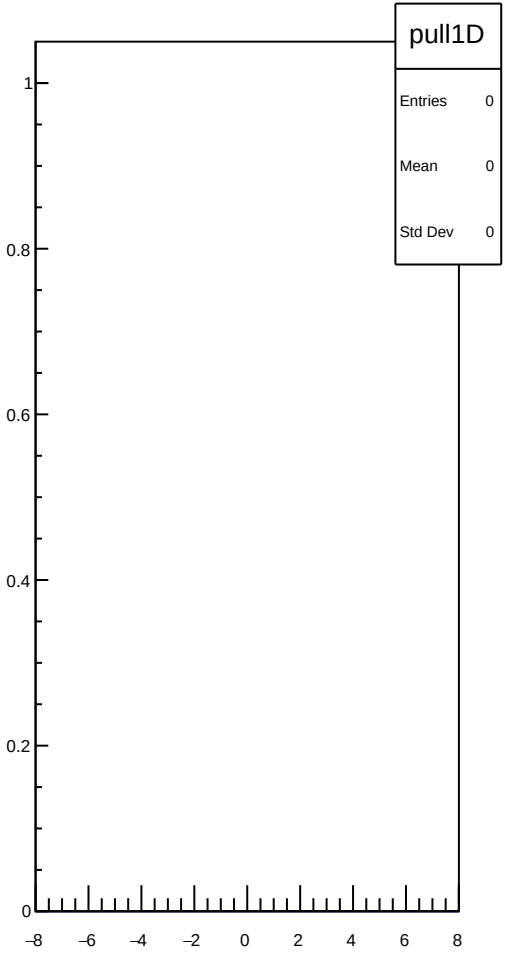

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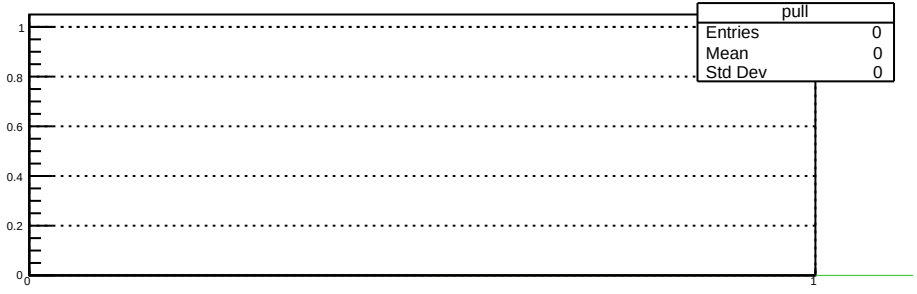

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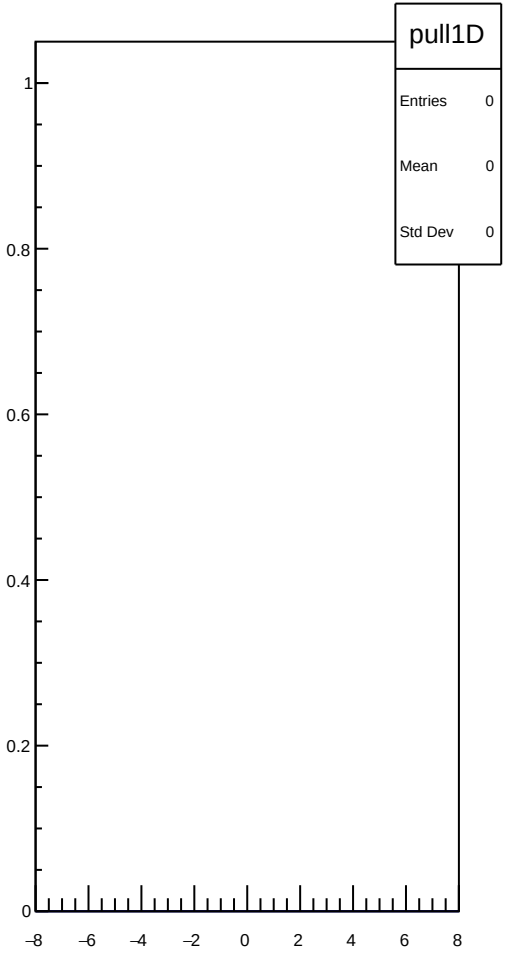

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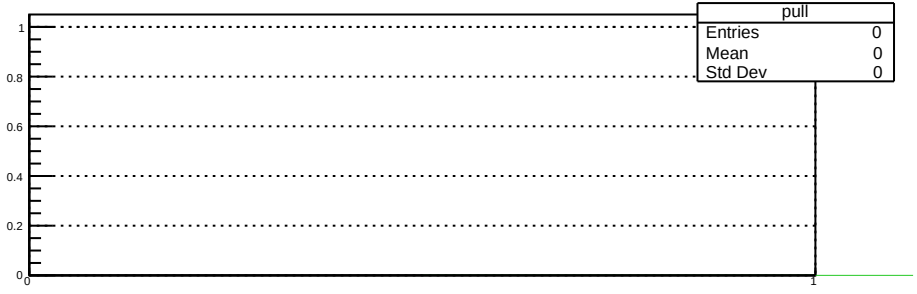

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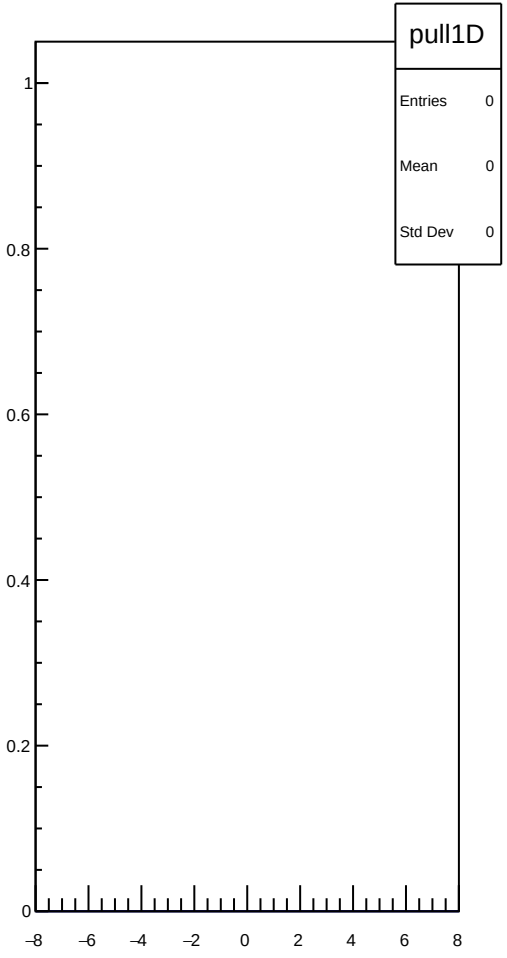

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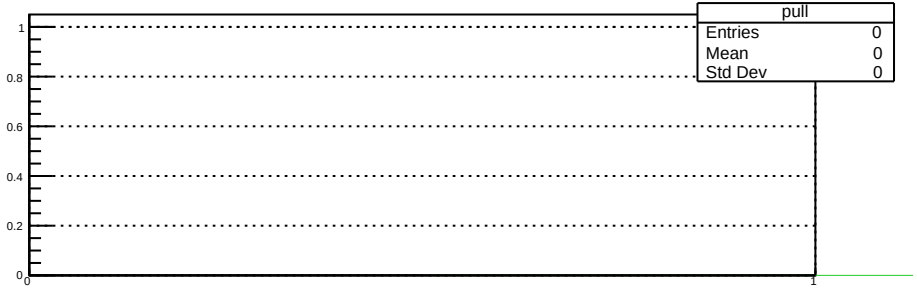

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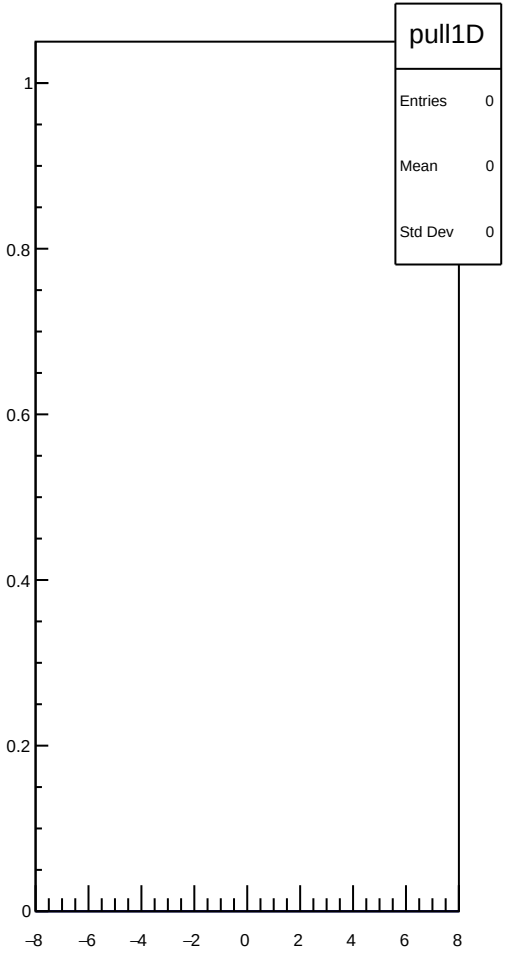

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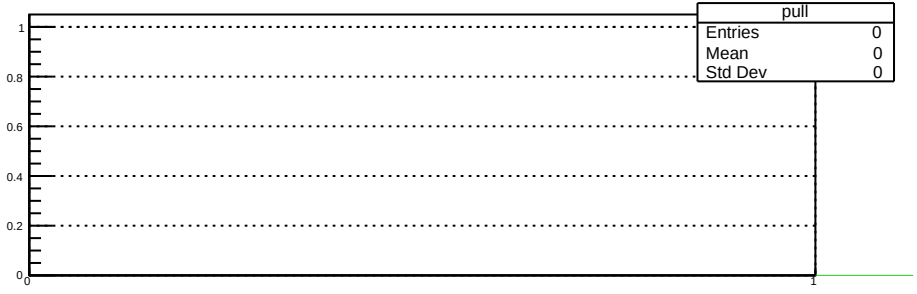

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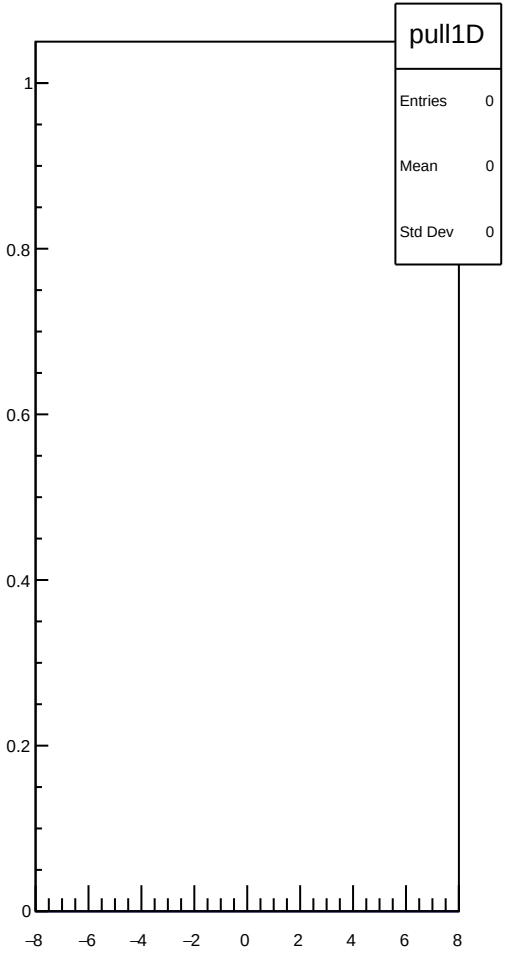

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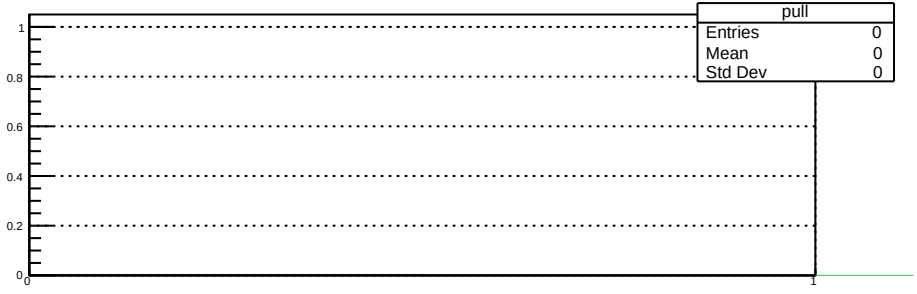

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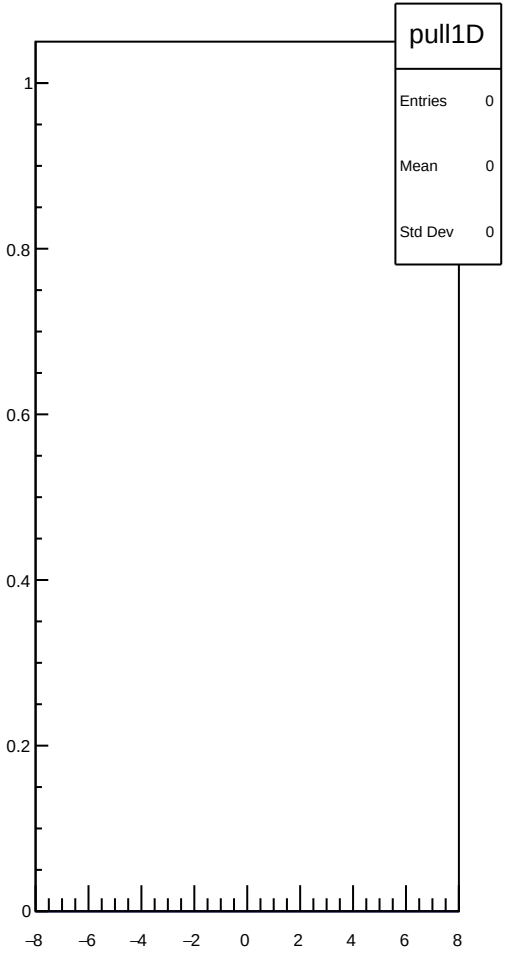

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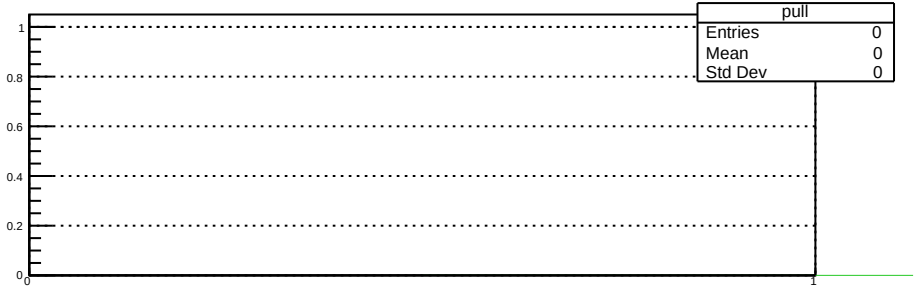

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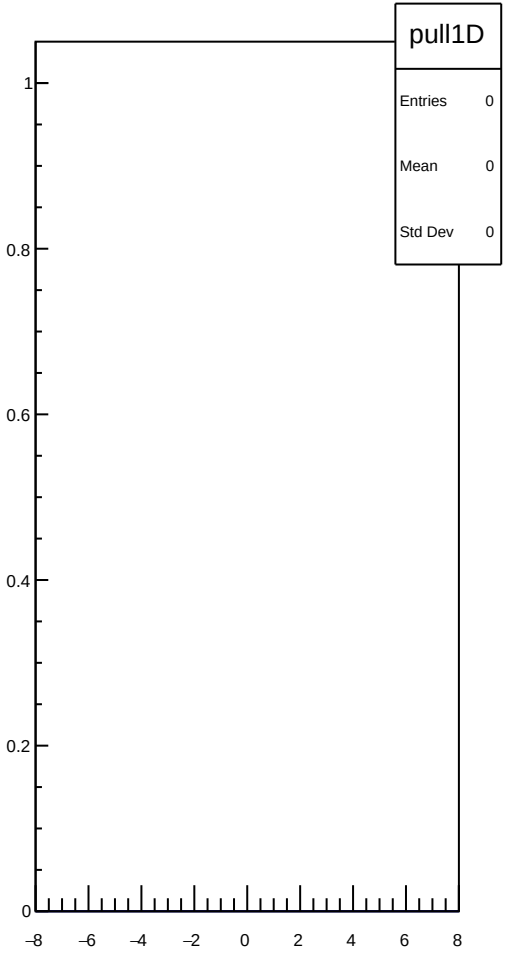

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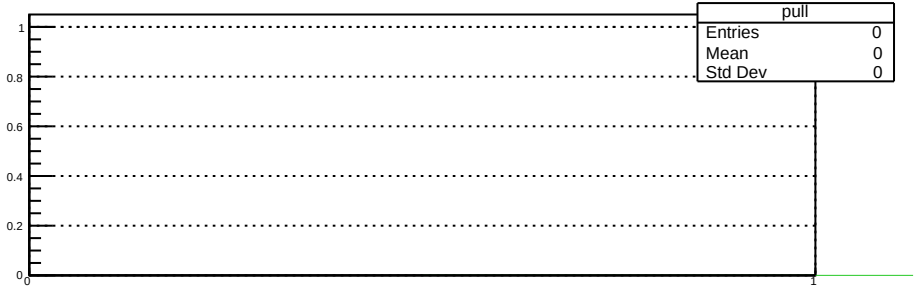

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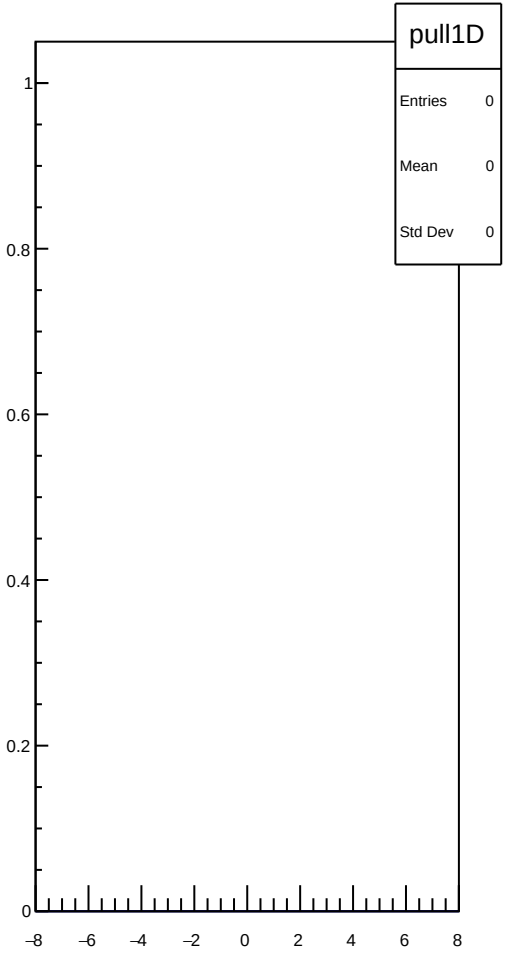

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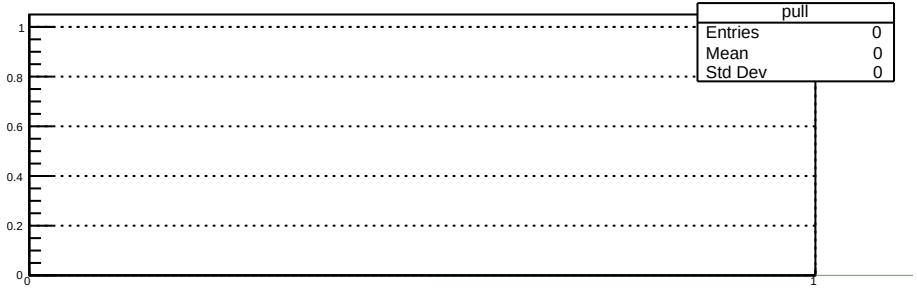

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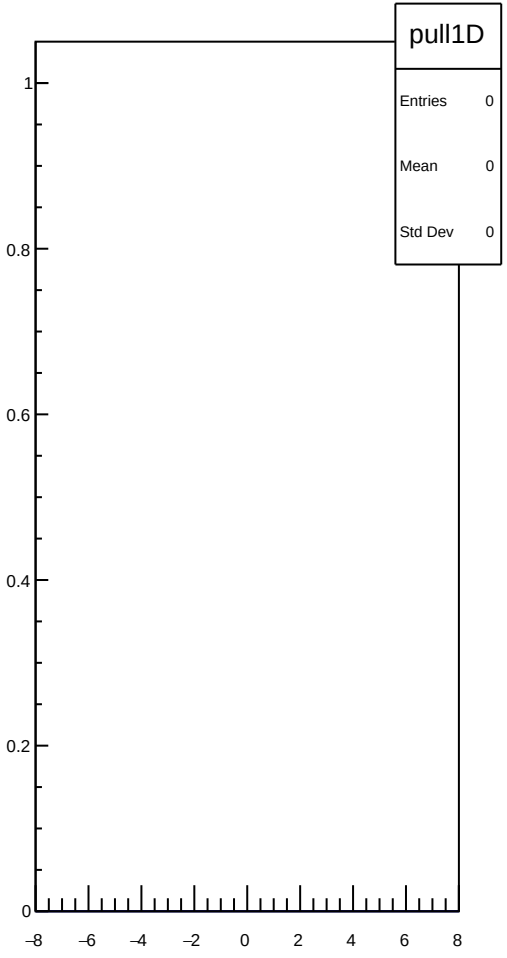

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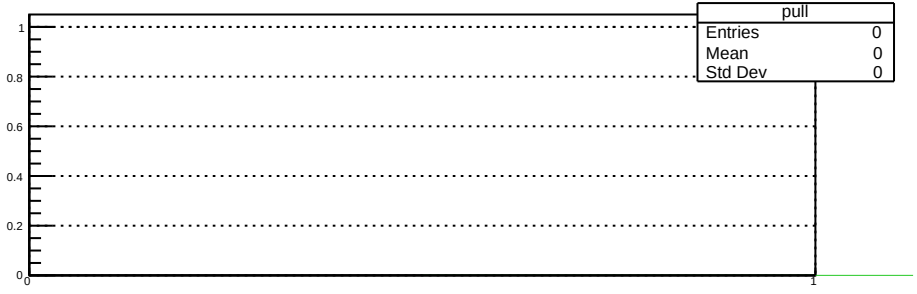

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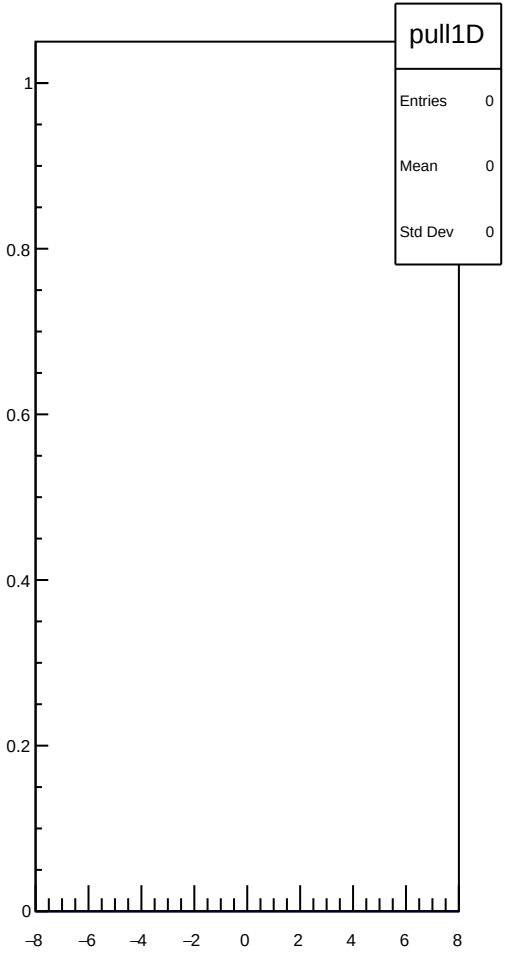

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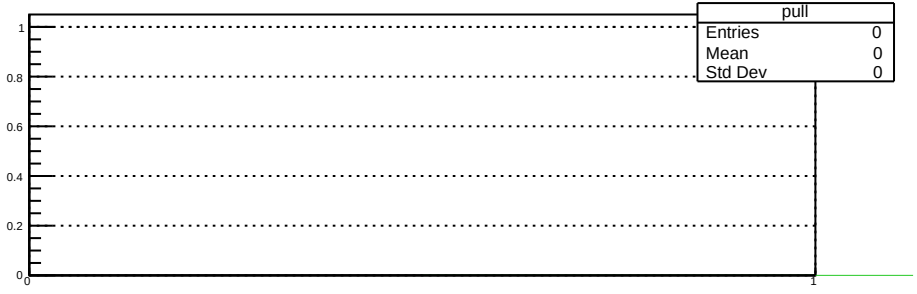

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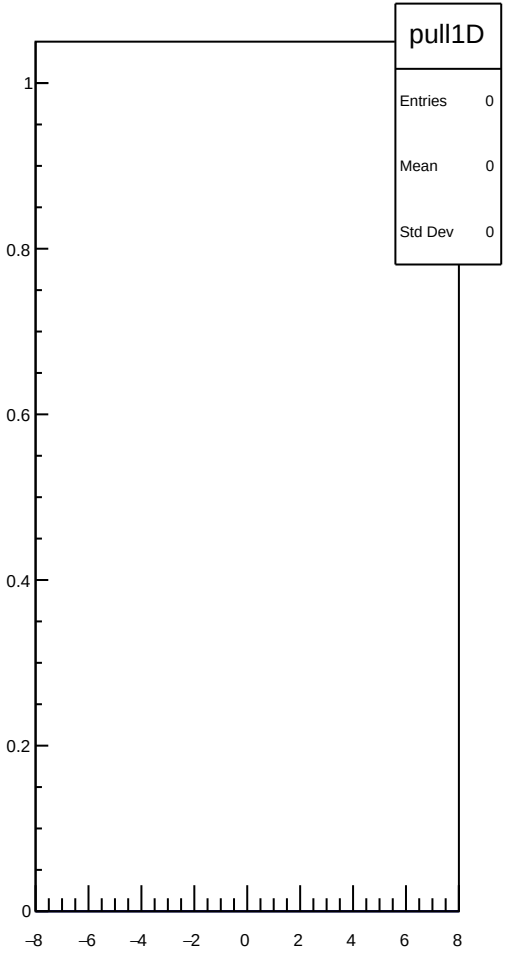

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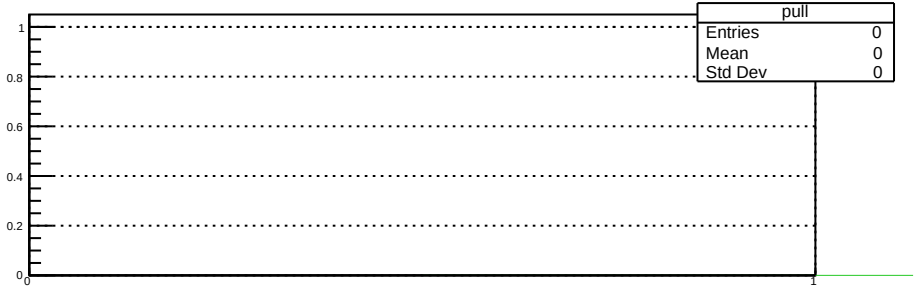

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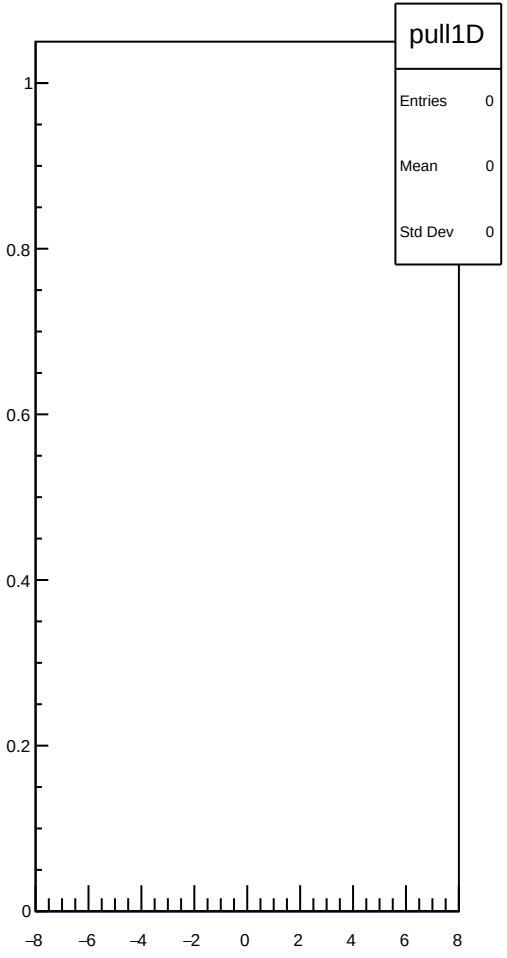

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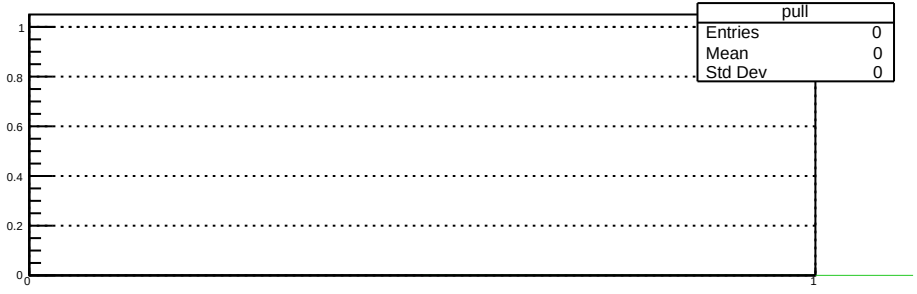

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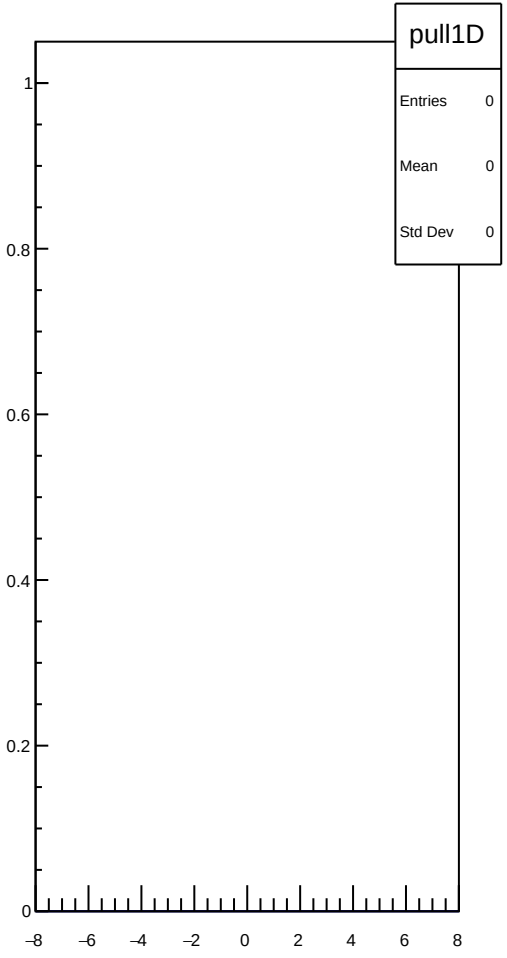

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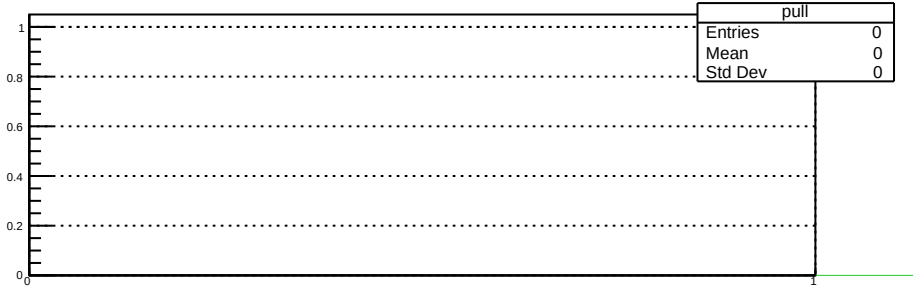

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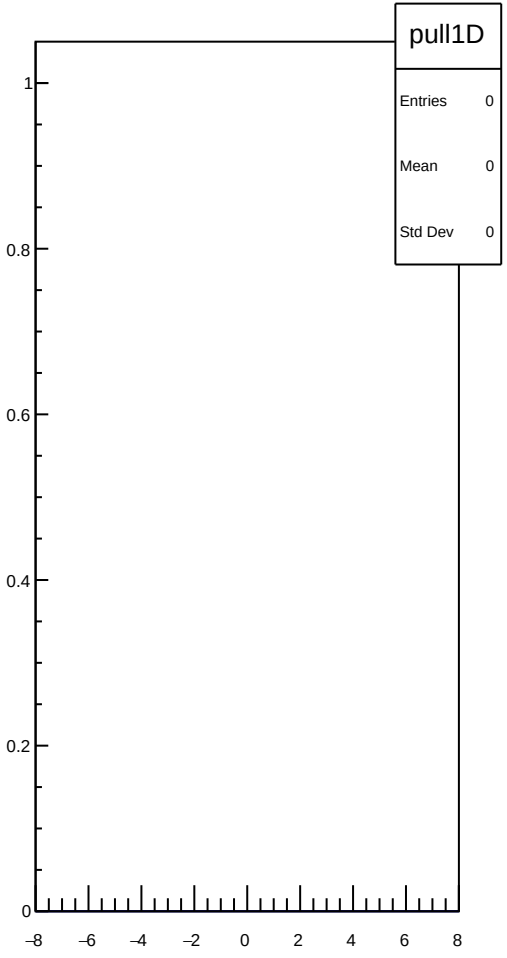

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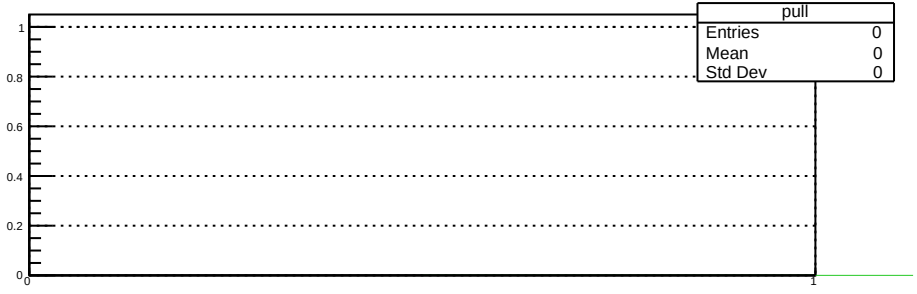

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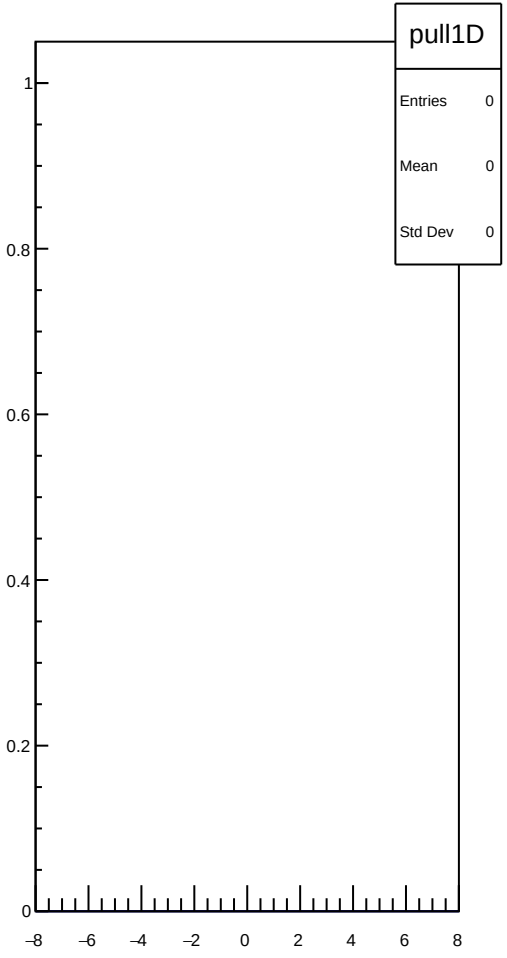

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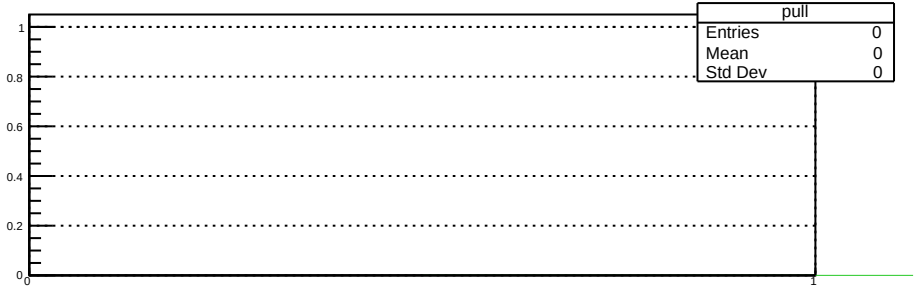

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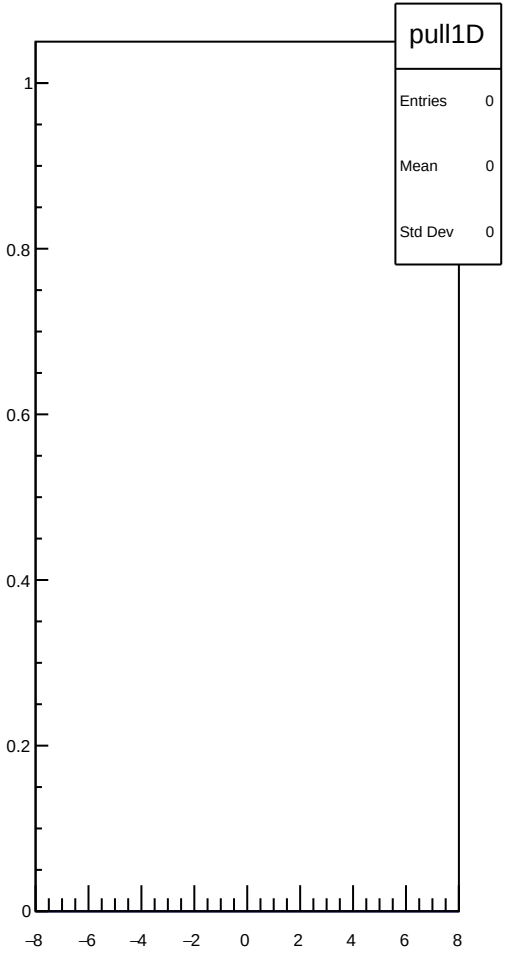

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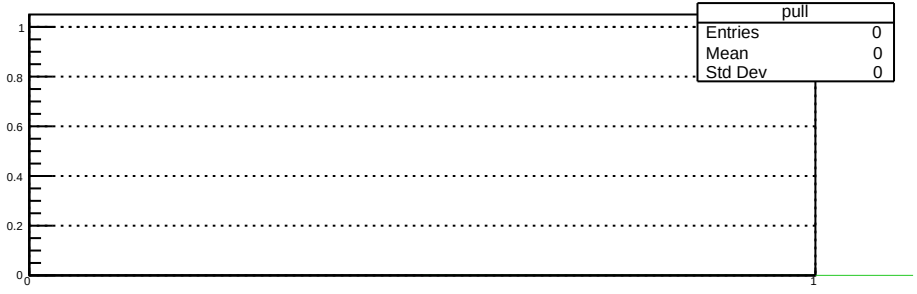

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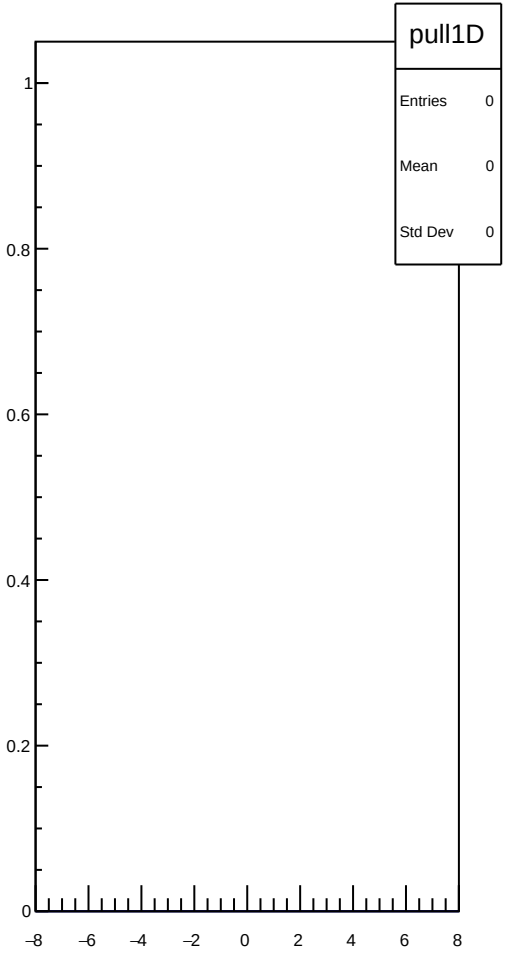

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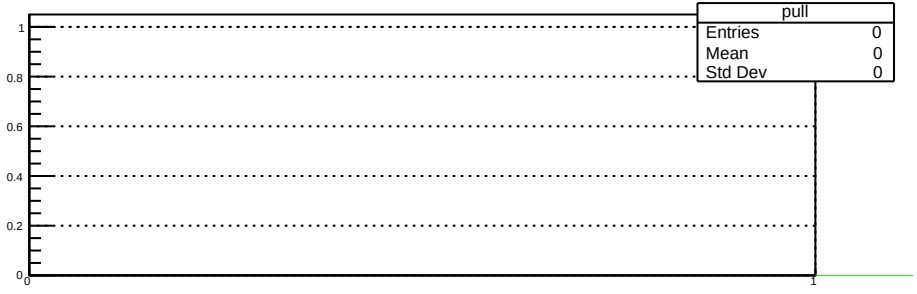

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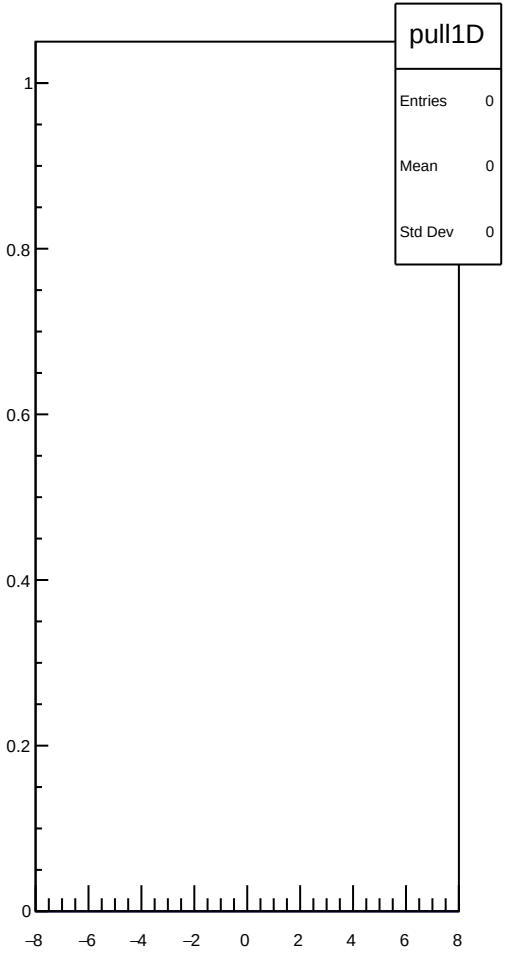

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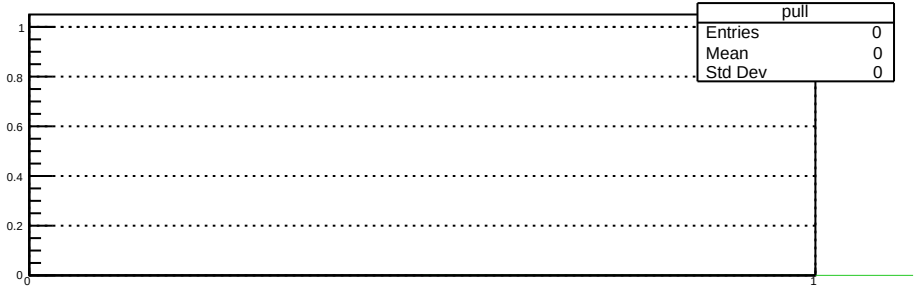

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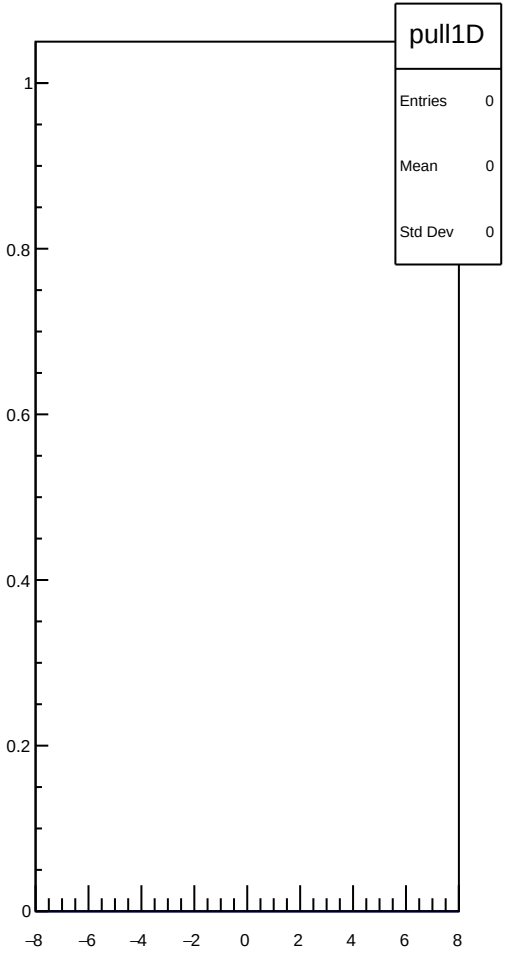

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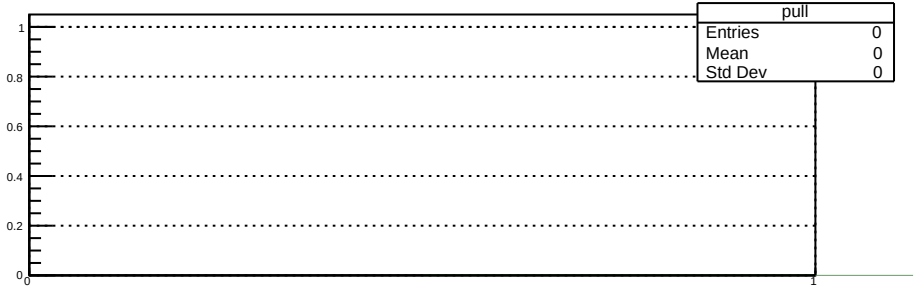

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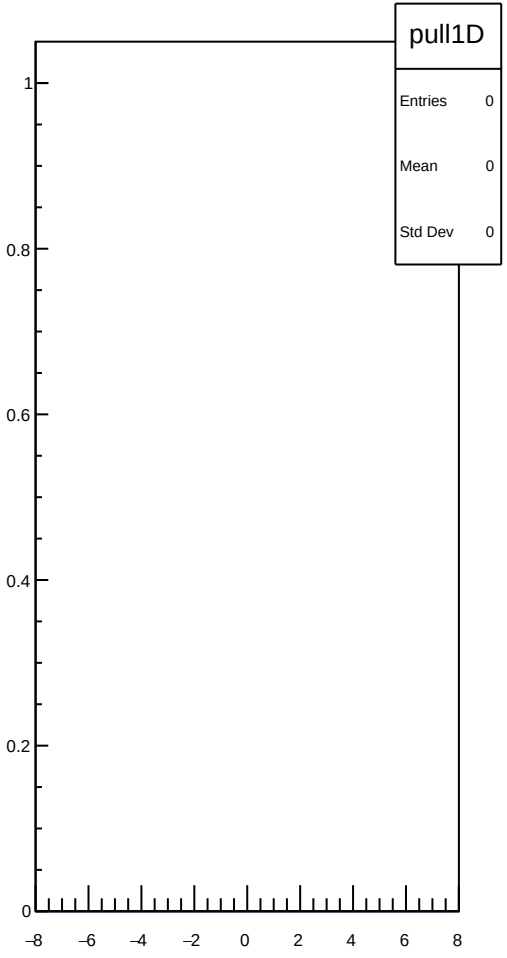

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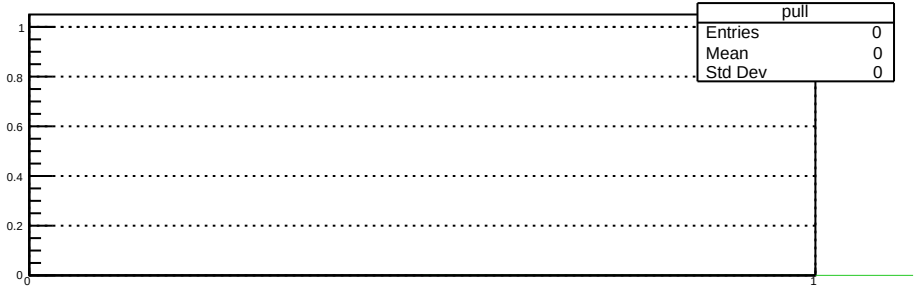

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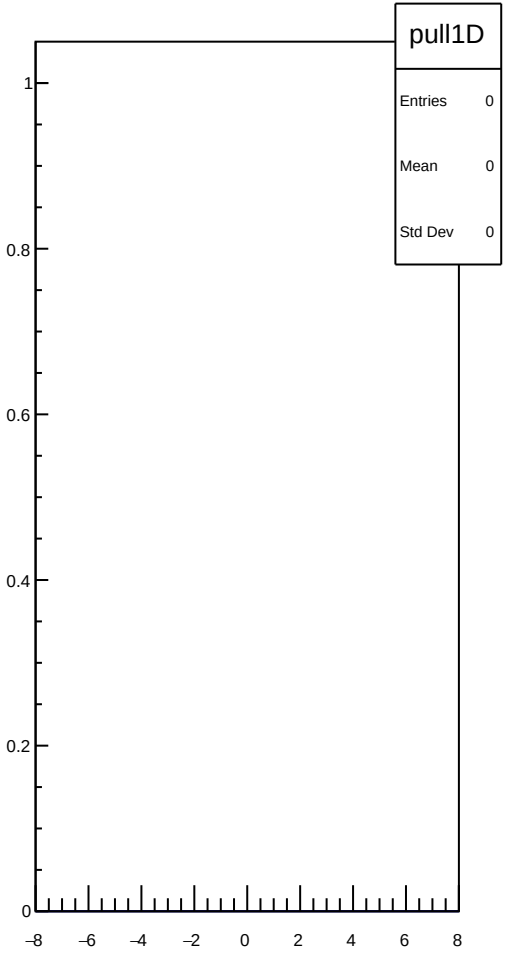

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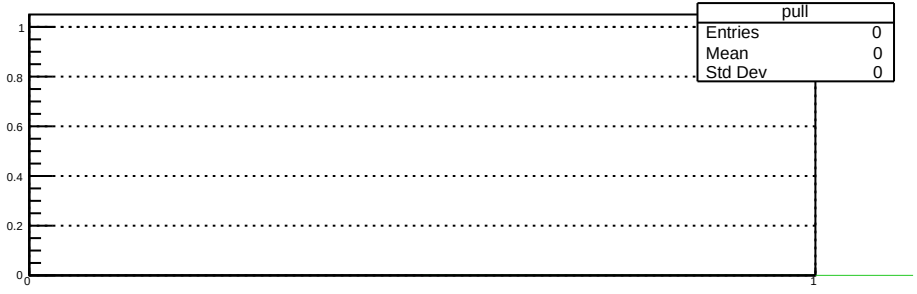

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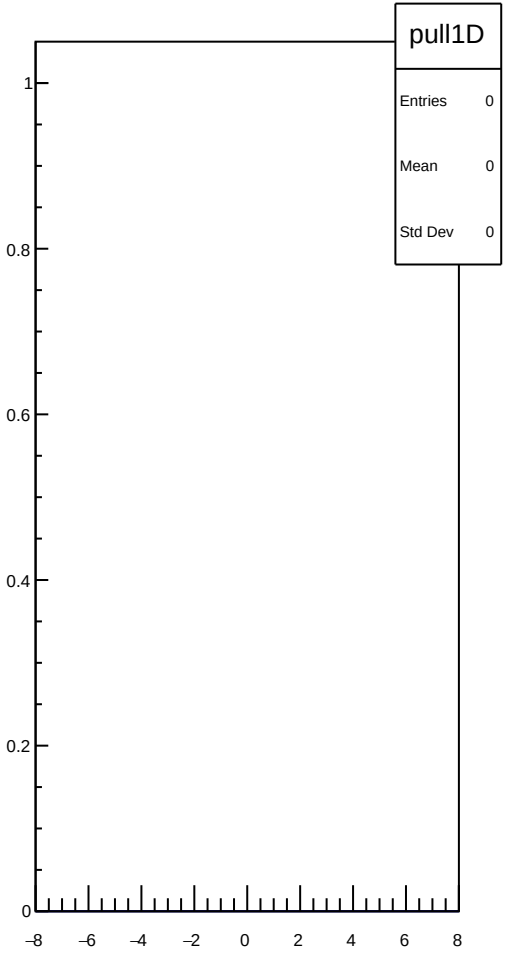

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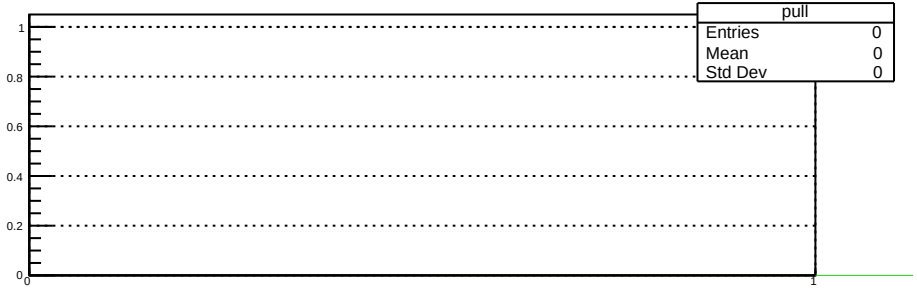

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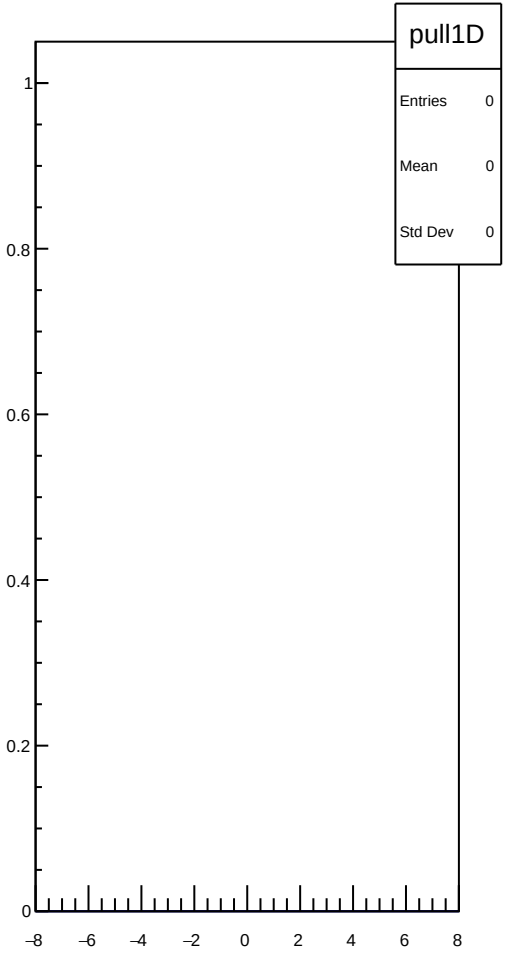

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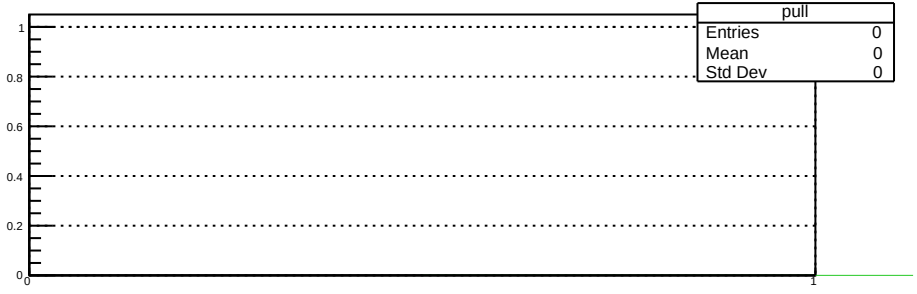

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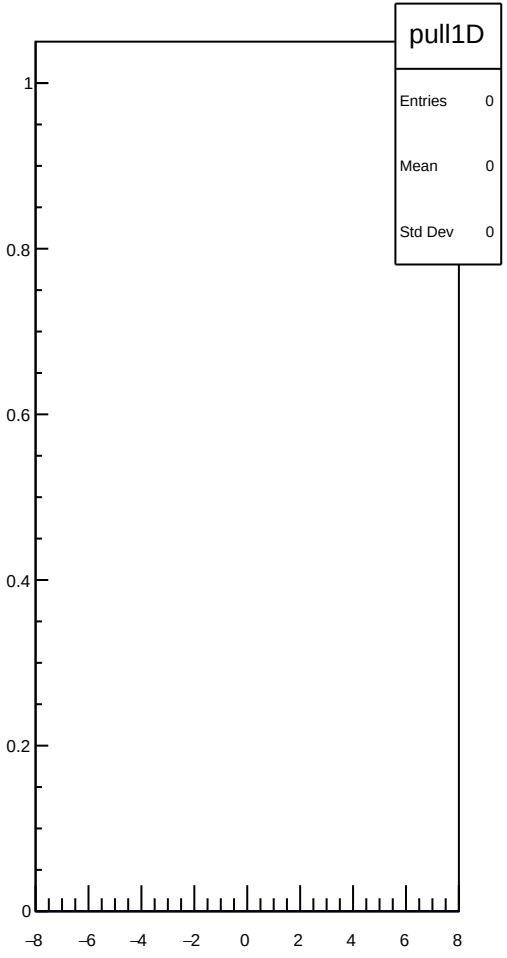

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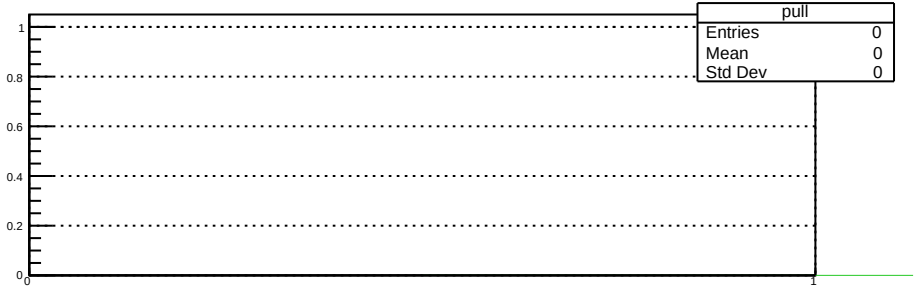

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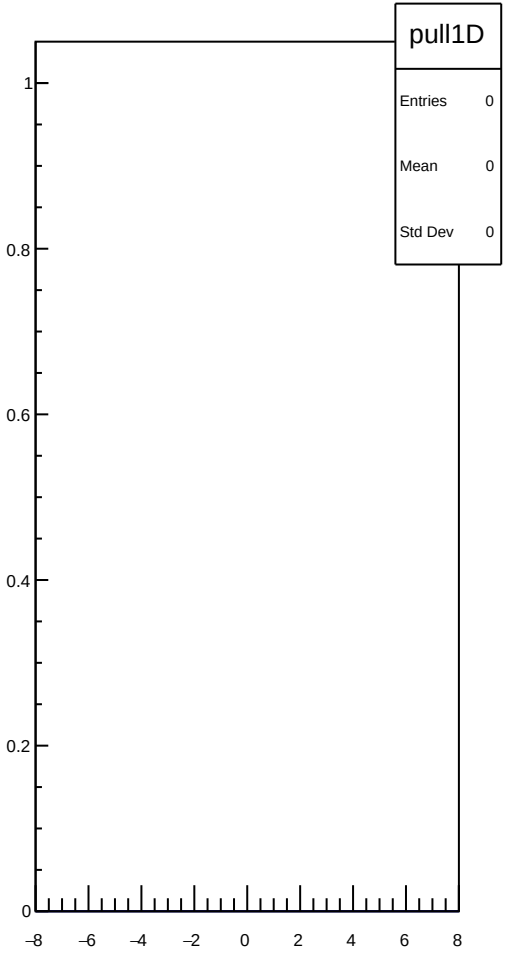

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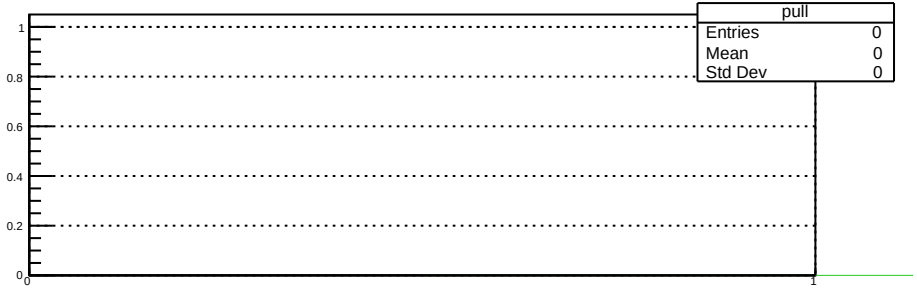

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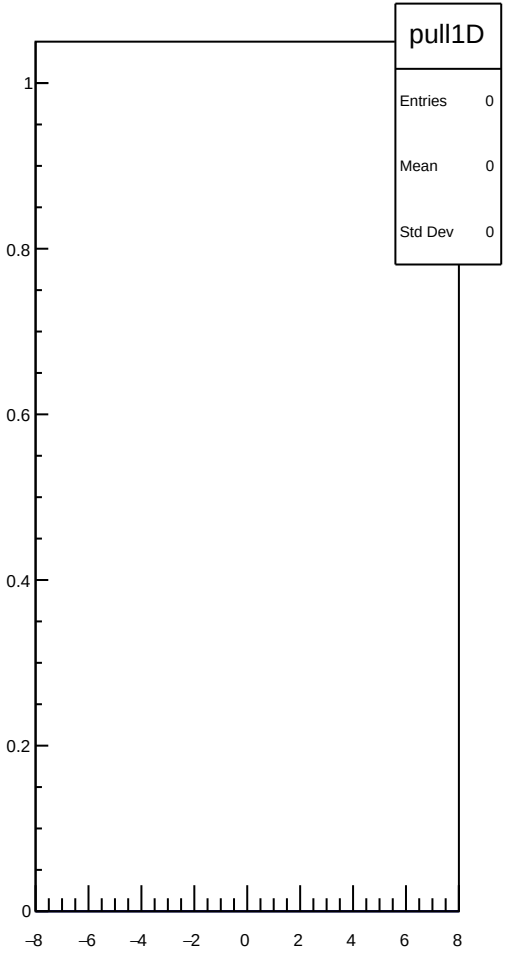

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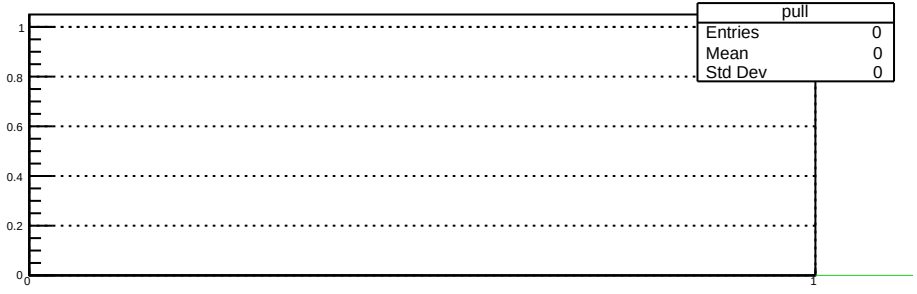

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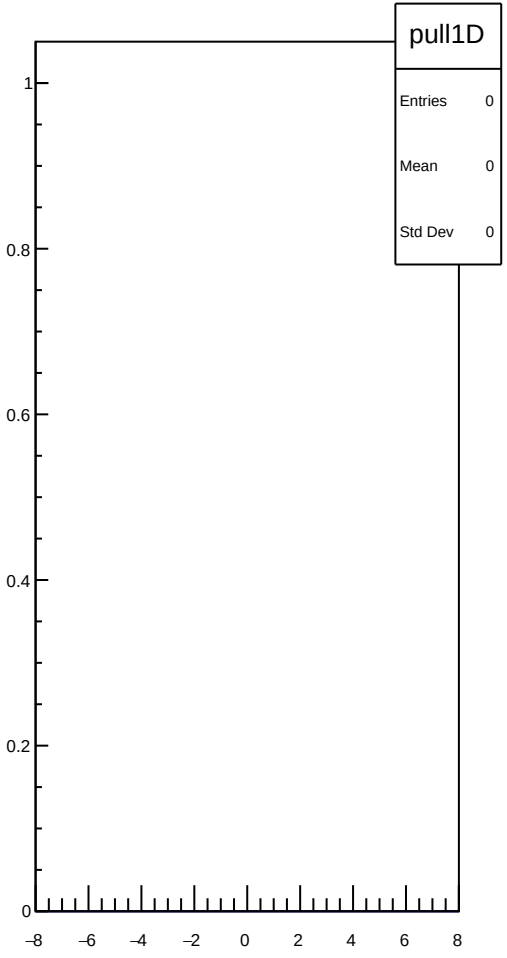

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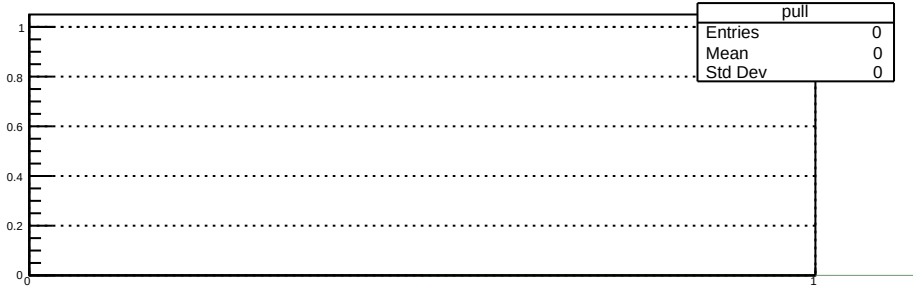

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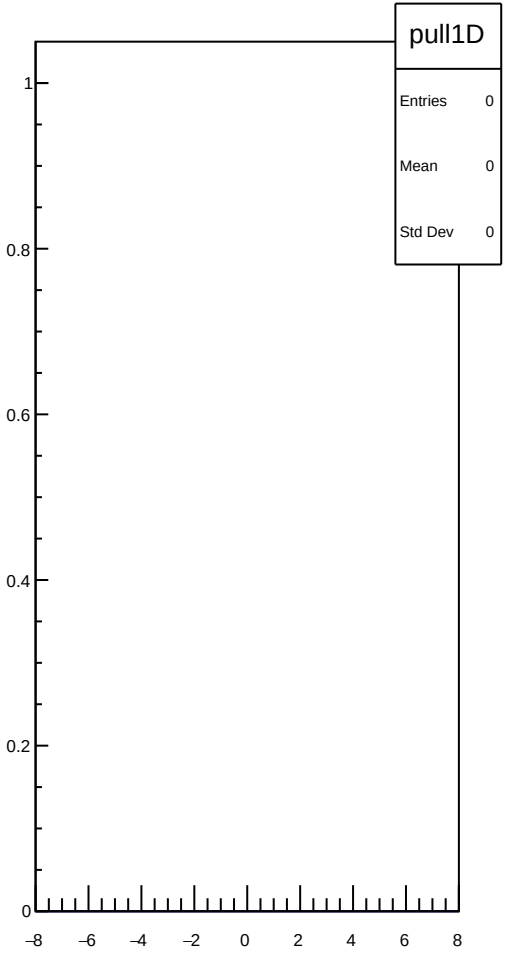

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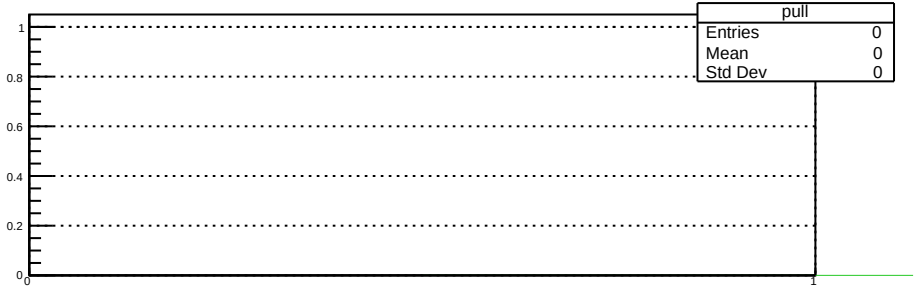

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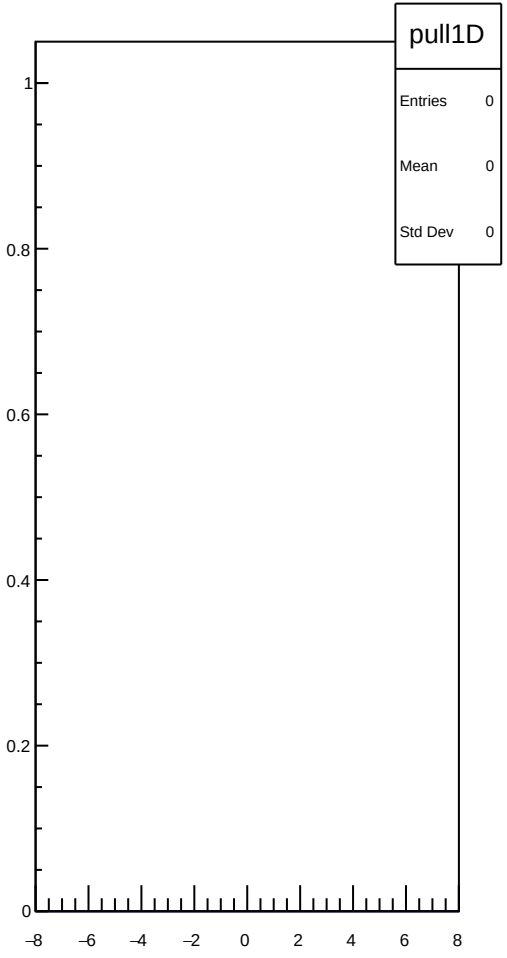

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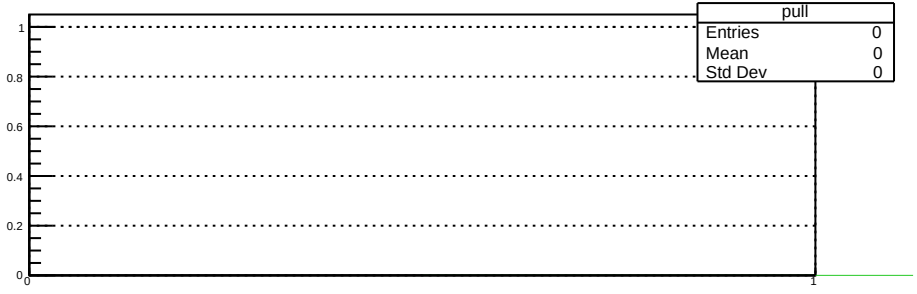

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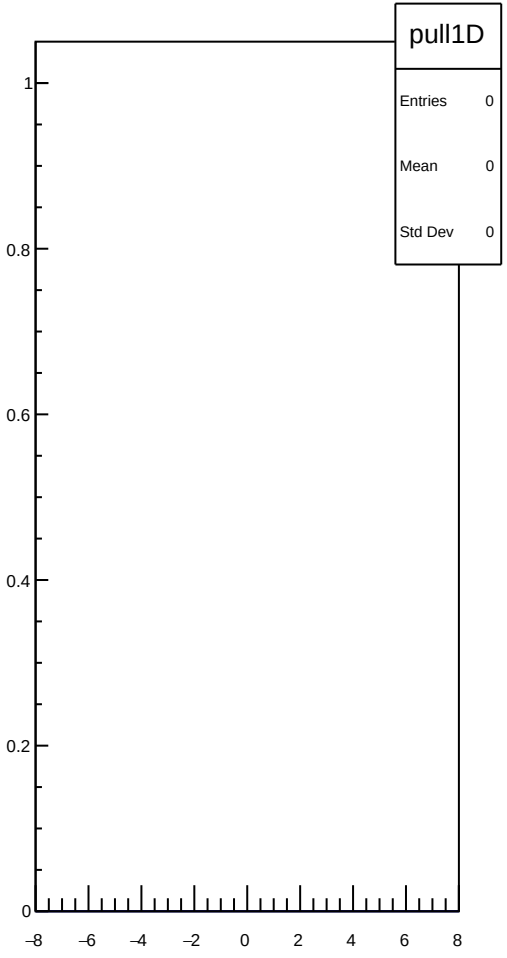

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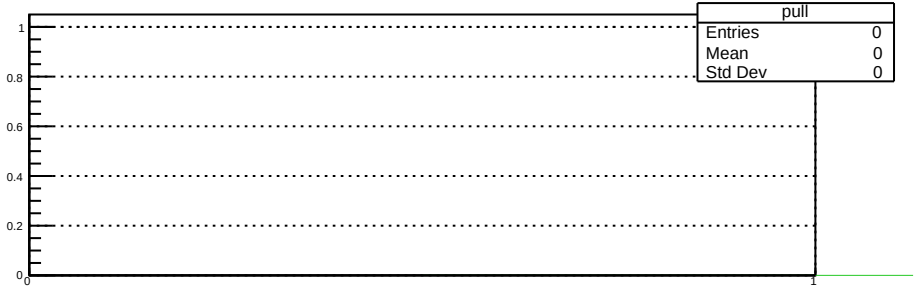

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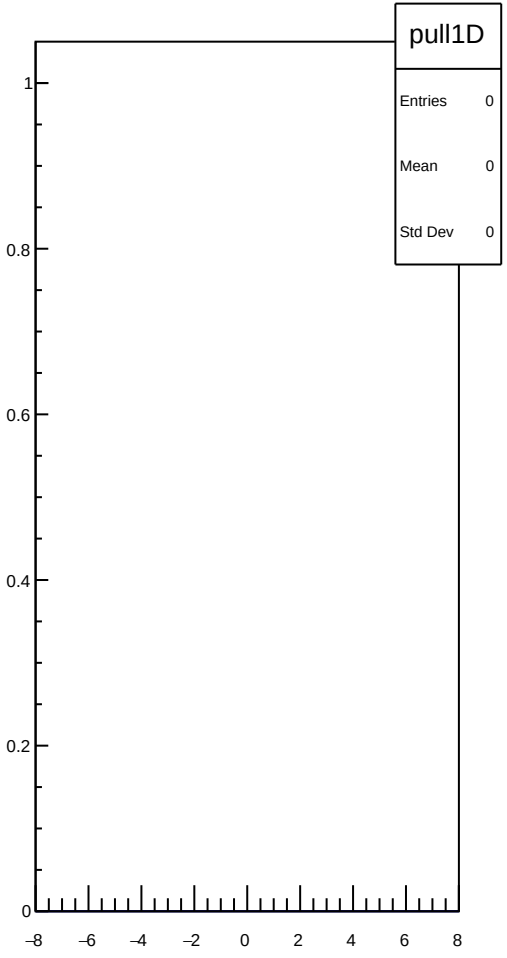

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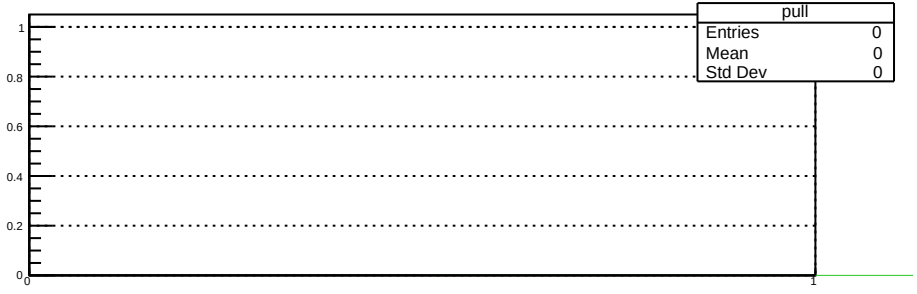

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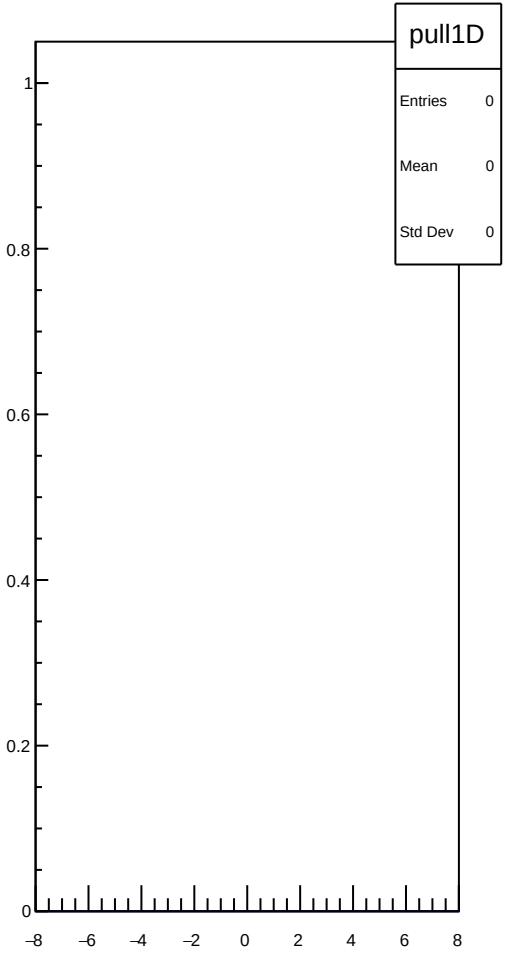

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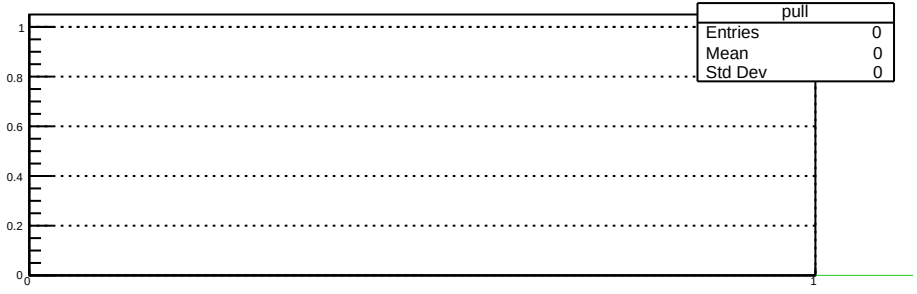

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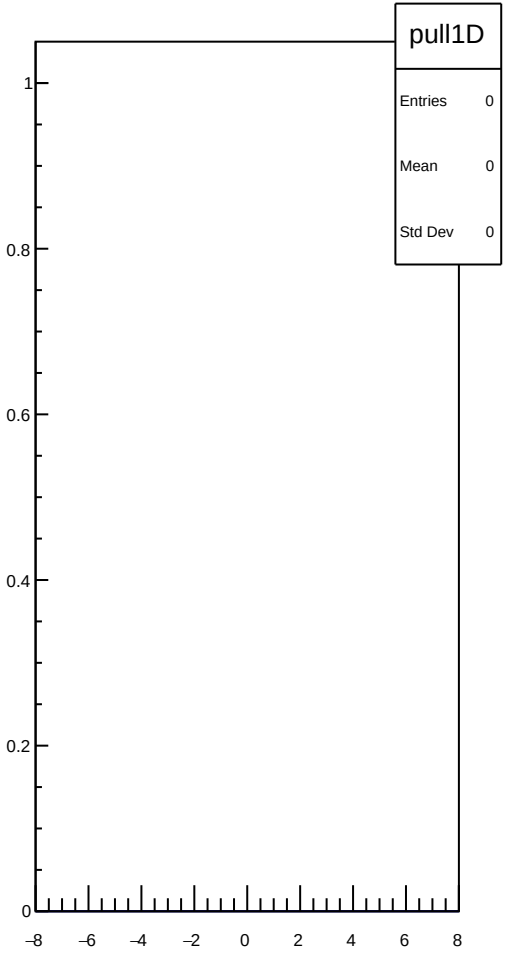

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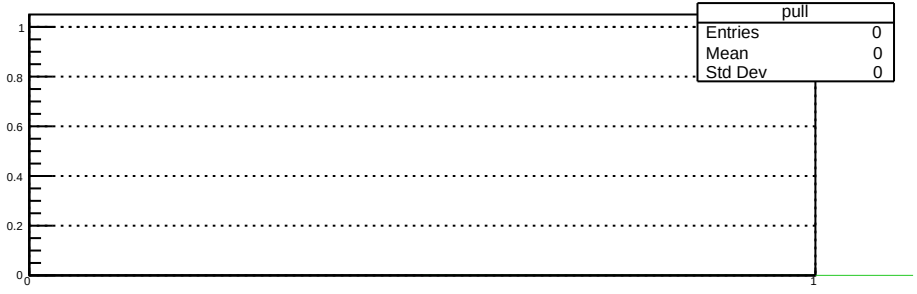

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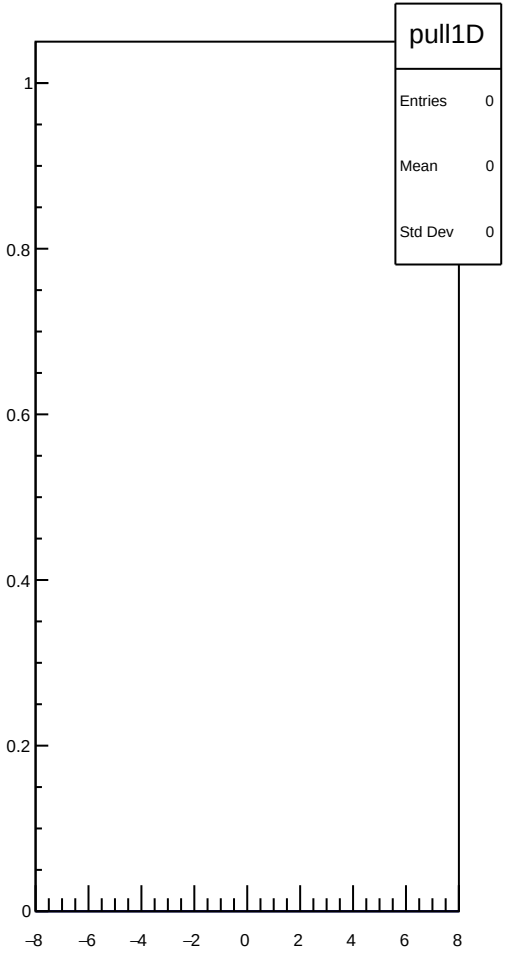

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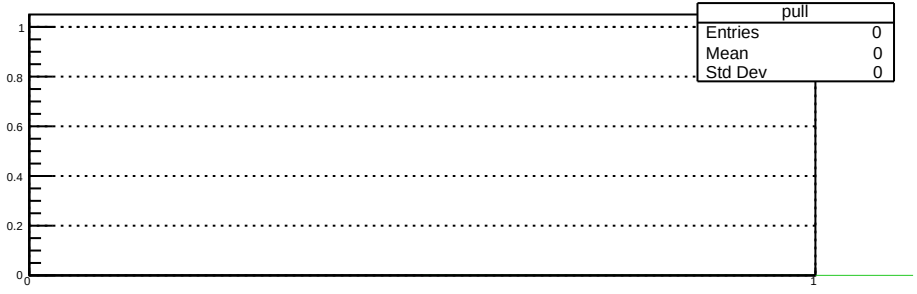

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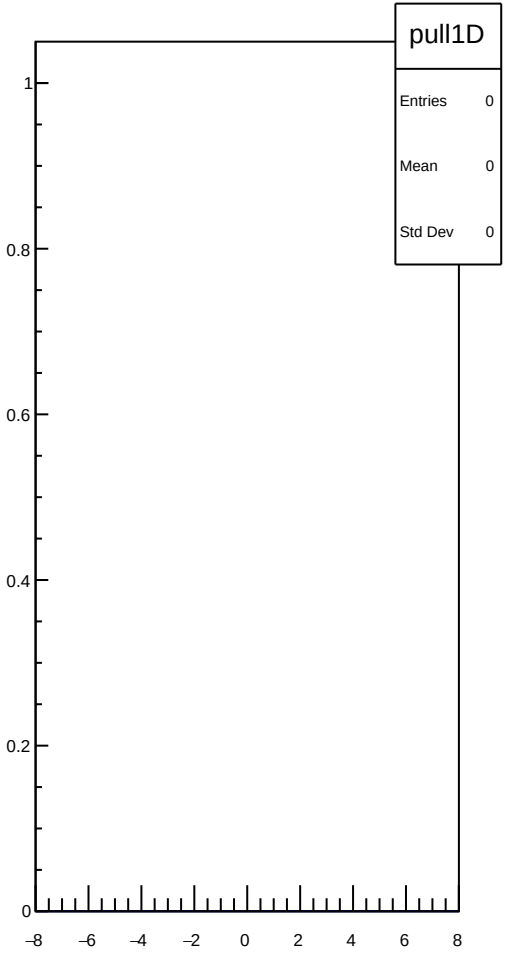

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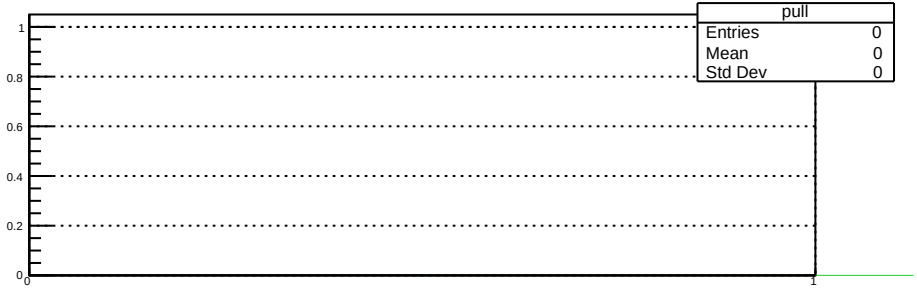

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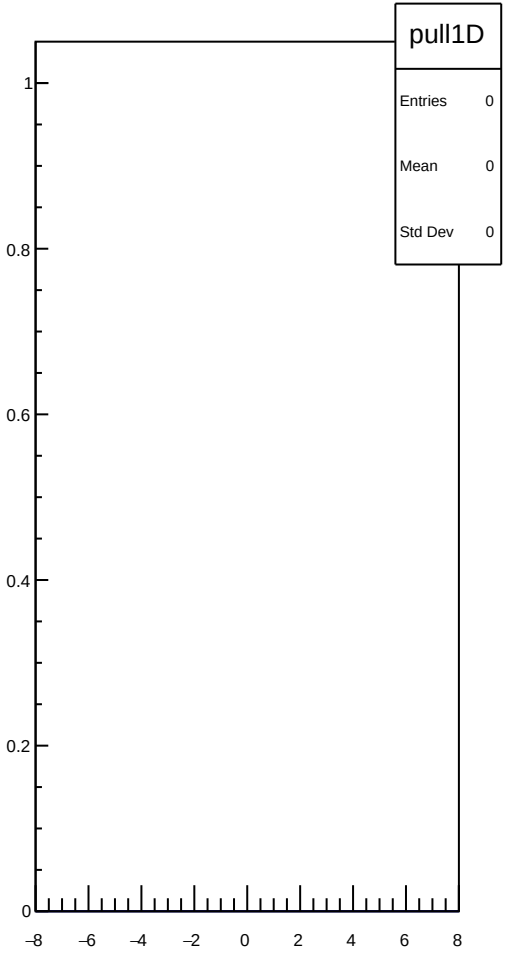

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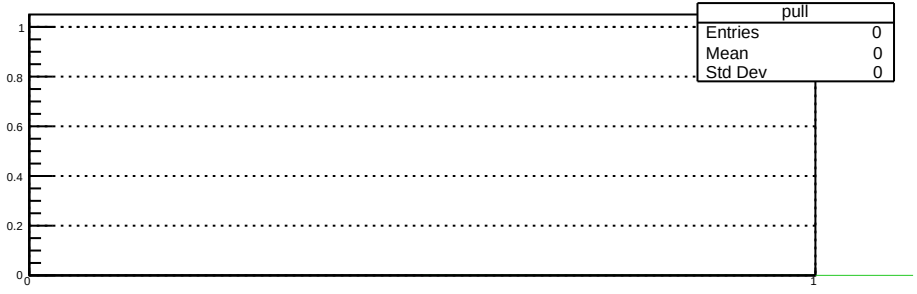

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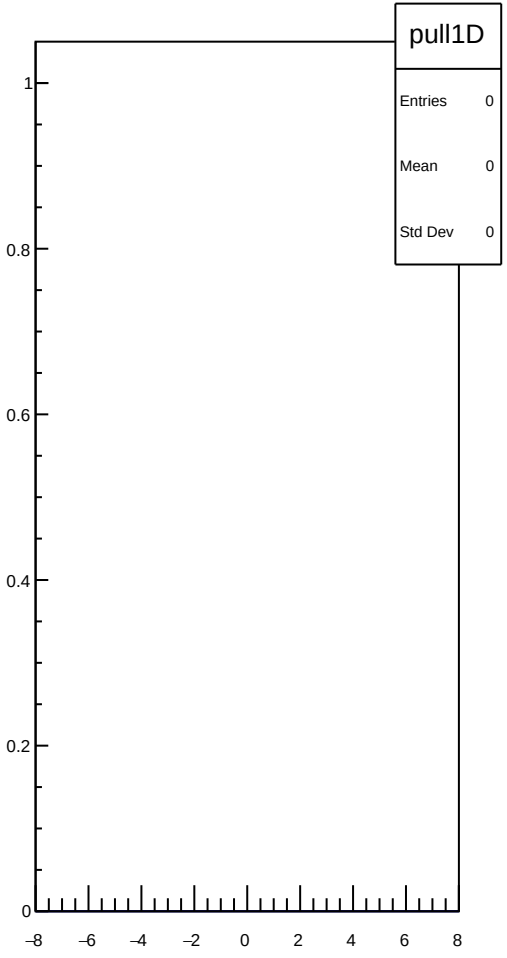

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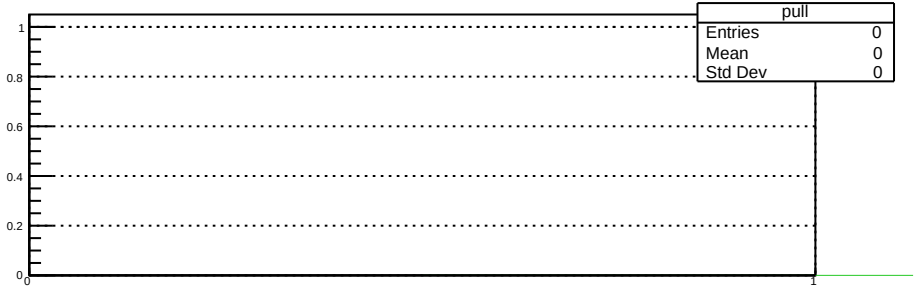

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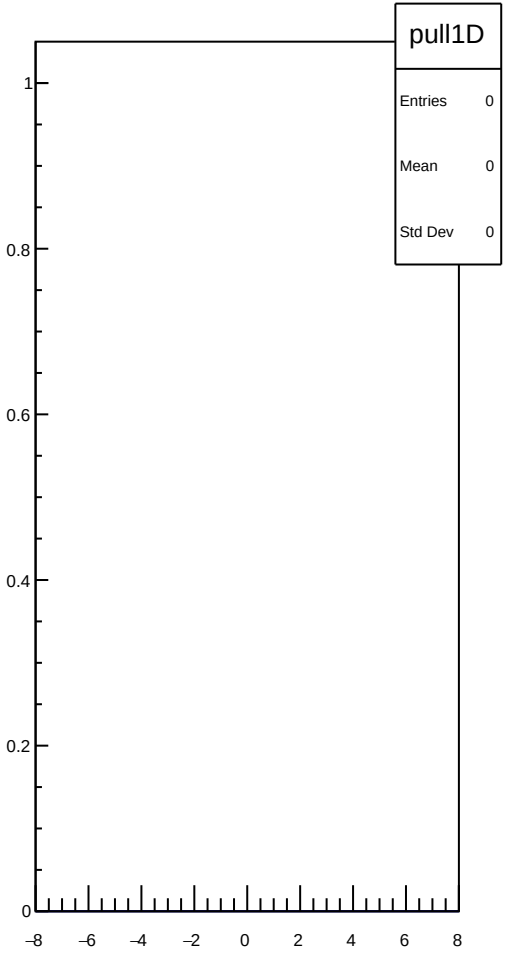

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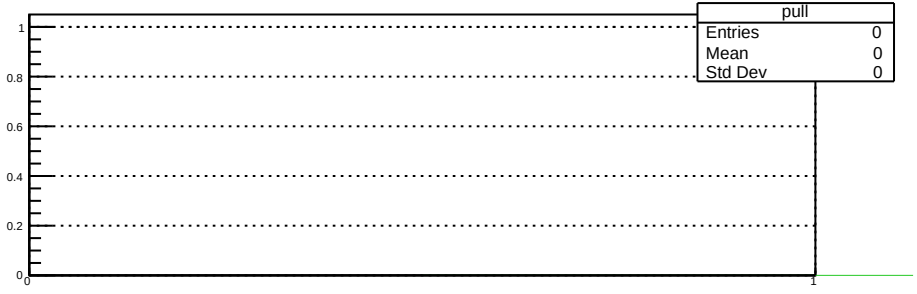

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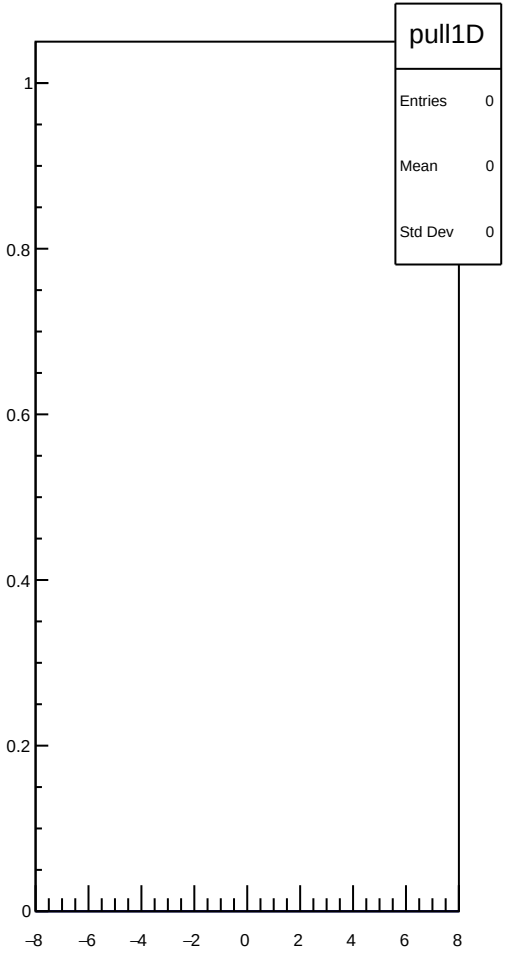

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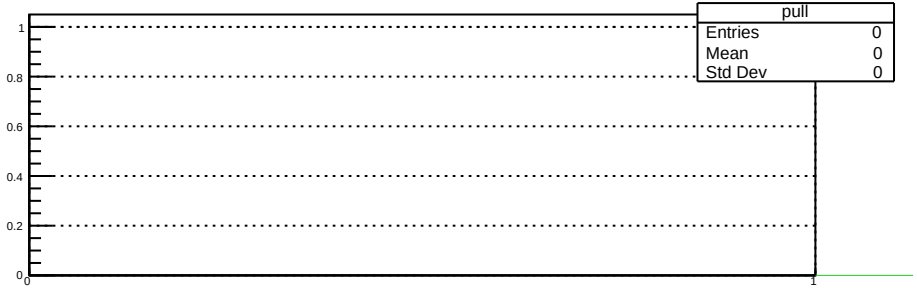

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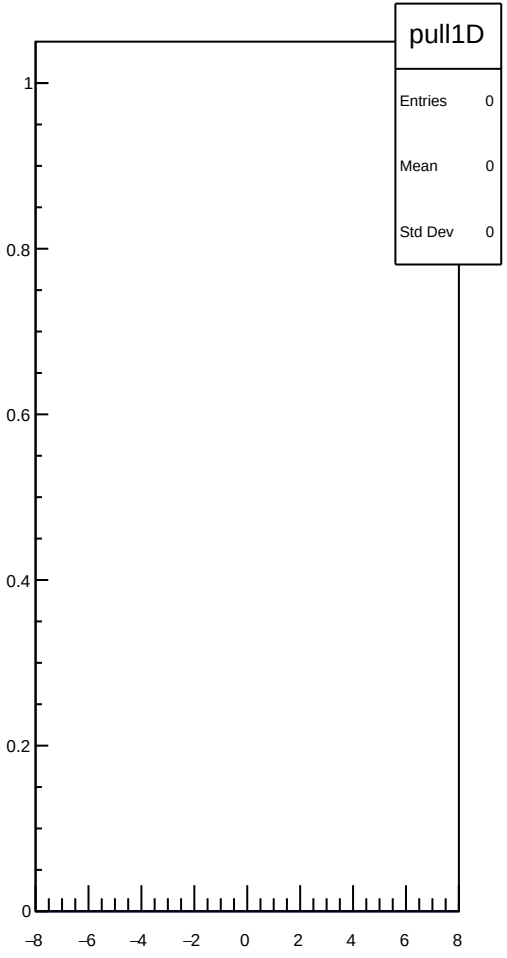

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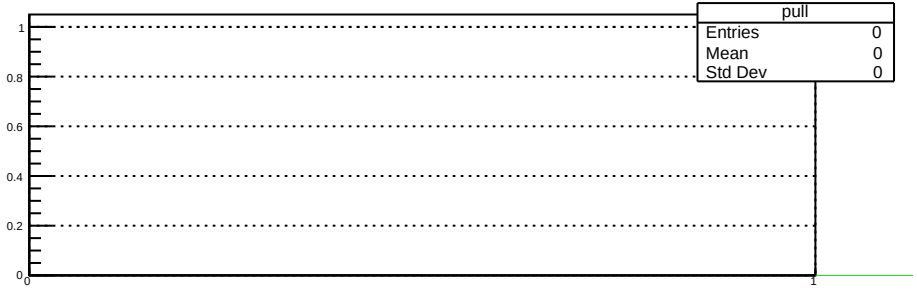

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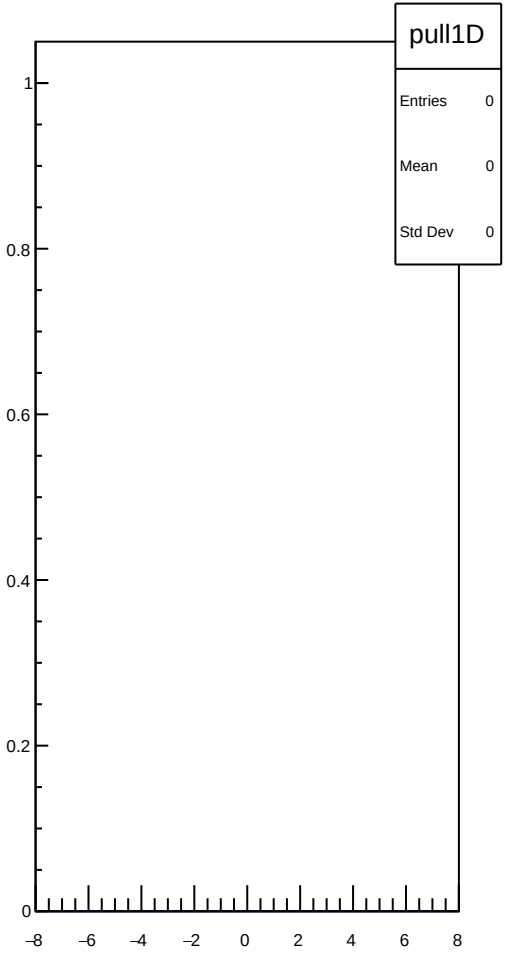

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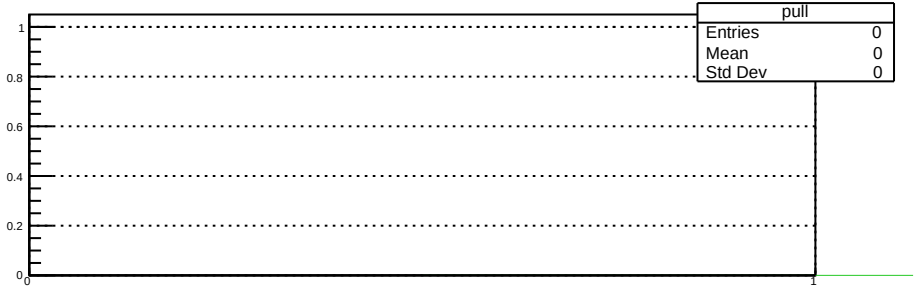

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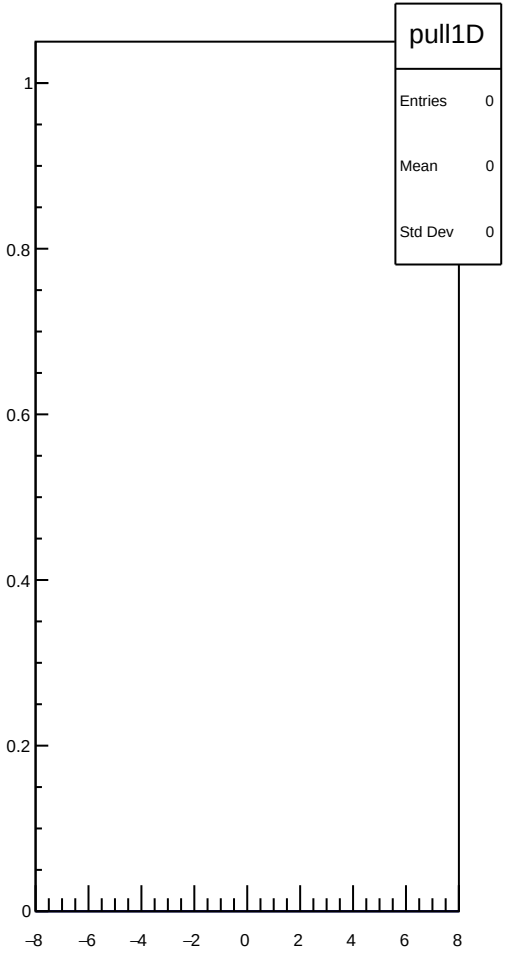

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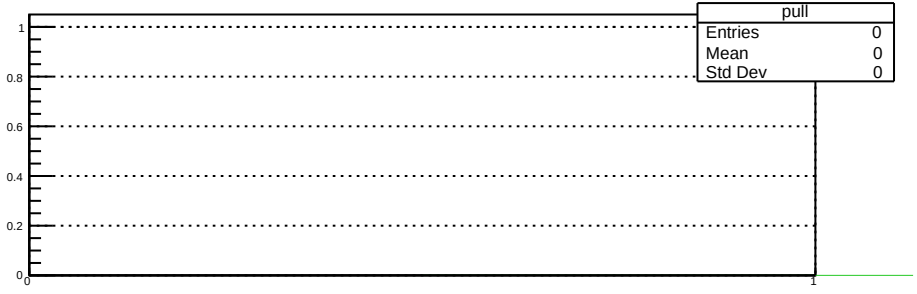

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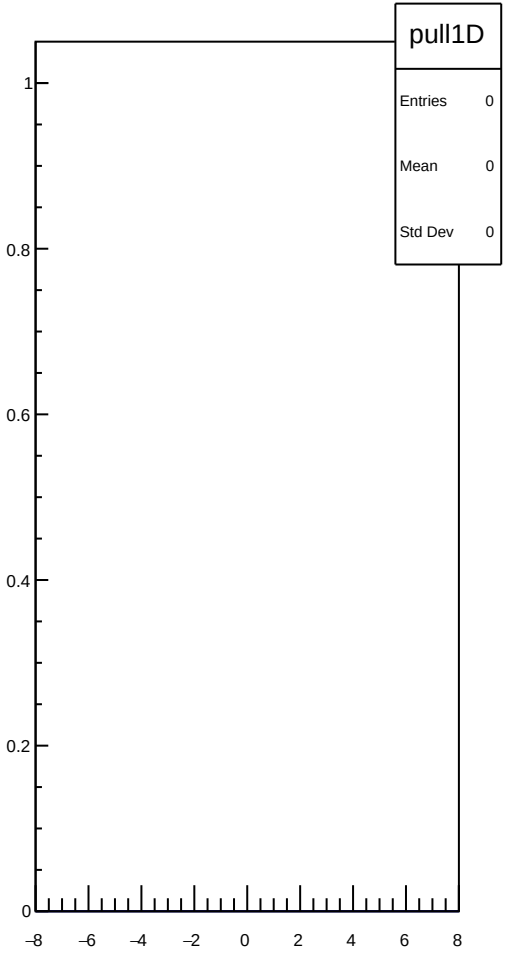

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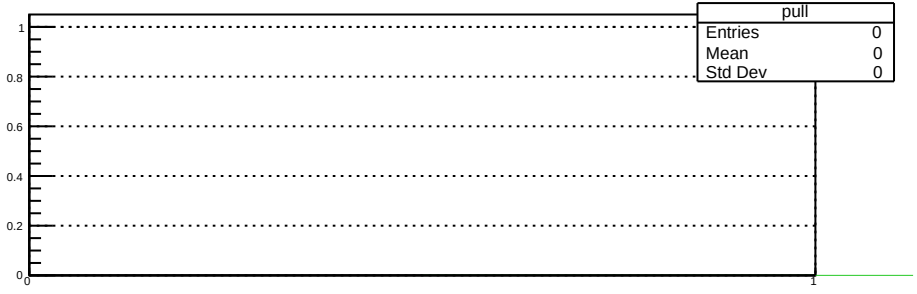

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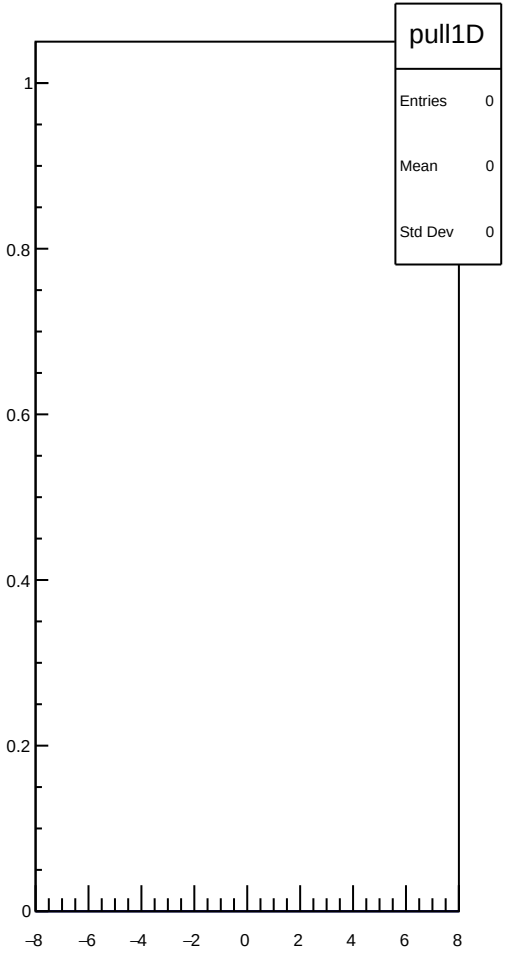

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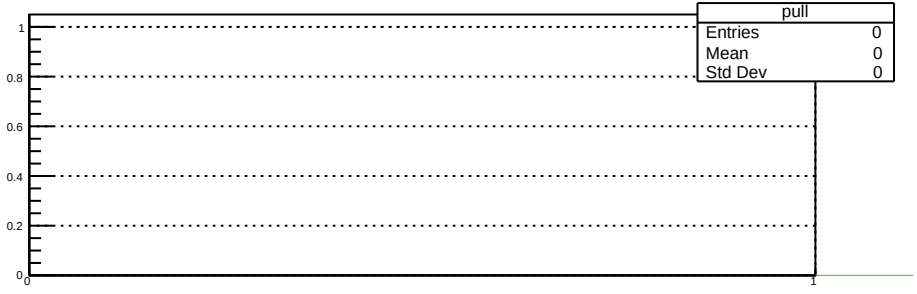

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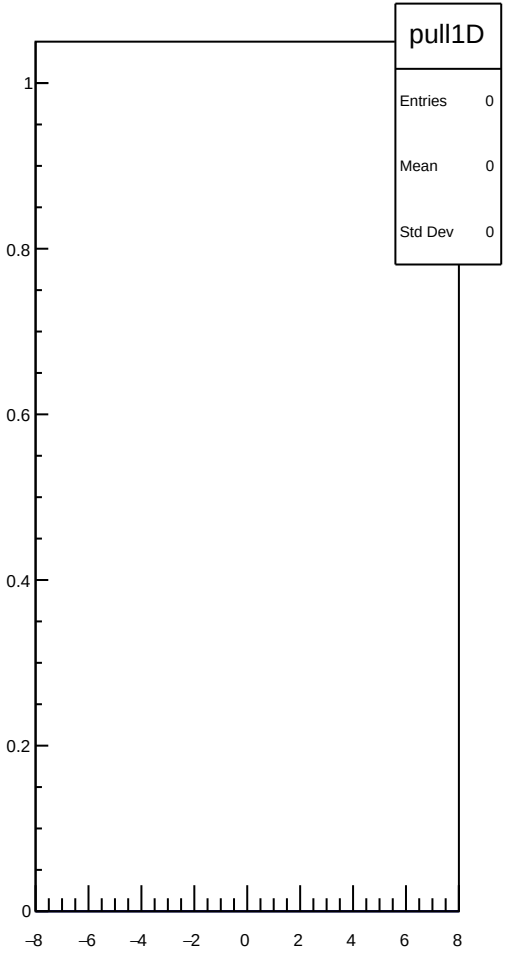

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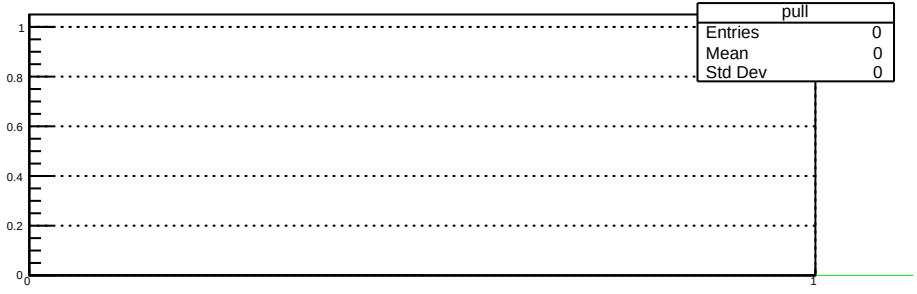

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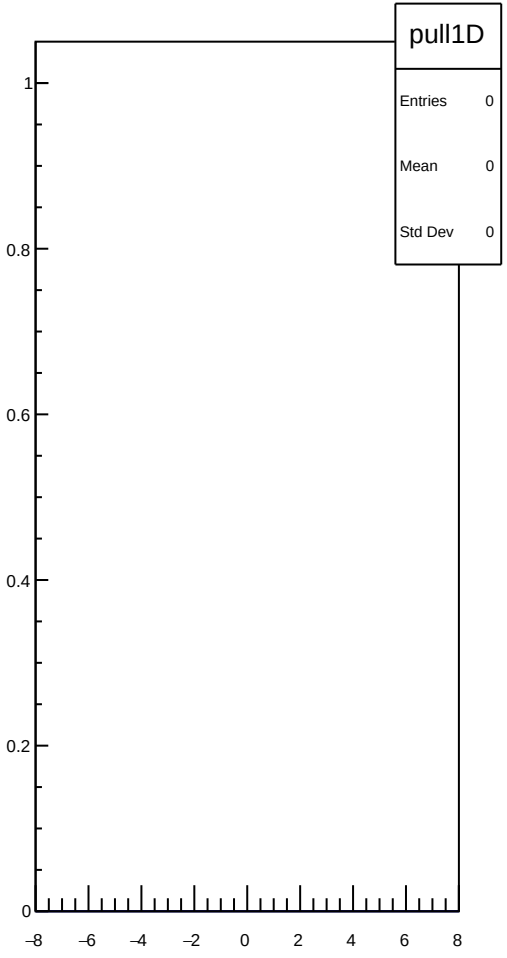

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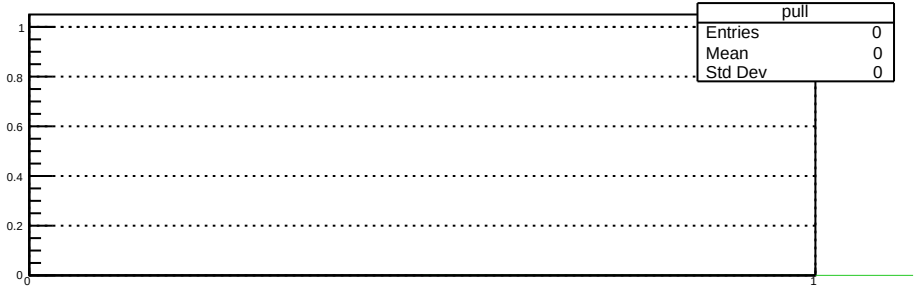

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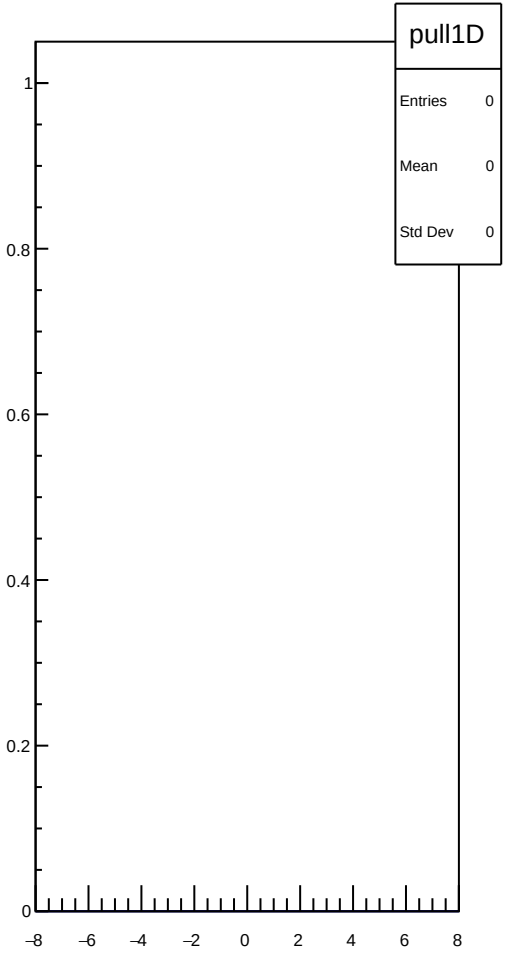

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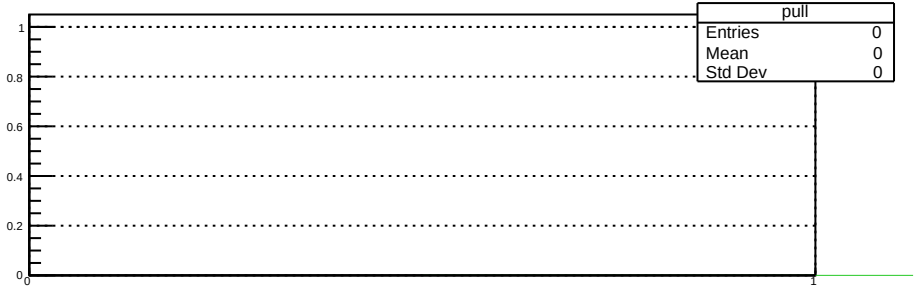

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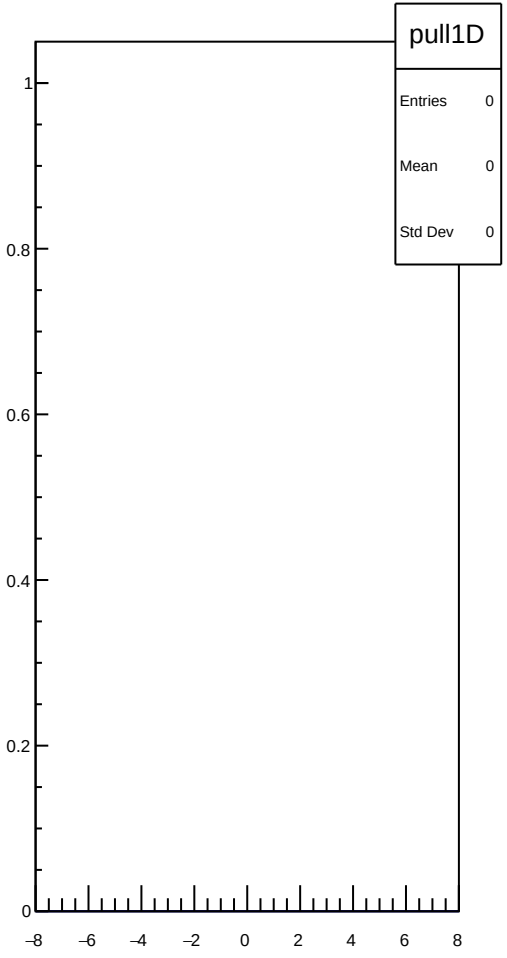

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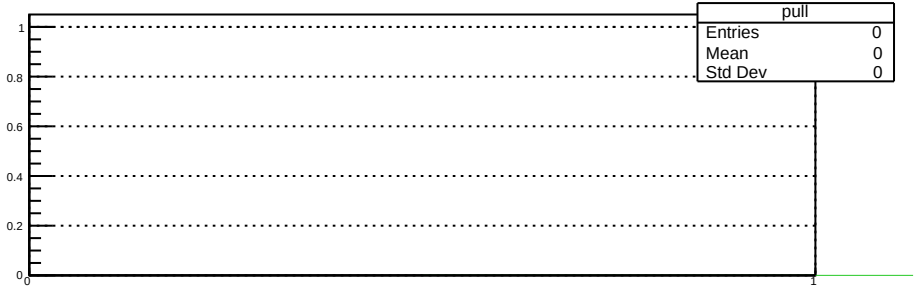

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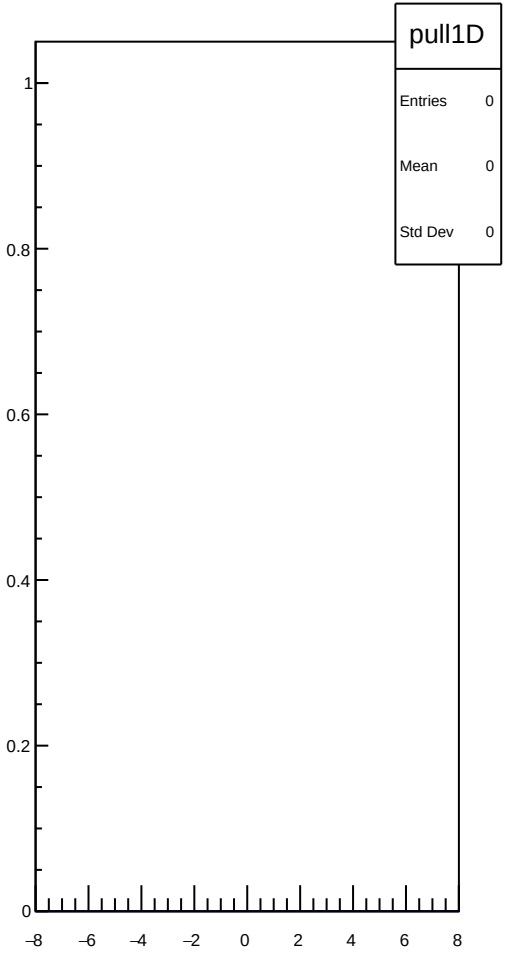

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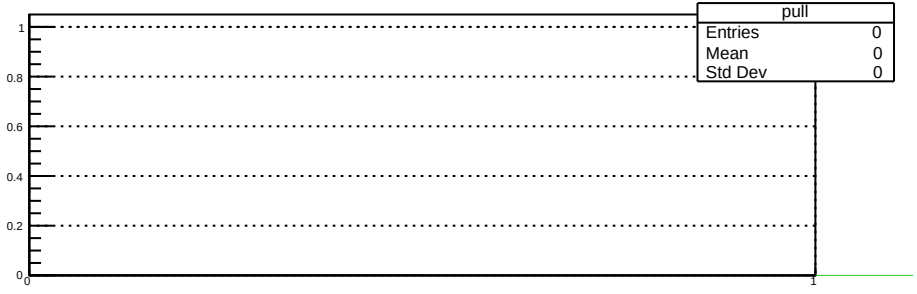

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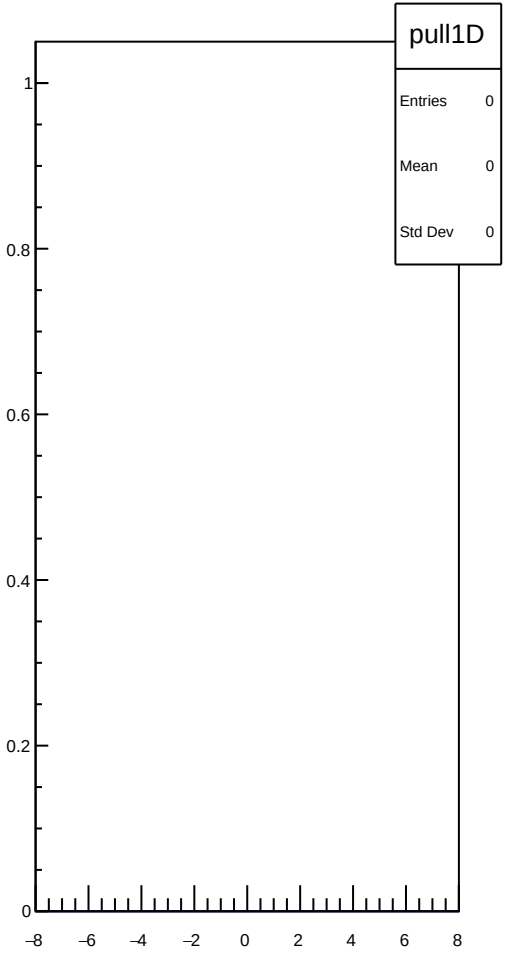

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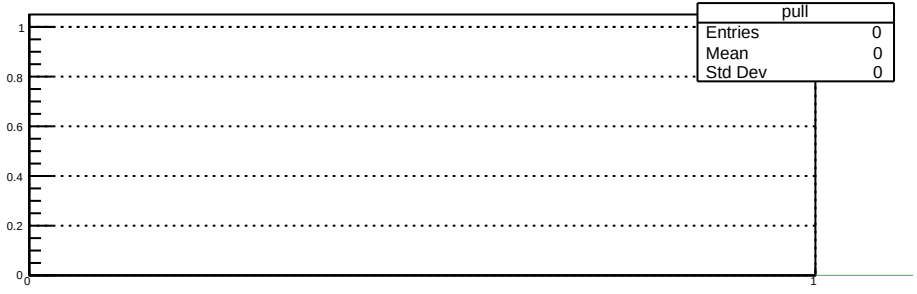

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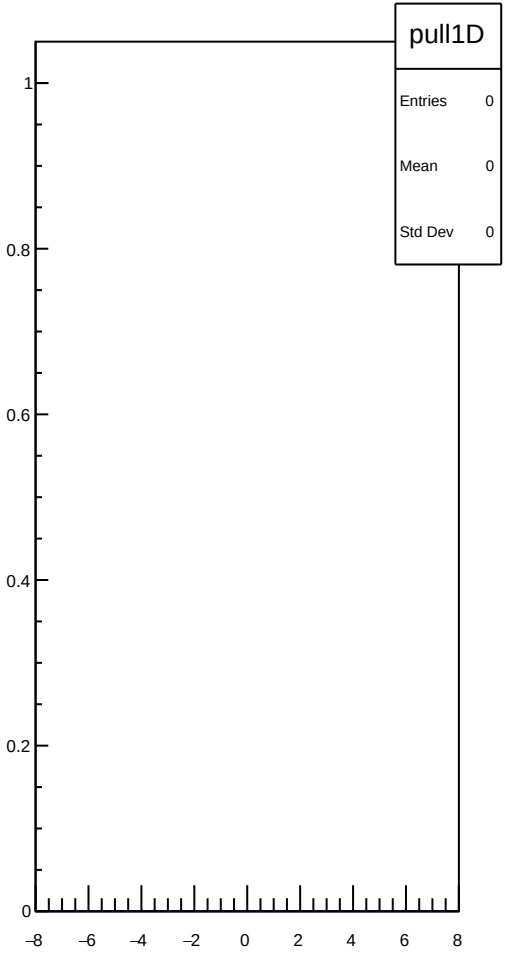

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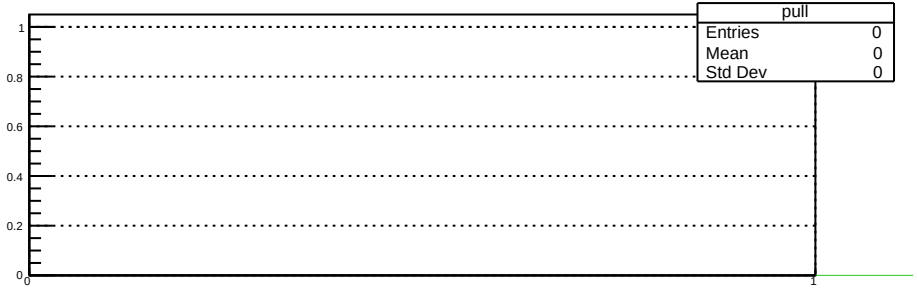

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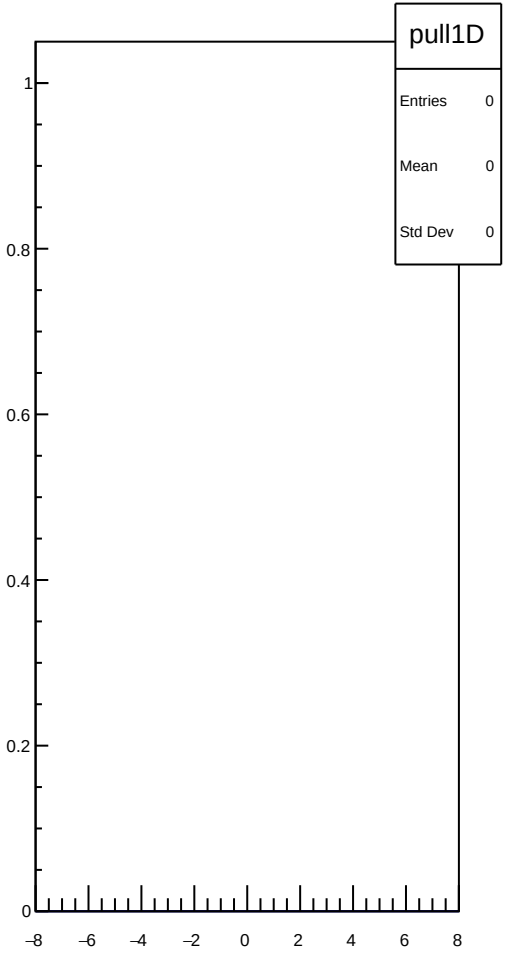

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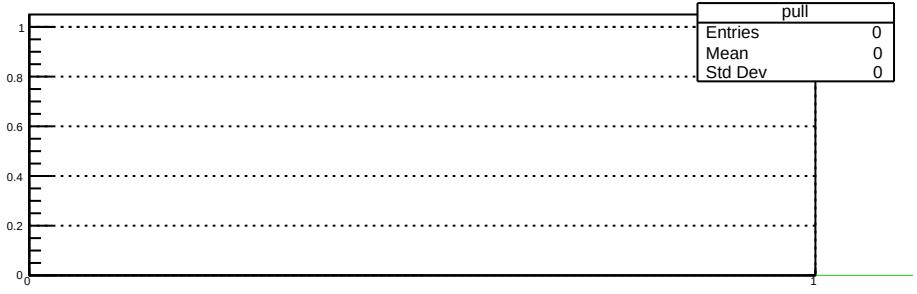

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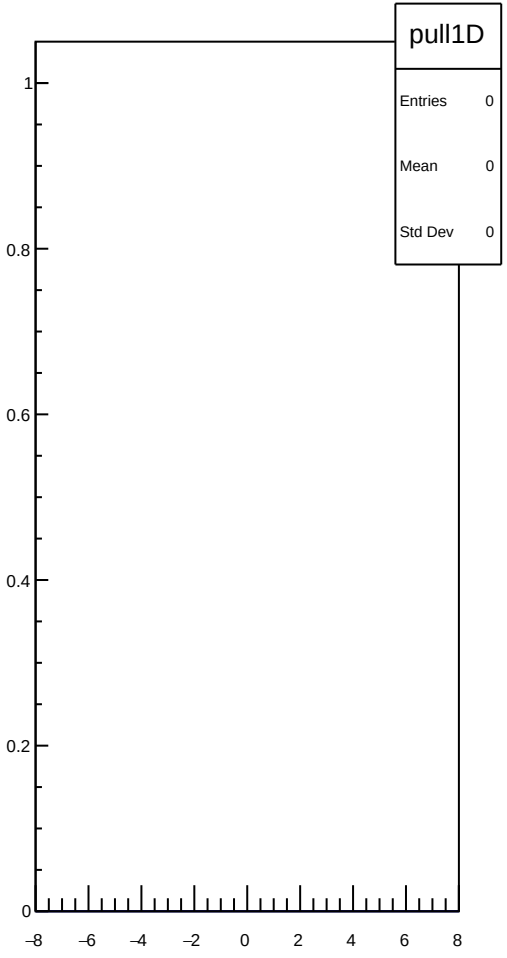

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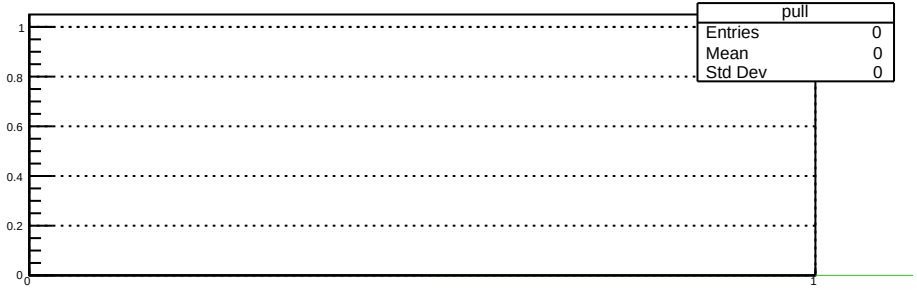

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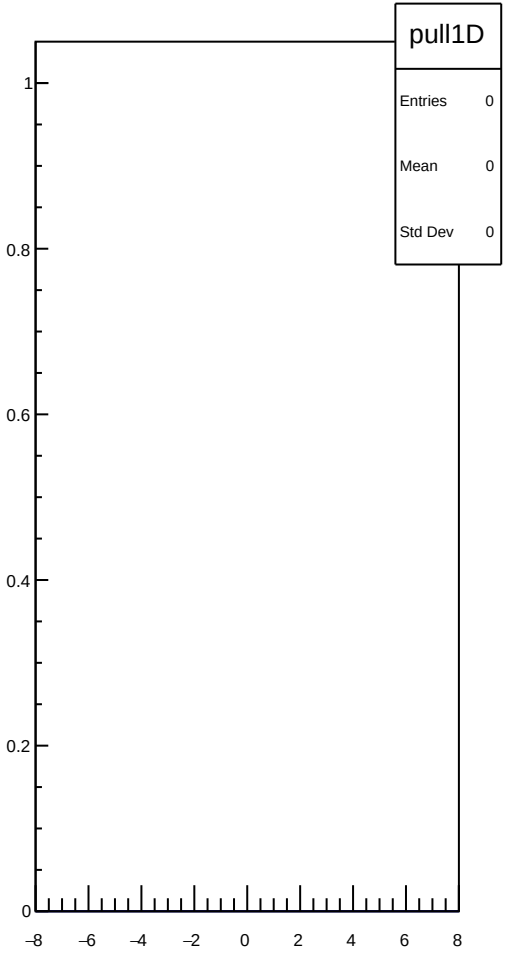

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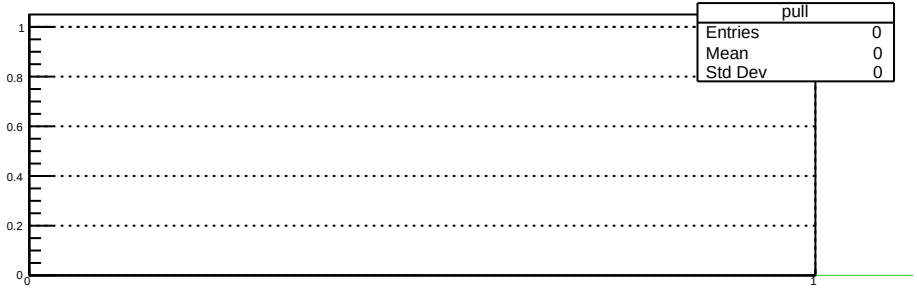

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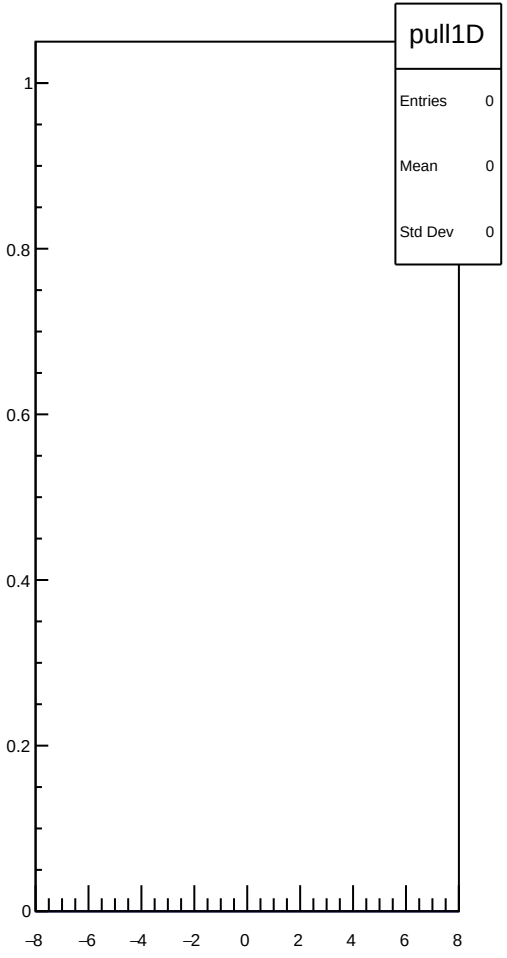

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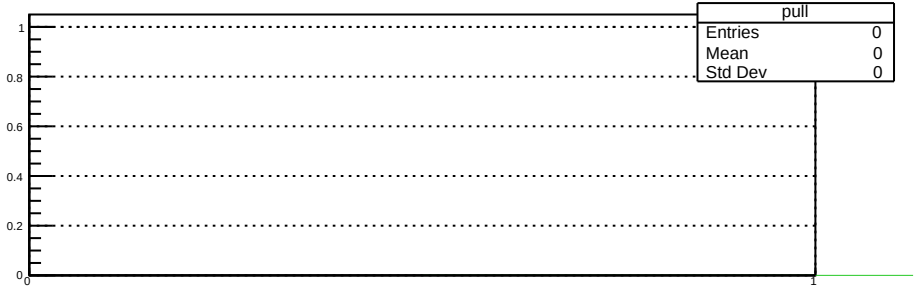

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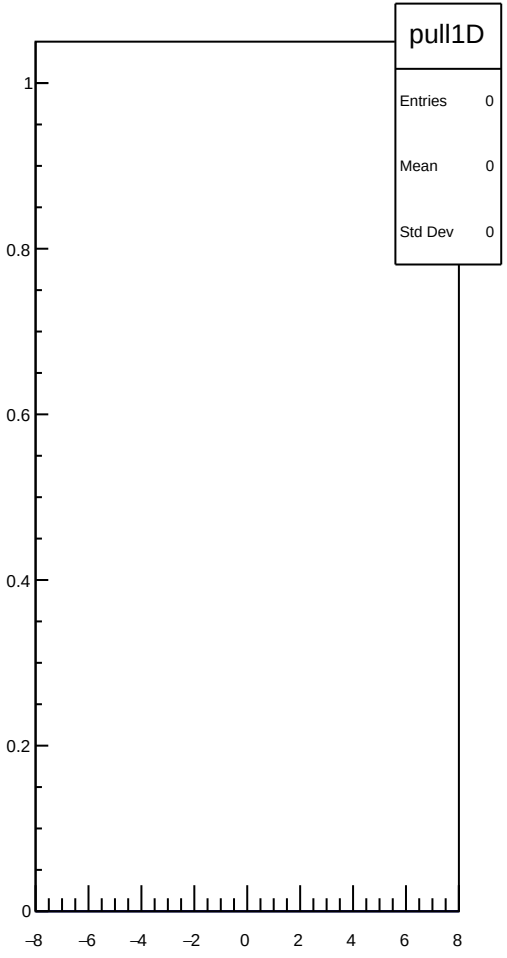

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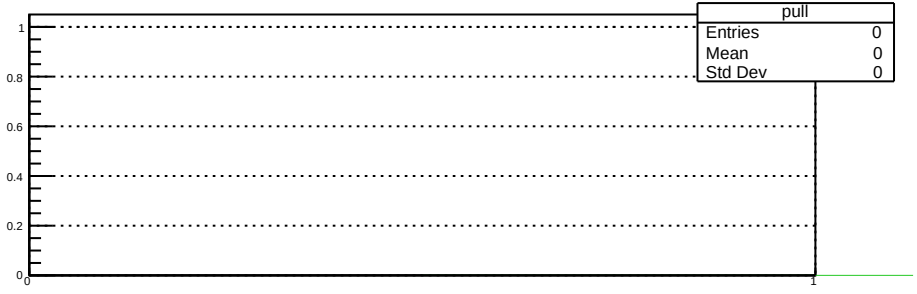

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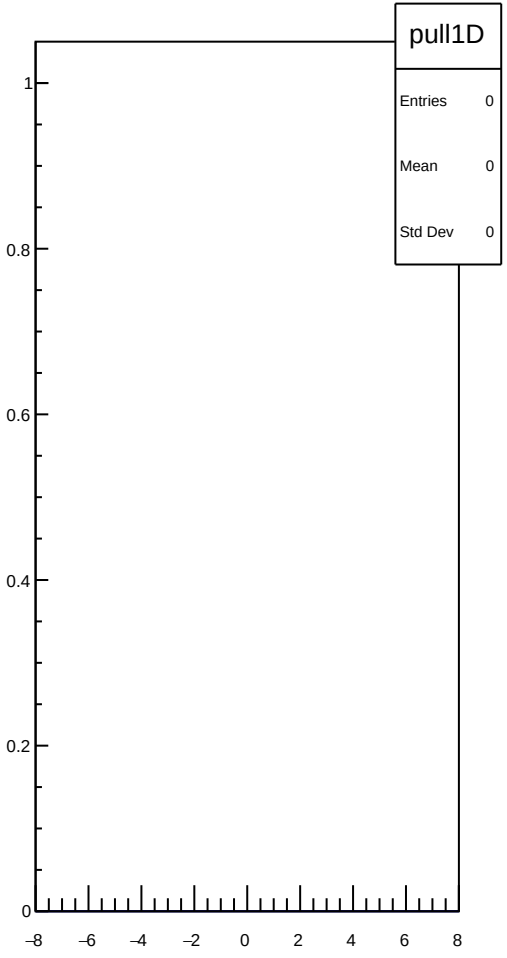

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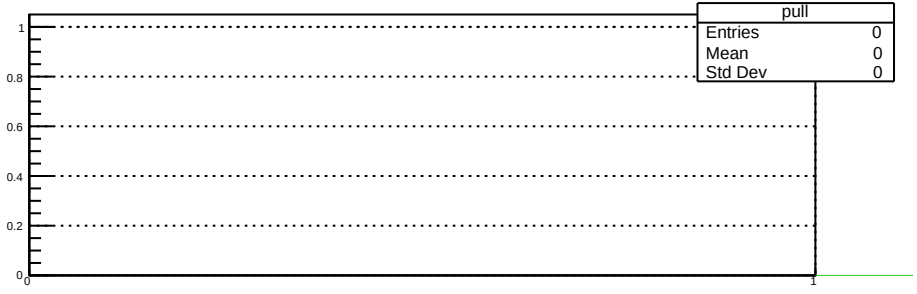

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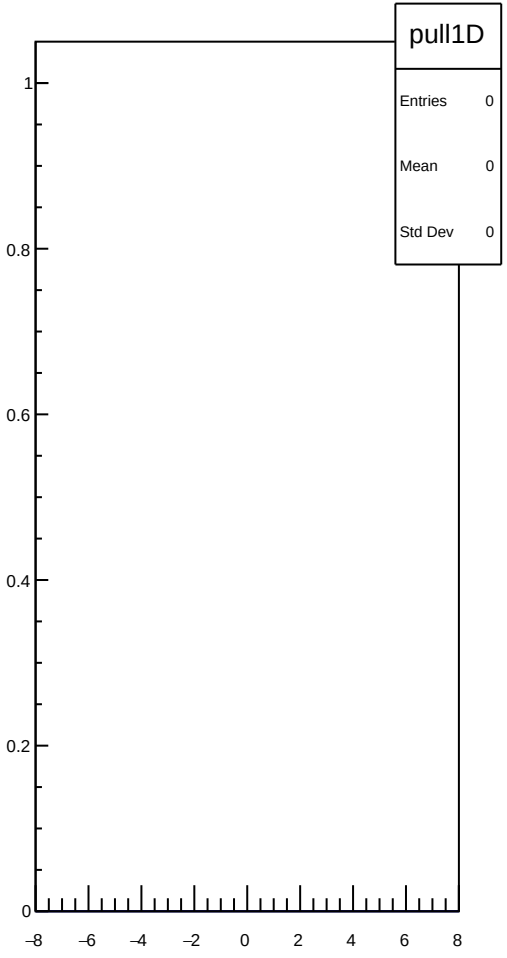

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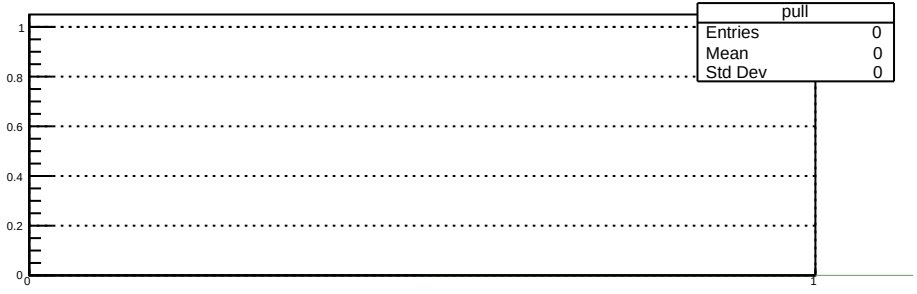

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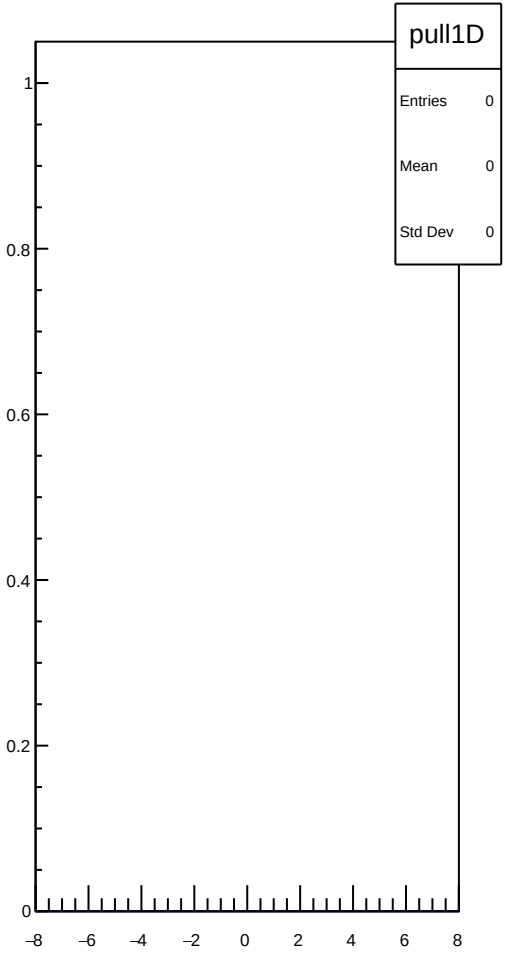

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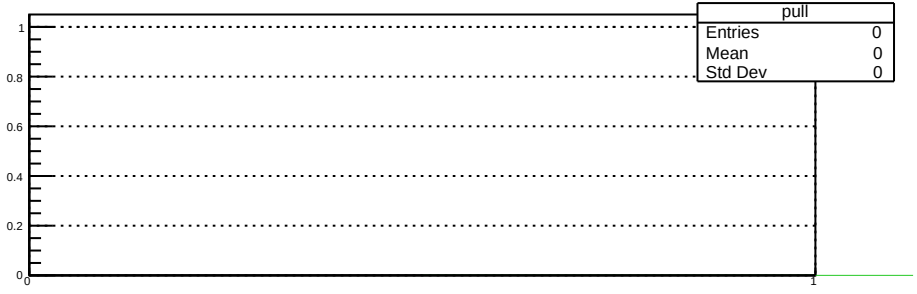

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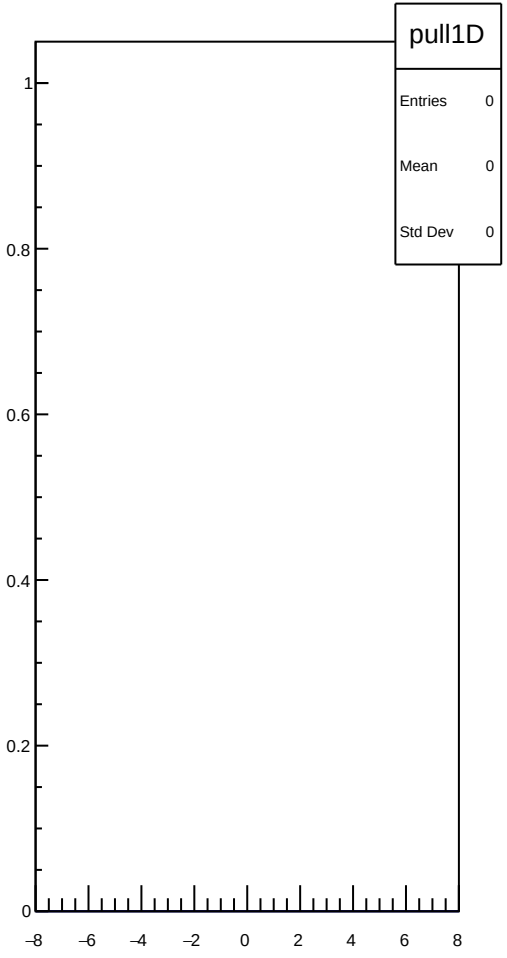

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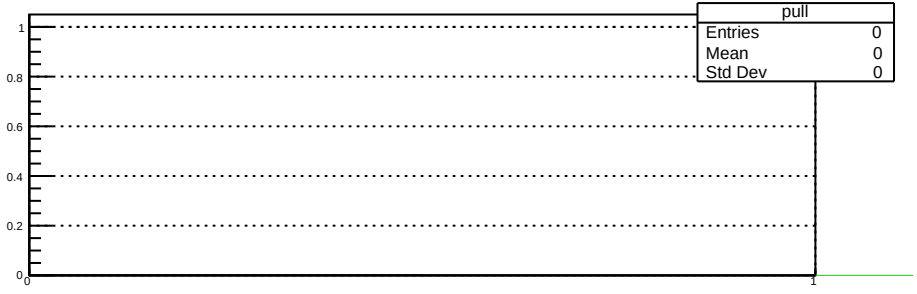

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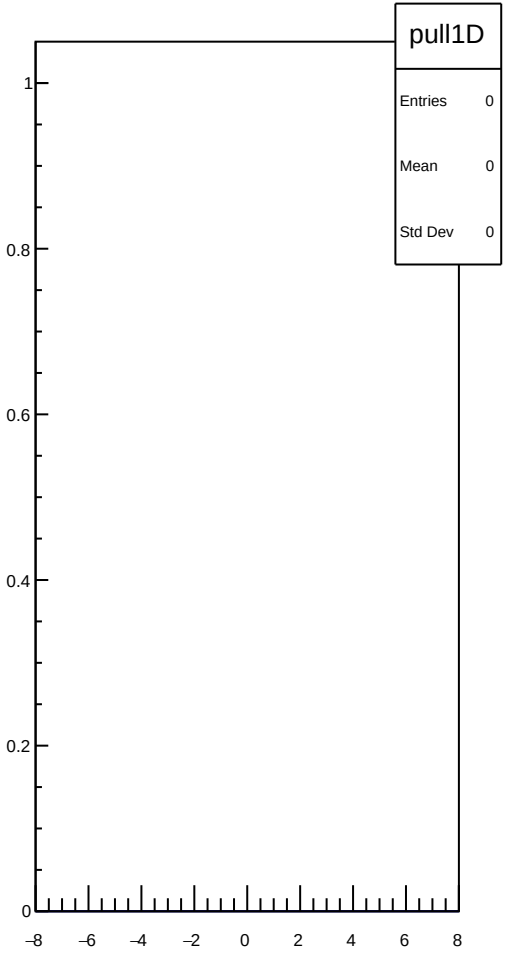

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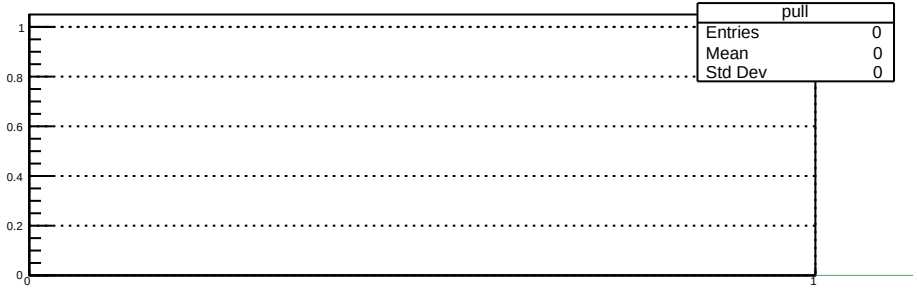

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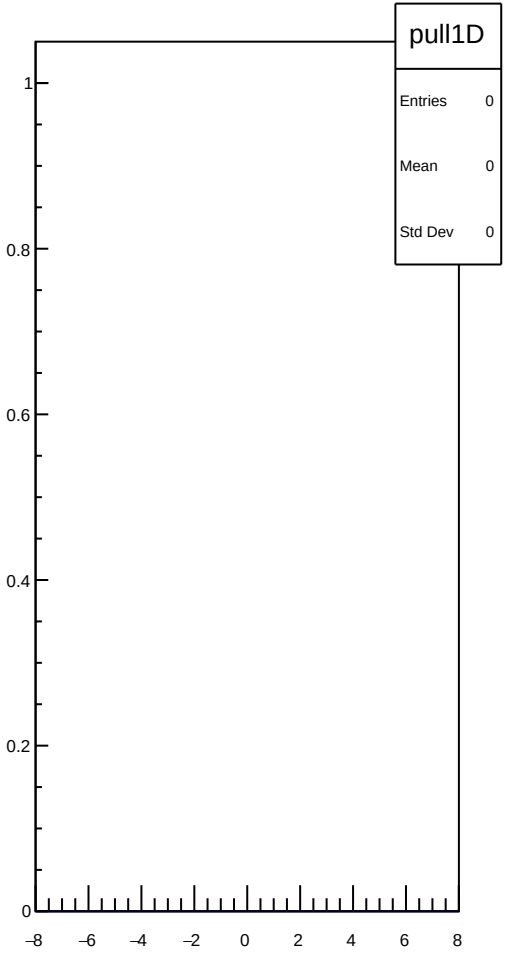

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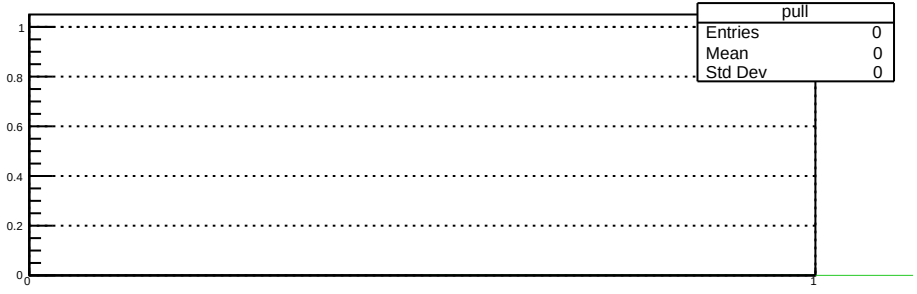

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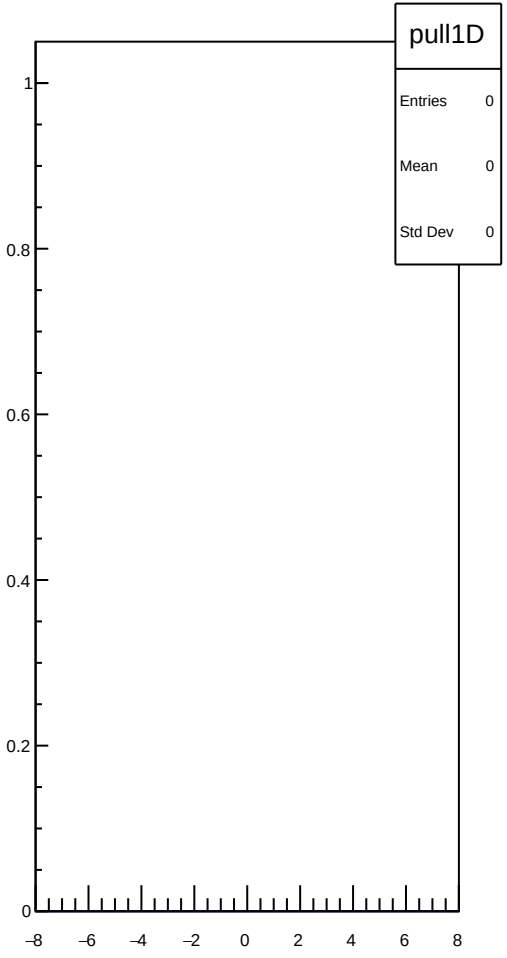

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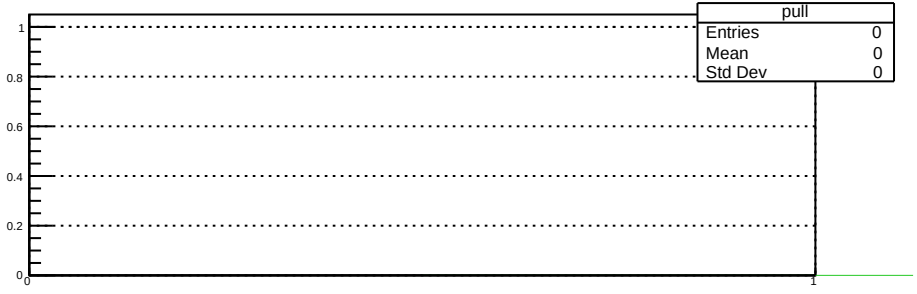

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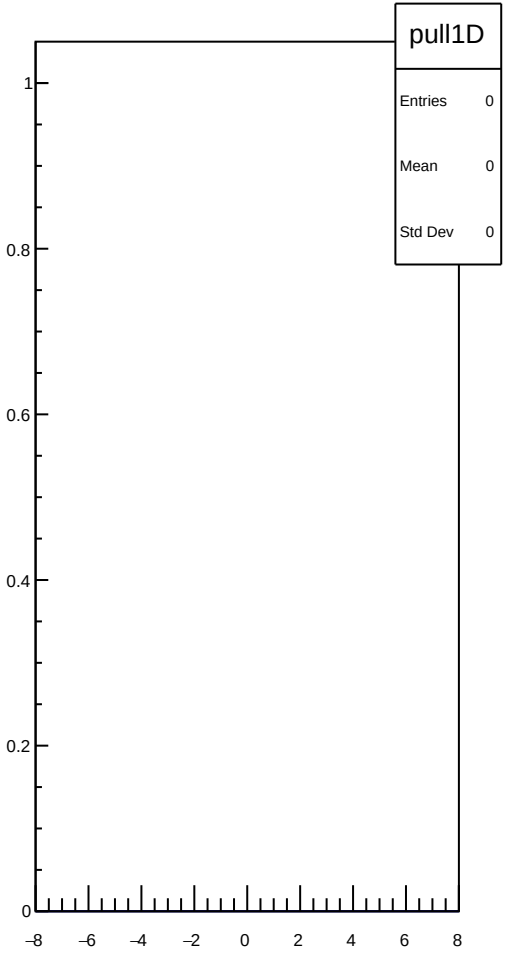

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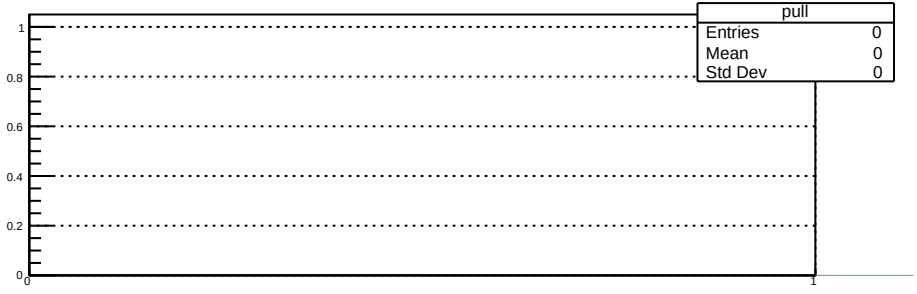

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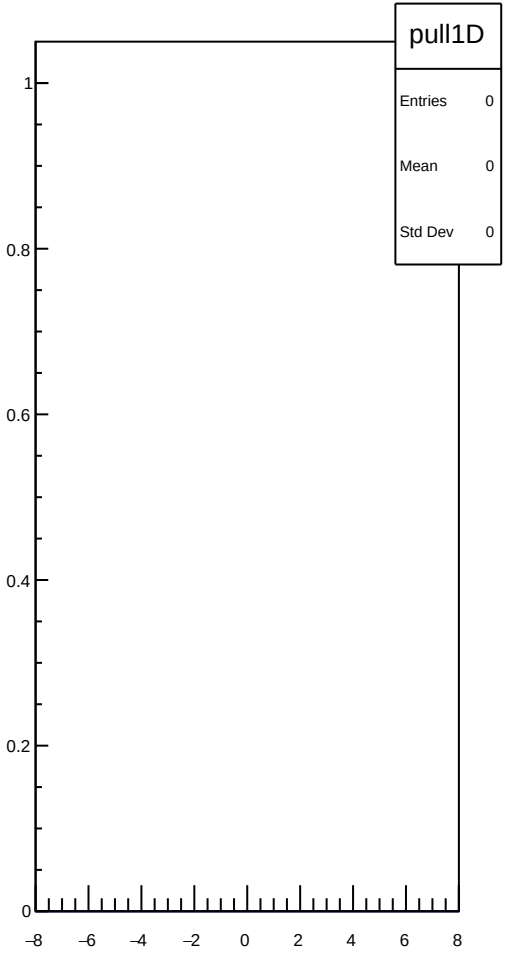

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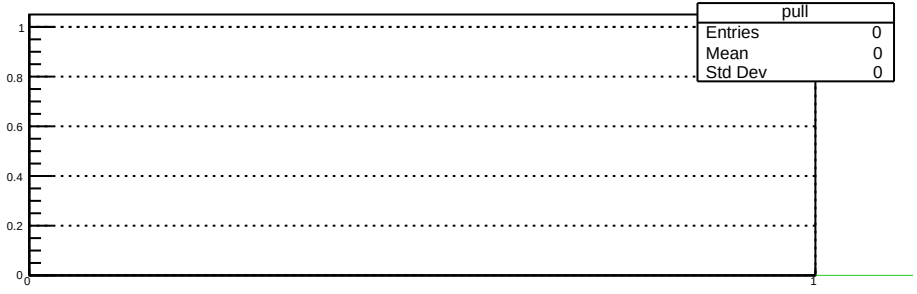

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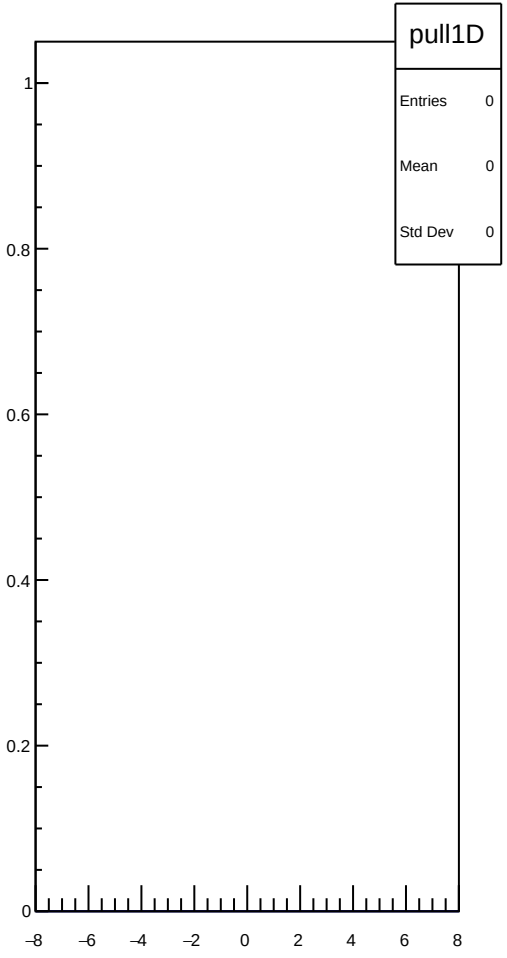

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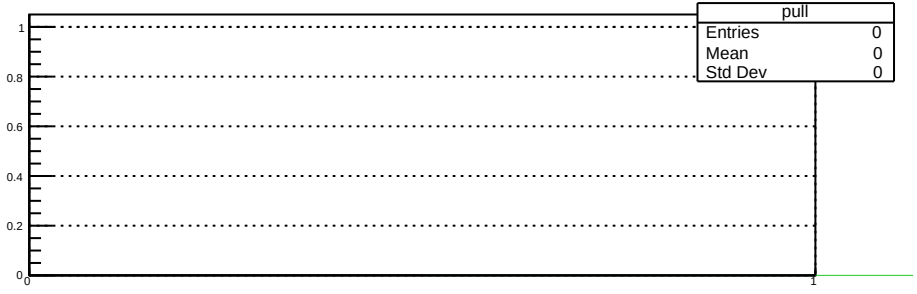

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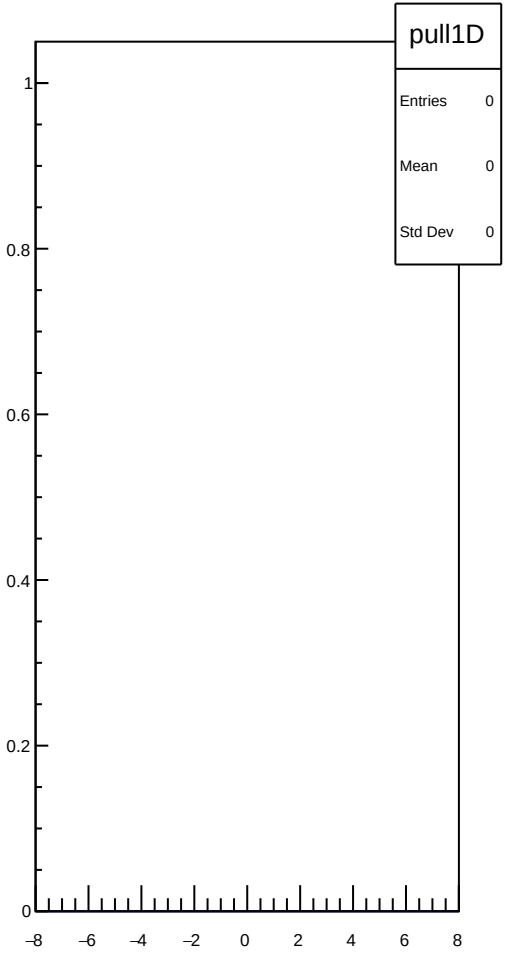

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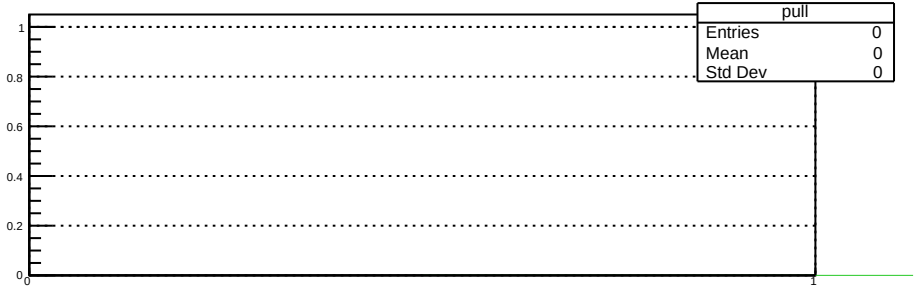

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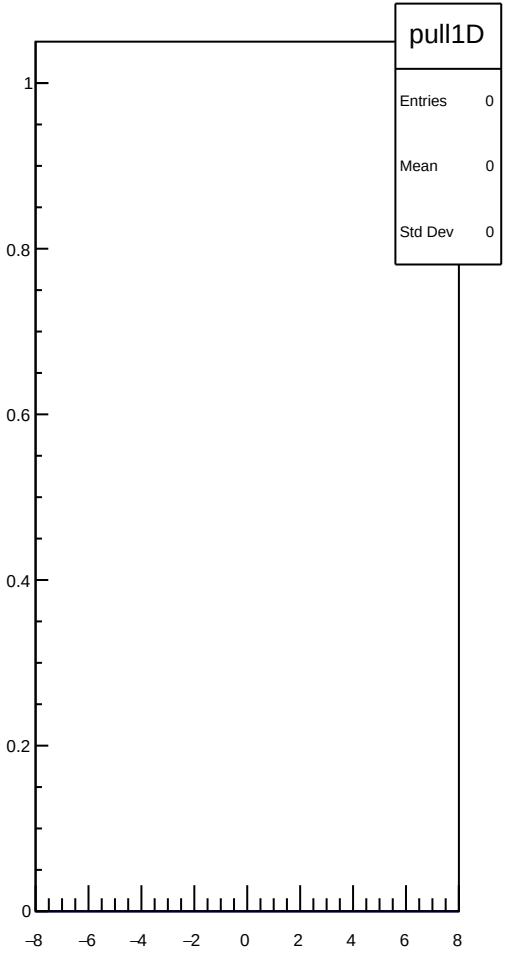

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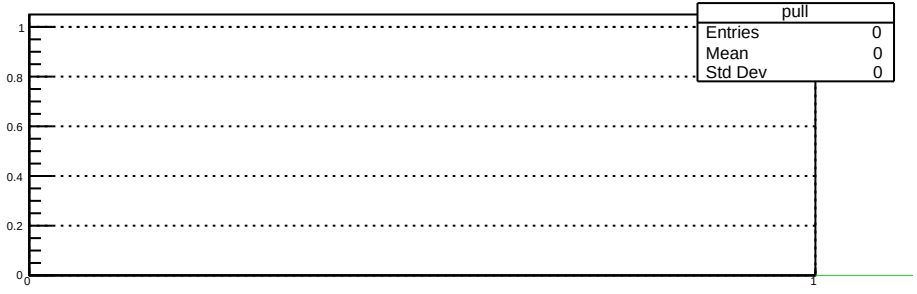

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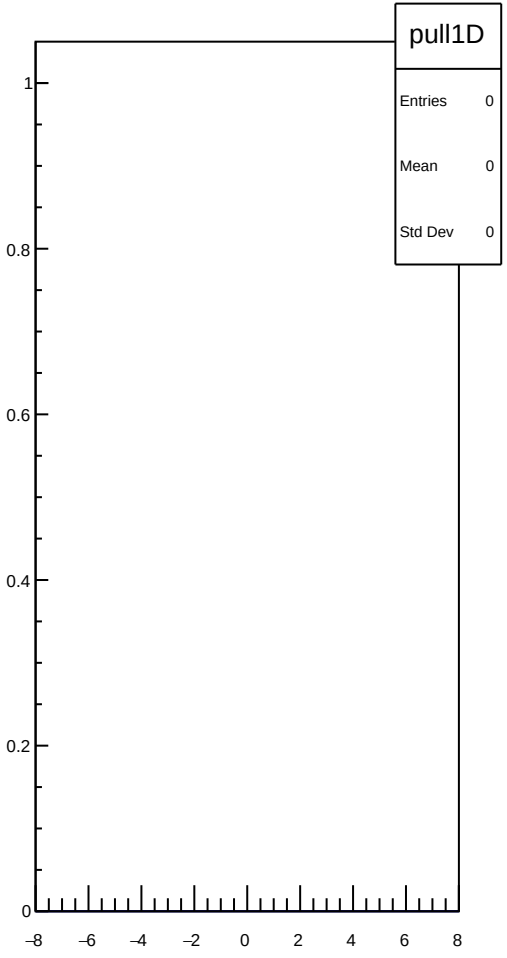

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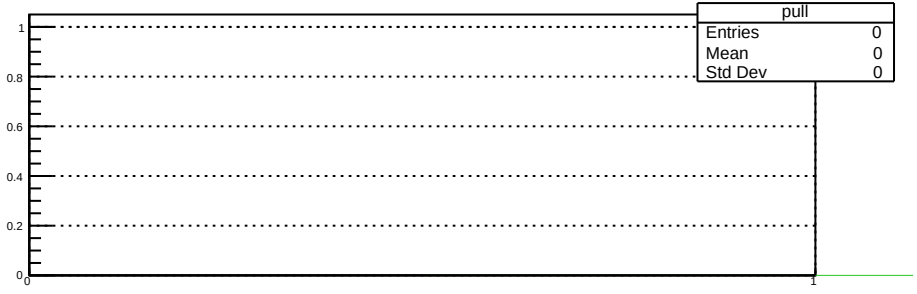

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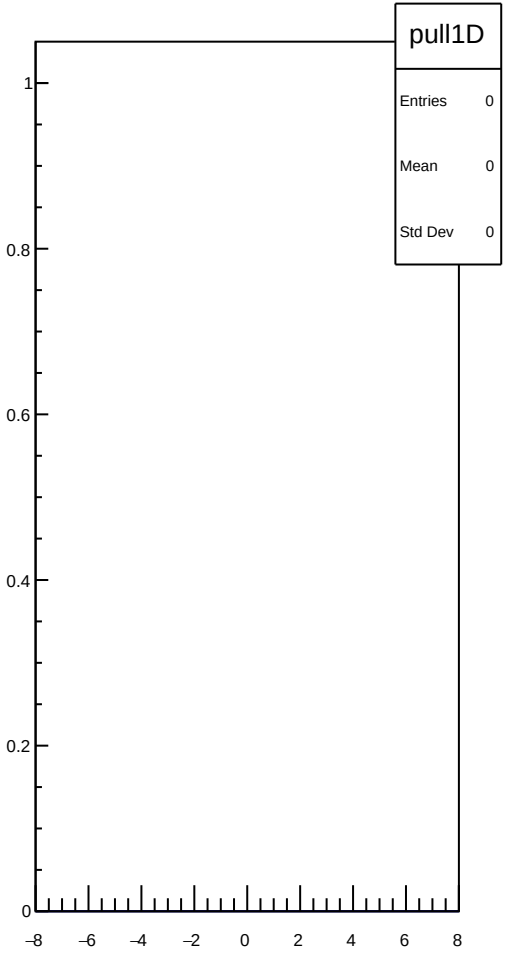

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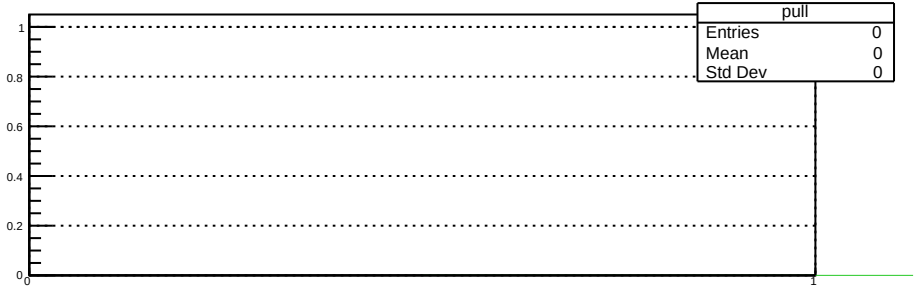

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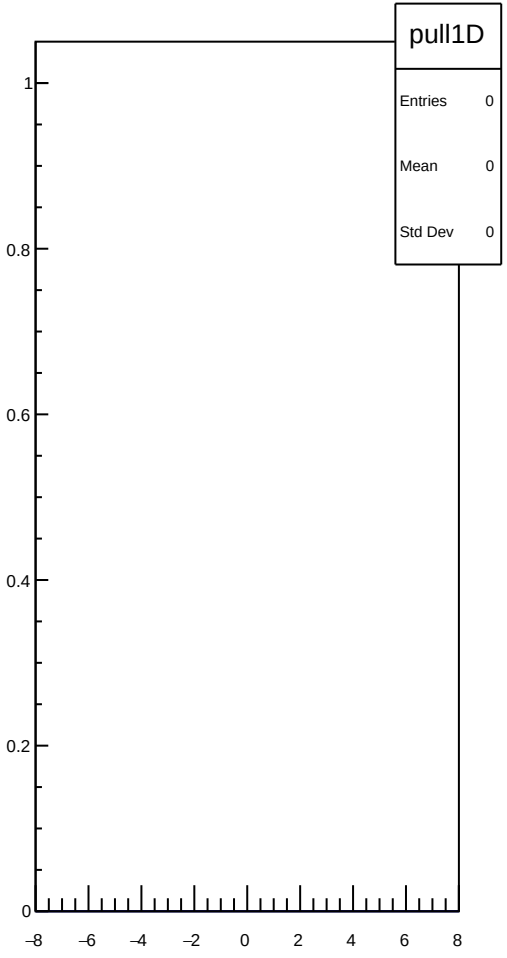

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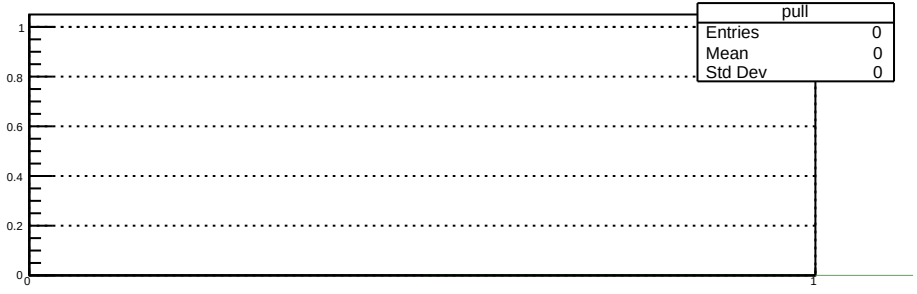

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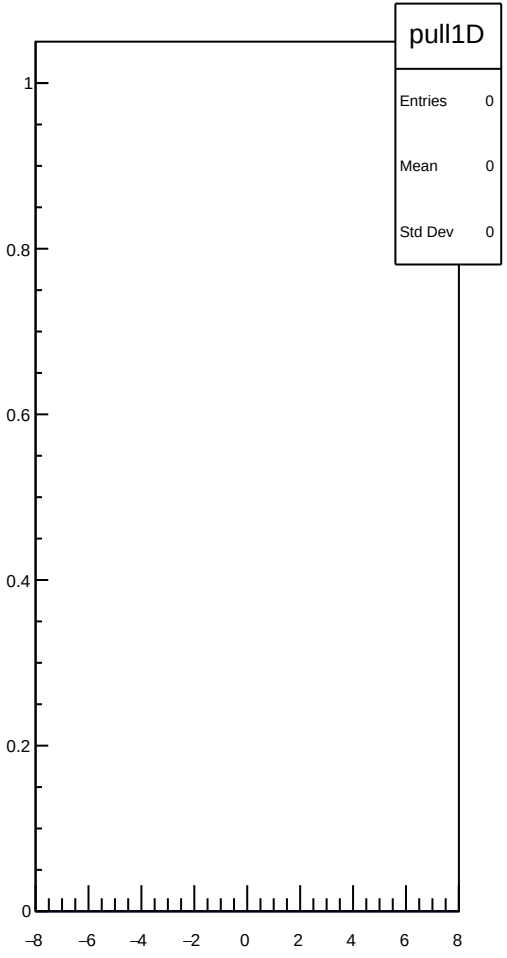

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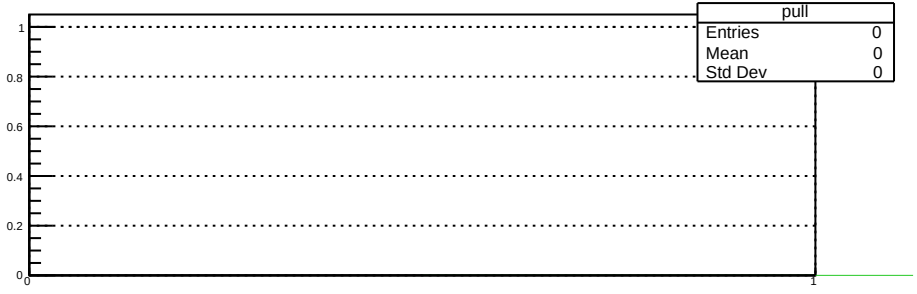

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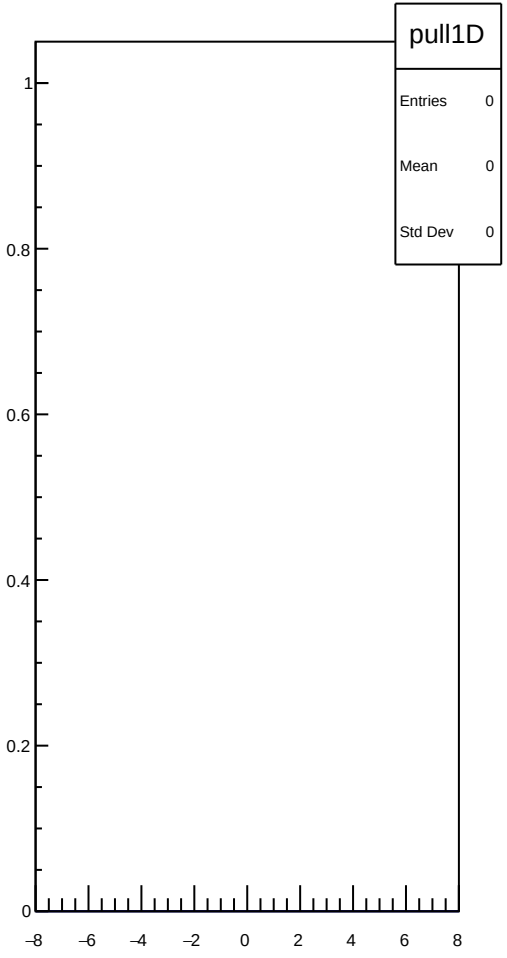

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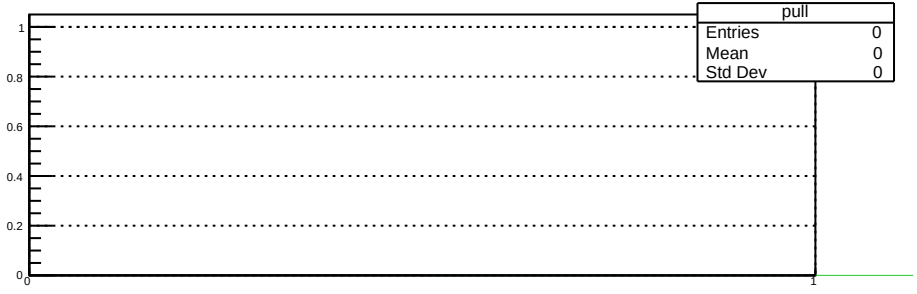

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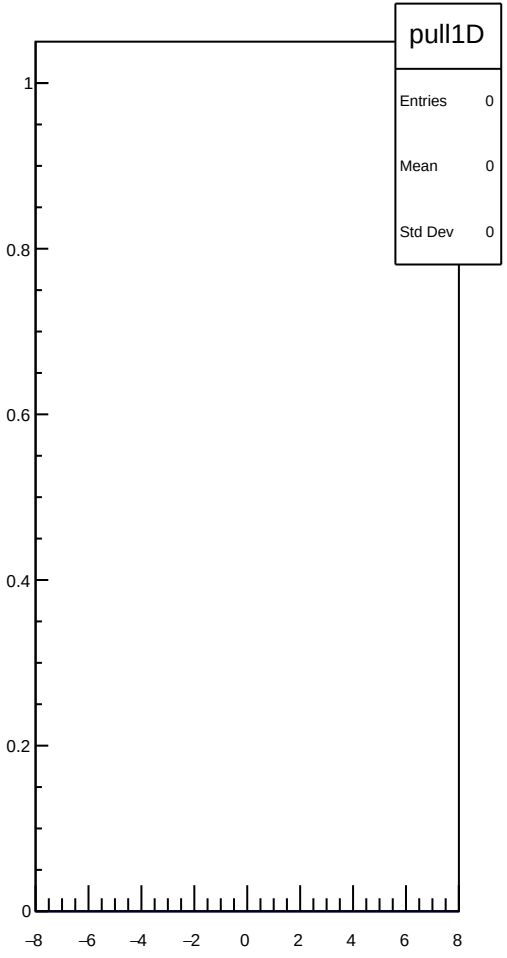

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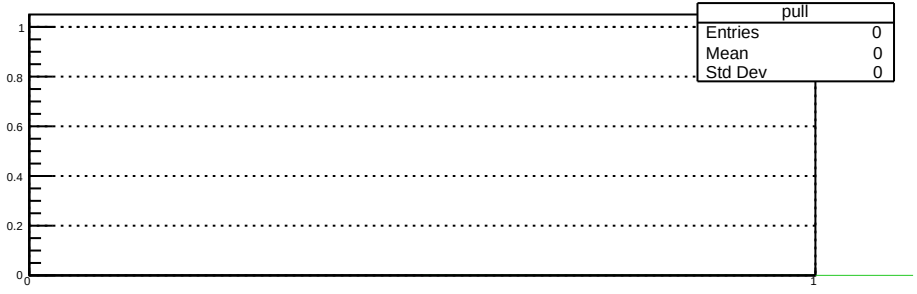

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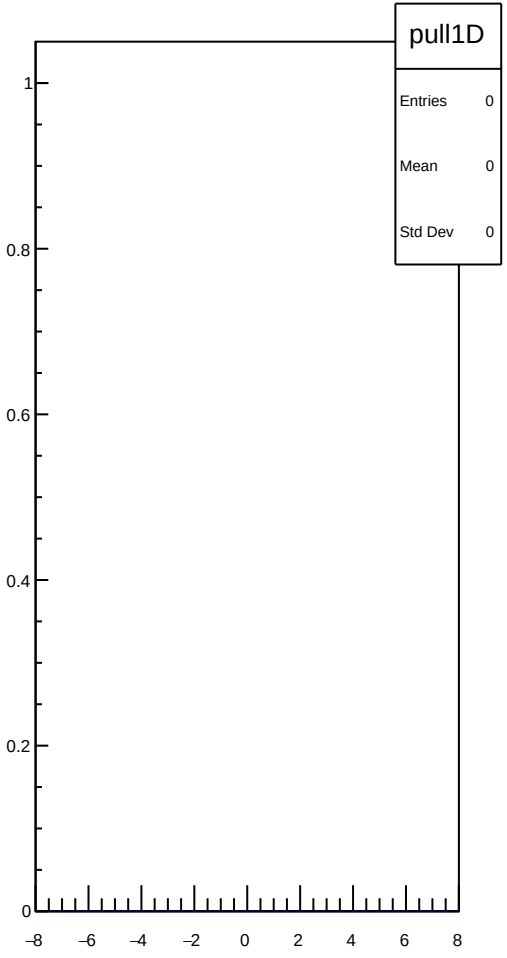

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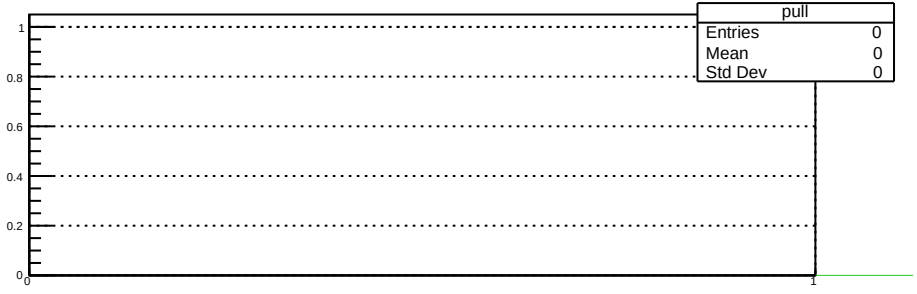

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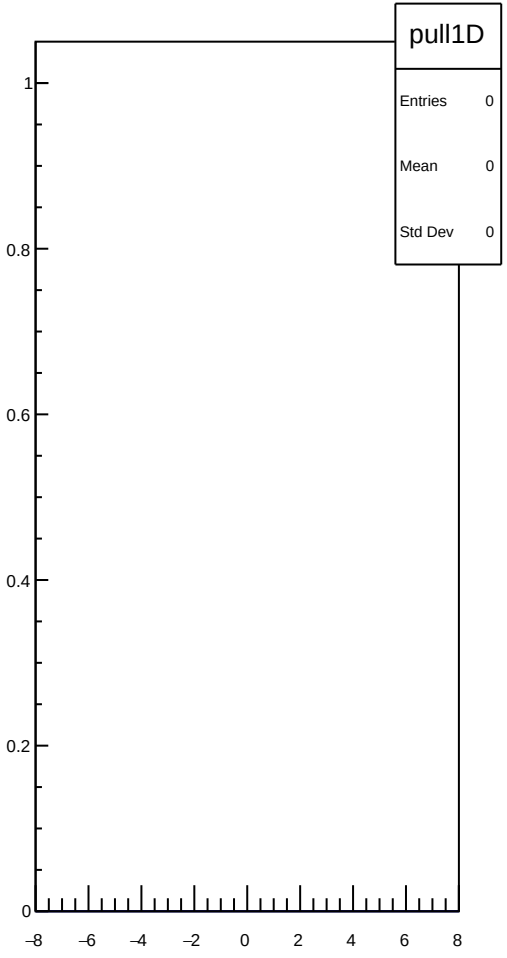

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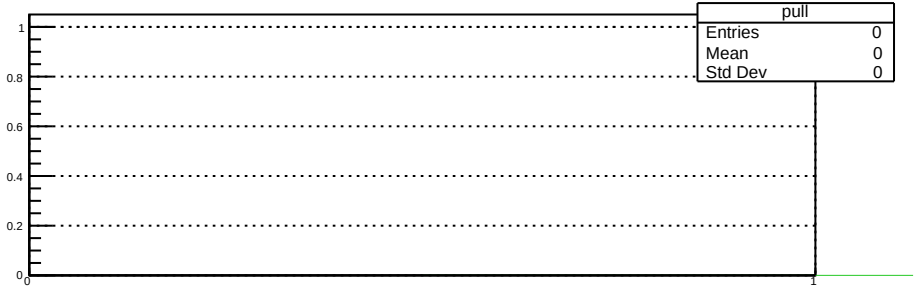

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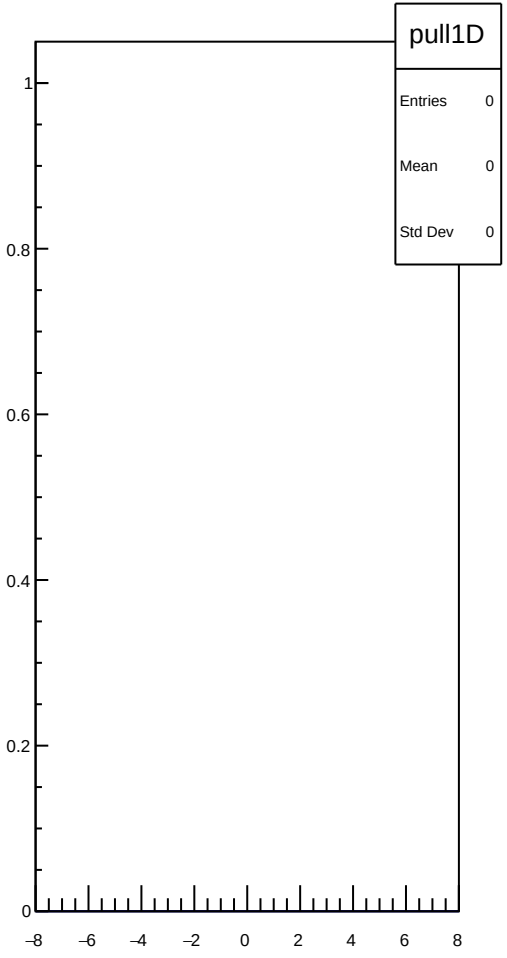

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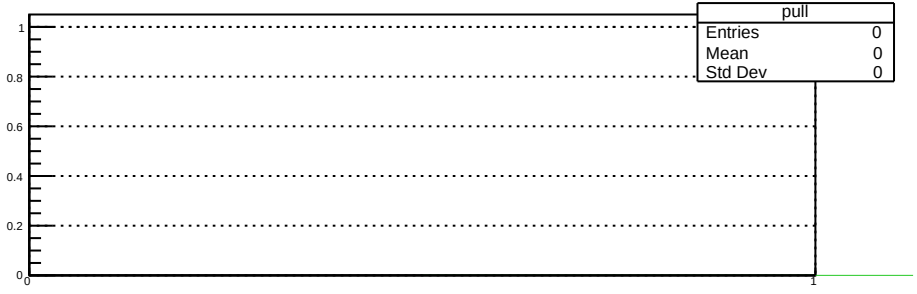

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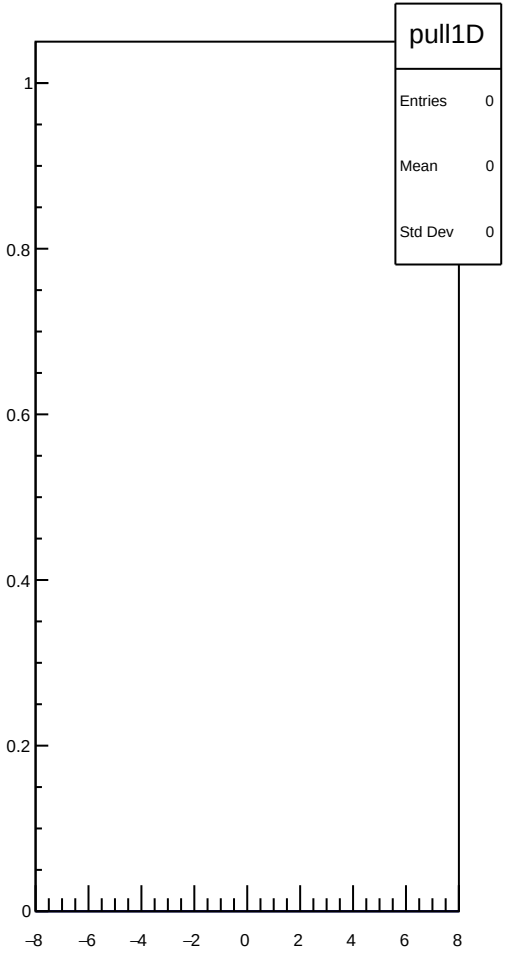

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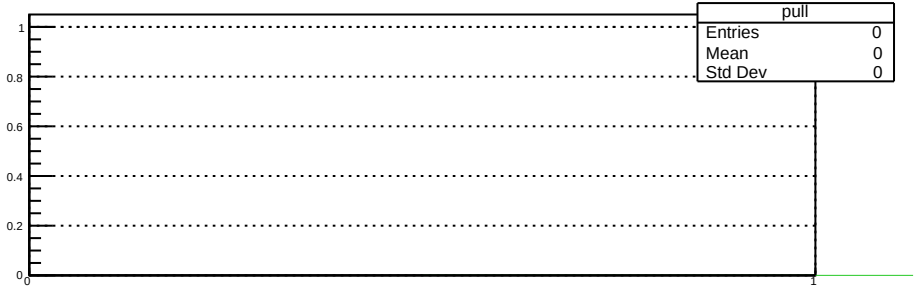

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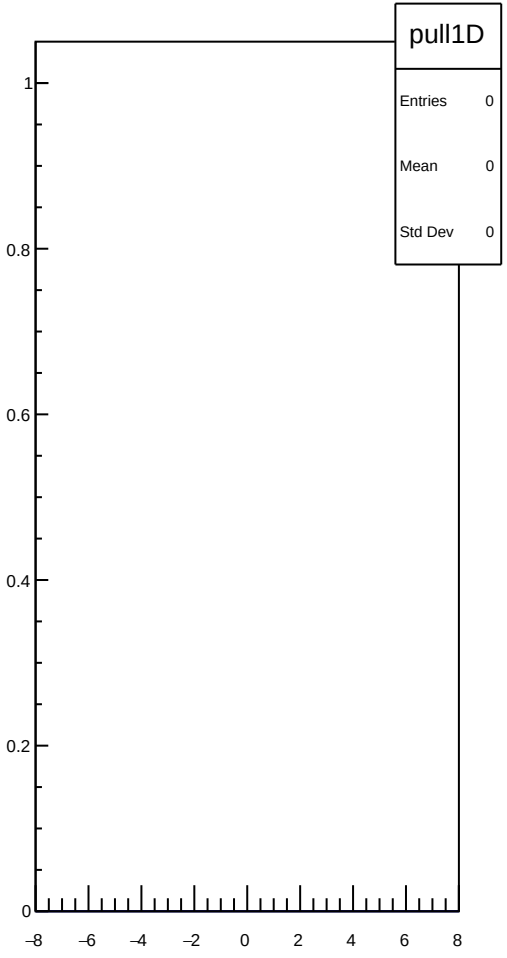

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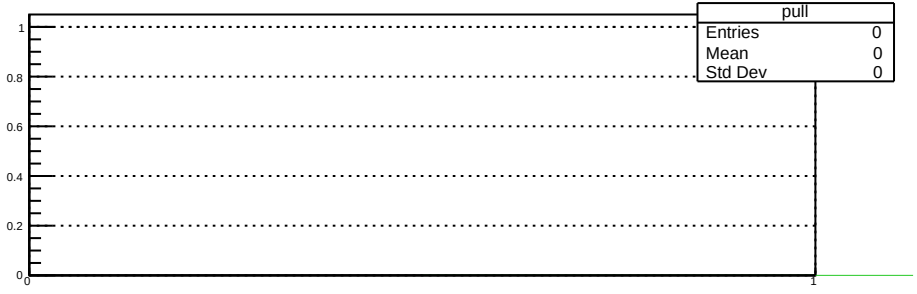

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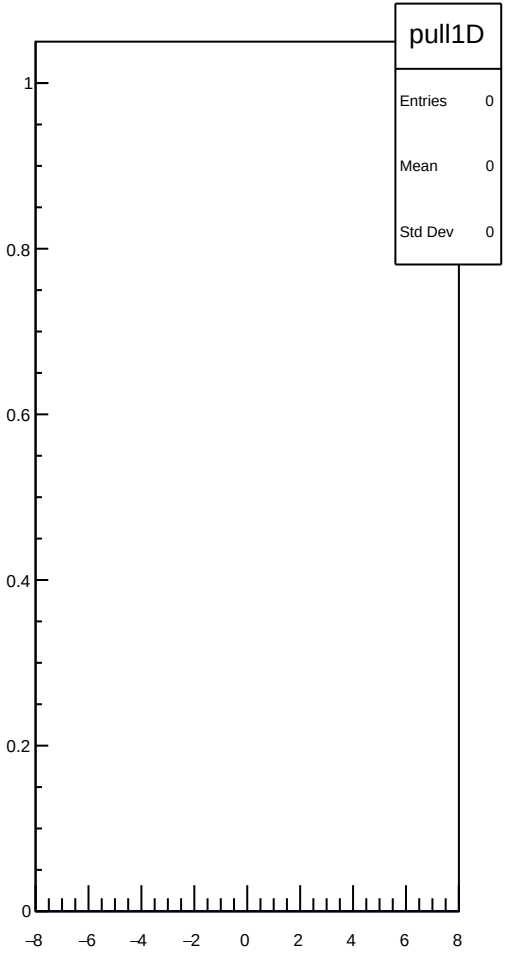

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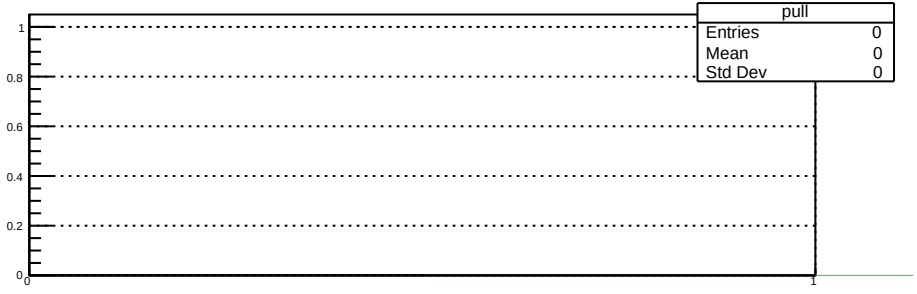

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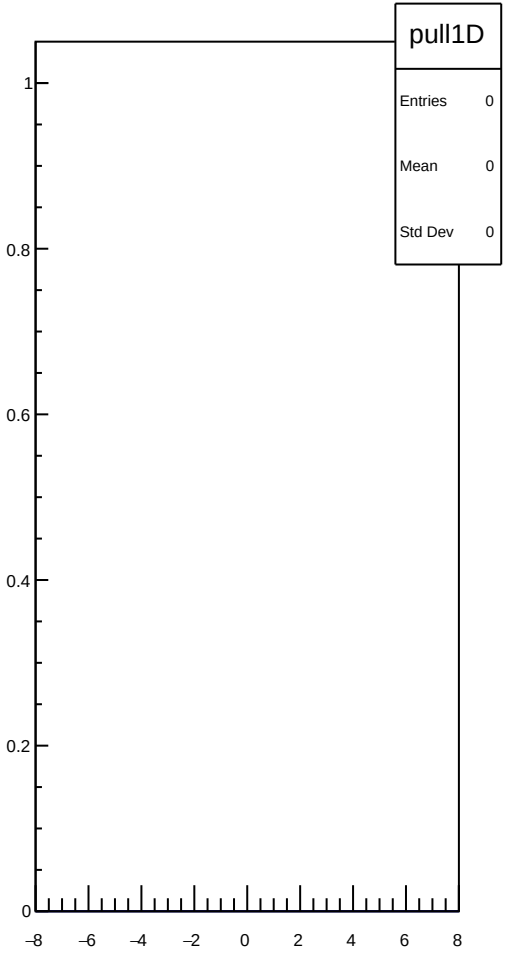

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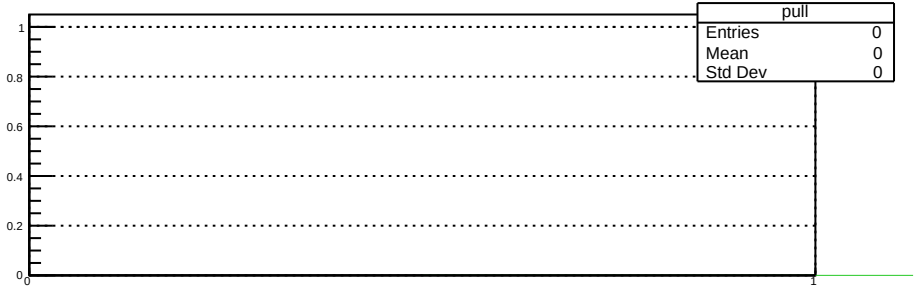

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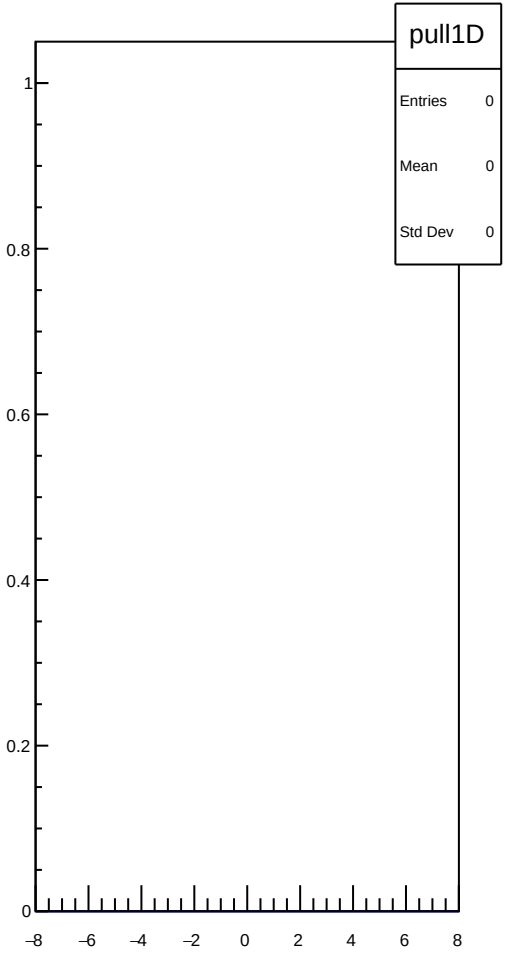

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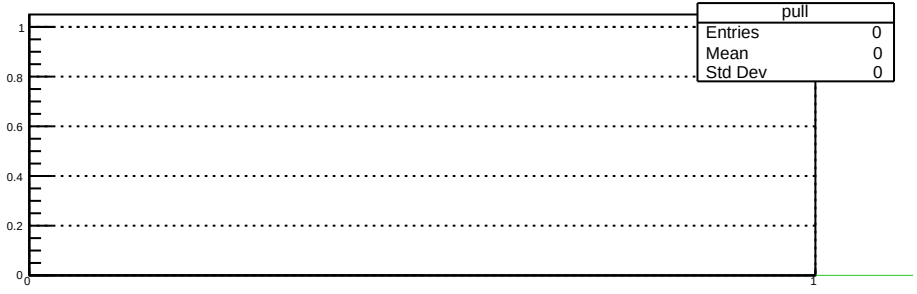

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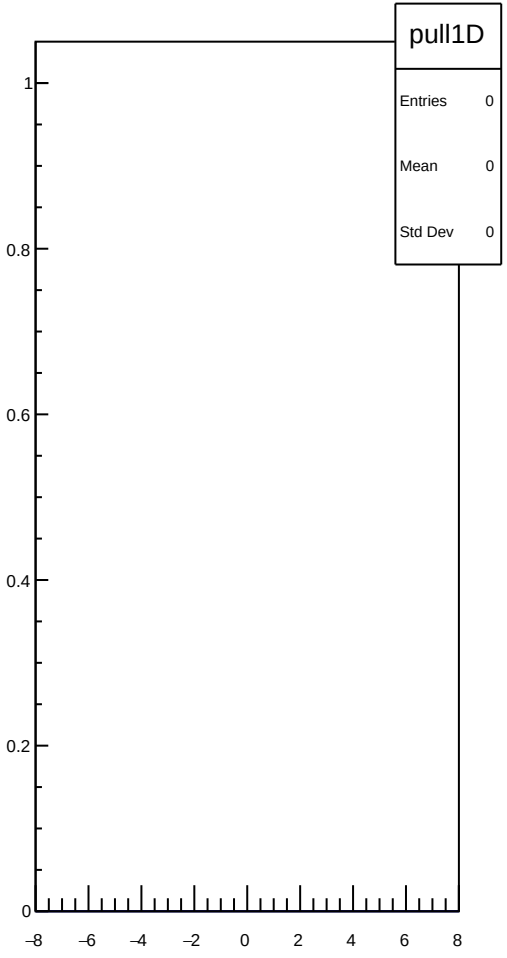

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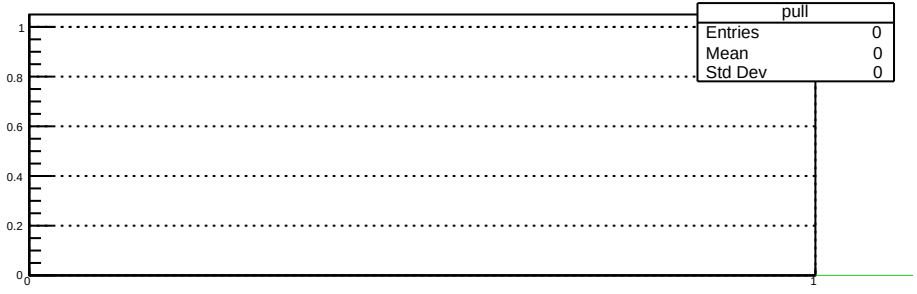

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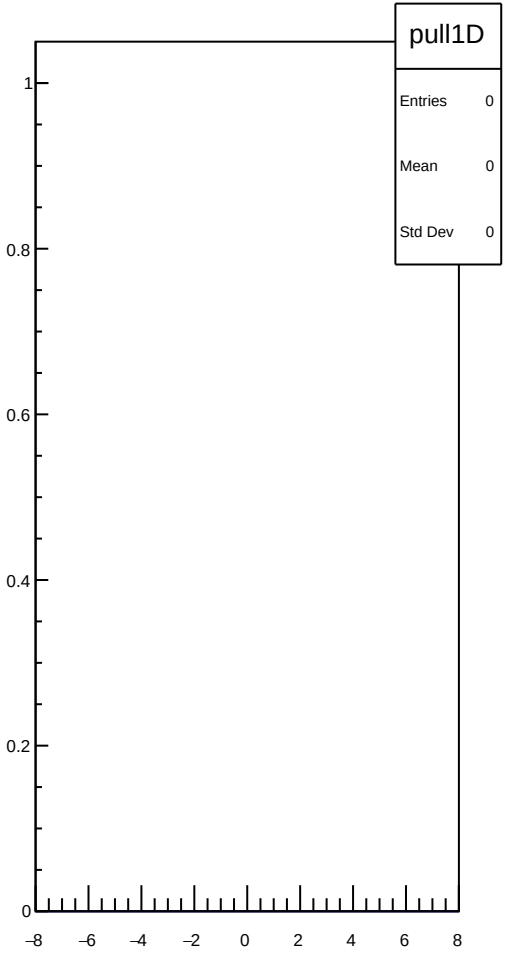

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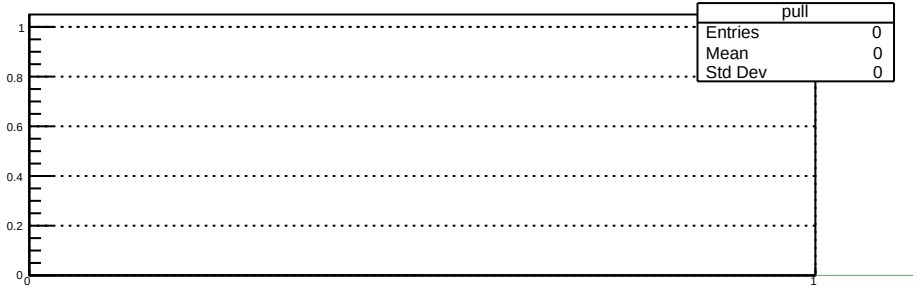

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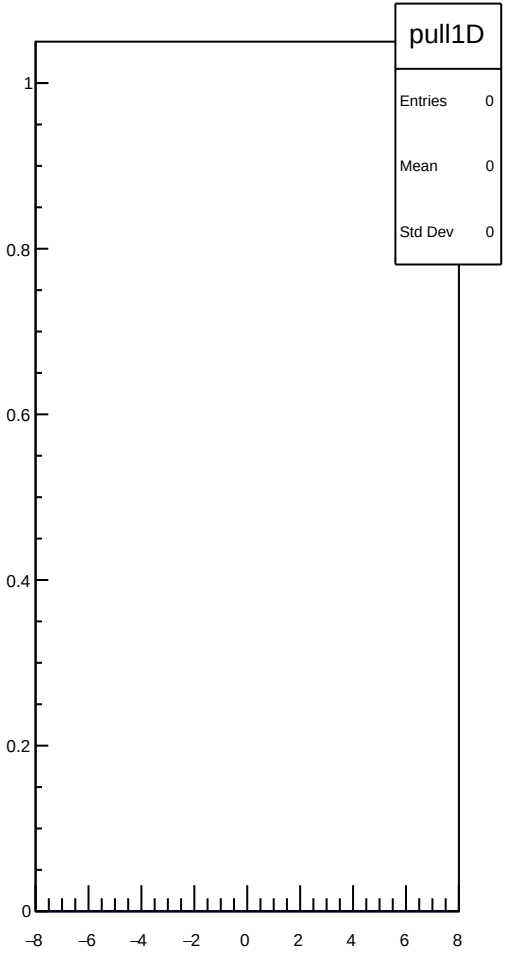

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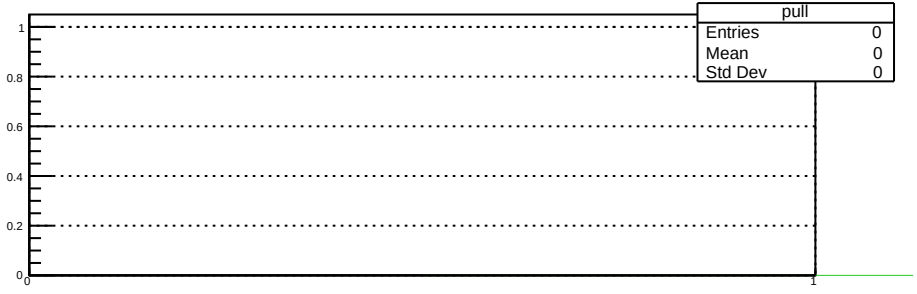

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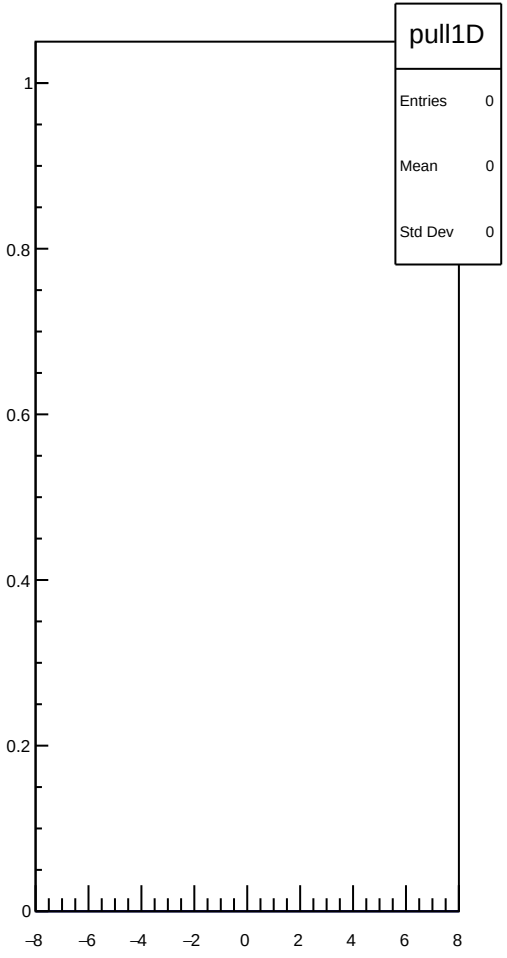

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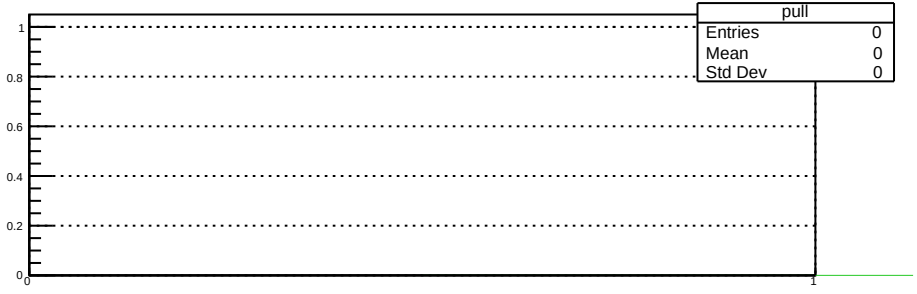

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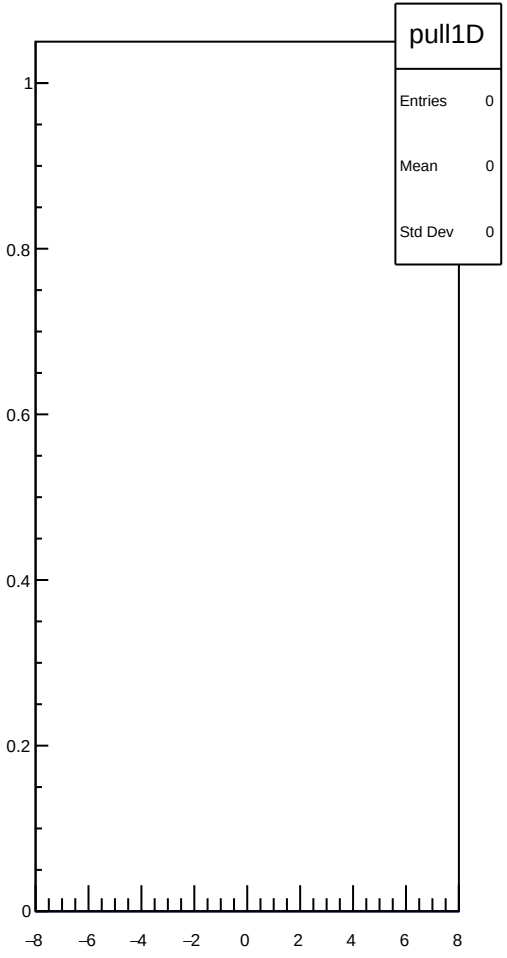

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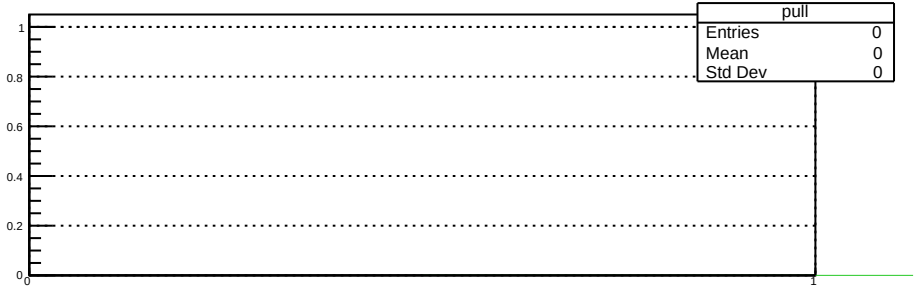

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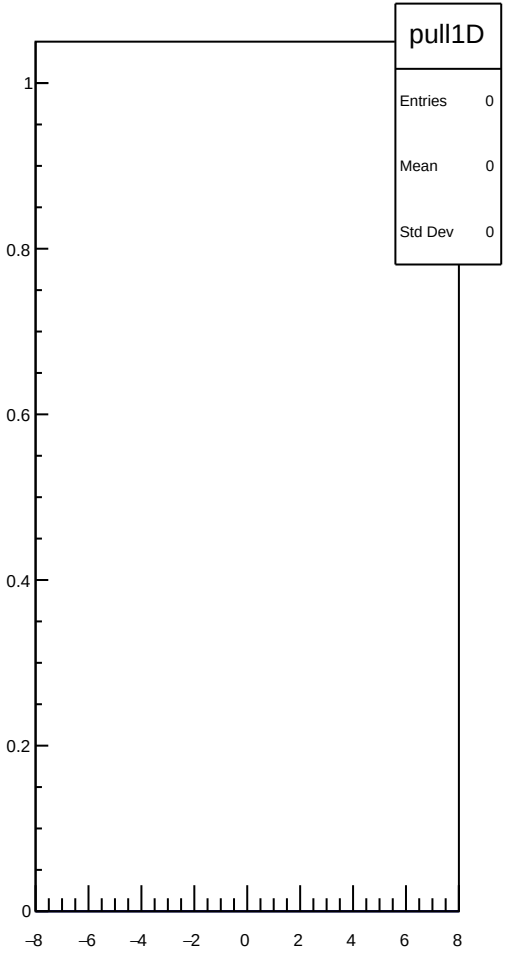

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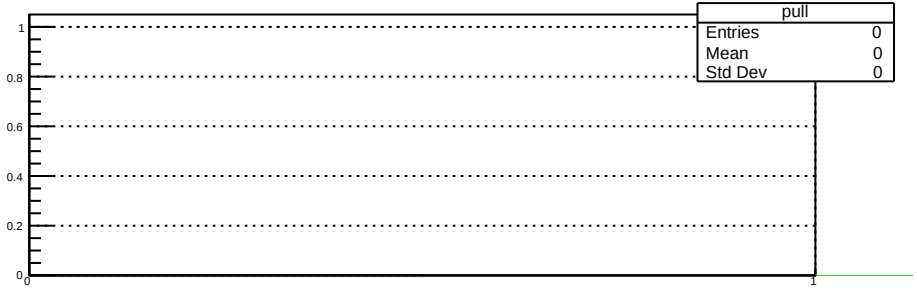

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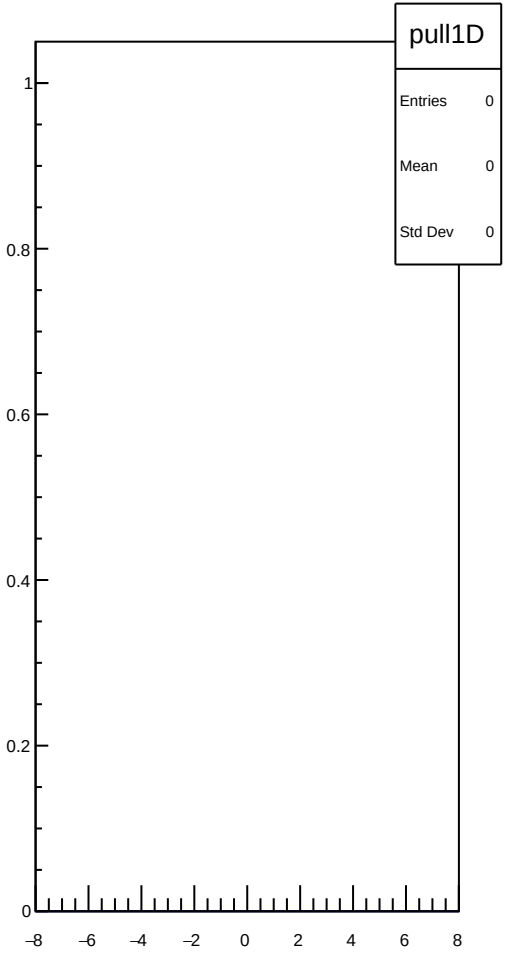

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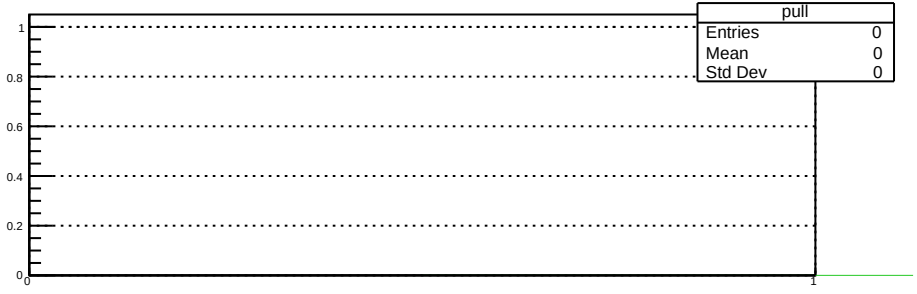

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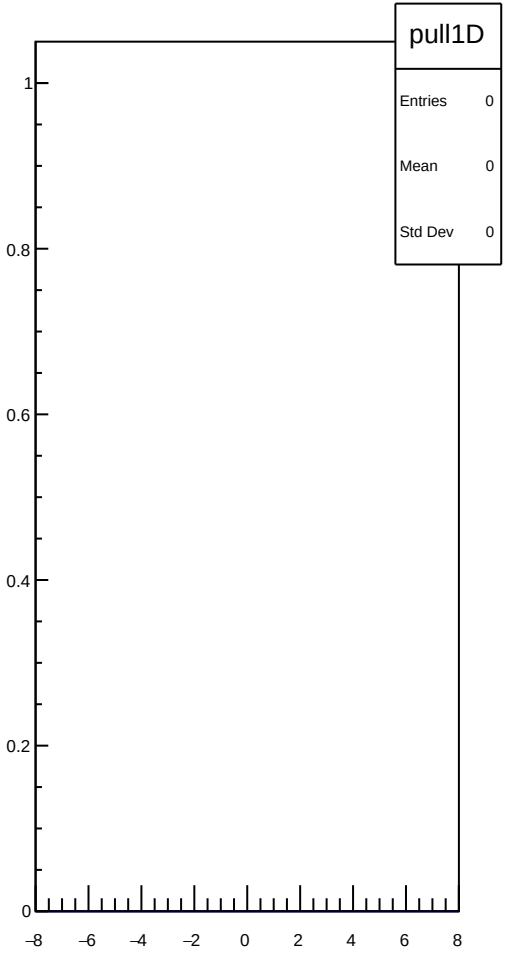

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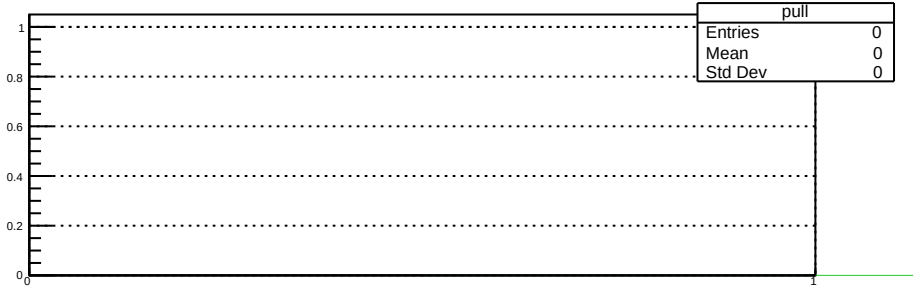

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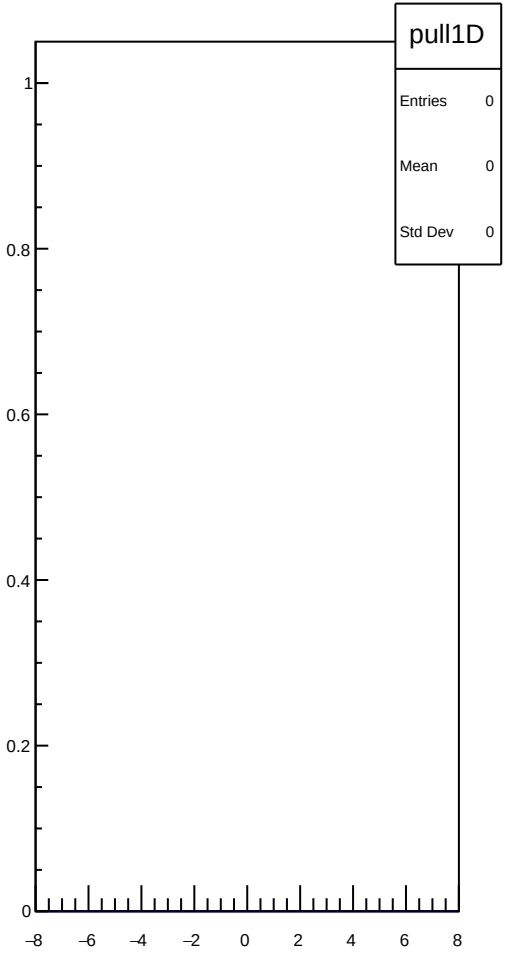

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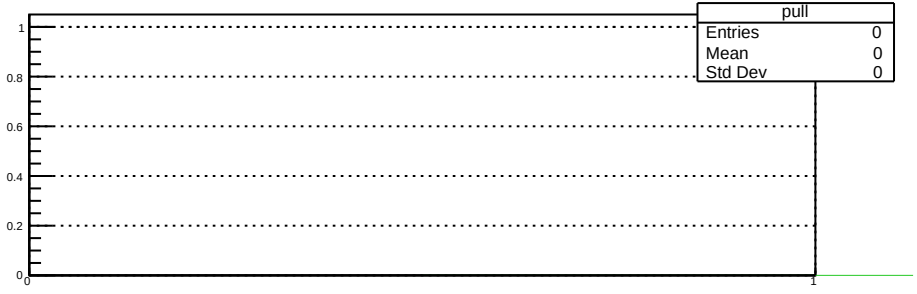

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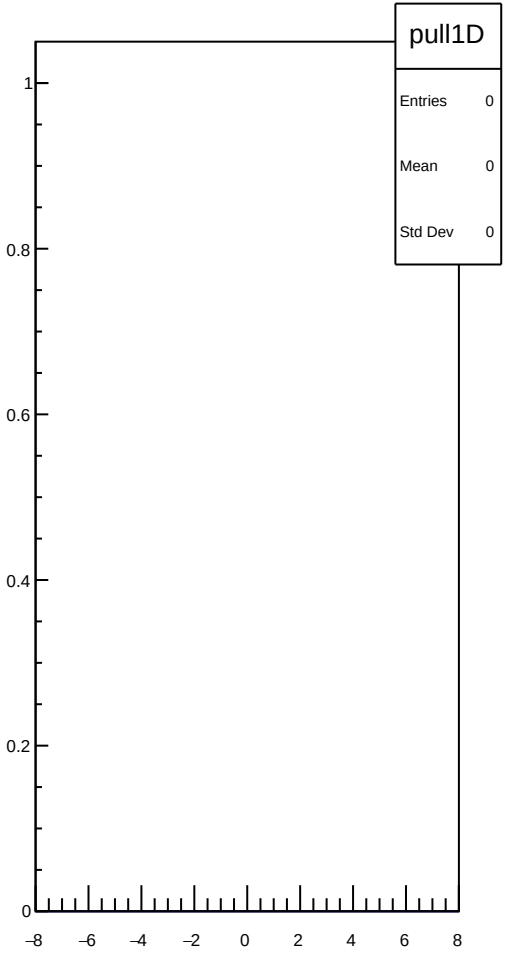

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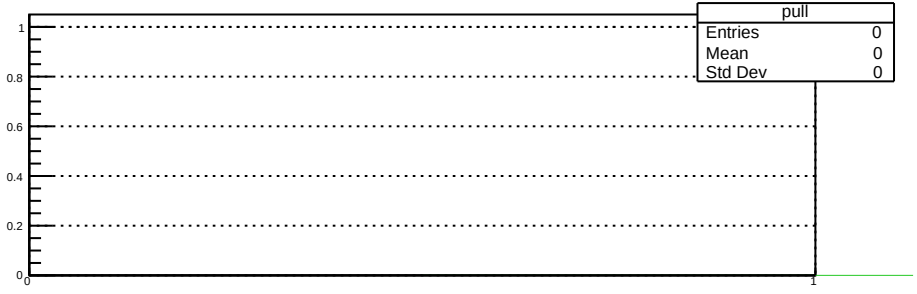

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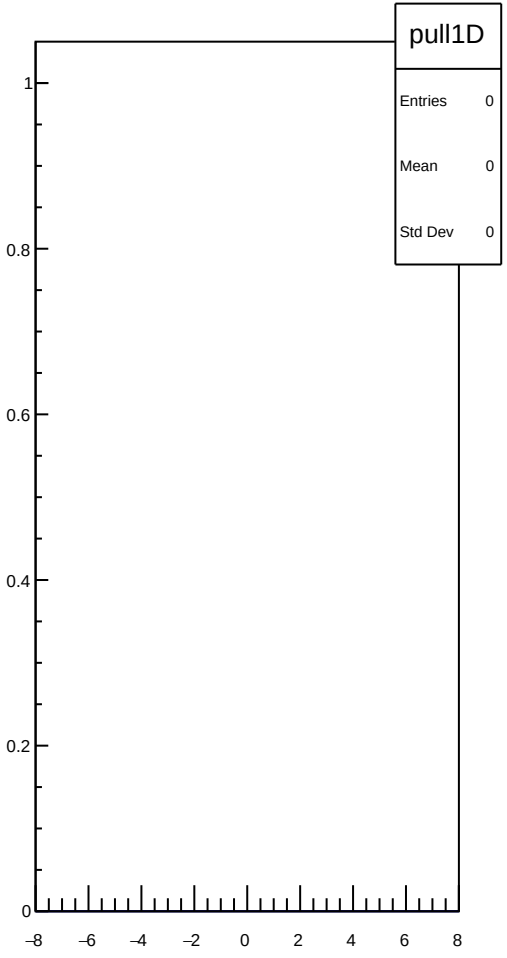

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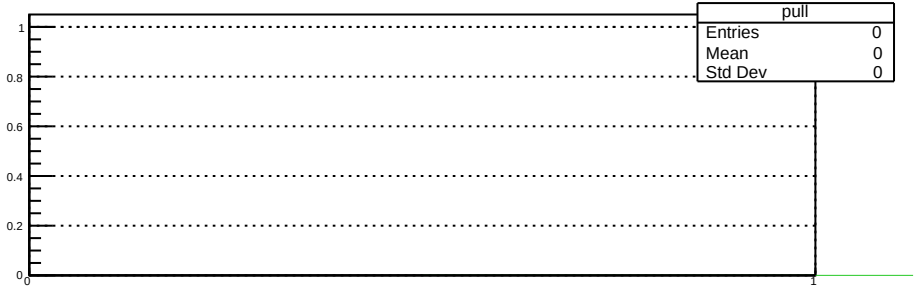

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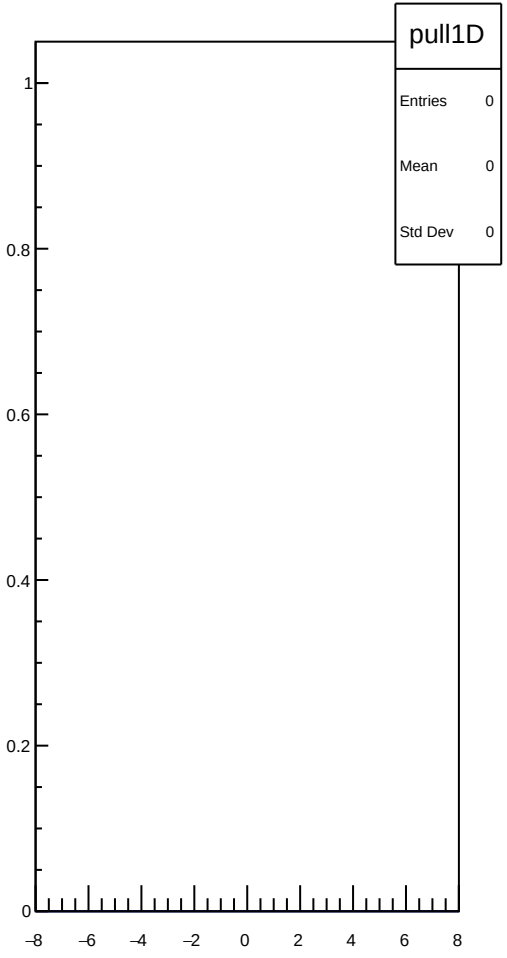

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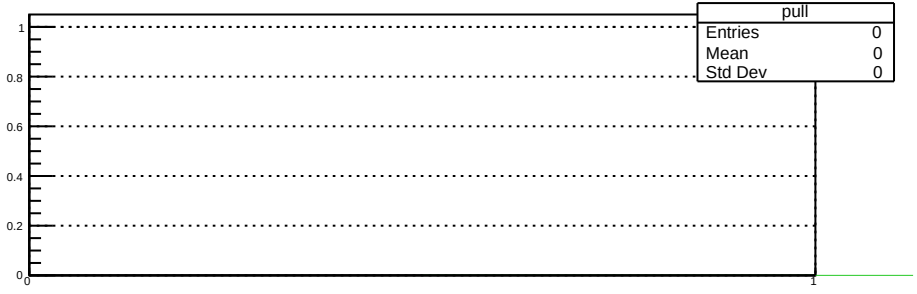

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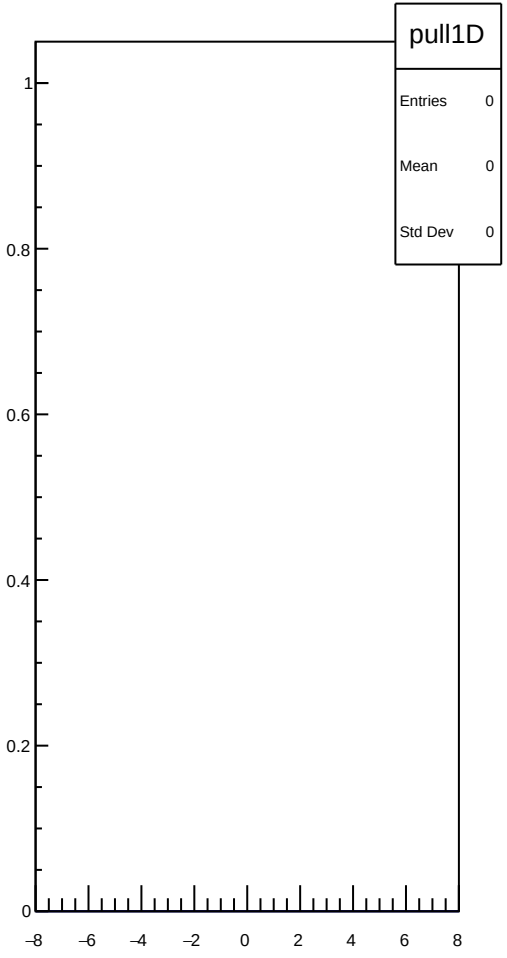

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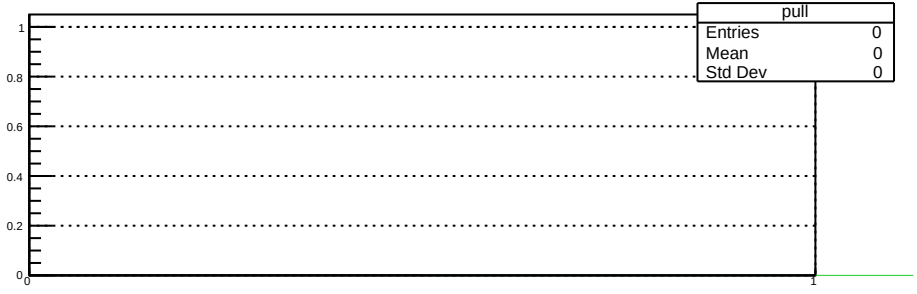

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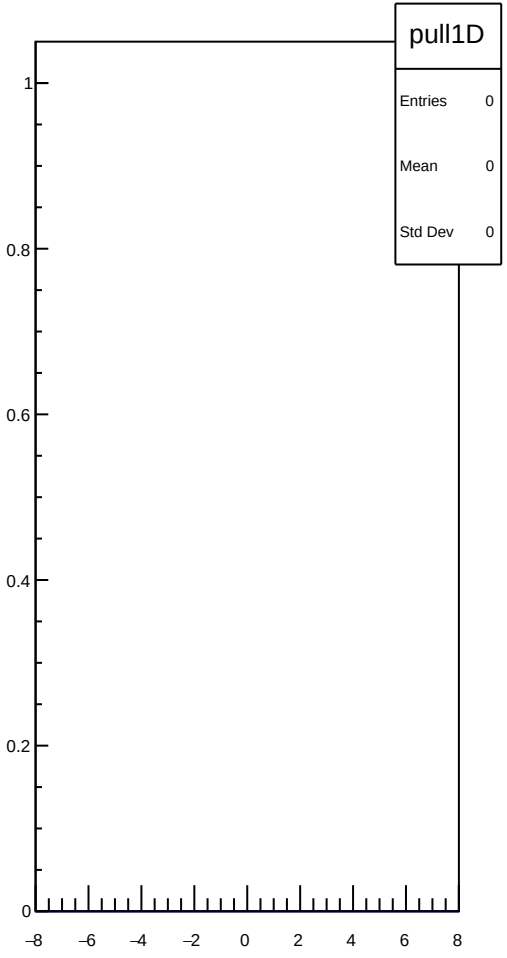

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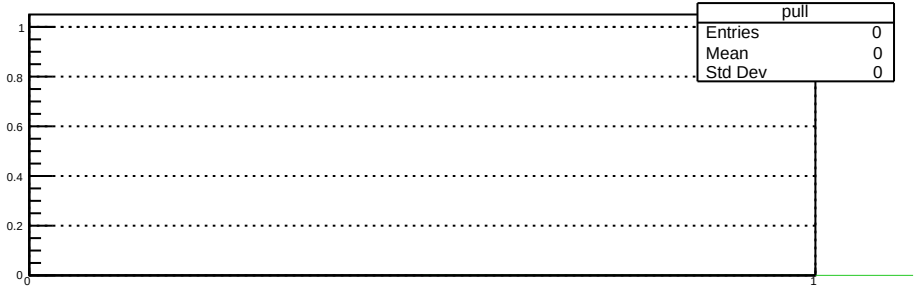

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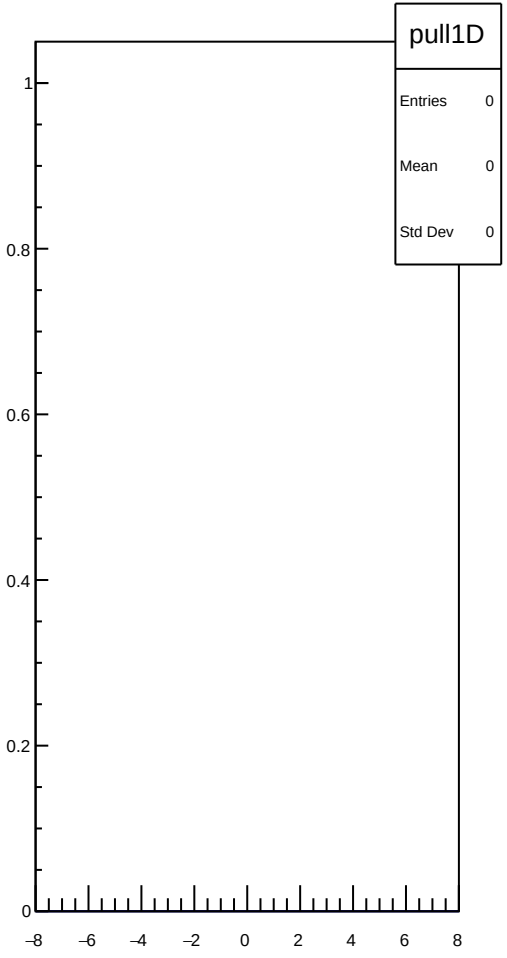

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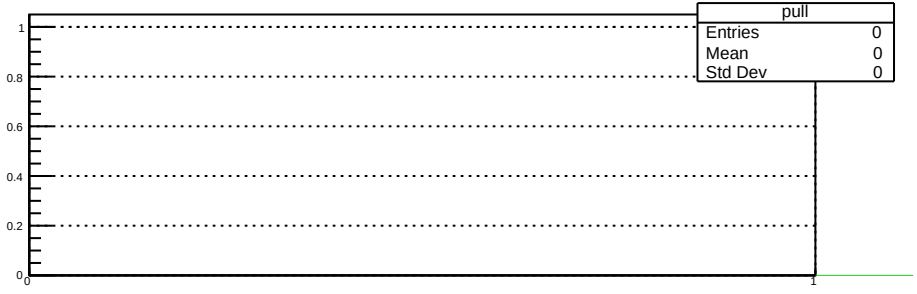

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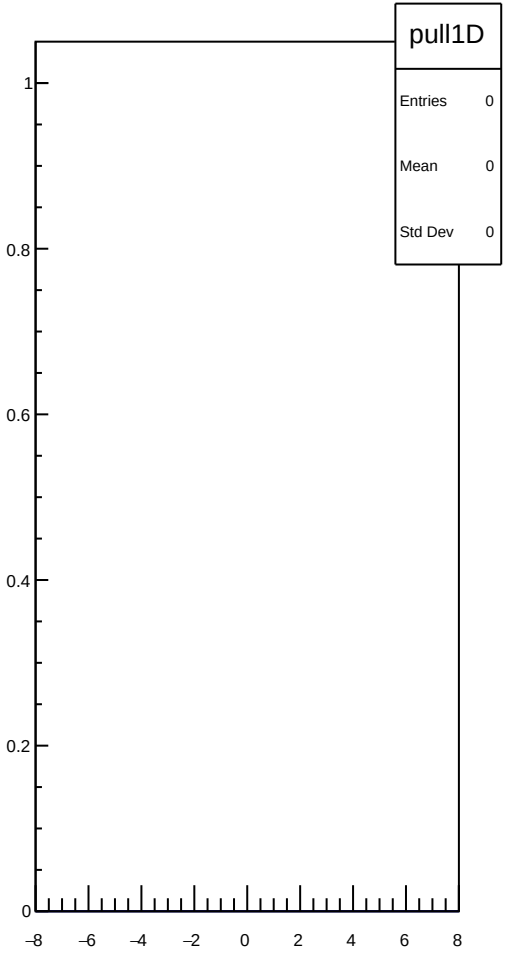

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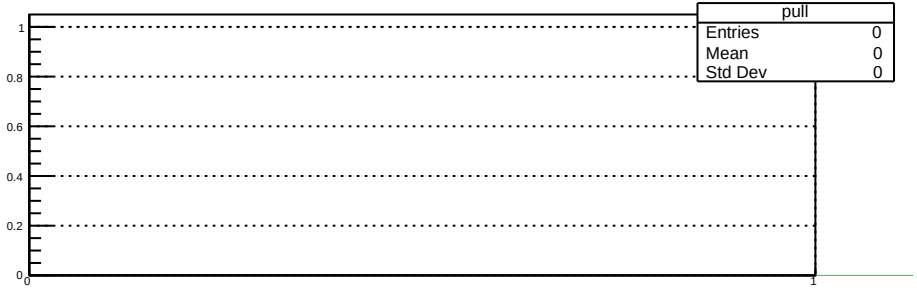

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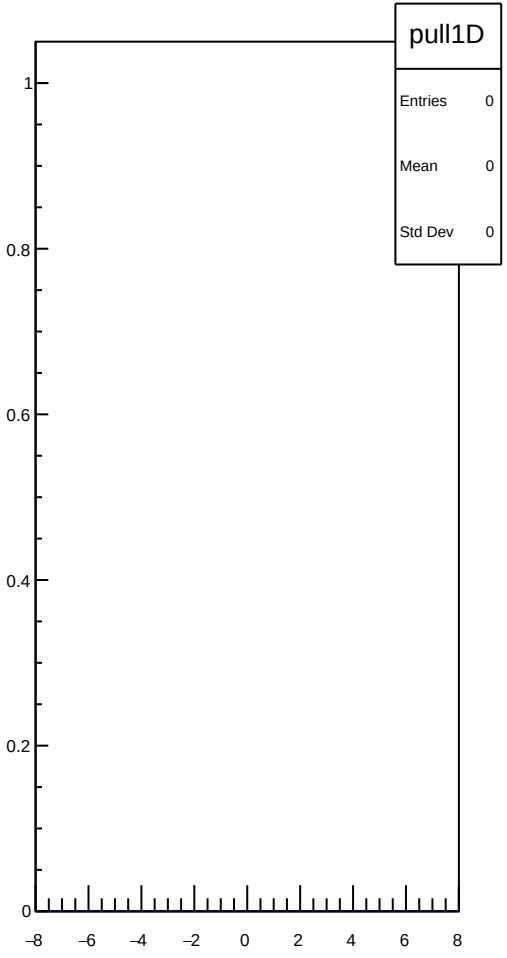

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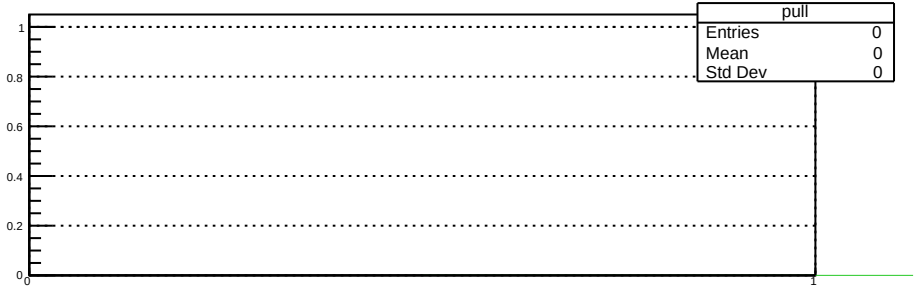

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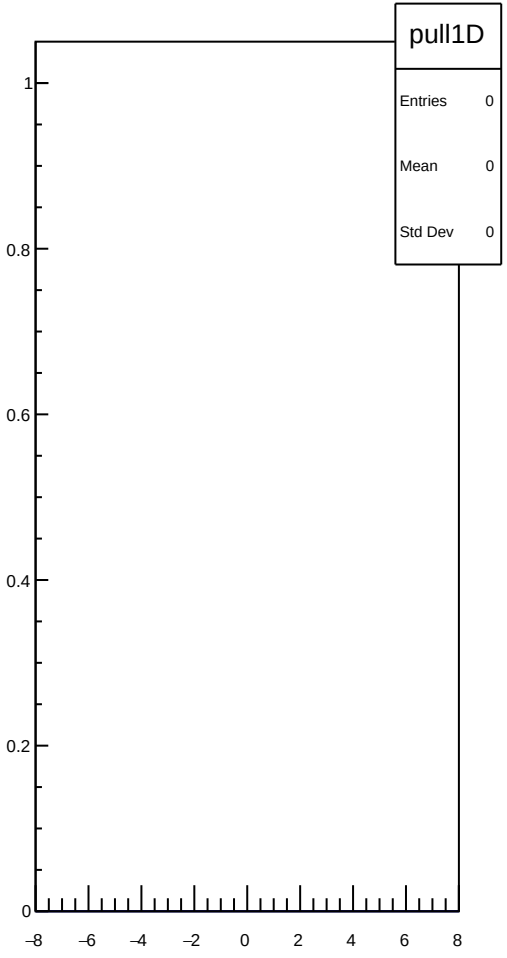

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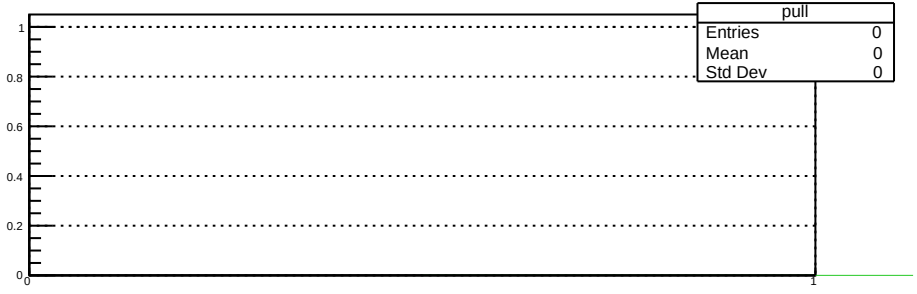

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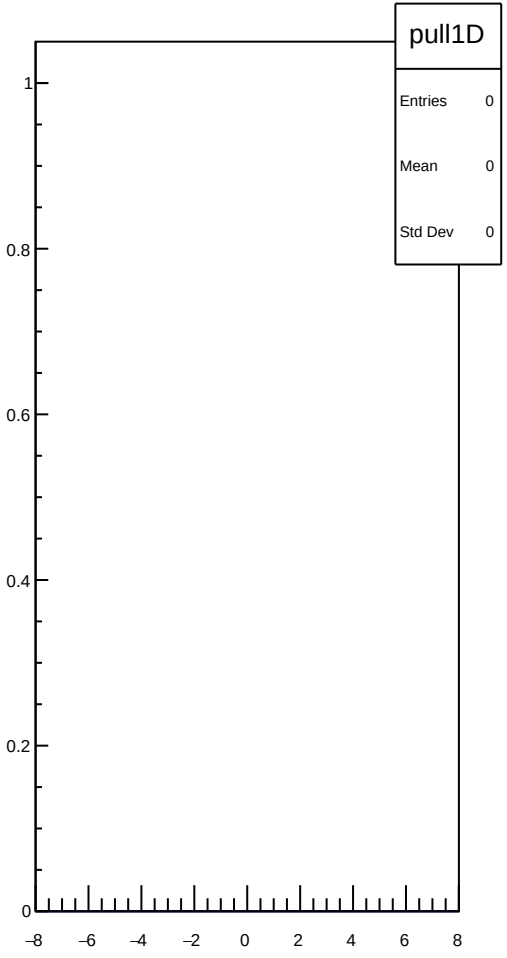

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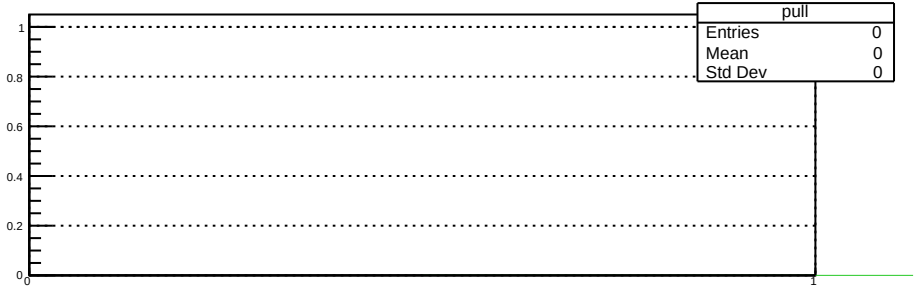

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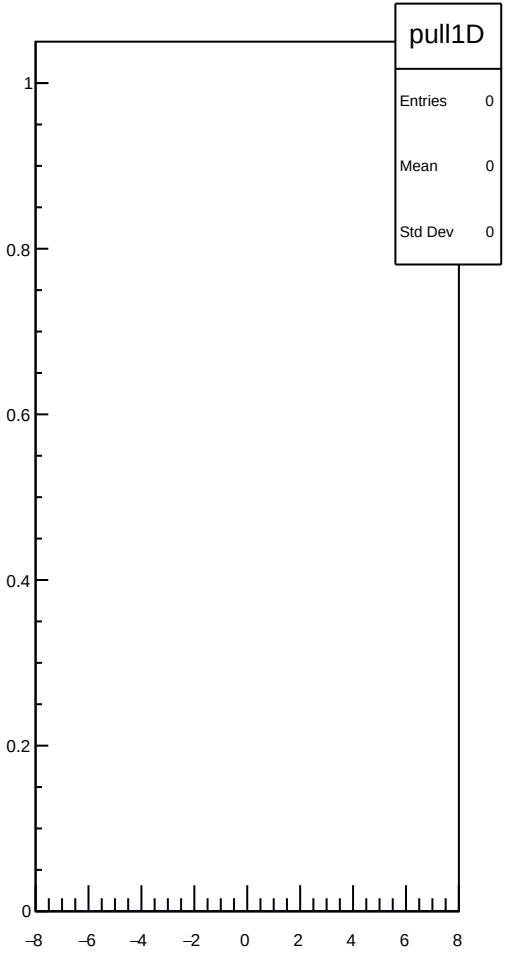

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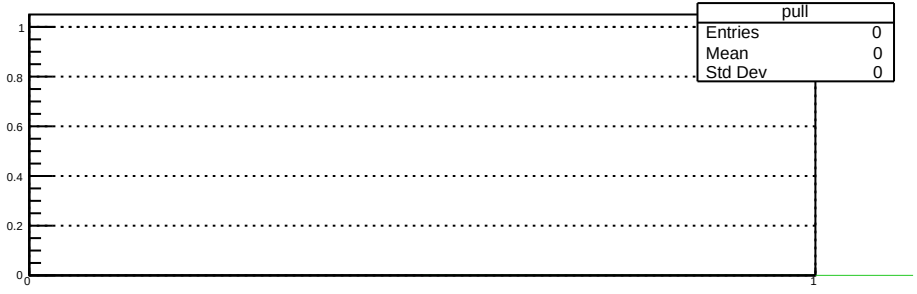

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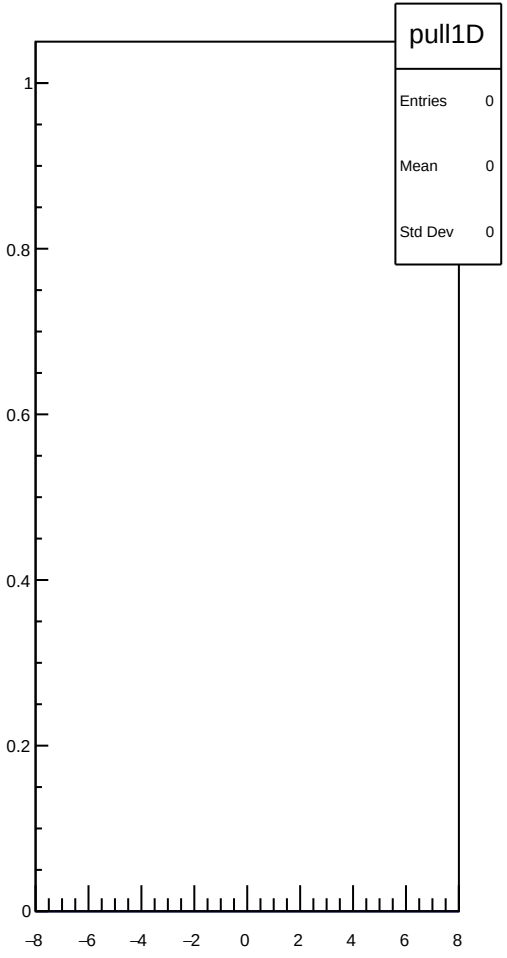

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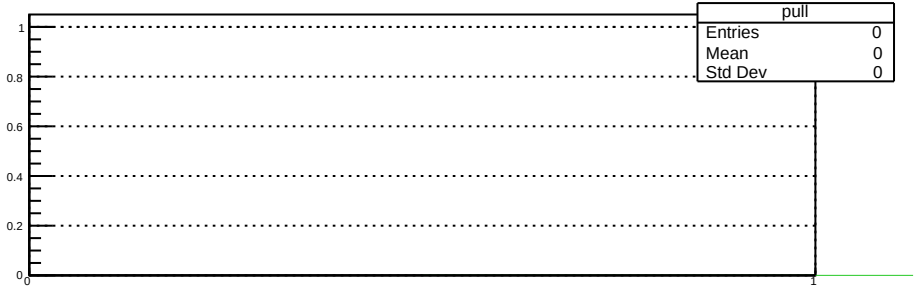

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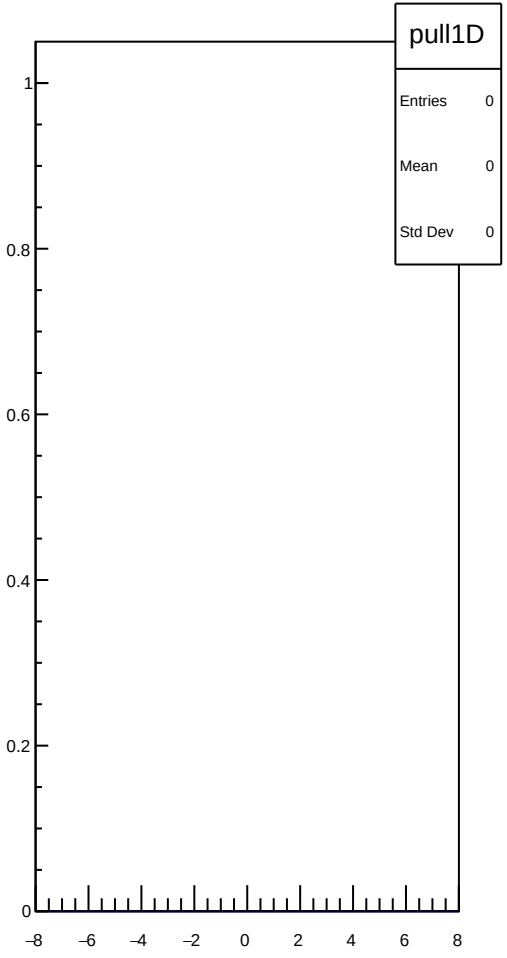

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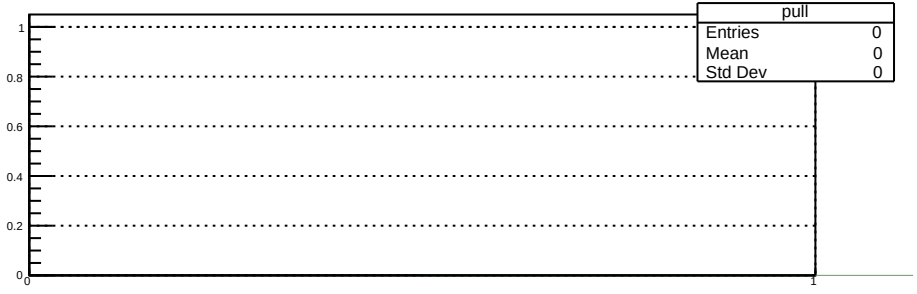

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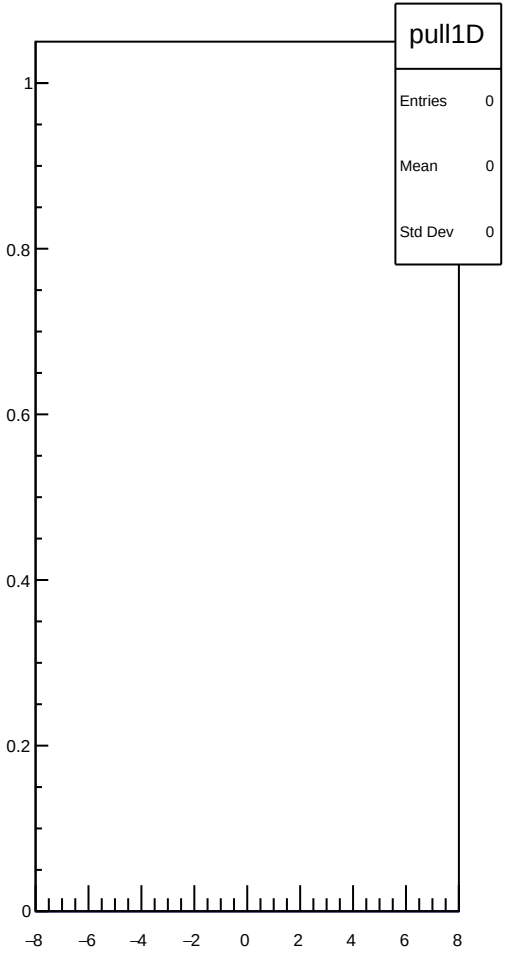

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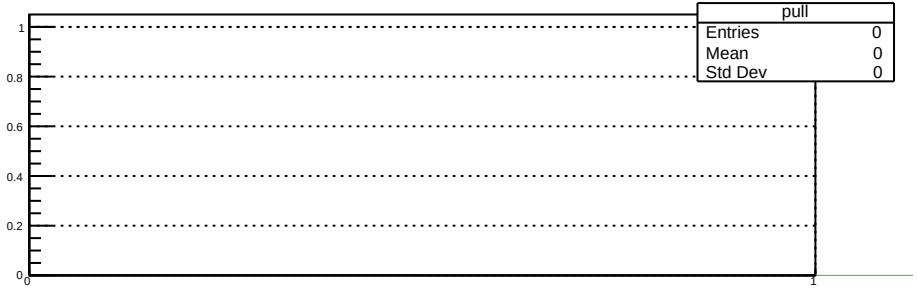

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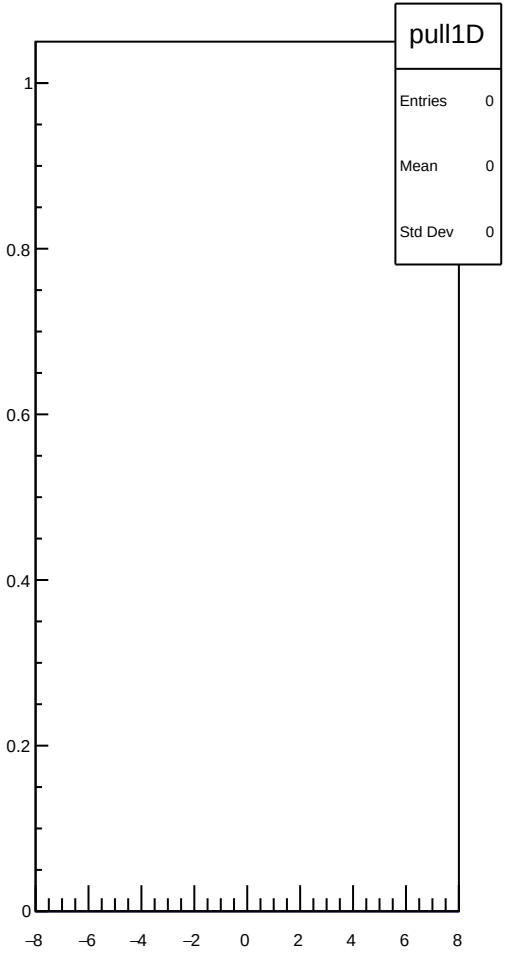

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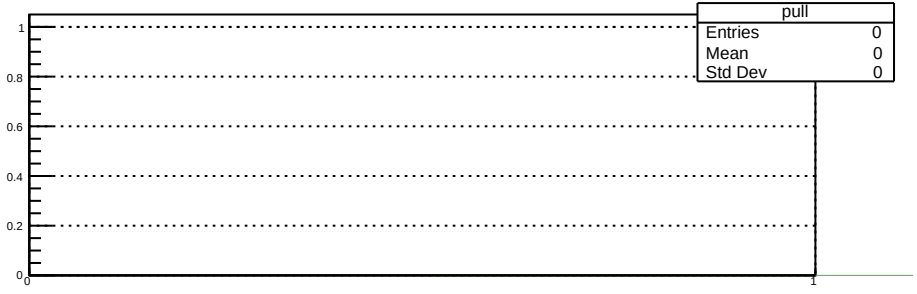

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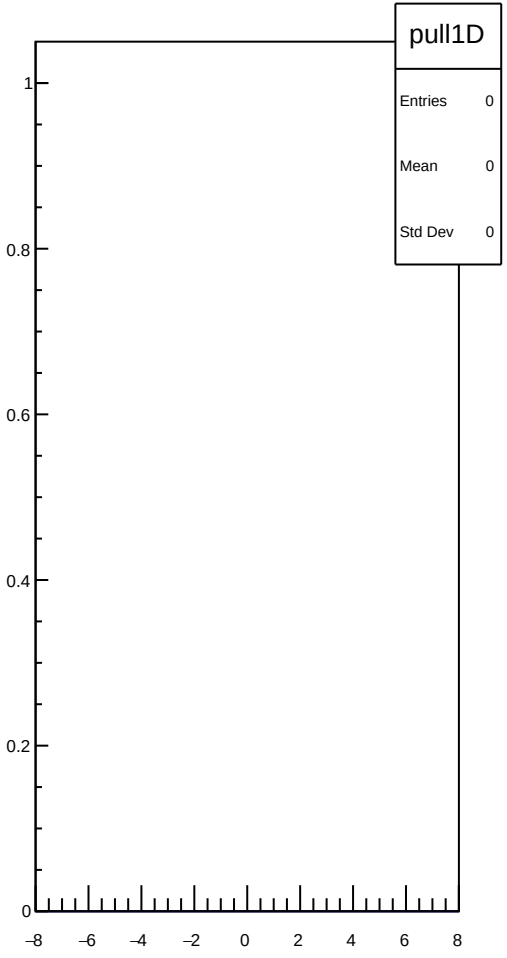

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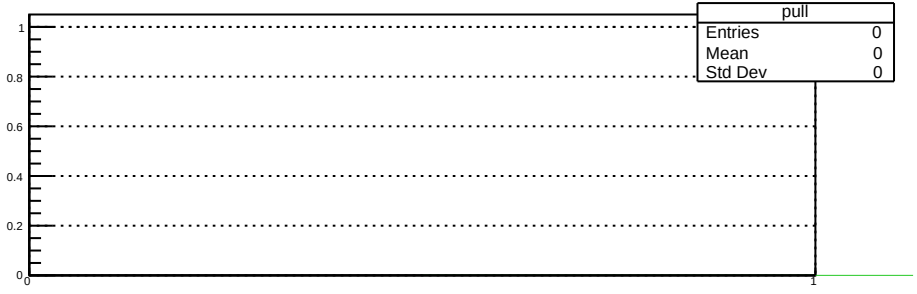

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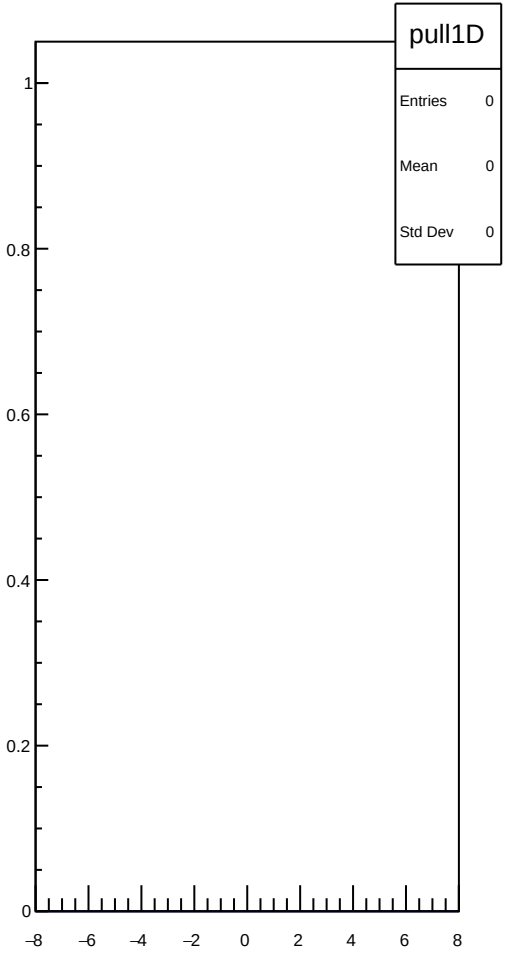

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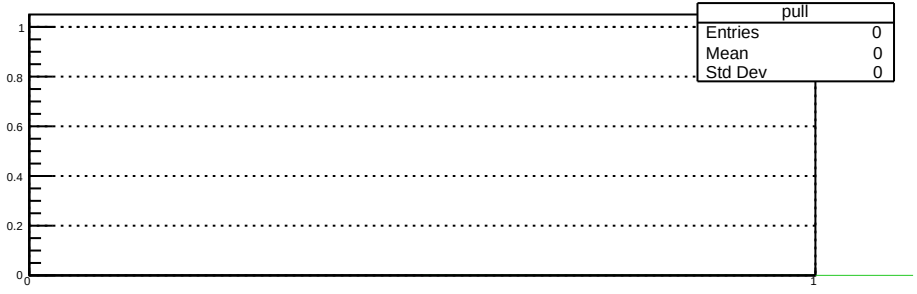

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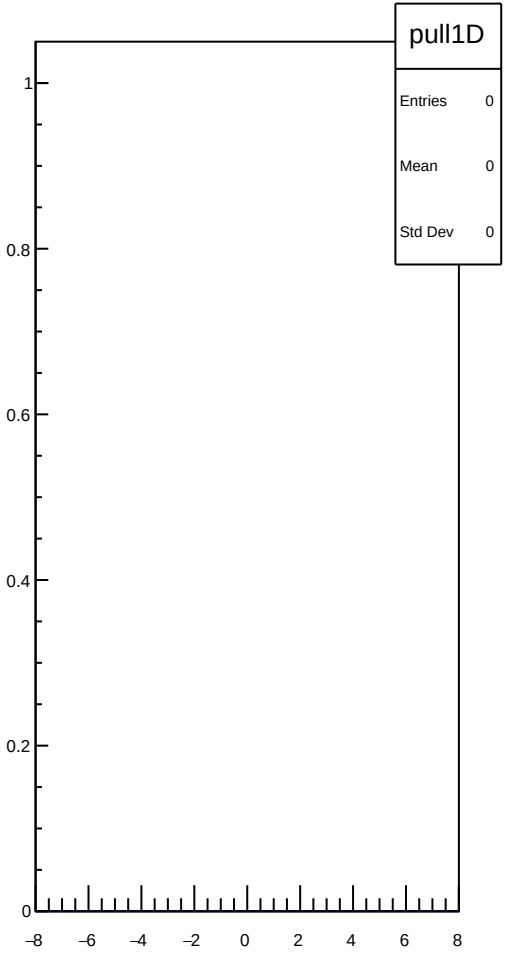

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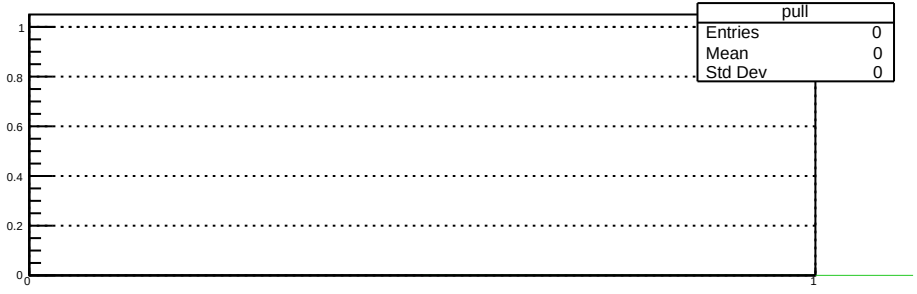

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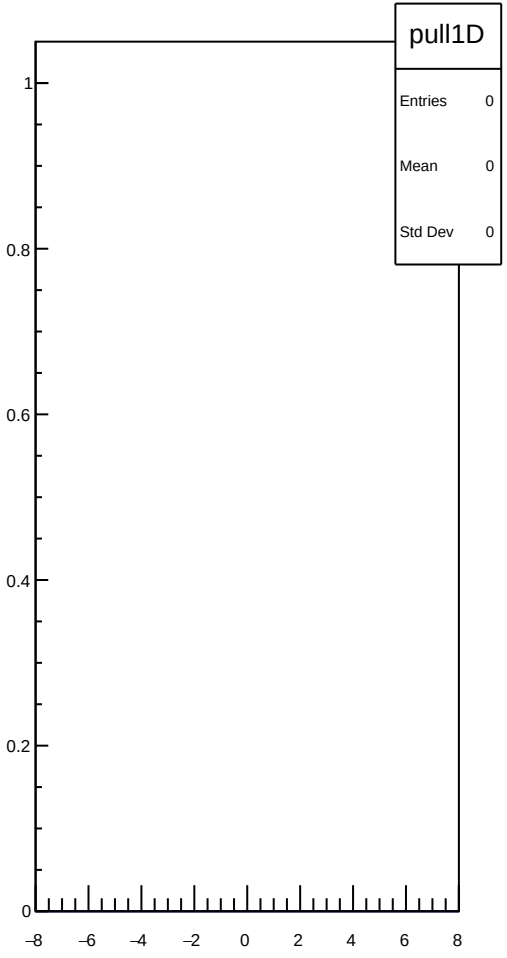

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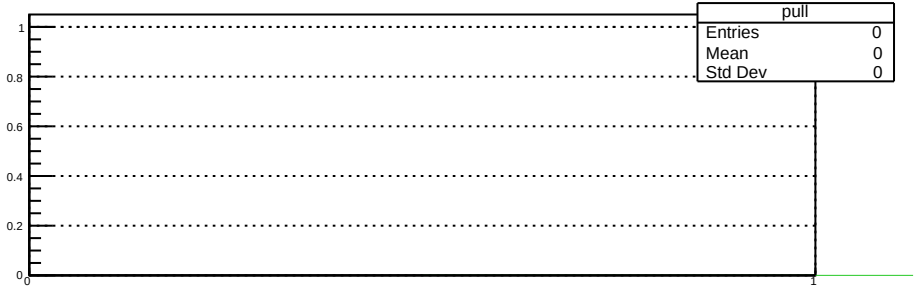

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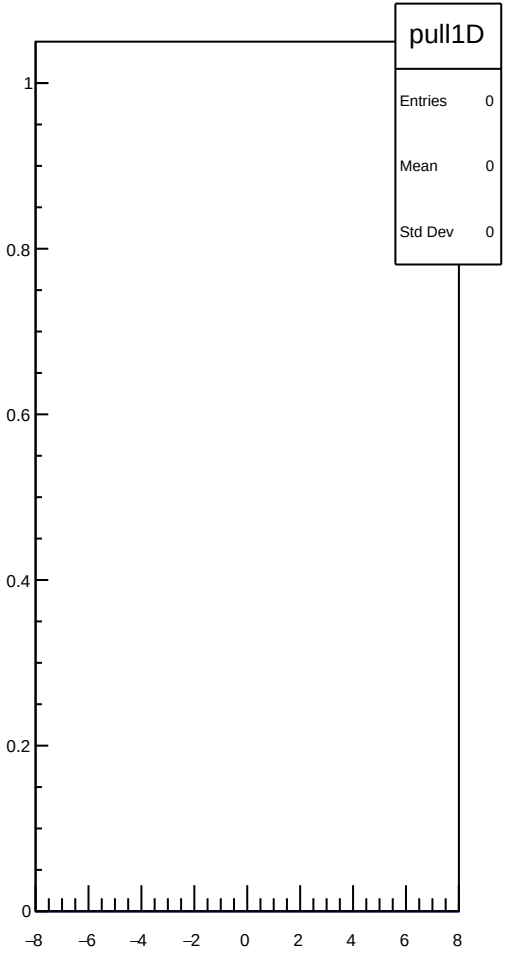

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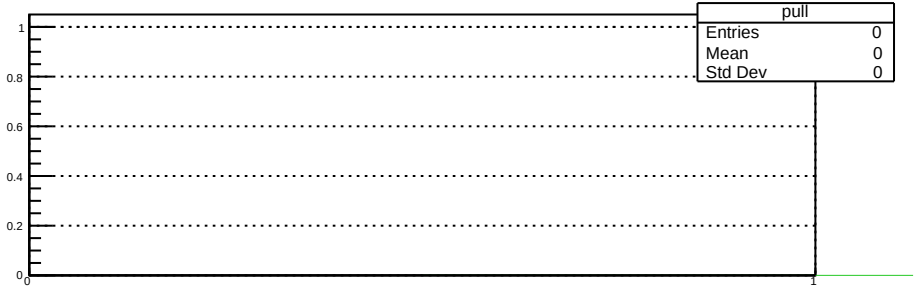

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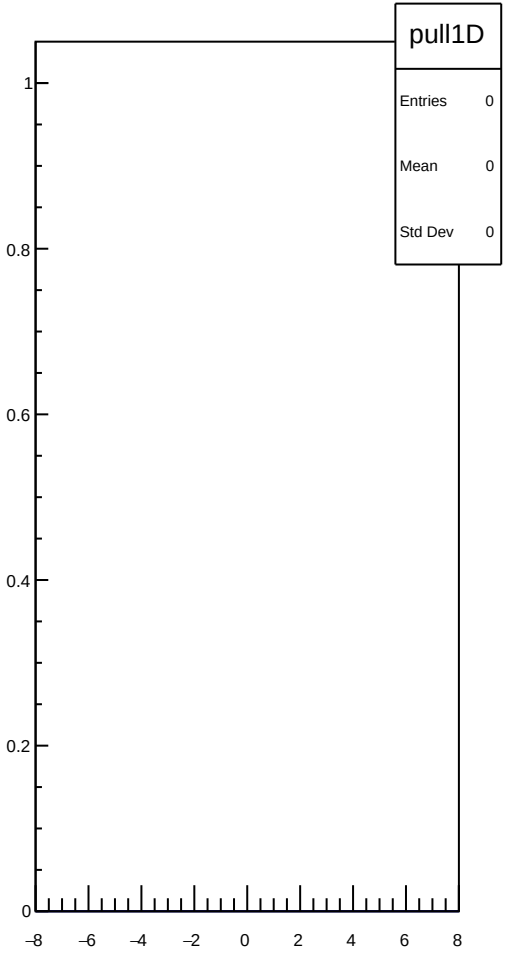

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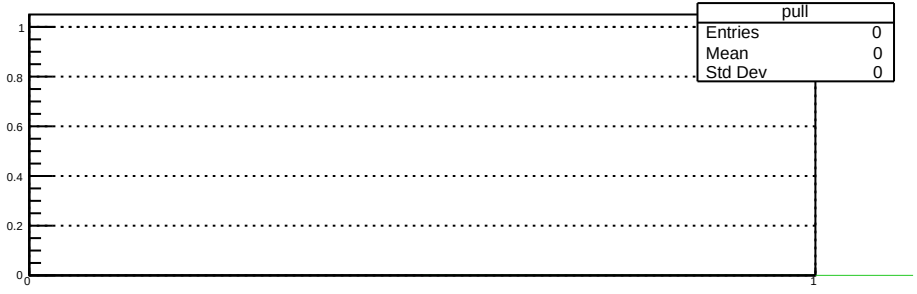

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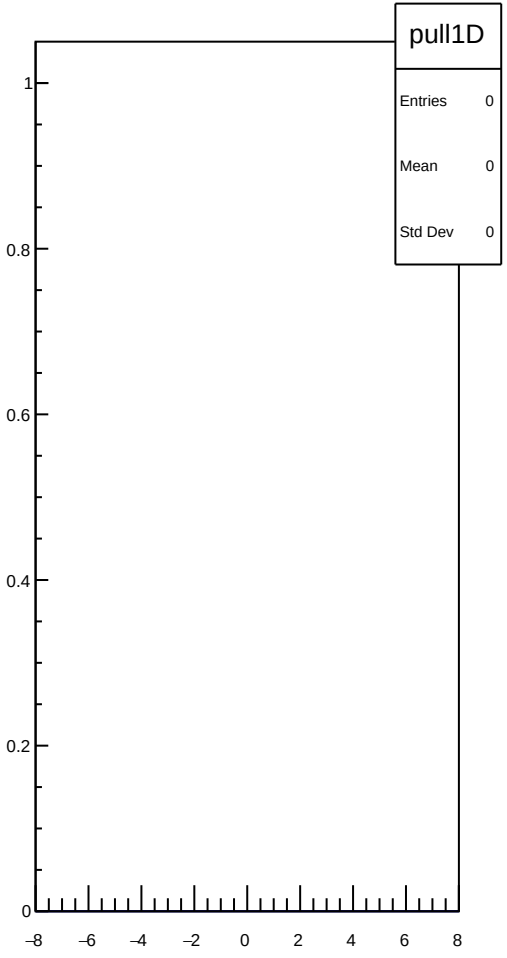

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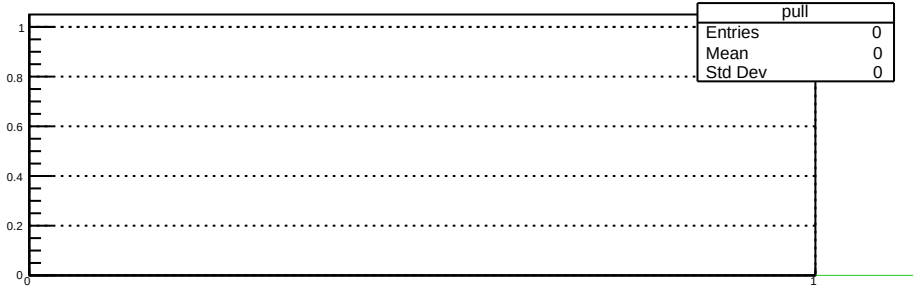

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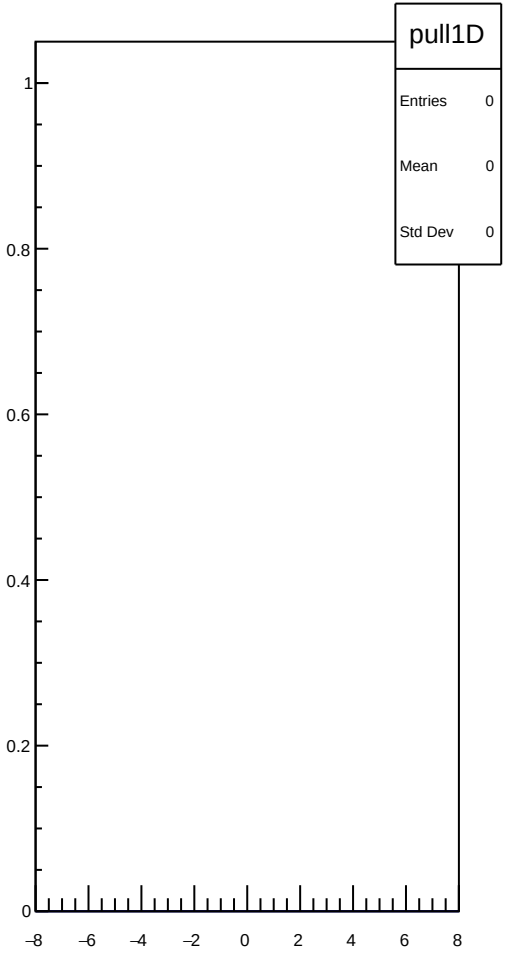

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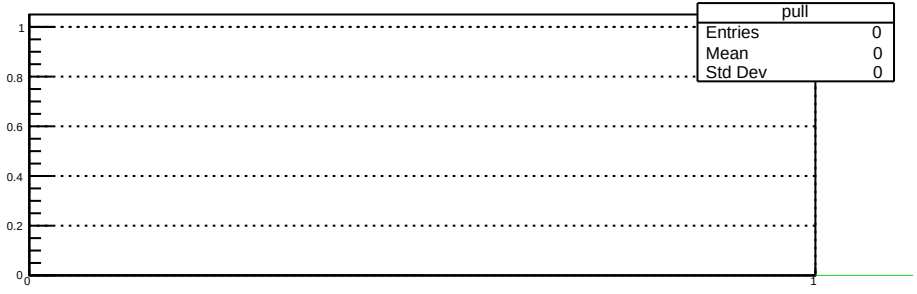

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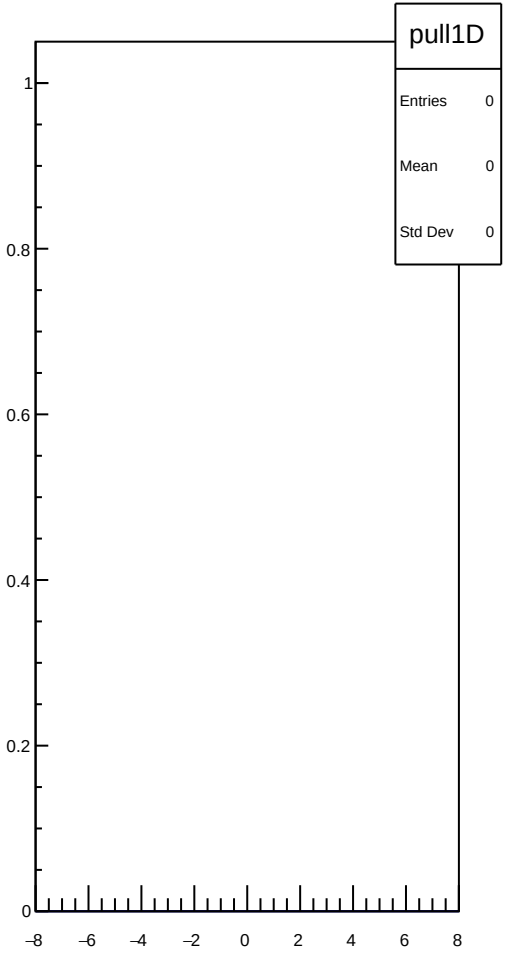

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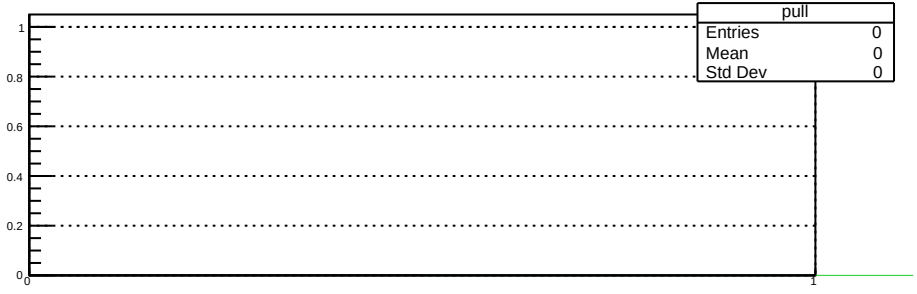

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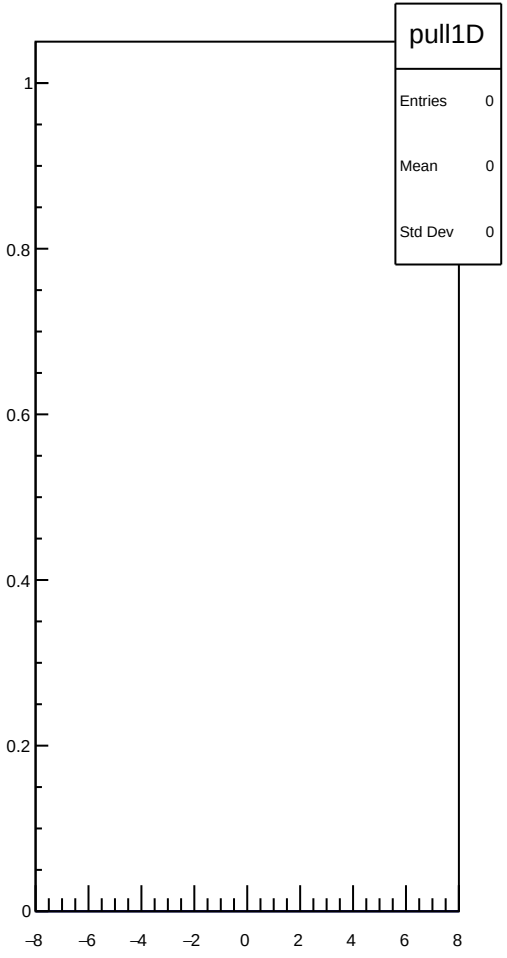

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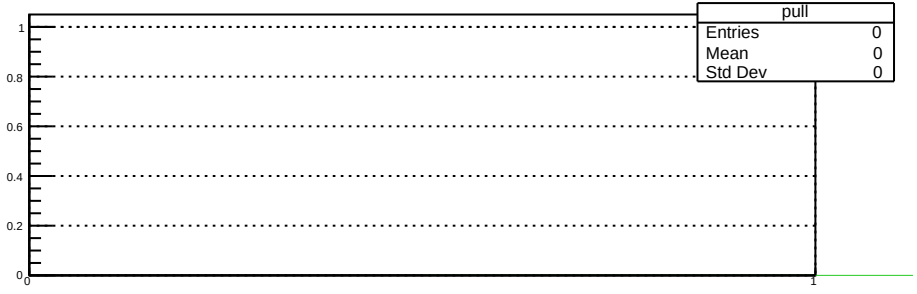

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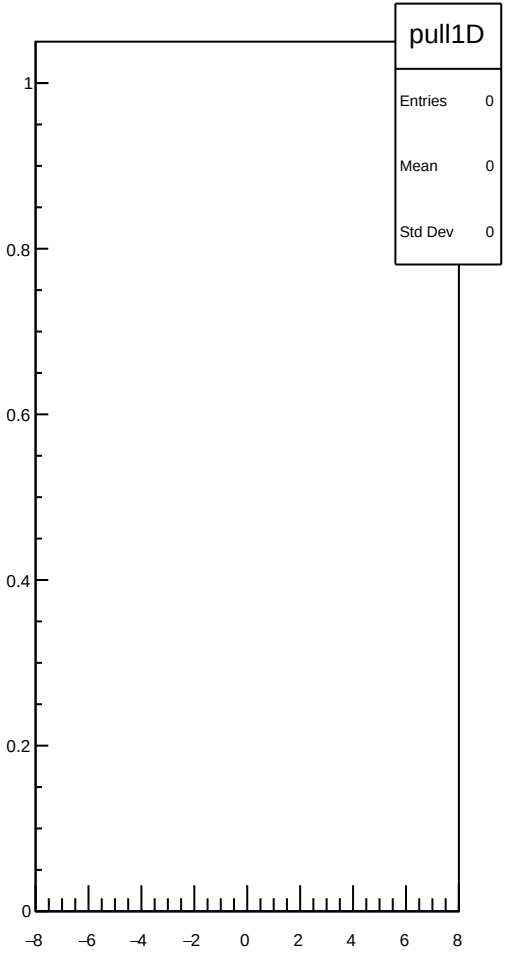

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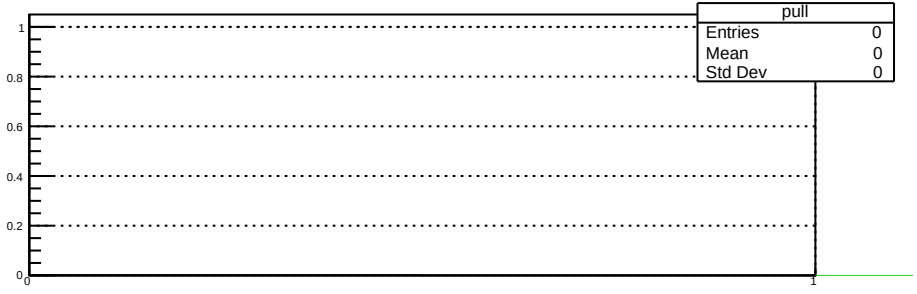

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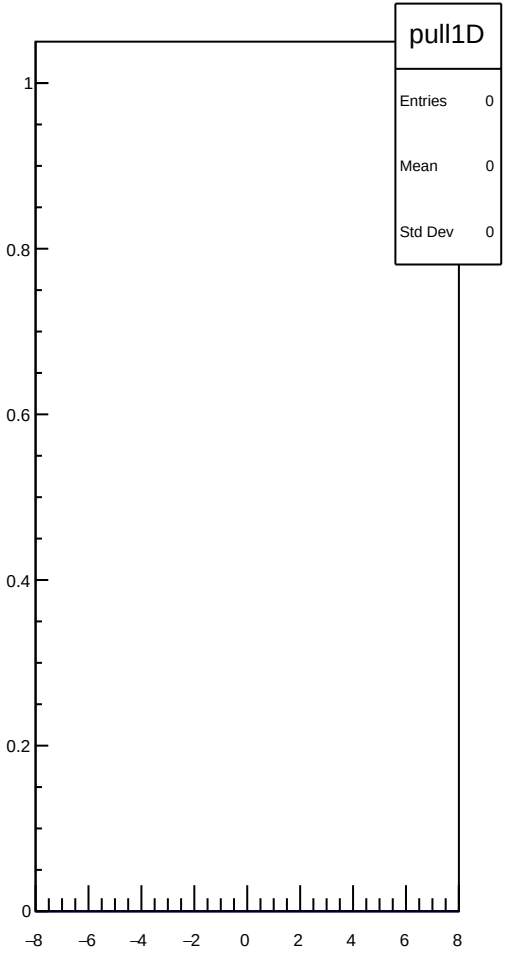

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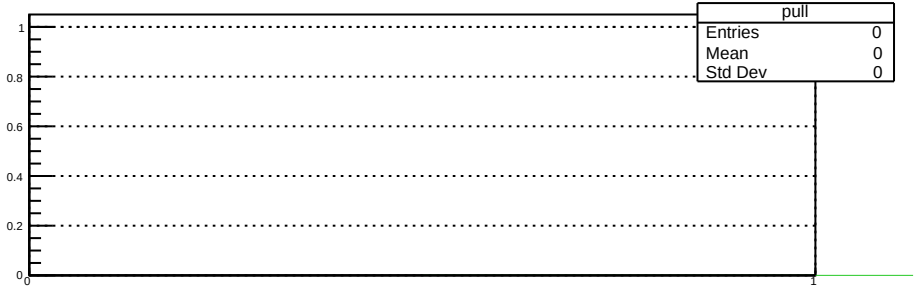

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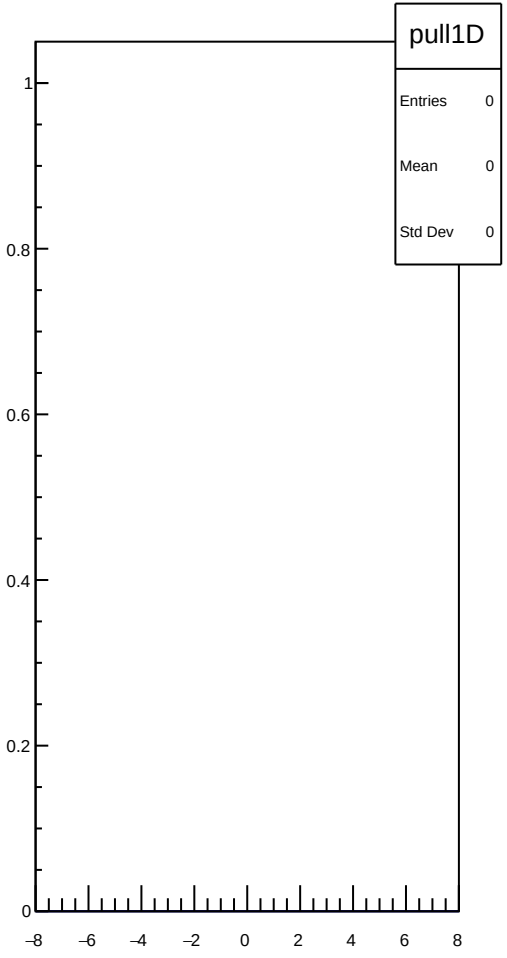

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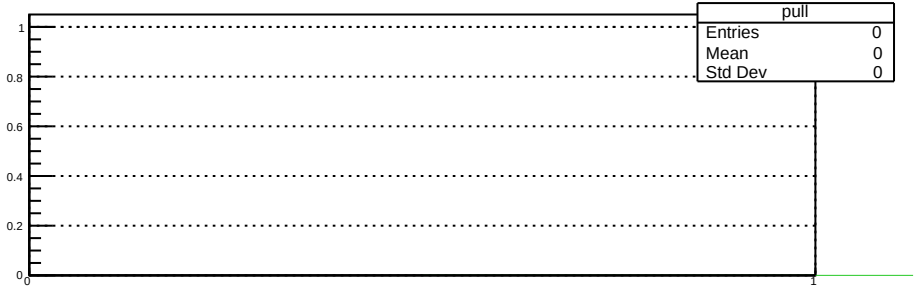

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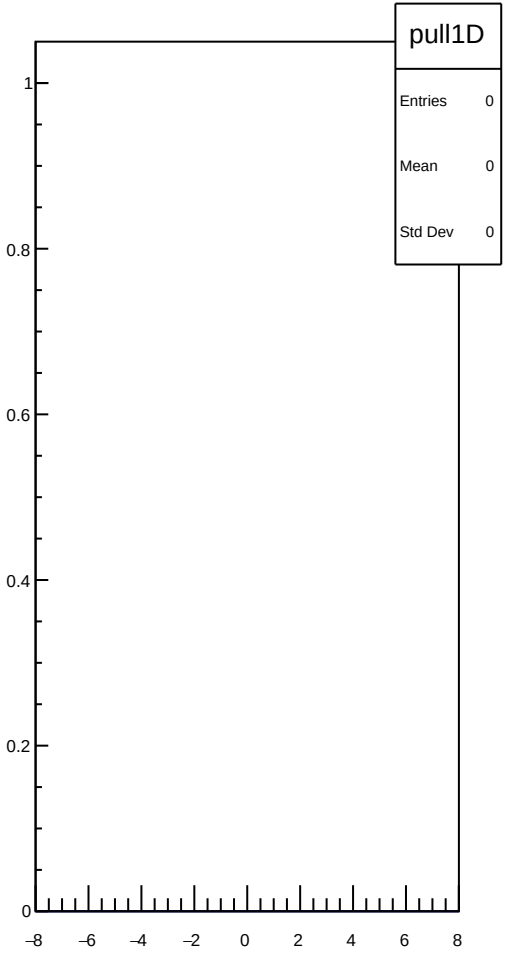

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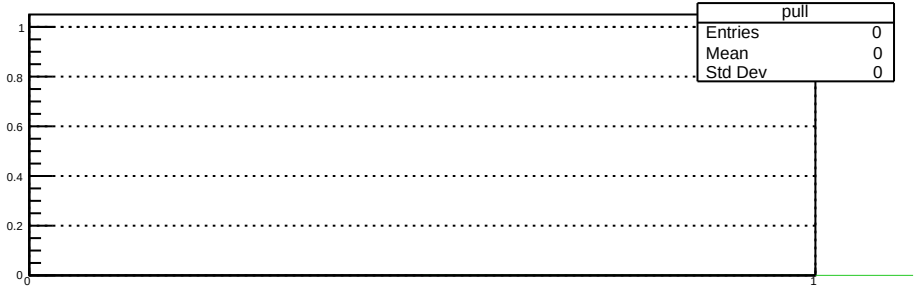

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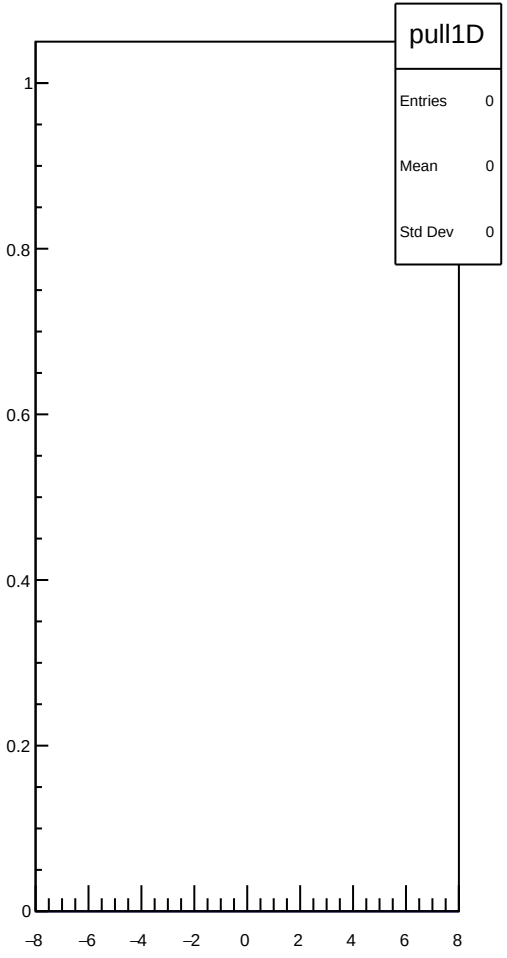

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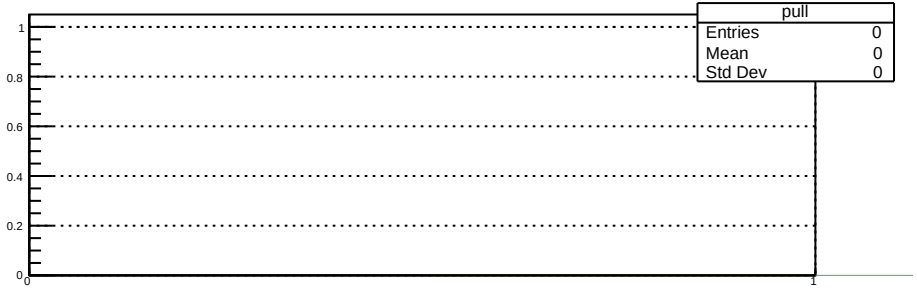

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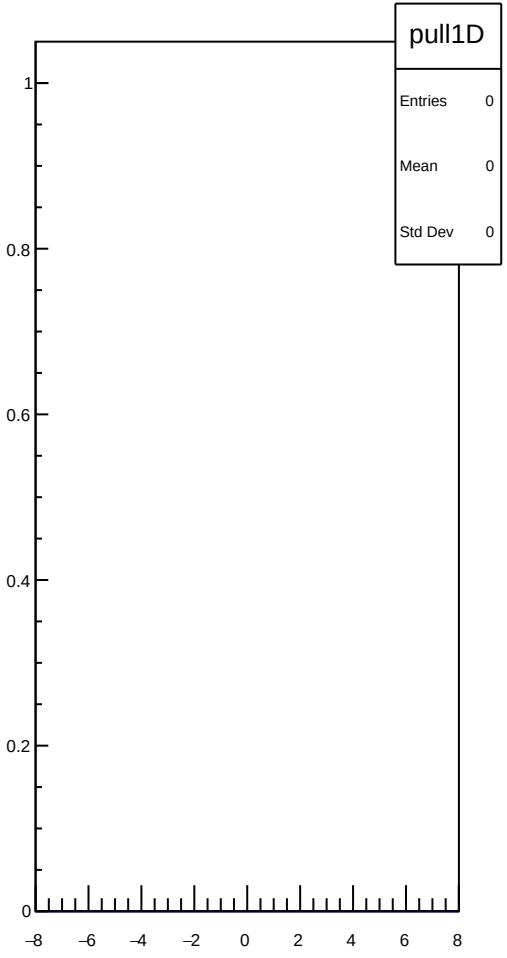

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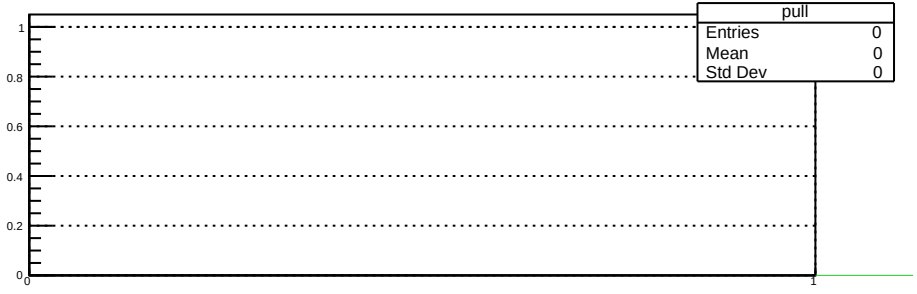

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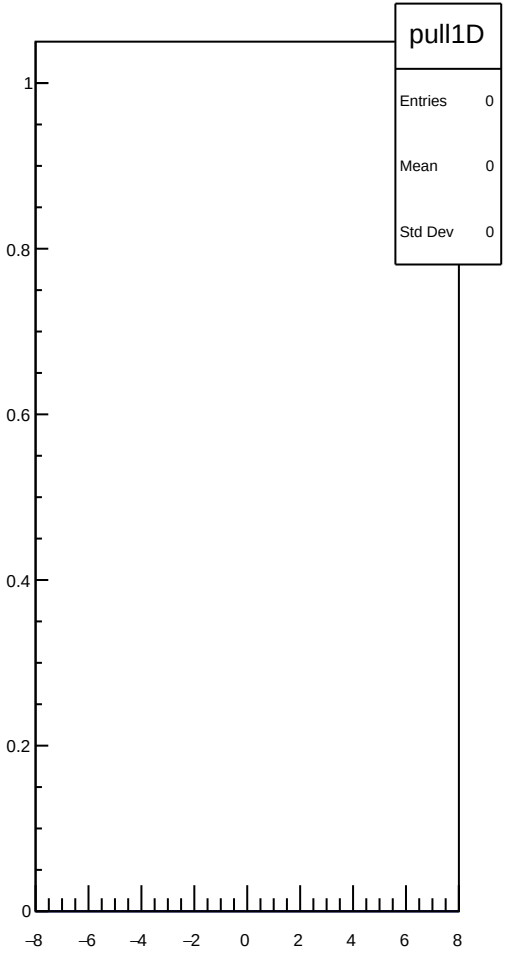

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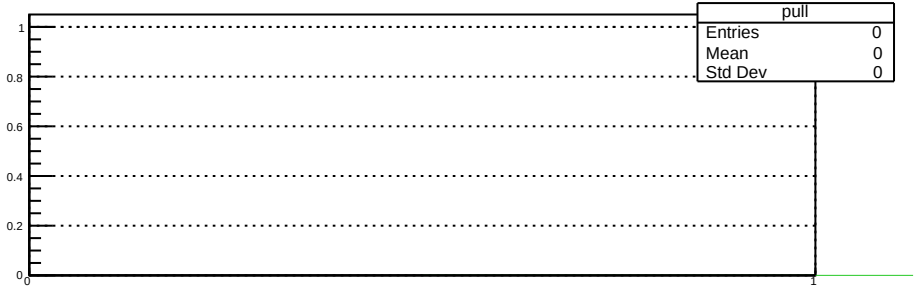

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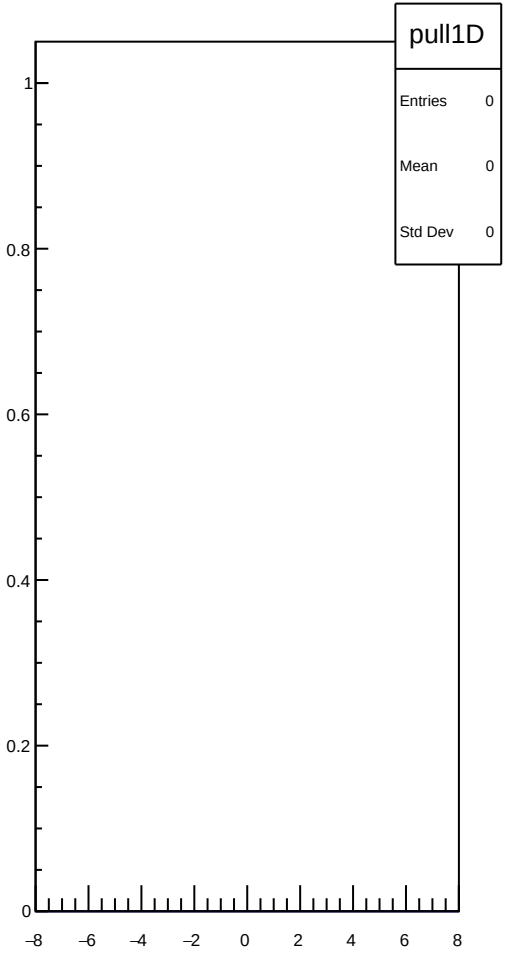

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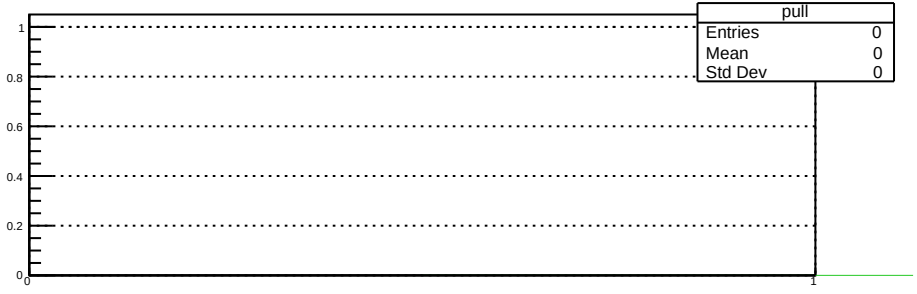

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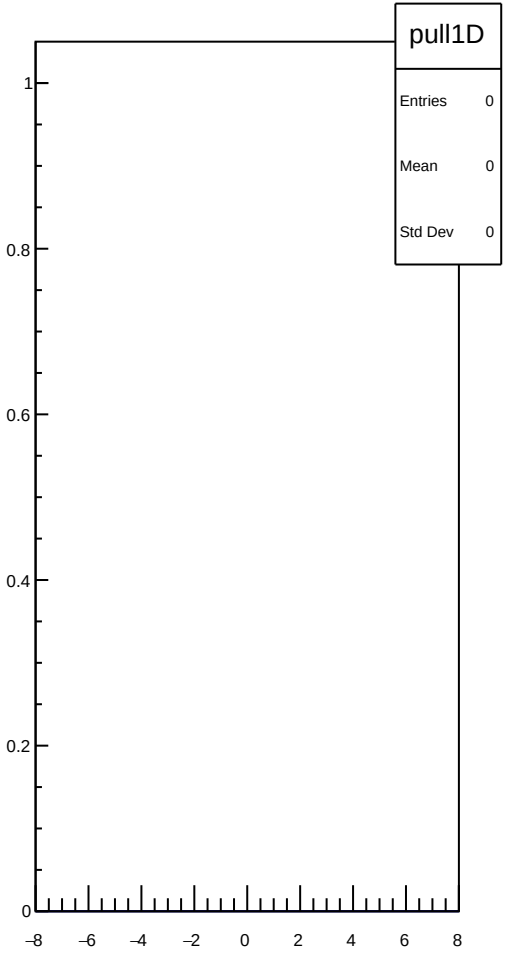

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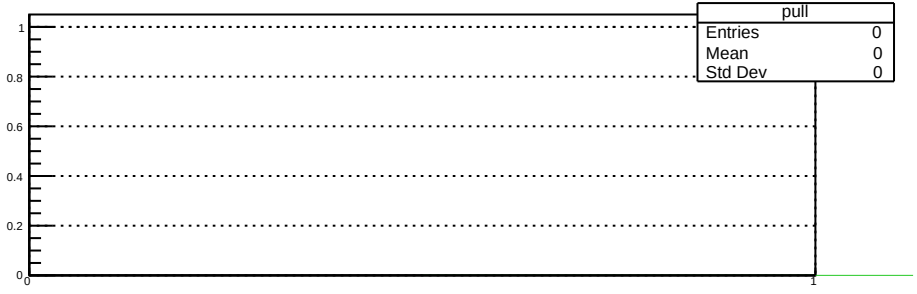

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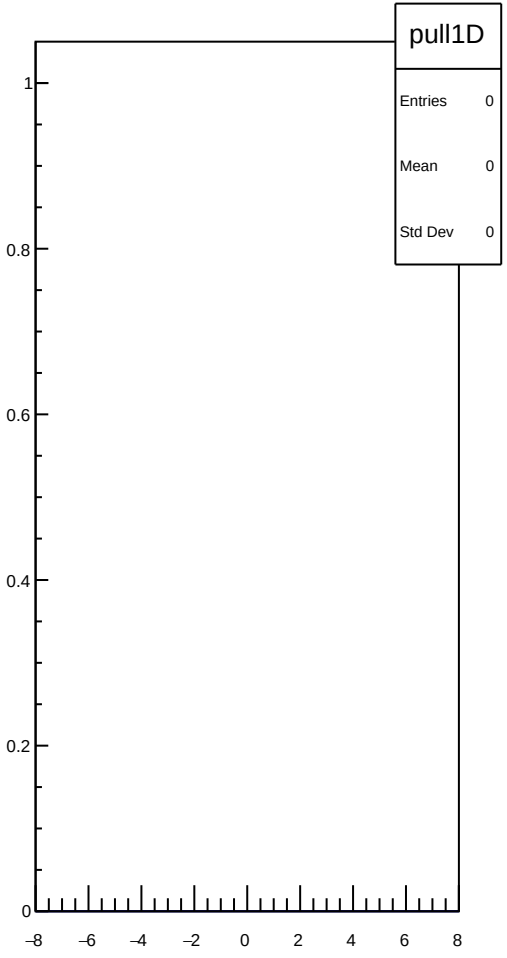

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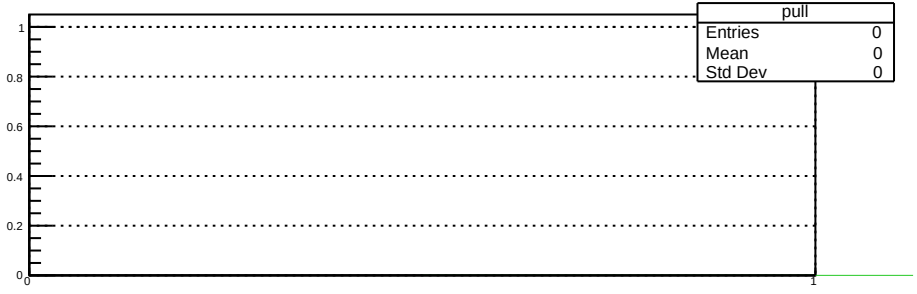

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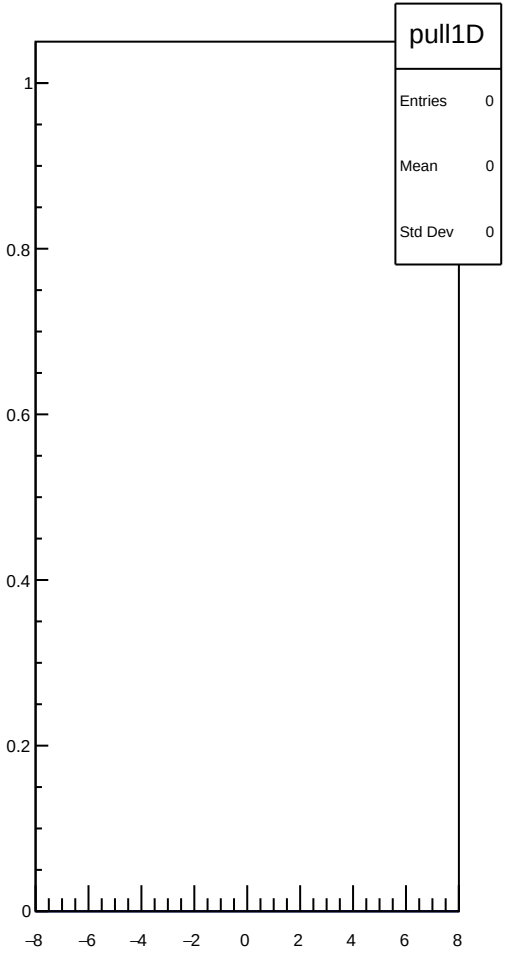

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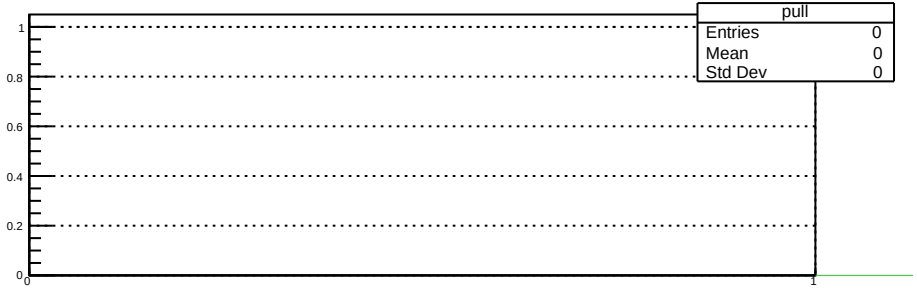

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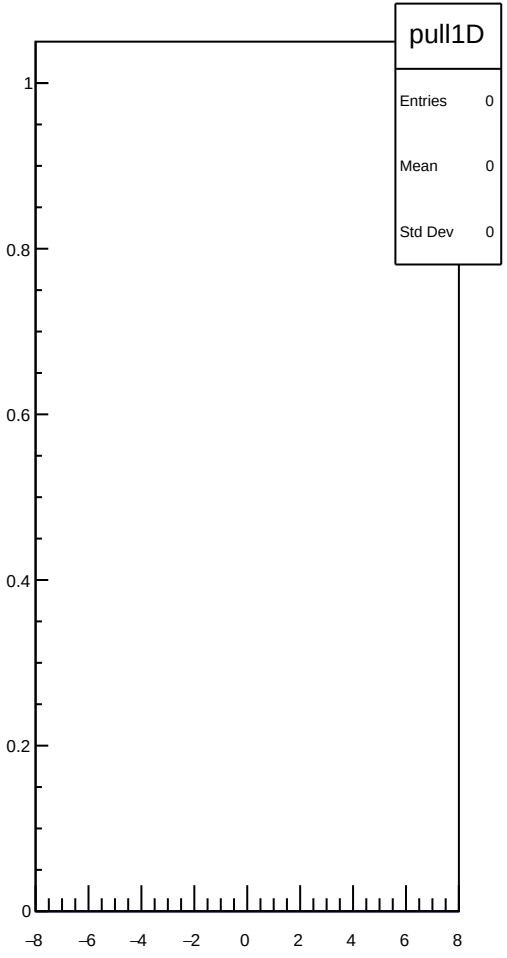

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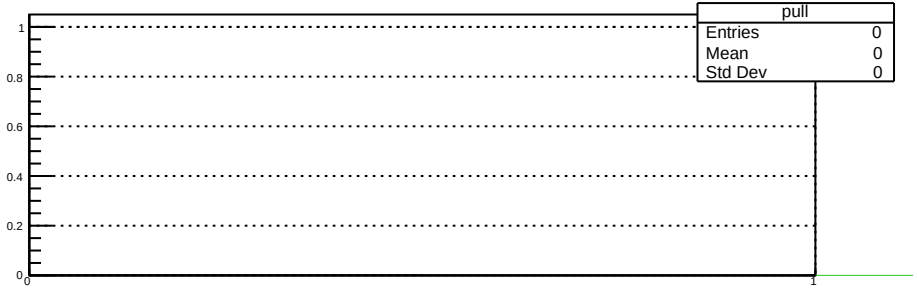

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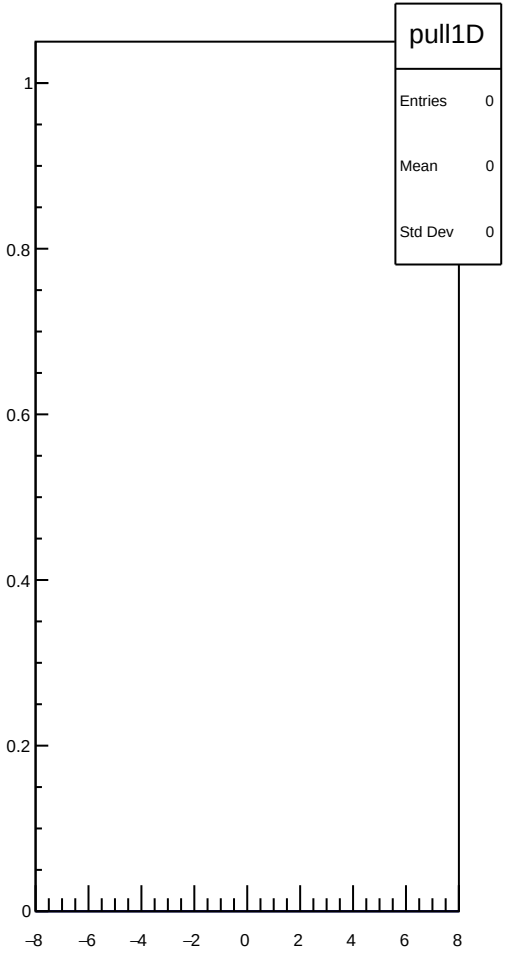

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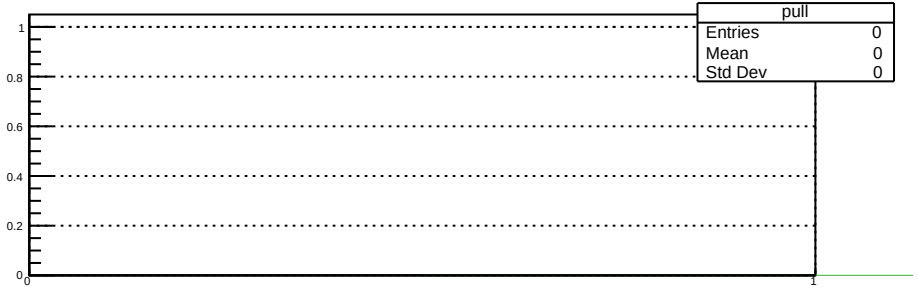

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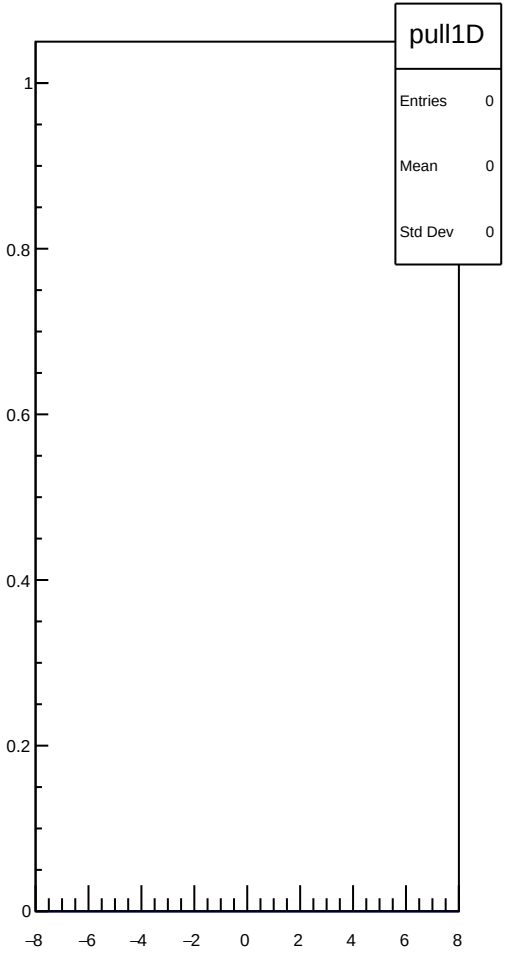

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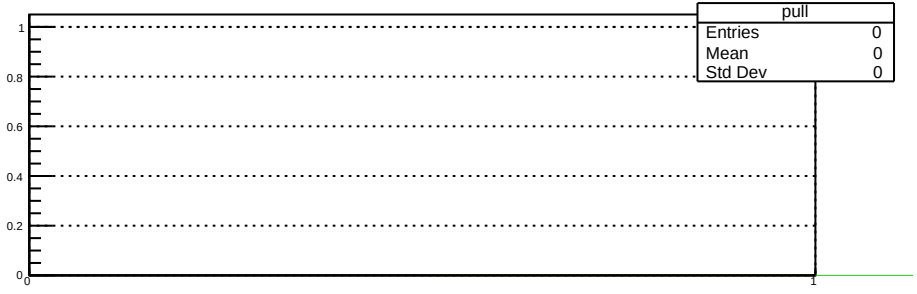

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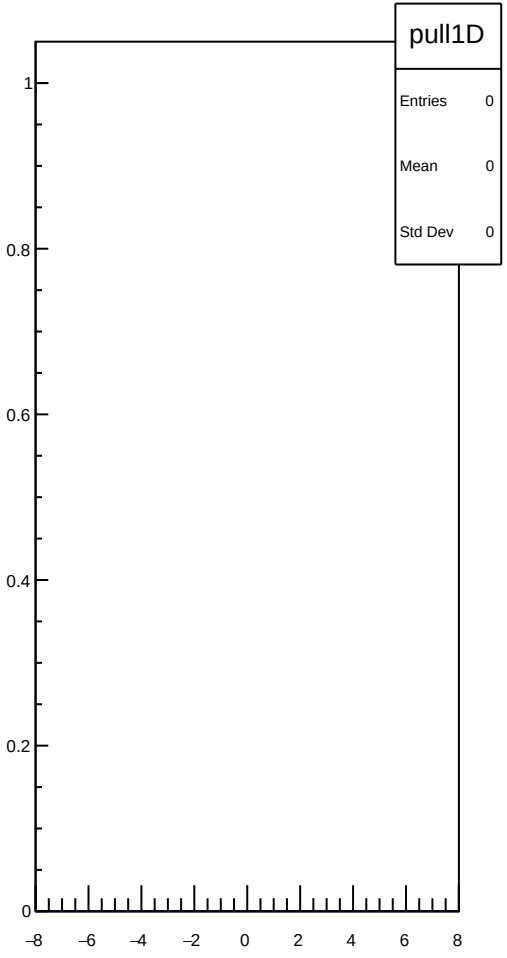

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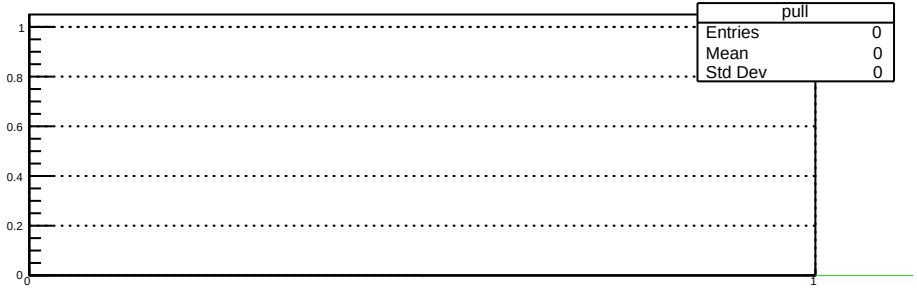

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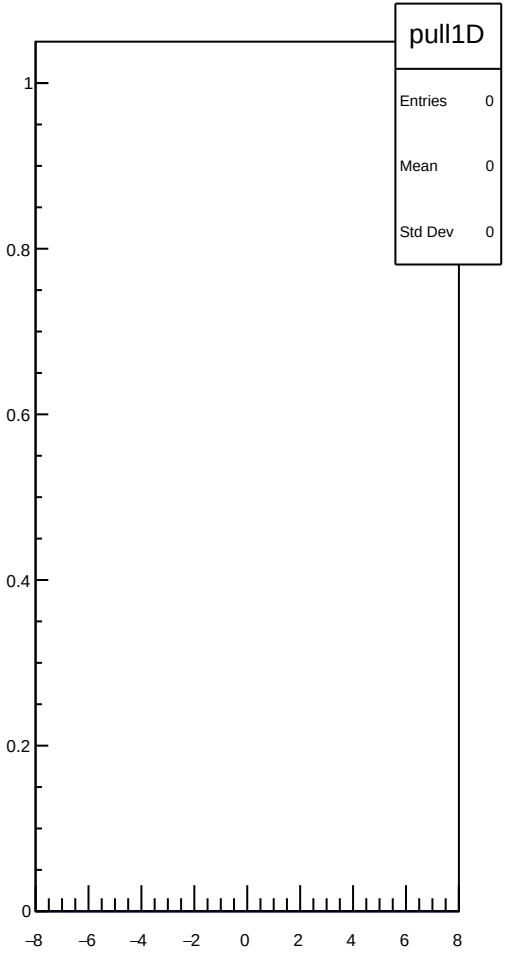

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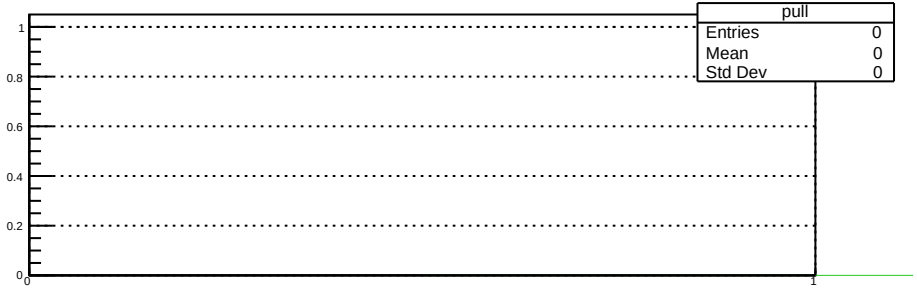

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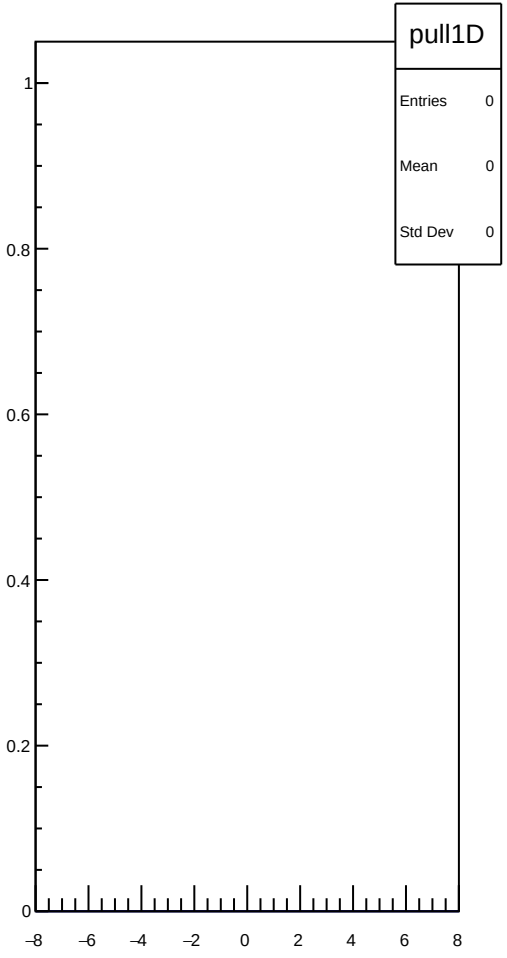

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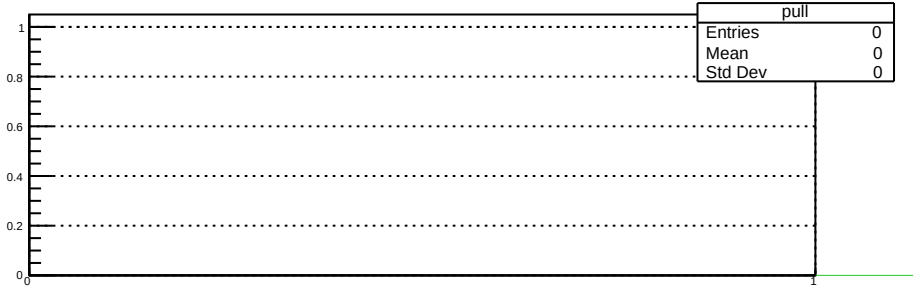

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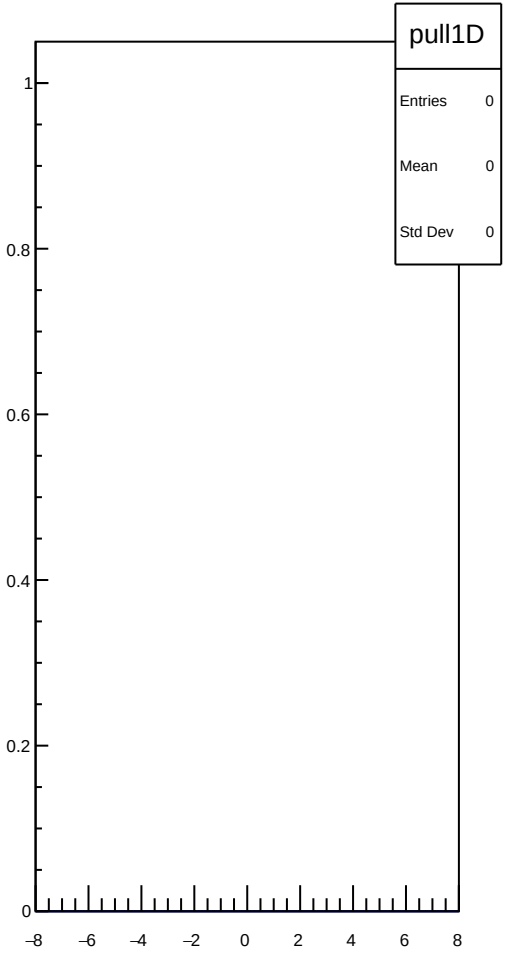

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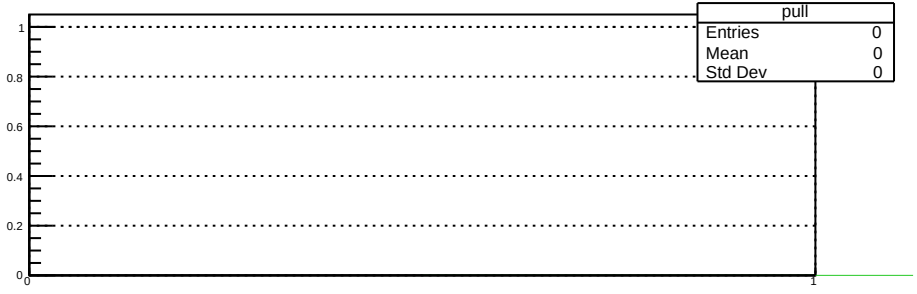

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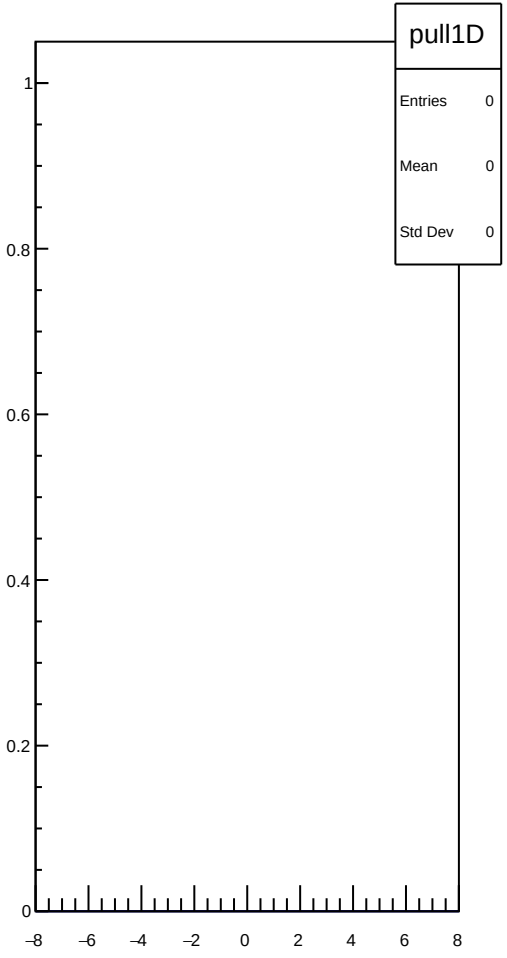

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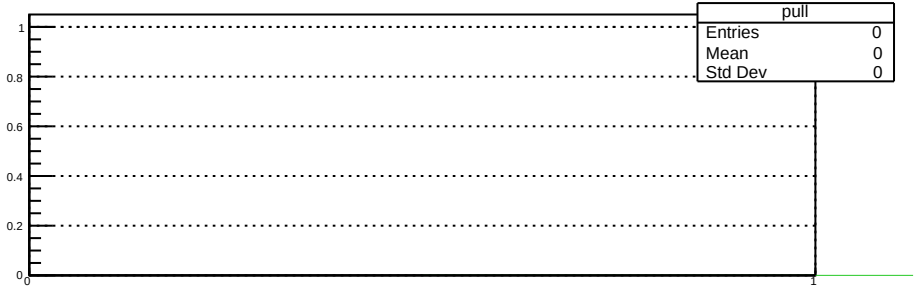

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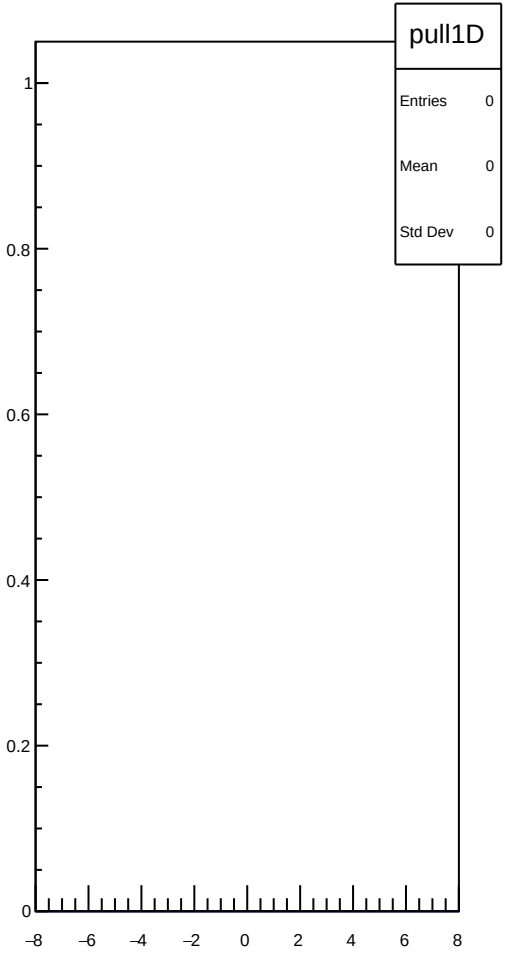

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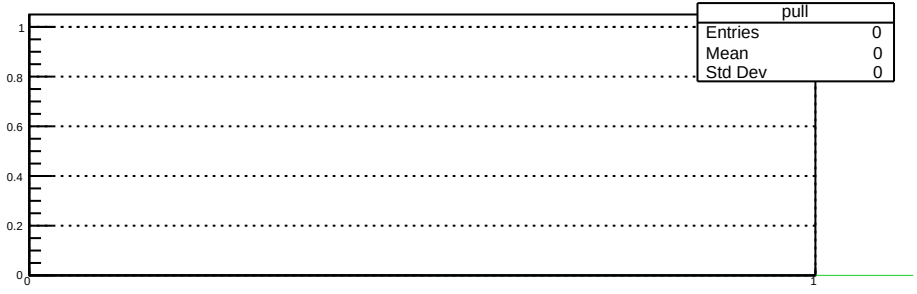

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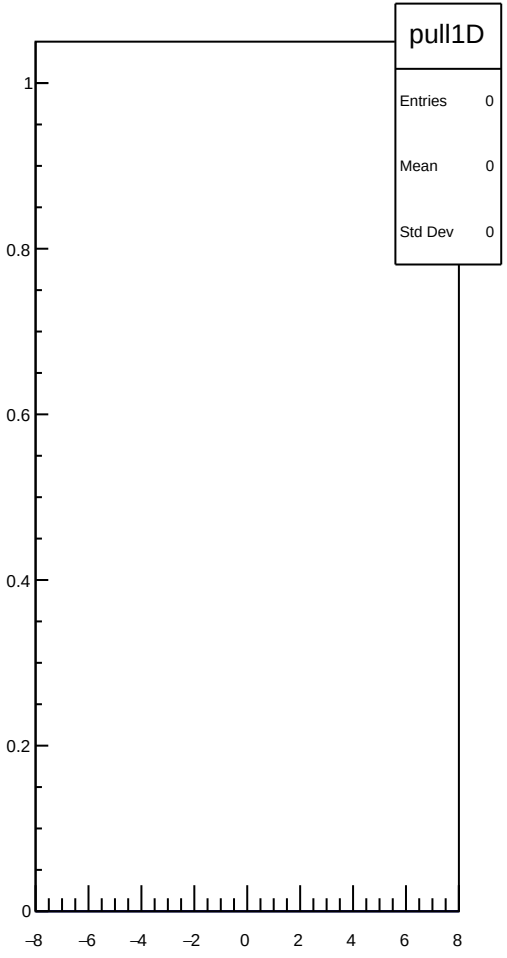

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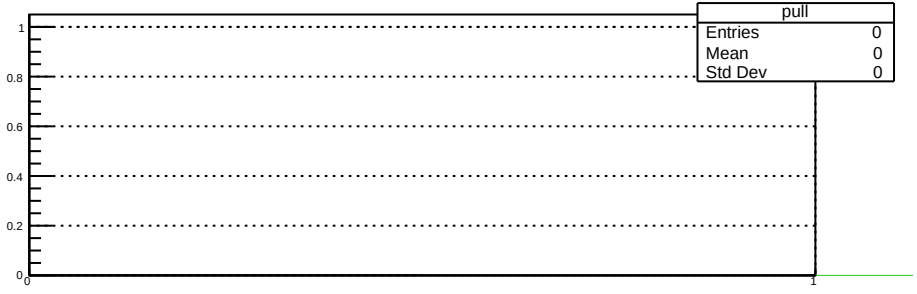

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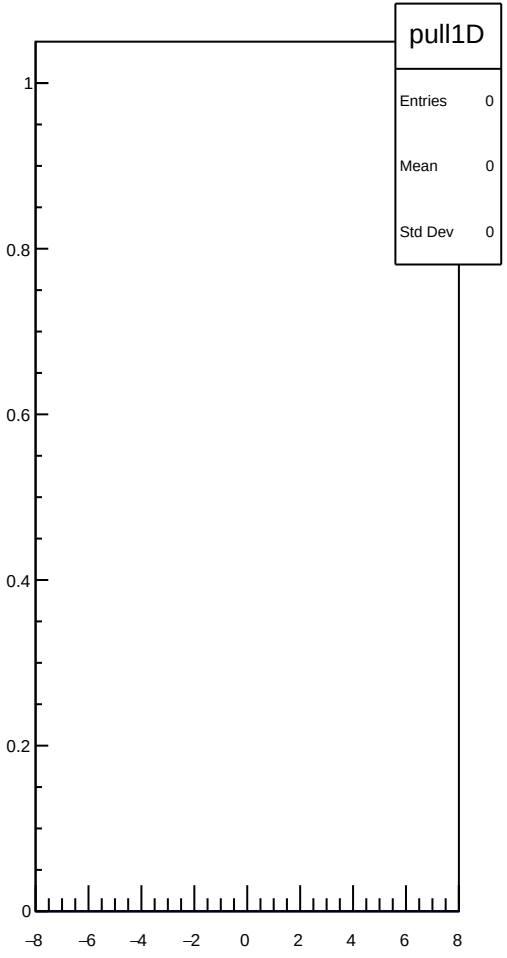

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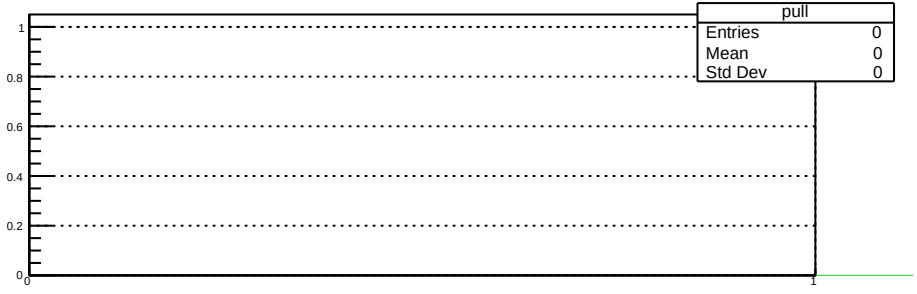

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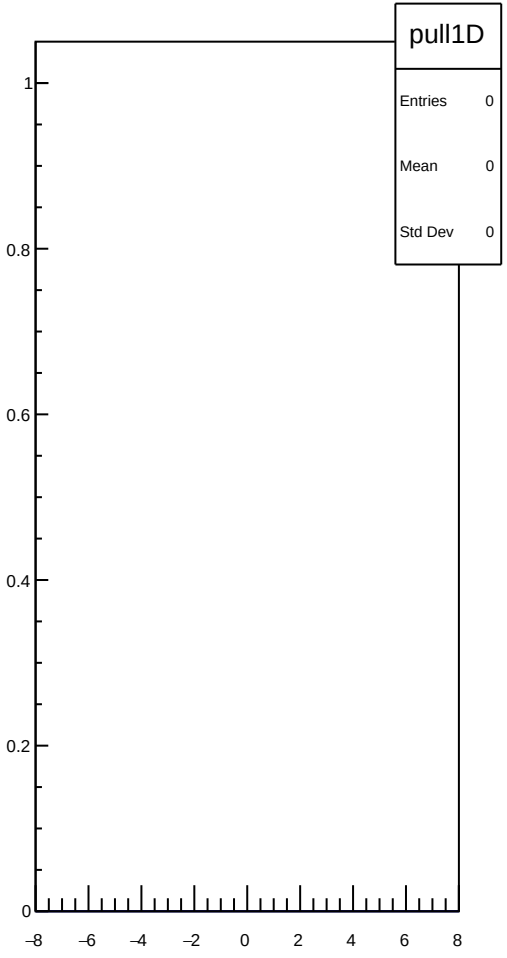

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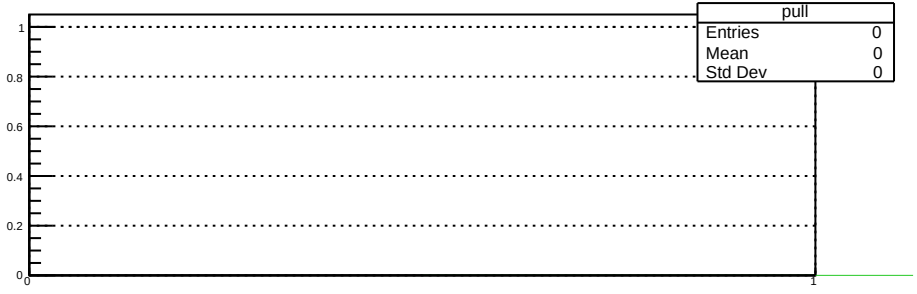

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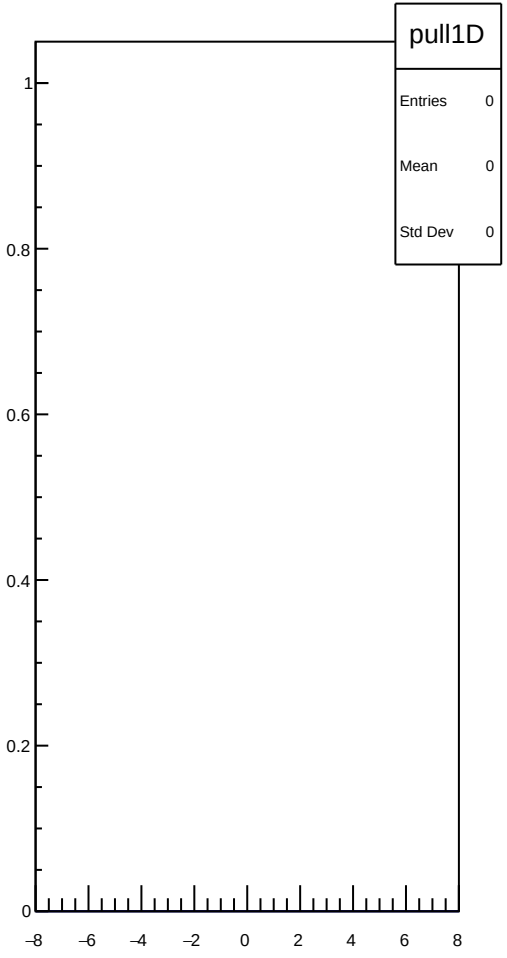

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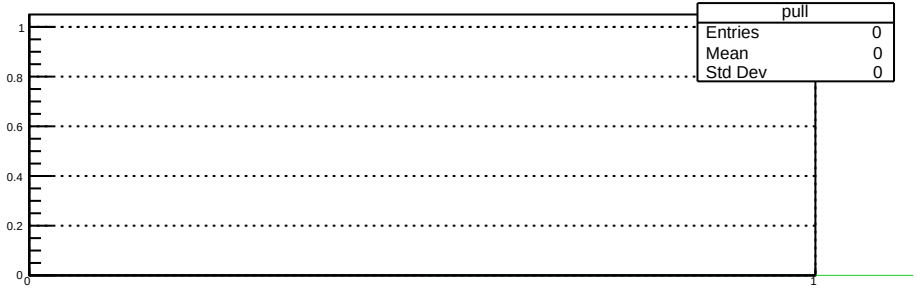

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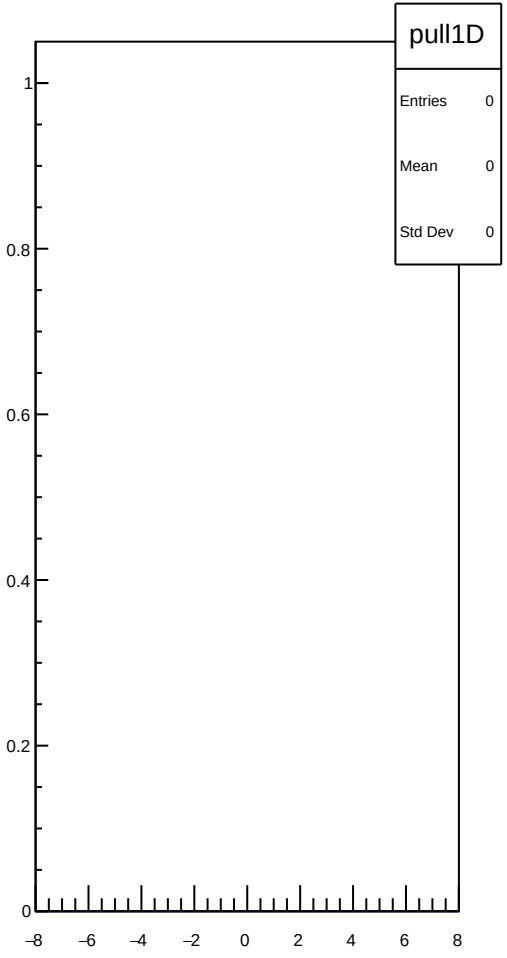

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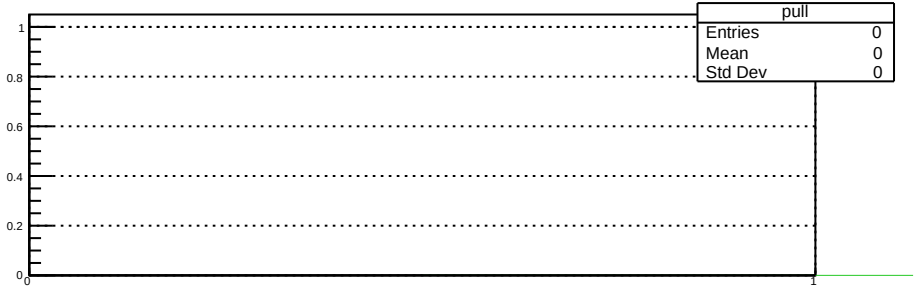

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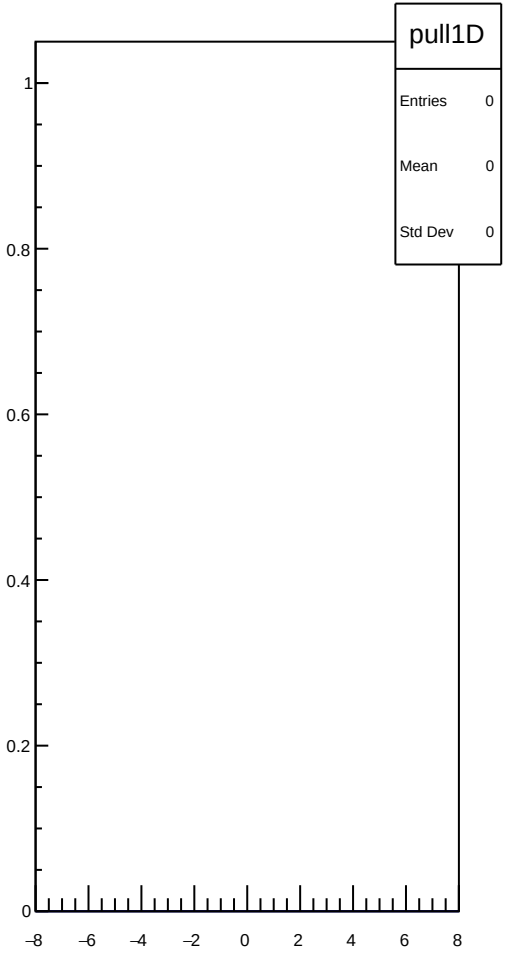

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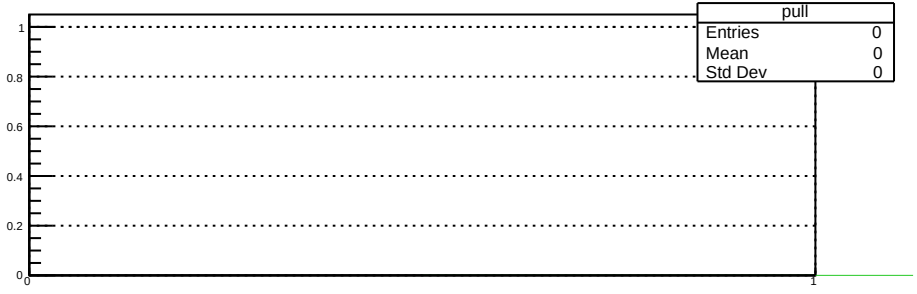

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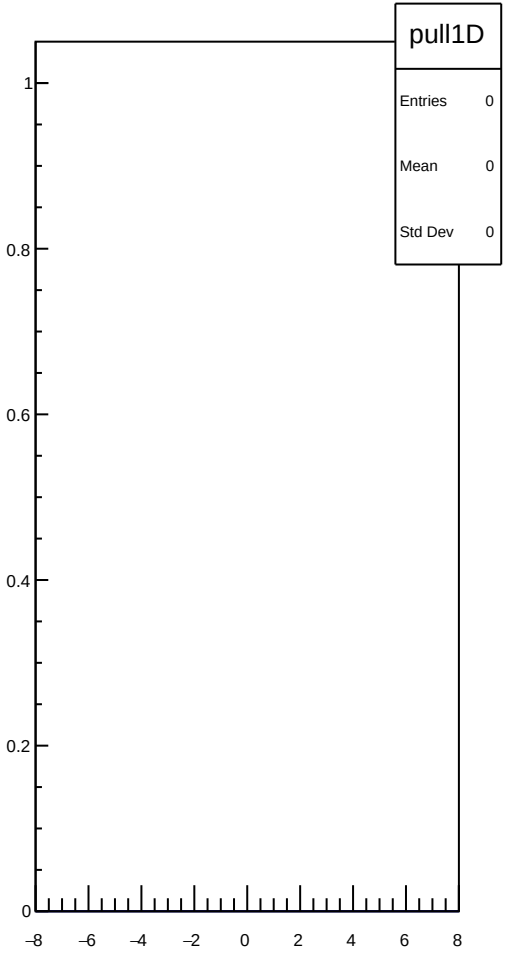

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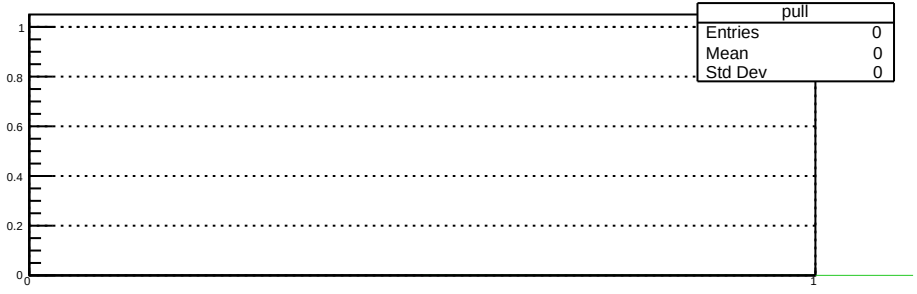

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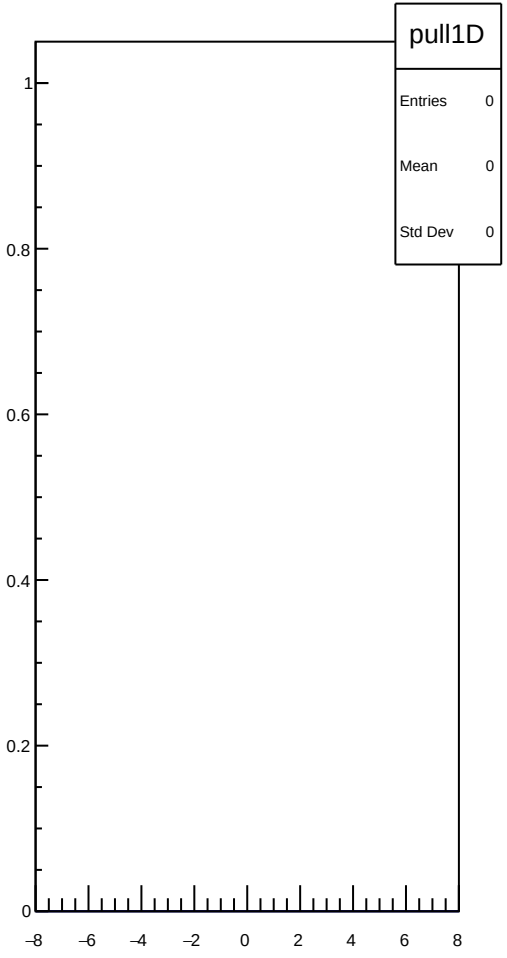

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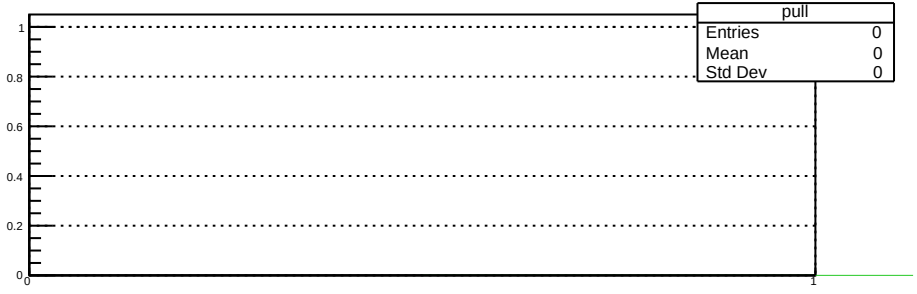

pull1D
Entries 0
Mean 0
Std Dev 0
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0.2
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–4
–2
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8

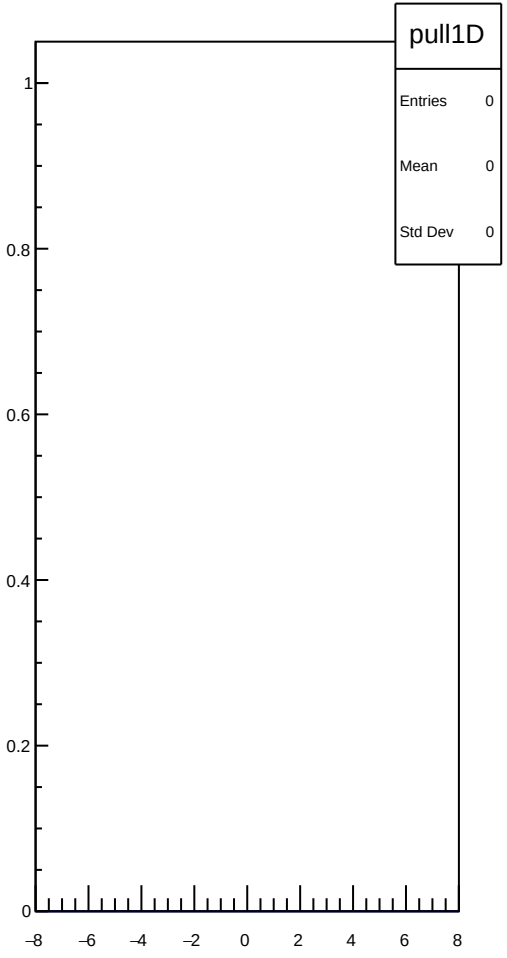

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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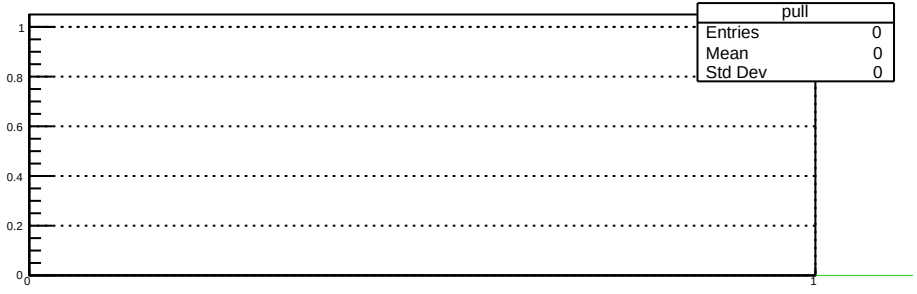

pull1D
Entries 0
Mean 0
Std Dev 0
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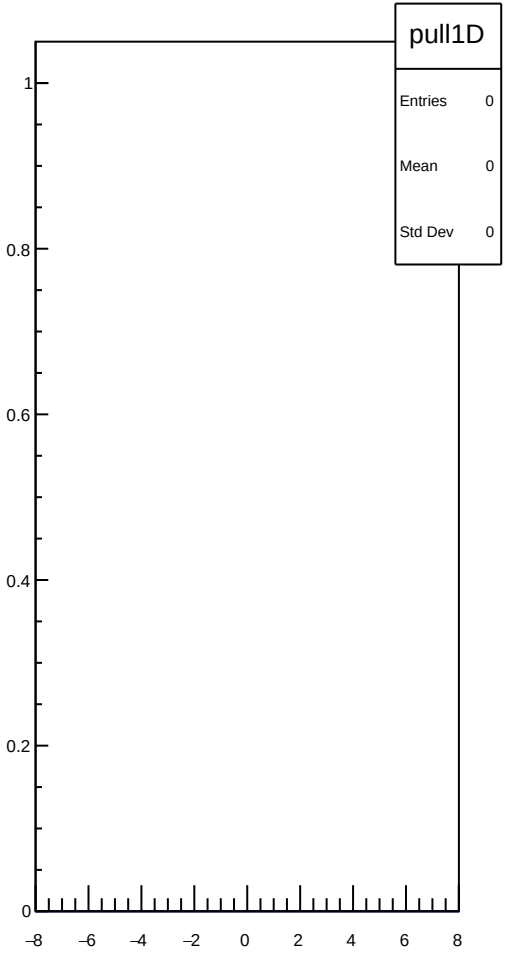

pull
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Std Dev 0
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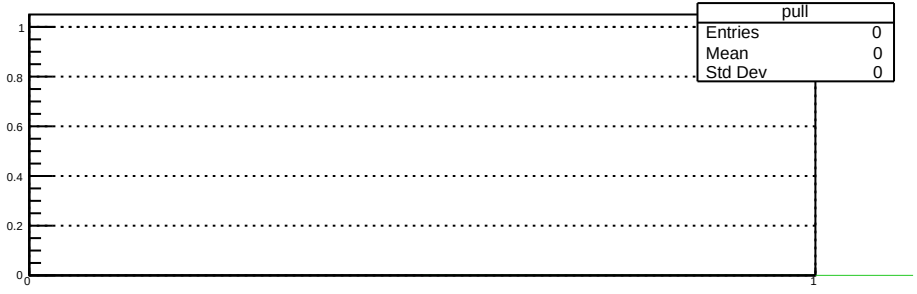

pull1D
Entries 0
Mean 0
Std Dev 0
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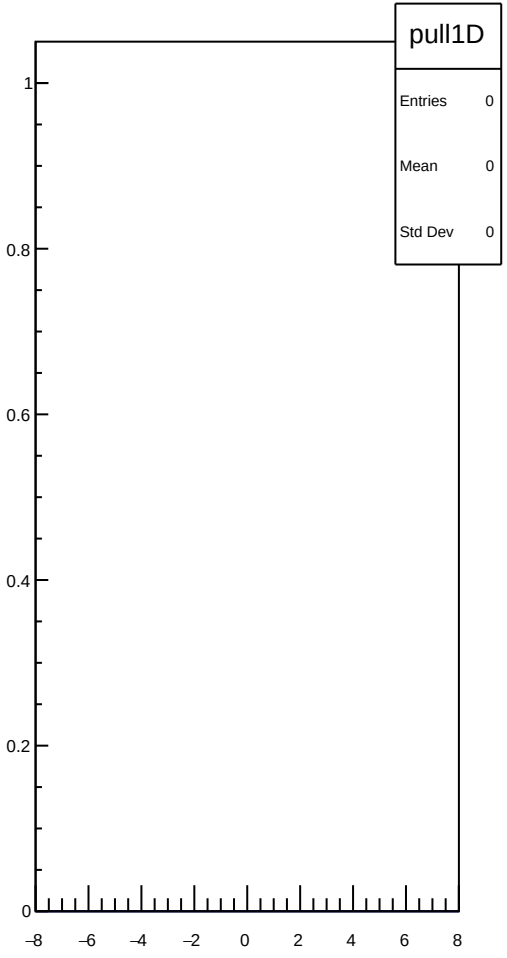

pull
Entries 0
Mean 0
Std Dev 0
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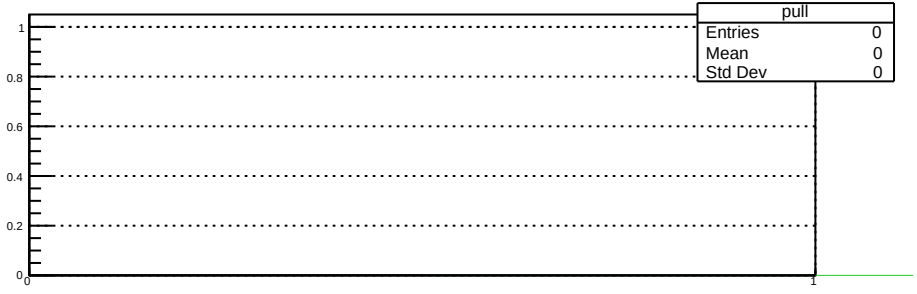

pull1D
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Std Dev 0
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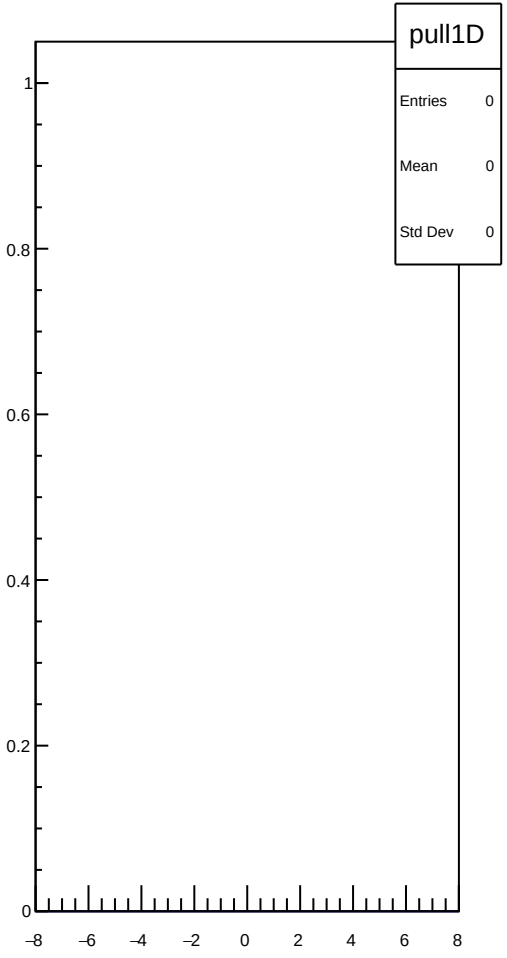

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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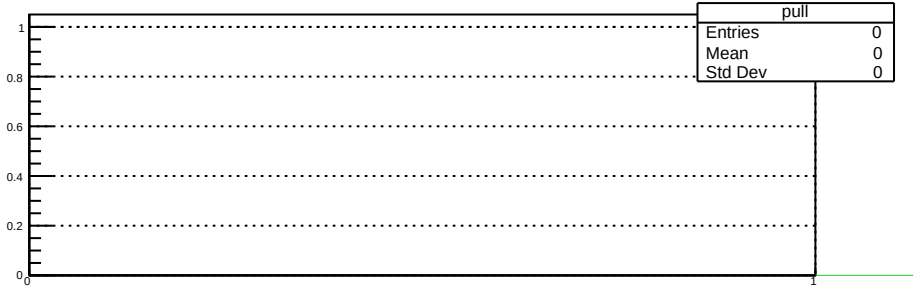

pull1D
Entries 0
Mean 0
Std Dev 0
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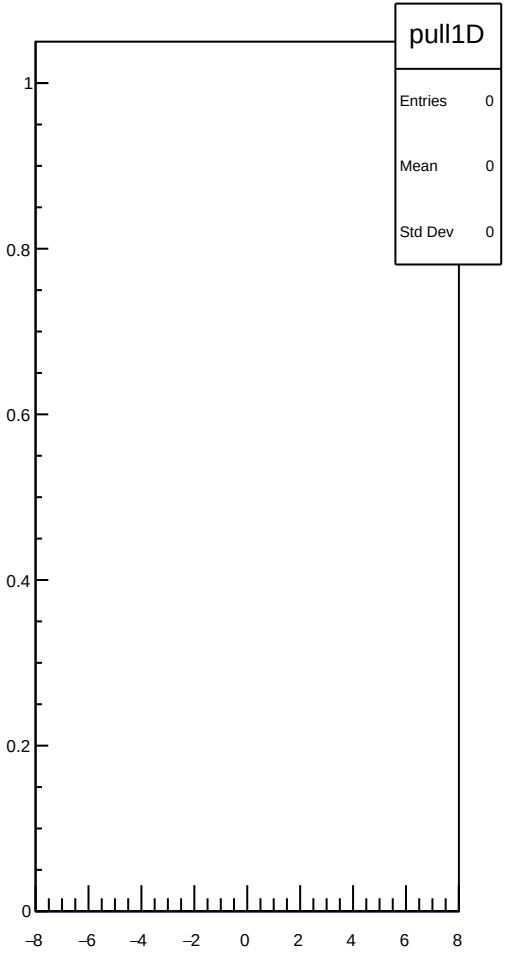

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
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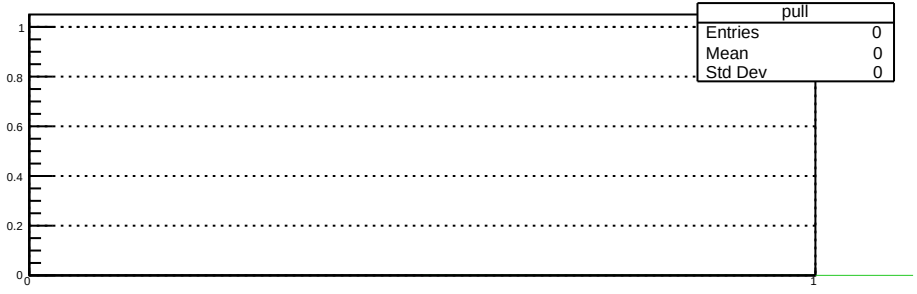

pull1D
Entries 0
Mean 0
Std Dev 0
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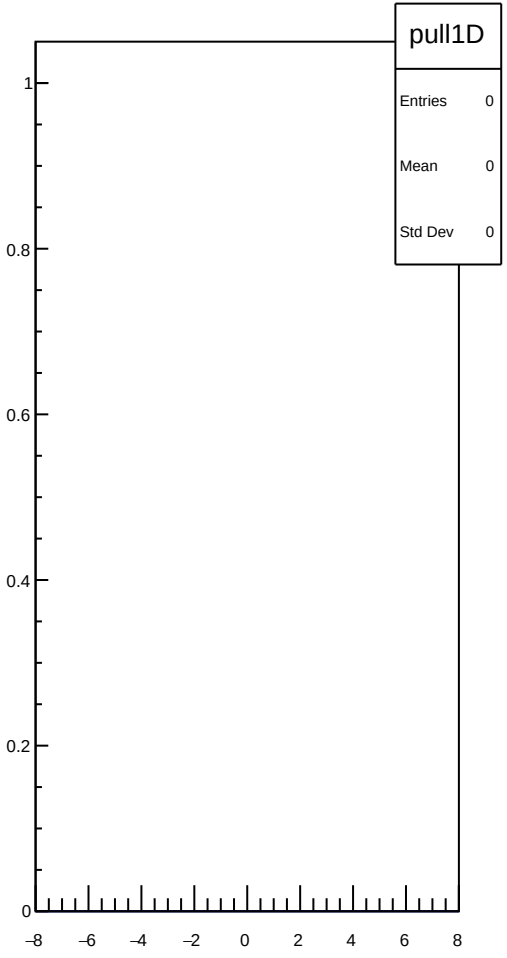

pull
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Mean 0
Std Dev 0
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0.6
0.4
0.2
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1

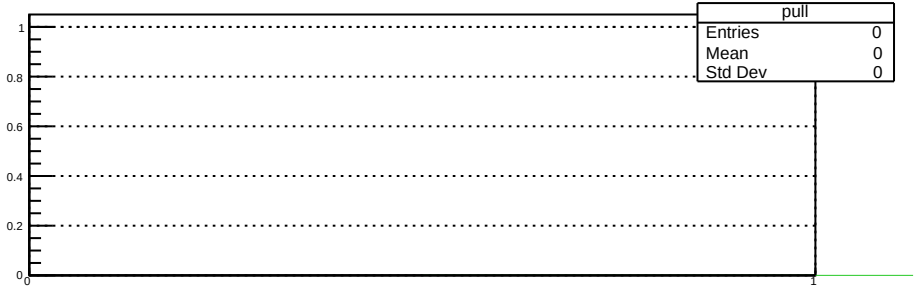

pull1D
Entries 0
Mean 0
Std Dev 0
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–2
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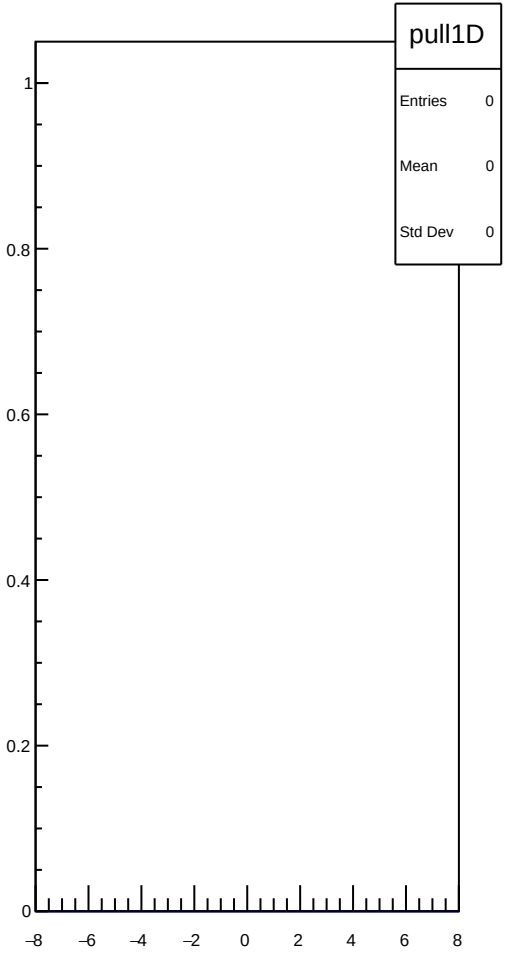

pull
Entries 0
Mean 0
Std Dev 0
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0.4
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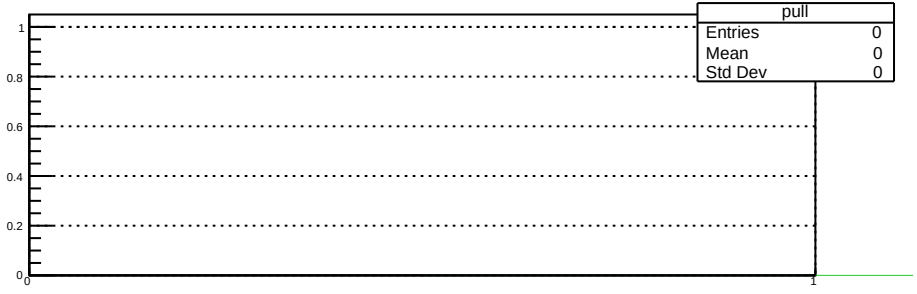

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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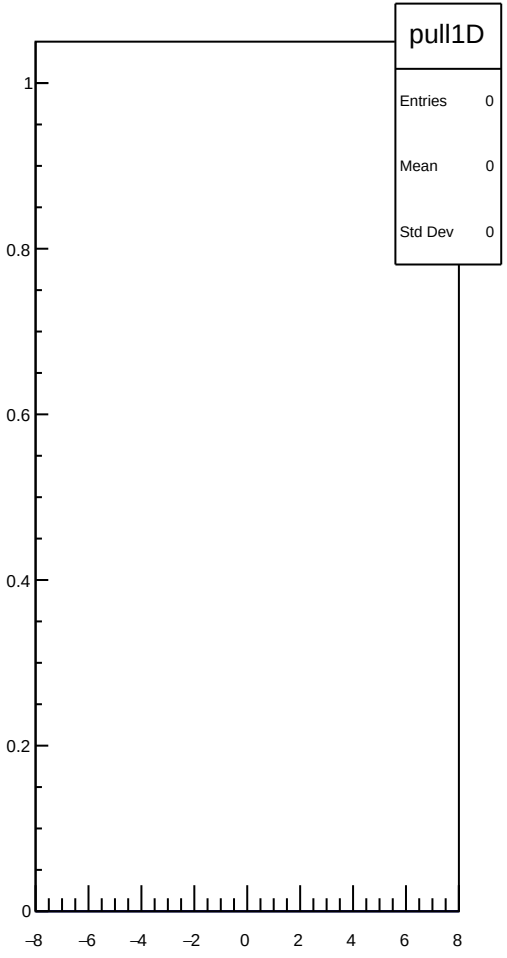

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

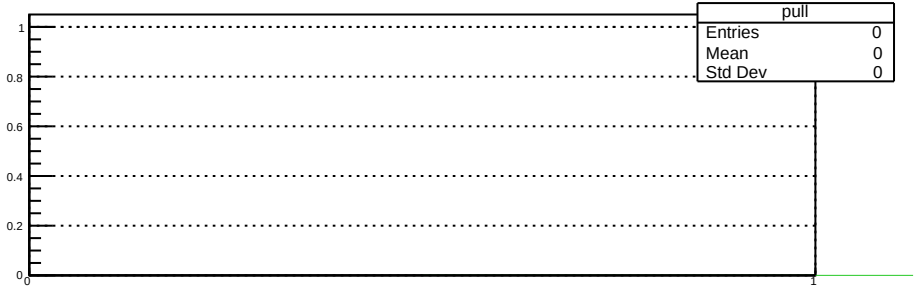

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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–2
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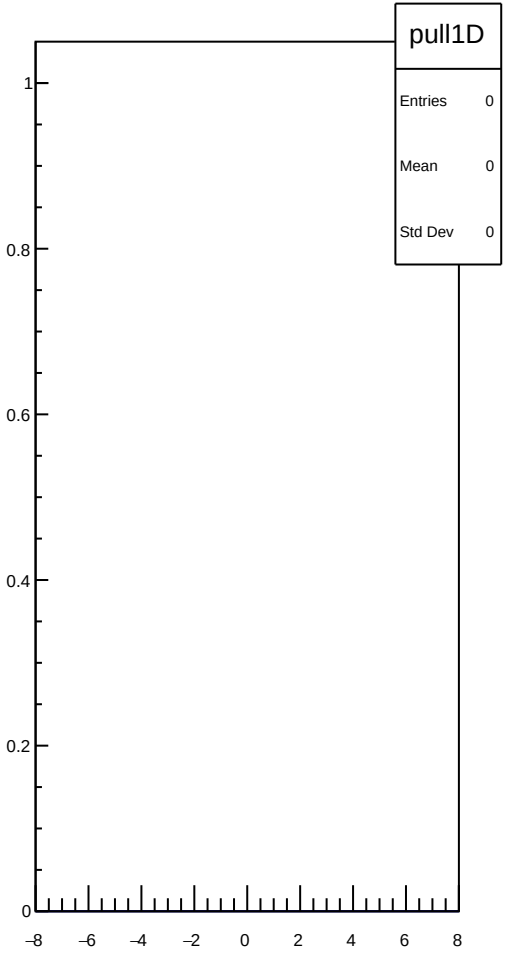

pull
Entries 0
Mean 0
Std Dev 0
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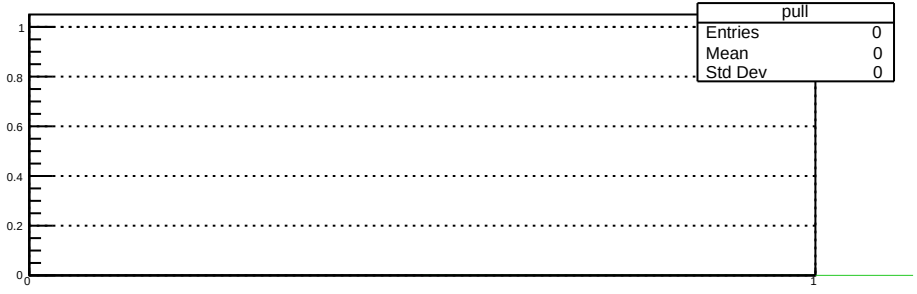

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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–2
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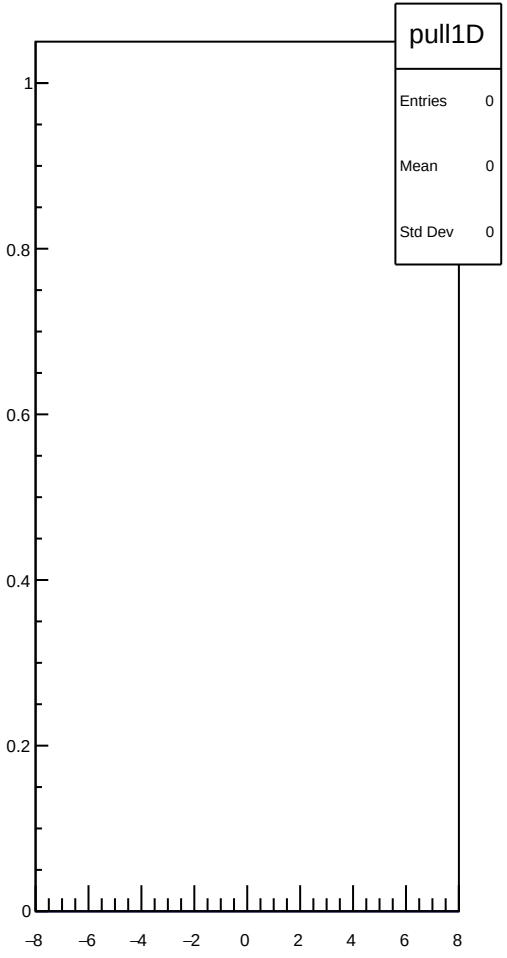

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

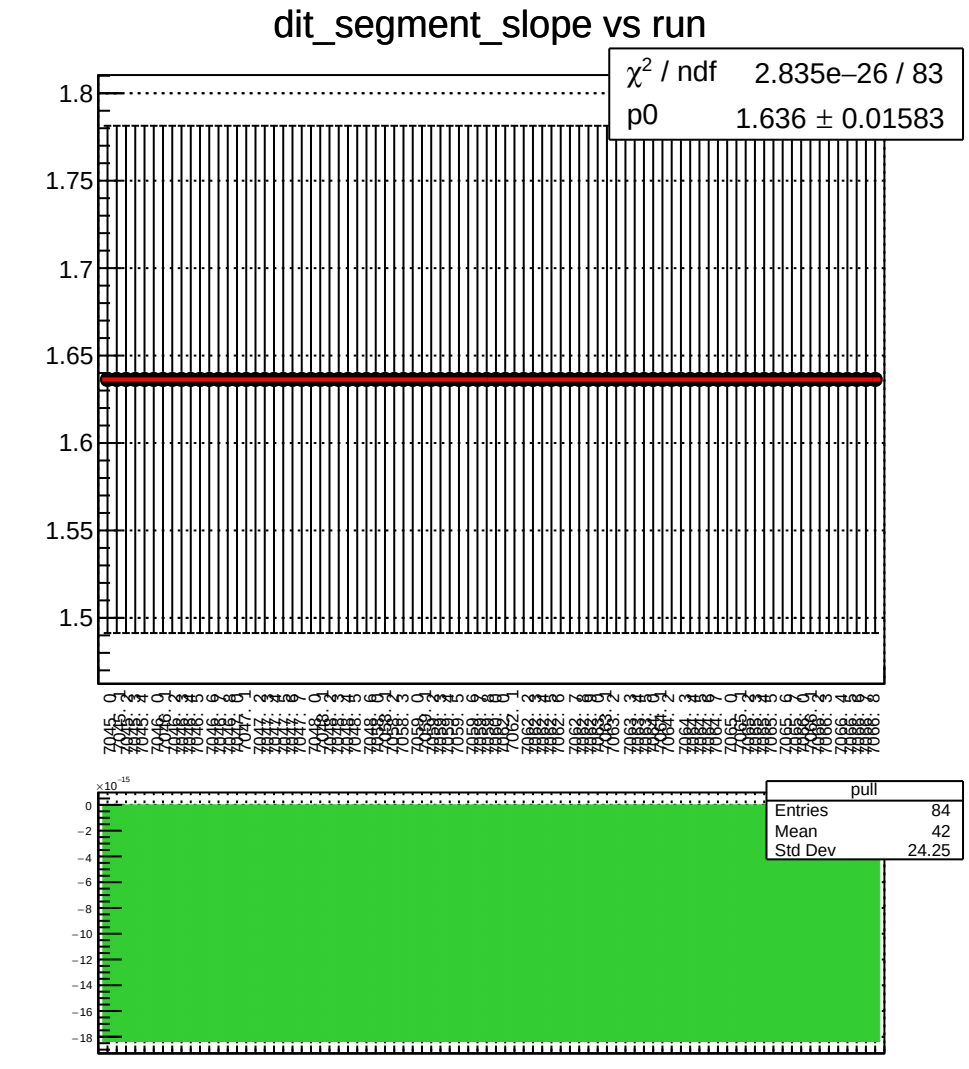

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
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–2
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6
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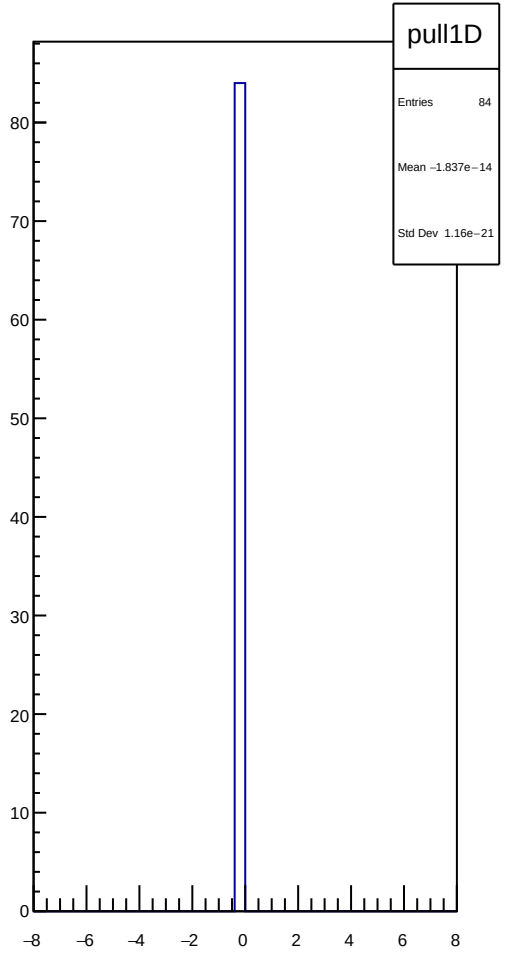

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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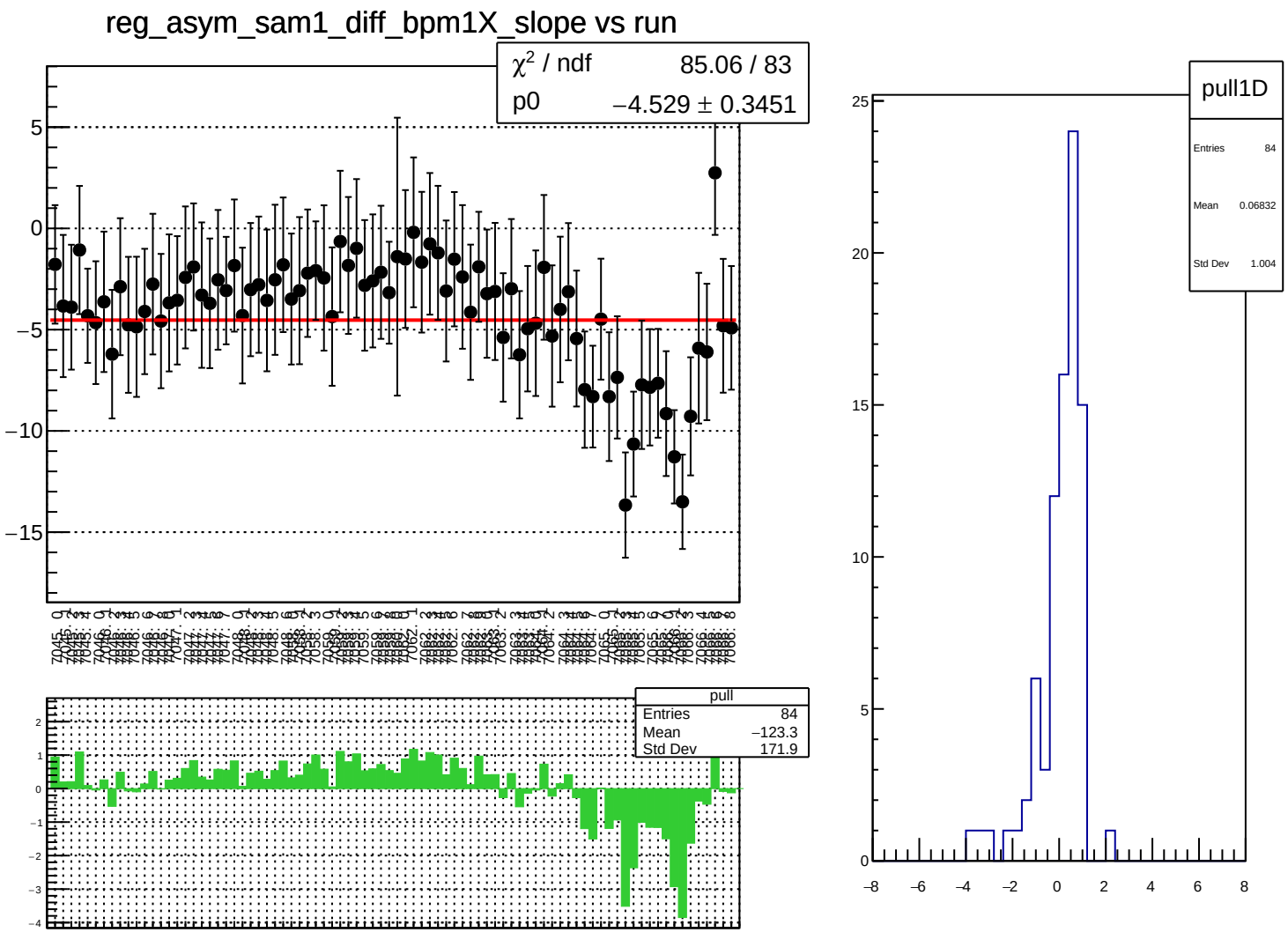

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
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–4
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0
2
4
6
8

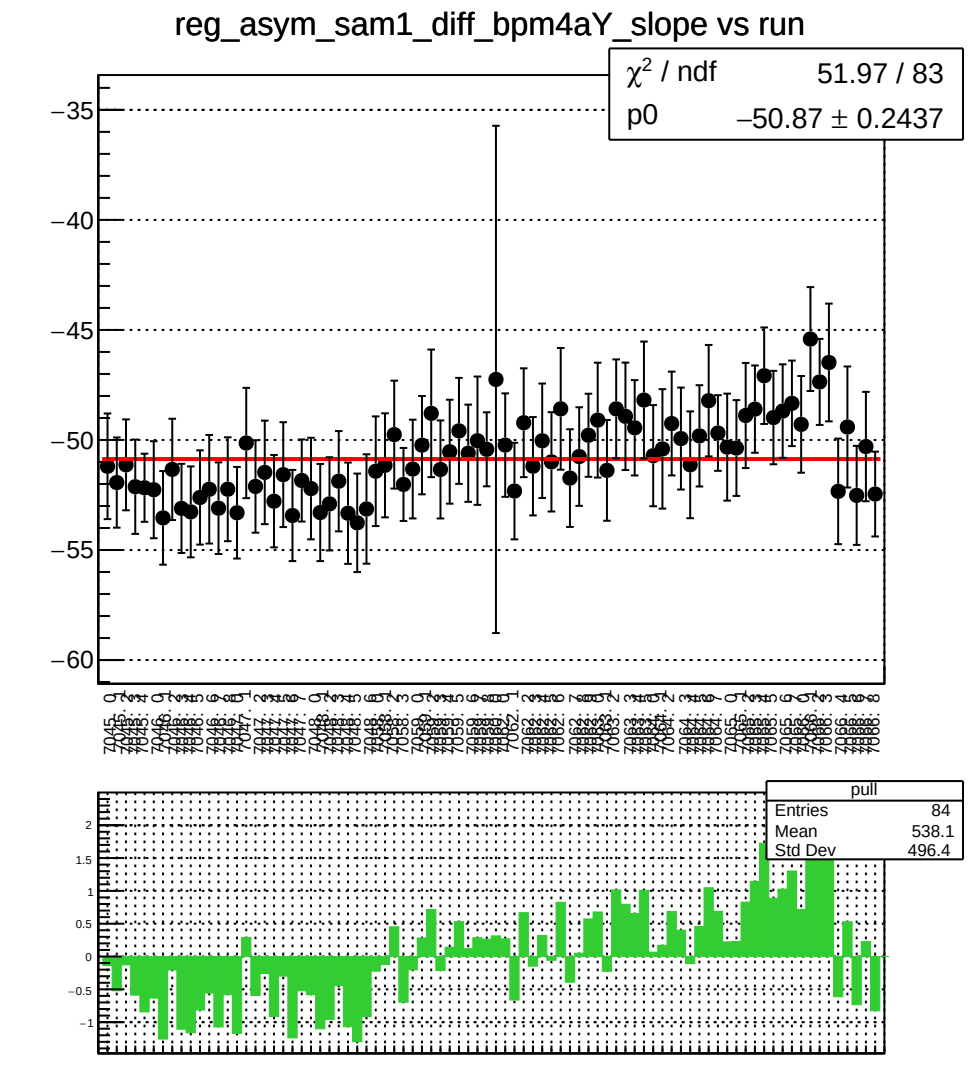

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

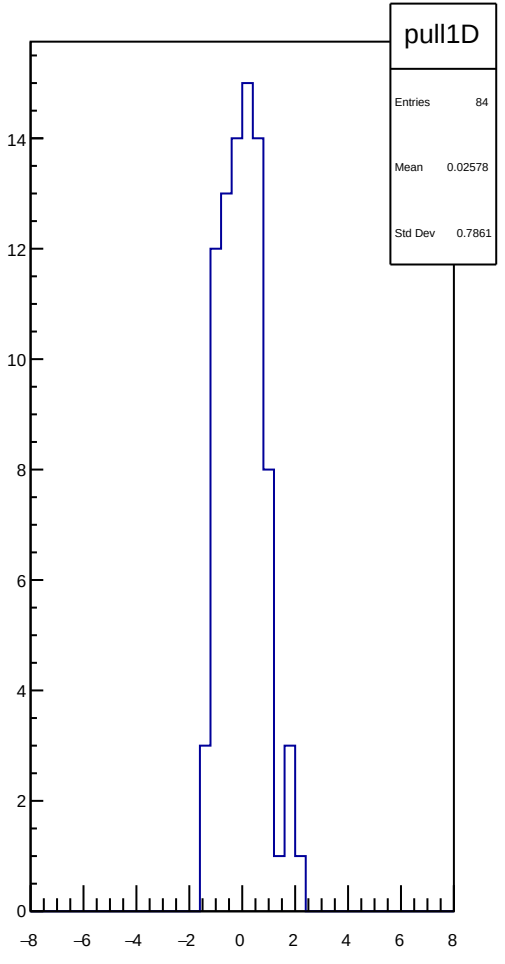

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

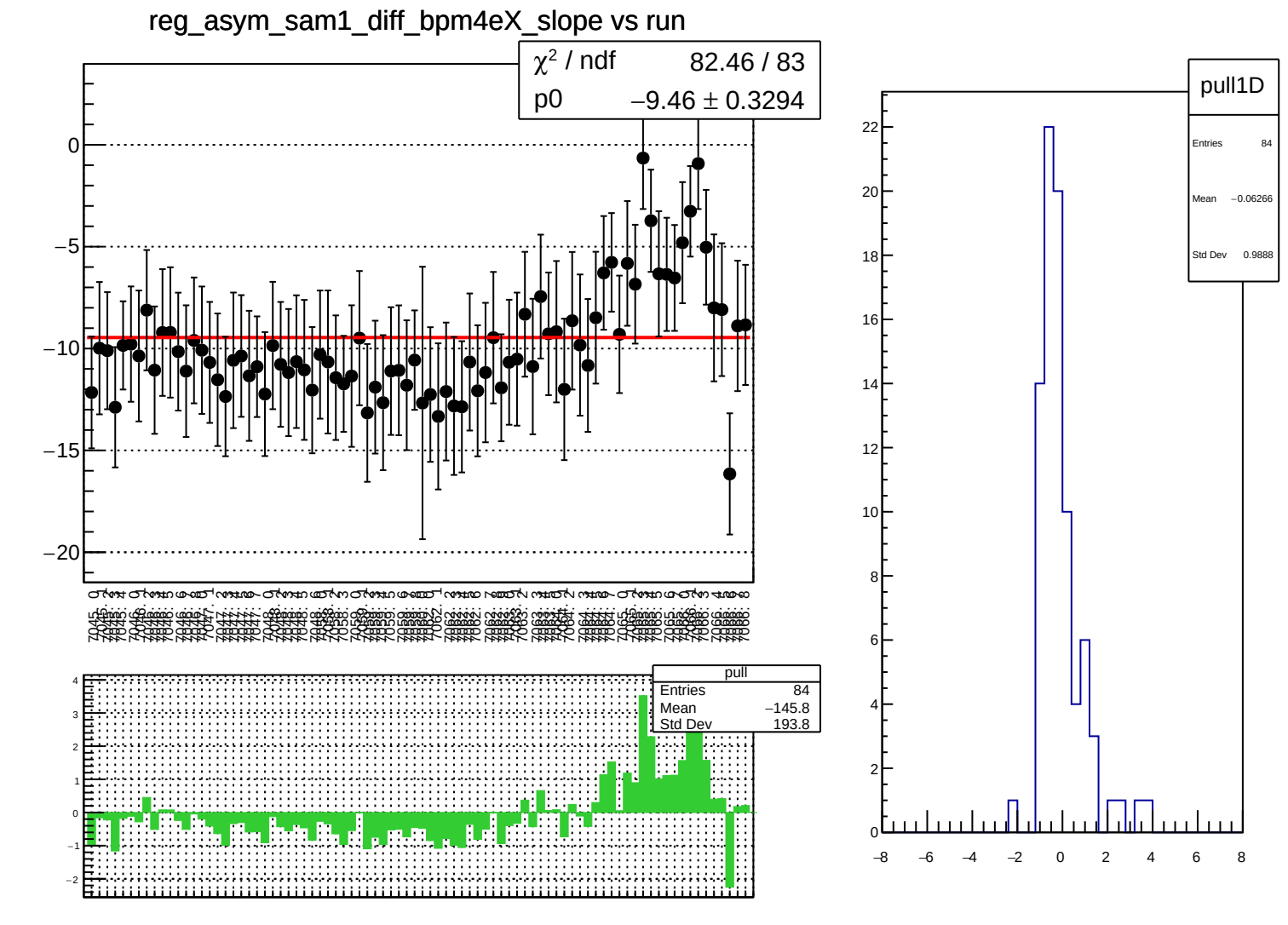

dit_segment_slope vs run
χ² / ndf 2.835e−26 / 83
p0 1.636 ± 0.01583
1.8
1.75
1.7
1.65
1.6
1.55
1.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

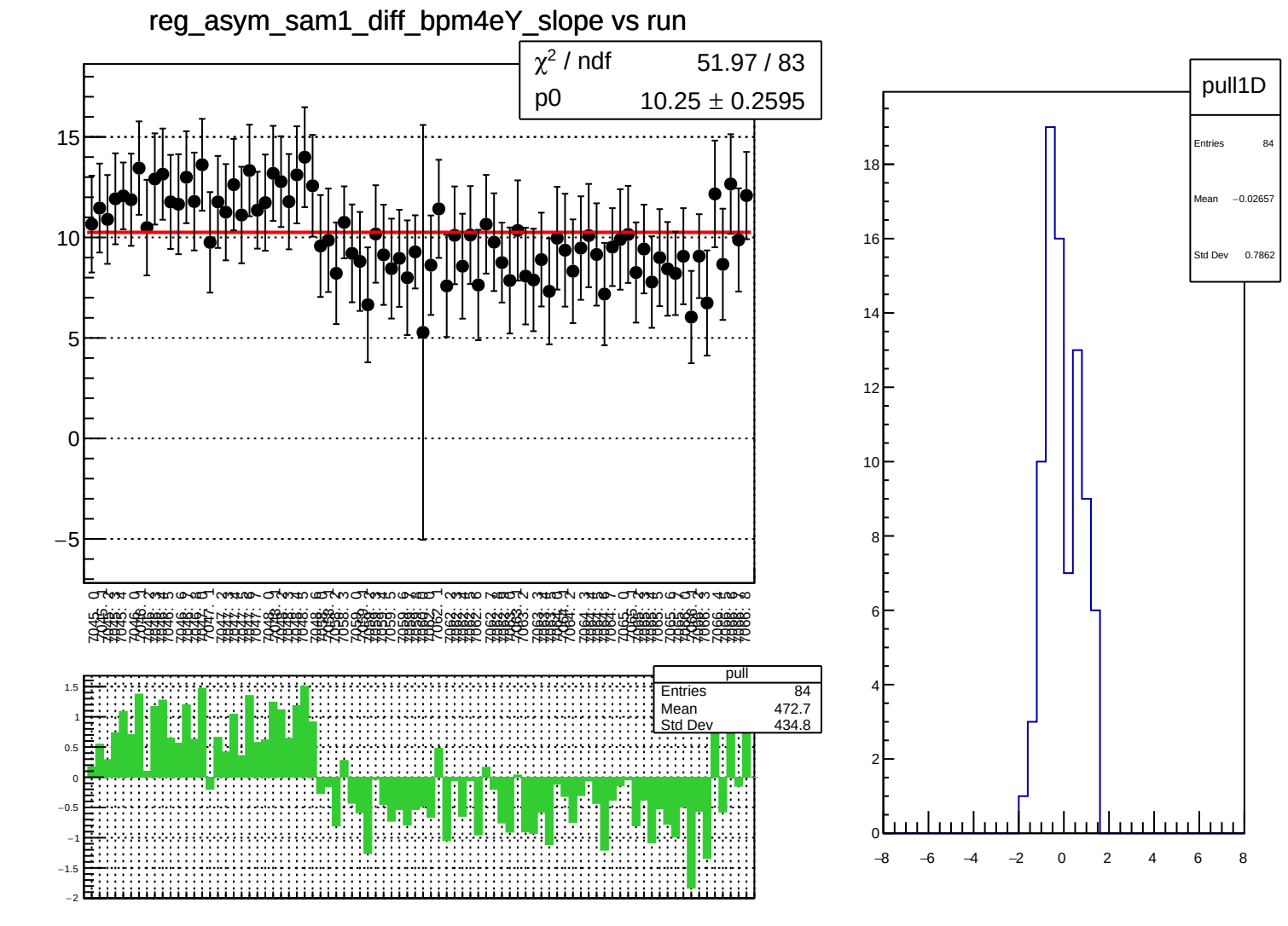

pull1D
Entries 84
Mean −1.837e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

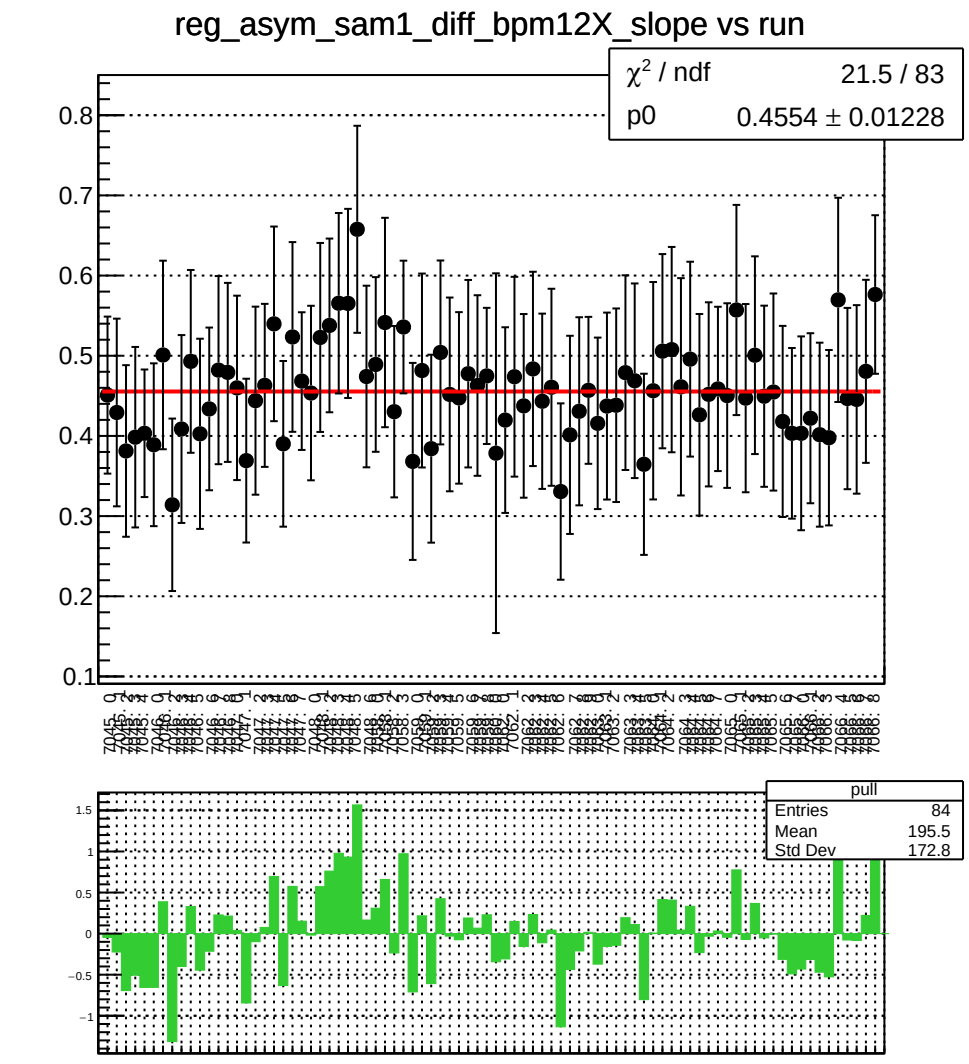

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 85.06 / 83
p0 −4.529 ± 0.3451
pull
Entries 84
Mean −123.3
Std Dev 171.9
pull1D
Entries 84
Mean 0.06832
Std Dev 1.004

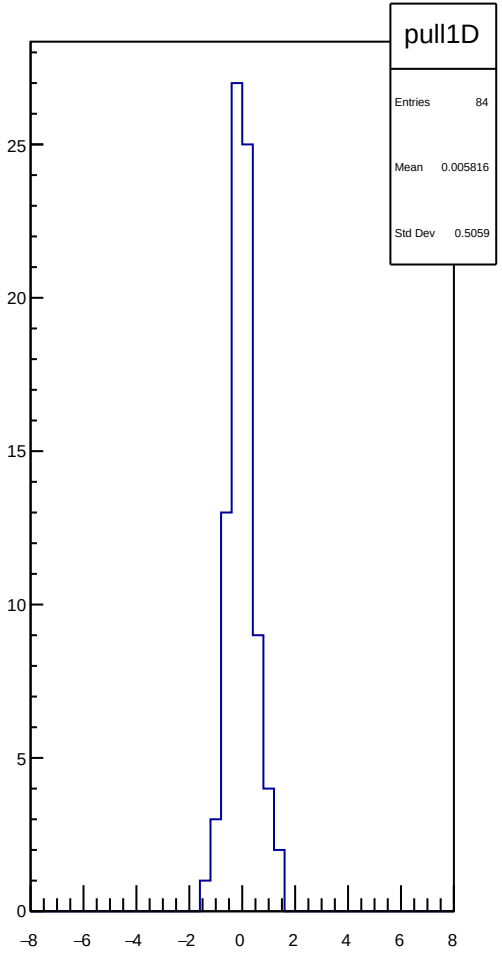

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 51.97 / 83
p0 −50.87 ± 0.2437
pull
Entries 84
Mean 538.1
Std Dev 496.4

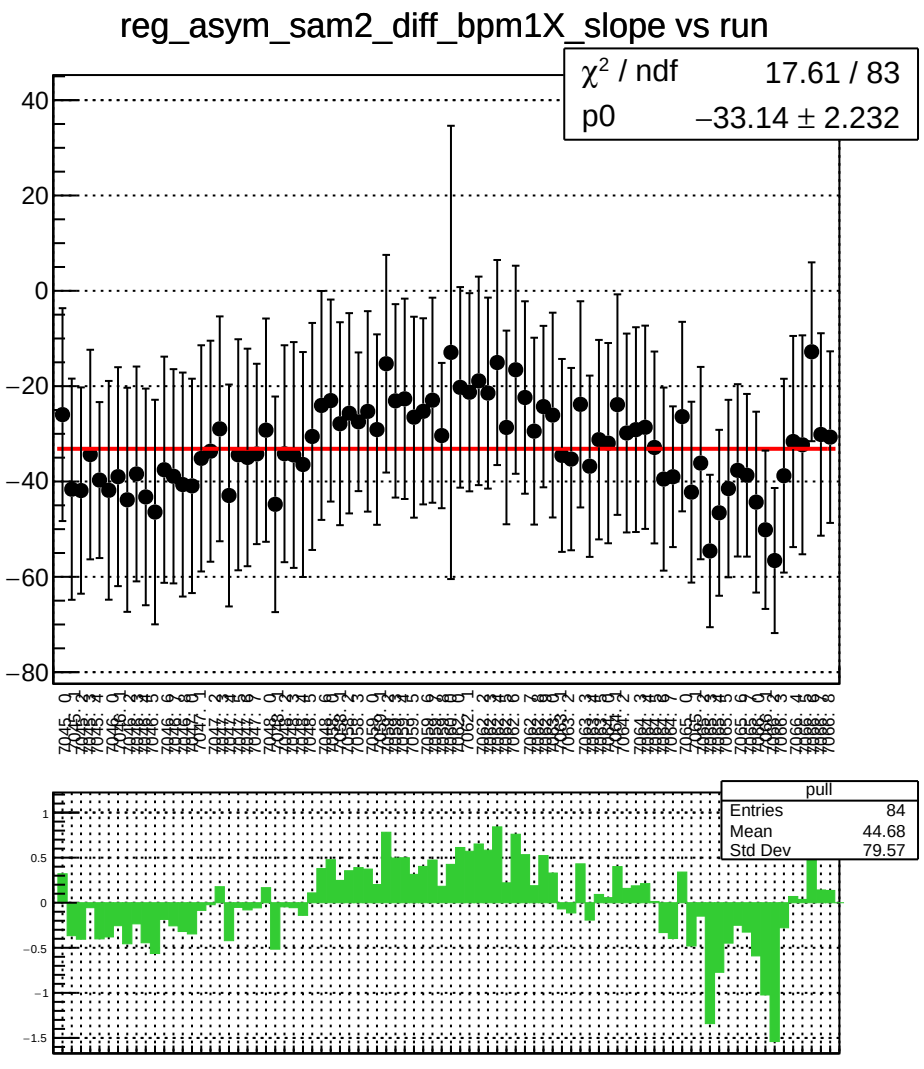

pull1D
Entries 84
Mean 0.02578
Std Dev 0.7861

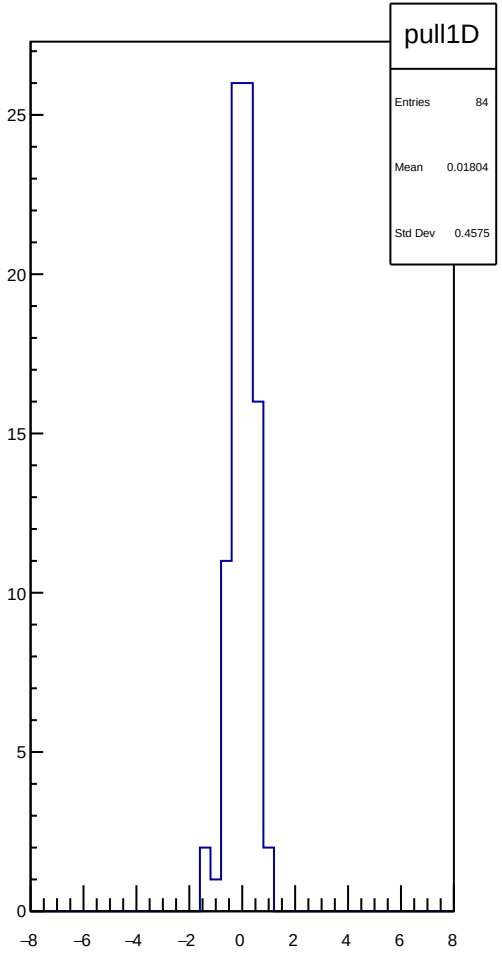

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 82.46 / 83
p0 −9.46 ± 0.3294
pull
Entries 84
Mean −145.8
Std Dev 193.8
pull1D
Entries 84
Mean −0.06266
Std Dev 0.9888

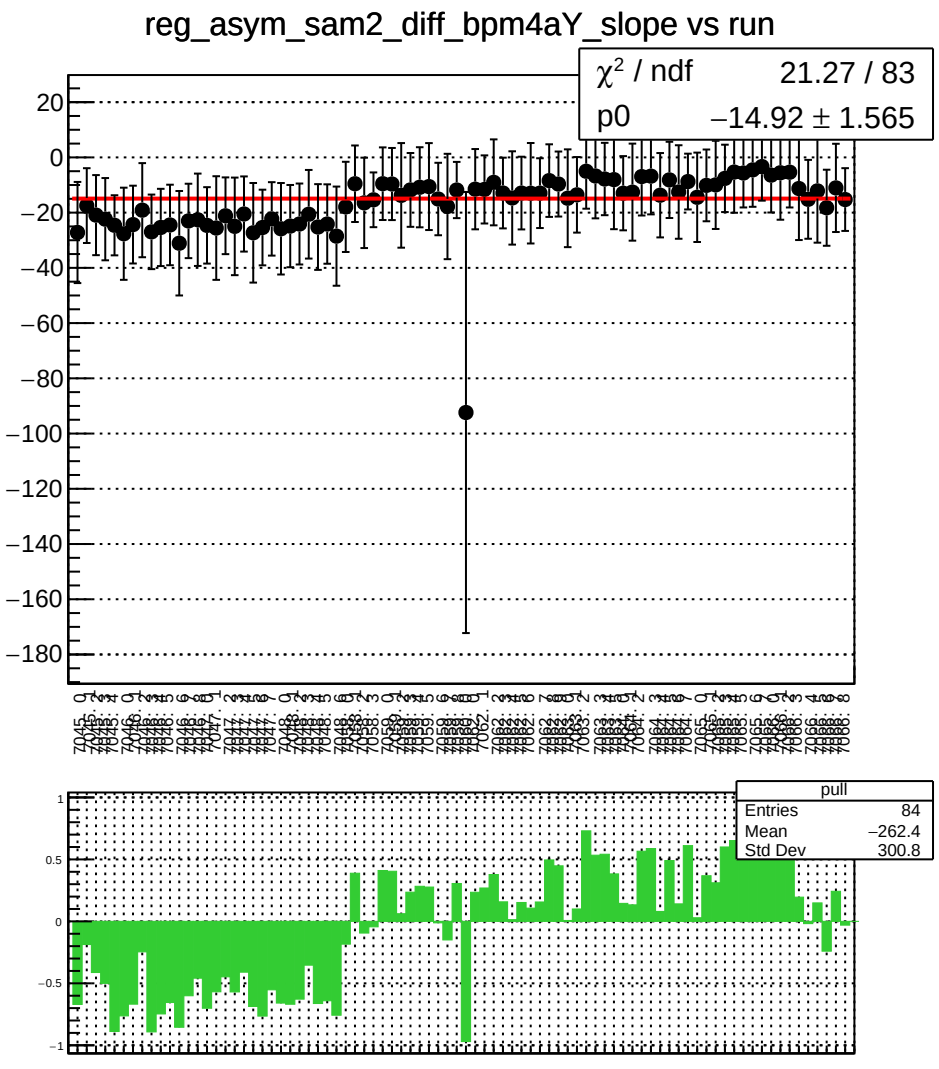

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 51.97 / 83
p0 10.25 ± 0.2595
pull
Entries 84
Mean 472.7
Std Dev 434.8
pull1D
Entries 84
Mean −0.02657
Std Dev 0.7862

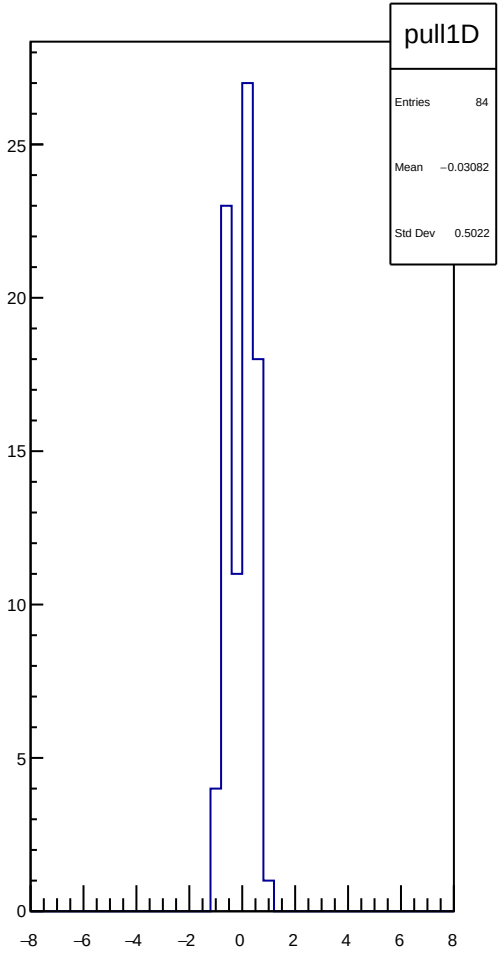

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 21.5 / 83
p0 0.4554 ± 0.01228
pull
Entries 84
Mean 195.5
Std Dev 172.8

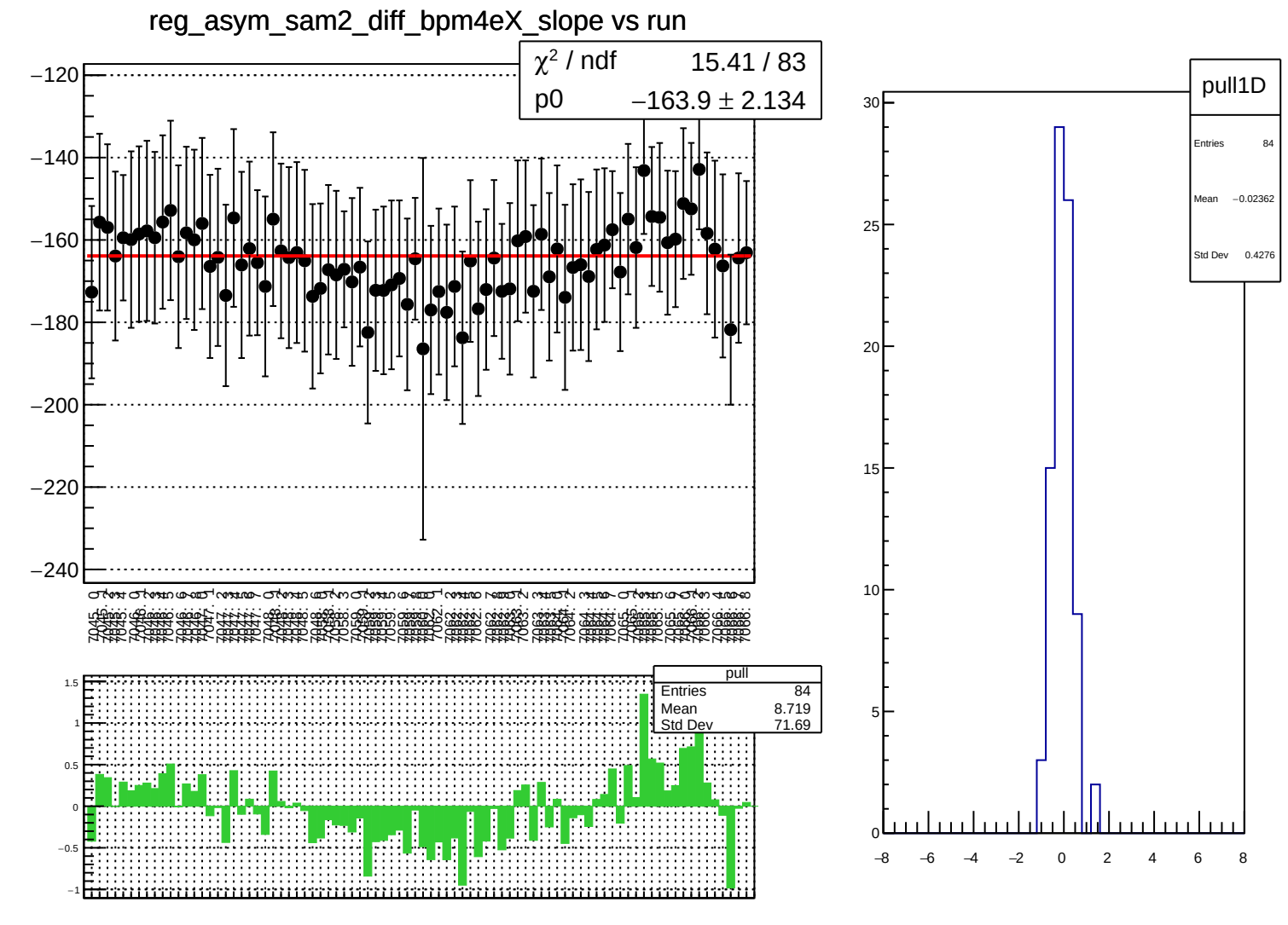

pull1D
Entries 84
Mean 0.005816
Std Dev 0.5059

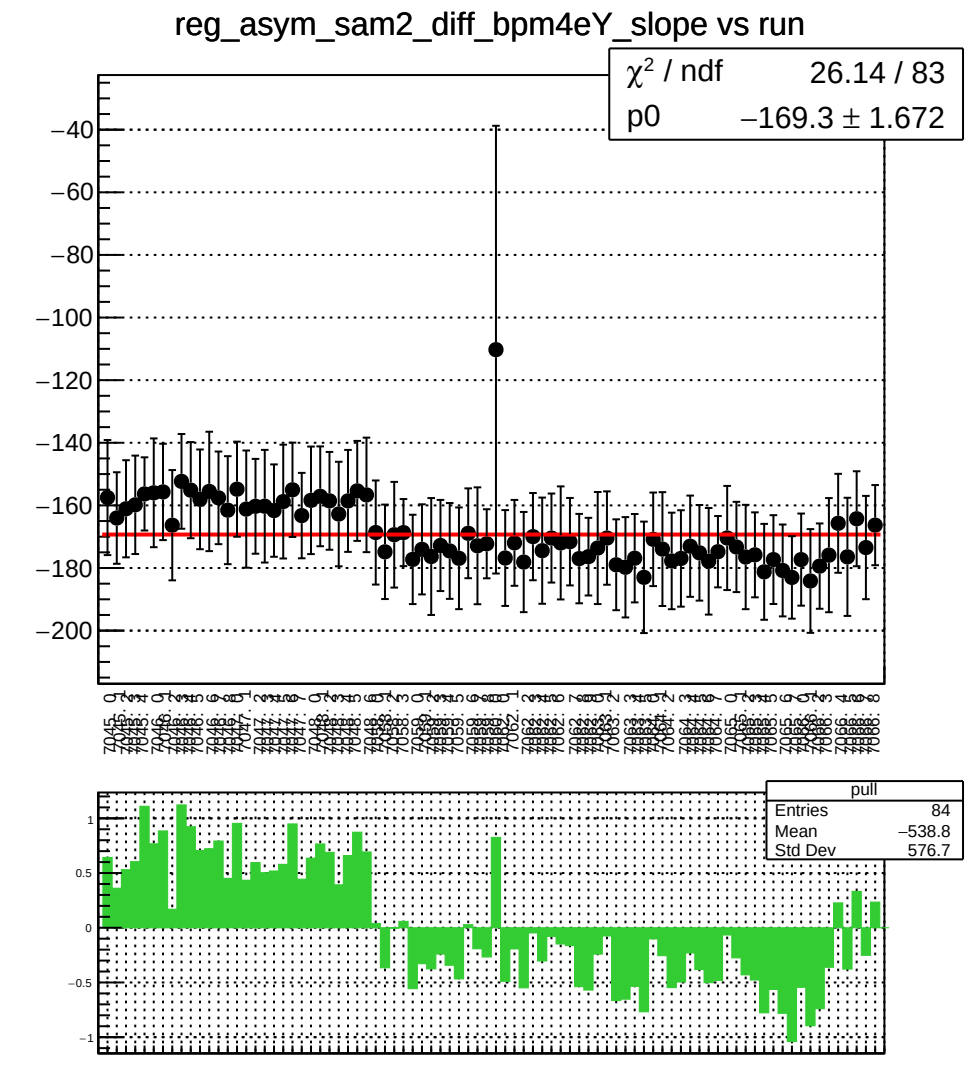

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 17.61 / 83
p0 −33.14 ± 2.232
pull
Entries 84
Mean 44.68
Std Dev 79.57

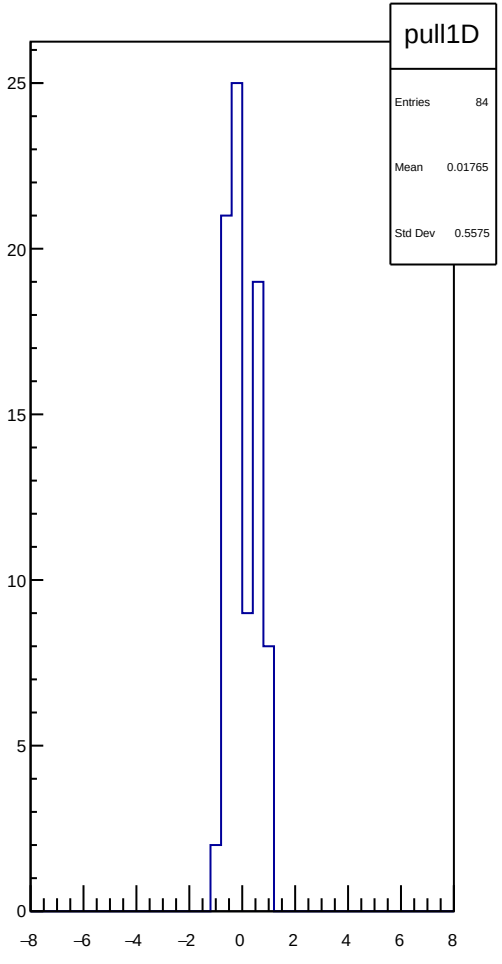

pull1D
Entries 84
Mean 0.01804
Std Dev 0.4575

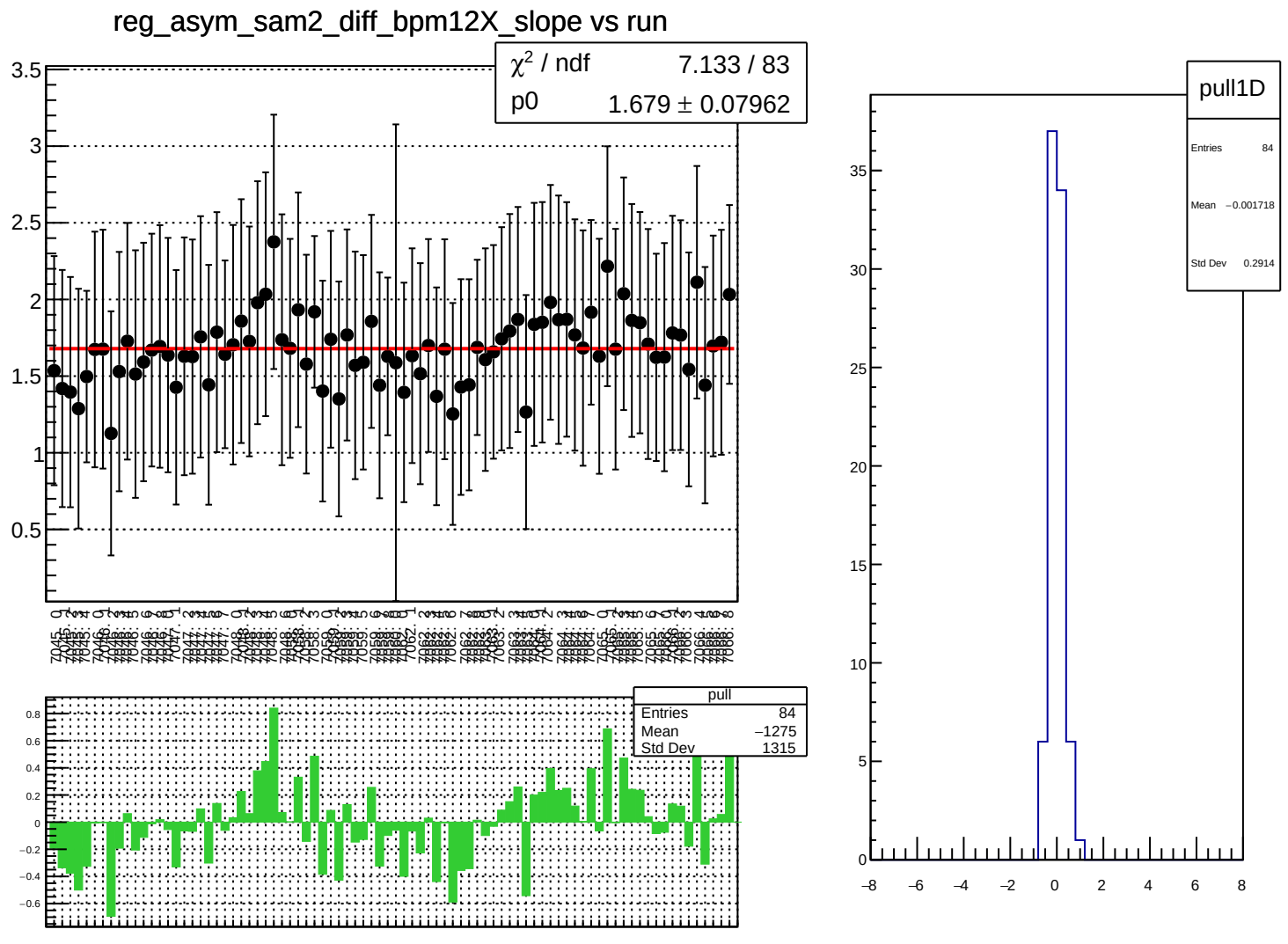

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 21.27 / 83
p0 −14.92 ± 1.565
pull
Entries 84
Mean −262.4
Std Dev 300.8

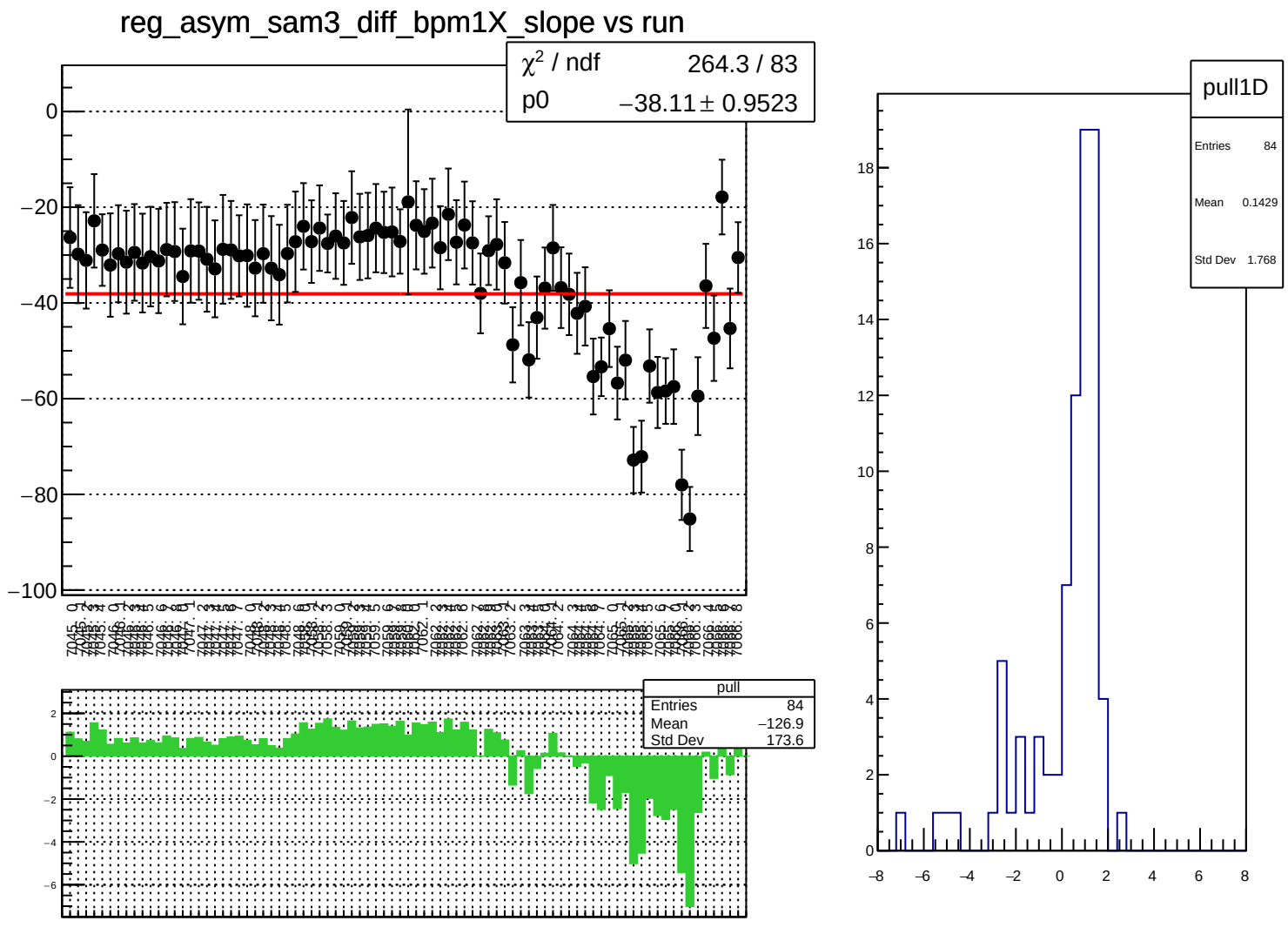

pull1D
Entries 84
Mean −0.03082
Std Dev 0.5022

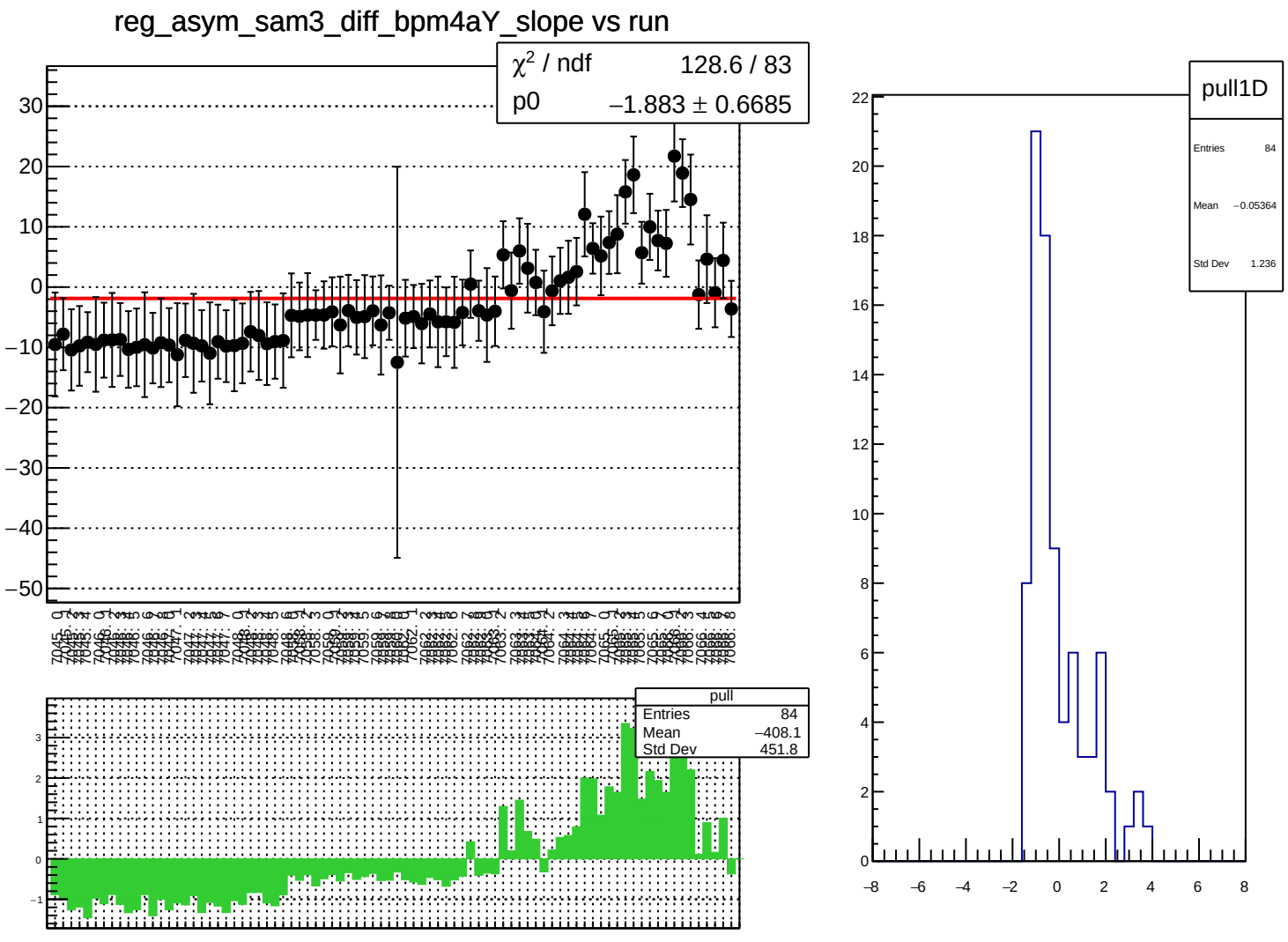

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.41 / 83
p0 −163.9 ± 2.134
pull
Entries 84
Mean 8.719
Std Dev 71.69
pull1D
Entries 84
Mean −0.02362
Std Dev 0.4276

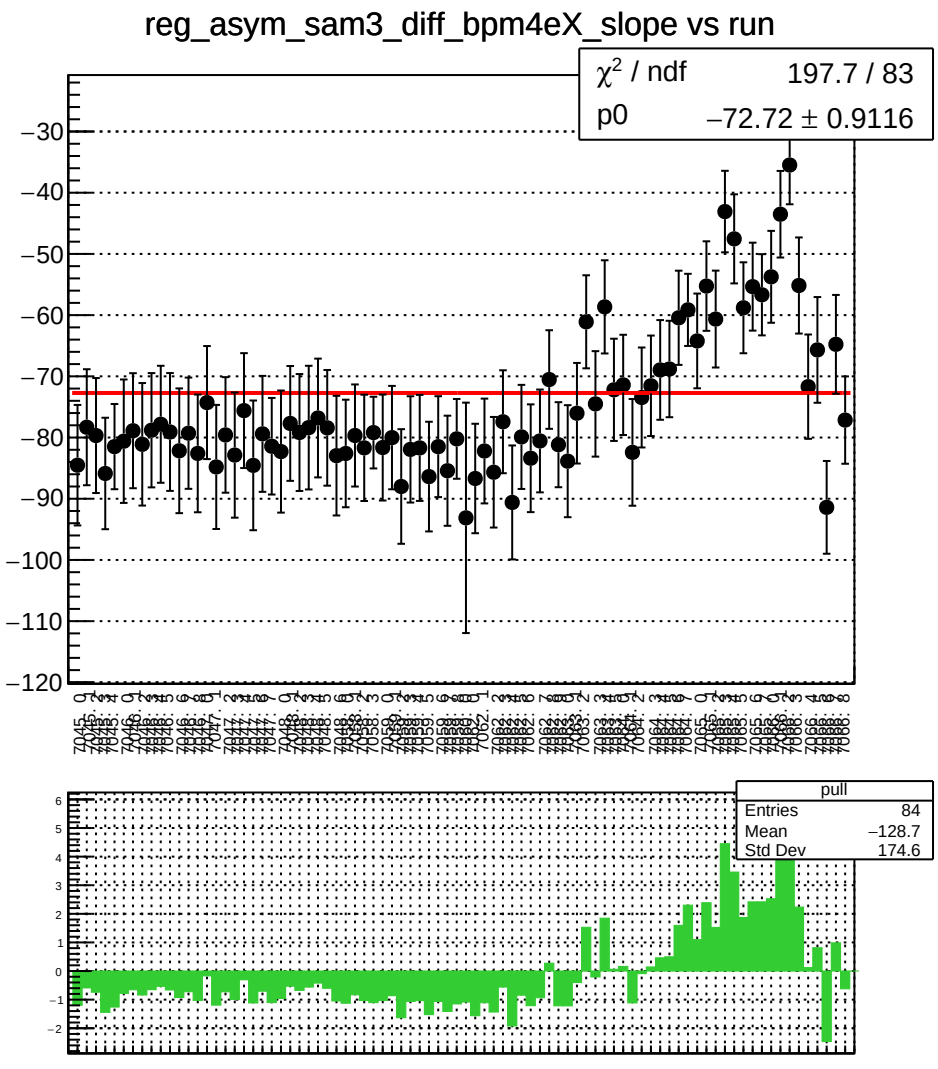

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 26.14 / 83
p0 −169.3 ± 1.672
pull
Entries 84
Mean −538.8
Std Dev 576.7

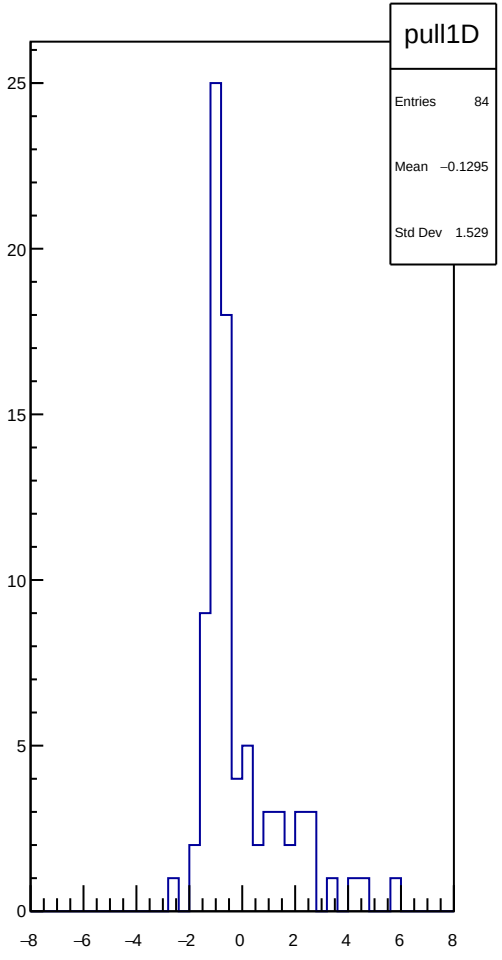

pull1D
Entries 84
Mean 0.01765
Std Dev 0.5575

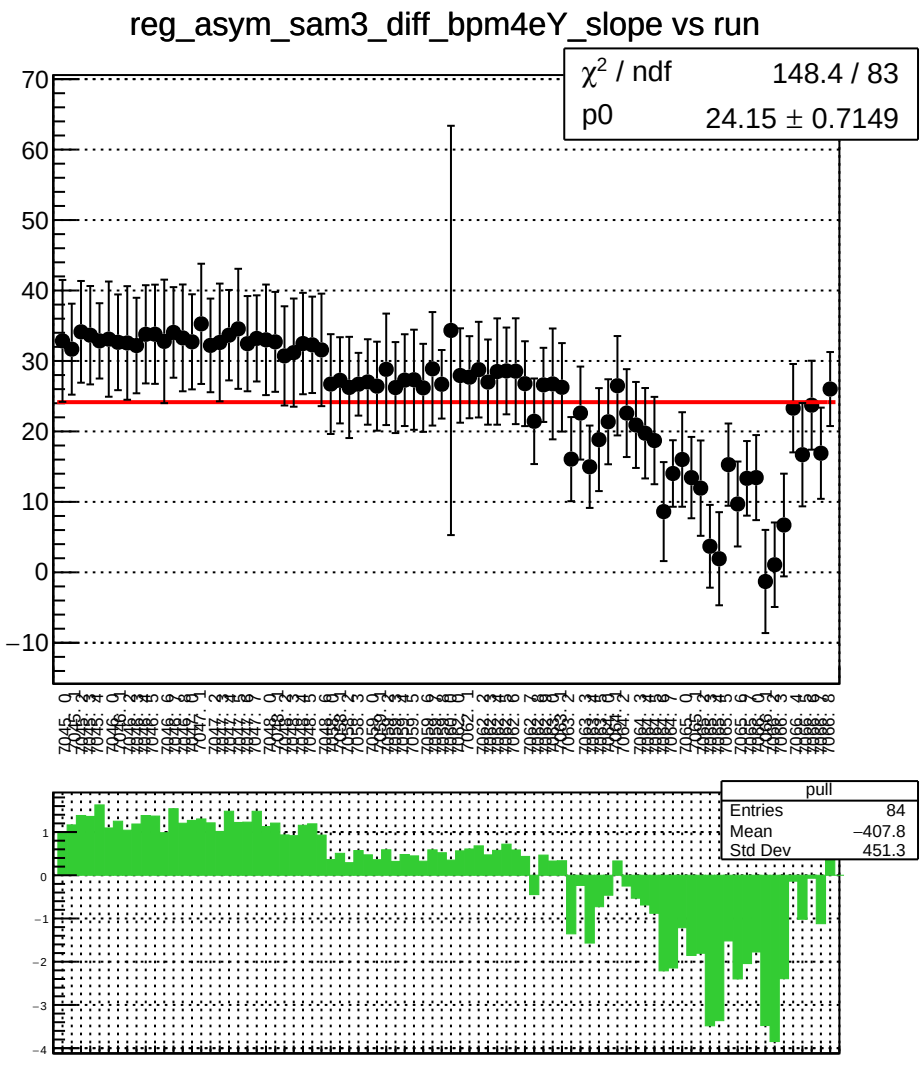

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 7.133 / 83
p0 1.679 ± 0.07962
pull
Entries 84
Mean −1275
Std Dev 1315
pull1D
Entries 84
Mean −0.001718
Std Dev 0.2914

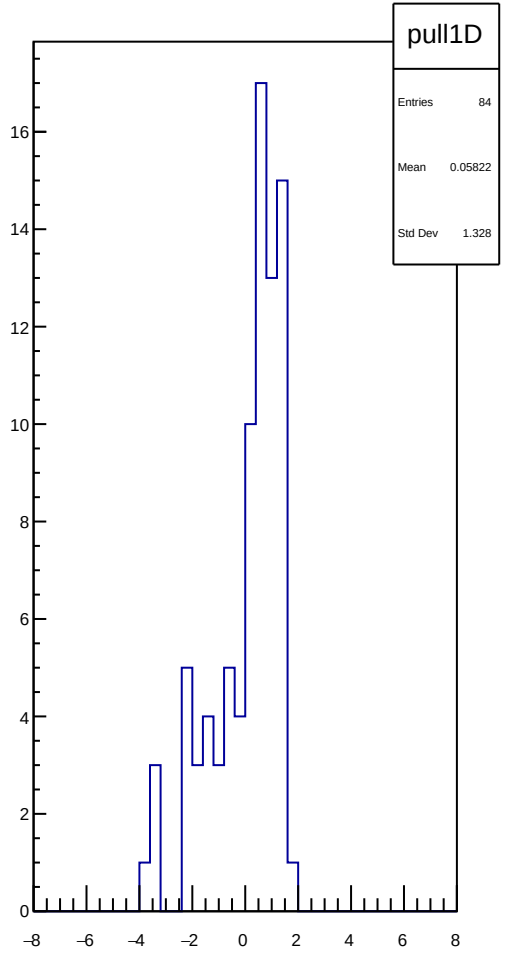

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 264.3 / 83
p0 −38.11 ± 0.9523
pull
Entries 84
Mean −126.9
Std Dev 173.6
pull1D
Entries 84
Mean 0.1429
Std Dev 1.768

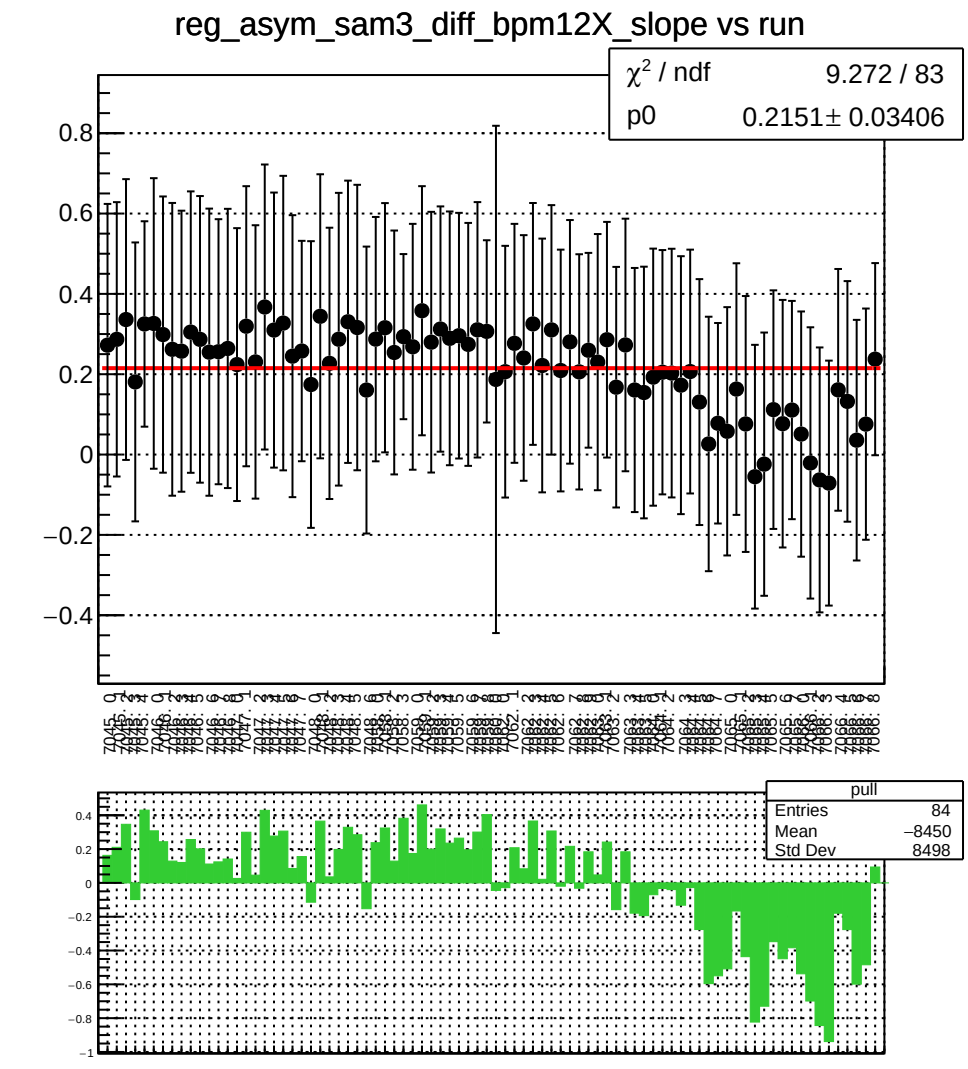

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 128.6 / 83
p0 −1.883 ± 0.6685
pull
Entries 84
Mean −408.1
Std Dev 451.8
pull1D
Entries 84
Mean −0.05364
Std Dev 1.236

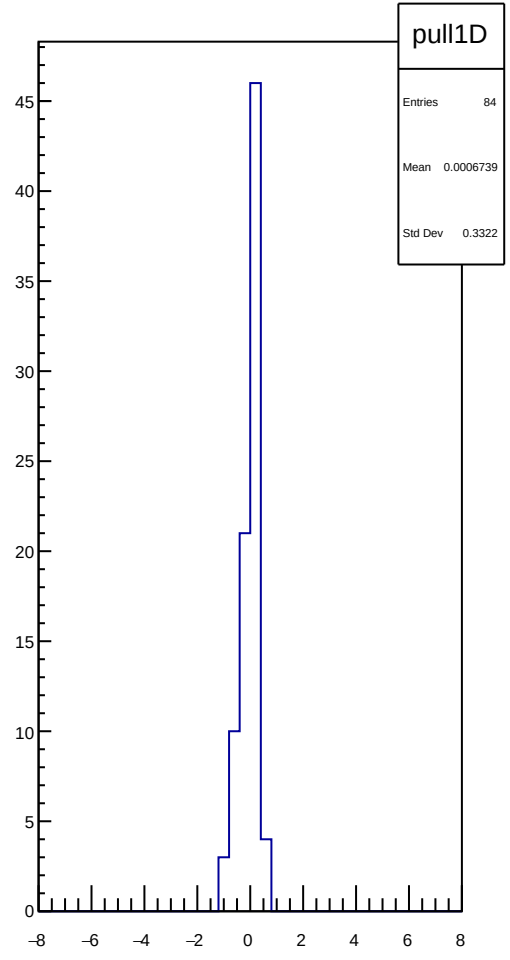

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 197.7 / 83
p0 −72.72 ± 0.9116
pull
Entries 84
Mean −128.7
Std Dev 174.6

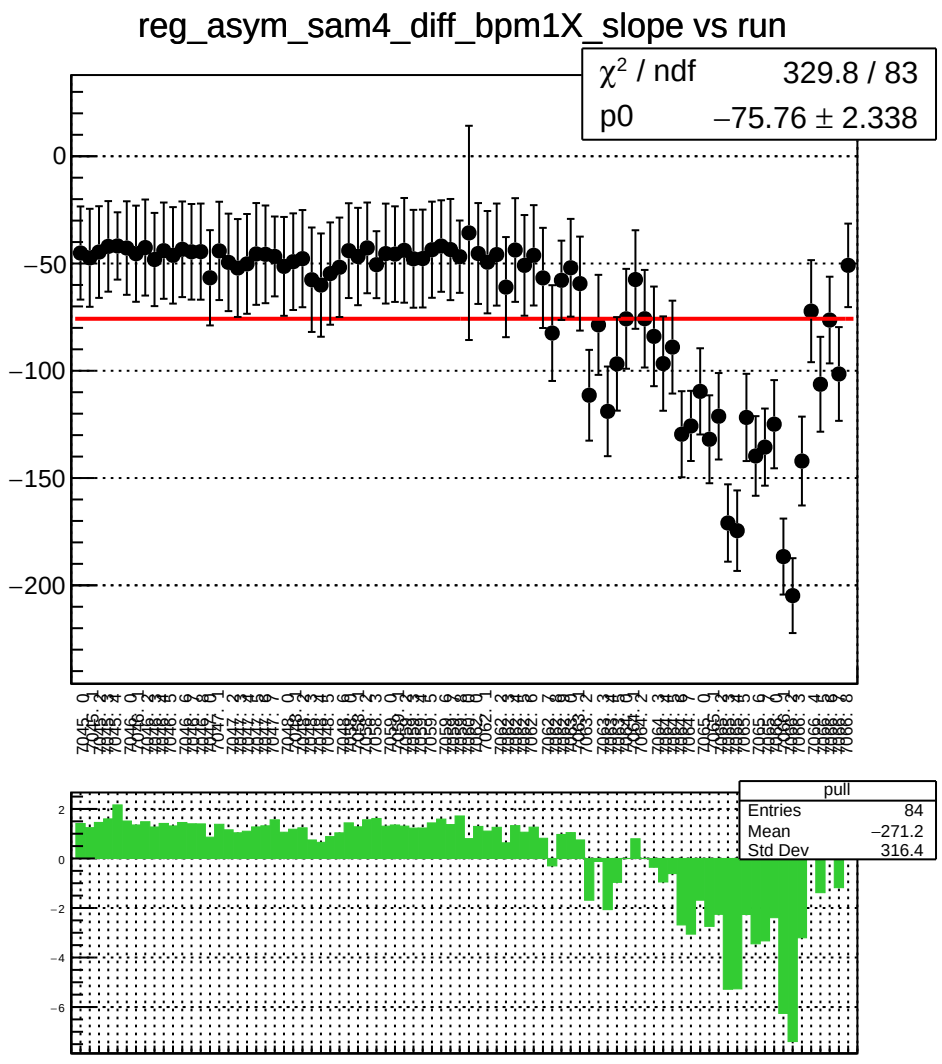

pull1D
Entries 84
Mean −0.1295
Std Dev 1.529

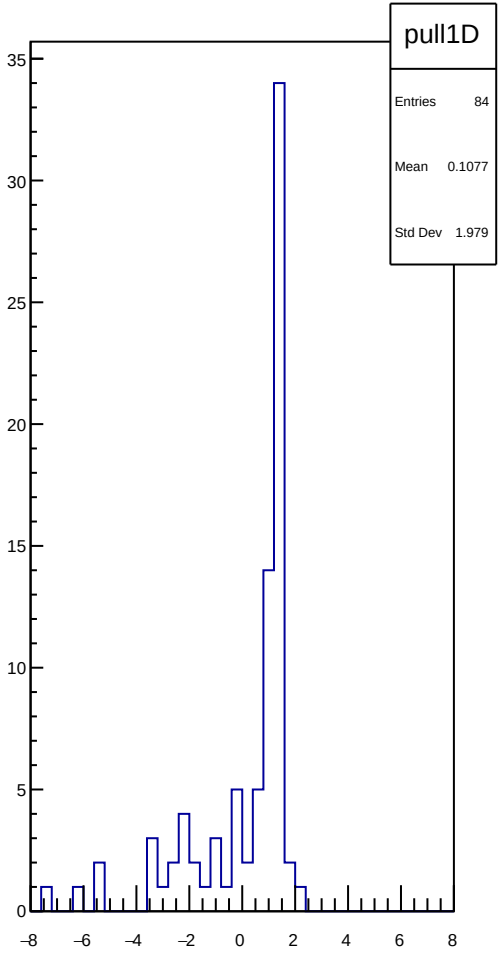

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 148.4 / 83
p0 24.15 ± 0.7149
pull
Entries 84
Mean −407.8
Std Dev 451.3

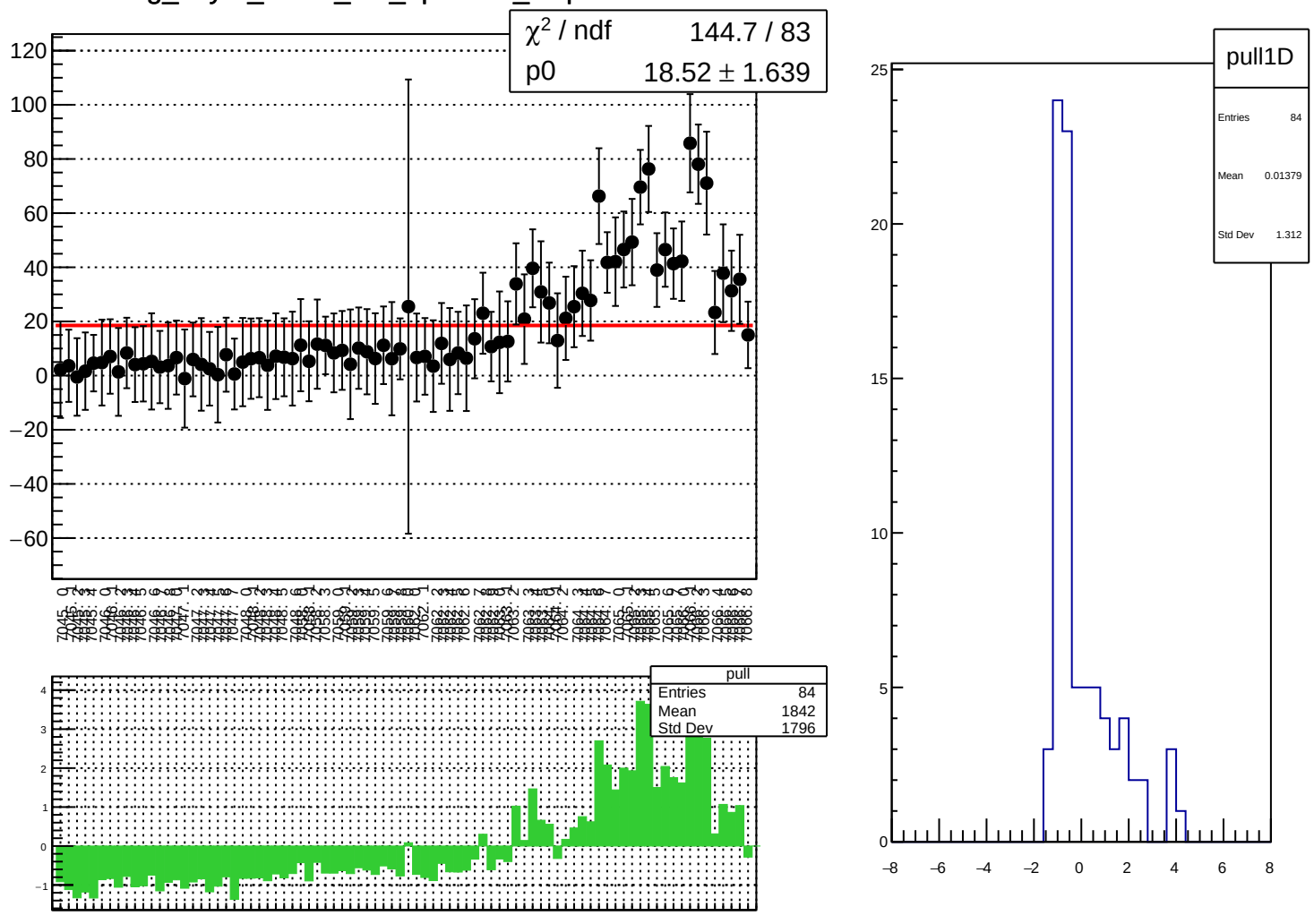

pull1D
Entries 84
Mean 0.05822
Std Dev 1.328

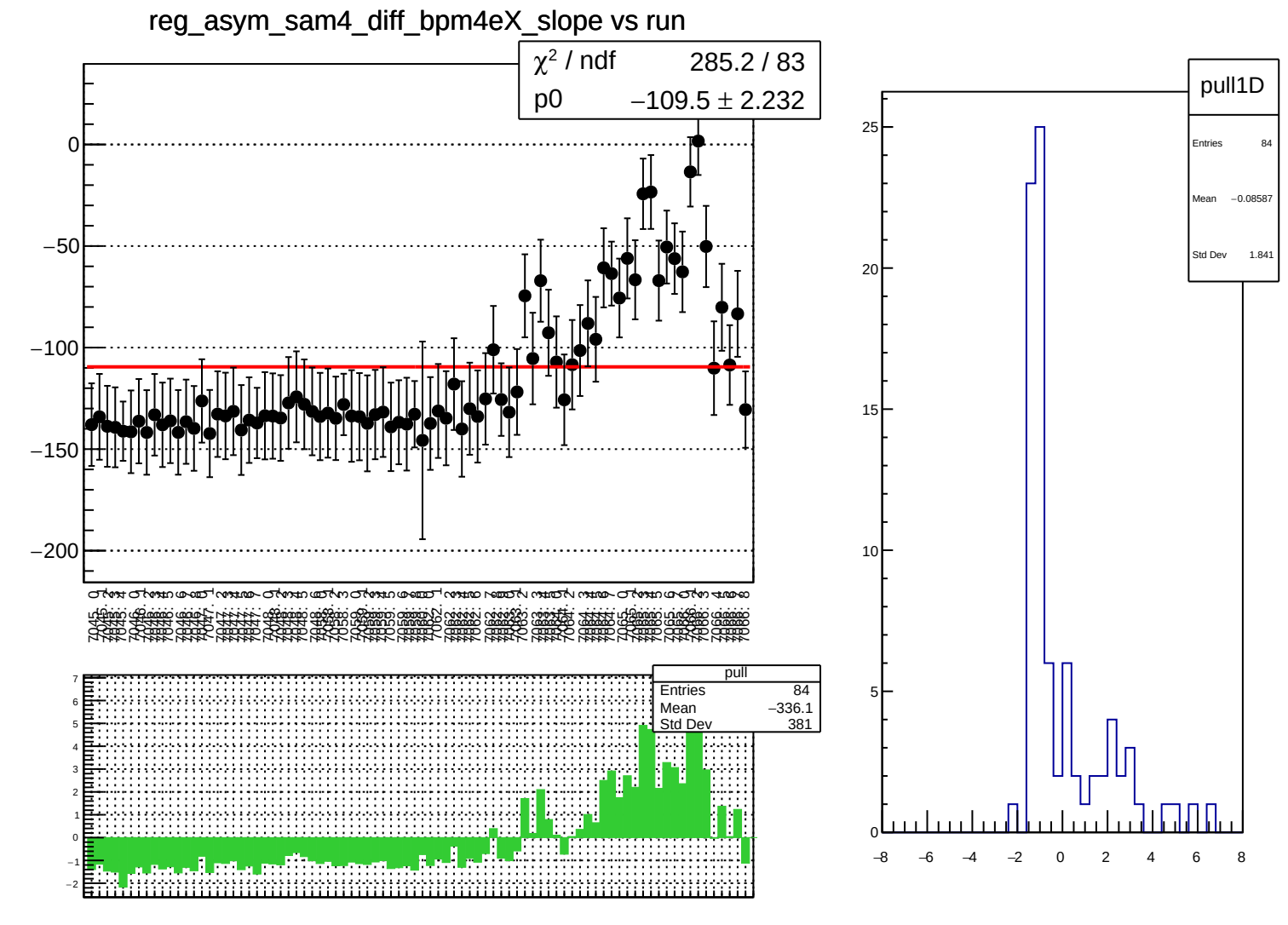

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 9.272 / 83
p0 0.2151± 0.03406
pull
Entries 84
Mean −8450
Std Dev 8498

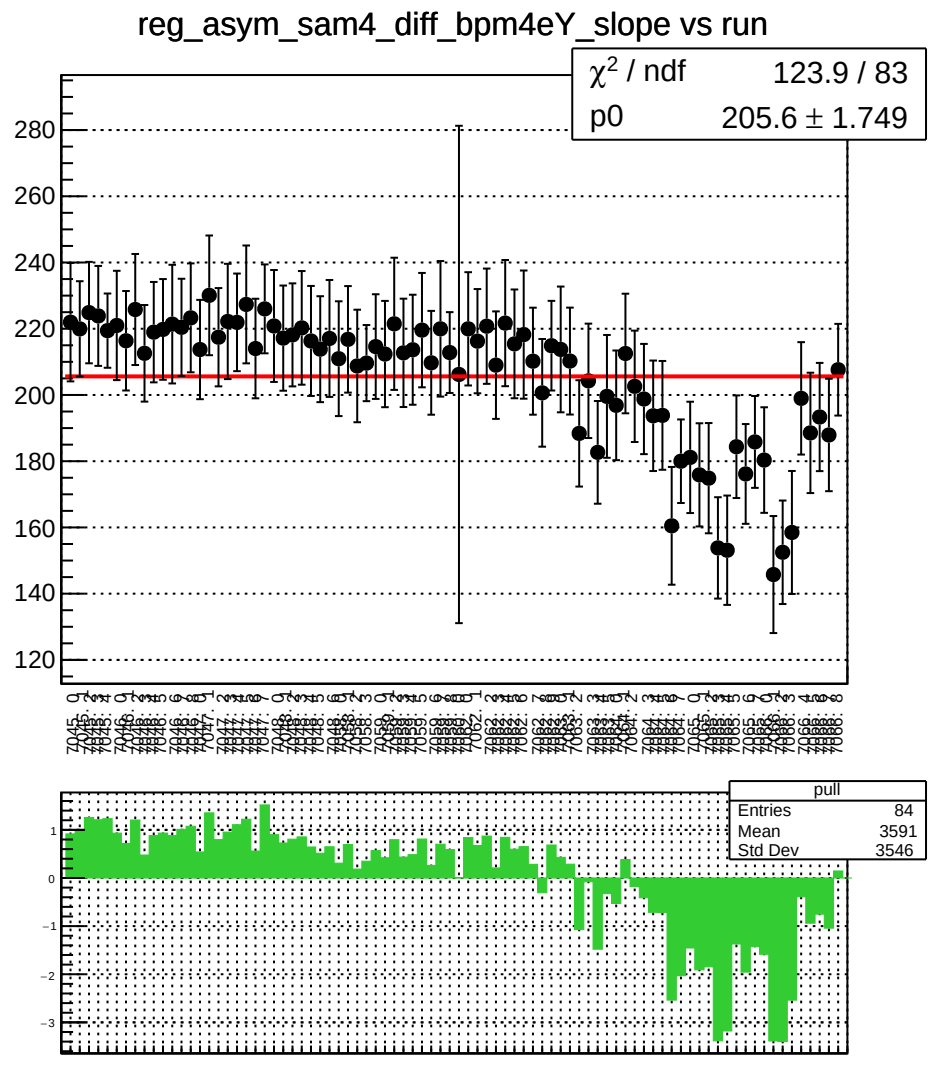

pull1D
Entries 84
Mean 0.0006739
Std Dev 0.3322

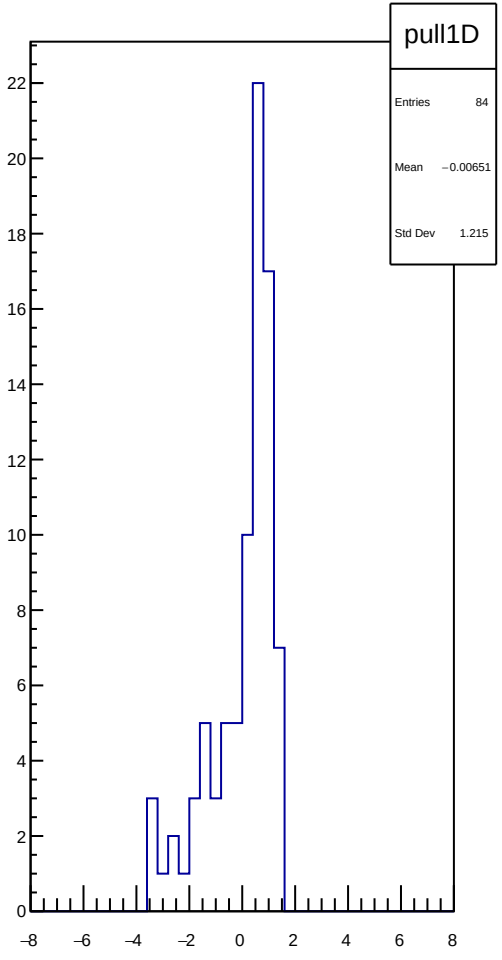

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 329.8 / 83
p0 −75.76 ± 2.338
pull
Entries 84
Mean −271.2
Std Dev 316.4

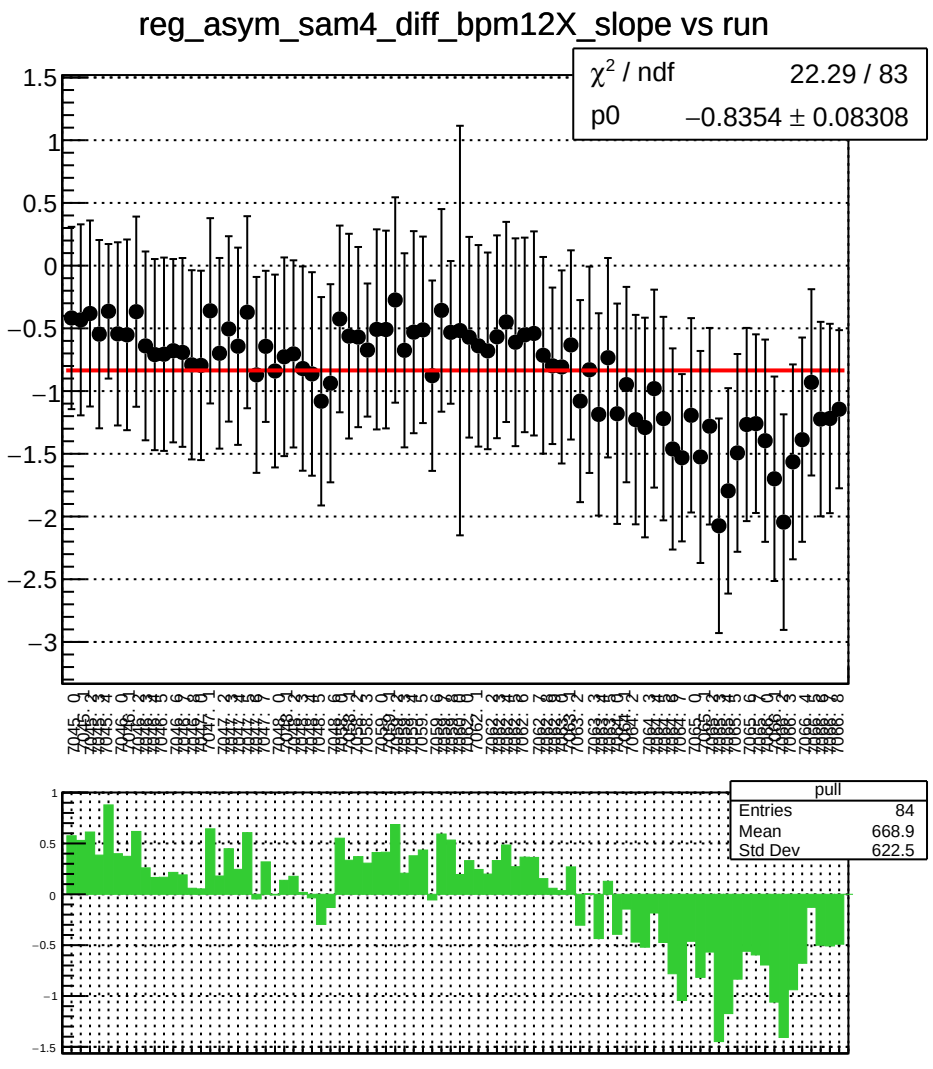

pull1D
Entries 84
Mean 0.1077
Std Dev 1.979

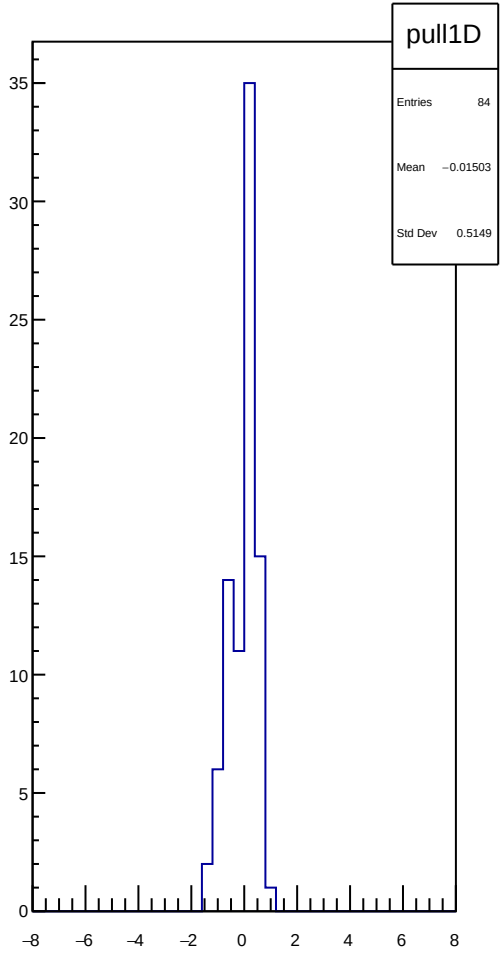

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 144.7 / 83
p0 18.52 ± 1.639
pull
Entries 84
Mean 1842
Std Dev 1796
pull1D
Entries 84
Mean 0.01379
Std Dev 1.312

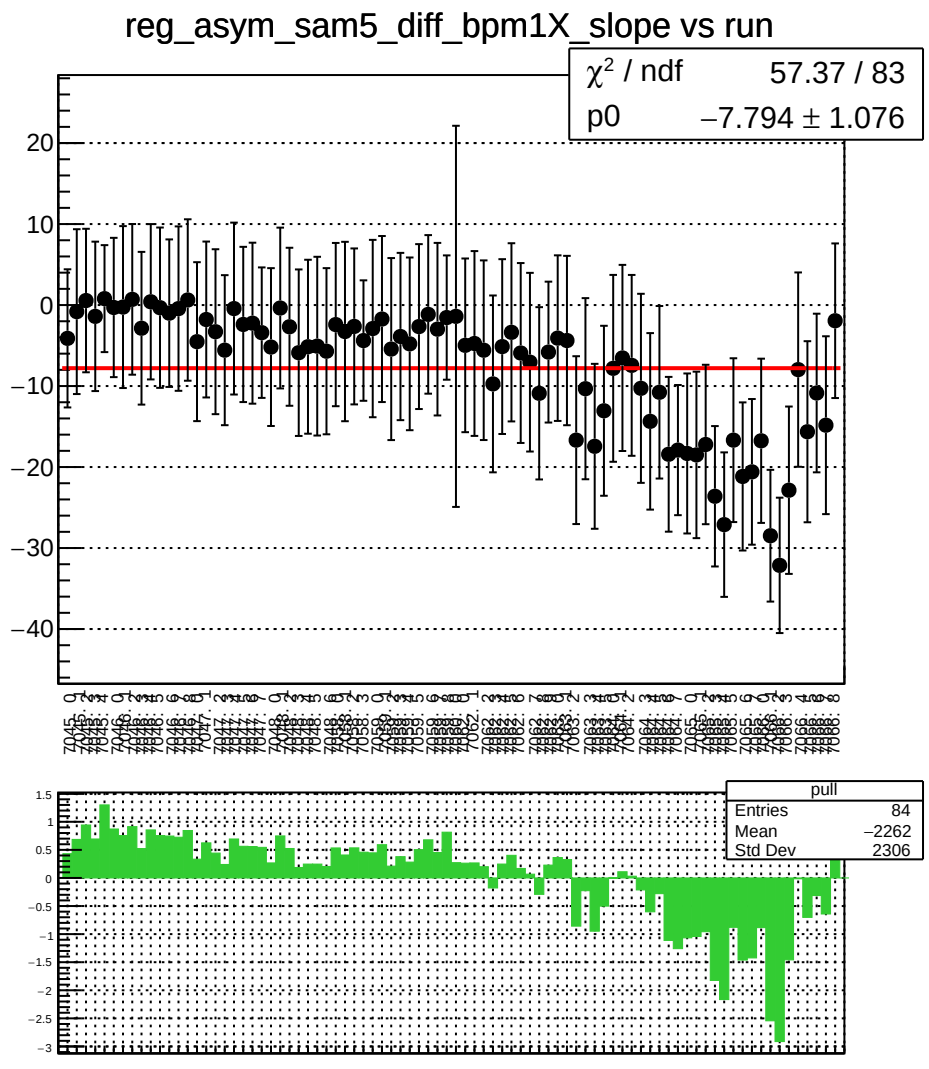

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 285.2 / 83
p0 −109.5 ± 2.232
0
−50
−100
−150
−200
pull
Entries 84
Mean −336.1
Std Dev 381
pull1D
Entries 84
Mean −0.08587
Std Dev 1.841

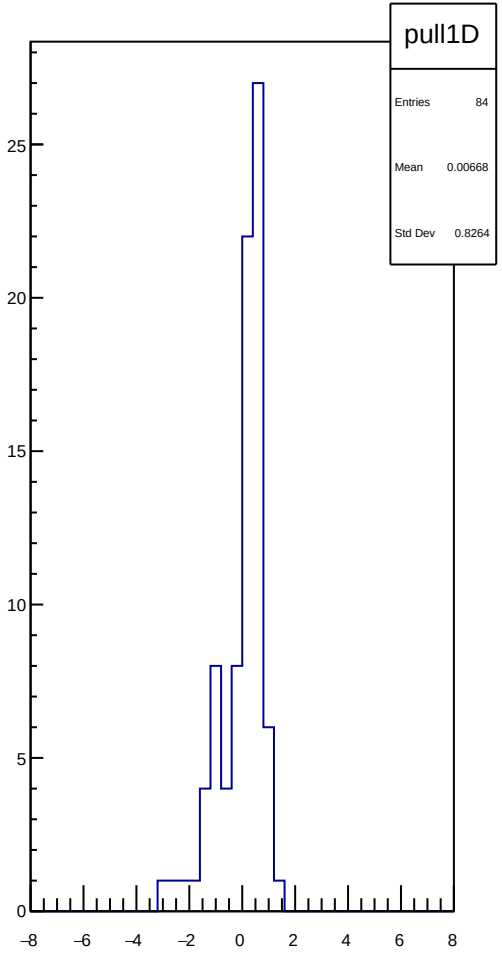

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 123.9 / 83
p0 205.6 ± 1.749
pull
Entries 84
Mean 3591
Std Dev 3546

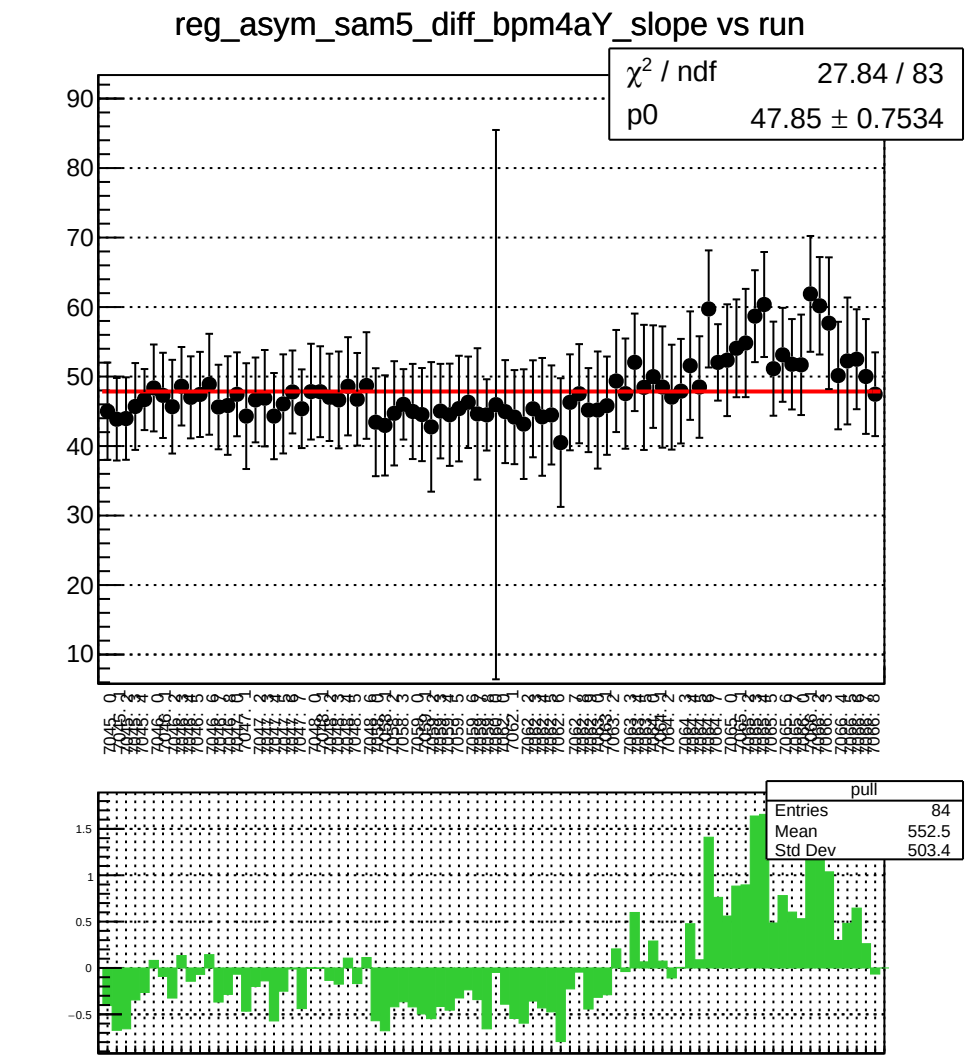

pull1D
Entries 84
Mean −0.00651
Std Dev 1.215

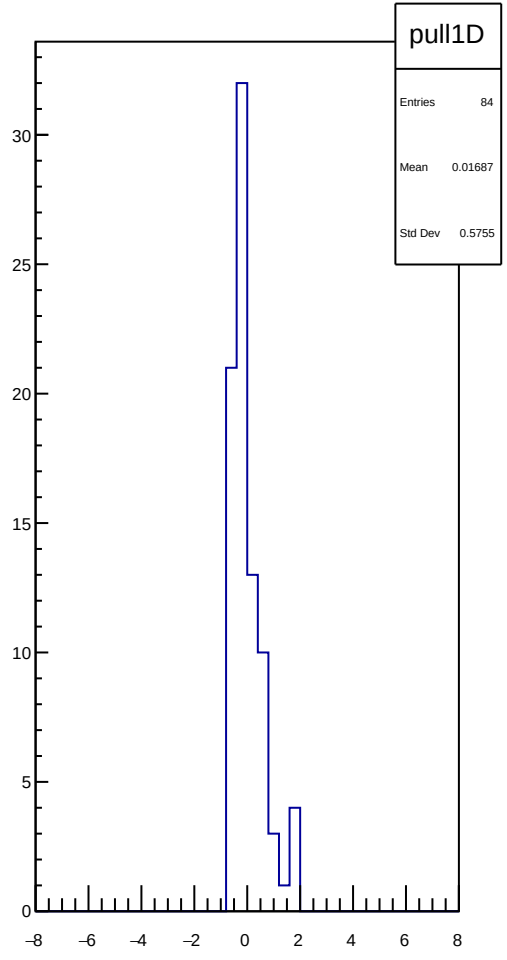

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 22.29 / 83
p0 −0.8354 ± 0.08308
pull
Entries 84
Mean 668.9
Std Dev 622.5

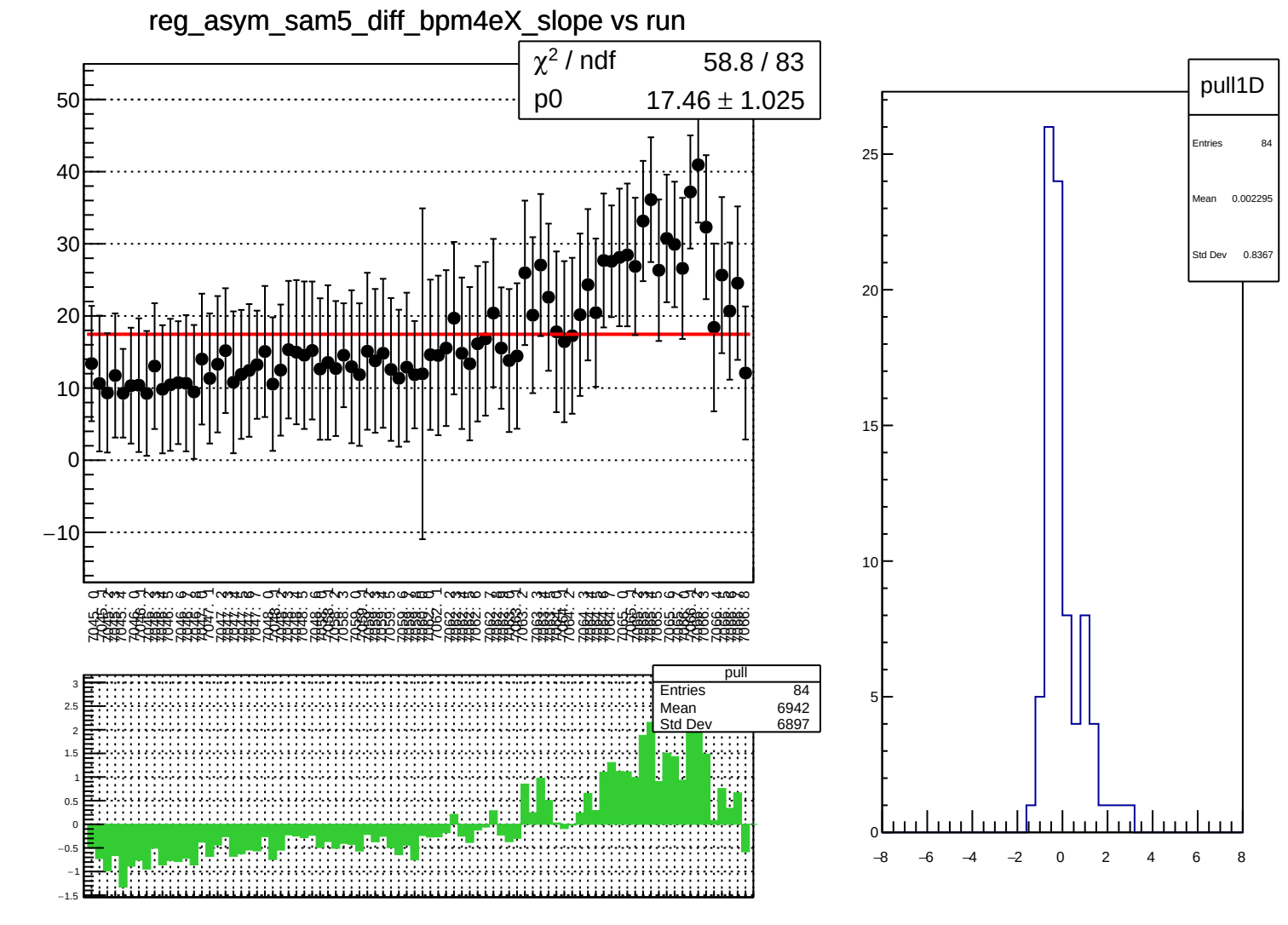

pull1D
Entries 84
Mean −0.01503
Std Dev 0.5149

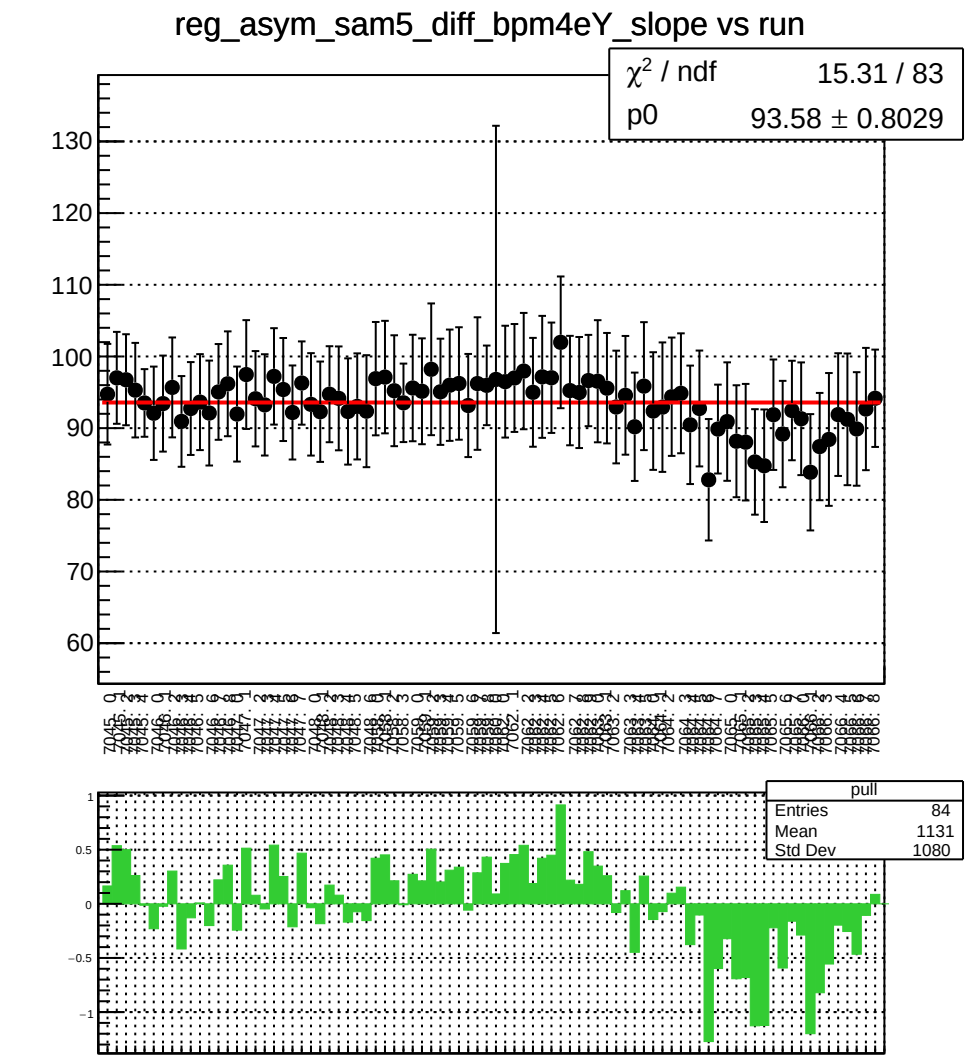

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 57.37 / 83
p0 −7.794 ± 1.076
pull
Entries 84
Mean −2262
Std Dev 2306

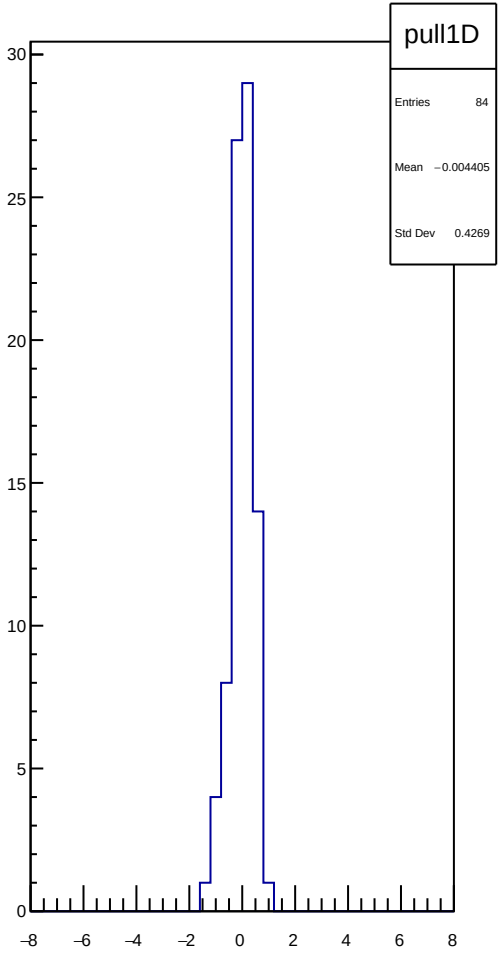

pull1D
Entries 84
Mean 0.00668
Std Dev 0.8264

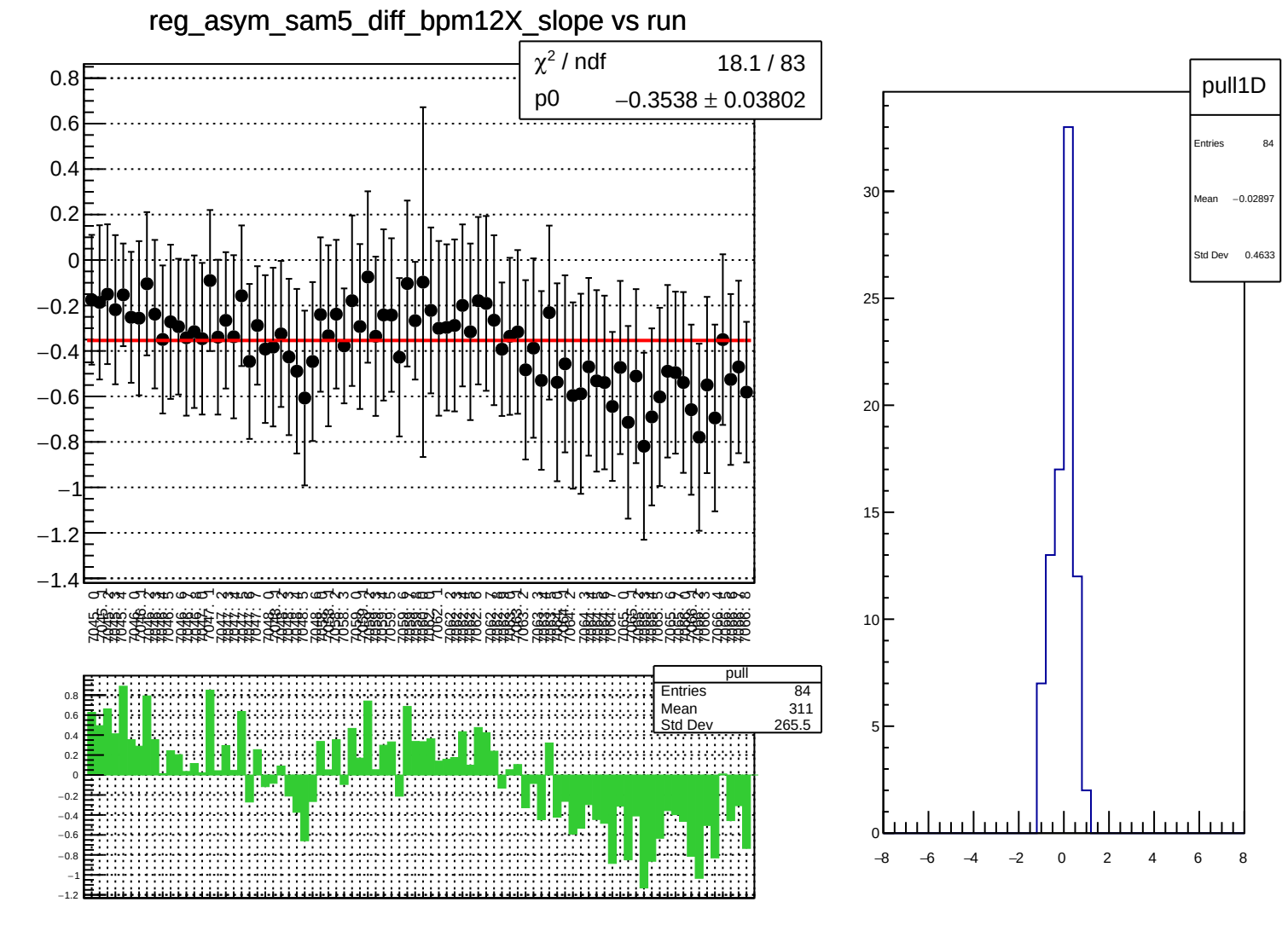

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 27.84 / 83
p0 47.85 ± 0.7534
pull
Entries 84
Mean 552.5
Std Dev 503.4

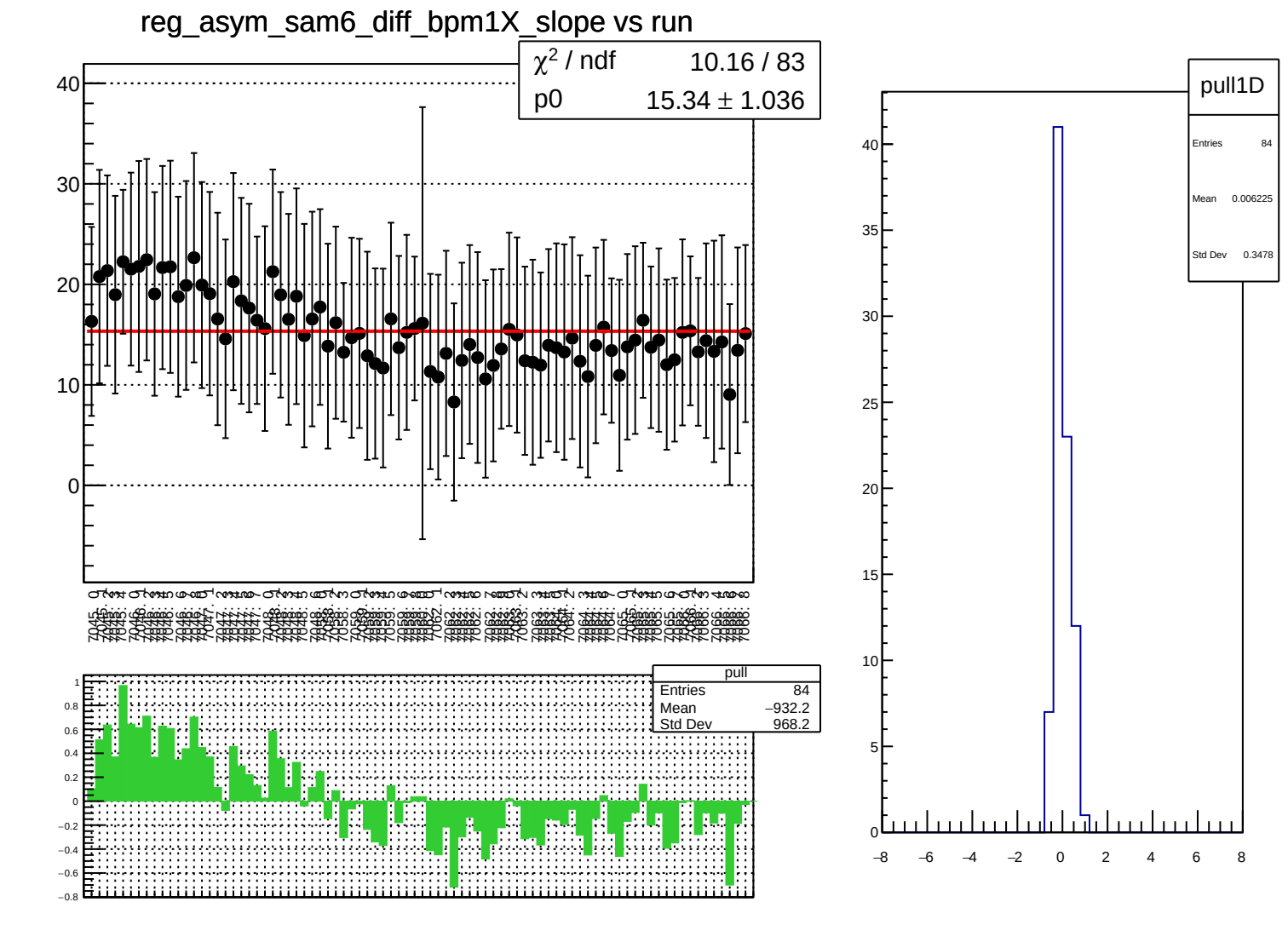

pull1D
Entries 84
Mean 0.01687
Std Dev 0.5755

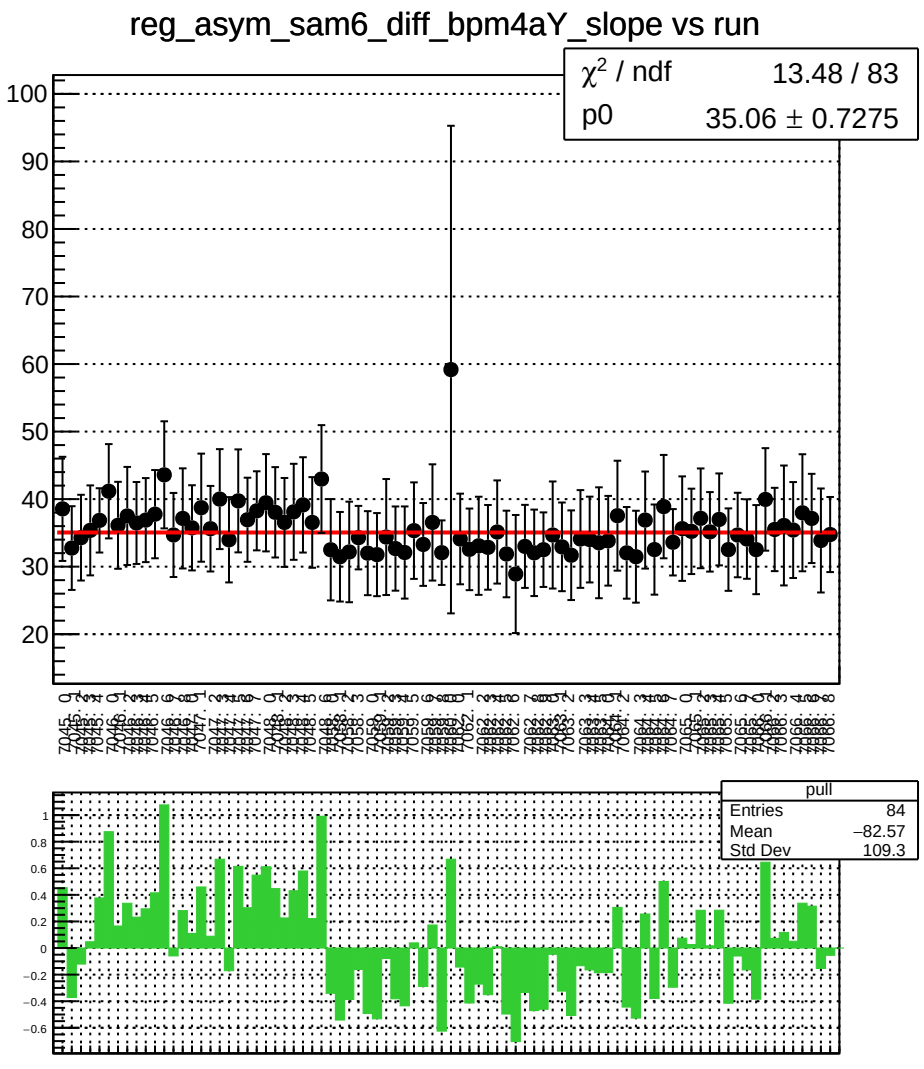

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 58.8 / 83
p0 17.46 ± 1.025
pull
Entries 84
Mean 6942
Std Dev 6897
pull1D
Entries 84
Mean 0.002295
Std Dev 0.8367

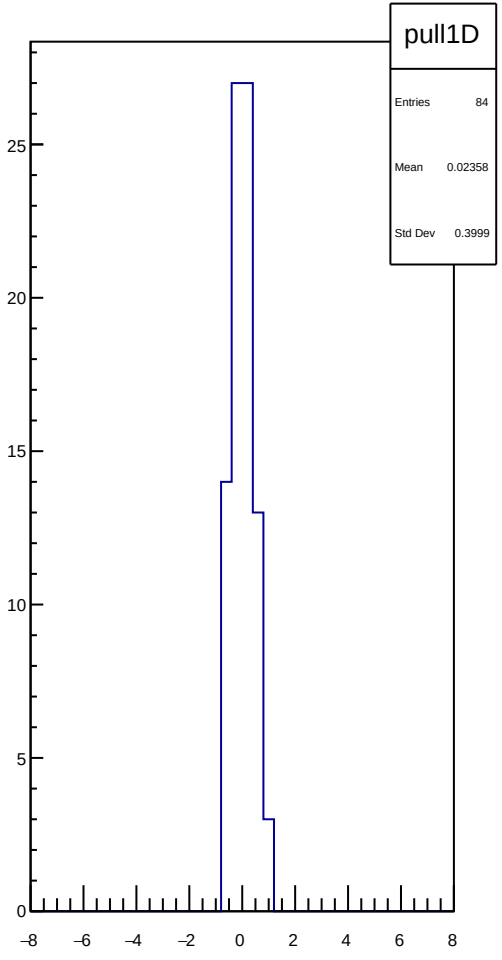

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 15.31 / 83
p0 93.58 ± 0.8029
pull
Entries 84
Mean 1131
Std Dev 1080

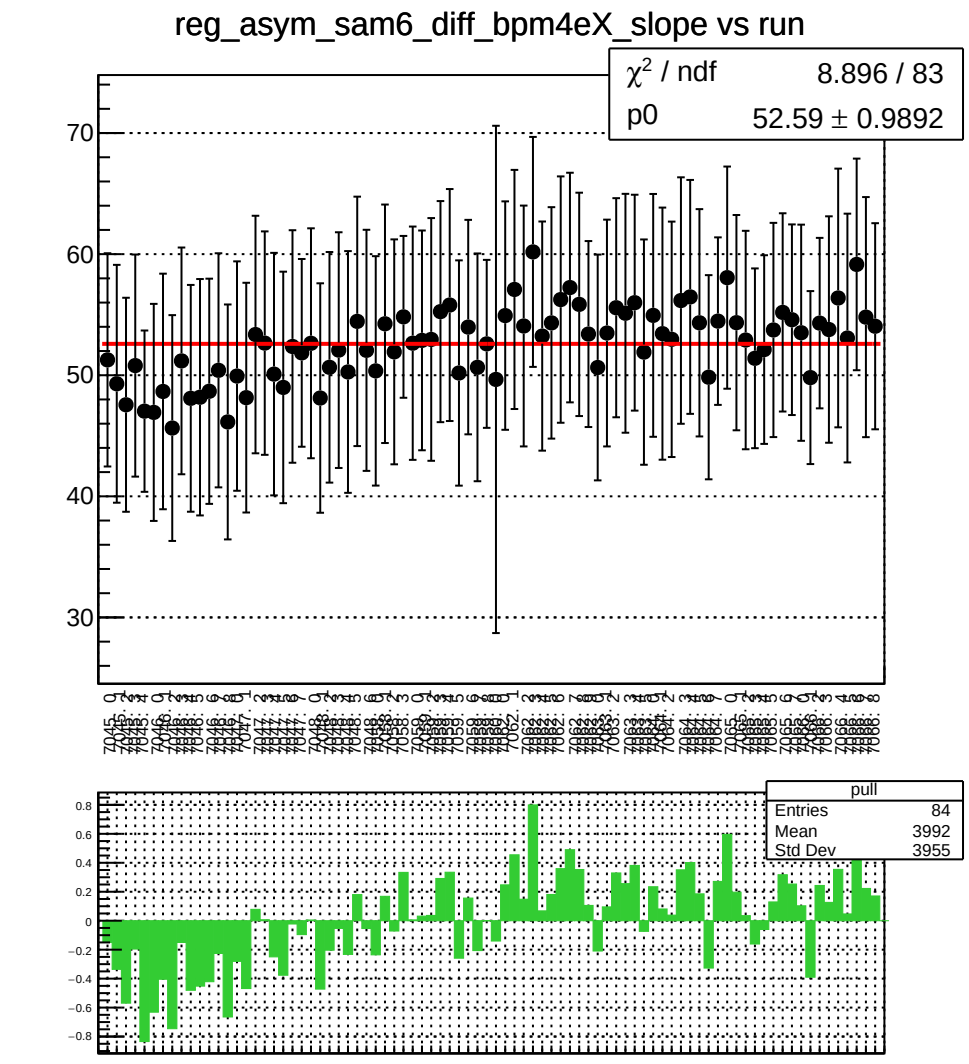

pull1D
Entries 84
Mean −0.004405
Std Dev 0.4269

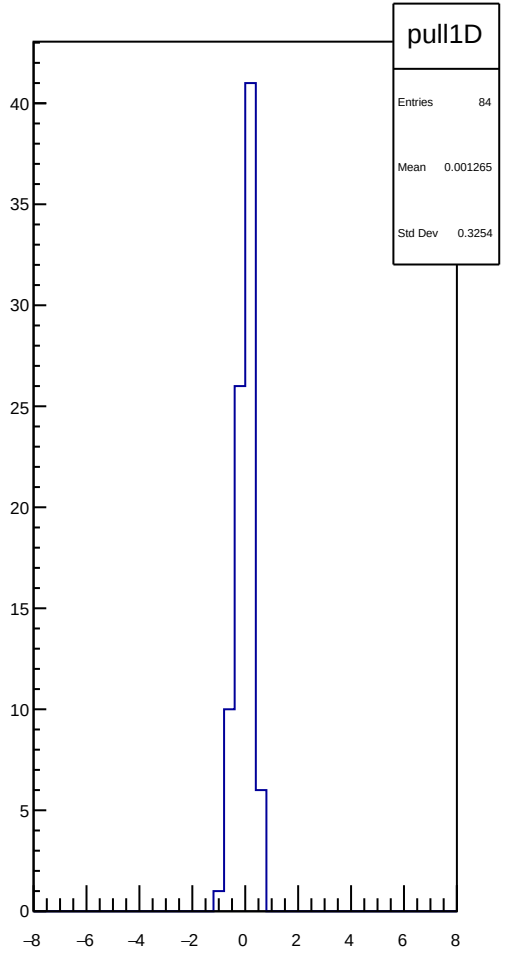

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 18.1 / 83
p0 −0.3538 ± 0.03802
pull
Entries 84
Mean 311
Std Dev 265.5
pull1D
Entries 84
Mean −0.02897
Std Dev 0.4633

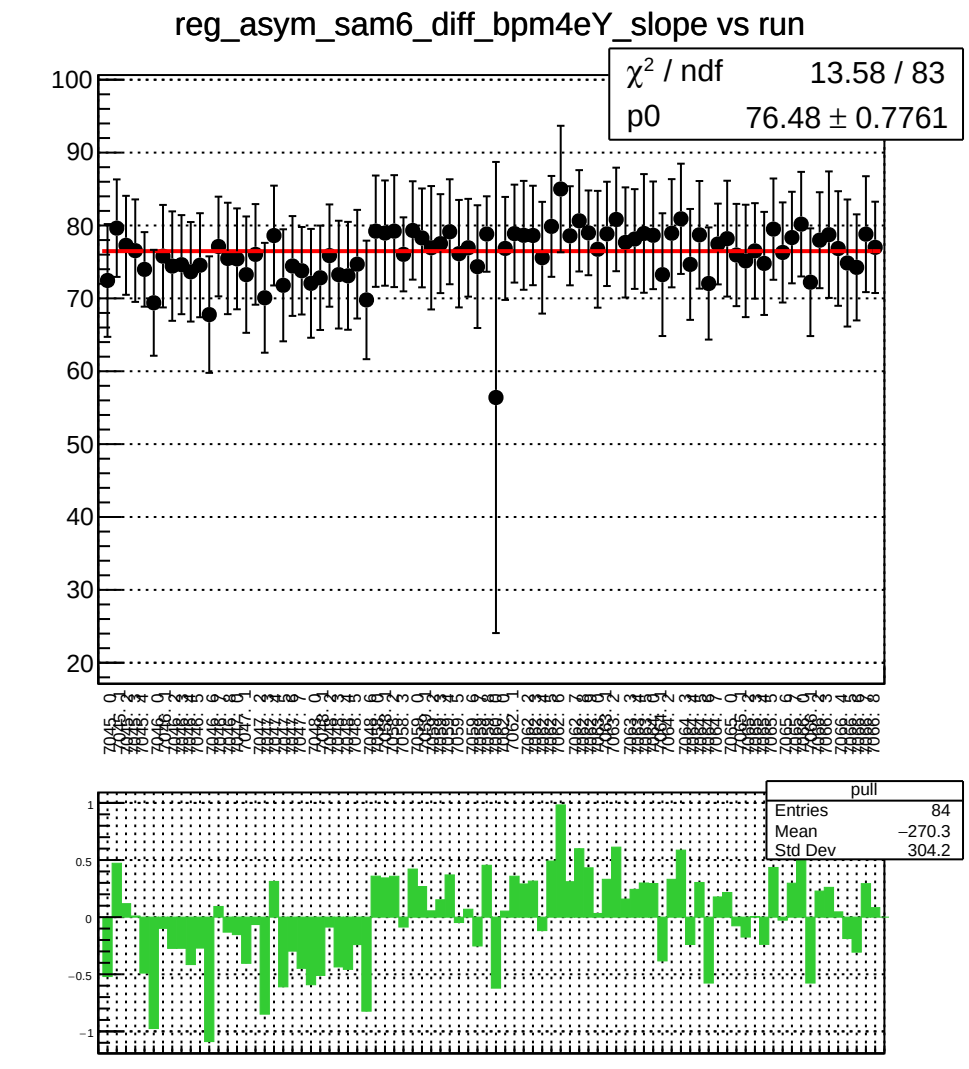

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 10.16 / 83
p0 15.34 ± 1.036
pull
Entries 84
Mean −932.2
Std Dev 968.2
pull1D
Entries 84
Mean 0.006225
Std Dev 0.3478

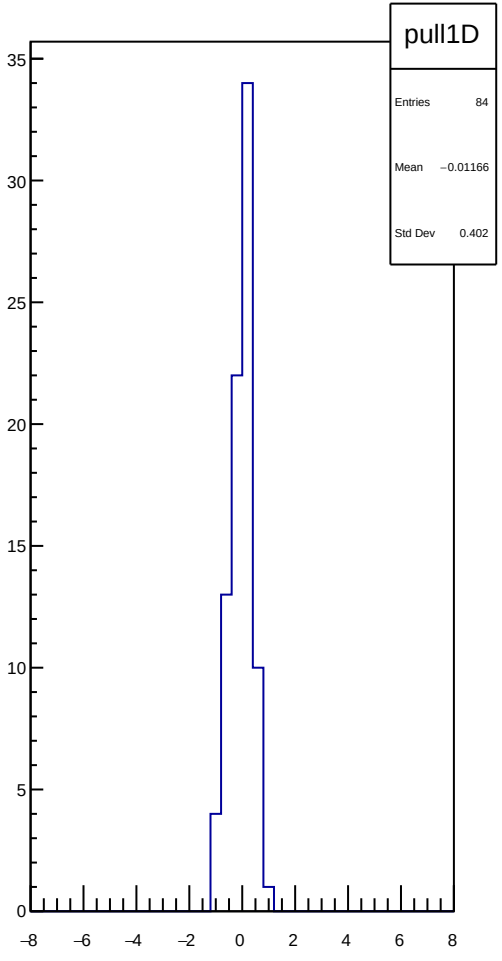

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 13.48 / 83
p0 35.06 ± 0.7275
pull
Entries 84
Mean −82.57
Std Dev 109.3

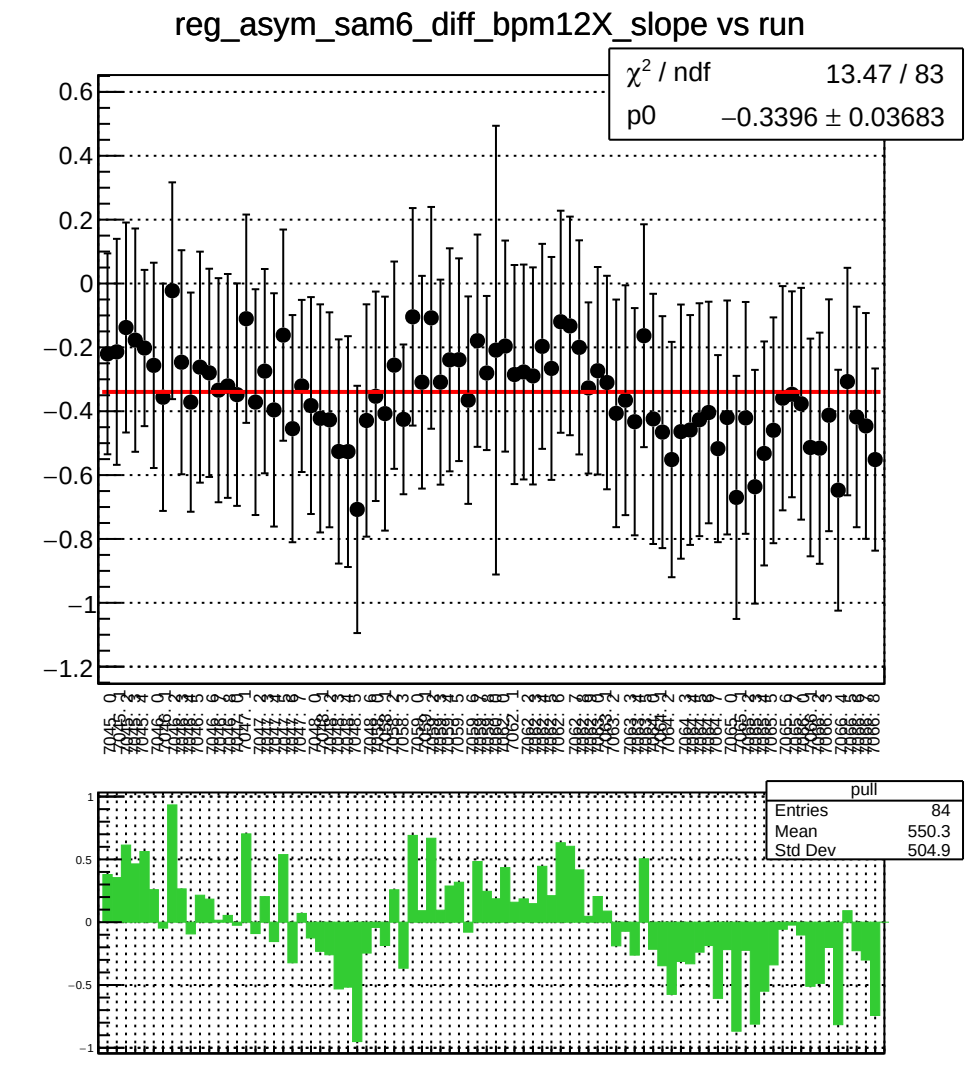

pull1D
Entries 84
Mean 0.02358
Std Dev 0.3999

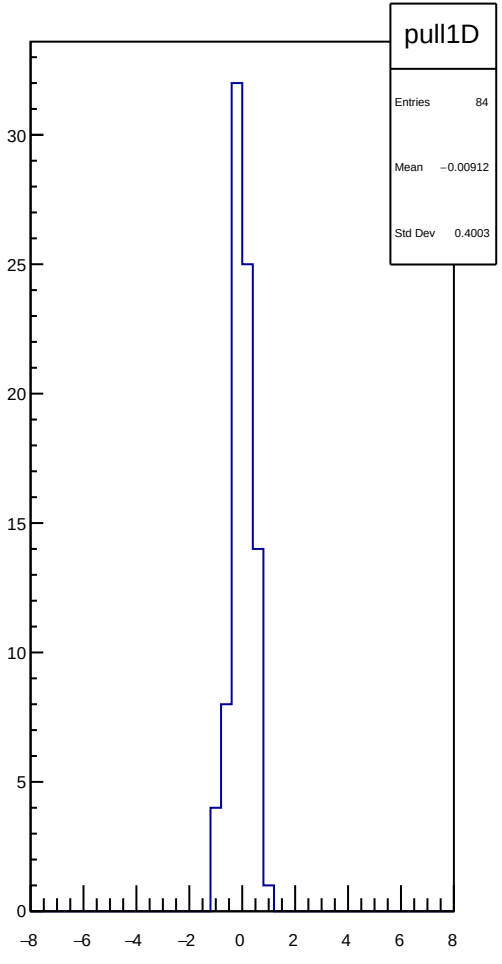

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 8.896 / 83
p0 52.59 ± 0.9892
70
60
50
40
30
pull
Entries 84
Mean 3992
Std Dev 3955
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

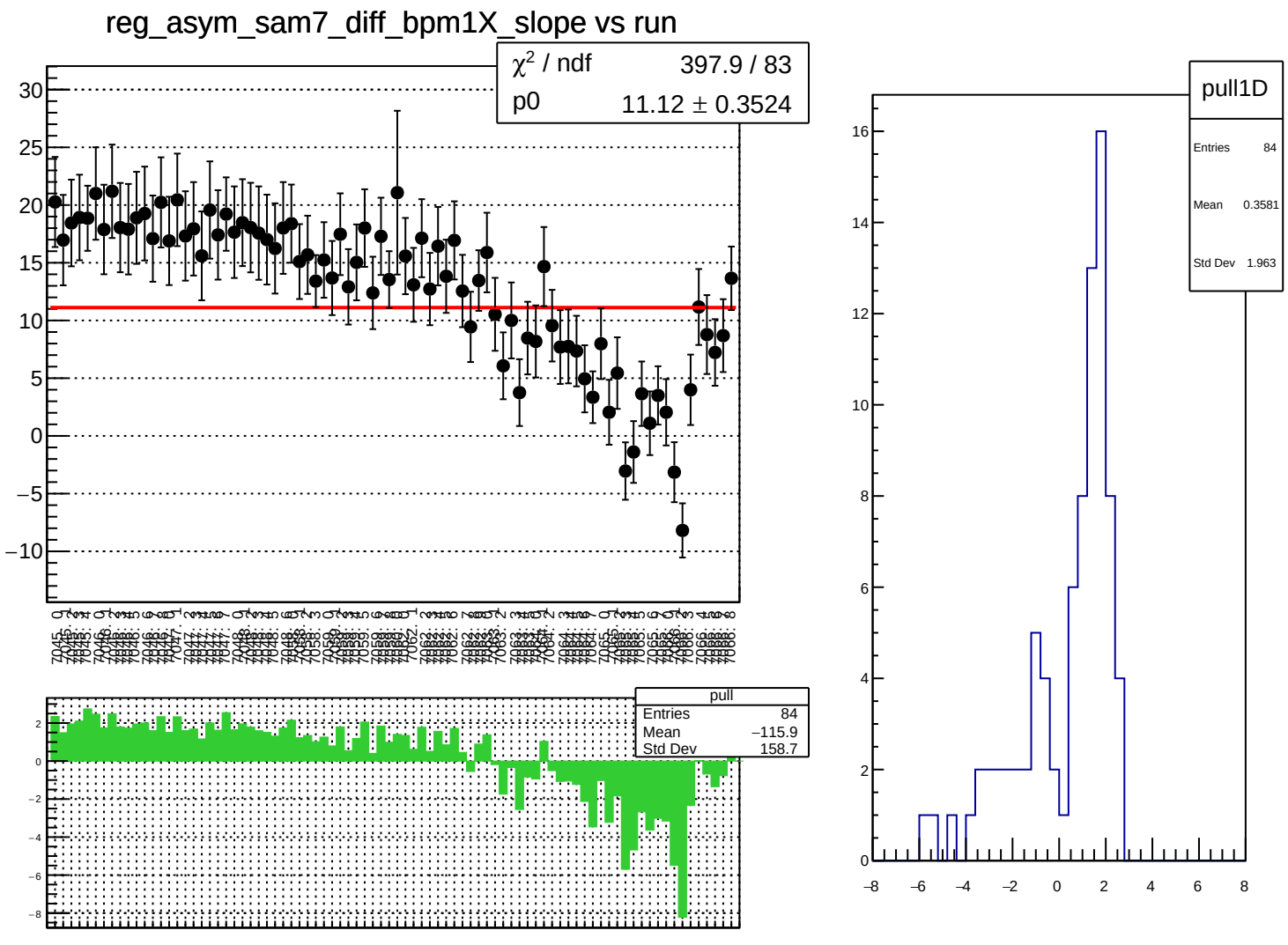

pull1D
Entries 84
Mean 0.001265
Std Dev 0.3254
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

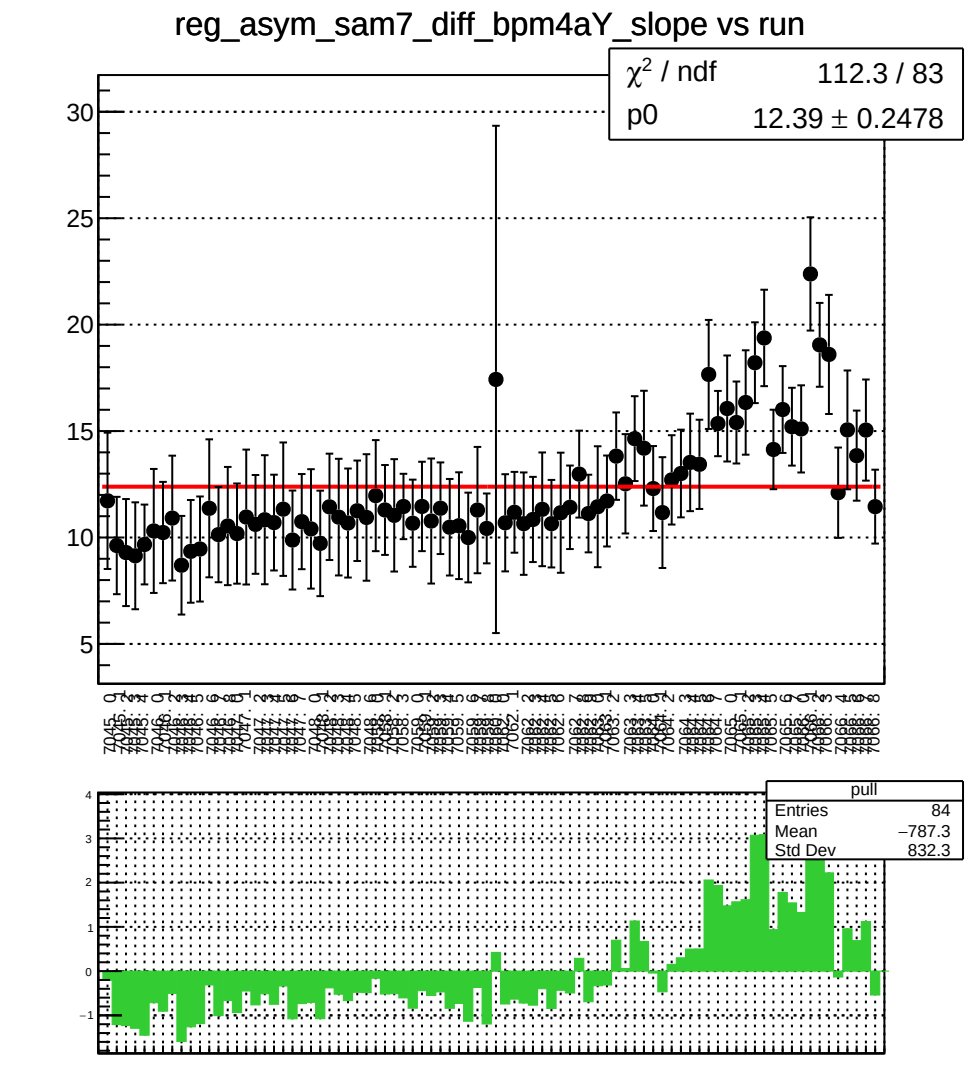

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.58 / 83
p0 76.48 ± 0.7761
pull
Entries 84
Mean −270.3
Std Dev 304.2

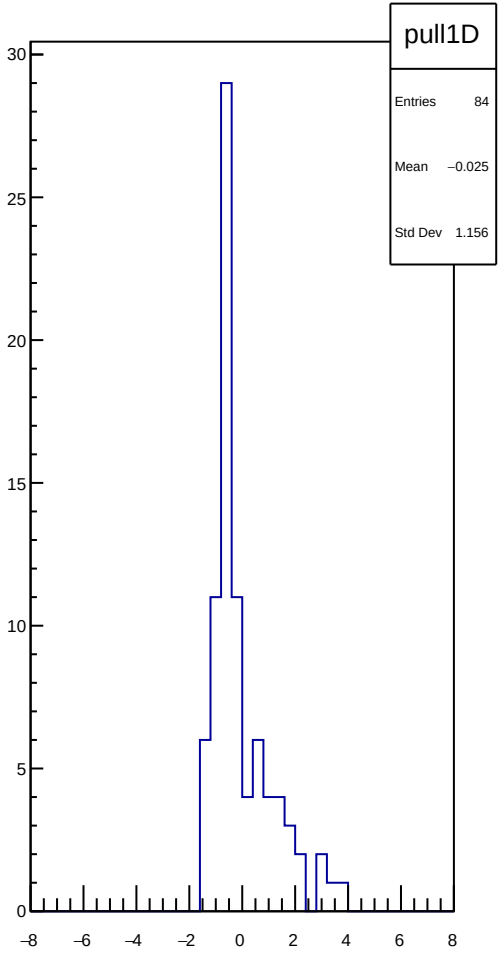

pull1D
Entries 84
Mean −0.01166
Std Dev 0.402

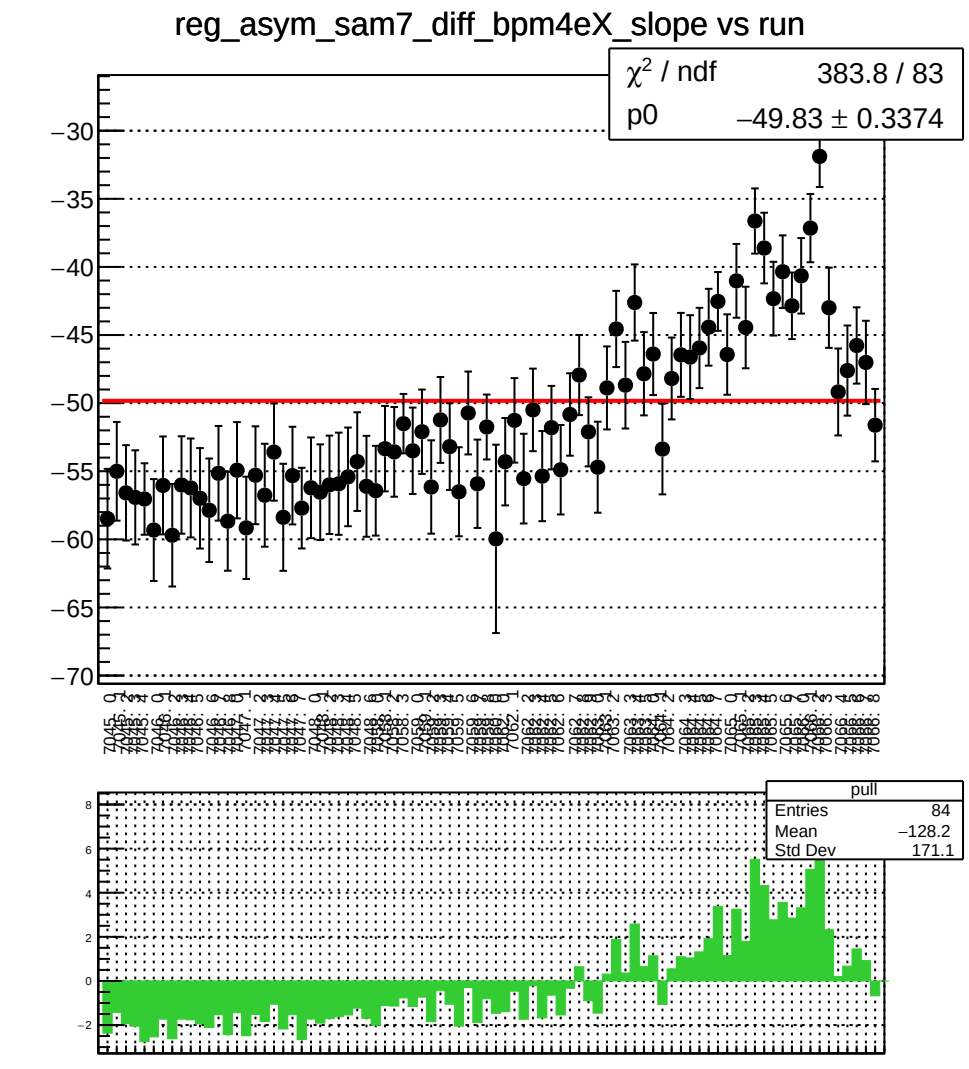

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 13.47 / 83
p0 −0.3396 ± 0.03683
pull
Entries 84
Mean 550.3
Std Dev 504.9

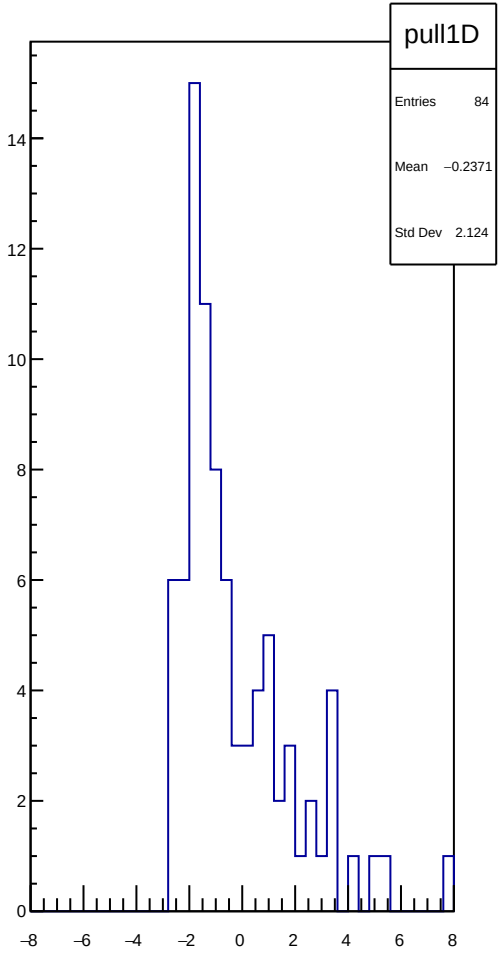

pull1D
Entries 84
Mean −0.00912
Std Dev 0.4003

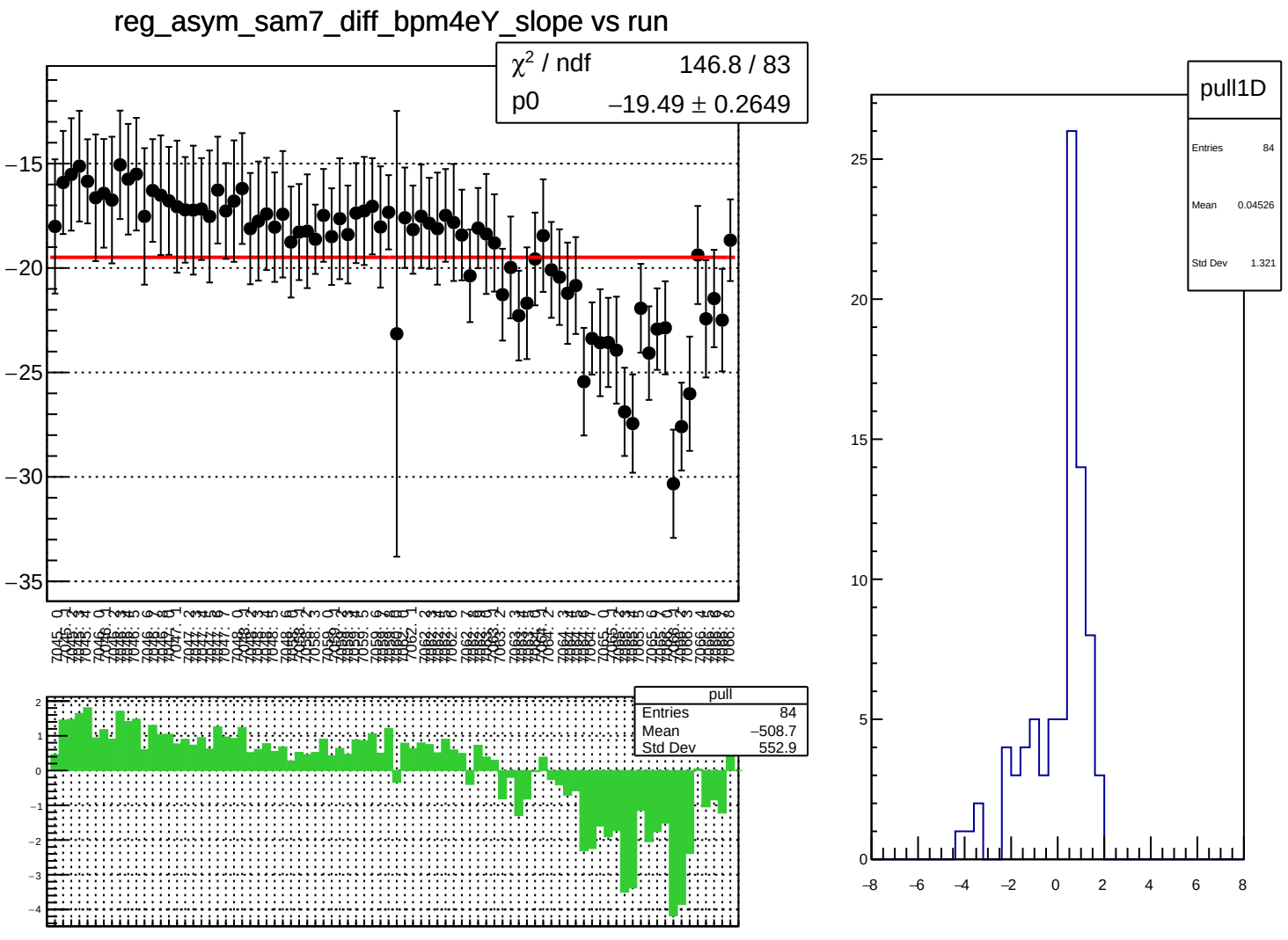

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 397.9 / 83
p0 11.12 ± 0.3524
pull
Entries 84
Mean −115.9
Std Dev 158.7
pull1D
Entries 84
Mean 0.3581
Std Dev 1.963

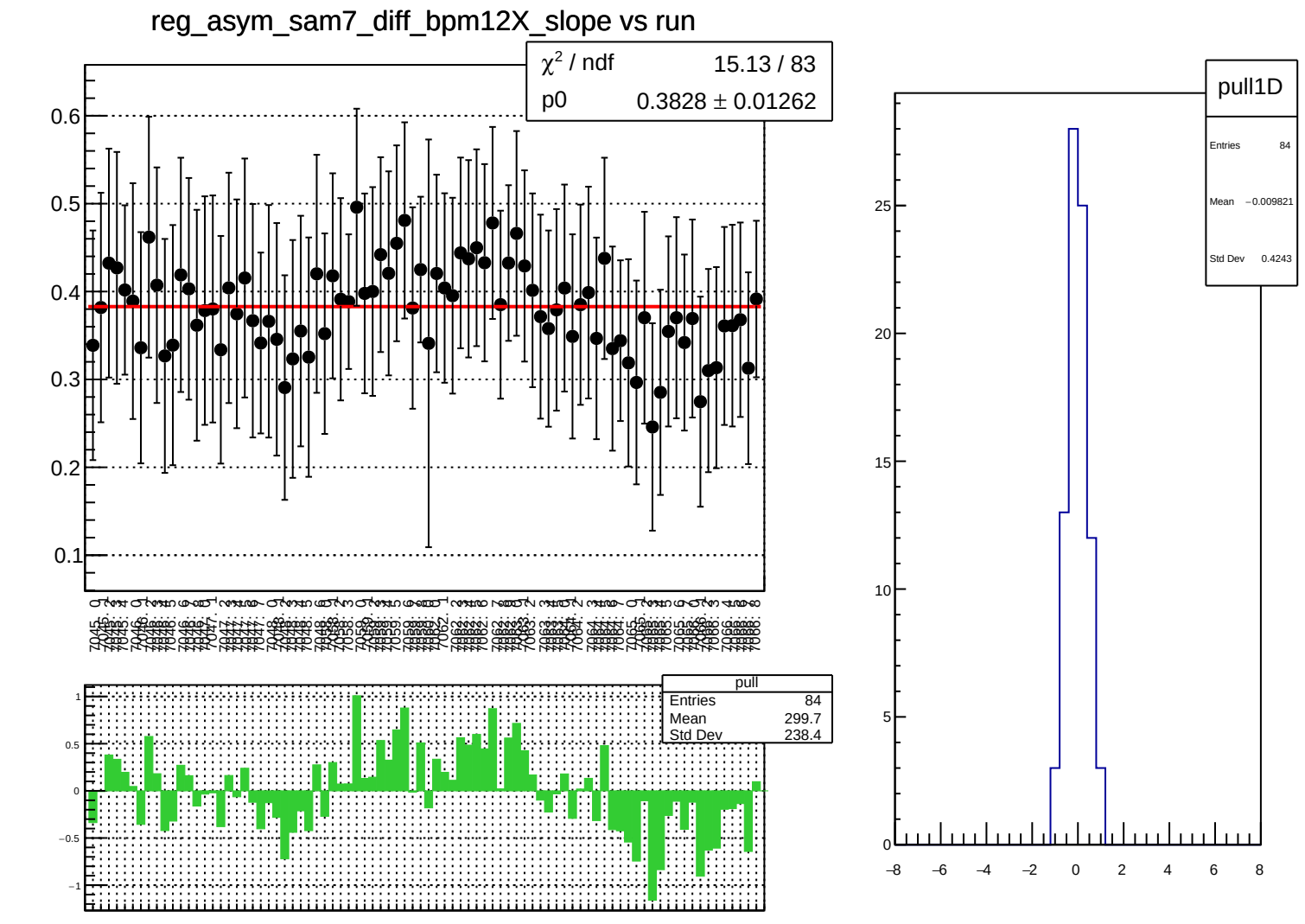

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 112.3 / 83
p0 12.39 ± 0.2478
pull
Entries 84
Mean −787.3
Std Dev 832.3

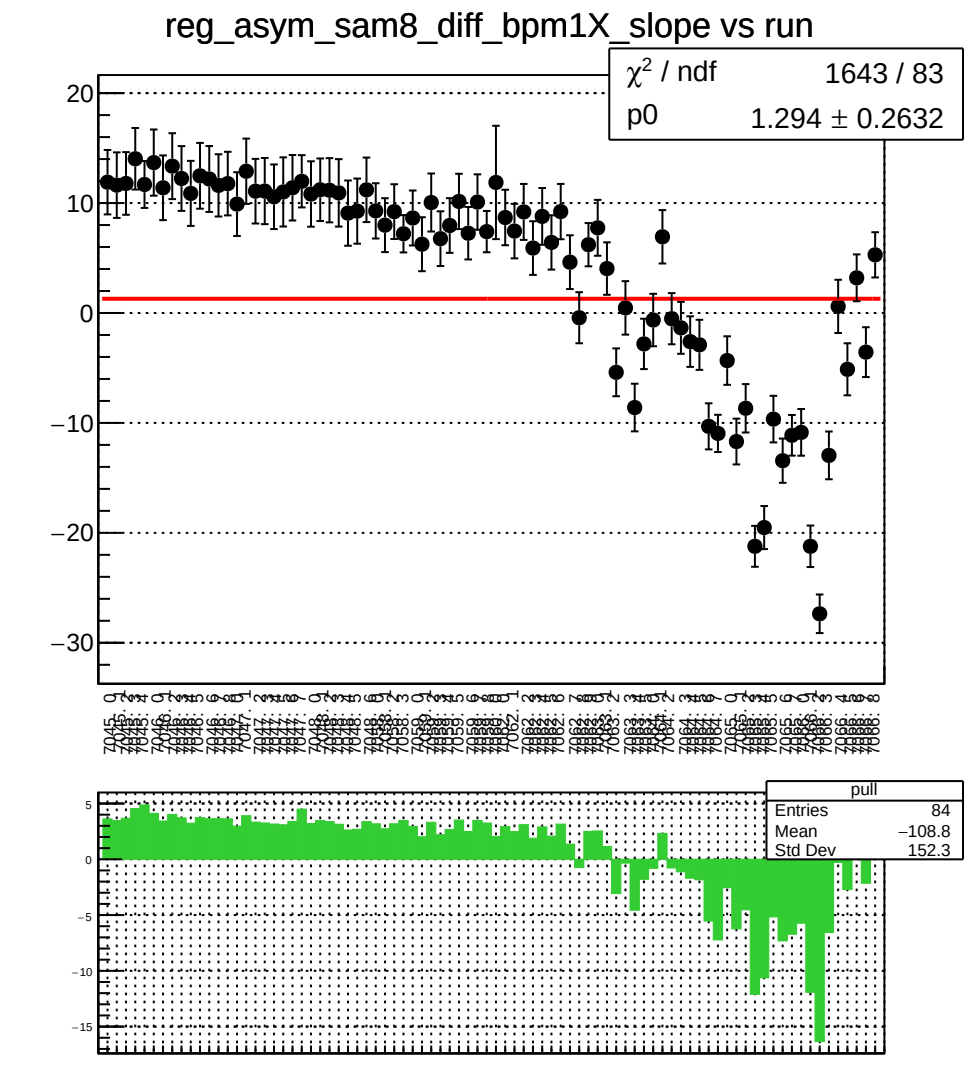

pull1D
Entries 84
Mean −0.025
Std Dev 1.156

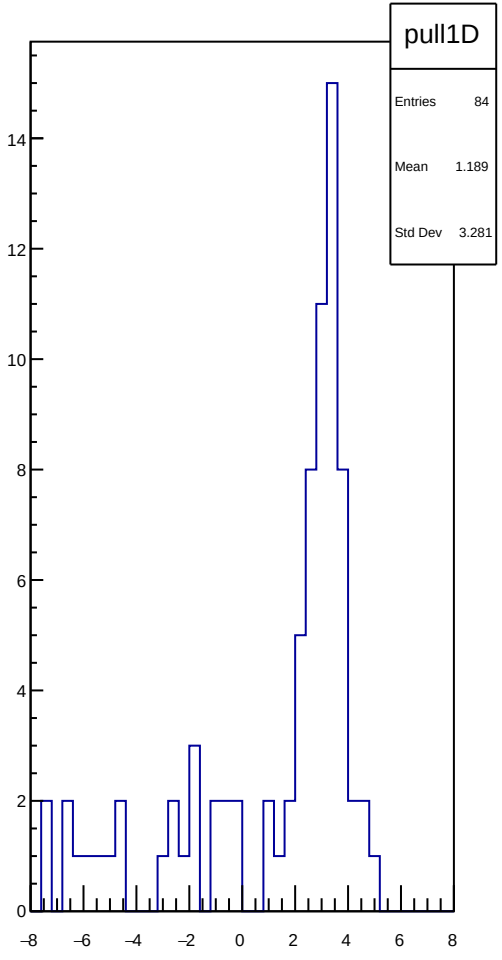

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 383.8 / 83
p0 −49.83 ± 0.3374
pull
Entries 84
Mean −128.2
Std Dev 171.1

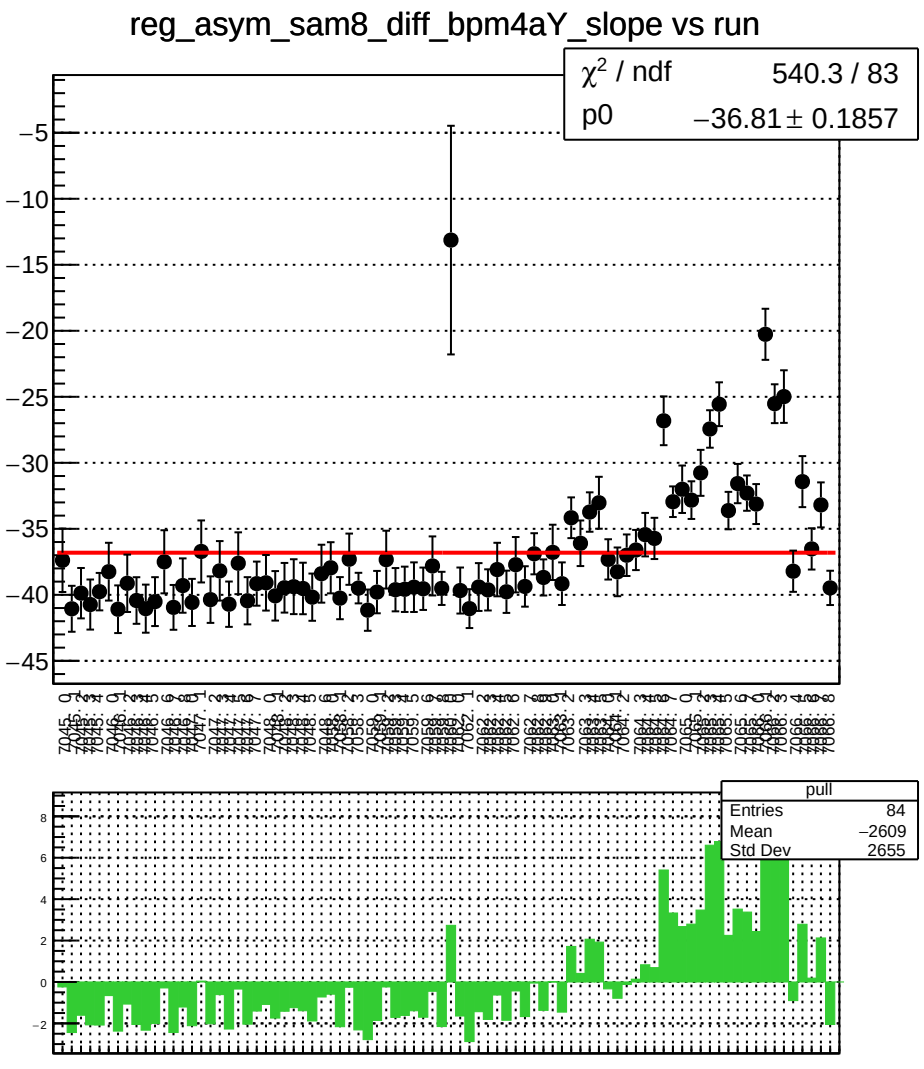

pull1D
Entries 84
Mean −0.2371
Std Dev 2.124

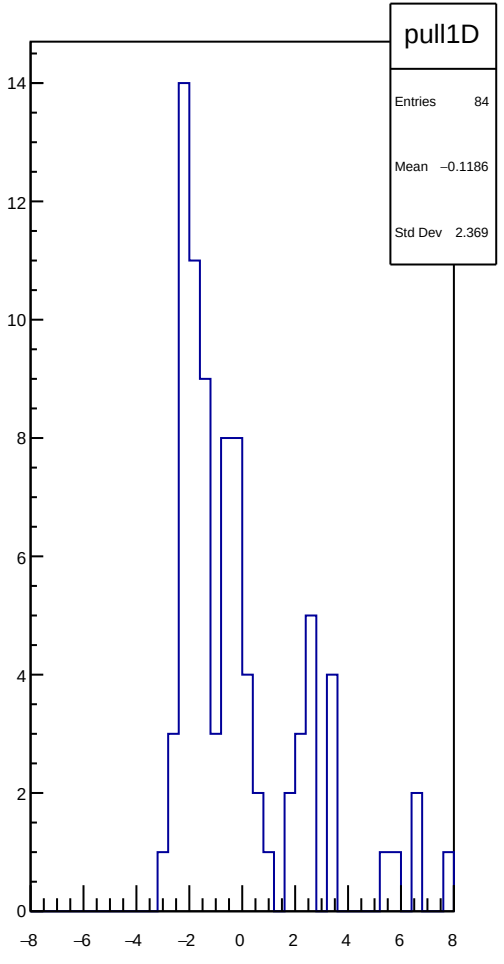

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 146.8 / 83
p0 −19.49 ± 0.2649
pull
Entries 84
Mean −508.7
Std Dev 552.9
pull1D
Entries 84
Mean 0.04526
Std Dev 1.321

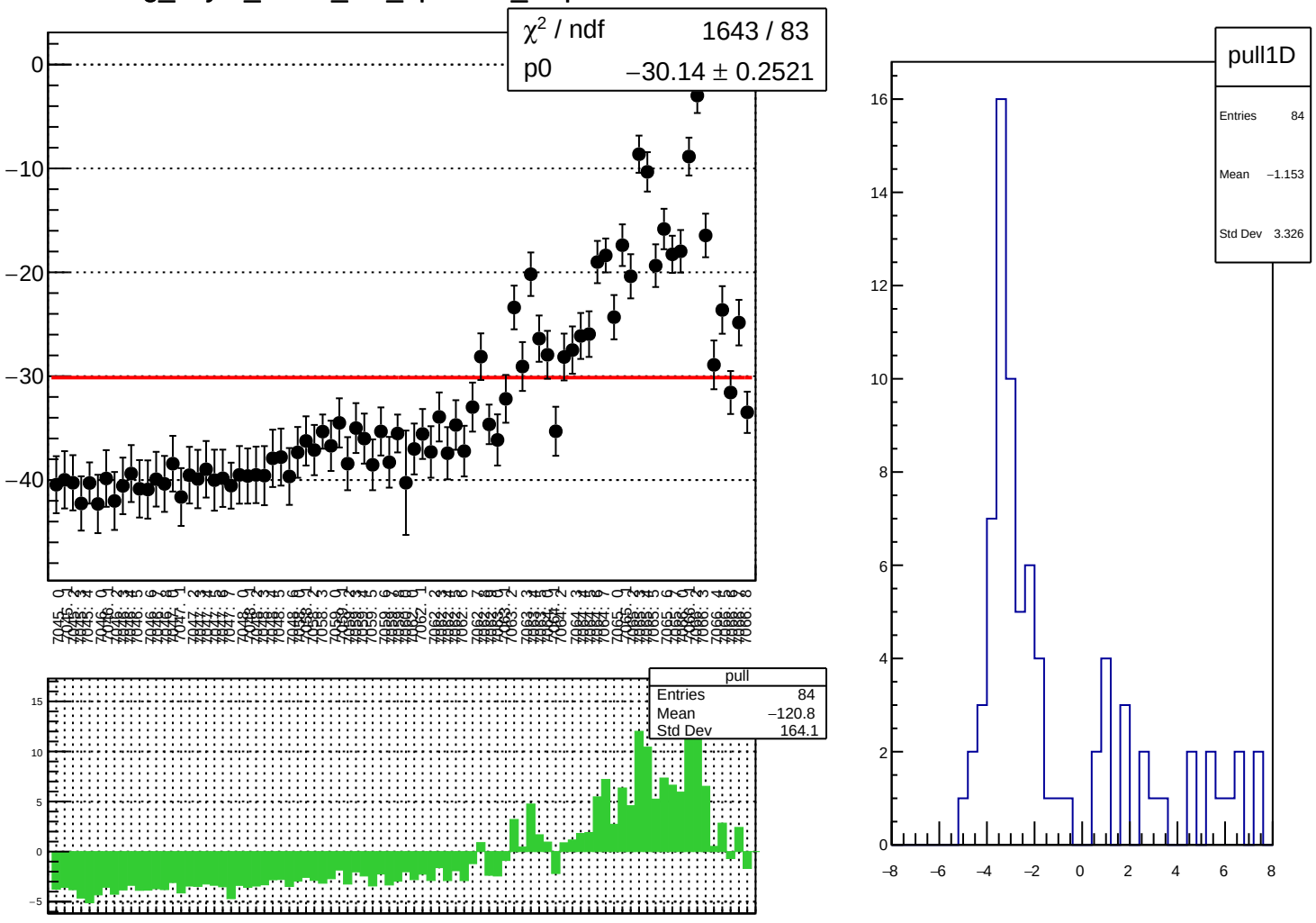

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 15.13 / 83
p0 0.3828 ± 0.01262
pull
Entries 84
Mean 299.7
Std Dev 238.4
pull1D
Entries 84
Mean −0.009821
Std Dev 0.4243

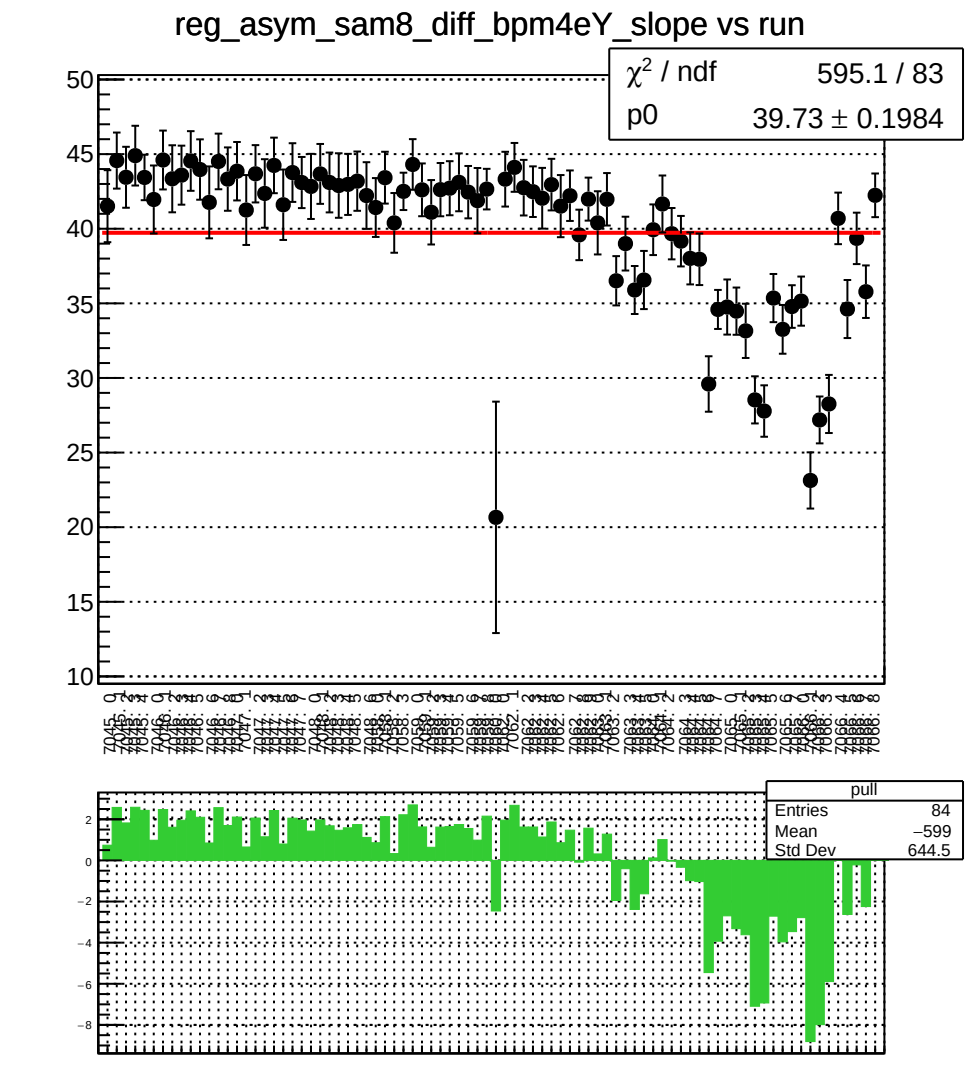

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 1643 / 83
p0 1.294 ± 0.2632
pull
Entries 84
Mean −108.8
Std Dev 152.3

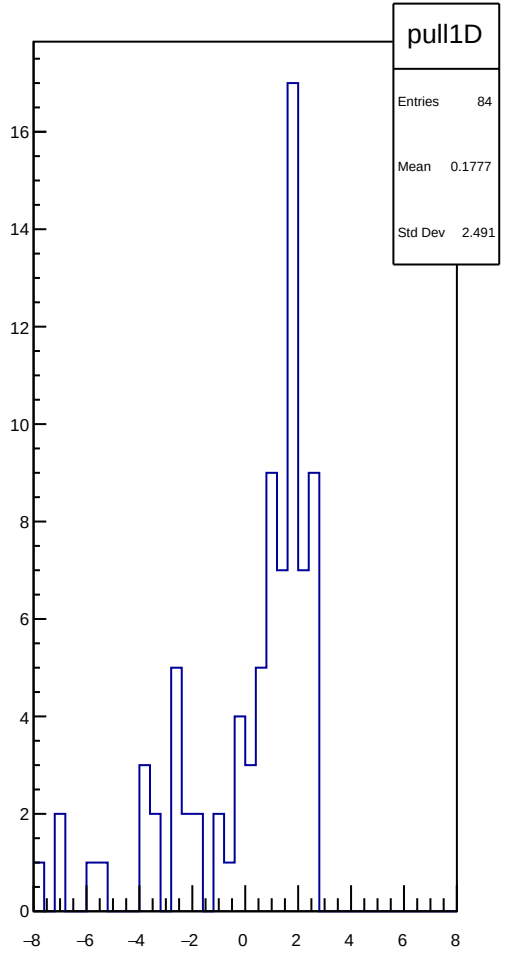

pull1D
Entries 84
Mean 1.189
Std Dev 3.281

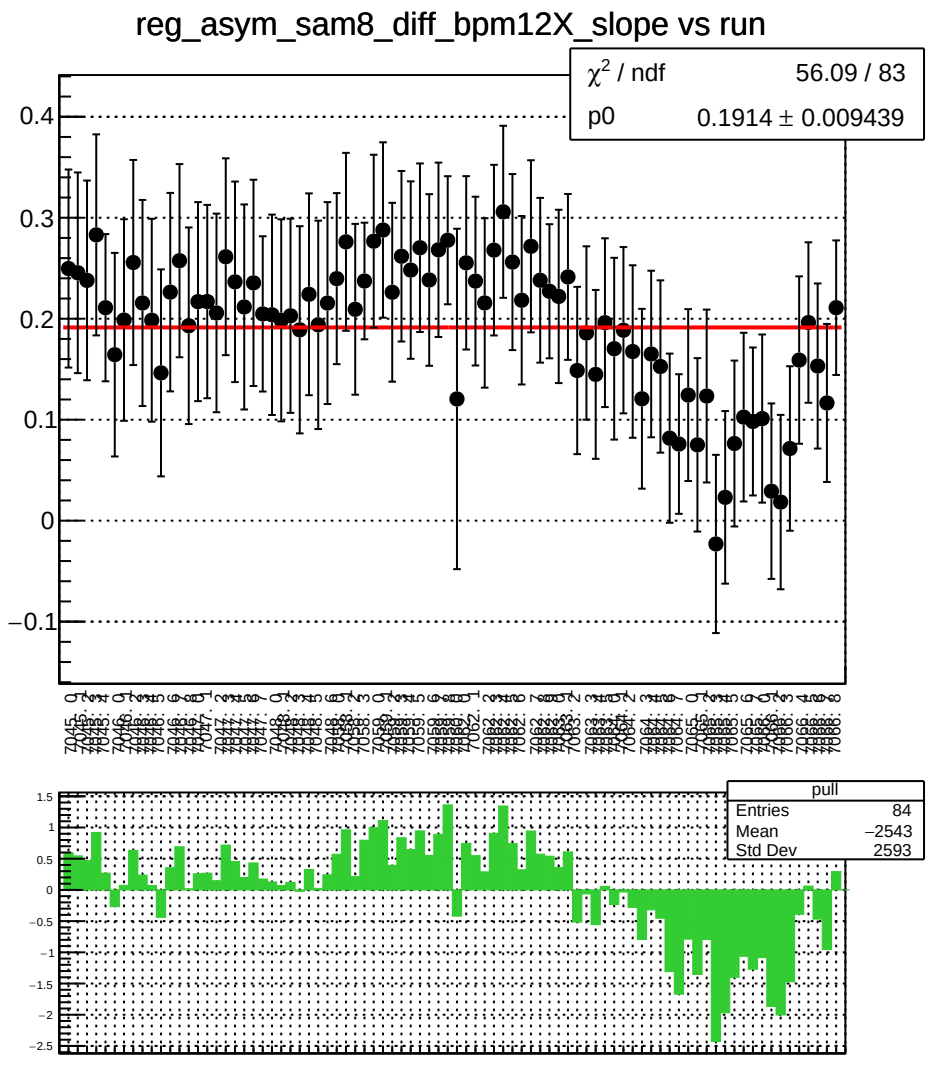

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 540.3 / 83
p0 −36.81 ± 0.1857
pull
Entries 84
Mean −2609
Std Dev 2655

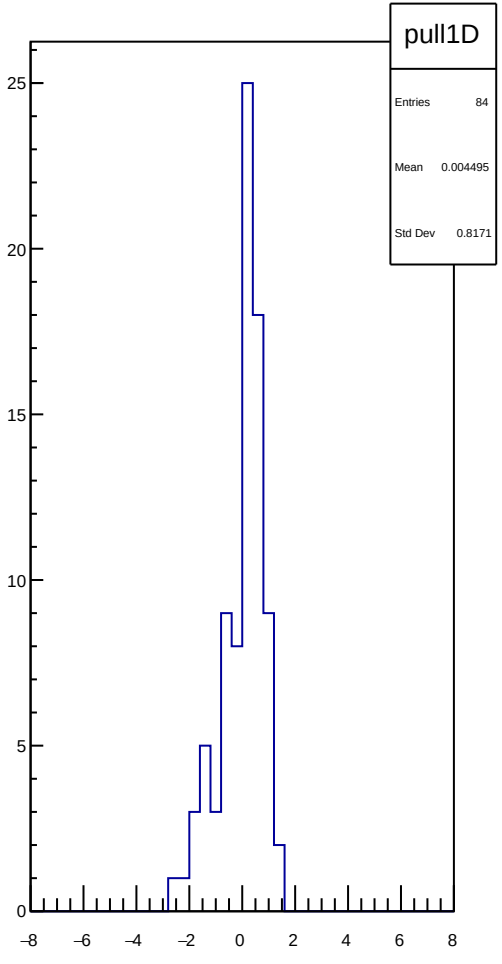

pull1D
Entries 84
Mean −0.1186
Std Dev 2.369

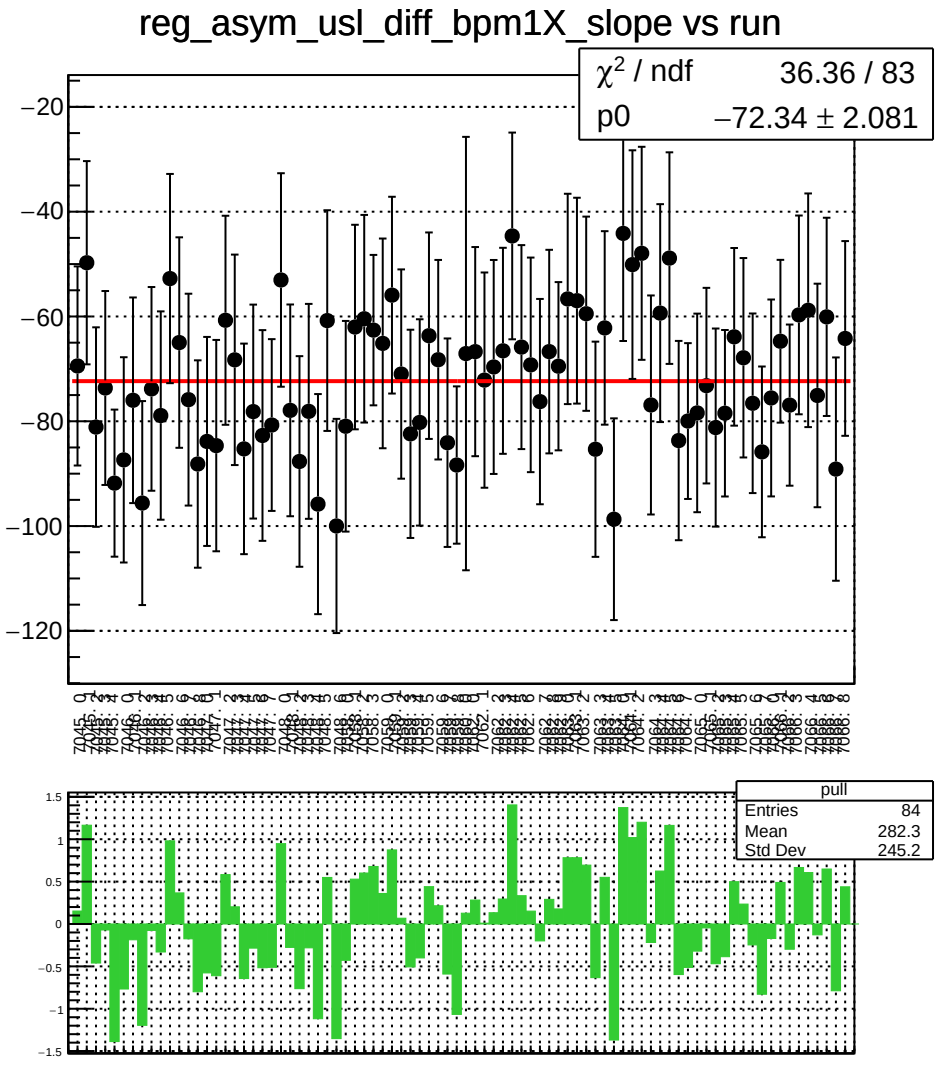

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 1643 / 83
p0 −30.14 ± 0.2521
pull
Entries 84
Mean −120.8
Std Dev 164.1
pull1D
Entries 84
Mean −1.153
Std Dev 3.326

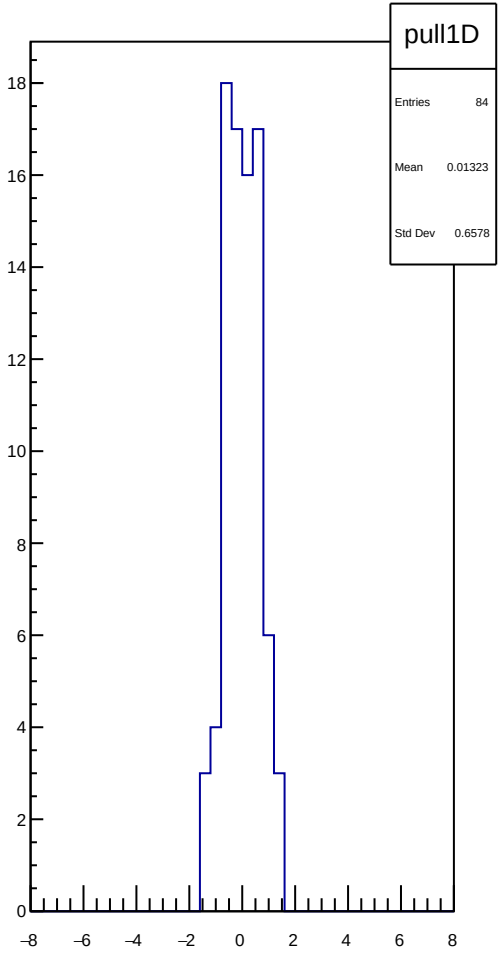

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 595.1 / 83
p0 39.73 ± 0.1984
pull
Entries 84
Mean −599
Std Dev 644.5

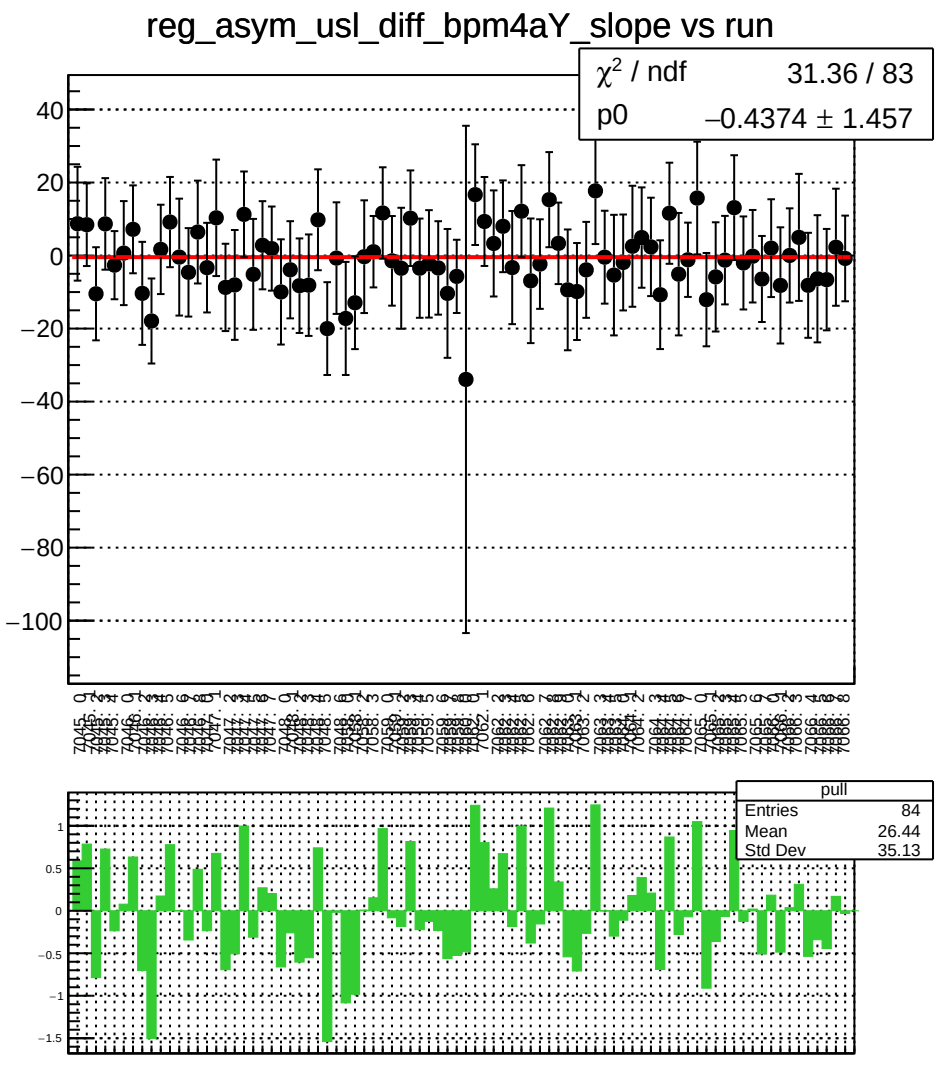

pull1D
Entries 84
Mean 0.1777
Std Dev 2.491

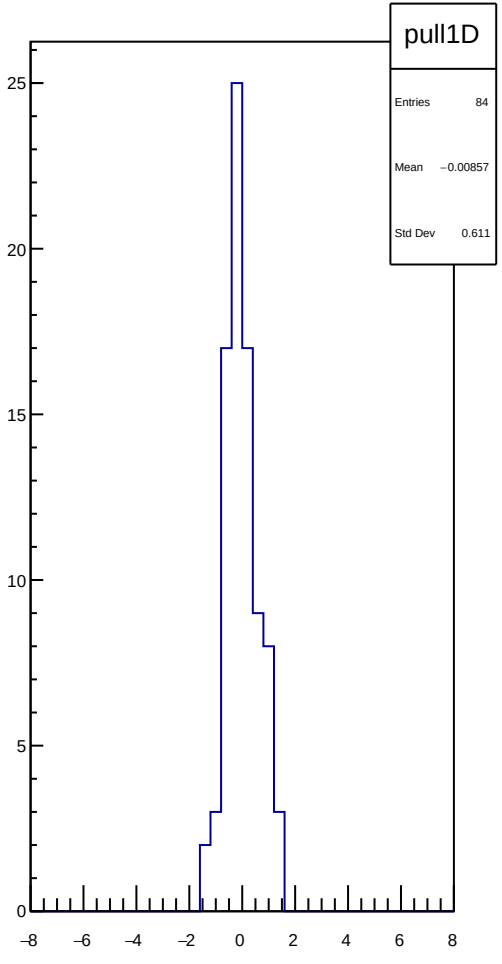

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 56.09 / 83
p0 0.1914 ± 0.009439
pull
Entries 84
Mean −2543
Std Dev 2593

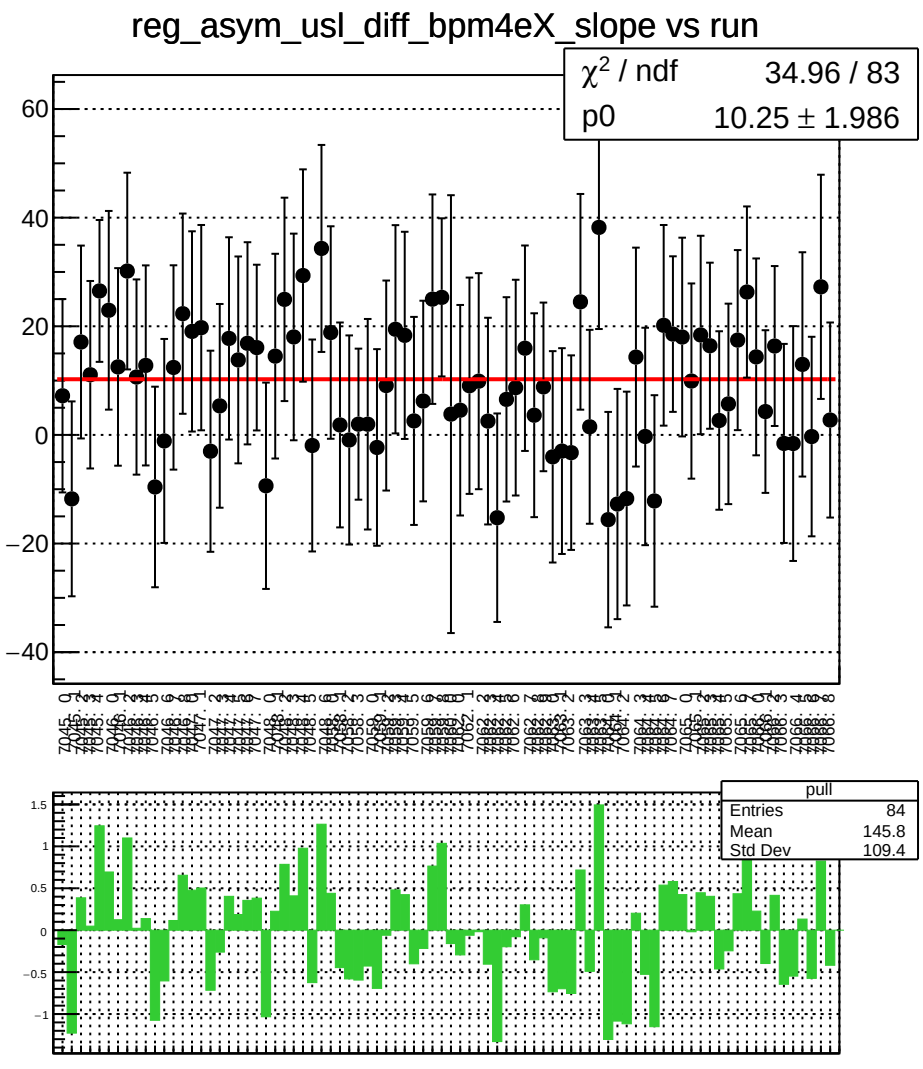

pull1D
Entries 84
Mean 0.004495
Std Dev 0.8171

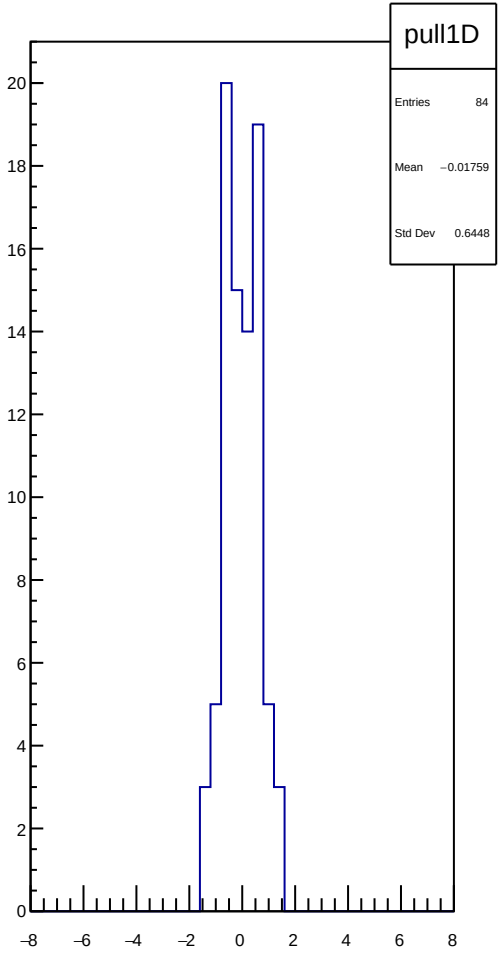

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 36.36 / 83
p0 −72.34 ± 2.081
pull
Entries 84
Mean 282.3
Std Dev 245.2

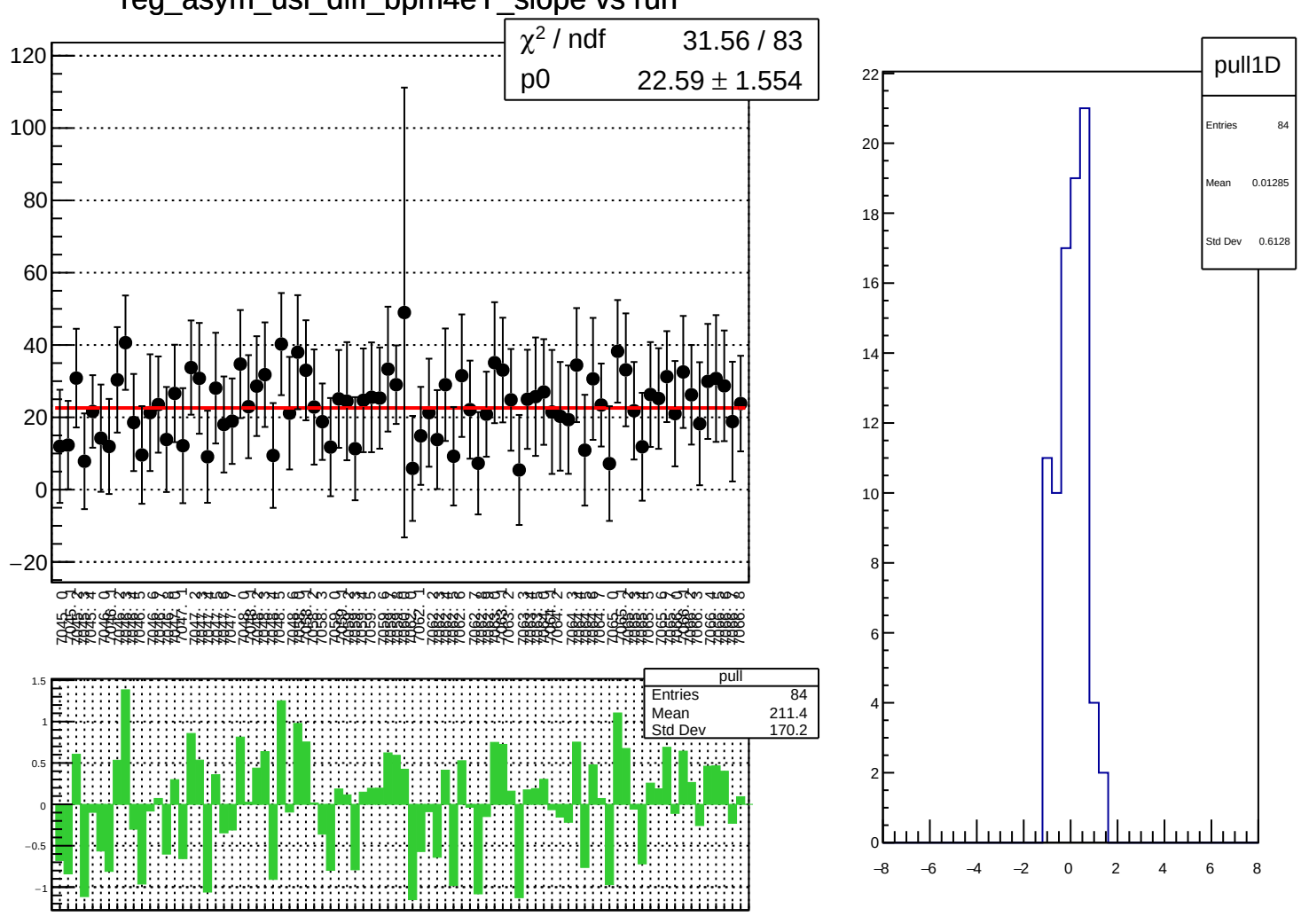

pull1D
Entries 84
Mean 0.01323
Std Dev 0.6578

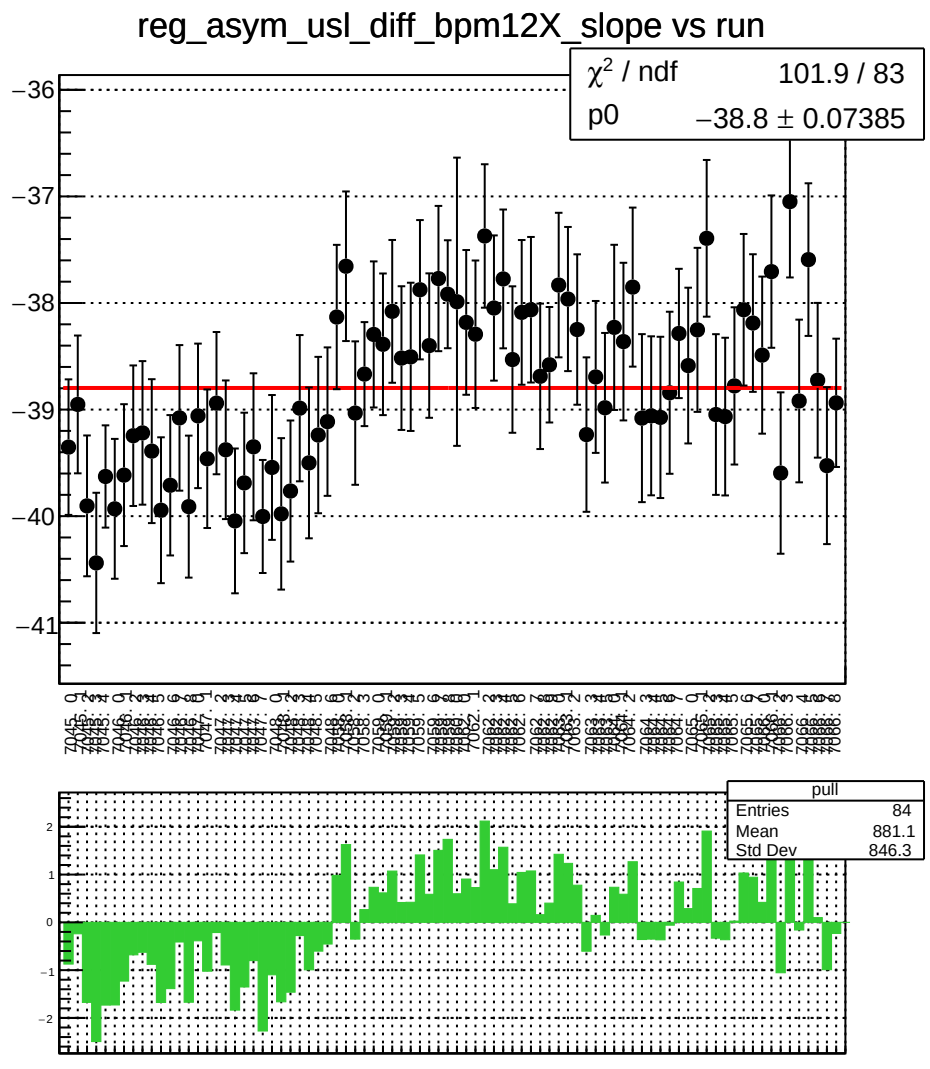

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 31.36 / 83
p0 −0.4374 ± 1.457
pull
Entries 84
Mean 26.44
Std Dev 35.13

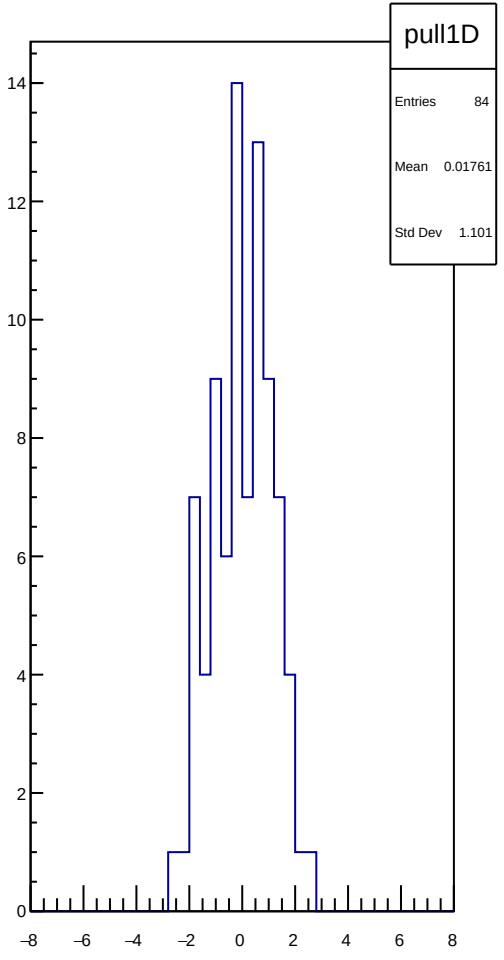

pull1D
Entries 84
Mean −0.00857
Std Dev 0.611

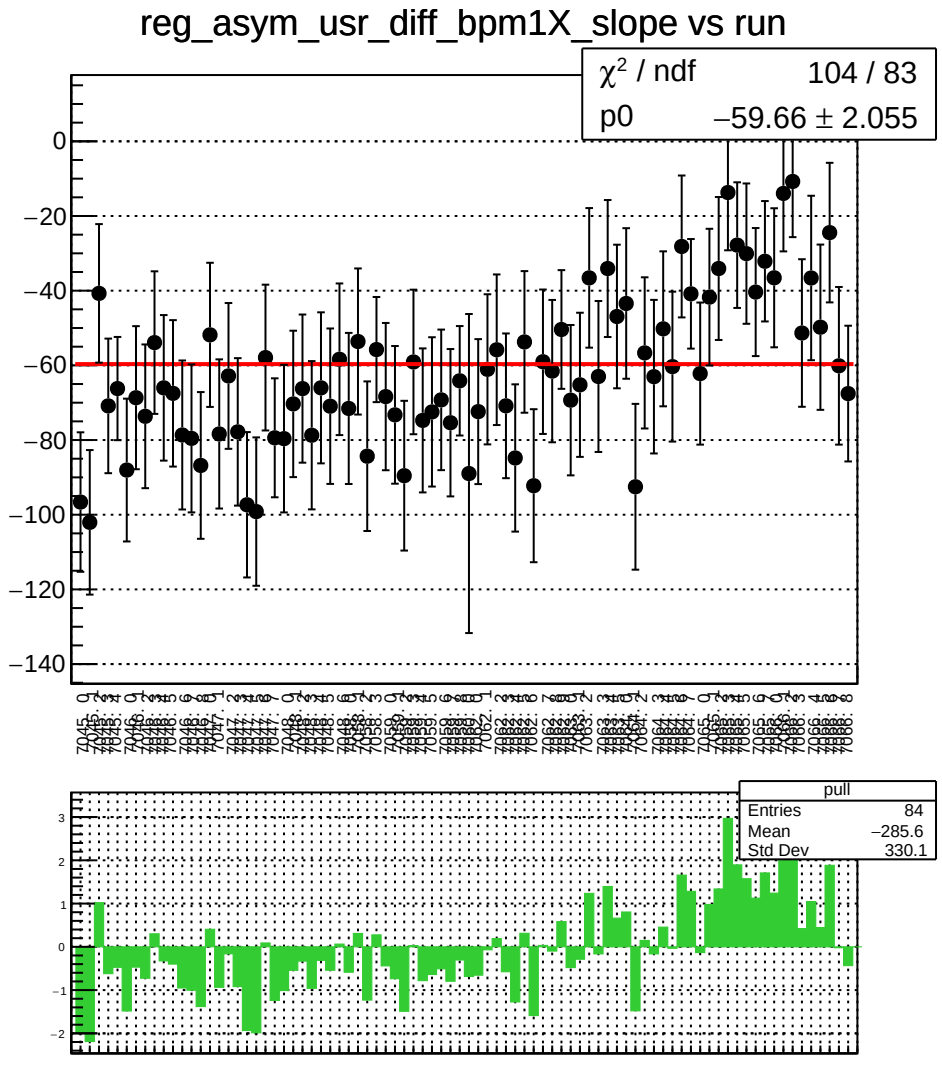

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 34.96 / 83
p0 10.25 ± 1.986
pull
Entries 84
Mean 145.8
Std Dev 109.4

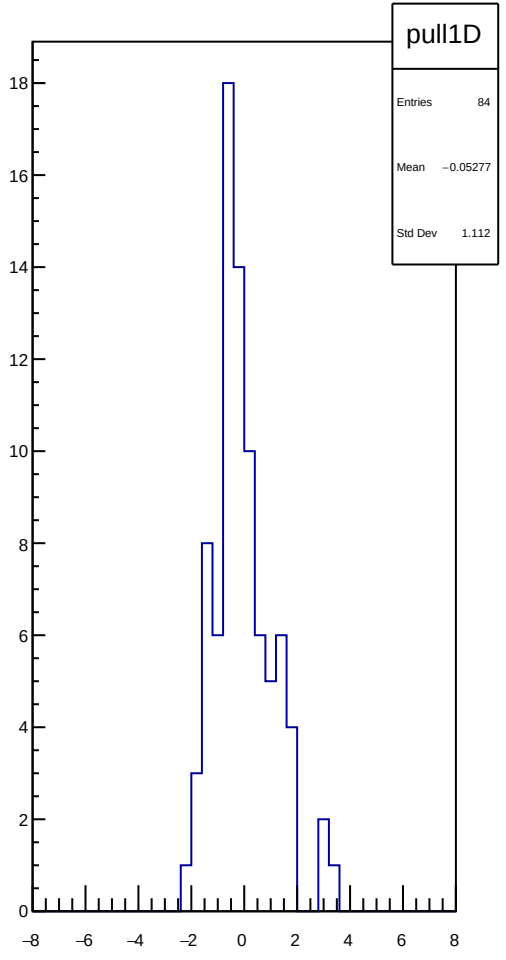

pull1D
Entries 84
Mean −0.01759
Std Dev 0.6448

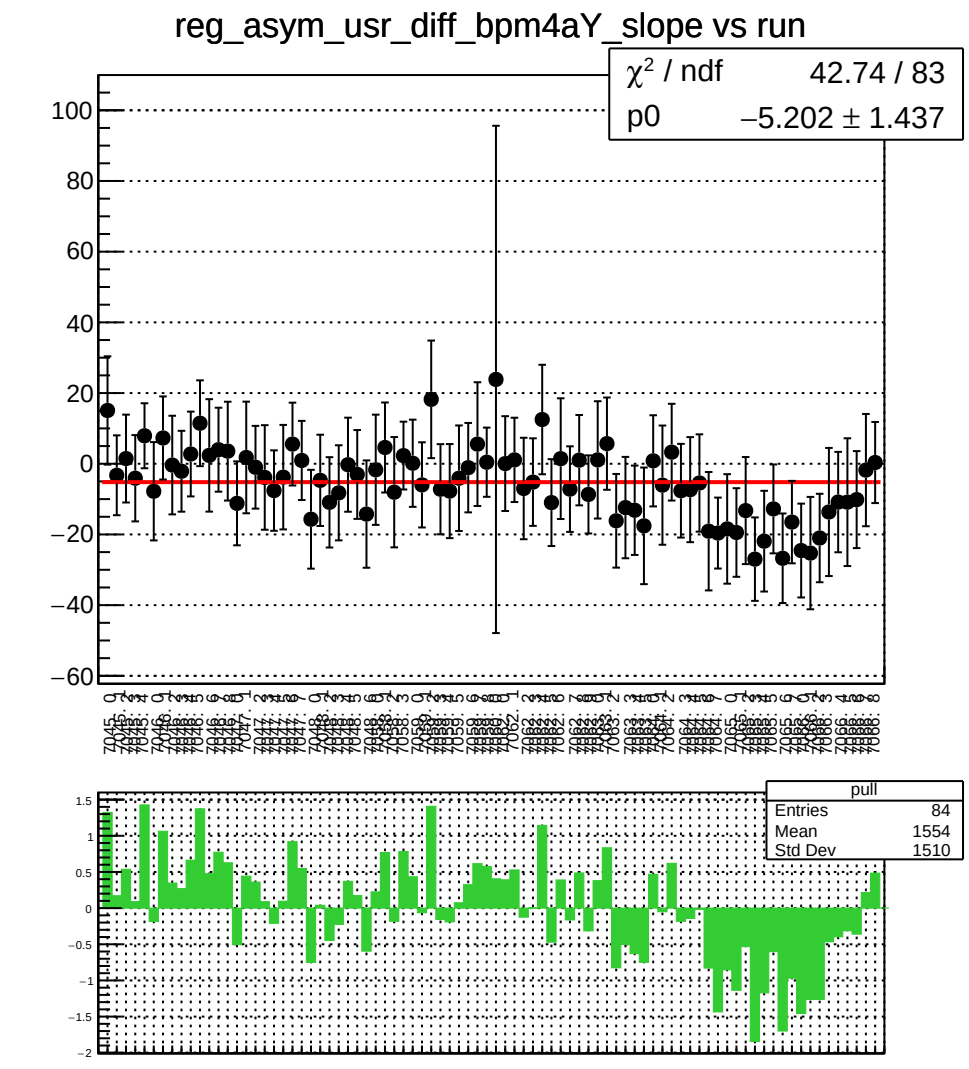

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 31.56 / 83
p0 22.59 ± 1.554
pull
Entries 84
Mean 211.4
Std Dev 170.2
pull1D
Entries 84
Mean 0.01285
Std Dev 0.6128

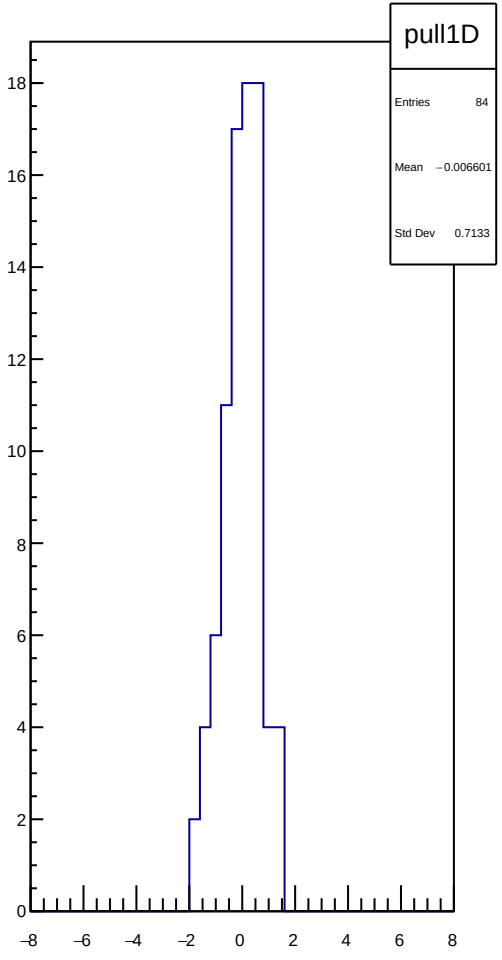

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 101.9 / 83
p0 −38.8 ± 0.07385
pull
Entries 84
Mean 881.1
Std Dev 846.3

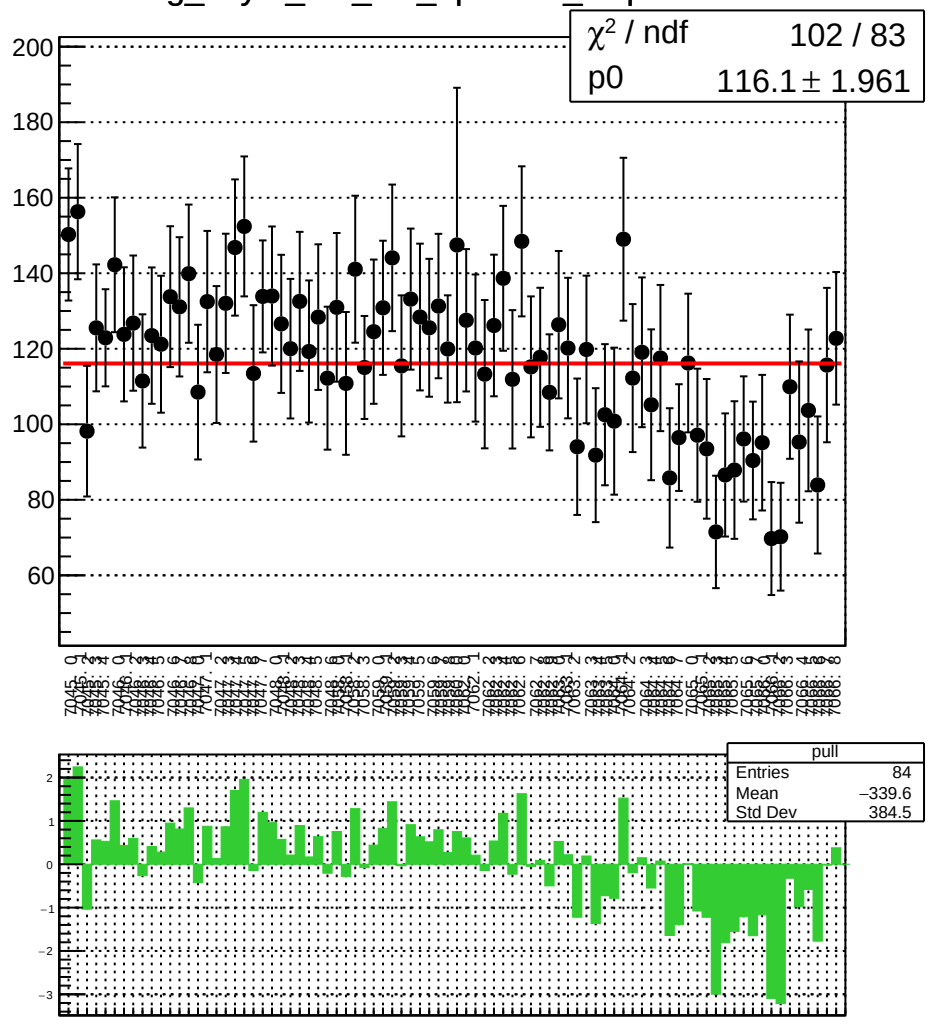

pull1D
Entries 84
Mean 0.01761
Std Dev 1.101

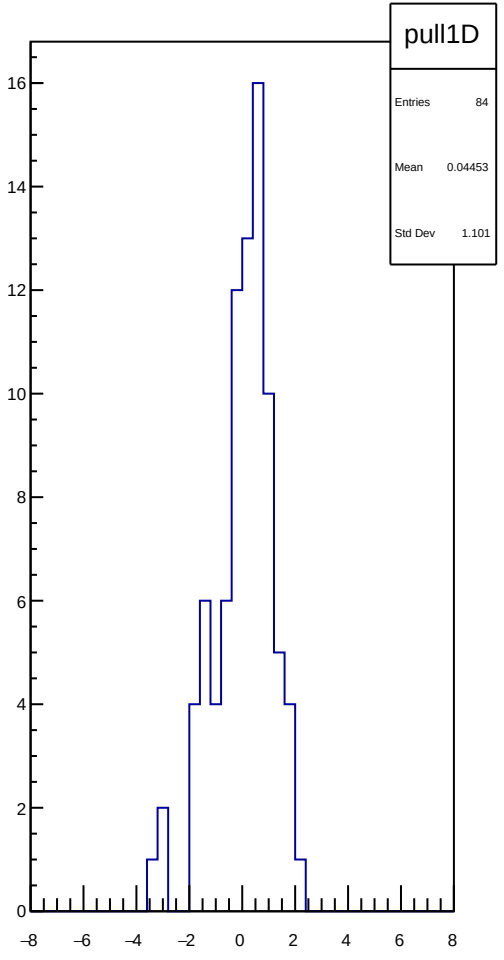

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 104 / 83
p0 −59.66 ± 2.055
0
−20
−40
−60
−80
−100
−120
−140
pull
Entries 84
Mean −285.6
Std Dev 330.1
3
2
1
0
−1
−2

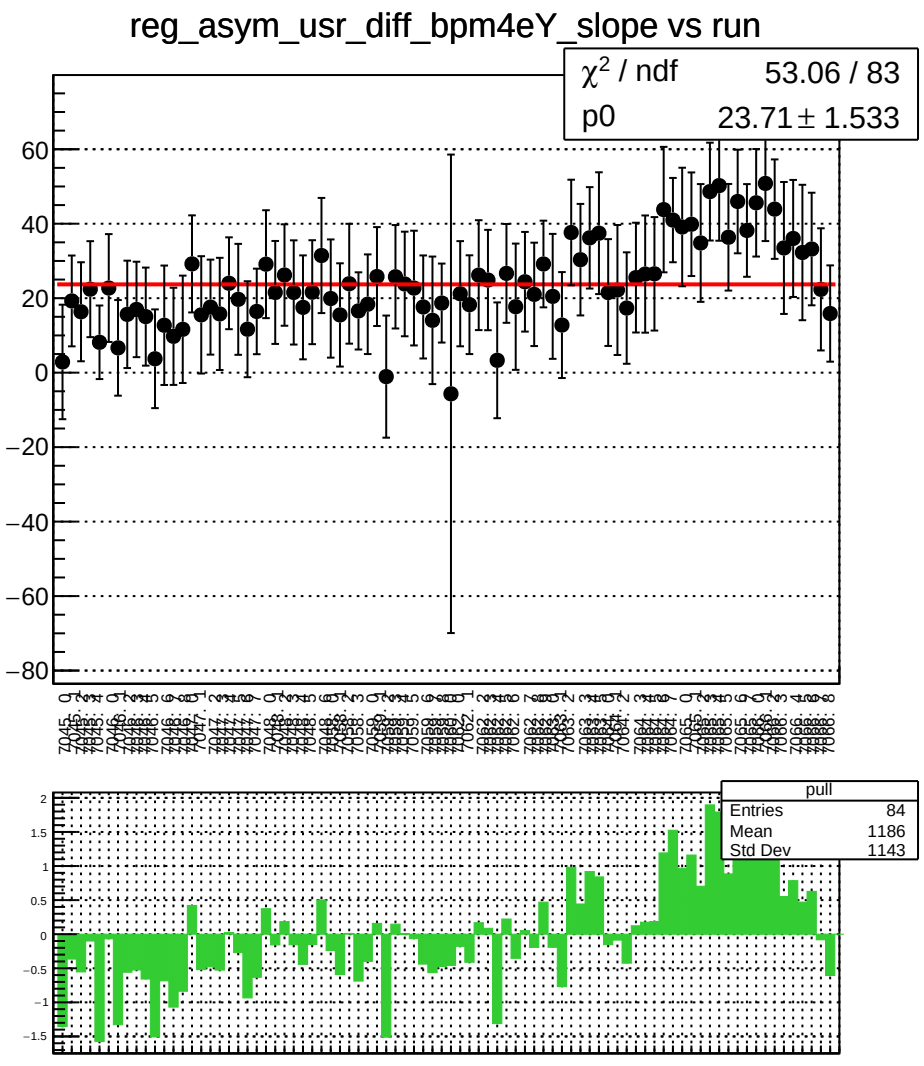

pull1D
Entries 84
Mean −0.05277
Std Dev 1.112
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

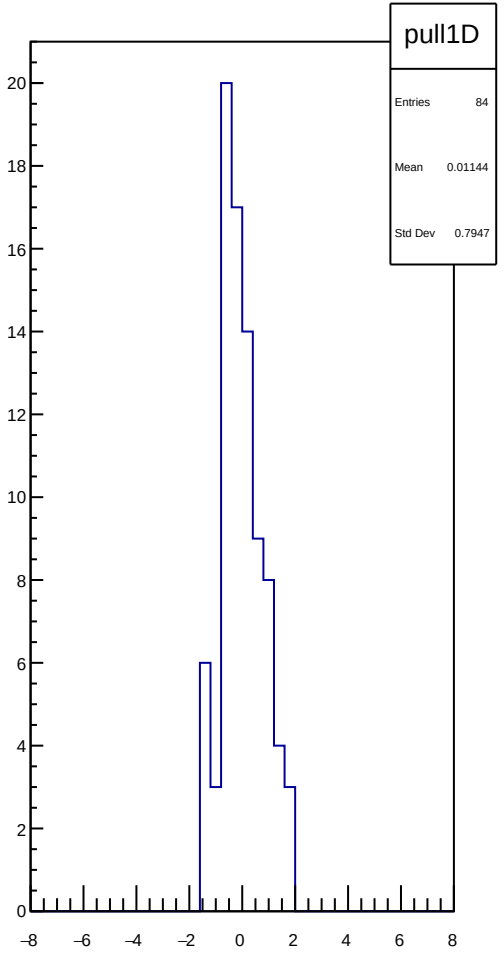

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 42.74 / 83
p0 −5.202 ± 1.437
pull
Entries 84
Mean 1554
Std Dev 1510

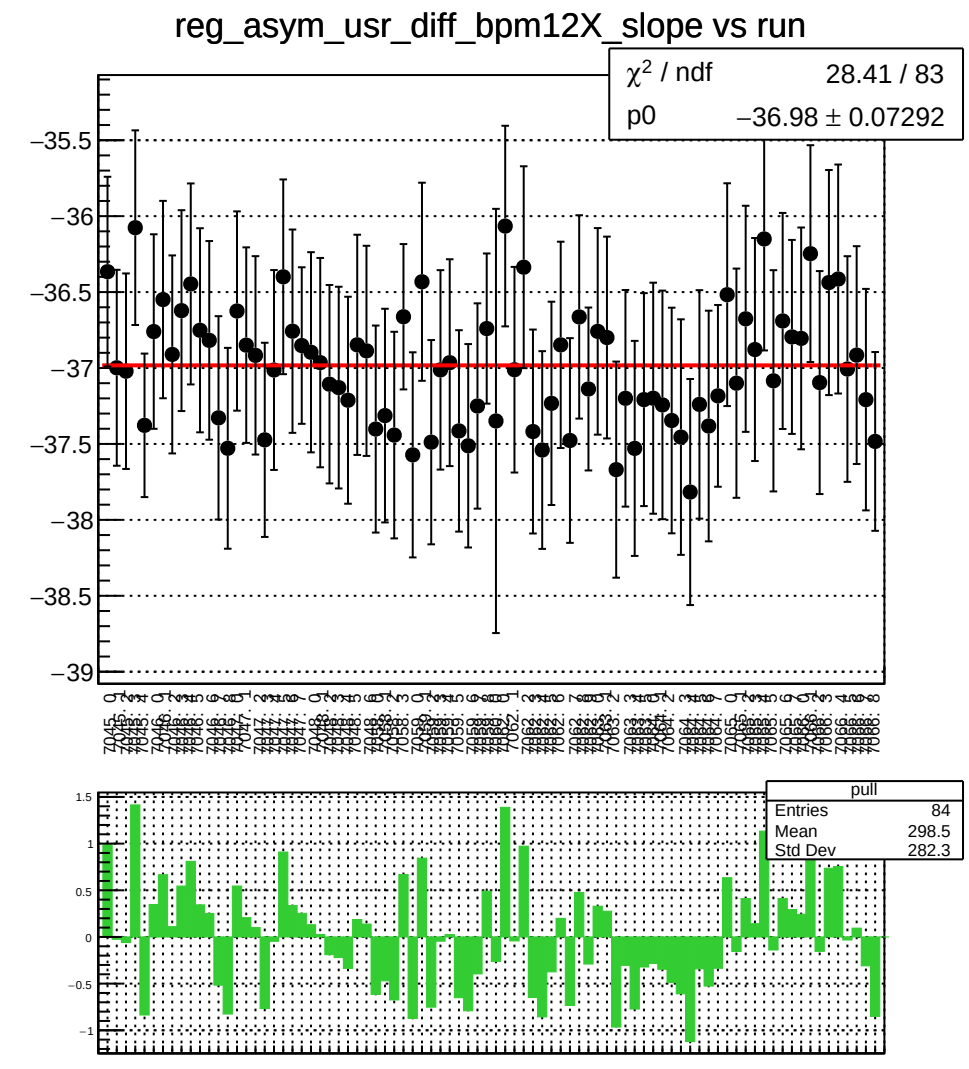

pull1D
Entries 84
Mean −0.006601
Std Dev 0.7133

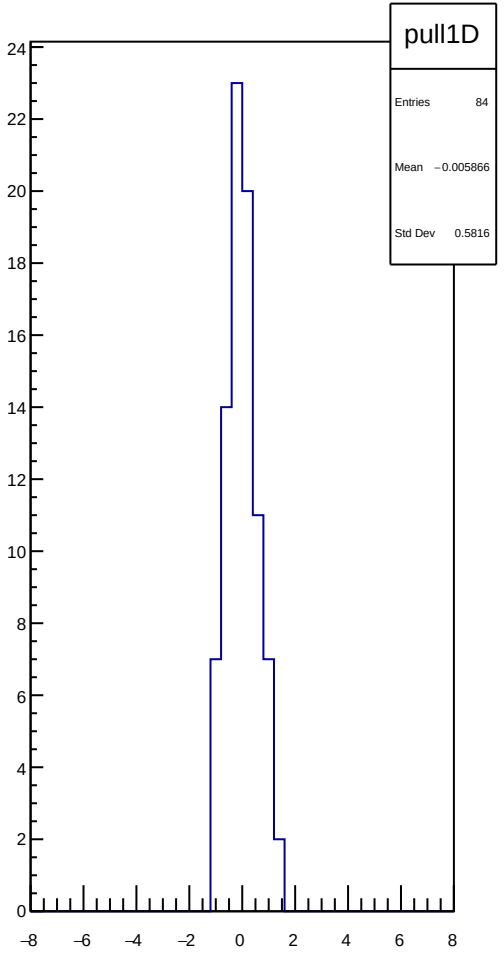

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 102 / 83
p0 116.1 ± 1.961
pull
Entries 84
Mean −339.6
Std Dev 384.5

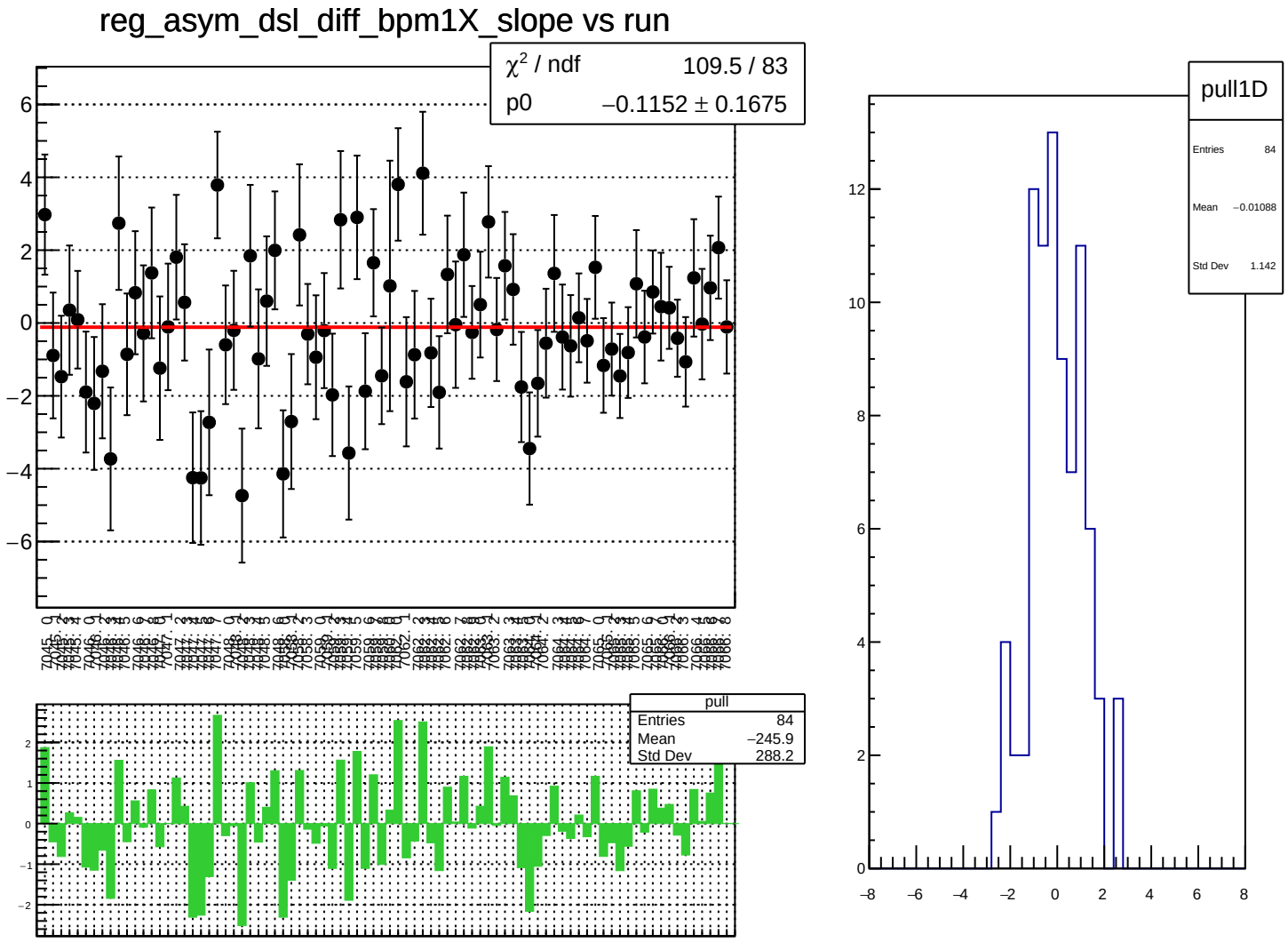

pull1D
Entries 84
Mean 0.04453
Std Dev 1.101

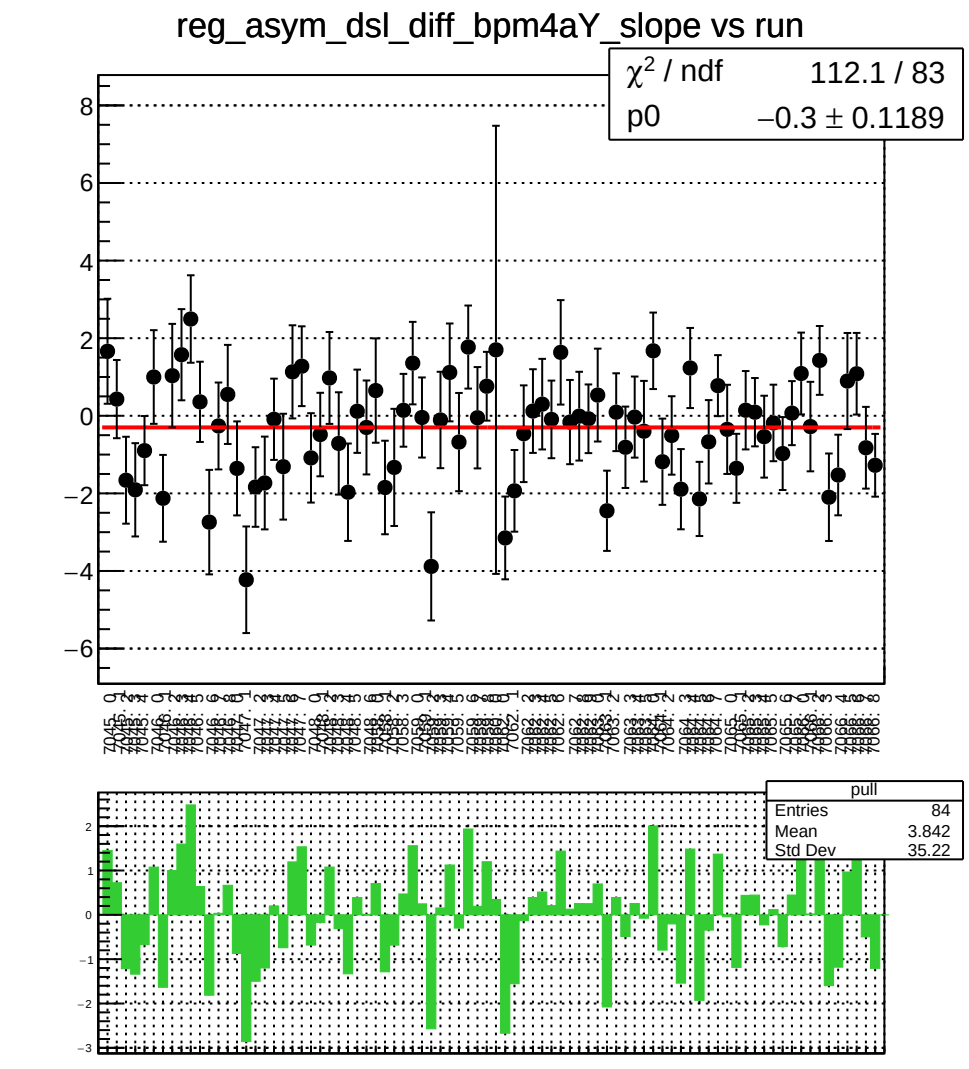

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 53.06 / 83
p0 23.71 ± 1.533
pull
Entries 84
Mean 1186
Std Dev 1143

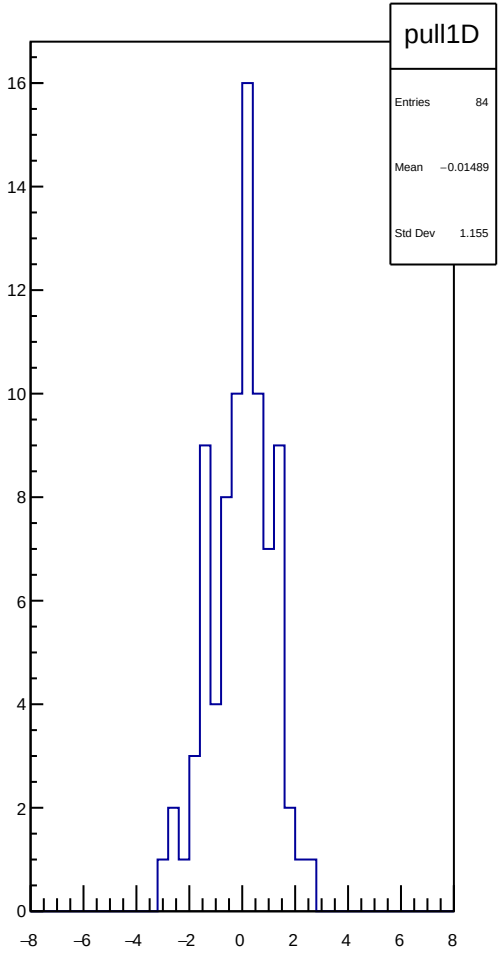

pull1D
Entries 84
Mean 0.01144
Std Dev 0.7947

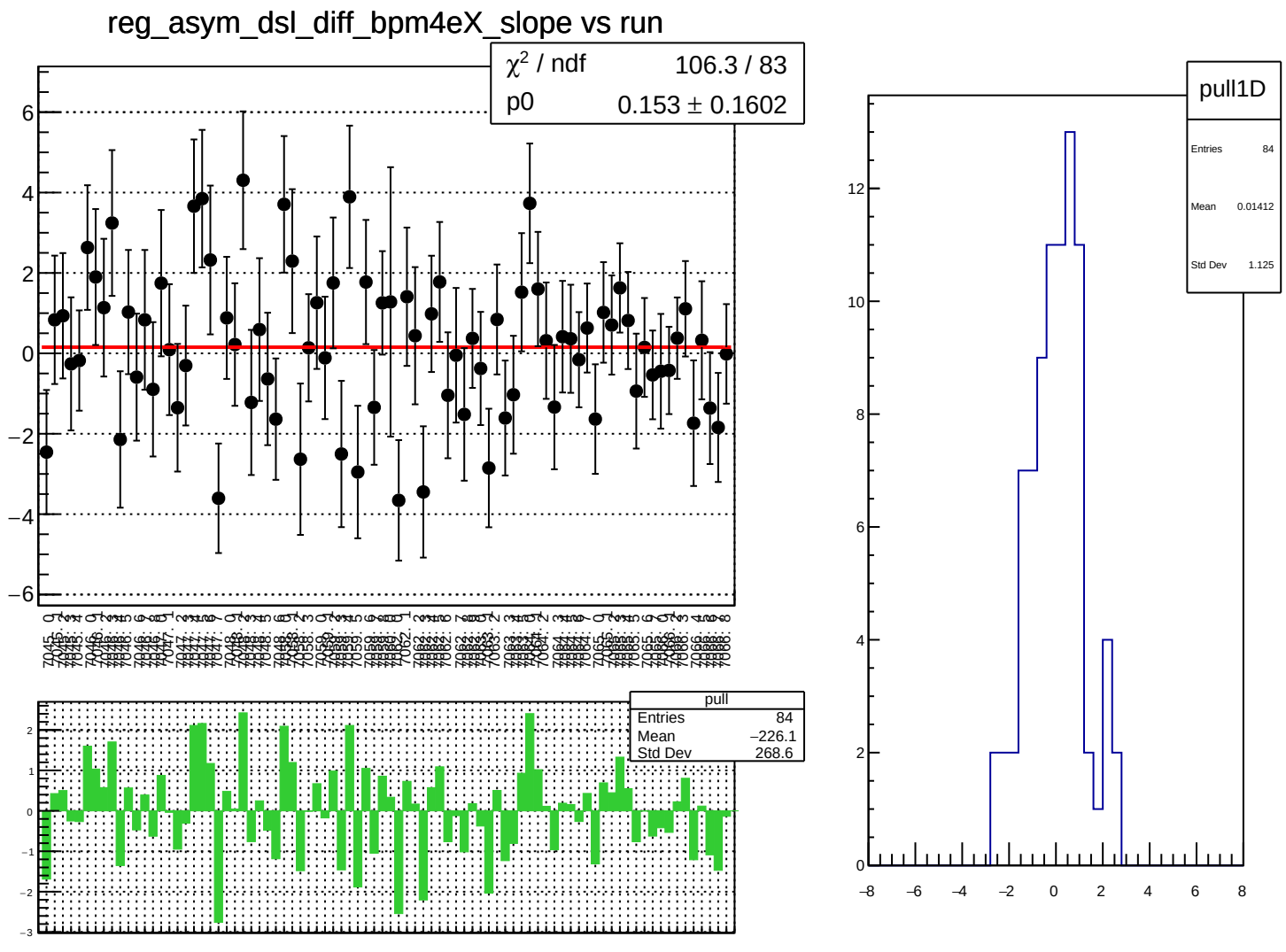

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 28.41 / 83
p0 −36.98 ± 0.07292
−35.5
−36
−36.5
−37
−37.5
−38
−38.5
−39
pull
Entries 84
Mean 298.5
Std Dev 282.3
1.5
1
0.5
0
−0.5
−1

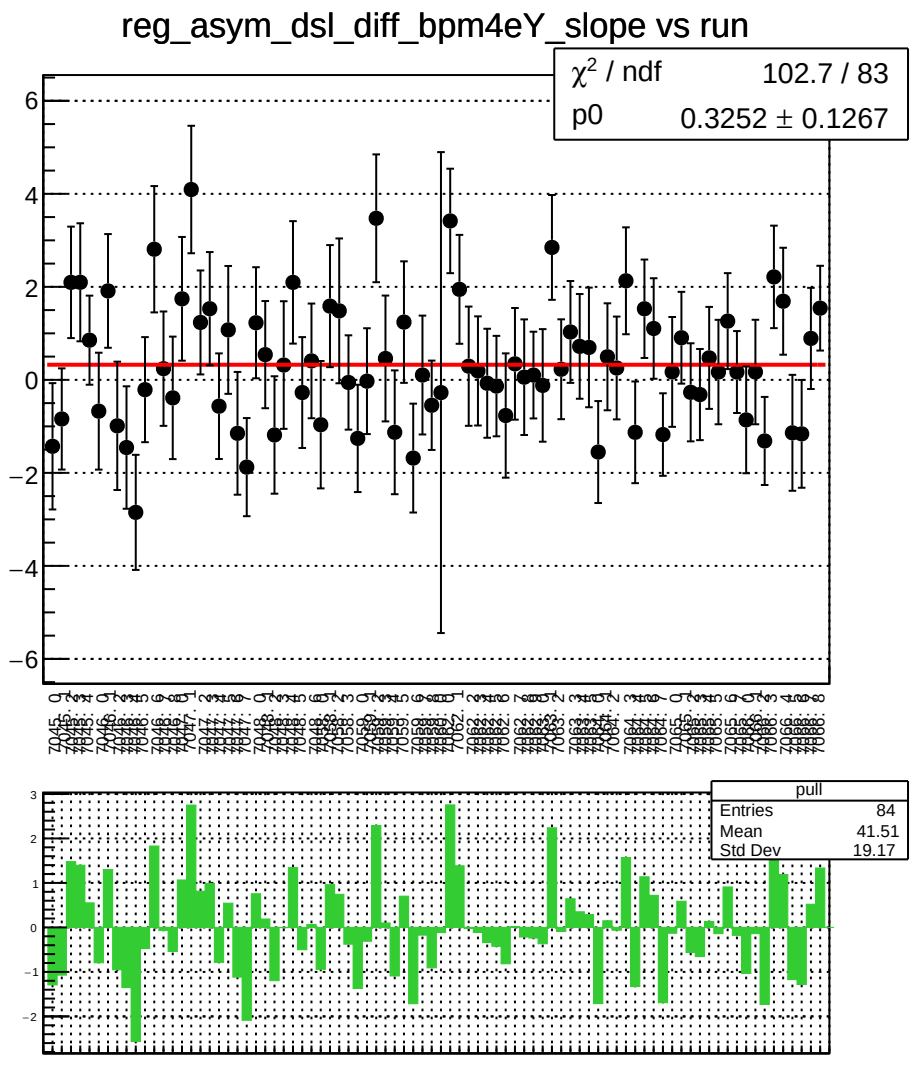

pull1D
Entries 84
Mean −0.005866
Std Dev 0.5816
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

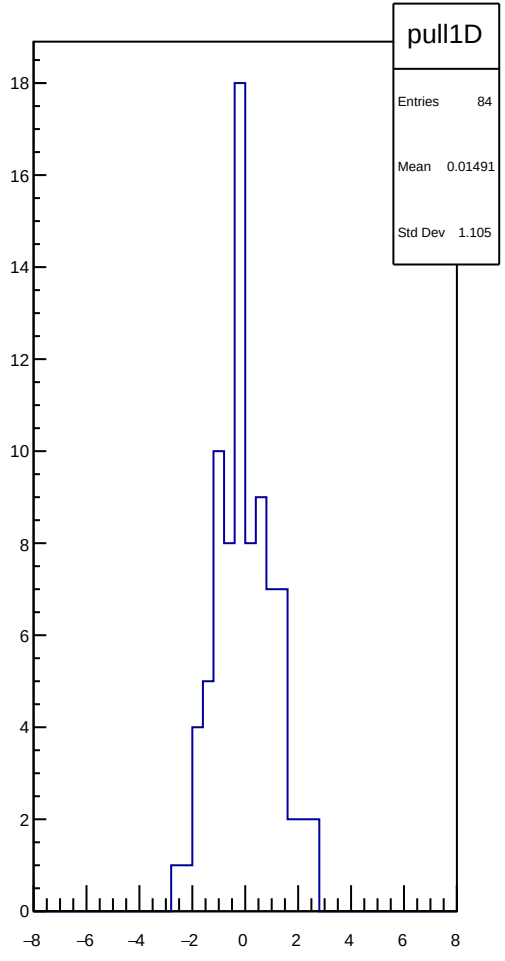

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 109.5 / 83
p0 −0.1152 ± 0.1675
pull
Entries 84
Mean −245.9
Std Dev 288.2
pull1D
Entries 84
Mean −0.01088
Std Dev 1.142

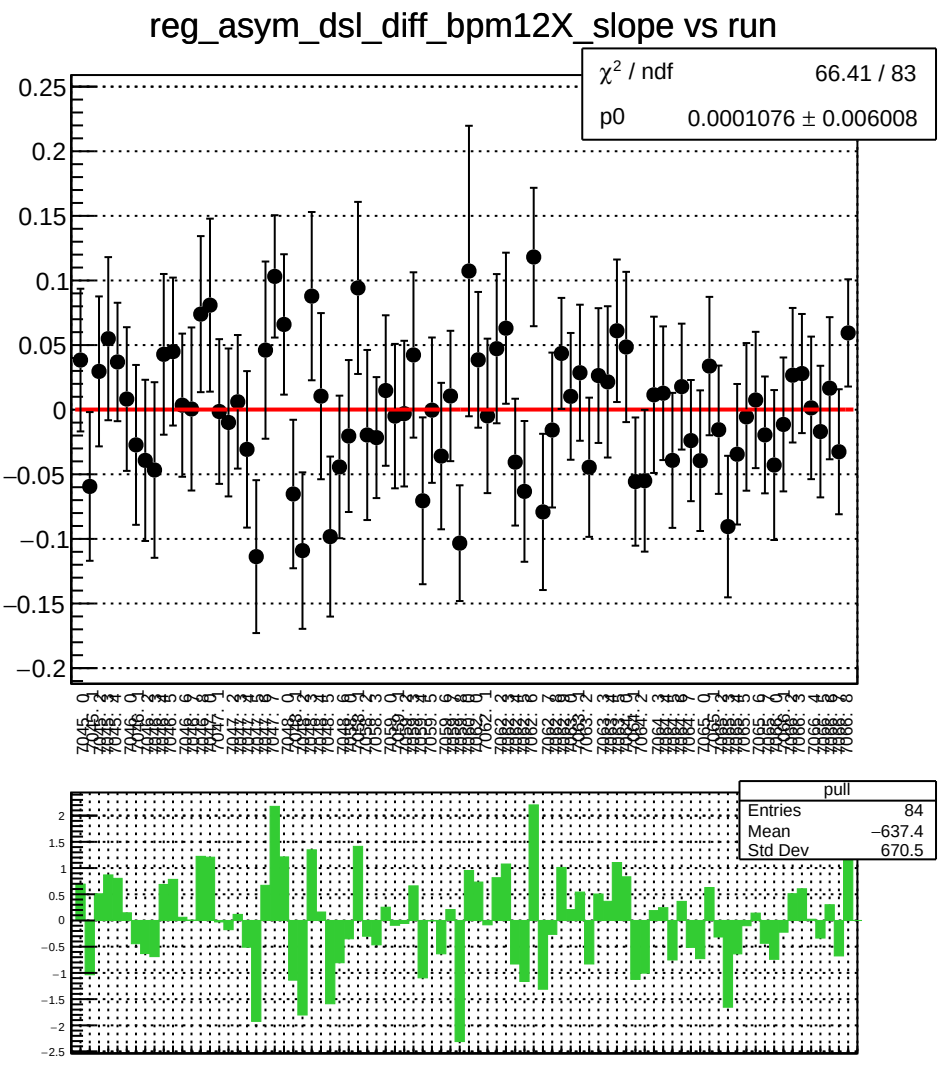

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 112.1 / 83
p0 −0.3 ± 0.1189
pull
Entries 84
Mean 3.842
Std Dev 35.22

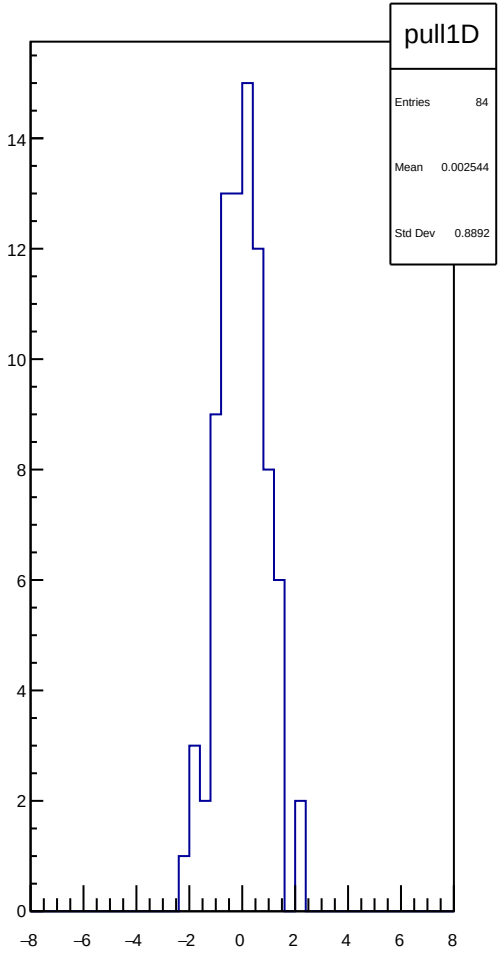

pull1D
Entries 84
Mean −0.01489
Std Dev 1.155

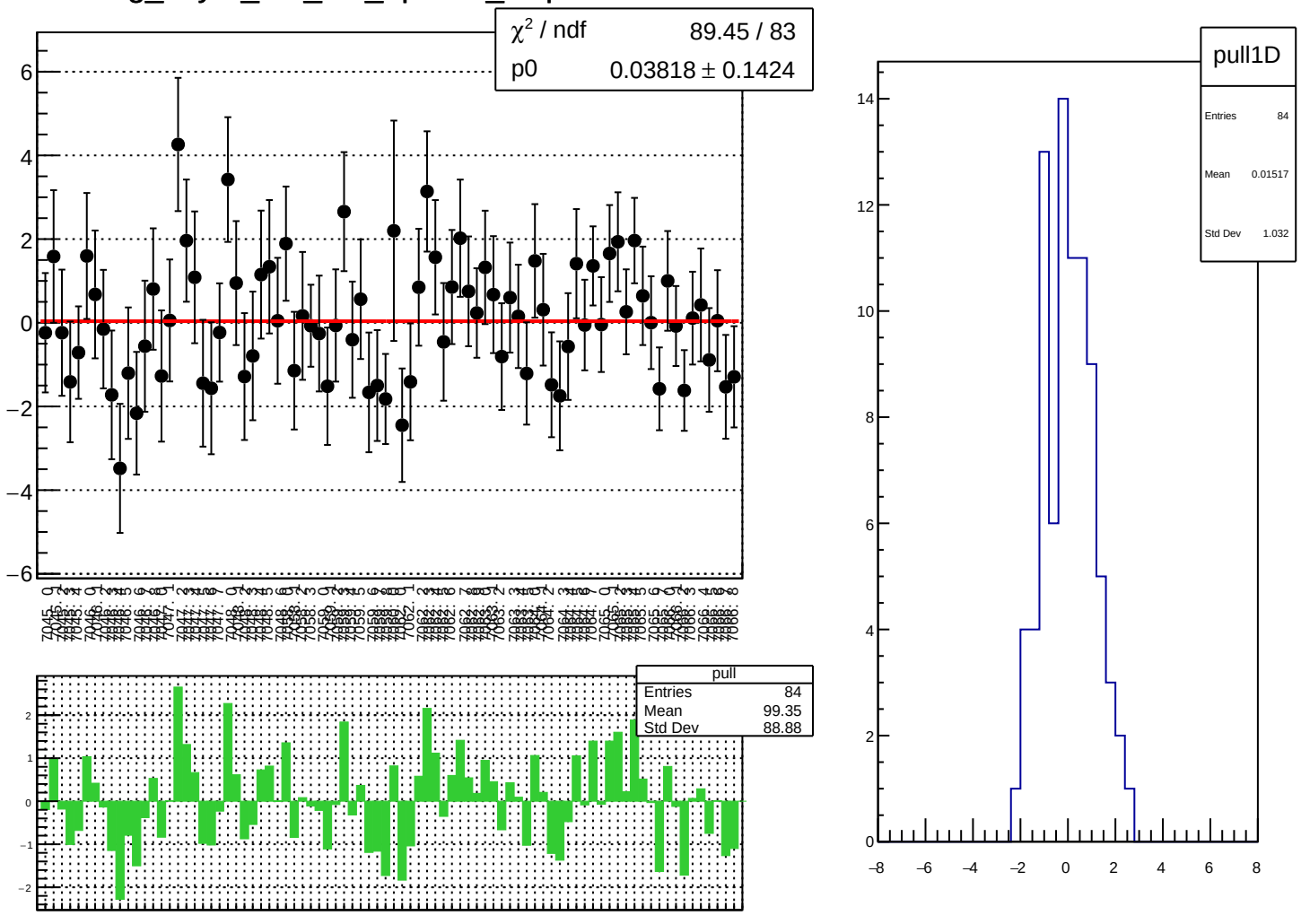

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 106.3 / 83
p0 0.153 ± 0.1602
pull
Entries 84
Mean −226.1
Std Dev 268.6
pull1D
Entries 84
Mean 0.01412
Std Dev 1.125

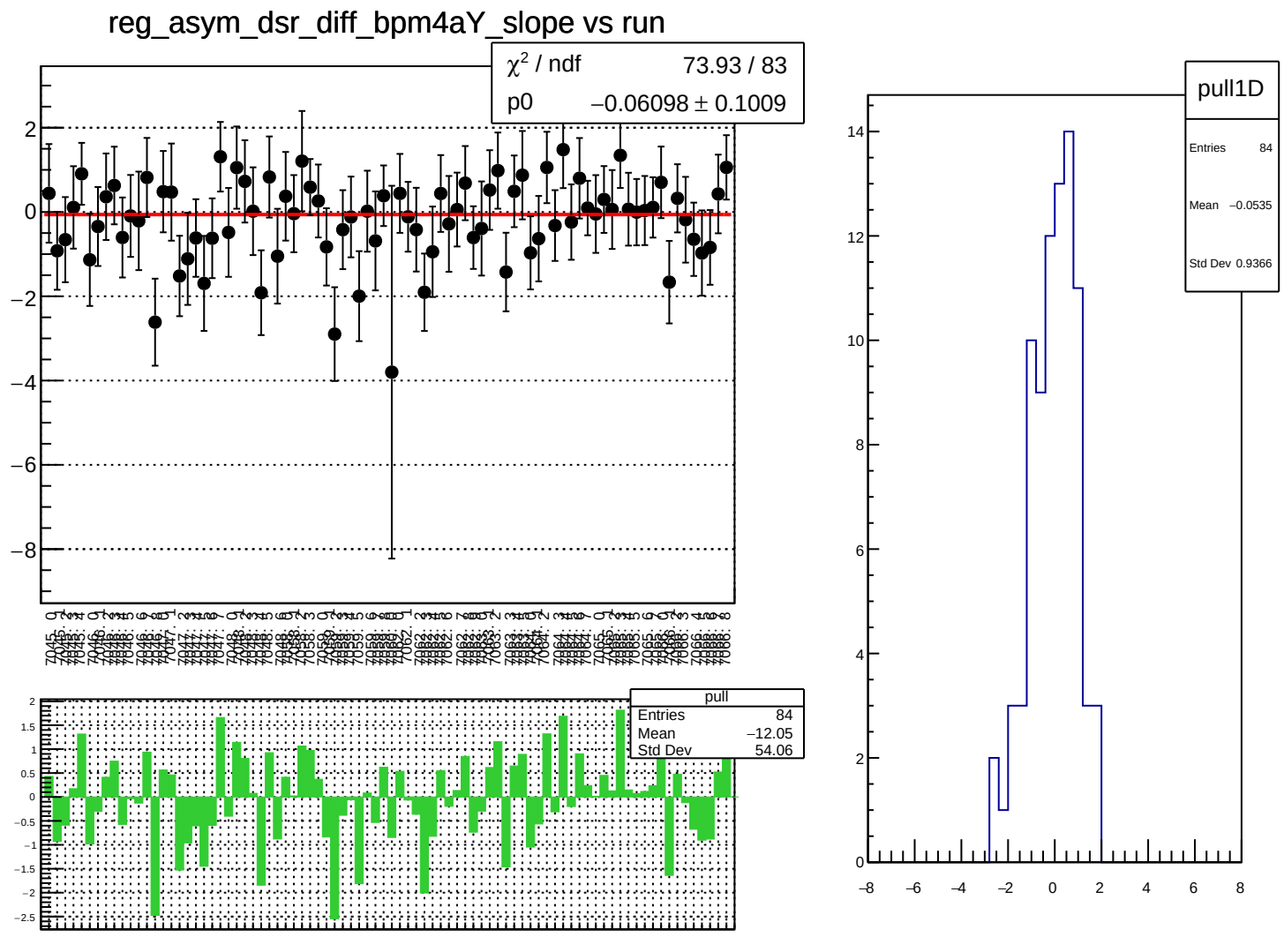

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 102.7 / 83
p0 0.3252 ± 0.1267
pull
Entries 84
Mean 41.51
Std Dev 19.17

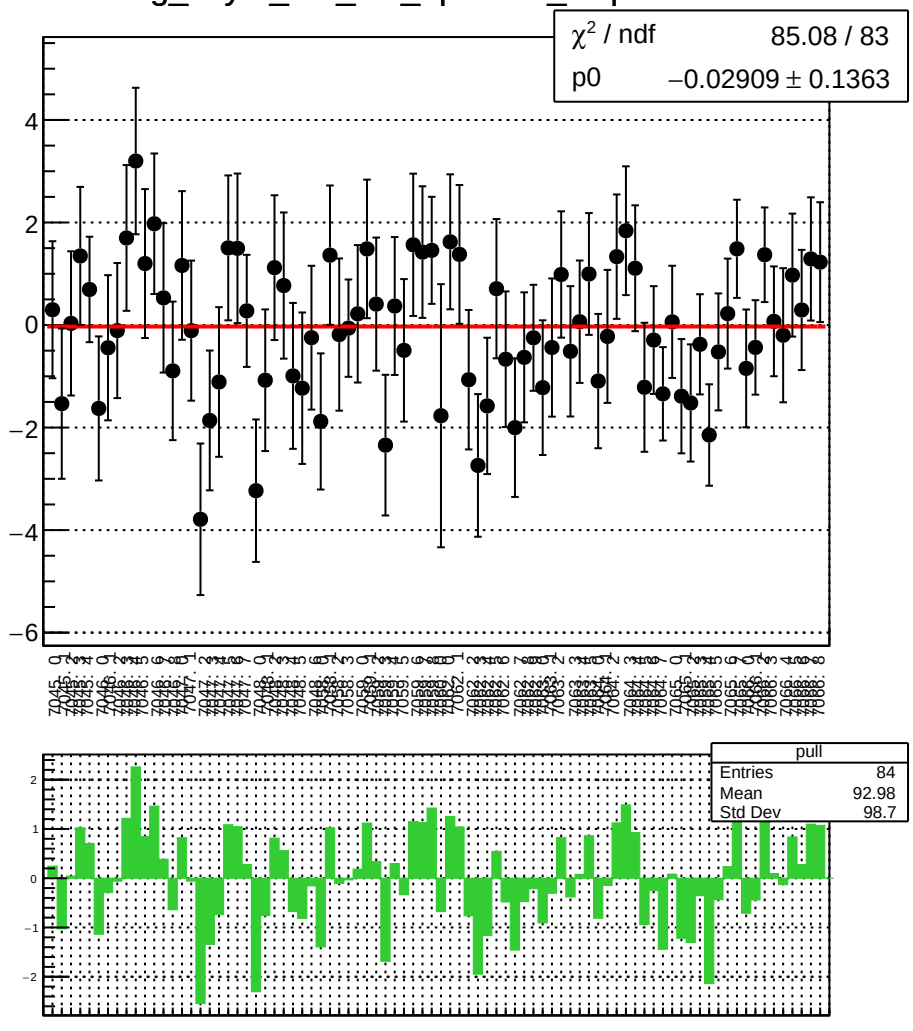

pull1D
Entries 84
Mean 0.01491
Std Dev 1.105

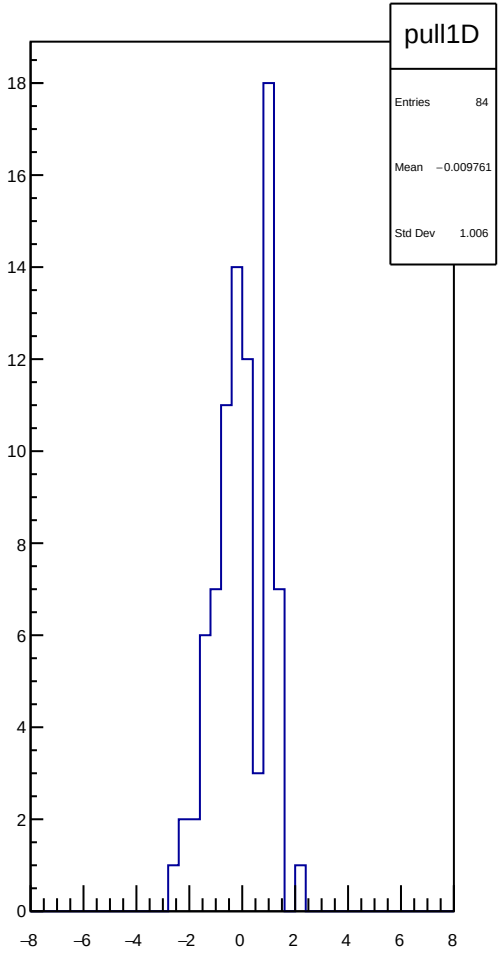

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 66.41 / 83
p0 0.0001076 ± 0.006008
pull
Entries 84
Mean −637.4
Std Dev 670.5

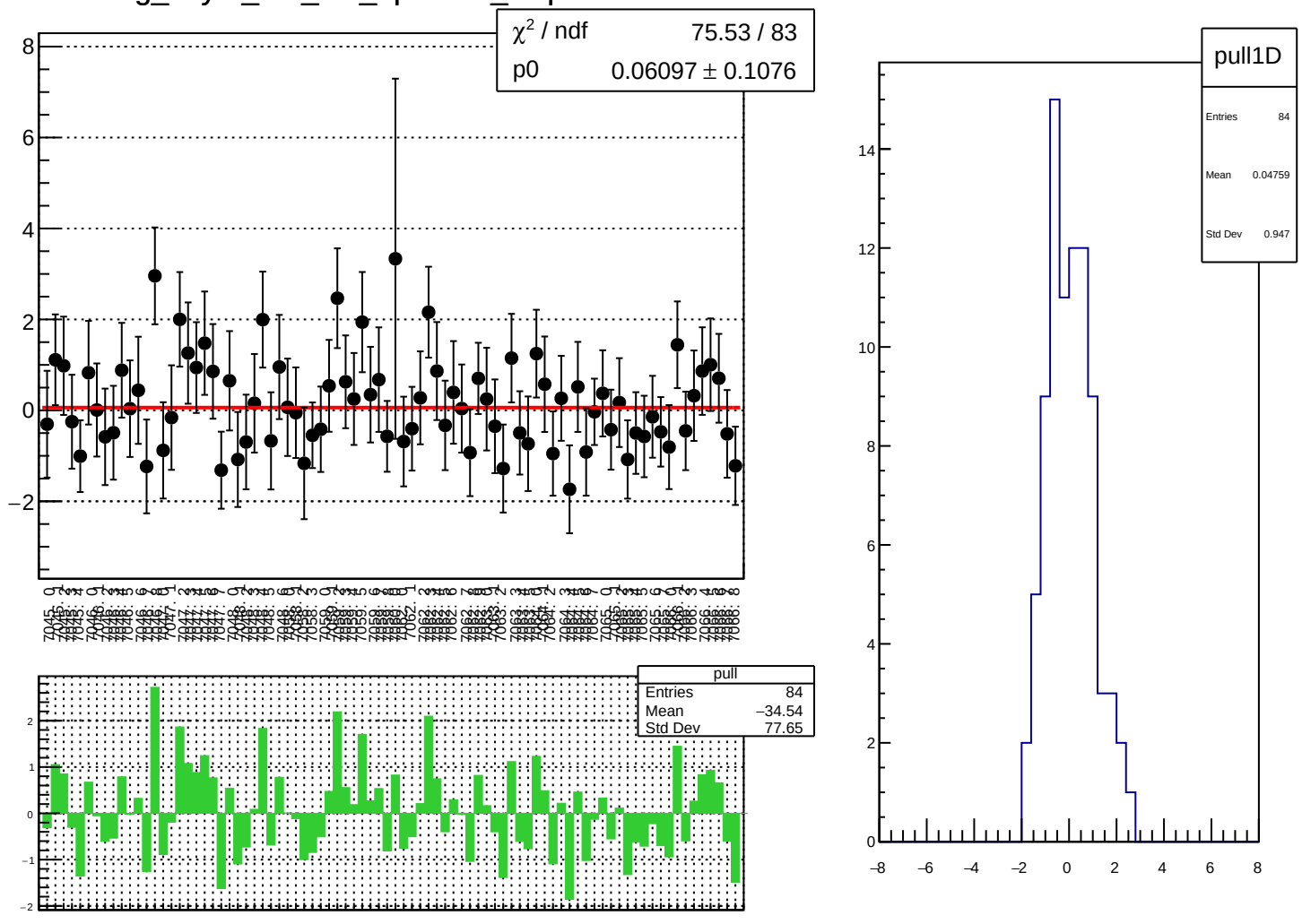

pull1D
Entries 84
Mean 0.002544
Std Dev 0.8892

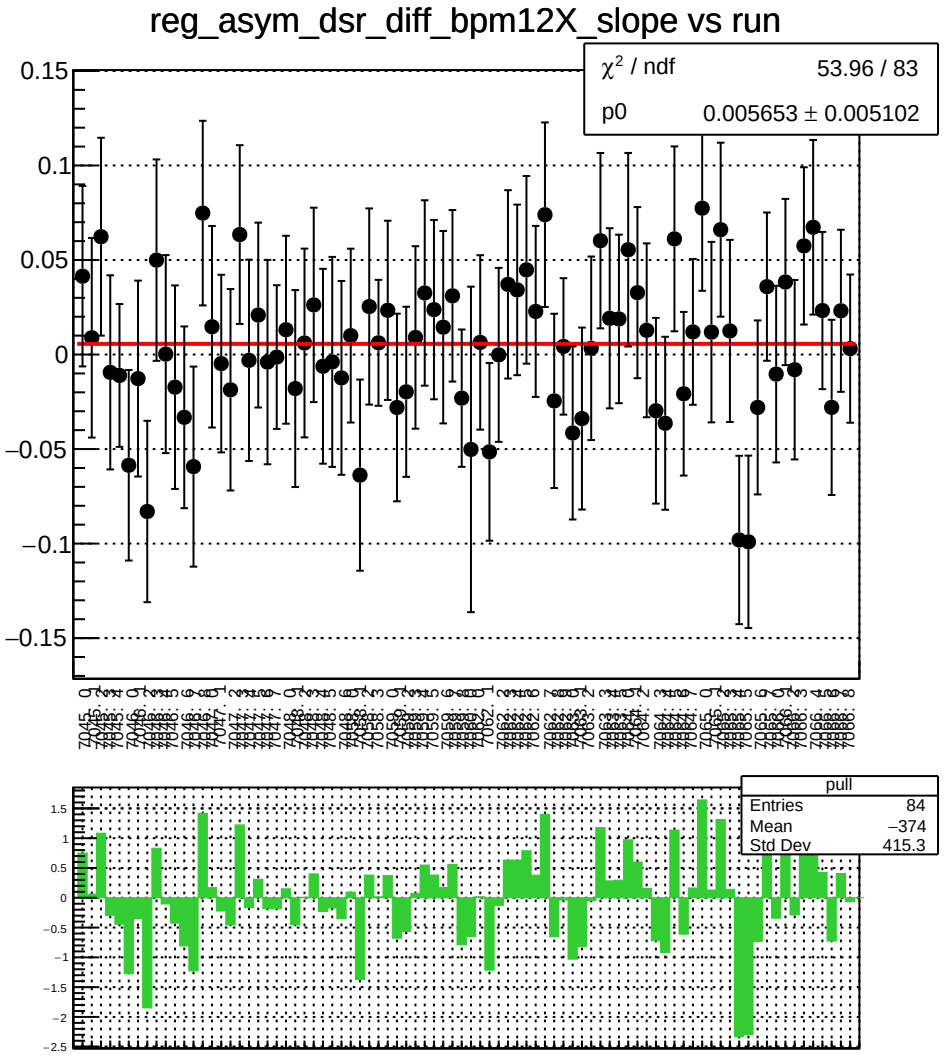

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 89.45 / 83
p0 0.03818 ± 0.1424
pull
Entries 84
Mean 99.35
Std Dev 88.88
pull1D
Entries 84
Mean 0.01517
Std Dev 1.032

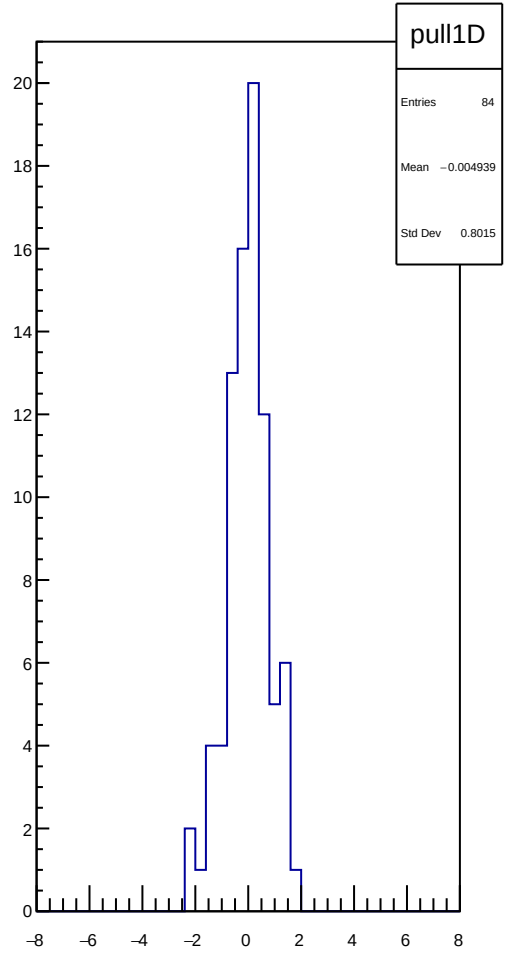

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 73.93 / 83
p0 −0.06098 ± 0.1009
pull
Entries 84
Mean −12.05
Std Dev 54.06
pull1D
Entries 84
Mean −0.0535
Std Dev 0.9366

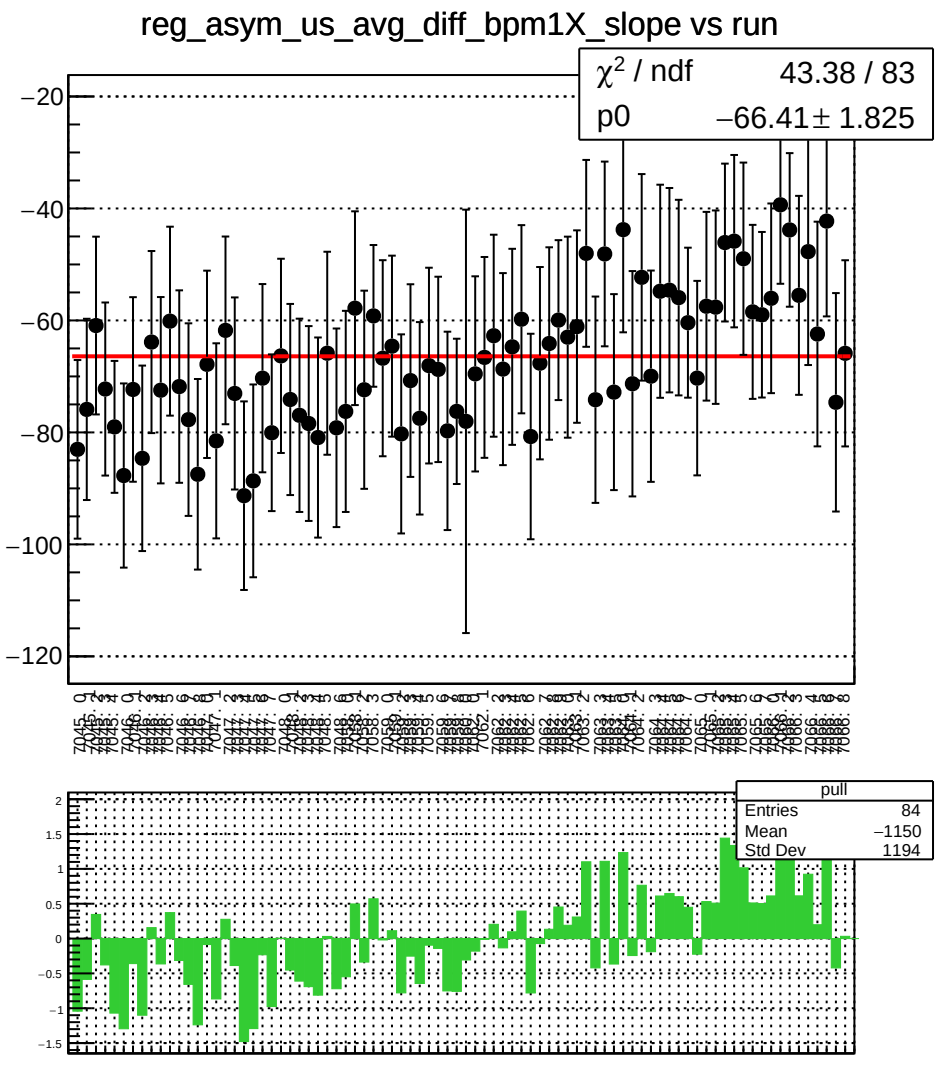

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 85.08 / 83
p0 −0.02909 ± 0.1363
pull
Entries 84
Mean 92.98
Std Dev 98.7

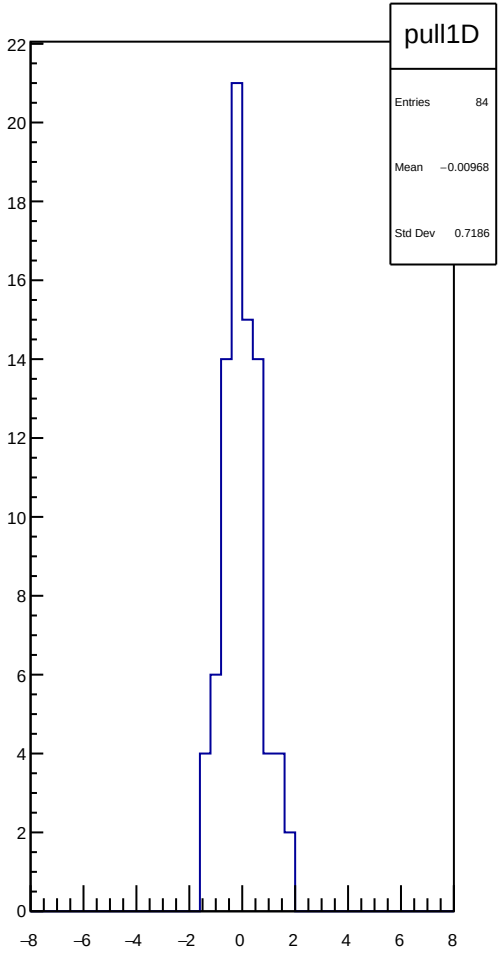

pull1D
Entries 84
Mean −0.009761
Std Dev 1.006

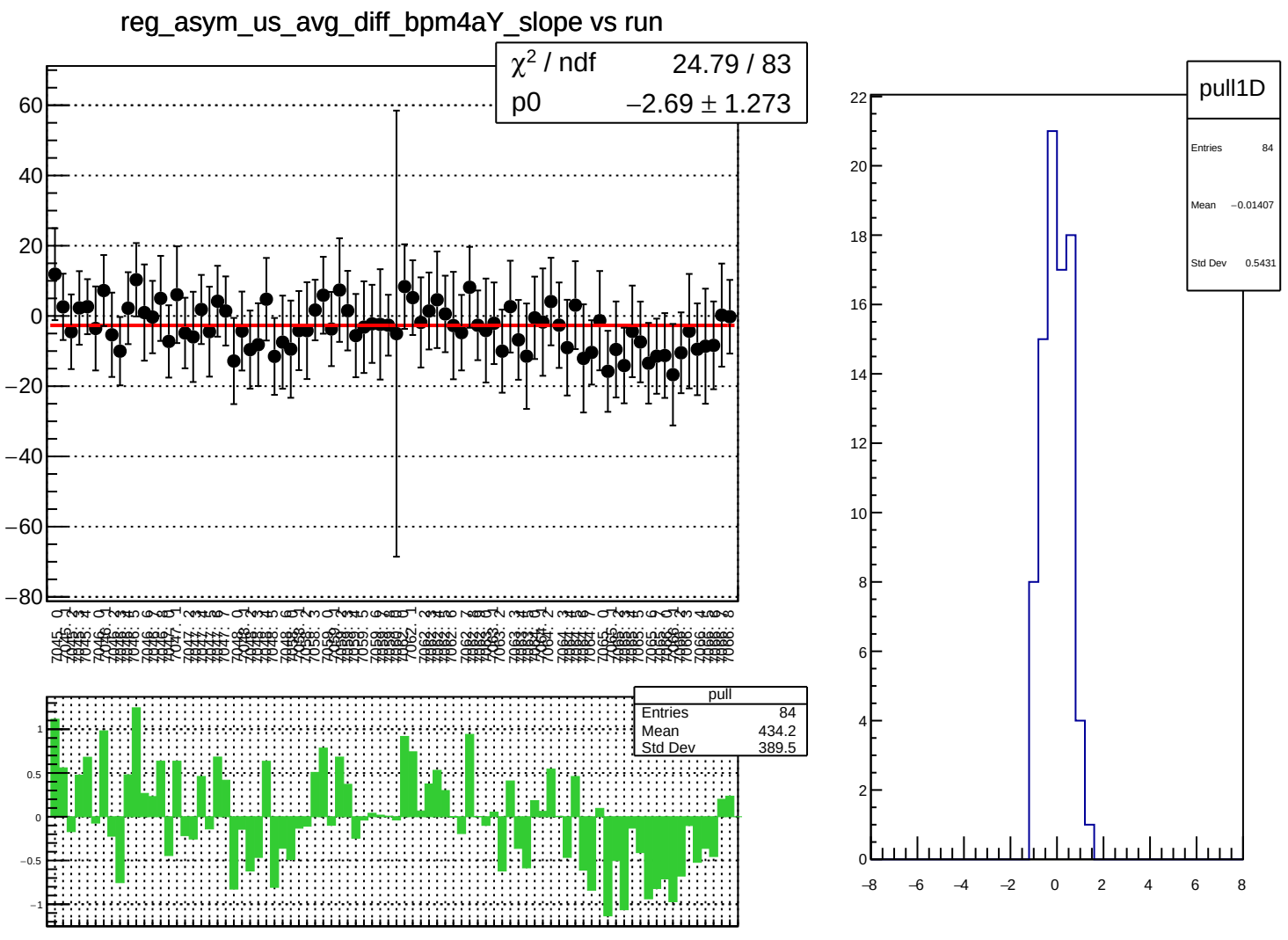

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 75.53 / 83
p0 0.06097 ± 0.1076
pull
Entries 84
Mean −34.54
Std Dev 77.65
pull1D
Entries 84
Mean 0.04759
Std Dev 0.947

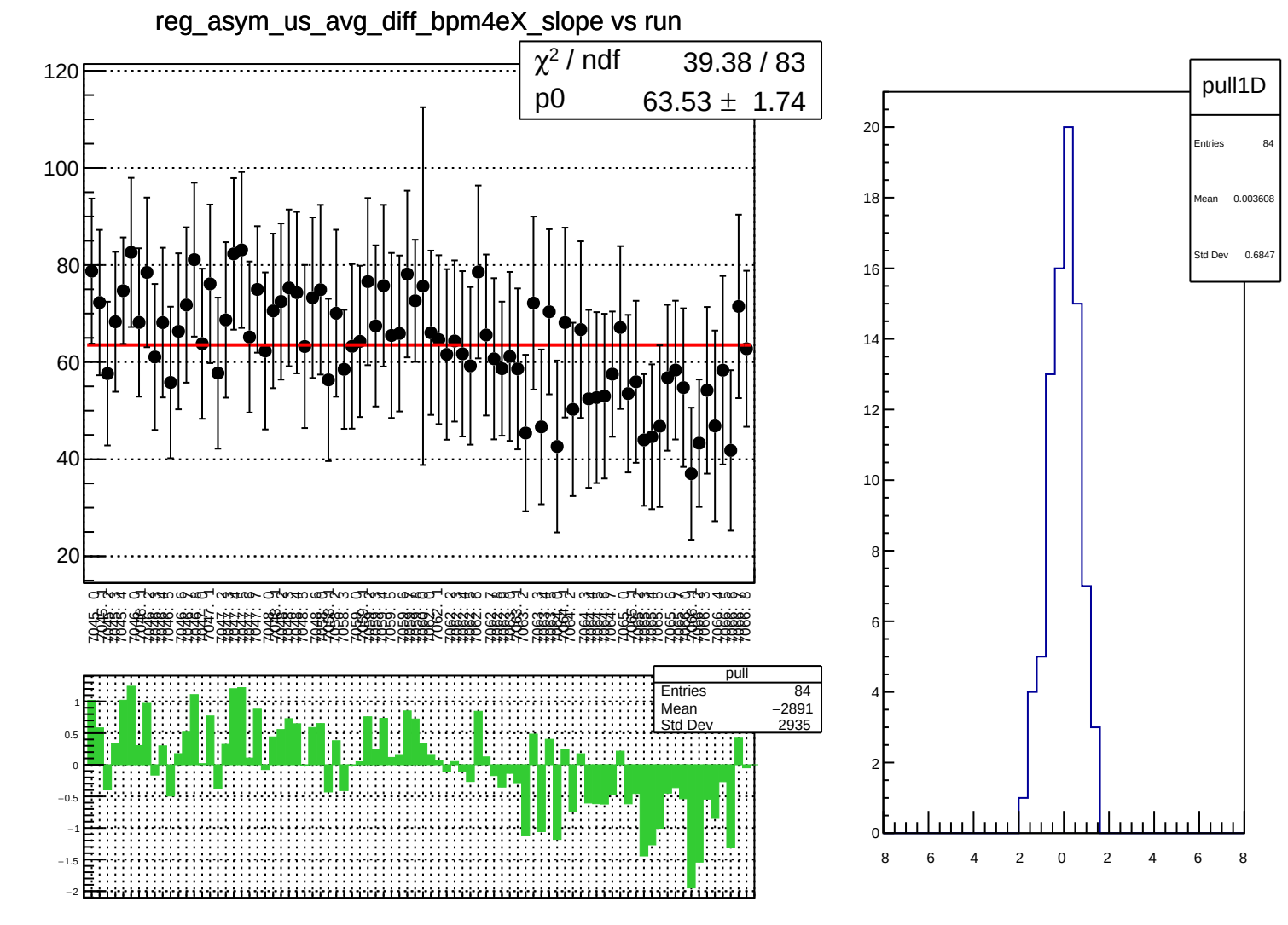

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 53.96 / 83
p0 0.005653 ± 0.005102
pull
Entries 84
Mean −374
Std Dev 415.3

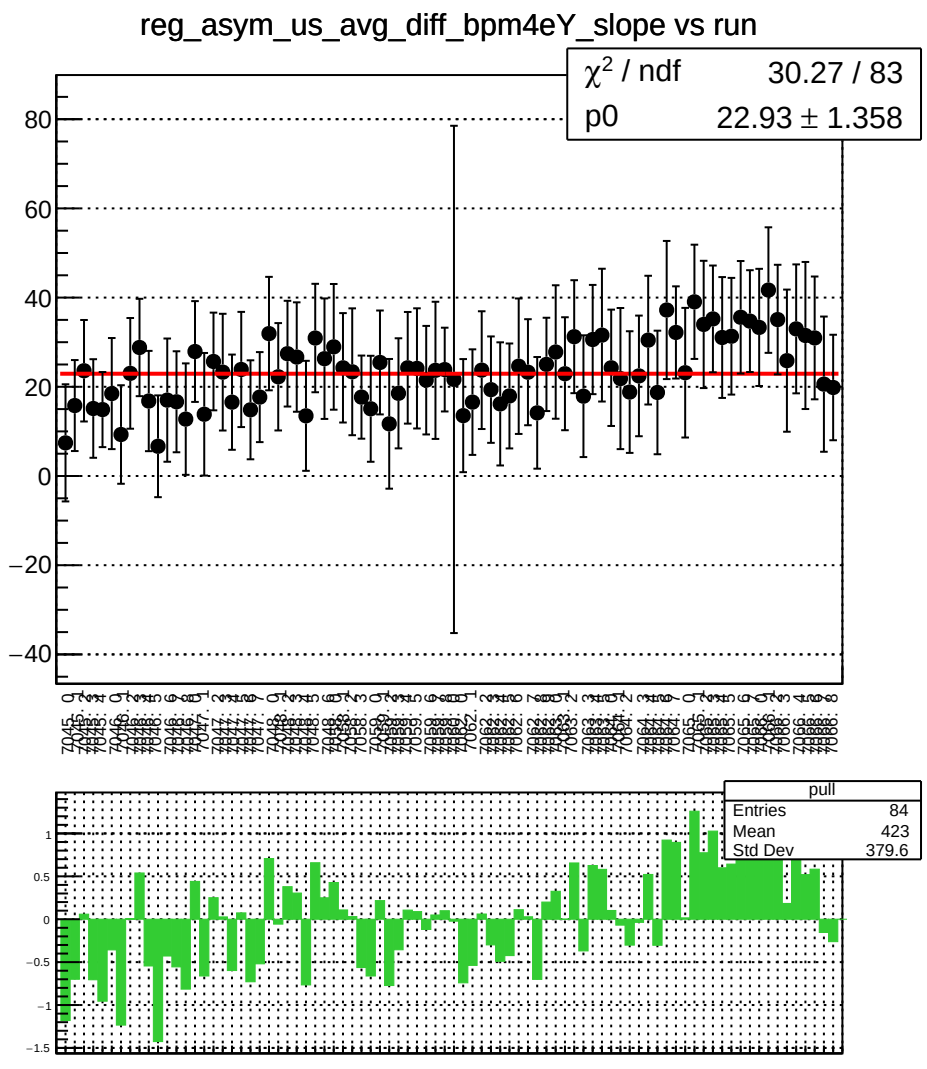

pull1D
Entries 84
Mean −0.004939
Std Dev 0.8015

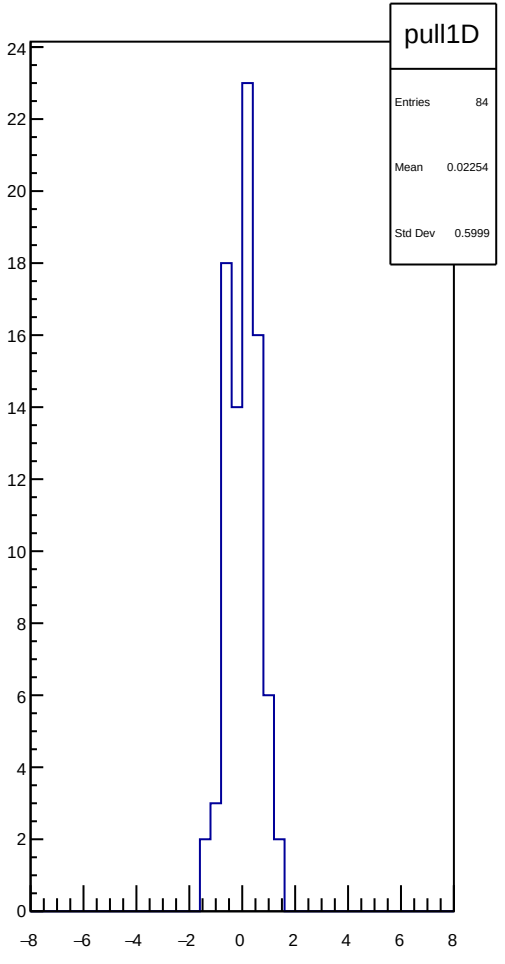

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 43.38 / 83
p0 −66.41 ± 1.825
pull
Entries 84
Mean −1150
Std Dev 1194

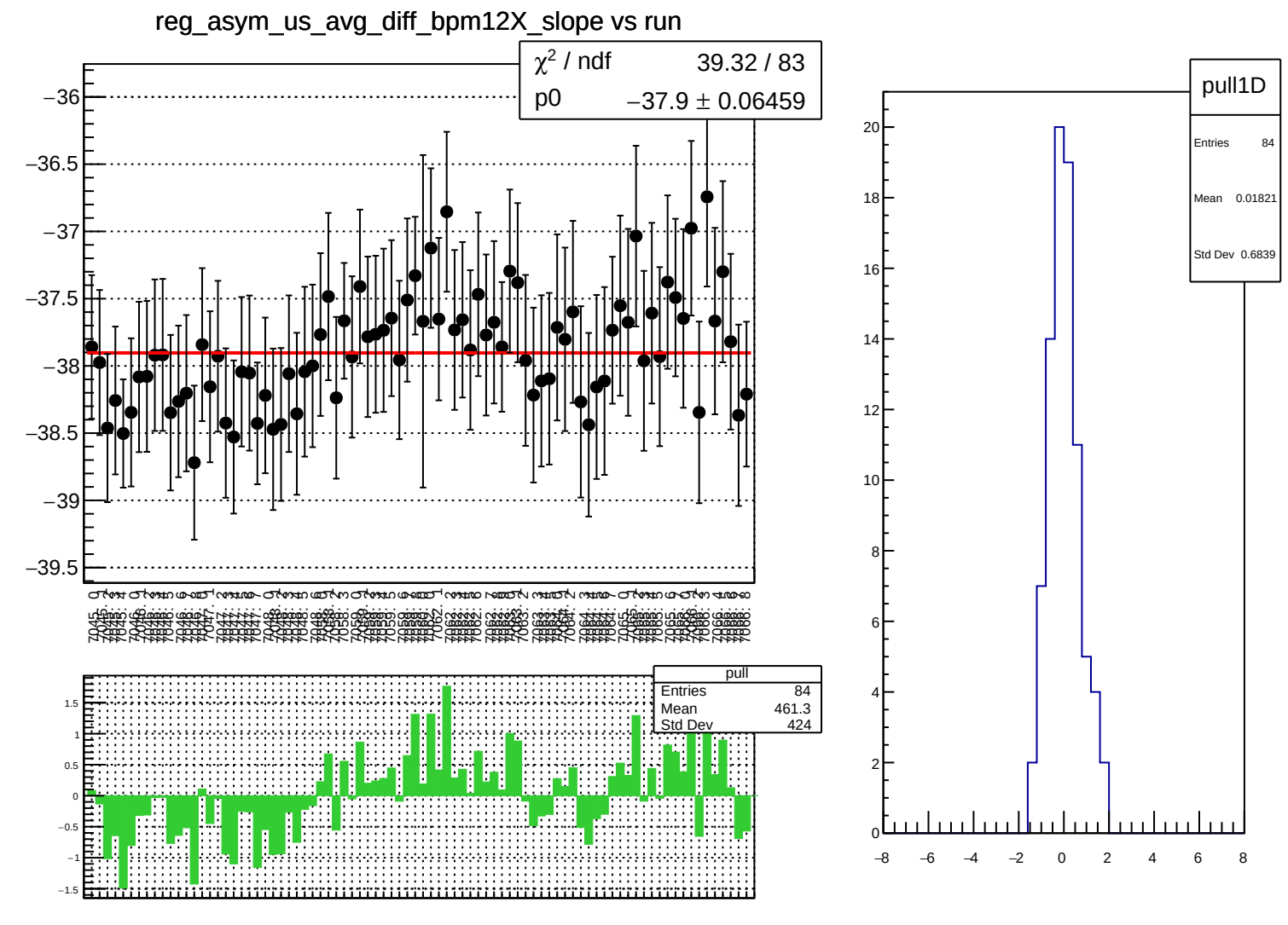

pull1D
Entries 84
Mean −0.00968
Std Dev 0.7186

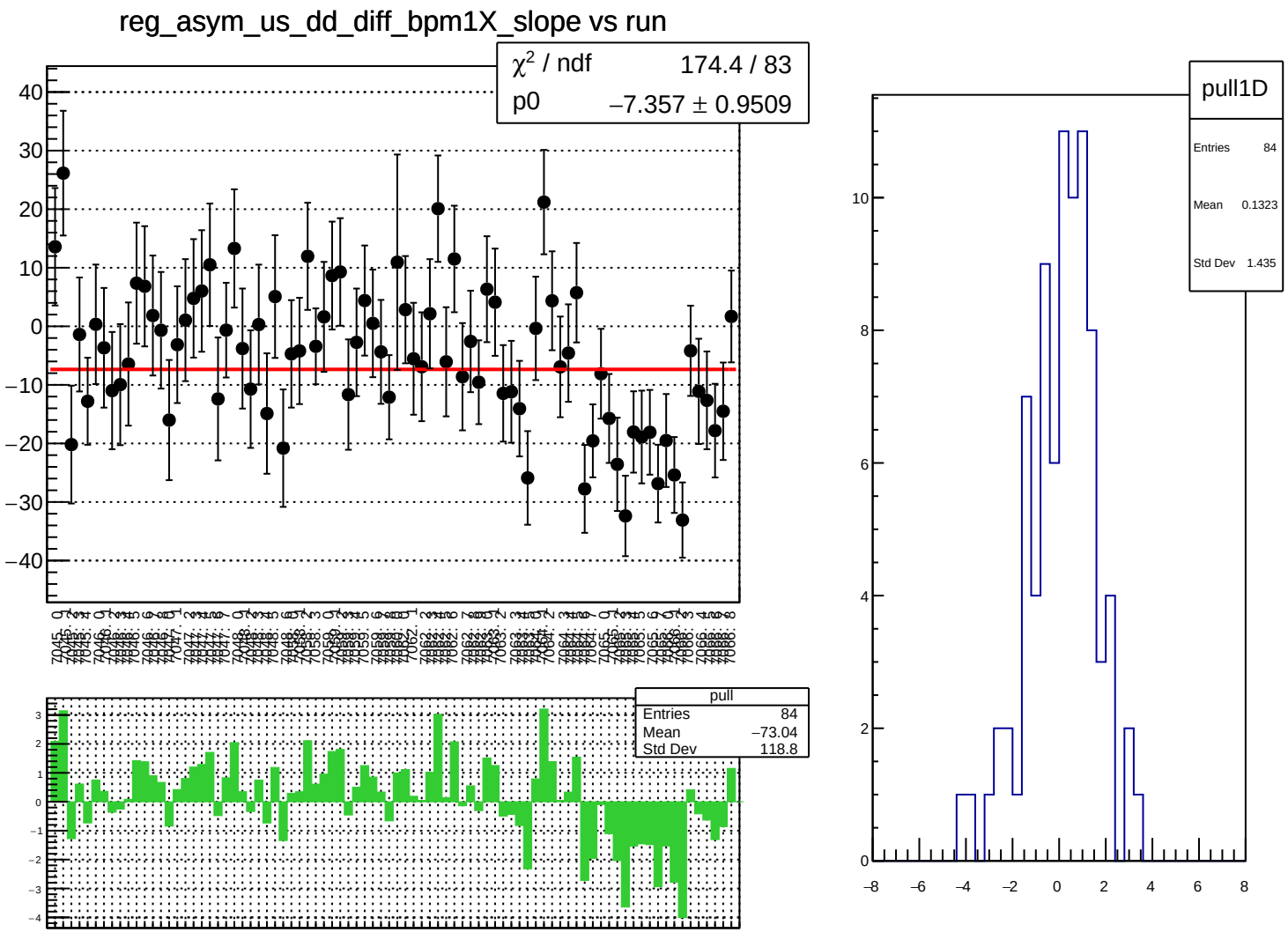

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.79 / 83
p0 −2.69 ± 1.273
pull
Entries 84
Mean 434.2
Std Dev 389.5
pull1D
Entries 84
Mean −0.01407
Std Dev 0.5431

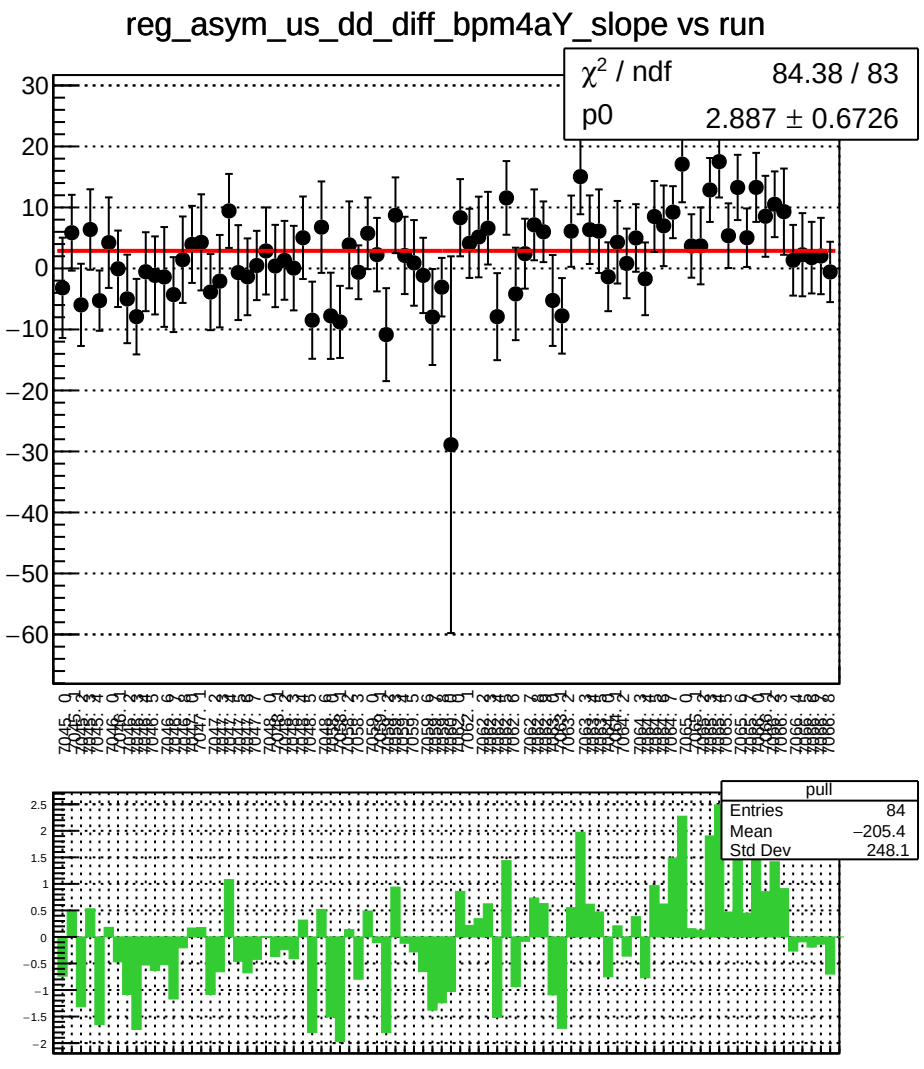

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.38 / 83
p0 63.53 ± 1.74
pull
Entries 84
Mean −2891
Std Dev 2935
pull1D
Entries 84
Mean 0.003608
Std Dev 0.6847

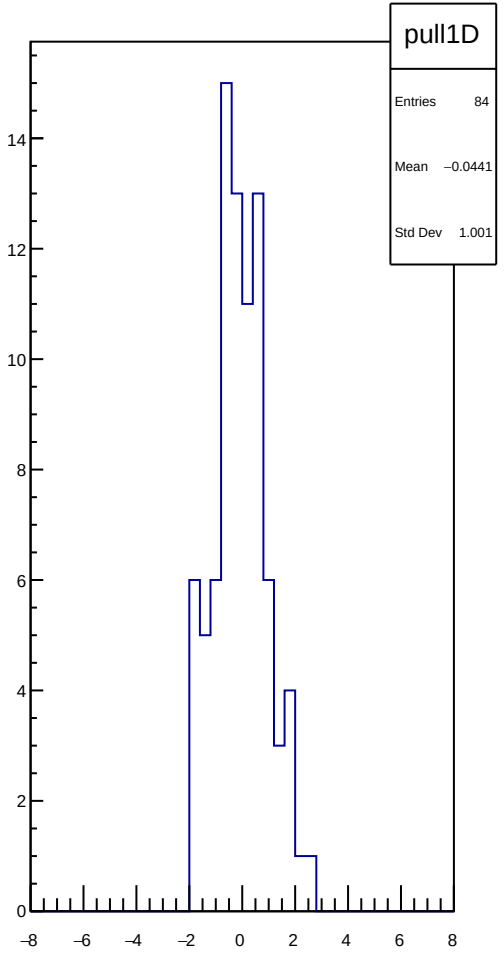

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 30.27 / 83
p0 22.93 ± 1.358
pull
Entries 84
Mean 423
Std Dev 379.6

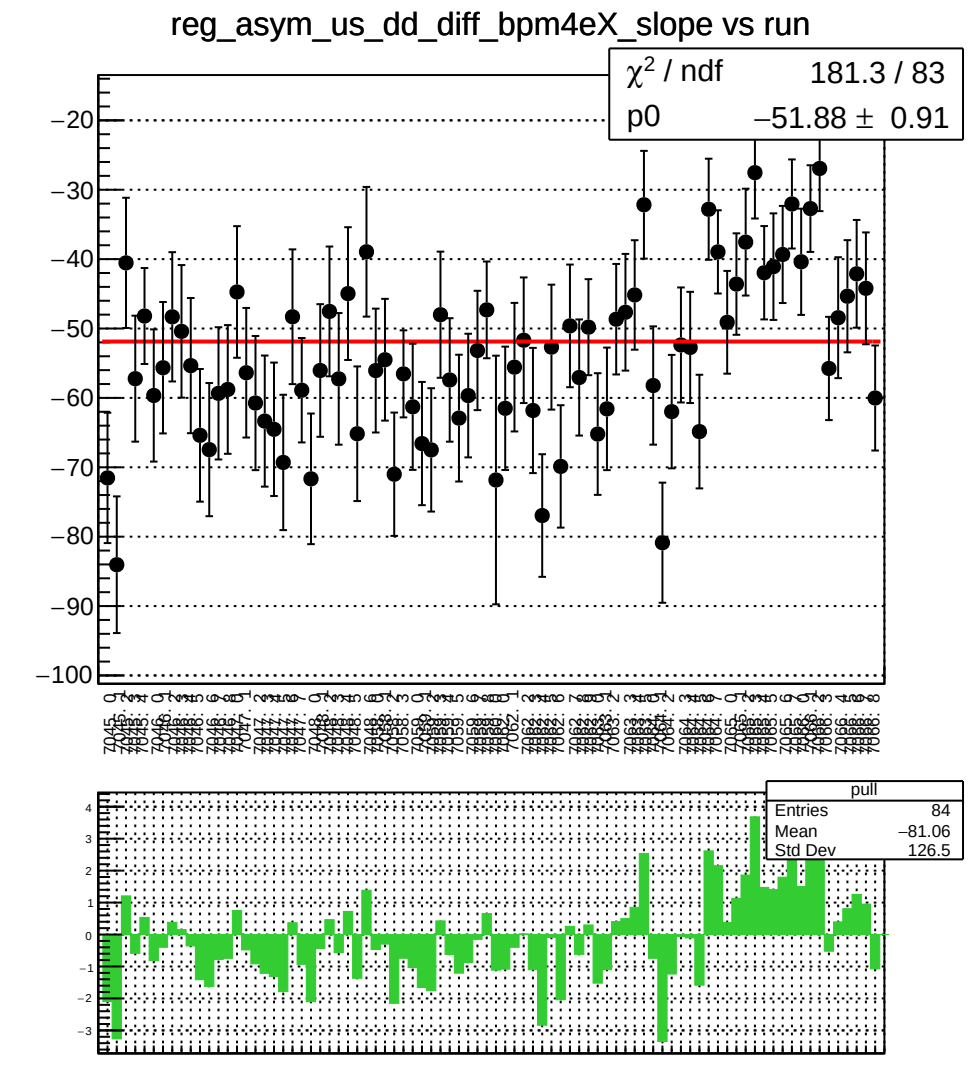

pull1D
Entries 84
Mean 0.02254
Std Dev 0.5999

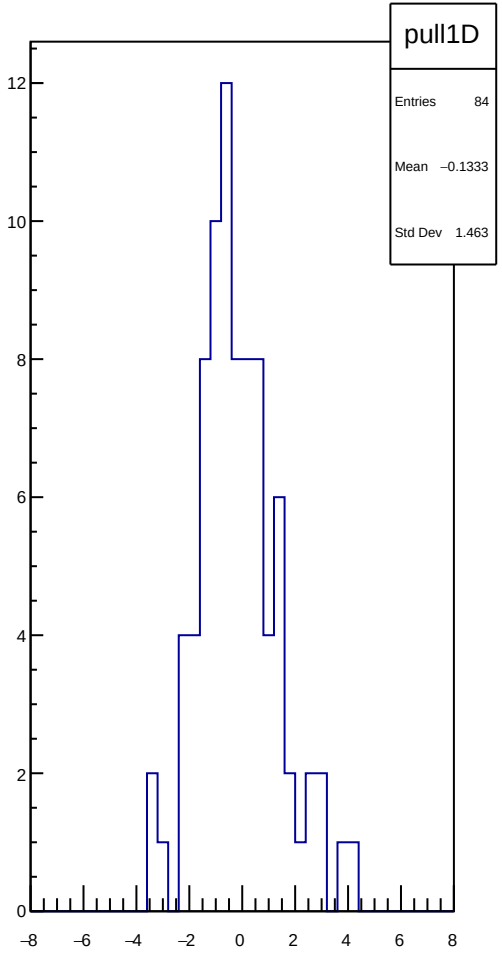

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 39.32 / 83
p0 −37.9 ± 0.06459
−36
−36.5
−37
−37.5
−38
−38.5
−39
−39.5
pull
Entries 84
Mean 461.3
Std Dev 424
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.01821
Std Dev 0.6839
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

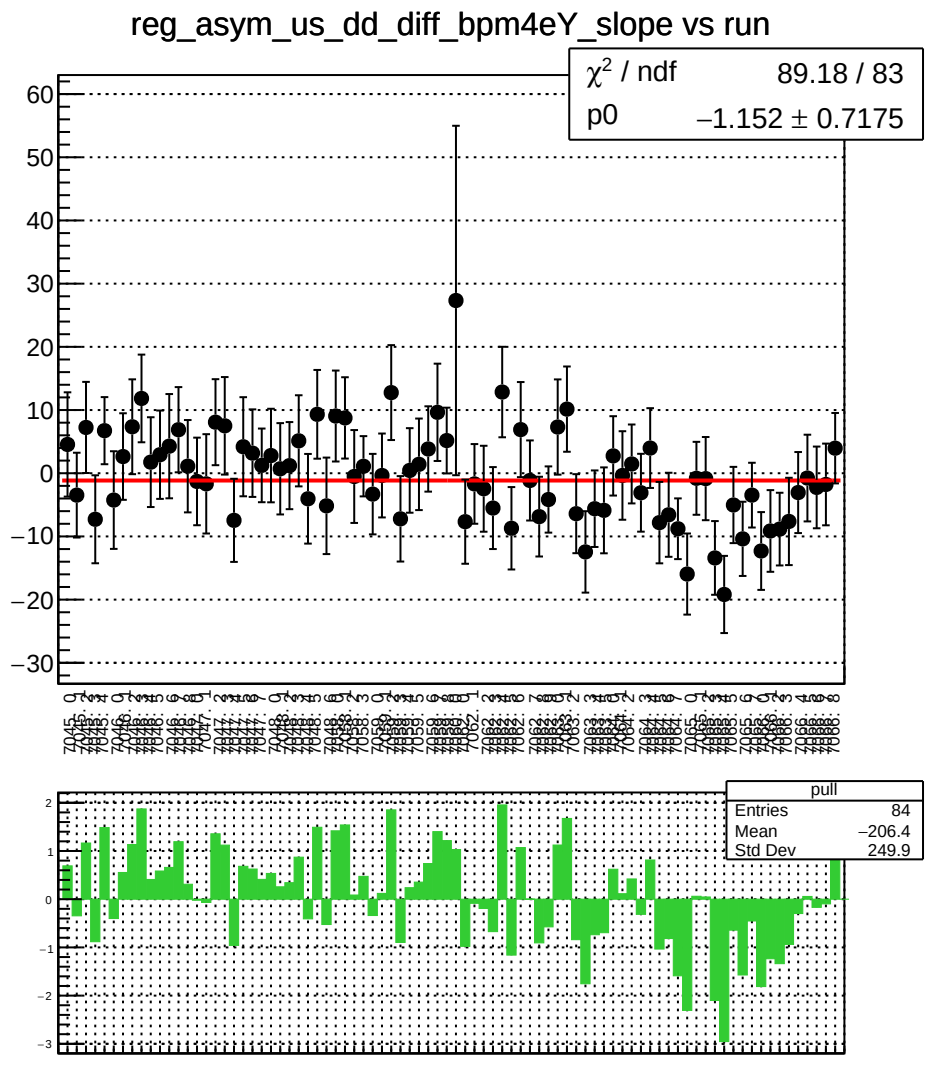

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 174.4 / 83
p0 −7.357 ± 0.9509
pull
Entries 84
Mean −73.04
Std Dev 118.8
pull1D
Entries 84
Mean 0.1323
Std Dev 1.435

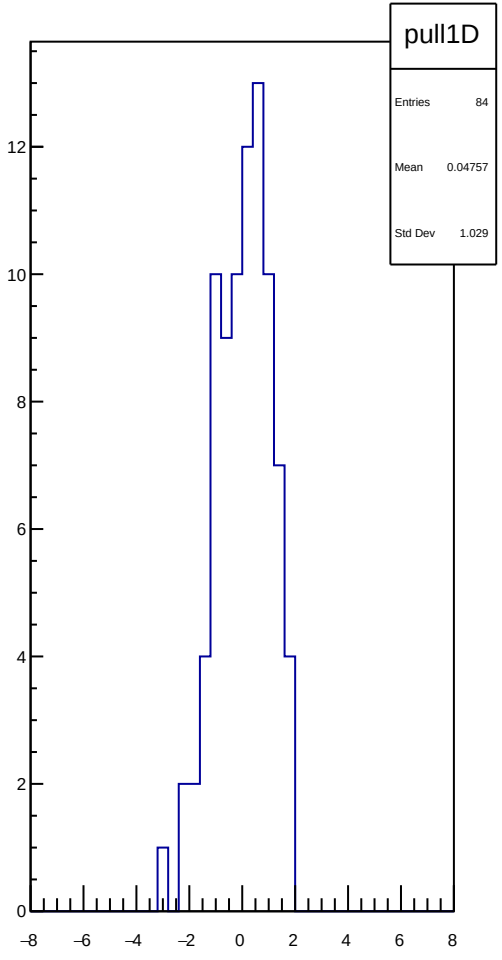

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.38 / 83
p0 2.887 ± 0.6726
pull
Entries 84
Mean −205.4
Std Dev 248.1

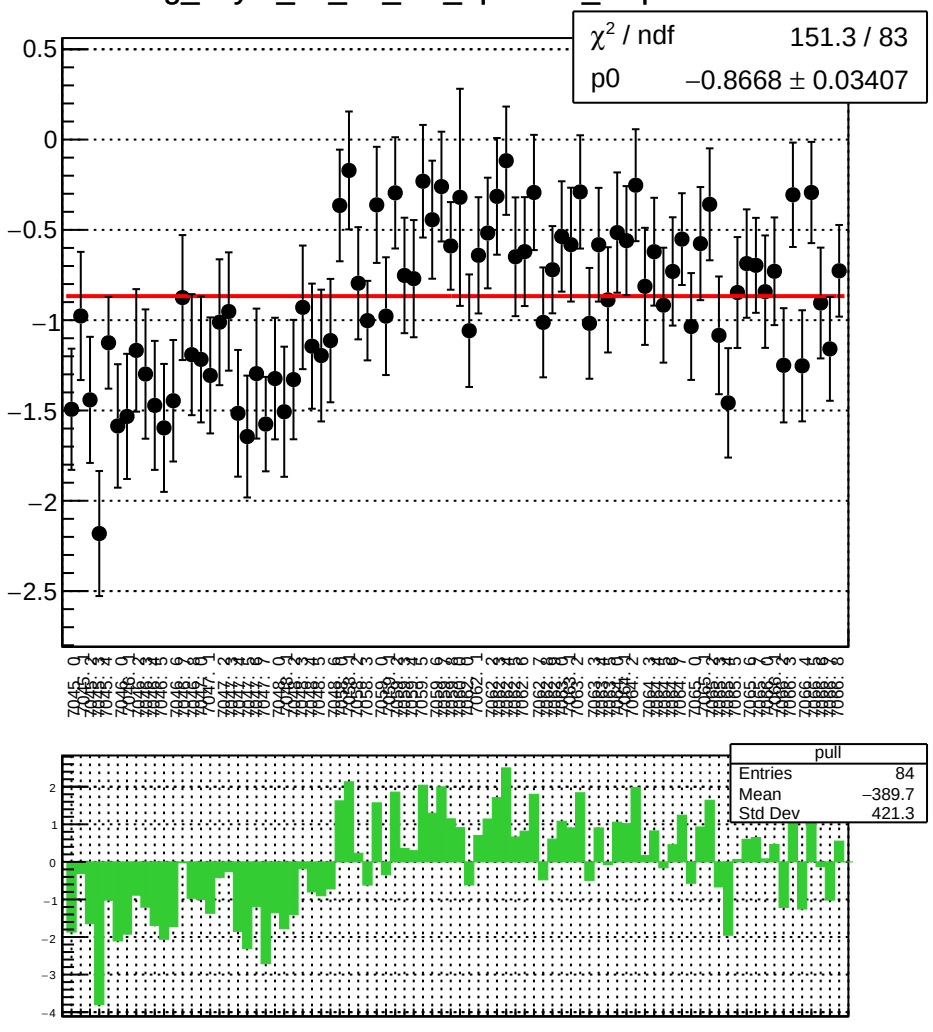

pull1D
Entries 84
Mean −0.0441
Std Dev 1.001

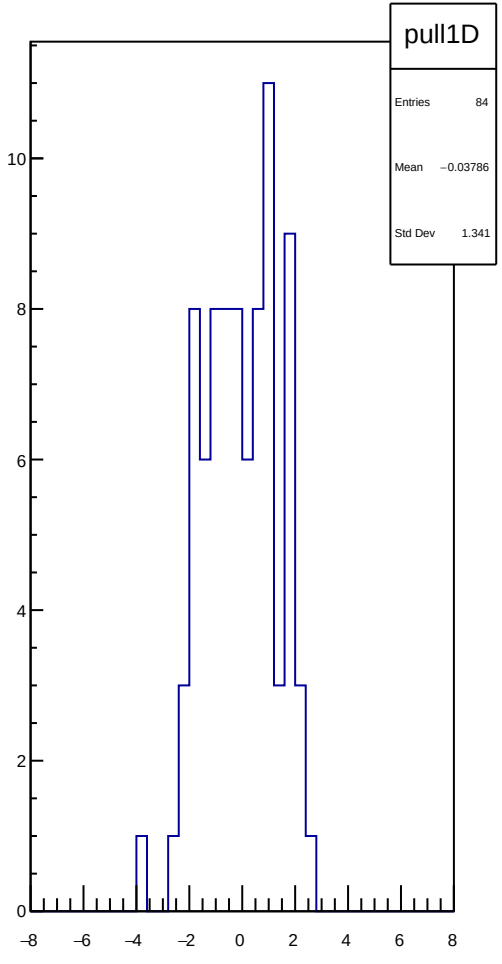

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 181.3 / 83
p0 −51.88 ± 0.91
pull
Entries 84
Mean −81.06
Std Dev 126.5

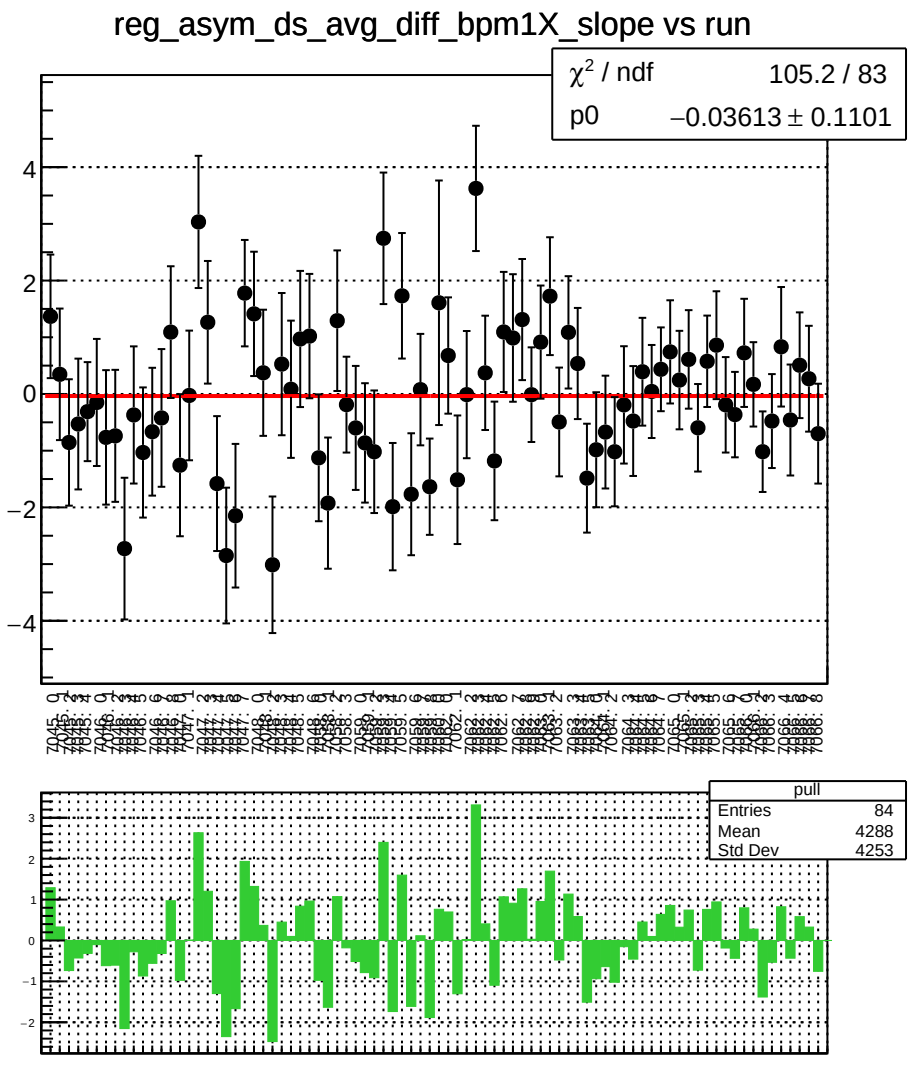

pull1D
Entries 84
Mean −0.1333
Std Dev 1.463

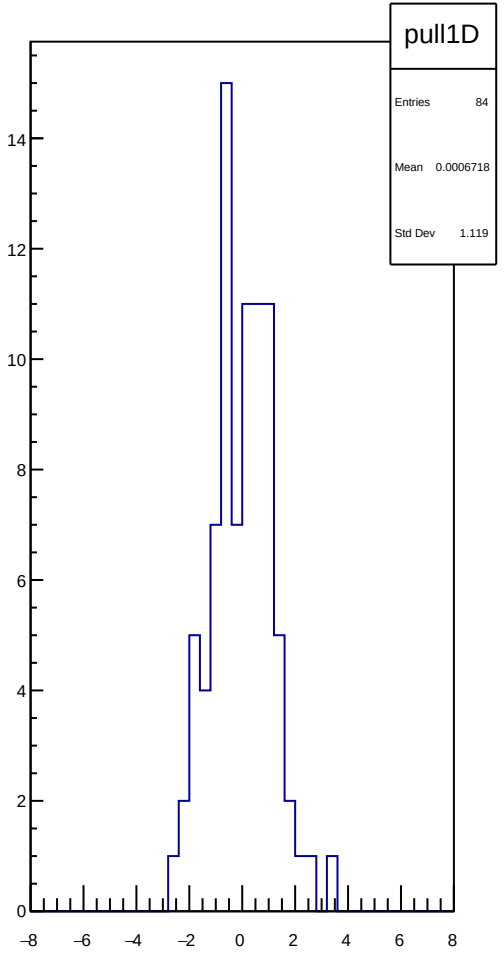

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.18 / 83
p0 −1.152 ± 0.7175
pull
Entries 84
Mean −206.4
Std Dev 249.9

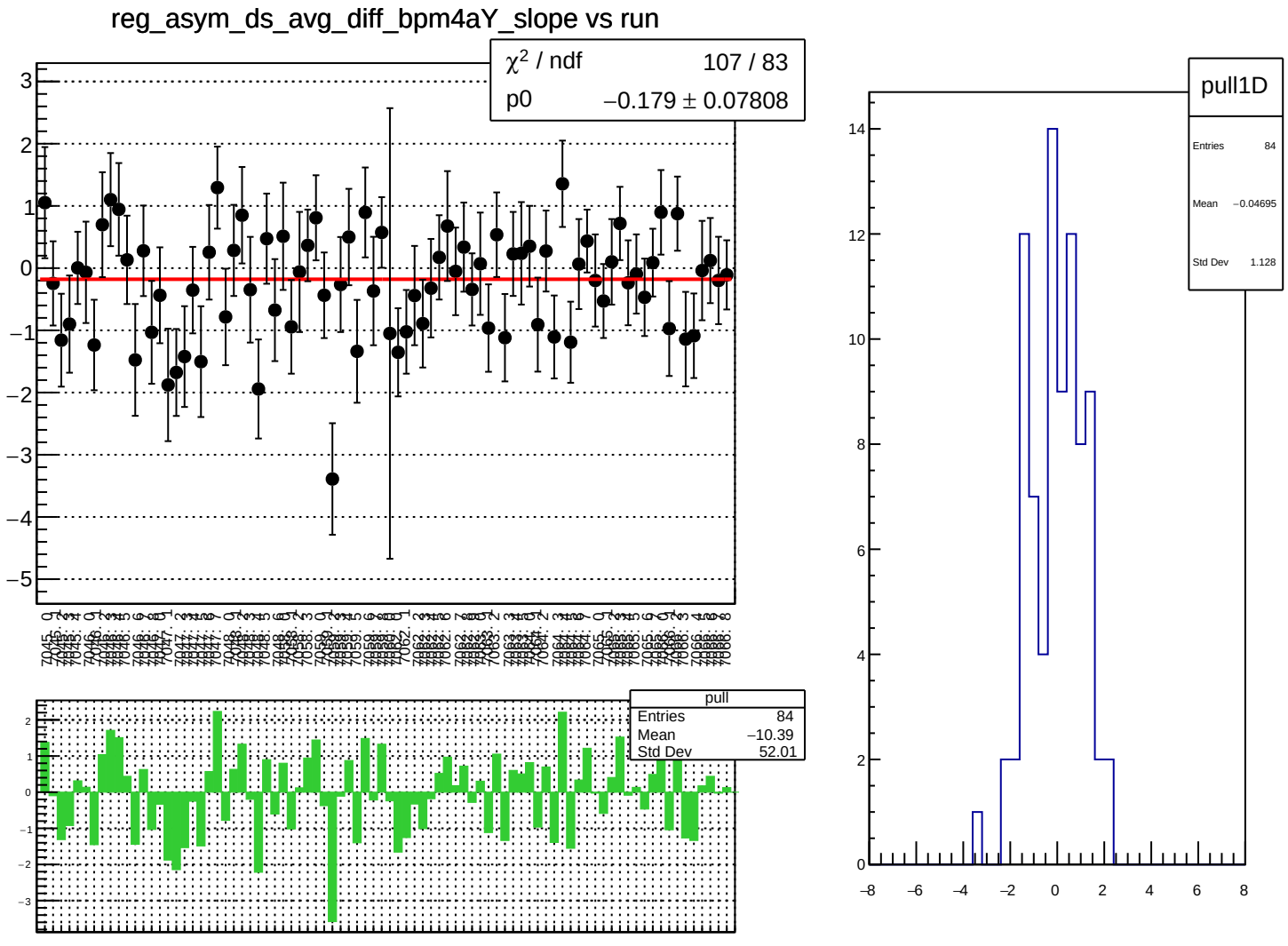

pull1D
Entries 84
Mean 0.04757
Std Dev 1.029

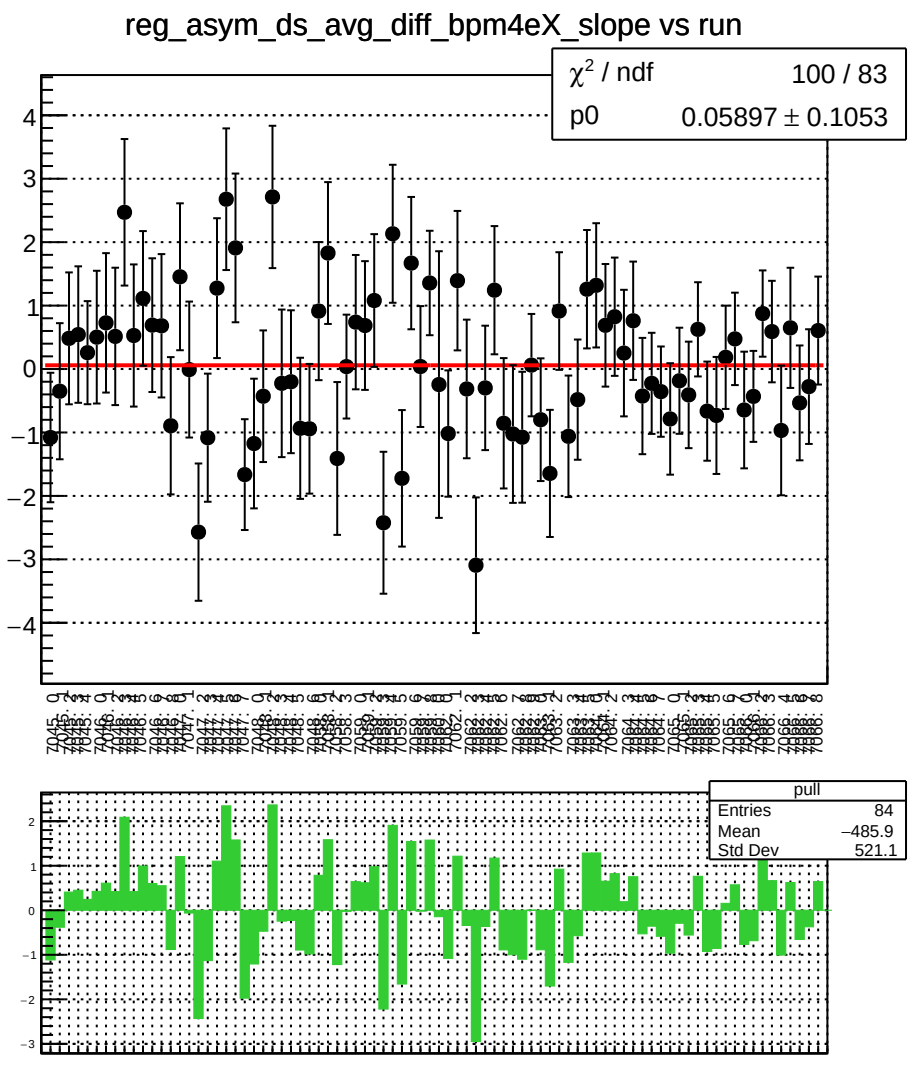

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 151.3 / 83
p0 −0.8668 ± 0.03407
pull
Entries 84
Mean −389.7
Std Dev 421.3

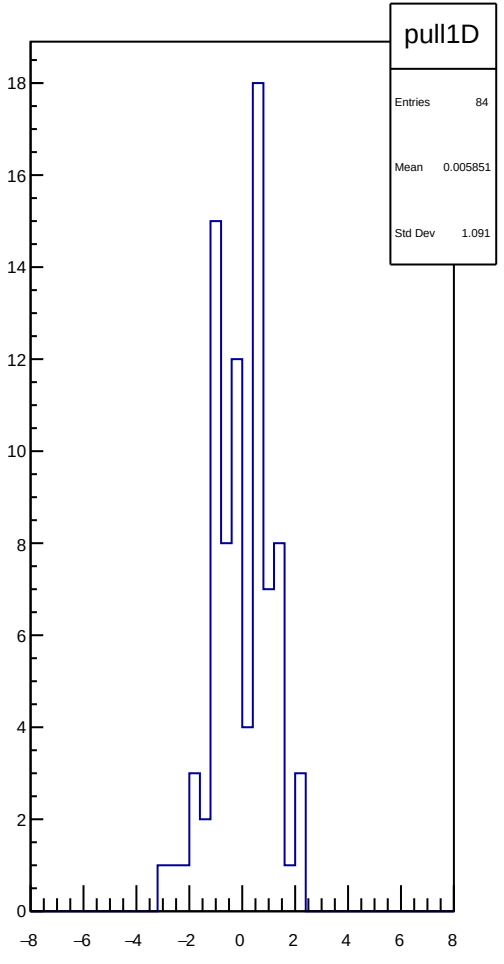

pull1D
Entries 84
Mean −0.03786
Std Dev 1.341

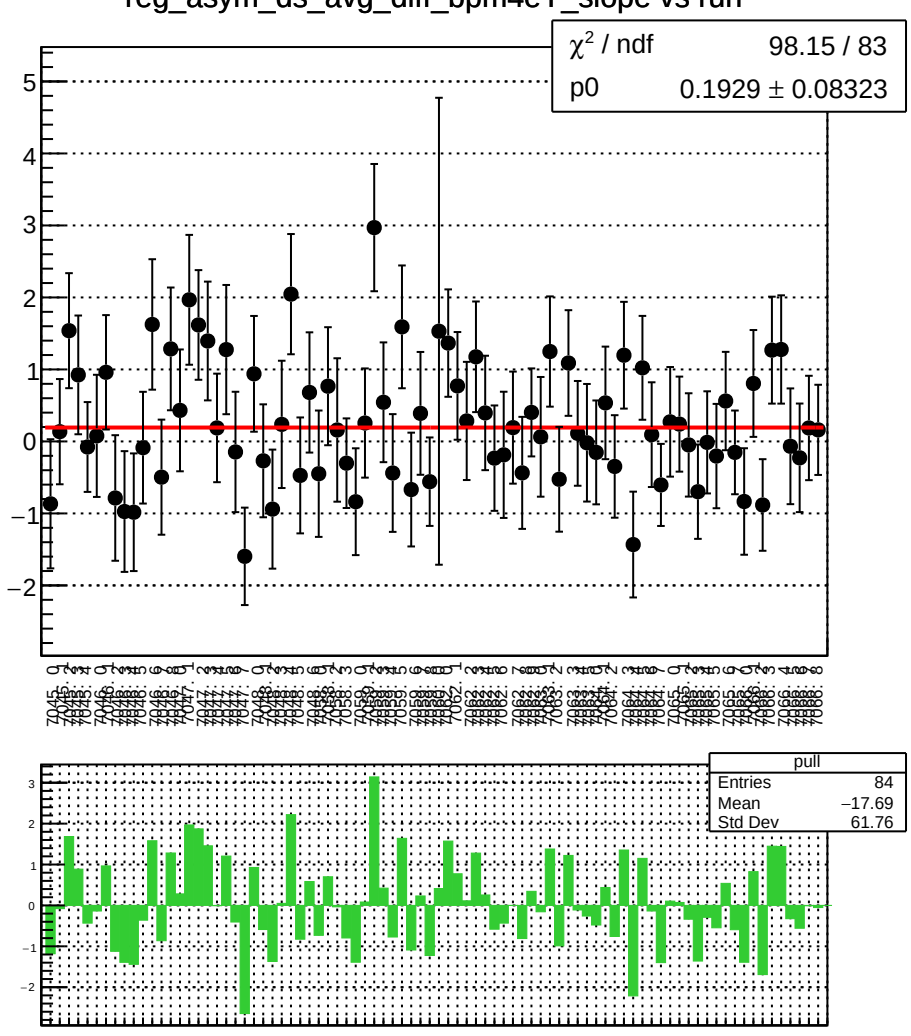

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 105.2 / 83
p0 −0.03613 ± 0.1101
pull
Entries 84
Mean 4288
Std Dev 4253

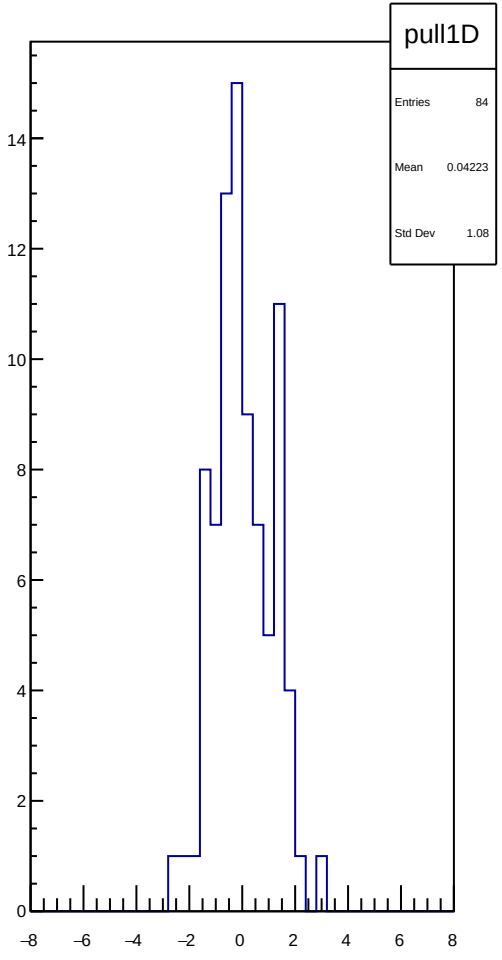

pull1D
Entries 84
Mean 0.0006718
Std Dev 1.119

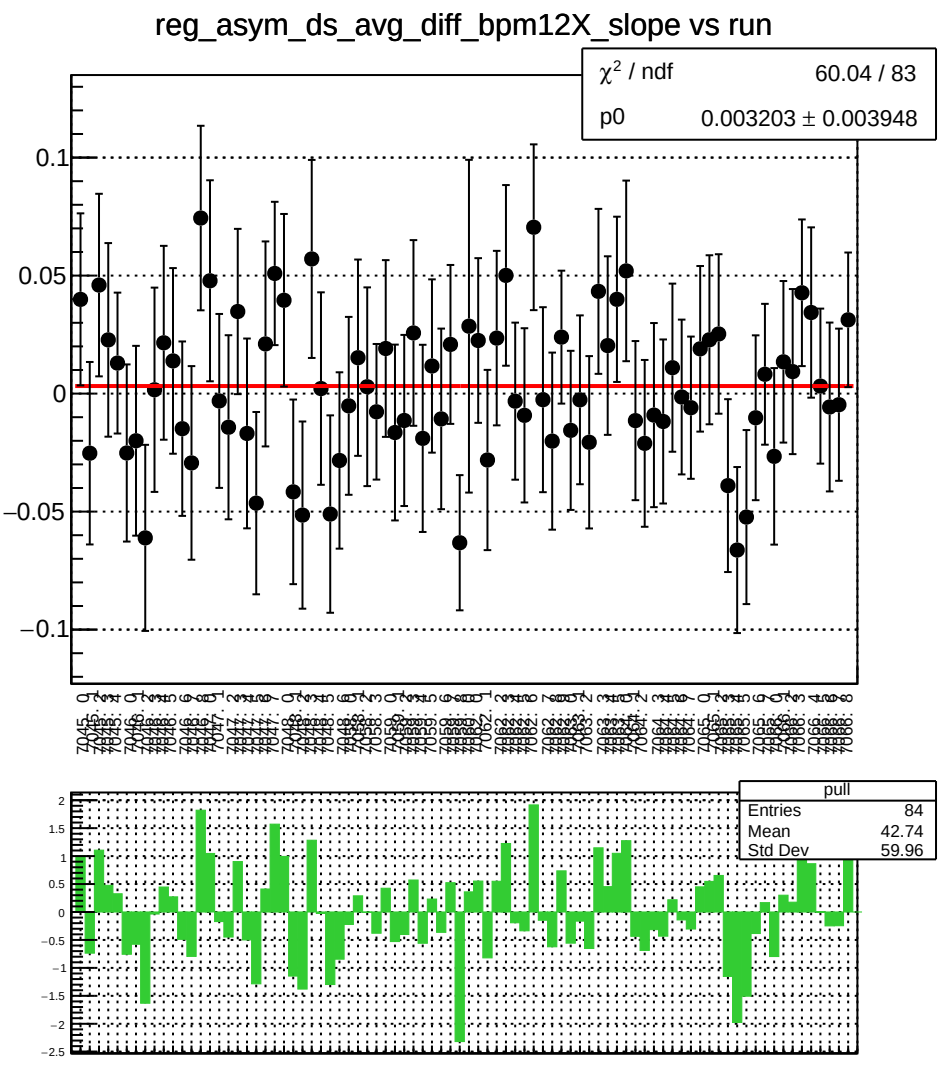

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 107 / 83
p0 −0.179 ± 0.07808
pull
Entries 84
Mean −10.39
Std Dev 52.01
pull1D
Entries 84
Mean −0.04695
Std Dev 1.128

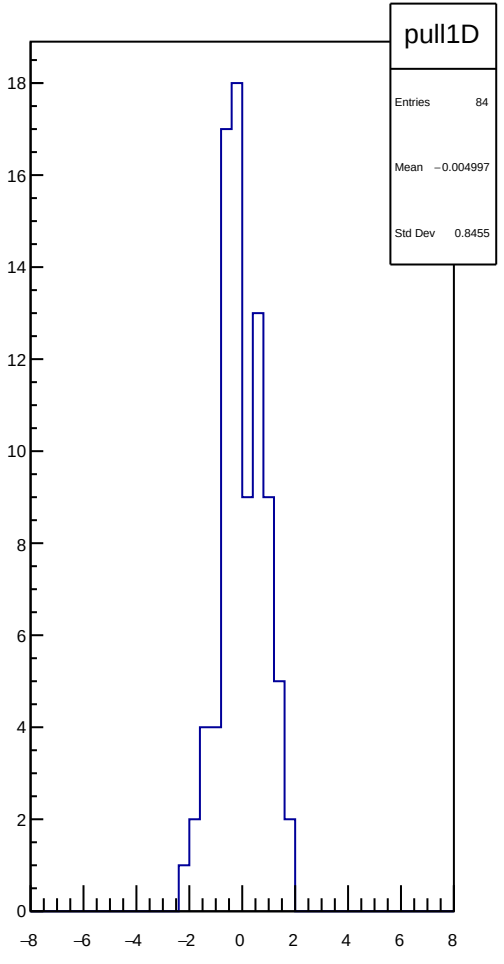

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 100 / 83
p0 0.05897 ± 0.1053
pull
Entries 84
Mean −485.9
Std Dev 521.1

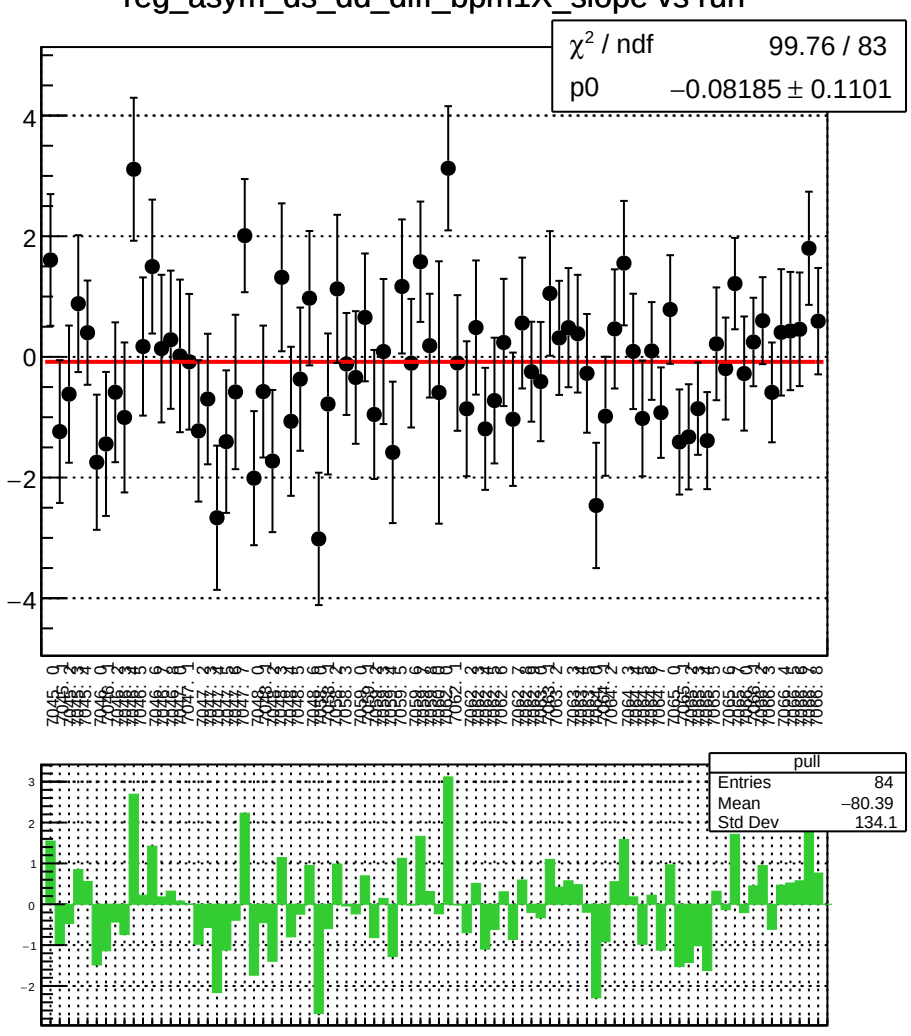

pull1D
Entries 84
Mean 0.005851
Std Dev 1.091

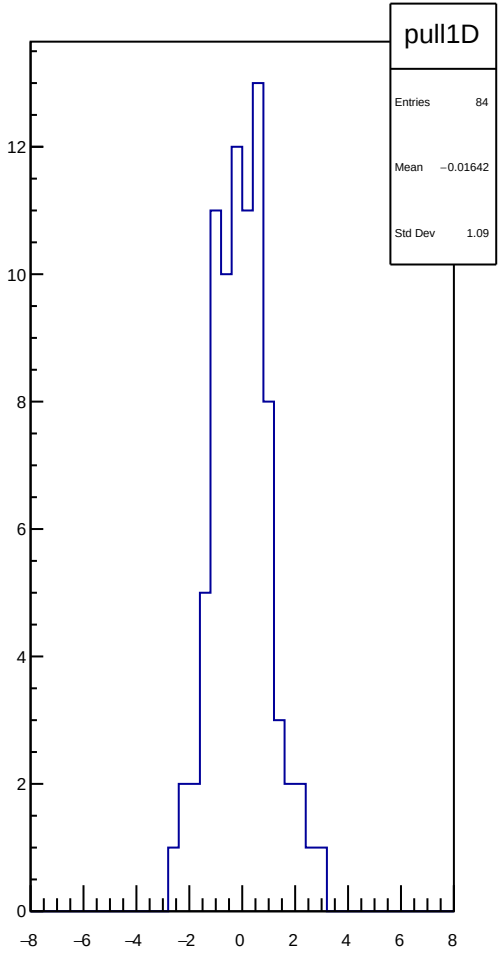

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.15 / 83
p0 0.1929 ± 0.08323
pull
Entries 84
Mean −17.69
Std Dev 61.76

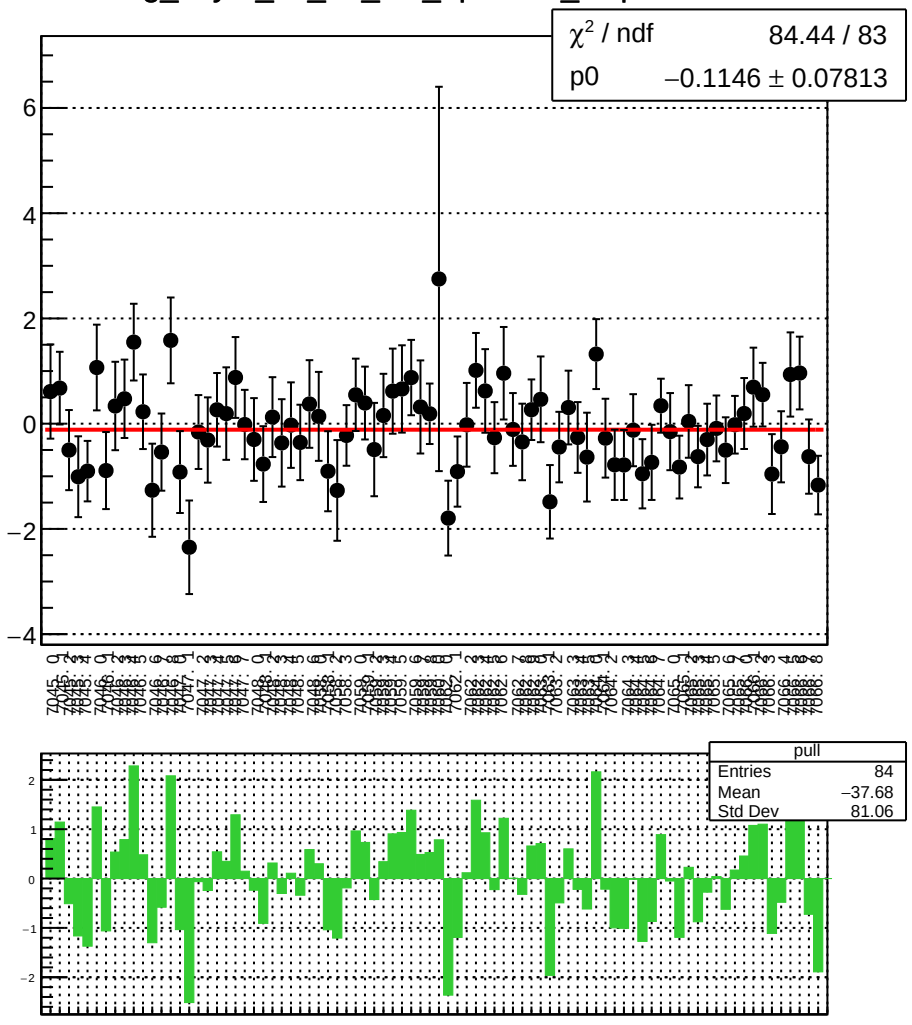

pull1D
Entries 84
Mean 0.04223
Std Dev 1.08

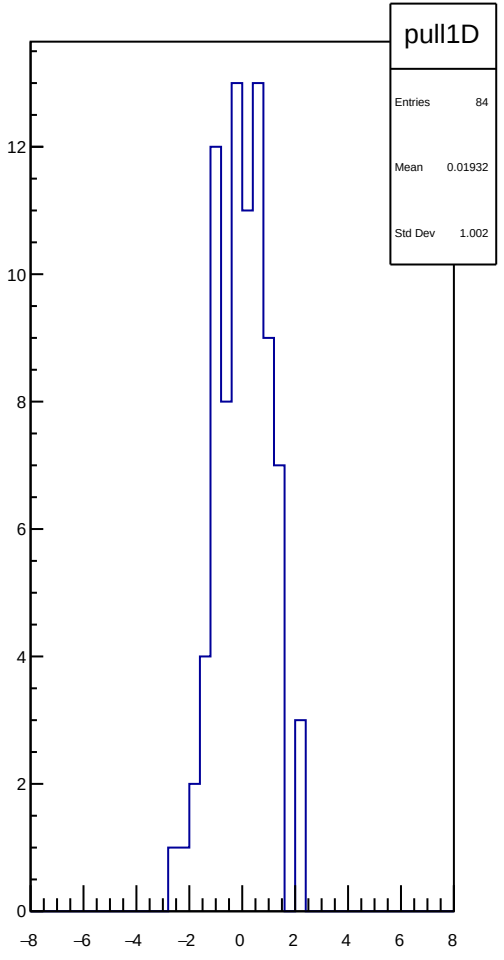

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 60.04 / 83
p0 0.003203 ± 0.003948
pull
Entries 84
Mean 42.74
Std Dev 59.96

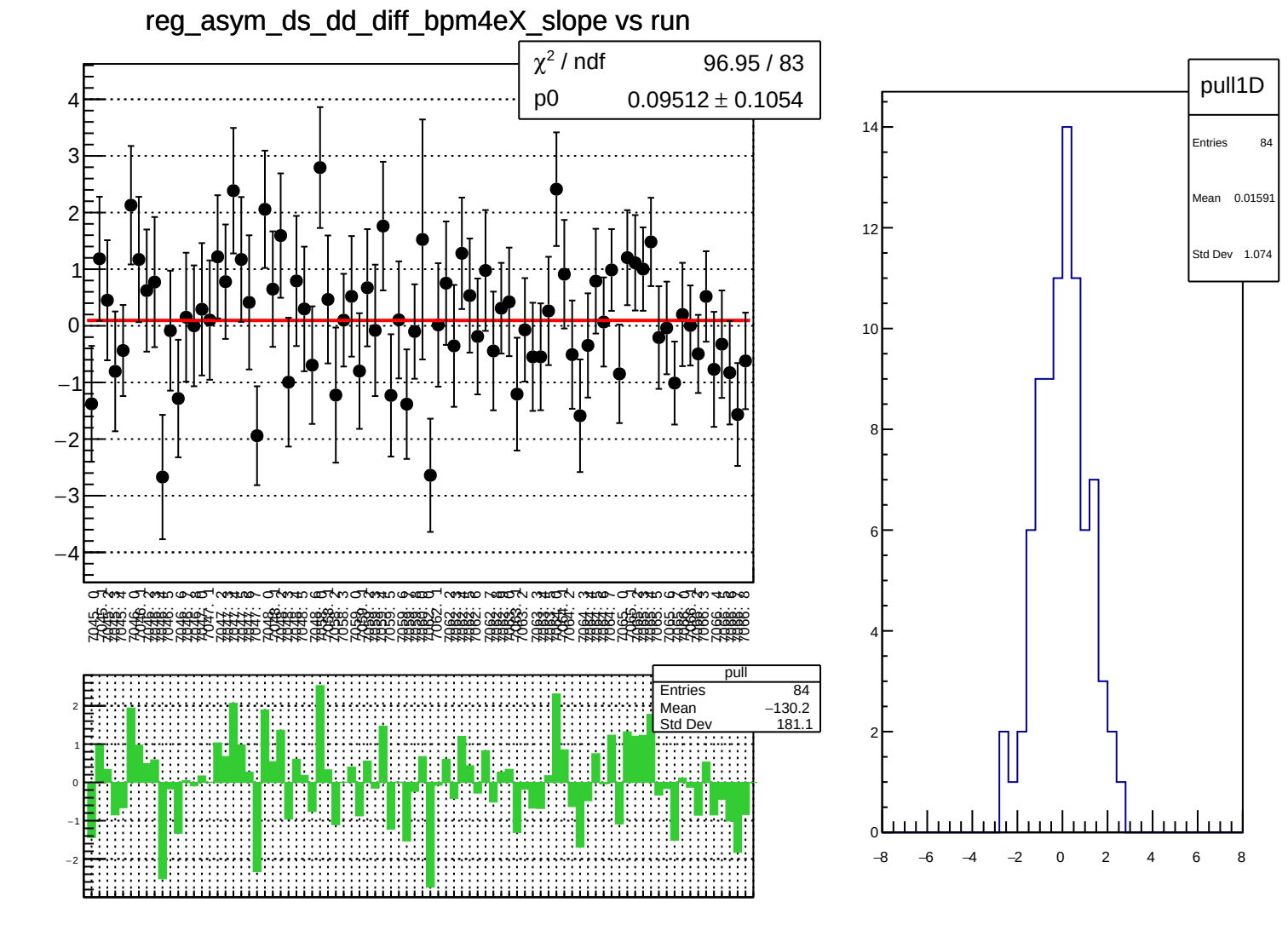

pull1D
Entries 84
Mean −0.004997
Std Dev 0.8455

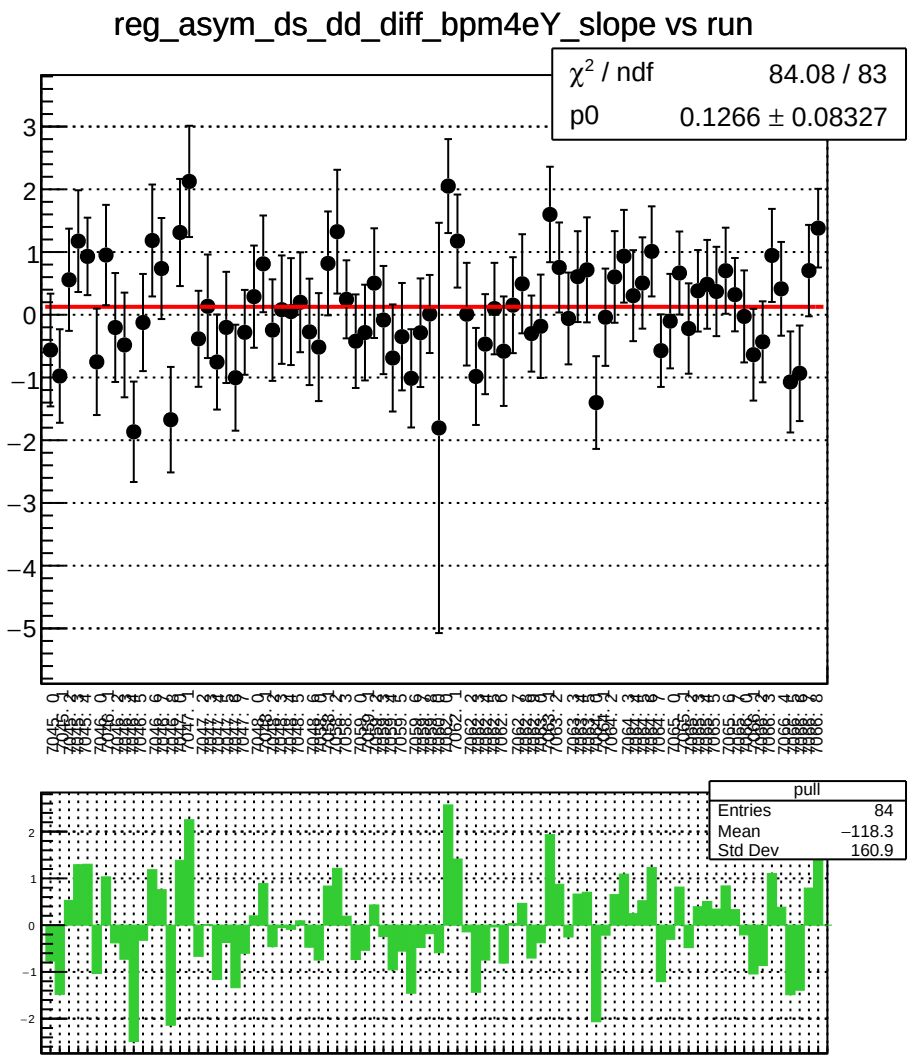

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 99.76 / 83
p0 −0.08185 ± 0.1101
pull
Entries 84
Mean −80.39
Std Dev 134.1

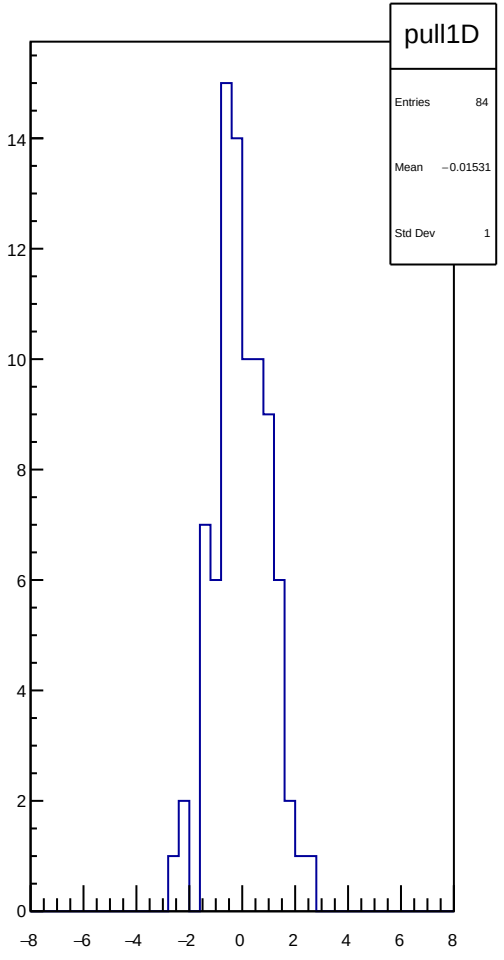

pull1D
Entries 84
Mean −0.01642
Std Dev 1.09

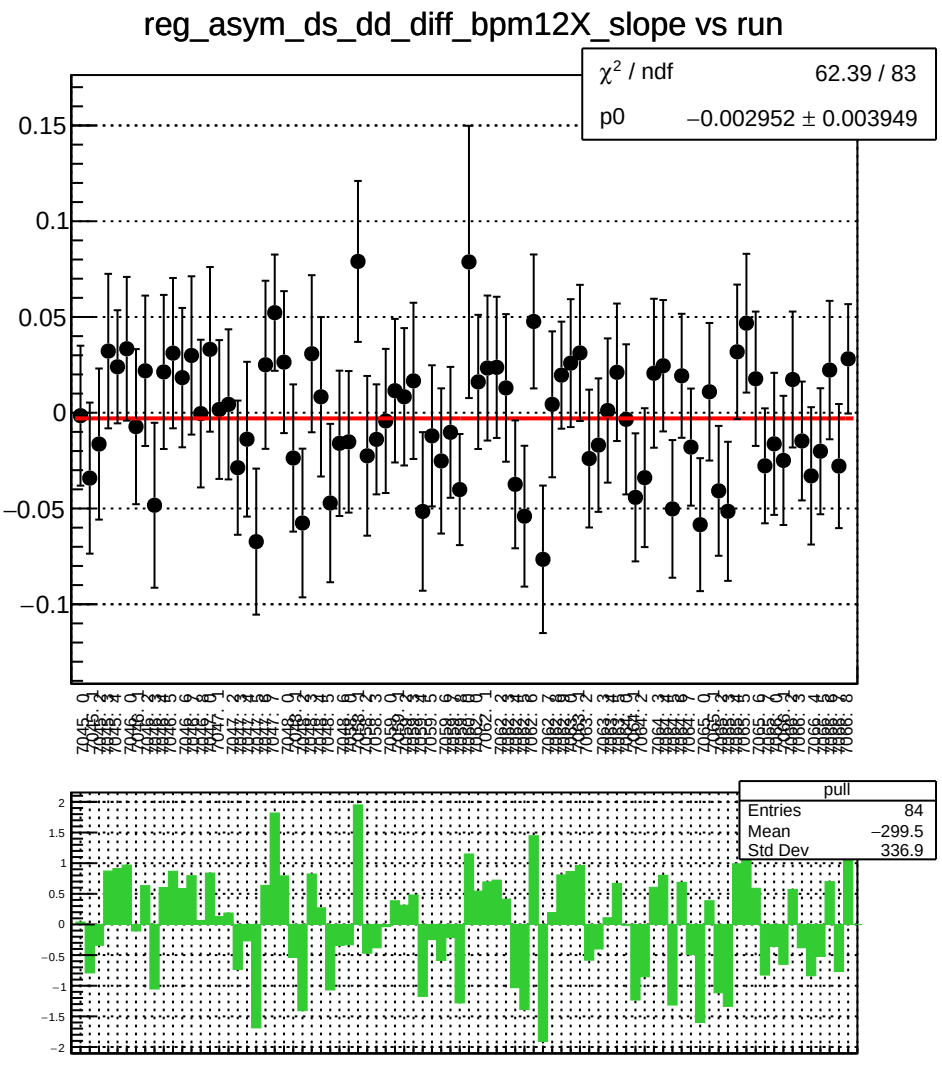

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.44 / 83
p0 −0.1146 ± 0.07813
pull
Entries 84
Mean −37.68
Std Dev 81.06

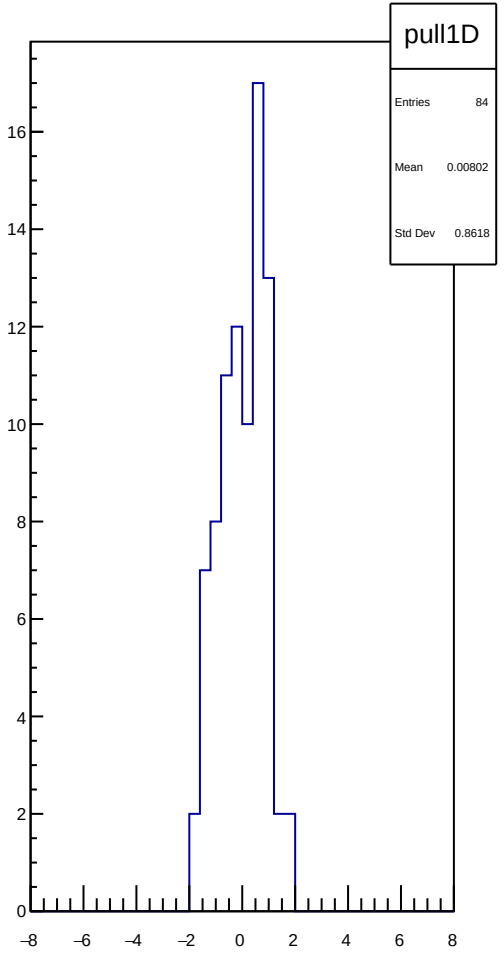

pull1D
Entries 84
Mean 0.01932
Std Dev 1.002

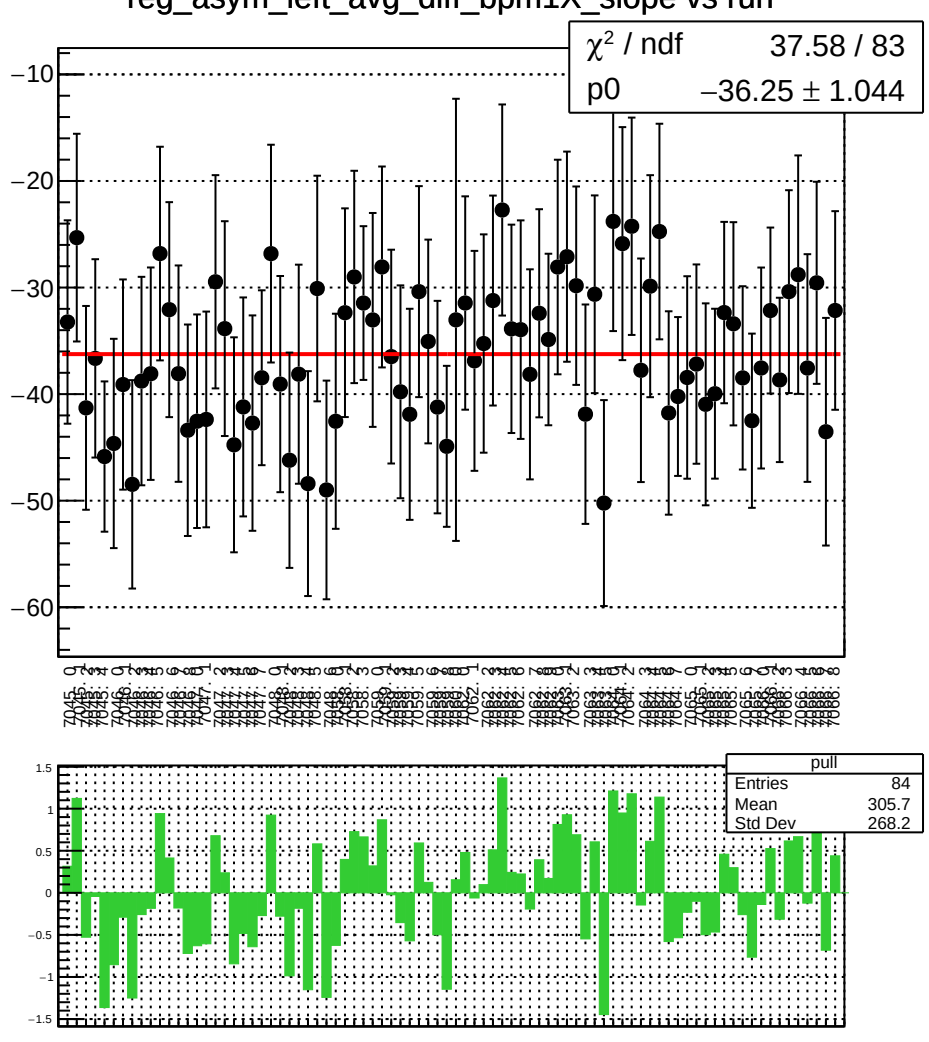

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 96.95 / 83
p0 0.09512 ± 0.1054
pull
Entries 84
Mean −130.2
Std Dev 181.1
pull1D
Entries 84
Mean 0.01591
Std Dev 1.074

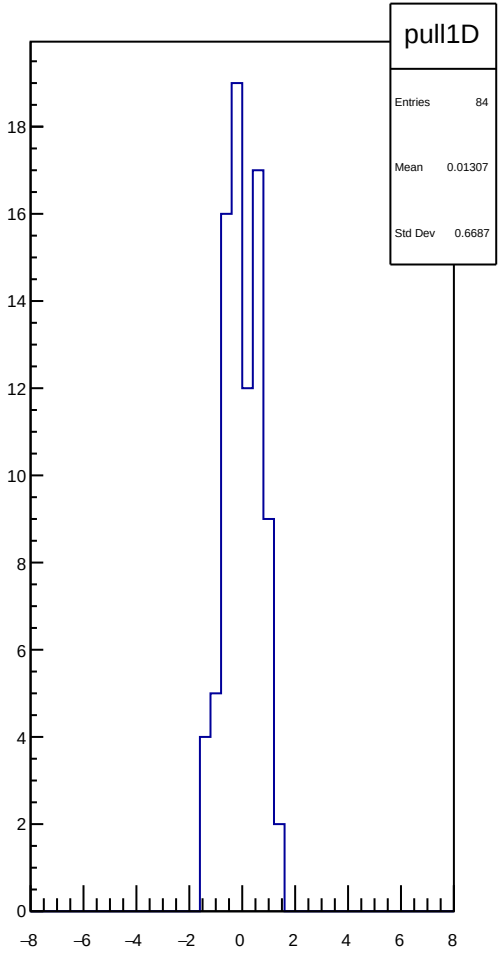

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.08 / 83
p0 0.1266 ± 0.08327
pull
Entries 84
Mean −118.3
Std Dev 160.9

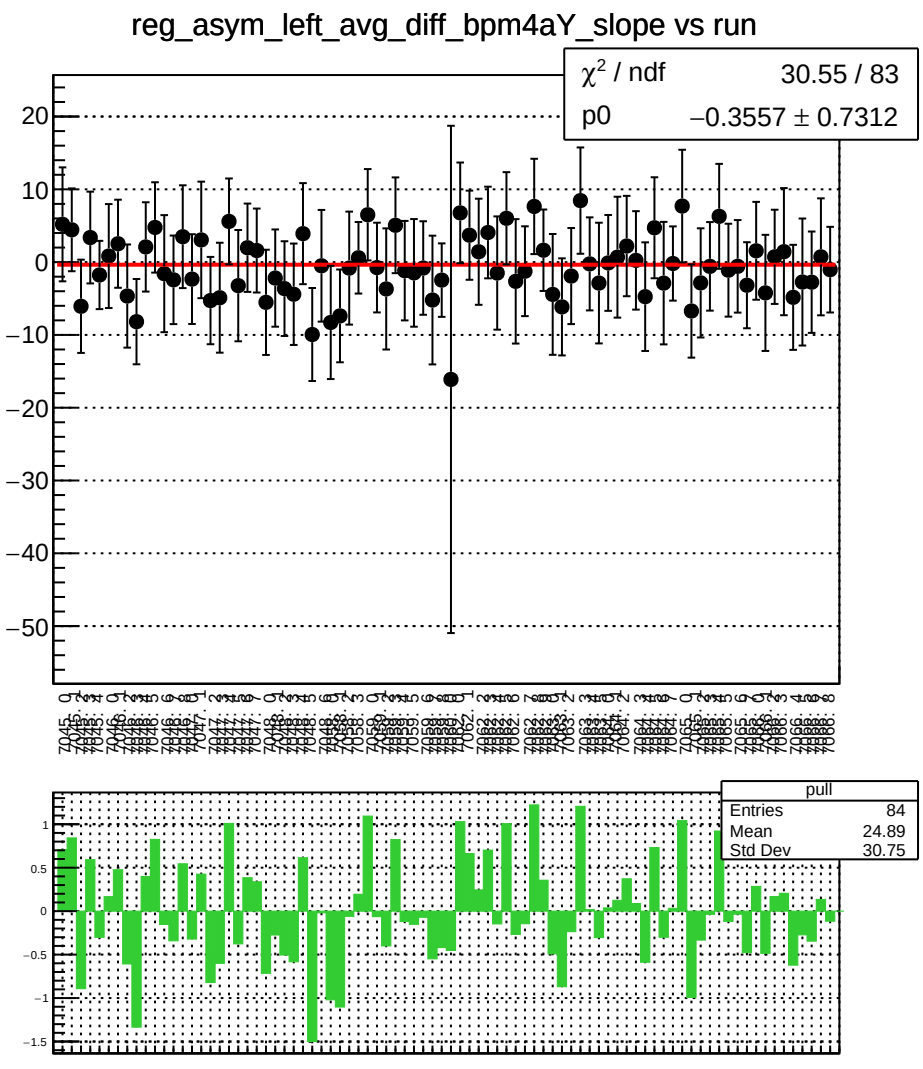

pull1D
Entries 84
Mean −0.01531
Std Dev 1

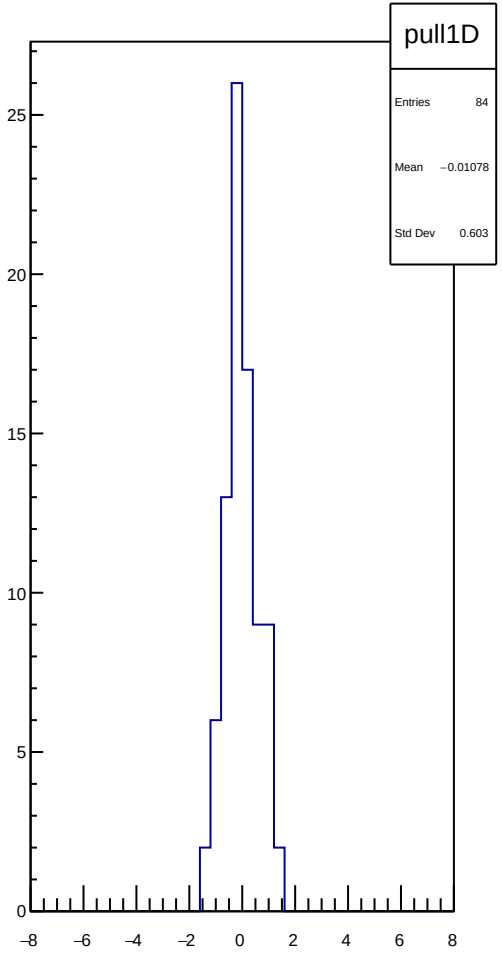

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 62.39 / 83
p0 −0.002952 ± 0.003949
pull
Entries 84
Mean −299.5
Std Dev 336.9

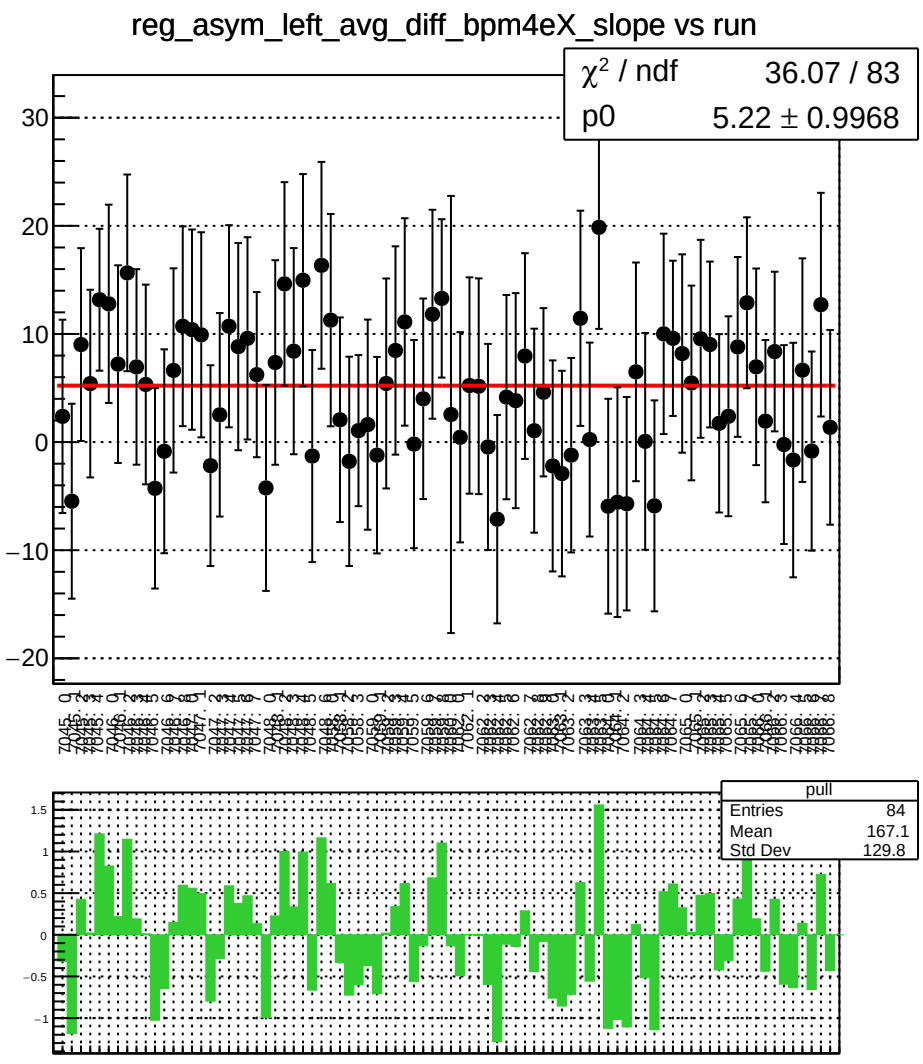

pull1D
Entries 84
Mean 0.00802
Std Dev 0.8618

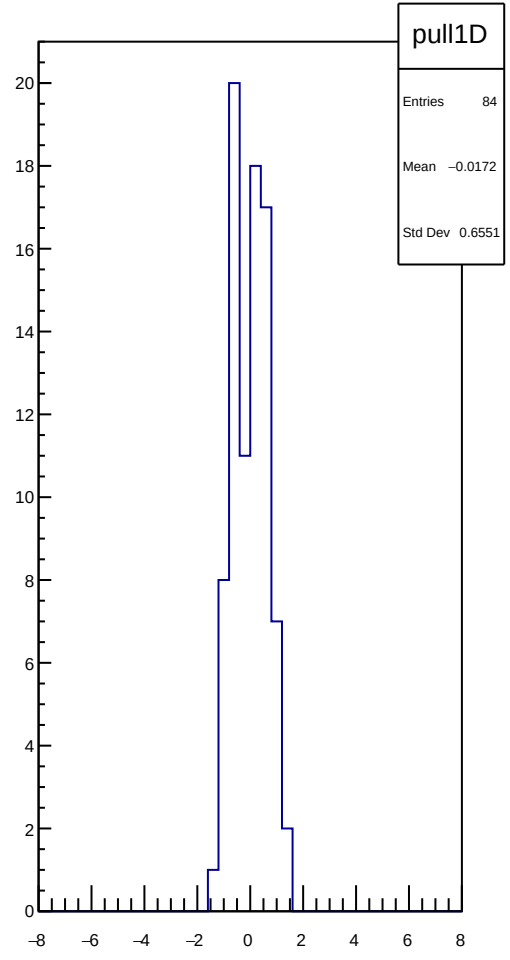

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 37.58 / 83
p0 −36.25 ± 1.044
pull
Entries 84
Mean 305.7
Std Dev 268.2

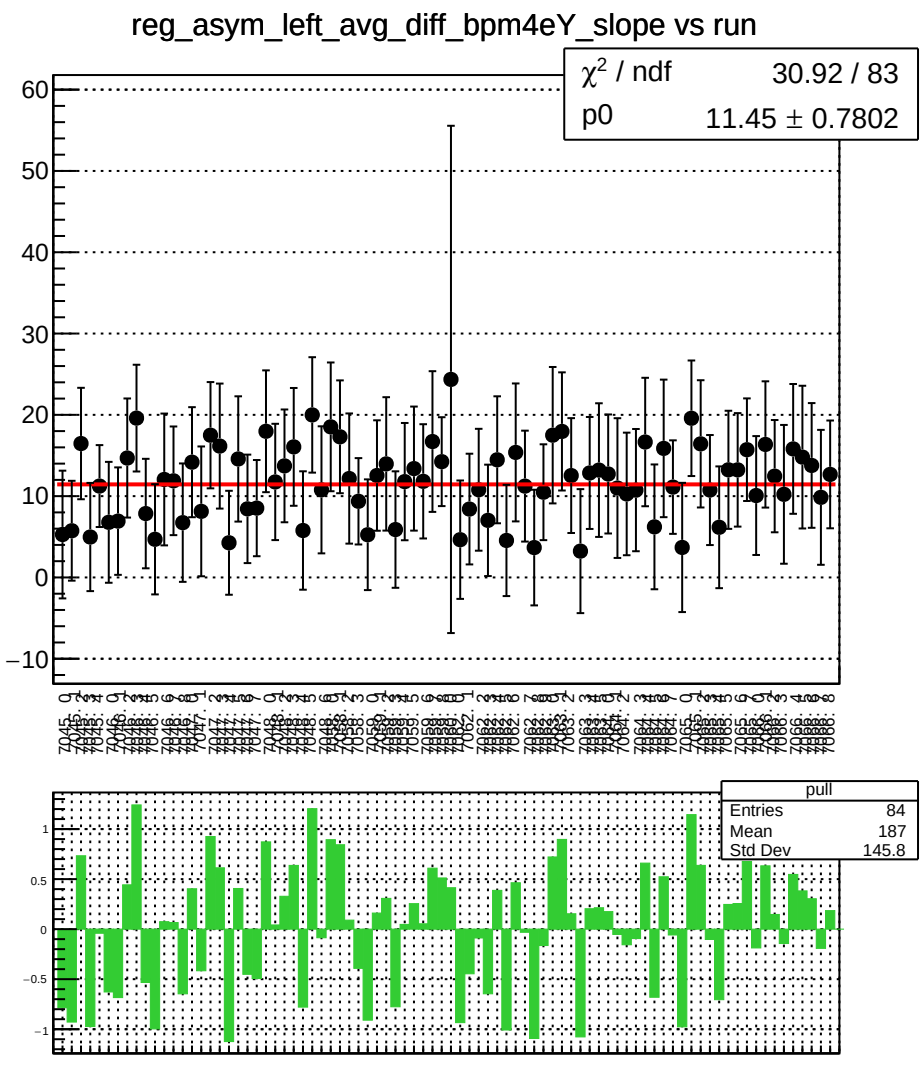

pull1D
Entries 84
Mean 0.01307
Std Dev 0.6687

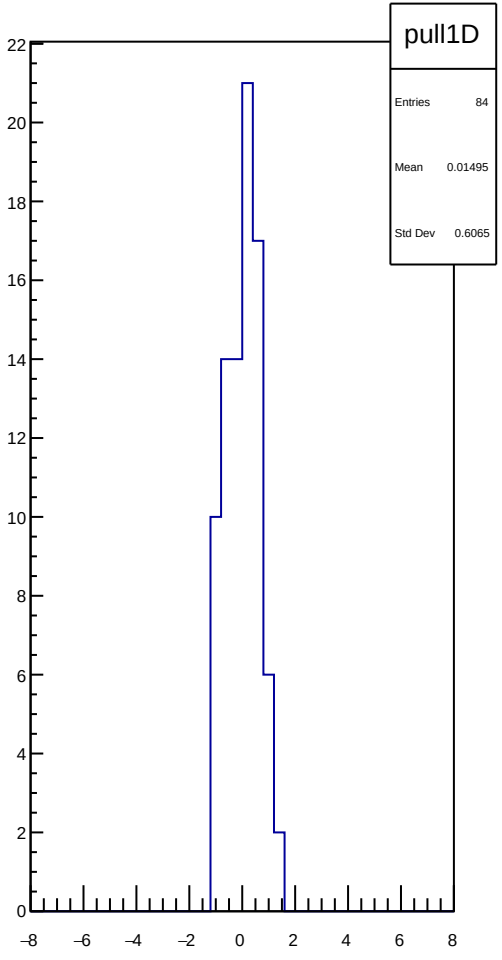

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.55 / 83
p0 −0.3557 ± 0.7312
pull
Entries 84
Mean 24.89
Std Dev 30.75

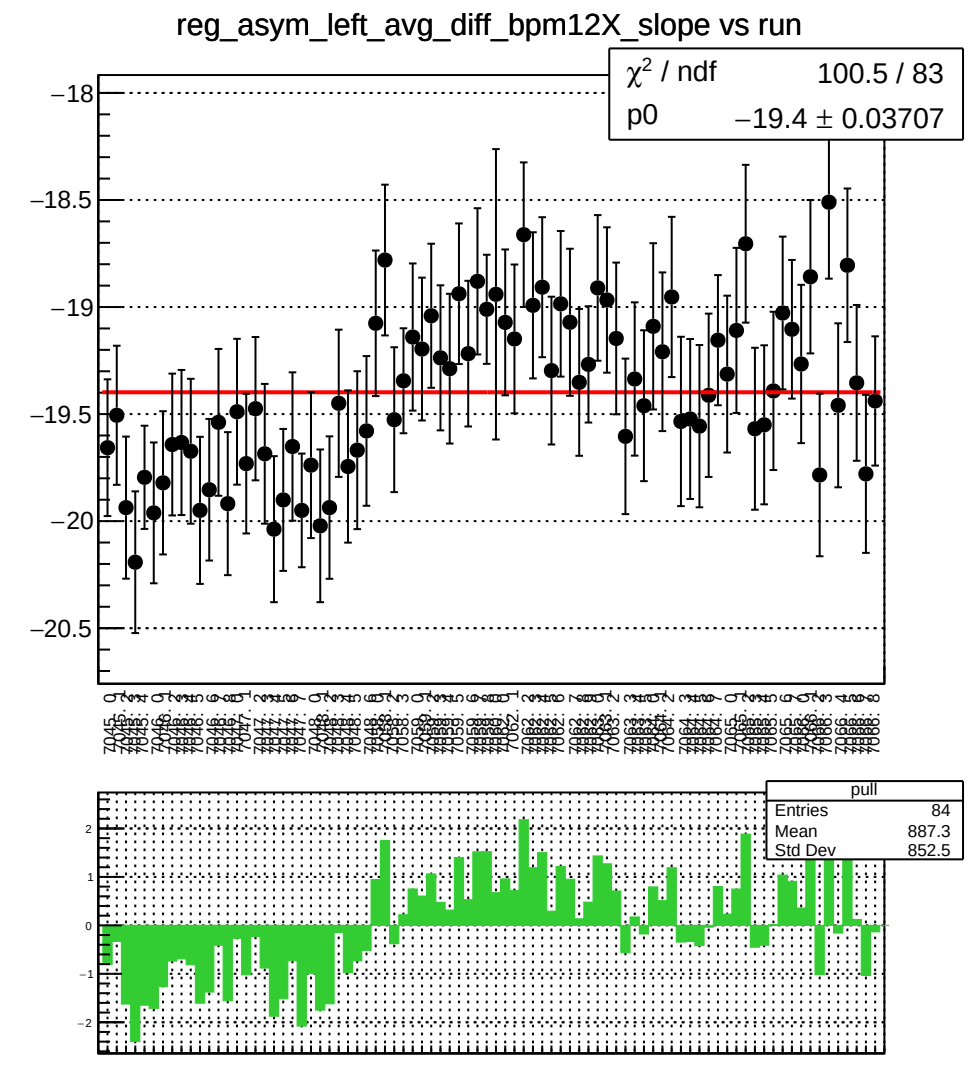

pull1D
Entries 84
Mean −0.01078
Std Dev 0.603

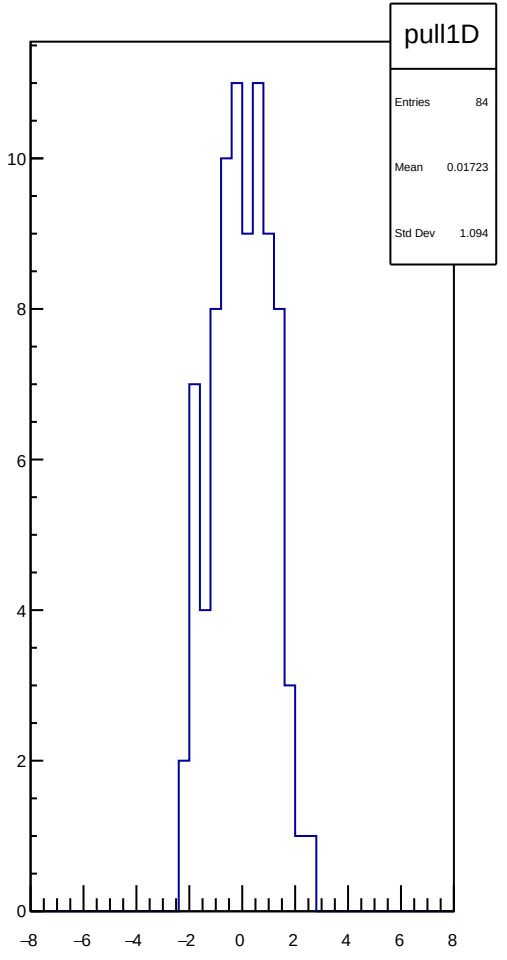

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.07 / 83
p0 5.22 ± 0.9968
pull
Entries 84
Mean 167.1
Std Dev 129.8

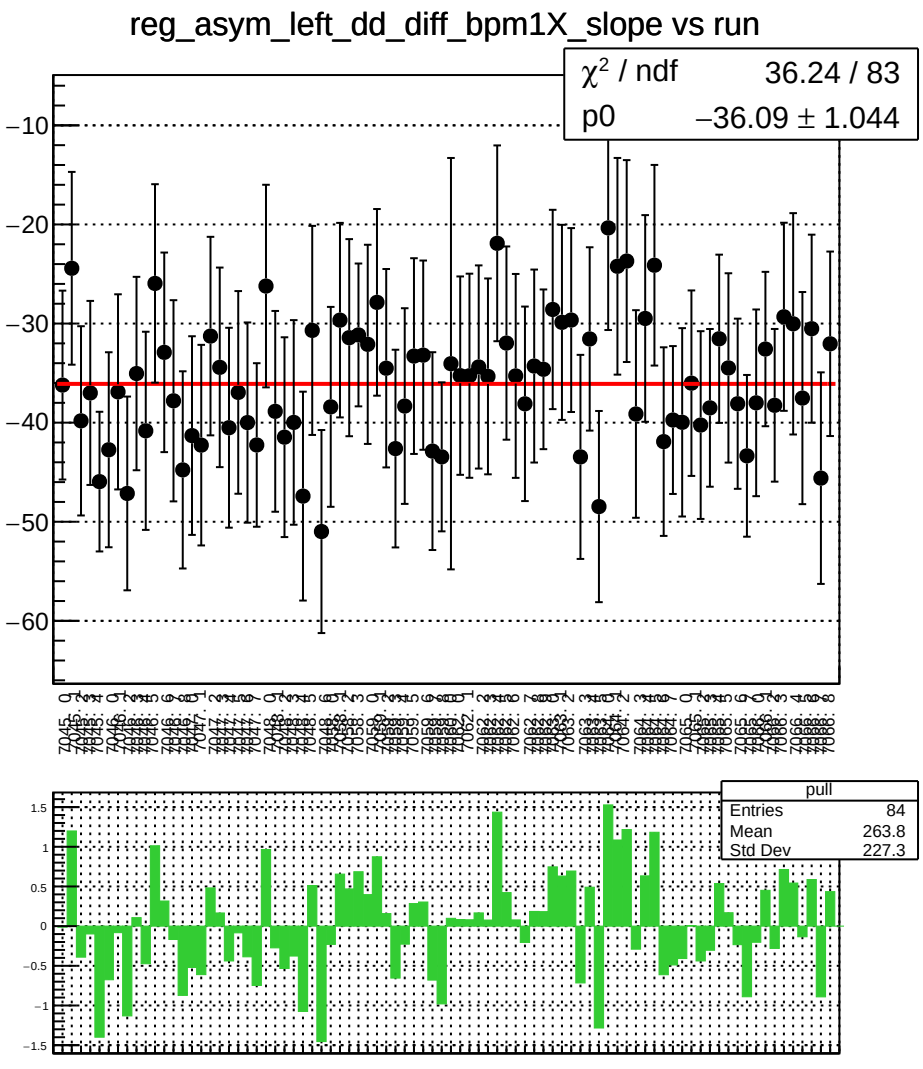

pull1D
Entries 84
Mean −0.0172
Std Dev 0.6551

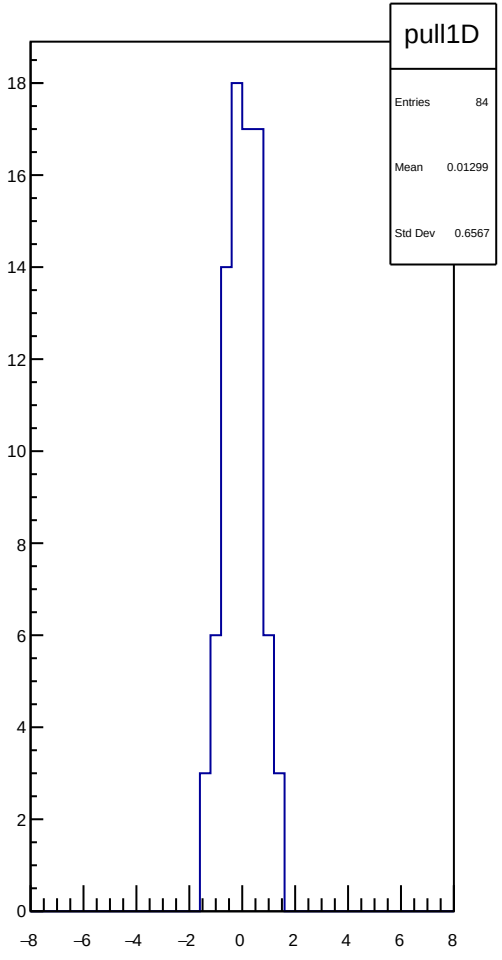

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.92 / 83
p0 11.45 ± 0.7802
pull
Entries 84
Mean 187
Std Dev 145.8

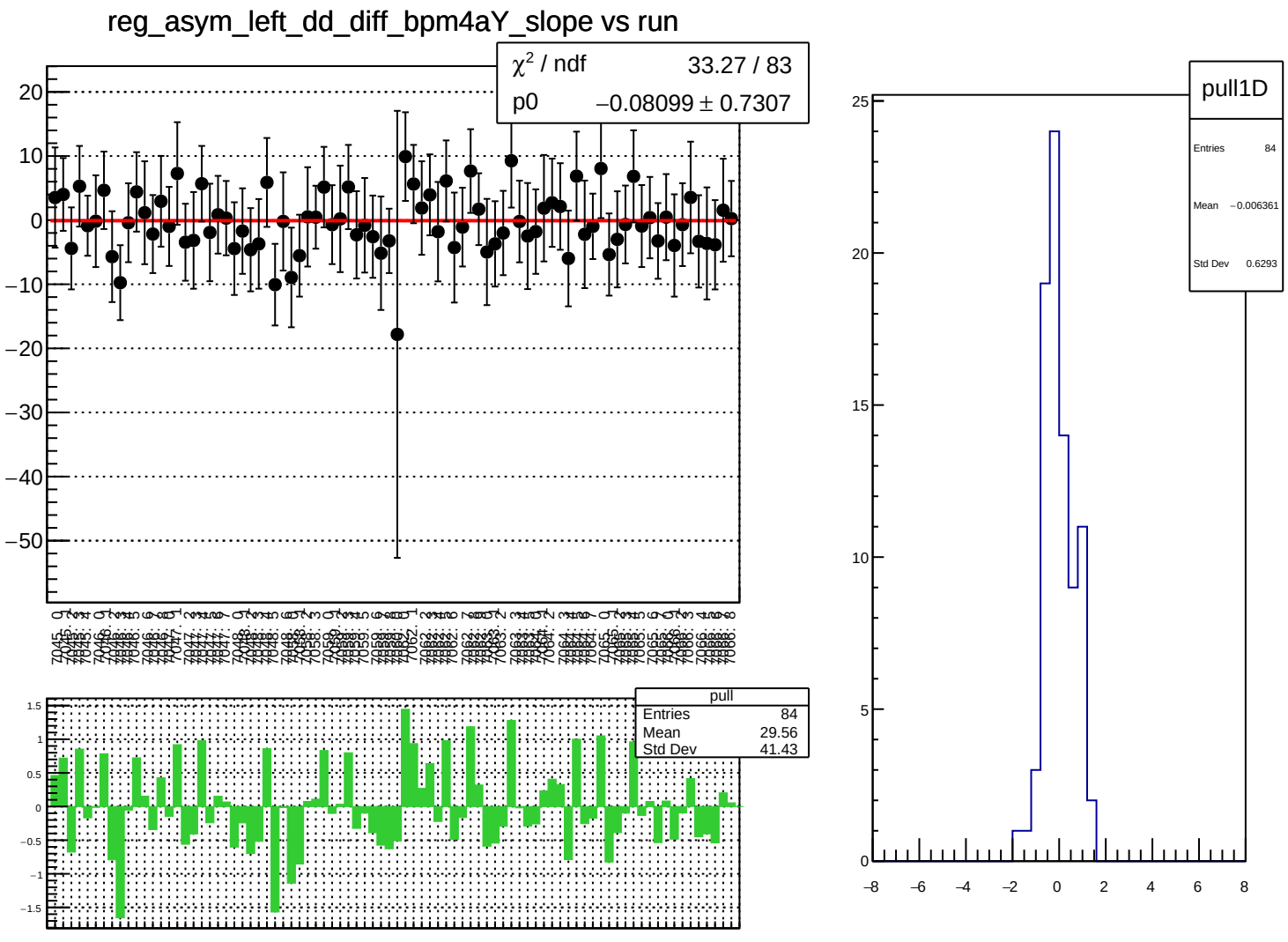

pull1D
Entries 84
Mean 0.01495
Std Dev 0.6065

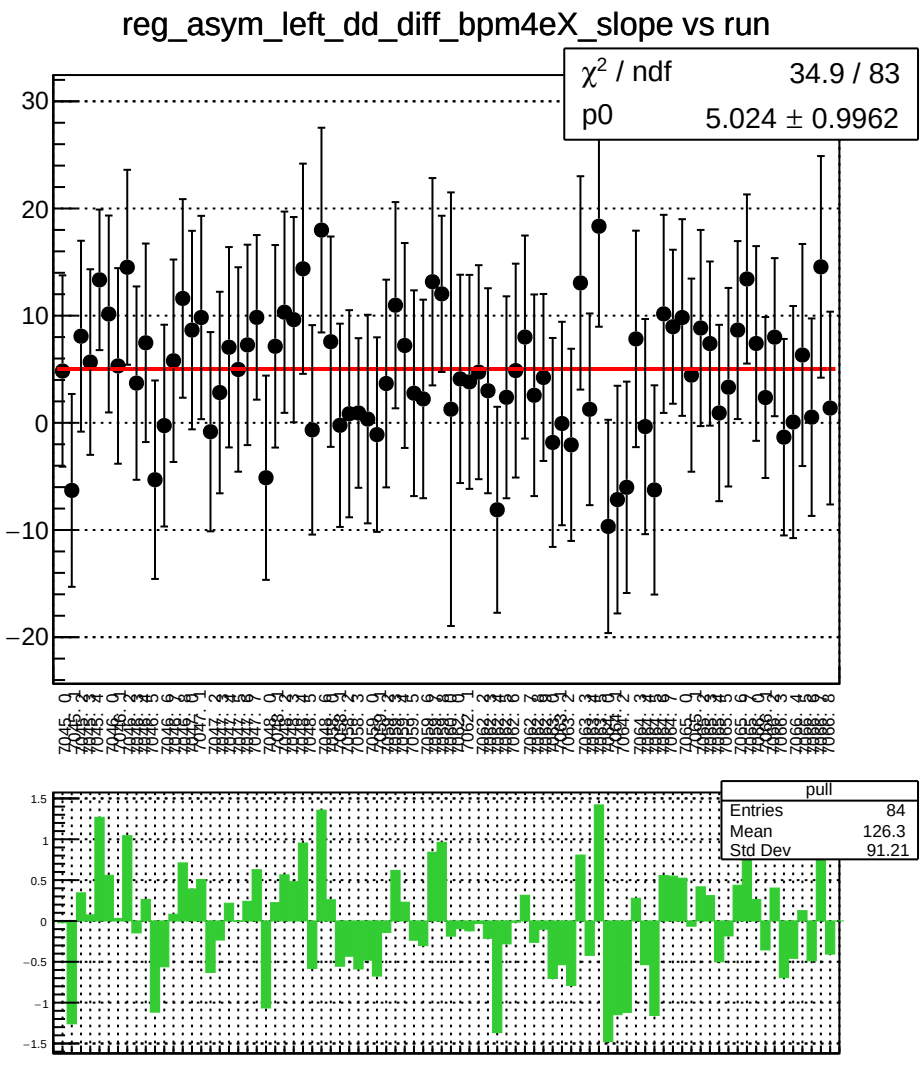

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 100.5 / 83
p0 −19.4 ± 0.03707
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 84
Mean 887.3
Std Dev 852.5
2
1
0
−1
−2

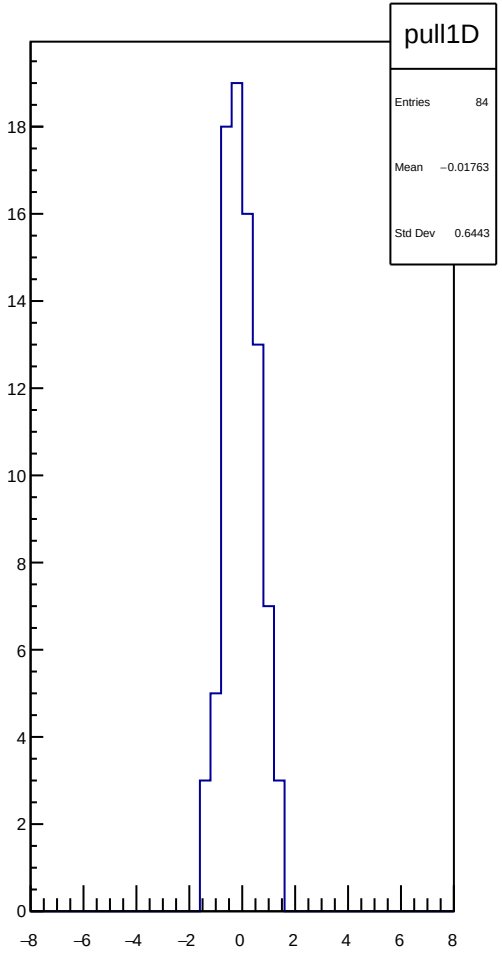

pull1D
Entries 84
Mean 0.01723
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

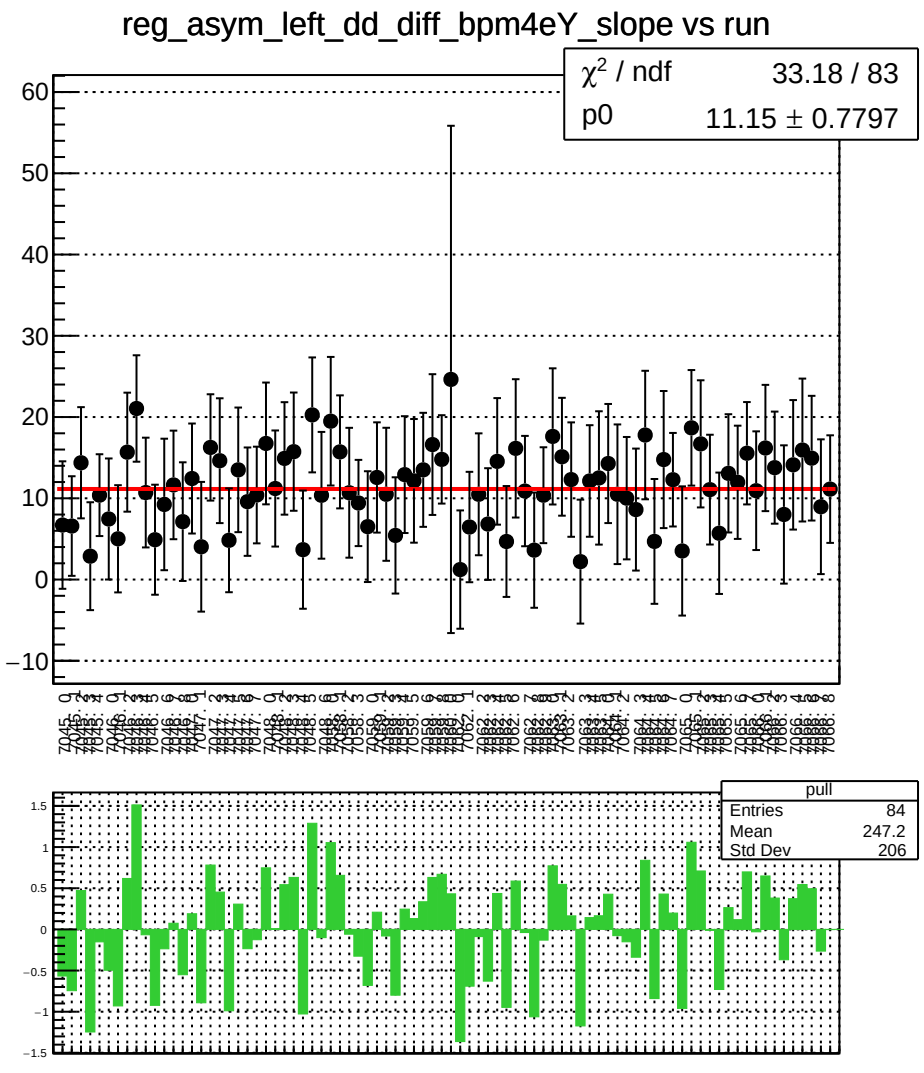

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 36.24 / 83
p0 −36.09 ± 1.044
pull
Entries 84
Mean 263.8
Std Dev 227.3

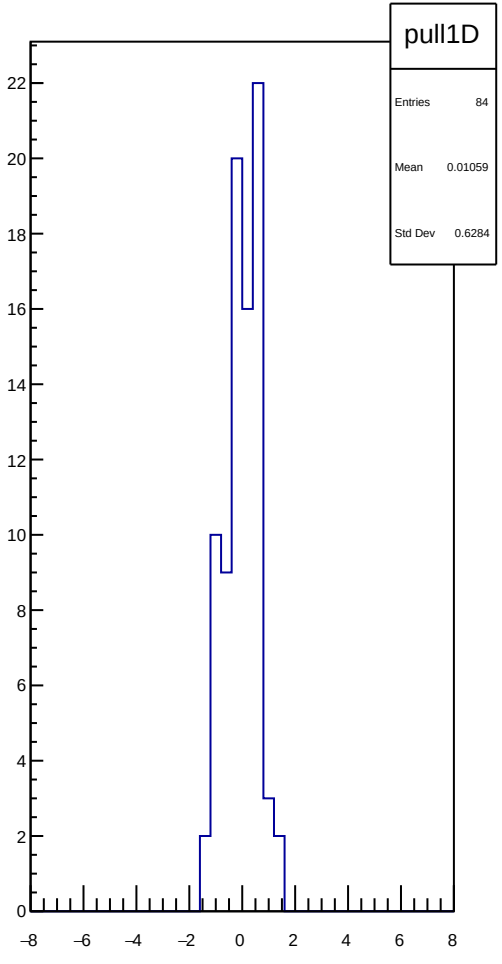

pull1D
Entries 84
Mean 0.01299
Std Dev 0.6567

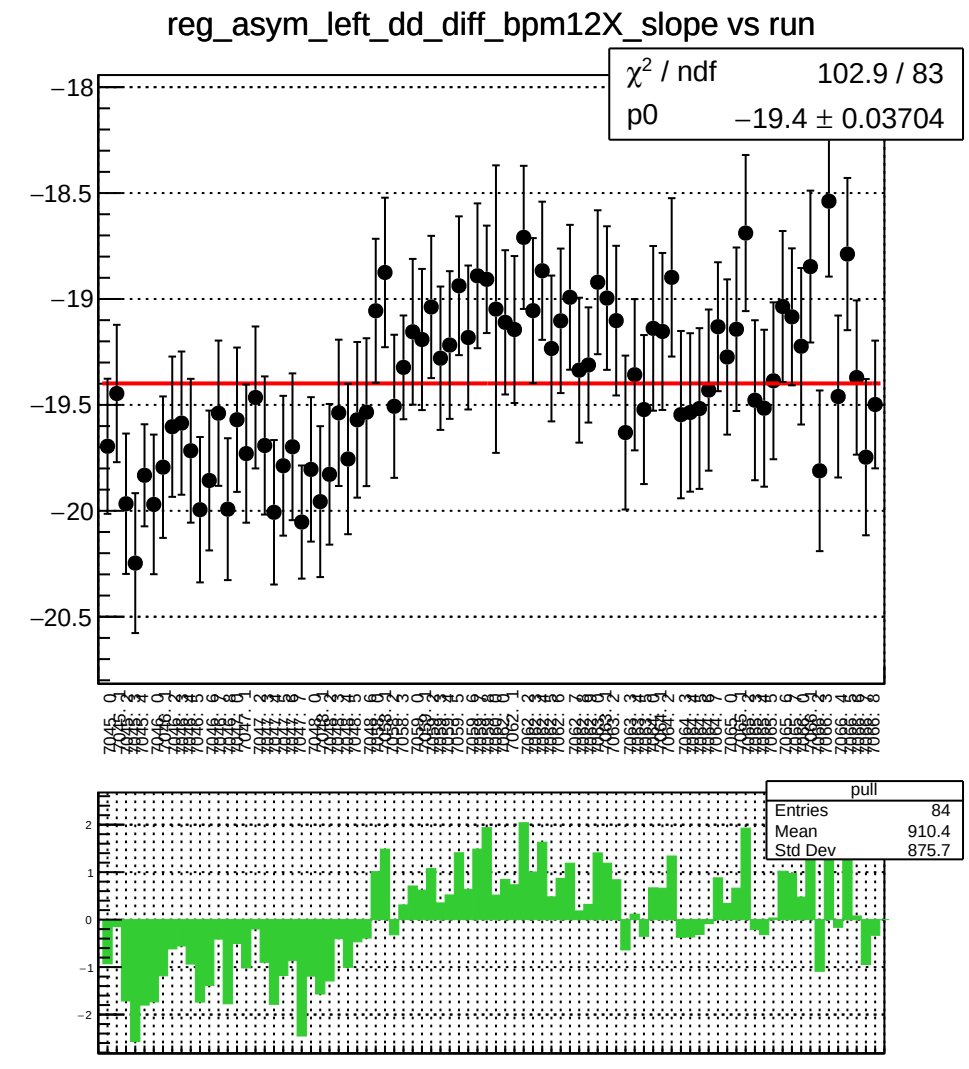

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.27 / 83
p0 −0.08099 ± 0.7307
pull
Entries 84
Mean 29.56
Std Dev 41.43
pull1D
Entries 84
Mean −0.006361
Std Dev 0.6293

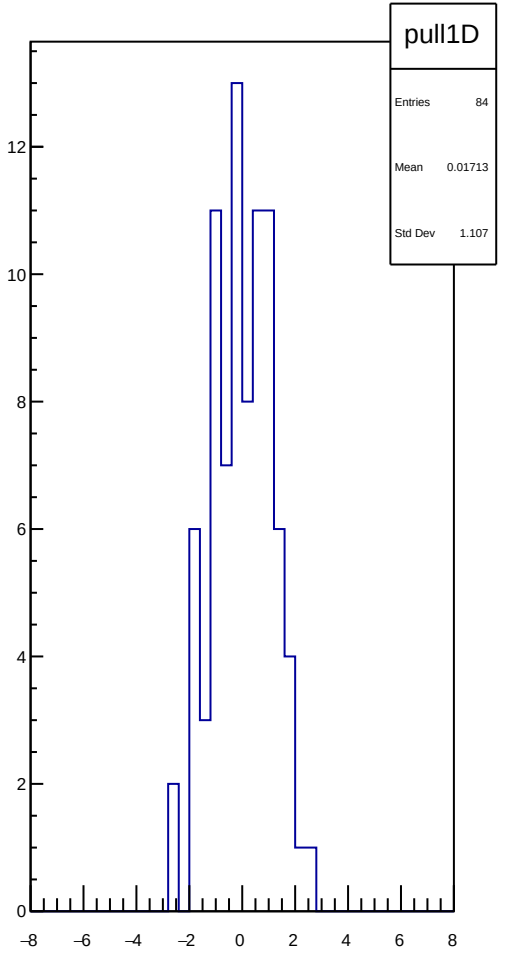

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.9 / 83
p0 5.024 ± 0.9962
pull
Entries 84
Mean 126.3
Std Dev 91.21

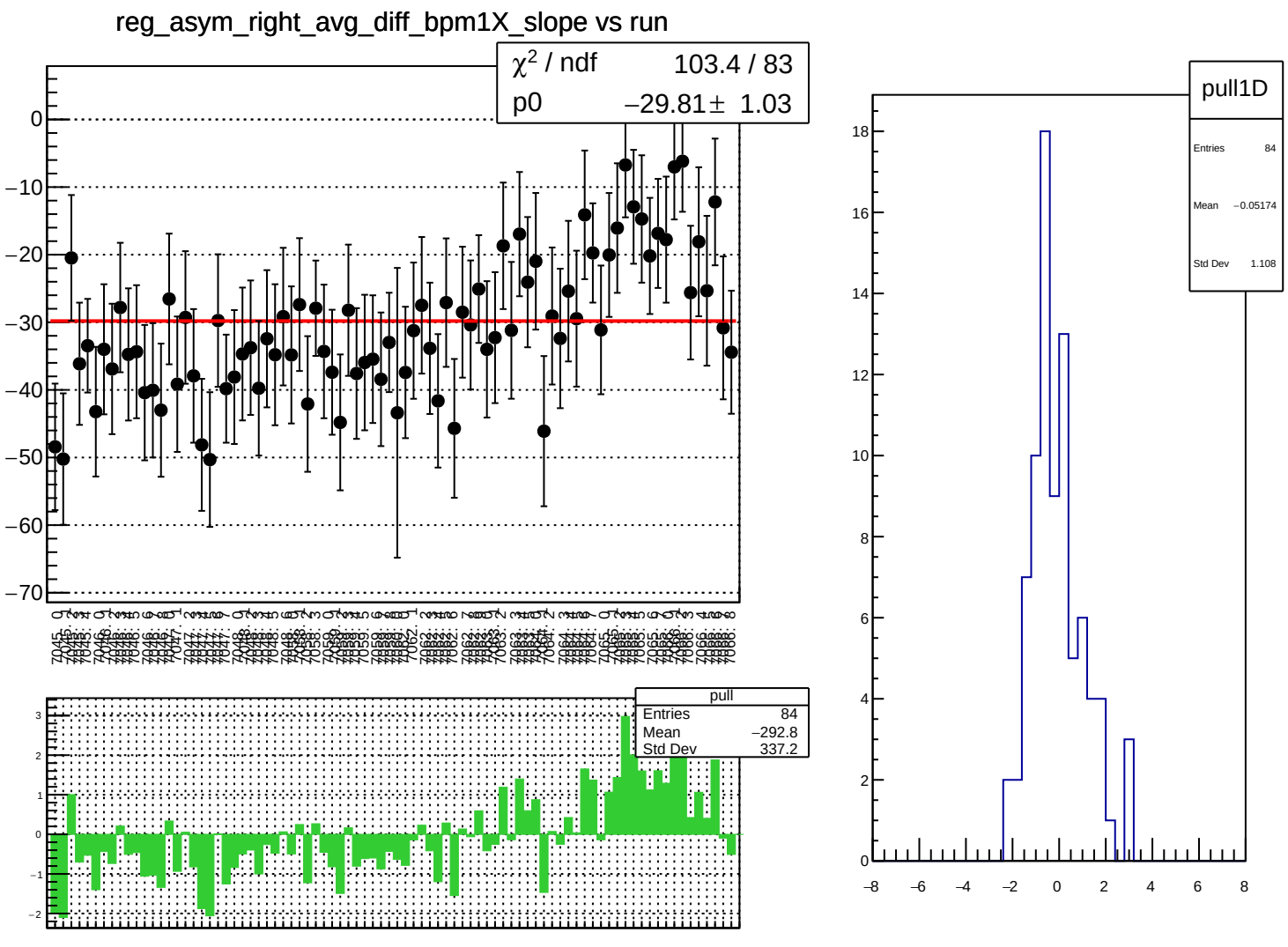

pull1D
Entries 84
Mean −0.01763
Std Dev 0.6443

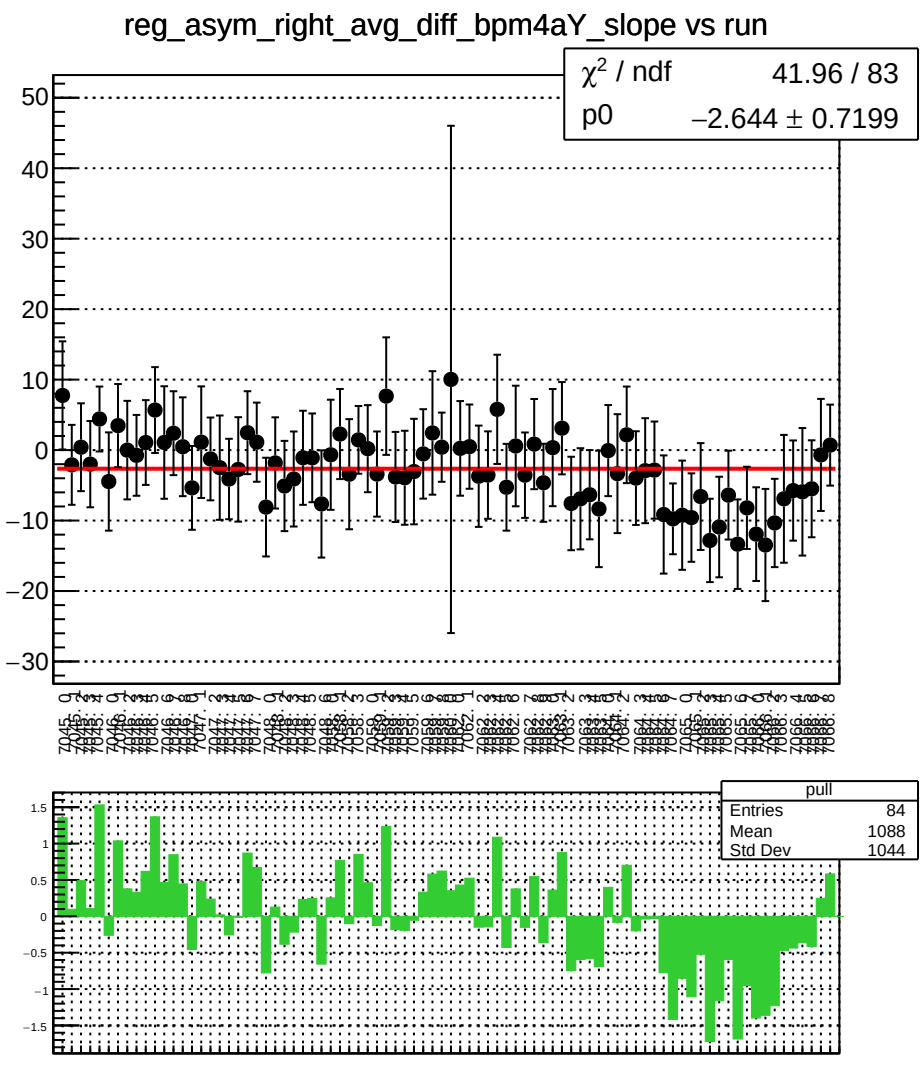

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.18 / 83
p0 11.15 ± 0.7797
pull
Entries 84
Mean 247.2
Std Dev 206

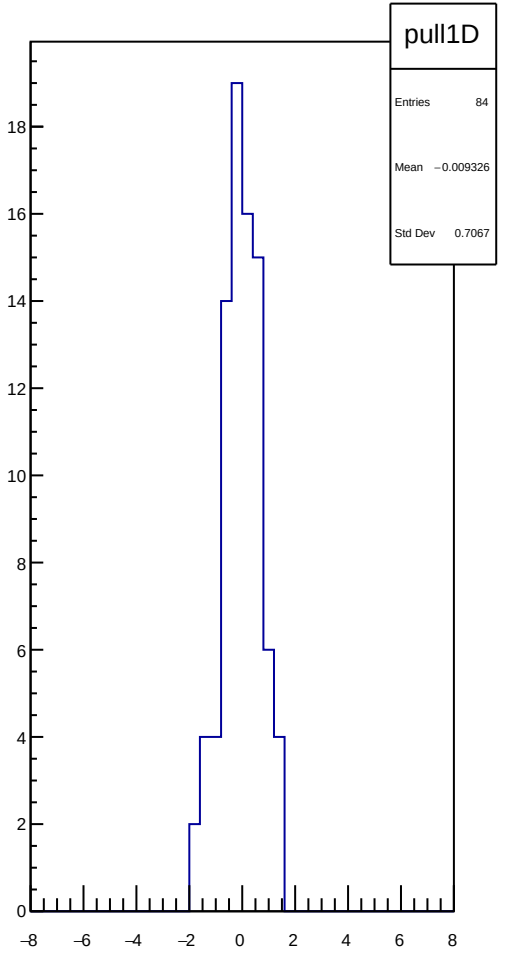

pull1D
Entries 84
Mean 0.01059
Std Dev 0.6284

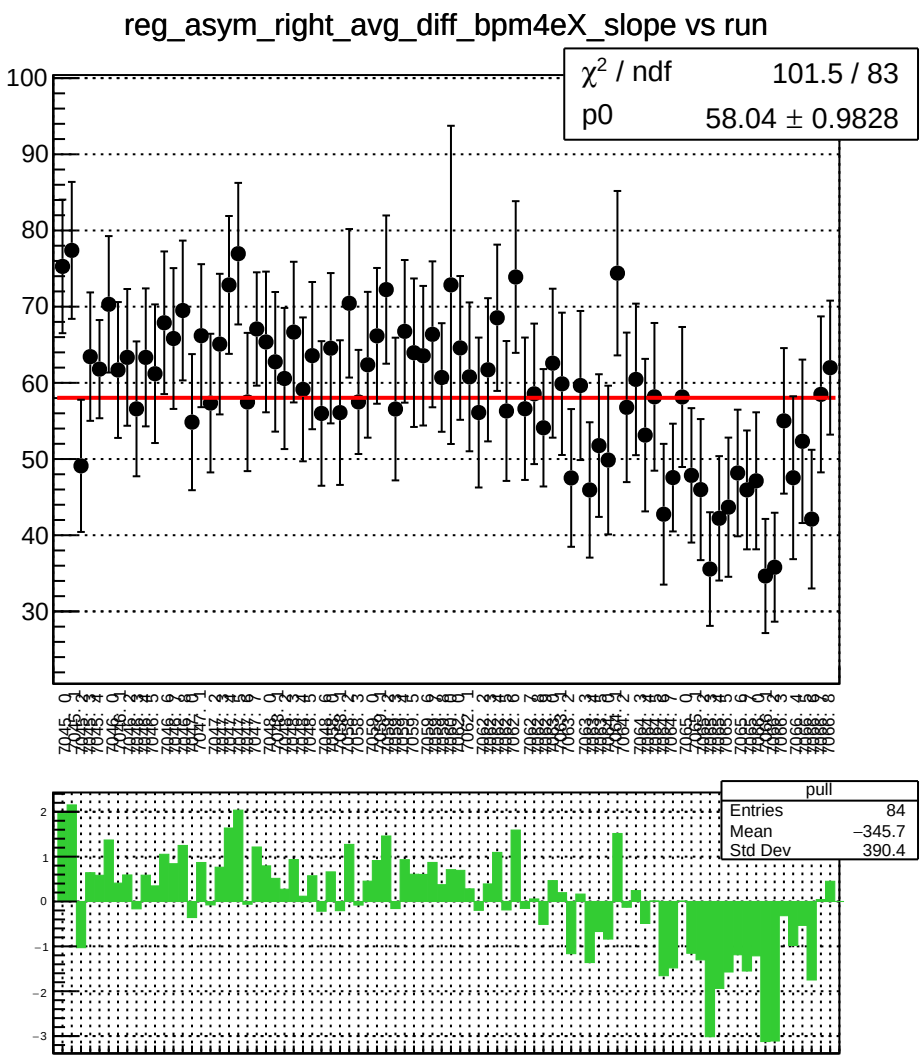

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 102.9 / 83
p0 −19.4 ± 0.03704
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 84
Mean 910.4
Std Dev 875.7
2
1
0
−1
−2

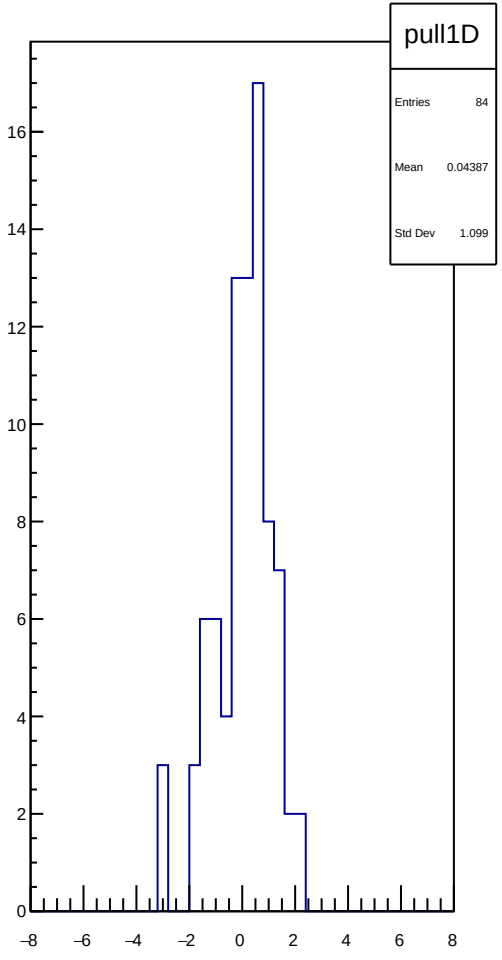

pull1D
Entries 84
Mean 0.01713
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

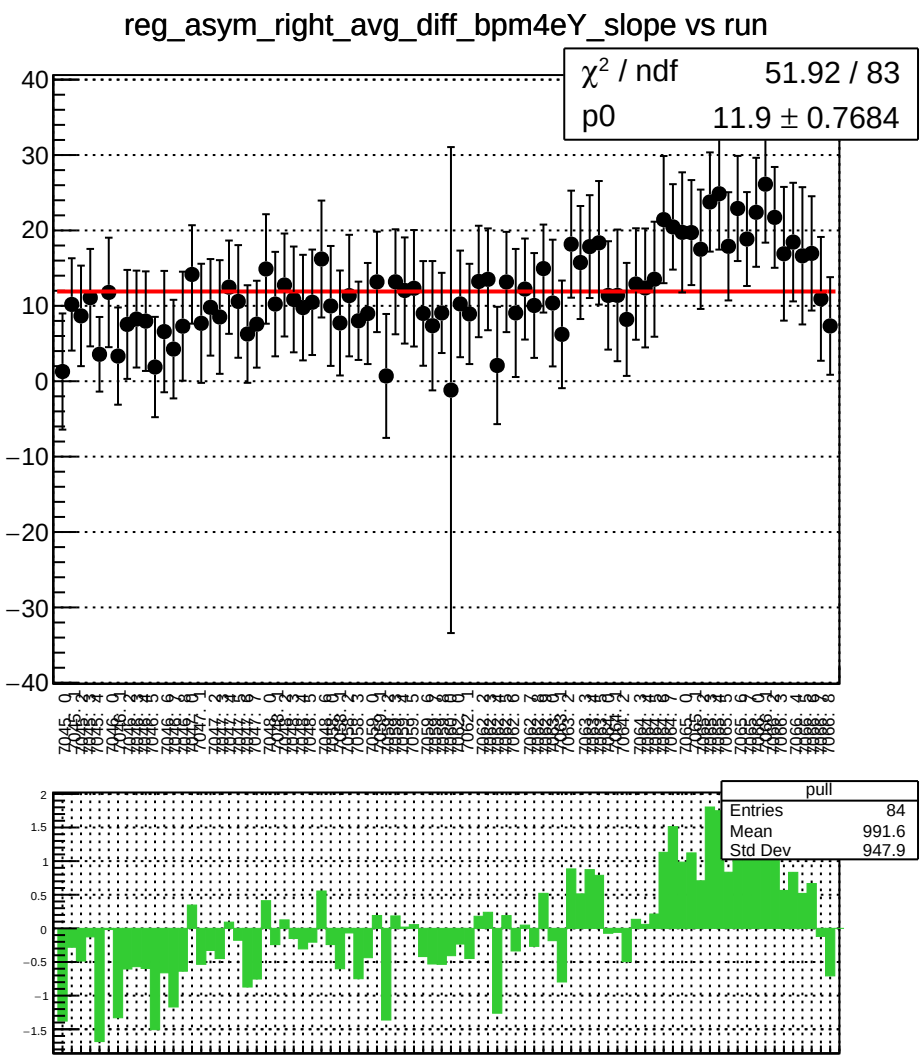

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 103.4 / 83
p0 −29.81 ± 1.03
pull
Entries 84
Mean −292.8
Std Dev 337.2
pull1D
Entries 84
Mean −0.05174
Std Dev 1.108

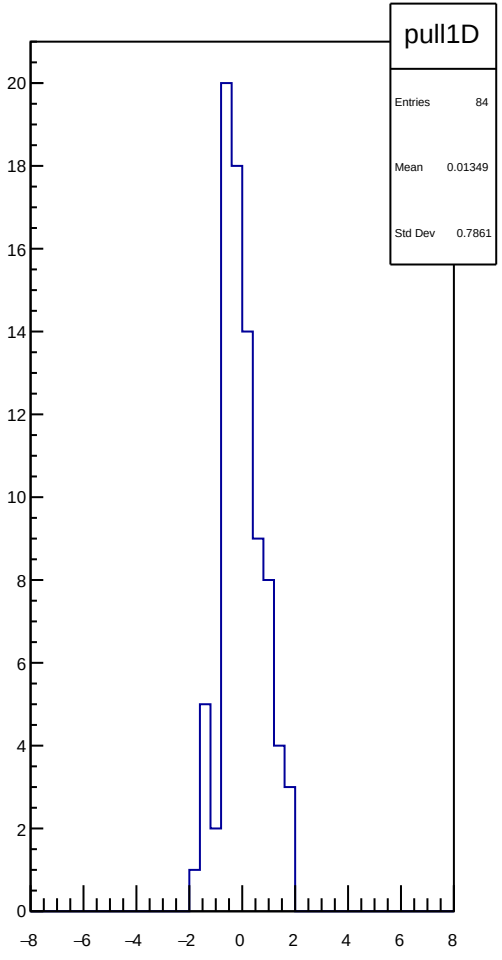

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.96 / 83
p0 −2.644 ± 0.7199
pull
Entries 84
Mean 1088
Std Dev 1044

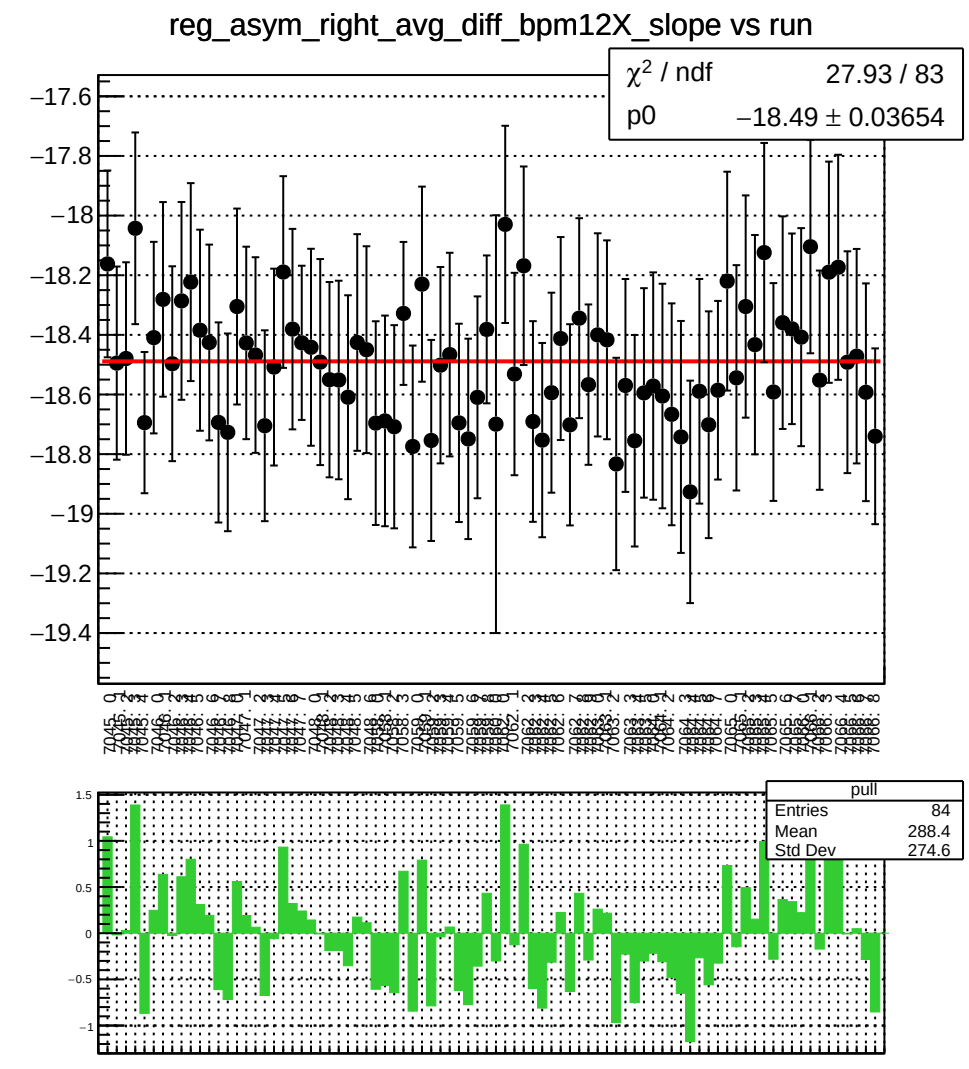

pull1D
Entries 84
Mean −0.009326
Std Dev 0.7067

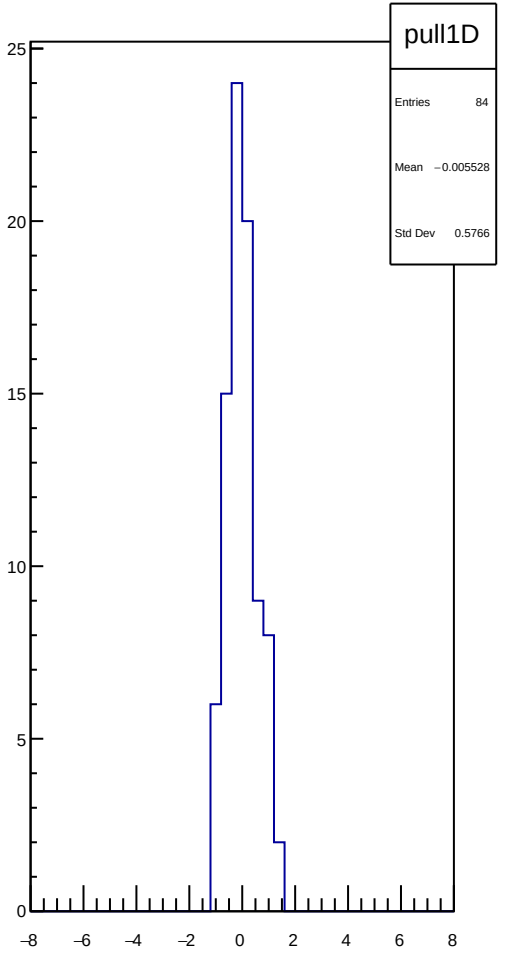

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 101.5 / 83
p0 58.04 ± 0.9828
pull
Entries 84
Mean −345.7
Std Dev 390.4

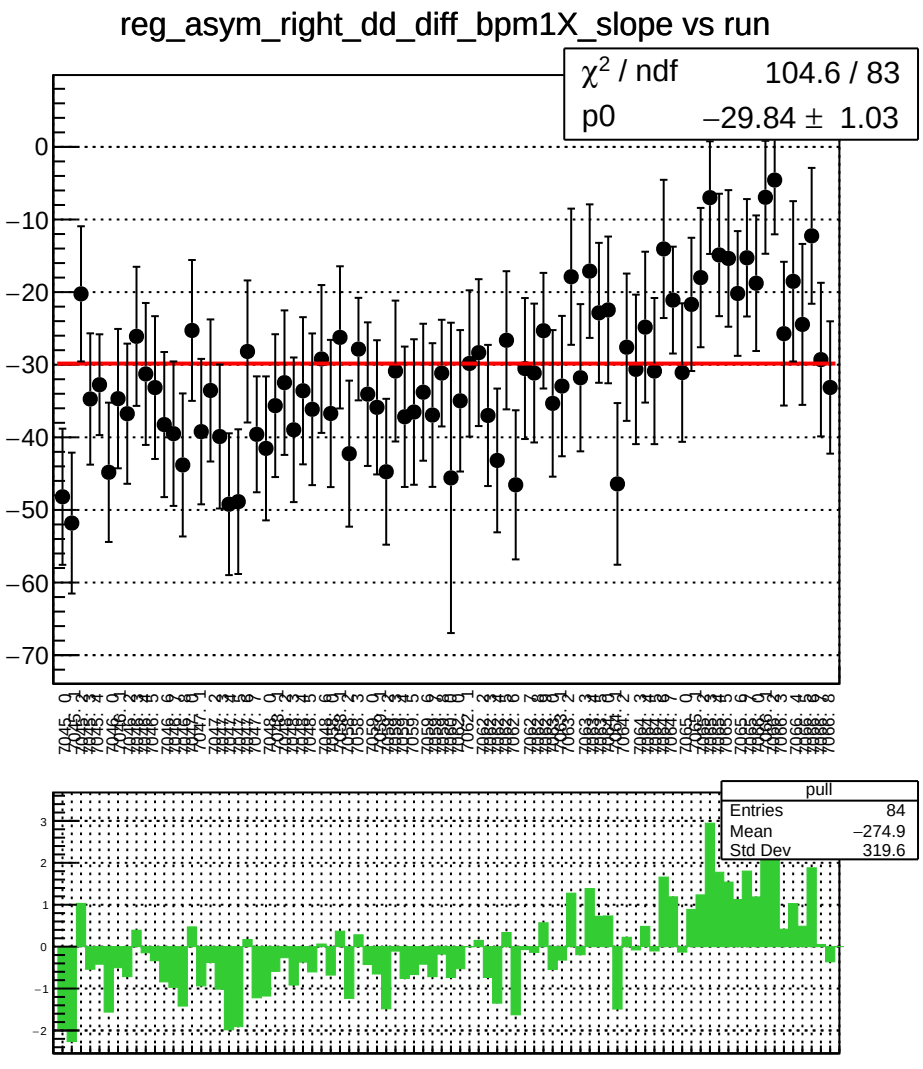

pull1D
Entries 84
Mean 0.04387
Std Dev 1.099

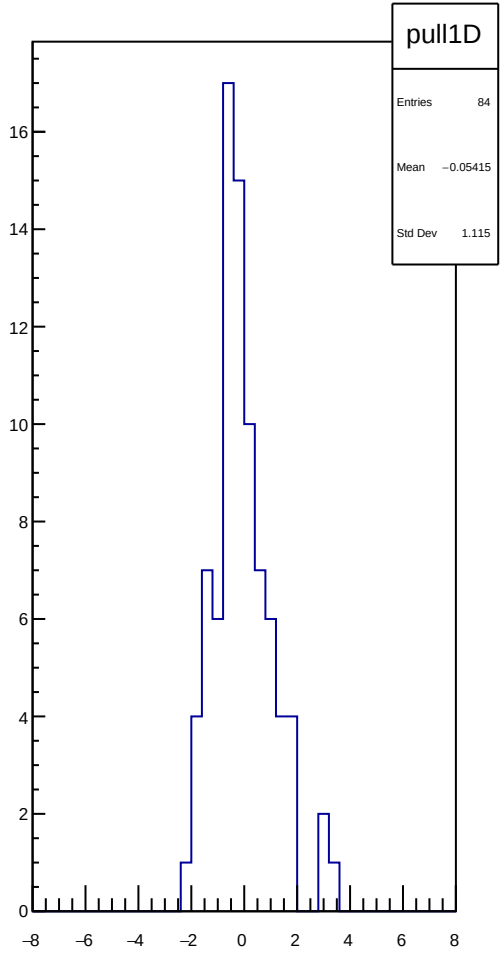

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.92 / 83
p0 11.9 ± 0.7684
pull
Entries 84
Mean 991.6
Std Dev 947.9

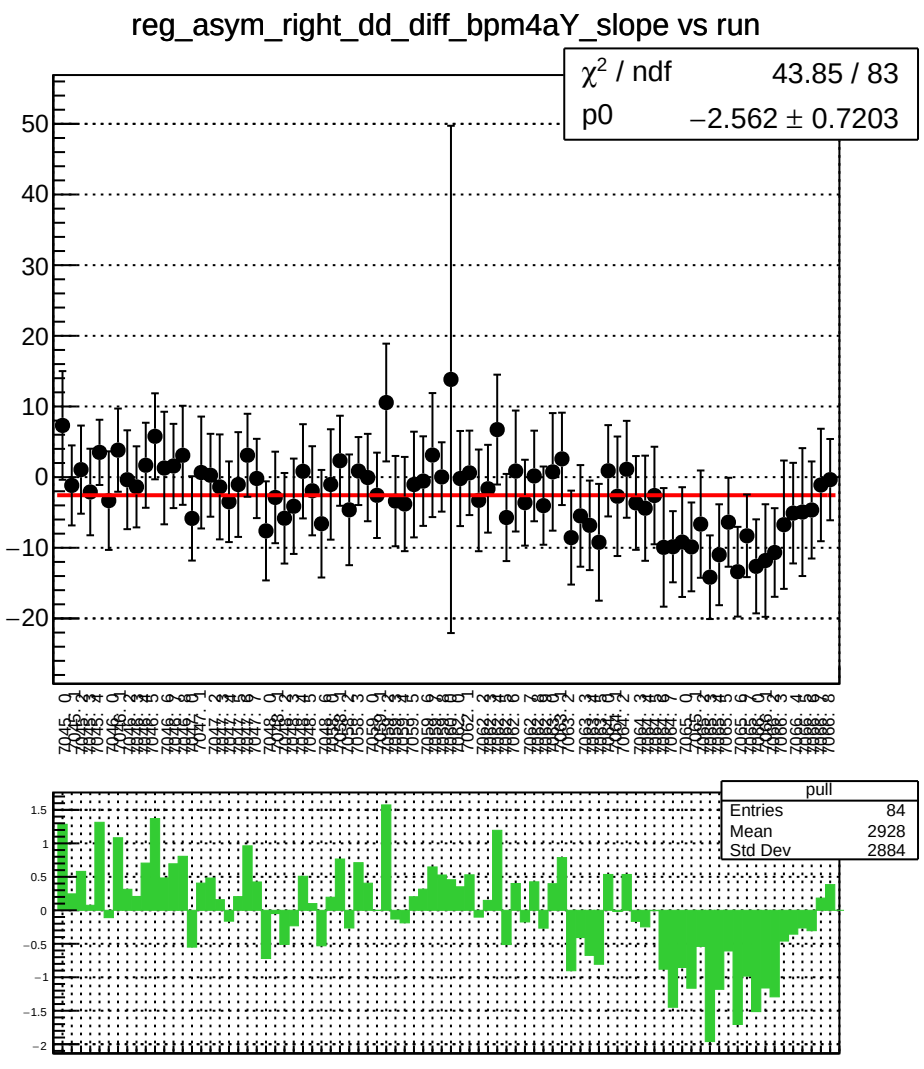

pull1D
Entries 84
Mean 0.01349
Std Dev 0.7861

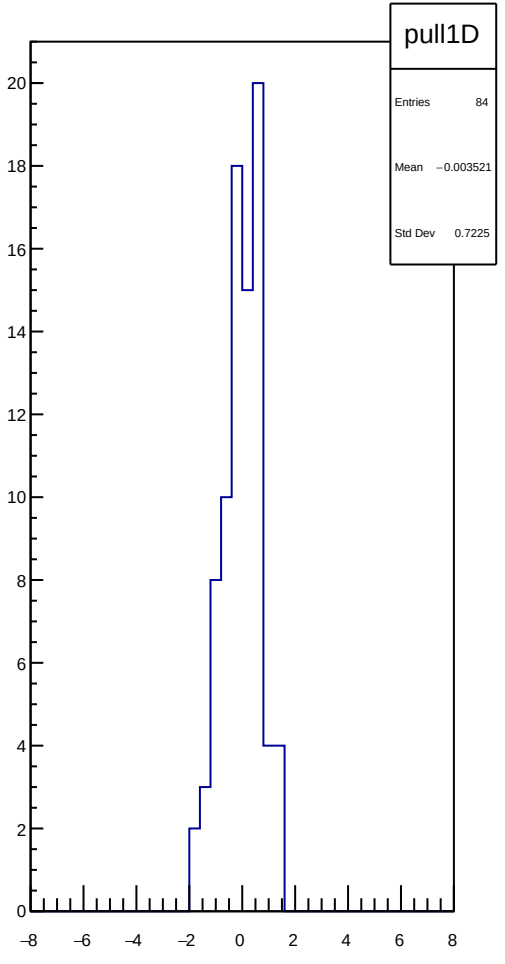

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 27.93 / 83
p0 −18.49 ± 0.03654
−17.6
−17.8
−18
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
pull
Entries 84
Mean 288.4
Std Dev 274.6
1.5
1
0.5
0
−0.5
−1

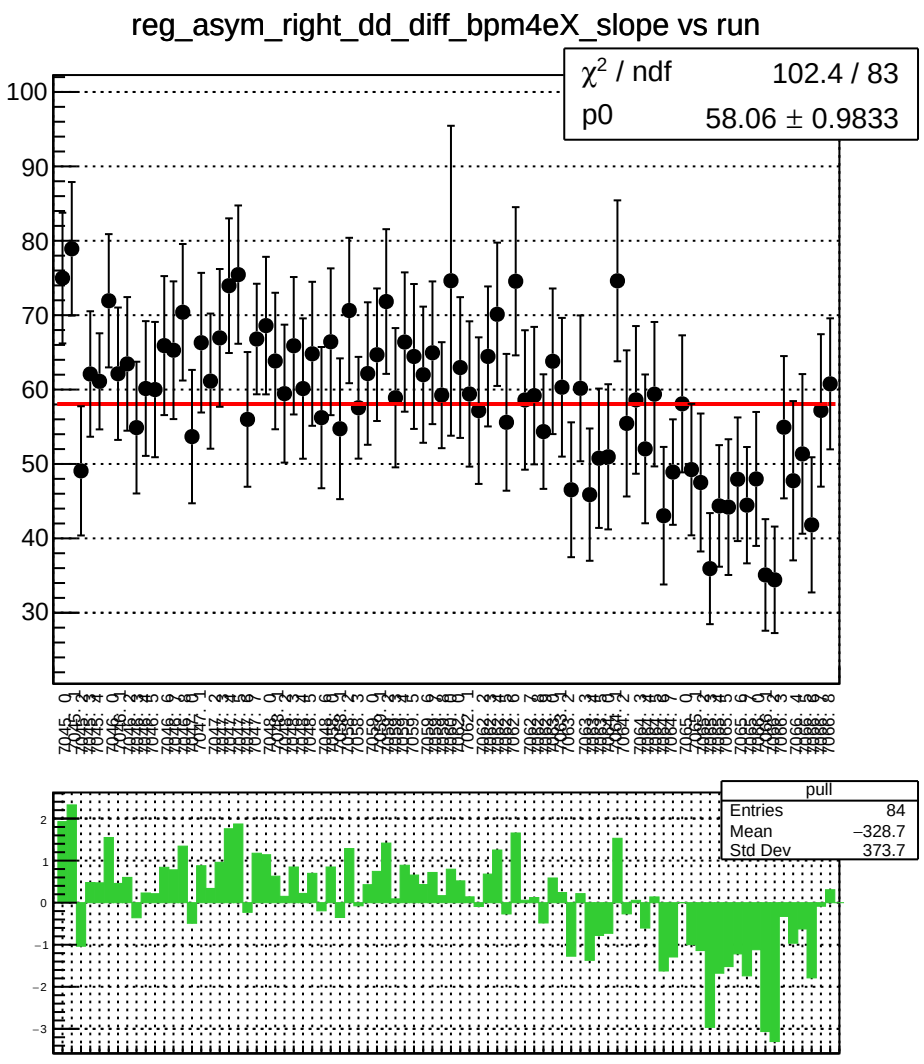

pull1D
Entries 84
Mean −0.005528
Std Dev 0.5766
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

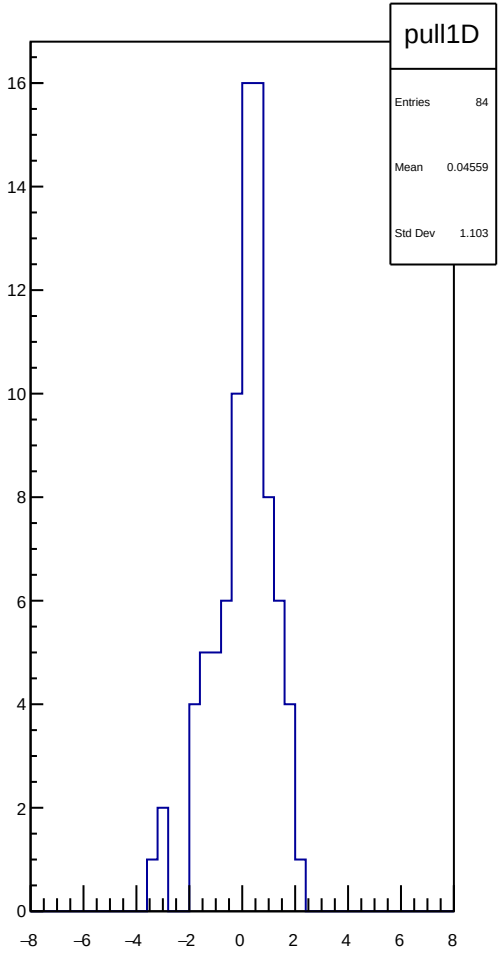

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 104.6 / 83
p0 −29.84 ± 1.03
pull
Entries 84
Mean −274.9
Std Dev 319.6

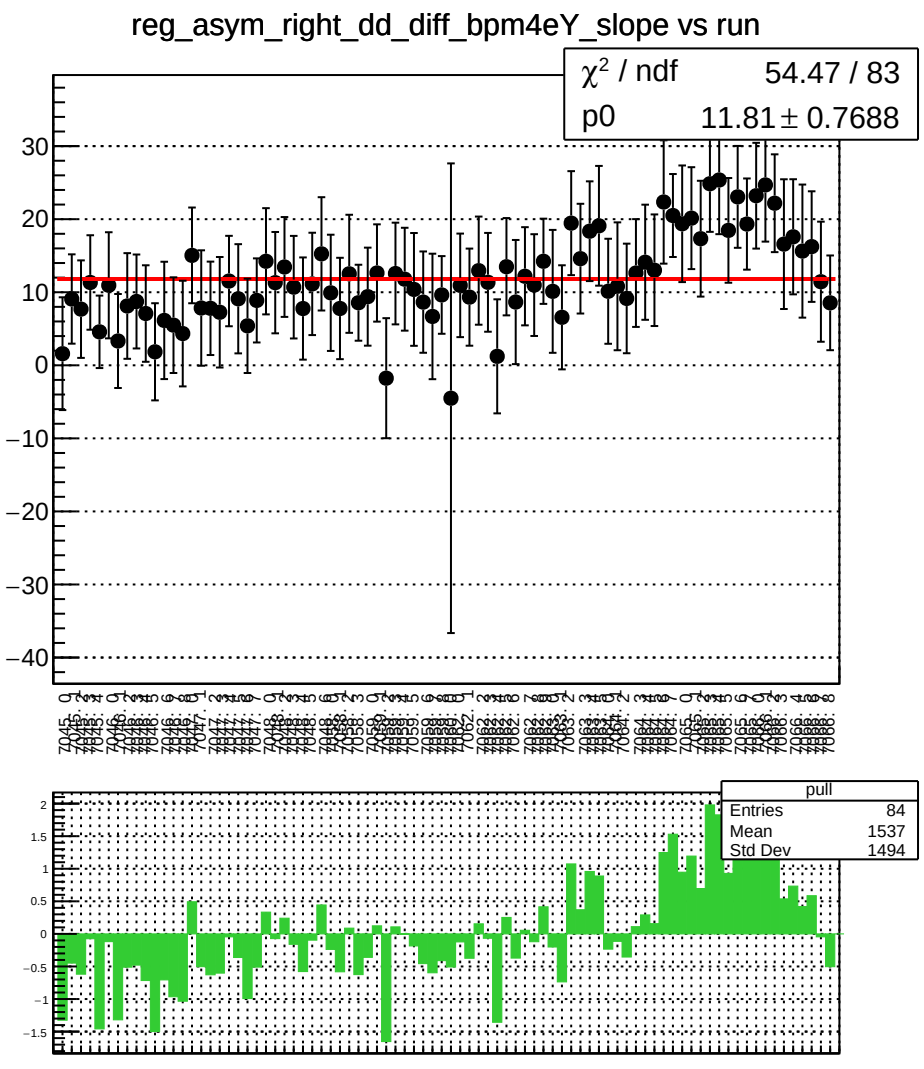

pull1D
Entries 84
Mean −0.05415
Std Dev 1.115

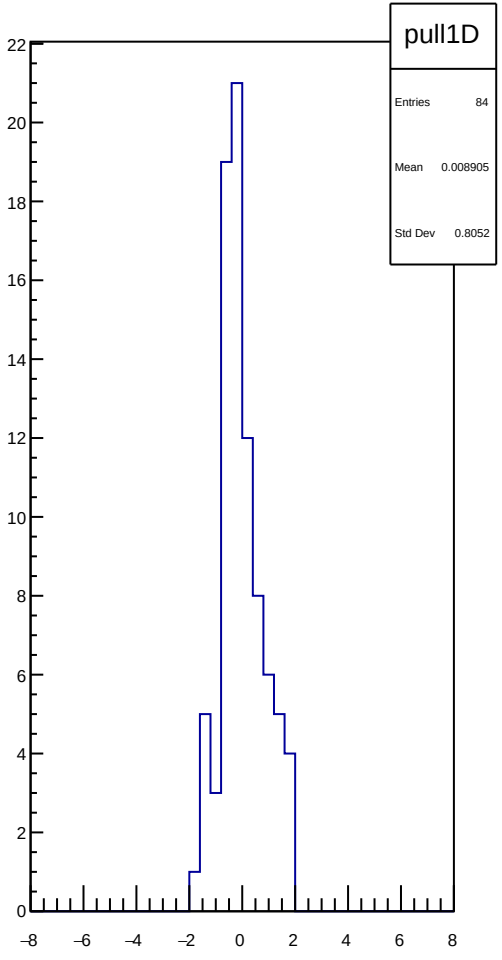

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.85 / 83
p0 −2.562 ± 0.7203
pull
Entries 84
Mean 2928
Std Dev 2884

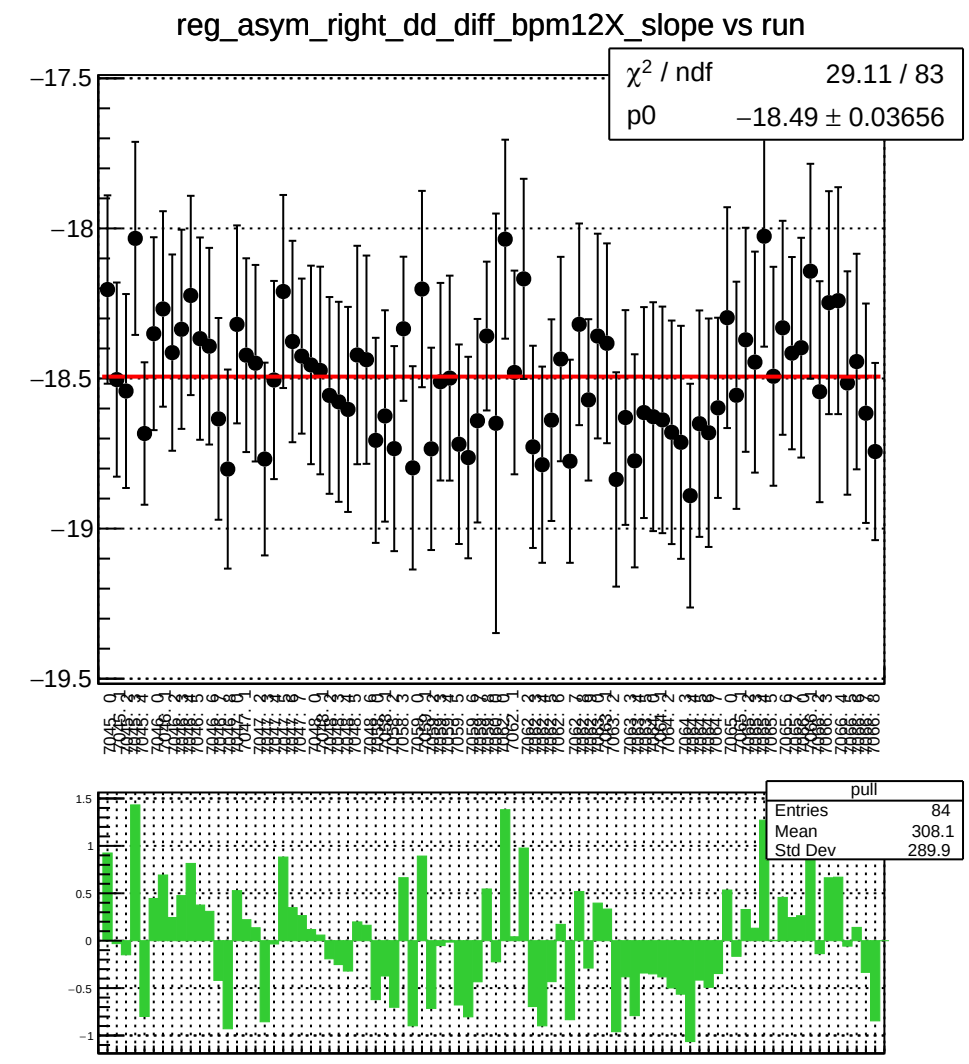

pull1D
Entries 84
Mean −0.003521
Std Dev 0.7225

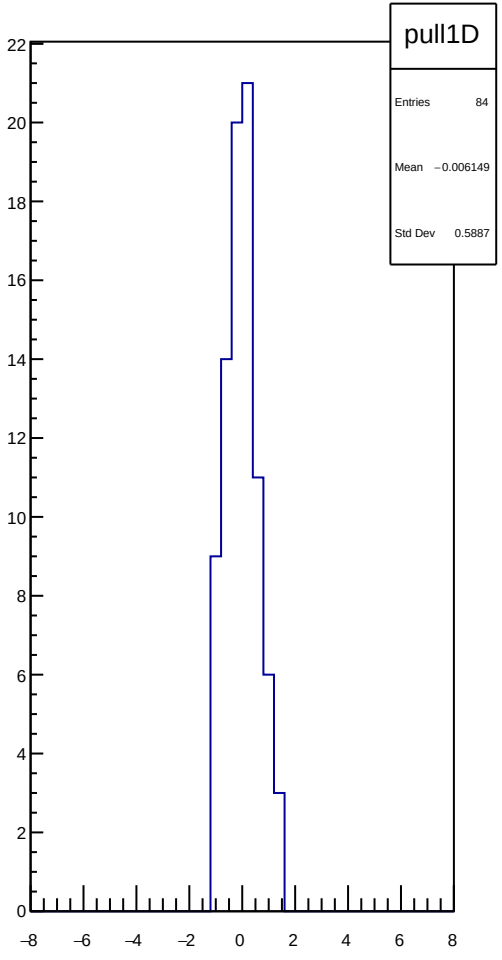

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.4 / 83
p0 58.06 ± 0.9833
pull
Entries 84
Mean −328.7
Std Dev 373.7

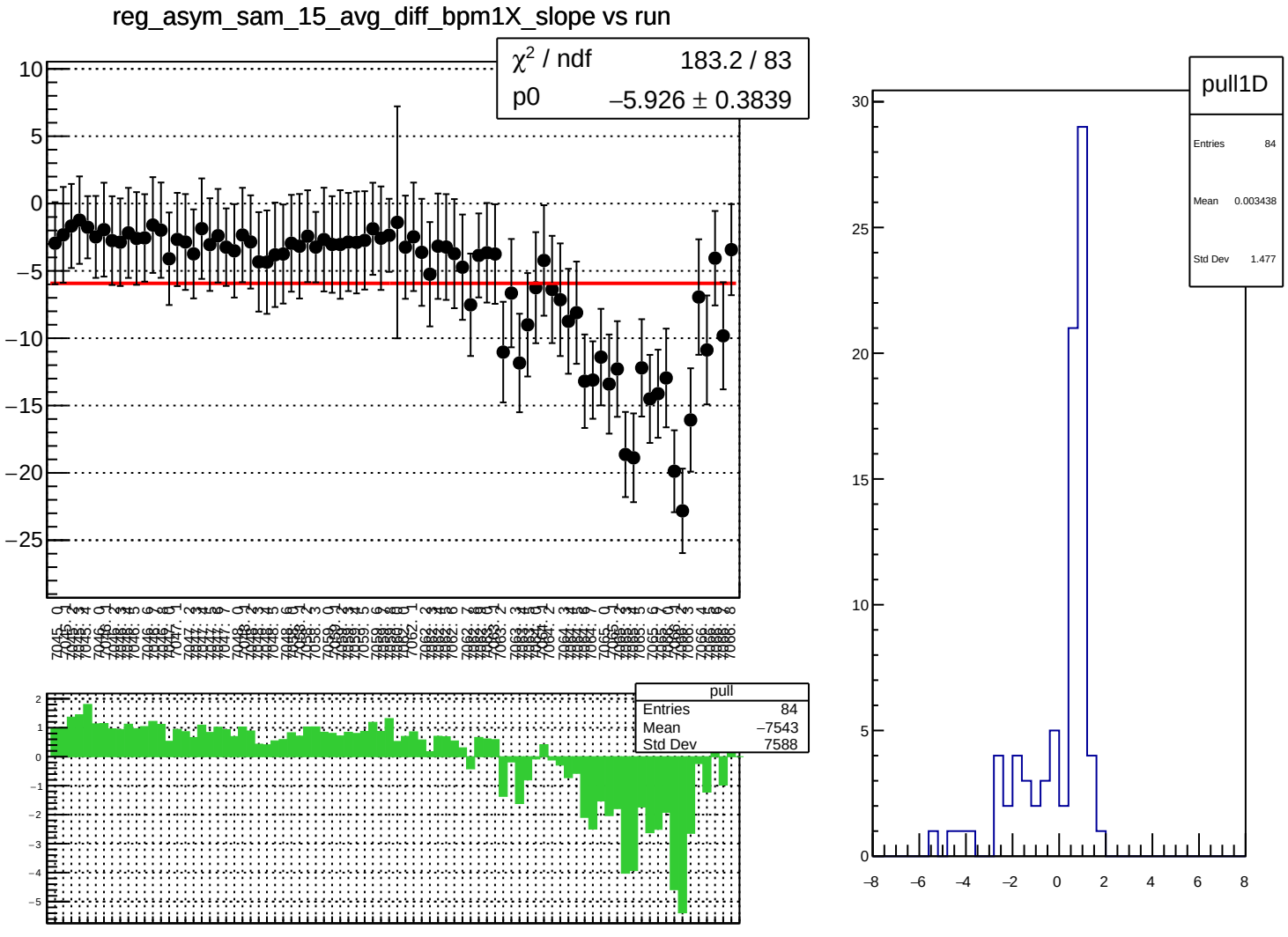

pull1D
Entries 84
Mean 0.04559
Std Dev 1.103

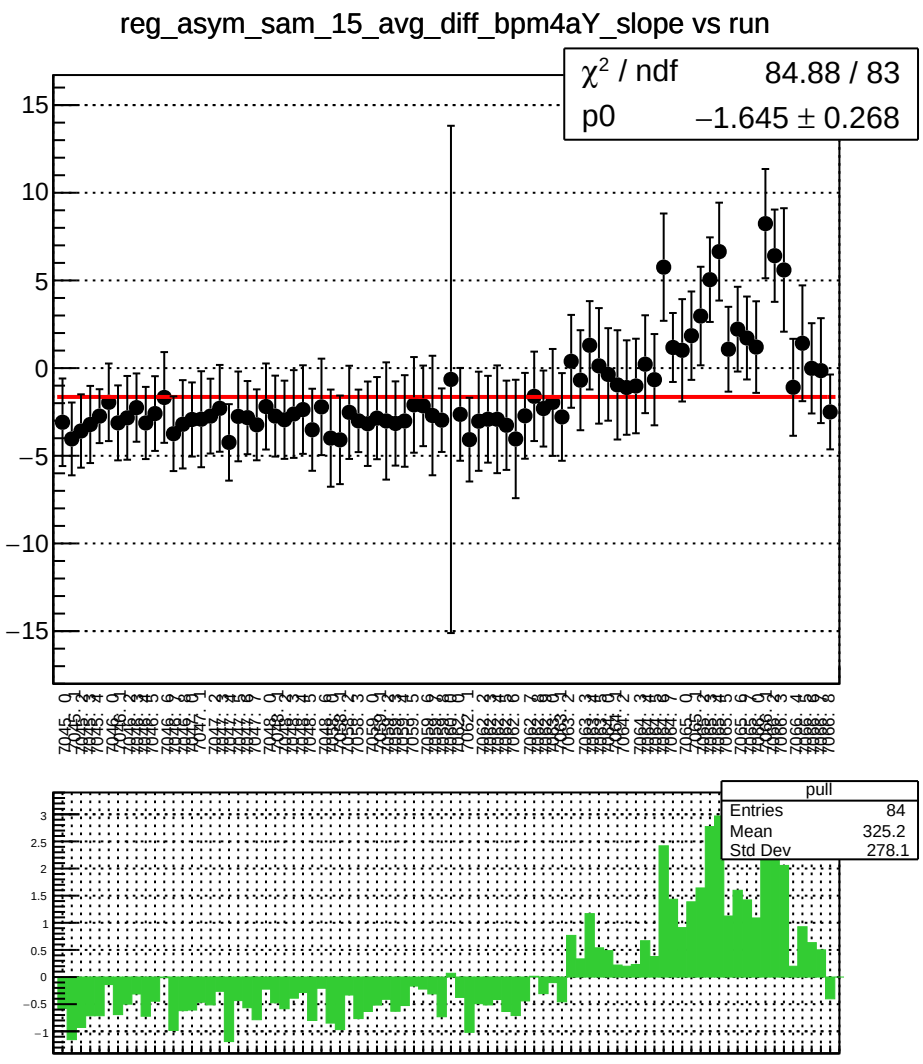

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.47 / 83
p0 11.81 ± 0.7688
pull
Entries 84
Mean 1537
Std Dev 1494

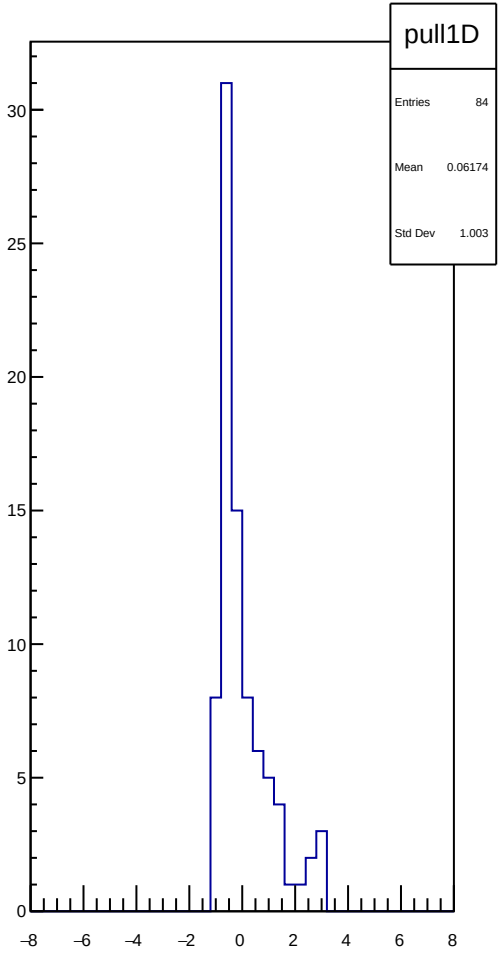

pull1D
Entries 84
Mean 0.008905
Std Dev 0.8052

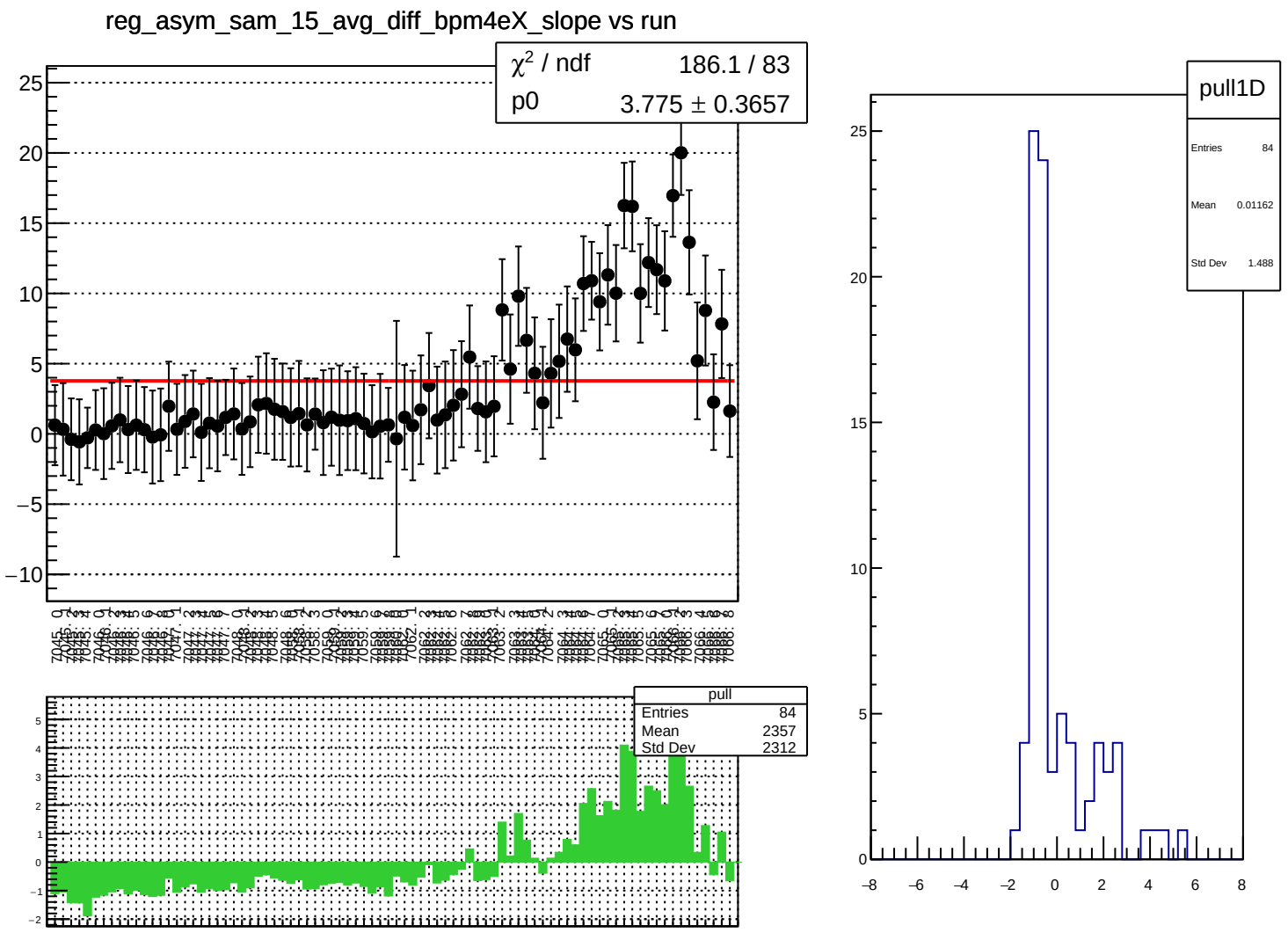

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 29.11 / 83
p0 −18.49 ± 0.03656
−17.5
−18
−18.5
−19
−19.5
pull
Entries 84
Mean 308.1
Std Dev 289.9
1.5
1
0.5
0
−0.5
−1

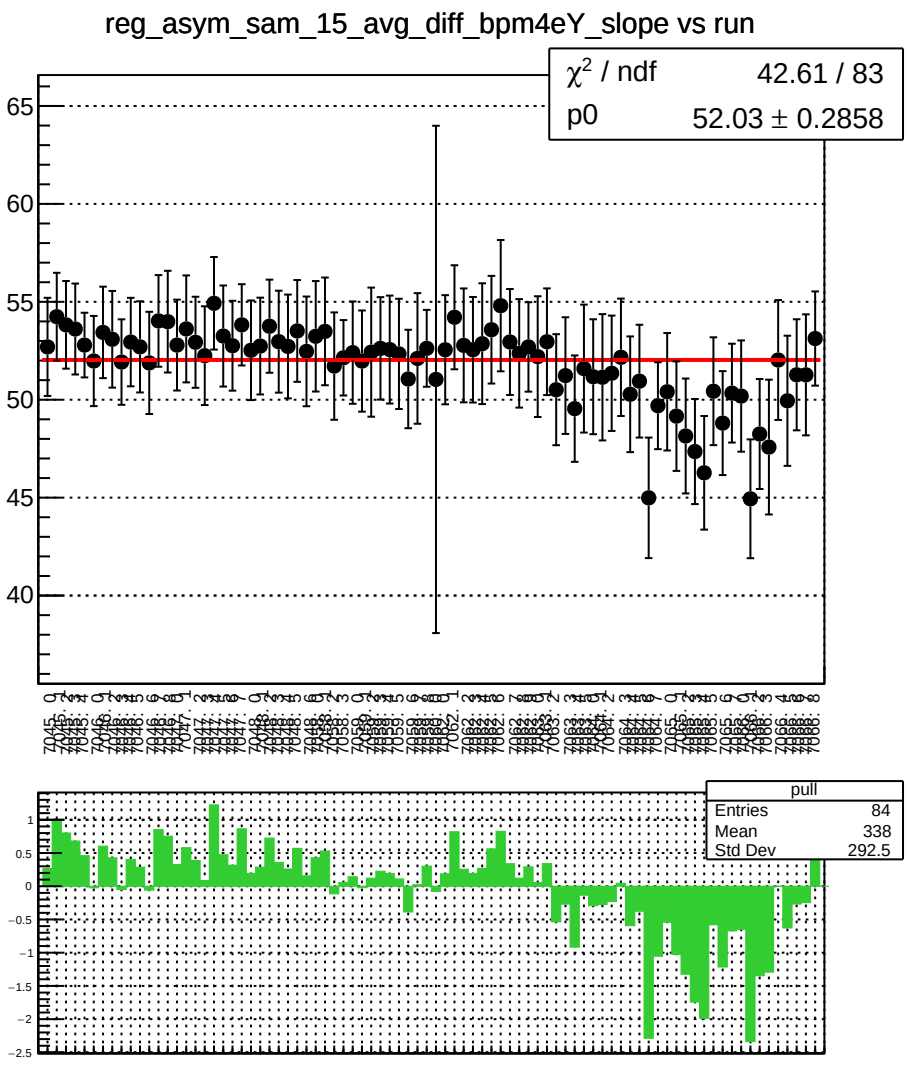

pull1D
Entries 84
Mean −0.006149
Std Dev 0.5887
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

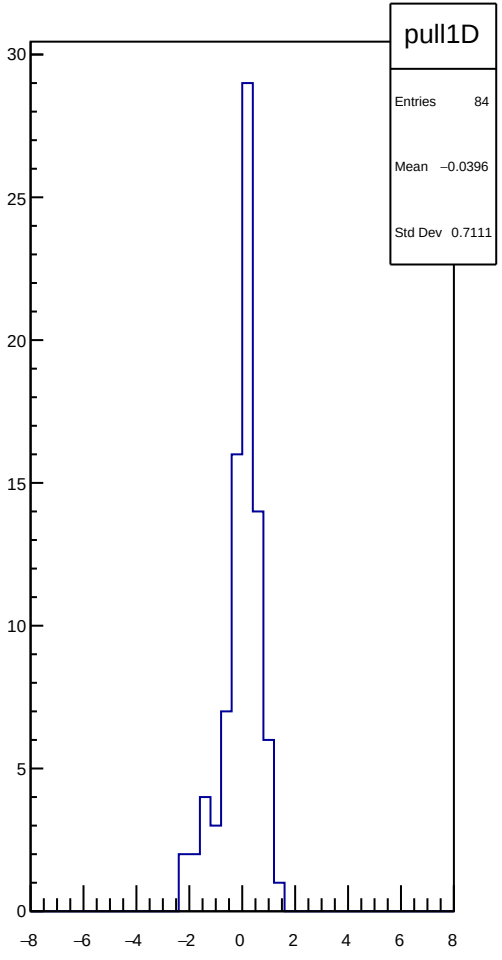

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 183.2 / 83
p0 −5.926 ± 0.3839
pull
Entries 84
Mean −7543
Std Dev 7588
pull1D
Entries 84
Mean 0.003438
Std Dev 1.477

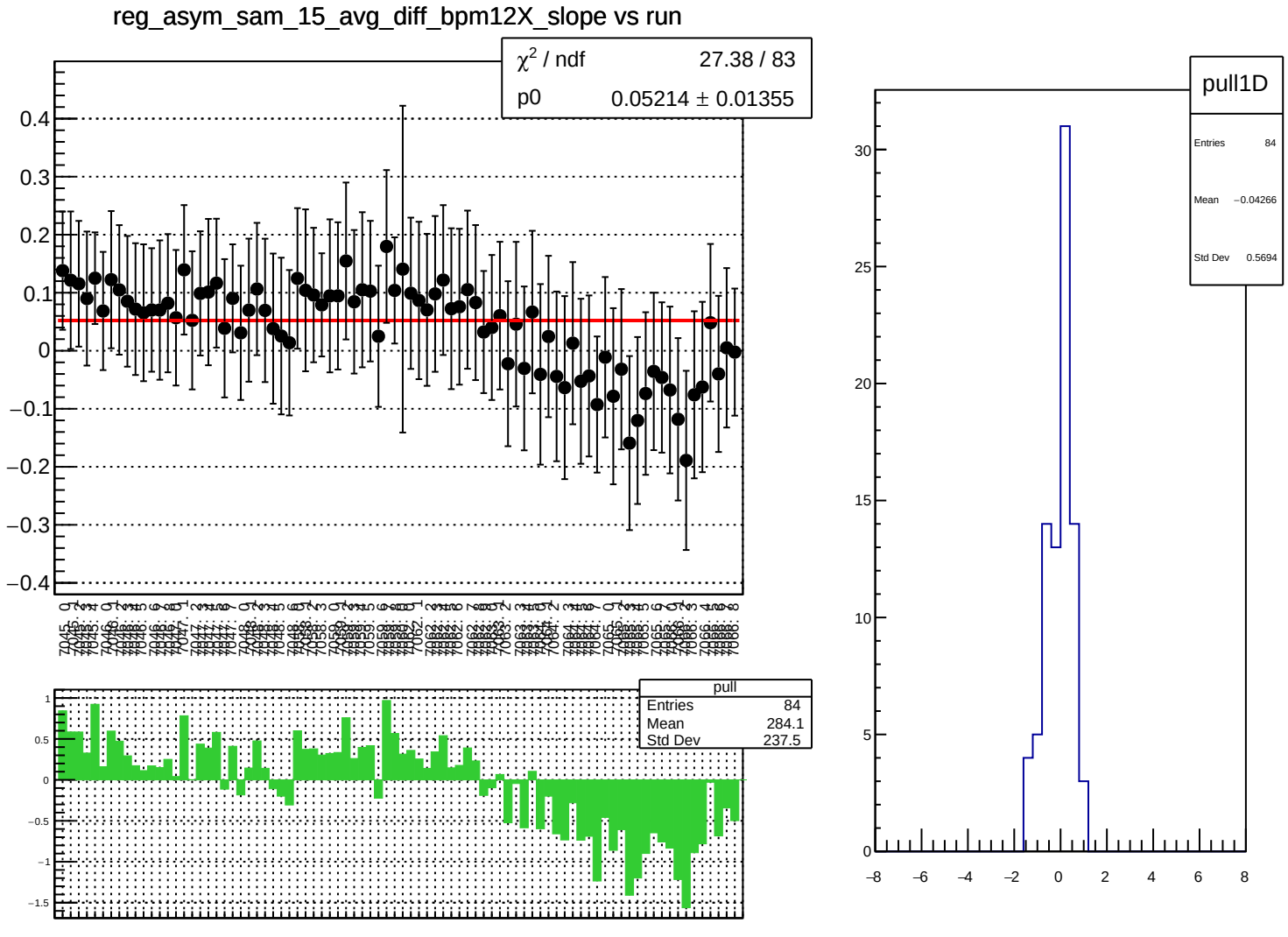

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 84.88 / 83
p0 −1.645 ± 0.268
pull
Entries 84
Mean 325.2
Std Dev 278.1

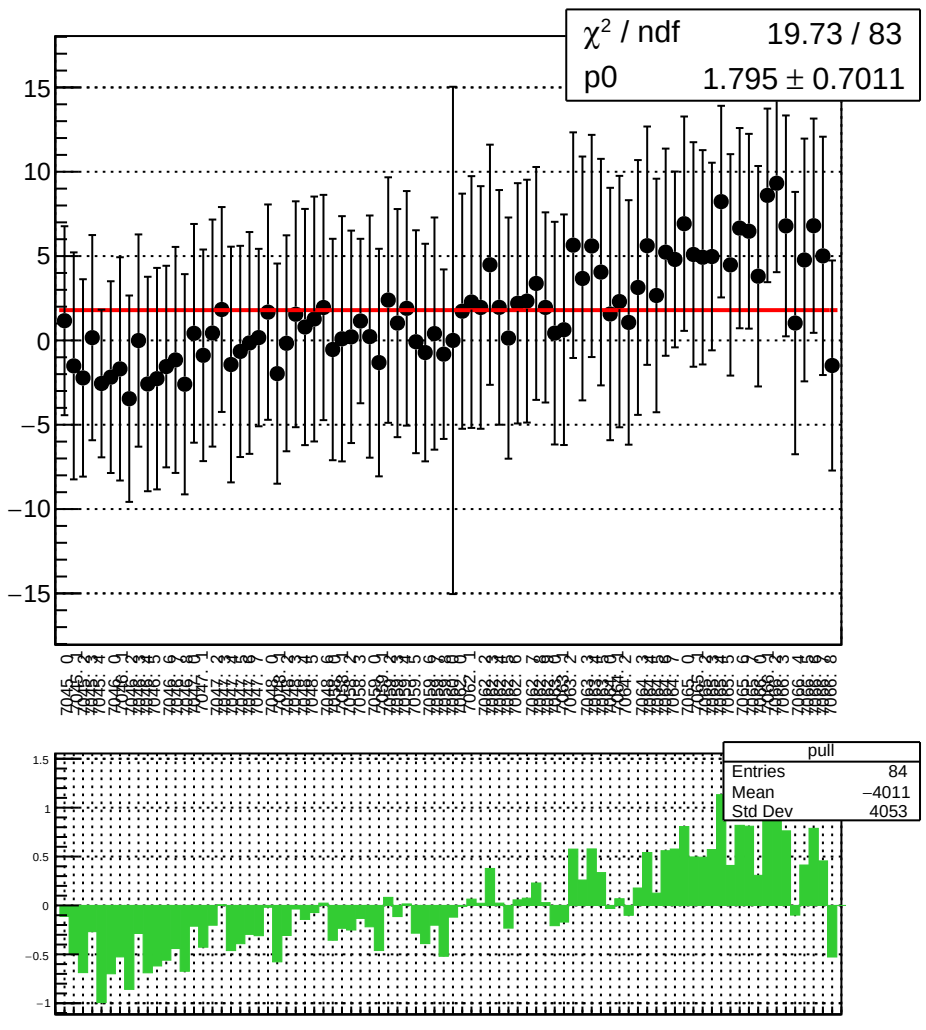

pull1D
Entries 84
Mean 0.06174
Std Dev 1.003

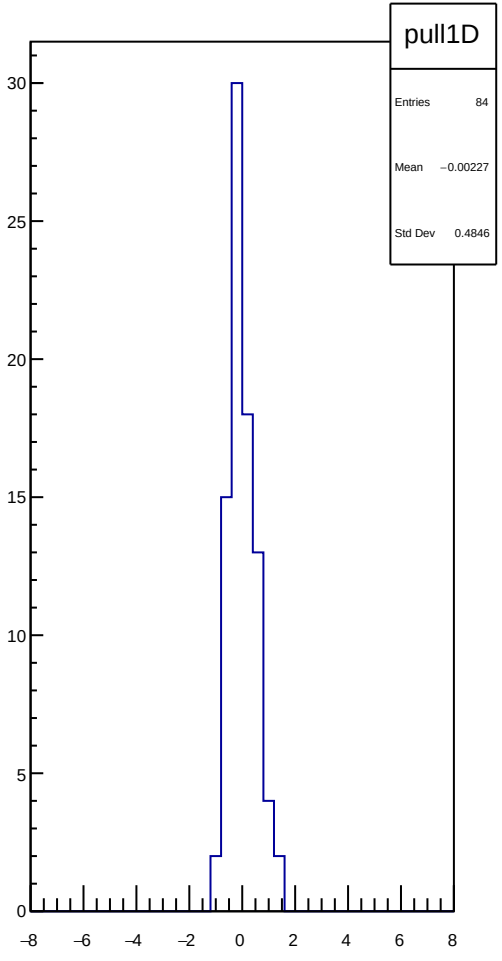

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 186.1 / 83
p0 3.775 ± 0.3657
pull
Entries 84
Mean 2357
Std Dev 2312
pull1D
Entries 84
Mean 0.01162
Std Dev 1.488

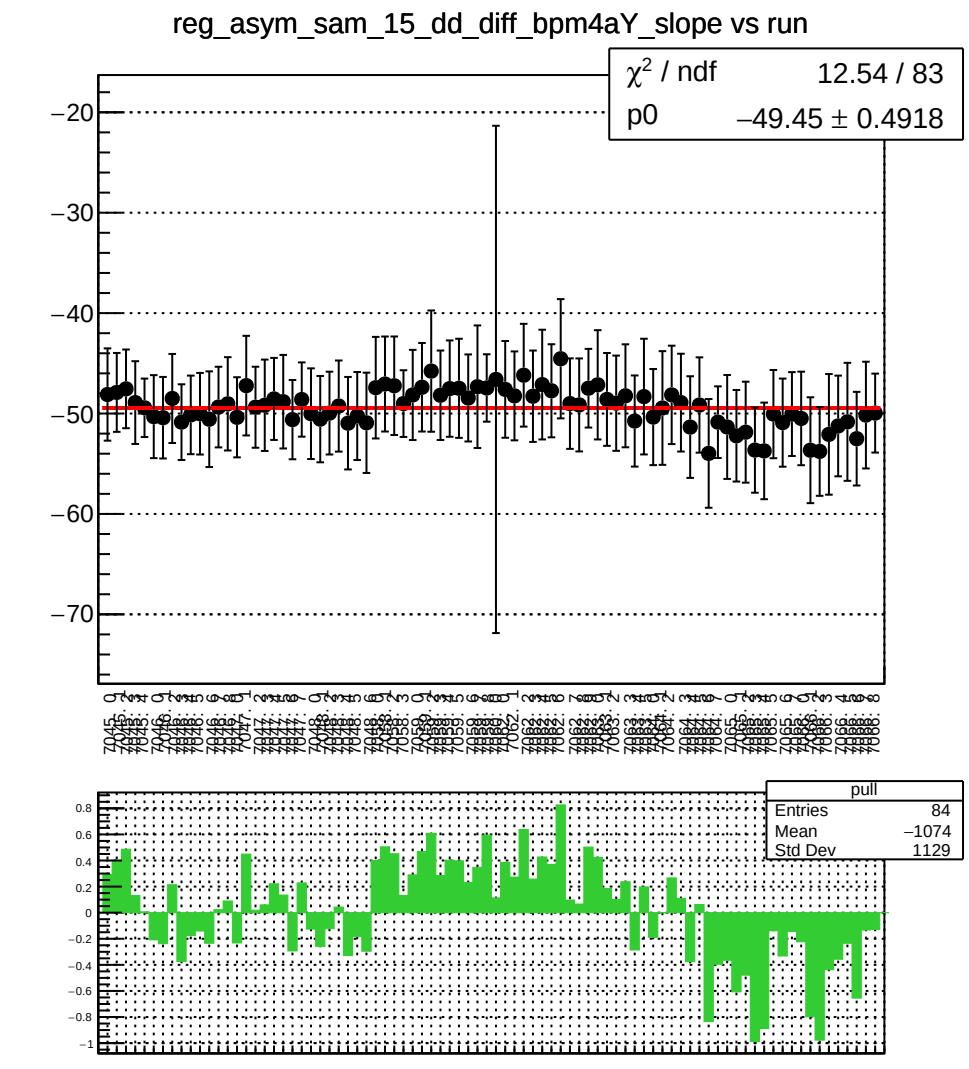

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.61 / 83
p0 52.03 ± 0.2858
pull
Entries 84
Mean 338
Std Dev 292.5

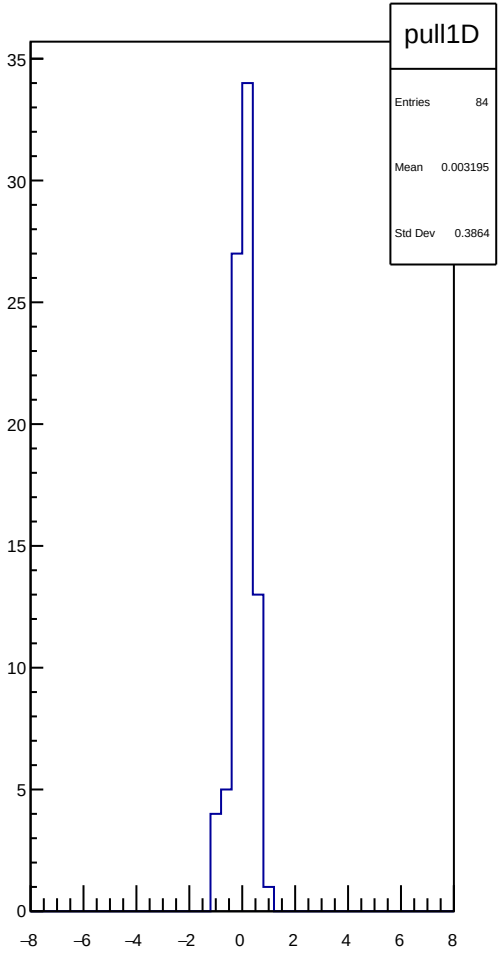

pull1D
Entries 84
Mean −0.0396
Std Dev 0.7111

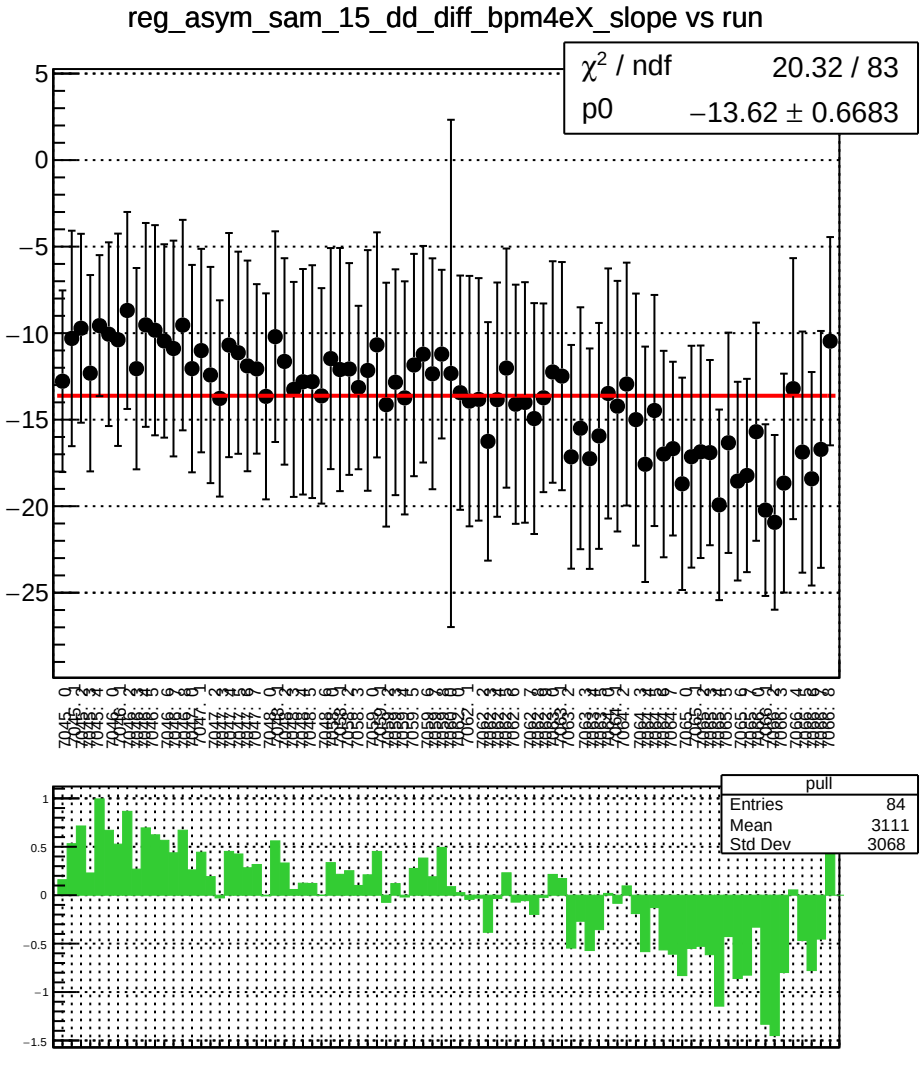

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 27.38 / 83
p0 0.05214 ± 0.01355
pull
Entries 84
Mean 284.1
Std Dev 237.5
pull1D
Entries 84
Mean −0.04266
Std Dev 0.5694

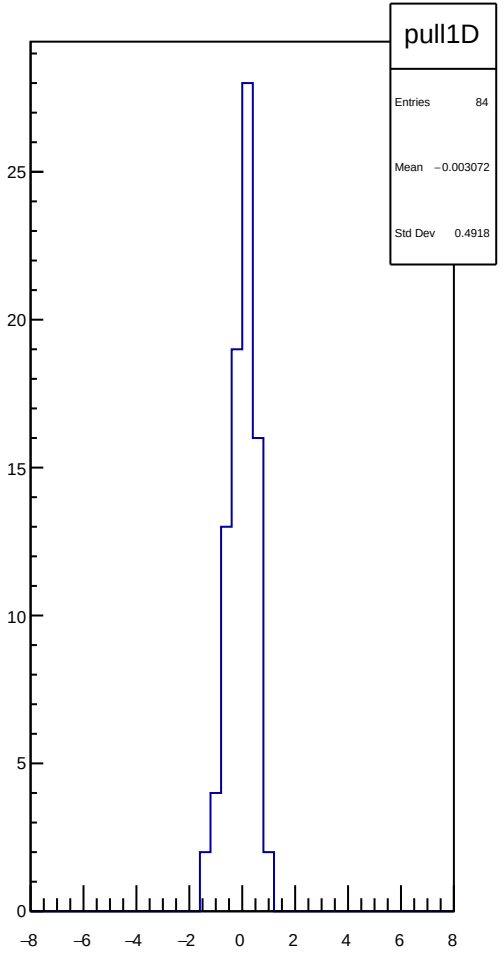

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 19.73 / 83
p0 1.795 ± 0.7011
pull
Entries 84
Mean −4011
Std Dev 4053

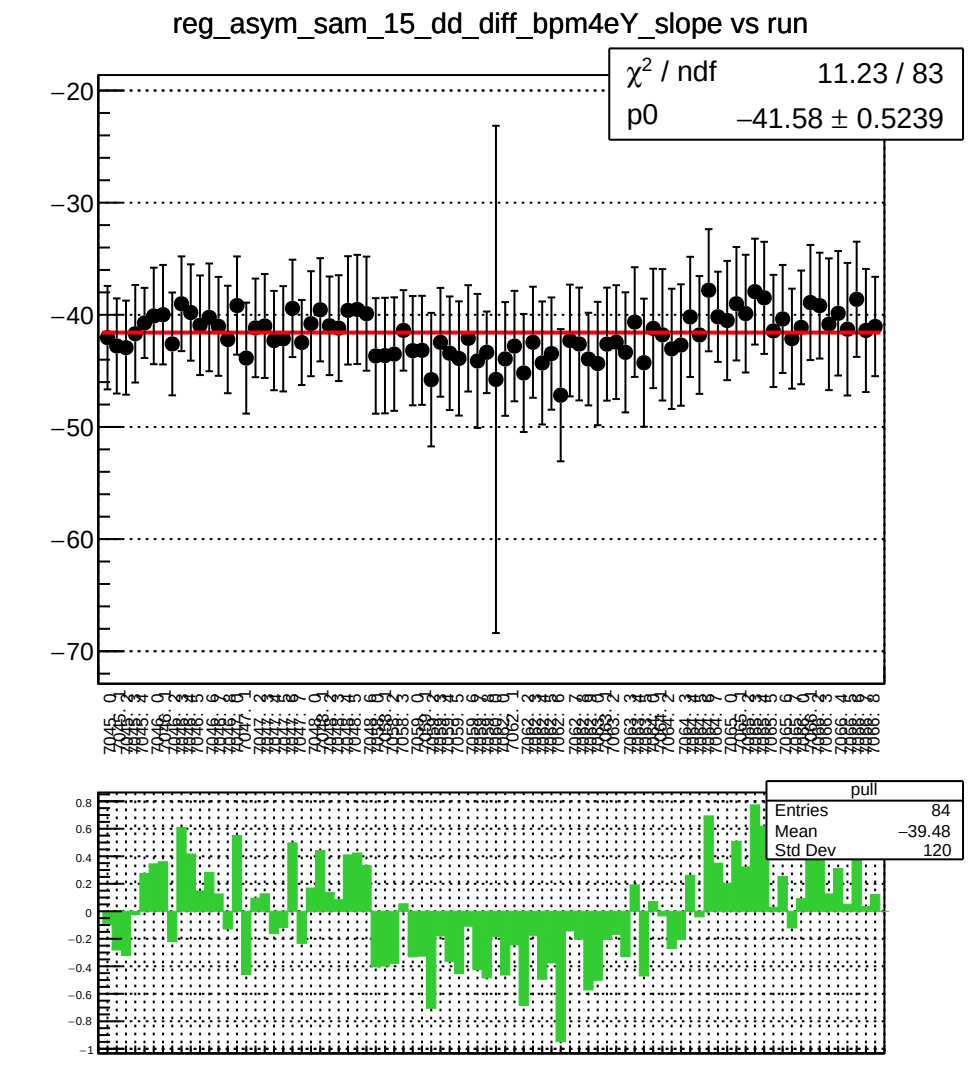

pull1D
Entries 84
Mean −0.00227
Std Dev 0.4846

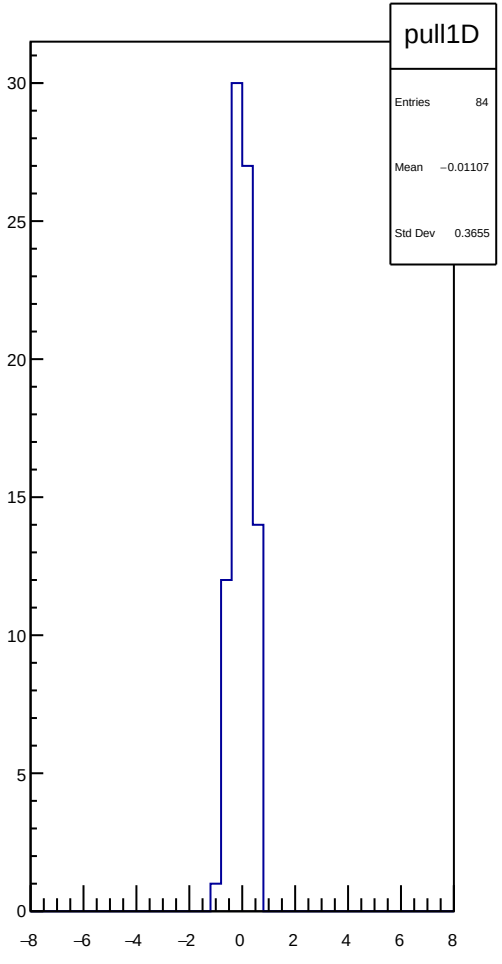

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.54 / 83
p0 −49.45 ± 0.4918
pull
Entries 84
Mean −1074
Std Dev 1129

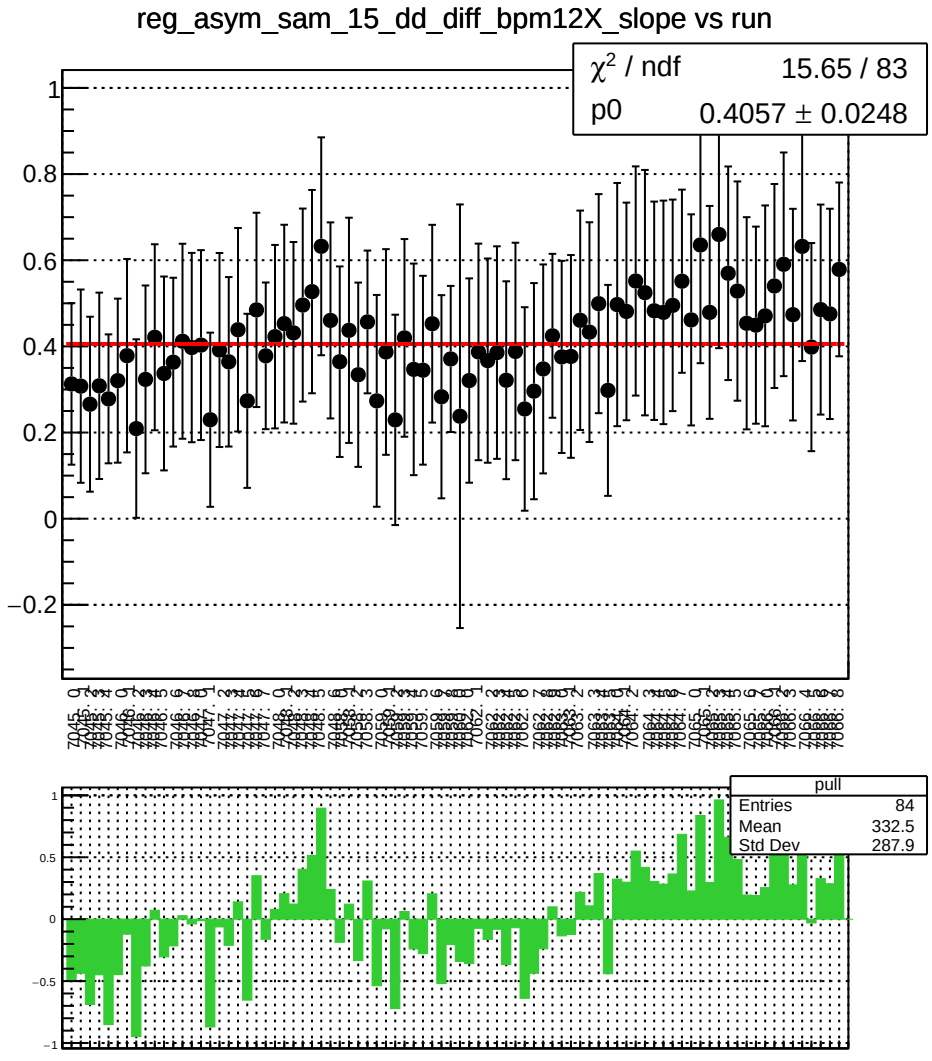

pull1D
Entries 84
Mean 0.003195
Std Dev 0.3864

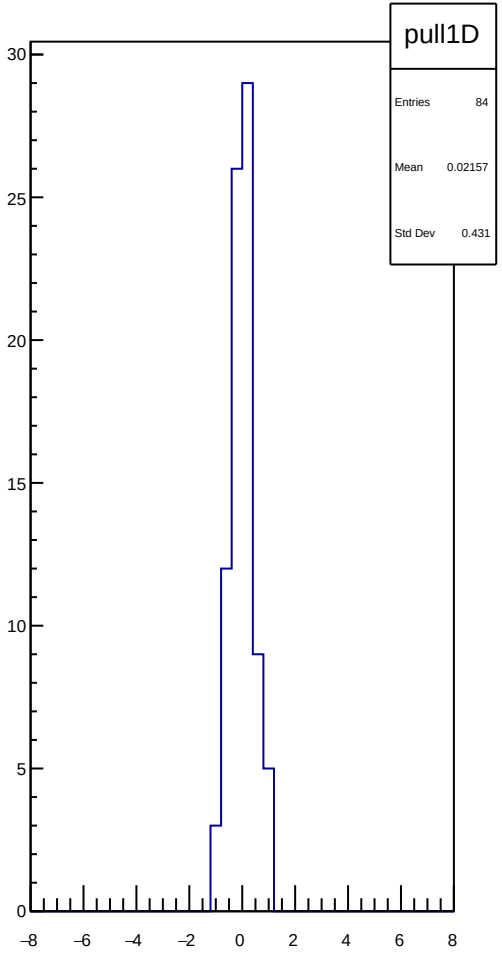

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.32 / 83
p0 −13.62 ± 0.6683
pull
Entries 84
Mean 3111
Std Dev 3068

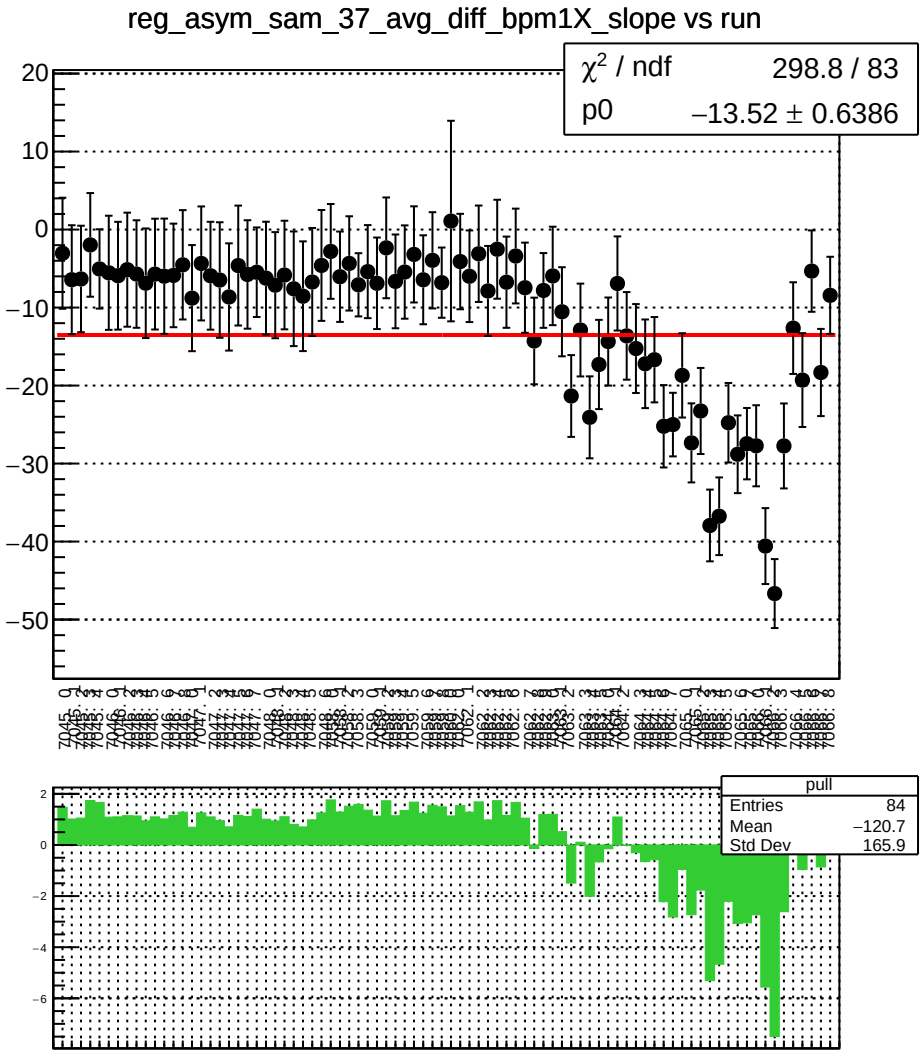

pull1D
Entries 84
Mean −0.003072
Std Dev 0.4918

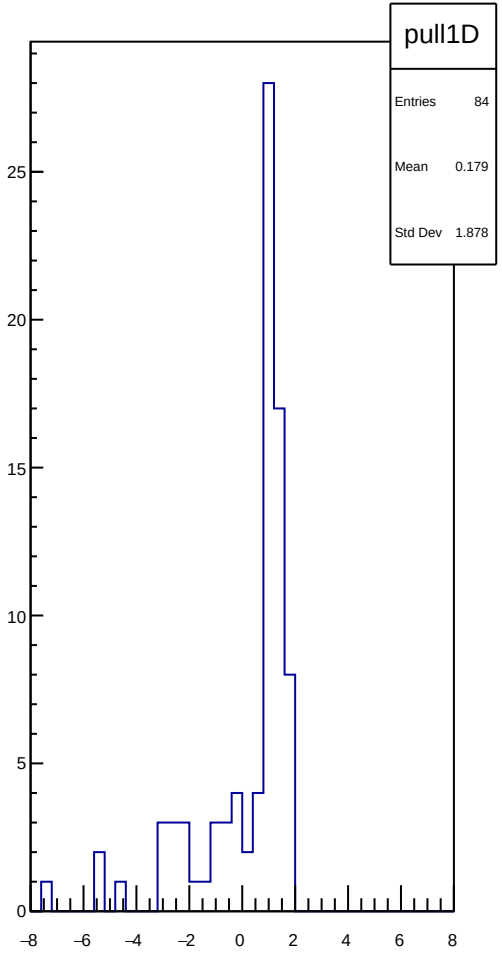

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.23 / 83
p0 −41.58 ± 0.5239
pull
Entries 84
Mean −39.48
Std Dev 120

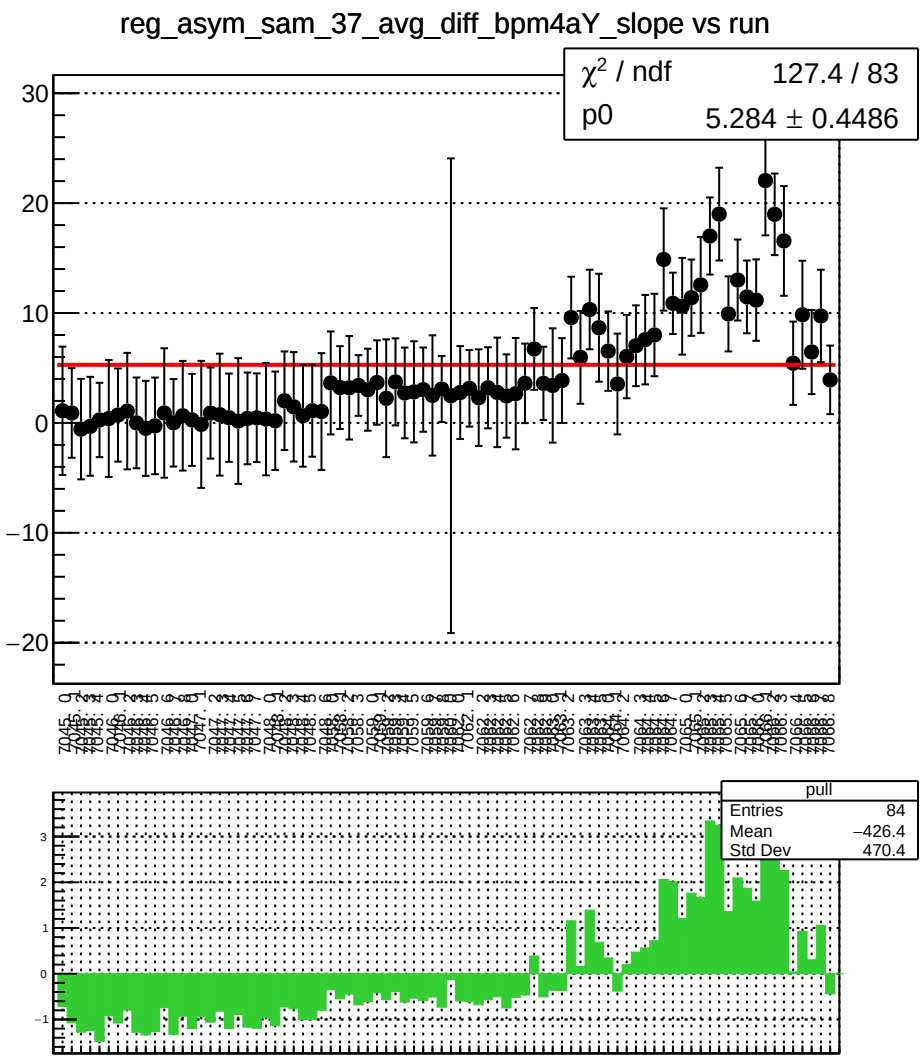

pull1D
Entries 84
Mean −0.01107
Std Dev 0.3655

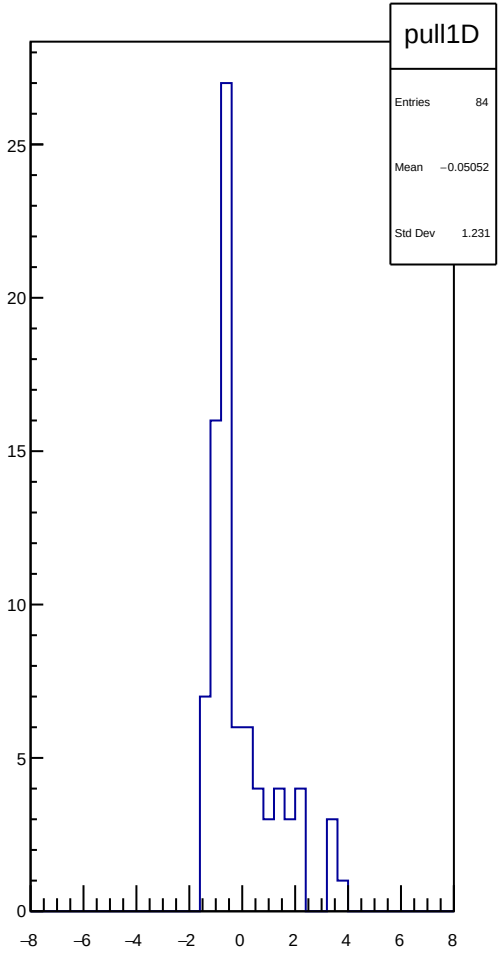

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 15.65 / 83
p0 0.4057 ± 0.0248
pull
Entries 84
Mean 332.5
Std Dev 287.9

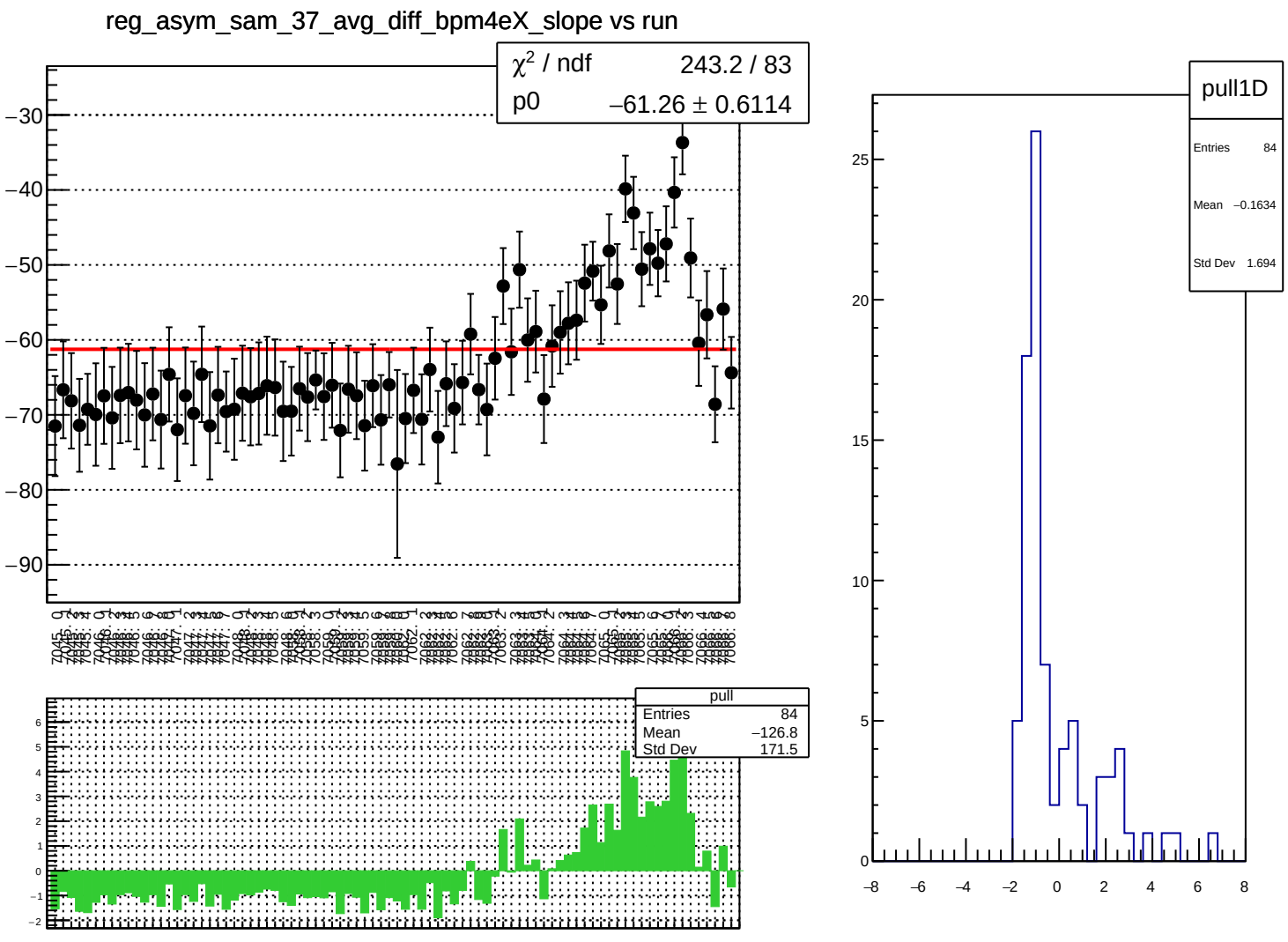

pull1D
Entries 84
Mean 0.02157
Std Dev 0.431

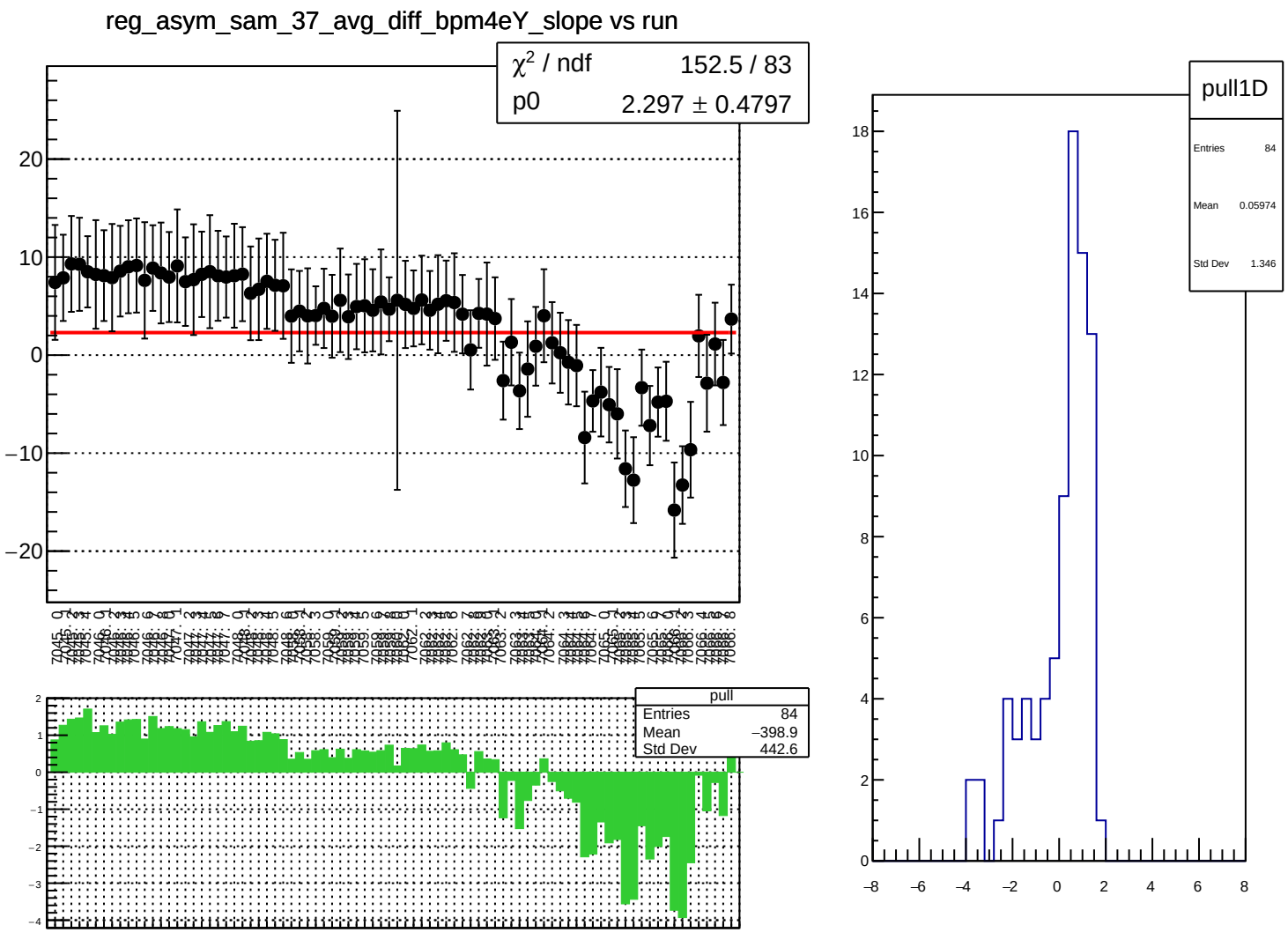

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 298.8 / 83
p0 −13.52 ± 0.6386
pull
Entries 84
Mean −120.7
Std Dev 165.9

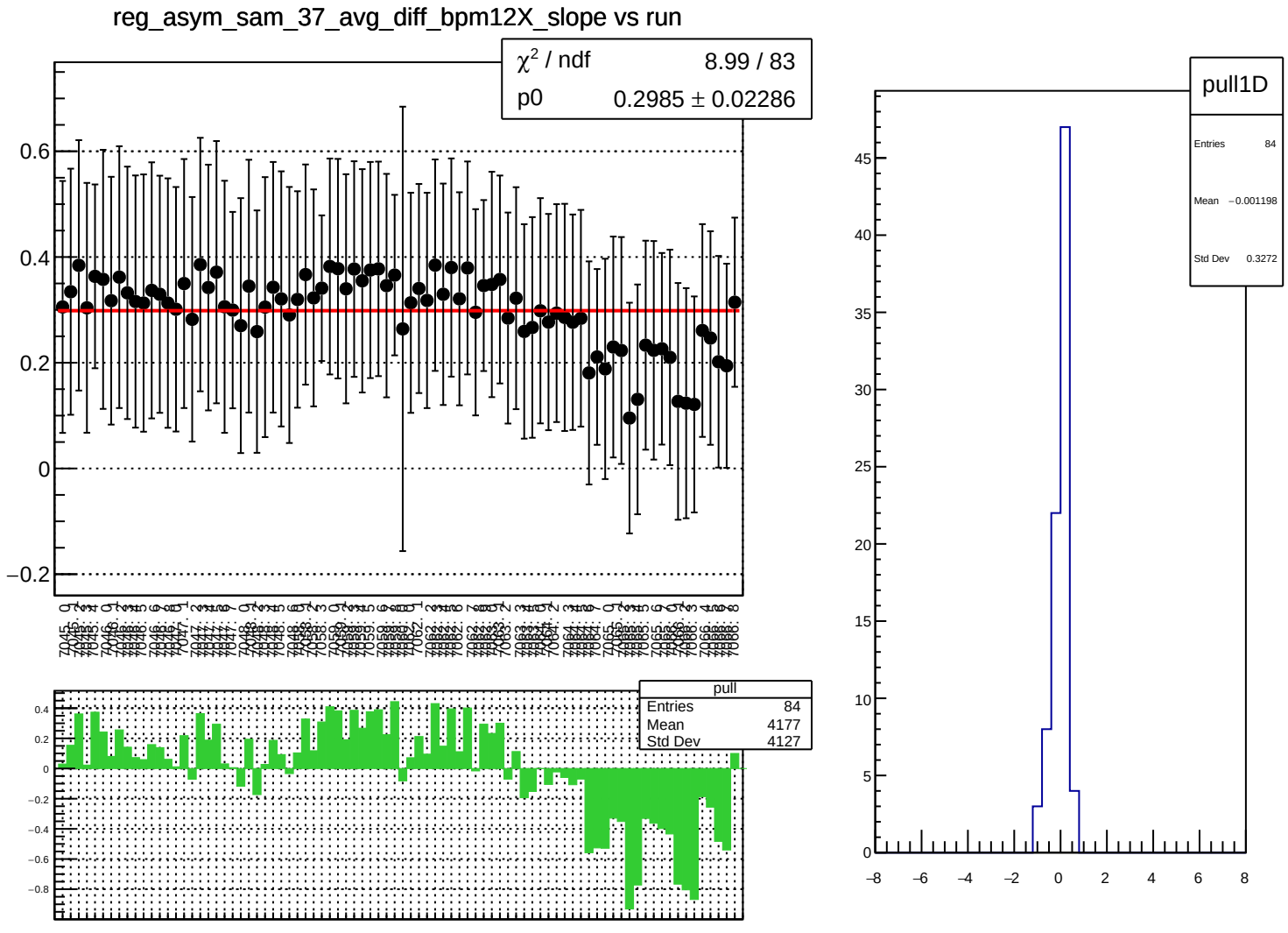

pull1D
Entries 84
Mean 0.179
Std Dev 1.878

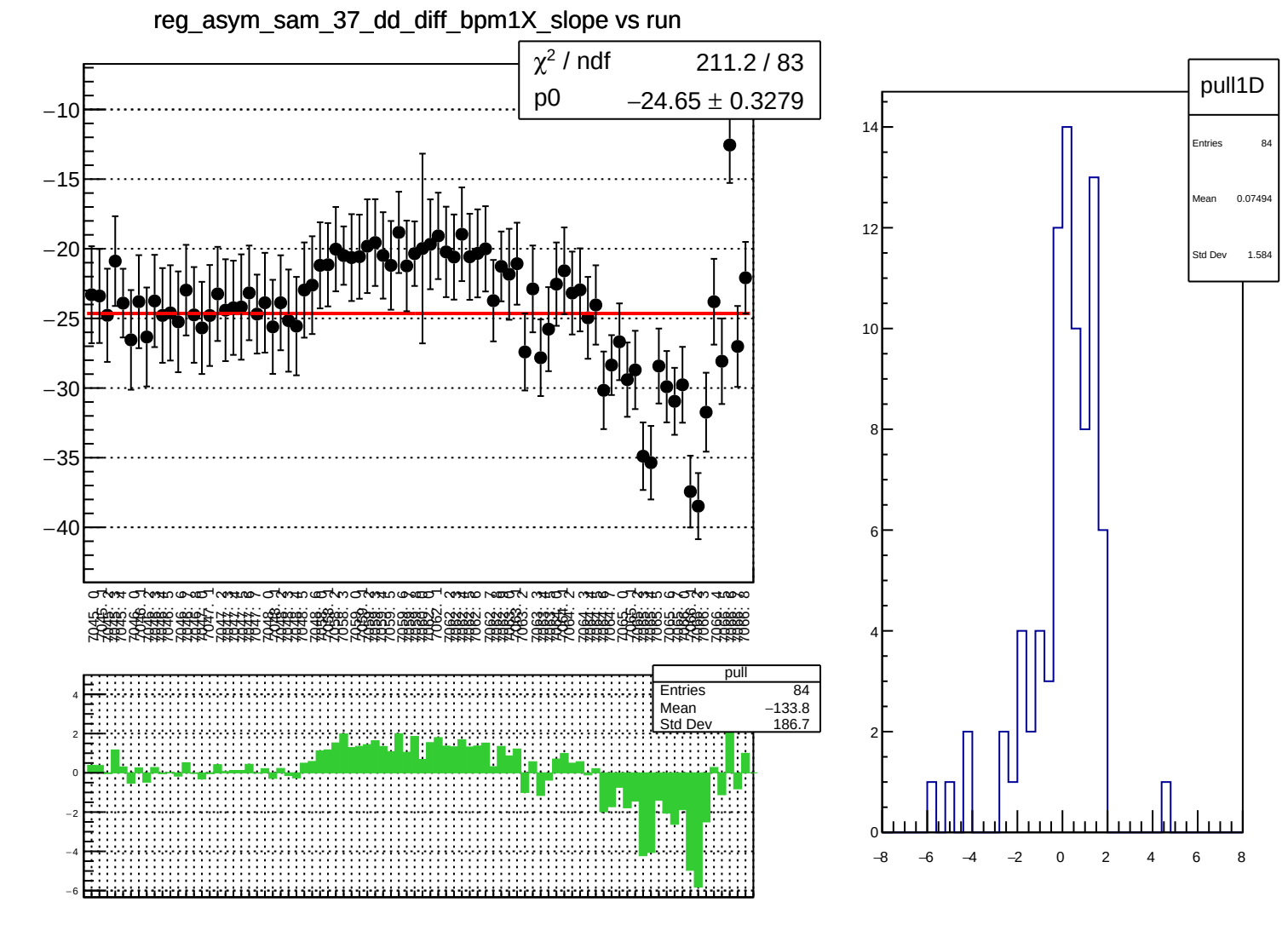

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 127.4 / 83
p0 5.284 ± 0.4486
pull
Entries 84
Mean −426.4
Std Dev 470.4

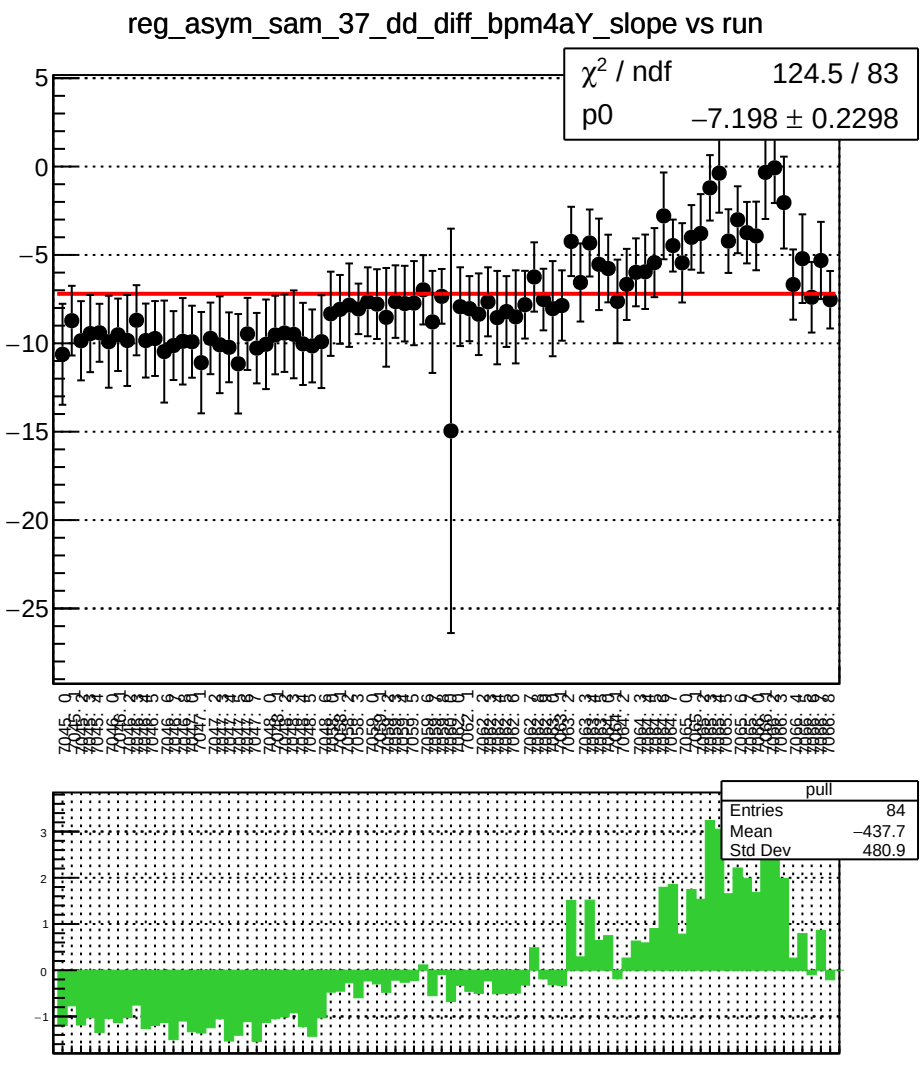

pull1D
Entries 84
Mean −0.05052
Std Dev 1.231

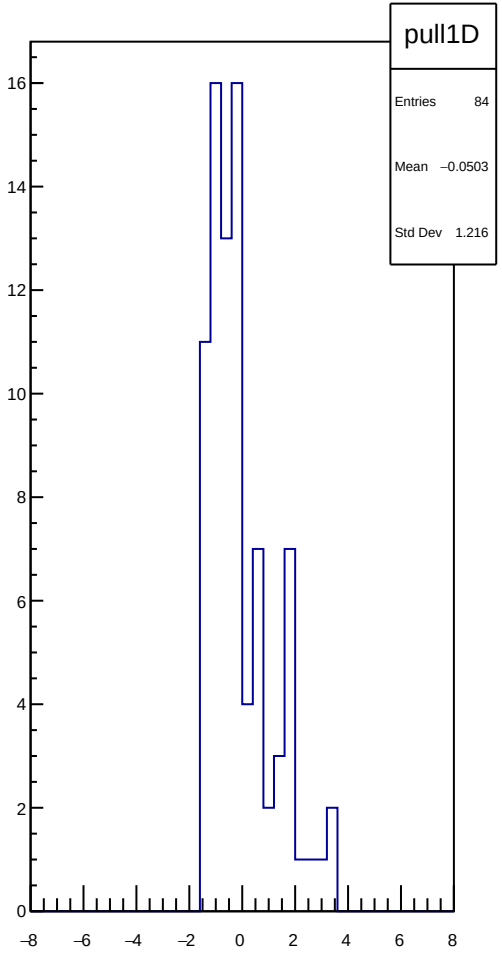

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 243.2 / 83
p0 −61.26 ± 0.6114
pull
Entries 84
Mean −126.8
Std Dev 171.5
pull1D
Entries 84
Mean −0.1634
Std Dev 1.694

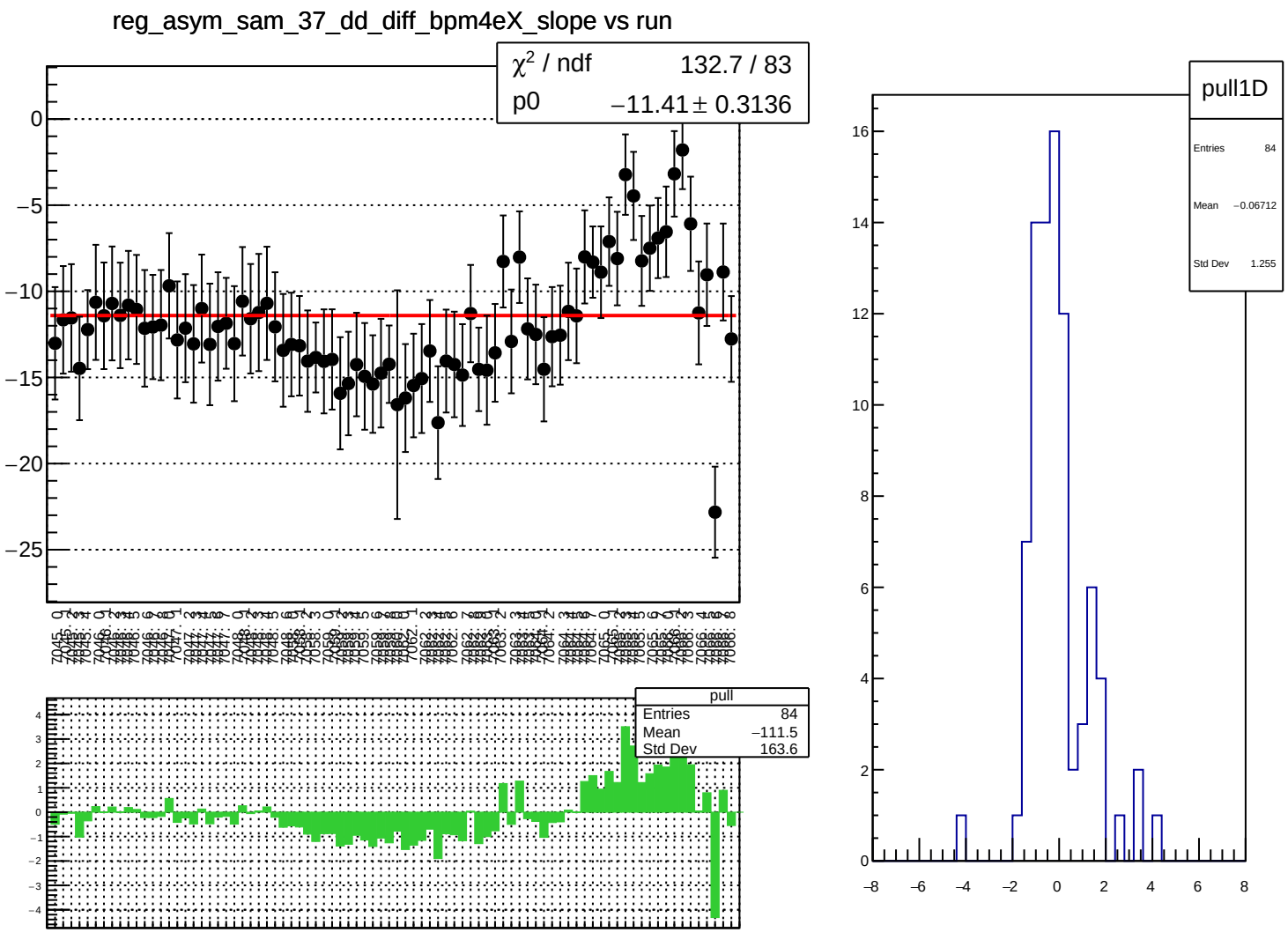

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 152.5 / 83
p0 2.297 ± 0.4797
pull
Entries 84
Mean −398.9
Std Dev 442.6
pull1D
Entries 84
Mean 0.05974
Std Dev 1.346

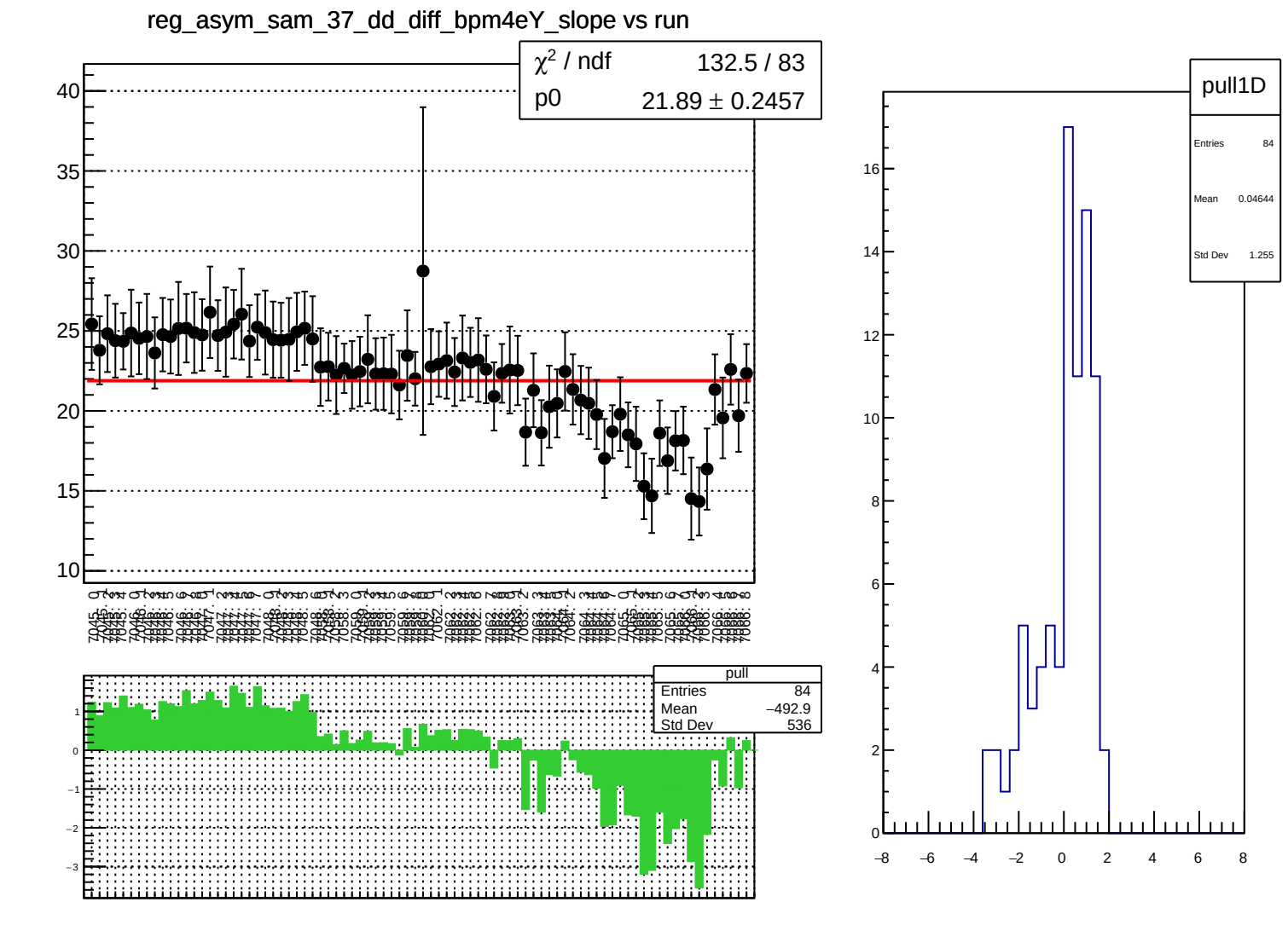

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 8.99 / 83
p0 0.2985 ± 0.02286
pull
Entries 84
Mean 4177
Std Dev 4127
pull1D
Entries 84
Mean −0.001198
Std Dev 0.3272

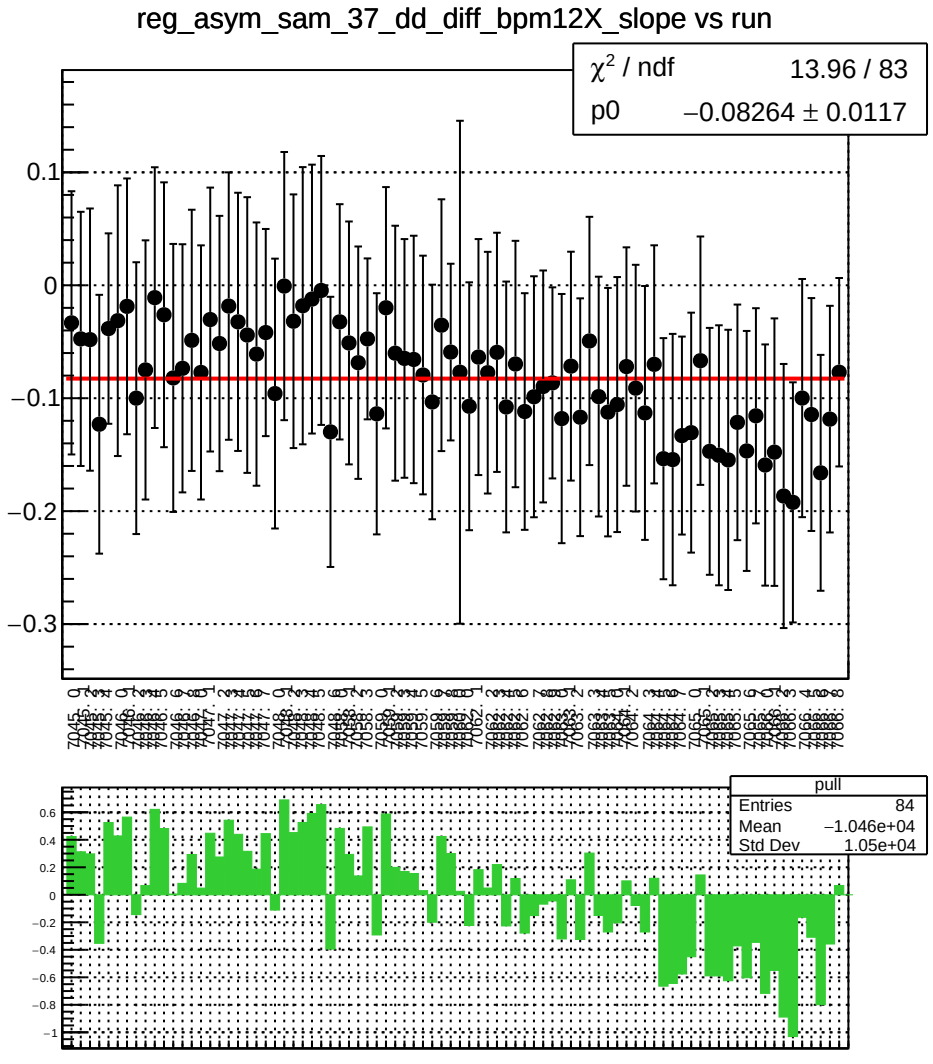

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 211.2 / 83
p0 −24.65 ± 0.3279
pull
Entries 84
Mean −133.8
Std Dev 186.7
pull1D
Entries 84
Mean 0.07494
Std Dev 1.584

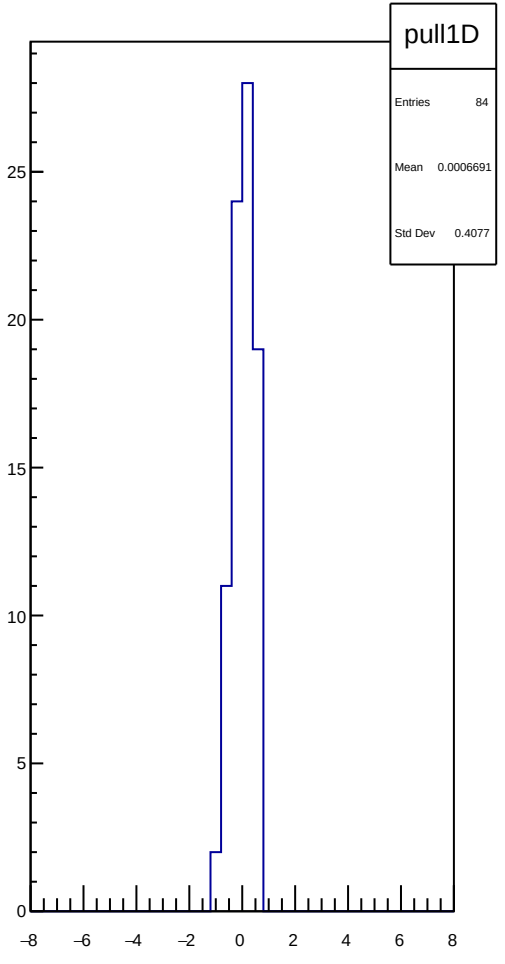

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 124.5 / 83
p0 −7.198 ± 0.2298
pull
Entries 84
Mean −437.7
Std Dev 480.9

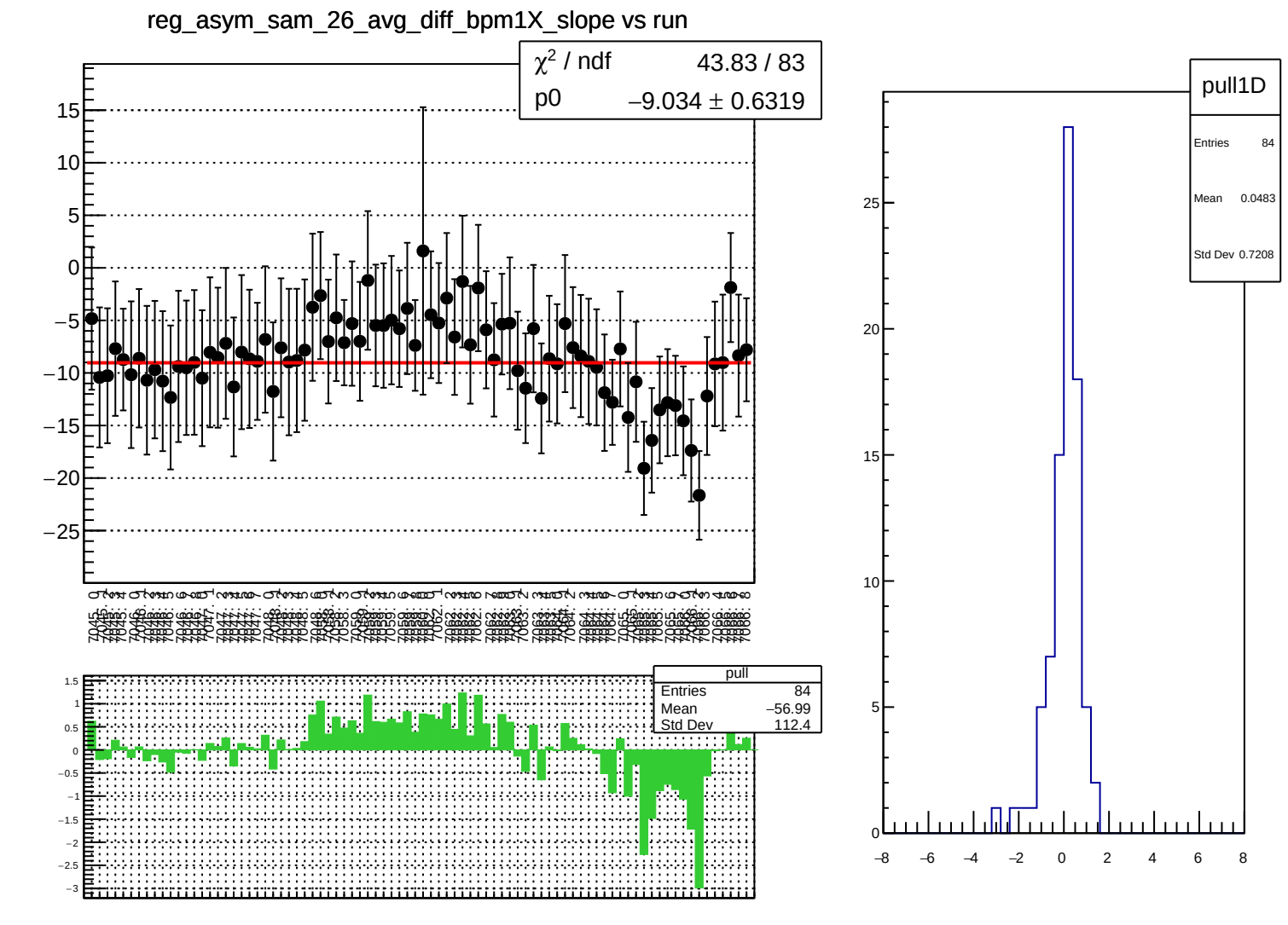

pull1D
Entries 84
Mean −0.0503
Std Dev 1.216

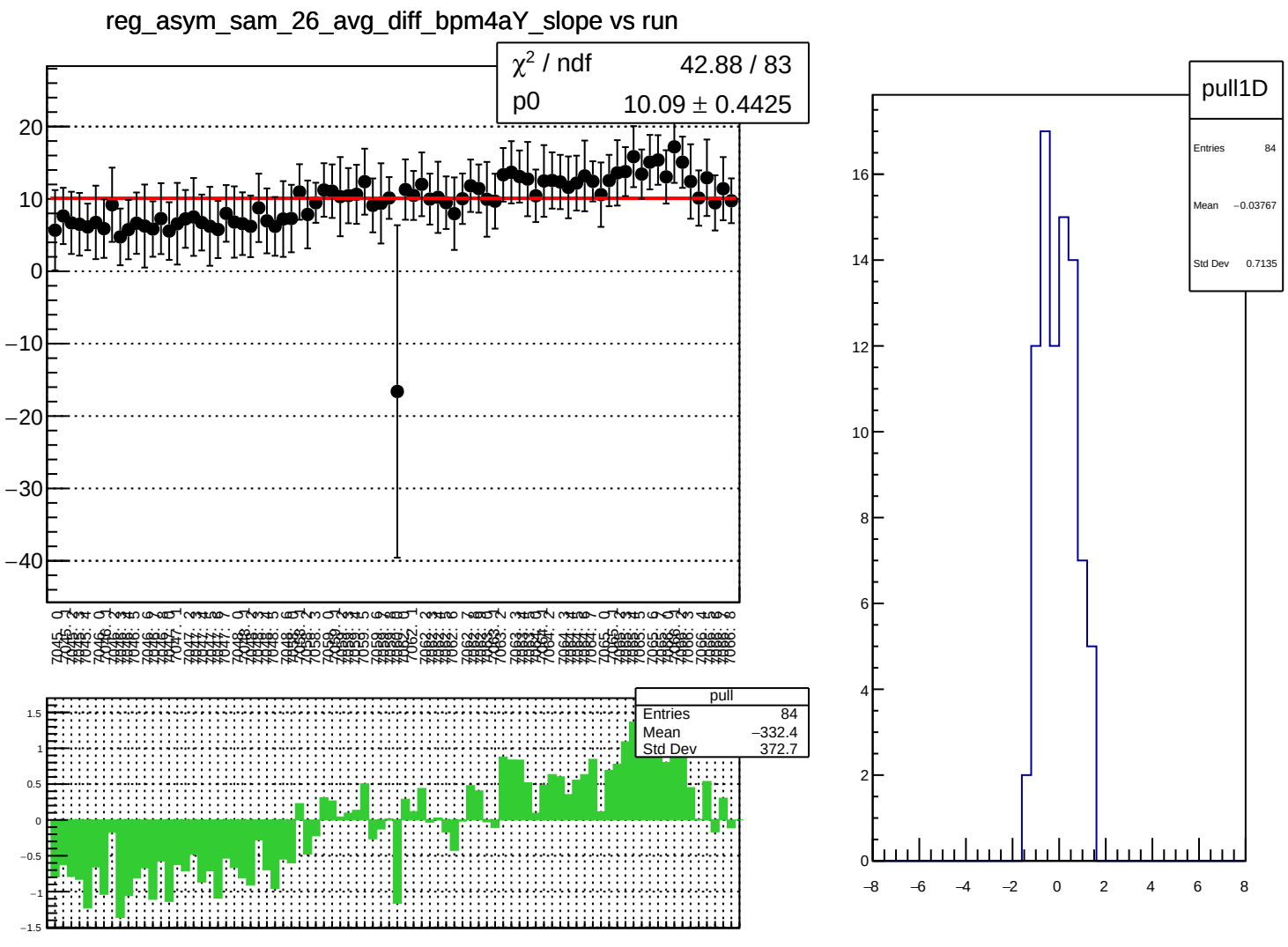

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 132.7 / 83
p0 −11.41 ± 0.3136
0
−5
−10
−15
−20
−25
pull
Entries 84
Mean −111.5
Std Dev 163.6
4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 84
Mean −0.06712
Std Dev 1.255
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

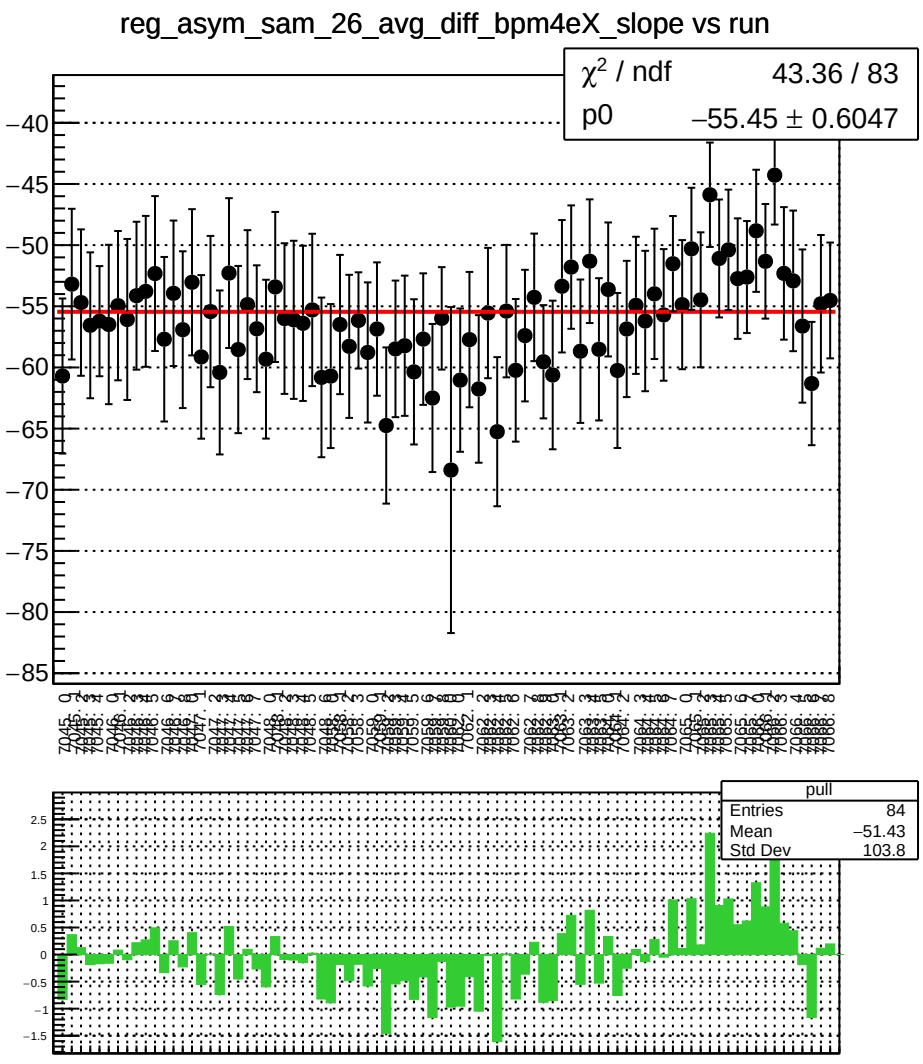

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 132.5 / 83
p0 21.89 ± 0.2457
pull
Entries 84
Mean −492.9
Std Dev 536
pull1D
Entries 84
Mean 0.04644
Std Dev 1.255

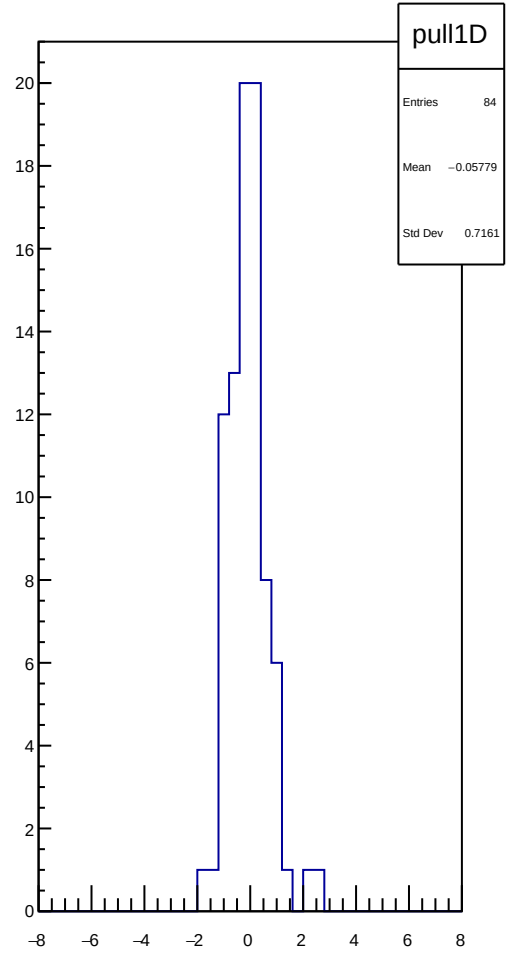

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 13.96 / 83
p0 −0.08264 ± 0.0117
0.1
0
−0.1
−0.2
−0.3
pull
Entries 84
Mean −1.046e+04
Std Dev 1.05e+04
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

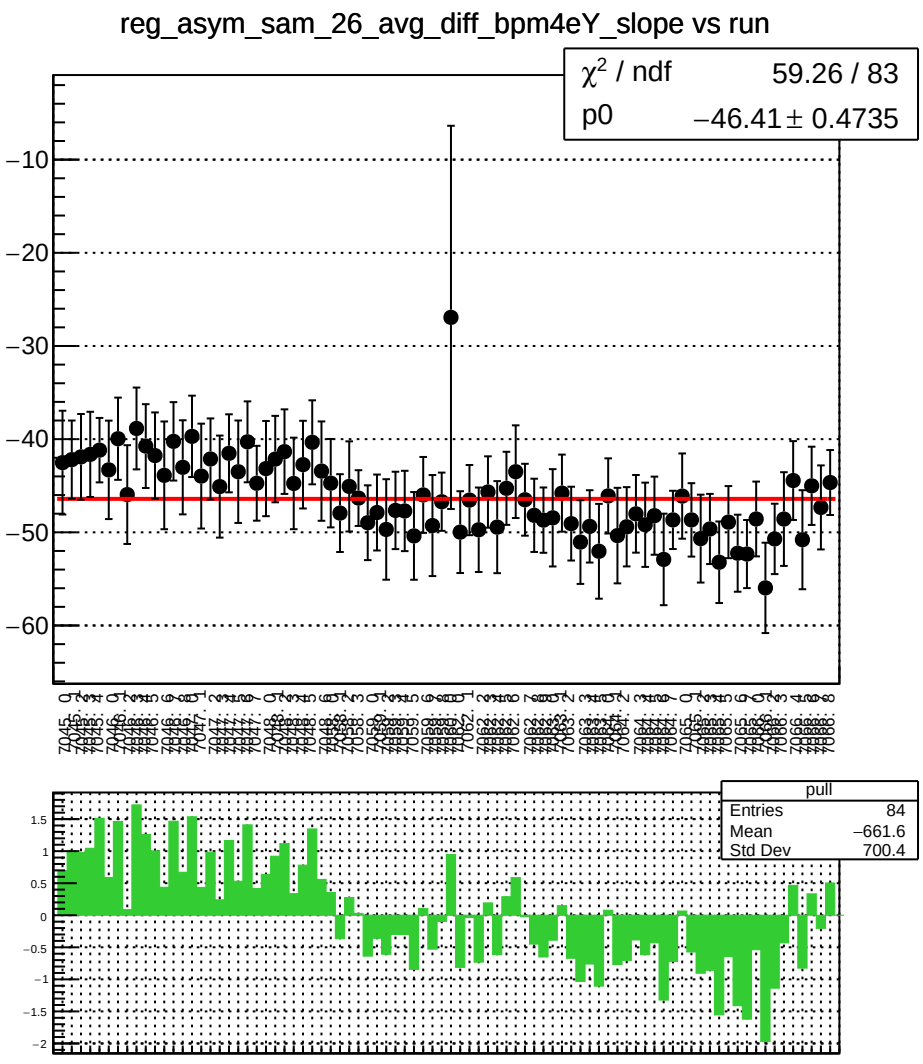

pull1D
Entries 84
Mean 0.0006691
Std Dev 0.4077
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

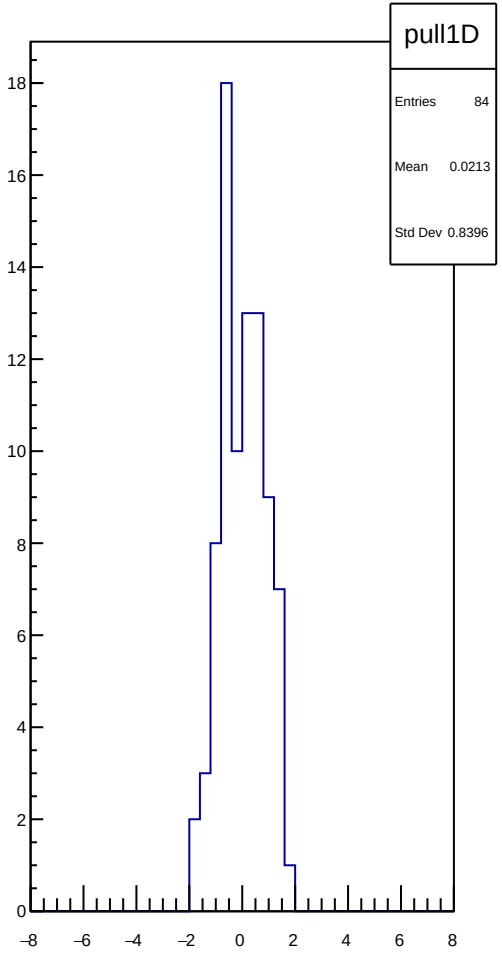

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 43.83 / 83
p0 −9.034 ± 0.6319
pull
Entries 84
Mean −56.99
Std Dev 112.4
pull1D
Entries 84
Mean 0.0483
Std Dev 0.7208

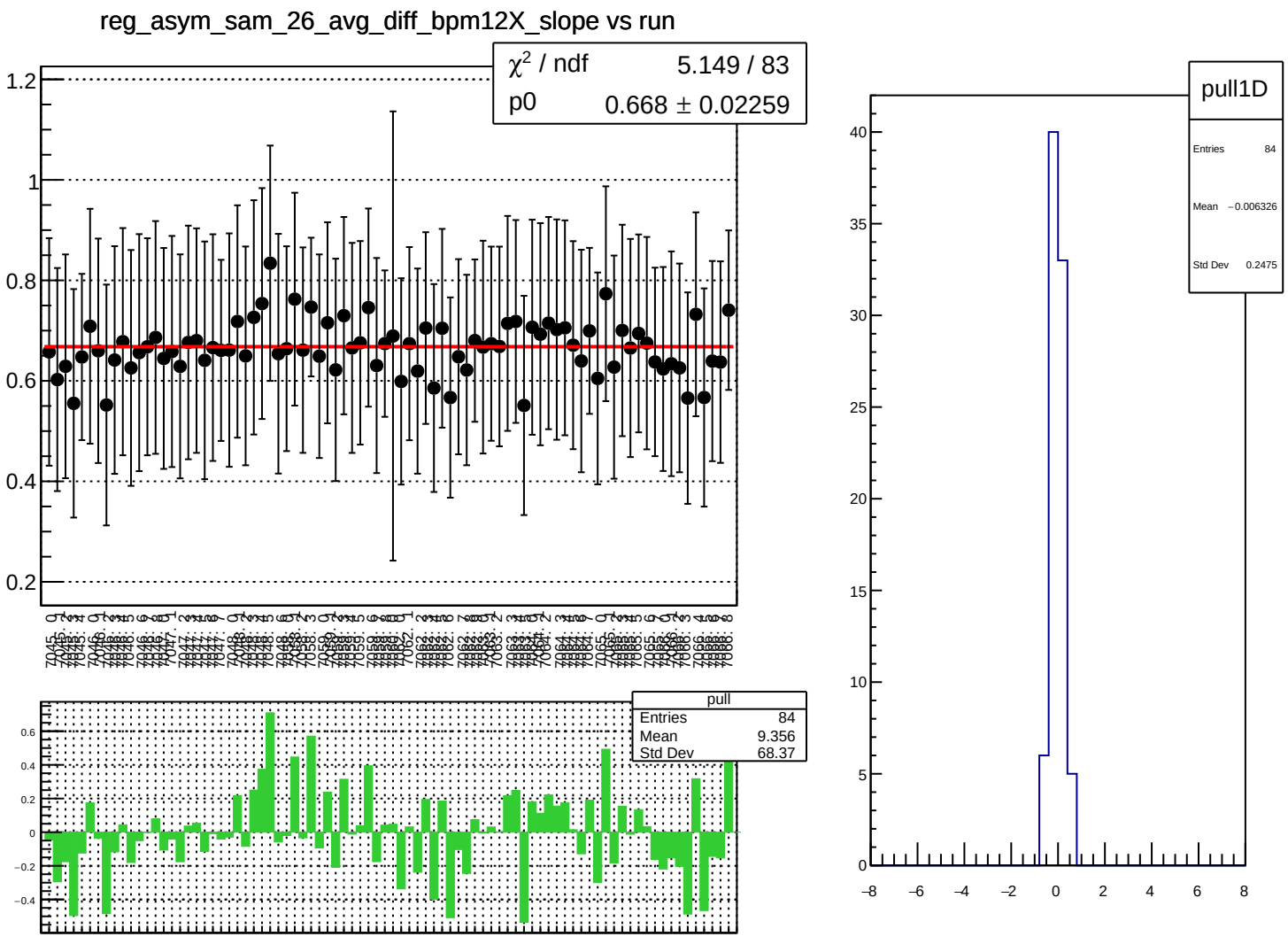

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.88 / 83
p0 10.09 ± 0.4425
pull
Entries 84
Mean −332.4
Std Dev 372.7
pull1D
Entries 84
Mean −0.03767
Std Dev 0.7135

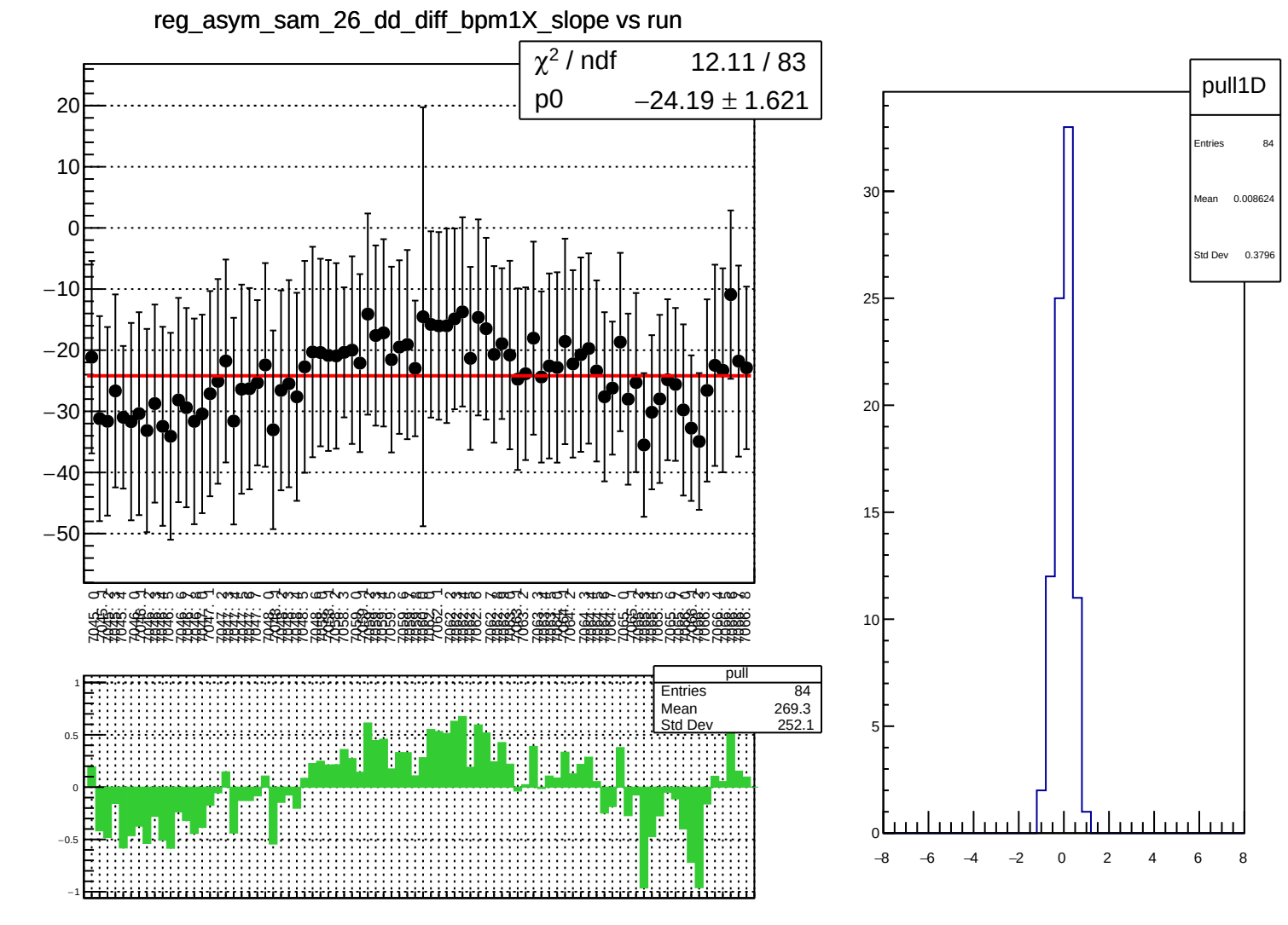

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.36 / 83
p0 −55.45 ± 0.6047
pull
Entries 84
Mean −51.43
Std Dev 103.8

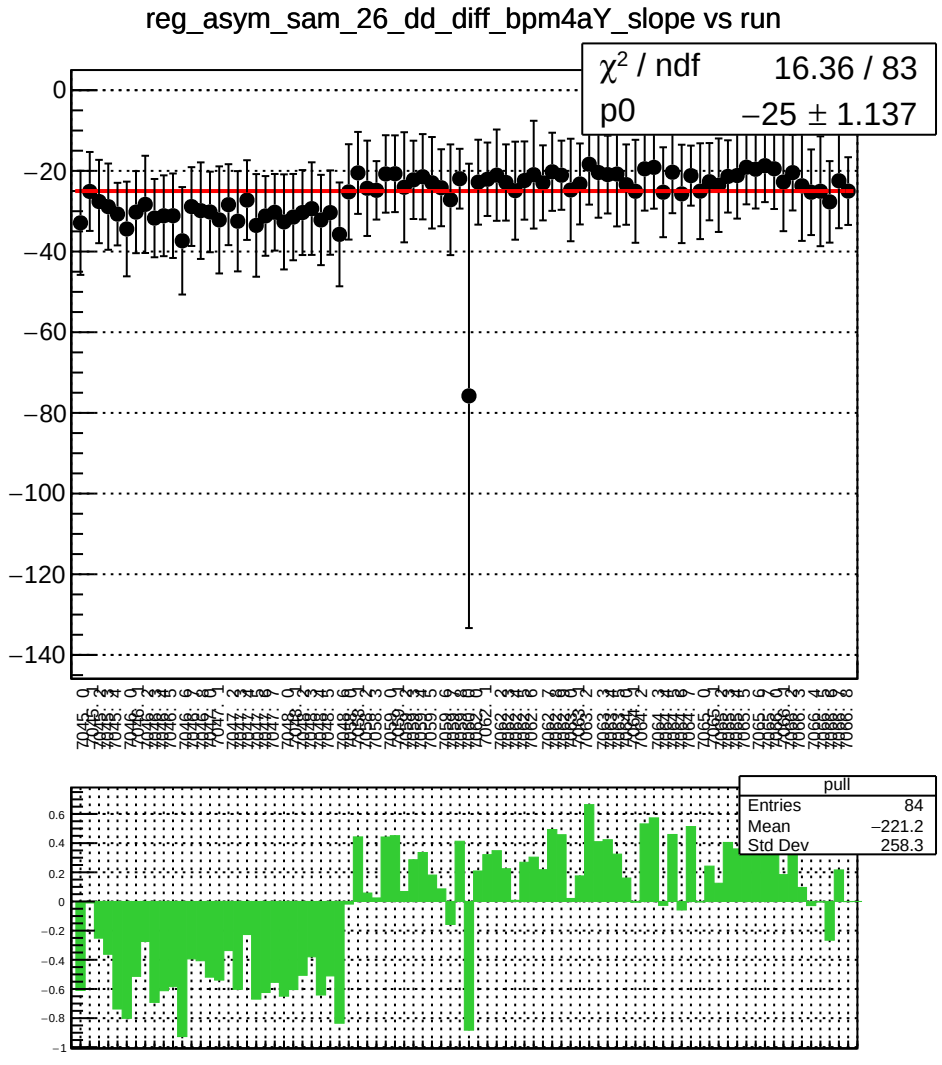

pull1D
Entries 84
Mean −0.05779
Std Dev 0.7161

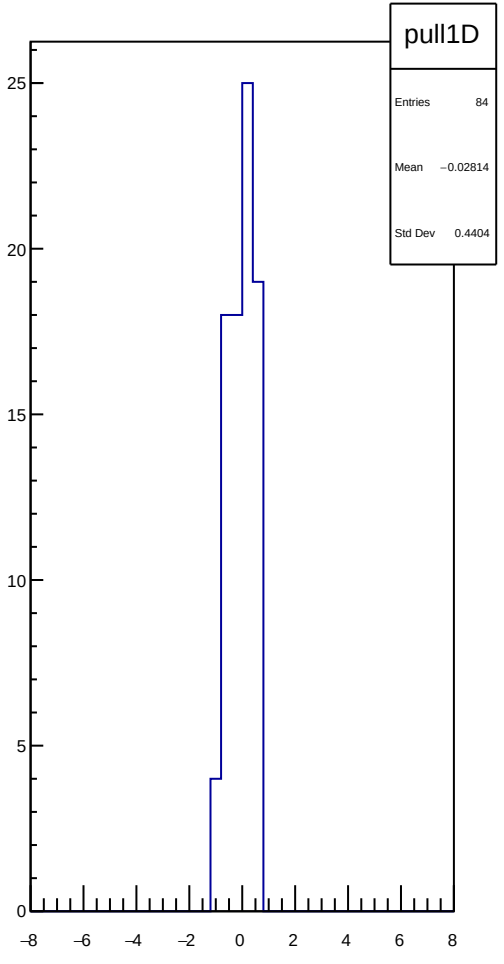

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.26 / 83
p0 −46.41 ± 0.4735
pull
Entries 84
Mean −661.6
Std Dev 700.4

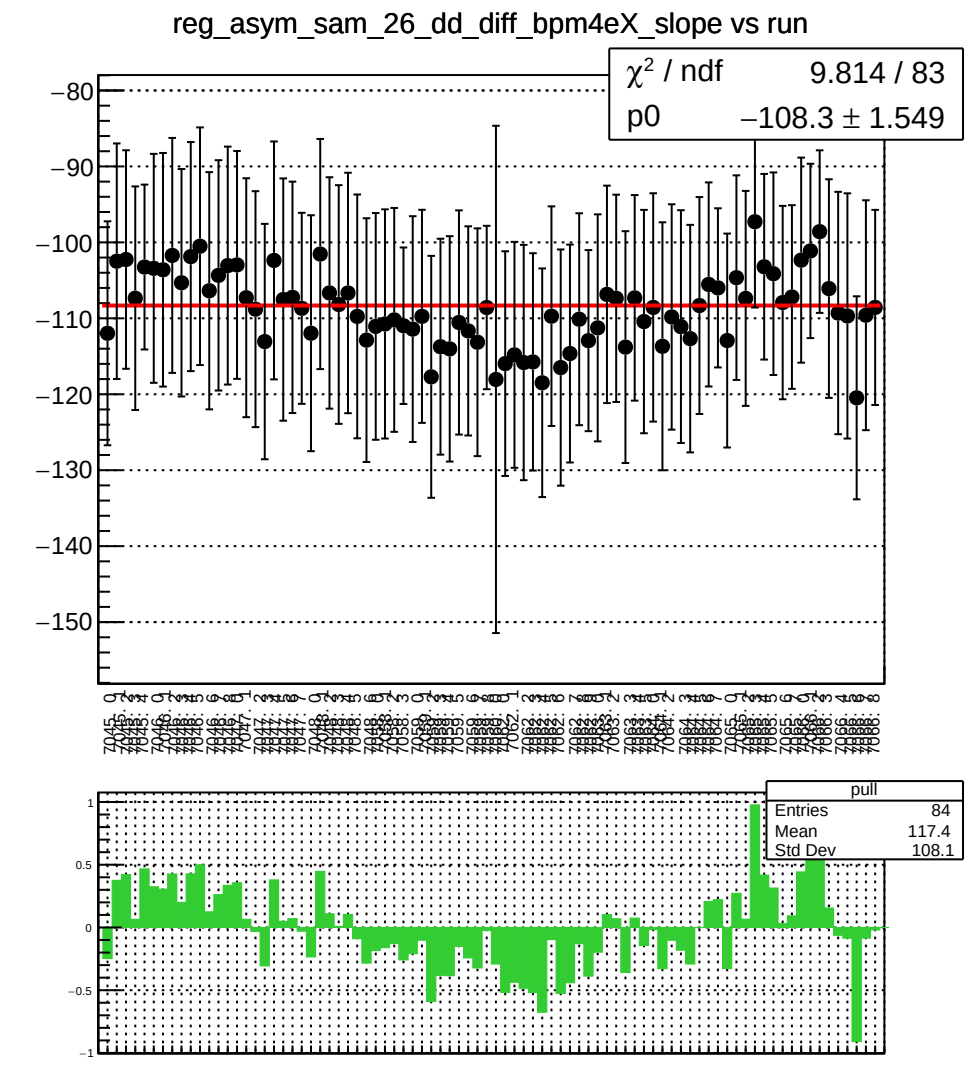

pull1D
Entries 84
Mean 0.0213
Std Dev 0.8396

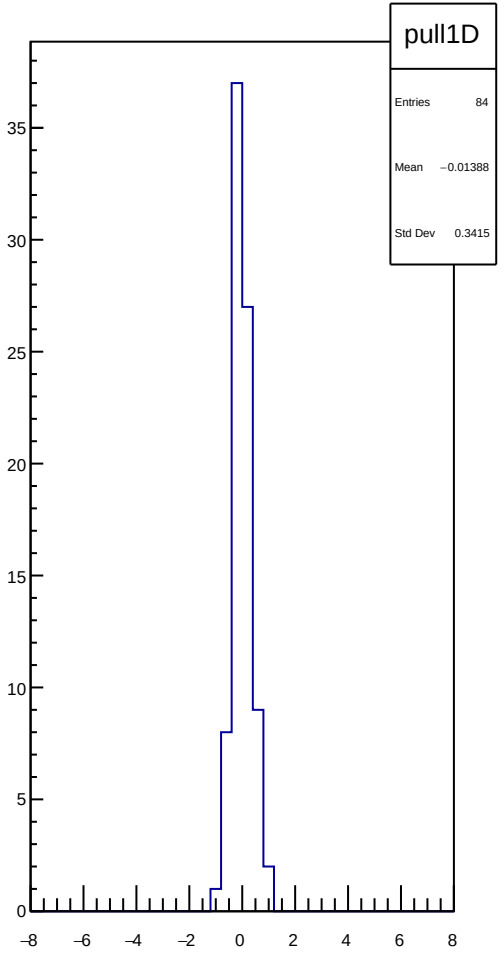

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 5.149 / 83
p0 0.668 ± 0.02259
pull
Entries 84
Mean 9.356
Std Dev 68.37
pull1D
Entries 84
Mean −0.006326
Std Dev 0.2475

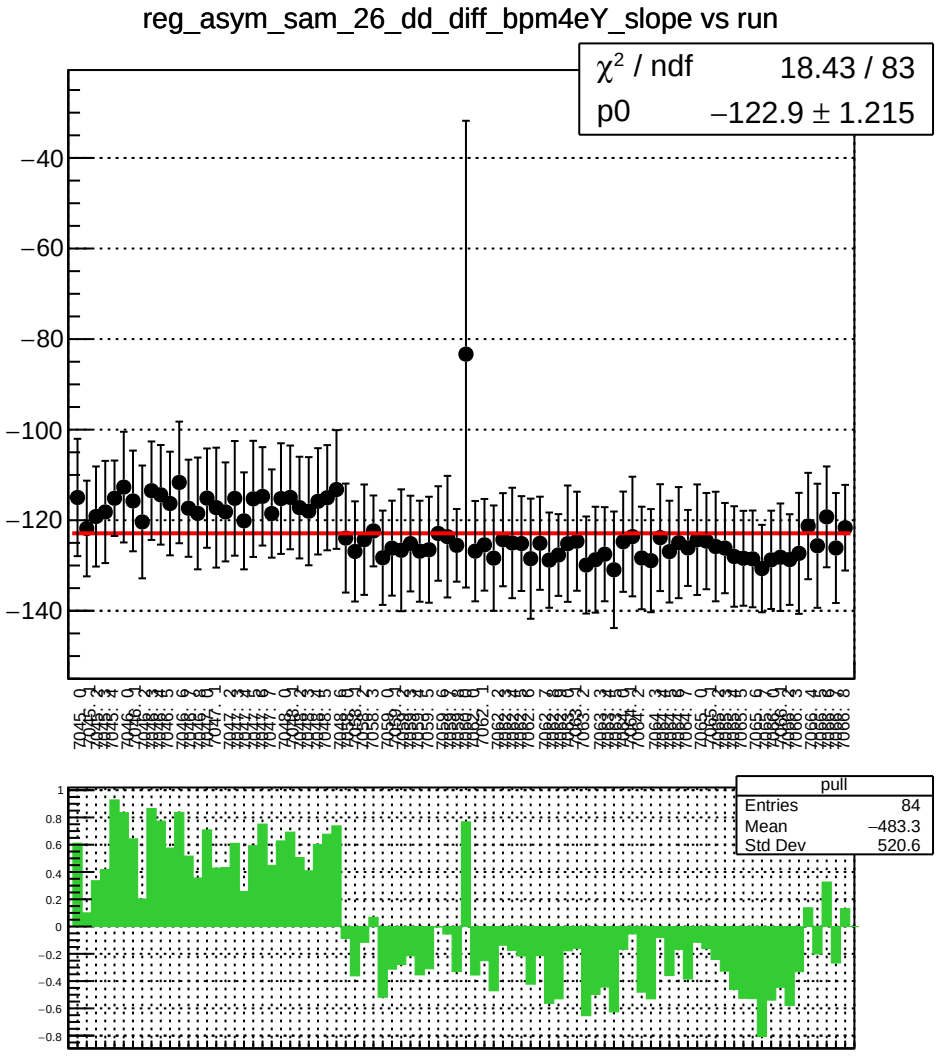

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 12.11 / 83
p0 −24.19 ± 1.621
pull
Entries 84
Mean 269.3
Std Dev 252.1
pull1D
Entries 84
Mean 0.008624
Std Dev 0.3796

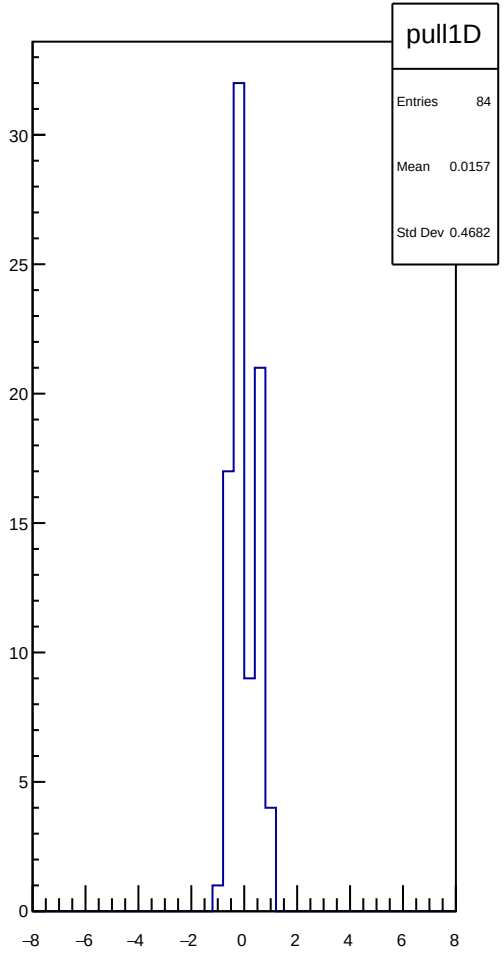

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.36 / 83
p0 −25 ± 1.137
pull
Entries 84
Mean −221.2
Std Dev 258.3

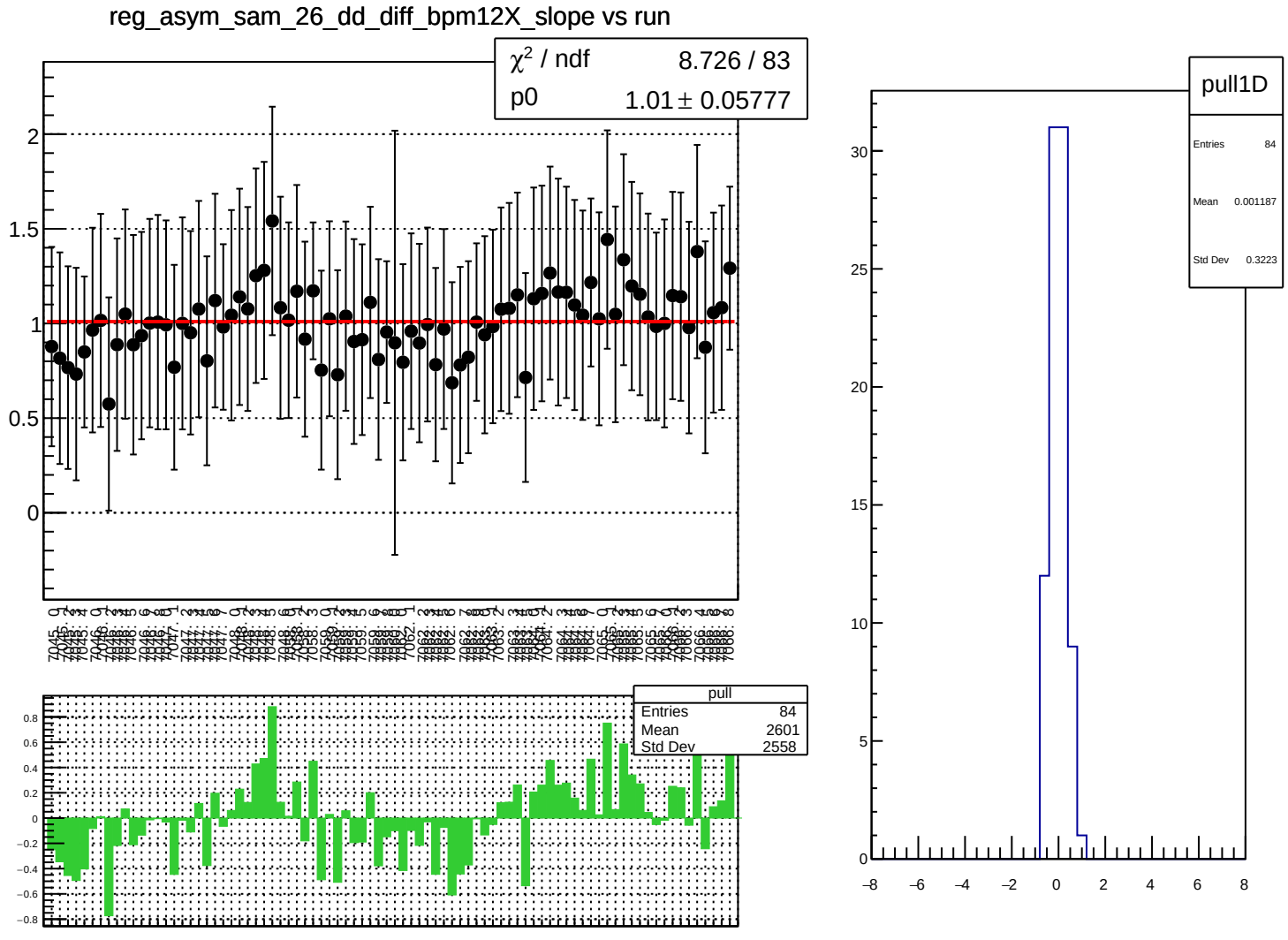

pull1D
Entries 84
Mean −0.02814
Std Dev 0.4404

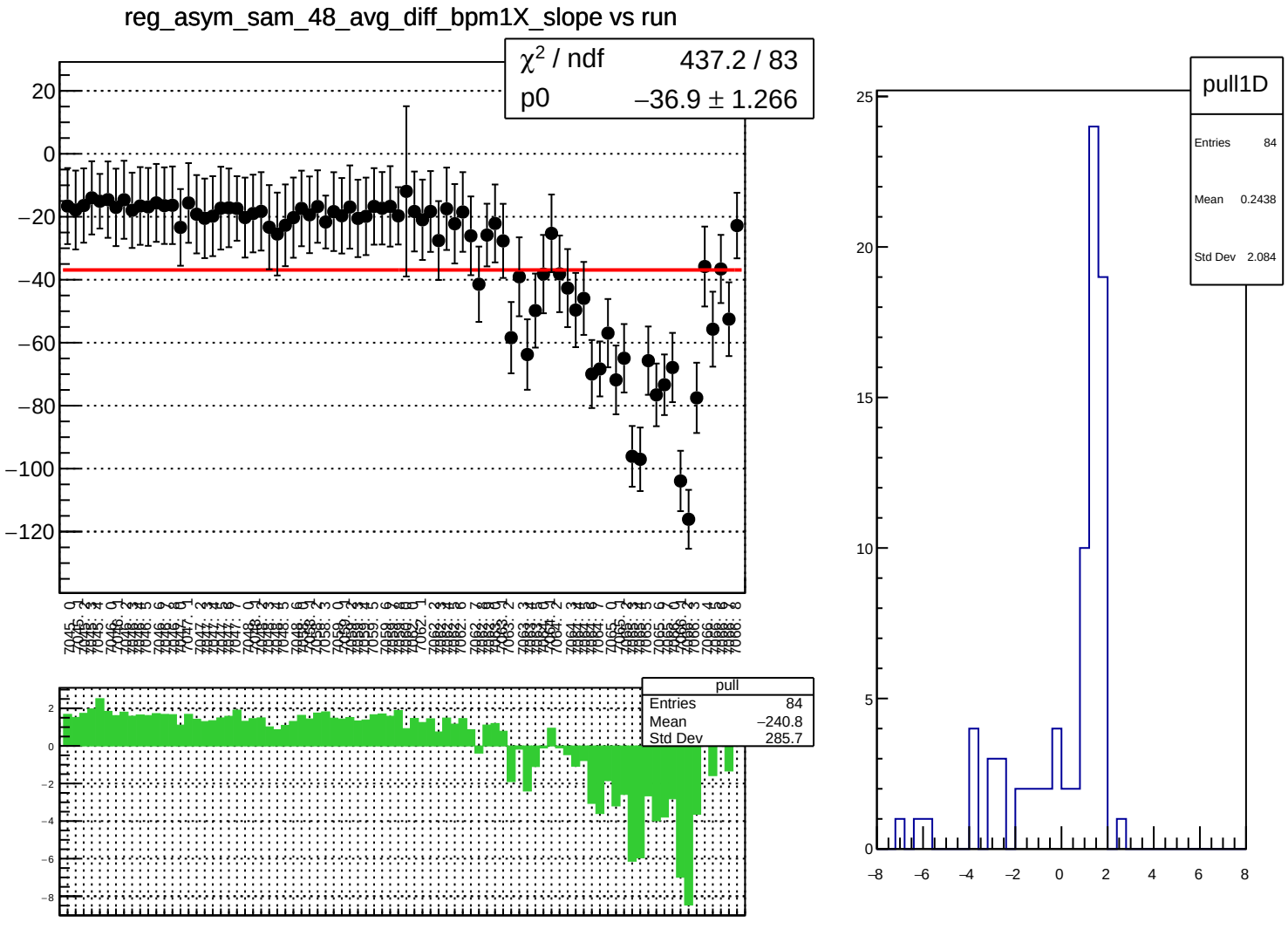

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.814 / 83
p0 −108.3 ± 1.549
pull
Entries 84
Mean 117.4
Std Dev 108.1

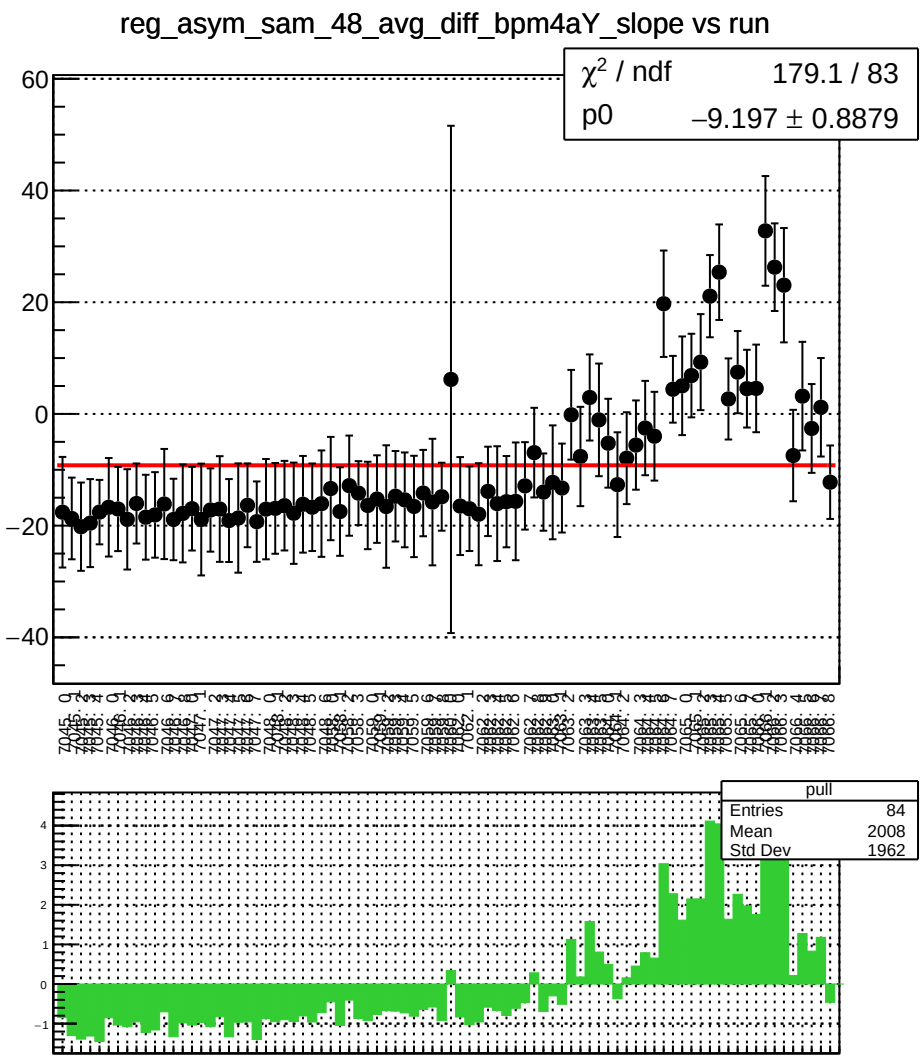

pull1D
Entries 84
Mean −0.01388
Std Dev 0.3415

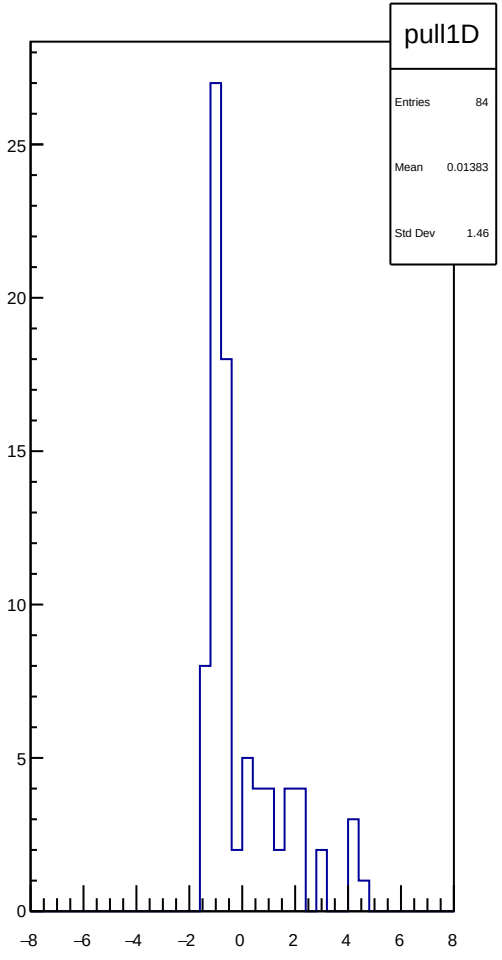

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.43 / 83
p0 −122.9 ± 1.215
−40
−60
−80
−100
−120
−140
pull
Entries 84
Mean −483.3
Std Dev 520.6
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

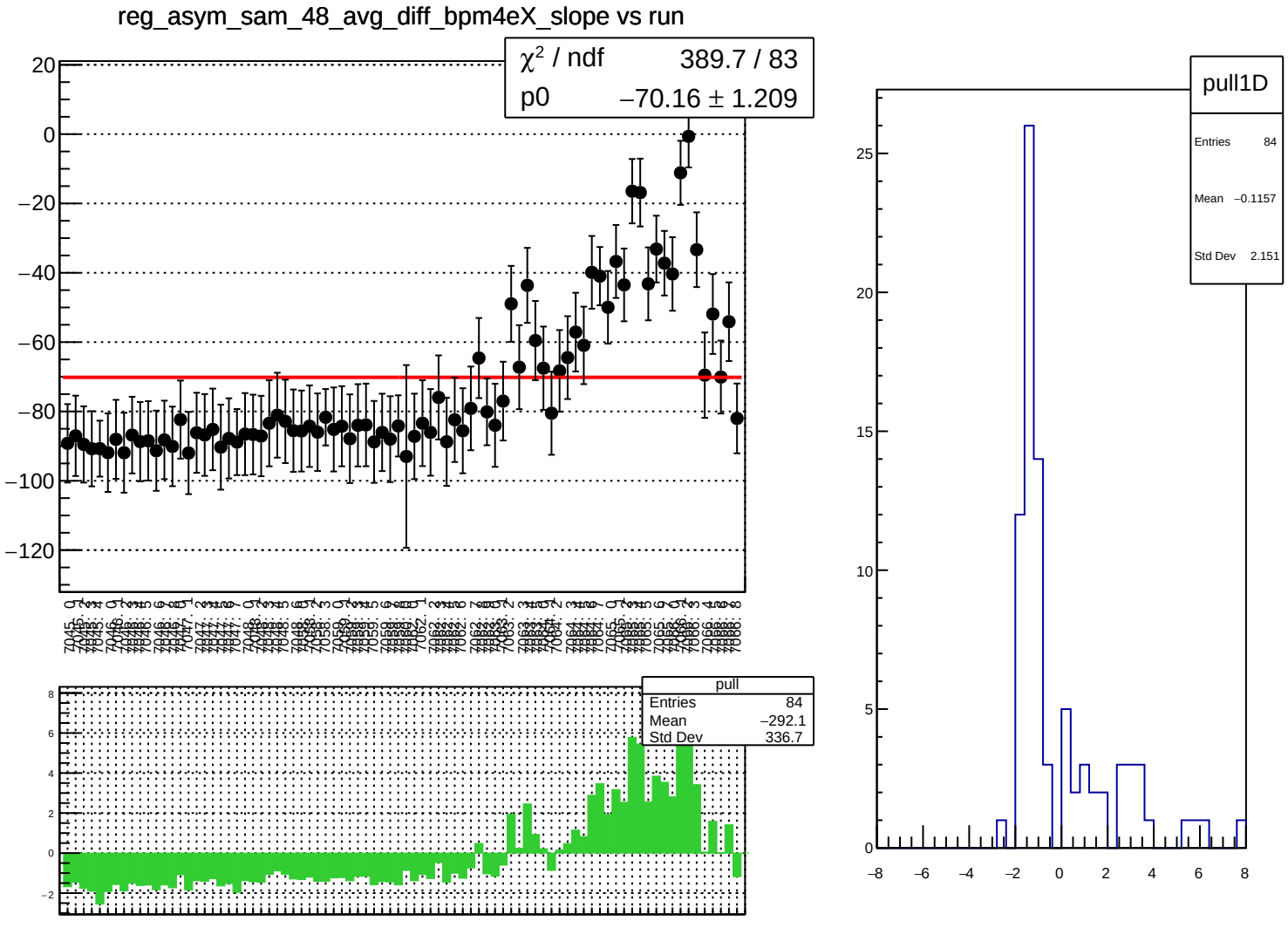

pull1D
Entries 84
Mean 0.0157
Std Dev 0.4682
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

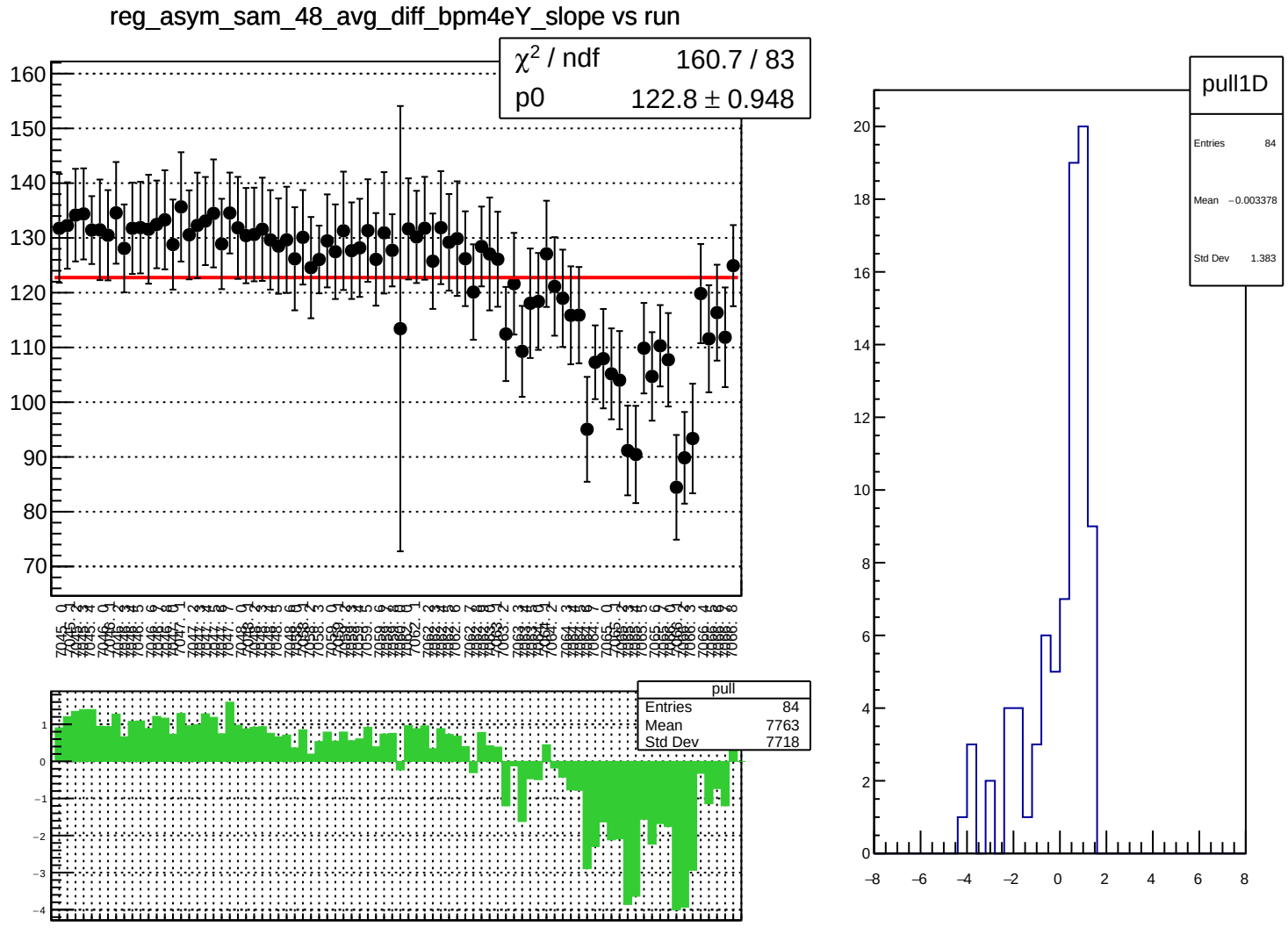

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.726 / 83
p0 1.01 ± 0.05777
pull
Entries 84
Mean 2601
Std Dev 2558
pull1D
Entries 84
Mean 0.001187
Std Dev 0.3223

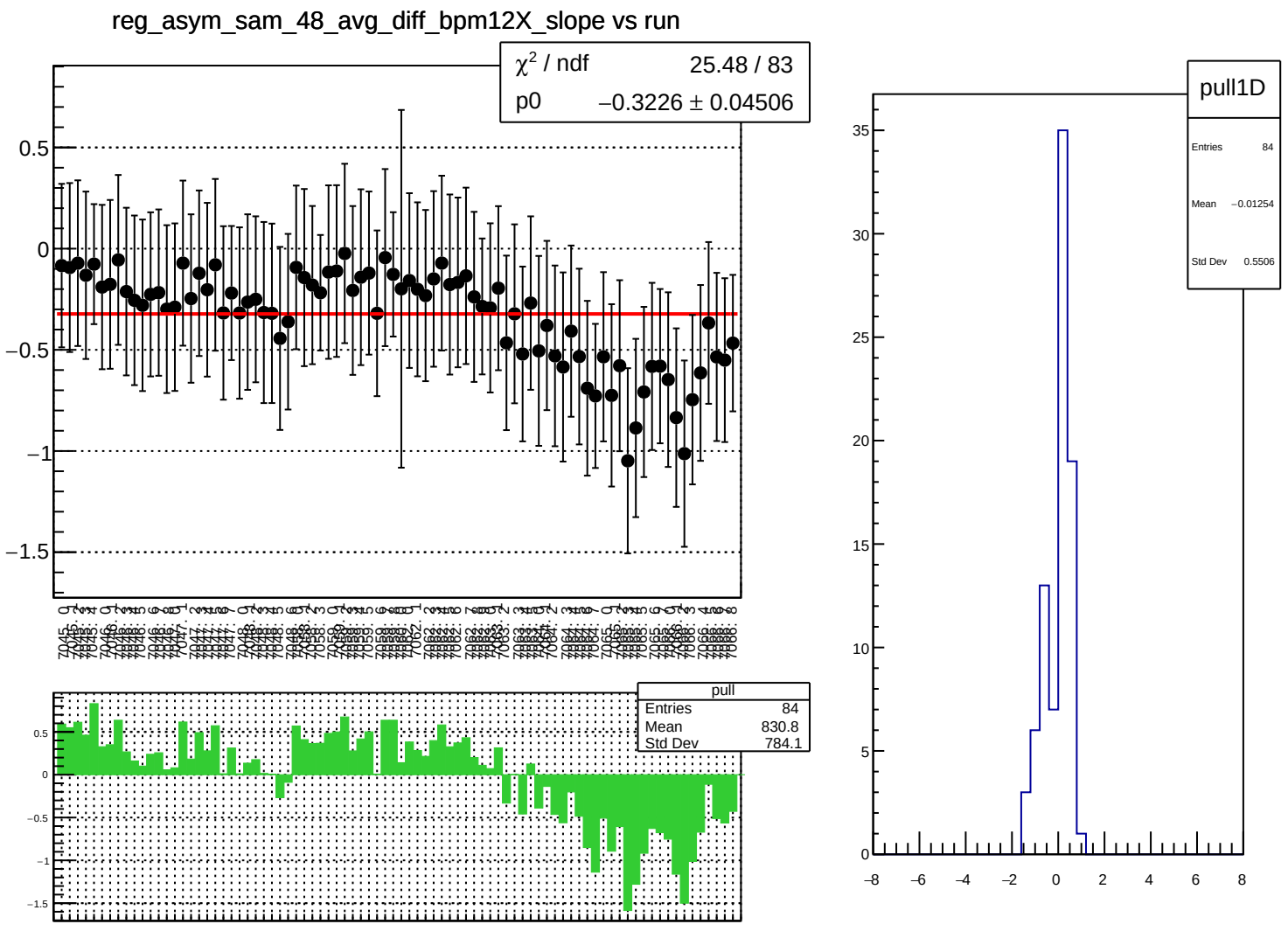

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 437.2 / 83
p0 −36.9 ± 1.266
pull
Entries 84
Mean −240.8
Std Dev 285.7
pull1D
Entries 84
Mean 0.2438
Std Dev 2.084

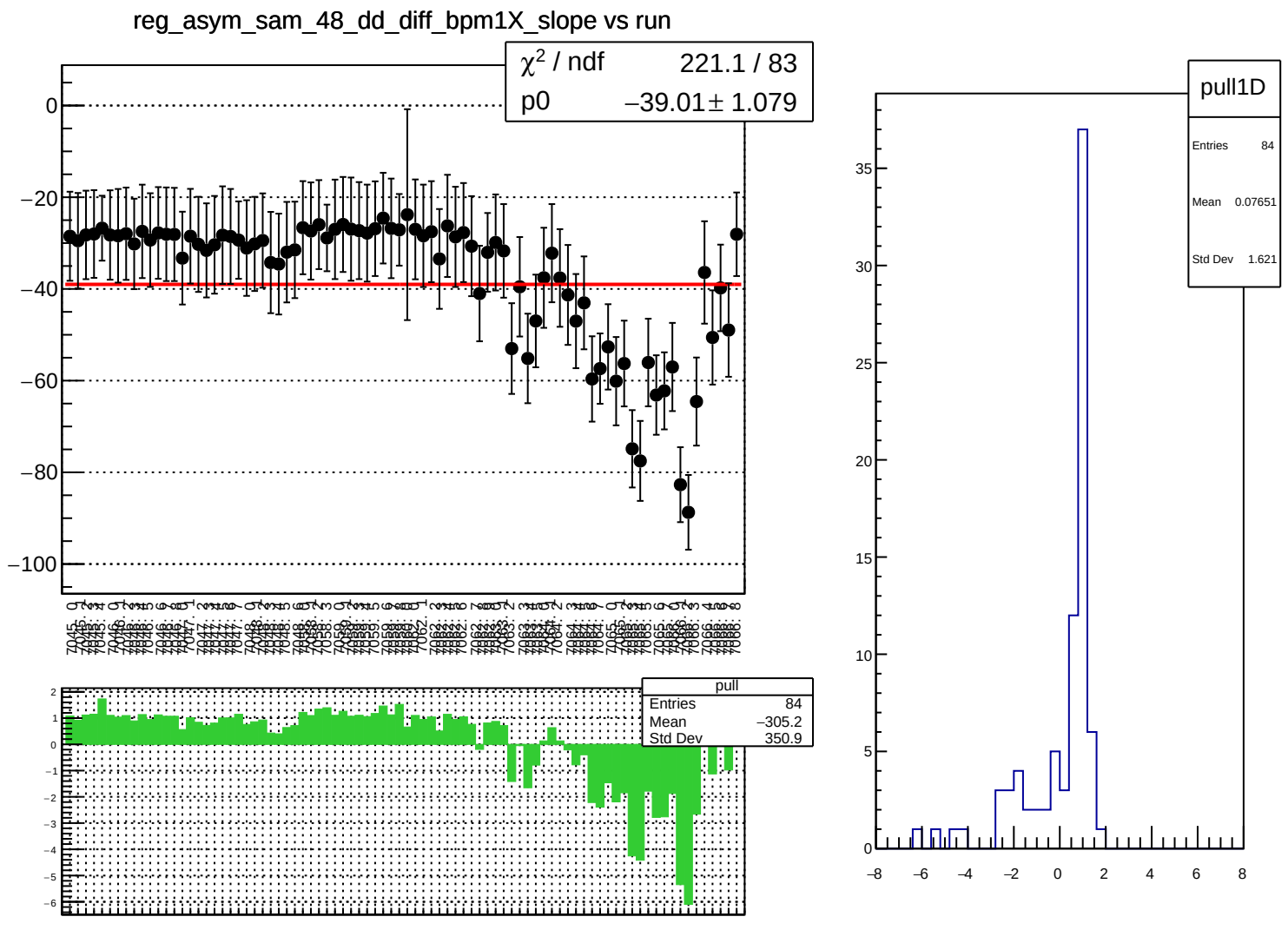

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 179.1 / 83
p0 −9.197 ± 0.8879
pull
Entries 84
Mean 2008
Std Dev 1962

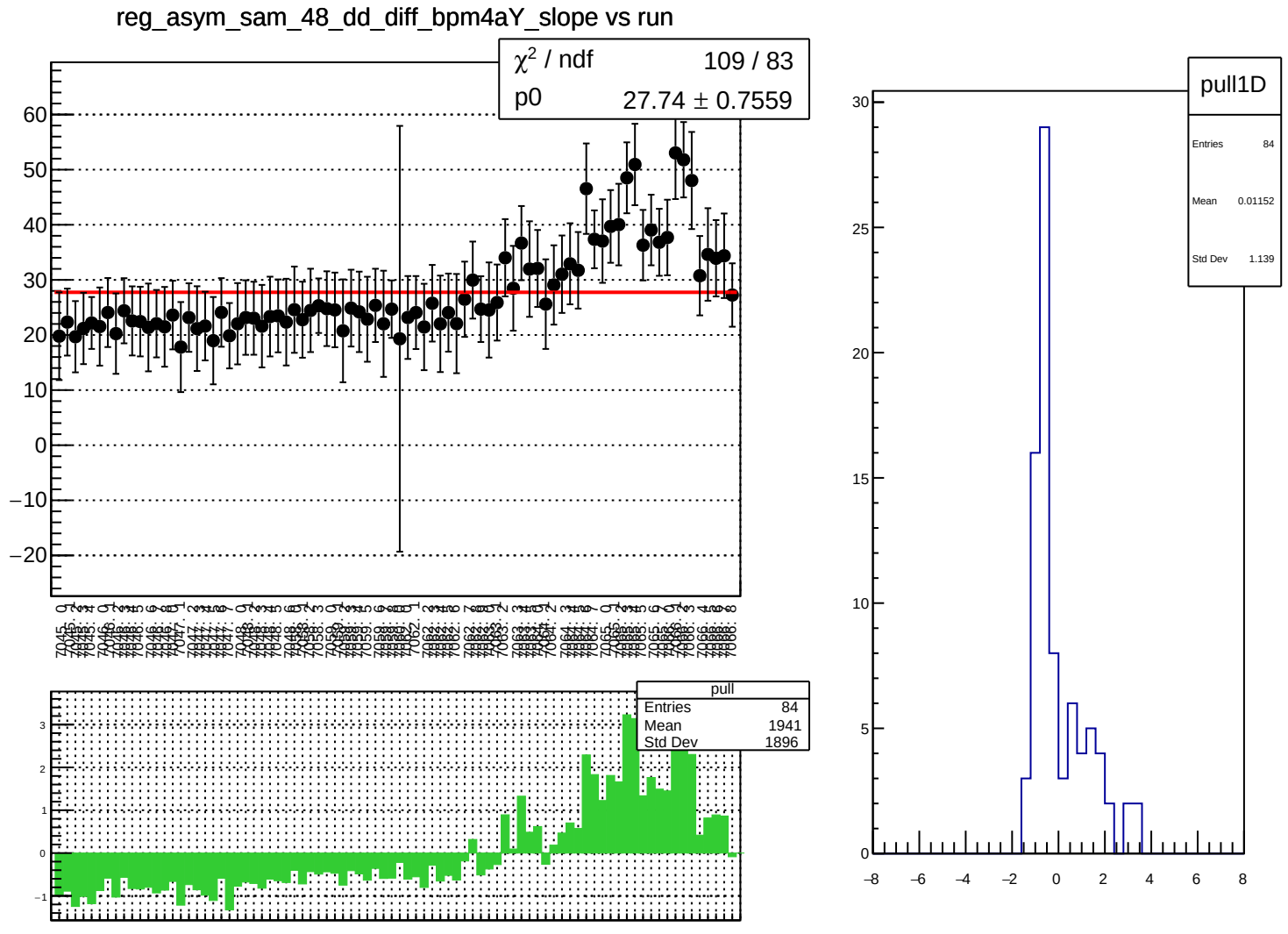

pull1D
Entries 84
Mean 0.01383
Std Dev 1.46

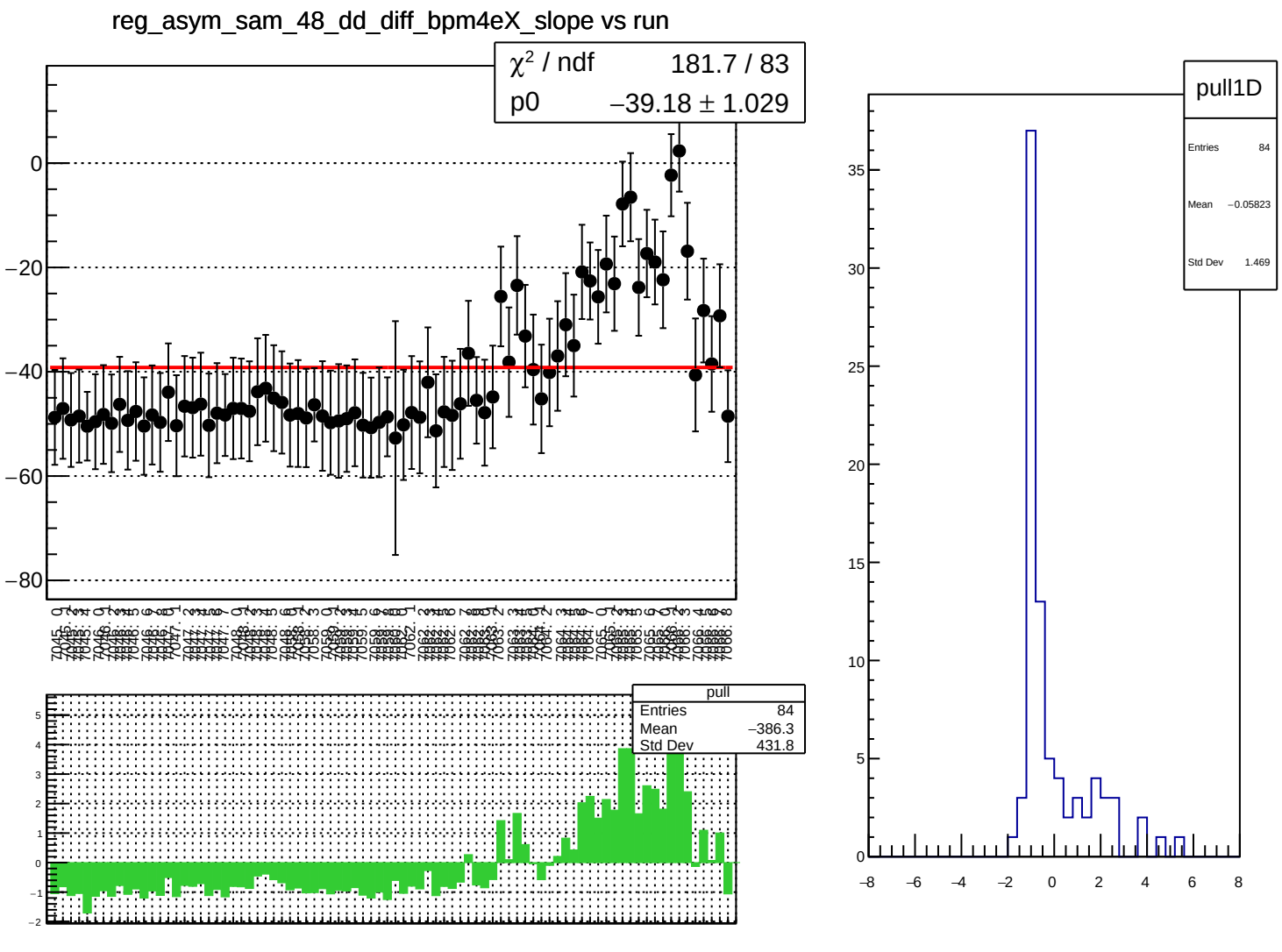

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 389.7 / 83
p0 −70.16 ± 1.209
pull
Entries 84
Mean −292.1
Std Dev 336.7
pull1D
Entries 84
Mean −0.1157
Std Dev 2.151

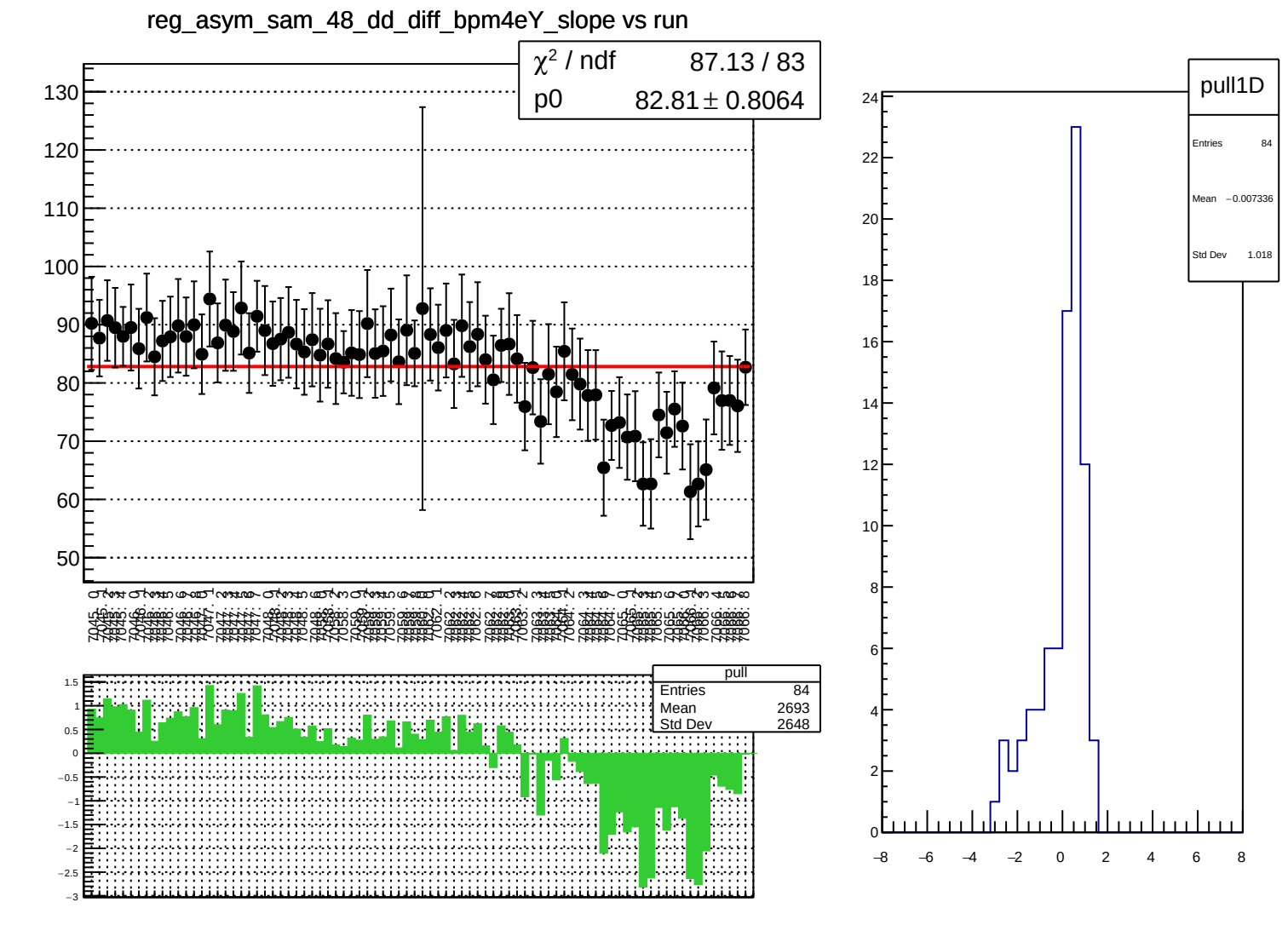

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 160.7 / 83
p0 122.8 ± 0.948
pull
Entries 84
Mean 7763
Std Dev 7718
pull1D
Entries 84
Mean −0.003378
Std Dev 1.383

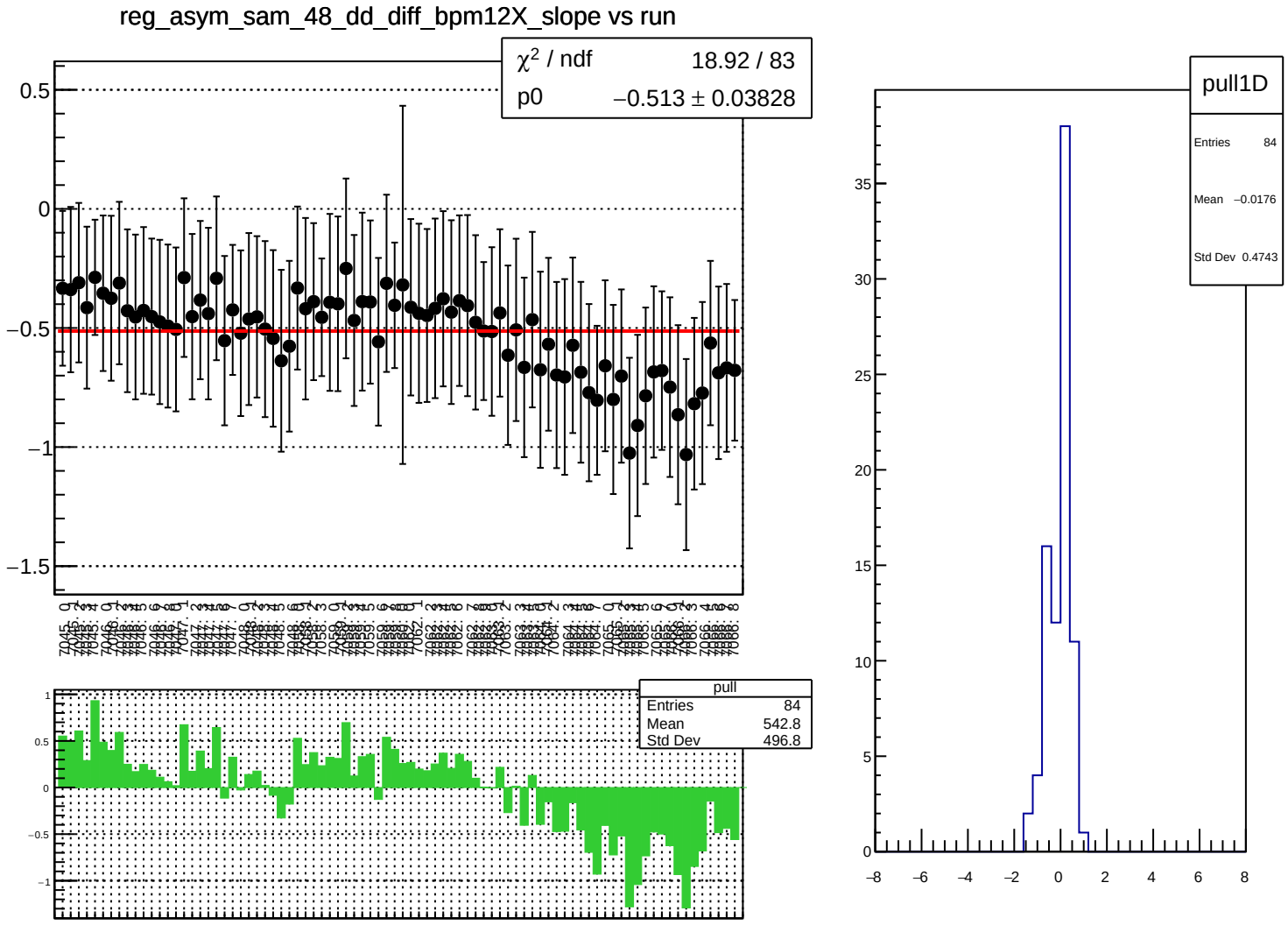

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 25.48 / 83
p0 −0.3226 ± 0.04506
pull
Entries 84
Mean 830.8
Std Dev 784.1
pull1D
Entries 84
Mean −0.01254
Std Dev 0.5506

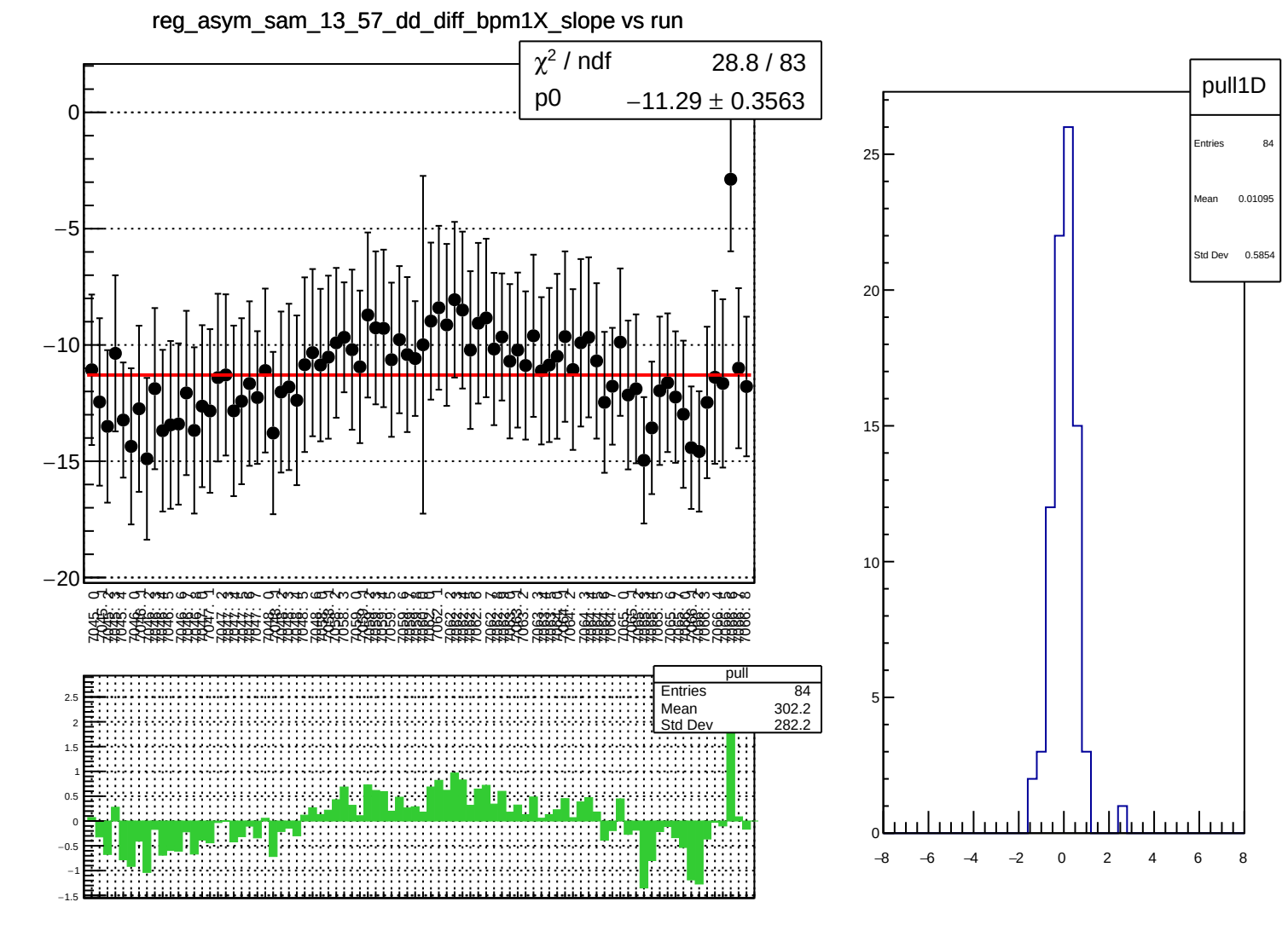

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 221.1 / 83
p0 −39.01± 1.079
pull
Entries 84
Mean −305.2
Std Dev 350.9
pull1D
Entries 84
Mean 0.07651
Std Dev 1.621

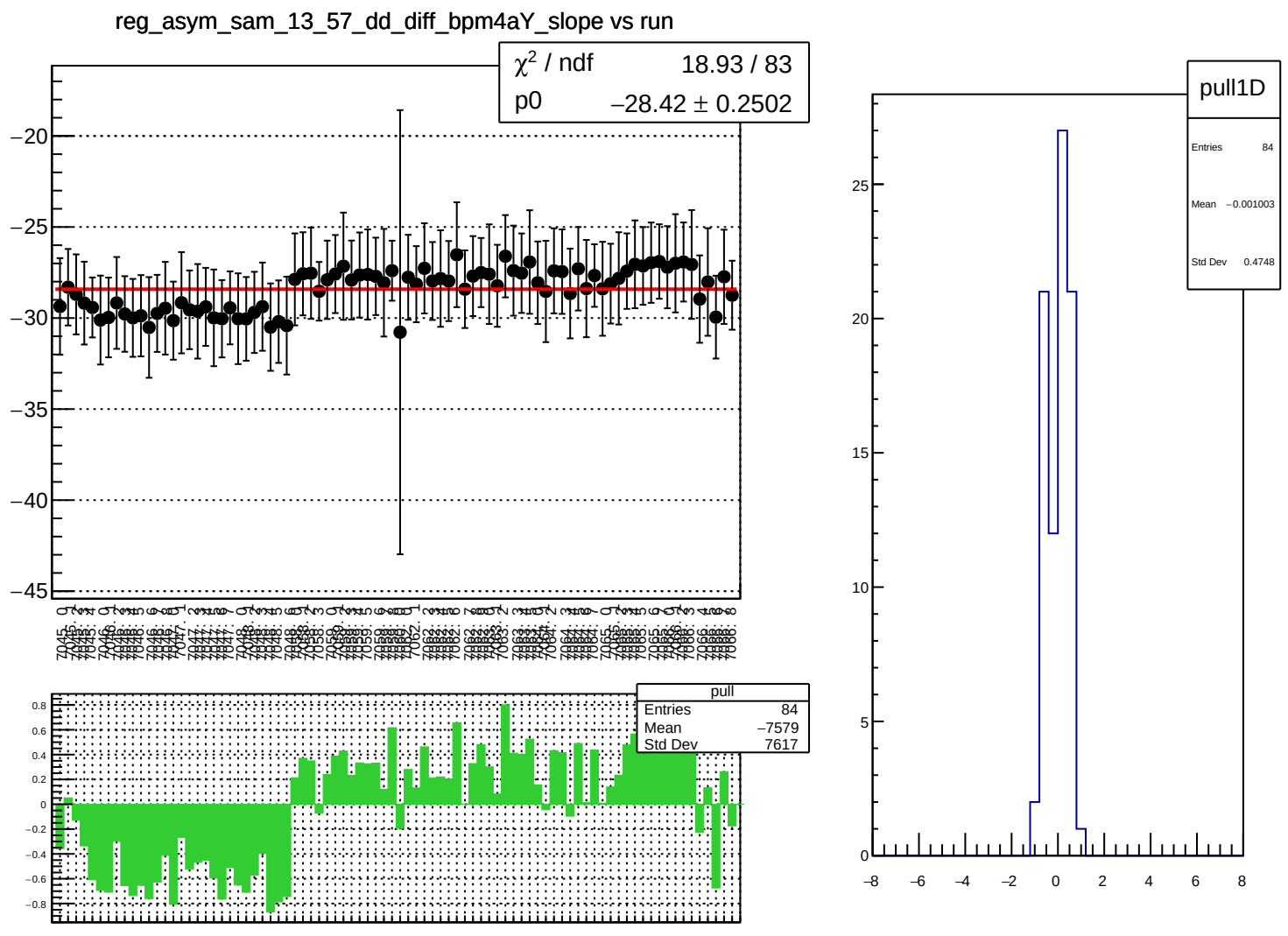

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 109 / 83
p0 27.74 ± 0.7559
pull
Entries 84
Mean 1941
Std Dev 1896
pull1D
Entries 84
Mean 0.01152
Std Dev 1.139

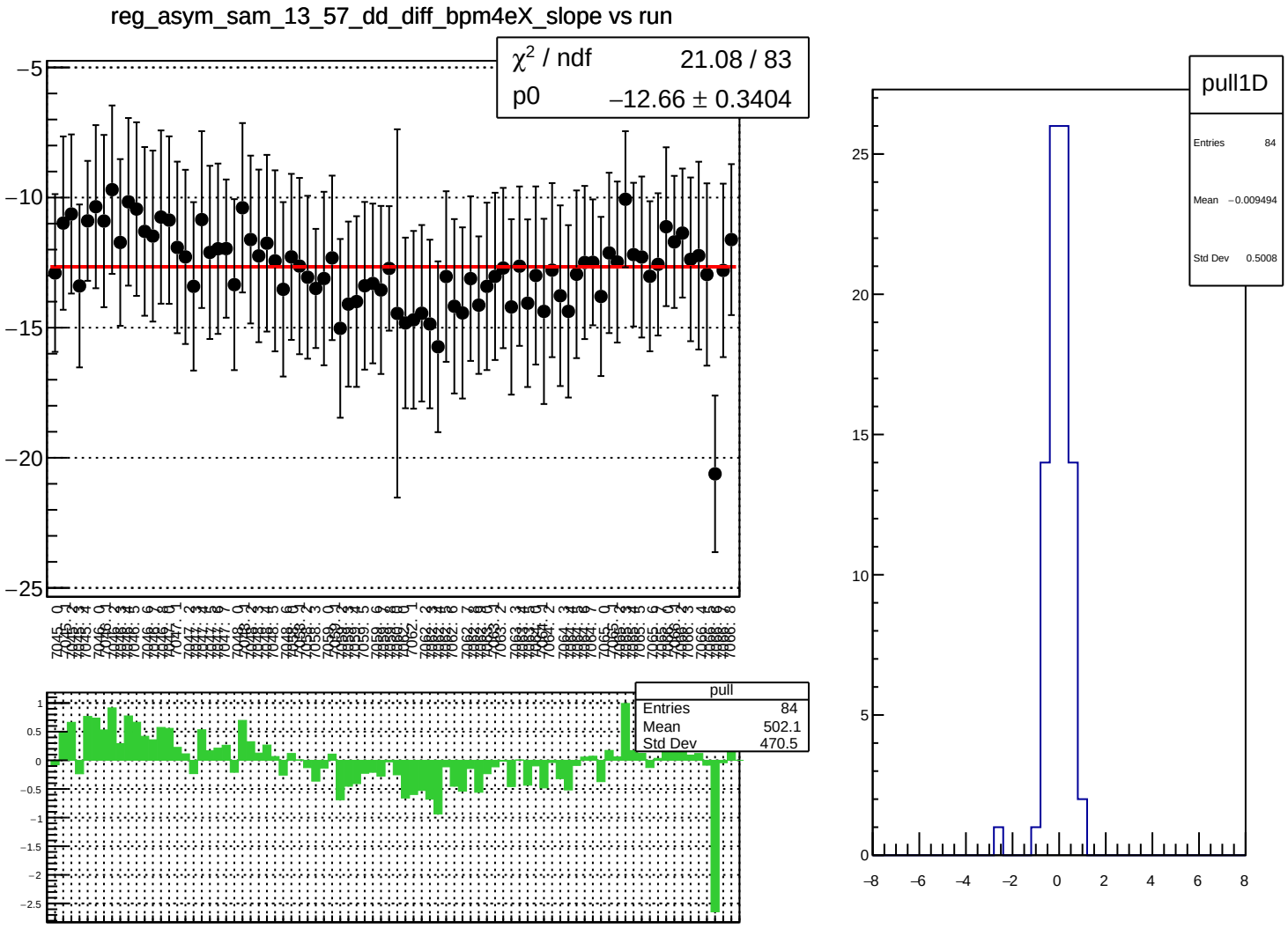

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 181.7 / 83
p0 −39.18 ± 1.029
pull
Entries 84
Mean −386.3
Std Dev 431.8
pull1D
Entries 84
Mean −0.05823
Std Dev 1.469

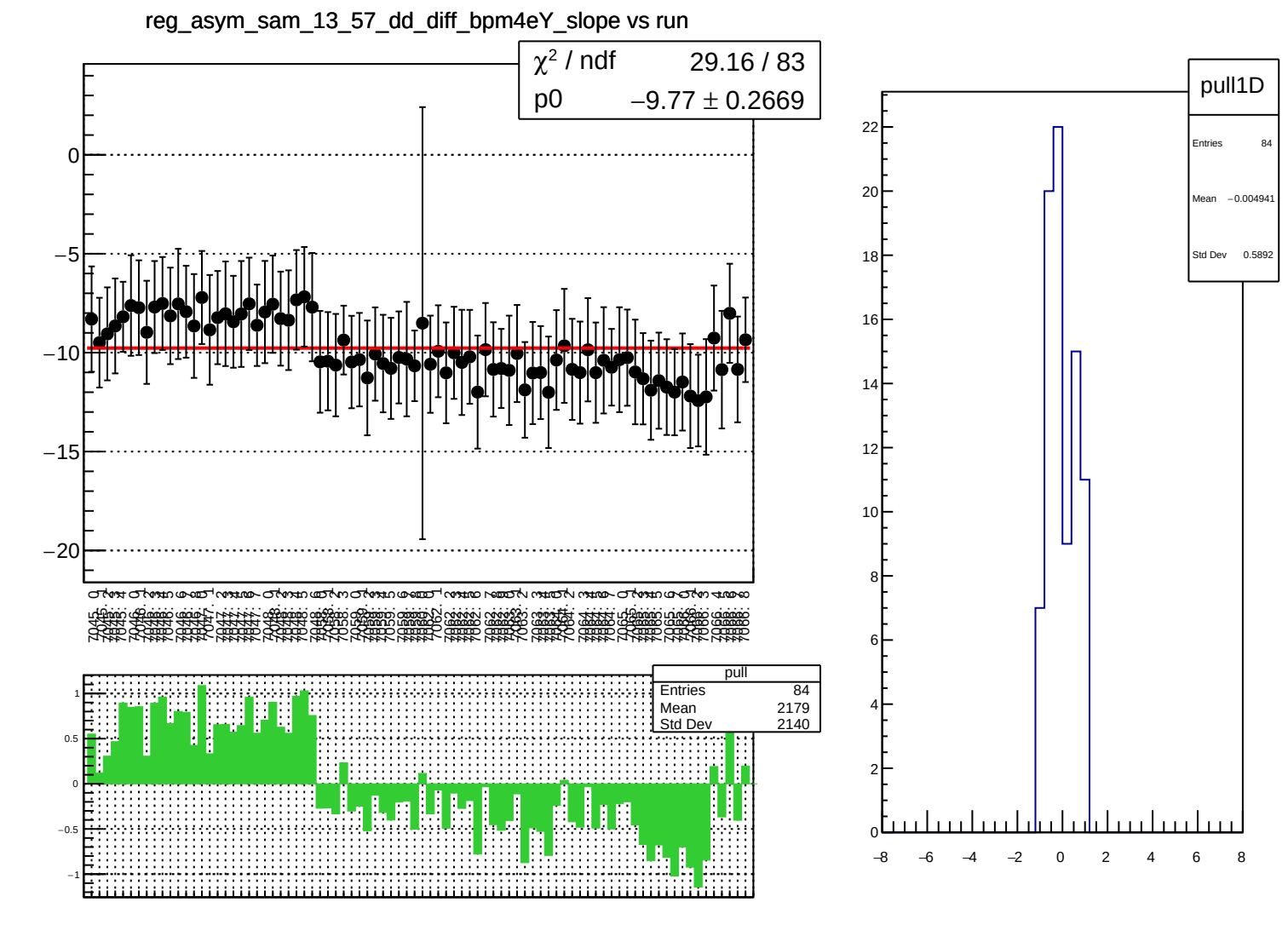

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 87.13 / 83
p0 82.81 ± 0.8064
pull
Entries 84
Mean 2693
Std Dev 2648
pull1D
Entries 84
Mean −0.007336
Std Dev 1.018

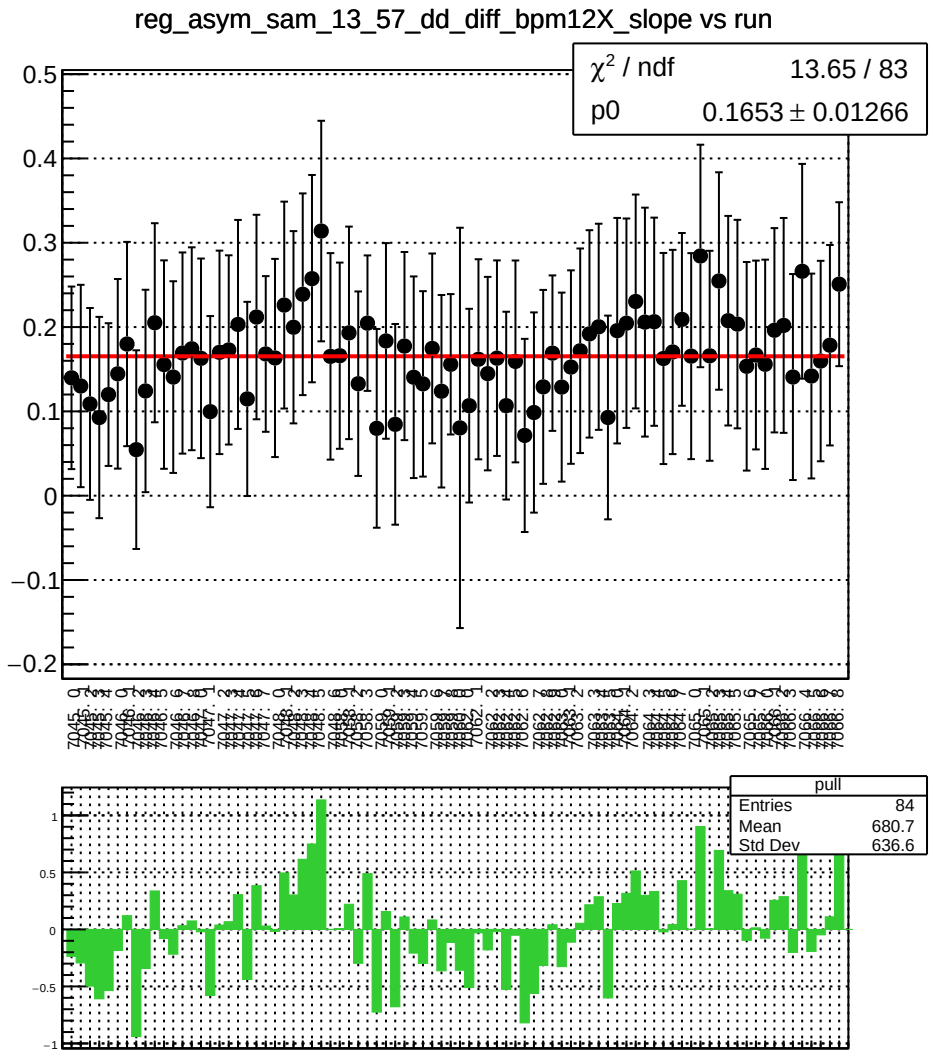

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.92 / 83
p0 −0.513 ± 0.03828
pull
Entries 84
Mean 542.8
Std Dev 496.8
pull1D
Entries 84
Mean −0.0176
Std Dev 0.4743

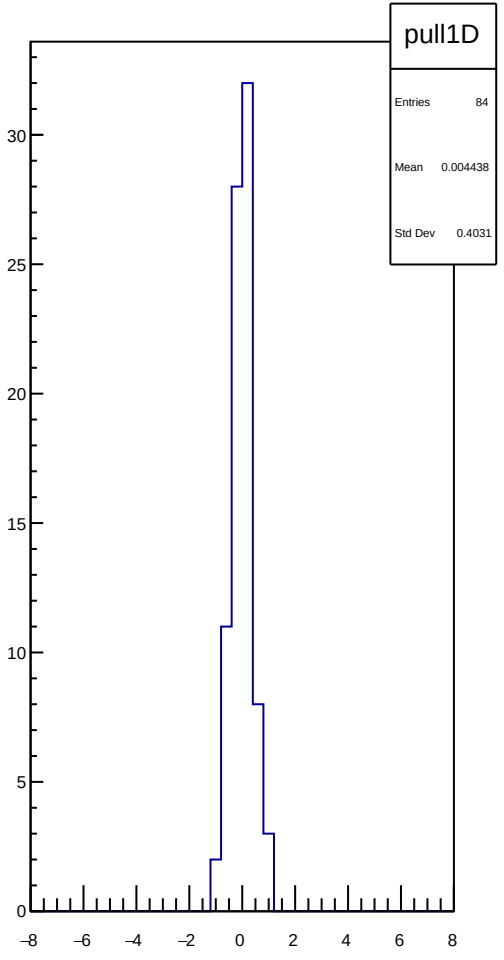

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 28.8 / 83
p0 −11.29 ± 0.3563
pull
Entries 84
Mean 302.2
Std Dev 282.2
pull1D
Entries 84
Mean 0.01095
Std Dev 0.5854

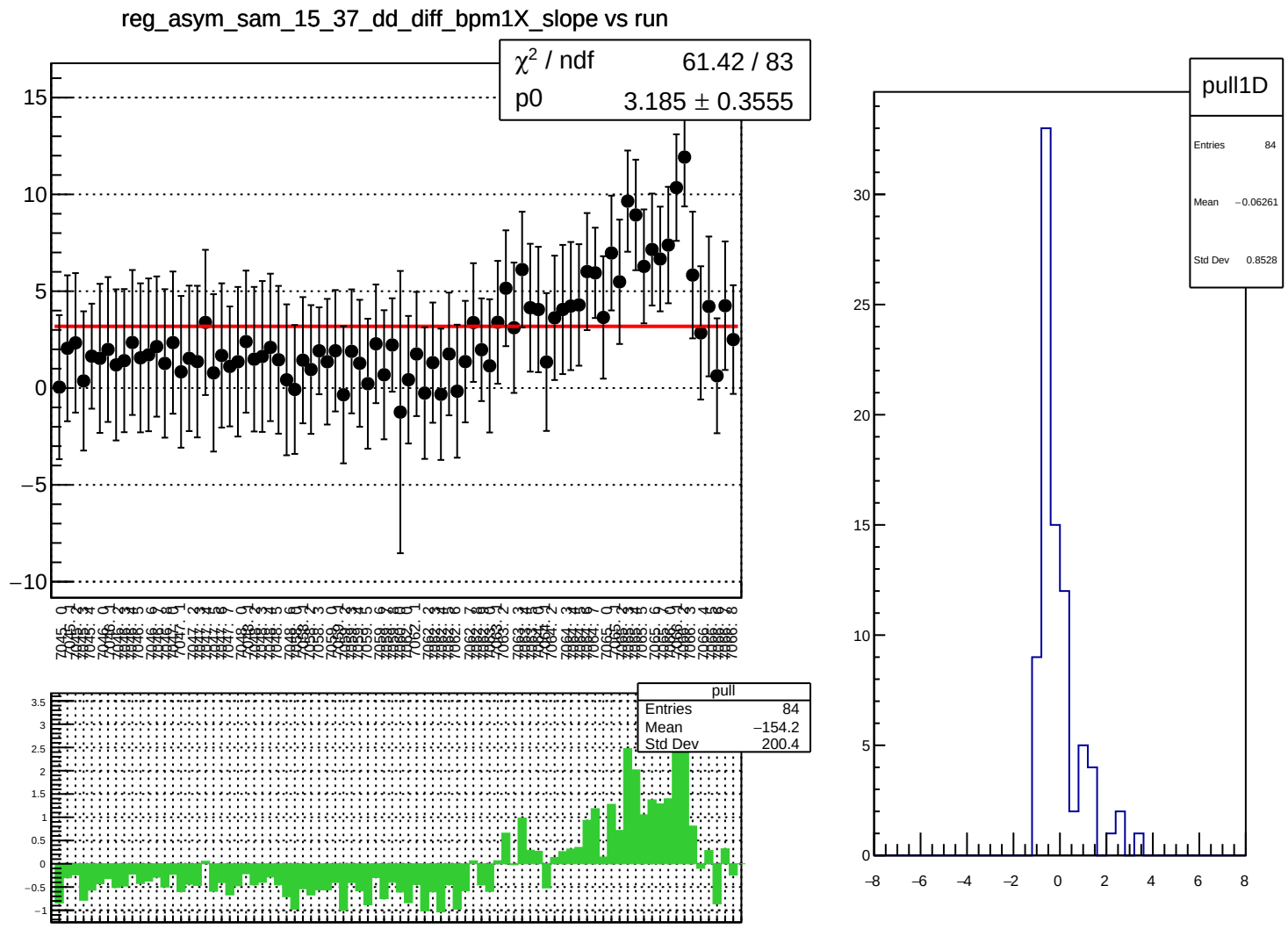

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.93 / 83
p0 −28.42 ± 0.2502
pull
Entries 84
Mean −7579
Std Dev 7617
pull1D
Entries 84
Mean −0.001003
Std Dev 0.4748

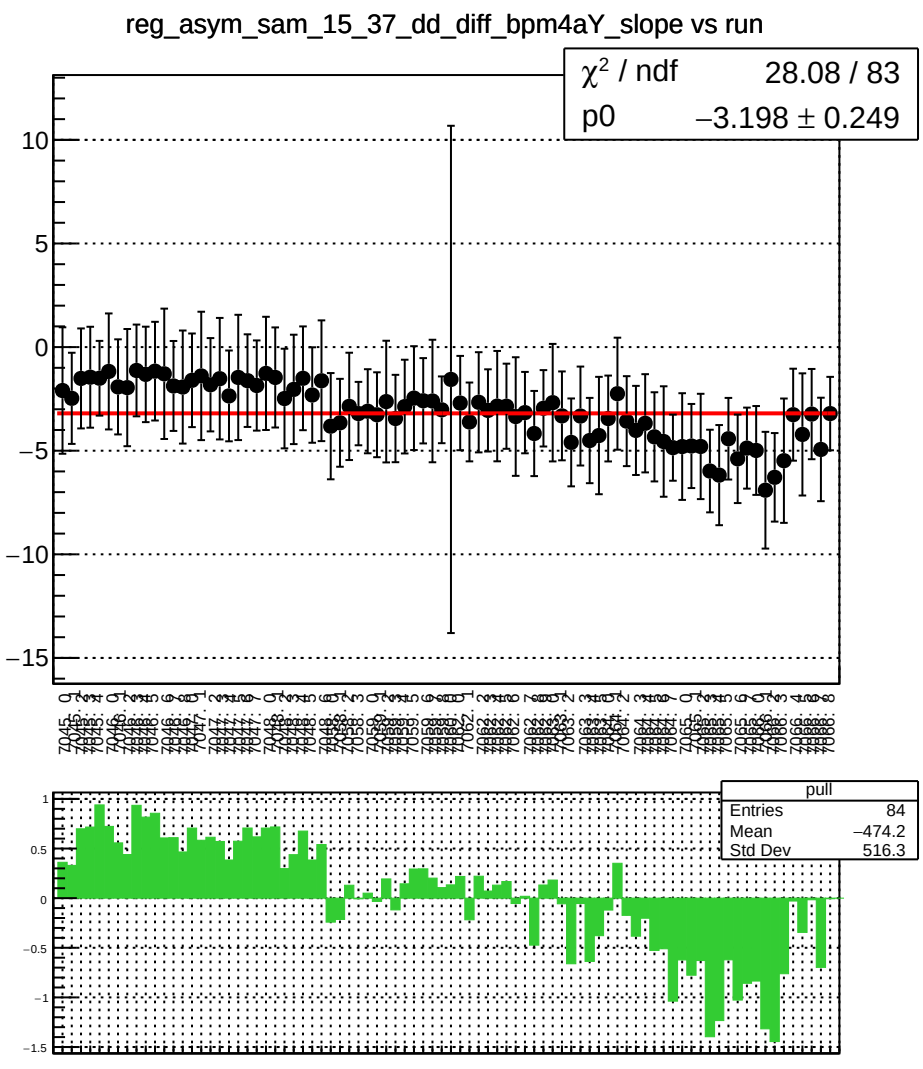

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.08 / 83
p0 −12.66 ± 0.3404
pull
Entries 84
Mean 502.1
Std Dev 470.5
pull1D
Entries 84
Mean −0.009494
Std Dev 0.5008

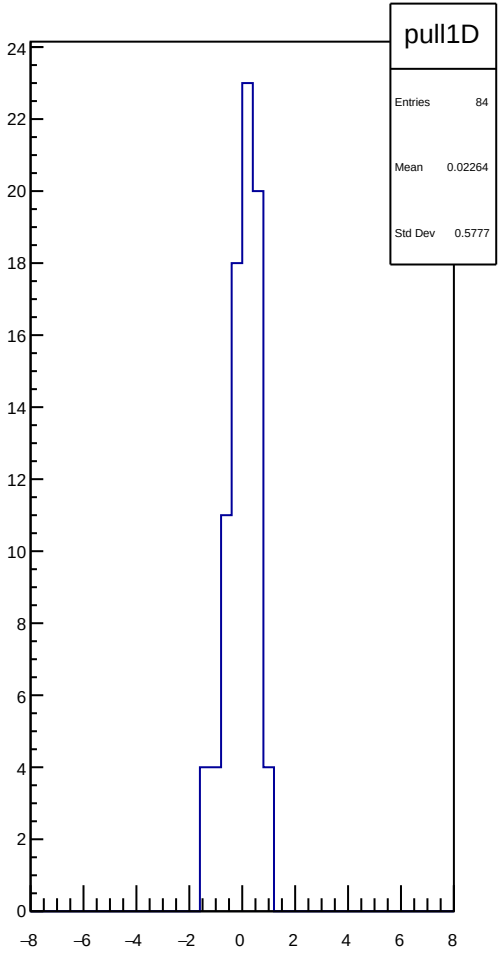

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.16 / 83
p0 −9.77 ± 0.2669
pull
Entries 84
Mean 2179
Std Dev 2140
pull1D
Entries 84
Mean −0.004941
Std Dev 0.5892

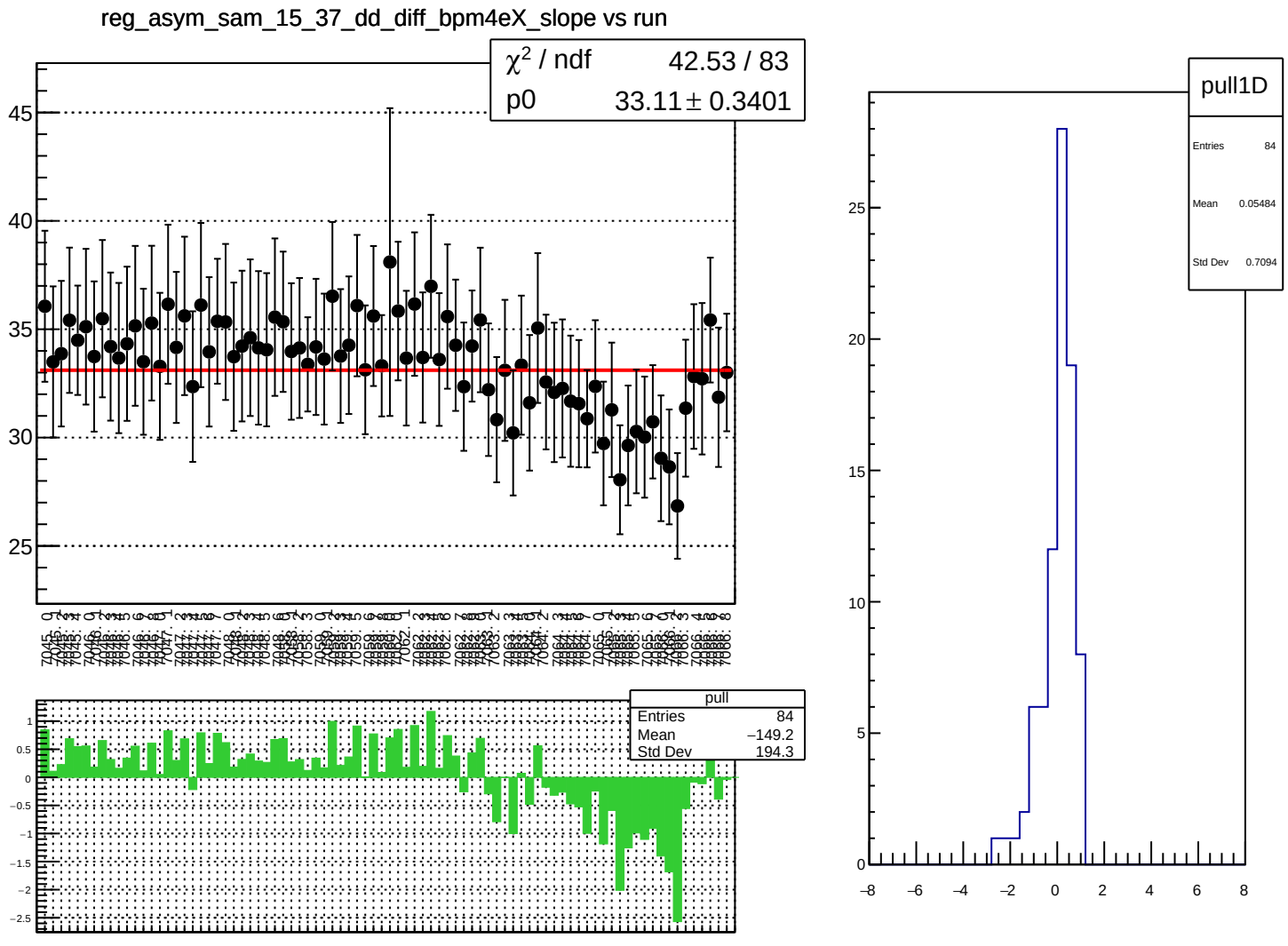

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 13.65 / 83
p0 0.1653 ± 0.01266
pull
Entries 84
Mean 680.7
Std Dev 636.6

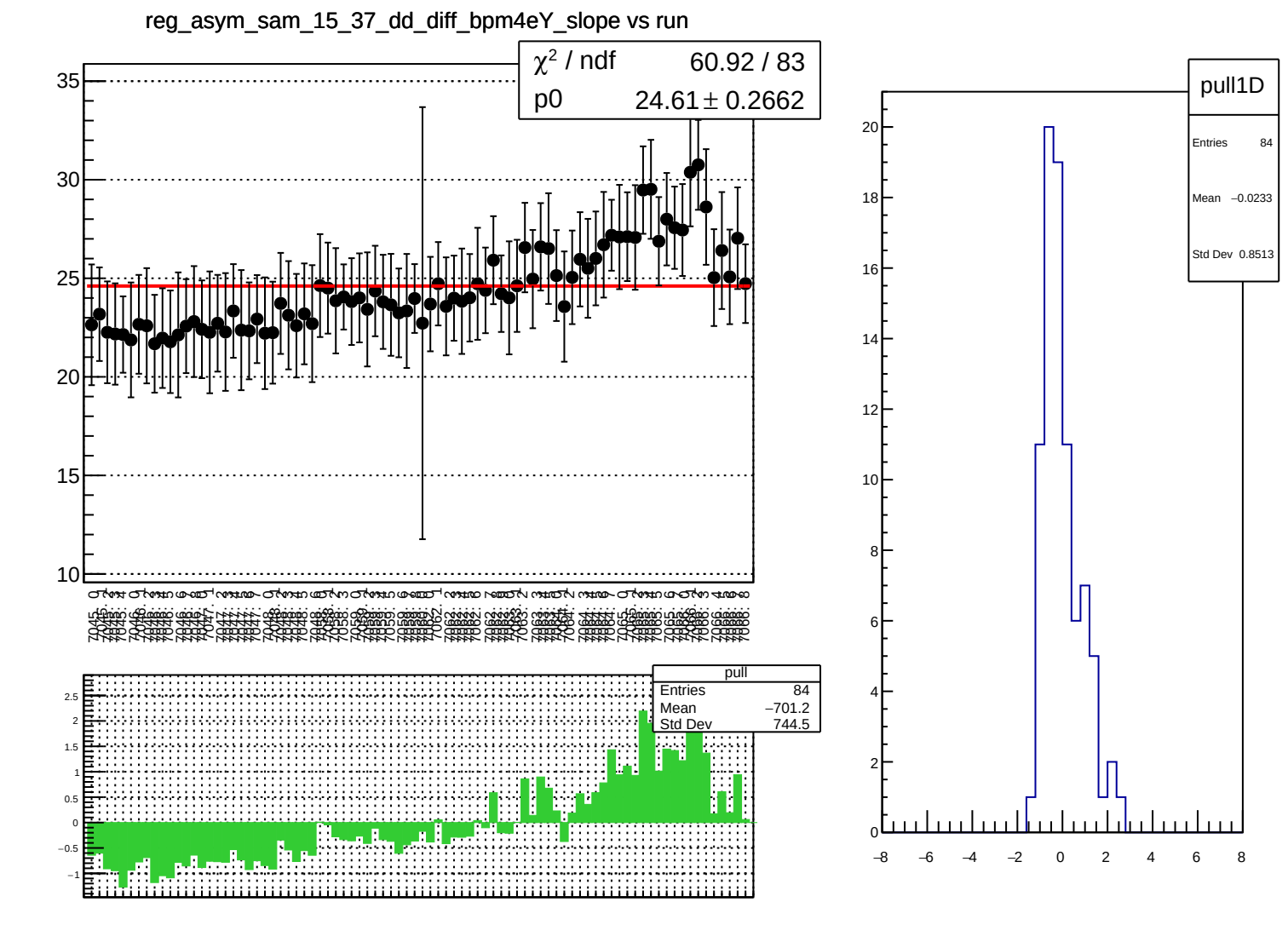

pull1D
Entries 84
Mean 0.004438
Std Dev 0.4031

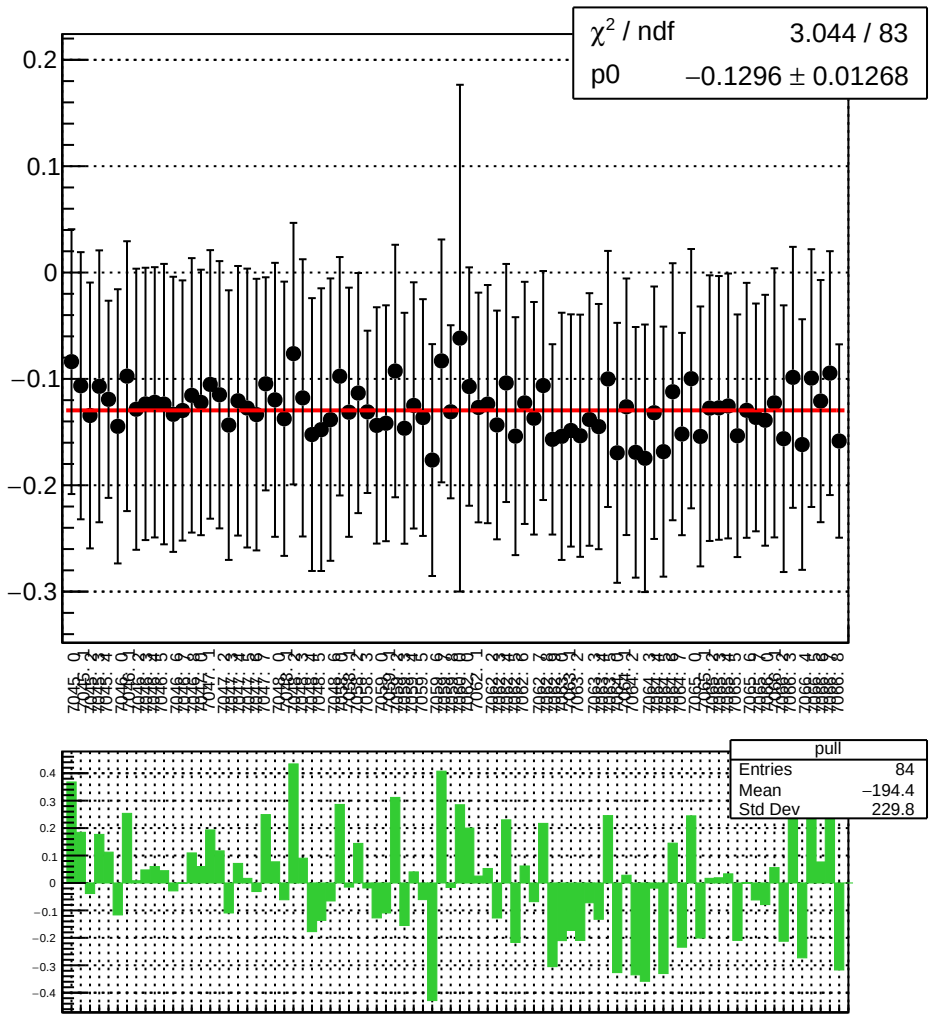

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 61.42 / 83
p0 3.185 ± 0.3555
pull
Entries 84
Mean −154.2
Std Dev 200.4
pull1D
Entries 84
Mean −0.06261
Std Dev 0.8528

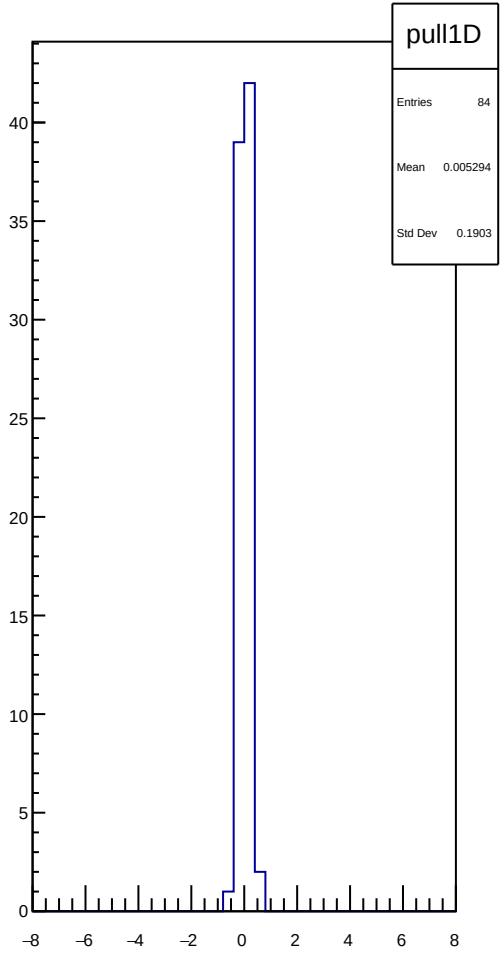

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.08 / 83
p0 −3.198 ± 0.249
pull
Entries 84
Mean −474.2
Std Dev 516.3

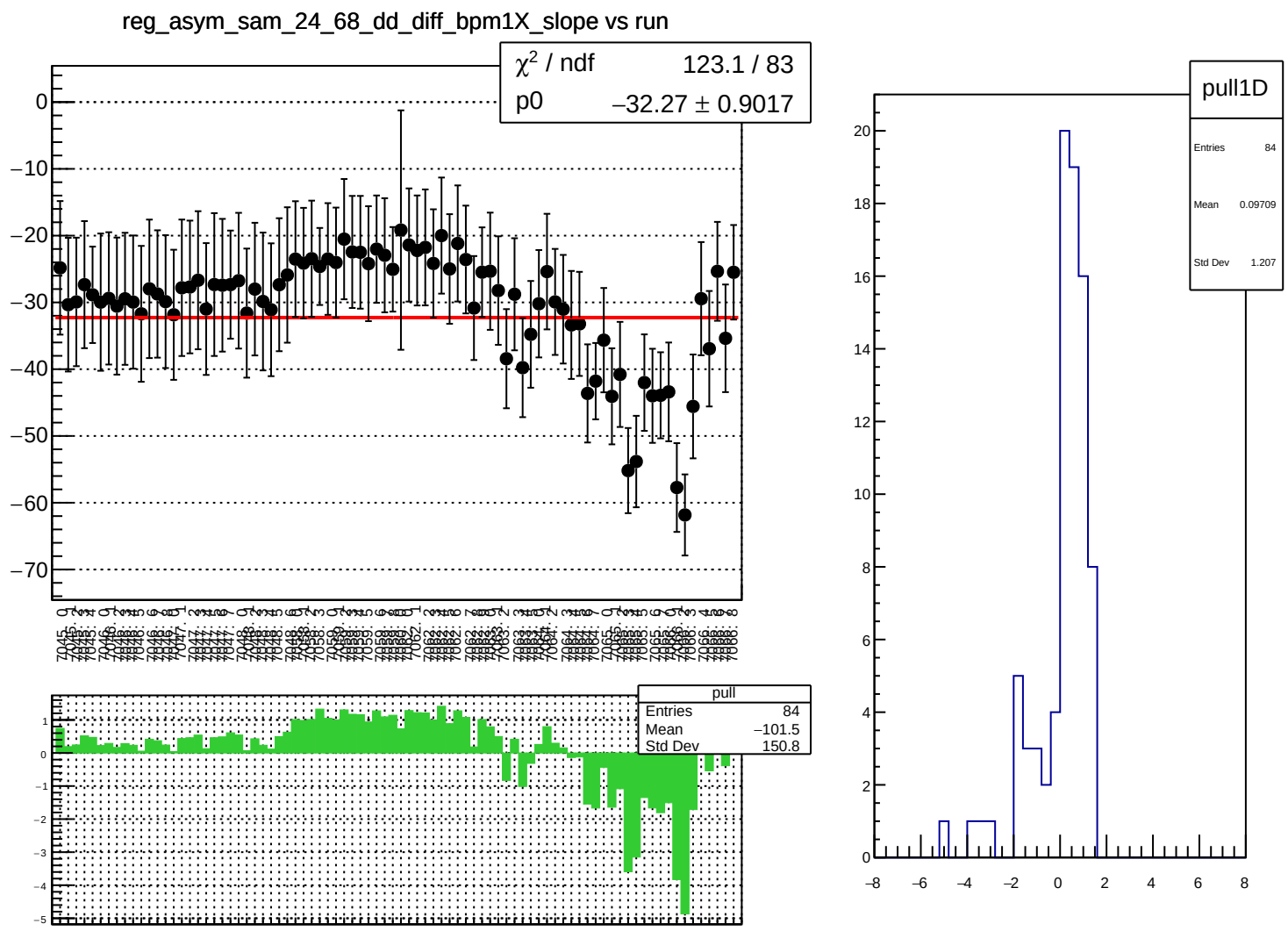

pull1D
Entries 84
Mean 0.02264
Std Dev 0.5777

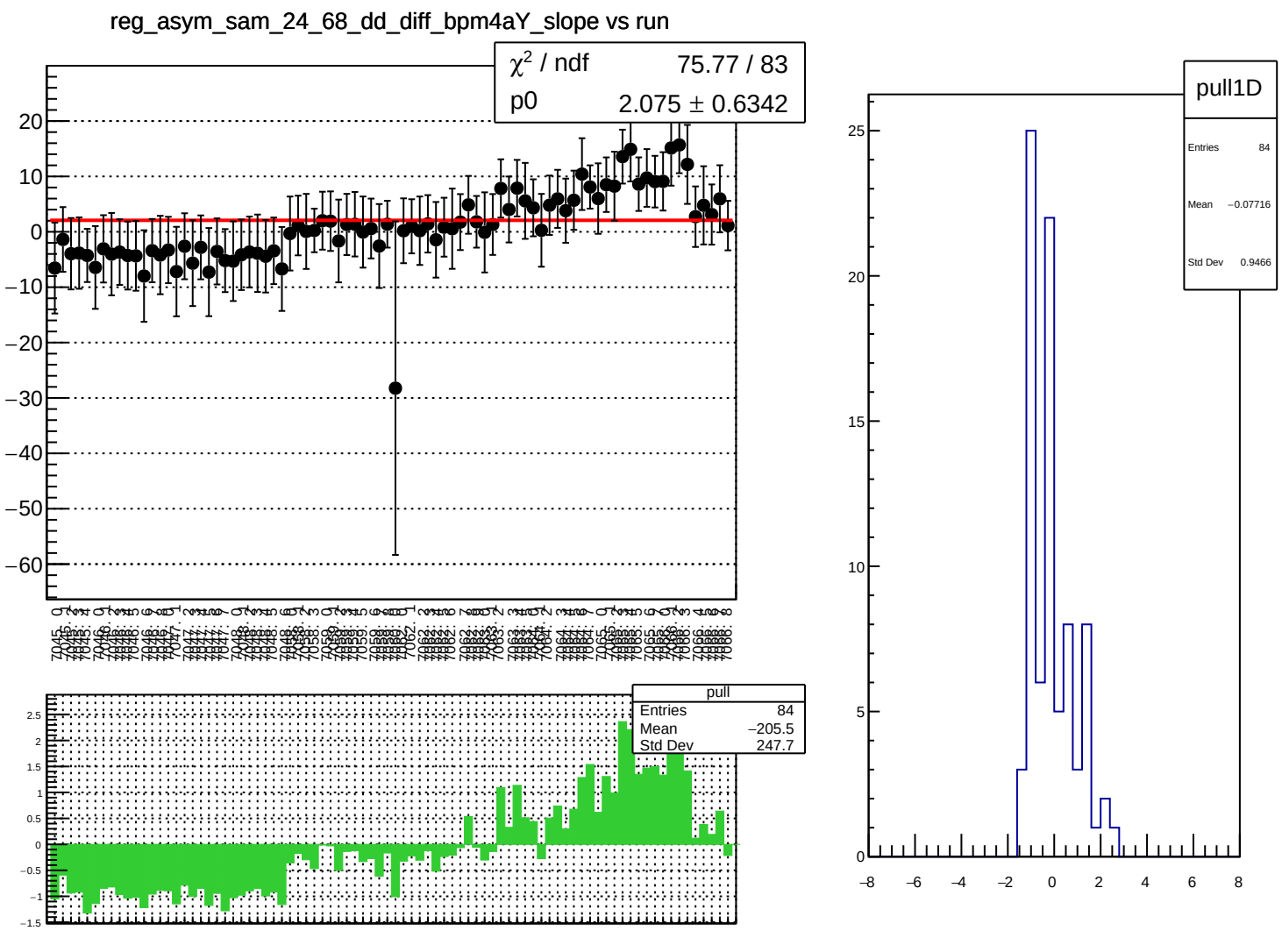

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.53 / 83
p0 33.11 ± 0.3401
pull
Entries 84
Mean −149.2
Std Dev 194.3
pull1D
Entries 84
Mean 0.05484
Std Dev 0.7094

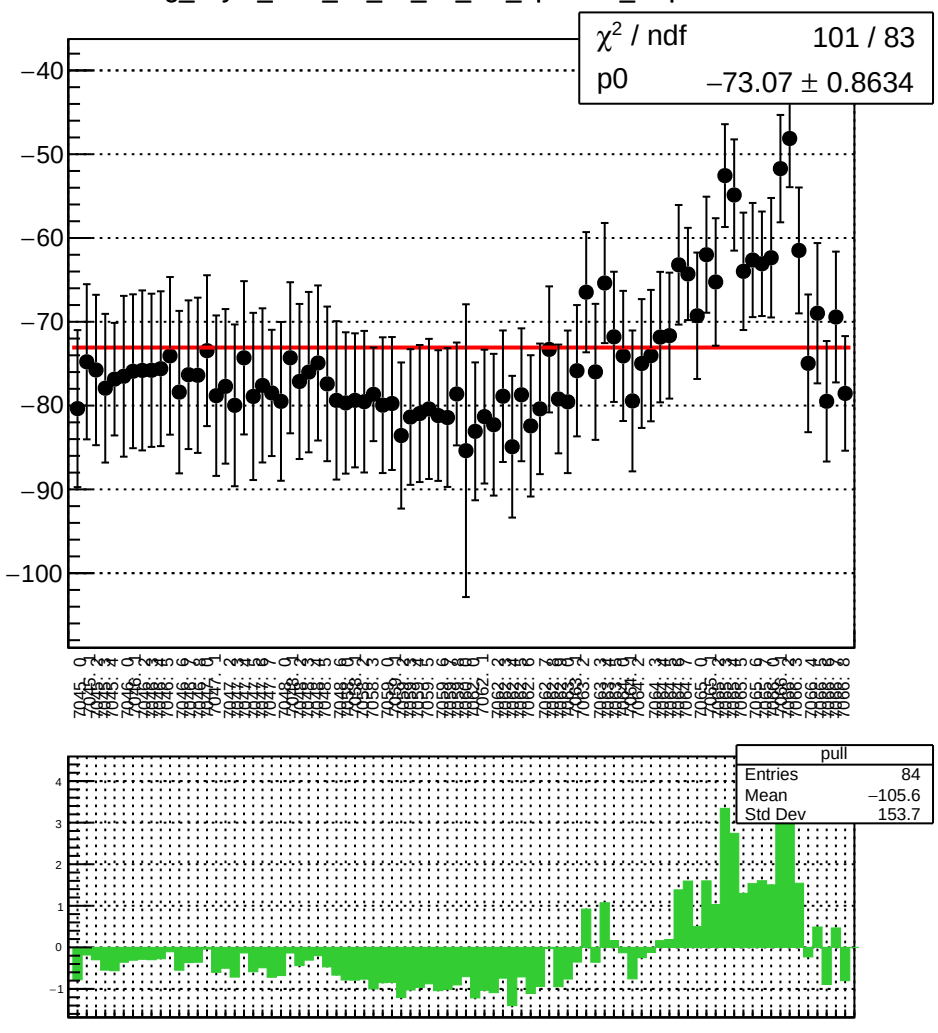

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.92 / 83
p0 24.61 ± 0.2662
pull
Entries 84
Mean −701.2
Std Dev 744.5
pull1D
Entries 84
Mean −0.0233
Std Dev 0.8513

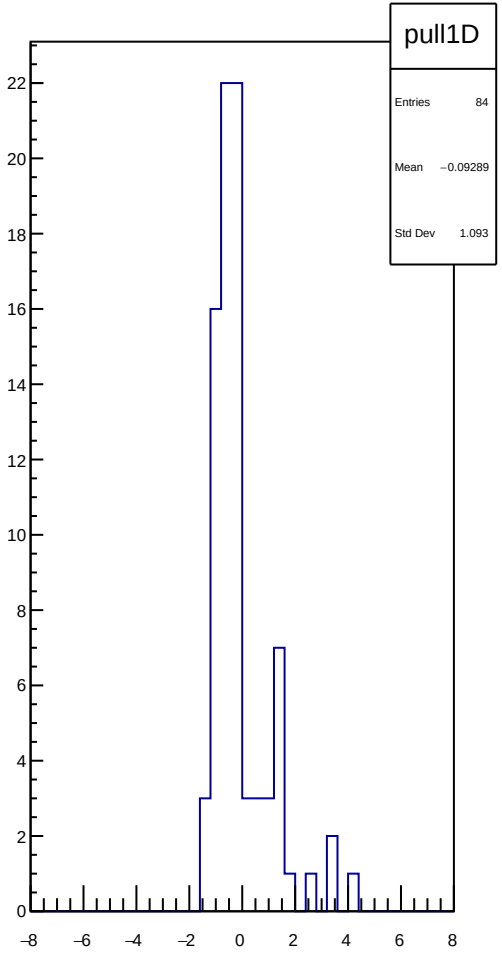

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.044 / 83
p0 −0.1296 ± 0.01268
pull
Entries 84
Mean −194.4
Std Dev 229.8

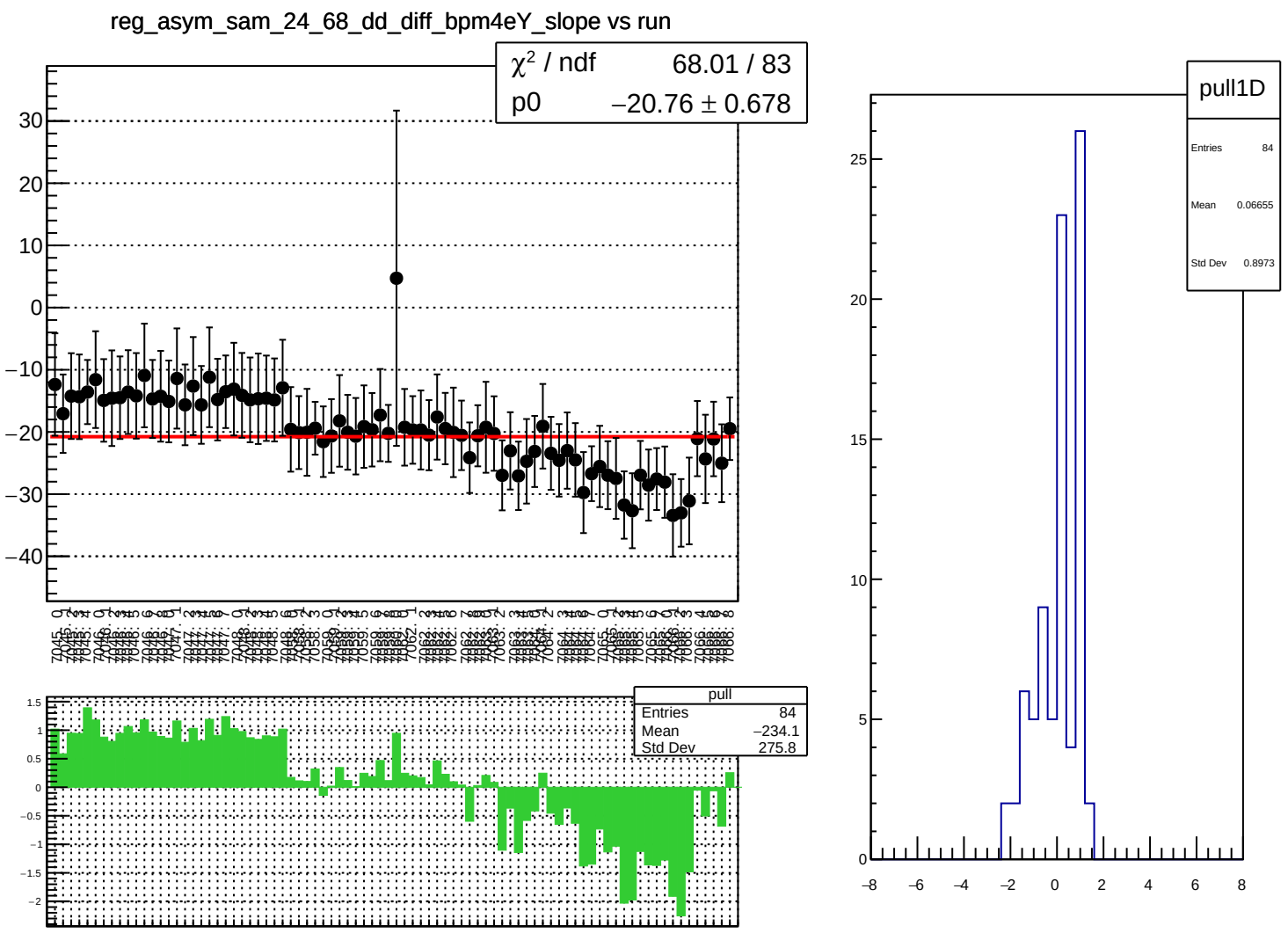

pull1D
Entries 84
Mean 0.005294
Std Dev 0.1903

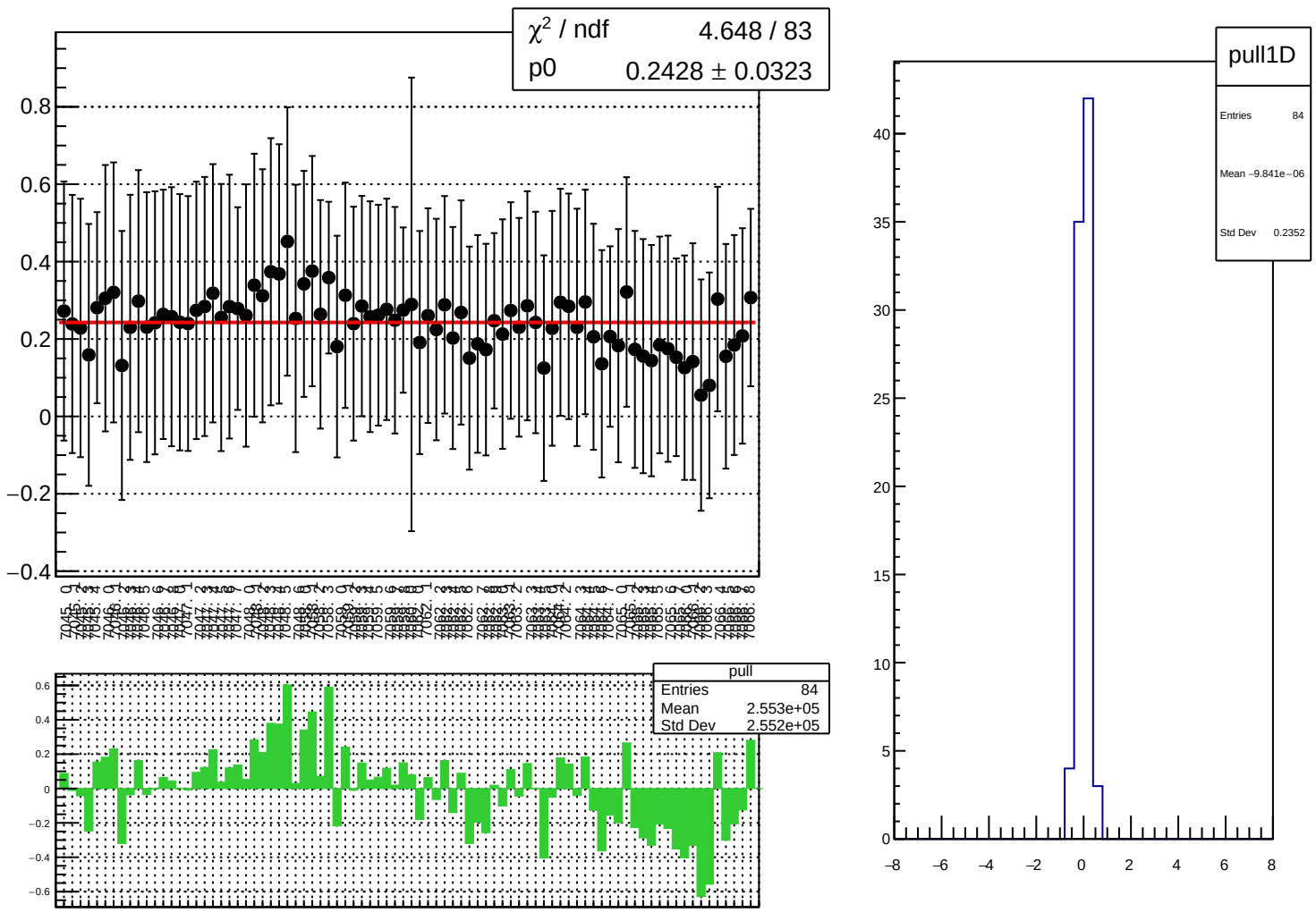

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 123.1 / 83
p0 −32.27 ± 0.9017
pull
Entries 84
Mean −101.5
Std Dev 150.8
pull1D
Entries 84
Mean 0.09709
Std Dev 1.207

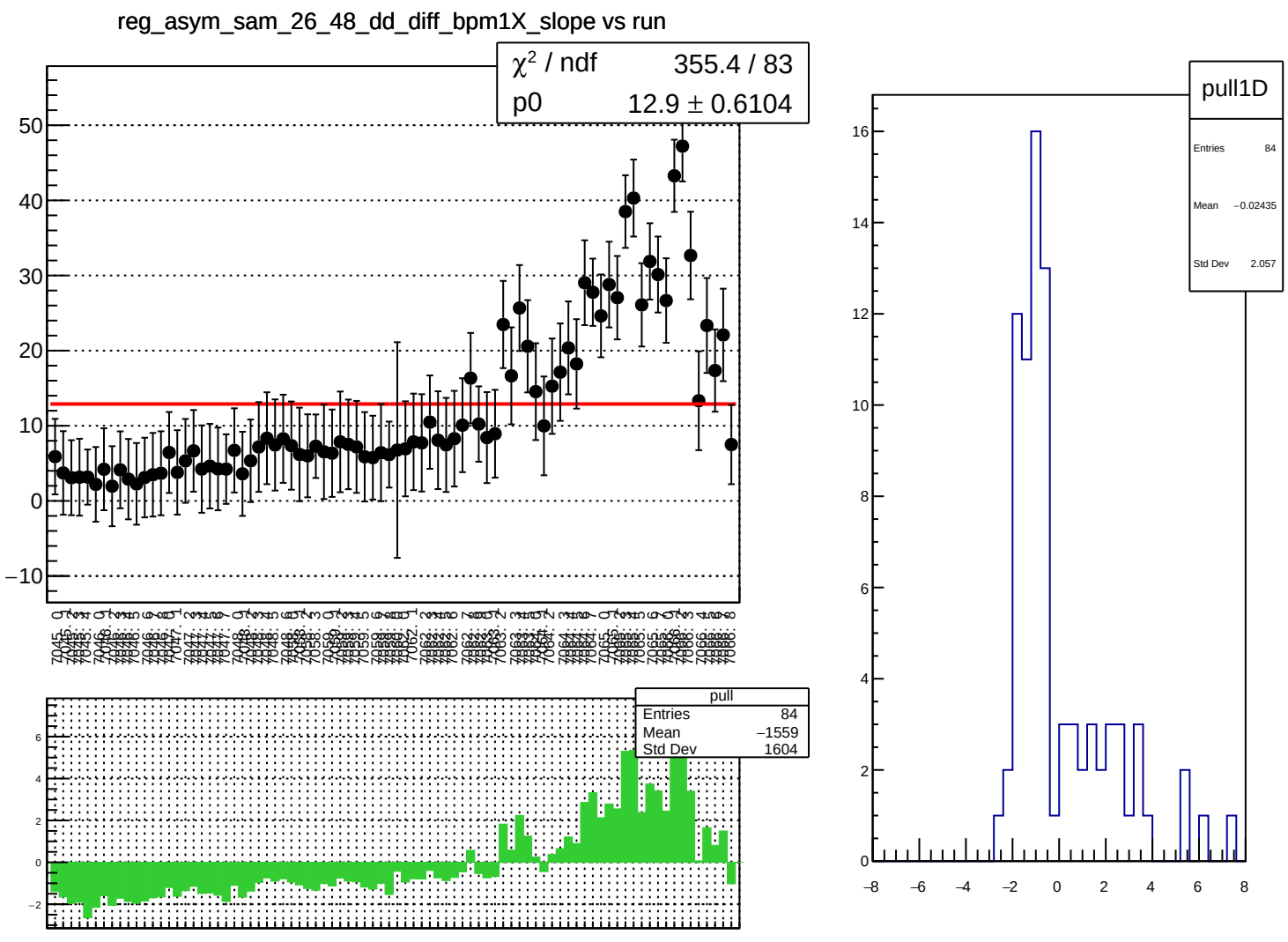

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.77 / 83
p0 2.075 ± 0.6342
pull
Entries 84
Mean −205.5
Std Dev 247.7
pull1D
Entries 84
Mean −0.07716
Std Dev 0.9466

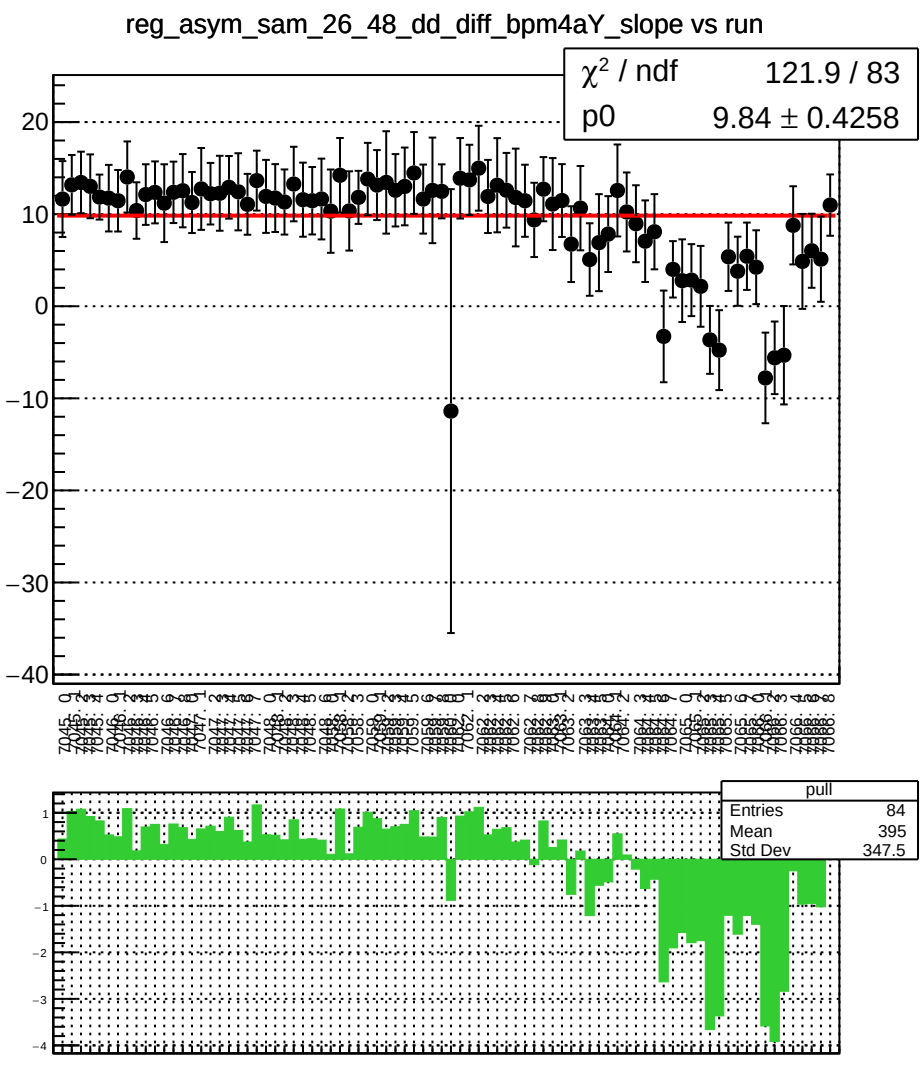

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 101 / 83
p0 −73.07 ± 0.8634
pull
Entries 84
Mean −105.6
Std Dev 153.7

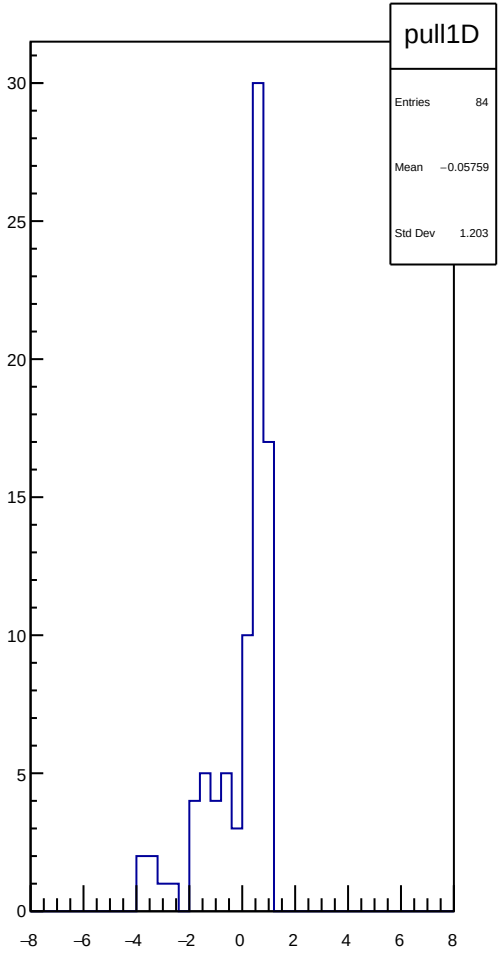

pull1D
Entries 84
Mean −0.09289
Std Dev 1.093

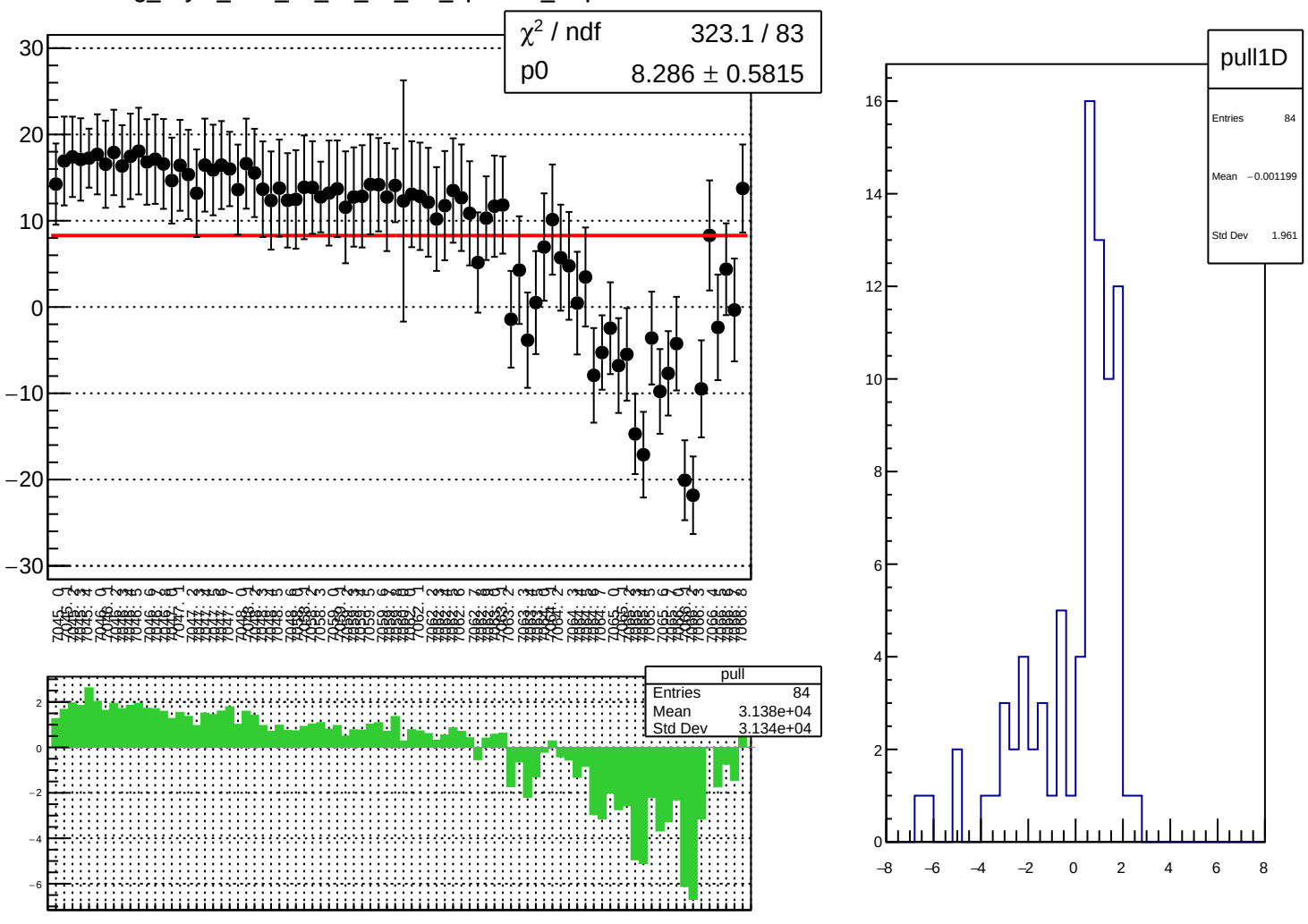

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.01 / 83
p0 −20.76 ± 0.678
pull
Entries 84
Mean −234.1
Std Dev 275.8
pull1D
Entries 84
Mean 0.06655
Std Dev 0.8973

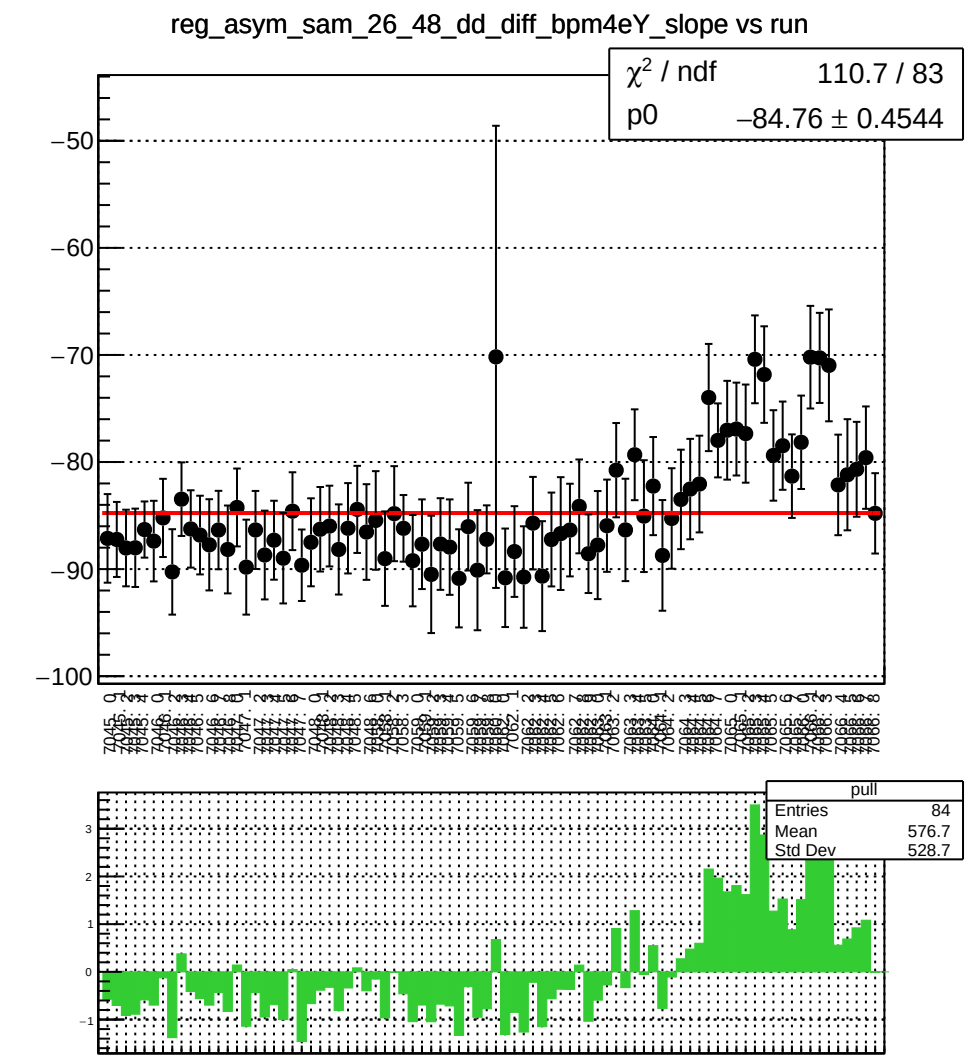

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 4.648 / 83
p0 0.2428 ± 0.0323
pull
Entries 84
Mean 2.553e+05
Std Dev 2.552e+05
pull1D
Entries 84
Mean −9.841e−06
Std Dev 0.2352

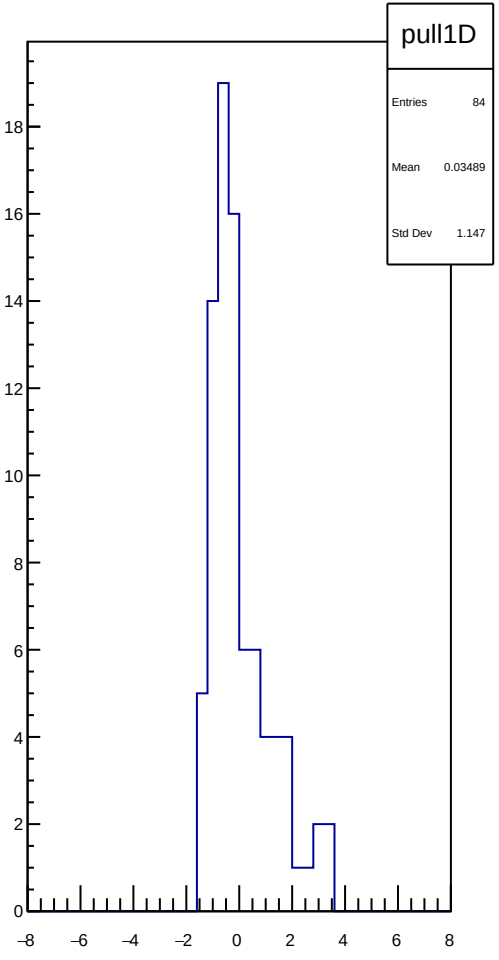

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 355.4 / 83
p0 12.9 ± 0.6104
pull
Entries 84
Mean −1559
Std Dev 1604
pull1D
Entries 84
Mean −0.02435
Std Dev 2.057

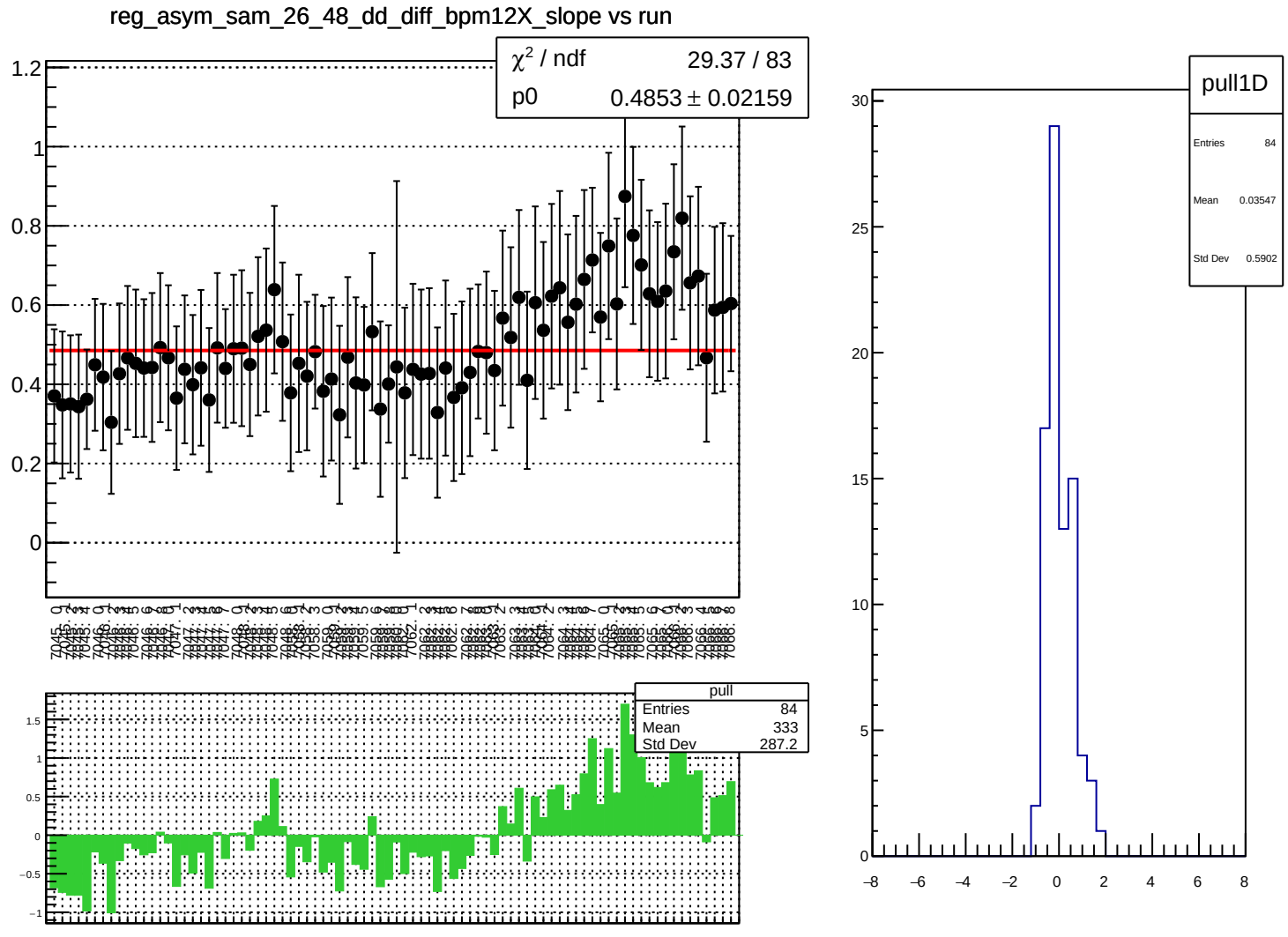

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 121.9 / 83
p0 9.84 ± 0.4258
pull
Entries 84
Mean 395
Std Dev 347.5

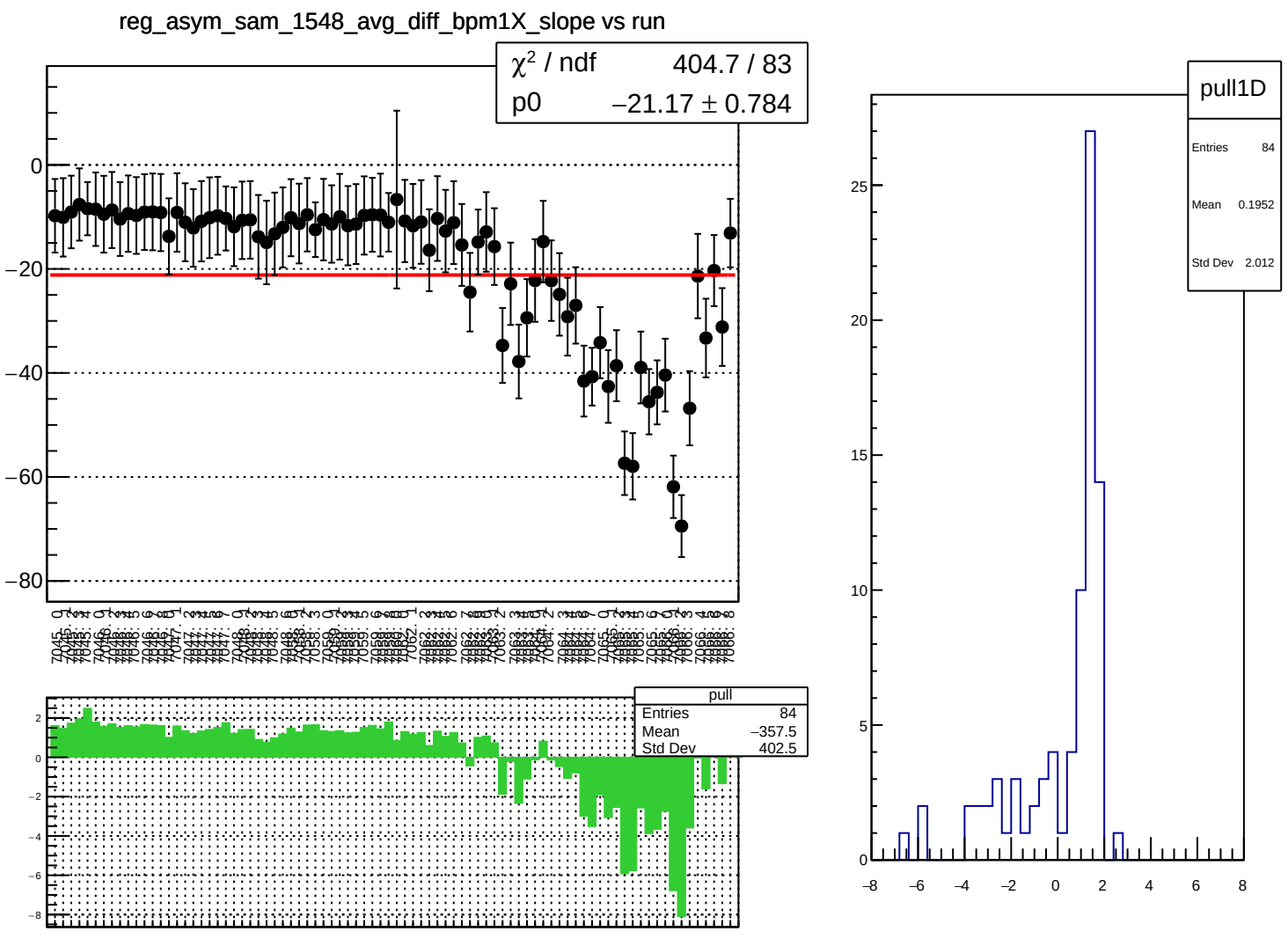

pull1D
Entries 84
Mean −0.05759
Std Dev 1.203

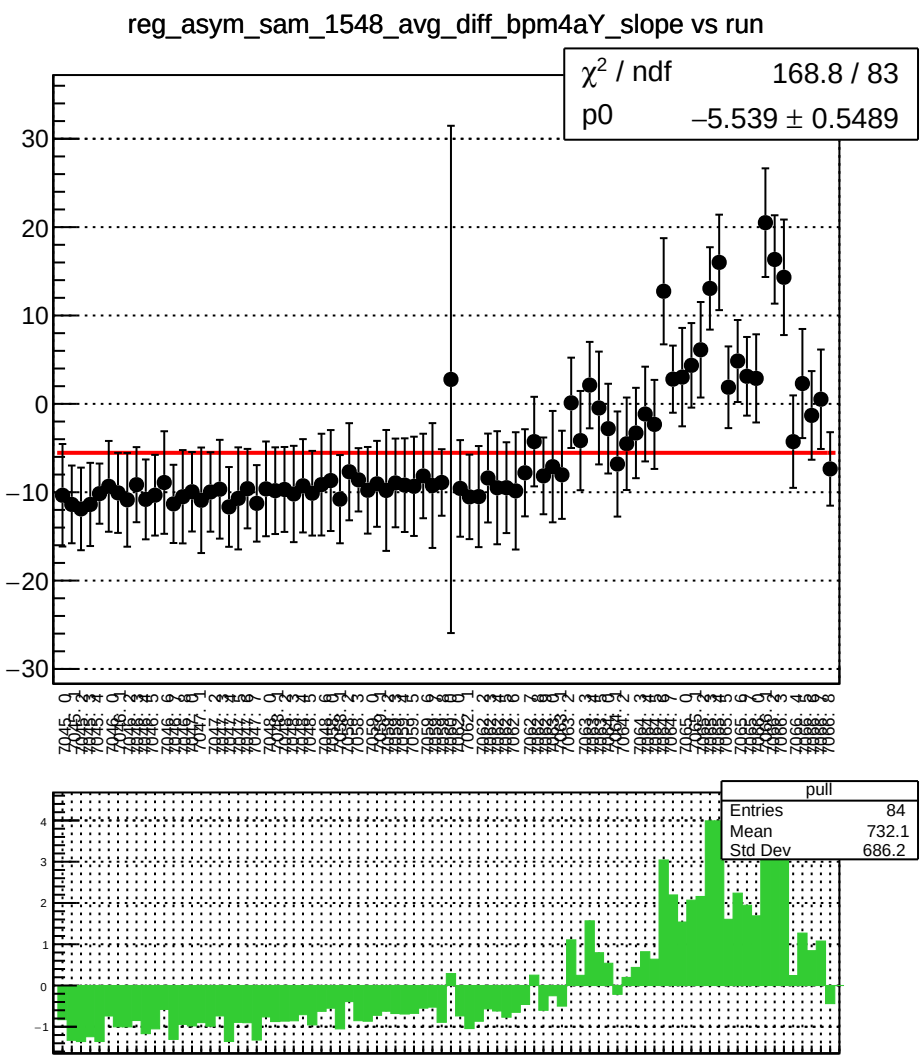

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 323.1 / 83
p0 8.286 ± 0.5815
pull
Entries 84
Mean 3.138e+04
Std Dev 3.134e+04
pull1D
Entries 84
Mean −0.001199
Std Dev 1.961

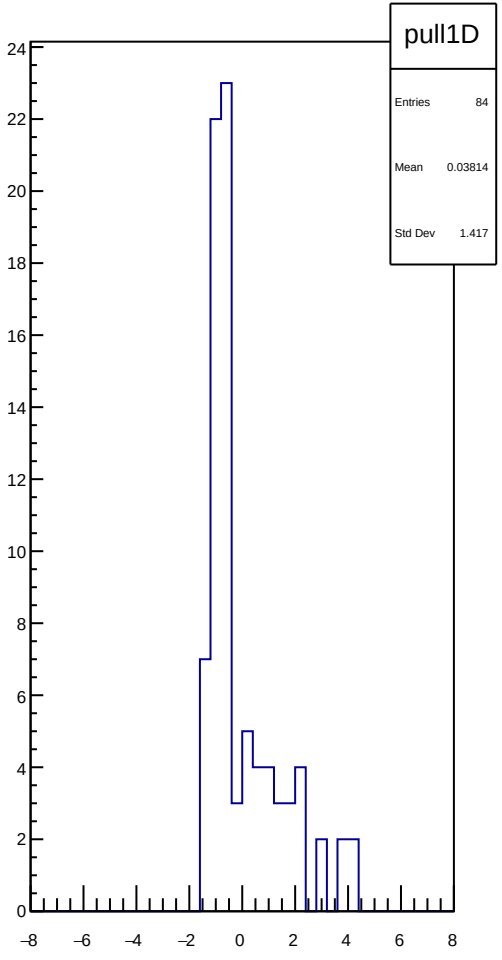

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 110.7 / 83
p0 −84.76 ± 0.4544
pull
Entries 84
Mean 576.7
Std Dev 528.7

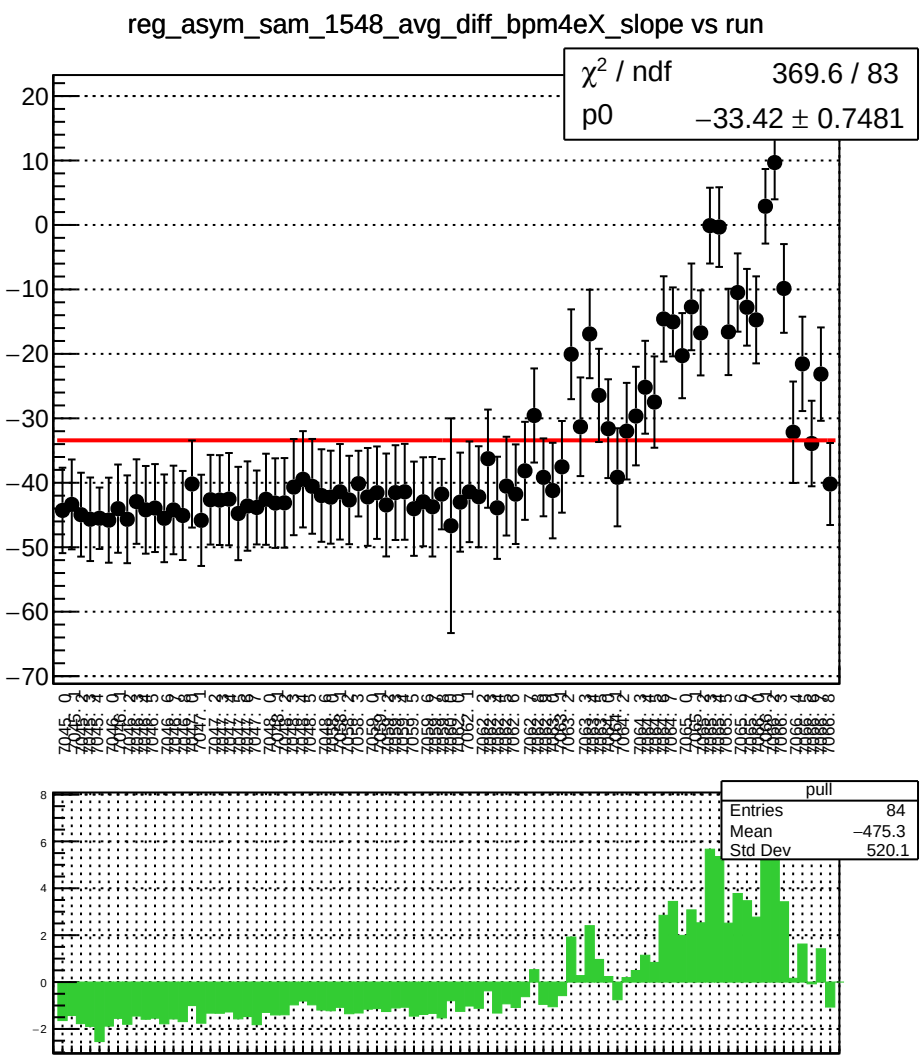

pull1D
Entries 84
Mean 0.03489
Std Dev 1.147

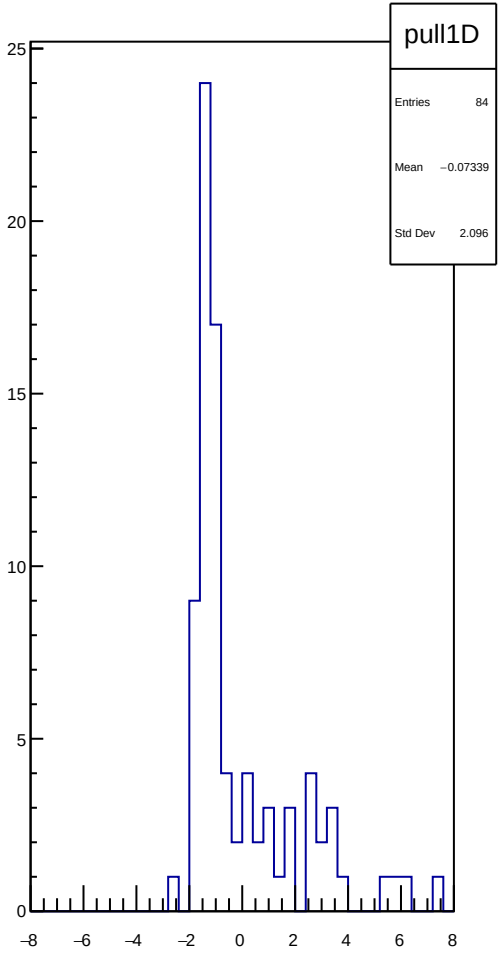

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 29.37 / 83
p0 0.4853 ± 0.02159
pull
Entries 84
Mean 333
Std Dev 287.2
pull1D
Entries 84
Mean 0.03547
Std Dev 0.5902

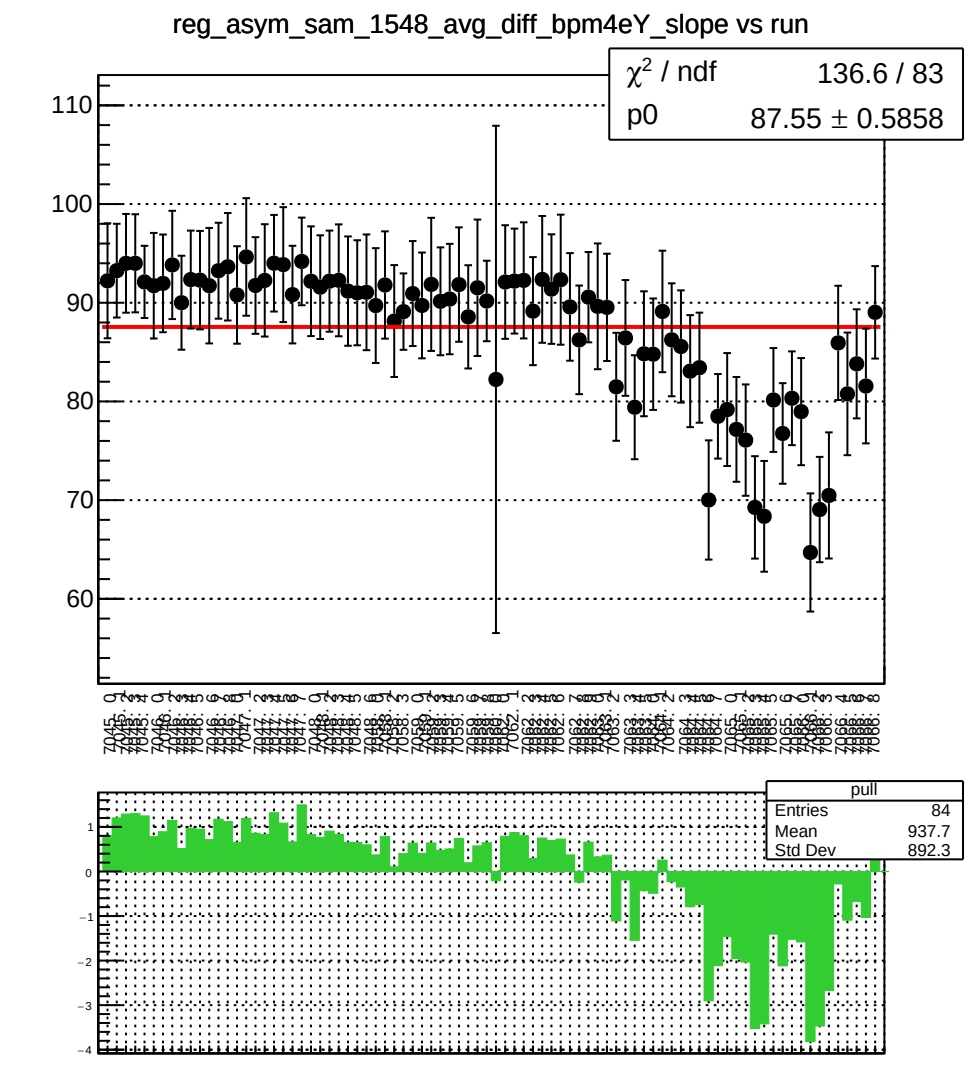

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 404.7 / 83
p0 −21.17 ± 0.784
0
−20
−40
−60
−80
pull
Entries 84
Mean −357.5
Std Dev 402.5
2
0
−2
−4
−6
−8
pull1D
Entries 84
Mean 0.1952
Std Dev 2.012
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

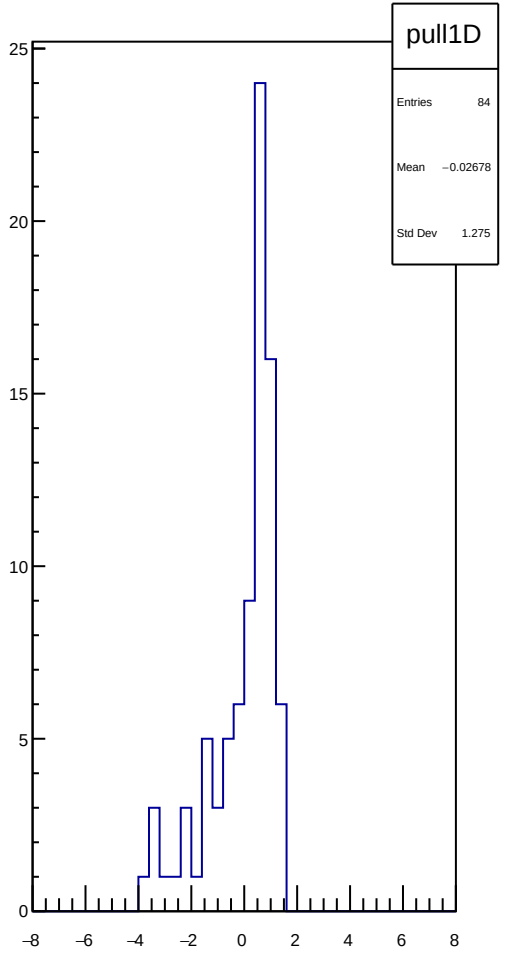

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 168.8 / 83
p0 −5.539 ± 0.5489
pull
Entries 84
Mean 732.1
Std Dev 686.2

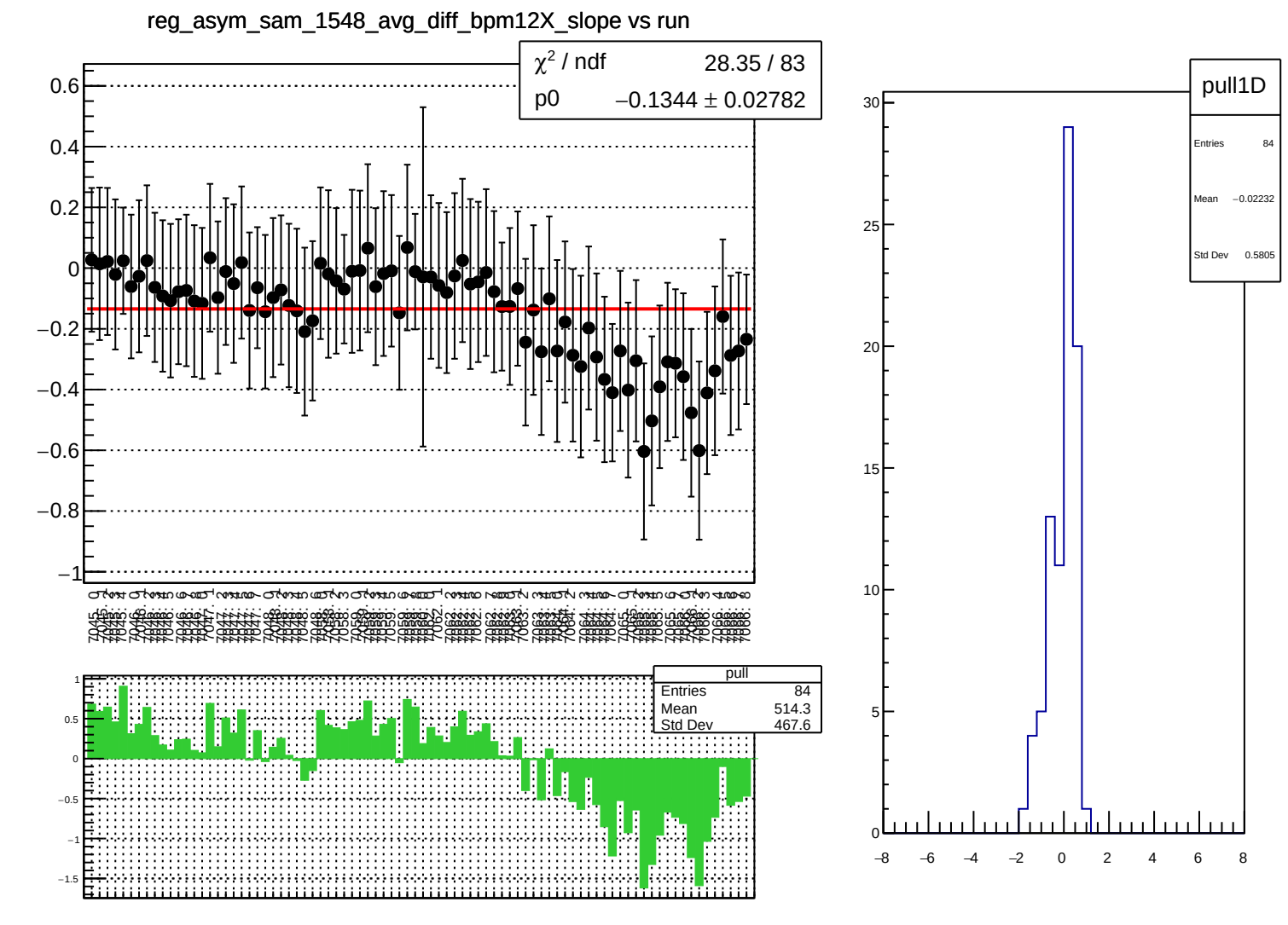

pull1D
Entries 84
Mean 0.03814
Std Dev 1.417

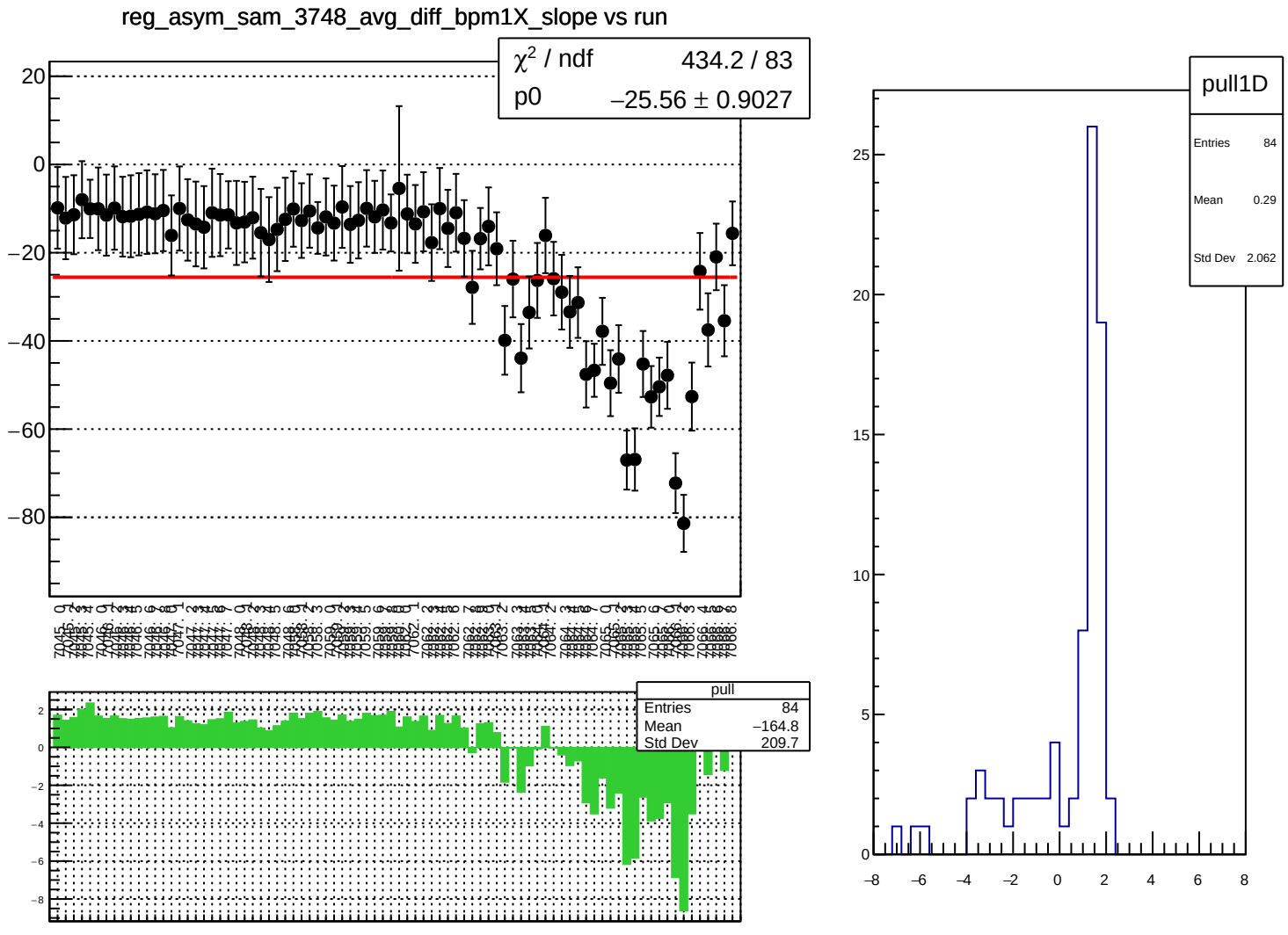

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 369.6 / 83
p0 −33.42 ± 0.7481
pull
Entries 84
Mean −475.3
Std Dev 520.1

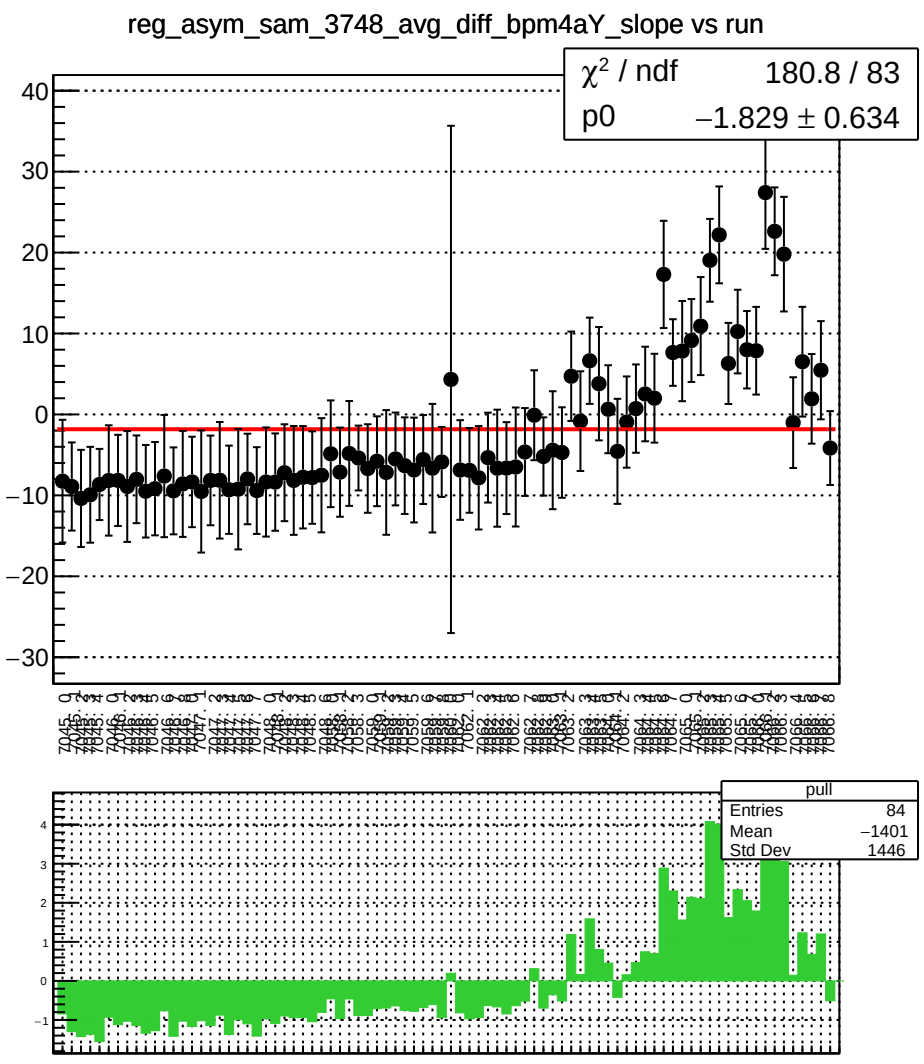

pull1D
Entries 84
Mean −0.07339
Std Dev 2.096

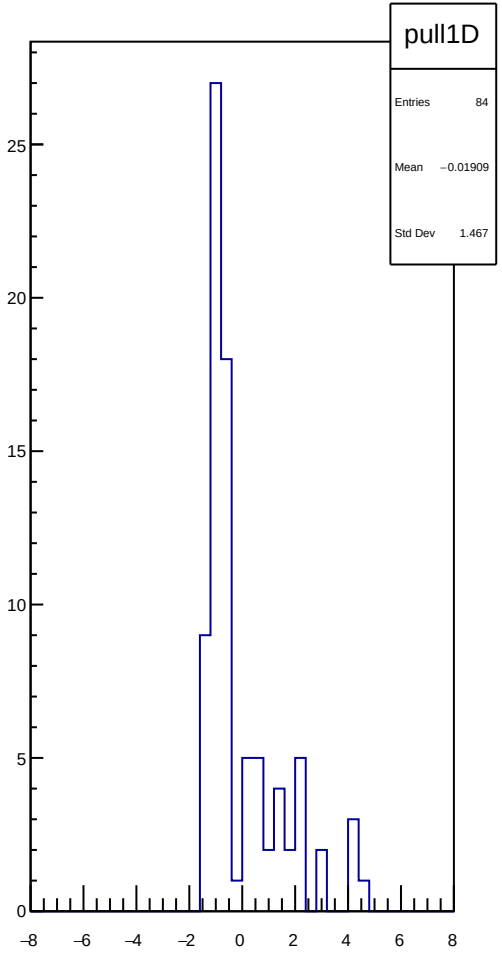

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 136.6 / 83
p0 87.55 ± 0.5858
110
100
90
80
70
60
pull
Entries 84
Mean 937.7
Std Dev 892.3
1
0
−1
−2
−3
−4

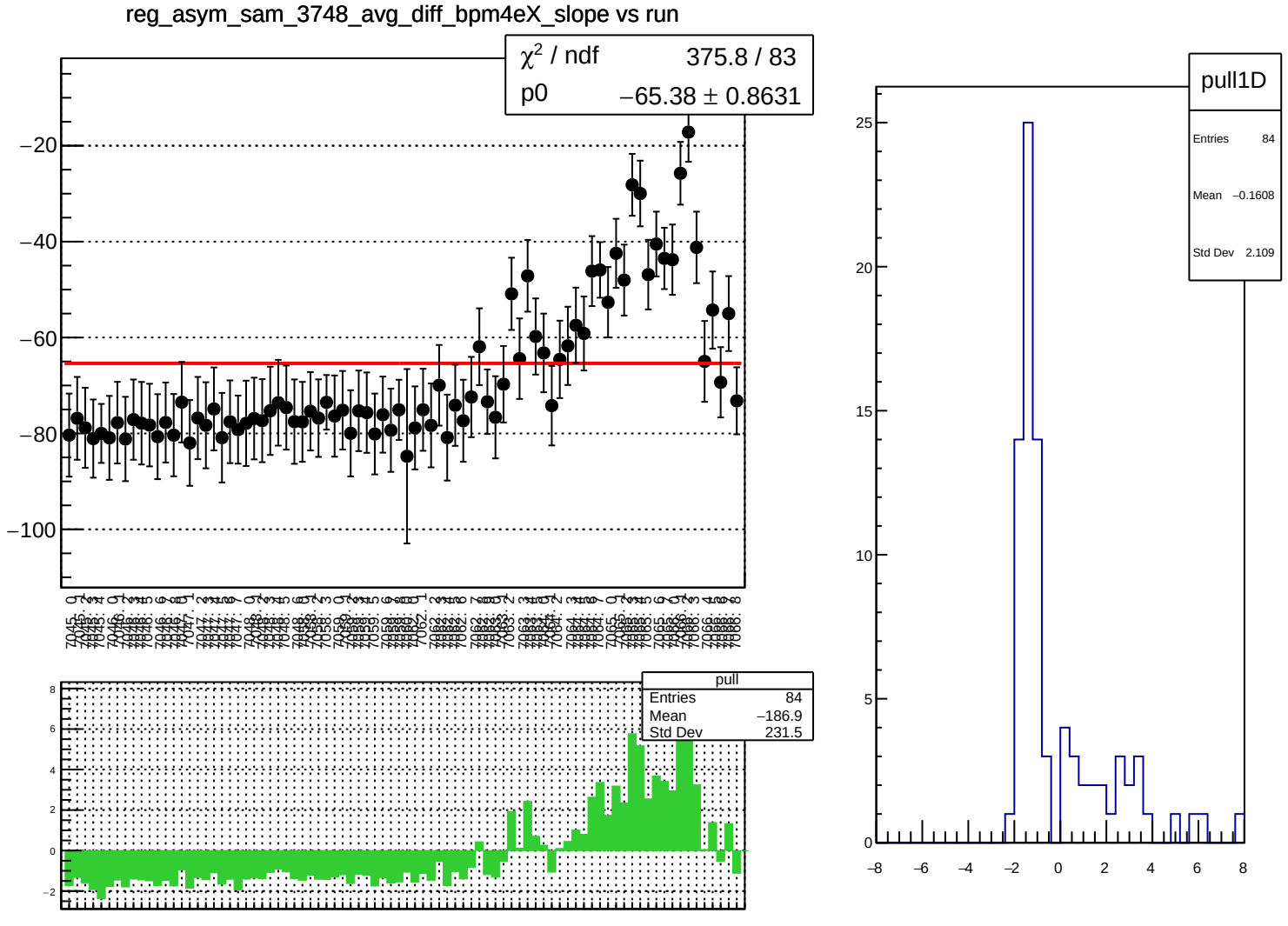

pull1D
Entries 84
Mean −0.02678
Std Dev 1.275
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

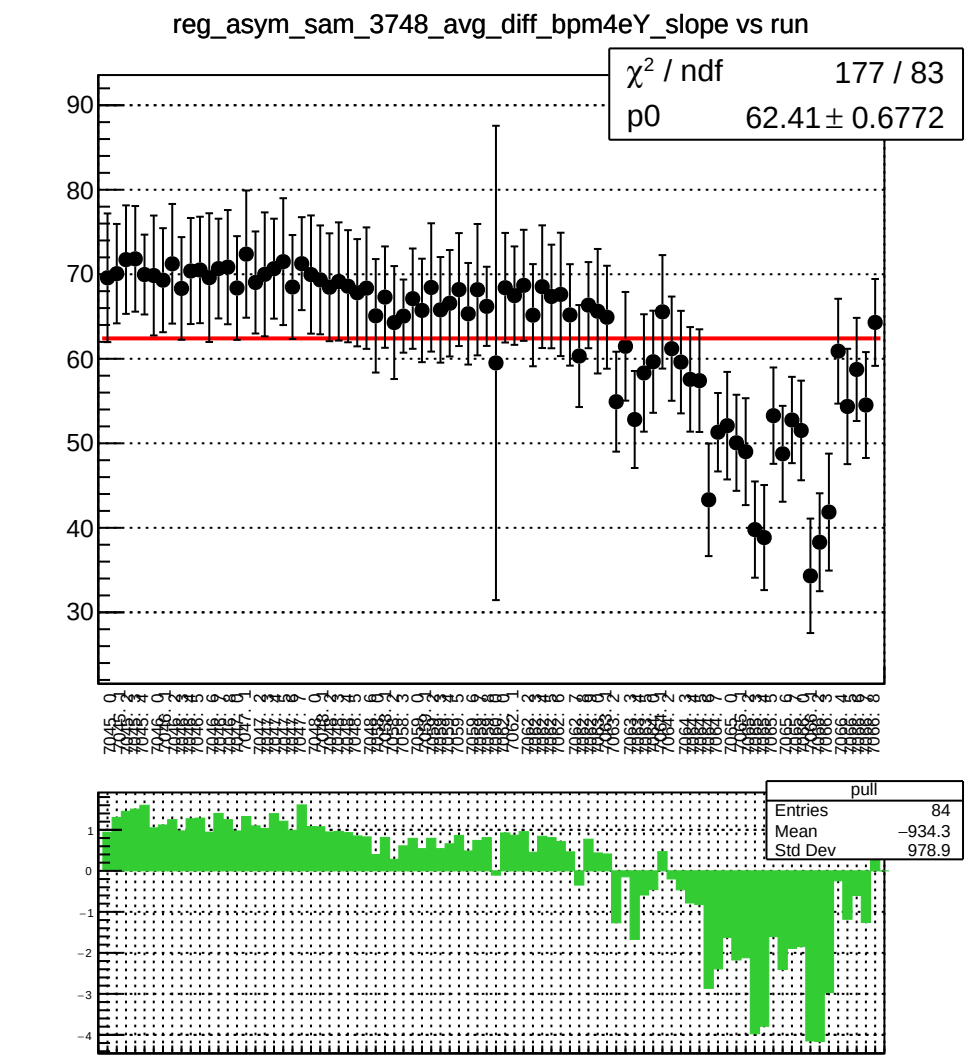

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 28.35 / 83
p0 −0.1344 ± 0.02782
pull
Entries 84
Mean 514.3
Std Dev 467.6
pull1D
Entries 84
Mean −0.02232
Std Dev 0.5805

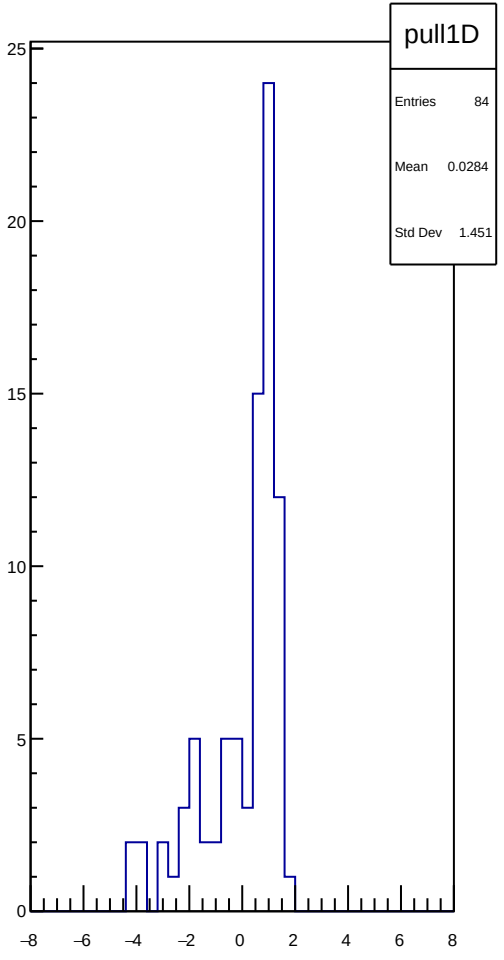

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 434.2 / 83
p0 −25.56 ± 0.9027
pull
Entries 84
Mean −164.8
Std Dev 209.7
pull1D
Entries 84
Mean 0.29
Std Dev 2.062

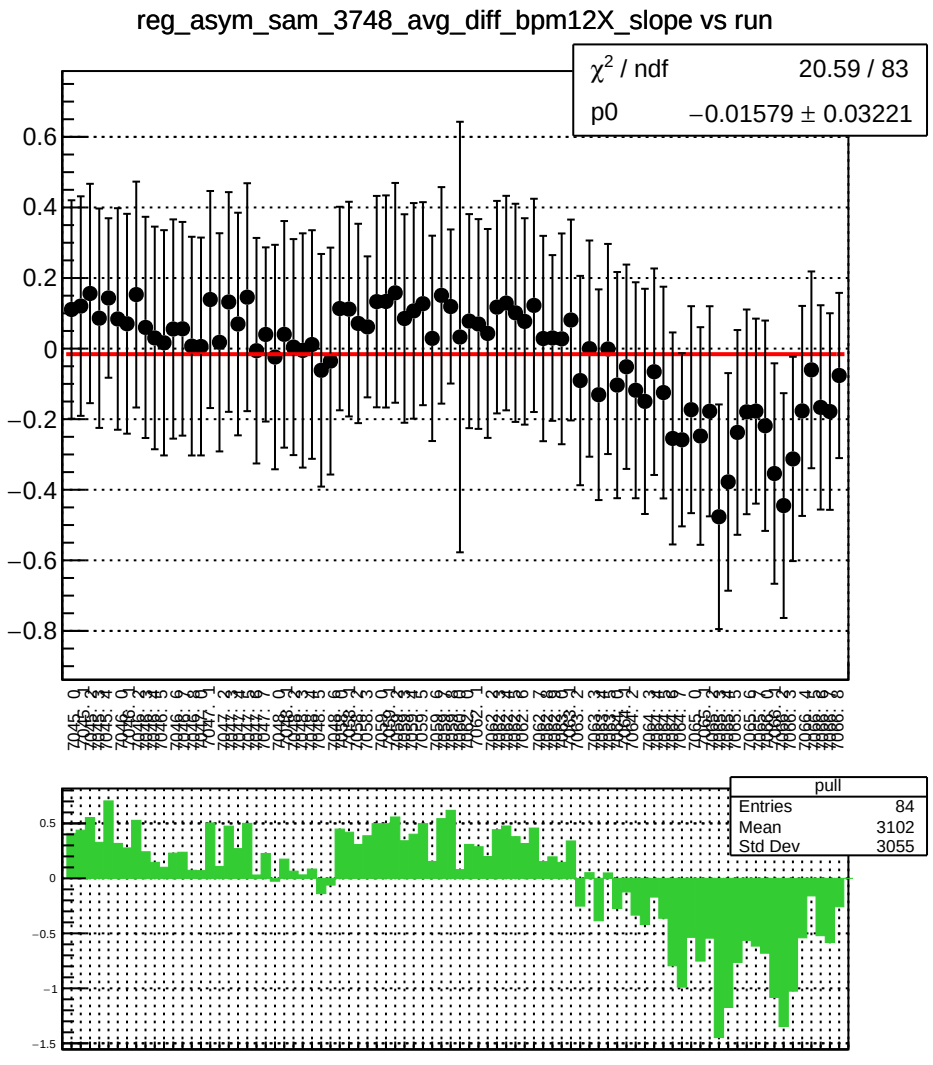

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 180.8 / 83
p0 −1.829 ± 0.634
pull
Entries 84
Mean −1401
Std Dev 1446

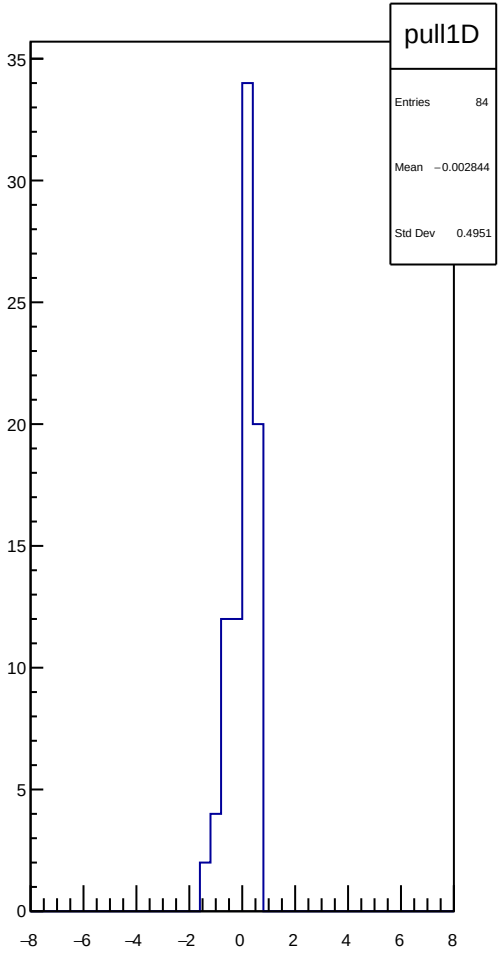

pull1D
Entries 84
Mean −0.01909
Std Dev 1.467

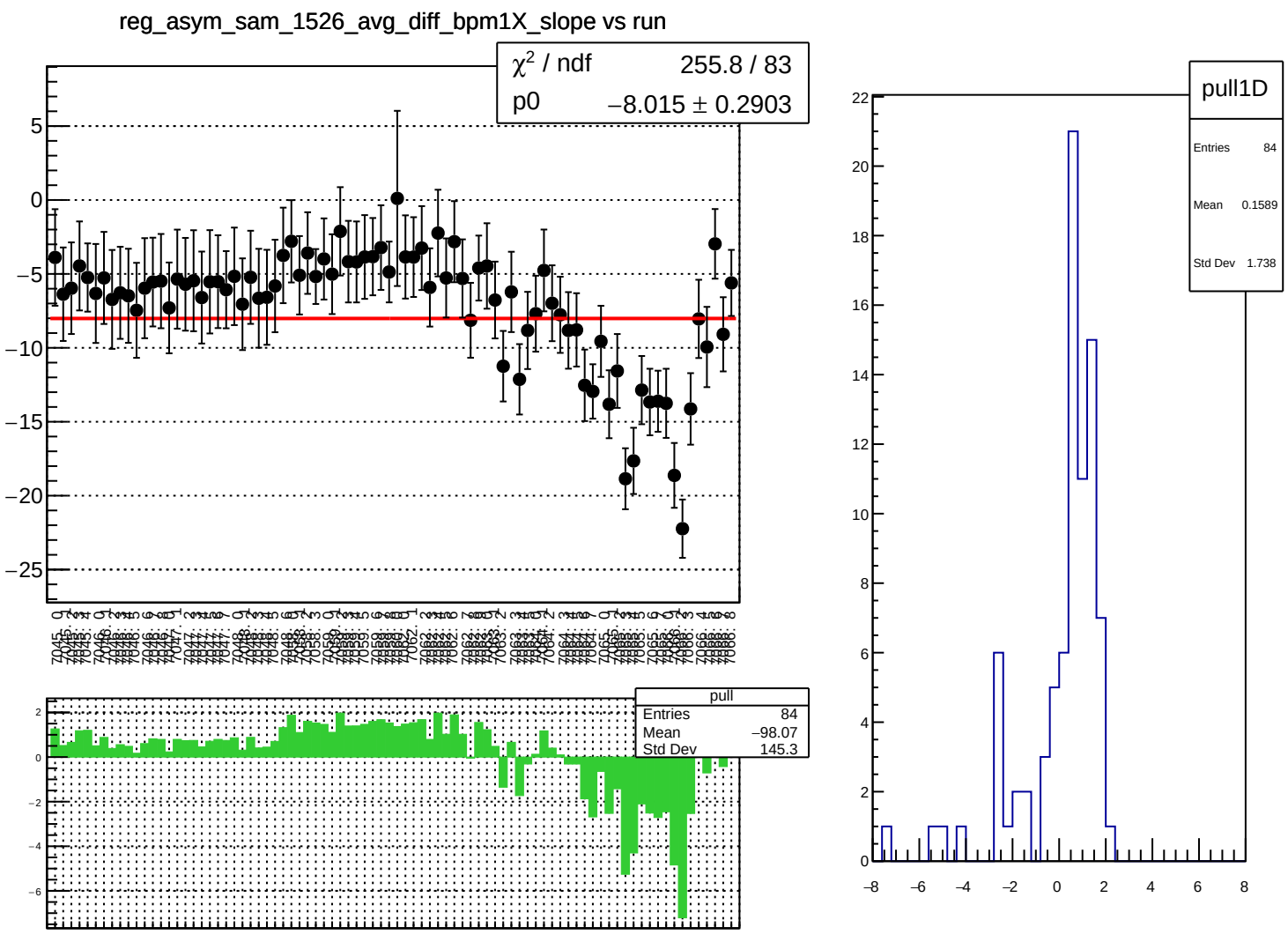

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 375.8 / 83
p0 −65.38 ± 0.8631
−20
−40
−60
−80
−100
pull
Entries 84
Mean −186.9
Std Dev 231.5
8
6
4
2
0
−2
pull1D
Entries 84
Mean −0.1608
Std Dev 2.109
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

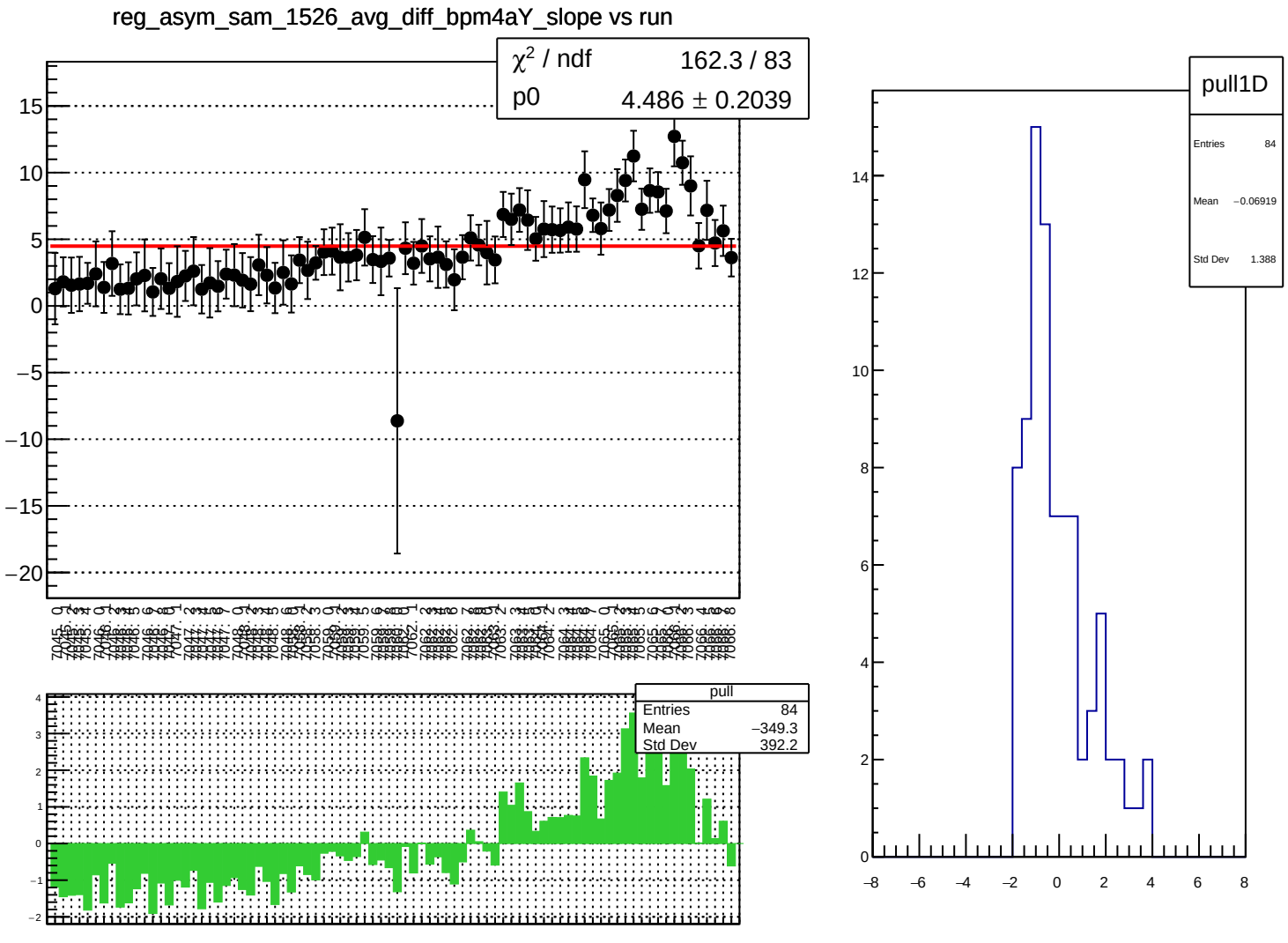

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 177 / 83
p0 62.41 ± 0.6772
pull
Entries 84
Mean −934.3
Std Dev 978.9

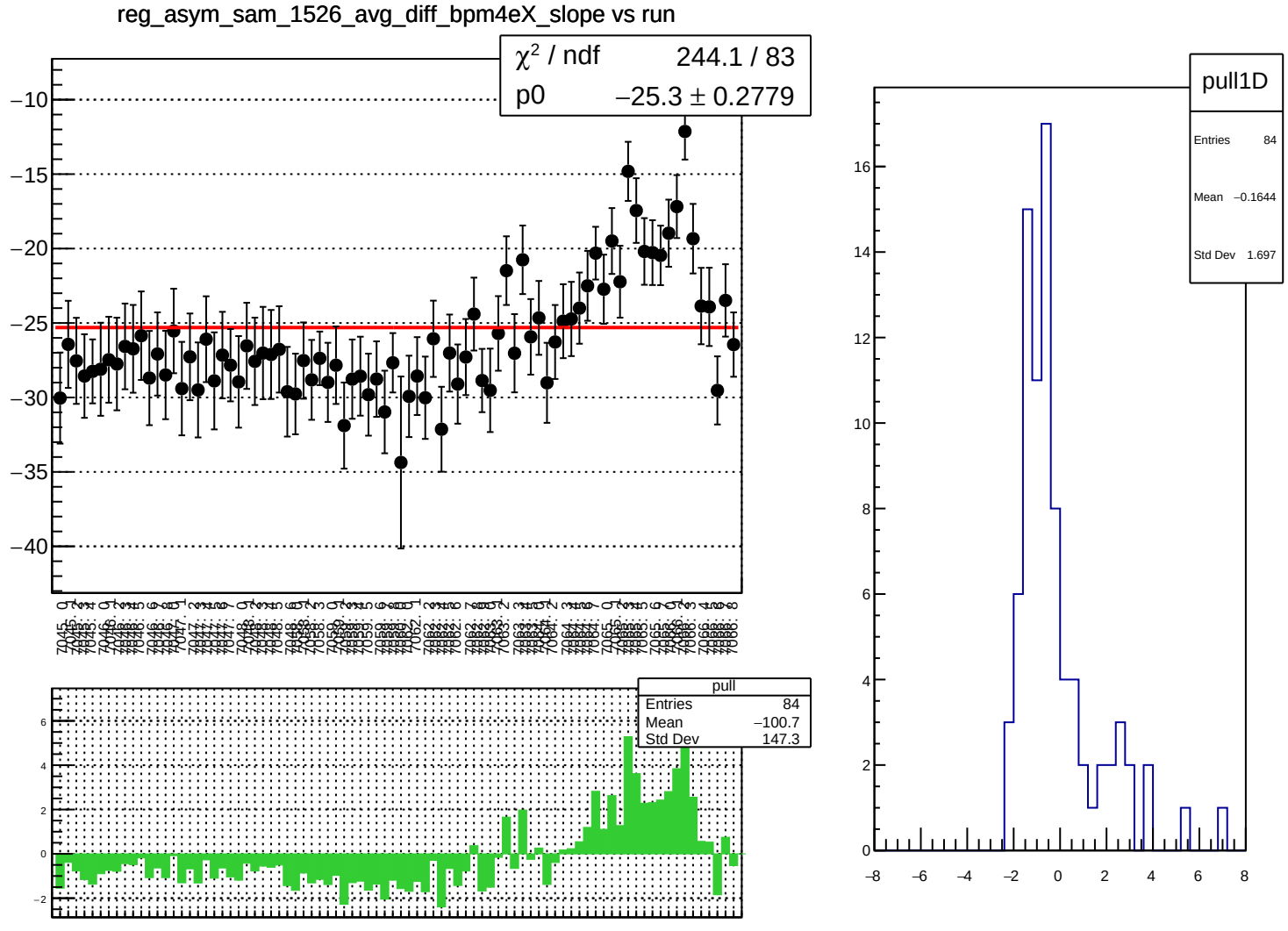

pull1D
Entries 84
Mean 0.0284
Std Dev 1.451

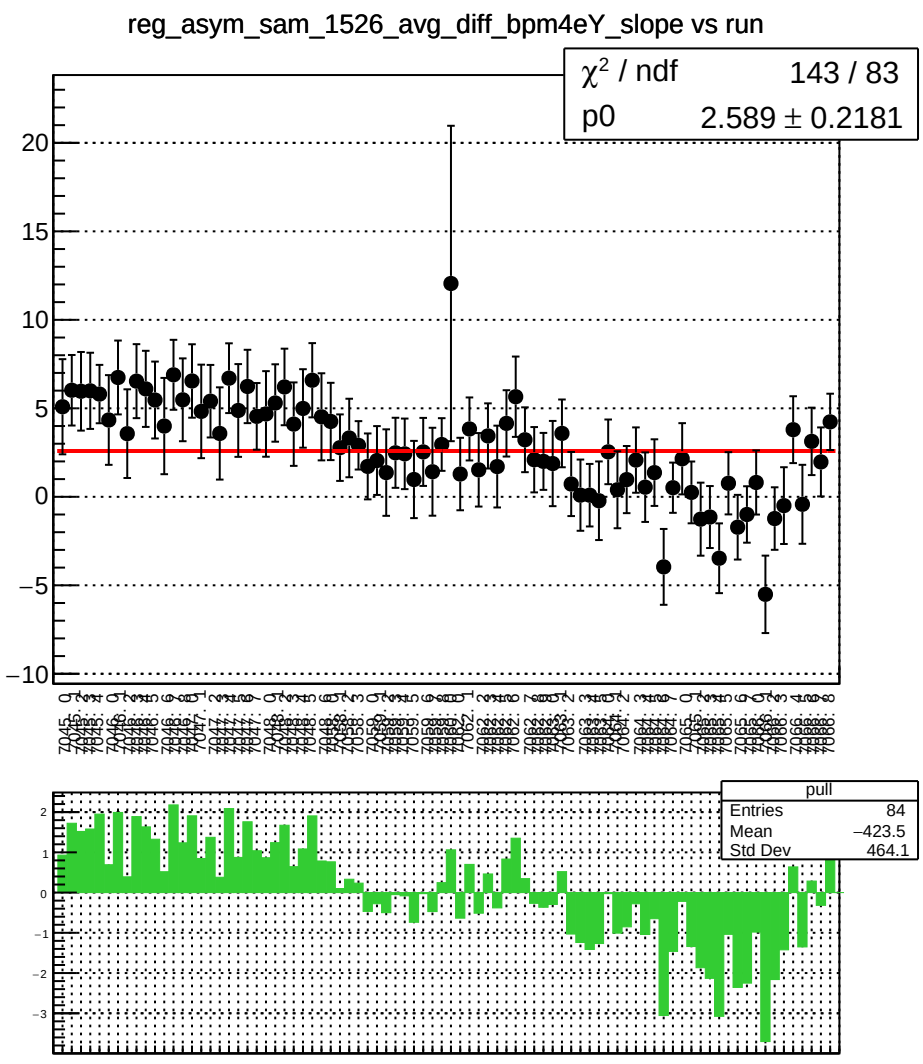

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 20.59 / 83
p0 −0.01579 ± 0.03221
pull
Entries 84
Mean 3102
Std Dev 3055

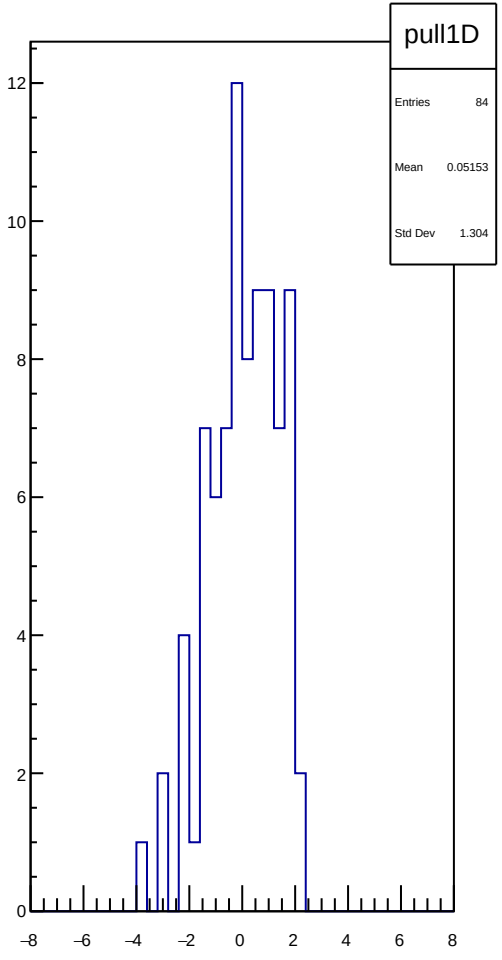

pull1D
Entries 84
Mean −0.002844
Std Dev 0.4951

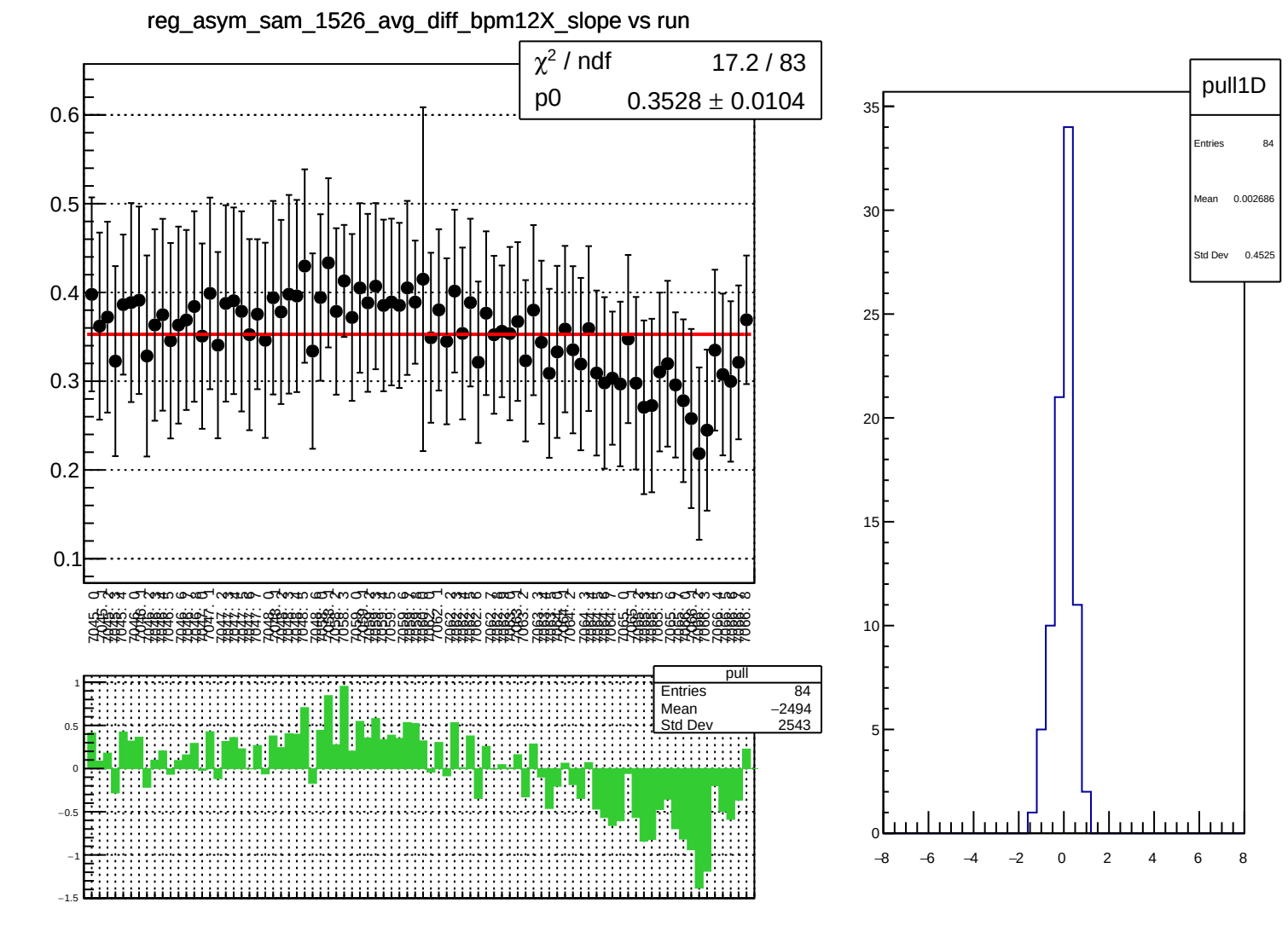

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 255.8 / 83
p0 −8.015 ± 0.2903
pull
Entries 84
Mean −98.07
Std Dev 145.3
pull1D
Entries 84
Mean 0.1589
Std Dev 1.738

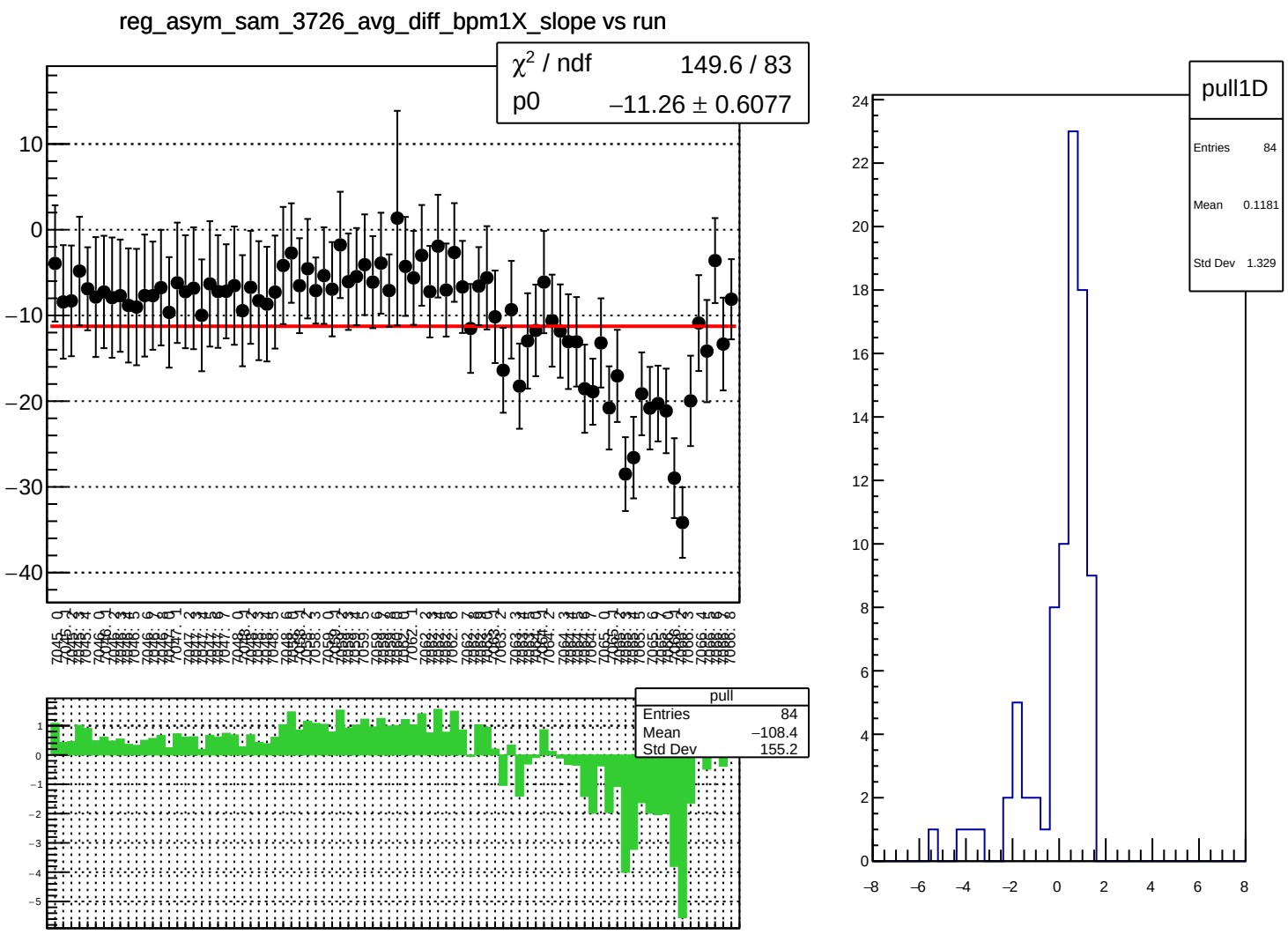

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 162.3 / 83
p0 4.486 ± 0.2039
pull
Entries 84
Mean −349.3
Std Dev 392.2
pull1D
Entries 84
Mean −0.06919
Std Dev 1.388

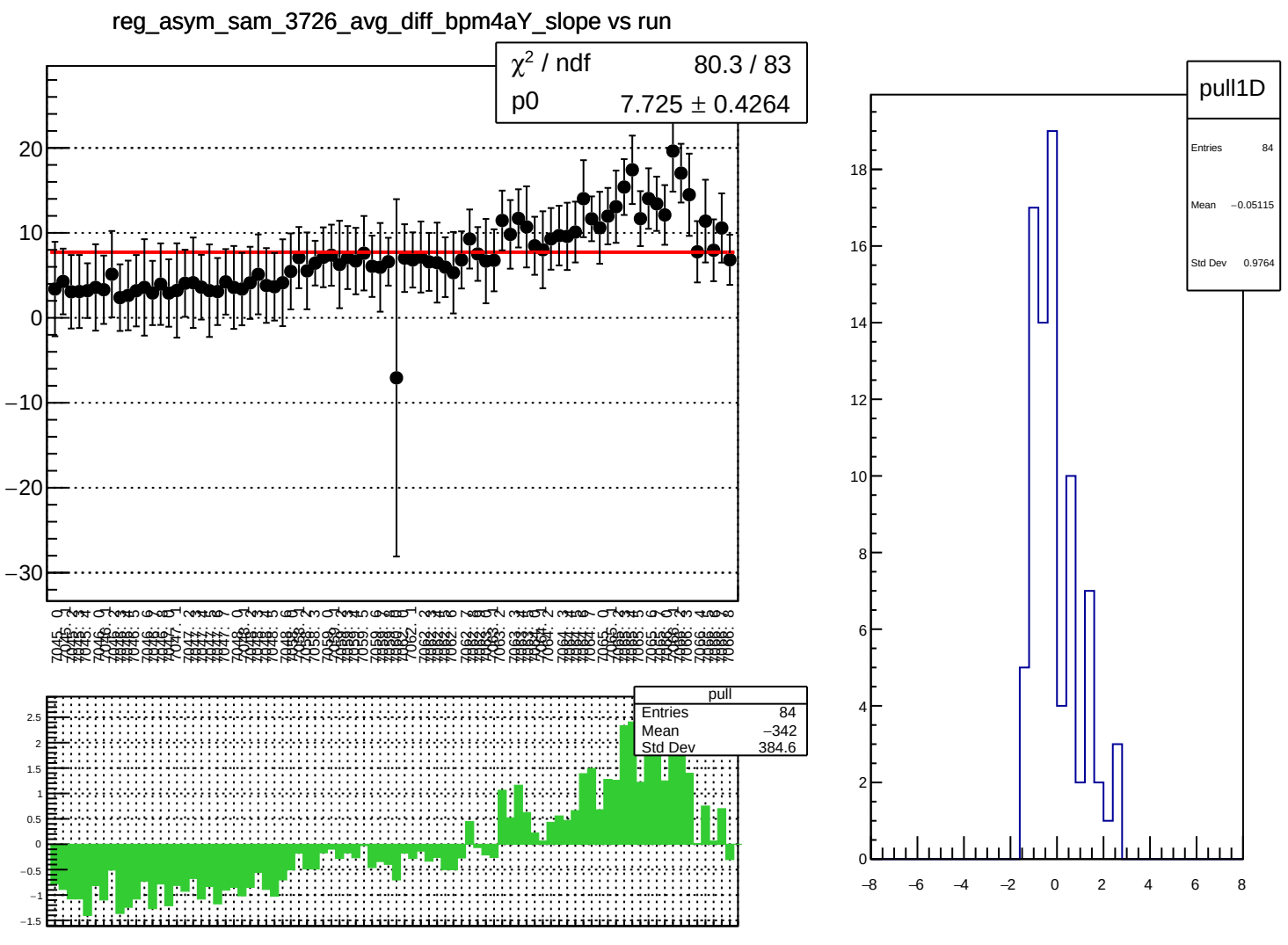

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 244.1 / 83
p0 −25.3 ± 0.2779
pull
Entries 84
Mean −100.7
Std Dev 147.3
pull1D
Entries 84
Mean −0.1644
Std Dev 1.697

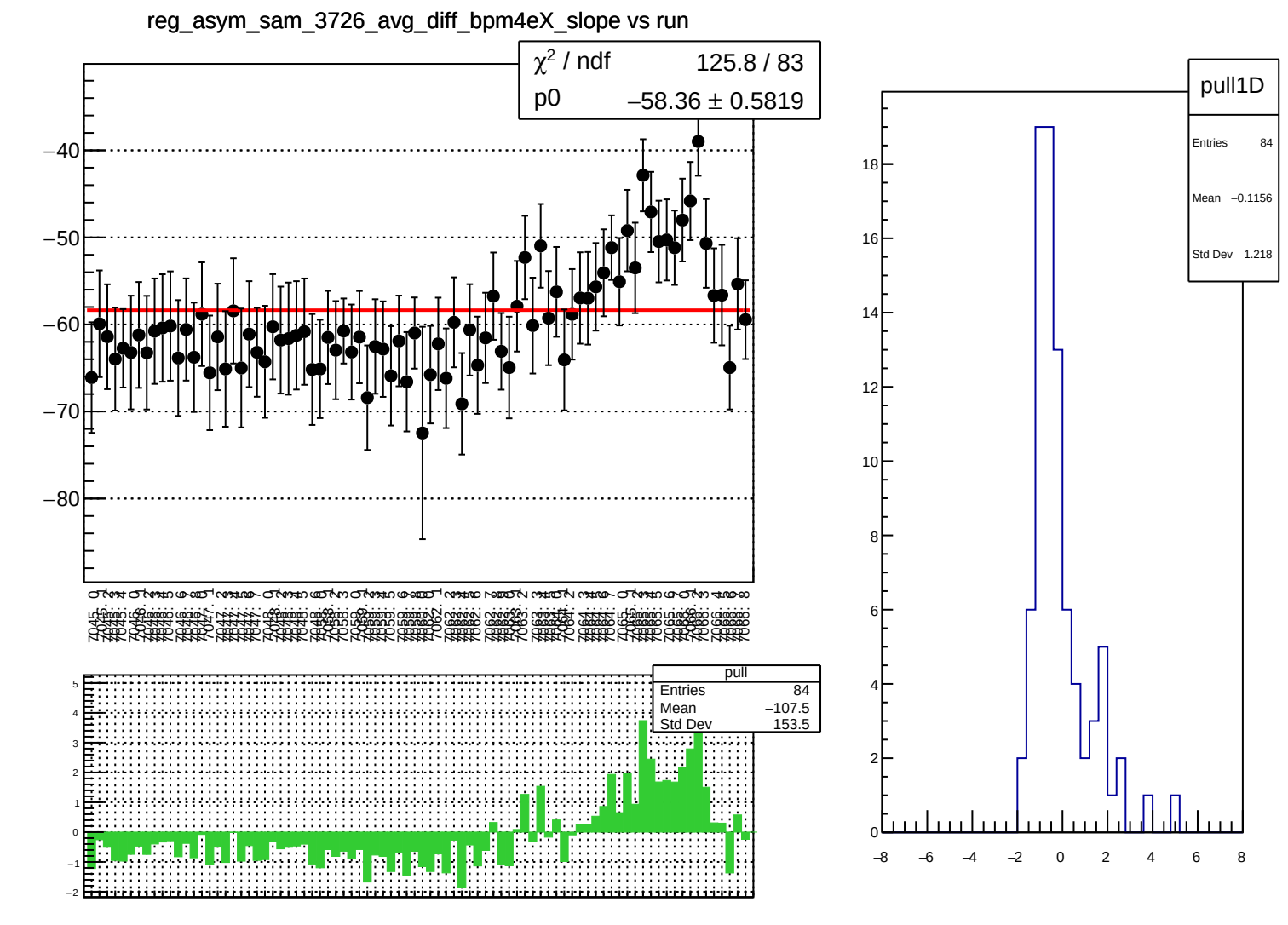

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 143 / 83
p0 2.589 ± 0.2181
pull
Entries 84
Mean −423.5
Std Dev 464.1

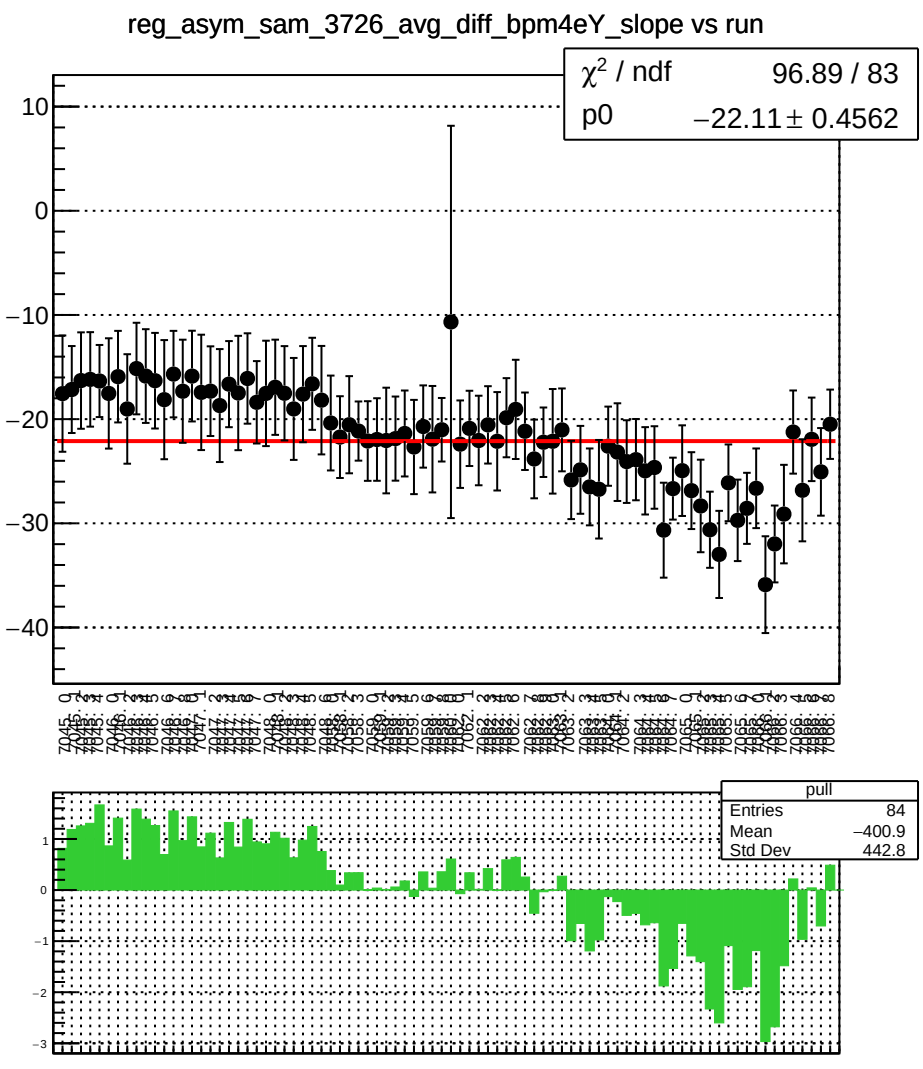

pull1D
Entries 84
Mean 0.05153
Std Dev 1.304

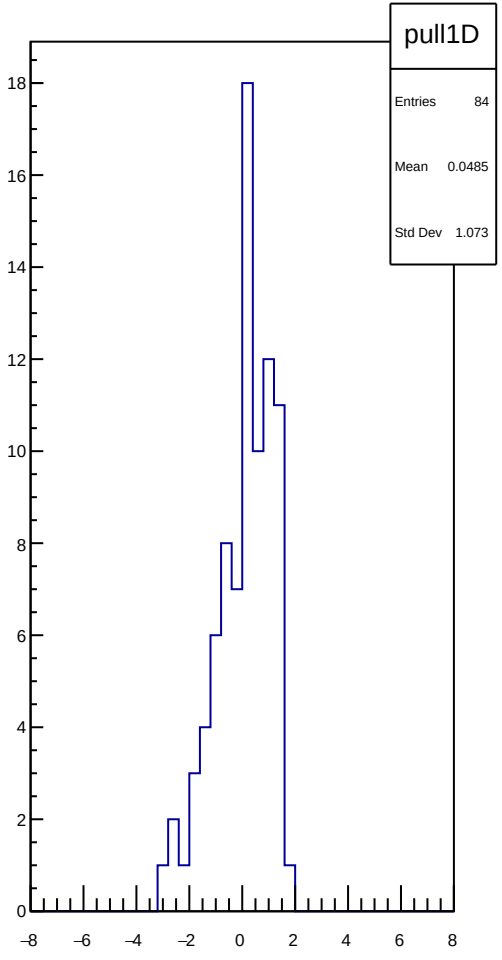

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 17.2 / 83
p0 0.3528 ± 0.0104
pull
Entries 84
Mean −2494
Std Dev 2543
pull1D
Entries 84
Mean 0.002686
Std Dev 0.4525

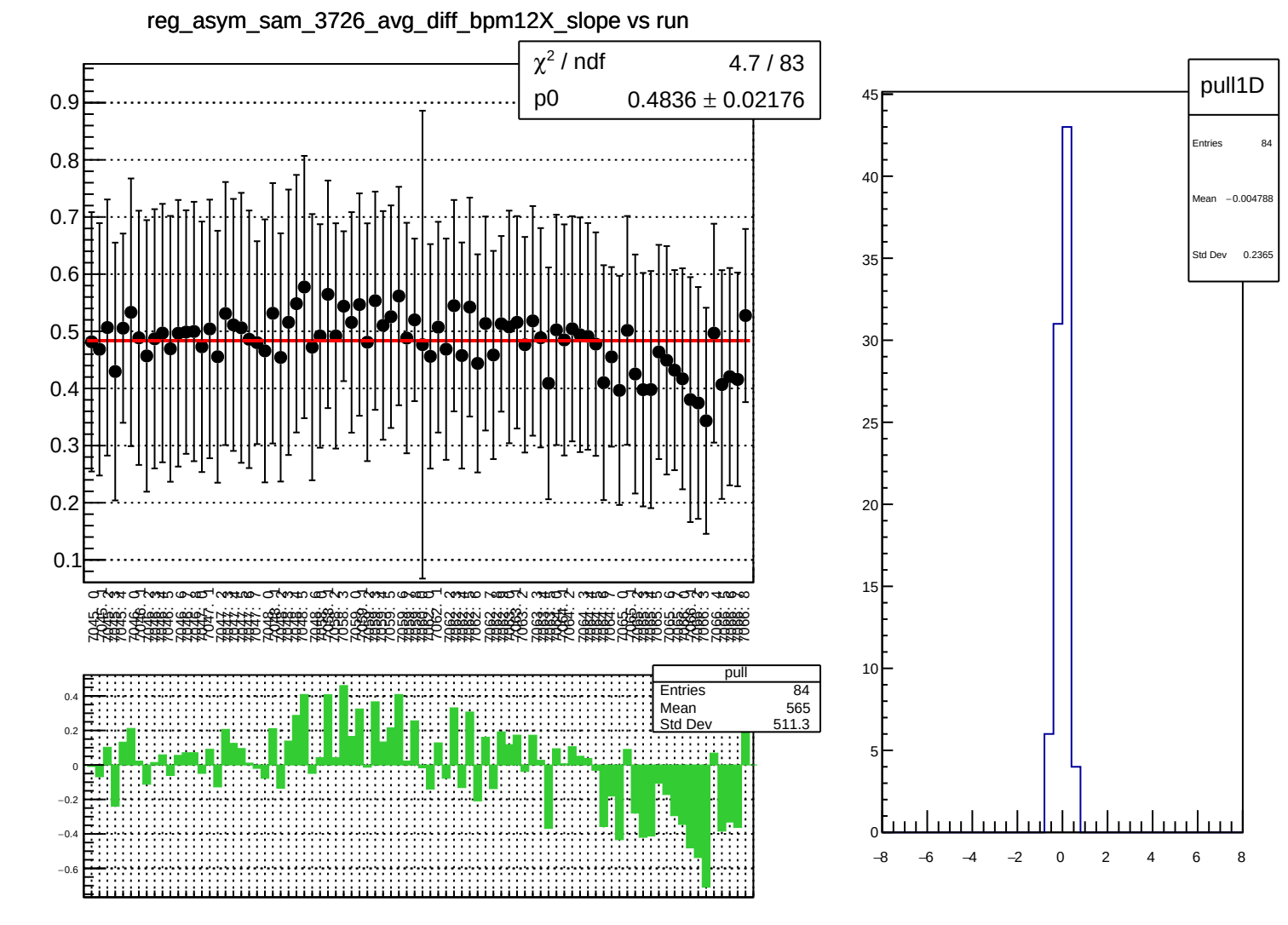

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 149.6 / 83
p0 −11.26 ± 0.6077
pull
Entries 84
Mean −108.4
Std Dev 155.2
pull1D
Entries 84
Mean 0.1181
Std Dev 1.329

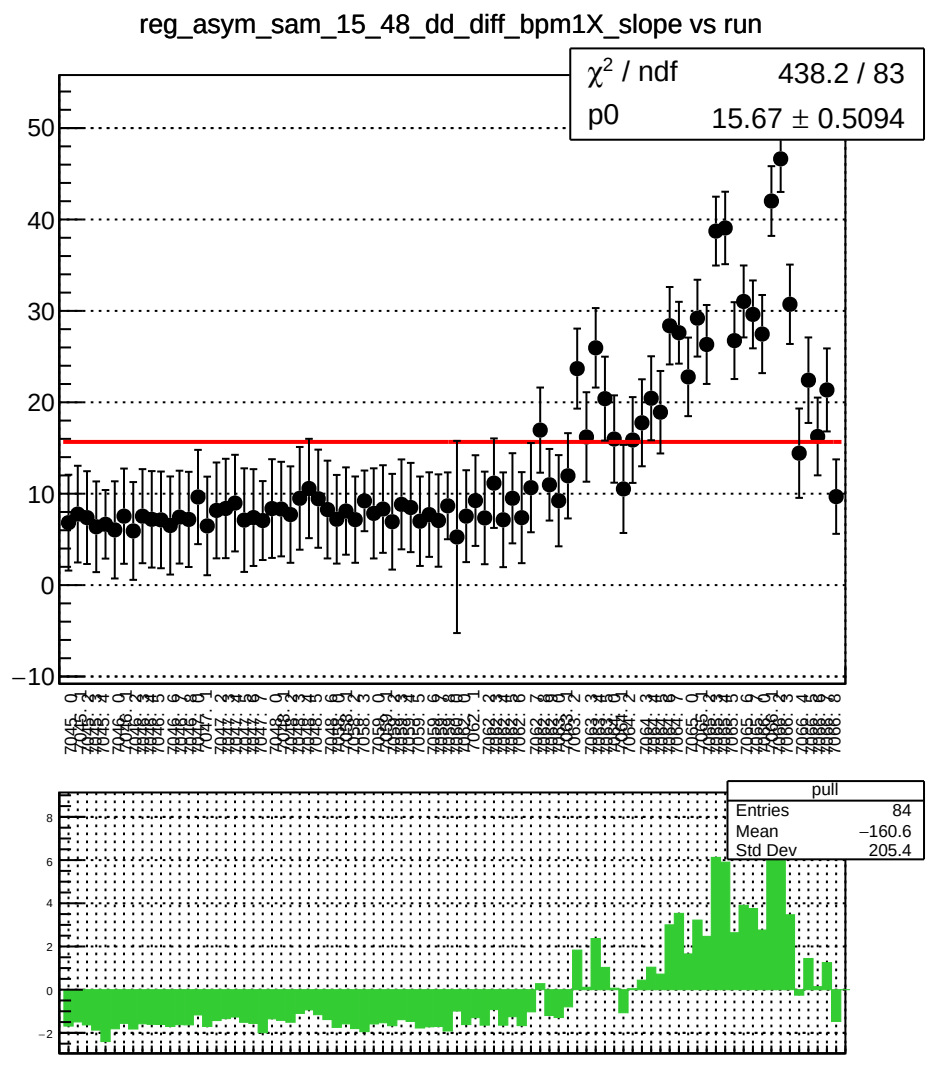

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 80.3 / 83
p0 7.725 ± 0.4264
pull
Entries 84
Mean −342
Std Dev 384.6
pull1D
Entries 84
Mean −0.05115
Std Dev 0.9764

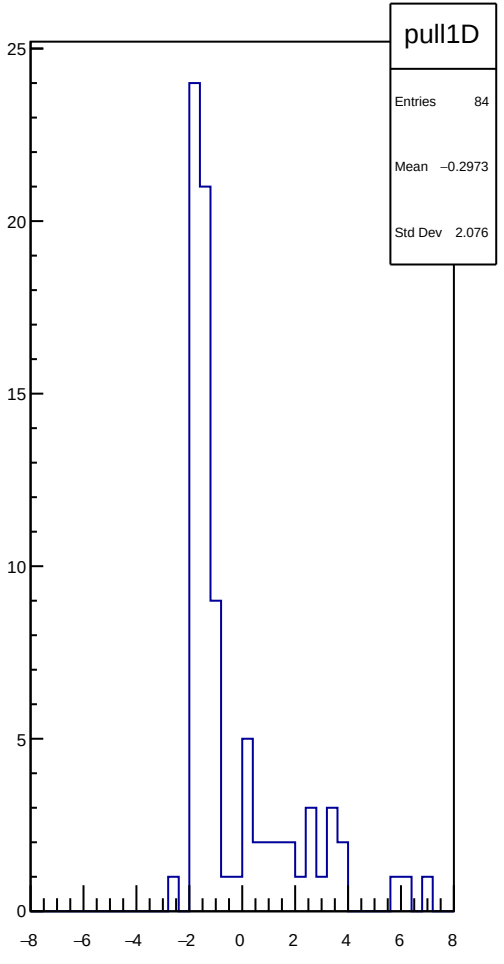

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 125.8 / 83
p0 −58.36 ± 0.5819
pull
Entries 84
Mean −107.5
Std Dev 153.5
pull1D
Entries 84
Mean −0.1156
Std Dev 1.218

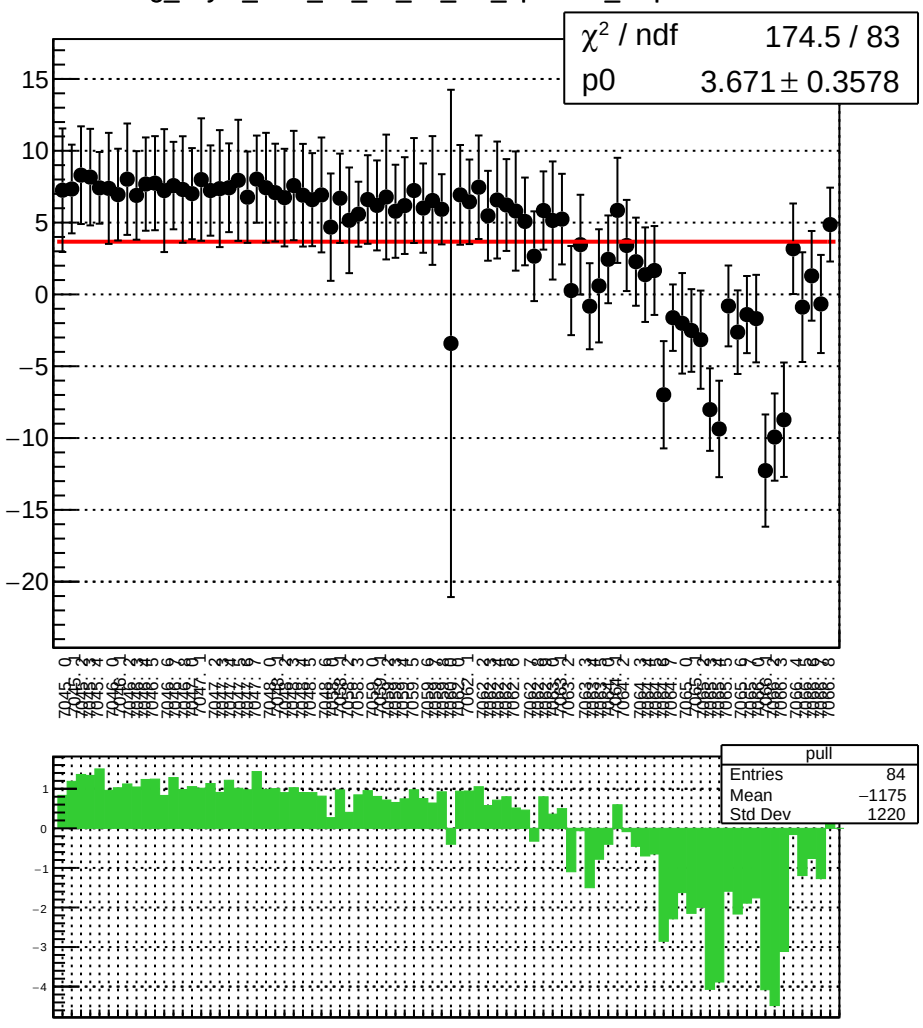

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 96.89 / 83
p0 −22.11 ± 0.4562
pull
Entries 84
Mean −400.9
Std Dev 442.8

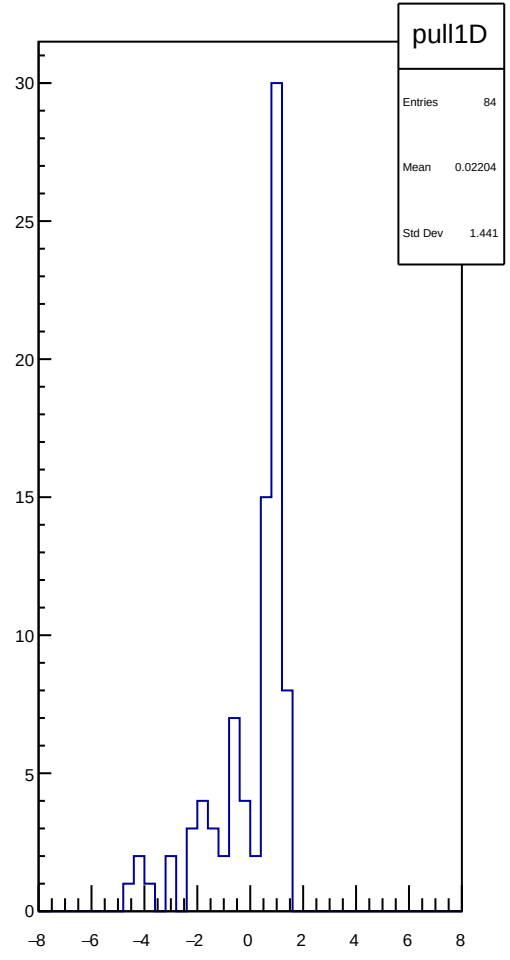

pull1D
Entries 84
Mean 0.0485
Std Dev 1.073

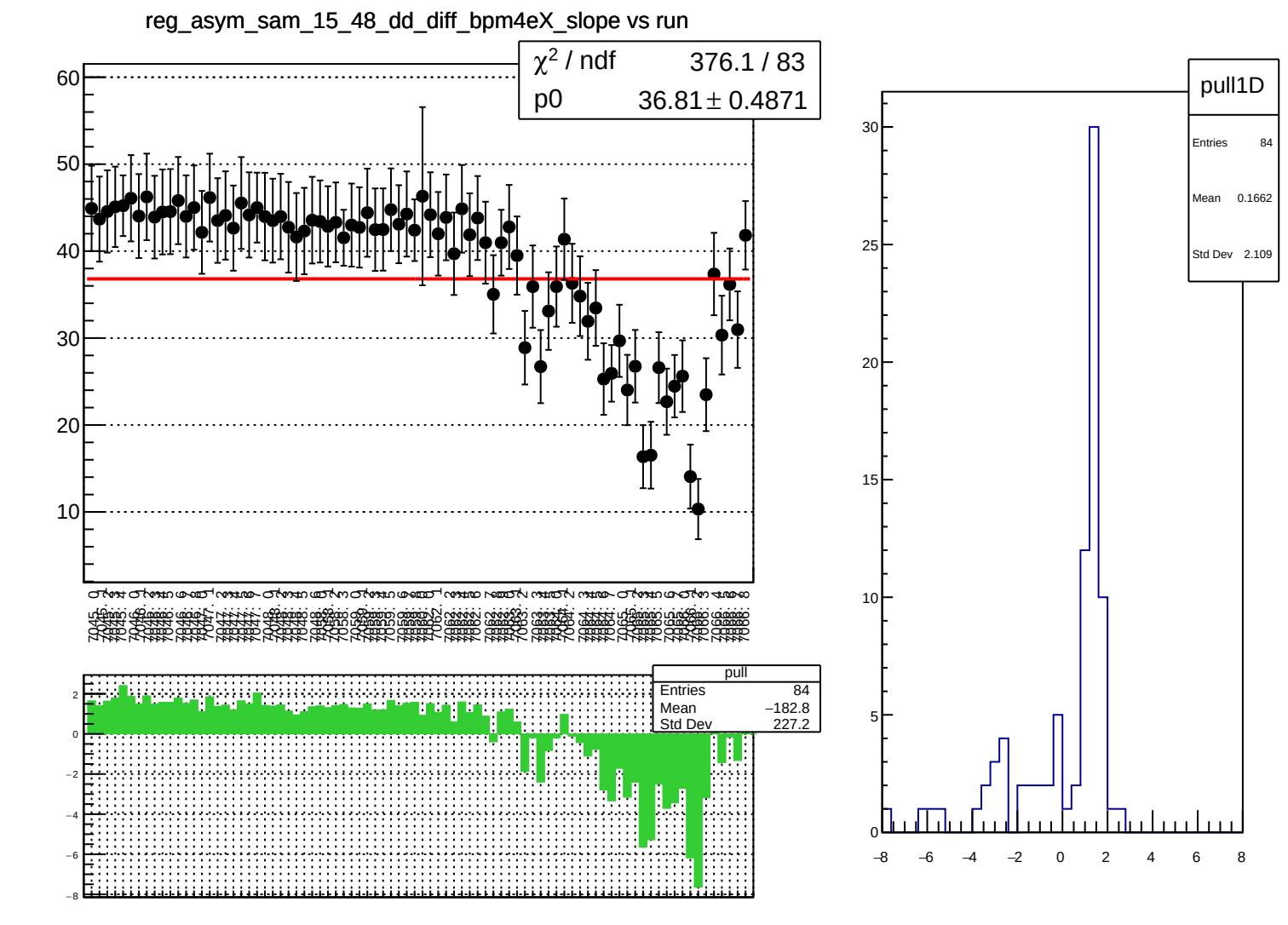

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 4.7 / 83
p0 0.4836 ± 0.02176
pull
Entries 84
Mean 565
Std Dev 511.3
pull1D
Entries 84
Mean −0.004788
Std Dev 0.2365

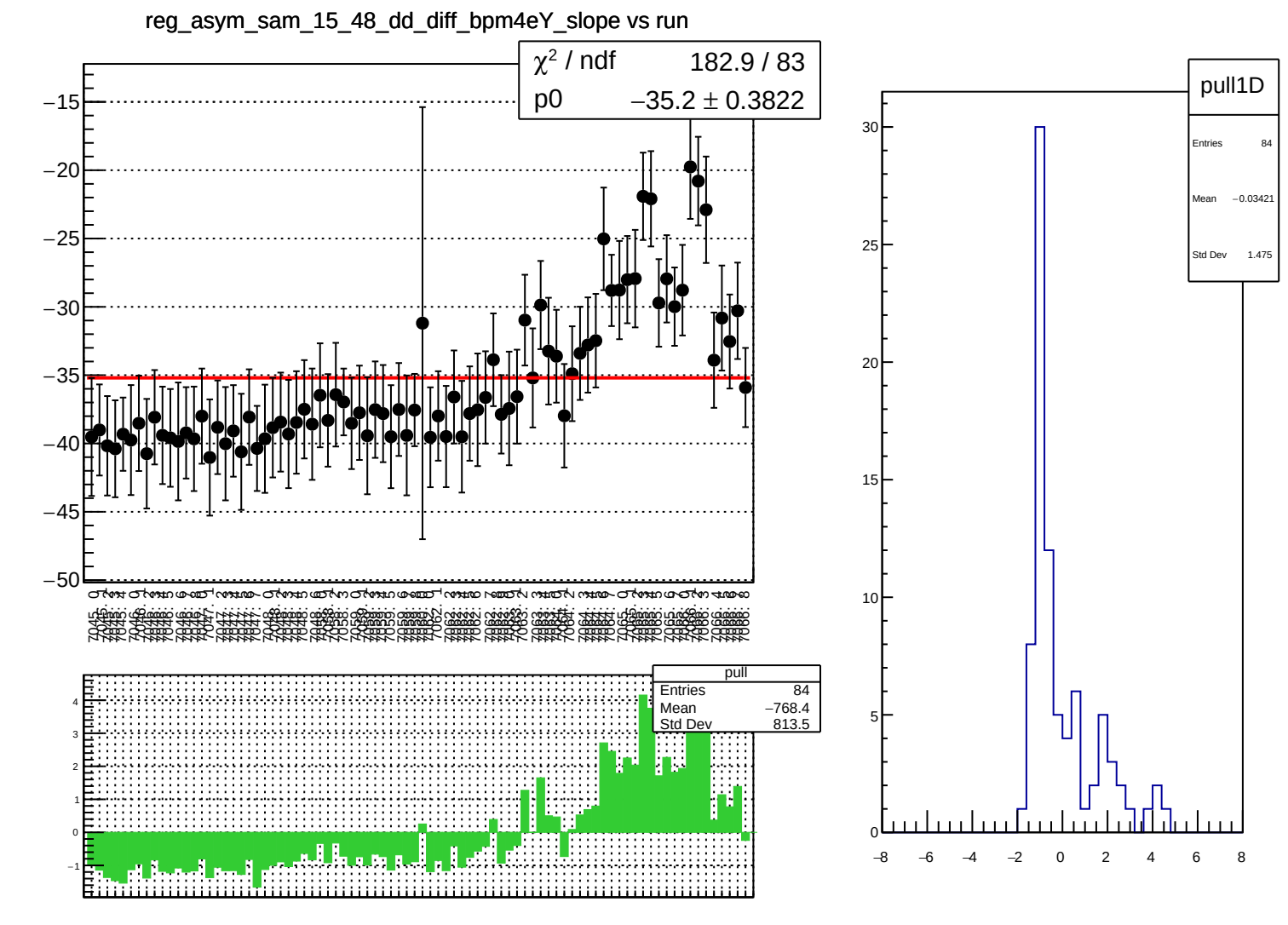

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 438.2 / 83
p0 15.67 ± 0.5094
pull
Entries 84
Mean −160.6
Std Dev 205.4

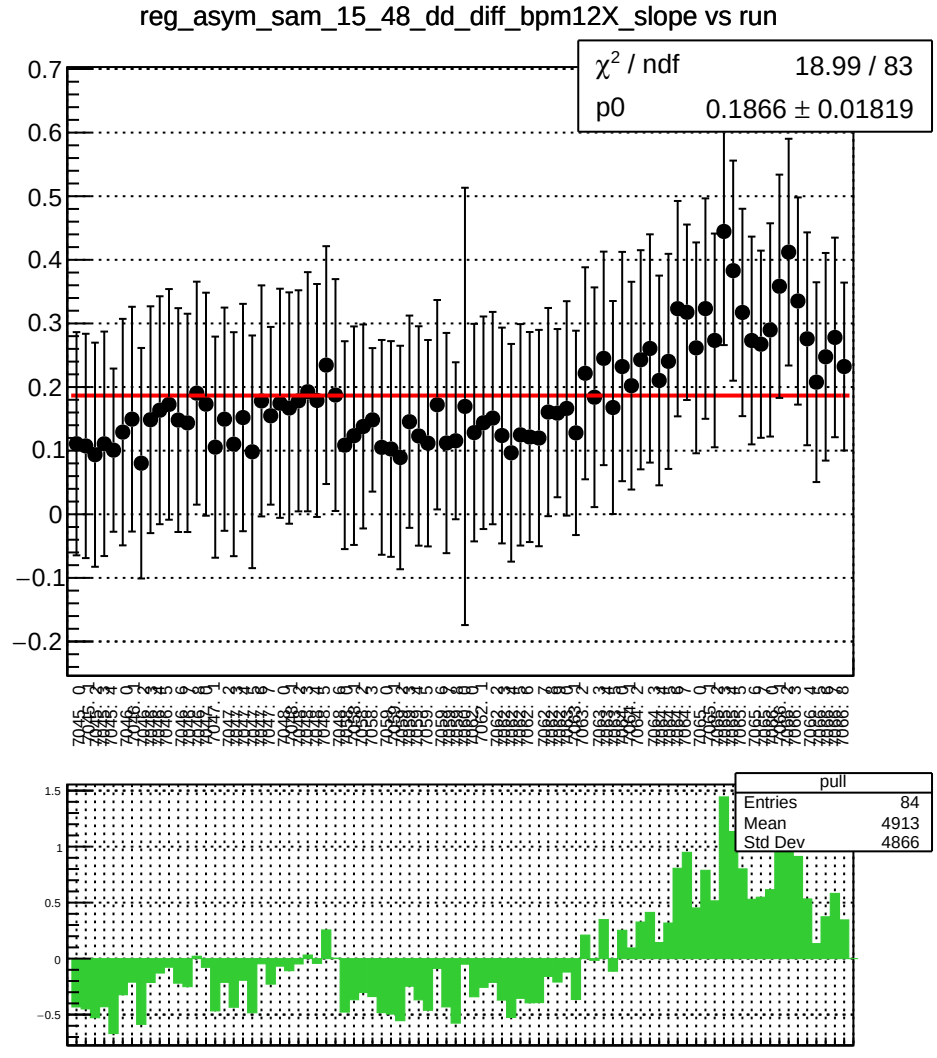

pull1D
Entries 84
Mean −0.2973
Std Dev 2.076

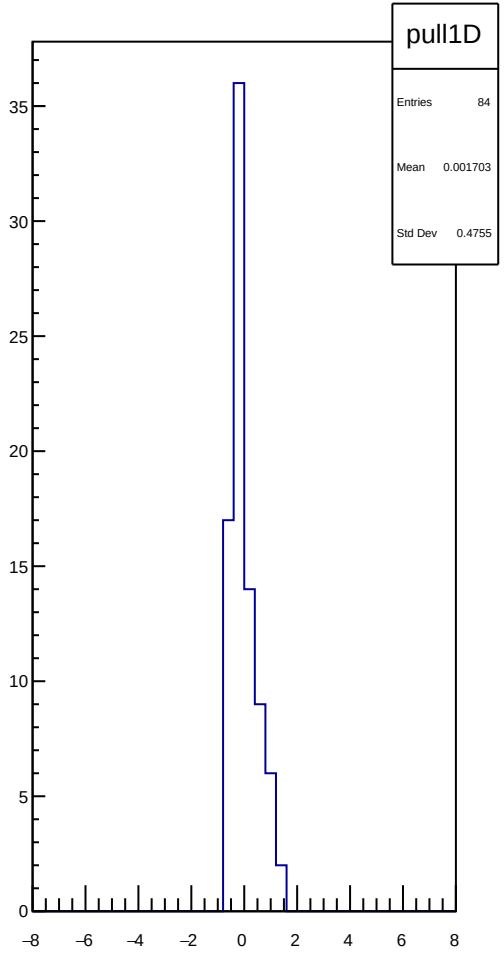

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 174.5 / 83
p0 3.671 ± 0.3578
pull
Entries 84
Mean −1175
Std Dev 1220

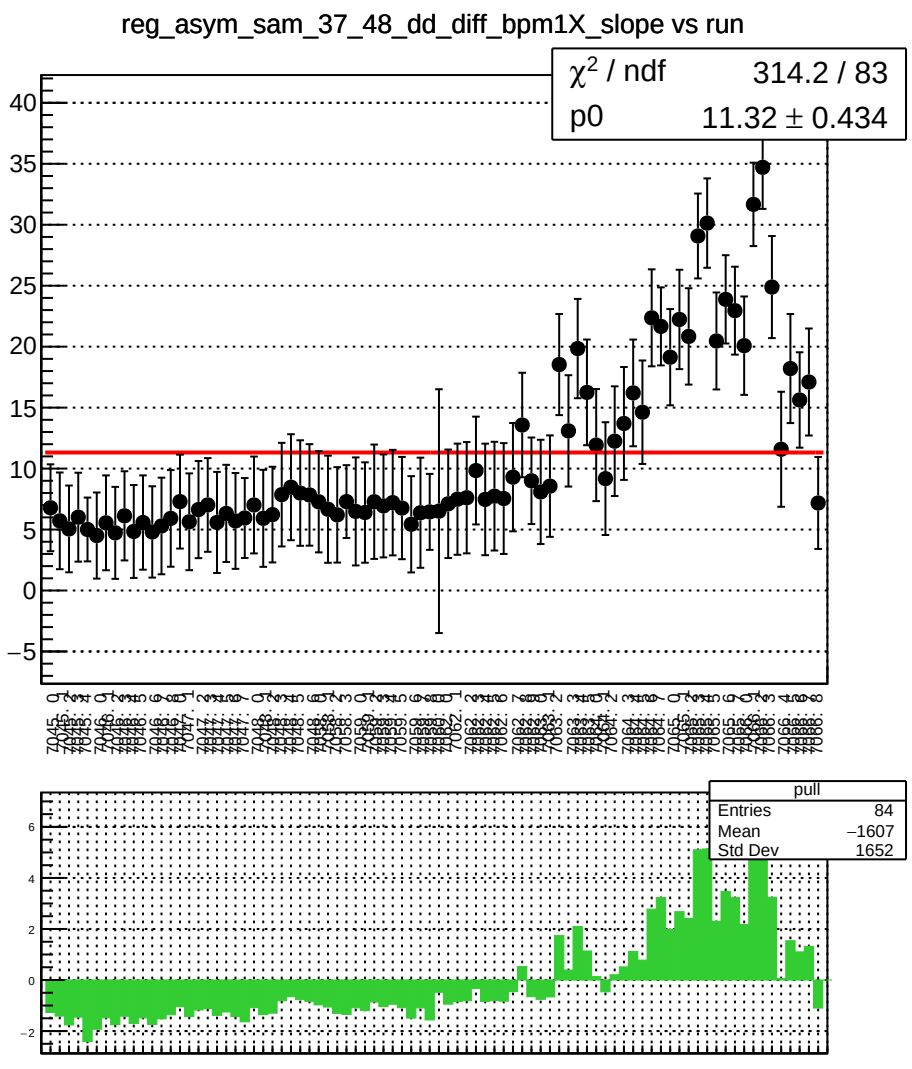

pull1D
Entries 84
Mean 0.02204
Std Dev 1.441

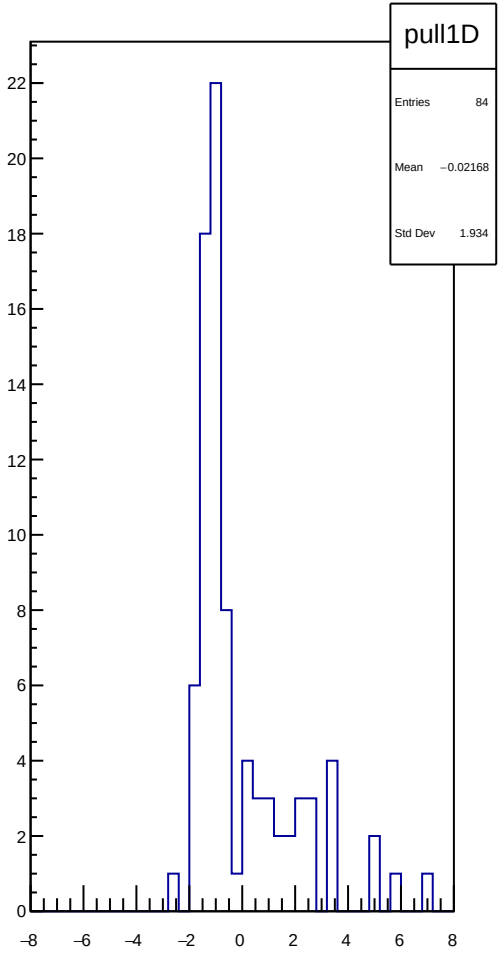

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 376.1 / 83
p0 36.81 ± 0.4871
pull
Entries 84
Mean −182.8
Std Dev 227.2
pull1D
Entries 84
Mean 0.1662
Std Dev 2.109

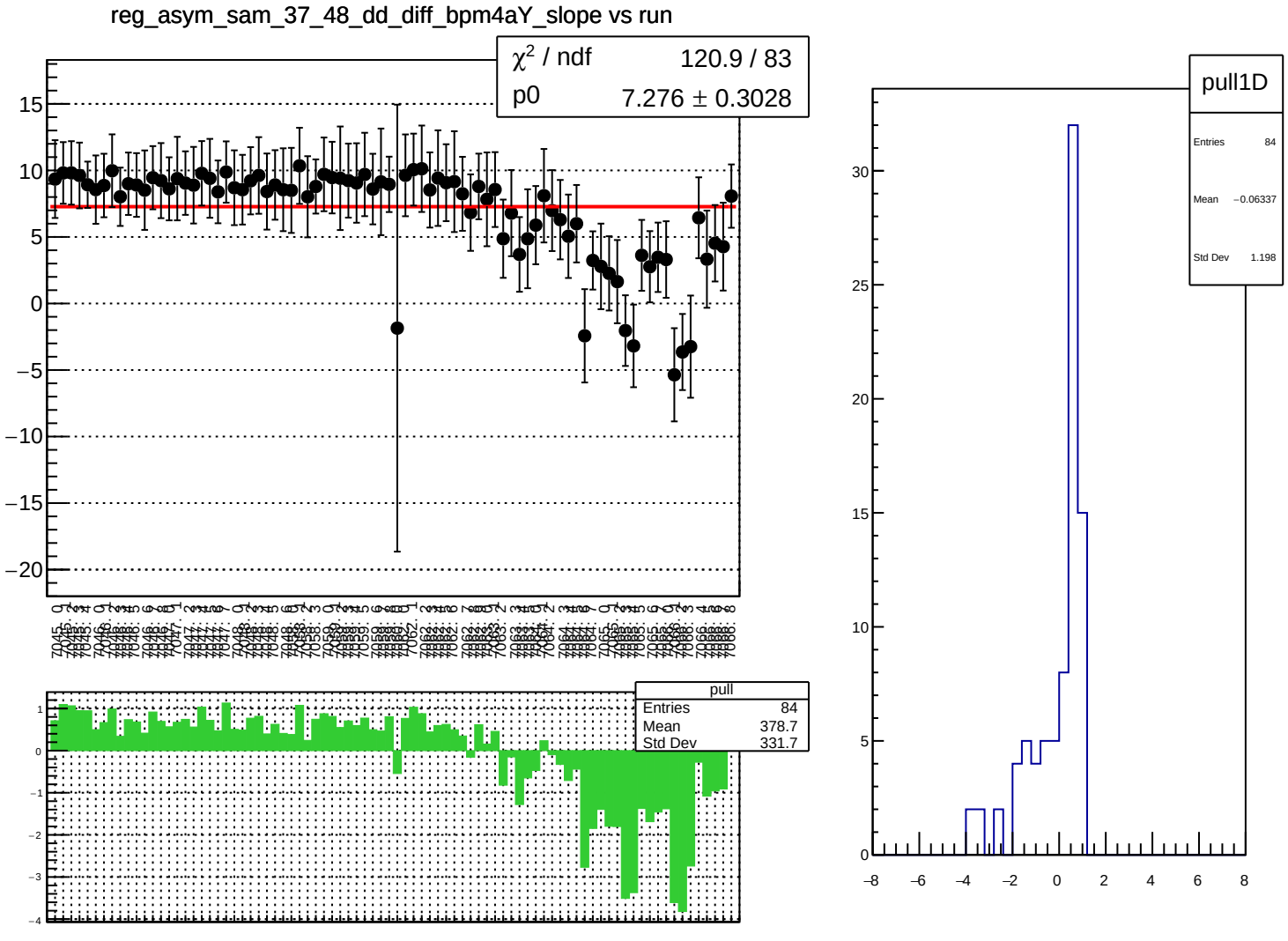

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 182.9 / 83
p0 −35.2 ± 0.3822
pull
Entries 84
Mean −768.4
Std Dev 813.5
pull1D
Entries 84
Mean −0.03421
Std Dev 1.475

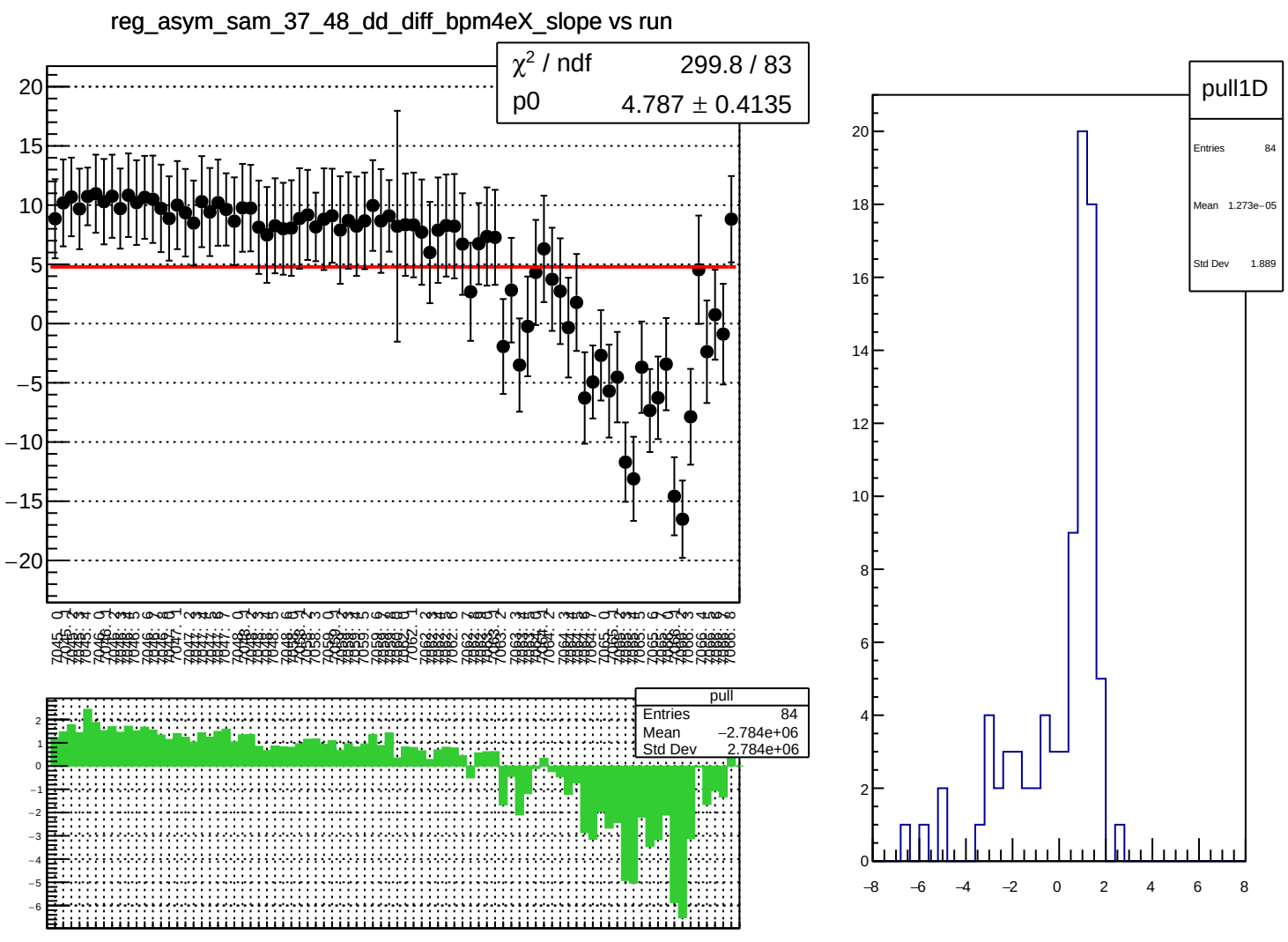

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.99 / 83
p0 0.1866 ± 0.01819
pull
Entries 84
Mean 4913
Std Dev 4866

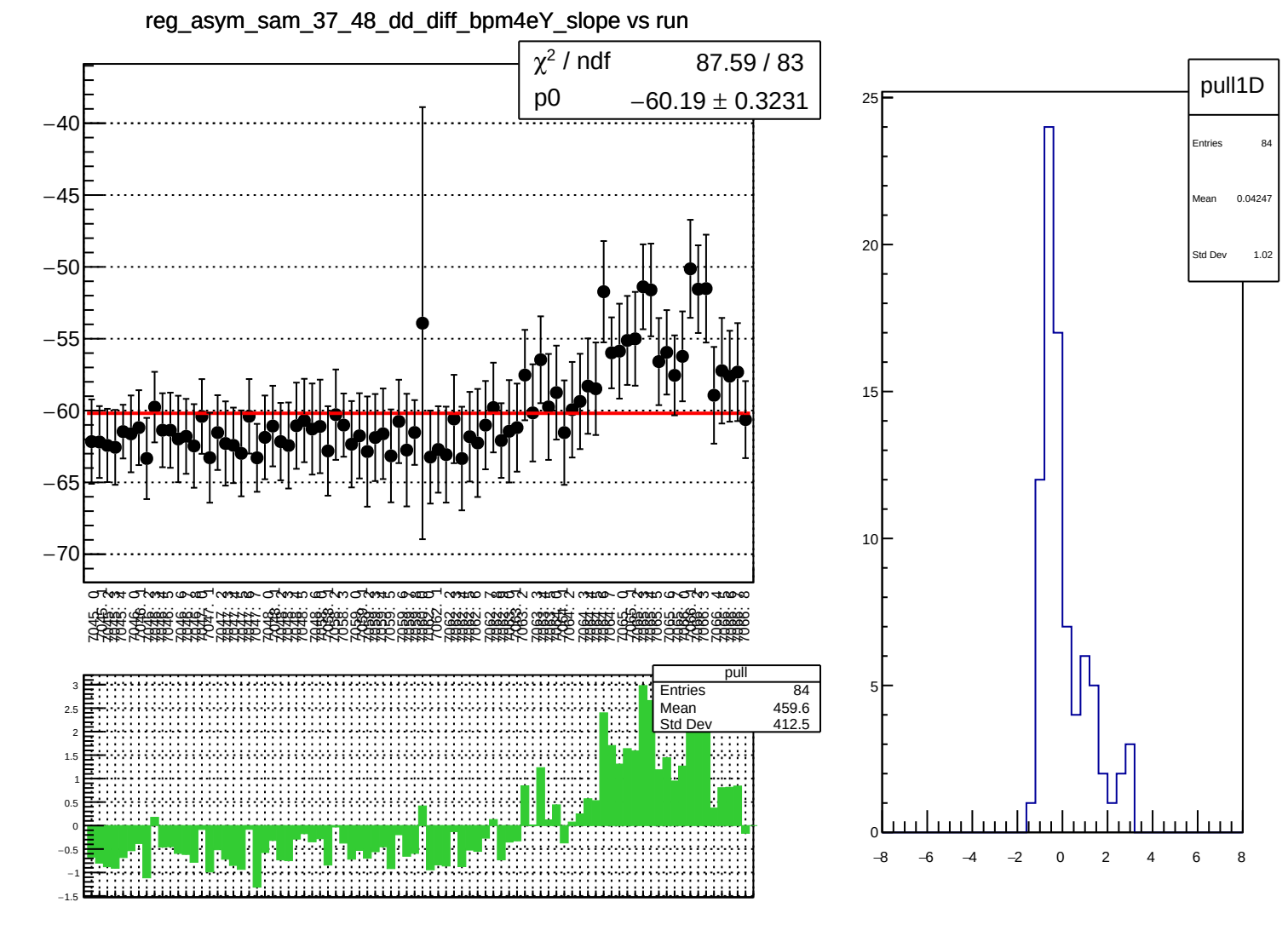

pull1D
Entries 84
Mean 0.001703
Std Dev 0.4755

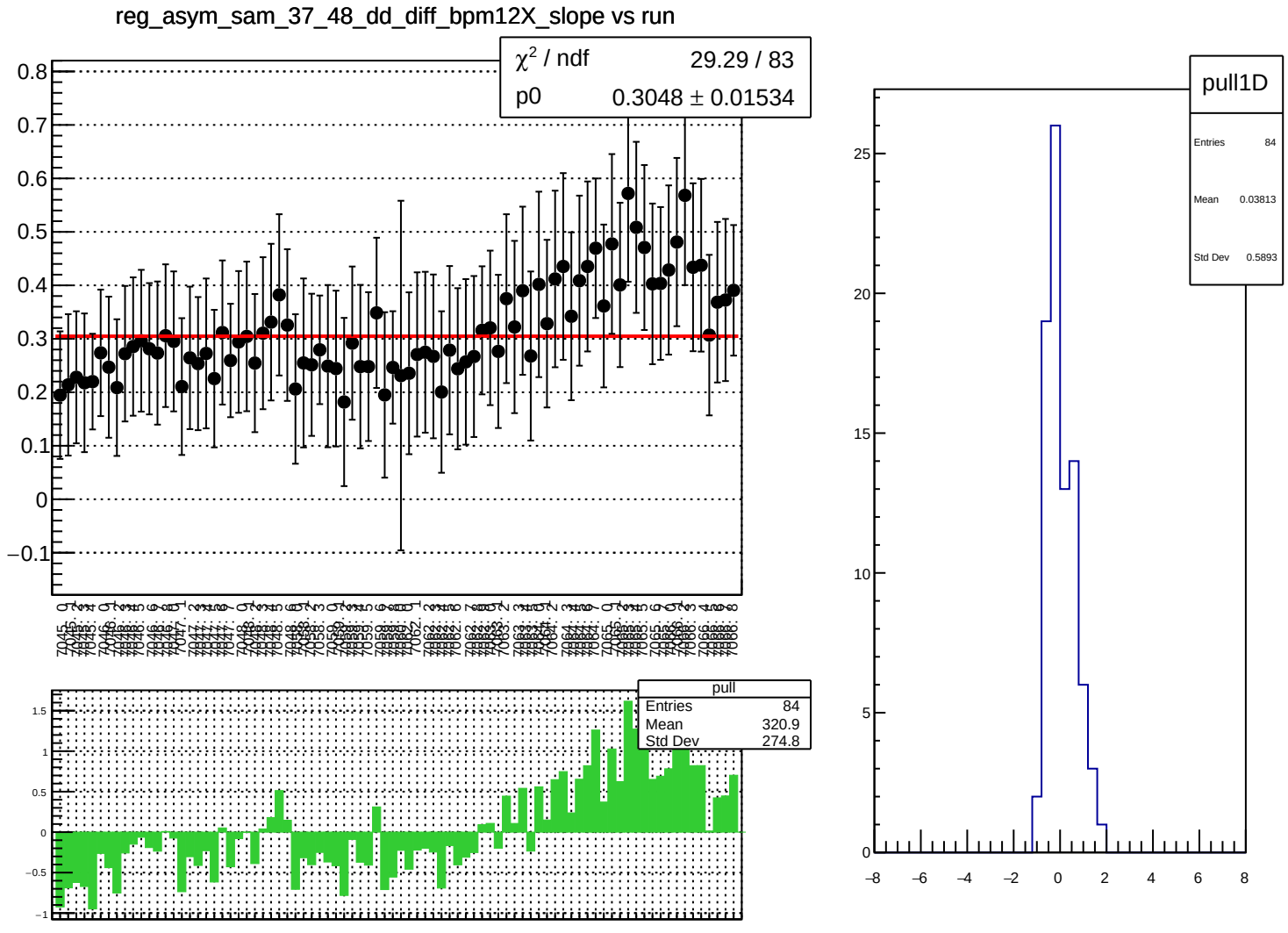

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 314.2 / 83
p0 11.32 ± 0.434
pull
Entries 84
Mean −1607
Std Dev 1652

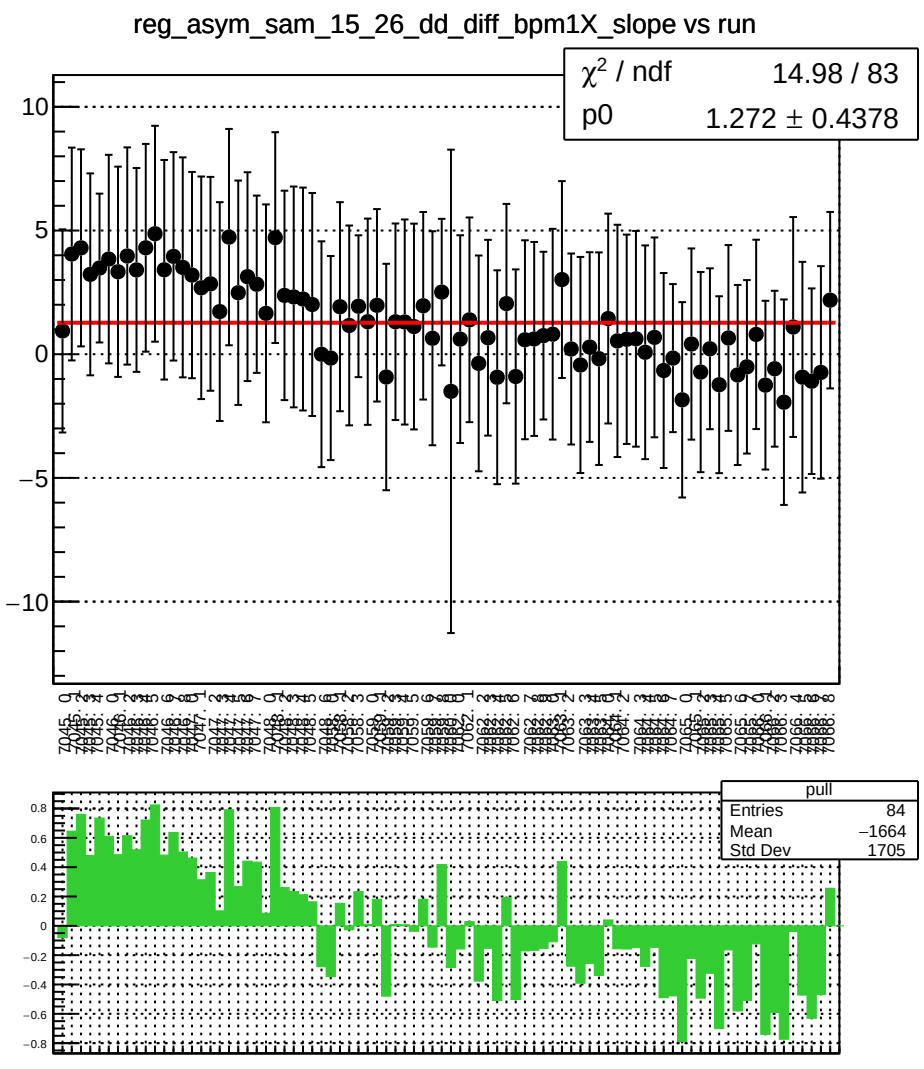

pull1D
Entries 84
Mean −0.02168
Std Dev 1.934

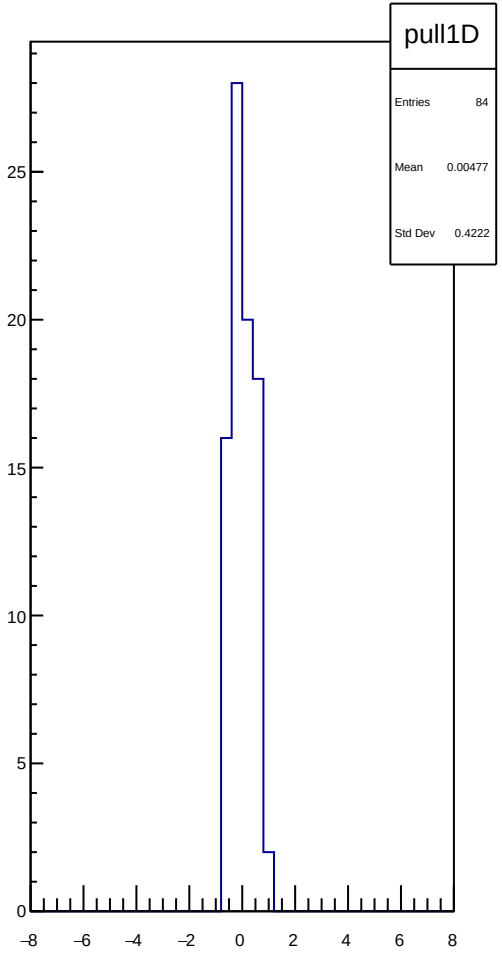

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 120.9 / 83
p0 7.276 ± 0.3028
pull
Entries 84
Mean 378.7
Std Dev 331.7
pull1D
Entries 84
Mean −0.06337
Std Dev 1.198

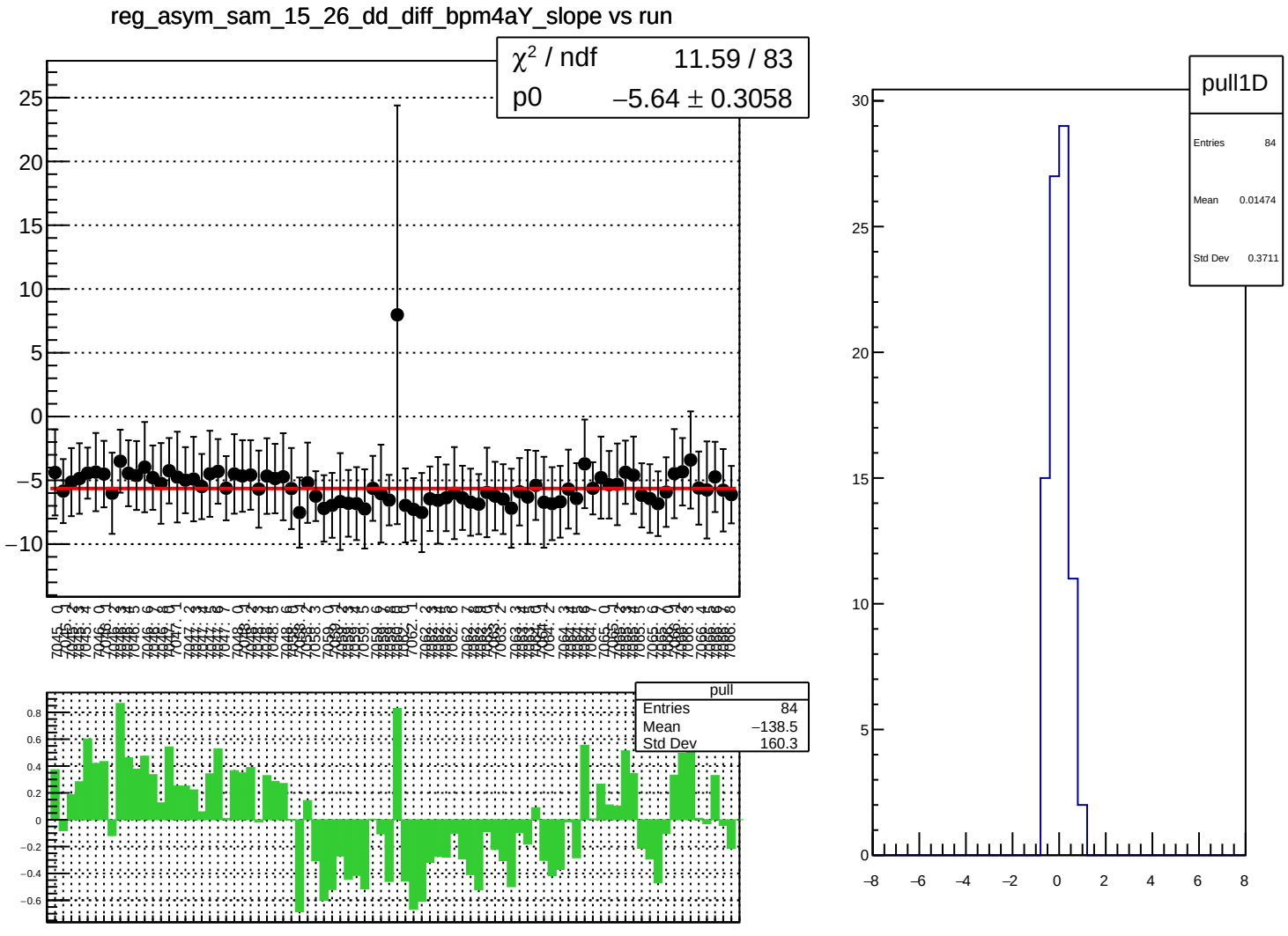

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 299.8 / 83
p0 4.787 ± 0.4135
pull
Entries 84
Mean −2.784e+06
Std Dev 2.784e+06
pull1D
Entries 84
Mean 1.273e−05
Std Dev 1.889

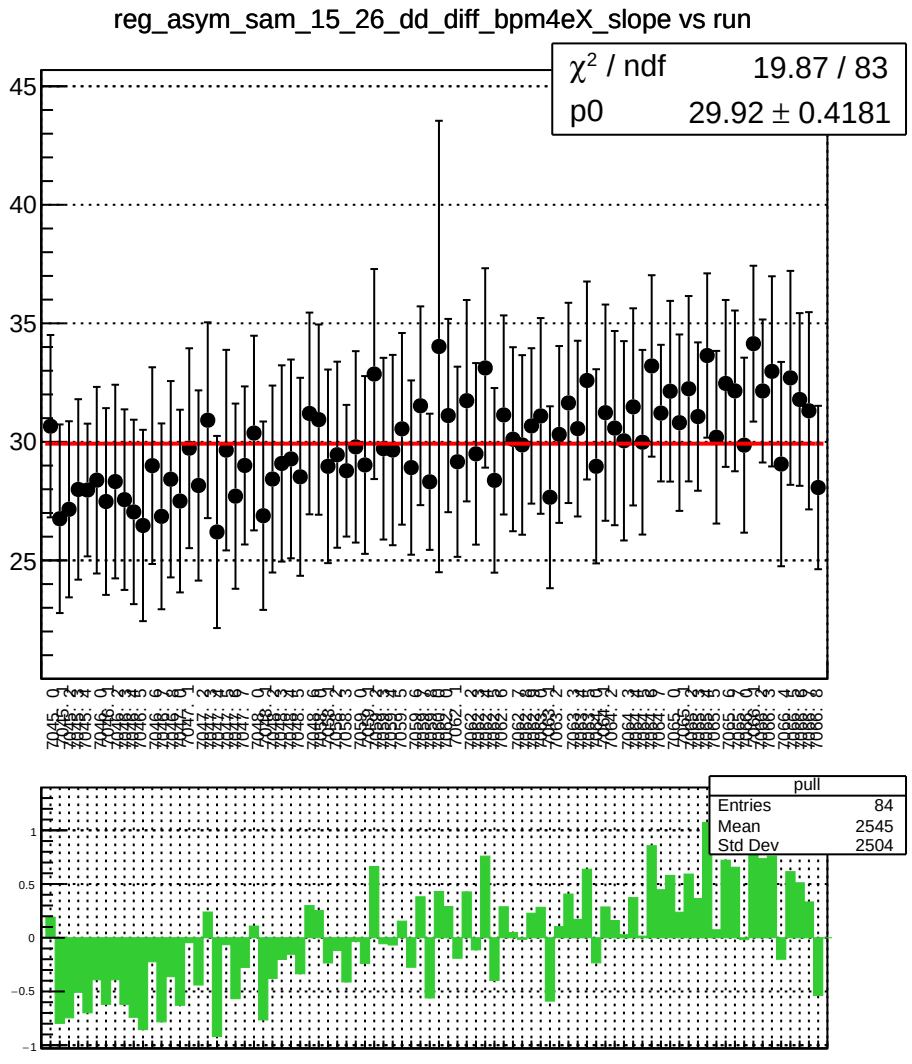

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 87.59 / 83
p0 −60.19 ± 0.3231
pull
Entries 84
Mean 459.6
Std Dev 412.5
pull1D
Entries 84
Mean 0.04247
Std Dev 1.02

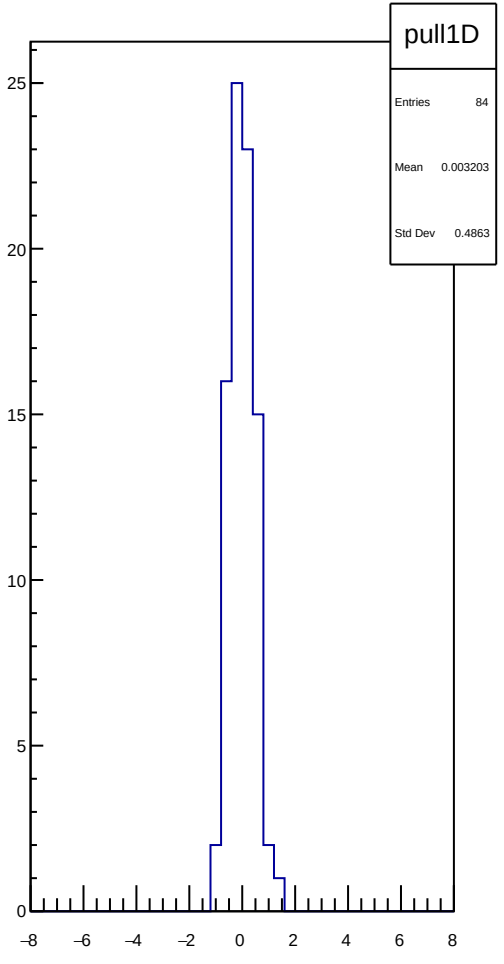

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 29.29 / 83
p0 0.3048 ± 0.01534
pull
Entries 84
Mean 320.9
Std Dev 274.8
pull1D
Entries 84
Mean 0.03813
Std Dev 0.5893

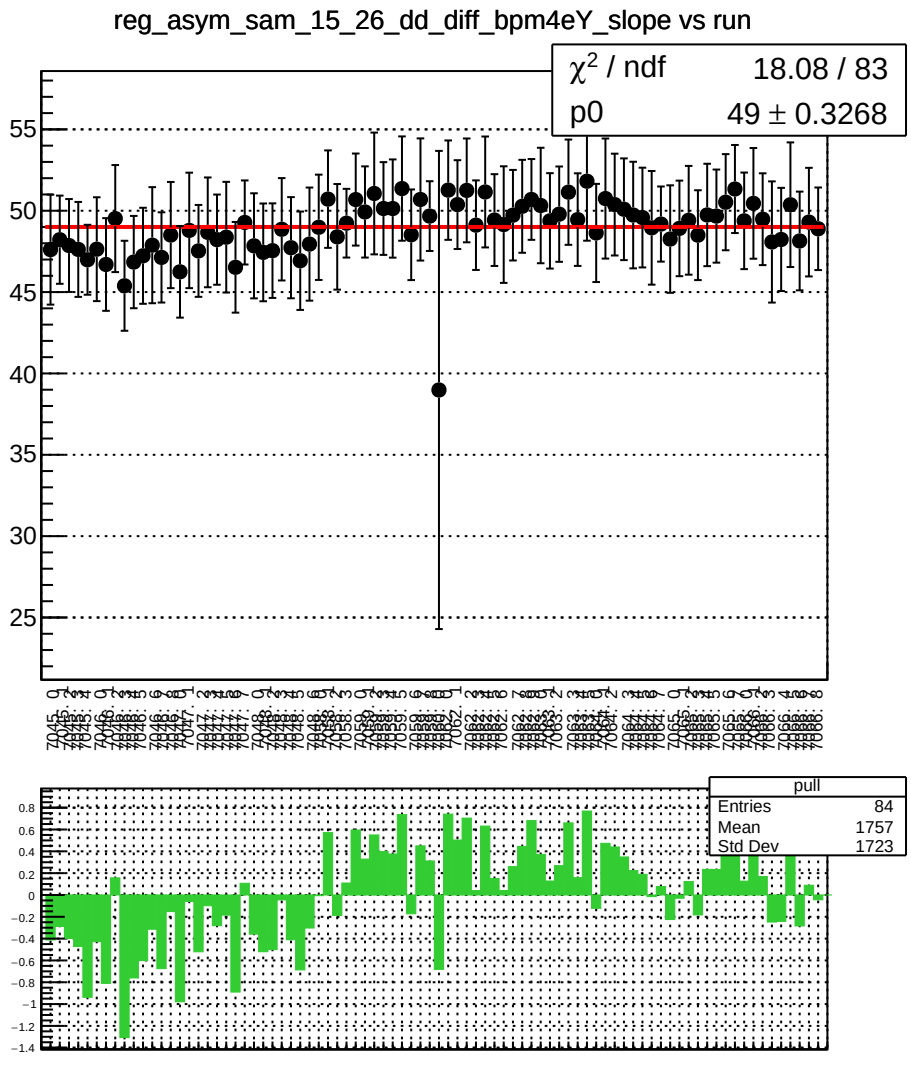

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.98 / 83
p0 1.272 ± 0.4378
pull
Entries 84
Mean −1664
Std Dev 1705

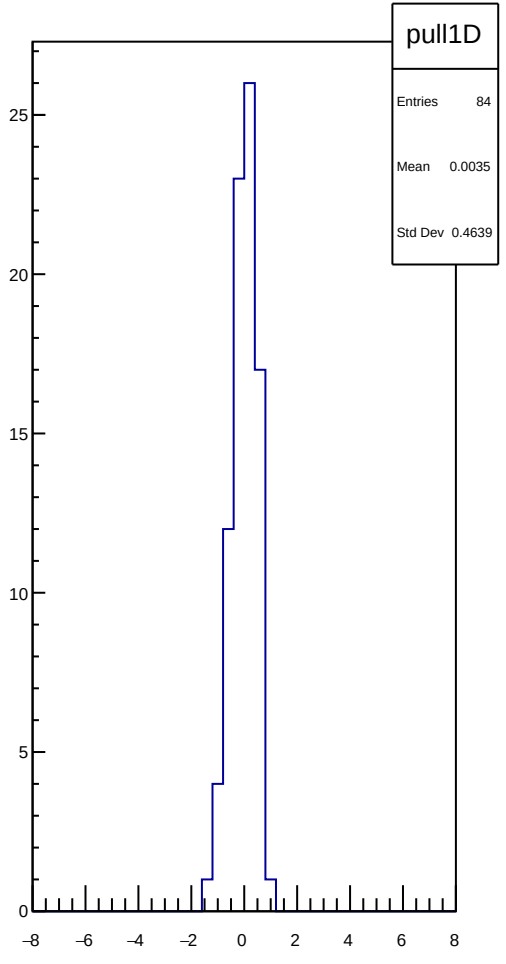

pull1D
Entries 84
Mean 0.00477
Std Dev 0.4222

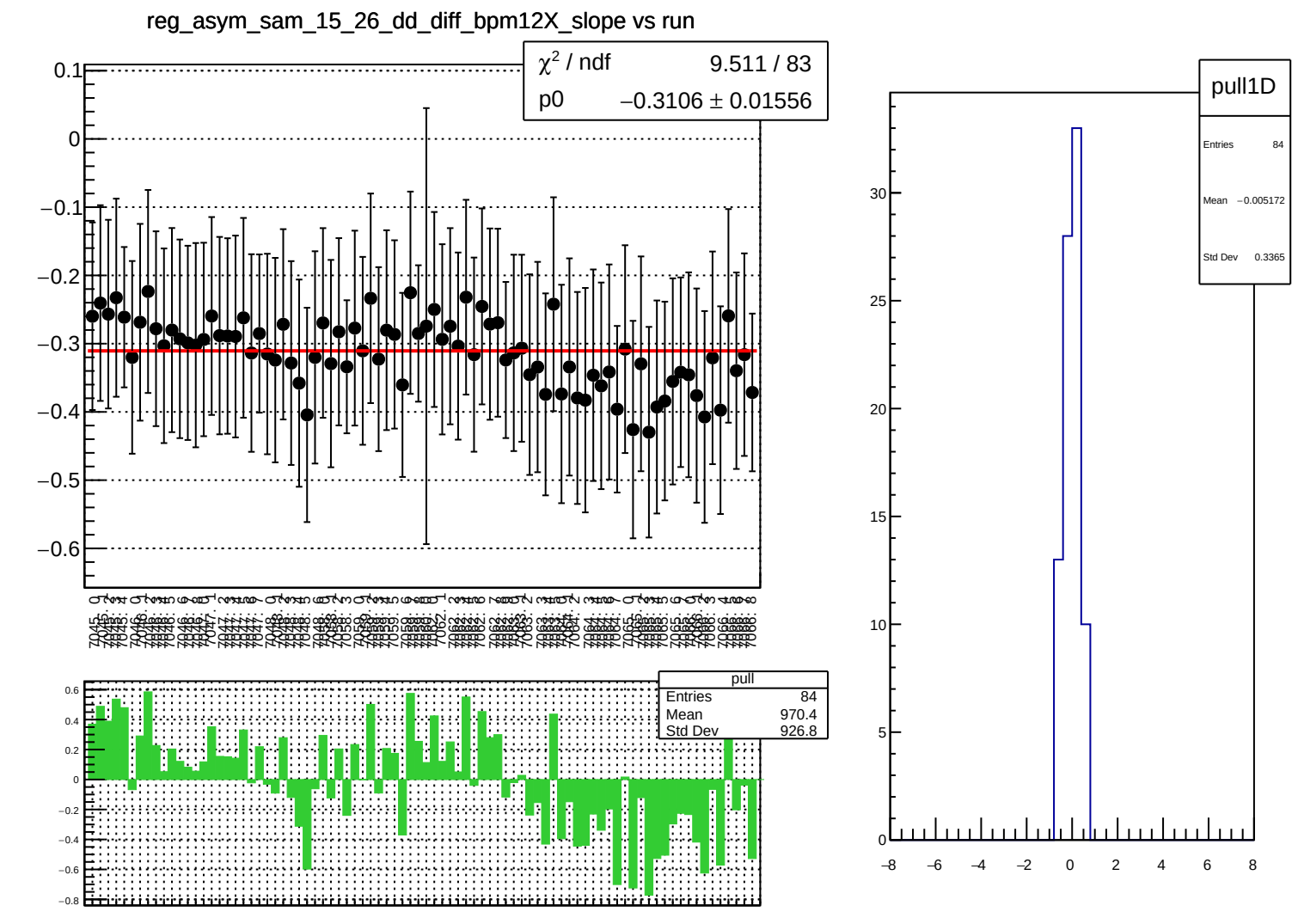

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.59 / 83
p0 −5.64 ± 0.3058
pull
Entries 84
Mean −138.5
Std Dev 160.3
pull1D
Entries 84
Mean 0.01474
Std Dev 0.3711

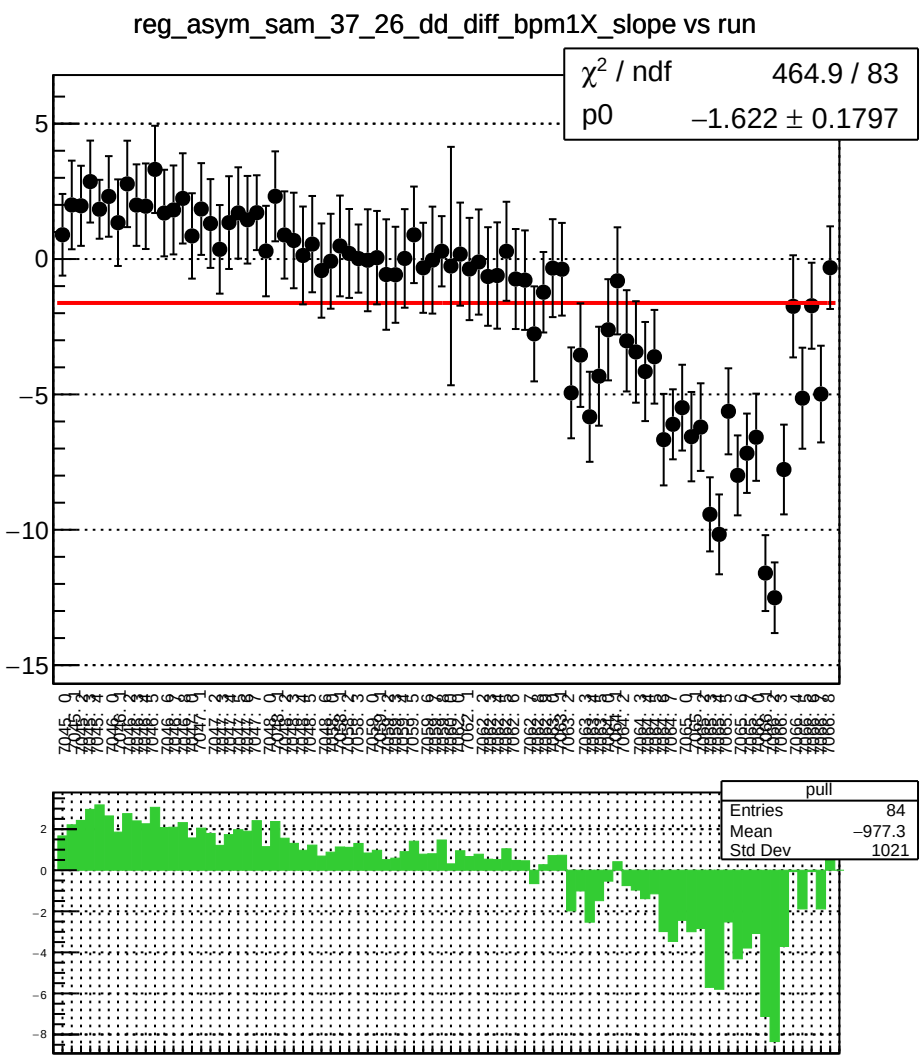

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.87 / 83
p0 29.92 ± 0.4181
pull
Entries 84
Mean 2545
Std Dev 2504

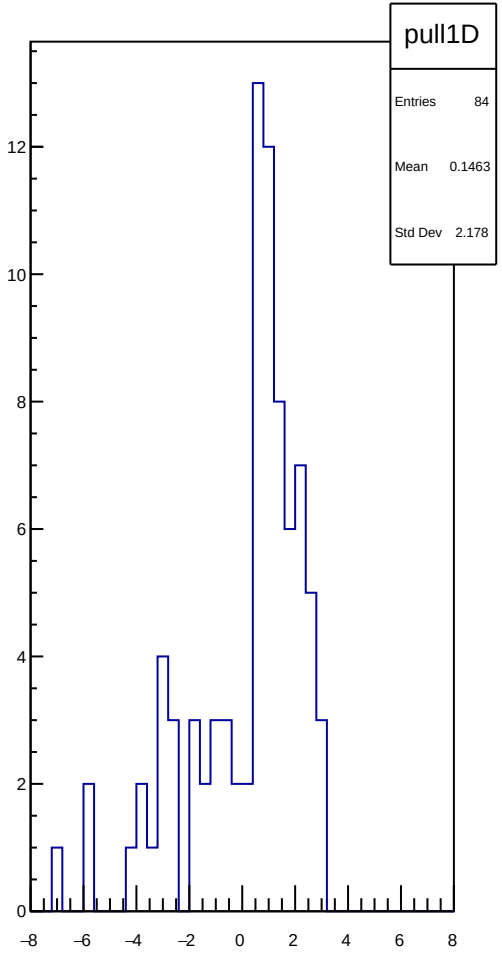

pull1D
Entries 84
Mean 0.003203
Std Dev 0.4863

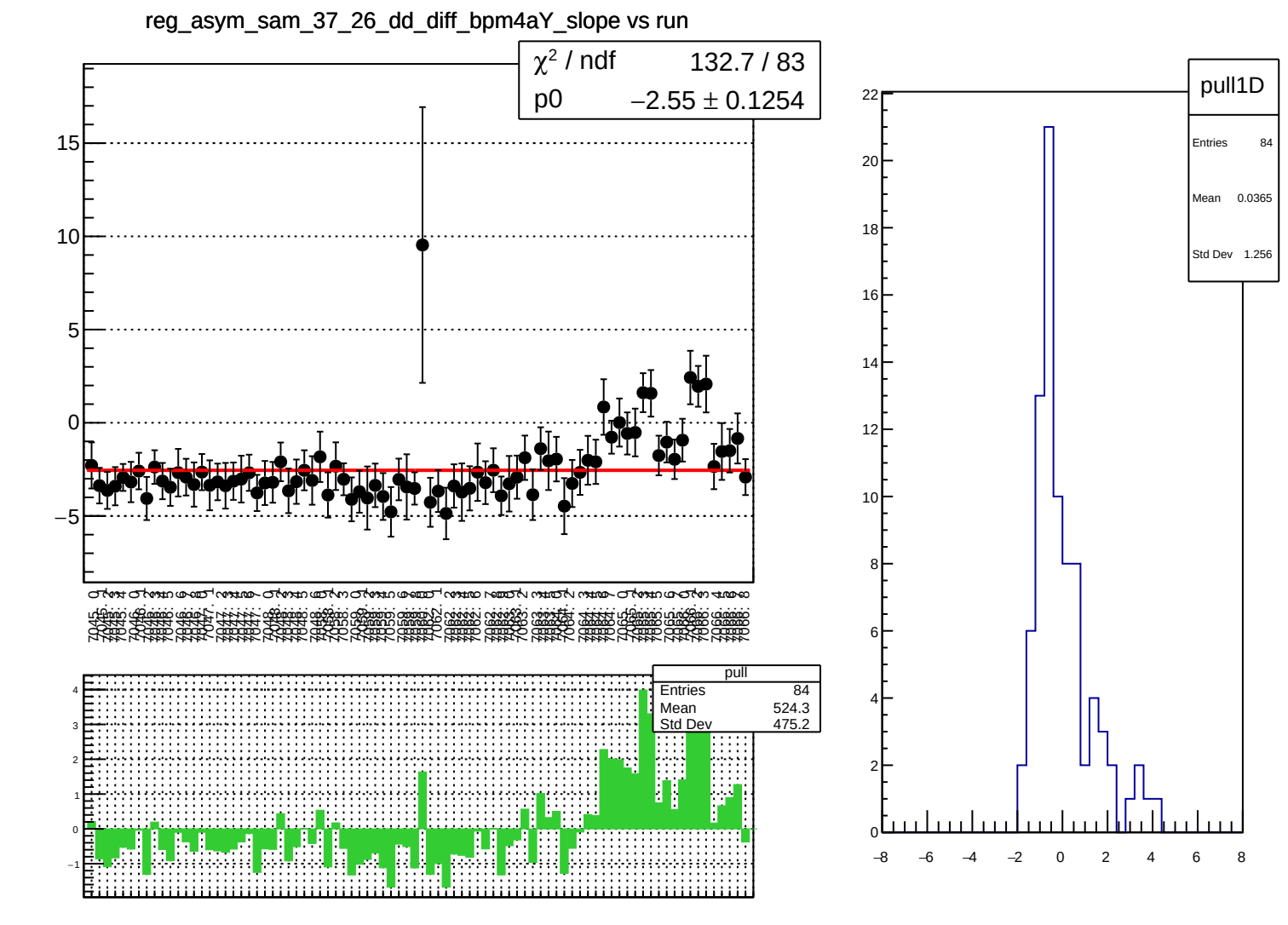

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.08 / 83
p0 49 ± 0.3268
pull
Entries 84
Mean 1757
Std Dev 1723

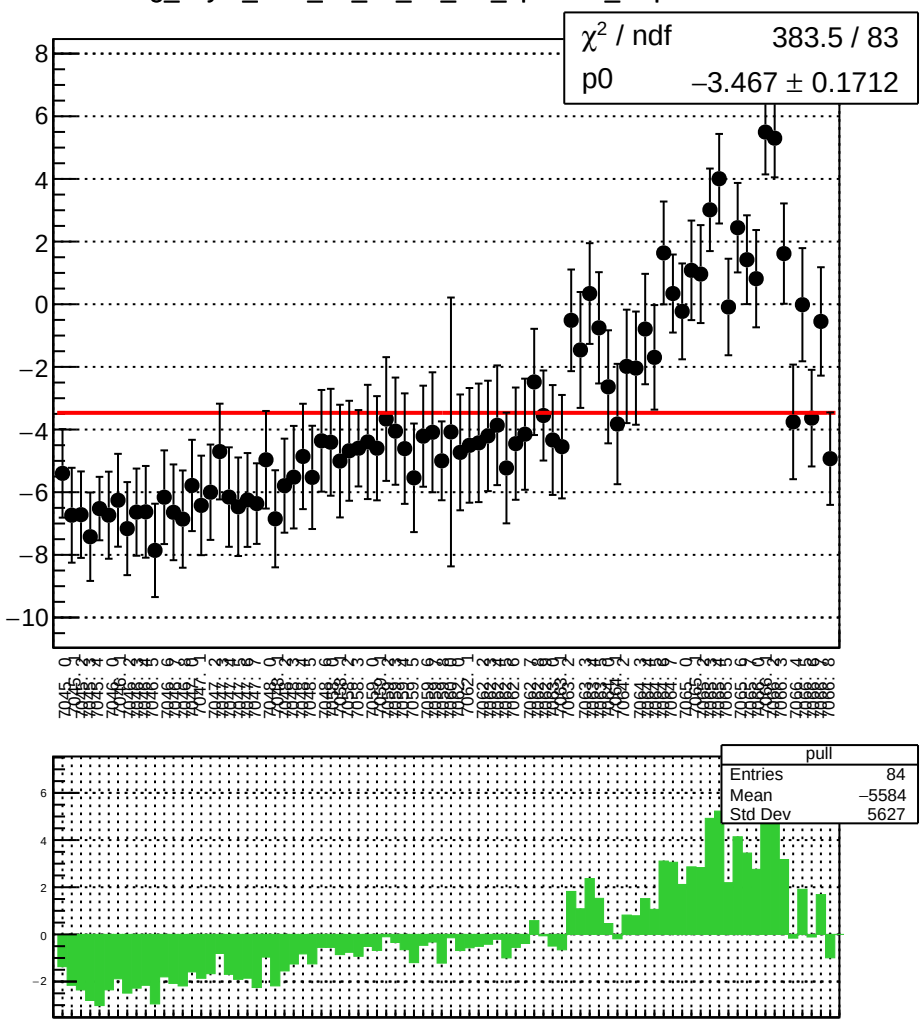

pull1D
Entries 84
Mean 0.0035
Std Dev 0.4639

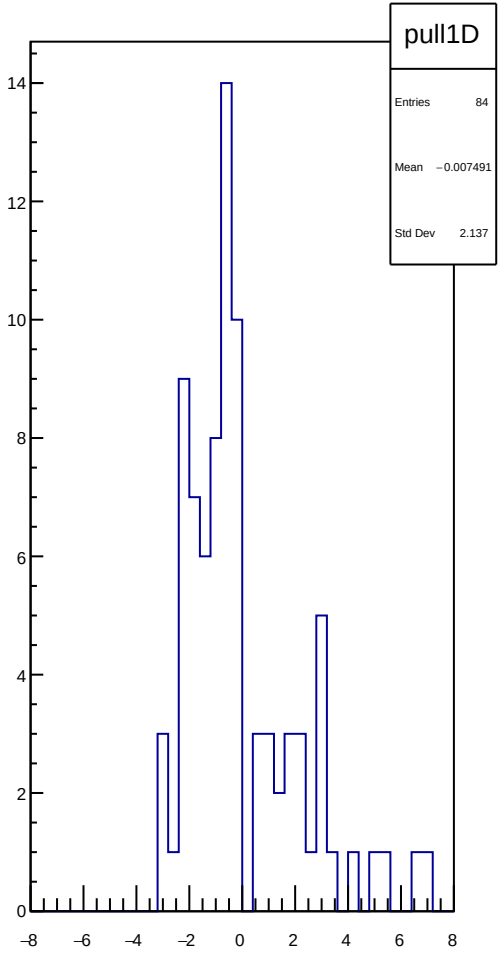

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 9.511 / 83
p0 −0.3106 ± 0.01556
pull
Entries 84
Mean 970.4
Std Dev 926.8
pull1D
Entries 84
Mean −0.005172
Std Dev 0.3365

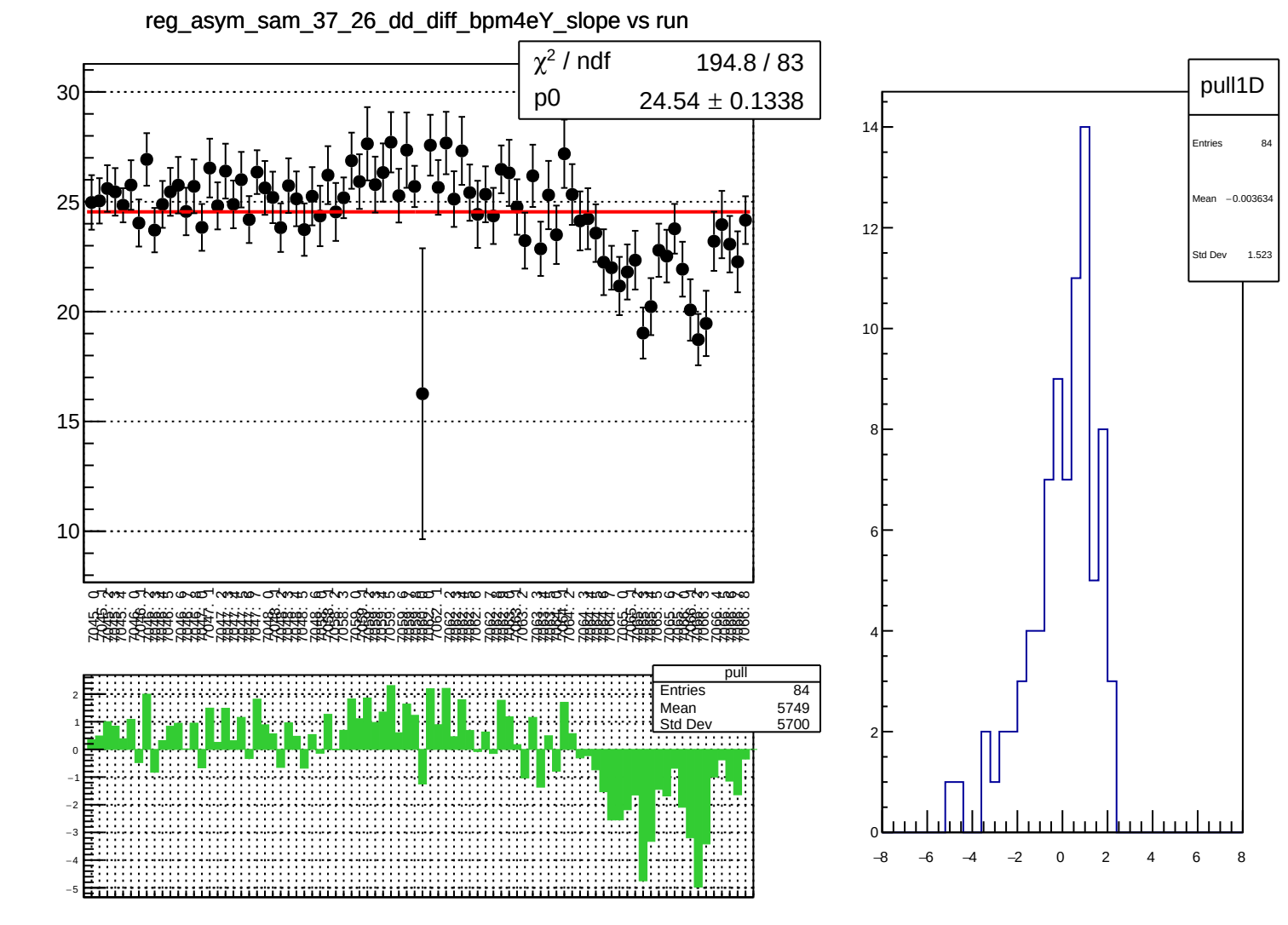

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 464.9 / 83
p0 −1.622 ± 0.1797
pull
Entries 84
Mean −977.3
Std Dev 1021

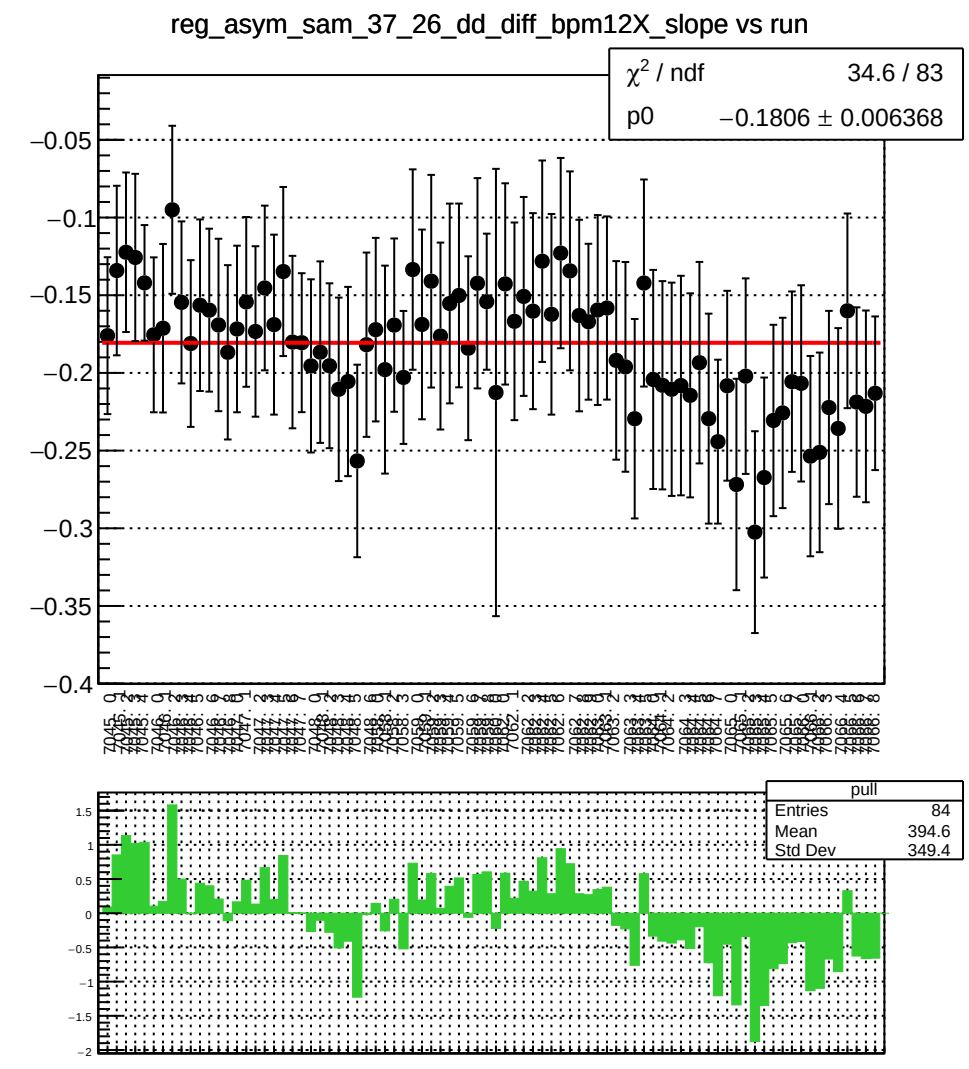

pull1D
Entries 84
Mean 0.1463
Std Dev 2.178

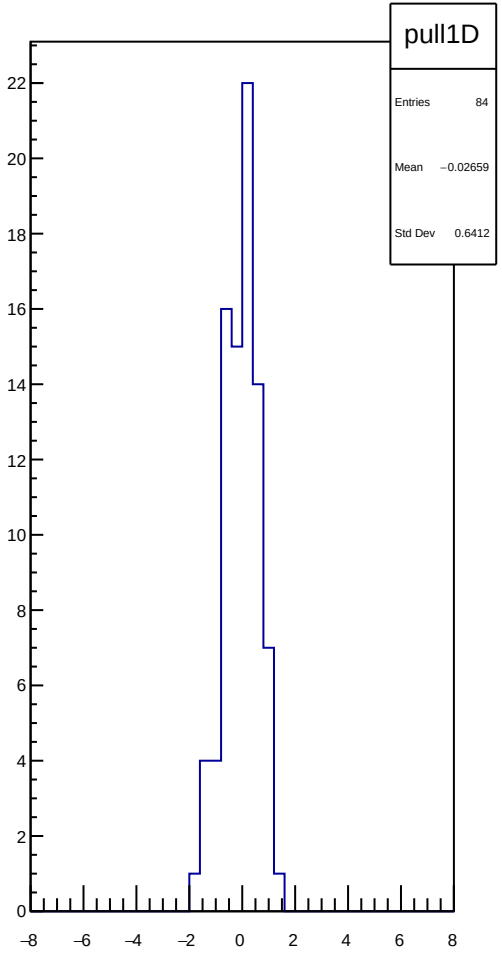

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 132.7 / 83
p0 −2.55 ± 0.1254
pull
Entries 84
Mean 524.3
Std Dev 475.2
pull1D
Entries 84
Mean 0.0365
Std Dev 1.256

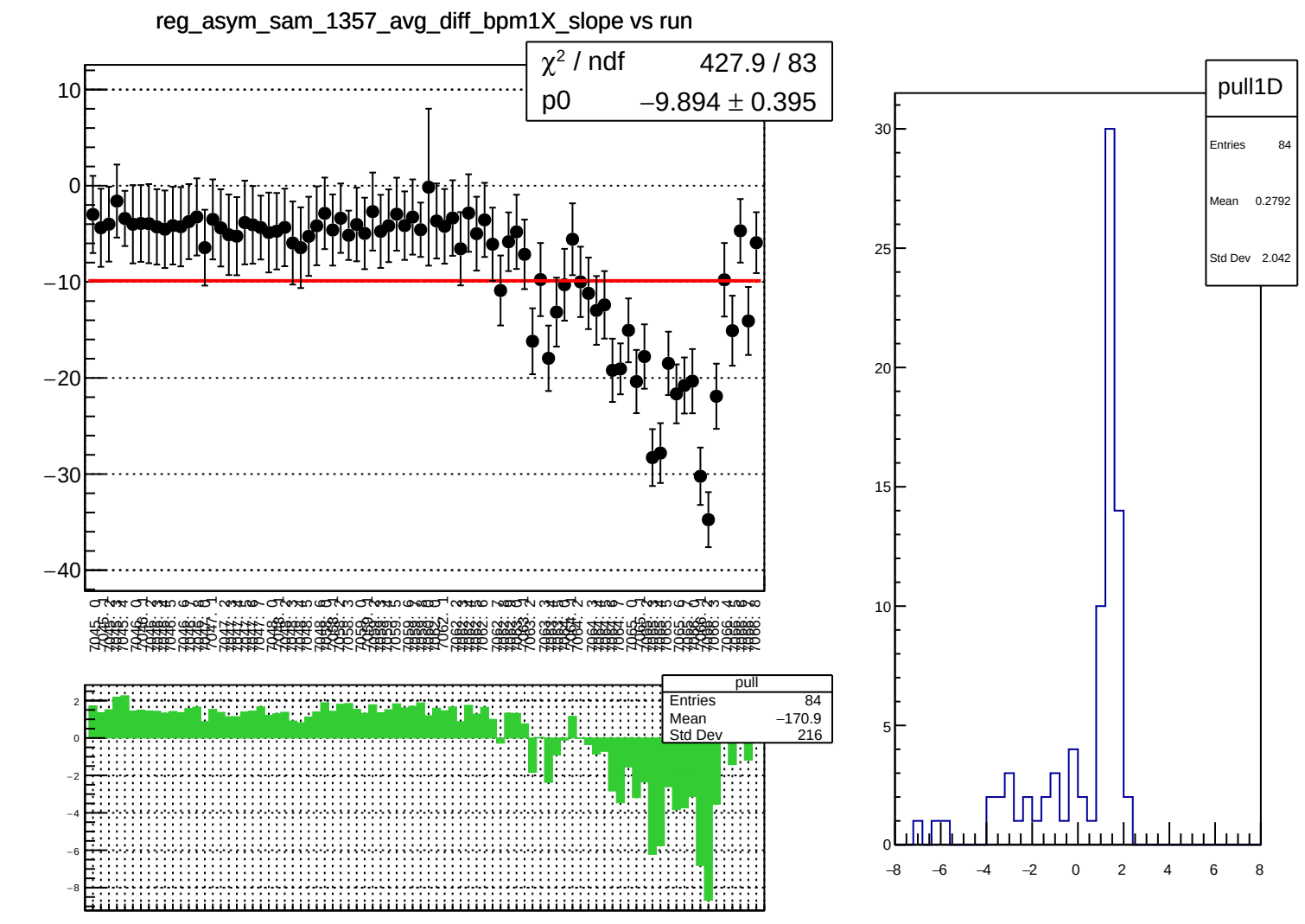

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 383.5 / 83
p0 −3.467 ± 0.1712
pull
Entries 84
Mean −5584
Std Dev 5627

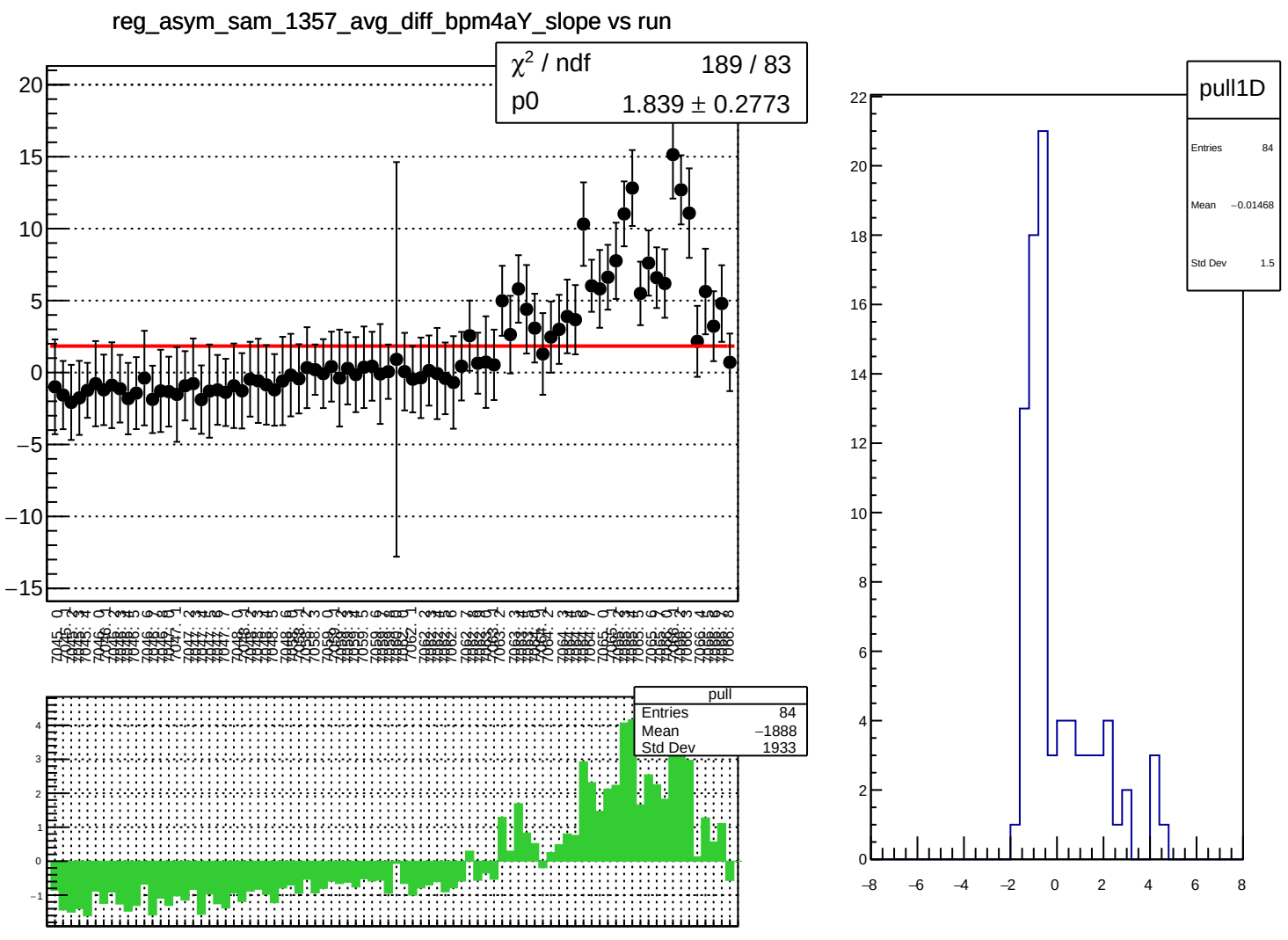

pull1D
Entries 84
Mean −0.007491
Std Dev 2.137

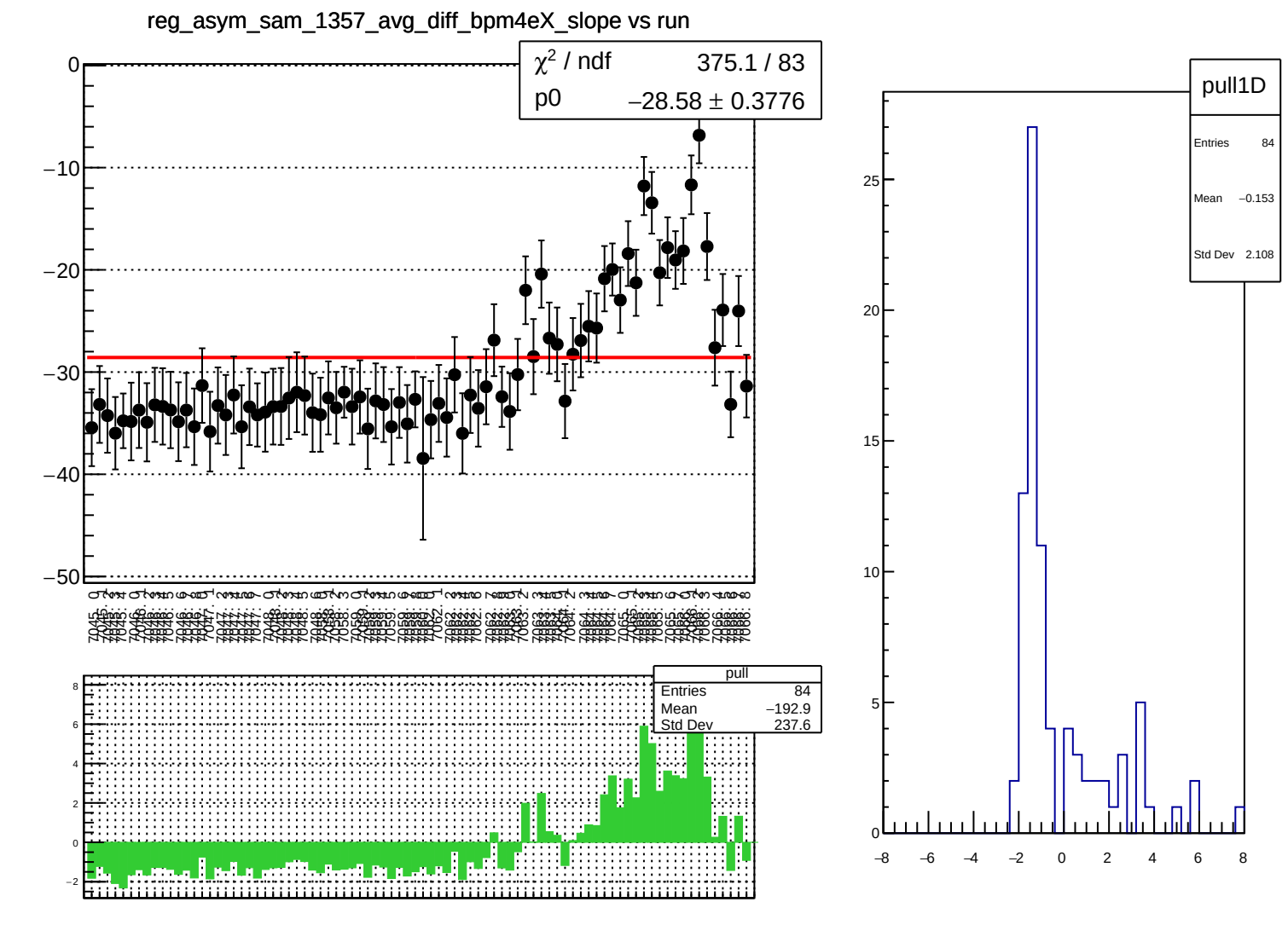

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 194.8 / 83
p0 24.54 ± 0.1338
pull
Entries 84
Mean 5749
Std Dev 5700
pull1D
Entries 84
Mean −0.003634
Std Dev 1.523

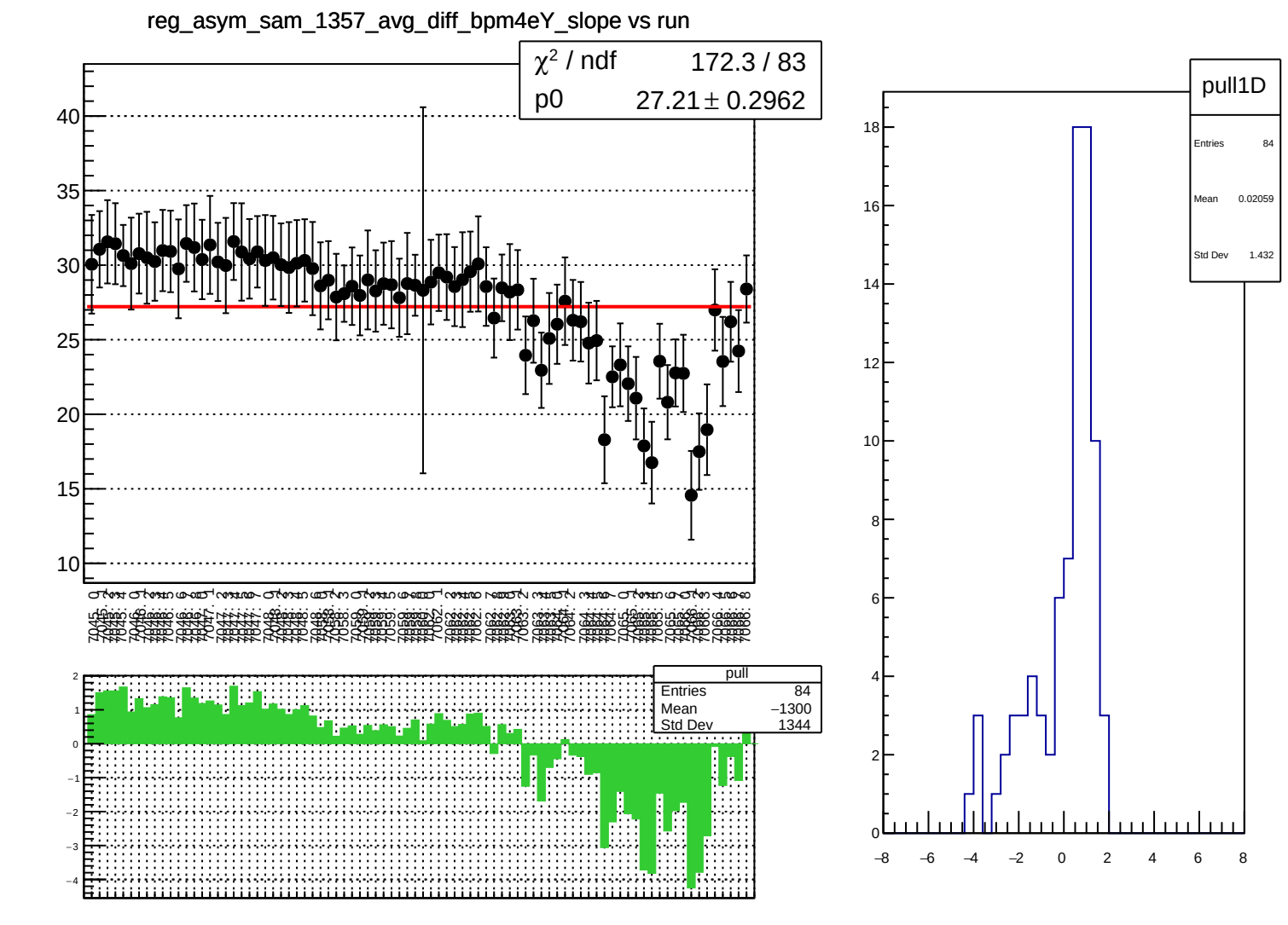

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 34.6 / 83
p0 −0.1806 ± 0.006368
pull
Entries 84
Mean 394.6
Std Dev 349.4

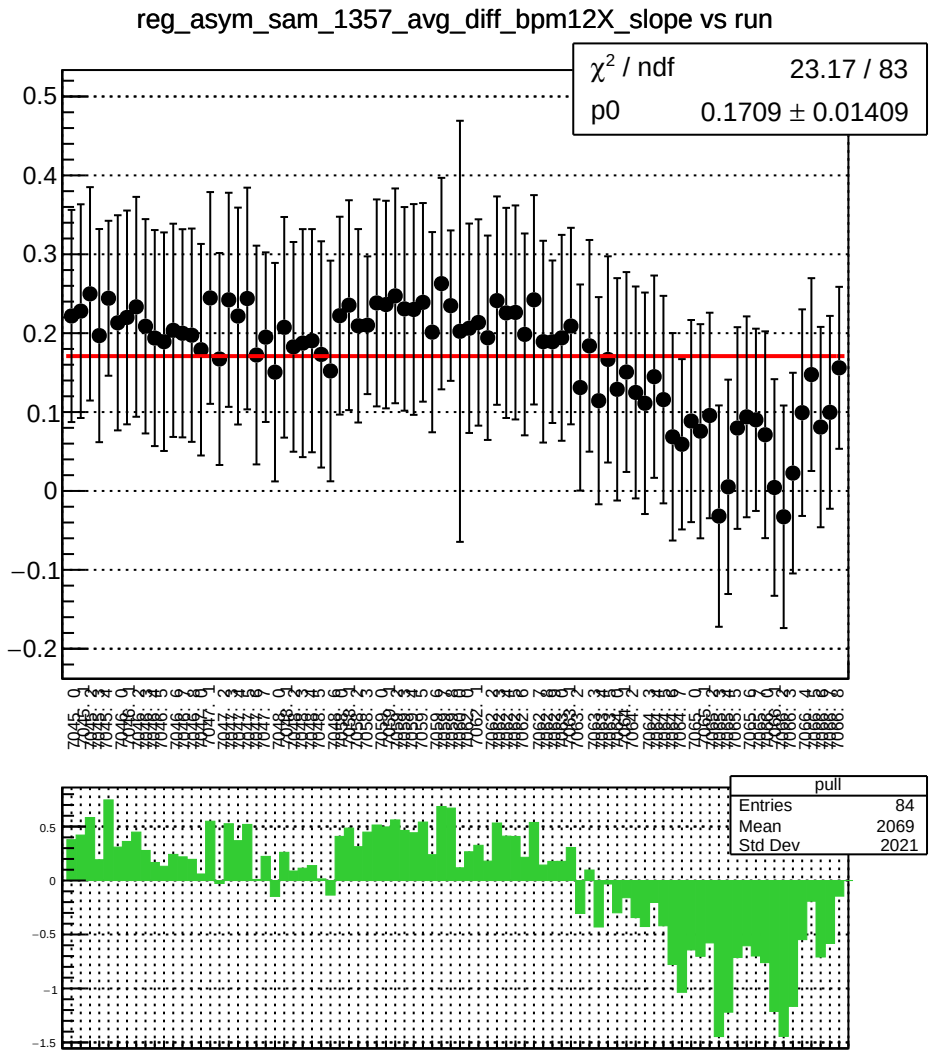

pull1D
Entries 84
Mean −0.02659
Std Dev 0.6412

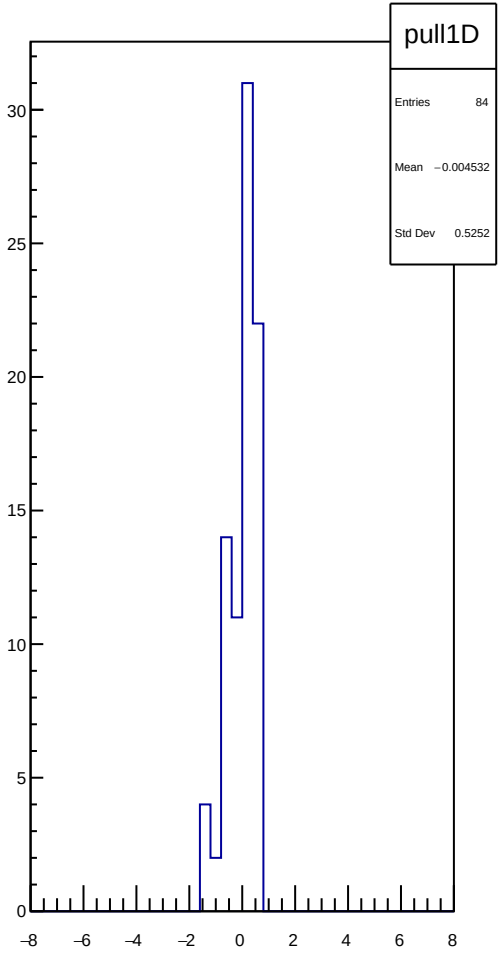

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 427.9 / 83
p0 −9.894 ± 0.395
pull
Entries 84
Mean −170.9
Std Dev 216
pull1D
Entries 84
Mean 0.2792
Std Dev 2.042

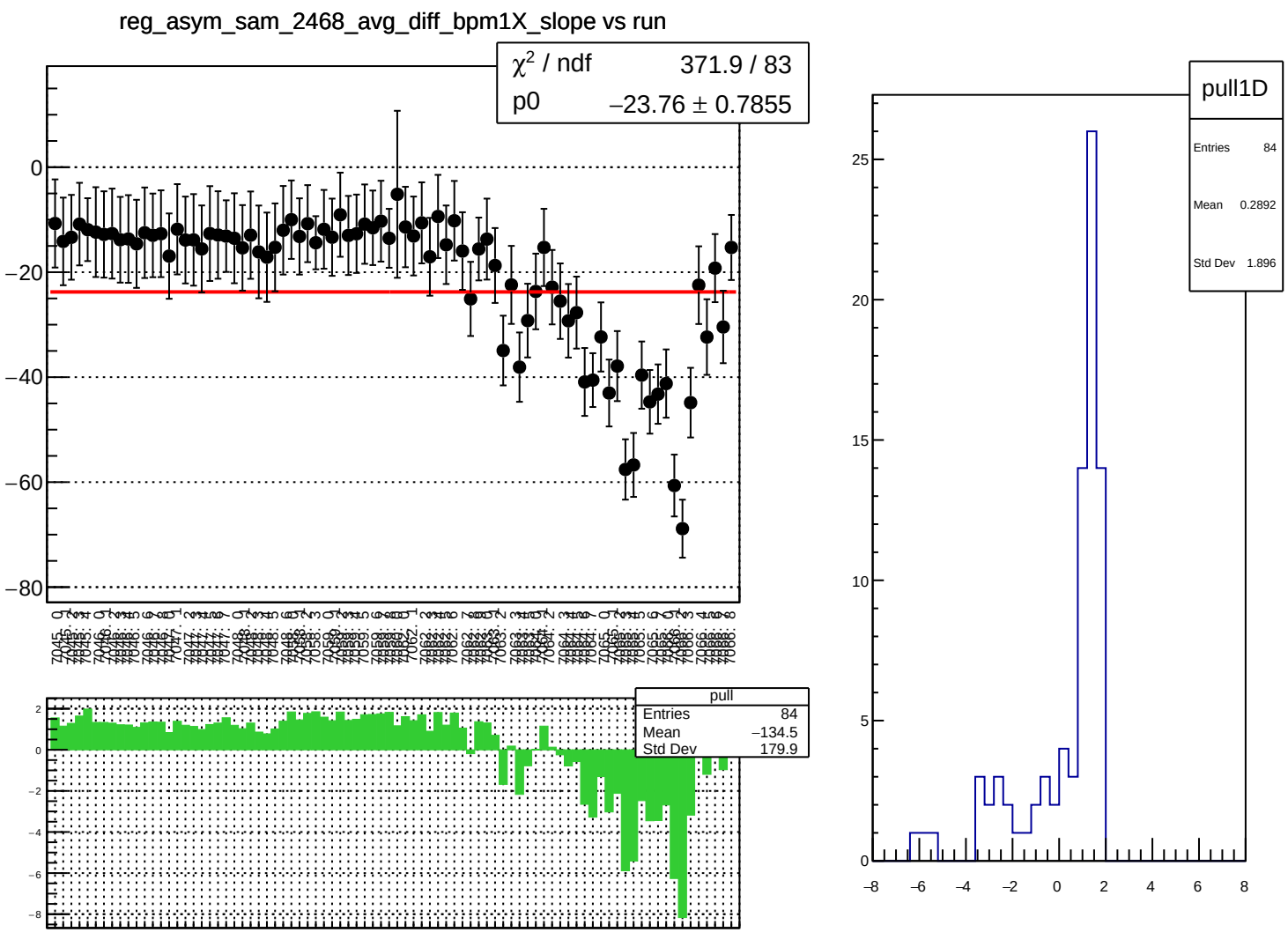

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 189 / 83
p0 1.839 ± 0.2773
pull
Entries 84
Mean −1888
Std Dev 1933
pull1D
Entries 84
Mean −0.01468
Std Dev 1.5

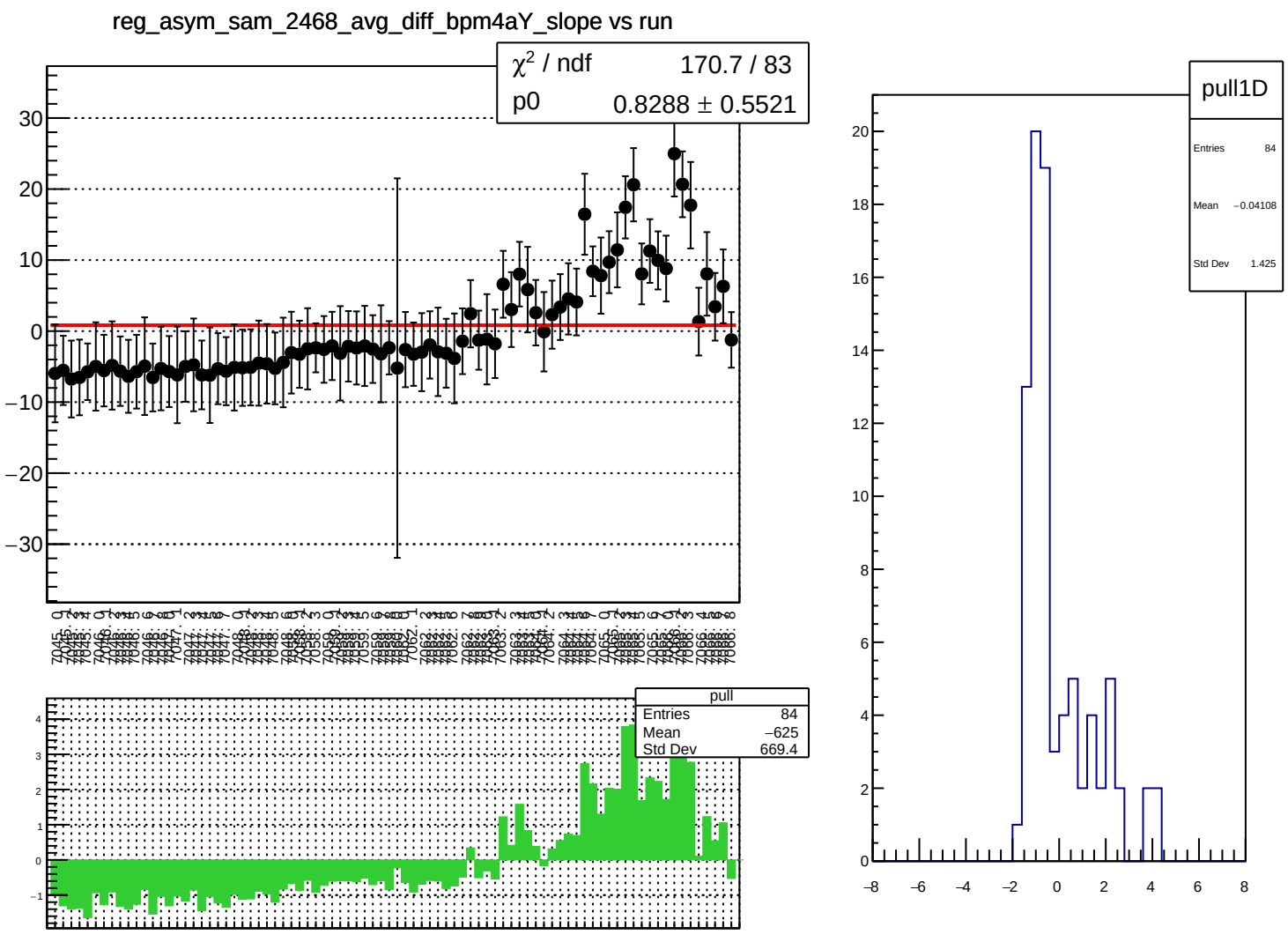

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 375.1 / 83
p0 −28.58 ± 0.3776
pull
Entries 84
Mean −192.9
Std Dev 237.6
pull1D
Entries 84
Mean −0.153
Std Dev 2.108

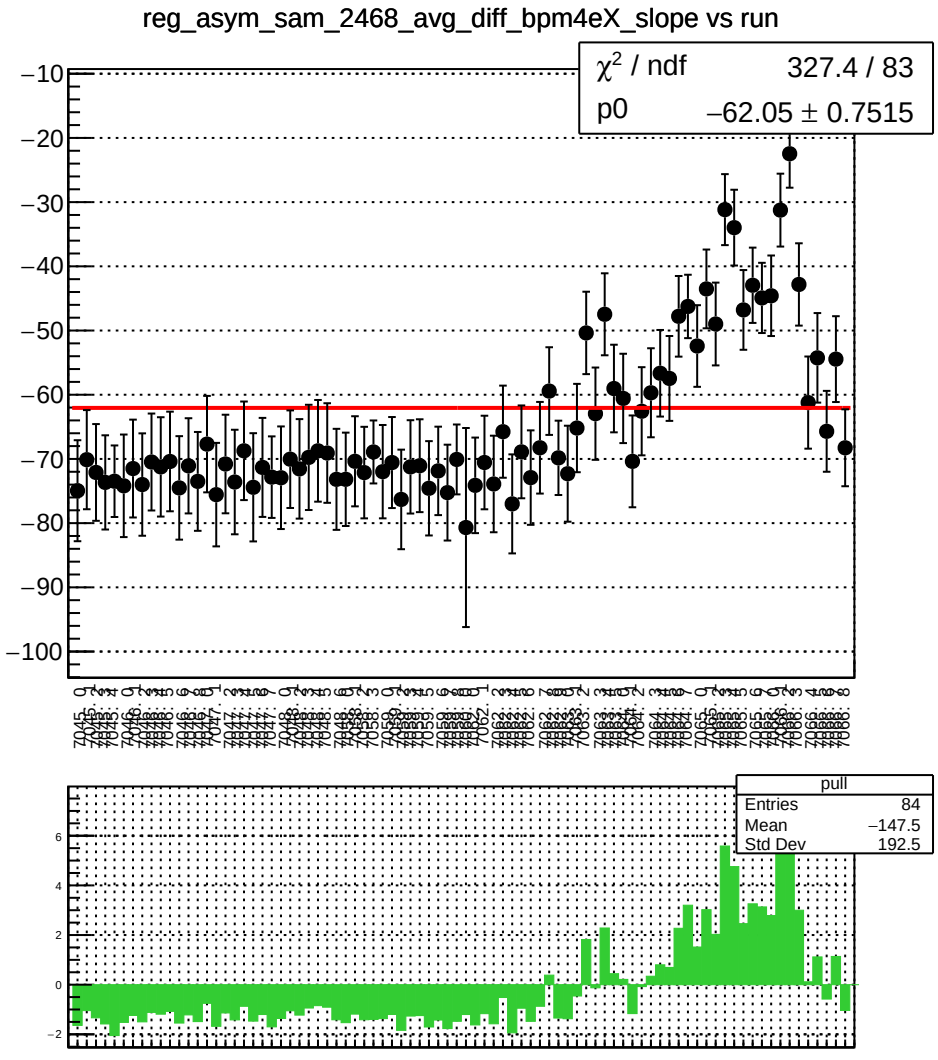

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 172.3 / 83
p0 27.21 ± 0.2962
pull
Entries 84
Mean −1300
Std Dev 1344
pull1D
Entries 84
Mean 0.02059
Std Dev 1.432

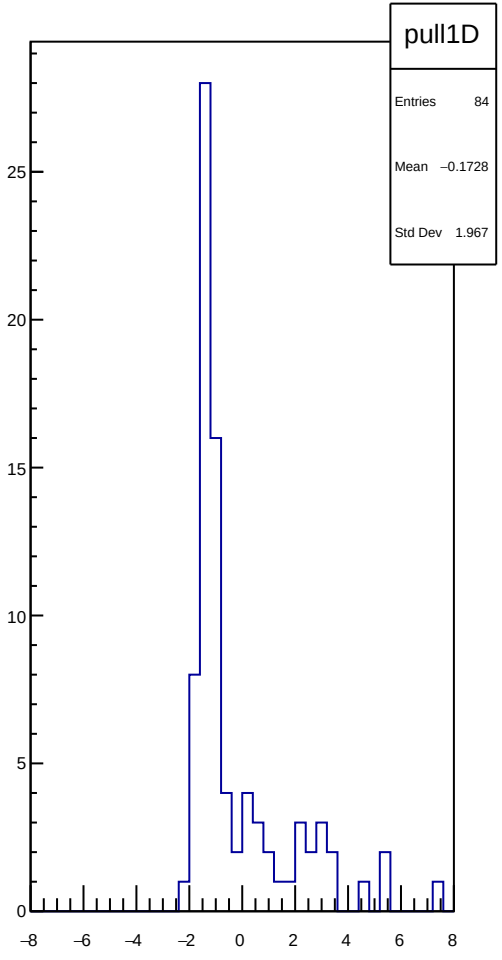

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 23.17 / 83
p0 0.1709 ± 0.01409
pull
Entries 84
Mean 2069
Std Dev 2021

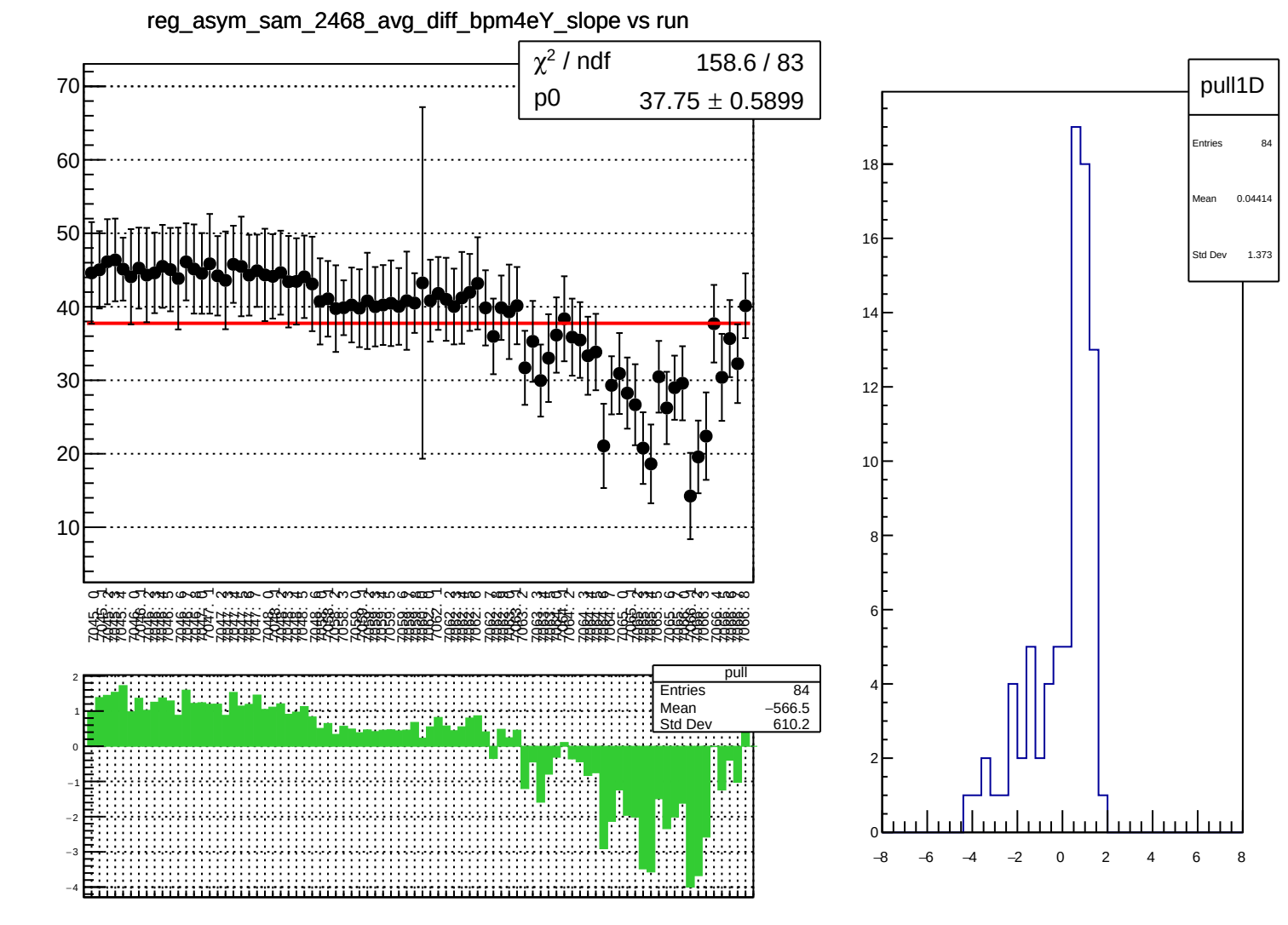

pull1D
Entries 84
Mean −0.004532
Std Dev 0.5252

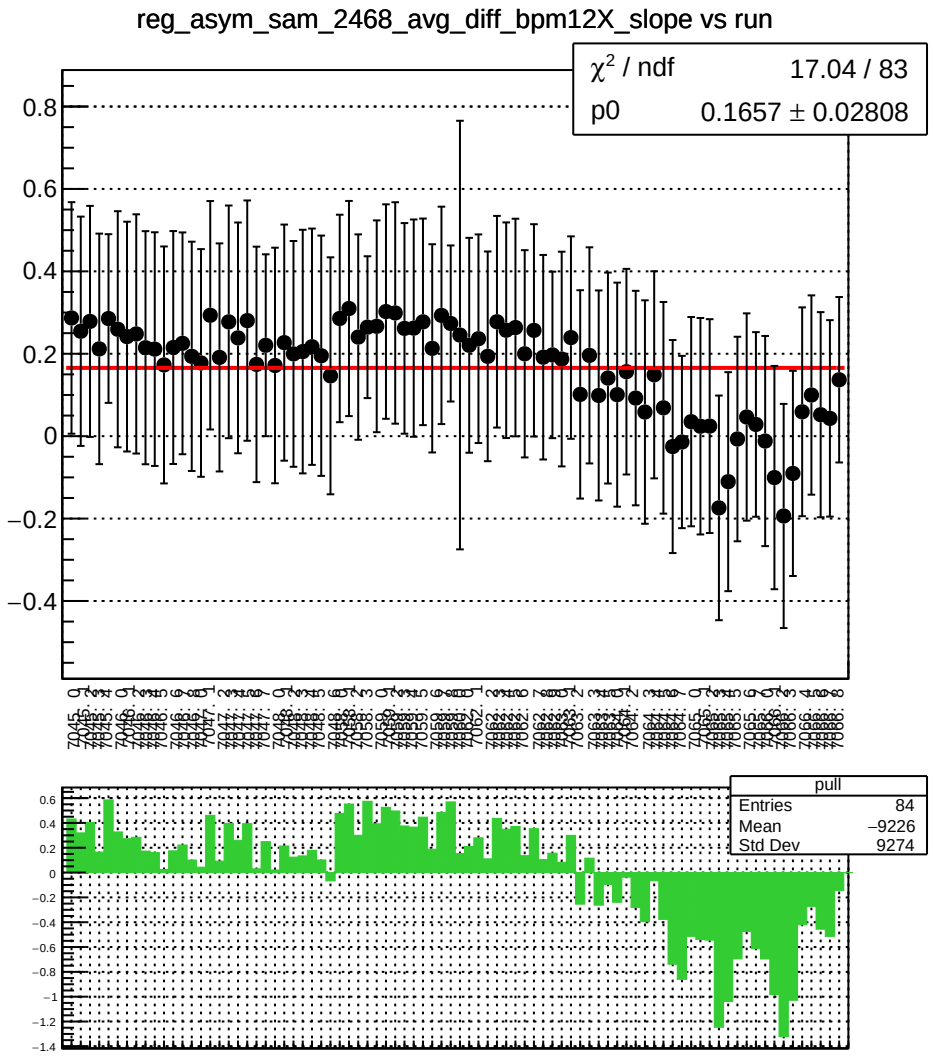

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 371.9 / 83
p0 −23.76 ± 0.7855
pull
Entries 84
Mean −134.5
Std Dev 179.9
pull1D
Entries 84
Mean 0.2892
Std Dev 1.896

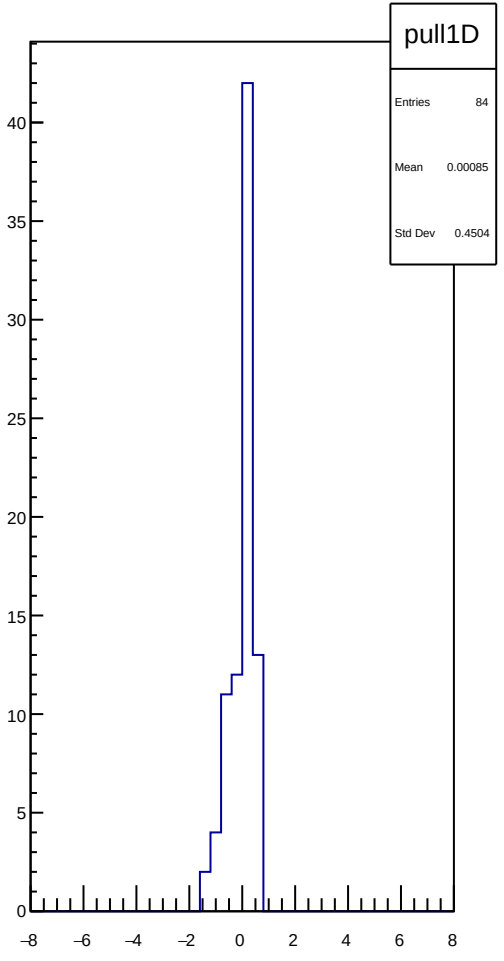

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 170.7 / 83
p0 0.8288 ± 0.5521
pull
Entries 84
Mean −625
Std Dev 669.4
pull1D
Entries 84
Mean −0.04108
Std Dev 1.425

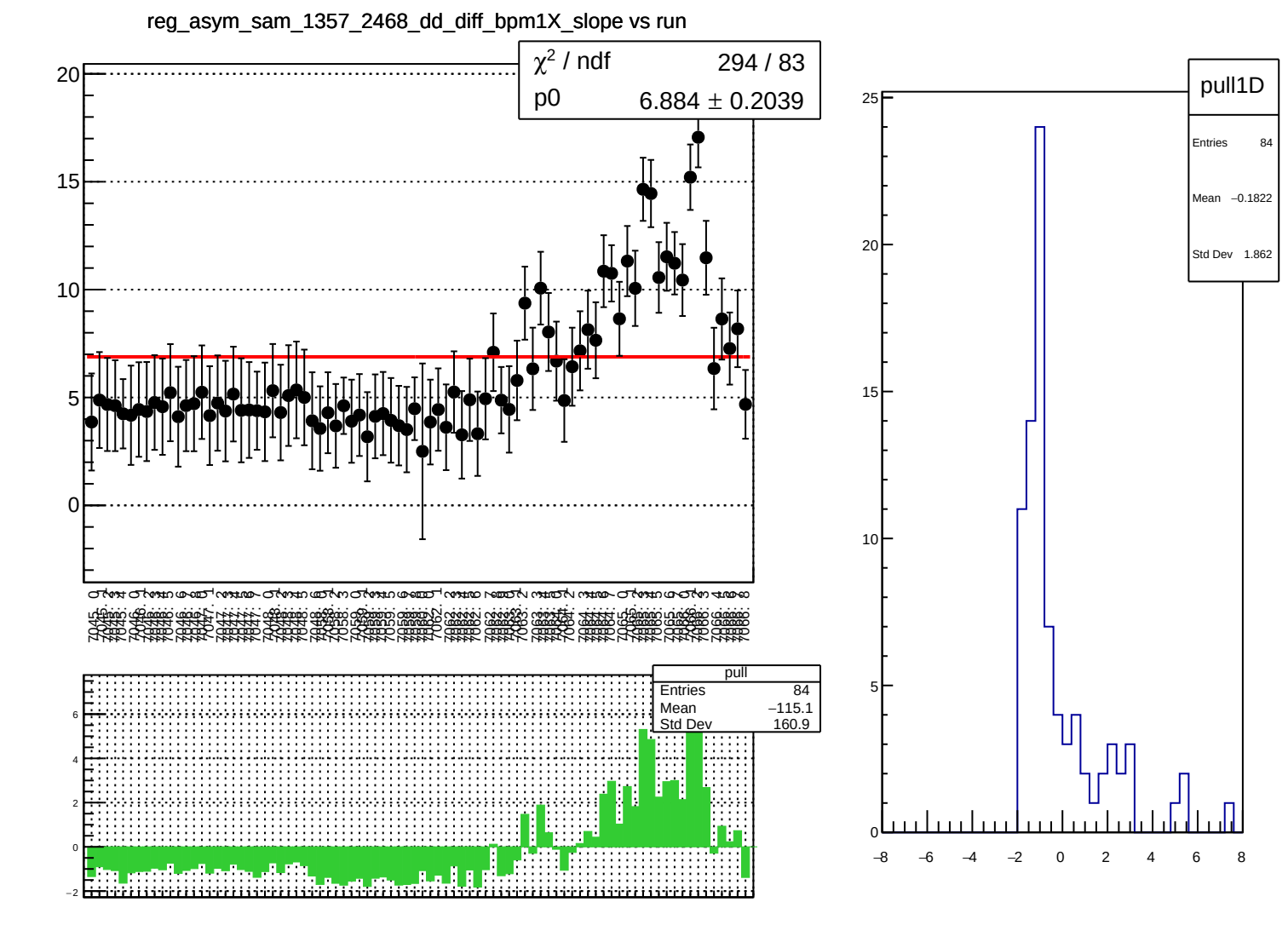

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 327.4 / 83
p0 −62.05 ± 0.7515
pull
Entries 84
Mean −147.5
Std Dev 192.5

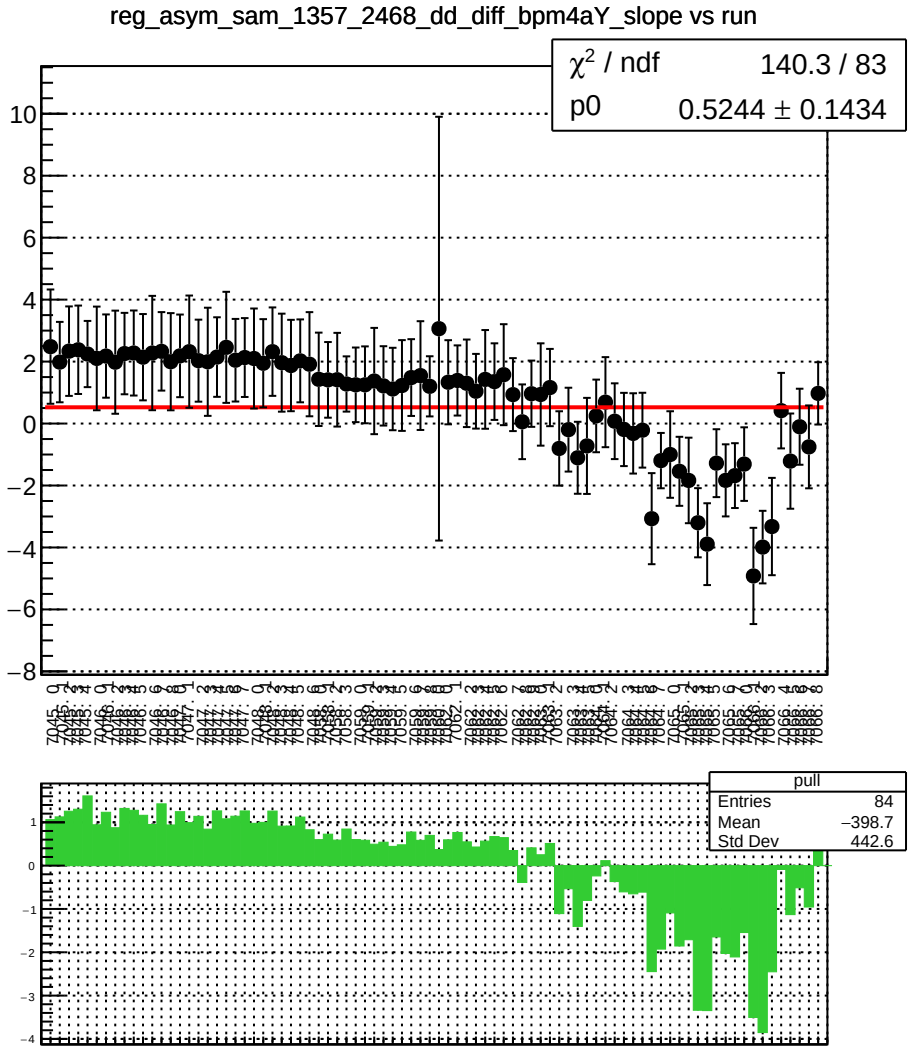

pull1D
Entries 84
Mean −0.1728
Std Dev 1.967

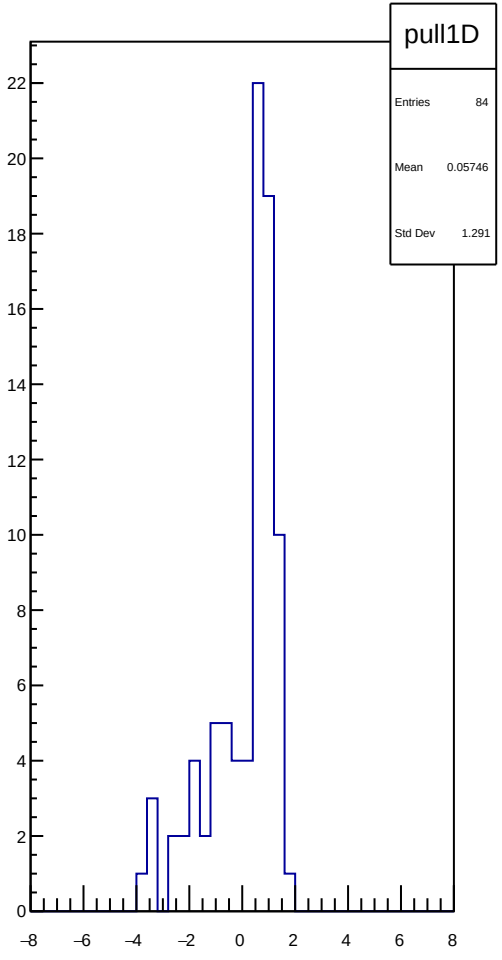

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 158.6 / 83
p0 37.75 ± 0.5899
pull
Entries 84
Mean −566.5
Std Dev 610.2
pull1D
Entries 84
Mean 0.04414
Std Dev 1.373

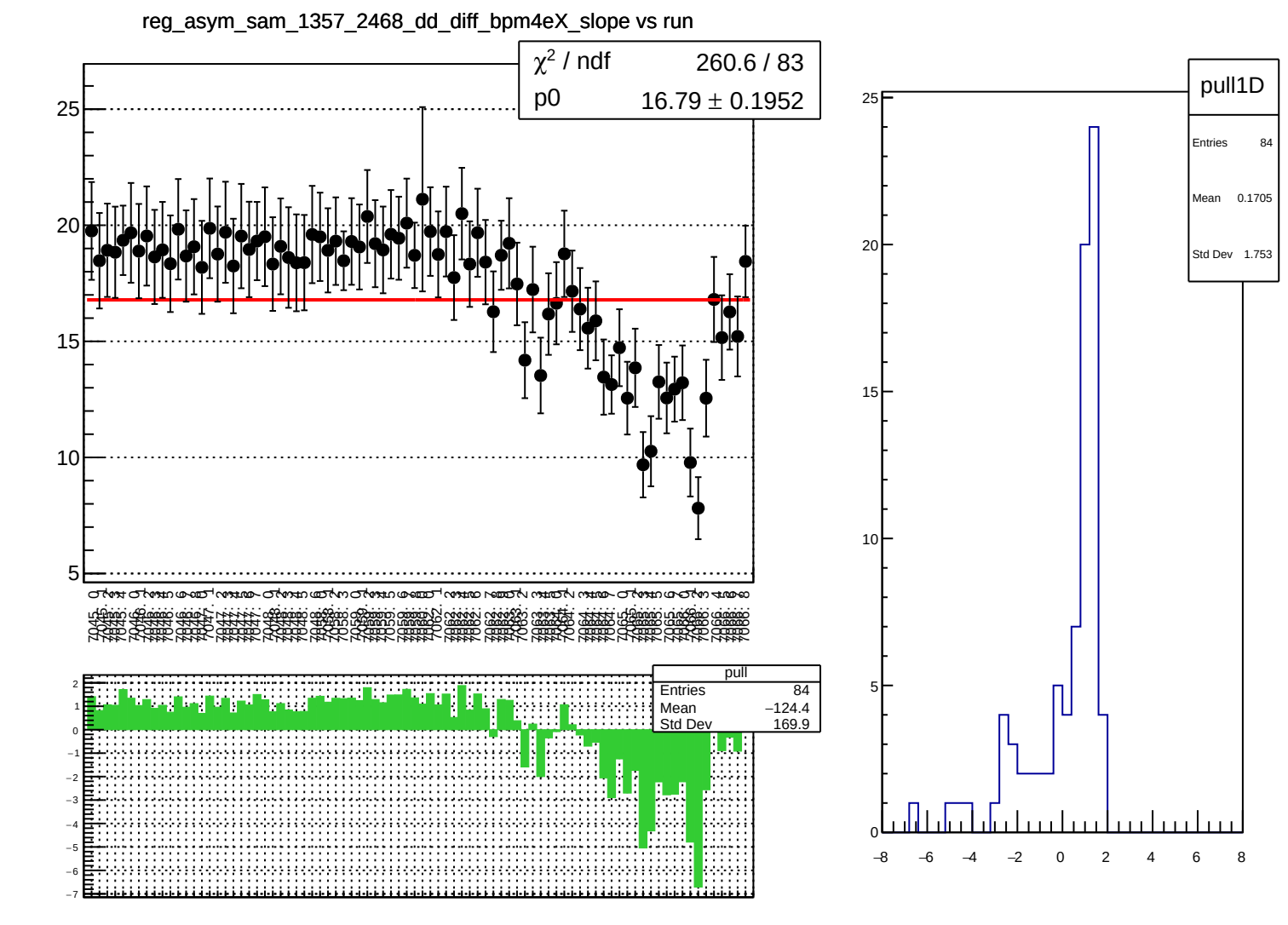

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 17.04 / 83
p0 0.1657 ± 0.02808
pull
Entries 84
Mean −9226
Std Dev 9274

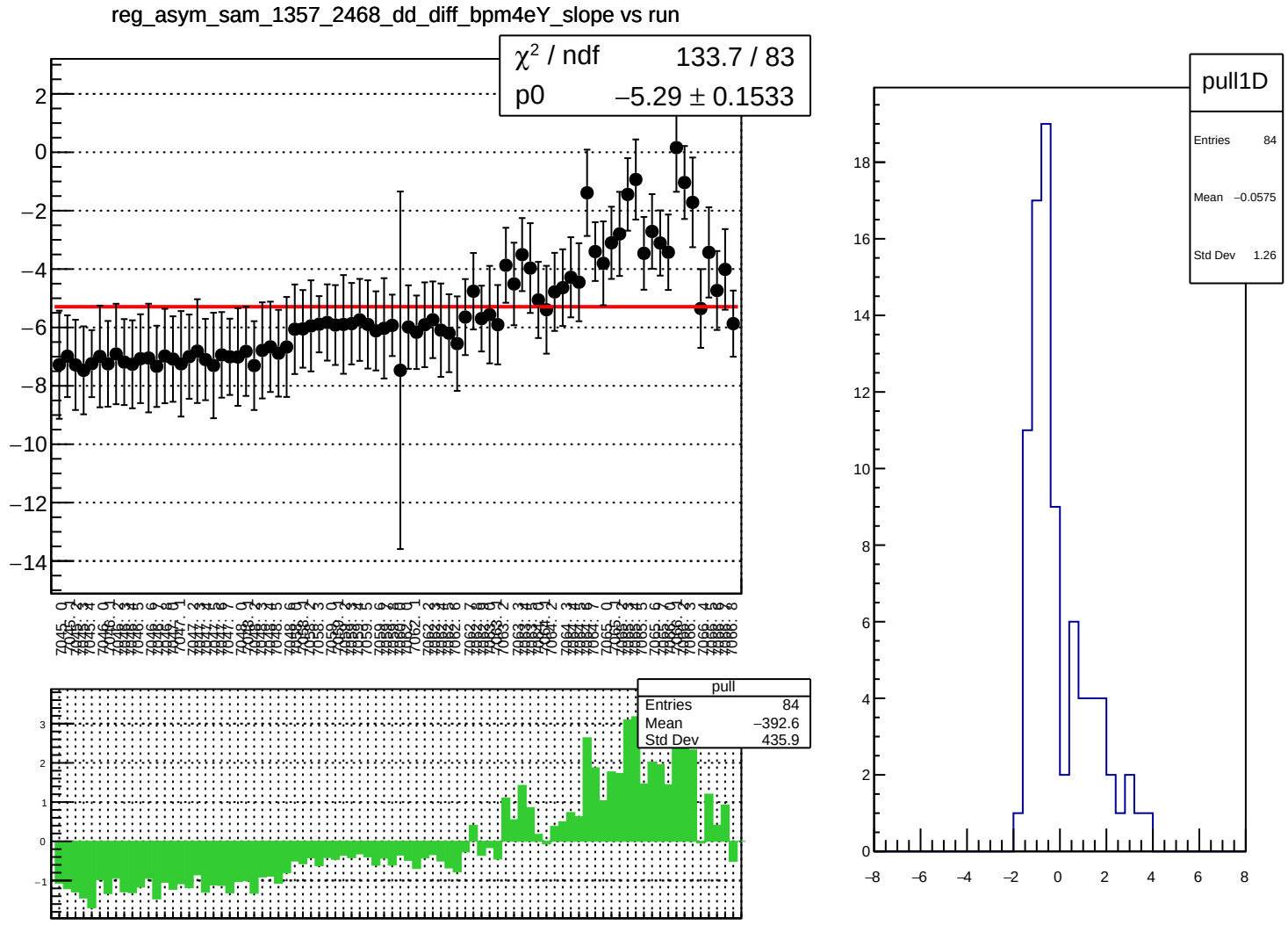

pull1D
Entries 84
Mean 0.00085
Std Dev 0.4504

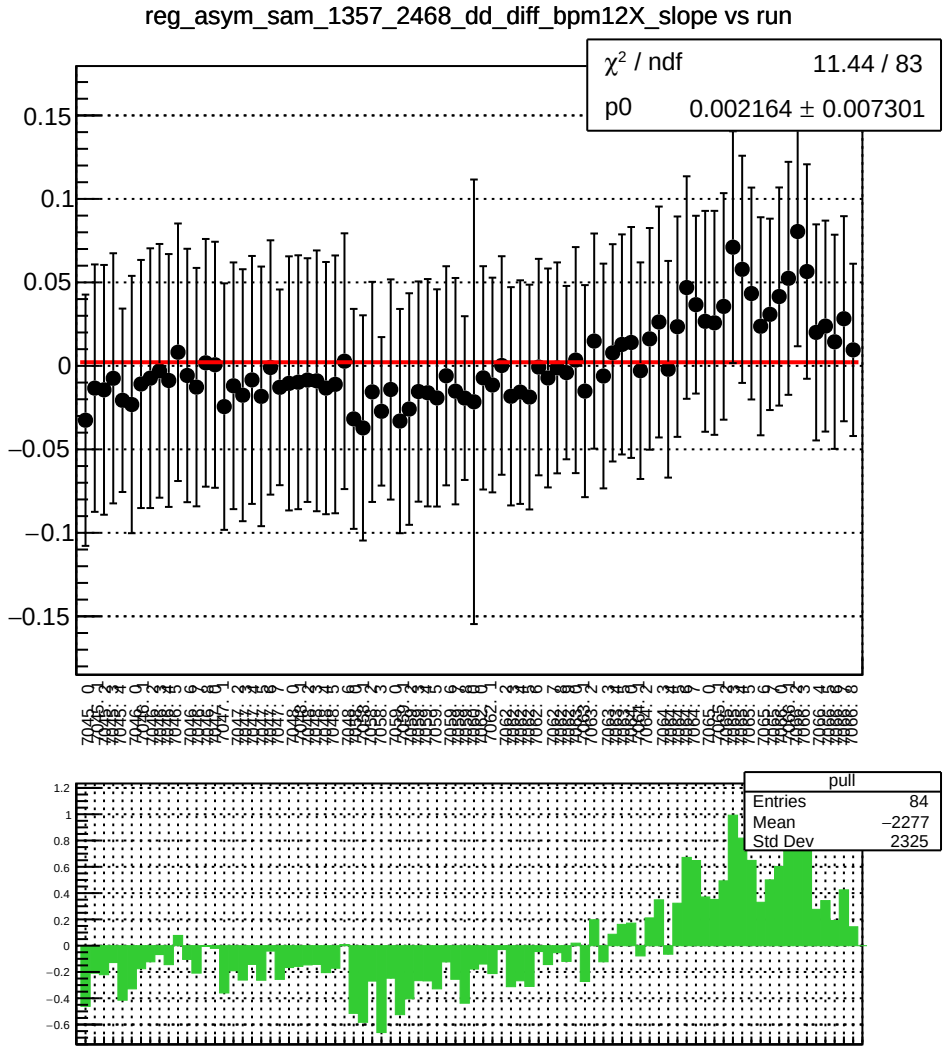

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 294 / 83
p0 6.884 ± 0.2039
pull
Entries 84
Mean −115.1
Std Dev 160.9
pull1D
Entries 84
Mean −0.1822
Std Dev 1.862

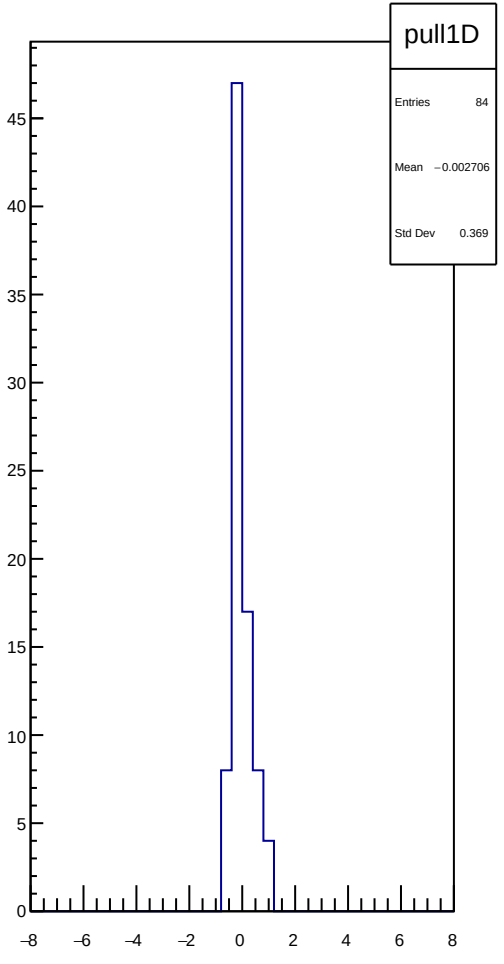

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 140.3 / 83
p0 0.5244 ± 0.1434
pull
Entries 84
Mean −398.7
Std Dev 442.6

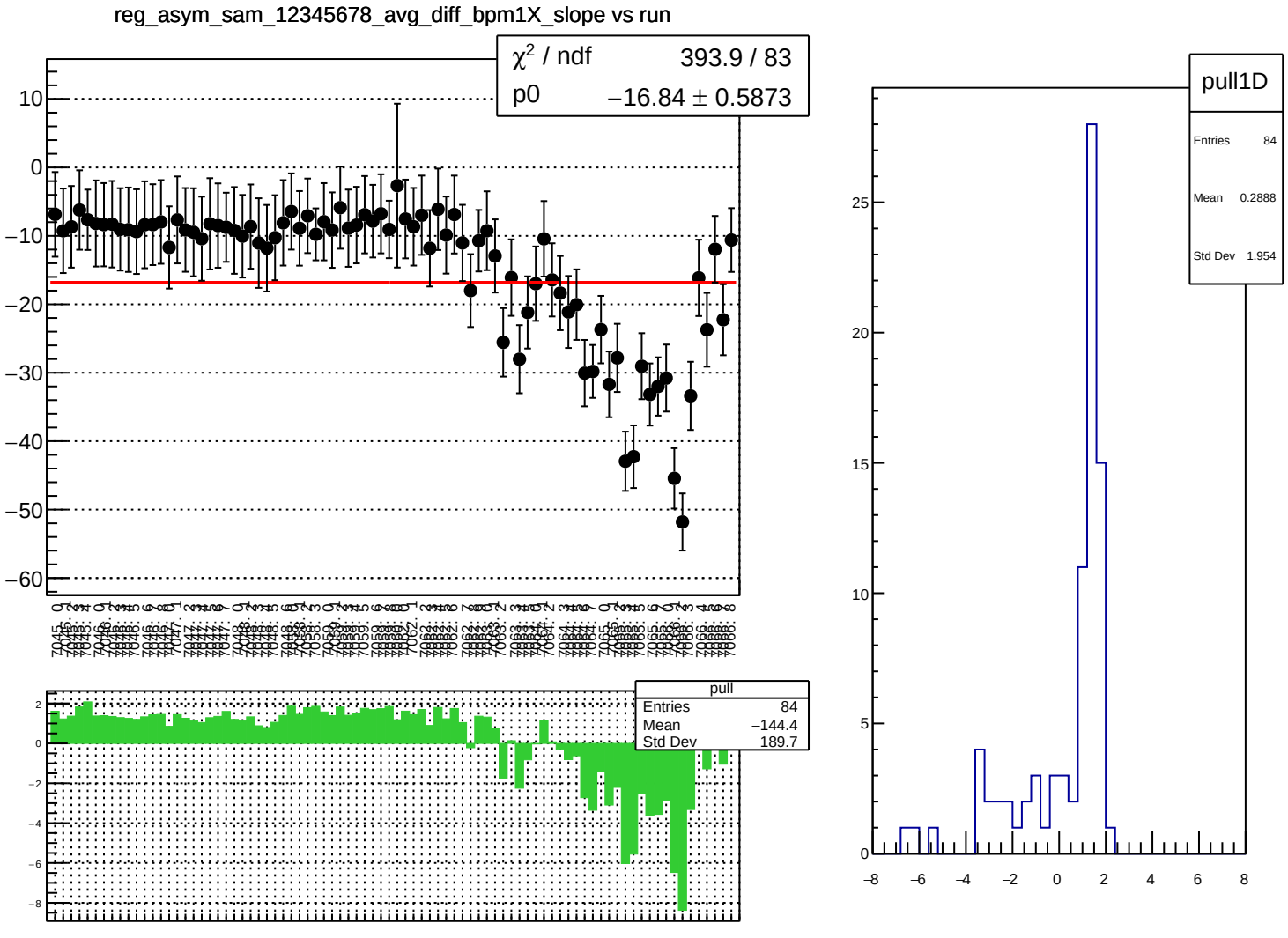

pull1D
Entries 84
Mean 0.05746
Std Dev 1.291

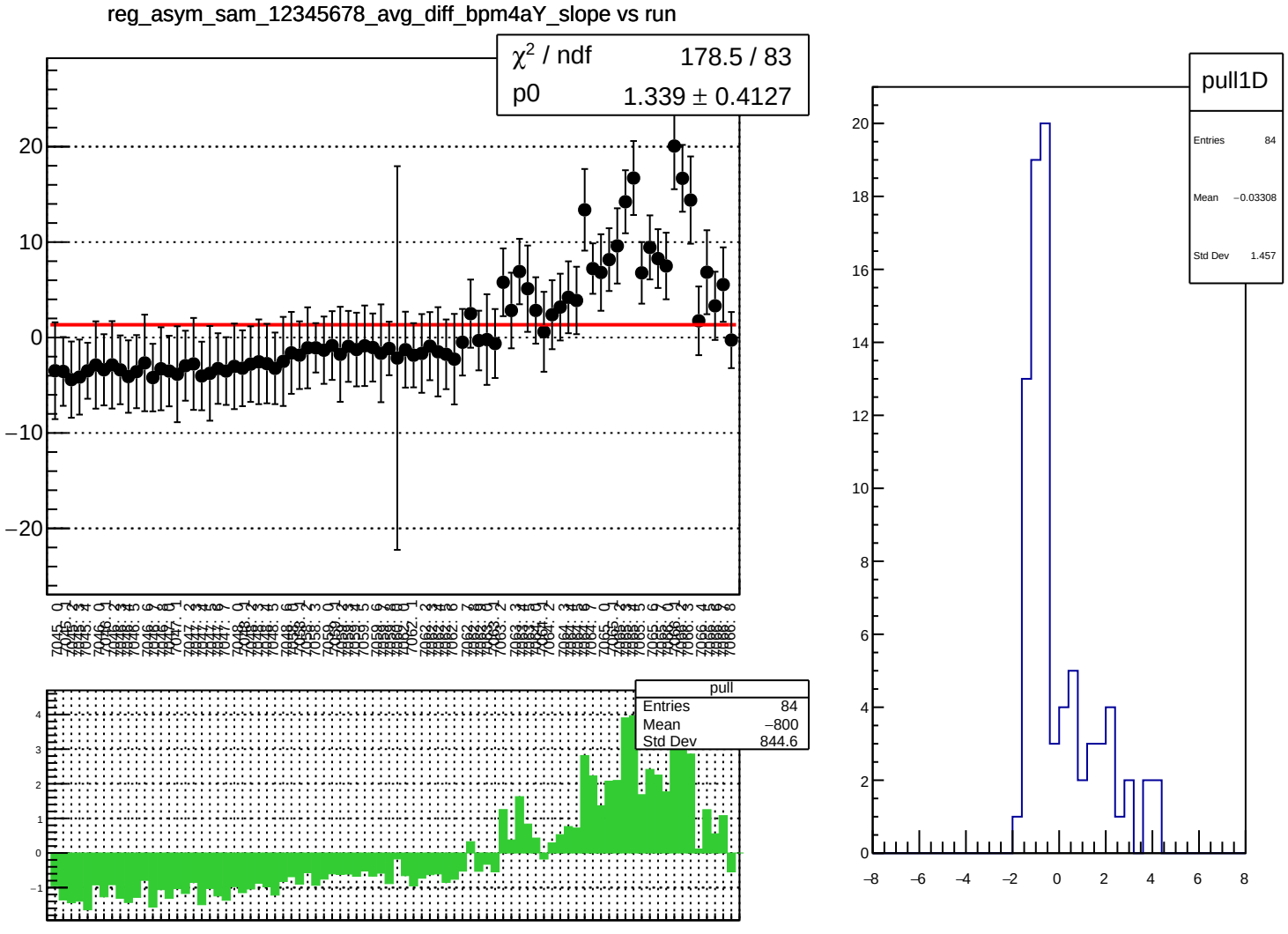

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 260.6 / 83
p0 16.79 ± 0.1952
pull
Entries 84
Mean −124.4
Std Dev 169.9
pull1D
Entries 84
Mean 0.1705
Std Dev 1.753

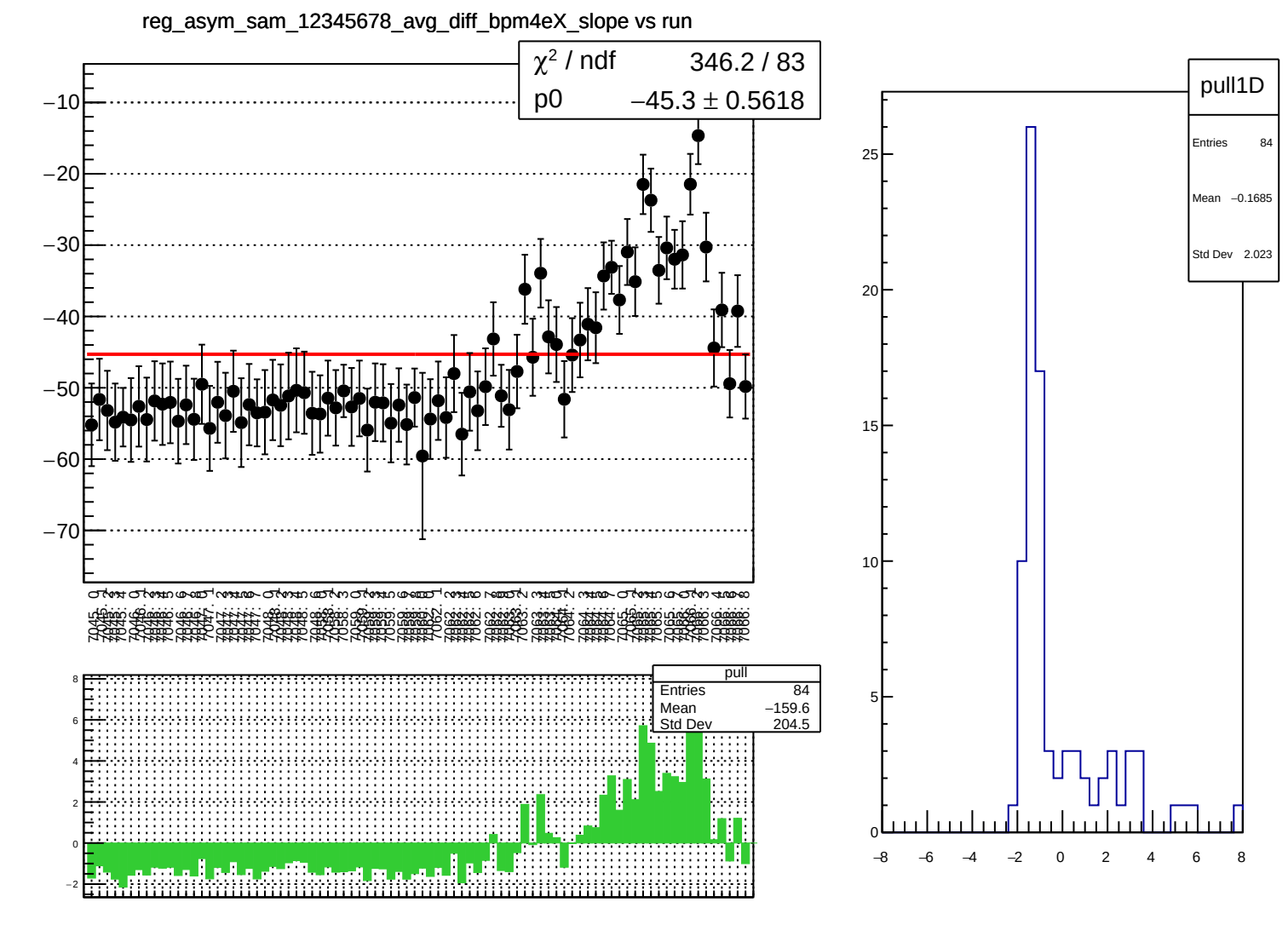

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 133.7 / 83
p0 −5.29 ± 0.1533
pull
Entries 84
Mean −392.6
Std Dev 435.9
pull1D
Entries 84
Mean −0.0575
Std Dev 1.26

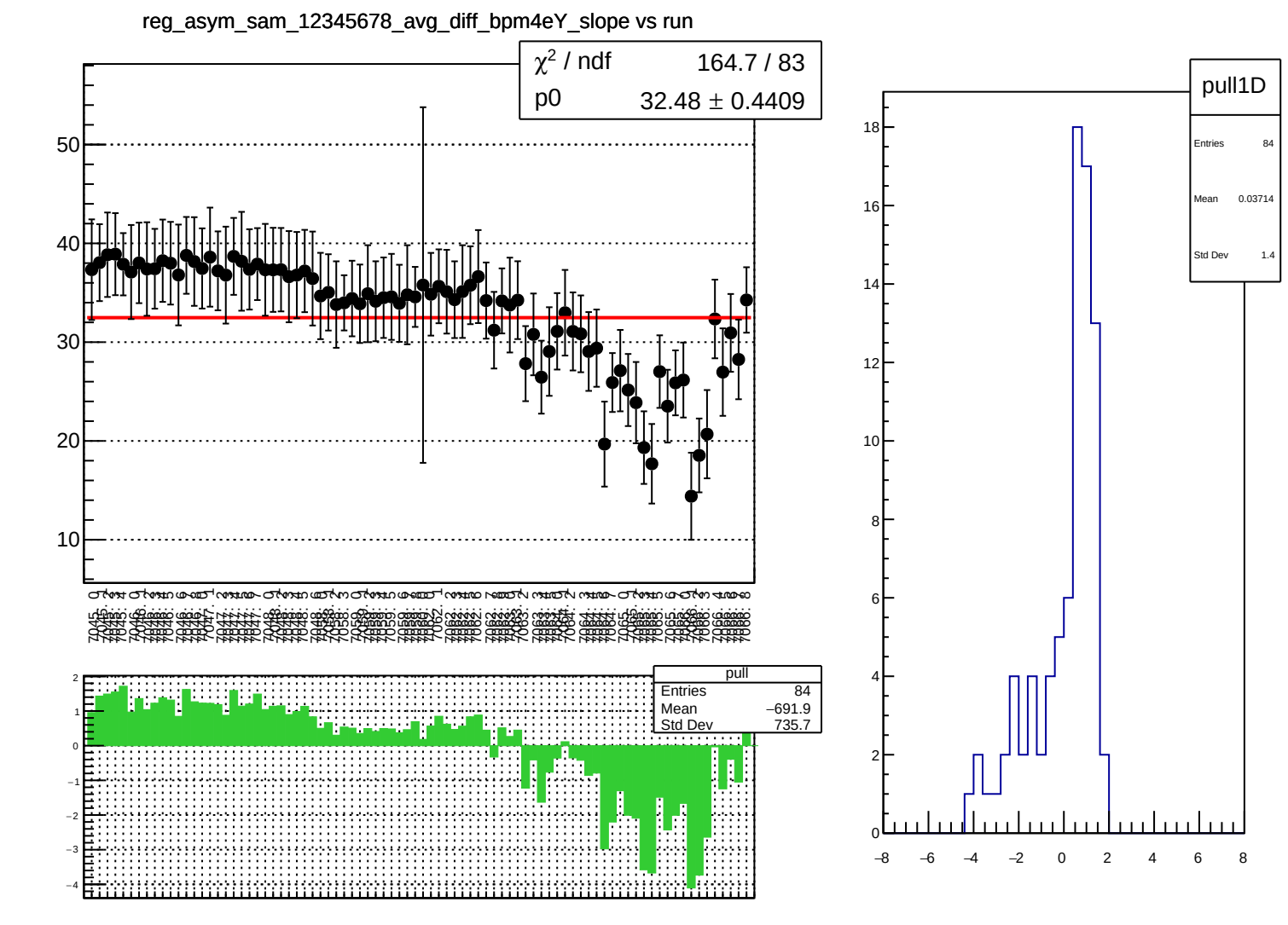

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 11.44 / 83
p0 0.002164 ± 0.007301
pull
Entries 84
Mean −2277
Std Dev 2325

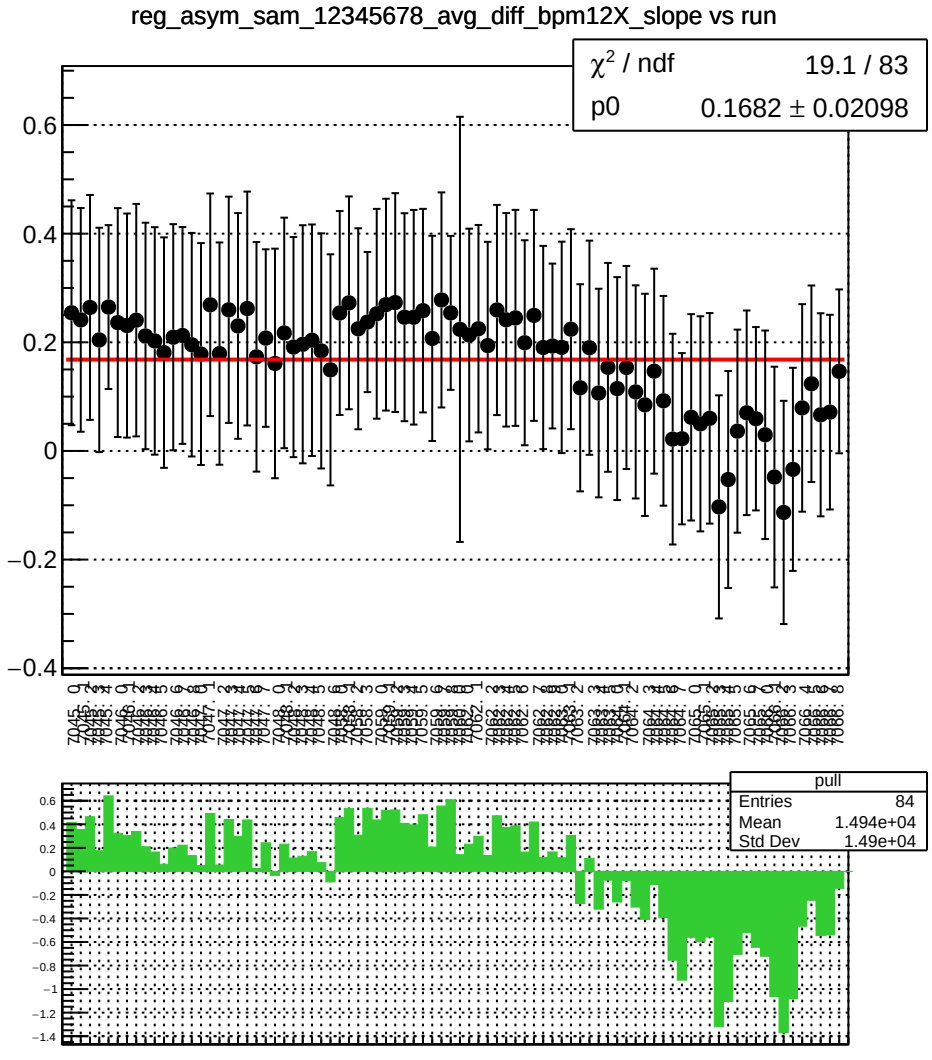

pull1D
Entries 84
Mean −0.002706
Std Dev 0.369

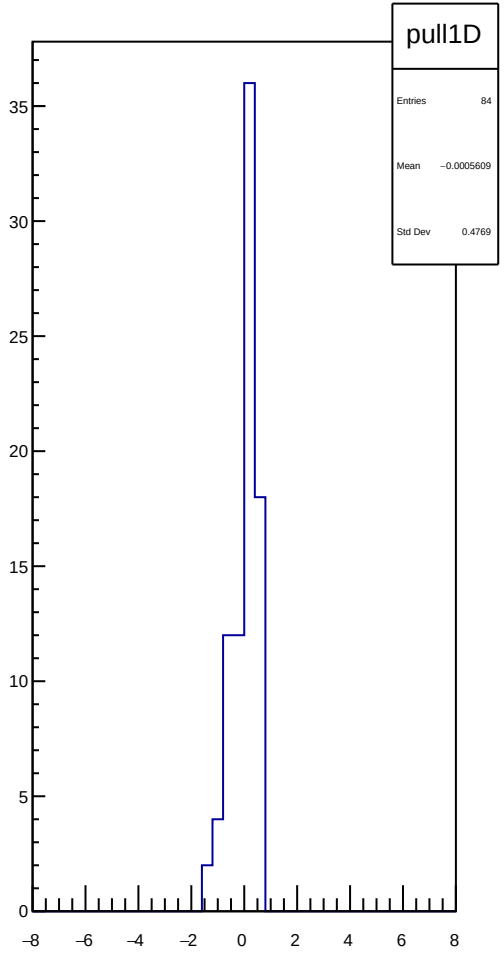

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 393.9 / 83
p0 −16.84 ± 0.5873
pull
Entries 84
Mean −144.4
Std Dev 189.7
pull1D
Entries 84
Mean 0.2888
Std Dev 1.954

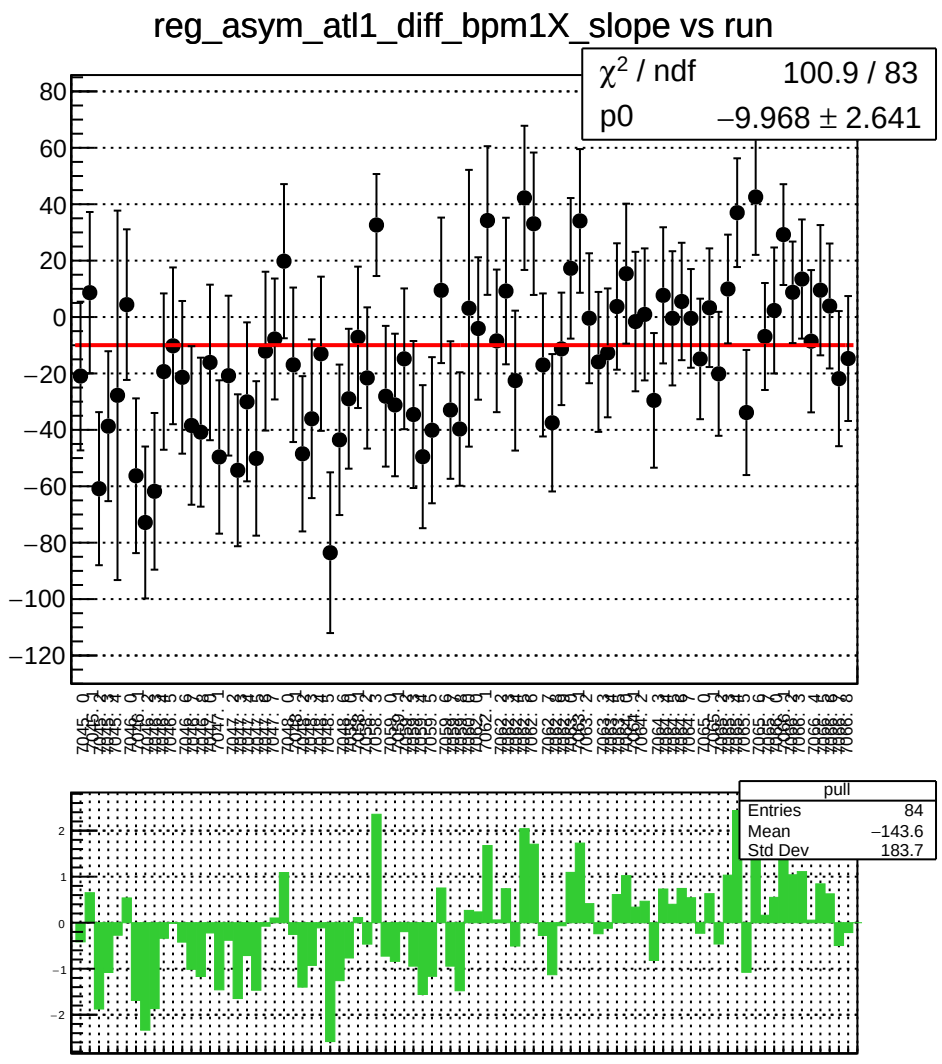

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 178.5 / 83
p0 1.339 ± 0.4127
pull
Entries 84
Mean −800
Std Dev 844.6
pull1D
Entries 84
Mean −0.03308
Std Dev 1.457

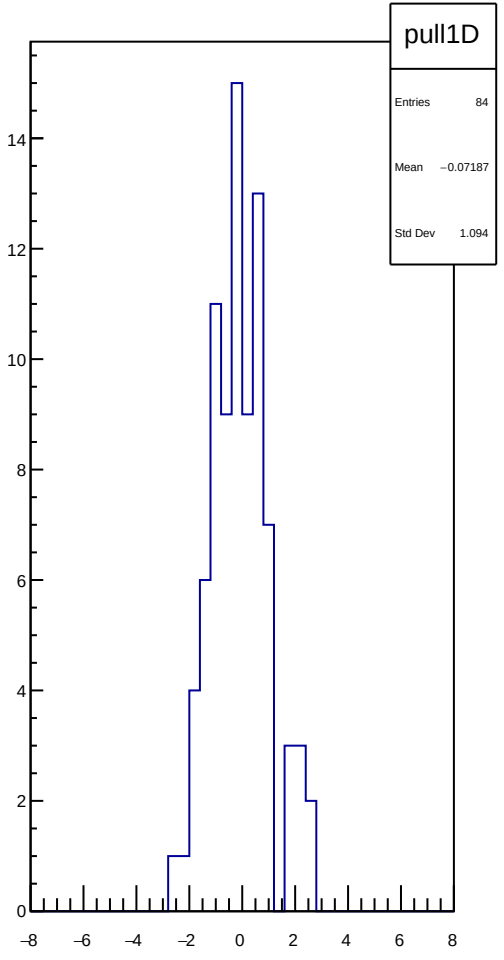

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 346.2 / 83
p0 −45.3 ± 0.5618
pull
Entries 84
Mean −159.6
Std Dev 204.5
pull1D
Entries 84
Mean −0.1685
Std Dev 2.023

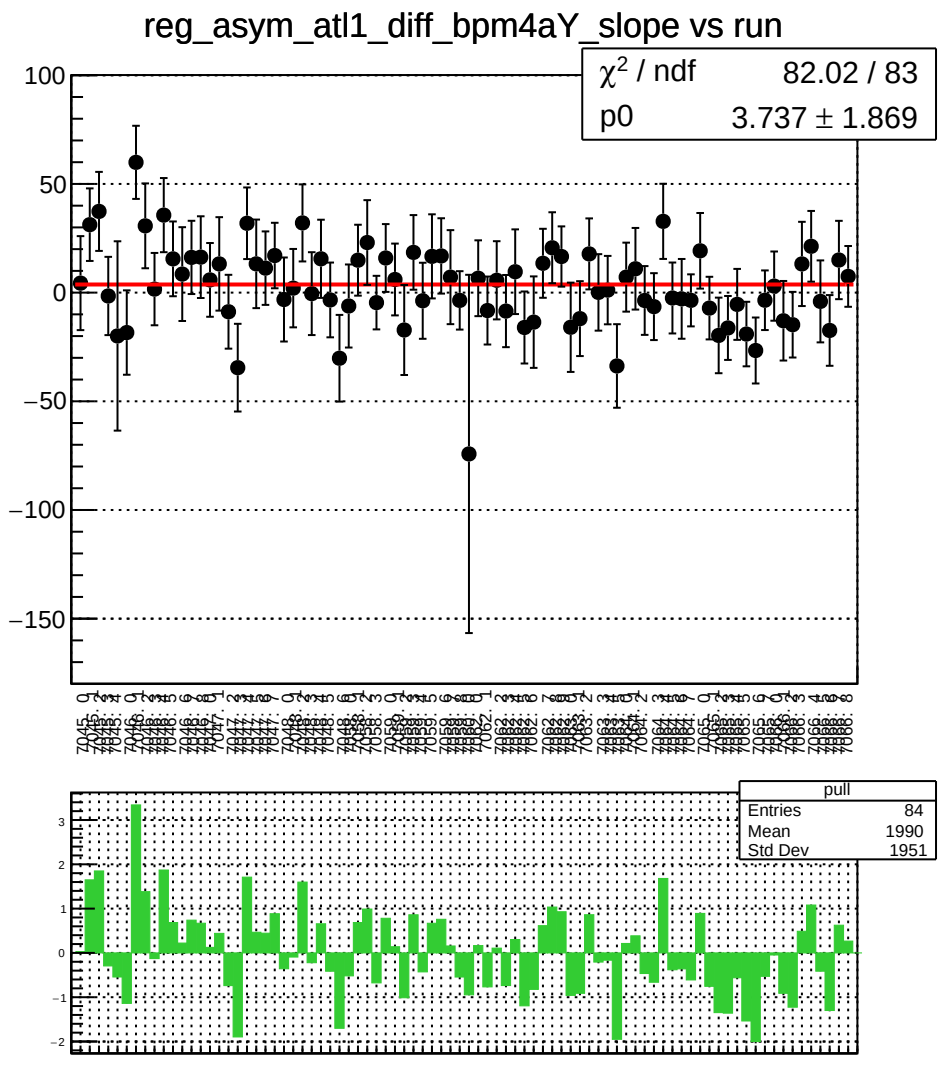

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 164.7 / 83
p0 32.48 ± 0.4409
pull
Entries 84
Mean −691.9
Std Dev 735.7
pull1D
Entries 84
Mean 0.03714
Std Dev 1.4

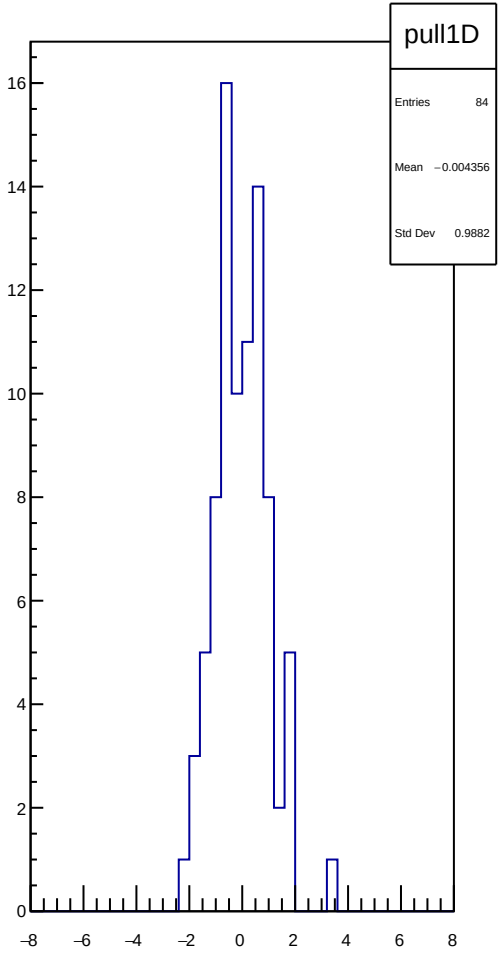

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 19.1 / 83
p0 0.1682 ± 0.02098
pull
Entries 84
Mean 1.494e+04
Std Dev 1.49e+04

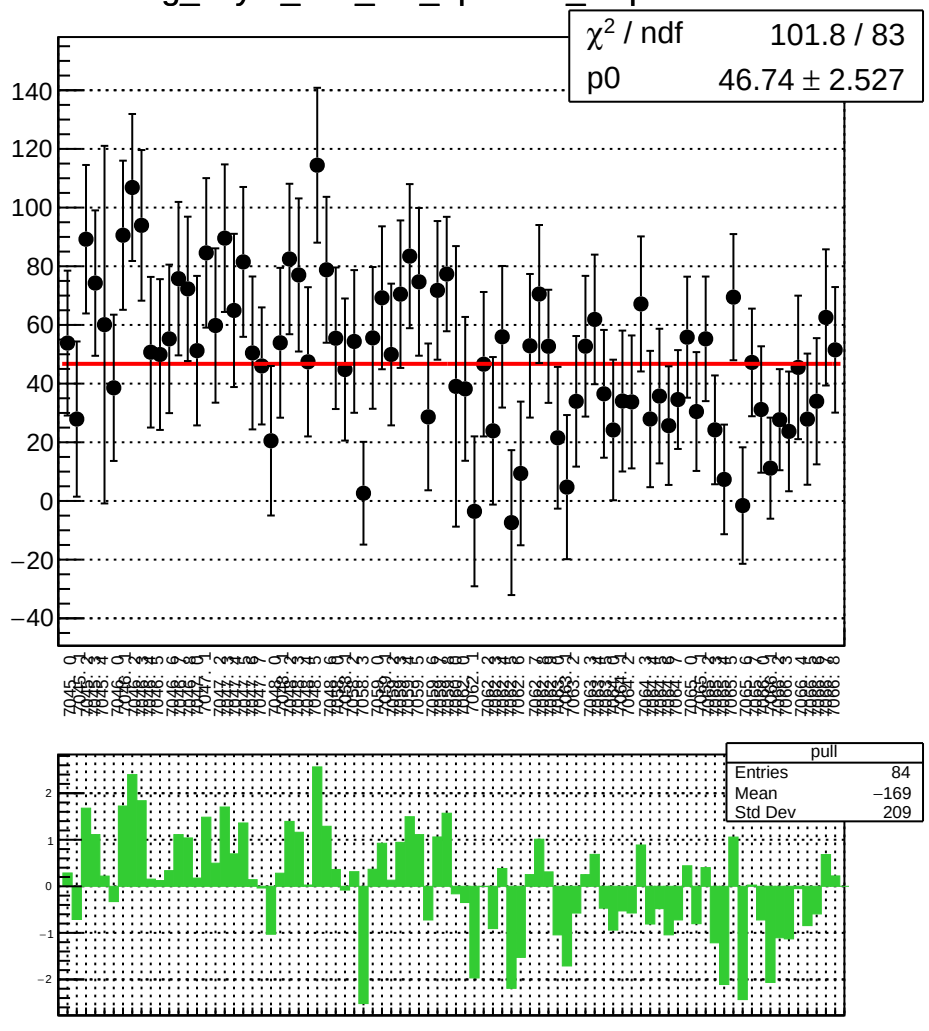

pull1D
Entries 84
Mean −0.0005609
Std Dev 0.4769

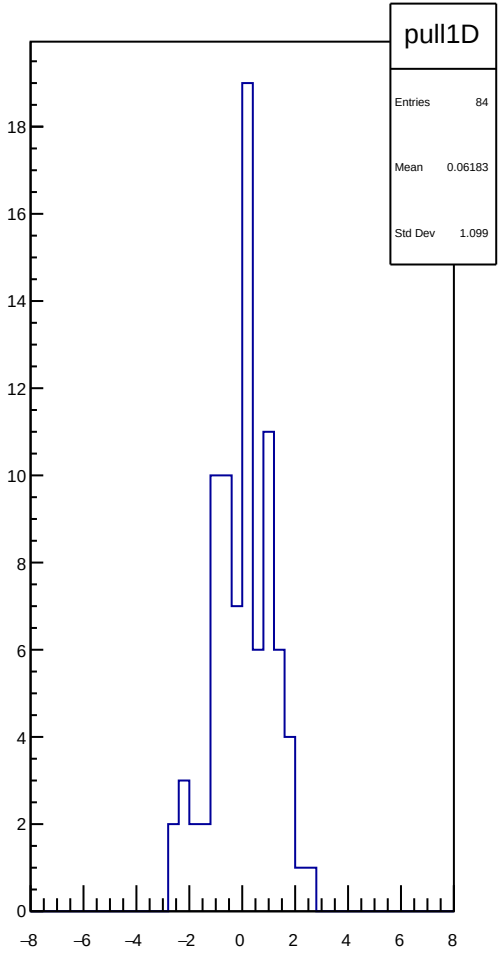

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 100.9 / 83
p0 −9.968 ± 2.641
pull
Entries 84
Mean −143.6
Std Dev 183.7

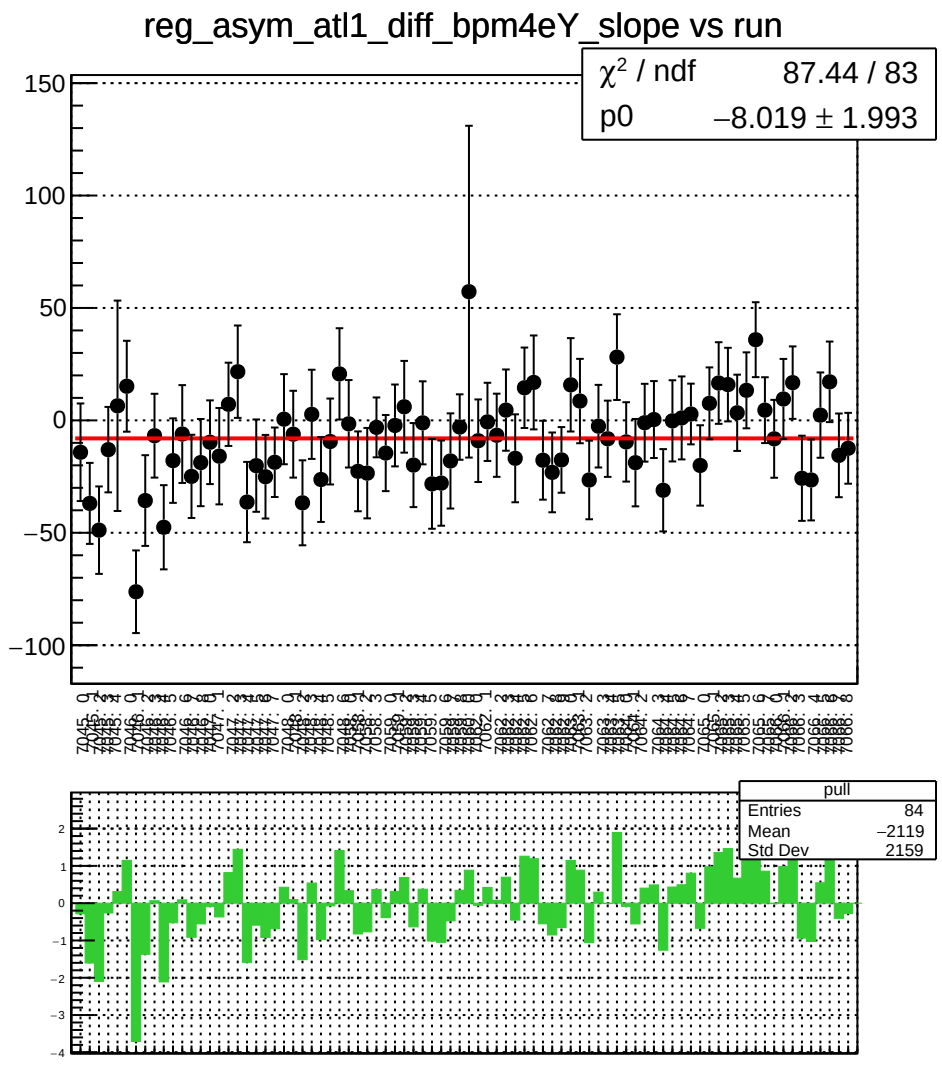

pull1D
Entries 84
Mean −0.07187
Std Dev 1.094

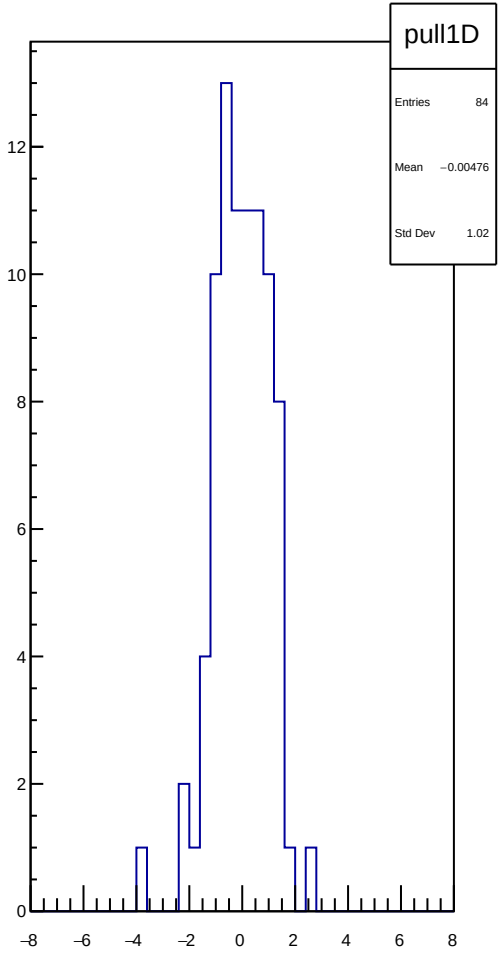

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 82.02 / 83
p0 3.737 ± 1.869
pull
Entries 84
Mean 1990
Std Dev 1951

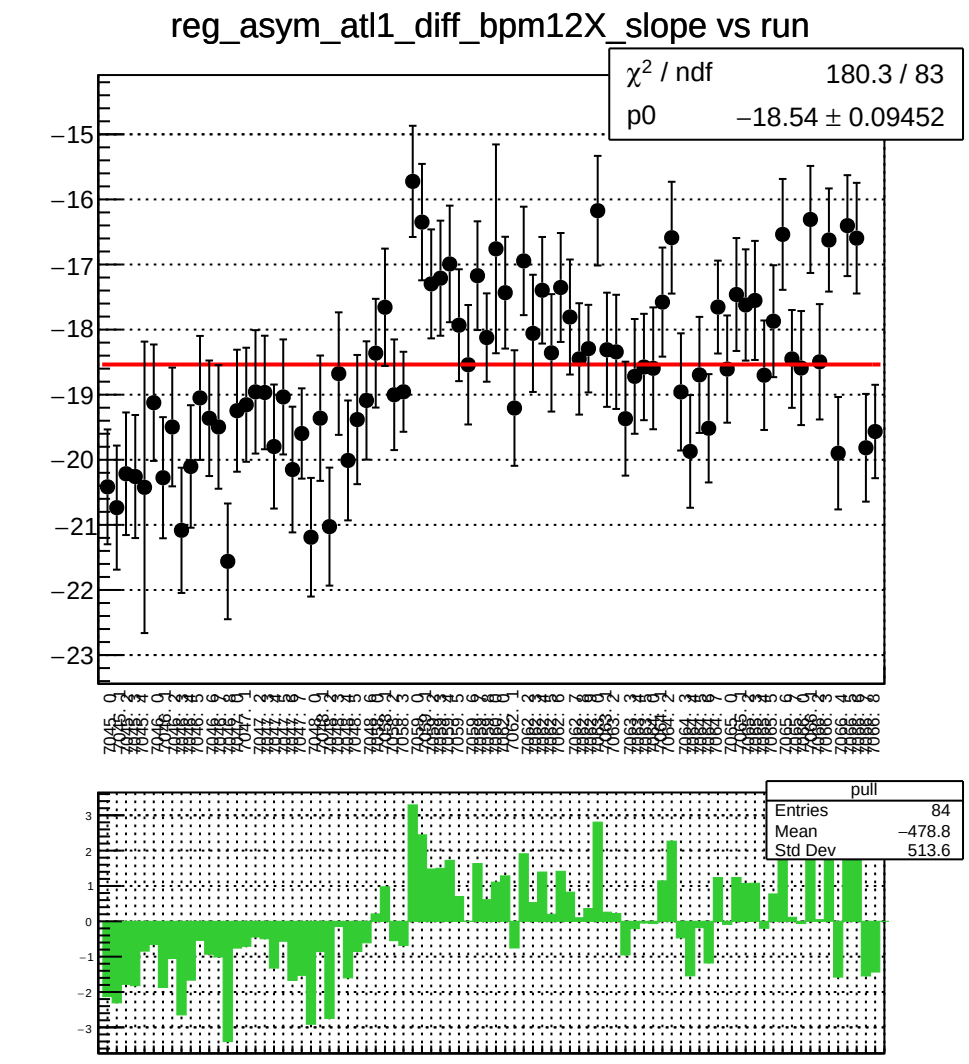

pull1D
Entries 84
Mean −0.004356
Std Dev 0.9882

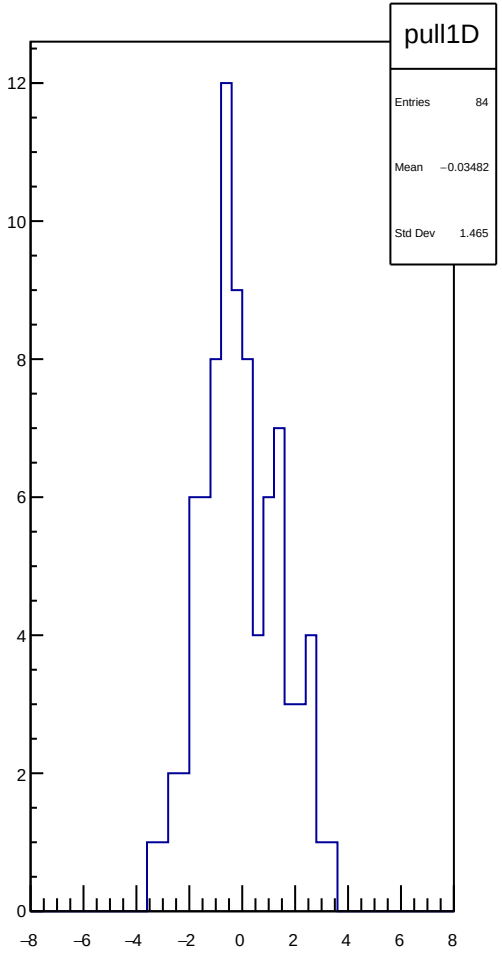

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 101.8 / 83
p0 46.74 ± 2.527
pull
Entries 84
Mean −169
Std Dev 209

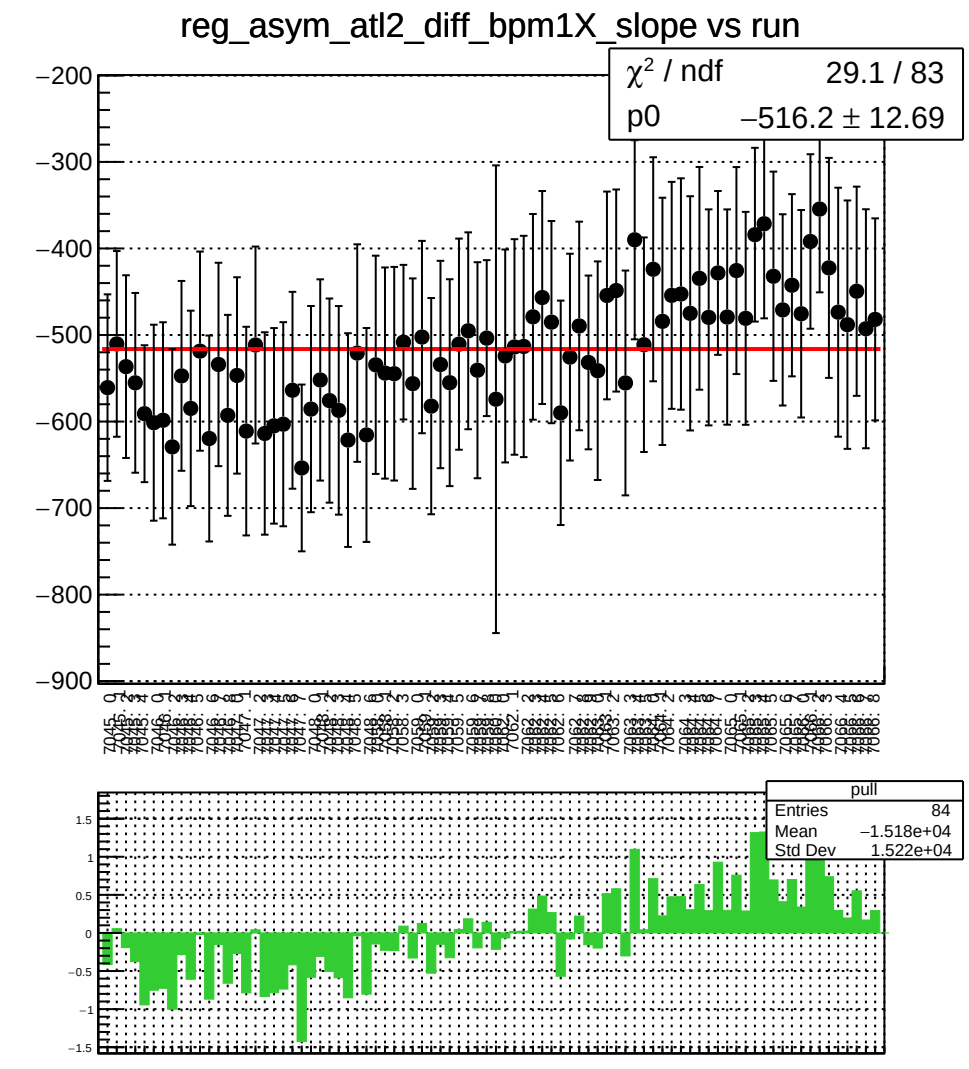

pull1D
Entries 84
Mean 0.06183
Std Dev 1.099

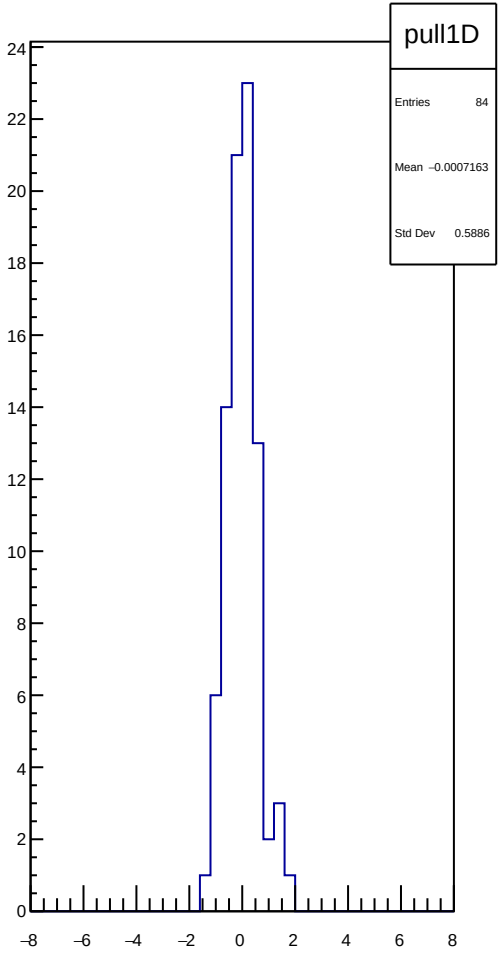

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 87.44 / 83
p0 −8.019 ± 1.993
150
100
50
0
−50
−100
pull
Entries 84
Mean −2119
Std Dev 2159
2
1
0
−1
−2
−3
−4

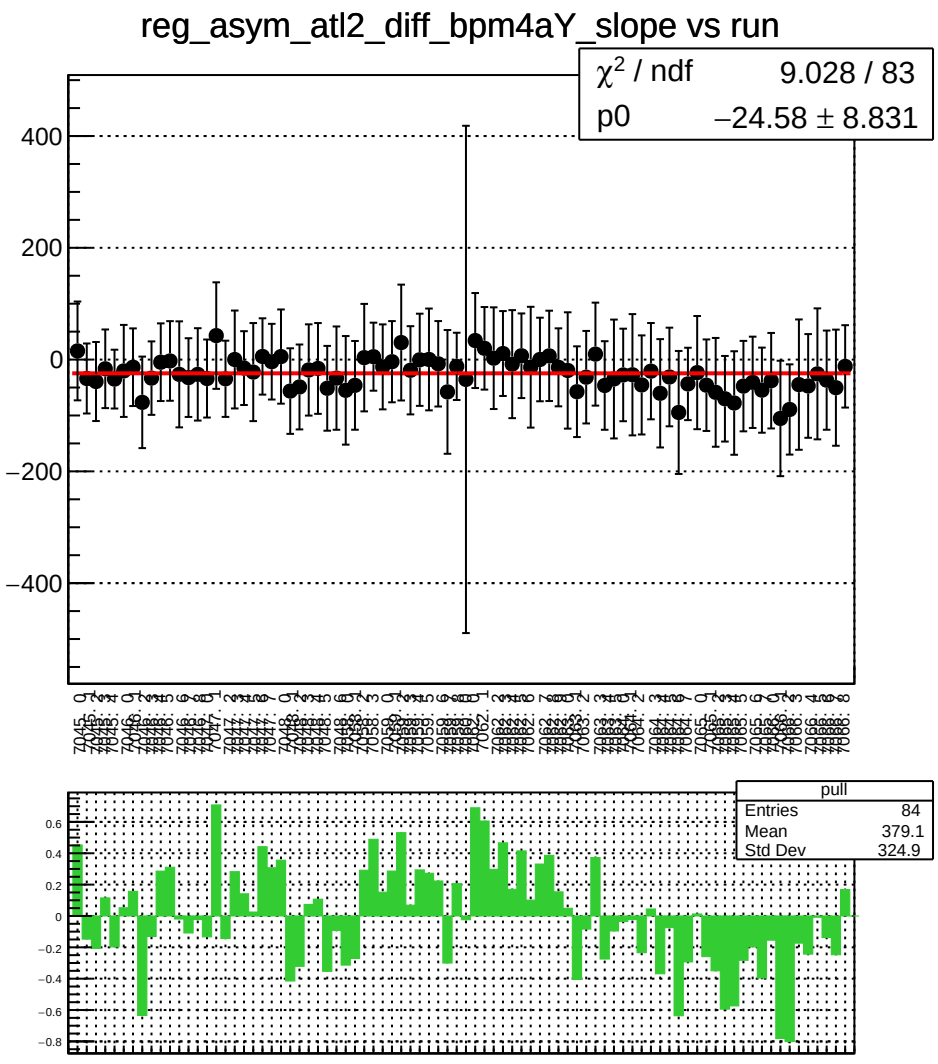

pull1D
Entries 84
Mean −0.00476
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

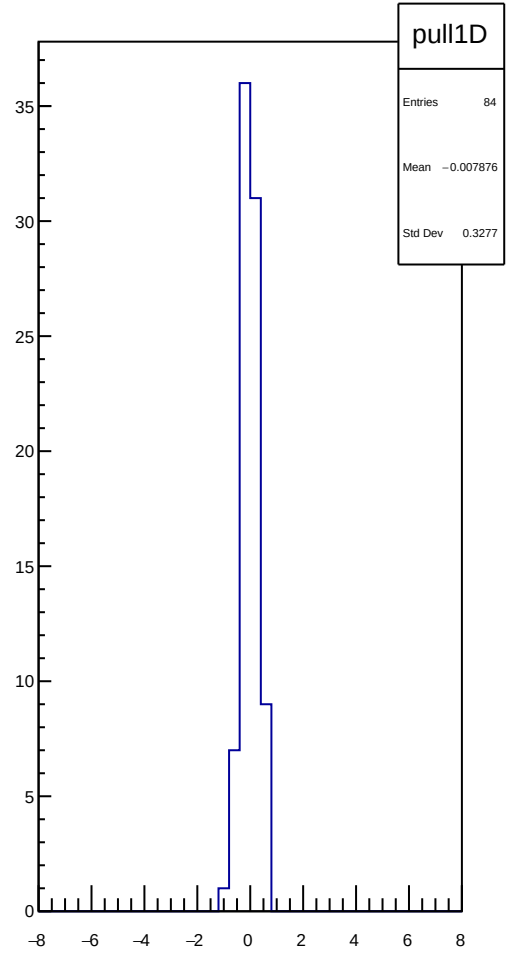

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 180.3 / 83
p0 −18.54 ± 0.09452
pull
Entries 84
Mean −478.8
Std Dev 513.6

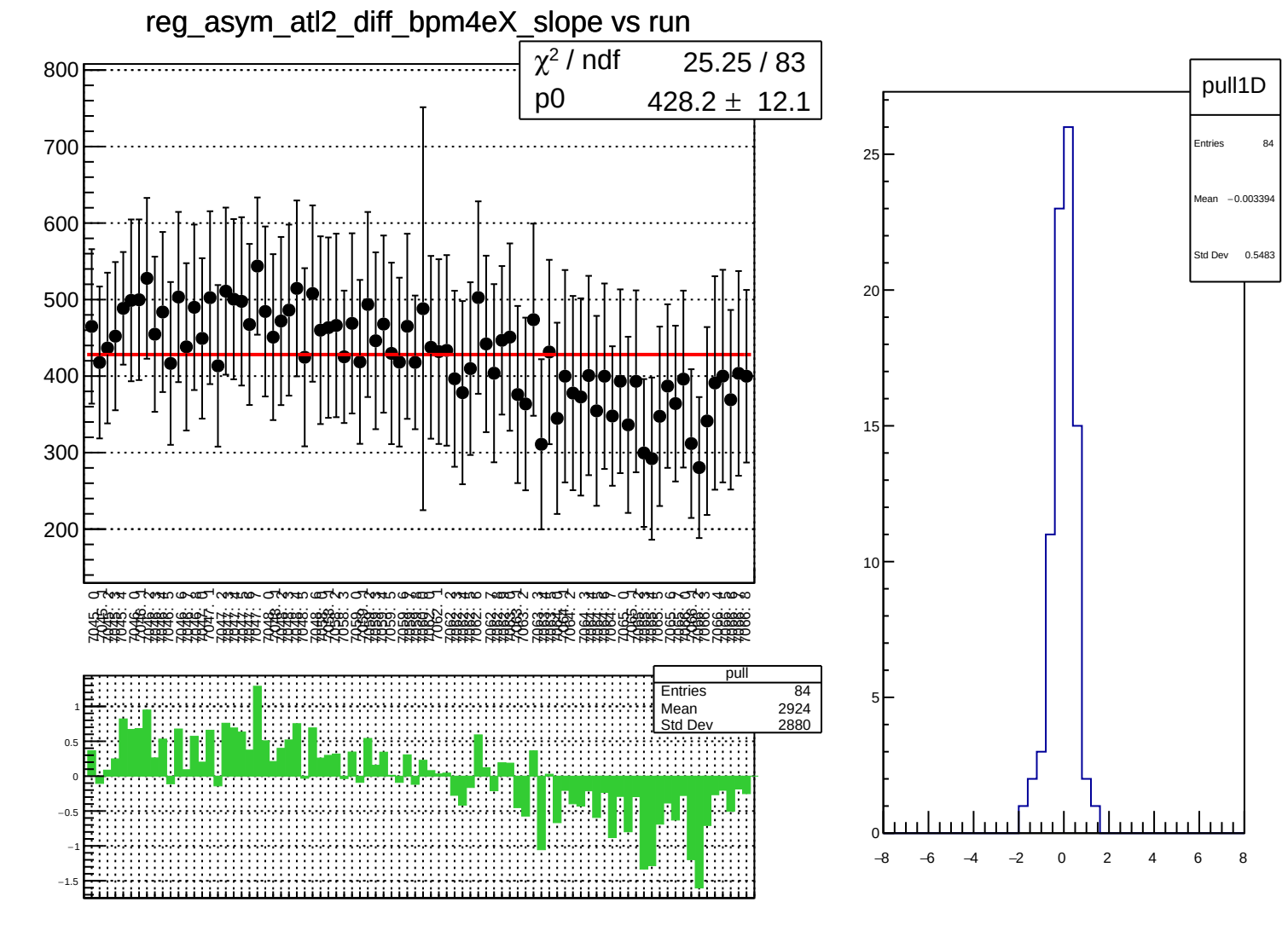

pull1D
Entries 84
Mean −0.03482
Std Dev 1.465

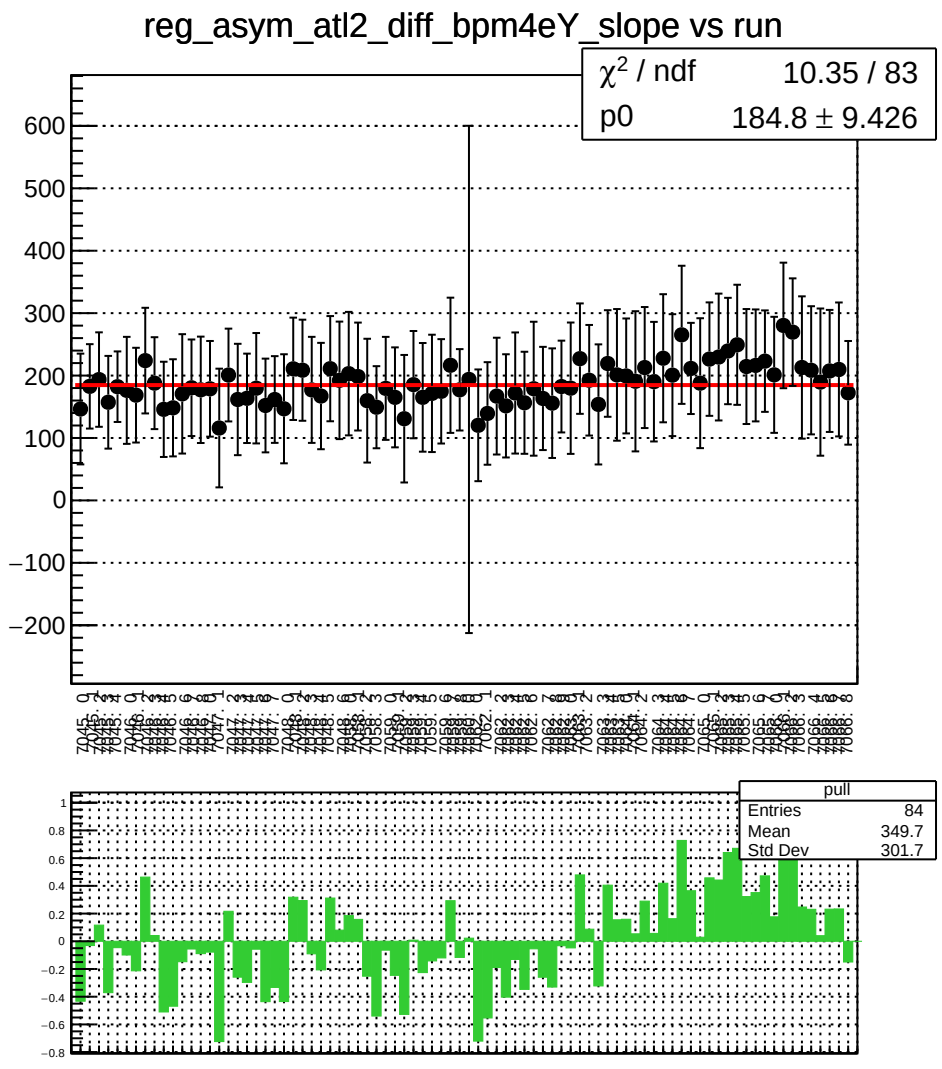

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 29.1 / 83
p0 −516.2 ± 12.69
pull
Entries 84
Mean −1.518e+04
Std Dev 1.522e+04

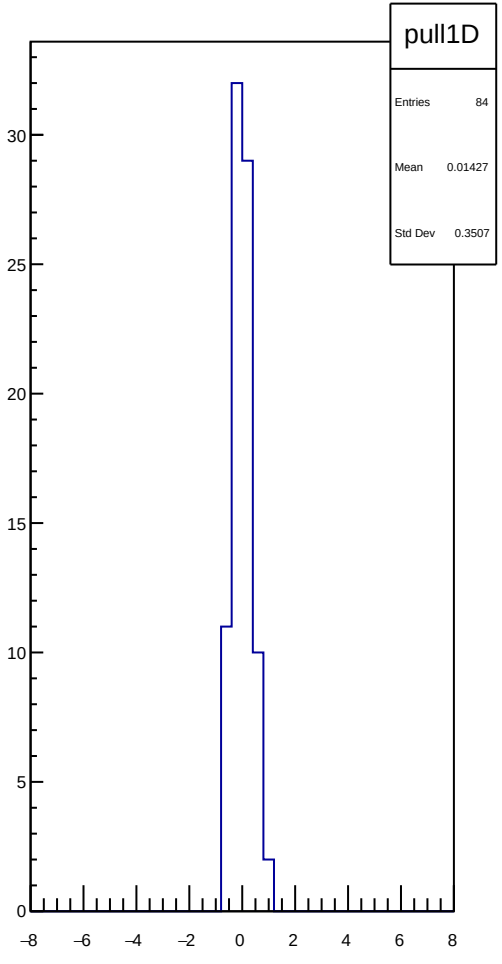

pull1D
Entries 84
Mean −0.0007163
Std Dev 0.5886

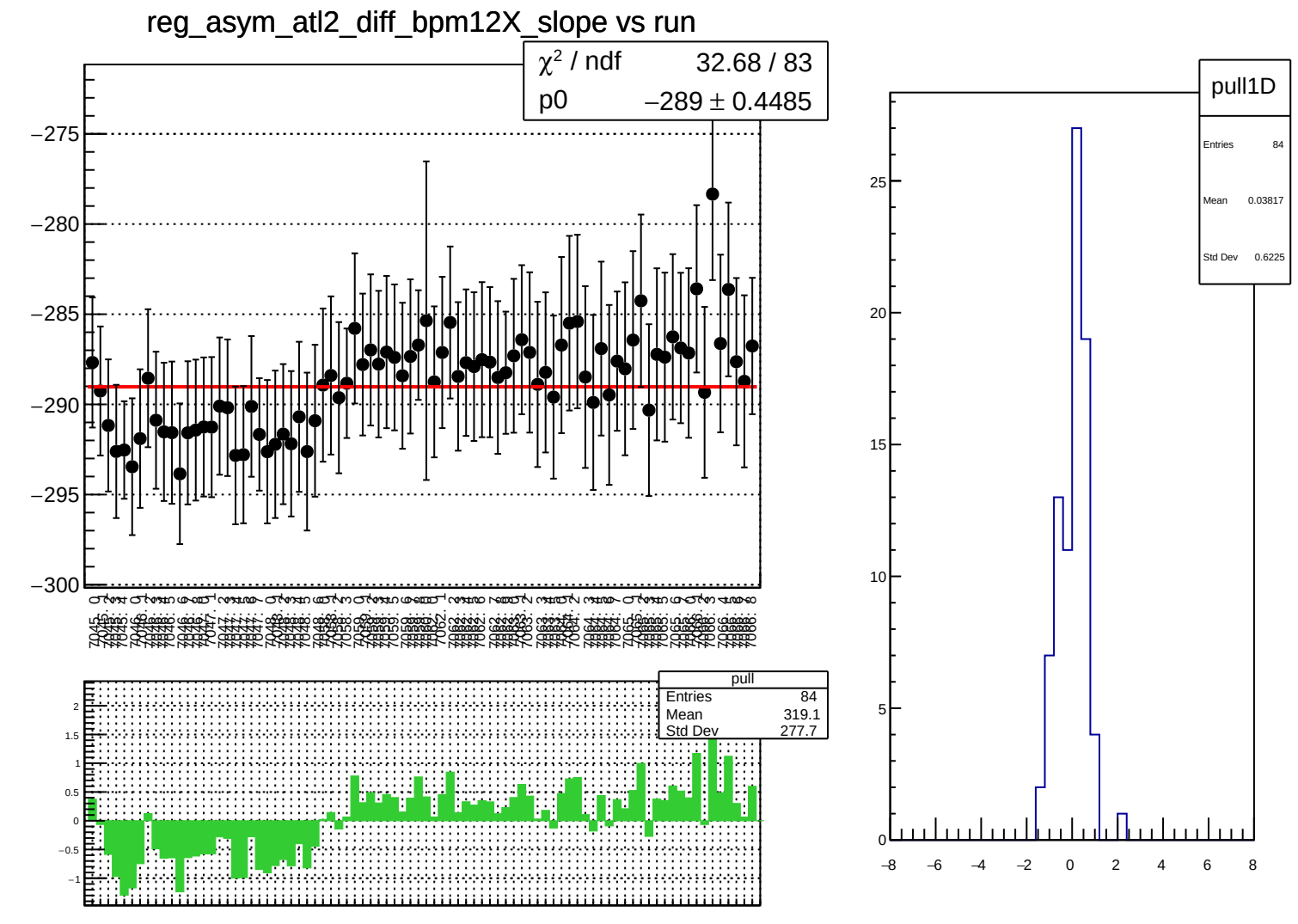

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.028 / 83
p0 −24.58 ± 8.831
400
200
0
−200
−400
pull
Entries 84
Mean 379.1
Std Dev 324.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

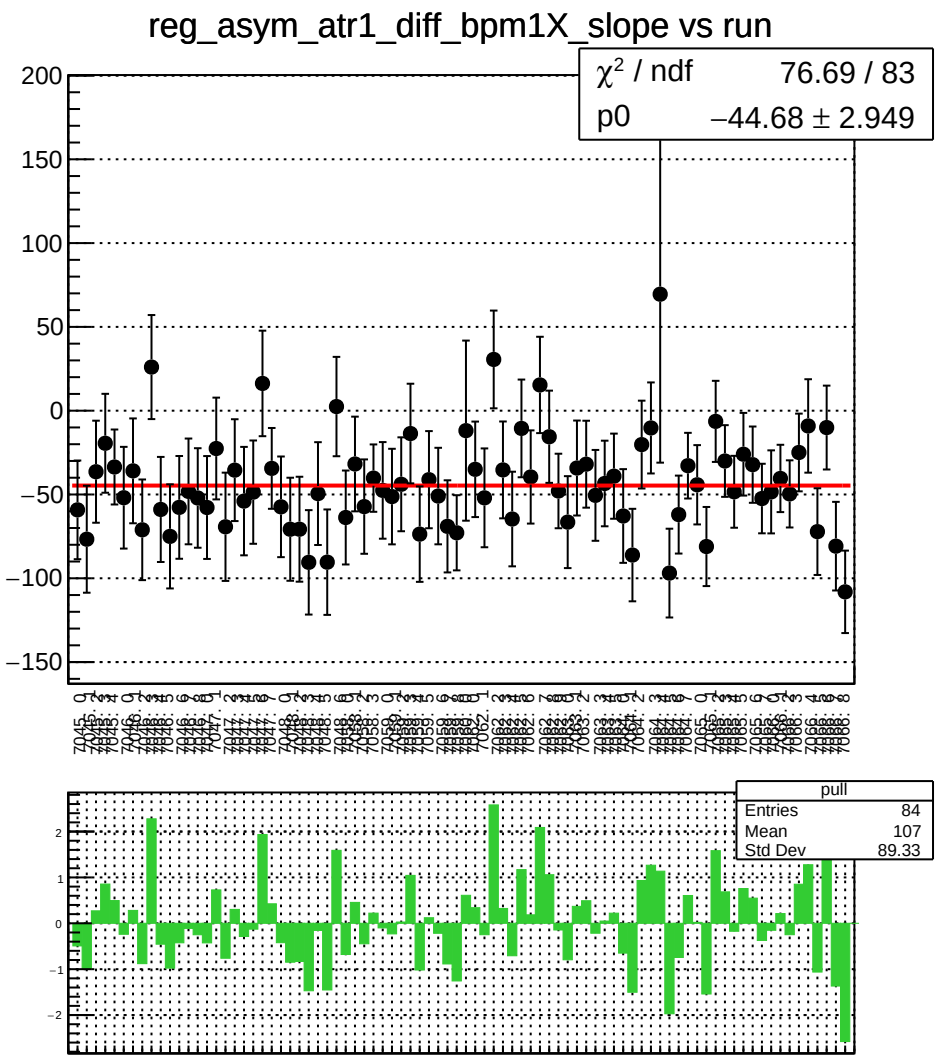

pull1D
Entries 84
Mean −0.007876
Std Dev 0.3277
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

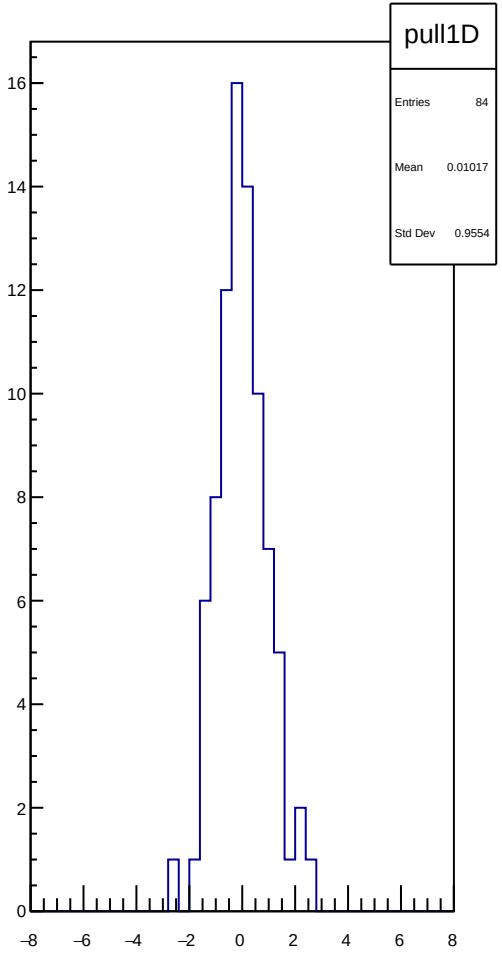

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 25.25 / 83
p0 428.2 ± 12.1
800
700
600
500
400
300
200
pull
Entries 84
Mean 2924
Std Dev 2880
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.003394
Std Dev 0.5483
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

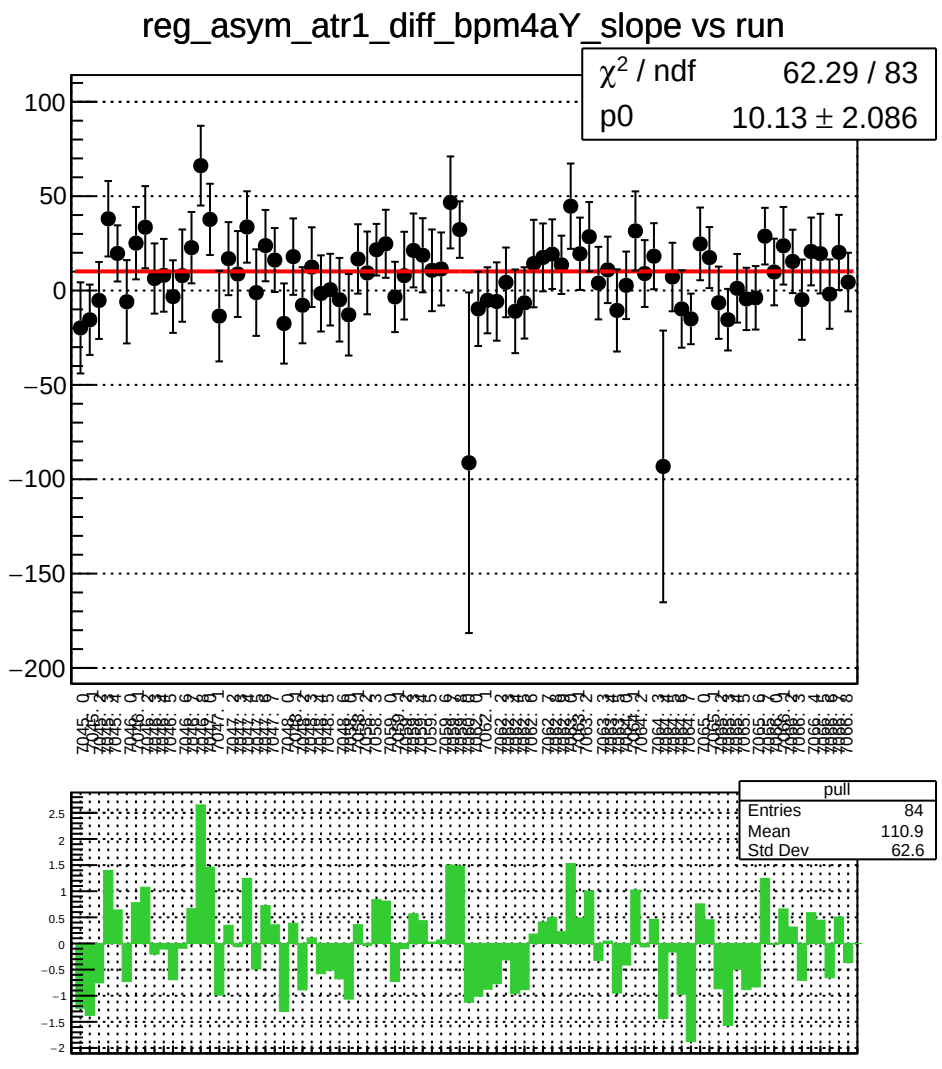

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 10.35 / 83
p0 184.8 ± 9.426
pull
Entries 84
Mean 349.7
Std Dev 301.7

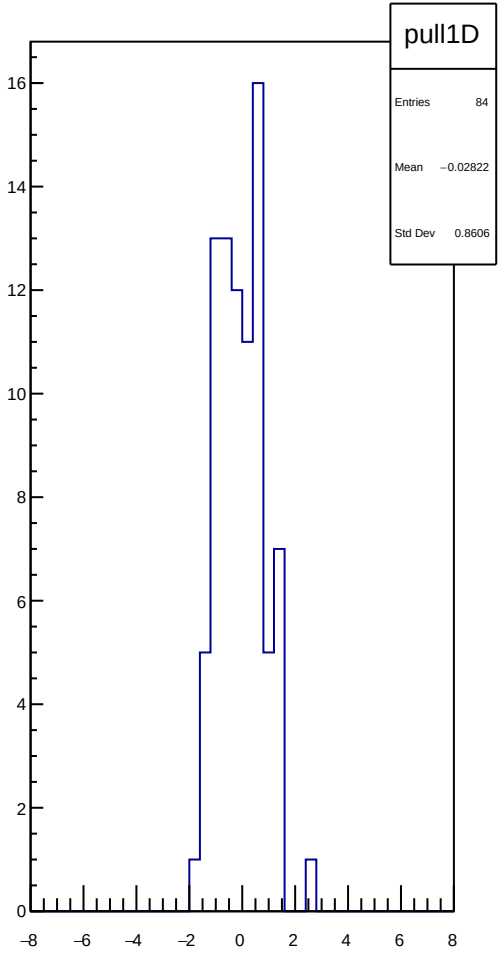

pull1D
Entries 84
Mean 0.01427
Std Dev 0.3507

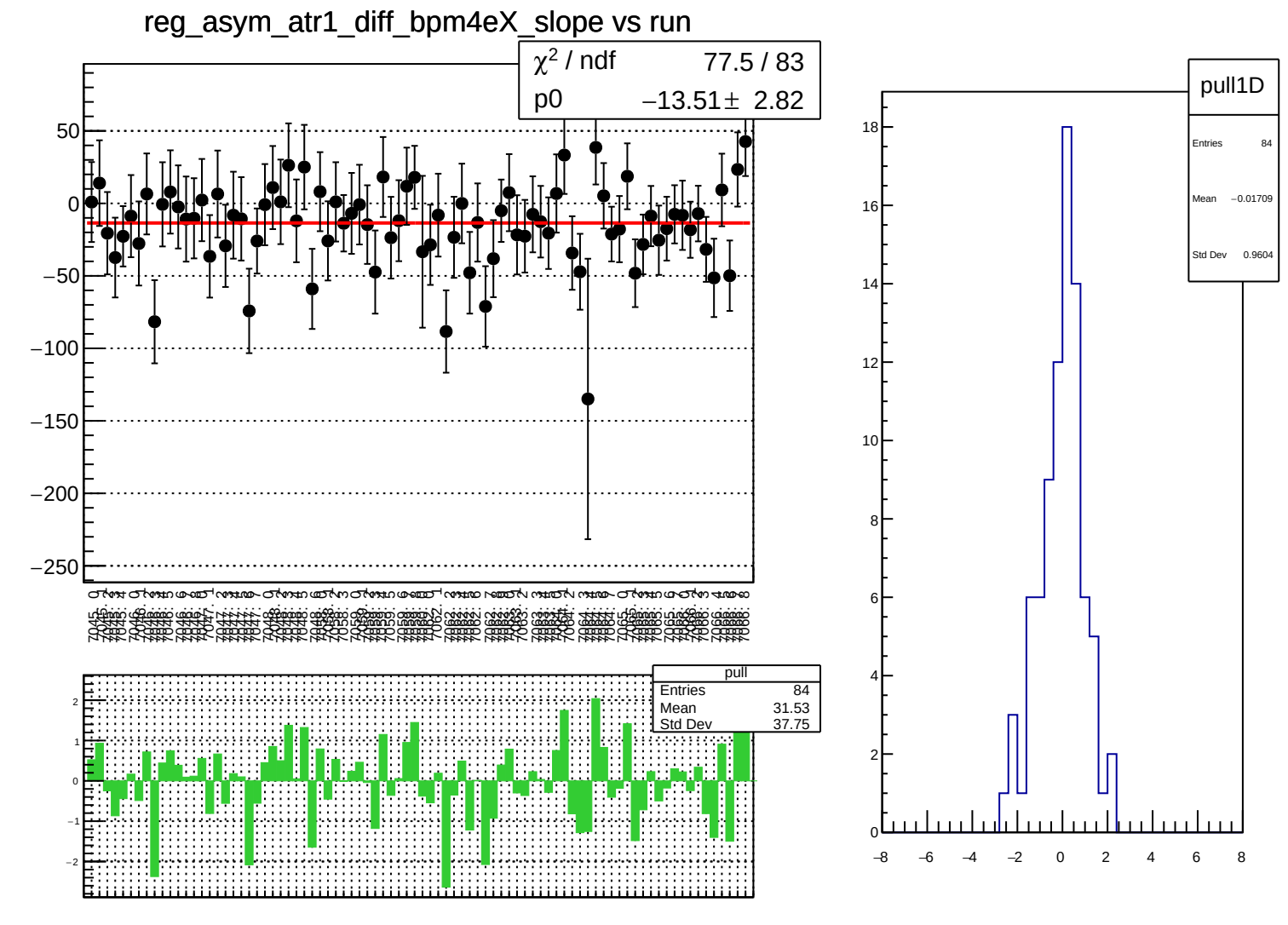

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 32.68 / 83
p0 −289 ± 0.4485
−275
−280
−285
−290
−295
−300
pull
Entries 84
Mean 319.1
Std Dev 277.7
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean 0.03817
Std Dev 0.6225
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

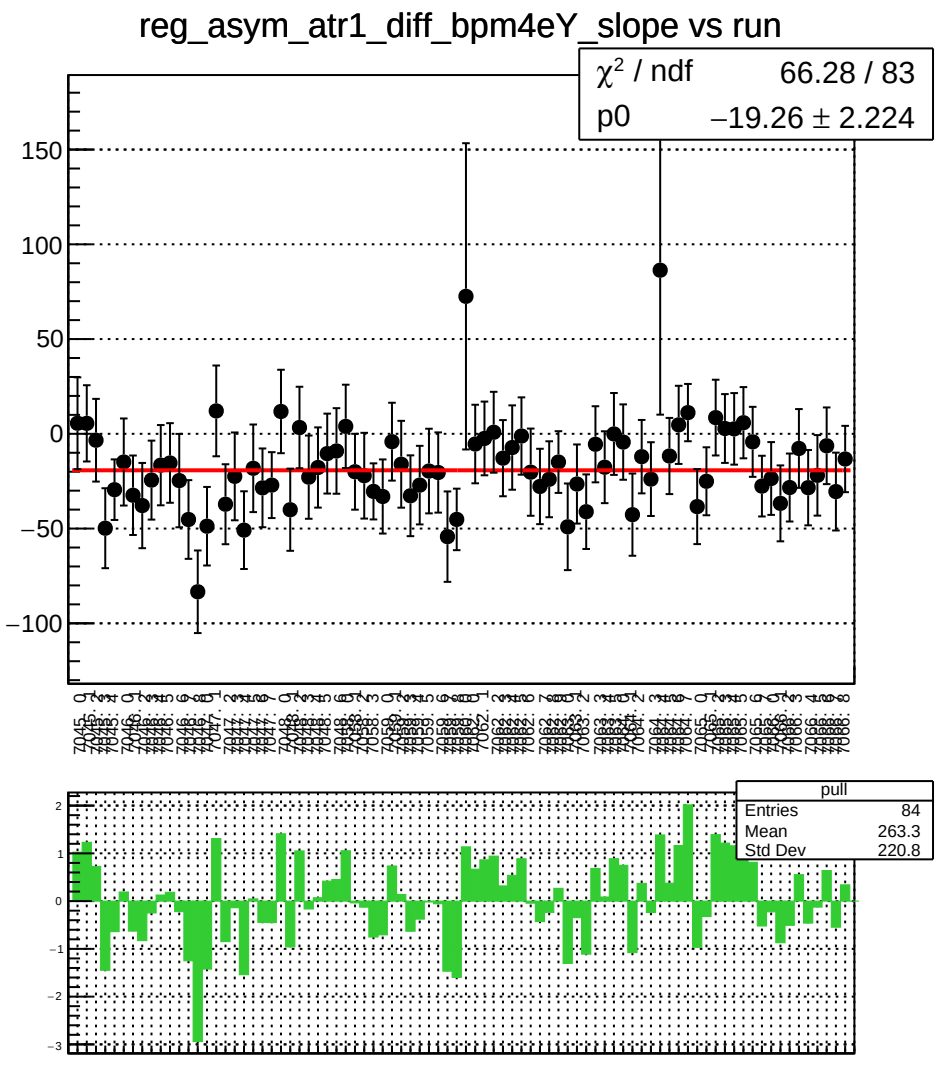

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 76.69 / 83
p0 −44.68 ± 2.949
pull
Entries 84
Mean 107
Std Dev 89.33

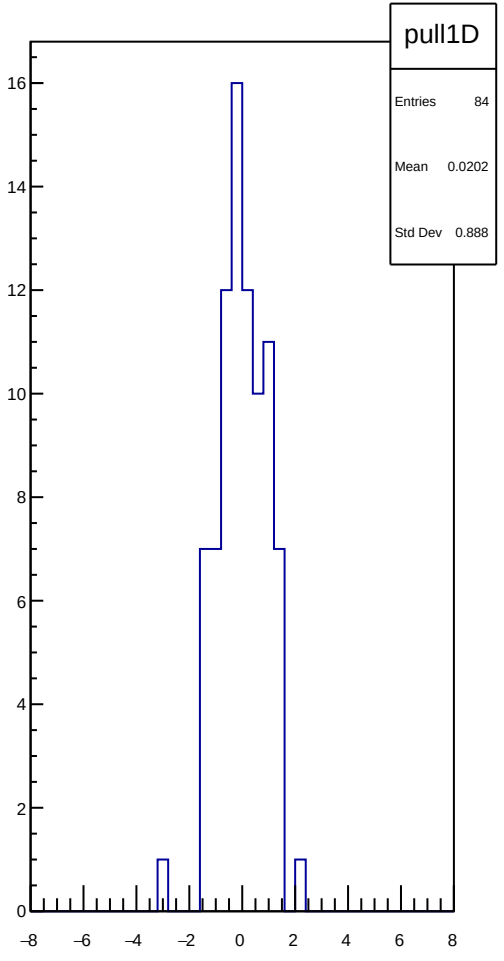

pull1D
Entries 84
Mean 0.01017
Std Dev 0.9554

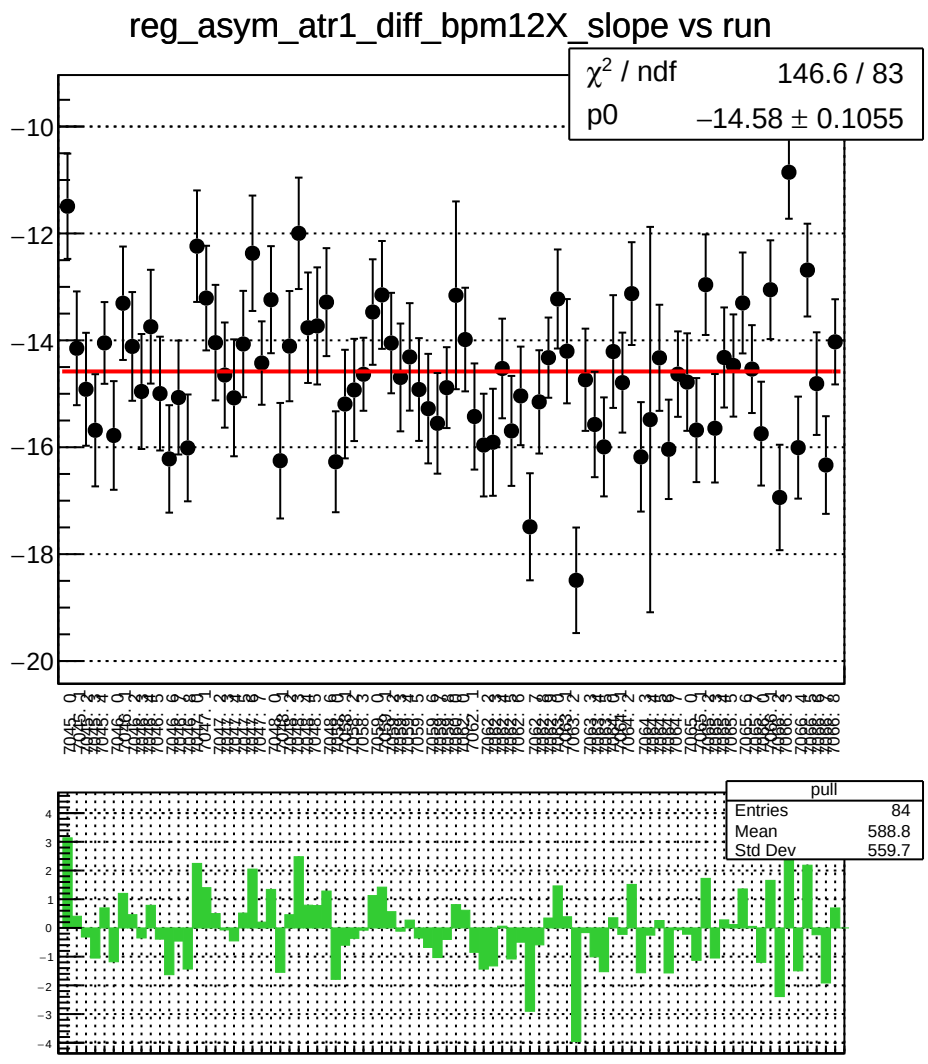

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 62.29 / 83
p0 10.13 ± 2.086
pull
Entries 84
Mean 110.9
Std Dev 62.6

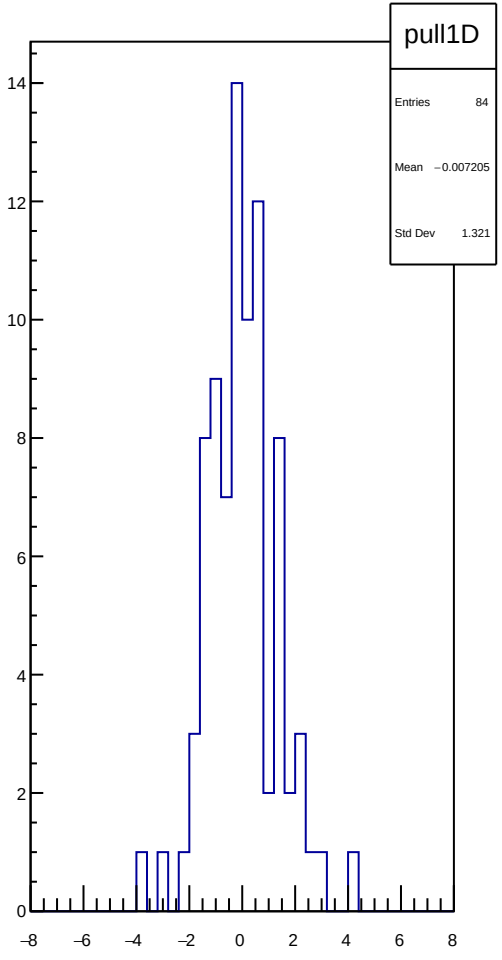

pull1D
Entries 84
Mean −0.02822
Std Dev 0.8606

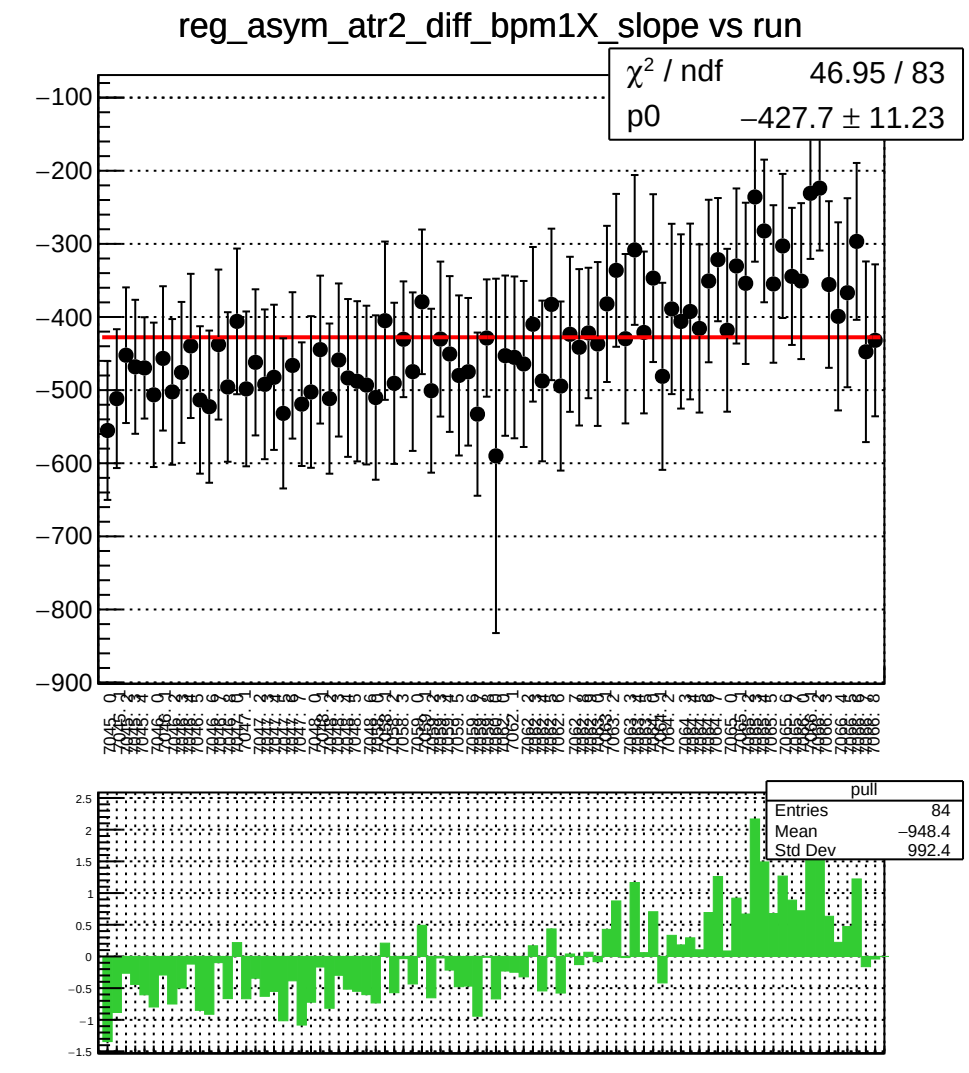

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 77.5 / 83
p0 −13.51± 2.82
pull
Entries 84
Mean 31.53
Std Dev 37.75
pull1D
Entries 84
Mean −0.01709
Std Dev 0.9604

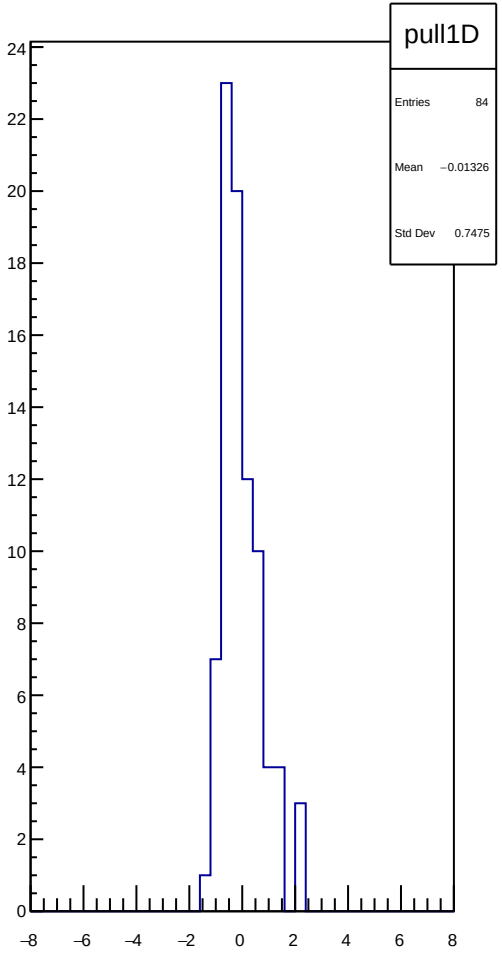

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 66.28 / 83
p0 −19.26 ± 2.224
150
100
50
0
−50
−100
pull
Entries 84
Mean 263.3
Std Dev 220.8
2
1
0
−1
−2
−3

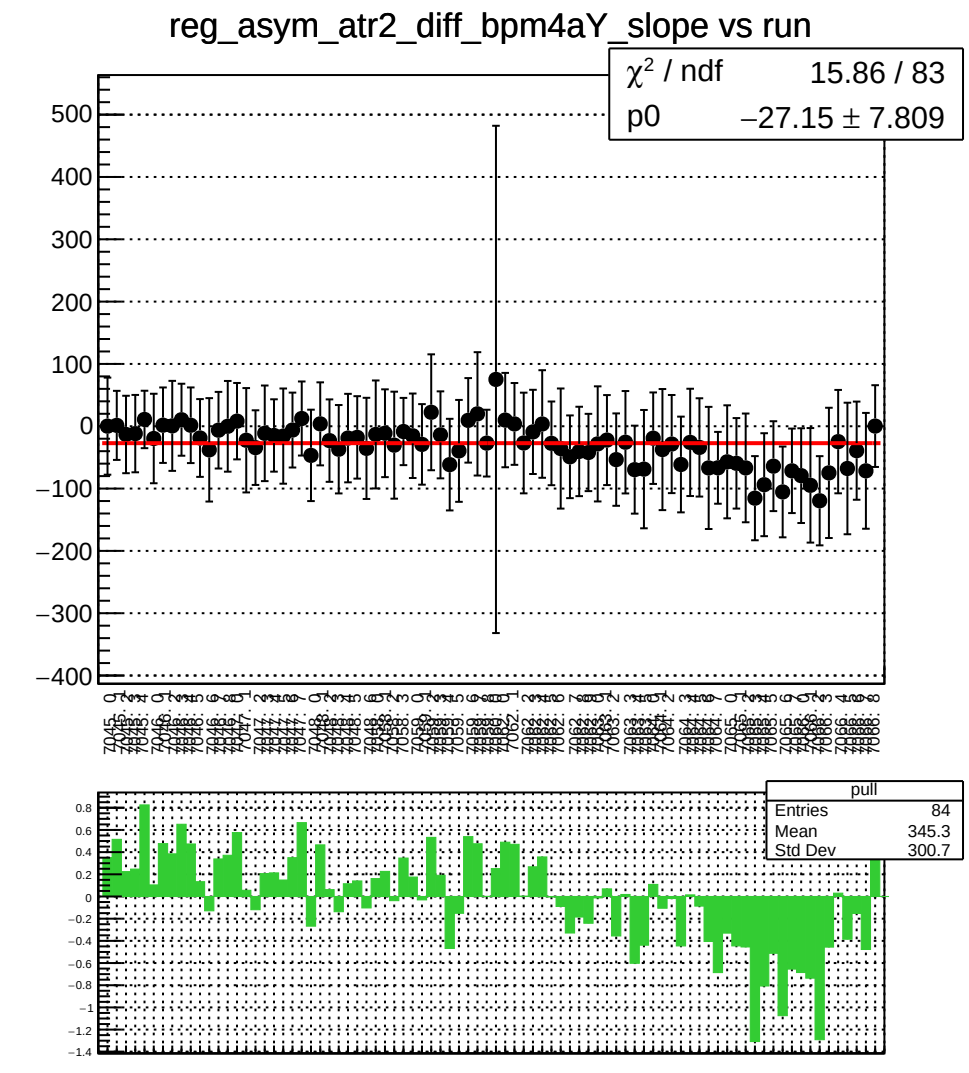

pull1D
Entries 84
Mean 0.0202
Std Dev 0.888
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

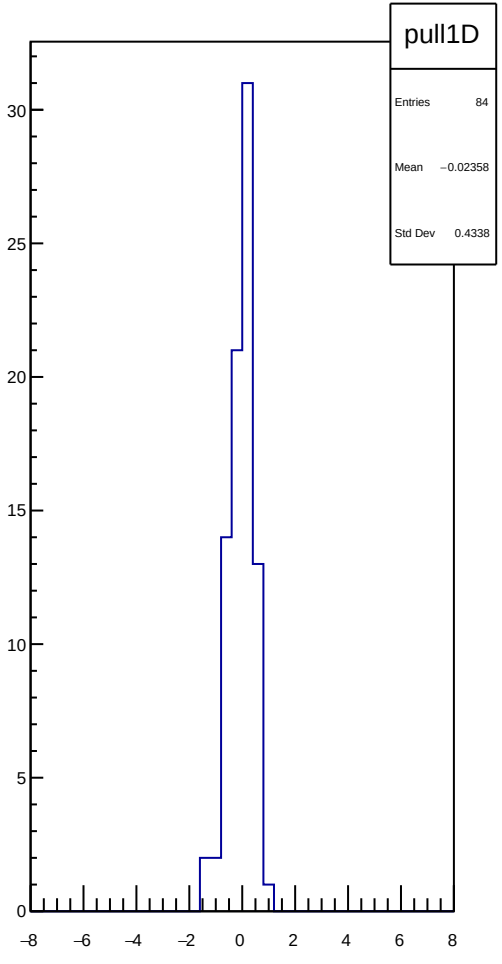

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 146.6 / 83
p0 −14.58 ± 0.1055
pull
Entries 84
Mean 588.8
Std Dev 559.7

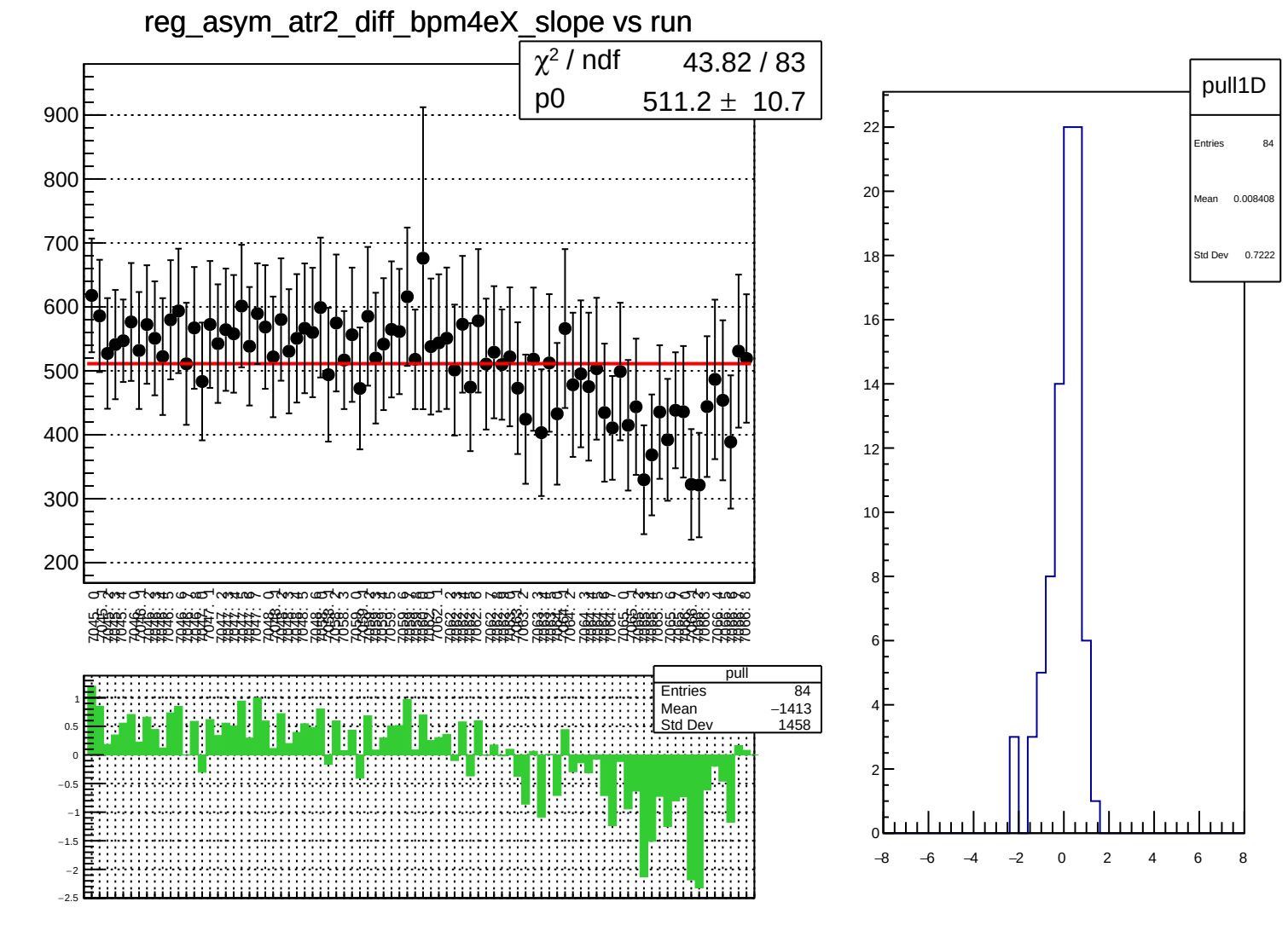

pull1D
Entries 84
Mean −0.007205
Std Dev 1.321

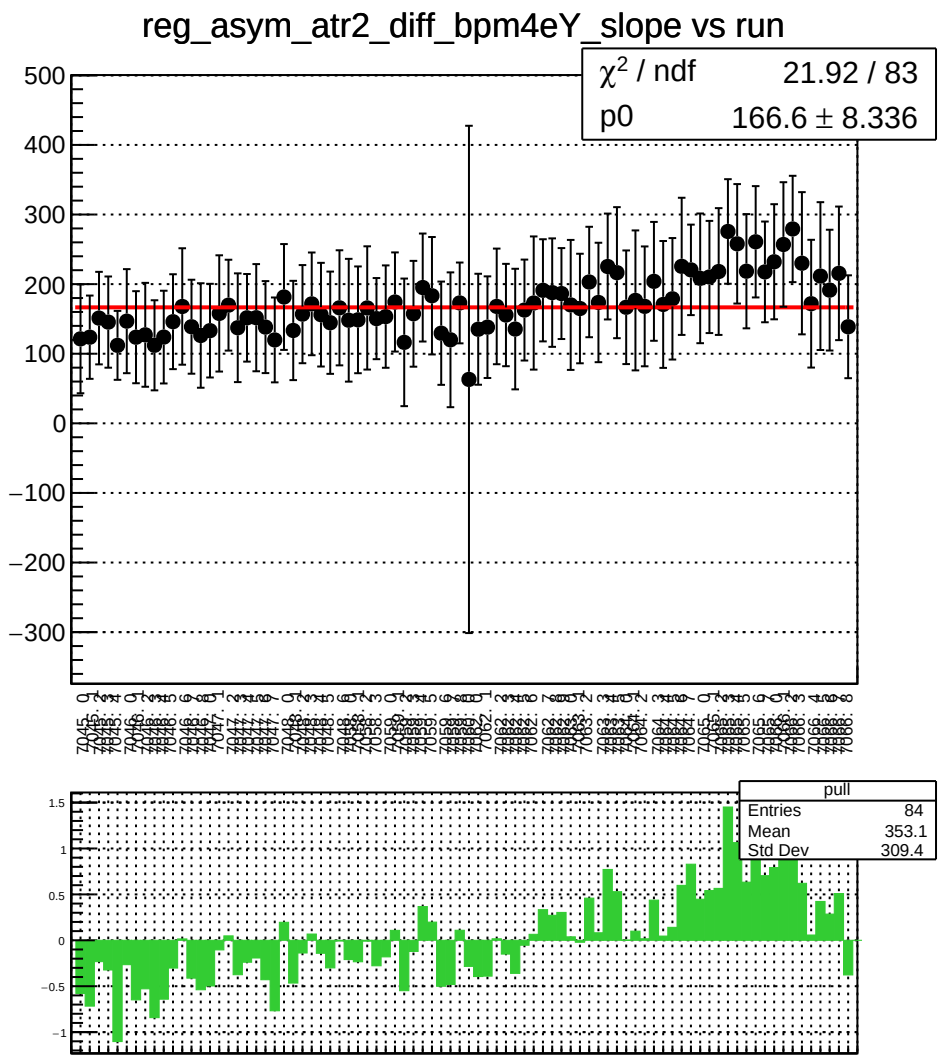

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 46.95 / 83
p0 −427.7 ± 11.23
pull
Entries 84
Mean −948.4
Std Dev 992.4

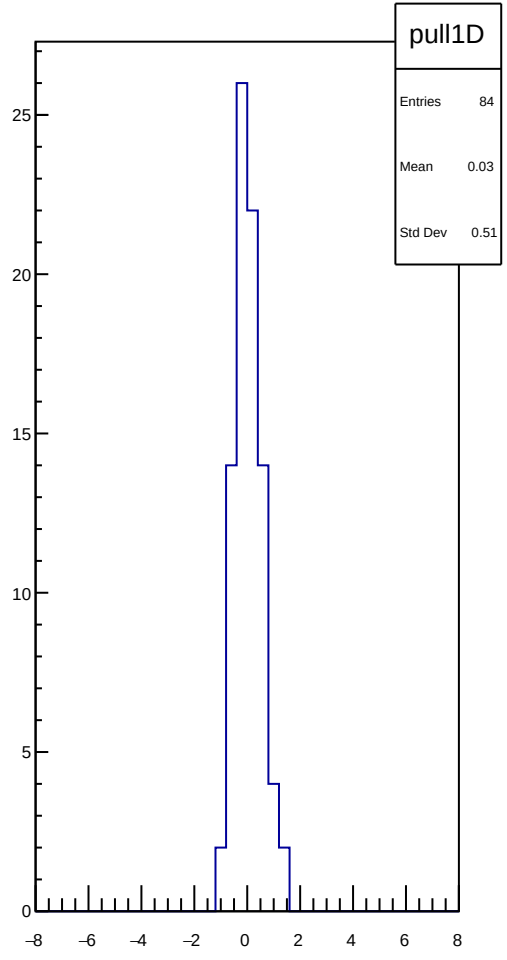

pull1D
Entries 84
Mean −0.01326
Std Dev 0.7475

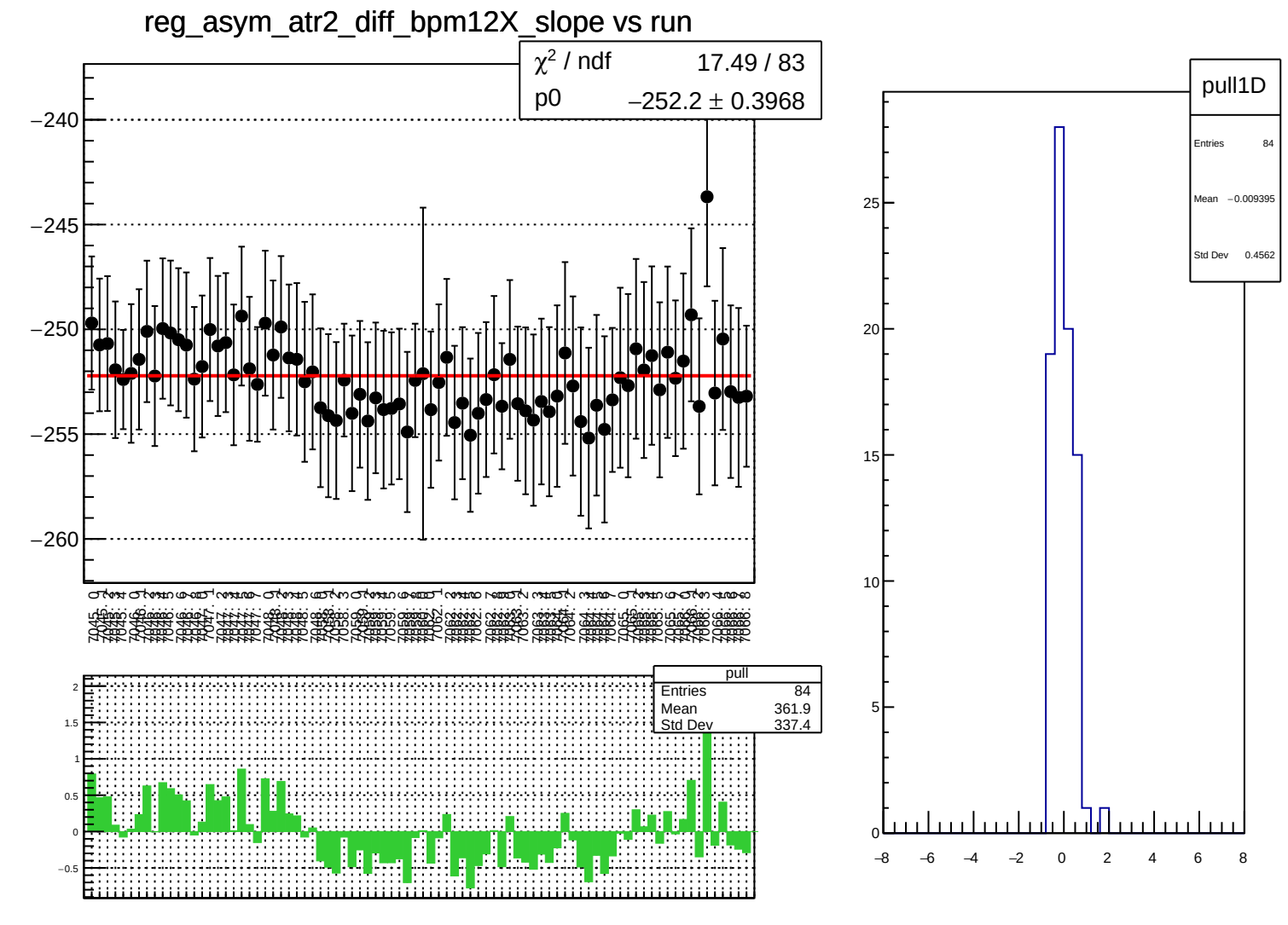

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 83
p0 −27.15 ± 7.809
pull
Entries 84
Mean 345.3
Std Dev 300.7

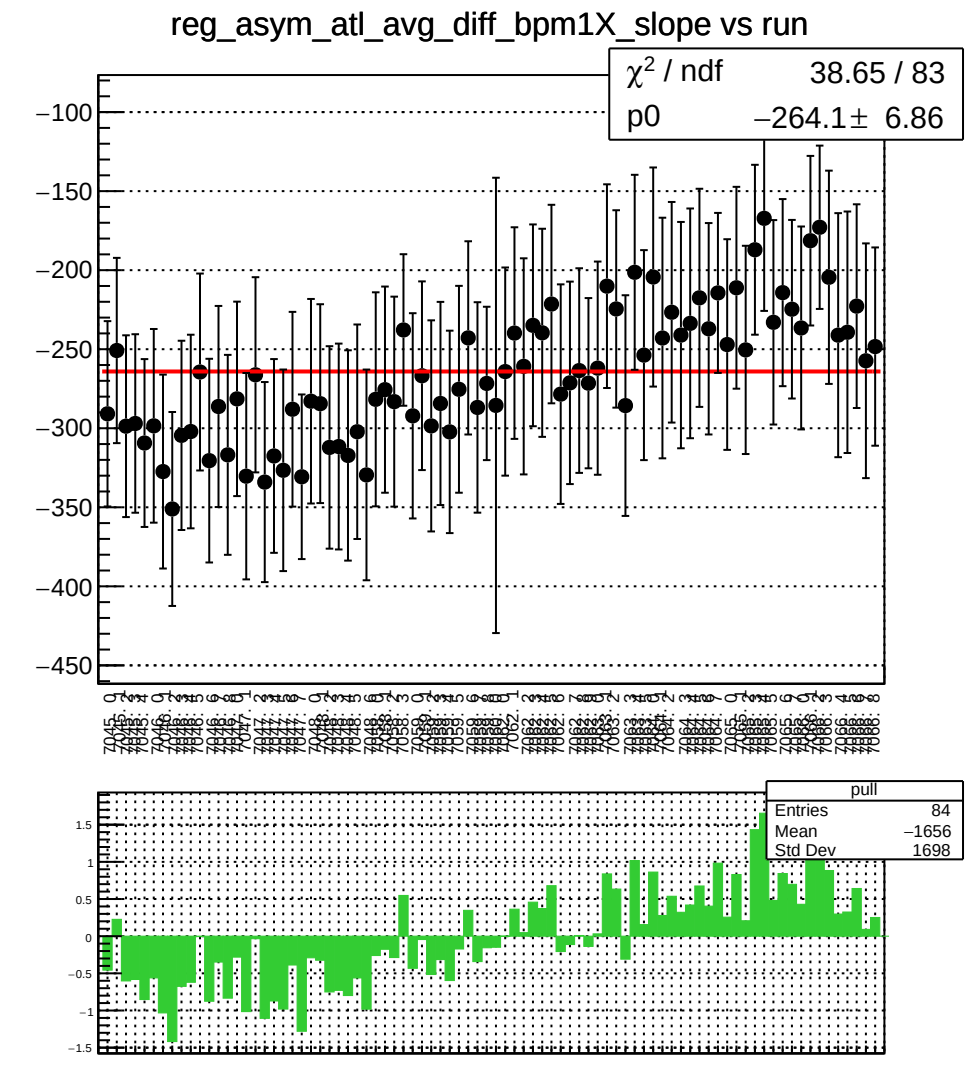

pull1D
Entries 84
Mean −0.02358
Std Dev 0.4338

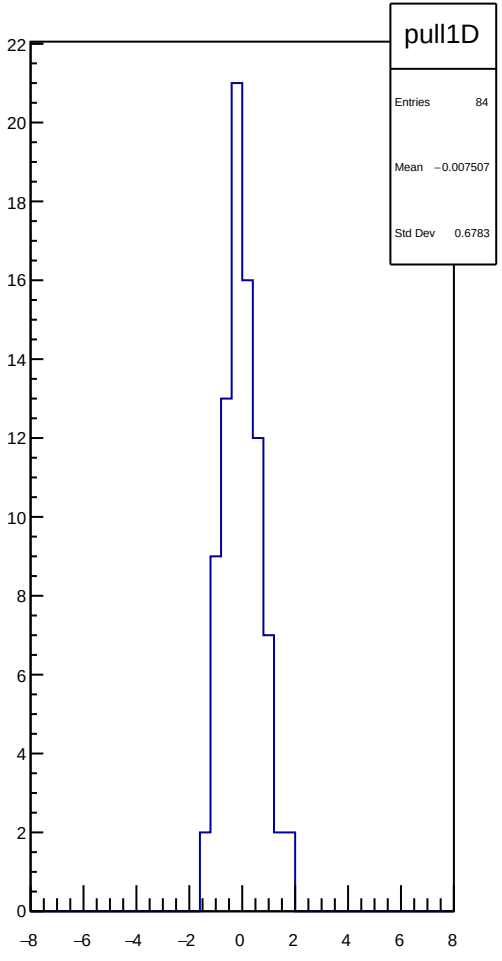

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 43.82 / 83
p0 511.2 ± 10.7
900
800
700
600
500
400
300
200
pull
Entries 84
Mean −1413
Std Dev 1458
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 84
Mean 0.008408
Std Dev 0.7222
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

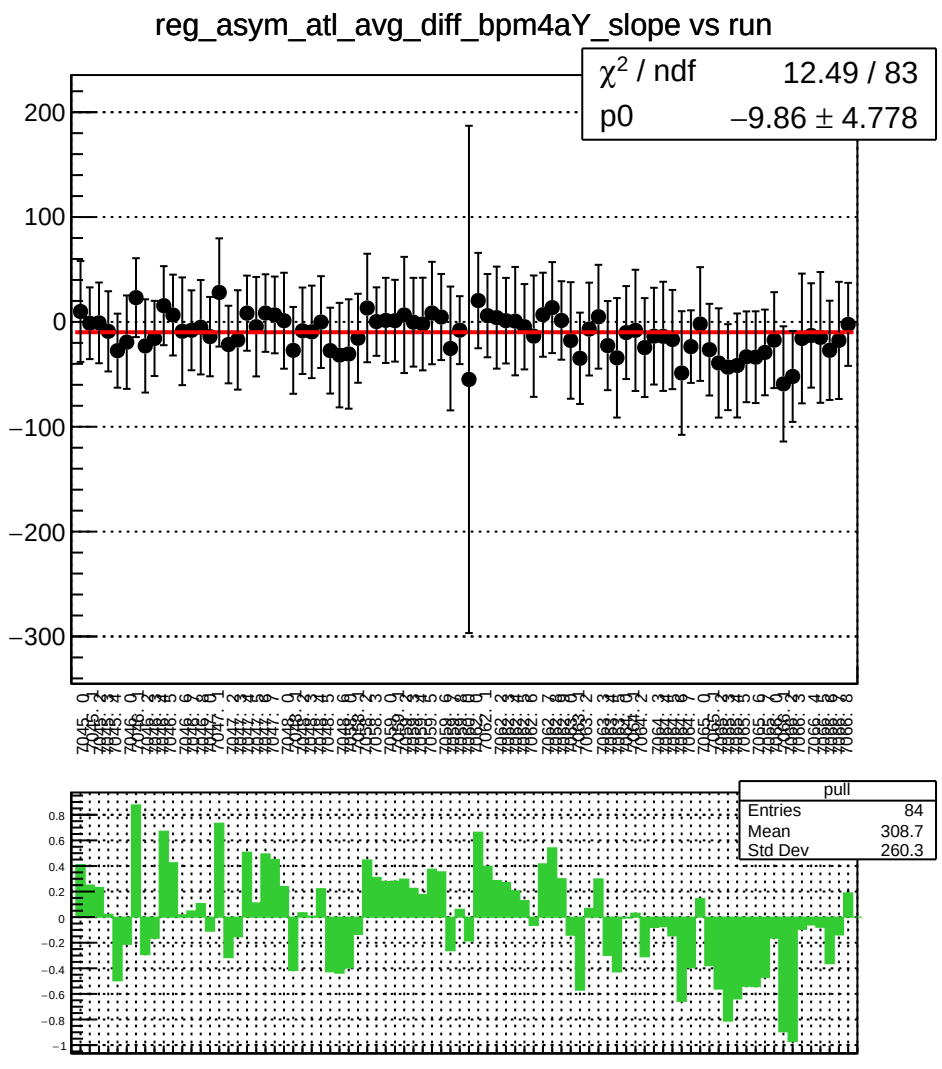

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 21.92 / 83
p0 166.6 ± 8.336
pull
Entries 84
Mean 353.1
Std Dev 309.4

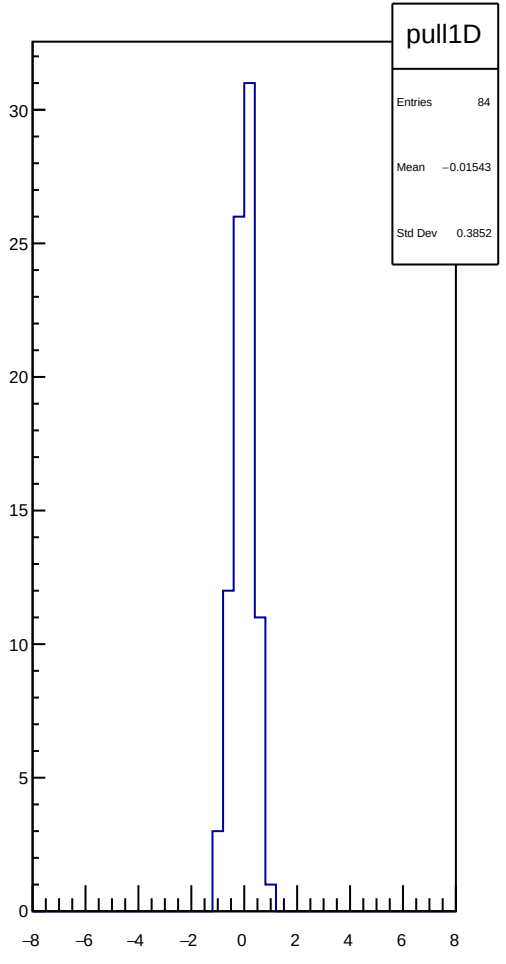

pull1D
Entries 84
Mean 0.03
Std Dev 0.51

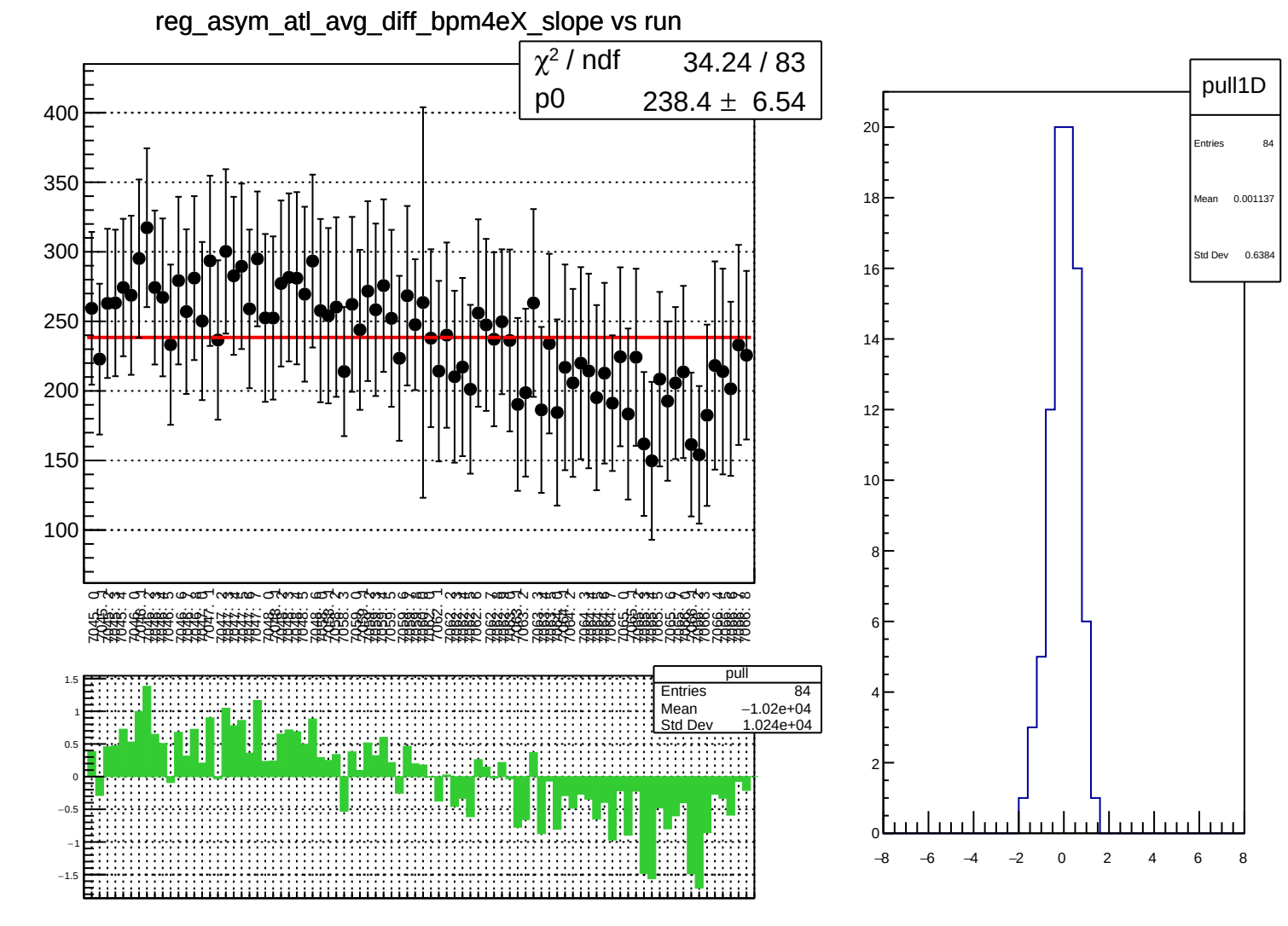

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 17.49 / 83
p0 −252.2 ± 0.3968
−240
−245
−250
−255
−260
pull
Entries 84
Mean 361.9
Std Dev 337.4
2
1.5
1
0.5
0
−0.5
pull1D
Entries 84
Mean −0.009395
Std Dev 0.4562
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

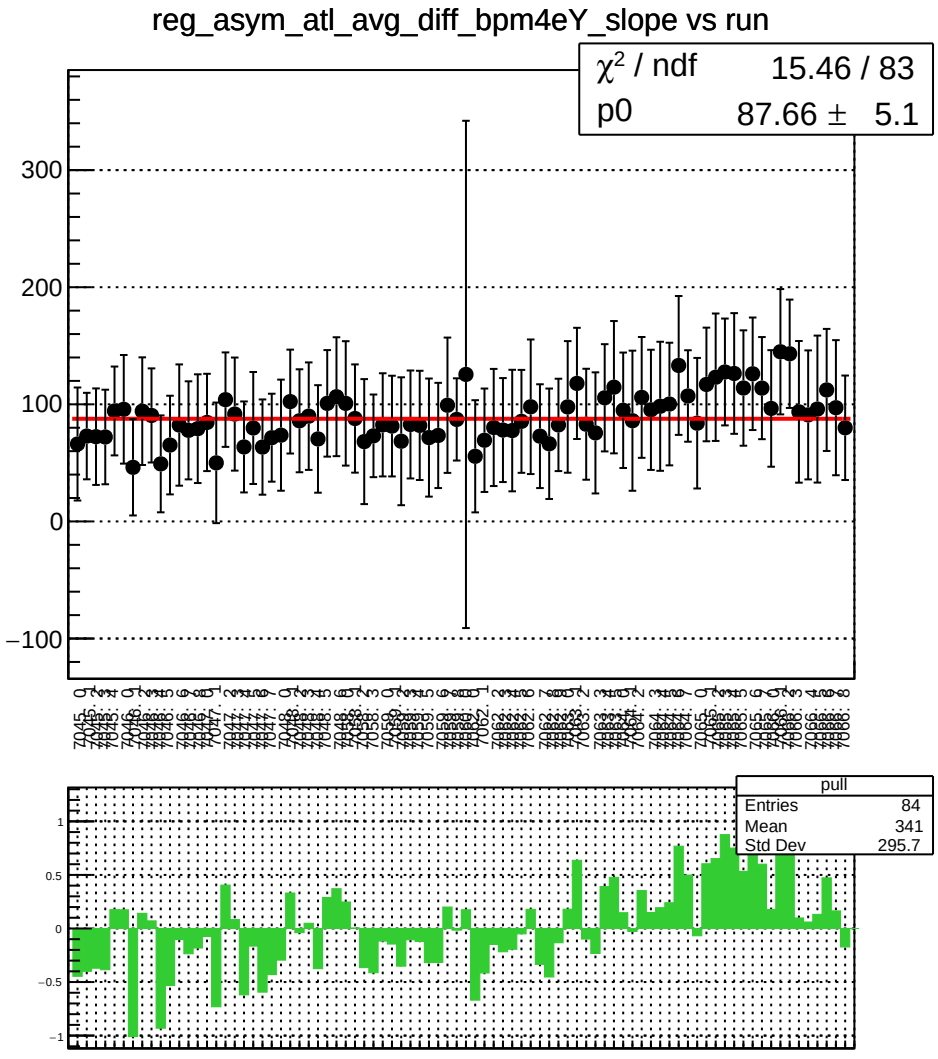

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 38.65 / 83
p0 −264.1 ± 6.86
pull
Entries 84
Mean −1656
Std Dev 1698

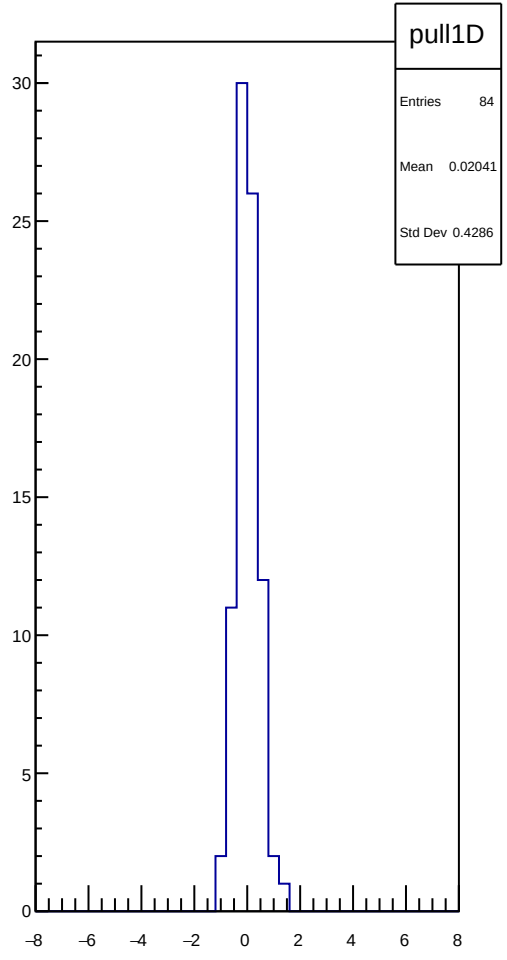

pull1D
Entries 84
Mean −0.007507
Std Dev 0.6783

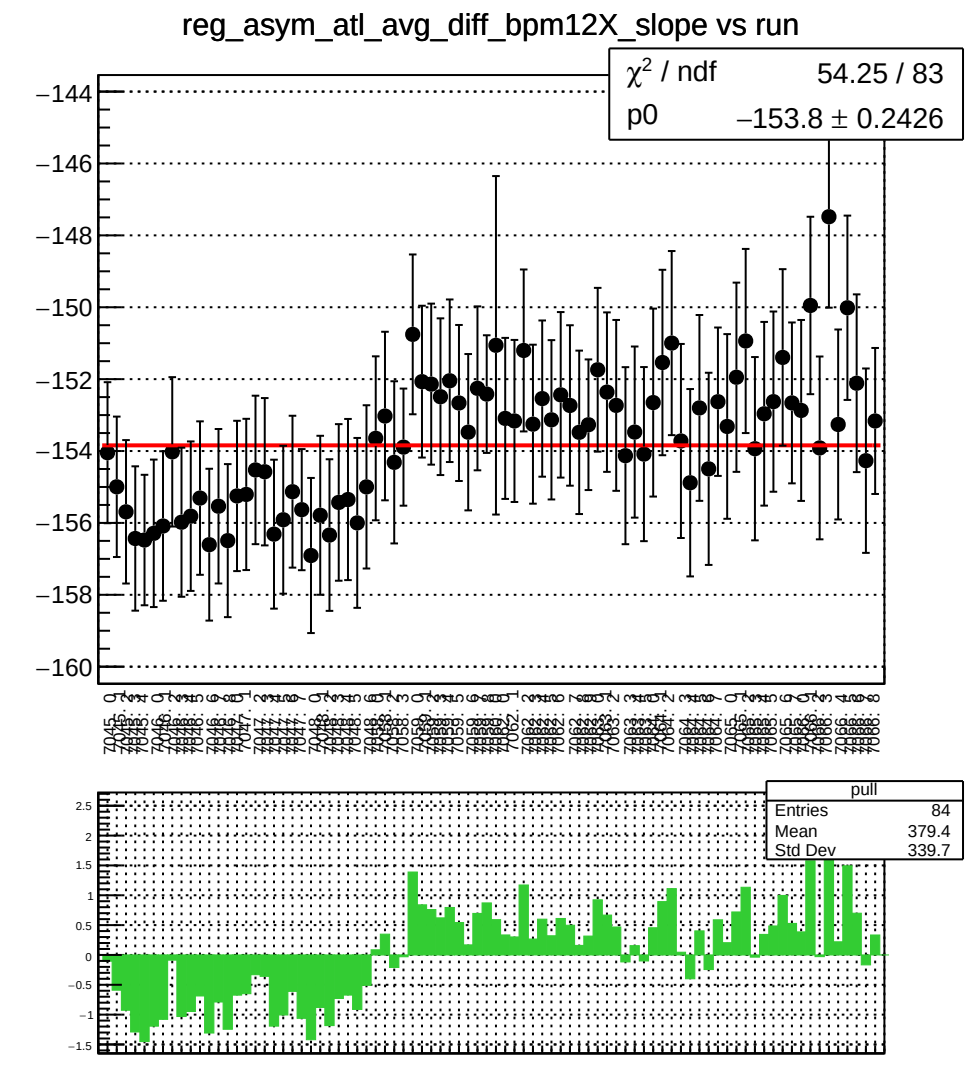

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.49 / 83
p0 −9.86 ± 4.778
200
100
0
−100
−200
−300
pull
Entries 84
Mean 308.7
Std Dev 260.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

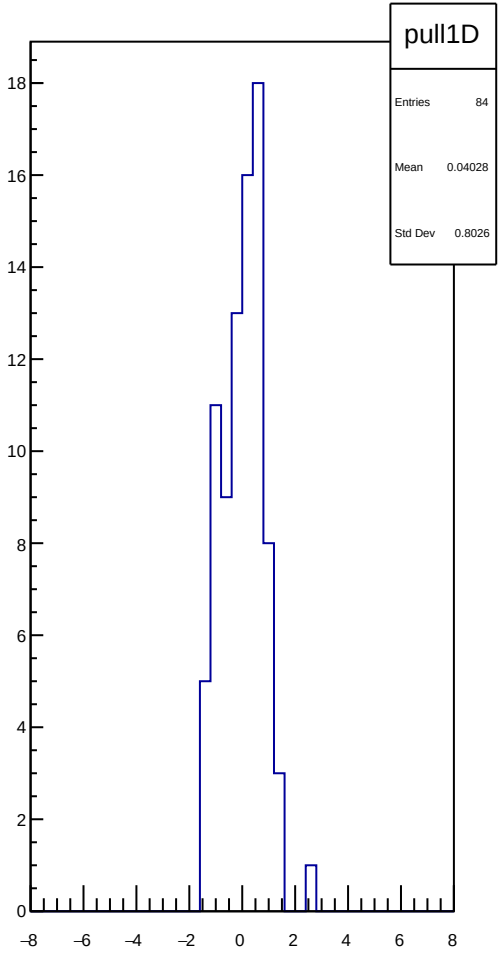

pull1D
Entries 84
Mean −0.01543
Std Dev 0.3852
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

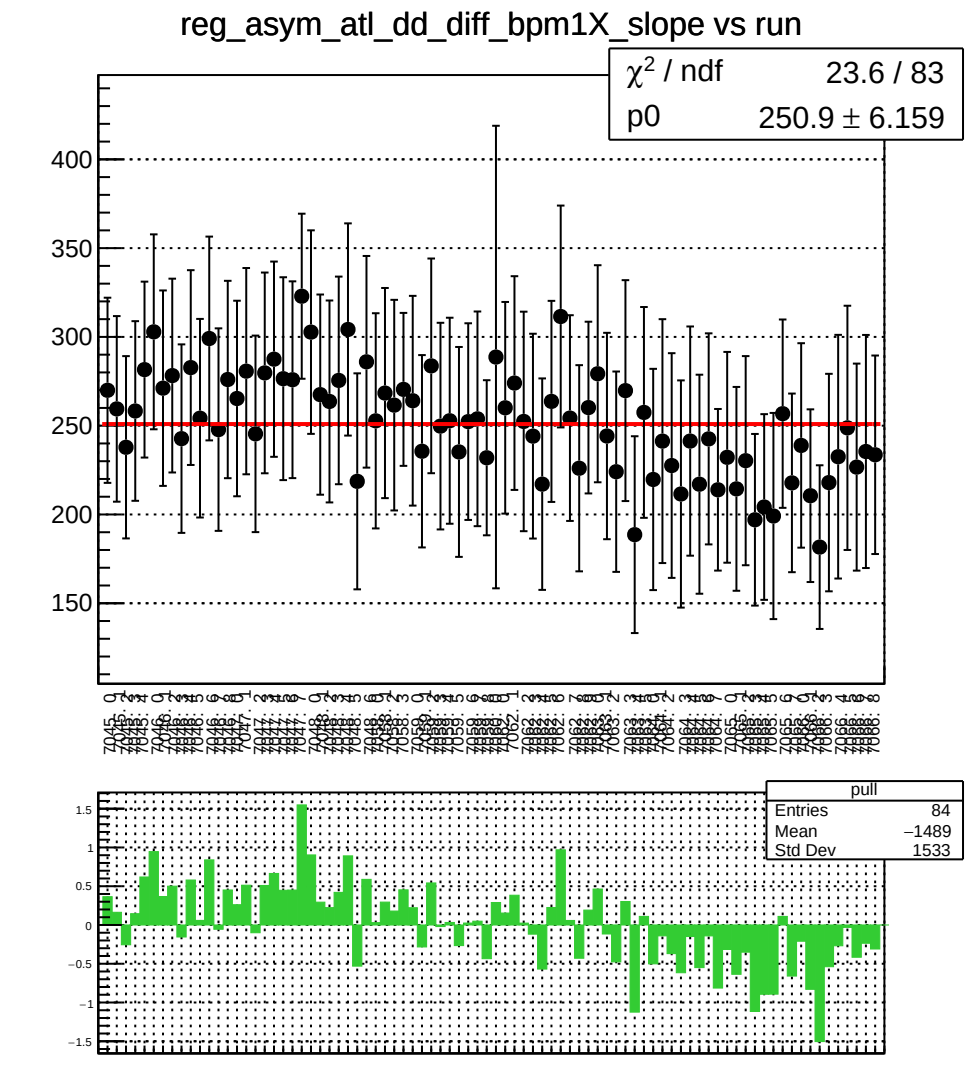

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.24 / 83
p0 238.4 ± 6.54
pull
Entries 84
Mean −1.02e+04
Std Dev 1.024e+04
pull1D
Entries 84
Mean 0.001137
Std Dev 0.6384

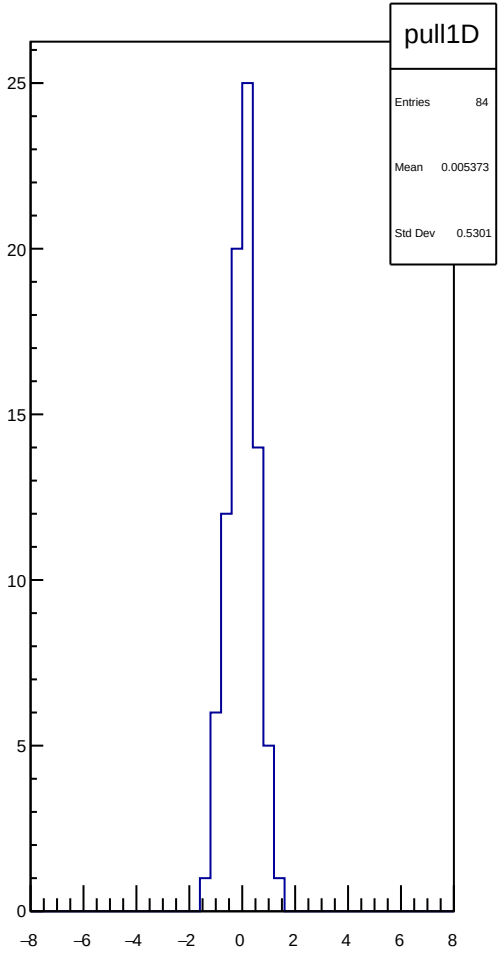

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.46 / 83
p0 87.66 ± 5.1
300
200
100
0
−100
pull
Entries 84
Mean 341
Std Dev 295.7
1
0.5
0
−0.5
−1

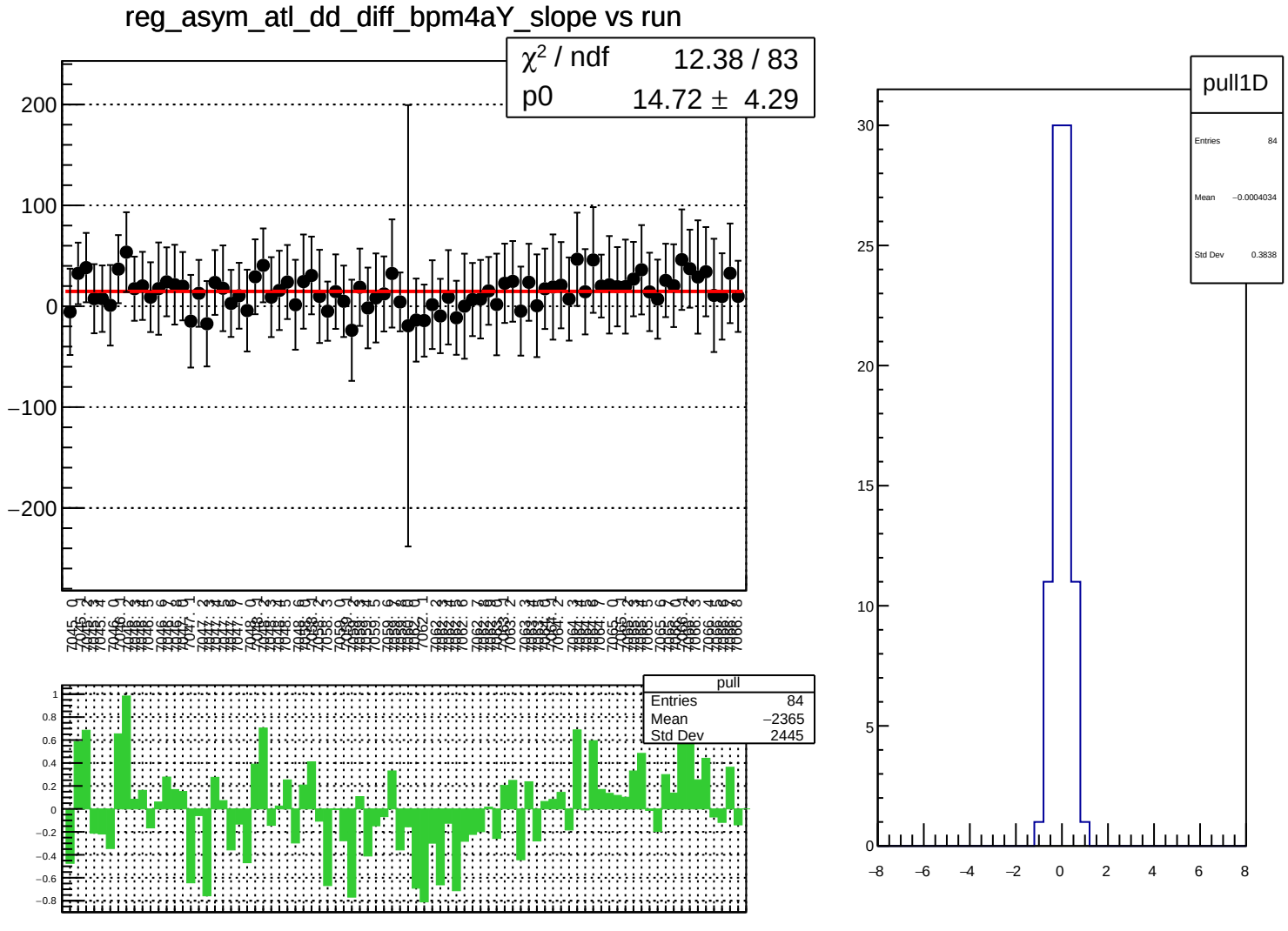

pull1D
Entries 84
Mean 0.02041
Std Dev 0.4286
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

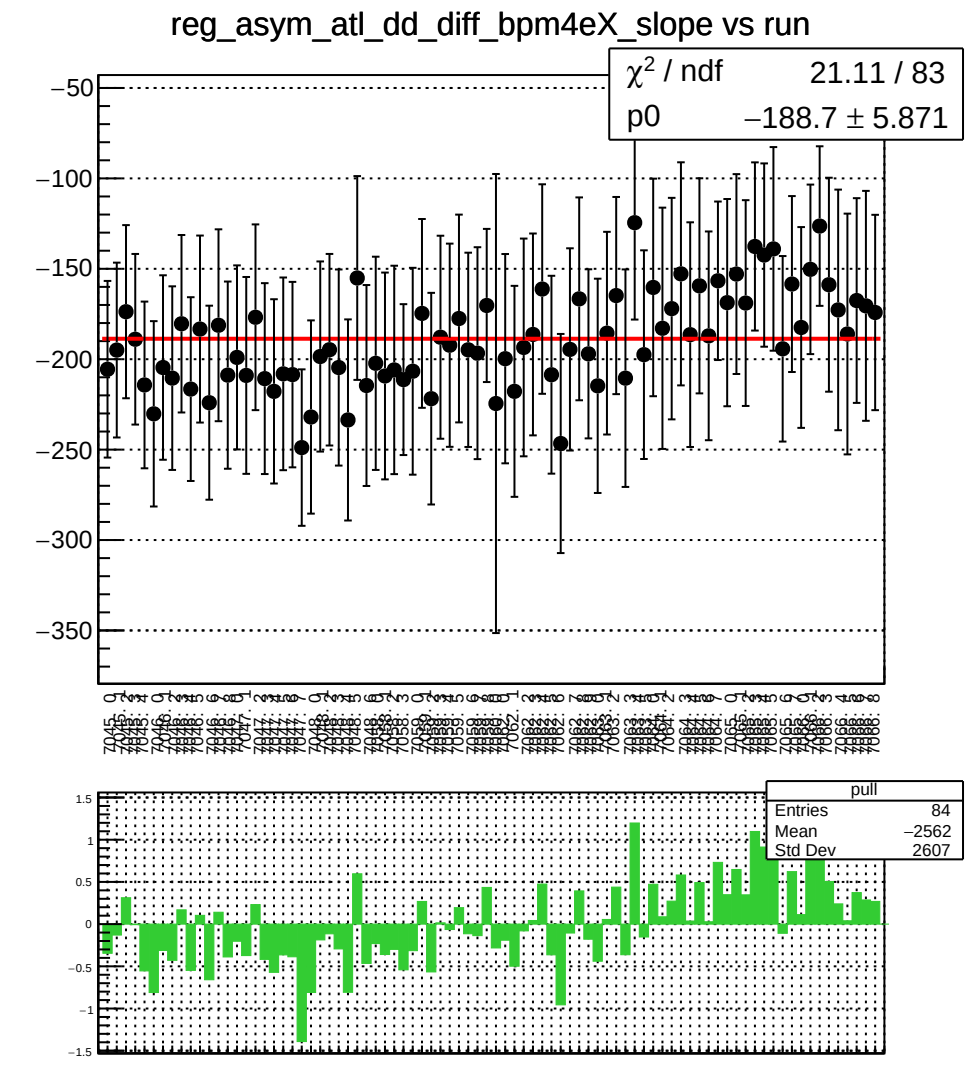

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 54.25 / 83
p0 −153.8 ± 0.2426
pull
Entries 84
Mean 379.4
Std Dev 339.7

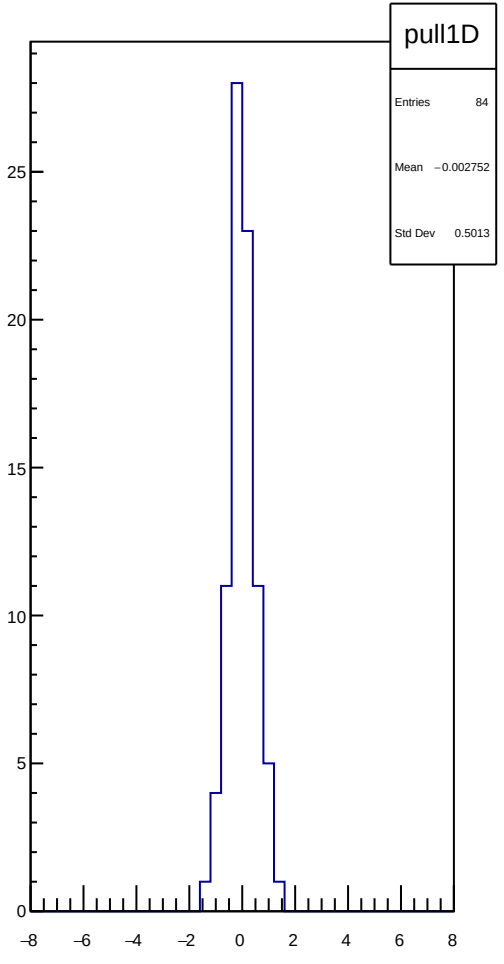

pull1D
Entries 84
Mean 0.04028
Std Dev 0.8026

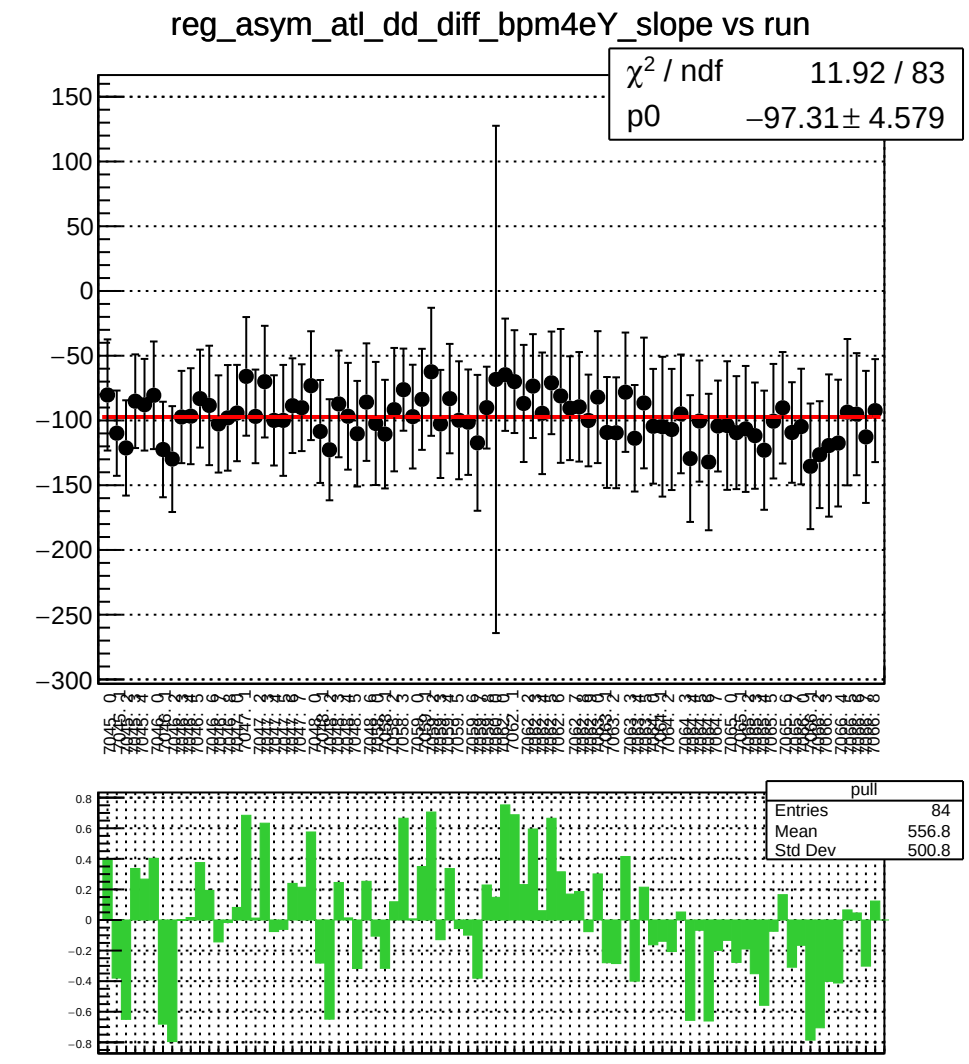

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 23.6 / 83
p0 250.9 ± 6.159
400
350
300
250
200
150
pull
Entries 84
Mean −1489
Std Dev 1533
1.5
1
0.5
0
−0.5
−1
−1.5

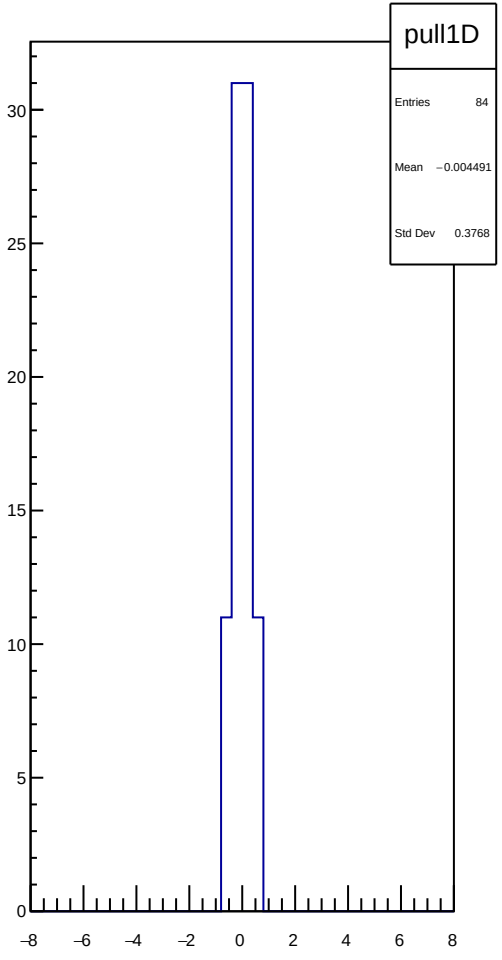

pull1D
Entries 84
Mean 0.005373
Std Dev 0.5301
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

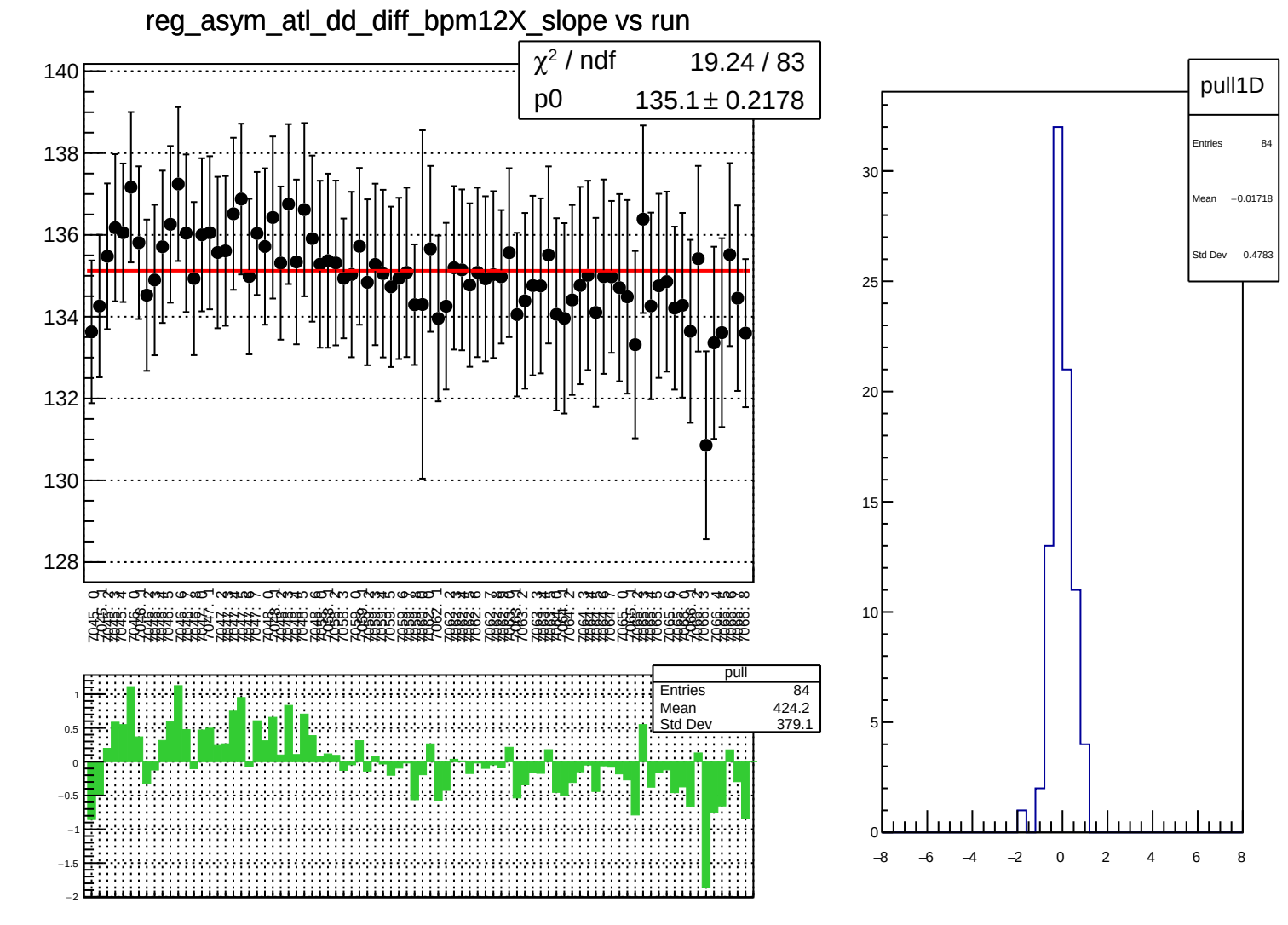

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.38 / 83
p0 14.72 ± 4.29
200
100
0
−100
−200
pull
Entries 84
Mean −2365
Std Dev 2445
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 84
Mean −0.0004034
Std Dev 0.3838
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

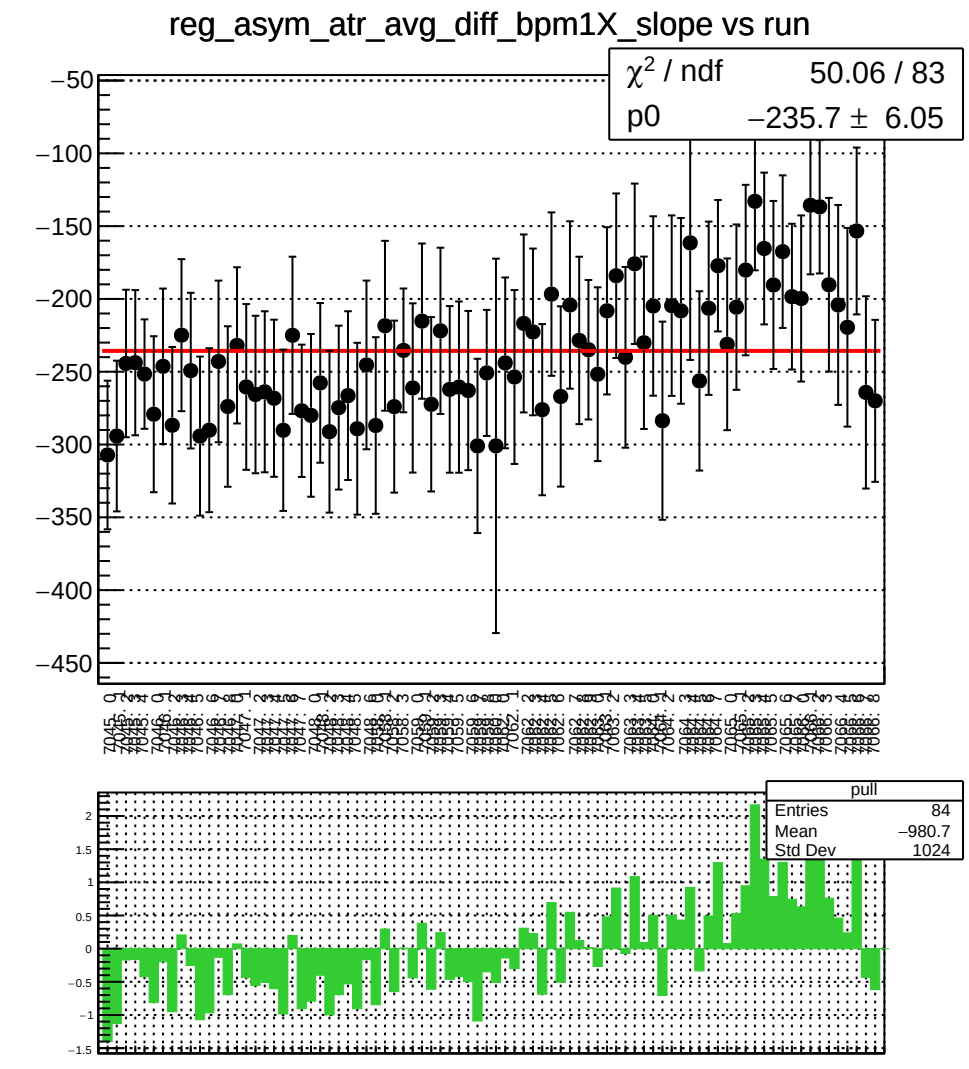

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.11 / 83
p0 −188.7 ± 5.871
pull
Entries 84
Mean −2562
Std Dev 2607

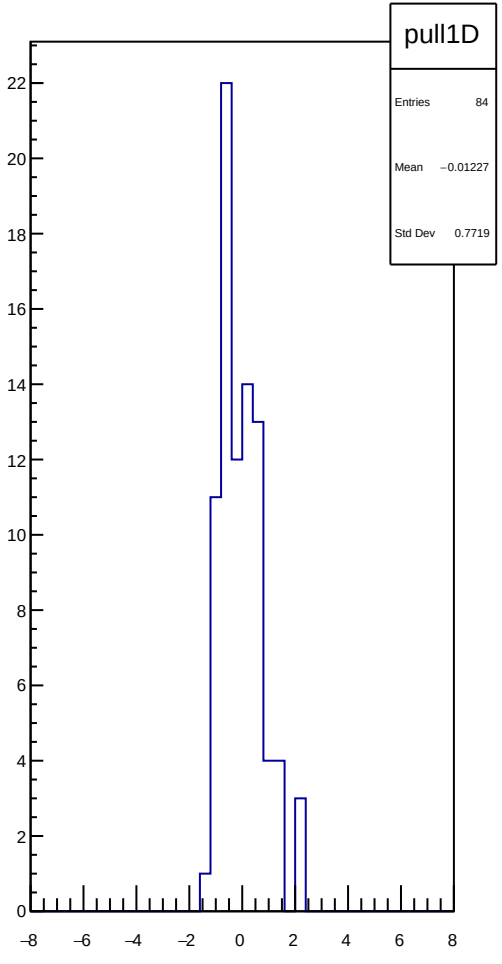

pull1D
Entries 84
Mean −0.002752
Std Dev 0.5013

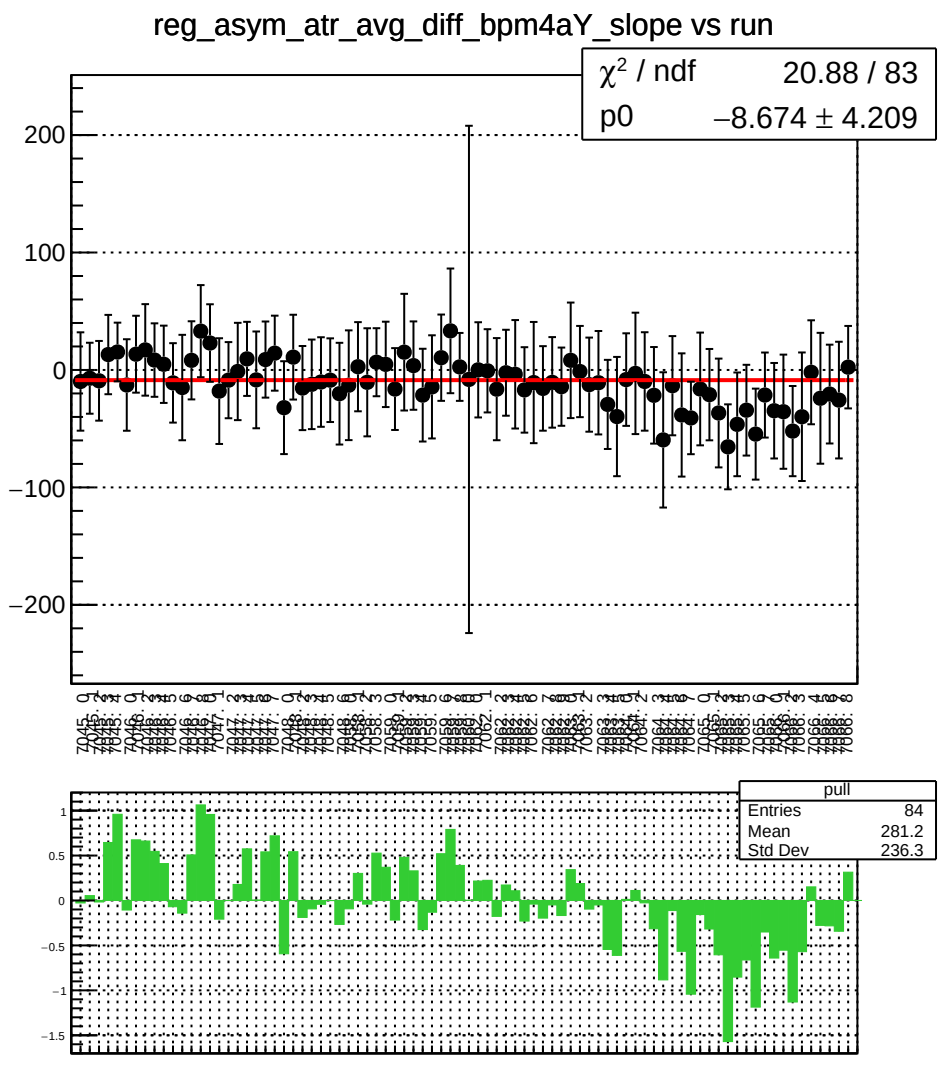

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.92 / 83
p0 −97.31 ± 4.579
pull
Entries 84
Mean 556.8
Std Dev 500.8

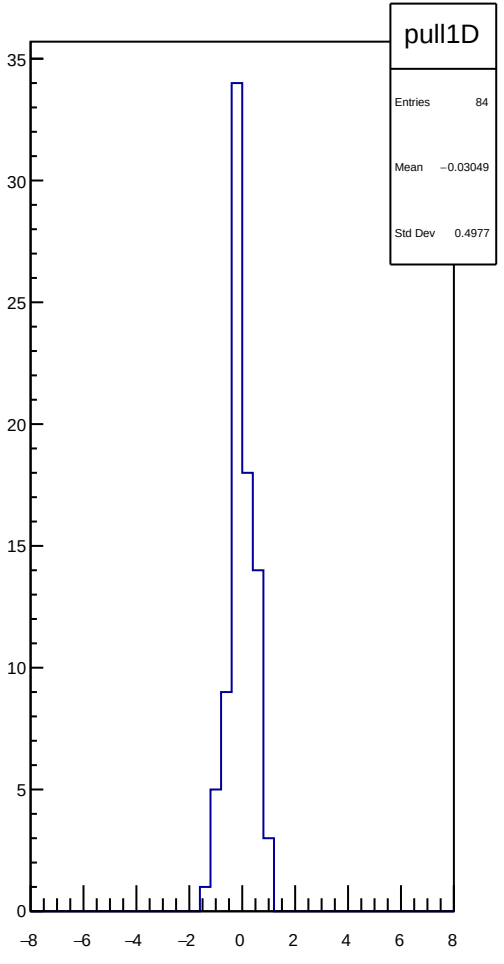

pull1D
Entries 84
Mean −0.004491
Std Dev 0.3768

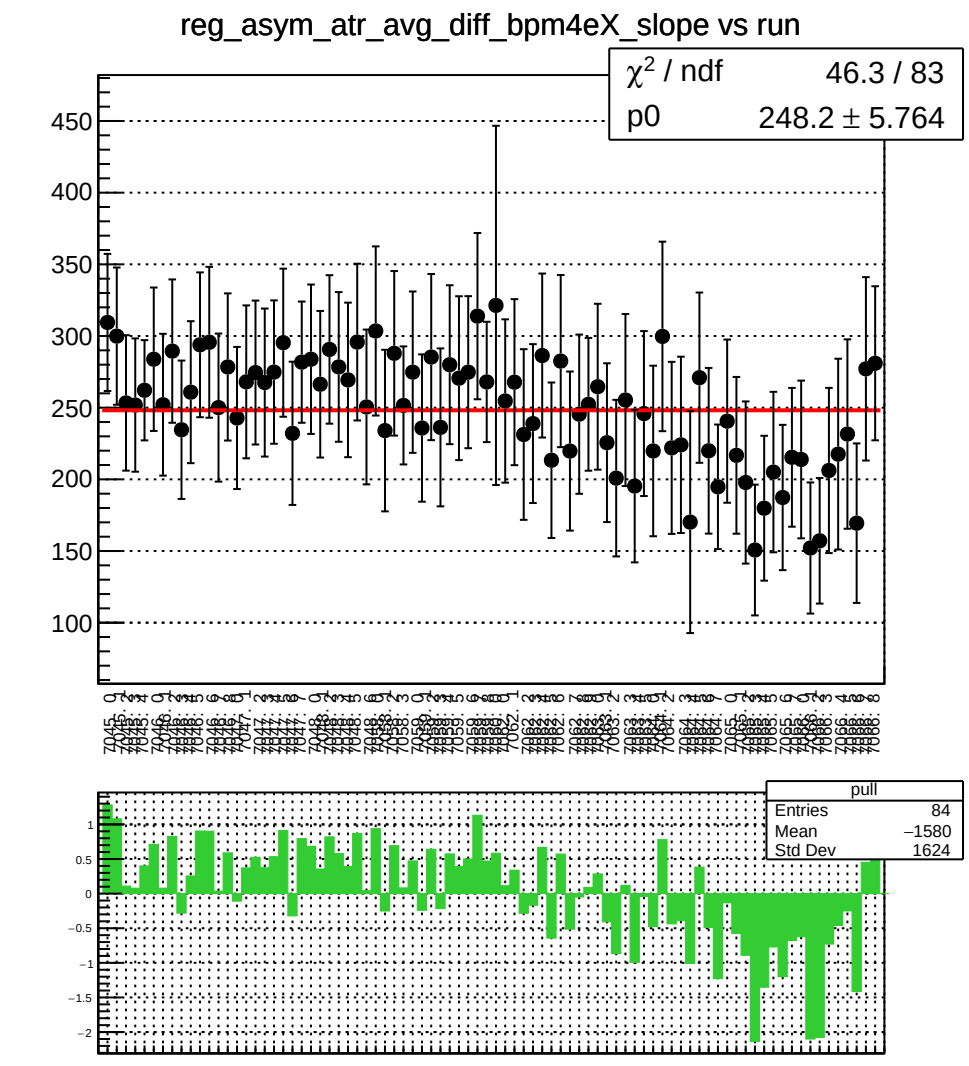

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 19.24 / 83
p0 135.1 ± 0.2178
140
138
136
134
132
130
128
pull
Entries 84
Mean 424.2
Std Dev 379.1
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.01718
Std Dev 0.4783
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

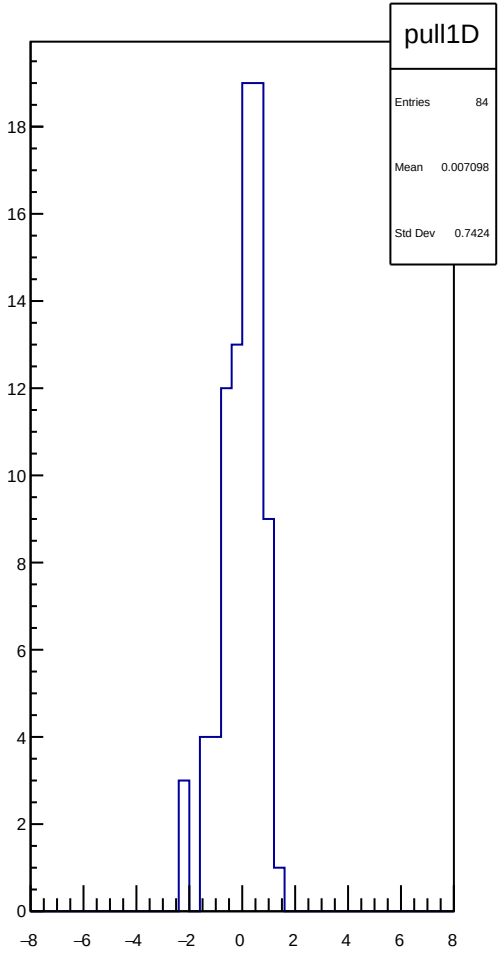

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 50.06 / 83
p0 −235.7 ± 6.05
pull
Entries 84
Mean −980.7
Std Dev 1024

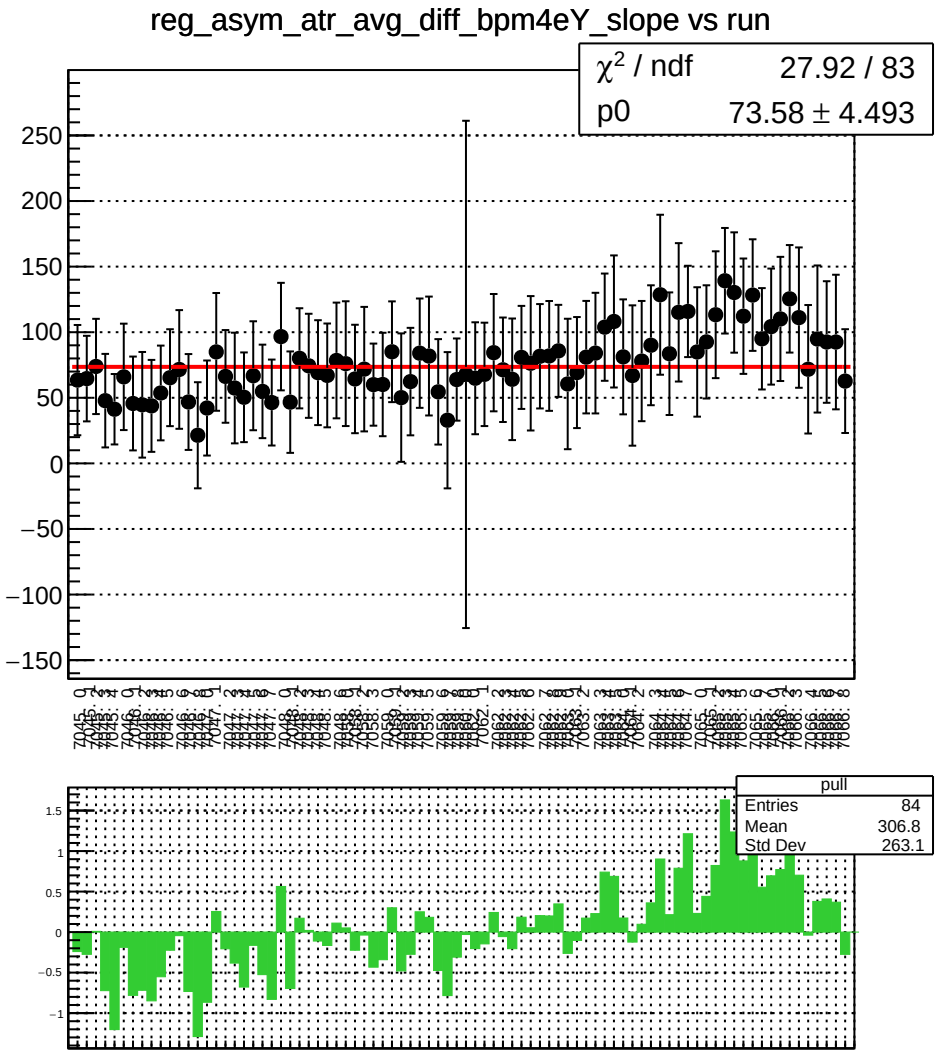

pull1D
Entries 84
Mean −0.01227
Std Dev 0.7719

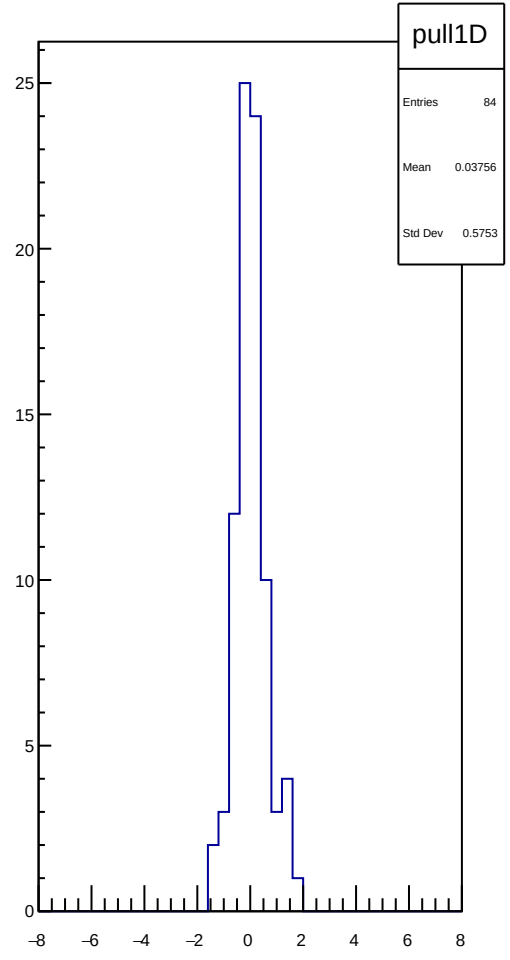

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.88 / 83
p0 −8.674 ± 4.209
200
100
0
−100
−200
pull
Entries 84
Mean 281.2
Std Dev 236.3
1
0.5
0
−0.5
−1
−1.5

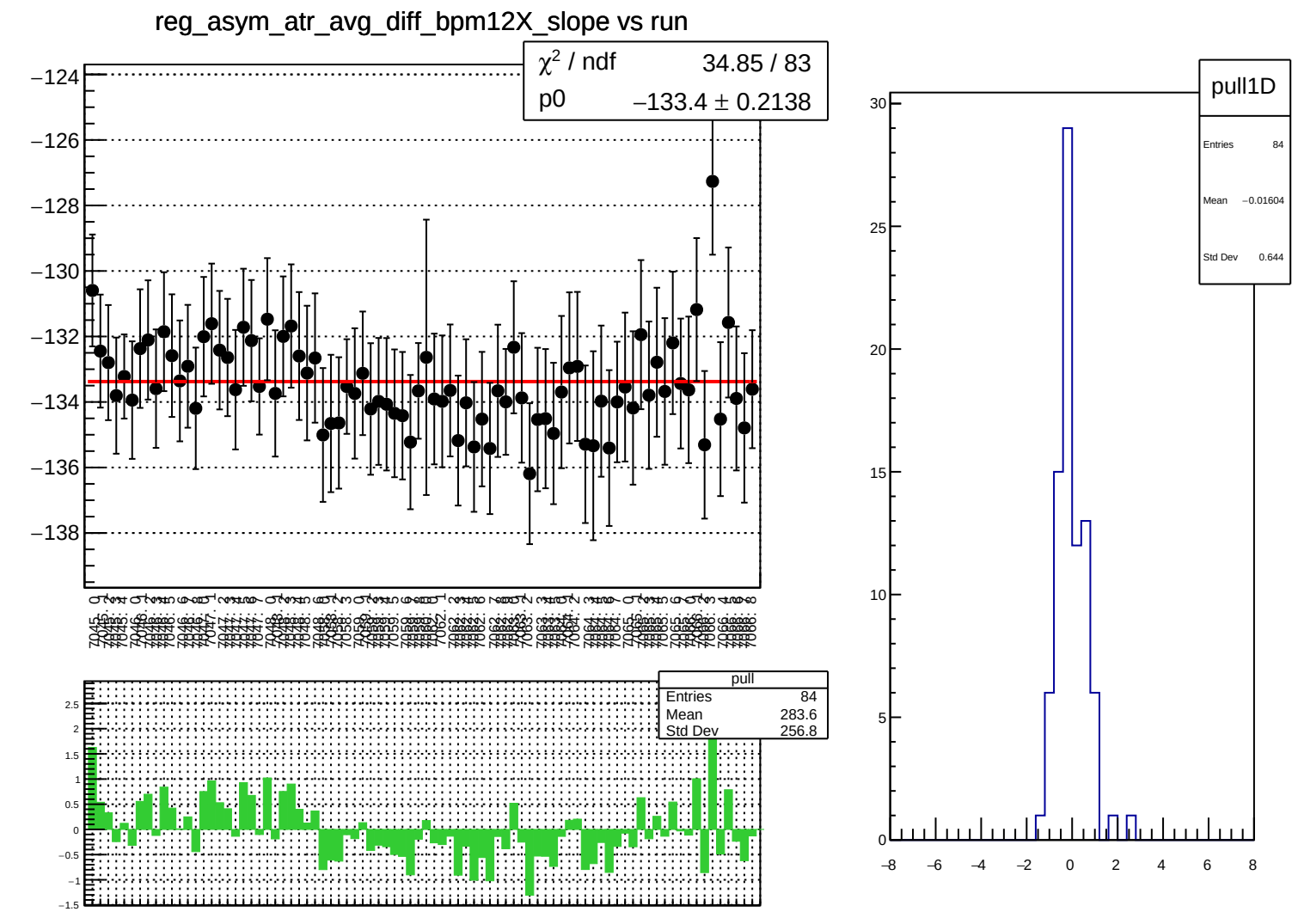

pull1D
Entries 84
Mean −0.03049
Std Dev 0.4977
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

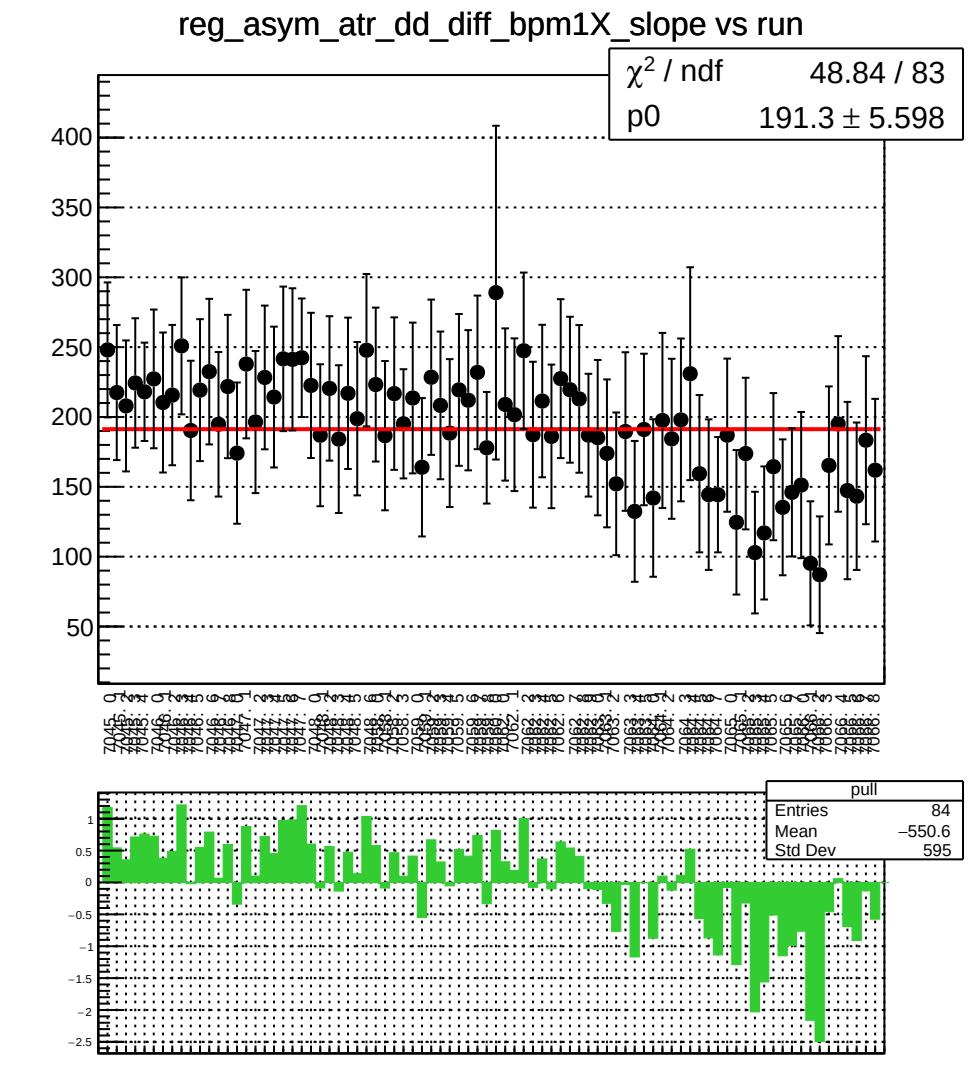

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.3 / 83
p0 248.2 ± 5.764
pull
Entries 84
Mean −1580
Std Dev 1624

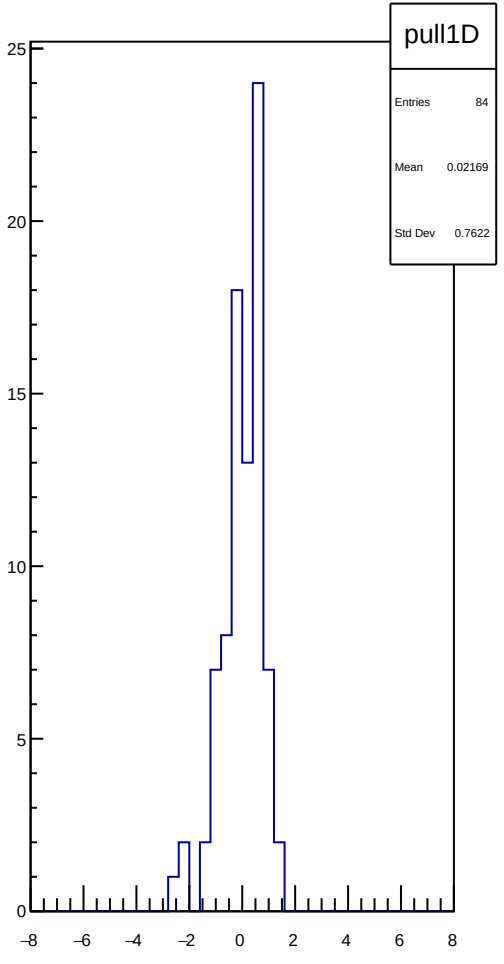

pull1D
Entries 84
Mean 0.007098
Std Dev 0.7424

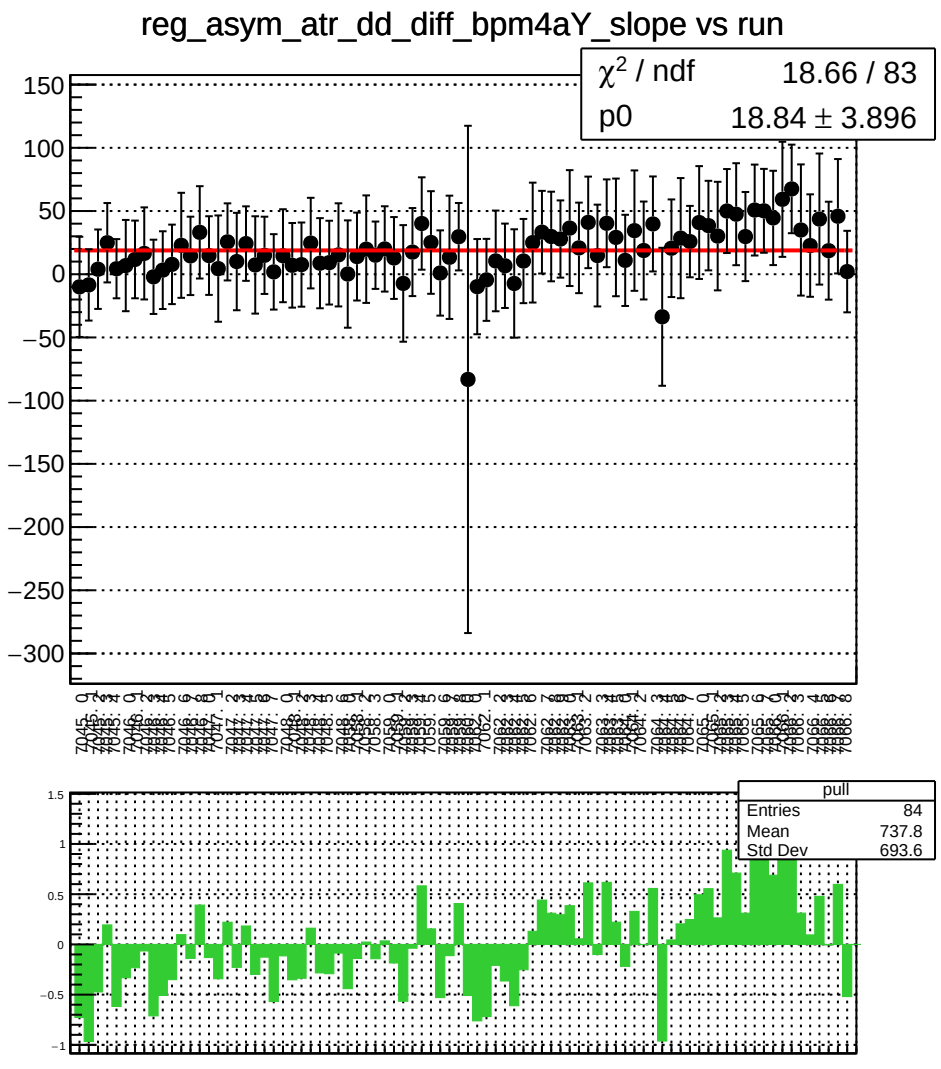

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.92 / 83
p0 73.58 ± 4.493
pull
Entries 84
Mean 306.8
Std Dev 263.1

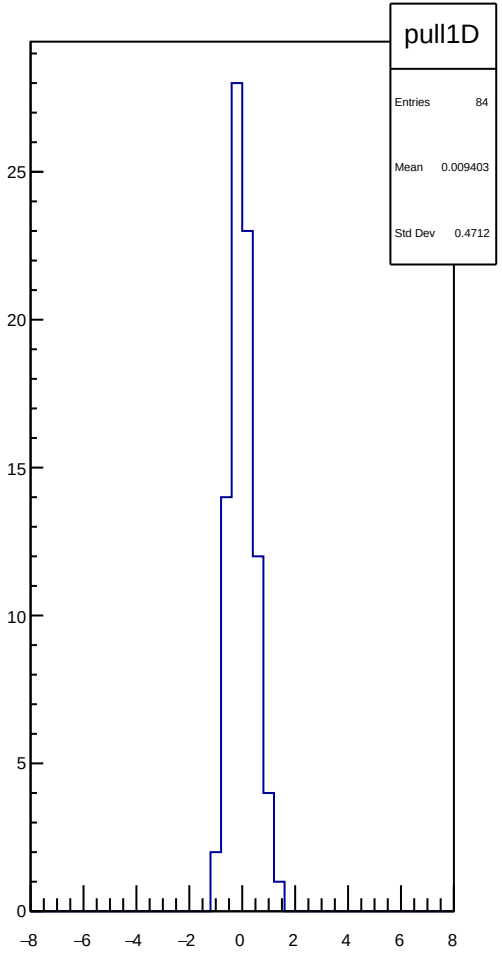

pull1D
Entries 84
Mean 0.03756
Std Dev 0.5753

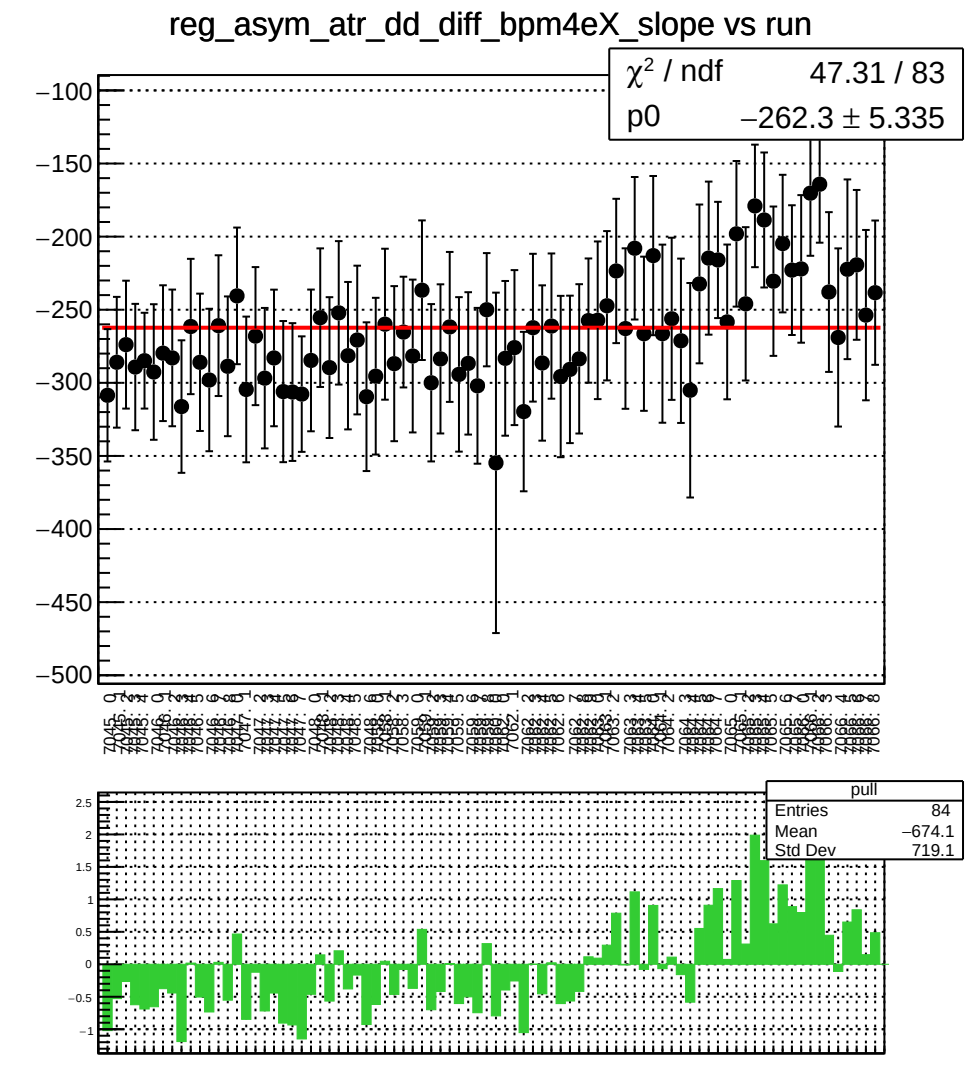

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 34.85 / 83
p0 −133.4 ± 0.2138
pull
Entries 84
Mean 283.6
Std Dev 256.8
pull1D
Entries 84
Mean −0.01604
Std Dev 0.644

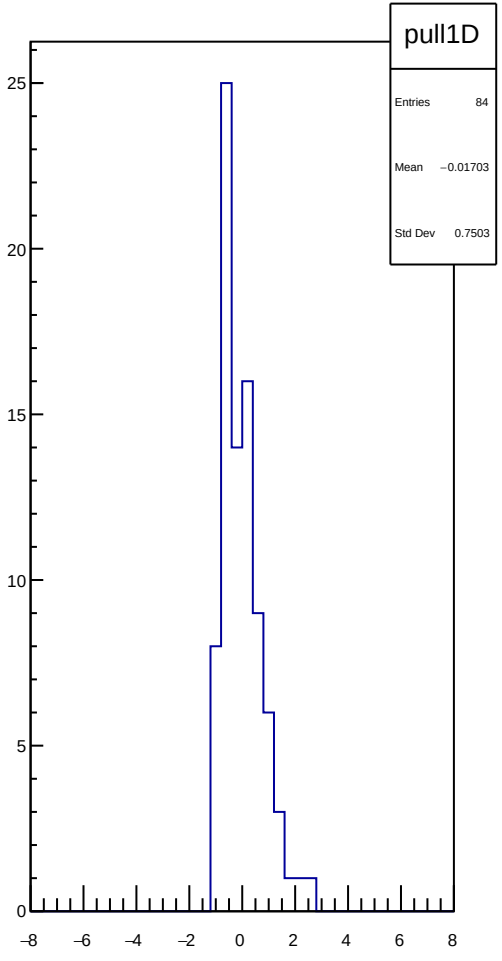

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 48.84 / 83
p0 191.3 ± 5.598
pull
Entries 84
Mean −550.6
Std Dev 595

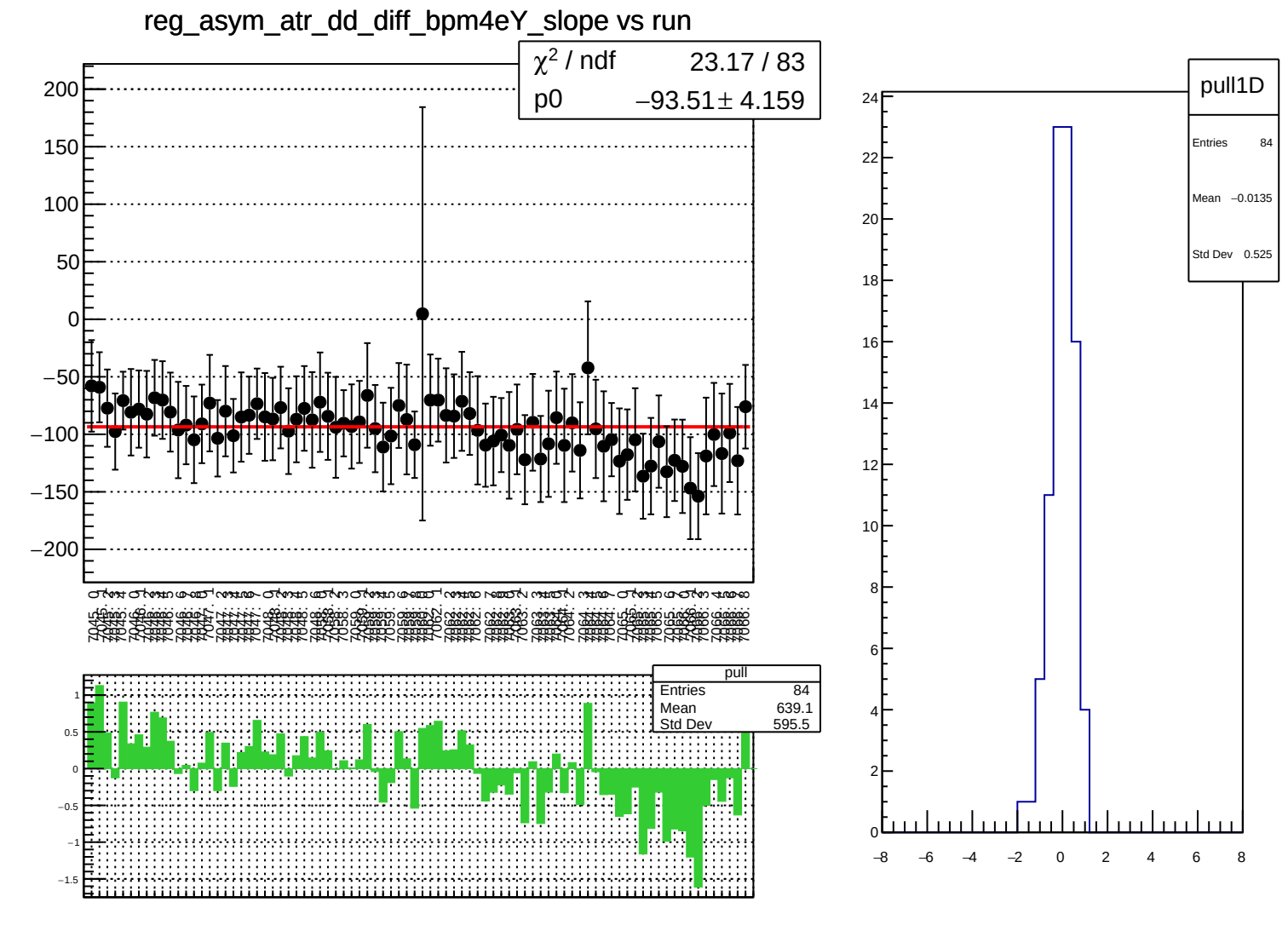

pull1D
Entries 84
Mean 0.02169
Std Dev 0.7622

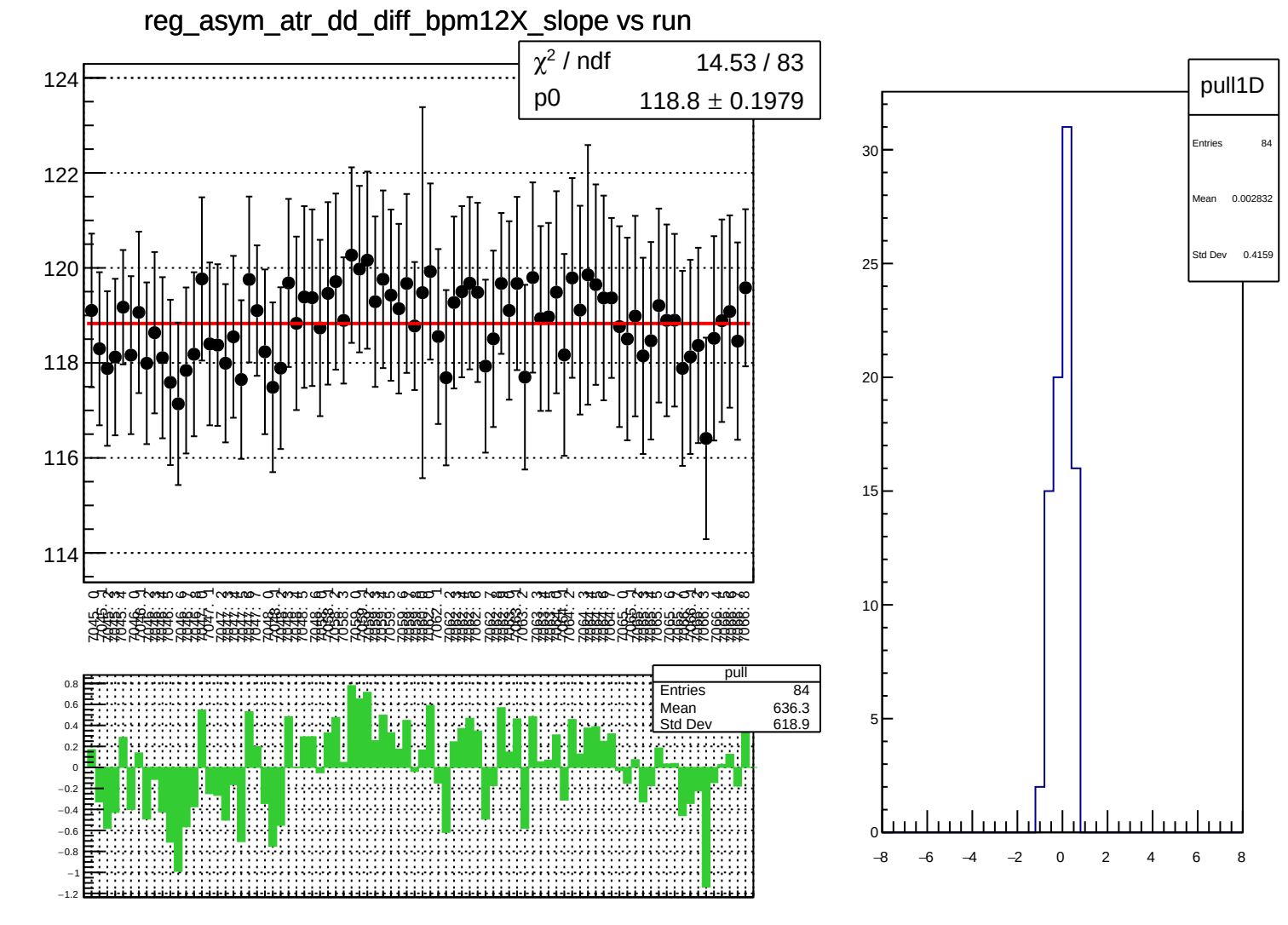

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.66 / 83
p0 18.84 ± 3.896
pull
Entries 84
Mean 737.8
Std Dev 693.6

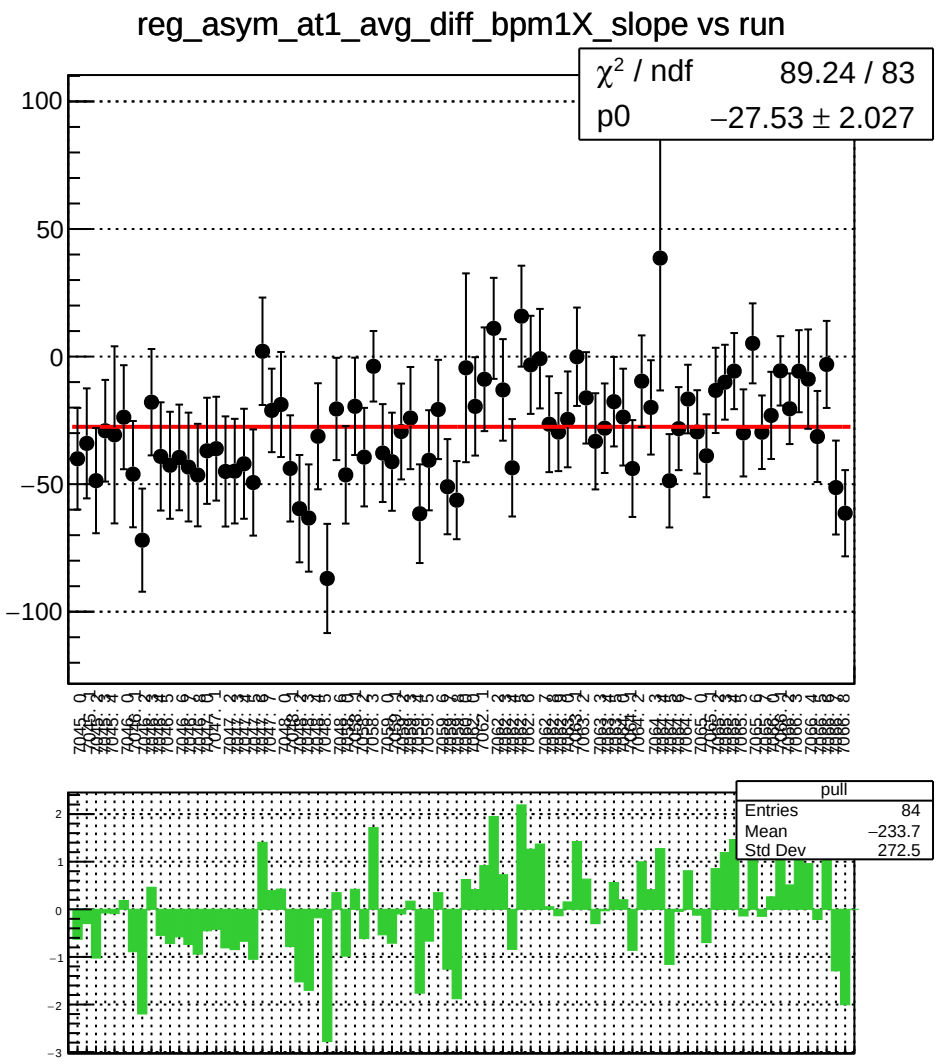

pull1D
Entries 84
Mean 0.009403
Std Dev 0.4712

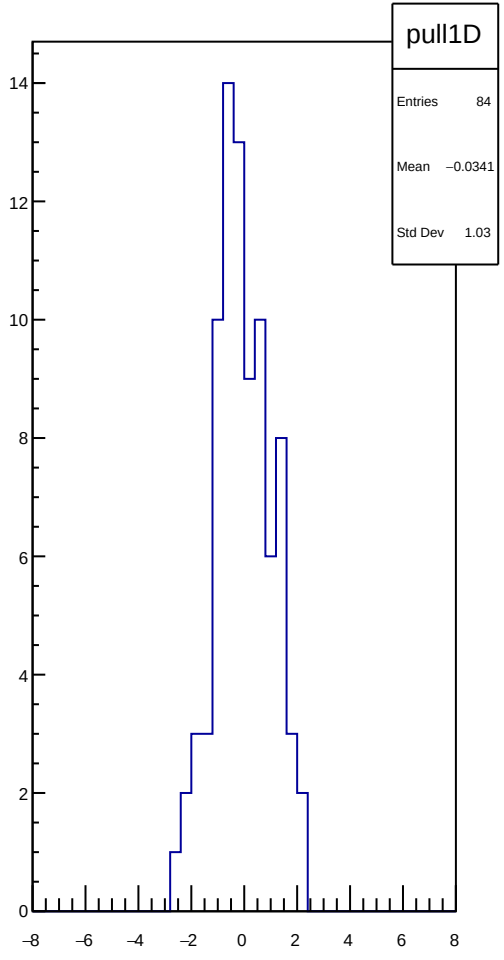

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.31 / 83
p0 −262.3 ± 5.335
pull
Entries 84
Mean −674.1
Std Dev 719.1

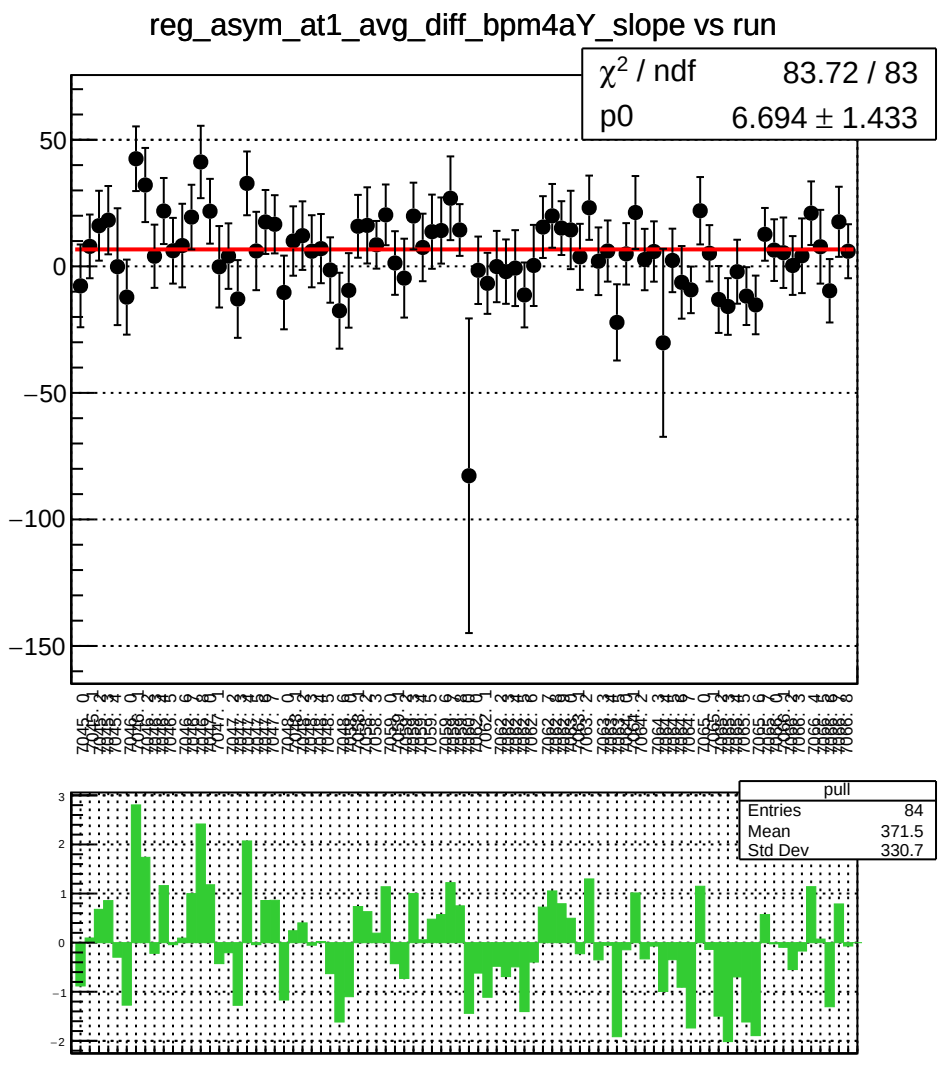

pull1D
Entries 84
Mean −0.01703
Std Dev 0.7503

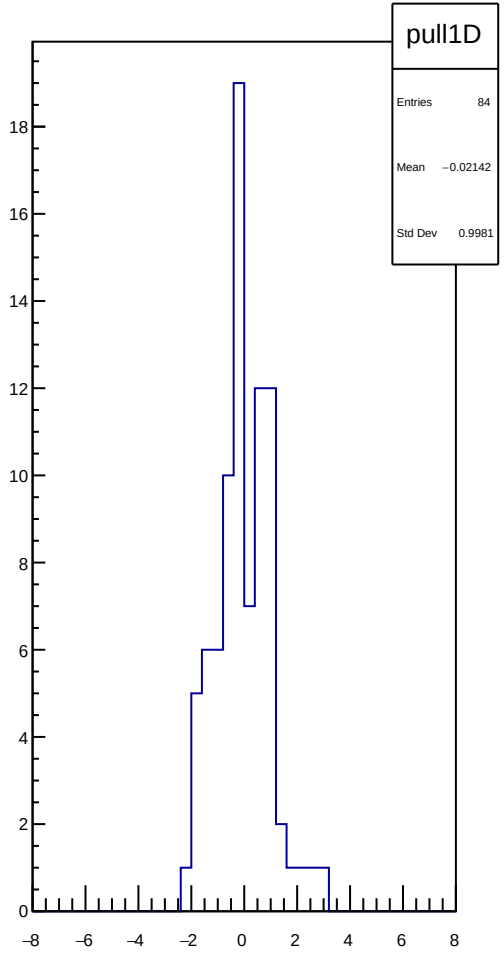

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.17 / 83
p0 −93.51 ± 4.159
pull
Entries 84
Mean 639.1
Std Dev 595.5
pull1D
Entries 84
Mean −0.0135
Std Dev 0.525

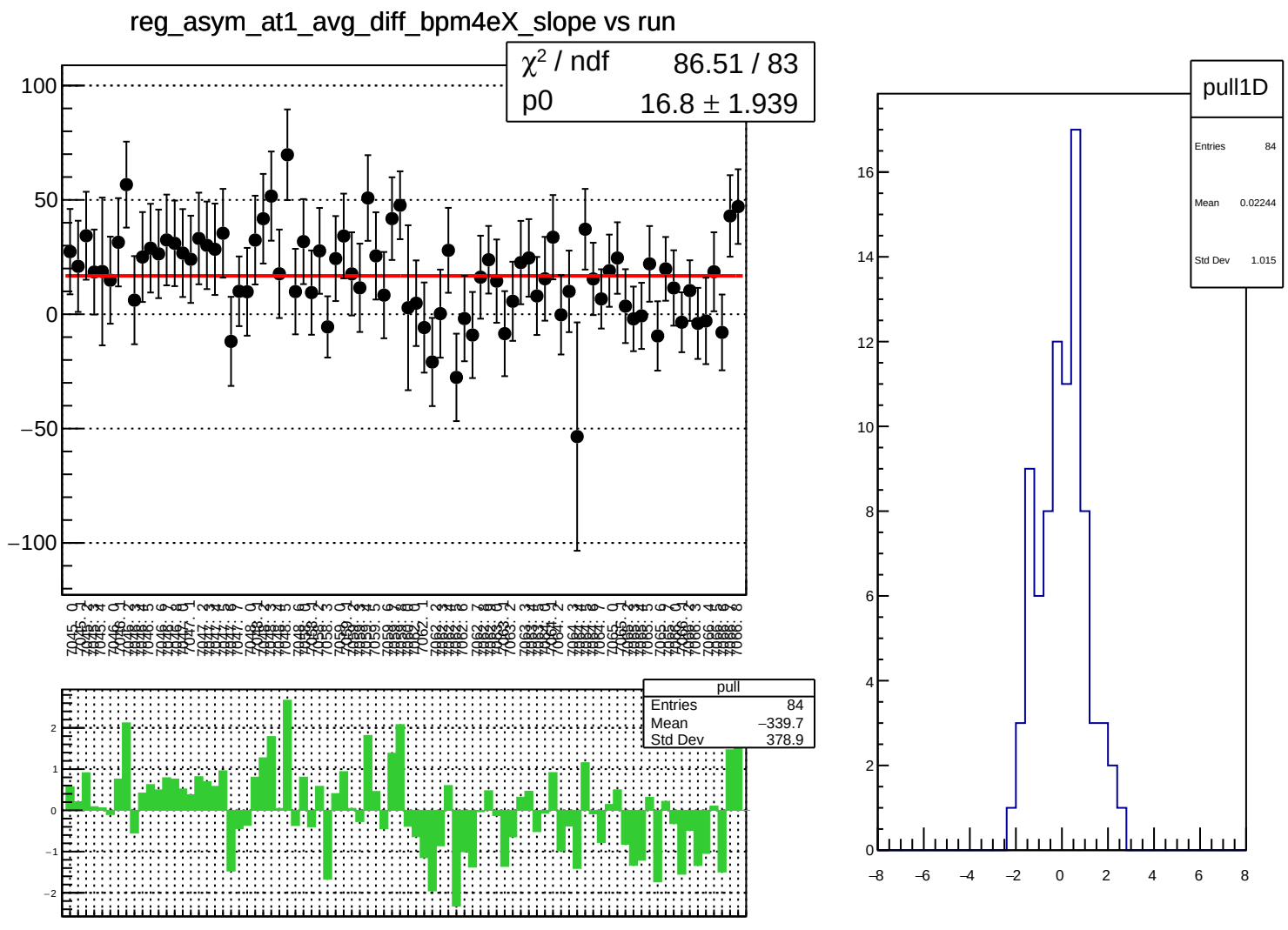

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 14.53 / 83
p0 118.8 ± 0.1979
pull
Entries 84
Mean 636.3
Std Dev 618.9
pull1D
Entries 84
Mean 0.002832
Std Dev 0.4159

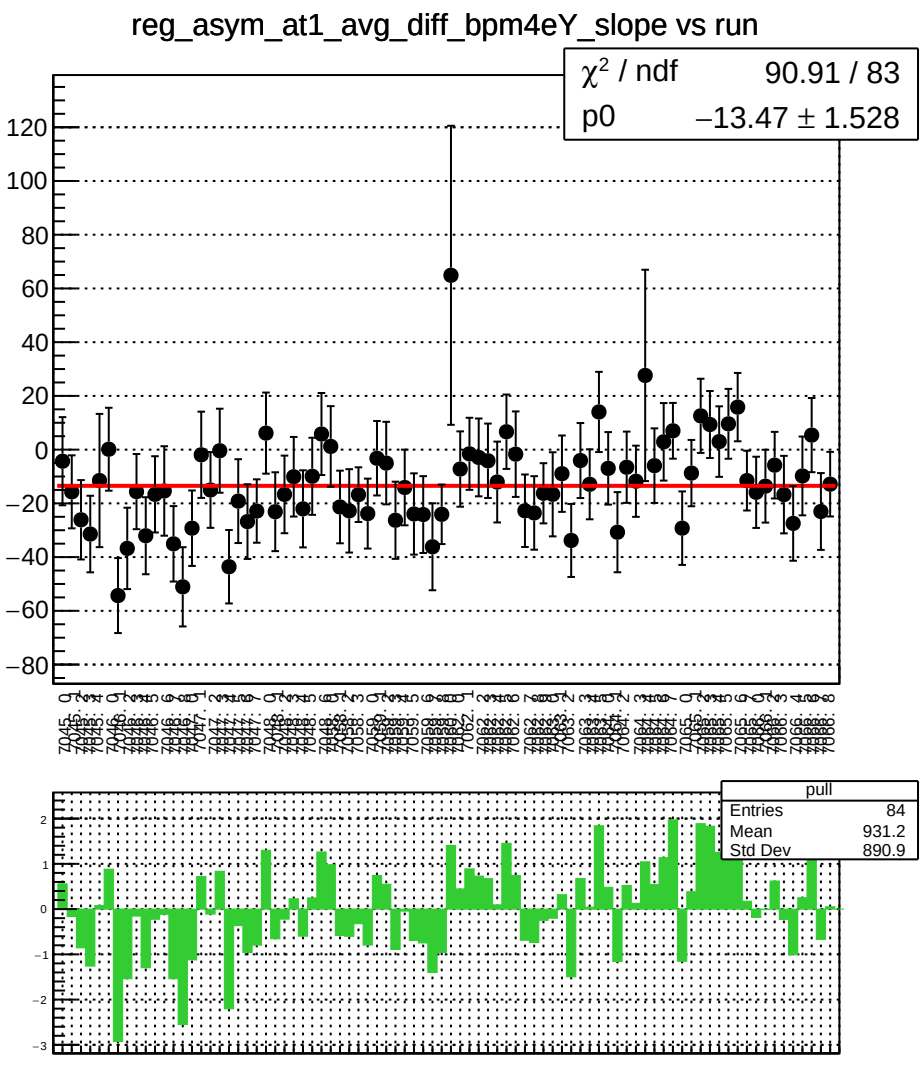

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 89.24 / 83
p0 −27.53 ± 2.027
100
50
0
−50
−100
pull
Entries 84
Mean −233.7
Std Dev 272.5
2
1
0
−1
−2
−3

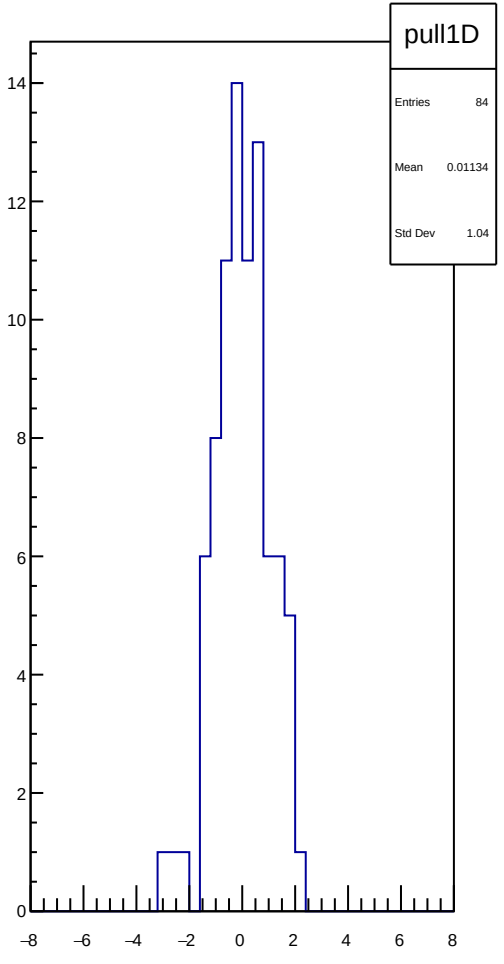

pull1D
Entries 84
Mean −0.0341
Std Dev 1.03
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

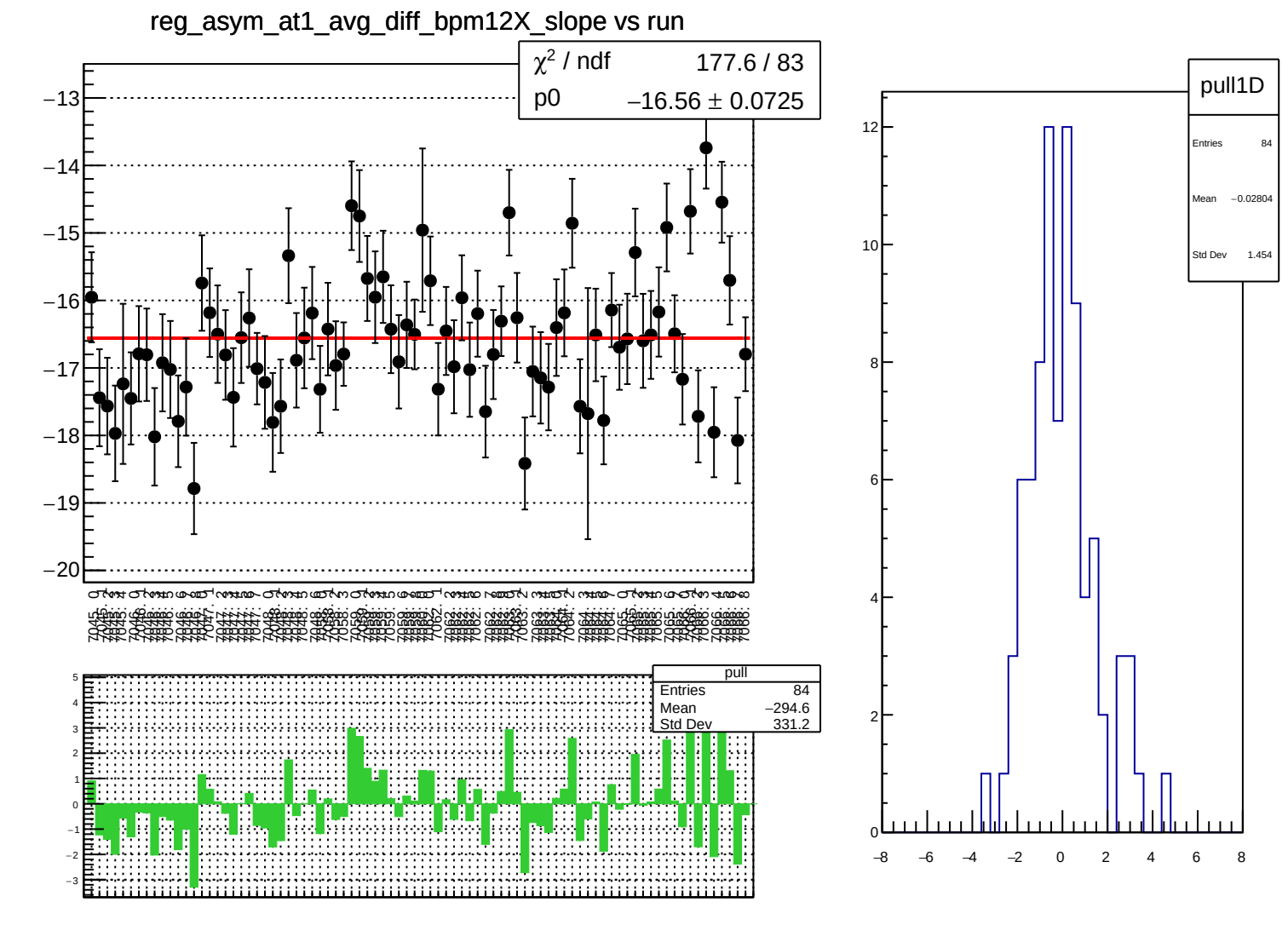

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 83.72 / 83
p0 6.694 ± 1.433
50
0
−50
−100
−150
pull
Entries 84
Mean 371.5
Std Dev 330.7
3
2
1
0
−1
−2

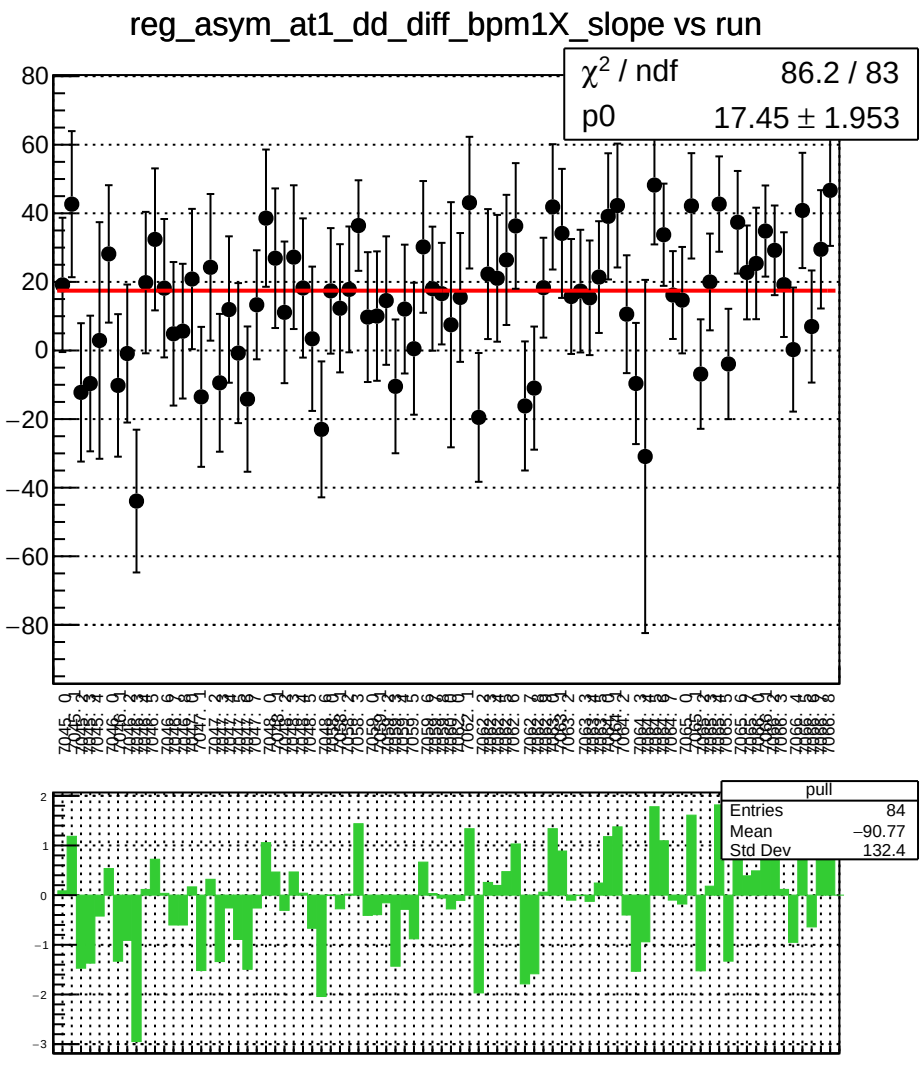

pull1D
Entries 84
Mean −0.02142
Std Dev 0.9981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

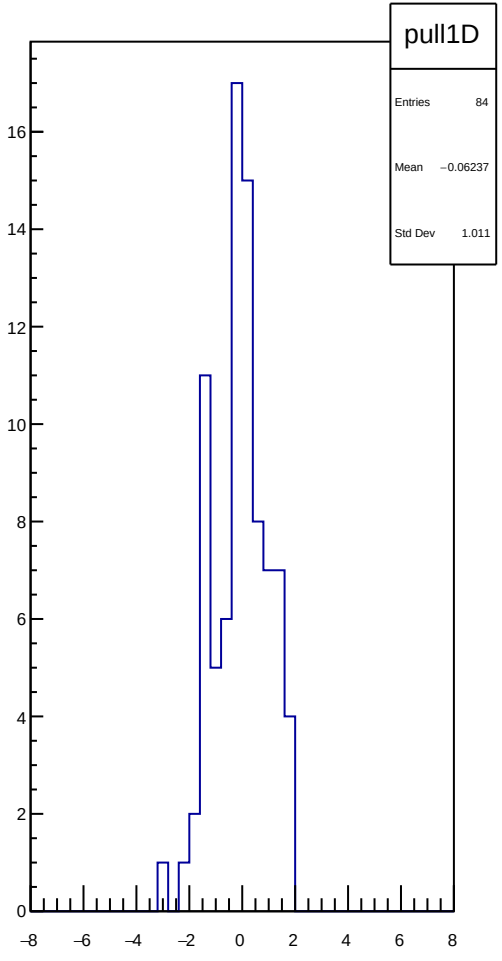

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.51 / 83
p0 16.8 ± 1.939
100
50
0
−50
−100
pull
Entries 84
Mean −339.7
Std Dev 378.9
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.02244
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

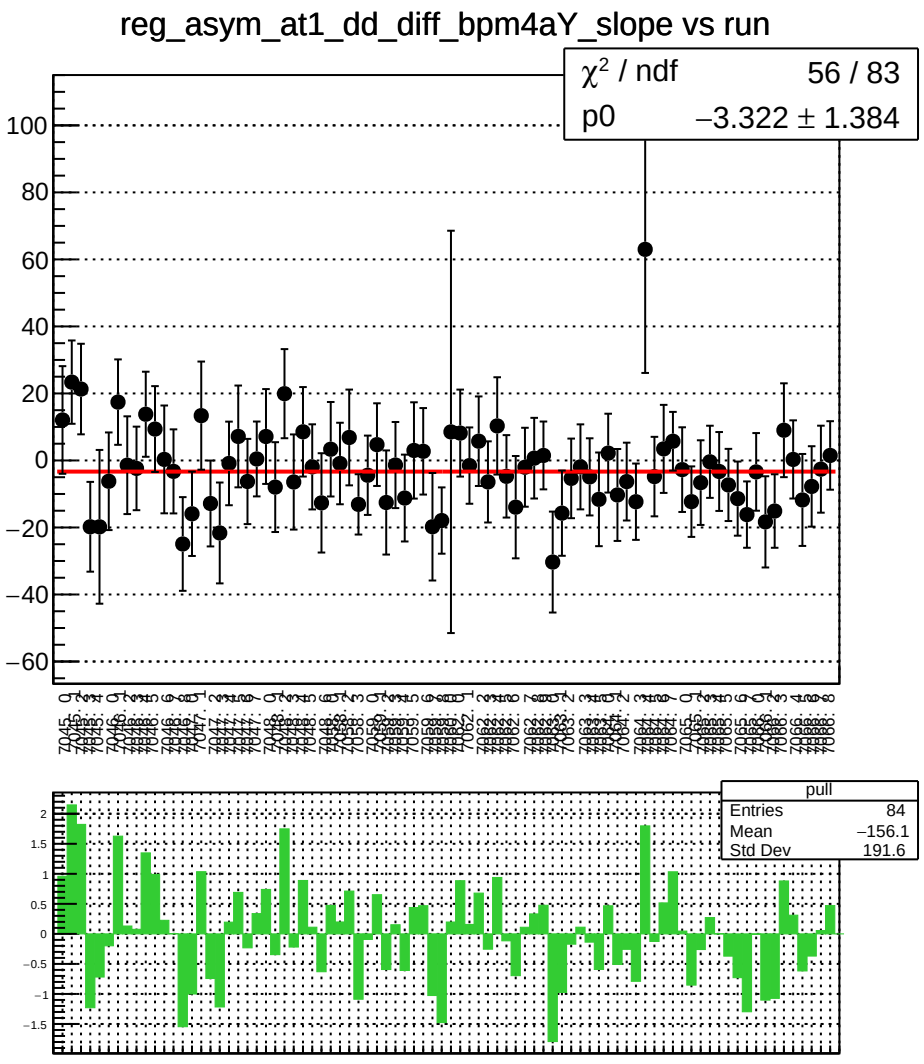

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 90.91 / 83
p0 −13.47 ± 1.528
pull
Entries 84
Mean 931.2
Std Dev 890.9

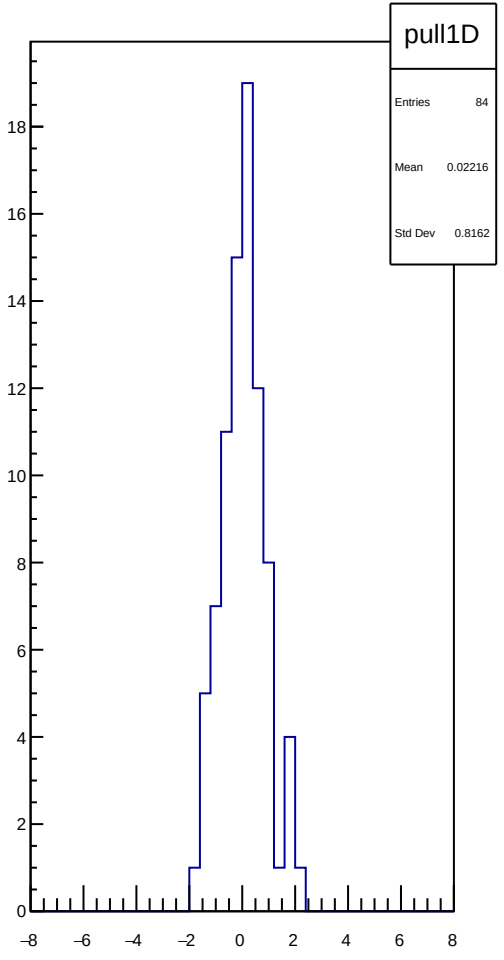

pull1D
Entries 84
Mean 0.01134
Std Dev 1.04

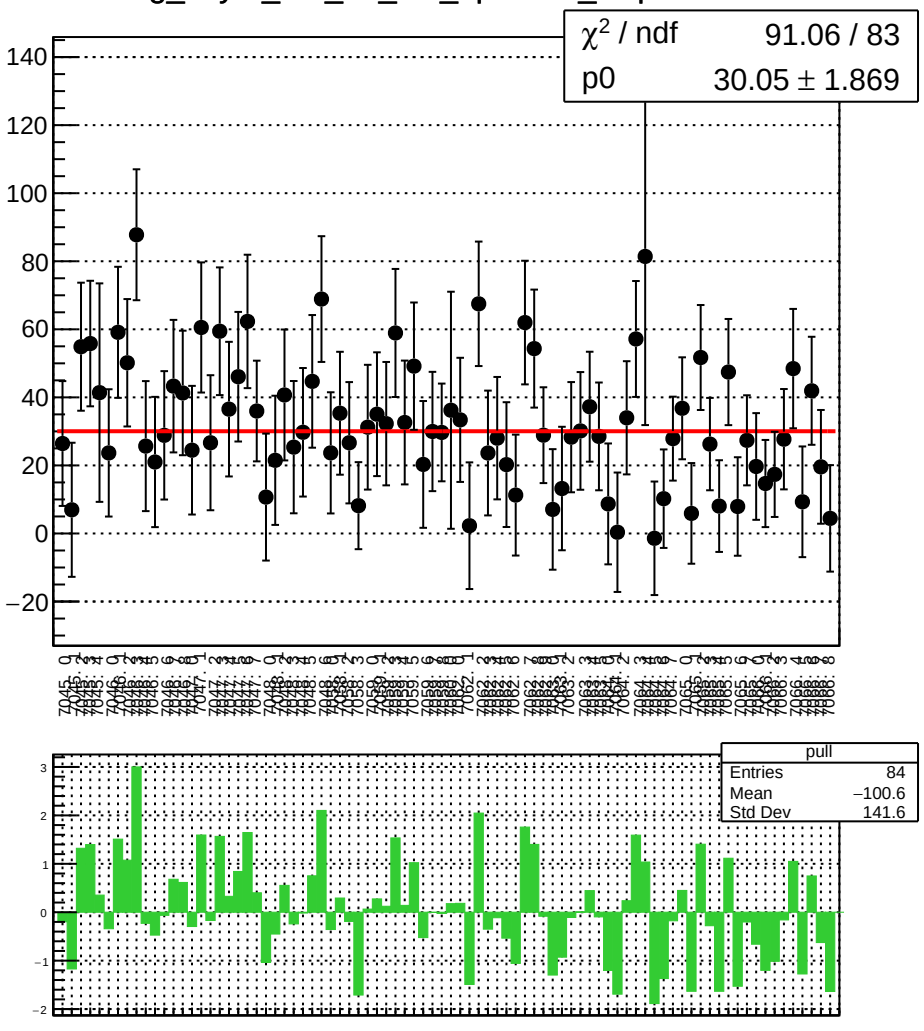

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 177.6 / 83
p0 −16.56 ± 0.0725
pull
Entries 84
Mean −294.6
Std Dev 331.2
pull1D
Entries 84
Mean −0.02804
Std Dev 1.454

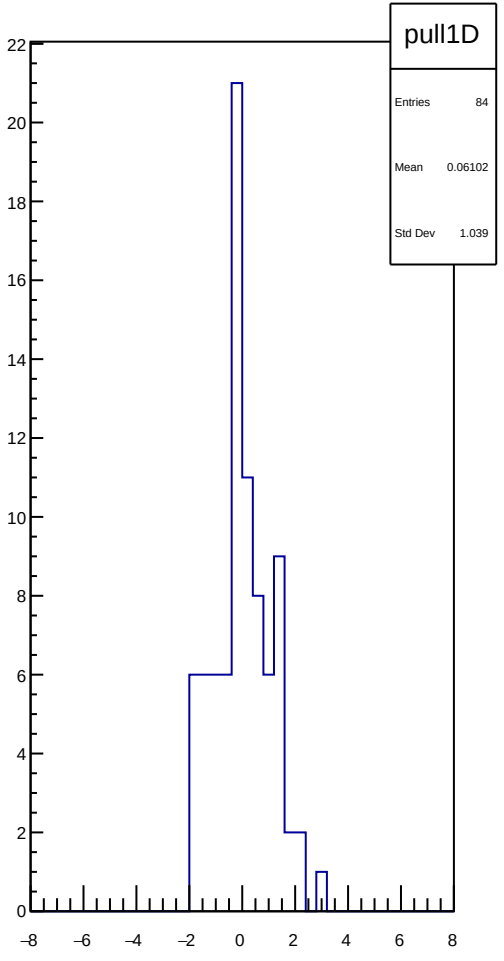

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 86.2 / 83
p0 17.45 ± 1.953
pull
Entries 84
Mean −90.77
Std Dev 132.4

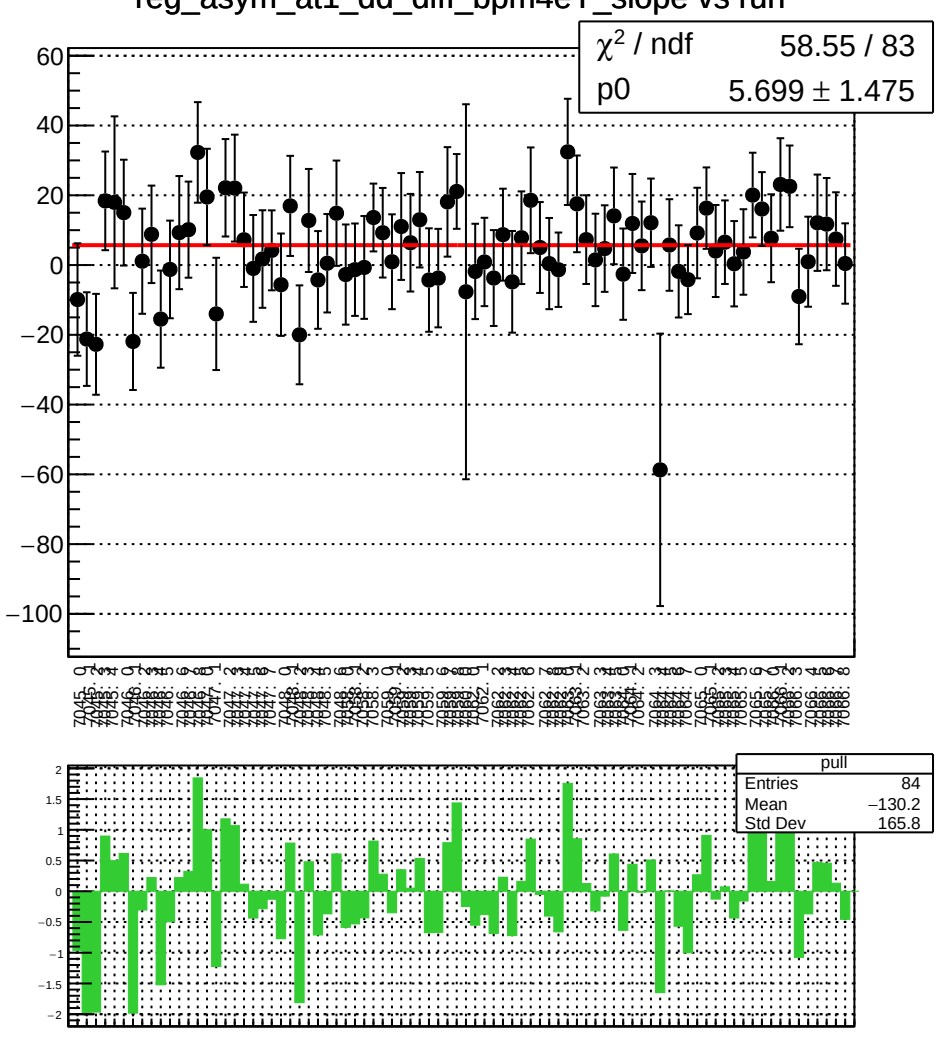

pull1D
Entries 84
Mean −0.06237
Std Dev 1.011

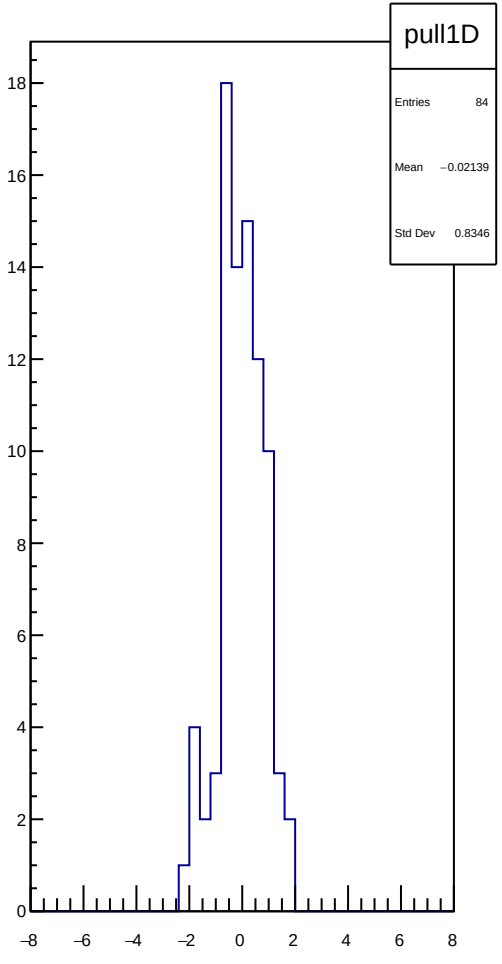

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 56 / 83
p0 −3.322 ± 1.384
pull
Entries 84
Mean −156.1
Std Dev 191.6

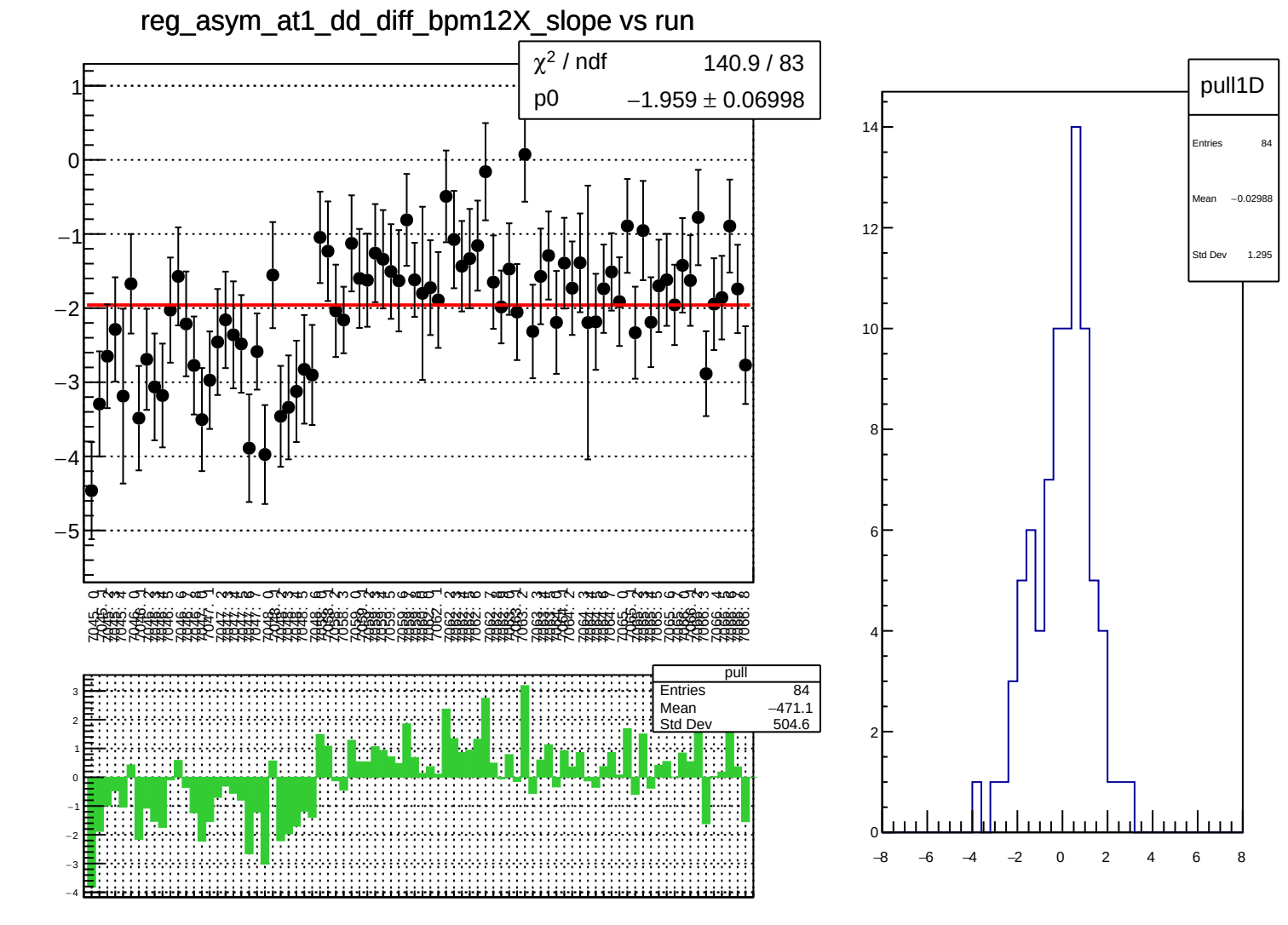

pull1D
Entries 84
Mean 0.02216
Std Dev 0.8162

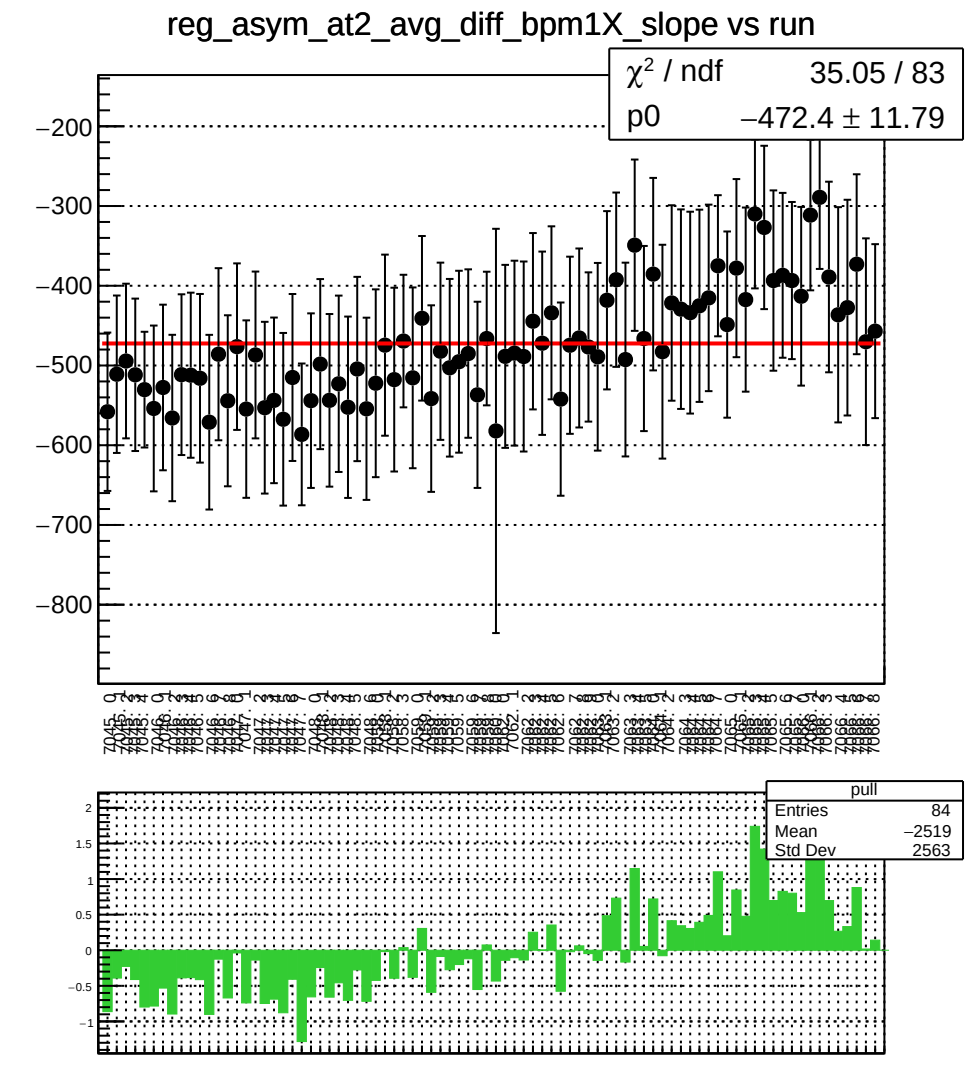

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 91.06 / 83
p0 30.05 ± 1.869
pull
Entries 84
Mean −100.6
Std Dev 141.6

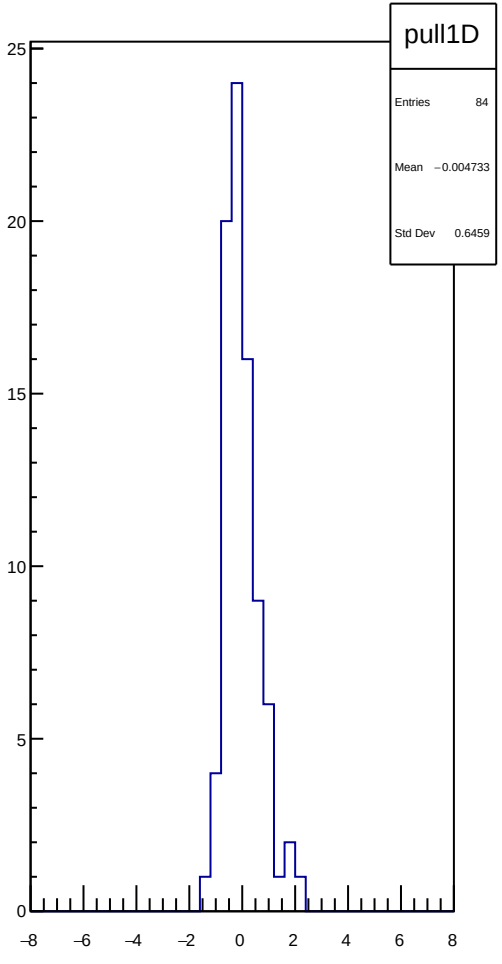

pull1D
Entries 84
Mean 0.06102
Std Dev 1.039

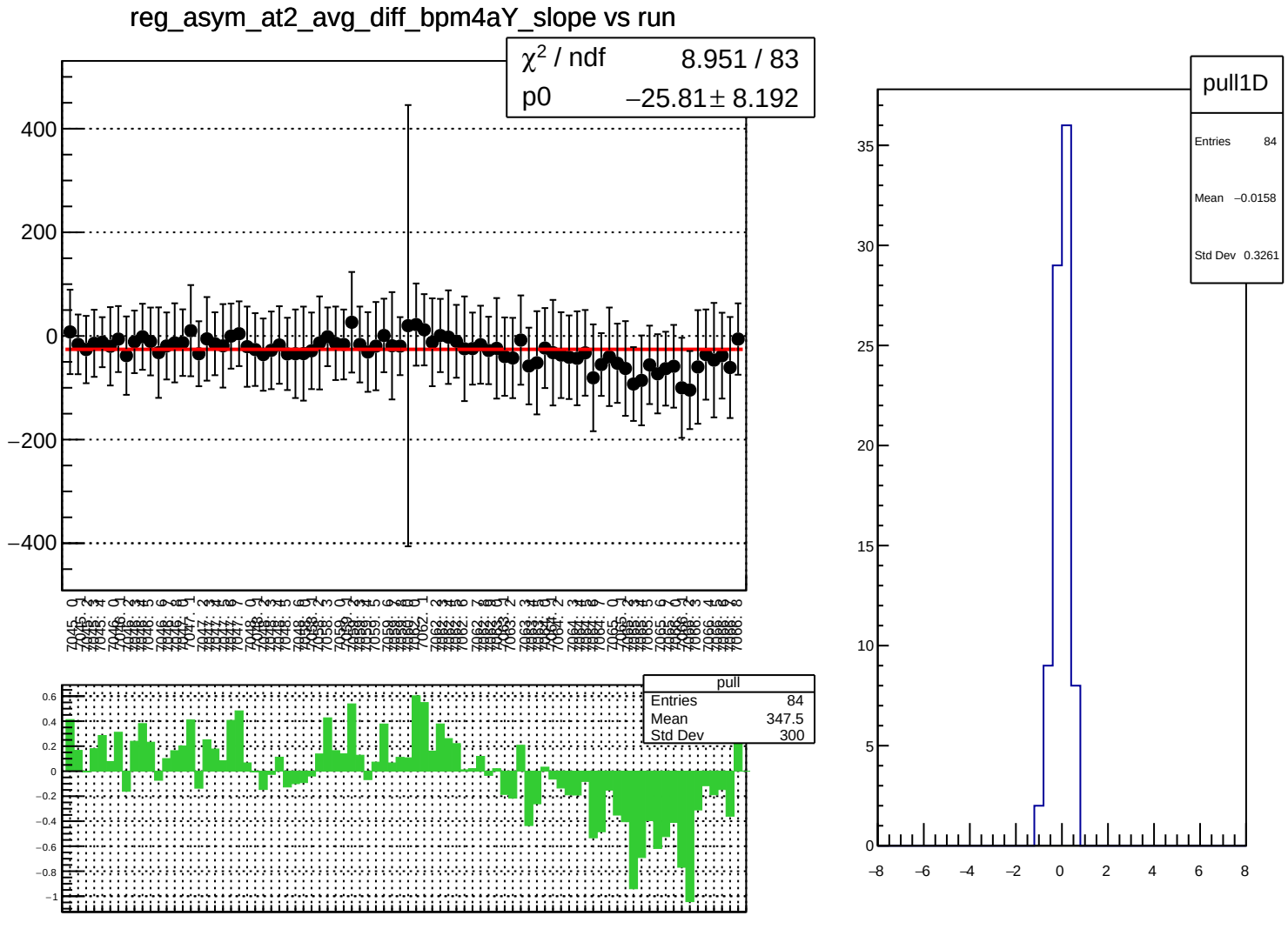

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.55 / 83
p0 5.699 ± 1.475
pull
Entries 84
Mean −130.2
Std Dev 165.8

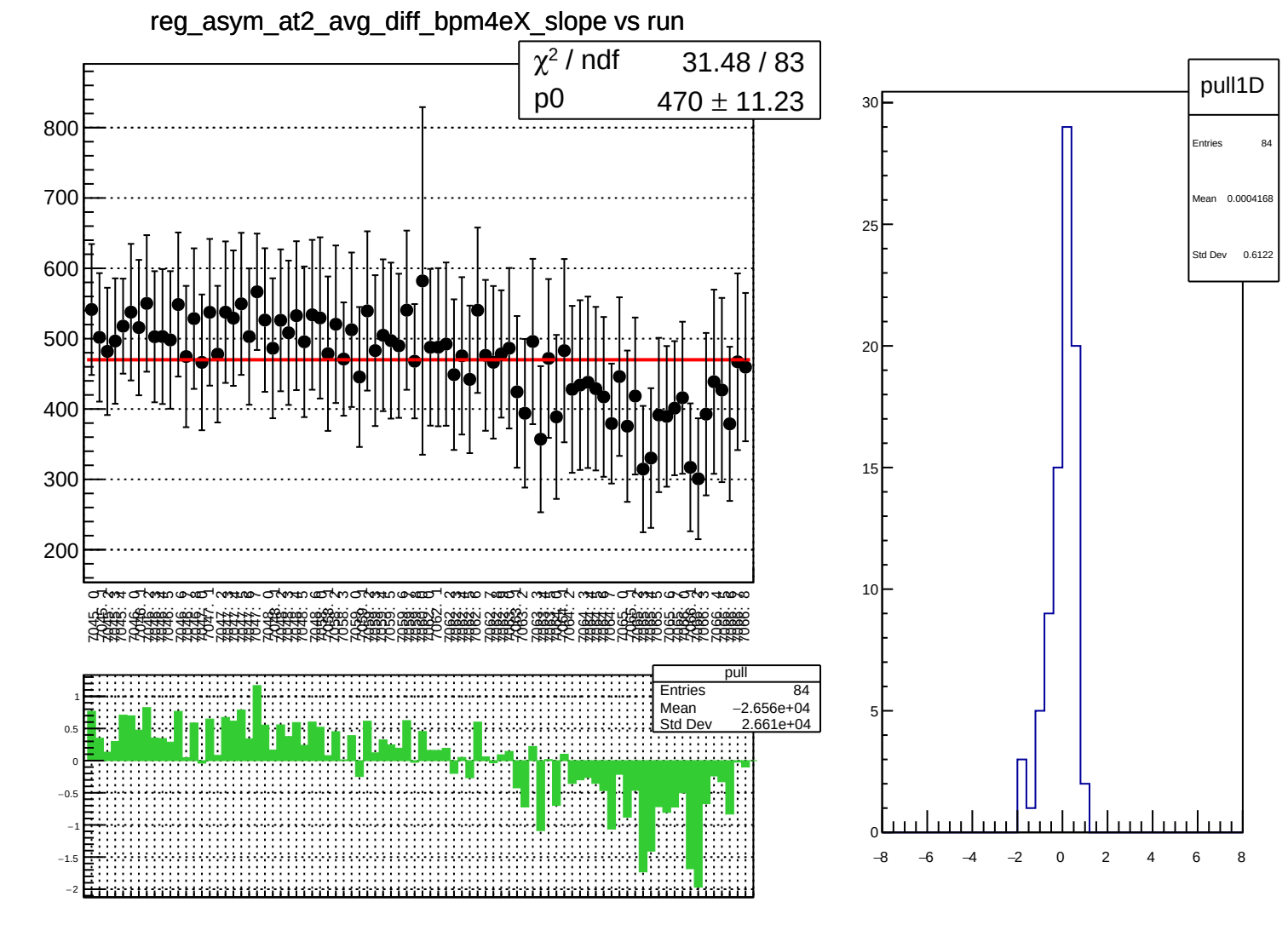

pull1D
Entries 84
Mean −0.02139
Std Dev 0.8346

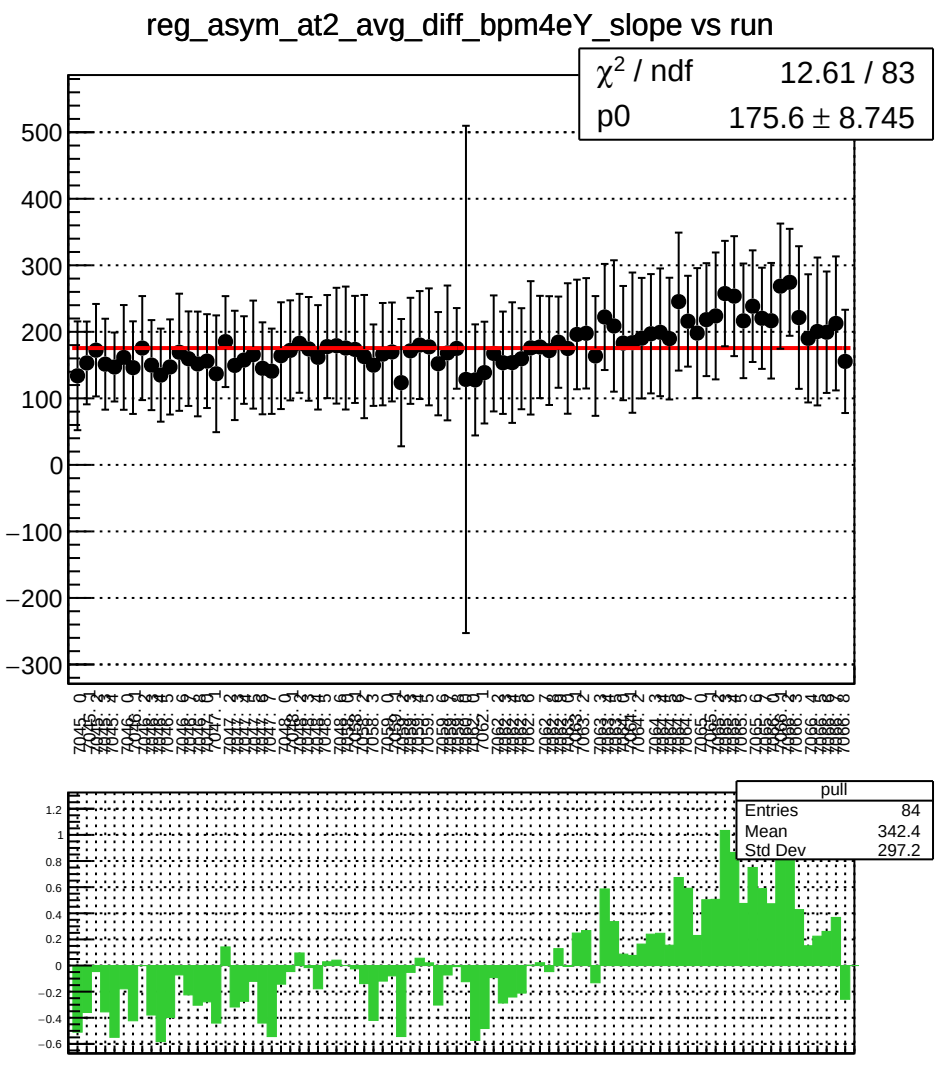

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 140.9 / 83
p0 −1.959 ± 0.06998
pull
Entries 84
Mean −471.1
Std Dev 504.6
pull1D
Entries 84
Mean −0.02988
Std Dev 1.295

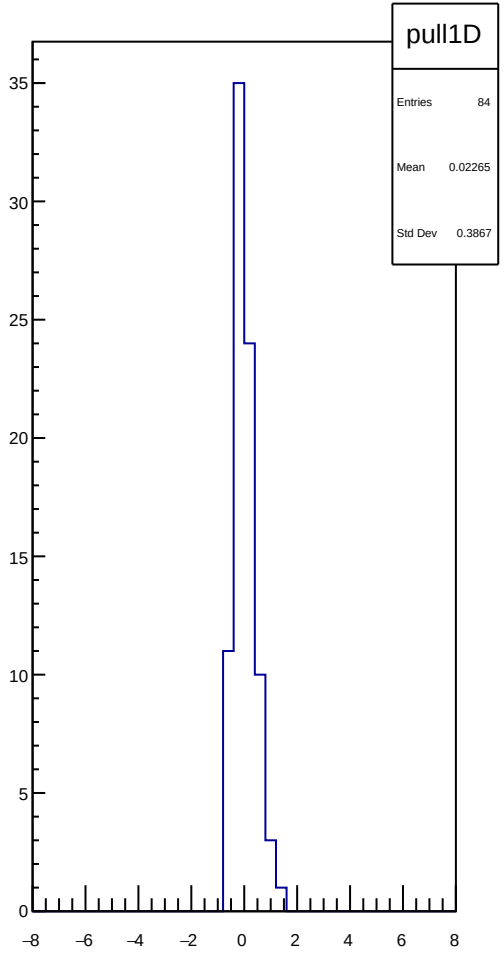

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 35.05 / 83
p0 −472.4 ± 11.79
pull
Entries 84
Mean −2519
Std Dev 2563

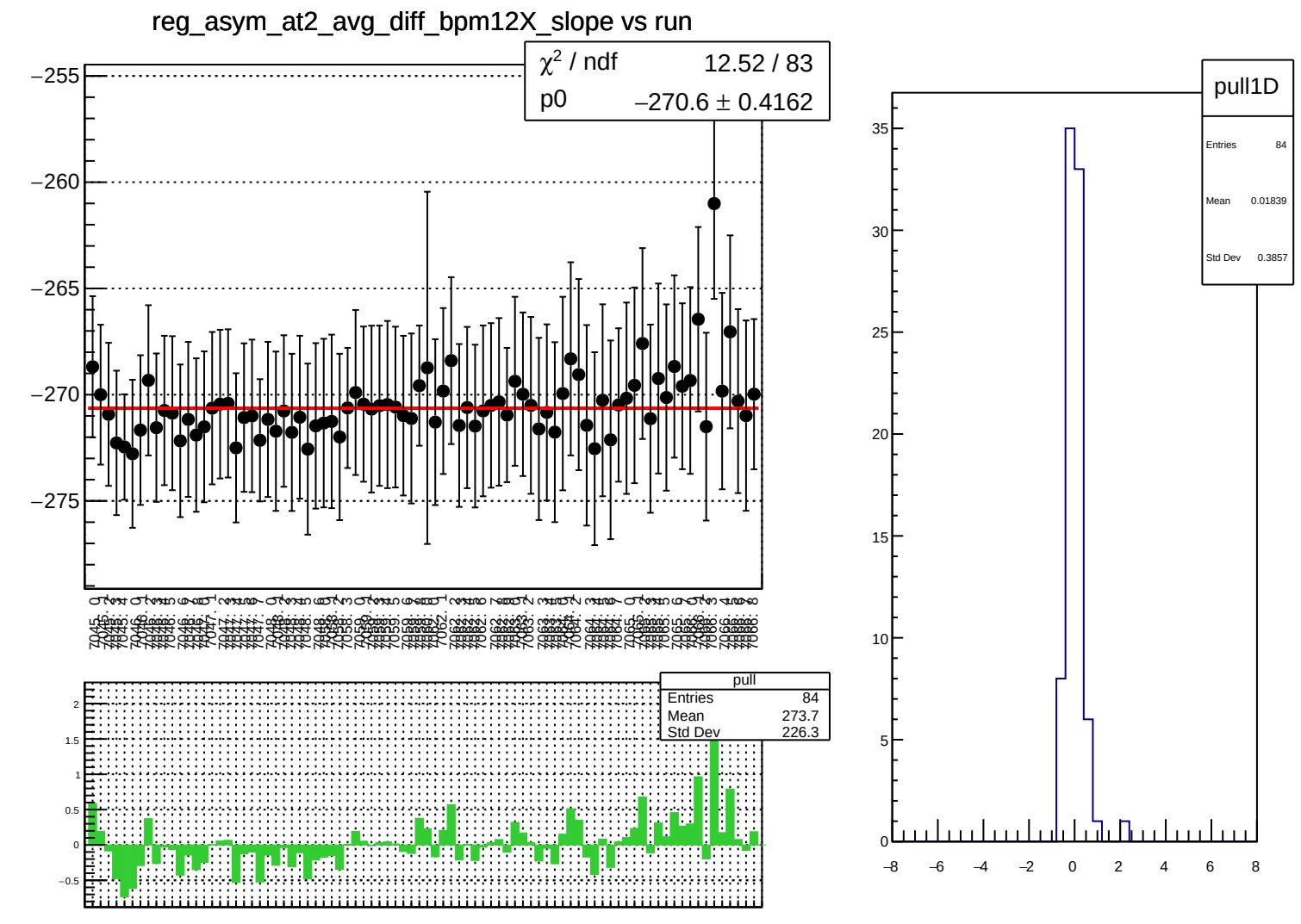

pull1D
Entries 84
Mean −0.004733
Std Dev 0.6459

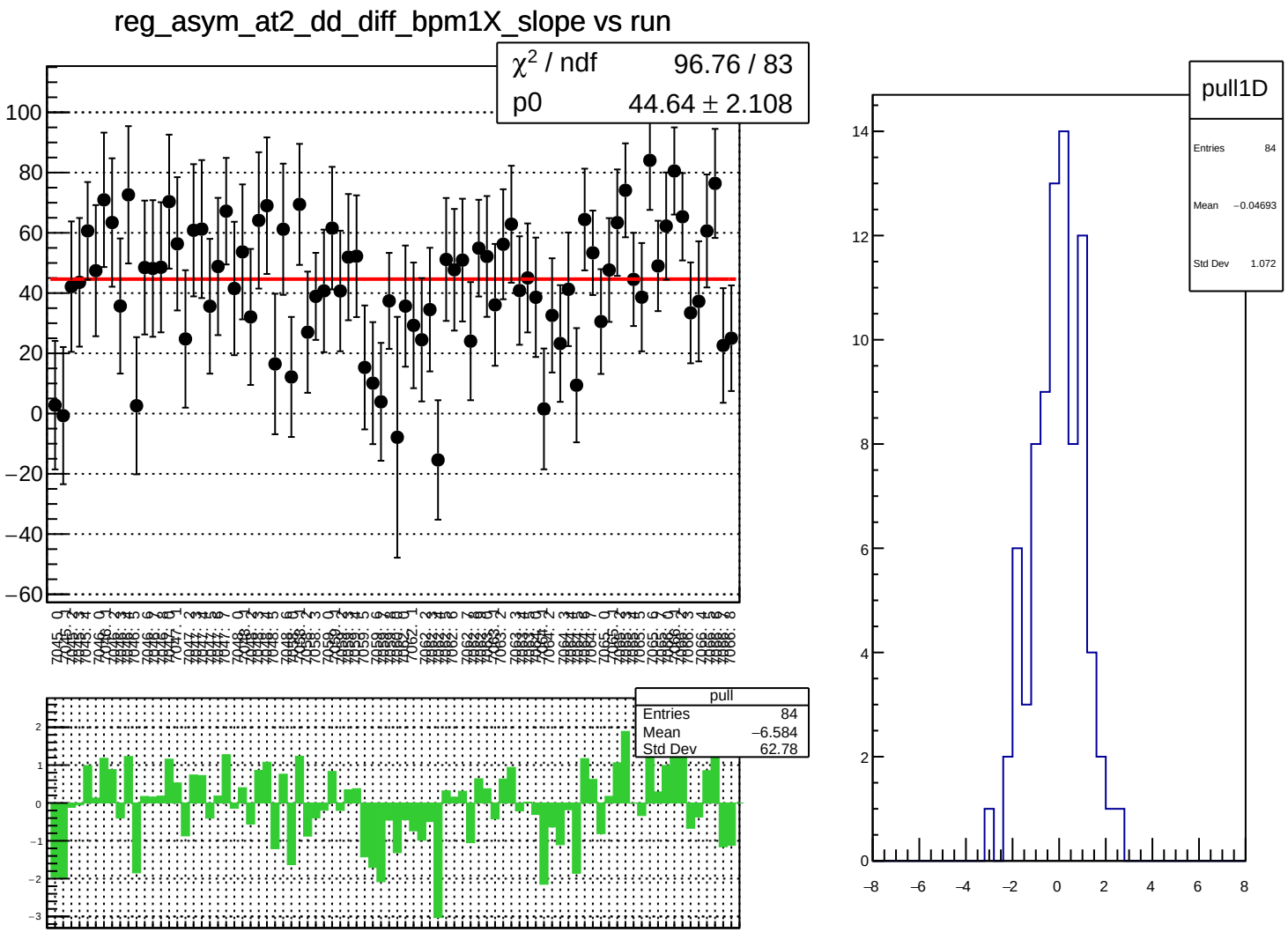

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.951 / 83
p0 −25.81 ± 8.192
400
200
0
−200
−400
pull
Entries 84
Mean 347.5
Std Dev 300
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 84
Mean −0.0158
Std Dev 0.3261
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

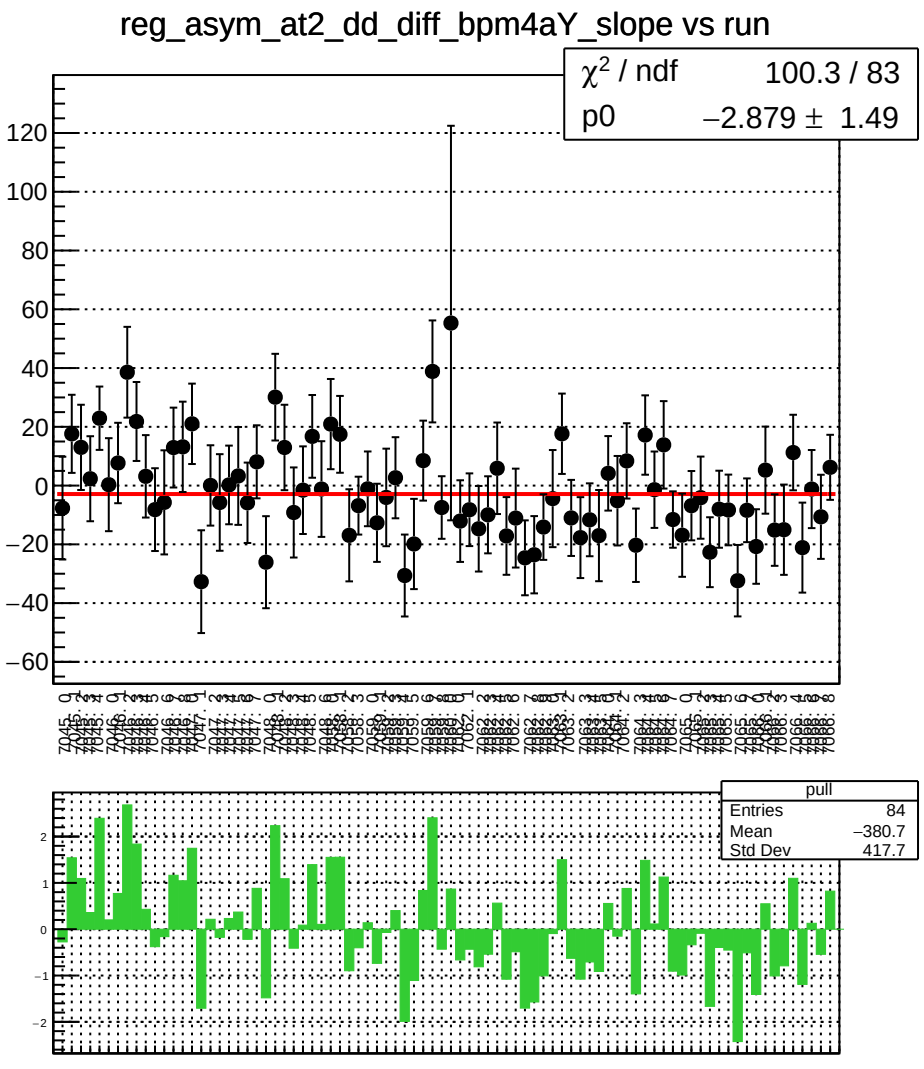

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.48 / 83
p0 470 ± 11.23
pull
Entries 84
Mean −2.656e+04
Std Dev 2.661e+04
pull1D
Entries 84
Mean 0.0004168
Std Dev 0.6122

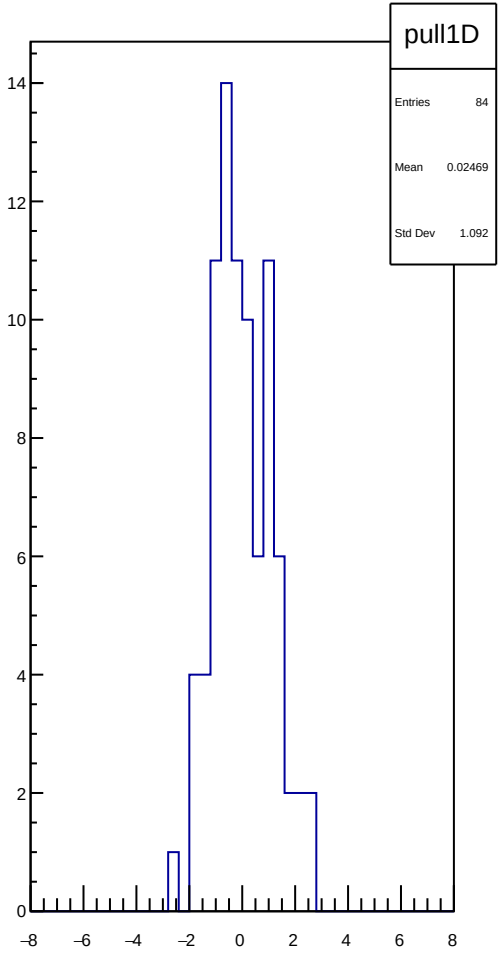

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.61 / 83
p0 175.6 ± 8.745
pull
Entries 84
Mean 342.4
Std Dev 297.2

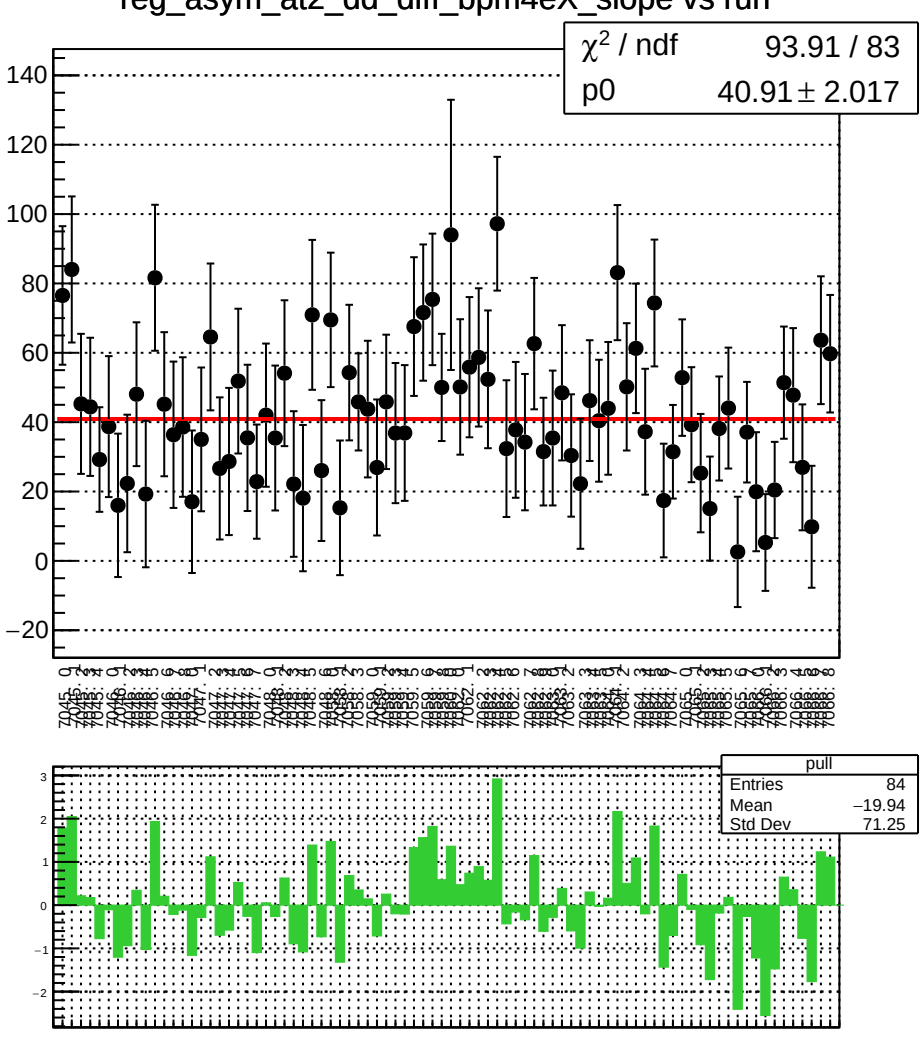

pull1D
Entries 84
Mean 0.02265
Std Dev 0.3867

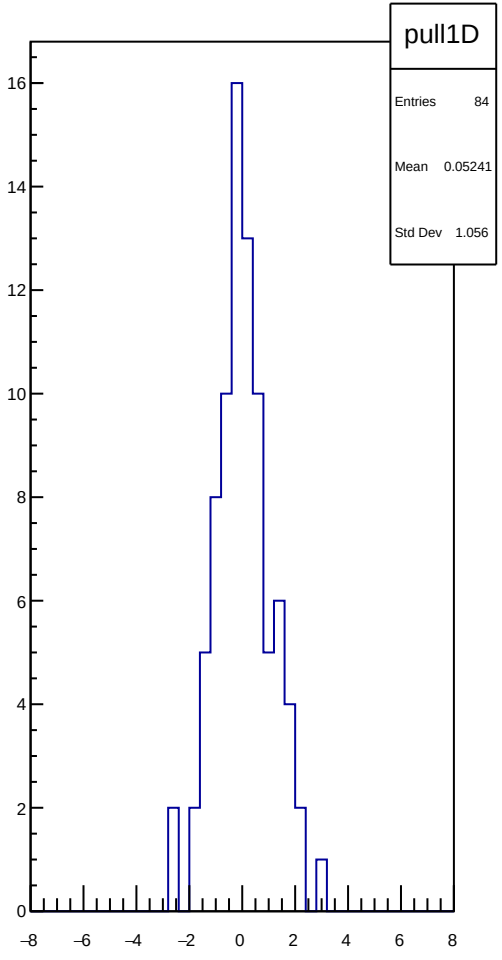

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.52 / 83
p0 −270.6 ± 0.4162
−255
−260
−265
−270
−275
pull
Entries 84
Mean 273.7
Std Dev 226.3
2
1.5
1
0.5
0
−0.5
pull1D
Entries 84
Mean 0.01839
Std Dev 0.3857
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

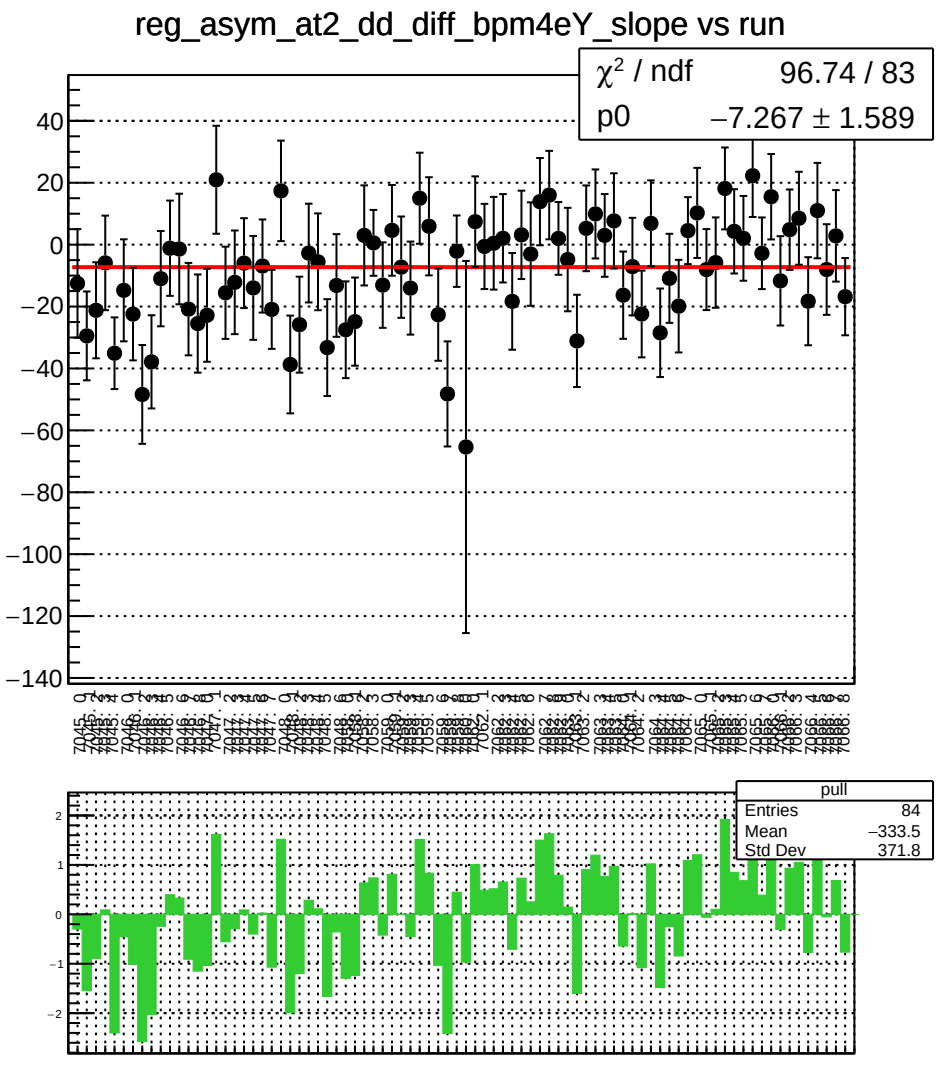

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 96.76 / 83
p0 44.64 ± 2.108
pull
Entries 84
Mean −6.584
Std Dev 62.78
pull1D
Entries 84
Mean −0.04693
Std Dev 1.072

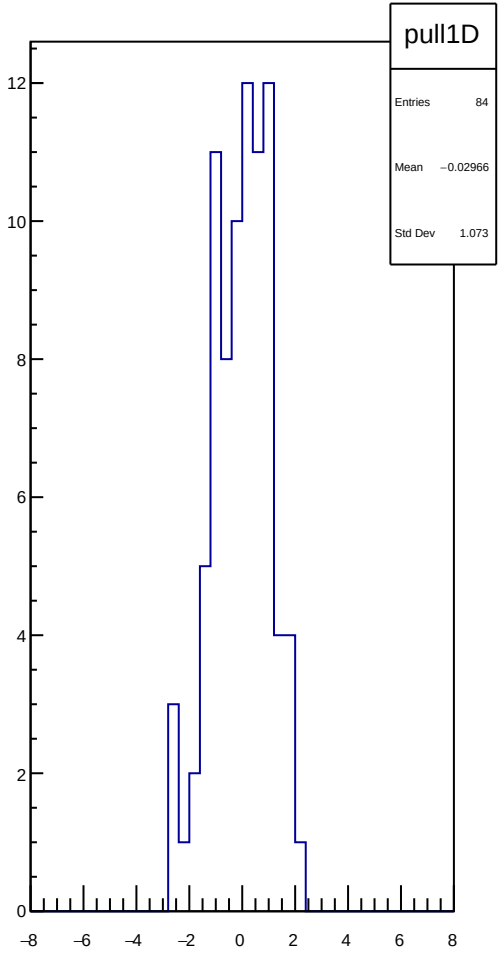

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.3 / 83
p0 −2.879 ± 1.49
pull
Entries 84
Mean −380.7
Std Dev 417.7

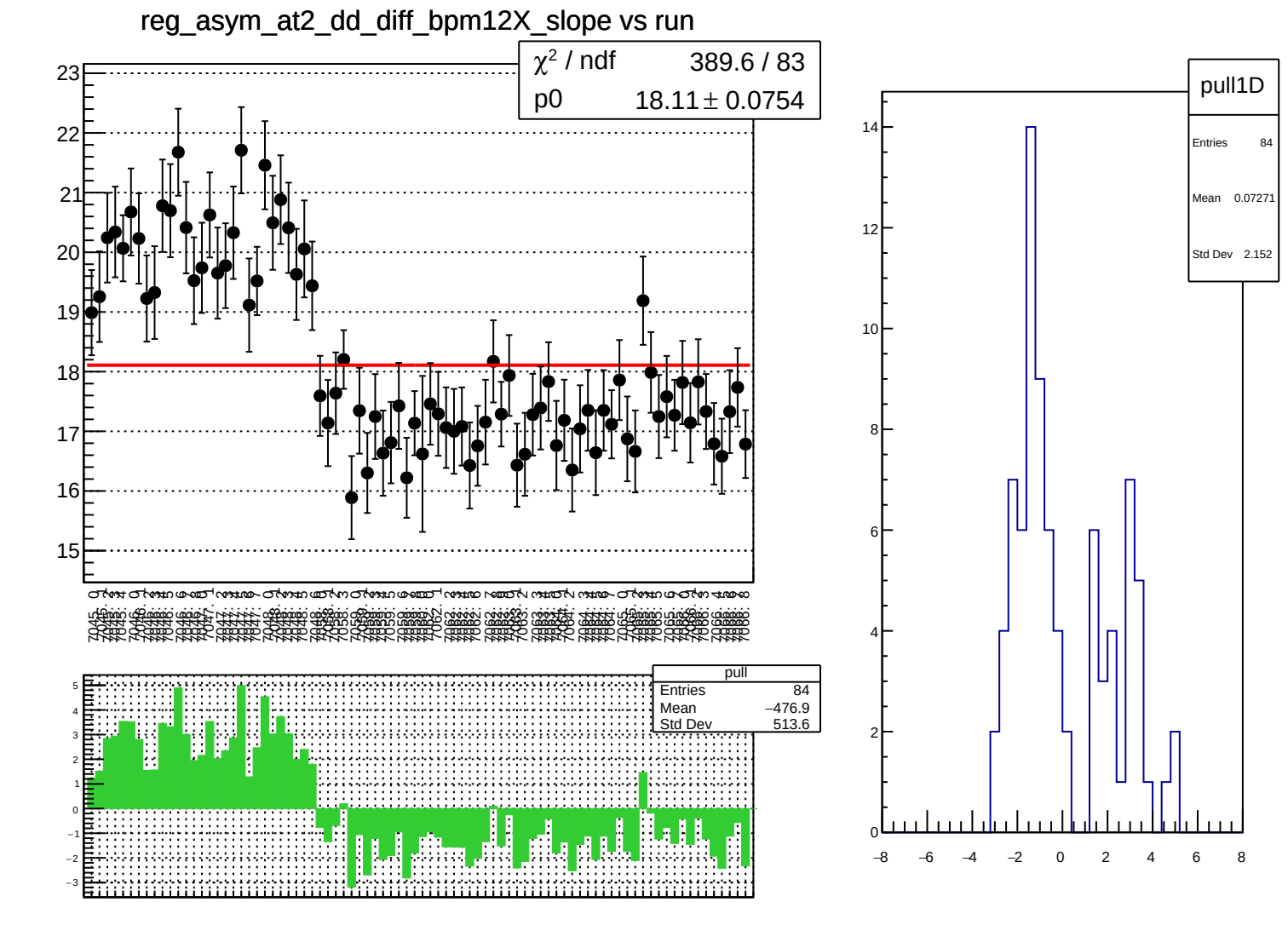

pull1D
Entries 84
Mean 0.02469
Std Dev 1.092

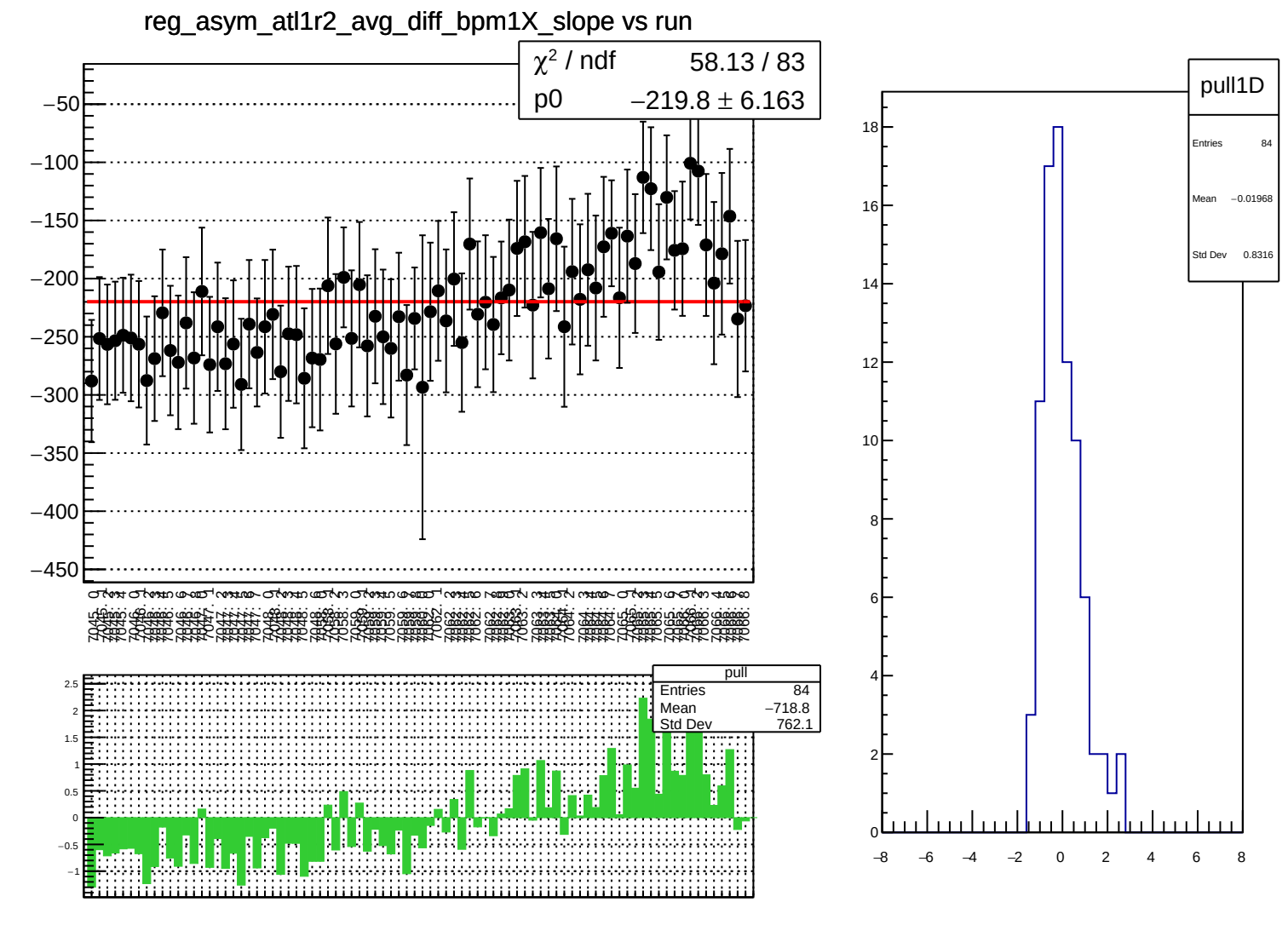

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.91 / 83
p0 40.91 ± 2.017
pull
Entries 84
Mean −19.94
Std Dev 71.25

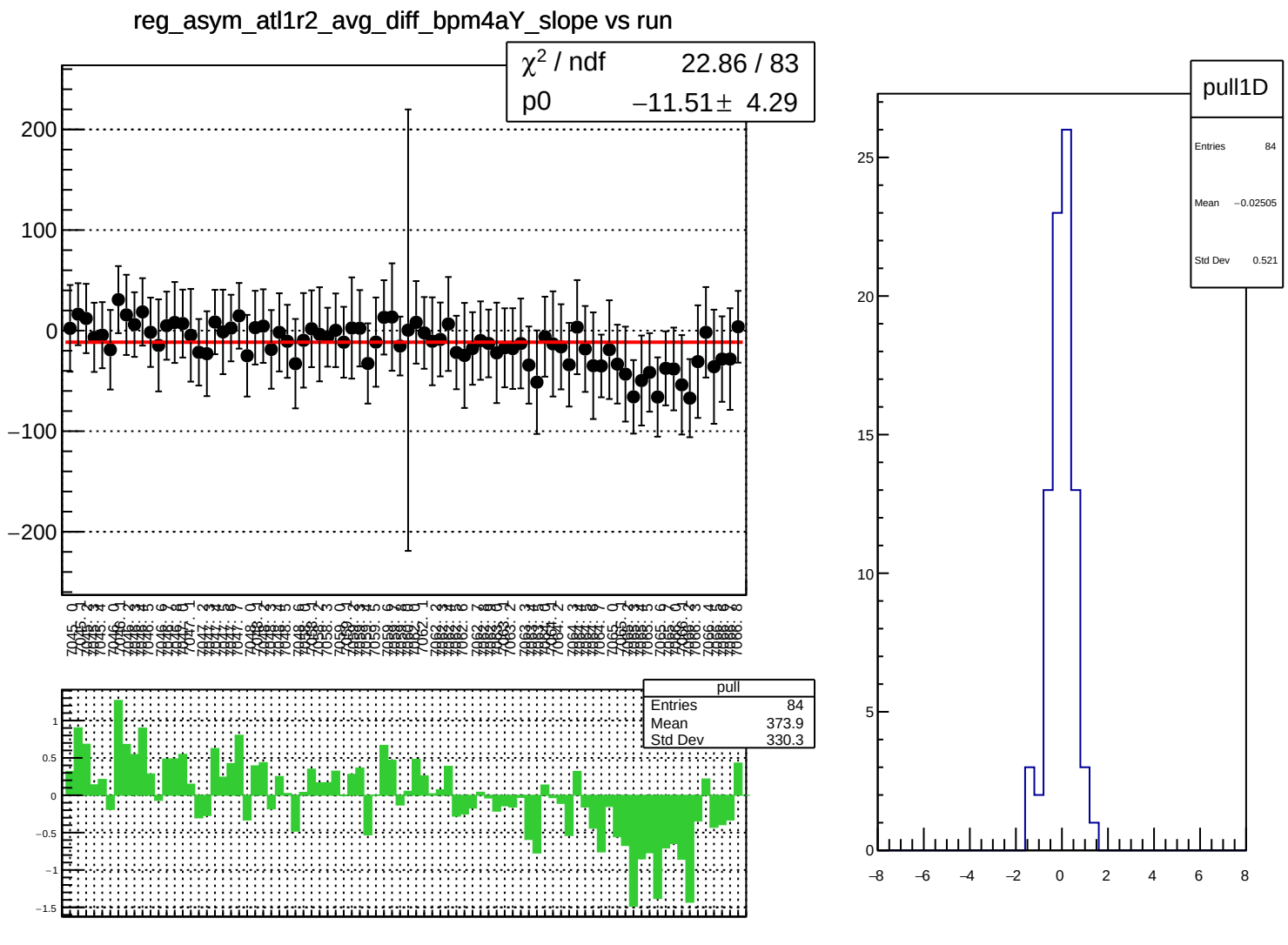

pull1D
Entries 84
Mean 0.05241
Std Dev 1.056

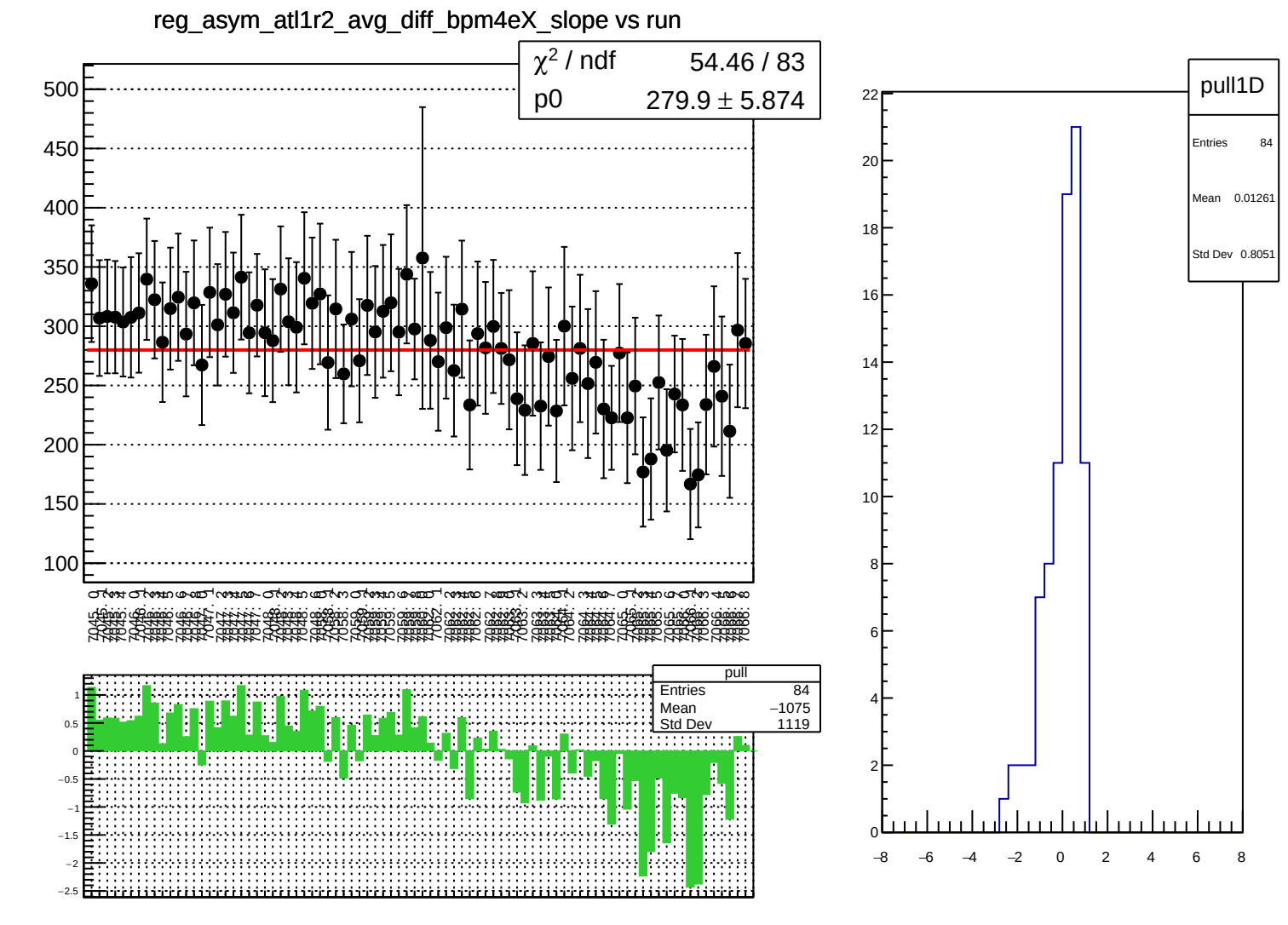

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 96.74 / 83
p0 −7.267 ± 1.589
pull
Entries 84
Mean −333.5
Std Dev 371.8

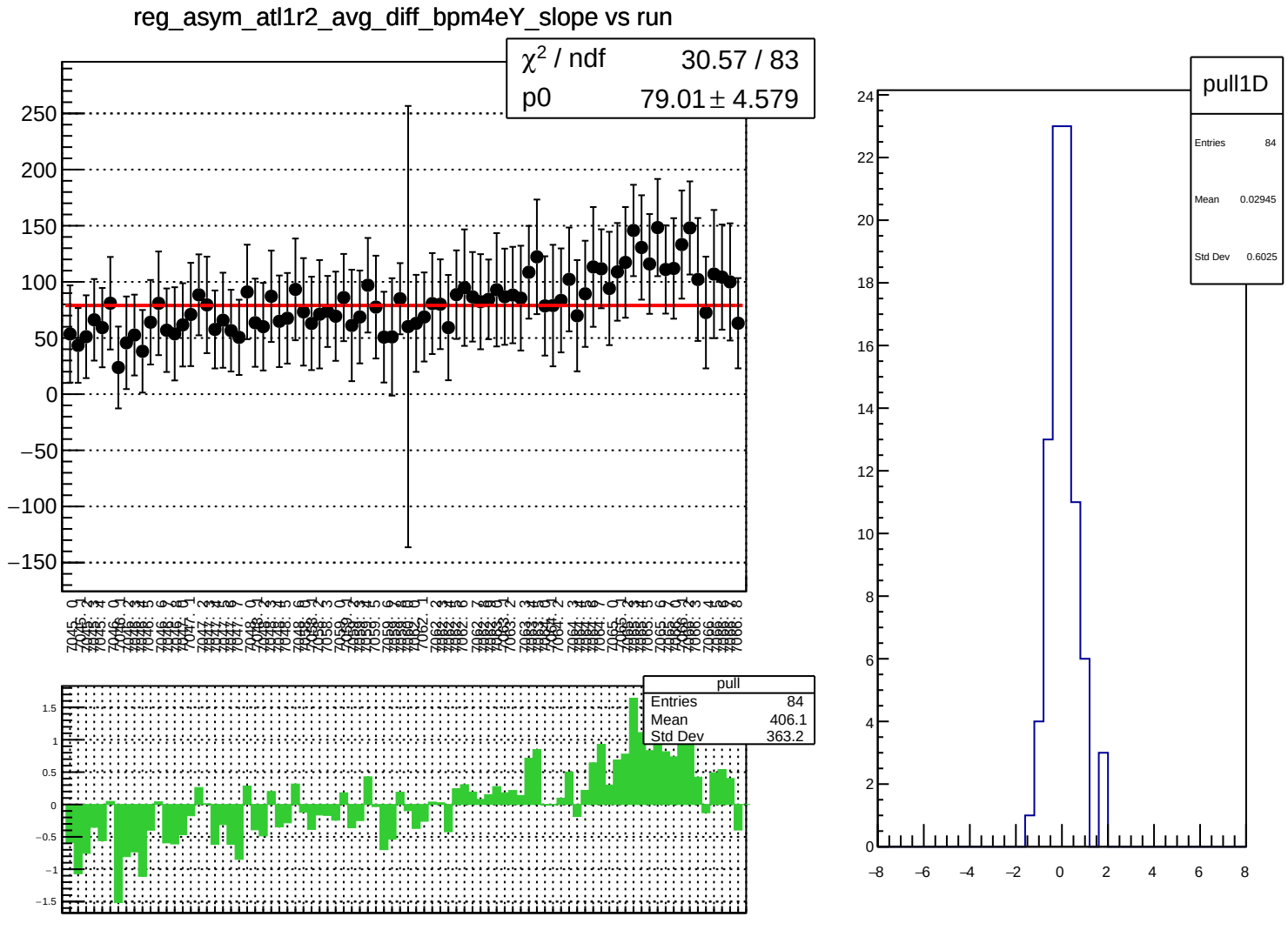

pull1D
Entries 84
Mean −0.02966
Std Dev 1.073

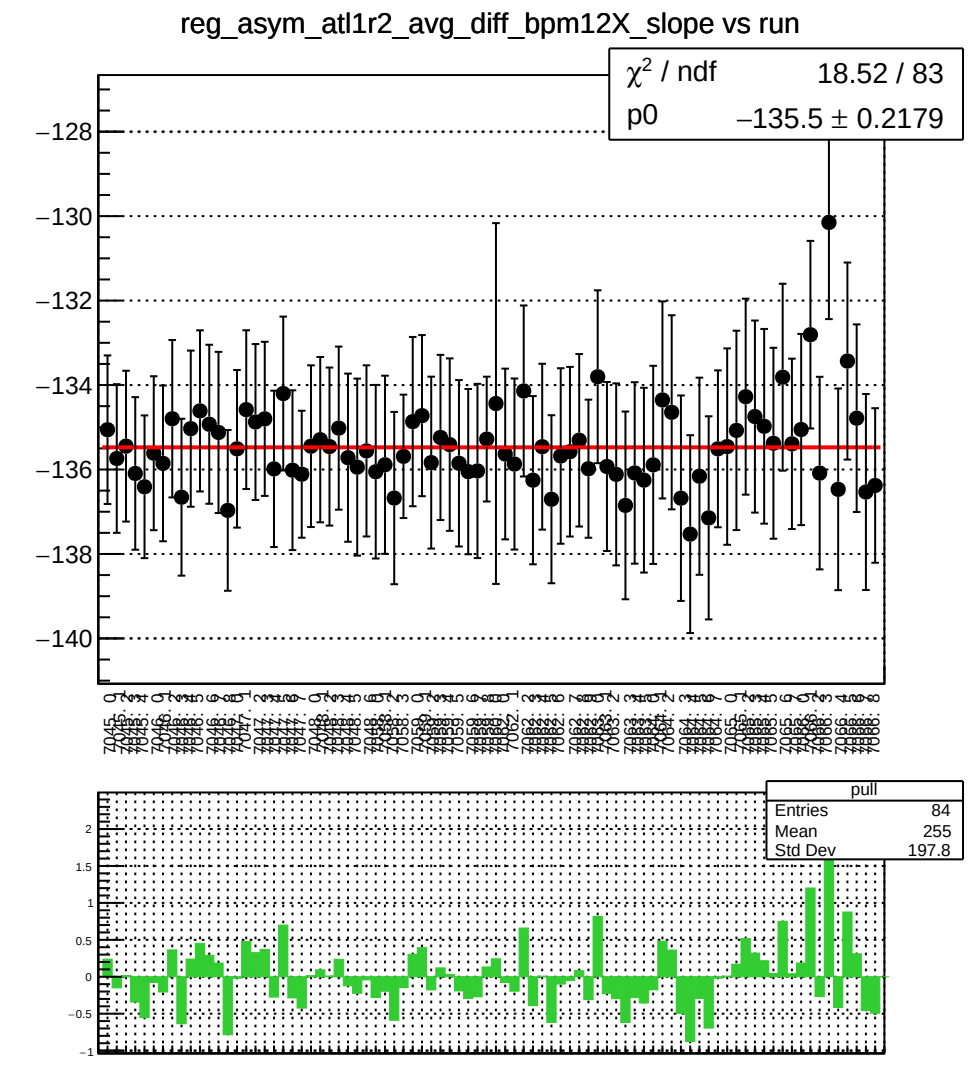

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 389.6 / 83
p0 18.11 ± 0.0754
pull
Entries 84
Mean −476.9
Std Dev 513.6
pull1D
Entries 84
Mean 0.07271
Std Dev 2.152

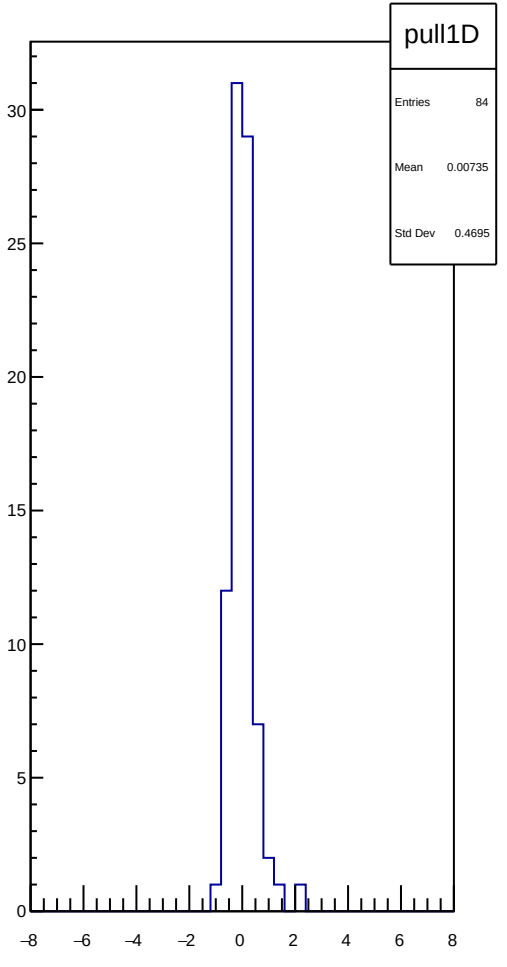

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 58.13 / 83
p0 −219.8 ± 6.163
pull
Entries 84
Mean −718.8
Std Dev 762.1
pull1D
Entries 84
Mean −0.01968
Std Dev 0.8316

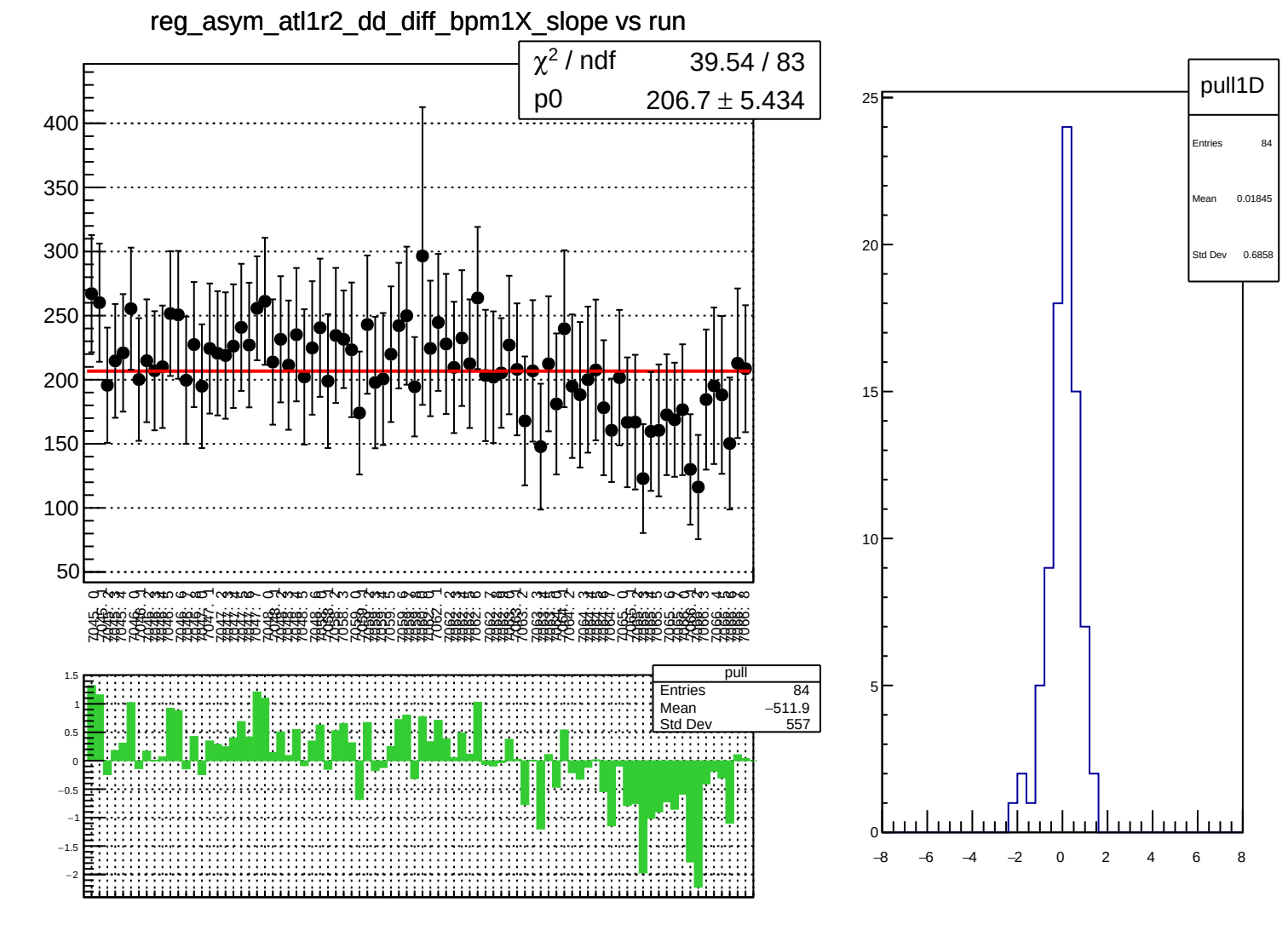

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.86 / 83
p0 −11.51± 4.29
200
100
0
−100
−200
pull
Entries 84
Mean 373.9
Std Dev 330.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.02505
Std Dev 0.521
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

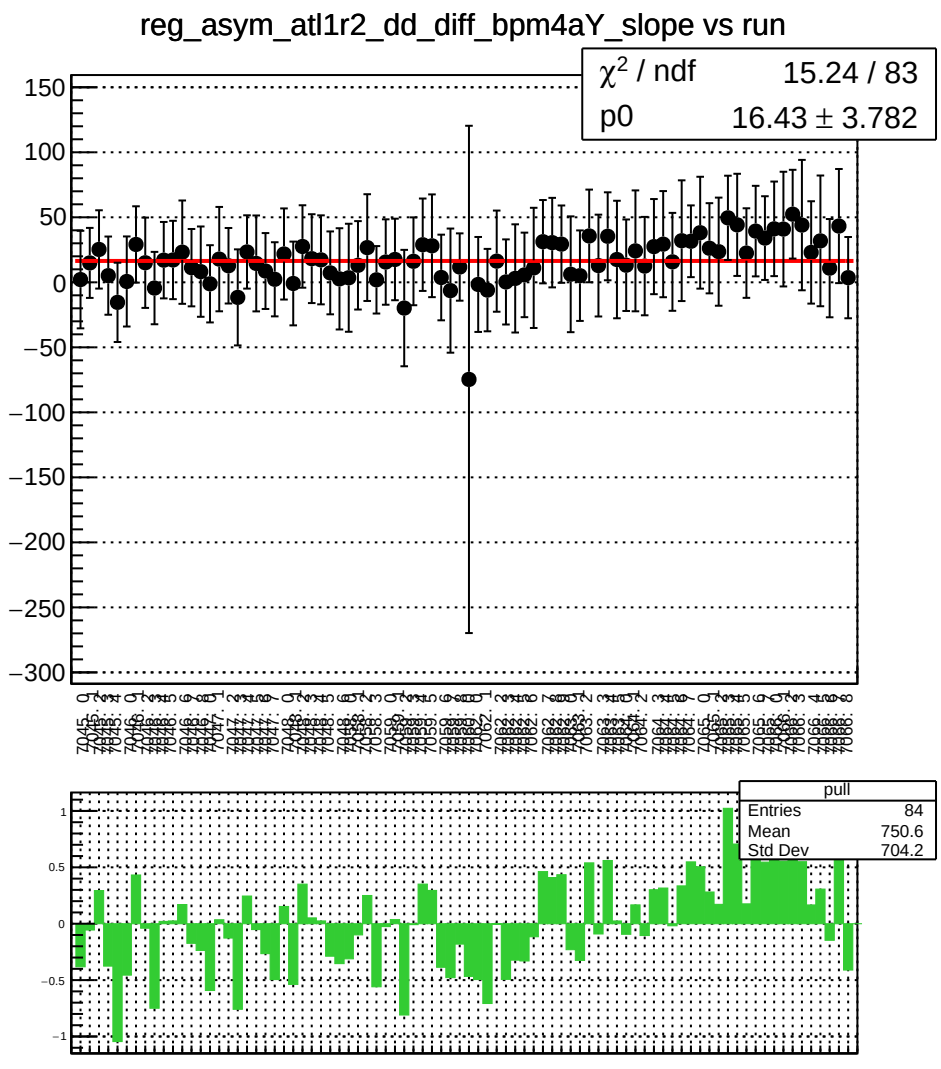

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.46 / 83
p0 279.9 ± 5.874
pull
Entries 84
Mean −1075
Std Dev 1119
pull1D
Entries 84
Mean 0.01261
Std Dev 0.8051

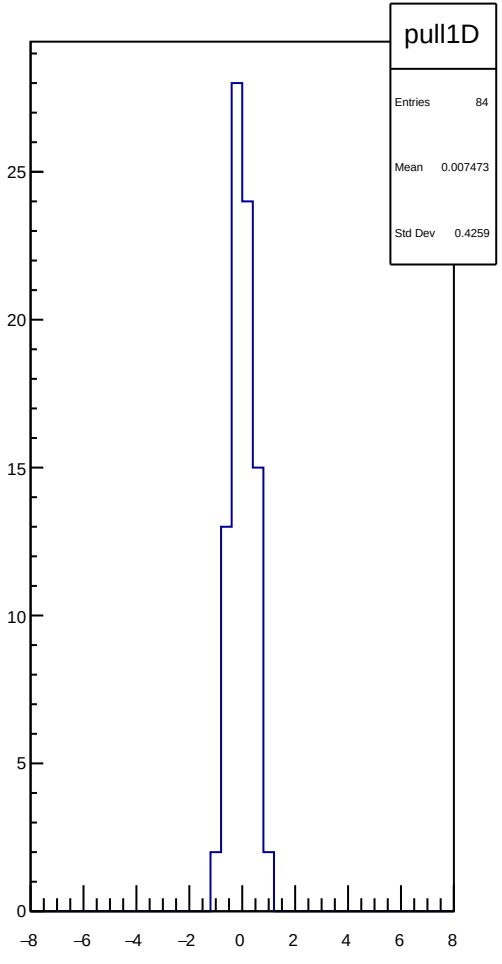

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.57 / 83
p0 79.01 ± 4.579
pull
Entries 84
Mean 406.1
Std Dev 363.2
pull1D
Entries 84
Mean 0.02945
Std Dev 0.6025

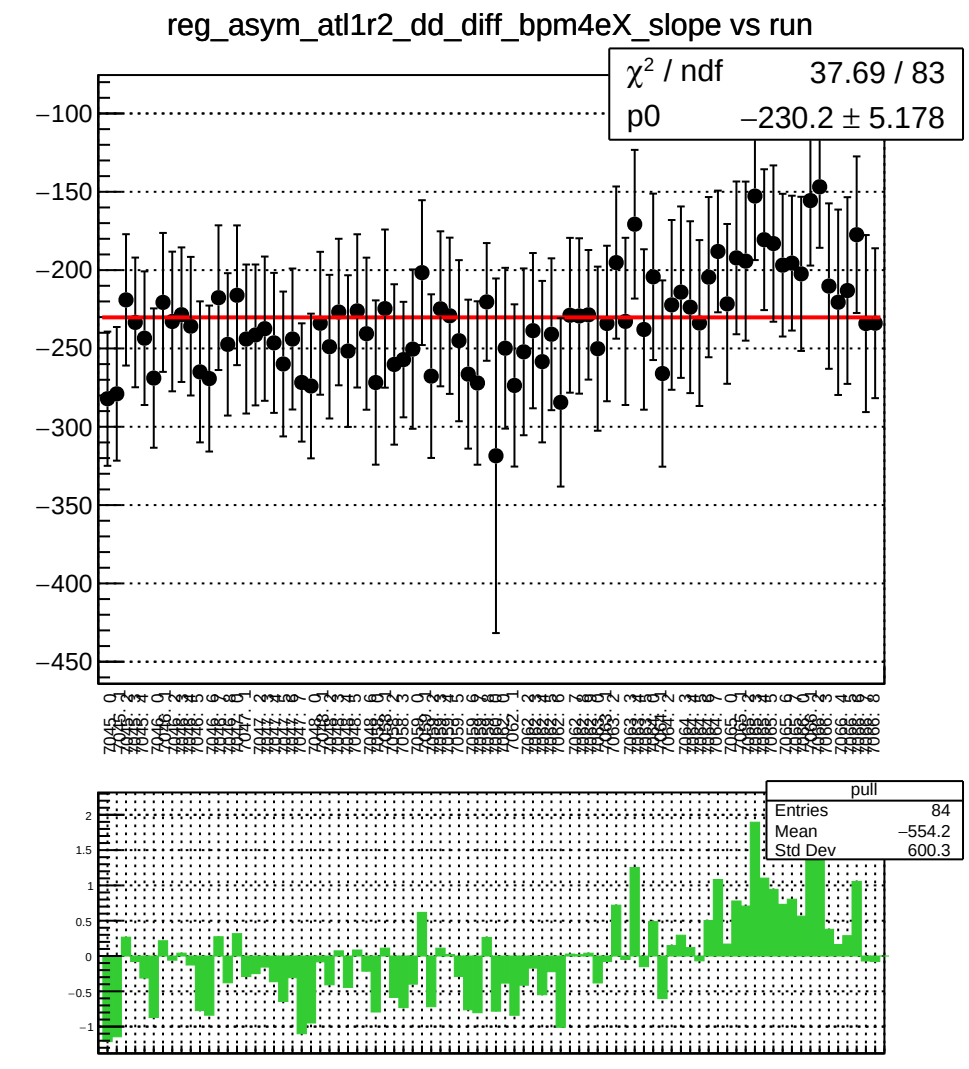

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 18.52 / 83
p0 −135.5 ± 0.2179
−128
−130
−132
−134
−136
−138
−140
pull
Entries 84
Mean 255
Std Dev 197.8
2
1.5
1
0.5
0
−0.5
−1

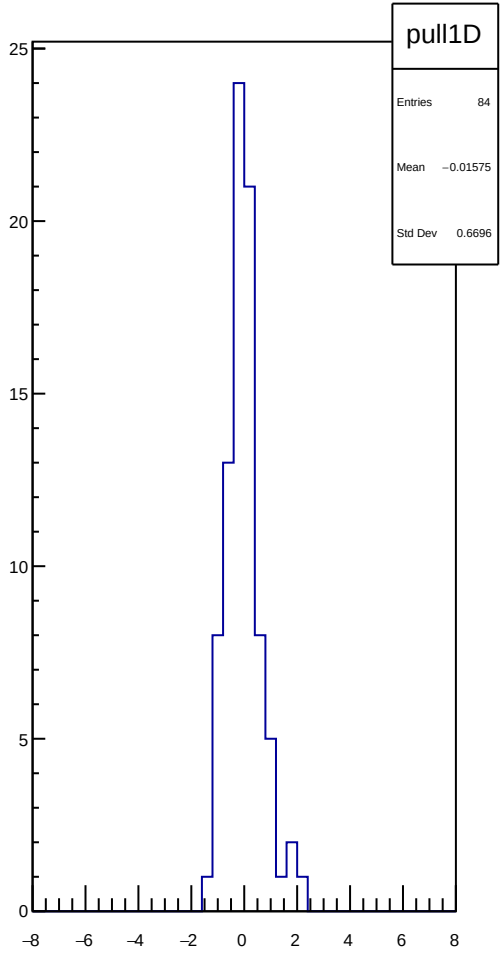

pull1D
Entries 84
Mean 0.00735
Std Dev 0.4695
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

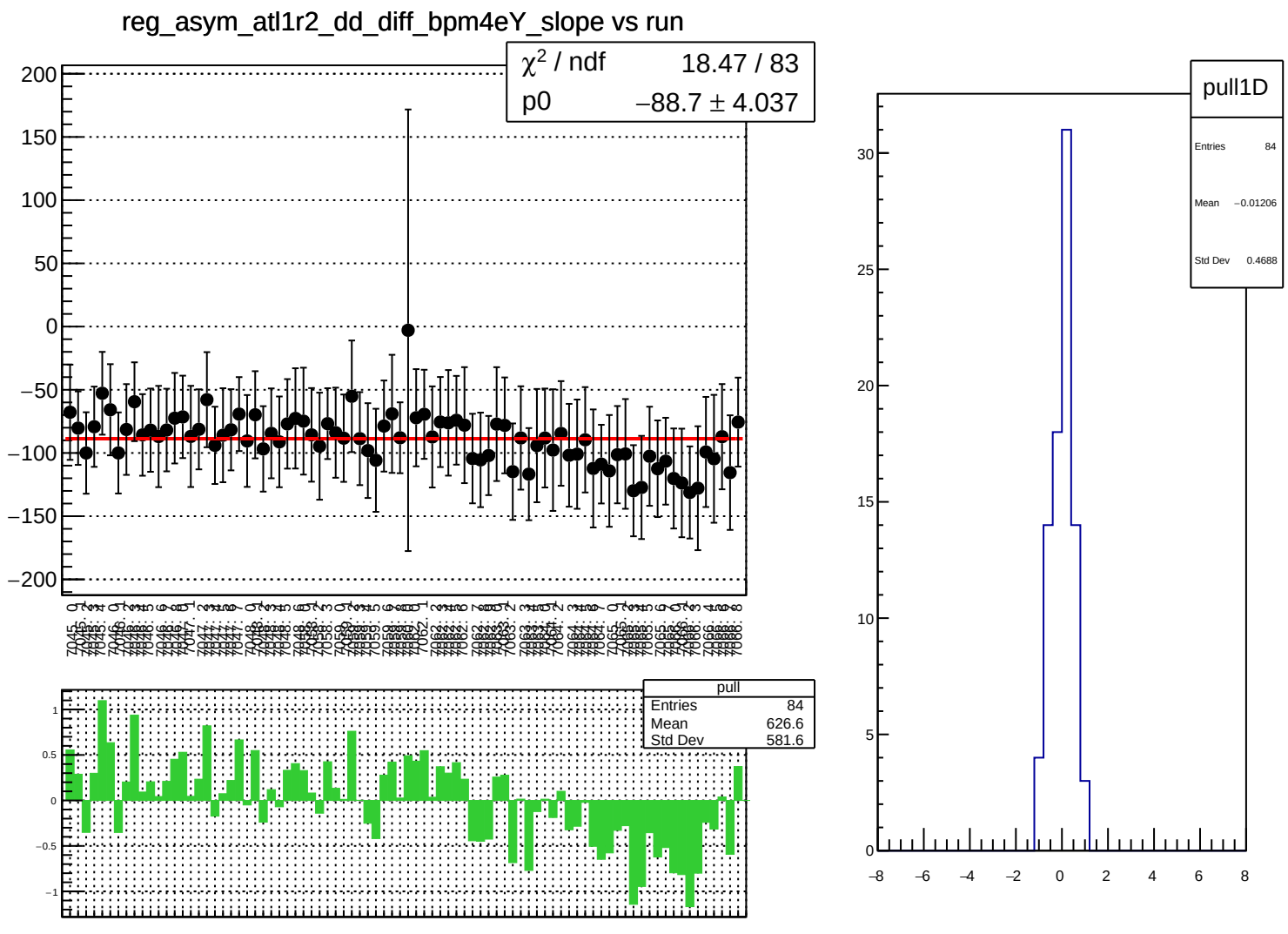

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 39.54 / 83
p0 206.7 ± 5.434
pull
Entries 84
Mean −511.9
Std Dev 557
pull1D
Entries 84
Mean 0.01845
Std Dev 0.6858

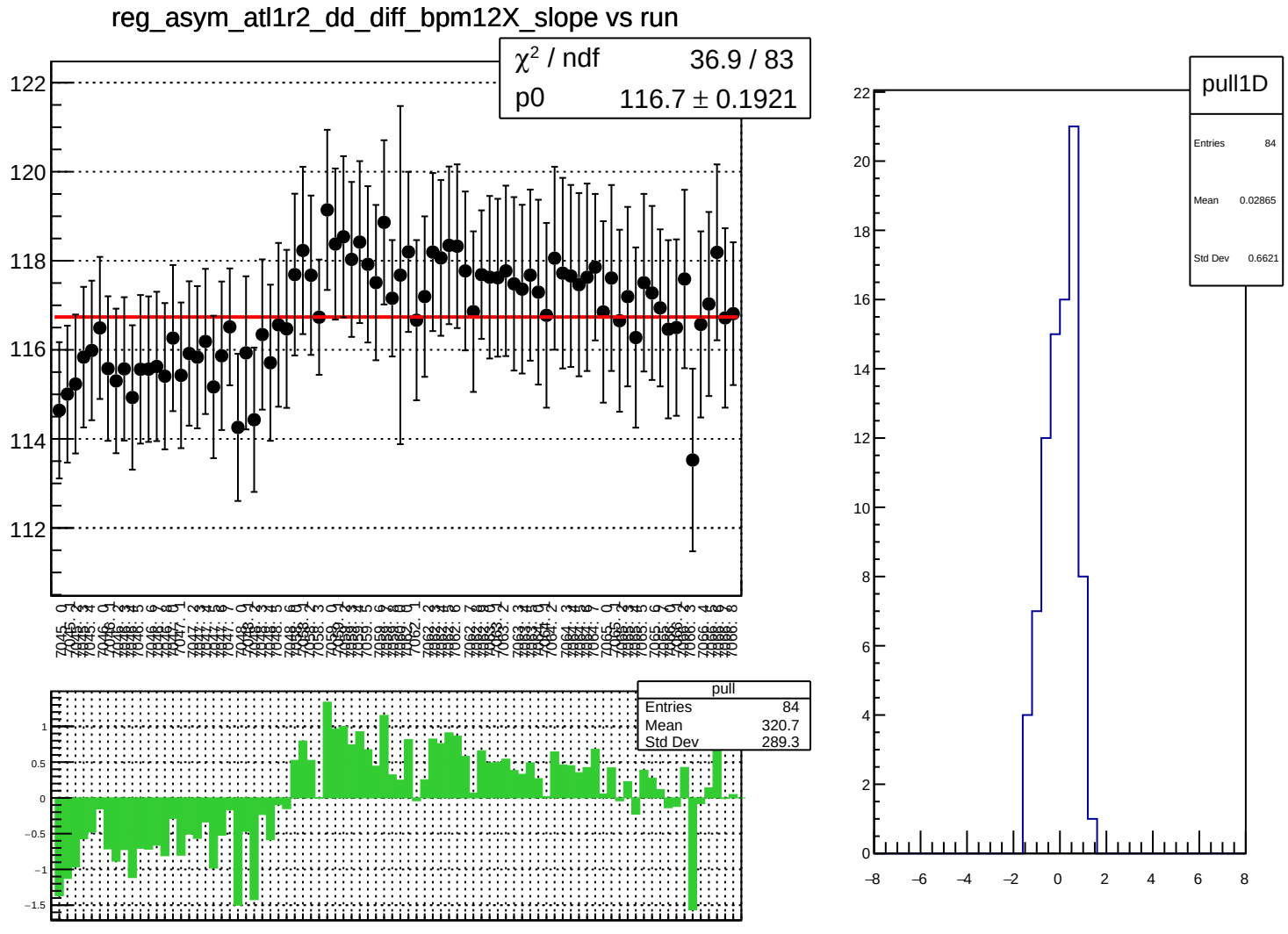

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.24 / 83
p0 16.43 ± 3.782
pull
Entries 84
Mean 750.6
Std Dev 704.2

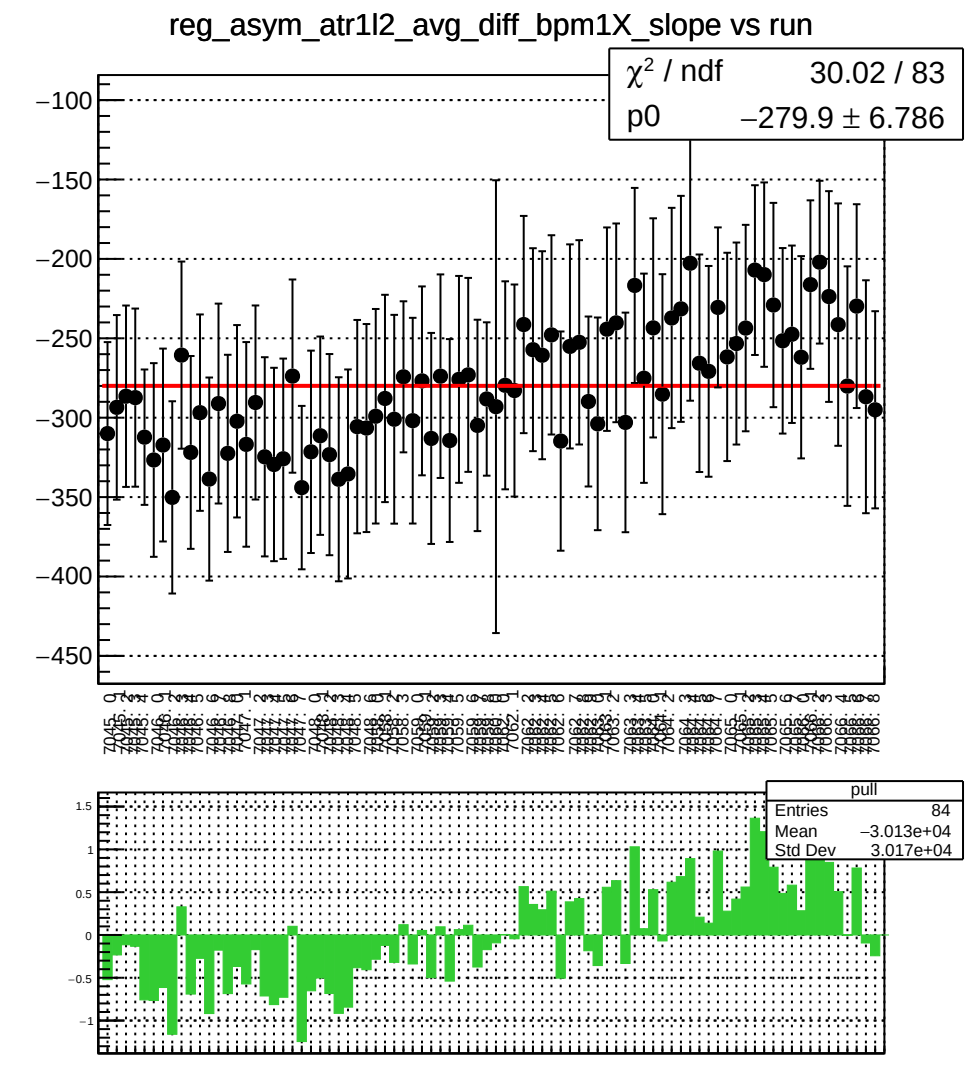

pull1D
Entries 84
Mean 0.007473
Std Dev 0.4259

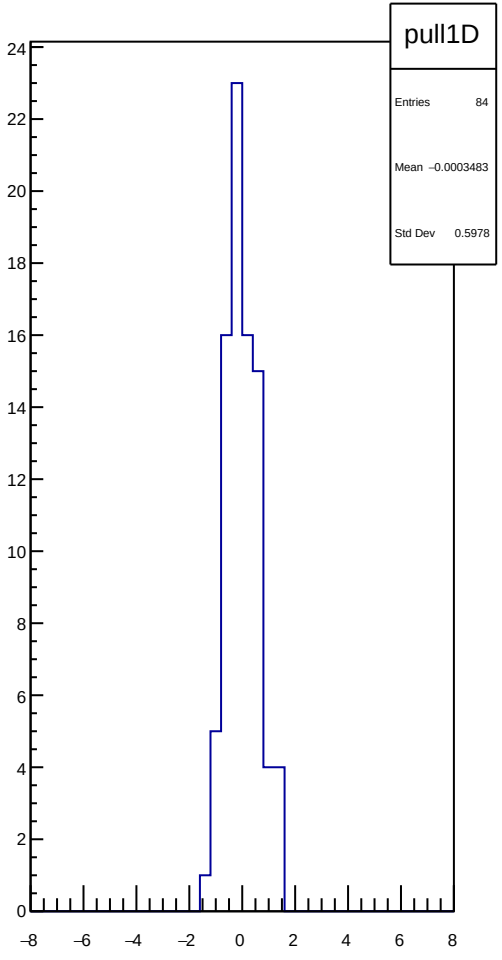

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.69 / 83
p0 −230.2 ± 5.178
pull
Entries 84
Mean −554.2
Std Dev 600.3

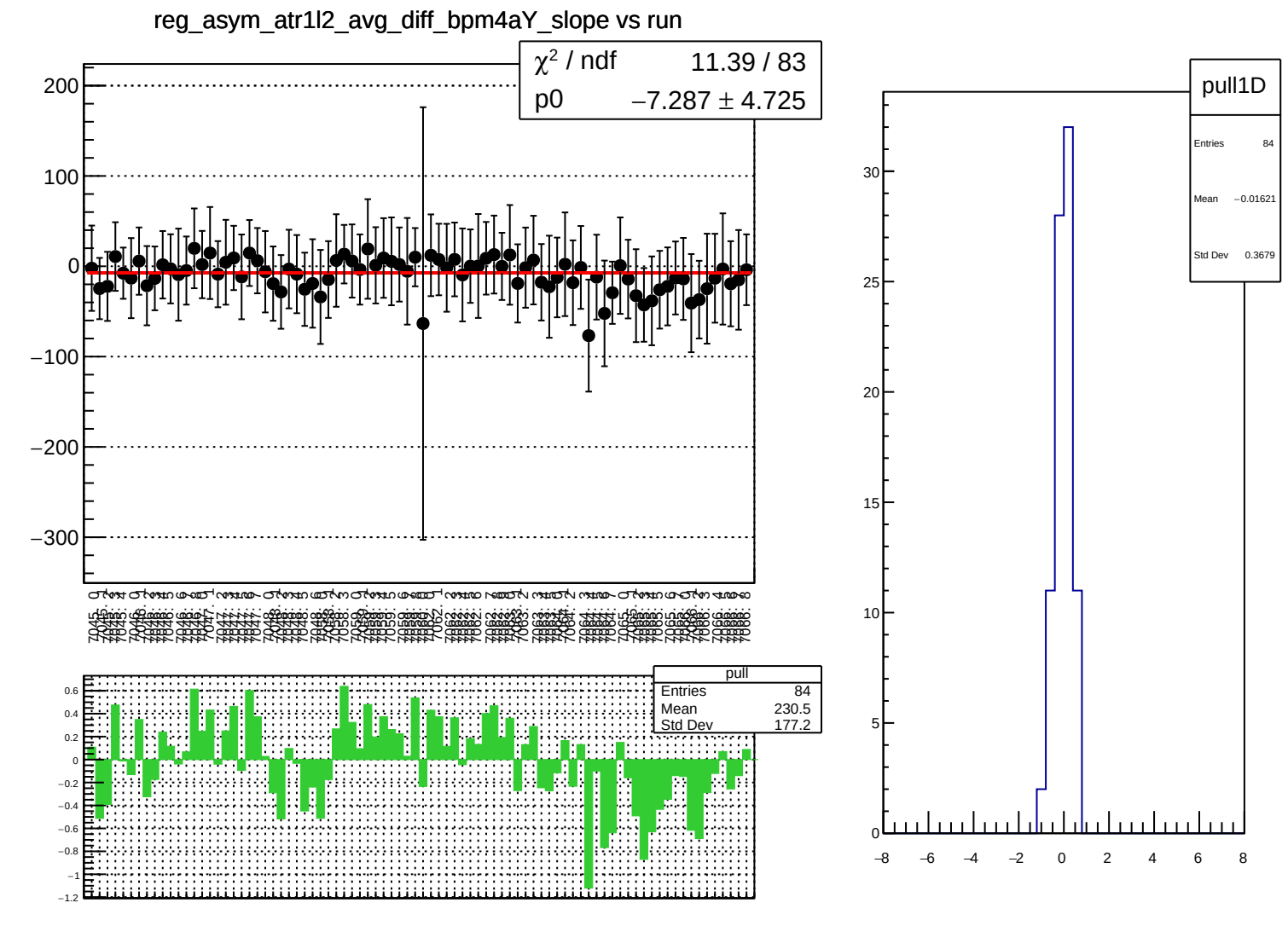

pull1D
Entries 84
Mean −0.01575
Std Dev 0.6696

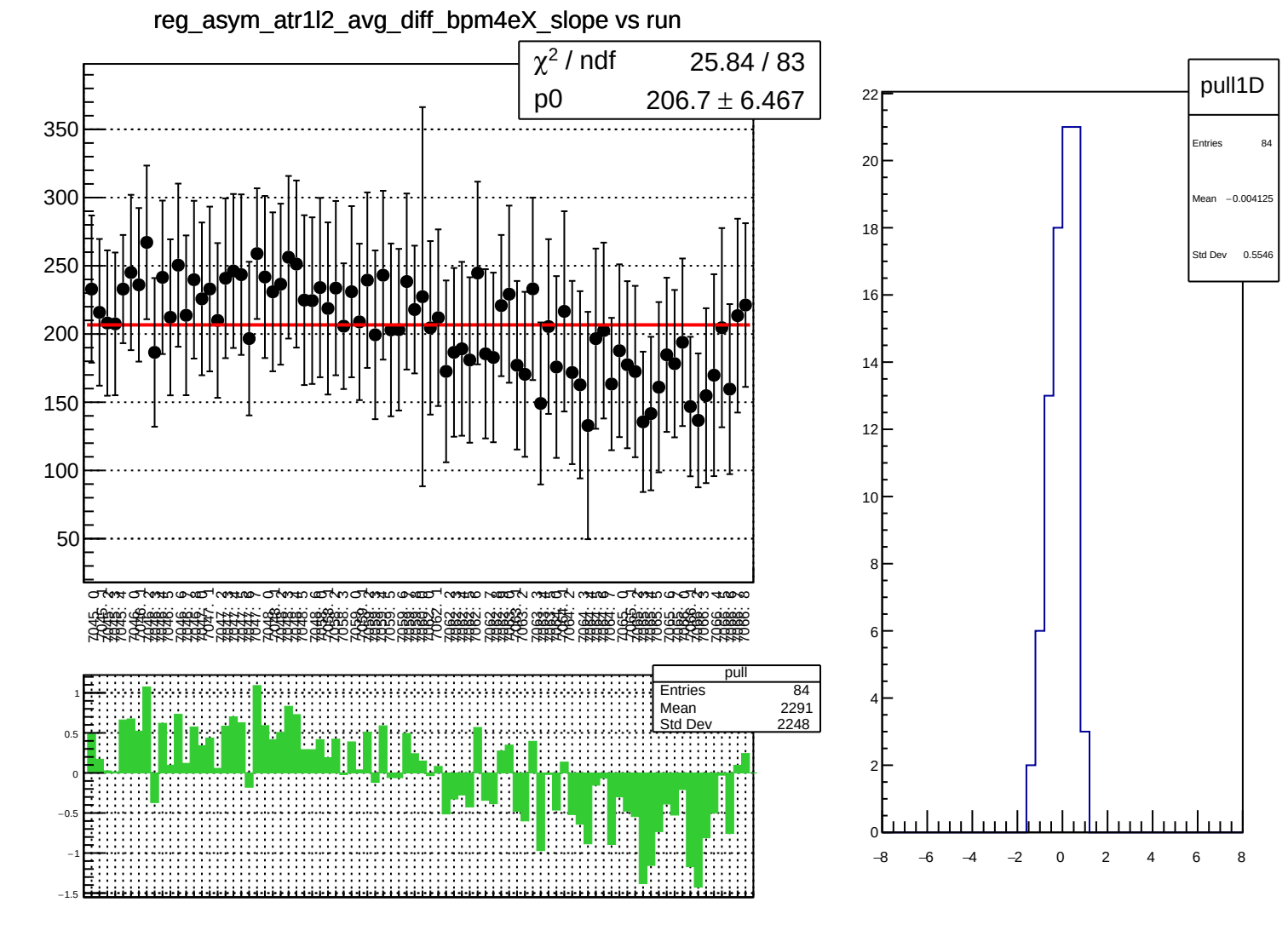

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.47 / 83
p0 −88.7 ± 4.037
pull
Entries 84
Mean 626.6
Std Dev 581.6
pull1D
Entries 84
Mean −0.01206
Std Dev 0.4688

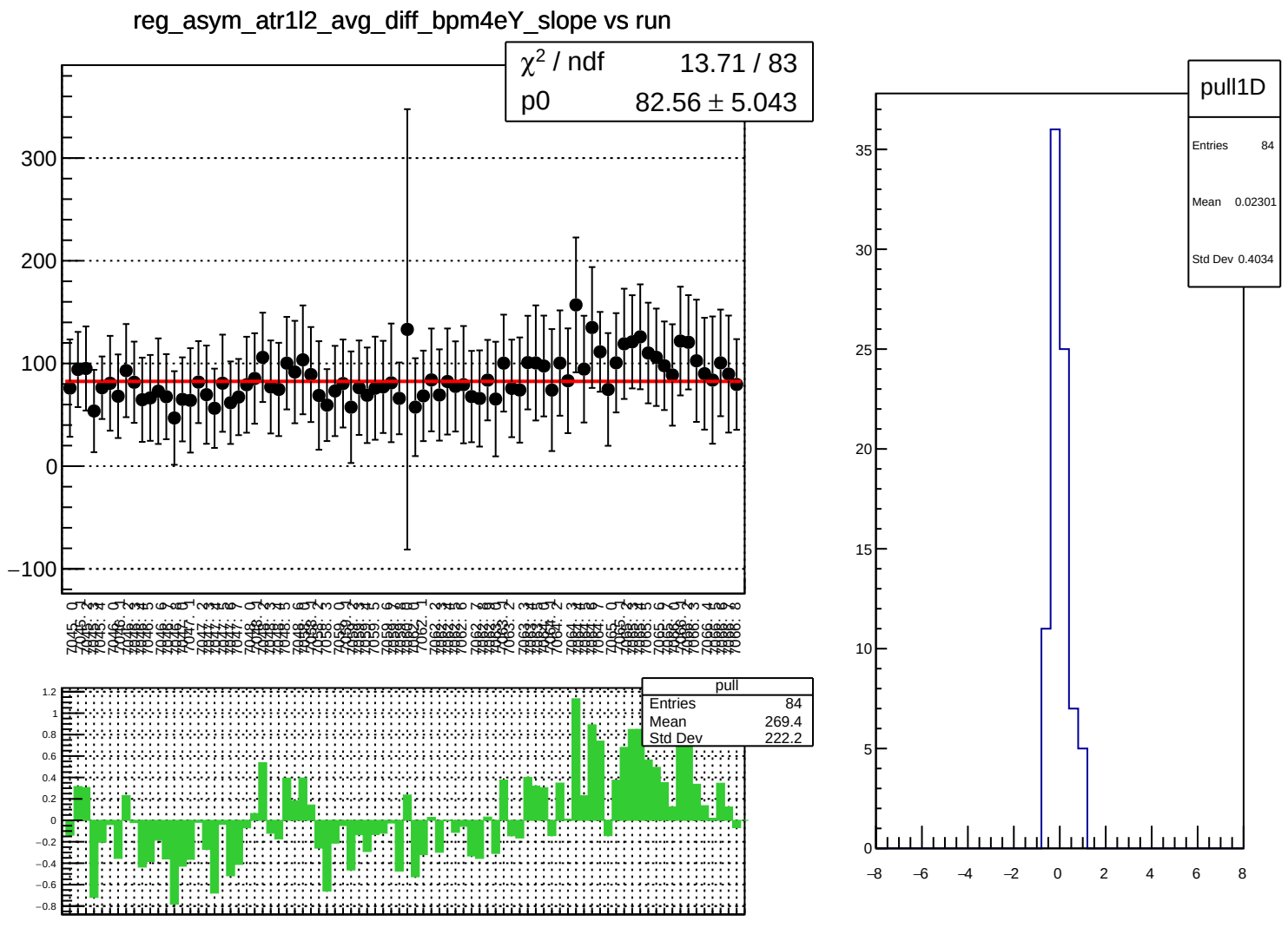

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 36.9 / 83
p0 116.7 ± 0.1921
122
120
118
116
114
112
pull
Entries 84
Mean 320.7
Std Dev 289.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.02865
Std Dev 0.6621
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

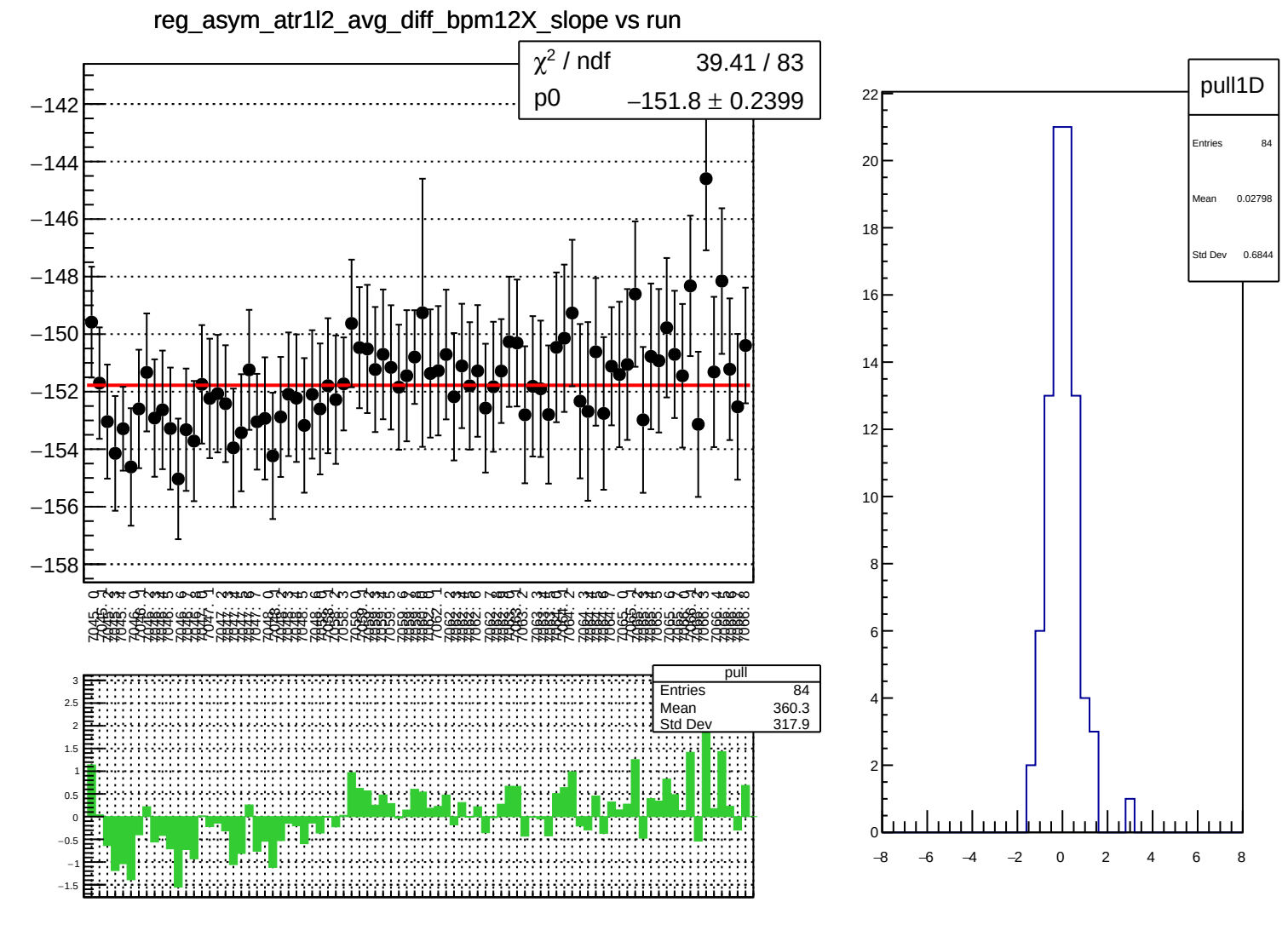

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 30.02 / 83
p0 −279.9 ± 6.786
pull
Entries 84
Mean −3.013e+04
Std Dev 3.017e+04

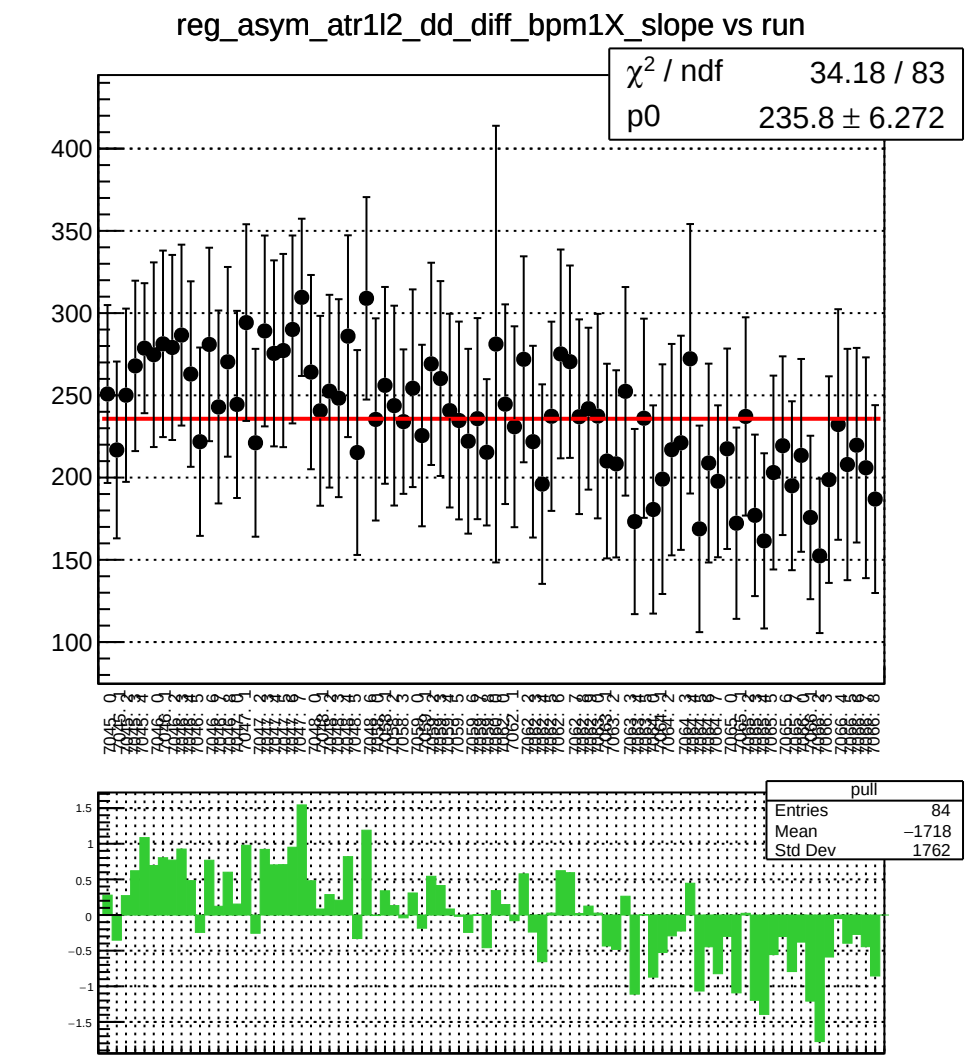

pull1D
Entries 84
Mean −0.0003483
Std Dev 0.5978

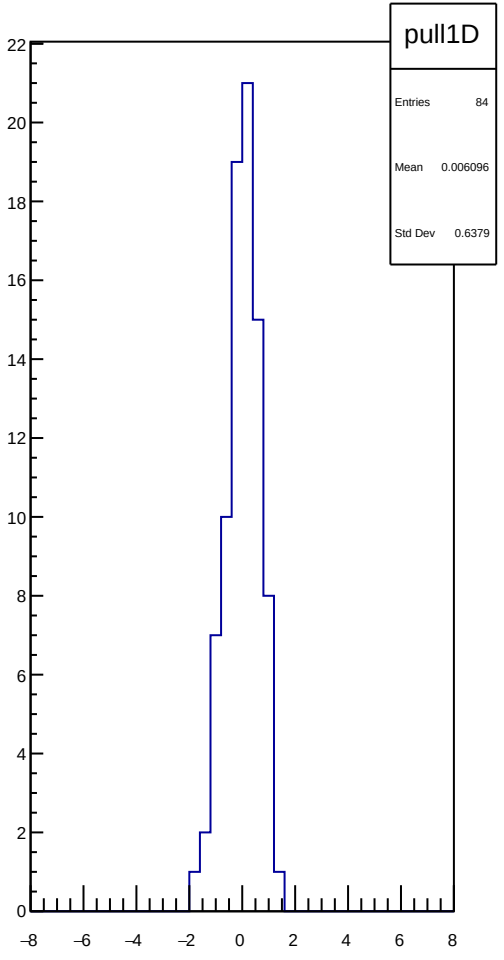

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.39 / 83
p0 −7.287 ± 4.725
pull
Entries 84
Mean 230.5
Std Dev 177.2
pull1D
Entries 84
Mean −0.01621
Std Dev 0.3679

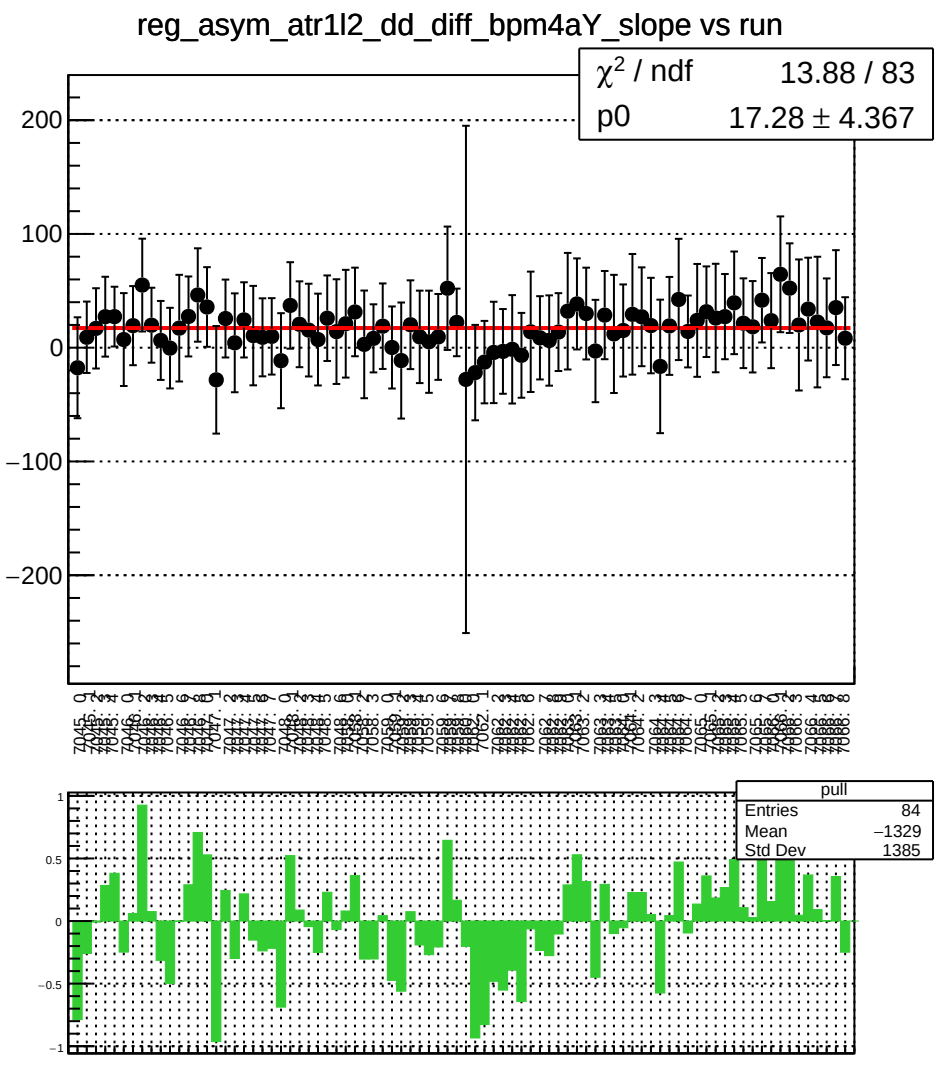

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.84 / 83
p0 206.7 ± 6.467
pull
Entries 84
Mean 2291
Std Dev 2248
pull1D
Entries 84
Mean −0.004125
Std Dev 0.5546

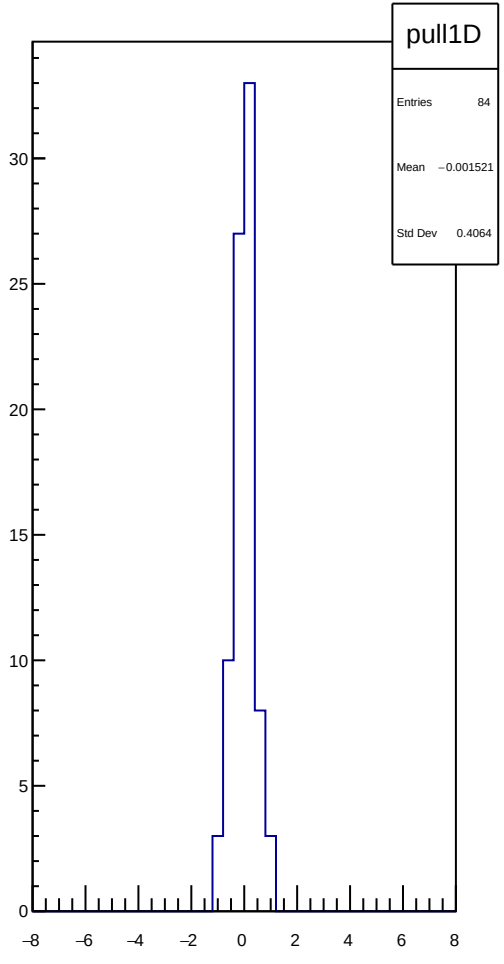

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.71 / 83
p0 82.56 ± 5.043
300
200
100
0
−100
pull
Entries 84
Mean 269.4
Std Dev 222.2
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 84
Mean 0.02301
Std Dev 0.4034
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

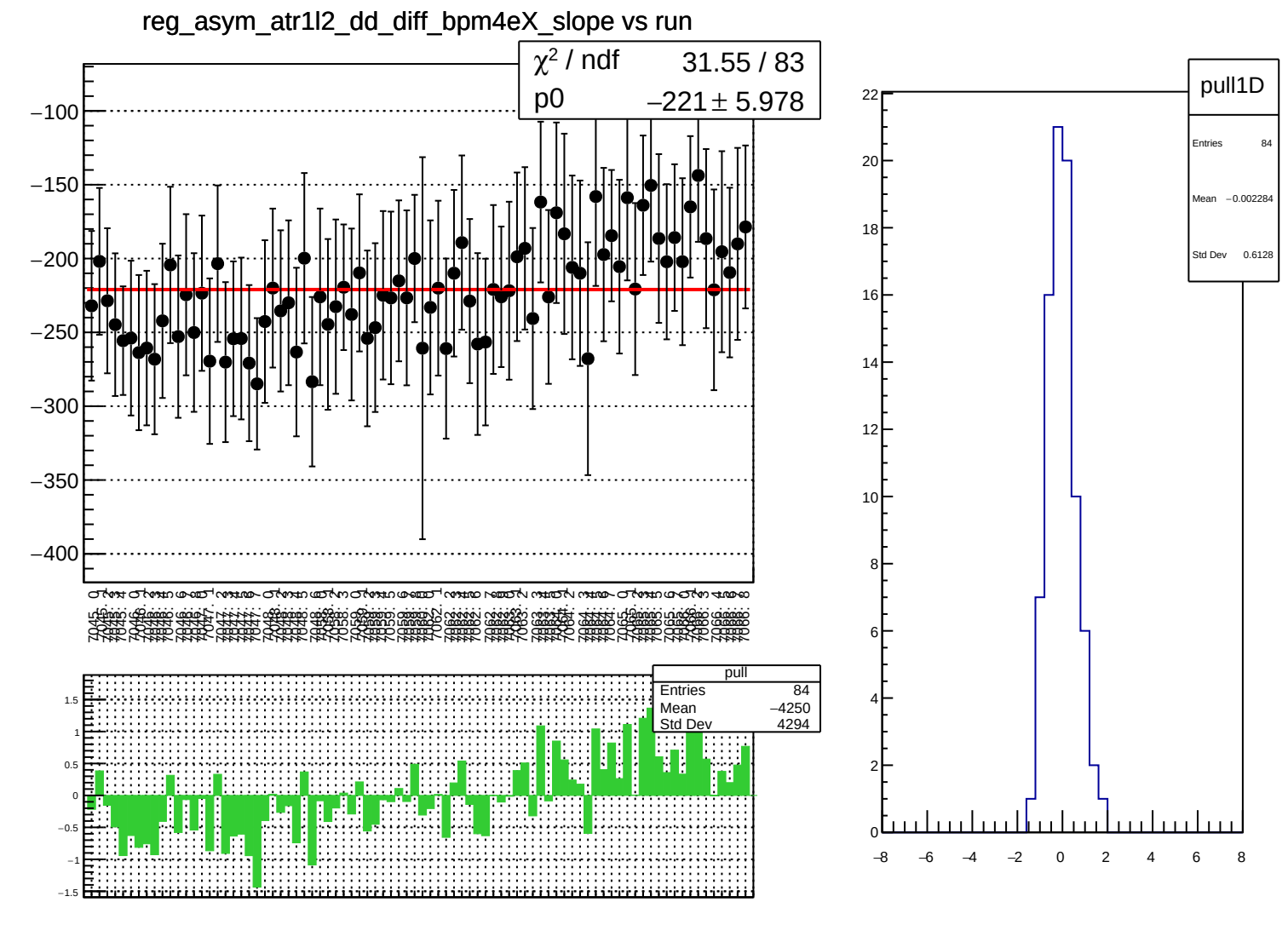

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 39.41 / 83
p0 −151.8 ± 0.2399
pull
Entries 84
Mean 360.3
Std Dev 317.9
pull1D
Entries 84
Mean 0.02798
Std Dev 0.6844

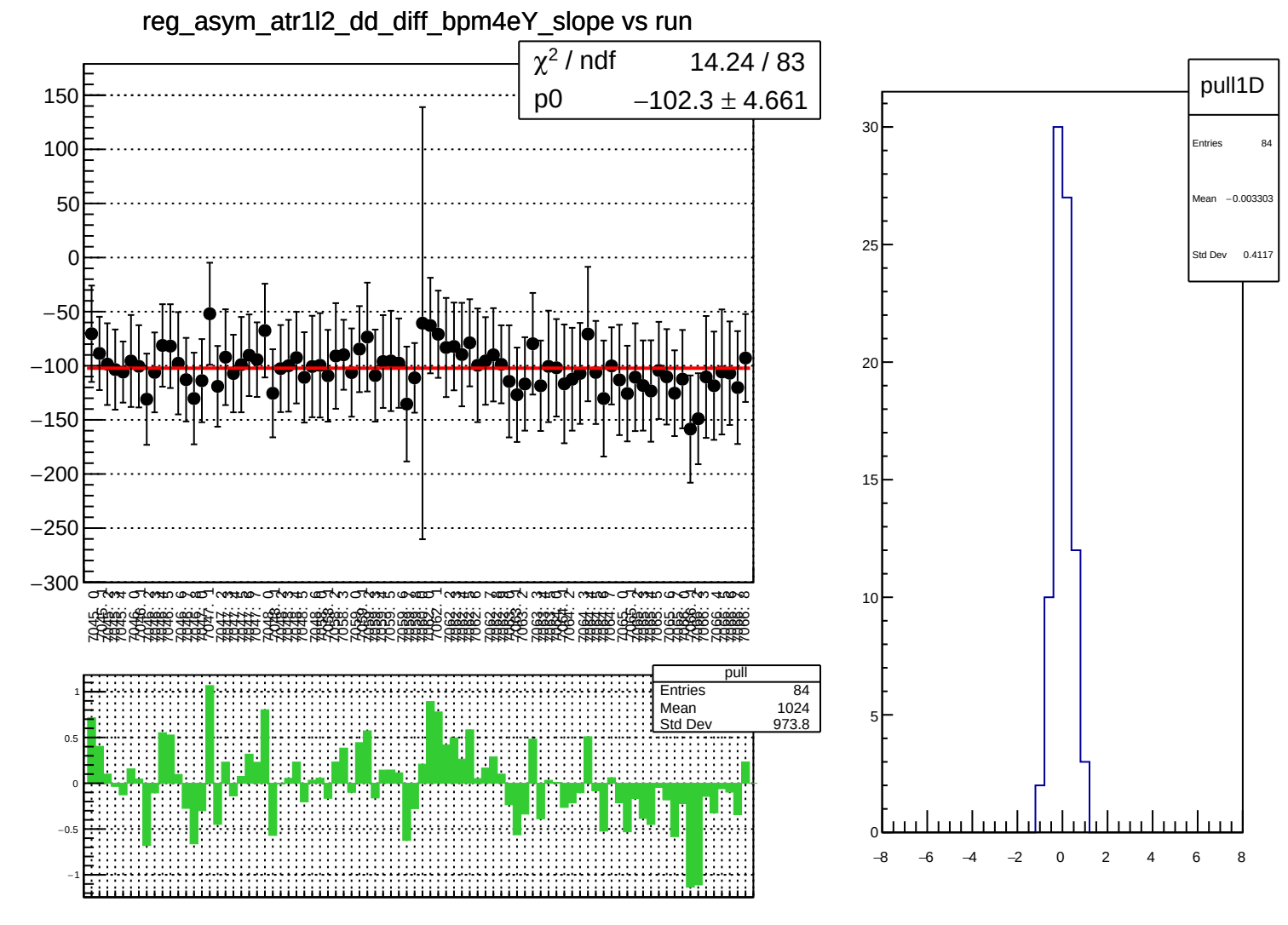

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 34.18 / 83
p0 235.8 ± 6.272
pull
Entries 84
Mean −1718
Std Dev 1762

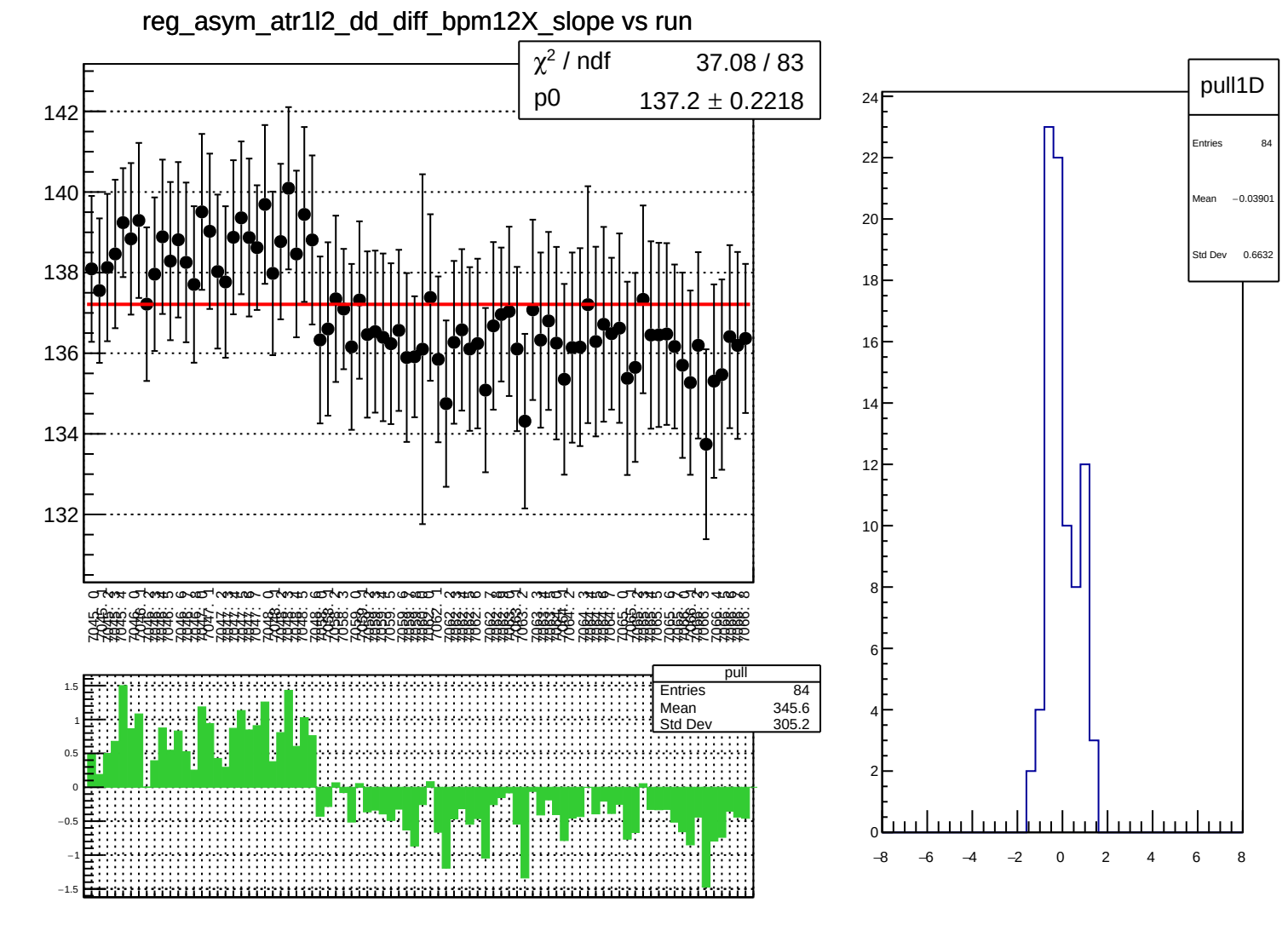

pull1D
Entries 84
Mean 0.006096
Std Dev 0.6379

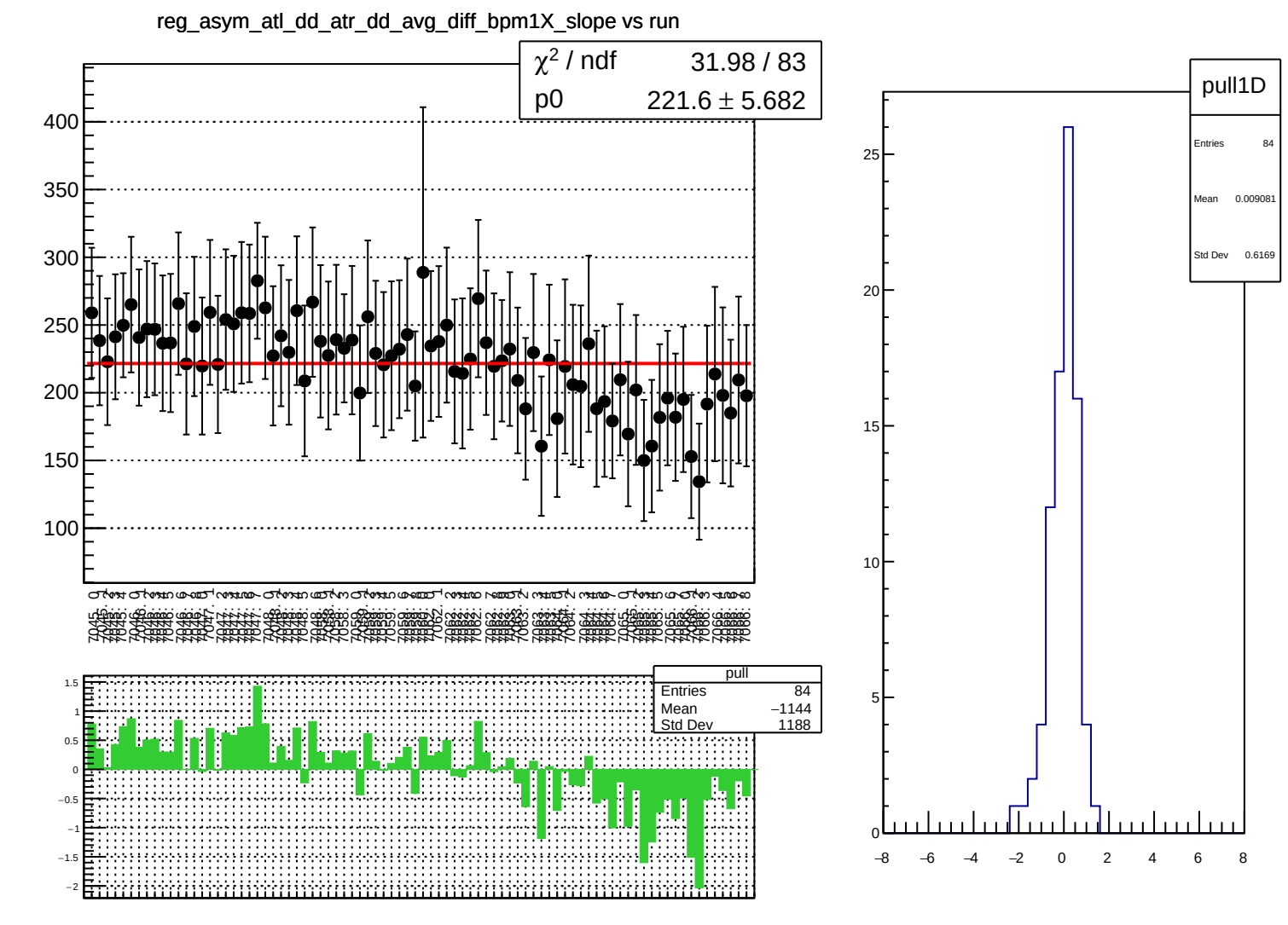

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.88 / 83
p0 17.28 ± 4.367
200
100
0
−100
−200
pull
Entries 84
Mean −1329
Std Dev 1385
1
0.5
0
−0.5
−1

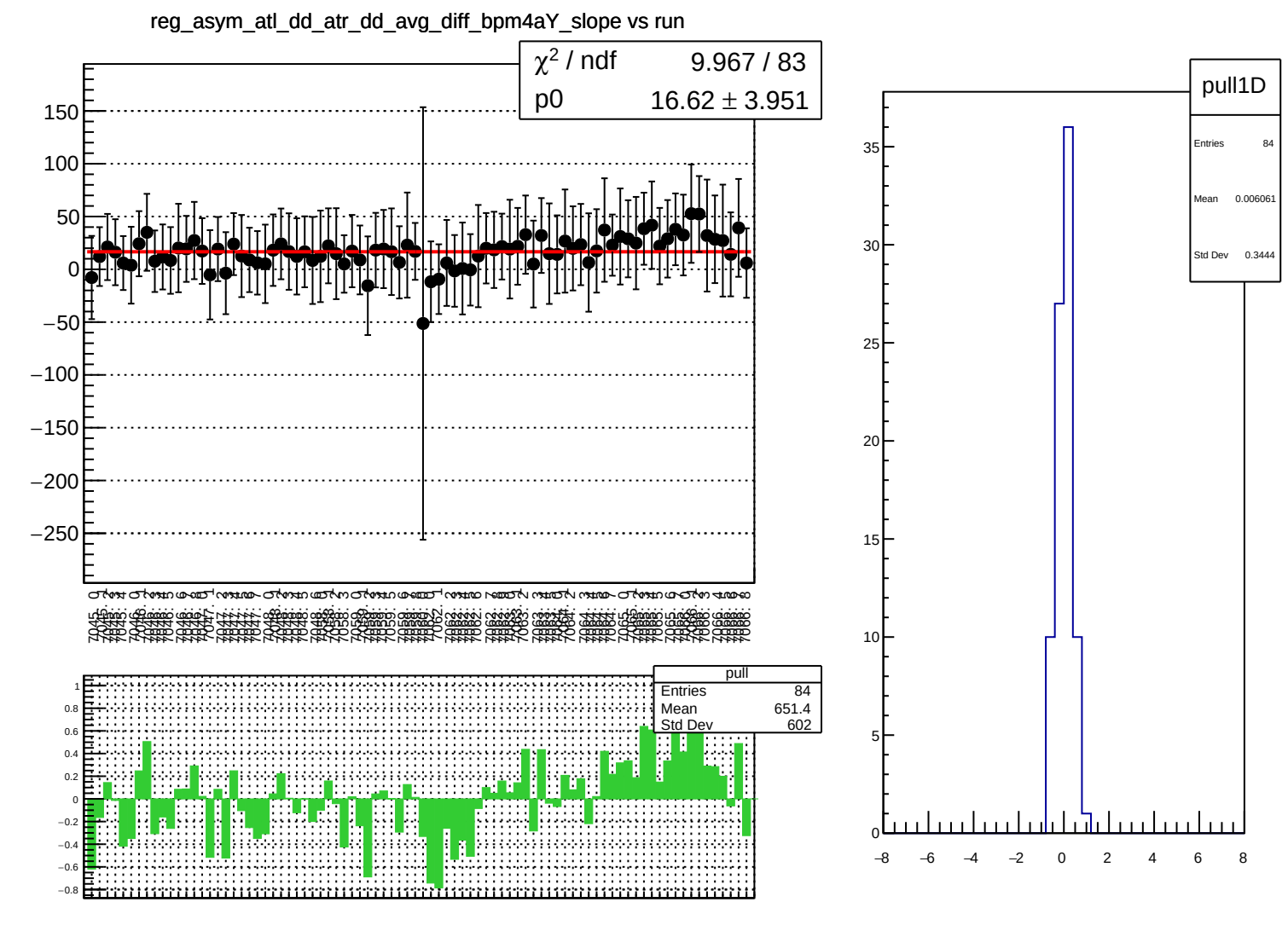

pull1D
Entries 84
Mean −0.001521
Std Dev 0.4064
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

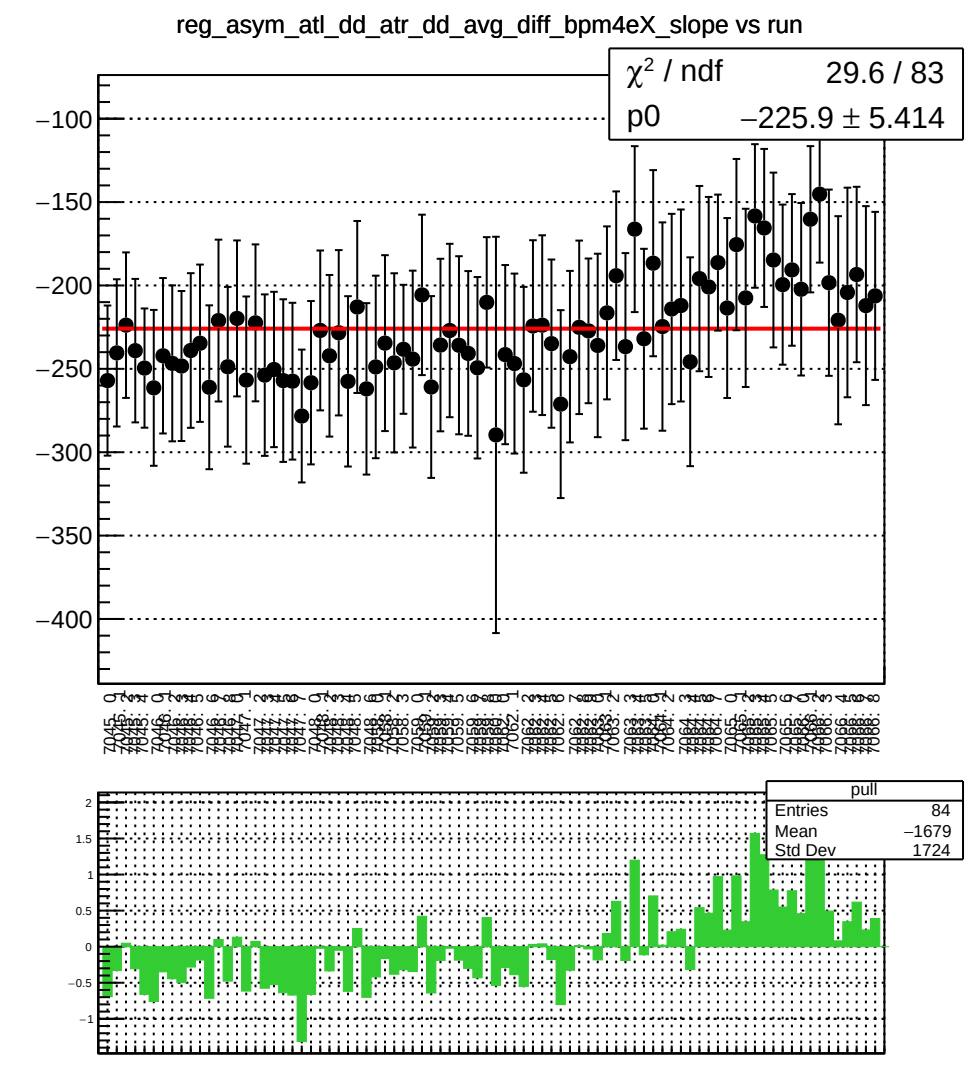

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.55 / 83
p0 −221 ± 5.978
−100
−150
−200
−250
−300
−350
−400
pull
Entries 84
Mean −4250
Std Dev 4294
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.002284
Std Dev 0.6128
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

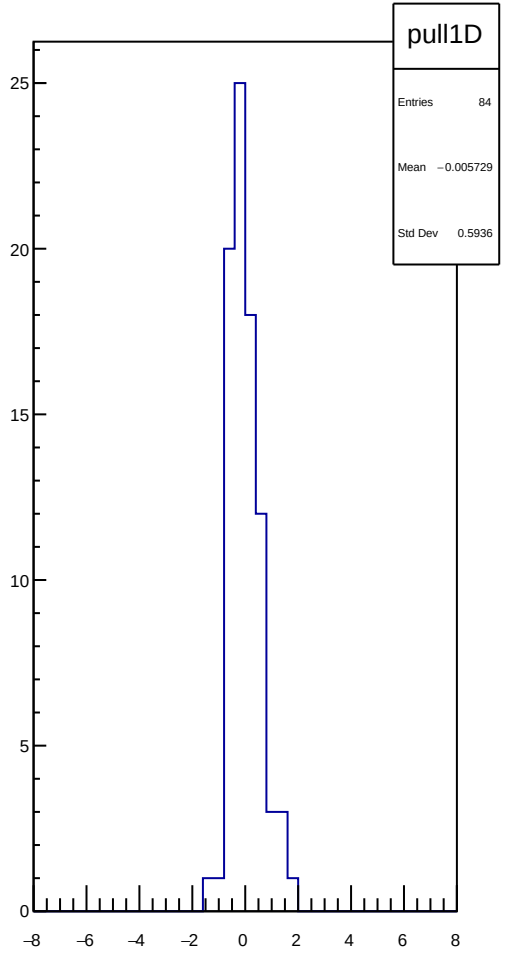

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.24 / 83
p0 −102.3 ± 4.661
150
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 84
Mean 1024
Std Dev 973.8
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.003303
Std Dev 0.4117
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

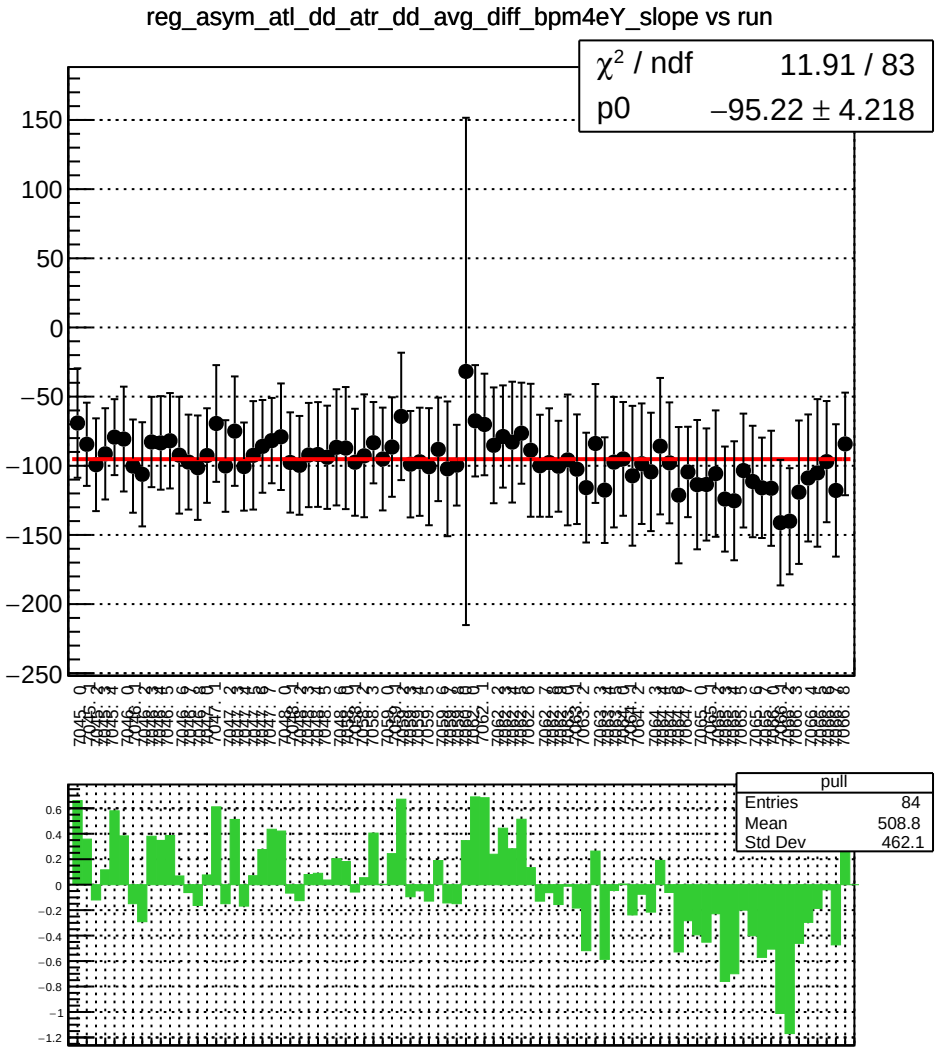

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 37.08 / 83
p0 137.2 ± 0.2218
142
140
138
136
134
132
pull
Entries 84
Mean 345.6
Std Dev 305.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.03901
Std Dev 0.6632
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

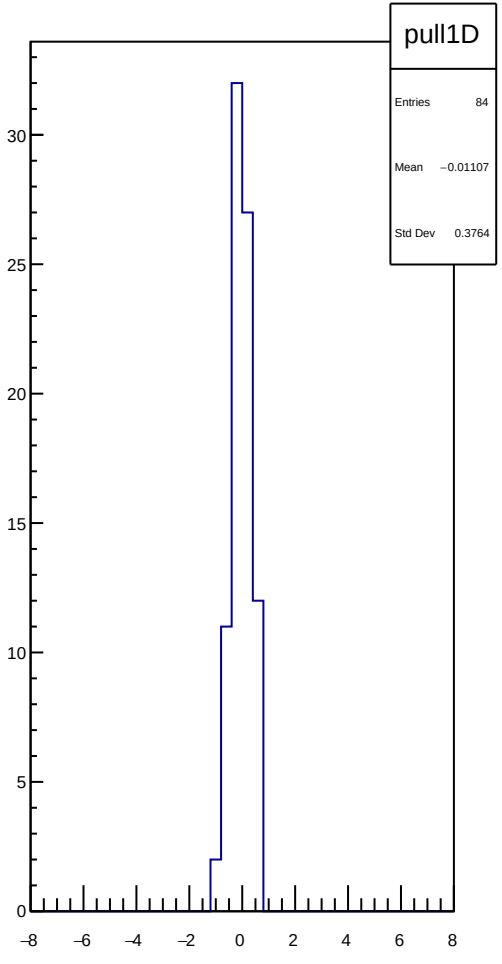

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 31.98 / 83
p0 221.6 ± 5.682
400
350
300
250
200
150
100
pull
Entries 84
Mean −1144
Std Dev 1188
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean 0.009081
Std Dev 0.6169
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

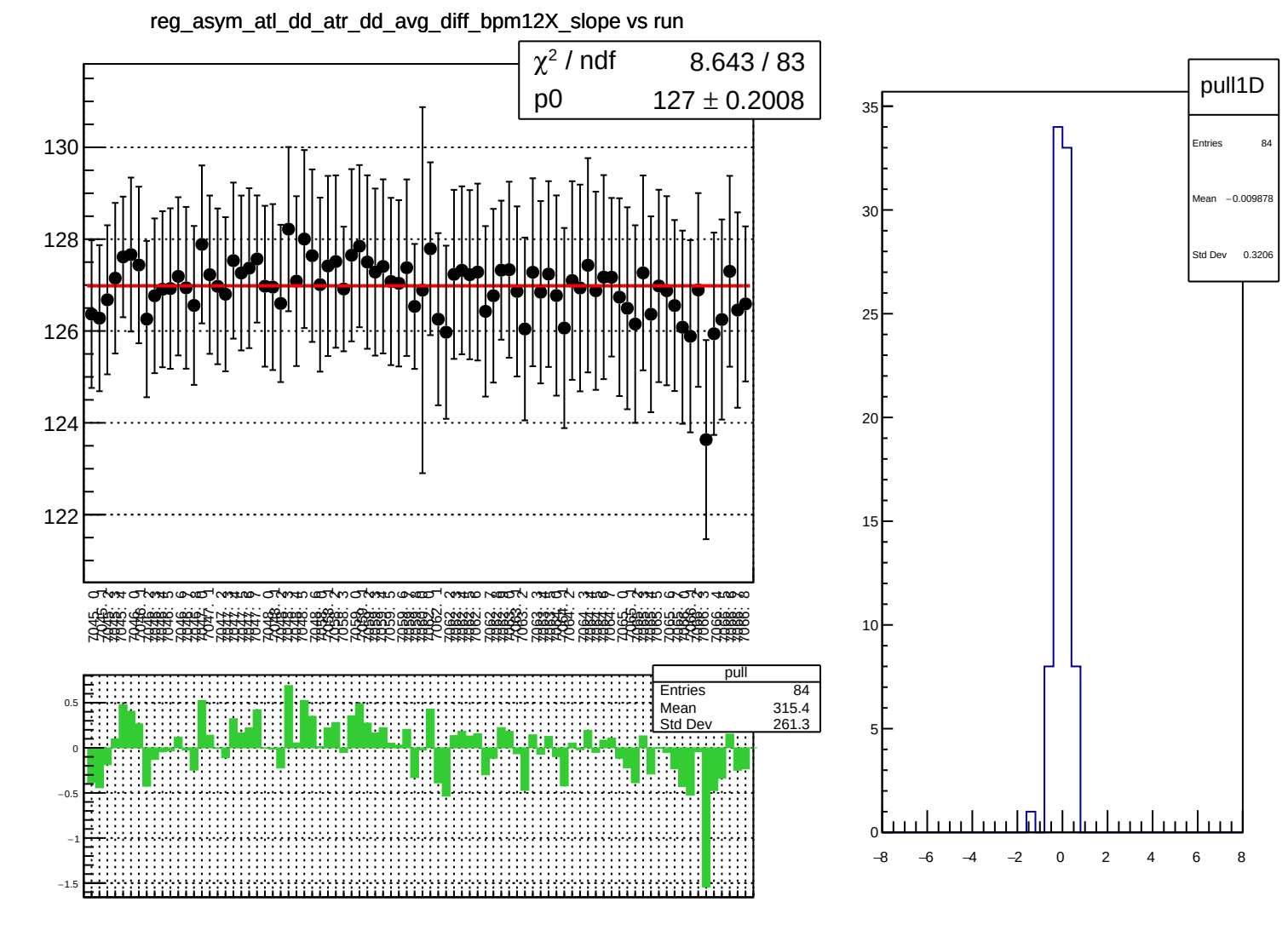

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.967 / 83
p0 16.62 ± 3.951
pull
Entries 84
Mean 651.4
Std Dev 602
pull1D
Entries 84
Mean 0.006061
Std Dev 0.3444

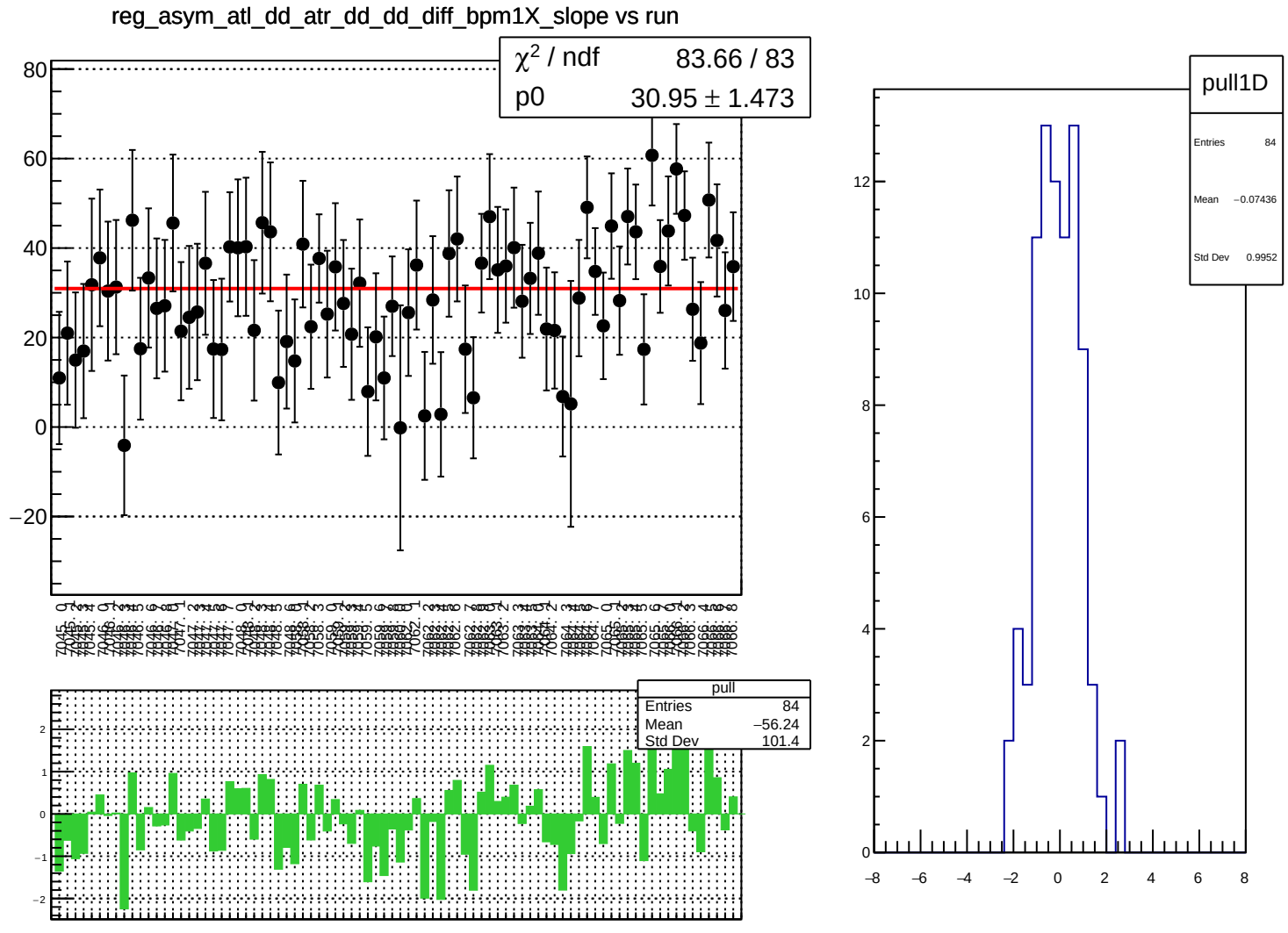

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.6 / 83
p0 −225.9 ± 5.414
−100
−150
−200
−250
−300
−350
−400
pull
Entries 84
Mean −1679
Std Dev 1724
2
1.5
1
0.5
0
−0.5
−1

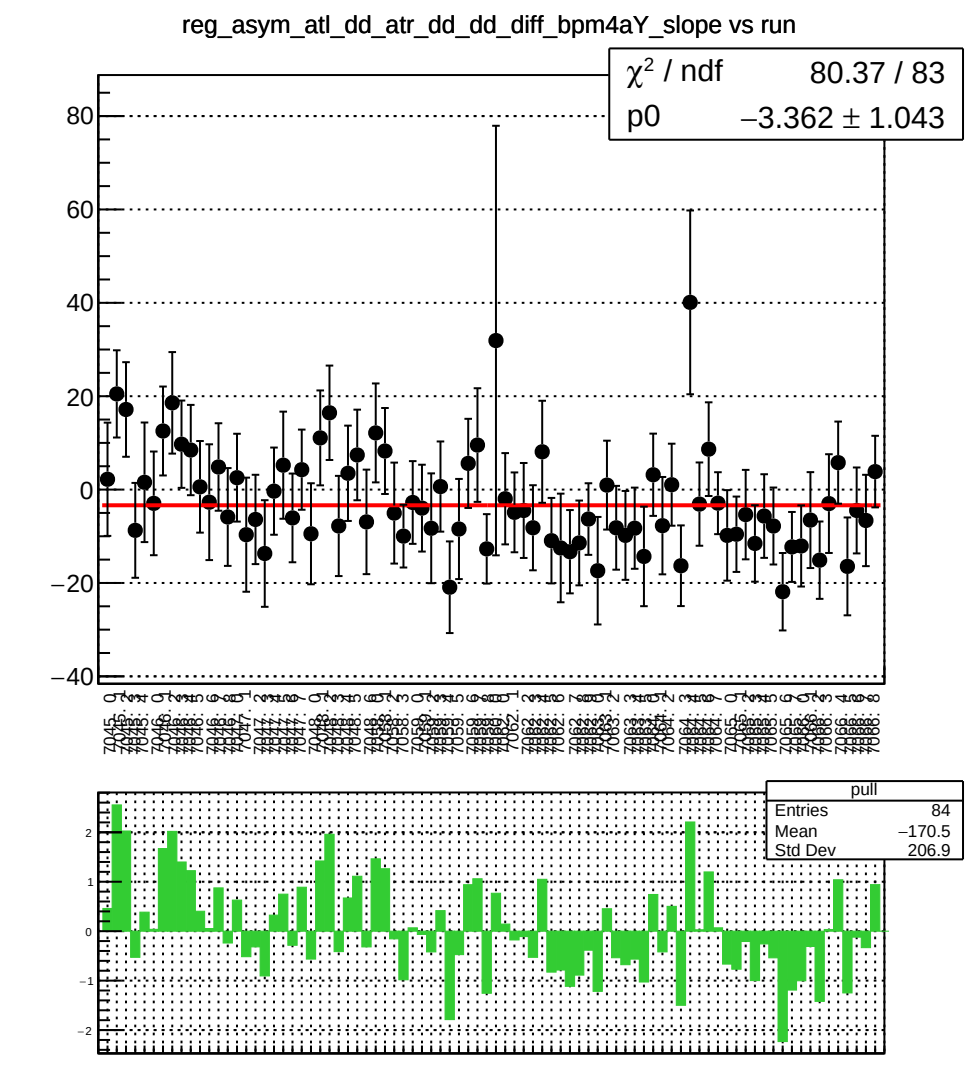

pull1D
Entries 84
Mean −0.005729
Std Dev 0.5936
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

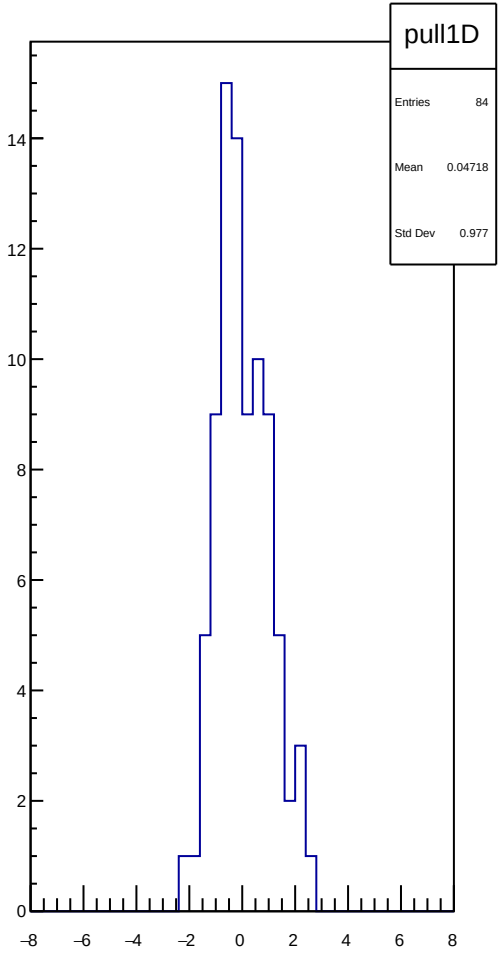

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.91 / 83
p0 −95.22 ± 4.218
pull
Entries 84
Mean 508.8
Std Dev 462.1

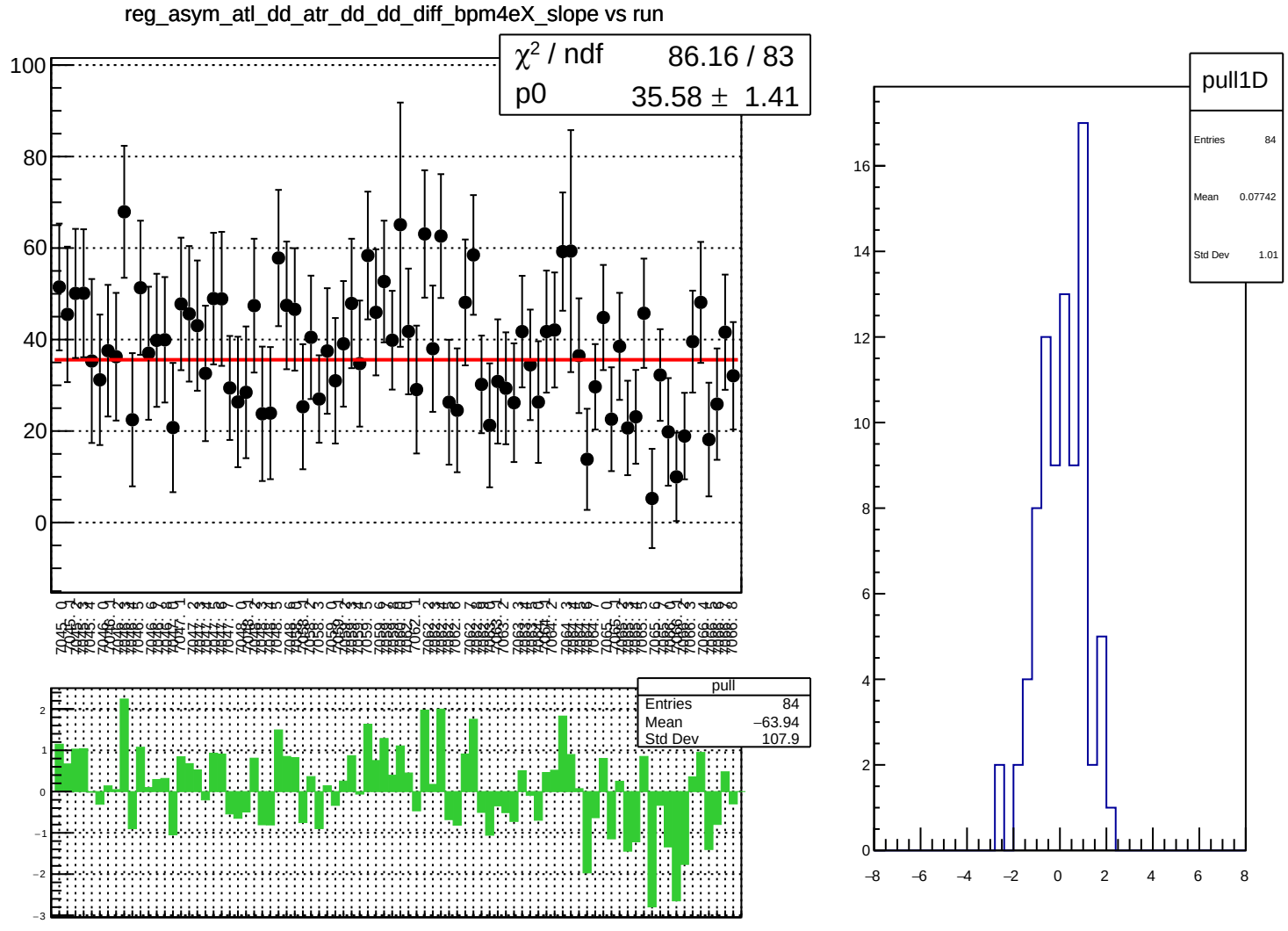

pull1D
Entries 84
Mean −0.01107
Std Dev 0.3764

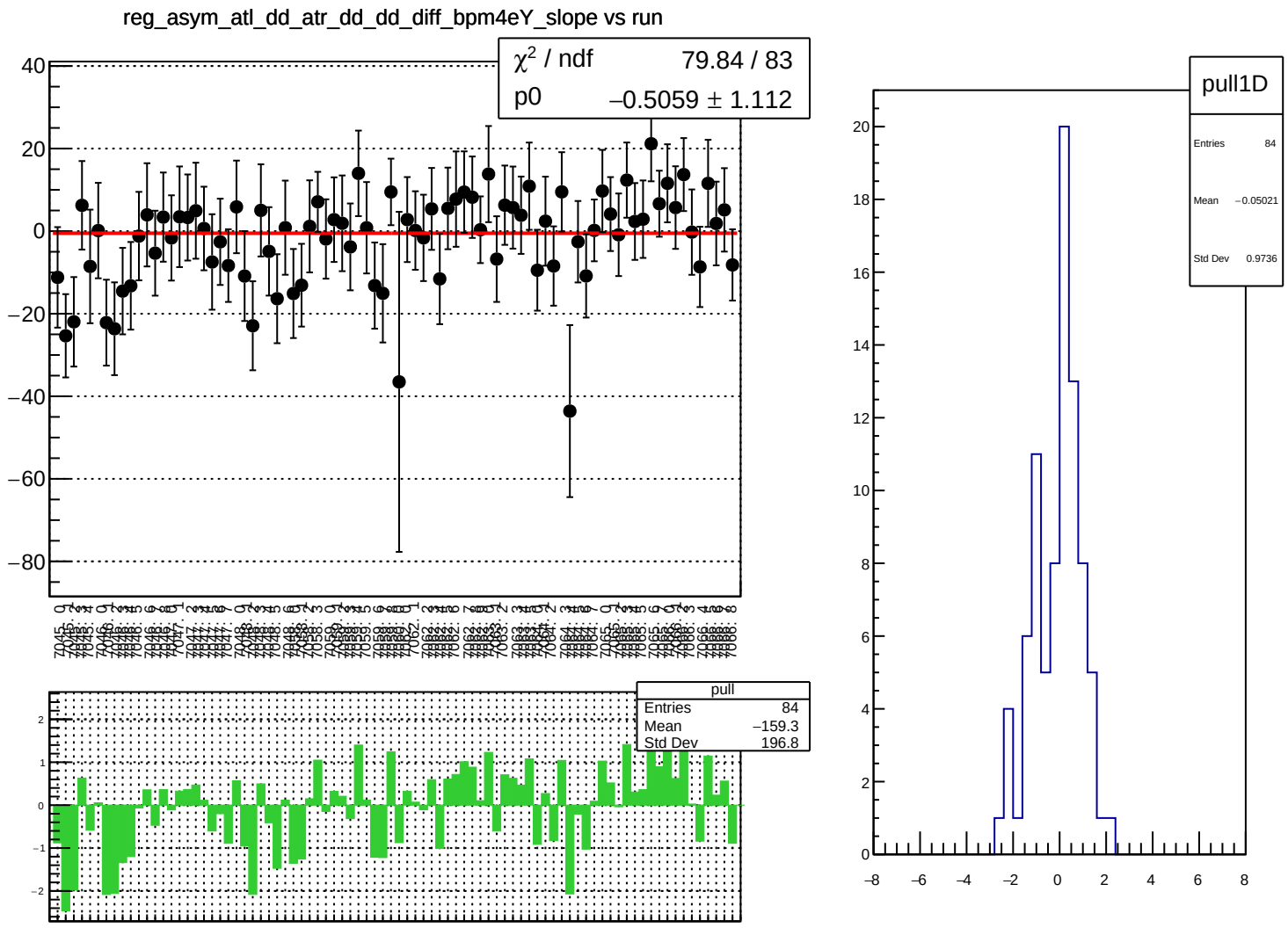

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 8.643 / 83
p0 127 ± 0.2008
130
128
126
124
122
pull
Entries 84
Mean 315.4
Std Dev 261.3
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.009878
Std Dev 0.3206
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

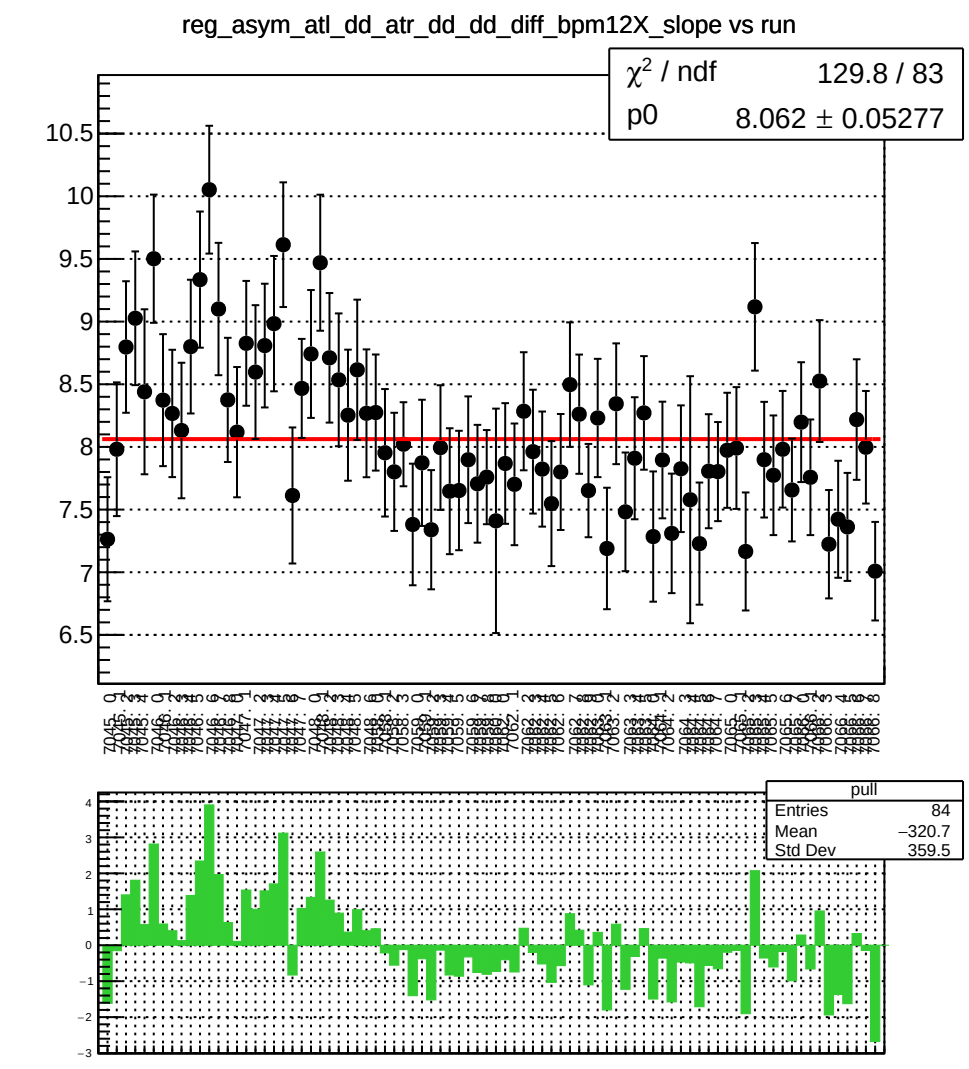

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 83.66 / 83
p0 30.95 ± 1.473
pull
Entries 84
Mean −56.24
Std Dev 101.4
pull1D
Entries 84
Mean −0.07436
Std Dev 0.9952

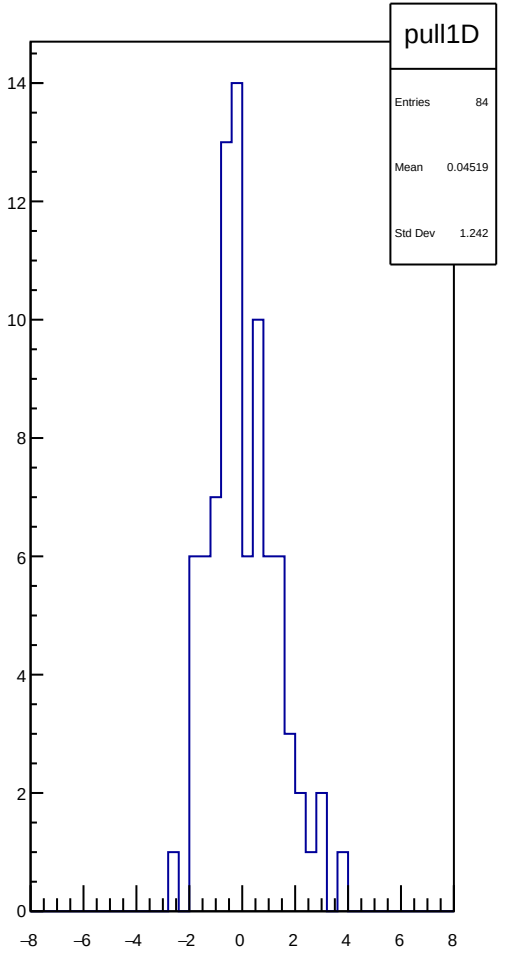

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.37 / 83
p0 −3.362 ± 1.043
pull
Entries 84
Mean −170.5
Std Dev 206.9

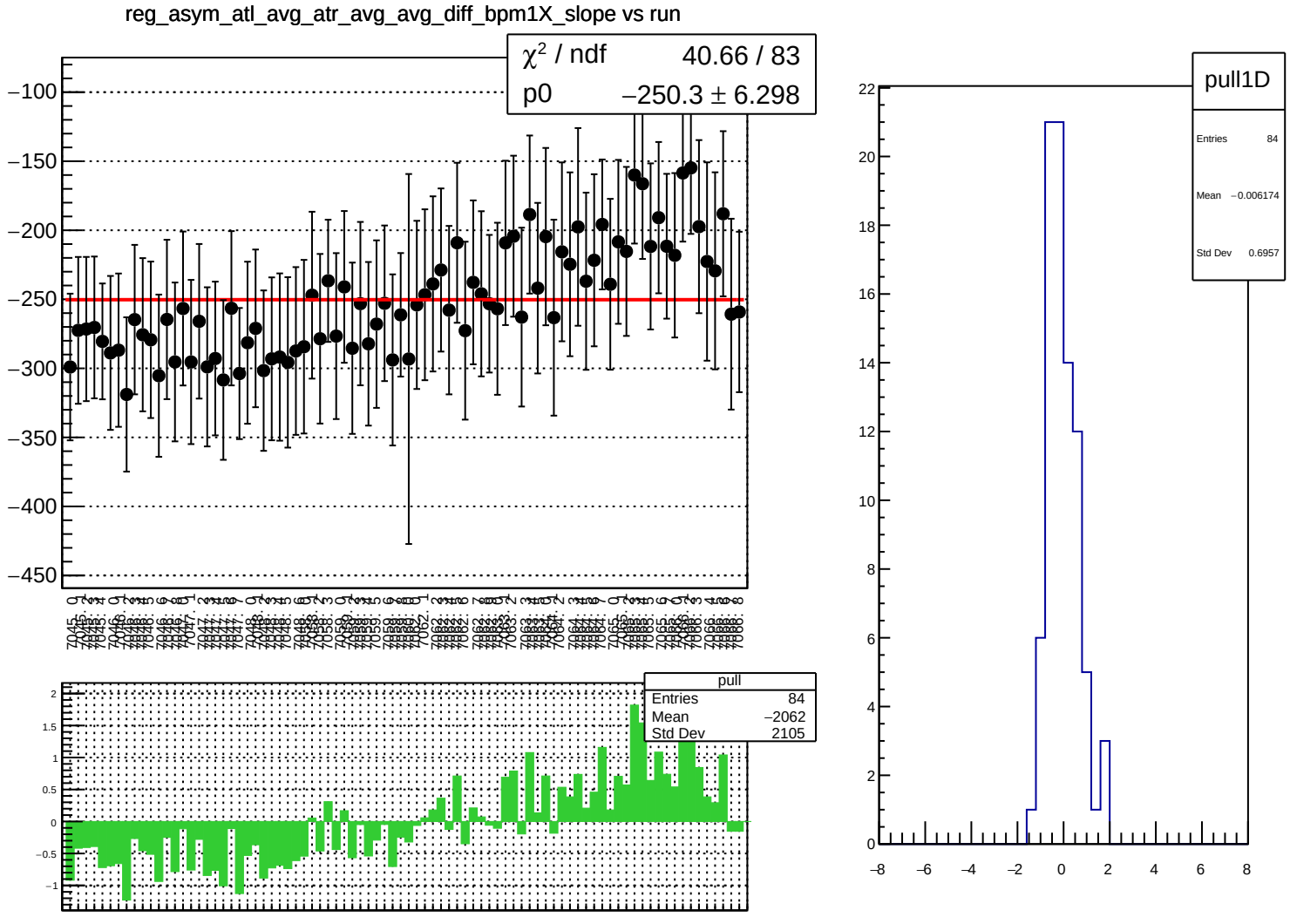

pull1D
Entries 84
Mean 0.04718
Std Dev 0.977

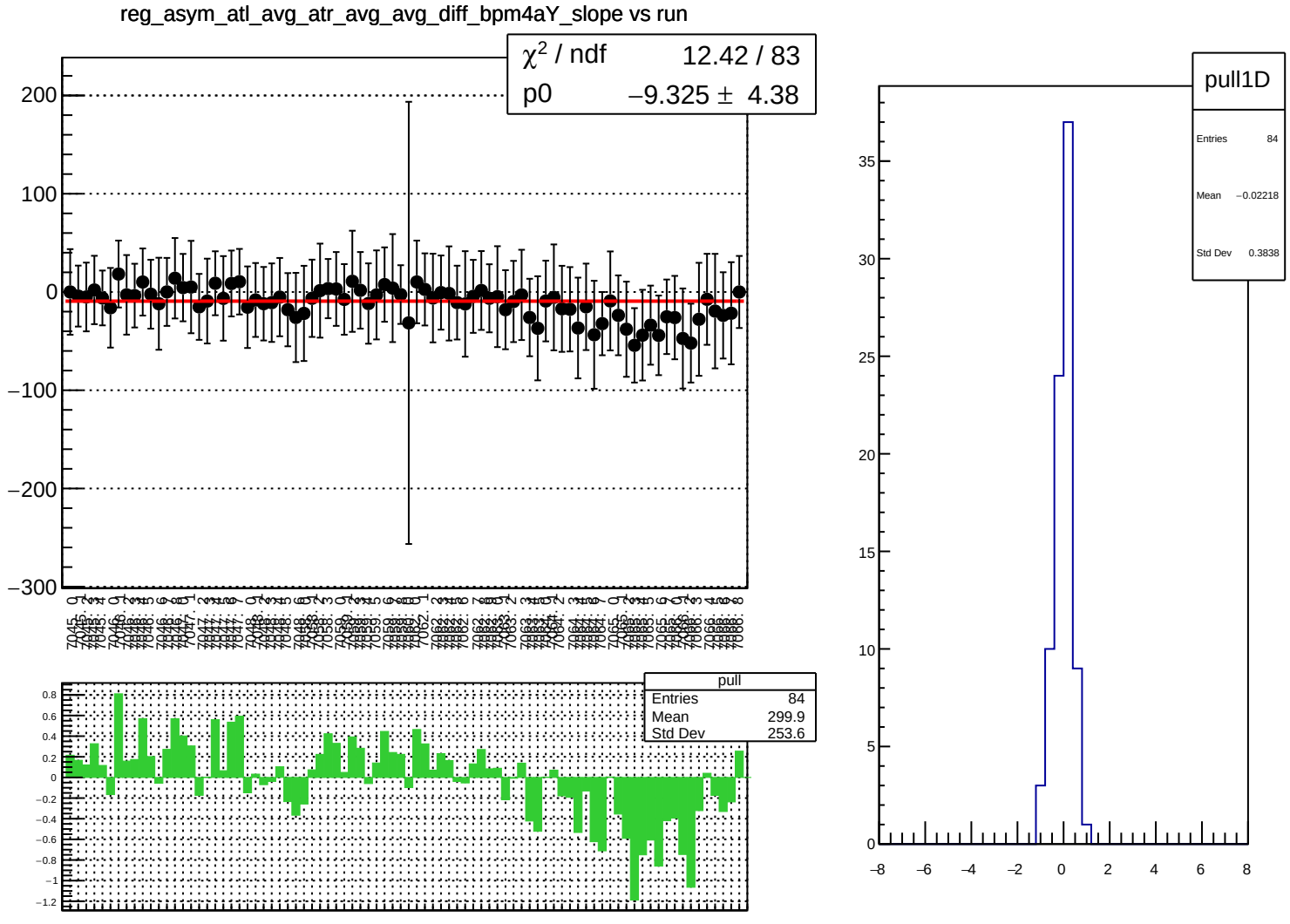

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 86.16 / 83
p0 35.58 ± 1.41
pull
Entries 84
Mean −63.94
Std Dev 107.9
pull1D
Entries 84
Mean 0.07742
Std Dev 1.01

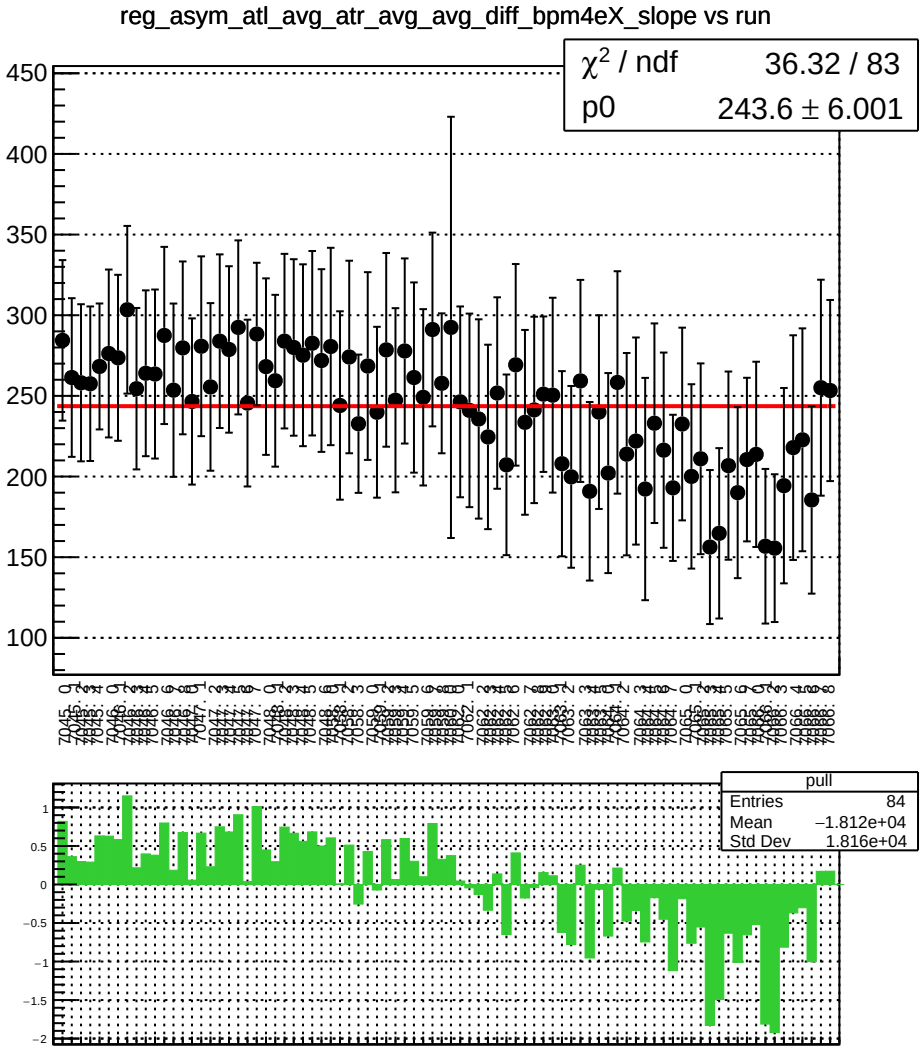

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.84 / 83
p0 −0.5059 ± 1.112
pull
Entries 84
Mean −159.3
Std Dev 196.8
pull1D
Entries 84
Mean −0.05021
Std Dev 0.9736

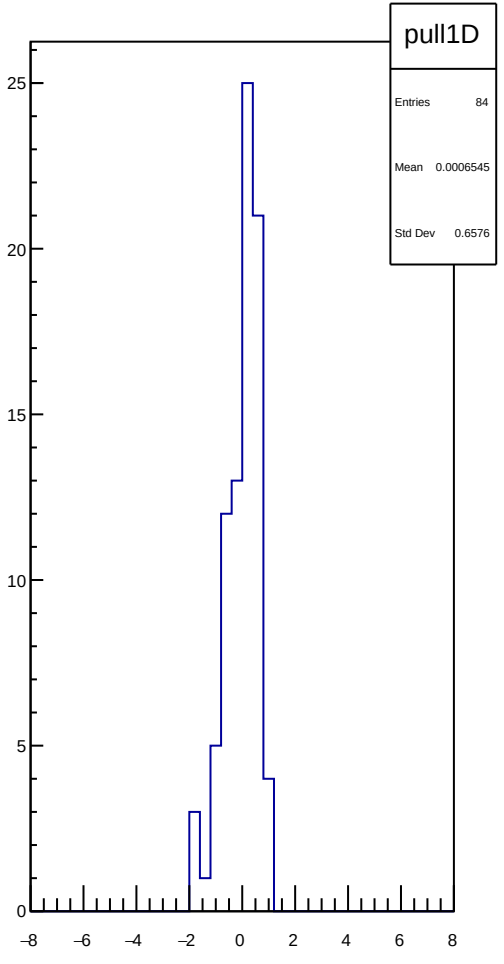

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 129.8 / 83
p0 8.062 ± 0.05277
pull
Entries 84
Mean −320.7
Std Dev 359.5

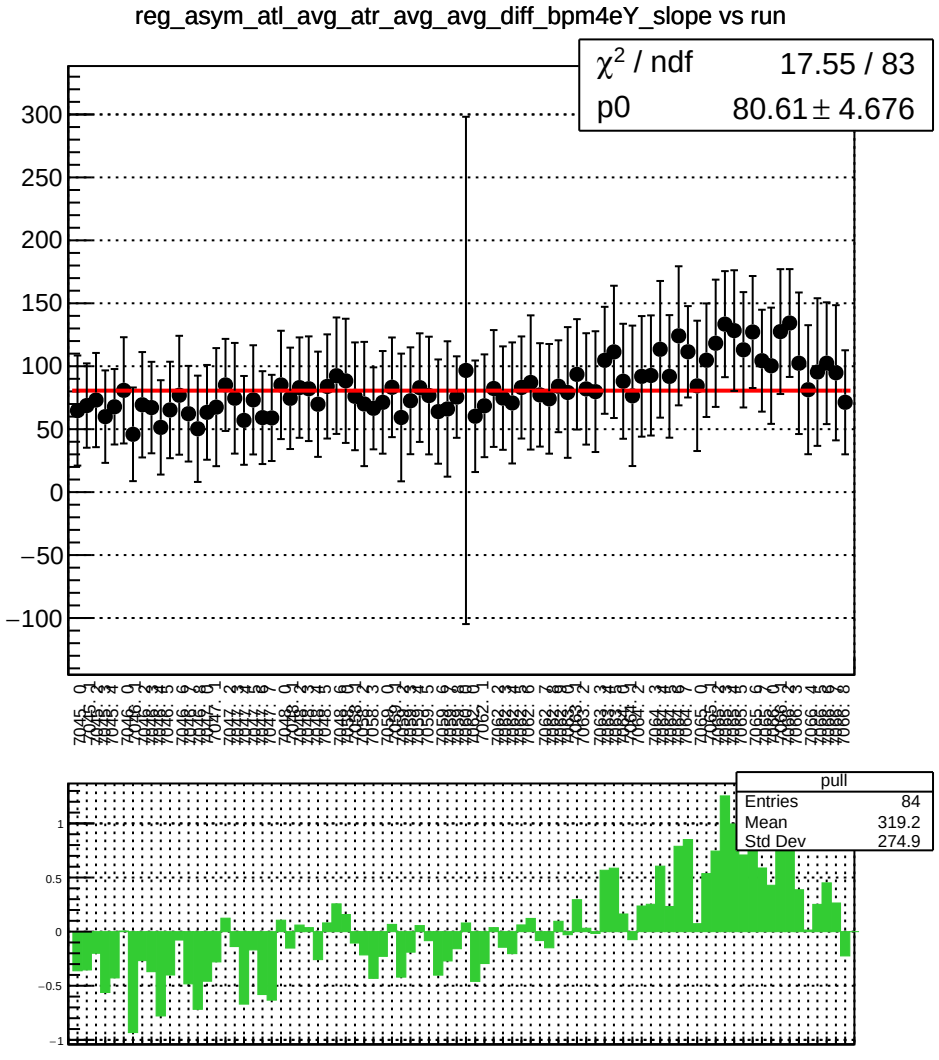

pull1D
Entries 84
Mean 0.04519
Std Dev 1.242

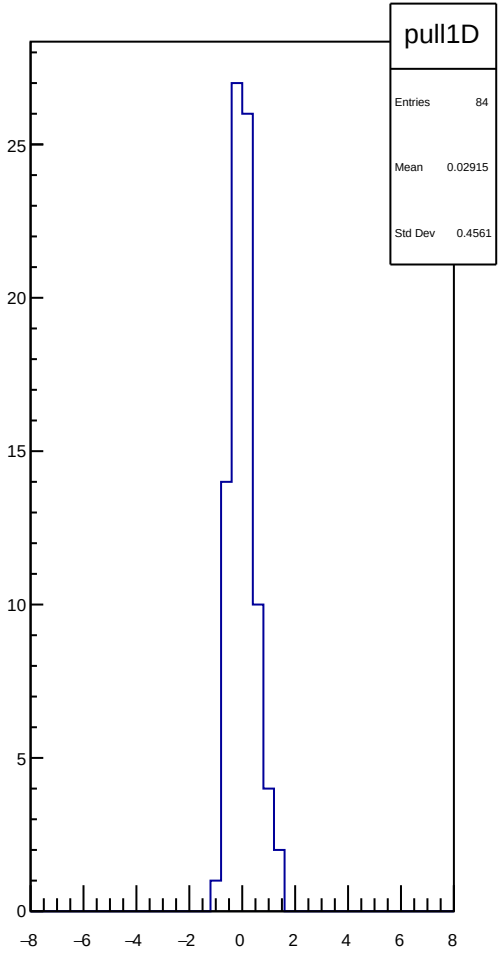

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 40.66 / 83
p0 −250.3 ± 6.298
pull
Entries 84
Mean −2062
Std Dev 2105
pull1D
Entries 84
Mean −0.006174
Std Dev 0.6957

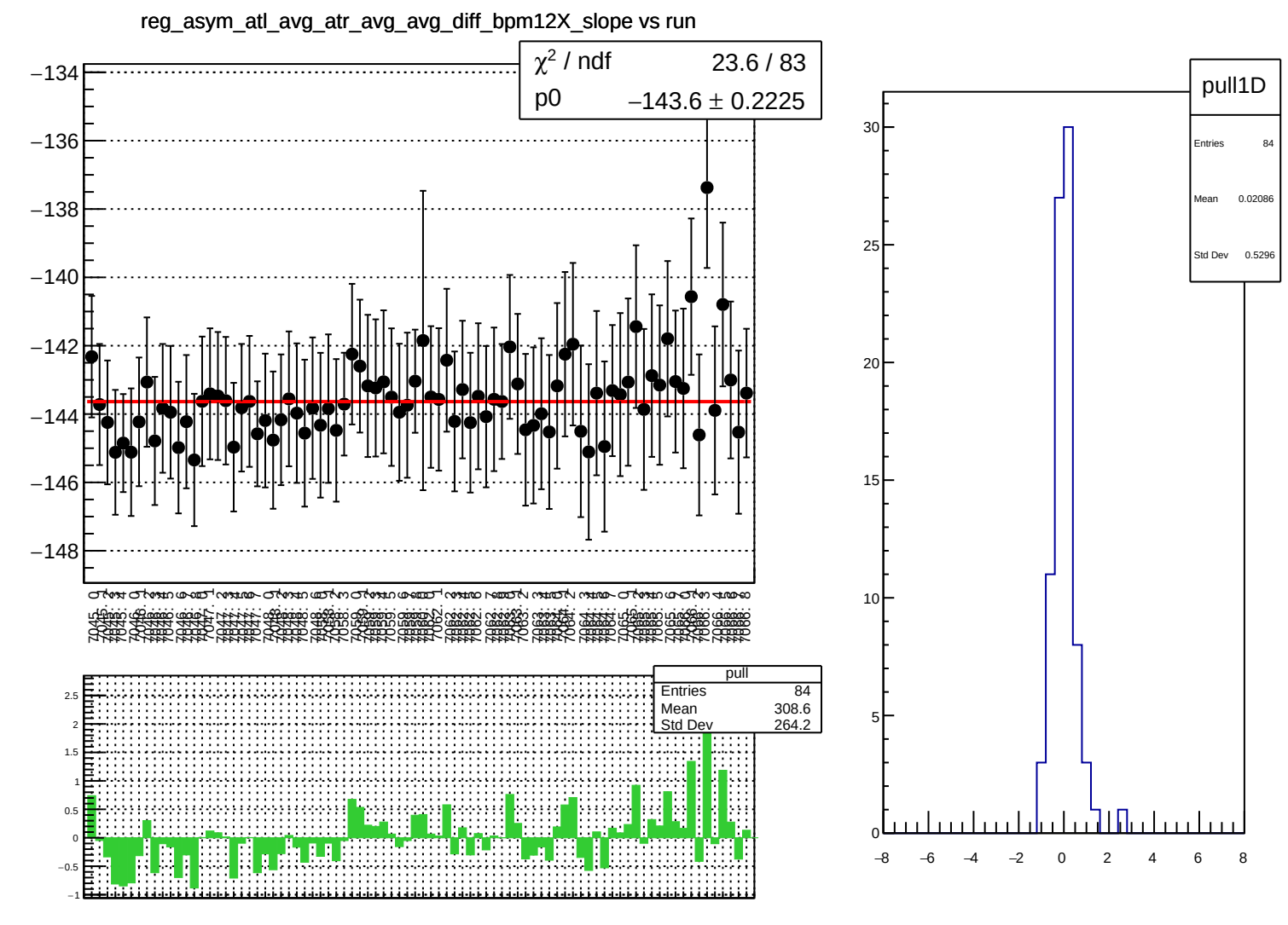

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.42 / 83
p0 −9.325 ± 4.38
200
100
0
−100
−200
−300
pull
Entries 84
Mean 299.9
Std Dev 253.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 84
Mean −0.02218
Std Dev 0.3838
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

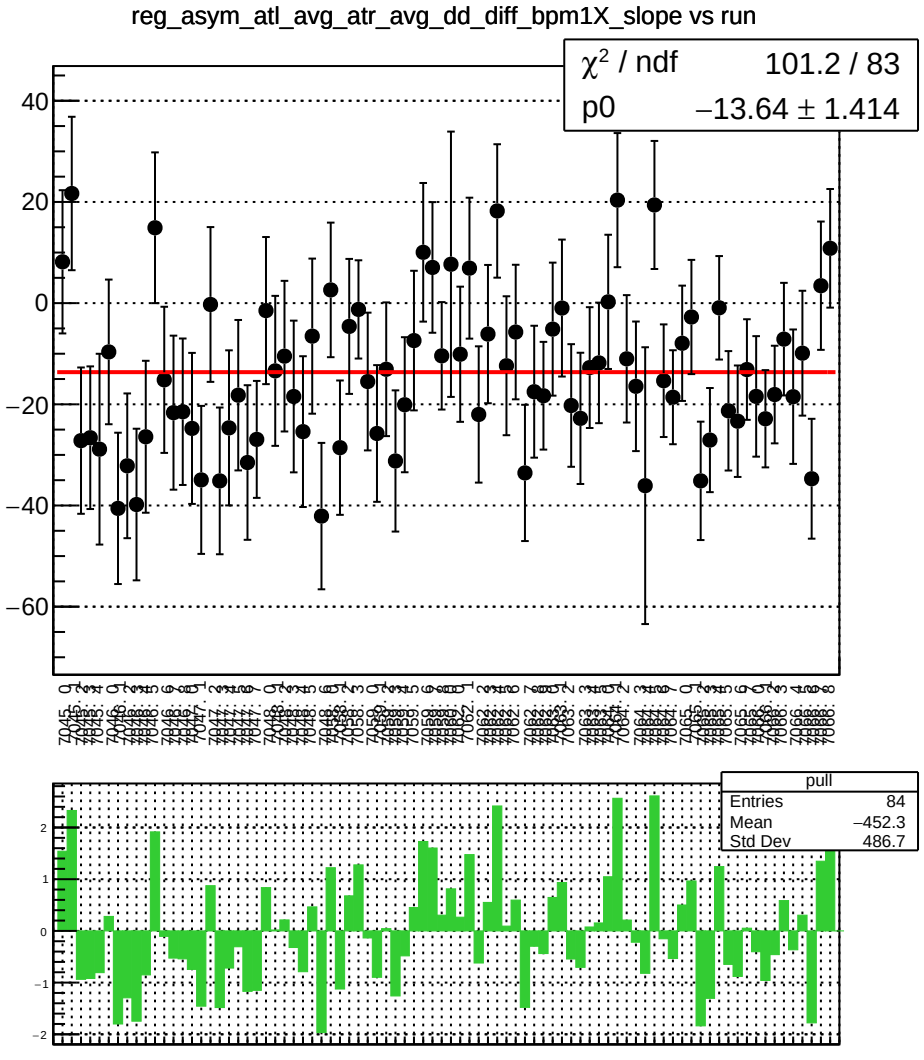

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.32 / 83
p0 243.6 ± 6.001
pull
Entries 84
Mean −1.812e+04
Std Dev 1.816e+04

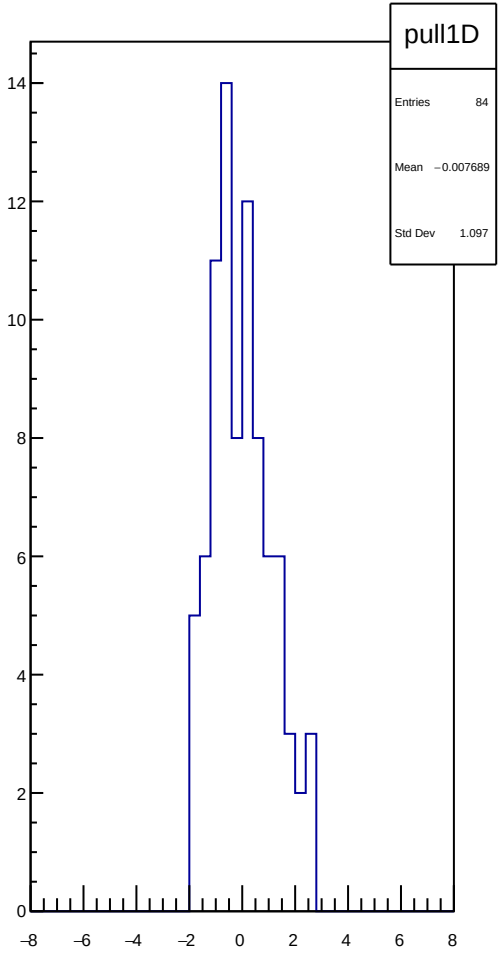

pull1D
Entries 84
Mean 0.0006545
Std Dev 0.6576

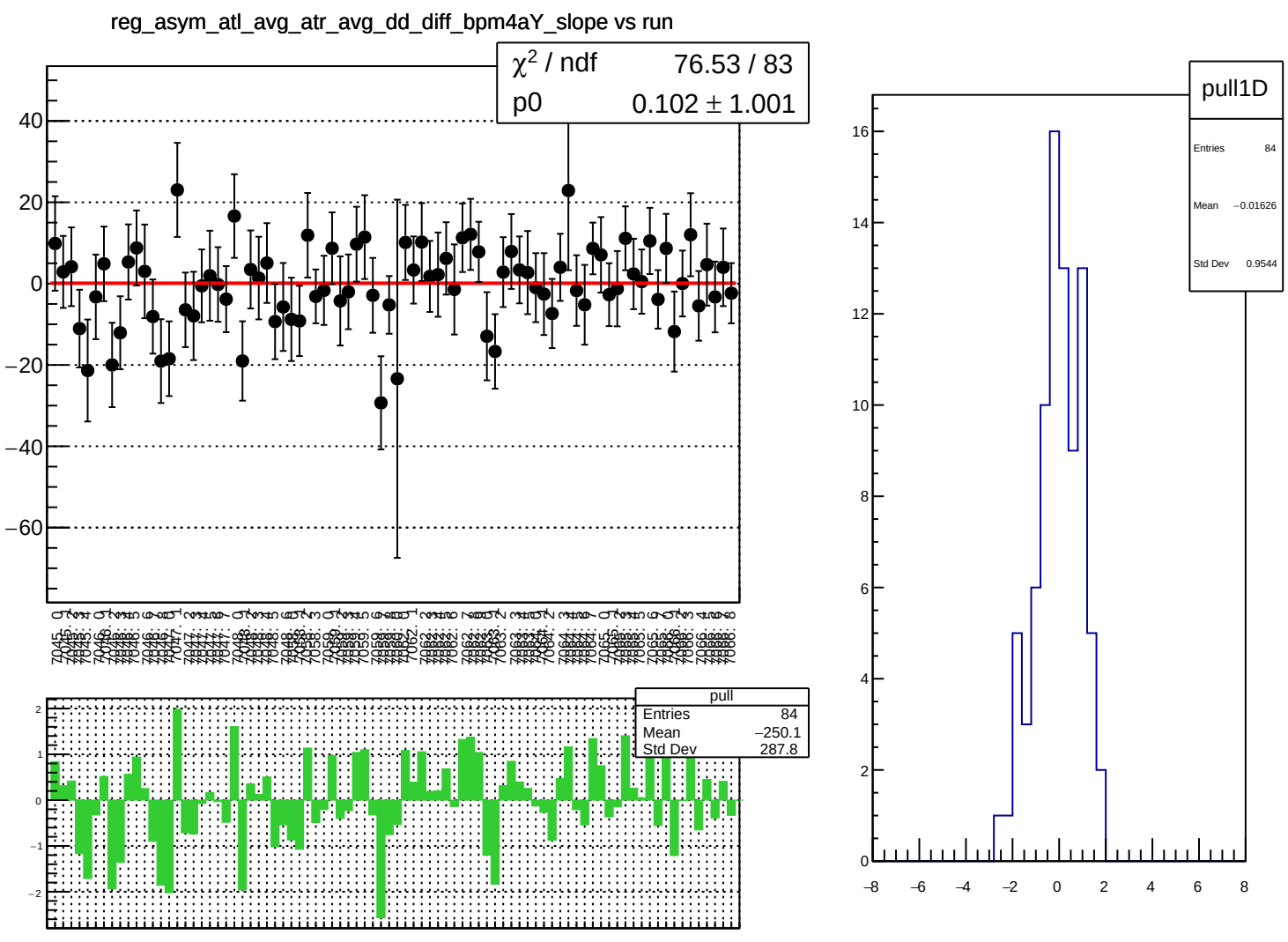

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.55 / 83
p0 80.61 ± 4.676
pull
Entries 84
Mean 319.2
Std Dev 274.9

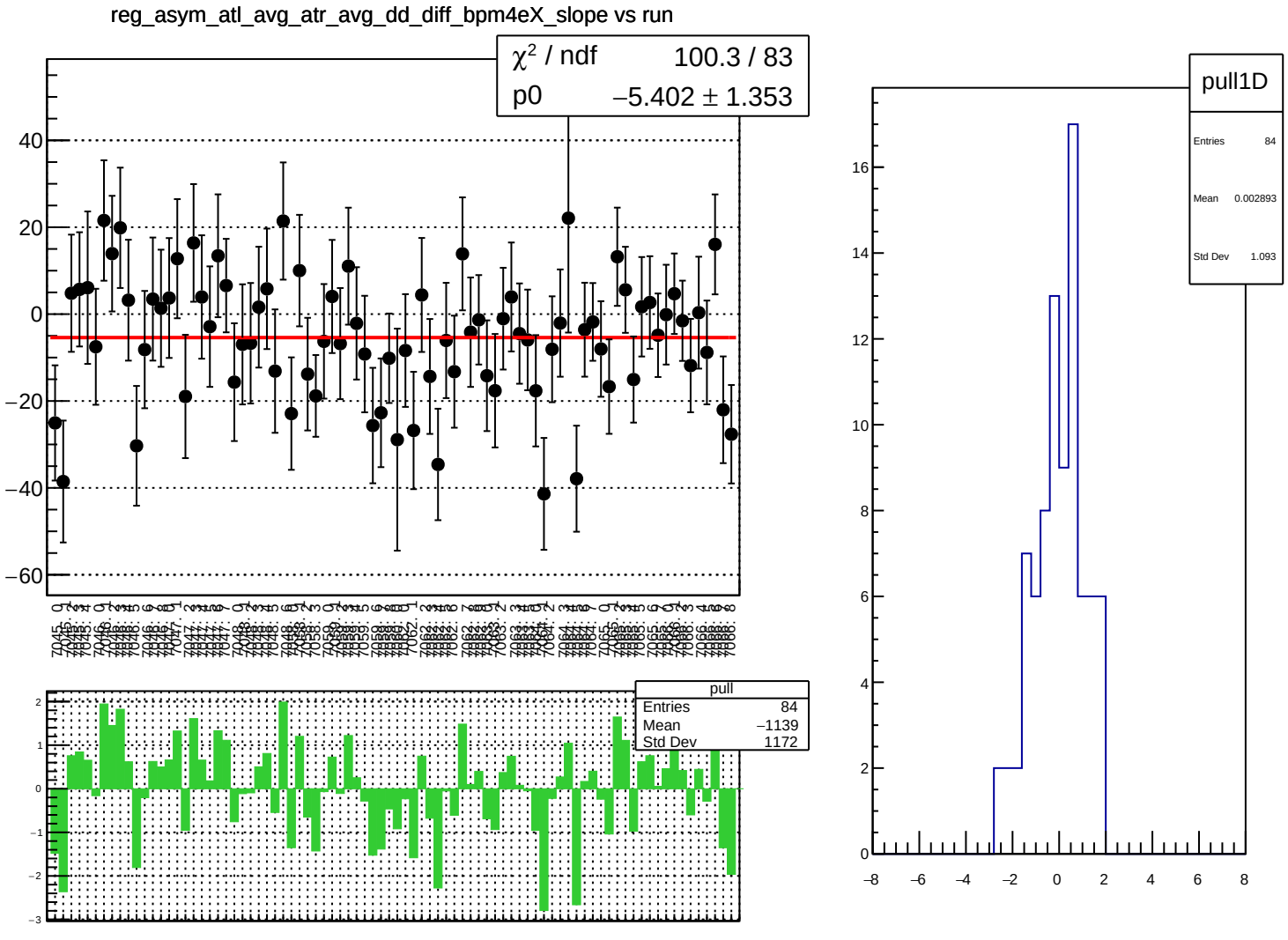

pull1D
Entries 84
Mean 0.02915
Std Dev 0.4561

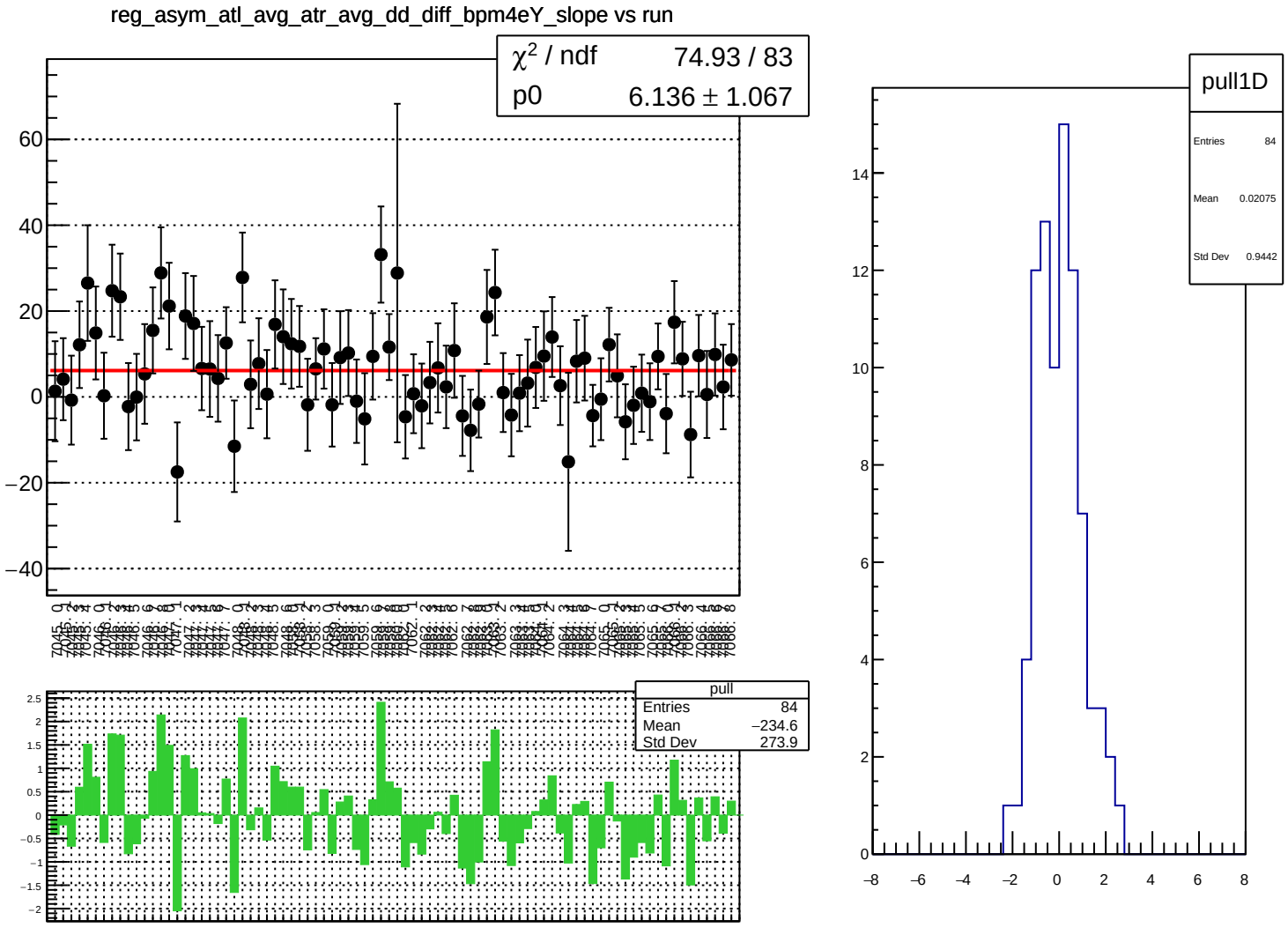

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 23.6 / 83
p0 −143.6 ± 0.2225
pull
Entries 84
Mean 308.6
Std Dev 264.2
pull1D
Entries 84
Mean 0.02086
Std Dev 0.5296

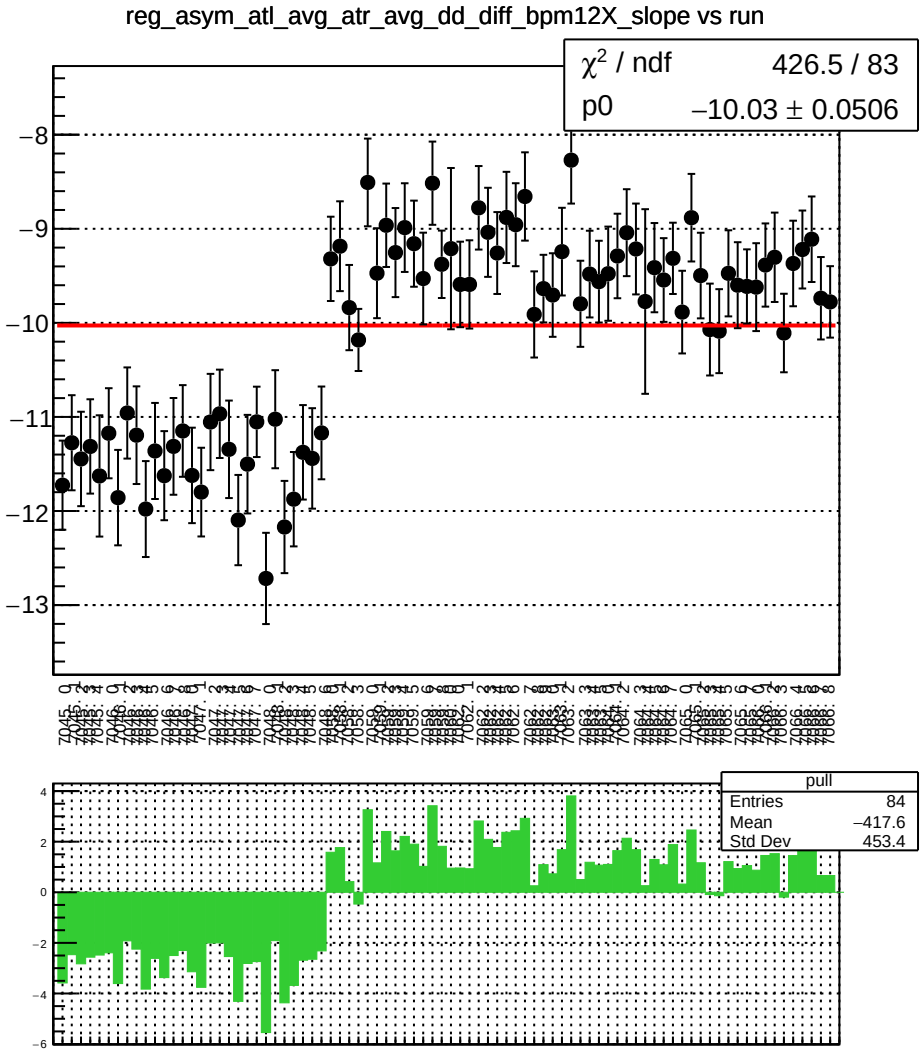

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 101.2 / 83
p0 −13.64 ± 1.414
pull
Entries 84
Mean −452.3
Std Dev 486.7

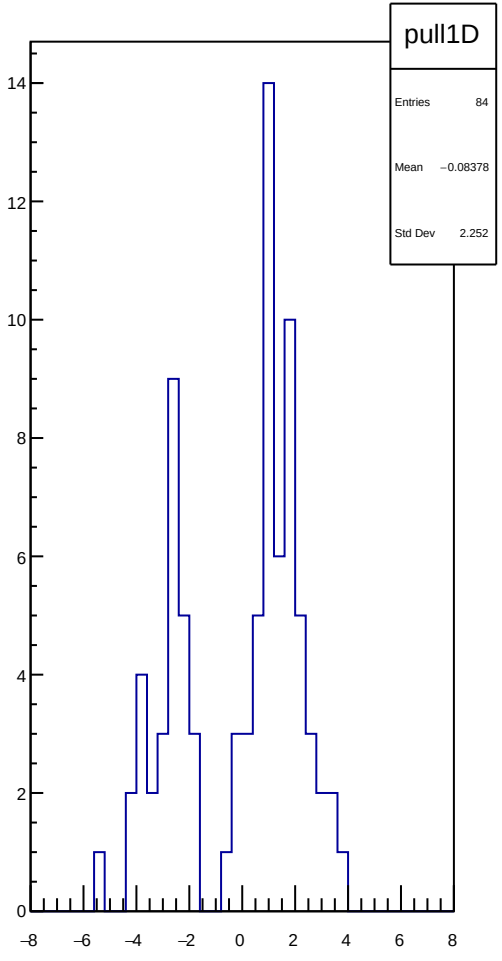

pull1D
Entries 84
Mean −0.007689
Std Dev 1.097

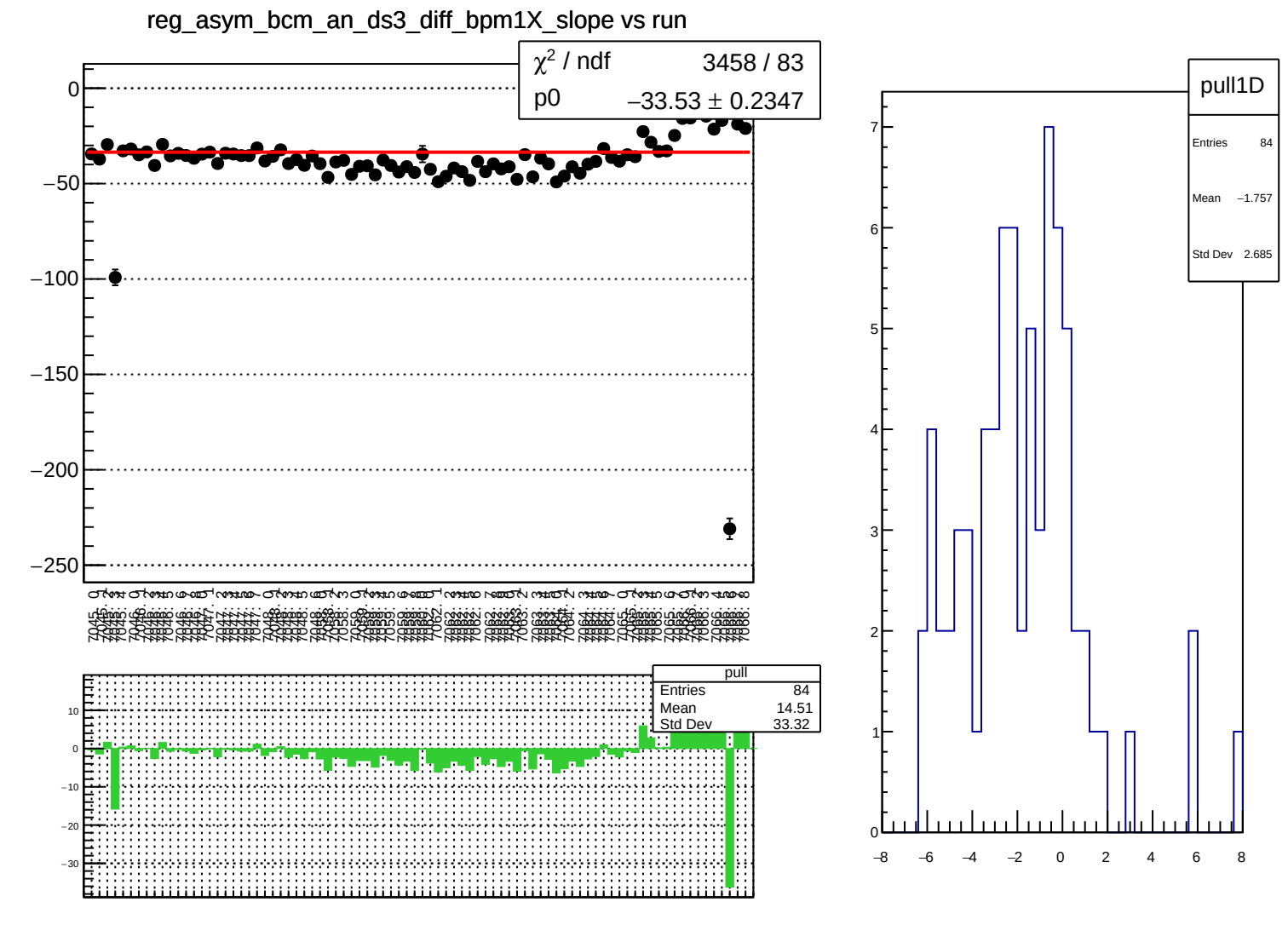

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.53 / 83
p0 0.102 ± 1.001
pull
Entries 84
Mean −250.1
Std Dev 287.8
pull1D
Entries 84
Mean −0.01626
Std Dev 0.9544

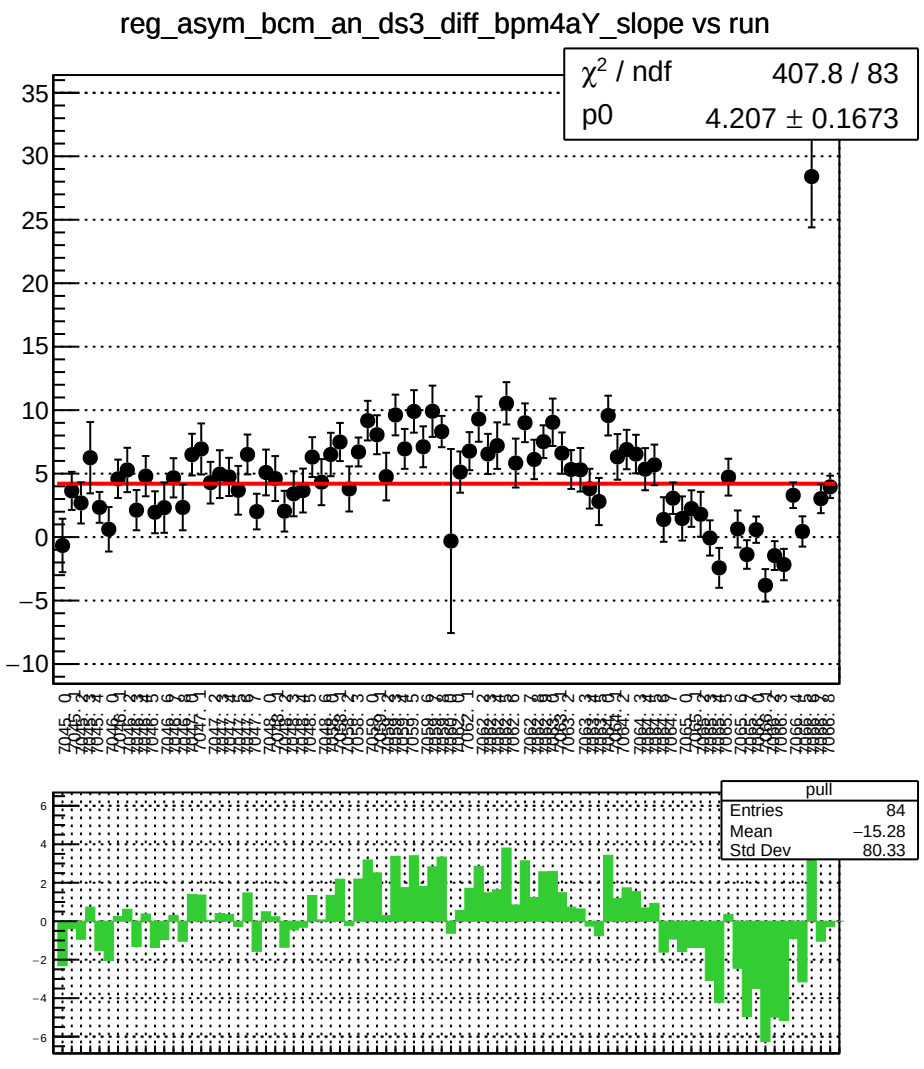

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 100.3 / 83
p0 −5.402 ± 1.353
pull
Entries 84
Mean −1139
Std Dev 1172
pull1D
Entries 84
Mean 0.002893
Std Dev 1.093

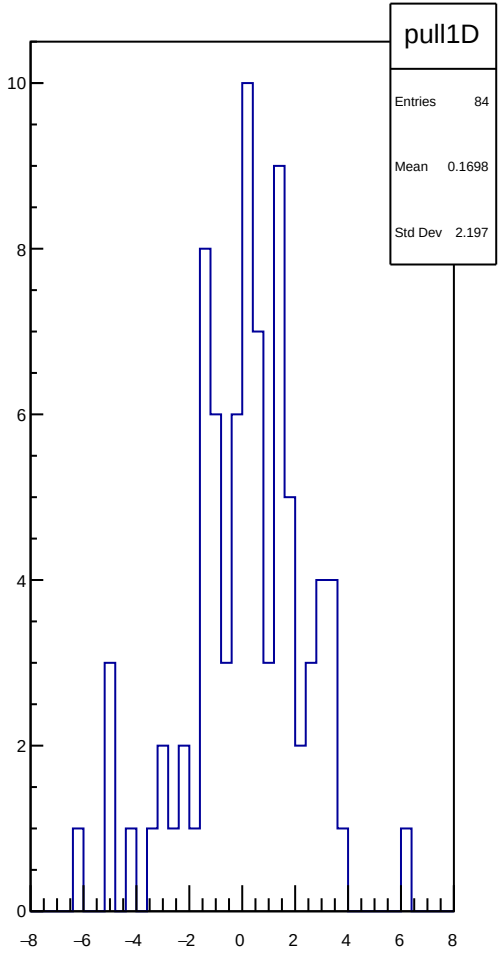

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.93 / 83
p0 6.136 ± 1.067
pull
Entries 84
Mean −234.6
Std Dev 273.9
pull1D
Entries 84
Mean 0.02075
Std Dev 0.9442

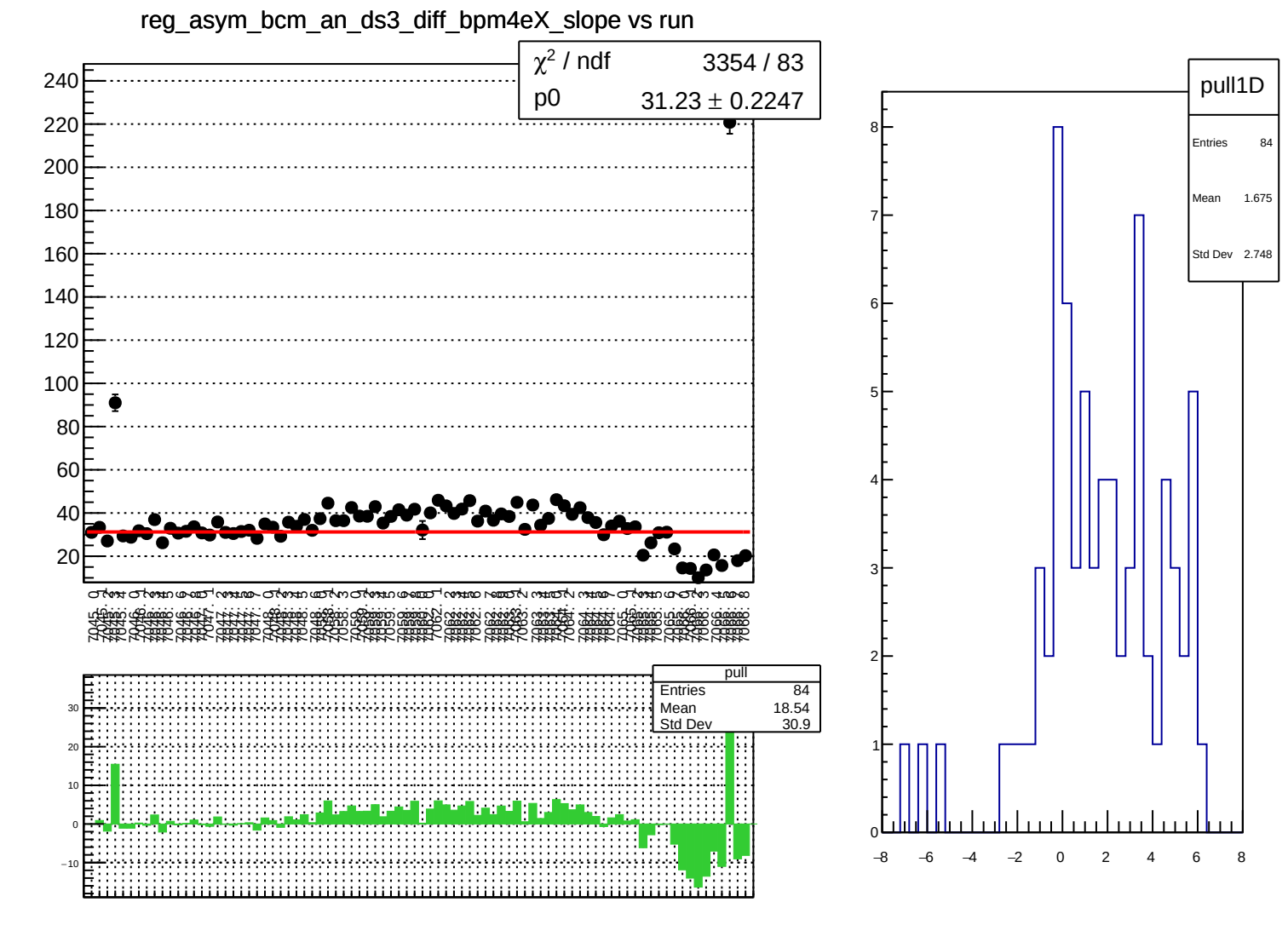

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 426.5 / 83
p0 −10.03 ± 0.0506
pull
Entries 84
Mean −417.6
Std Dev 453.4

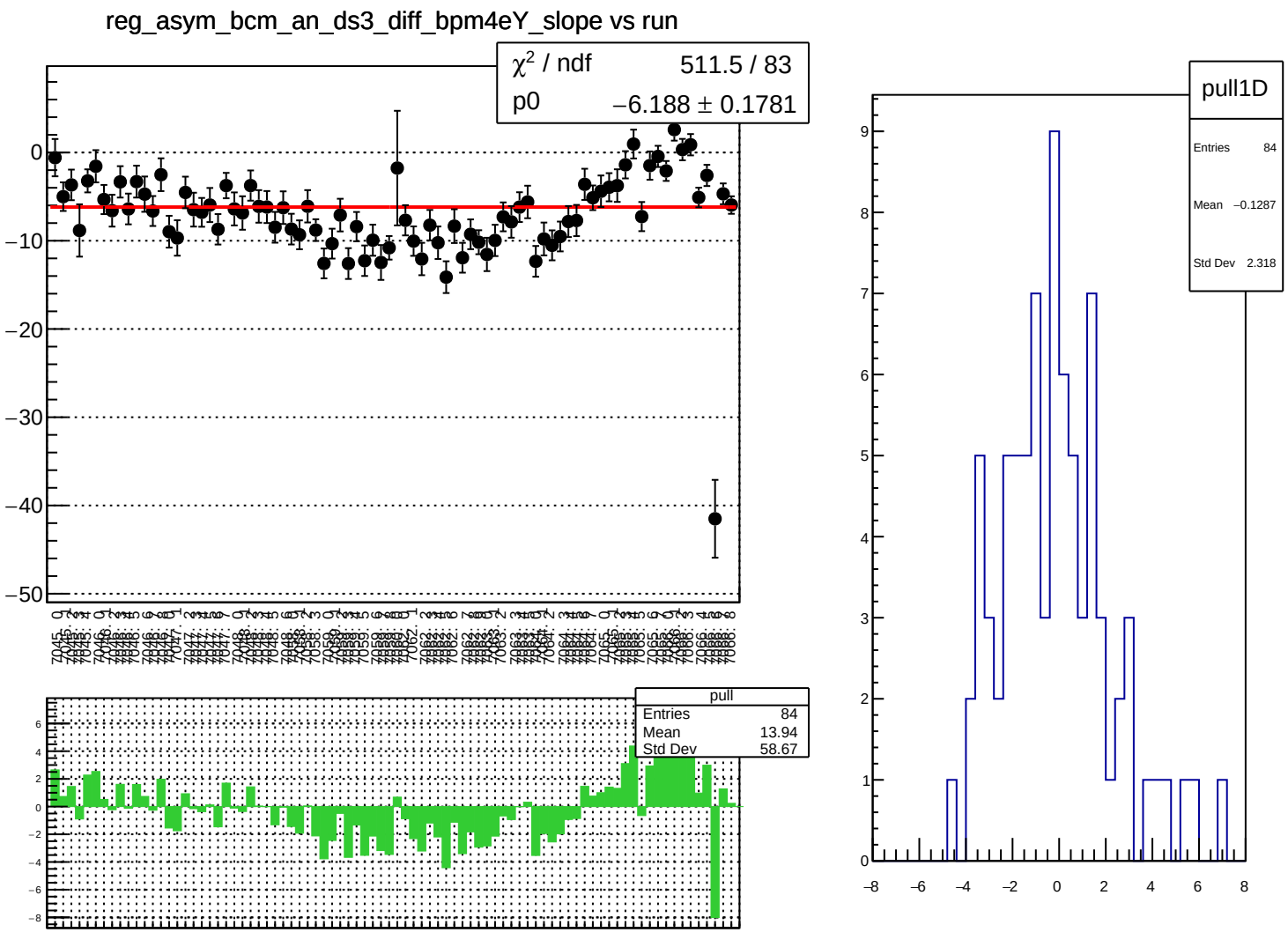

pull1D
Entries 84
Mean −0.08378
Std Dev 2.252

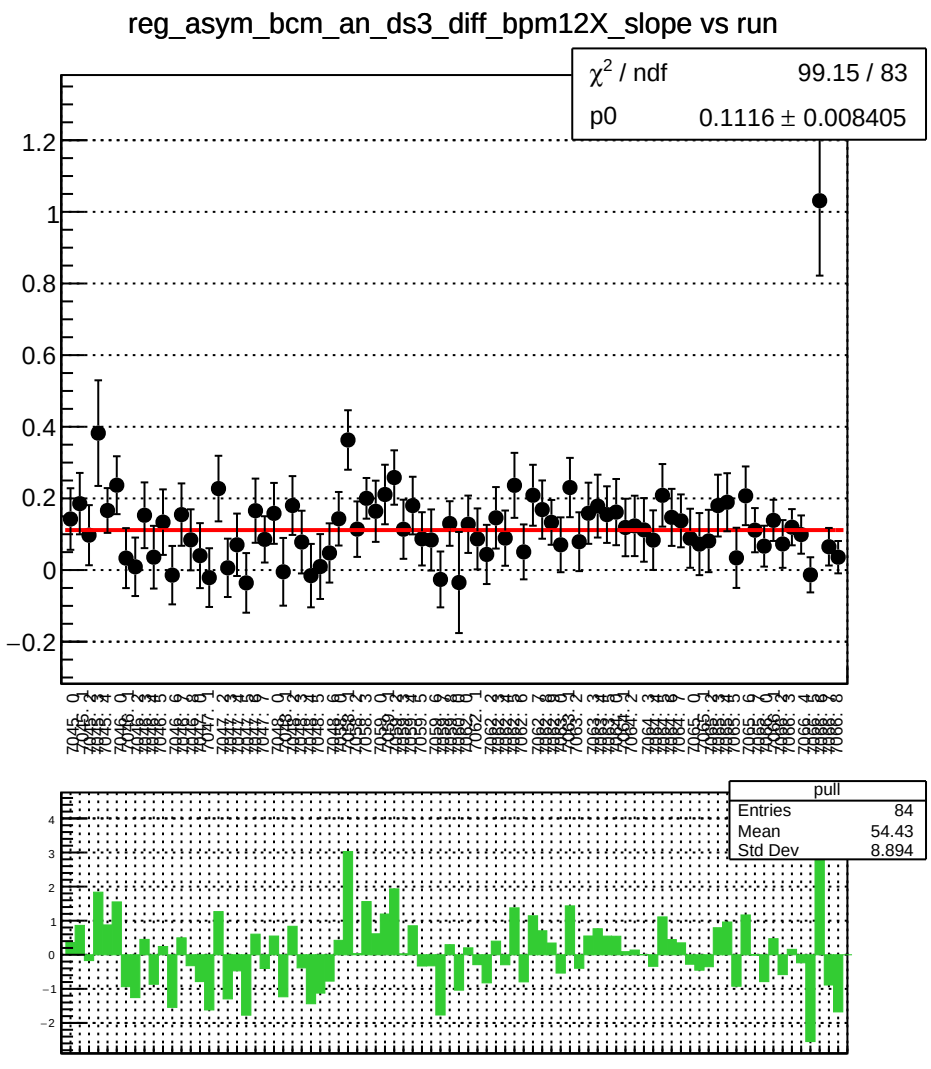

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 3458 / 83
p0 −33.53 ± 0.2347
pull
Entries 84
Mean 14.51
Std Dev 33.32
pull1D
Entries 84
Mean −1.757
Std Dev 2.685

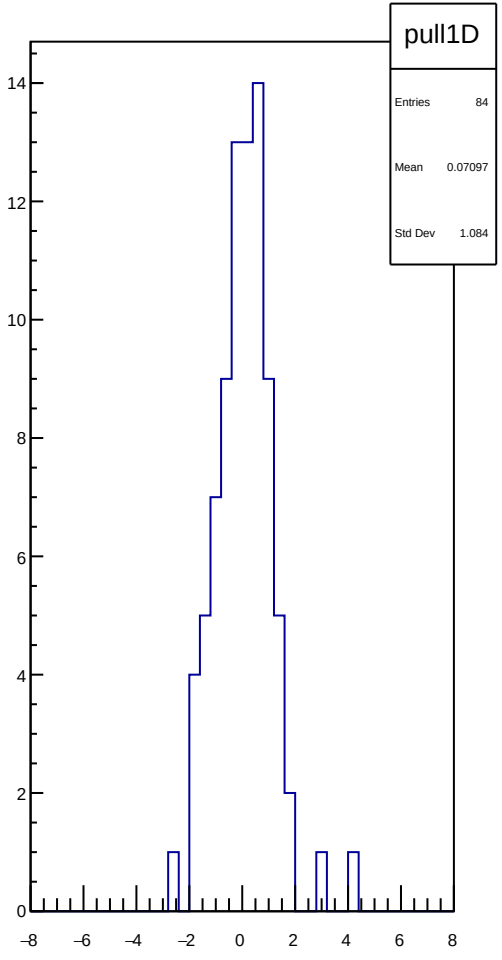

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 407.8 / 83
p0 4.207 ± 0.1673
pull
Entries 84
Mean −15.28
Std Dev 80.33

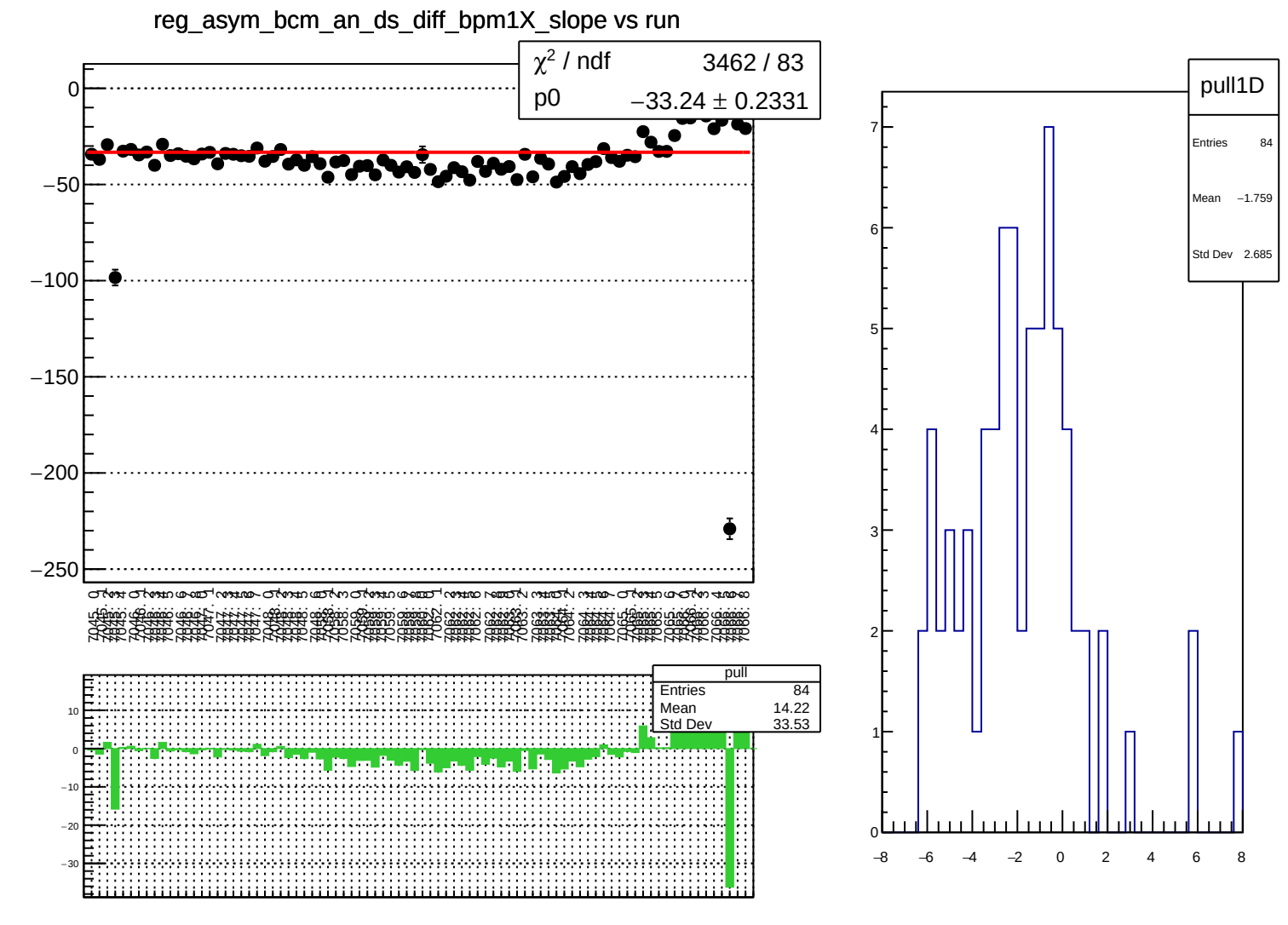

pull1D
Entries 84
Mean 0.1698
Std Dev 2.197

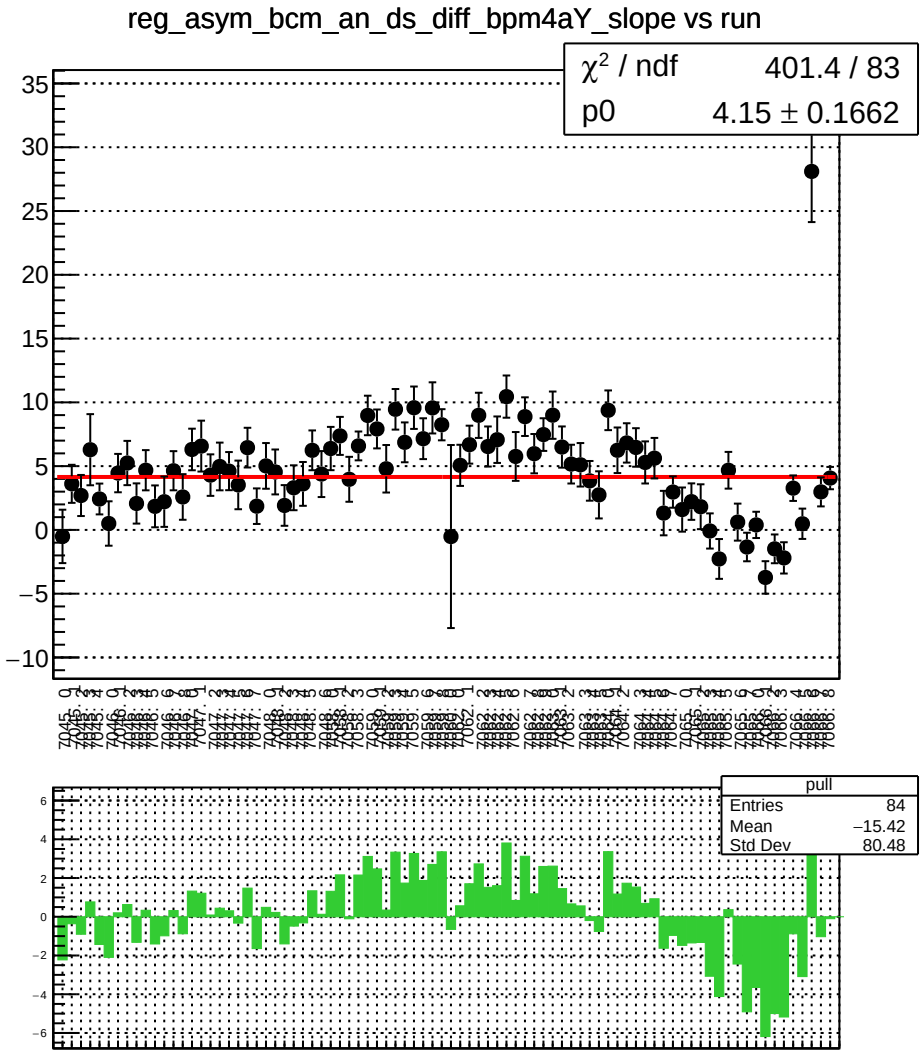

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 3354 / 83
p0 31.23 ± 0.2247
pull
Entries 84
Mean 18.54
Std Dev 30.9
pull1D
Entries 84
Mean 1.675
Std Dev 2.748

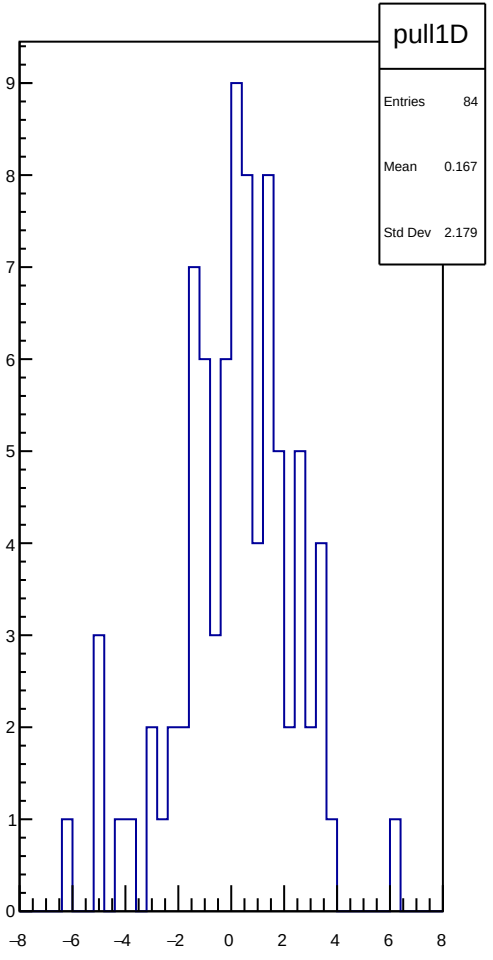

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 511.5 / 83
p0 −6.188 ± 0.1781
pull
Entries 84
Mean 13.94
Std Dev 58.67
pull1D
Entries 84
Mean −0.1287
Std Dev 2.318

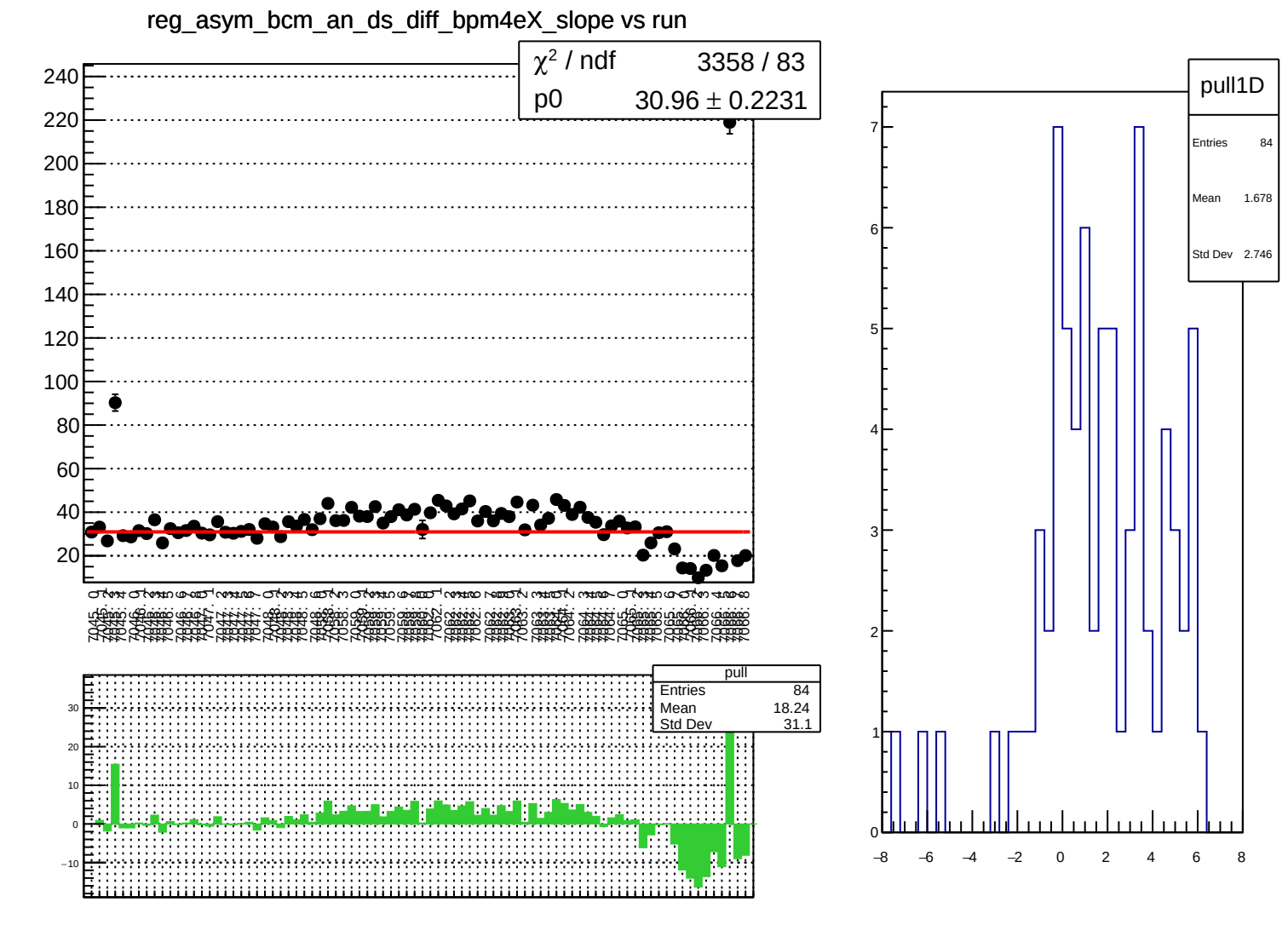

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 99.15 / 83
p0 0.1116 ± 0.008405
pull
Entries 84
Mean 54.43
Std Dev 8.894

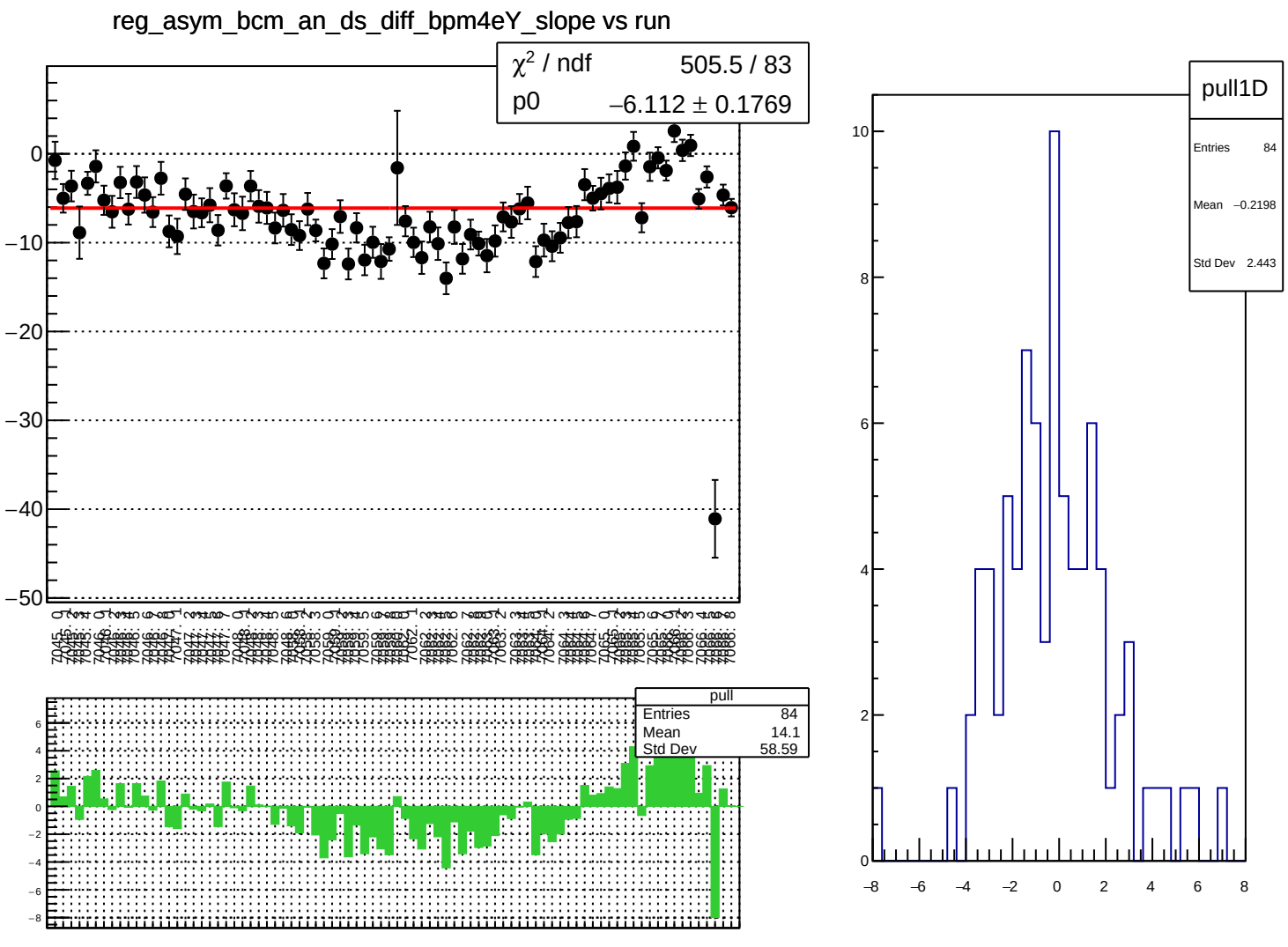

pull1D
Entries 84
Mean 0.07097
Std Dev 1.084

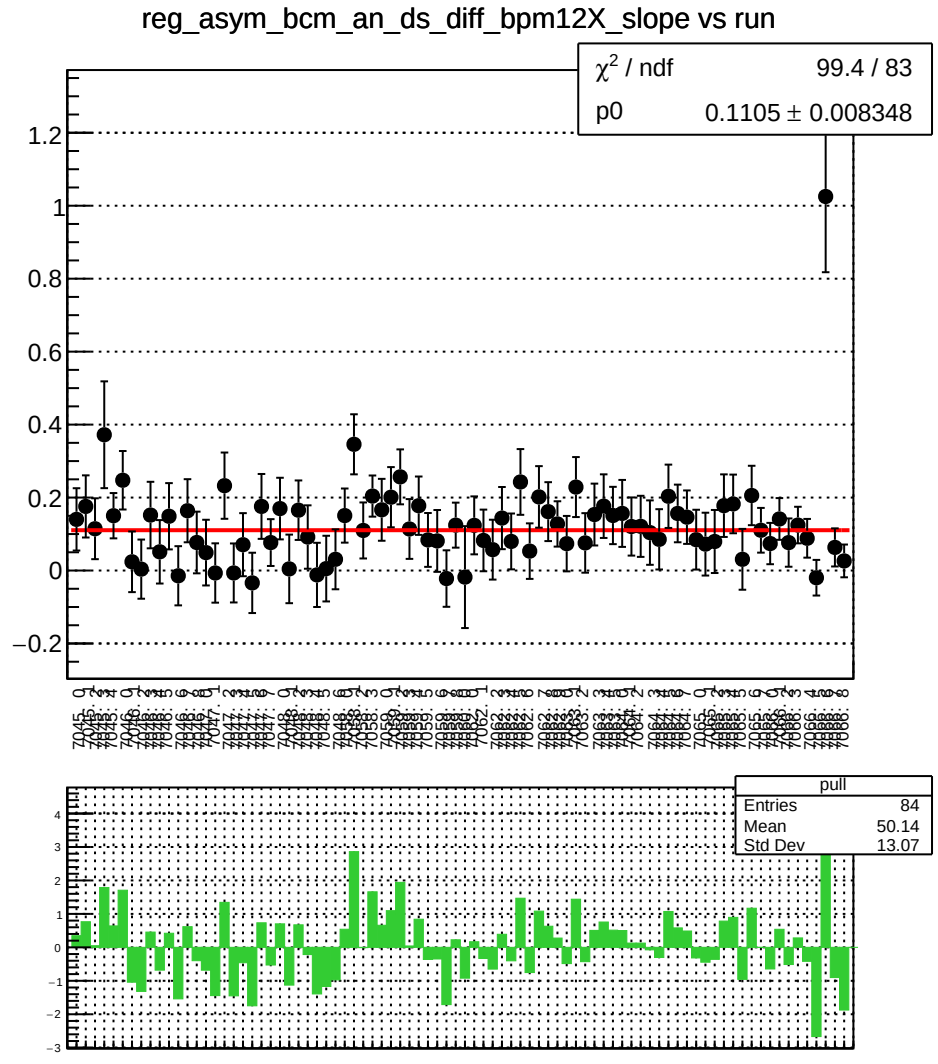

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 3462 / 83
p0 −33.24 ± 0.2331
pull
Entries 84
Mean 14.22
Std Dev 33.53
pull1D
Entries 84
Mean −1.759
Std Dev 2.685

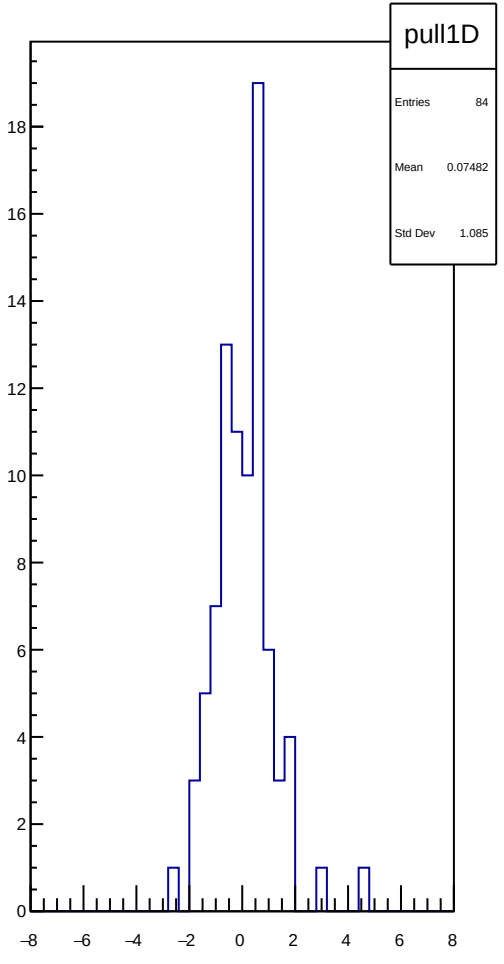

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 401.4 / 83
p0 4.15 ± 0.1662
pull
Entries 84
Mean −15.42
Std Dev 80.48

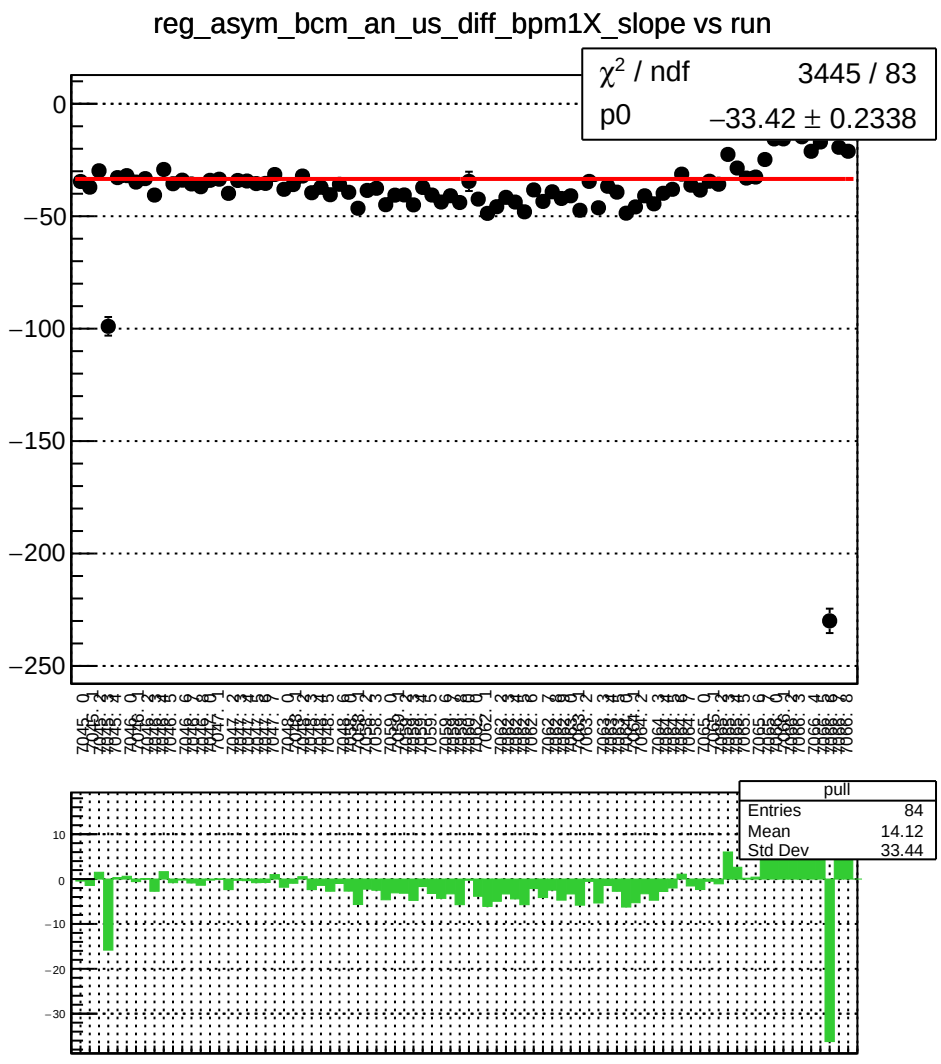

pull1D
Entries 84
Mean 0.167
Std Dev 2.179

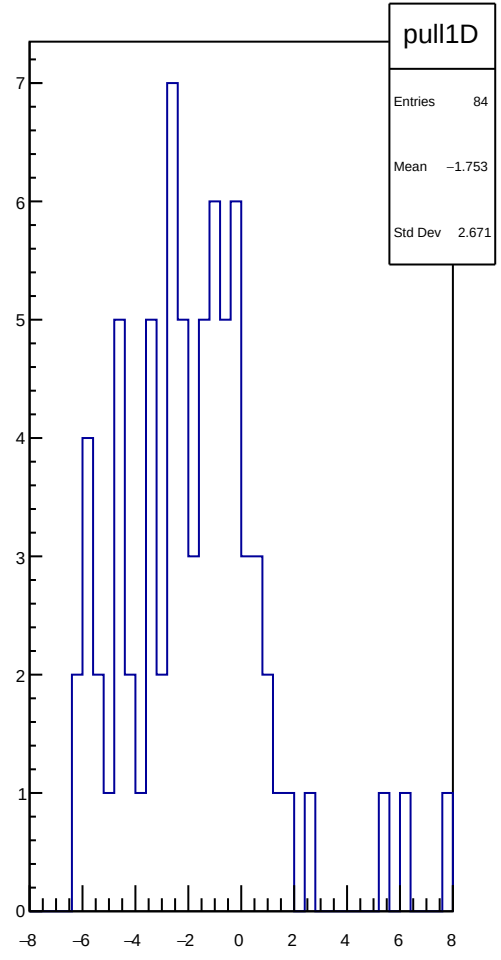

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 3358 / 83
p0 30.96 ± 0.2231
pull
Entries 84
Mean 18.24
Std Dev 31.1
pull1D
Entries 84
Mean 1.678
Std Dev 2.746

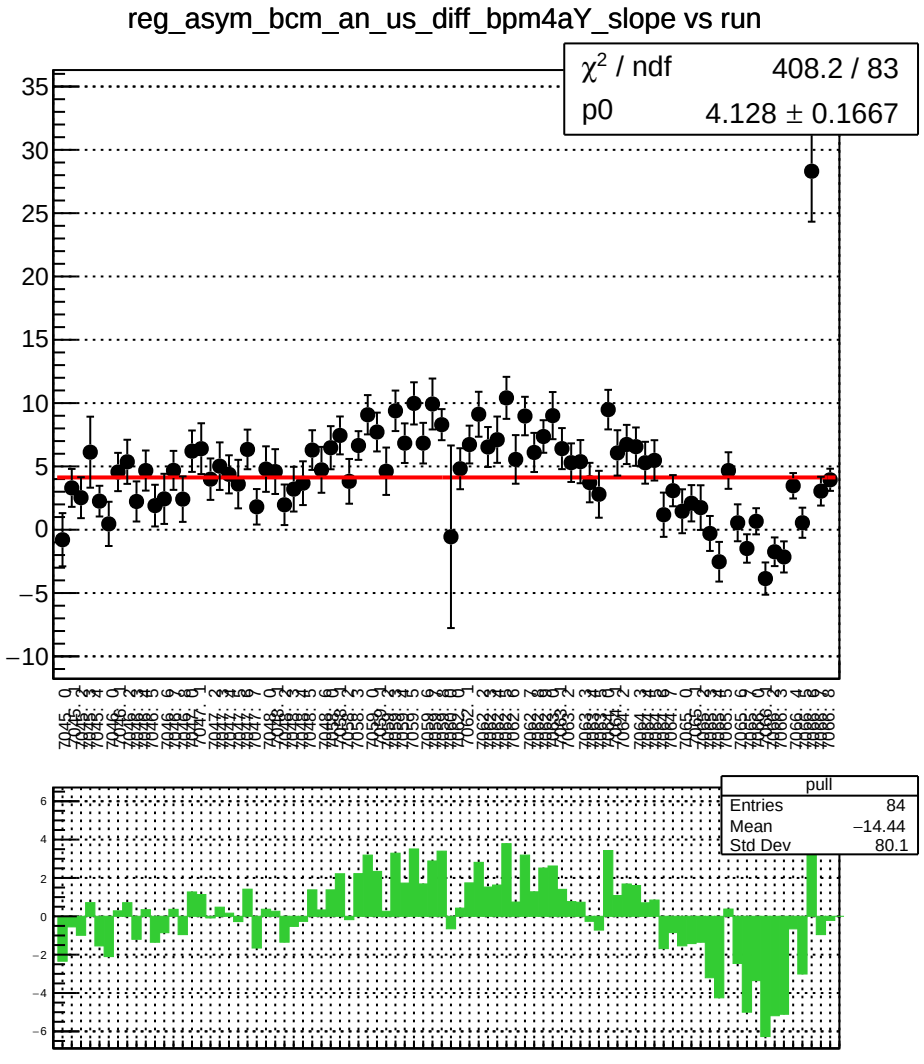

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 505.5 / 83
p0 −6.112 ± 0.1769
pull
Entries 84
Mean 14.1
Std Dev 58.59
pull1D
Entries 84
Mean −0.2198
Std Dev 2.443

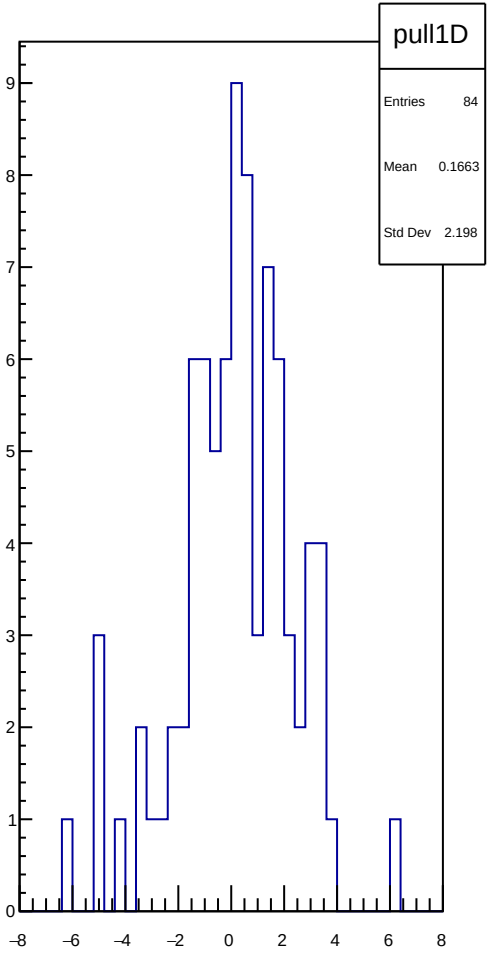

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 99.4 / 83
p0 0.1105 ± 0.008348
pull
Entries 84
Mean 50.14
Std Dev 13.07

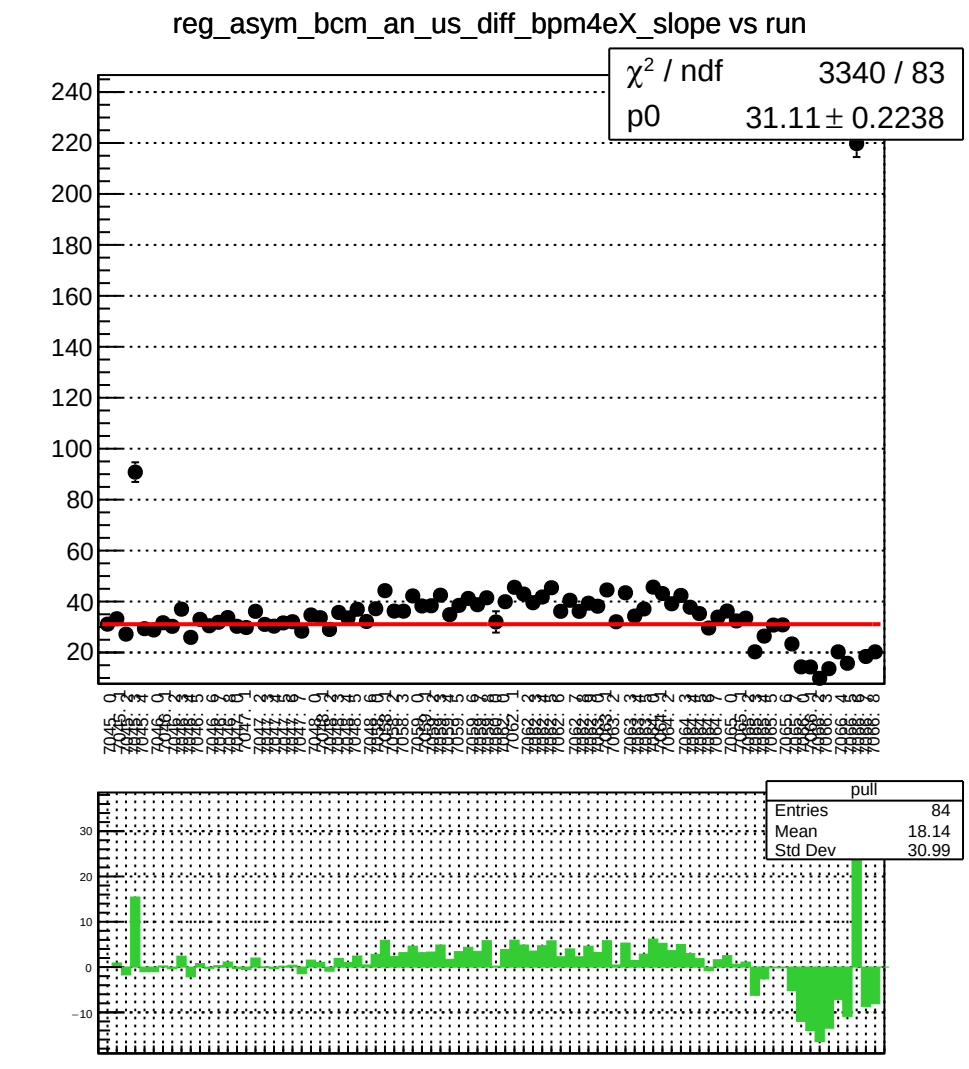

pull1D
Entries 84
Mean 0.07482
Std Dev 1.085

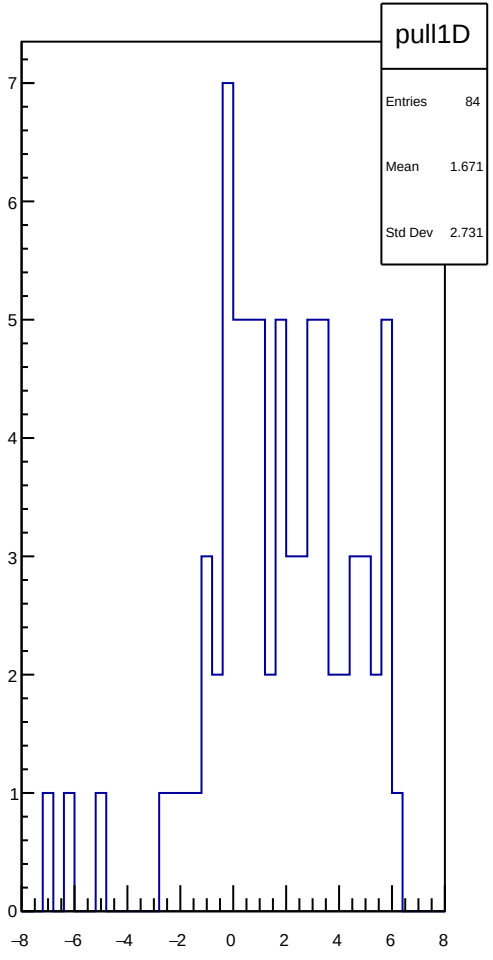

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 3445 / 83
p0 −33.42 ± 0.2338
0
−50
−100
−150
−200
−250
pull
Entries 84
Mean 14.12
Std Dev 33.44
10
0
−10
−20
−30

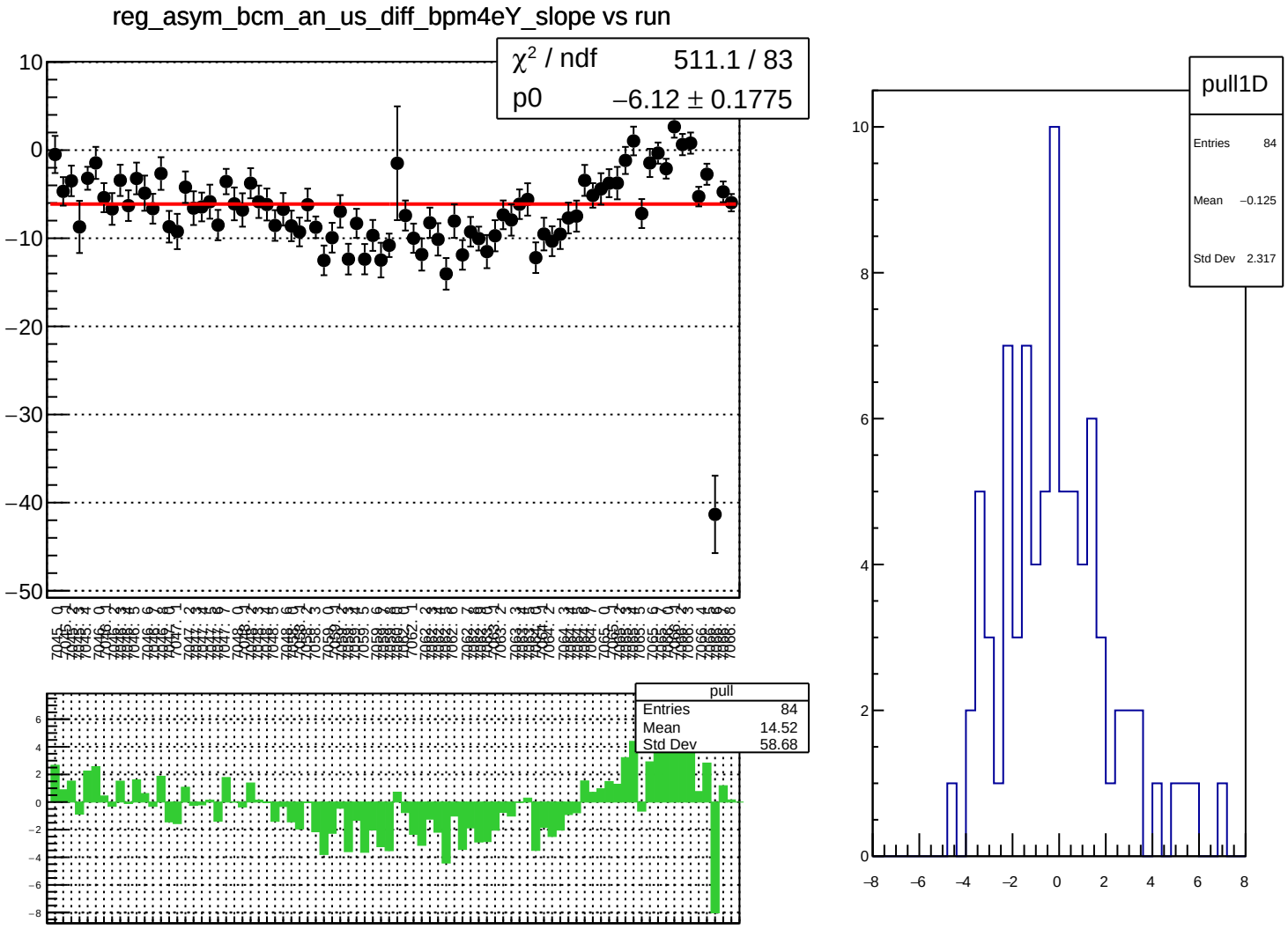

pull1D
Entries 84
Mean −1.753
Std Dev 2.671
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

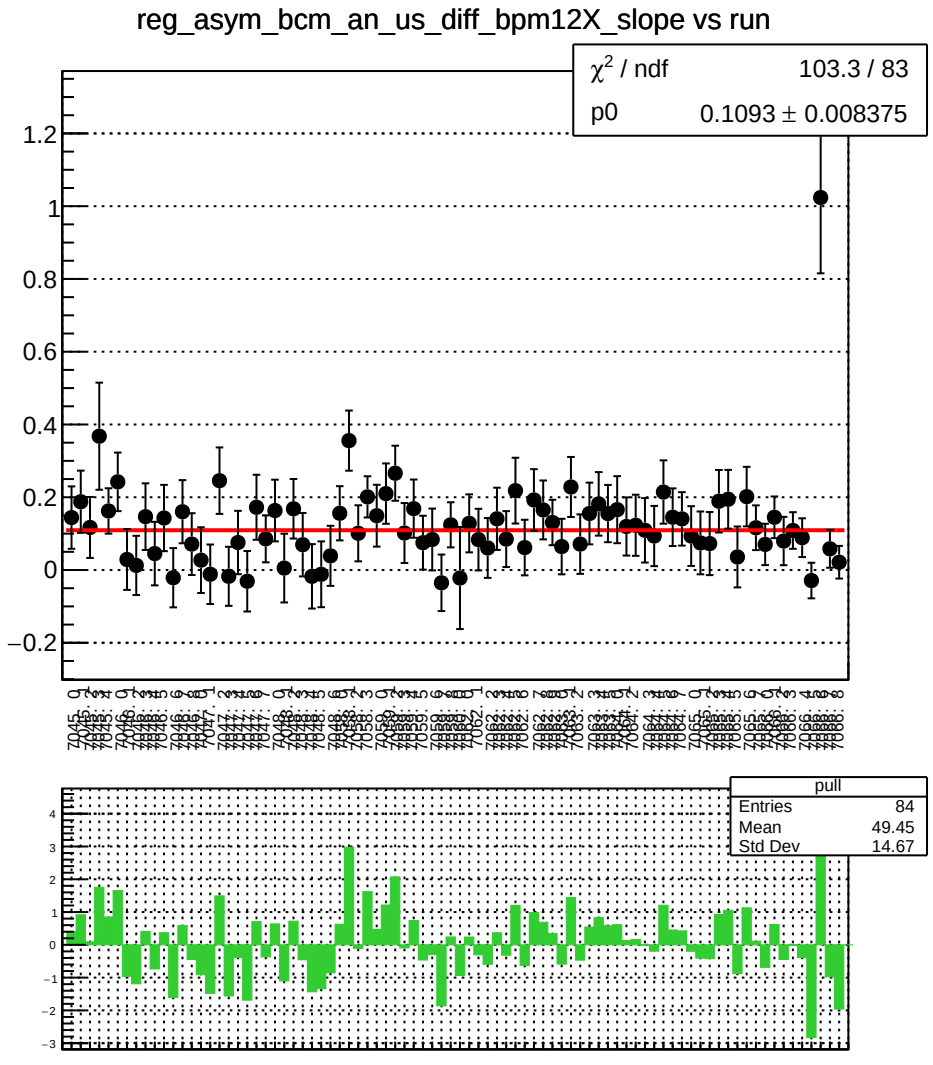

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 408.2 / 83
p0 4.128 ± 0.1667
pull
Entries 84
Mean −14.44
Std Dev 80.1

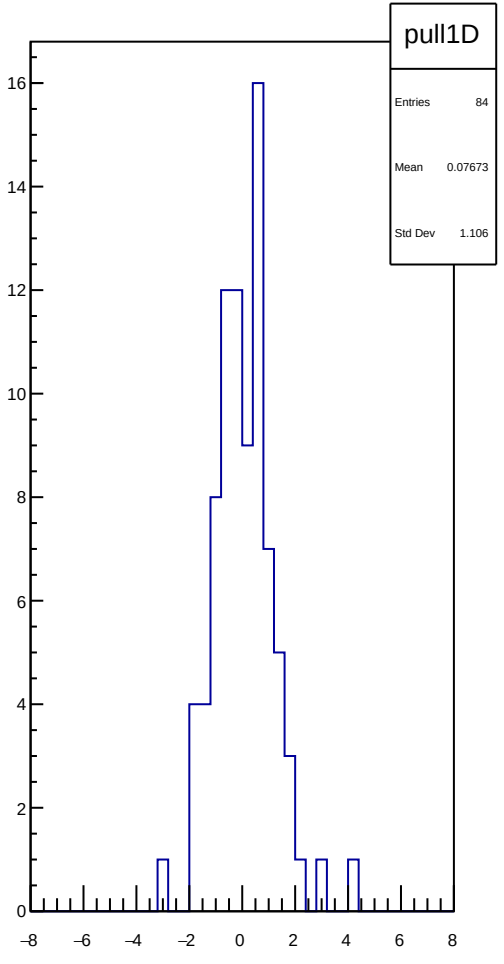

pull1D
Entries 84
Mean 0.1663
Std Dev 2.198

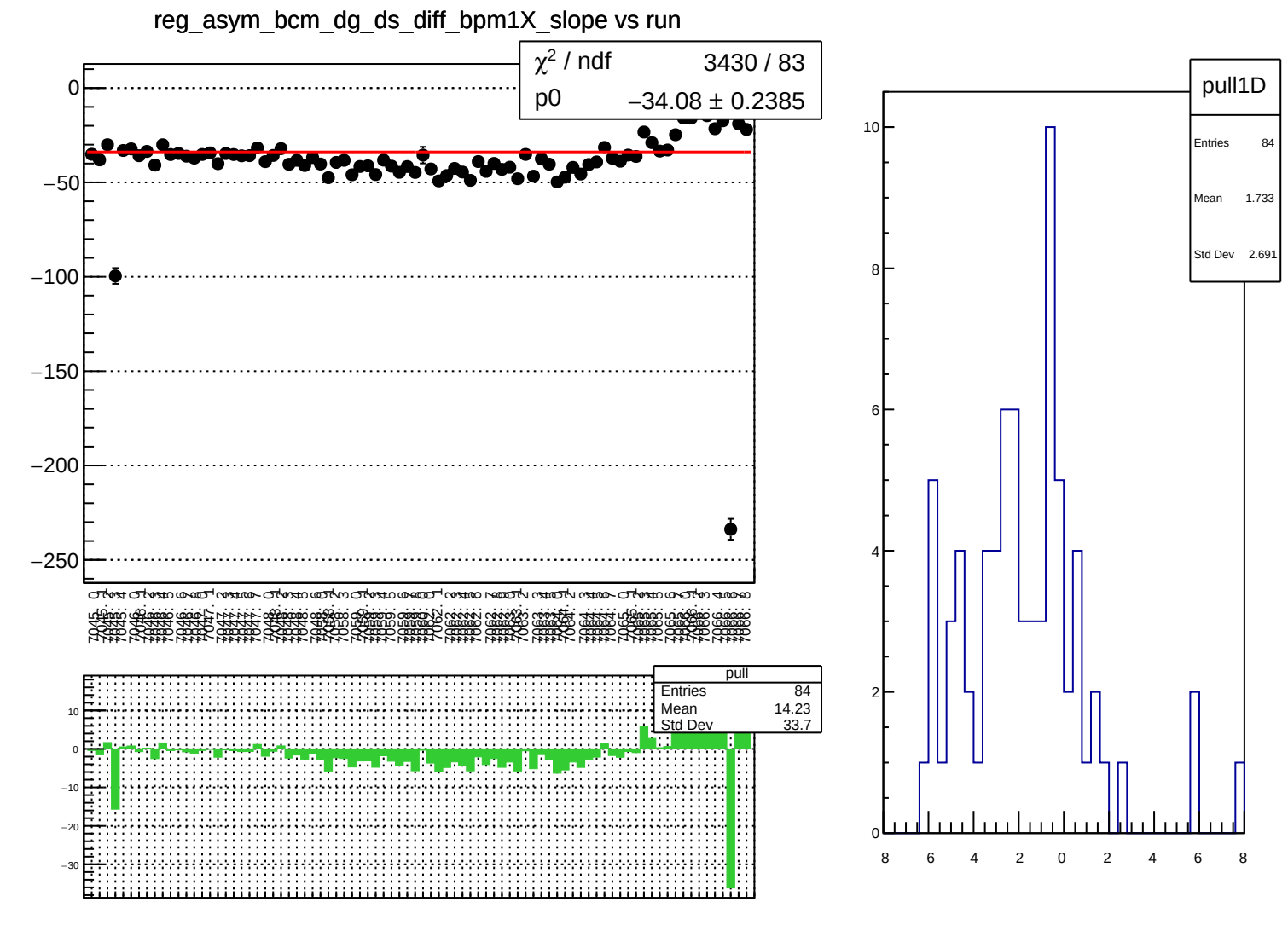

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 3340 / 83
p0 31.11 ± 0.2238
pull
Entries 84
Mean 18.14
Std Dev 30.99

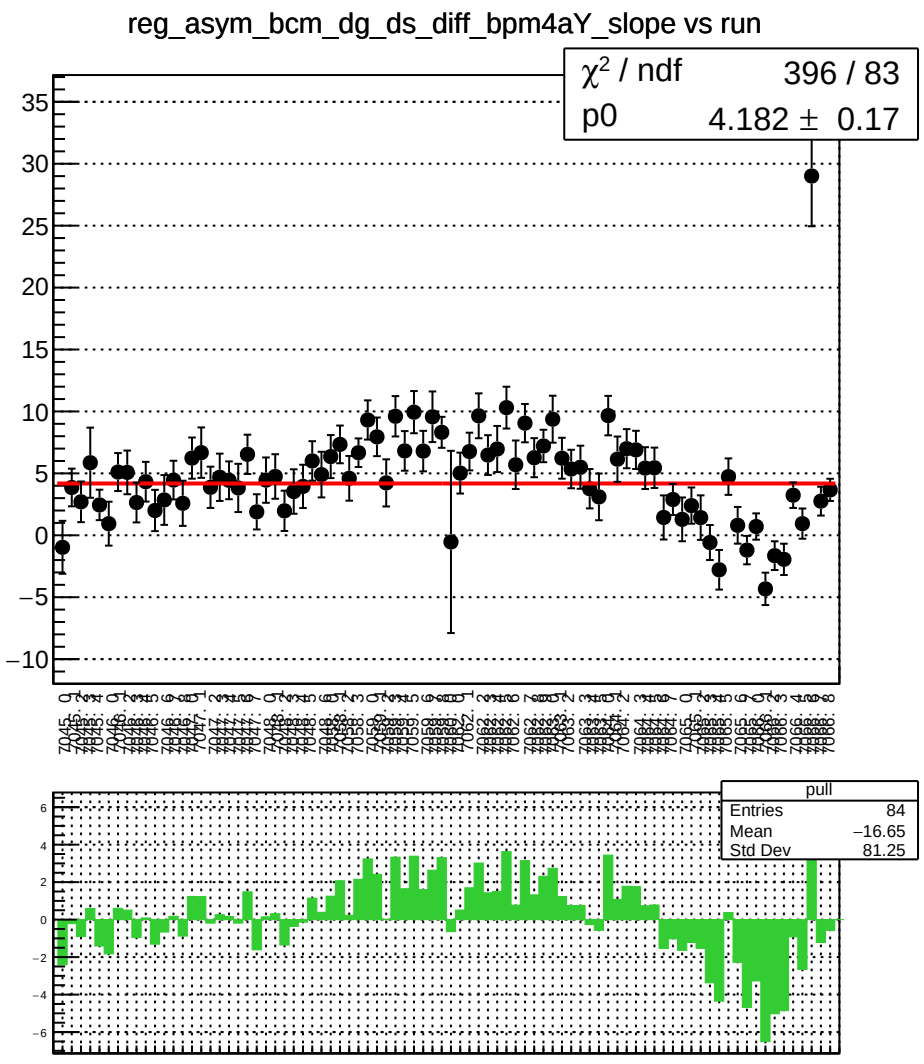

pull1D
Entries 84
Mean 1.671
Std Dev 2.731

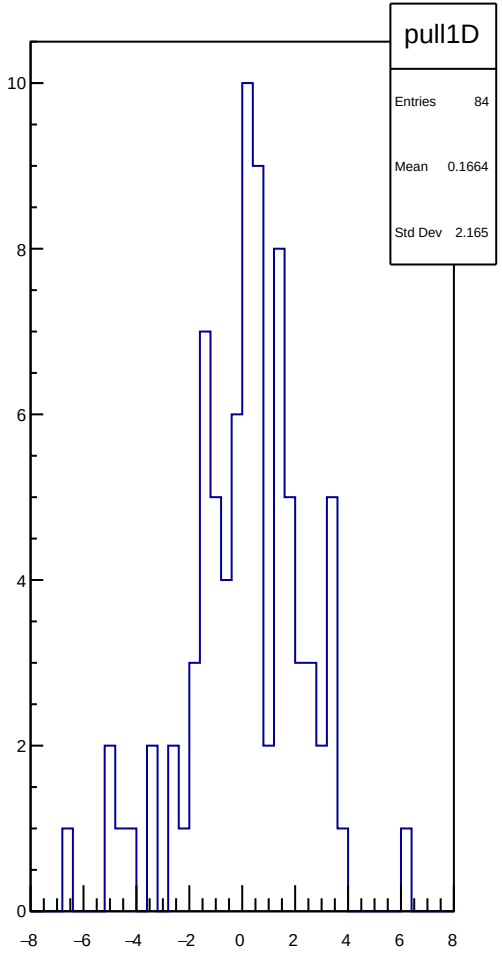

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 511.1 / 83
p0 −6.12 ± 0.1775
pull
Entries 84
Mean 14.52
Std Dev 58.68
pull1D
Entries 84
Mean −0.125
Std Dev 2.317

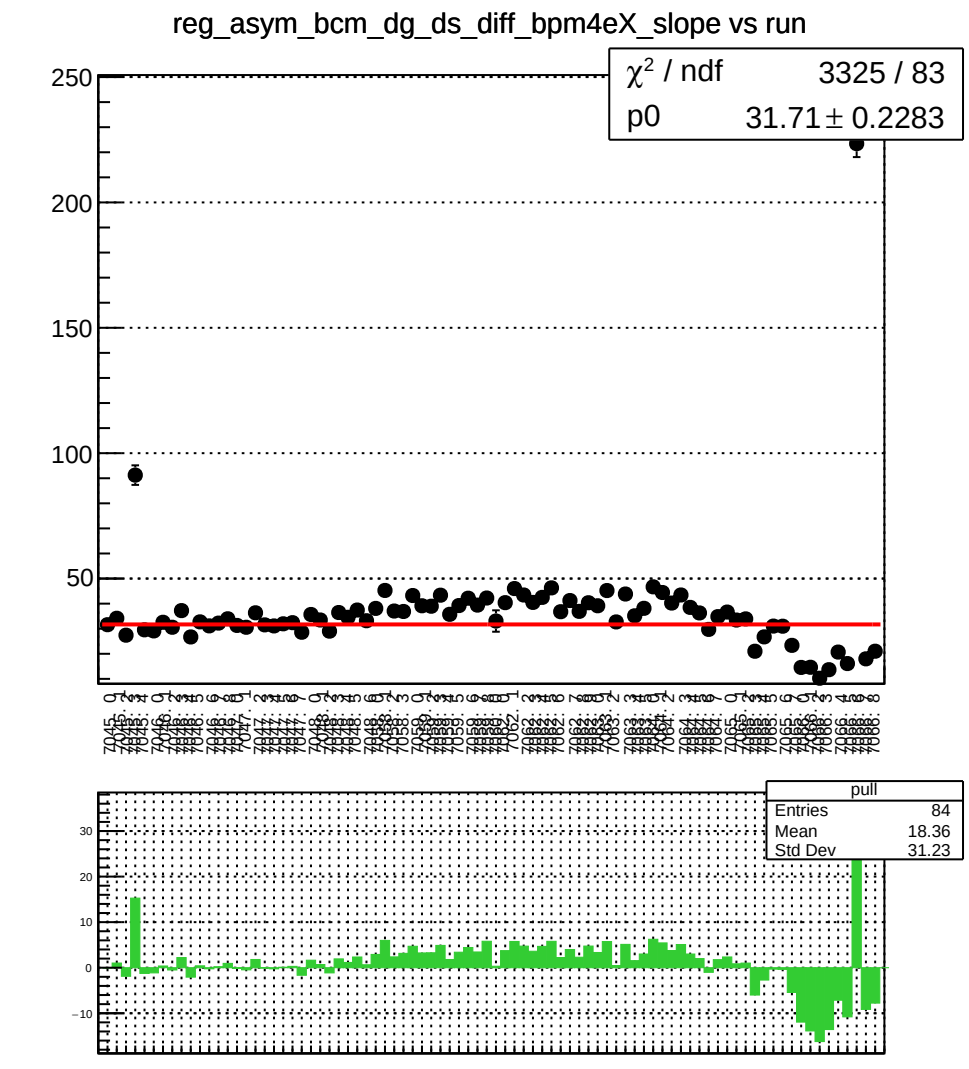

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 103.3 / 83
p0 0.1093 ± 0.008375
pull
Entries 84
Mean 49.45
Std Dev 14.67

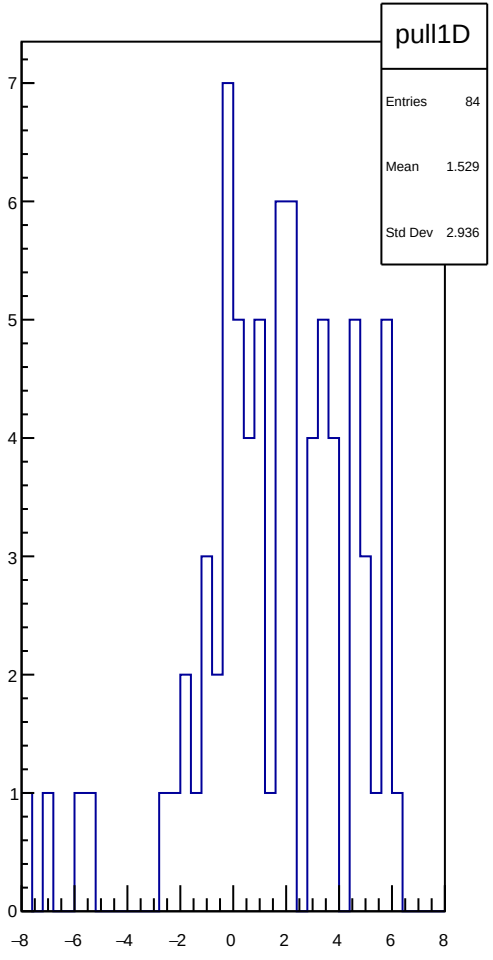

pull1D
Entries 84
Mean 0.07673
Std Dev 1.106

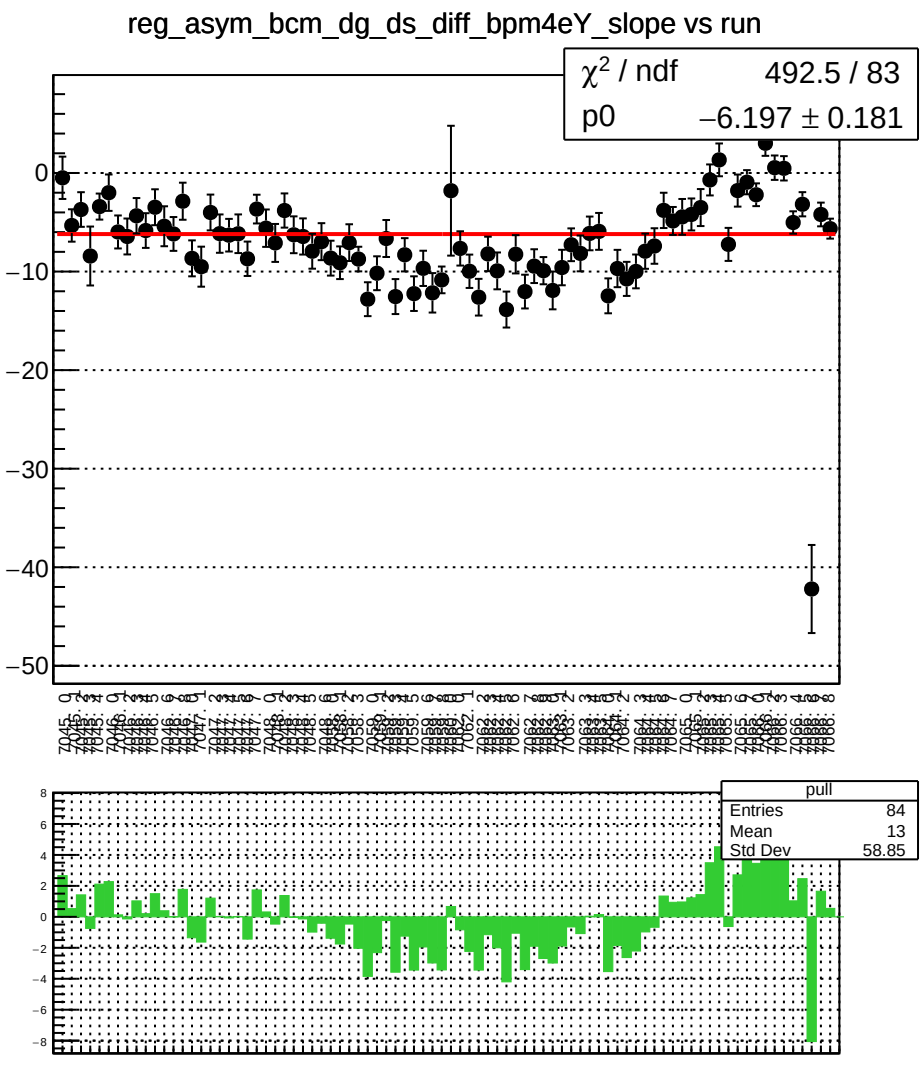

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 3430 / 83
p0 −34.08 ± 0.2385
pull
Entries 84
Mean 14.23
Std Dev 33.7
pull1D
Entries 84
Mean −1.733
Std Dev 2.691

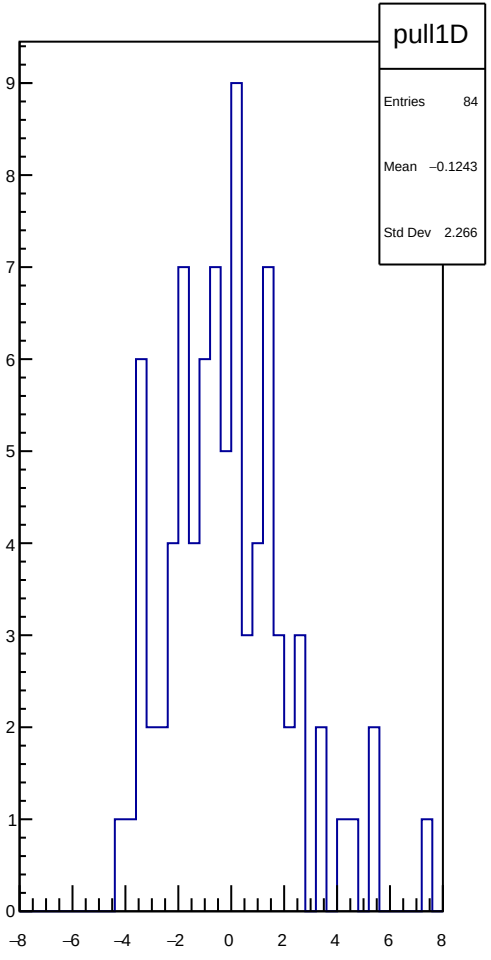

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 396 / 83
p0 4.182 ± 0.17
pull
Entries 84
Mean −16.65
Std Dev 81.25

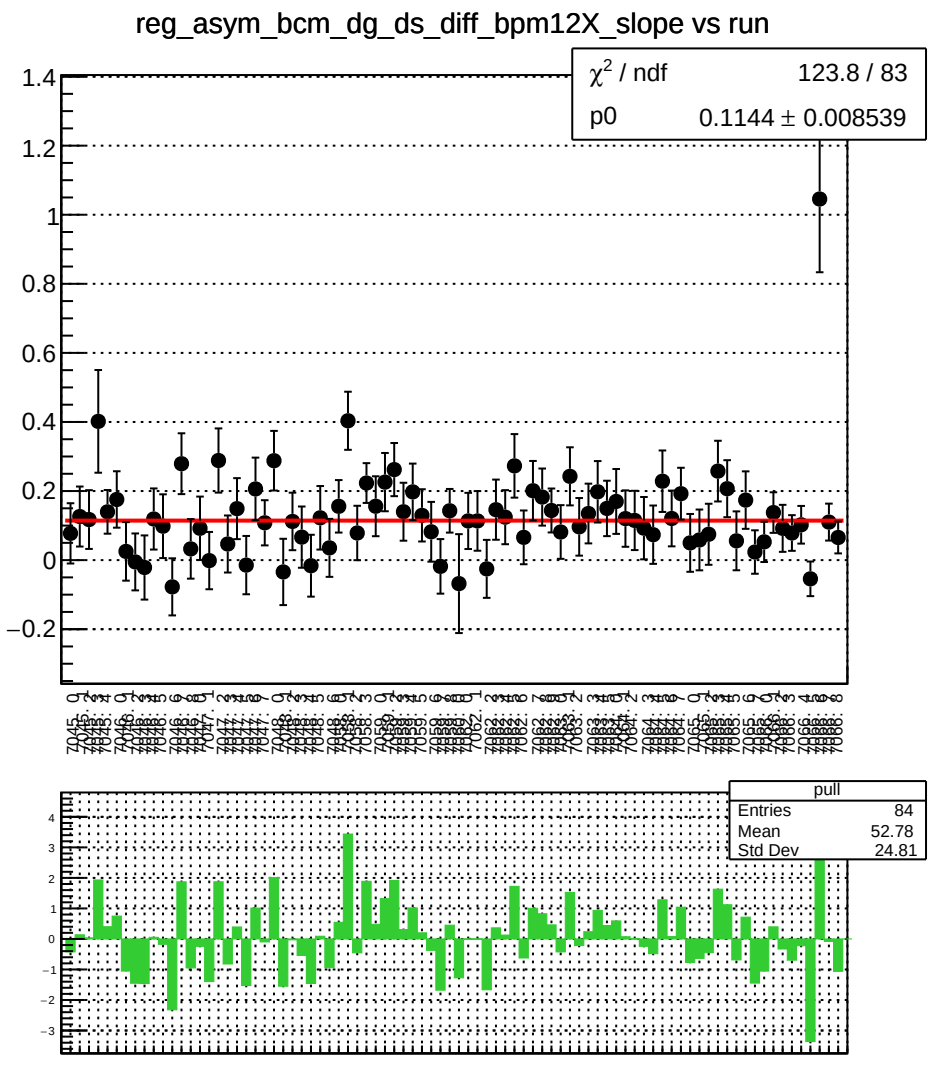

pull1D
Entries 84
Mean 0.1664
Std Dev 2.165

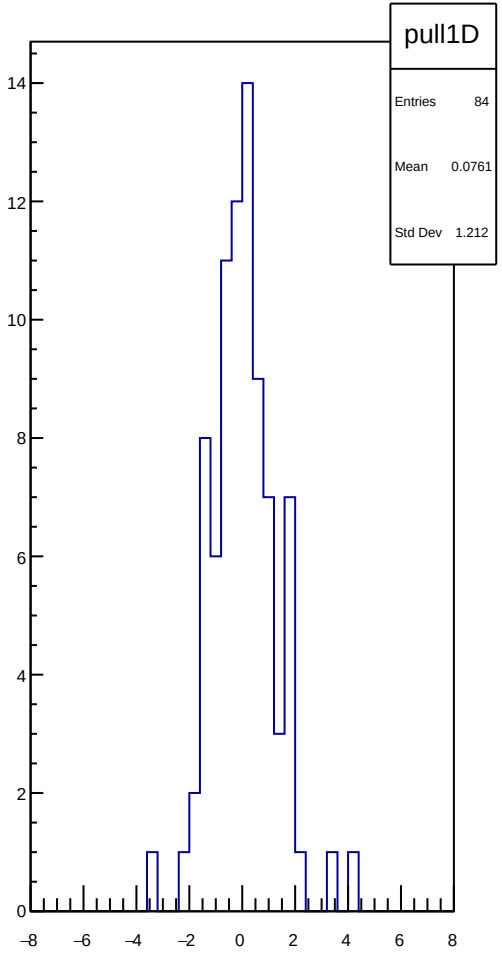

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 3325 / 83
p0 31.71 ± 0.2283
250
200
150
100
50
pull
Entries 84
Mean 18.36
Std Dev 31.23
30
20
10
0
−10

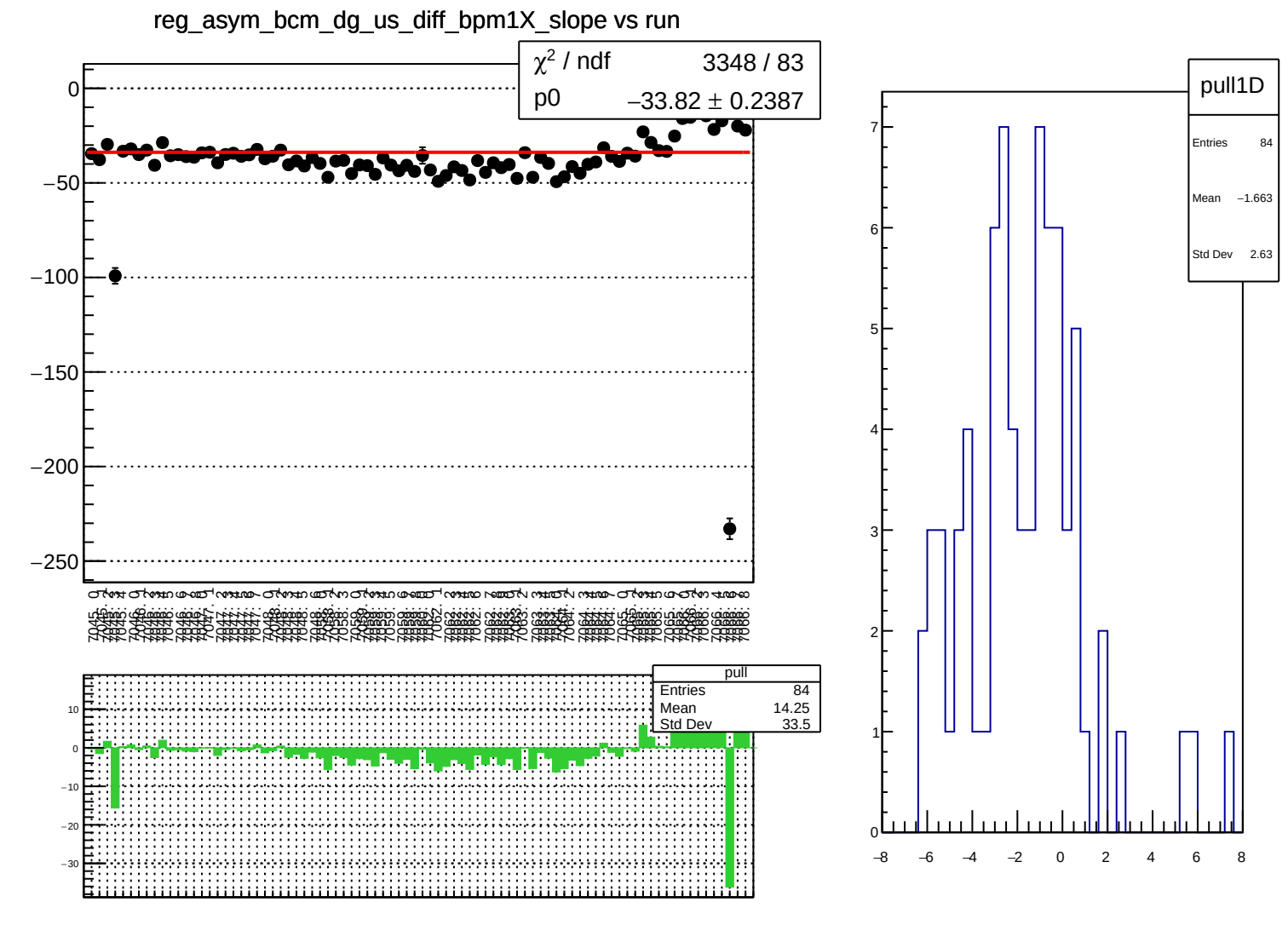

pull1D
Entries 84
Mean 1.529
Std Dev 2.936
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

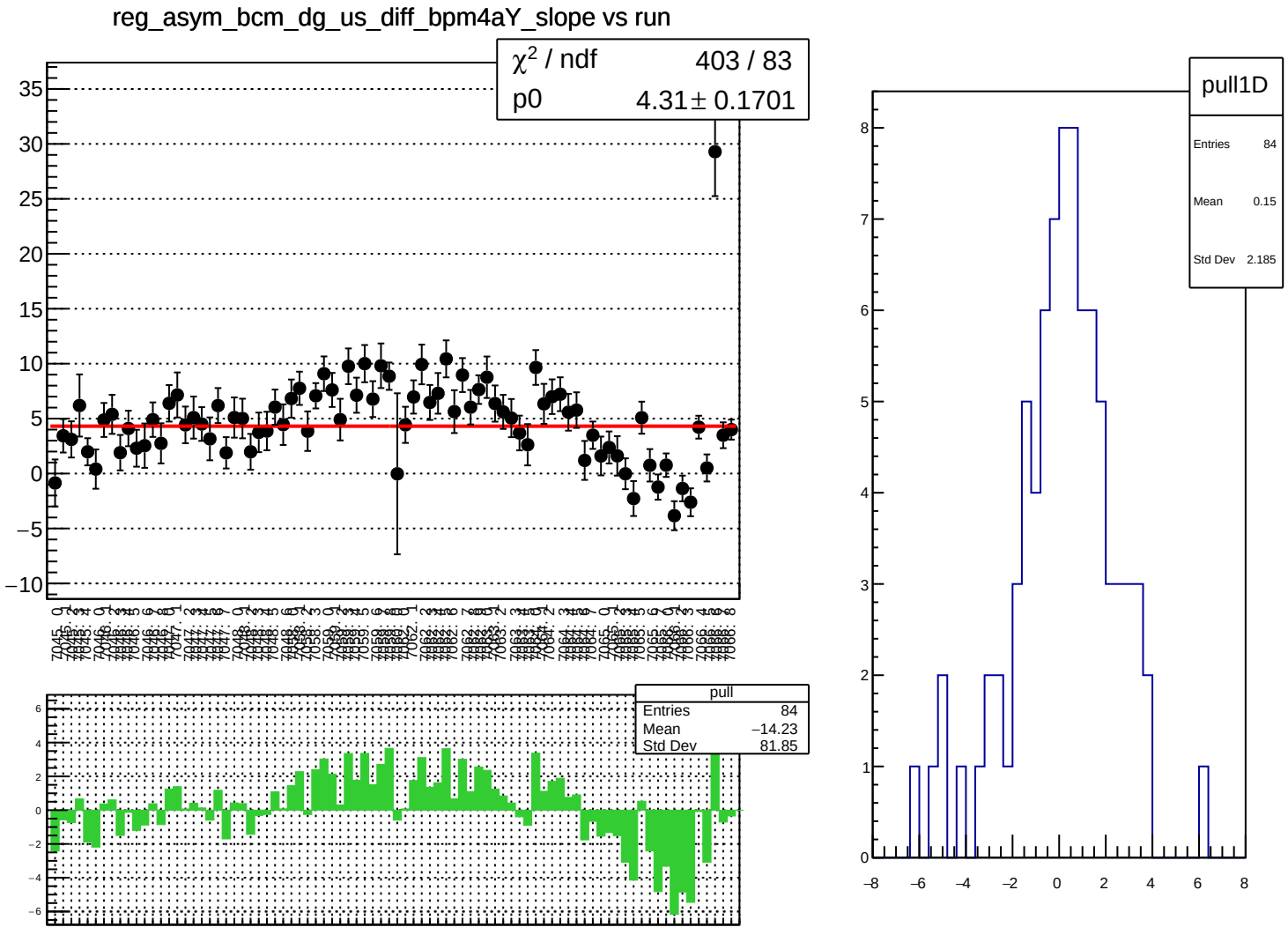

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 492.5 / 83
p0 −6.197 ± 0.181
pull
Entries 84
Mean 13
Std Dev 58.85

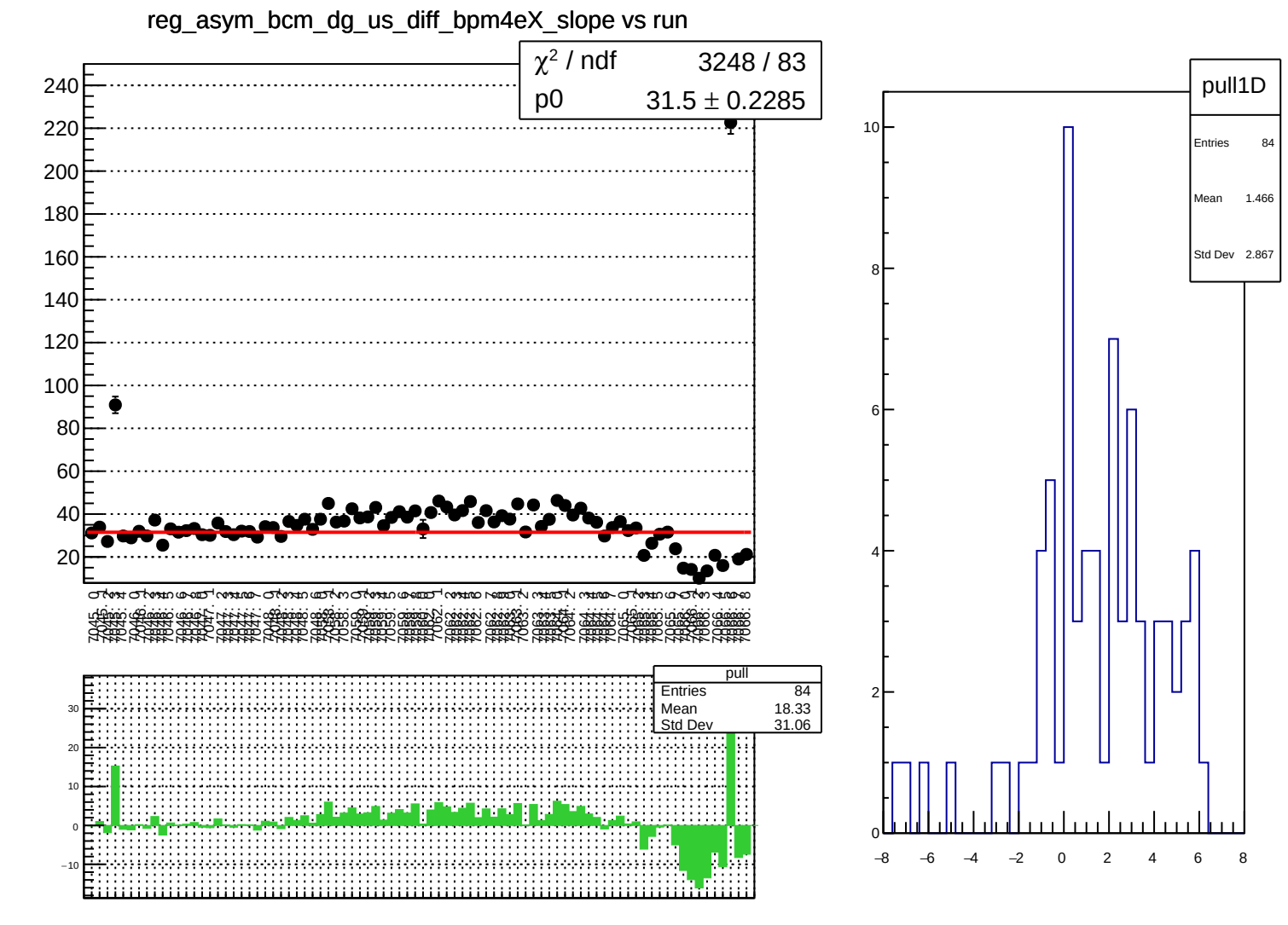

pull1D
Entries 84
Mean −0.1243
Std Dev 2.266

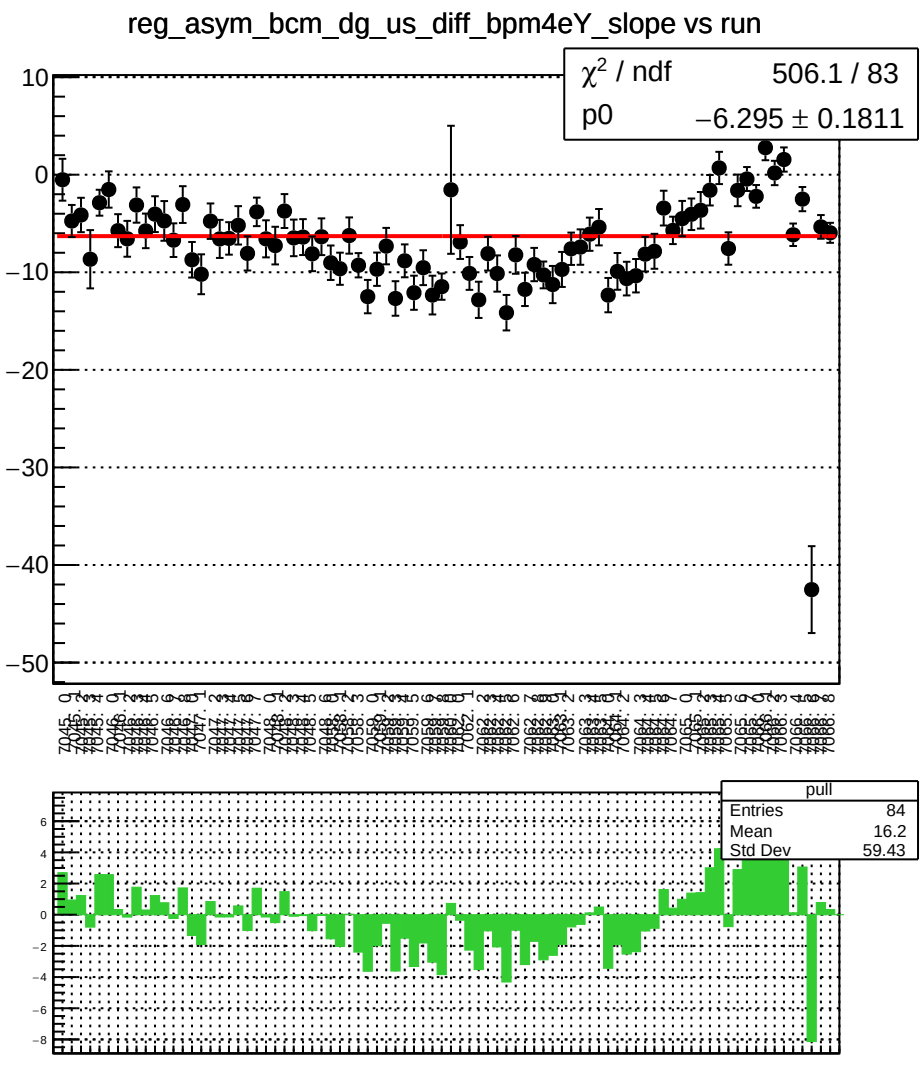

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 123.8 / 83
p0 0.1144 ± 0.008539
pull
Entries 84
Mean 52.78
Std Dev 24.81

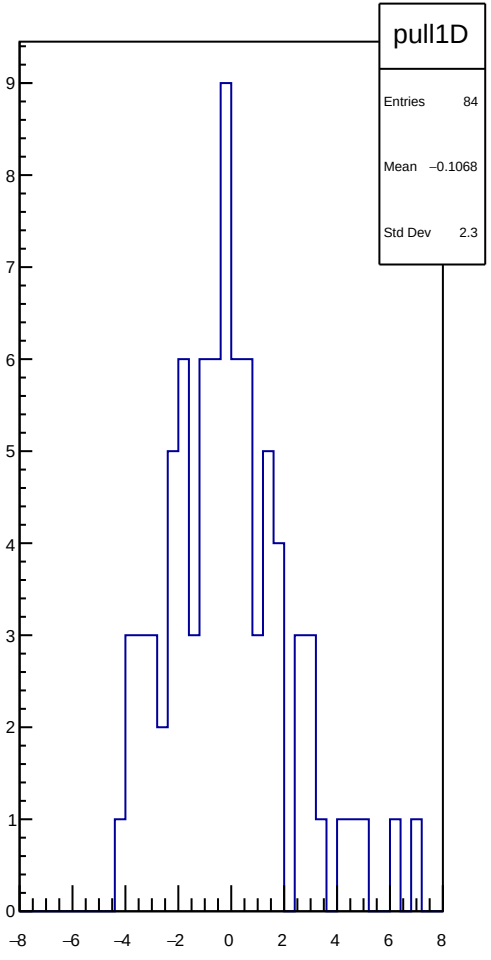

pull1D
Entries 84
Mean 0.0761
Std Dev 1.212

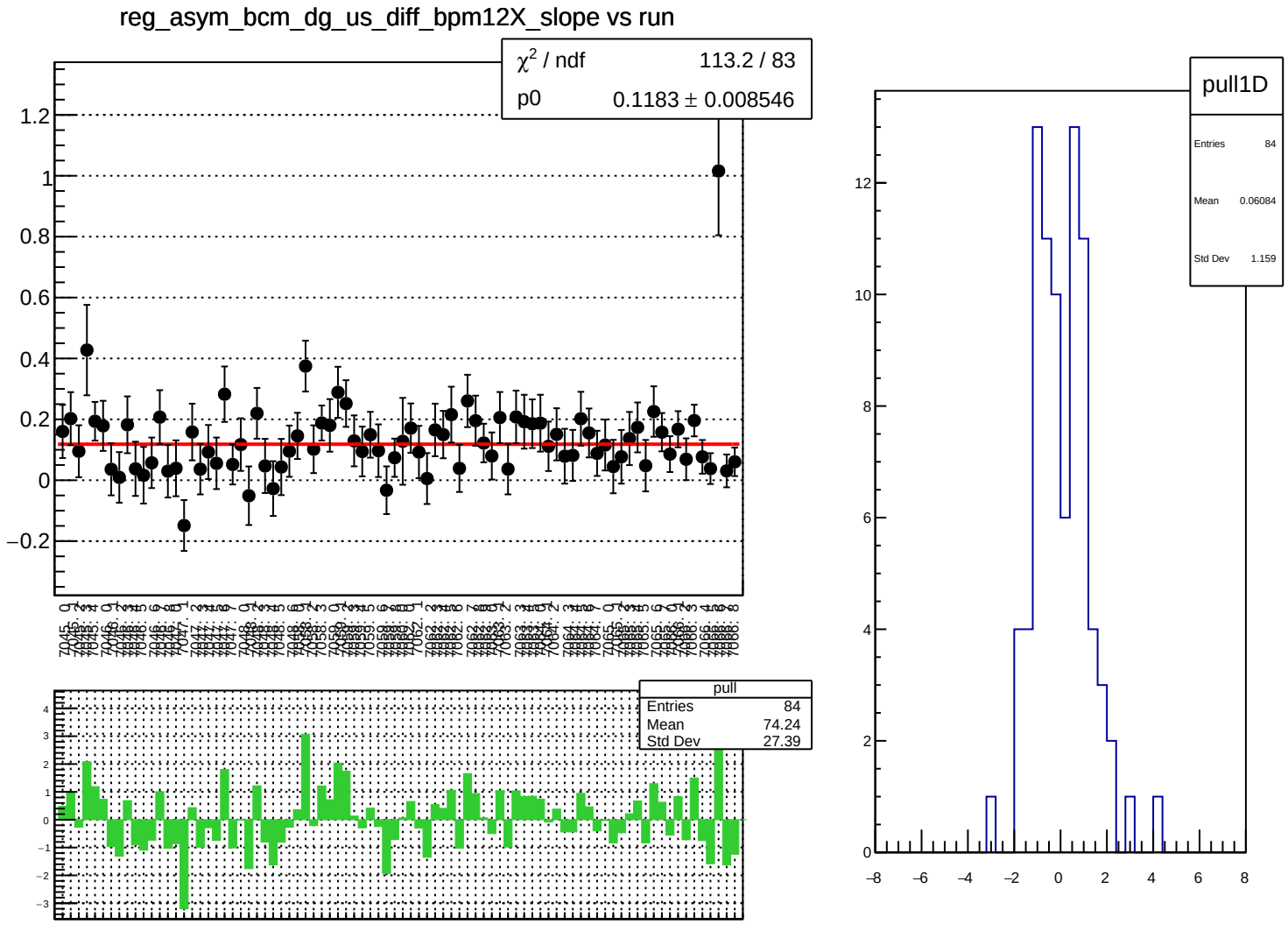

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 3348 / 83
p0 −33.82 ± 0.2387
pull
Entries 84
Mean 14.25
Std Dev 33.5
pull1D
Entries 84
Mean −1.663
Std Dev 2.63


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 403 / 83
p0 4.31 ± 0.1701
pull
Entries 84
Mean −14.23
Std Dev 81.85
pull1D
Entries 84
Mean 0.15
Std Dev 2.185


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 3248 / 83
p0 31.5 ± 0.2285
pull
Entries 84
Mean 18.33
Std Dev 31.06
pull1D
Entries 84
Mean 1.466
Std Dev 2.867


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 506.1 / 83
p0 −6.295 ± 0.1811
pull
Entries 84
Mean 16.2
Std Dev 59.43


pull1D
Entries 84
Mean −0.1068
Std Dev 2.3


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 113.2 / 83
p0 0.1183 ± 0.008546
pull
Entries 84
Mean 74.24
Std Dev 27.39
pull1D
Entries 84
Mean 0.06084
Std Dev 1.159