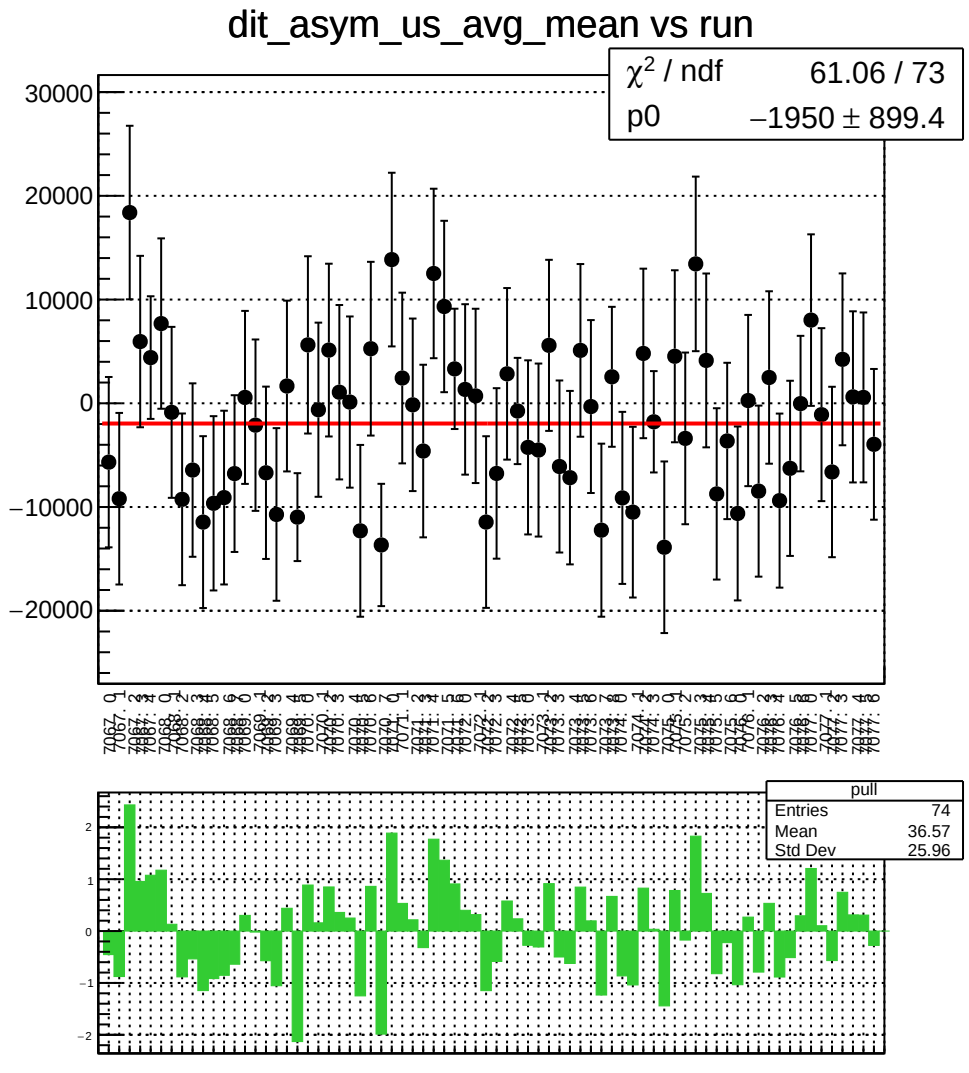
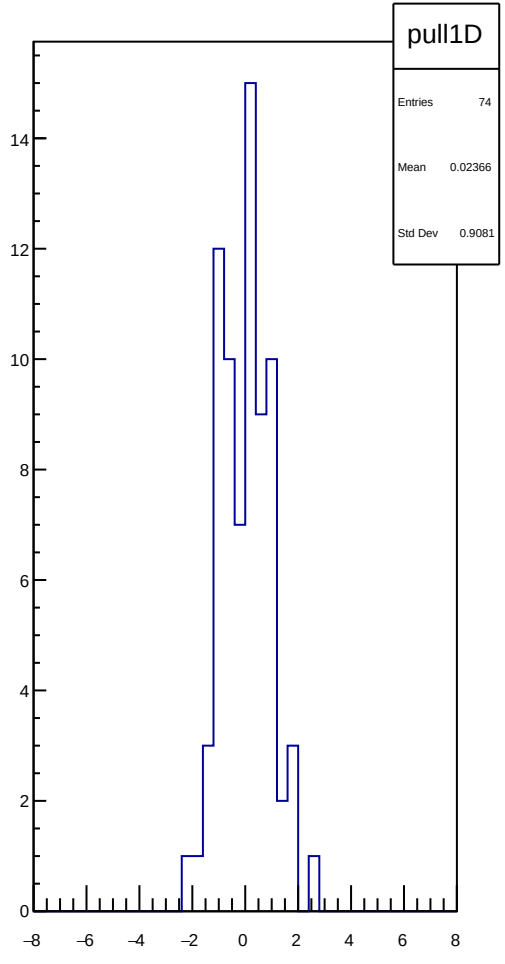
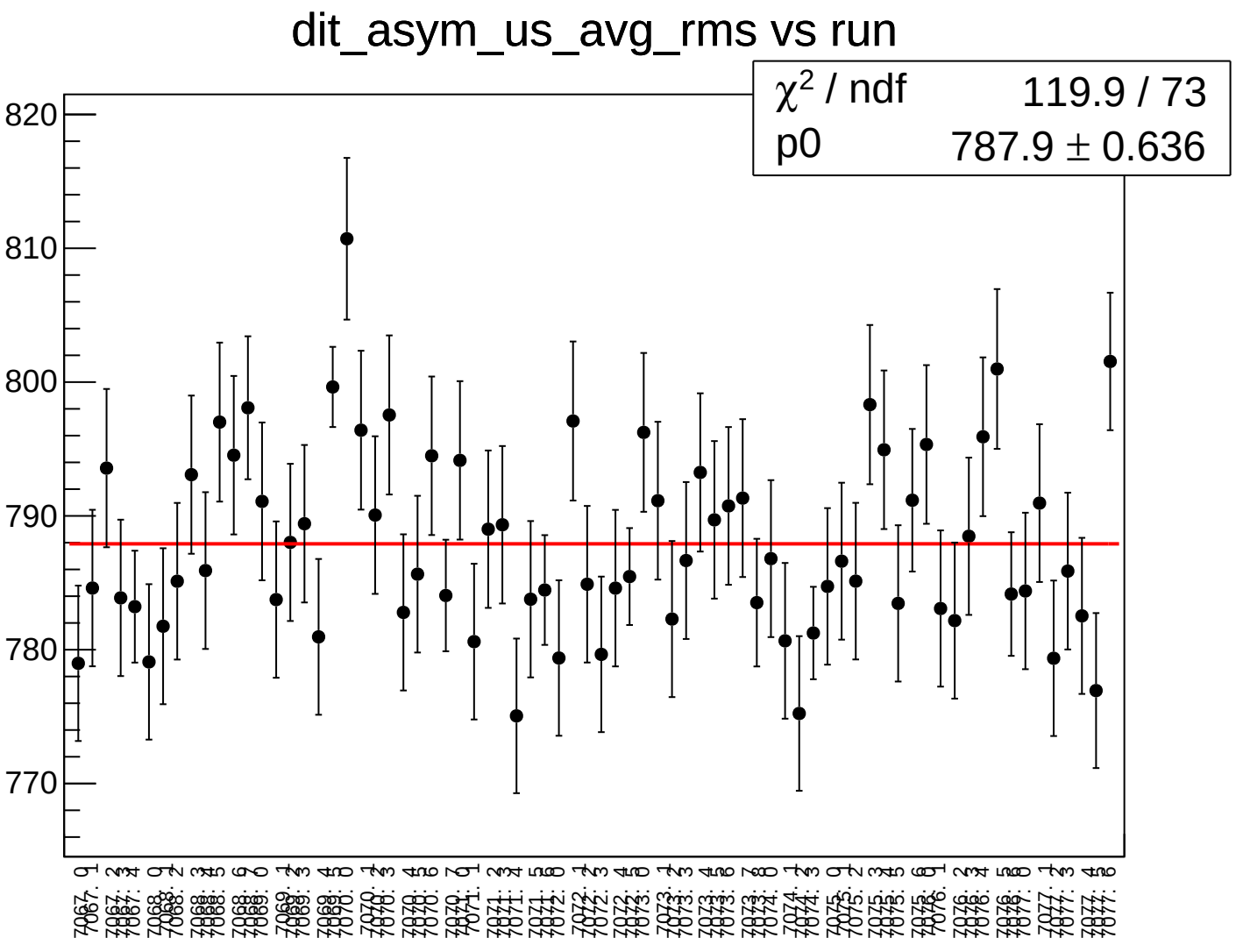
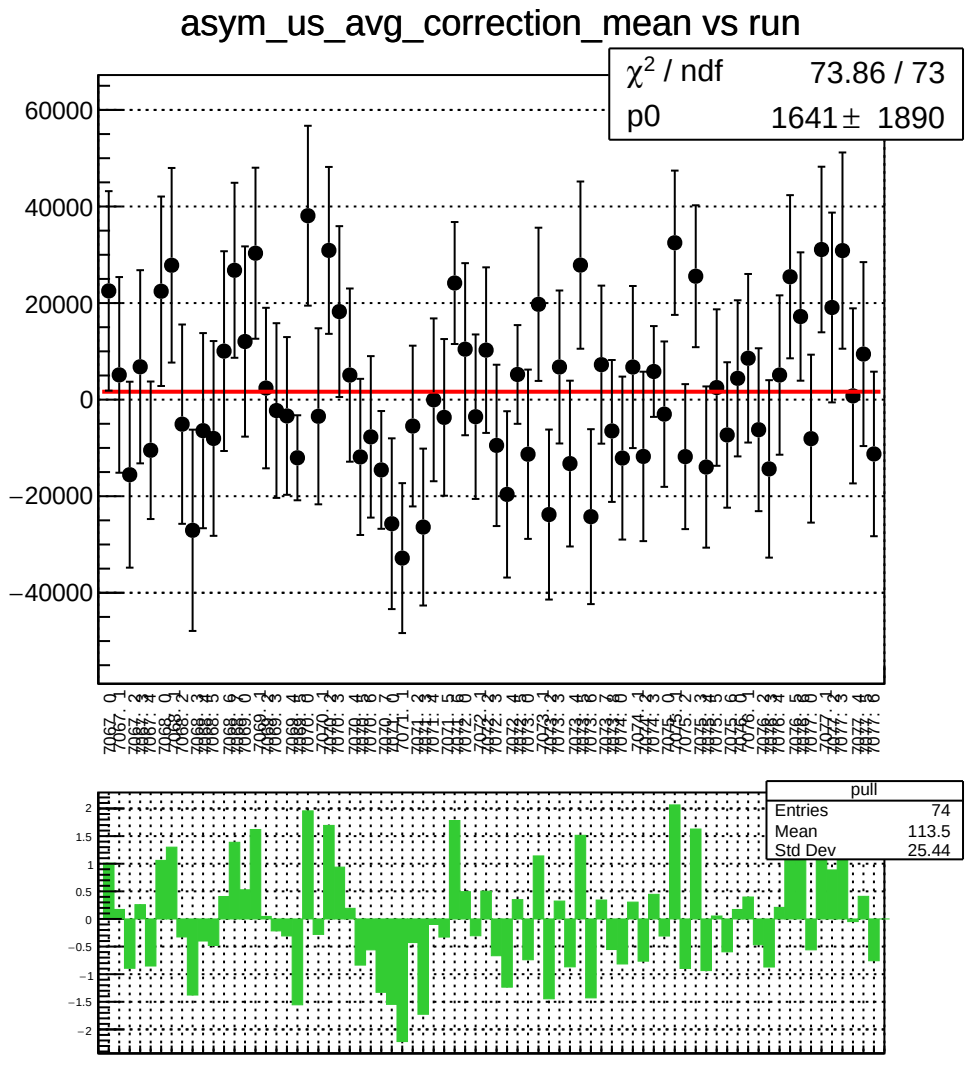
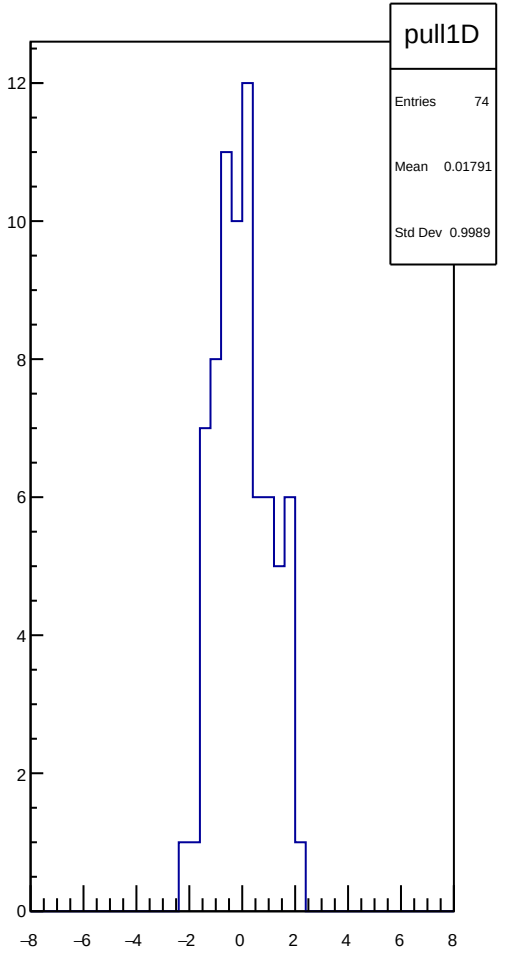
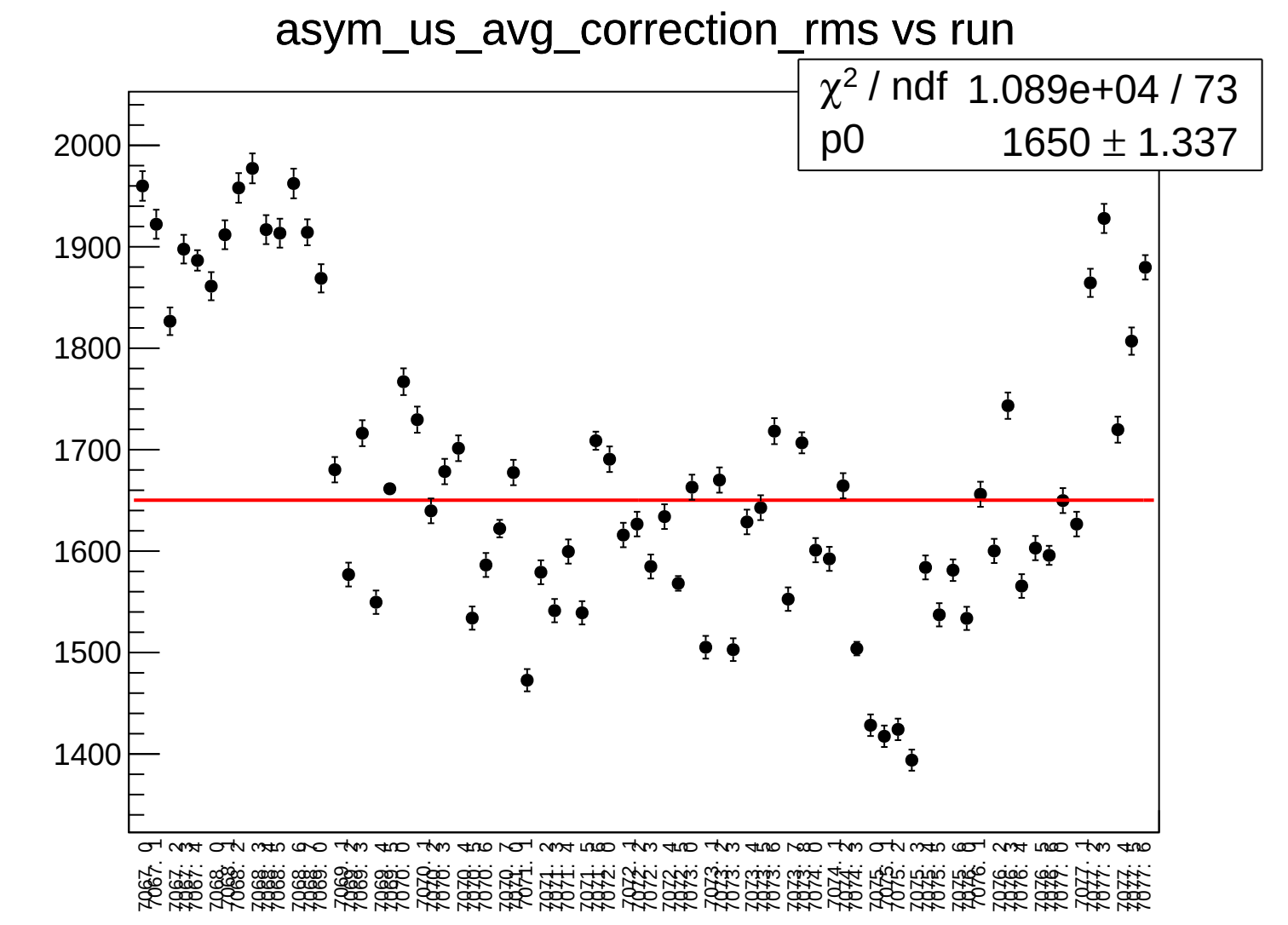

dit_asym_us_avg_mean vs run
χ² / ndf 61.06 / 73
p0 −1950 ± 899.4
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 36.57
Std Dev 25.96
2
1
0
−1
−2

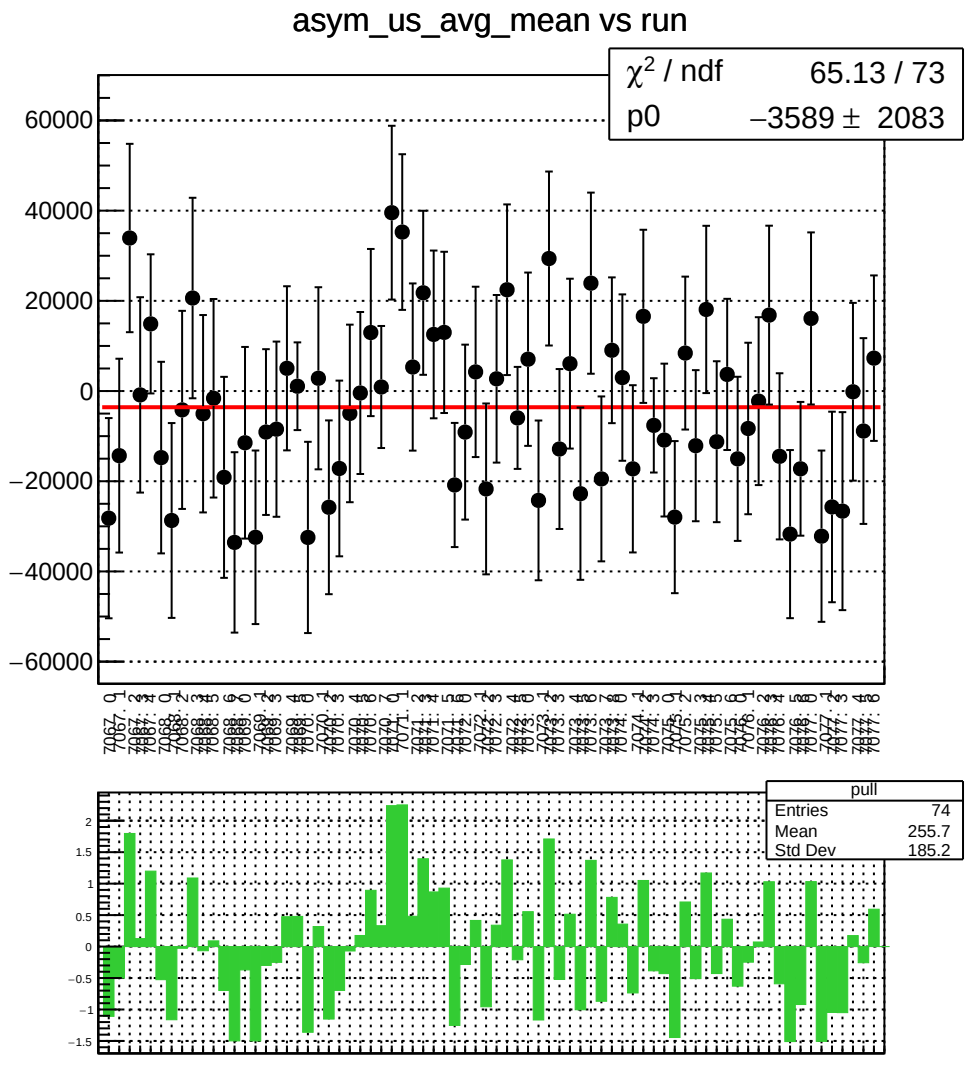

pull1D
Entries 74
Mean 0.02366
Std Dev 0.9081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

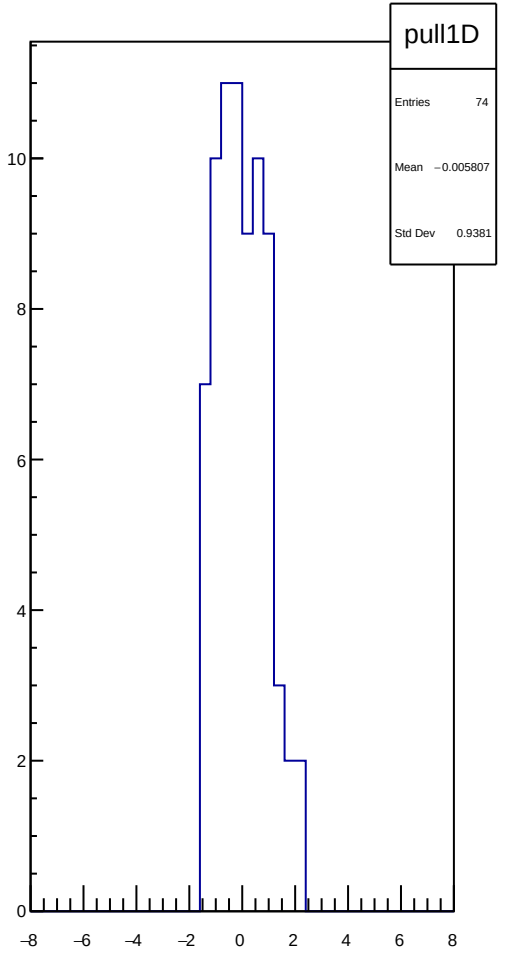

dit_asym_us_avg_rms vs run
χ² / ndf 119.9 / 73
p0 787.9 ± 0.636
820
810
800
790
780
770

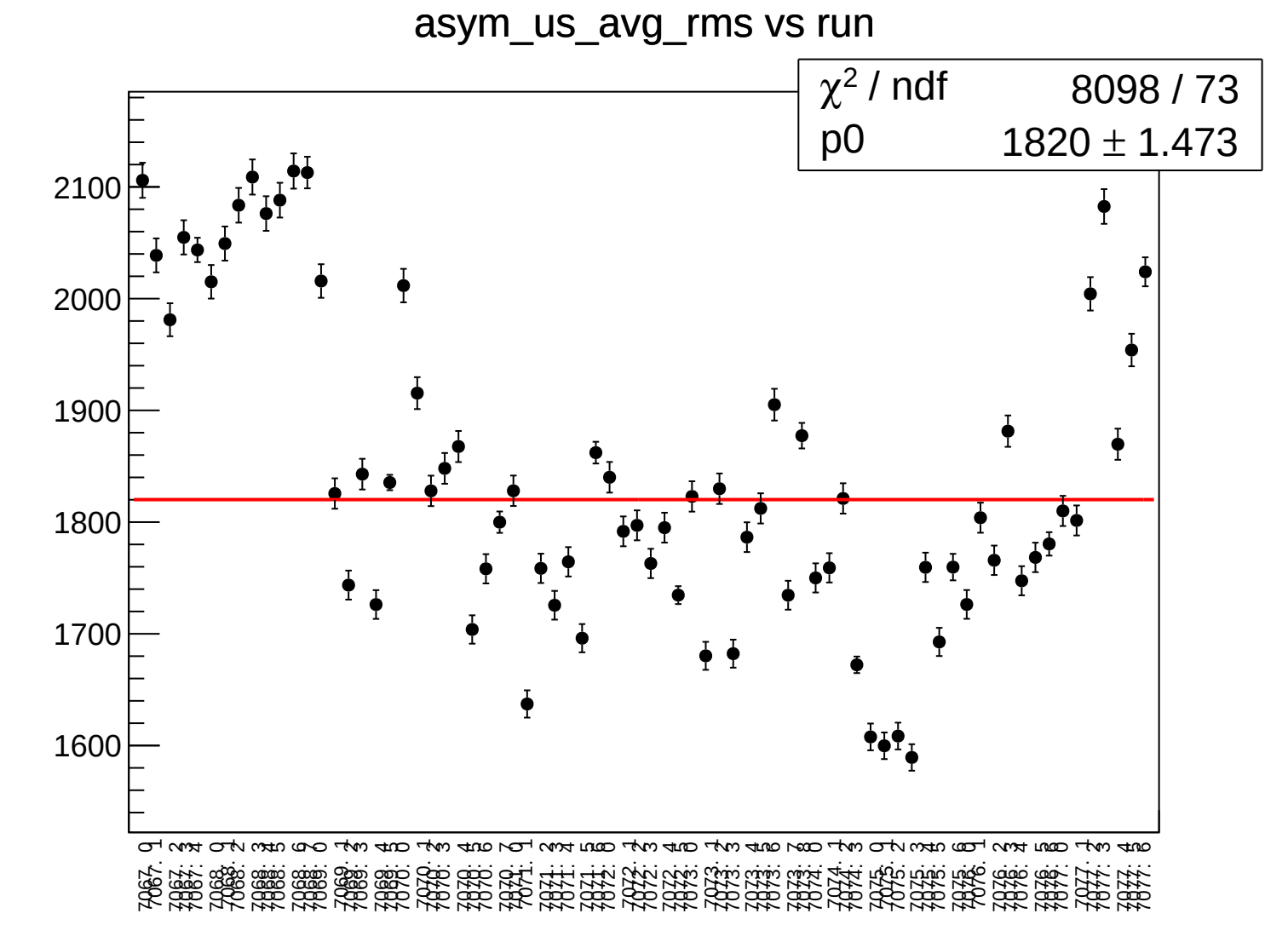

asym_us_avg_correction_mean vs run
χ² / ndf 73.86 / 73
p0 1641 ± 1890
60000
40000
20000
0
−20000
−40000
pull
Entries 74
Mean 113.5
Std Dev 25.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

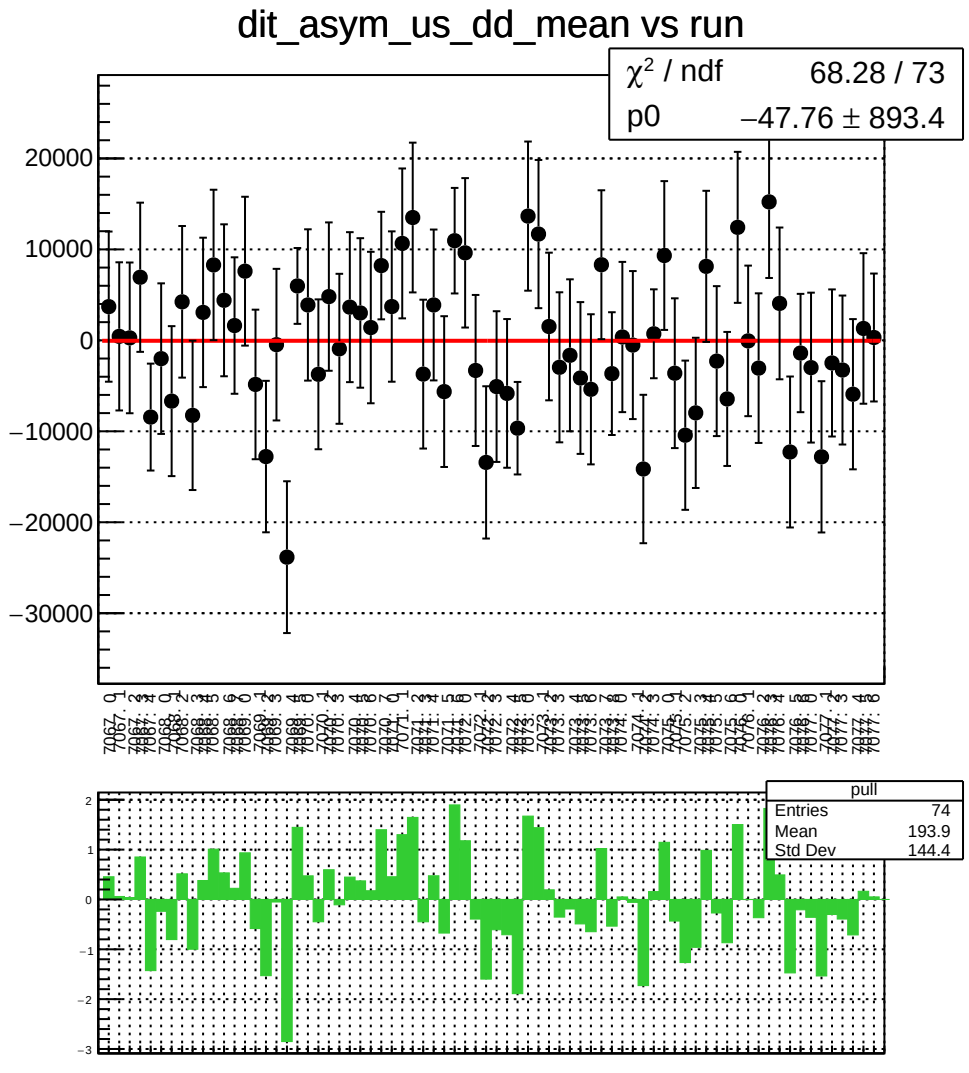

pull1D
Entries 74
Mean 0.01791
Std Dev 0.9989
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

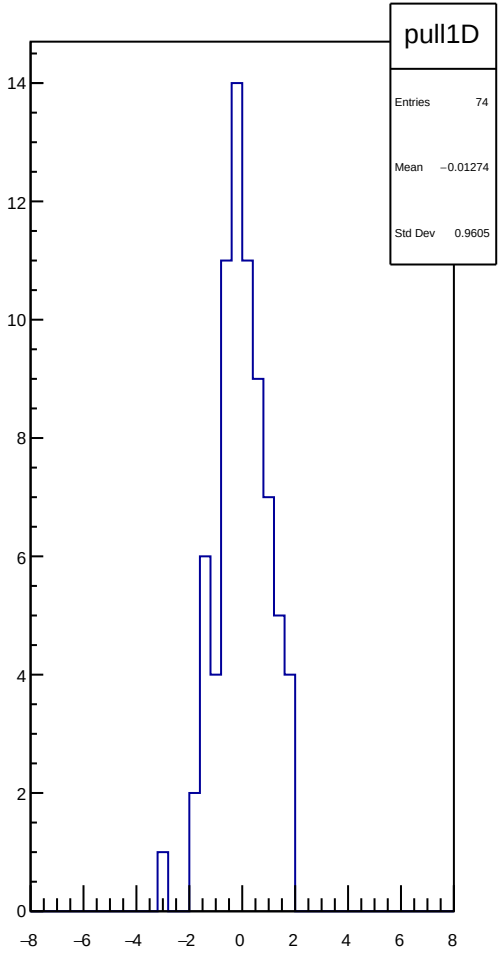

asym_us_avg_correction_rms vs run
χ² / ndf 1.089e+04 / 73
p0 1650 ± 1.337
2000
1900
1800
1700
1600
1500
1400

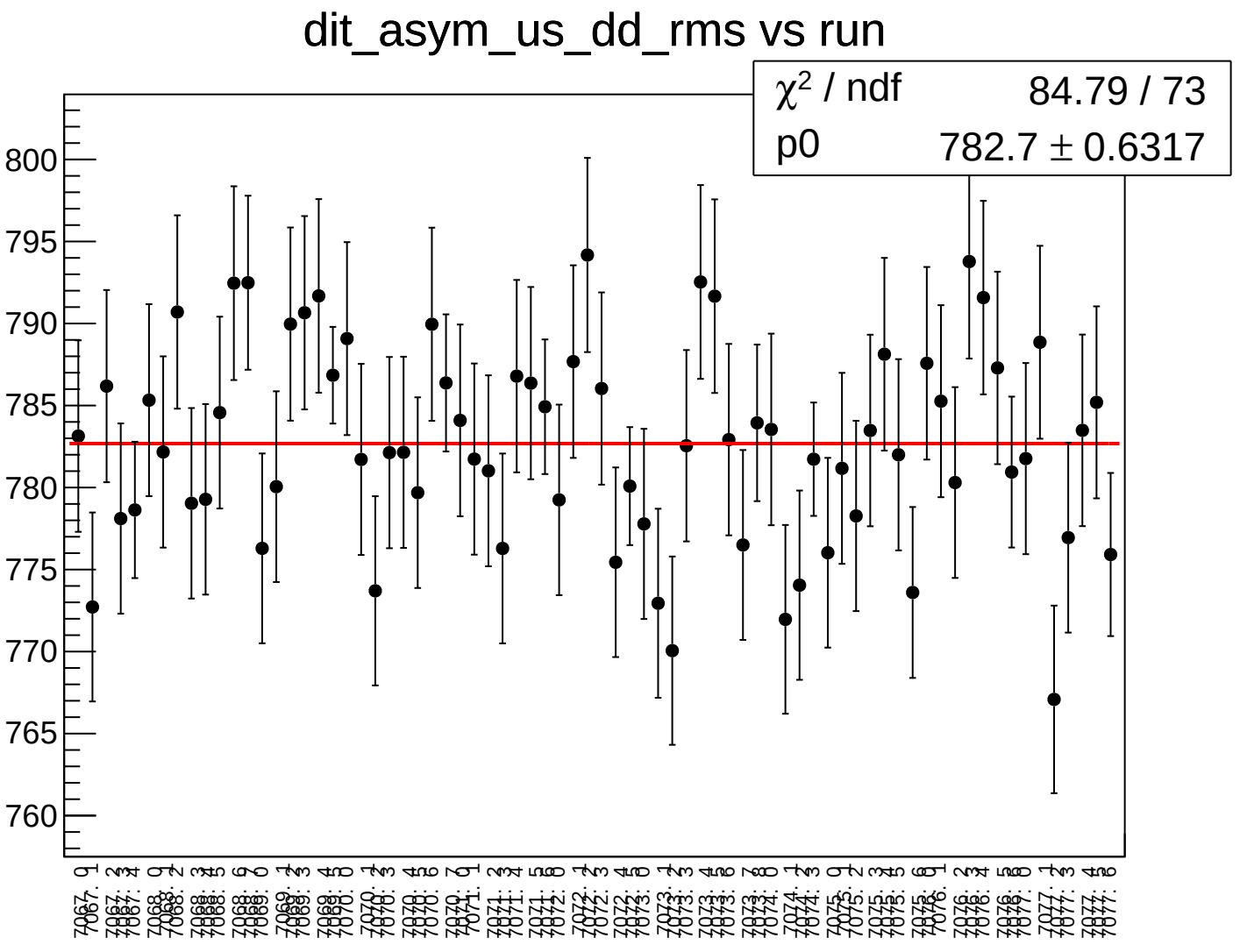

asym_us_avg_mean vs run
χ² / ndf 65.13 / 73
p0 −3589 ± 2083
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 255.7
Std Dev 185.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

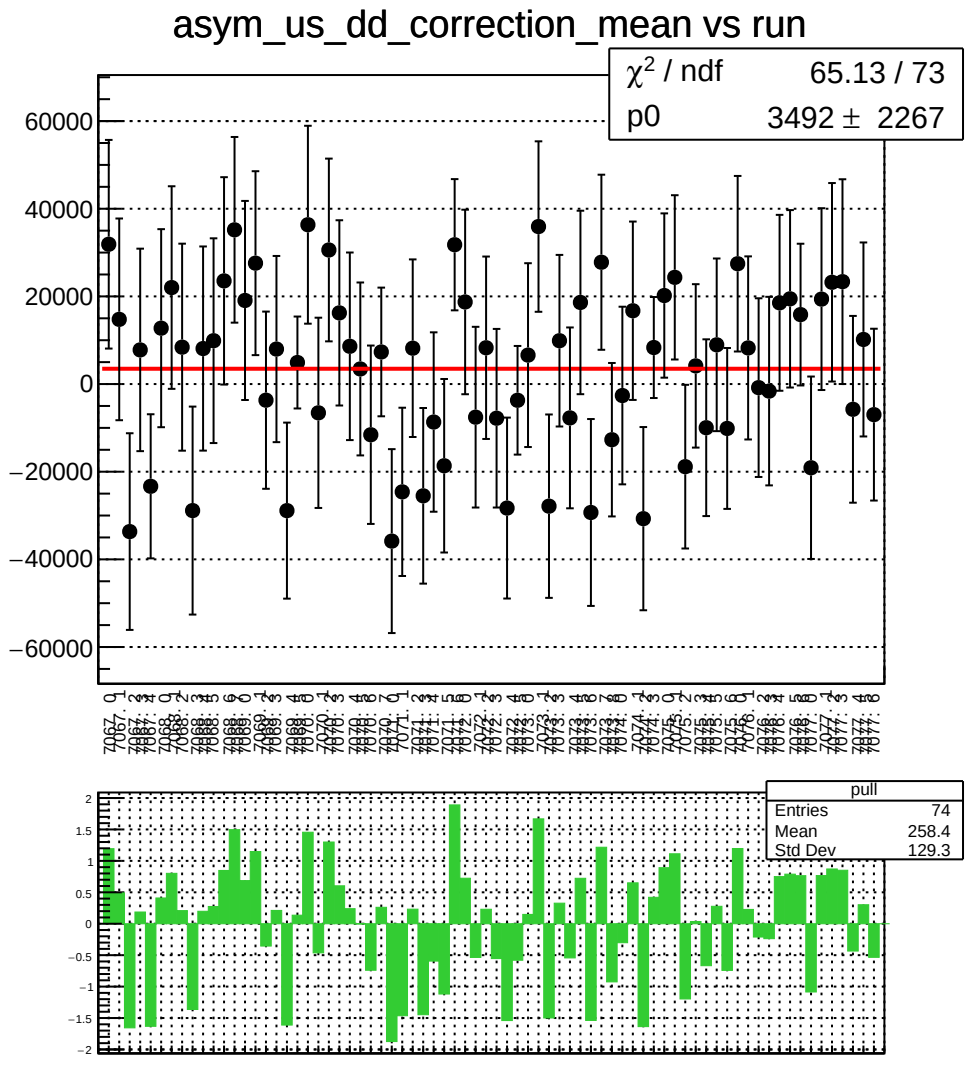

pull1D
Entries 74
Mean −0.005807
Std Dev 0.9381
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

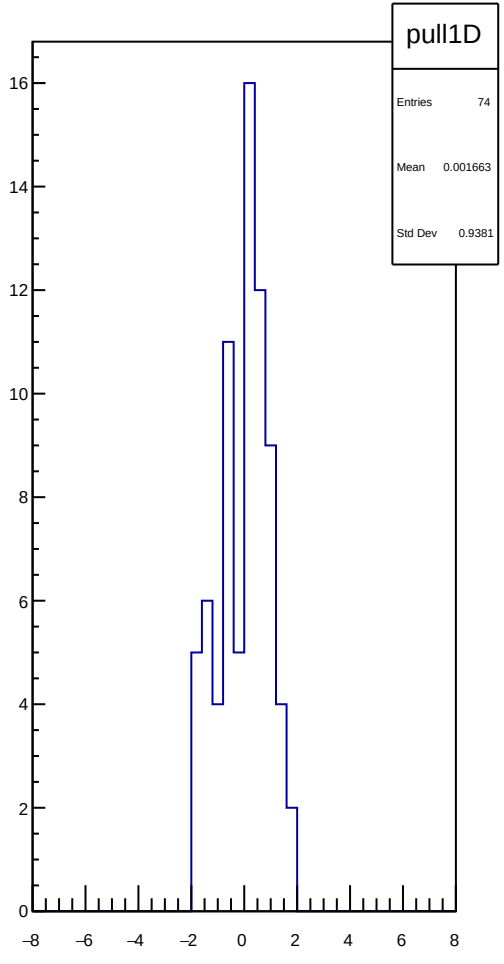

asym_us_avg_rms vs run
χ^2 / ndf 8098 / 73
p0 1820 ± 1.473
2100
2000
1900
1800
1700
1600

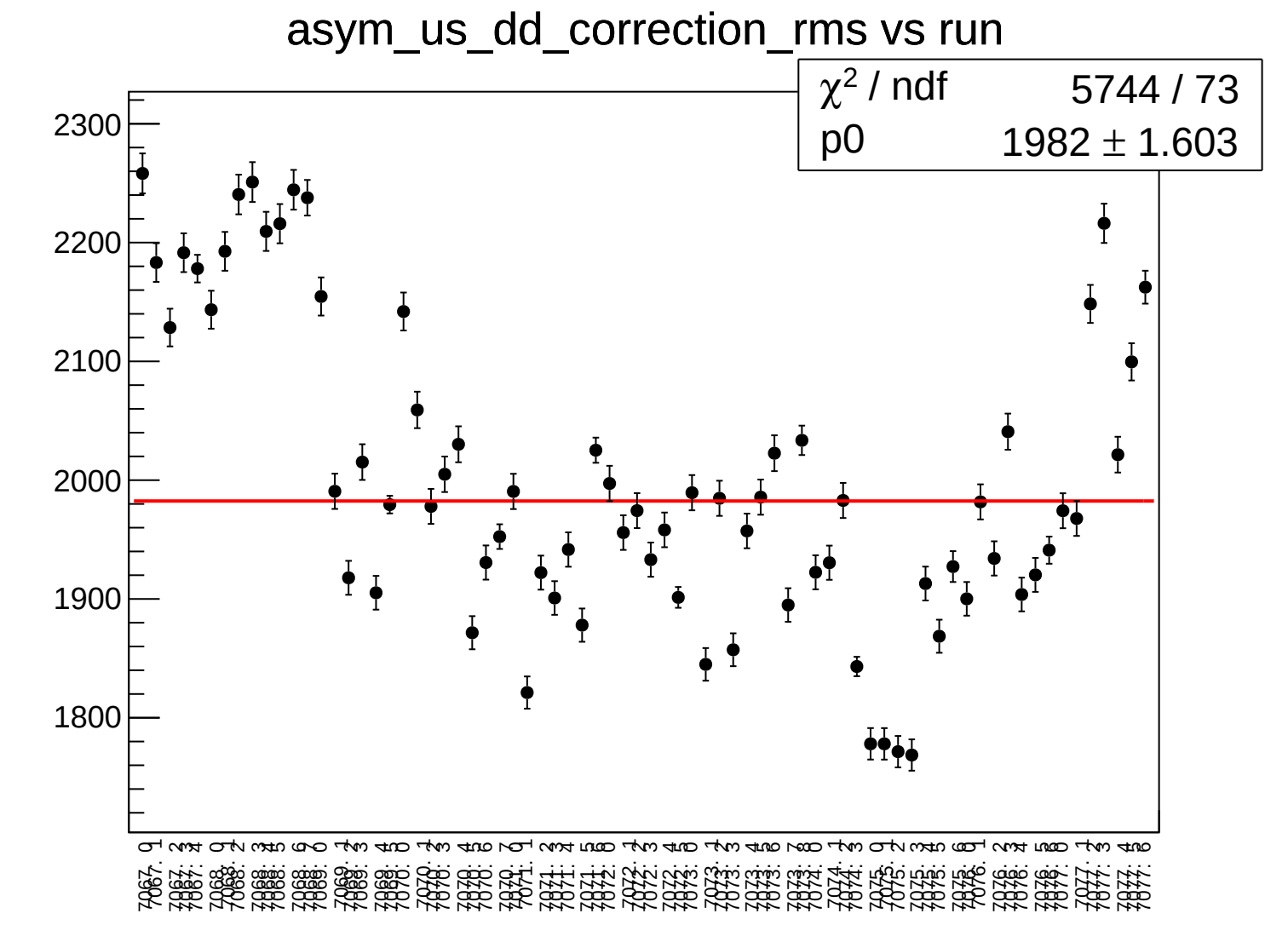

dit_asym_us_dd_mean vs run
χ² / ndf 68.28 / 73
p0 −47.76 ± 893.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean 193.9
Std Dev 144.4
2
1
0
−1
−2
−3

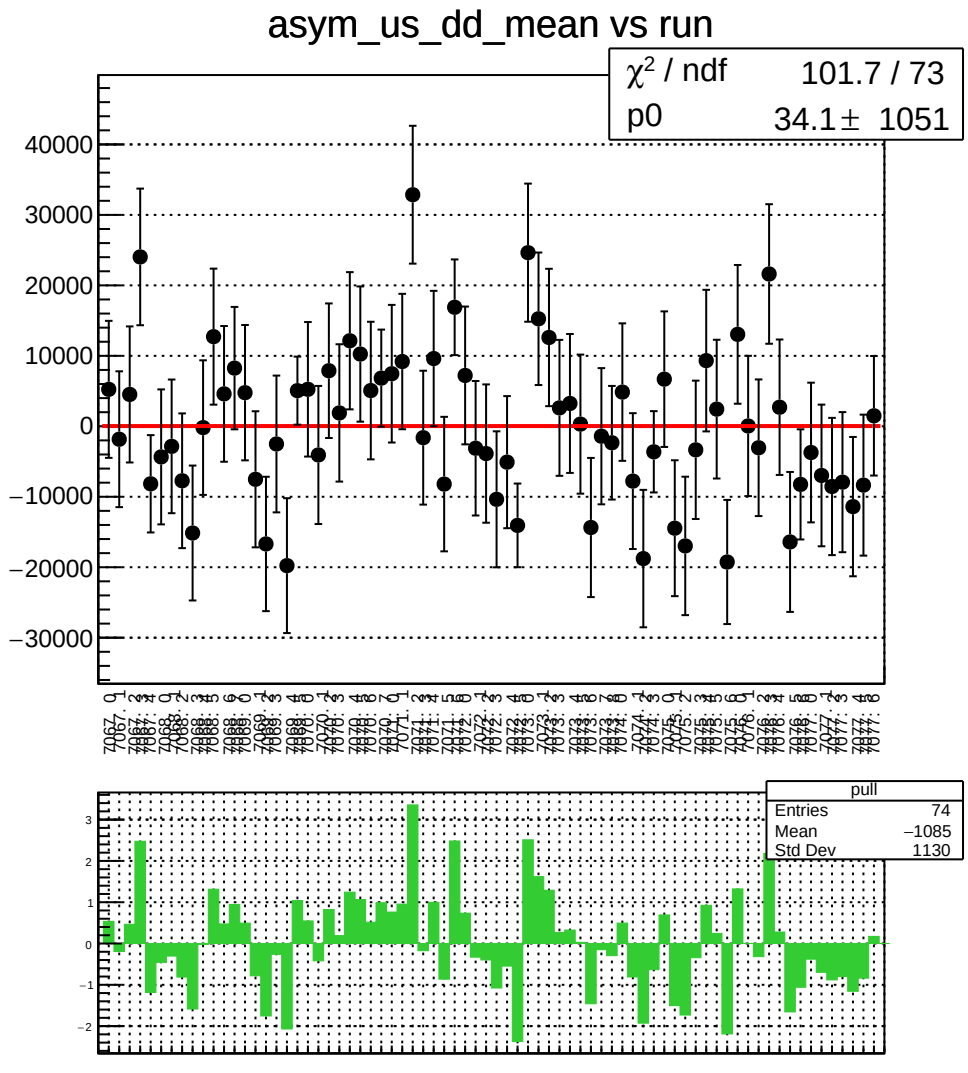

pull1D
Entries 74
Mean −0.01274
Std Dev 0.9605
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

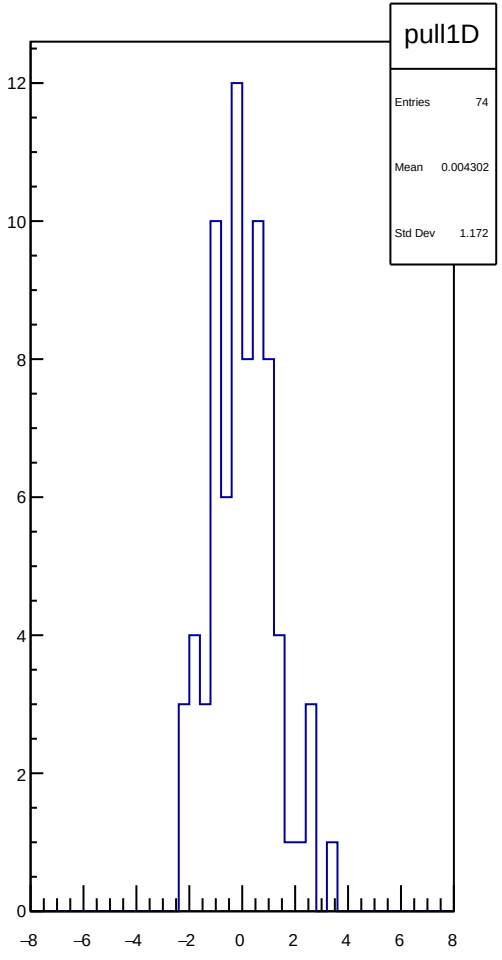

dit_asym_us_dd_rms vs run
χ² / ndf 84.79 / 73
p0 782.7 ± 0.6317
800
795
790
785
780
775
770
765
760

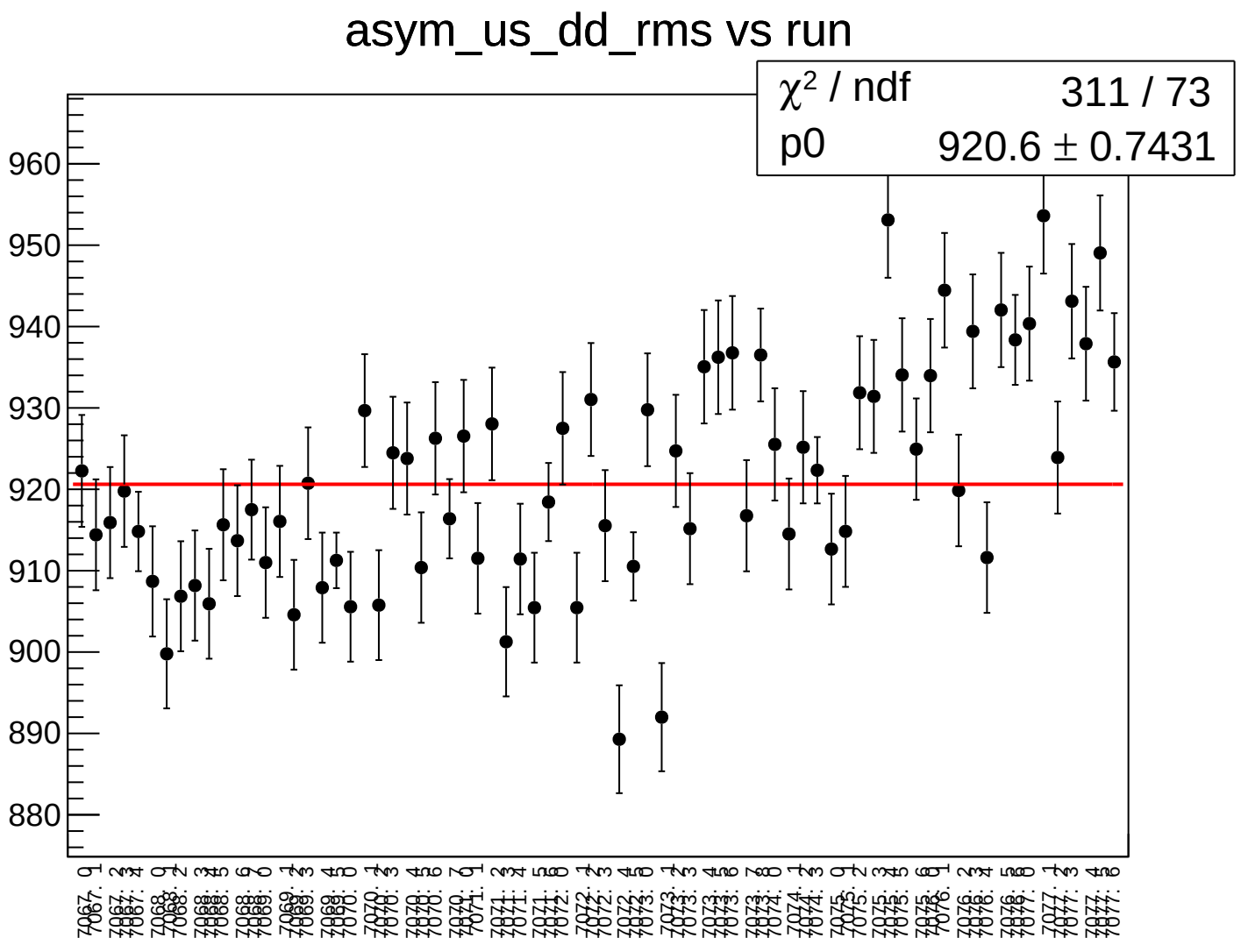

asym_us_dd_correction_mean vs run
χ² / ndf 65.13 / 73
p0 3492 ± 2267
pull
Entries 74
Mean 258.4
Std Dev 129.3

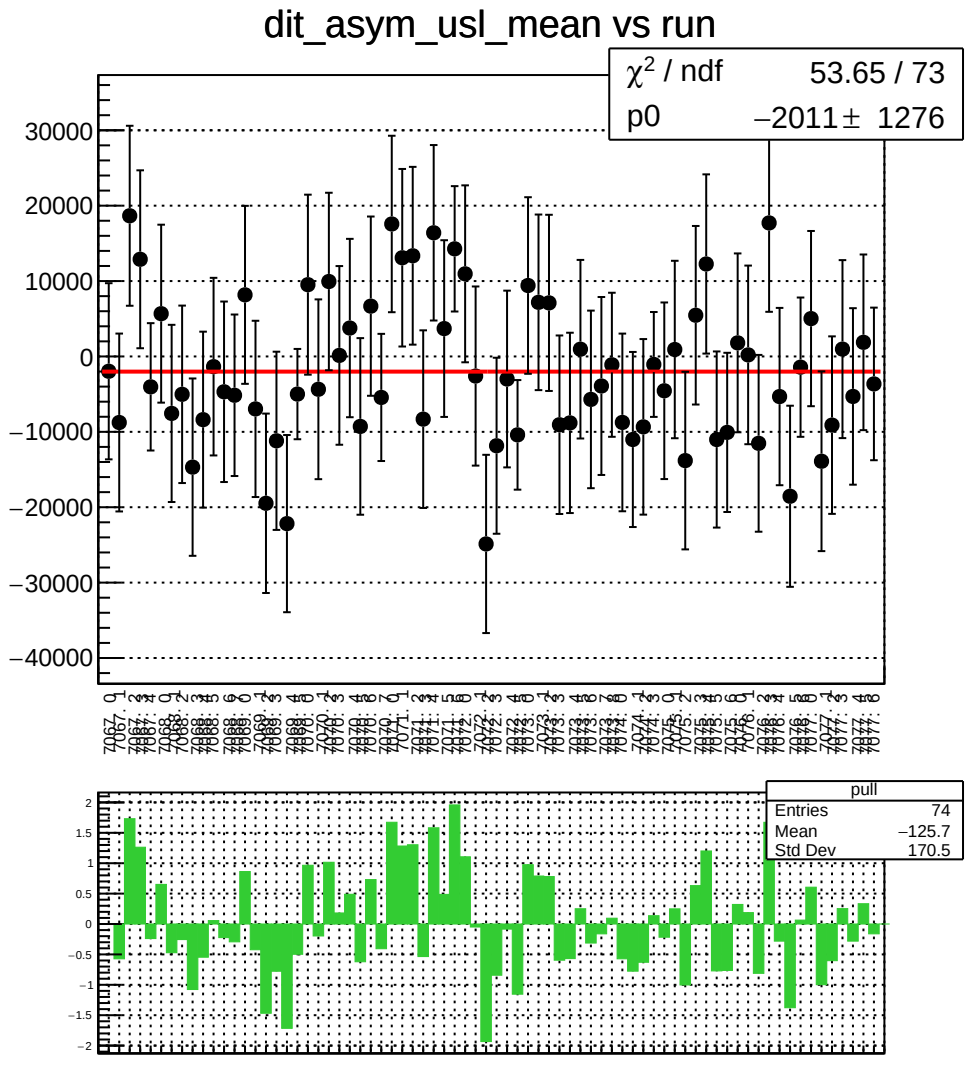

pull1D
Entries 74
Mean 0.001663
Std Dev 0.9381

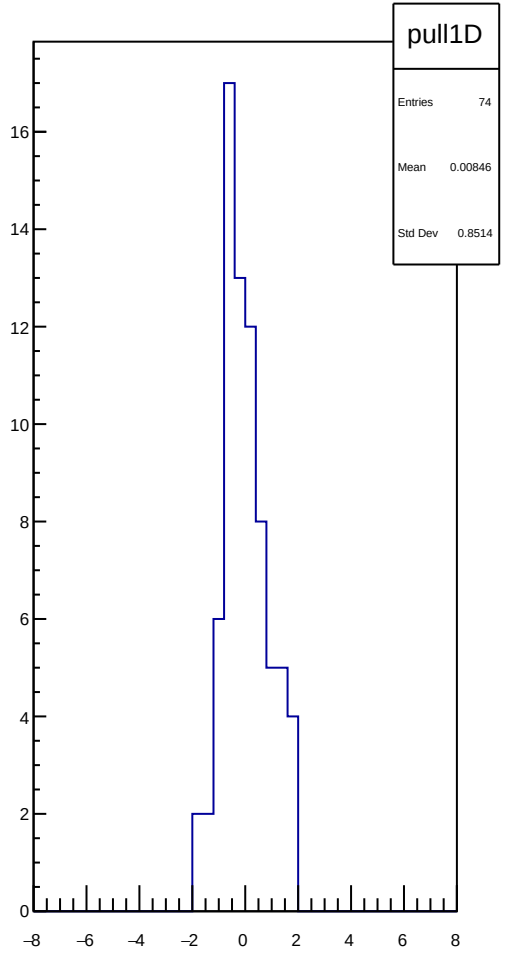

asym_us_dd_correction_rms vs run
χ² / ndf 5744 / 73
p0 1982 ± 1.603
2300
2200
2100
2000
1900
1800

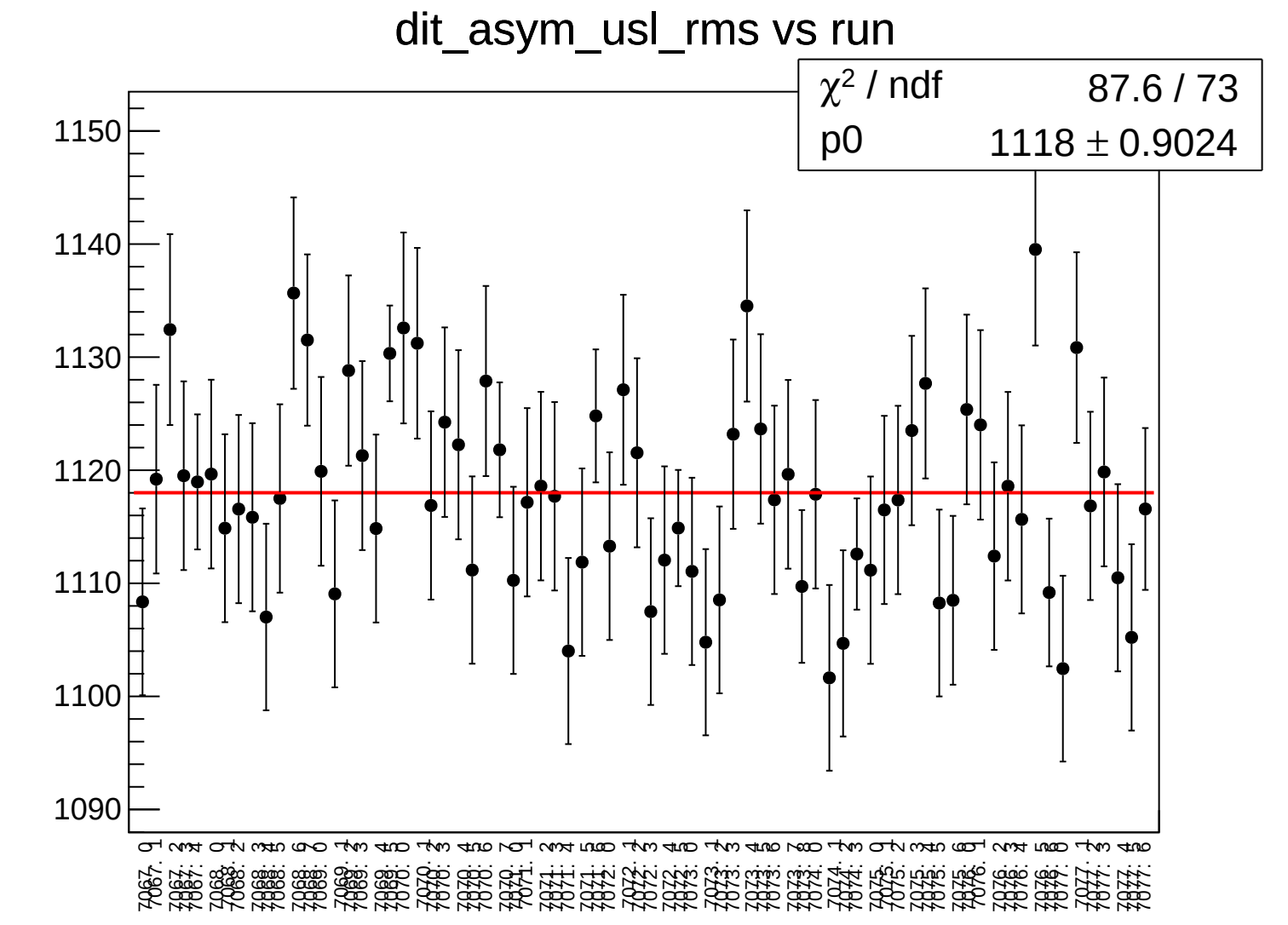

asym_us_dd_mean vs run
χ² / ndf 101.7 / 73
p0 34.1 ± 1051
pull
Entries 74
Mean −1085
Std Dev 1130

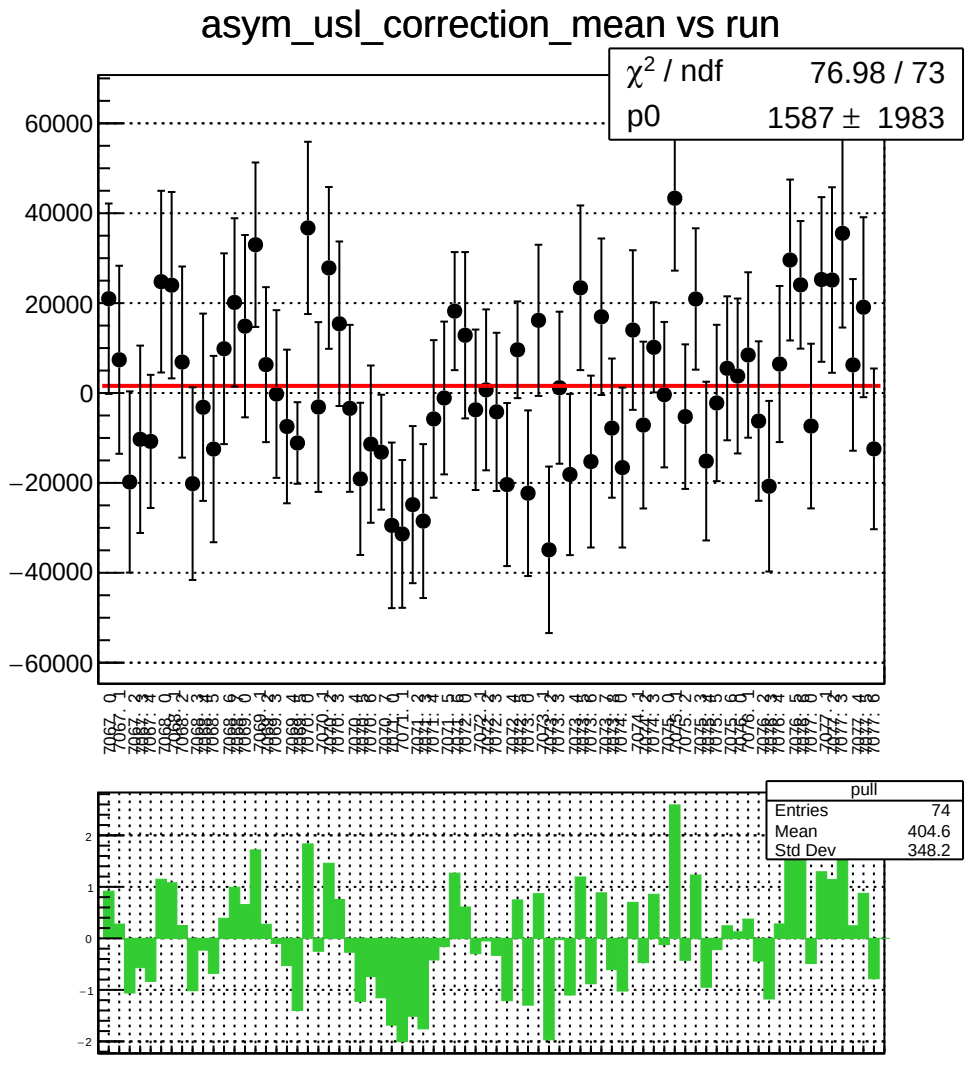

pull1D
Entries 74
Mean 0.004302
Std Dev 1.172

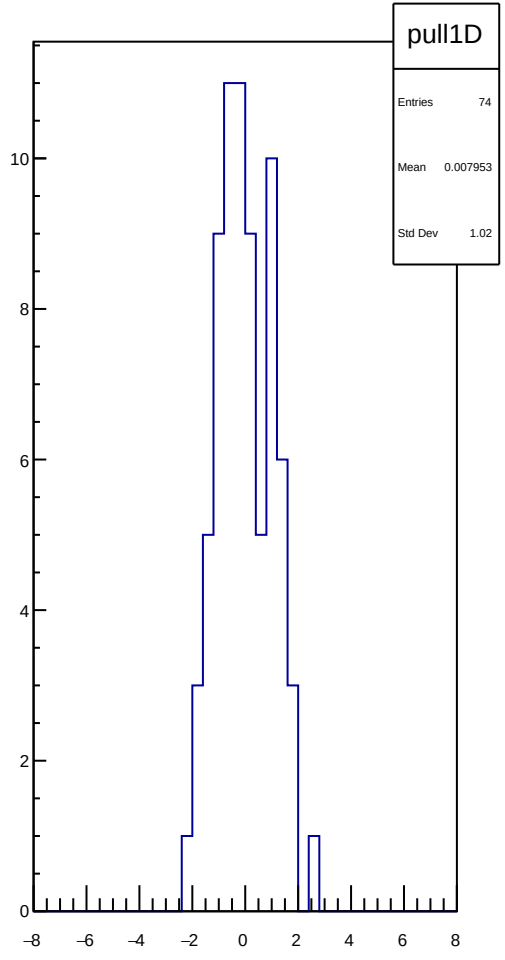

asym_us_dd_rms vs run
χ² / ndf 311 / 73
p0 920.6 ± 0.7431
960
950
940
930
920
910
900
890
880

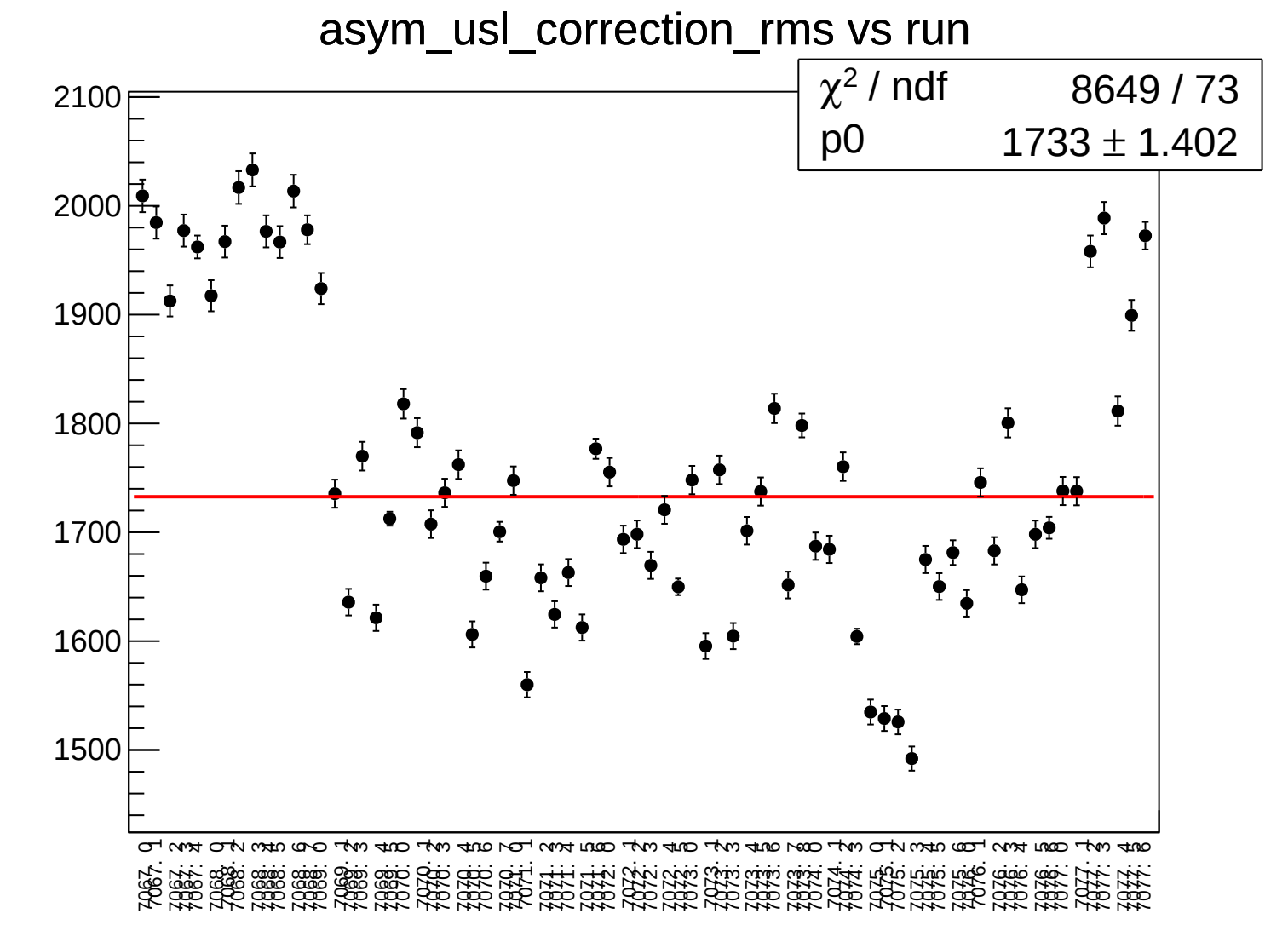

dit_asym_usl_mean vs run
χ² / ndf 53.65 / 73
p0 −2011 ± 1276
pull
Entries 74
Mean −125.7
Std Dev 170.5

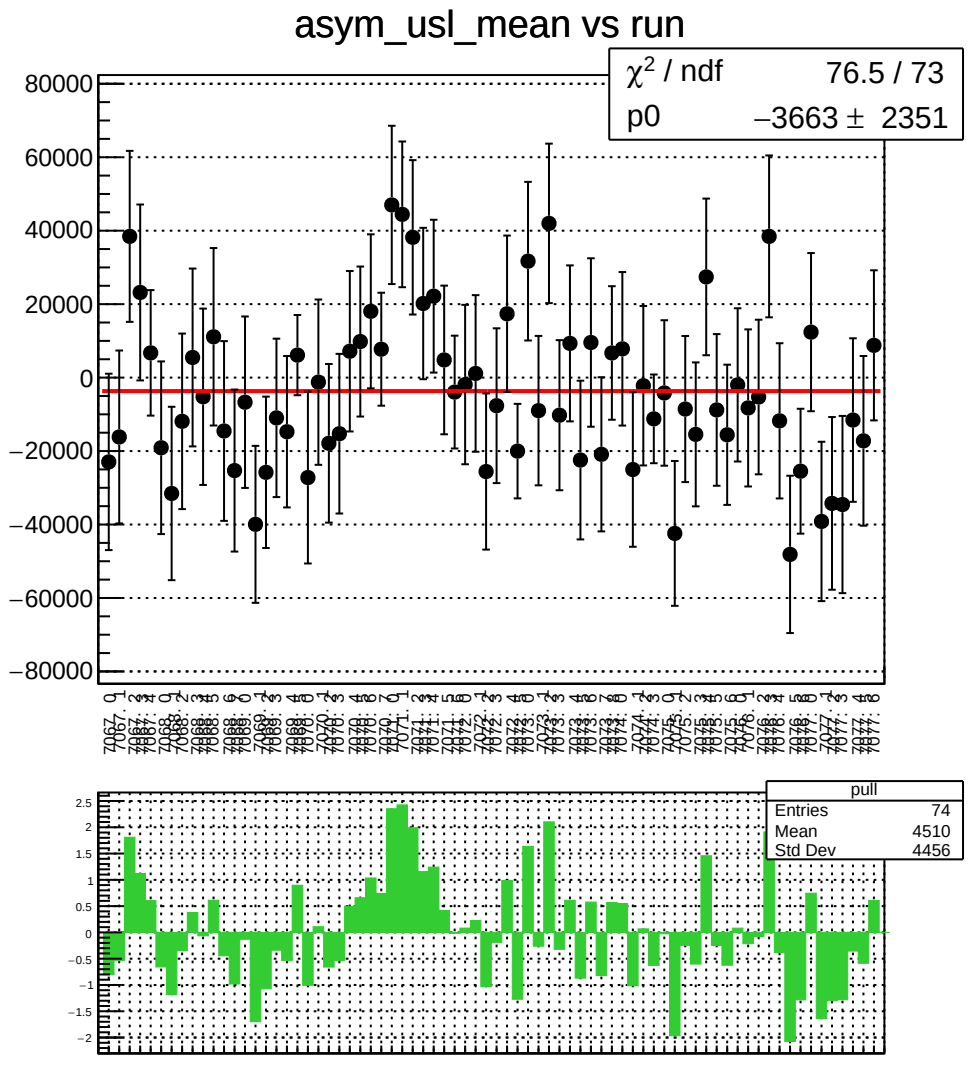

pull1D
Entries 74
Mean 0.00846
Std Dev 0.8514

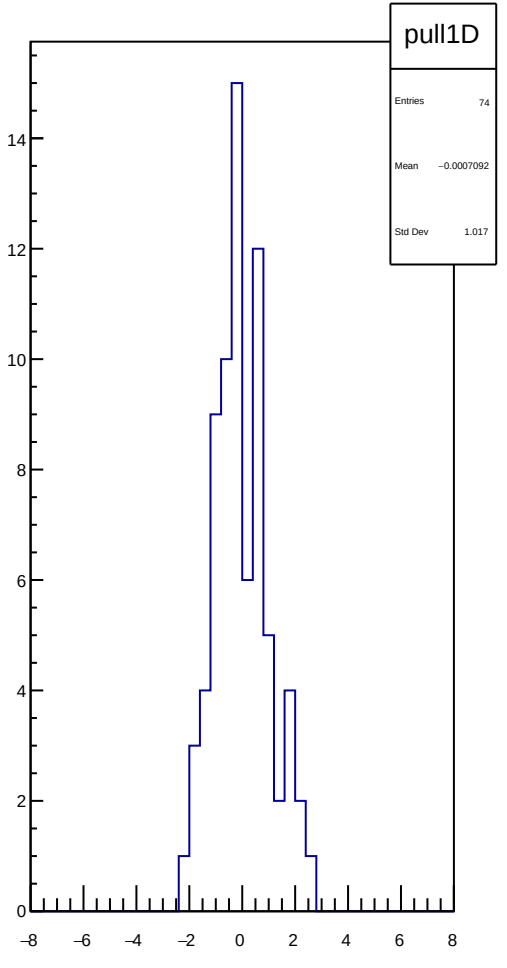

dit_asym_usl_rms vs run
χ² / ndf 87.6 / 73
p0 1118 ± 0.9024
1150
1140
1130
1120
1110
1100
1090

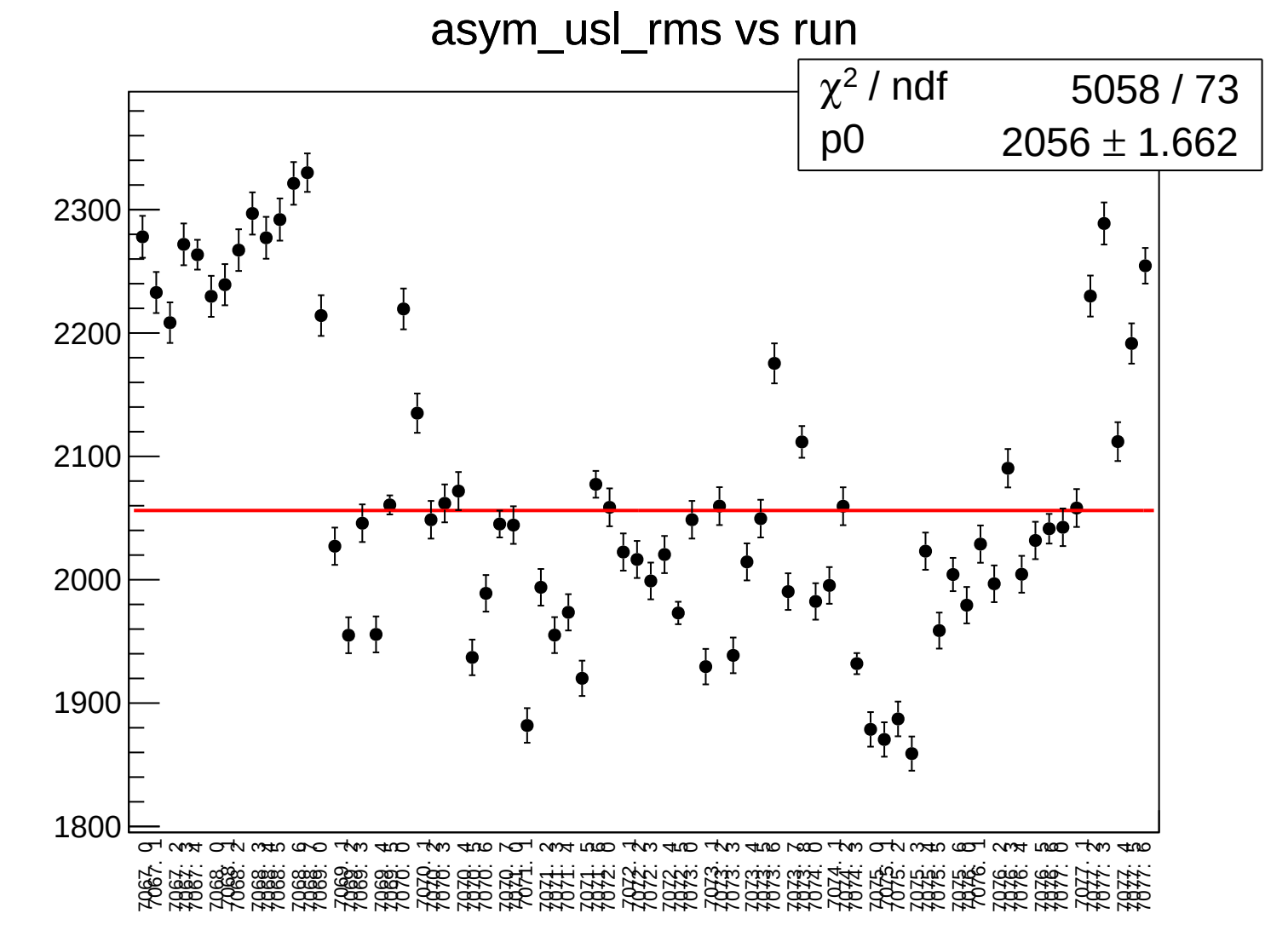

asym_usl_correction_mean vs run
χ² / ndf 76.98 / 73
p0 1587 ± 1983
pull
Entries 74
Mean 404.6
Std Dev 348.2

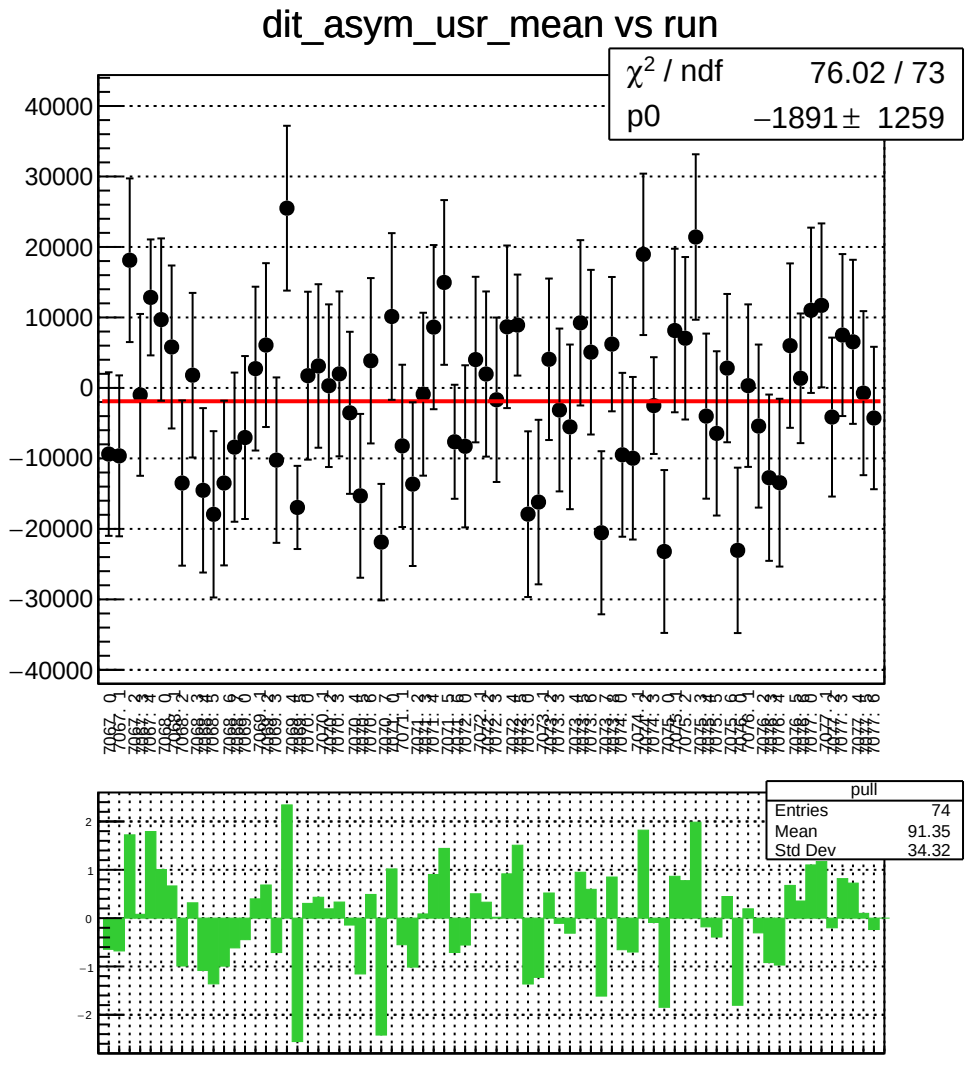

pull1D
Entries 74
Mean 0.007953
Std Dev 1.02

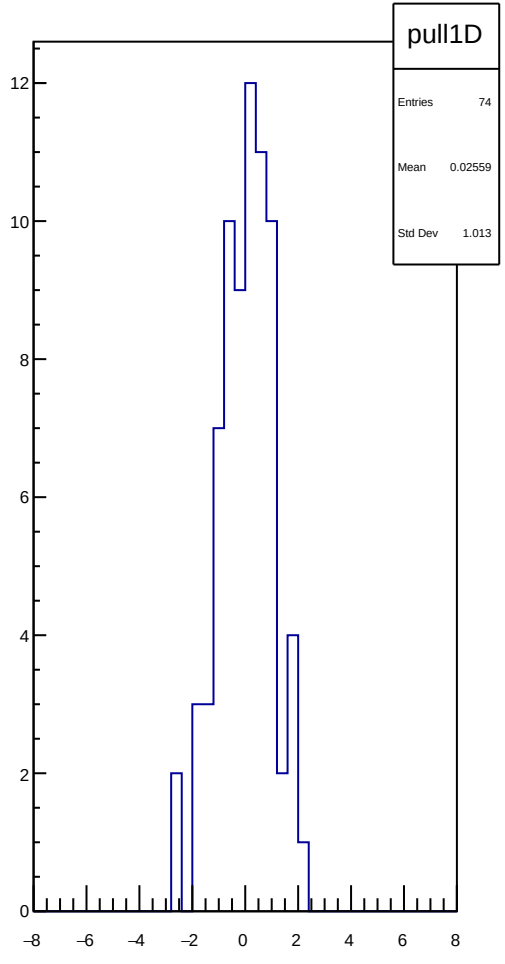

asym_usl_correction_rms vs run
χ² / ndf 8649 / 73
p0 1733 ± 1.402
2100
2000
1900
1800
1700
1600
1500

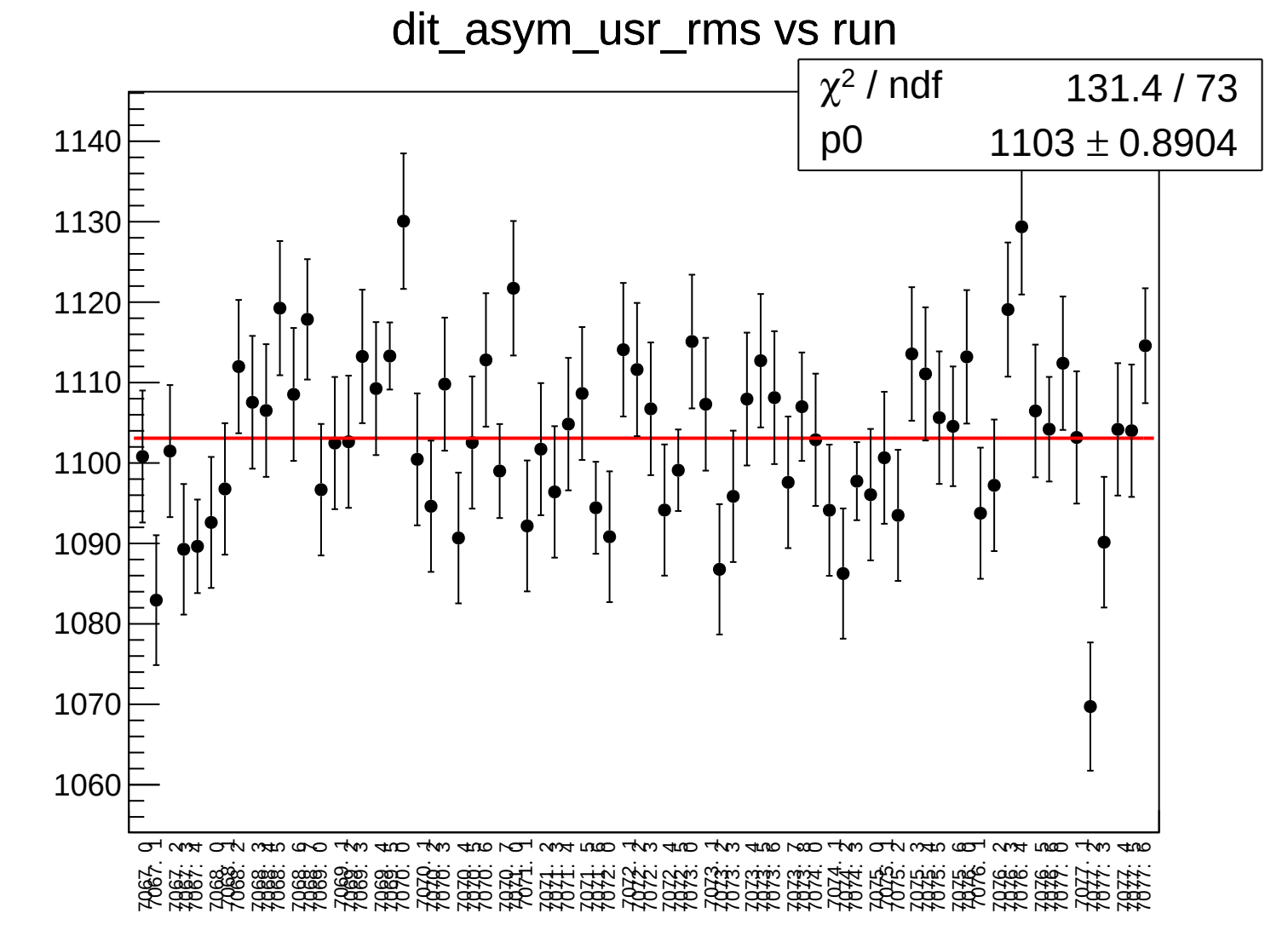

asym_usl_mean vs run
χ² / ndf 76.5 / 73
p0 −3663 ± 2351
pull
Entries 74
Mean 4510
Std Dev 4456

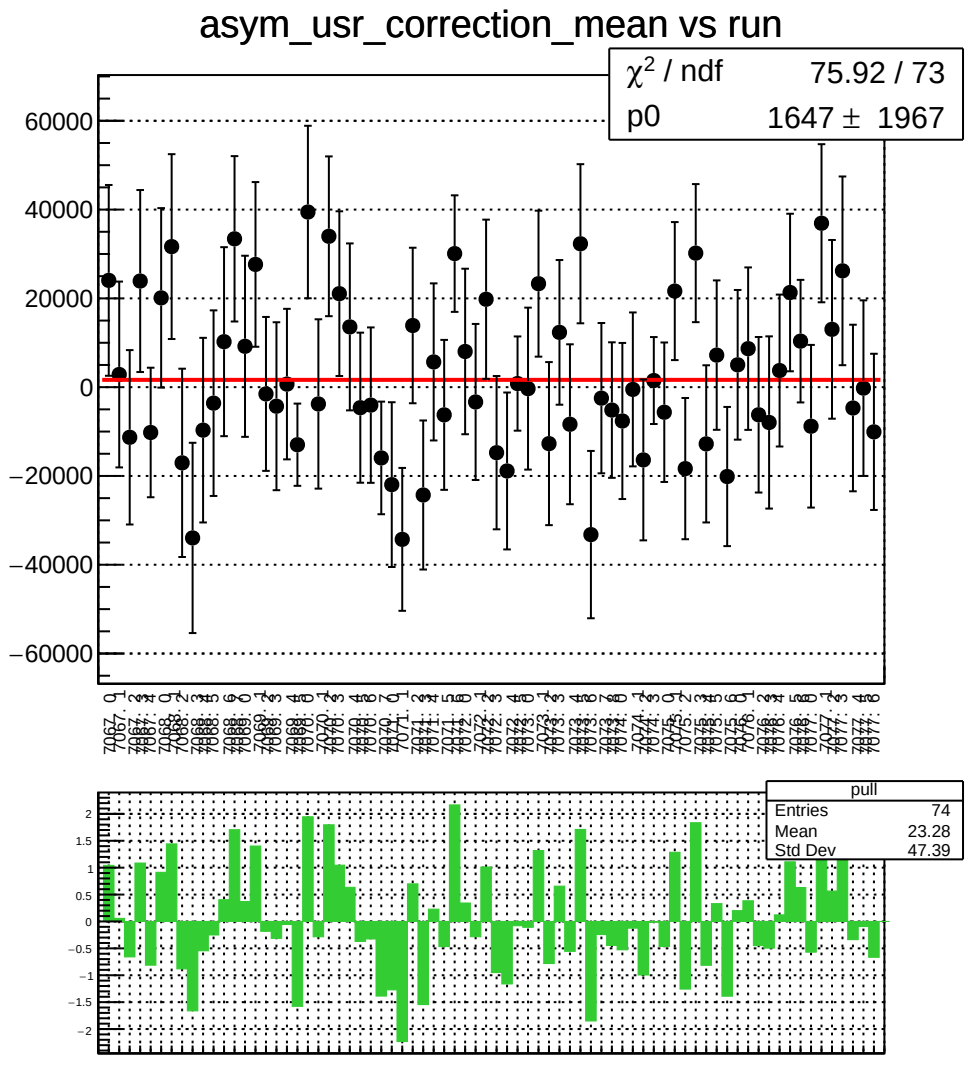

pull1D
Entries 74
Mean −0.0007092
Std Dev 1.017

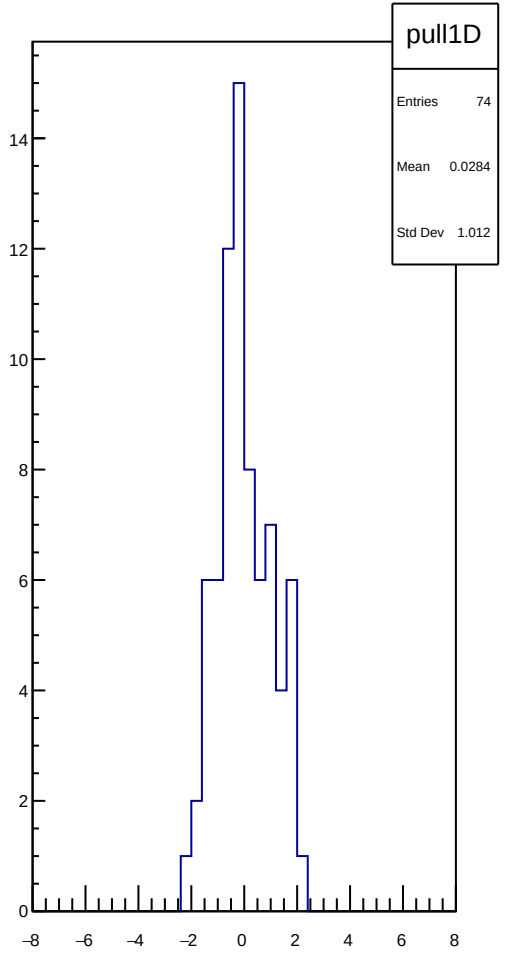

asym_usl_rms vs run
χ^2 / ndf 5058 / 73
p0 2056 ± 1.662
2300
2200
2100
2000
1900
1800

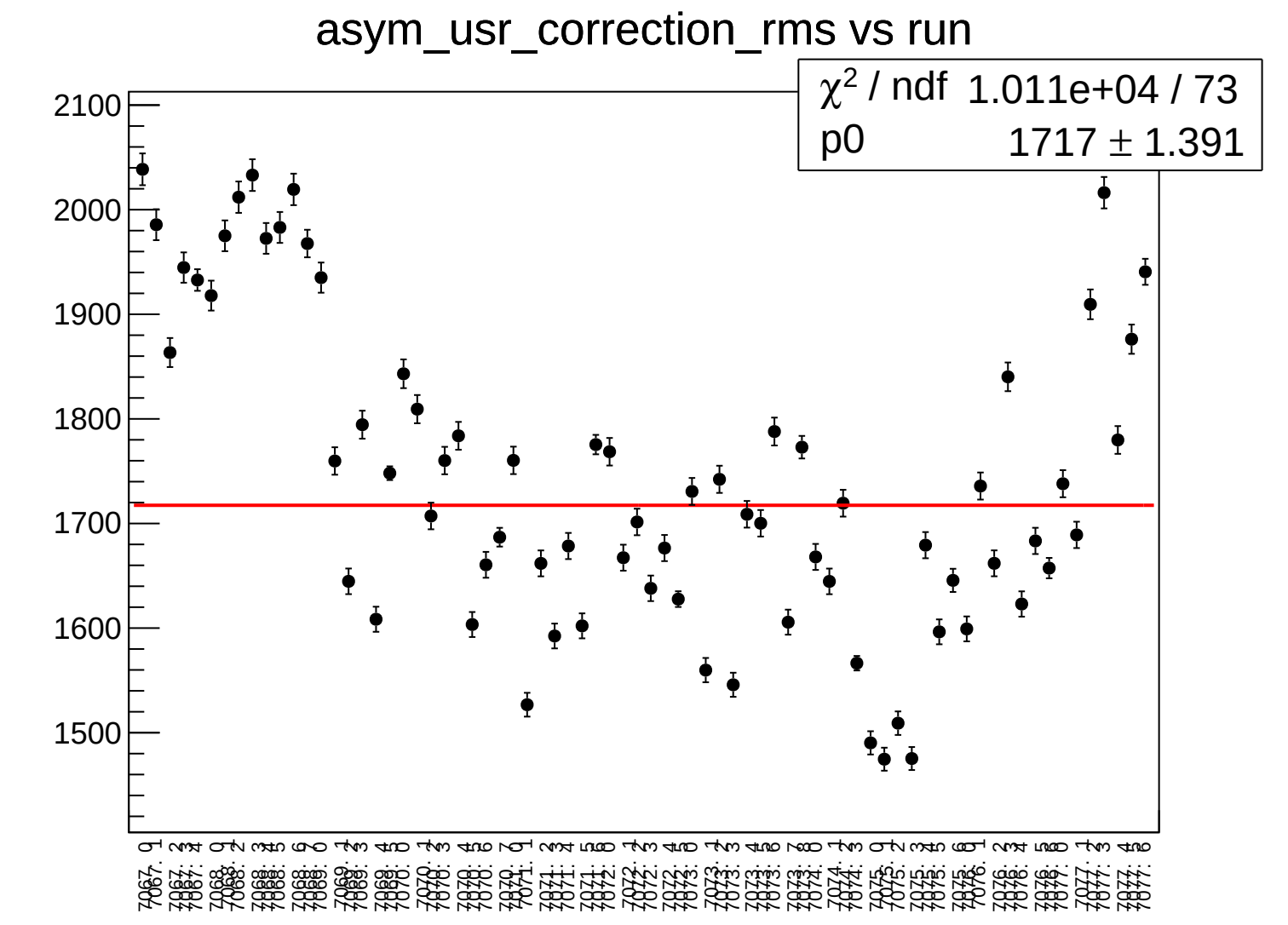

dit_asym_usr_mean vs run
χ² / ndf 76.02 / 73
p0 −1891 ± 1259
pull
Entries 74
Mean 91.35
Std Dev 34.32

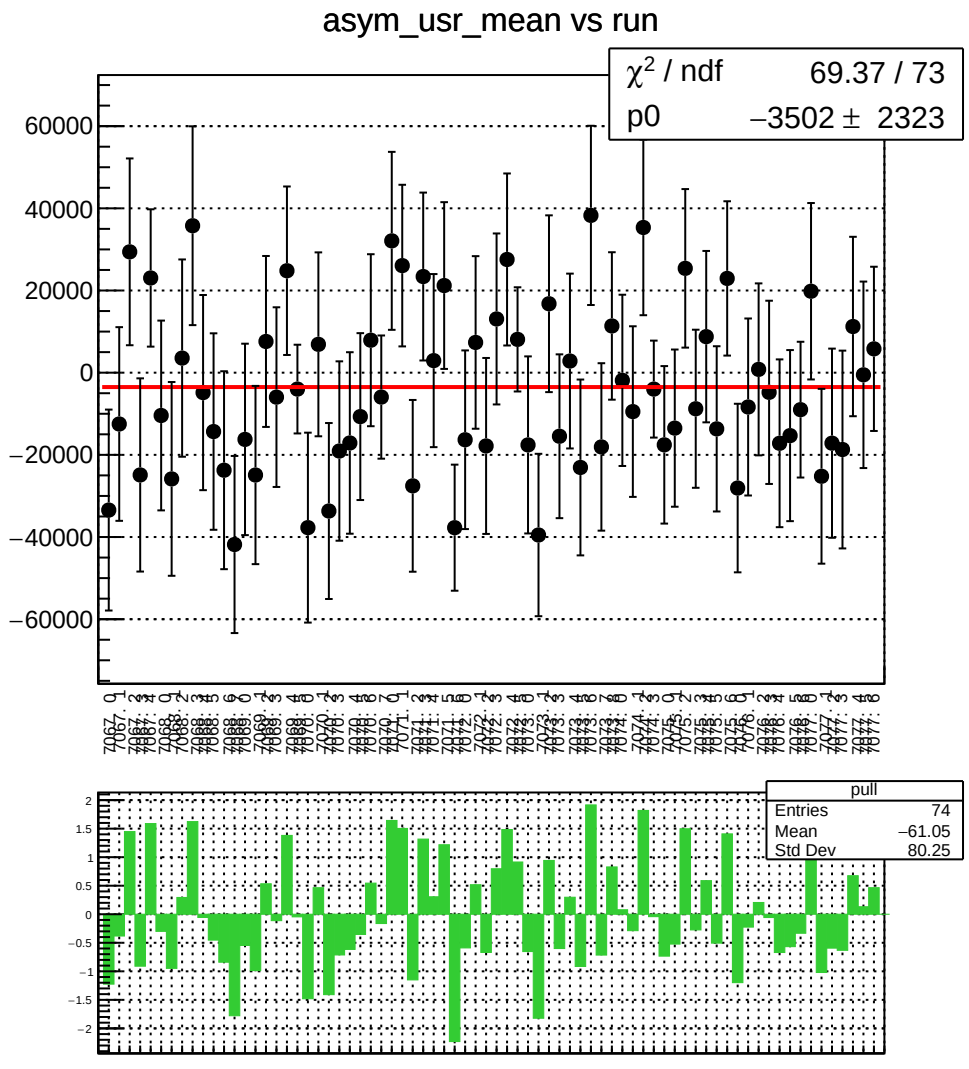

pull1D
Entries 74
Mean 0.02559
Std Dev 1.013

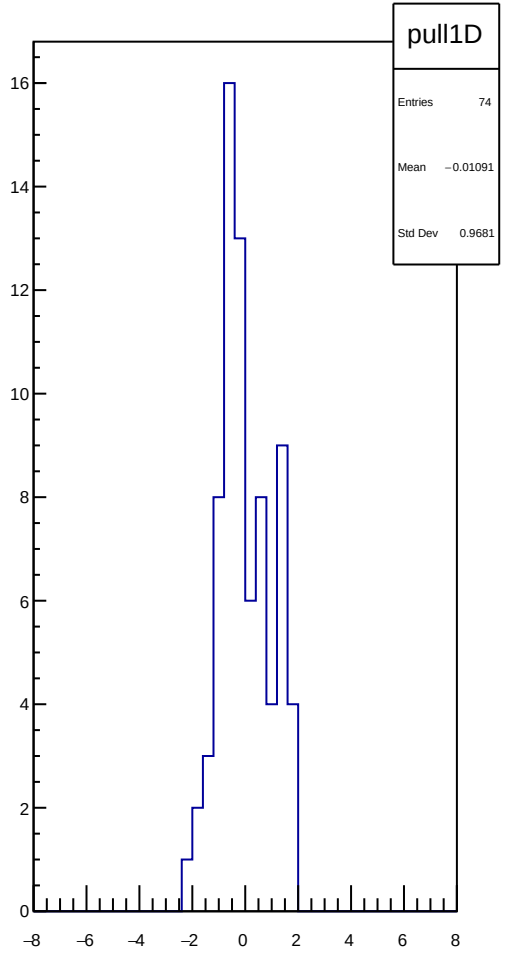

dit_asym_usr_rms vs run
χ^2 / ndf 131.4 / 73
p0 1103 ± 0.8904
1140
1130
1120
1110
1100
1090
1080
1070
1060

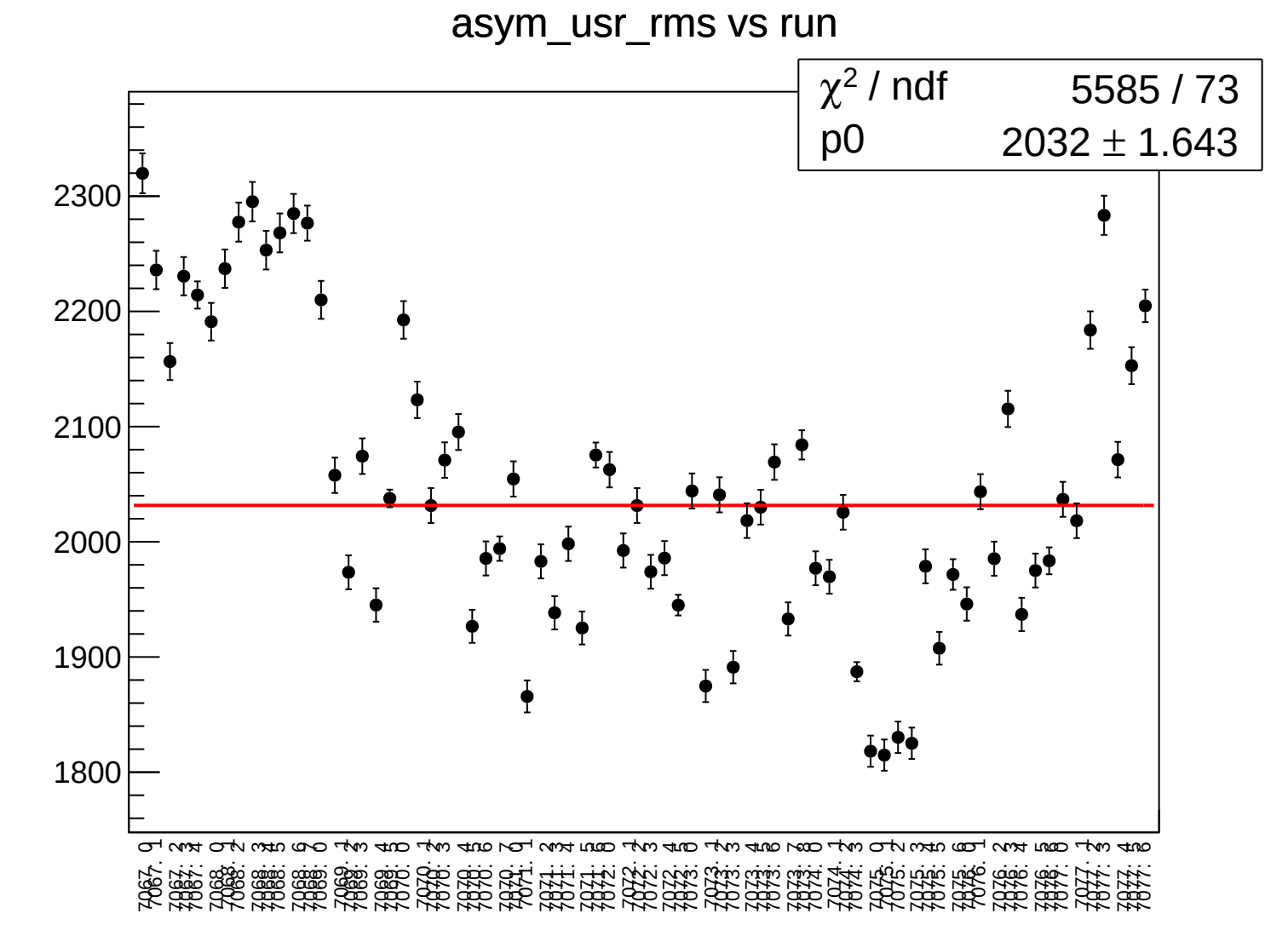

asym_usr_correction_mean vs run
χ² / ndf 75.92 / 73
p0 1647 ± 1967
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 23.28
Std Dev 47.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

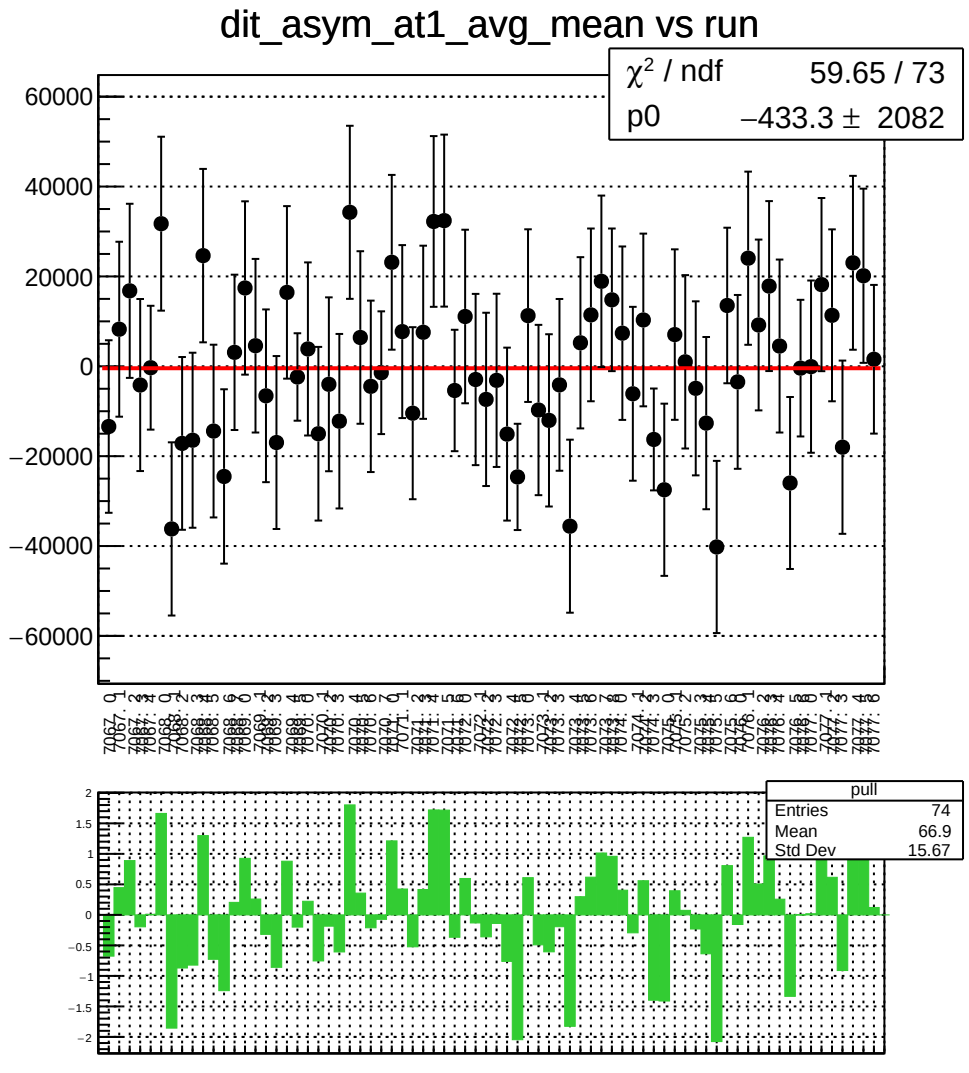

pull1D
Entries 74
Mean 0.0284
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

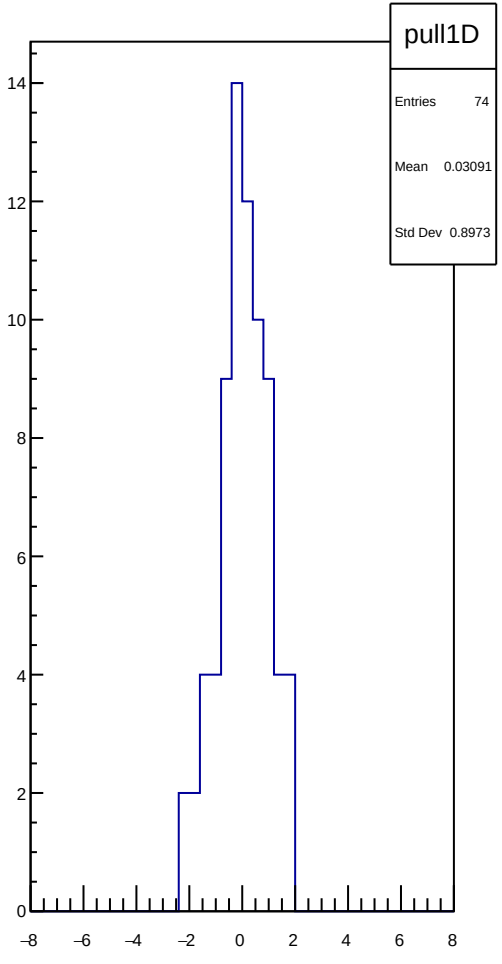

asym_usr_correction_rms vs run
χ² / ndf 1.011e+04 / 73
p0 1717 ± 1.391
2100
2000
1900
1800
1700
1600
1500

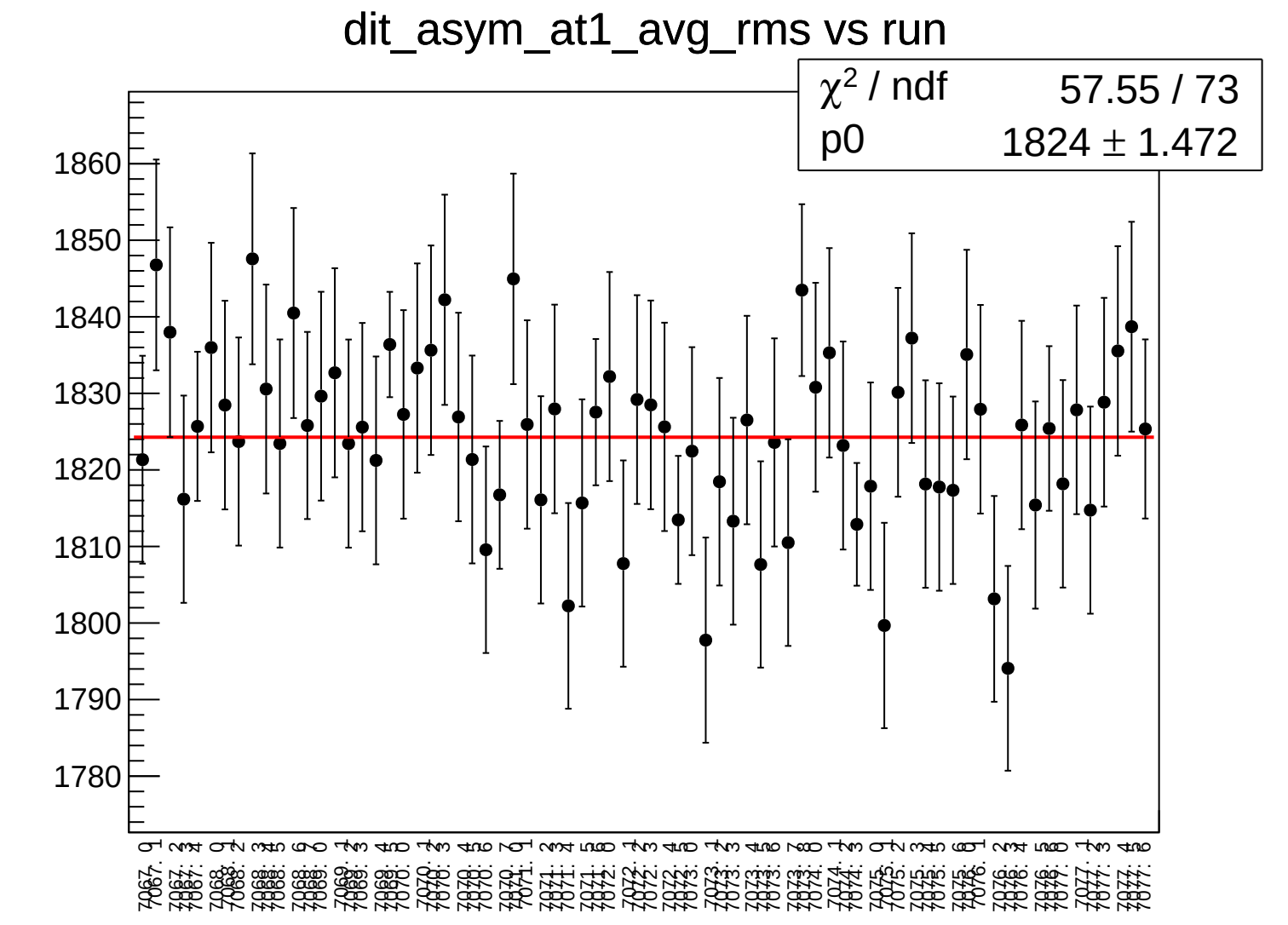

asym_usr_mean vs run
χ² / ndf 69.37 / 73
p0 −3502 ± 2323
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean −61.05
Std Dev 80.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

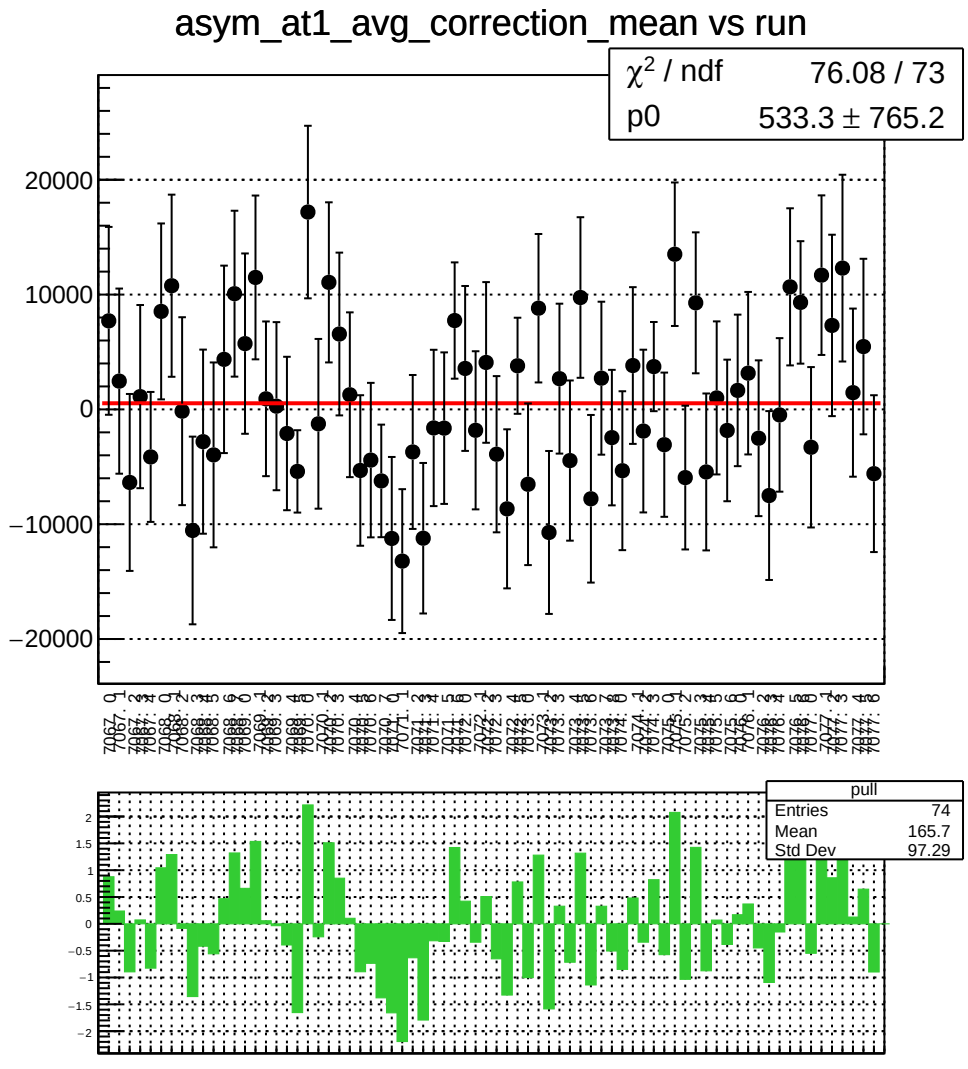

pull1D
Entries 74
Mean −0.01091
Std Dev 0.9681
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

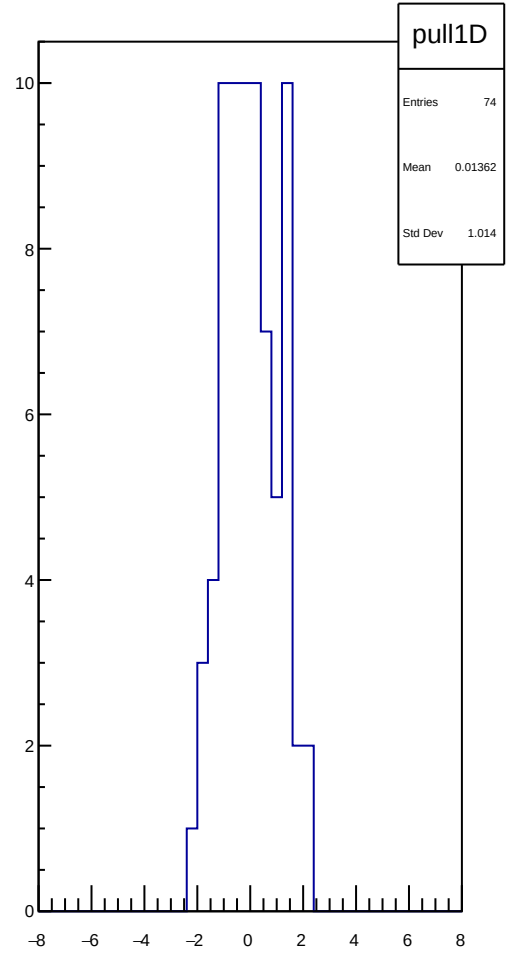

asym_usr_rms vs run
χ² / ndf 5585 / 73
p0 2032 ± 1.643
2300
2200
2100
2000
1900
1800

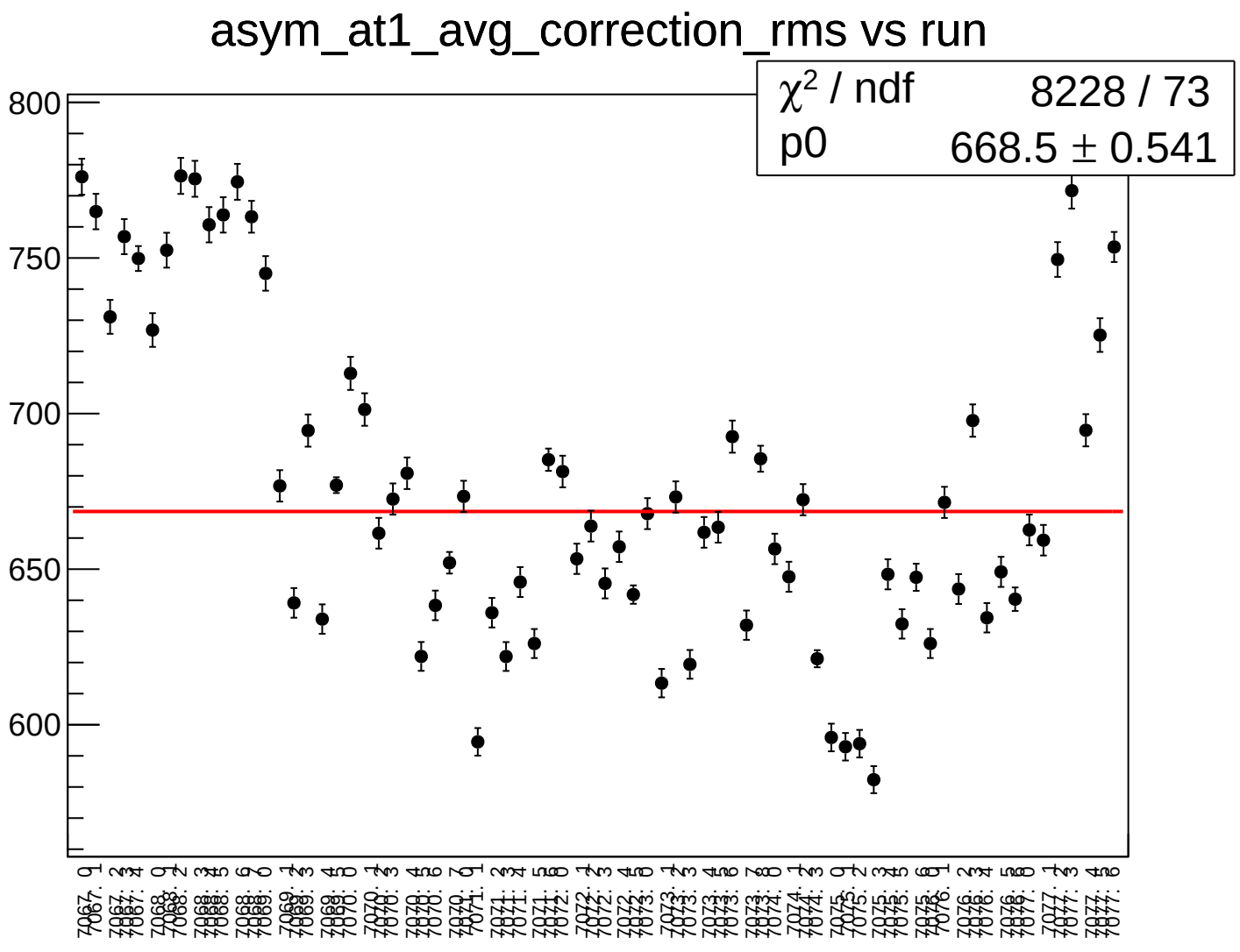

dit_asym_at1_avg_mean vs run
χ² / ndf 59.65 / 73
p0 −433.3 ± 2082
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 66.9
Std Dev 15.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

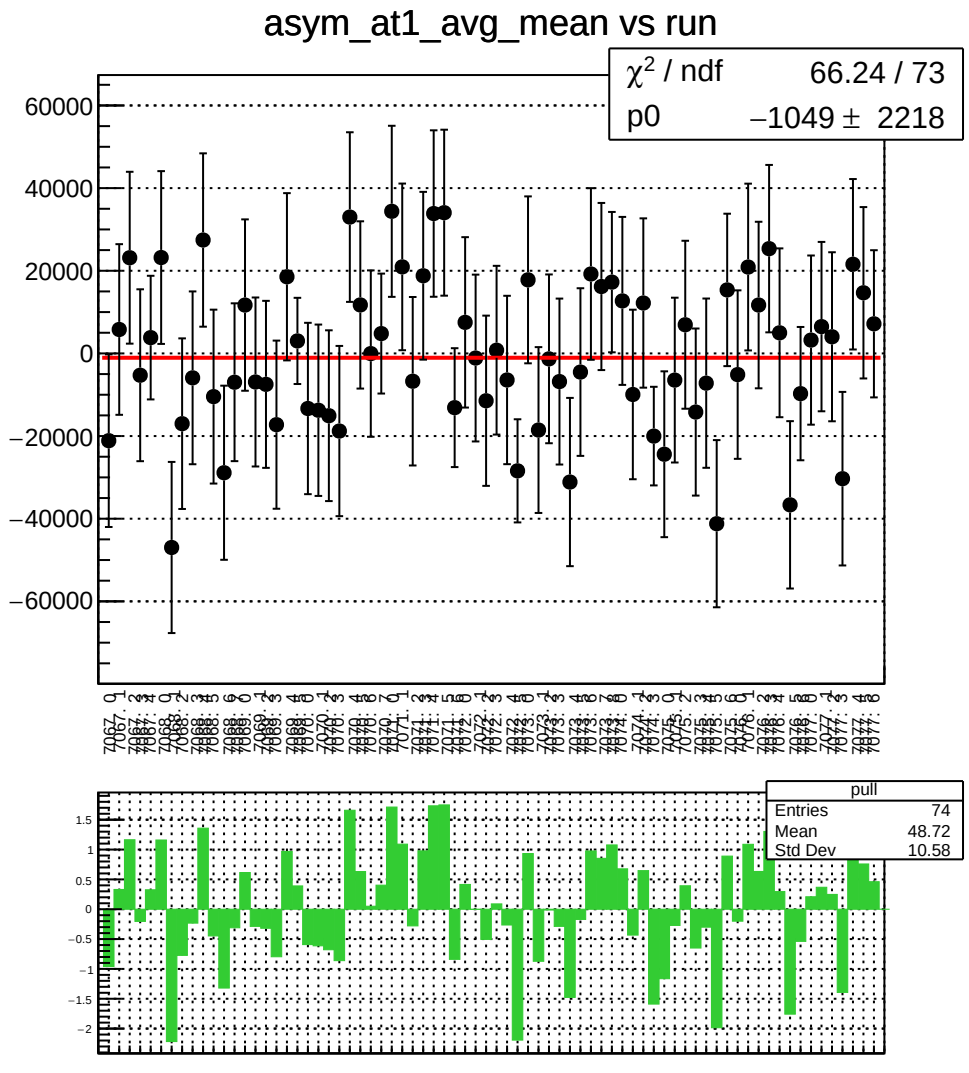

pull1D
Entries 74
Mean 0.03091
Std Dev 0.8973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

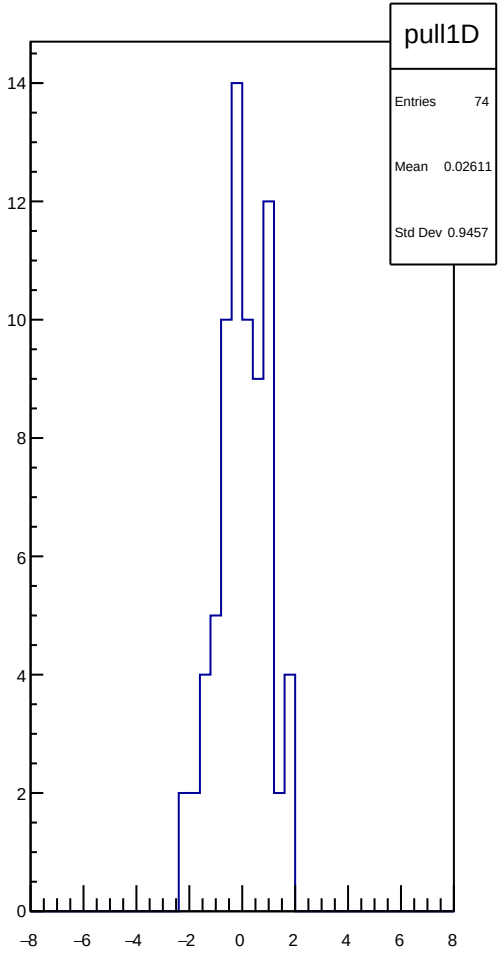

dit_asym_at1_avg_rms vs run
χ^2 / ndf 57.55 / 73
p0 1824 ± 1.472
1860
1850
1840
1830
1820
1810
1800
1790
1780

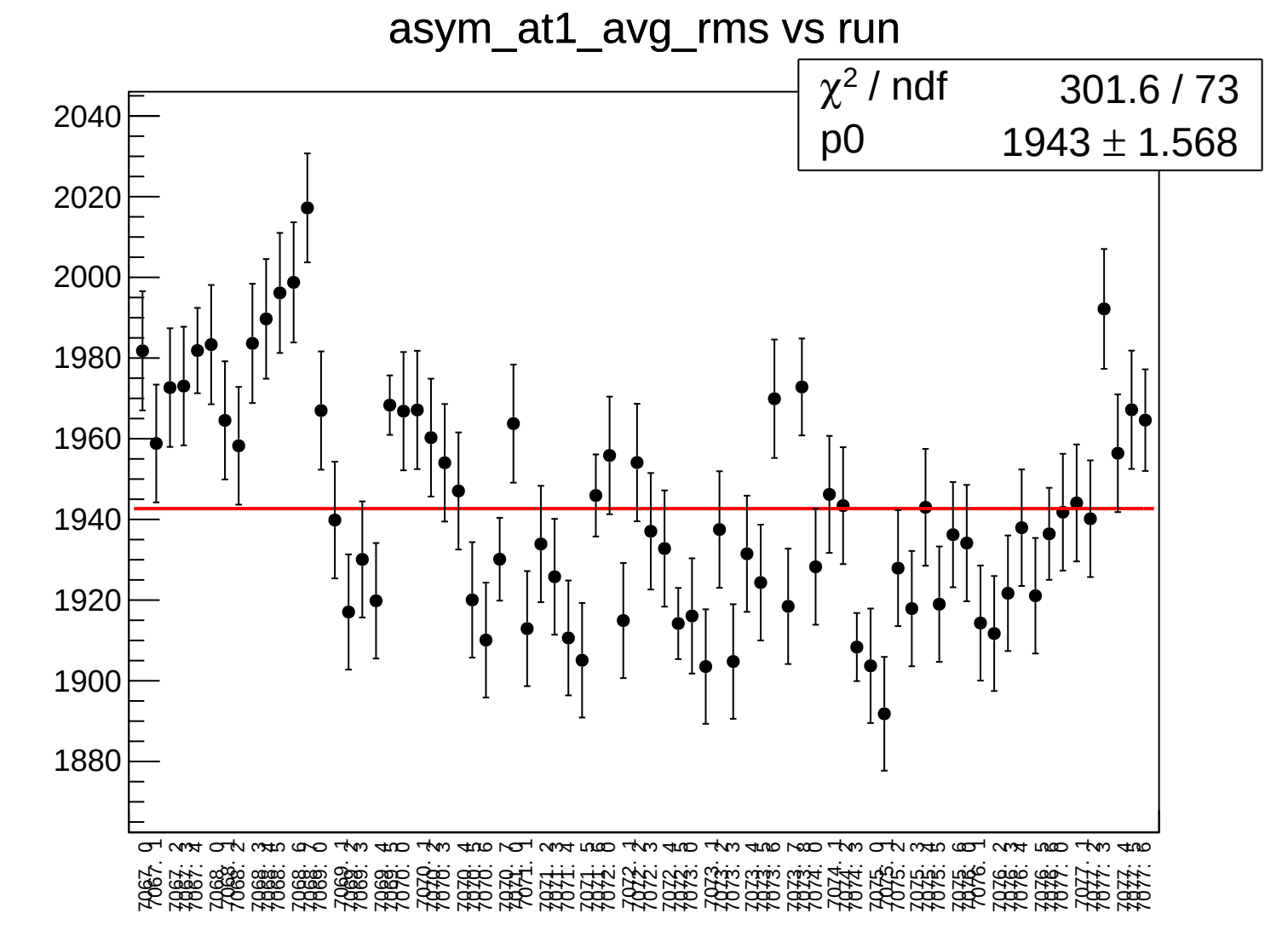

asym_at1_avg_correction_mean vs run
χ² / ndf 76.08 / 73
p0 533.3 ± 765.2
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 165.7
Std Dev 97.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

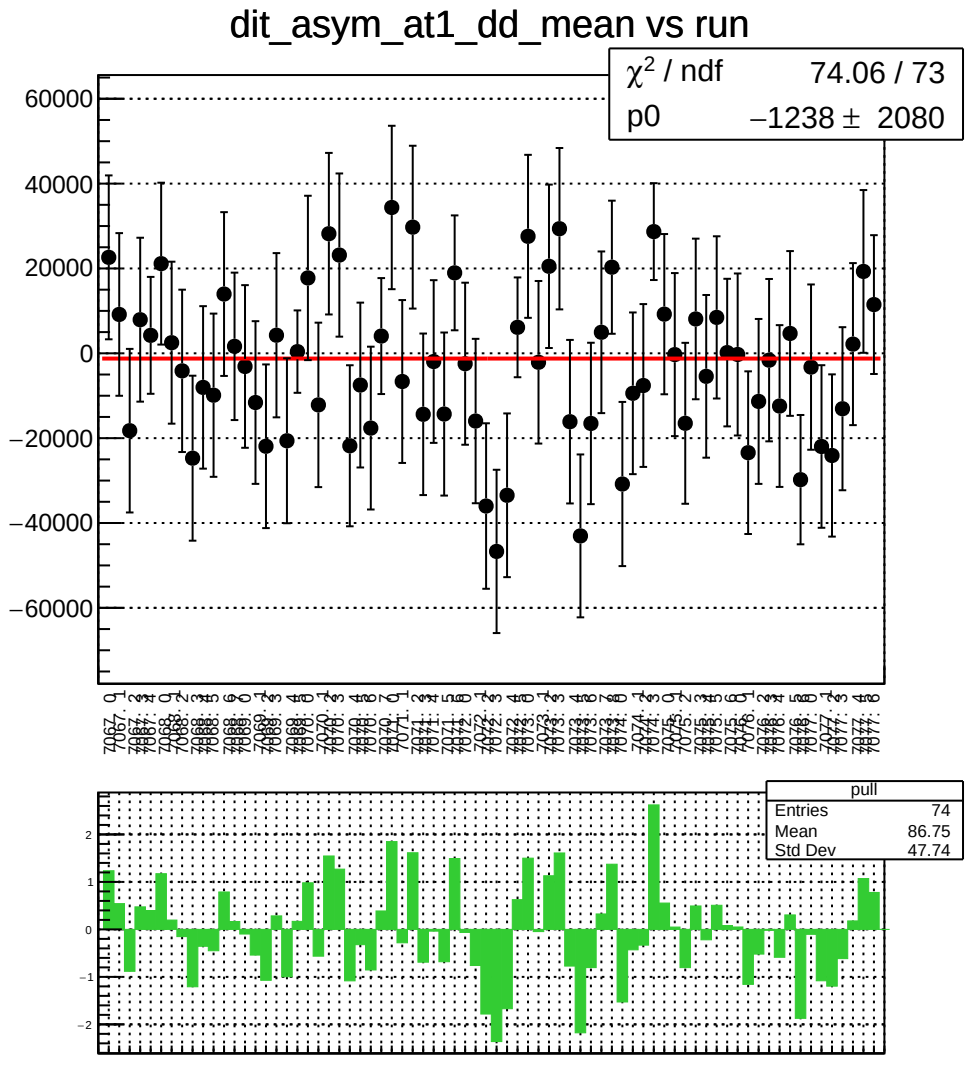

pull1D
Entries 74
Mean 0.01362
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

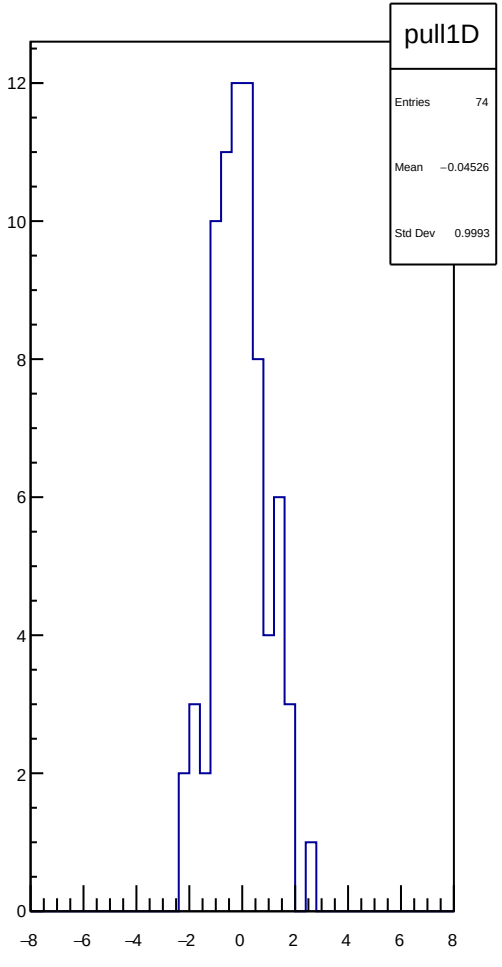

asym_at1_avg_correction_rms vs run
χ² / ndf 8228 / 73
p0 668.5 ± 0.541
800
750
700
650
600

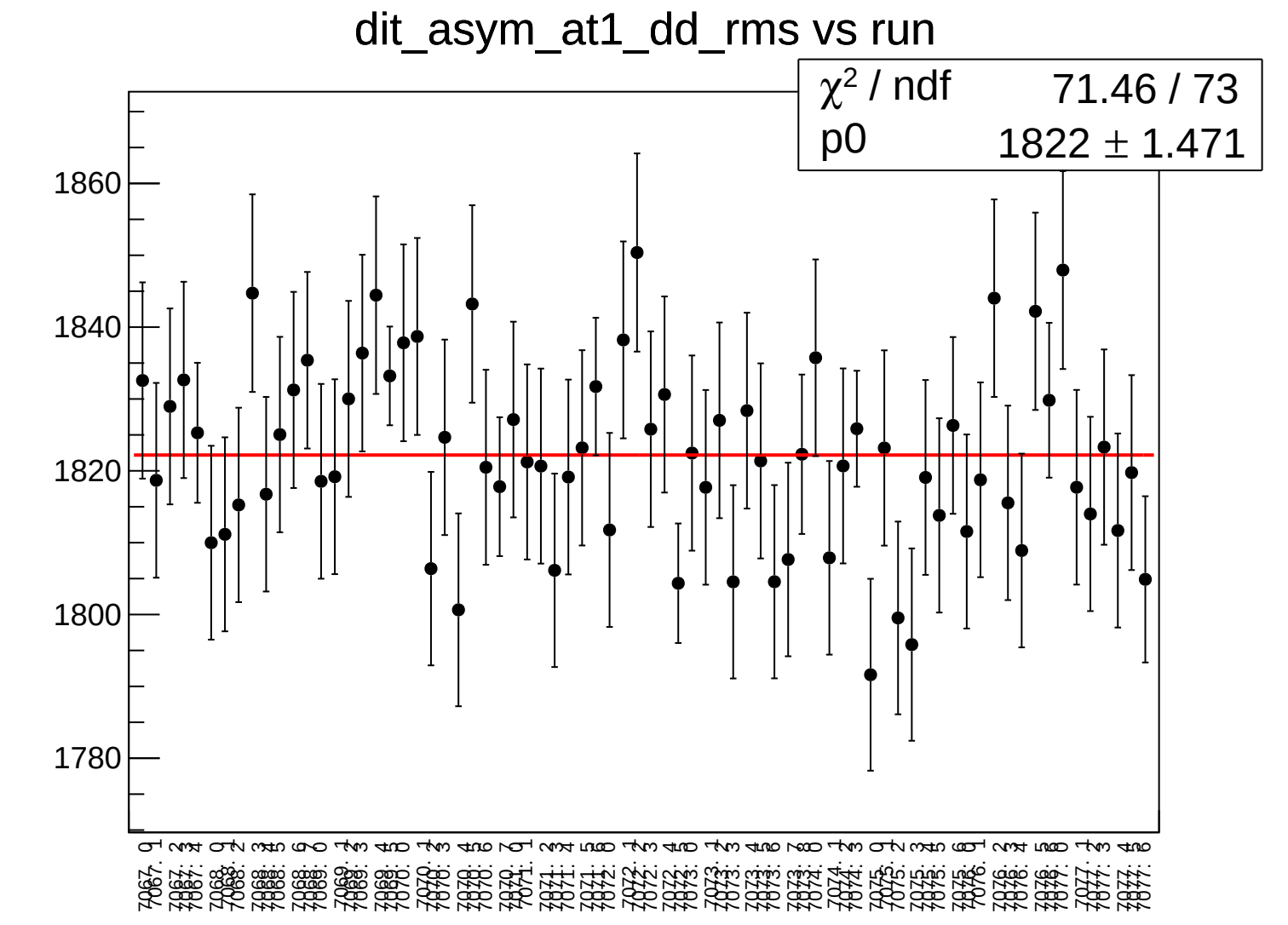

asym_at1_avg_mean vs run
χ² / ndf 66.24 / 73
p0 −1049 ± 2218
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 48.72
Std Dev 10.58
1.5
1
0.5
0
−0.5
−1
−1.5
−2

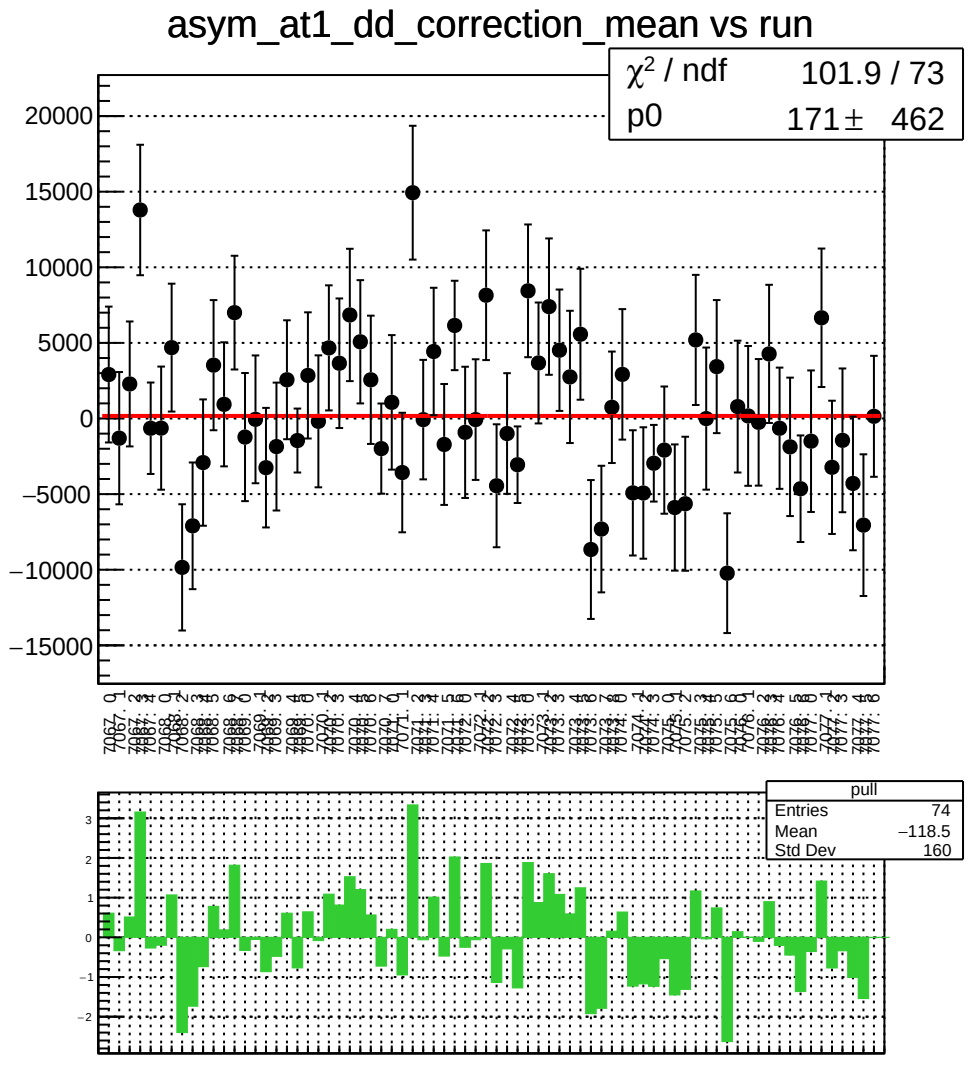

pull1D
Entries 74
Mean 0.02611
Std Dev 0.9457
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

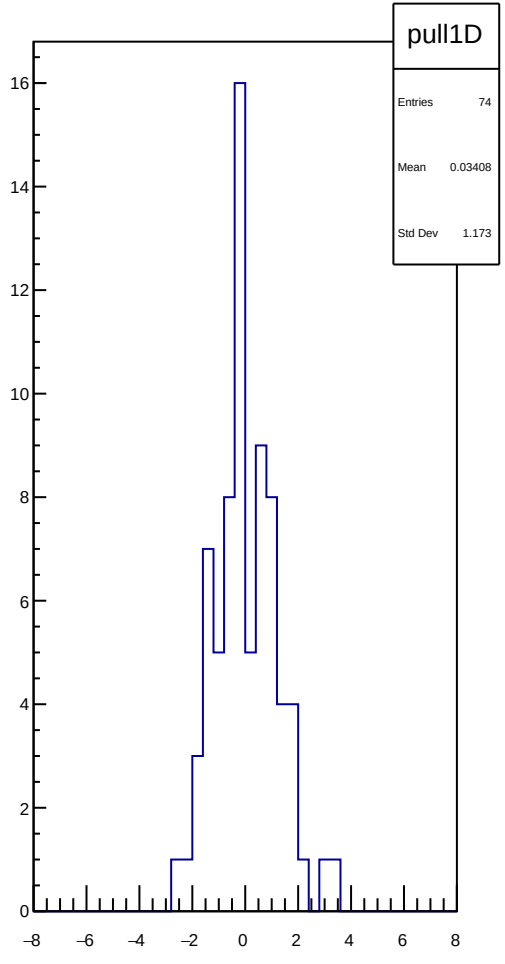

asym_at1_avg_rms vs run
χ^2 / ndf 301.6 / 73
p0 1943 ± 1.568
2040
2020
2000
1980
1960
1940
1920
1900
1880

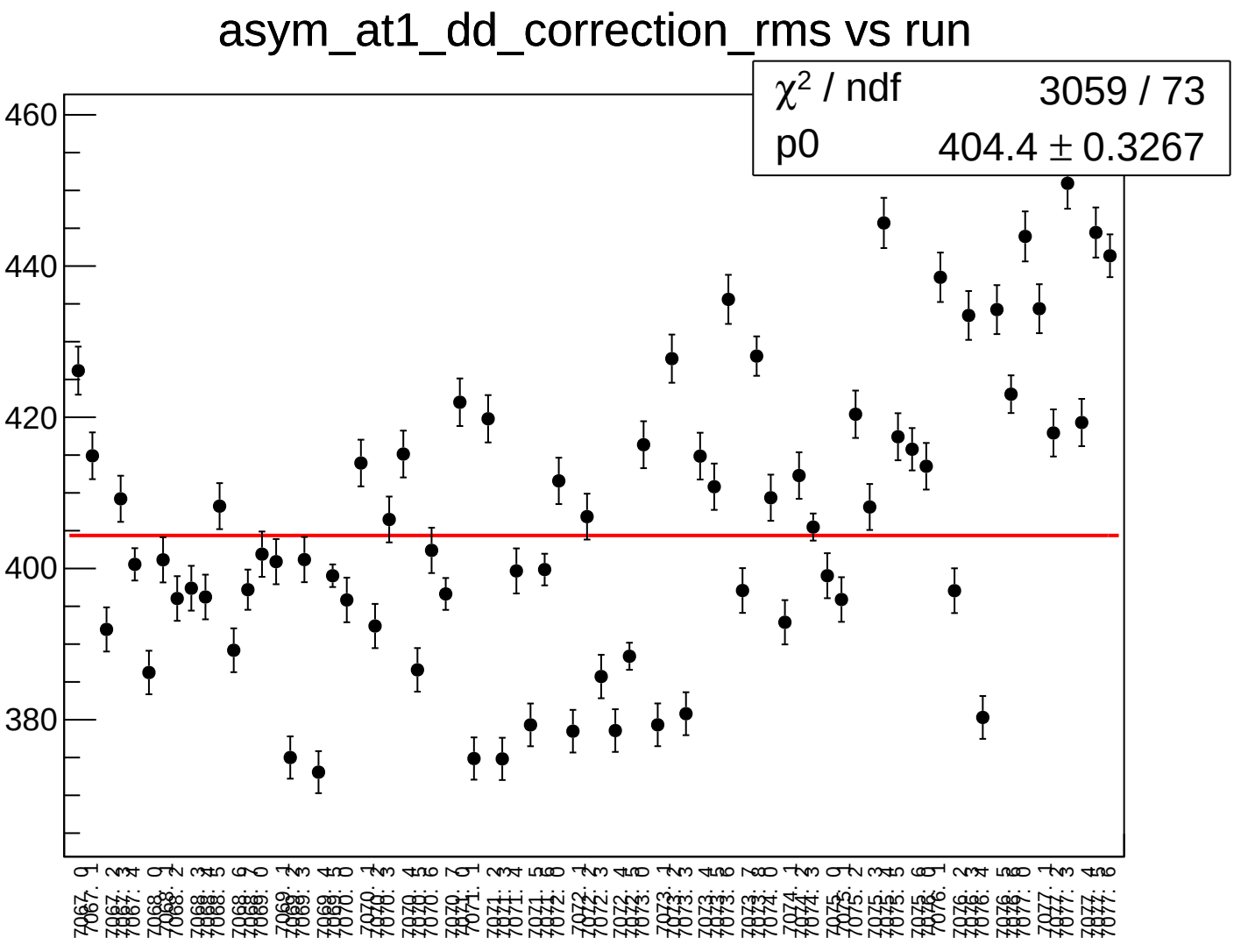

dit_asym_at1_dd_mean vs run
χ² / ndf 74.06 / 73
p0 −1238 ± 2080
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 86.75
Std Dev 47.74
2
1
0
−1
−2

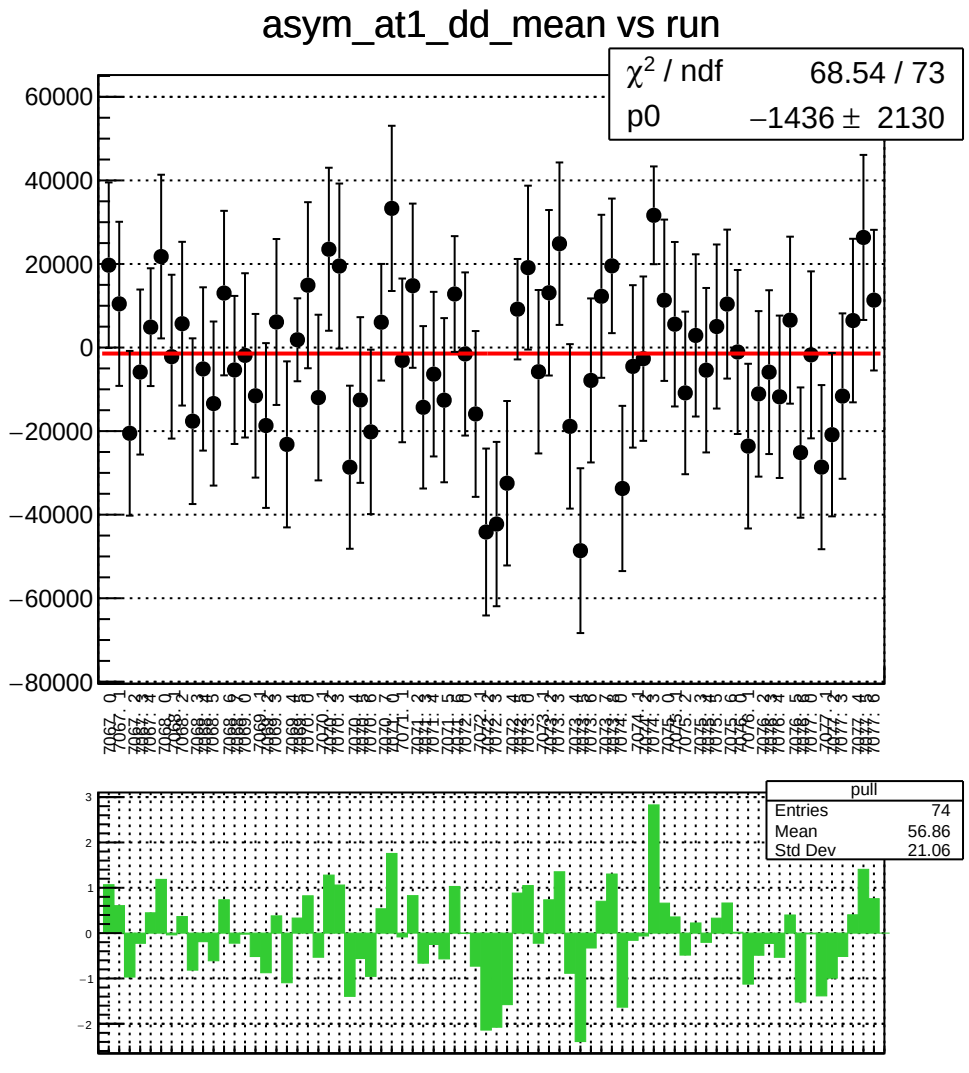

pull1D
Entries 74
Mean −0.04526
Std Dev 0.9993
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

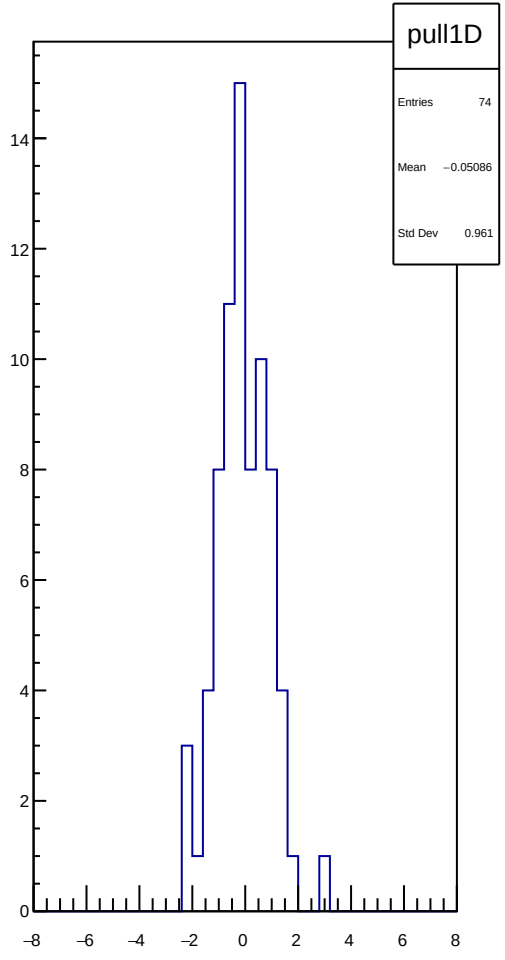

dit_asym_at1_dd_rms vs run
χ² / ndf 71.46 / 73
p0 1822 ± 1.471
1860
1840
1820
1800
1780

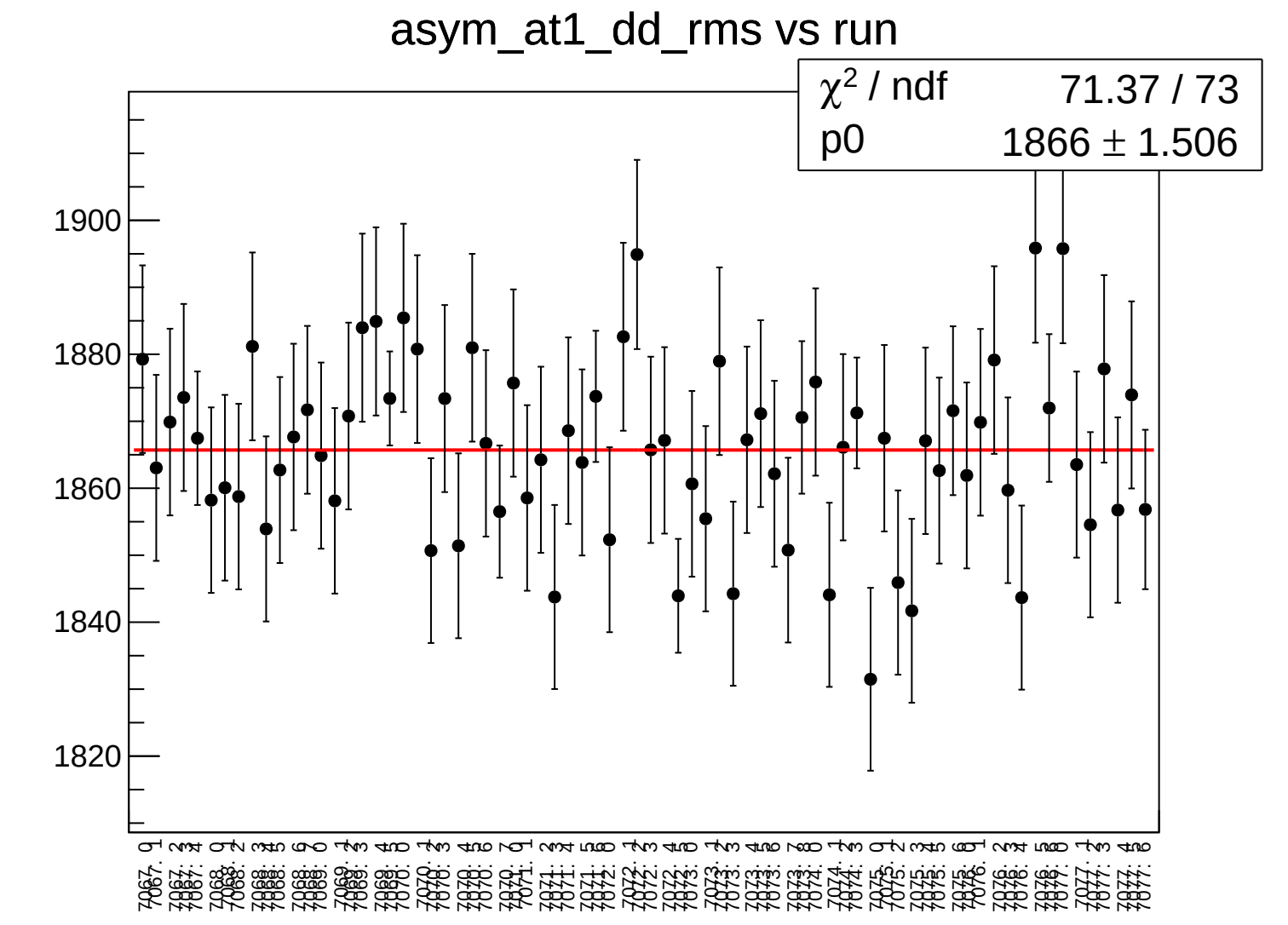

asym_at1_dd_correction_mean vs run
χ² / ndf 101.9 / 73
p0 171 ± 462
pull
Entries 74
Mean −118.5
Std Dev 160

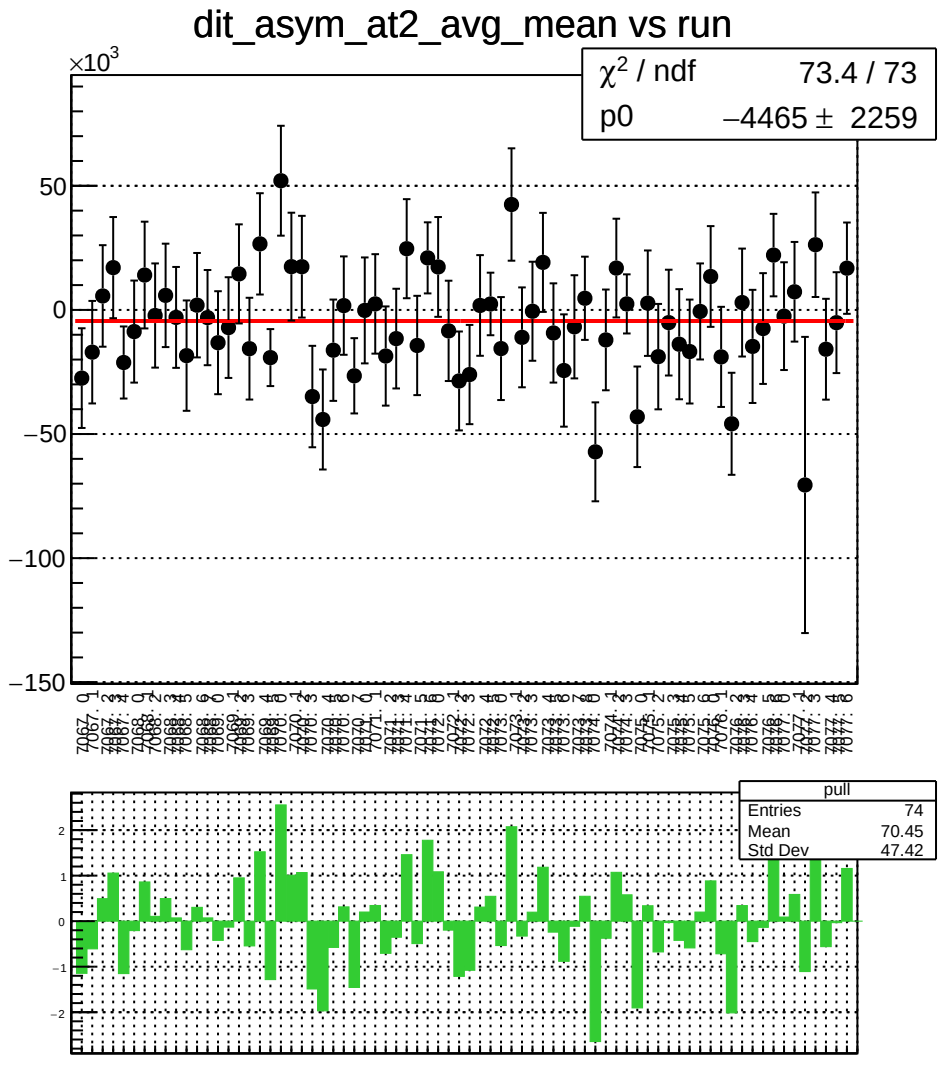

pull1D
Entries 74
Mean 0.03408
Std Dev 1.173

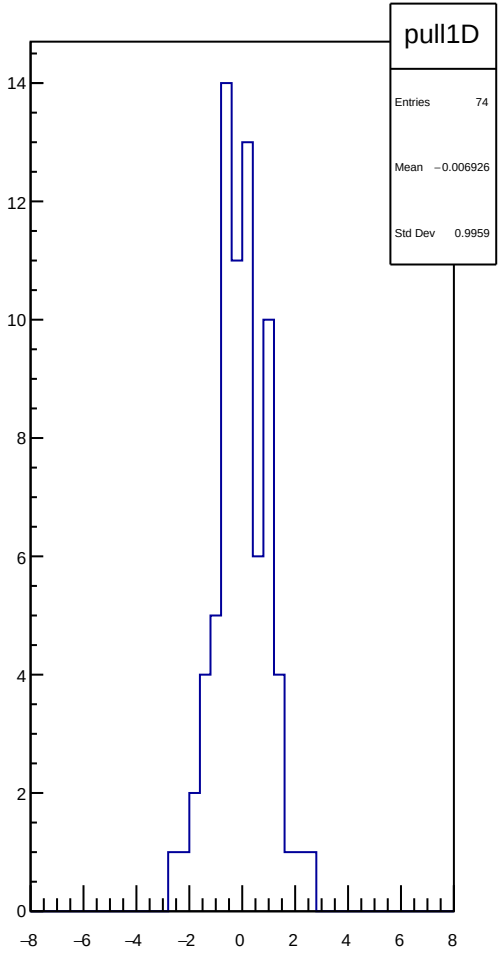

asym_at1_dd_correction_rms vs run
χ² / ndf 3059 / 73
p0 404.4 ± 0.3267
460
440
420
400
380

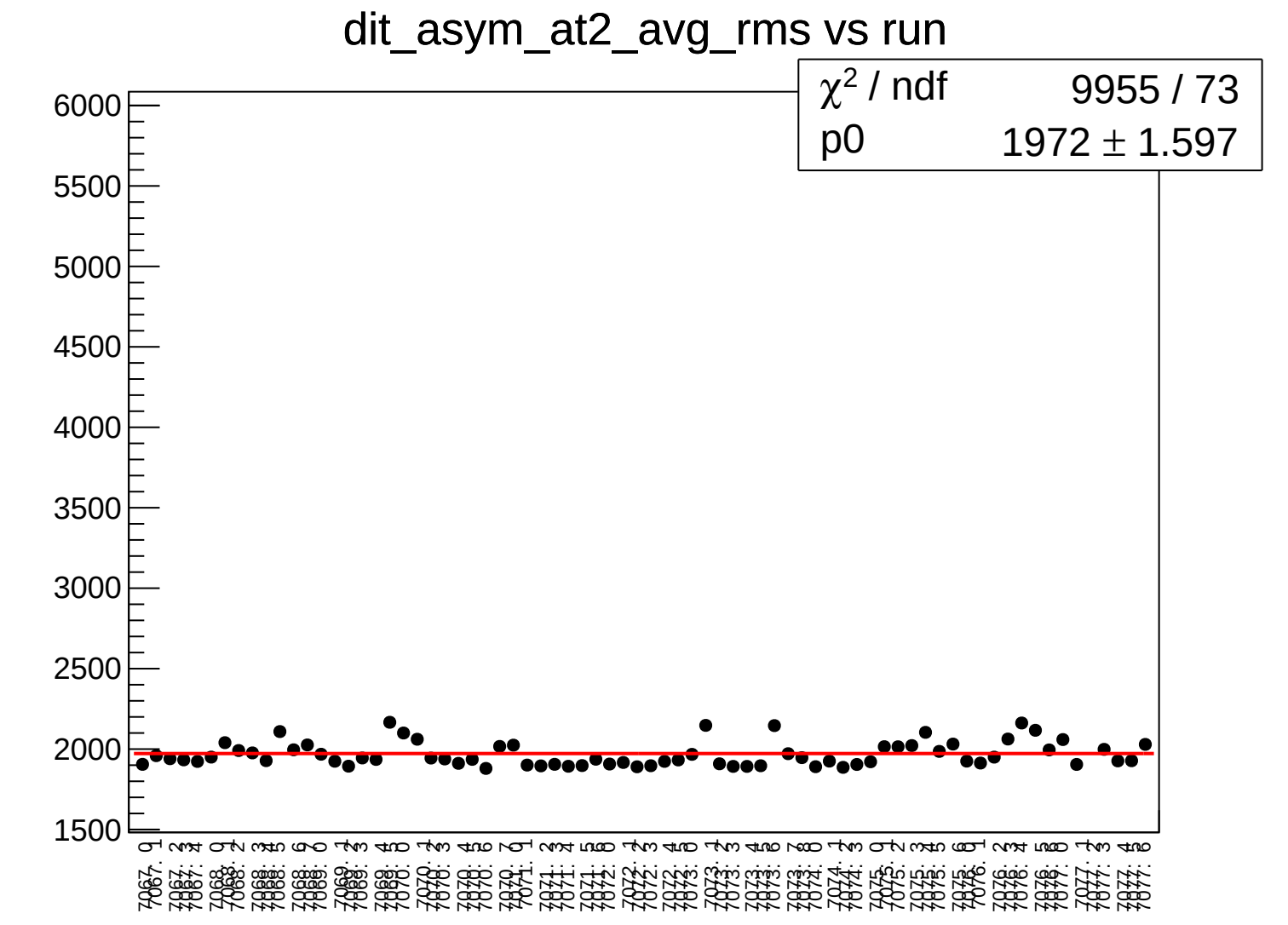

asym_at1_dd_mean vs run
χ² / ndf 68.54 / 73
p0 −1436 ± 2130
pull
Entries 74
Mean 56.86
Std Dev 21.06

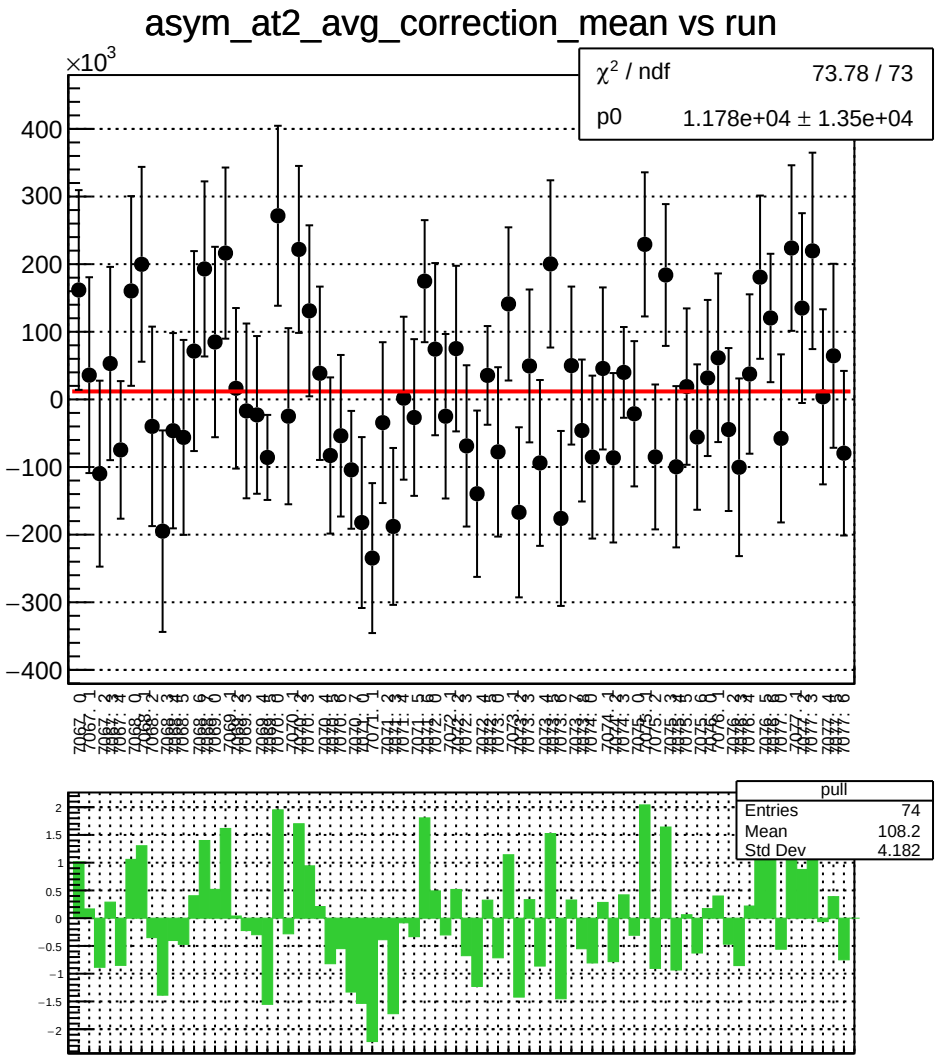

pull1D
Entries 74
Mean −0.05086
Std Dev 0.961

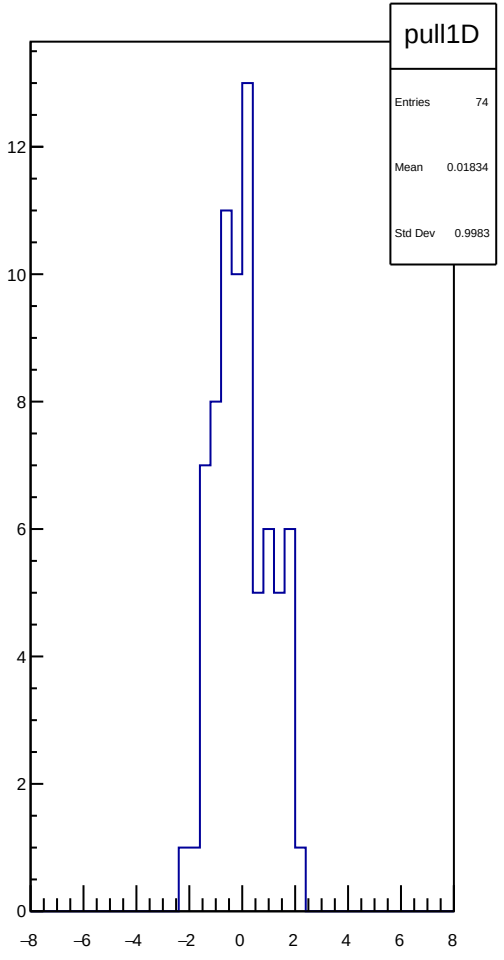

asym_at1_dd_rms vs run
χ^2 / ndf 71.37 / 73
p0 1866 ± 1.506
1900
1880
1860
1840
1820

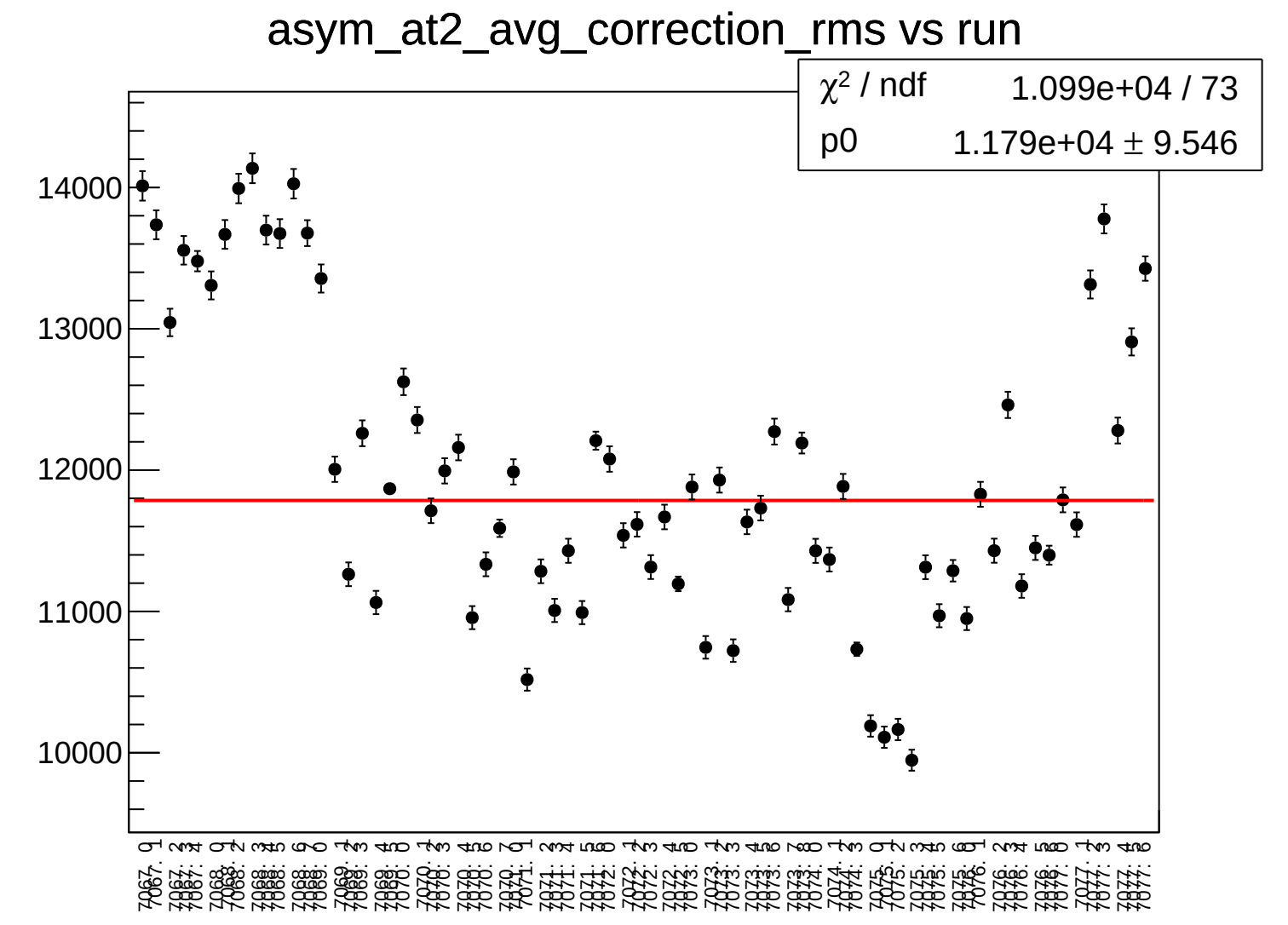

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 73.4 / 73
p0 −4465 ± 2259
50
0
−50
−100
−150
pull
Entries 74
Mean 70.45
Std Dev 47.42
2
1
0
−1
−2

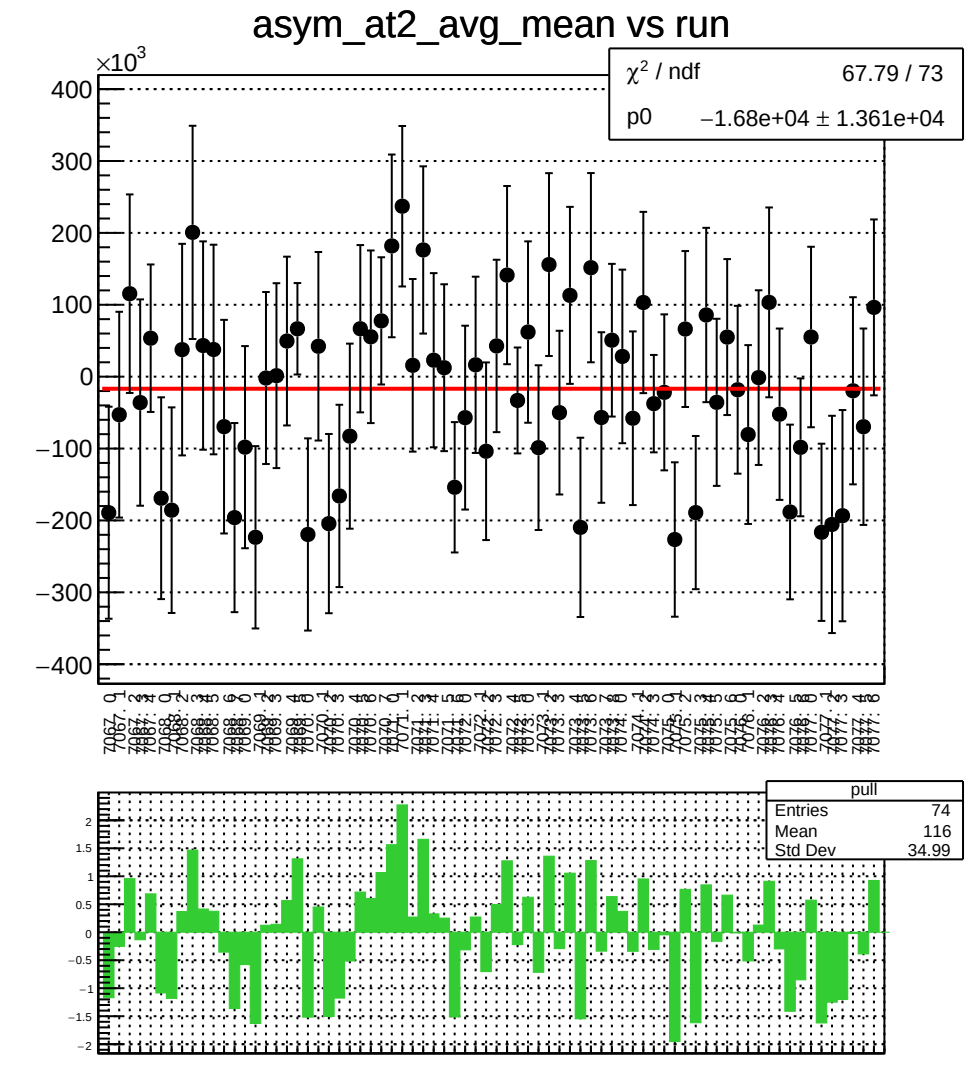

pull1D
Entries 74
Mean −0.006926
Std Dev 0.9959
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

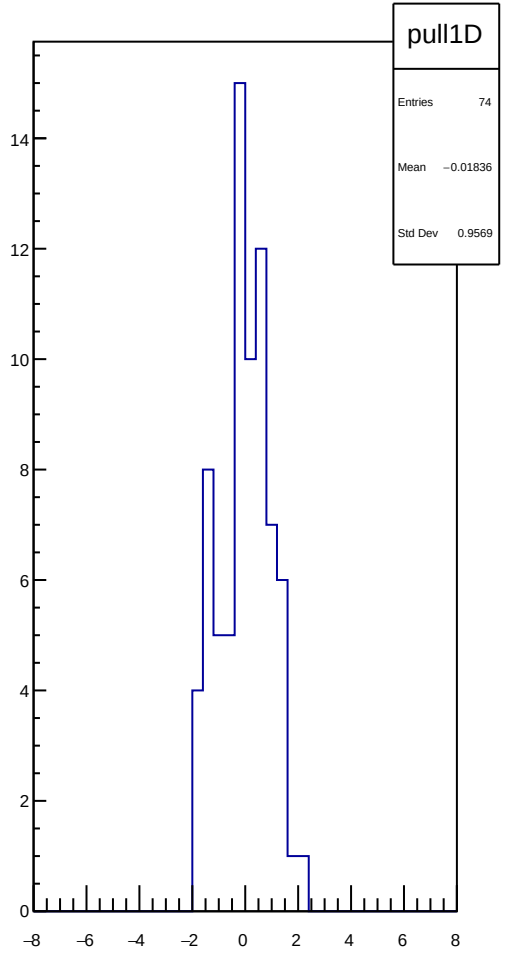

dit_asym_at2_avg_rms vs run
χ^2 / ndf 9955 / 73
p0 1972 ± 1.597
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

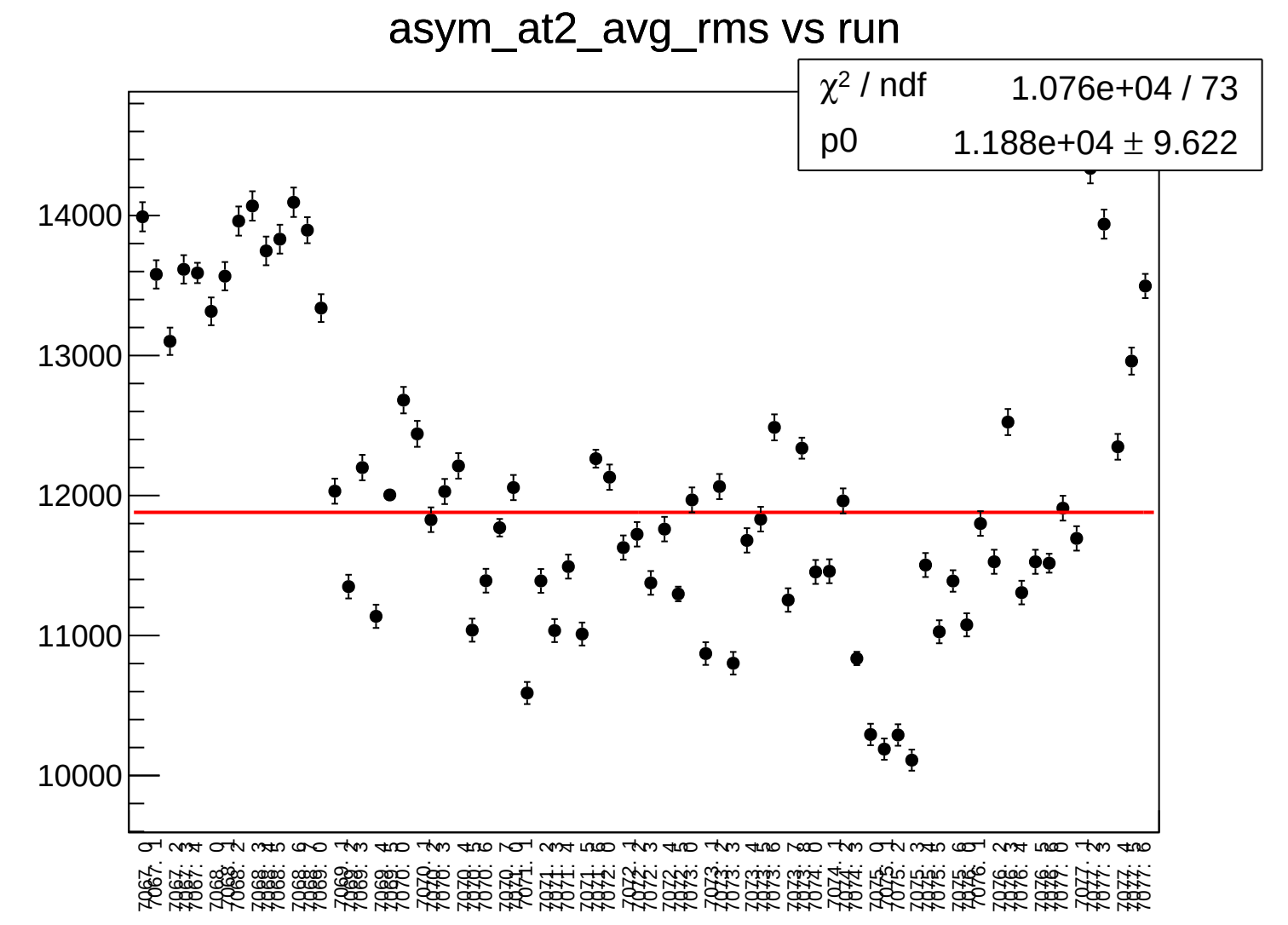

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 73.78 / 73
p0 1.178e+04 ± 1.35e+04
pull
Entries 74
Mean 108.2
Std Dev 4.182

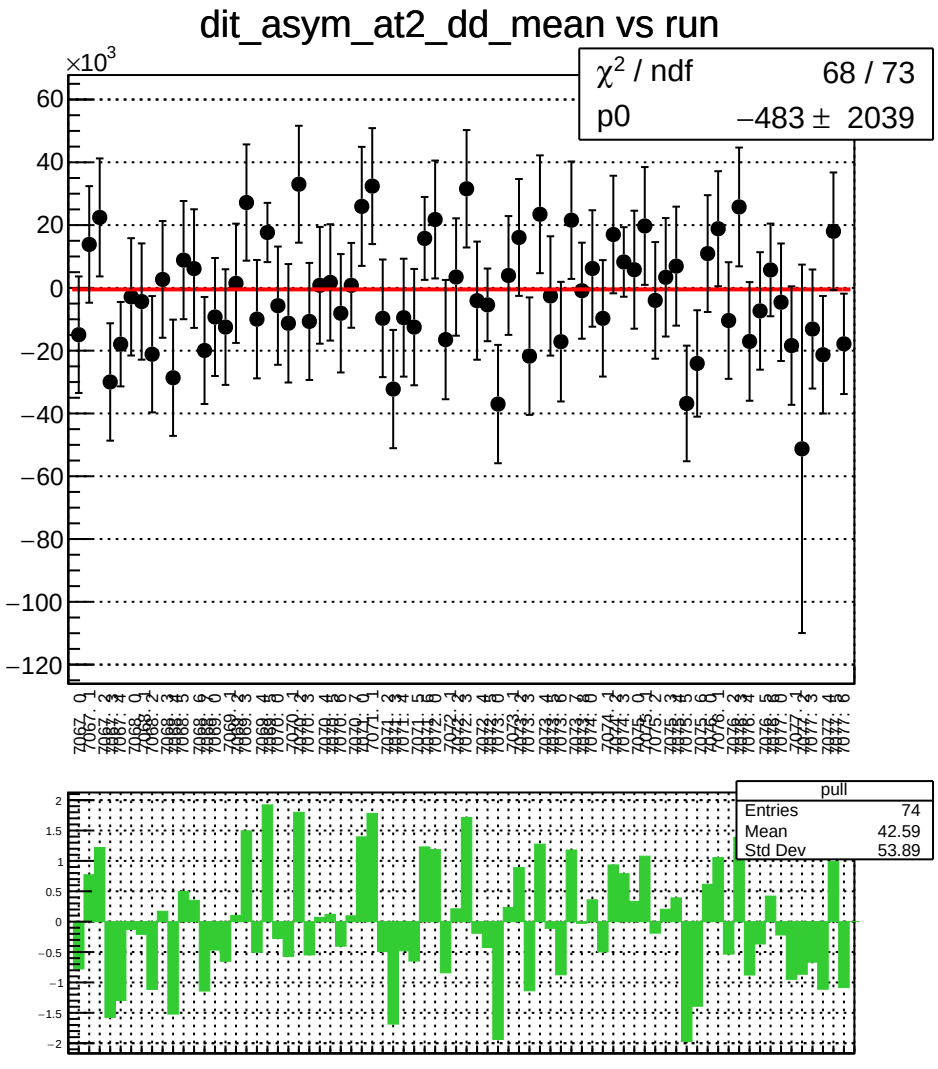

pull1D
Entries 74
Mean 0.01834
Std Dev 0.9983

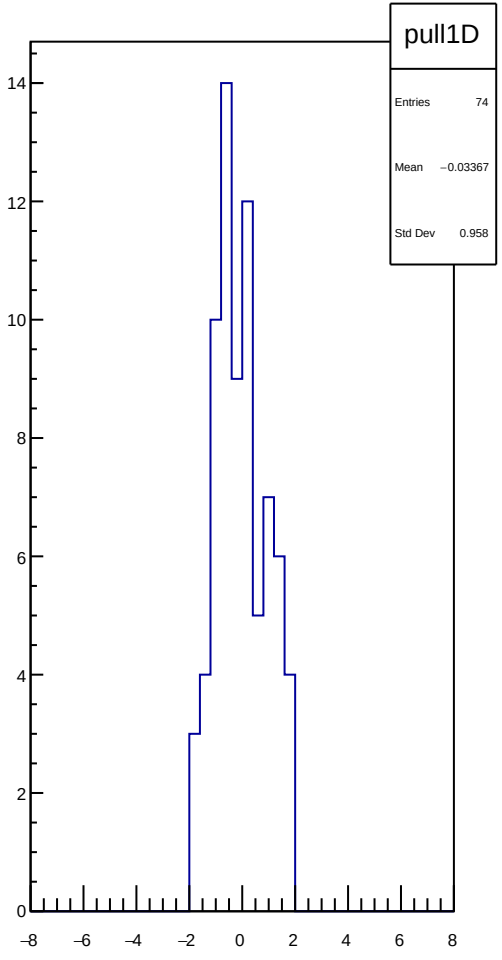

asym_at2_avg_correction_rms vs run
χ² / ndf 1.099e+04 / 73
p0 1.179e+04 ± 9.546
14000
13000
12000
11000
10000

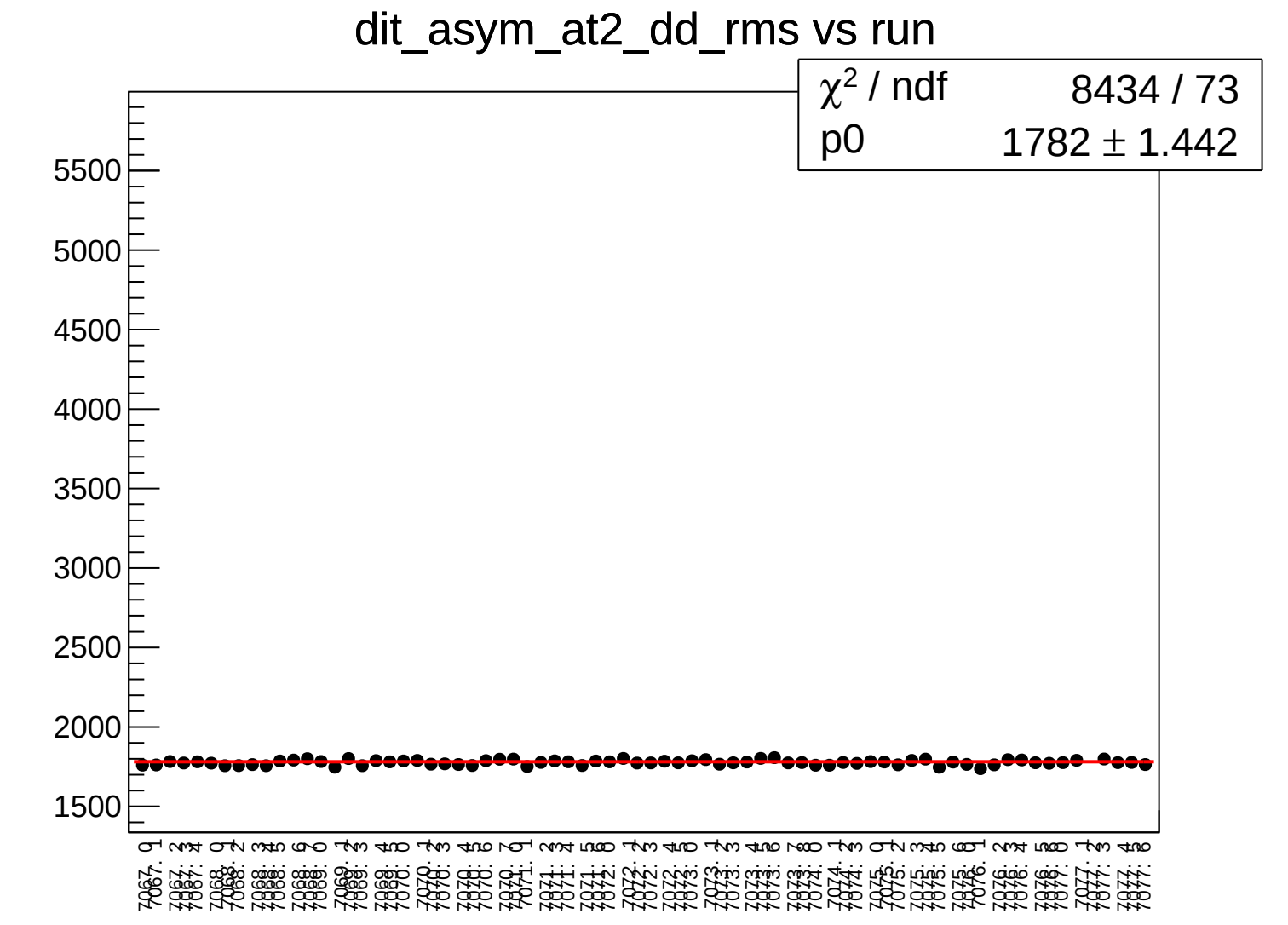

asym_at2_avg_mean vs run
×10^3
χ² / ndf 67.79 / 73
p0 −1.68e+04 ± 1.361e+04
pull
Entries 74
Mean 116
Std Dev 34.99

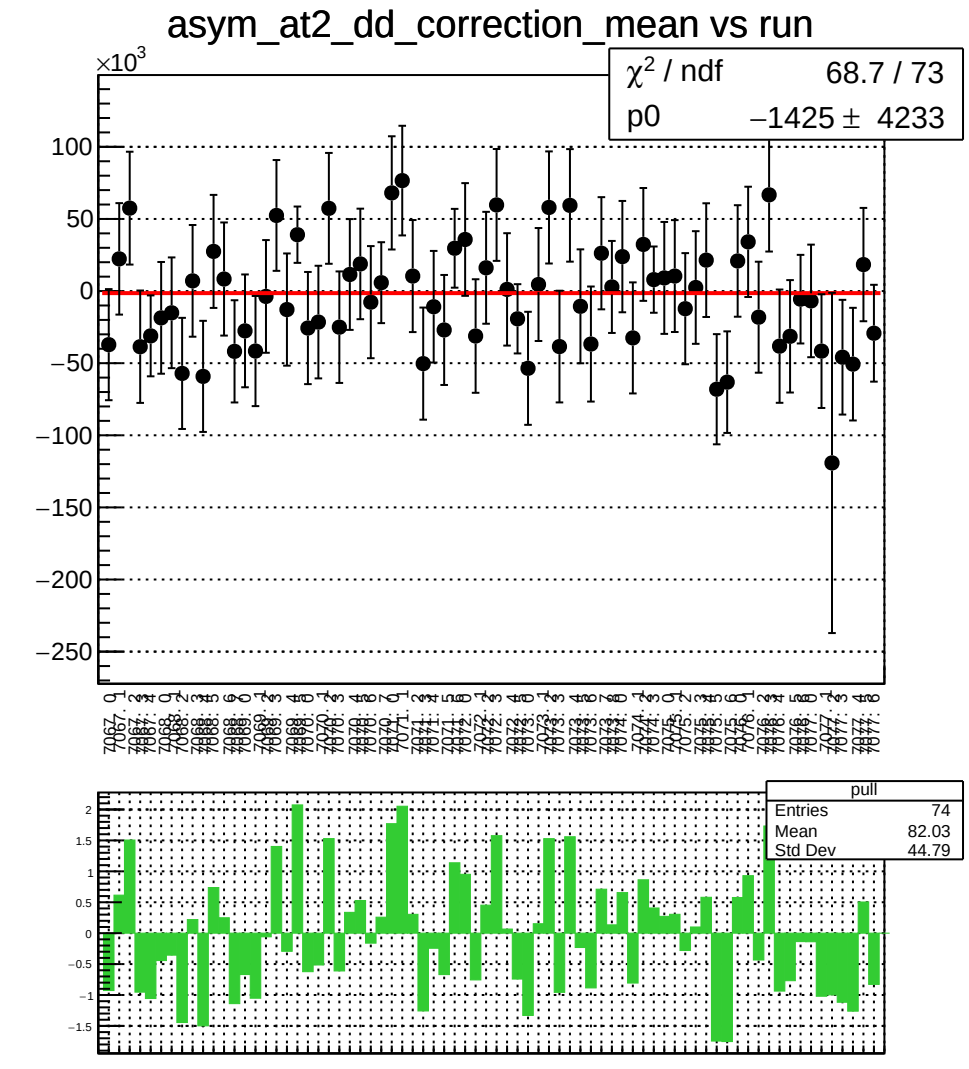

pull1D
Entries 74
Mean −0.01836
Std Dev 0.9569

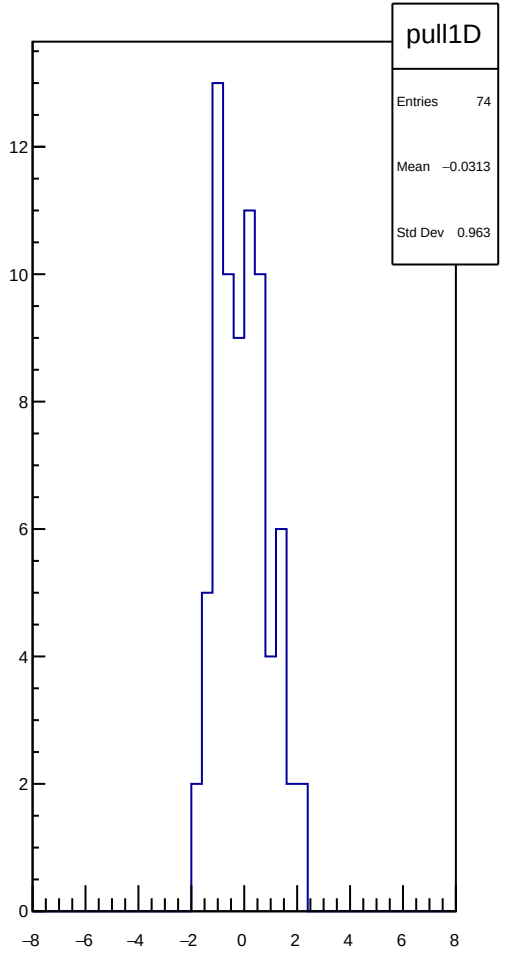

asym_at2_avg_rms vs run
χ² / ndf 1.076e+04 / 73
p0 1.188e+04 ± 9.622
14000
13000
12000
11000
10000

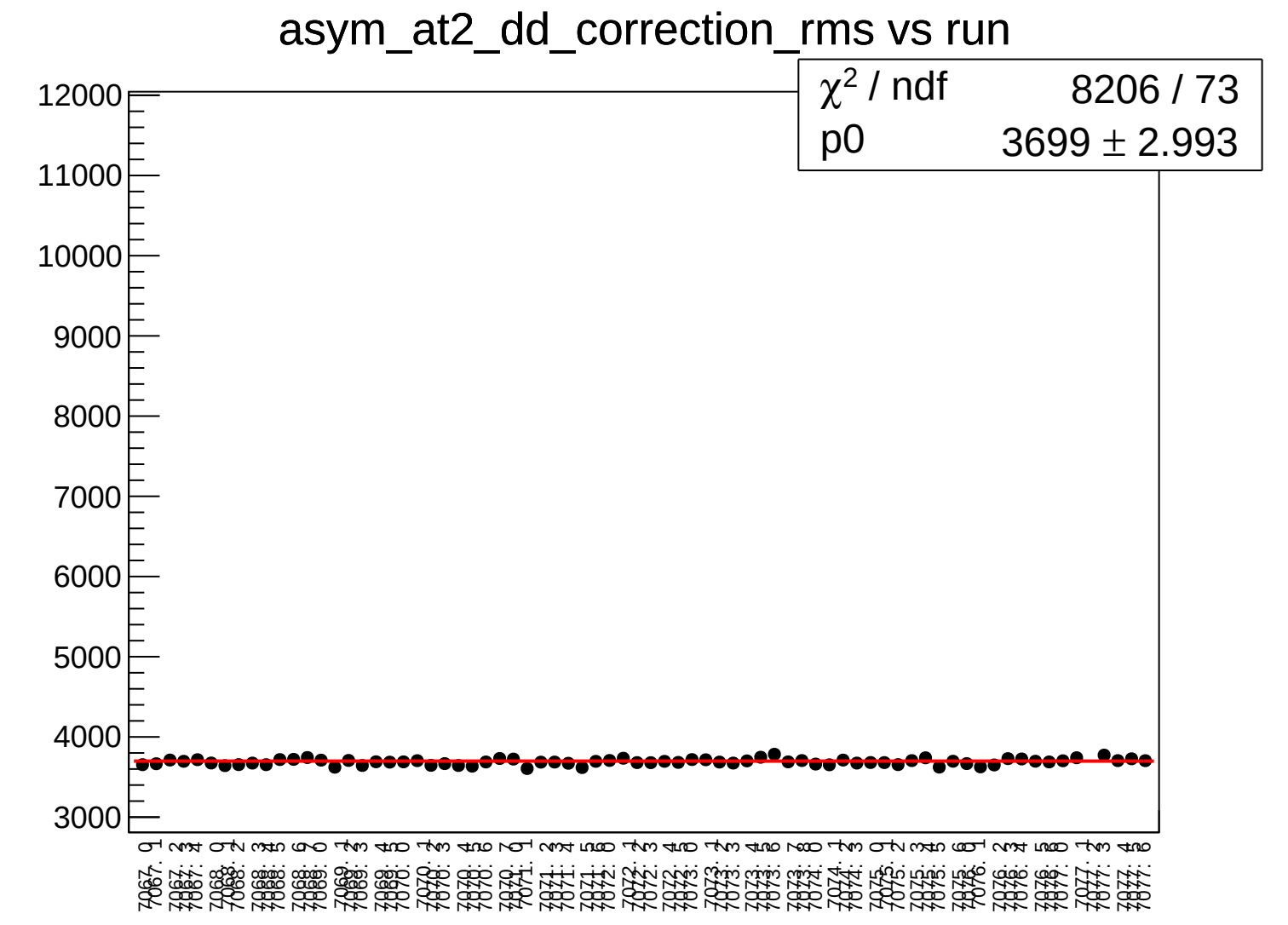

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 68 / 73
p0 −483 ± 2039
pull
Entries 74
Mean 42.59
Std Dev 53.89

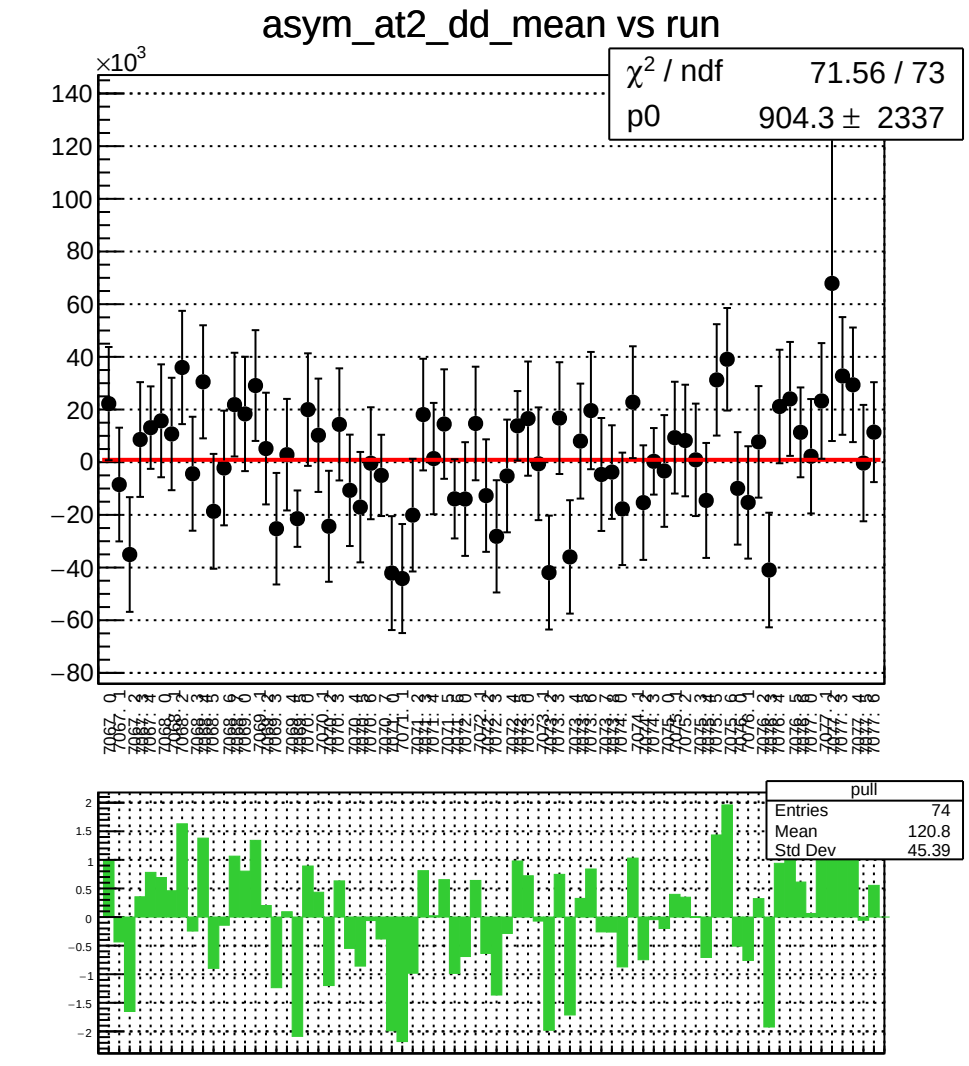

pull1D
Entries 74
Mean −0.03367
Std Dev 0.958

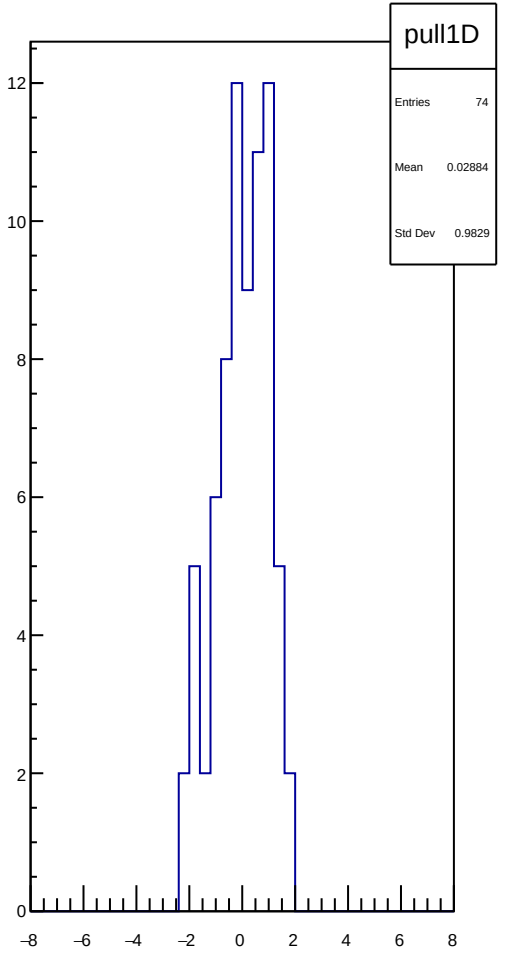

dit_asym_at2_dd_rms vs run
χ^2 / ndf 8434 / 73
p0 1782 ± 1.442
5500
5000
4500
4000
3500
3000
2500
2000
1500

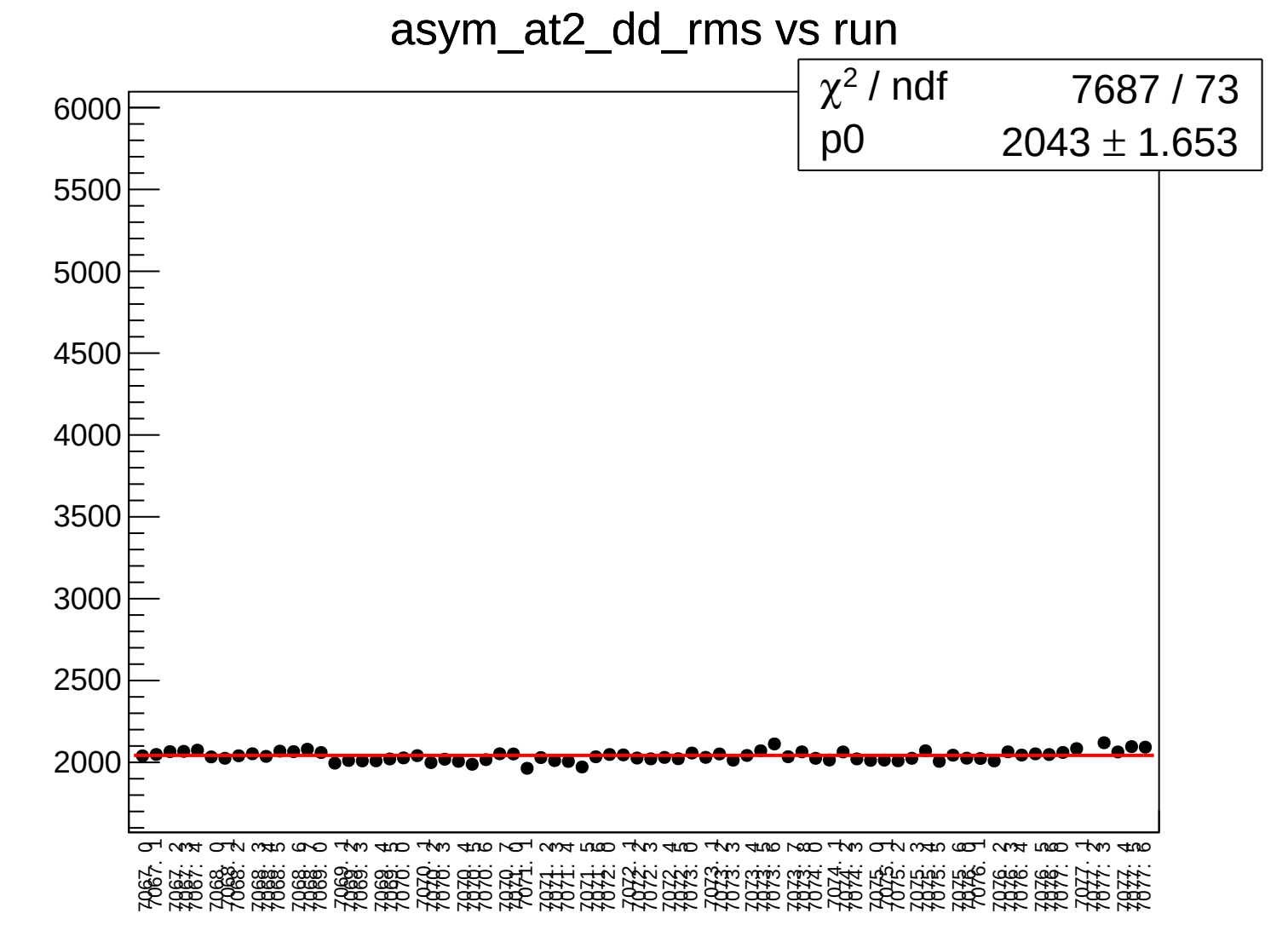

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 68.7 / 73
p0 −1425 ± 4233
100
50
0
−50
−100
−150
−200
−250
pull
Entries 74
Mean 82.03
Std Dev 44.79
2
1.5
1
0.5
0
−0.5
−1
−1.5

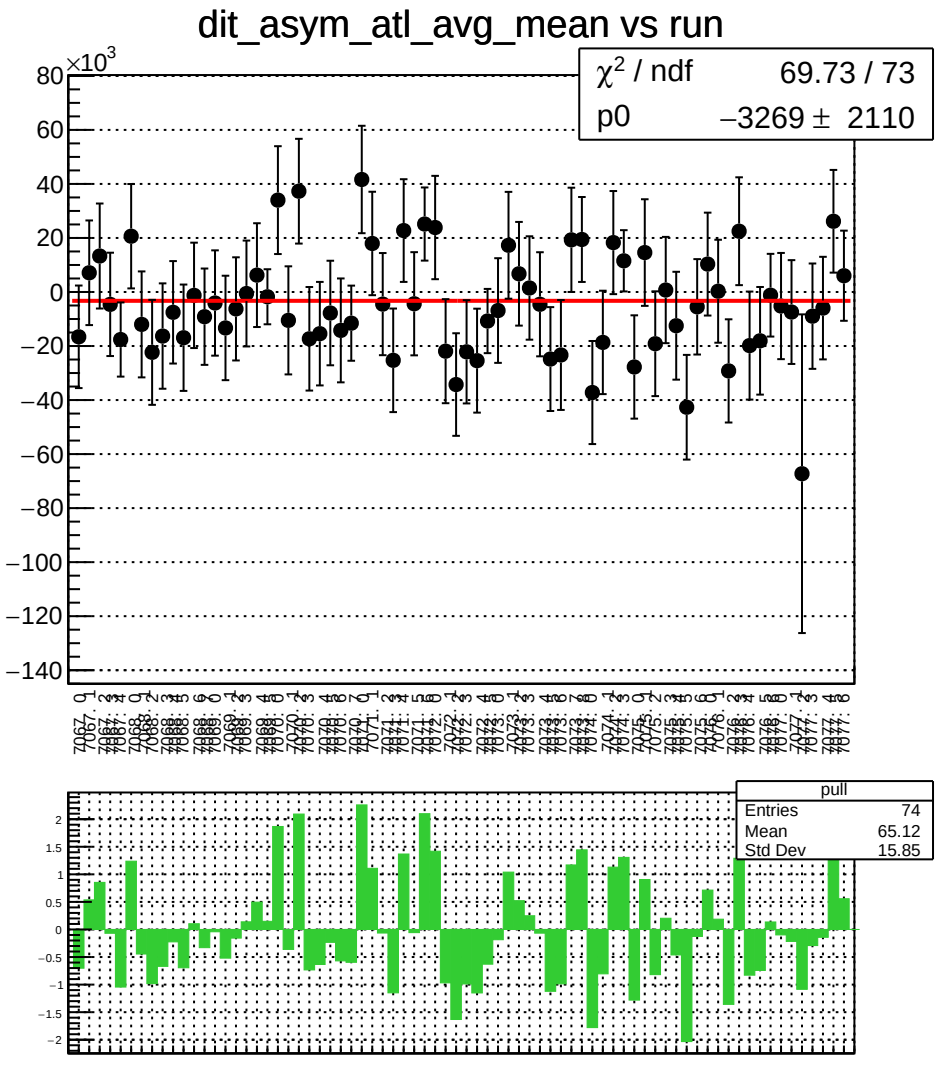

pull1D
Entries 74
Mean −0.0313
Std Dev 0.963
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

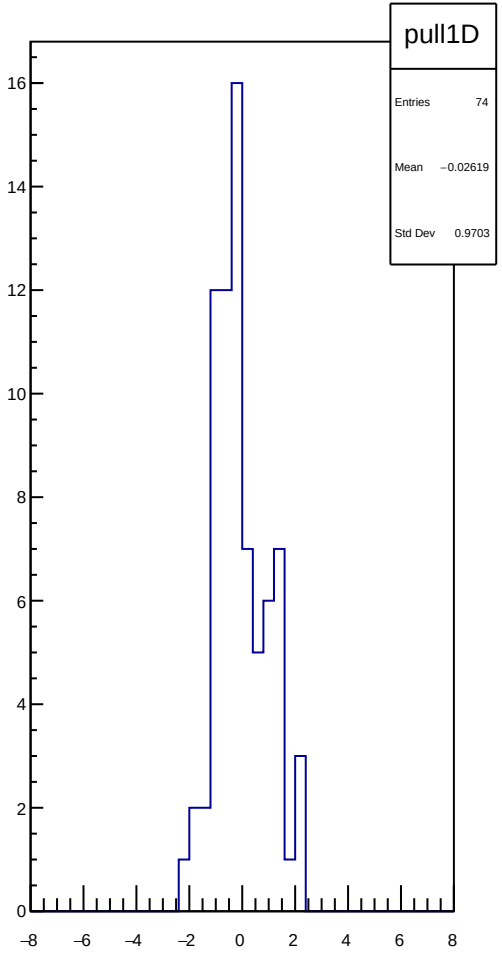

asym_at2_dd_correction_rms vs run
χ² / ndf 8206 / 73
p0 3699 ± 2.993
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000

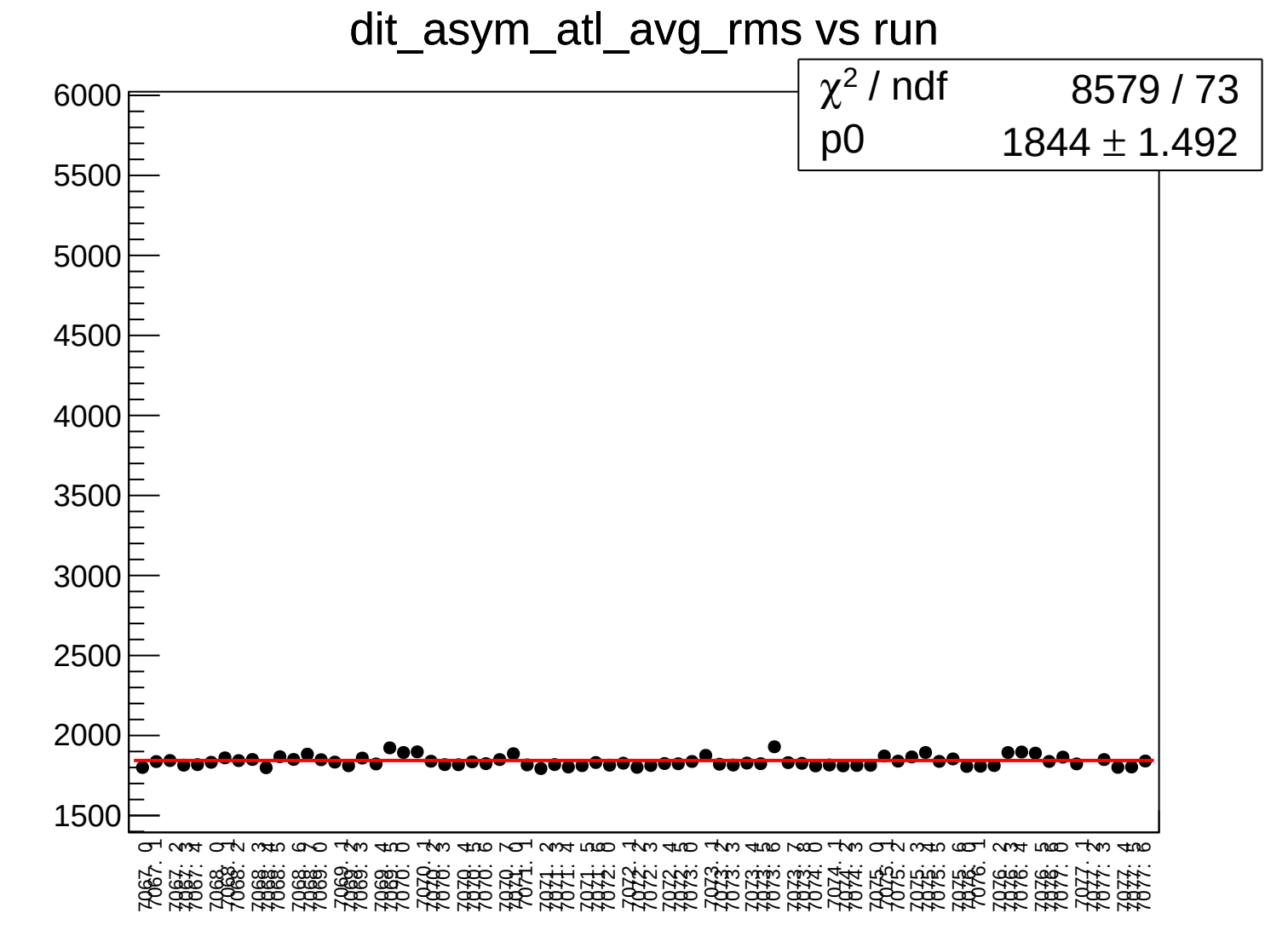

asym_at2_dd_mean vs run
×10^3
χ² / ndf 71.56 / 73
p0 904.3 ± 2337
pull
Entries 74
Mean 120.8
Std Dev 45.39

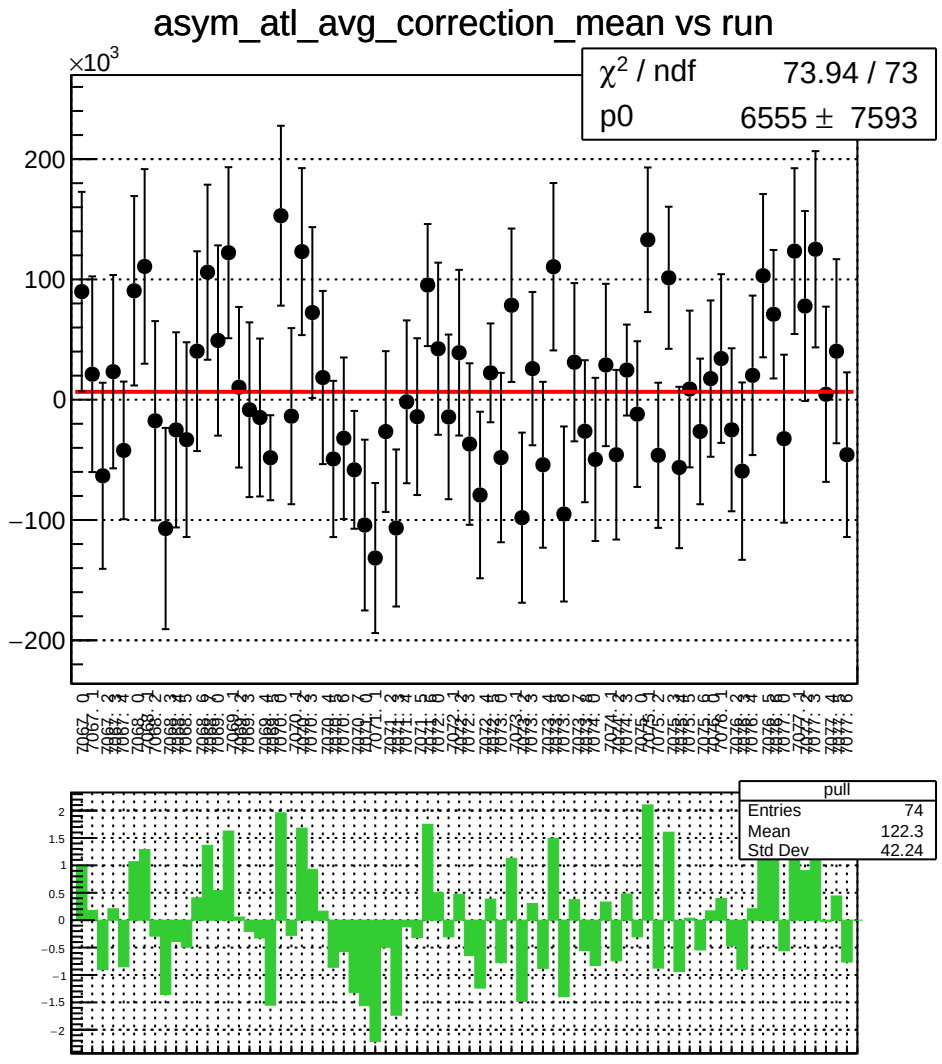

pull1D
Entries 74
Mean 0.02884
Std Dev 0.9829

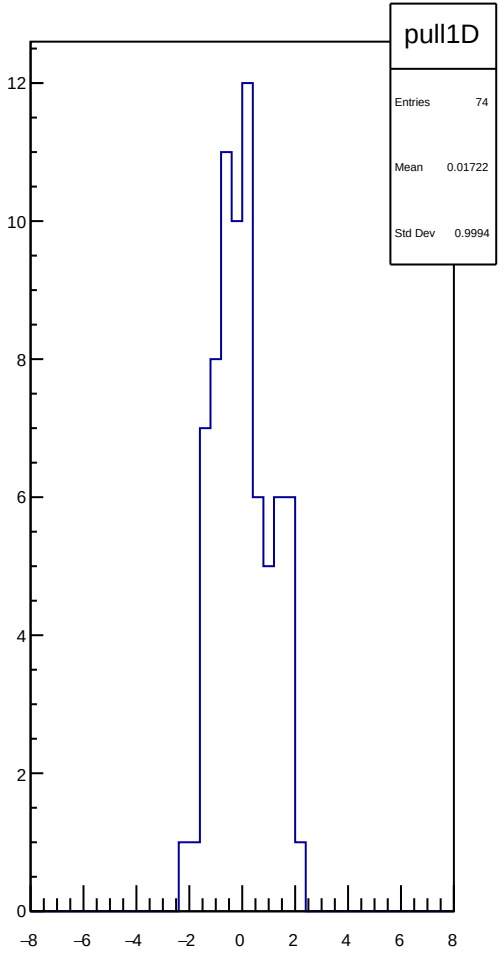

asym_at2_dd_rms vs run
χ^2 / ndf 7687 / 73
p0 2043 ± 1.653
6000
5500
5000
4500
4000
3500
3000
2500
2000

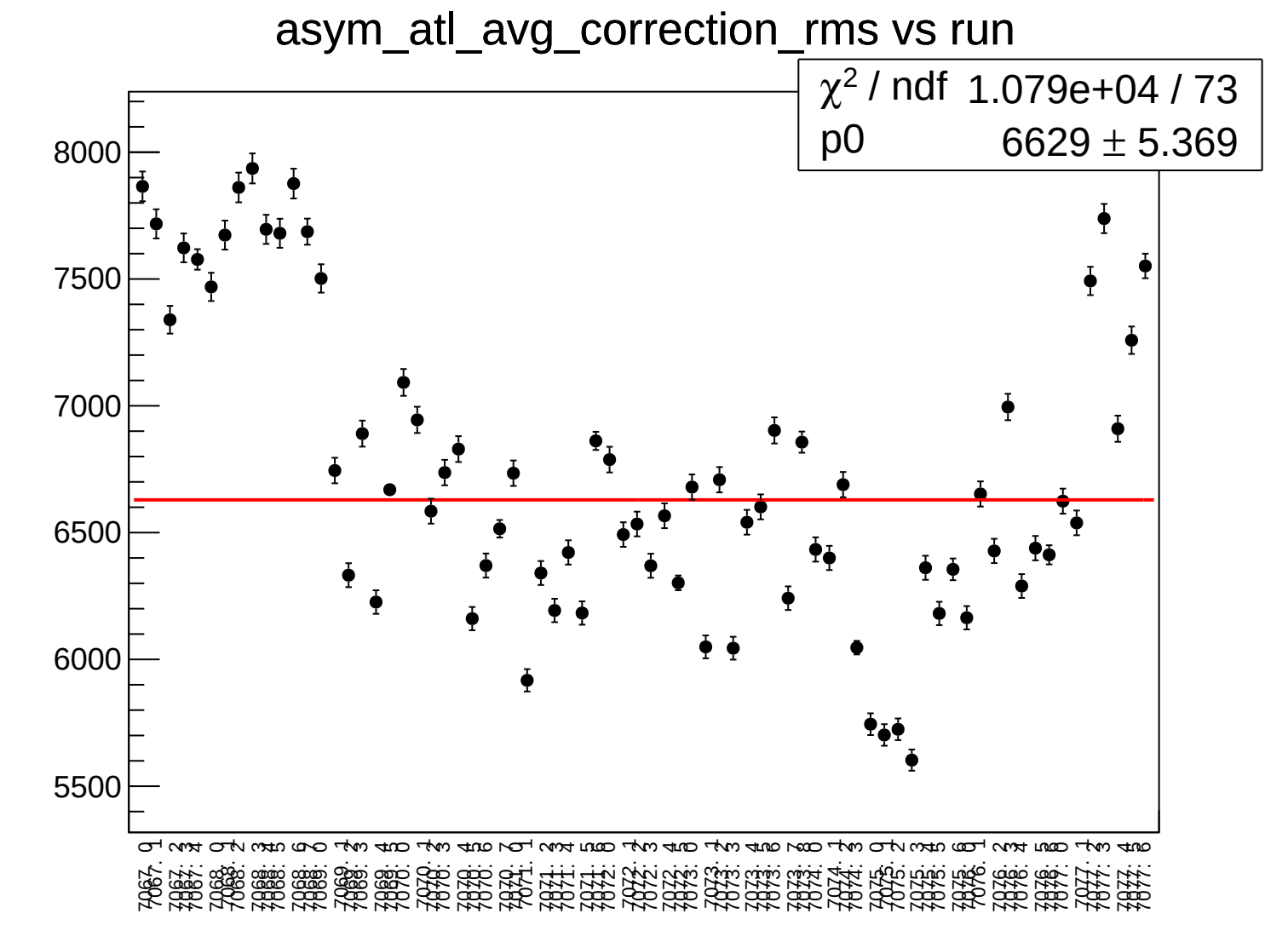

dit_asym_atl_avg_mean vs run
χ² / ndf 69.73 / 73
p0 −3269 ± 2110
×10³
pull
Entries 74
Mean 65.12
Std Dev 15.85

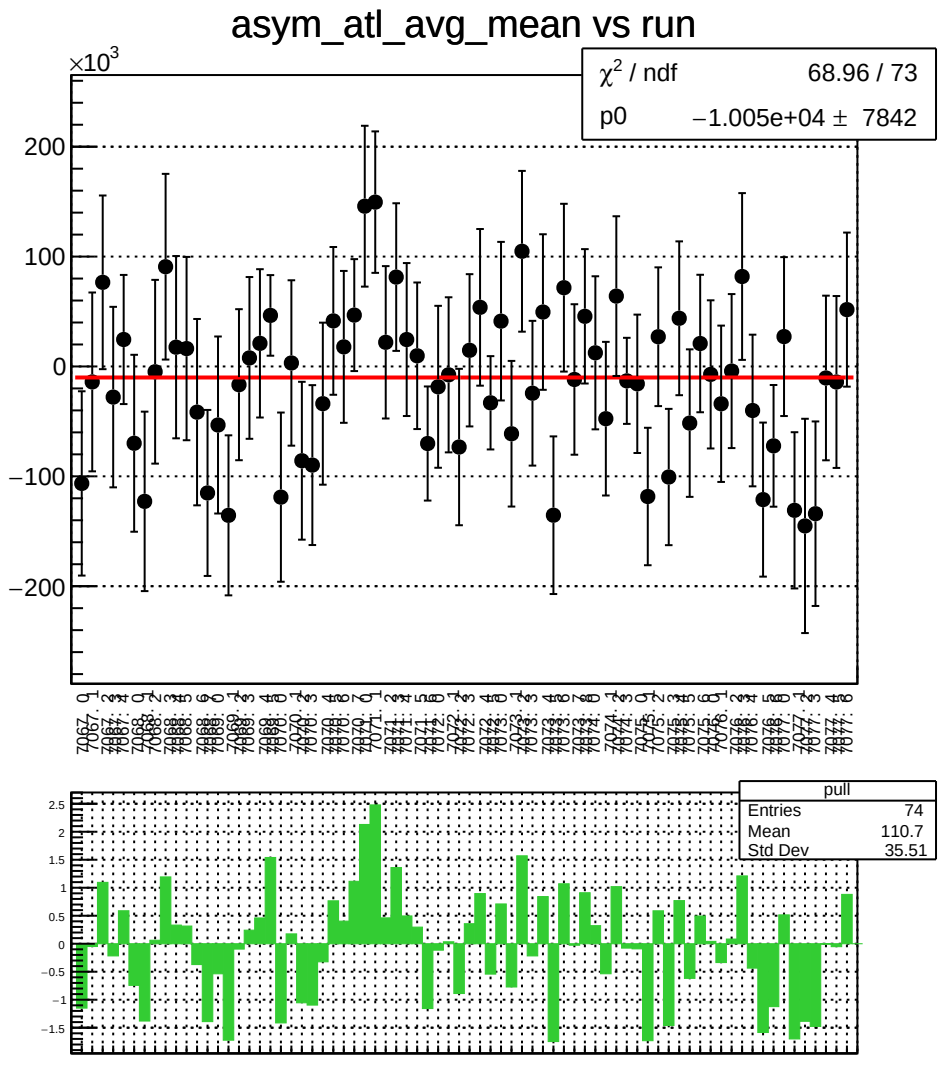

pull1D
Entries 74
Mean −0.02619
Std Dev 0.9703

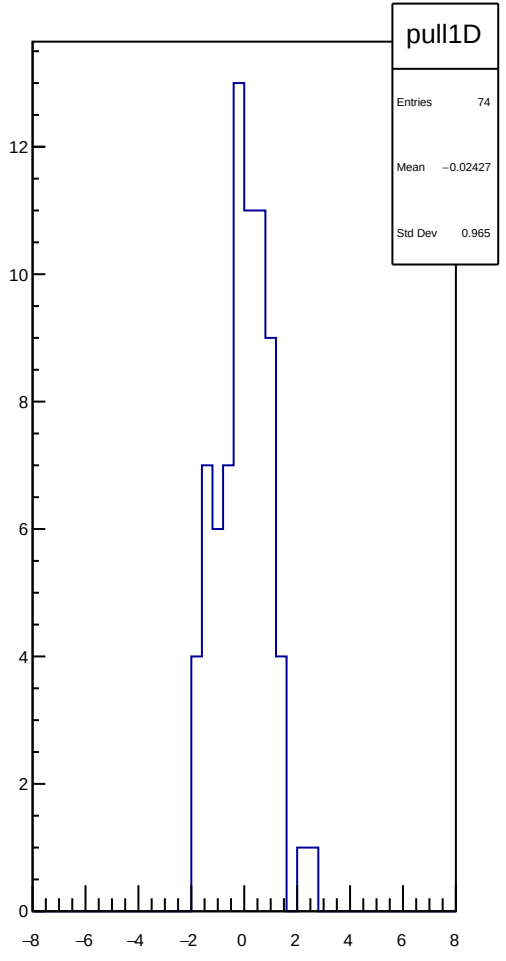

dit_asym_atl_avg_rms vs run
χ² / ndf 8579 / 73
p0 1844 ± 1.492
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

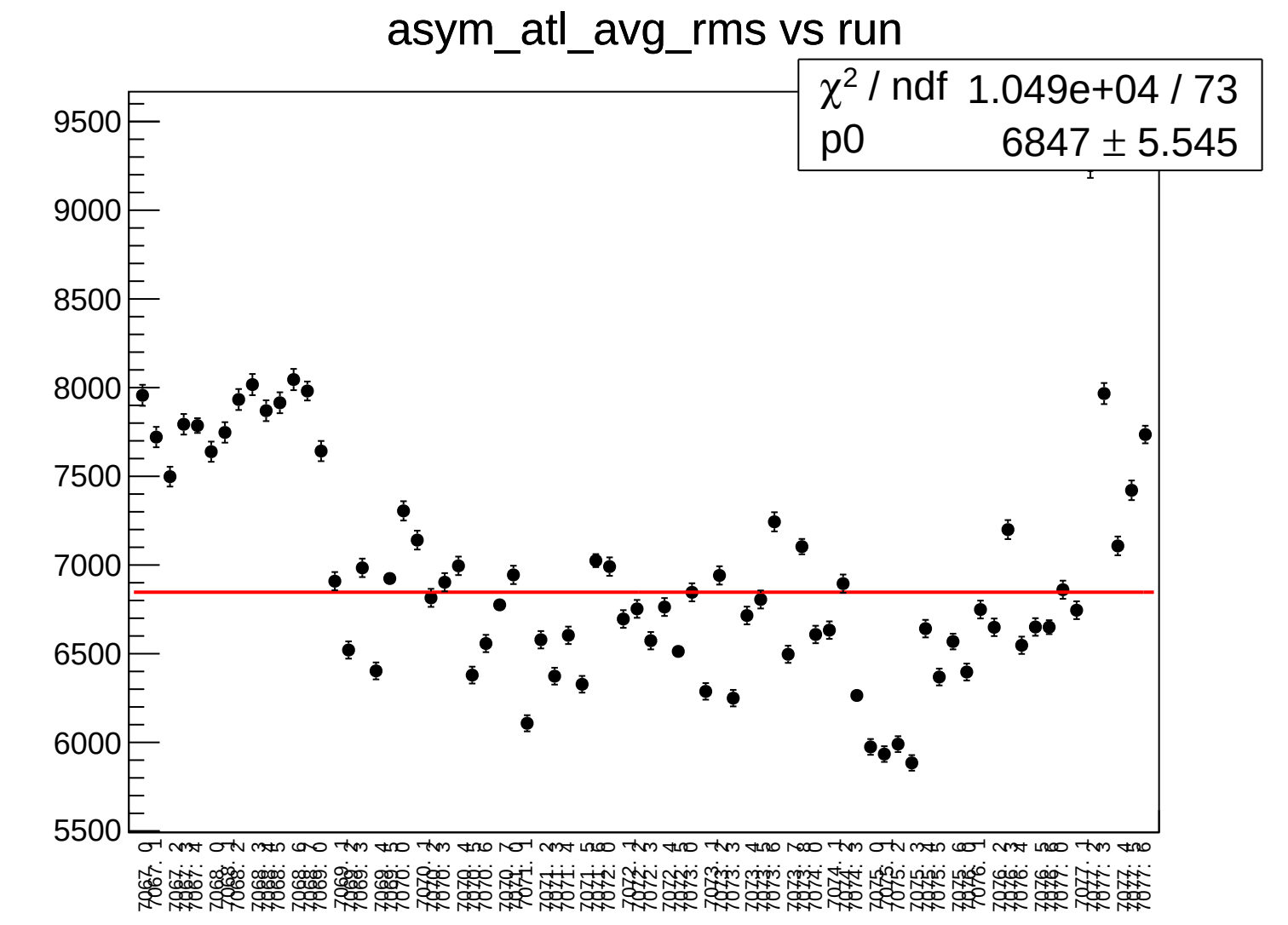

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 73.94 / 73
p0 6555 ± 7593
200
100
0
−100
−200
pull
Entries 74
Mean 122.3
Std Dev 42.24
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

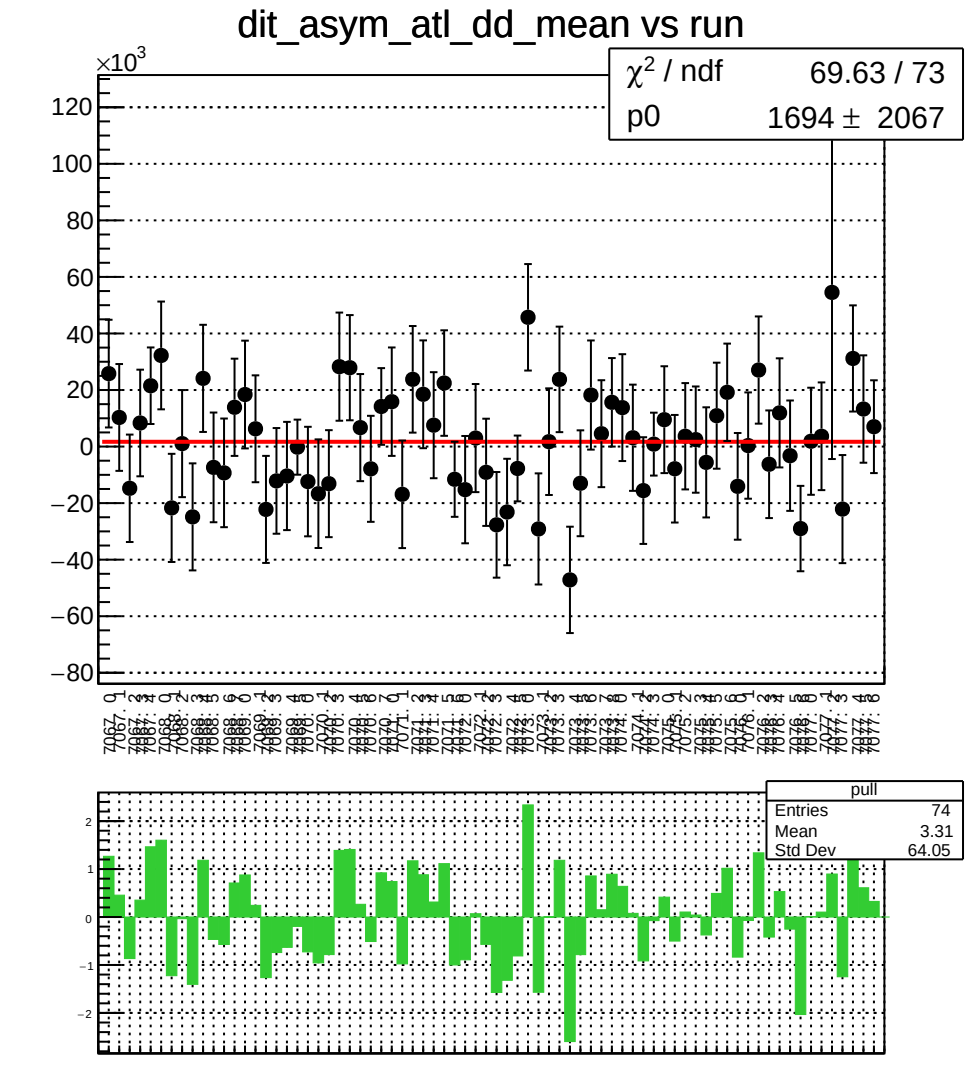

pull1D
Entries 74
Mean 0.01722
Std Dev 0.9994
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

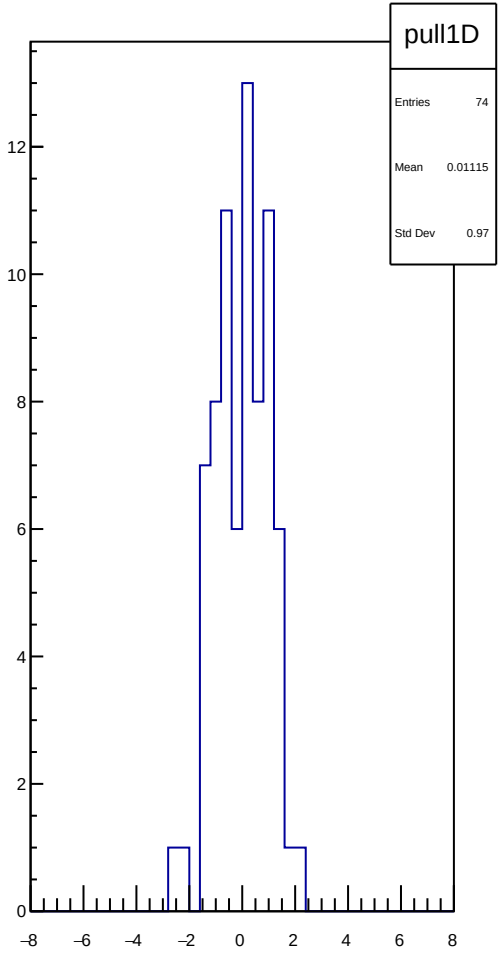

asym_atl_avg_correction_rms vs run
χ² / ndf 1.079e+04 / 73
p0 6629 ± 5.369
8000
7500
7000
6500
6000
5500

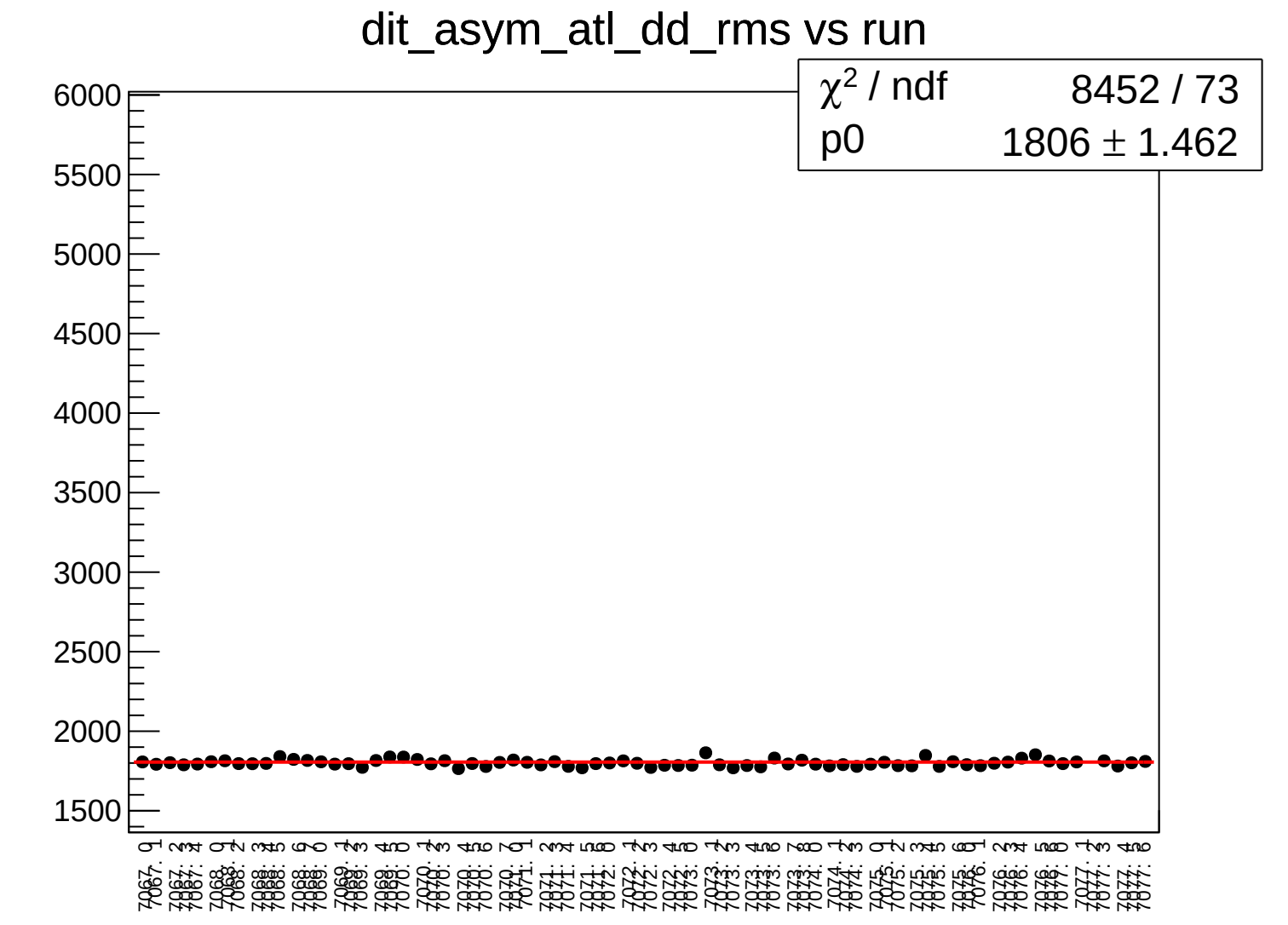

asym_atl_avg_mean vs run
×10^3
χ² / ndf 68.96 / 73
p0 −1.005e+04 ± 7842
200
100
0
−100
−200
pull
Entries 74
Mean 110.7
Std Dev 35.51
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

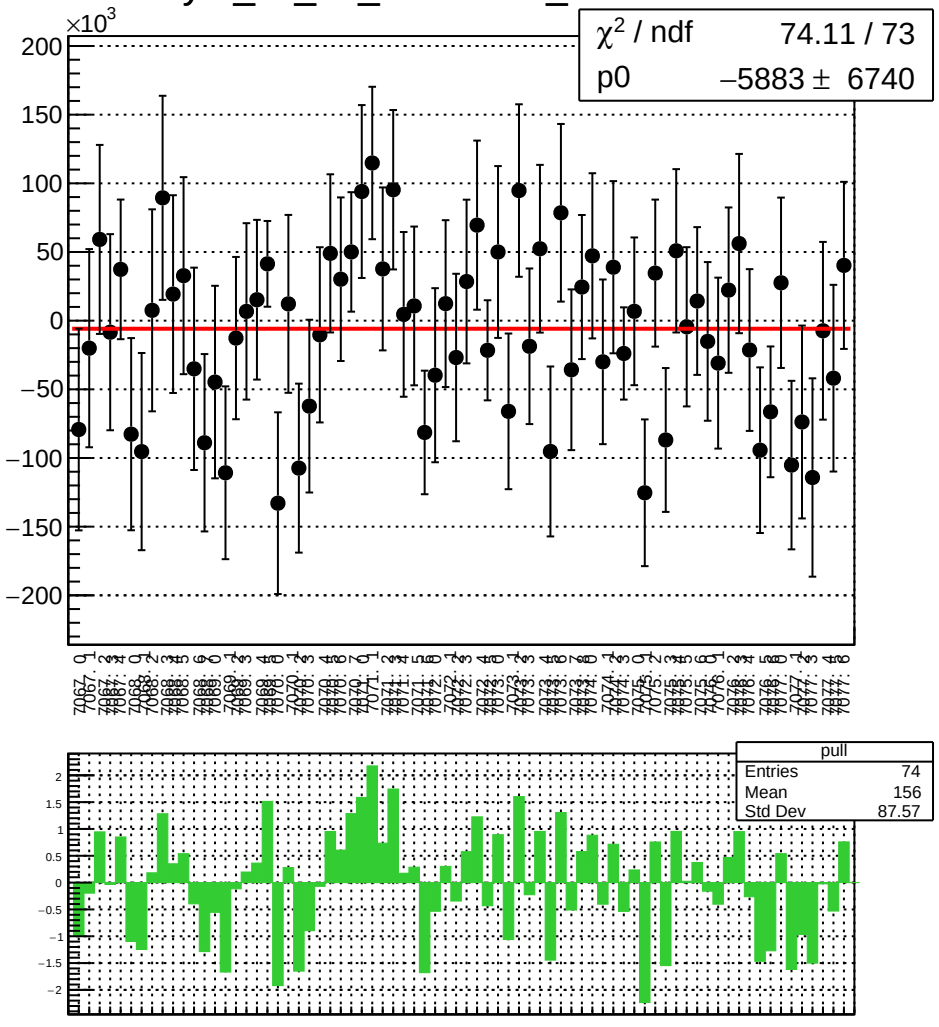

pull1D
Entries 74
Mean −0.02427
Std Dev 0.965
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

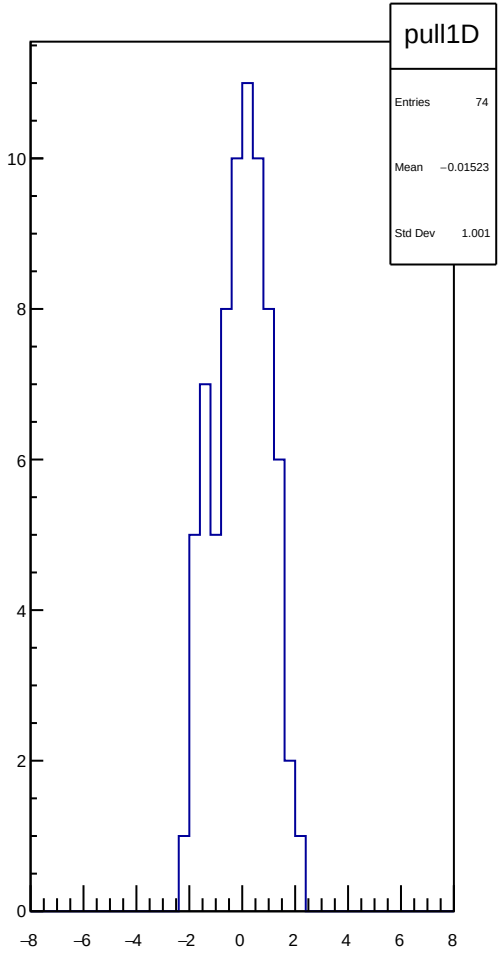

asym_atl_avg_rms vs run
χ^2 / ndf 1.049e+04 / 73
p0 6847 ± 5.545
9500
9000
8500
8000
7500
7000
6500
6000
5500

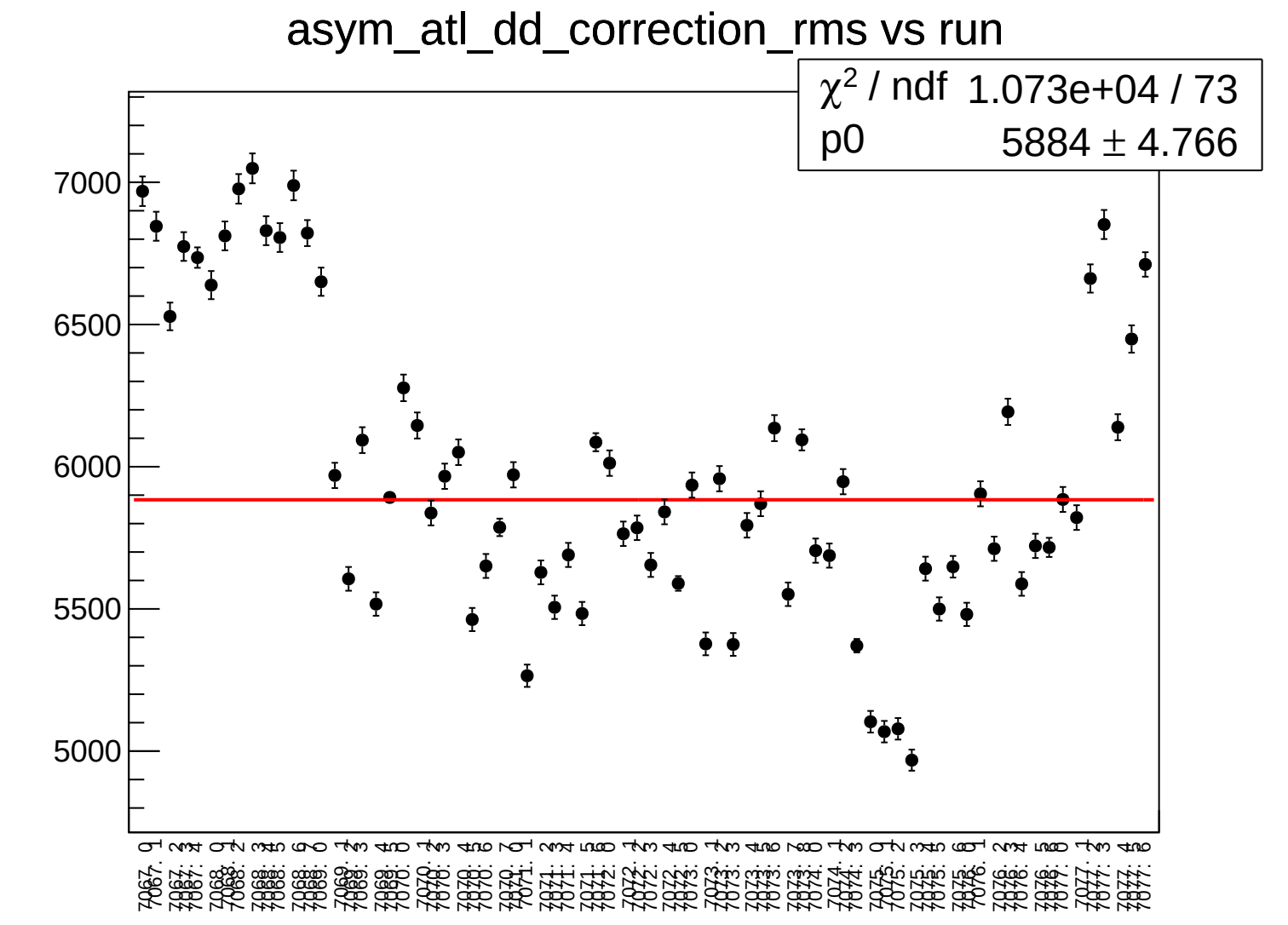

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 69.63 / 73
p0 1694 ± 2067
pull
Entries 74
Mean 3.31
Std Dev 64.05

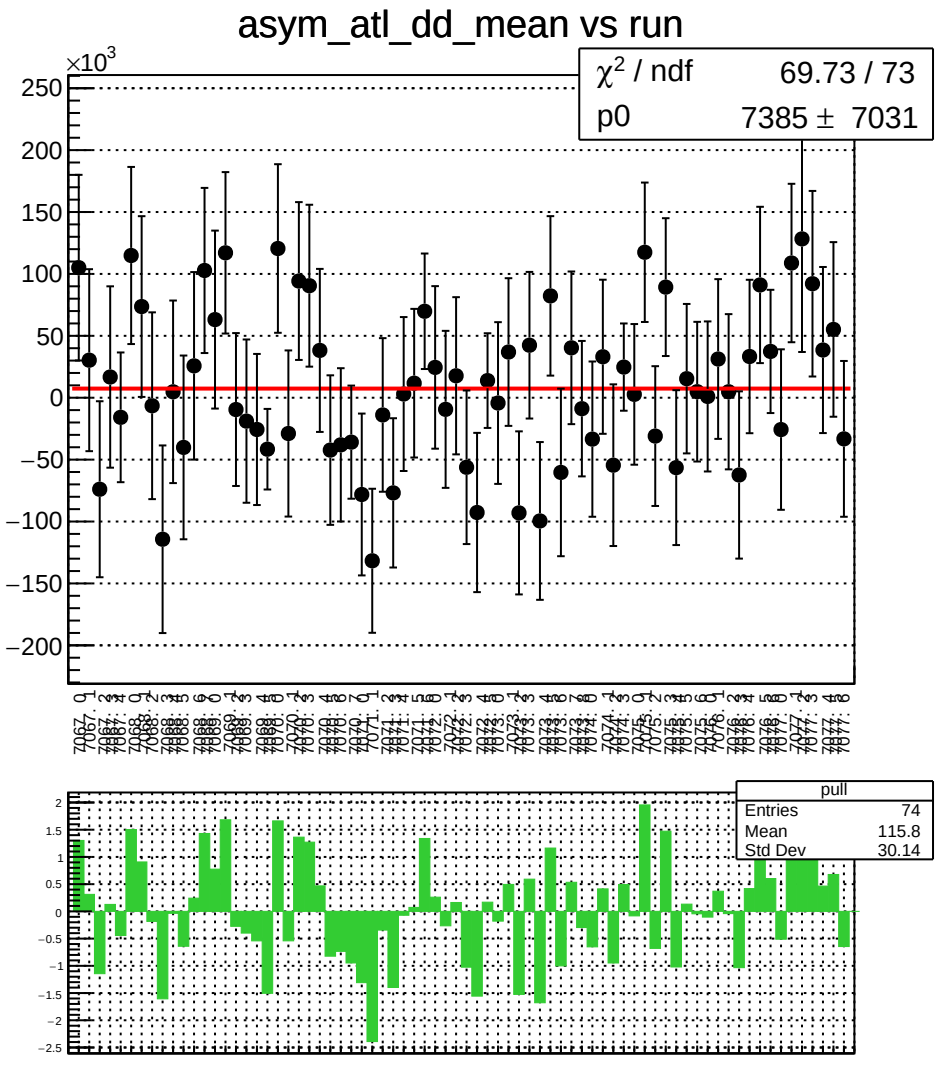

pull1D
Entries 74
Mean 0.01115
Std Dev 0.97

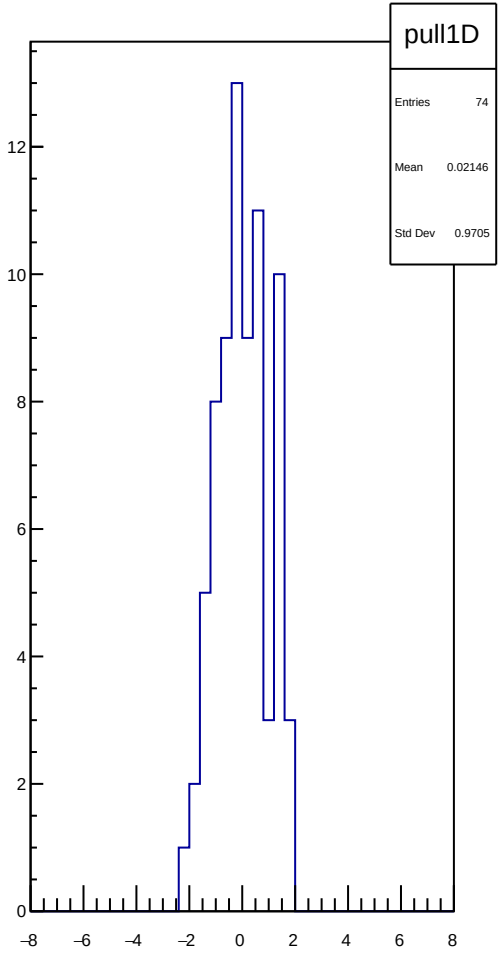

dit_asym_atl_dd_rms vs run
χ² / ndf 8452 / 73
p0 1806 ± 1.462
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

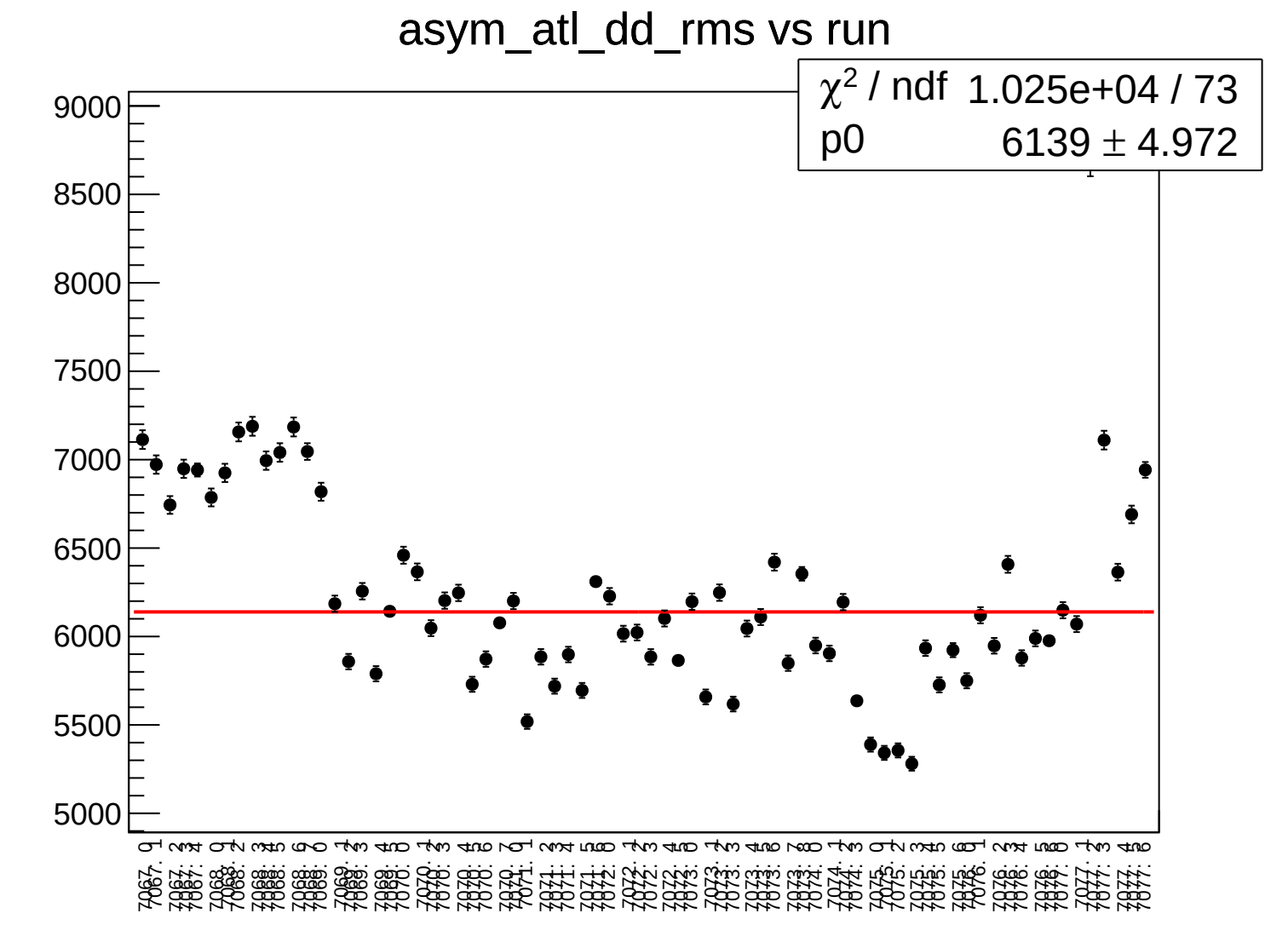

asym_atl_dd_correction_mean vs run
χ² / ndf 74.11 / 73
p0 −5883 ± 6740
pull
Entries 74
Mean 156
Std Dev 87.57

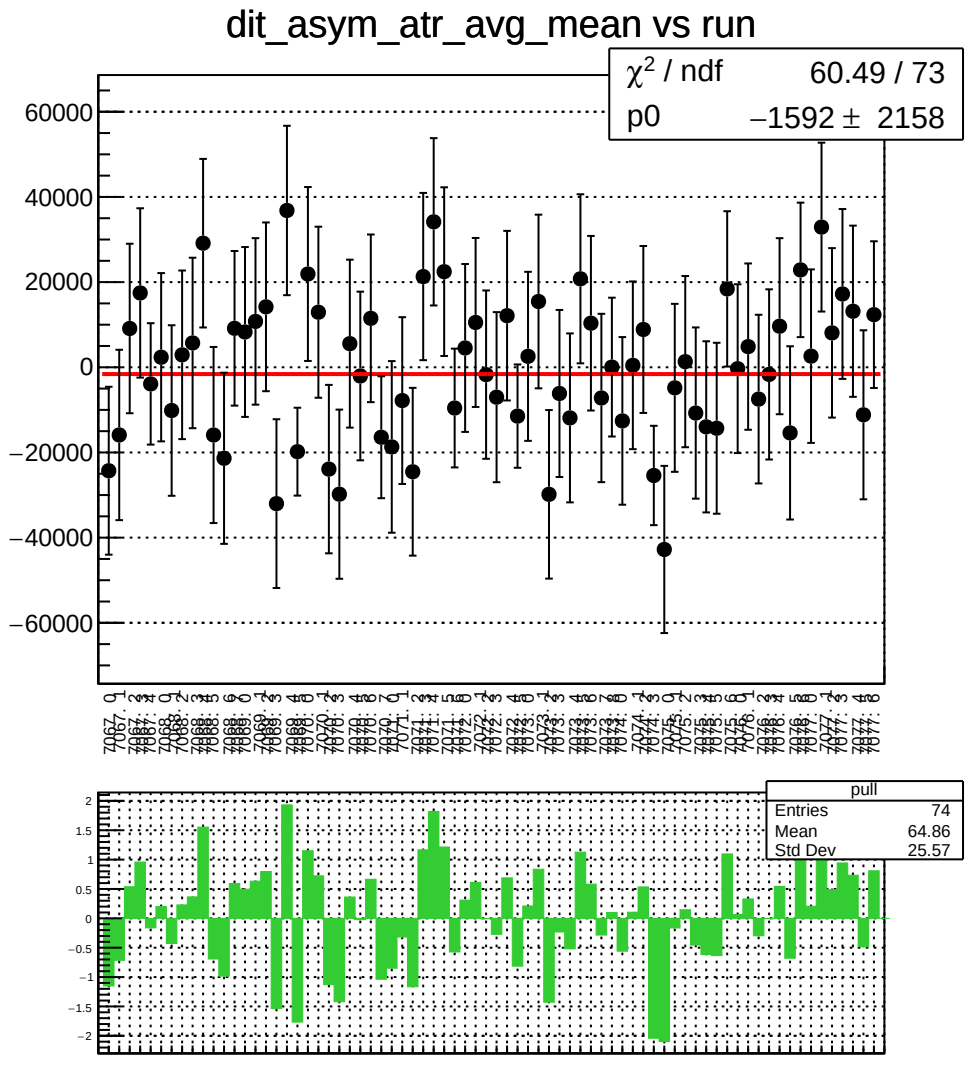

pull1D
Entries 74
Mean −0.01523
Std Dev 1.001

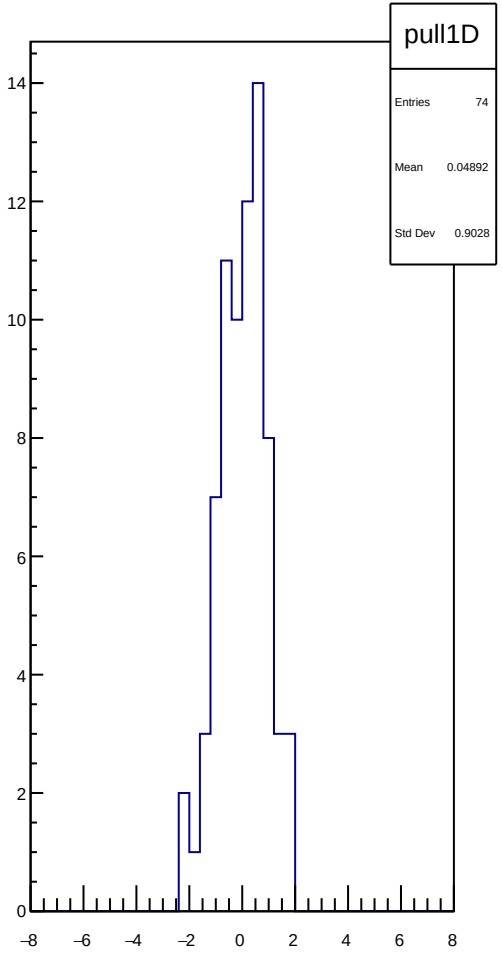

asym_atl_dd_correction_rms vs run
χ² / ndf 1.073e+04 / 73
p0 5884 ± 4.766
7000
6500
6000
5500
5000

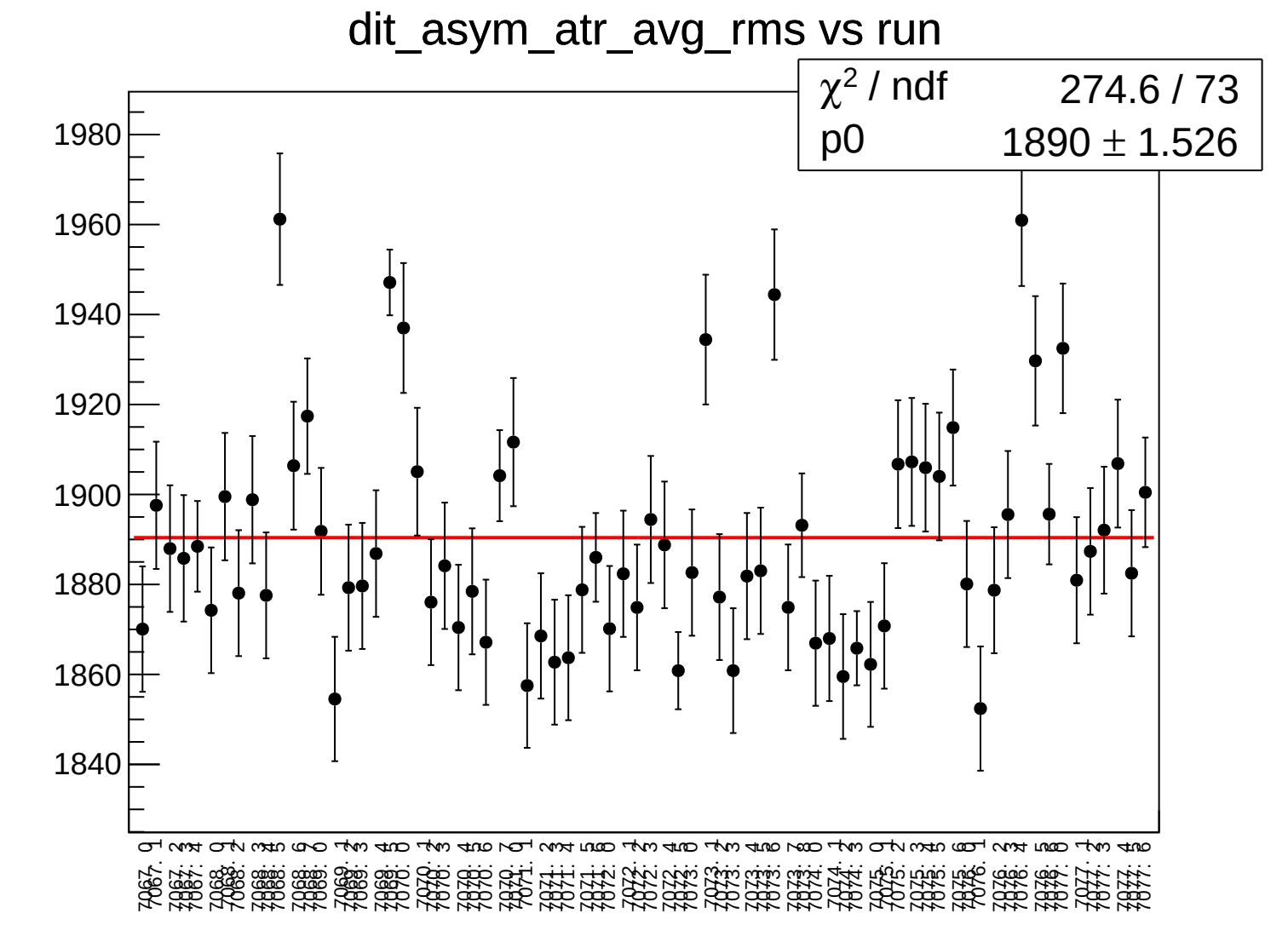

asym_atl_dd_mean vs run
×10^3
χ² / ndf 69.73 / 73
p0 7385 ± 7031
pull
Entries 74
Mean 115.8
Std Dev 30.14

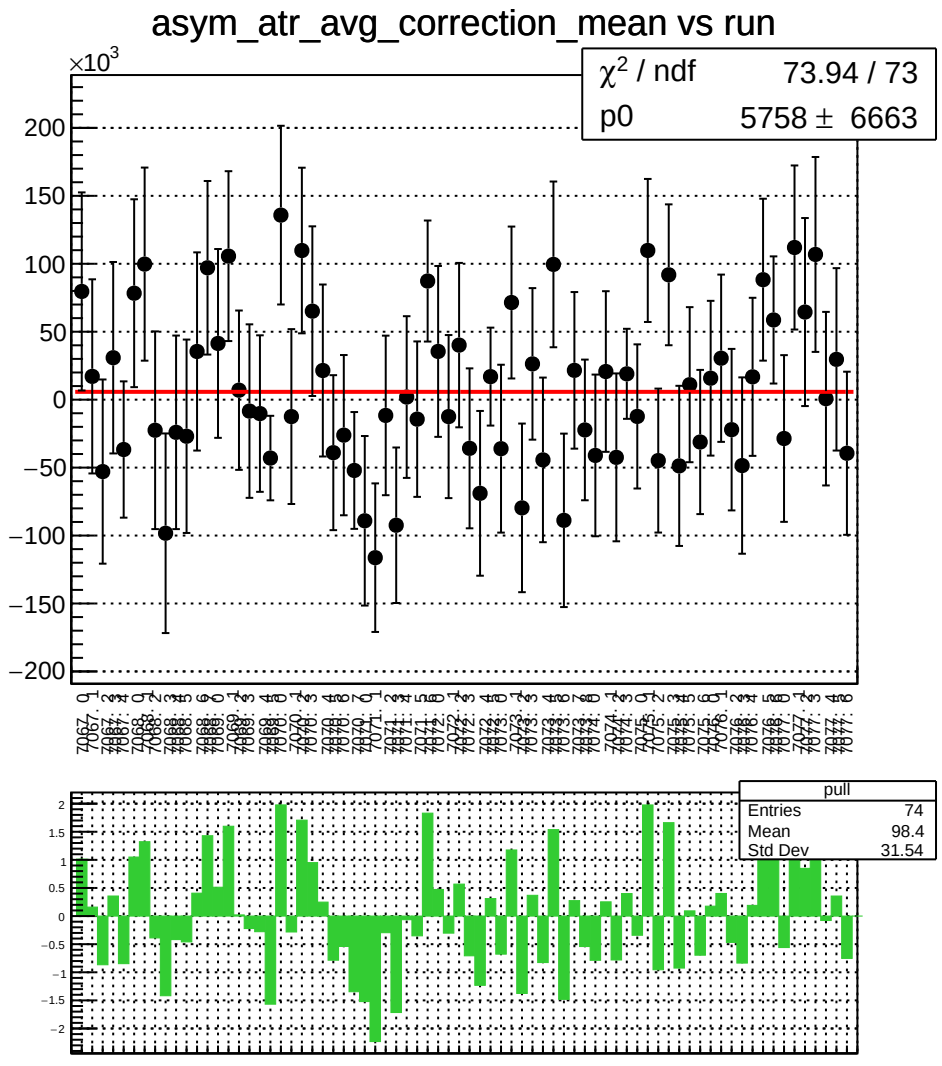

pull1D
Entries 74
Mean 0.02146
Std Dev 0.9705

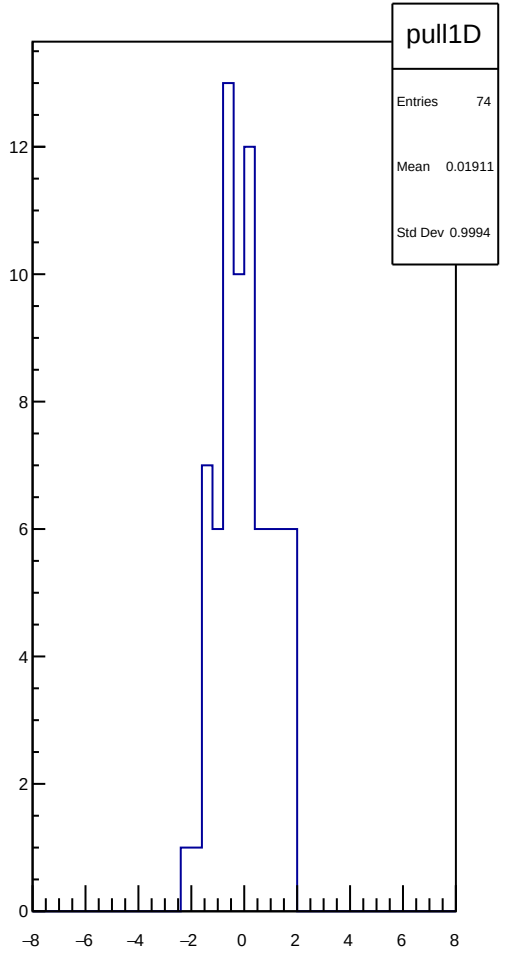

asym_atl_dd_rms vs run
χ^2 / ndf 1.025e+04 / 73
p0 6139 ± 4.972
9000
8500
8000
7500
7000
6500
6000
5500
5000

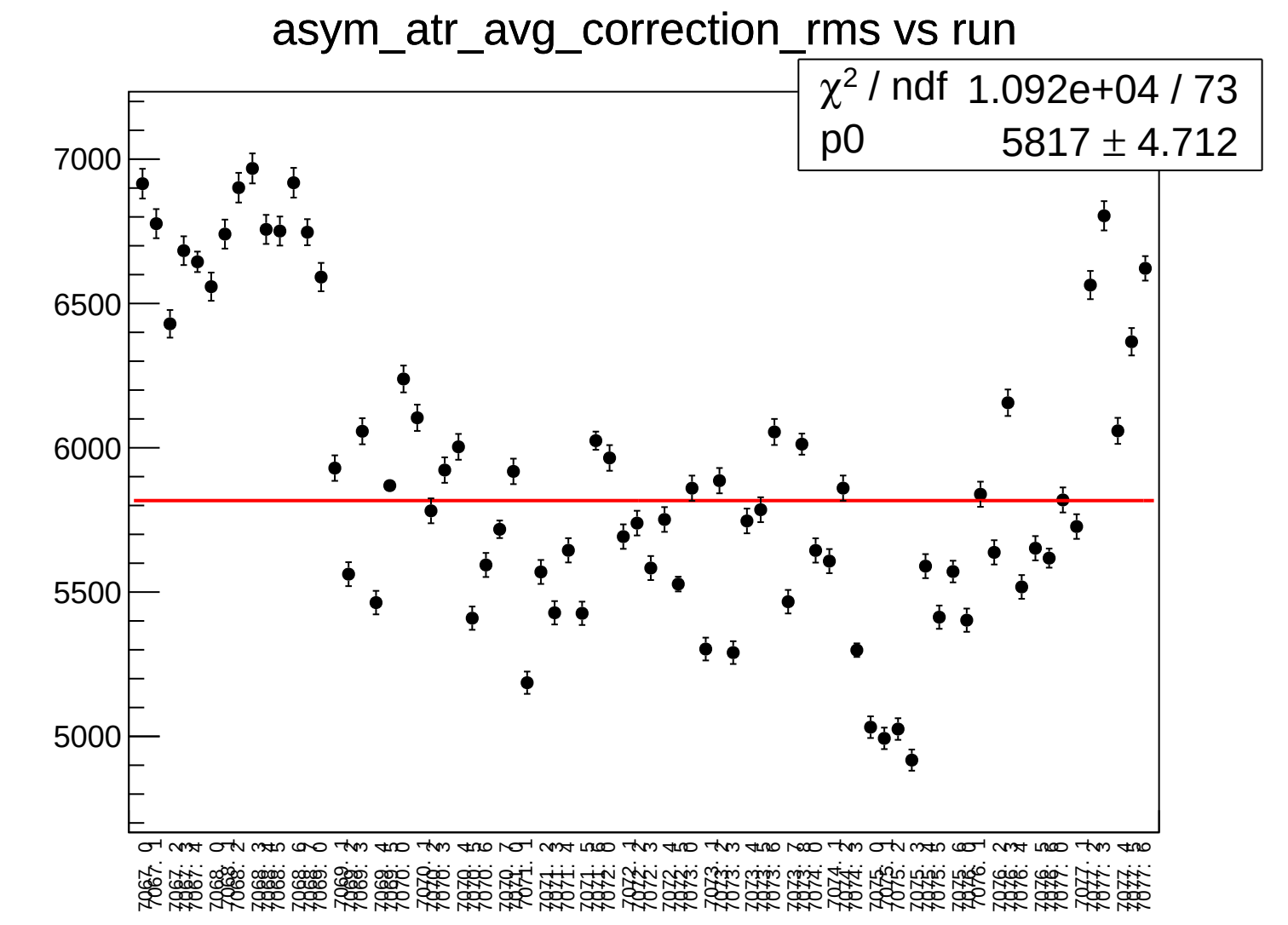

dit_asym_atr_avg_mean vs run
χ² / ndf 60.49 / 73
p0 −1592 ± 2158
pull
Entries 74
Mean 64.86
Std Dev 25.57

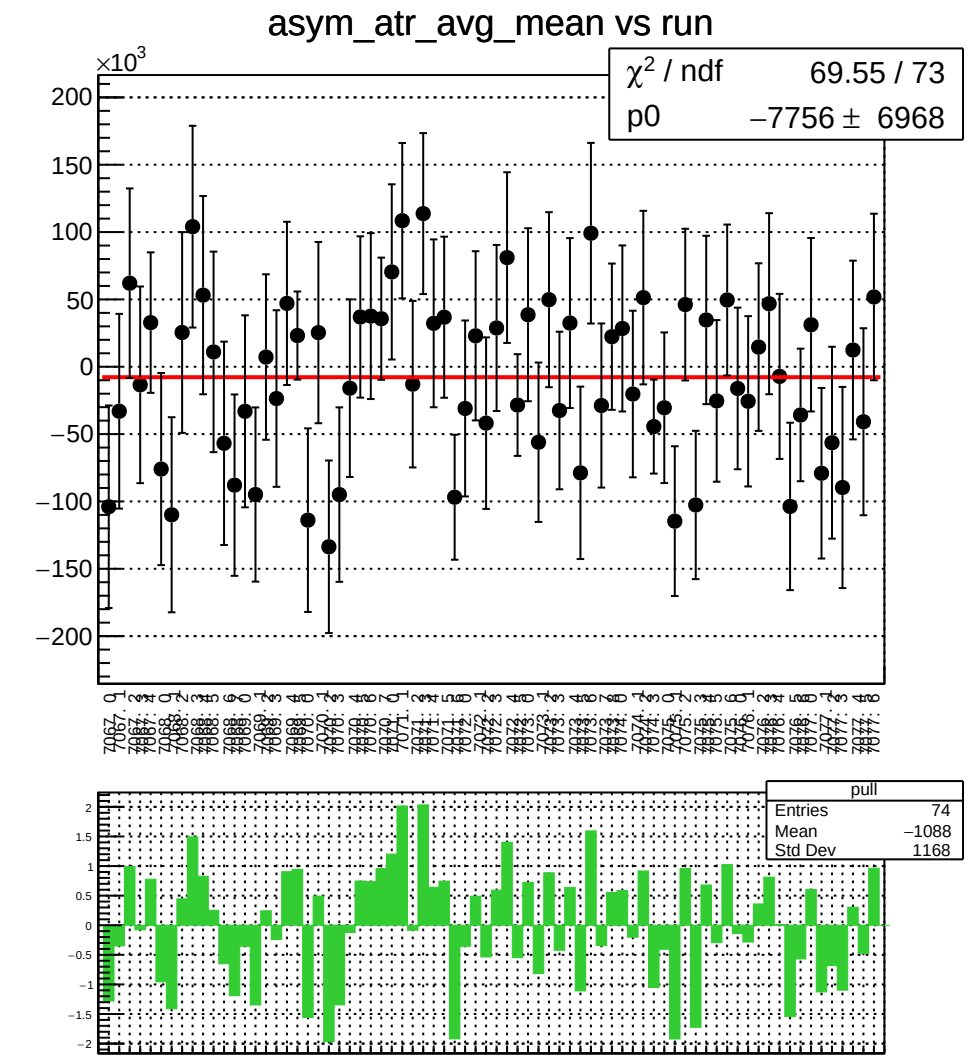

pull1D
Entries 74
Mean 0.04892
Std Dev 0.9028

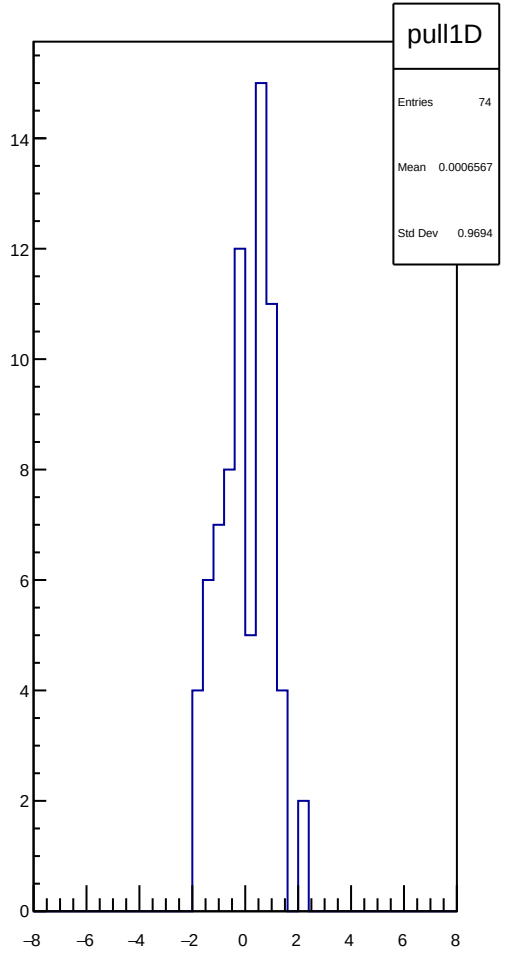

dit_asym_atr_avg_rms vs run
χ² / ndf 274.6 / 73
p0 1890 ± 1.526
1980
1960
1940
1920
1900
1880
1860
1840

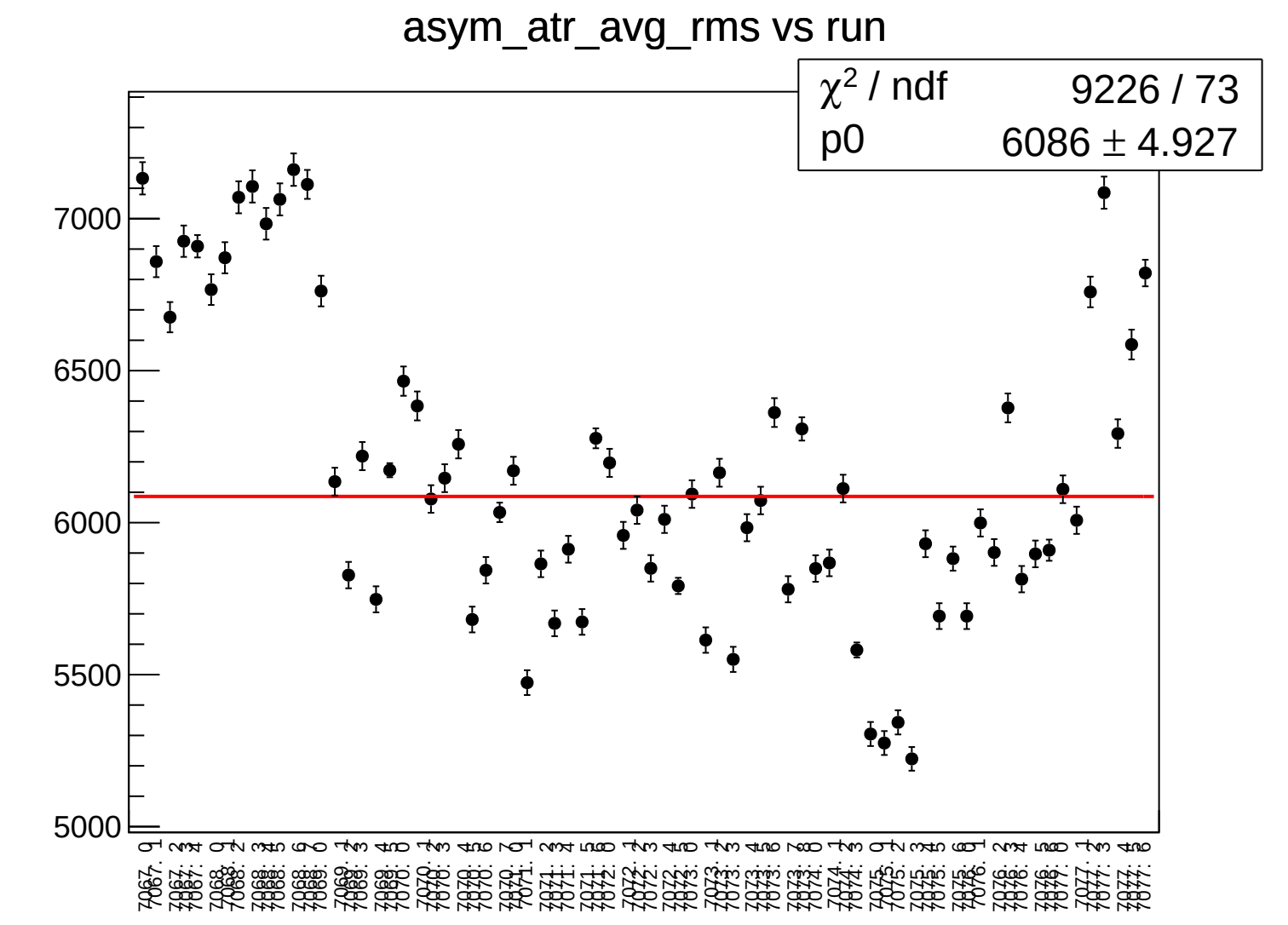

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 73.94 / 73
p0 5758 ± 6663
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 74
Mean 98.4
Std Dev 31.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

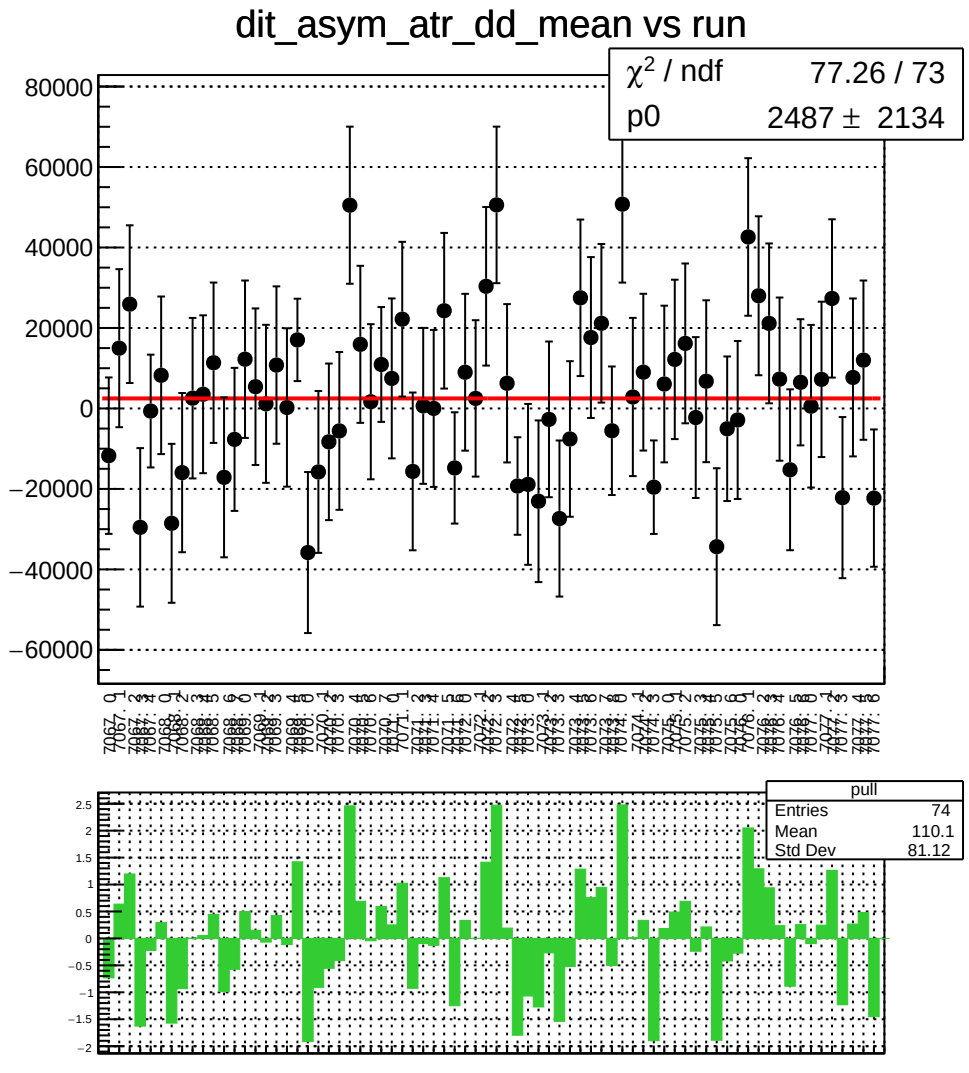

pull1D
Entries 74
Mean 0.01911
Std Dev 0.9994
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

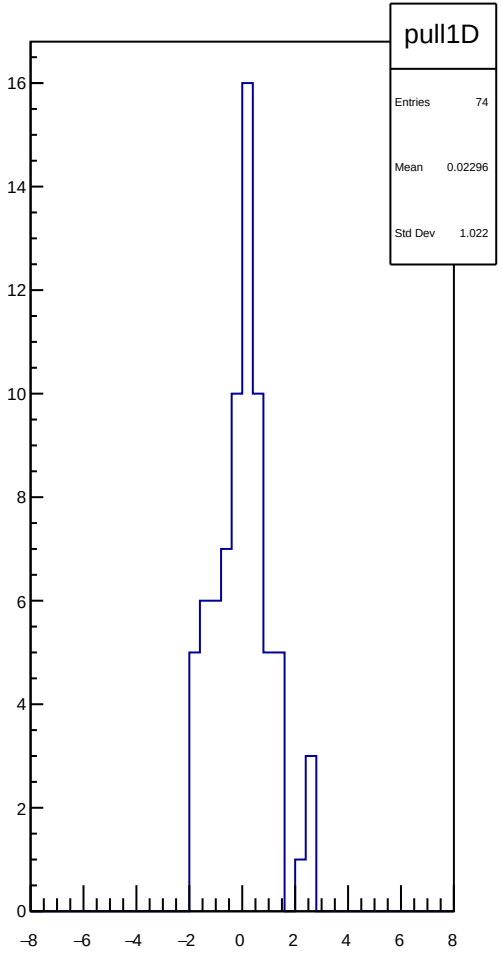

asym_atr_avg_correction_rms vs run
χ² / ndf 1.092e+04 / 73
p0 5817 ± 4.712
7000
6500
6000
5500
5000

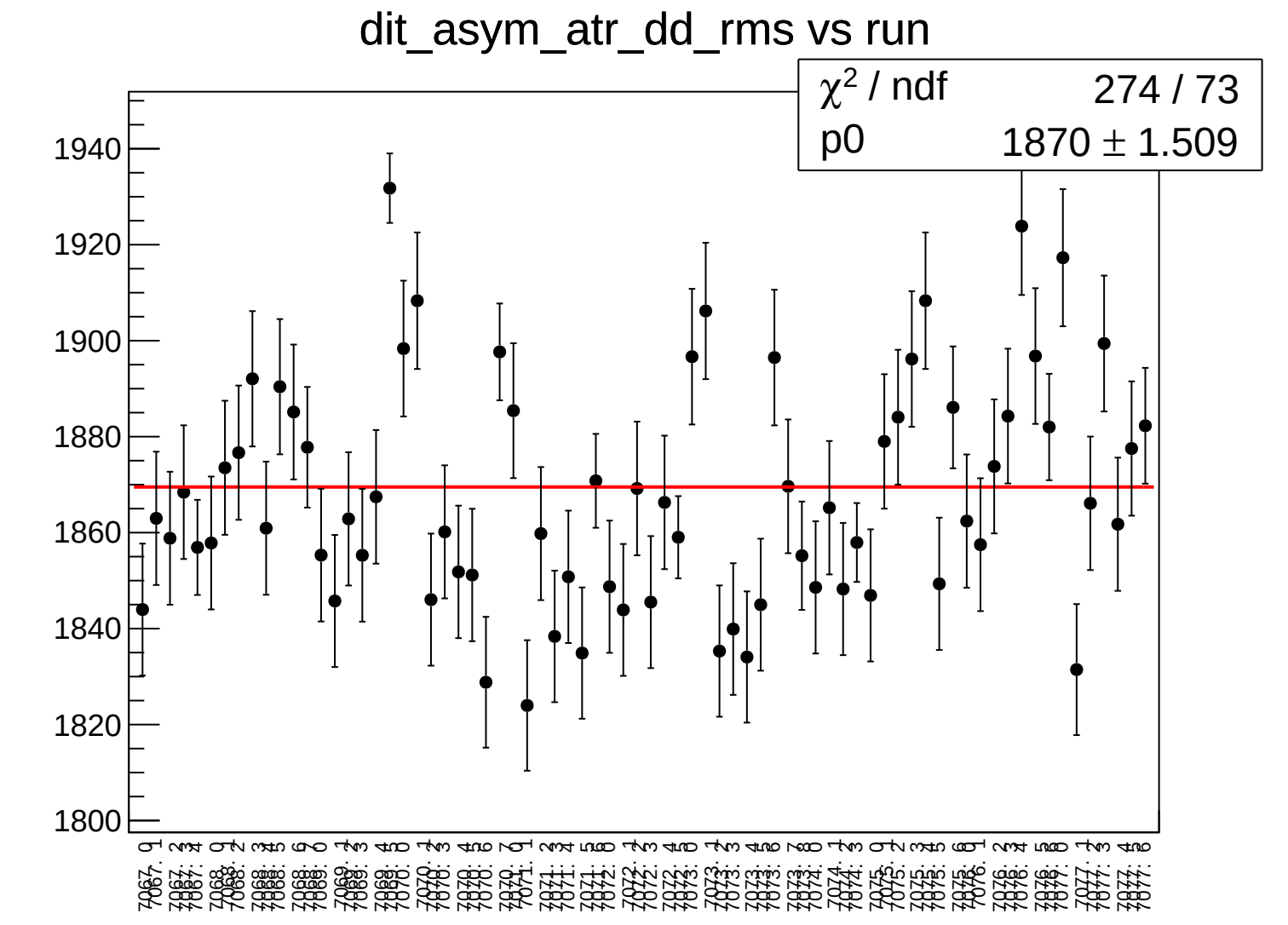

asym_atr_avg_mean vs run
×10^3
χ² / ndf 69.55 / 73
p0 −7756 ± 6968
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 74
Mean −1088
Std Dev 1168
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

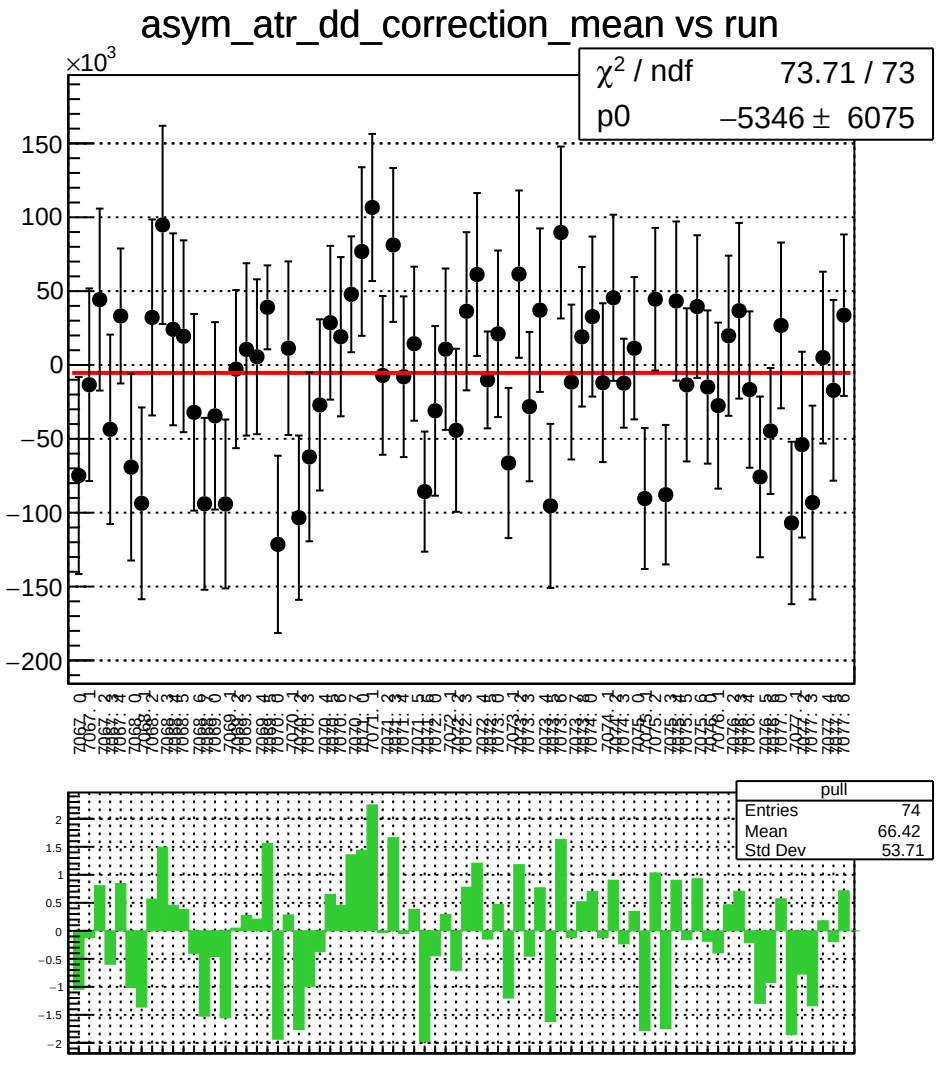

pull1D
Entries 74
Mean 0.0006567
Std Dev 0.9694
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

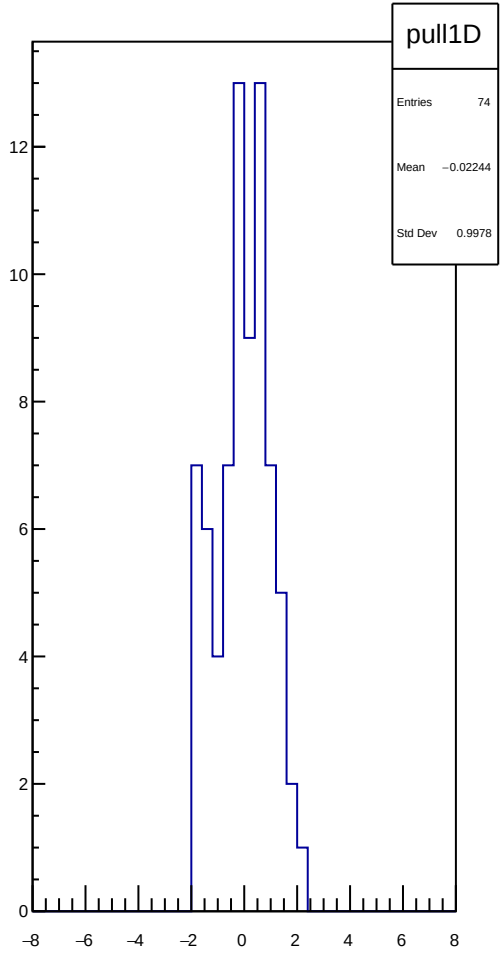

asym_atr_avg_rms vs run
χ^2 / ndf 9226 / 73
p0 6086 ± 4.927
7000
6500
6000
5500
5000

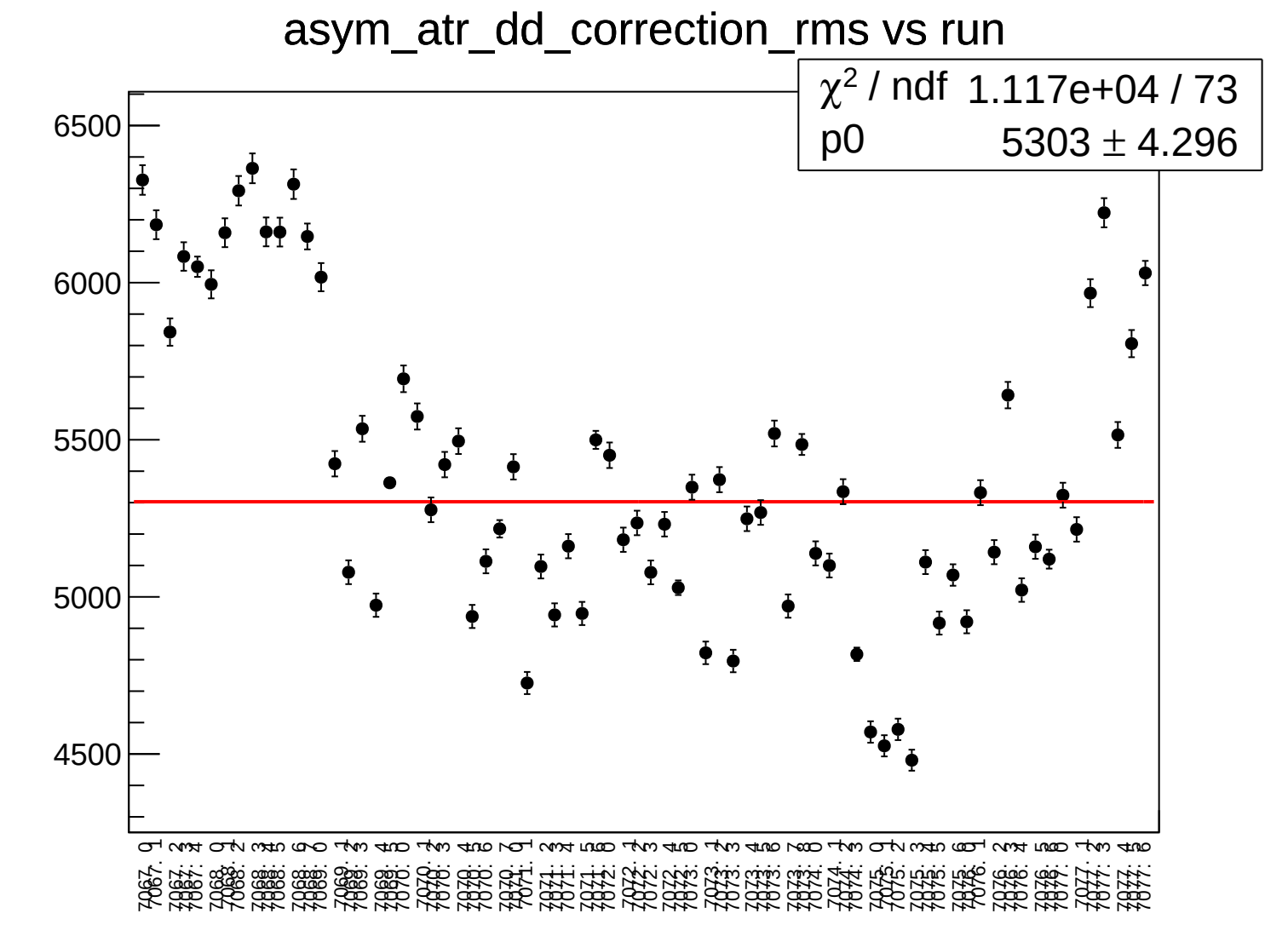

dit_asym_atr_dd_mean vs run
χ² / ndf 77.26 / 73
p0 2487 ± 2134
pull
Entries 74
Mean 110.1
Std Dev 81.12

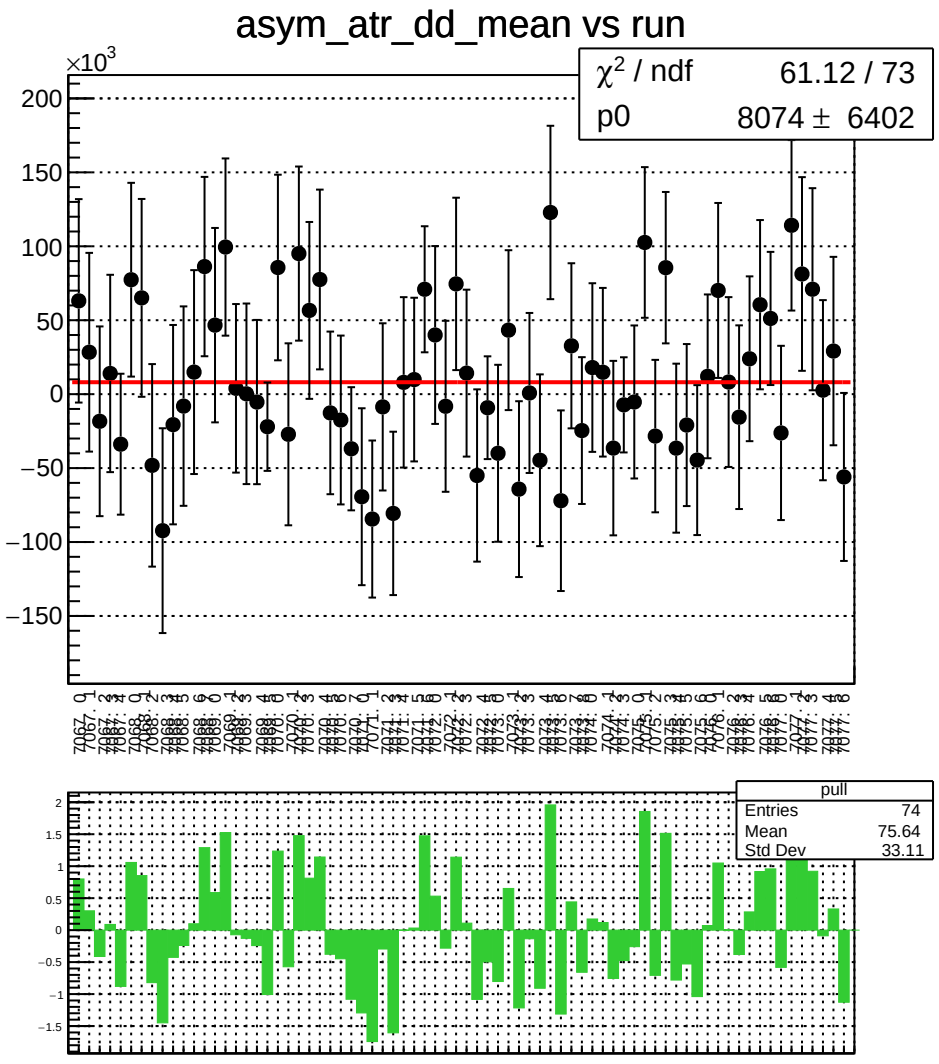

pull1D
Entries 74
Mean 0.02296
Std Dev 1.022

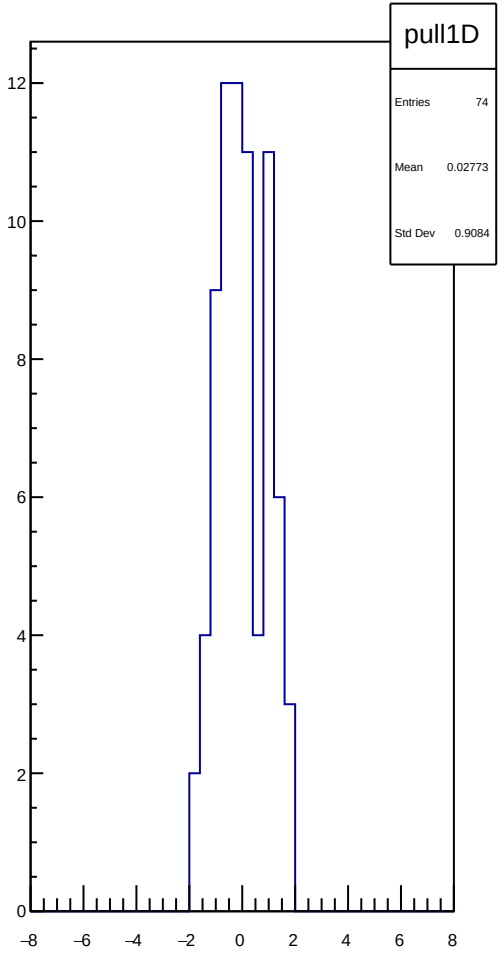

dit_asym_atr_dd_rms vs run
χ^2 / ndf 274 / 73
p0 1870 ± 1.509
1940
1920
1900
1880
1860
1840
1820
1800

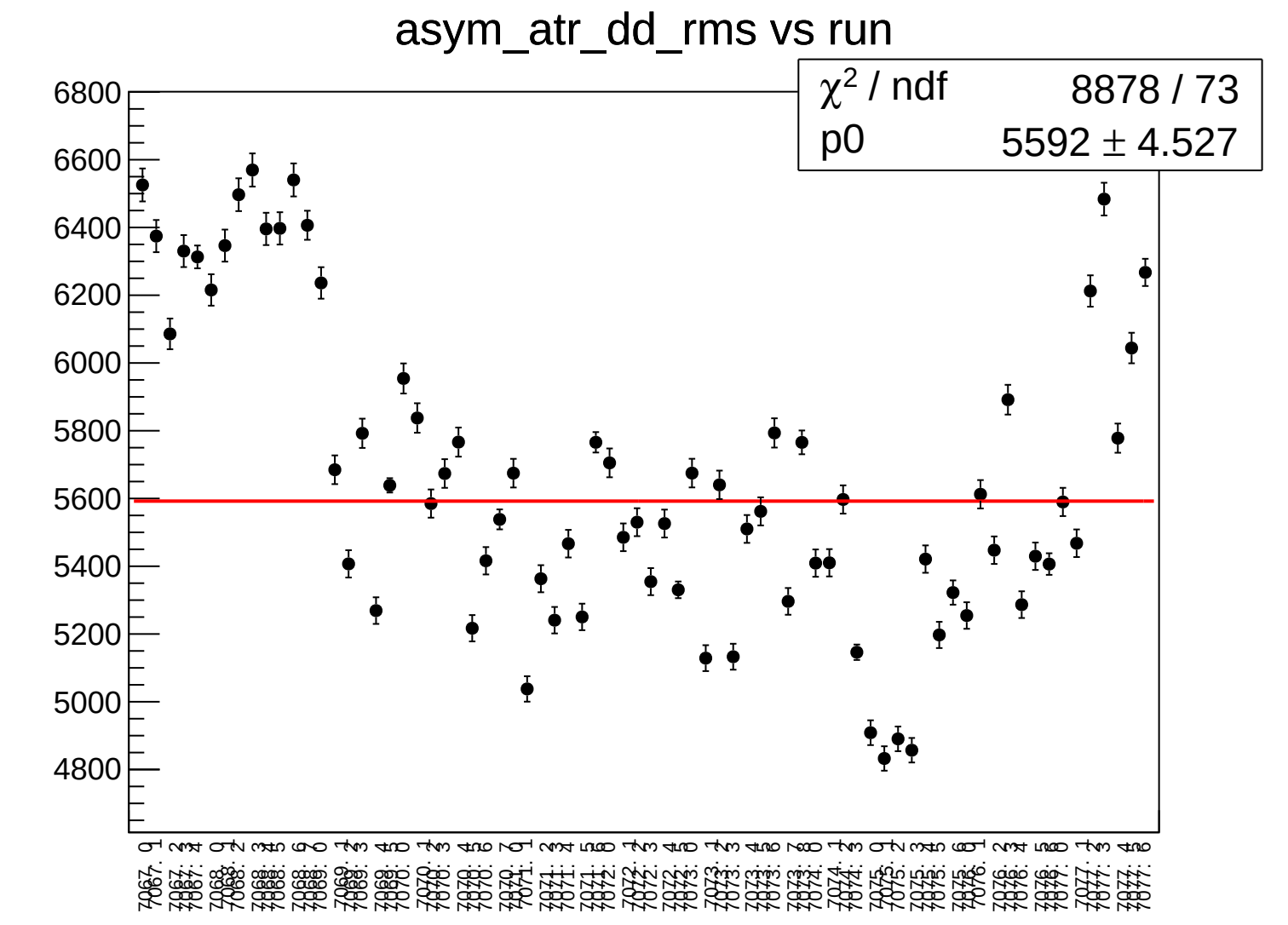

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 73.71 / 73
p0 −5346 ± 6075
150
100
50
0
−50
−100
−150
−200
pull
Entries 74
Mean 66.42
Std Dev 53.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

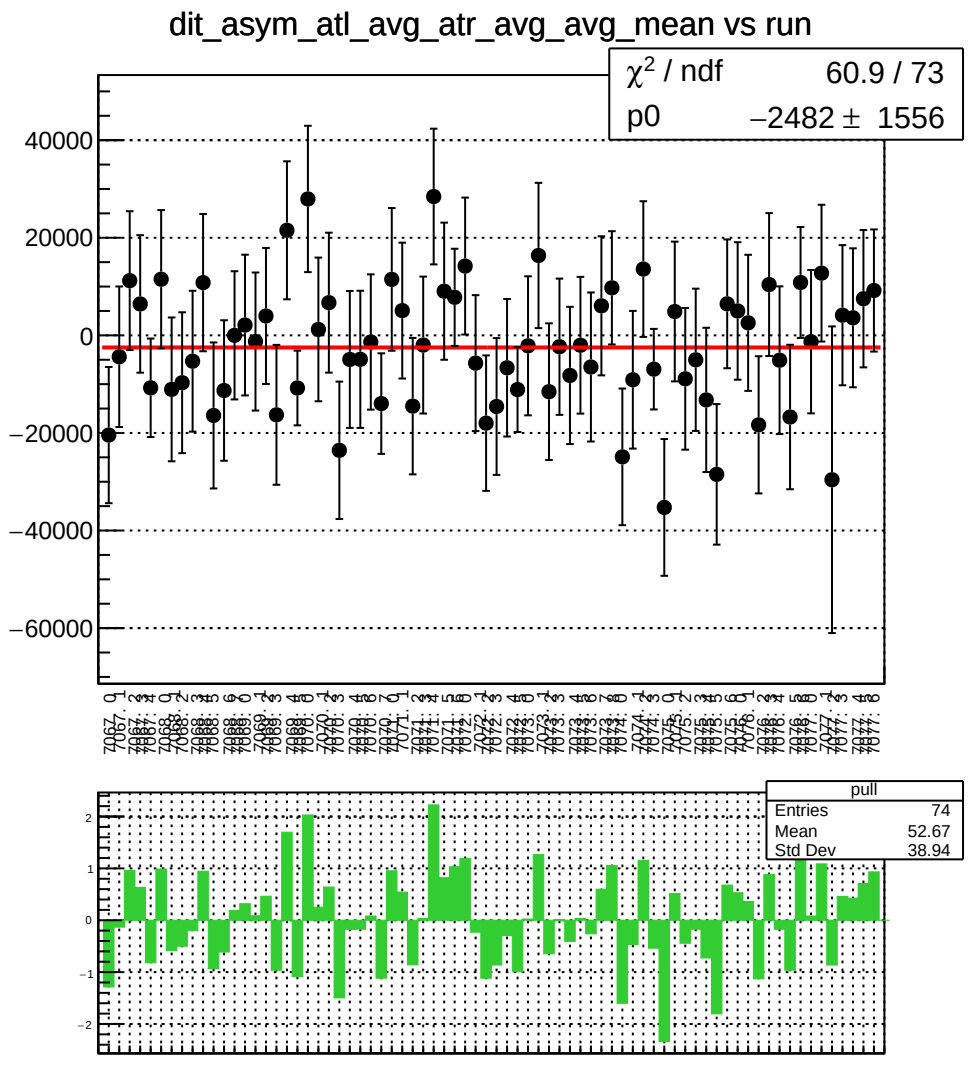

pull1D
Entries 74
Mean −0.02244
Std Dev 0.9978
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

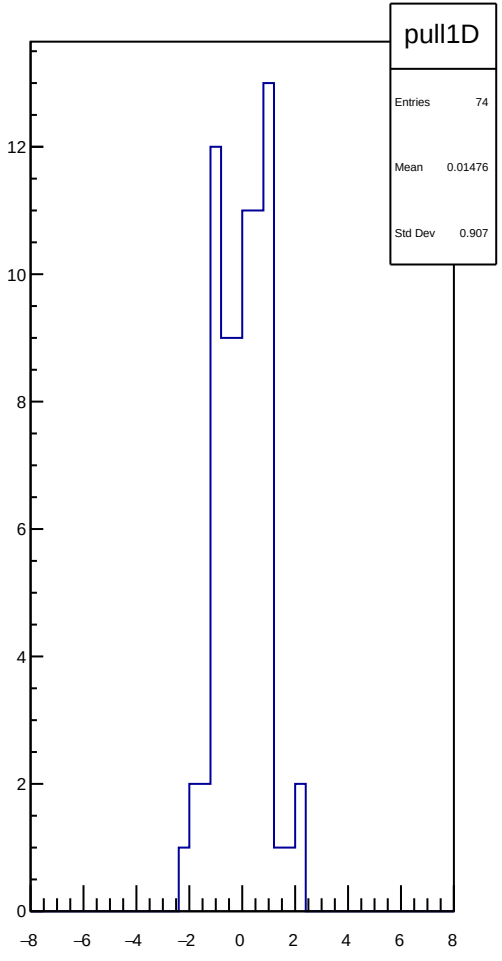

asym_atr_dd_correction_rms vs run
χ² / ndf 1.117e+04 / 73
p0 5303 ± 4.296
6500
6000
5500
5000
4500

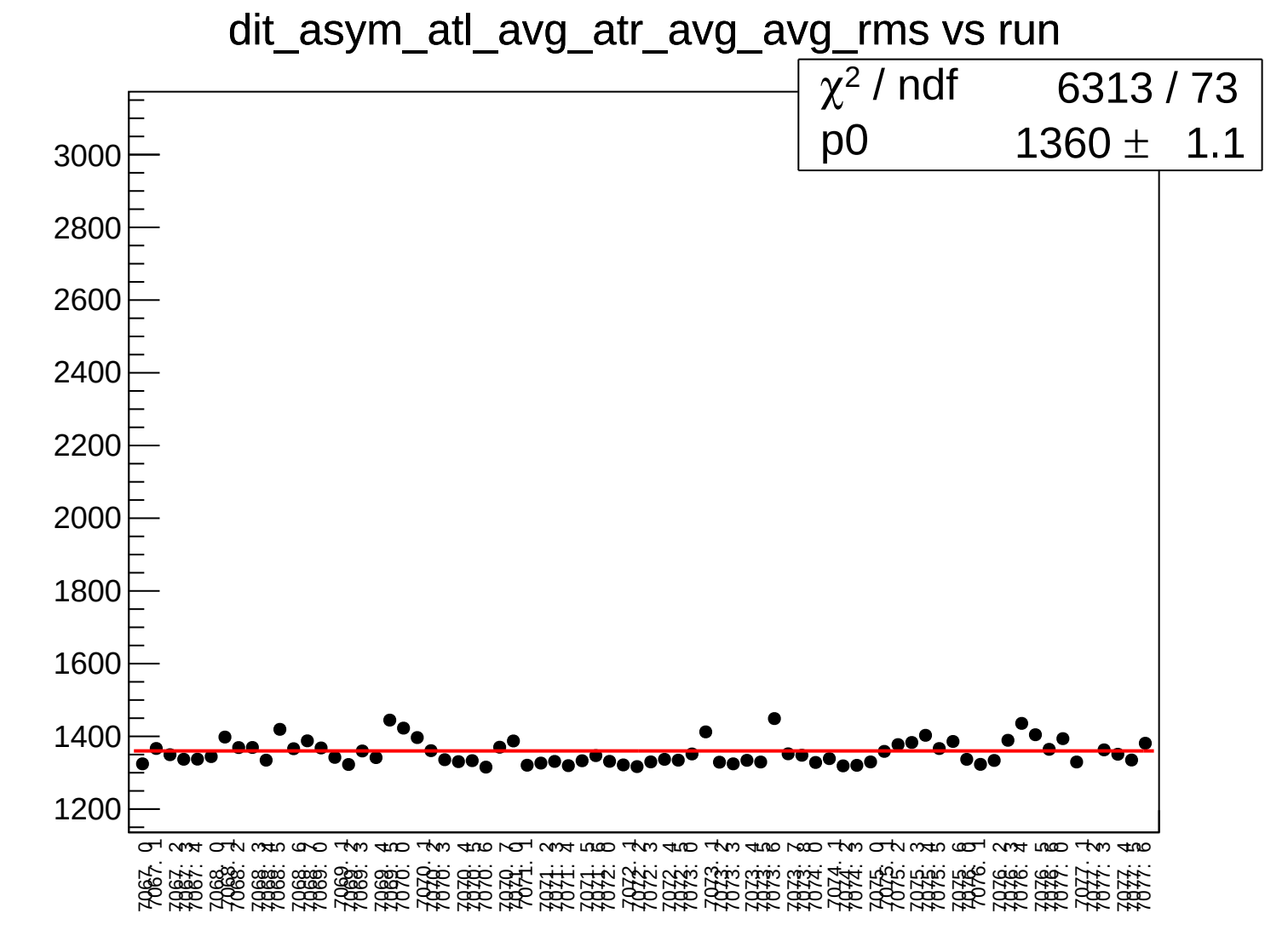

asym_atr_dd_mean vs run
×10^3
χ² / ndf 61.12 / 73
p0 8074 ± 6402
pull
Entries 74
Mean 75.64
Std Dev 33.11

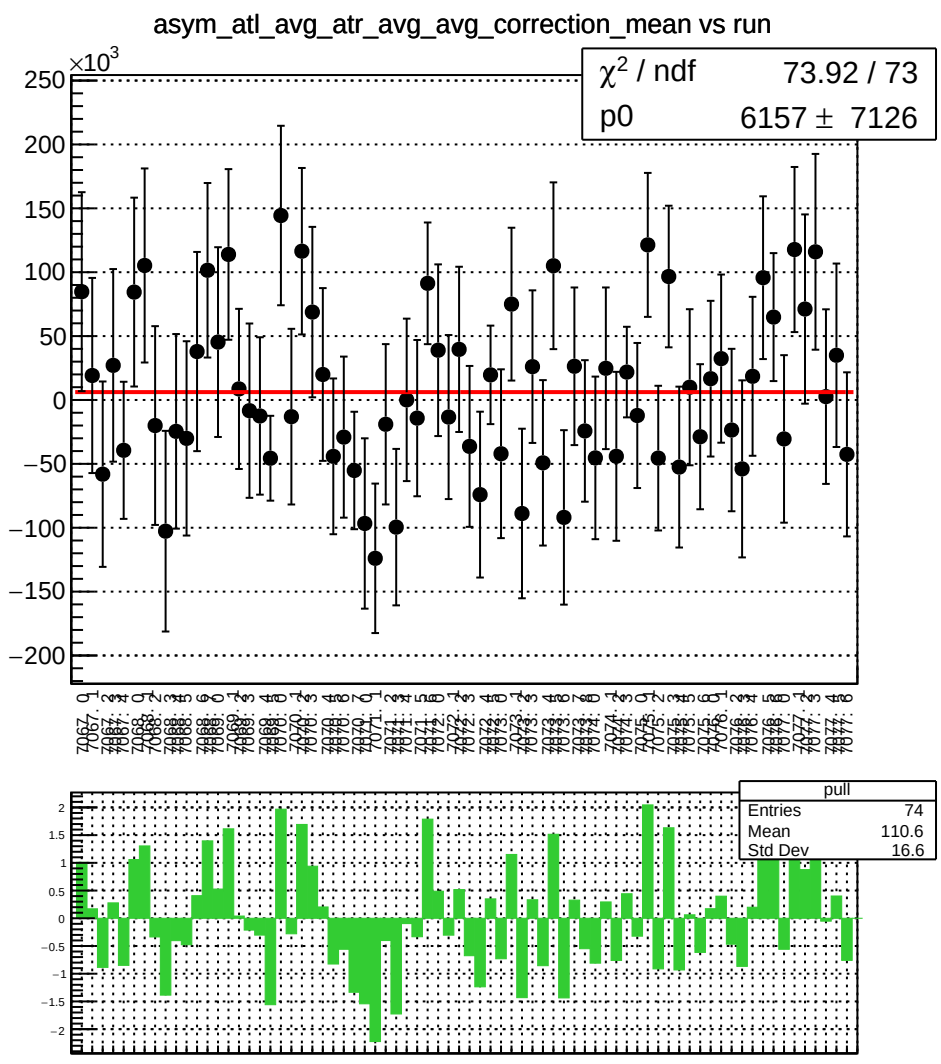

pull1D
Entries 74
Mean 0.02773
Std Dev 0.9084

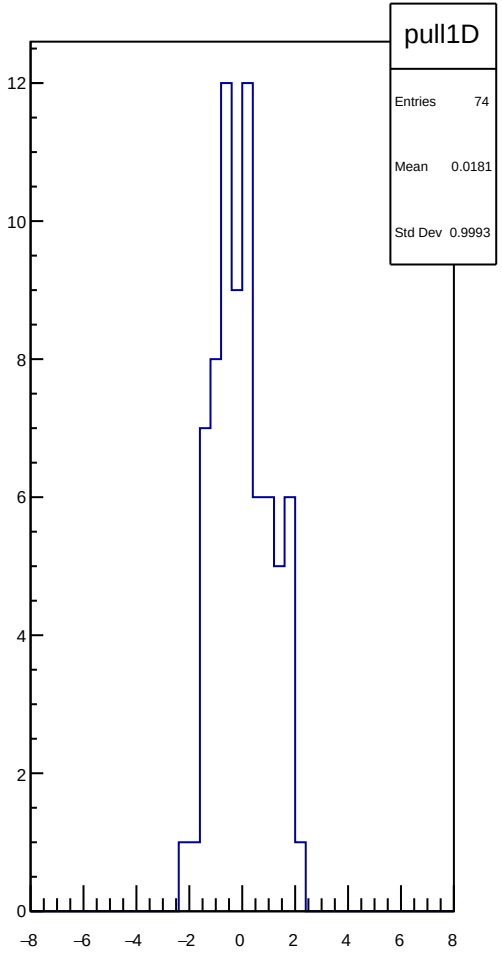

asym_atr_dd_rms vs run
χ^2 / ndf 8878 / 73
p0 5592 ± 4.527
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

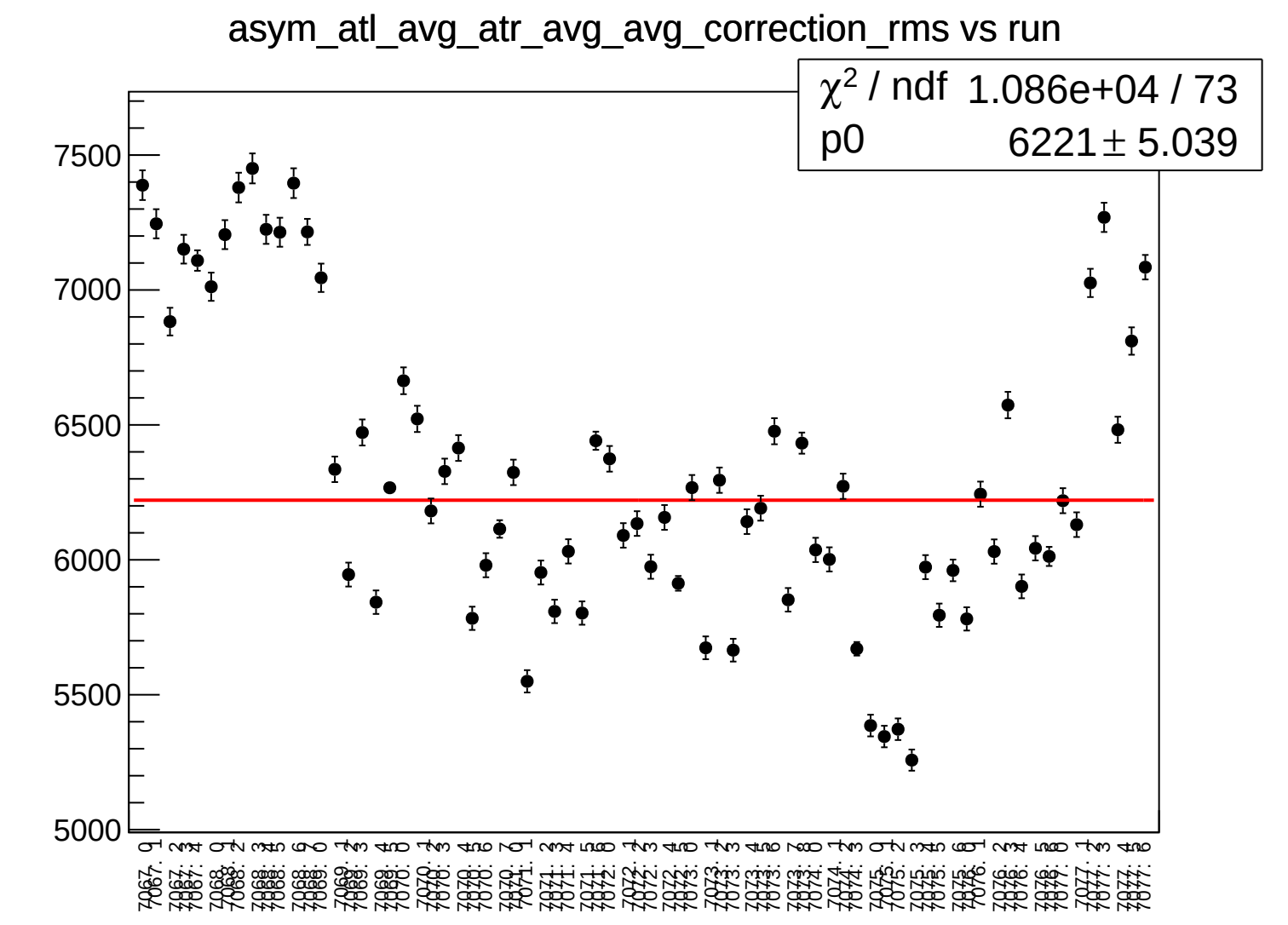

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 60.9 / 73
p0 −2482 ± 1556
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 52.67
Std Dev 38.94
2
1
0
−1
−2

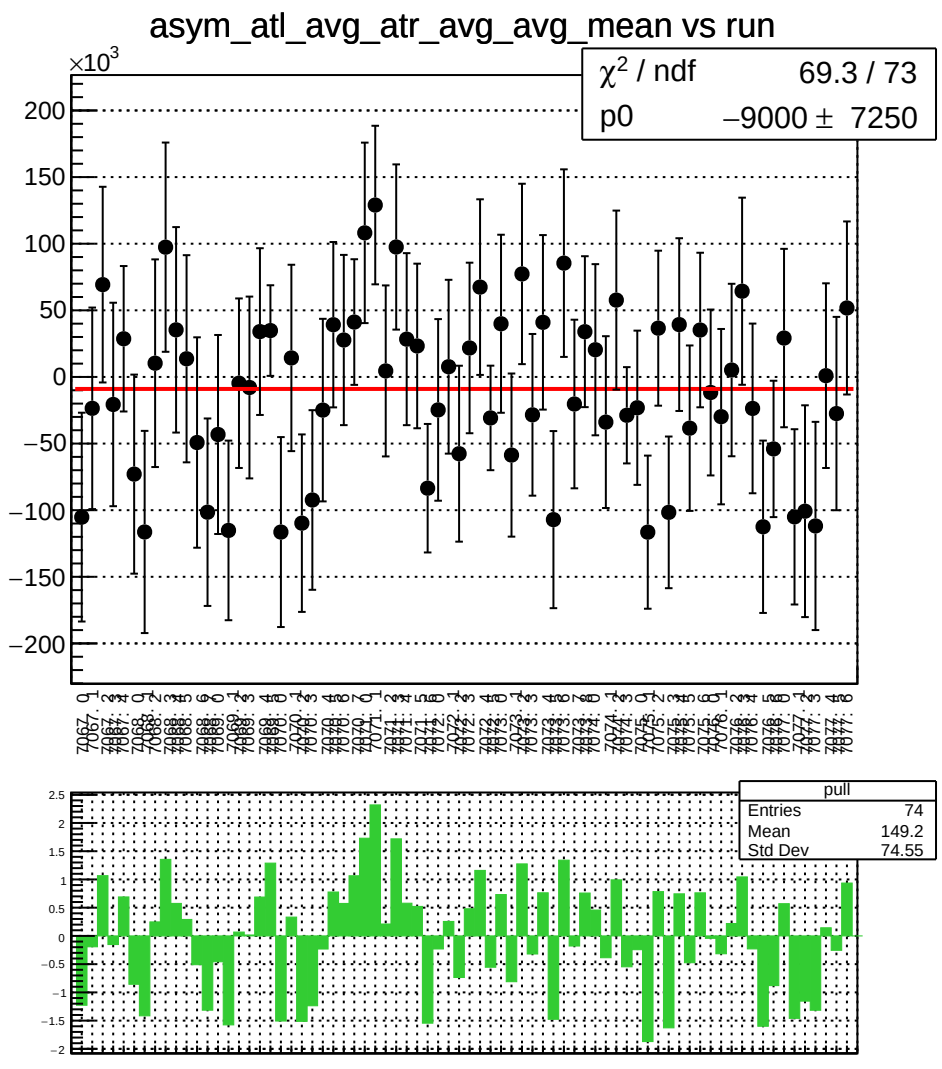

pull1D
Entries 74
Mean 0.01476
Std Dev 0.907
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

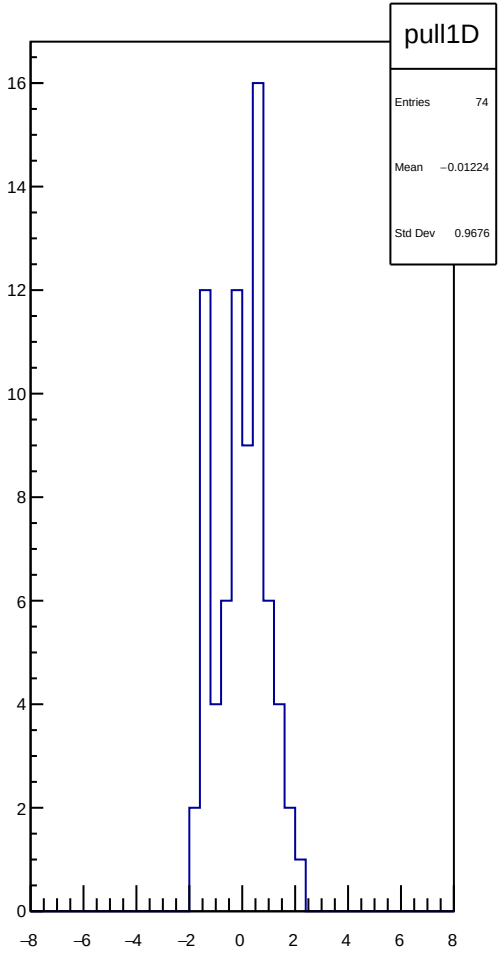

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6313 / 73
p0 1360 ± 1.1
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

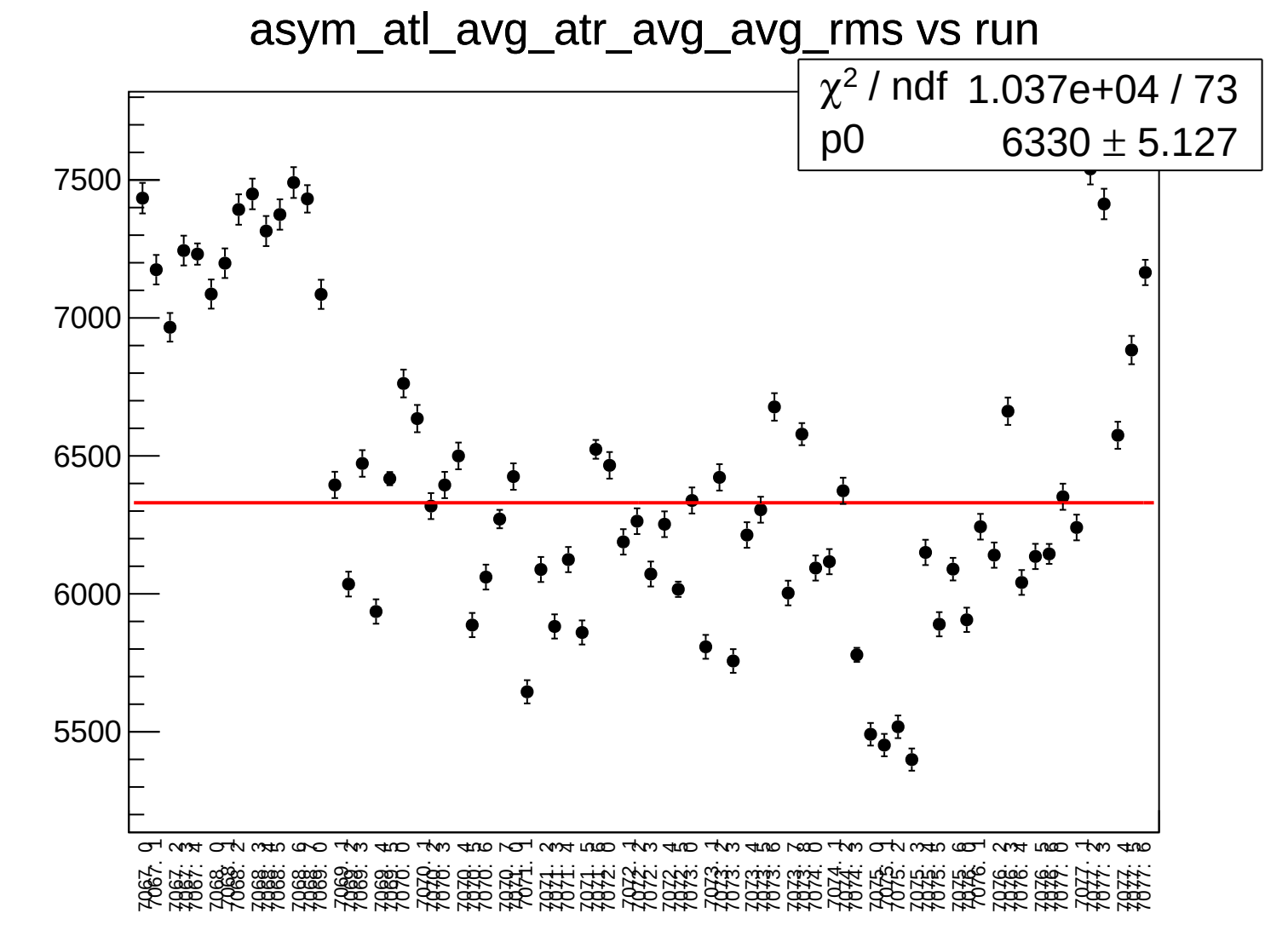

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 73.92 / 73
p0 6157 ± 7126
pull
Entries 74
Mean 110.6
Std Dev 16.6

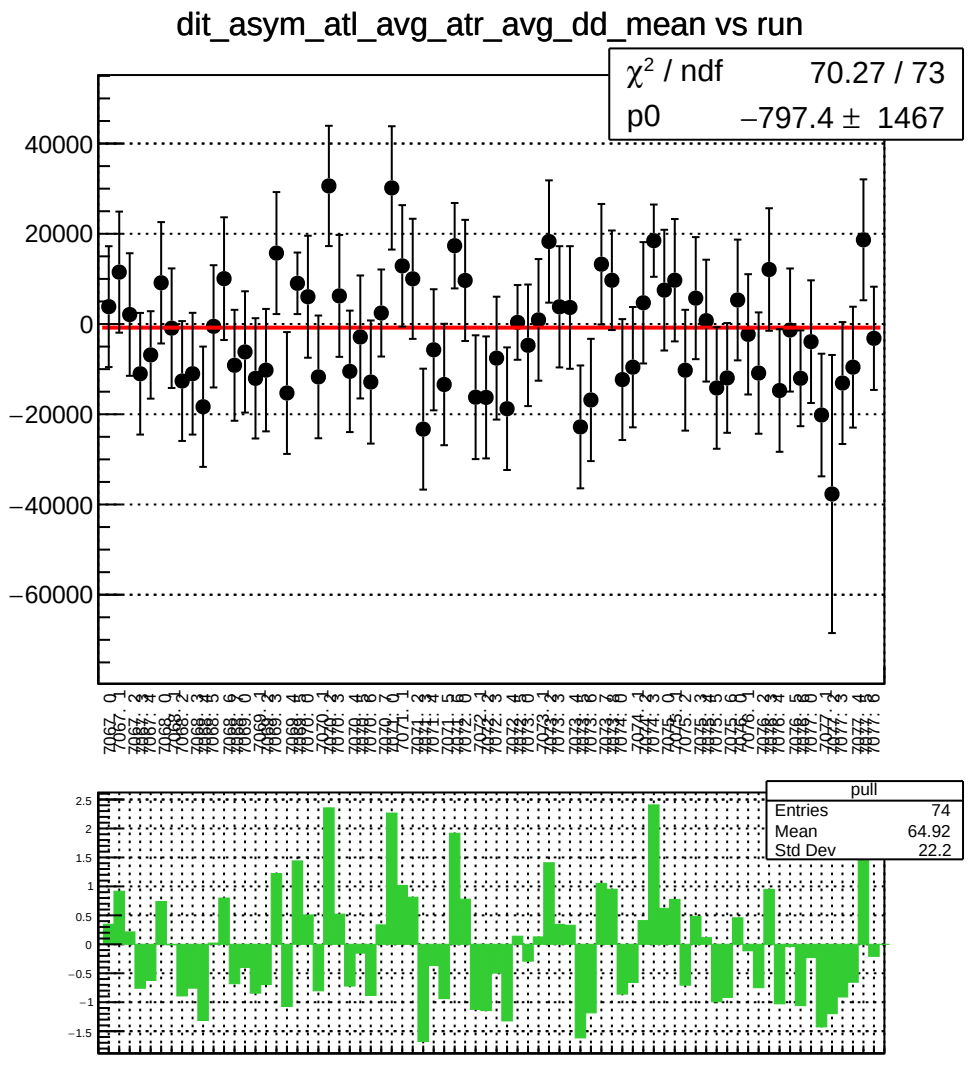

pull1D
Entries 74
Mean 0.0181
Std Dev 0.9993

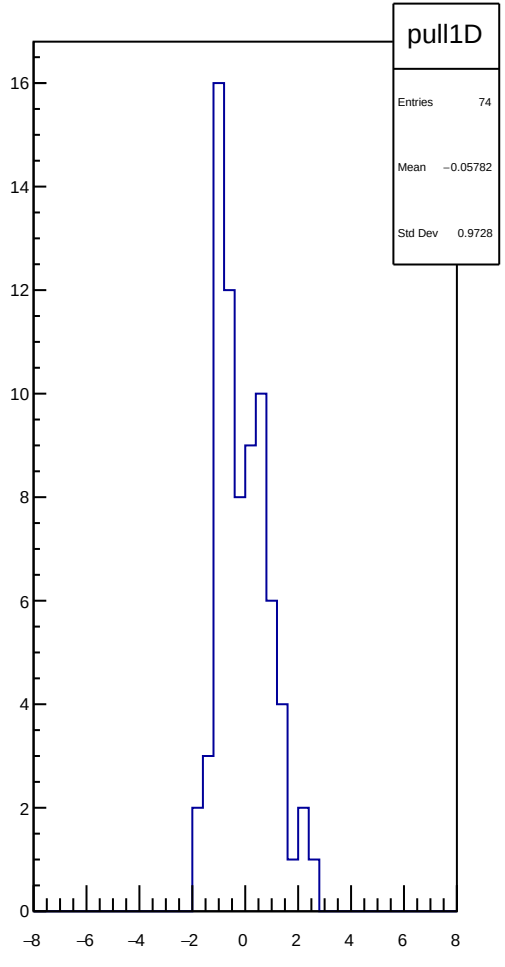

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1.086e+04 / 73
p0 6221 ± 5.039
7500
7000
6500
6000
5500
5000

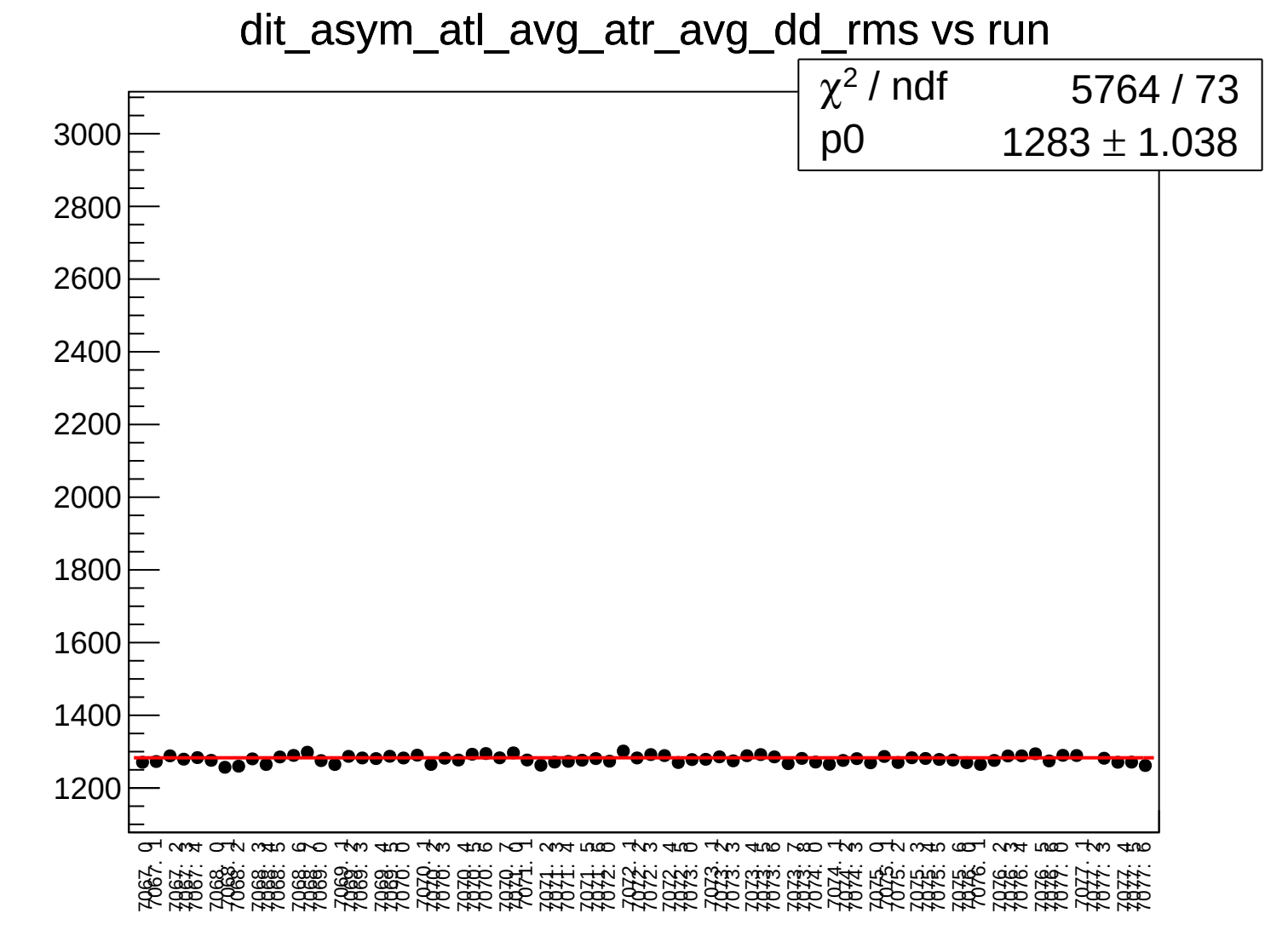

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 69.3 / 73
p0 −9000 ± 7250
pull
Entries 74
Mean 149.2
Std Dev 74.55

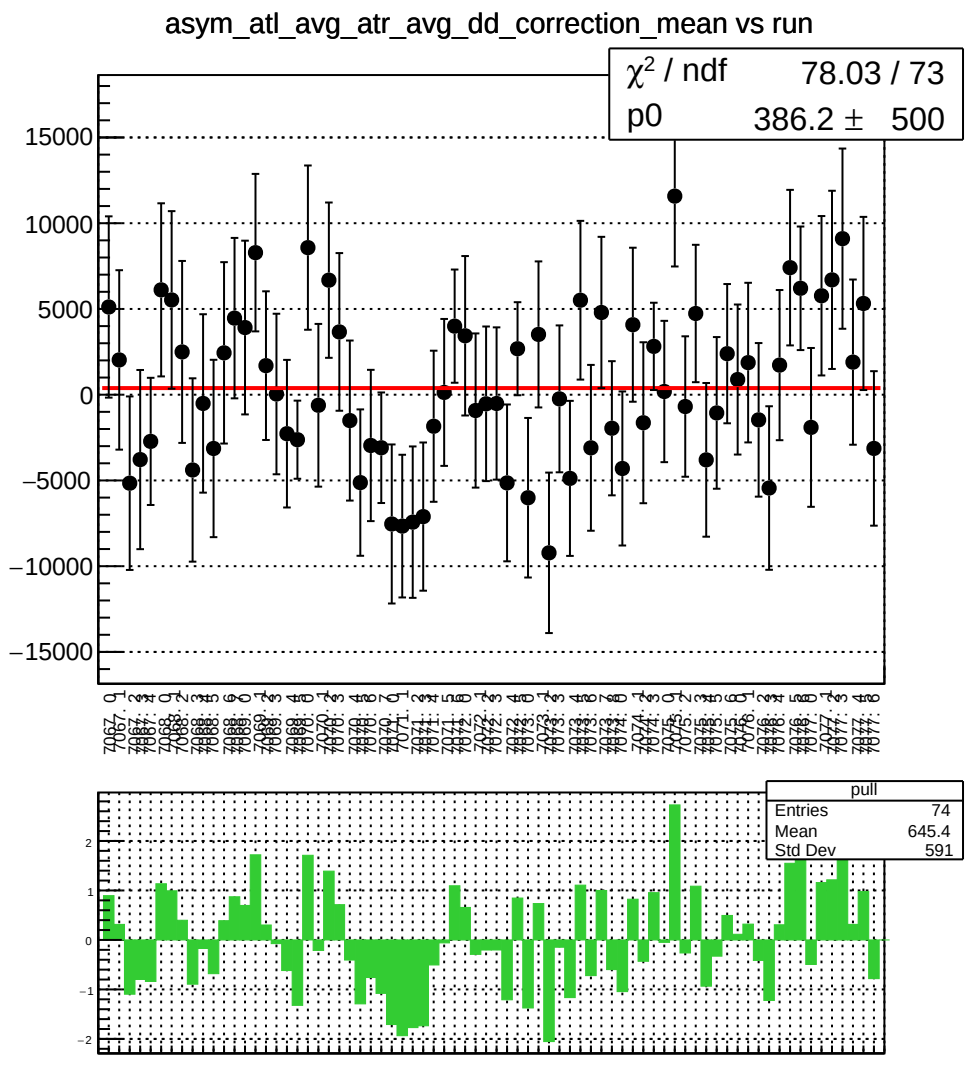

pull1D
Entries 74
Mean −0.01224
Std Dev 0.9676

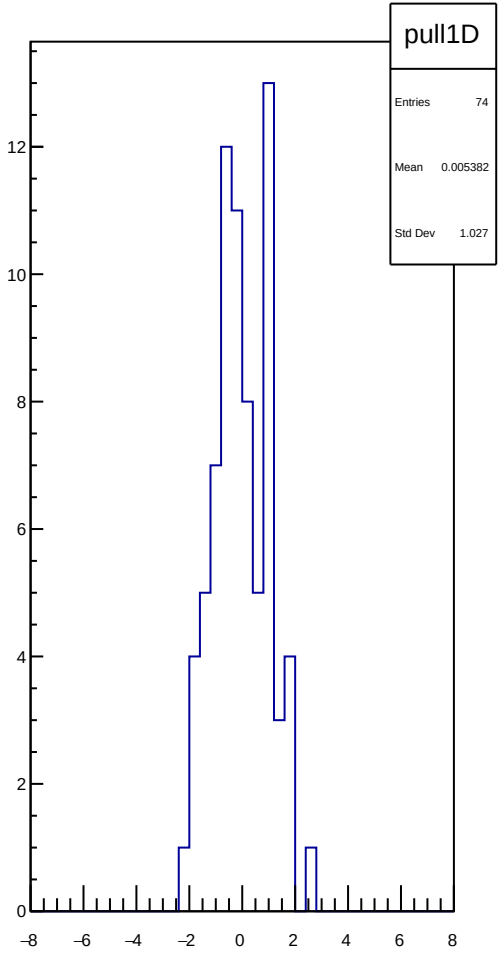

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.037e+04 / 73
p0 6330 ± 5.127
7500
7000
6500
6000
5500

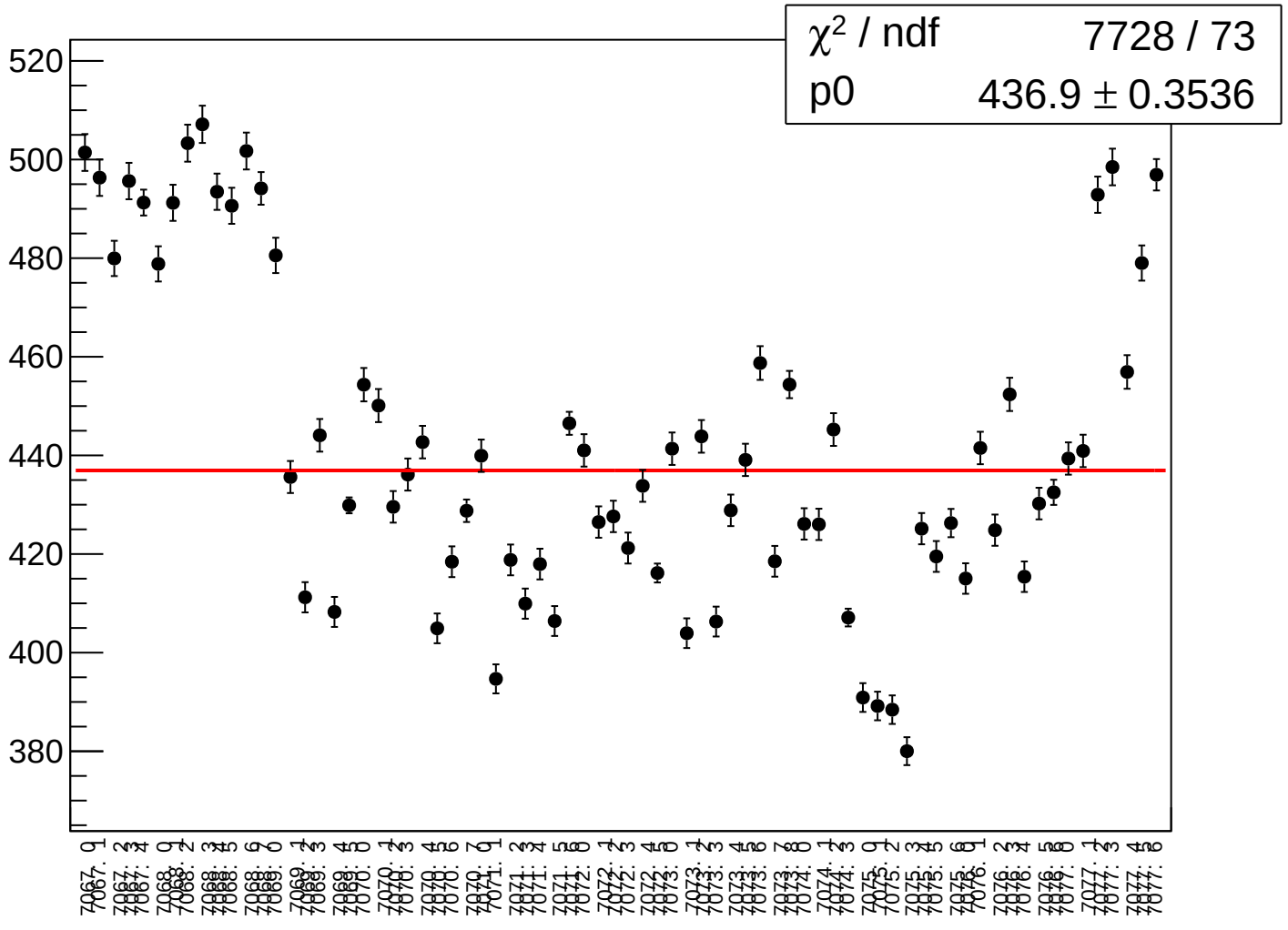

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 70.27 / 73
p0 −797.4 ± 1467
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 64.92
Std Dev 22.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

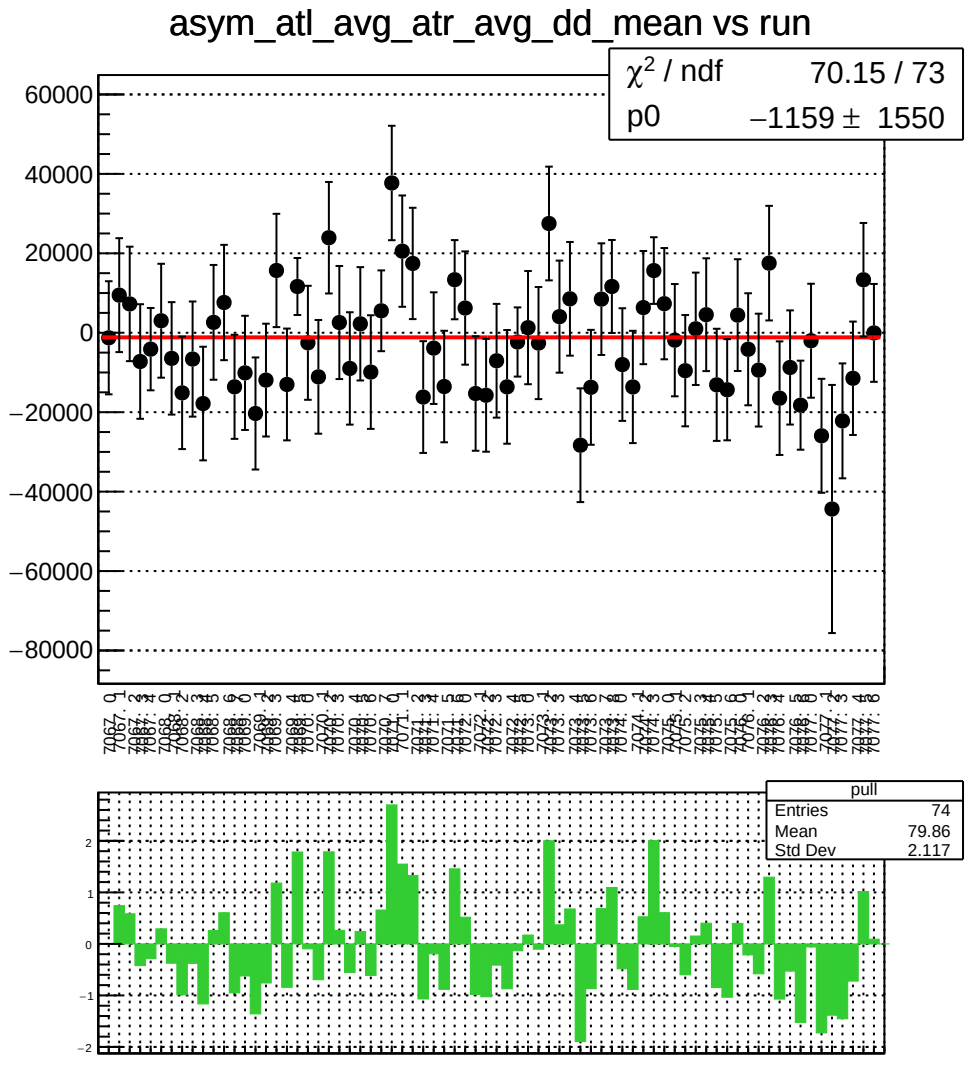

pull1D
Entries 74
Mean −0.05782
Std Dev 0.9728
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

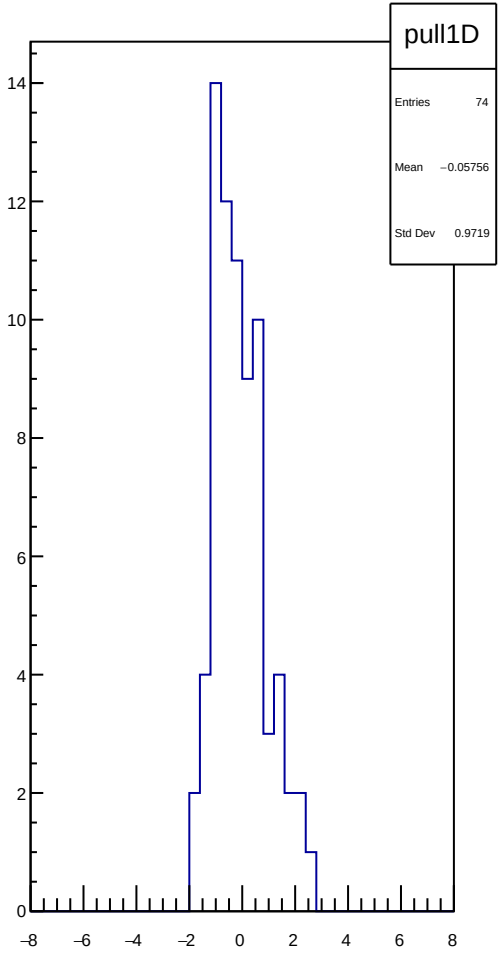

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5764 / 73
p0 1283 ± 1.038
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

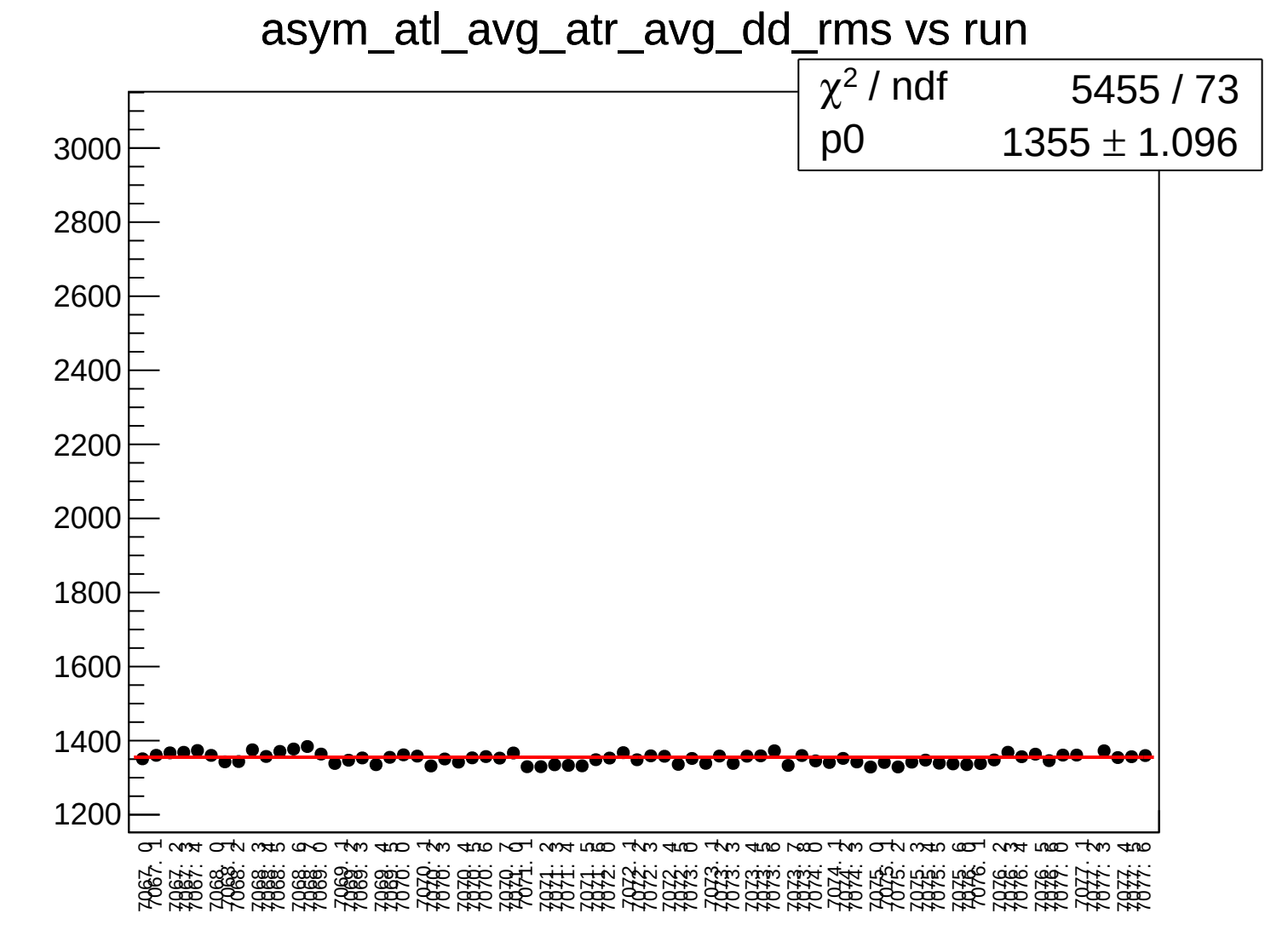

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 78.03 / 73
p0 386.2 ± 500
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 645.4
Std Dev 591
2
1
0
−1
−2

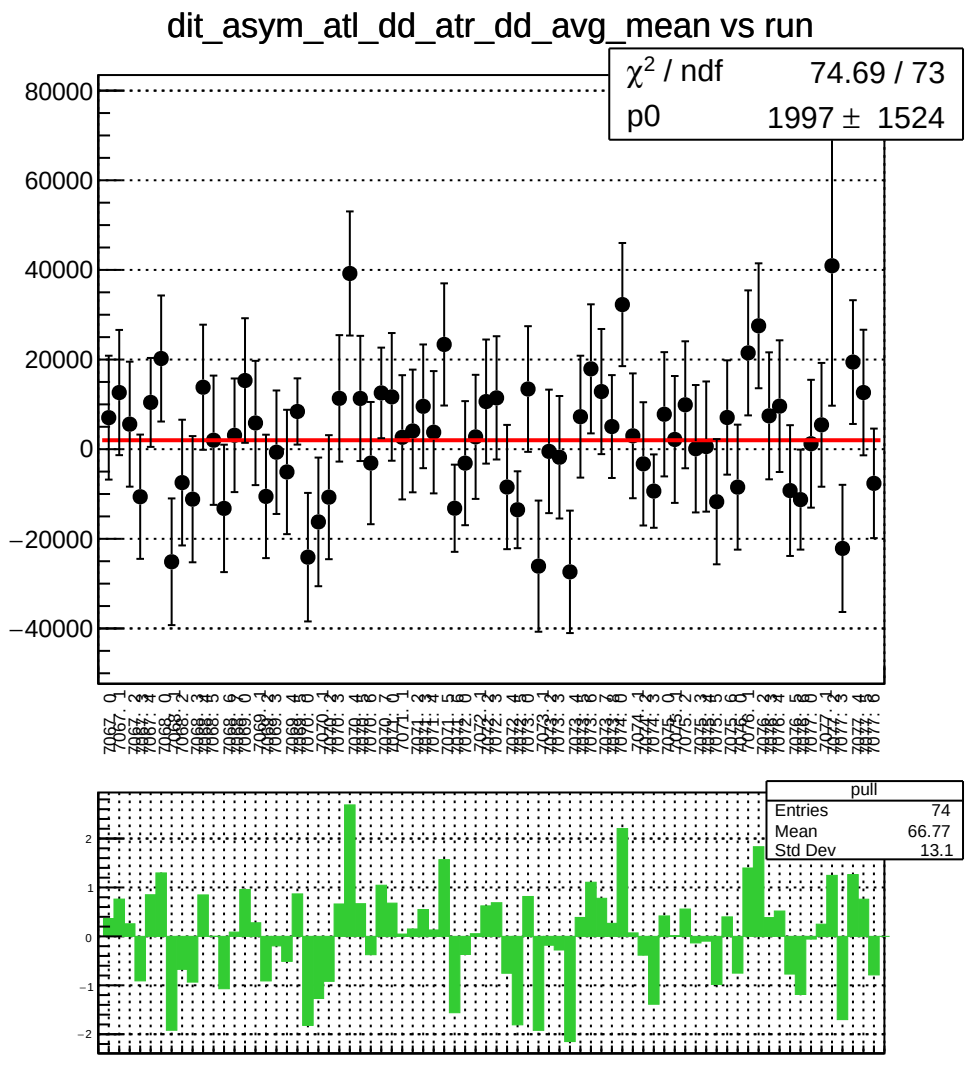

pull1D
Entries 74
Mean 0.005382
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

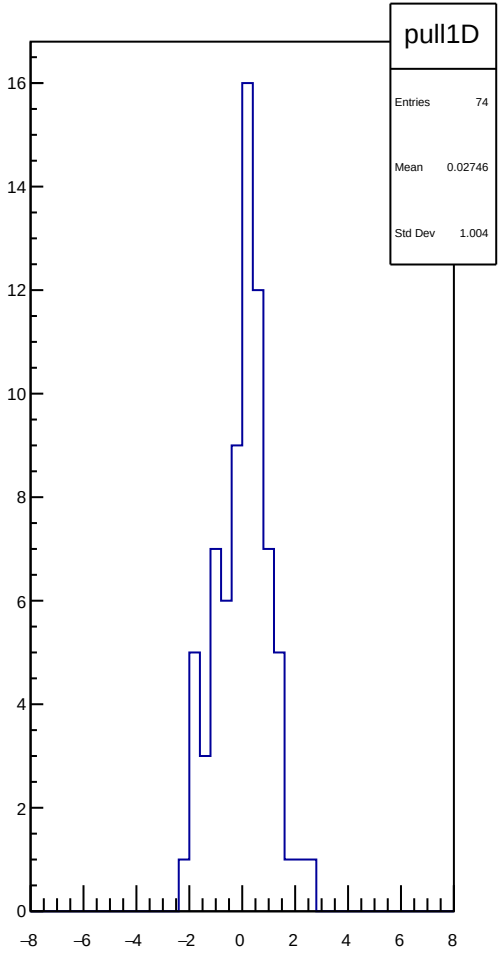

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 7728 / 73
p0 436.9 ± 0.3536
520
500
480
460
440
420
400
380

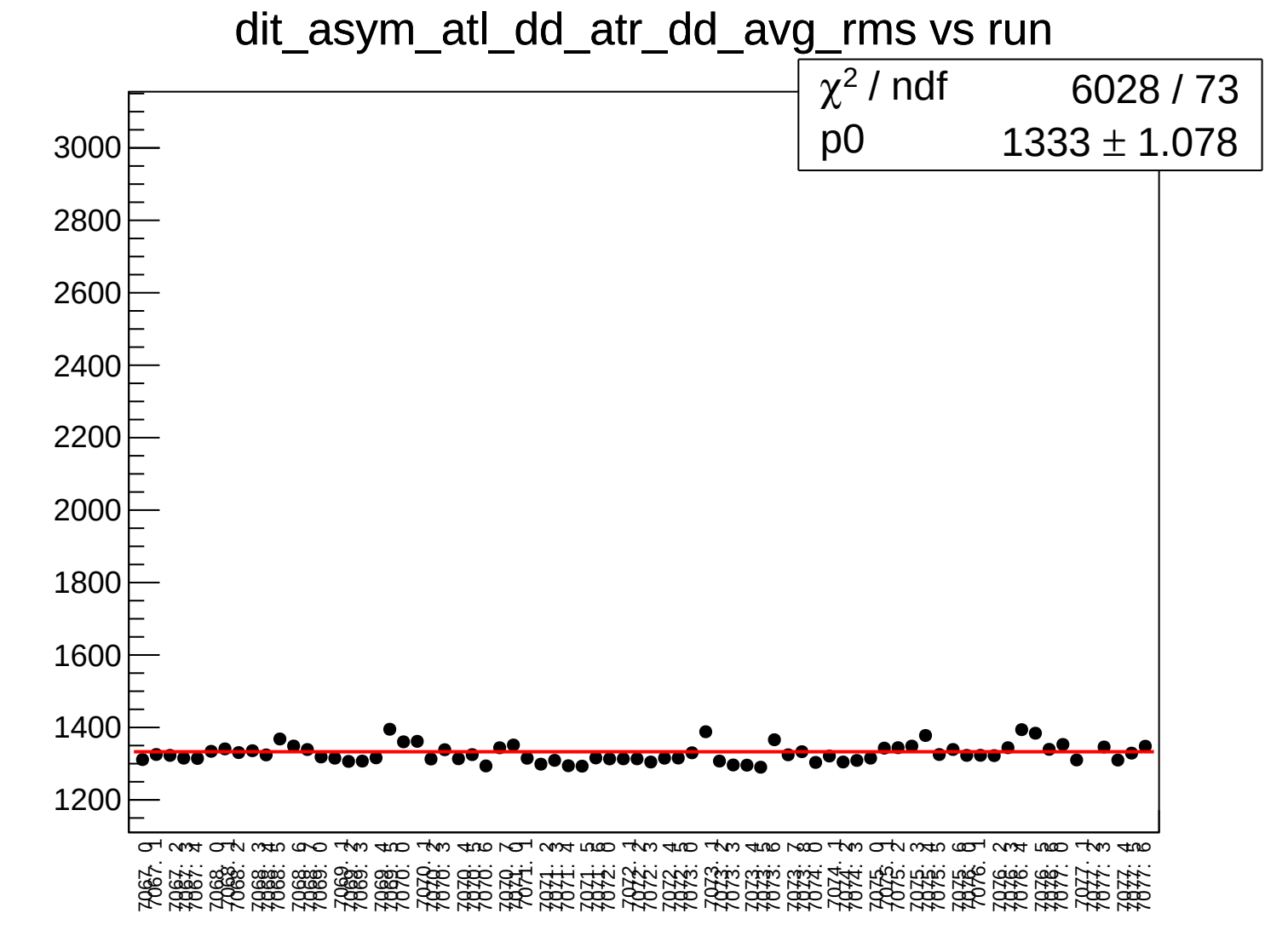

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 70.15 / 73
p0 −1159 ± 1550
pull
Entries 74
Mean 79.86
Std Dev 2.117

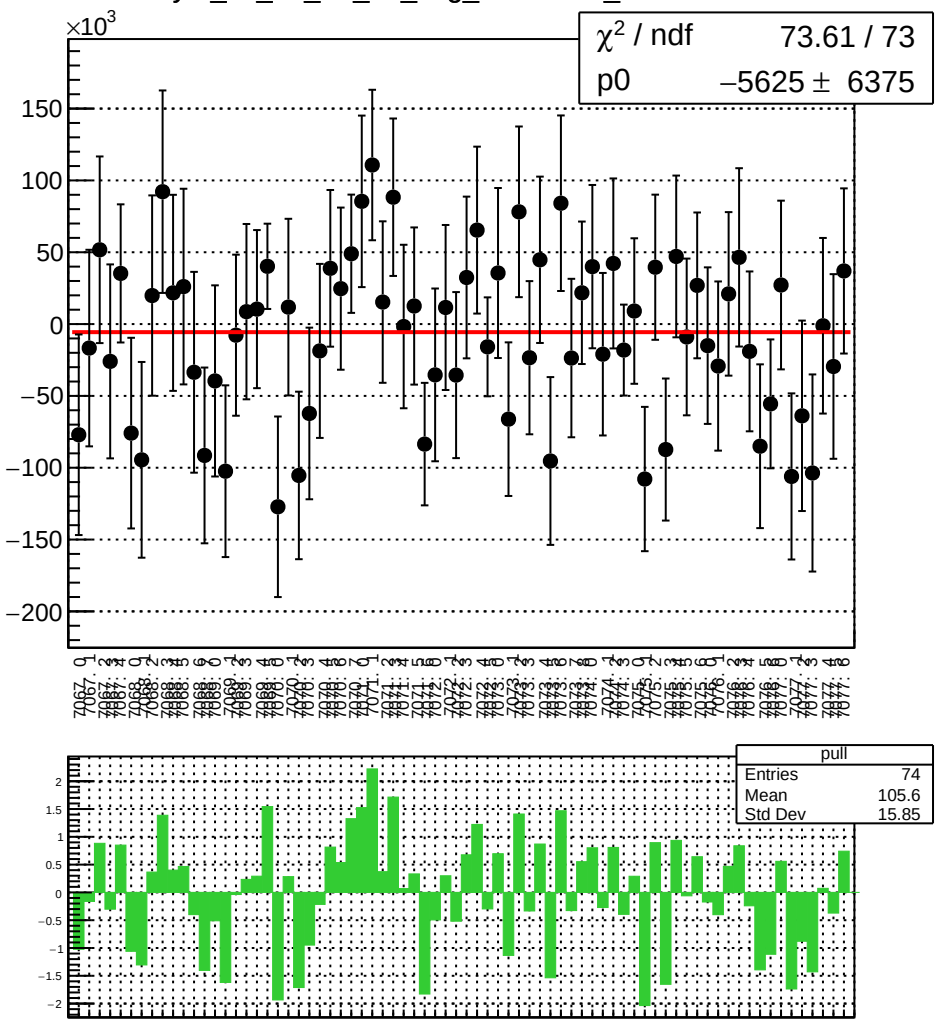

pull1D
Entries 74
Mean −0.05756
Std Dev 0.9719

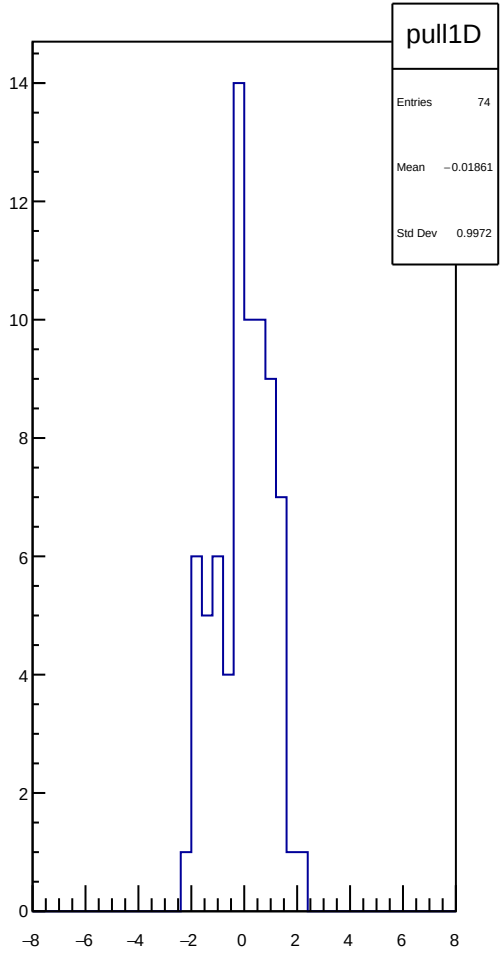

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5455 / 73
p0 1355 ± 1.096
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

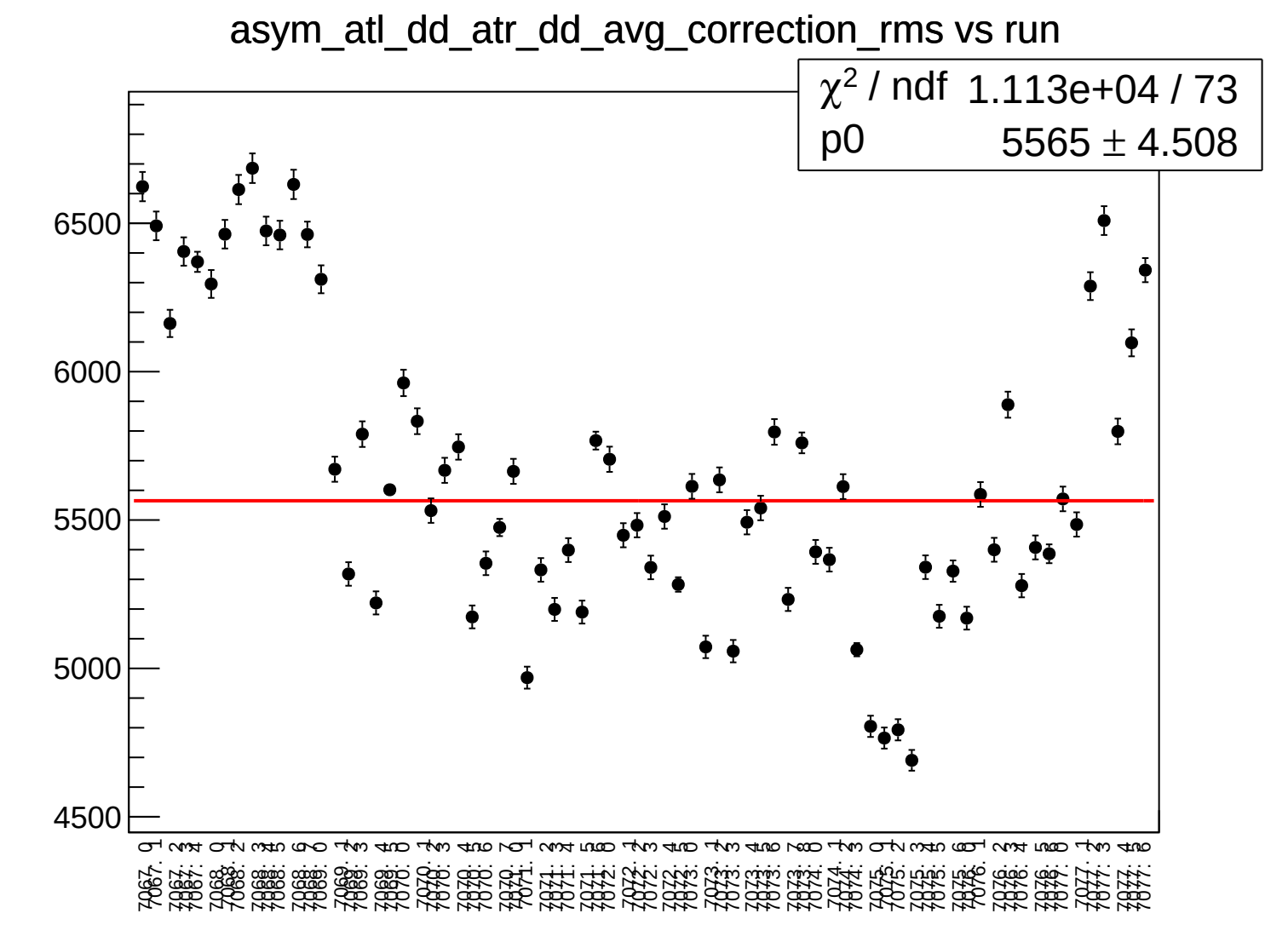

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 74.69 / 73
p0 1997 ± 1524
pull
Entries 74
Mean 66.77
Std Dev 13.1

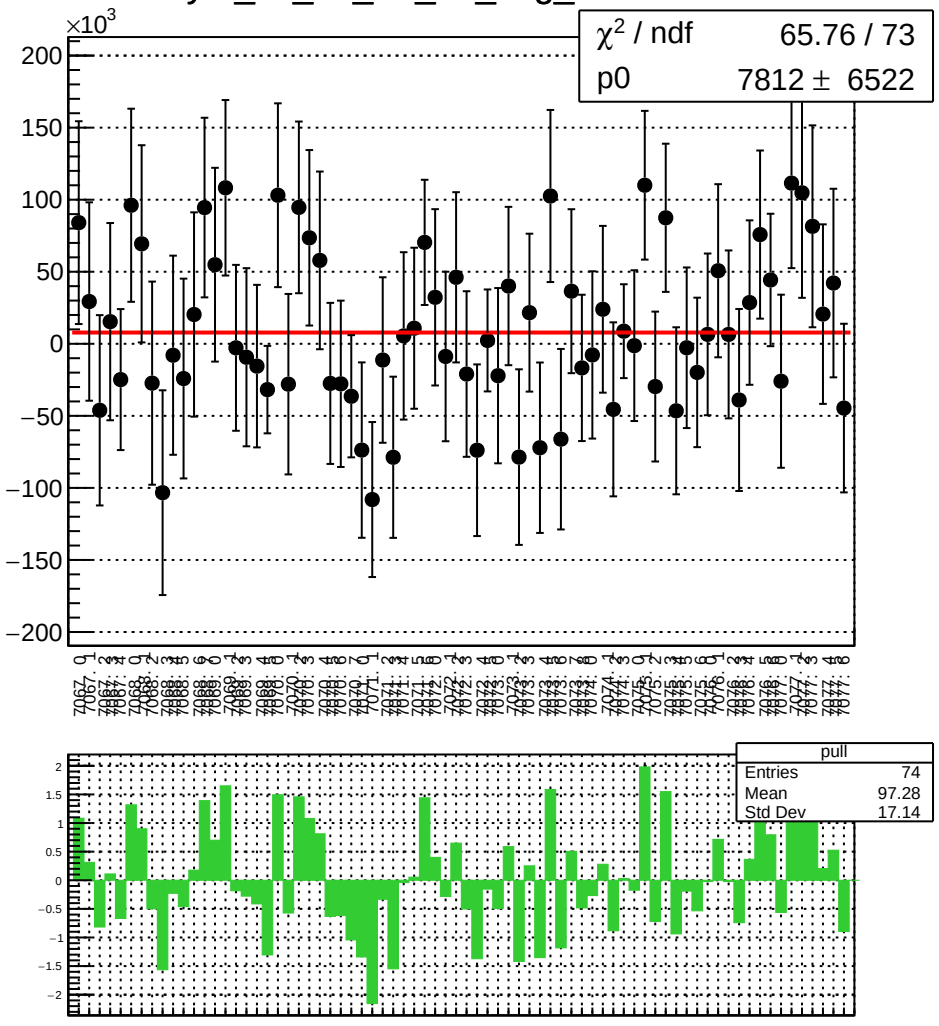

pull1D
Entries 74
Mean 0.02746
Std Dev 1.004

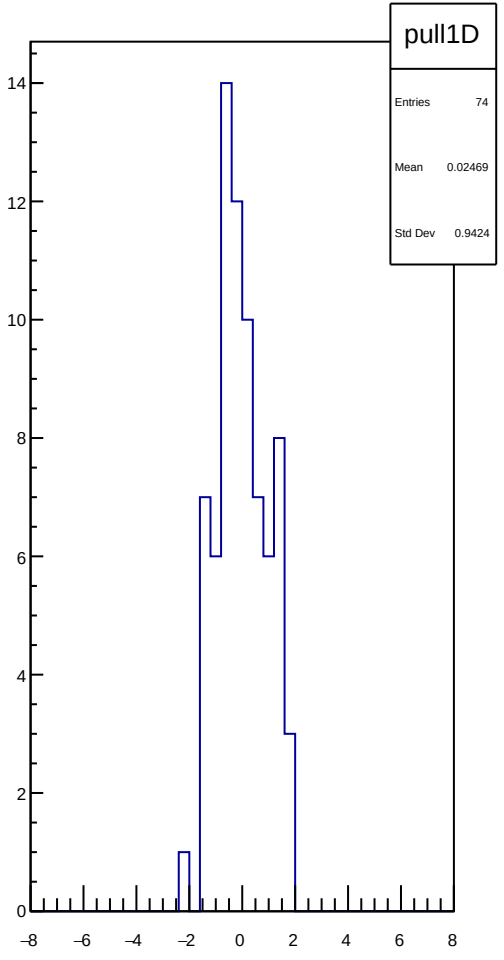

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6028 / 73
p0 1333 ± 1.078
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

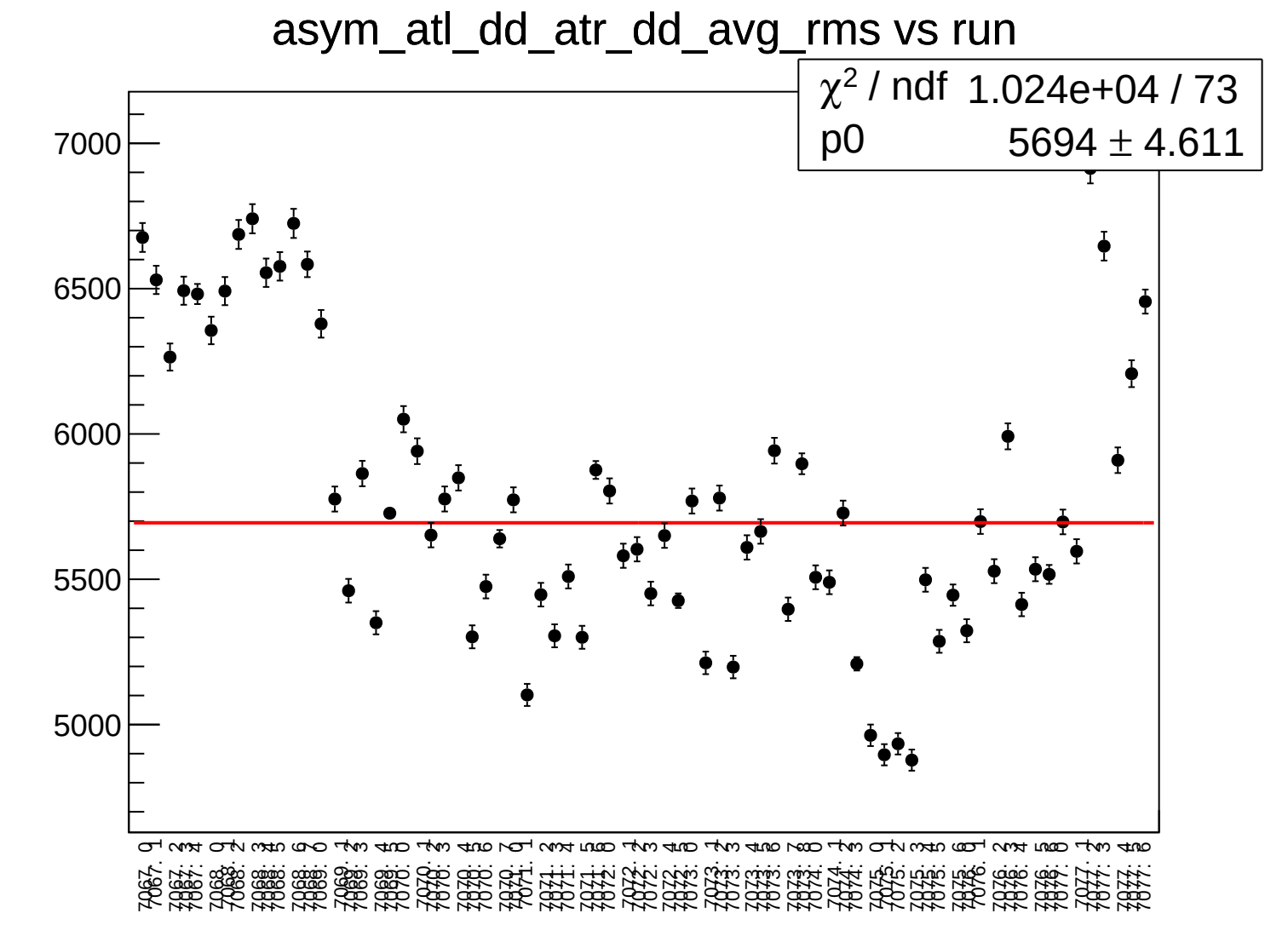

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 73.61 / 73
p0 −5625 ± 6375
150
100
50
0
−50
−100
−150
−200
pull
Entries 74
Mean 105.6
Std Dev 15.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

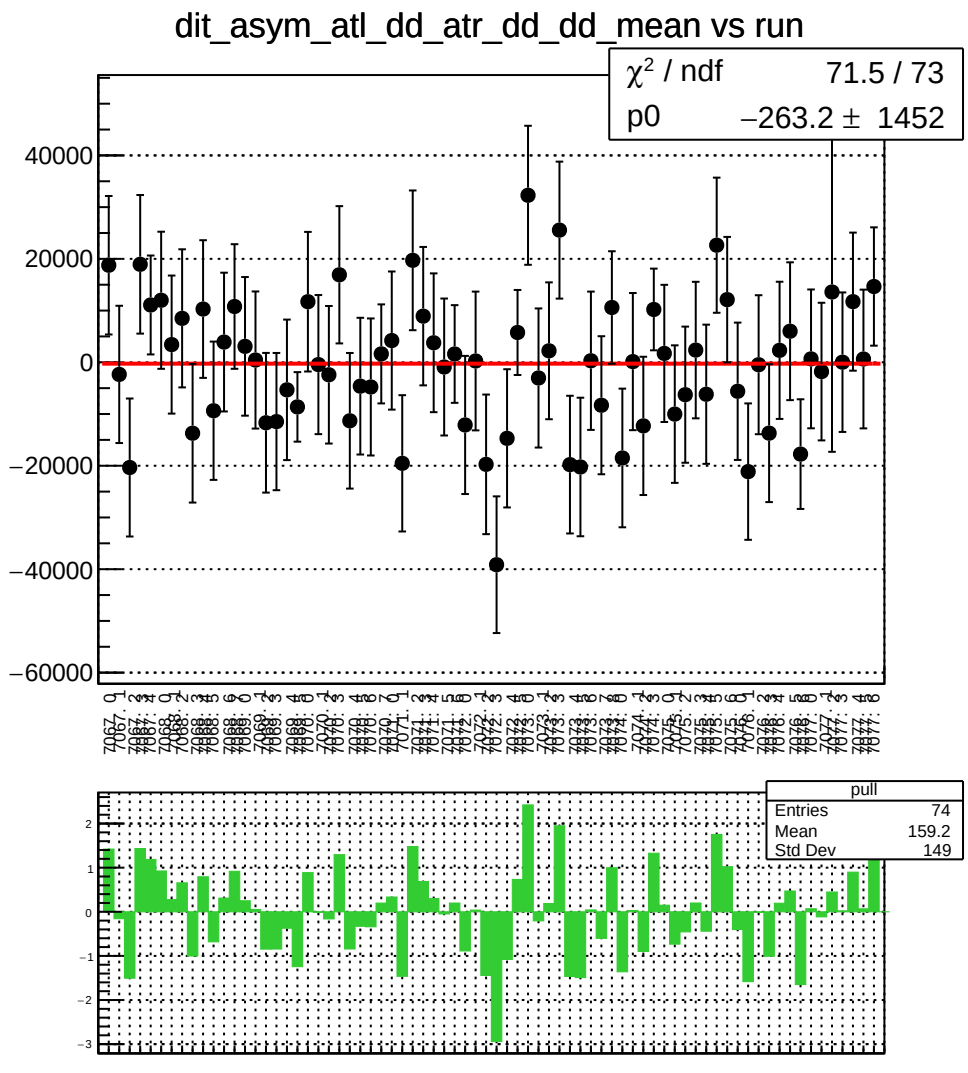

pull1D
Entries 74
Mean −0.01861
Std Dev 0.9972
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

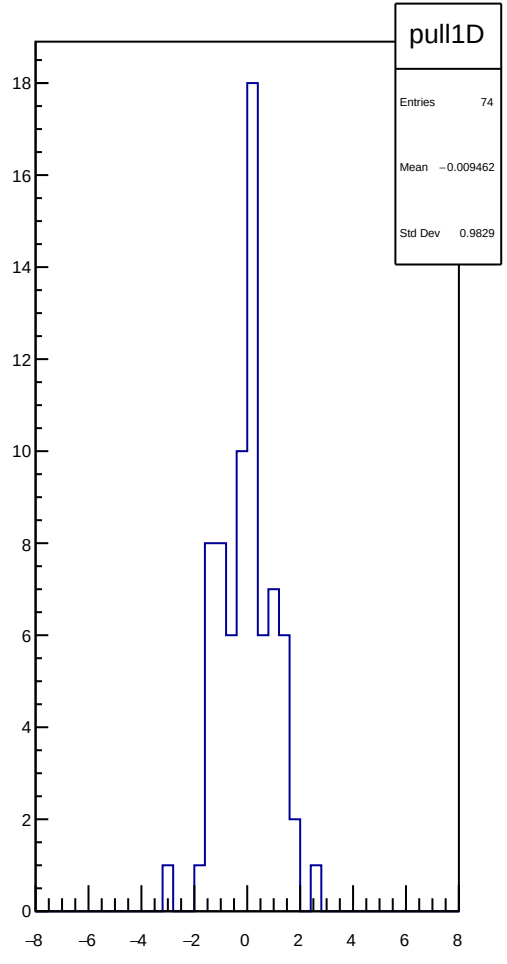

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.113e+04 / 73
p0 5565 ± 4.508
6500
6000
5500
5000
4500

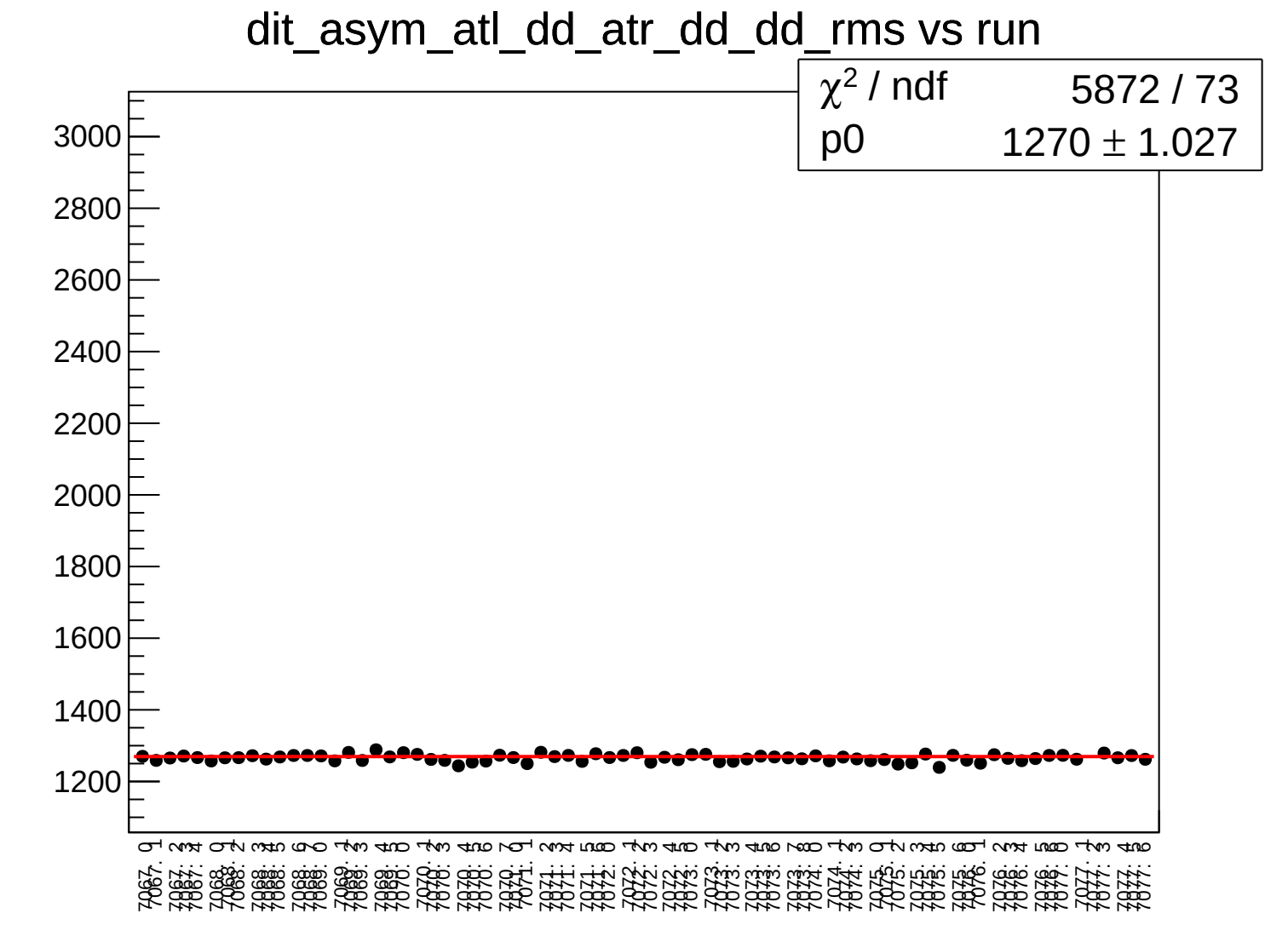

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 65.76 / 73
p0 7812 ± 6522
pull
Entries 74
Mean 97.28
Std Dev 17.14

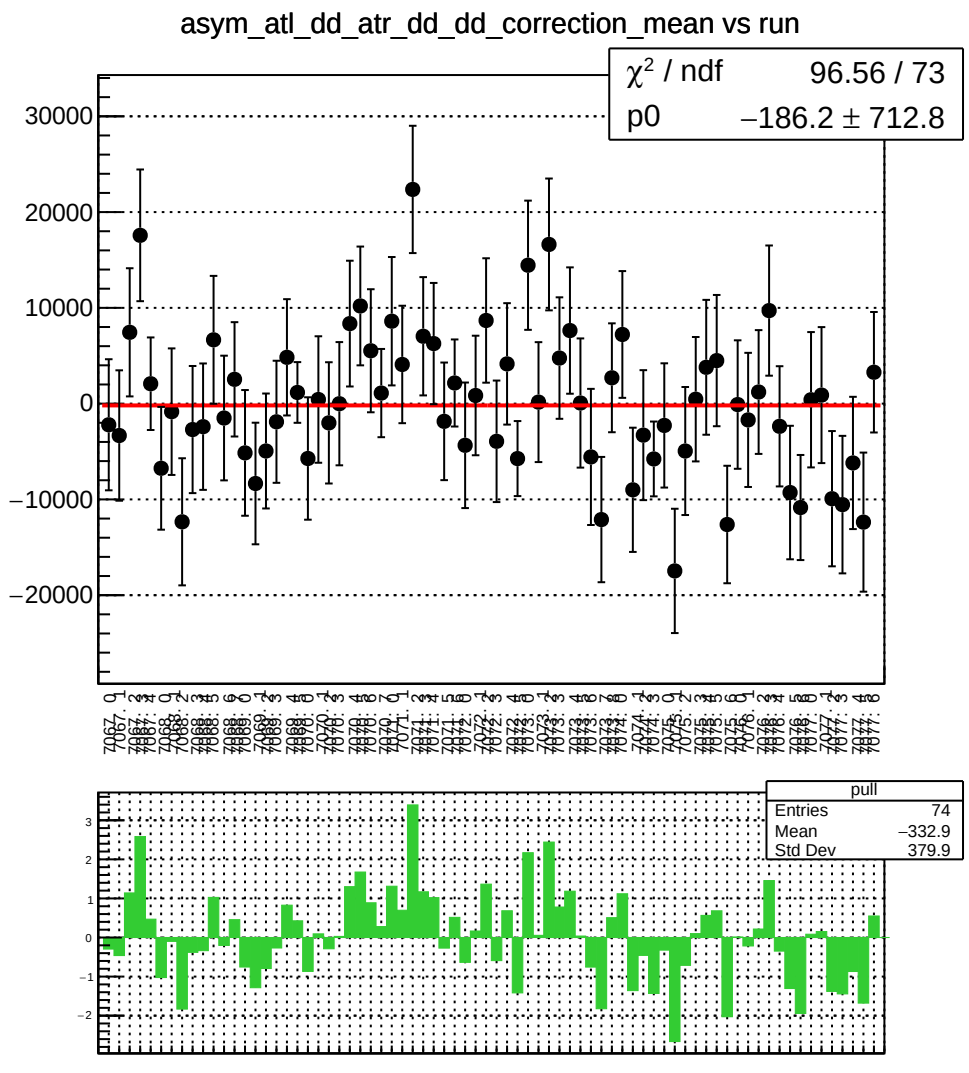

pull1D
Entries 74
Mean 0.02469
Std Dev 0.9424

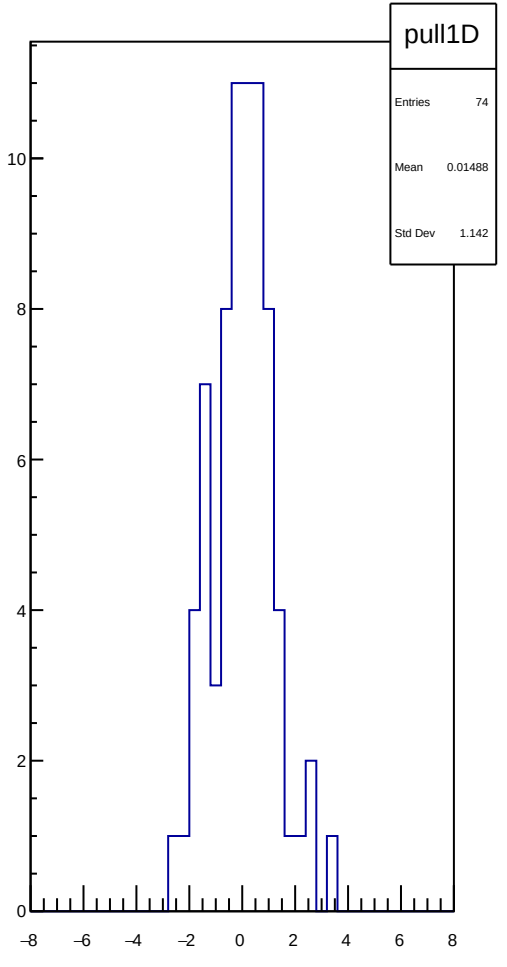

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.024e+04 / 73
p0 5694 ± 4.611
7000
6500
6000
5500
5000

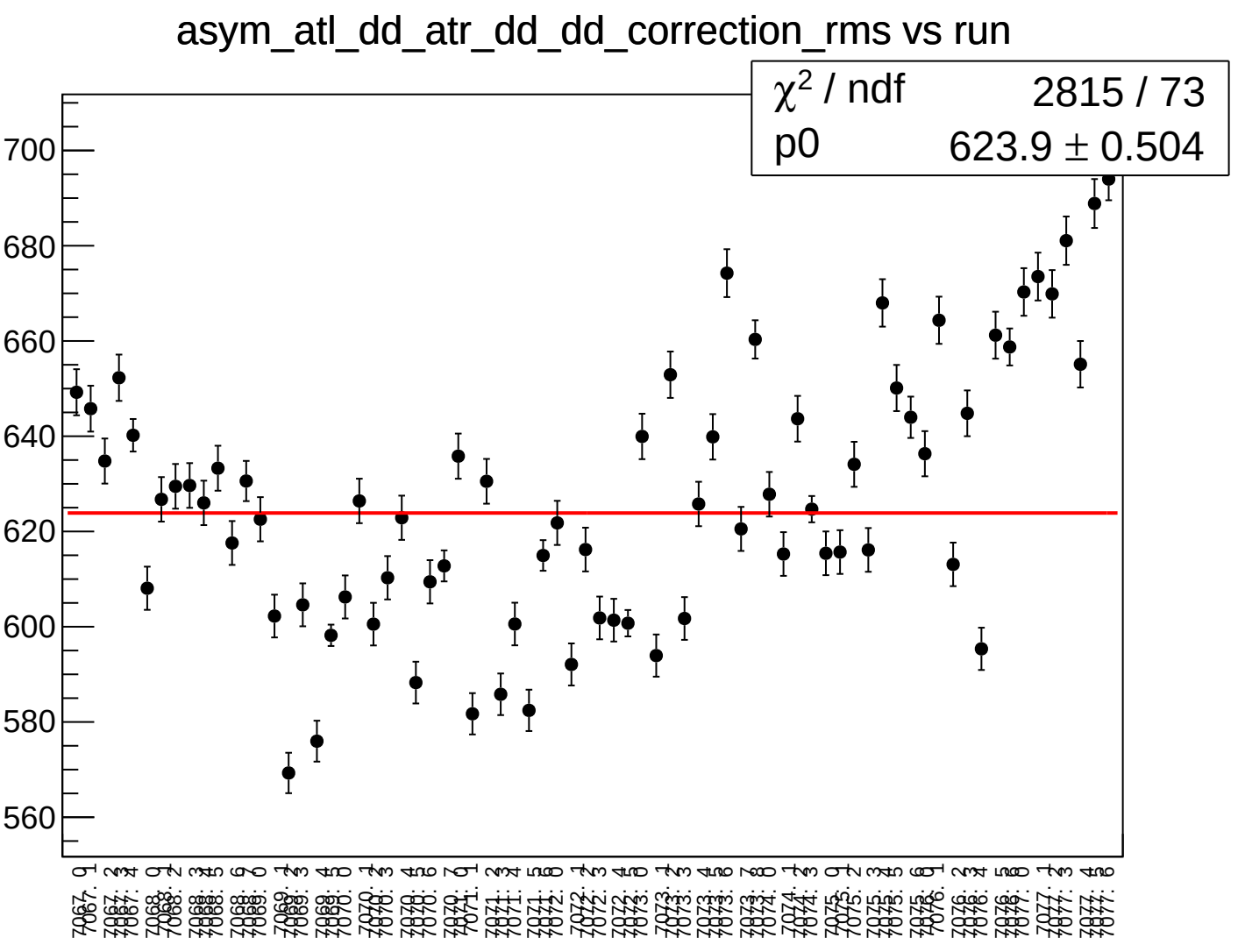

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 71.5 / 73
p0 −263.2 ± 1452
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 159.2
Std Dev 149
2
1
0
−1
−2
−3

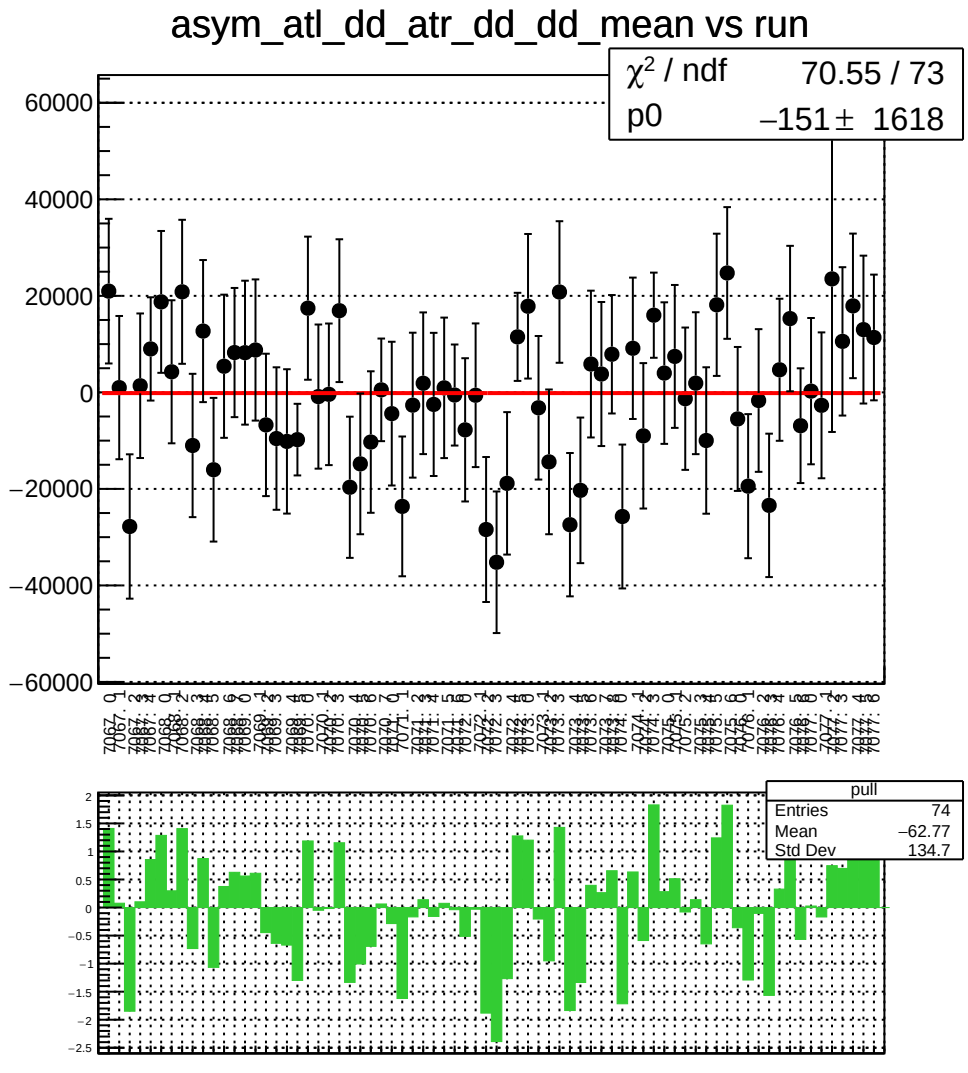

pull1D
Entries 74
Mean −0.009462
Std Dev 0.9829
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

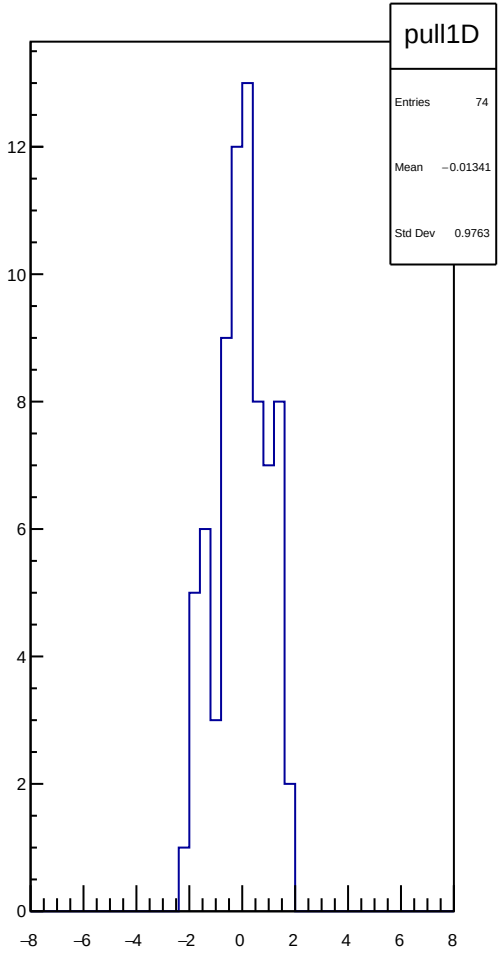

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5872 / 73
p0 1270 ± 1.027
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

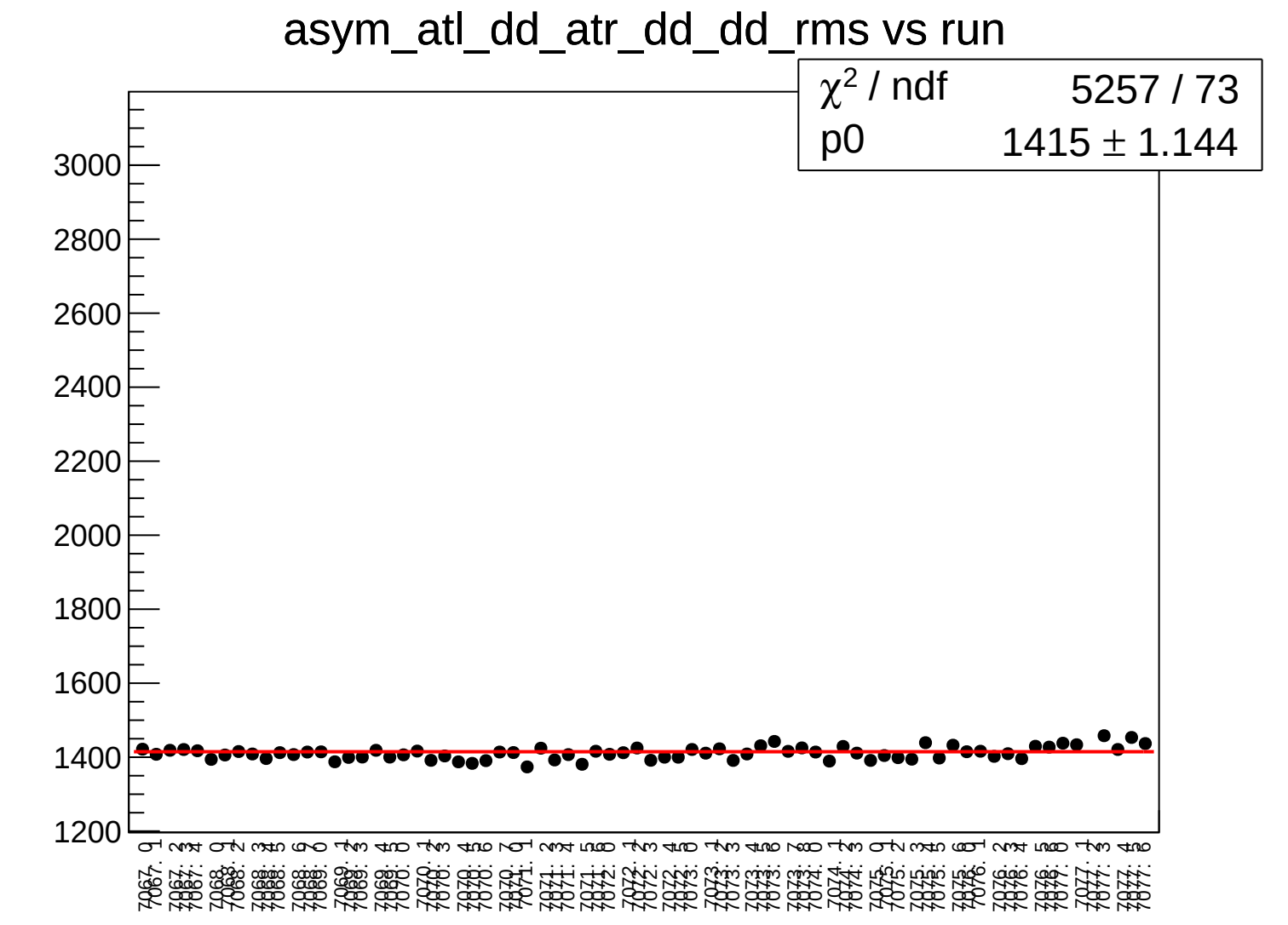

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 96.56 / 73
p0 −186.2 ± 712.8
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −332.9
Std Dev 379.9
3
2
1
0
−1
−2

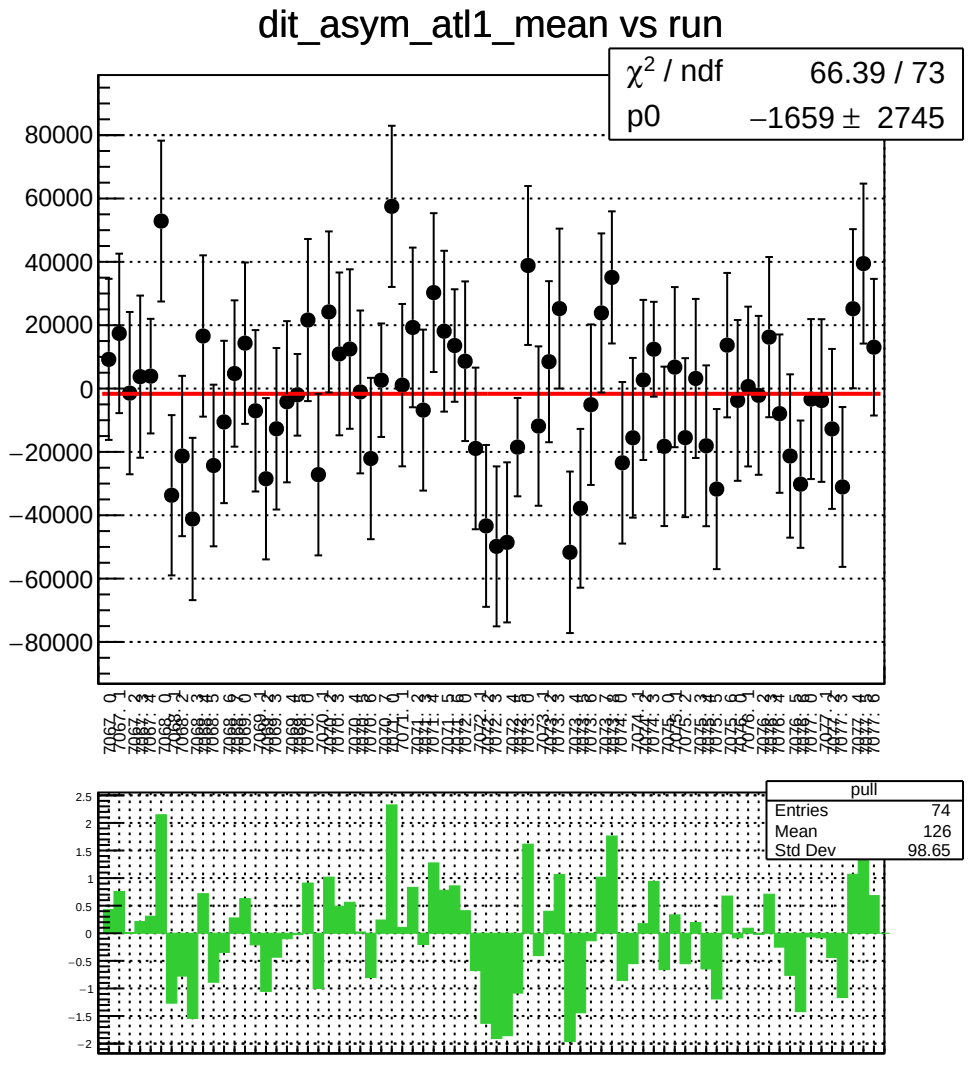

pull1D
Entries 74
Mean 0.01488
Std Dev 1.142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

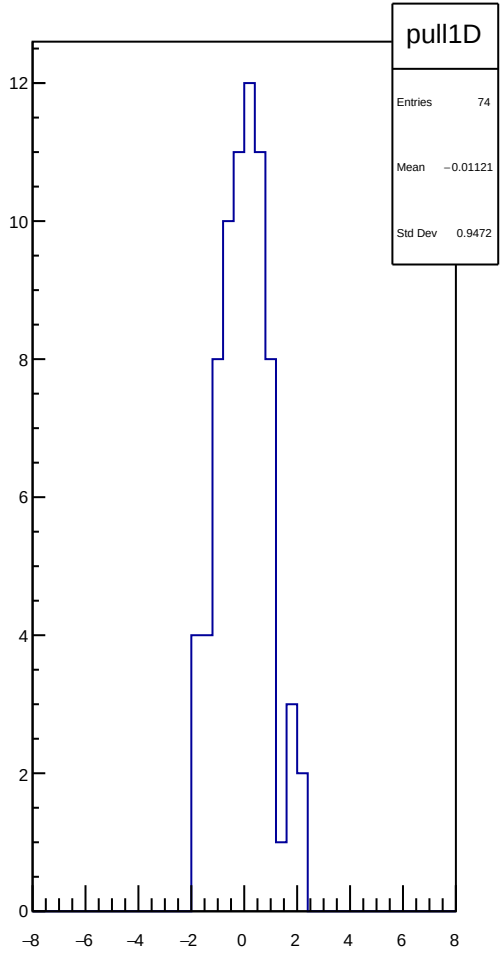

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2815 / 73
p0 623.9 ± 0.504
700
680
660
640
620
600
580
560

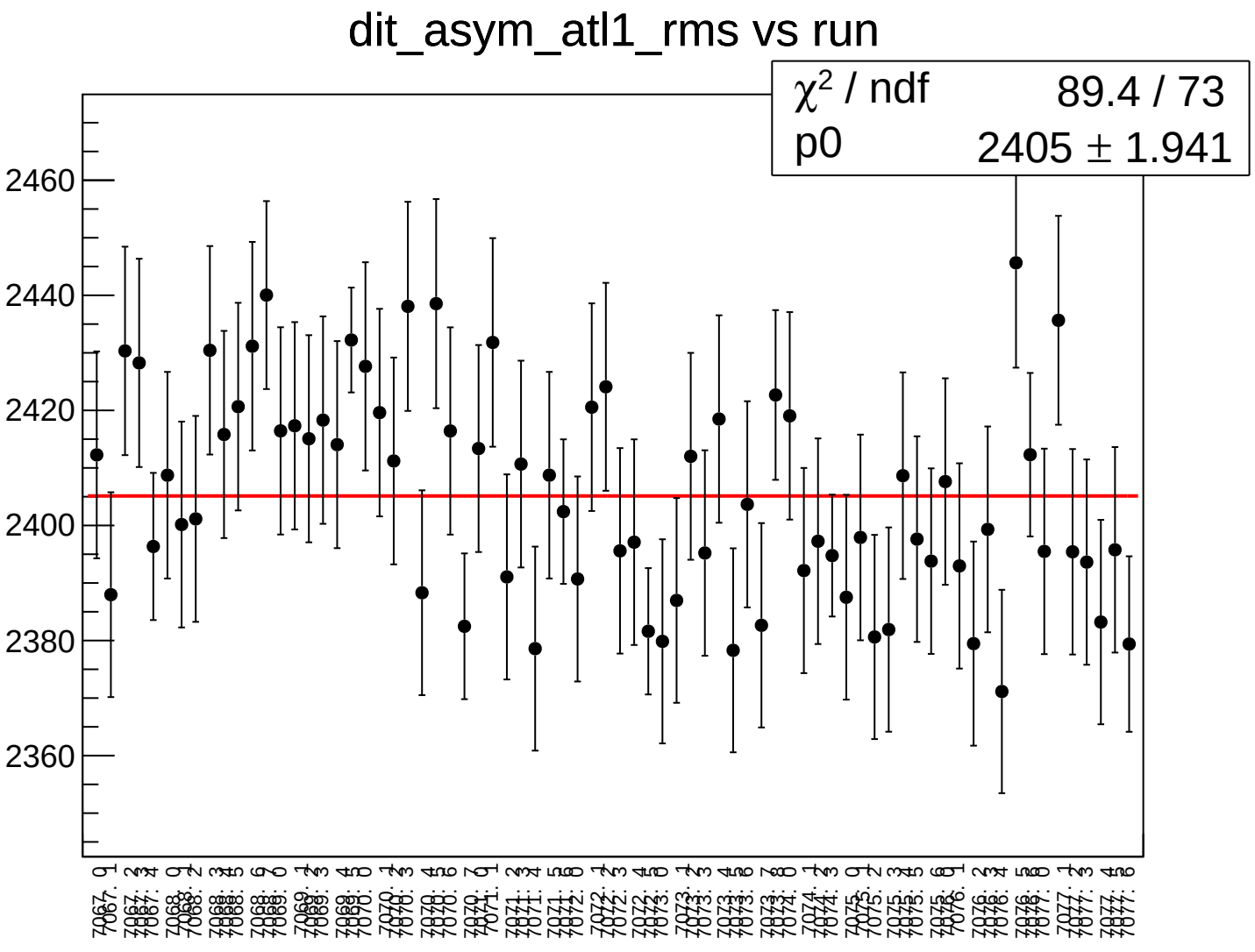

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 70.55 / 73
p0 −151 ± 1618
pull
Entries 74
Mean −62.77
Std Dev 134.7

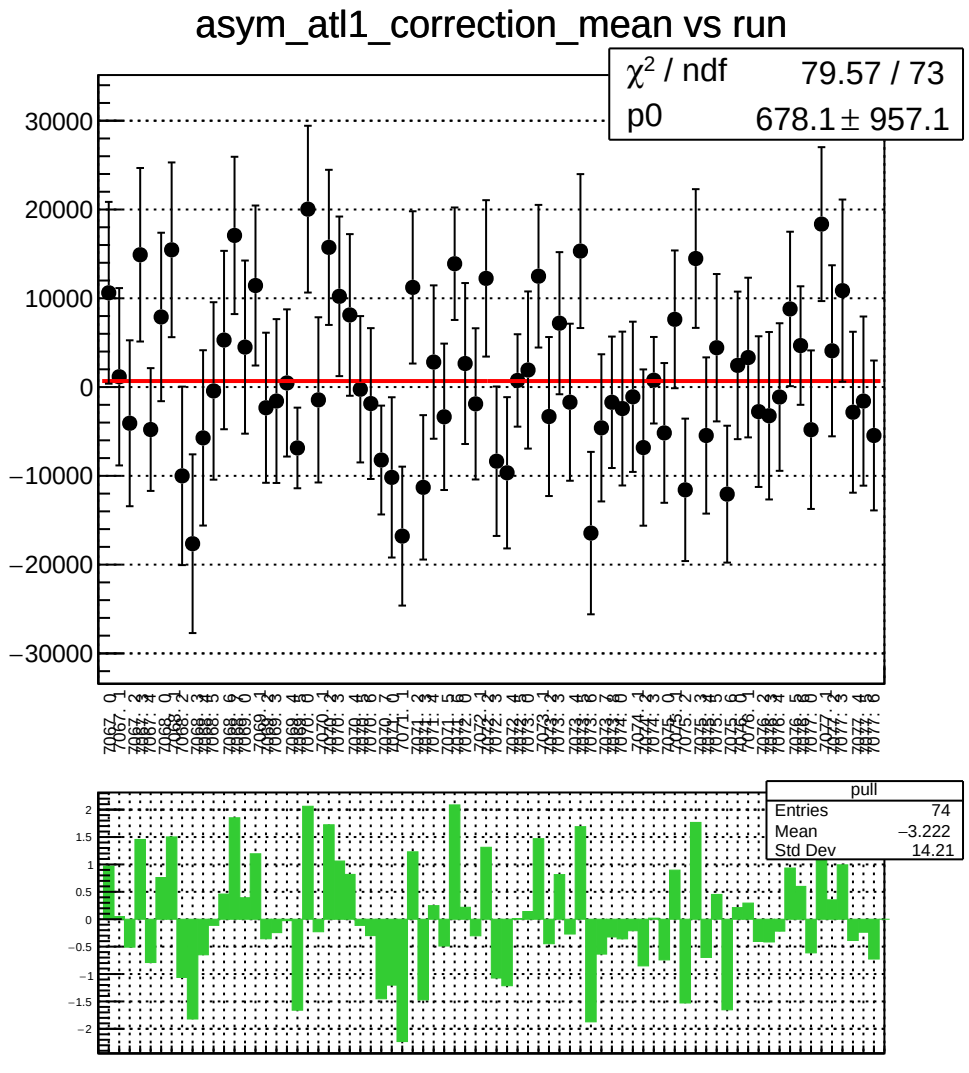

pull1D
Entries 74
Mean −0.01341
Std Dev 0.9763

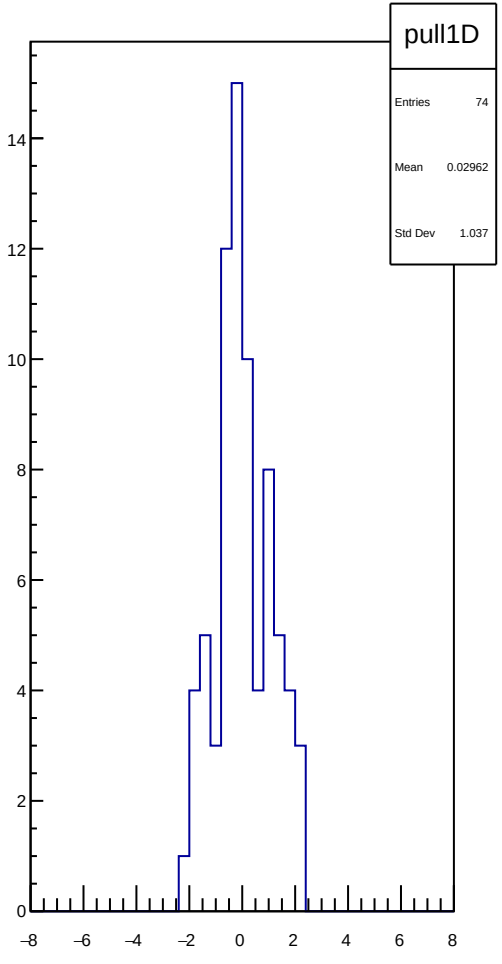

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5257 / 73
p0 1415 ± 1.144
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

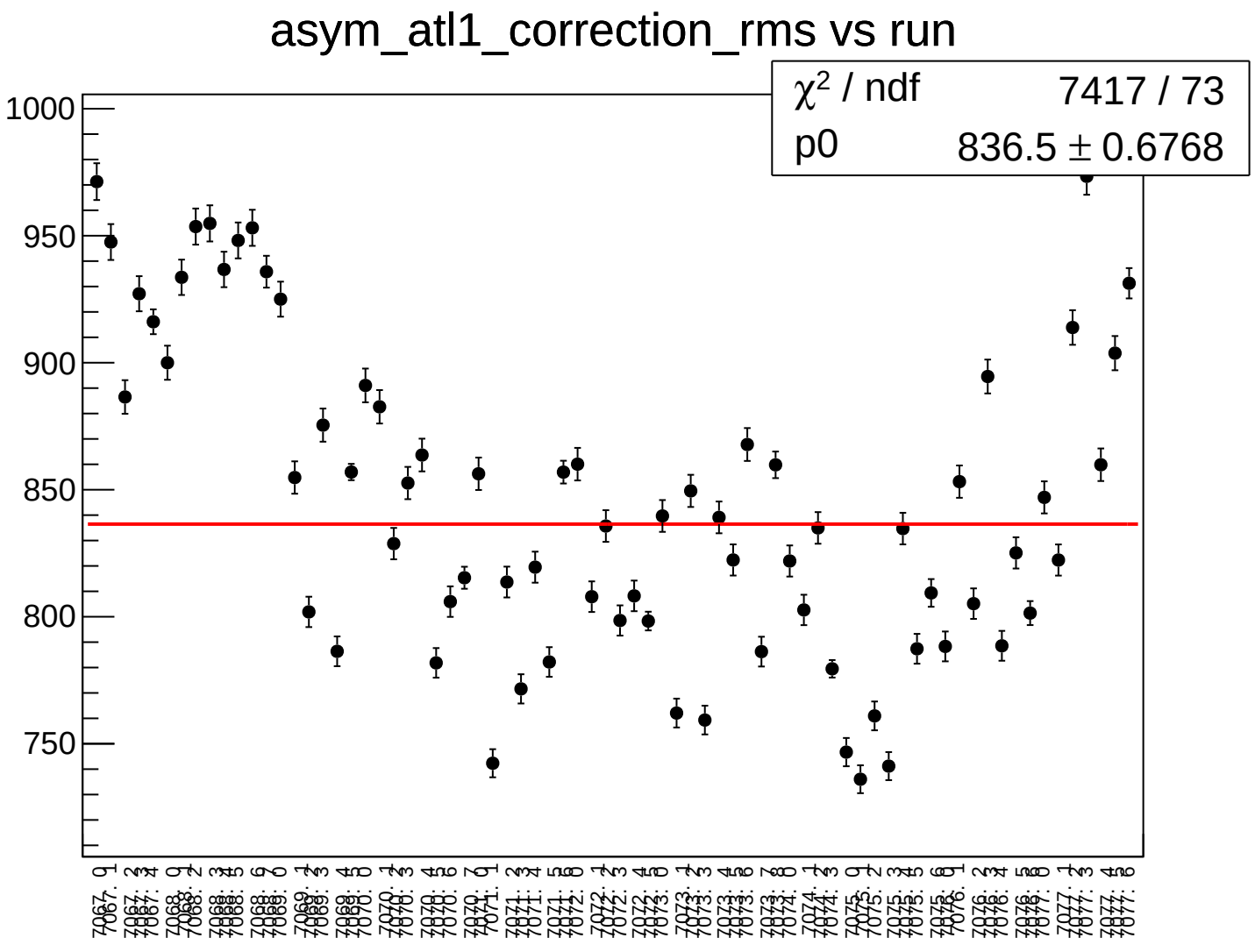

dit_asym_atl1_mean vs run
χ² / ndf 66.39 / 73
p0 −1659 ± 2745
pull
Entries 74
Mean 126
Std Dev 98.65

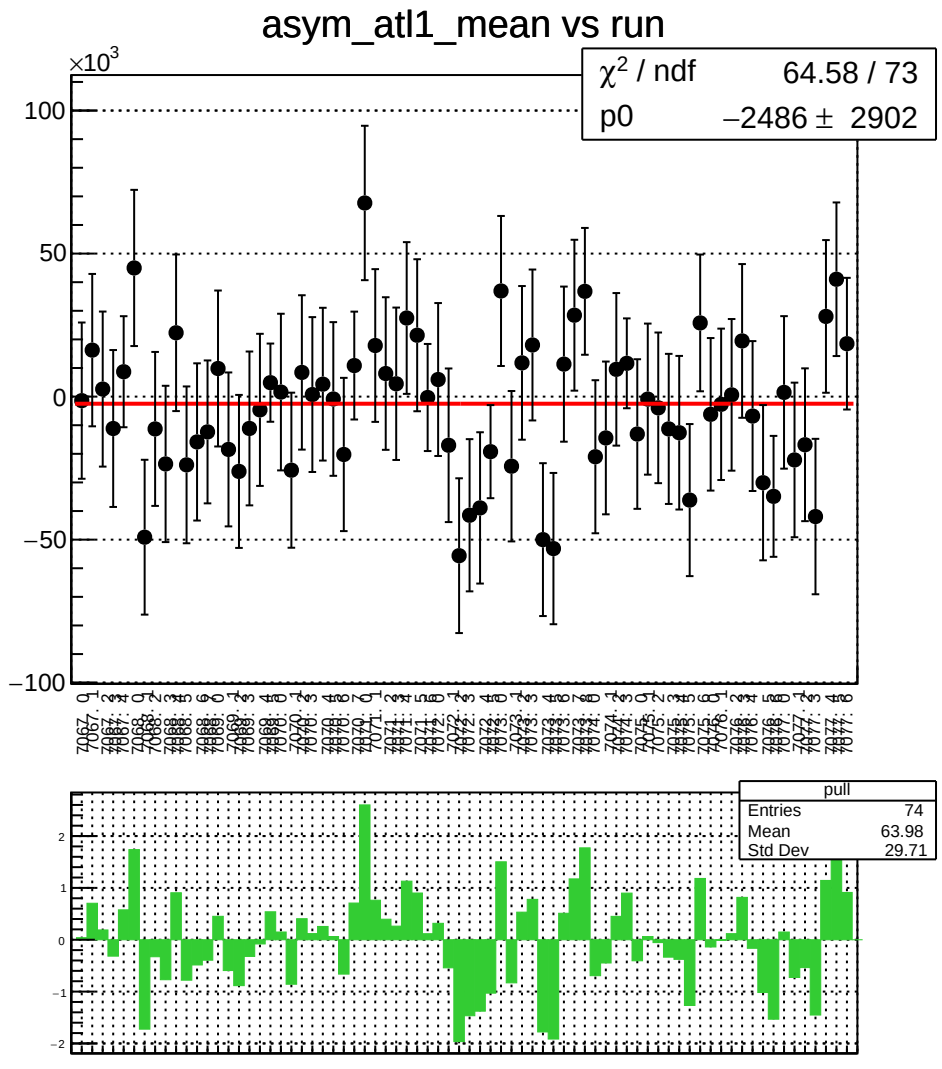

pull1D
Entries 74
Mean −0.01121
Std Dev 0.9472

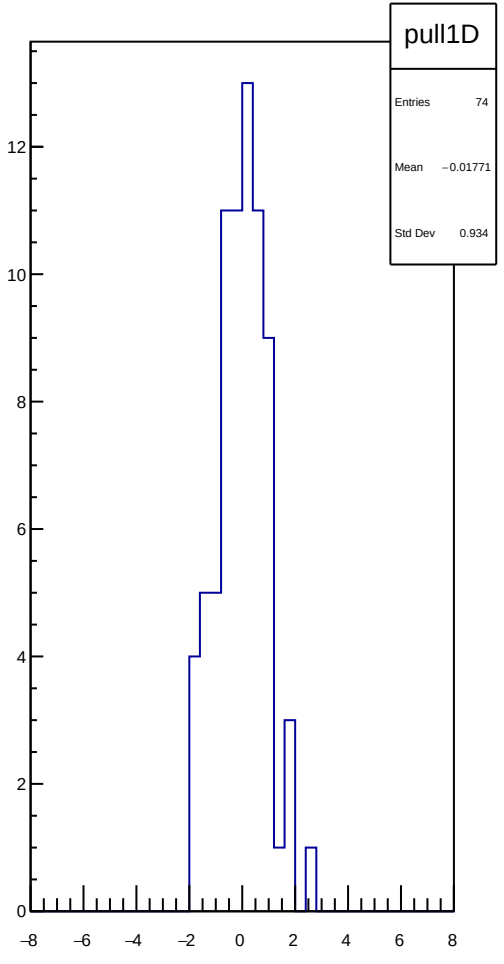

dit_asym_atl1_rms vs run
χ² / ndf 89.4 / 73
p0 2405 ± 1.941
2460
2440
2420
2400
2380
2360

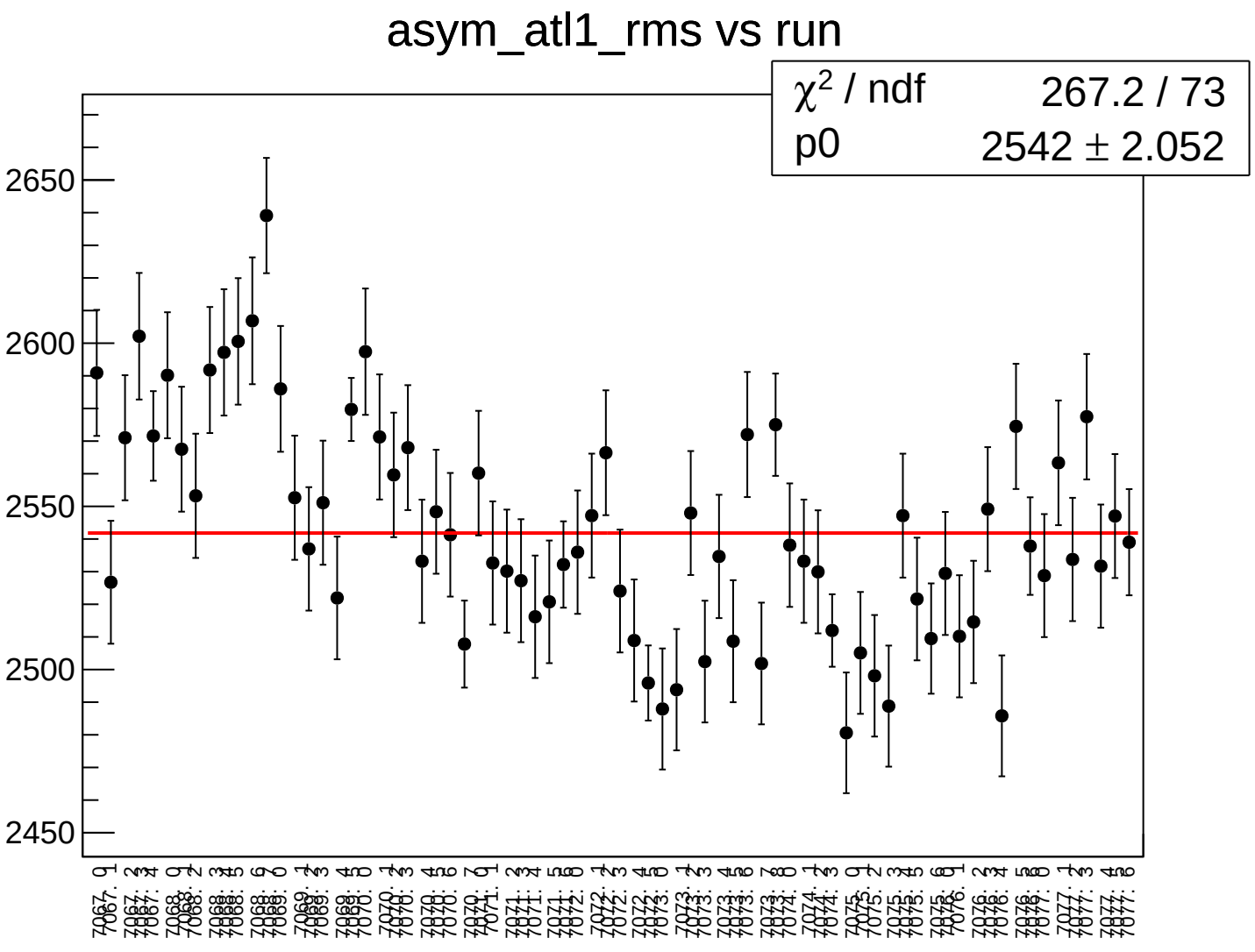

asym_atl1_correction_mean vs run
χ² / ndf 79.57 / 73
p0 678.1 ± 957.1
pull
Entries 74
Mean −3.222
Std Dev 14.21

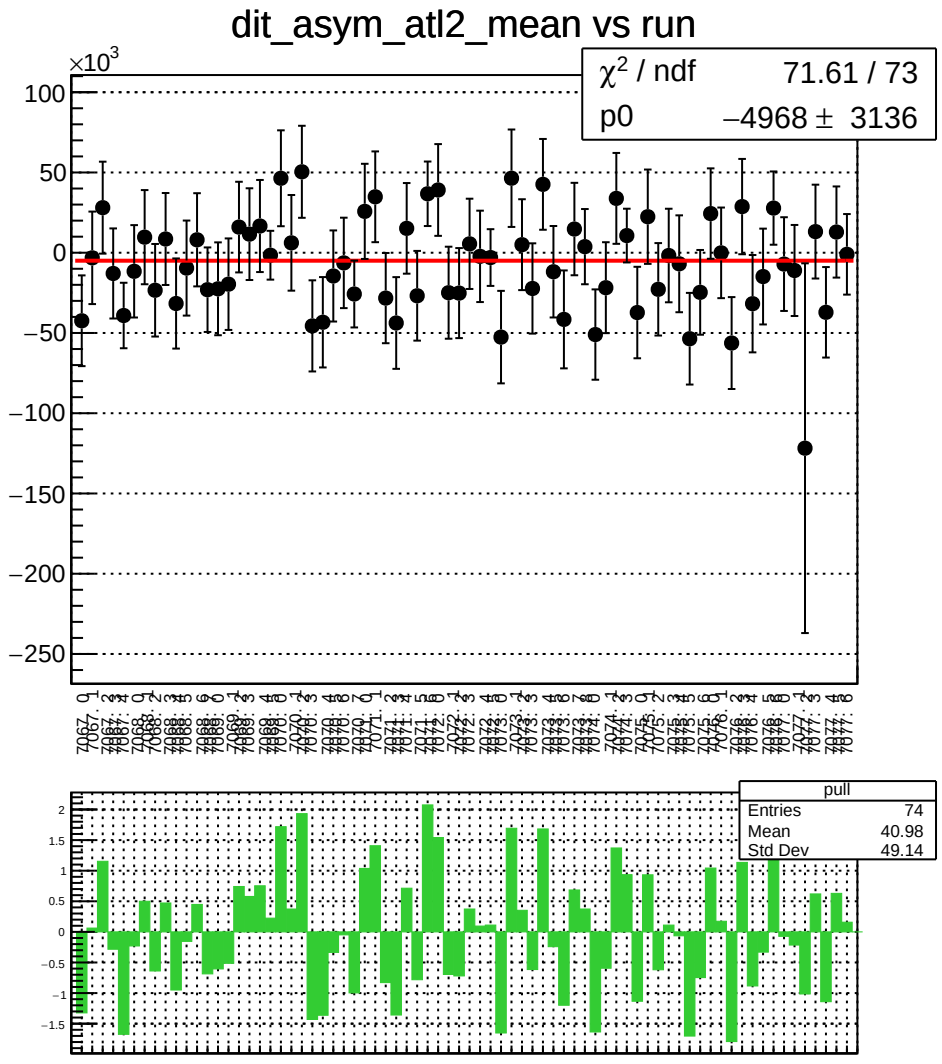

pull1D
Entries 74
Mean 0.02962
Std Dev 1.037

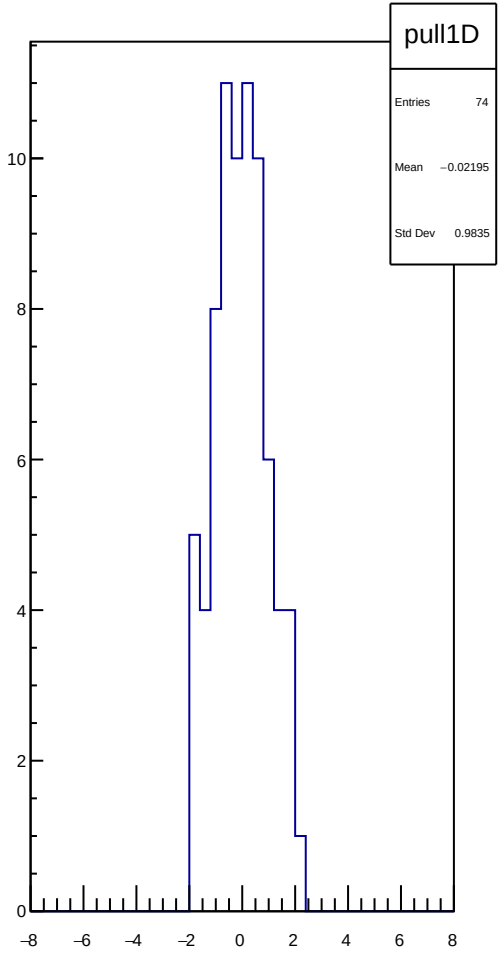

asym_atl1_correction_rms vs run
χ² / ndf 7417 / 73
p0 836.5 ± 0.6768
1000
950
900
850
800
750

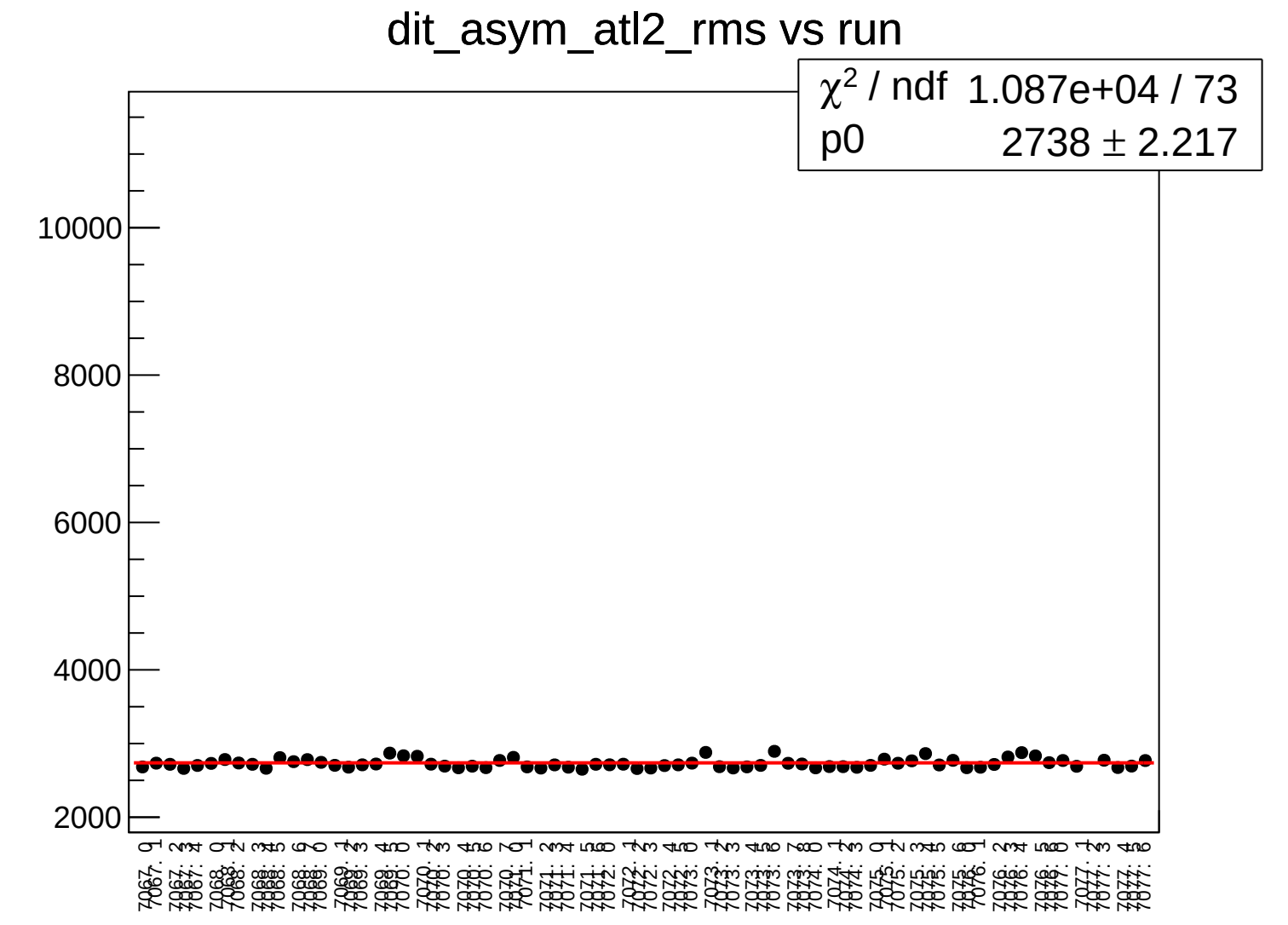

asym_atl1_mean vs run
×10^3
χ² / ndf 64.58 / 73
p0 −2486 ± 2902
100
50
0
−50
−100
pull
Entries 74
Mean 63.98
Std Dev 29.71
2
1
0
−1
−2

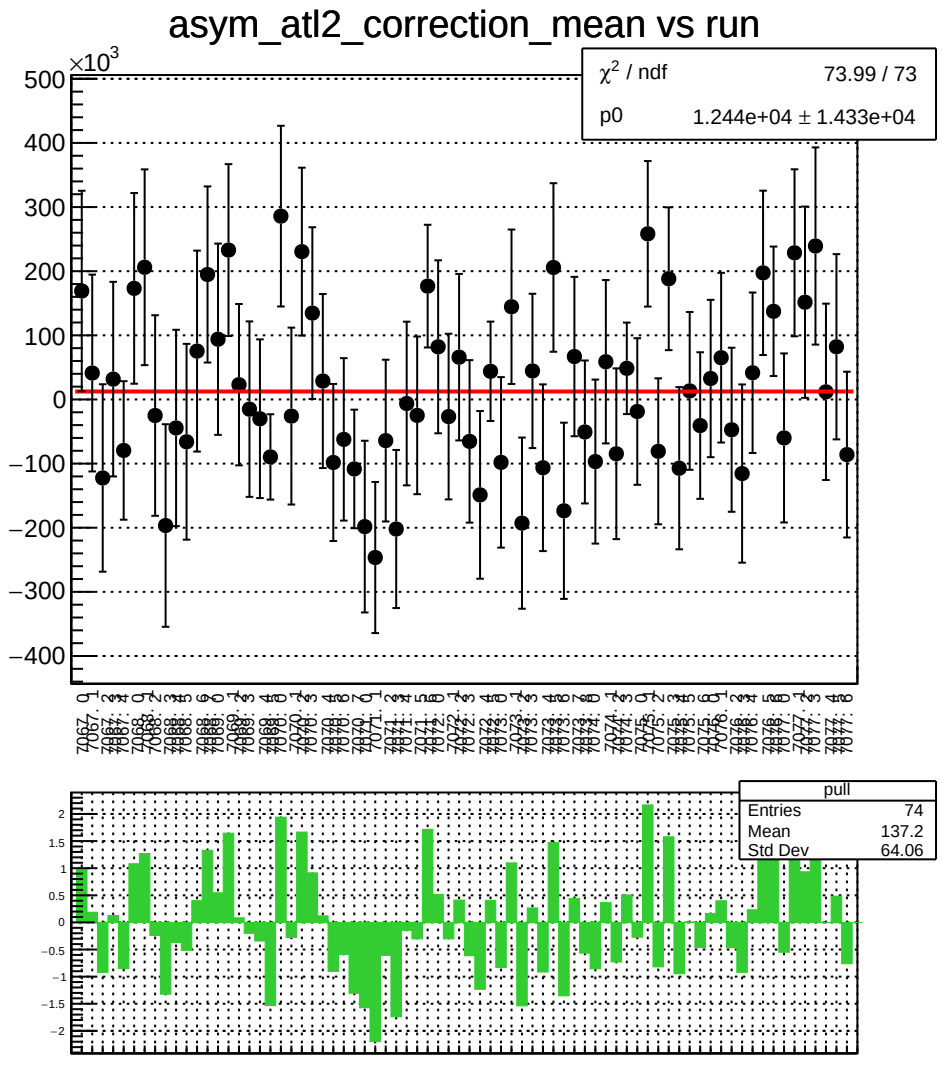

pull1D
Entries 74
Mean −0.01771
Std Dev 0.934
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

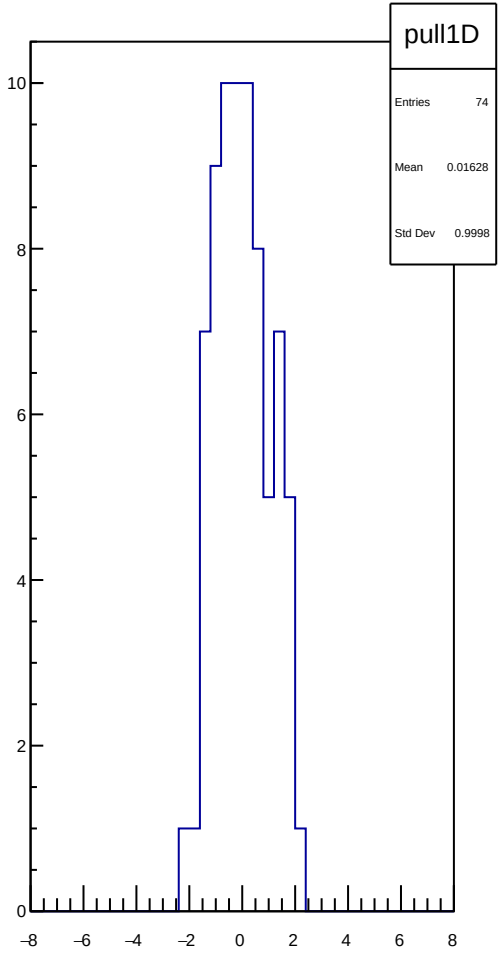

asym_atl1_rms vs run
χ² / ndf 267.2 / 73
p0 2542 ± 2.052
2650
2600
2550
2500
2450

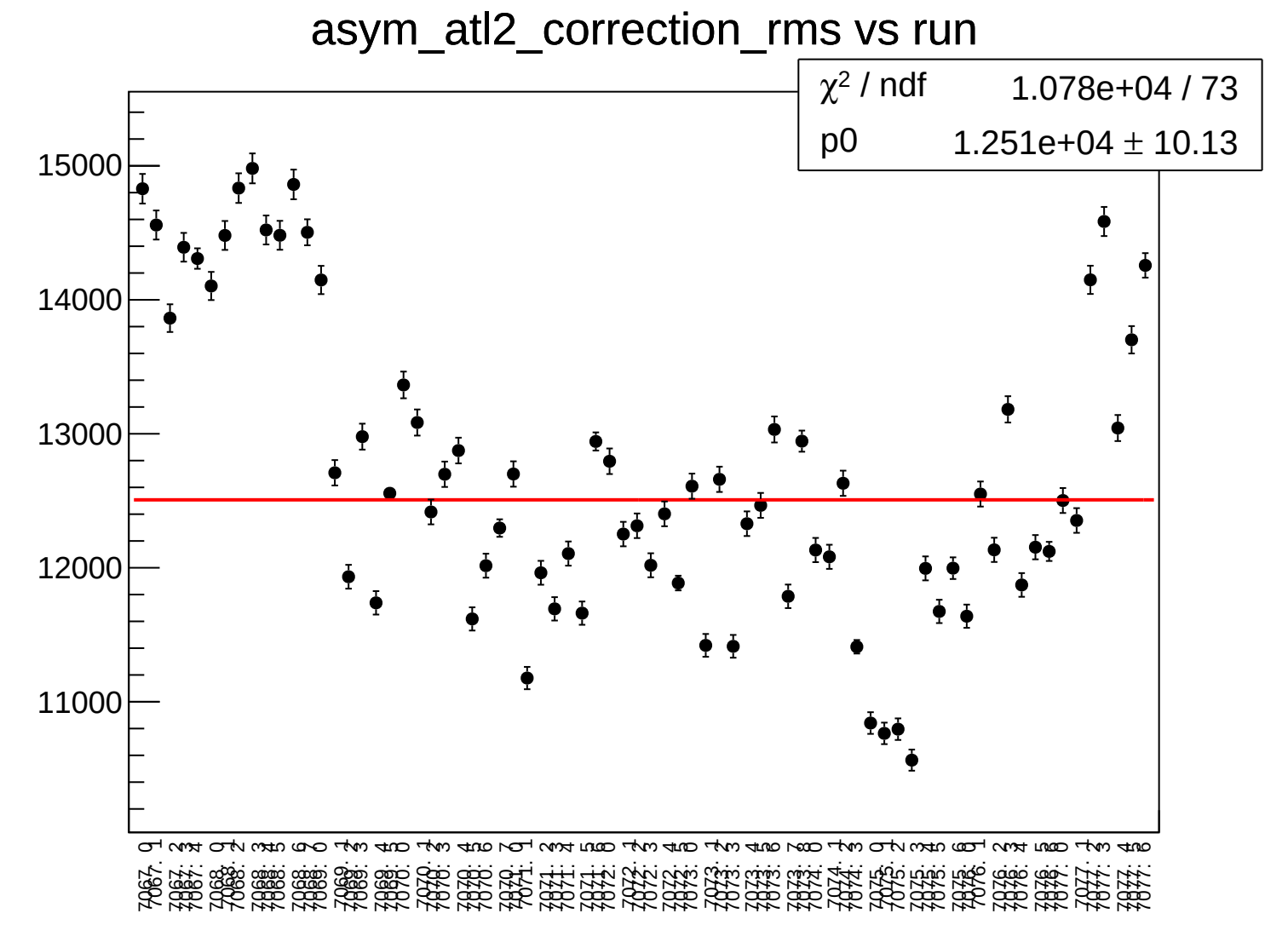

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 71.61 / 73
p0 −4968 ± 3136
pull
Entries 74
Mean 40.98
Std Dev 49.14

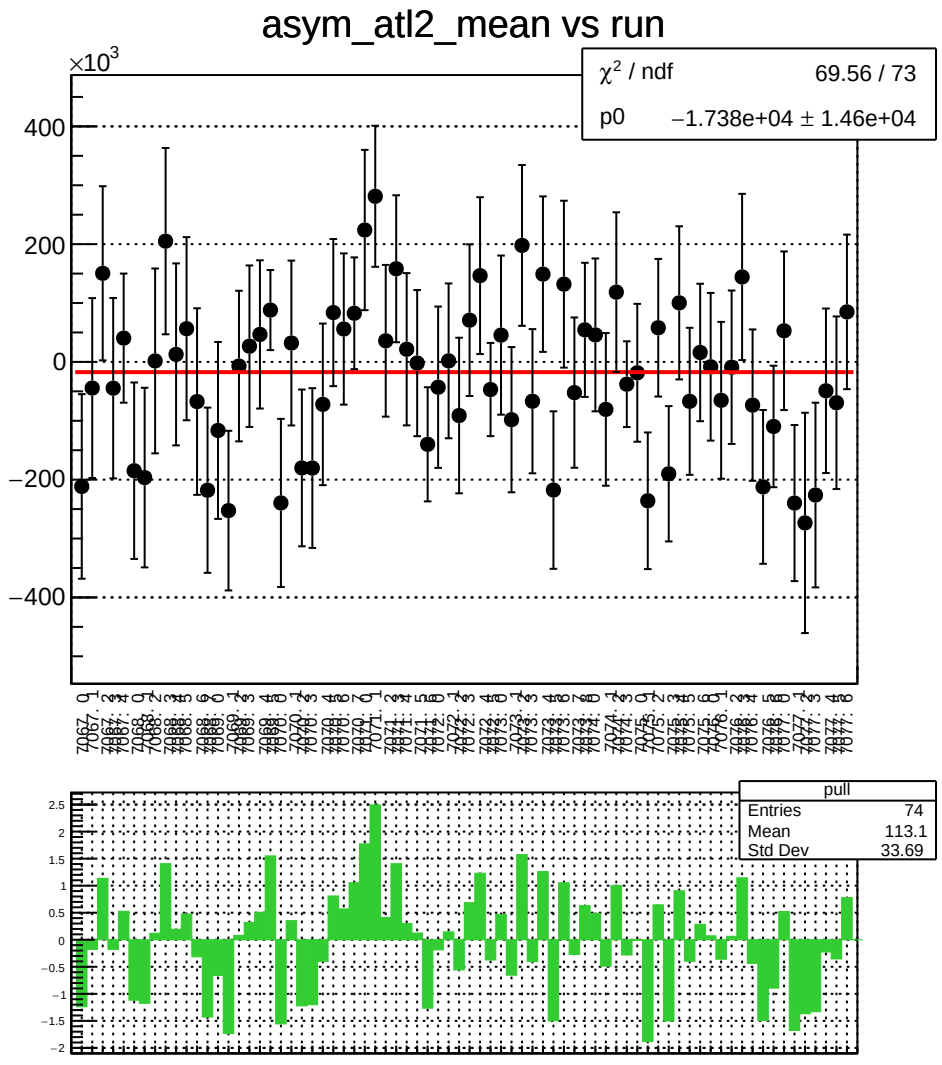

pull1D
Entries 74
Mean −0.02195
Std Dev 0.9835

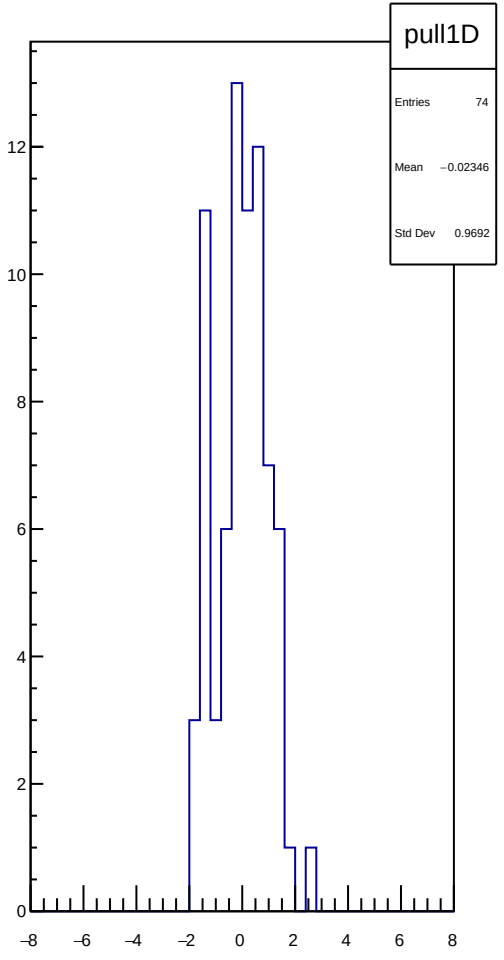

dit_asym_atl2_rms vs run
χ² / ndf 1.087e+04 / 73
p0 2738 ± 2.217
10000
8000
6000
4000
2000

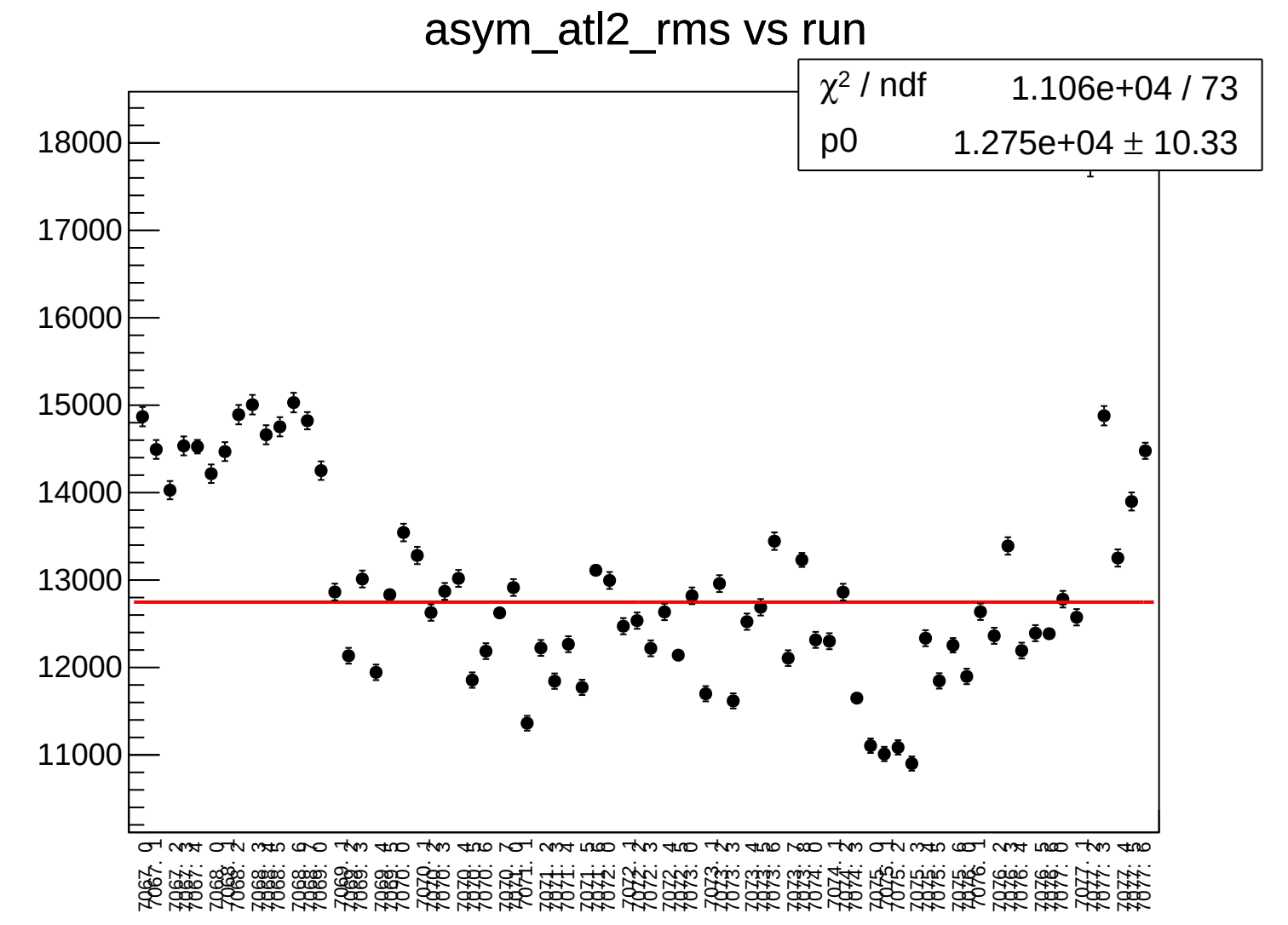

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 73.99 / 73
p0 1.244e+04 ± 1.433e+04
pull
Entries 74
Mean 137.2
Std Dev 64.06

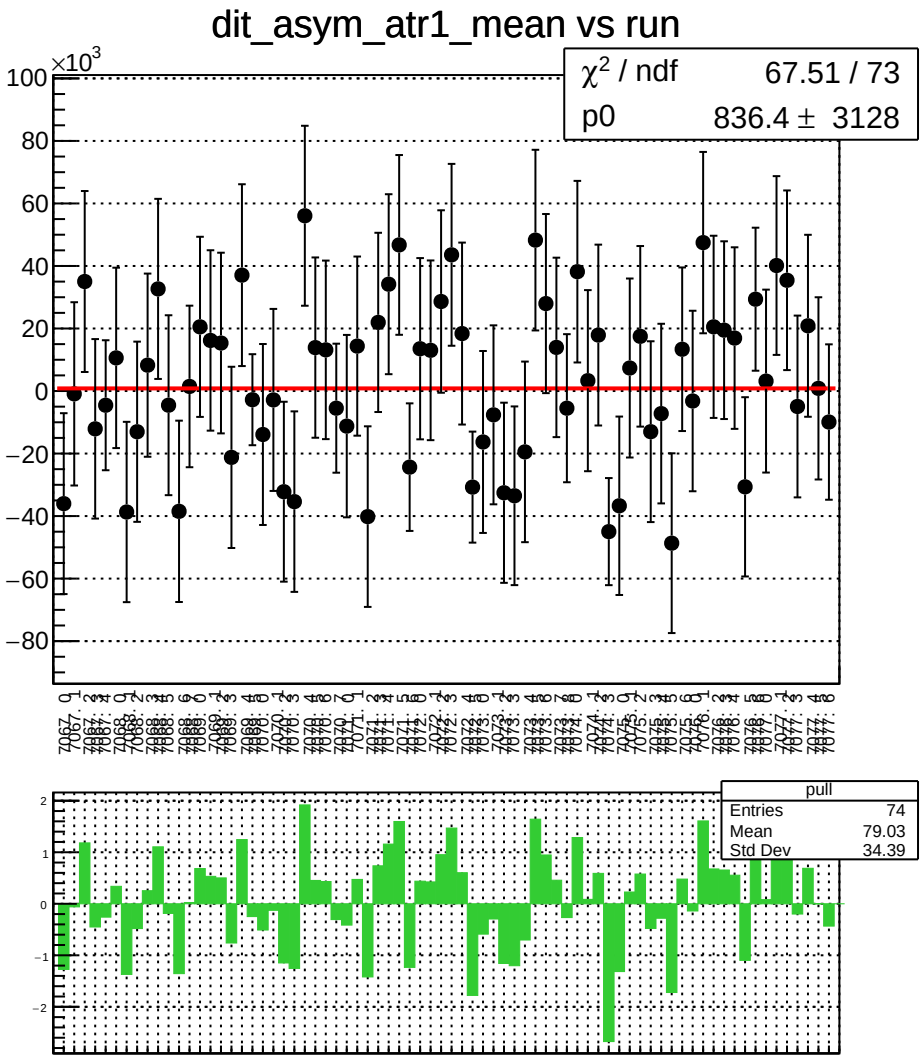

pull1D
Entries 74
Mean 0.01628
Std Dev 0.9998

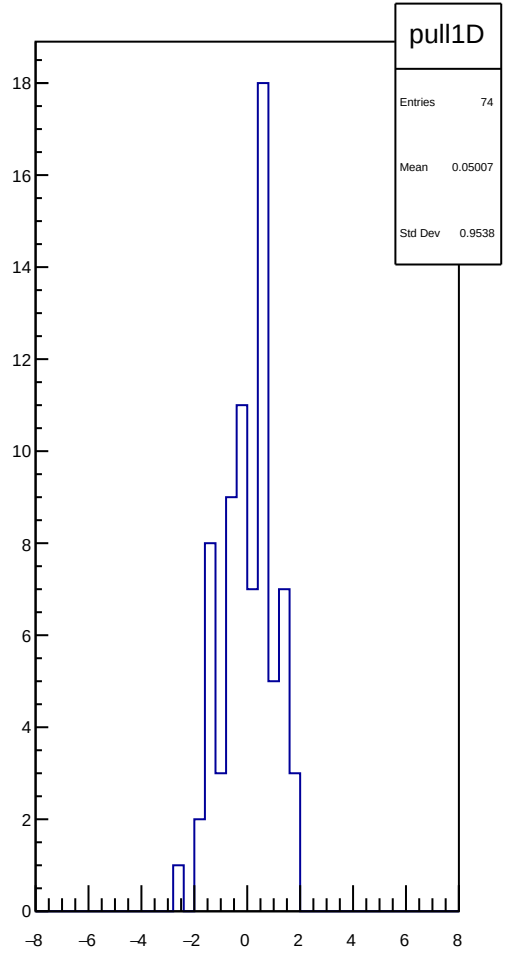

asym_atl2_correction_rms vs run
χ² / ndf 1.078e+04 / 73
p0 1.251e+04 ± 10.13
15000
14000
13000
12000
11000

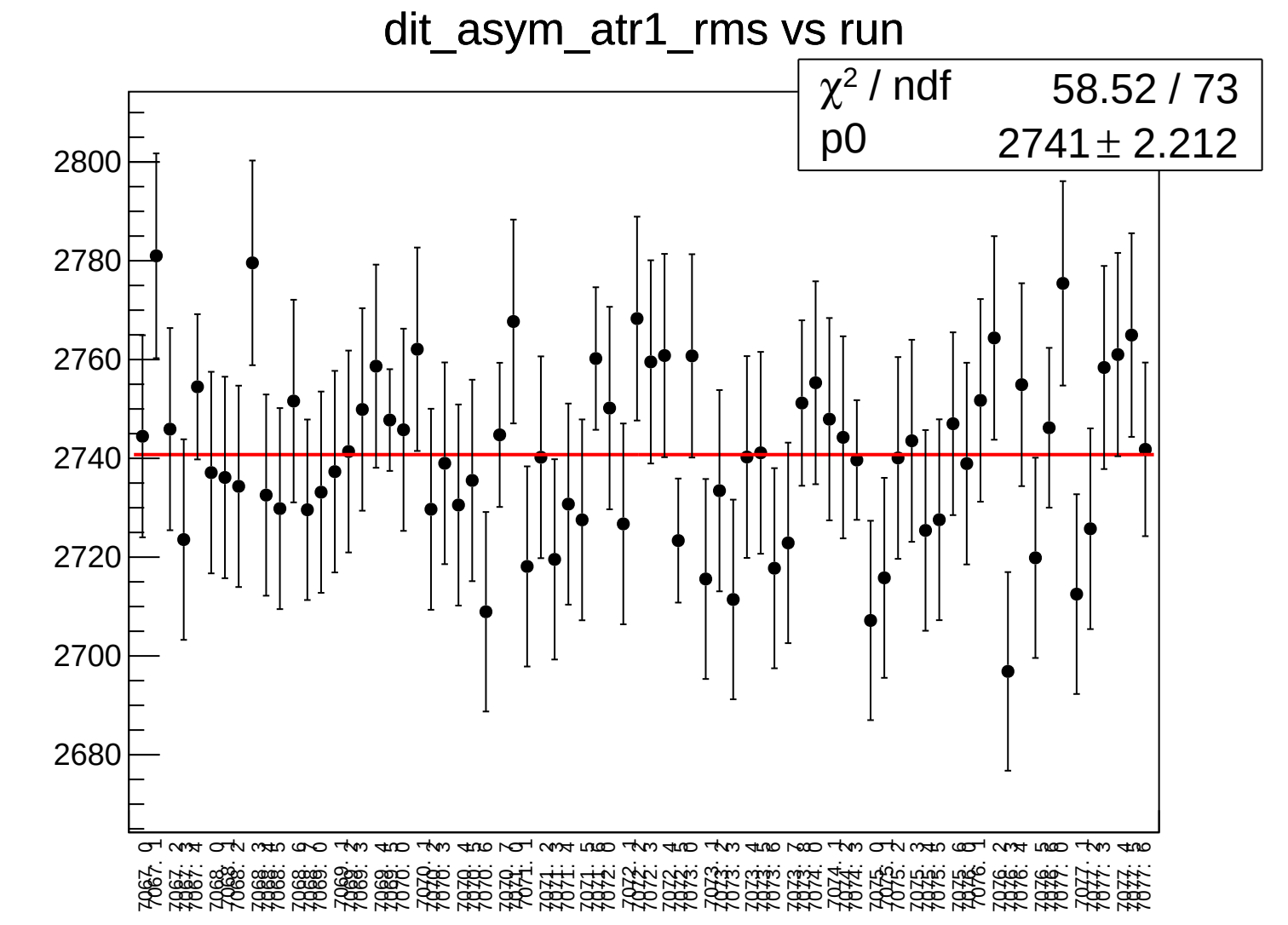

asym_atl2_mean vs run
×10^3
χ² / ndf 69.56 / 73
p0 −1.738e+04 ± 1.46e+04
400
200
0
−200
−400
pull
Entries 74
Mean 113.1
Std Dev 33.69
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

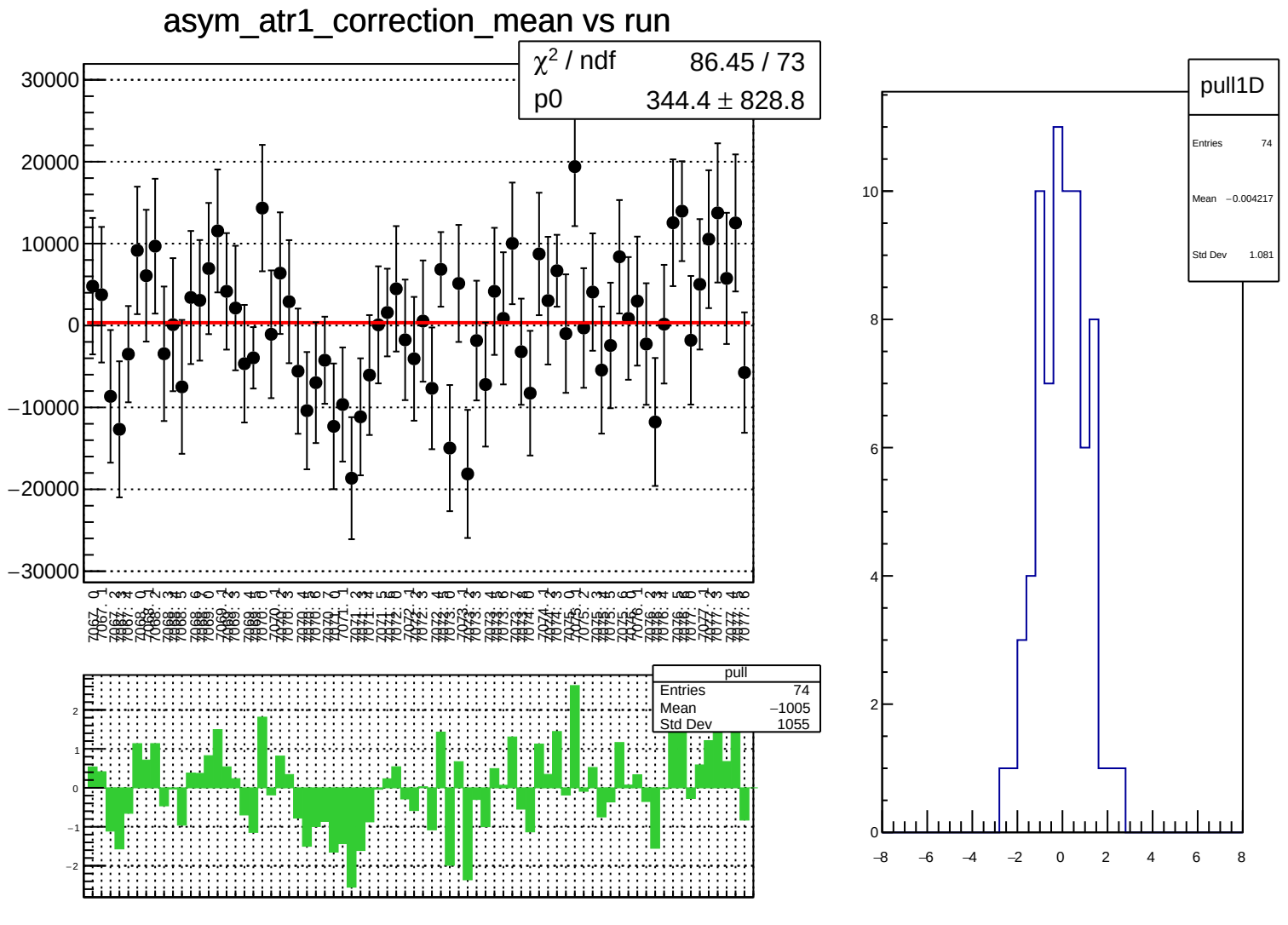

pull1D
Entries 74
Mean −0.02346
Std Dev 0.9692
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

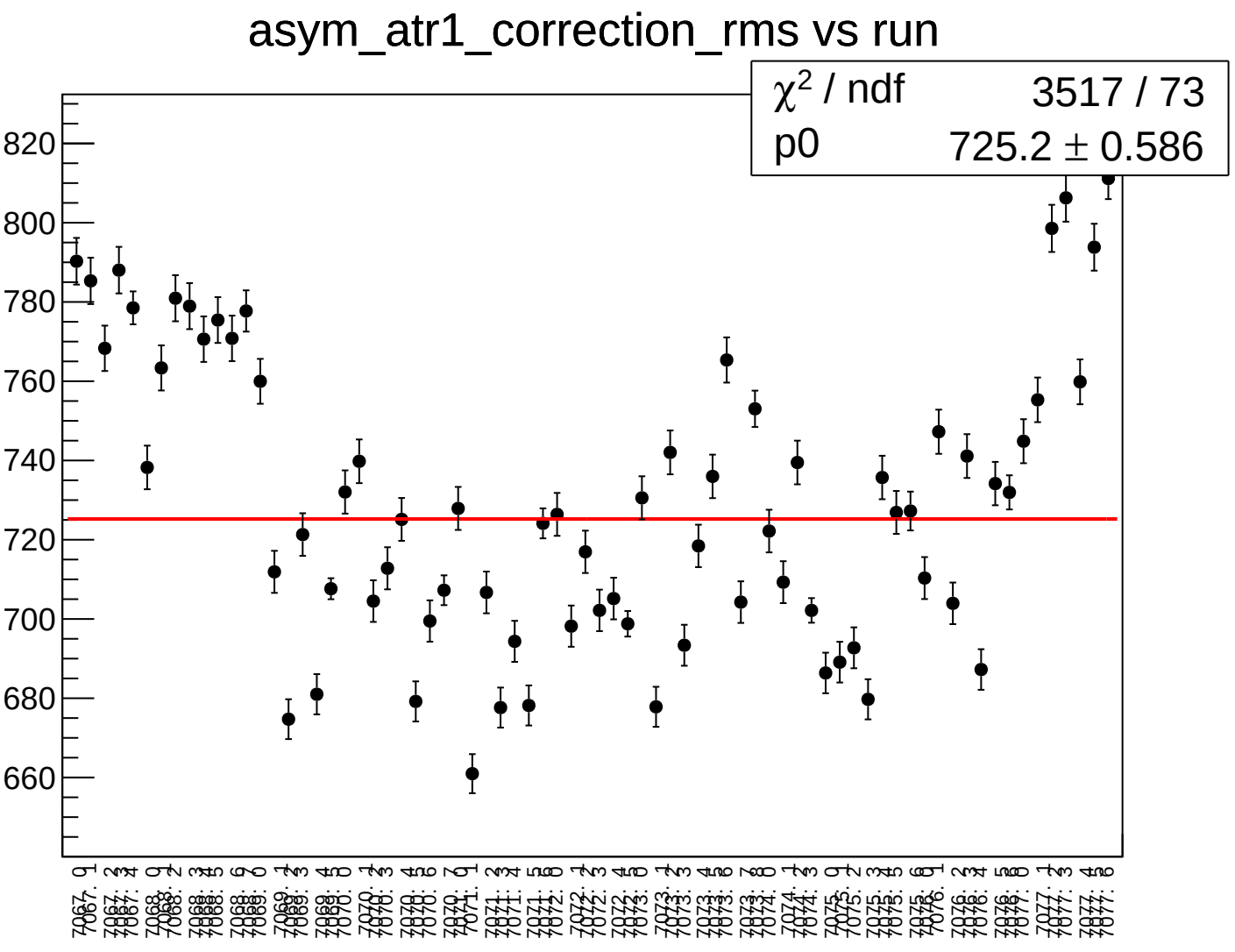

asym_atl2_rms vs run
χ² / ndf 1.106e+04 / 73
p0 1.275e+04 ± 10.33
18000
17000
16000
15000
14000
13000
12000
11000

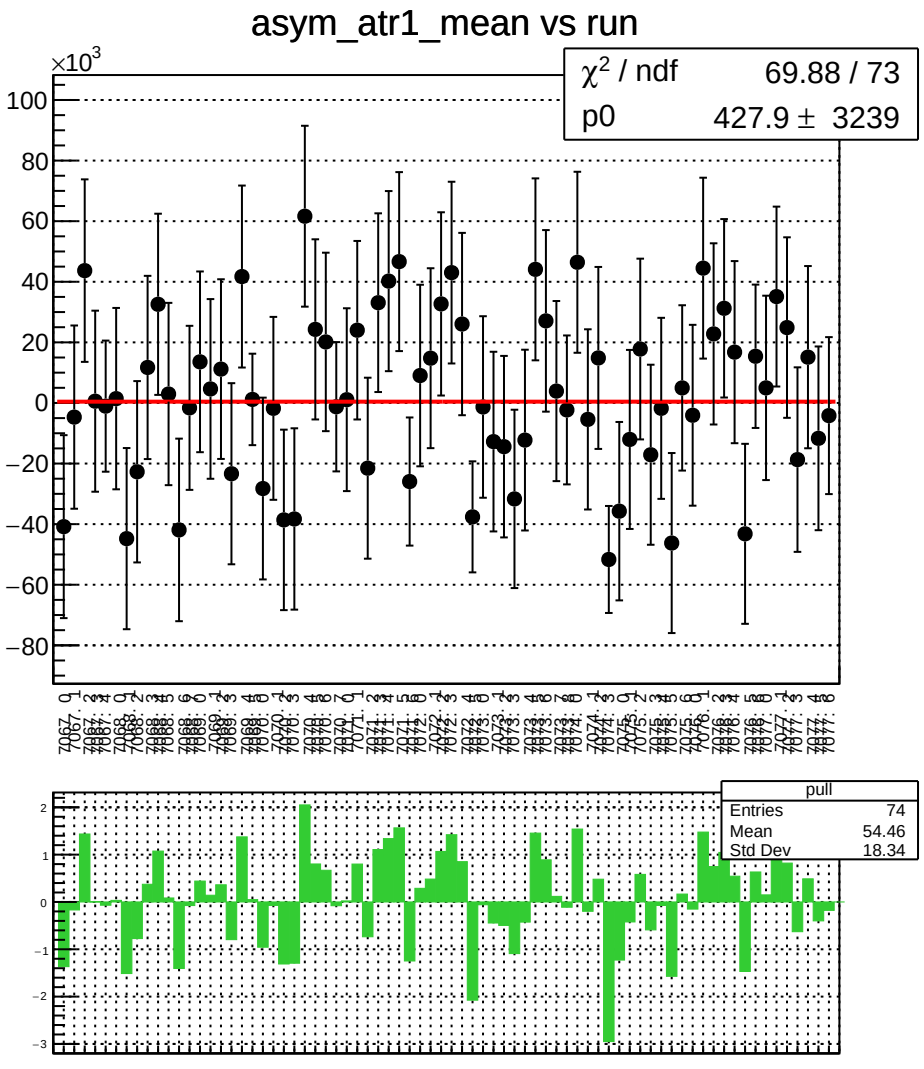

dit_asym_atr1_mean vs run
χ^2 / ndf 67.51 / 73
p0 836.4 ± 3128
×10^3
pull
Entries 74
Mean 79.03
Std Dev 34.39

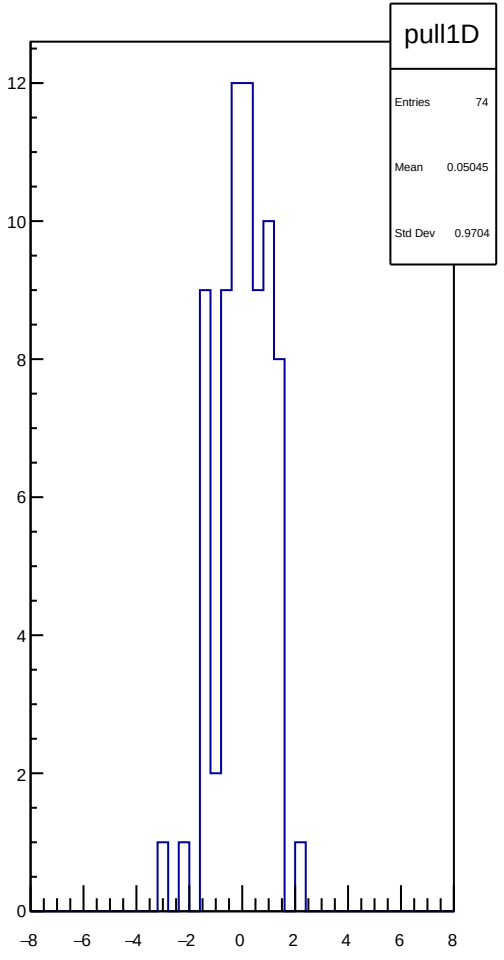

pull1D
Entries 74
Mean 0.05007
Std Dev 0.9538

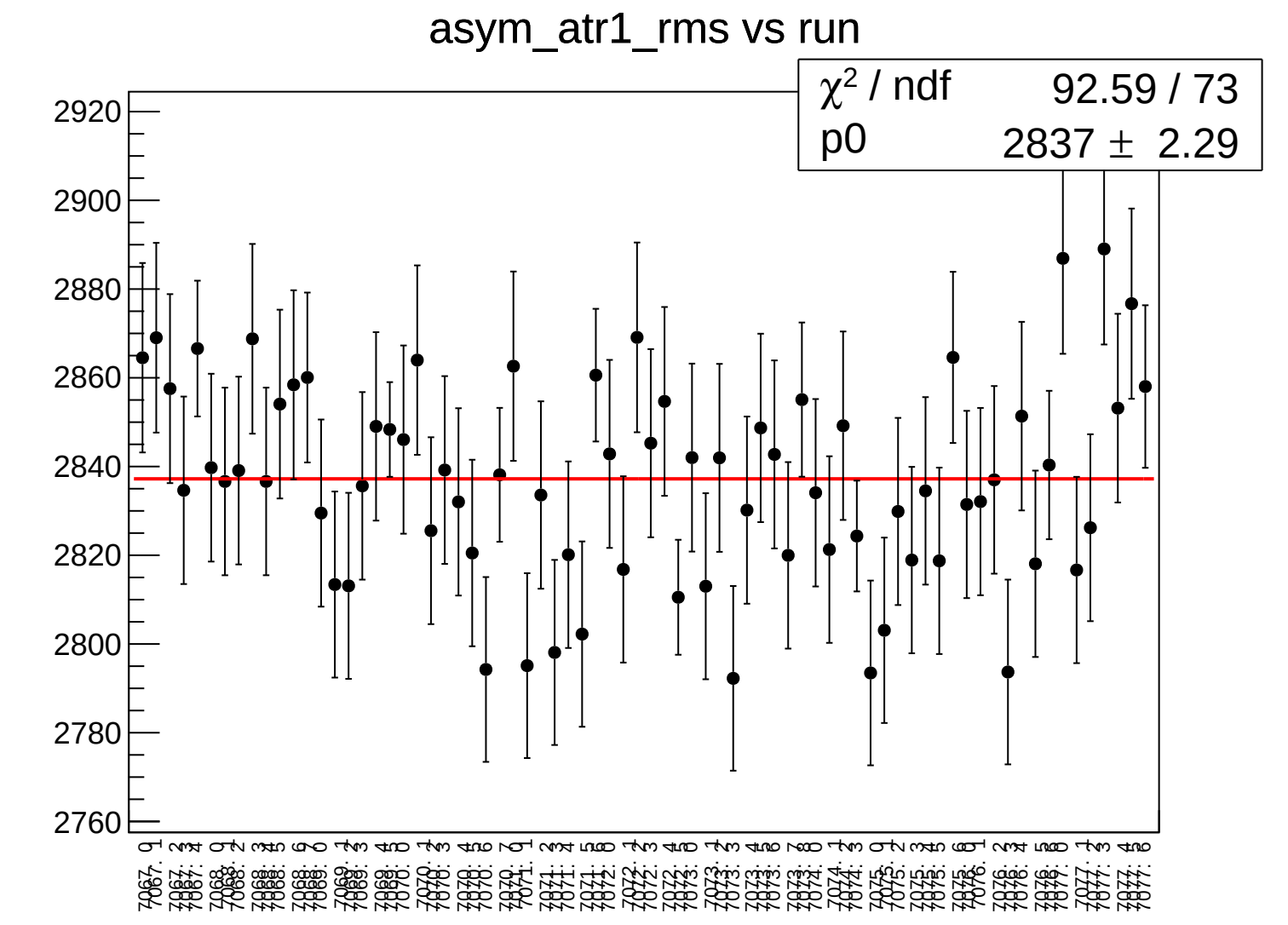

dit_asym_atr1_rms vs run
χ² / ndf 58.52 / 73
p0 2741 ± 2.212
2800
2780
2760
2740
2720
2700
2680

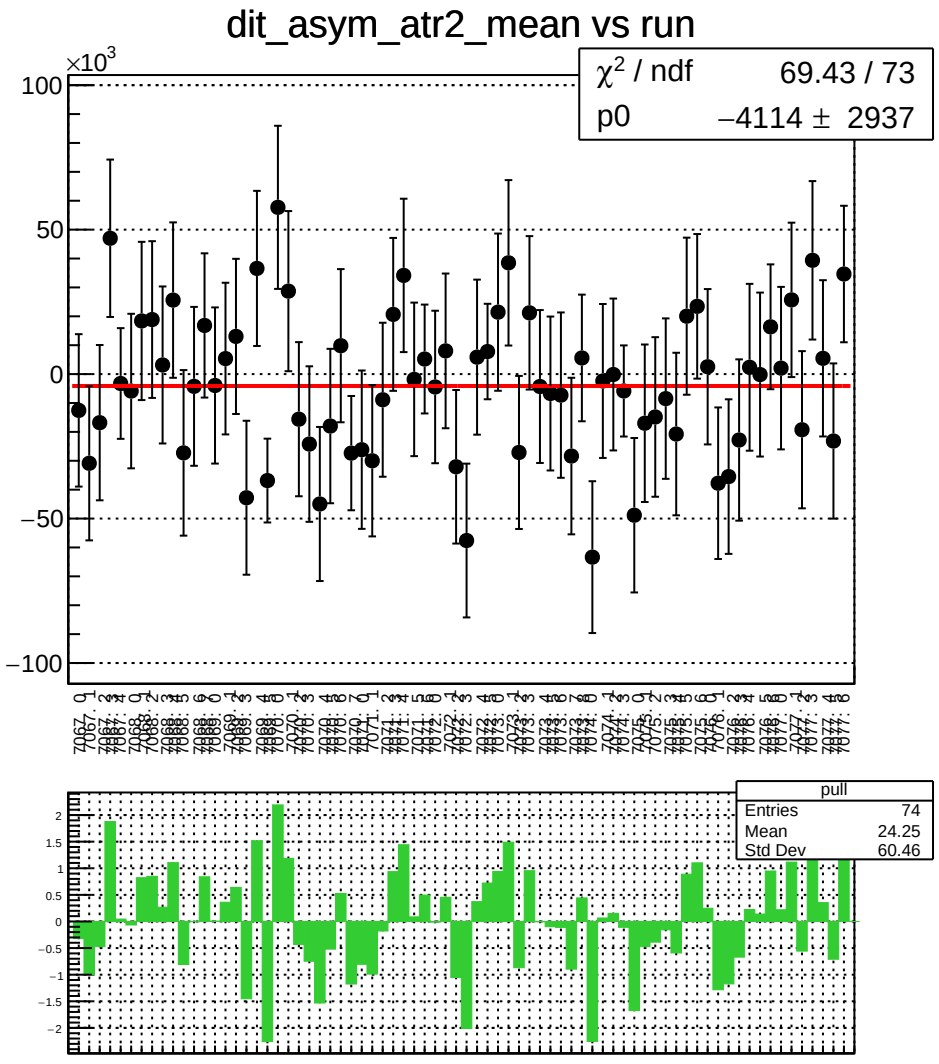

asym_atr1_correction_mean vs run
χ² / ndf 86.45 / 73
p0 344.4 ± 828.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean −1005
Std Dev 1055
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.004217
Std Dev 1.081
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

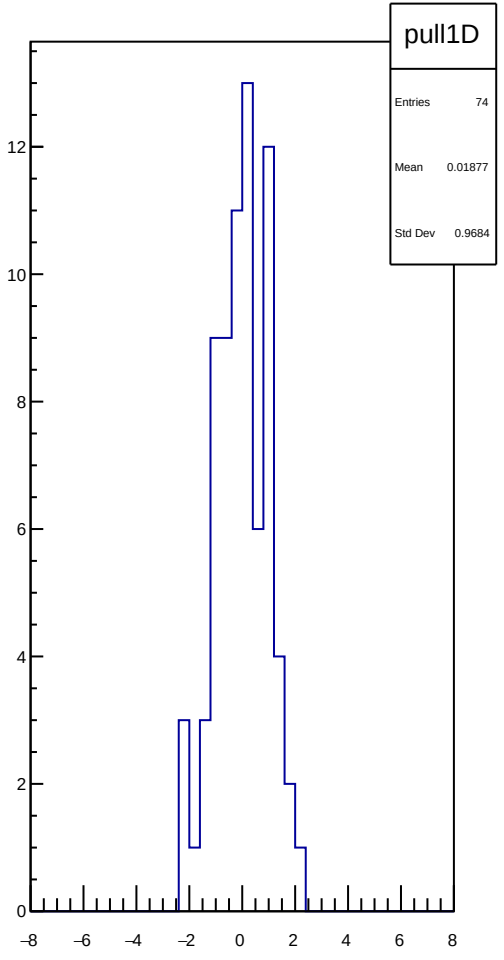

asym_atr1_correction_rms vs run
χ^2 / ndf 3517 / 73
p0 725.2 ± 0.586
820
800
780
760
740
720
700
680
660

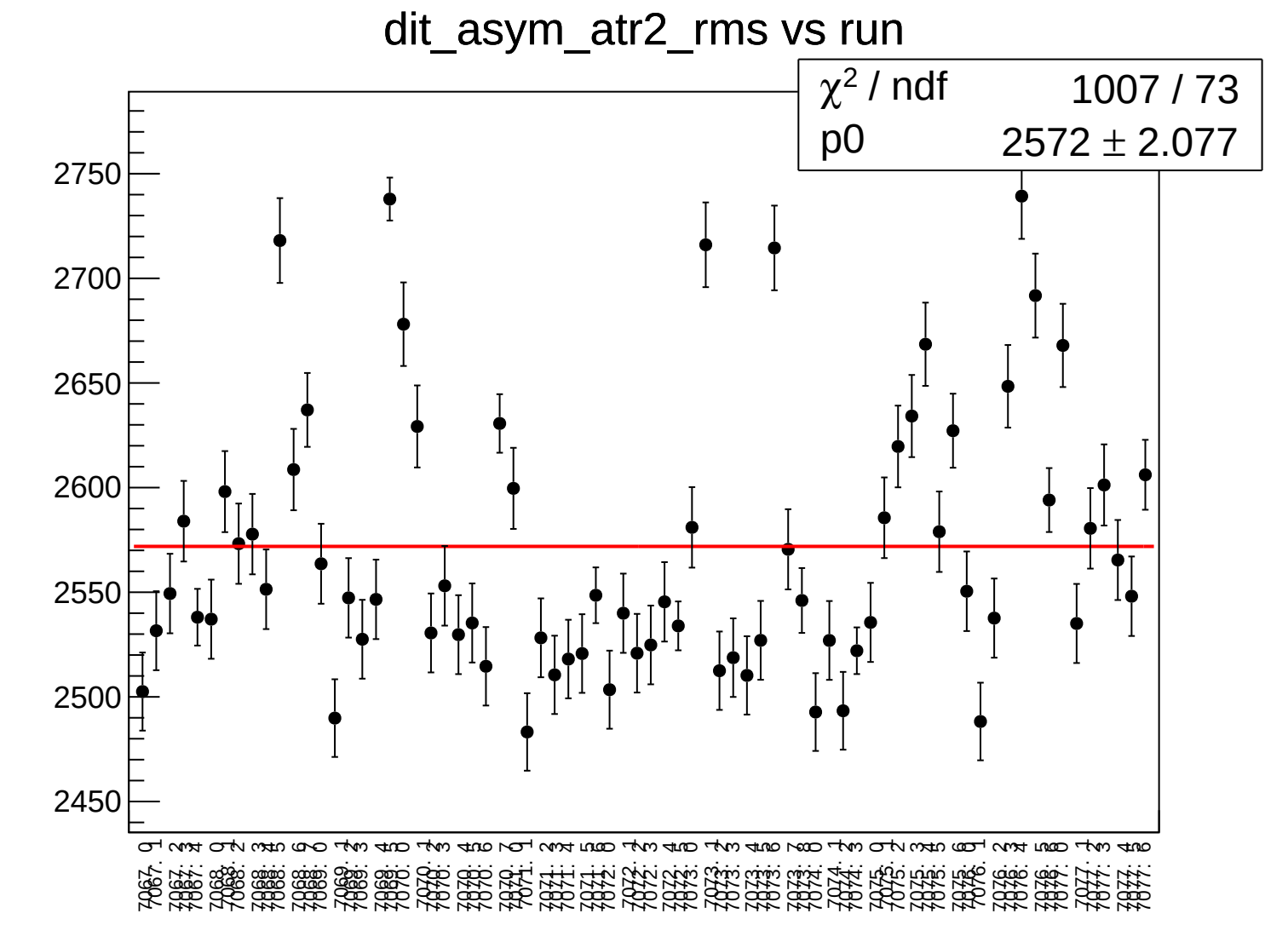

asym_atr1_mean vs run
×10^3
χ² / ndf 69.88 / 73
p0 427.9 ± 3239
pull
Entries 74
Mean 54.46
Std Dev 18.34

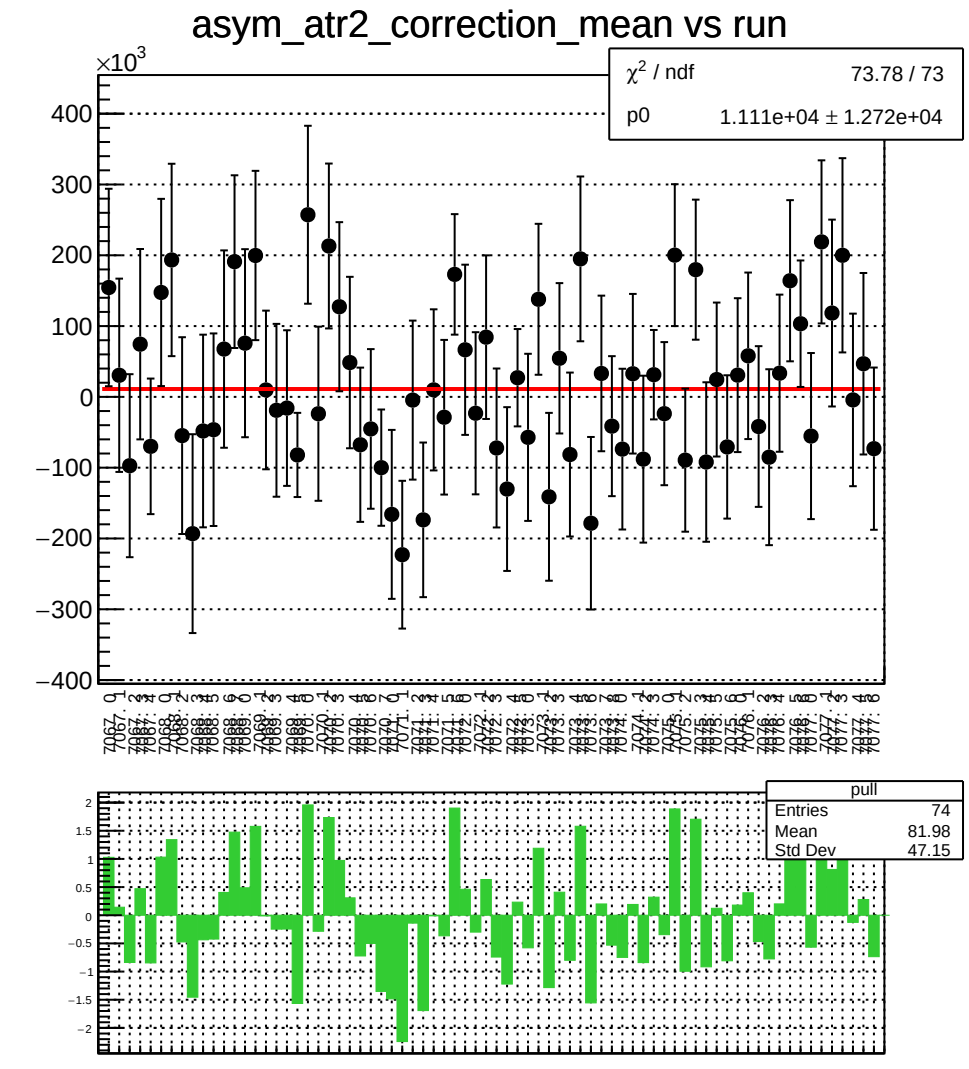

pull1D
Entries 74
Mean 0.05045
Std Dev 0.9704

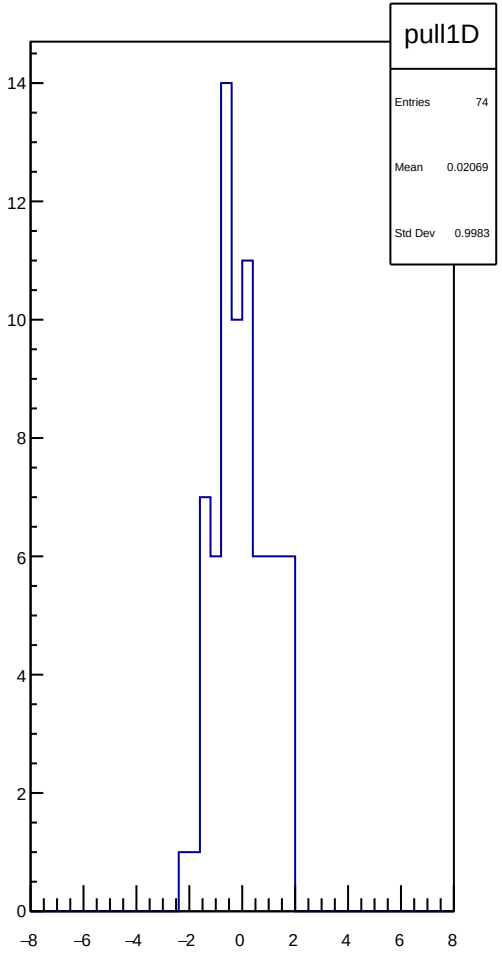

asym_atr1_rms vs run
χ² / ndf 92.59 / 73
p0 2837 ± 2.29
2920
2900
2880
2860
2840
2820
2800
2780
2760

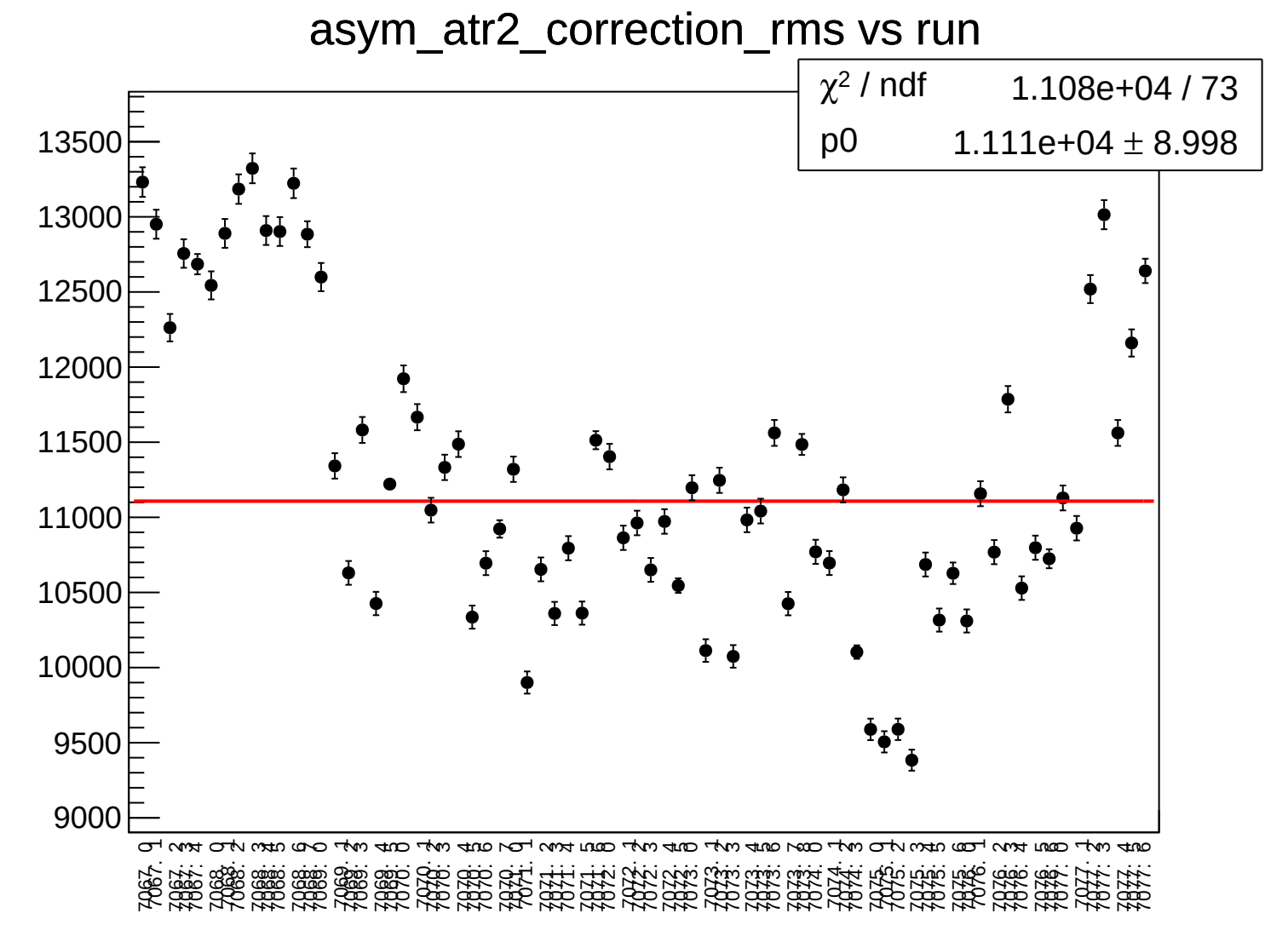

dit_asym_atr2_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 69.43 / 73
p0 −4114 ± 2937
pull
Entries 74
Mean 24.25
Std Dev 60.46
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

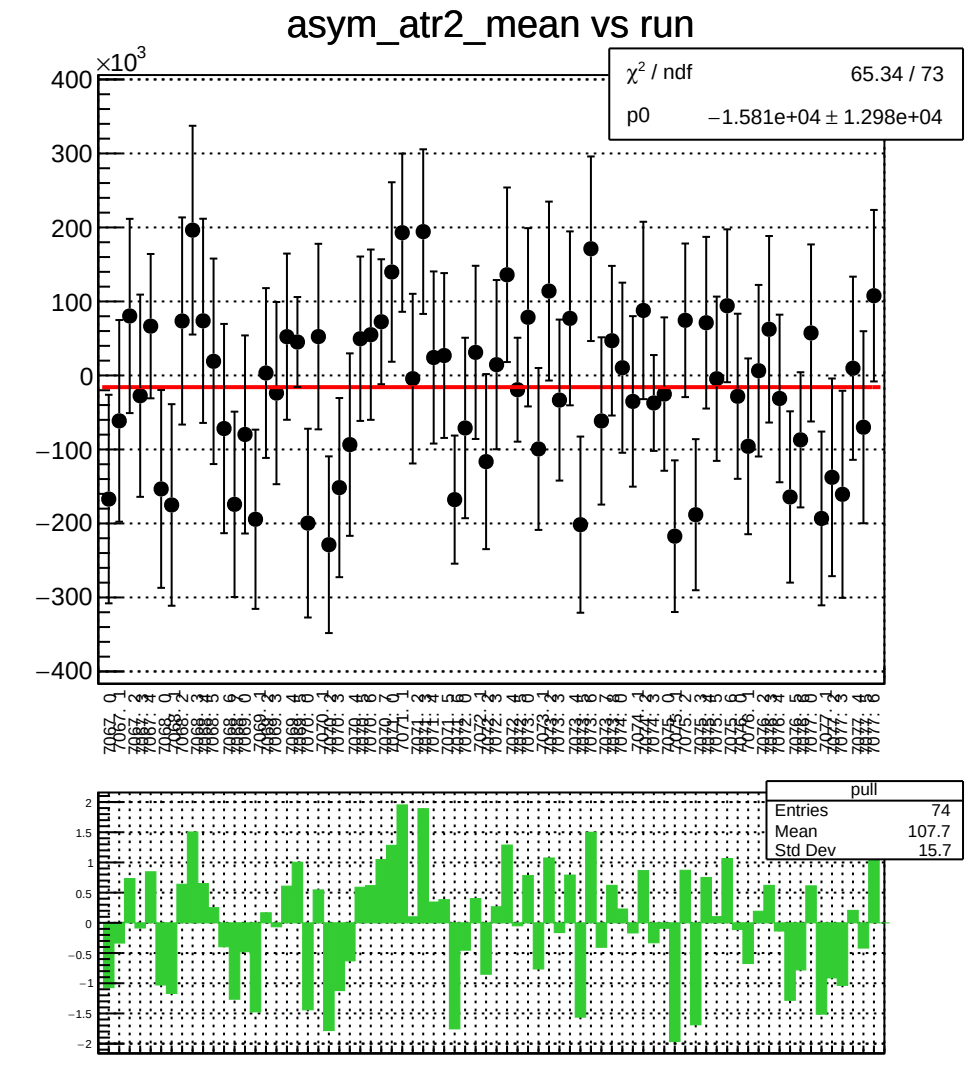

pull1D
Entries 74
Mean 0.01877
Std Dev 0.9684
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

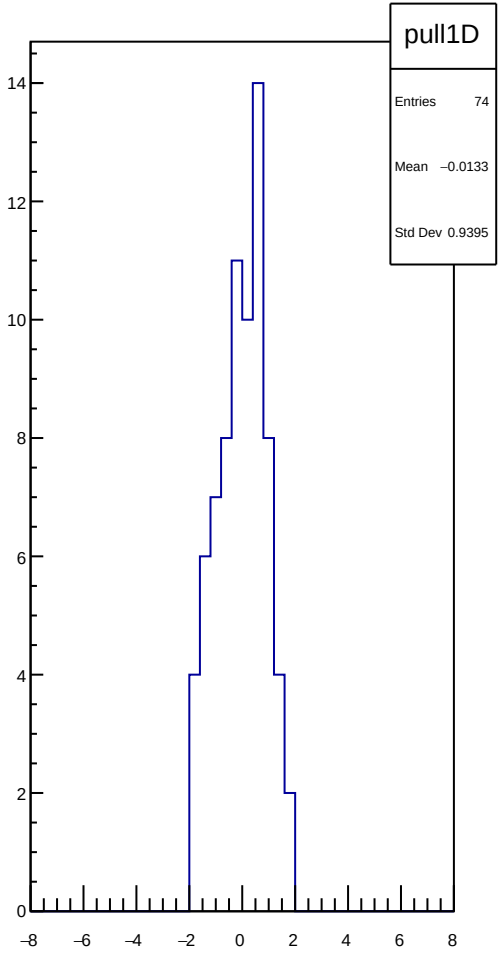

dit_asym_atr2_rms vs run
χ^2 / ndf 1007 / 73
p0 2572 ± 2.077
2750
2700
2650
2600
2550
2500
2450

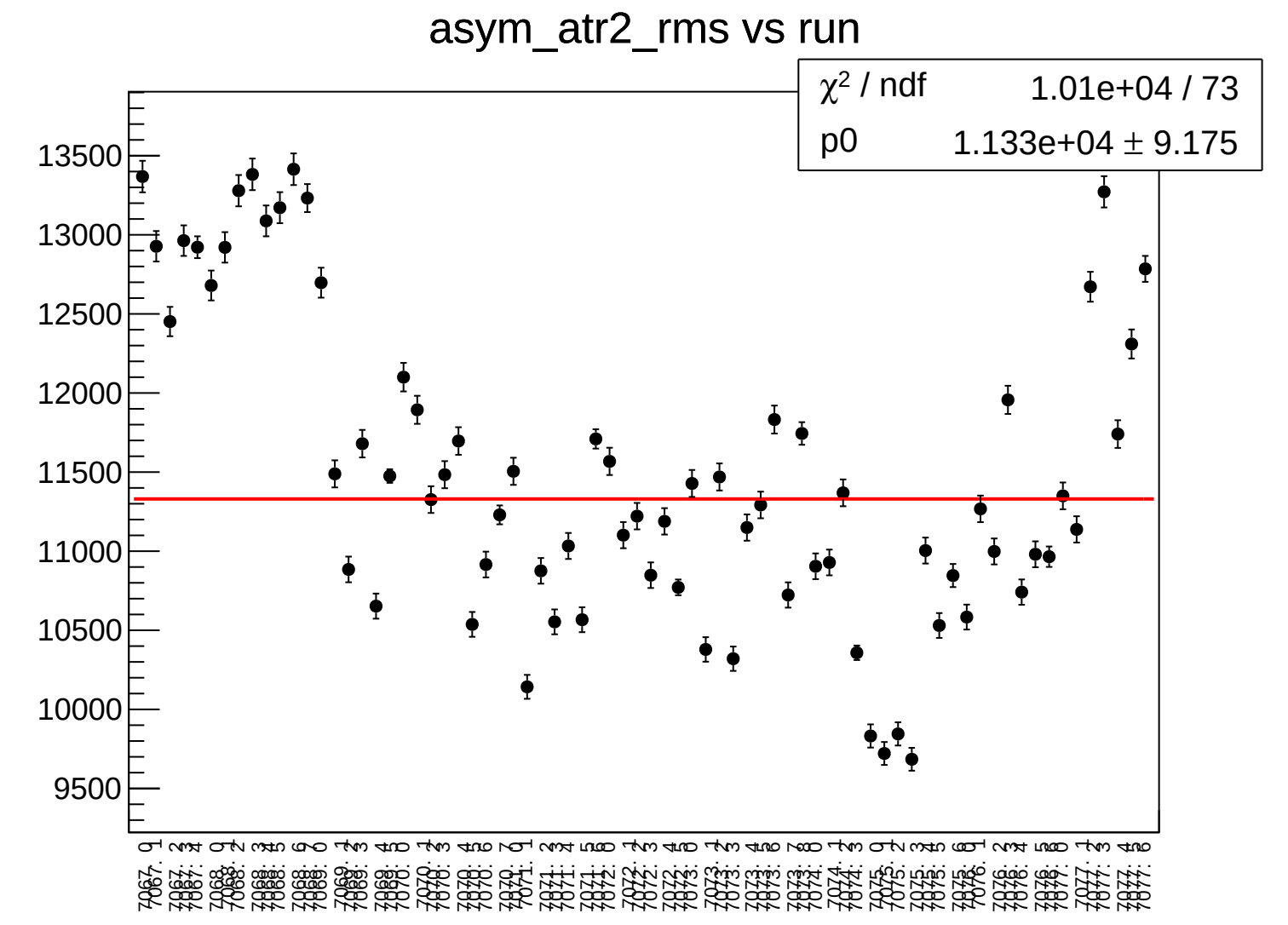

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 73.78 / 73
p0 1.111e+04 ± 1.272e+04
pull
Entries 74
Mean 81.98
Std Dev 47.15

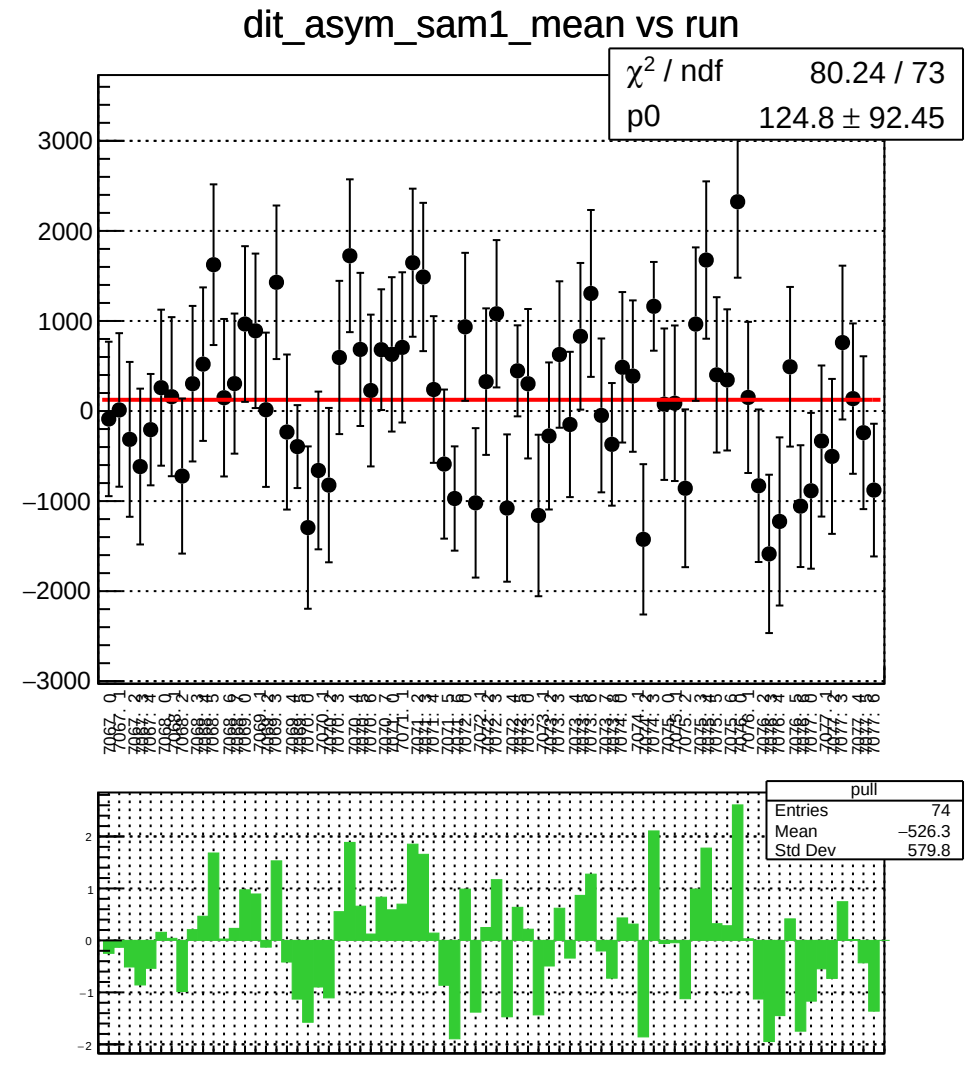

pull1D
Entries 74
Mean 0.02069
Std Dev 0.9983

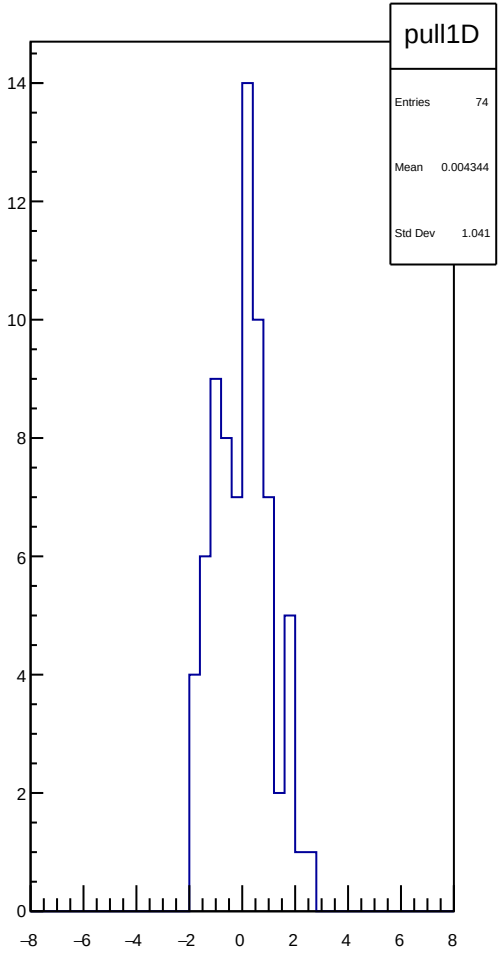

asym_atr2_correction_rms vs run
χ² / ndf 1.108e+04 / 73
p0 1.111e+04 ± 8.998
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000

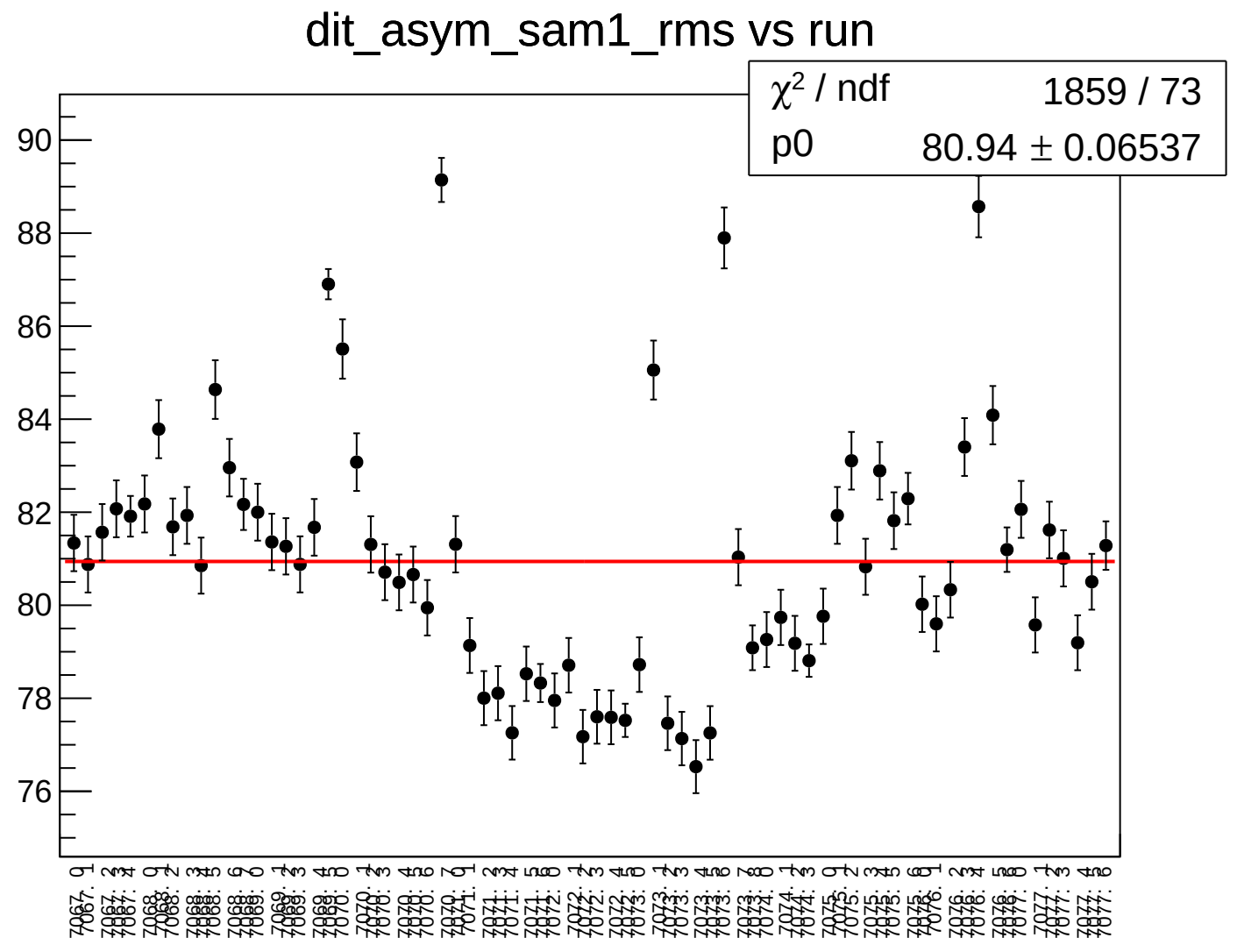

asym_atr2_mean vs run
×10^3
χ² / ndf 65.34 / 73
p0 −1.581e+04 ± 1.298e+04
pull
Entries 74
Mean 107.7
Std Dev 15.7

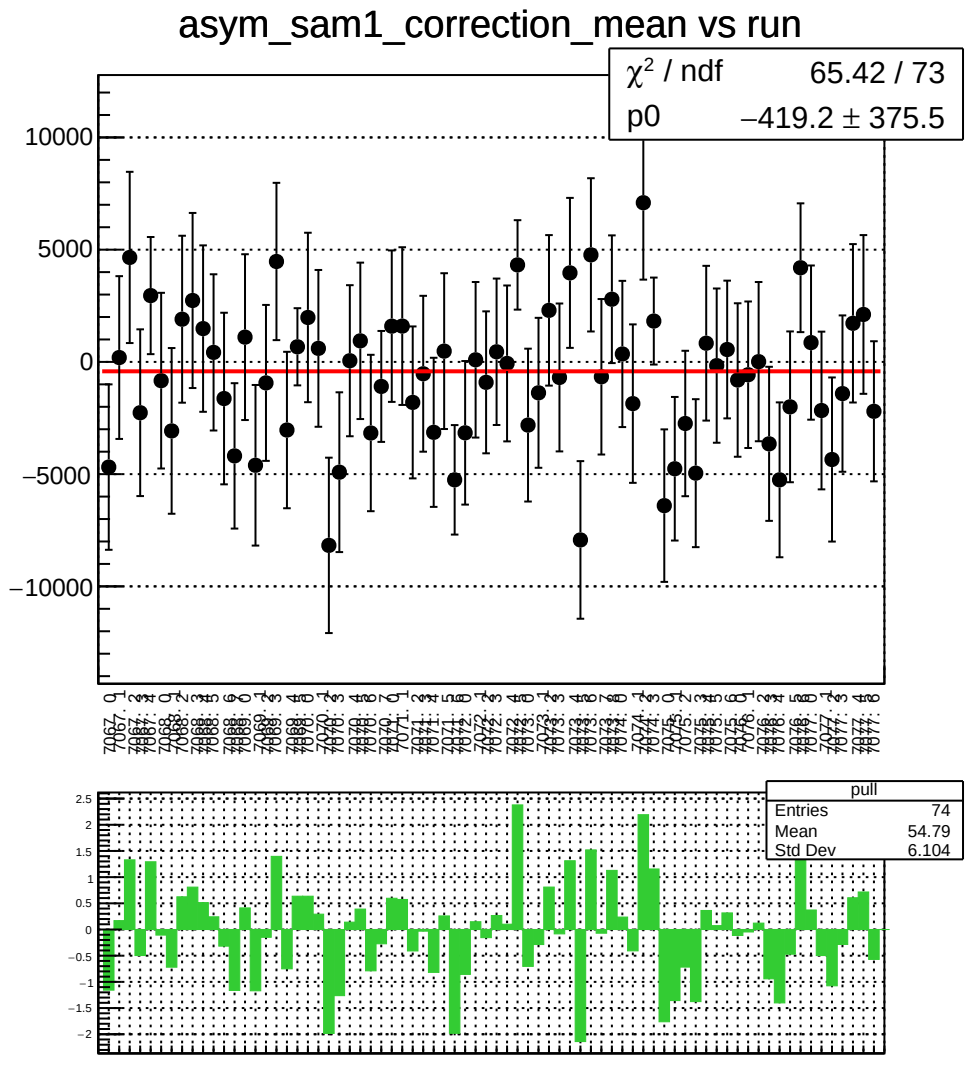

pull1D
Entries 74
Mean −0.0133
Std Dev 0.9395

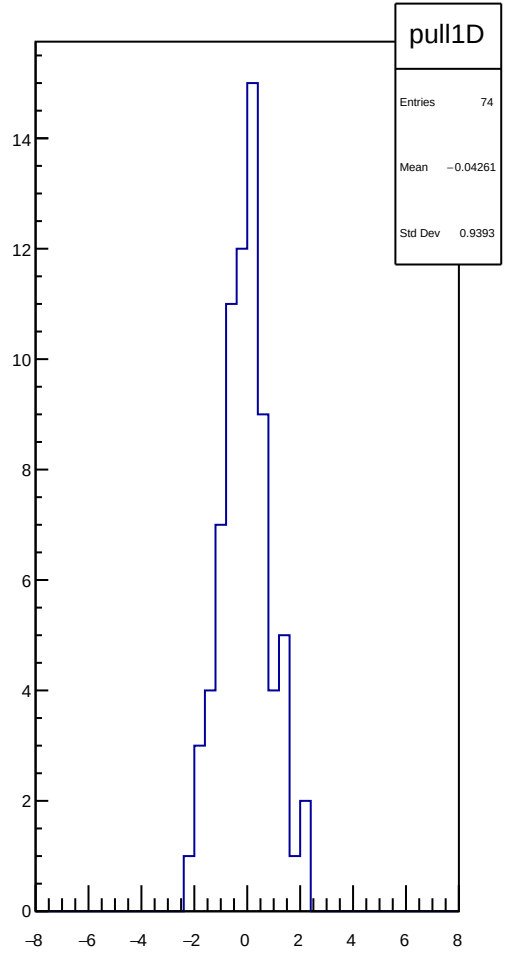

asym_atr2_rms vs run
χ² / ndf 1.01e+04 / 73
p0 1.133e+04 ± 9.175
13500
13000
12500
12000
11500
11000
10500
10000
9500

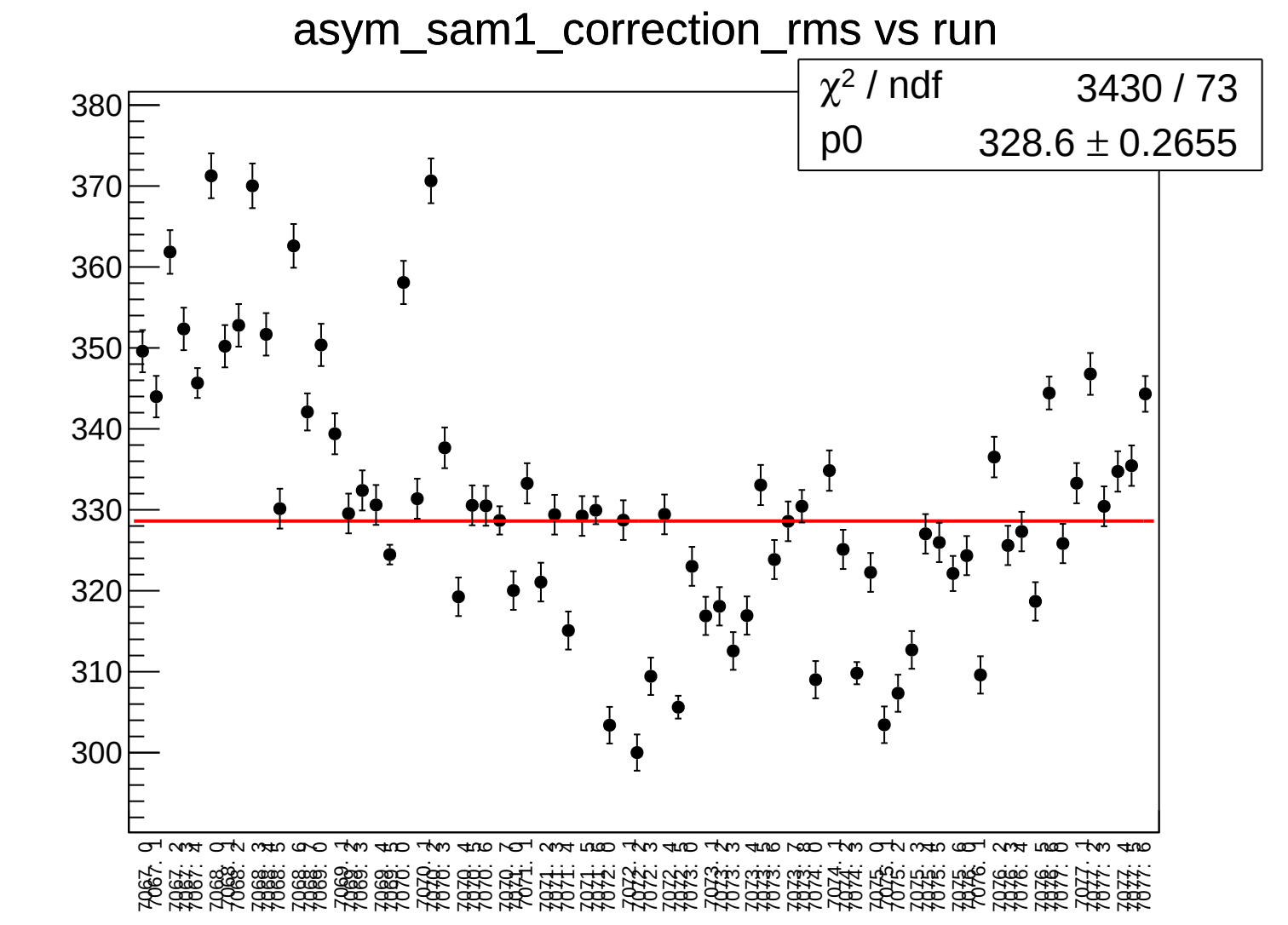

dit_asym_sam1_mean vs run
χ^2 / ndf 80.24 / 73
p0 124.8 ± 92.45
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 74
Mean −526.3
Std Dev 579.8
2
1
0
−1
−2

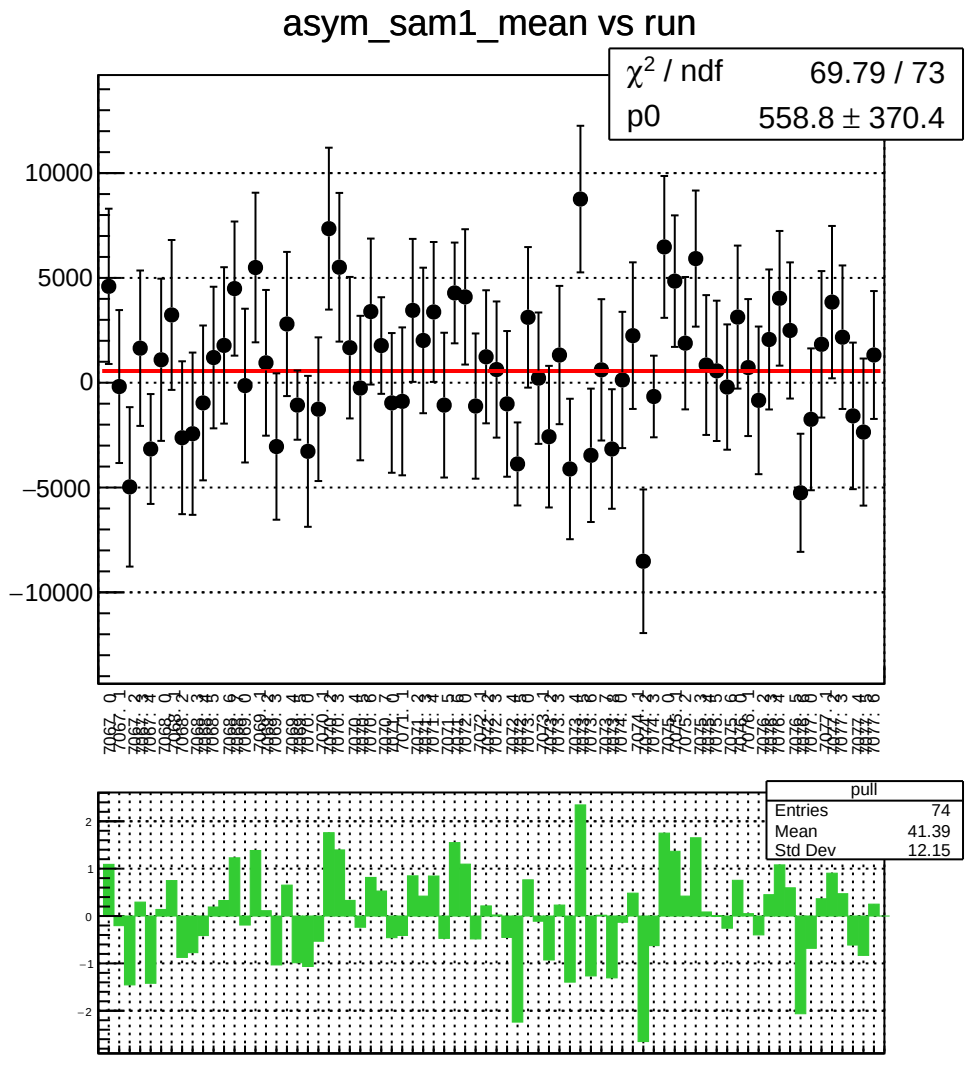

pull1D
Entries 74
Mean 0.004344
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

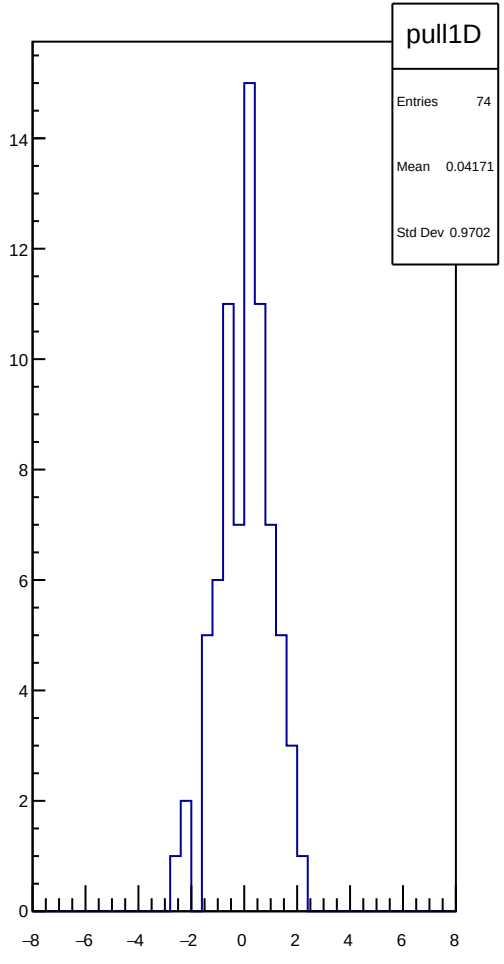

dit_asym_sam1_rms vs run
χ^2 / ndf 1859 / 73
p0 80.94 ± 0.06537
90
88
86
84
82
80
78
76

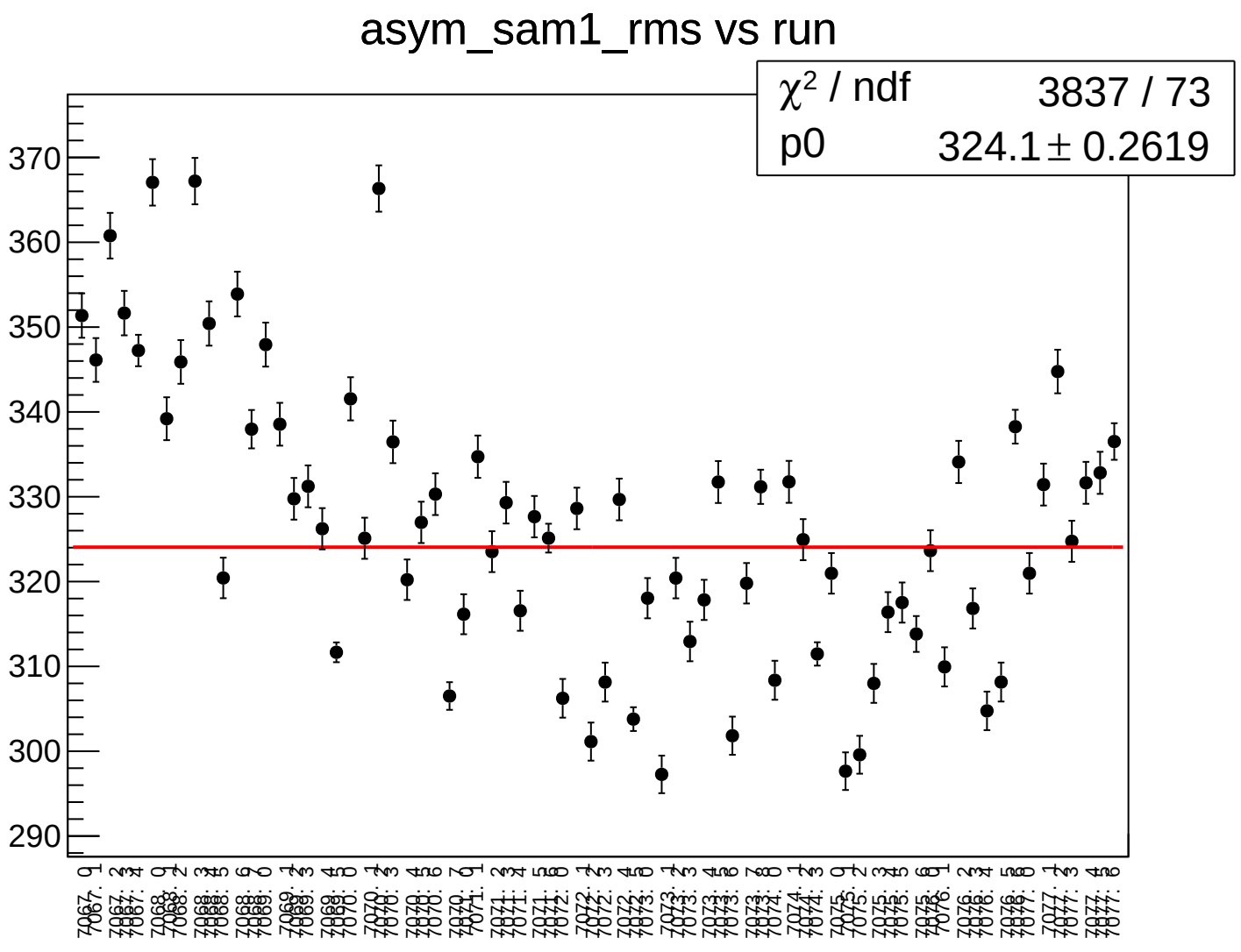

asym_sam1_correction_mean vs run
χ² / ndf 65.42 / 73
p0 −419.2 ± 375.5
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 54.79
Std Dev 6.104
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

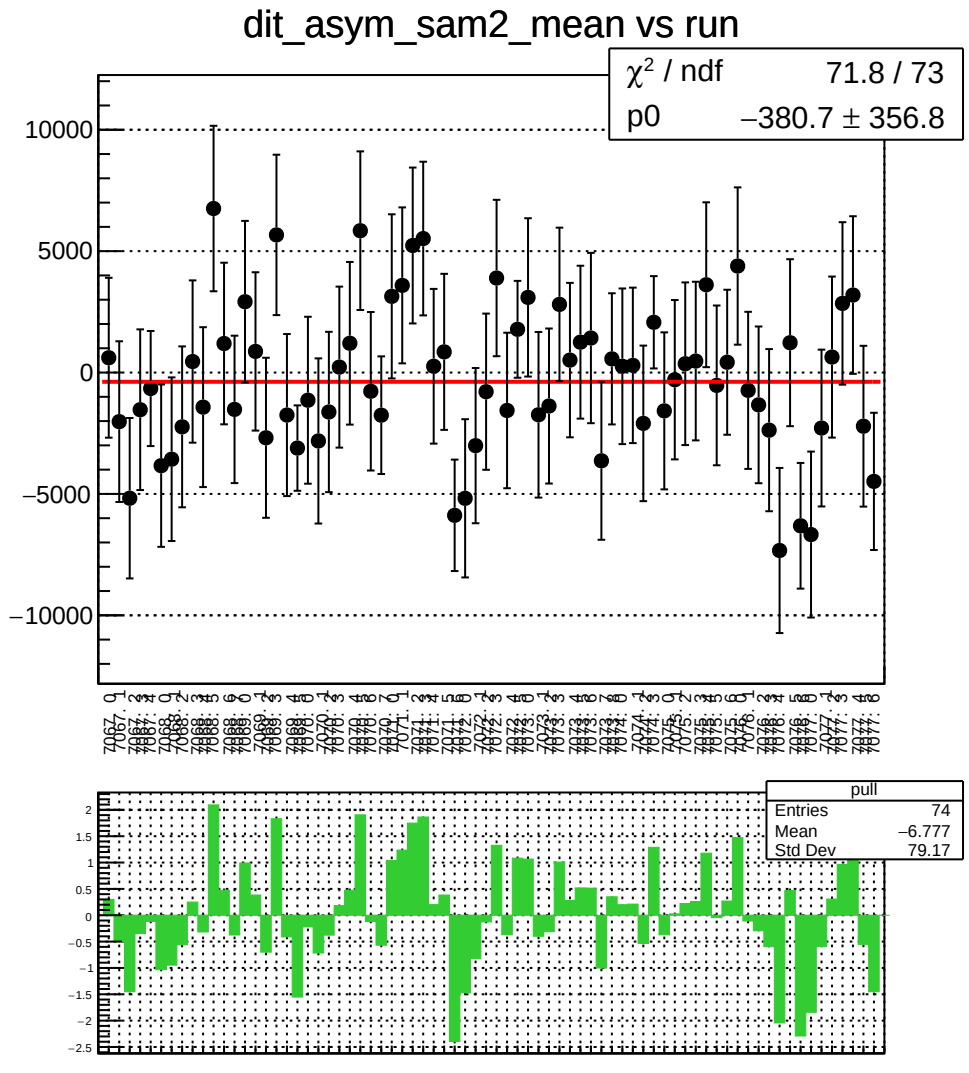

pull1D
Entries 74
Mean −0.04261
Std Dev 0.9393
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

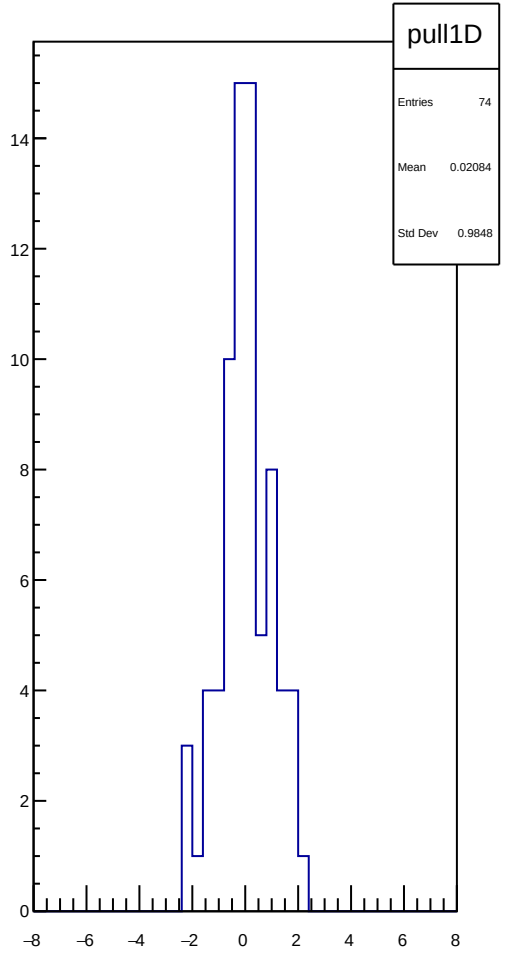

asym_sam1_correction_rms vs run
χ² / ndf 3430 / 73
p0 328.6 ± 0.2655
380
370
360
350
340
330
320
310
300

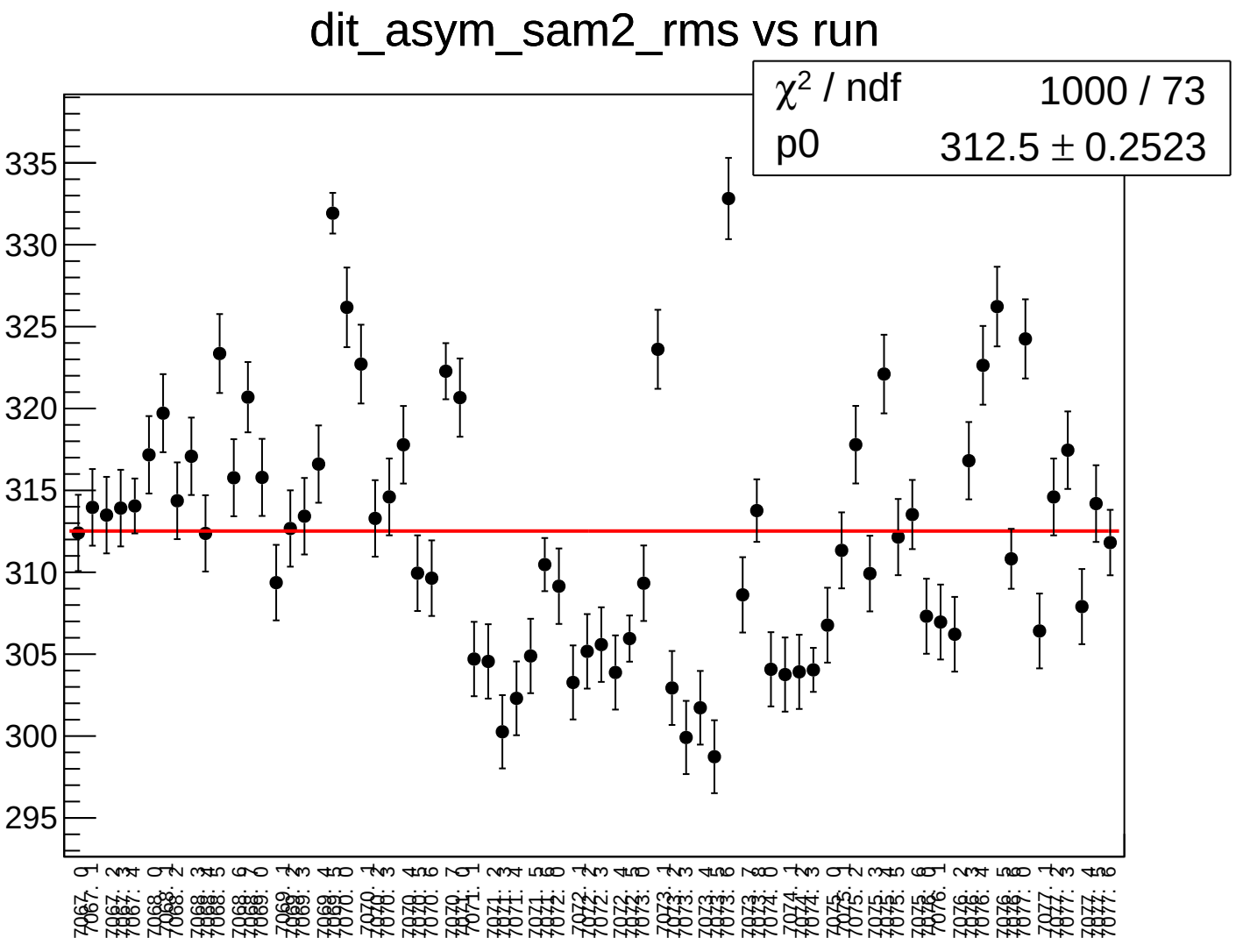

asym_sam1_mean vs run
χ² / ndf 69.79 / 73
p0 558.8 ± 370.4
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 41.39
Std Dev 12.15
2
1
0
−1
−2

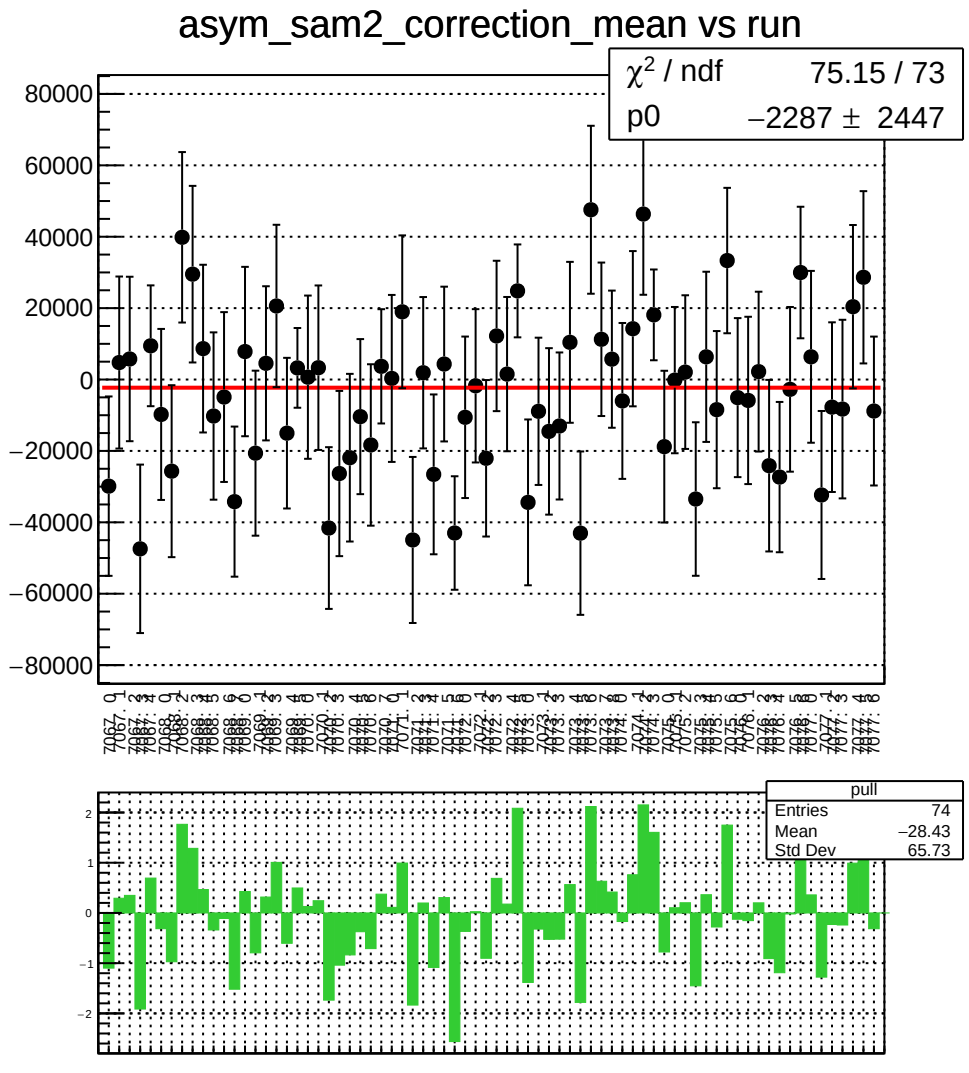

pull1D
Entries 74
Mean 0.04171
Std Dev 0.9702
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

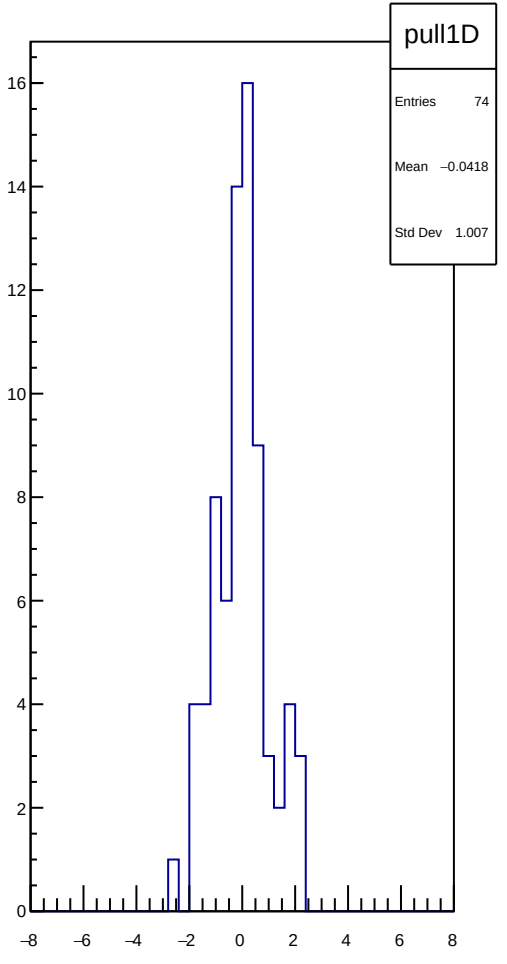

asym_sam1_rms vs run
χ² / ndf 3837 / 73
p0 324.1 ± 0.2619
370
360
350
340
330
320
310
300
290

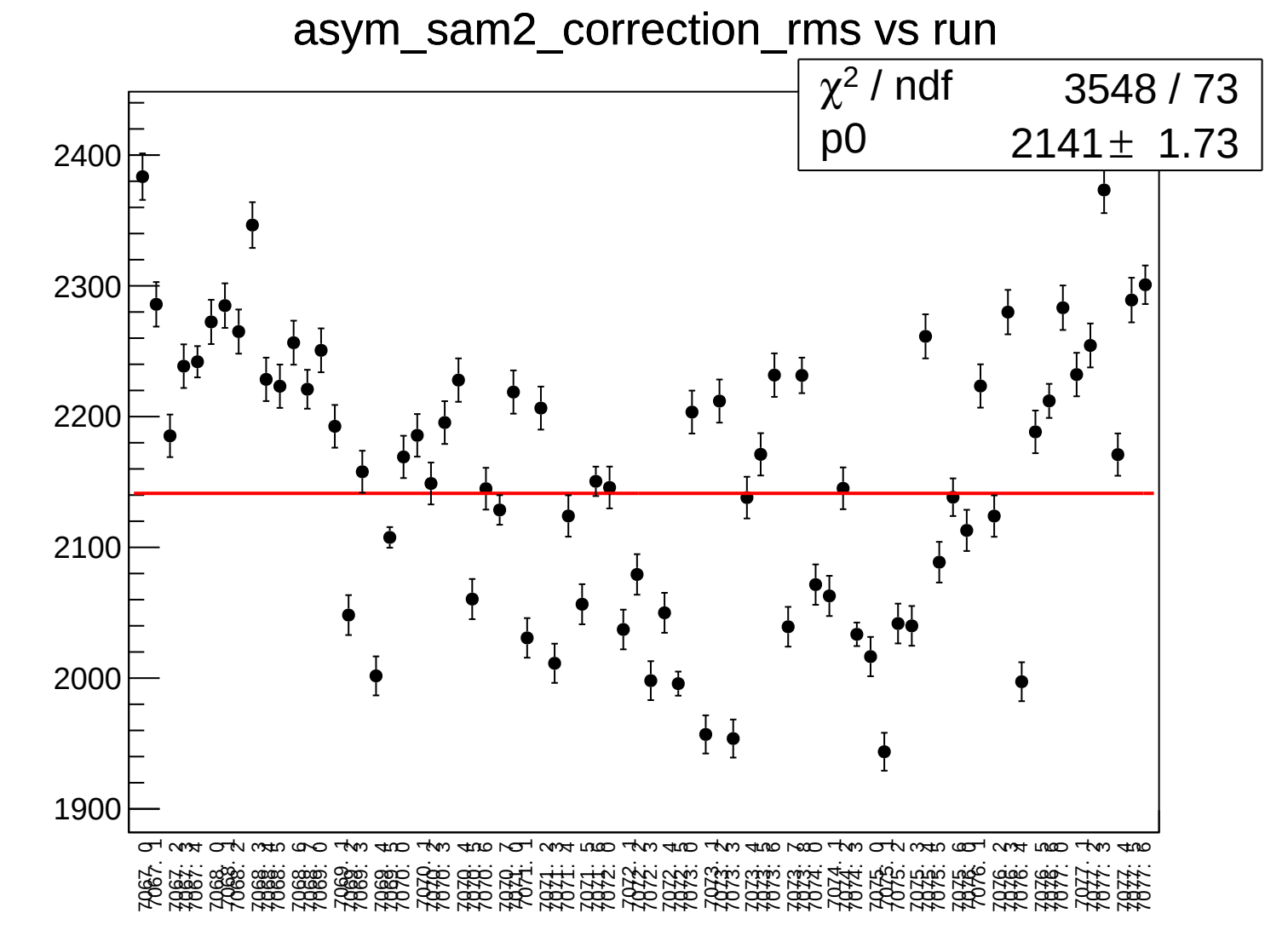

dit_asym_sam2_mean vs run
χ² / ndf 71.8 / 73
p0 −380.7 ± 356.8
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −6.777
Std Dev 79.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

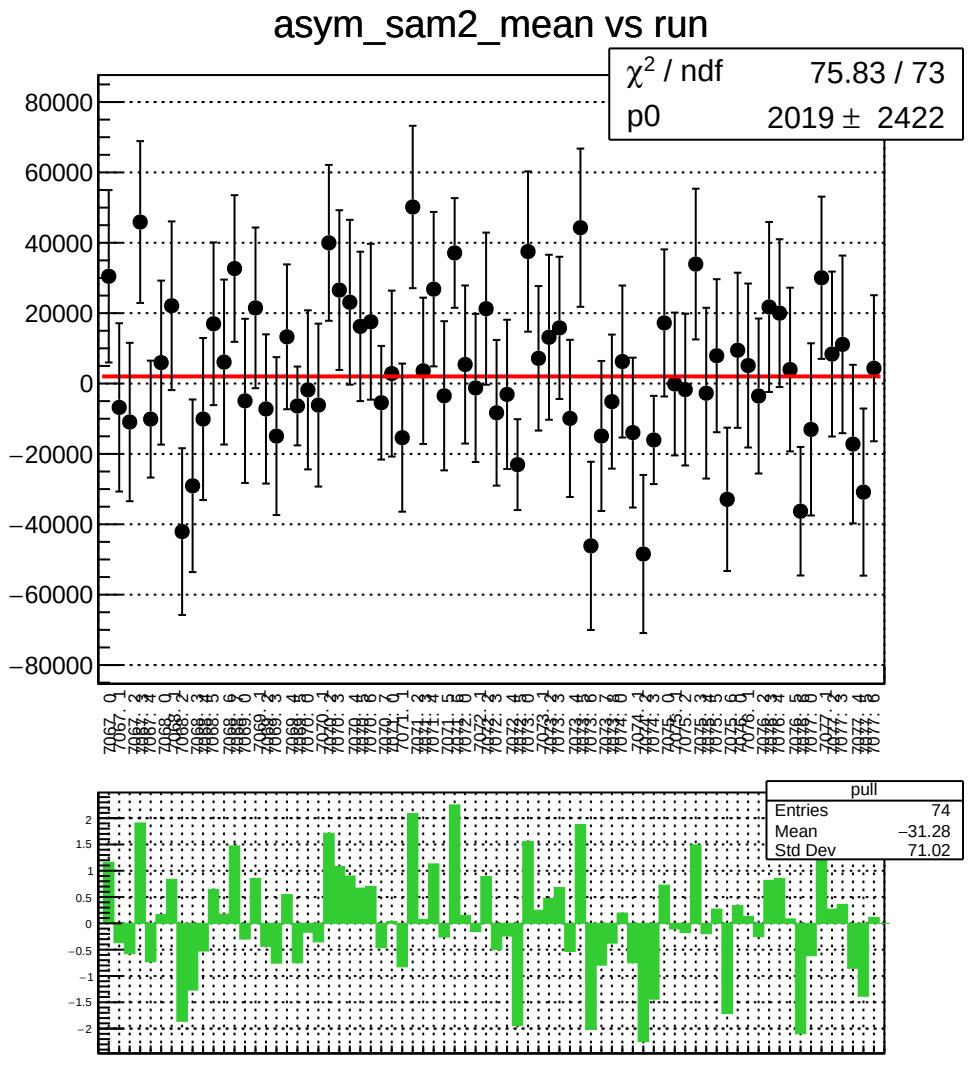

pull1D
Entries 74
Mean 0.02084
Std Dev 0.9848
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

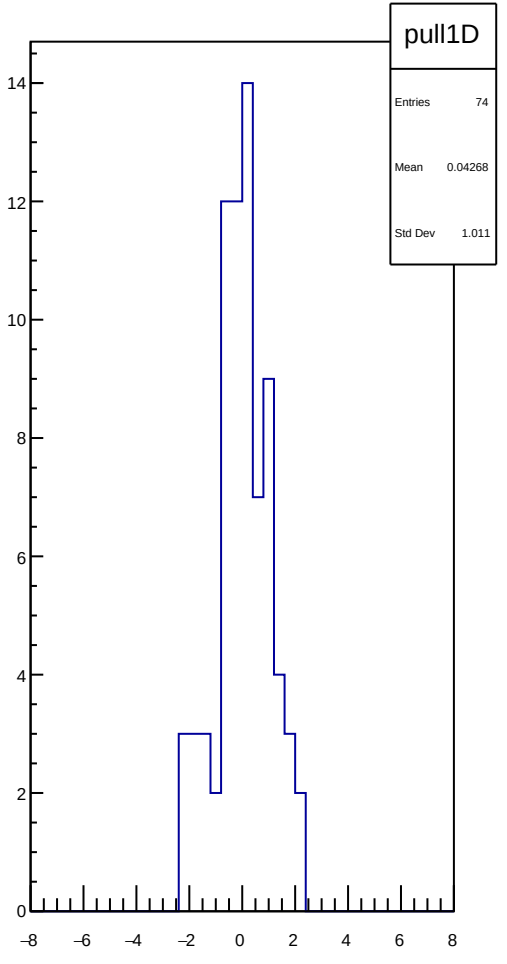

dit_asym_sam2_rms vs run
χ² / ndf 1000 / 73
p0 312.5 ± 0.2523
335
330
325
320
315
310
305
300
295

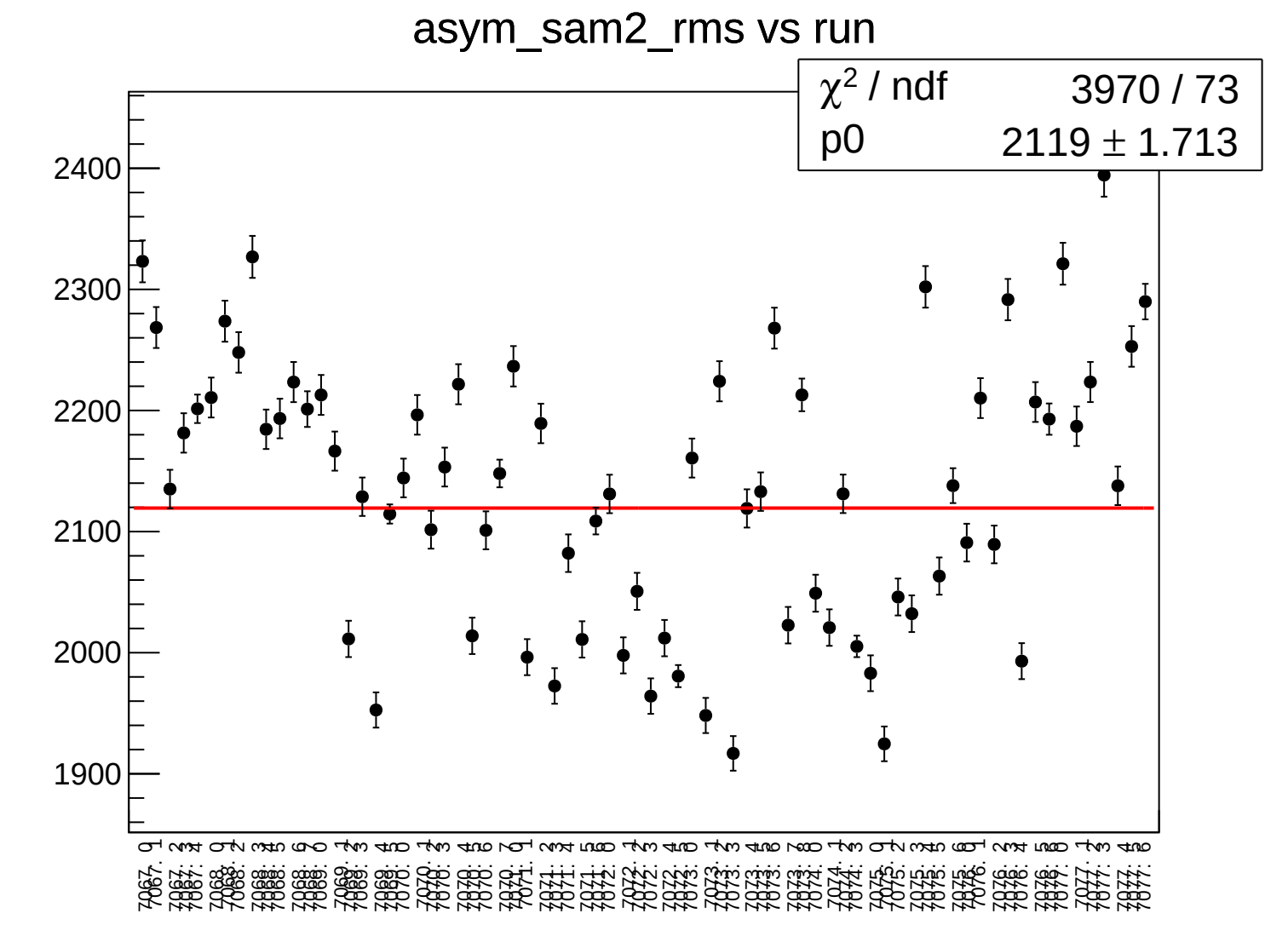

asym_sam2_correction_mean vs run
χ² / ndf 75.15 / 73
p0 −2287 ± 2447
pull
Entries 74
Mean −28.43
Std Dev 65.73

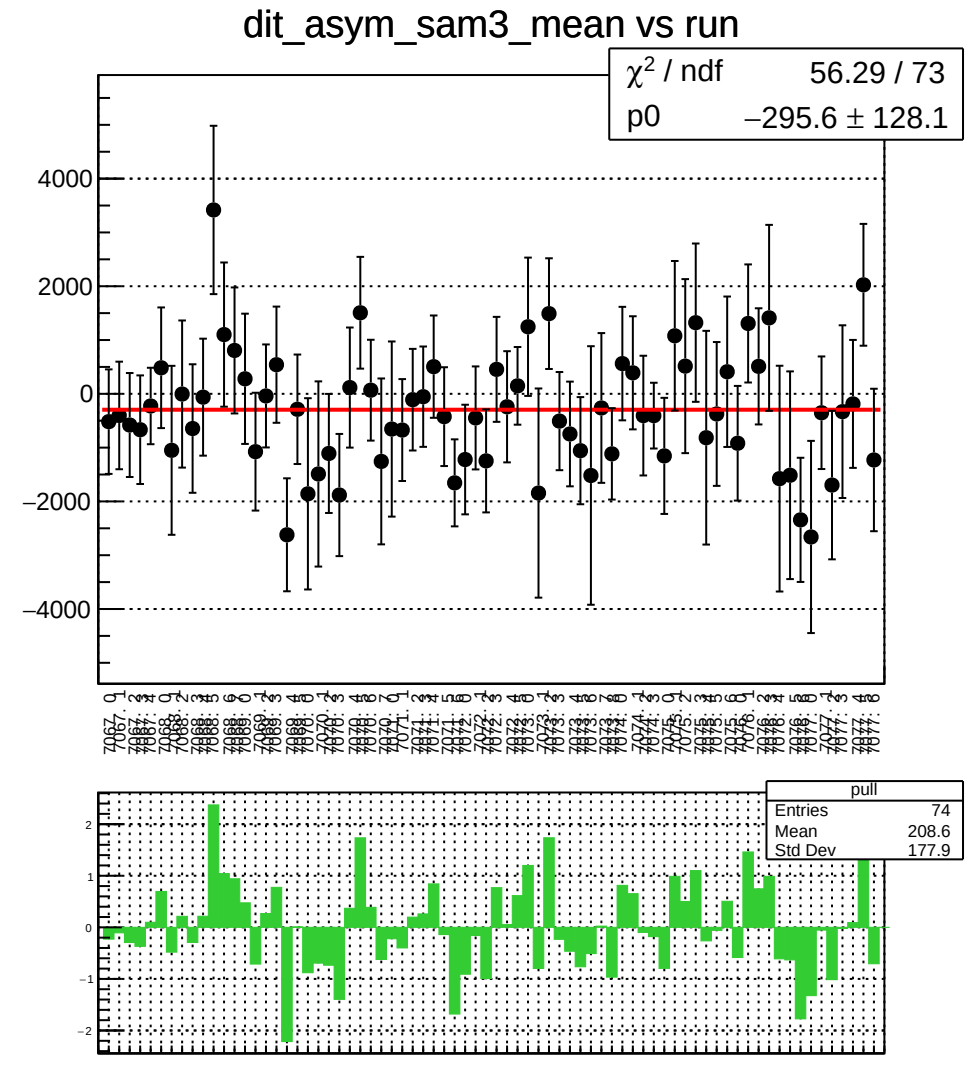

pull1D
Entries 74
Mean −0.0418
Std Dev 1.007

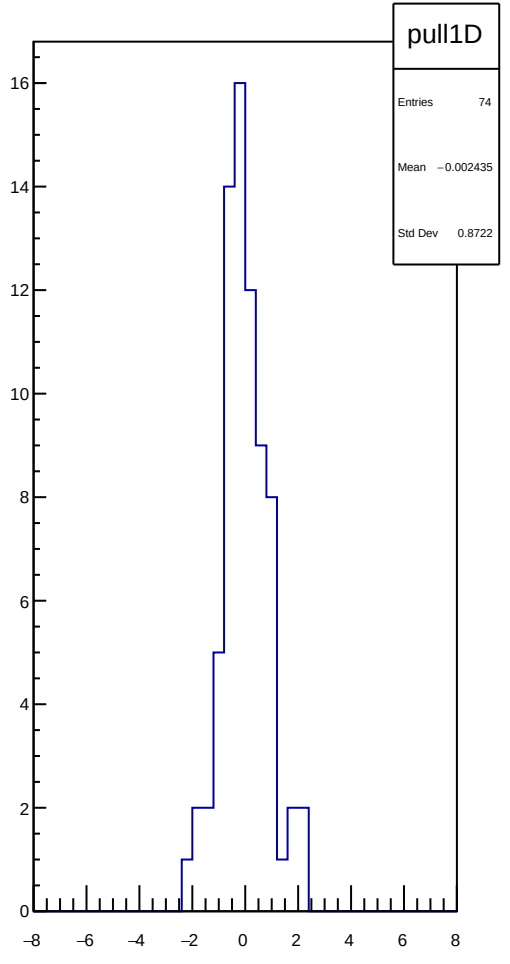

asym_sam2_correction_rms vs run
χ² / ndf 3548 / 73
p0 2141 ± 1.73
2400
2300
2200
2100
2000
1900

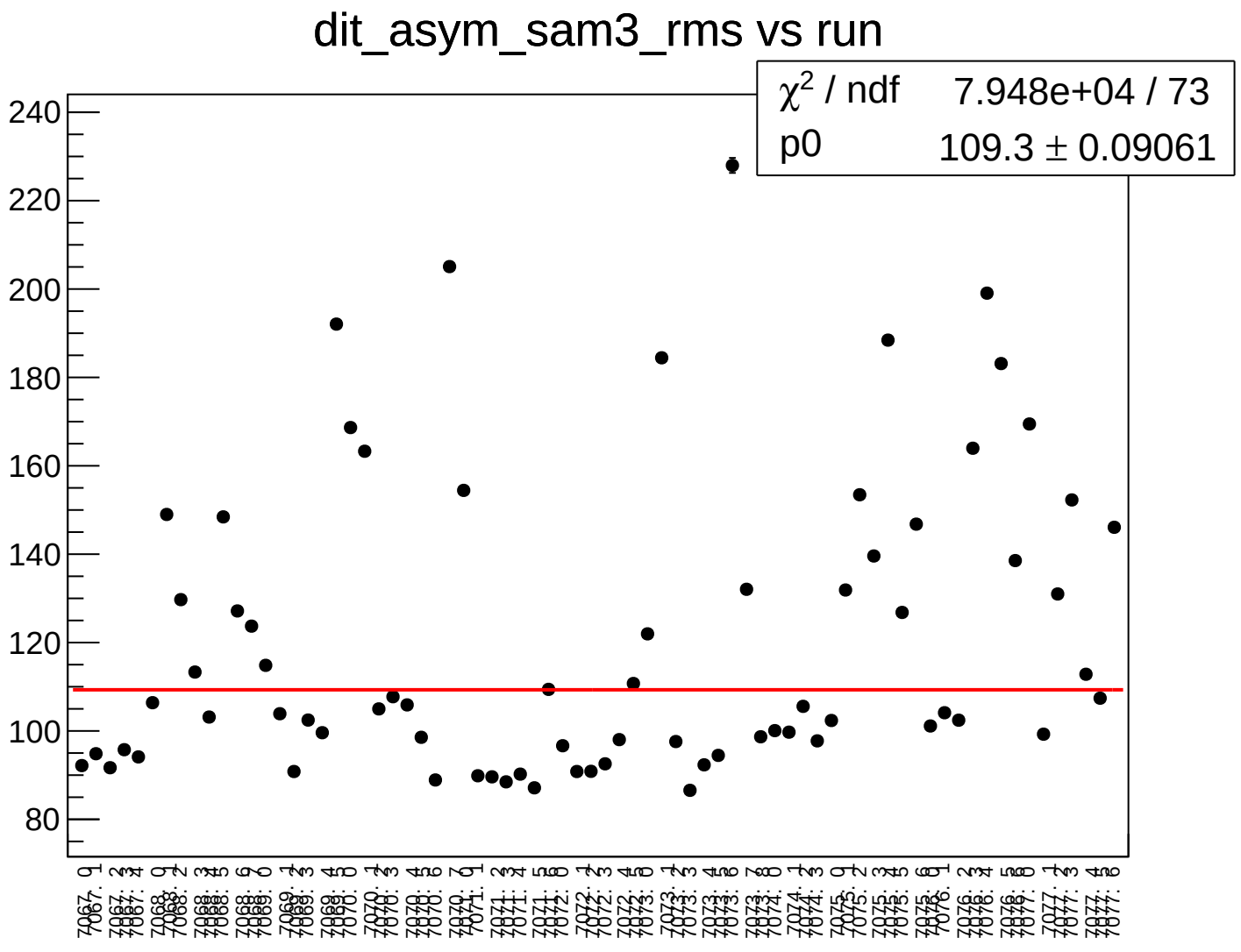

asym_sam2_mean vs run
χ² / ndf 75.83 / 73
p0 2019 ± 2422
pull
Entries 74
Mean −31.28
Std Dev 71.02

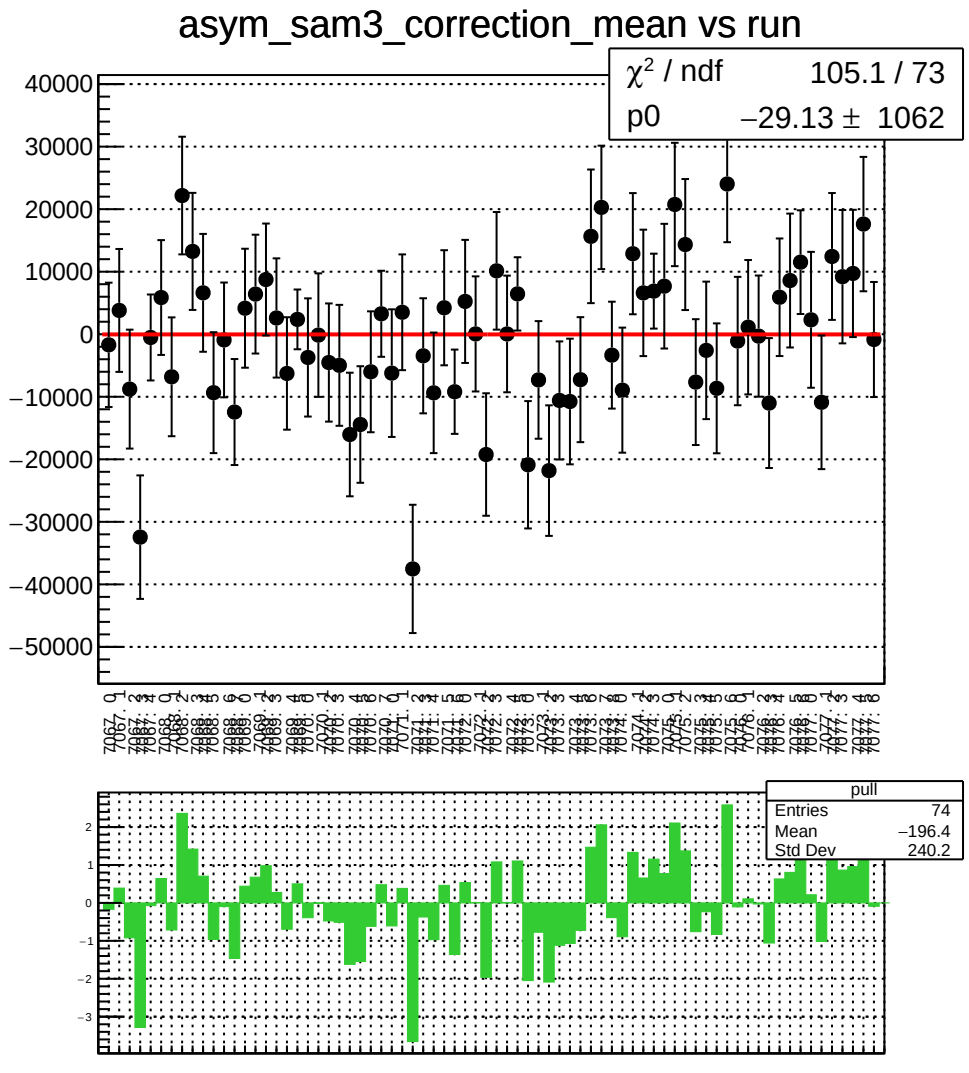

pull1D
Entries 74
Mean 0.04268
Std Dev 1.011

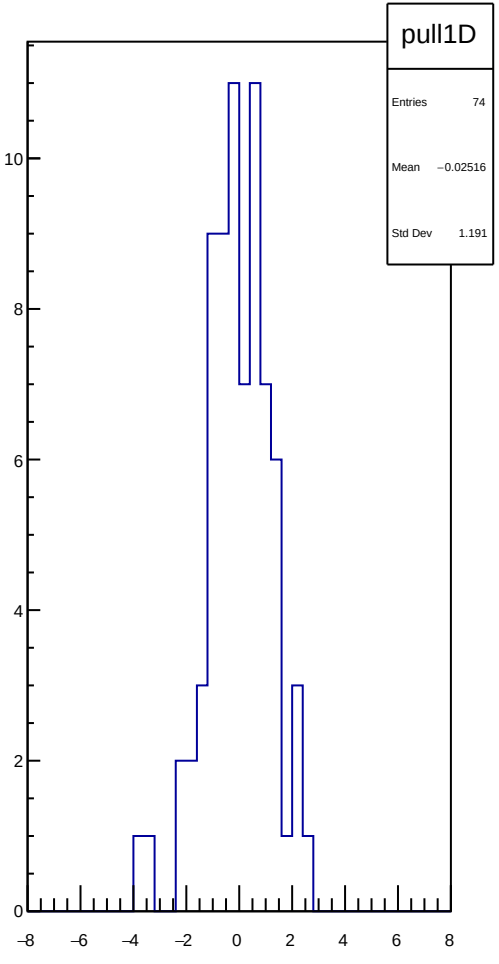

asym_sam2_rms vs run
χ^2 / ndf 3970 / 73
p0 2119 ± 1.713
2400
2300
2200
2100
2000
1900

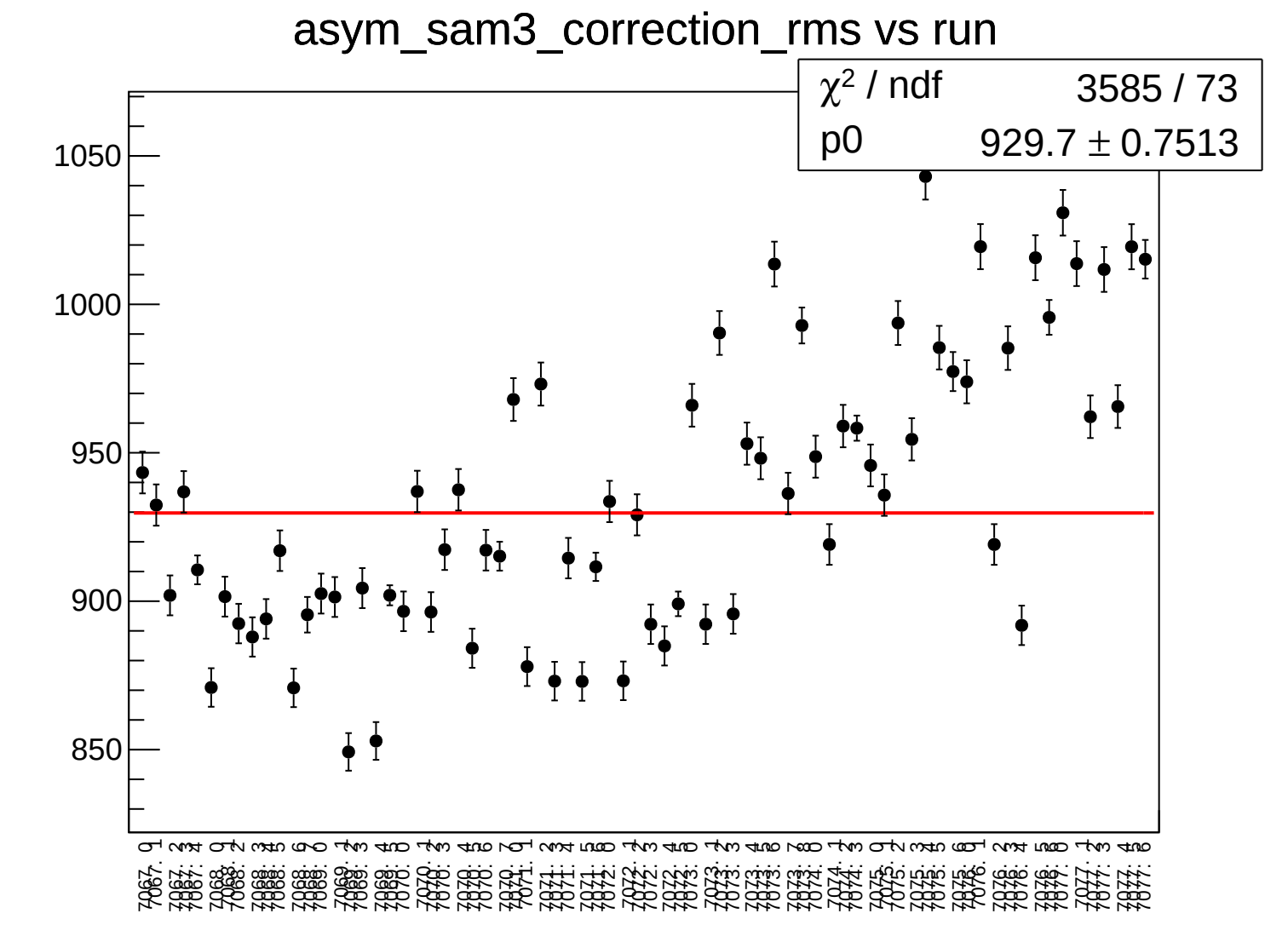

dit_asym_sam3_mean vs run
χ² / ndf 56.29 / 73
p0 −295.6 ± 128.1
4000
2000
0
−2000
−4000
pull
Entries 74
Mean 208.6
Std Dev 177.9
2
1
0
−1
−2

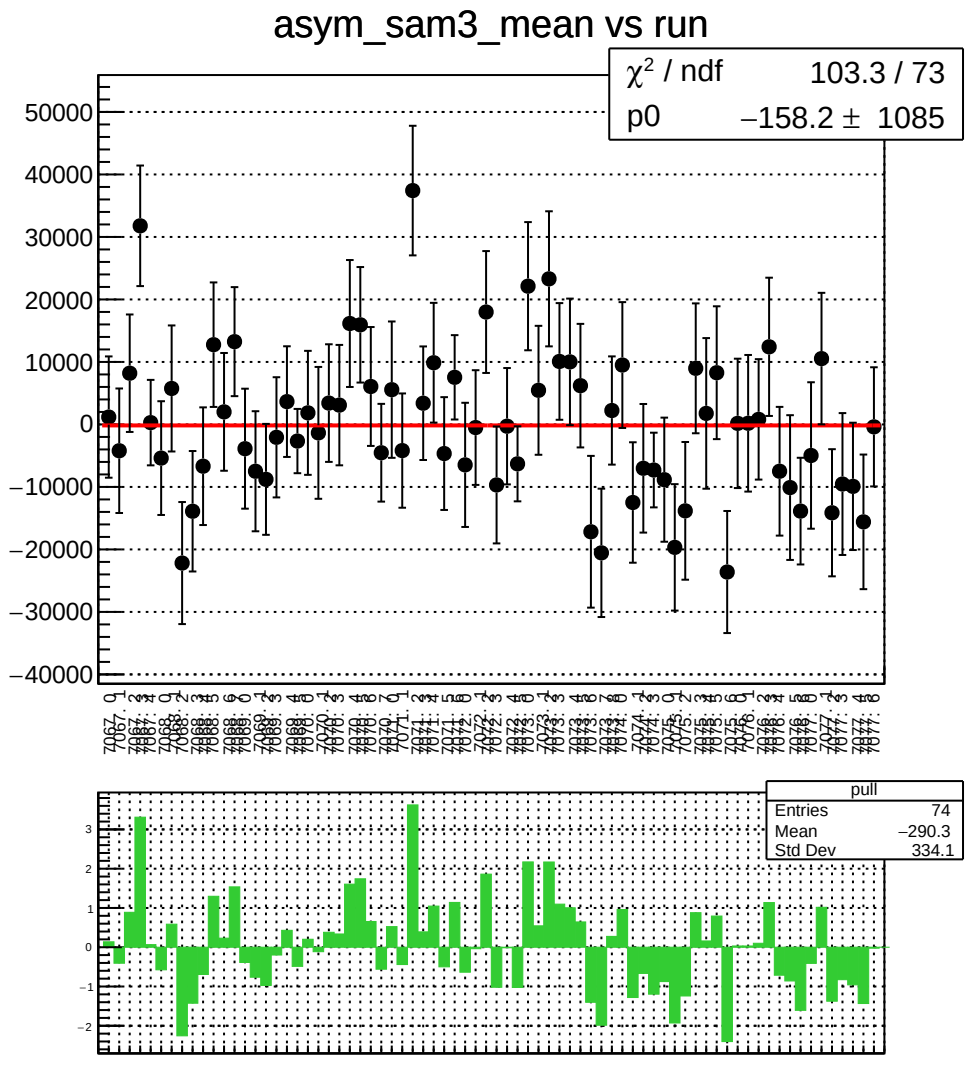

pull1D
Entries 74
Mean −0.002435
Std Dev 0.8722
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

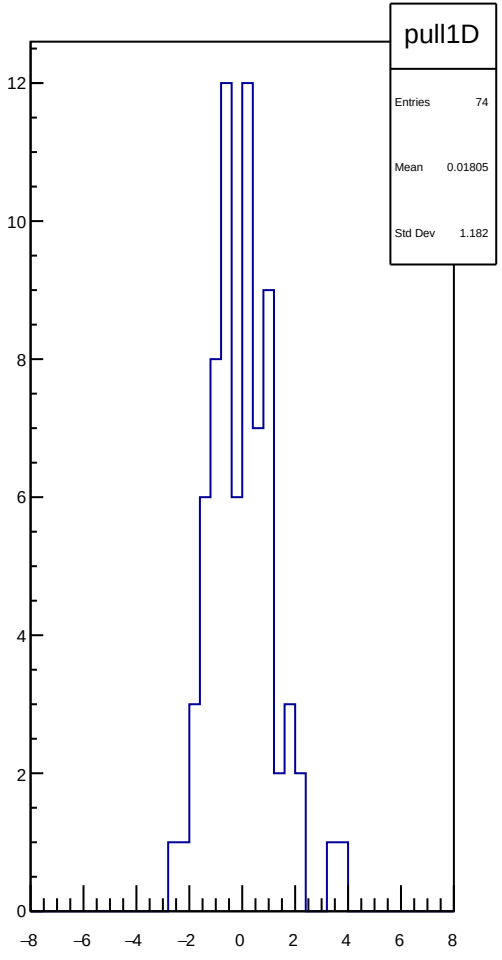

dit_asym_sam3_rms vs run
χ^2 / ndf 7.948e+04 / 73
p0 109.3 ± 0.09061
240
220
200
180
160
140
120
100
80

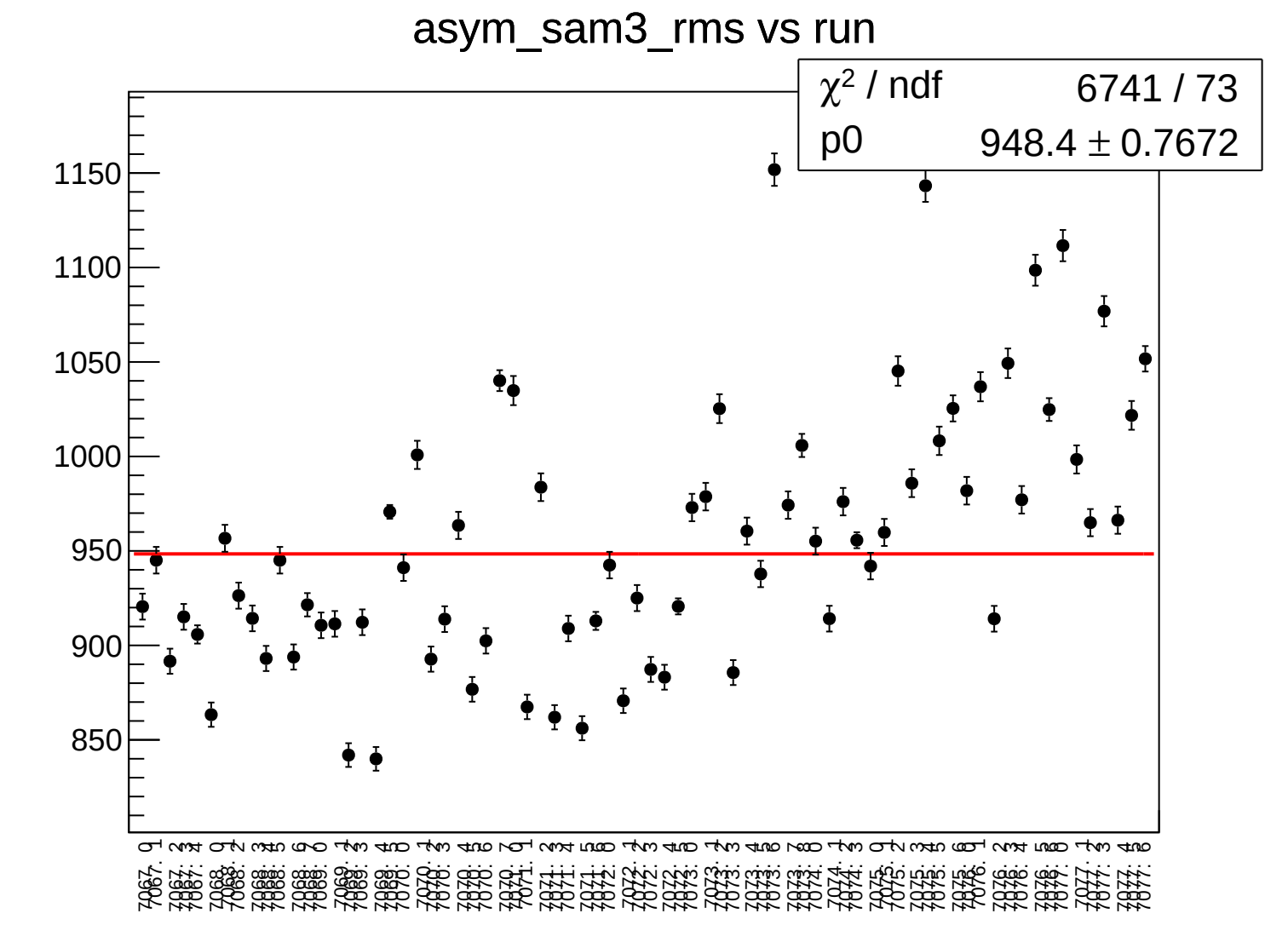

asym_sam3_correction_mean vs run
χ² / ndf 105.1 / 73
p0 −29.13 ± 1062
pull
Entries 74
Mean −196.4
Std Dev 240.2

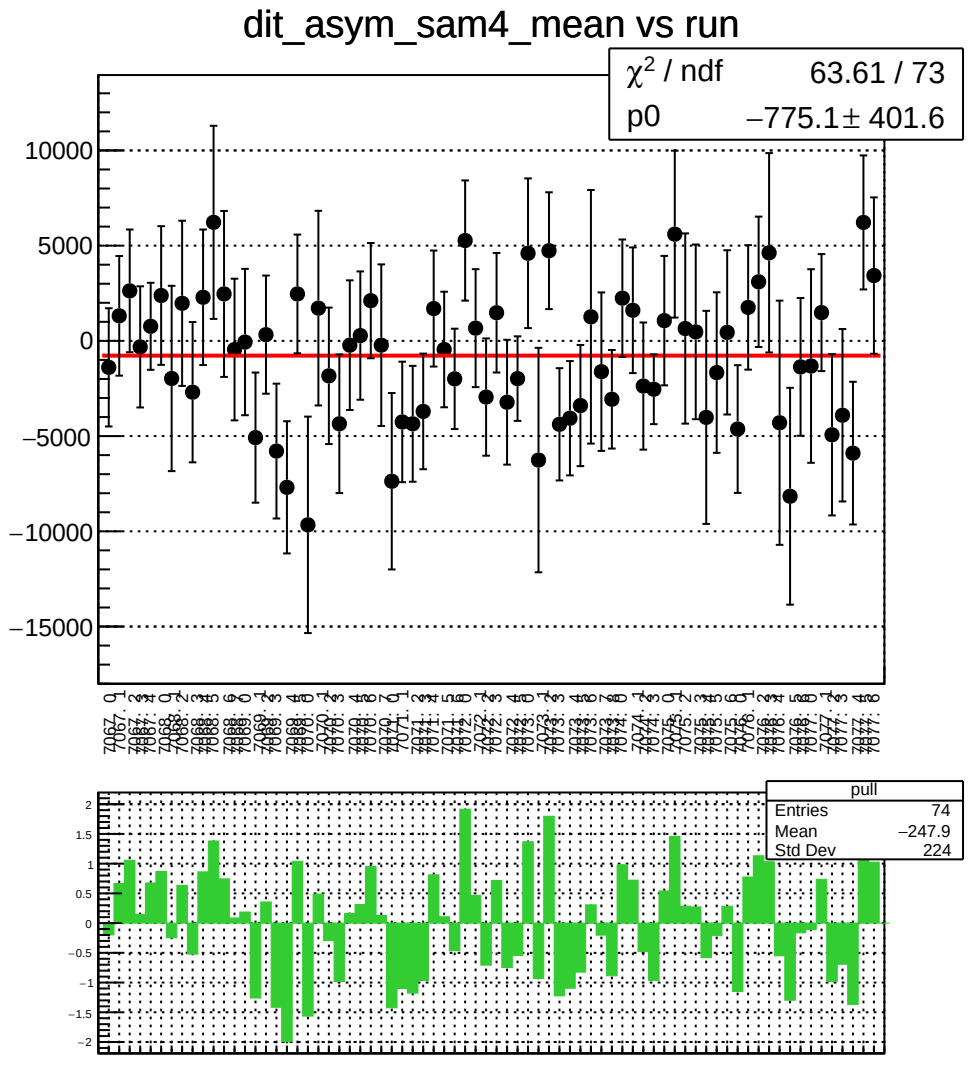

pull1D
Entries 74
Mean −0.02516
Std Dev 1.191

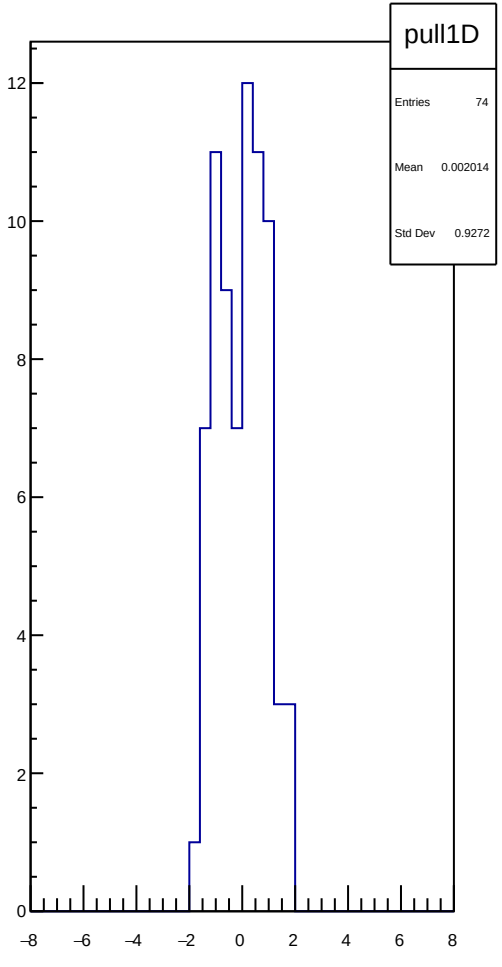

asym_sam3_correction_rms vs run
χ² / ndf 3585 / 73
p0 929.7 ± 0.7513
1050
1000
950
900
850

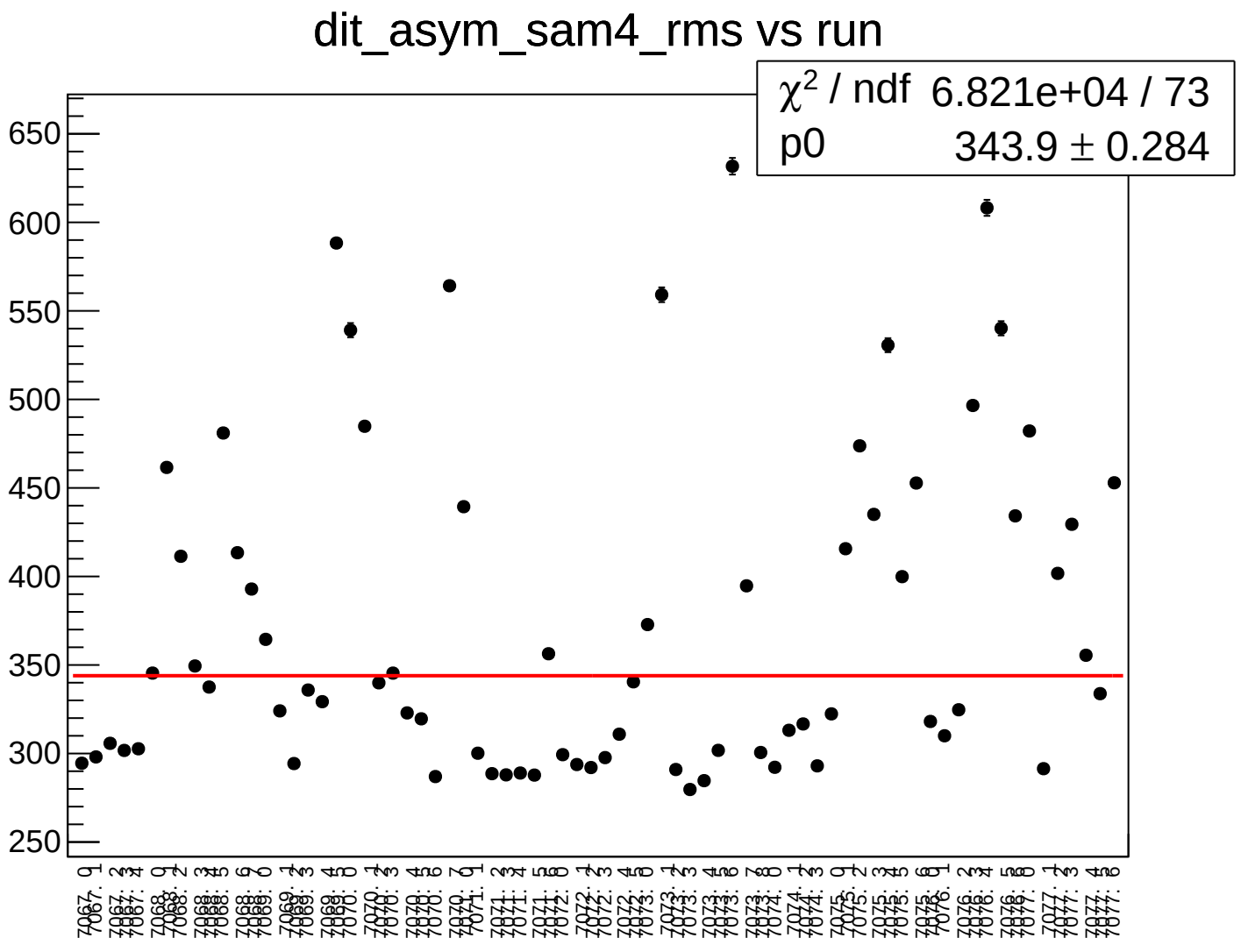

asym_sam3_mean vs run
χ² / ndf 103.3 / 73
p0 −158.2 ± 1085
pull
Entries 74
Mean −290.3
Std Dev 334.1

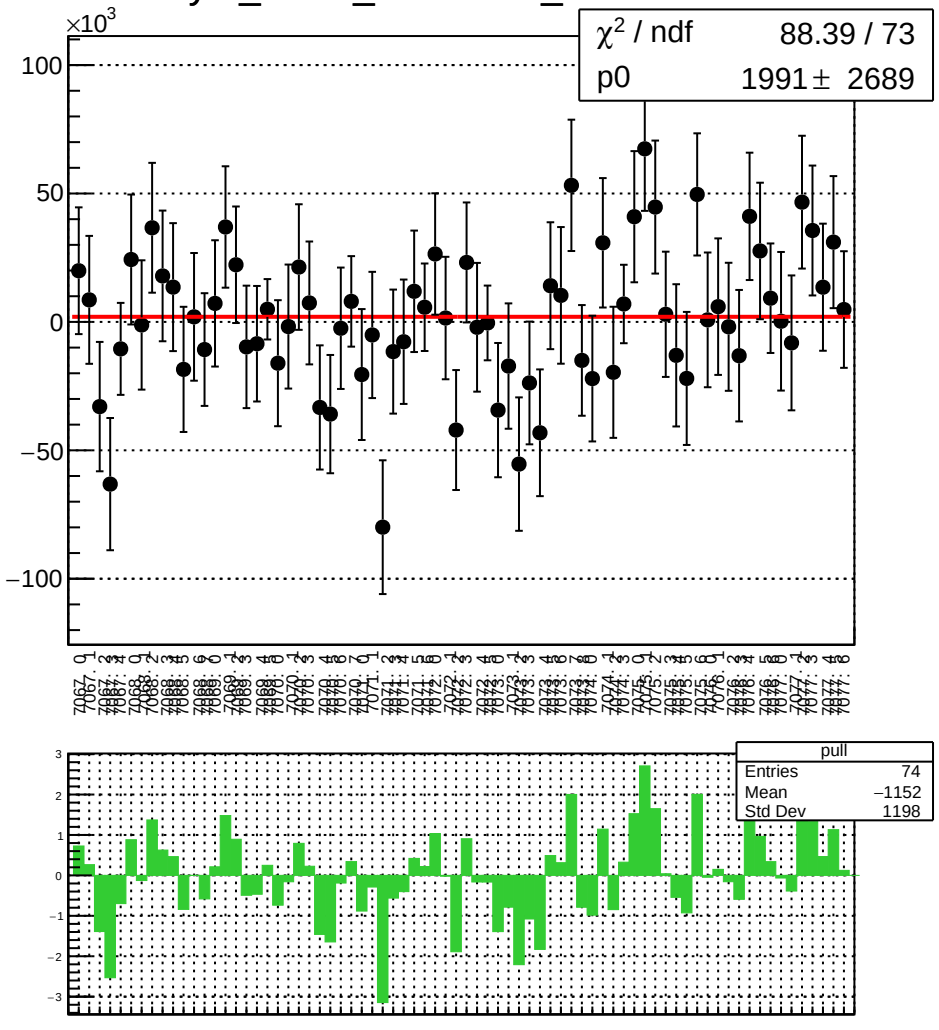

pull1D
Entries 74
Mean 0.01805
Std Dev 1.182

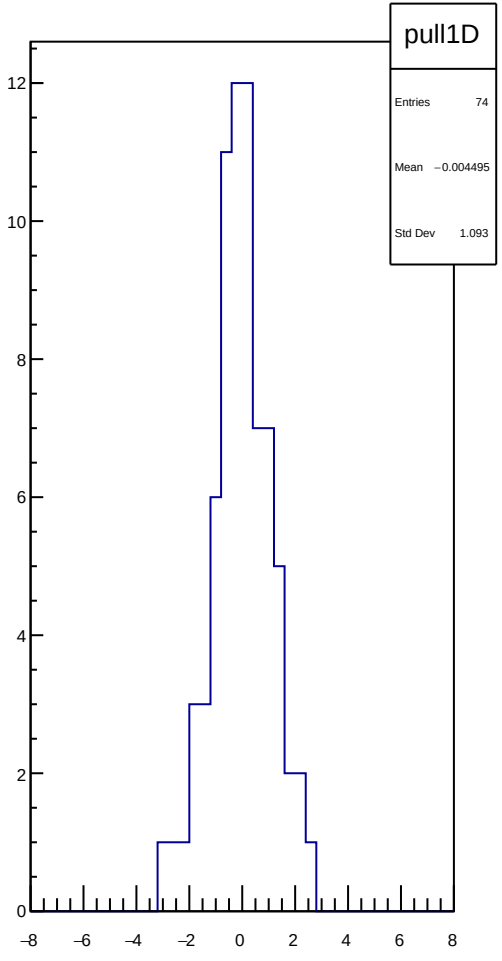

asym_sam3_rms vs run
χ² / ndf 6741 / 73
p0 948.4 ± 0.7672
1150
1100
1050
1000
950
900
850

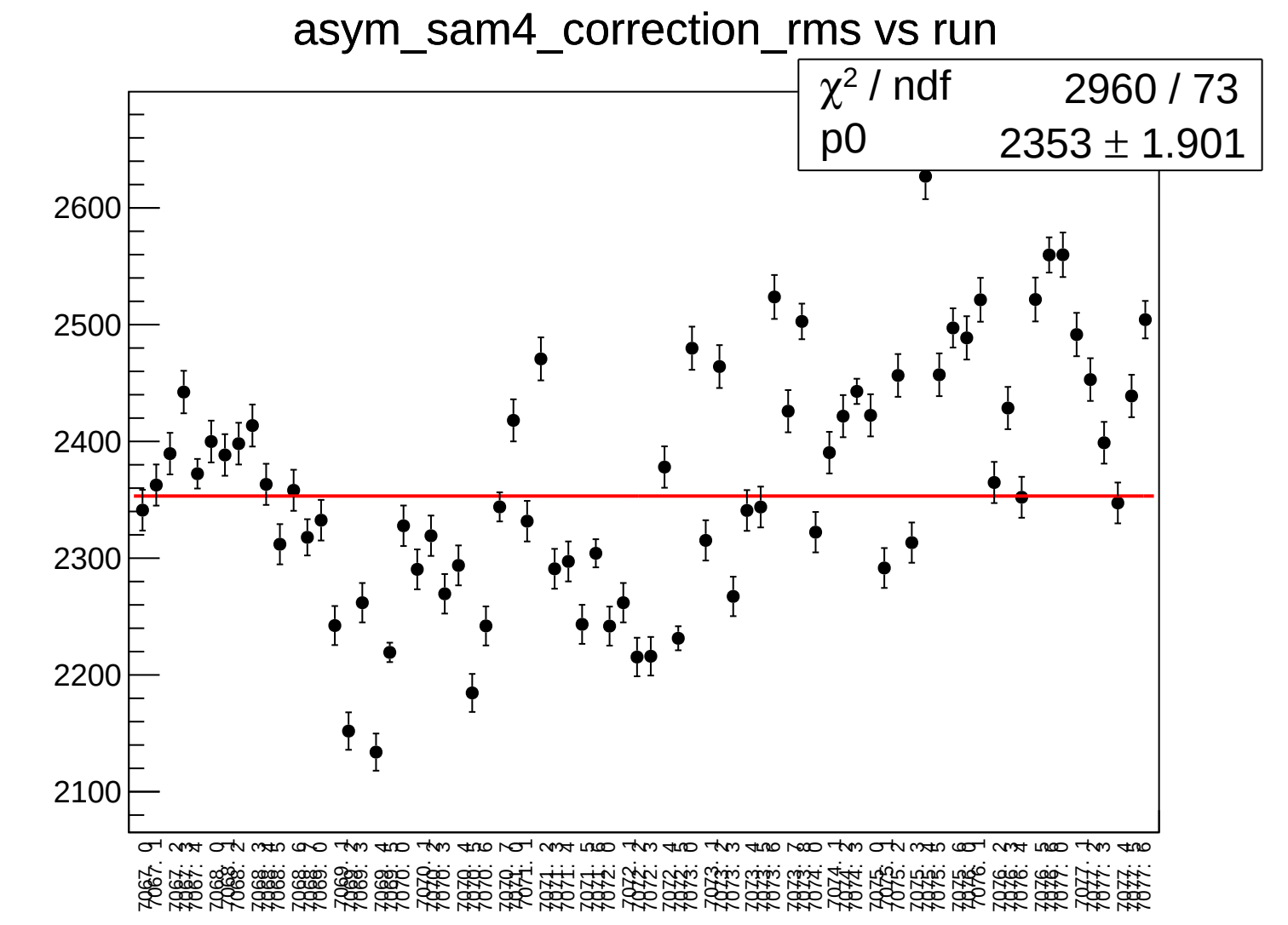

dit_asym_sam4_mean vs run
χ² / ndf 63.61 / 73
p0 −775.1± 401.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −247.9
Std Dev 224
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

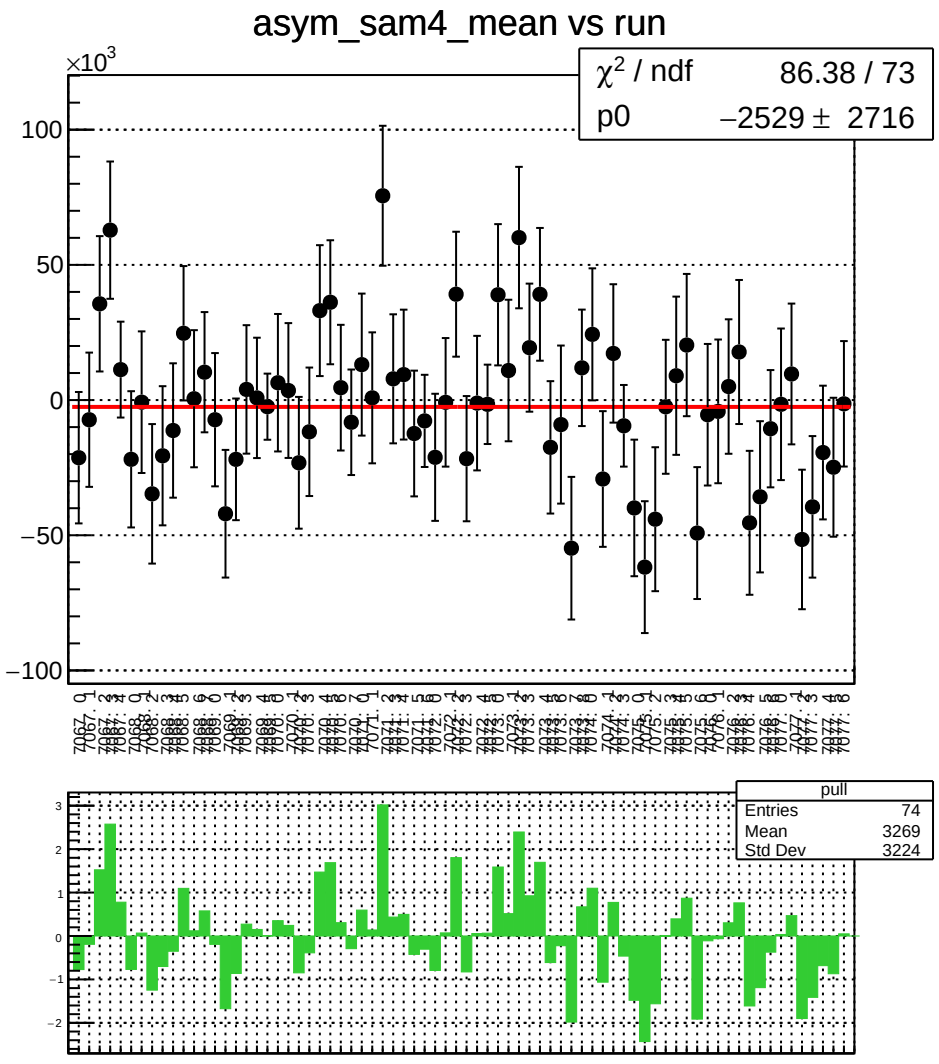

pull1D
Entries 74
Mean 0.002014
Std Dev 0.9272
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

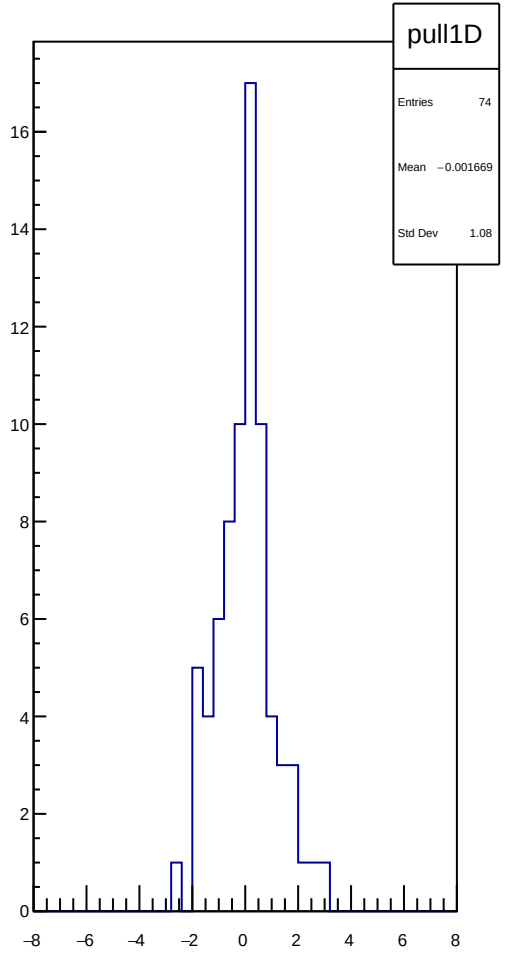

dit_asym_sam4_rms vs run
χ^2 / ndf 6.821e+04 / 73
p0 343.9 ± 0.284
650
600
550
500
450
400
350
300
250

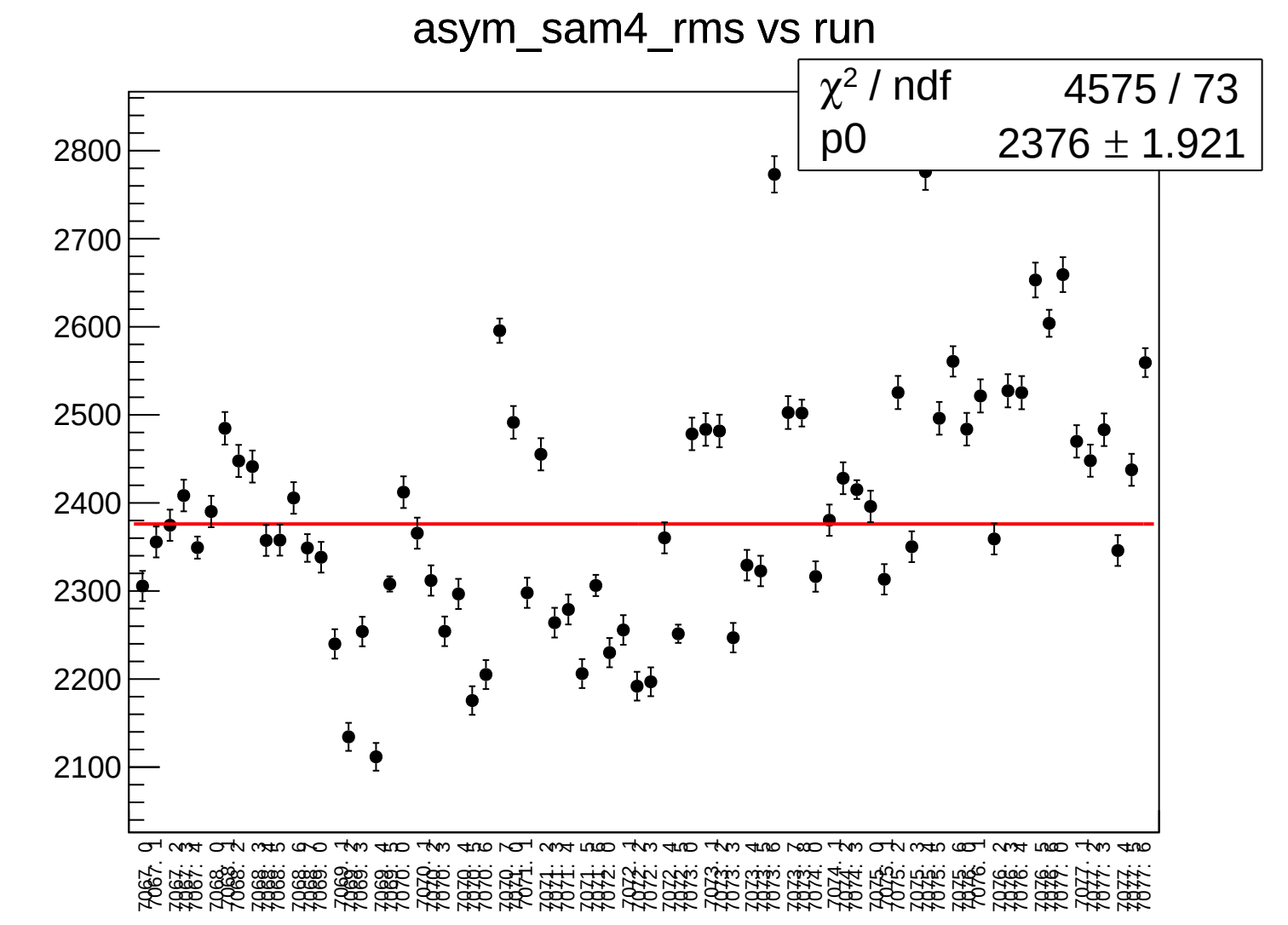

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 88.39 / 73
p0 1991 ± 2689
100
50
0
−50
−100
pull
Entries 74
Mean −1152
Std Dev 1198
3
2
1
0
−1
−2
−3

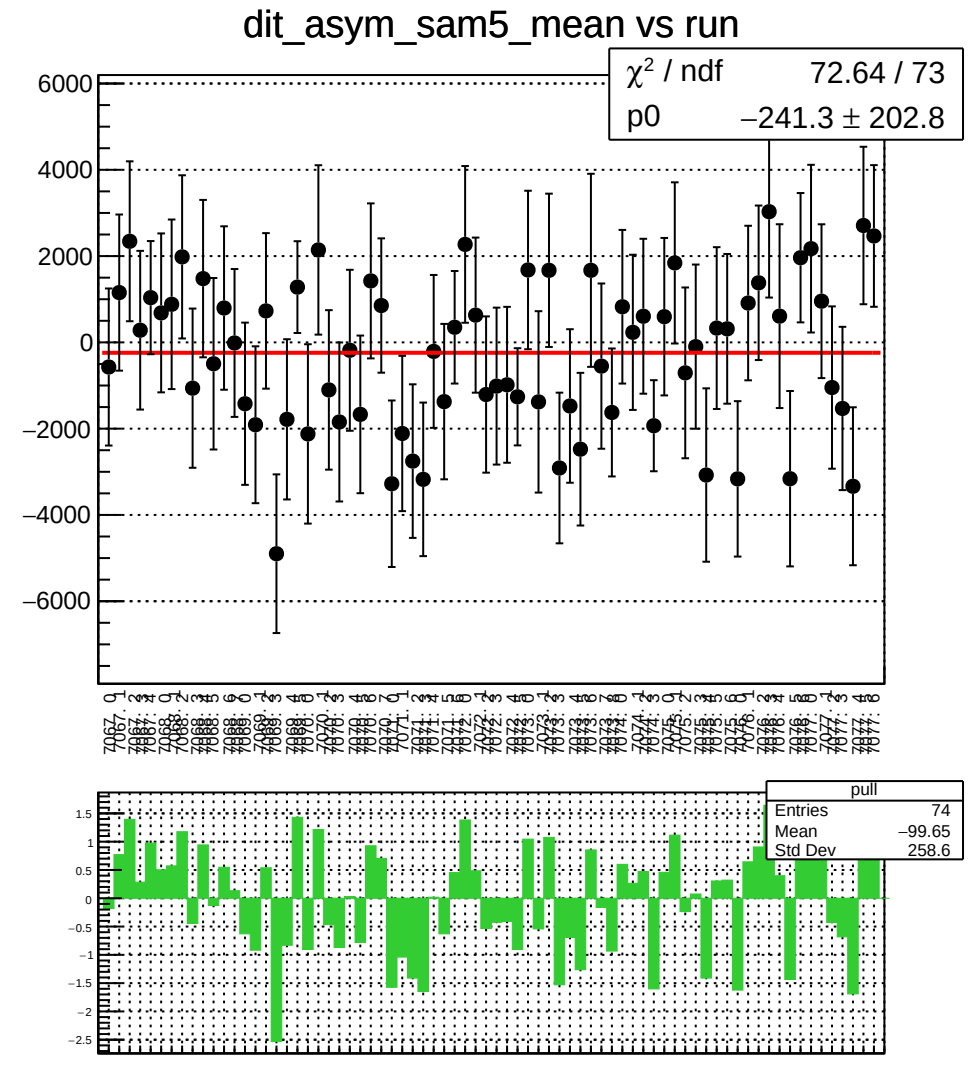

pull1D
Entries 74
Mean −0.004495
Std Dev 1.093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

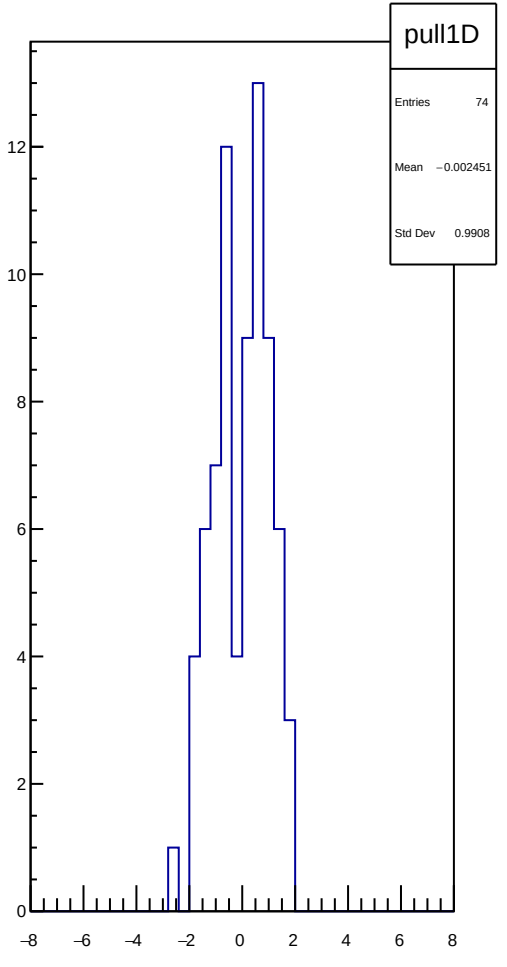

asym_sam4_correction_rms vs run
χ² / ndf 2960 / 73
p0 2353 ± 1.901
2600
2500
2400
2300
2200
2100

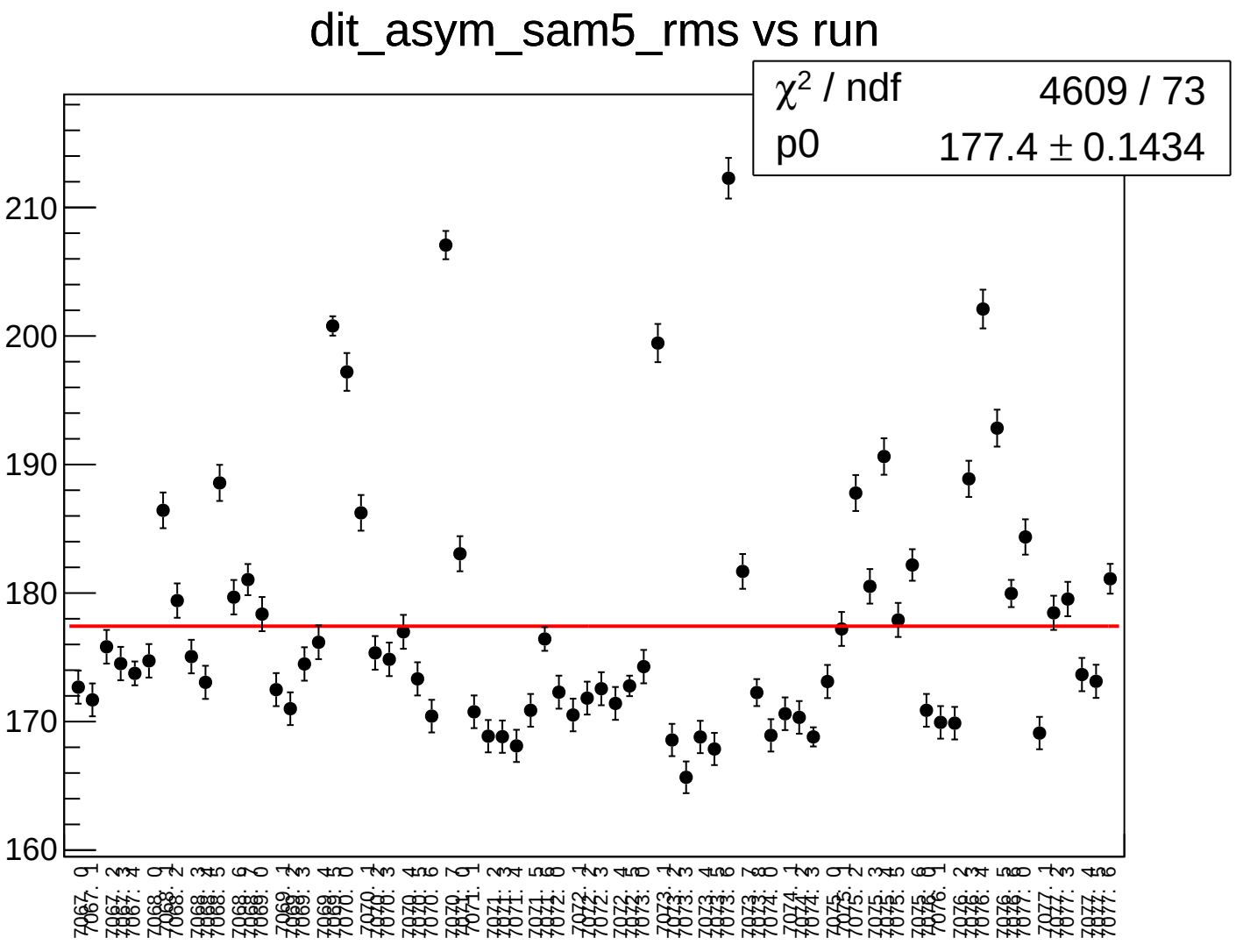

asym_sam4_mean vs run
×10^3
χ² / ndf 86.38 / 73
p0 −2529 ± 2716
100
50
0
−50
−100
pull
Entries 74
Mean 3269
Std Dev 3224
3
2
1
0
−1
−2

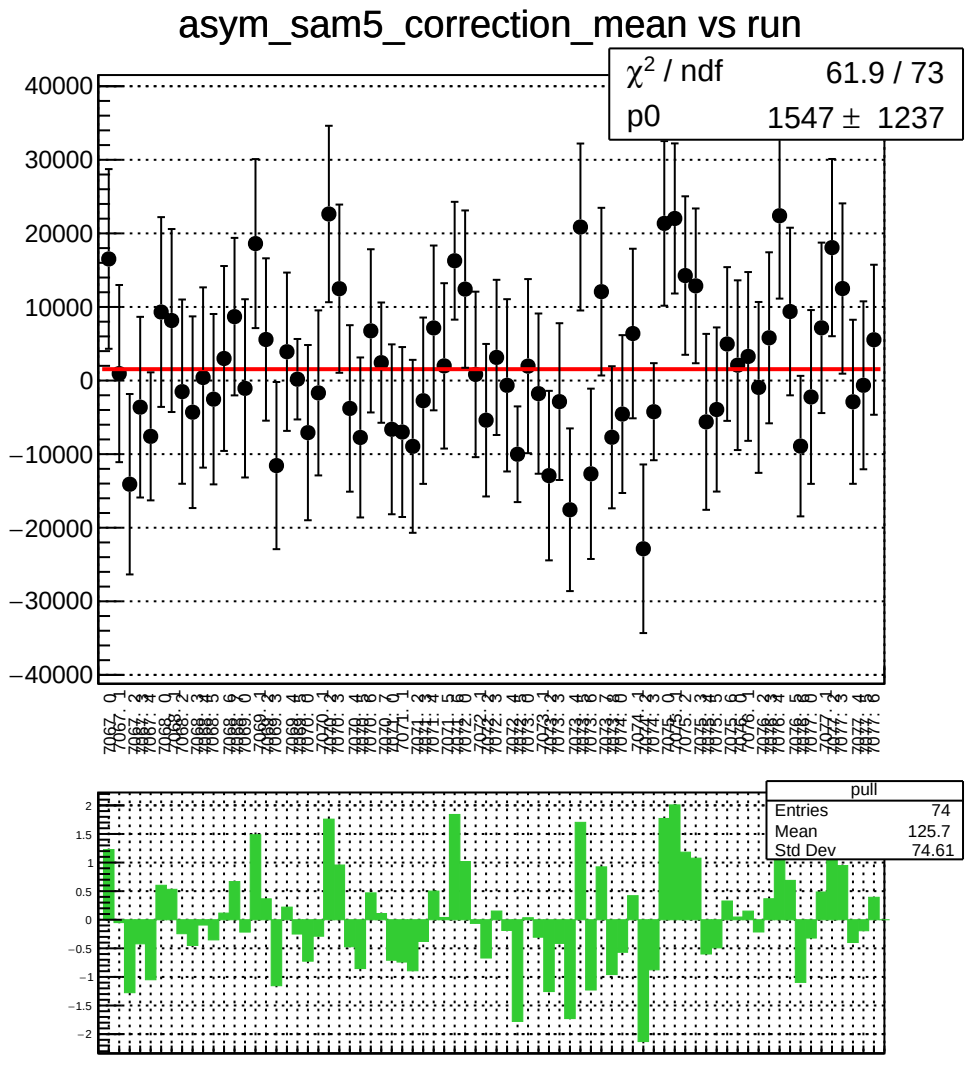

pull1D
Entries 74
Mean −0.001669
Std Dev 1.08
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

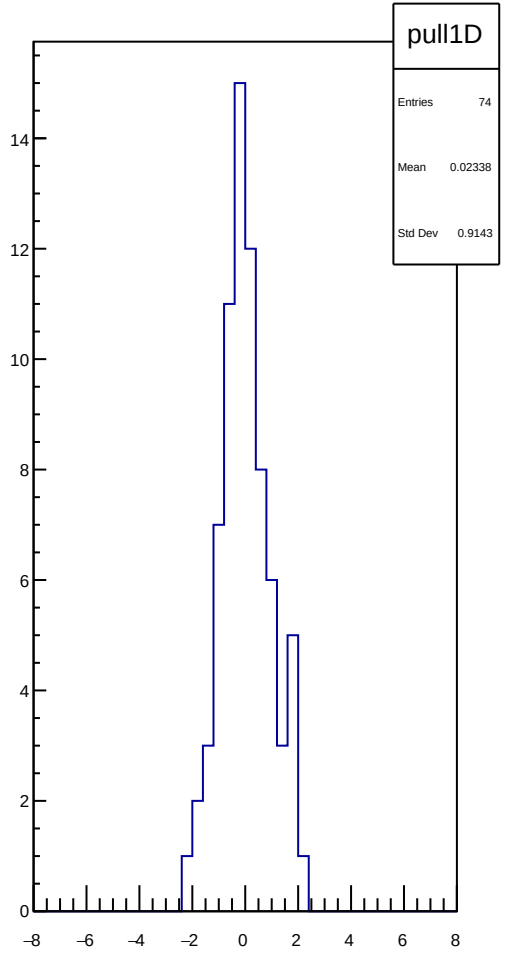

asym_sam4_rms vs run
χ^2 / ndf 4575 / 73
p0 2376 ± 1.921
2800
2700
2600
2500
2400
2300
2200
2100

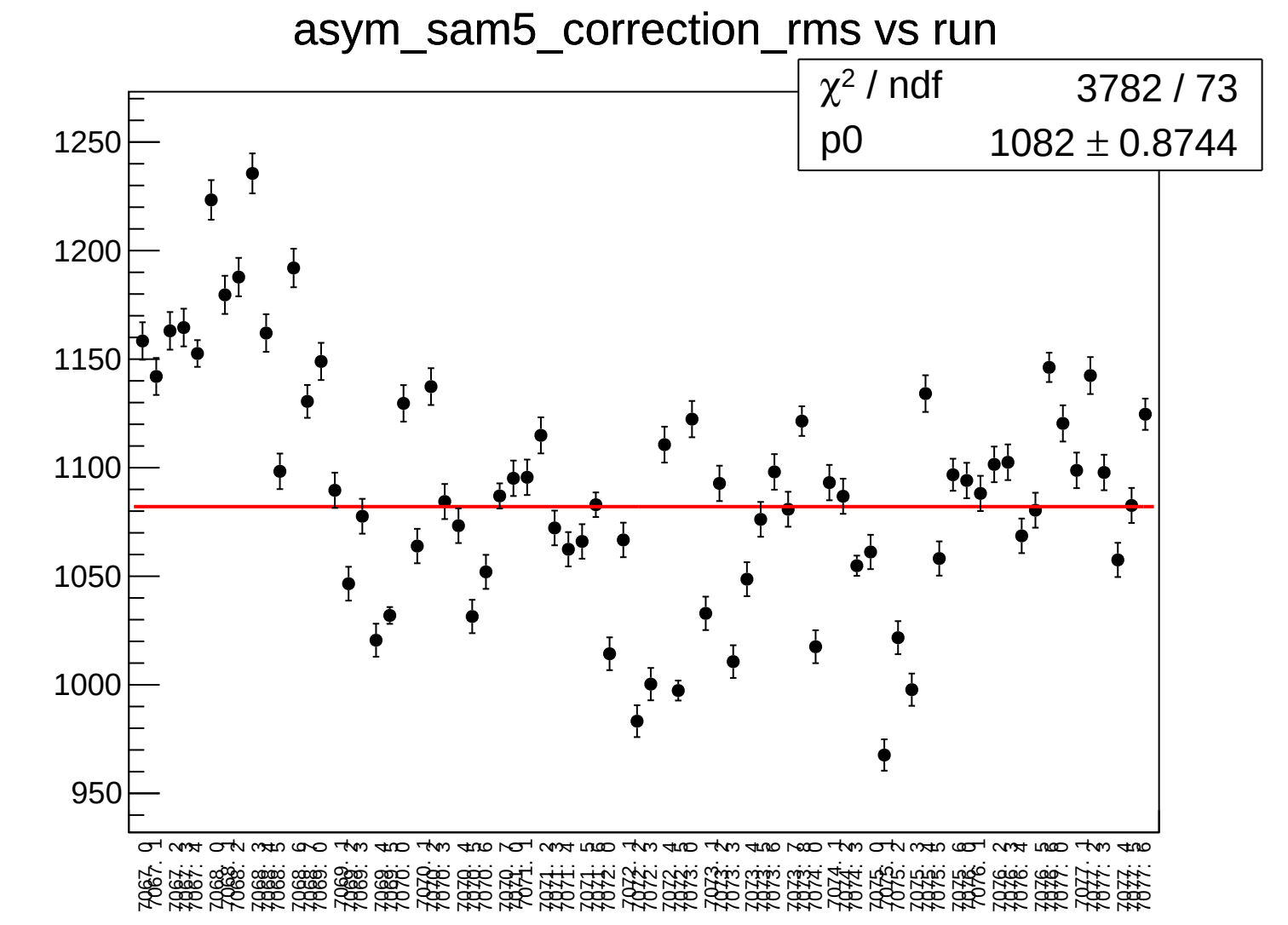

dit_asym_sam5_mean vs run
χ² / ndf 72.64 / 73
p0 −241.3 ± 202.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean −99.65
Std Dev 258.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

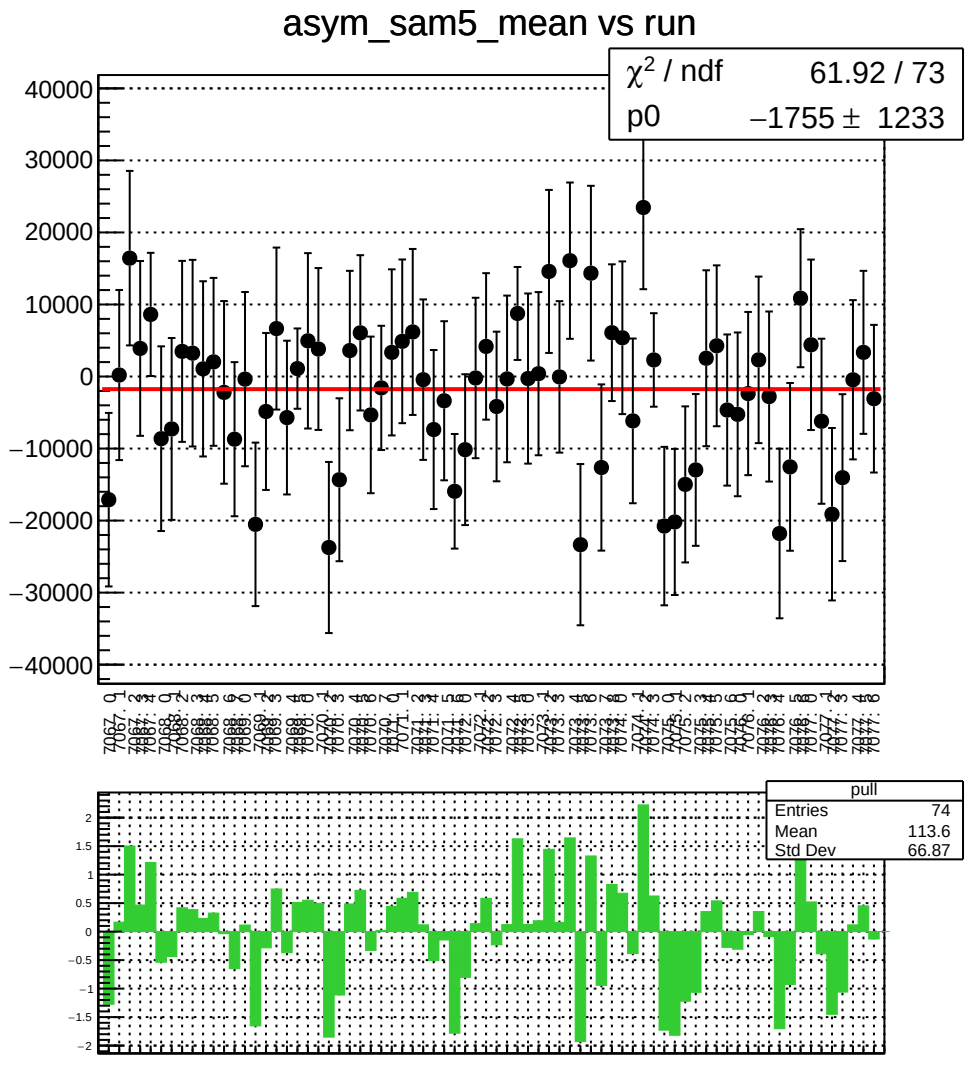

pull1D
Entries 74
Mean −0.002451
Std Dev 0.9908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

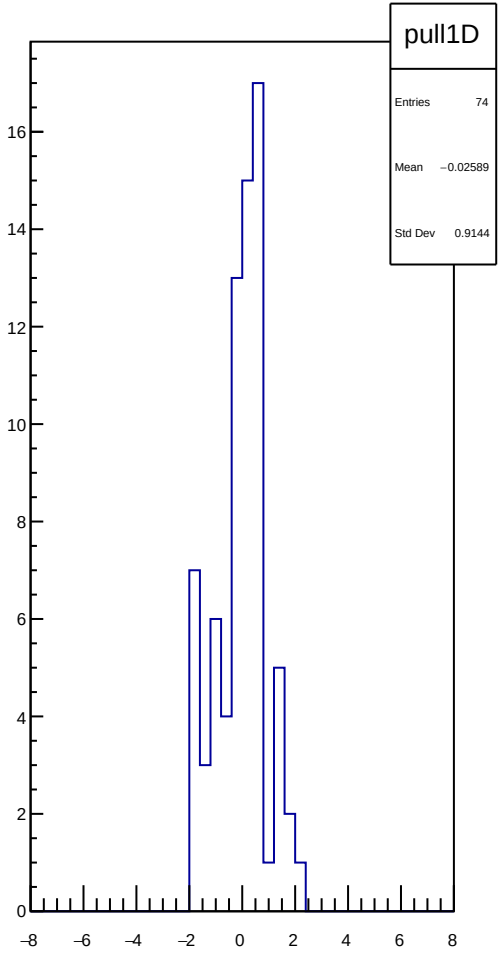

dit_asym_sam5_rms vs run
χ² / ndf 4609 / 73
p0 177.4 ± 0.1434
210
200
190
180
170
160

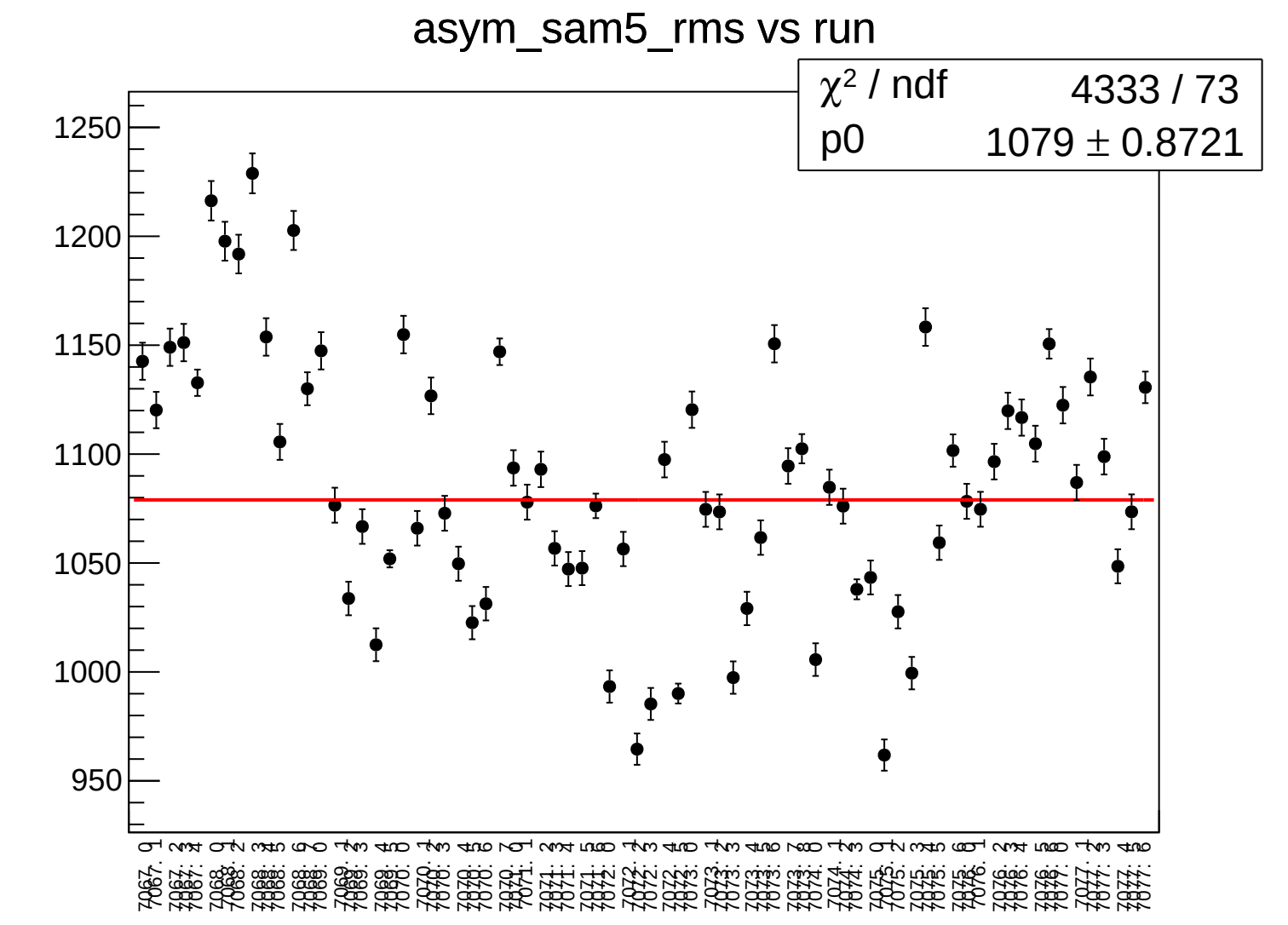

asym_sam5_correction_mean vs run
χ² / ndf 61.9 / 73
p0 1547 ± 1237
pull
Entries 74
Mean 125.7
Std Dev 74.61

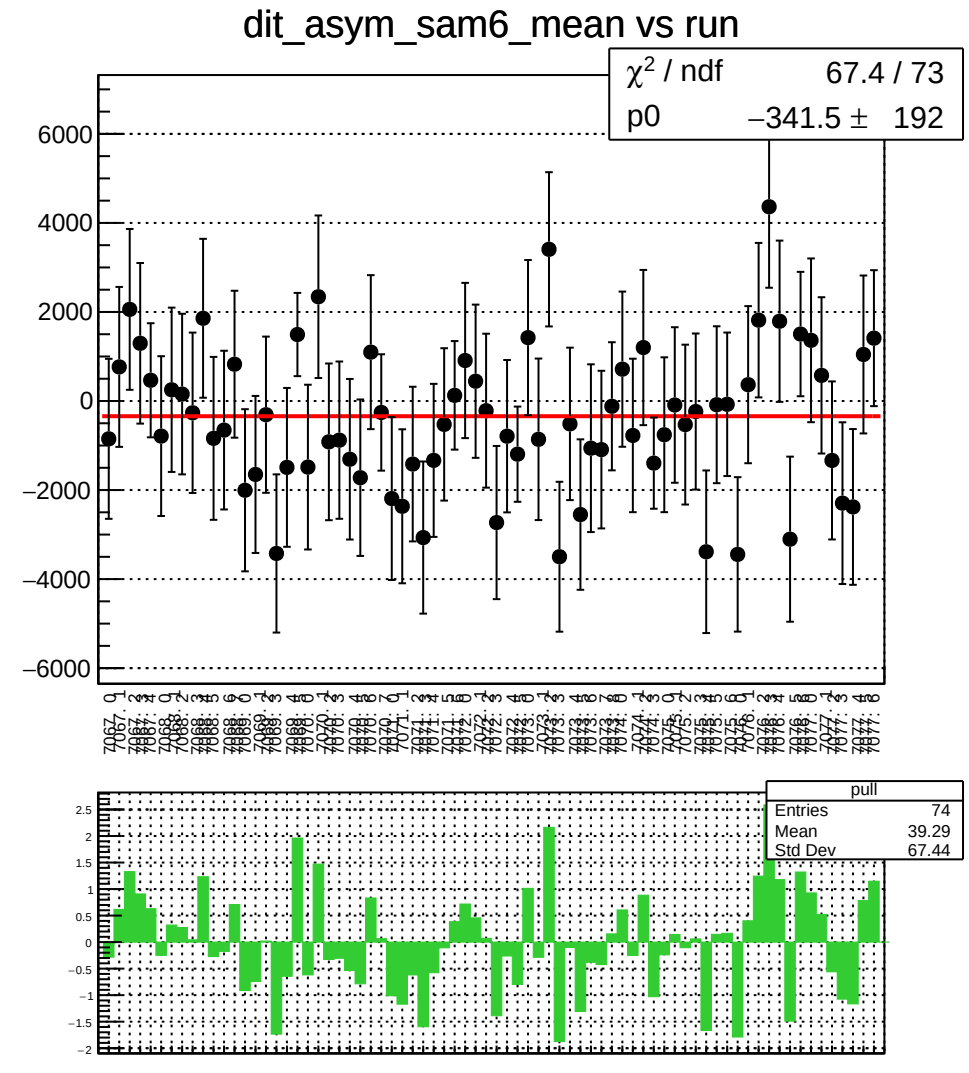

pull1D
Entries 74
Mean 0.02338
Std Dev 0.9143

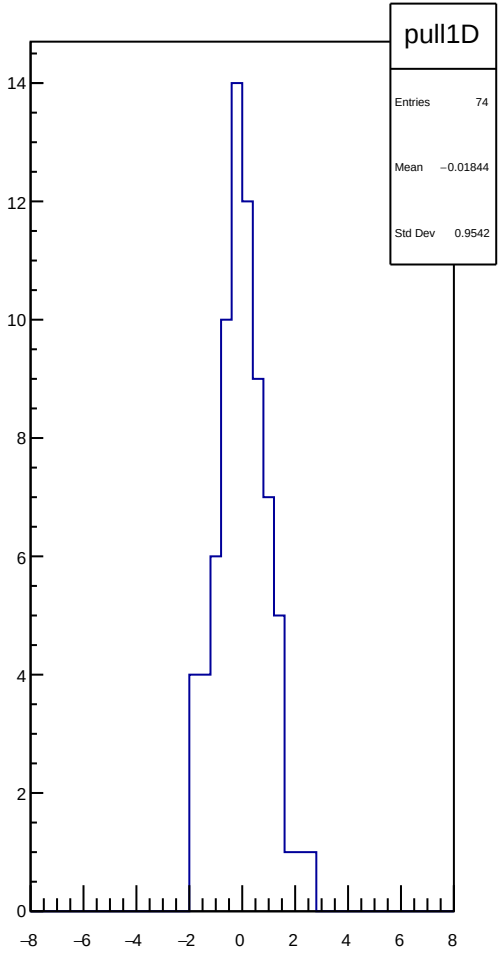

asym_sam5_correction_rms vs run
χ² / ndf 3782 / 73
p0 1082 ± 0.8744
1250
1200
1150
1100
1050
1000
950

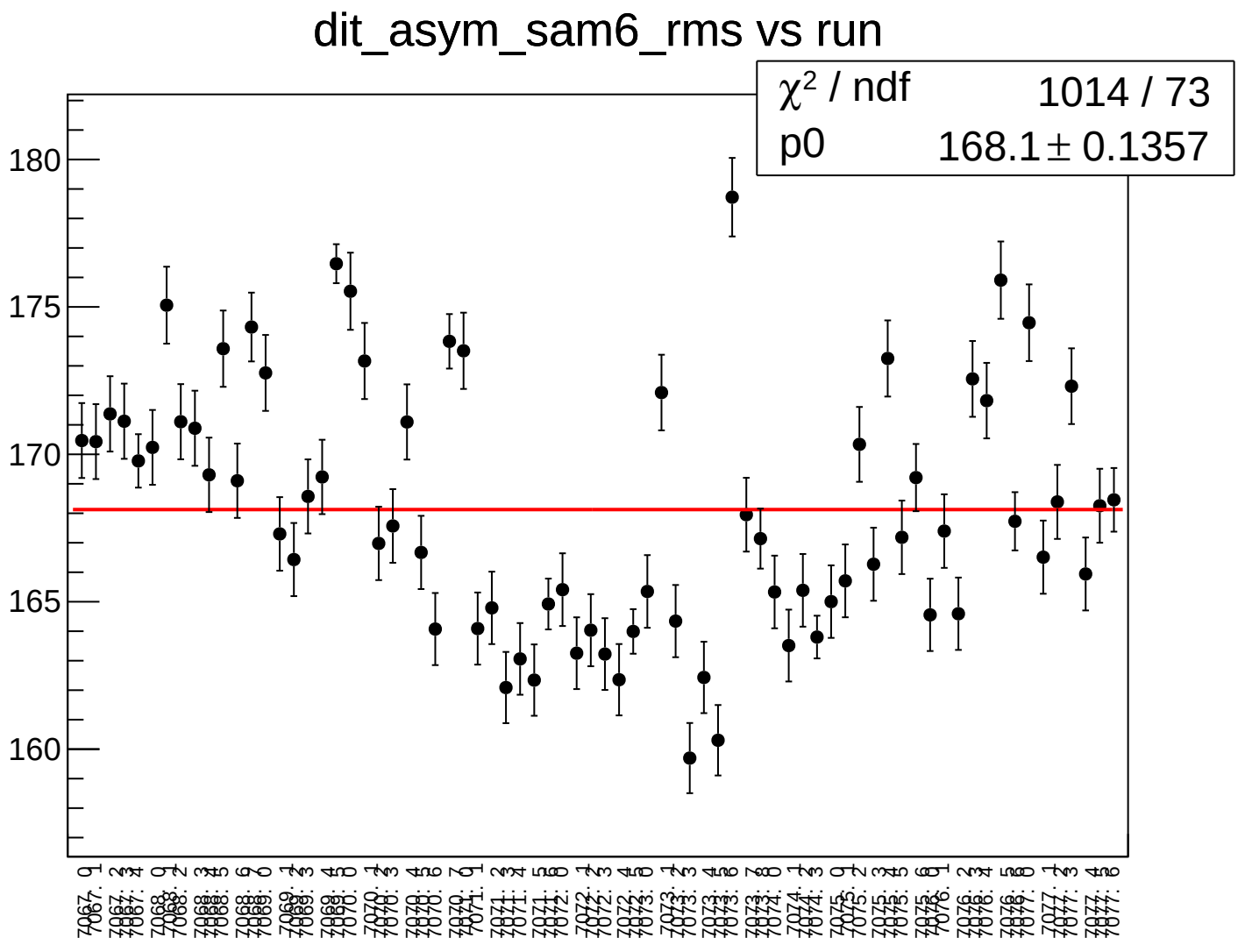

asym_sam5_mean vs run
χ² / ndf 61.92 / 73
p0 −1755 ± 1233
pull
Entries 74
Mean 113.6
Std Dev 66.87

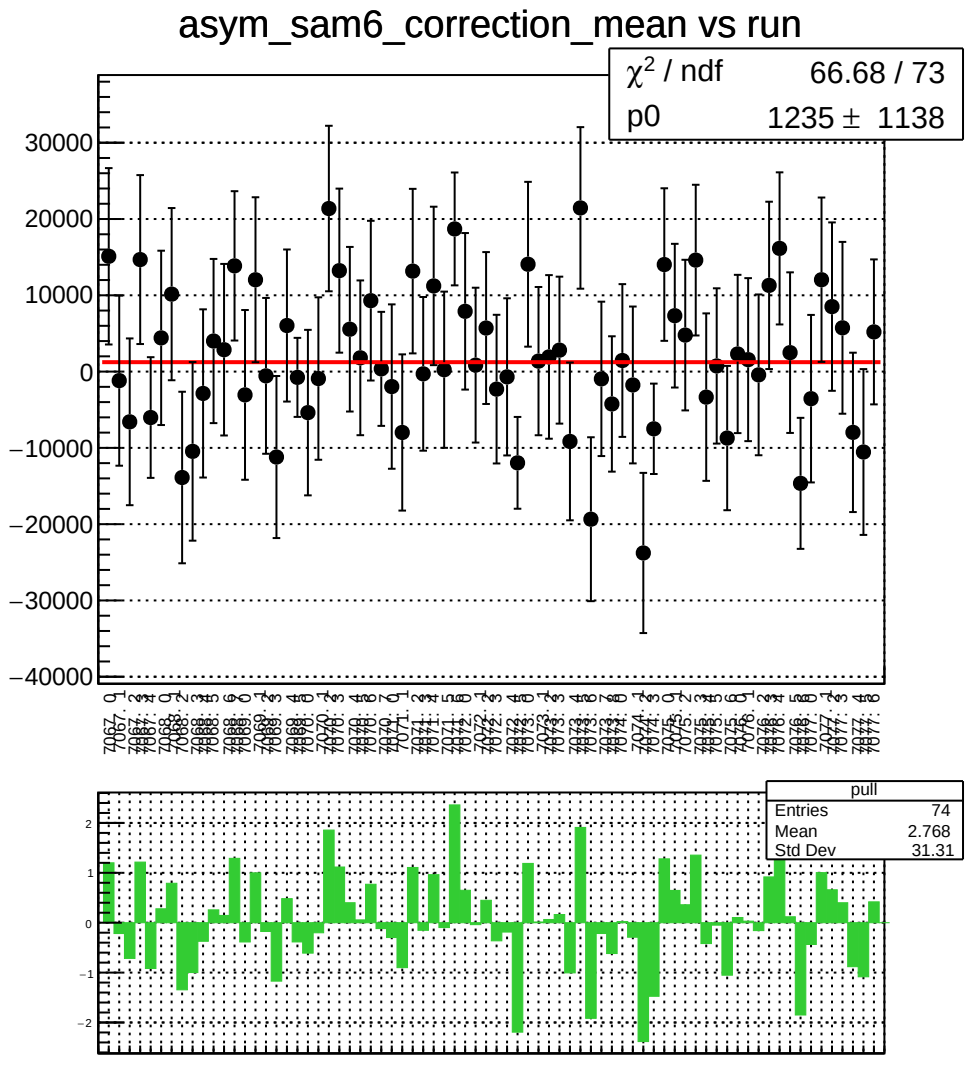

pull1D
Entries 74
Mean −0.02589
Std Dev 0.9144

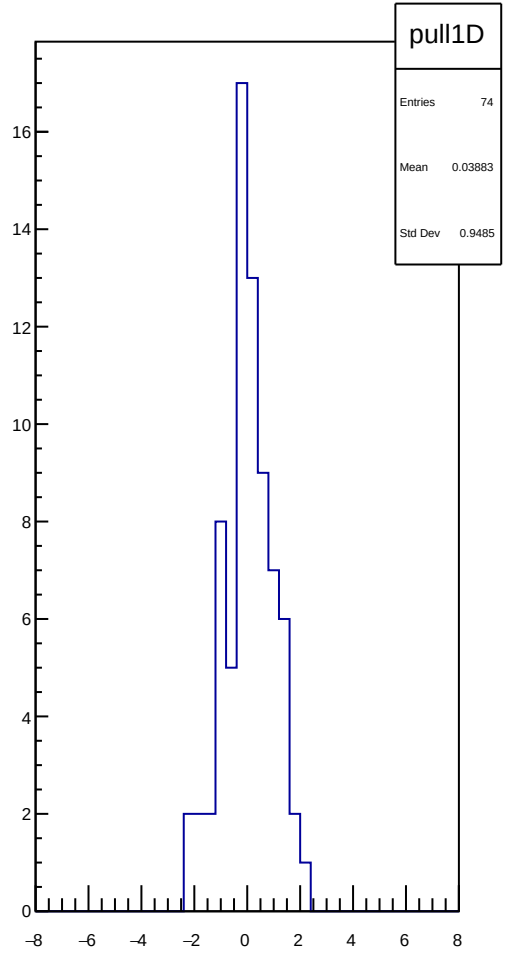

asym_sam5_rms vs run
χ² / ndf 4333 / 73
p0 1079 ± 0.8721
1250
1200
1150
1100
1050
1000
950

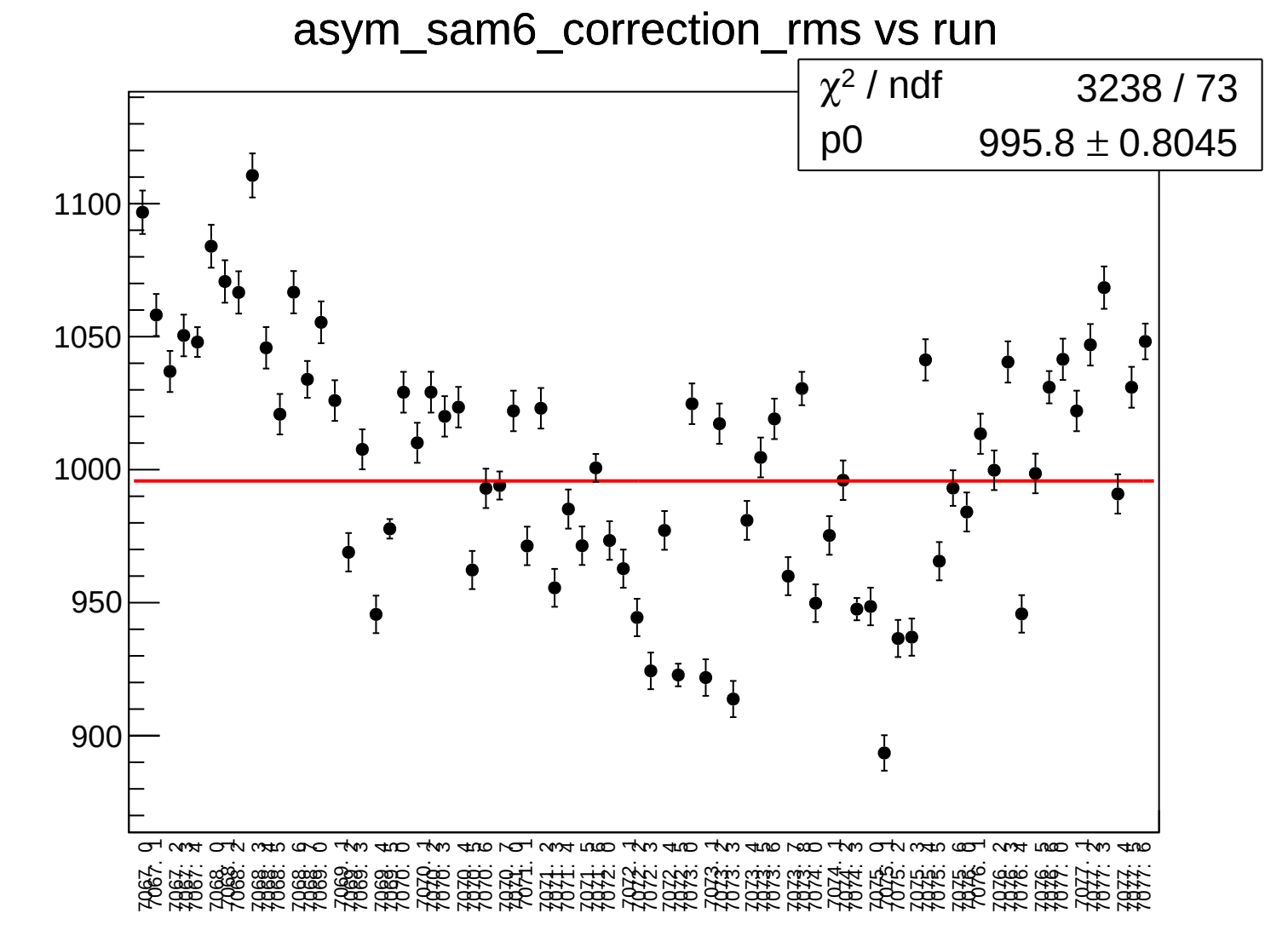

dit_asym_sam6_mean vs run
χ² / ndf 67.4 / 73
p0 −341.5 ± 192
pull
Entries 74
Mean 39.29
Std Dev 67.44

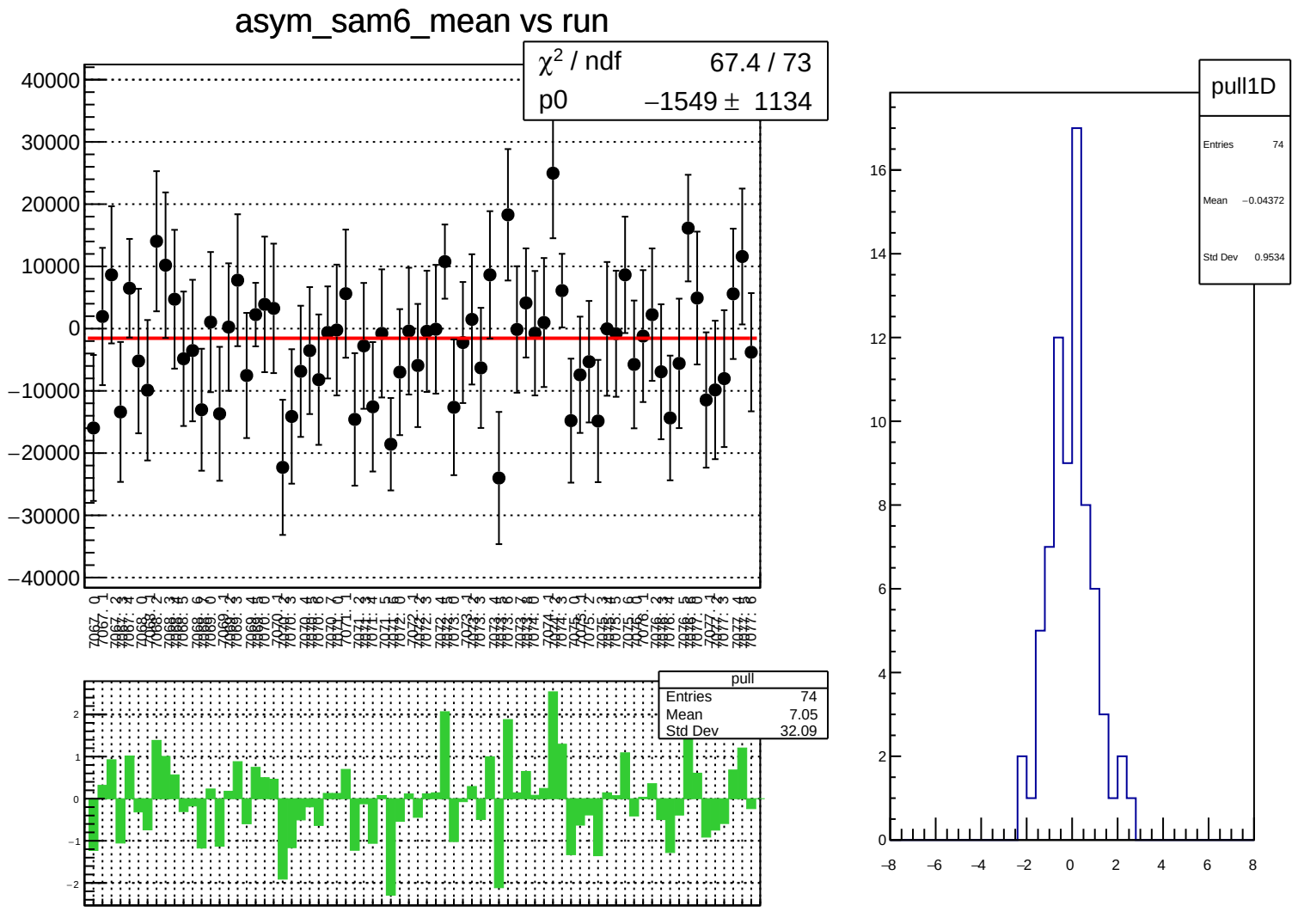

pull1D
Entries 74
Mean −0.01844
Std Dev 0.9542

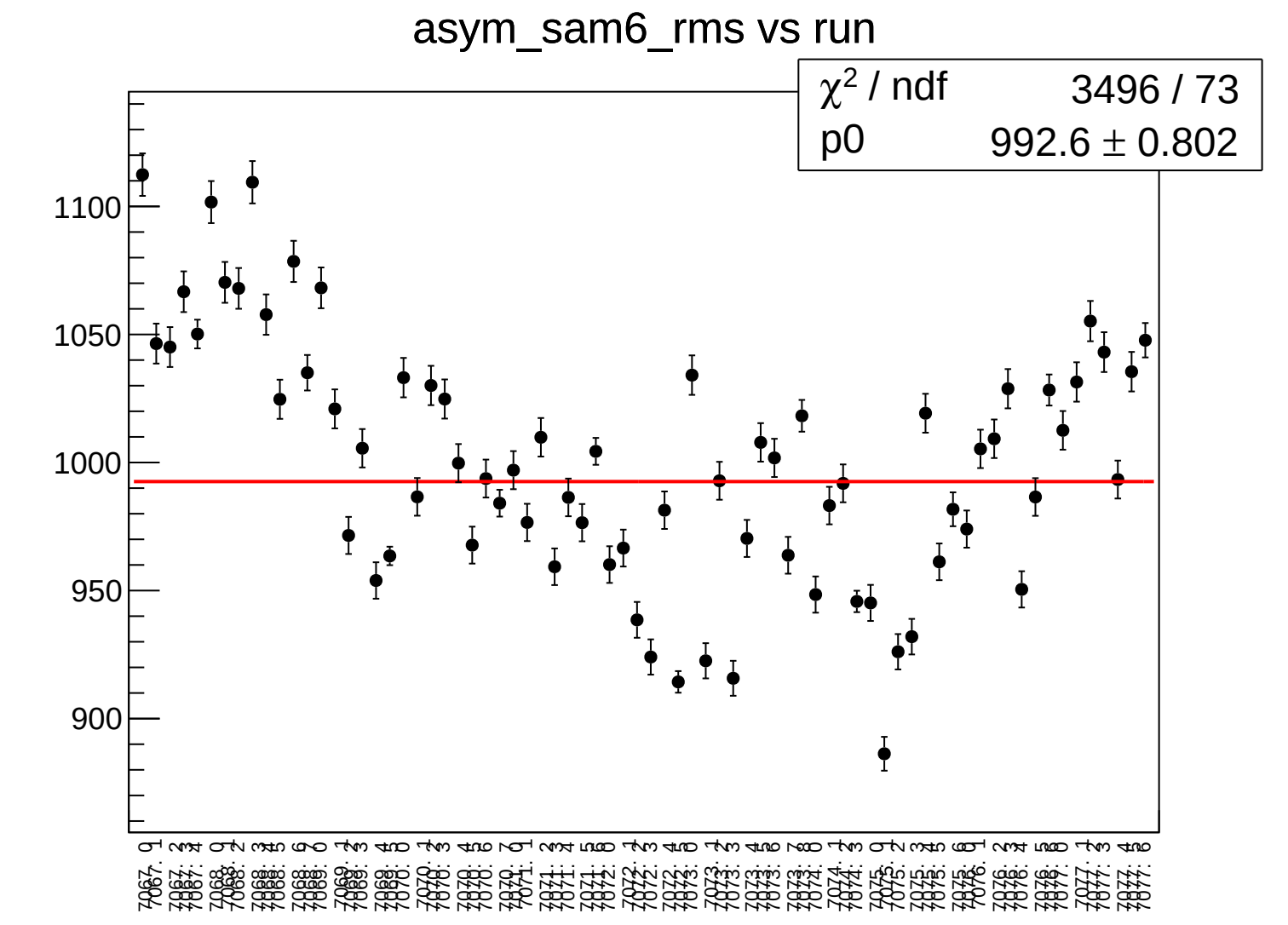

dit_asym_sam6_rms vs run
χ² / ndf 1014 / 73
p0 168.1 ± 0.1357
180
175
170
165
160

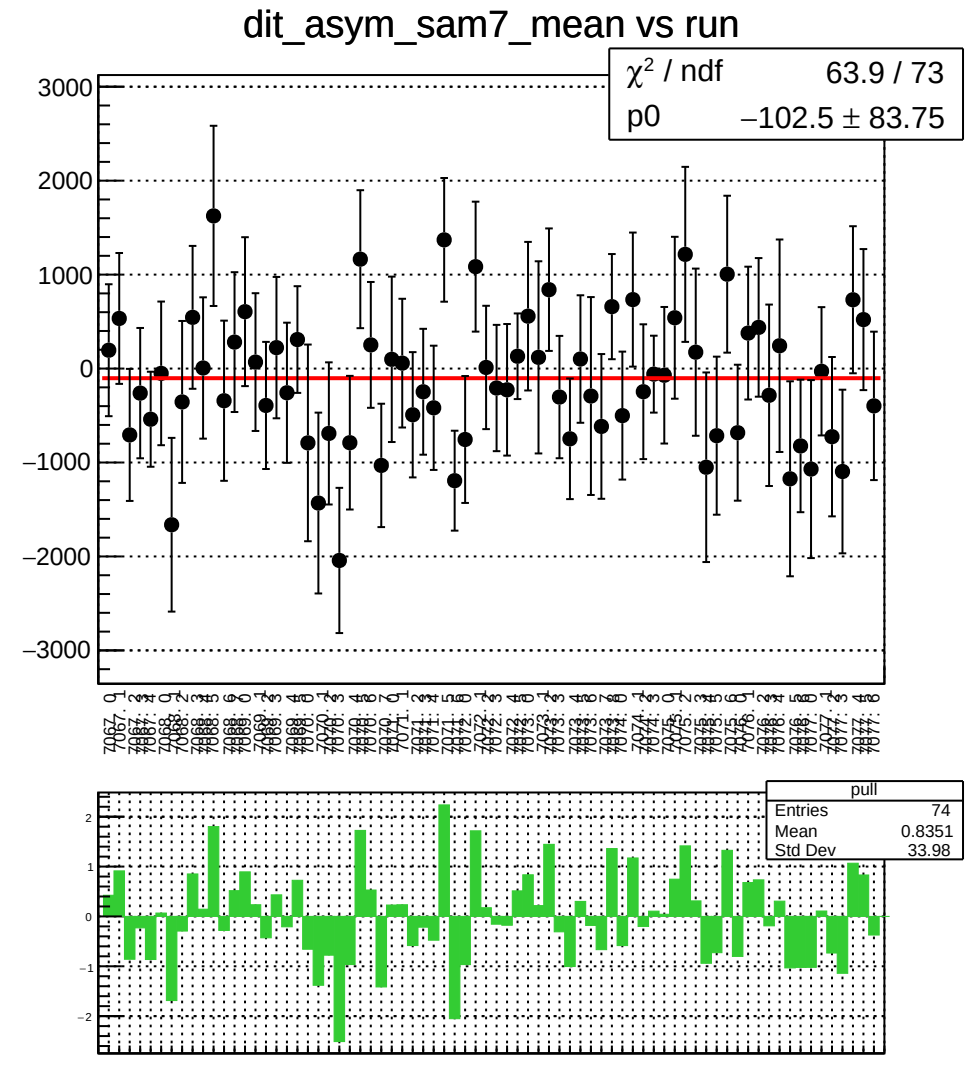

asym_sam6_correction_mean vs run
χ² / ndf 66.68 / 73
p0 1235 ± 1138
pull
Entries 74
Mean 2.768
Std Dev 31.31

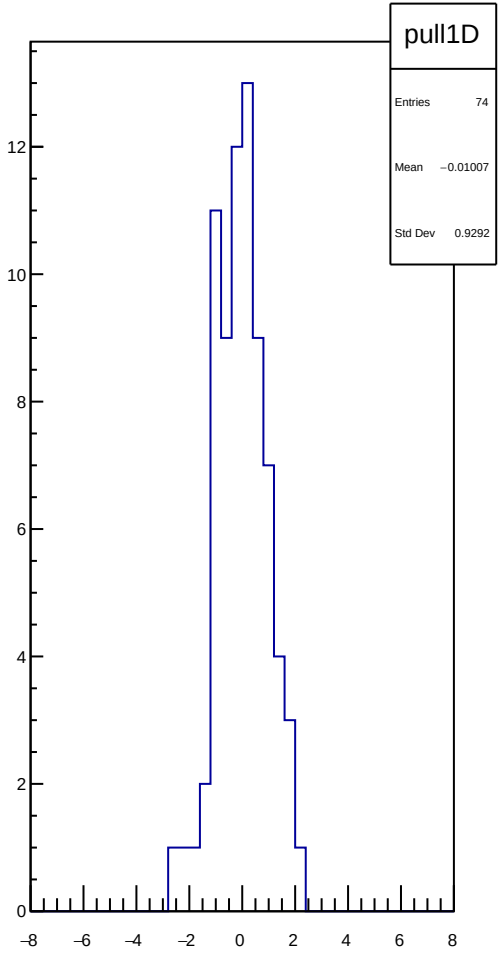

pull1D
Entries 74
Mean 0.03883
Std Dev 0.9485

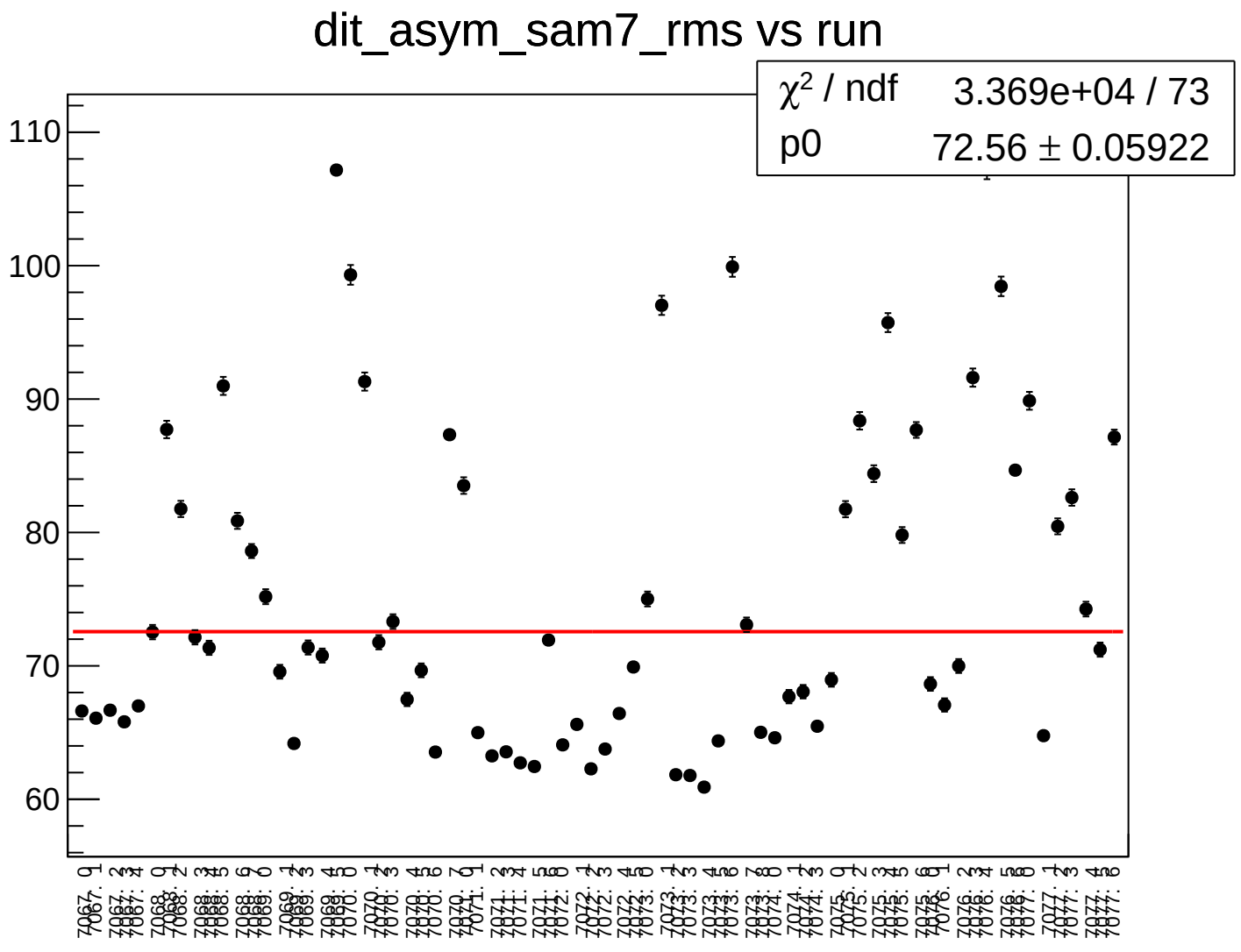

asym_sam6_correction_rms vs run
χ² / ndf 3238 / 73
p0 995.8 ± 0.8045
1100
1050
1000
950
900

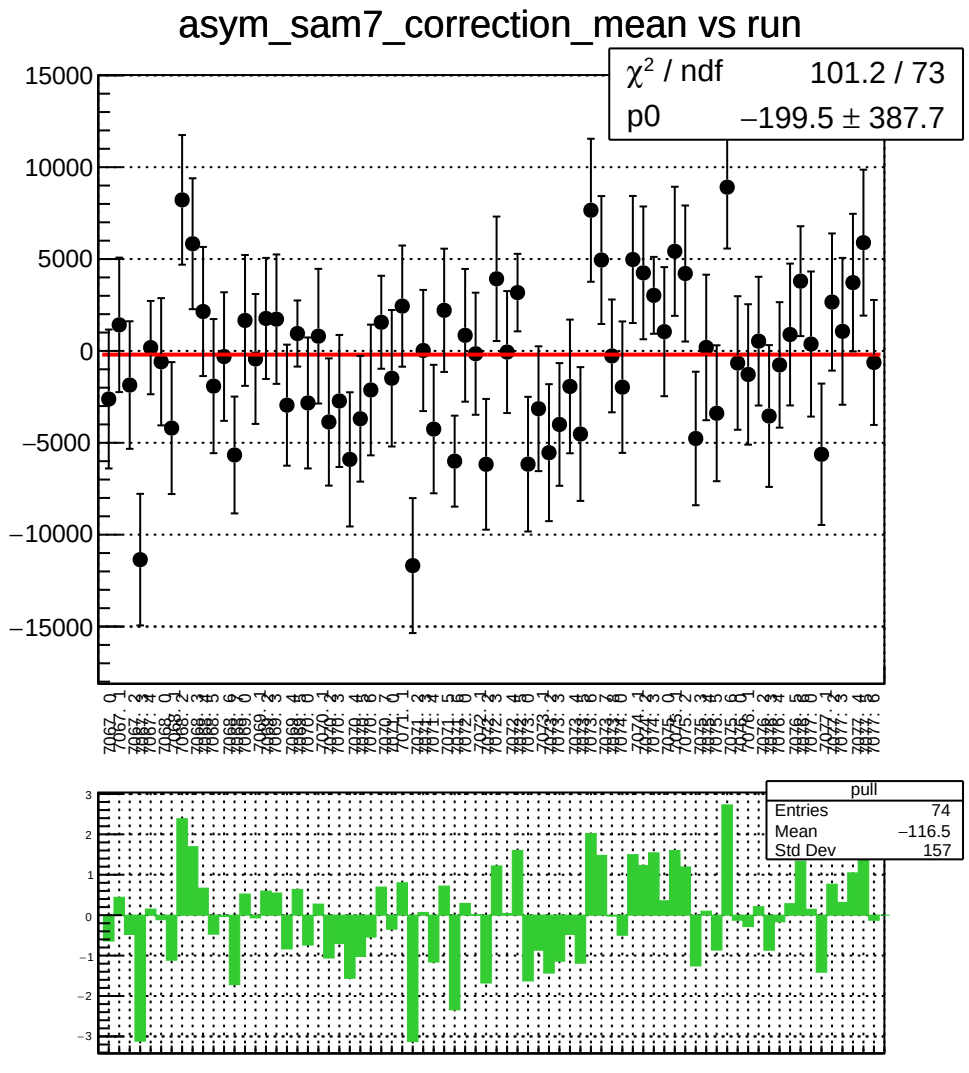

asym_sam6_mean vs run
χ² / ndf 67.4 / 73
p0 −1549 ± 1134
pull
Entries 74
Mean 7.05
Std Dev 32.09
pull1D
Entries 74
Mean −0.04372
Std Dev 0.9534

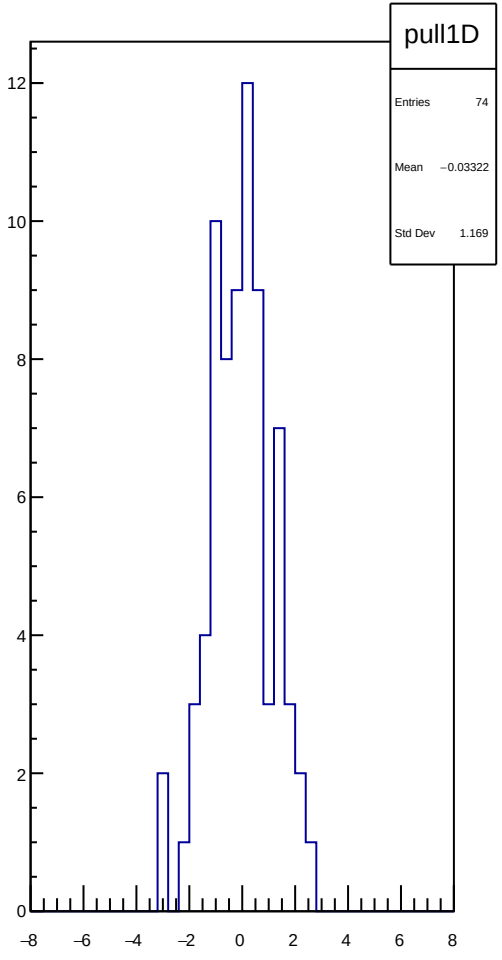

asym_sam6_rms vs run
χ² / ndf 3496 / 73
p0 992.6 ± 0.802
1100
1050
1000
950
900

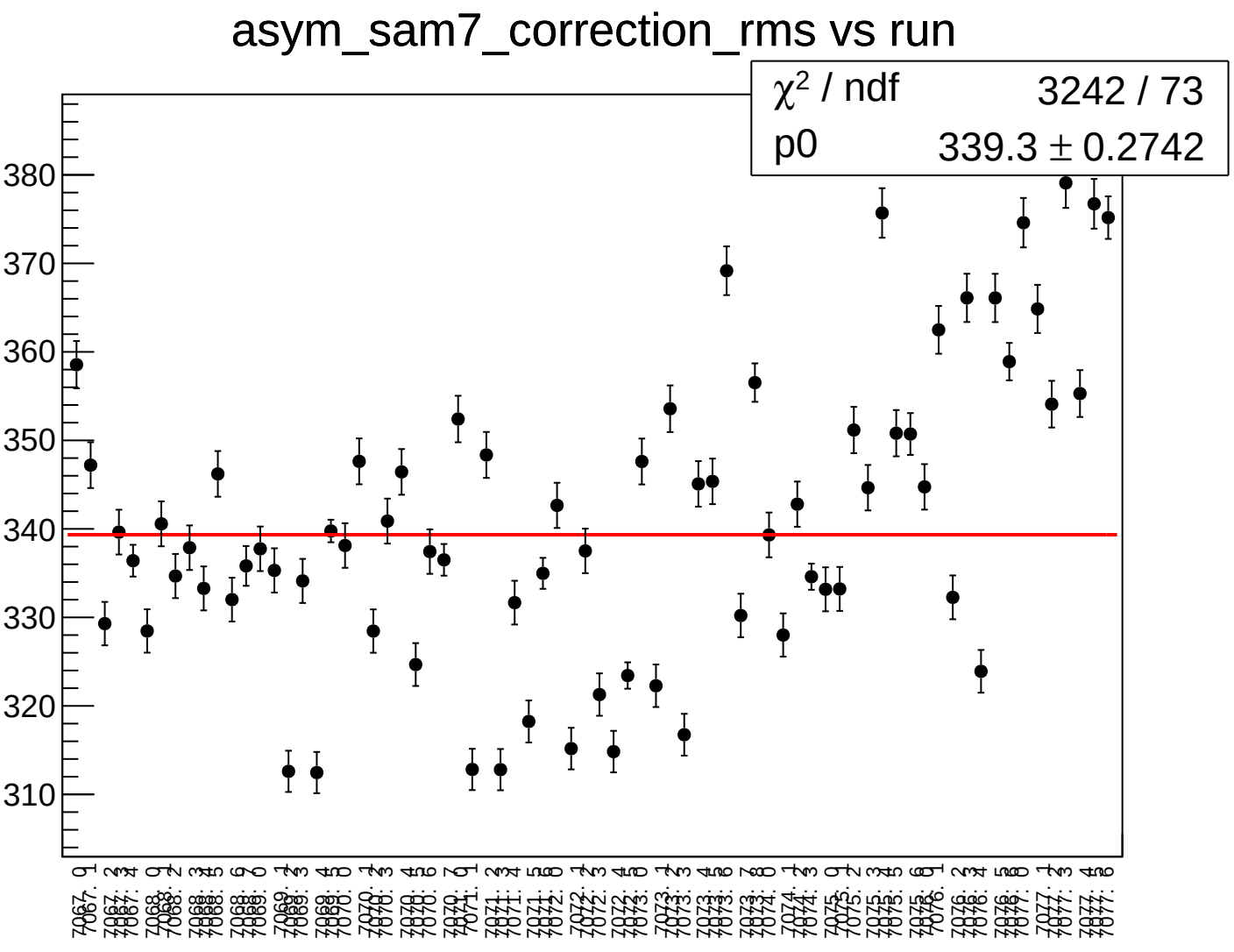

dit_asym_sam7_mean vs run
χ² / ndf 63.9 / 73
p0 −102.5 ± 83.75
pull
Entries 74
Mean 0.8351
Std Dev 33.98

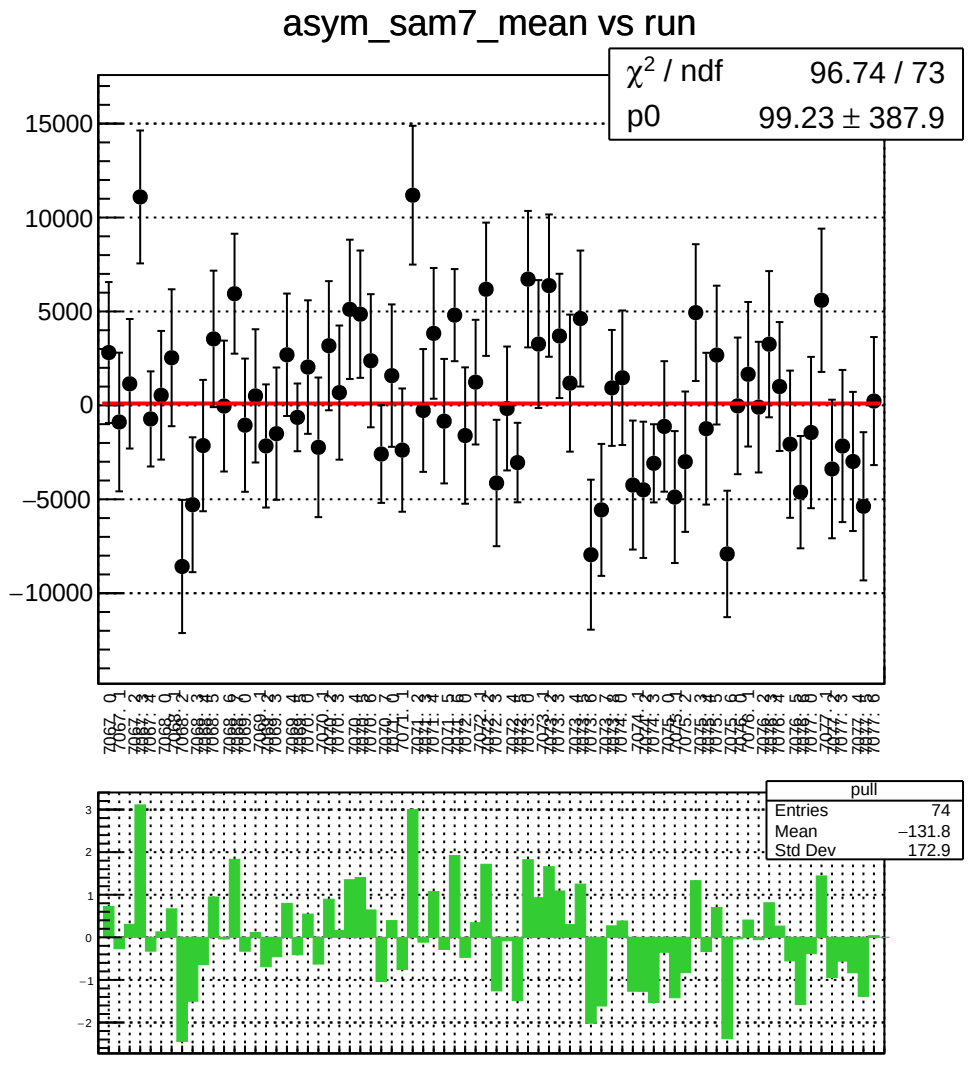

pull1D
Entries 74
Mean −0.01007
Std Dev 0.9292

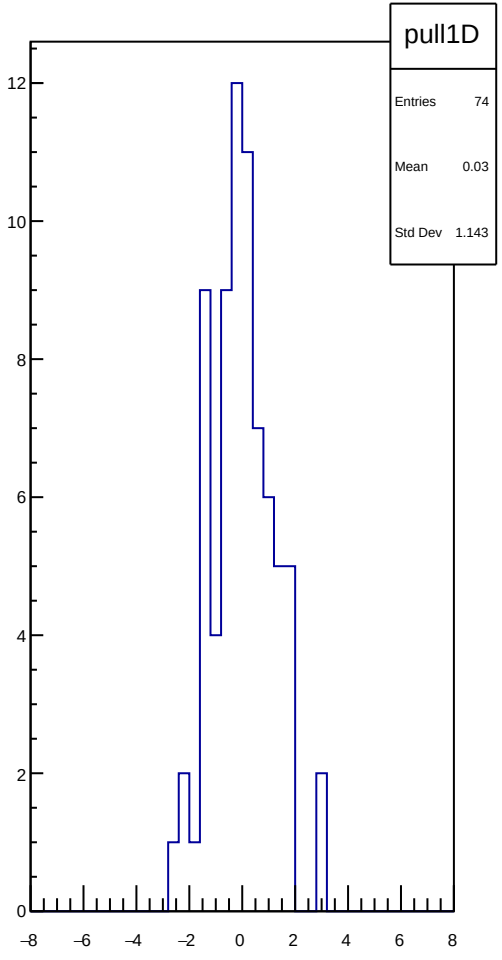

dit_asym_sam7_rms vs run
χ² / ndf 3.369e+04 / 73
p0 72.56 ± 0.05922
110
100
90
80
70
60

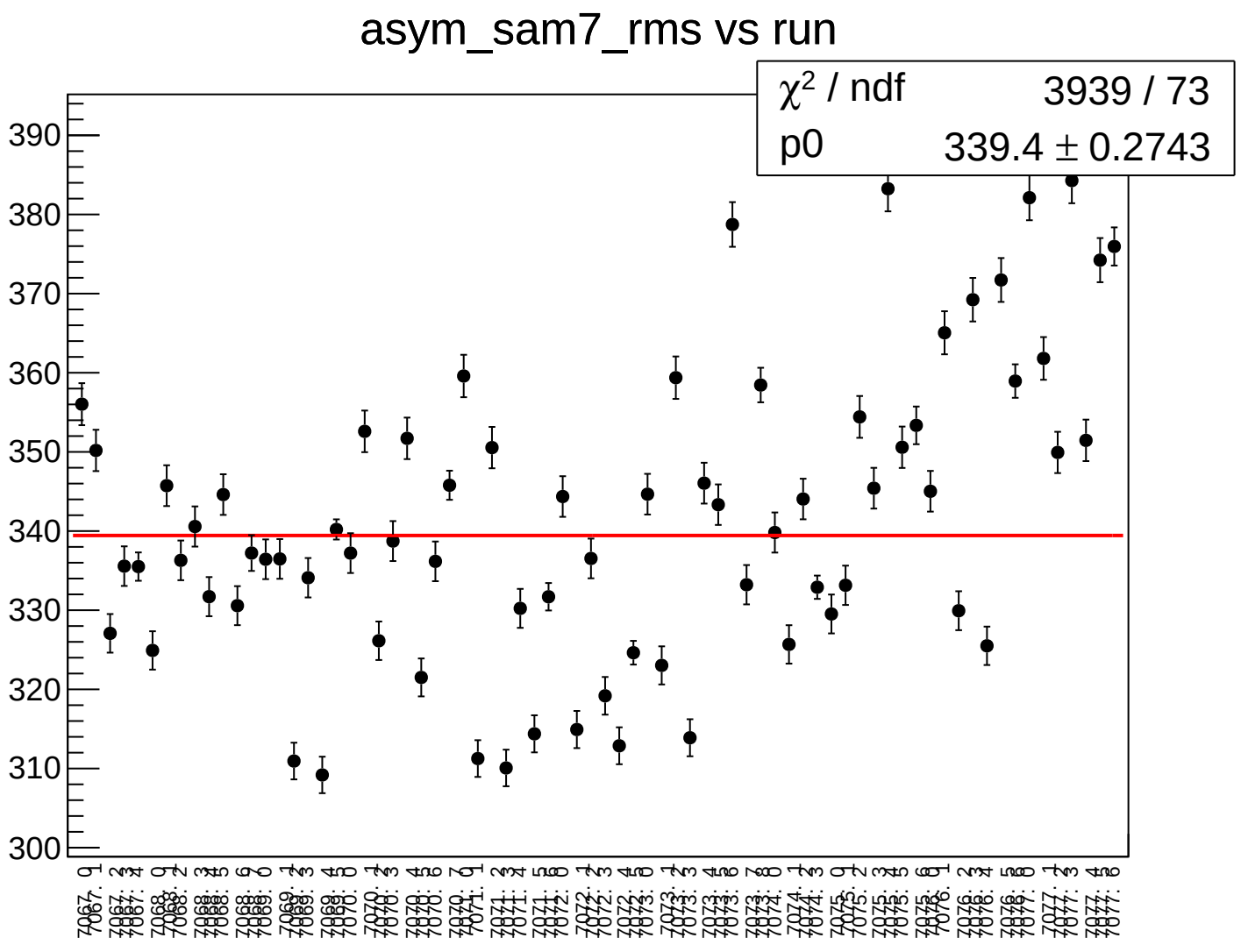

asym_sam7_correction_mean vs run
χ² / ndf 101.2 / 73
p0 −199.5 ± 387.7
pull
Entries 74
Mean −116.5
Std Dev 157

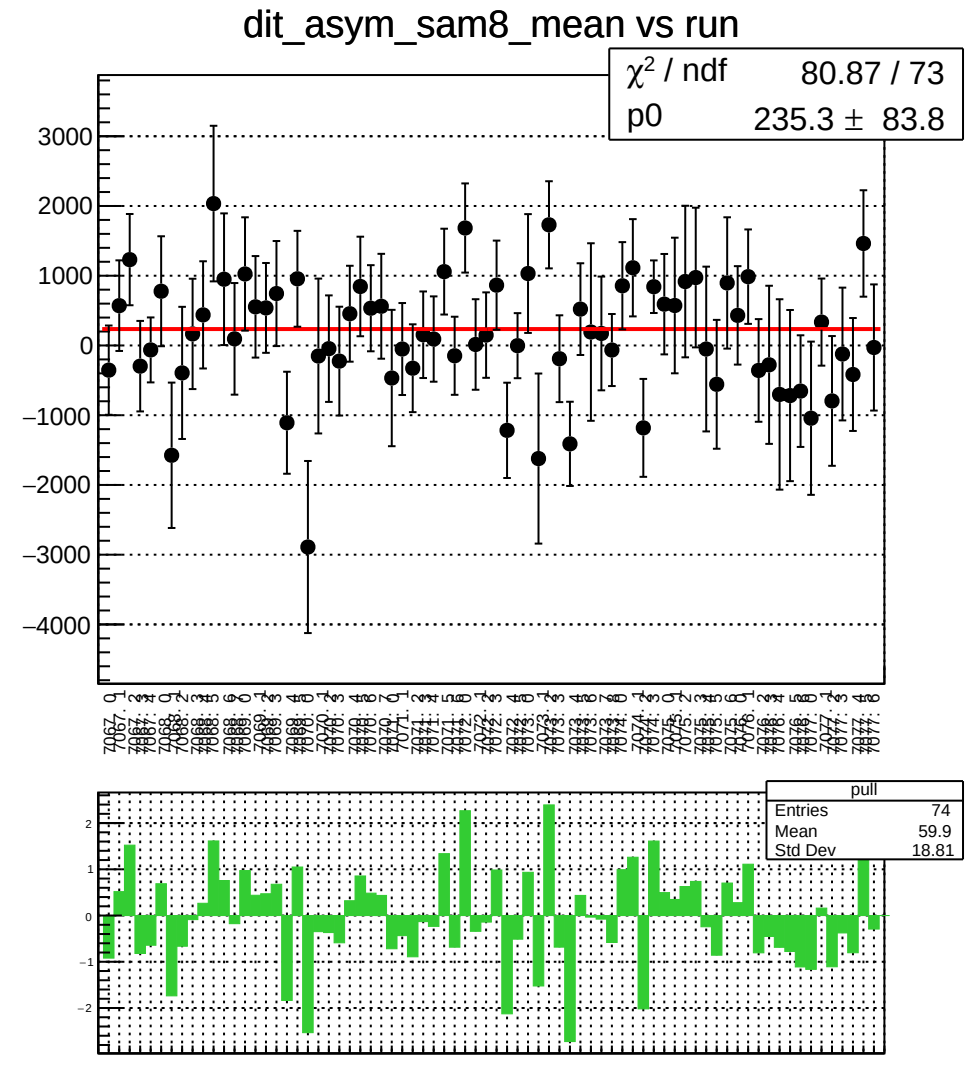

pull1D
Entries 74
Mean −0.03322
Std Dev 1.169

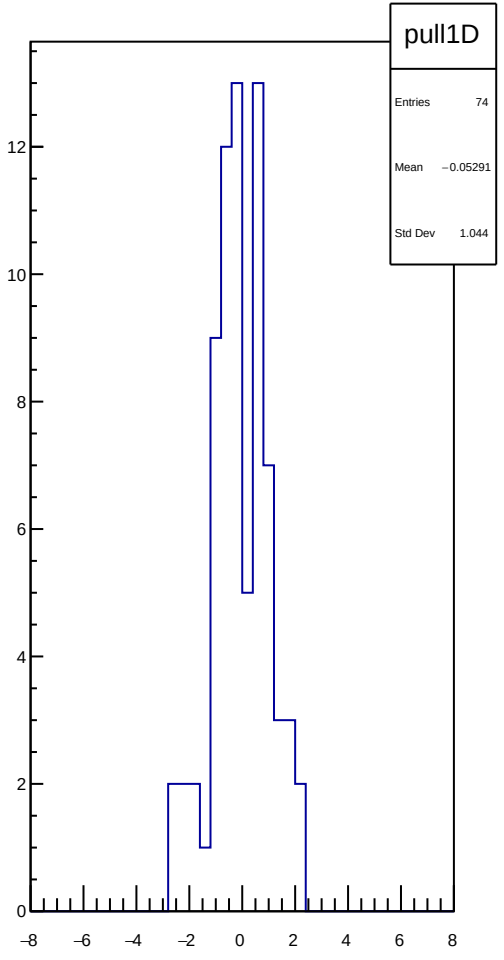

asym_sam7_correction_rms vs run
χ² / ndf 3242 / 73
p0 339.3 ± 0.2742
380
370
360
350
340
330
320
310

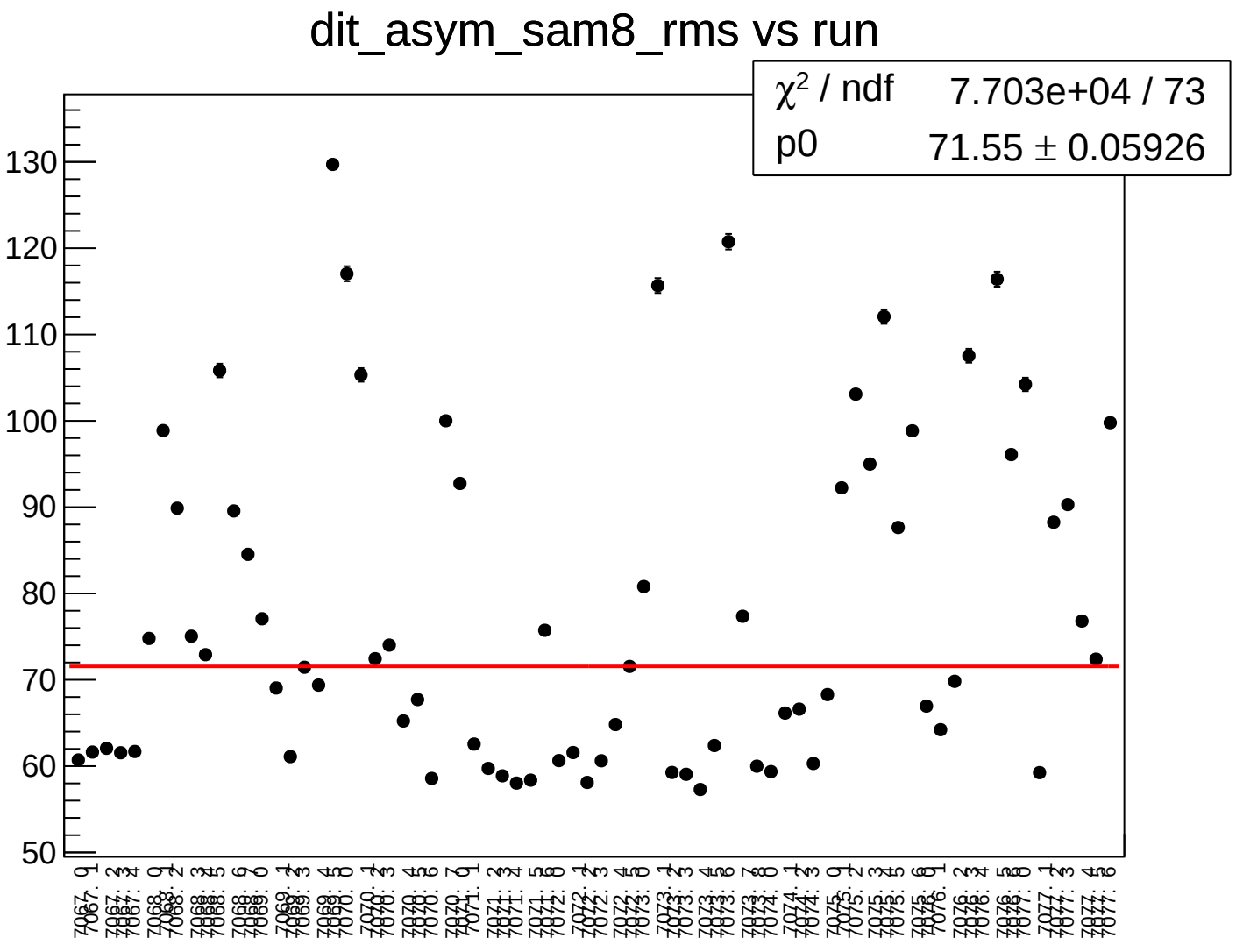

asym_sam7_mean vs run
χ² / ndf 96.74 / 73
p0 99.23 ± 387.9
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −131.8
Std Dev 172.9
3
2
1
0
−1
−2

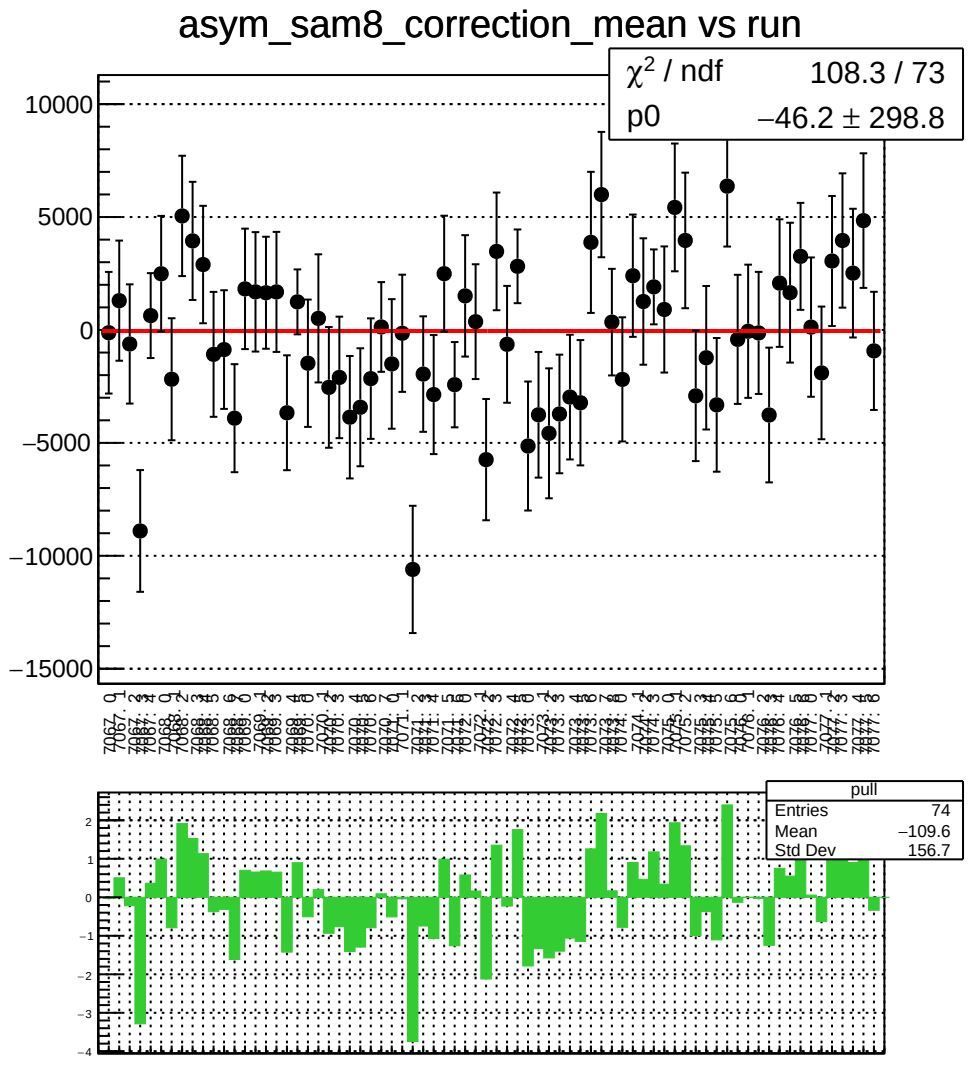

pull1D
Entries 74
Mean 0.03
Std Dev 1.143
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

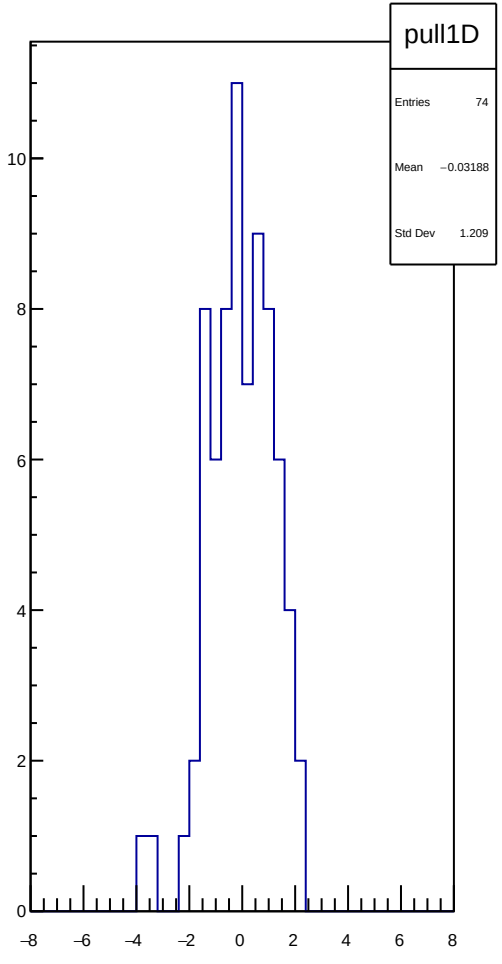

asym_sam7_rms vs run
χ² / ndf 3939 / 73
p0 339.4 ± 0.2743
390
380
370
360
350
340
330
320
310
300

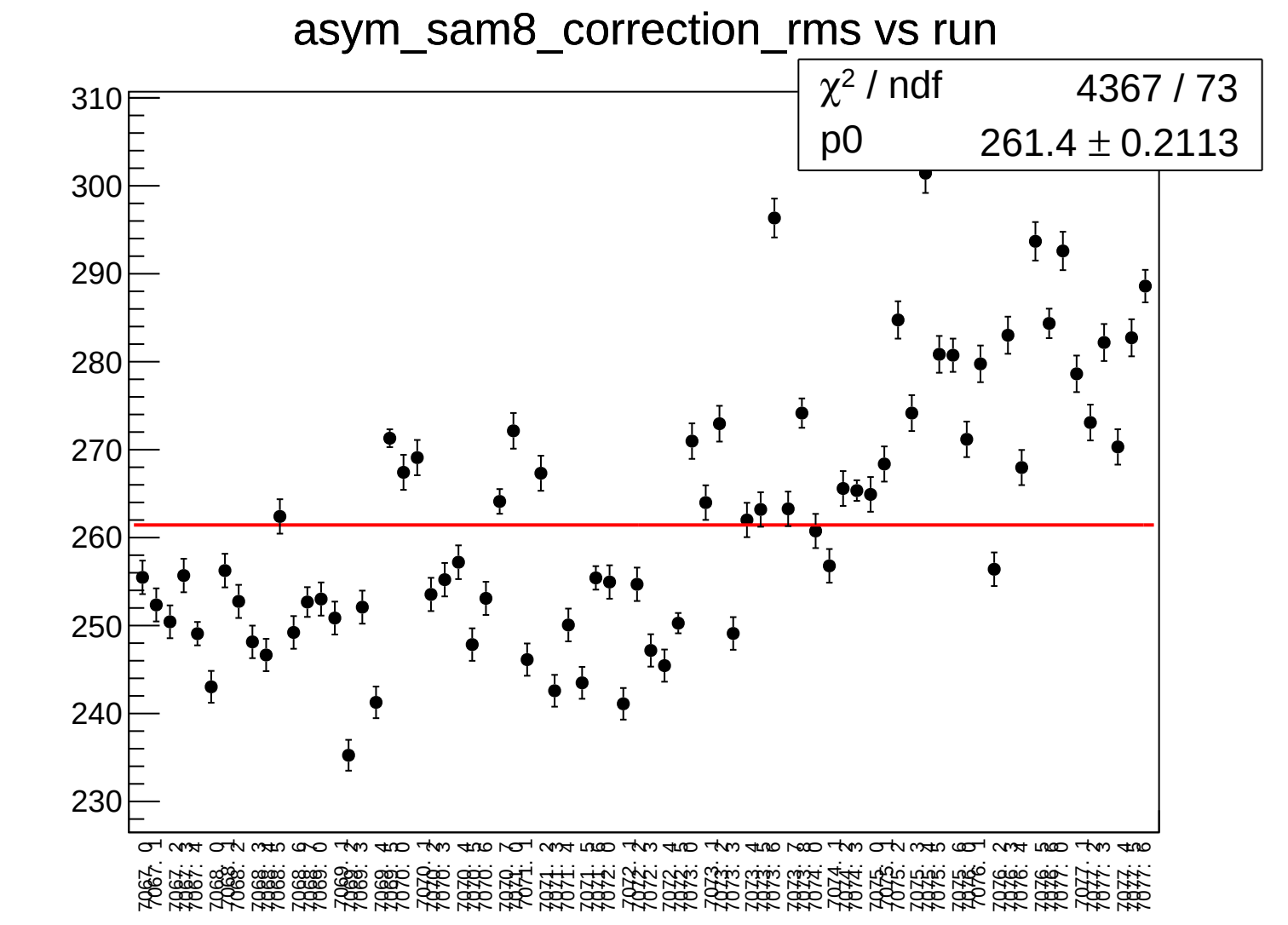

dit_asym_sam8_mean vs run
χ² / ndf 80.87 / 73
p0 235.3 ± 83.8
pull
Entries 74
Mean 59.9
Std Dev 18.81

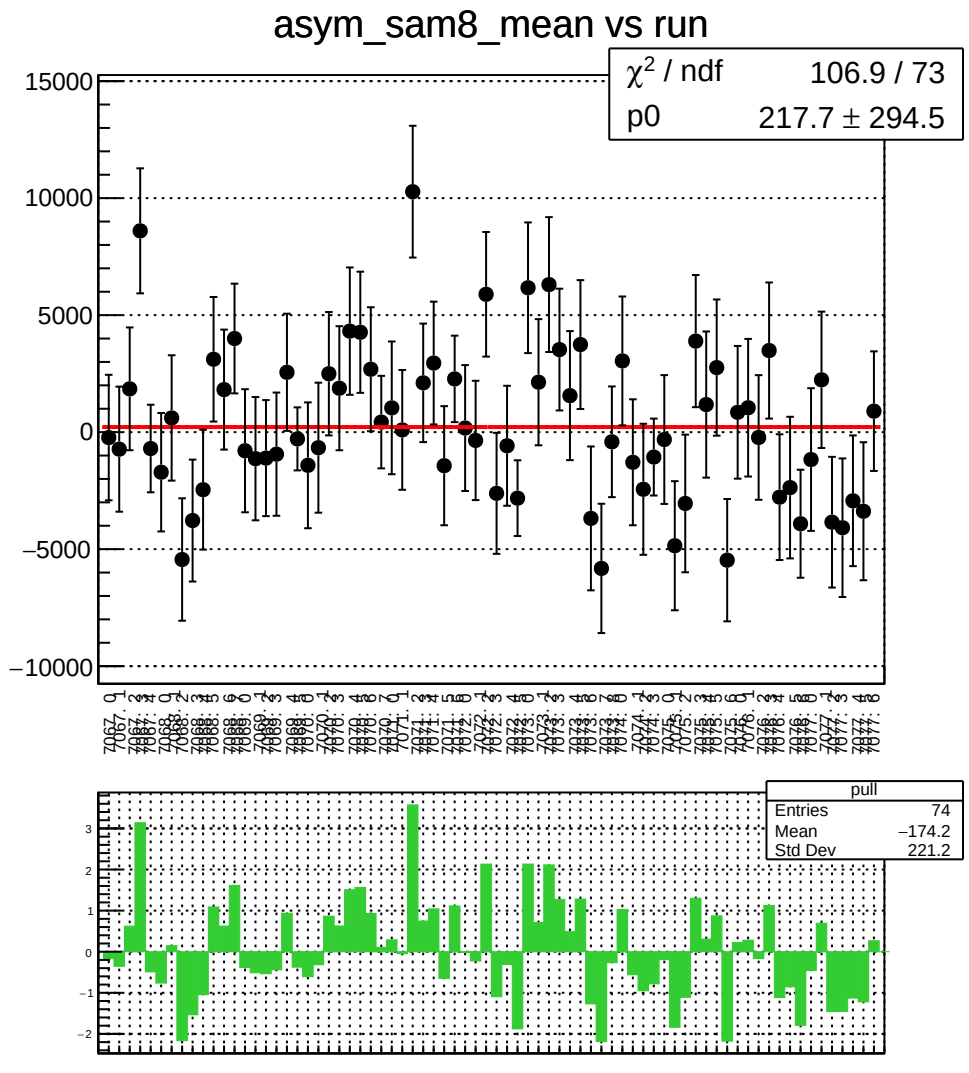

pull1D
Entries 74
Mean −0.05291
Std Dev 1.044

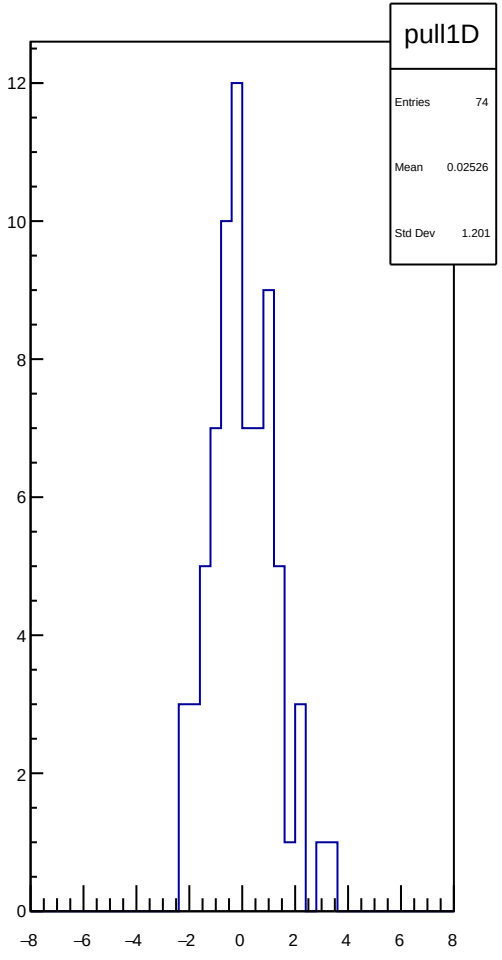

dit_asym_sam8_rms vs run
χ² / ndf 7.703e+04 / 73
p0 71.55 ± 0.05926
130
120
110
100
90
80
70
60
50

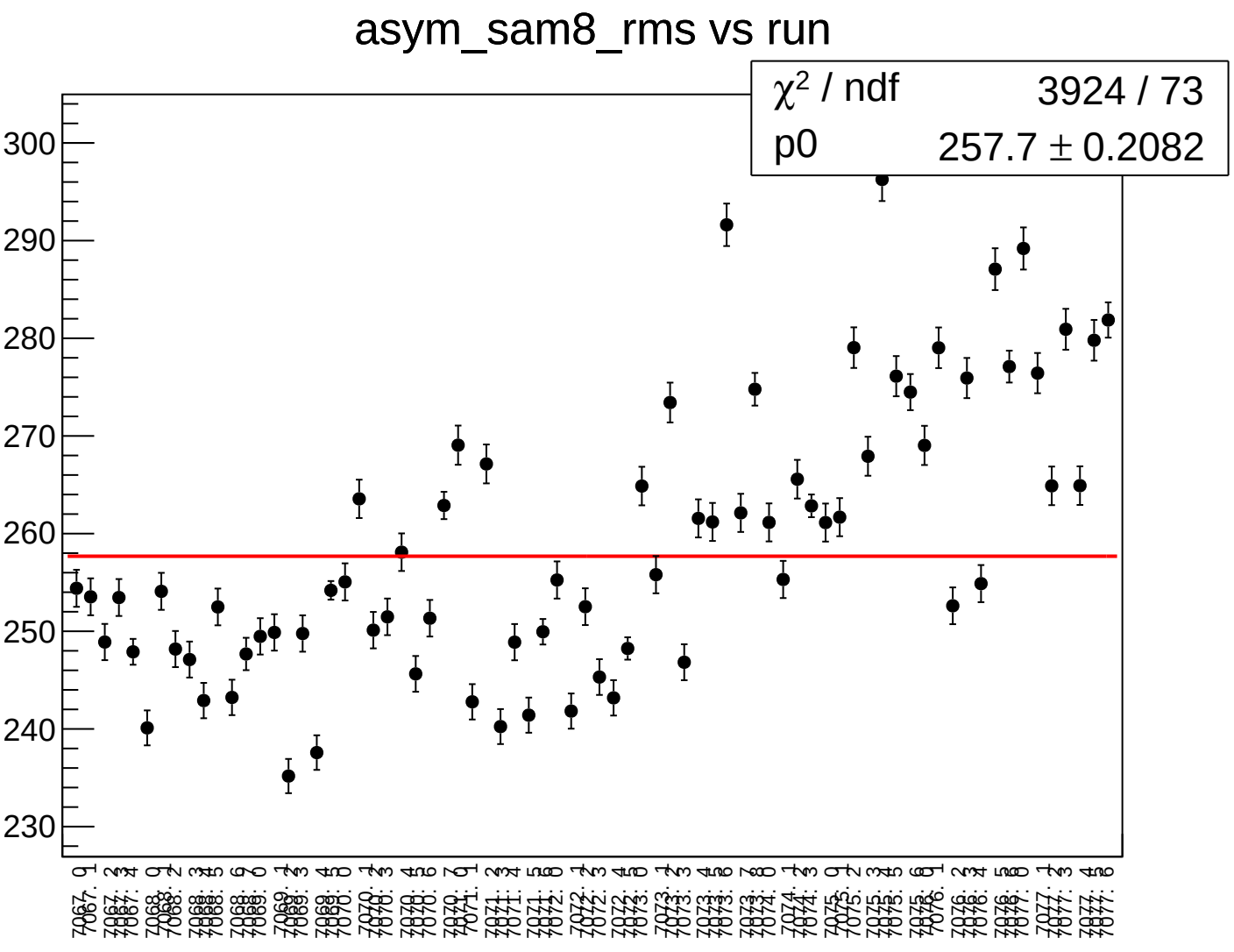

asym_sam8_correction_mean vs run
χ² / ndf 108.3 / 73
p0 −46.2 ± 298.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −109.6
Std Dev 156.7
2
1
0
−1
−2
−3
−4

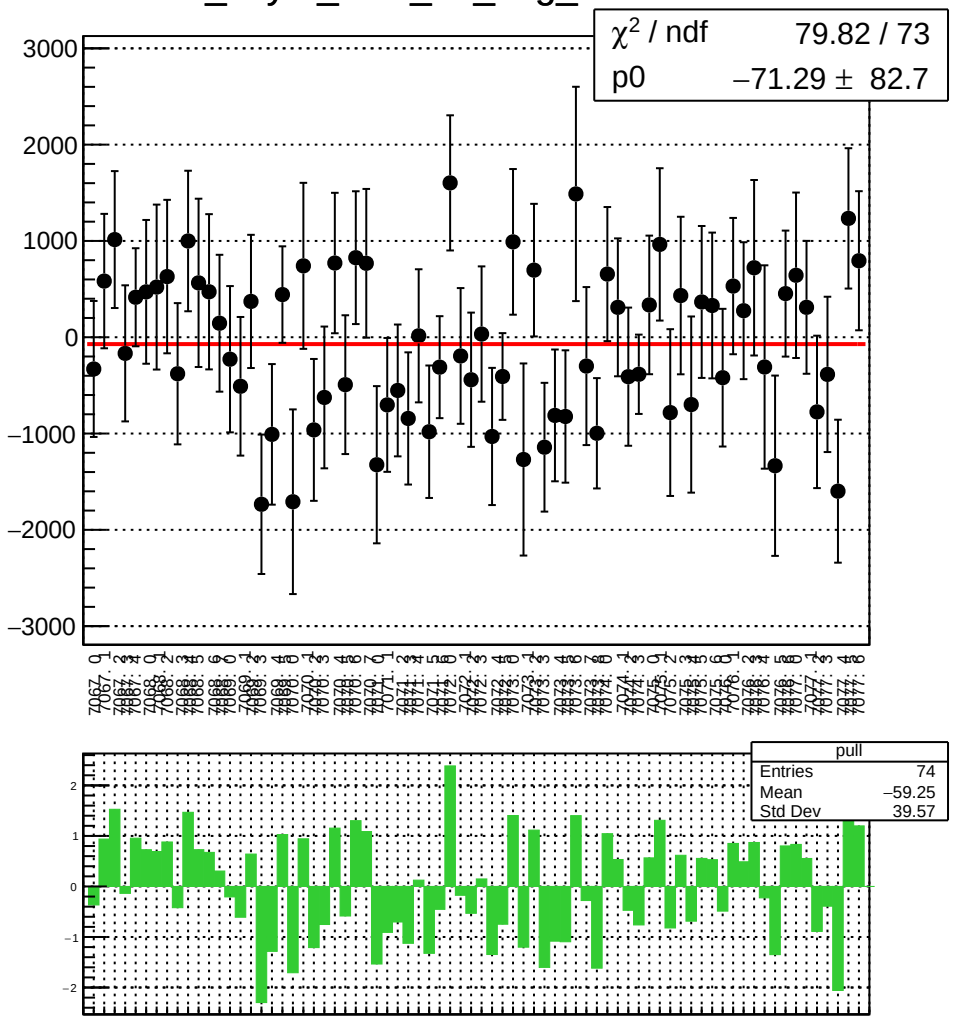

pull1D
Entries 74
Mean −0.03188
Std Dev 1.209
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

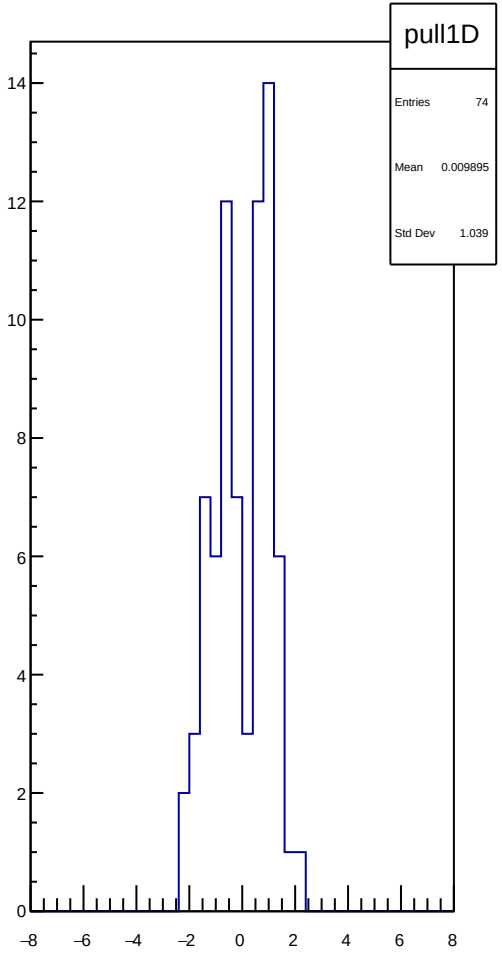

asym_sam8_correction_rms vs run
χ² / ndf 4367 / 73
p0 261.4 ± 0.2113
310
300
290
280
270
260
250
240
230

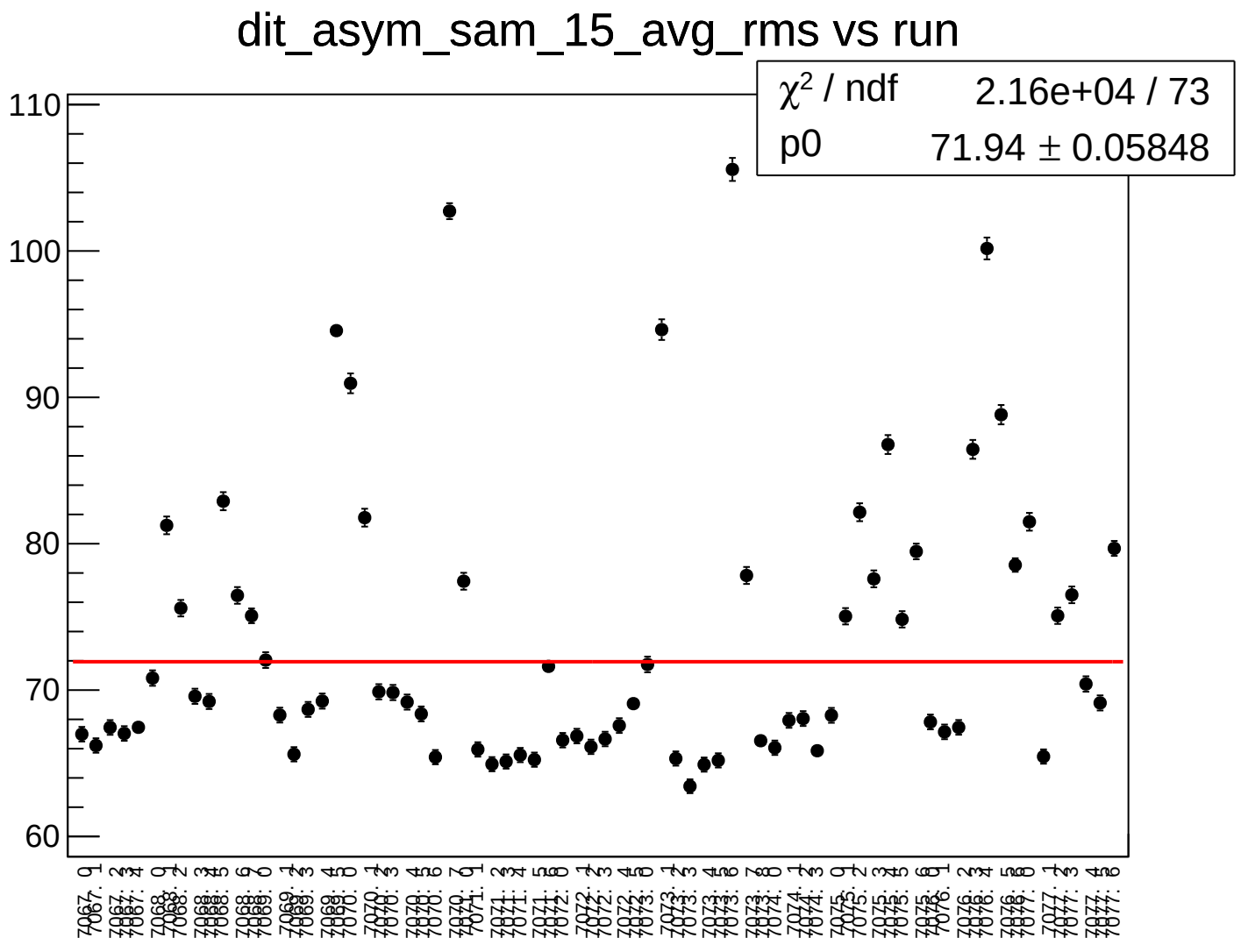

asym_sam8_mean vs run
χ² / ndf 106.9 / 73
p0 217.7 ± 294.5
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −174.2
Std Dev 221.2
3
2
1
0
−1
−2

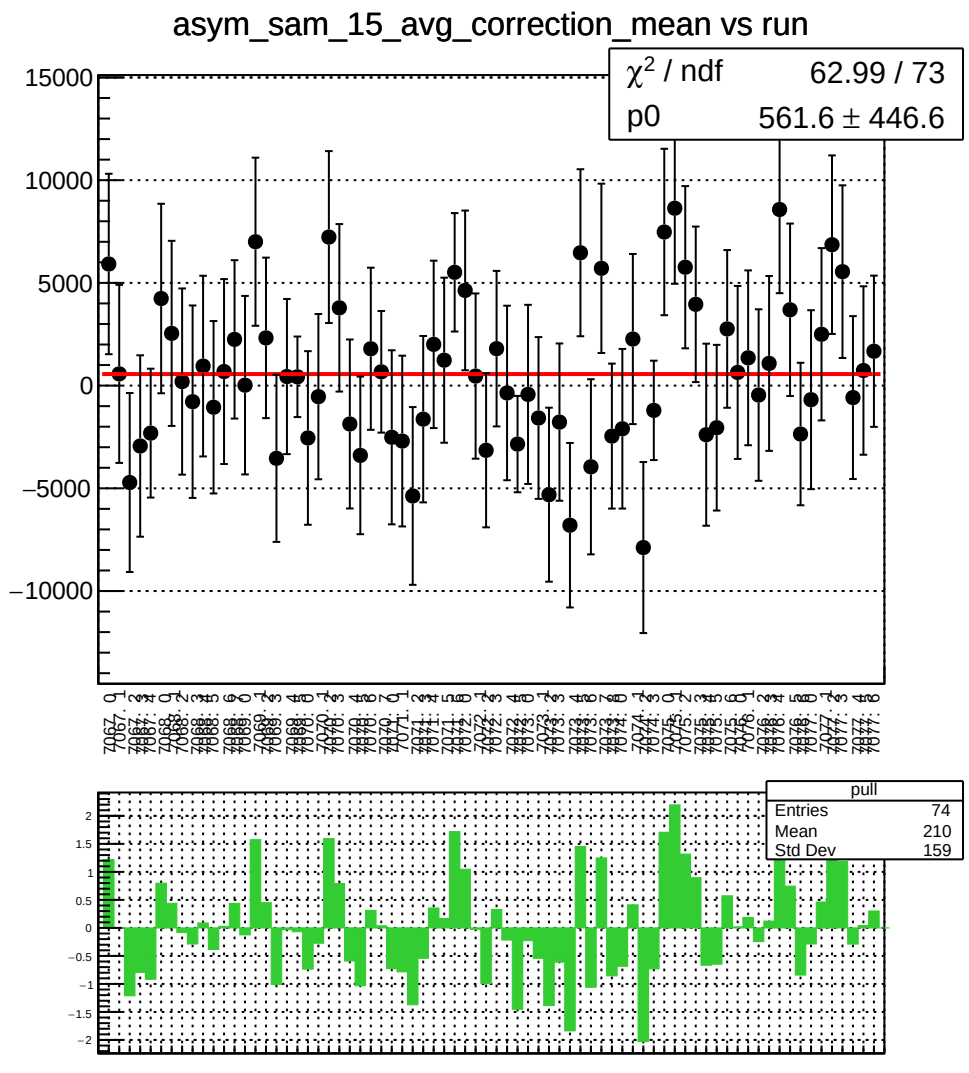

pull1D
Entries 74
Mean 0.02526
Std Dev 1.201
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

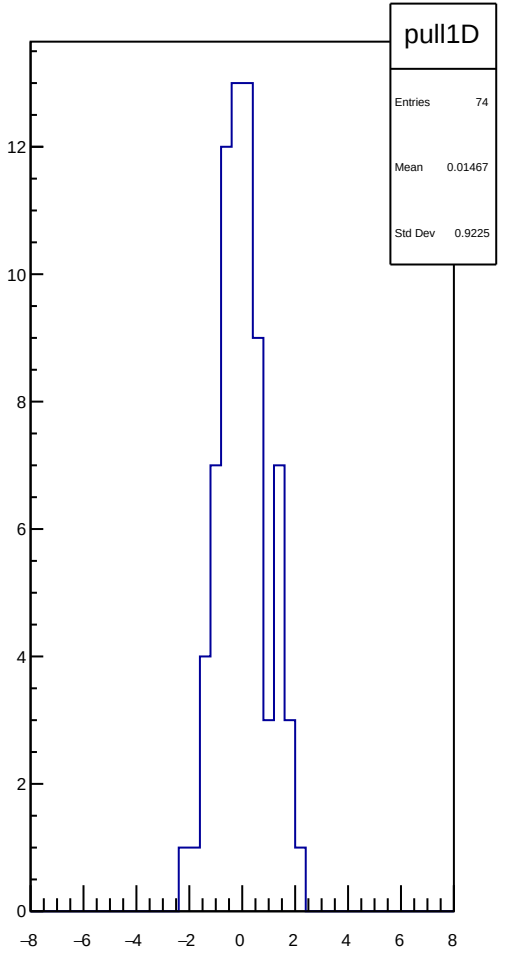

asym_sam8_rms vs run
χ² / ndf 3924 / 73
p0 257.7 ± 0.2082
300
290
280
270
260
250
240
230

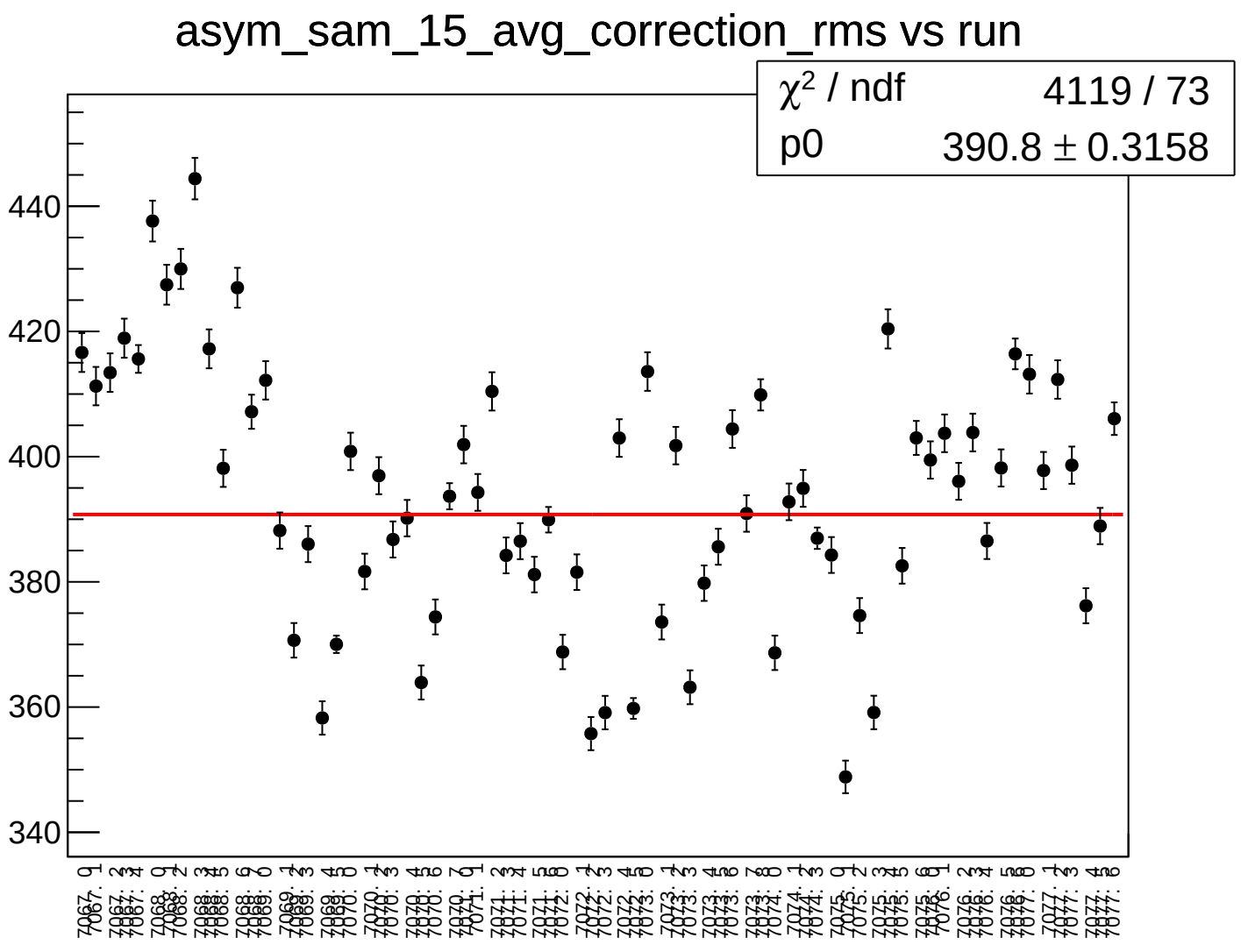

dit_asym_sam_15_avg_mean vs run
χ² / ndf 79.82 / 73
p0 −71.29 ± 82.7
pull
Entries 74
Mean −59.25
Std Dev 39.57

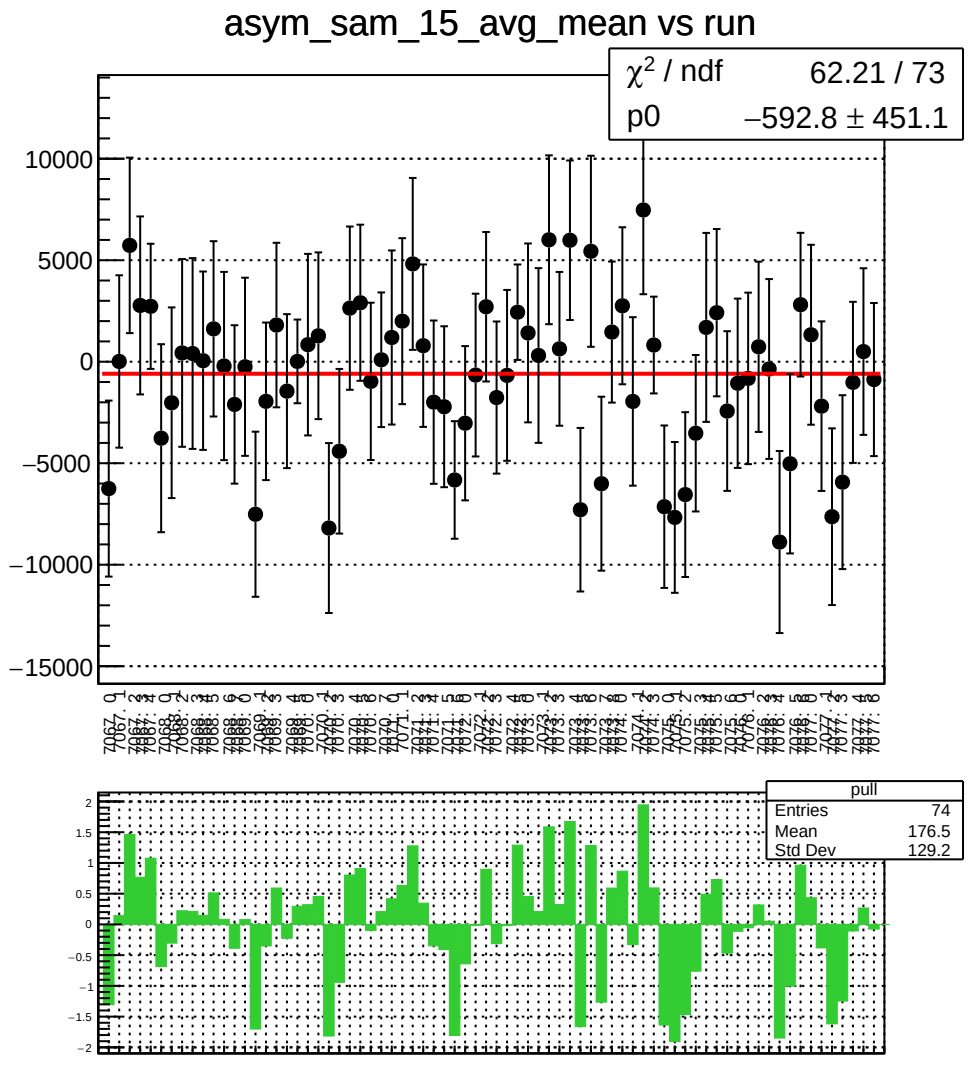

pull1D
Entries 74
Mean 0.009895
Std Dev 1.039

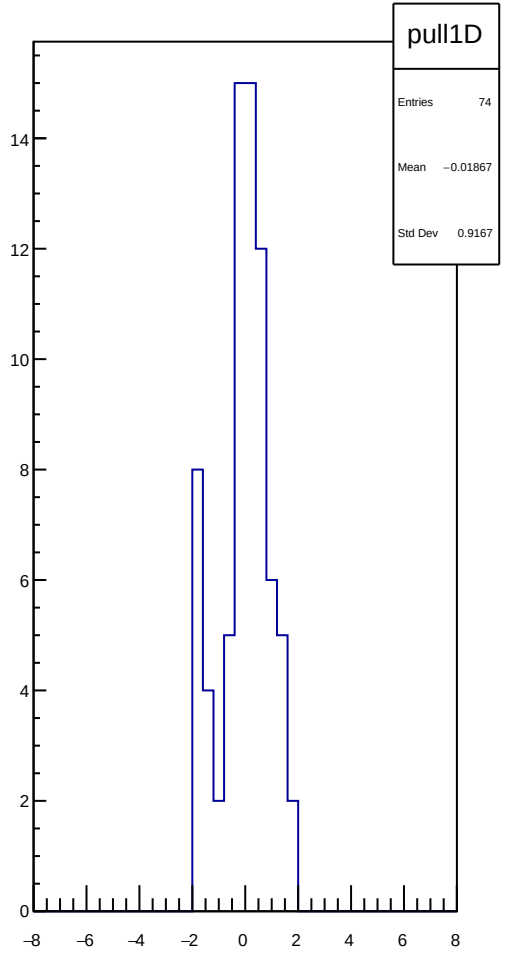

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 2.16e+04 / 73
p0 71.94 ± 0.05848
110
100
90
80
70
60

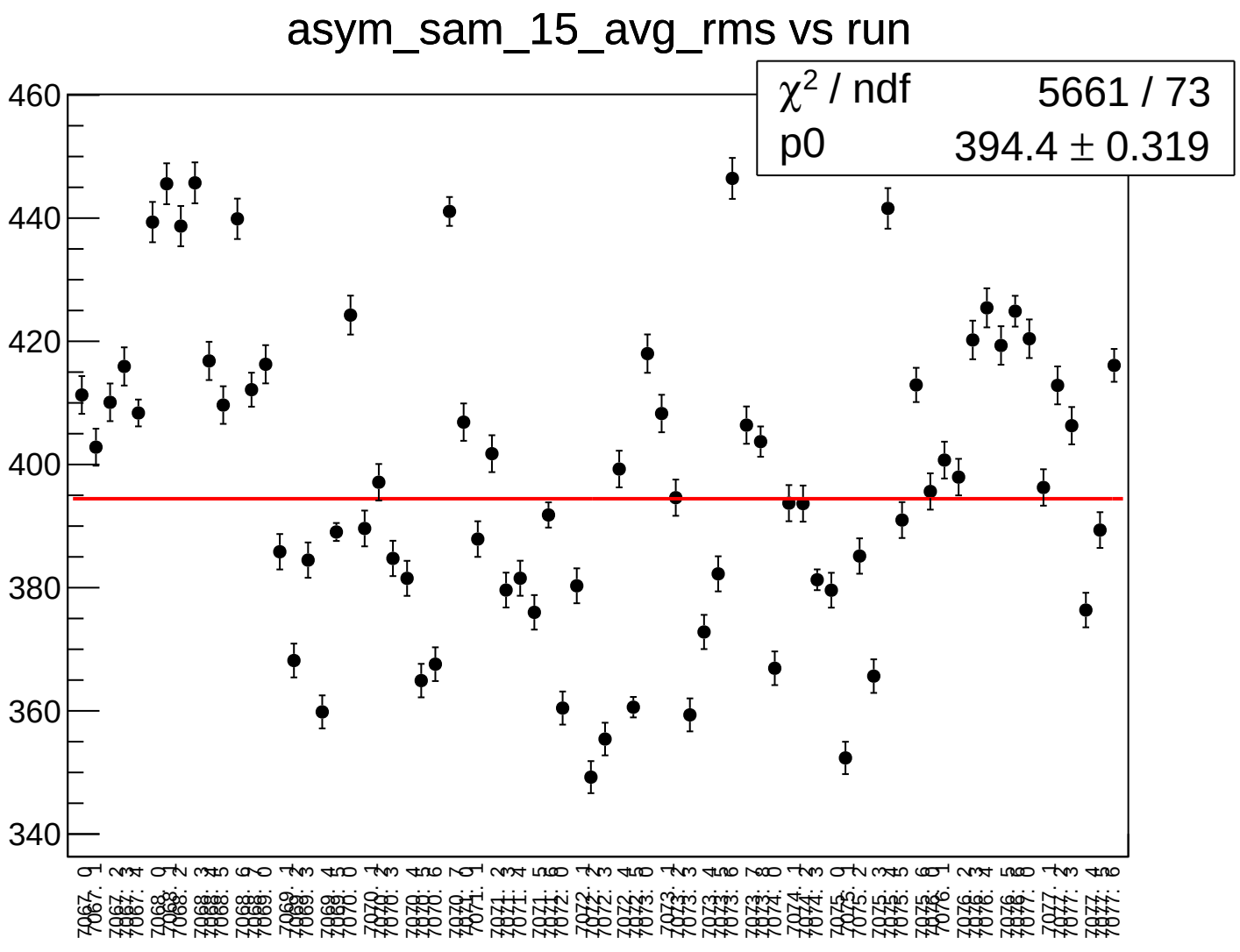

asym_sam_15_avg_correction_mean vs run
χ² / ndf 62.99 / 73
p0 561.6 ± 446.6
pull
Entries 74
Mean 210
Std Dev 159

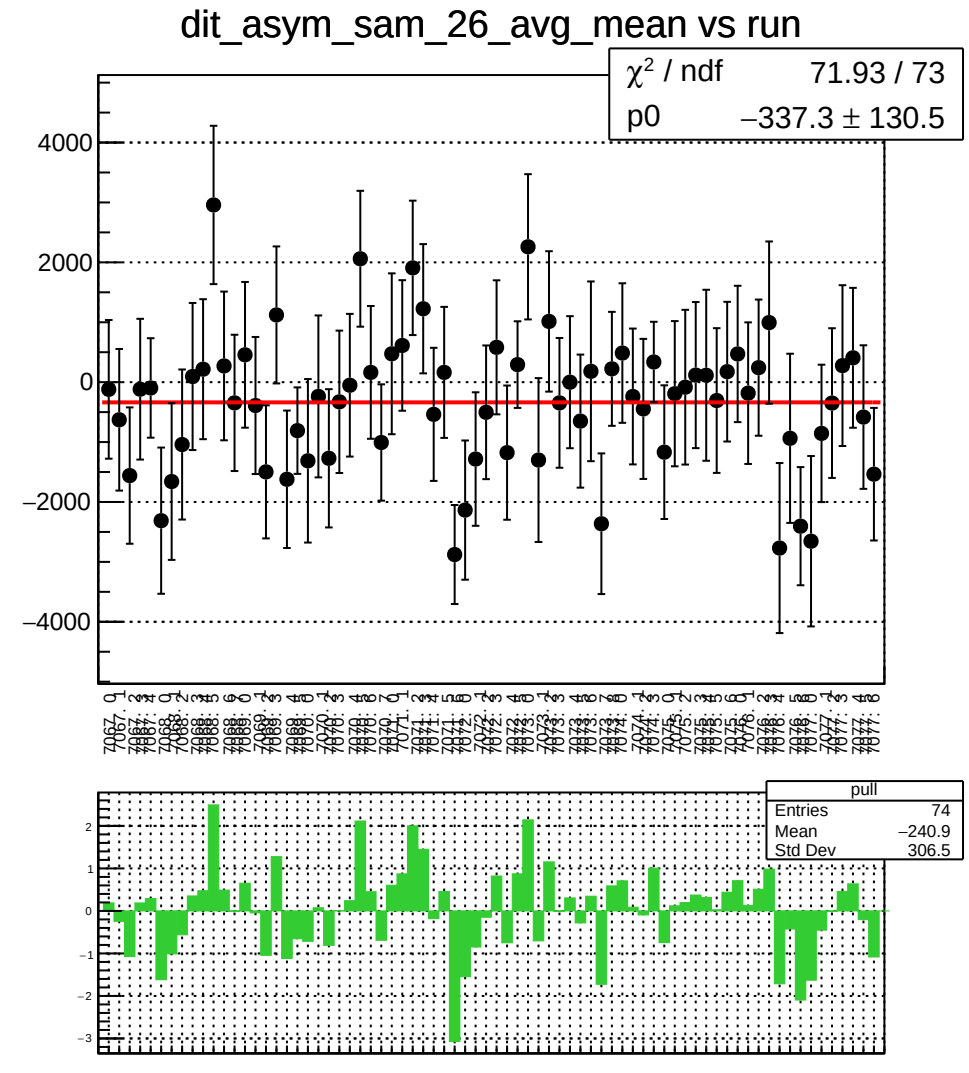

pull1D
Entries 74
Mean 0.01467
Std Dev 0.9225

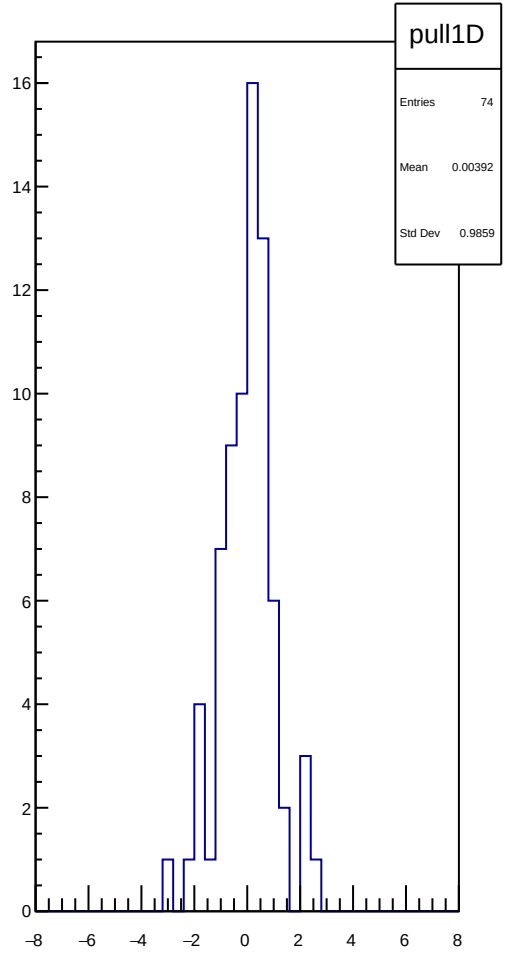

asym_sam_15_avg_correction_rms vs run
χ² / ndf 4119 / 73
p0 390.8 ± 0.3158
440
420
400
380
360
340

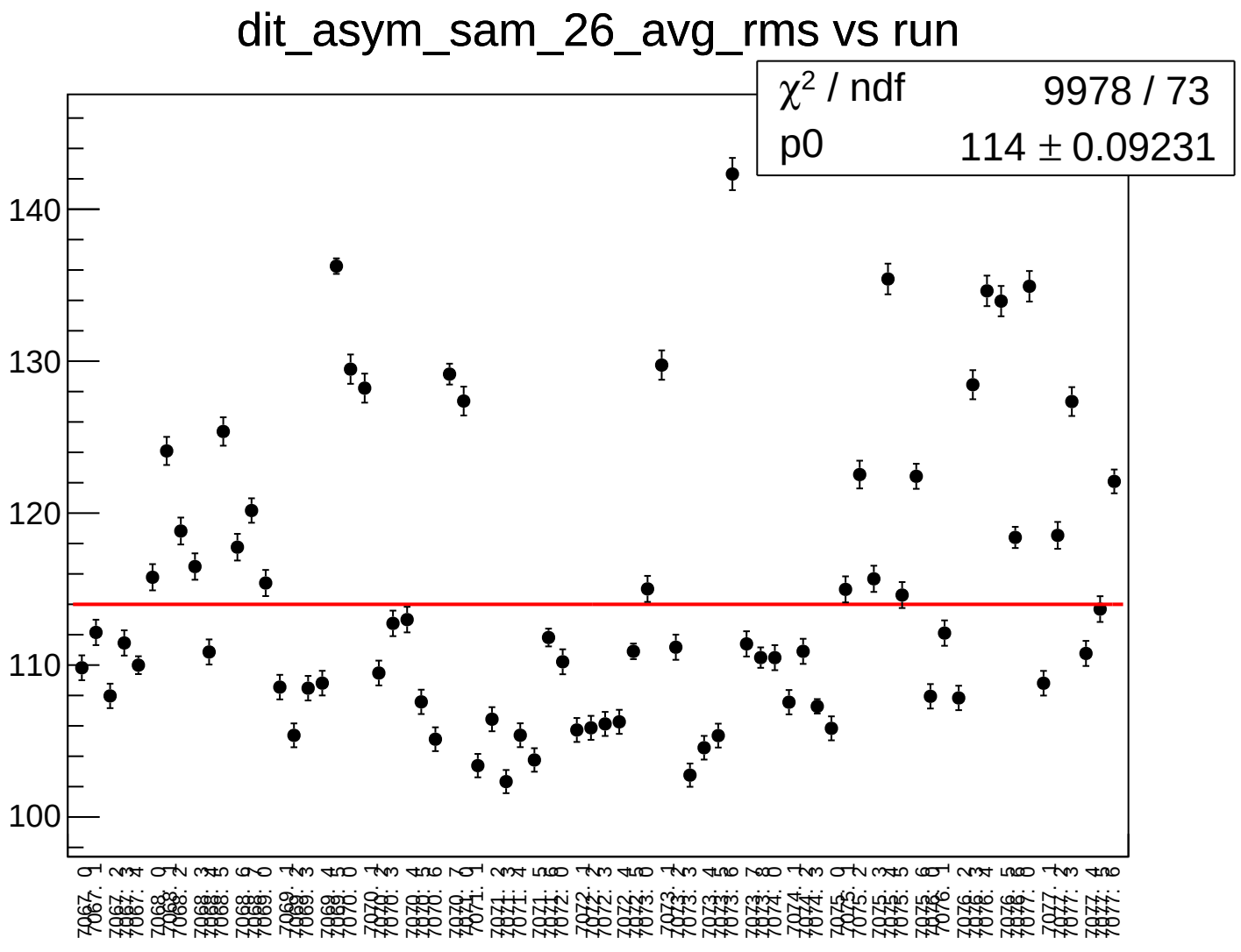

asym_sam_15_avg_mean vs run
χ² / ndf 62.21 / 73
p0 −592.8 ± 451.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 176.5
Std Dev 129.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

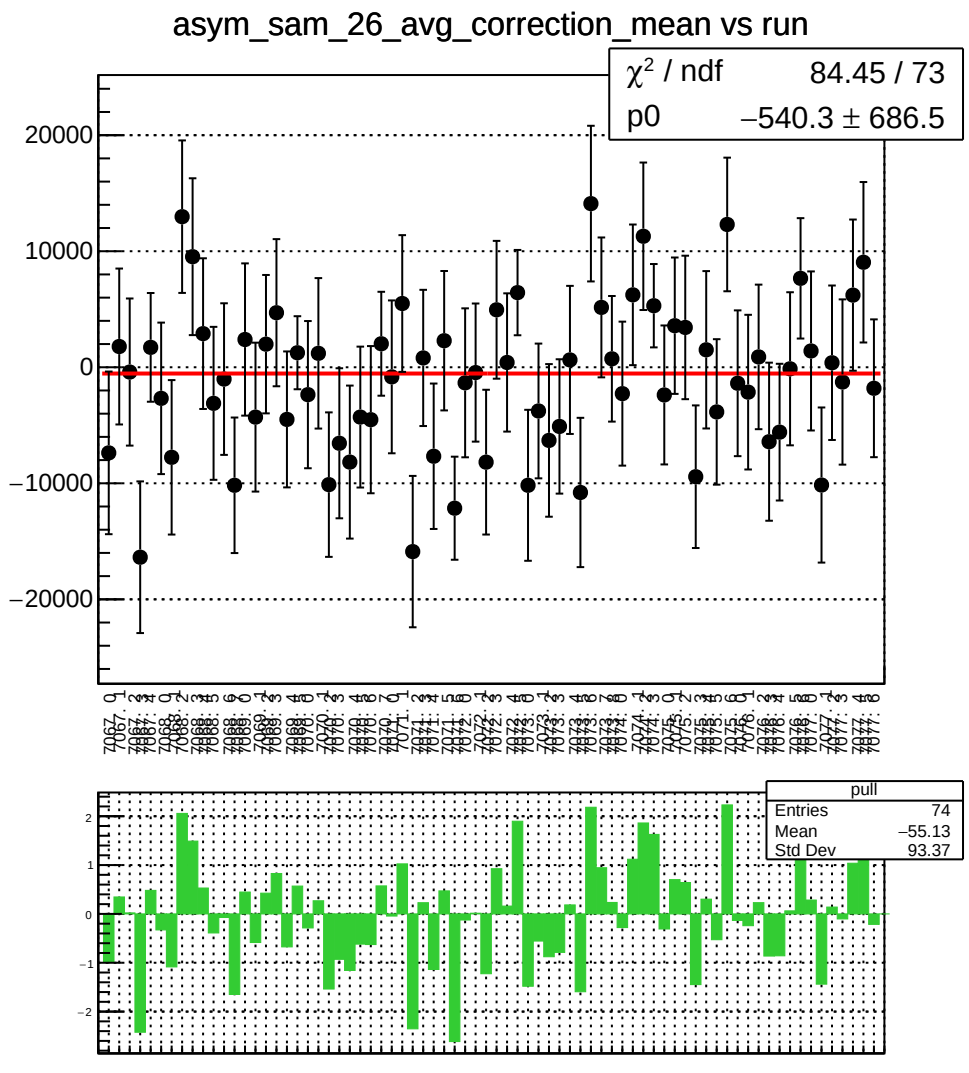

pull1D
Entries 74
Mean −0.01867
Std Dev 0.9167
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

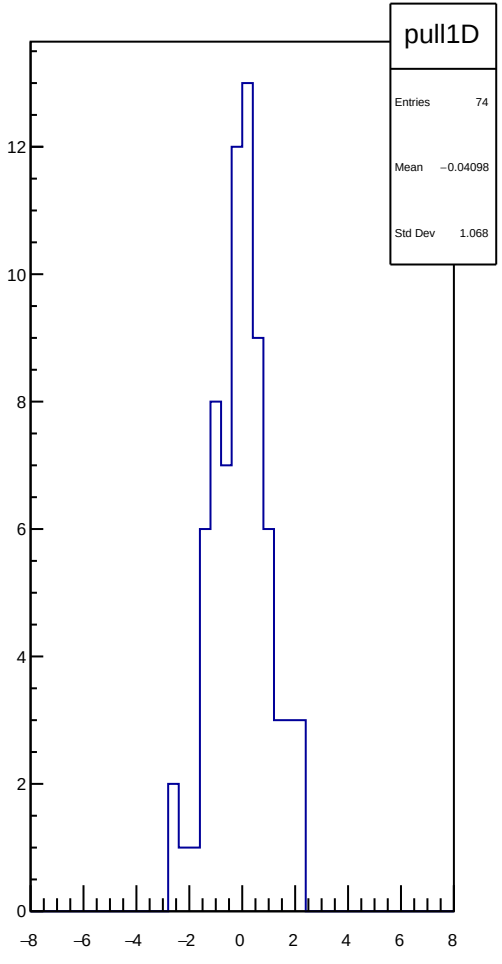

asym_sam_15_avg_rms vs run
χ^2 / ndf 5661 / 73
p0 394.4 ± 0.319
460
440
420
400
380
360
340

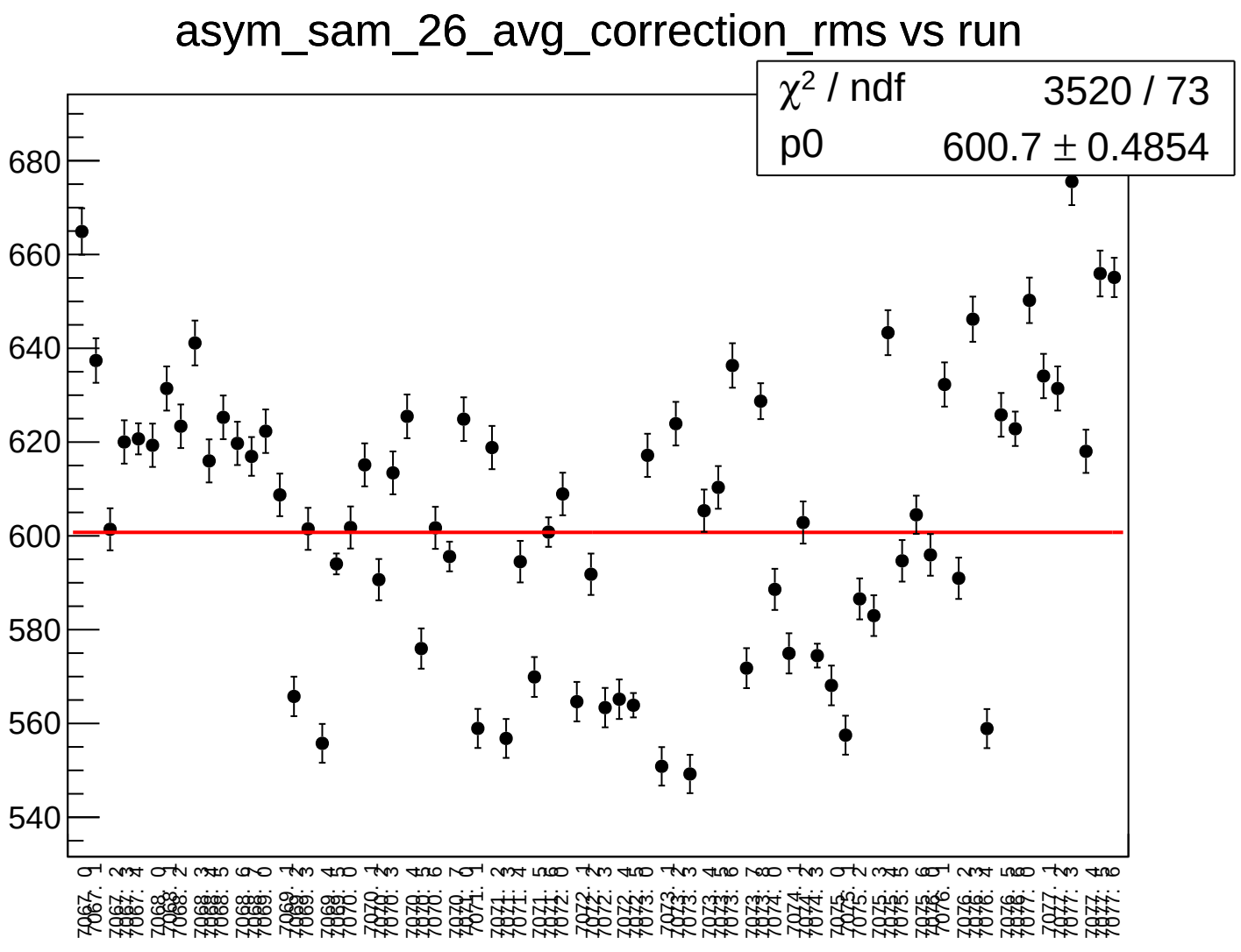

dit_asym_sam_26_avg_mean vs run
χ² / ndf 71.93 / 73
p0 −337.3 ± 130.5
4000
2000
0
−2000
−4000
pull
Entries 74
Mean −240.9
Std Dev 306.5
2
1
0
−1
−2
−3

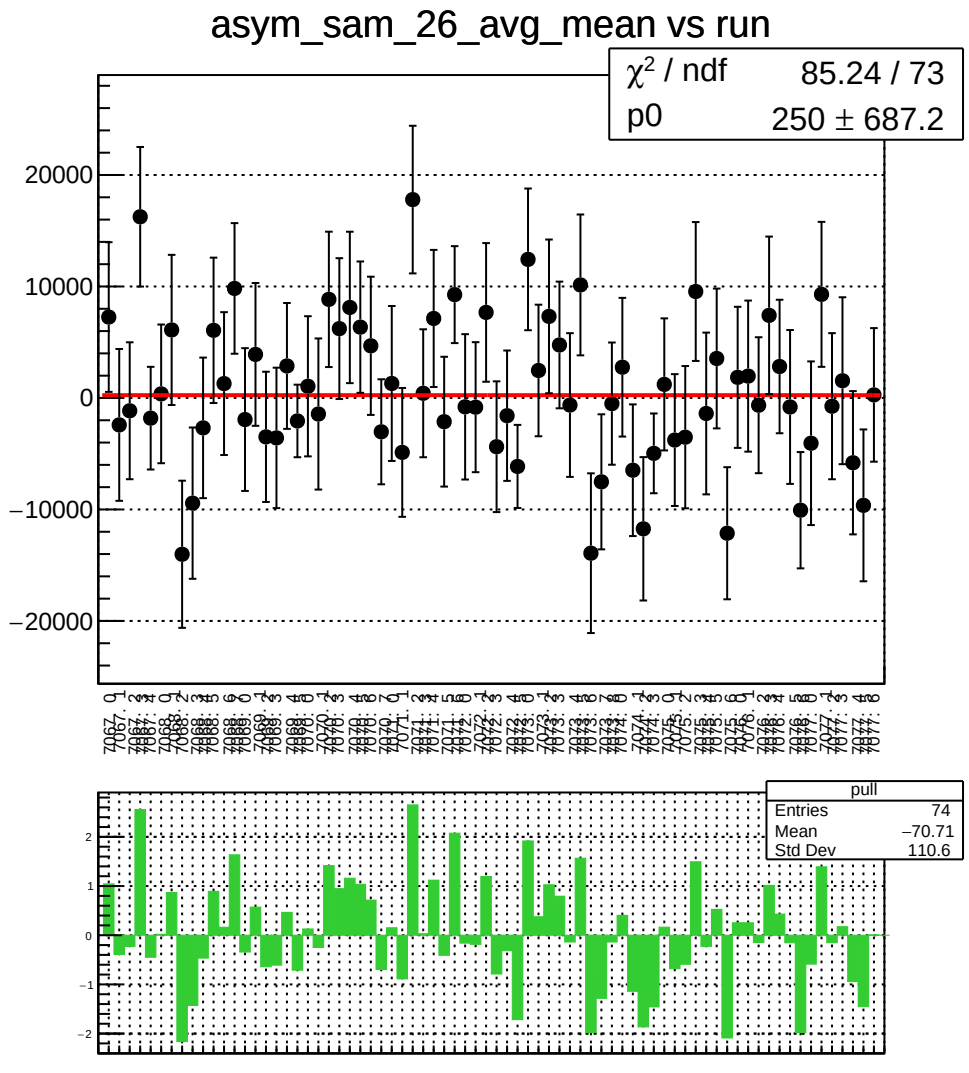

pull1D
Entries 74
Mean 0.00392
Std Dev 0.9859
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

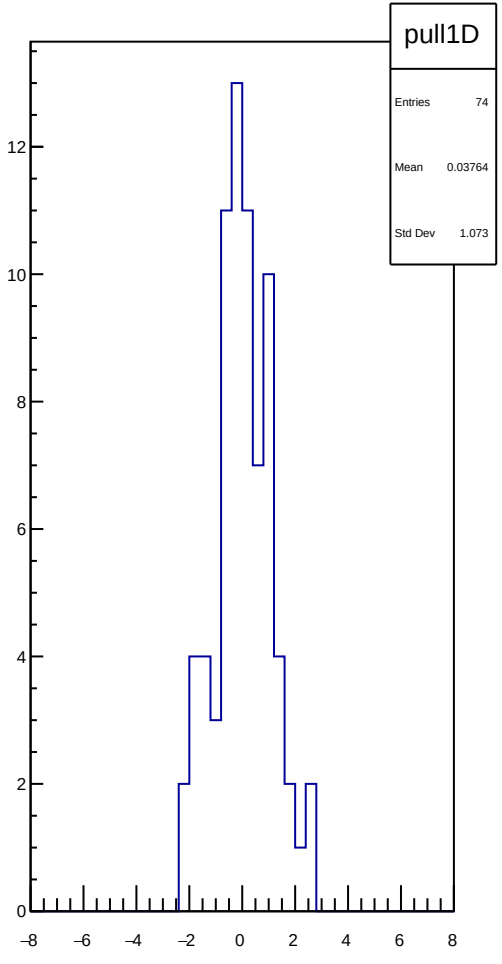

dit_asym_sam_26_avg_rms vs run
χ² / ndf 9978 / 73
p0 114 ± 0.09231
140
130
120
110
100

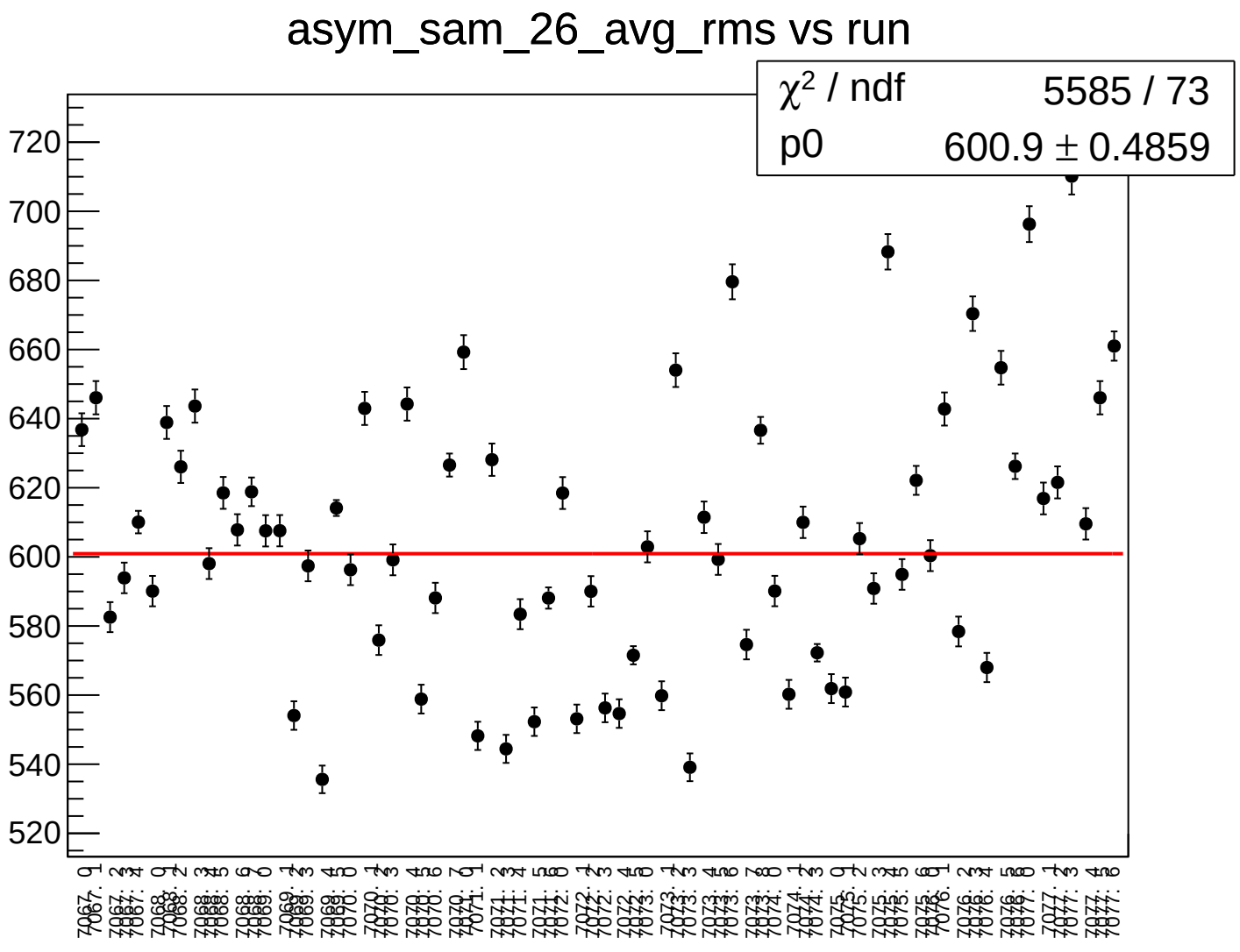

asym_sam_26_avg_correction_mean vs run
χ² / ndf 84.45 / 73
p0 −540.3 ± 686.5
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −55.13
Std Dev 93.37
2
1
0
−1
−2

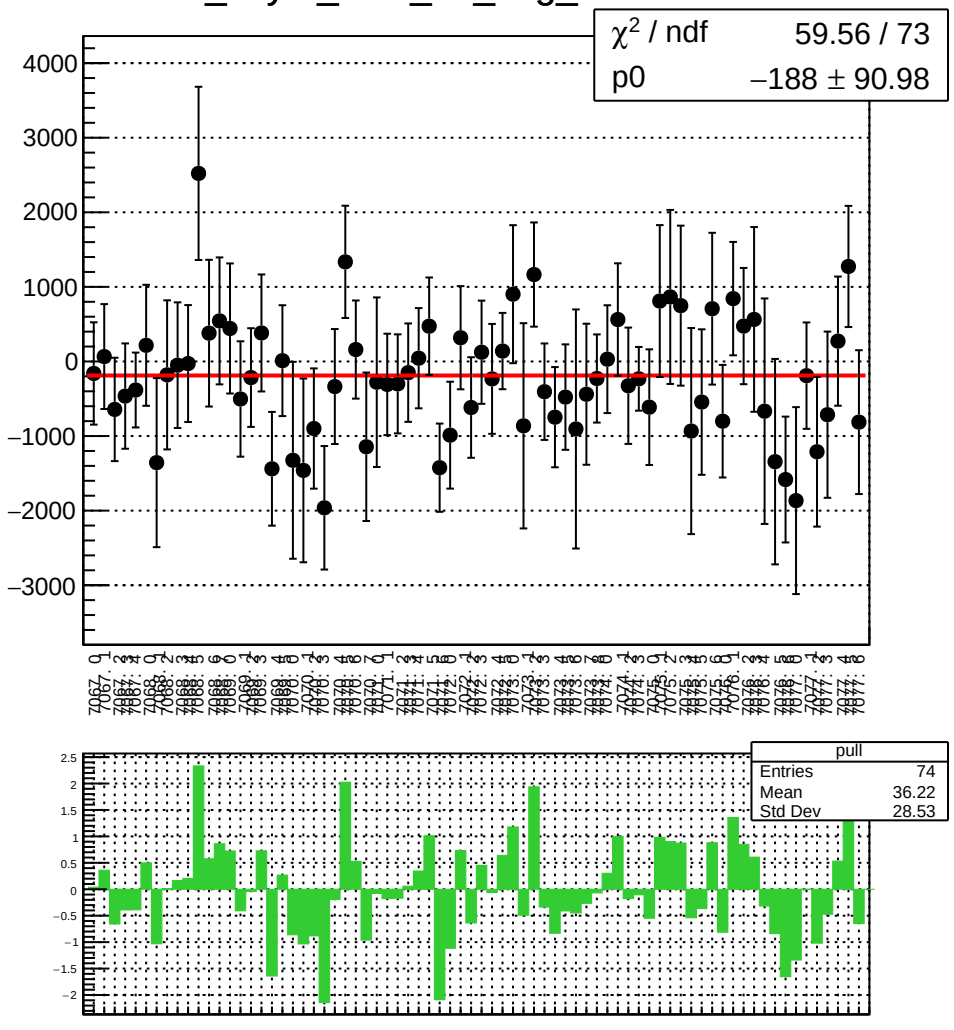

pull1D
Entries 74
Mean −0.04098
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

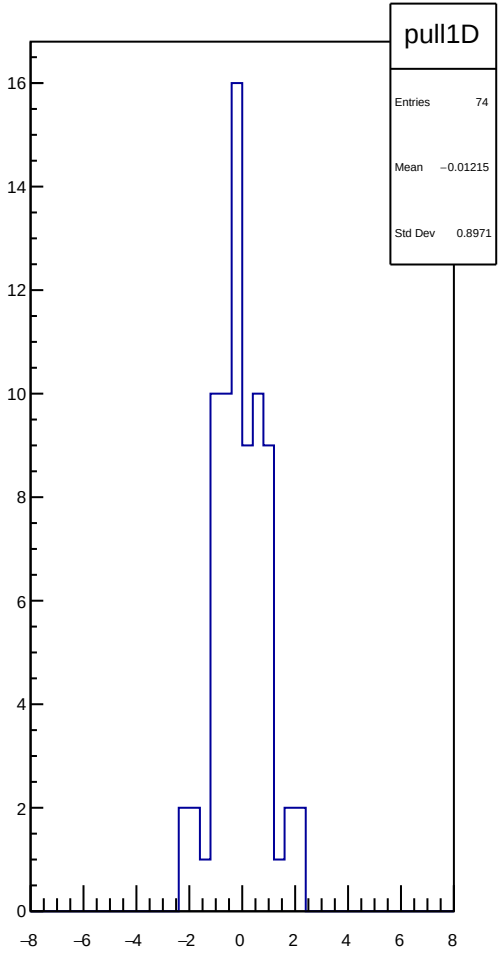

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3520 / 73
p0 600.7 ± 0.4854
680
660
640
620
600
580
560
540

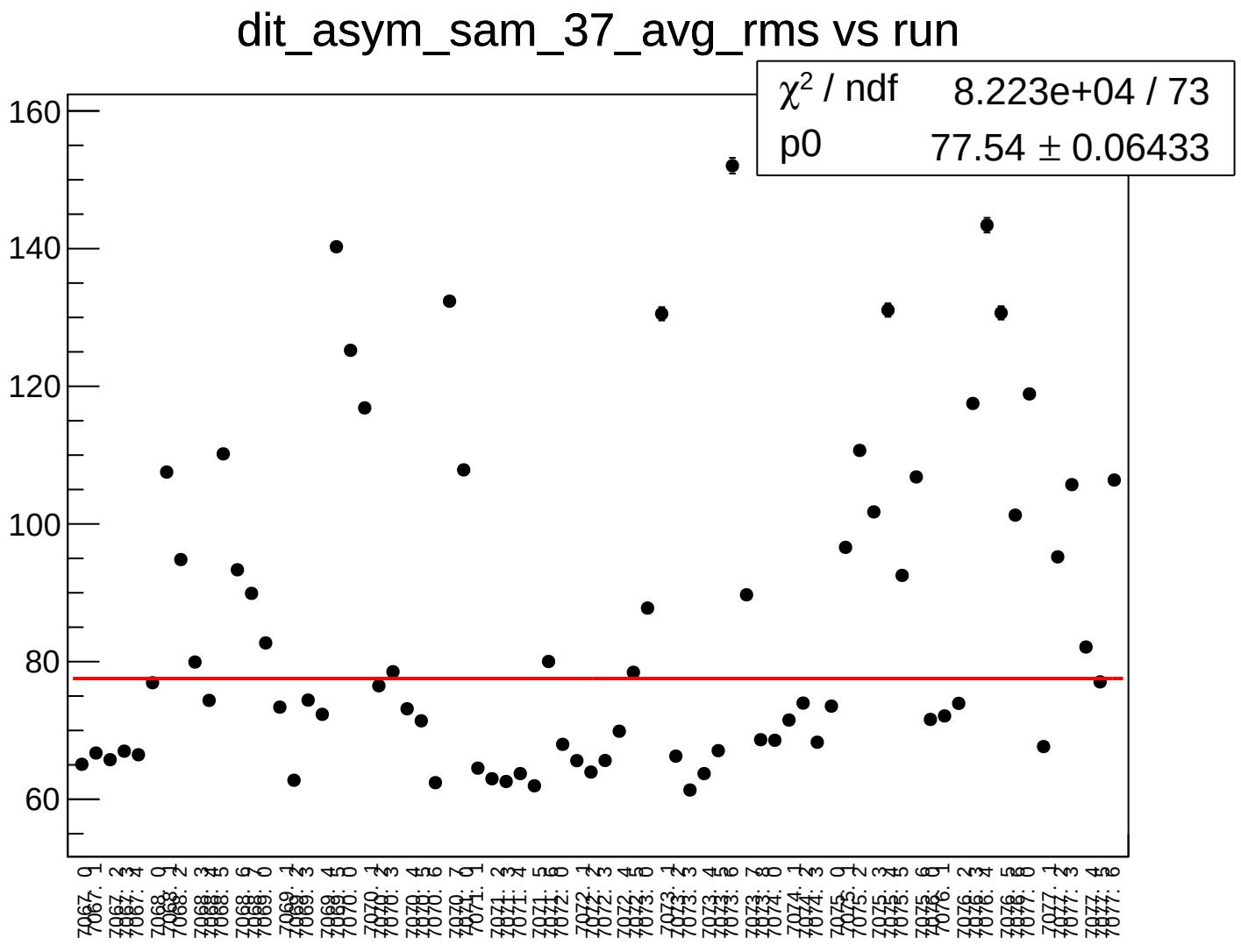

asym_sam_26_avg_mean vs run
χ² / ndf 85.24 / 73
p0 250 ± 687.2
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −70.71
Std Dev 110.6
2
1
0
−1
−2

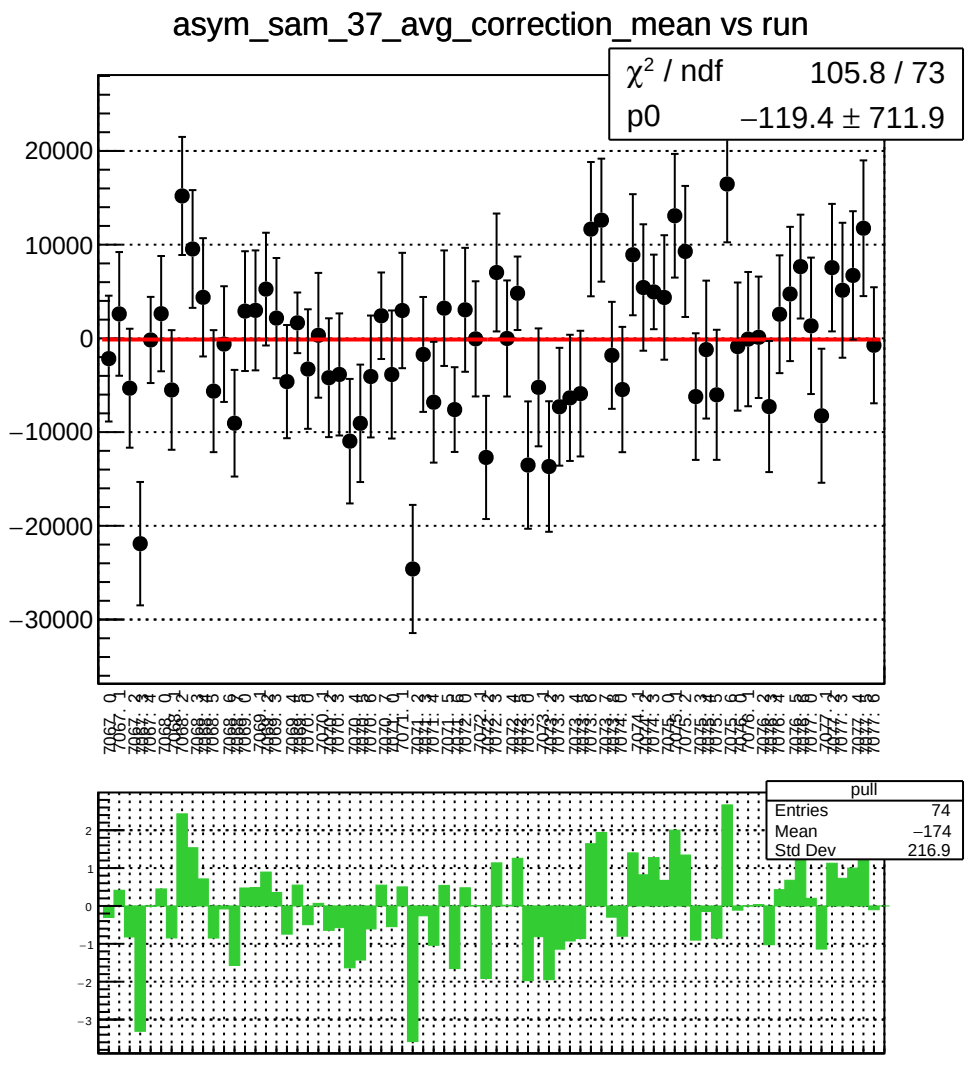

pull1D
Entries 74
Mean 0.03764
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

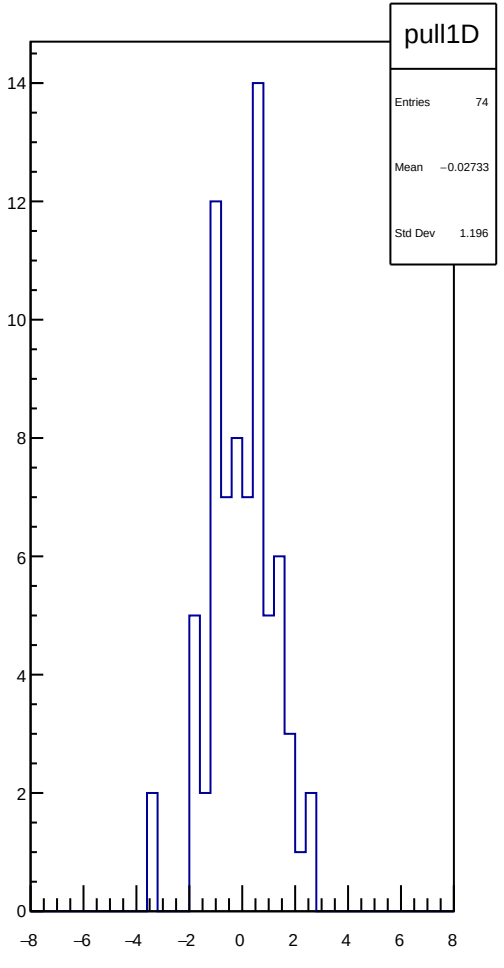

asym_sam_26_avg_rms vs run
χ² / ndf 5585 / 73
p0 600.9 ± 0.4859
720
700
680
660
640
620
600
580
560
540
520

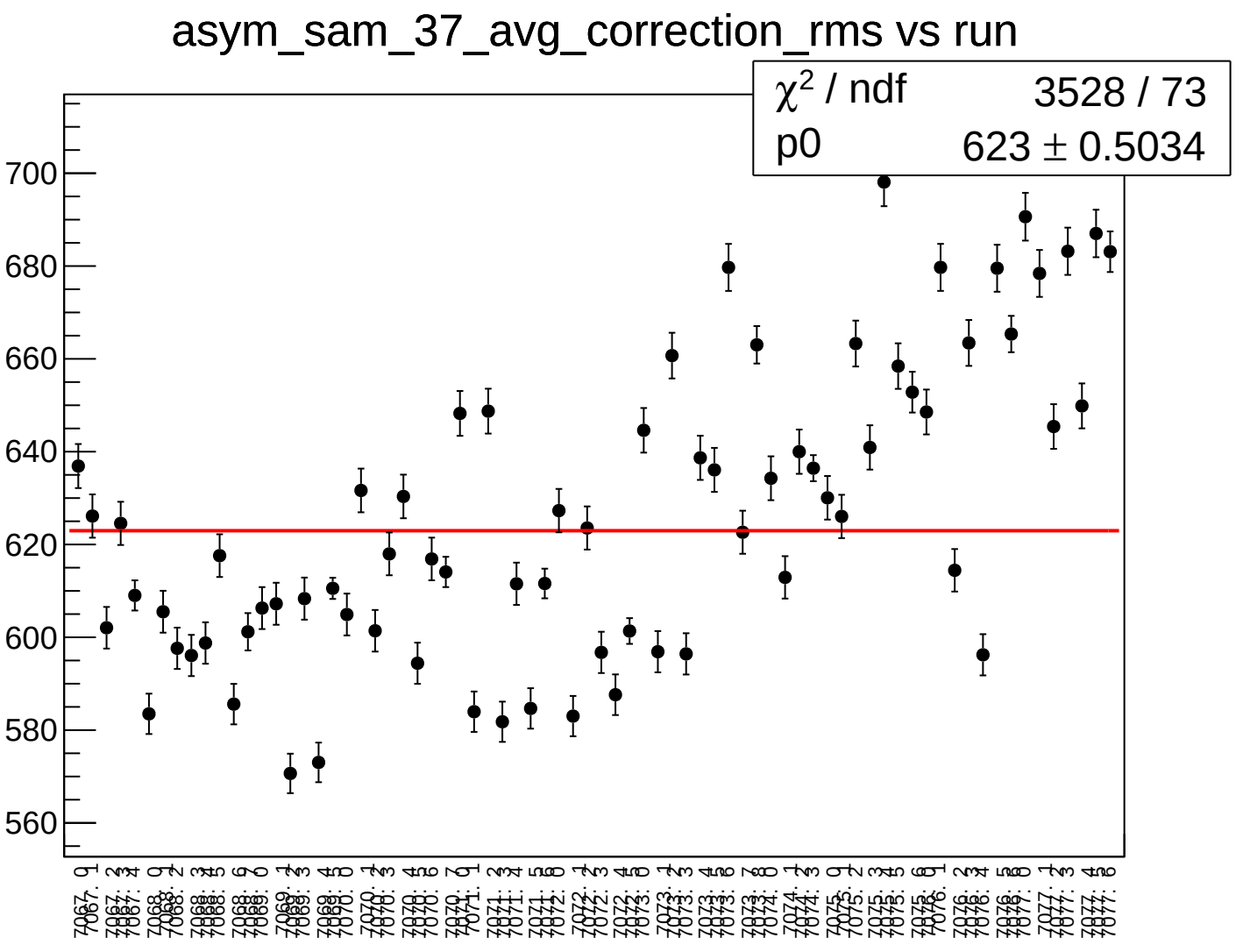

dit_asym_sam_37_avg_mean vs run
χ² / ndf 59.56 / 73
p0 −188 ± 90.98
pull
Entries 74
Mean 36.22
Std Dev 28.53

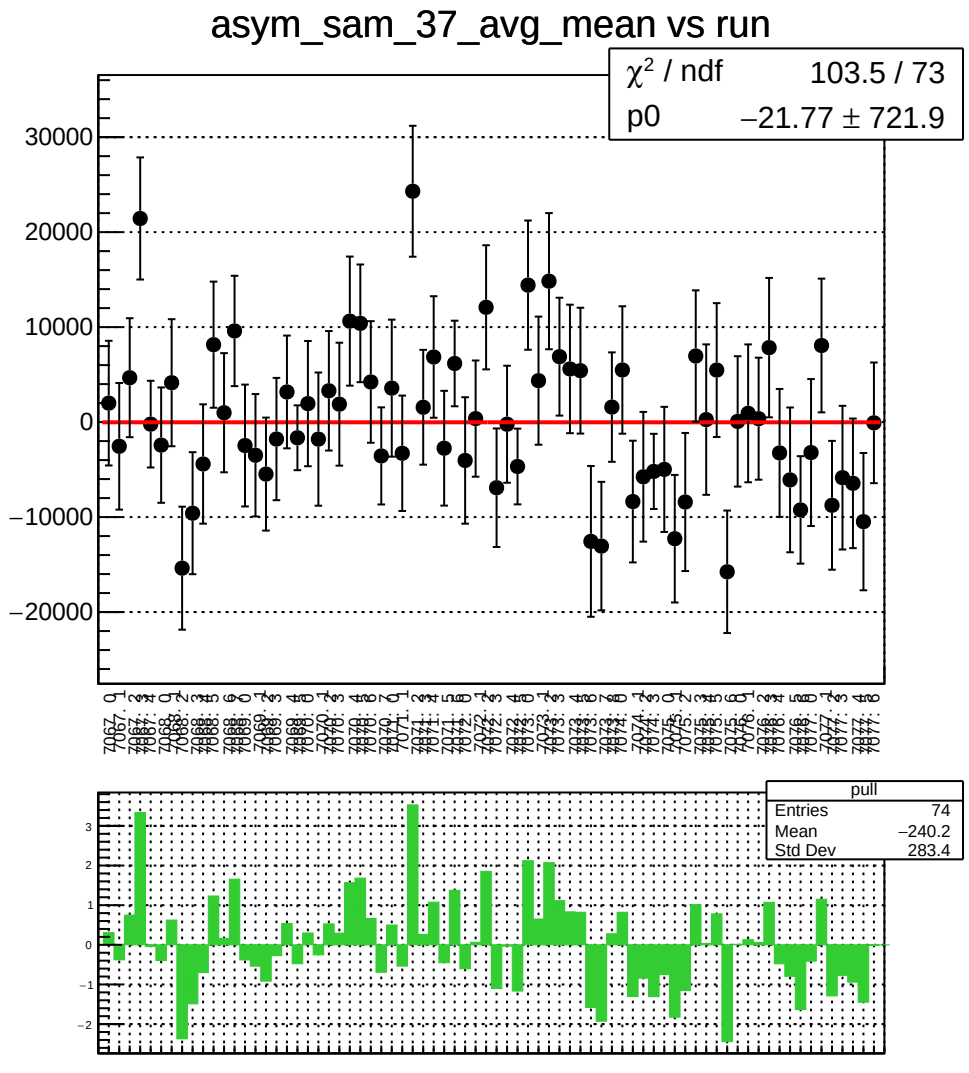

pull1D
Entries 74
Mean −0.01215
Std Dev 0.8971

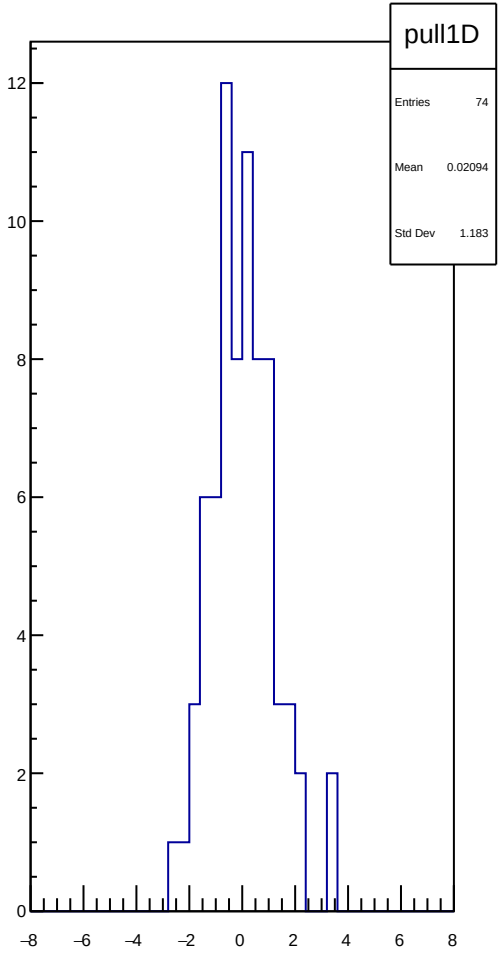

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 8.223e+04 / 73
p0 77.54 ± 0.06433
160
140
120
100
80
60

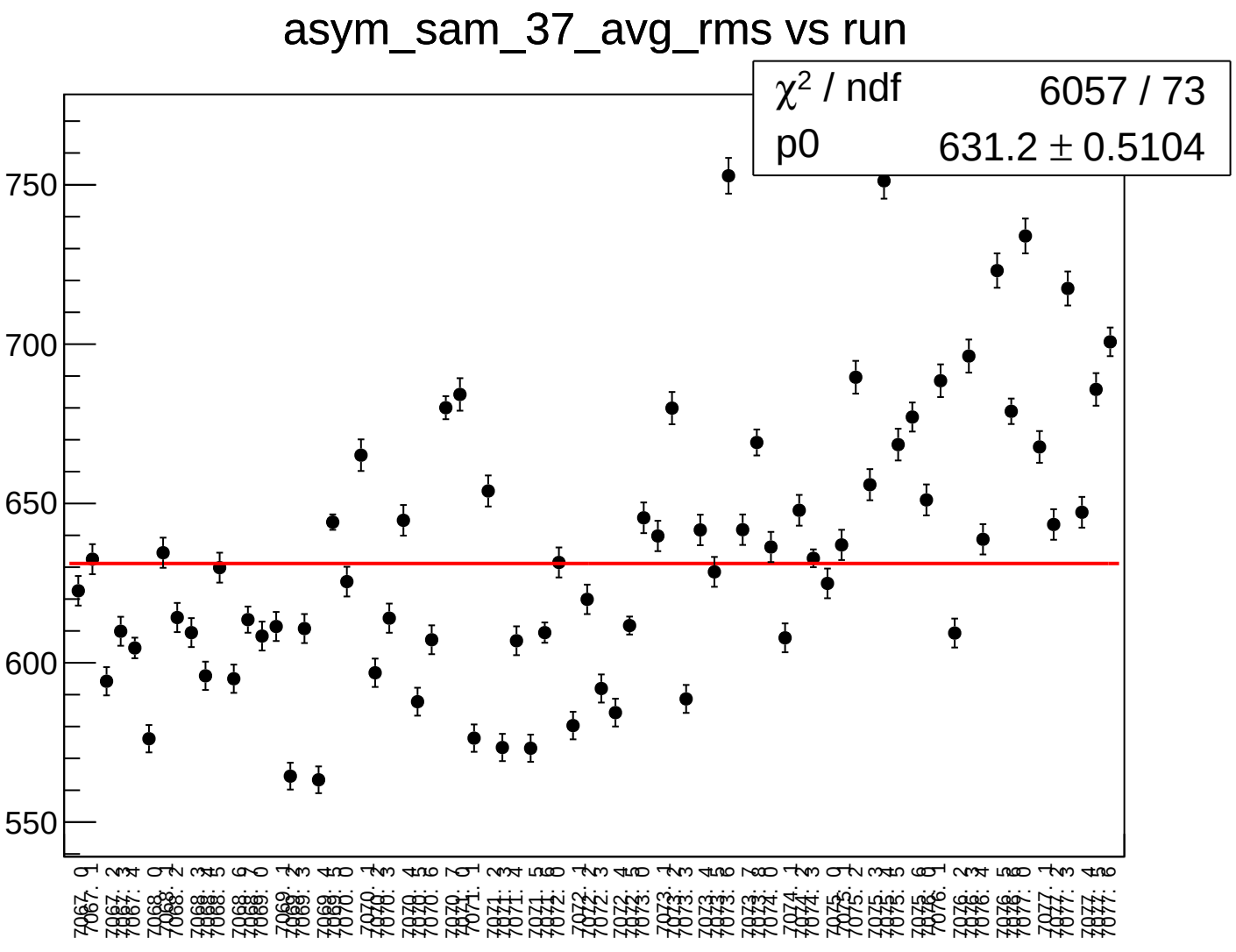

asym_sam_37_avg_correction_mean vs run
χ² / ndf 105.8 / 73
p0 −119.4 ± 711.9
pull
Entries 74
Mean −174
Std Dev 216.9

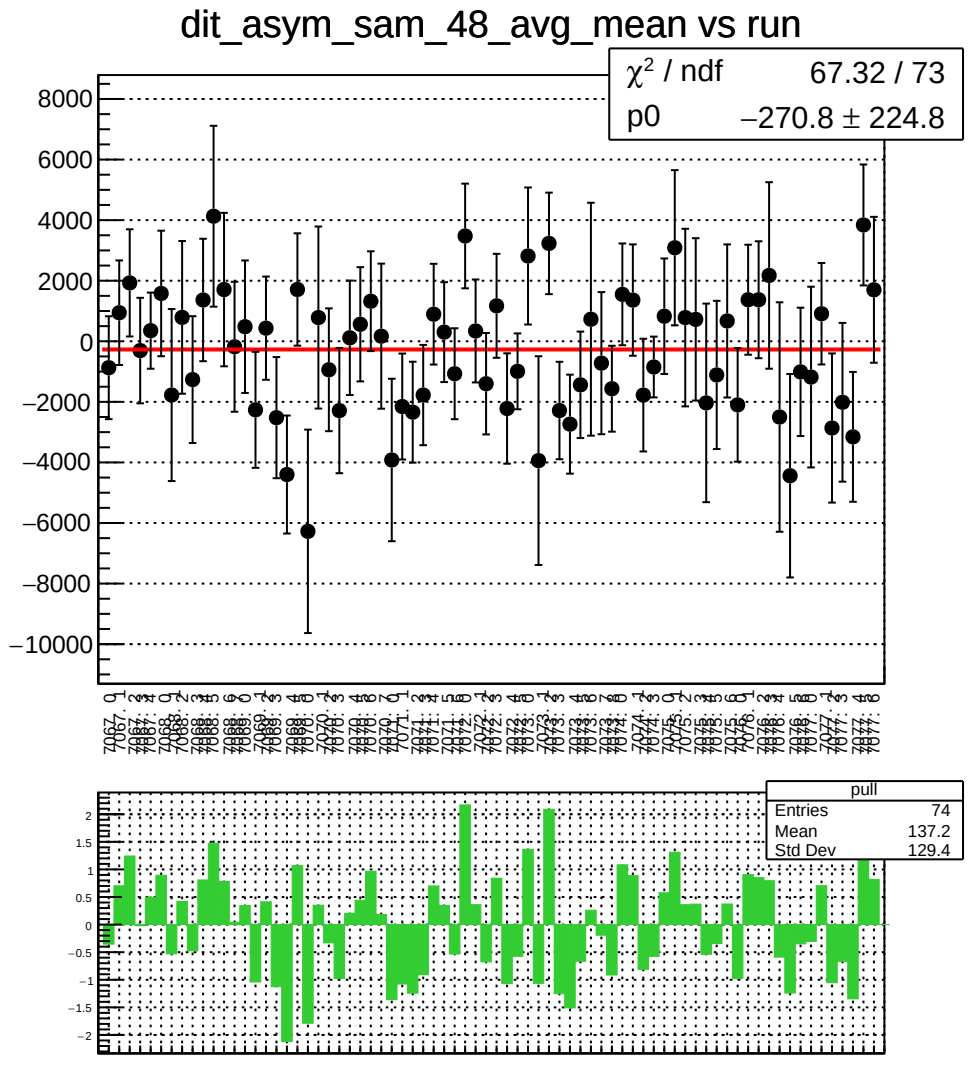

pull1D
Entries 74
Mean −0.02733
Std Dev 1.196

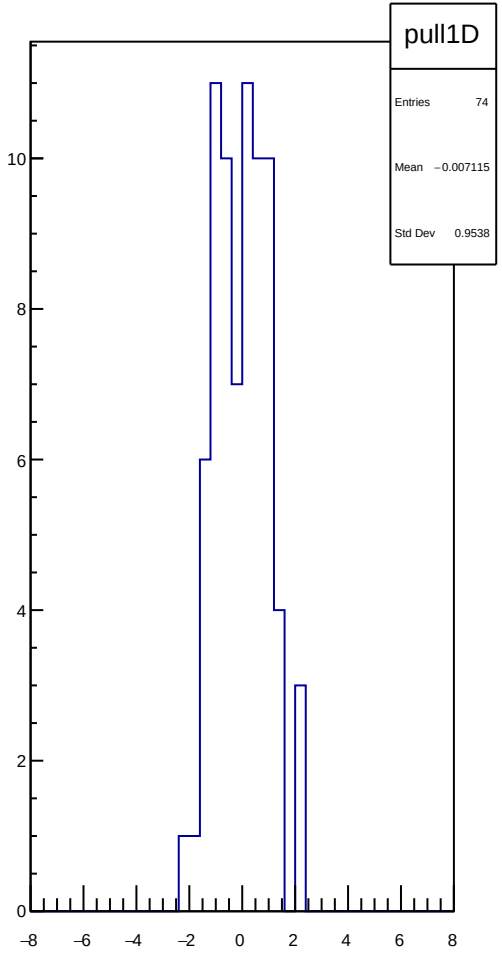

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3528 / 73
p0 623 ± 0.5034
700
680
660
640
620
600
580
560

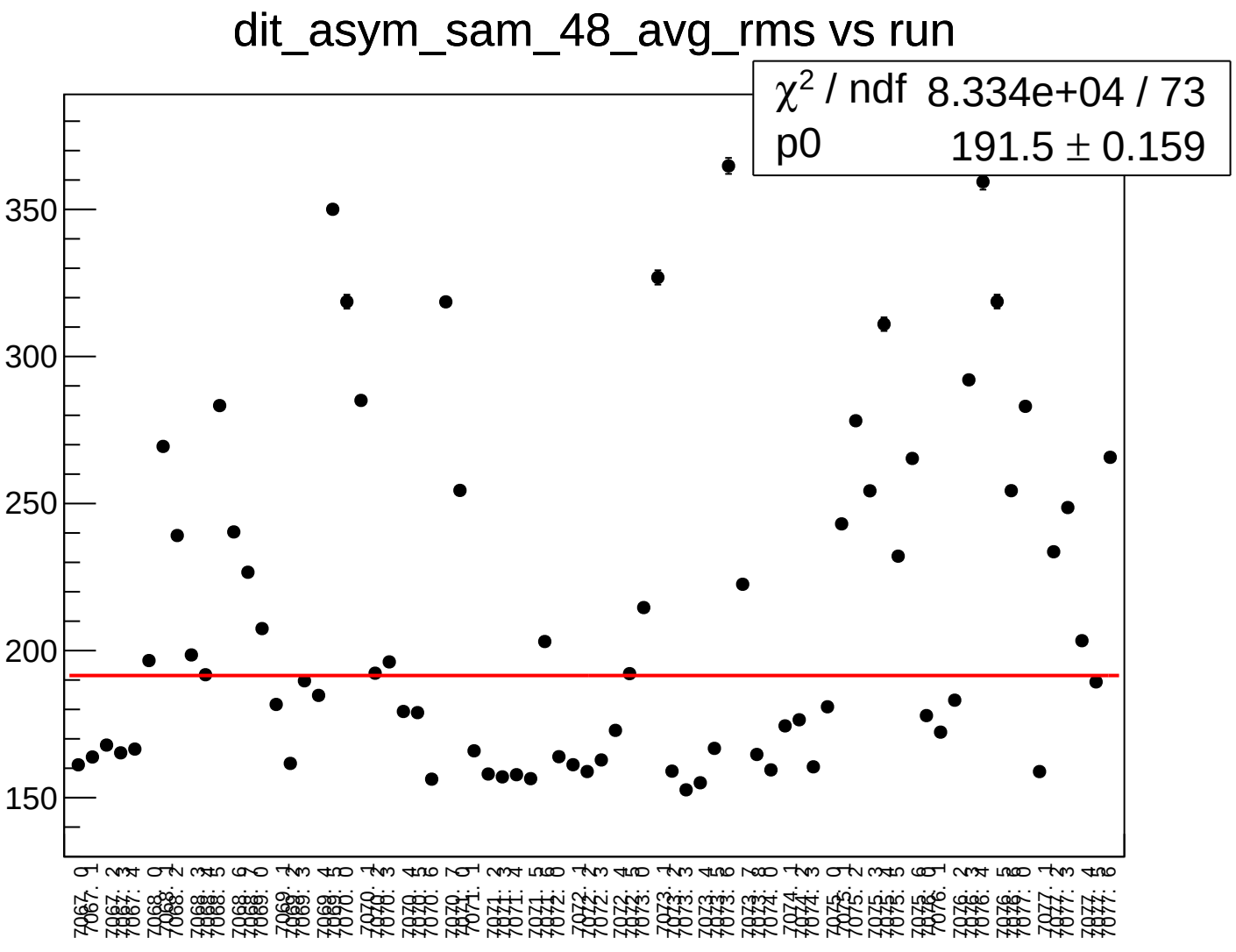

asym_sam_37_avg_mean vs run
χ² / ndf 103.5 / 73
p0 −21.77 ± 721.9
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −240.2
Std Dev 283.4
3
2
1
0
−1
−2

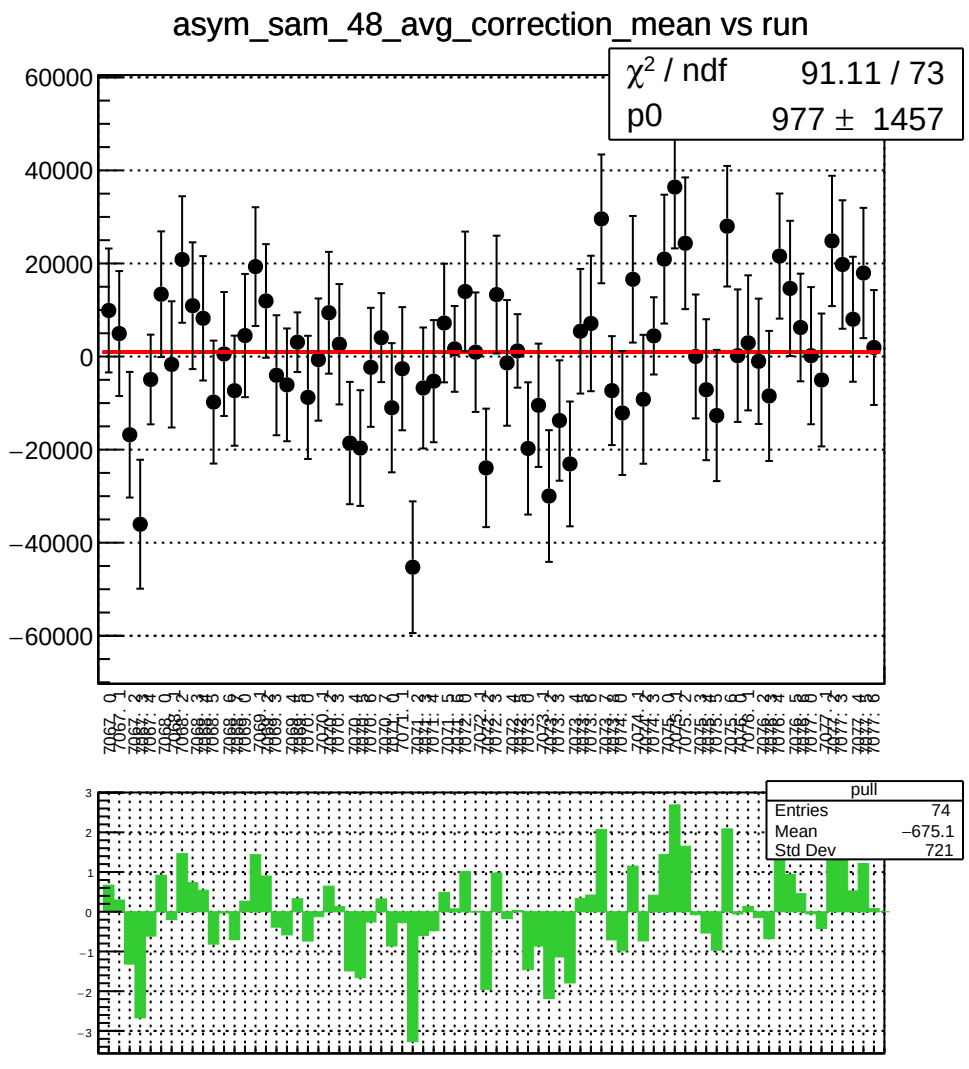

pull1D
Entries 74
Mean 0.02094
Std Dev 1.183
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

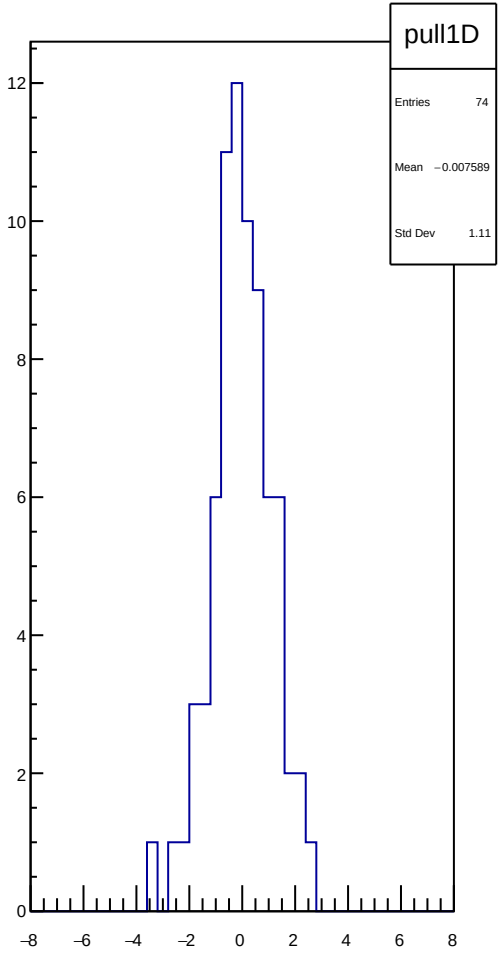

asym_sam_37_avg_rms vs run
χ² / ndf 6057 / 73
p0 631.2 ± 0.5104
750
700
650
600
550

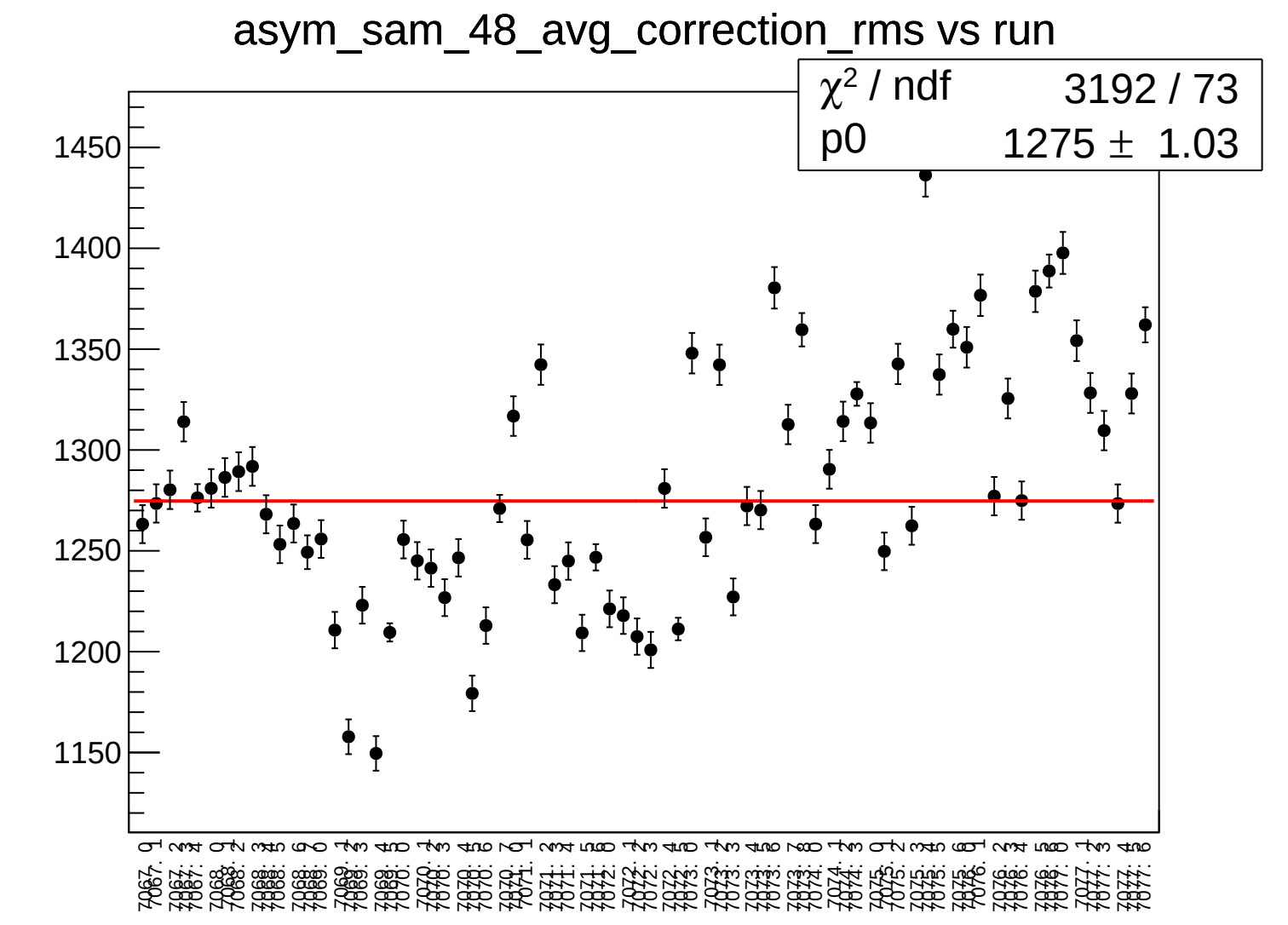

dit_asym_sam_48_avg_mean vs run
χ² / ndf 67.32 / 73
p0 −270.8 ± 224.8
pull
Entries 74
Mean 137.2
Std Dev 129.4

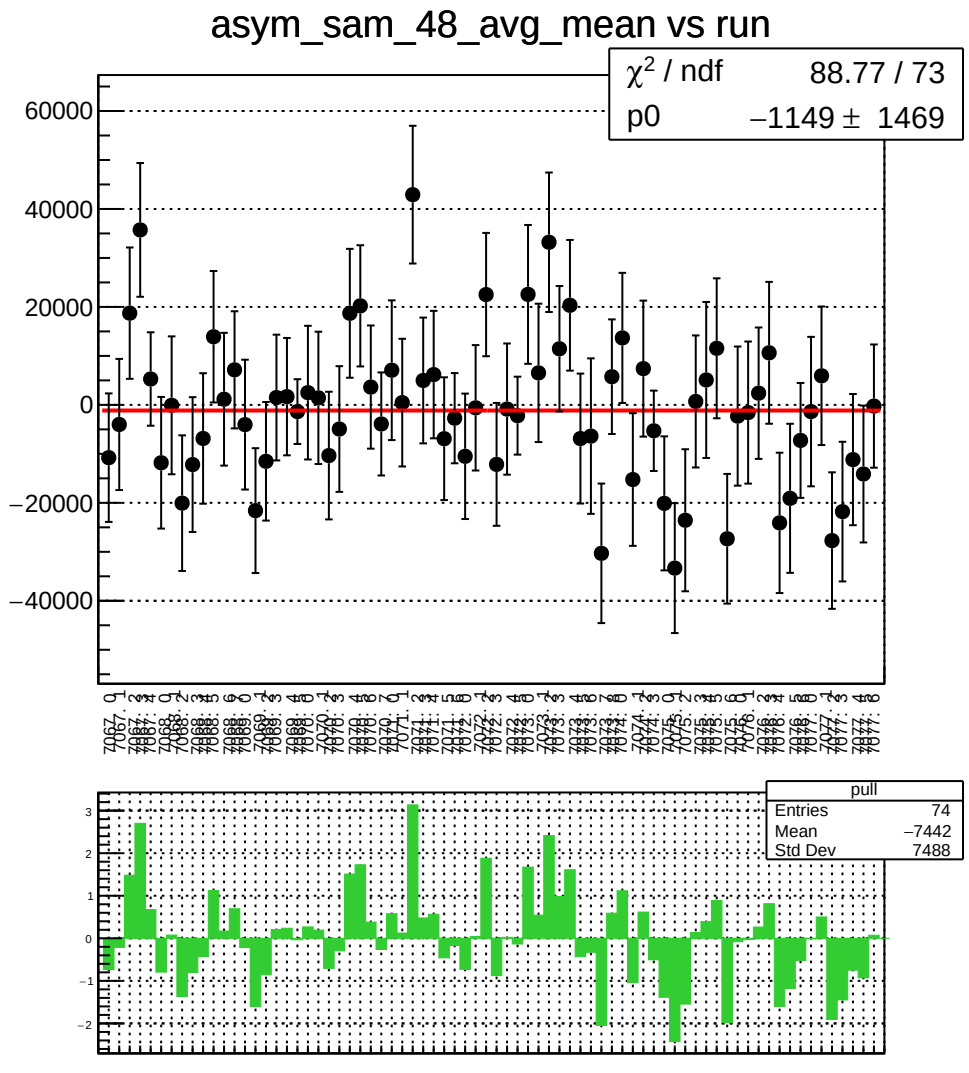

pull1D
Entries 74
Mean −0.007115
Std Dev 0.9538

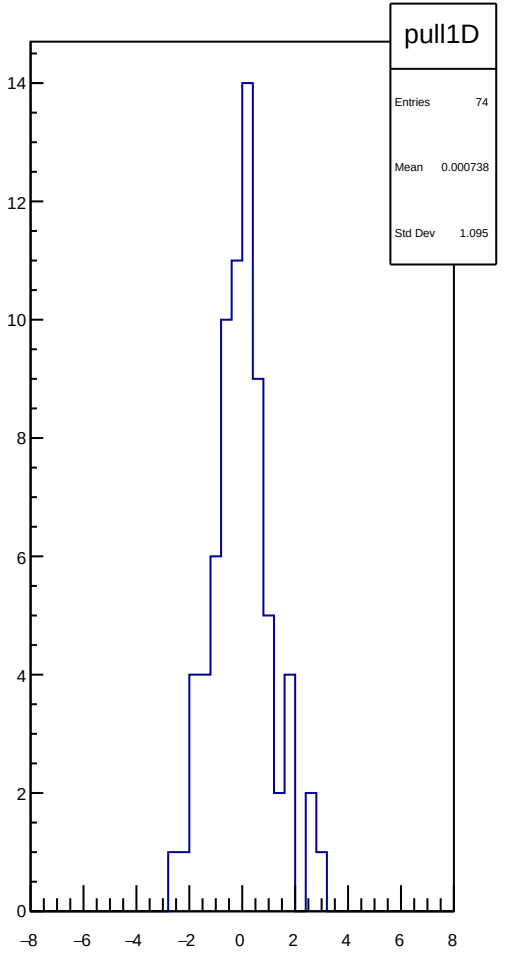

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 8.334e+04 / 73
p0 191.5 ± 0.159
350
300
250
200
150

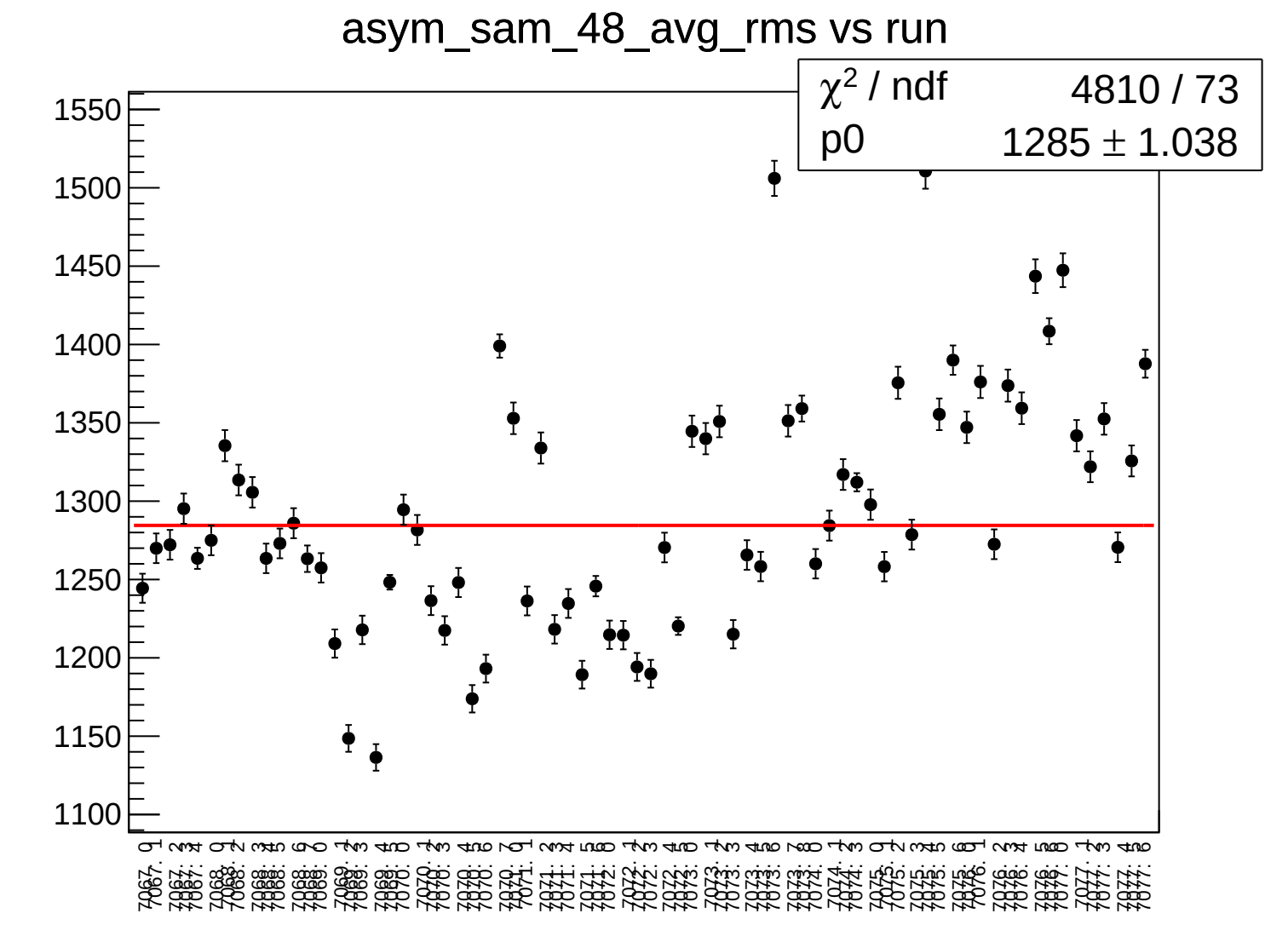

asym_sam_48_avg_correction_mean vs run
χ² / ndf 91.11 / 73
p0 977 ± 1457
pull
Entries 74
Mean −675.1
Std Dev 721

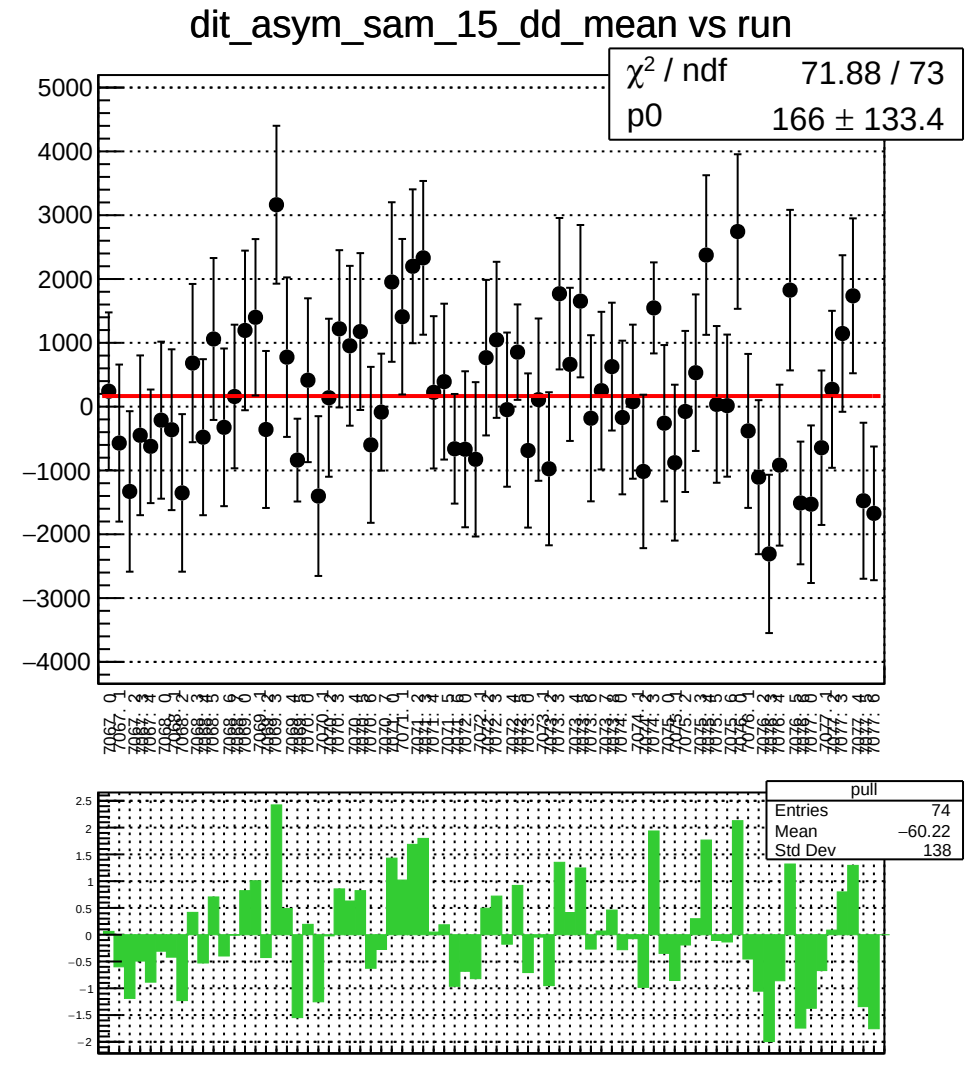

pull1D
Entries 74
Mean −0.007589
Std Dev 1.11

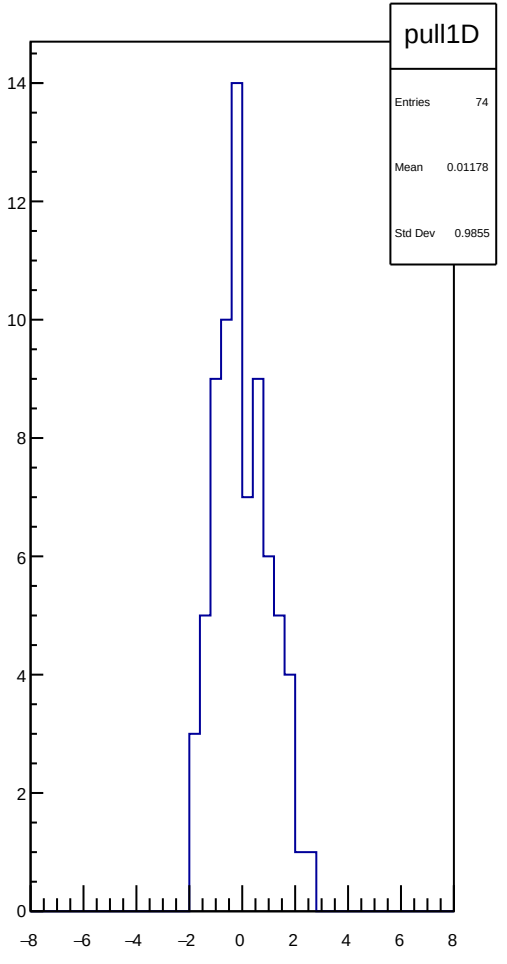

asym_sam_48_avg_correction_rms vs run
χ² / ndf 3192 / 73
p0 1275 ± 1.03
1450
1400
1350
1300
1250
1200
1150

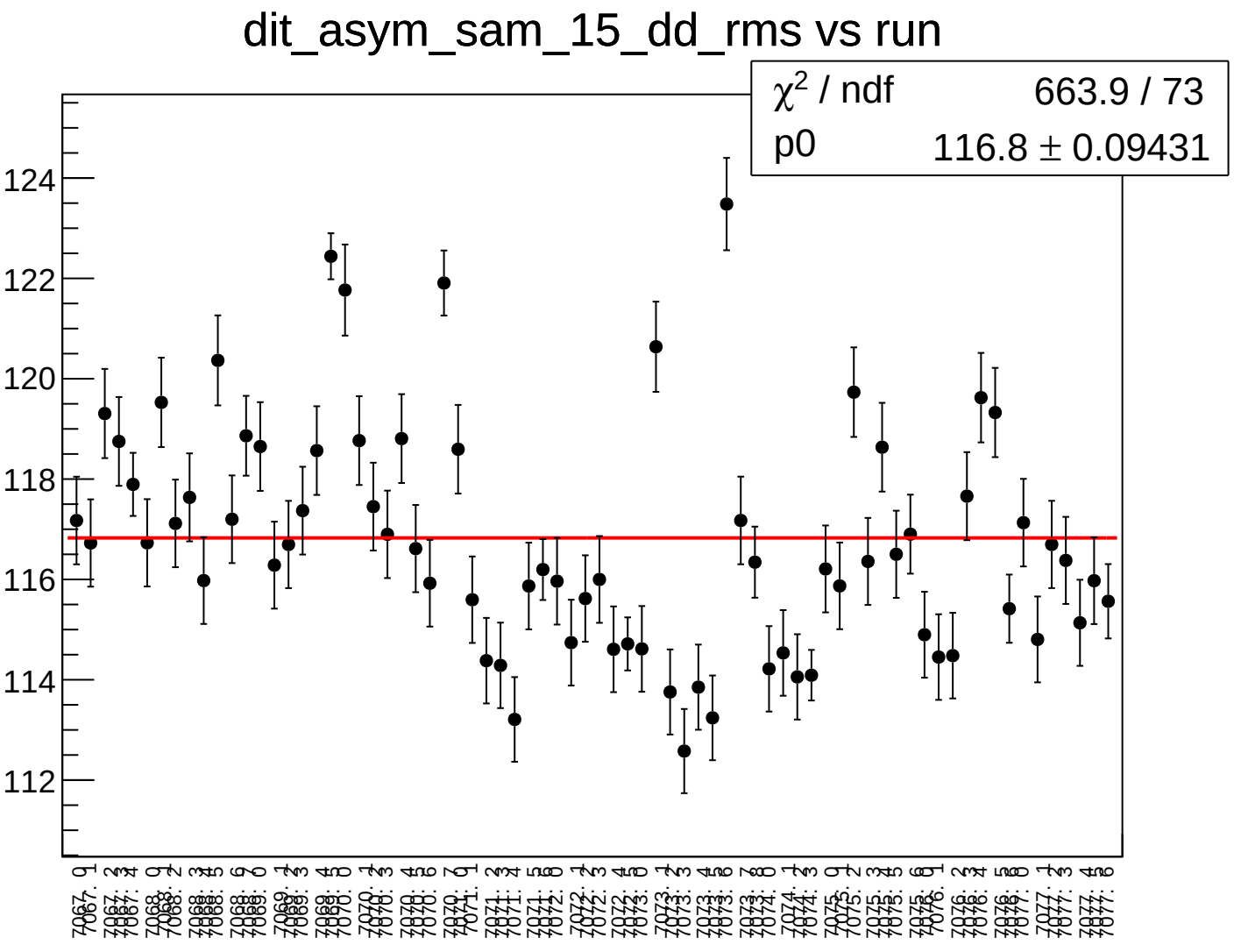

asym_sam_48_avg_mean vs run
χ² / ndf 88.77 / 73
p0 −1149 ± 1469
pull
Entries 74
Mean −7442
Std Dev 7488

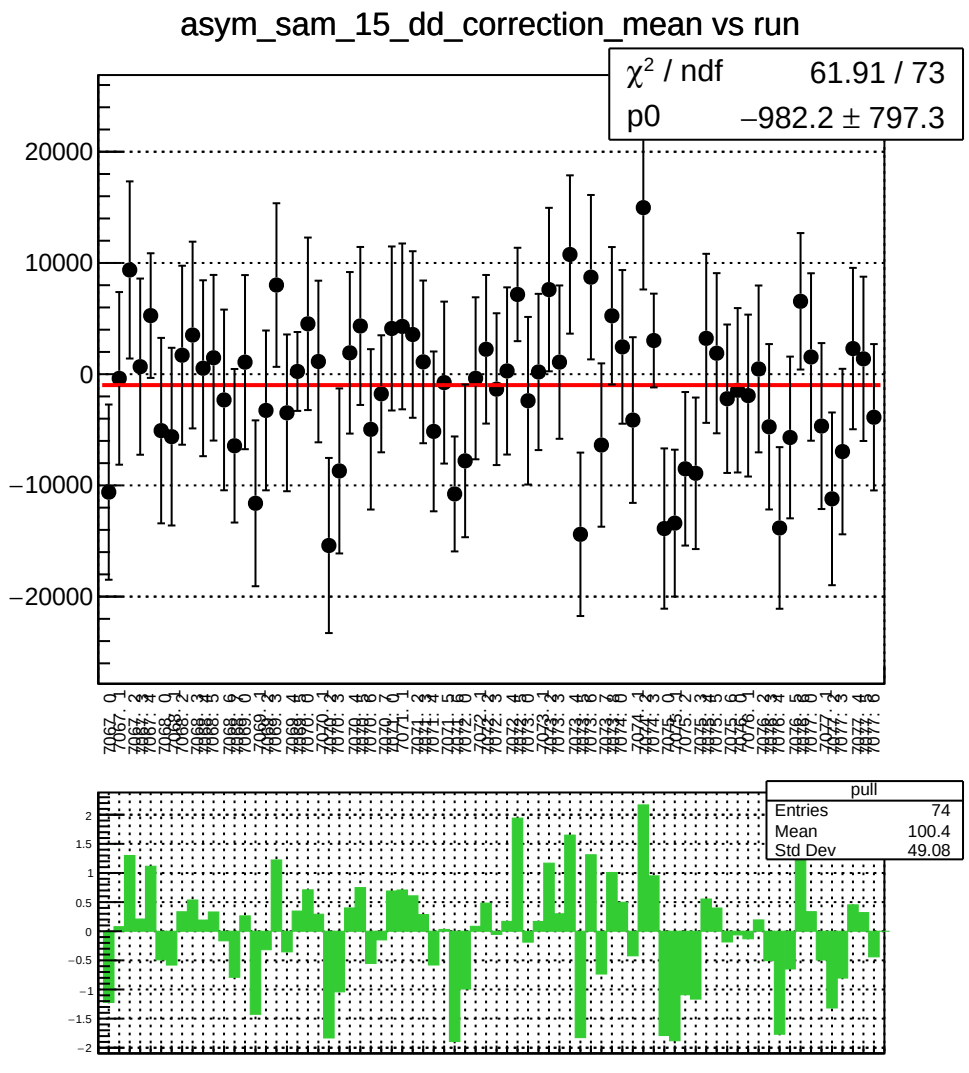

pull1D
Entries 74
Mean 0.000738
Std Dev 1.095

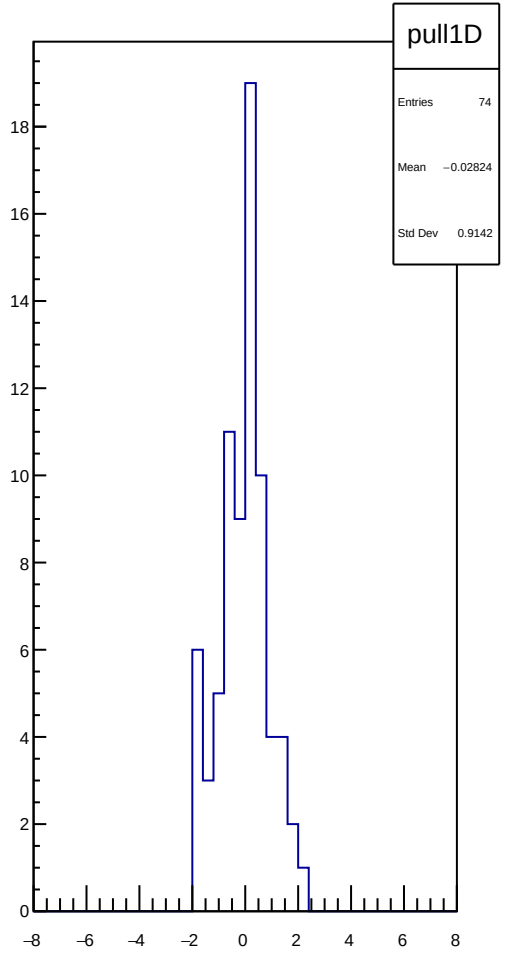

asym_sam_48_avg_rms vs run
χ² / ndf 4810 / 73
p0 1285 ± 1.038
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100

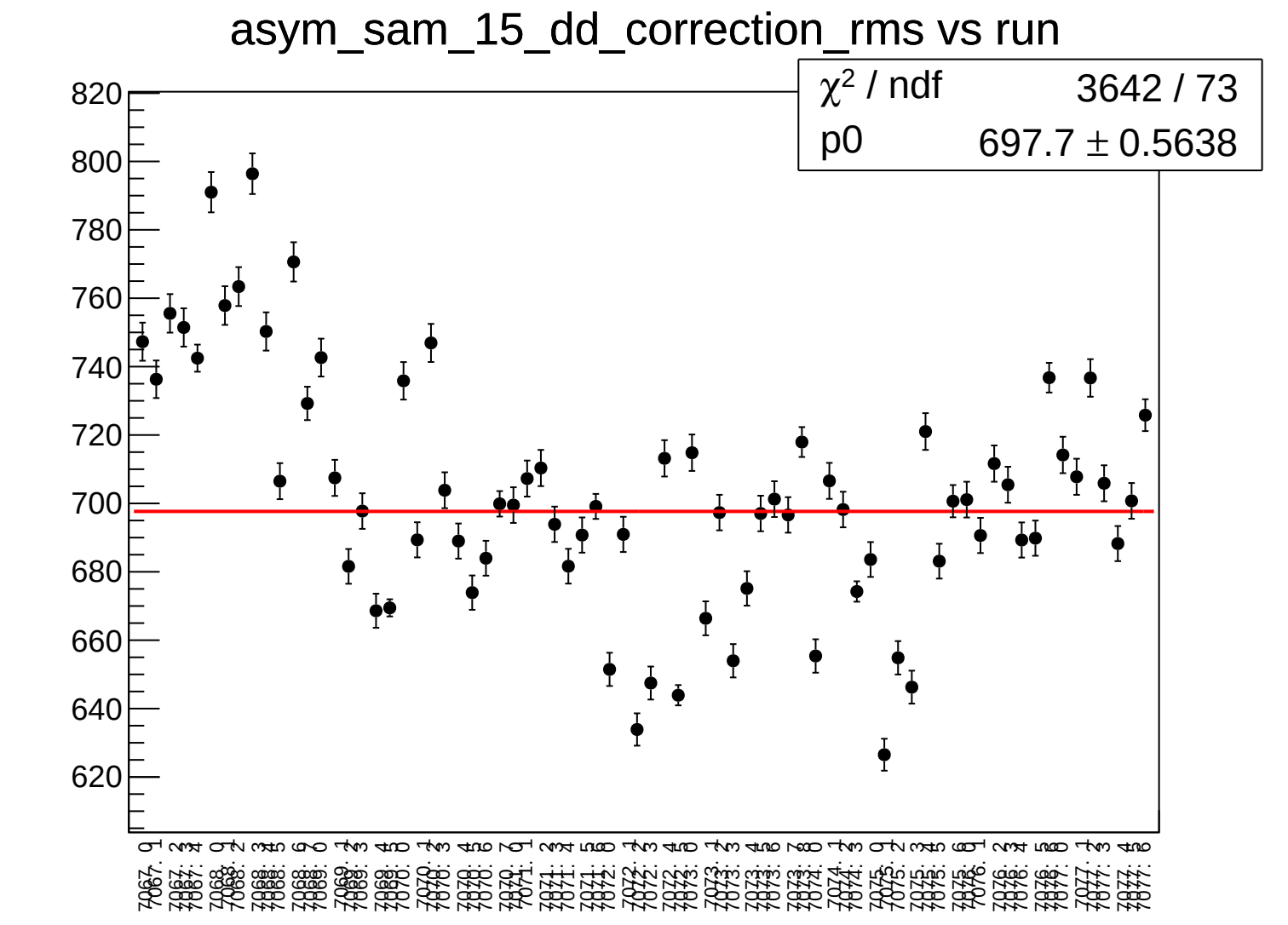

dit_asym_sam_15_dd_mean vs run
χ² / ndf 71.88 / 73
p0 166 ± 133.4
pull
Entries 74
Mean −60.22
Std Dev 138

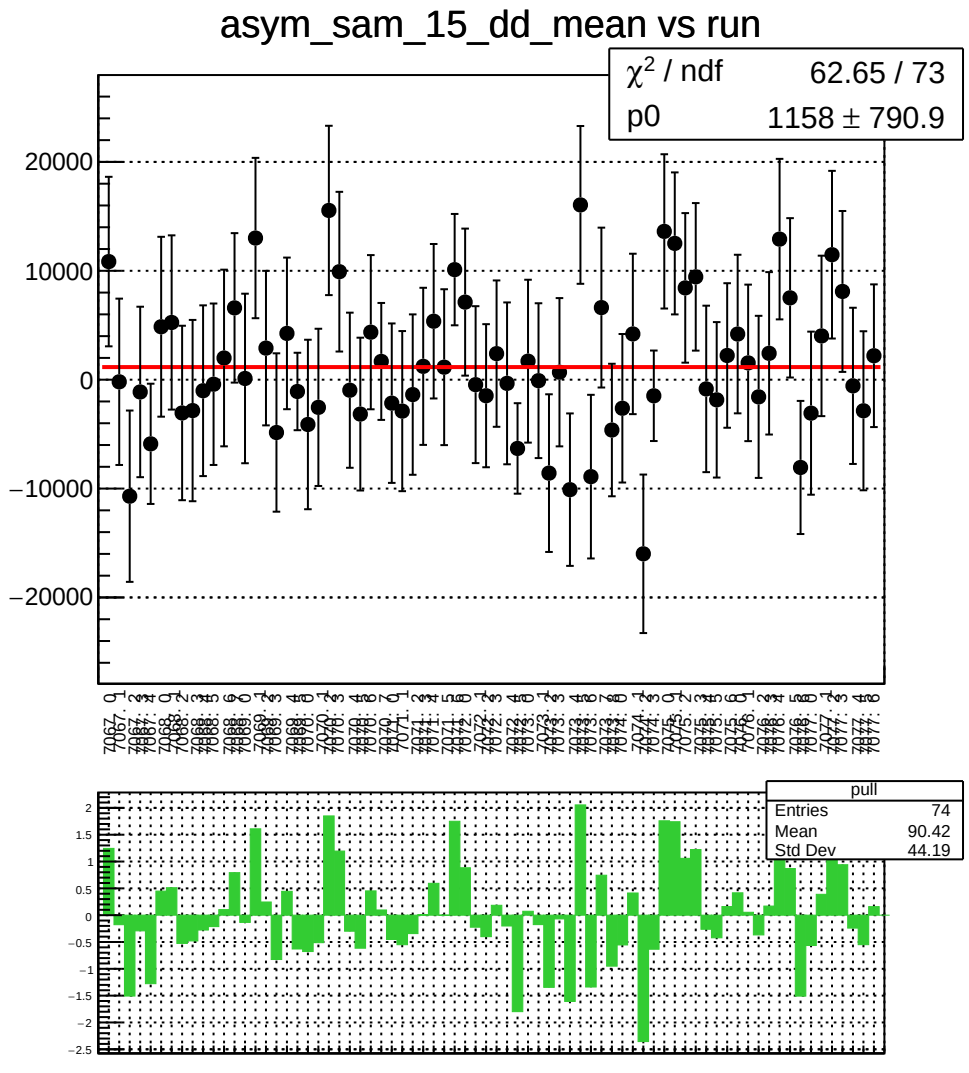

pull1D
Entries 74
Mean 0.01178
Std Dev 0.9855

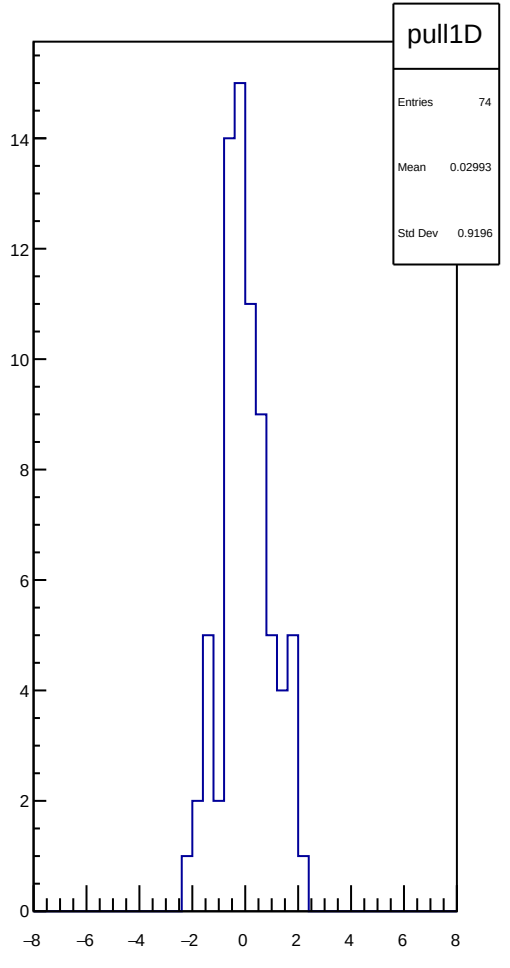

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 663.9 / 73
p0 116.8 ± 0.09431
124
122
120
118
116
114
112

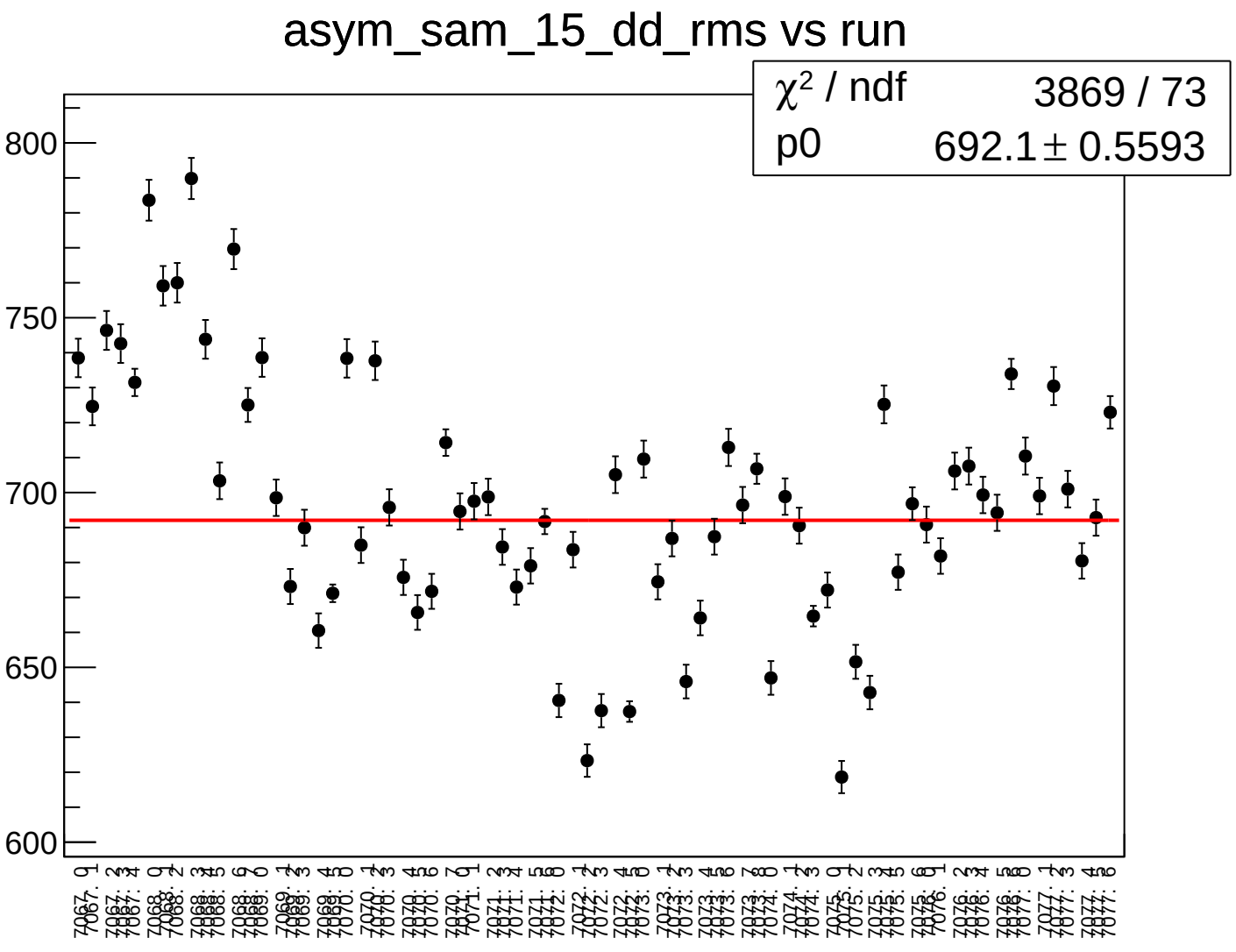

asym_sam_15_dd_correction_mean vs run
χ² / ndf 61.91 / 73
p0 −982.2 ± 797.3
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 100.4
Std Dev 49.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

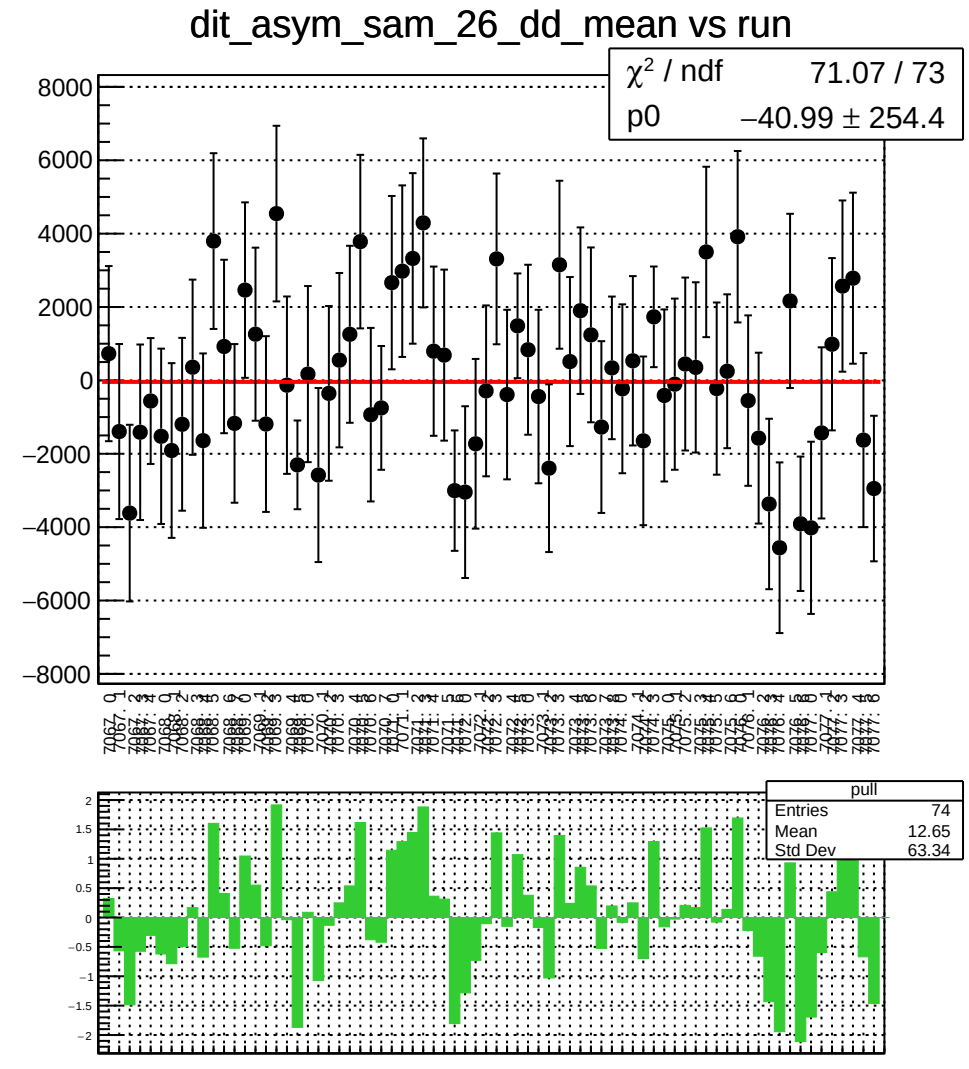

pull1D
Entries 74
Mean −0.02824
Std Dev 0.9142
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

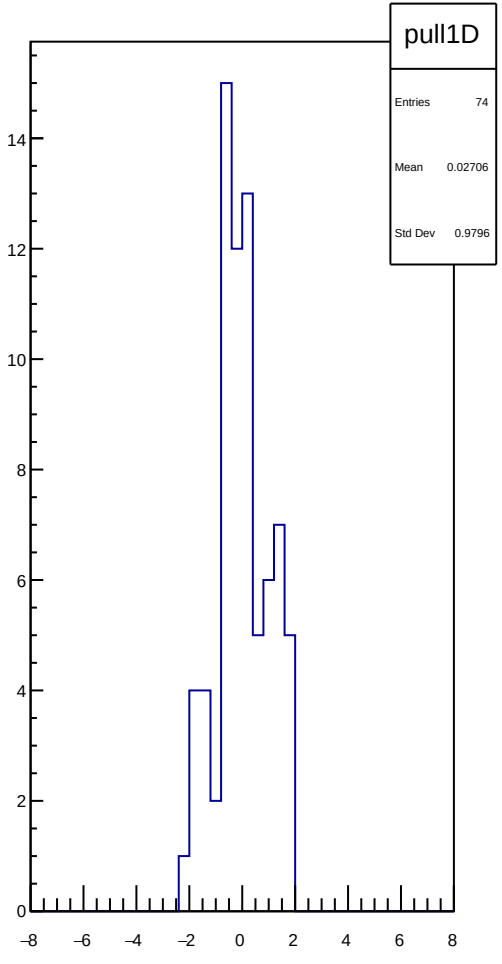

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3642 / 73
p0 697.7 ± 0.5638
820
800
780
760
740
720
700
680
660
640
620

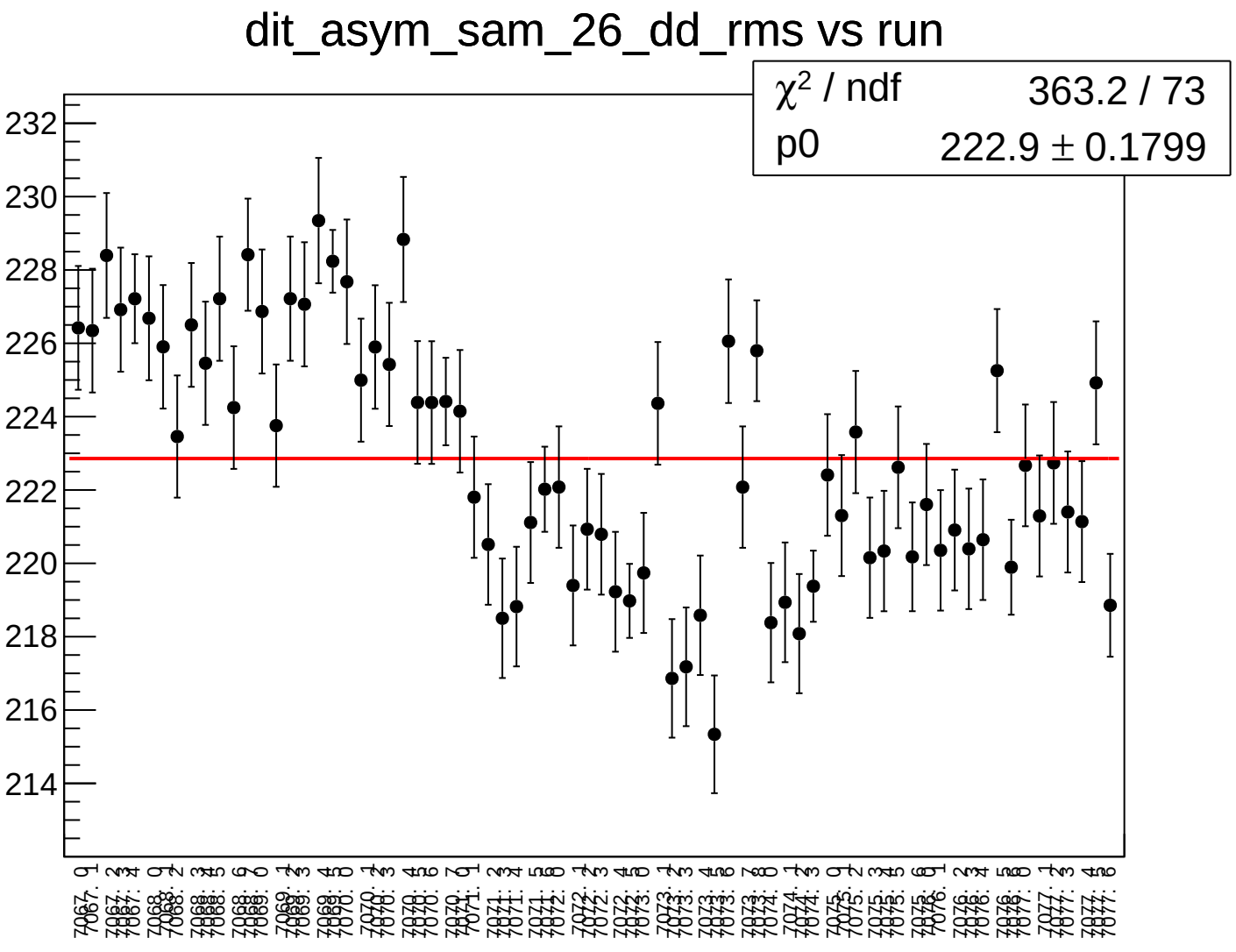

asym_sam_15_dd_mean vs run
χ² / ndf 62.65 / 73
p0 1158 ± 790.9
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 90.42
Std Dev 44.19
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

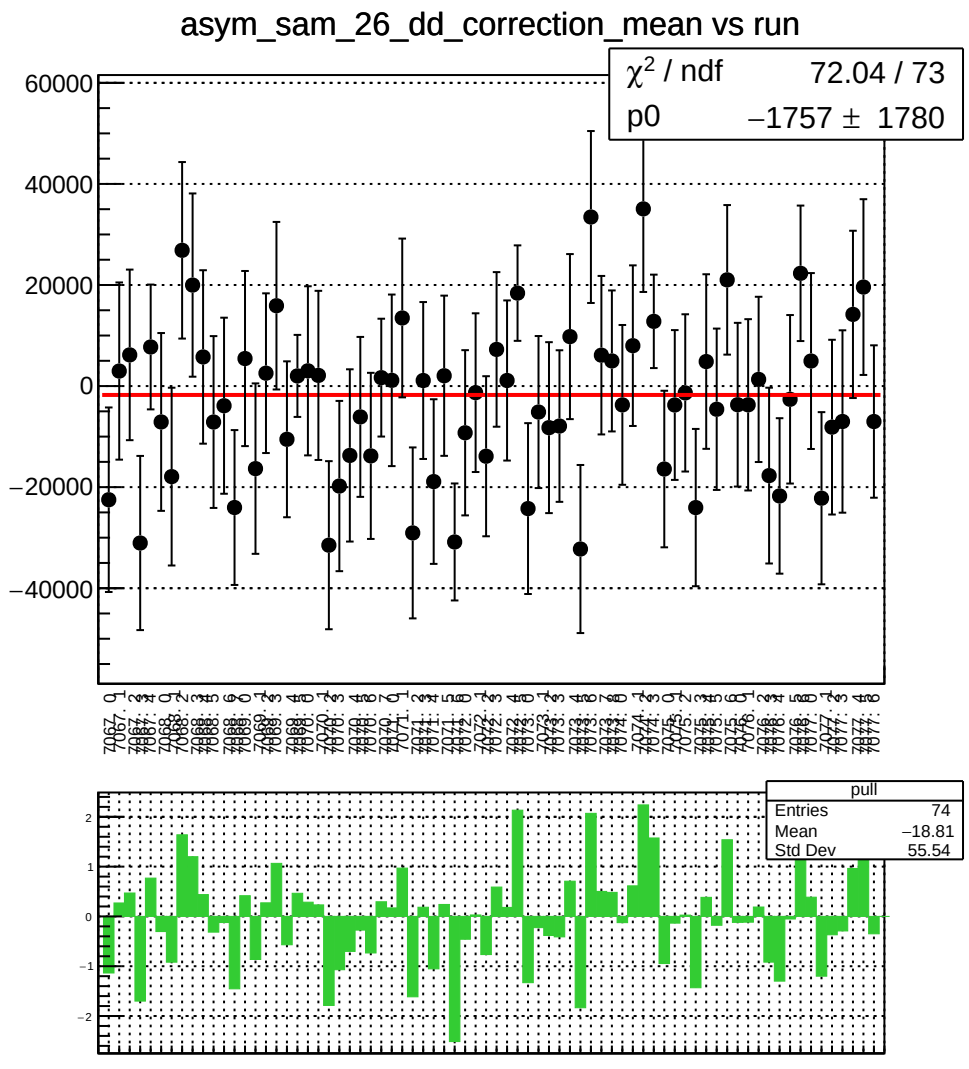

pull1D
Entries 74
Mean 0.02993
Std Dev 0.9196
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

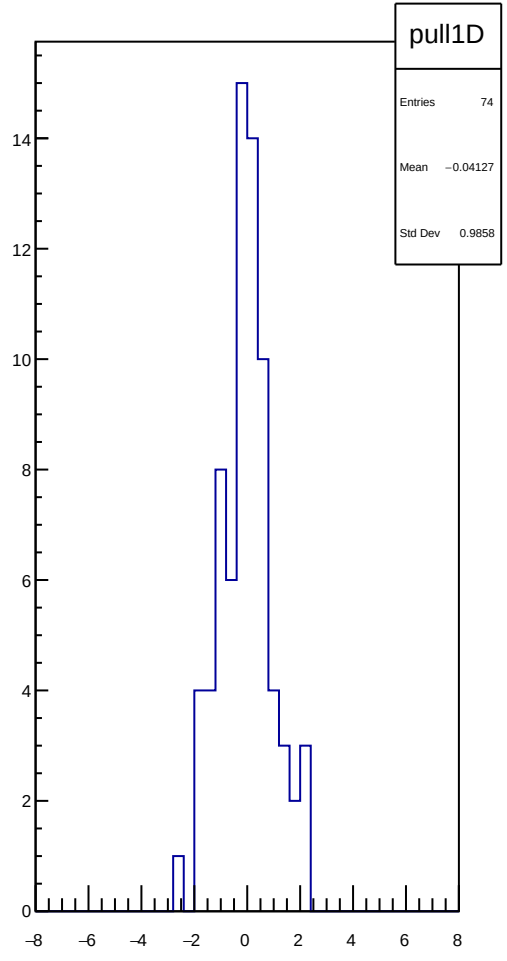

asym_sam_15_dd_rms vs run
χ² / ndf 3869 / 73
p0 692.1 ± 0.5593
800
750
700
650
600

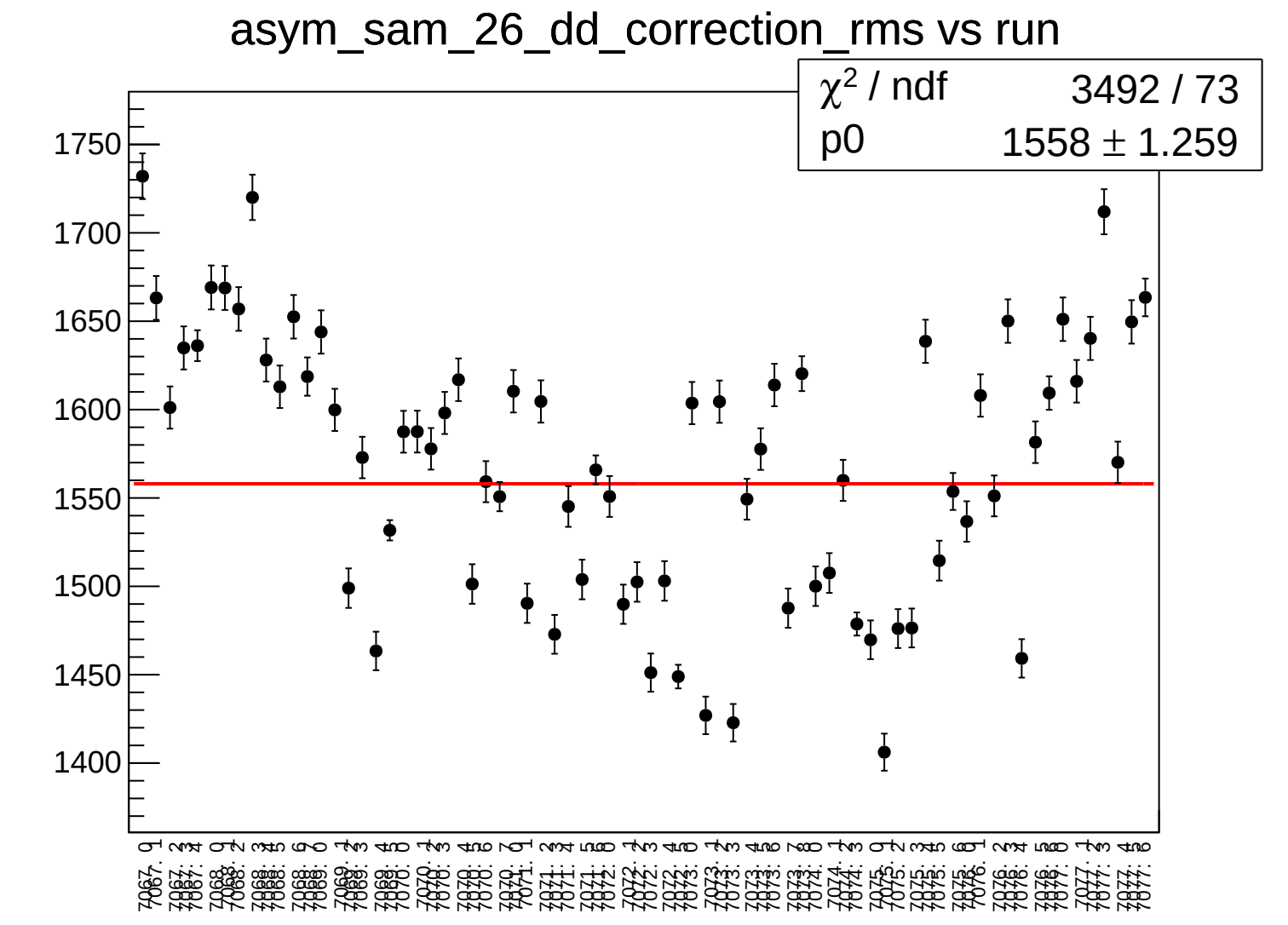

dit_asym_sam_26_dd_mean vs run
χ² / ndf 71.07 / 73
p0 −40.99 ± 254.4
pull
Entries 74
Mean 12.65
Std Dev 63.34

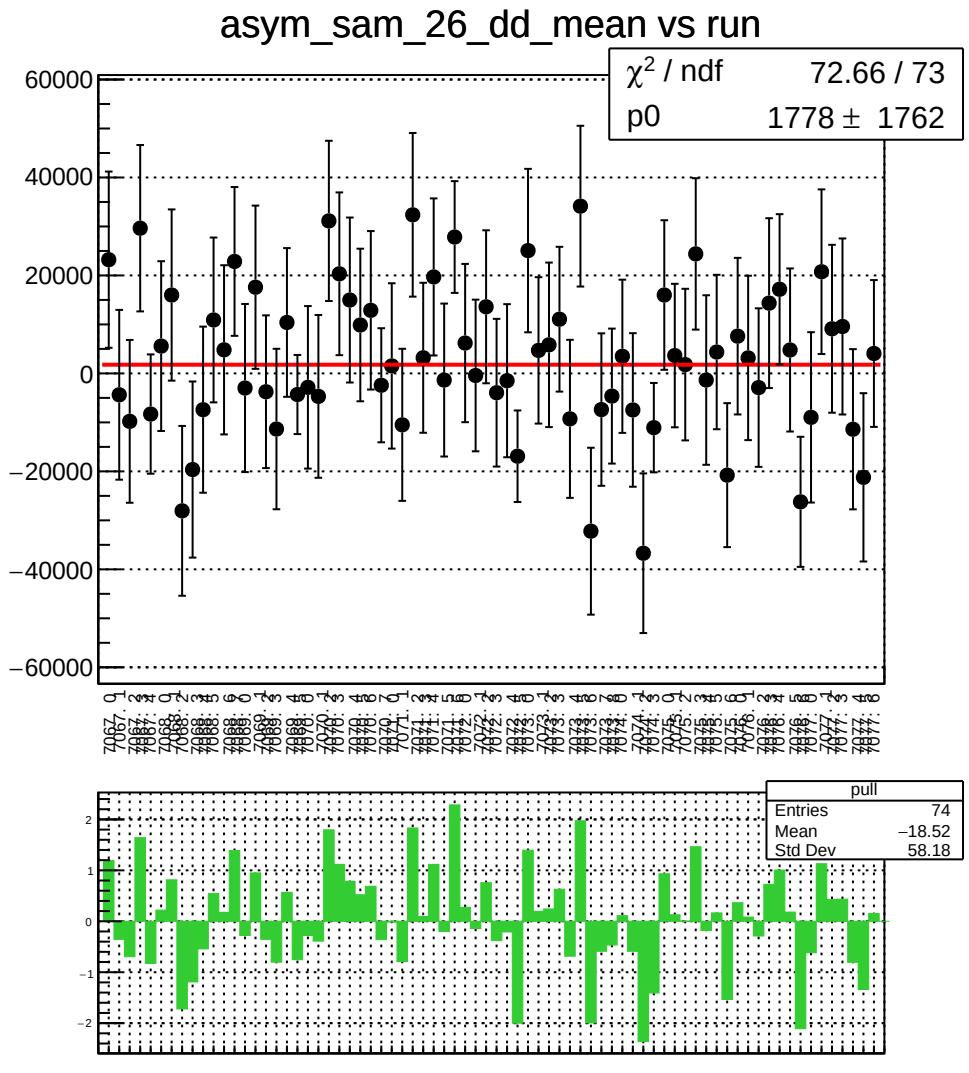

pull1D
Entries 74
Mean 0.02706
Std Dev 0.9796

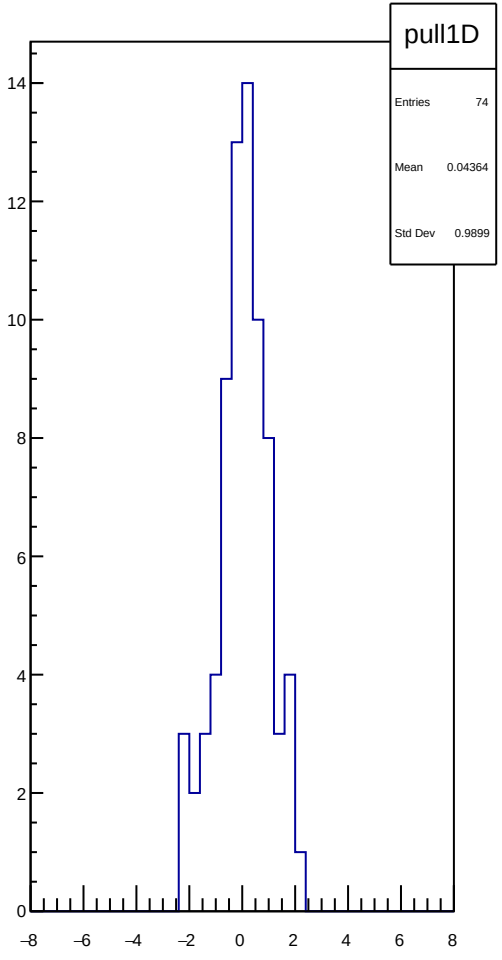

dit_asym_sam_26_dd_rms vs run
χ² / ndf 363.2 / 73
p0 222.9 ± 0.1799
232
230
228
226
224
222
220
218
216
214

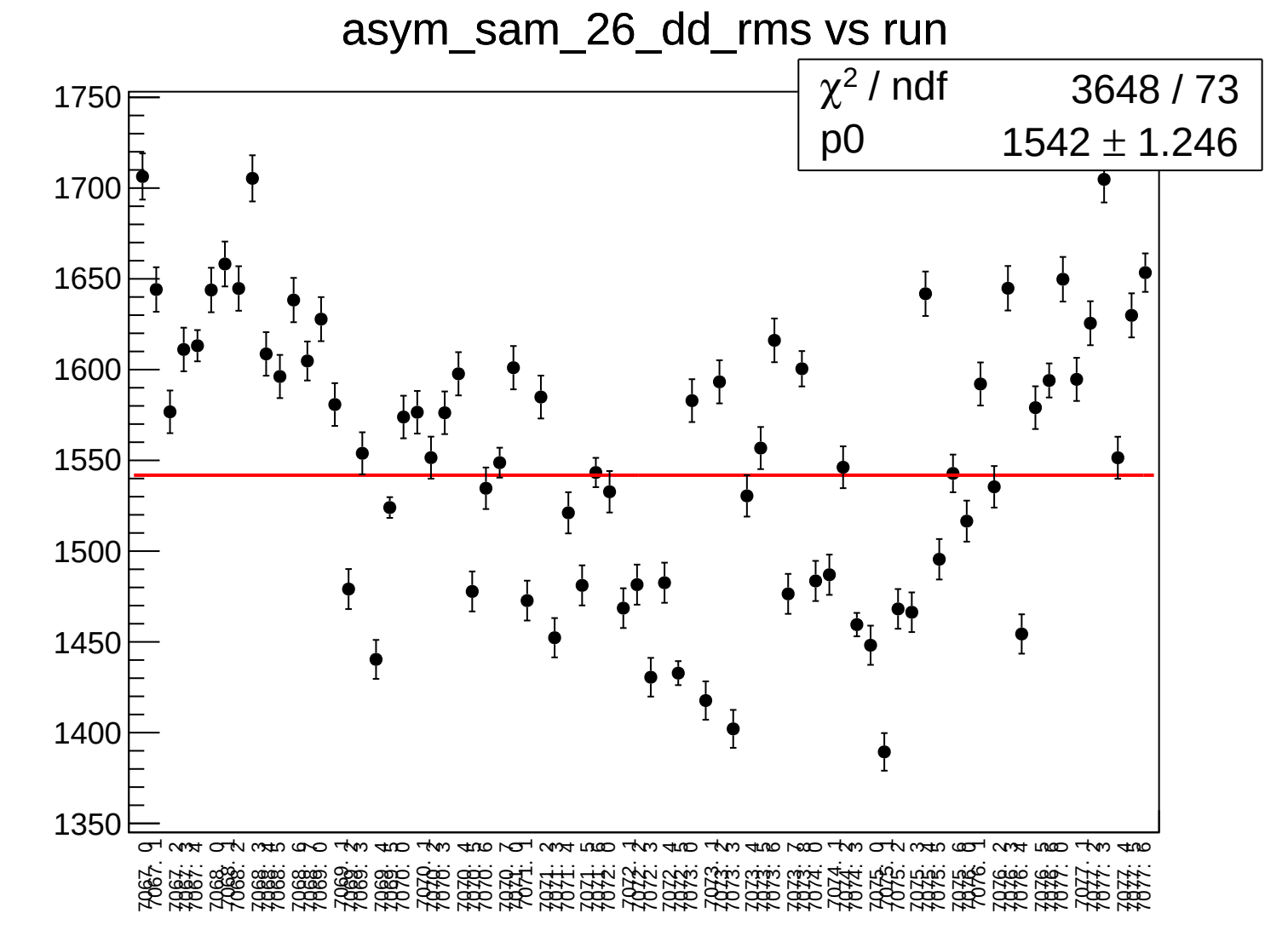

asym_sam_26_dd_correction_mean vs run
χ² / ndf 72.04 / 73
p0 −1757 ± 1780
60000
40000
20000
0
−20000
−40000
pull
Entries 74
Mean −18.81
Std Dev 55.54
2
1
0
−1
−2

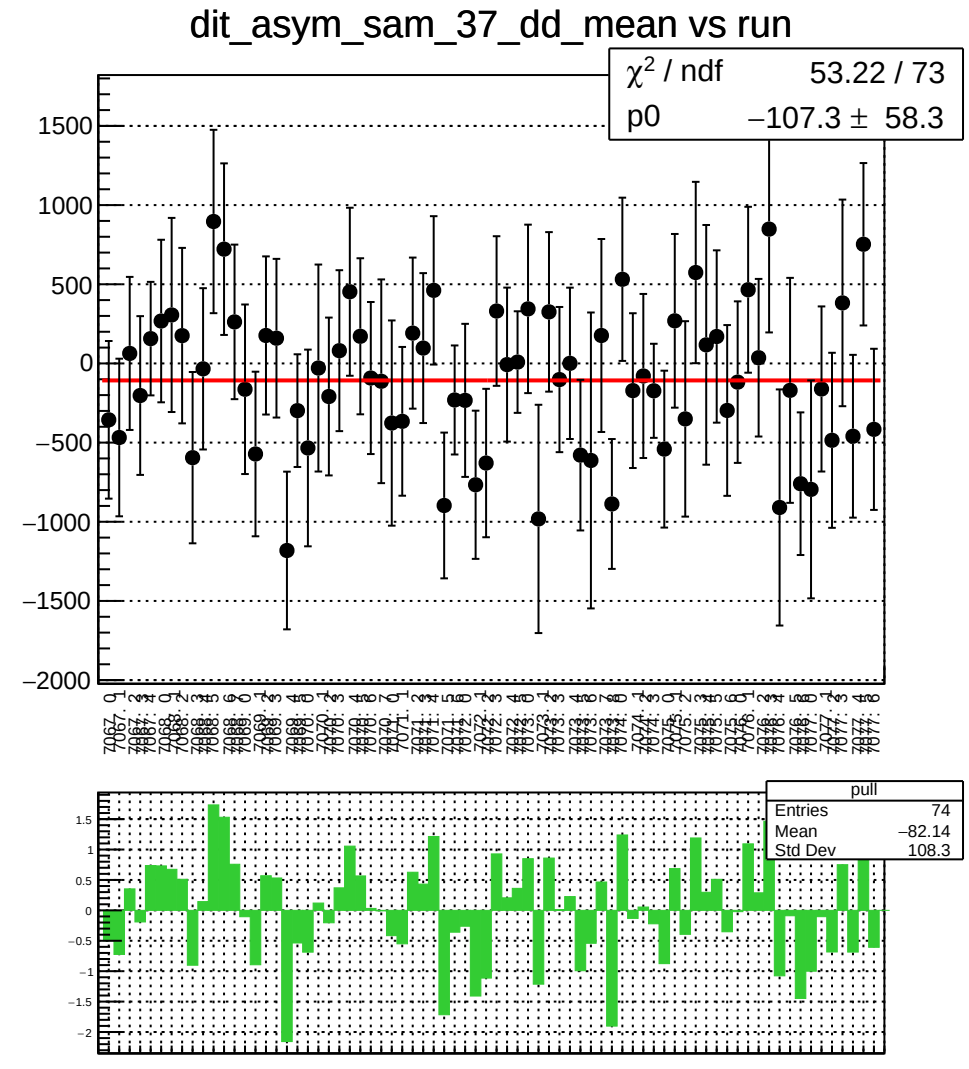

pull1D
Entries 74
Mean −0.04127
Std Dev 0.9858
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

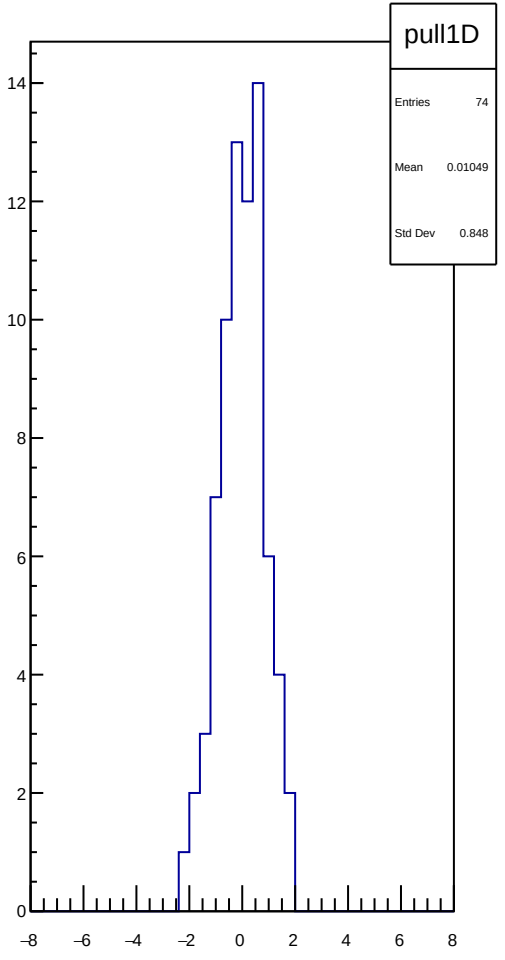

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3492 / 73
p0 1558 ± 1.259
1750
1700
1650
1600
1550
1500
1450
1400

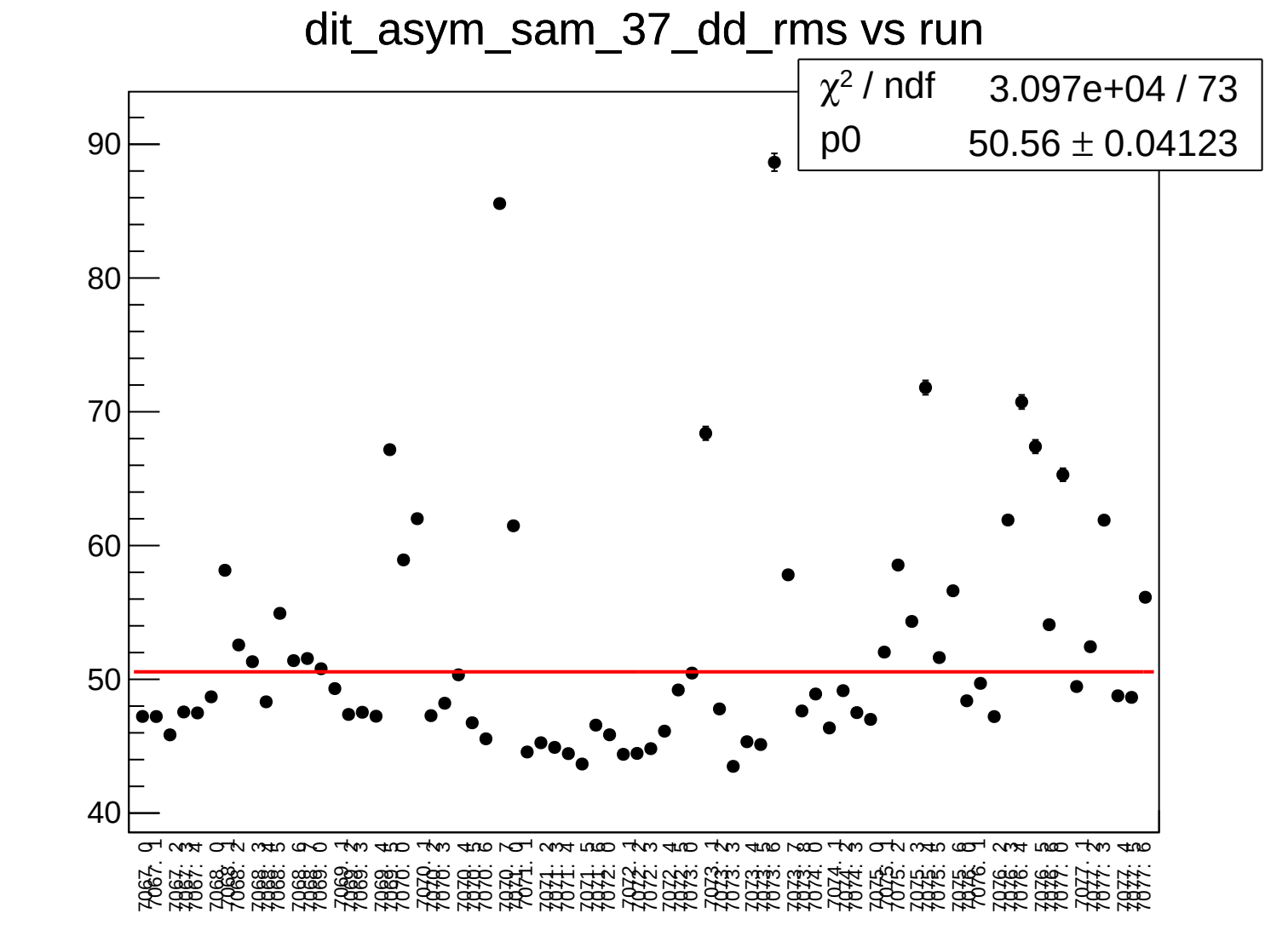

asym_sam_26_dd_mean vs run
χ² / ndf 72.66 / 73
p0 1778 ± 1762
pull
Entries 74
Mean −18.52
Std Dev 58.18

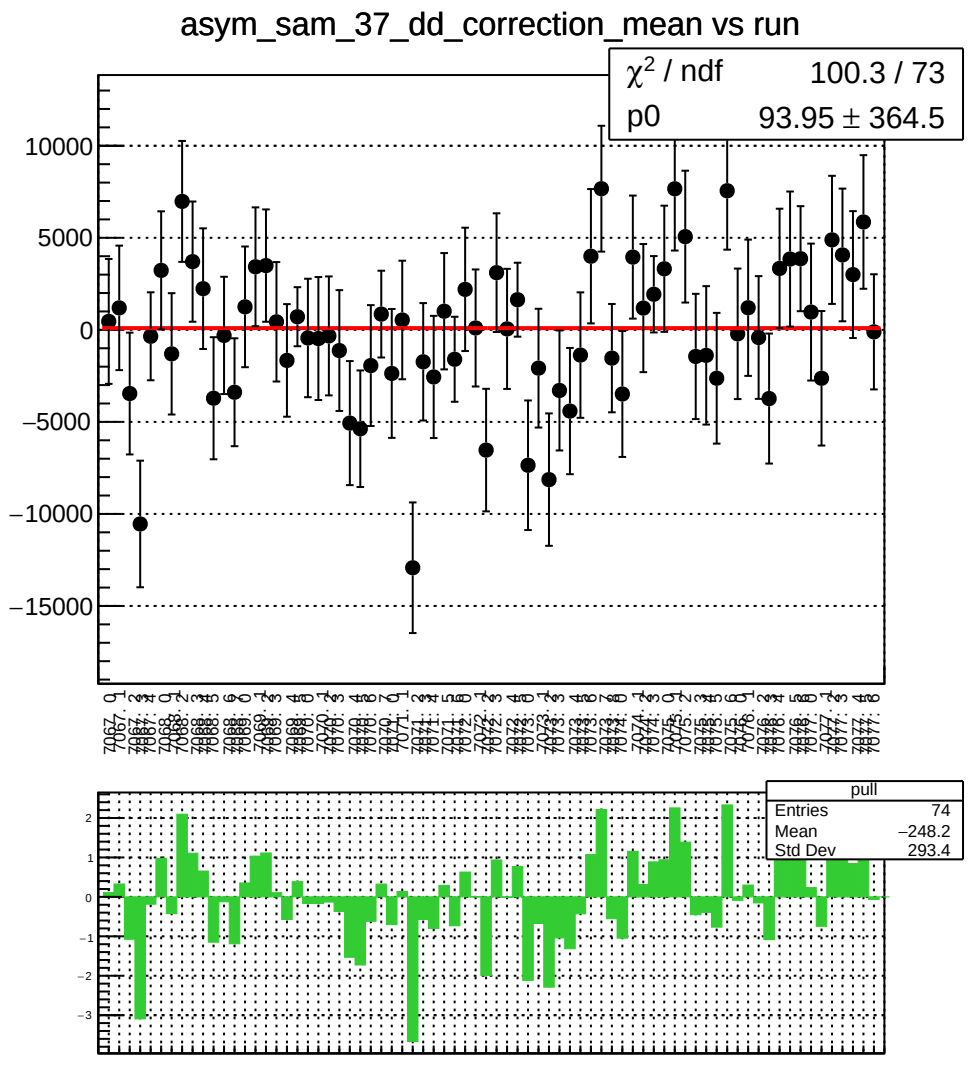

pull1D
Entries 74
Mean 0.04364
Std Dev 0.9899

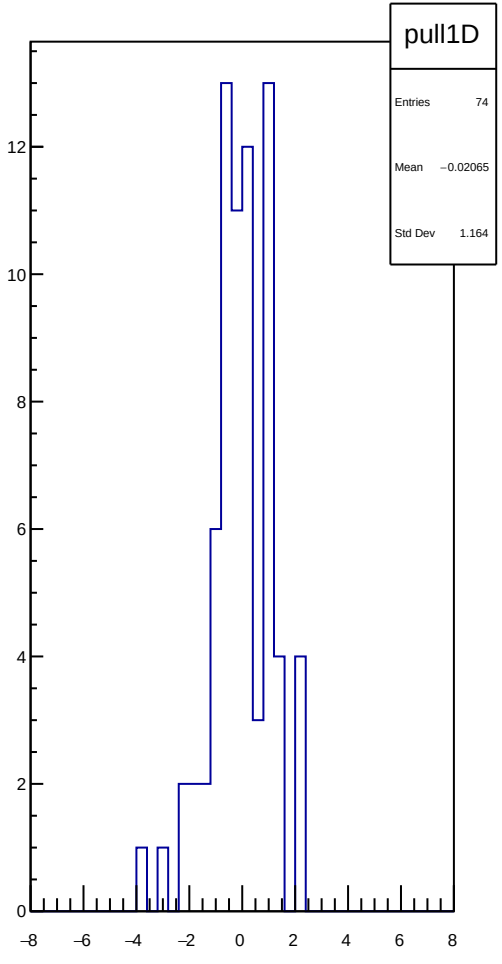

asym_sam_26_dd_rms vs run
χ² / ndf 3648 / 73
p0 1542 ± 1.246
1750
1700
1650
1600
1550
1500
1450
1400
1350

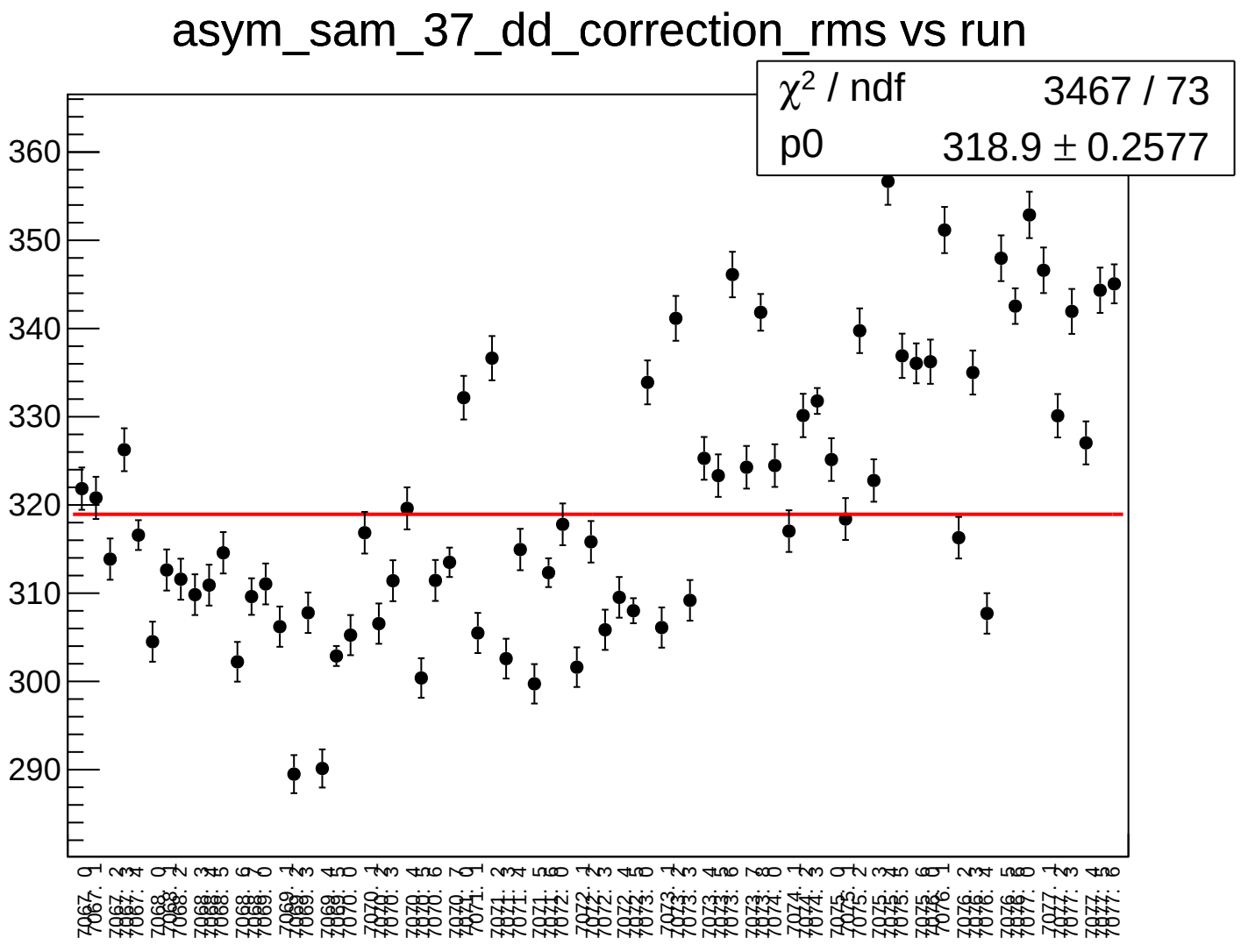

dit_asym_sam_37_dd_mean vs run
χ² / ndf 53.22 / 73
p0 −107.3 ± 58.3
pull
Entries 74
Mean −82.14
Std Dev 108.3

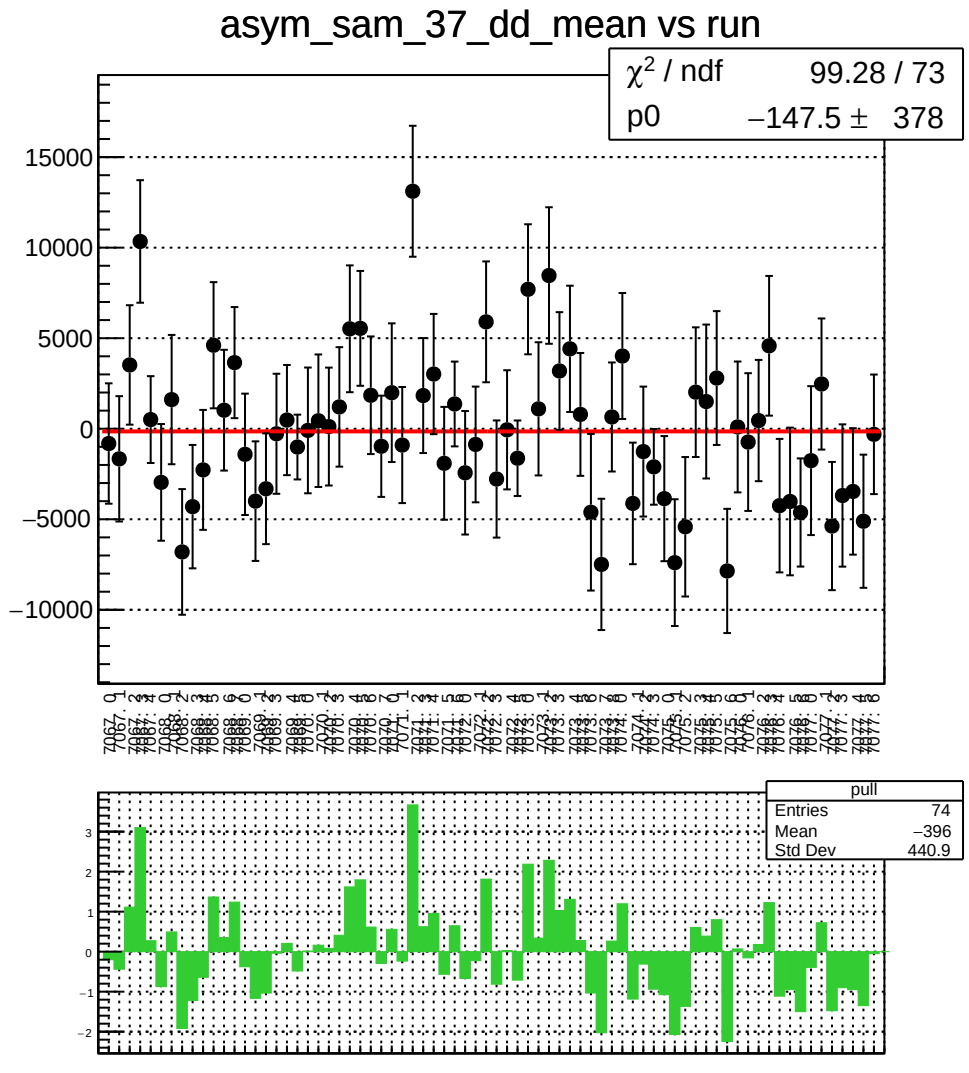

pull1D
Entries 74
Mean 0.01049
Std Dev 0.848

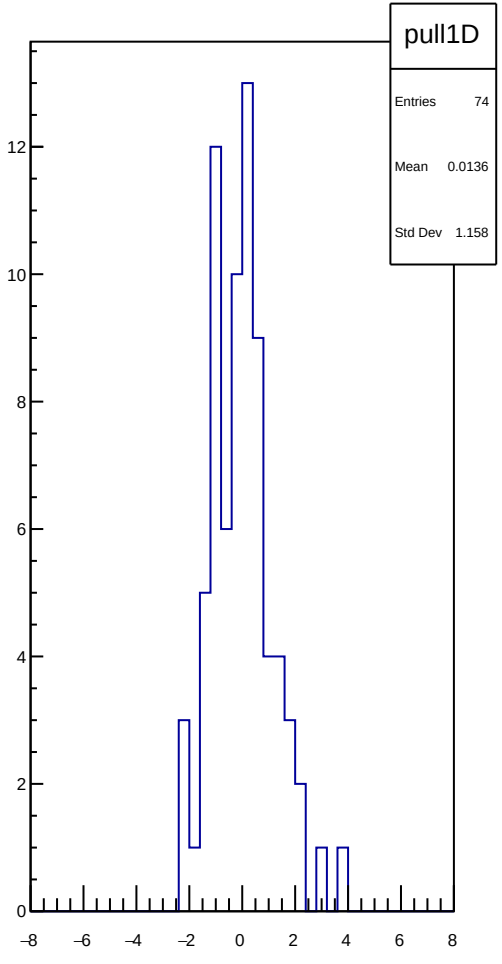

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 3.097e+04 / 73
p0 50.56 ± 0.04123
90
80
70
60
50
40

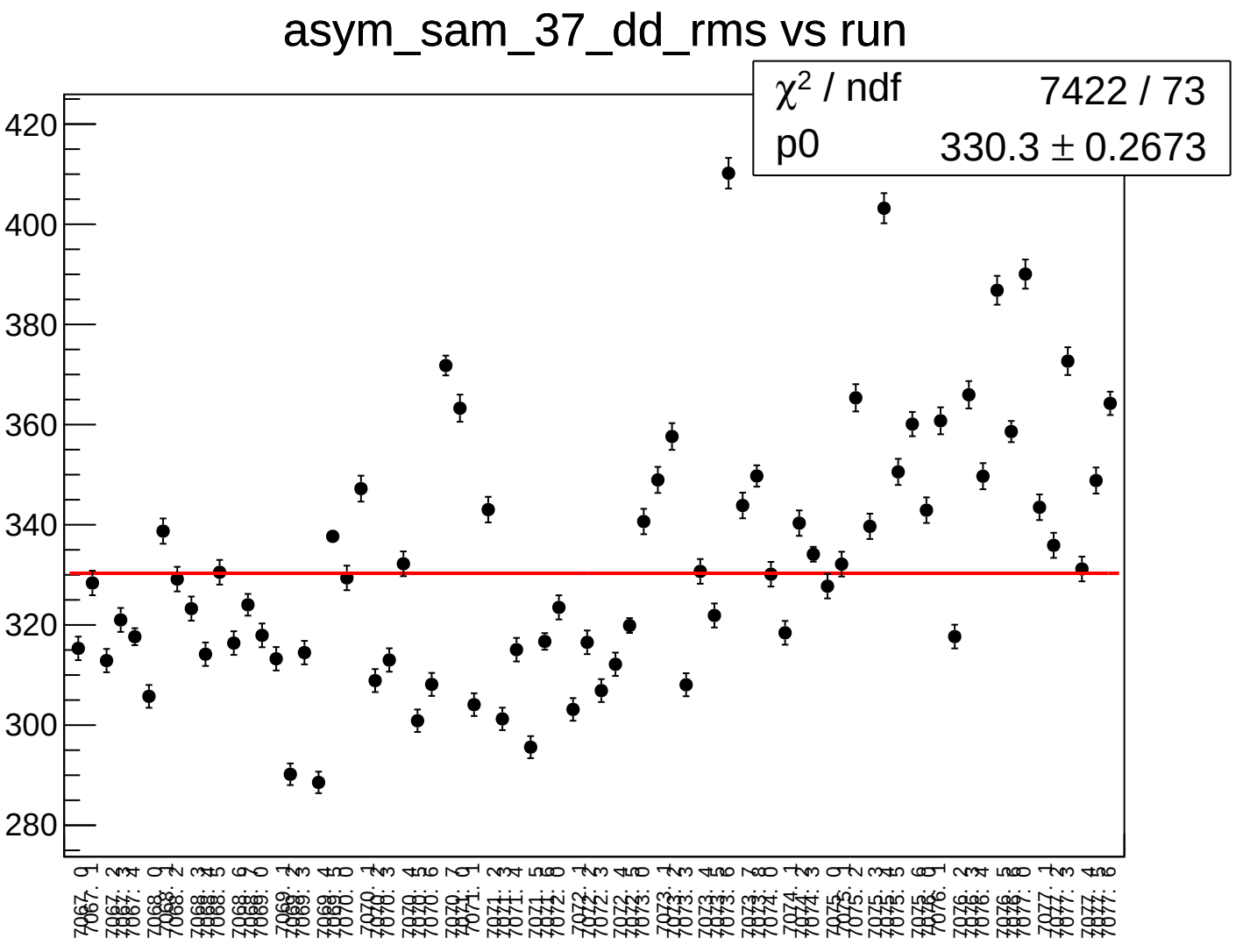

asym_sam_37_dd_correction_mean vs run
χ² / ndf 100.3 / 73
p0 93.95 ± 364.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −248.2
Std Dev 293.4
2
1
0
−1
−2
−3

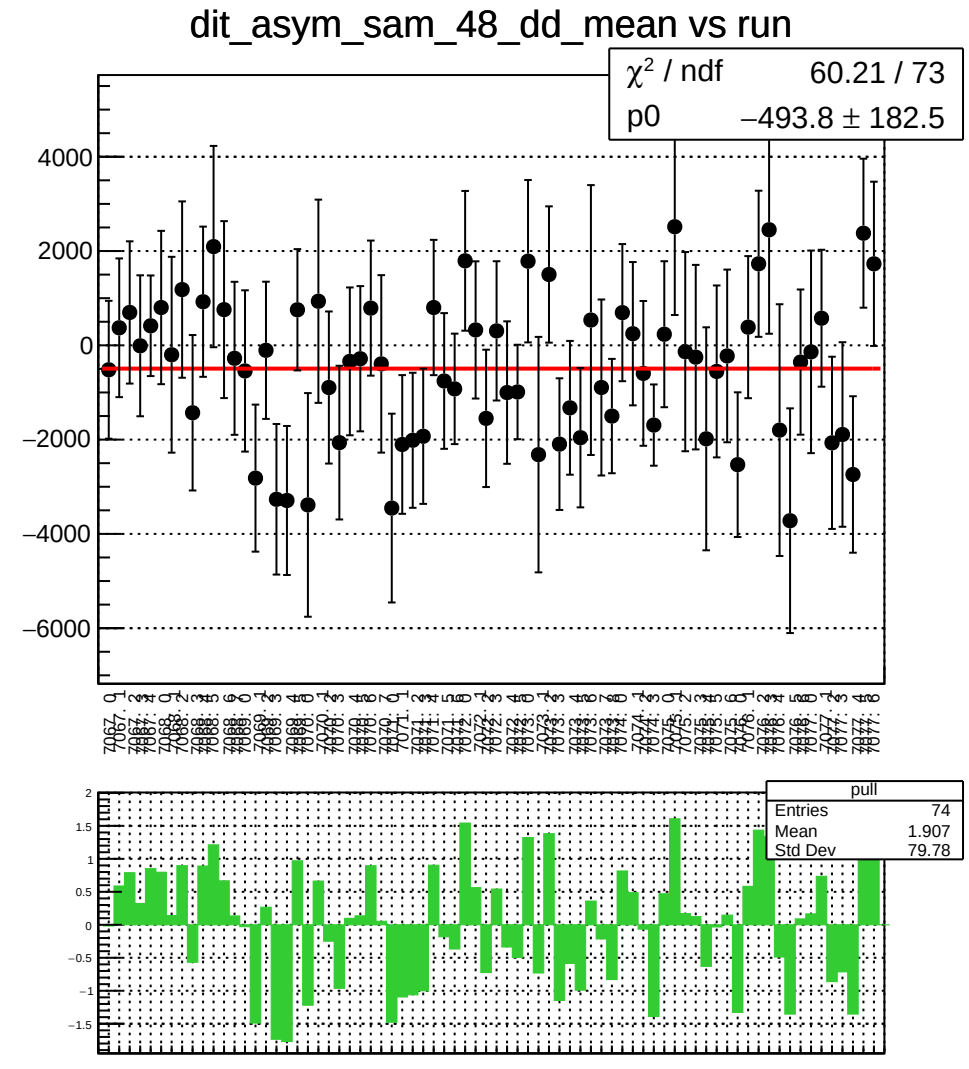

pull1D
Entries 74
Mean −0.02065
Std Dev 1.164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

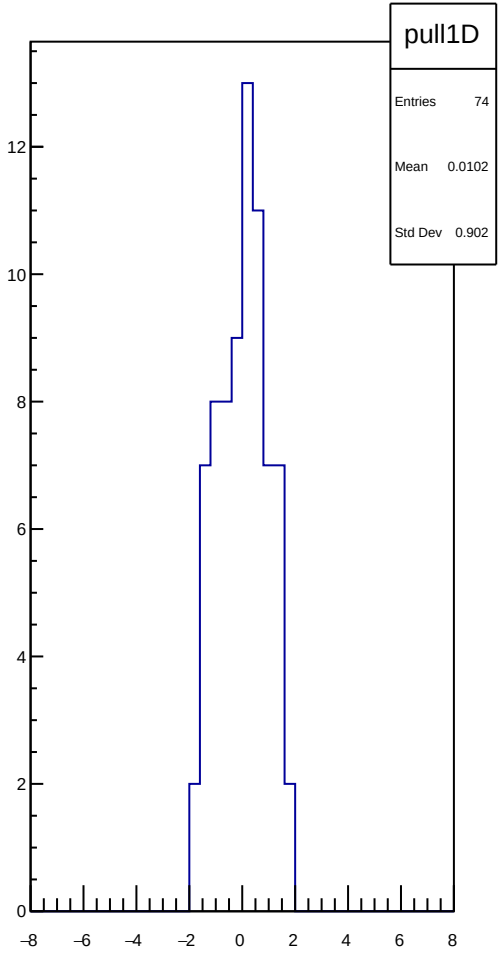

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3467 / 73
p0 318.9 ± 0.2577
360
350
340
330
320
310
300
290

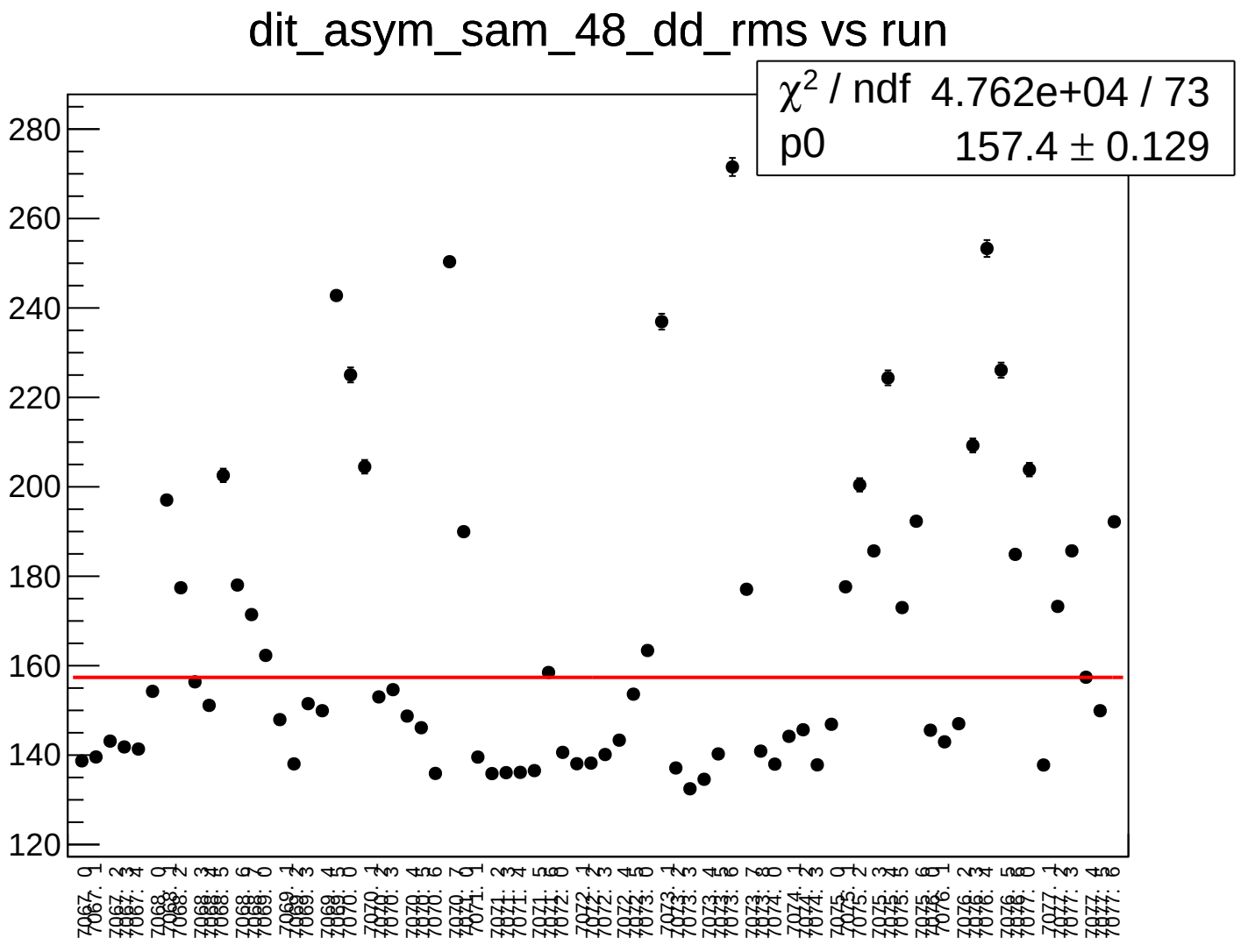

asym_sam_37_dd_mean vs run
χ² / ndf 99.28 / 73
p0 −147.5 ± 378
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −396
Std Dev 440.9
3
2
1
0
−1
−2

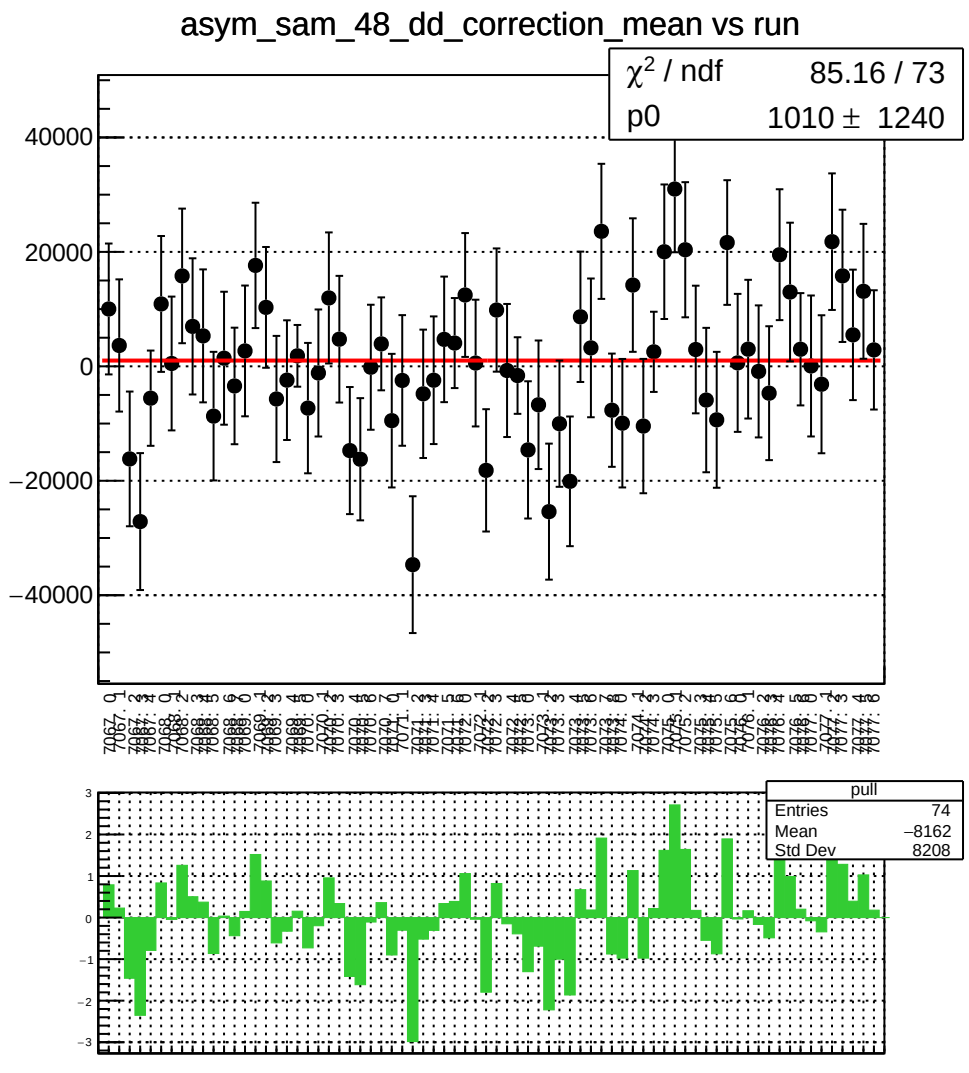

pull1D
Entries 74
Mean 0.0136
Std Dev 1.158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

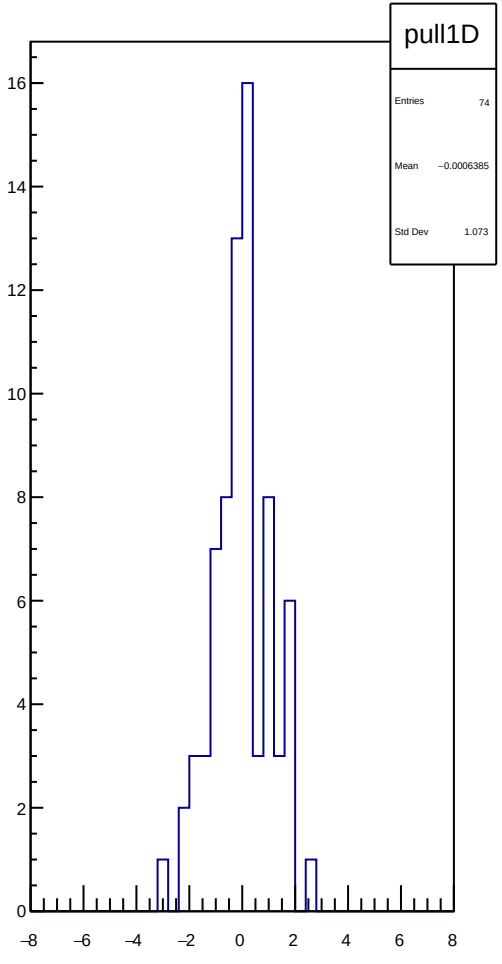

asym_sam_37_dd_rms vs run
χ² / ndf 7422 / 73
p0 330.3 ± 0.2673
420
400
380
360
340
320
300
280

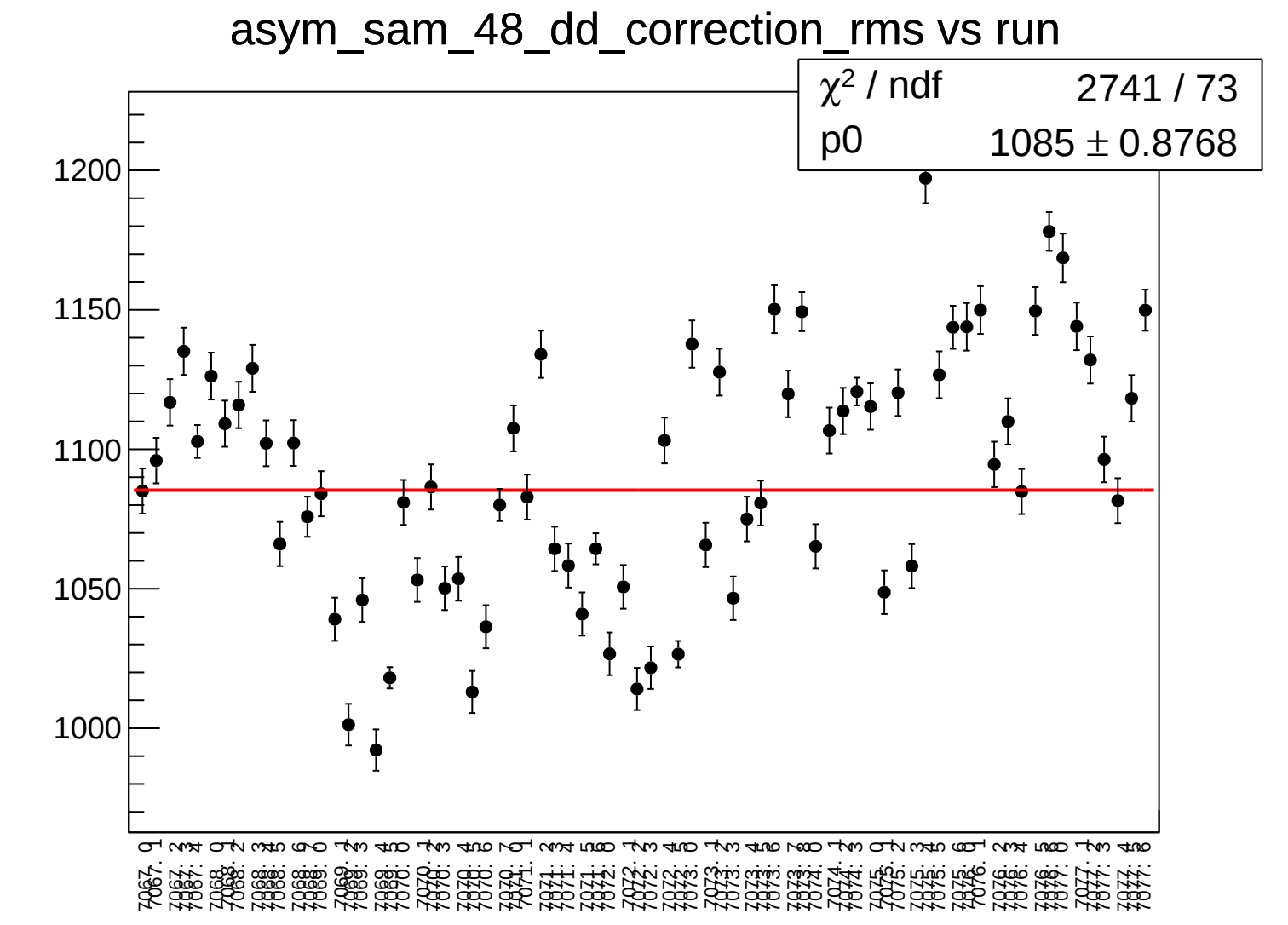

dit_asym_sam_48_dd_mean vs run
χ² / ndf 60.21 / 73
p0 −493.8 ± 182.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean 1.907
Std Dev 79.78
2
1.5
1
0.5
0
−0.5
−1
−1.5

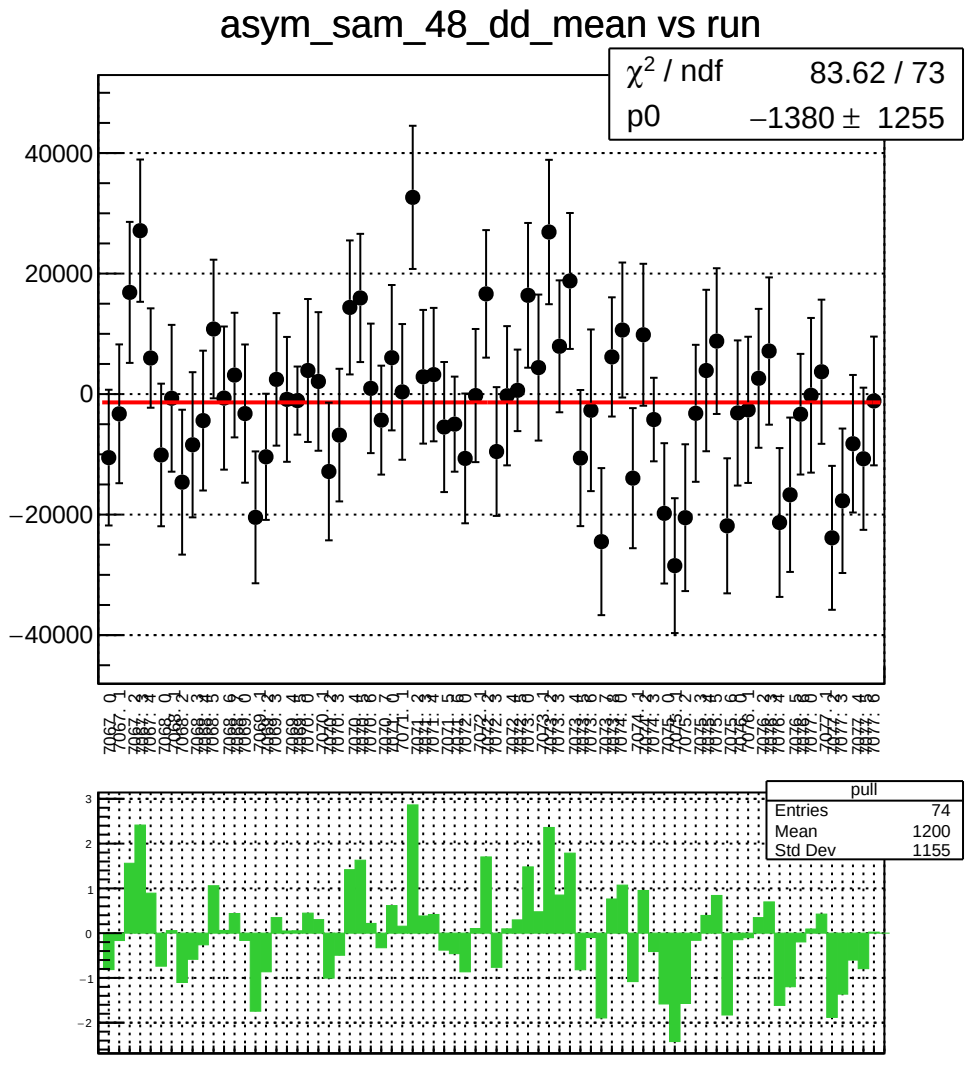

pull1D
Entries 74
Mean 0.0102
Std Dev 0.902
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

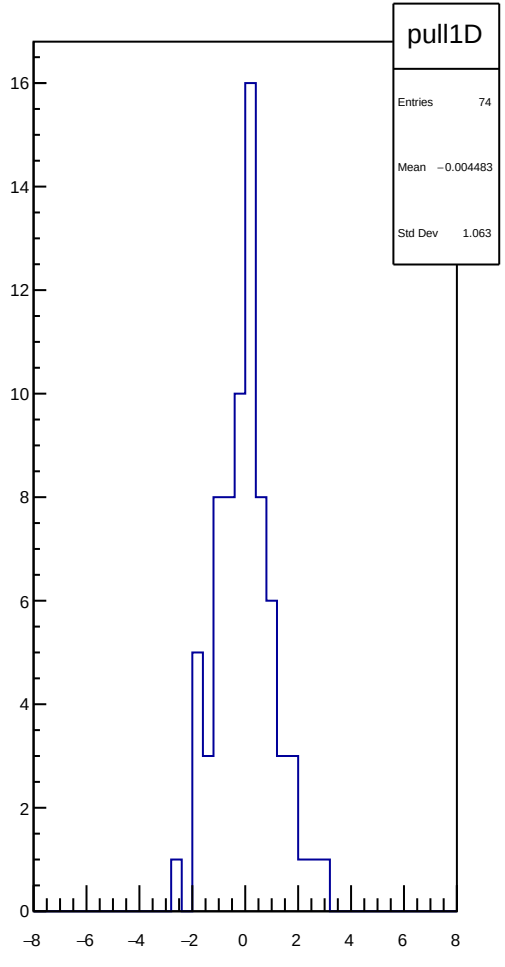

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 4.762e+04 / 73
p0 157.4 ± 0.129
280
260
240
220
200
180
160
140
120

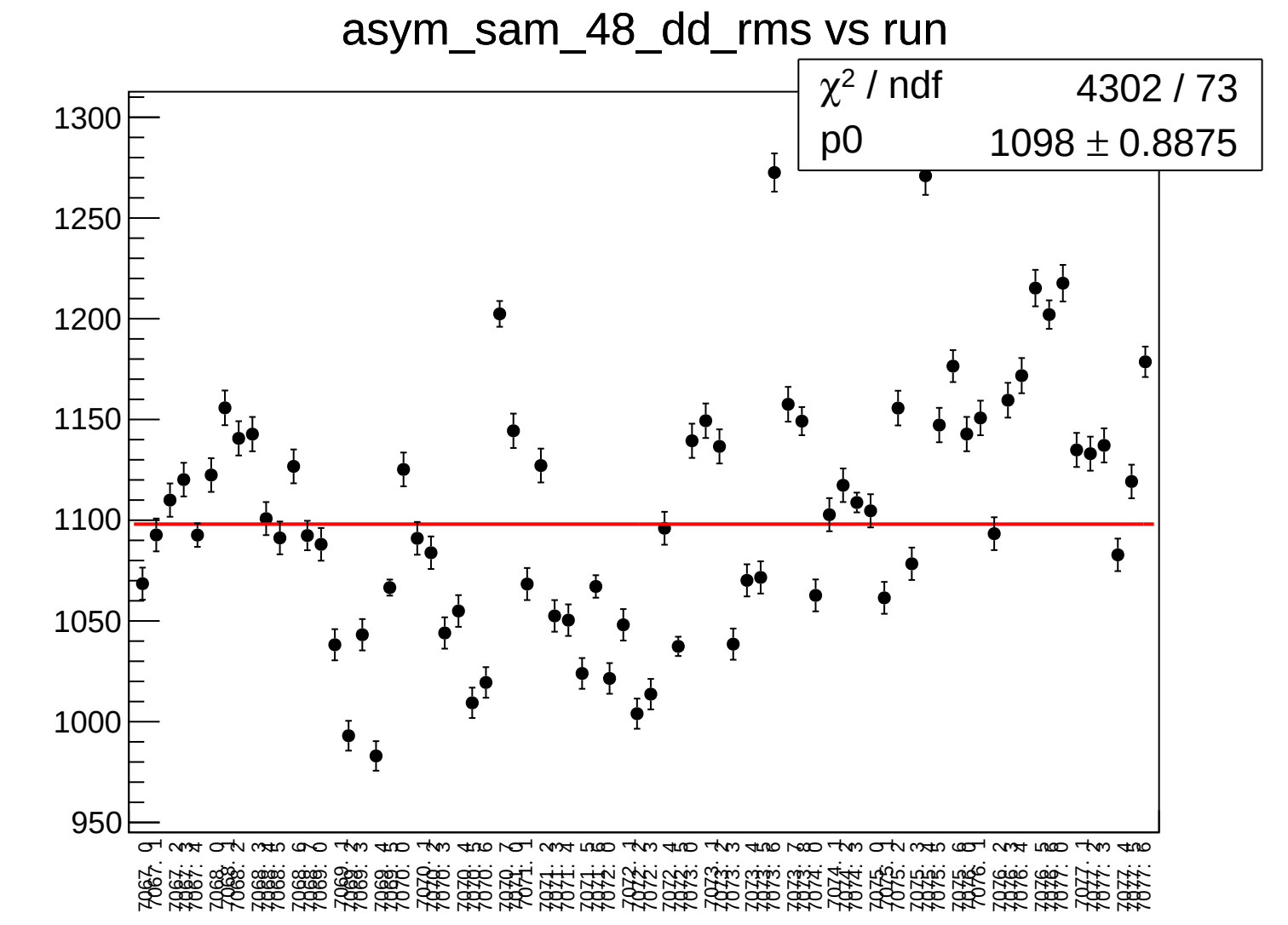

asym_sam_48_dd_correction_mean vs run
χ² / ndf 85.16 / 73
p0 1010 ± 1240
40000
20000
0
−20000
−40000
pull
Entries 74
Mean −8162
Std Dev 8208
3
2
1
0
−1
−2
−3

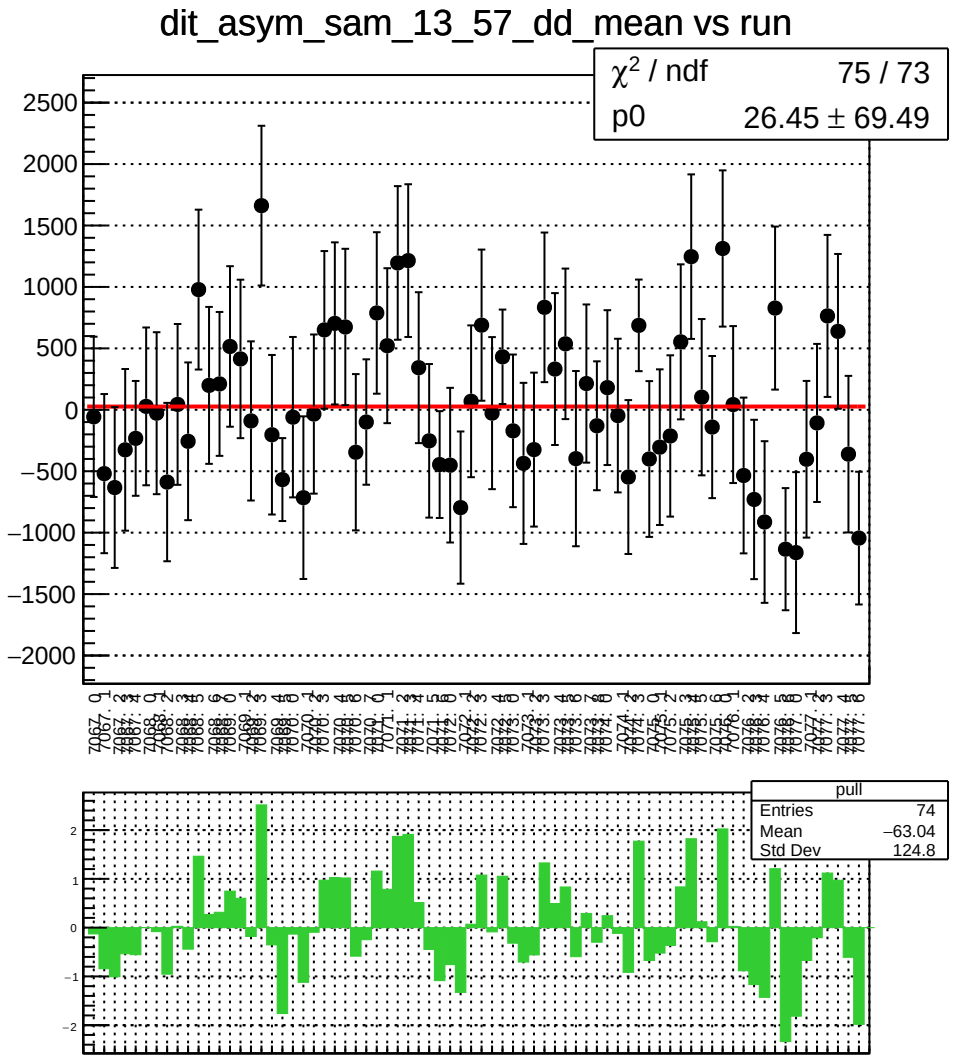

pull1D
Entries 74
Mean −0.0006385
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

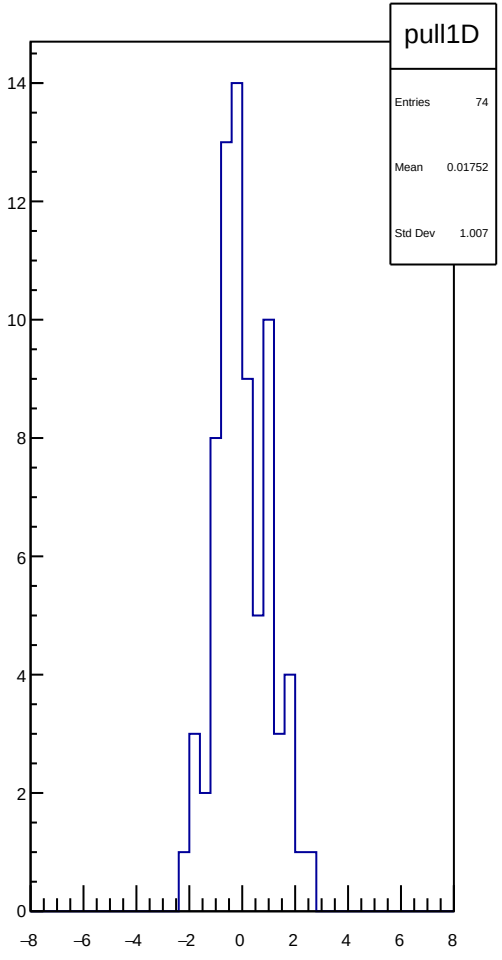

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2741 / 73
p0 1085 ± 0.8768
1200
1150
1100
1050
1000

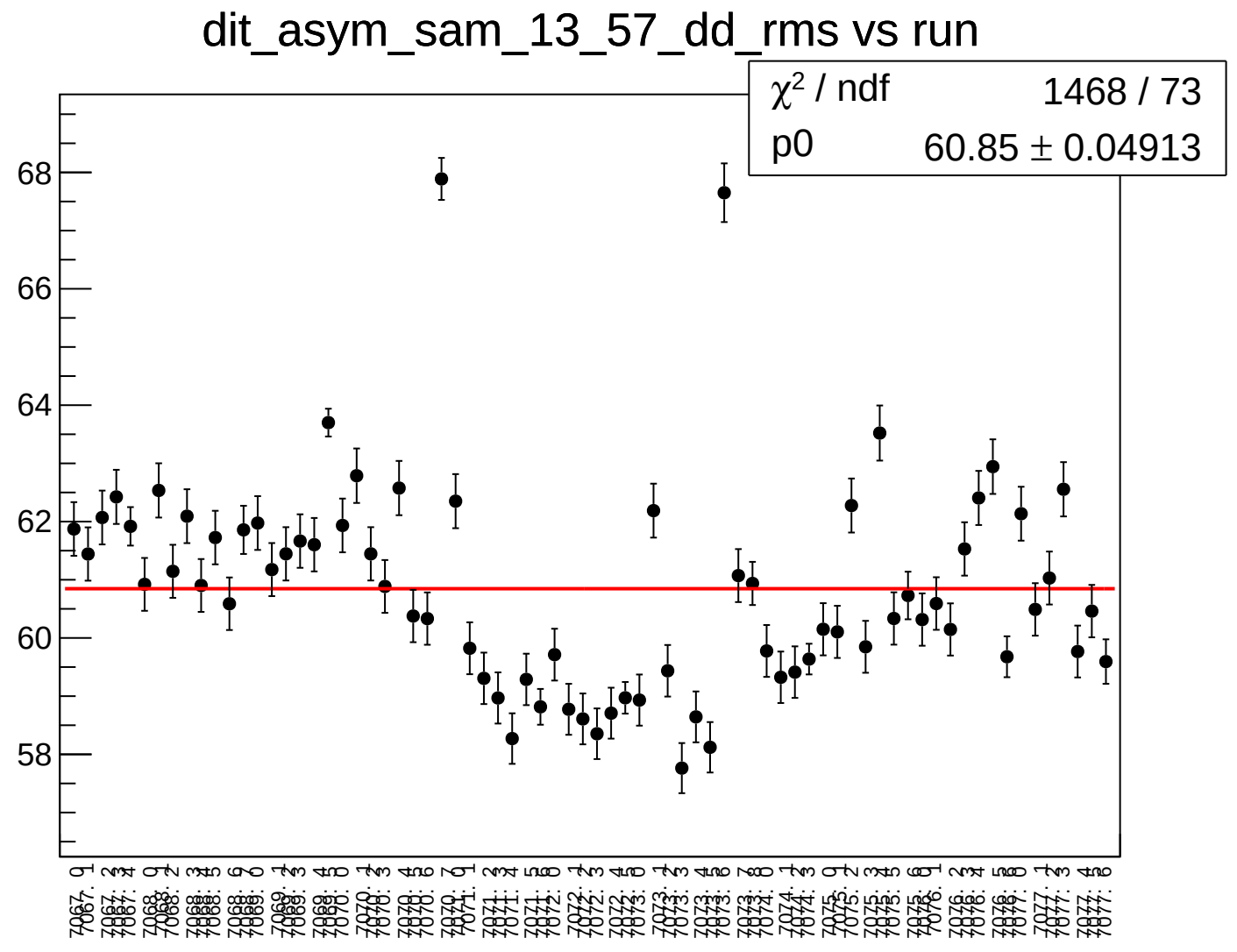

asym_sam_48_dd_mean vs run
χ² / ndf 83.62 / 73
p0 −1380 ± 1255
40000
20000
0
−20000
−40000
pull
Entries 74
Mean 1200
Std Dev 1155
3
2
1
0
−1
−2

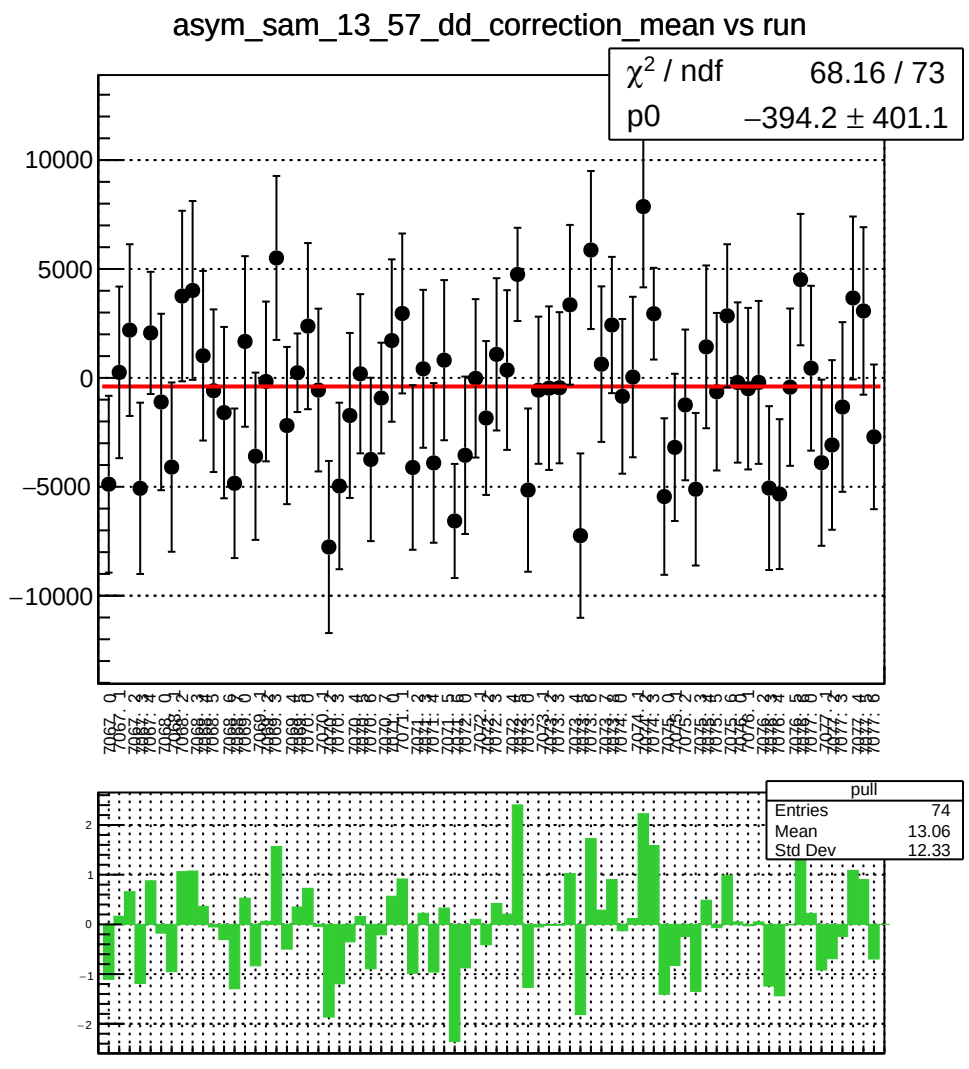

pull1D
Entries 74
Mean −0.004483
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

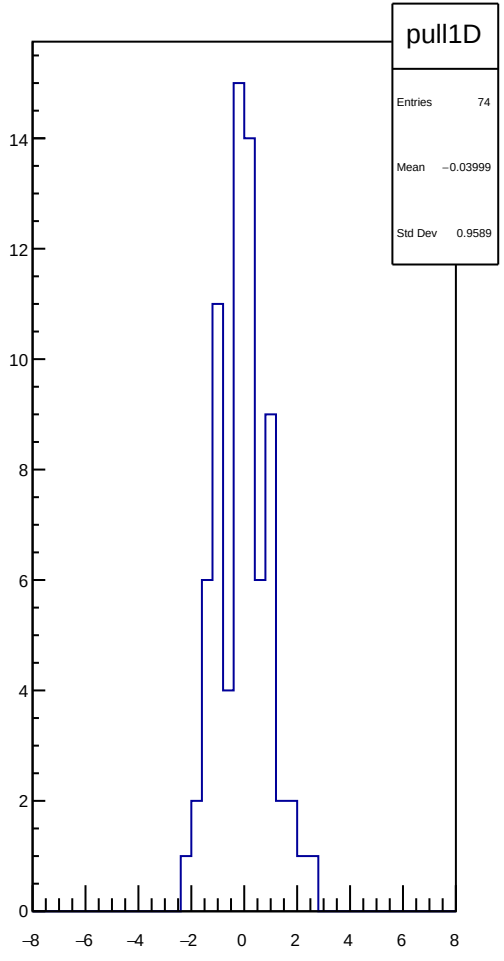

asym_sam_48_dd_rms vs run
χ² / ndf 4302 / 73
p0 1098 ± 0.8875
1300
1250
1200
1150
1100
1050
1000
950

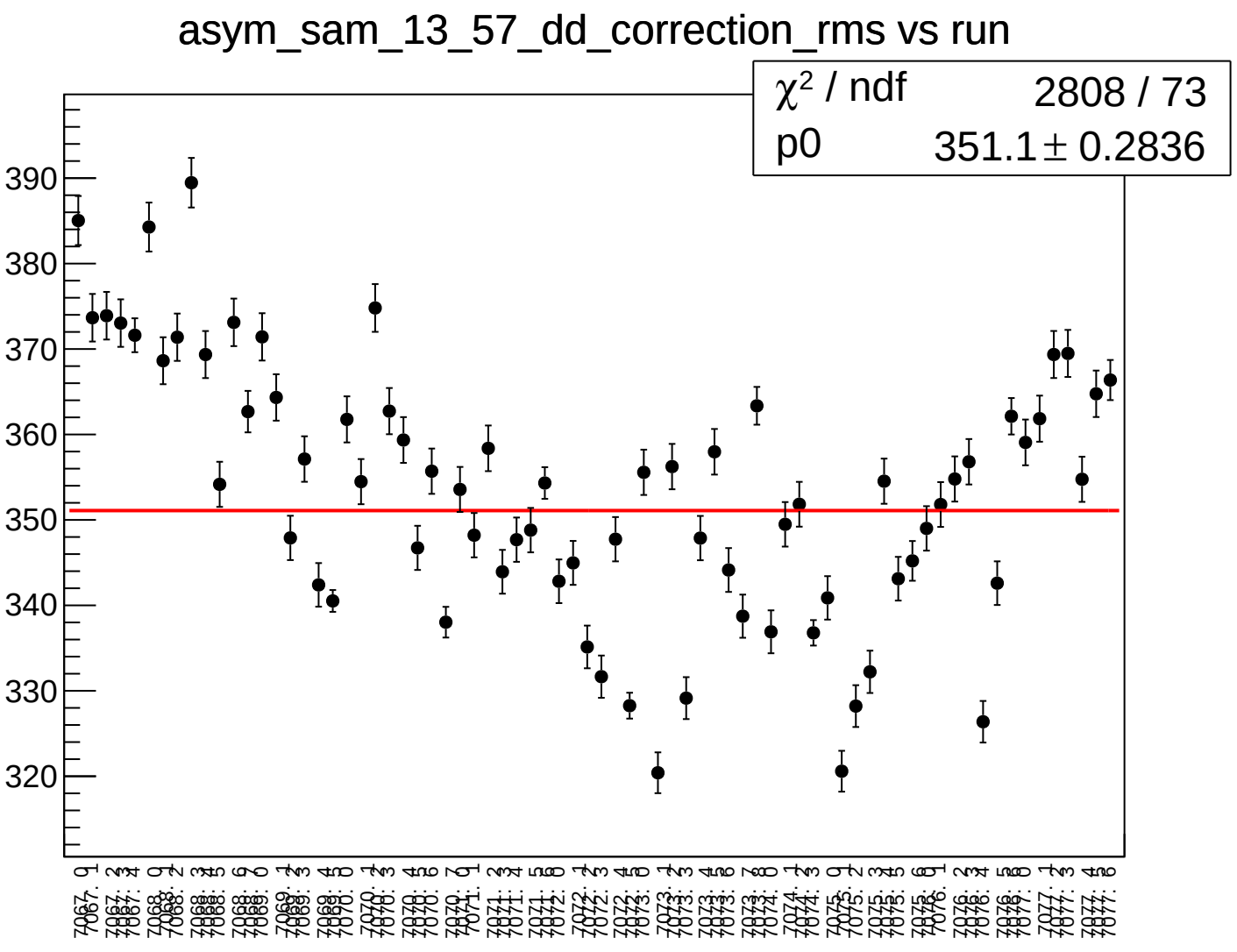

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 75 / 73
p0 26.45 ± 69.49
pull
Entries 74
Mean −63.04
Std Dev 124.8

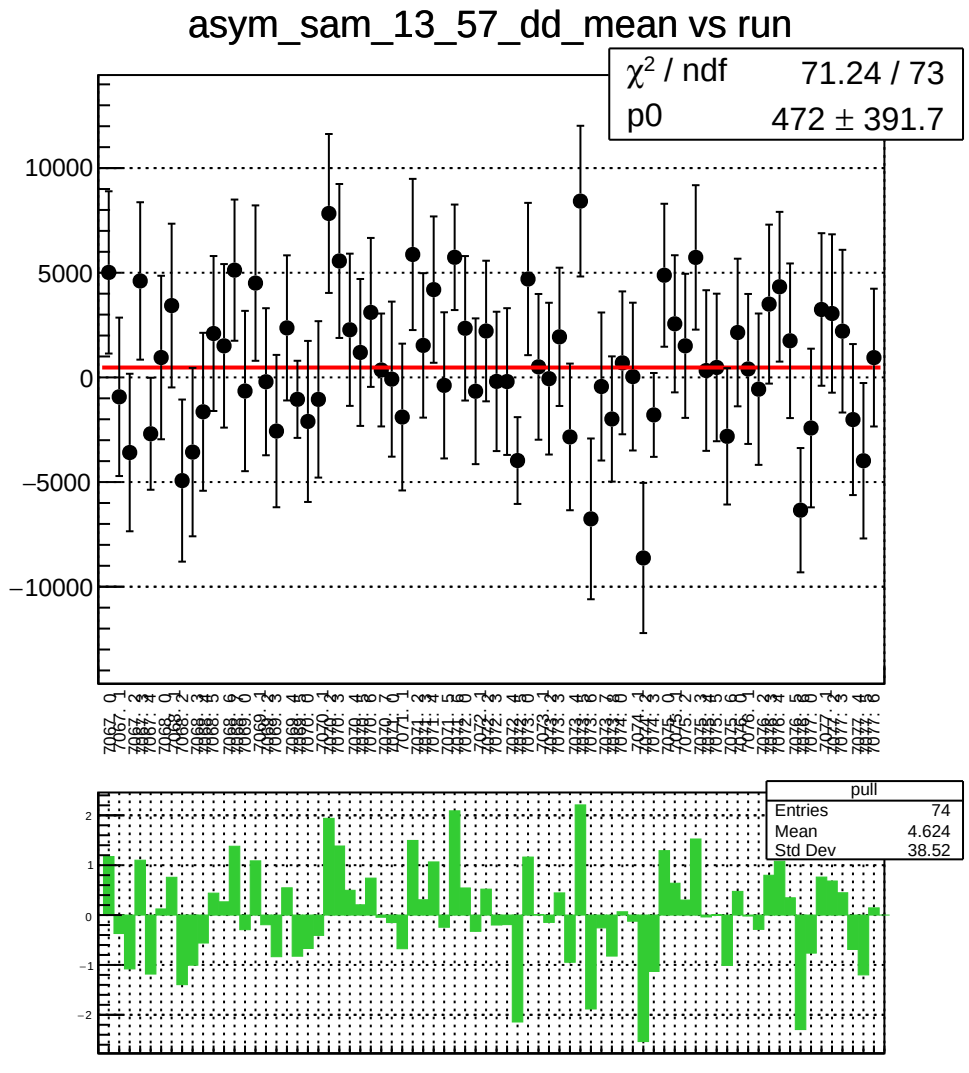

pull1D
Entries 74
Mean 0.01752
Std Dev 1.007

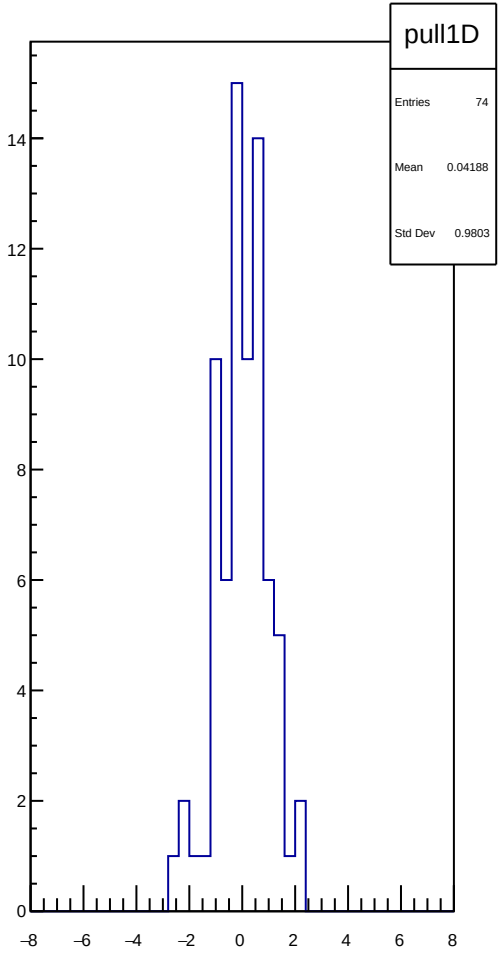

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1468 / 73
p0 60.85 ± 0.04913
68
66
64
62
60
58

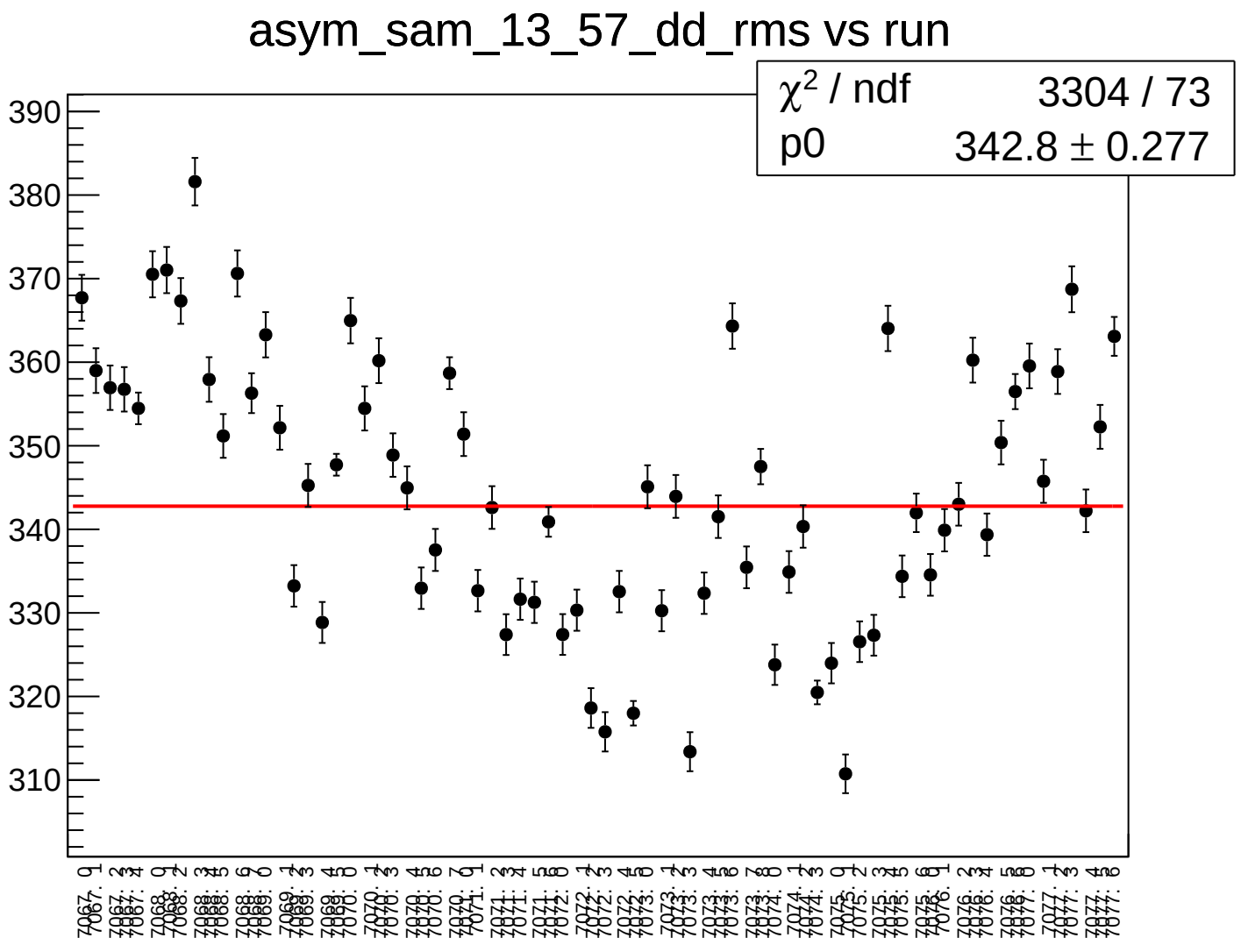

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 68.16 / 73
p0 −394.2 ± 401.1
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 13.06
Std Dev 12.33
2
1
0
−1
−2

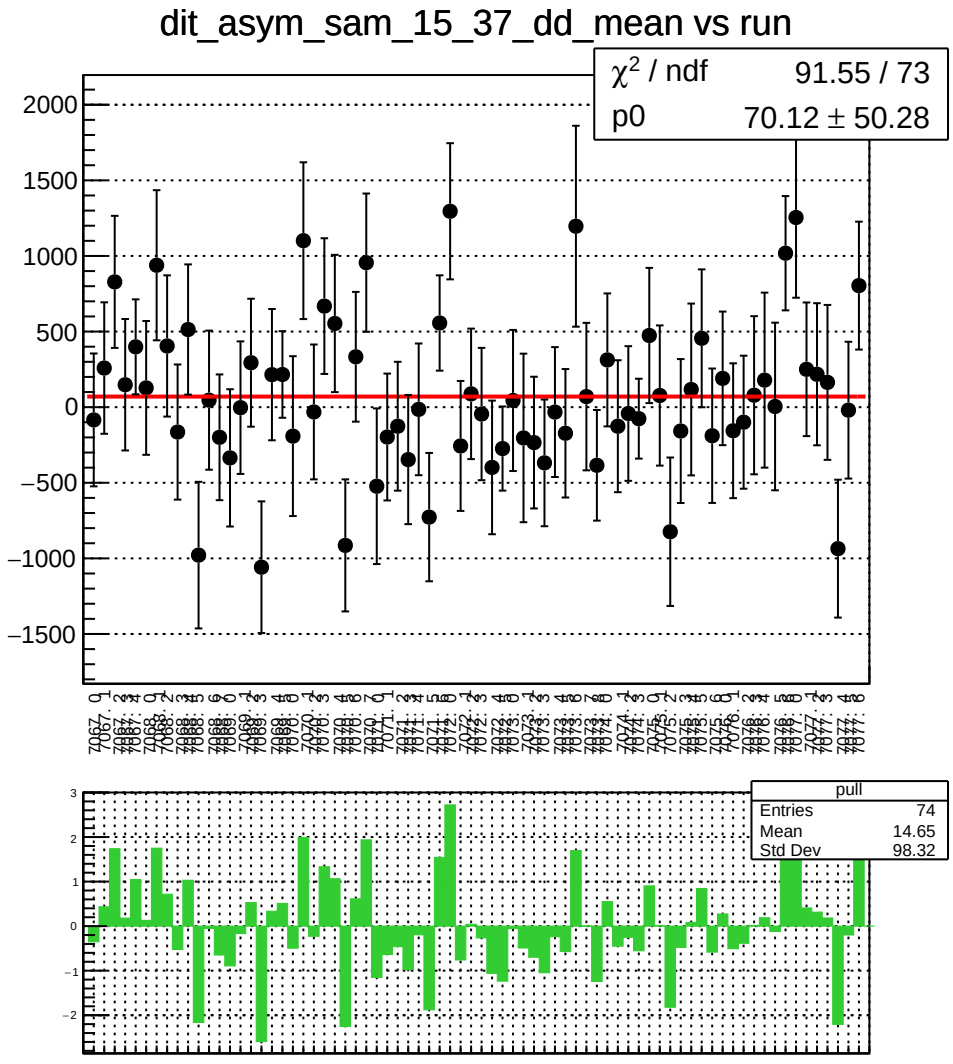

pull1D
Entries 74
Mean −0.03999
Std Dev 0.9589
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

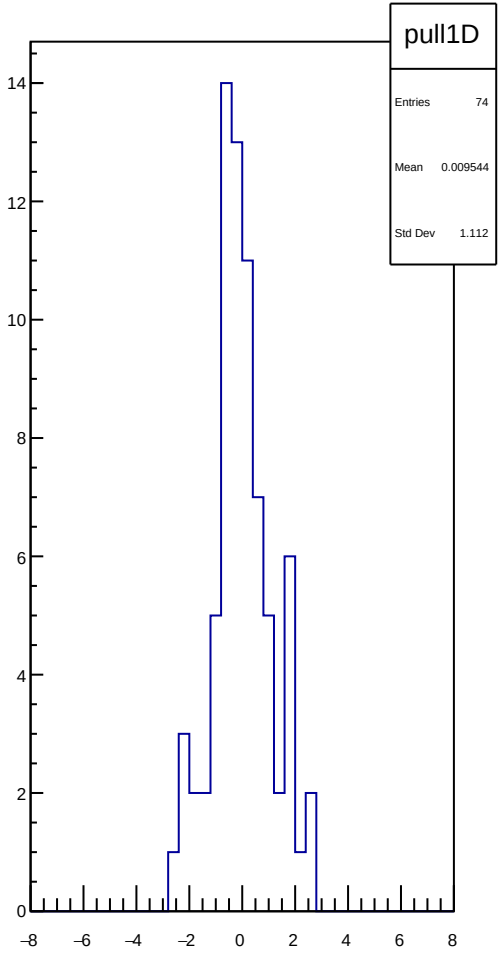

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2808 / 73
p0 351.1 ± 0.2836
390
380
370
360
350
340
330
320

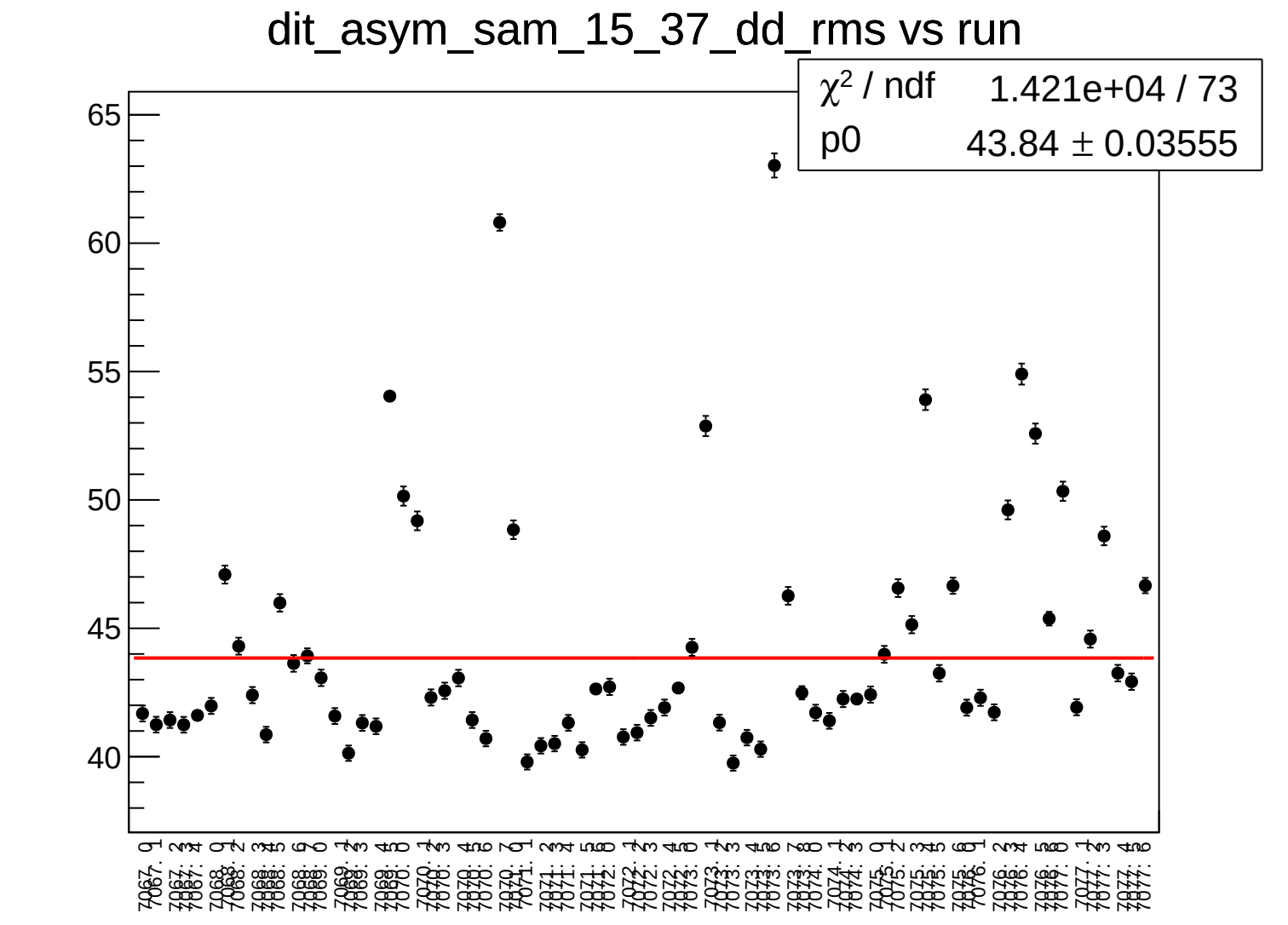

asym_sam_13_57_dd_mean vs run
χ² / ndf 71.24 / 73
p0 472 ± 391.7
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 4.624
Std Dev 38.52
2
1
0
−1
−2

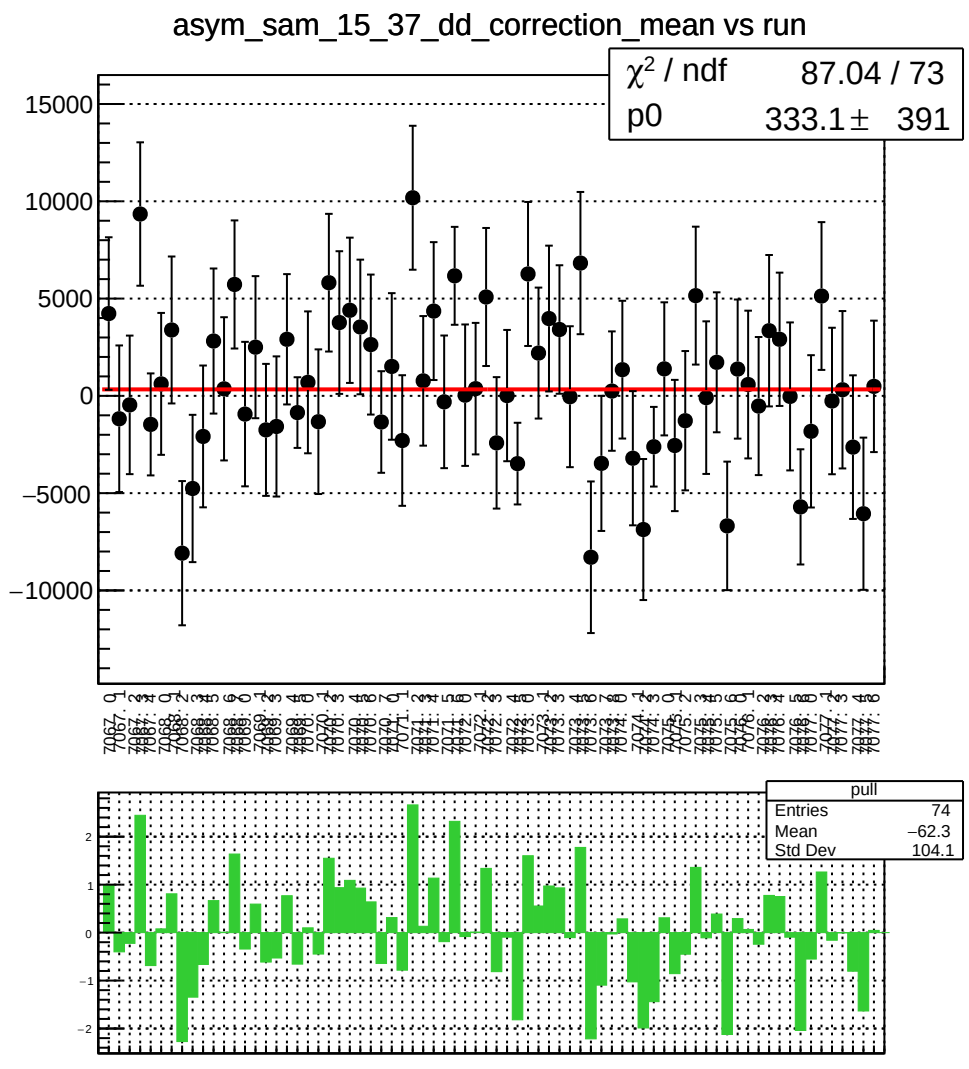

pull1D
Entries 74
Mean 0.04188
Std Dev 0.9803
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

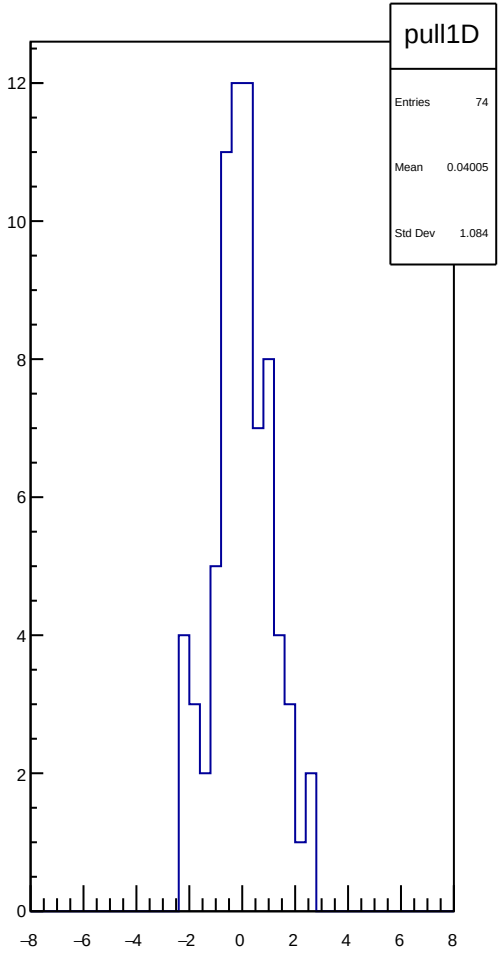

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 3304 / 73
p0 342.8 ± 0.277
390
380
370
360
350
340
330
320
310

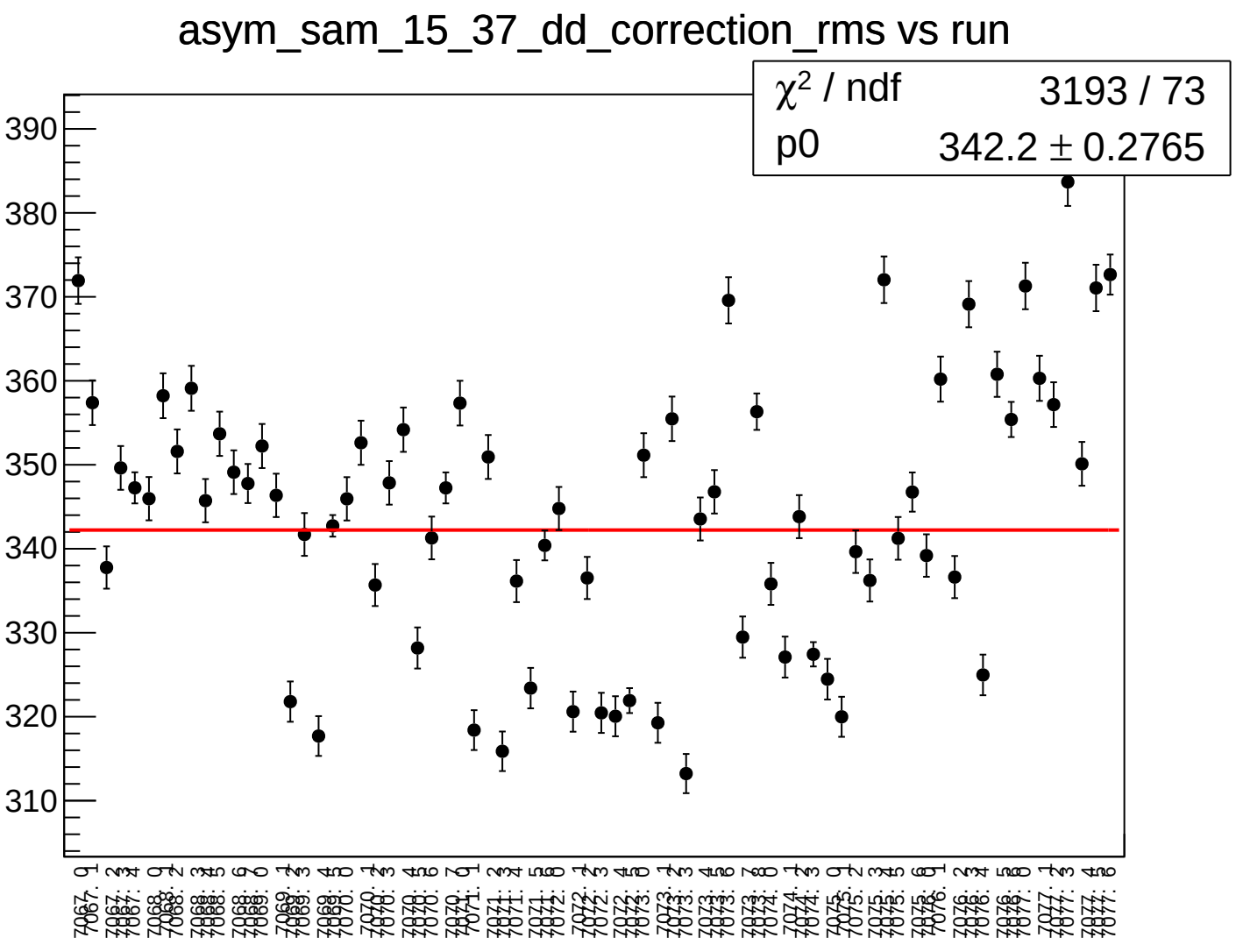

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 91.55 / 73
p0 70.12 ± 50.28
pull
Entries 74
Mean 14.65
Std Dev 98.32

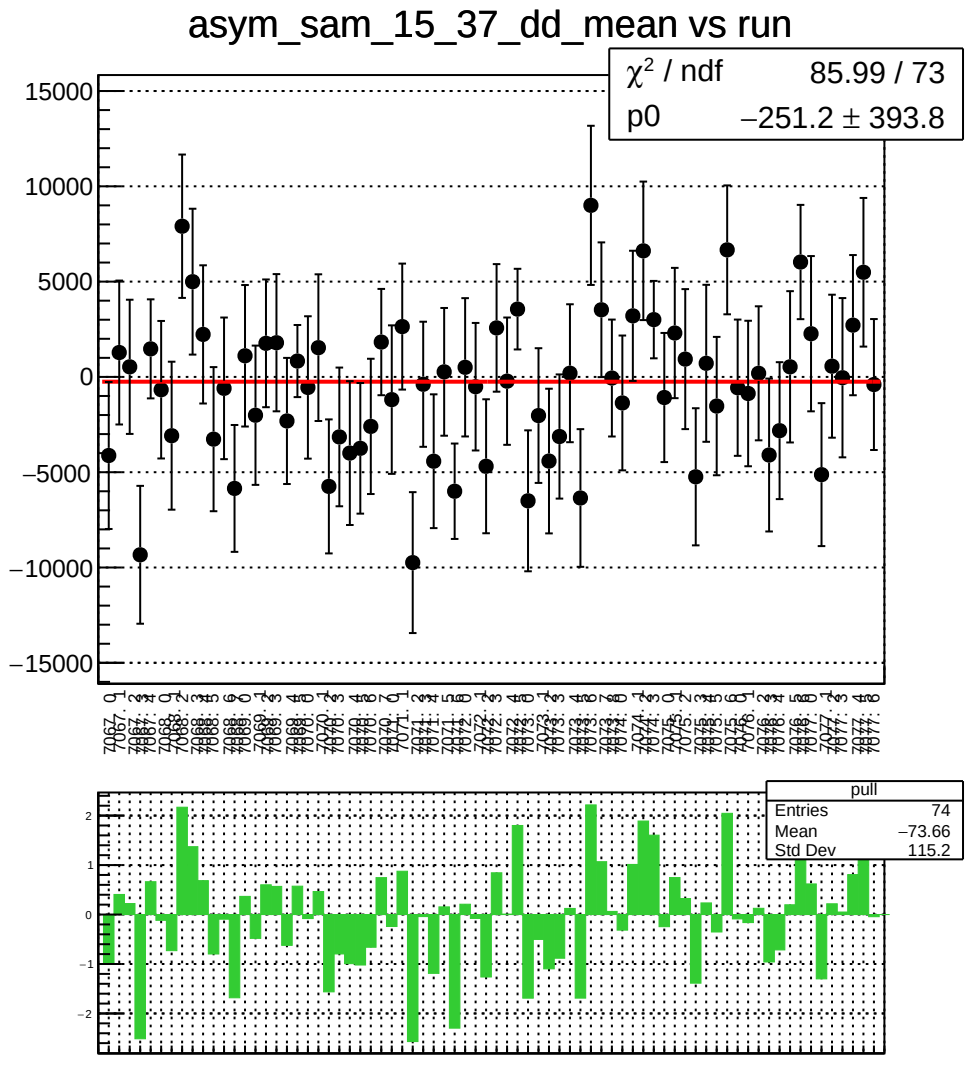

pull1D
Entries 74
Mean 0.009544
Std Dev 1.112

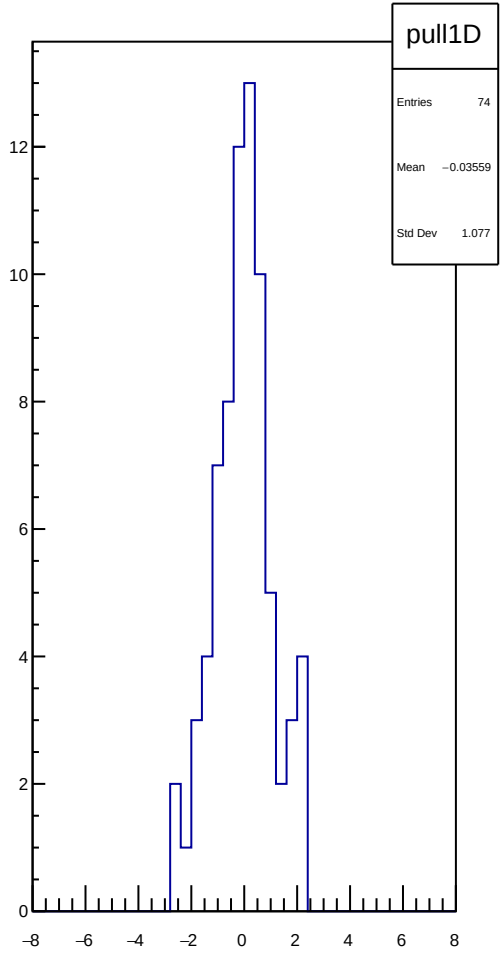

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.421e+04 / 73
p0 43.84 ± 0.03555
65
60
55
50
45
40

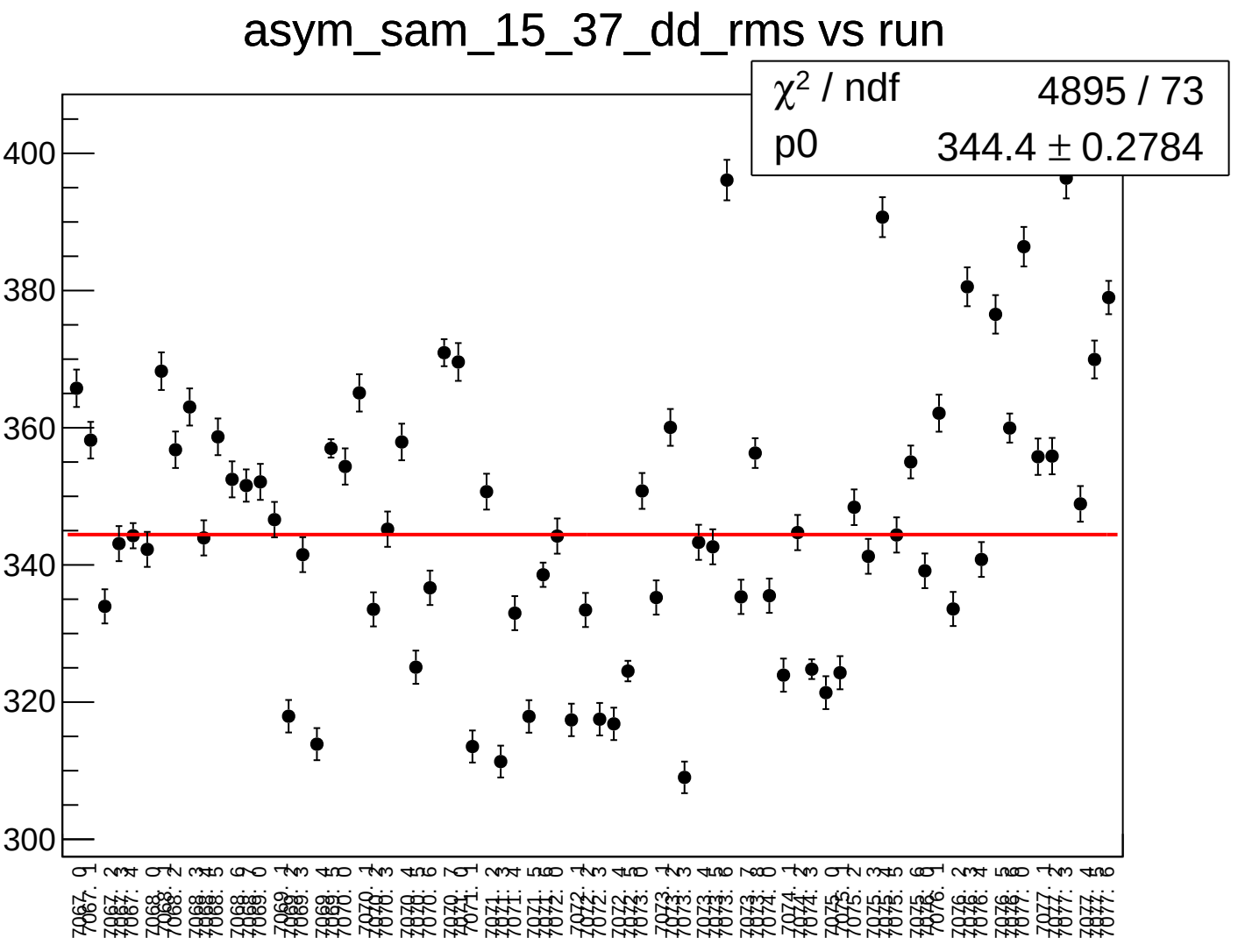

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 87.04 / 73
p0 333.1 ± 391
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −62.3
Std Dev 104.1
2
1
0
−1
−2

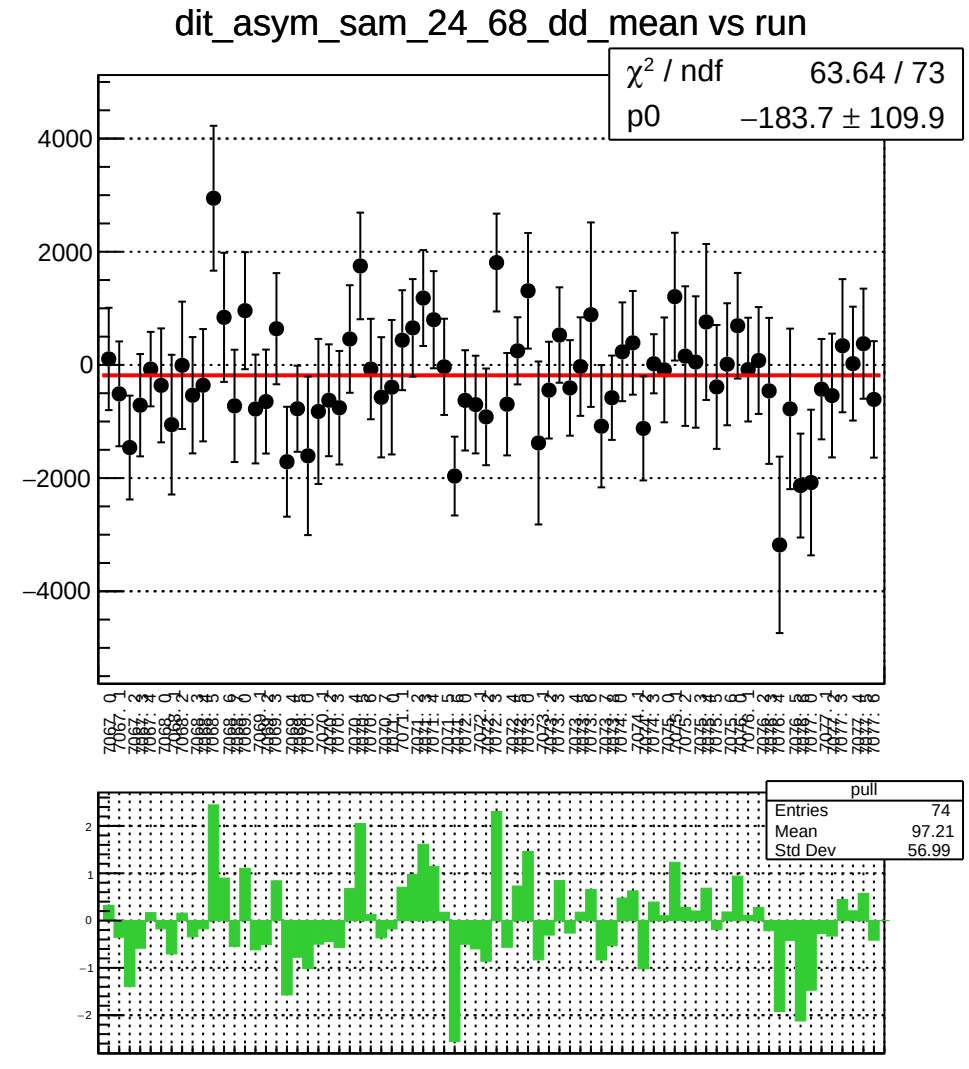

pull1D
Entries 74
Mean 0.04005
Std Dev 1.084
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

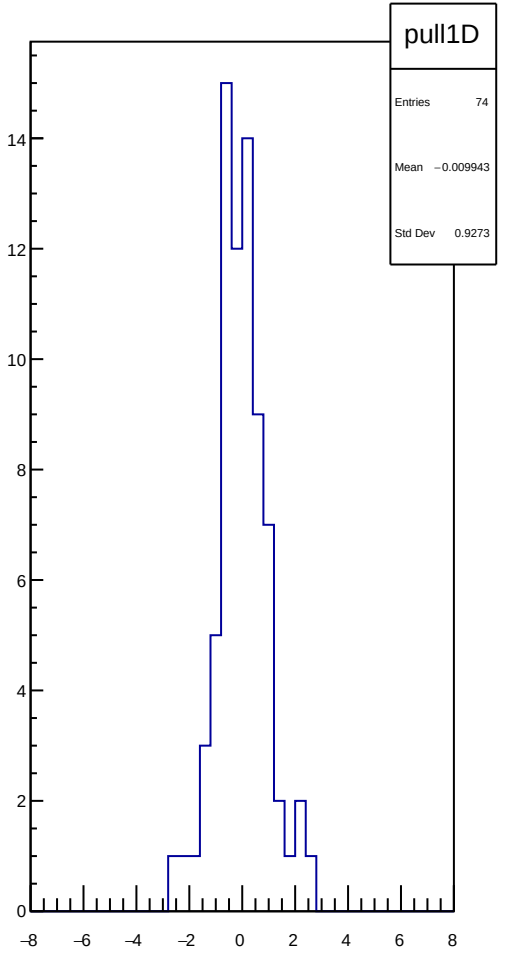

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3193 / 73
p0 342.2 ± 0.2765
390
380
370
360
350
340
330
320
310

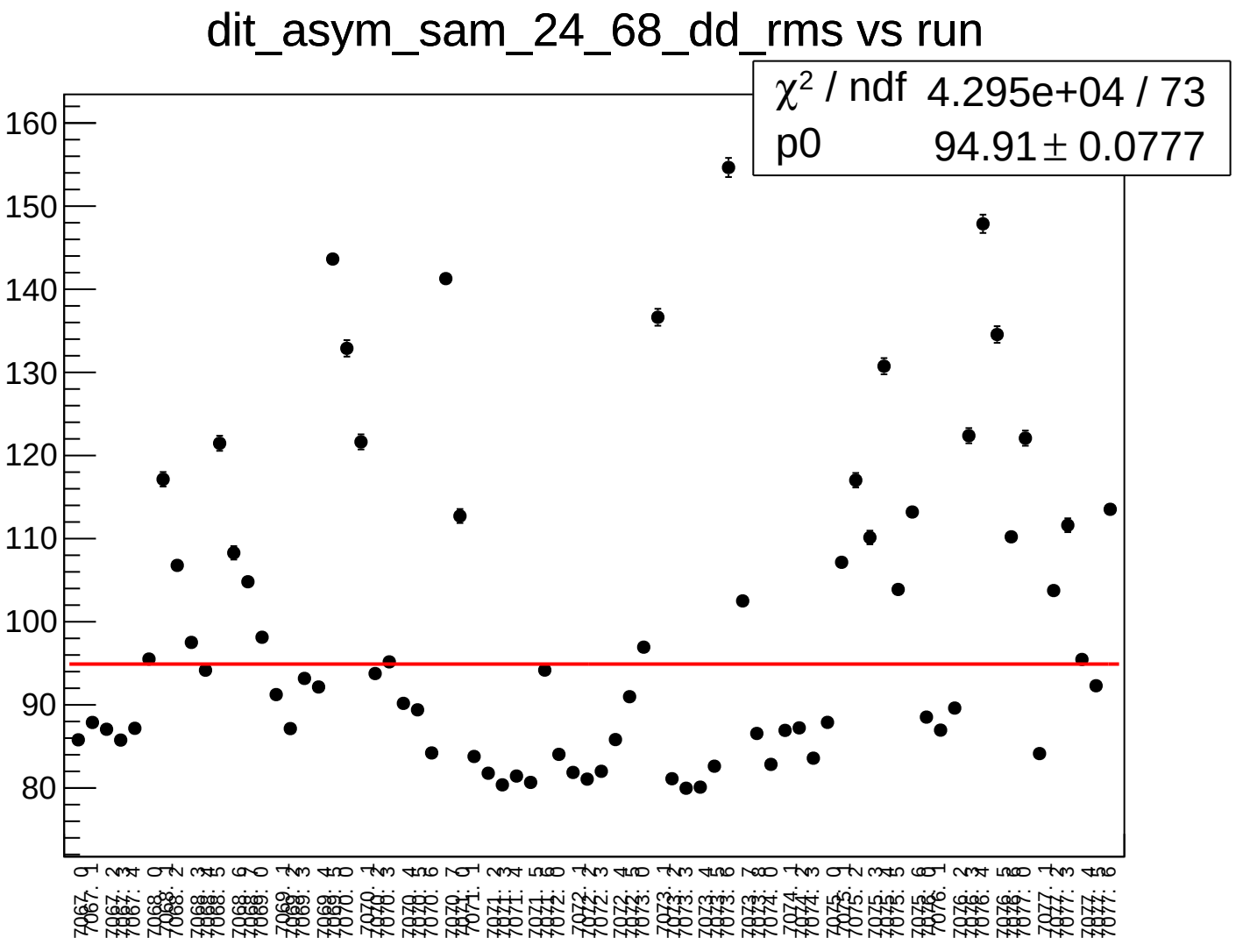

asym_sam_15_37_dd_mean vs run
χ² / ndf 85.99 / 73
p0 −251.2 ± 393.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −73.66
Std Dev 115.2
2
1
0
−1
−2

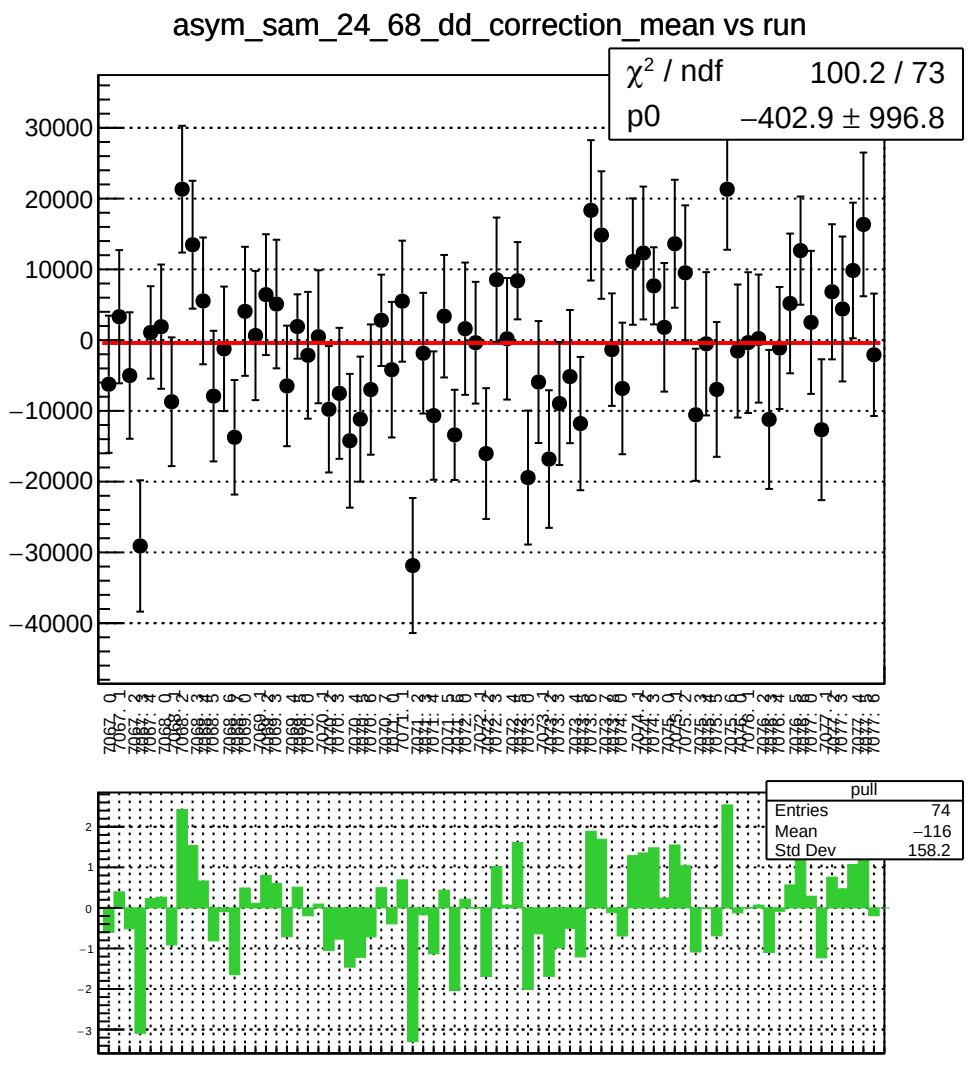

pull1D
Entries 74
Mean −0.03559
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

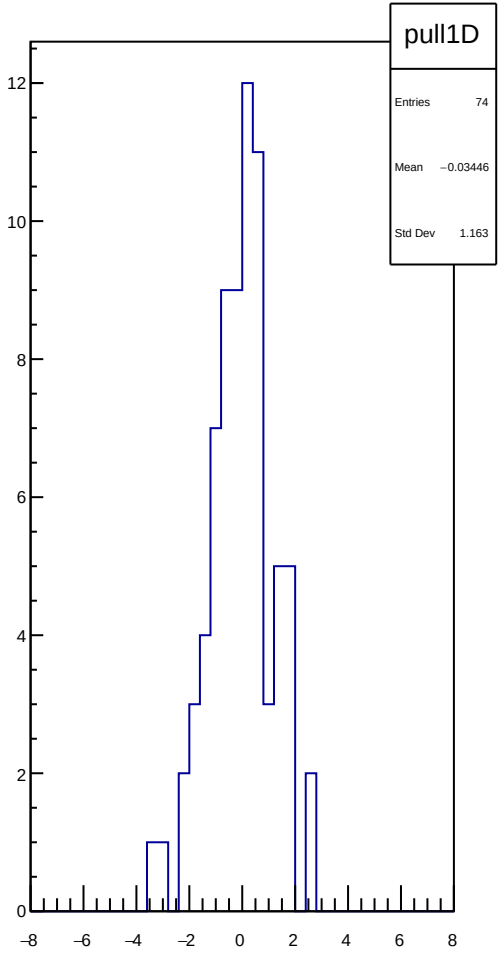

asym_sam_15_37_dd_rms vs run
χ² / ndf 4895 / 73
p0 344.4 ± 0.2784
400
380
360
340
320
300

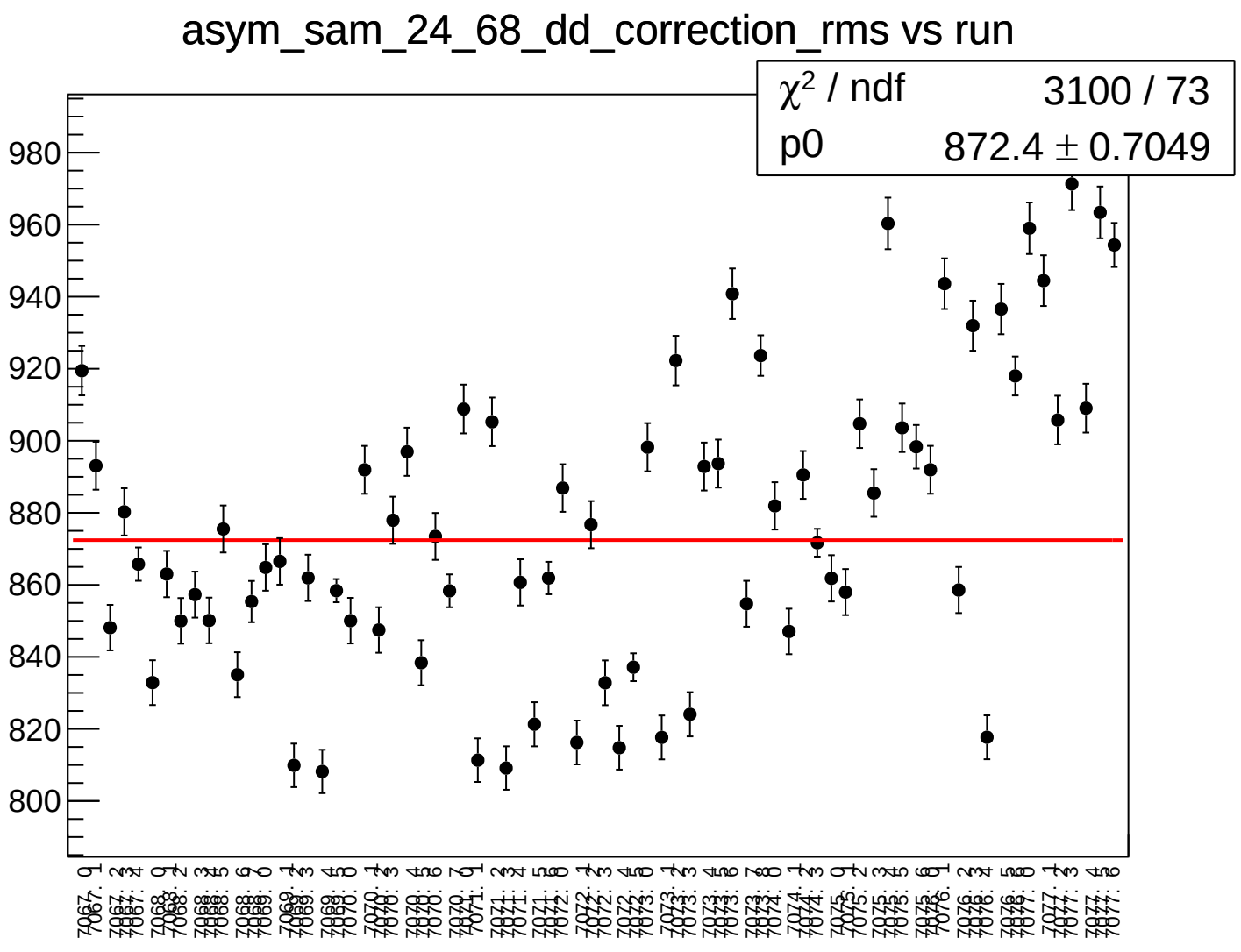

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 63.64 / 73
p0 −183.7 ± 109.9
4000
2000
0
−2000
−4000
pull
Entries 74
Mean 97.21
Std Dev 56.99
2
1
0
−1
−2

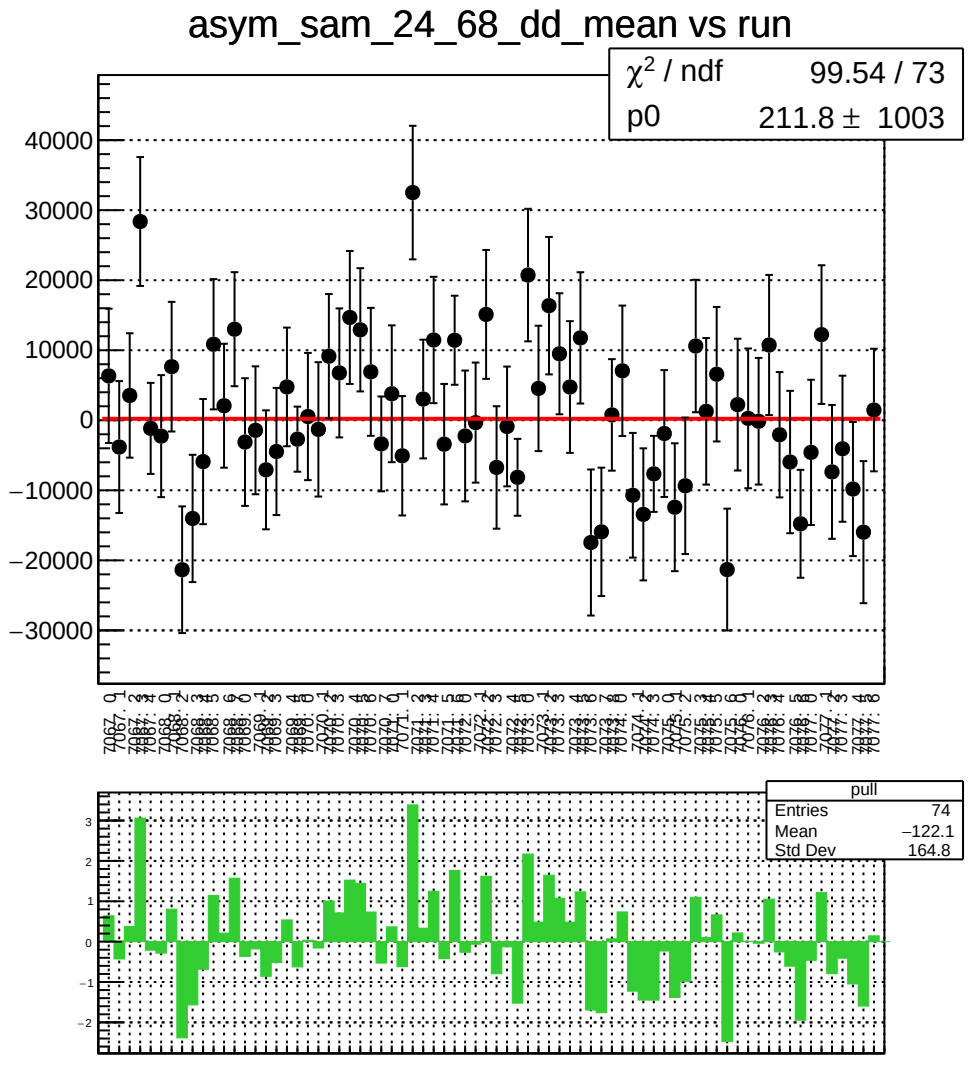

pull1D
Entries 74
Mean −0.009943
Std Dev 0.9273
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

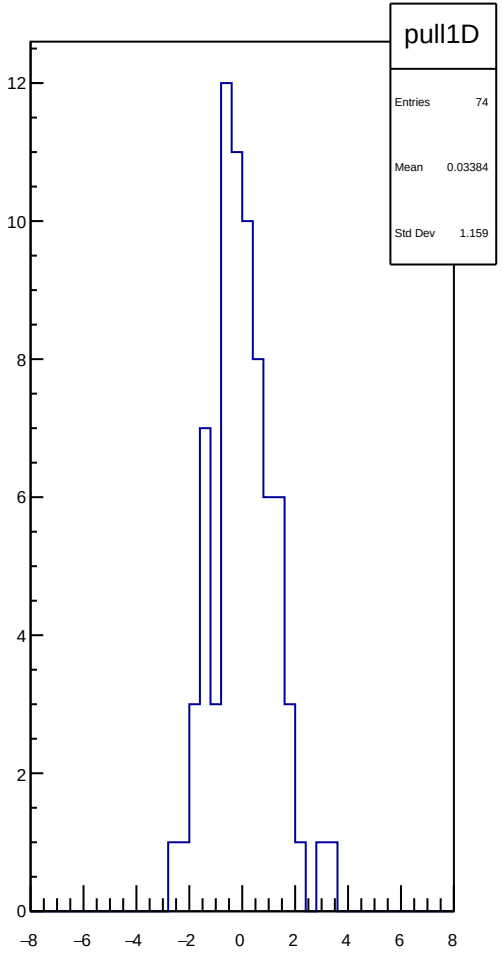

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4.295e+04 / 73
p0 94.91 ± 0.0777
160
150
140
130
120
110
100
90
80

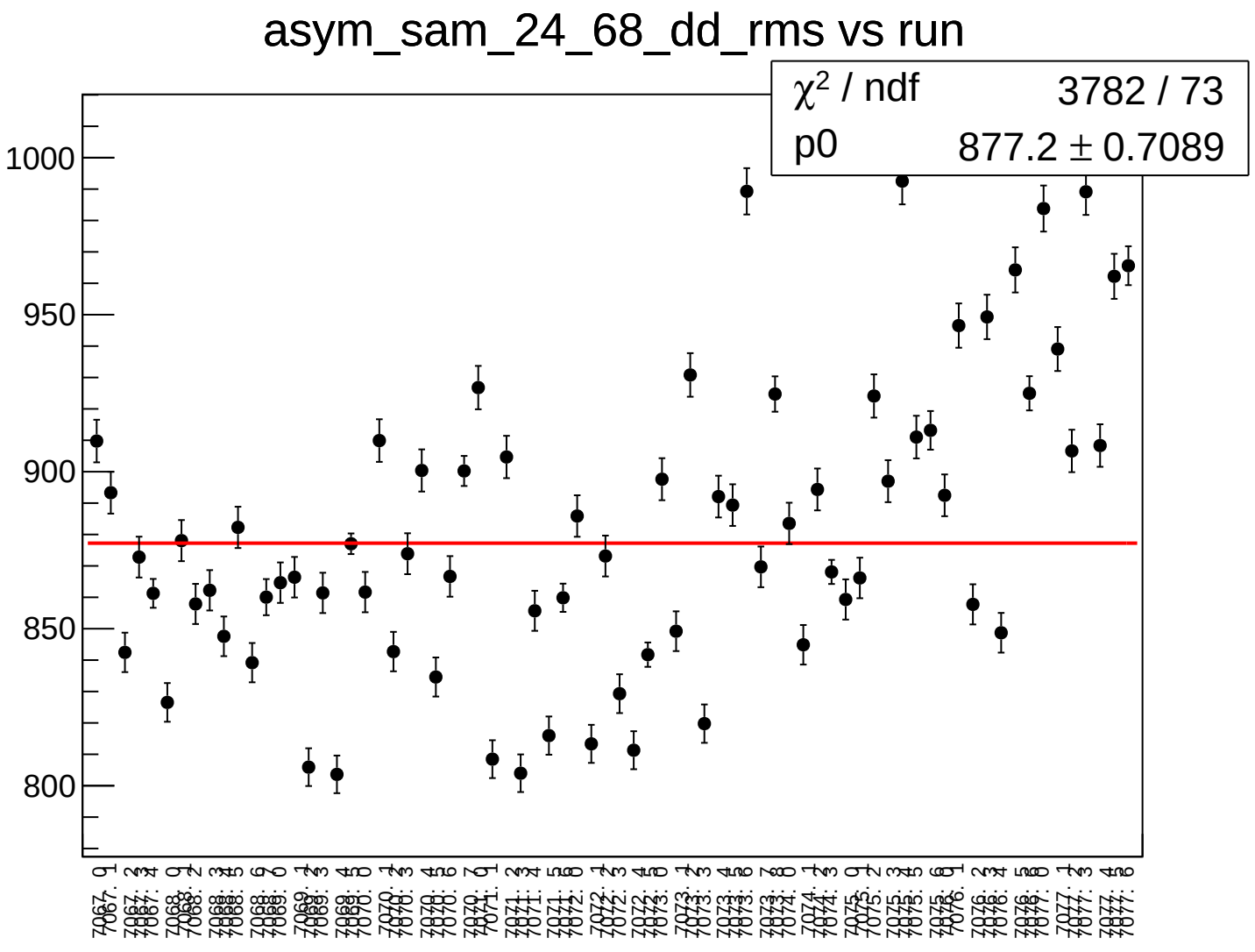

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 100.2 / 73
p0 −402.9 ± 996.8
pull
Entries 74
Mean −116
Std Dev 158.2

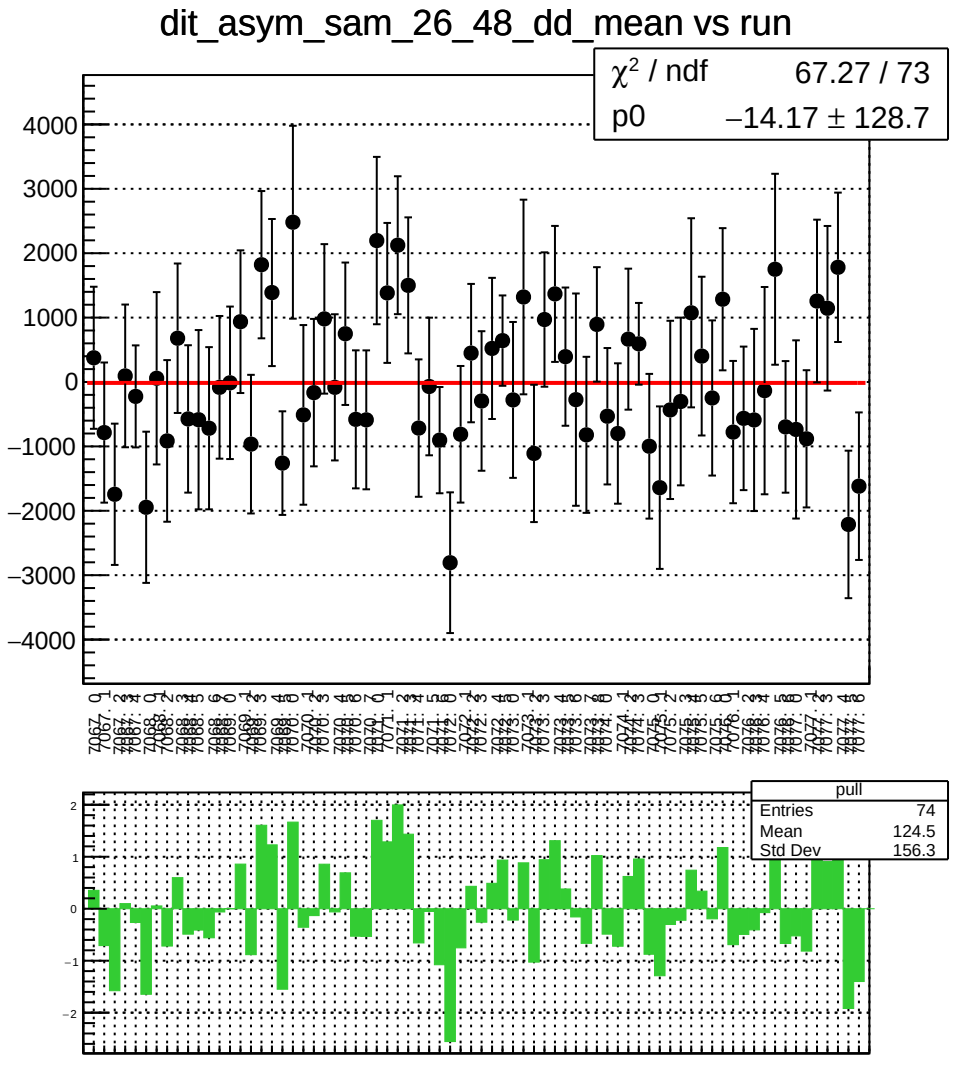

pull1D
Entries 74
Mean −0.03446
Std Dev 1.163

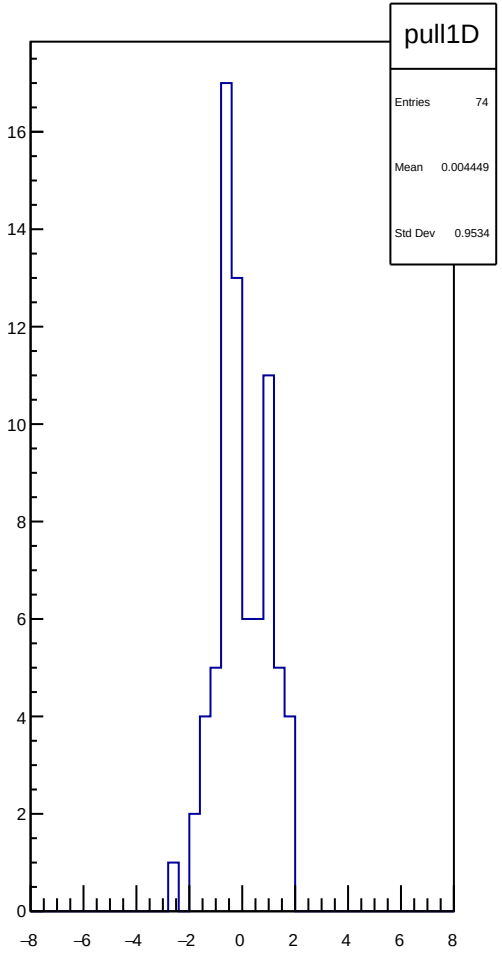

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3100 / 73
p0 872.4 ± 0.7049
980
960
940
920
900
880
860
840
820
800

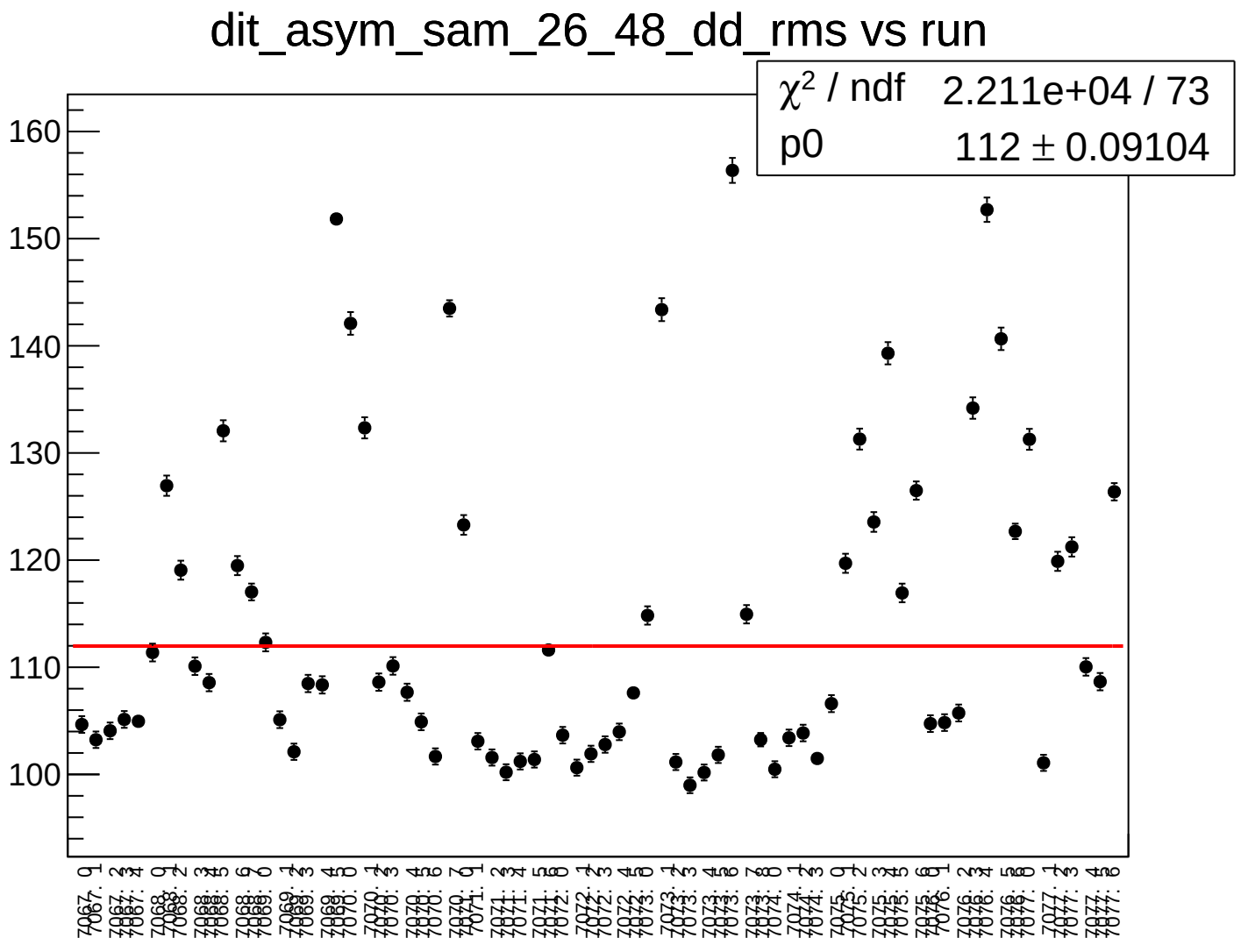

asym_sam_24_68_dd_mean vs run
χ² / ndf 99.54 / 73
p0 211.8 ± 1003
pull
Entries 74
Mean −122.1
Std Dev 164.8

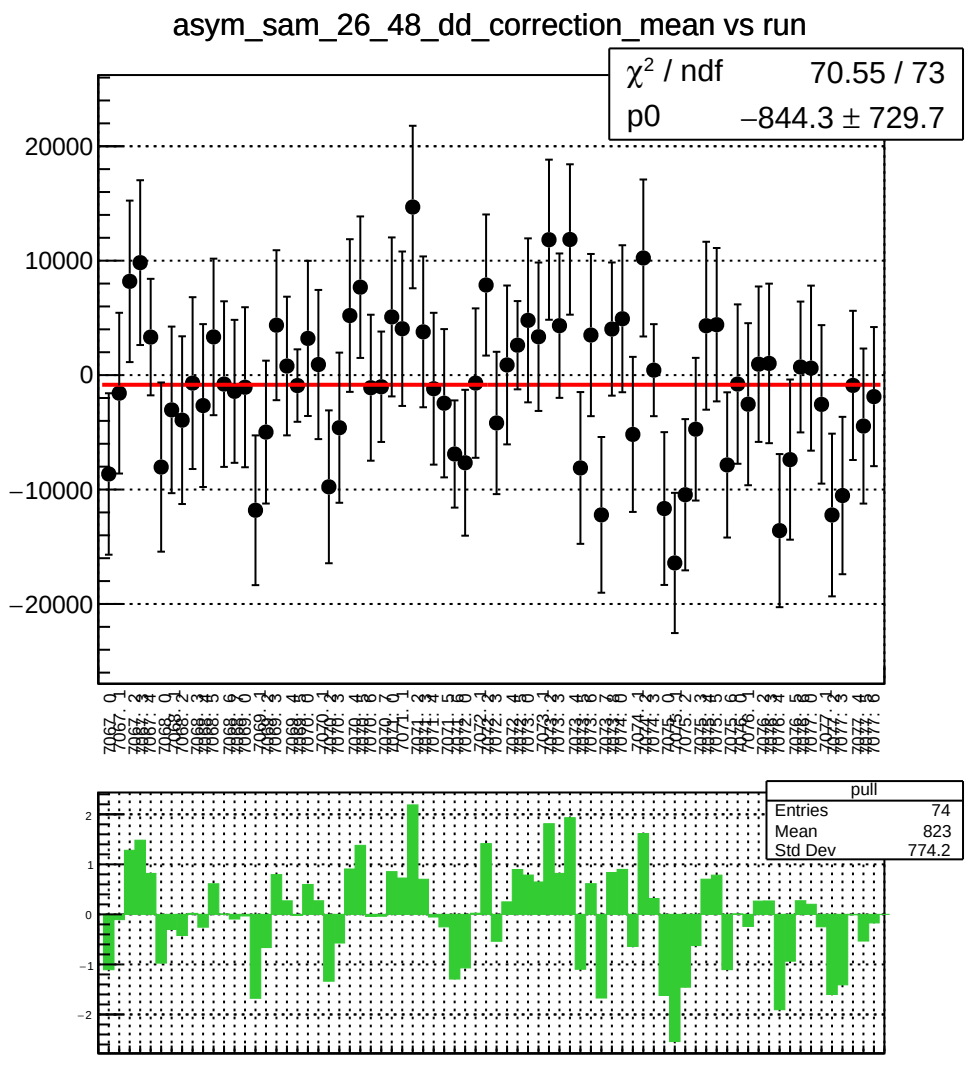

pull1D
Entries 74
Mean 0.03384
Std Dev 1.159

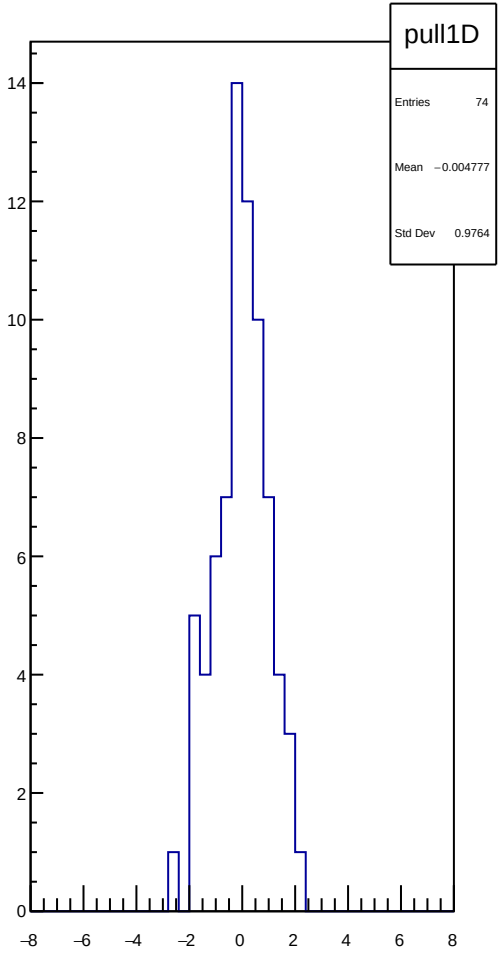

asym_sam_24_68_dd_rms vs run
χ² / ndf 3782 / 73
p0 877.2 ± 0.7089
1000
950
900
850
800

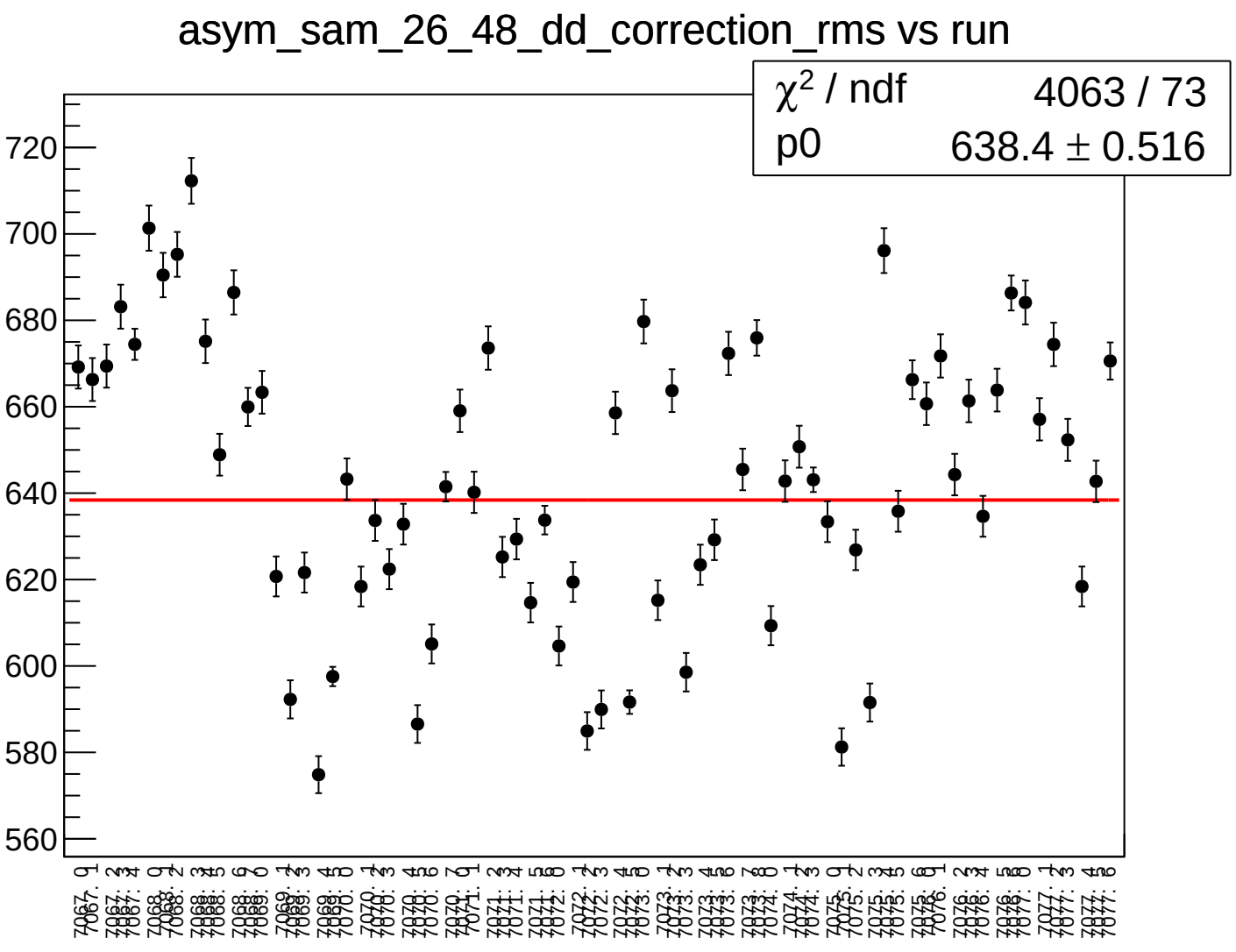

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 67.27 / 73
p0 −14.17 ± 128.7
pull
Entries 74
Mean 124.5
Std Dev 156.3

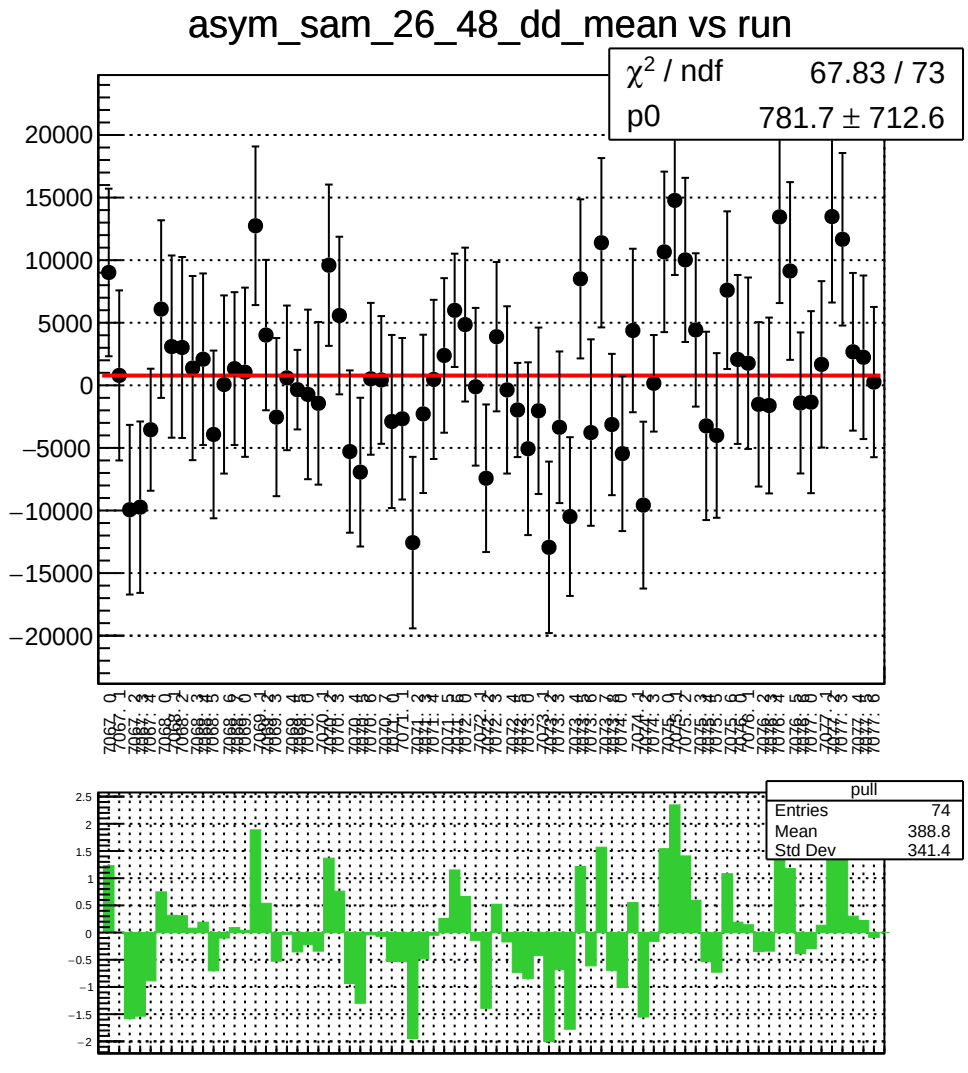

pull1D
Entries 74
Mean 0.004449
Std Dev 0.9534

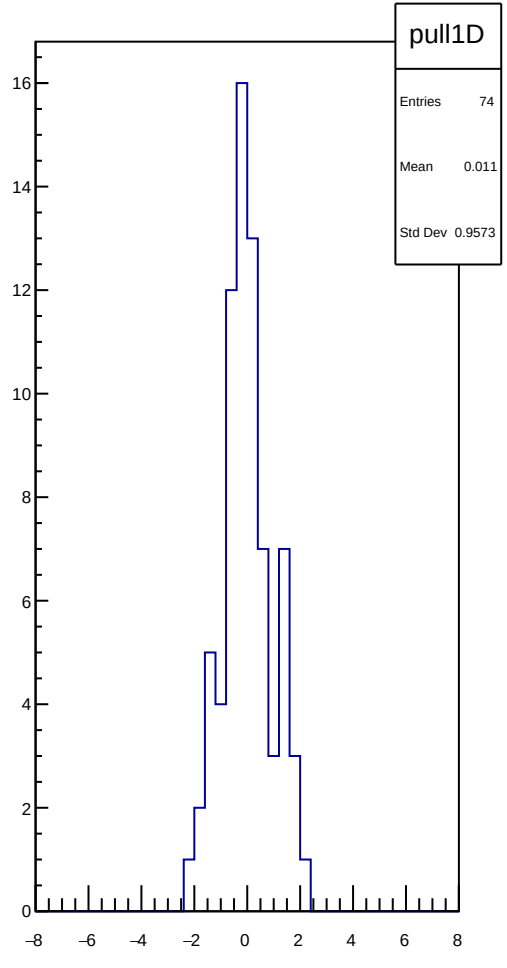

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.211e+04 / 73
p0 112 ± 0.09104
160
150
140
130
120
110
100

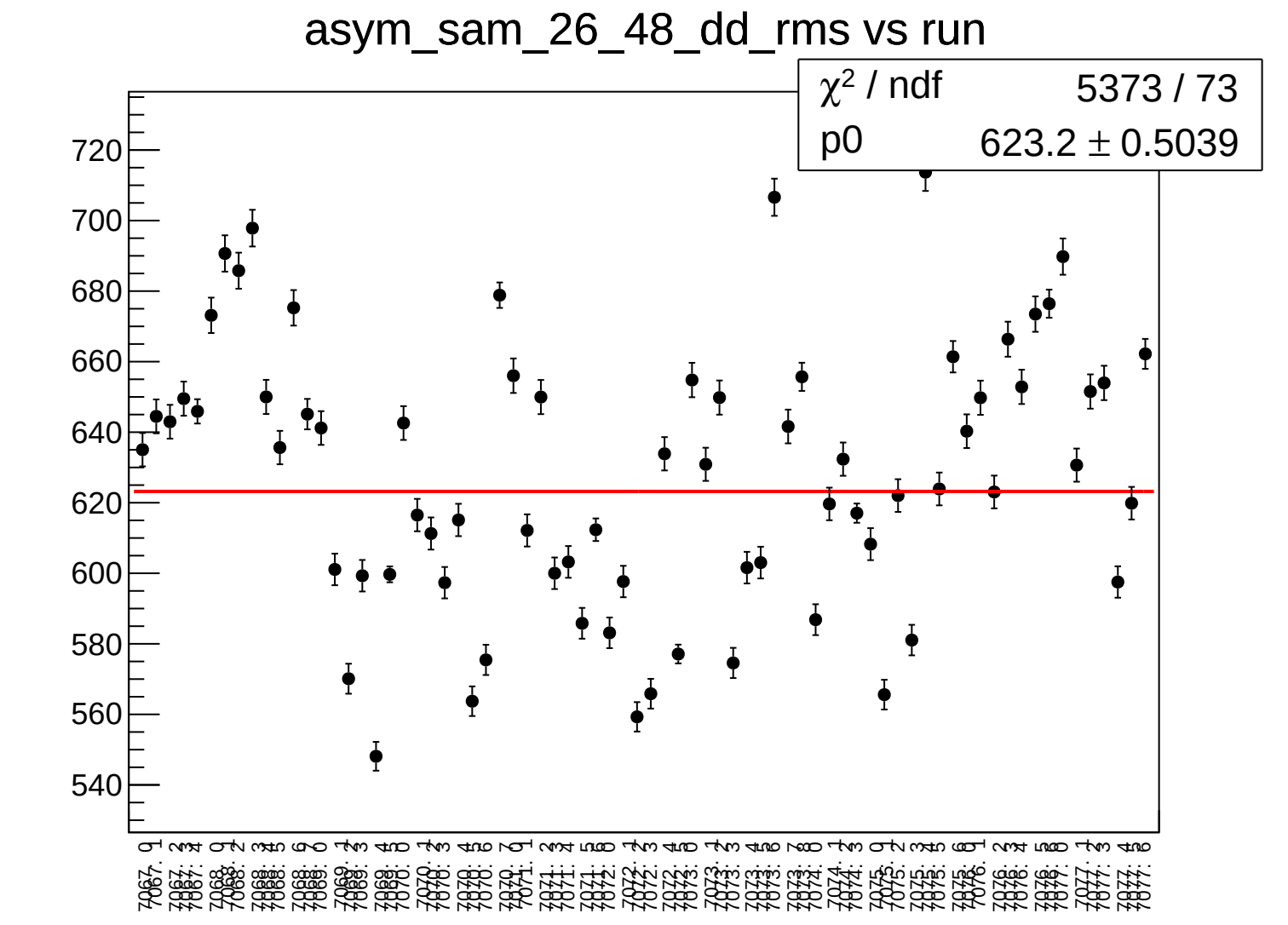

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 70.55 / 73
p0 −844.3 ± 729.7
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 823
Std Dev 774.2
2
1
0
−1
−2

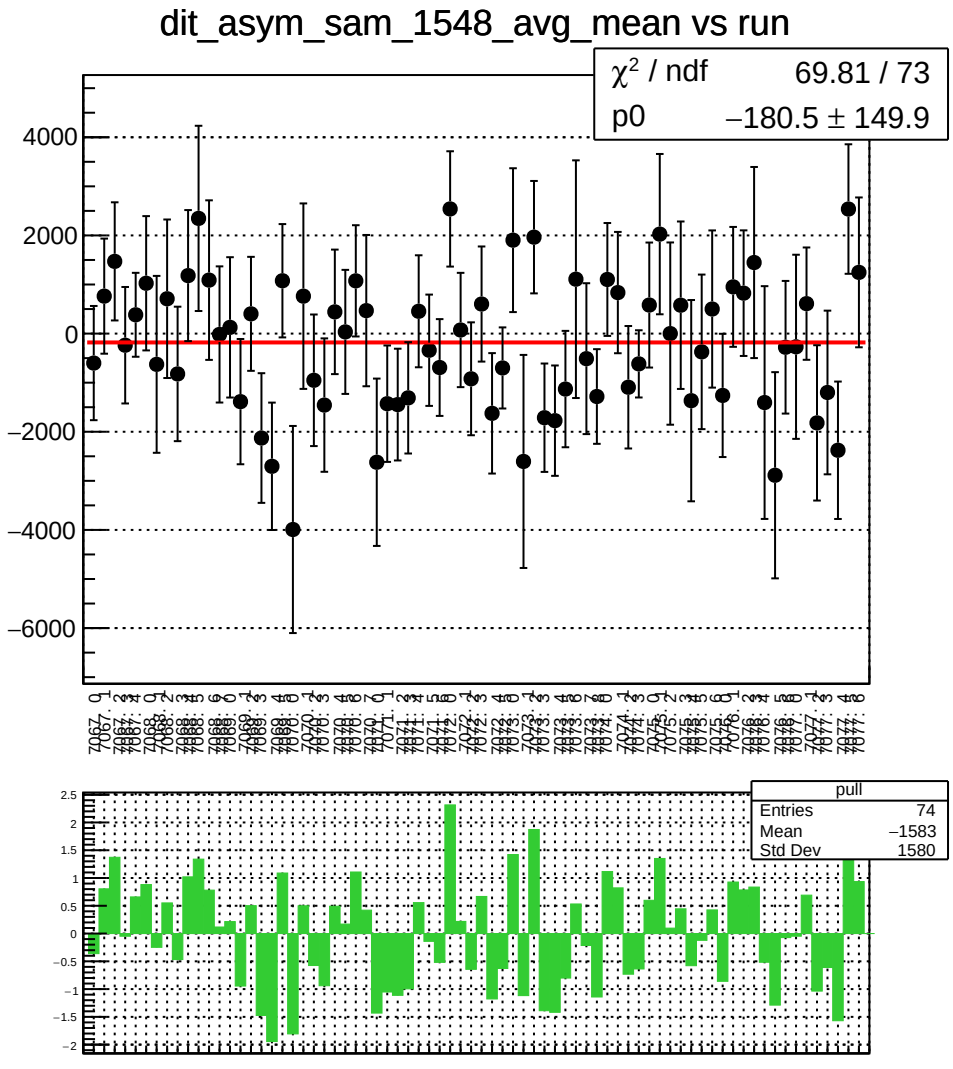

pull1D
Entries 74
Mean −0.004777
Std Dev 0.9764
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

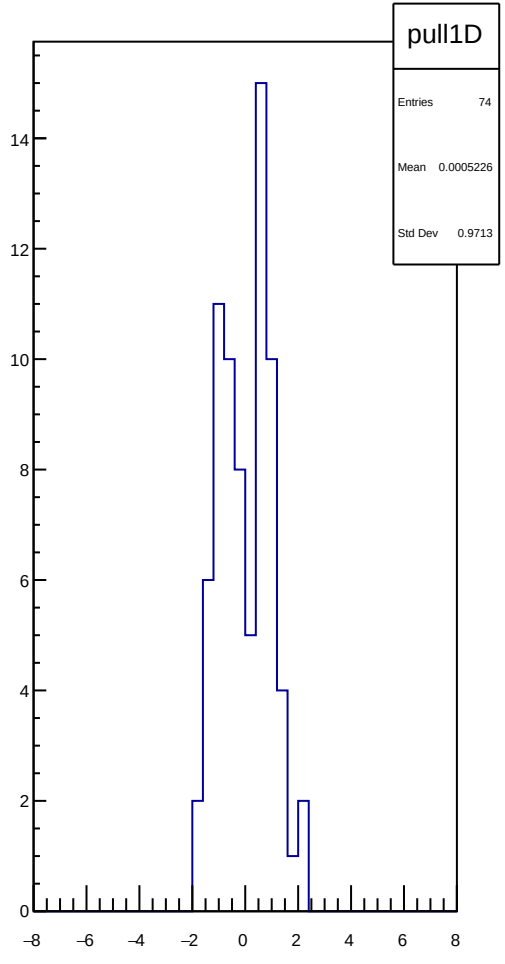

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 4063 / 73
p0 638.4 ± 0.516
720
700
680
660
640
620
600
580
560

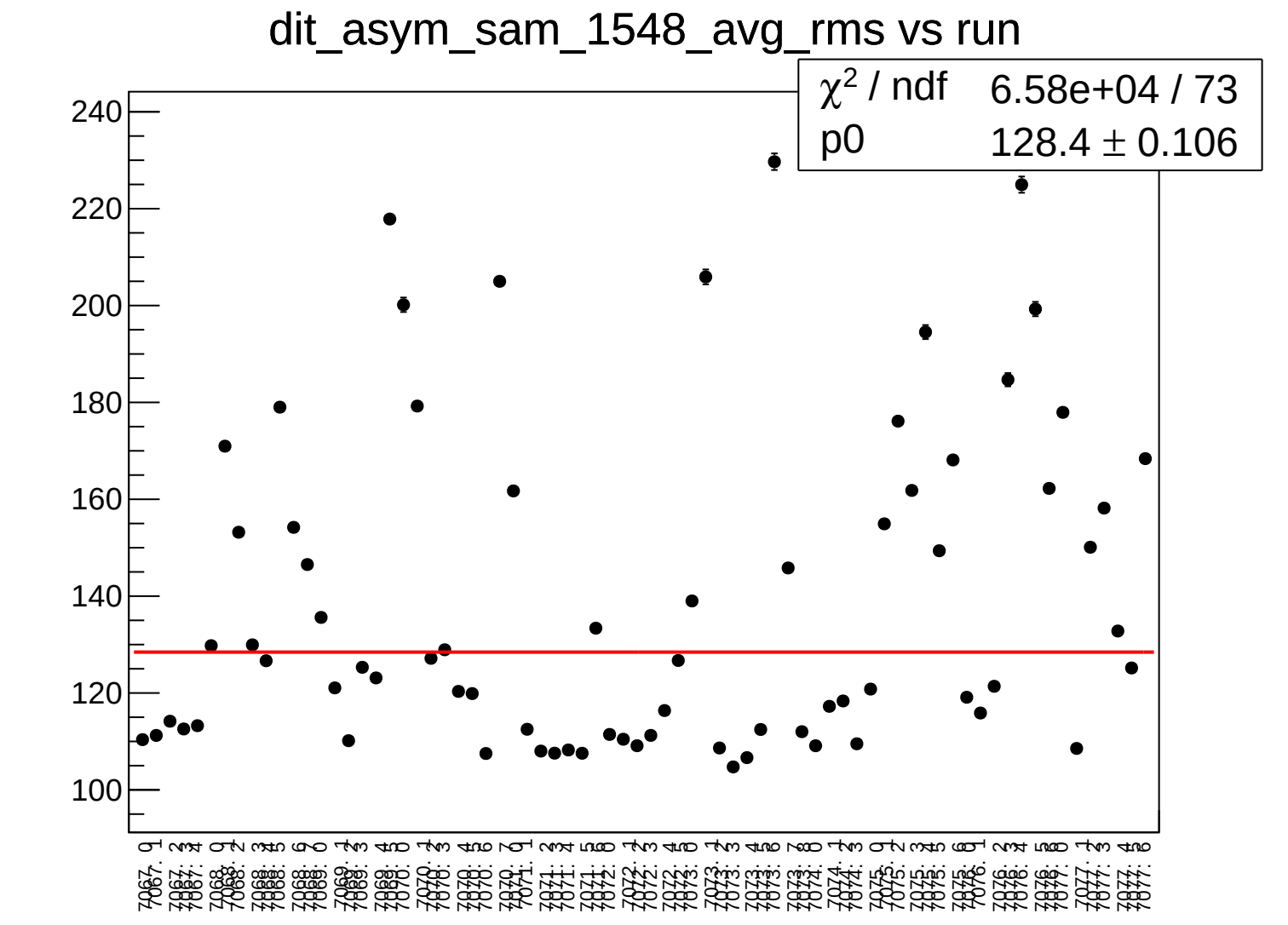

asym_sam_26_48_dd_mean vs run
χ² / ndf 67.83 / 73
p0 781.7 ± 712.6
pull
Entries 74
Mean 388.8
Std Dev 341.4

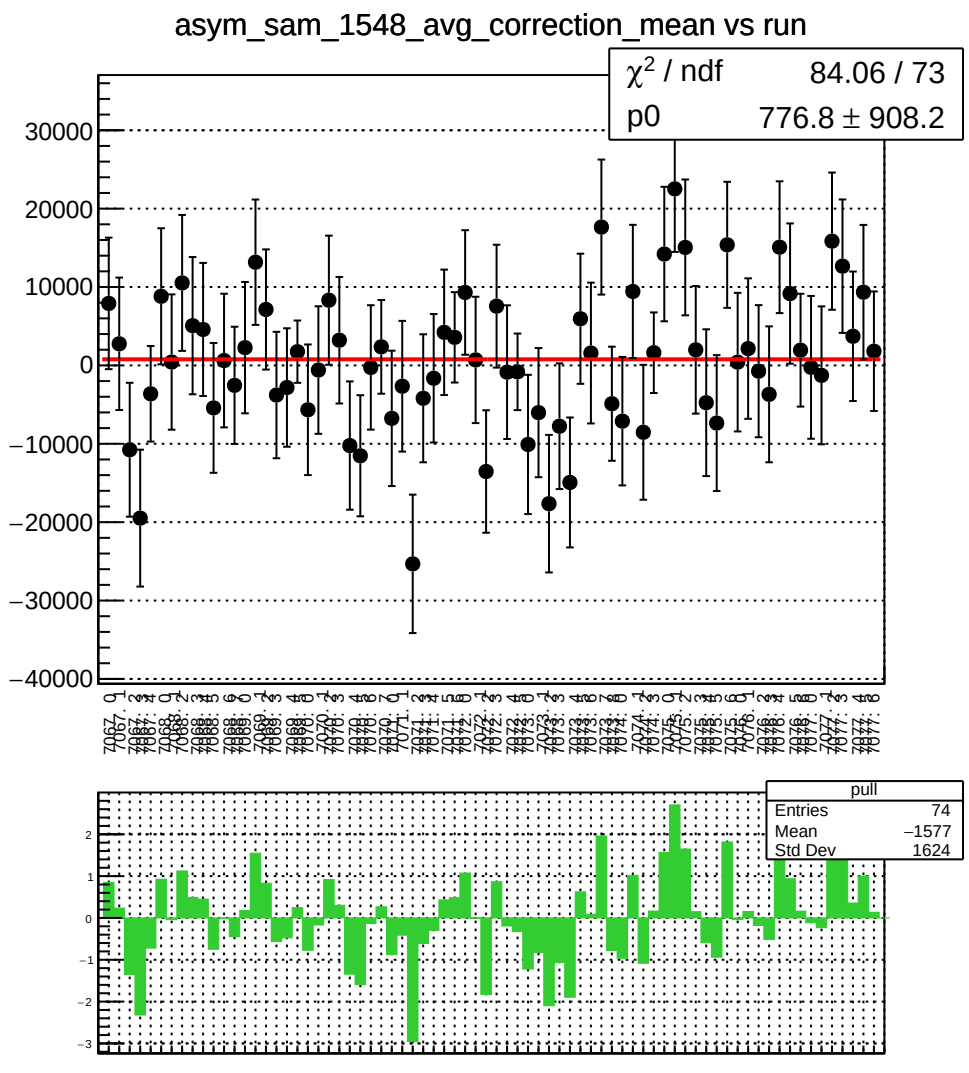

pull1D
Entries 74
Mean 0.011
Std Dev 0.9573

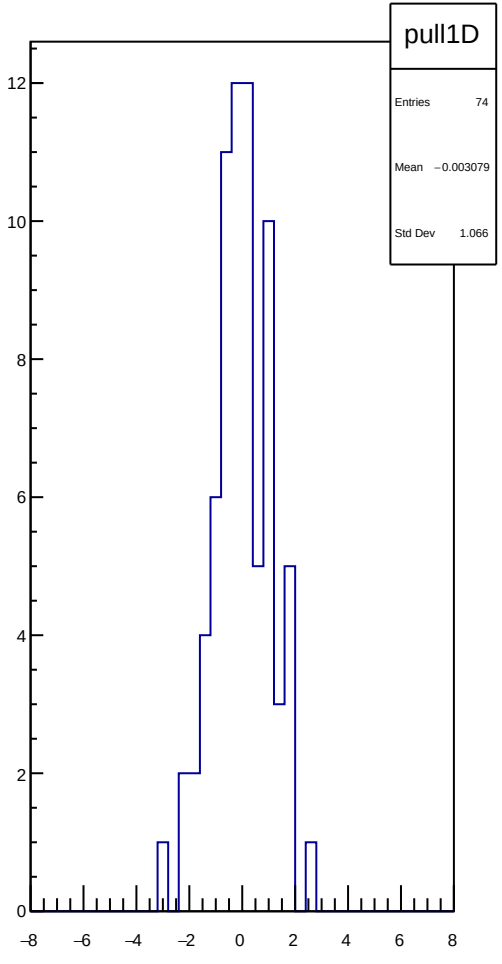

asym_sam_26_48_dd_rms vs run
χ² / ndf 5373 / 73
p0 623.2 ± 0.5039
720
700
680
660
640
620
600
580
560
540

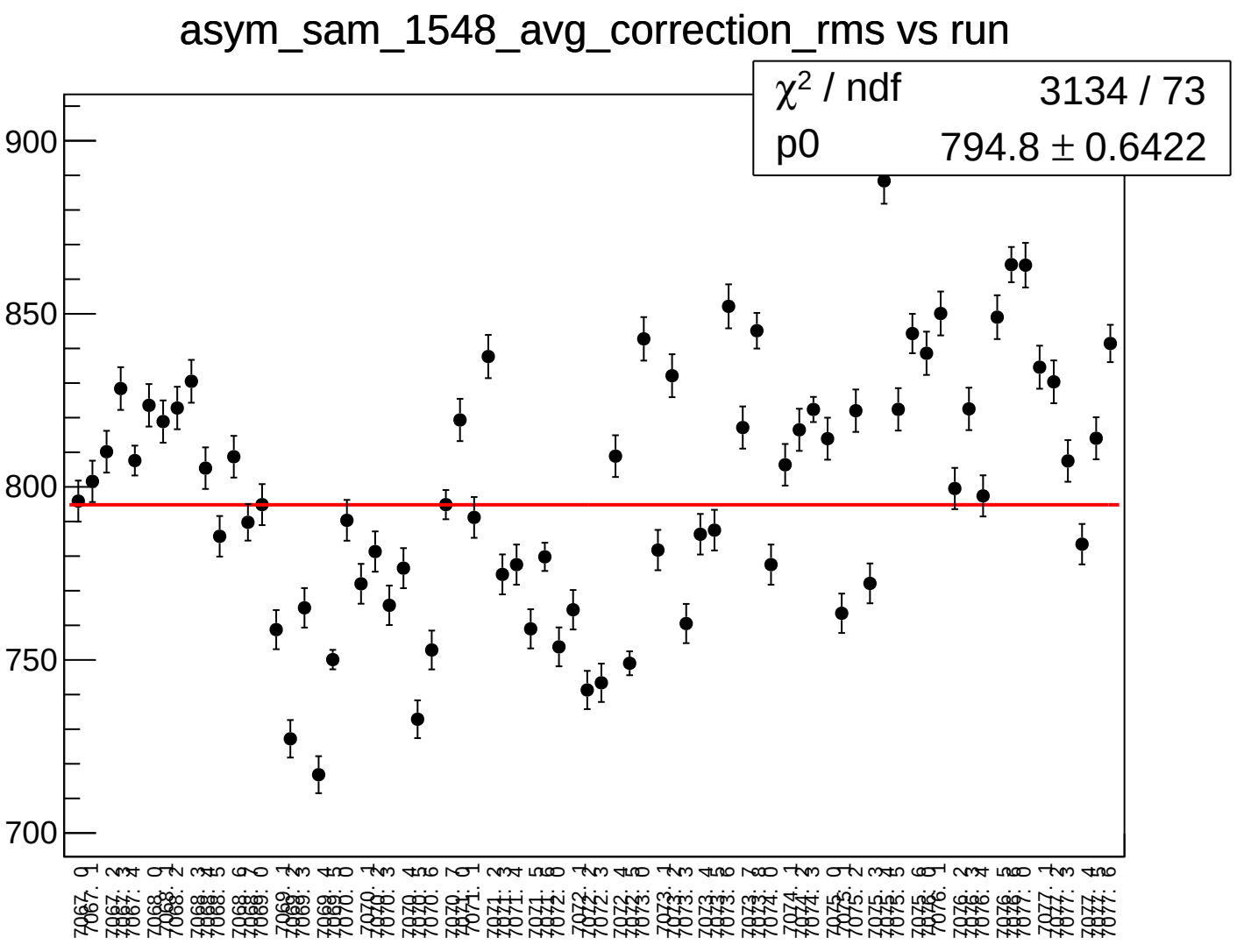

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 69.81 / 73
p0 −180.5 ± 149.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean −1583
Std Dev 1580
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

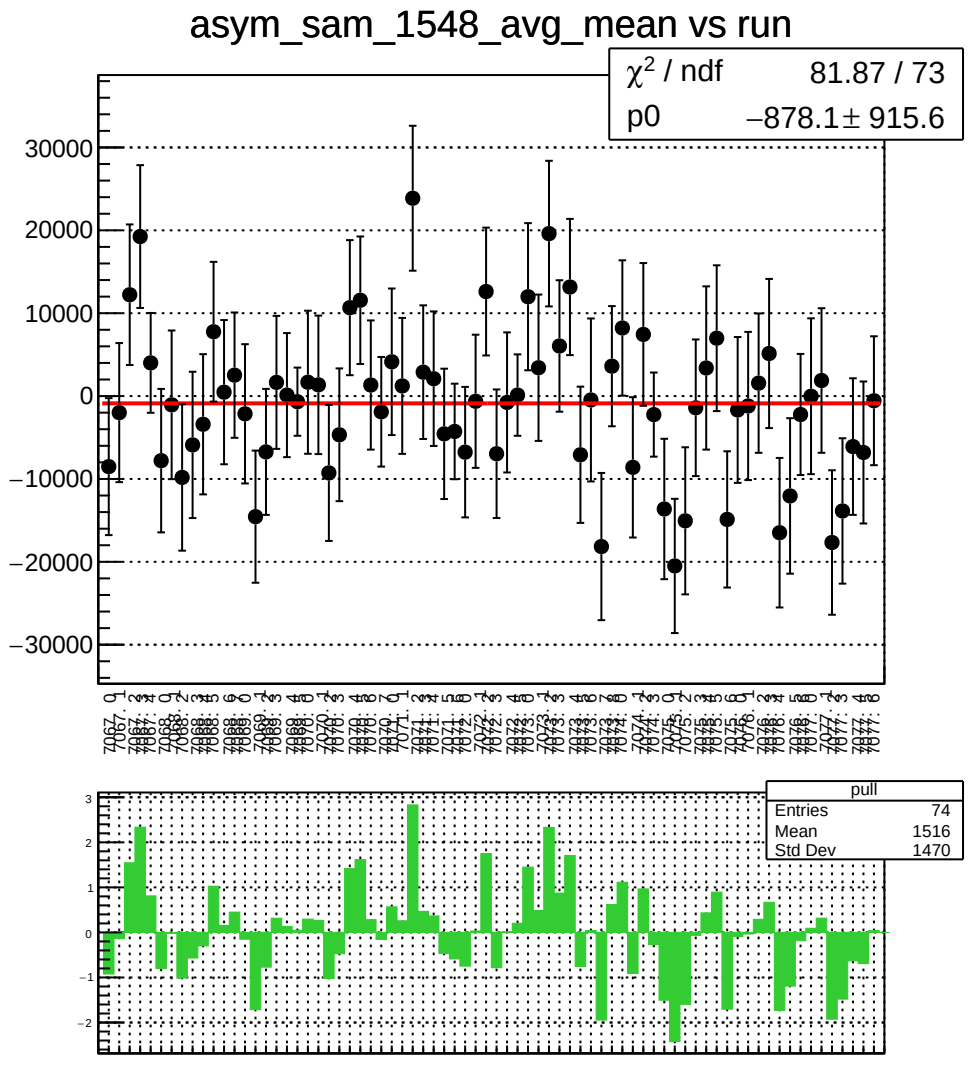

pull1D
Entries 74
Mean 0.0005226
Std Dev 0.9713
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

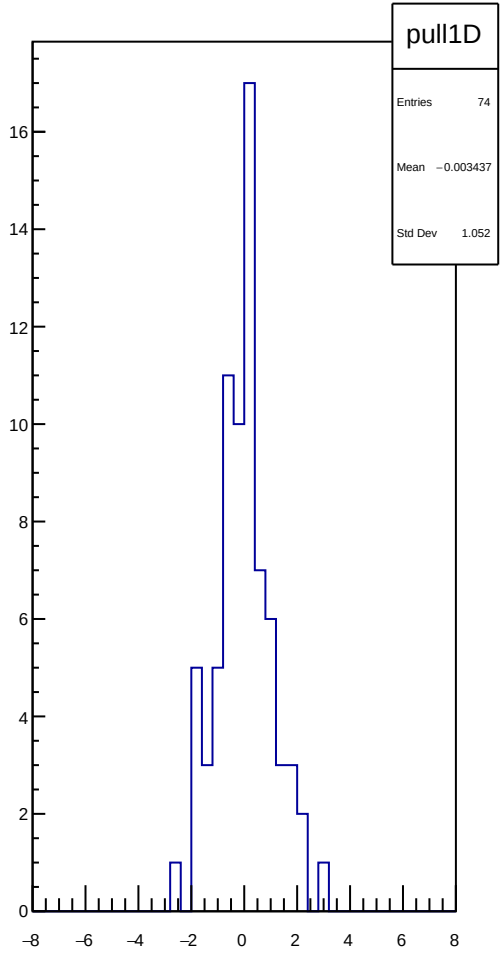

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 6.58e+04 / 73
p0 128.4 ± 0.106
240
220
200
180
160
140
120
100

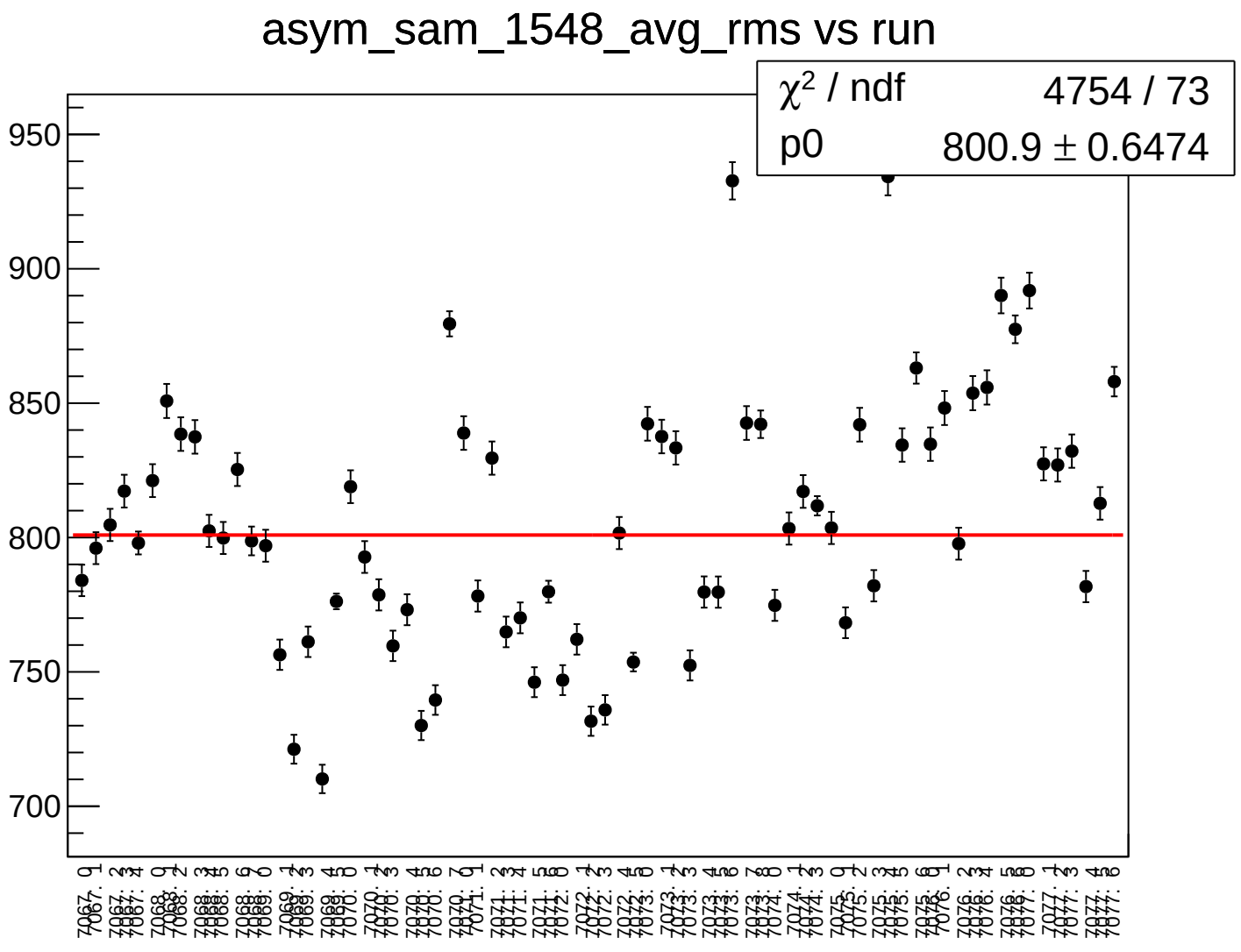

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 84.06 / 73
p0 776.8 ± 908.2
pull
Entries 74
Mean −1577
Std Dev 1624

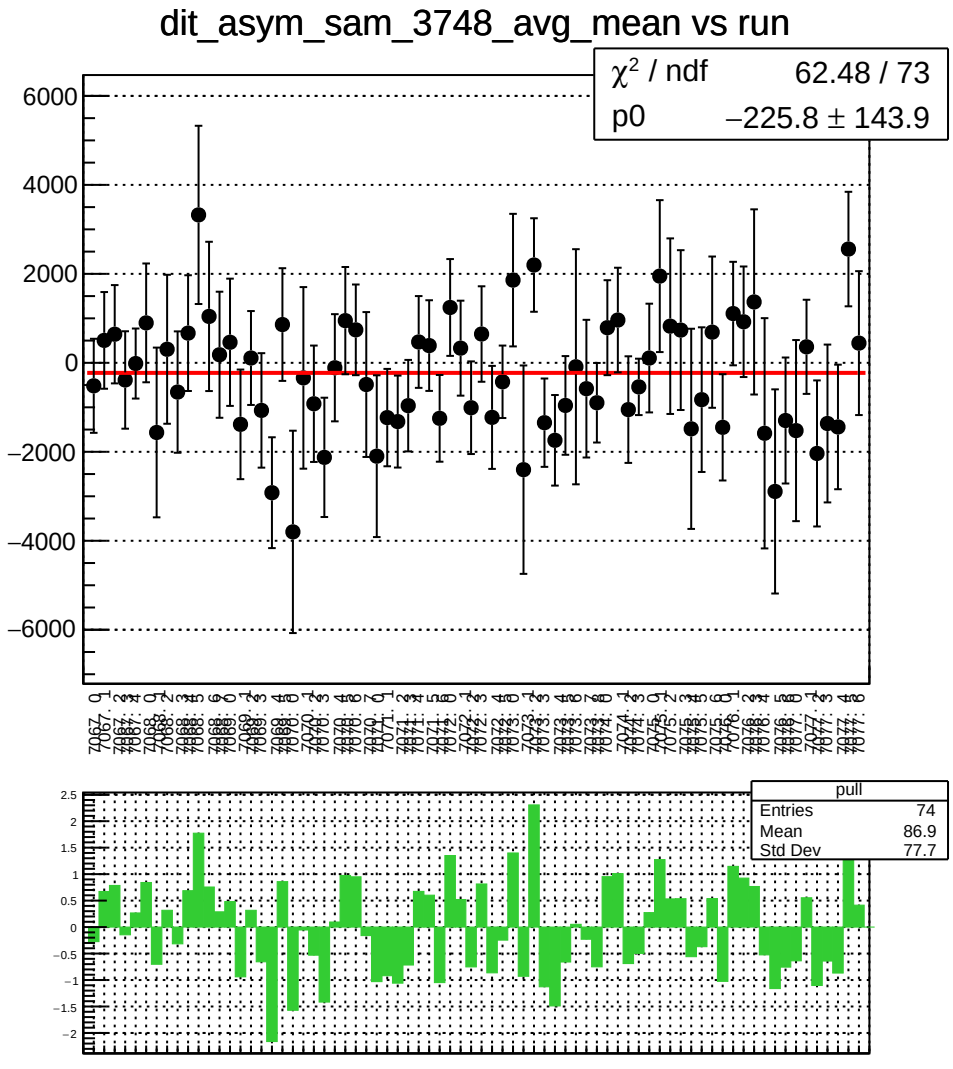

pull1D
Entries 74
Mean −0.003079
Std Dev 1.066

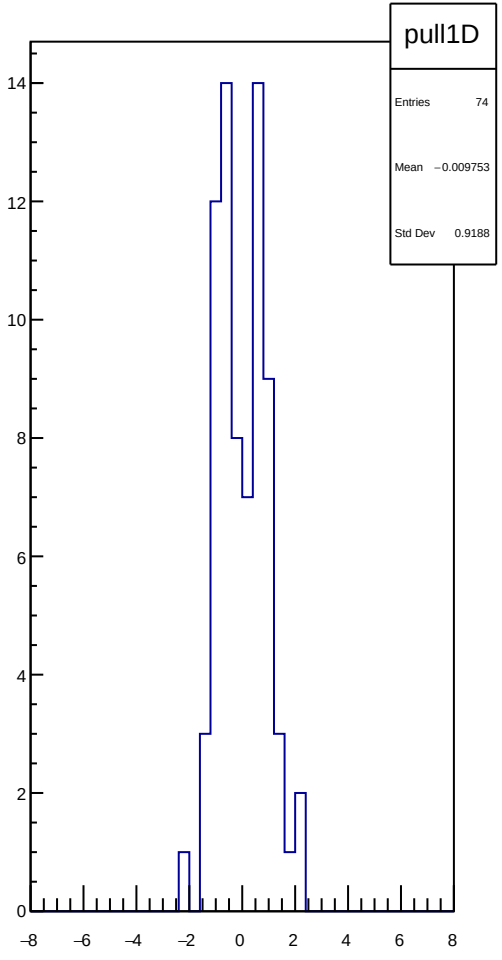

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3134 / 73
p0 794.8 ± 0.6422
900
850
800
750
700

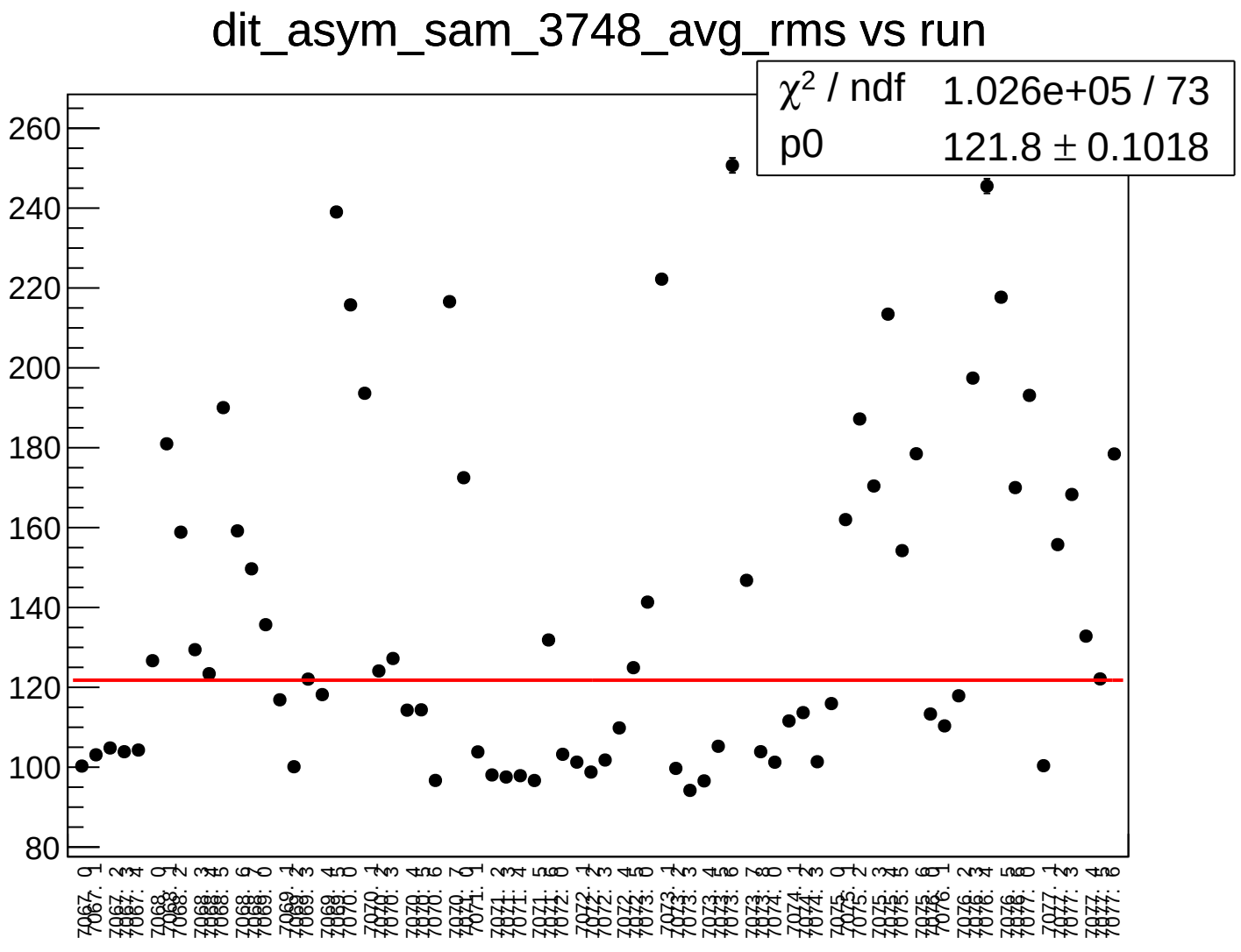

asym_sam_1548_avg_mean vs run
χ² / ndf 81.87 / 73
p0 −878.1± 915.6
pull
Entries 74
Mean 1516
Std Dev 1470

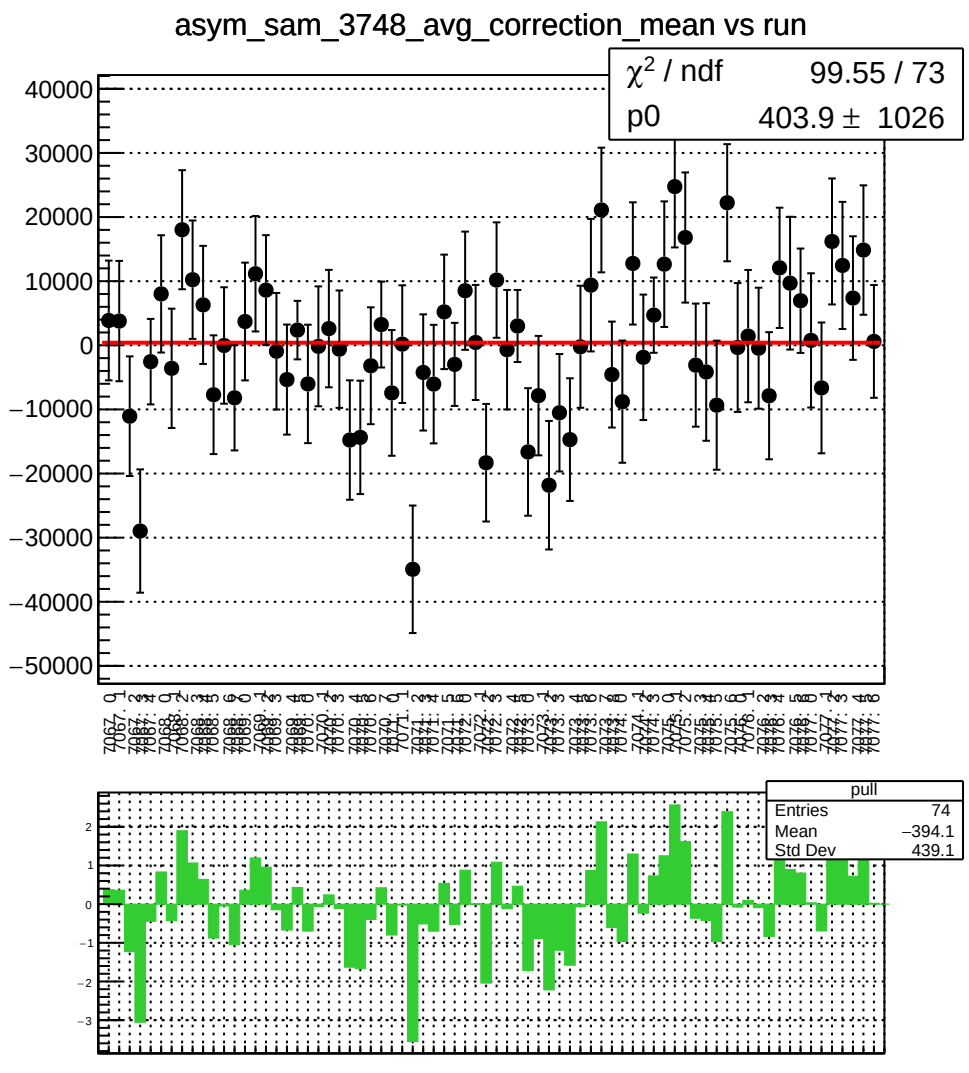

pull1D
Entries 74
Mean −0.003437
Std Dev 1.052

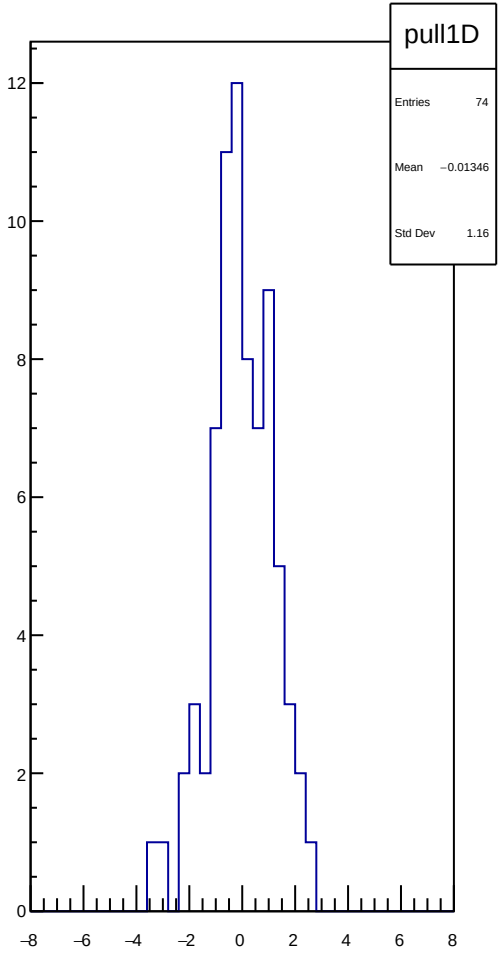

asym_sam_1548_avg_rms vs run
χ² / ndf 4754 / 73
p0 800.9 ± 0.6474
950
900
850
800
750
700

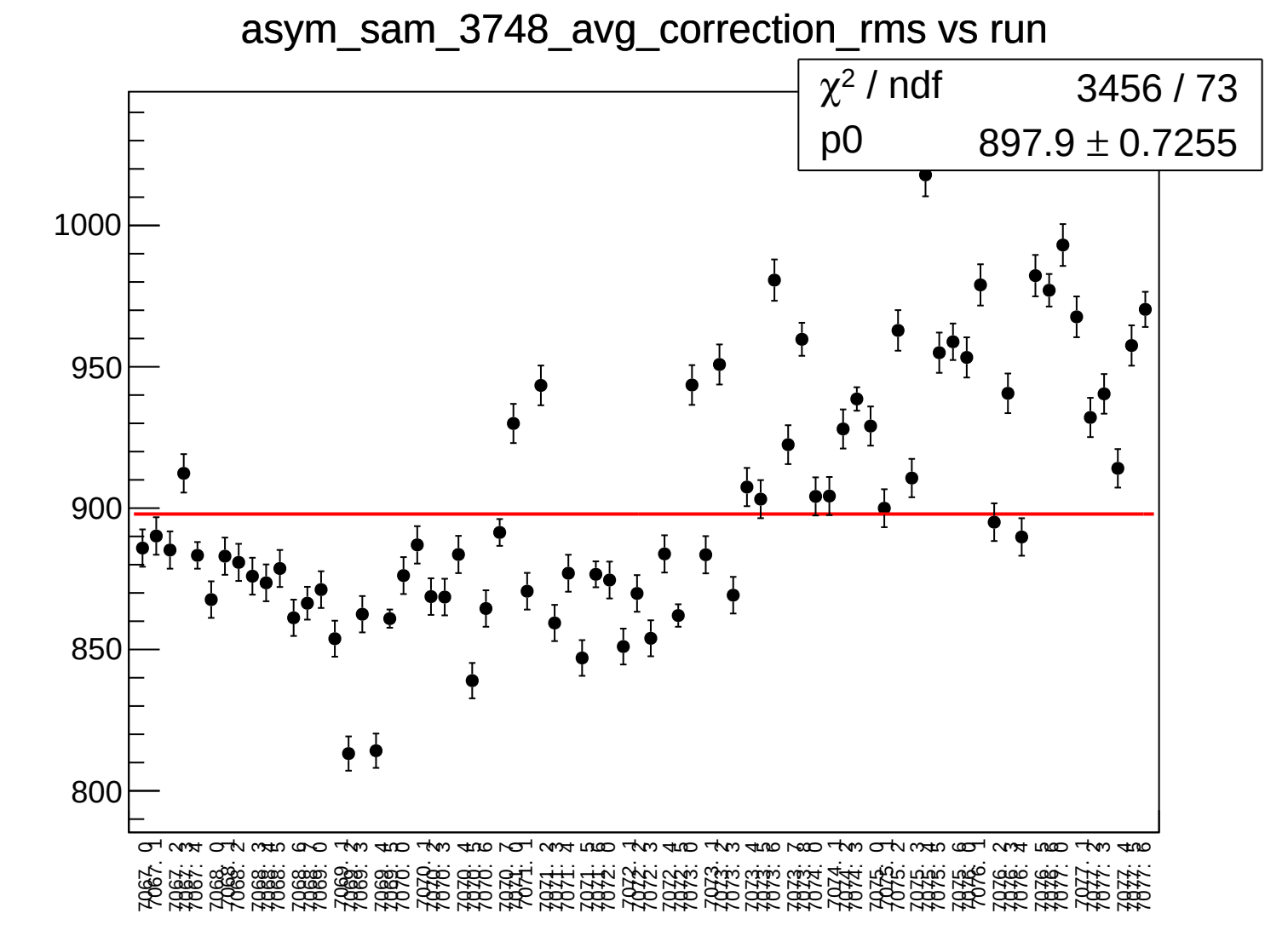

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 62.48 / 73
p0 −225.8 ± 143.9
pull
Entries 74
Mean 86.9
Std Dev 77.7

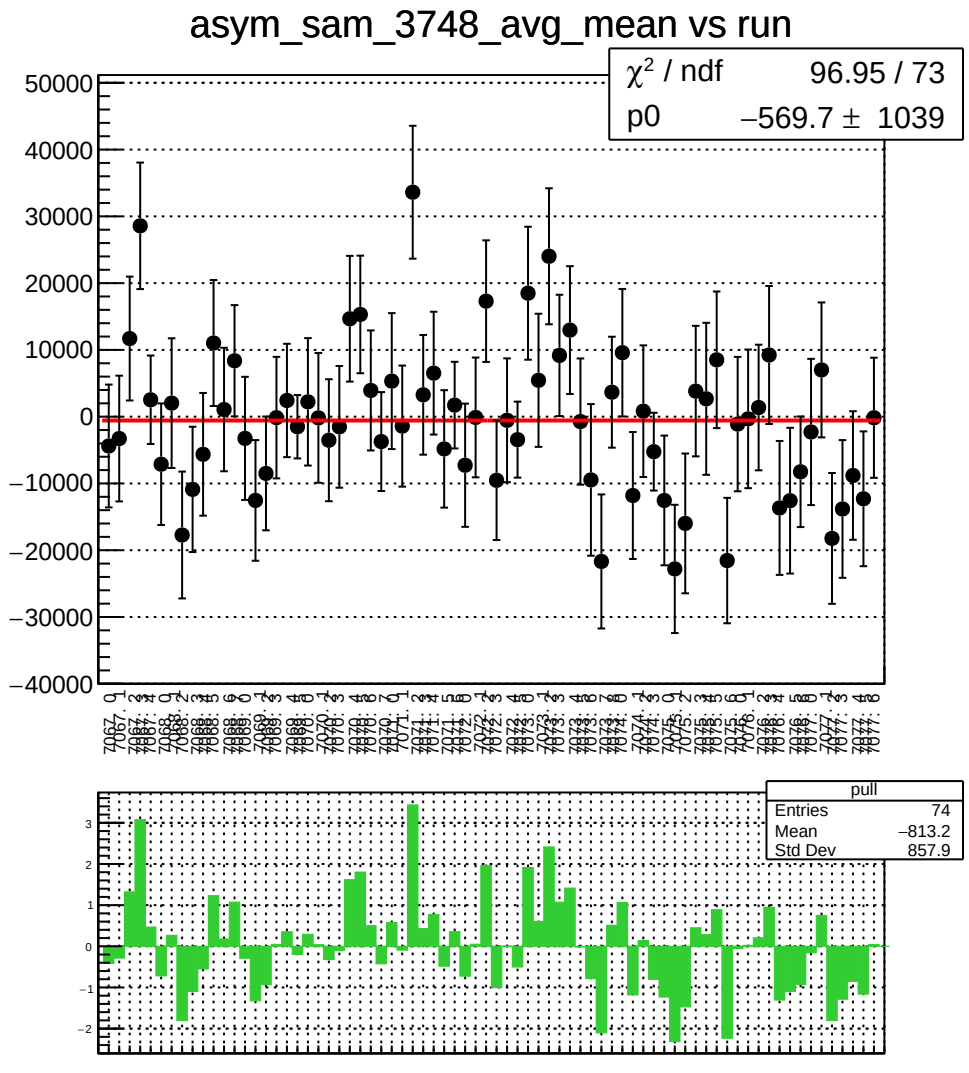

pull1D
Entries 74
Mean −0.009753
Std Dev 0.9188

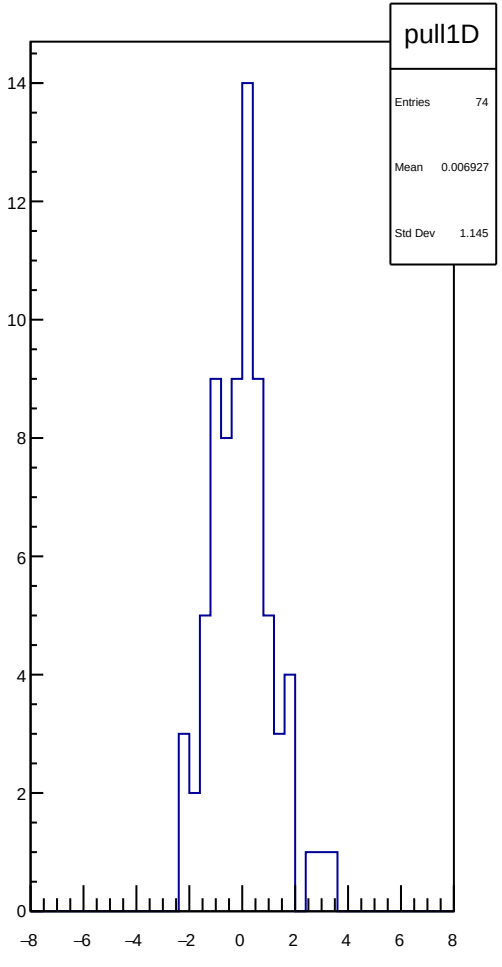

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.026e+05 / 73
p0 121.8 ± 0.1018
260
240
220
200
180
160
140
120
100
80

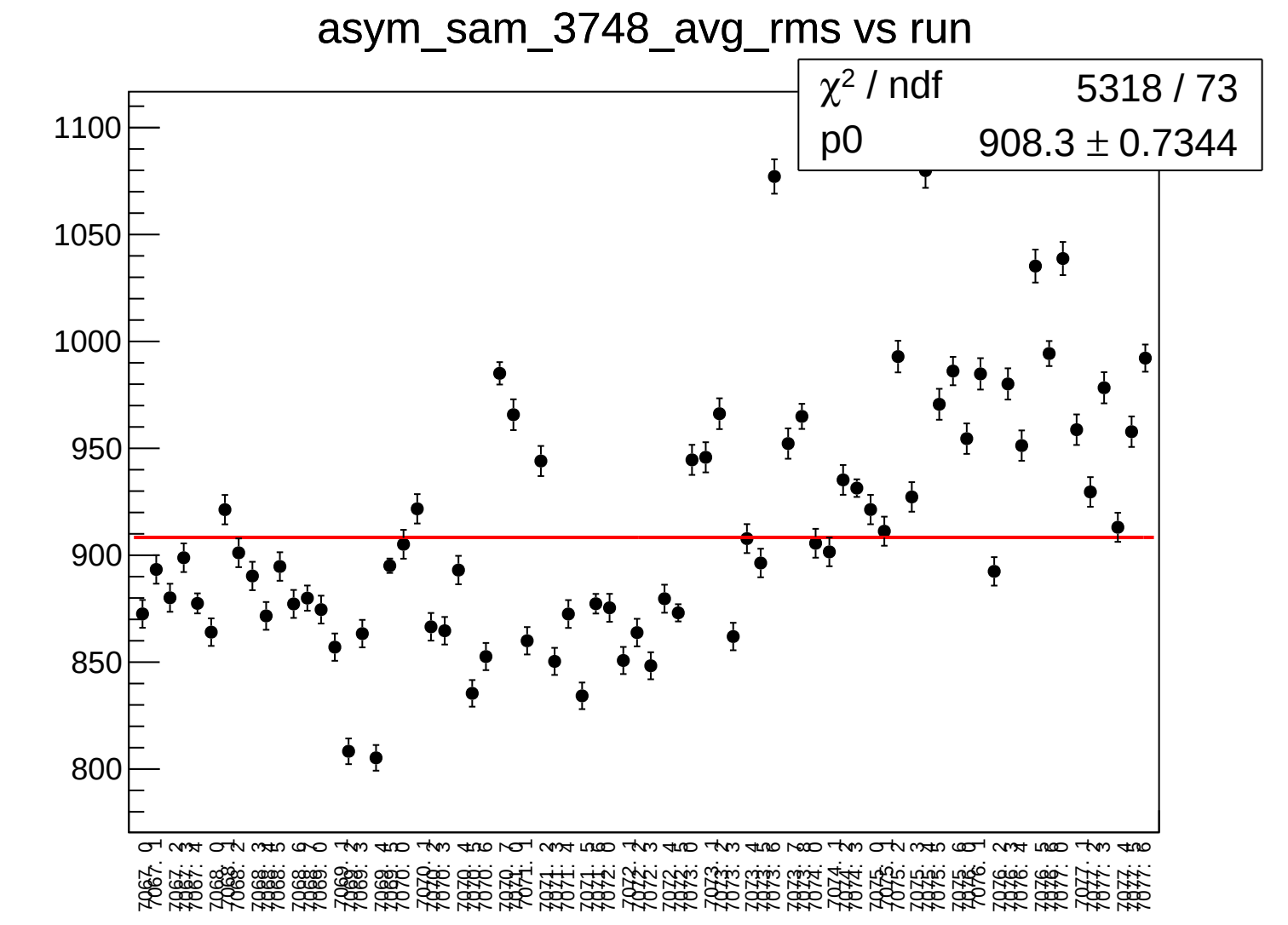

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 99.55 / 73
p0 403.9 ± 1026
pull
Entries 74
Mean −394.1
Std Dev 439.1

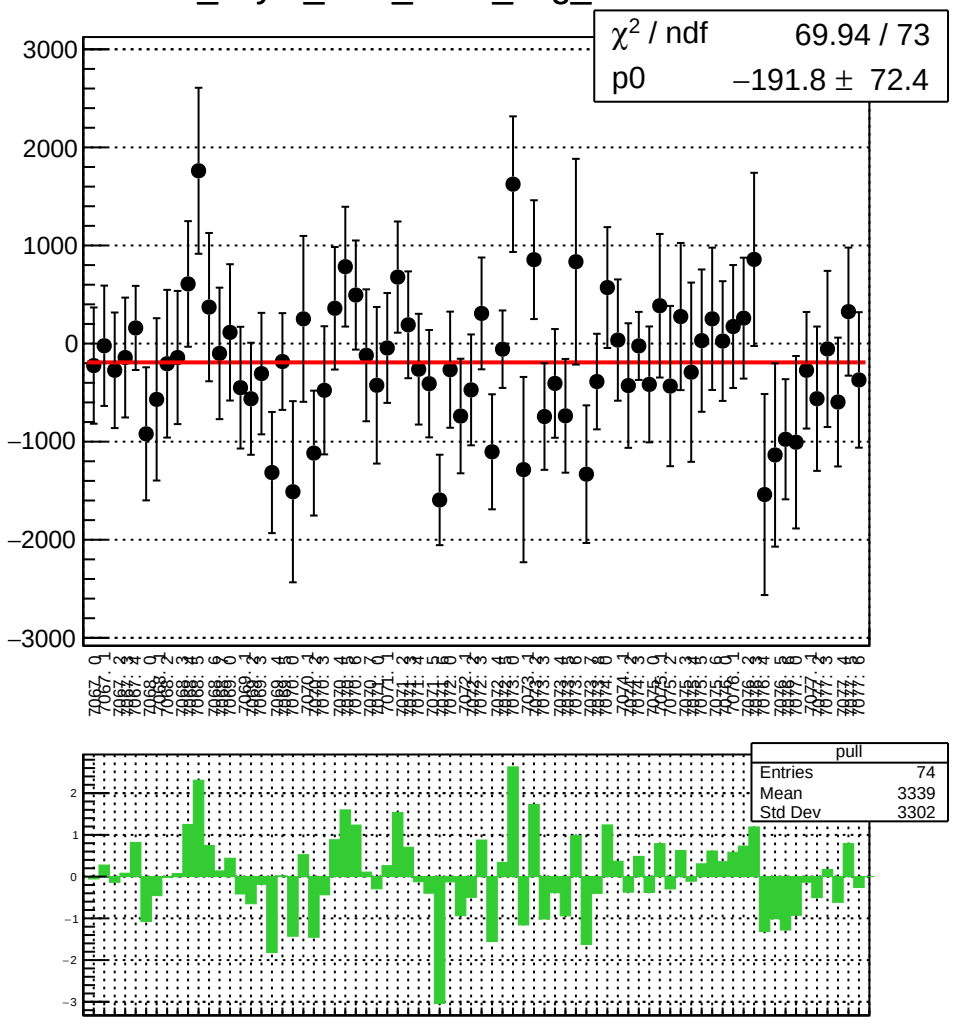

pull1D
Entries 74
Mean −0.01346
Std Dev 1.16

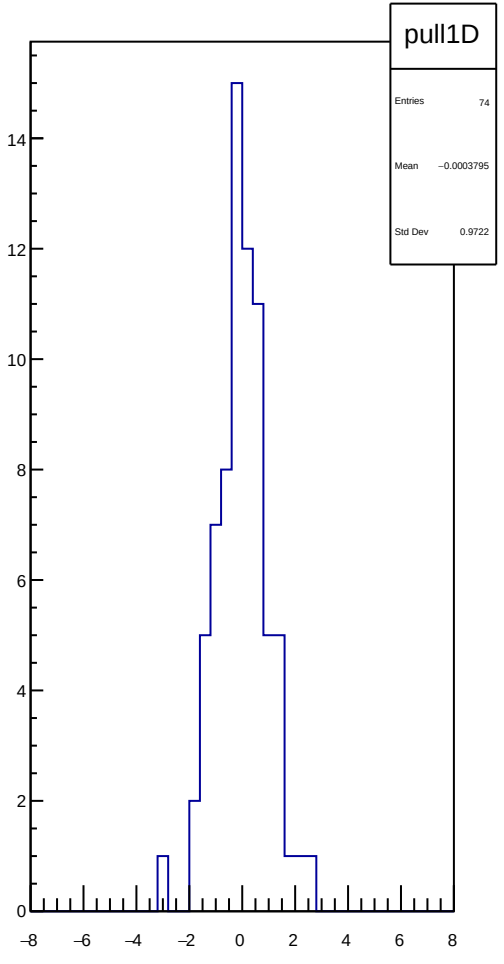

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3456 / 73
p0 897.9 ± 0.7255
1000
950
900
850
800

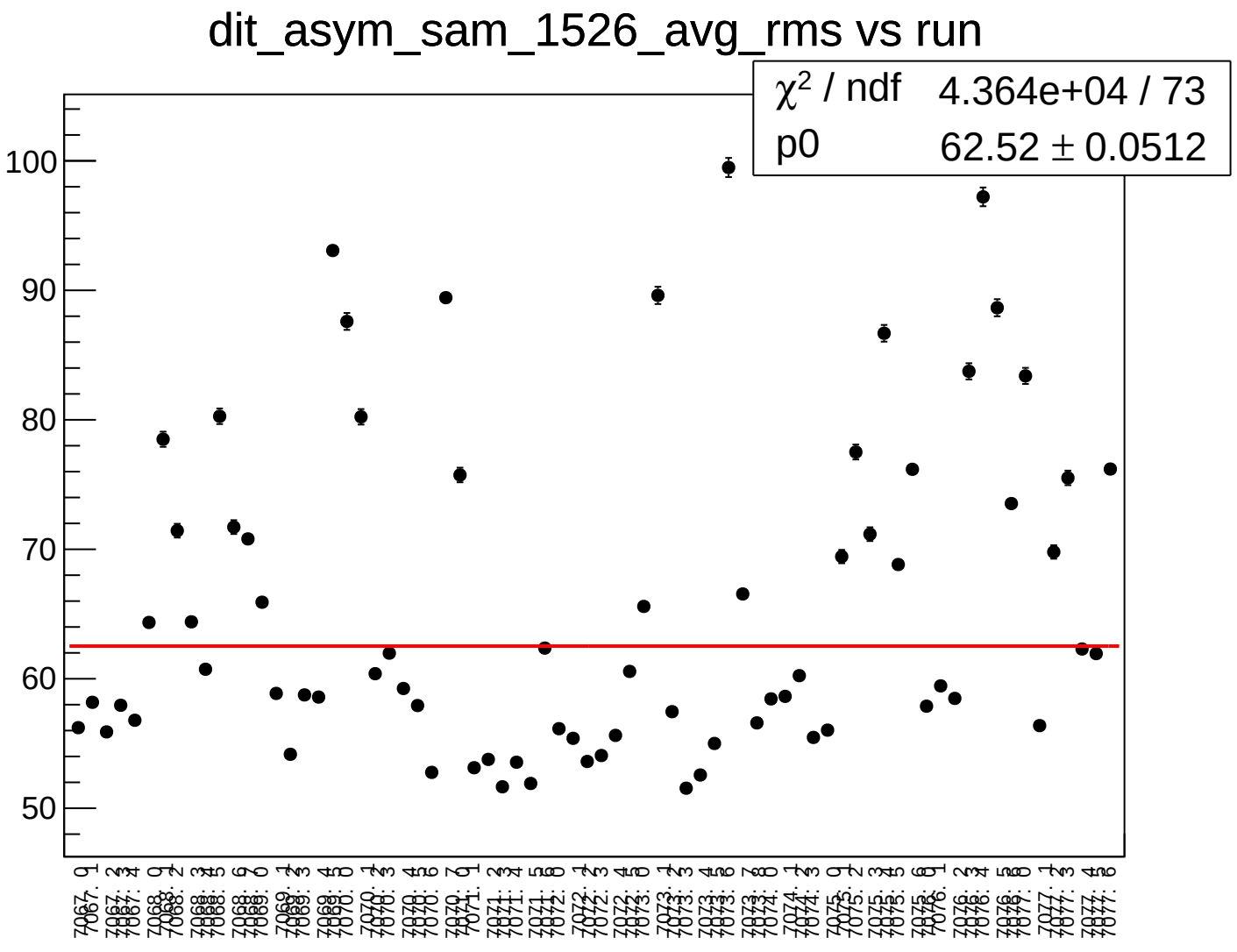

asym_sam_3748_avg_mean vs run
χ² / ndf 96.95 / 73
p0 −569.7 ± 1039
pull
Entries 74
Mean −813.2
Std Dev 857.9

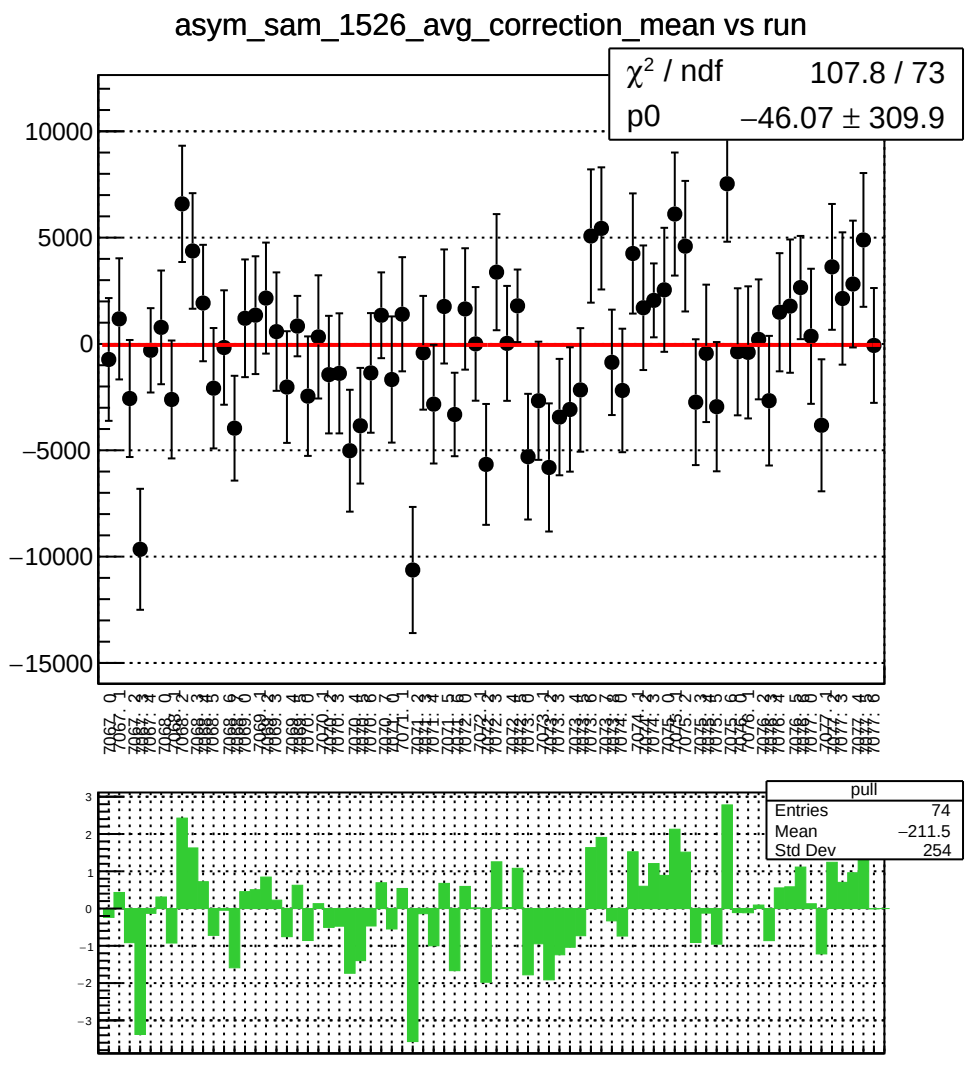

pull1D
Entries 74
Mean 0.006927
Std Dev 1.145

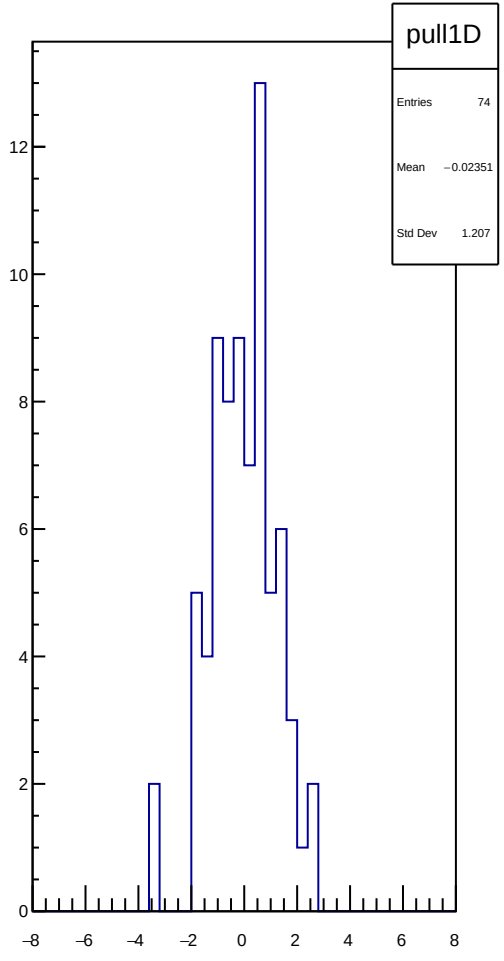

asym_sam_3748_avg_rms vs run
χ^2 / ndf 5318 / 73
p0 908.3 ± 0.7344
1100
1050
1000
950
900
850
800

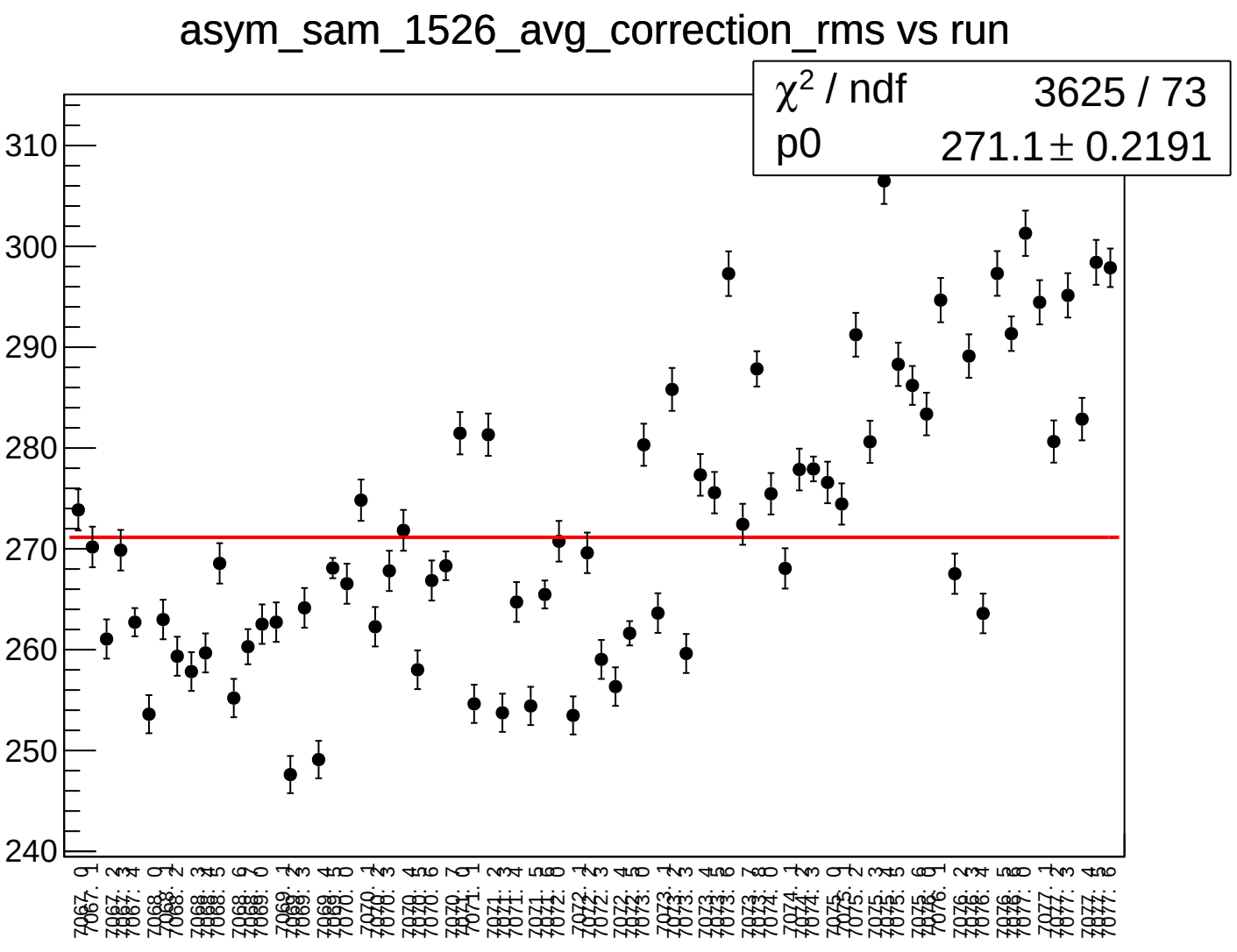

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 69.94 / 73
p0 −191.8 ± 72.4
pull
Entries 74
Mean 3339
Std Dev 3302

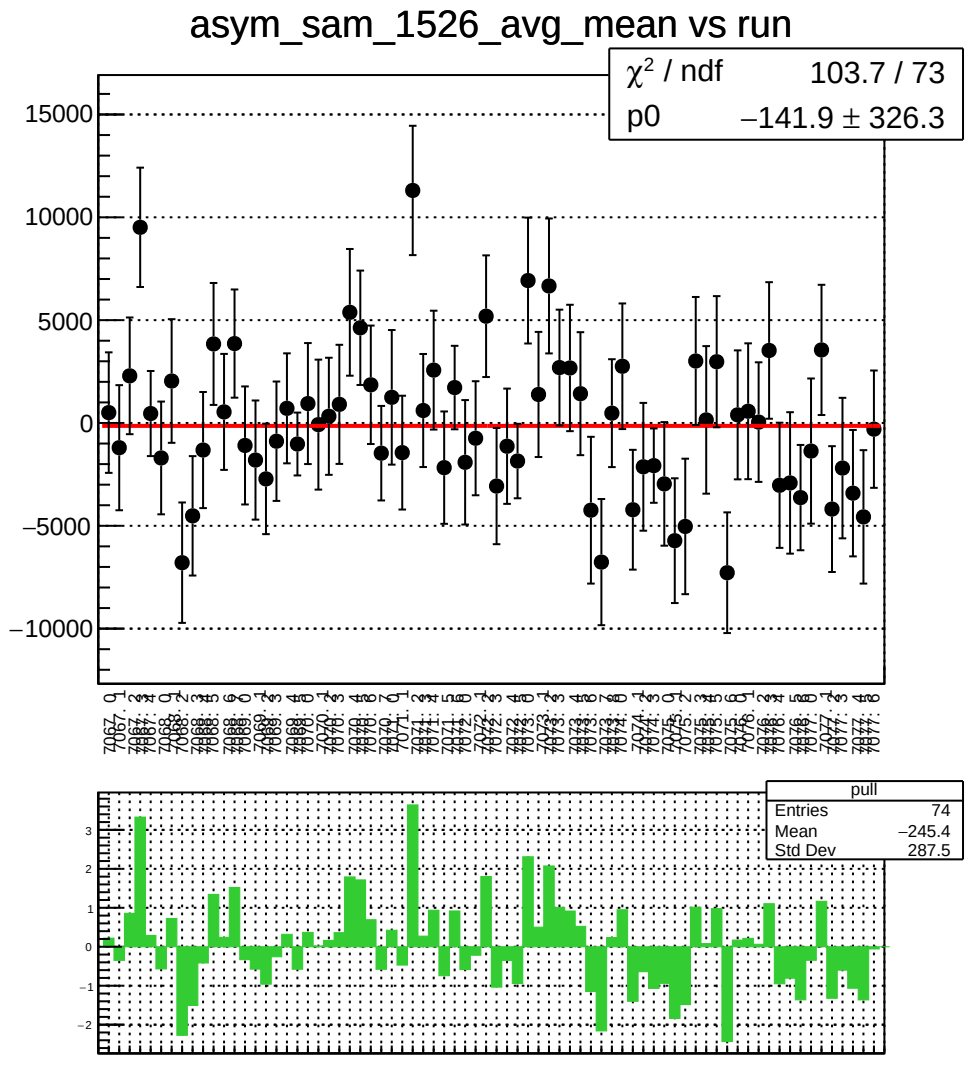

pull1D
Entries 74
Mean −0.0003795
Std Dev 0.9722

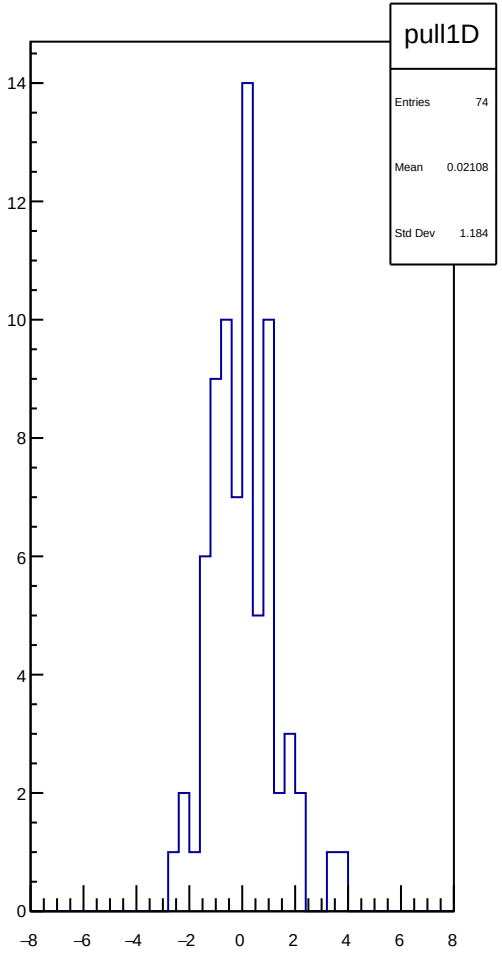

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 4.364e+04 / 73
p0 62.52 ± 0.0512
100
90
80
70
60
50

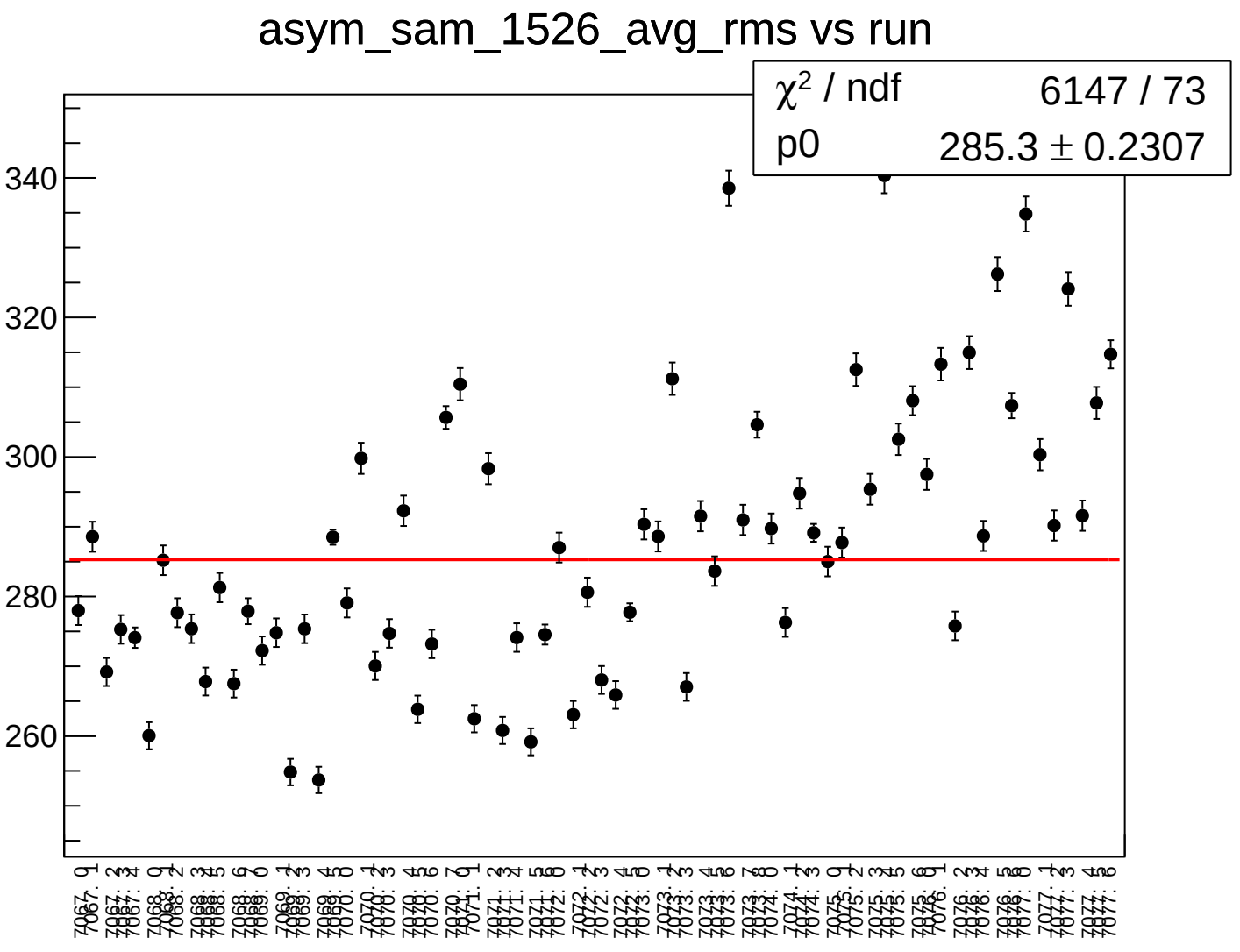

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 107.8 / 73
p0 −46.07 ± 309.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −211.5
Std Dev 254
3
2
1
0
−1
−2
−3

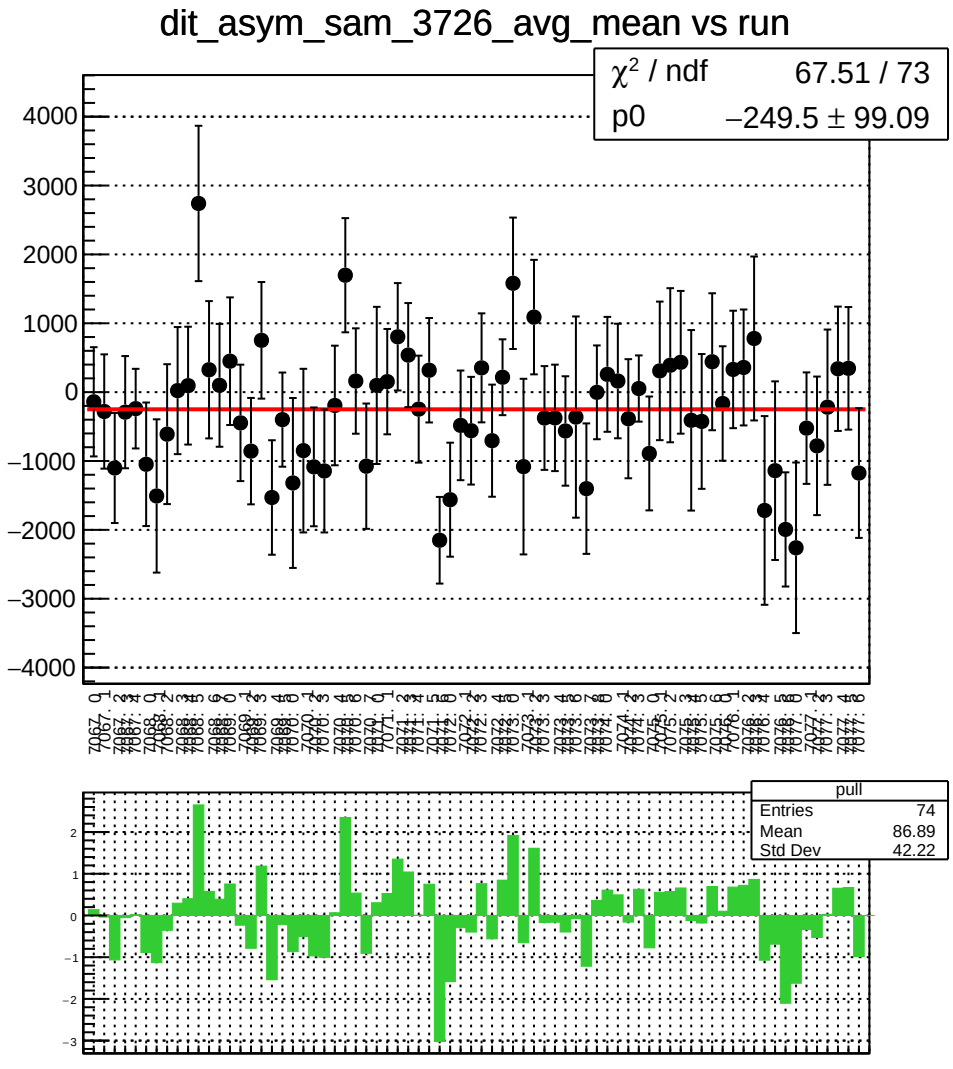

pull1D
Entries 74
Mean −0.02351
Std Dev 1.207
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

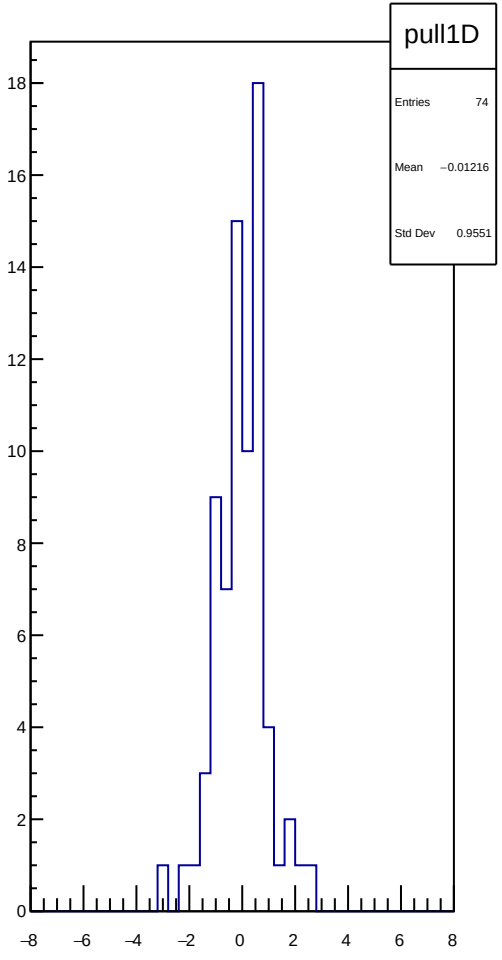

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 3625 / 73
p0 271.1 ± 0.2191
310
300
290
280
270
260
250
240

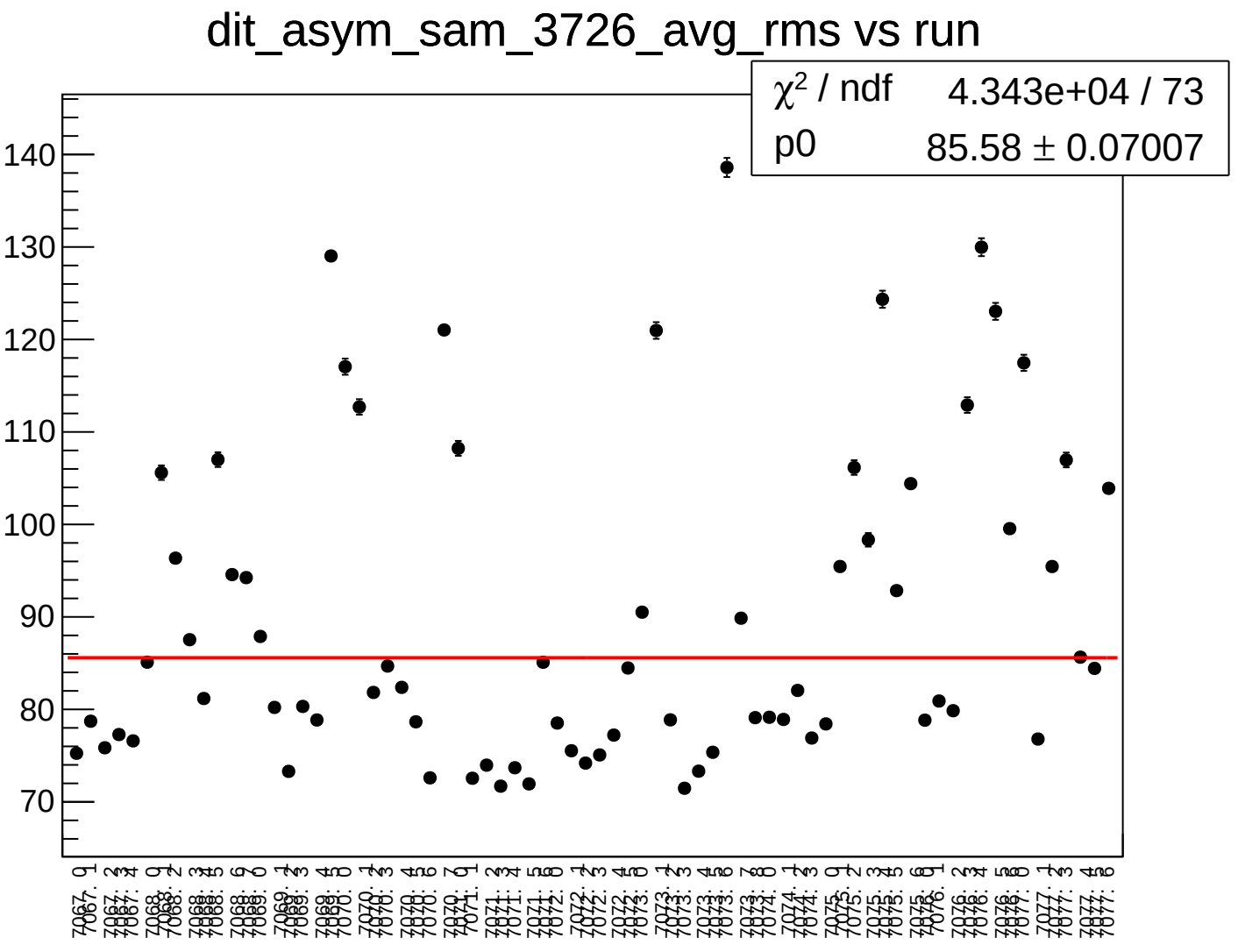

asym_sam_1526_avg_mean vs run
χ² / ndf 103.7 / 73
p0 −141.9 ± 326.3
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −245.4
Std Dev 287.5
3
2
1
0
−1
−2

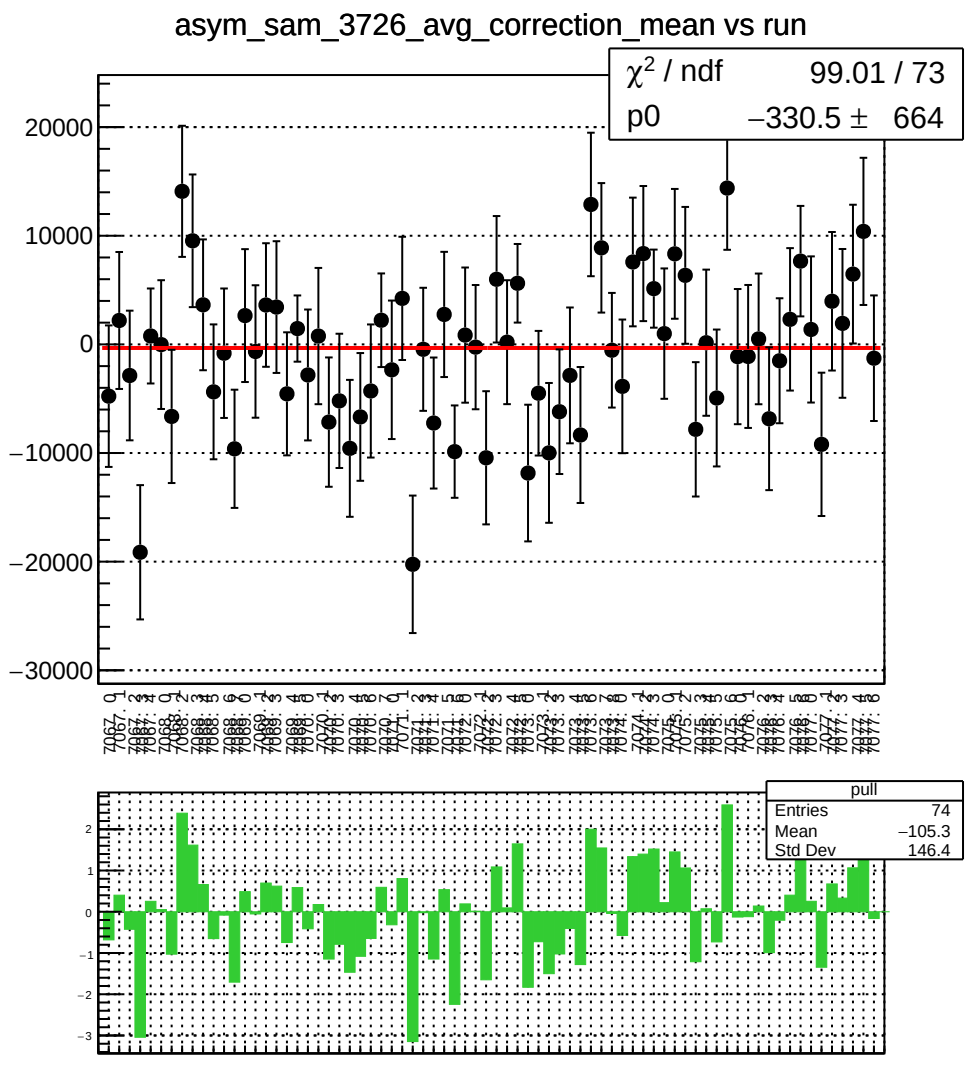

pull1D
Entries 74
Mean 0.02108
Std Dev 1.184
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

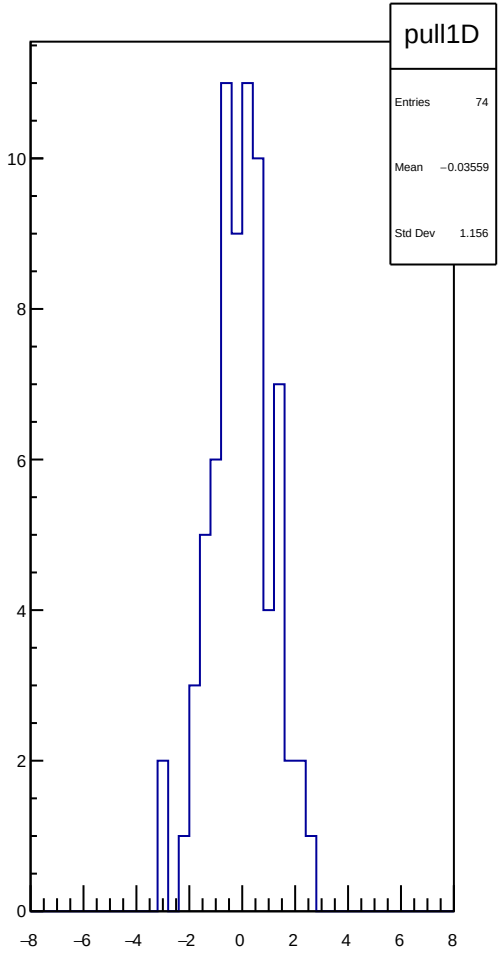

asym_sam_1526_avg_rms vs run
χ² / ndf 6147 / 73
p0 285.3 ± 0.2307
340
320
300
280
260

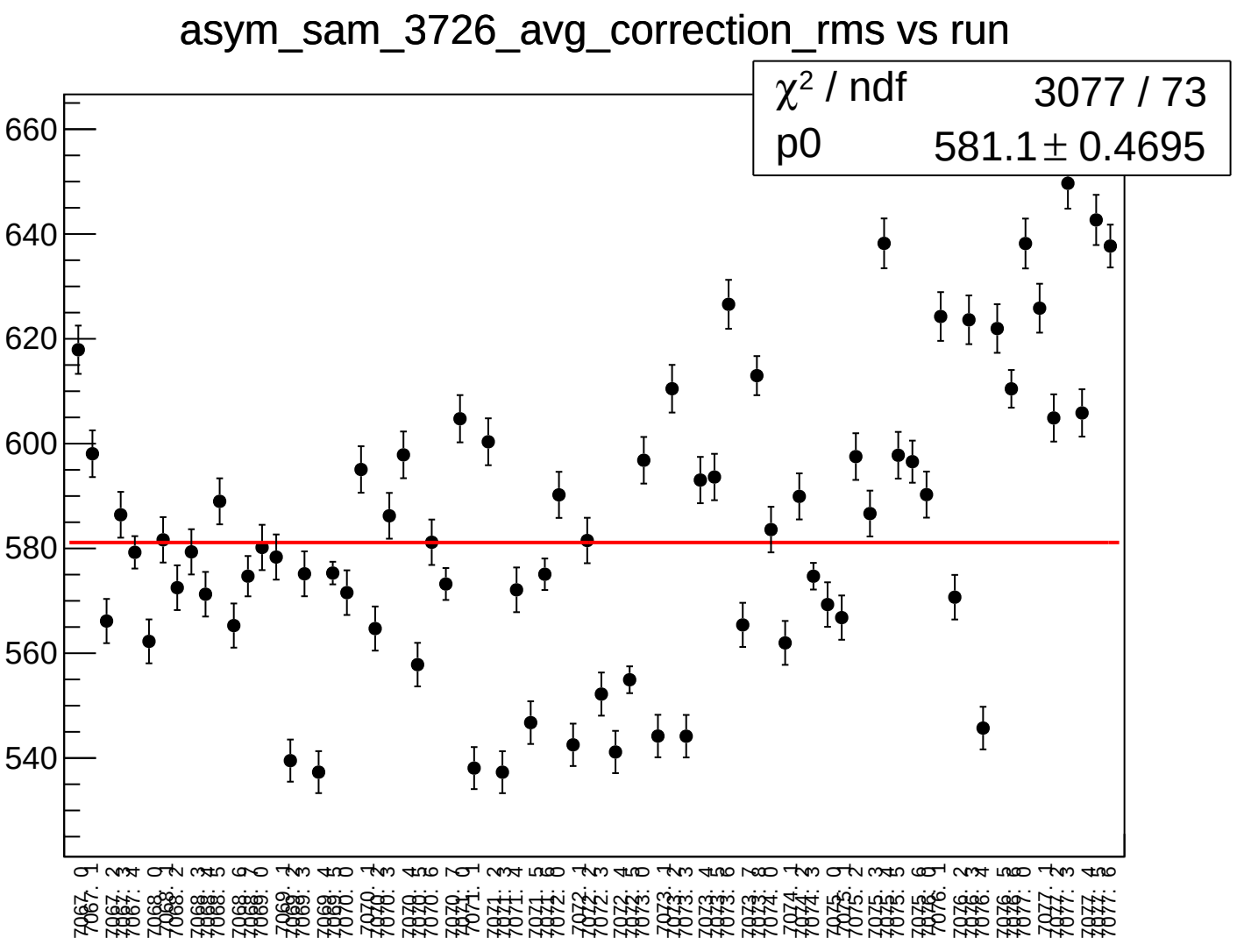

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 67.51 / 73
p0 −249.5 ± 99.09
pull
Entries 74
Mean 86.89
Std Dev 42.22

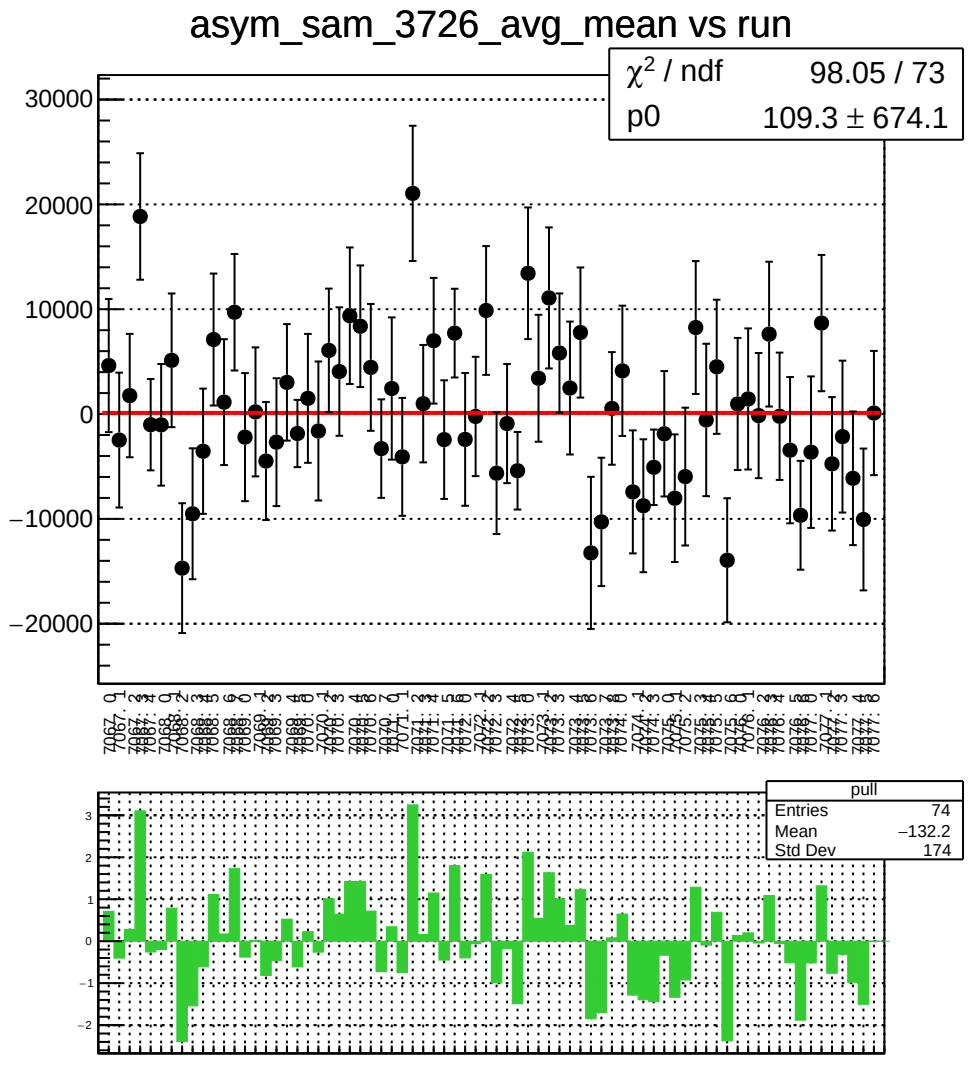

pull1D
Entries 74
Mean −0.01216
Std Dev 0.9551

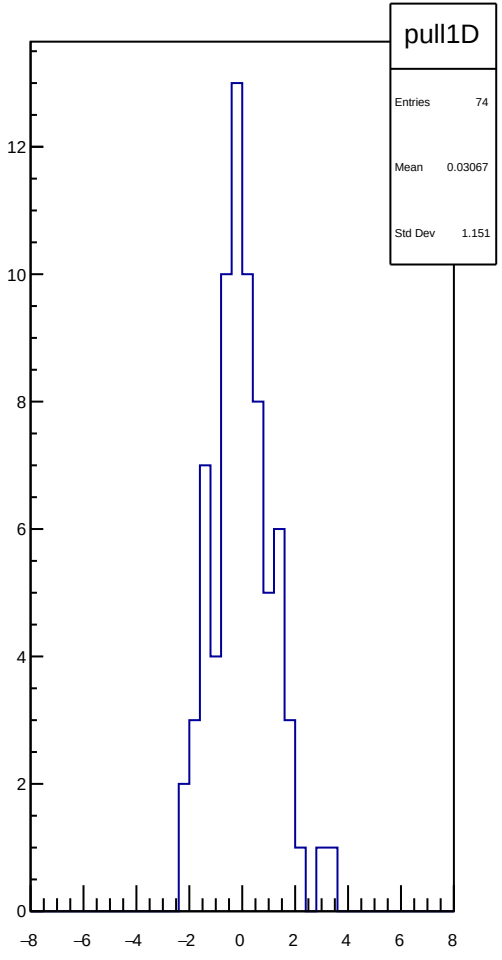

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 4.343e+04 / 73
p0 85.58 ± 0.07007
140
130
120
110
100
90
80
70

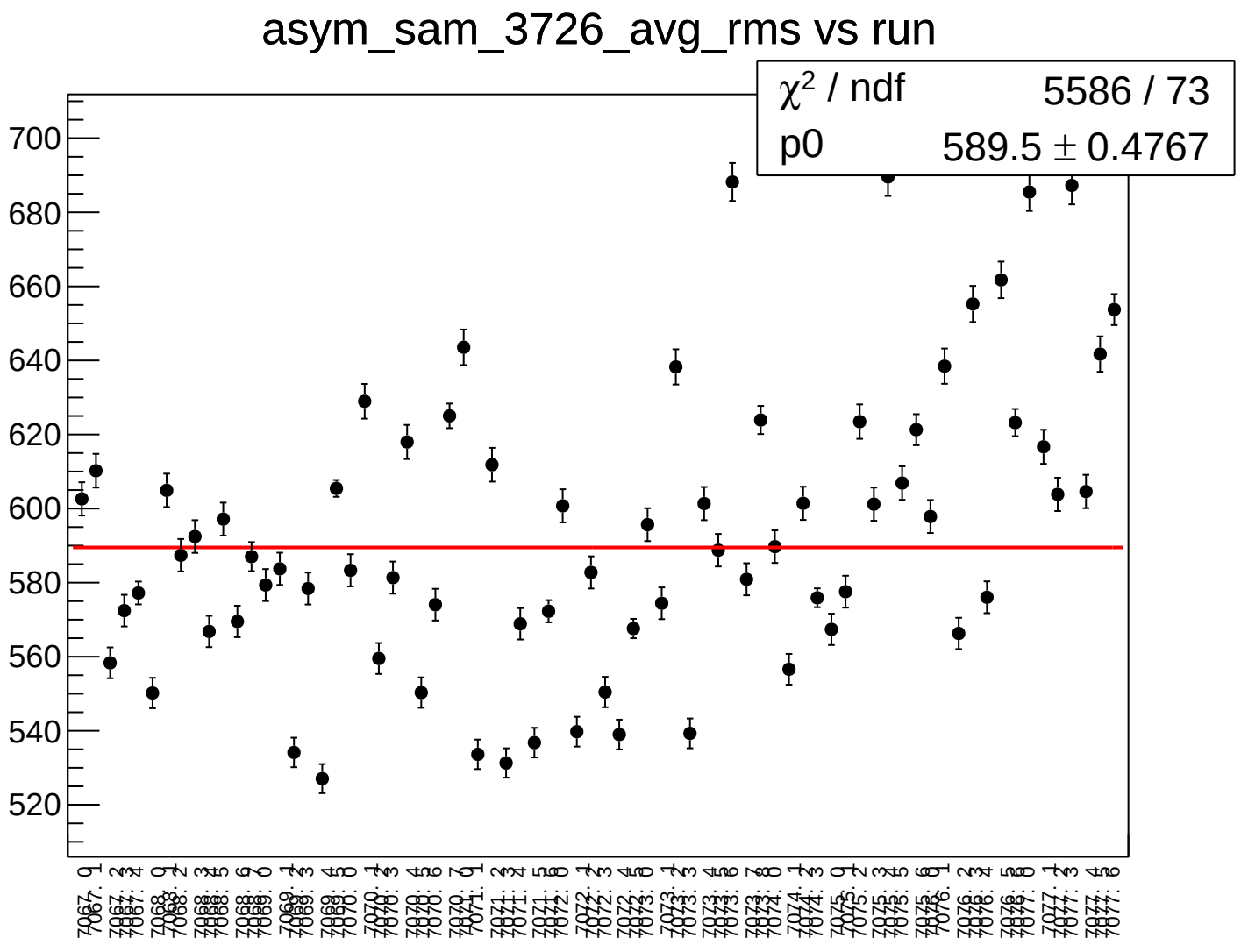

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 99.01 / 73
p0 −330.5 ± 664
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean −105.3
Std Dev 146.4
2
1
0
−1
−2
−3

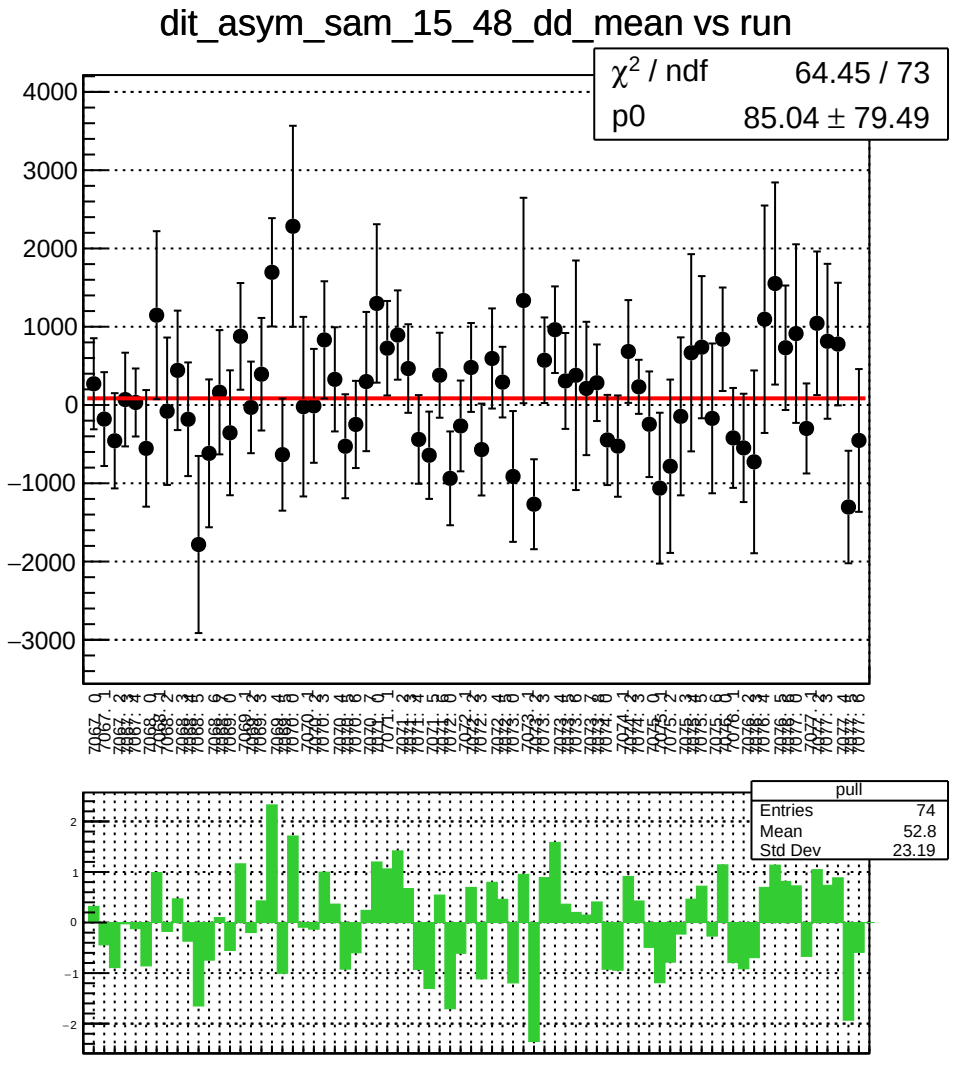

pull1D
Entries 74
Mean −0.03559
Std Dev 1.156
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

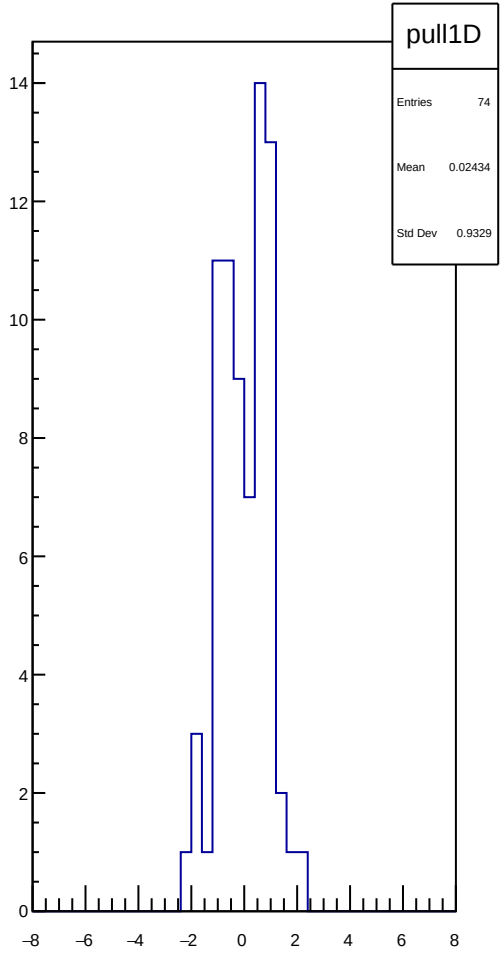

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3077 / 73
p0 581.1 ± 0.4695
660
640
620
600
580
560
540

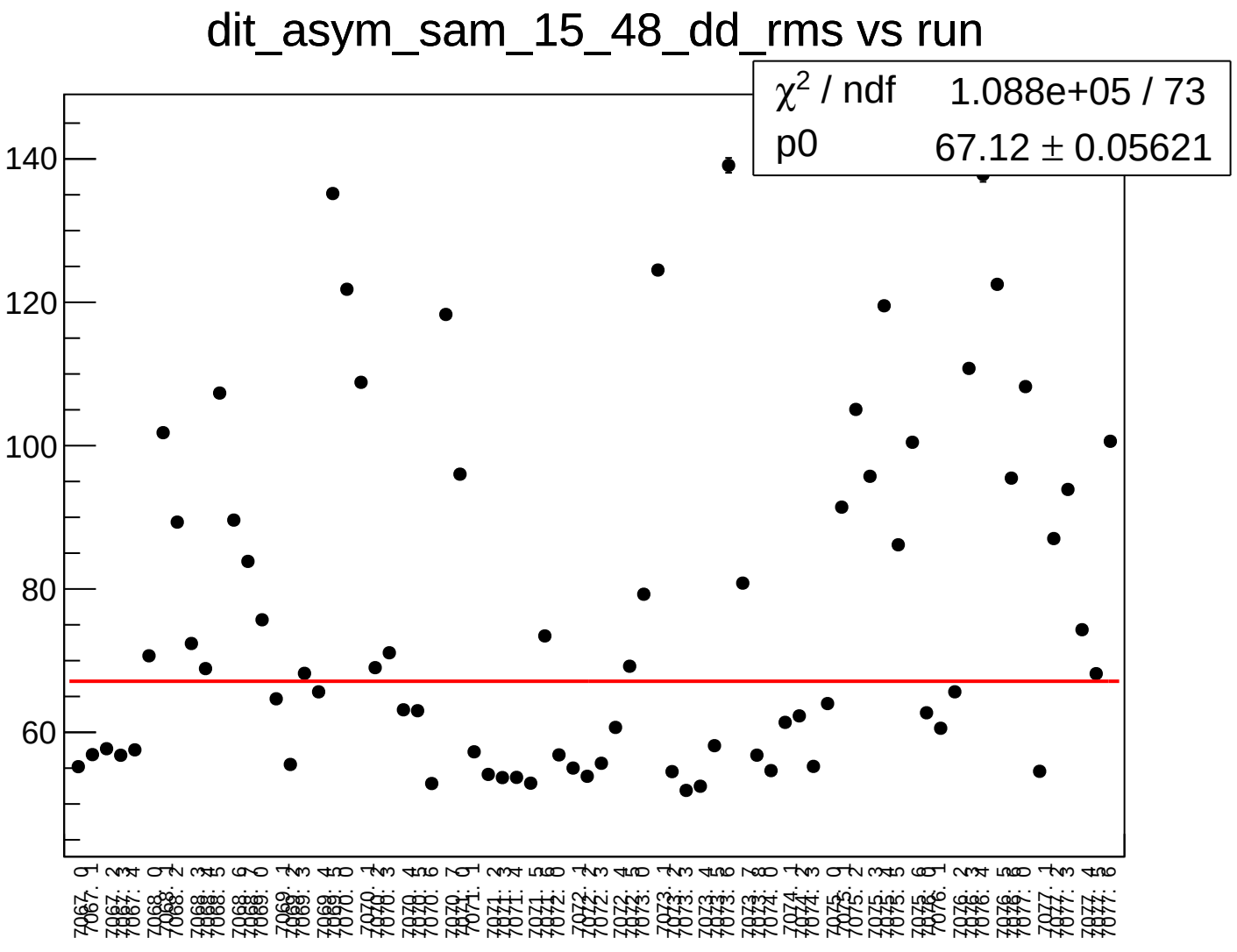

asym_sam_3726_avg_mean vs run
χ² / ndf 98.05 / 73
p0 109.3 ± 674.1
pull
Entries 74
Mean −132.2
Std Dev 174

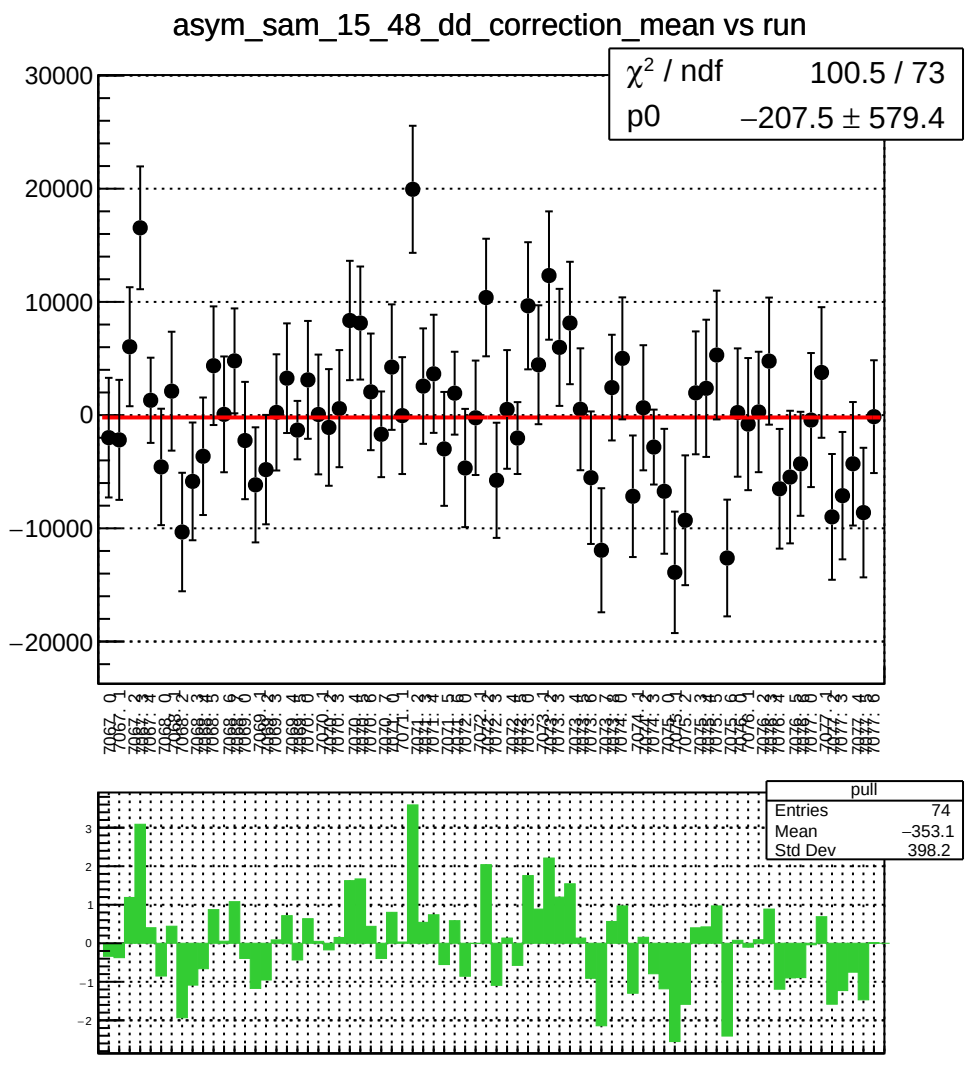

pull1D
Entries 74
Mean 0.03067
Std Dev 1.151

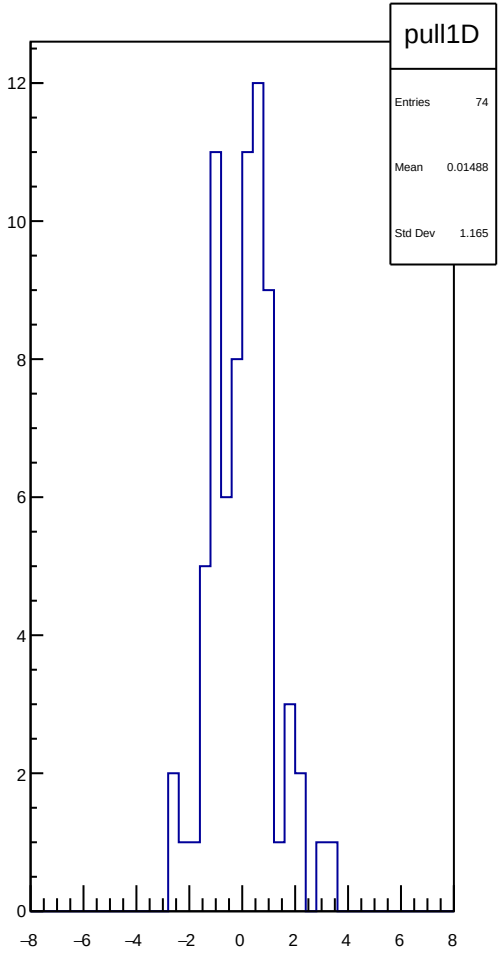

asym_sam_3726_avg_rms vs run
χ² / ndf 5586 / 73
p0 589.5 ± 0.4767
700
680
660
640
620
600
580
560
540
520

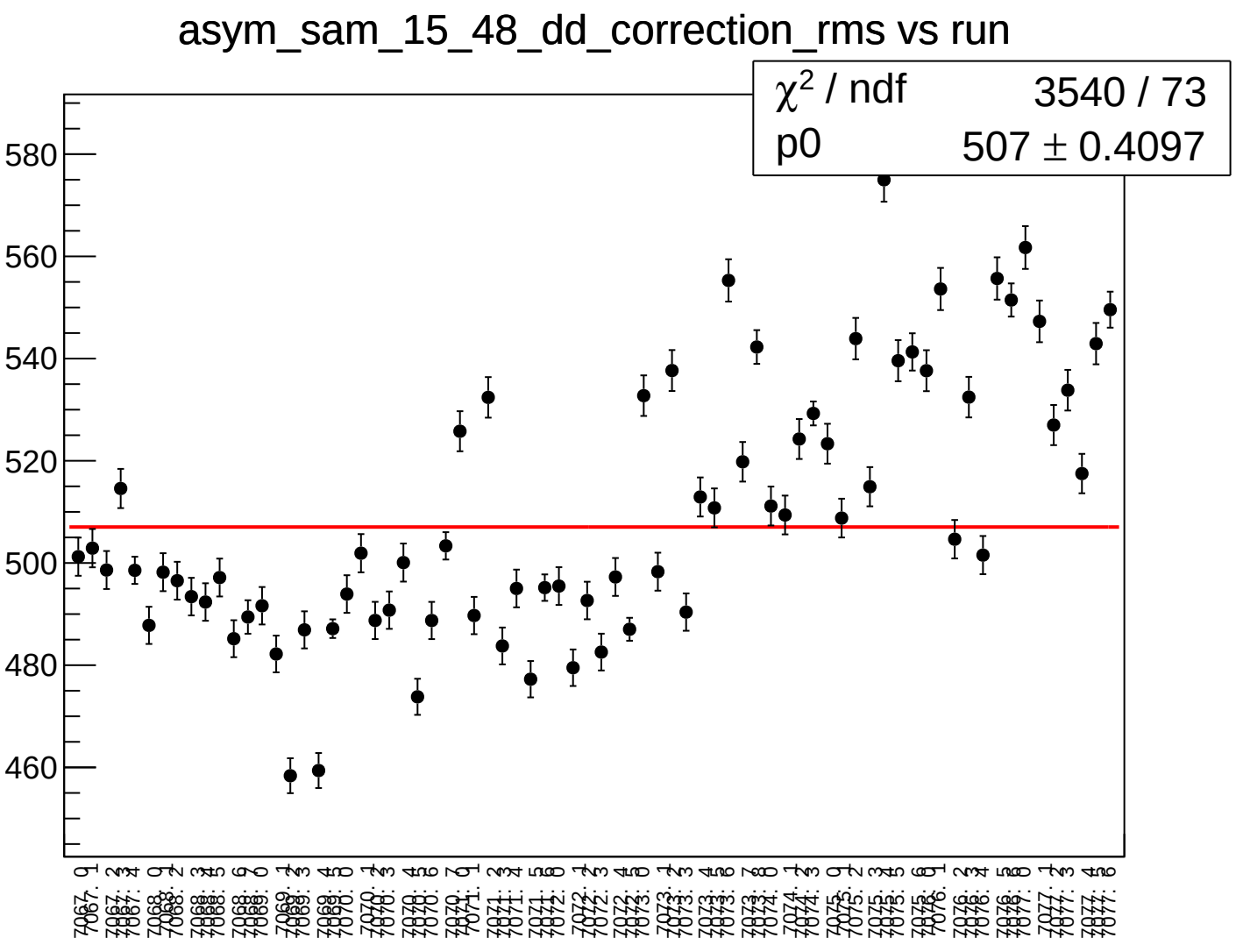

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 64.45 / 73
p0 85.04 ± 79.49
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 74
Mean 52.8
Std Dev 23.19
2
1
0
−1
−2

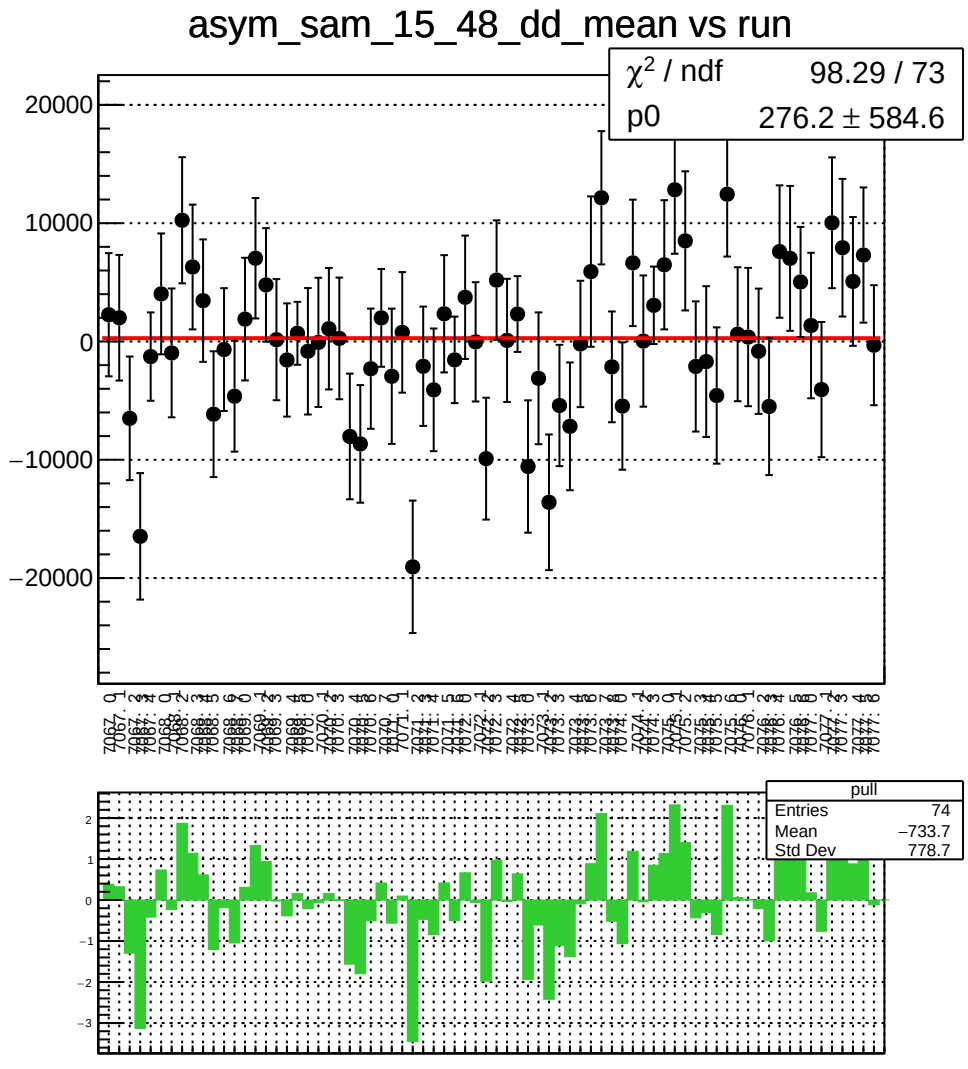

pull1D
Entries 74
Mean 0.02434
Std Dev 0.9329
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

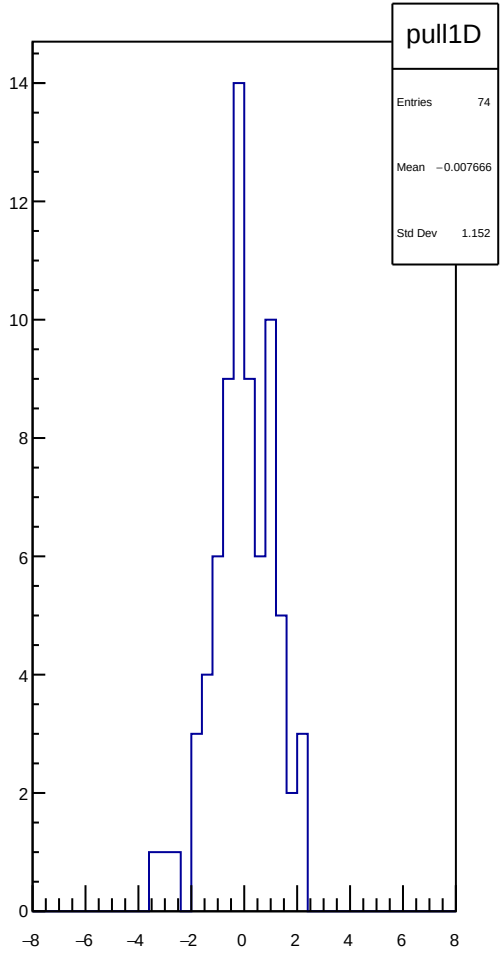

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.088e+05 / 73
p0 67.12 ± 0.05621
140
120
100
80
60

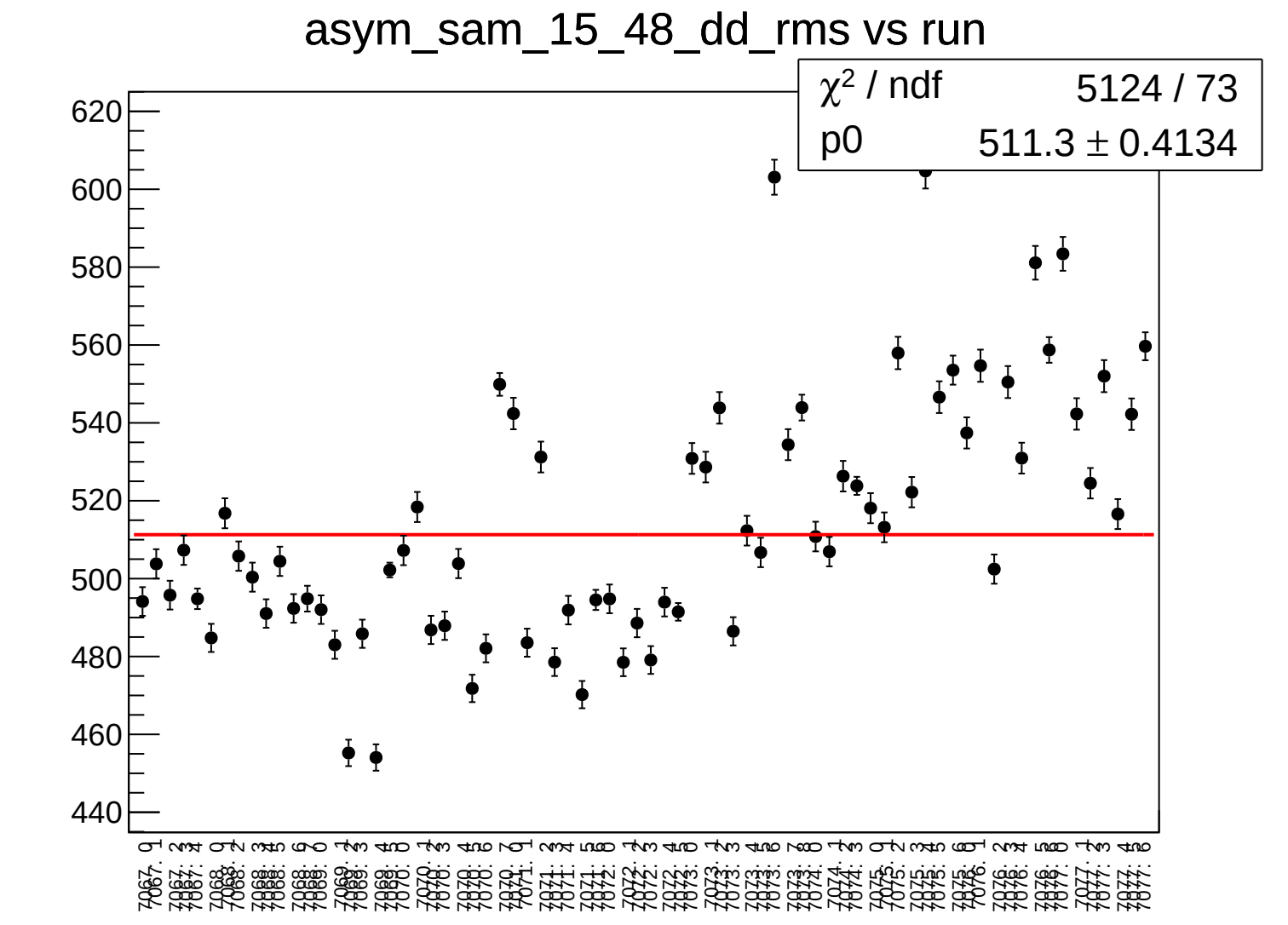

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 100.5 / 73
p0 −207.5 ± 579.4
pull
Entries 74
Mean −353.1
Std Dev 398.2

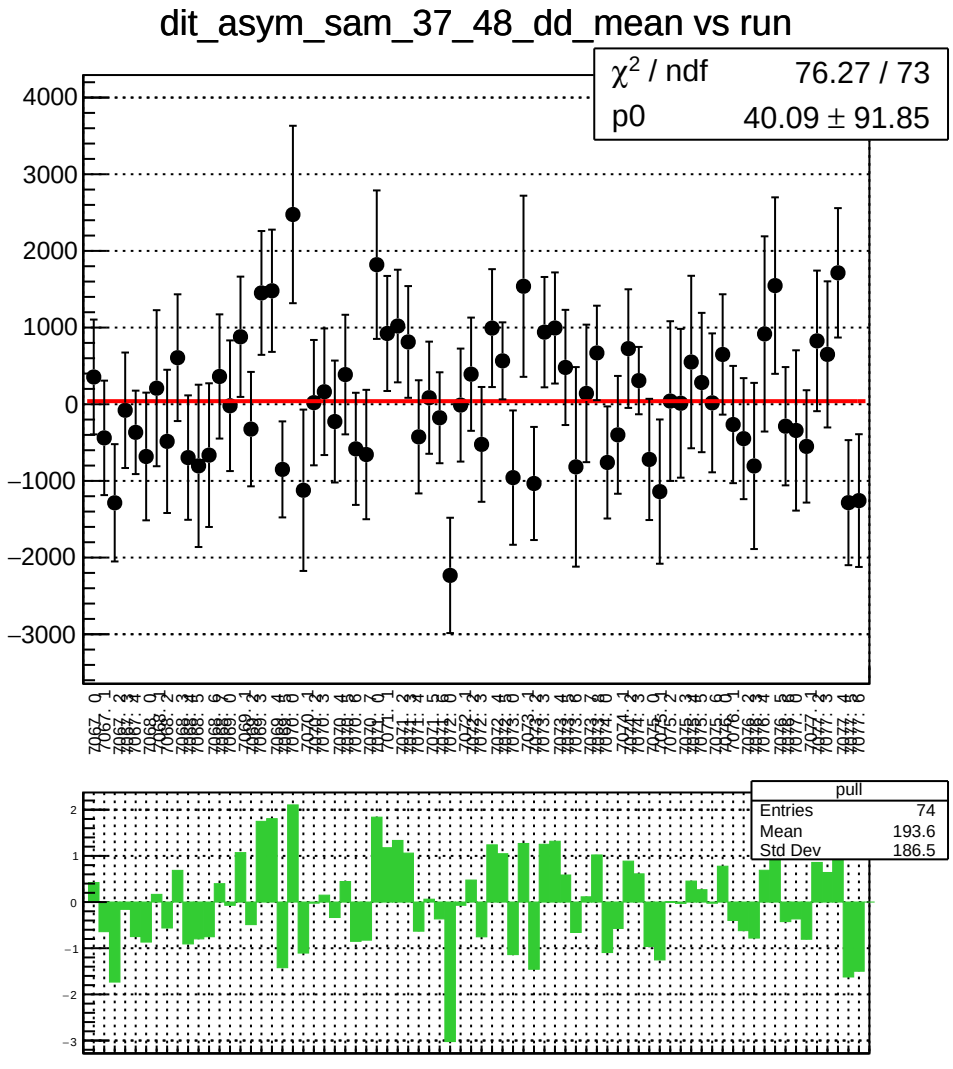

pull1D
Entries 74
Mean 0.01488
Std Dev 1.165

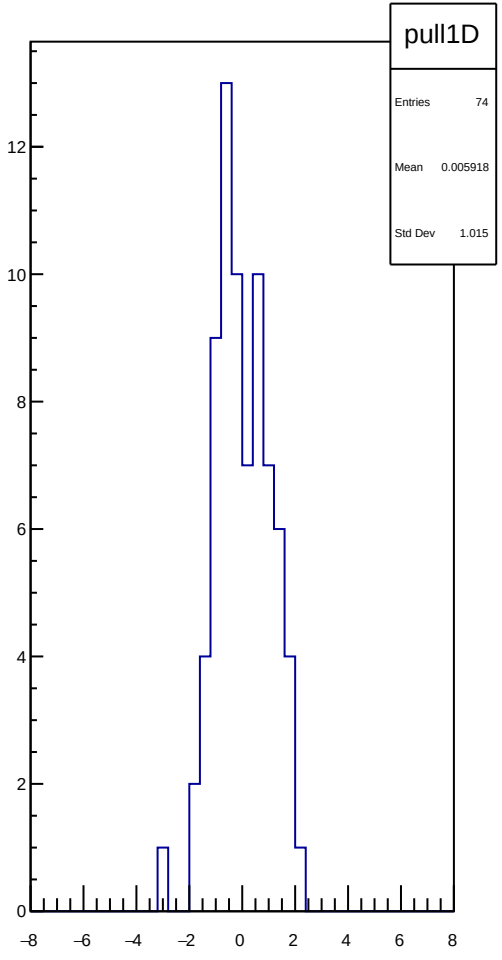

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3540 / 73
p0 507 ± 0.4097
580
560
540
520
500
480
460

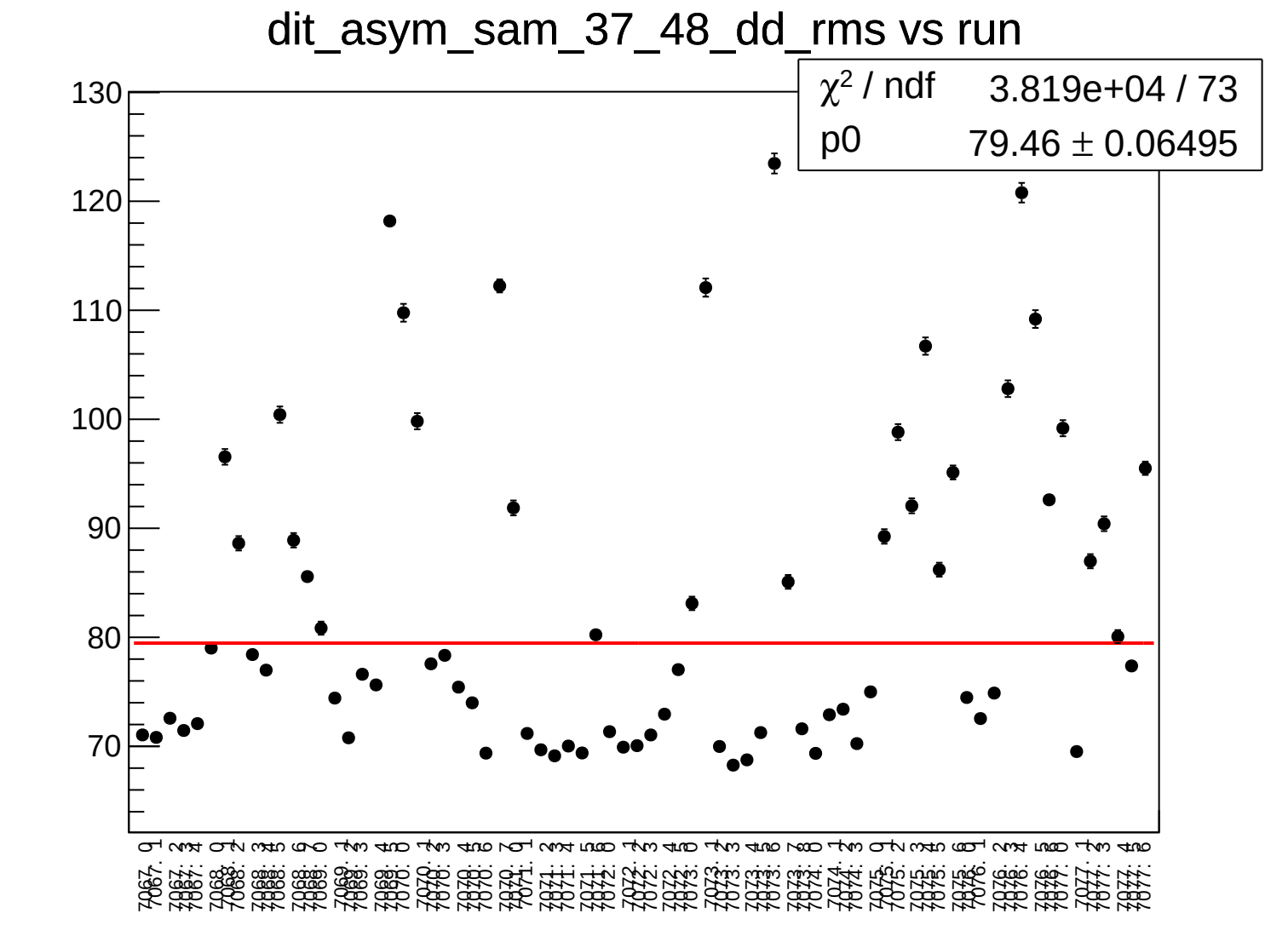

asym_sam_15_48_dd_mean vs run
χ² / ndf 98.29 / 73
p0 276.2 ± 584.6
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −733.7
Std Dev 778.7
2
1
0
−1
−2
−3

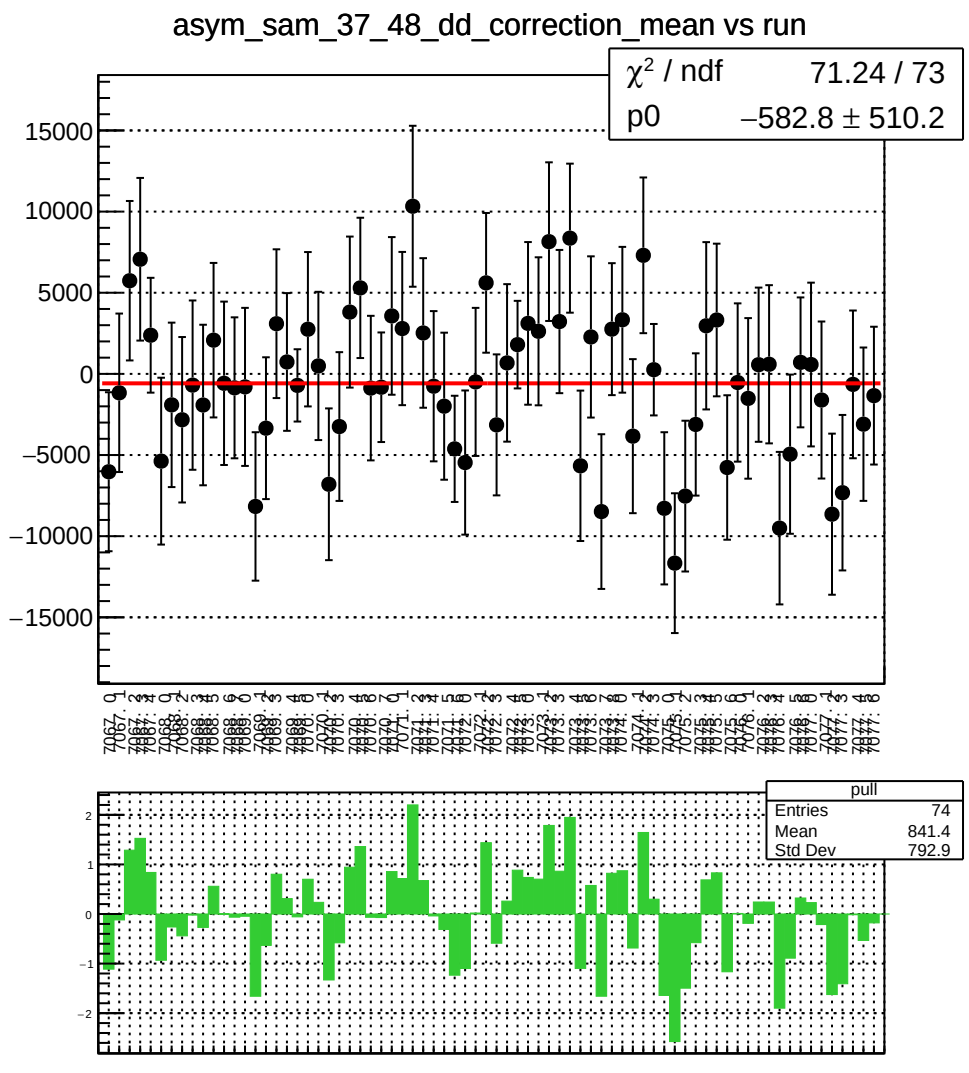

pull1D
Entries 74
Mean −0.007666
Std Dev 1.152
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

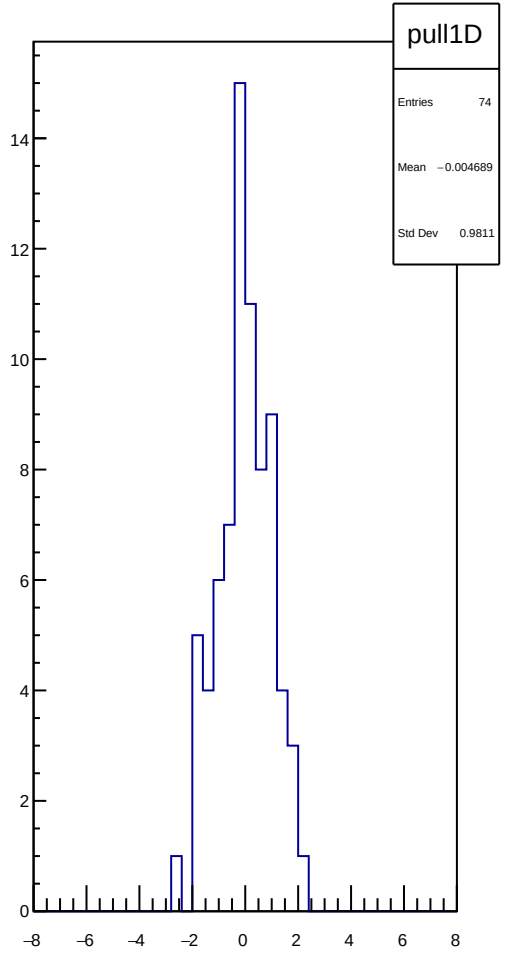

asym_sam_15_48_dd_rms vs run
χ² / ndf 5124 / 73
p0 511.3 ± 0.4134
620
600
580
560
540
520
500
480
460
440

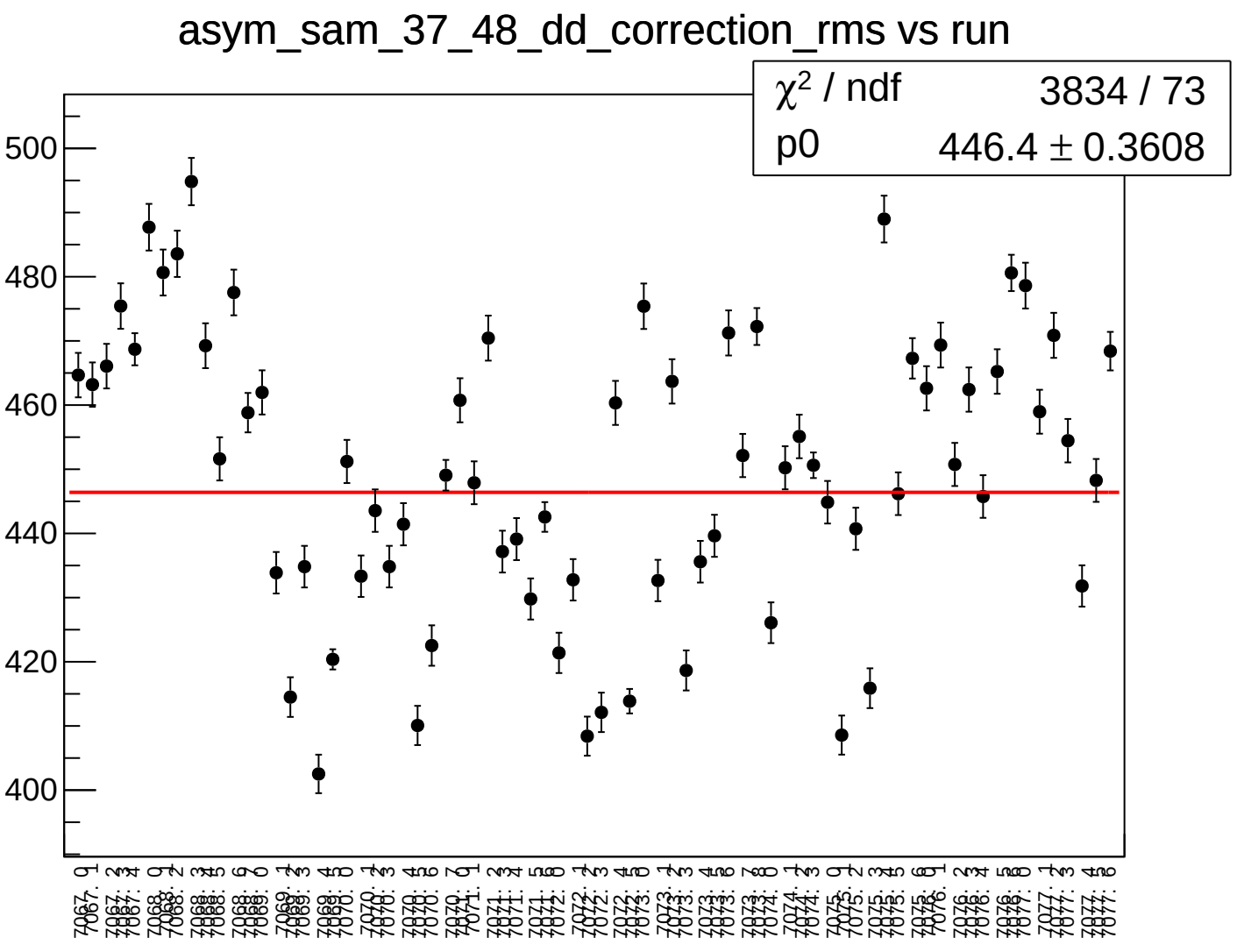

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 76.27 / 73
p0 40.09 ± 91.85
pull
Entries 74
Mean 193.6
Std Dev 186.5

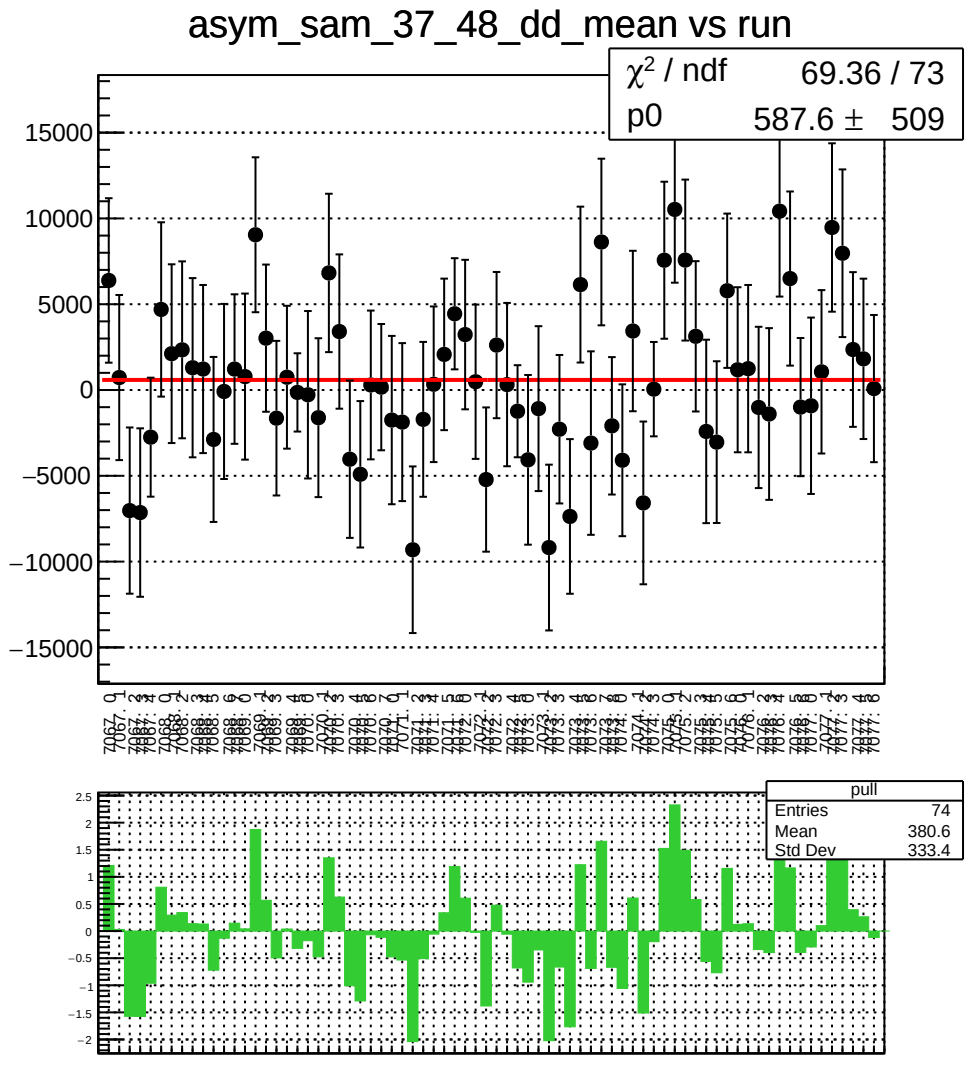

pull1D
Entries 74
Mean 0.005918
Std Dev 1.015

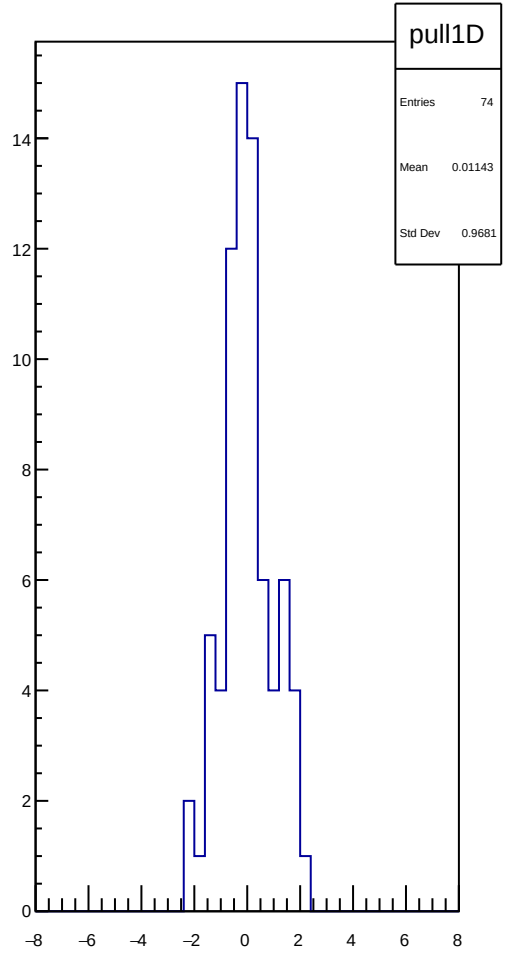

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 3.819e+04 / 73
p0 79.46 ± 0.06495
130
120
110
100
90
80
70

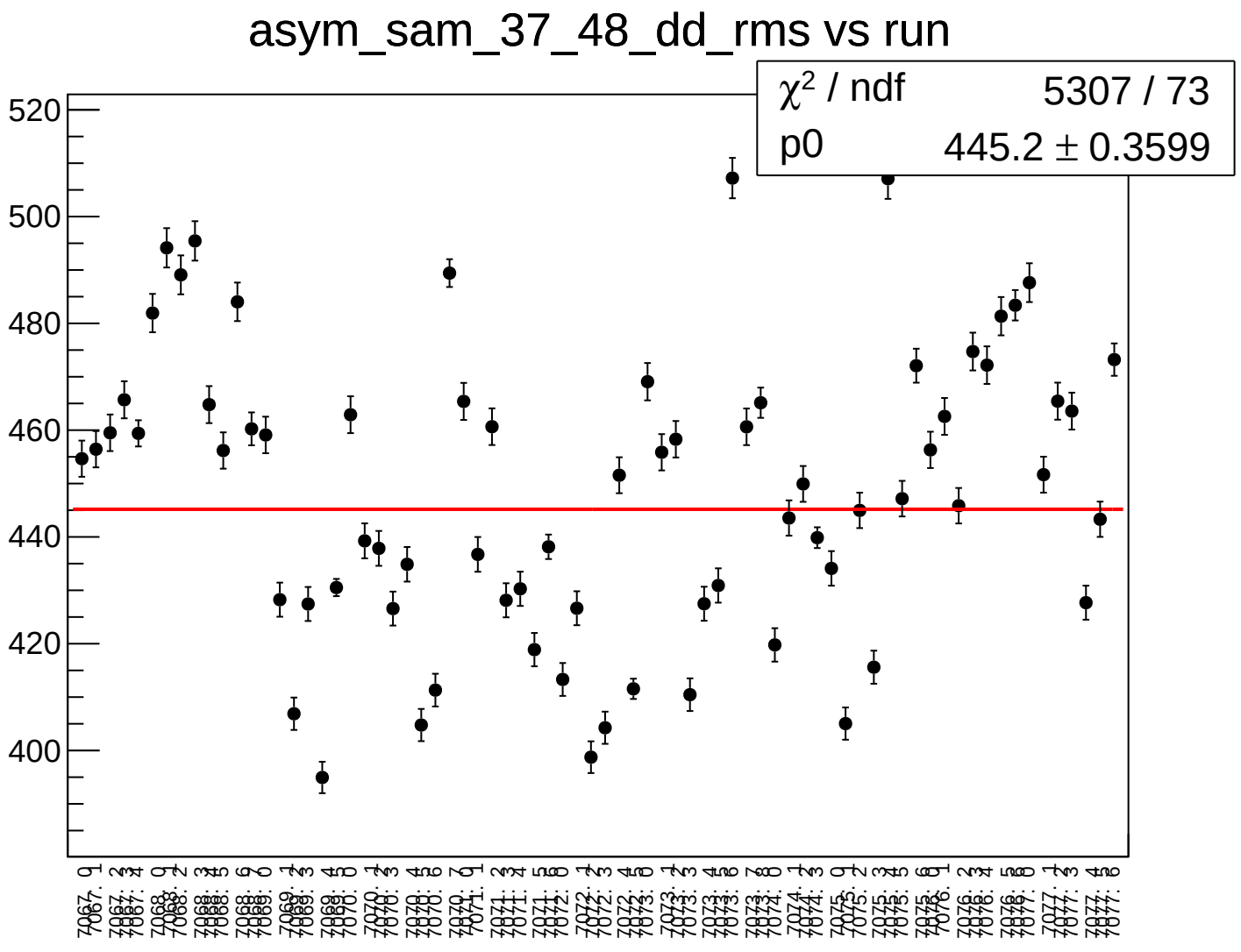

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 71.24 / 73
p0 −582.8 ± 510.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 841.4
Std Dev 792.9
2
1
0
−1
−2

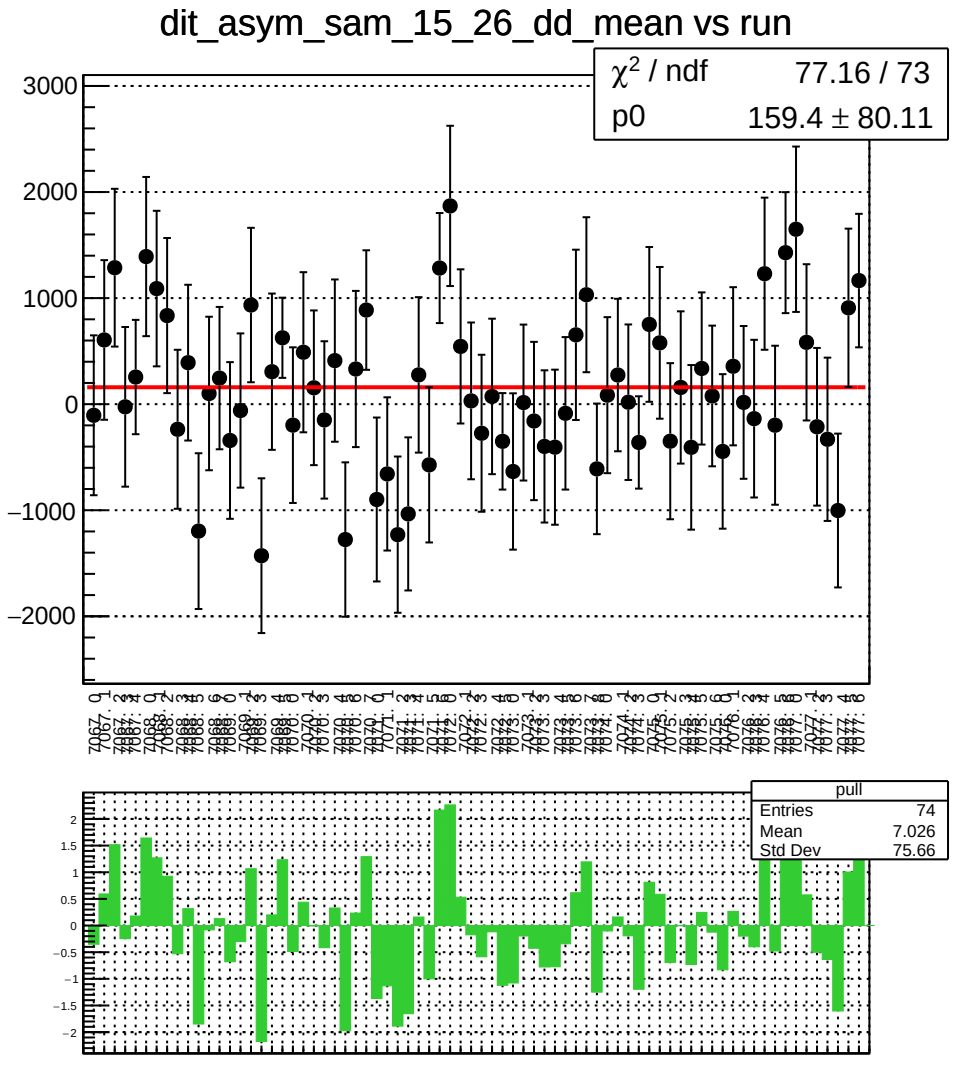

pull1D
Entries 74
Mean −0.004689
Std Dev 0.9811
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

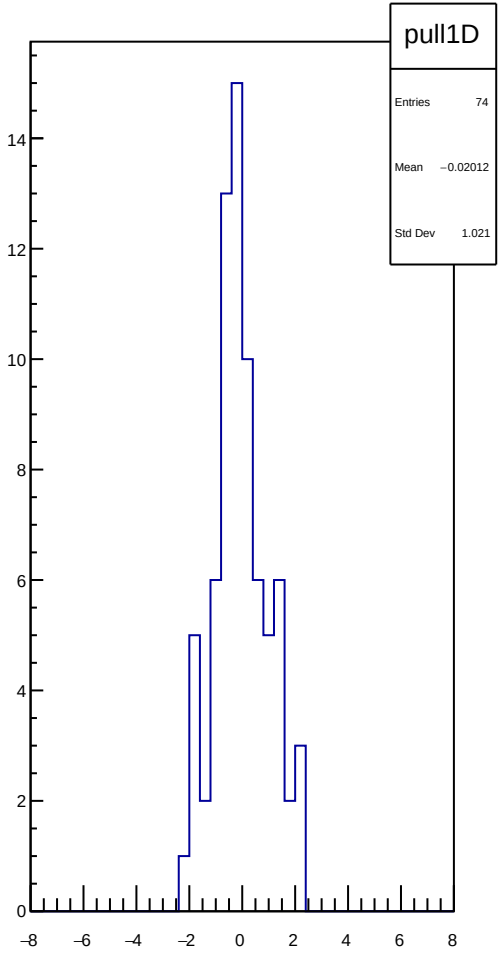

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3834 / 73
p0 446.4 ± 0.3608
500
480
460
440
420
400

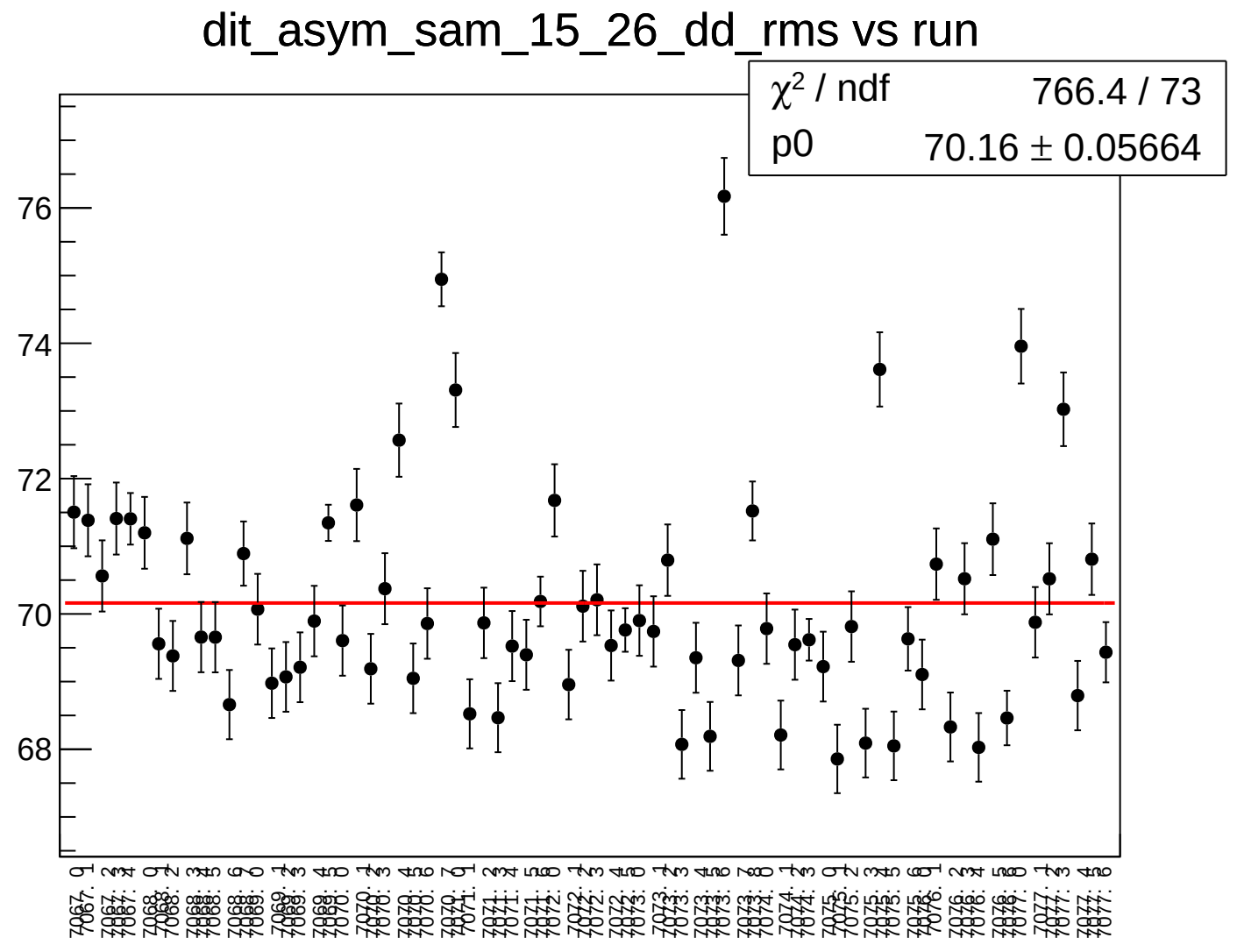

asym_sam_37_48_dd_mean vs run
χ² / ndf 69.36 / 73
p0 587.6 ± 509
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 380.6
Std Dev 333.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

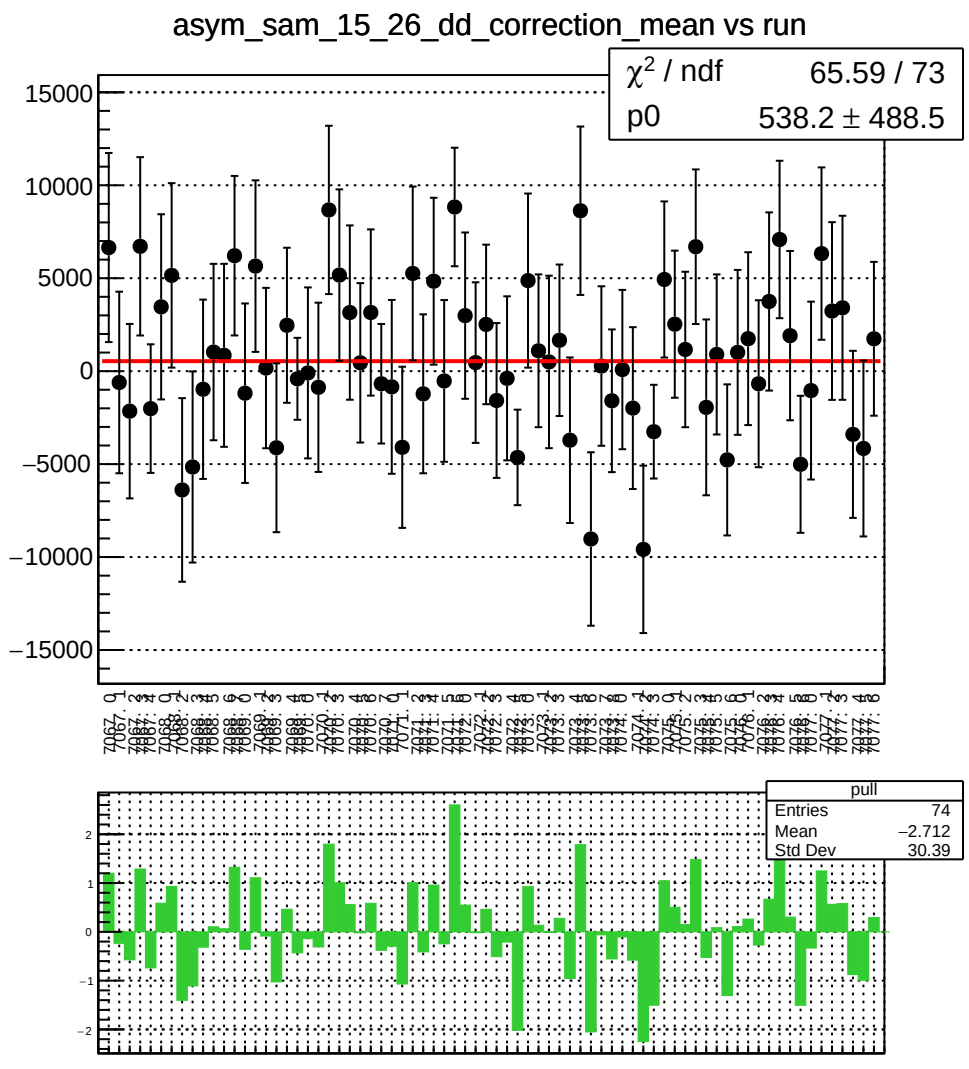

pull1D
Entries 74
Mean 0.01143
Std Dev 0.9681
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

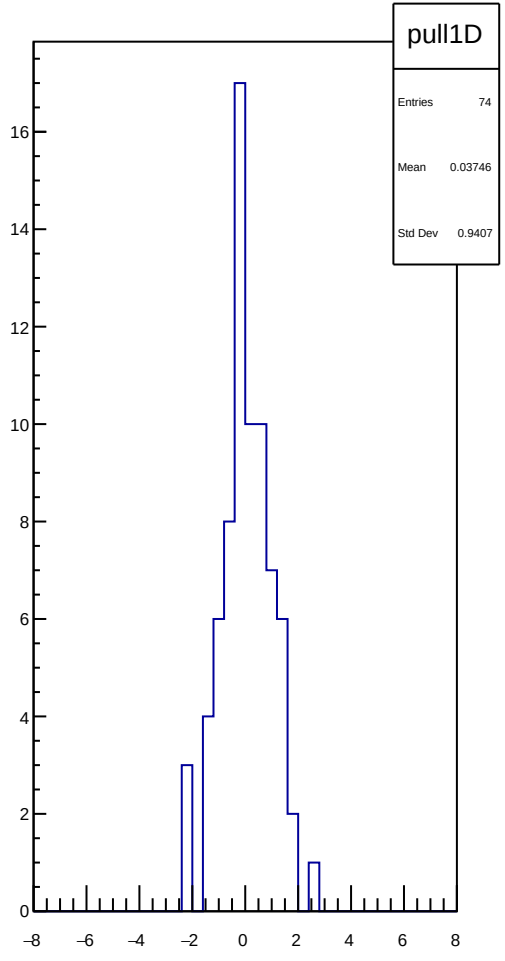

asym_sam_37_48_dd_rms vs run
χ² / ndf 5307 / 73
p0 445.2 ± 0.3599
520
500
480
460
440
420
400

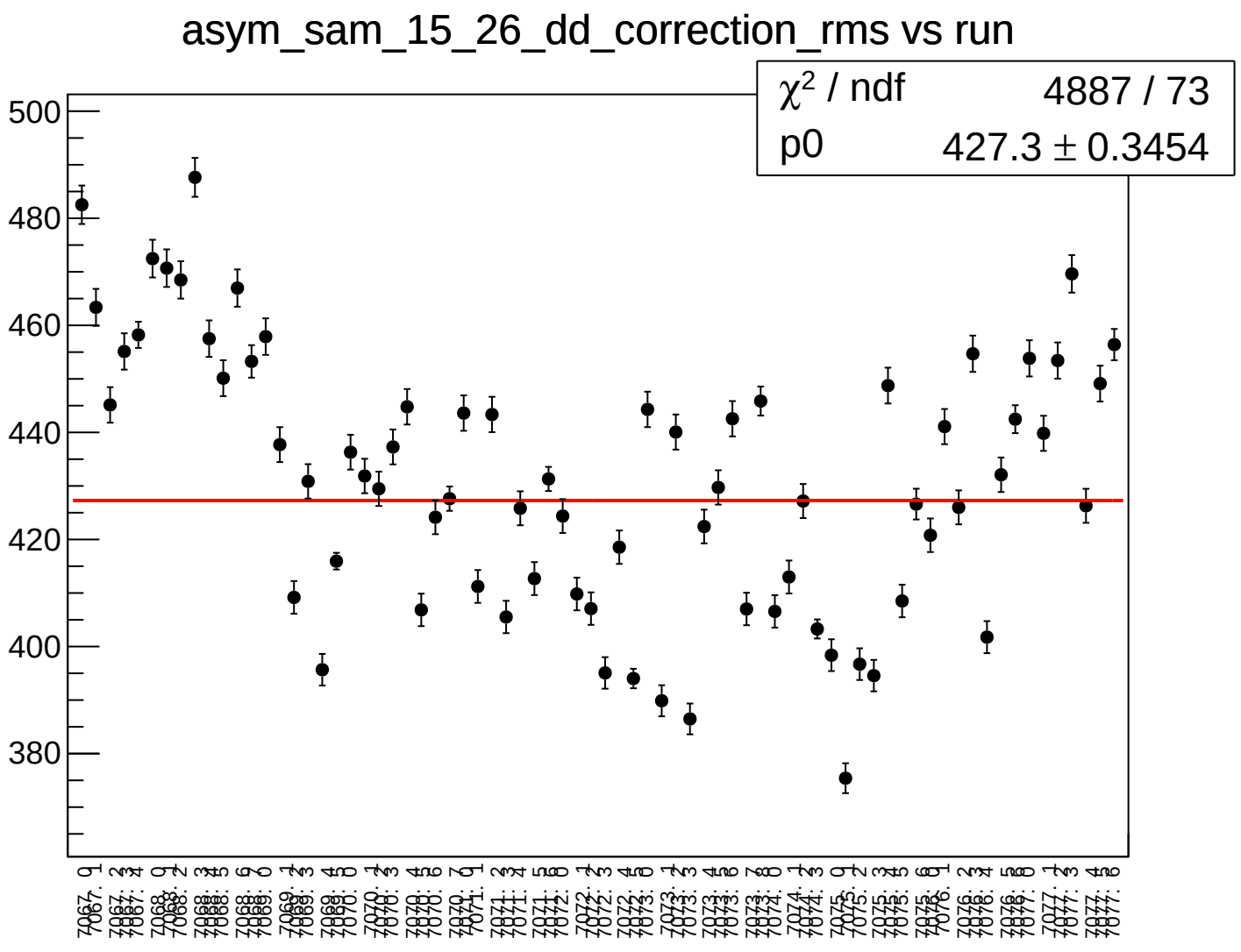

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 77.16 / 73
p0 159.4 ± 80.11
pull
Entries 74
Mean 7.026
Std Dev 75.66

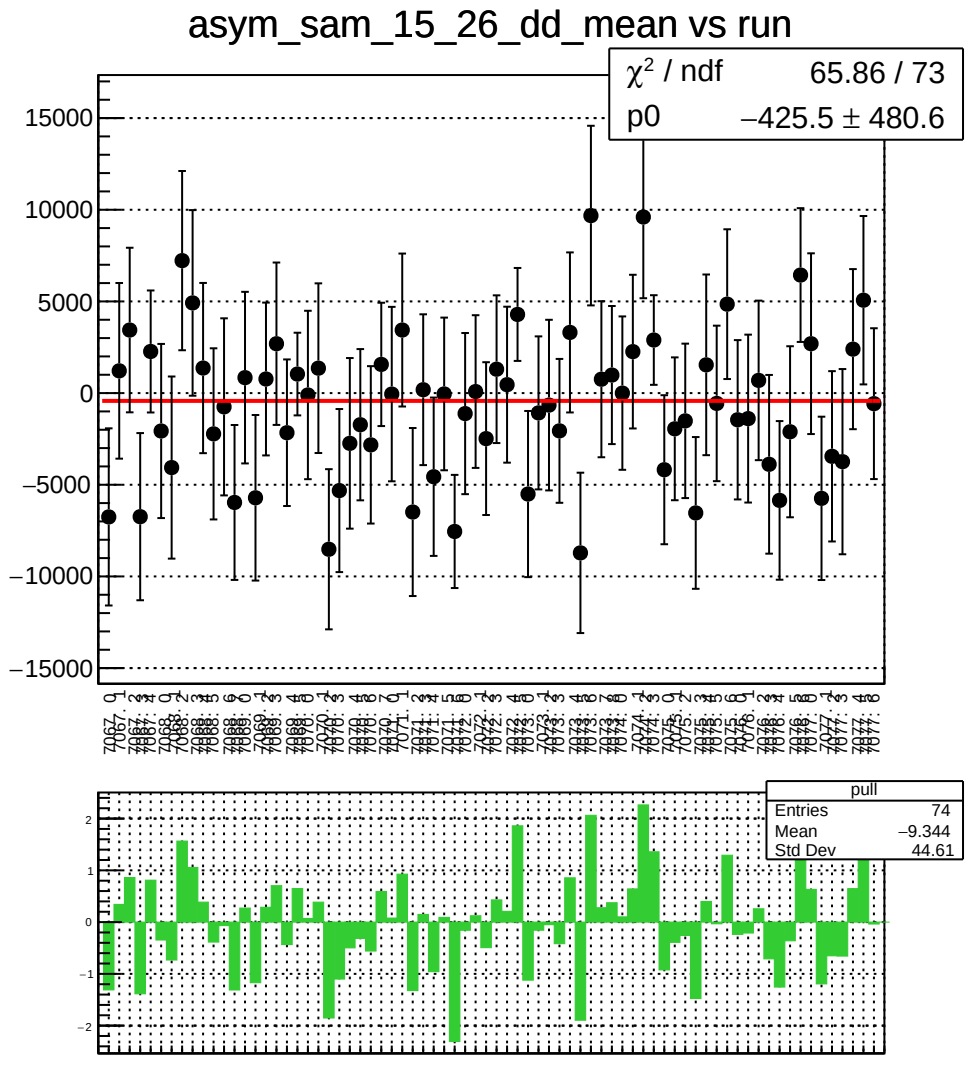

pull1D
Entries 74
Mean −0.02012
Std Dev 1.021

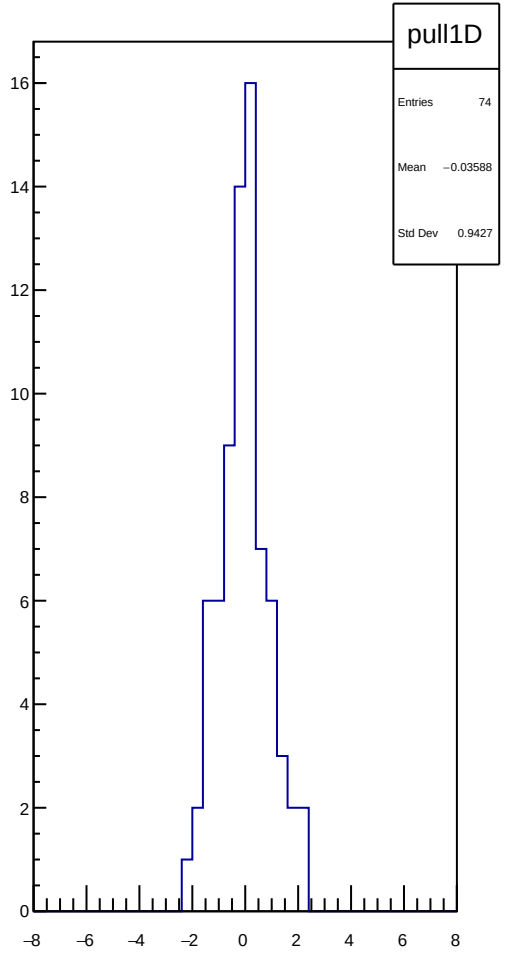

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 766.4 / 73
p0 70.16 ± 0.05664
76
74
72
70
68

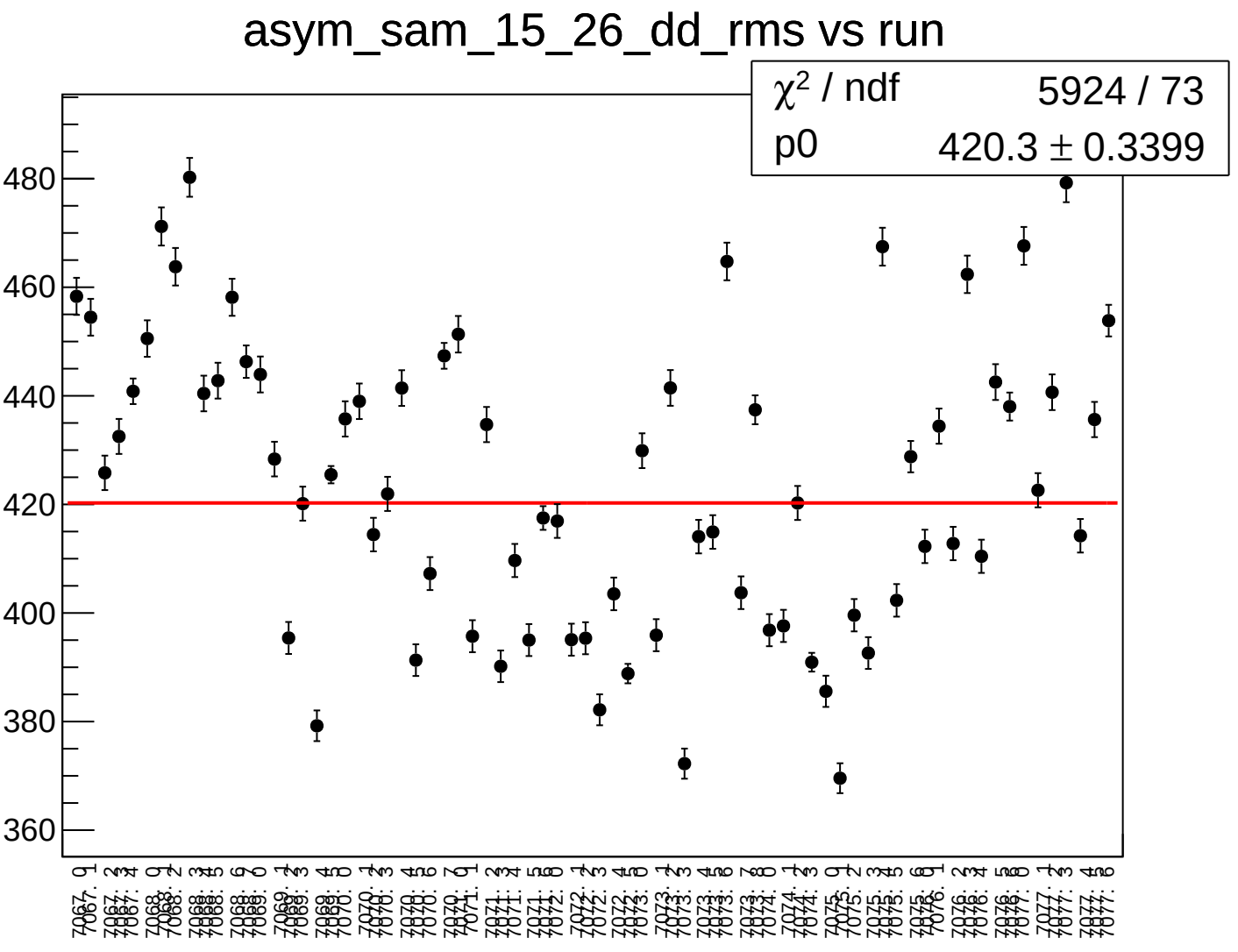

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 65.59 / 73
p0 538.2 ± 488.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −2.712
Std Dev 30.39
2
1
0
−1
−2

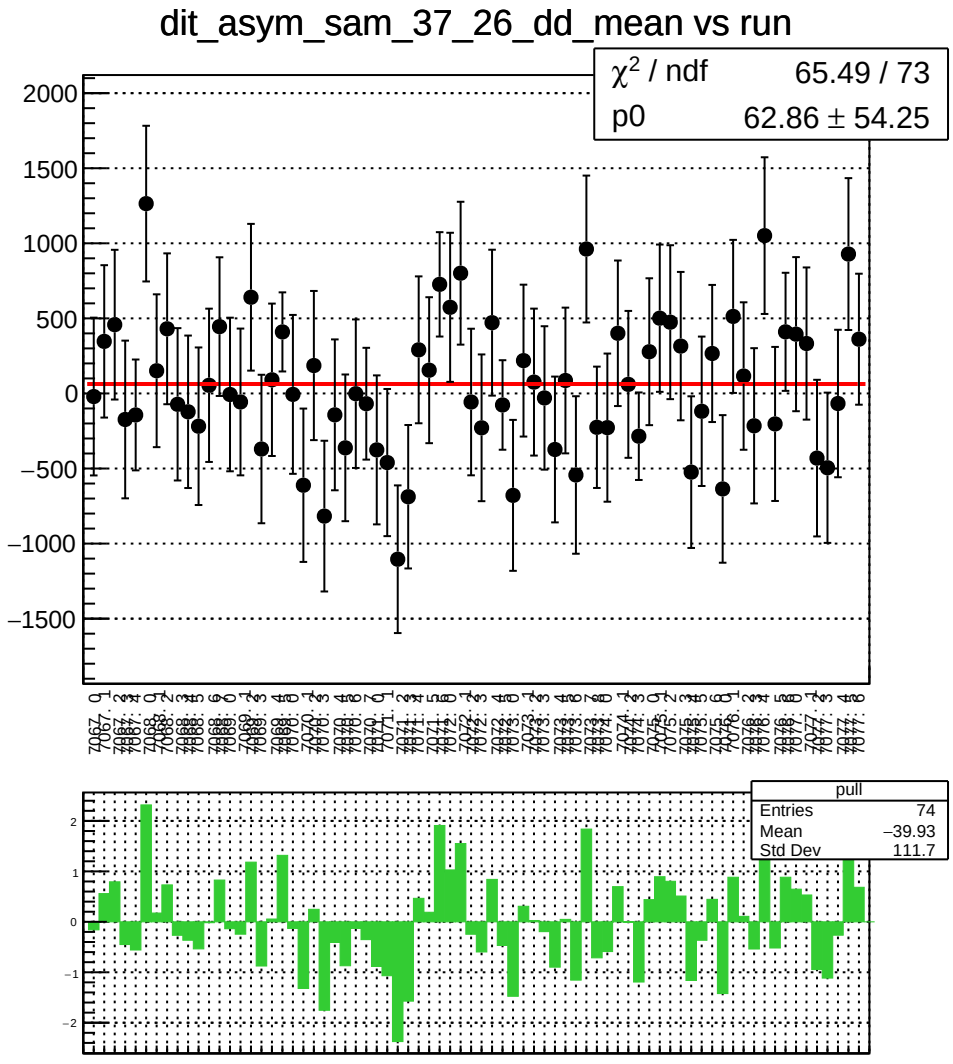

pull1D
Entries 74
Mean 0.03746
Std Dev 0.9407
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

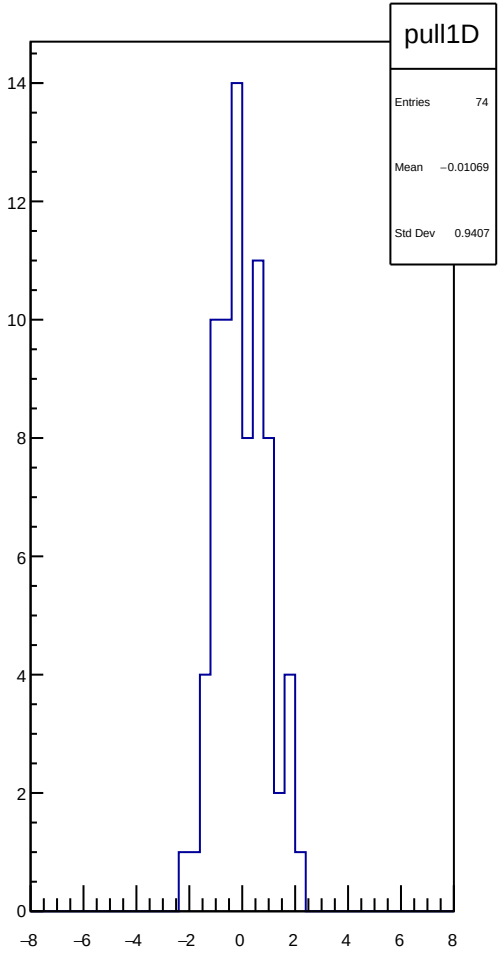

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4887 / 73
p0 427.3 ± 0.3454
500
480
460
440
420
400
380

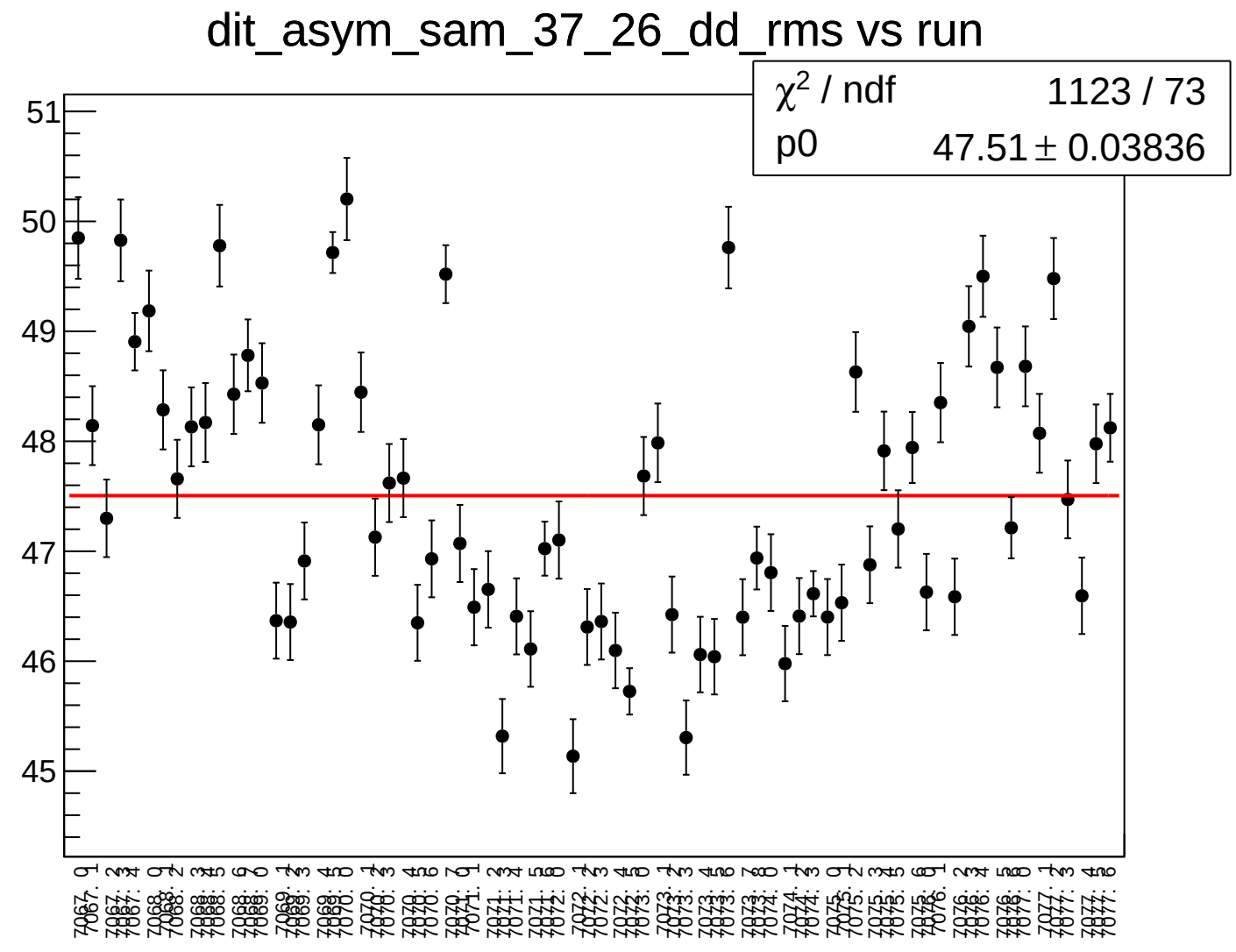

asym_sam_15_26_dd_mean vs run
χ² / ndf 65.86 / 73
p0 −425.5 ± 480.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −9.344
Std Dev 44.61
2
1
0
−1
−2

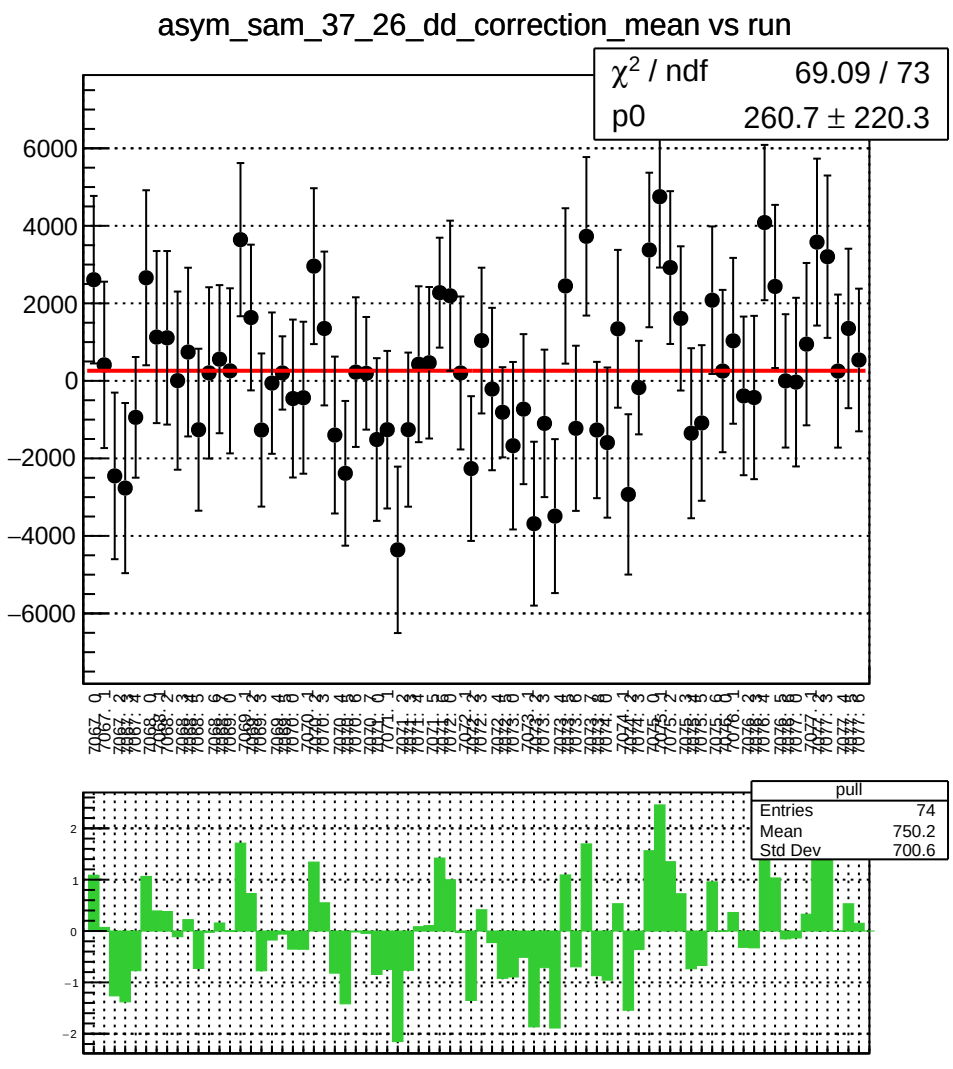

pull1D
Entries 74
Mean −0.03588
Std Dev 0.9427
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

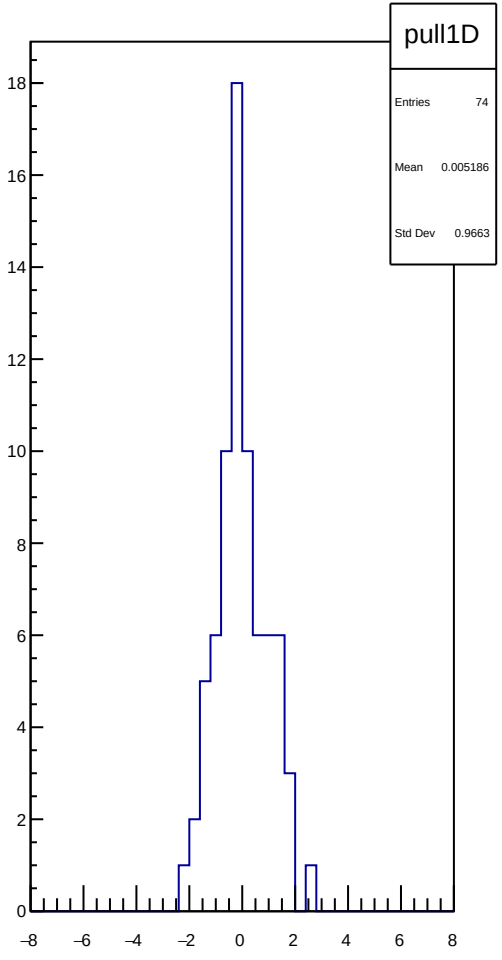

asym_sam_15_26_dd_rms vs run
χ² / ndf 5924 / 73
p0 420.3 ± 0.3399
480
460
440
420
400
380
360

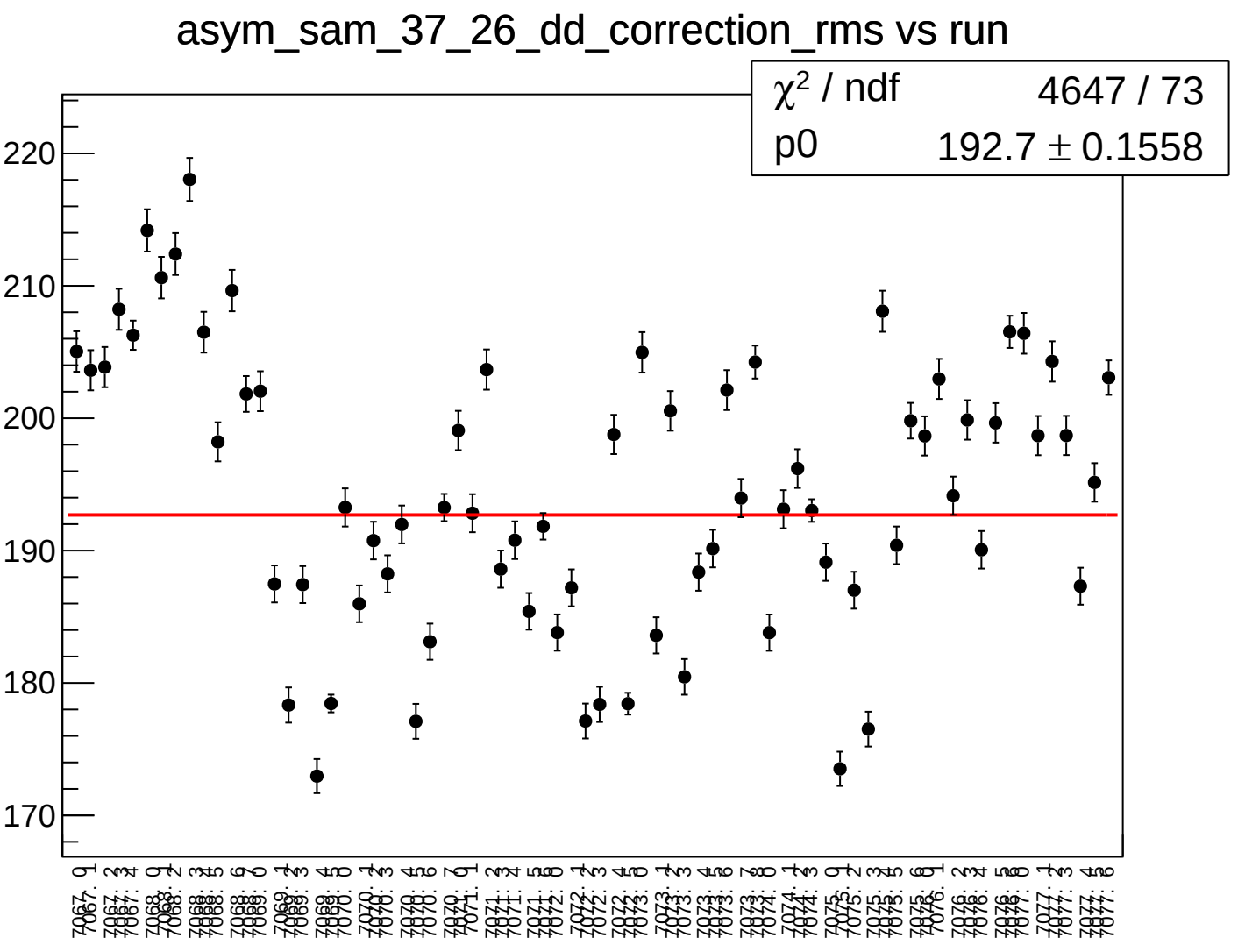

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 65.49 / 73
p0 62.86 ± 54.25
pull
Entries 74
Mean −39.93
Std Dev 111.7

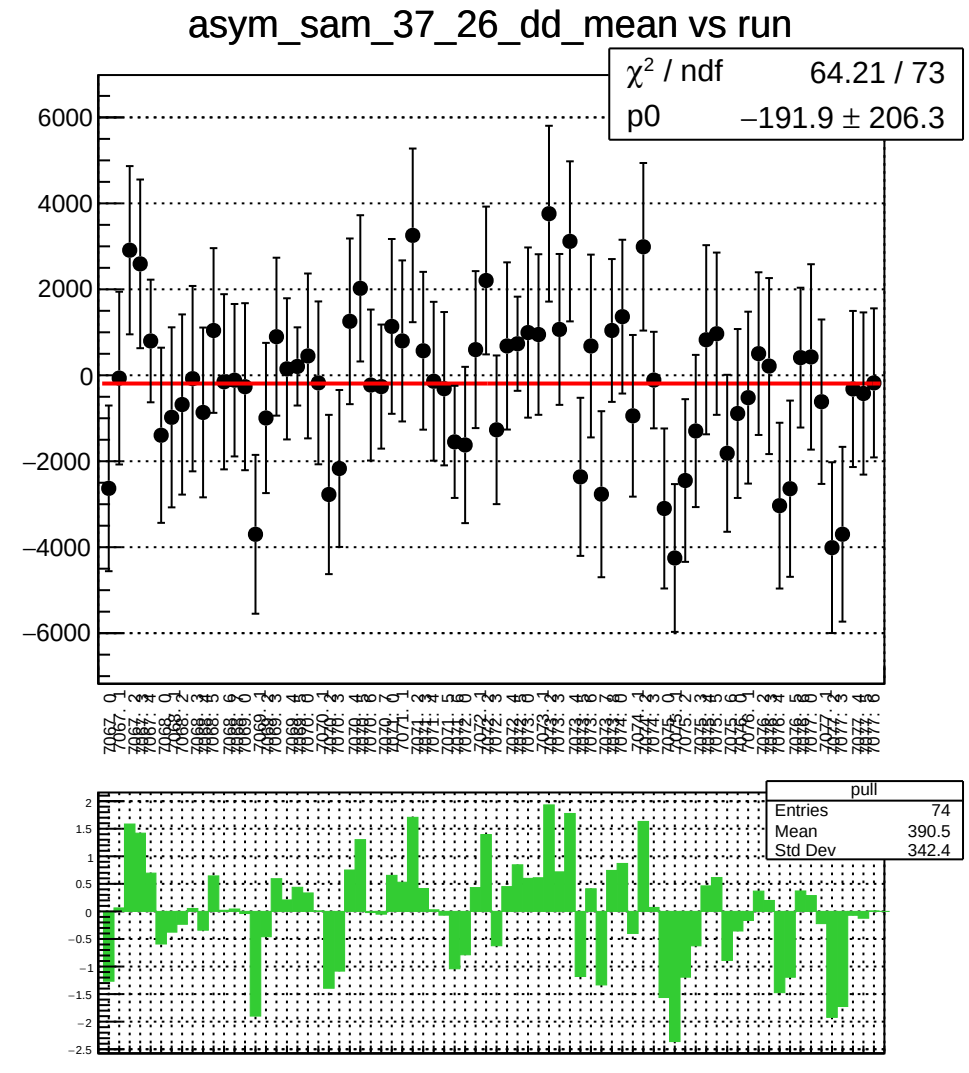

pull1D
Entries 74
Mean −0.01069
Std Dev 0.9407

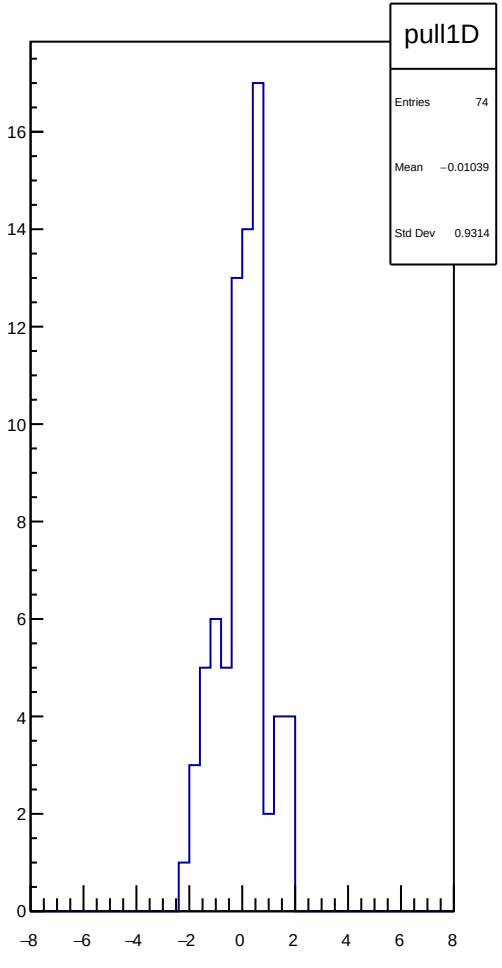

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1123 / 73
p0 47.51 ± 0.03836
51
50
49
48
47
46
45

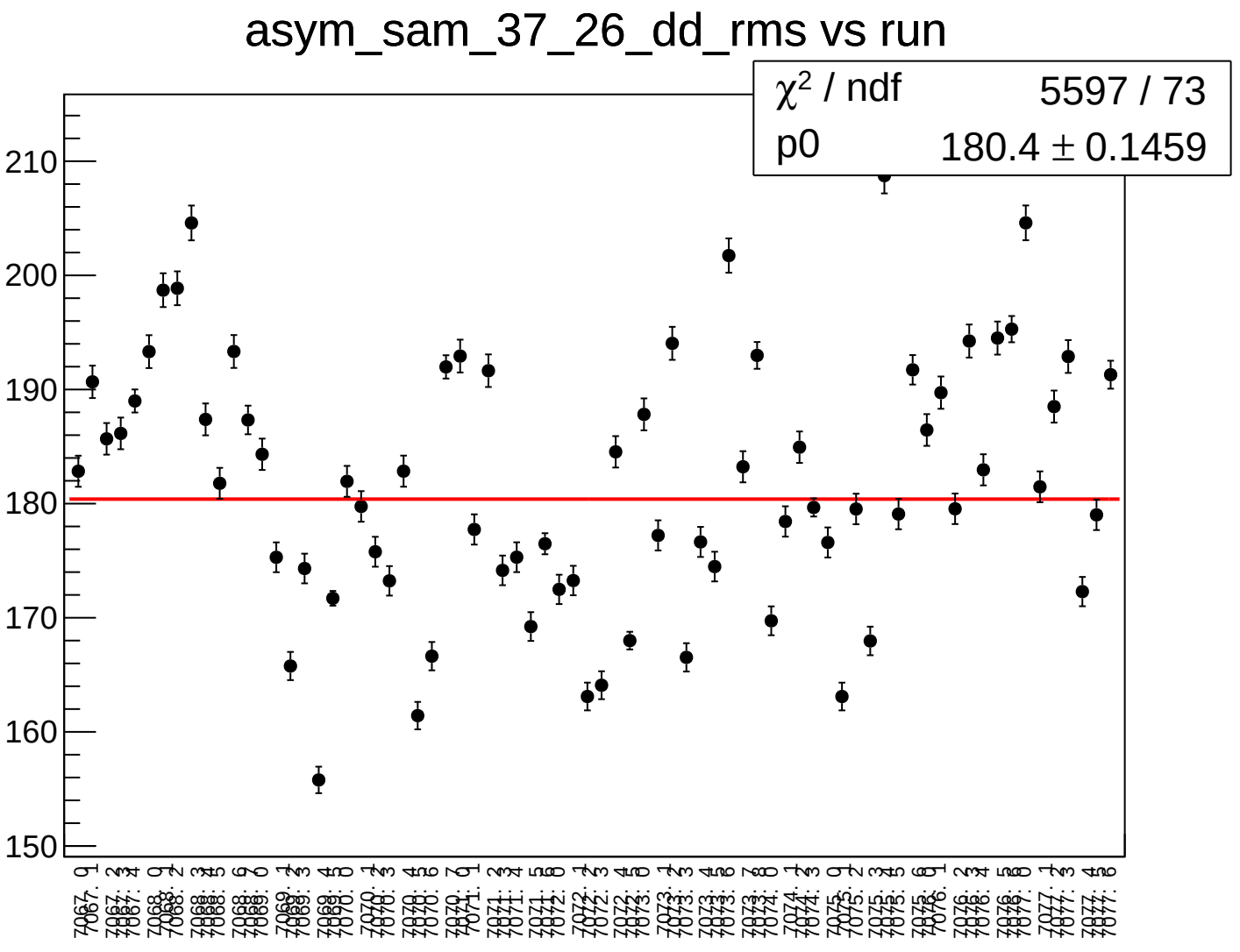

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 69.09 / 73
p0 260.7 ± 220.3
pull
Entries 74
Mean 750.2
Std Dev 700.6

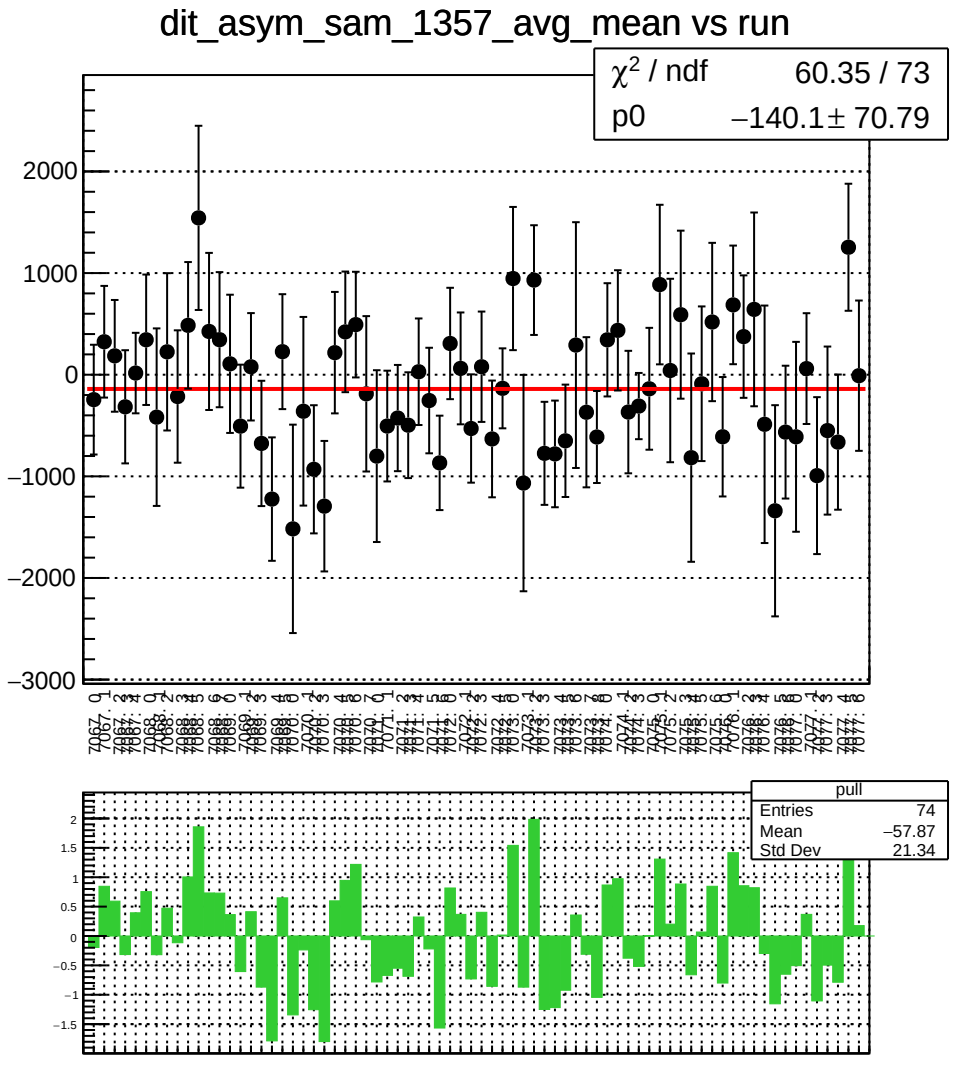

pull1D
Entries 74
Mean 0.005186
Std Dev 0.9663

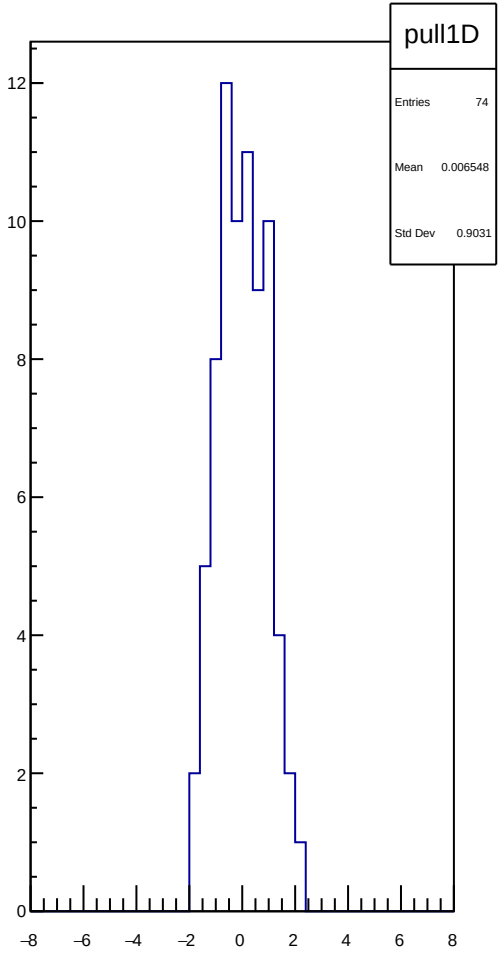

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 4647 / 73
p0 192.7 ± 0.1558
220
210
200
190
180
170

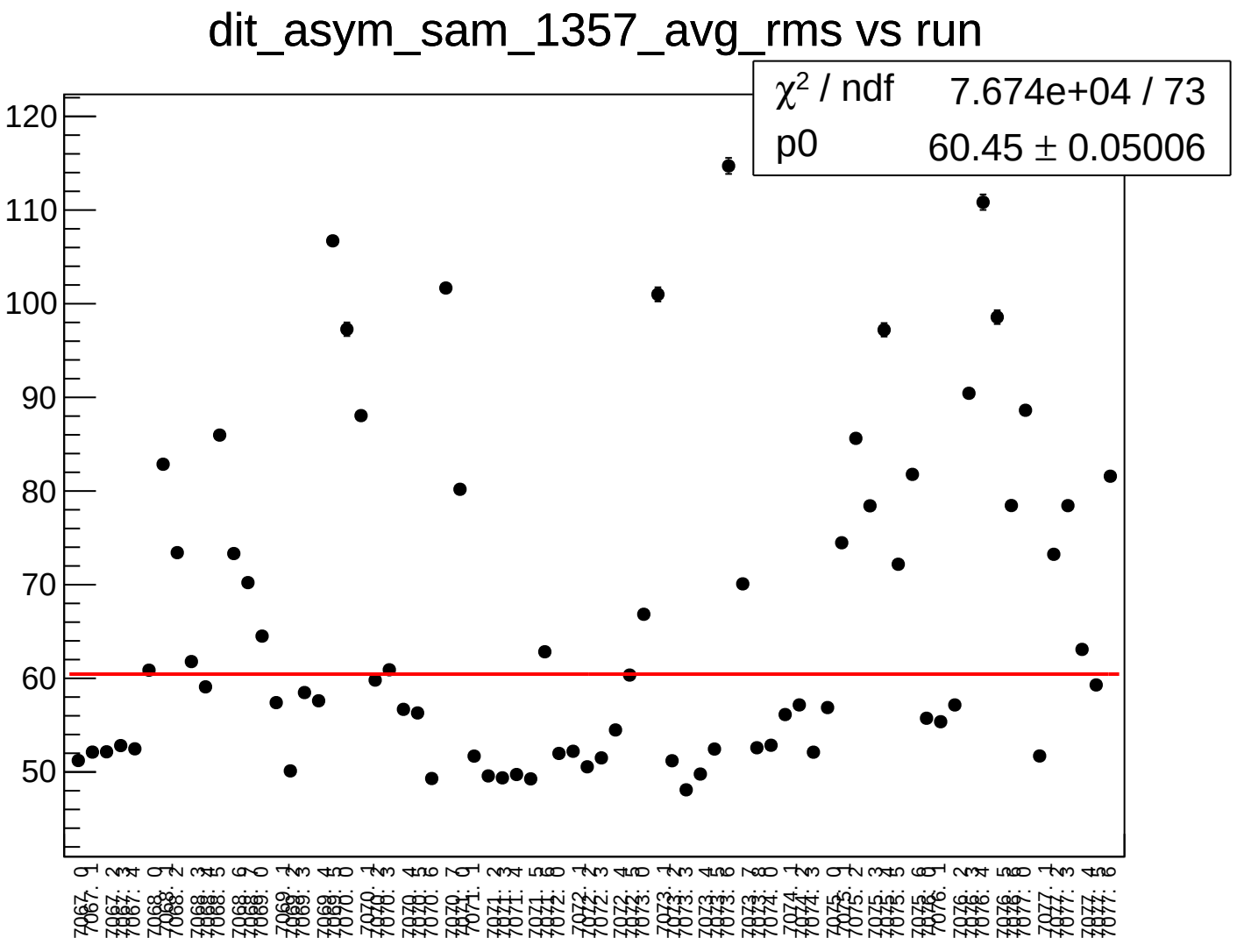

asym_sam_37_26_dd_mean vs run
χ² / ndf 64.21 / 73
p0 −191.9 ± 206.3
pull
Entries 74
Mean 390.5
Std Dev 342.4

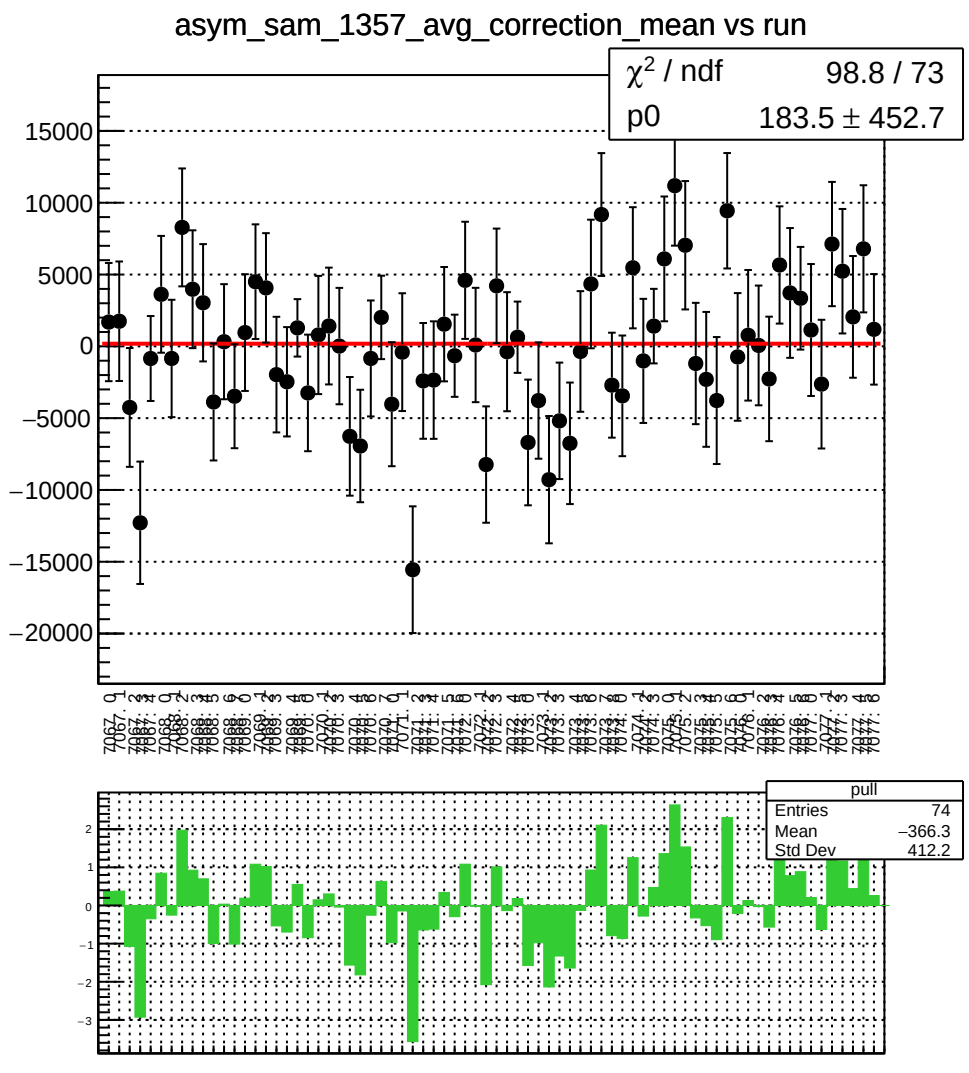

pull1D
Entries 74
Mean −0.01039
Std Dev 0.9314

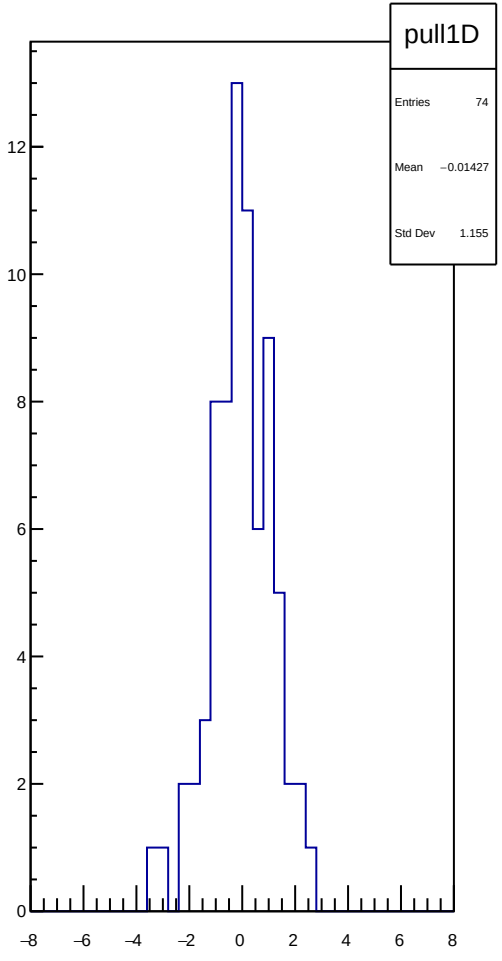

asym_sam_37_26_dd_rms vs run
χ² / ndf 5597 / 73
p0 180.4 ± 0.1459
210
200
190
180
170
160
150

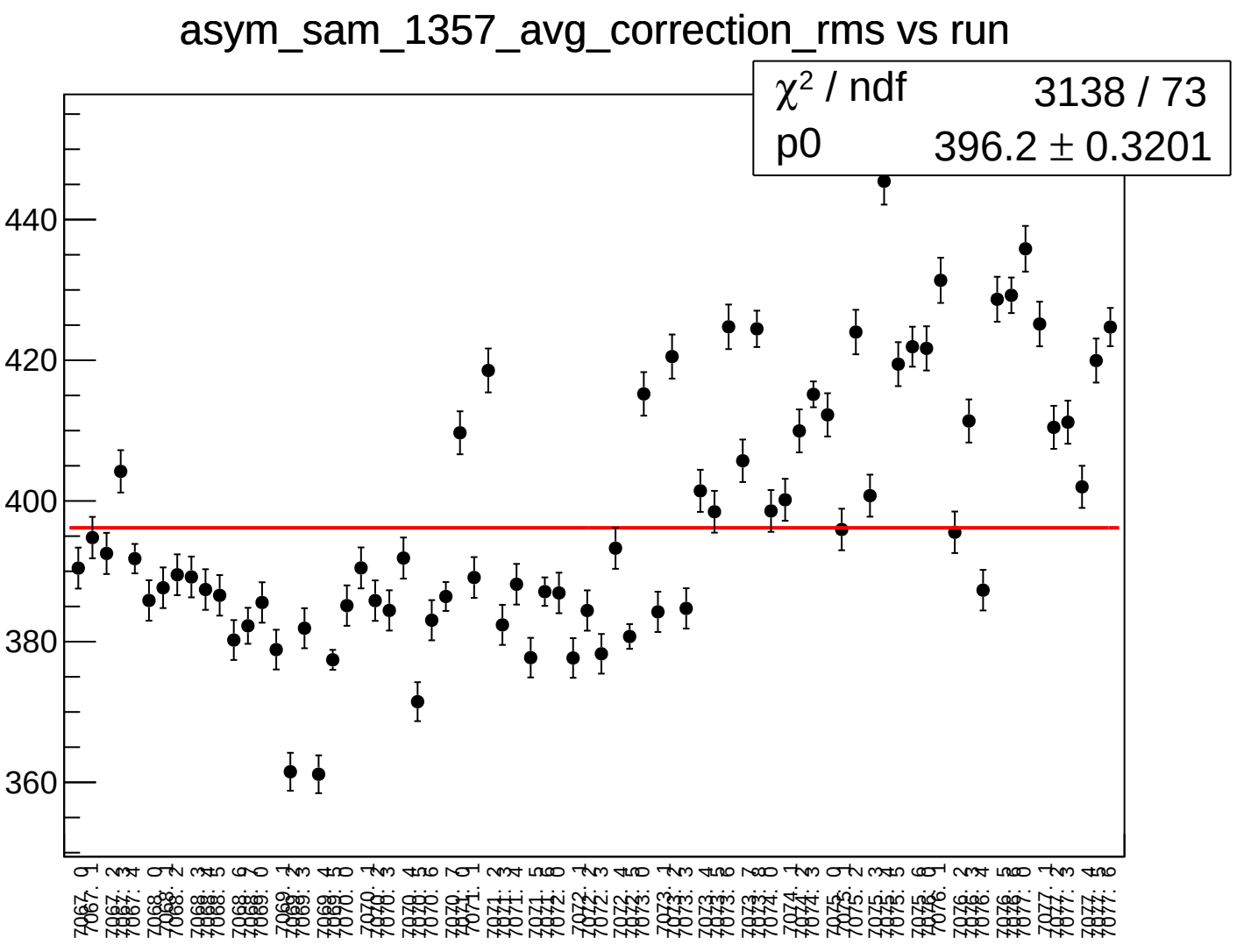

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 60.35 / 73
p0 −140.1± 70.79
pull
Entries 74
Mean −57.87
Std Dev 21.34

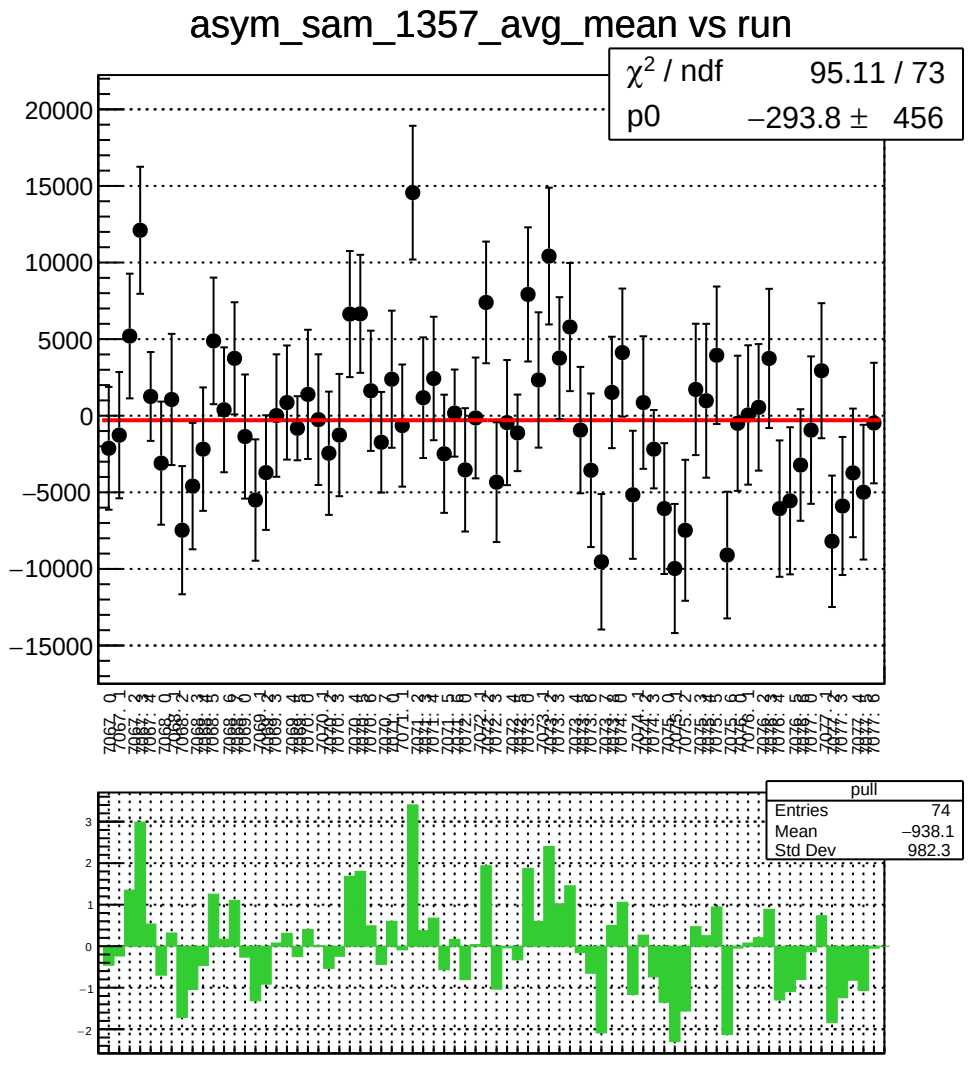

pull1D
Entries 74
Mean 0.006548
Std Dev 0.9031

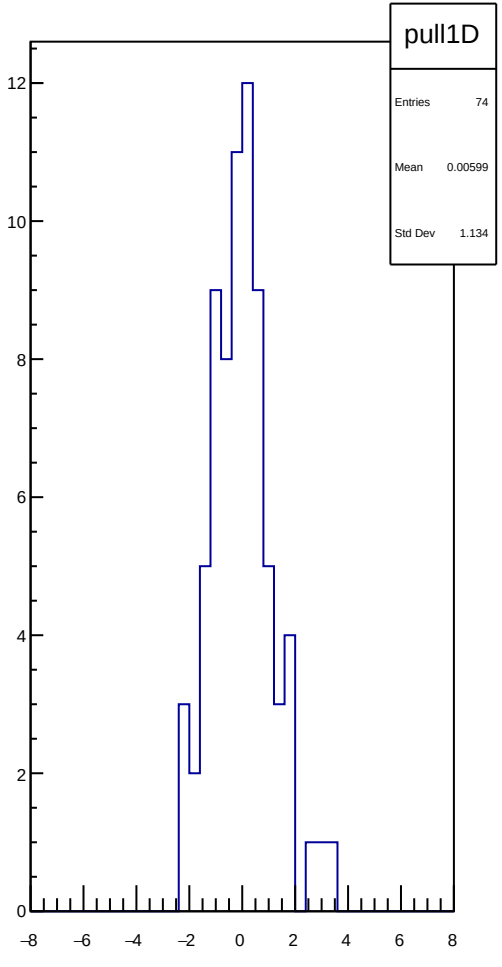

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 7.674e+04 / 73
p0 60.45 ± 0.05006
120
110
100
90
80
70
60
50

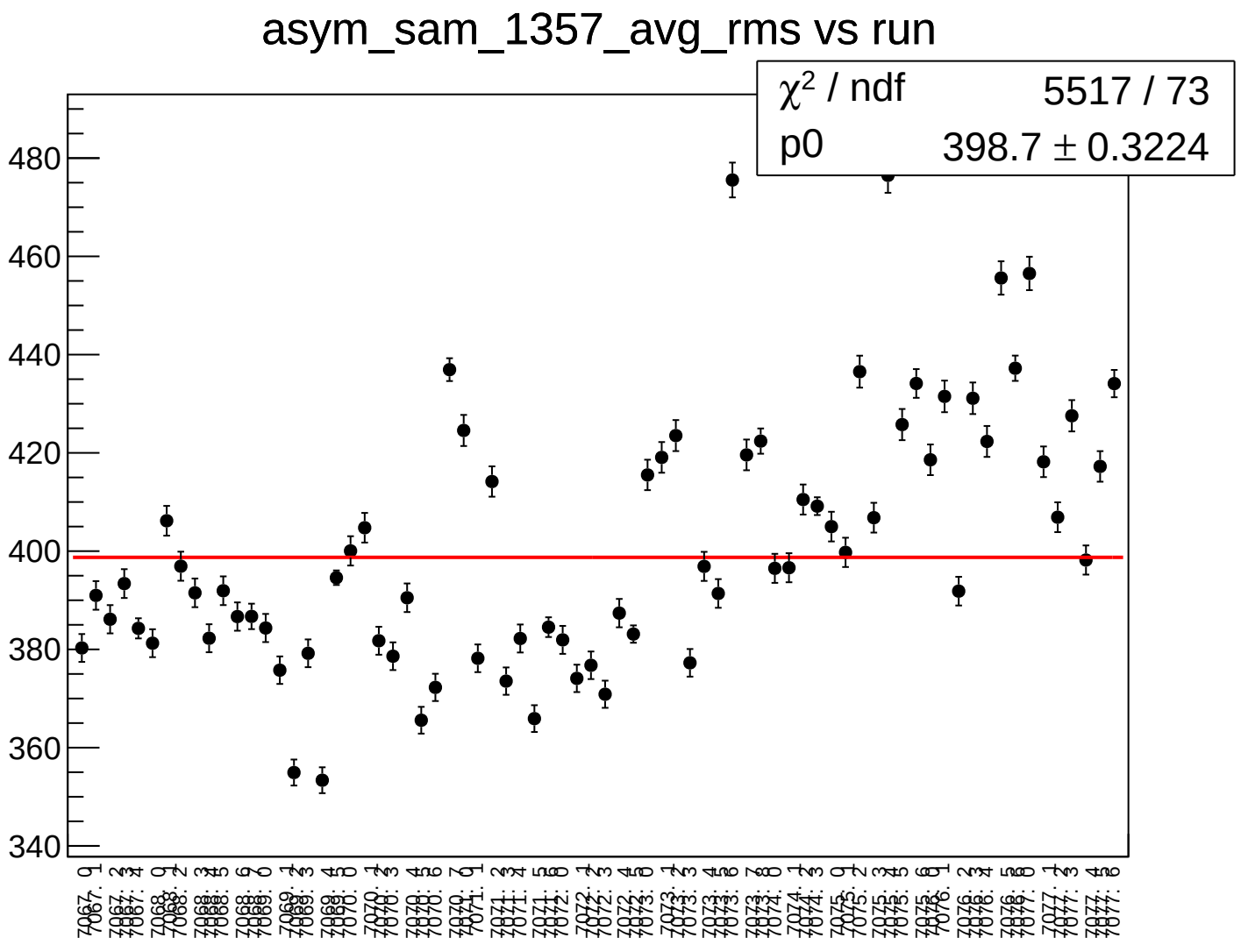

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 98.8 / 73
p0 183.5 ± 452.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 74
Mean −366.3
Std Dev 412.2
2
1
0
−1
−2
−3

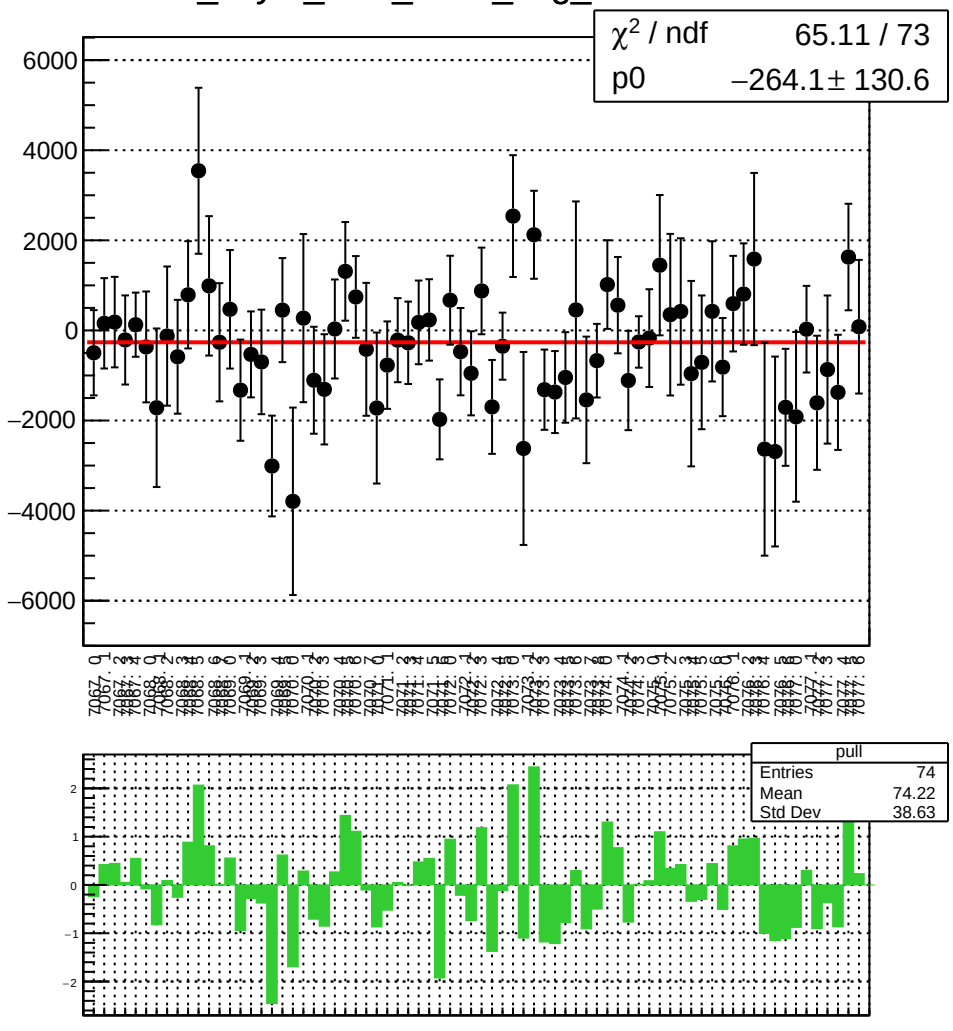

pull1D
Entries 74
Mean −0.01427
Std Dev 1.155
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

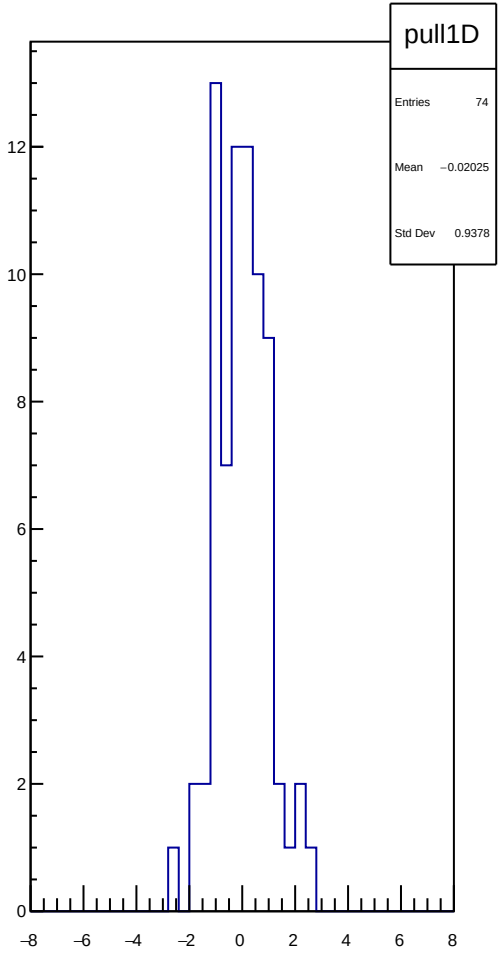

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3138 / 73
p0 396.2 ± 0.3201
440
420
400
380
360

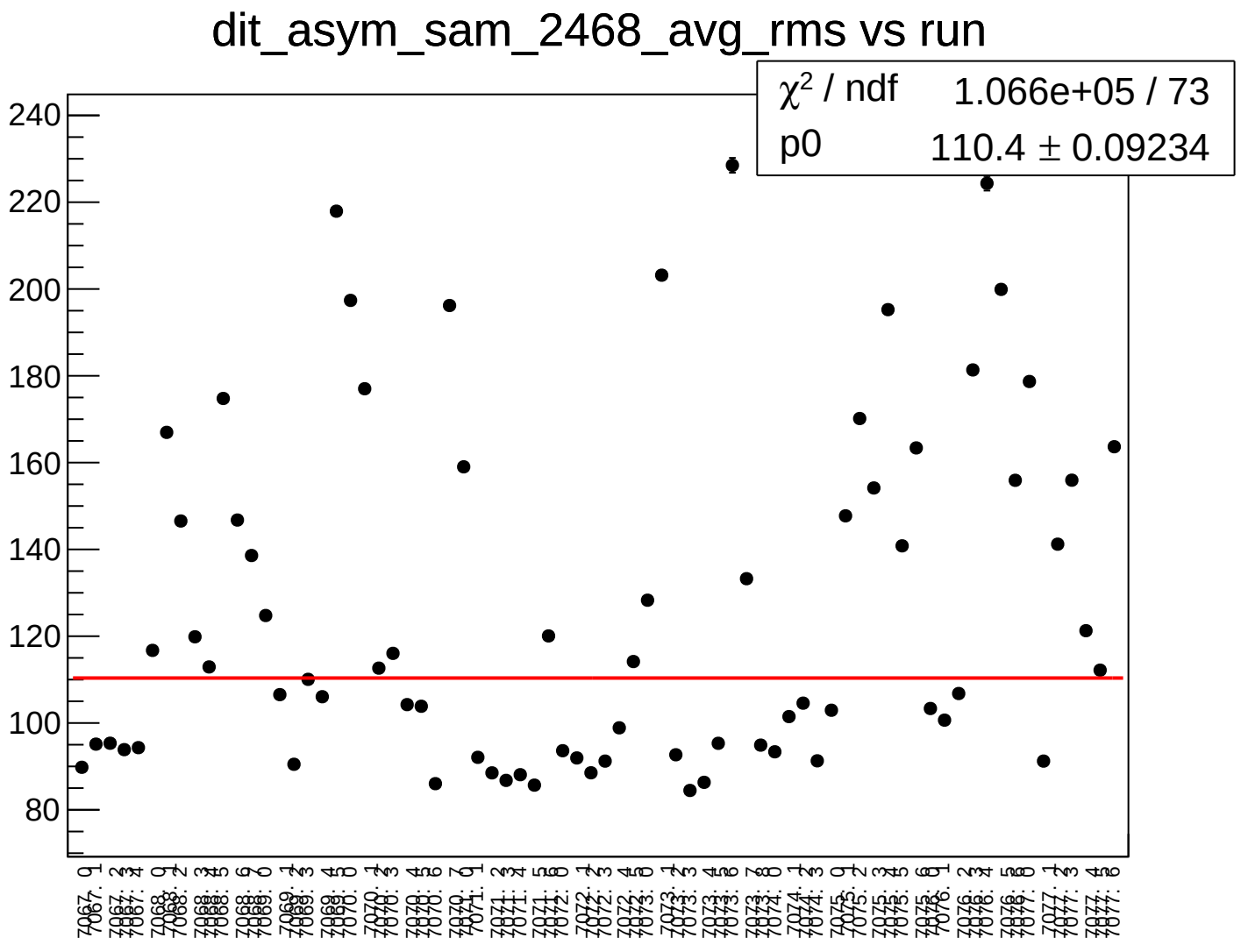

asym_sam_1357_avg_mean vs run
χ² / ndf 95.11 / 73
p0 −293.8 ± 456
pull
Entries 74
Mean −938.1
Std Dev 982.3

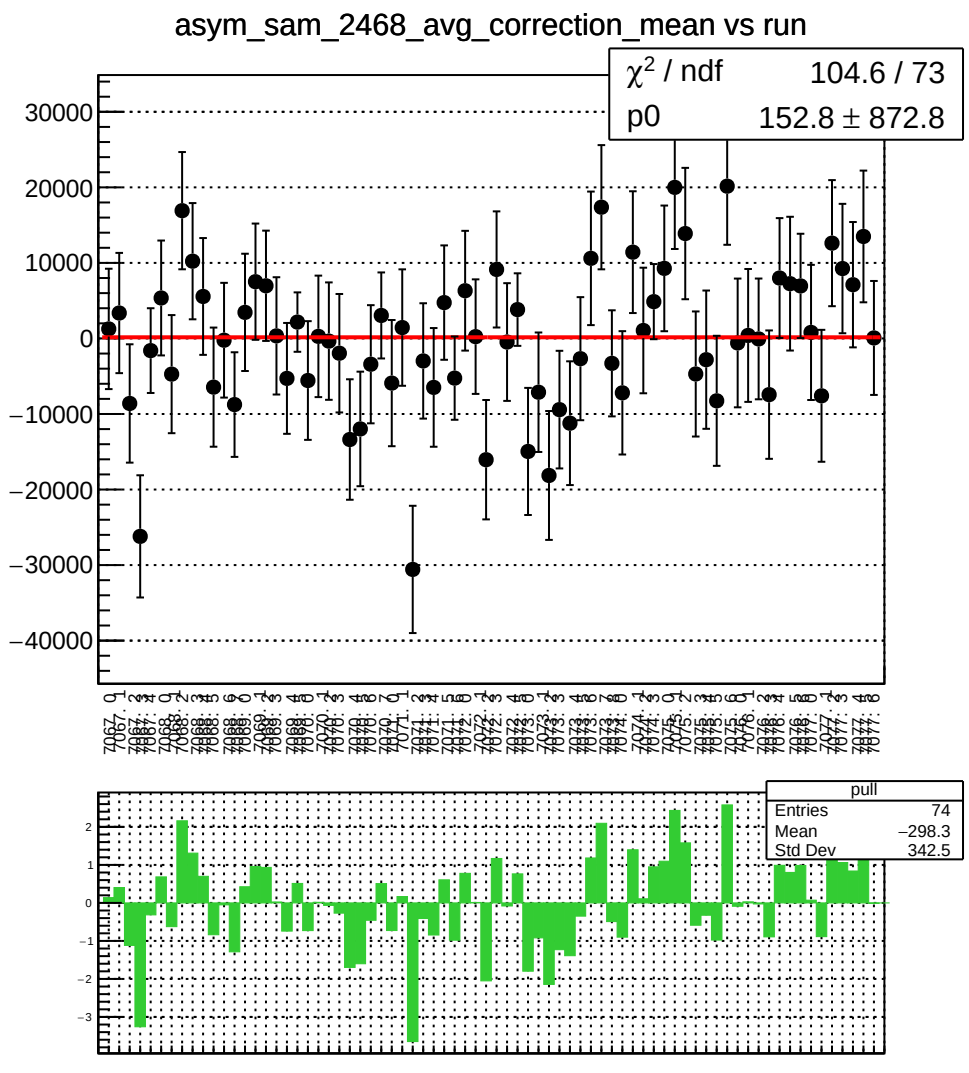

pull1D
Entries 74
Mean 0.00599
Std Dev 1.134

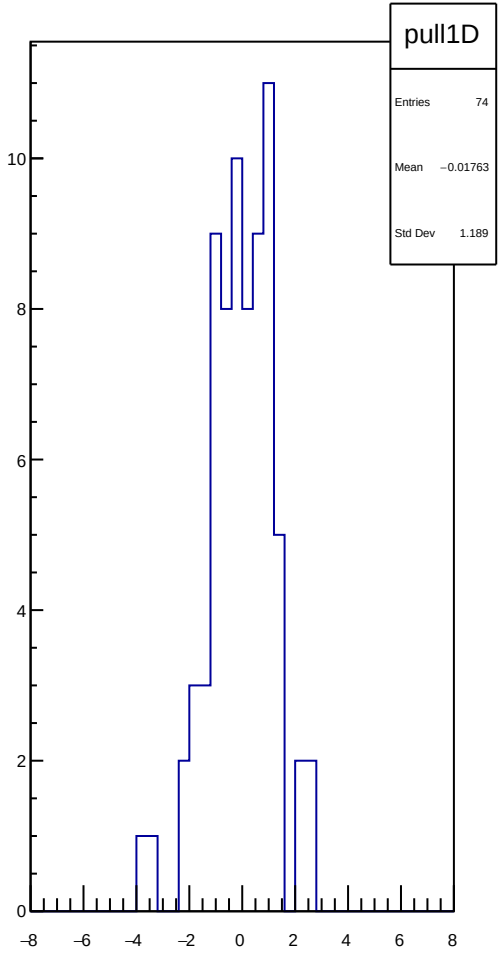

asym_sam_1357_avg_rms vs run
χ² / ndf 5517 / 73
p0 398.7 ± 0.3224
480
460
440
420
400
380
360
340

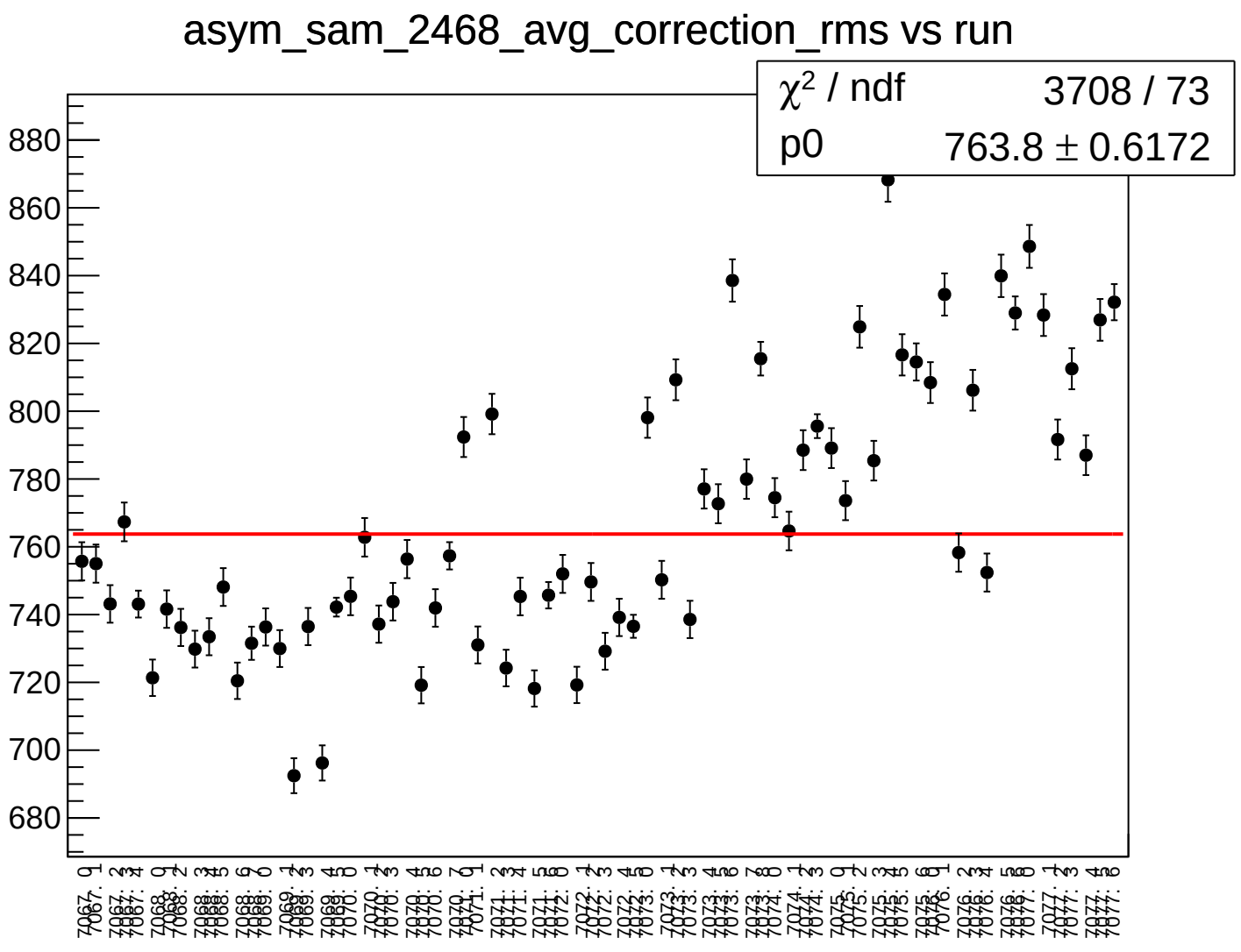

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 65.11 / 73
p0 −264.1± 130.6
pull
Entries 74
Mean 74.22
Std Dev 38.63

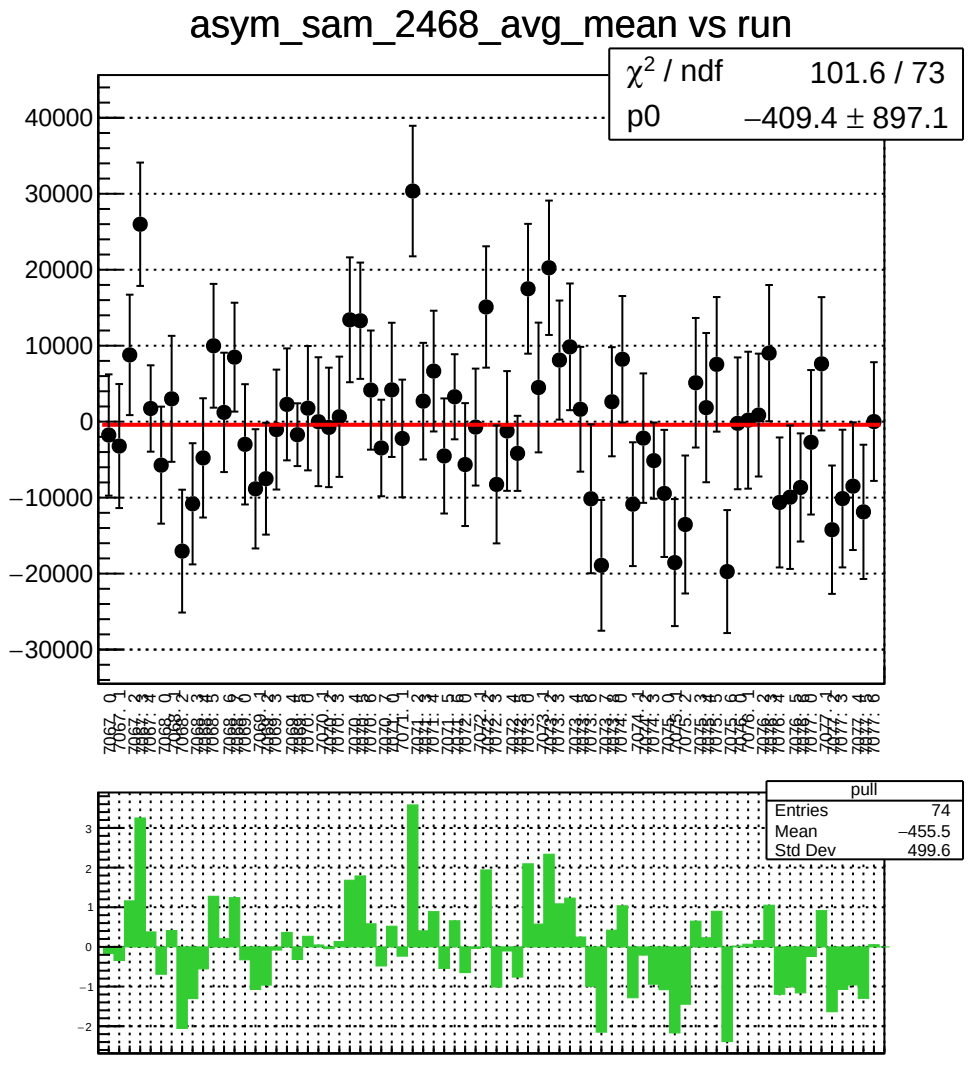

pull1D
Entries 74
Mean −0.02025
Std Dev 0.9378

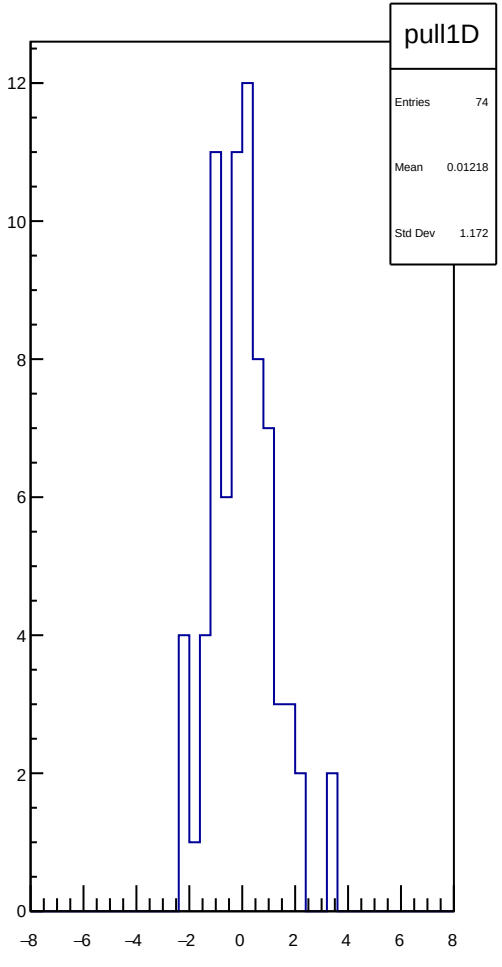

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.066e+05 / 73
p0 110.4 ± 0.09234
240
220
200
180
160
140
120
100
80

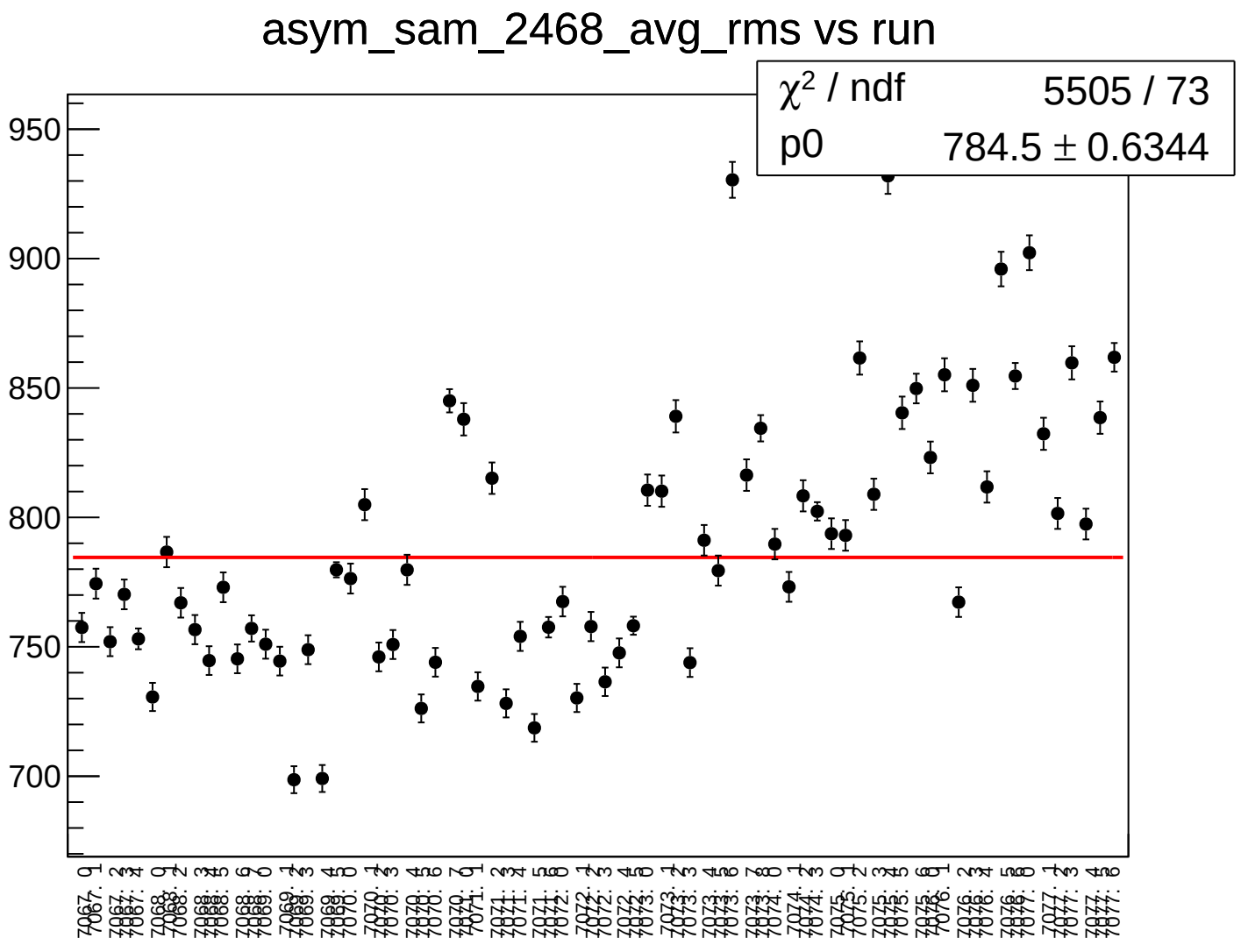

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 104.6 / 73
p0 152.8 ± 872.8
pull
Entries 74
Mean −298.3
Std Dev 342.5

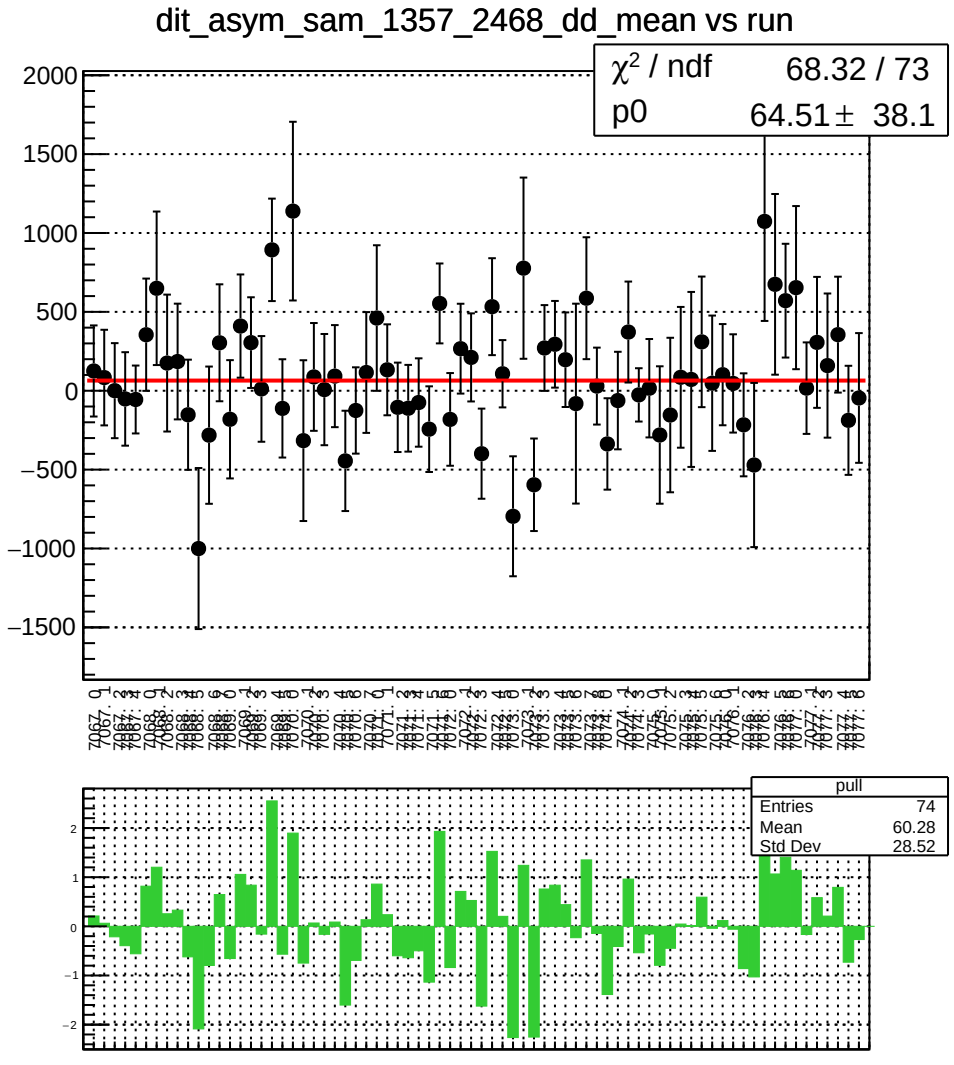

pull1D
Entries 74
Mean −0.01763
Std Dev 1.189

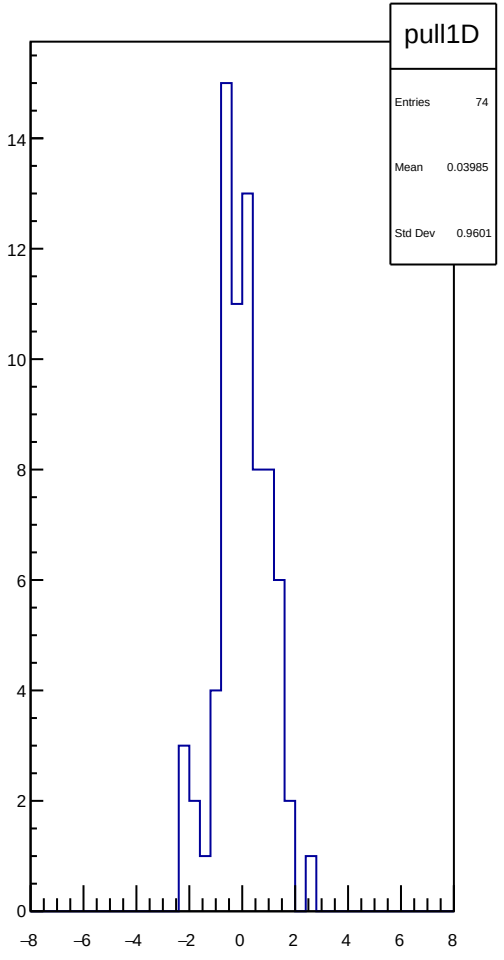

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3708 / 73
p0 763.8 ± 0.6172
880
860
840
820
800
780
760
740
720
700
680

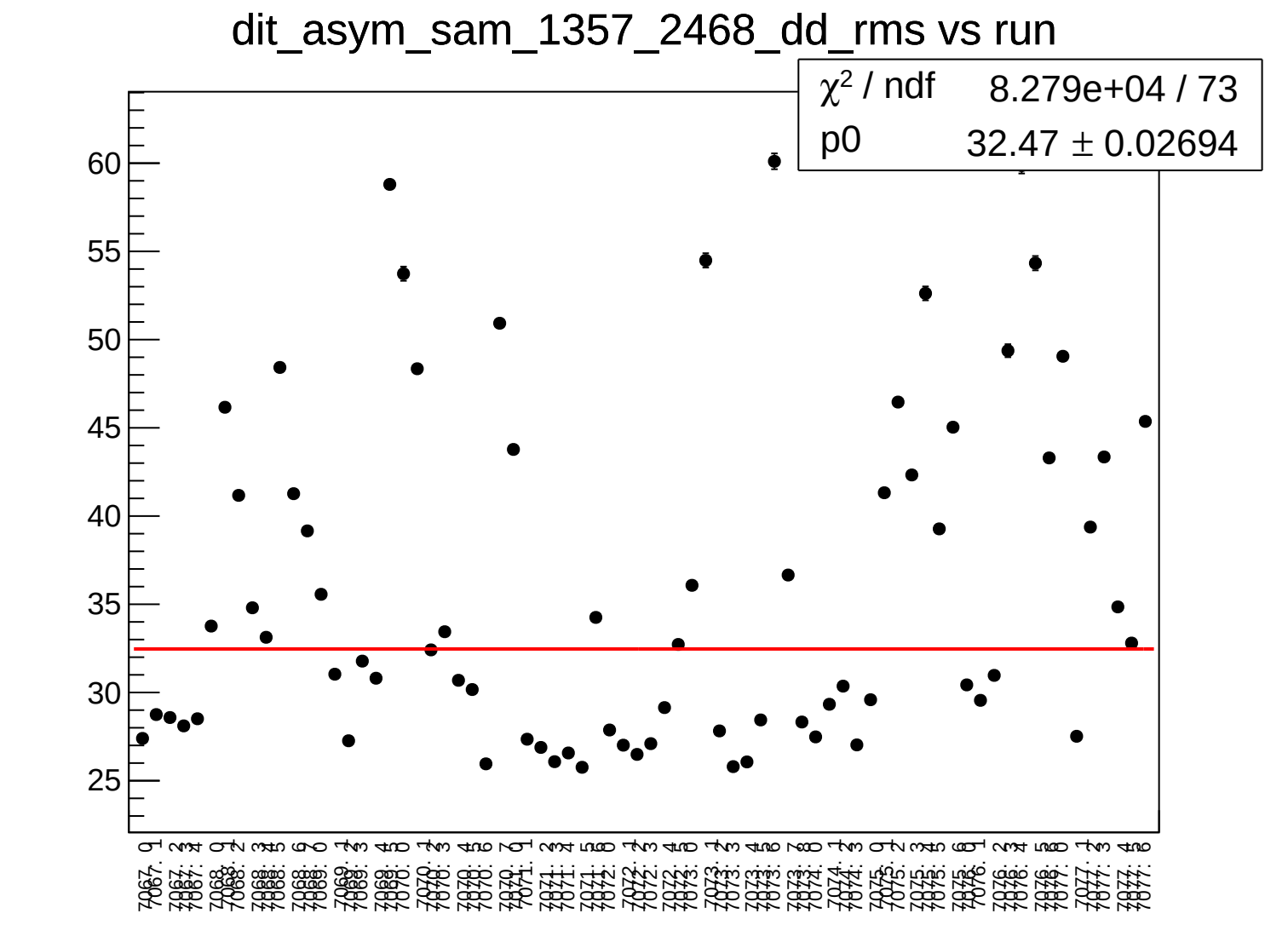

asym_sam_2468_avg_mean vs run
χ² / ndf 101.6 / 73
p0 −409.4 ± 897.1
pull
Entries 74
Mean −455.5
Std Dev 499.6

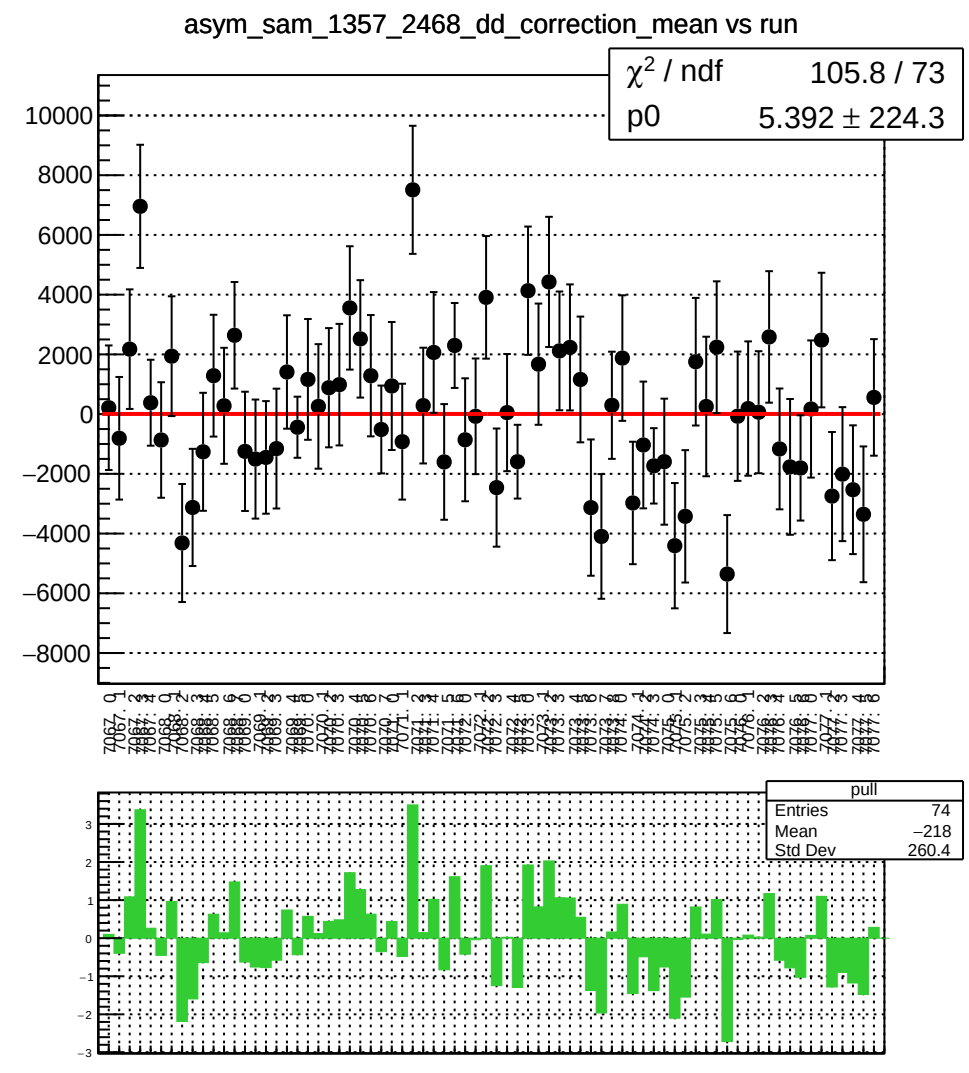

pull1D
Entries 74
Mean 0.01218
Std Dev 1.172

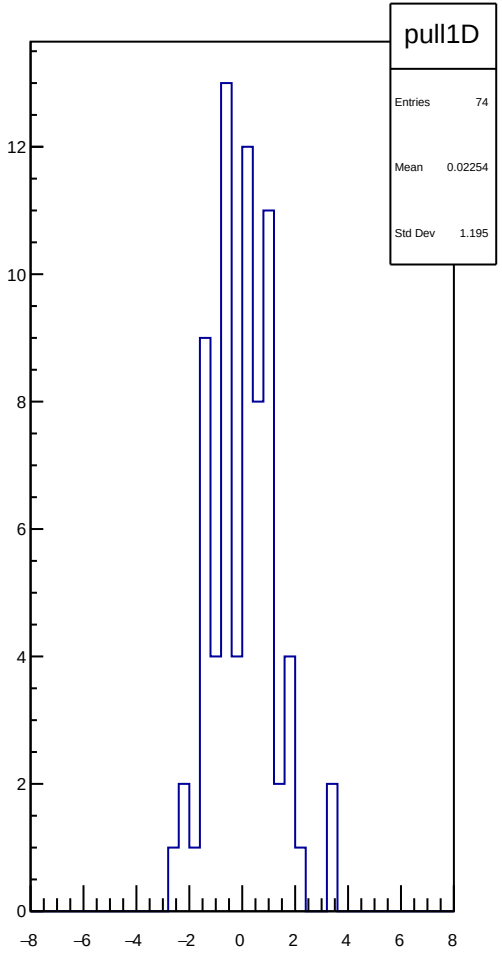

asym_sam_2468_avg_rms vs run
χ² / ndf 5505 / 73
p0 784.5 ± 0.6344
950
900
850
800
750
700

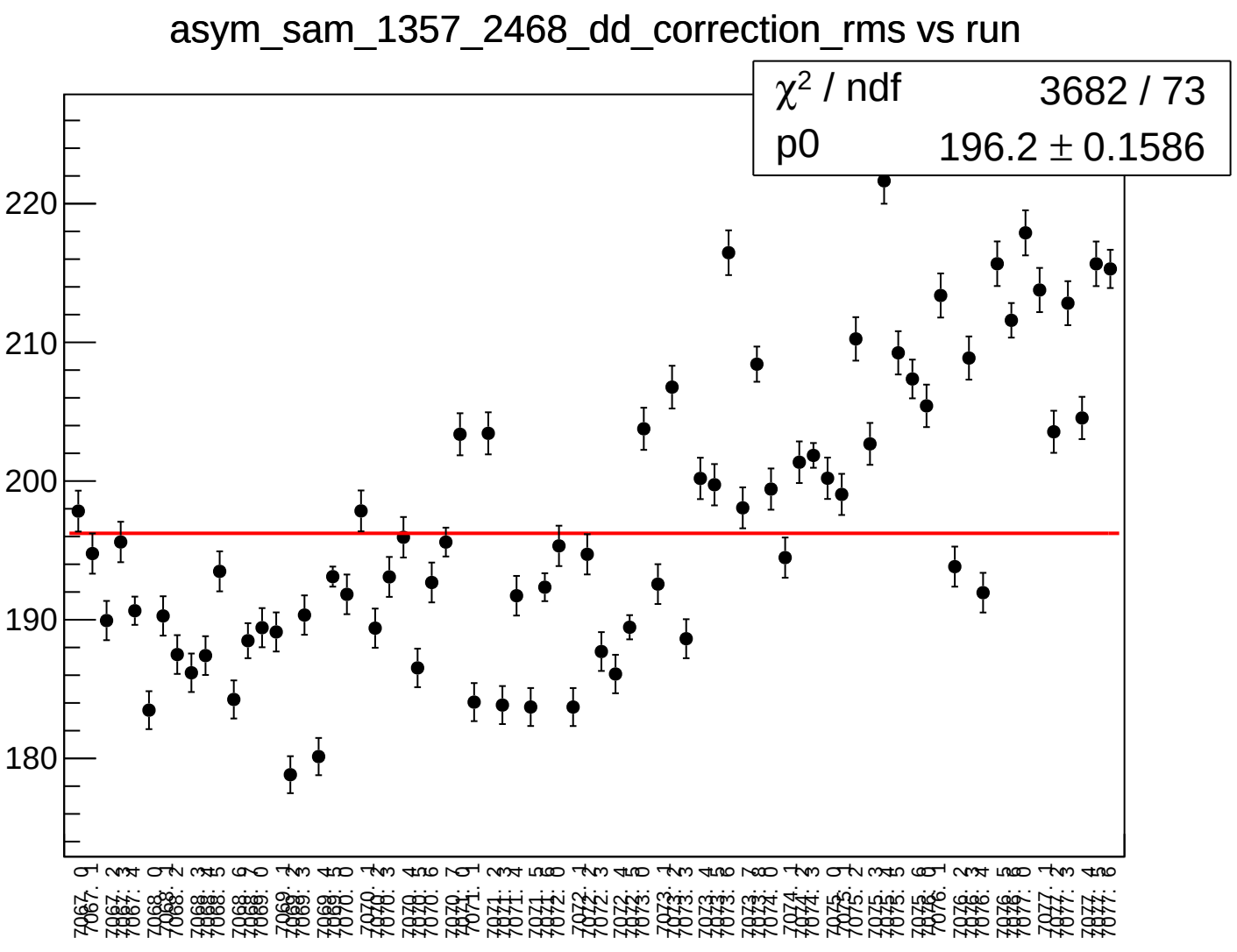

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 68.32 / 73
p0 64.51 ± 38.1
pull
Entries 74
Mean 60.28
Std Dev 28.52

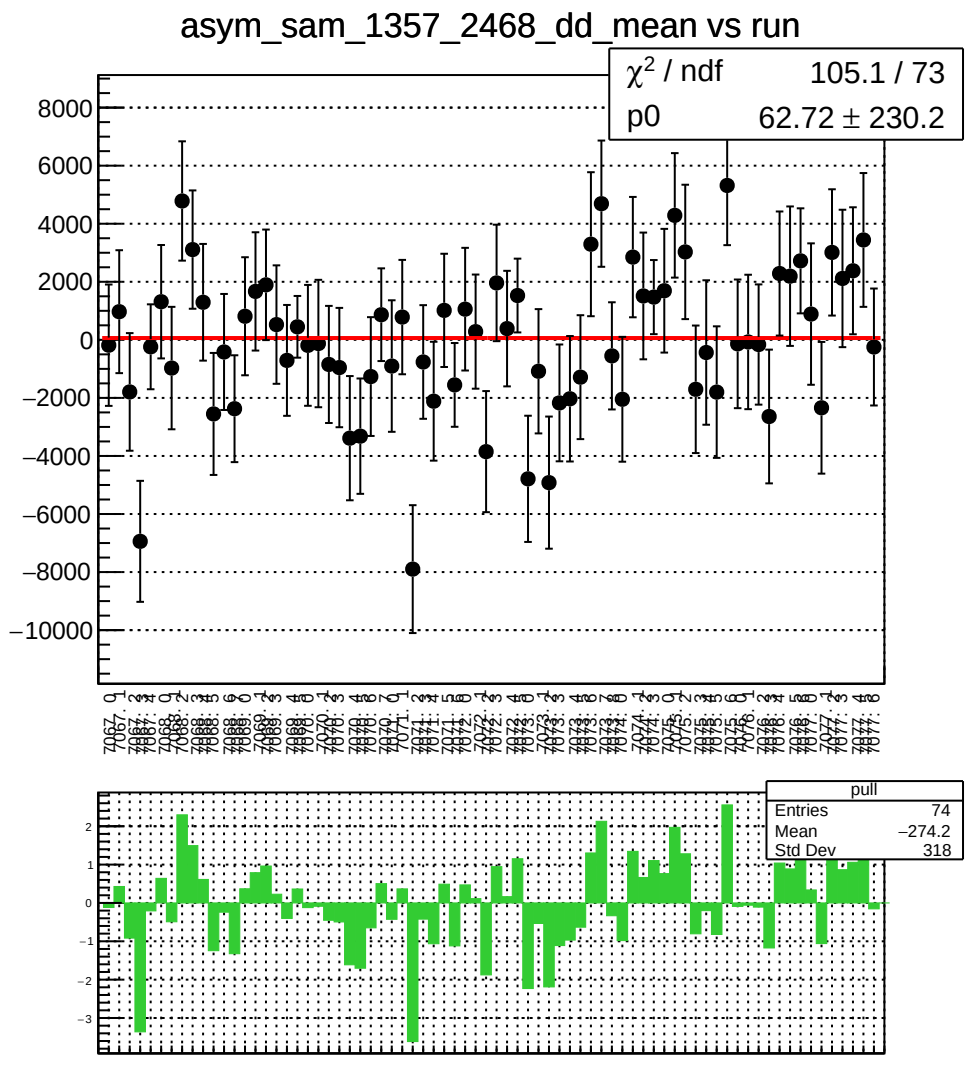

pull1D
Entries 74
Mean 0.03985
Std Dev 0.9601

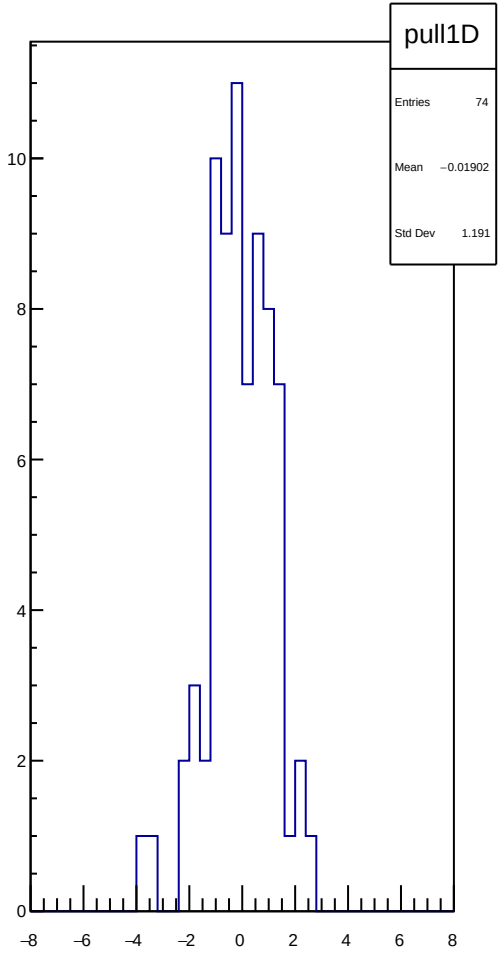

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8.279e+04 / 73
p0 32.47 ± 0.02694
60
55
50
45
40
35
30
25

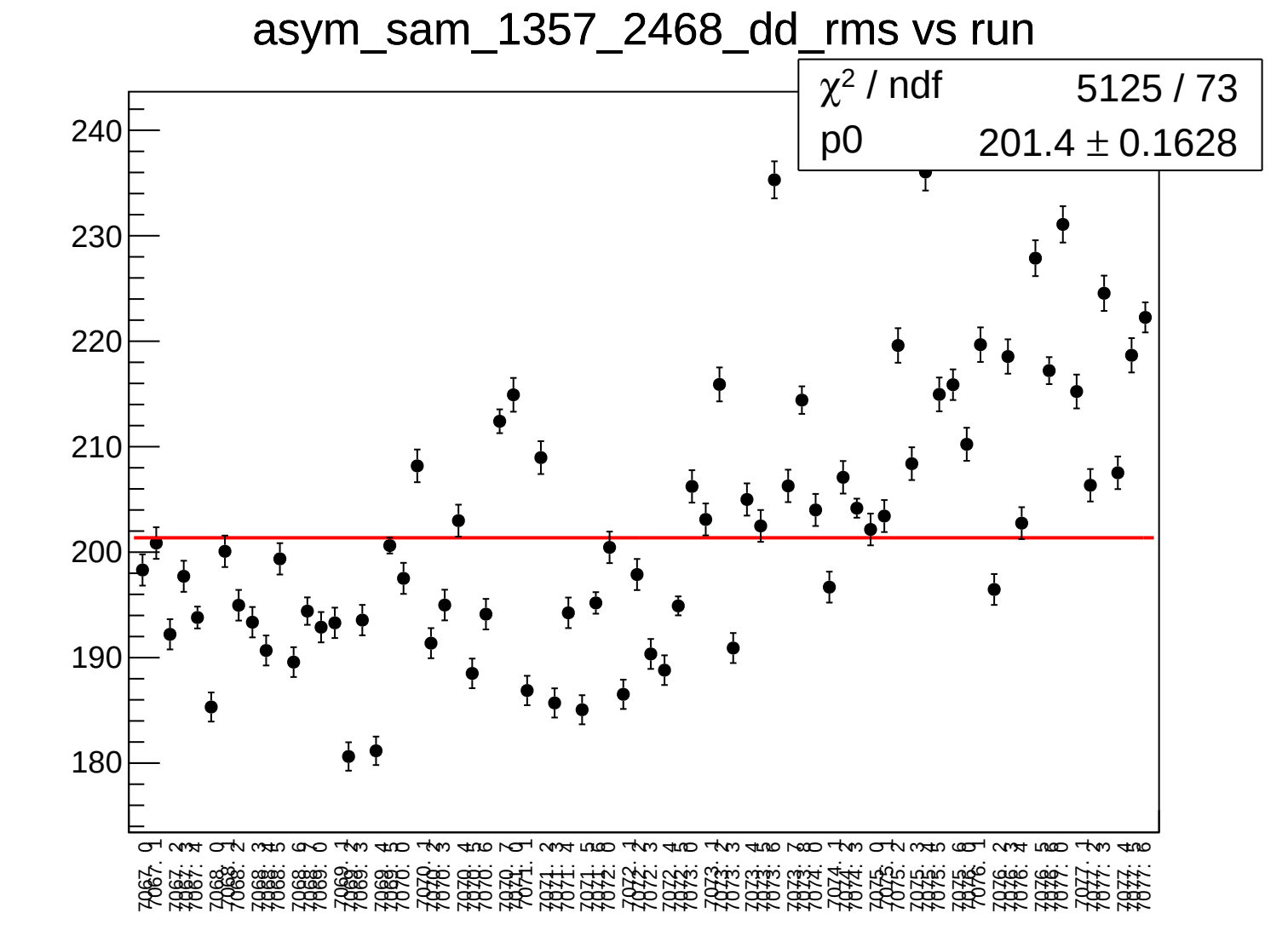

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 105.8 / 73
p0 5.392 ± 224.3
pull
Entries 74
Mean −218
Std Dev 260.4

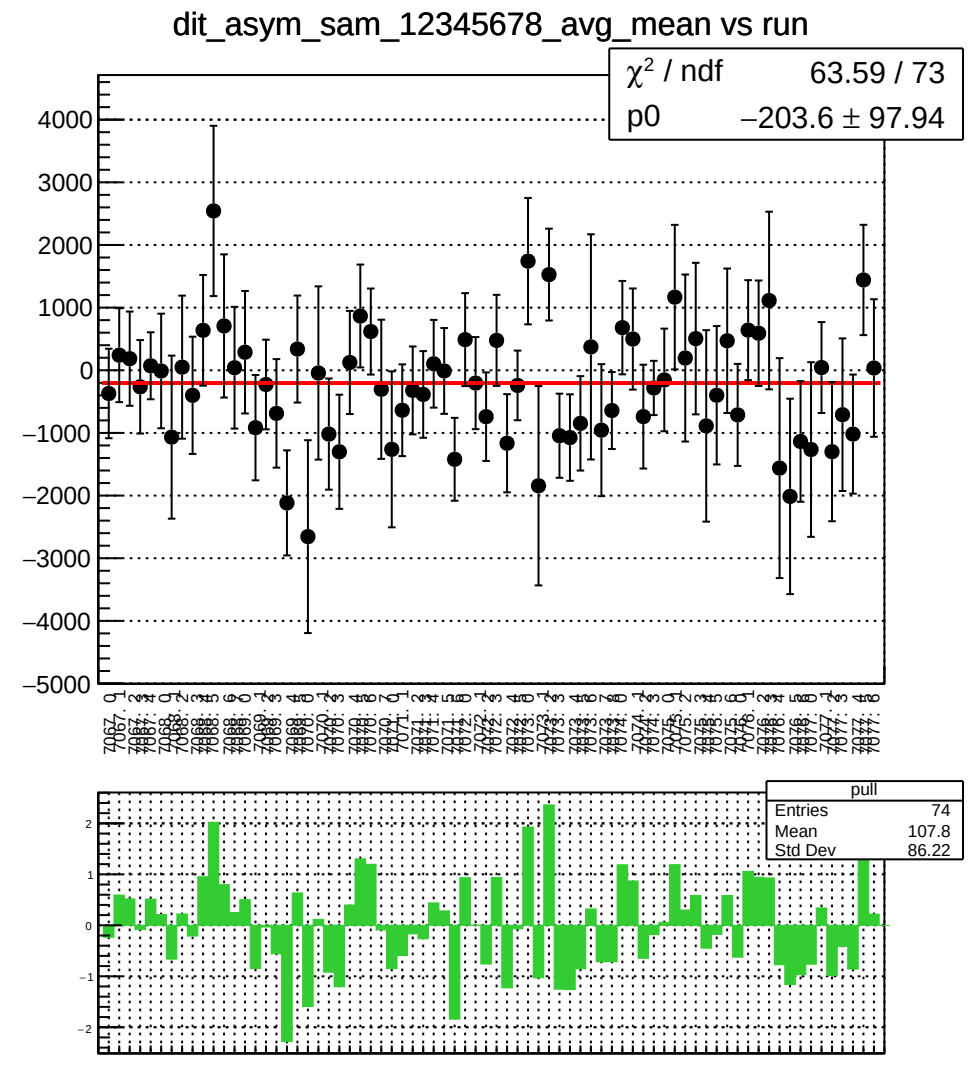

pull1D
Entries 74
Mean 0.02254
Std Dev 1.195

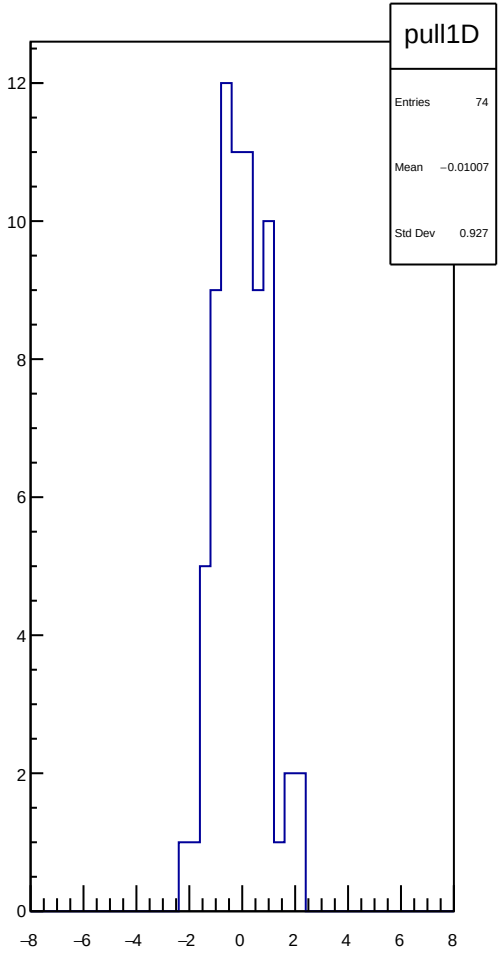

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3682 / 73
p0 196.2 ± 0.1586
220
210
200
190
180

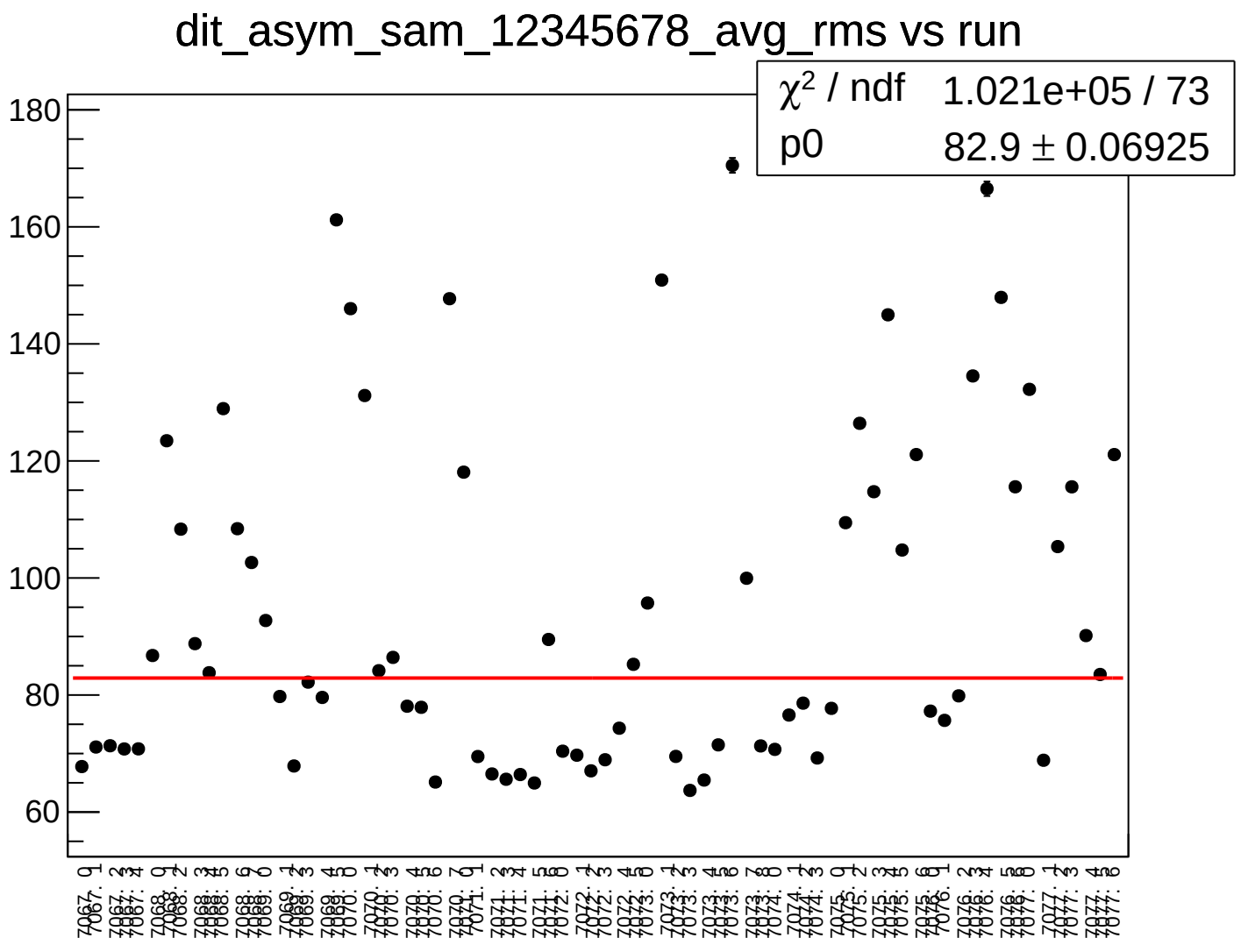

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 105.1 / 73
p0 62.72 ± 230.2
pull
Entries 74
Mean −274.2
Std Dev 318

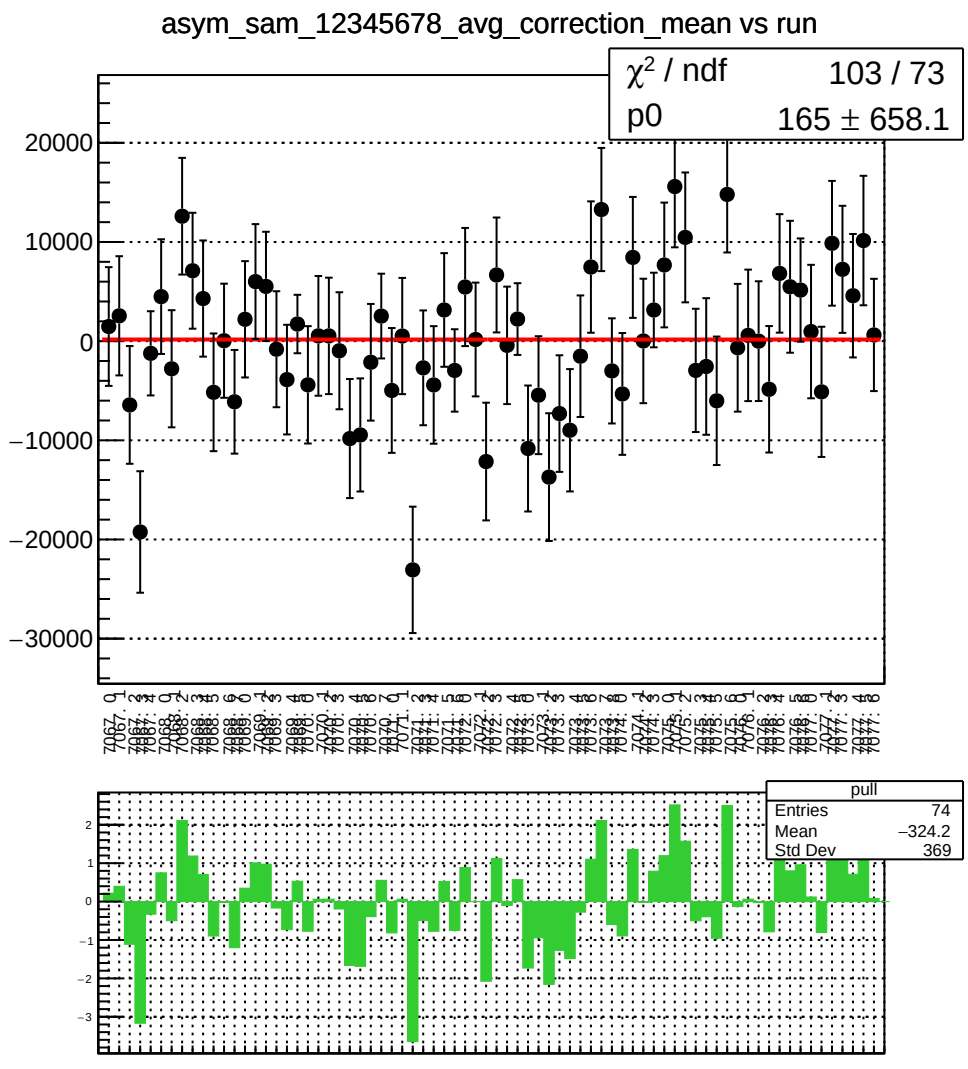

pull1D
Entries 74
Mean −0.01902
Std Dev 1.191

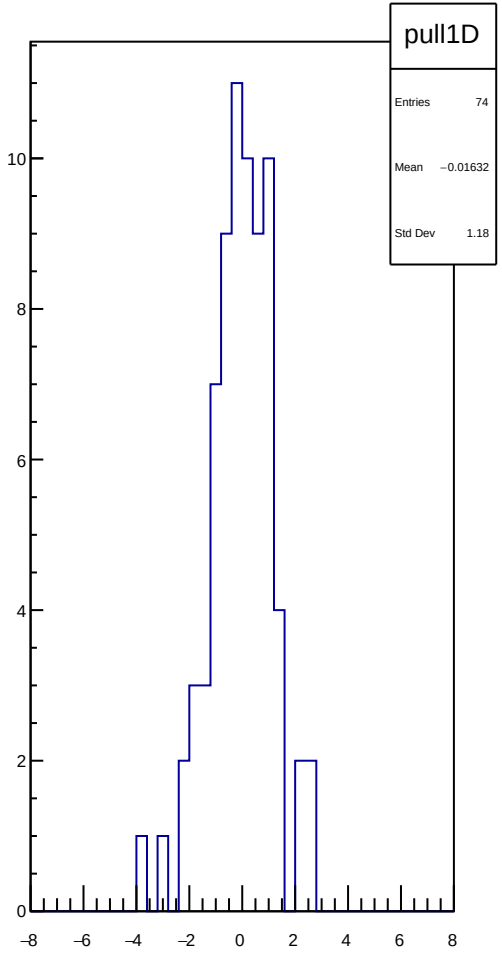

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5125 / 73
p0 201.4 ± 0.1628
240
230
220
210
200
190
180

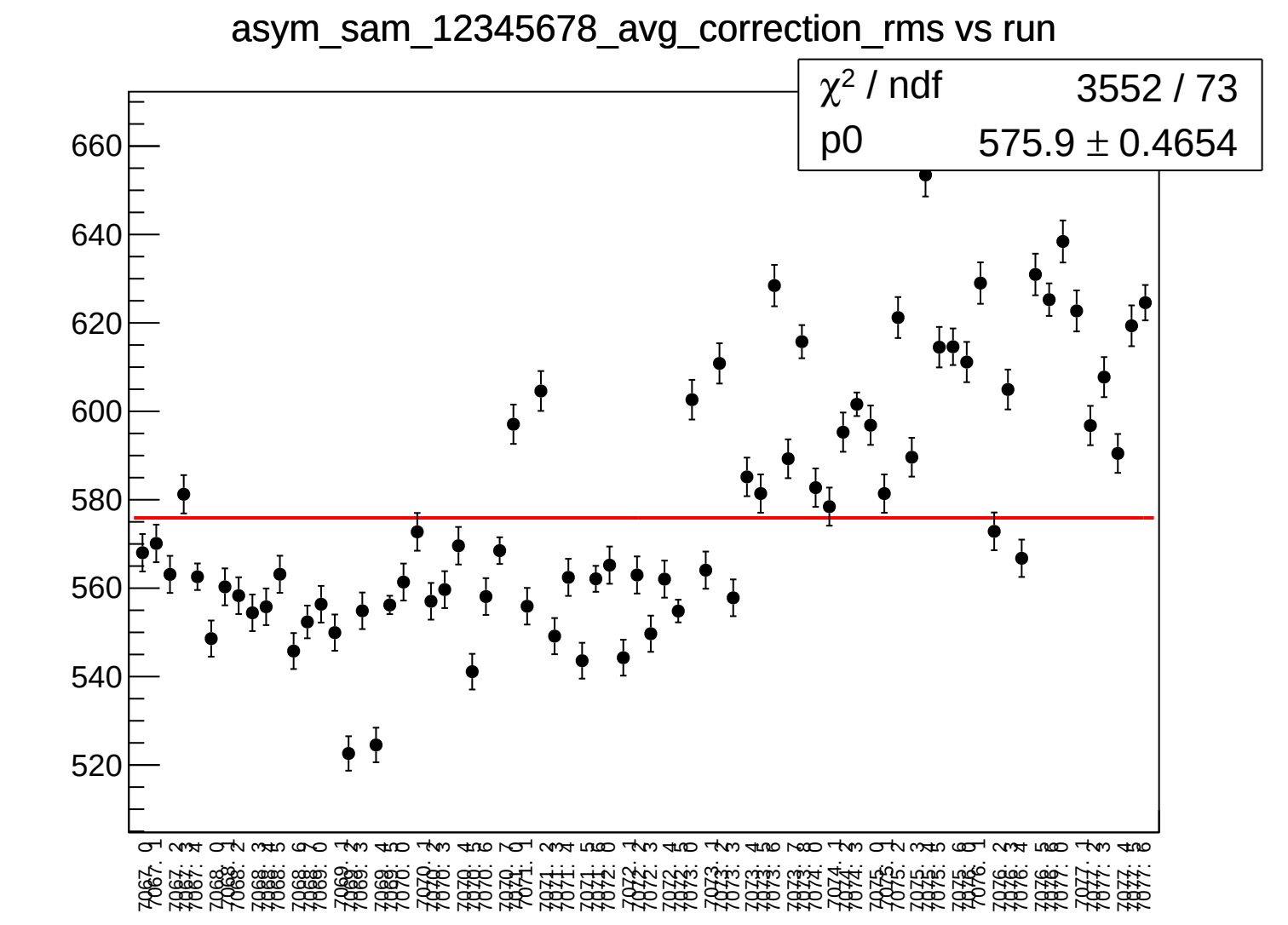

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 63.59 / 73
p0 −203.6 ± 97.94
pull
Entries 74
Mean 107.8
Std Dev 86.22

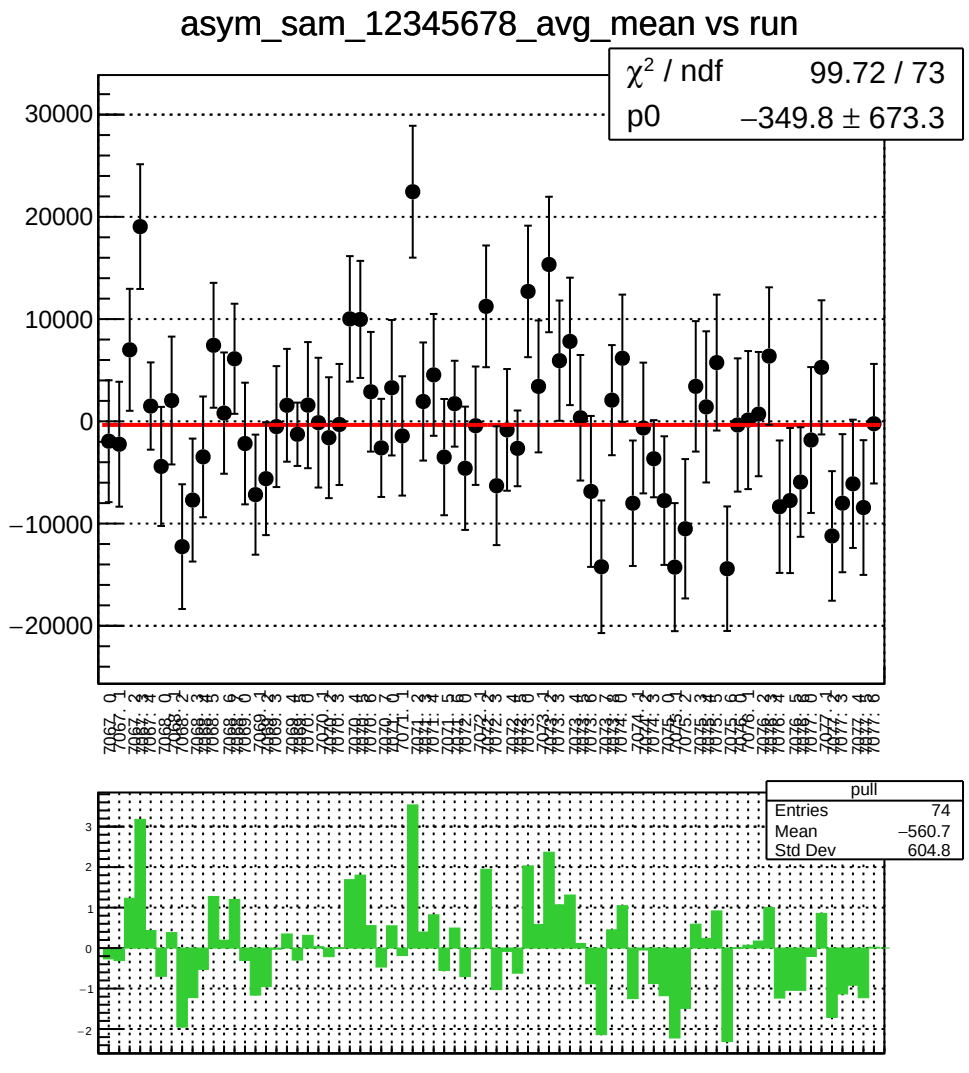

pull1D
Entries 74
Mean −0.01007
Std Dev 0.927

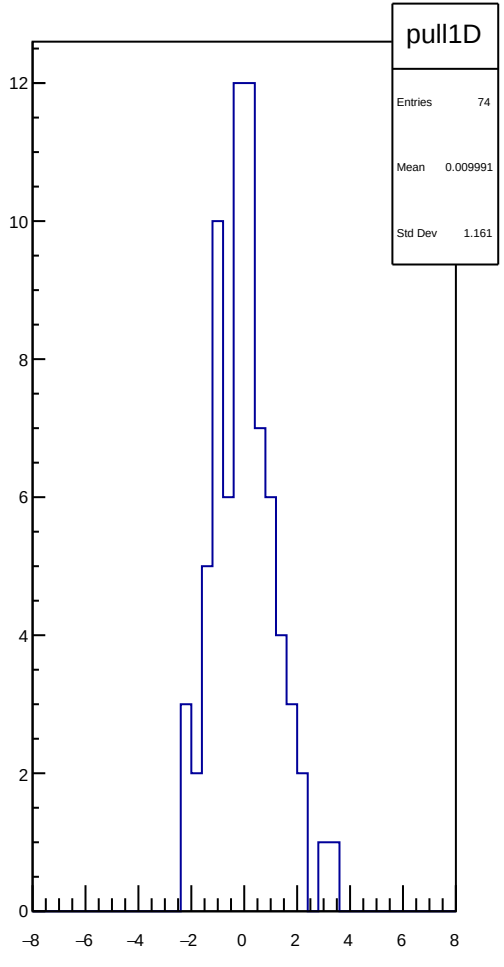

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.021e+05 / 73
p0 82.9 ± 0.06925
180
160
140
120
100
80
60

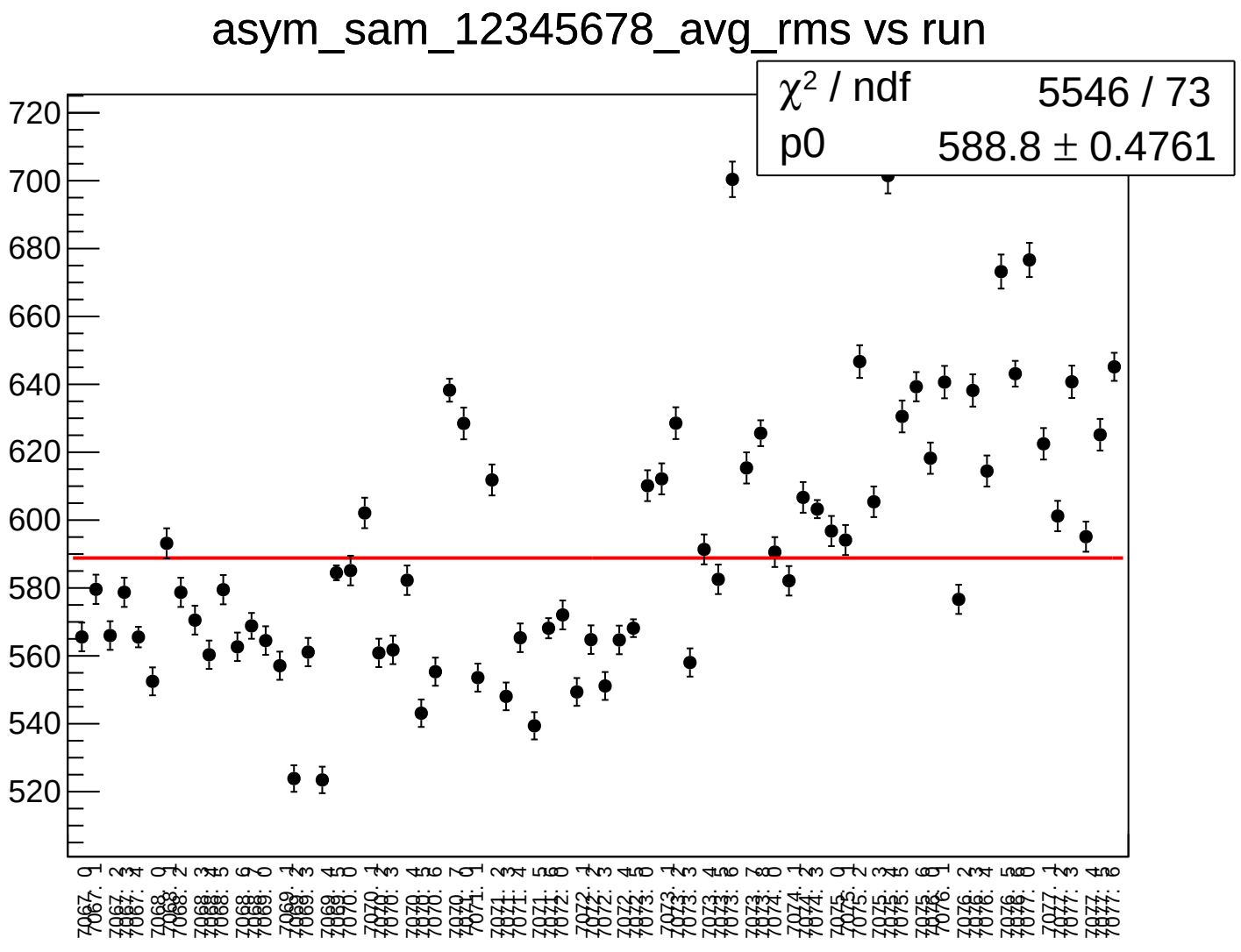

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 103 / 73
p0 165 ± 658.1
pull
Entries 74
Mean −324.2
Std Dev 369

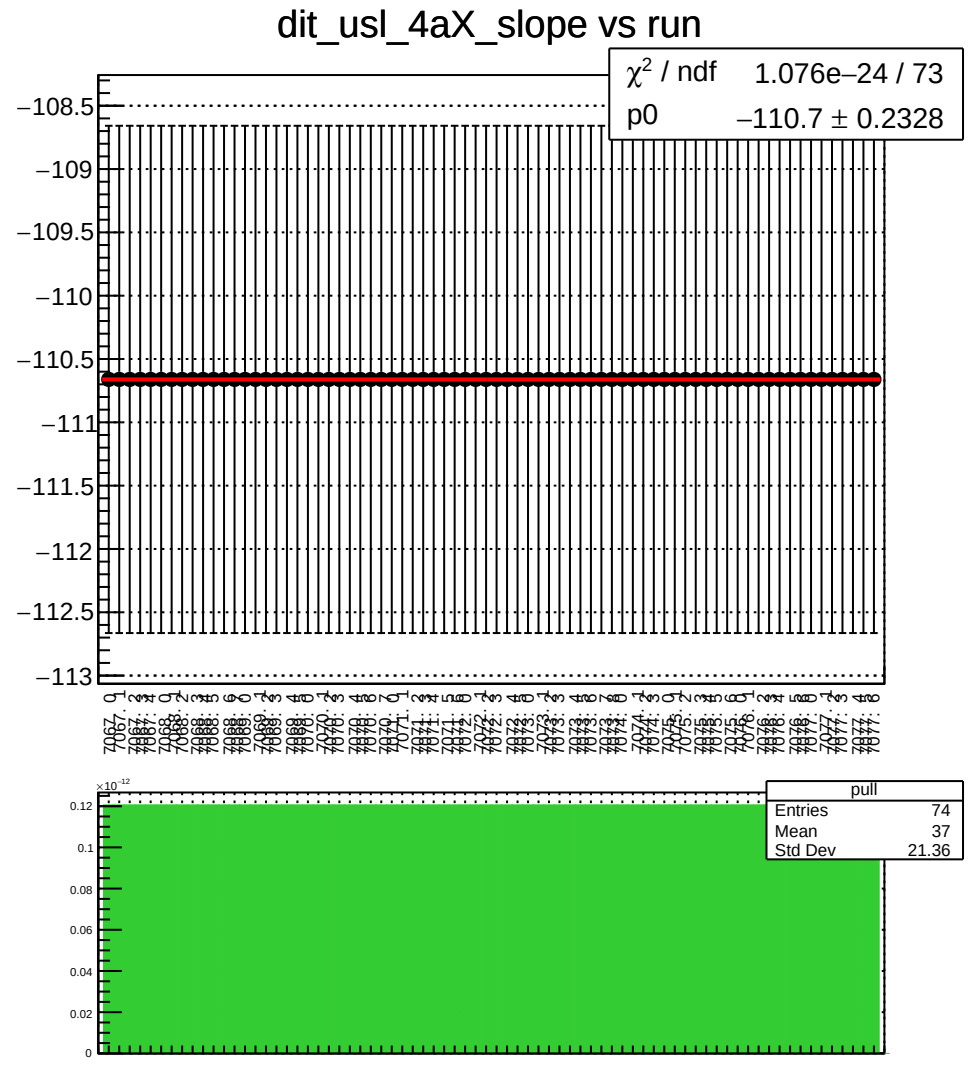

pull1D
Entries 74
Mean −0.01632
Std Dev 1.18

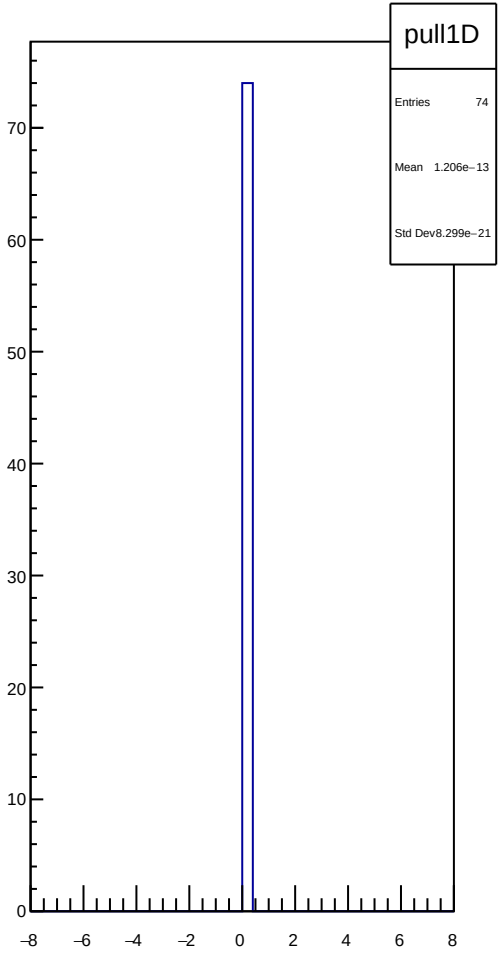

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3552 / 73
p0 575.9 ± 0.4654
660
640
620
600
580
560
540
520

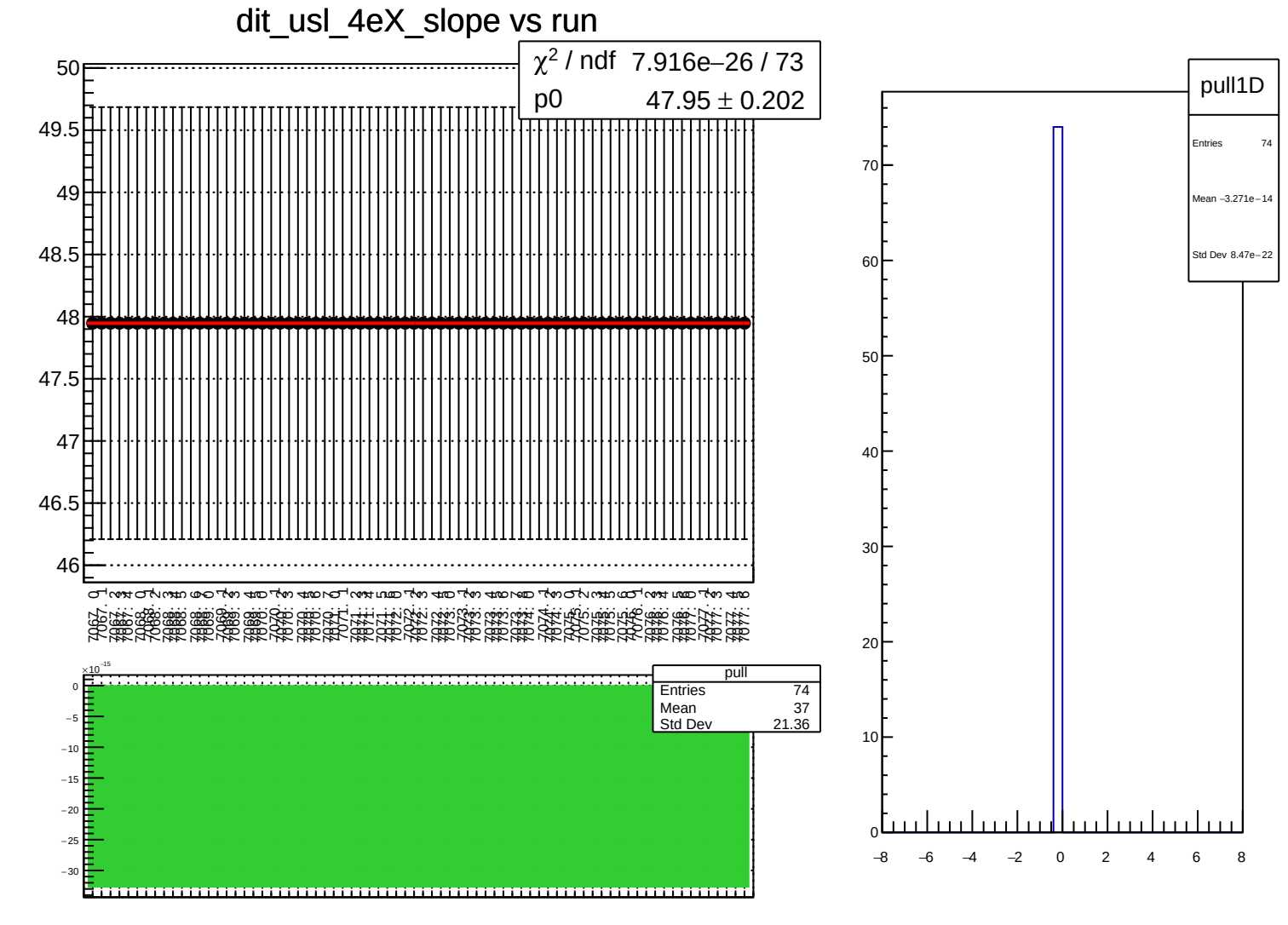

asym_sam_12345678_avg_mean vs run
χ² / ndf 99.72 / 73
p0 −349.8 ± 673.3
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −560.7
Std Dev 604.8
3
2
1
0
−1
−2

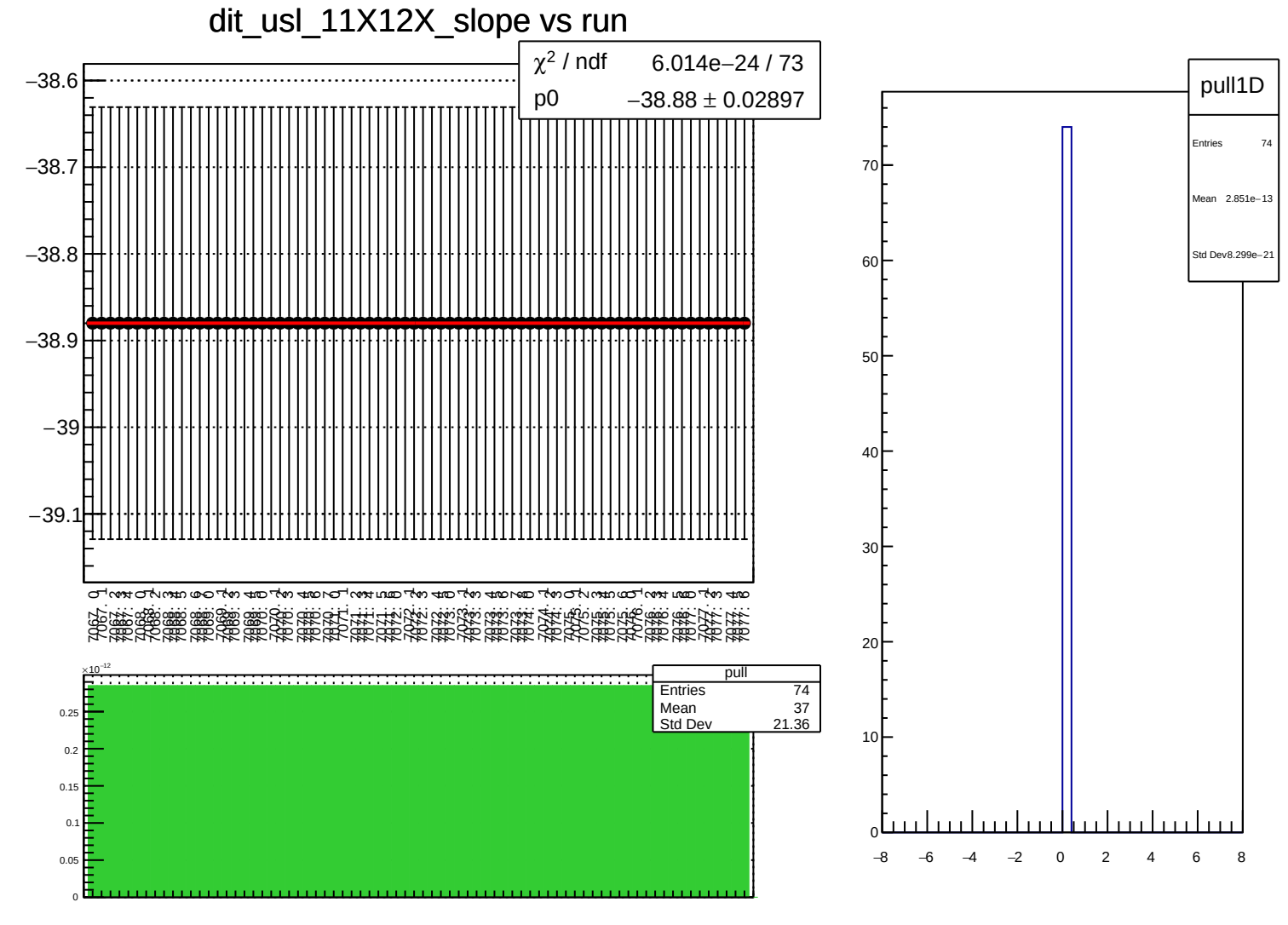

pull1D
Entries 74
Mean 0.009991
Std Dev 1.161
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

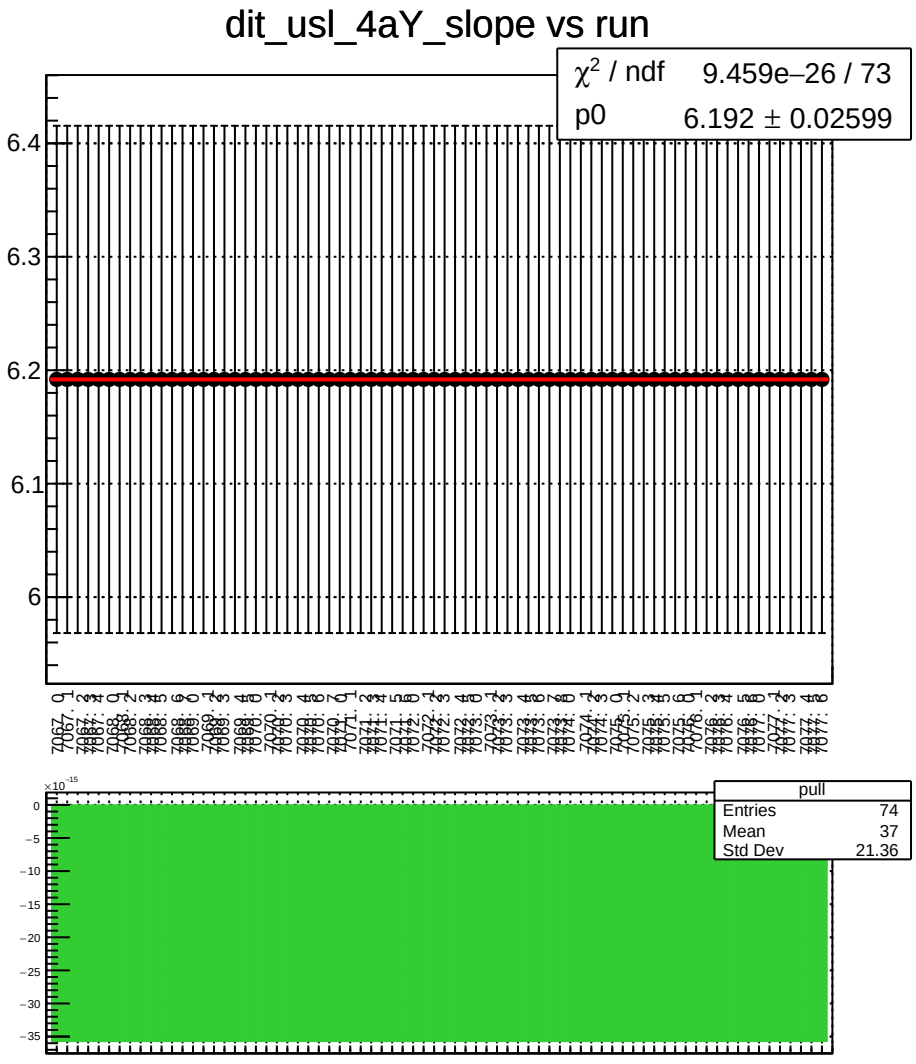

asym_sam_12345678_avg_rms vs run
χ² / ndf 5546 / 73
p0 588.8 ± 0.4761
720
700
680
660
640
620
600
580
560
540
520

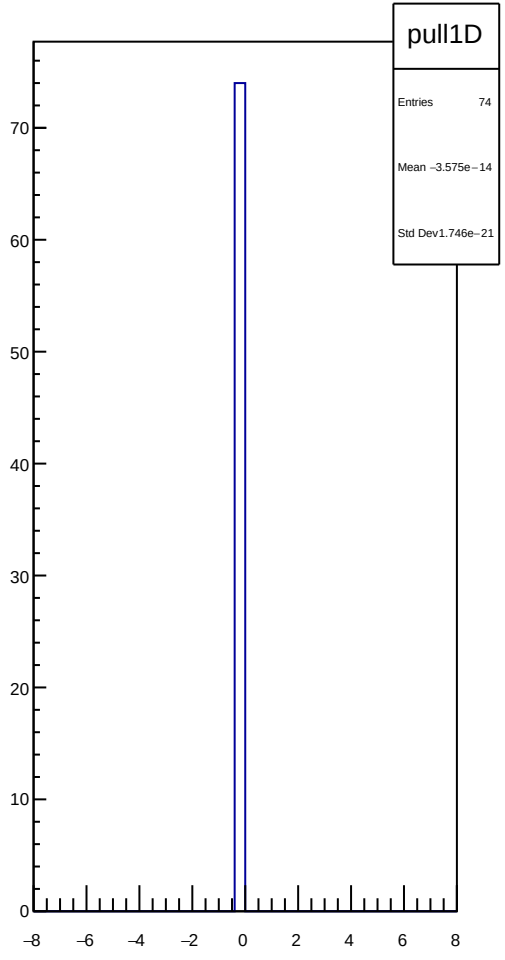

dit_usl_4aX_slope vs run
χ² / ndf 1.076e−24 / 73
p0 −110.7 ± 0.2328
−108.5
−109
−109.5
−110
−110.5
−111
−111.5
−112
−112.5
−113
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

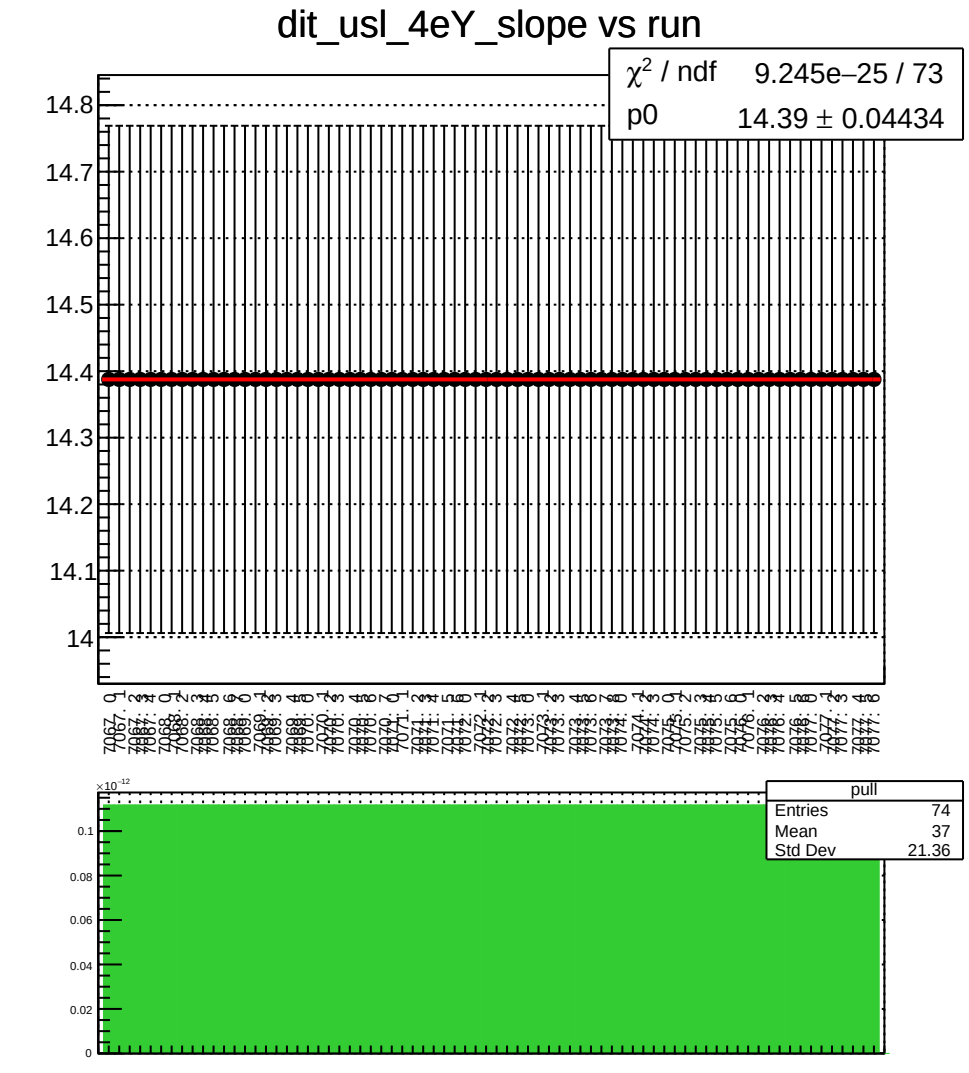

pull1D
Entries 74
Mean 1.206e−13
Std Dev8.299e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

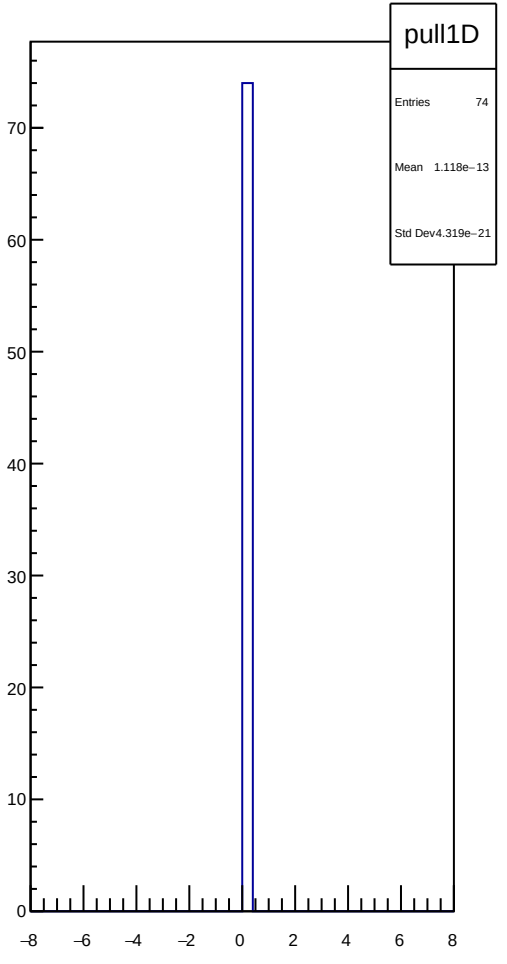

dit_usl_4eX_slope vs run
χ² / ndf 7.916e−26 / 73
p0 47.95 ± 0.202
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −3.271e−14
Std Dev 8.47e−22

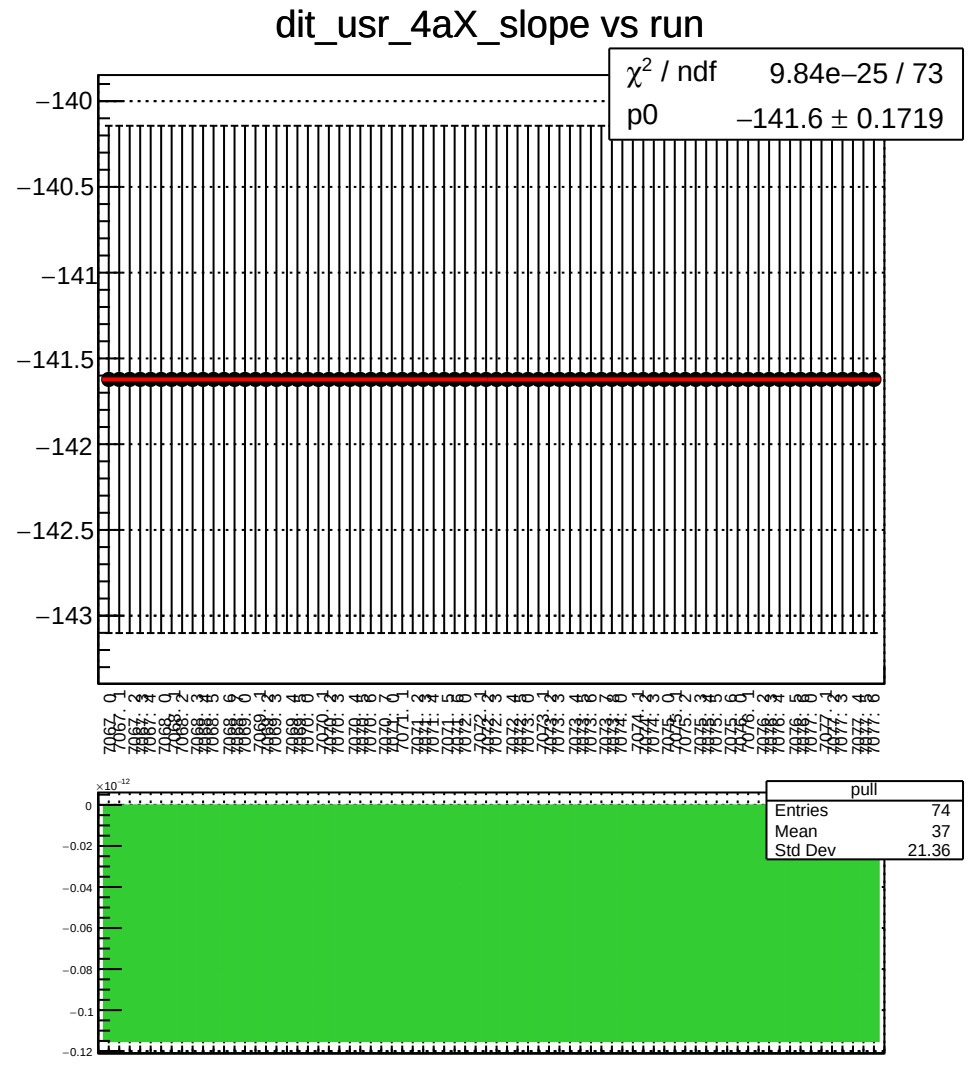

dit_usl_11X12X_slope vs run
χ² / ndf 6.014e−24 / 73
p0 −38.88 ± 0.02897
−38.6
−38.7
−38.8
−38.9
−39
−39.1
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 74
Mean 2.851e−13
Std Dev8.299e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

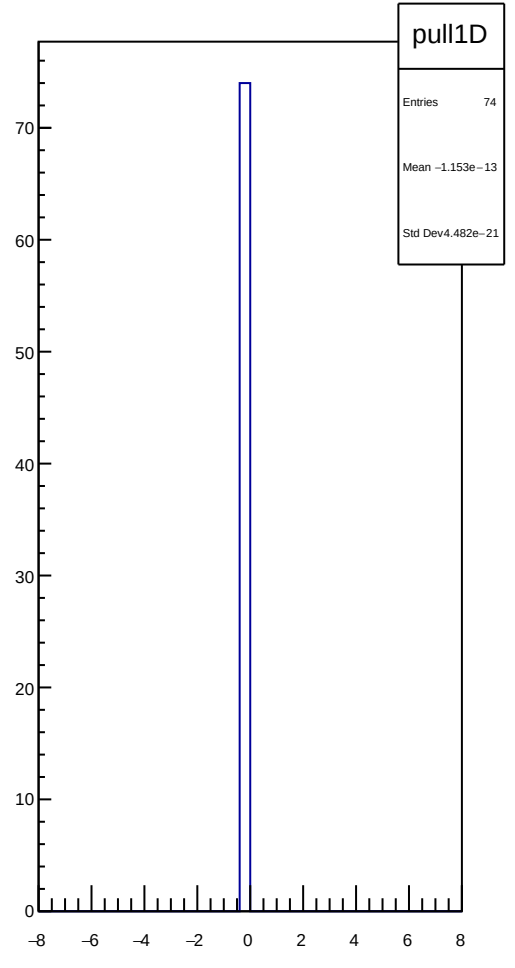

dit_usl_4aY_slope vs run
χ² / ndf 9.459e−26 / 73
p0 6.192 ± 0.02599
6.4
6.3
6.2
6.1
6
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

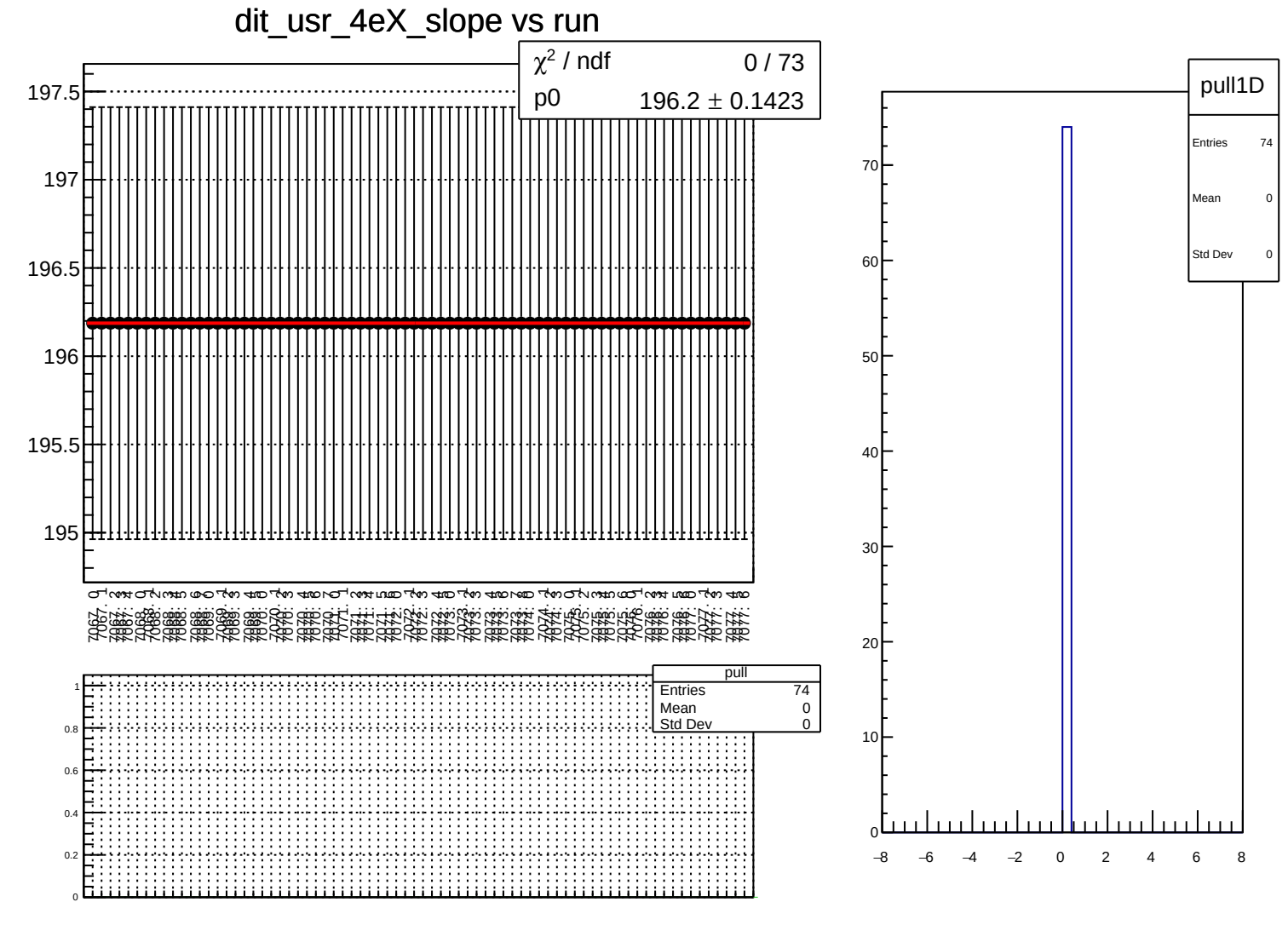

pull1D
Entries 74
Mean −3.575e−14
Std Dev1.746e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

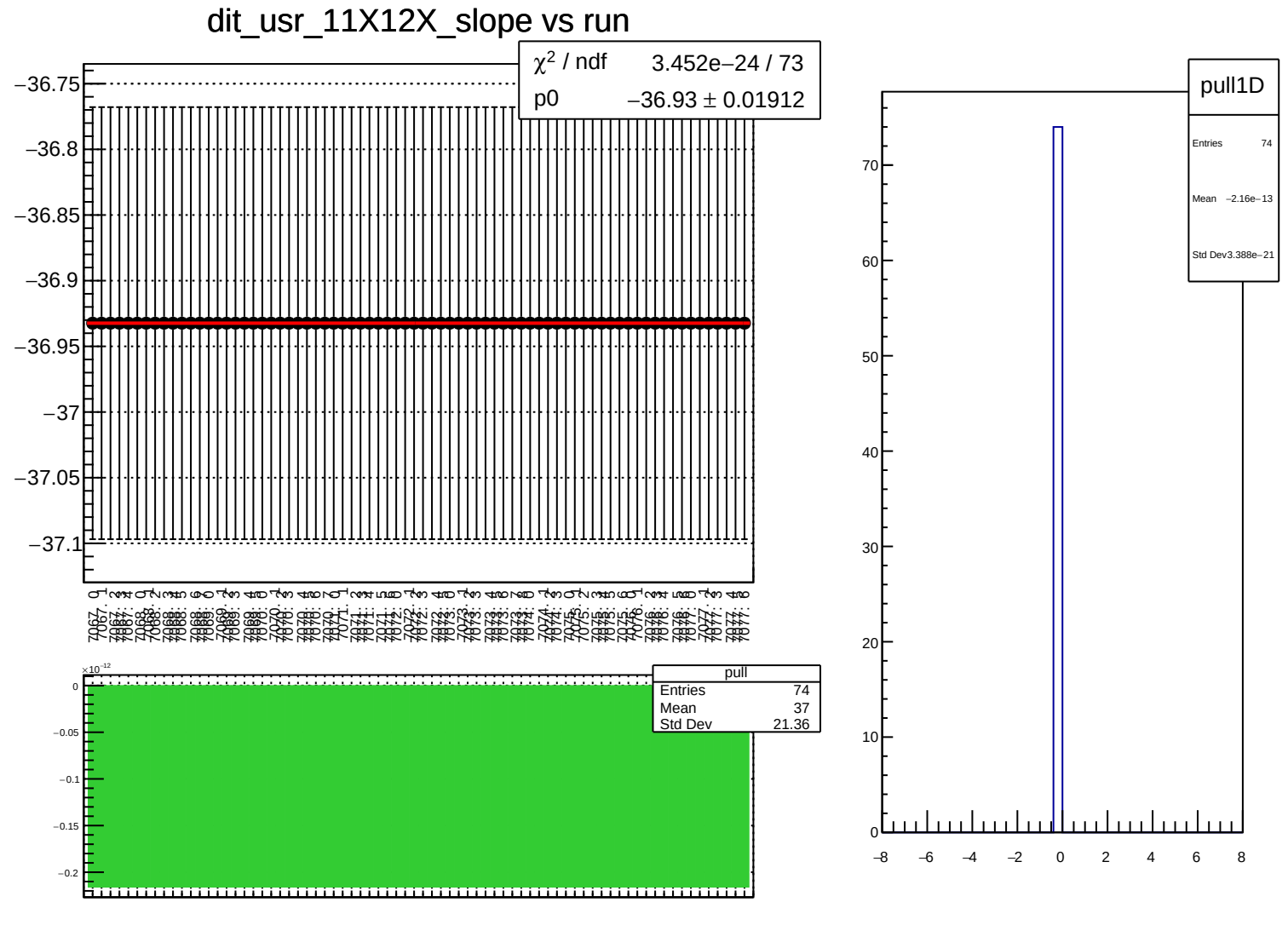

dit_usl_4eY_slope vs run
χ² / ndf 9.245e−25 / 73
p0 14.39 ± 0.04434
14.8
14.7
14.6
14.5
14.4
14.3
14.2
14.1
14
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

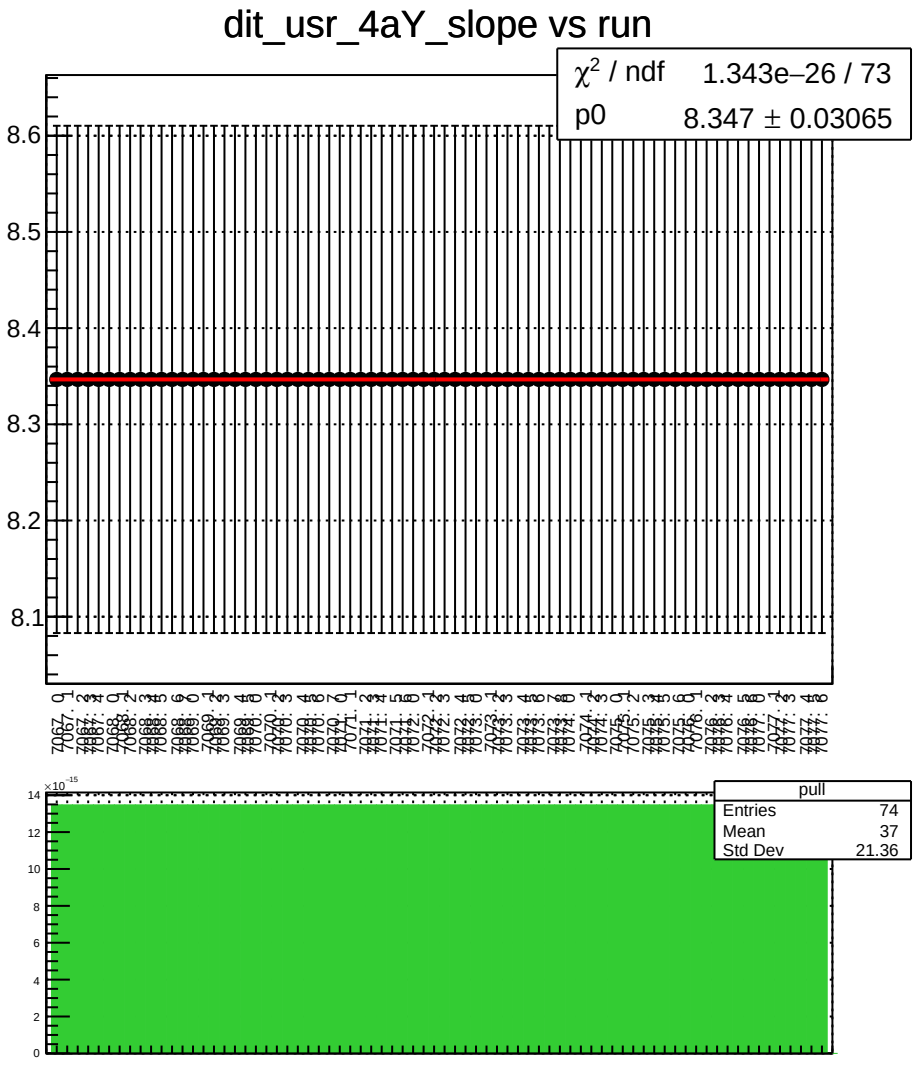

pull1D
Entries 74
Mean 1.118e−13
Std Dev4.319e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

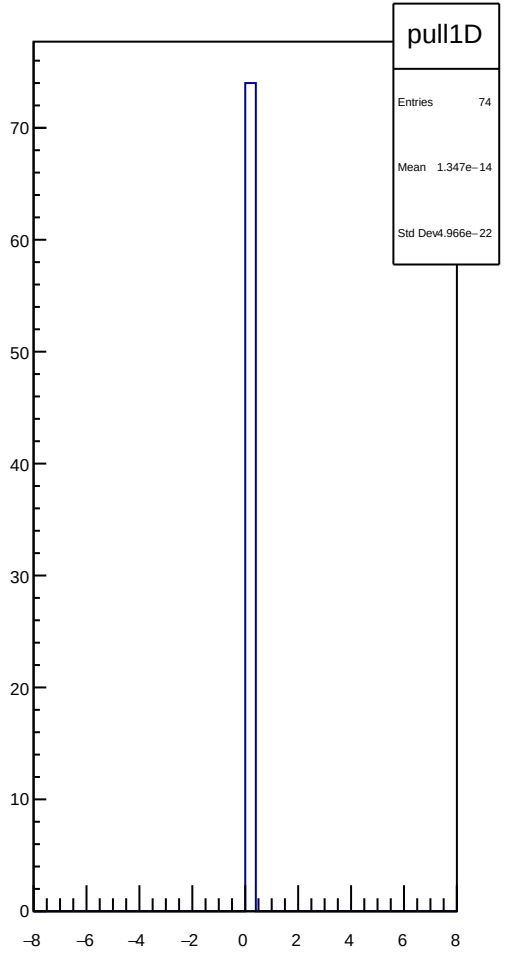

dit_usr_4aX_slope vs run
χ² / ndf 9.84e−25 / 73
p0 −141.6 ± 0.1719
−140
−140.5
−141
−141.5
−142
−142.5
−143
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

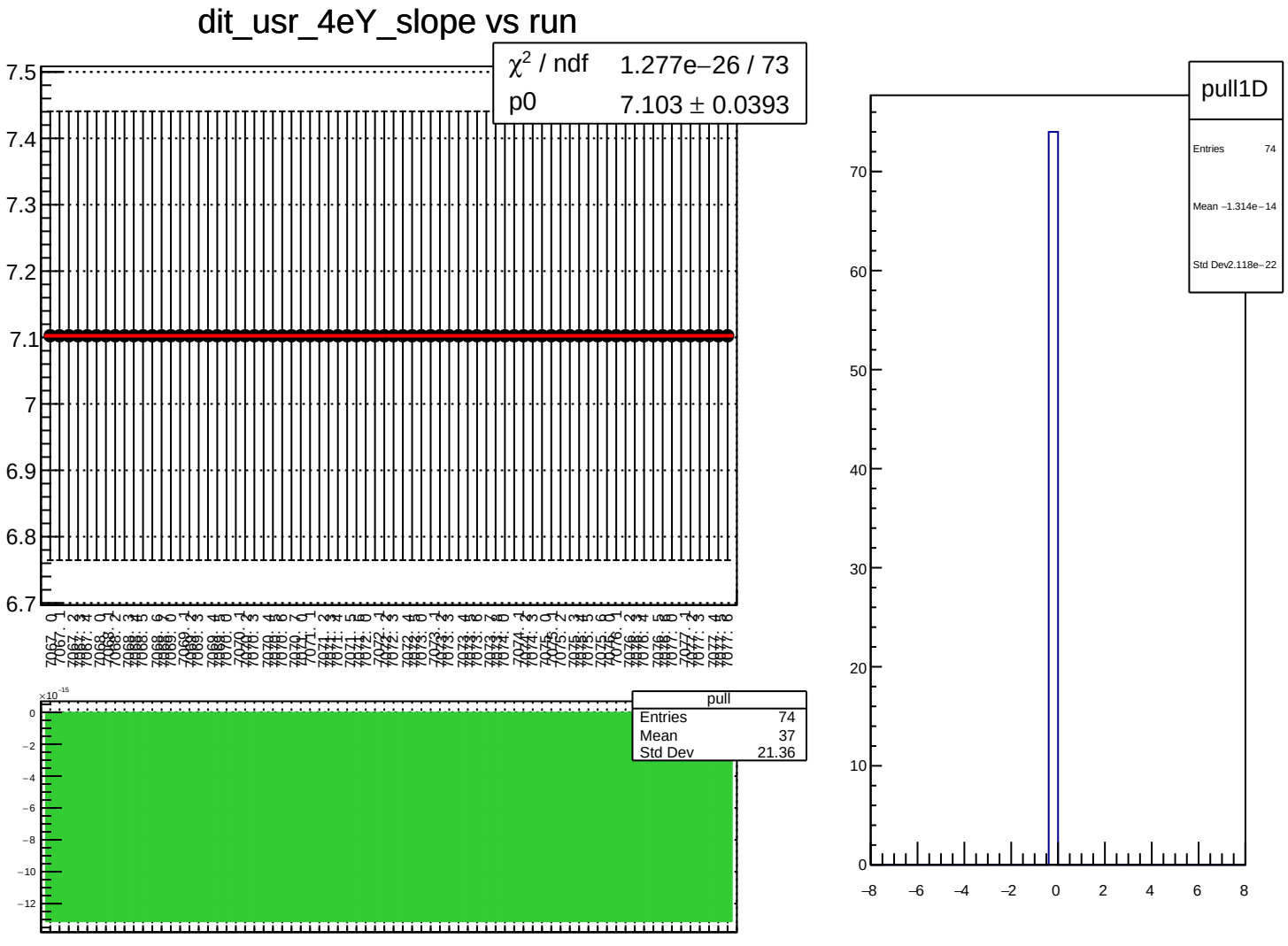

pull1D
Entries 74
Mean −1.153e−13
Std Dev4.482e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

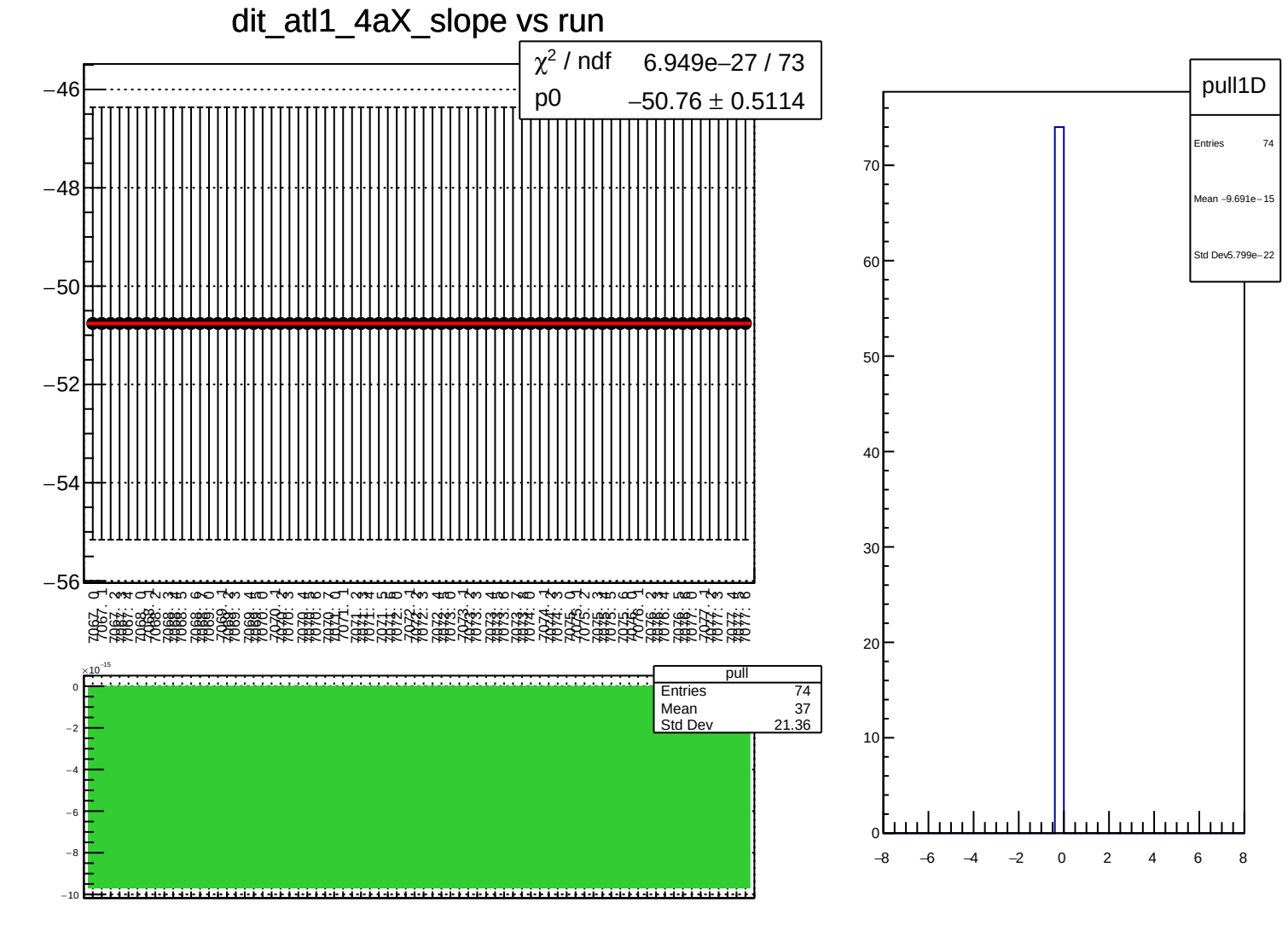

dit_usr_4eX_slope vs run
χ² / ndf 0 / 73
p0 196.2 ± 0.1423
197.5
197
196.5
196
195.5
195
pull
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 74
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

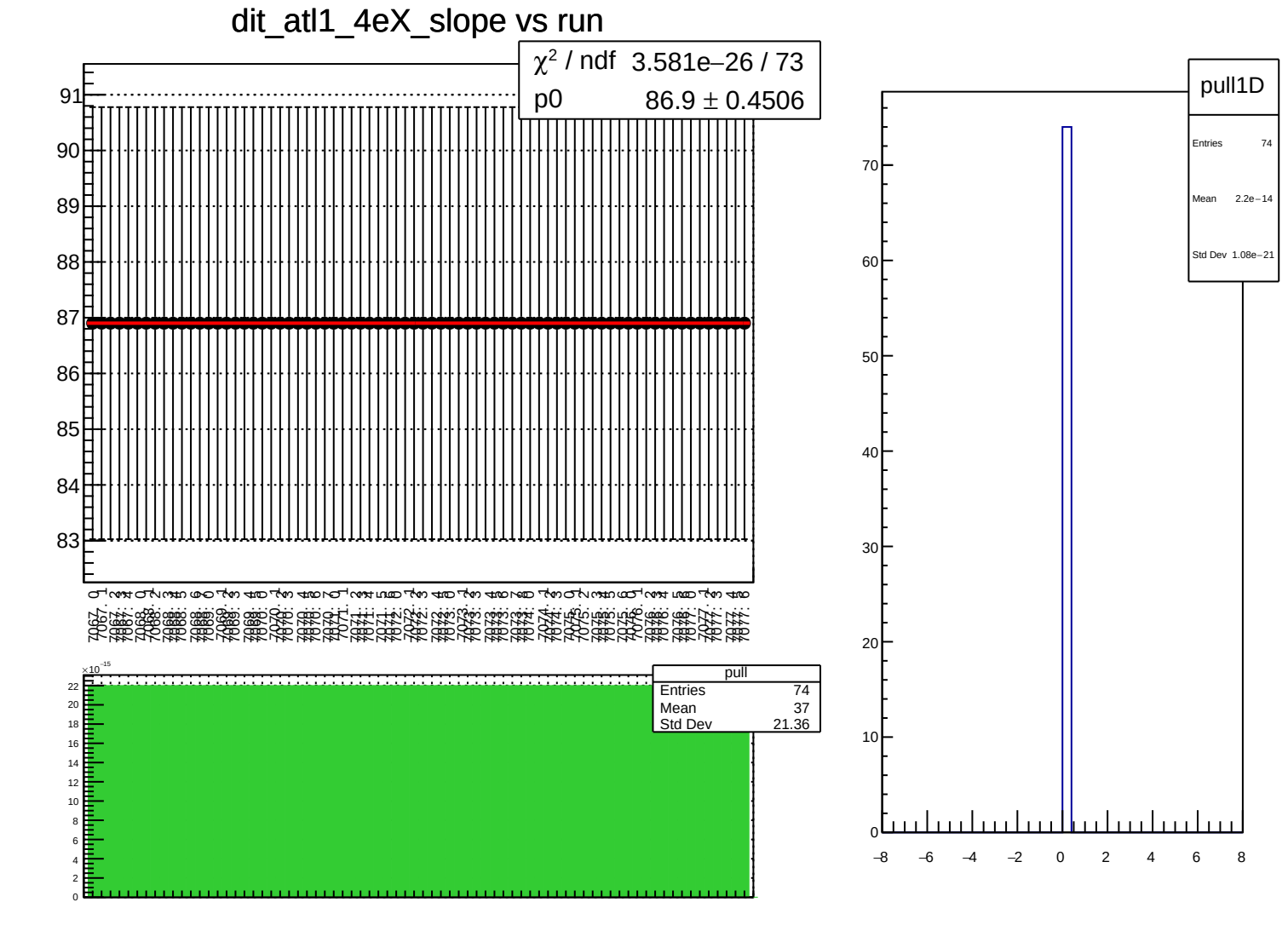

dit_usr_11X12X_slope vs run
χ² / ndf 3.452e−24 / 73
p0 −36.93 ± 0.01912
−36.75
−36.8
−36.85
−36.9
−36.95
−37
−37.05
−37.1
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 74
Mean −2.16e−13
Std Dev3.388e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

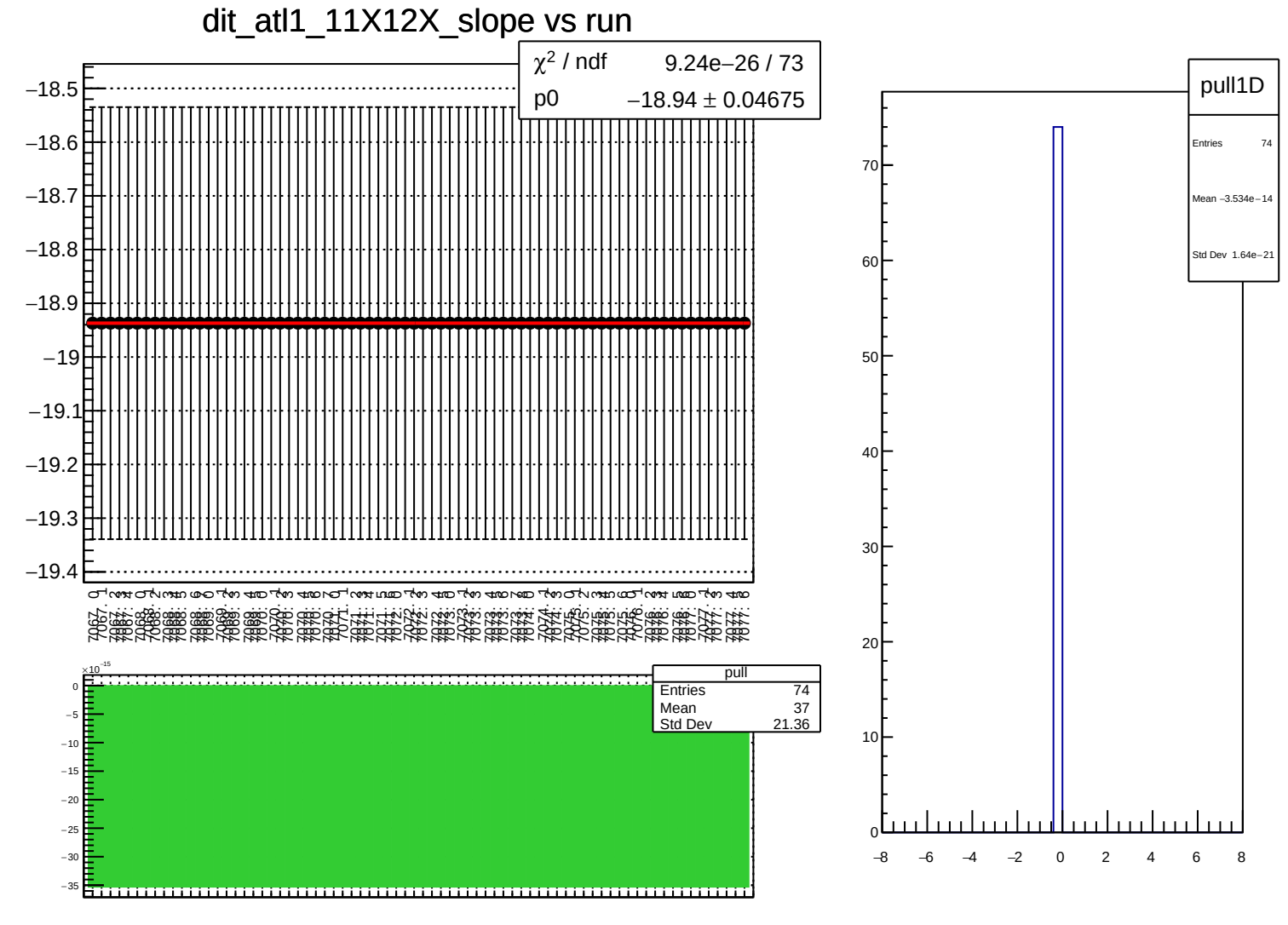

dit_usr_4aY_slope vs run
χ² / ndf 1.343e−26 / 73
p0 8.347 ± 0.03065
8.6
8.5
8.4
8.3
8.2
8.1
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 74
Mean 37
Std Dev 21.36

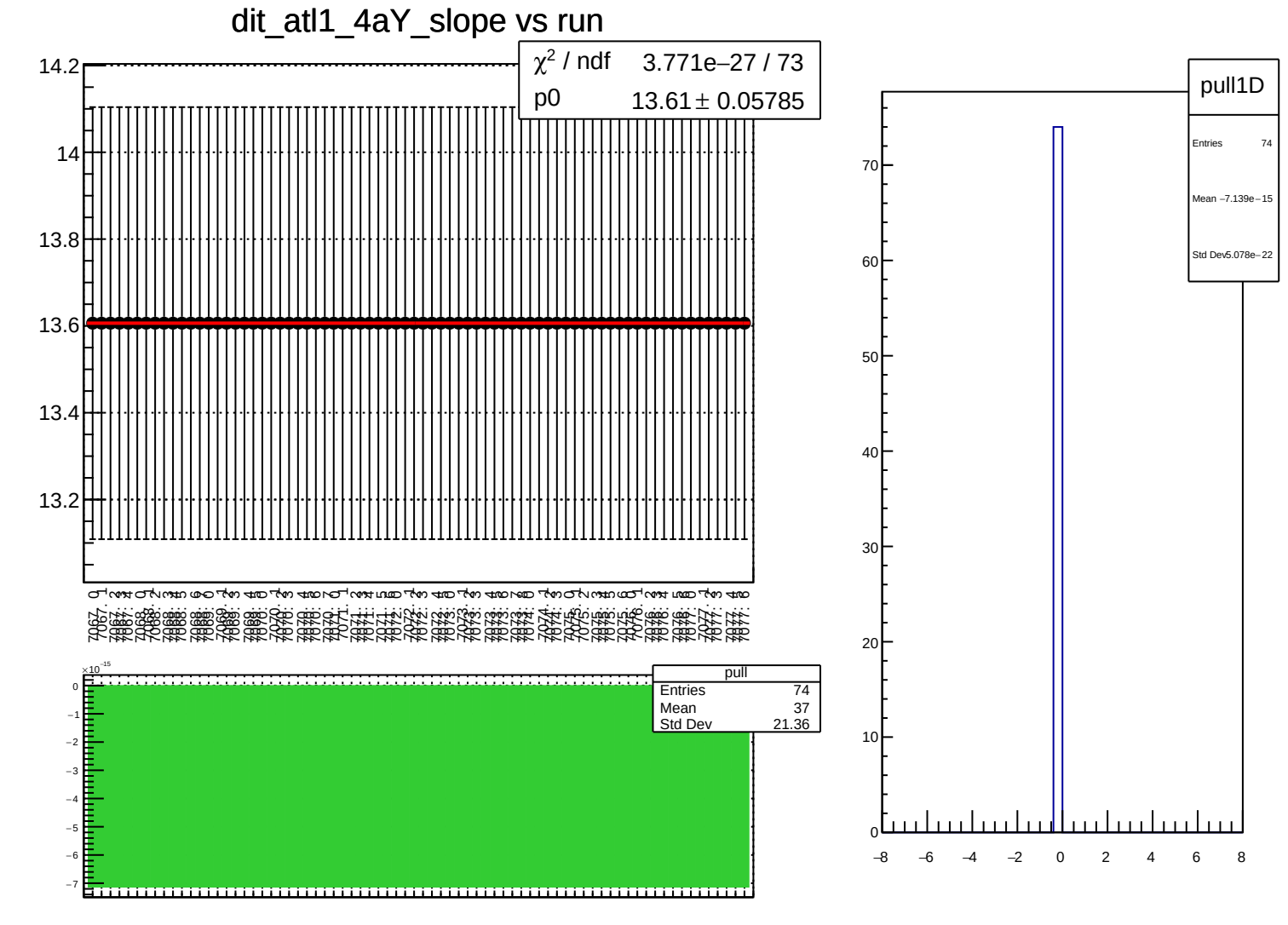

pull1D
Entries 74
Mean 1.347e−14
Std Dev4.966e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

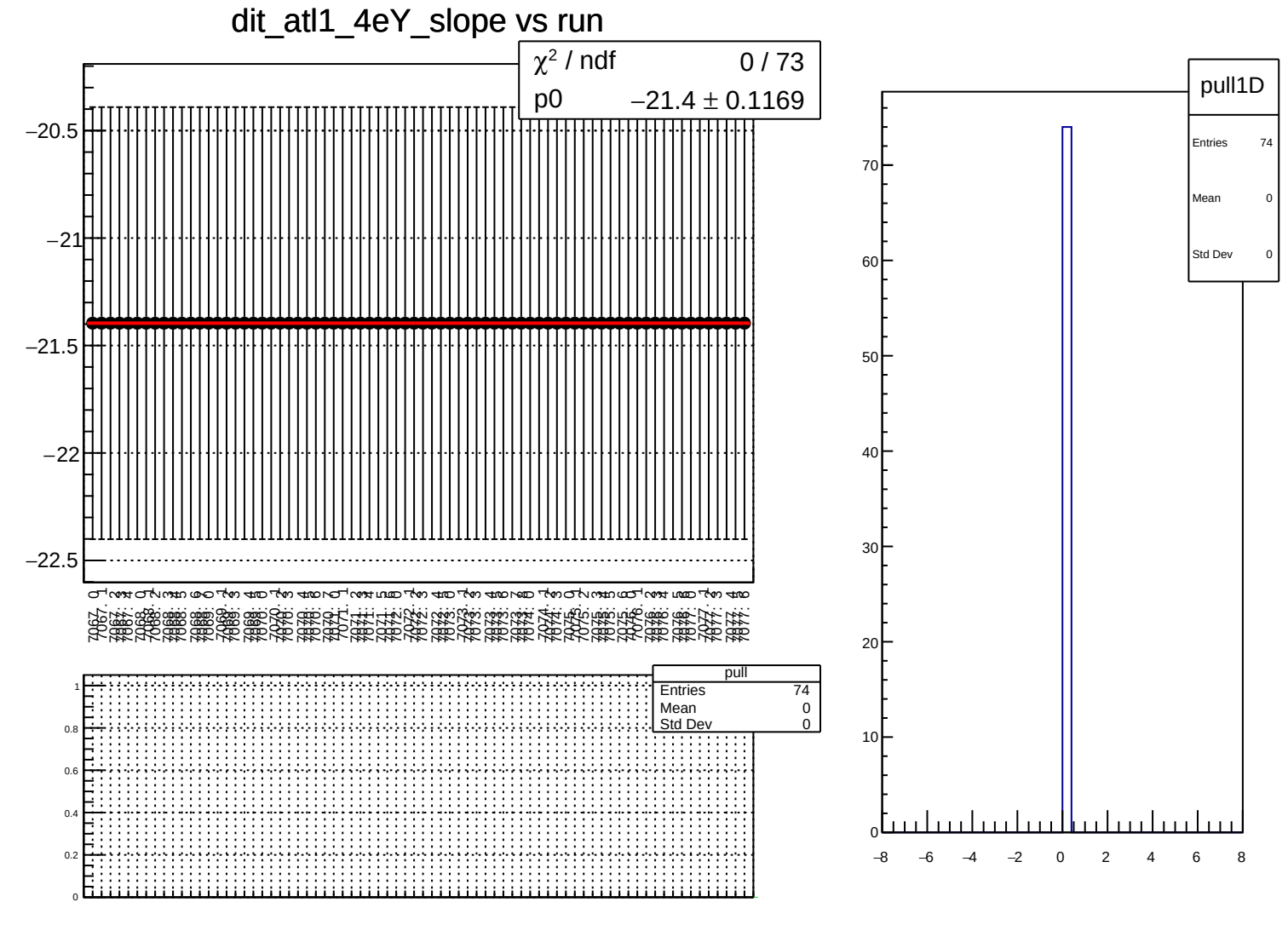

dit_usr_4eY_slope vs run
χ² / ndf 1.277e−26 / 73
p0 7.103 ± 0.0393
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −1.314e−14
Std Dev2.118e−22

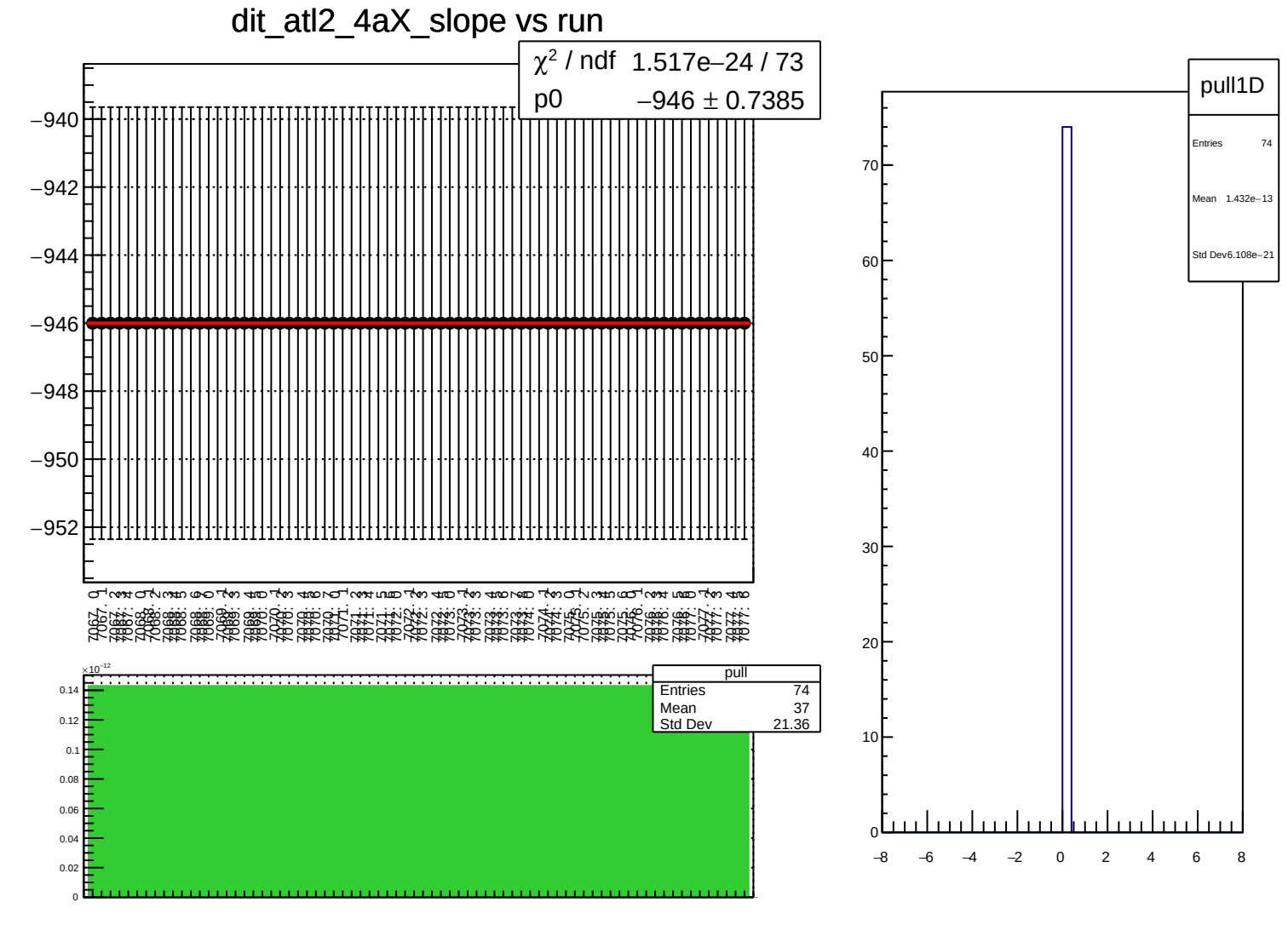

dit_atl1_4aX_slope vs run
χ² / ndf 6.949e−27 / 73
p0 −50.76 ± 0.5114
−46
−48
−50
−52
−54
−56
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 74
Mean −9.691e−15
Std Dev 5.799e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

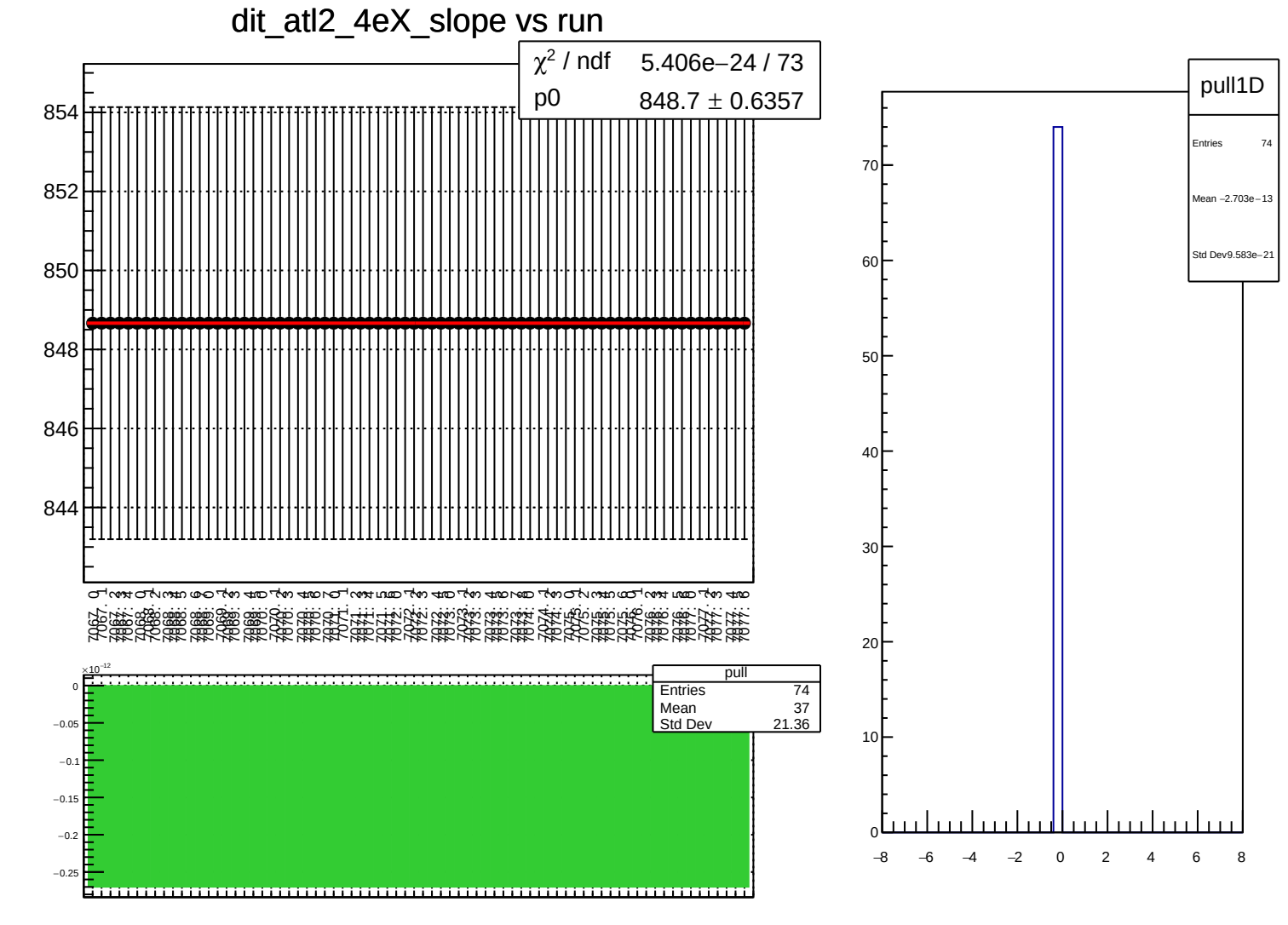

dit_atl1_4eX_slope vs run
χ² / ndf 3.581e−26 / 73
p0 86.9 ± 0.4506
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 2.2e−14
Std Dev 1.08e−21

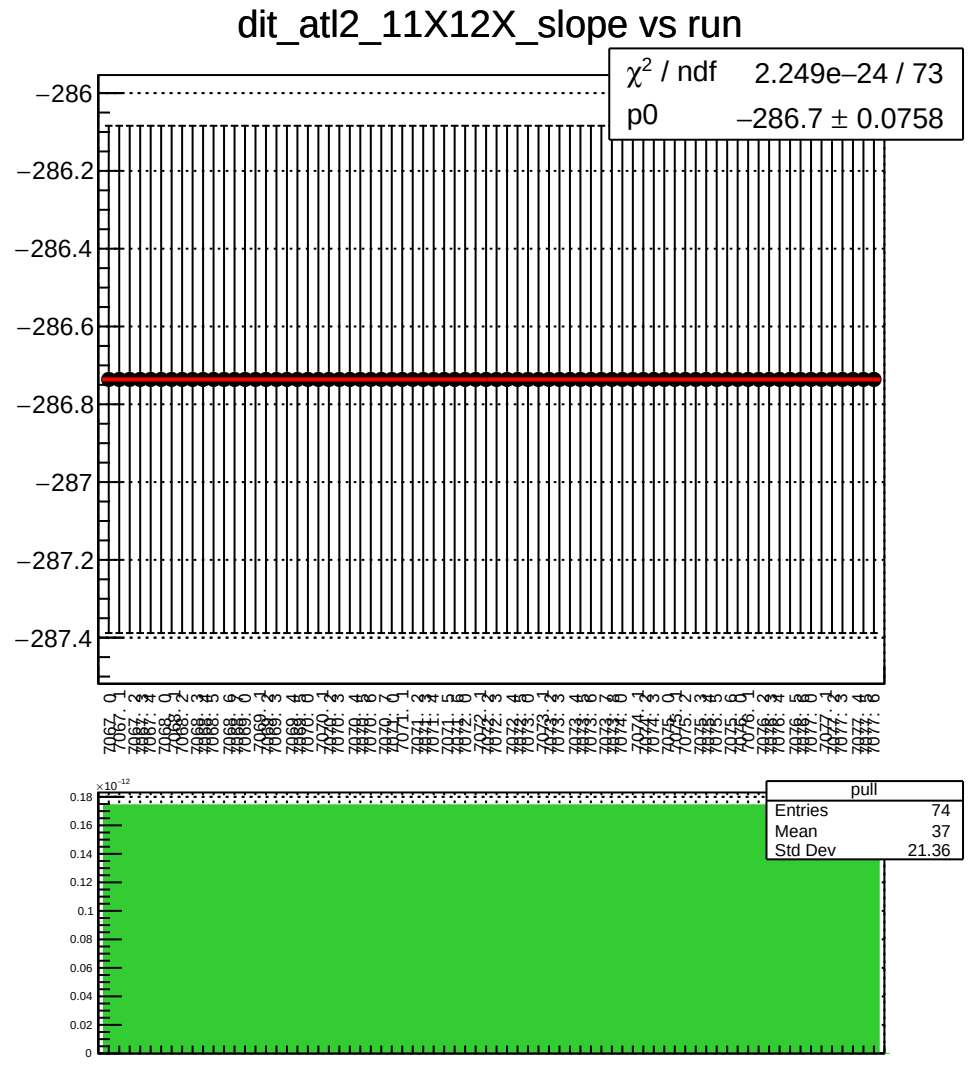

dit_atl1_11X12X_slope vs run
χ² / ndf 9.24e−26 / 73
p0 −18.94 ± 0.04675
−18.5
−18.6
−18.7
−18.8
−18.9
−19
−19.1
−19.2
−19.3
−19.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 74
Mean −3.534e−14
Std Dev 1.64e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

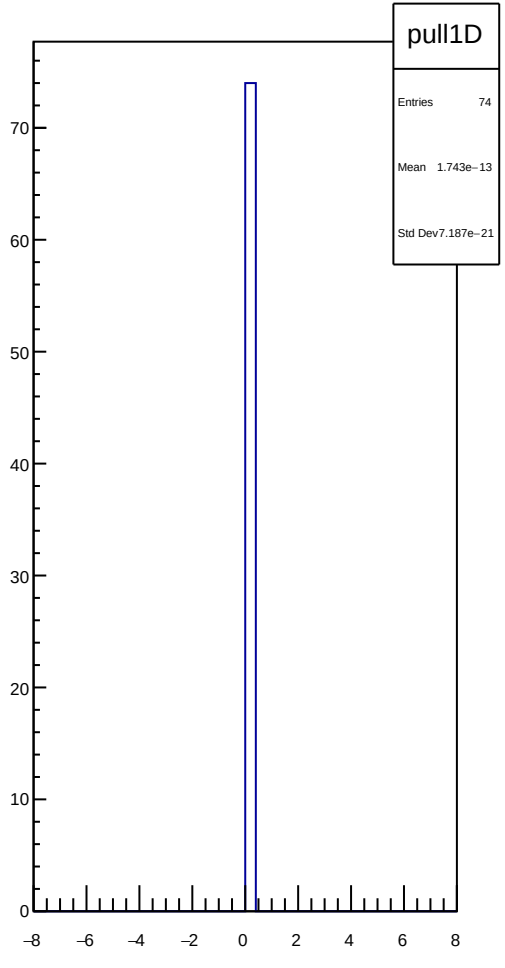

dit_atl1_4aY_slope vs run
χ² / ndf 3.771e–27 / 73
p0 13.61 ± 0.05785
14.2
14
13.8
13.6
13.4
13.2
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
pull1D
Entries 74
Mean −7.139e−15
Std Dev5.078e−22

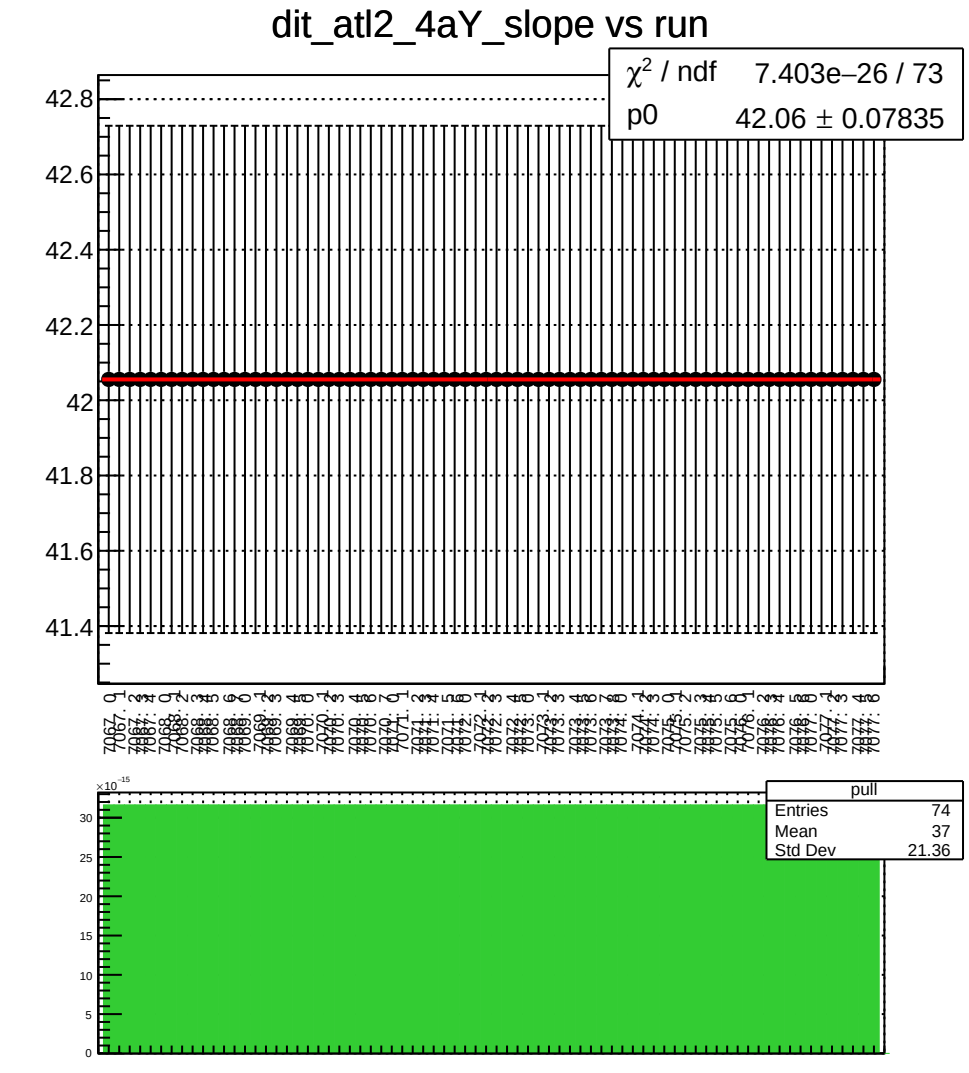

dit_atl1_4eY_slope vs run
χ² / ndf 0 / 73
p0 −21.4 ± 0.1169
−20.5
−21
−21.5
−22
−22.5
pull
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 74
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

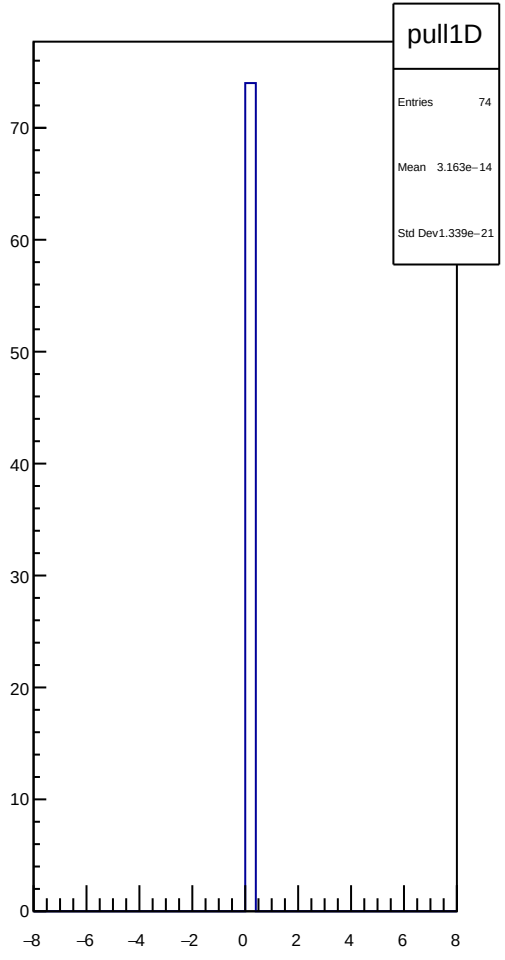

dit_atl2_4aX_slope vs run
χ² / ndf 1.517e−24 / 73
p0 −946 ± 0.7385
−940
−942
−944
−946
−948
−950
−952
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 74
Mean 1.432e−13
Std Dev6.108e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

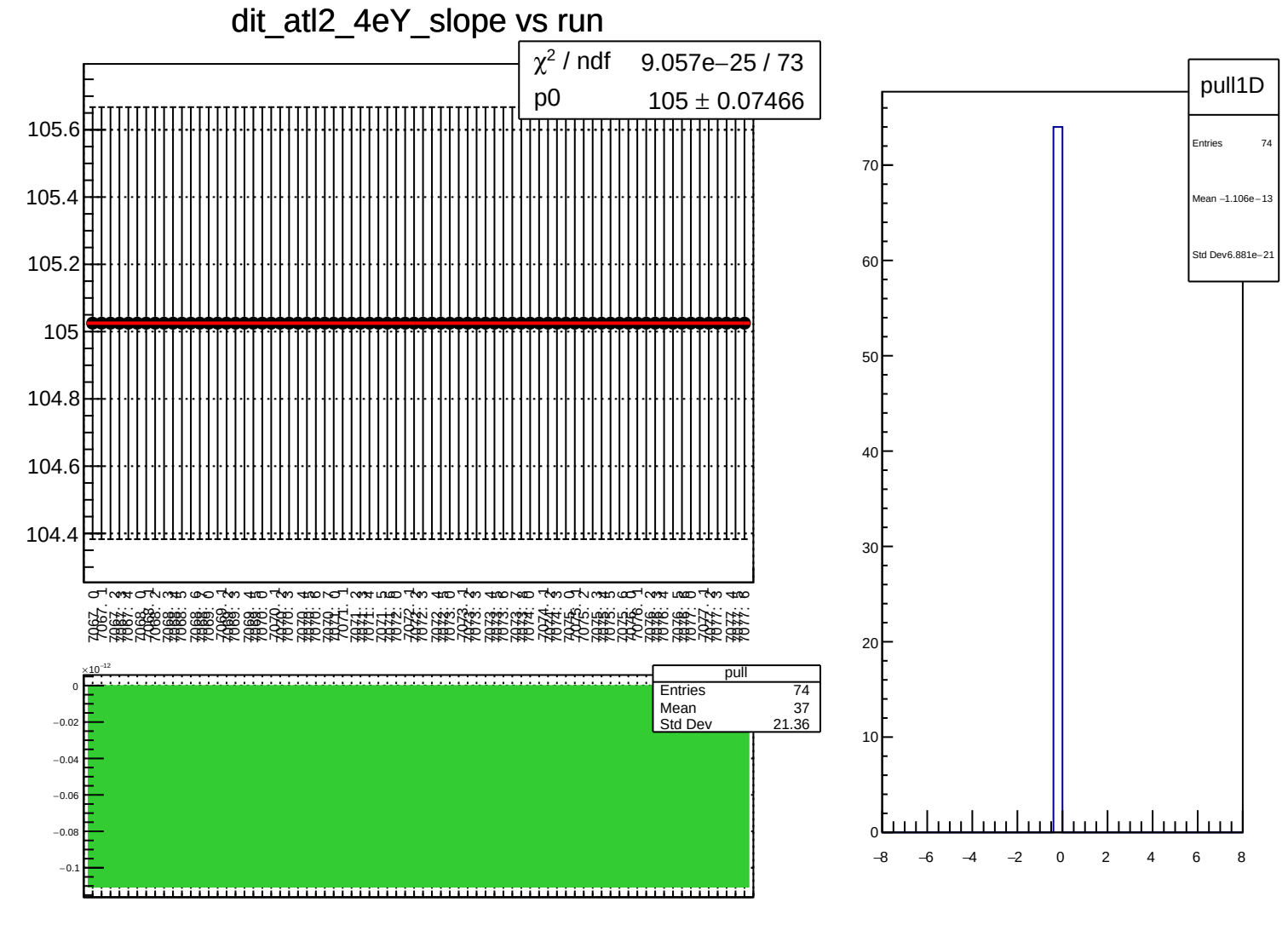

dit_atl2_4eX_slope vs run
χ² / ndf 5.406e−24 / 73
p0 848.7 ± 0.6357
854
852
850
848
846
844
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 74
Mean −2.703e−13
Std Dev9.583e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

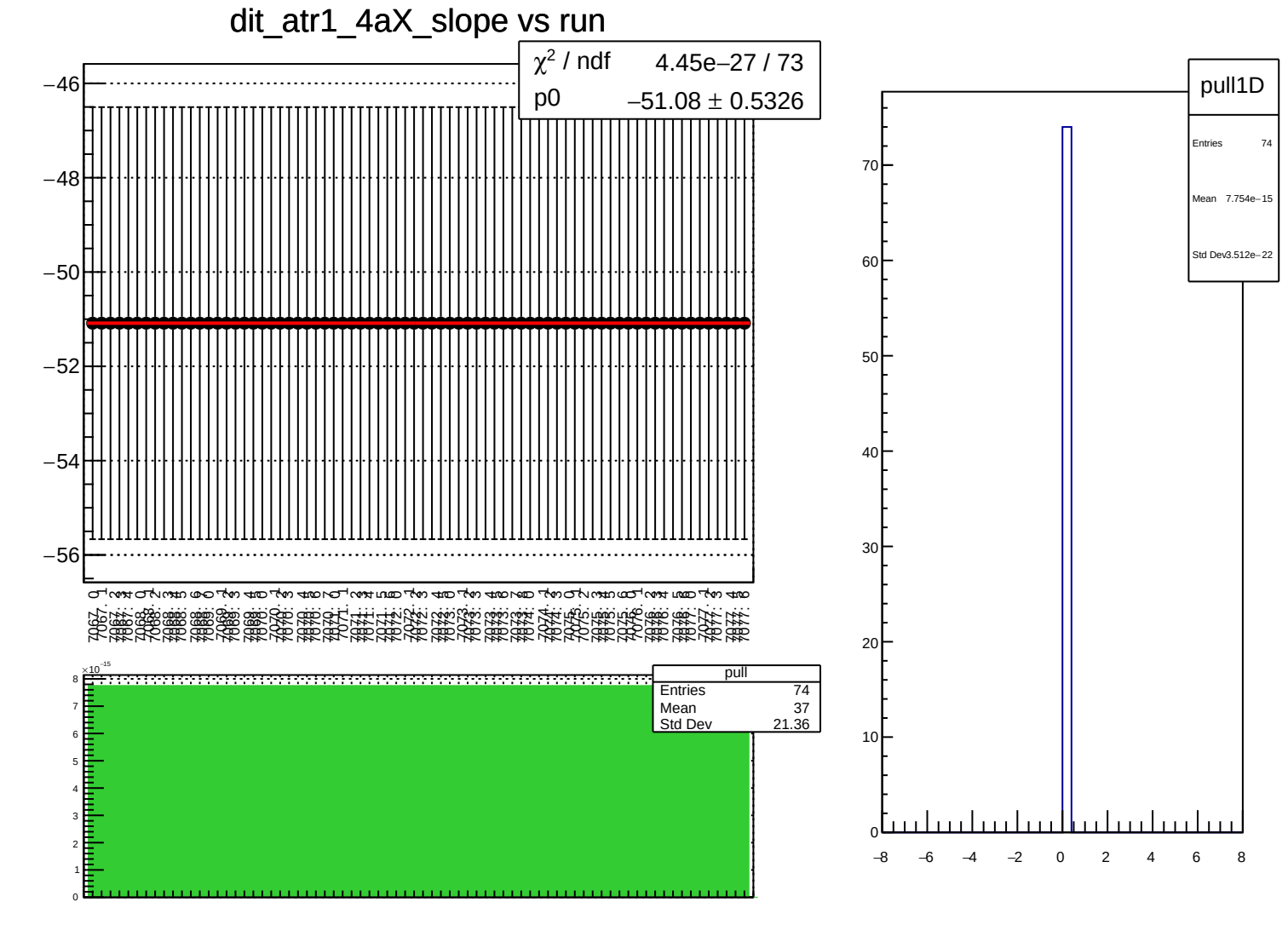

dit_atl2_11X12X_slope vs run
χ² / ndf 2.249e−24 / 73
p0 −286.7 ± 0.0758
−286
−286.2
−286.4
−286.6
−286.8
−287
−287.2
−287.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

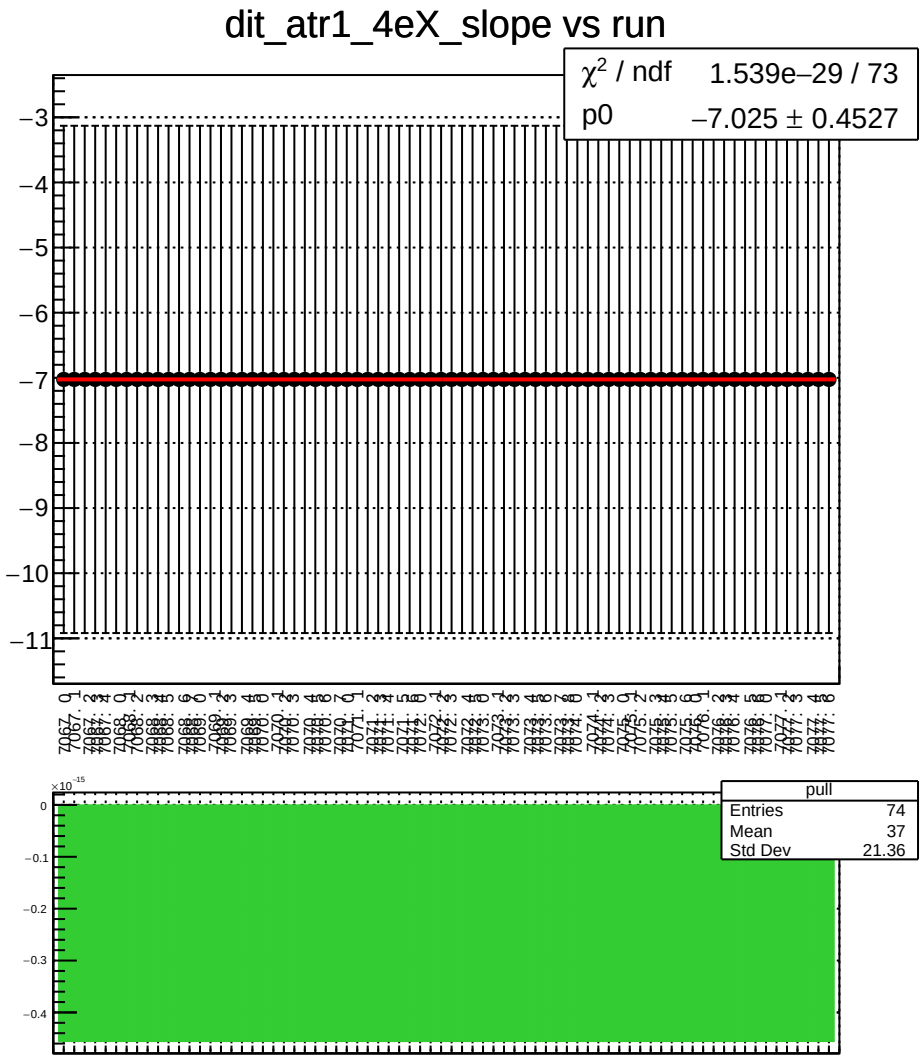

pull1D
Entries 74
Mean 1.743e−13
Std Dev7.187e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

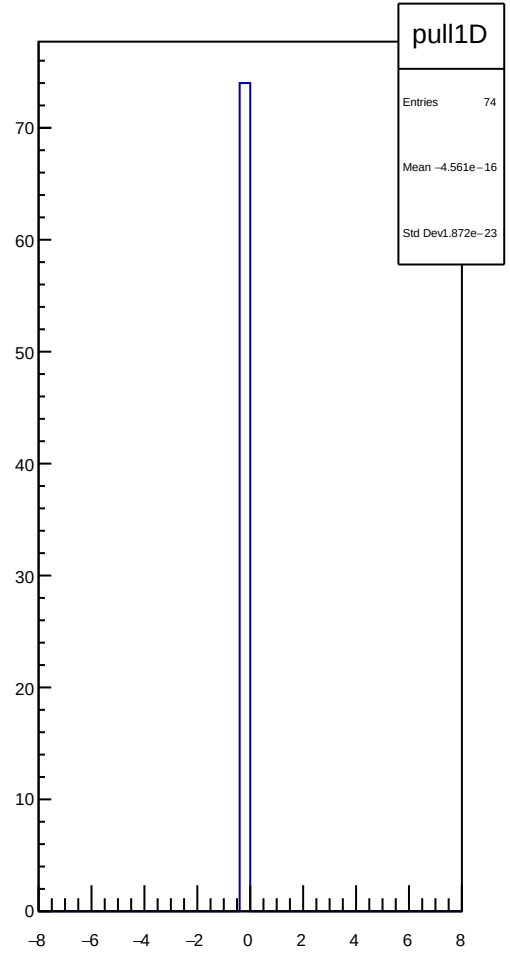

dit_atl2_4aY_slope vs run
χ² / ndf 7.403e−26 / 73
p0 42.06 ± 0.07835
42.8
42.6
42.4
42.2
42
41.8
41.6
41.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
30
25
20
15
10
5
0

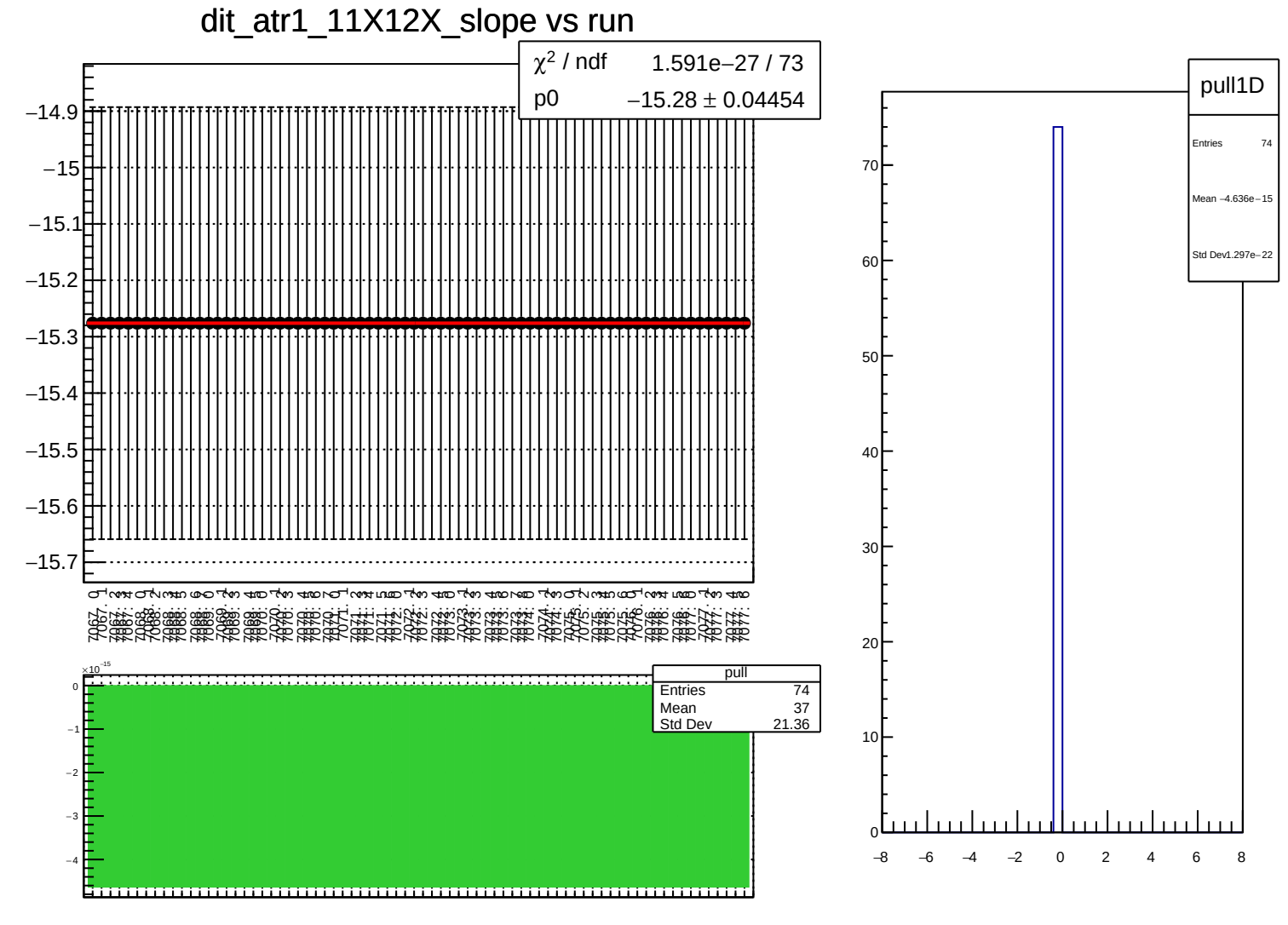

pull1D
Entries 74
Mean 3.163e−14
Std Dev1.339e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

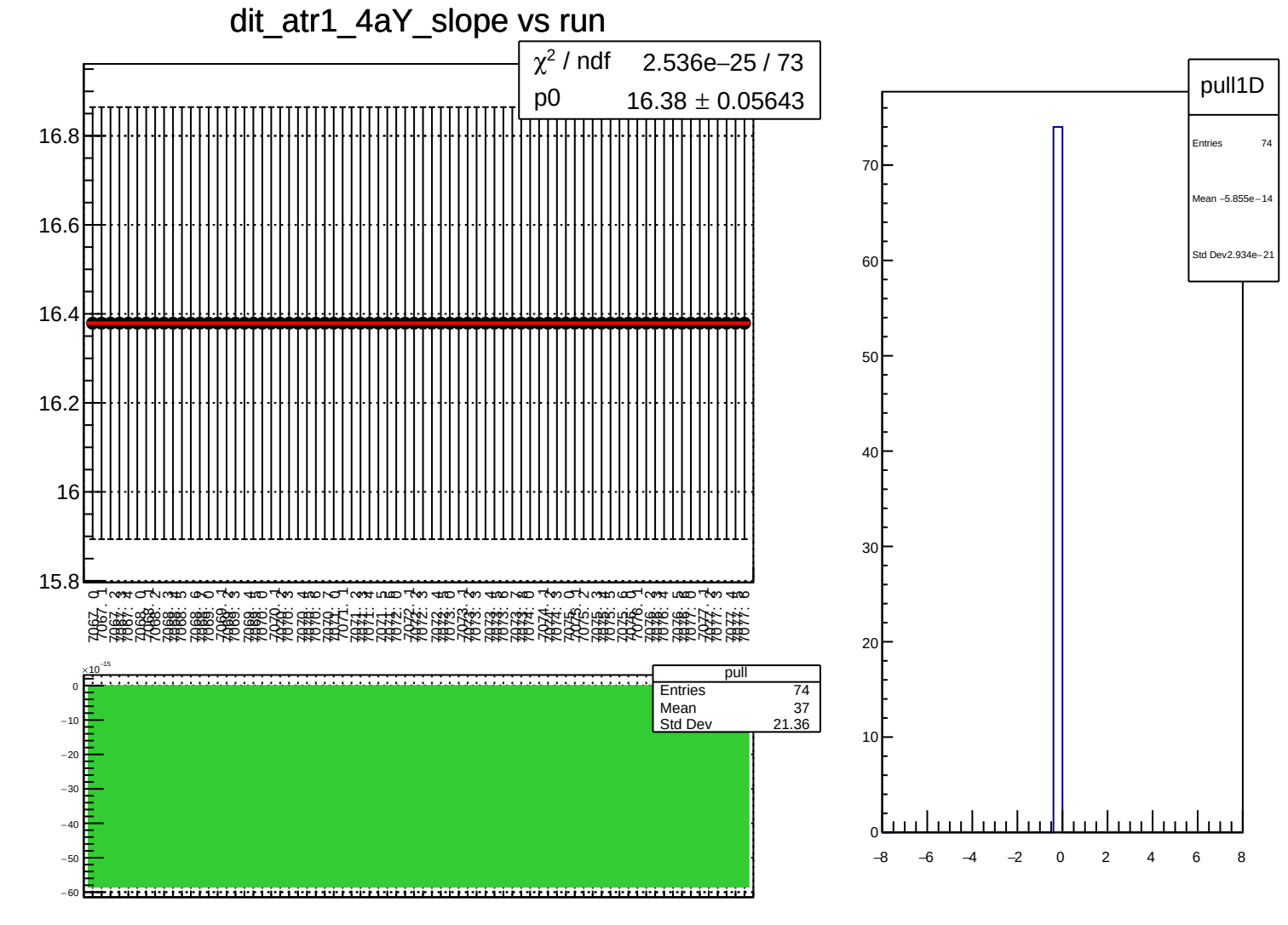

dit_atl2_4eY_slope vs run
χ^2 / ndf 9.057e−25 / 73
p0 105 ± 0.07466
105.6
105.4
105.2
105
104.8
104.6
104.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 74
Mean −1.106e−13
Std Dev6.881e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

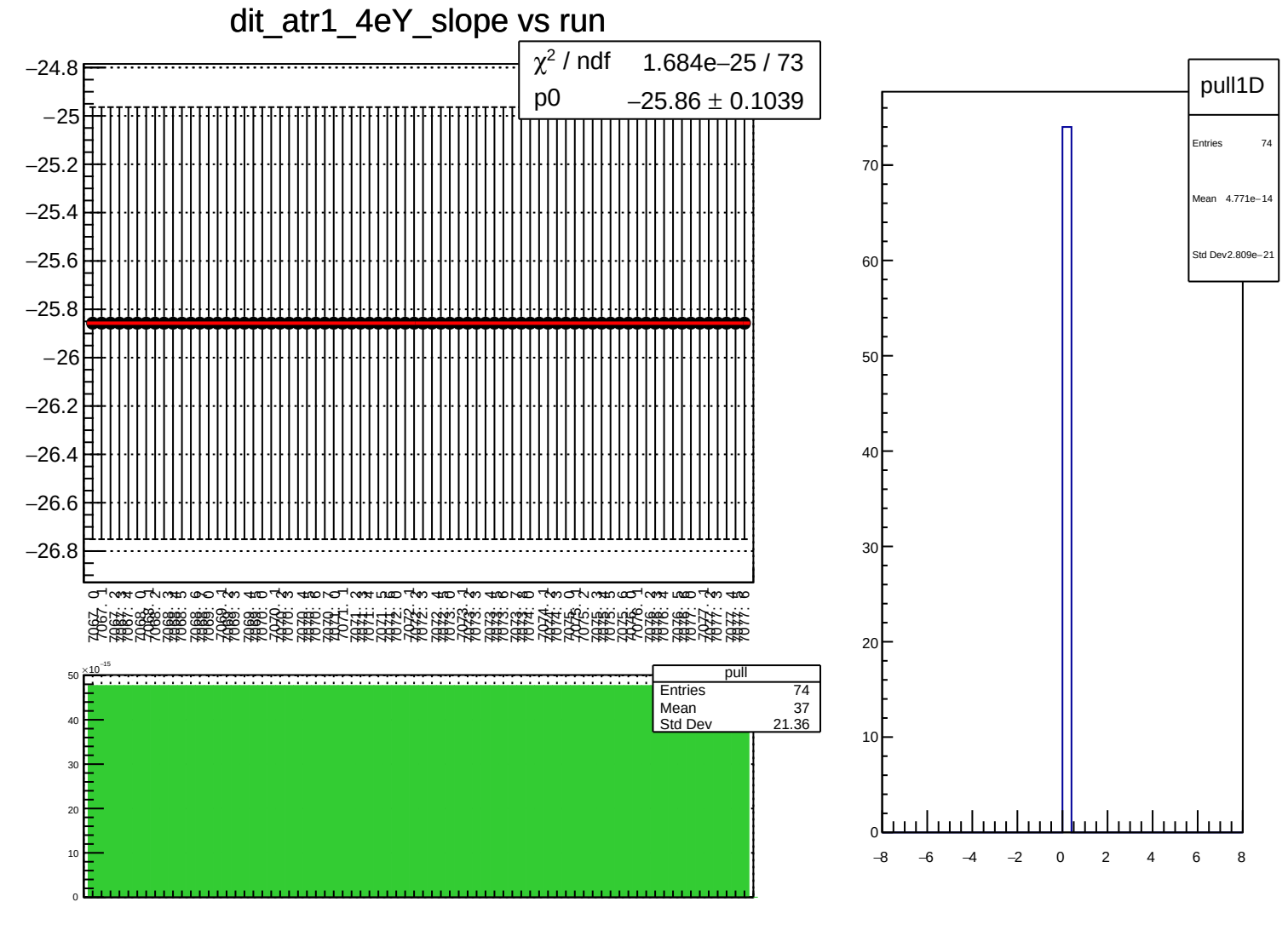

dit_atr1_4aX_slope vs run
χ² / ndf 4.45e−27 / 73
p0 −51.08 ± 0.5326
−46
−48
−50
−52
−54
−56
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
pull1D
Entries 74
Mean 7.754e−15
Std Dev 3.512e−22

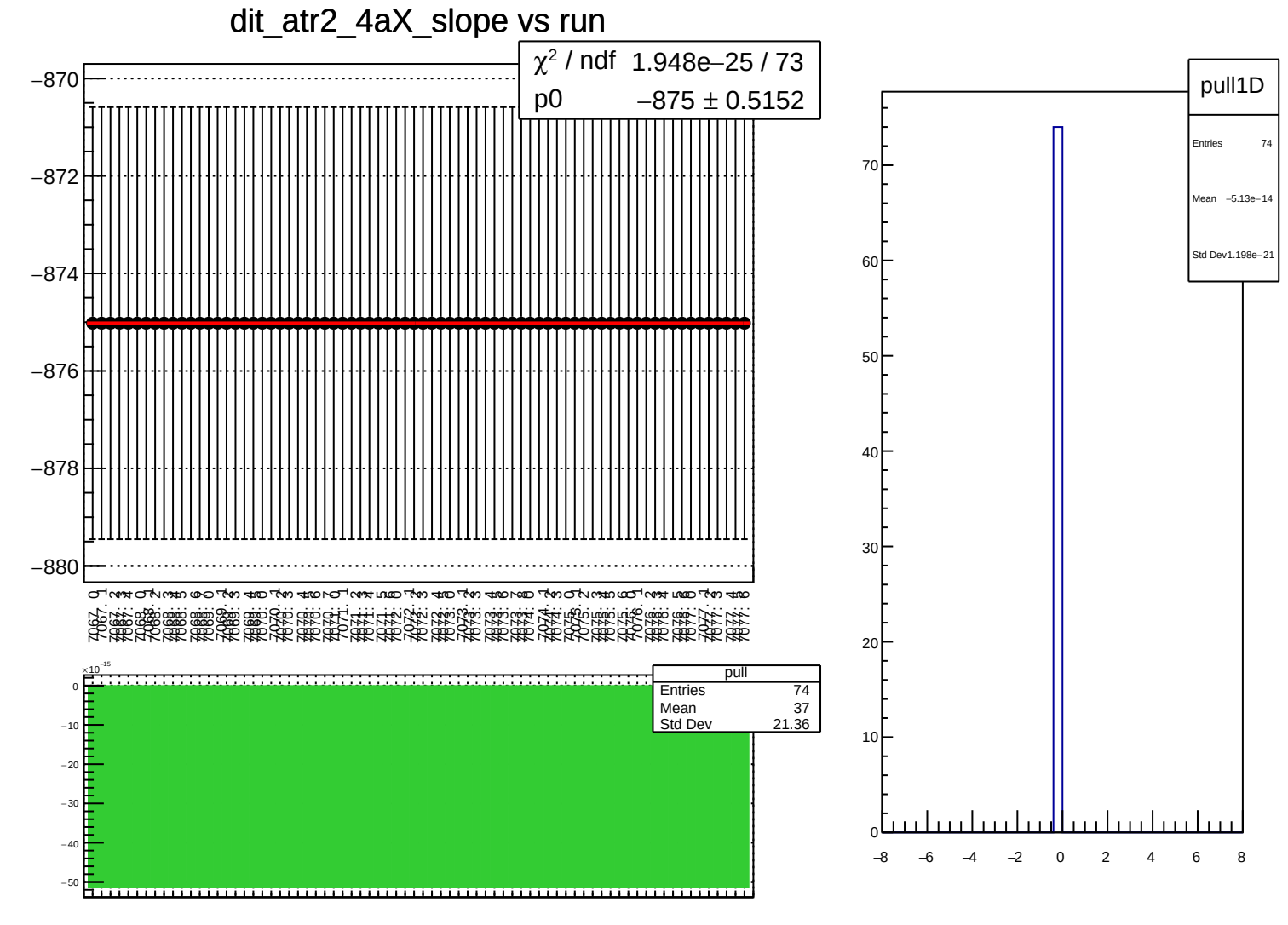

dit_atr1_4eX_slope vs run
χ² / ndf 1.539e−29 / 73
p0 −7.025 ± 0.4527
pull
Entries 74
Mean 37
Std Dev 21.36

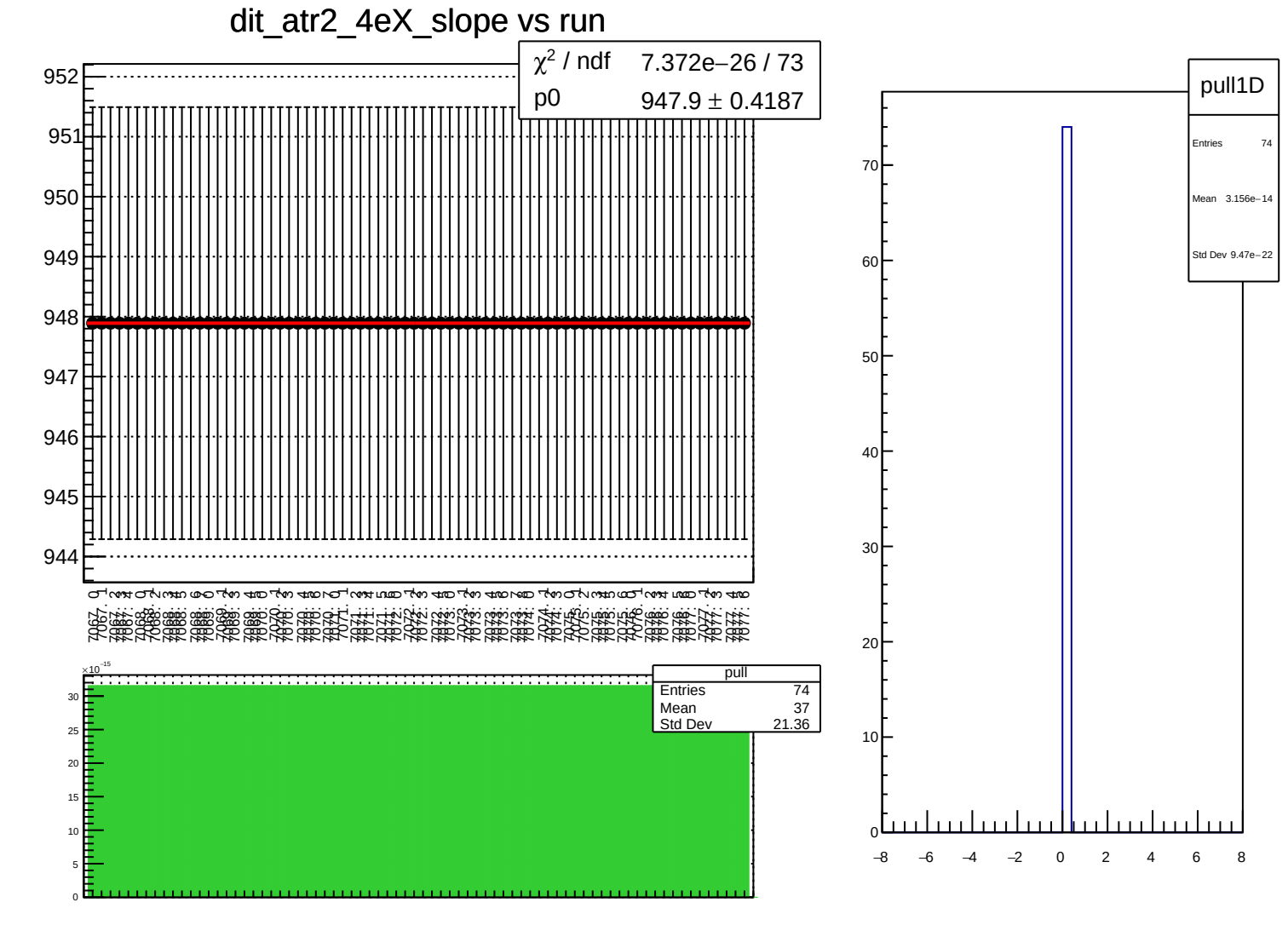

pull1D
Entries 74
Mean −4.561e−16
Std Dev1.872e−23

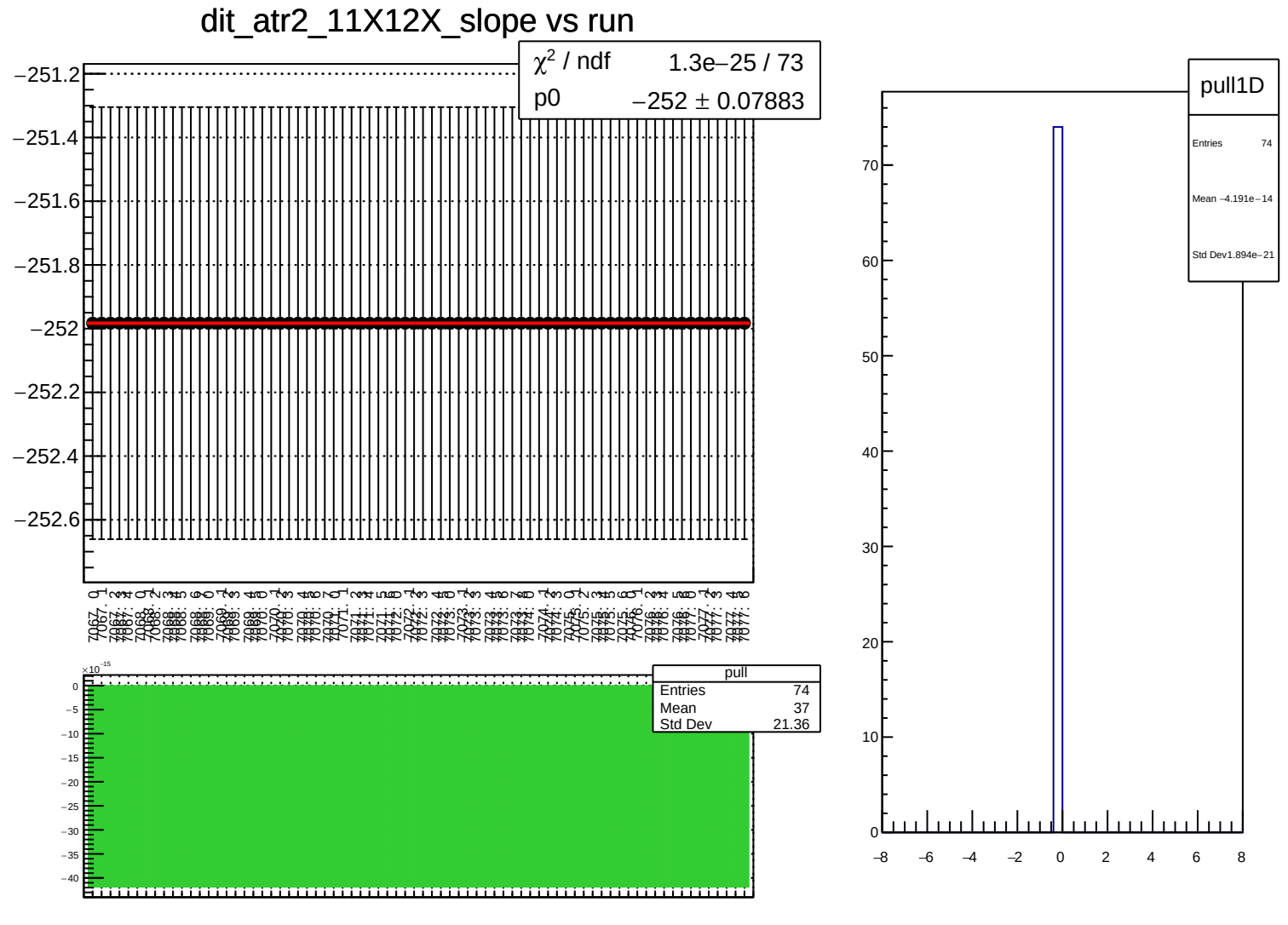

dit_atr1_11X12X_slope vs run
χ² / ndf 1.591e−27 / 73
p0 −15.28 ± 0.04454
−14.9
−15
−15.1
−15.2
−15.3
−15.4
−15.5
−15.6
−15.7
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −4.636e−15
Std Dev 1.297e−22

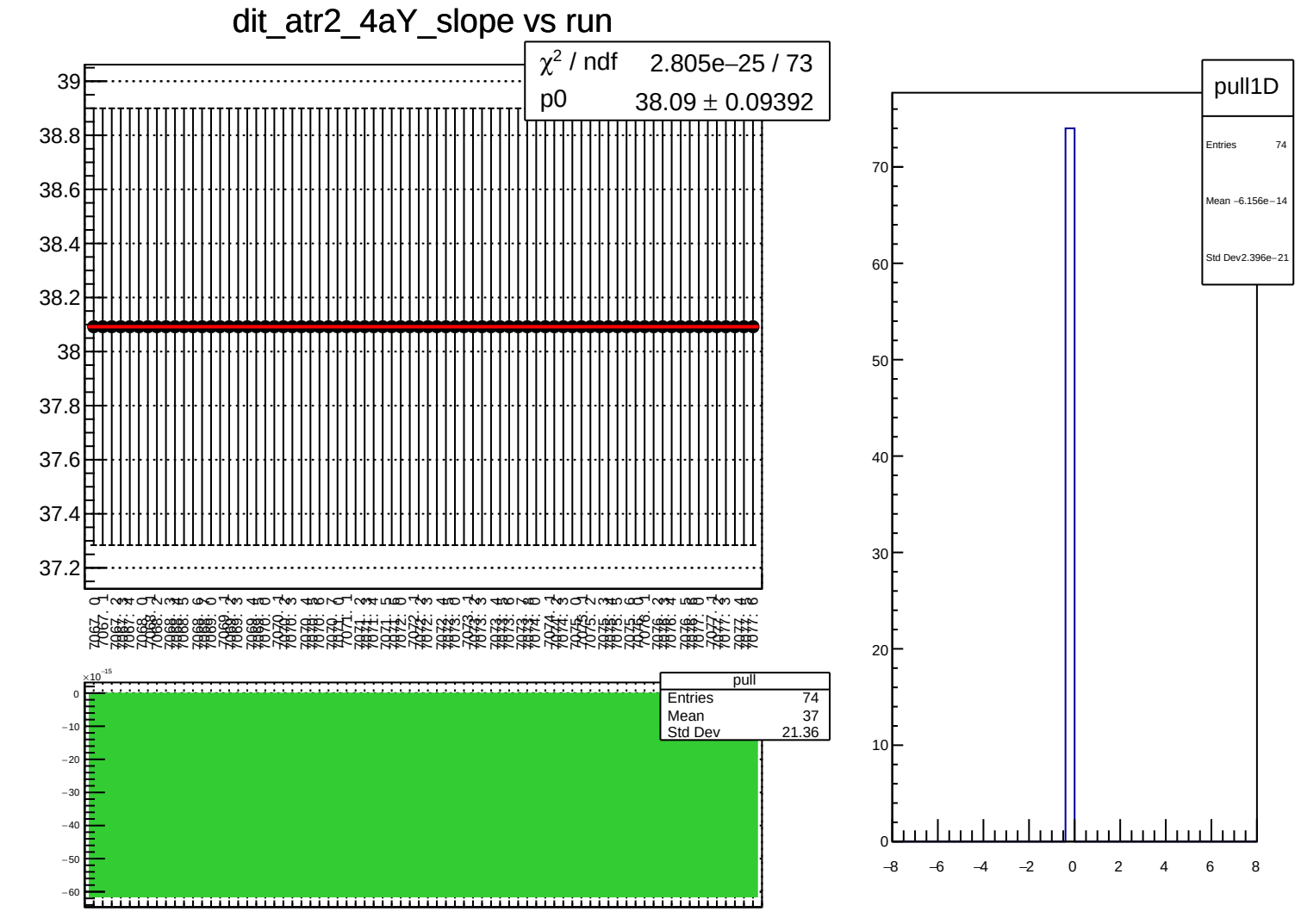

dit_atr1_4aY_slope vs run
χ² / ndf 2.536e−25 / 73
p0 16.38 ± 0.05643
16.8
16.6
16.4
16.2
16
15.8
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 74
Mean −5.855e−14
Std Dev2.934e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

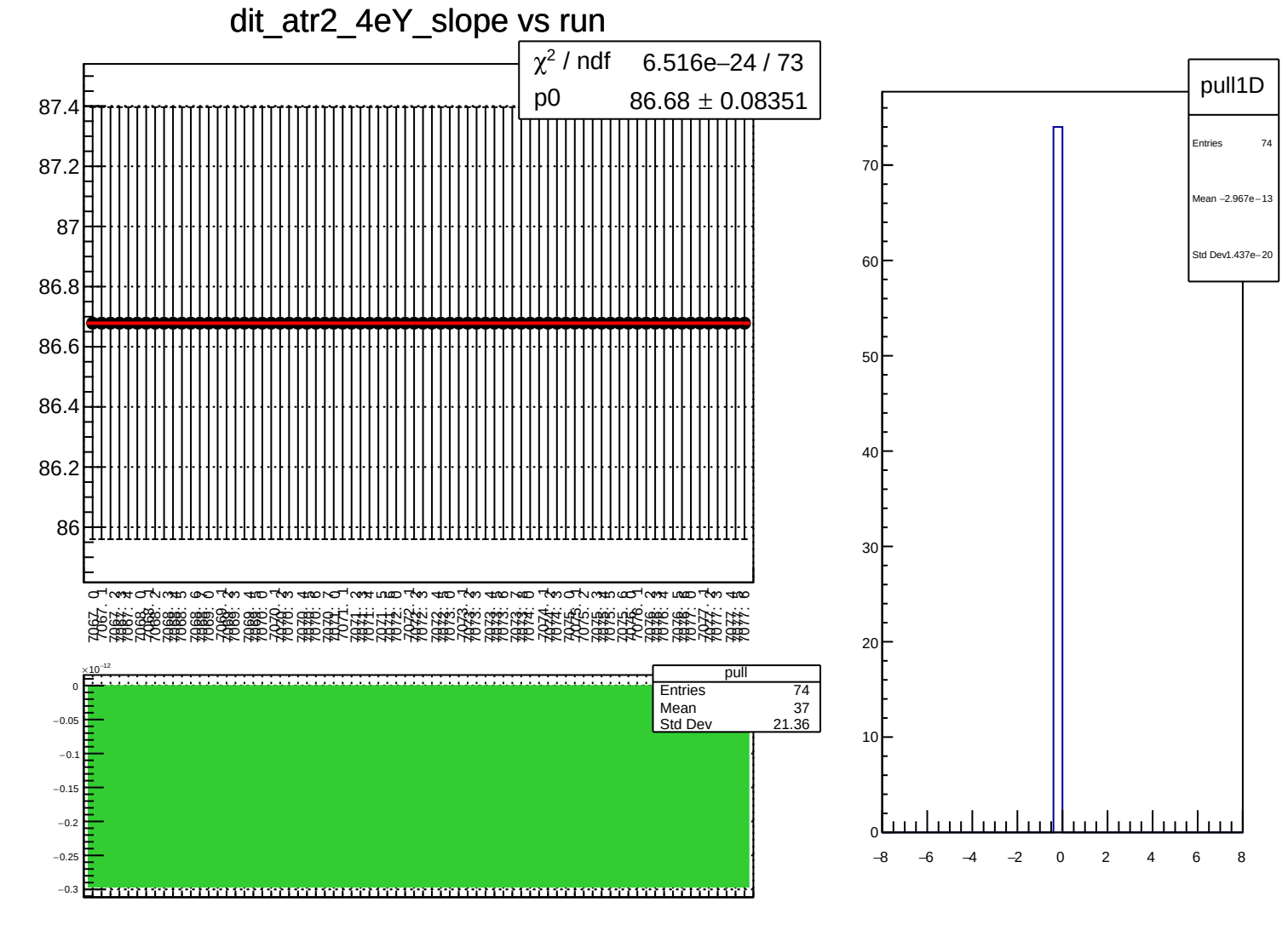

dit_atr1_4eY_slope vs run
χ² / ndf 1.684e−25 / 73
p0 −25.86 ± 0.1039
−24.8
−25
−25.2
−25.4
−25.6
−25.8
−26
−26.2
−26.4
−26.6
−26.8
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 74
Mean 4.771e−14
Std Dev2.809e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

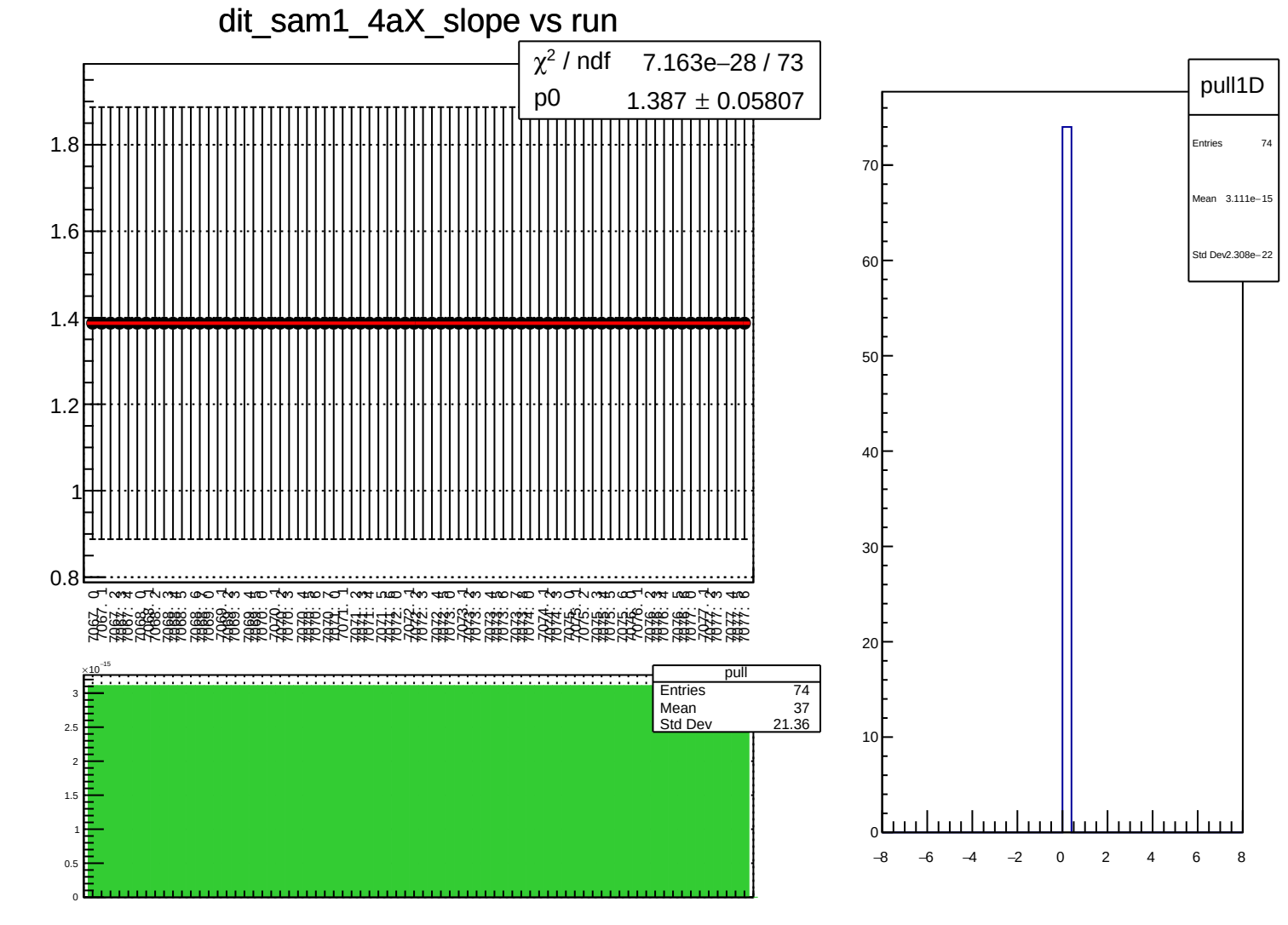

dit_atr2_4aX_slope vs run
χ² / ndf 1.948e−25 / 73
p0 −875 ± 0.5152
−870
−872
−874
−876
−878
−880
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 74
Mean −5.13e−14
Std Dev1.198e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

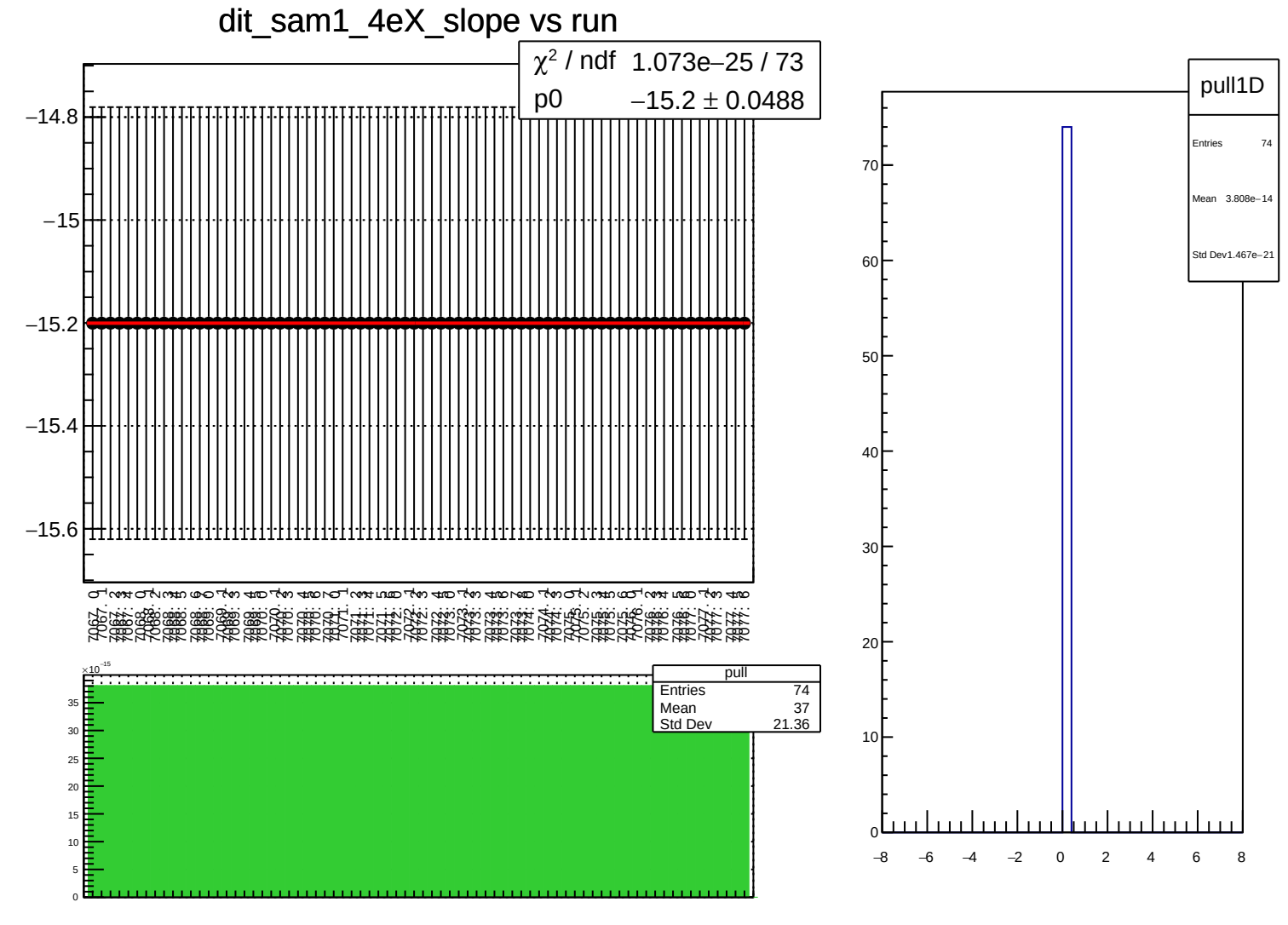

dit_atr2_4eX_slope vs run
χ² / ndf 7.372e−26 / 73
p0 947.9 ± 0.4187
952
951
950
949
948
947
946
945
944
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 74
Mean 3.156e−14
Std Dev 9.47e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

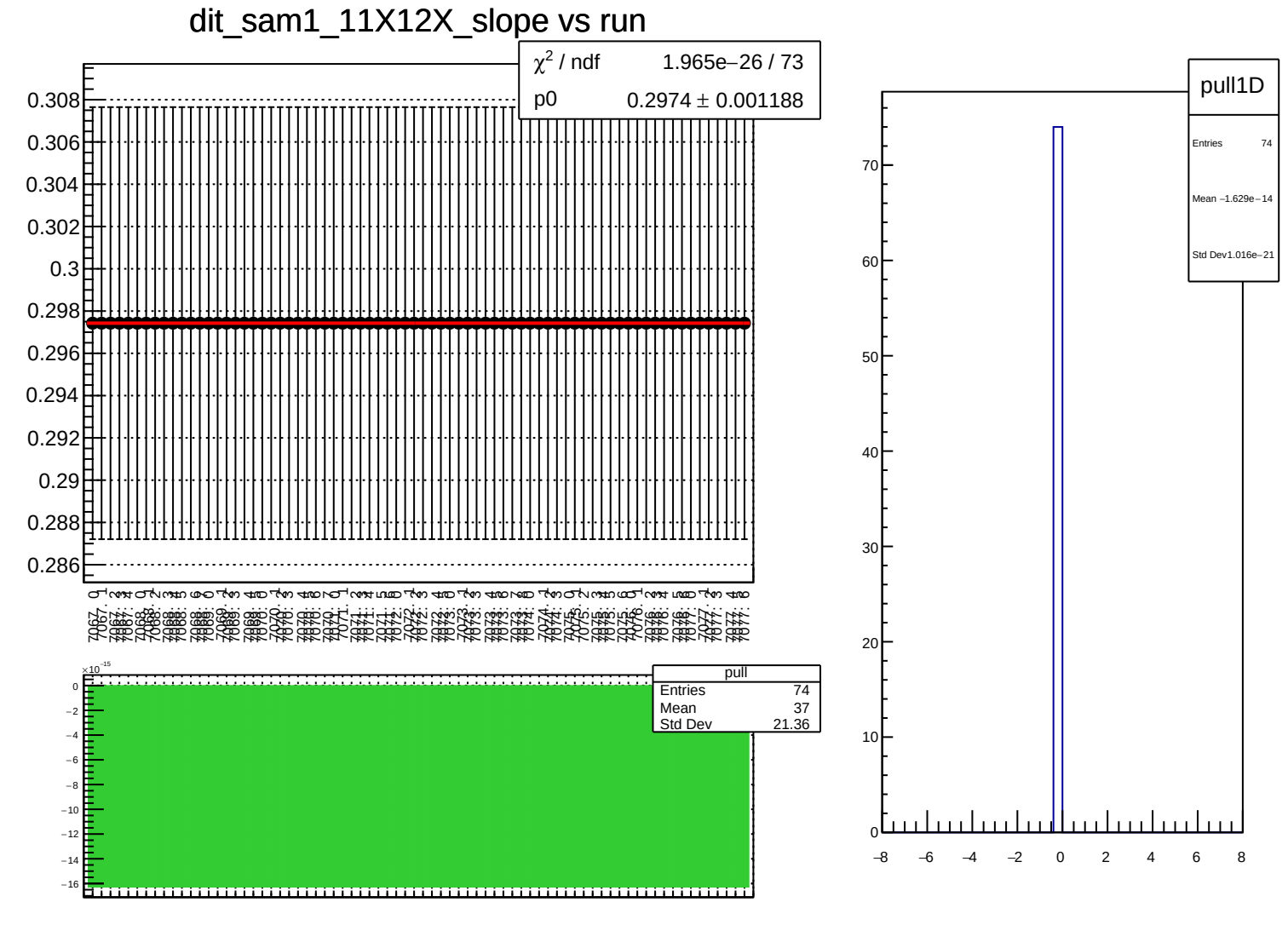

dit_atr2_11X12X_slope vs run
χ² / ndf 1.3e−25 / 73
p0 −252 ± 0.07883
−251.2
−251.4
−251.6
−251.8
−252
−252.2
−252.4
−252.6
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 74
Mean −4.191e−14
Std Dev1.894e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

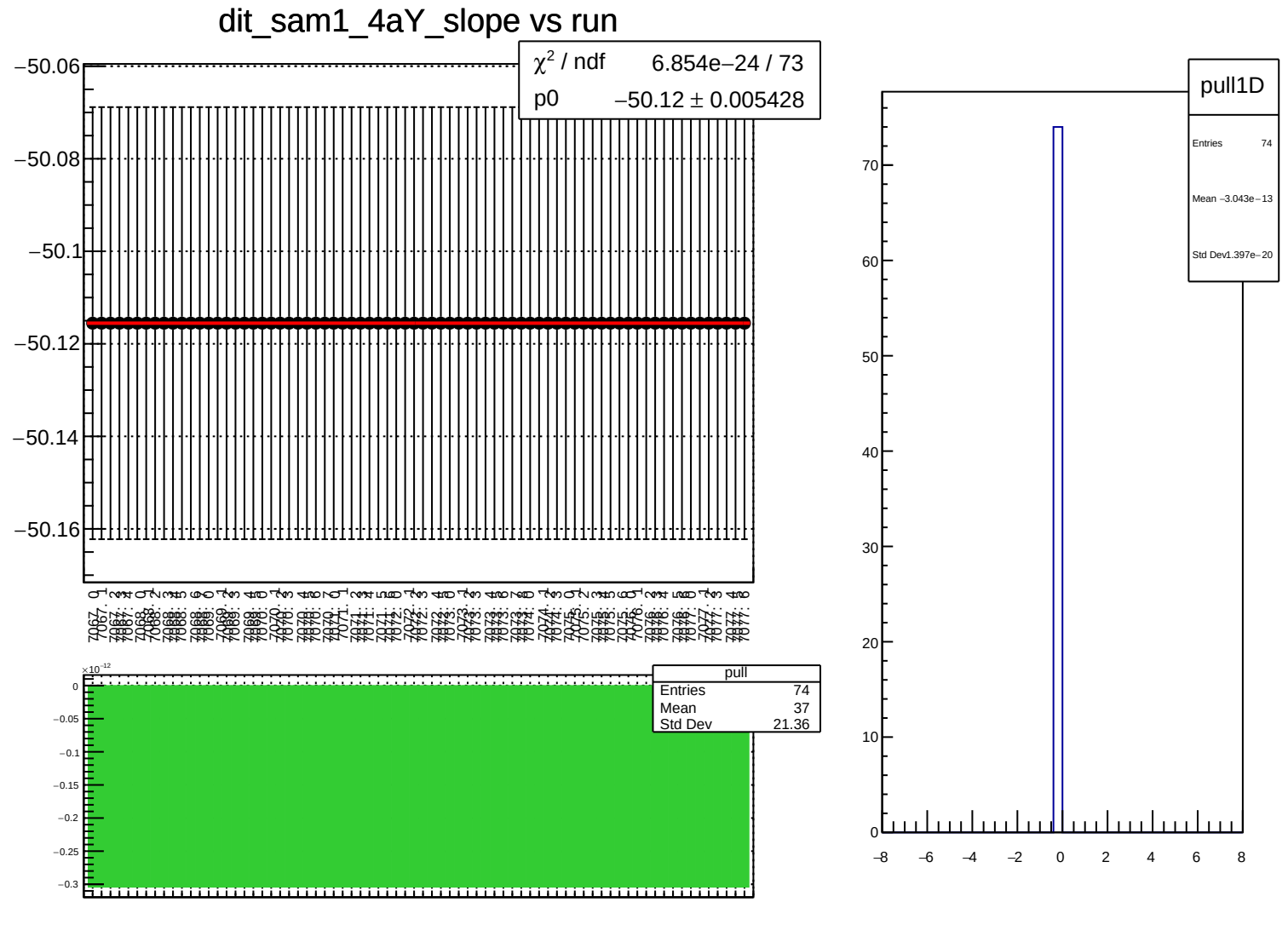

dit_atr2_4aY_slope vs run
χ² / ndf 2.805e−25 / 73
p0 38.09 ± 0.09392
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −6.156e−14
Std Dev2.396e−21

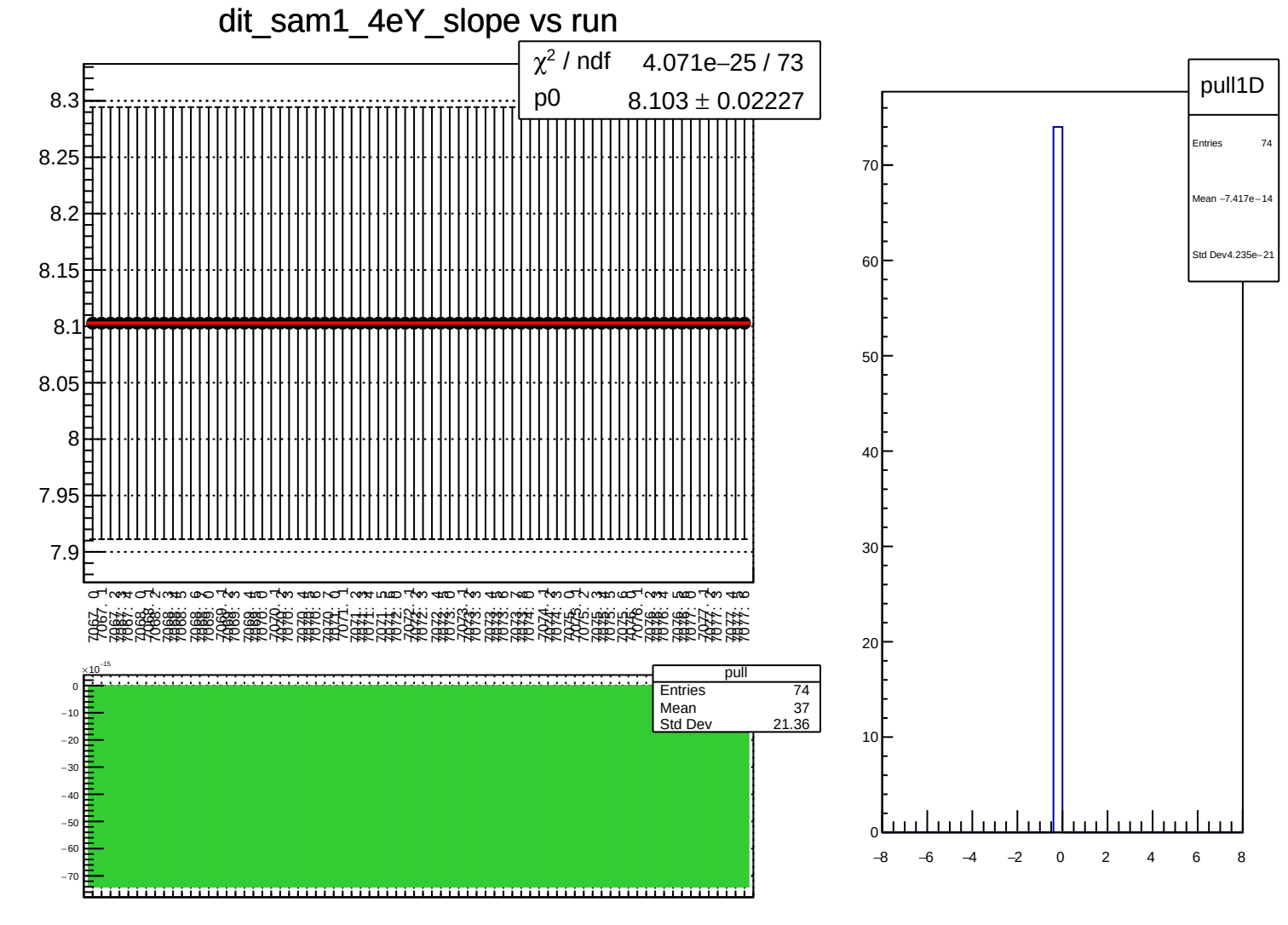

dit_atr2_4eY_slope vs run
χ² / ndf 6.516e−24 / 73
p0 86.68 ± 0.08351
87.4
87.2
87
86.8
86.6
86.4
86.2
86
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 74
Mean −2.967e−13
Std Dev1.437e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

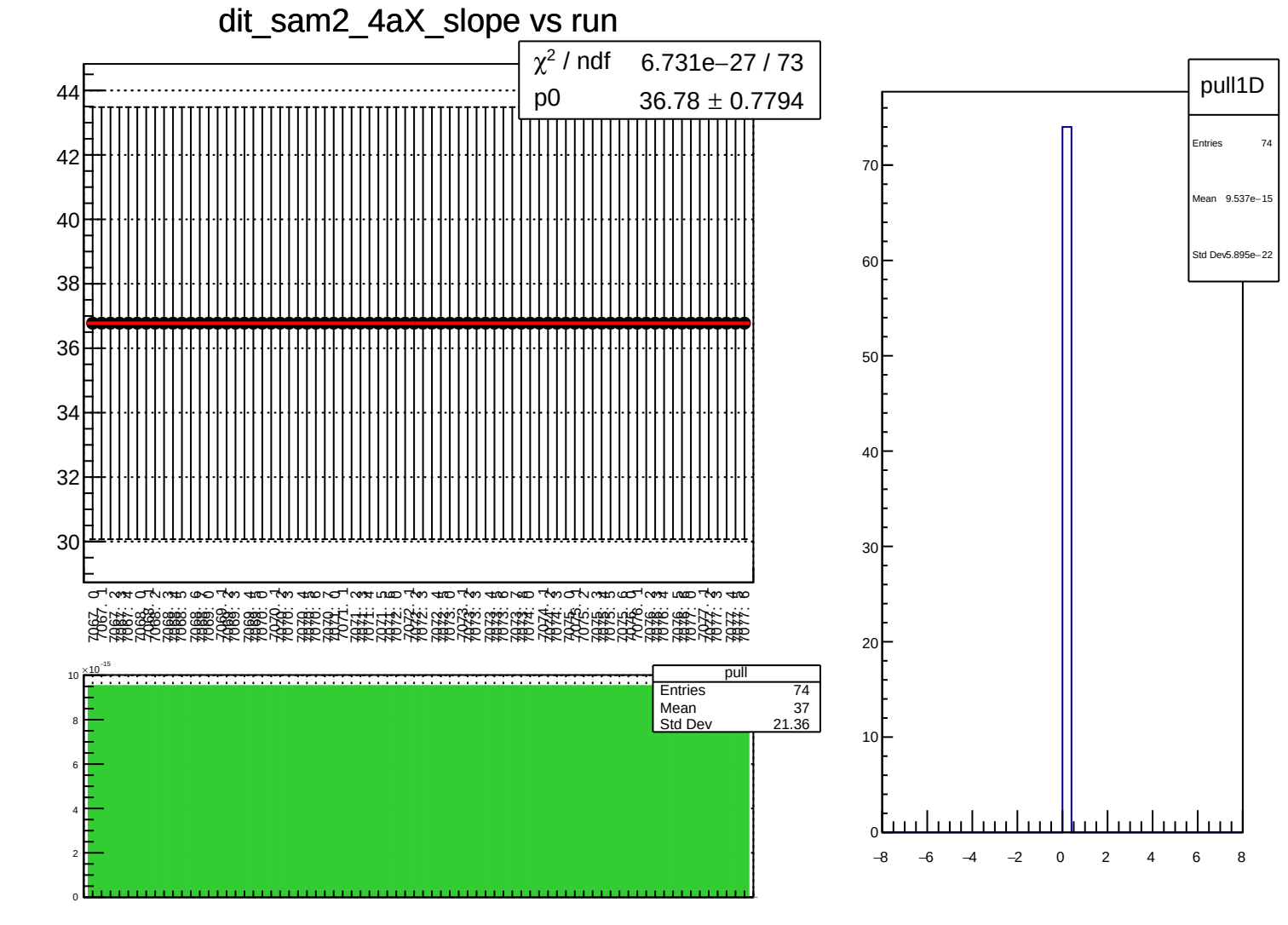

dit_sam1_4aX_slope vs run
χ² / ndf 7.163e−28 / 73
p0 1.387 ± 0.05807
1.8
1.6
1.4
1.2
1
0.8
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 74
Mean 3.111e−15
Std Dev 2.308e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

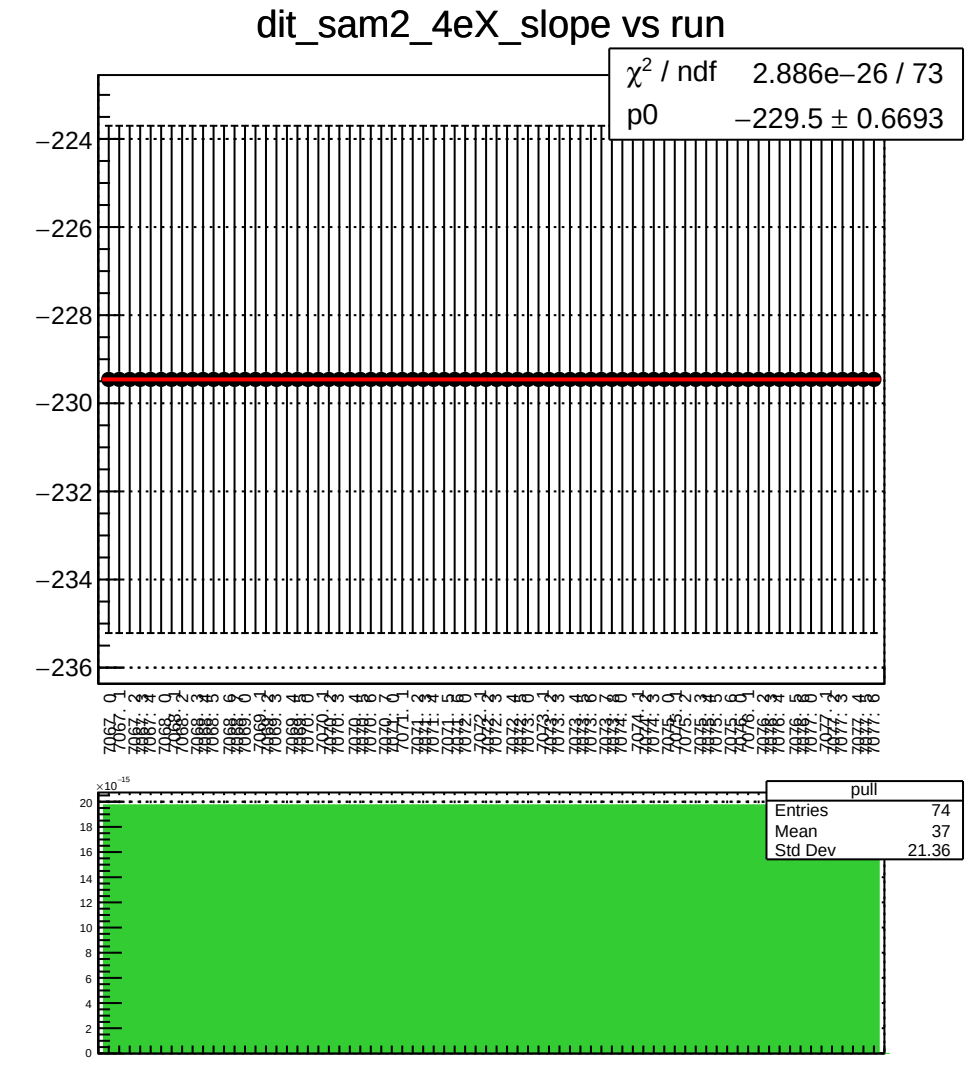

dit_sam1_4eX_slope vs run
χ² / ndf 1.073e−25 / 73
p0 −15.2 ± 0.0488
−14.8
−15
−15.2
−15.4
−15.6
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
pull1D
Entries 74
Mean 3.808e−14
Std Dev1.467e−21

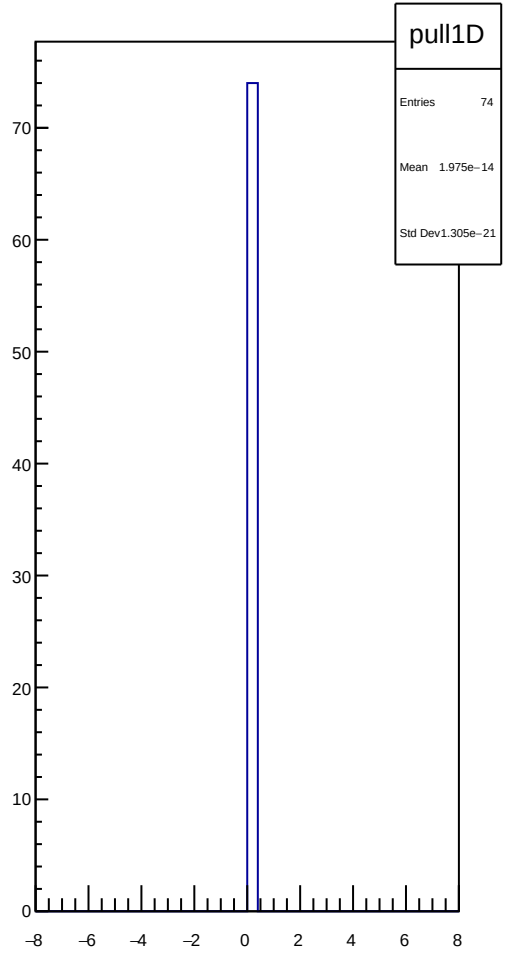

dit_sam1_11X12X_slope vs run
χ² / ndf 1.965e−26 / 73
p0 0.2974 ± 0.001188
0.308
0.306
0.304
0.302
0.3
0.298
0.296
0.294
0.292
0.29
0.288
0.286
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 74
Mean −1.629e−14
Std Dev1.016e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

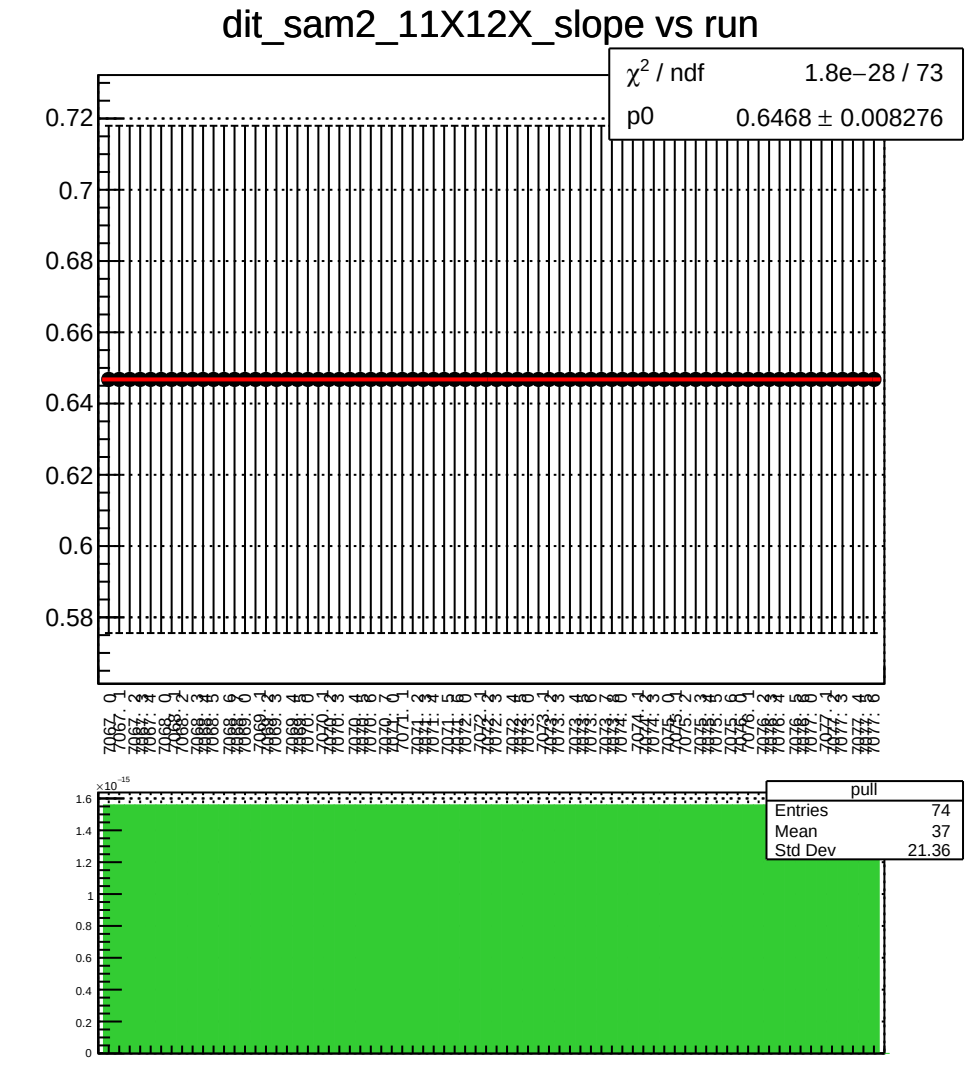

dit_sam1_4aY_slope vs run
χ² / ndf 6.854e−24 / 73
p0 −50.12 ± 0.005428
−50.06
−50.08
−50.1
−50.12
−50.14
−50.16
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 74
Mean −3.043e−13
Std Dev1.397e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

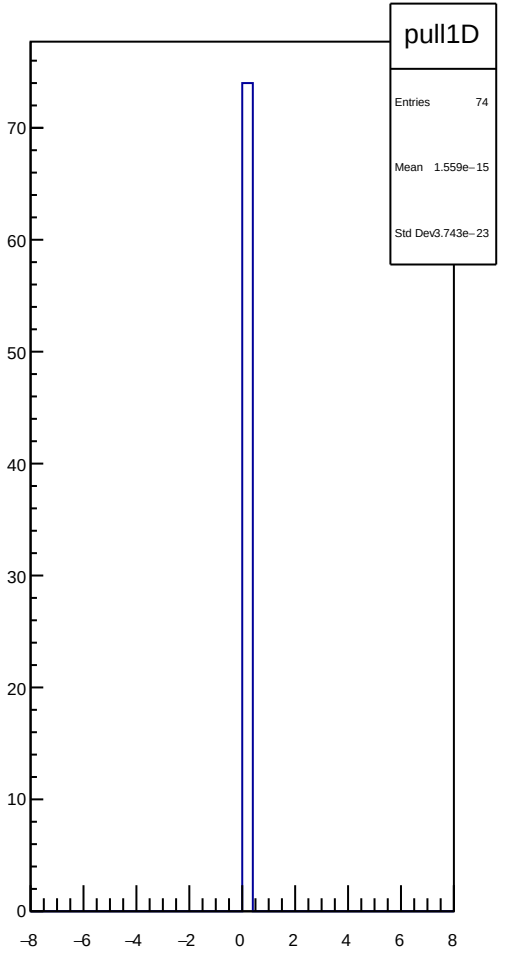

dit_sam1_4eY_slope vs run
χ² / ndf 4.071e−25 / 73
p0 8.103 ± 0.02227
8.3
8.25
8.2
8.15
8.1
8.05
8
7.95
7.9
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 74
Mean −7.417e−14
Std Dev4.235e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

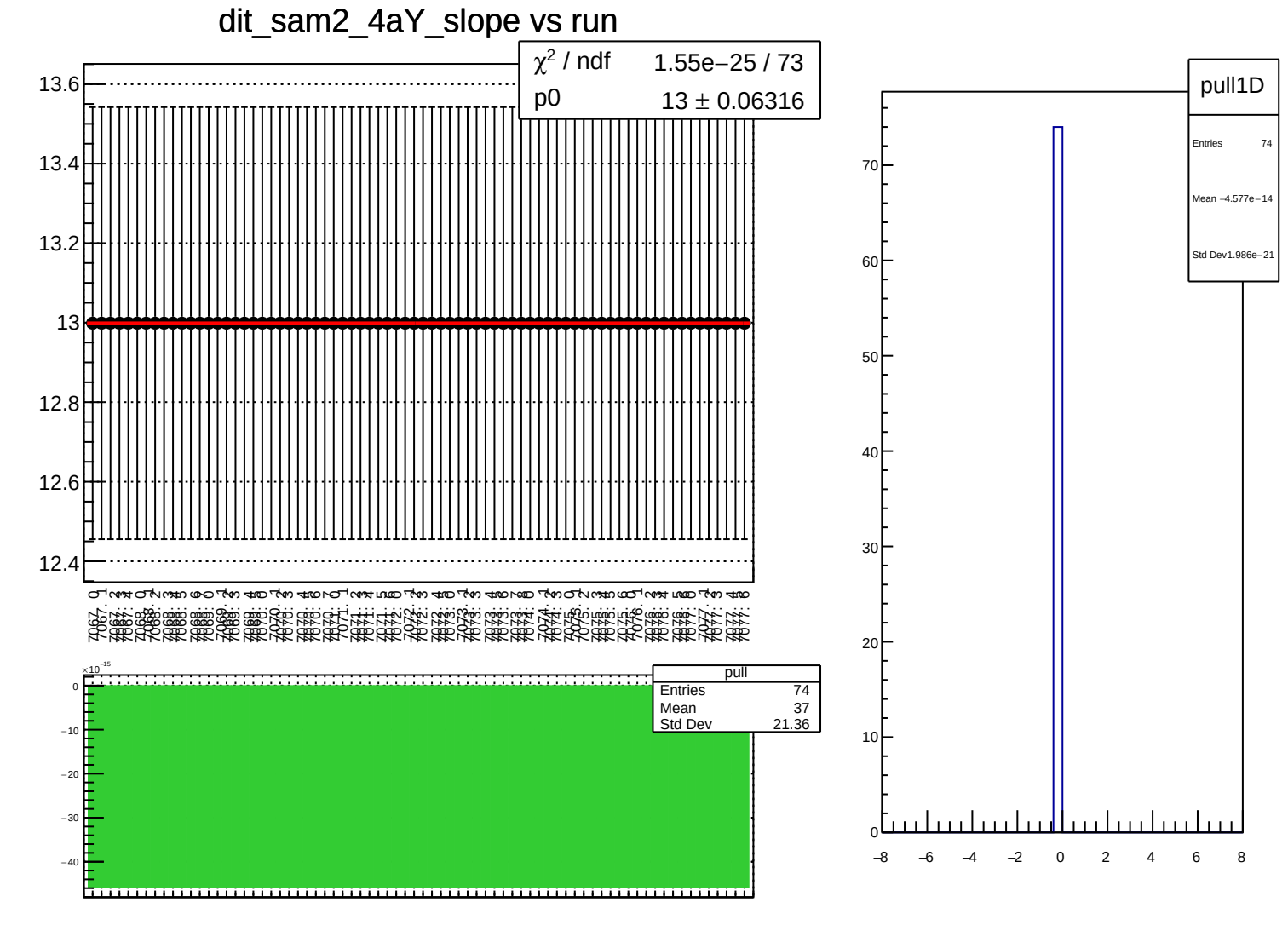

dit_sam2_4aX_slope vs run
χ² / ndf 6.731e−27 / 73
p0 36.78 ± 0.7794
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 9.537e−15
Std Dev 5.895e−22

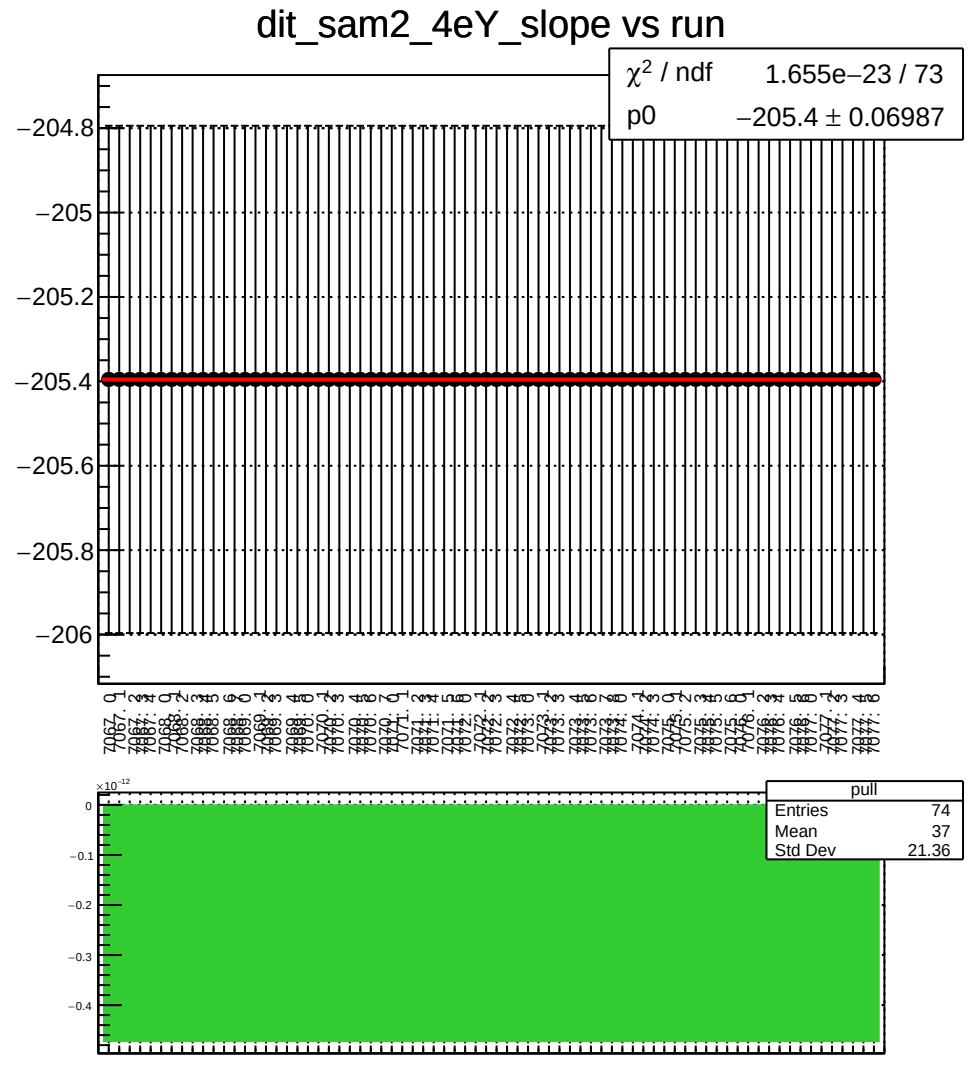

dit_sam2_4eX_slope vs run
χ² / ndf 2.886e−26 / 73
p0 −229.5 ± 0.6693
−224
−226
−228
−230
−232
−234
−236
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

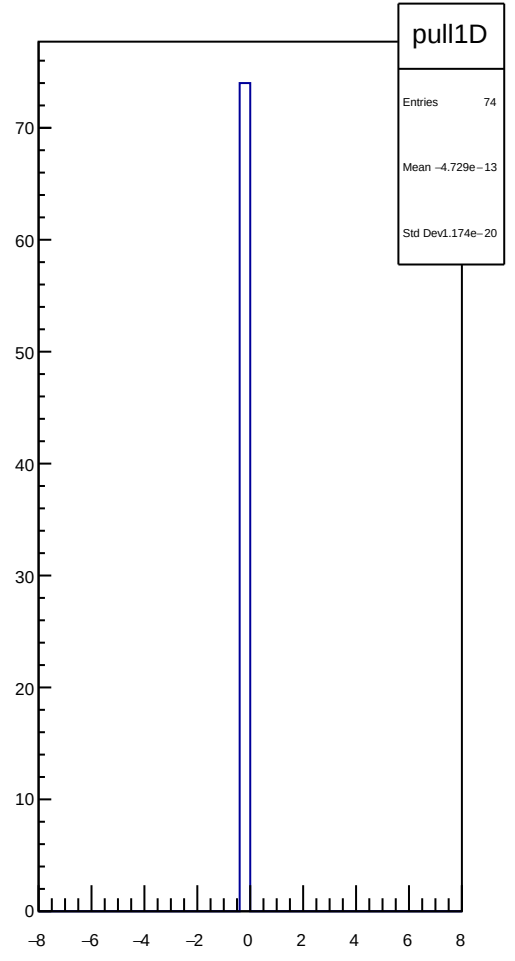

pull1D
Entries 74
Mean 1.975e−14
Std Dev1.305e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

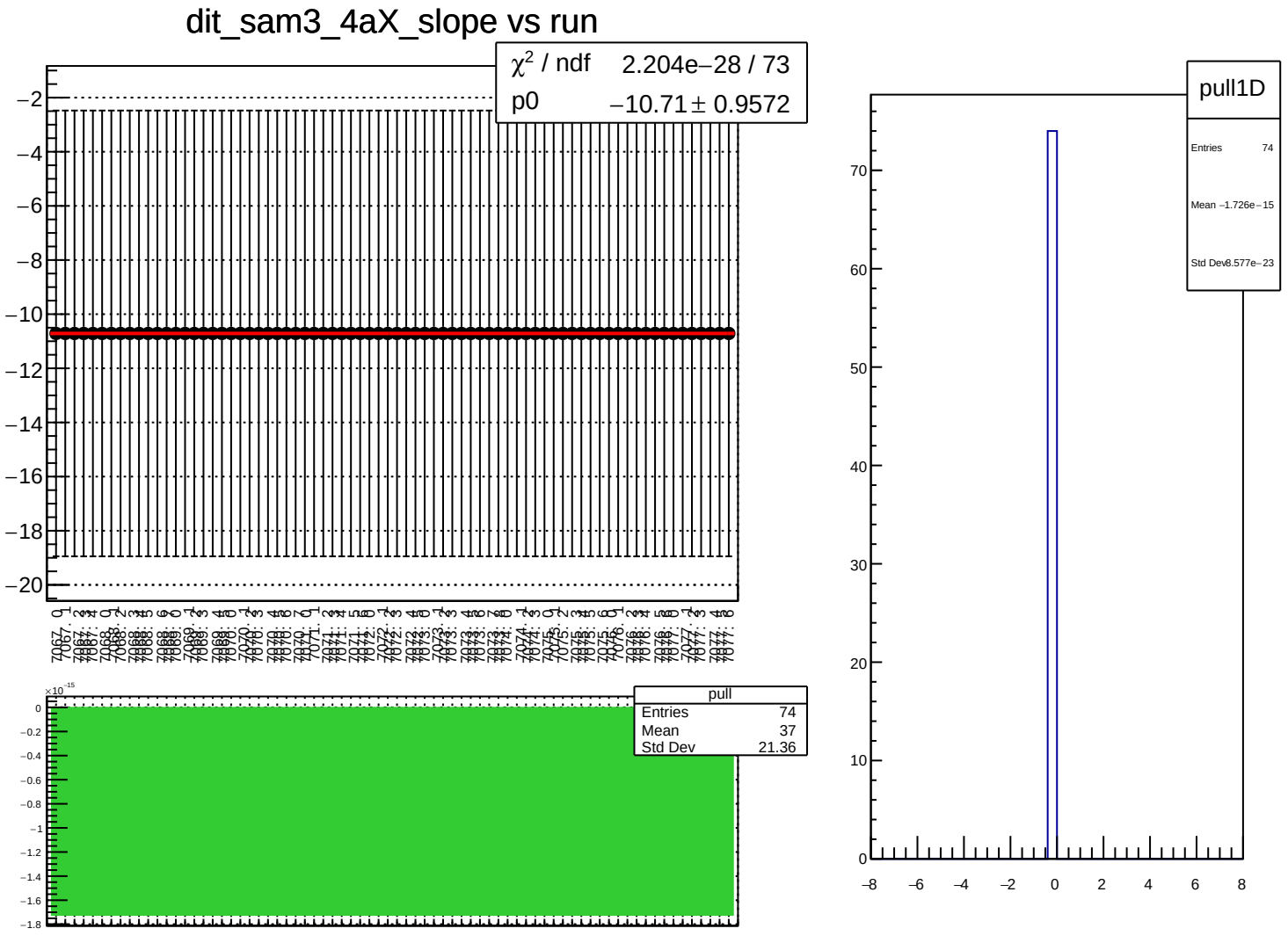

dit_sam2_11X12X_slope vs run
χ² / ndf 1.8e−28 / 73
p0 0.6468 ± 0.008276
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

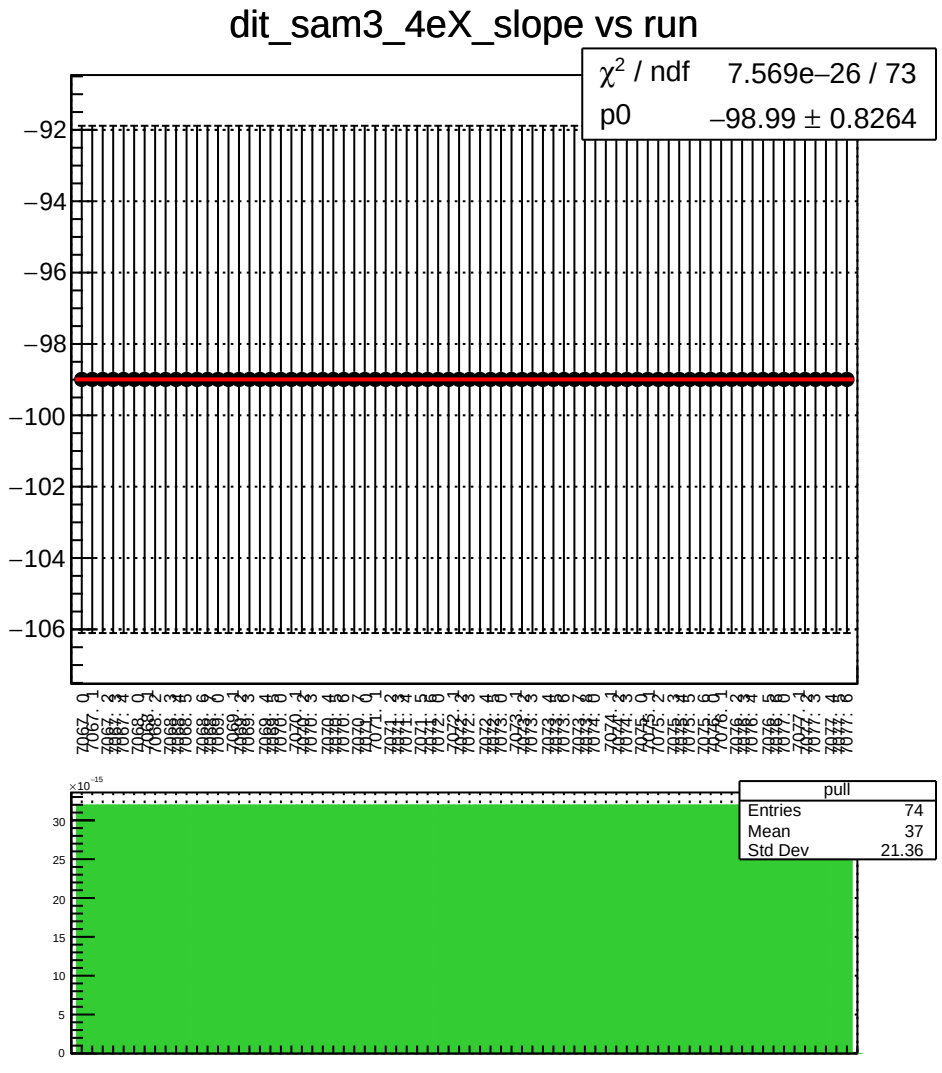

pull1D
Entries 74
Mean 1.559e−15
Std Dev 3.743e−23
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

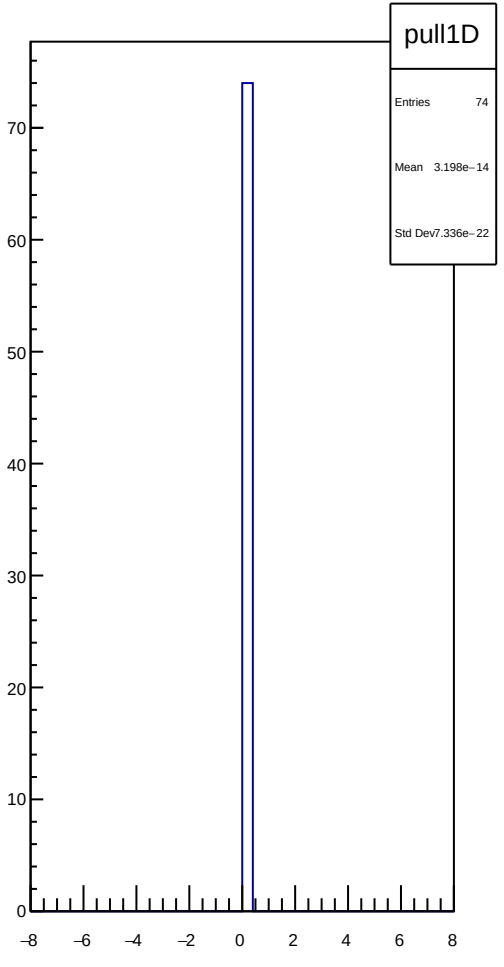

dit_sam2_4aY_slope vs run
χ² / ndf 1.55e−25 / 73
p0 13 ± 0.06316
13.6
13.4
13.2
13
12.8
12.6
12.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 74
Mean −4.577e−14
Std Dev1.986e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

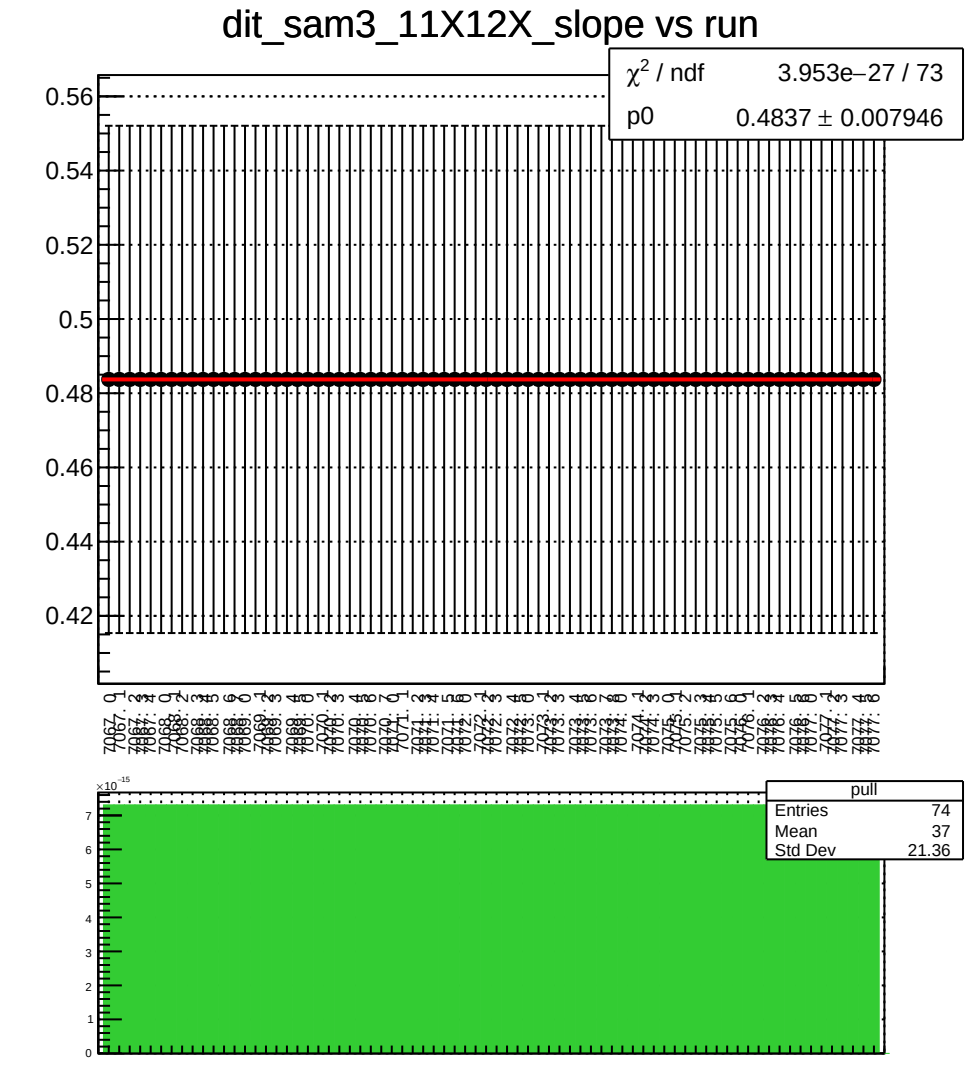

dit_sam2_4eY_slope vs run
χ² / ndf 1.655e−23 / 73
p0 −205.4 ± 0.06987
−204.8
−205
−205.2
−205.4
−205.6
−205.8
−206
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4

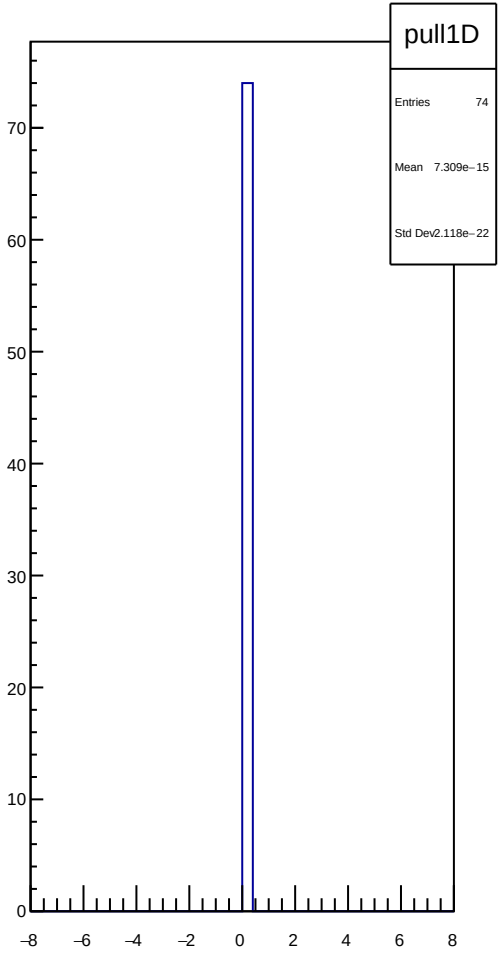

pull1D
Entries 74
Mean −4.729e−13
Std Dev1.174e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

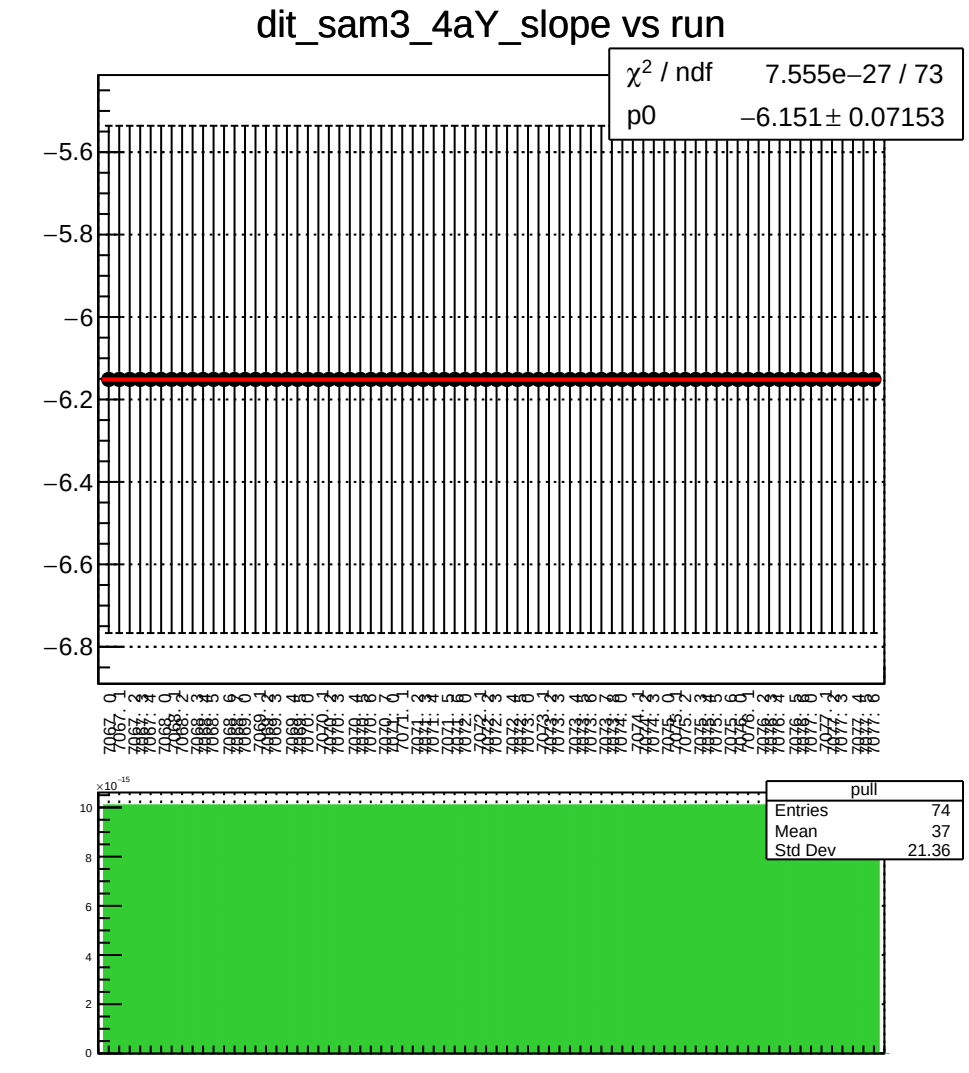

dit_sam3_4aX_slope vs run
χ² / ndf 2.204e−28 / 73
p0 −10.71 ± 0.9572
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −1.726e−15
Std Dev 8.577e−23

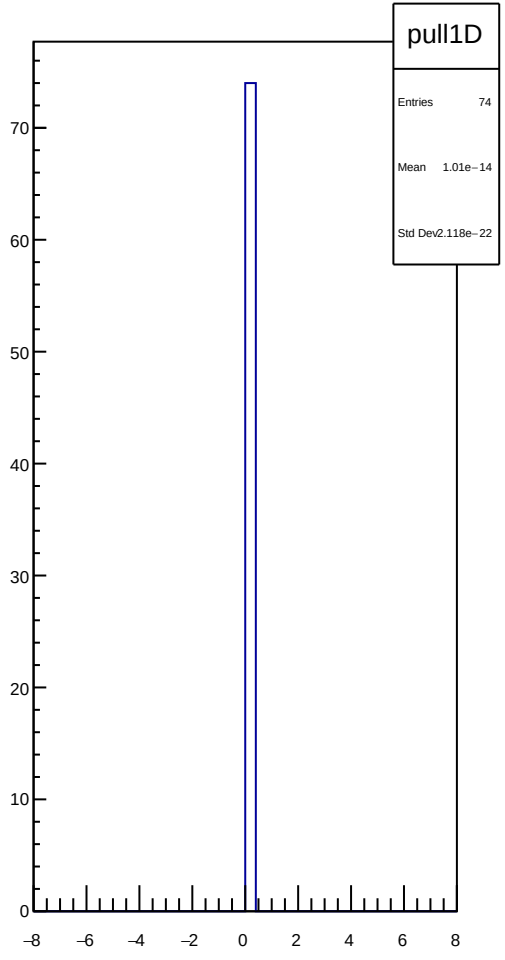

dit_sam3_4eX_slope vs run
χ² / ndf 7.569e−26 / 73
p0 −98.99 ± 0.8264
−92
−94
−96
−98
−100
−102
−104
−106
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
30
25
20
15
10
5
0

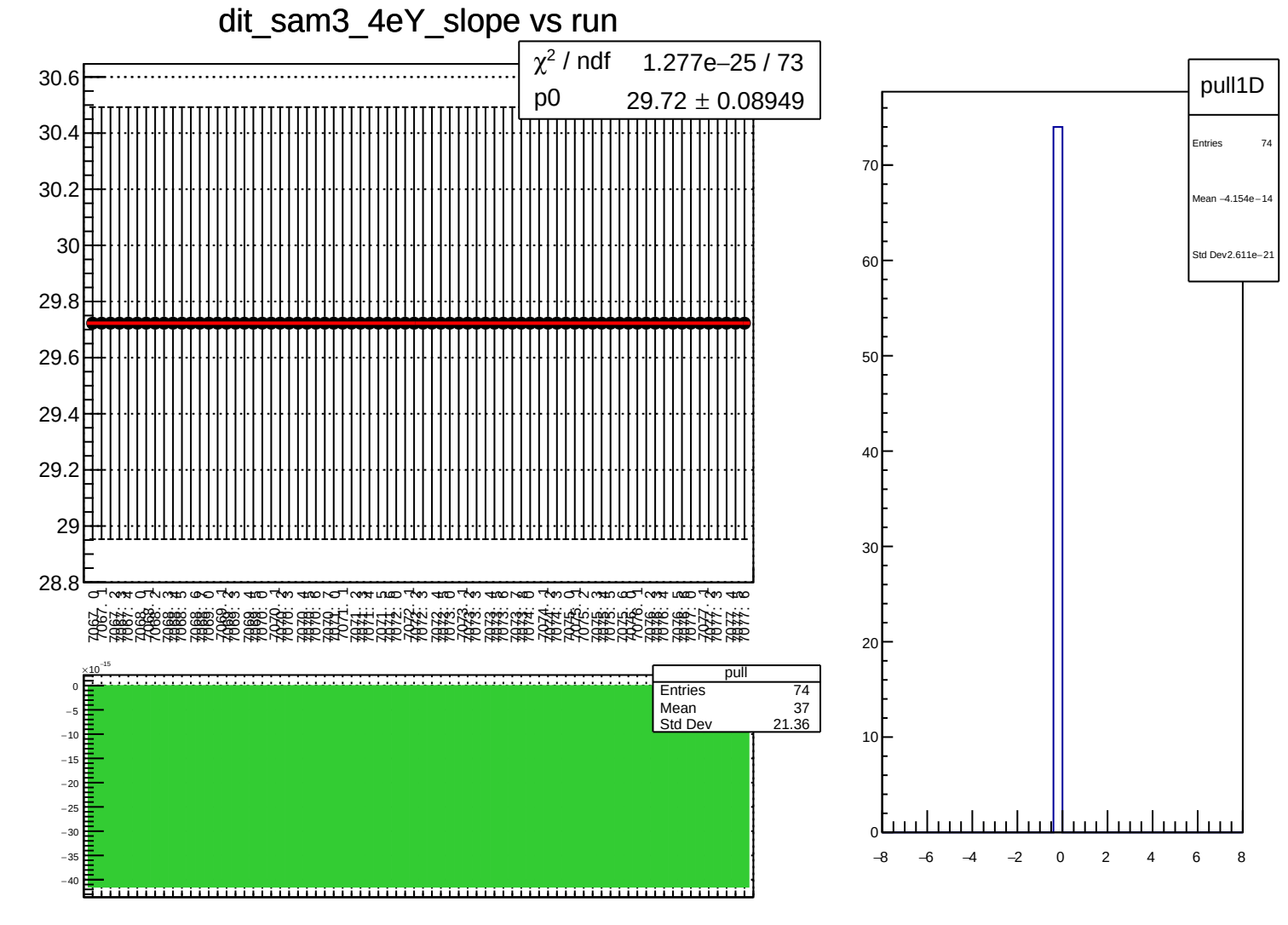

pull1D
Entries 74
Mean 3.198e−14
Std Dev7.336e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

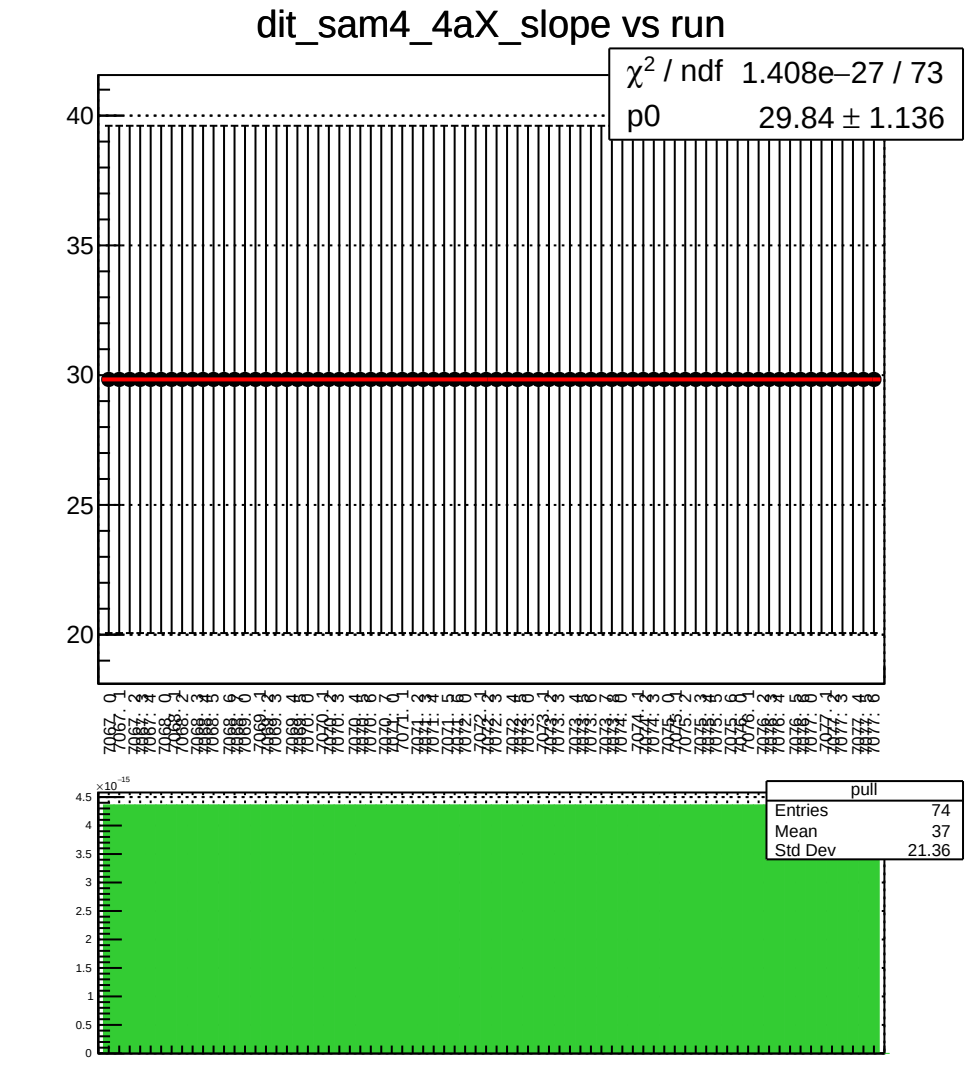

dit_sam3_11X12X_slope vs run
χ² / ndf 3.953e−27 / 73
p0 0.4837 ± 0.007946
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
7
6
5
4
3
2
1
0

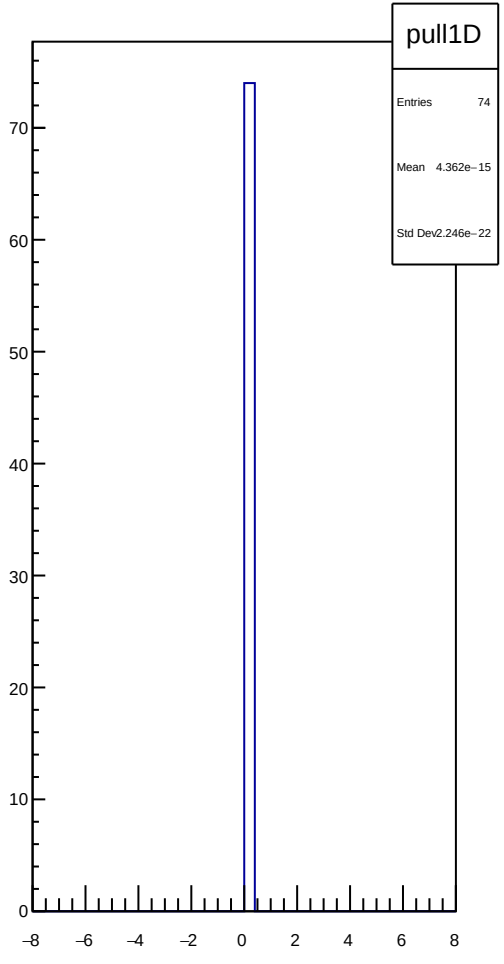

pull1D
Entries 74
Mean 7.309e−15
Std Dev 2.118e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

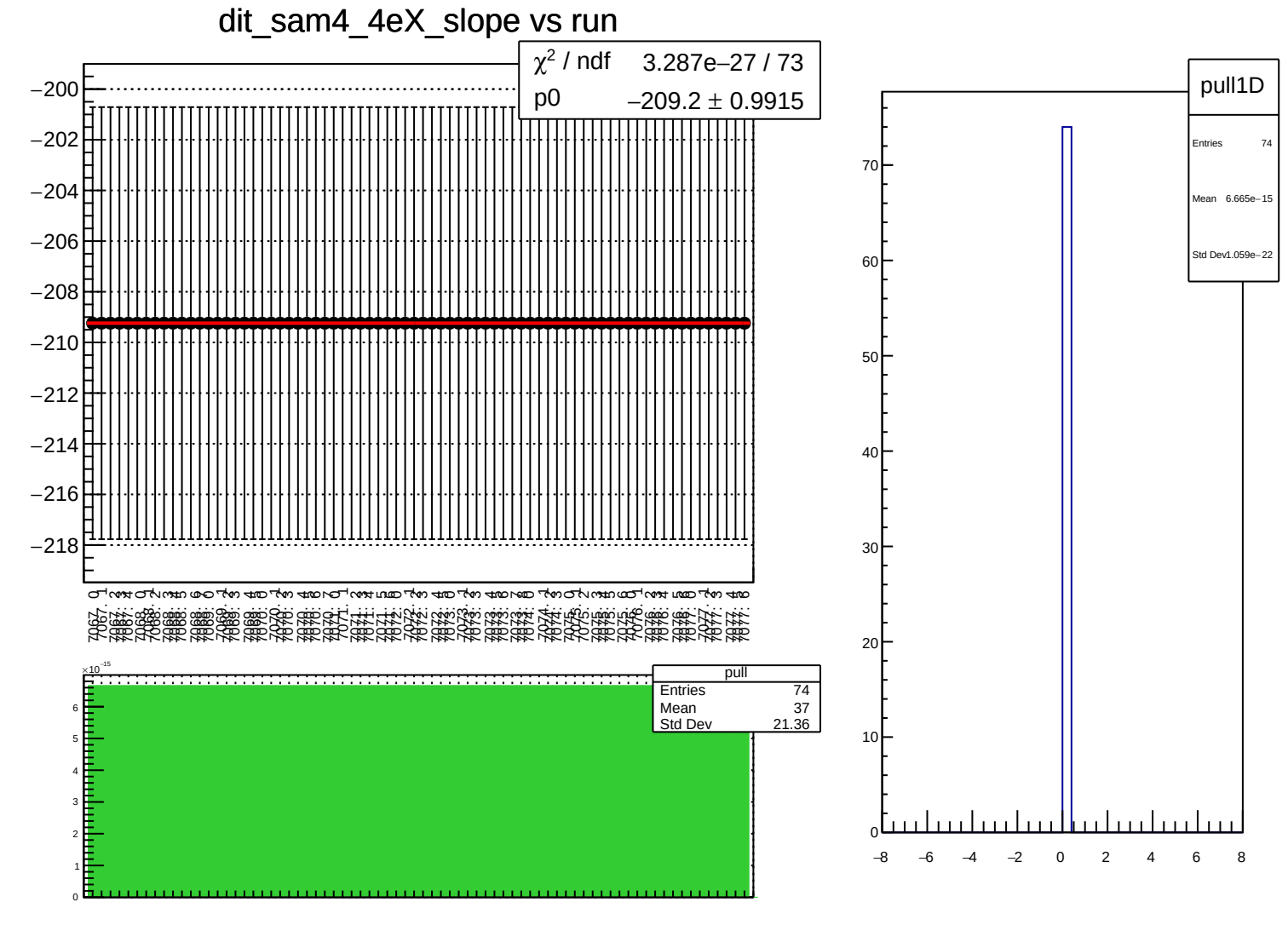

dit_sam3_4aY_slope vs run
χ² / ndf 7.555e−27 / 73
p0 −6.151 ± 0.07153
−5.6
−5.8
−6
−6.2
−6.4
−6.6
−6.8
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
10
8
6
4
2
0

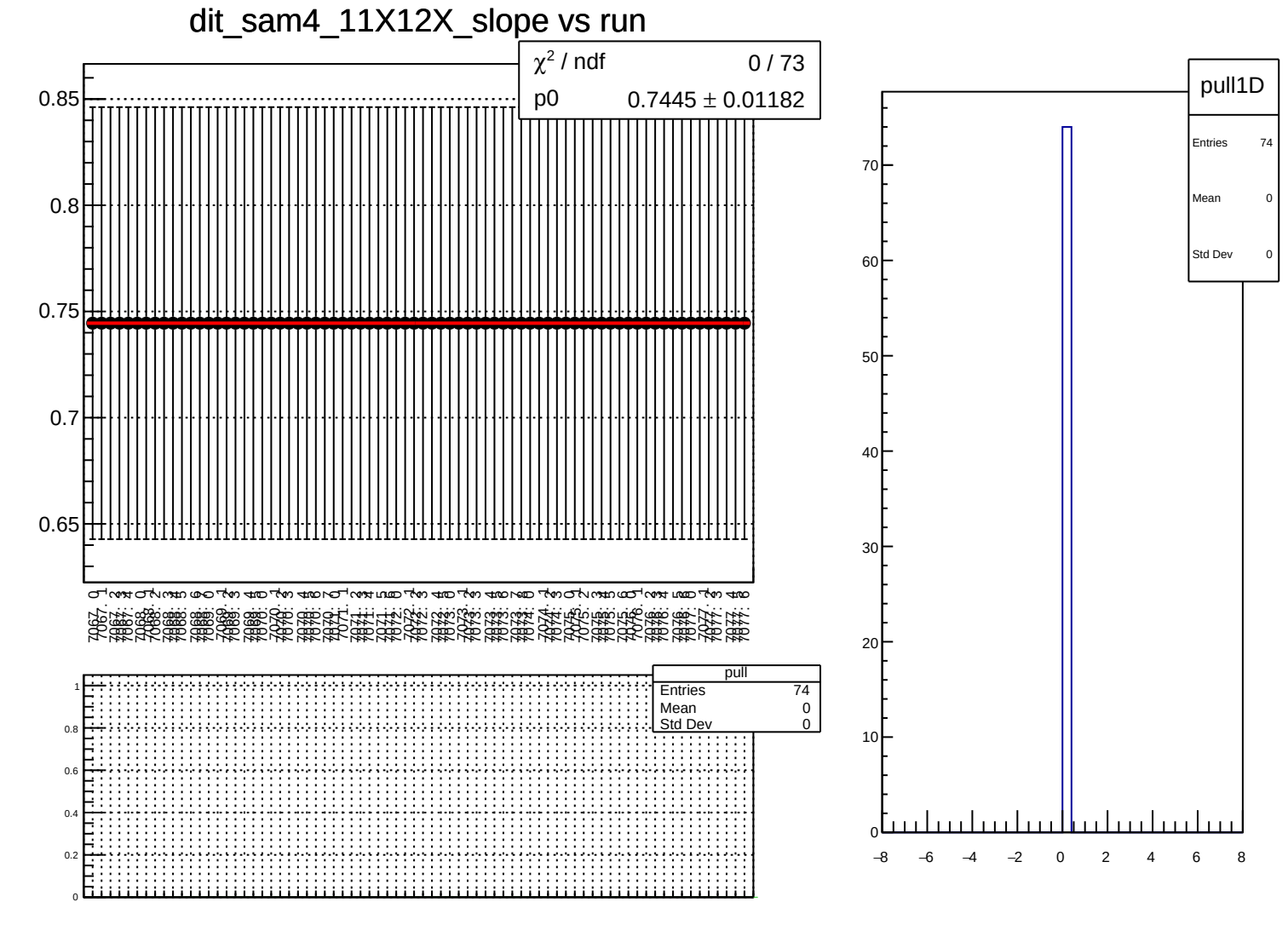

pull1D
Entries 74
Mean 1.01e−14
Std Dev 2.118e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

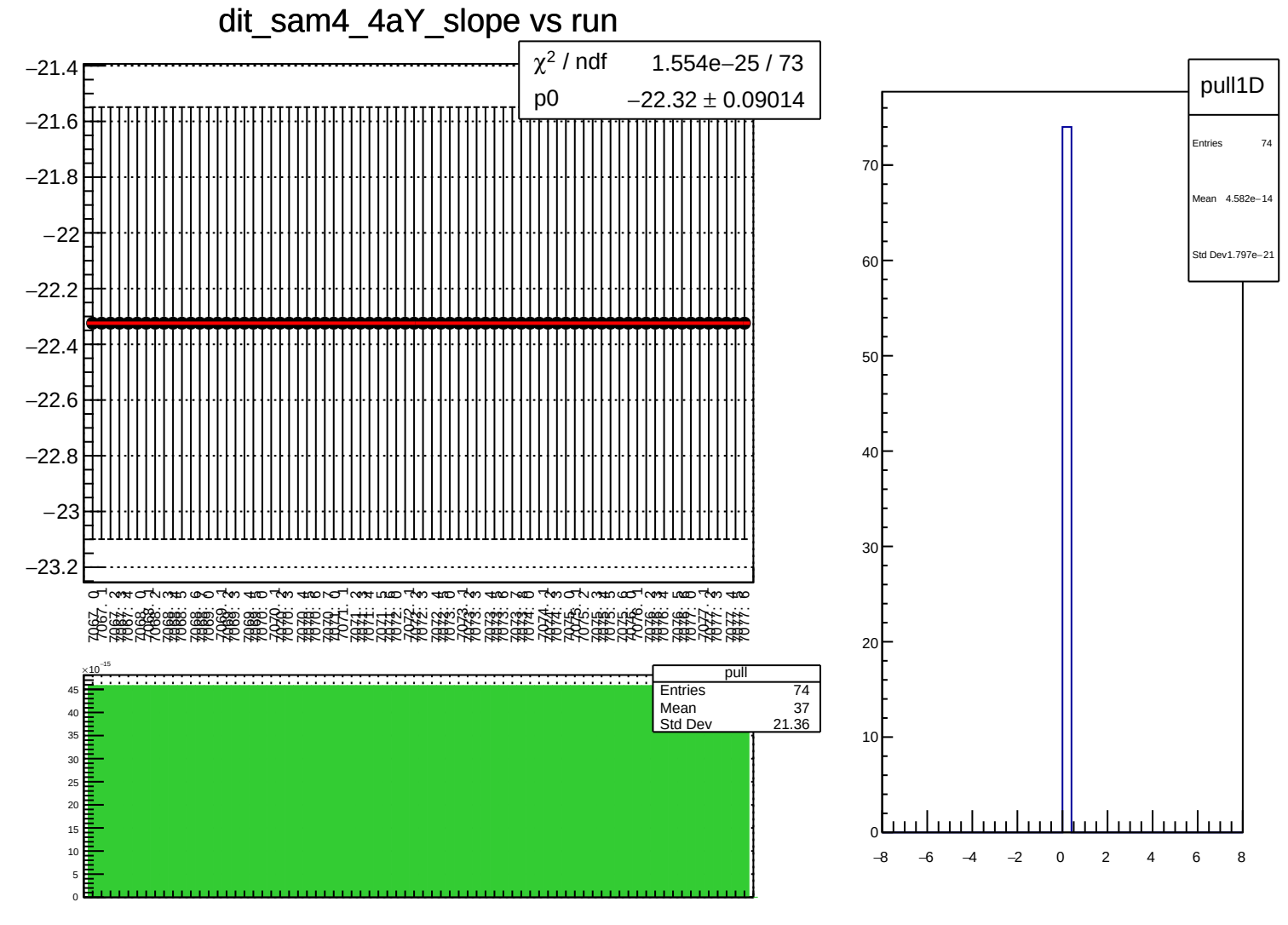

dit_sam3_4eY_slope vs run
χ² / ndf 1.277e−25 / 73
p0 29.72 ± 0.08949
30.6
30.4
30.2
30
29.8
29.6
29.4
29.2
29
28.8
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 74
Mean −4.154e−14
Std Dev2.611e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

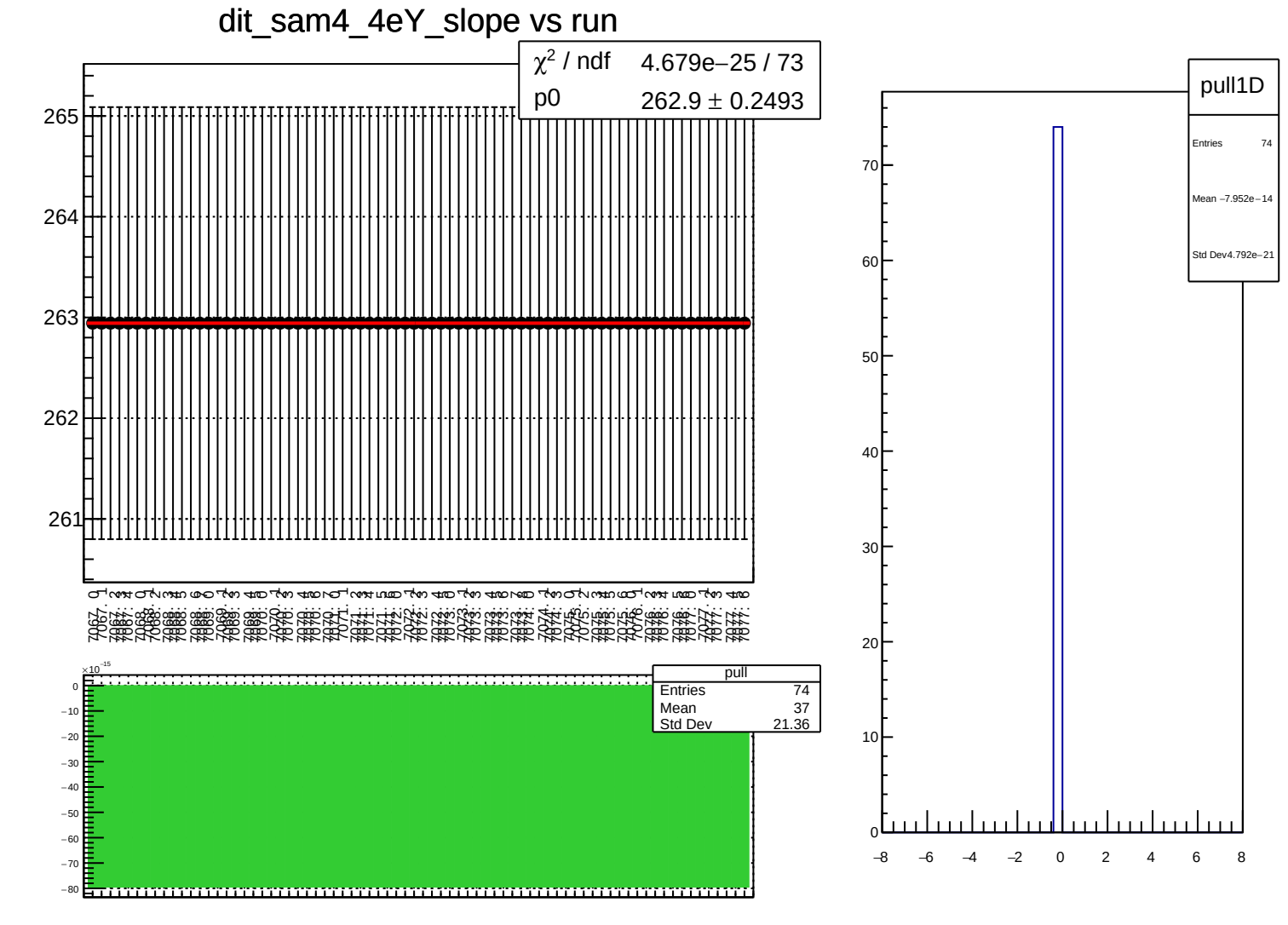

dit_sam4_4aX_slope vs run
χ² / ndf 1.408e−27 / 73
p0 29.84 ± 1.136
40
35
30
25
20
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

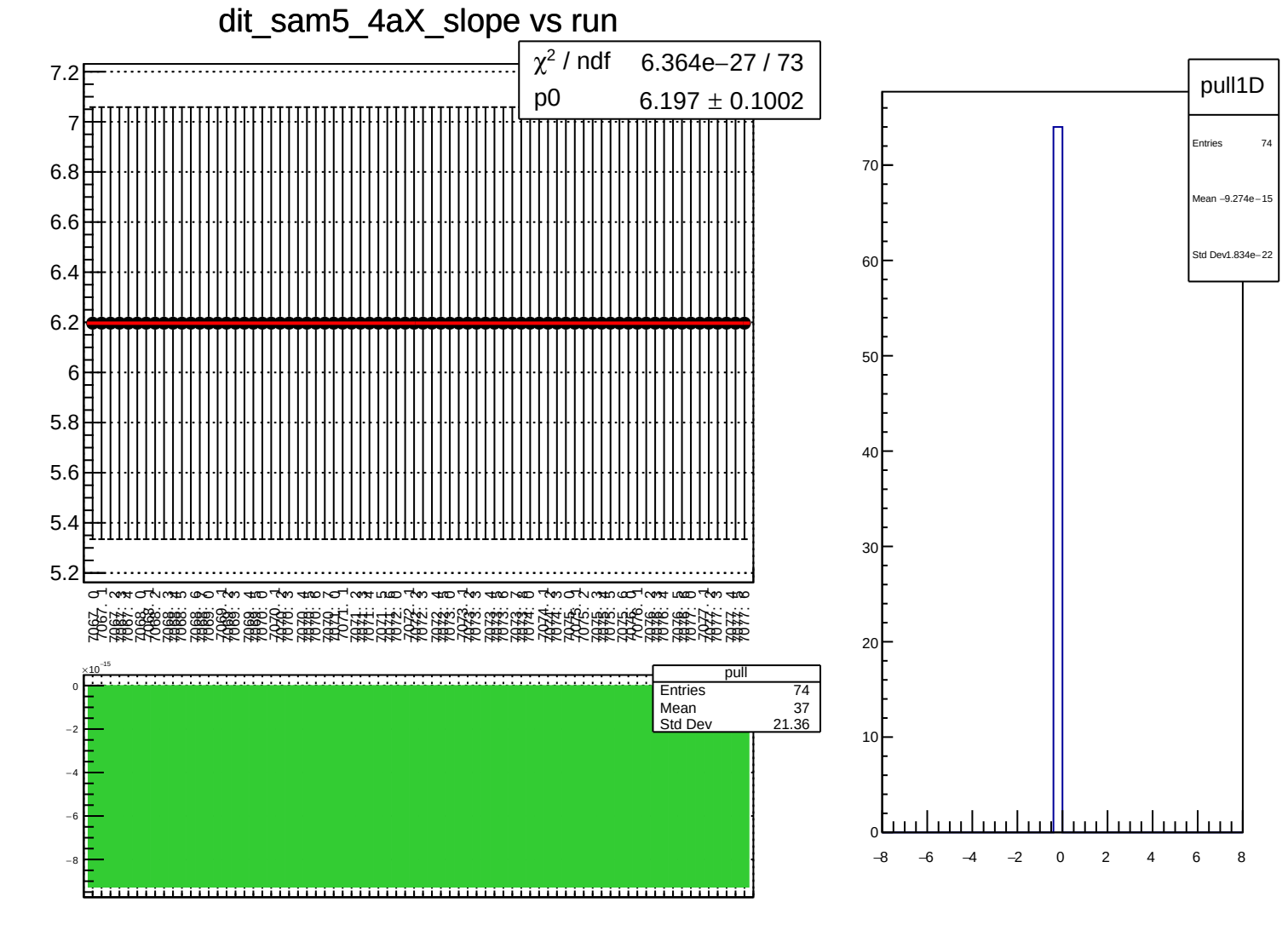

pull1D
Entries 74
Mean 4.362e−15
Std Dev 2.246e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

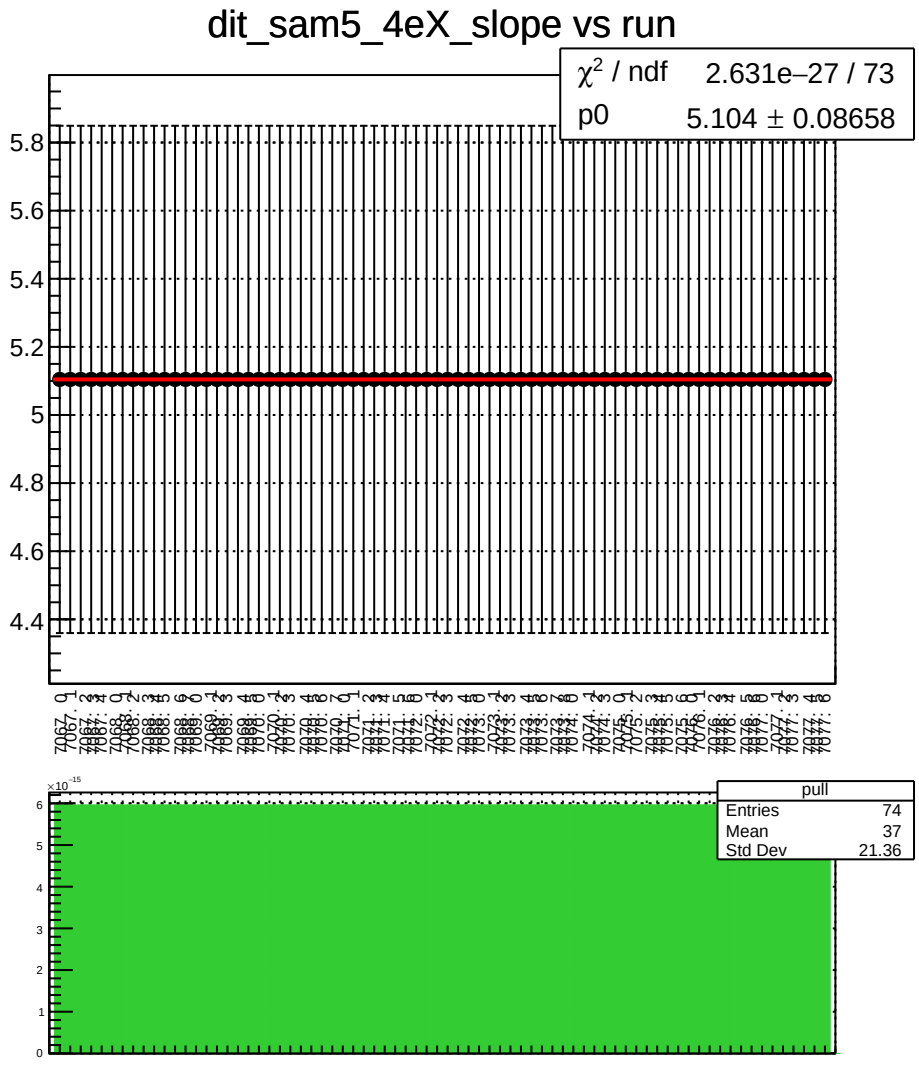

dit_sam4_4eX_slope vs run
χ² / ndf 3.287e−27 / 73
p0 −209.2 ± 0.9915
−200
−202
−204
−206
−208
−210
−212
−214
−216
−218
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
pull1D
Entries 74
Mean 6.665e−15
Std Dev1.059e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

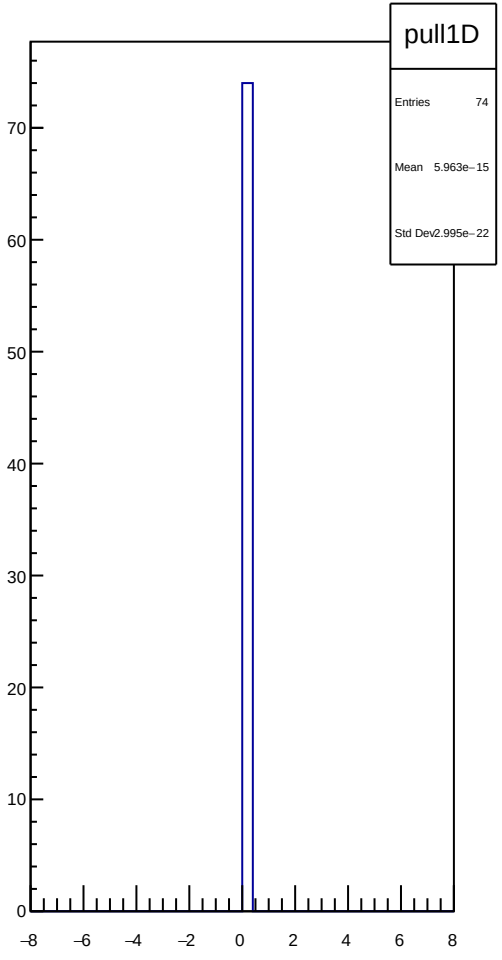

dit_sam4_11X12X_slope vs run
χ² / ndf 0 / 73
p0 0.7445 ± 0.01182
0.85
0.8
0.75
0.7
0.65
pull
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 74
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

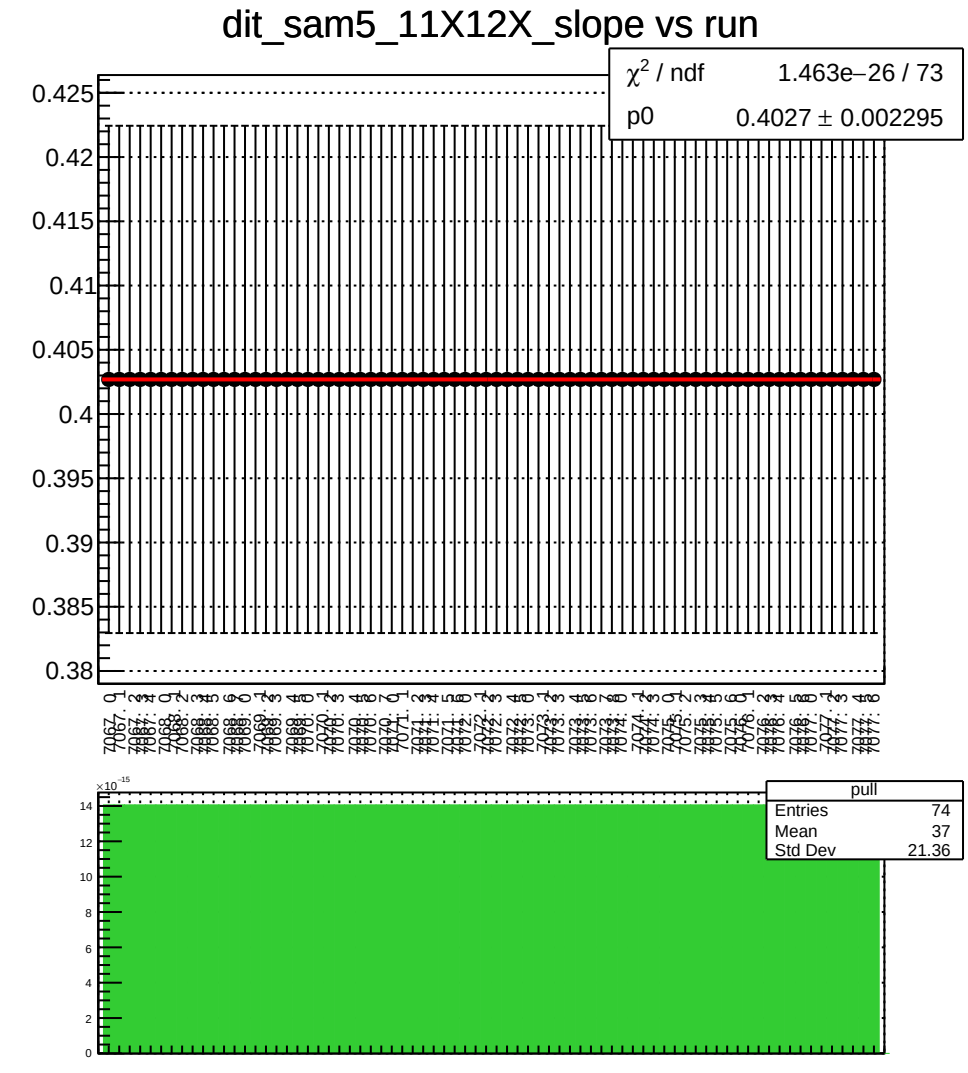

dit_sam4_4aY_slope vs run
χ² / ndf 1.554e−25 / 73
p0 −22.32 ± 0.09014
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 4.582e−14
Std Dev 1.797e−21

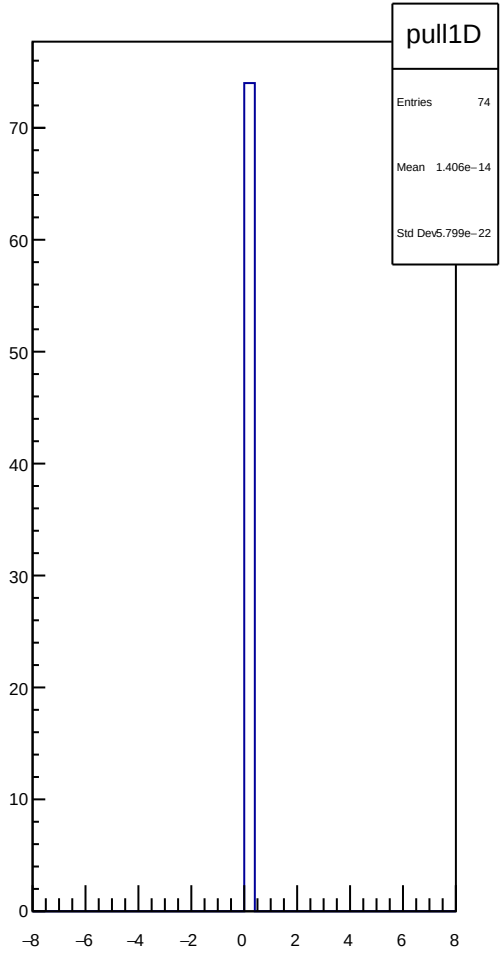

dit_sam4_4eY_slope vs run
χ² / ndf 4.679e−25 / 73
p0 262.9 ± 0.2493
265
264
263
262
261
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −7.952e−14
Std Dev4.792e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

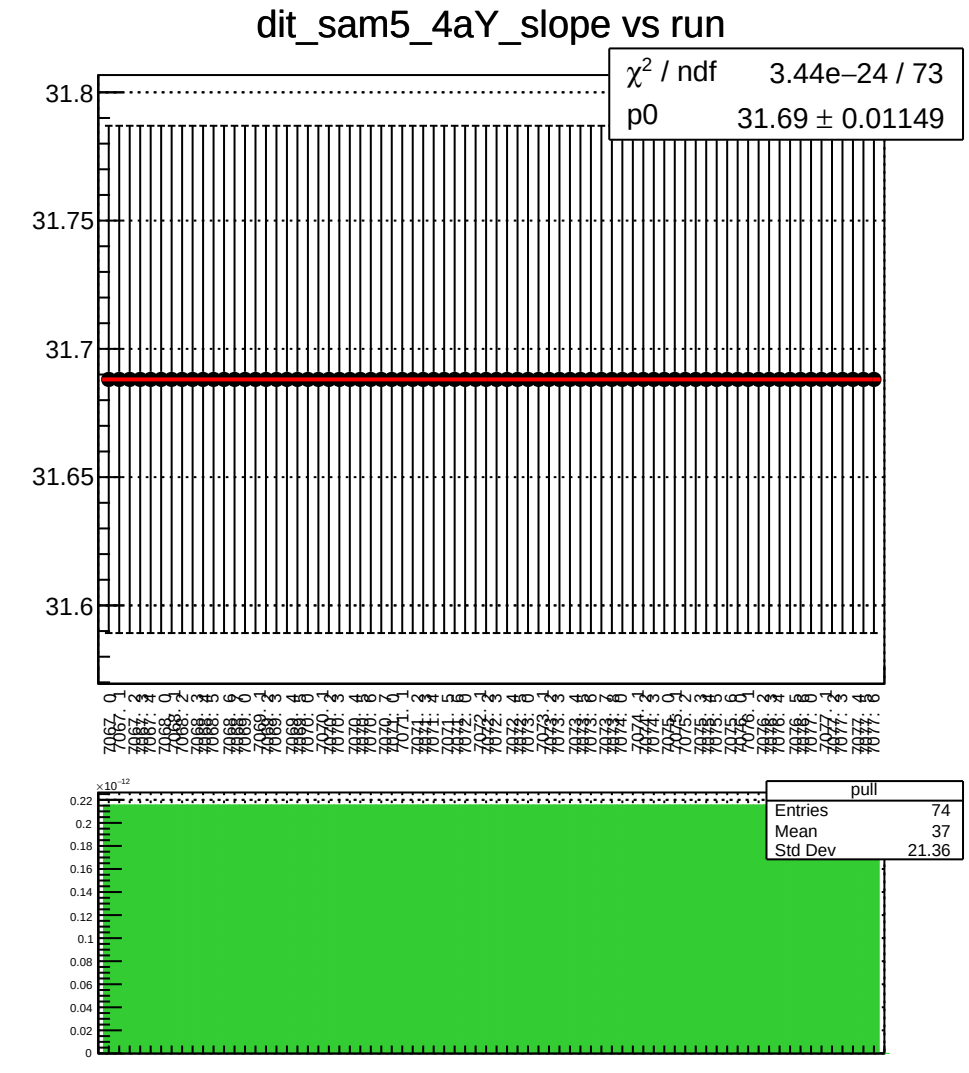

dit_sam5_4aX_slope vs run
χ² / ndf 6.364e−27 / 73
p0 6.197 ± 0.1002
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −9.274e−15
Std Dev1.834e−22

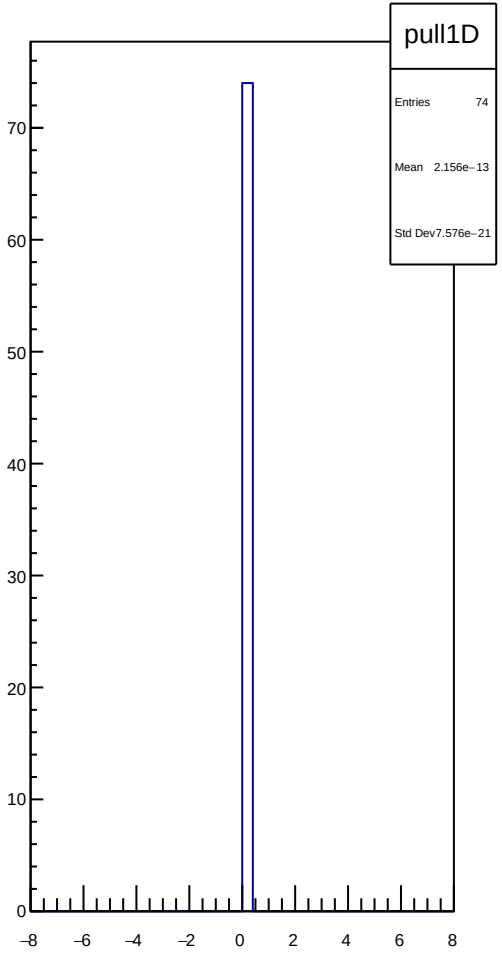

dit_sam5_4eX_slope vs run
χ² / ndf 2.631e−27 / 73
p0 5.104 ± 0.08658
pull
Entries 74
Mean 37
Std Dev 21.36

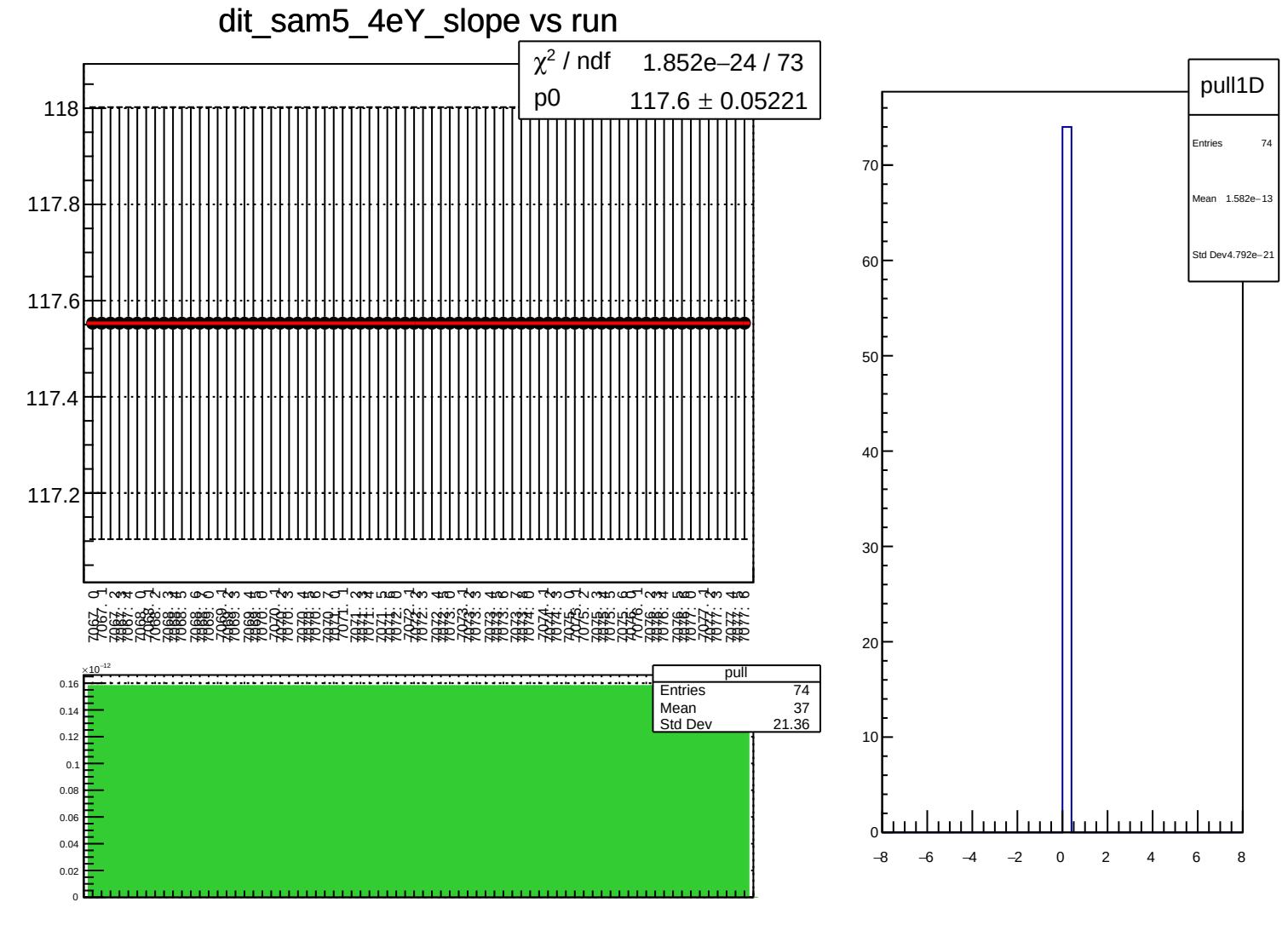

pull1D
Entries 74
Mean 5.963e−15
Std Dev 2.995e−22

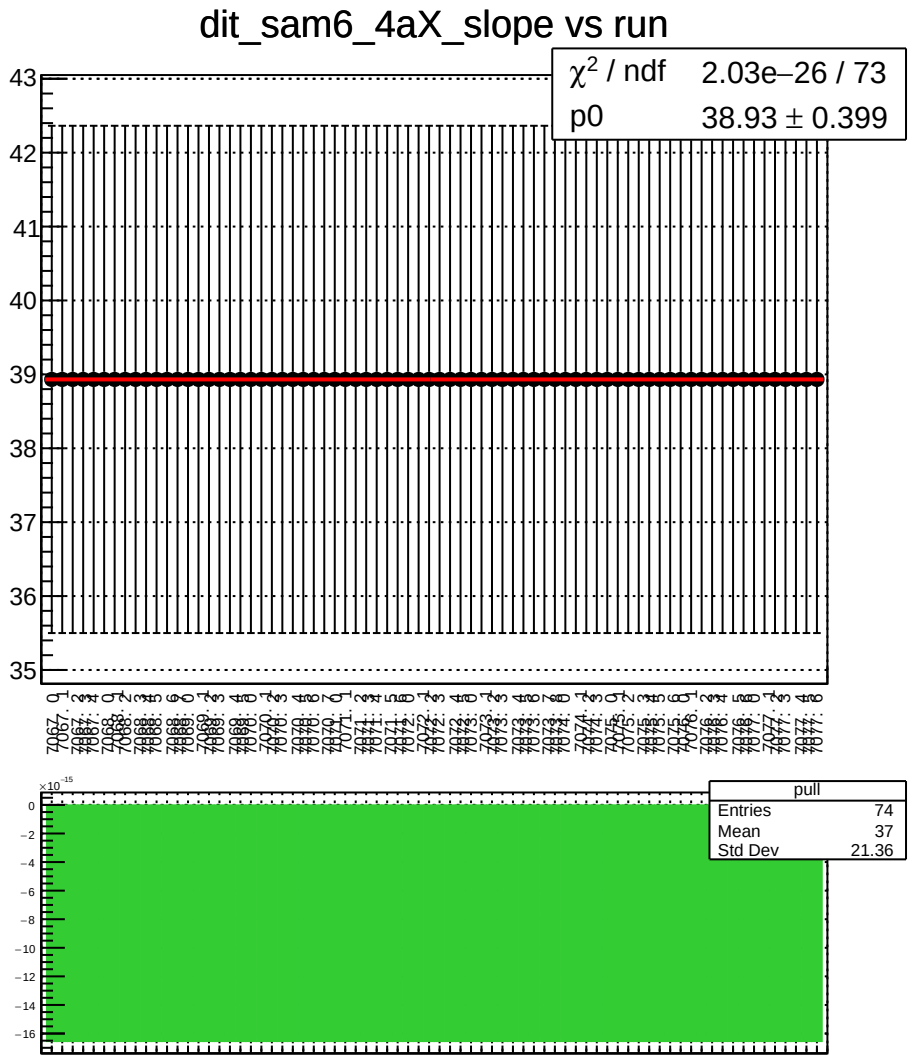

dit_sam5_11X12X_slope vs run
χ² / ndf 1.463e−26 / 73
p0 0.4027 ± 0.002295
0.425
0.42
0.415
0.41
0.405
0.4
0.395
0.39
0.385
0.38
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
14
12
10
8
6
4
2
0

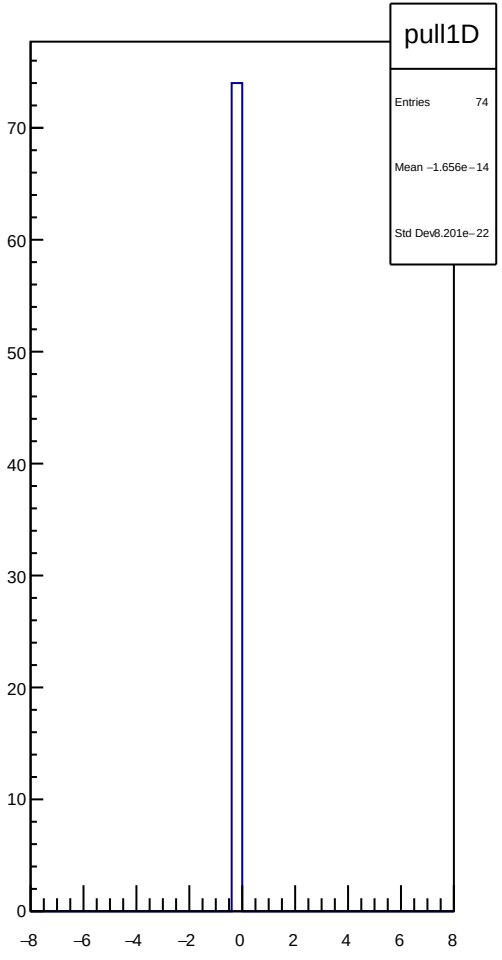

pull1D
Entries 74
Mean 1.406e−14
Std Dev 5.799e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

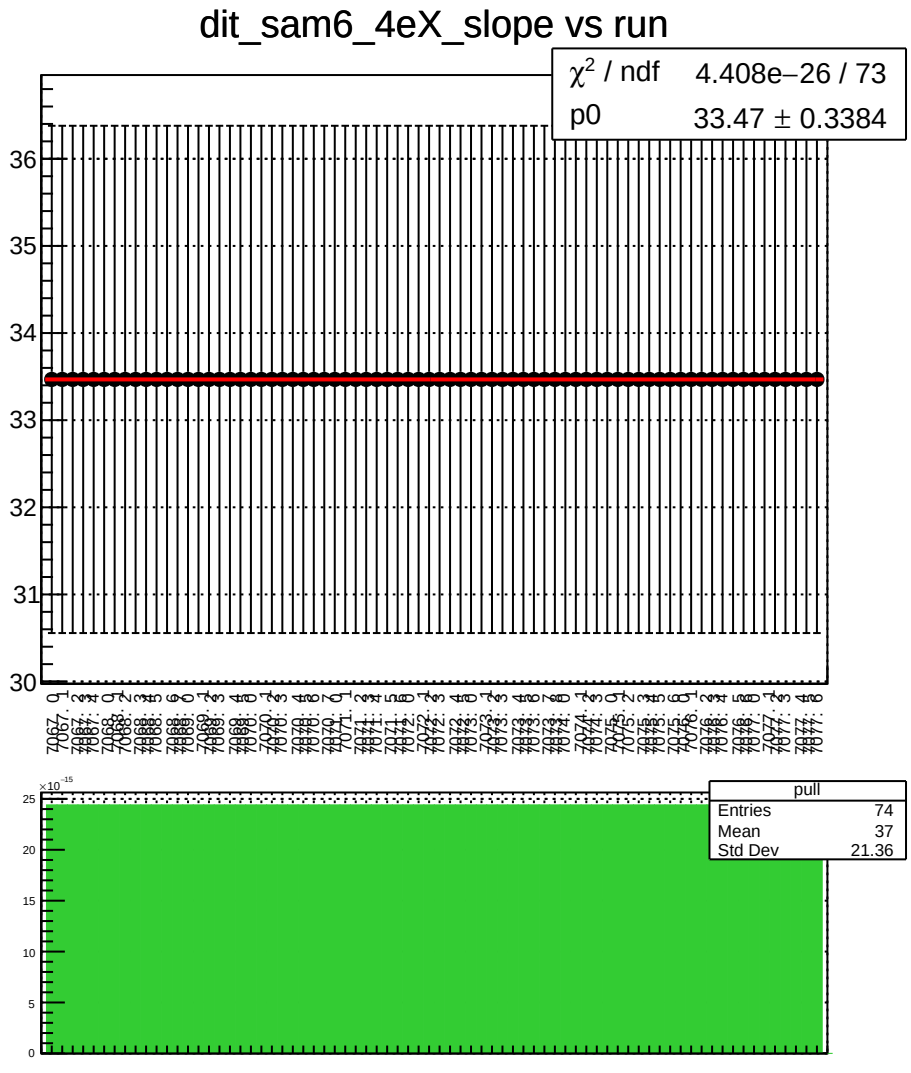

dit_sam5_4aY_slope vs run
χ² / ndf 3.44e−24 / 73
p0 31.69 ± 0.01149
31.8
31.75
31.7
31.65
31.6
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

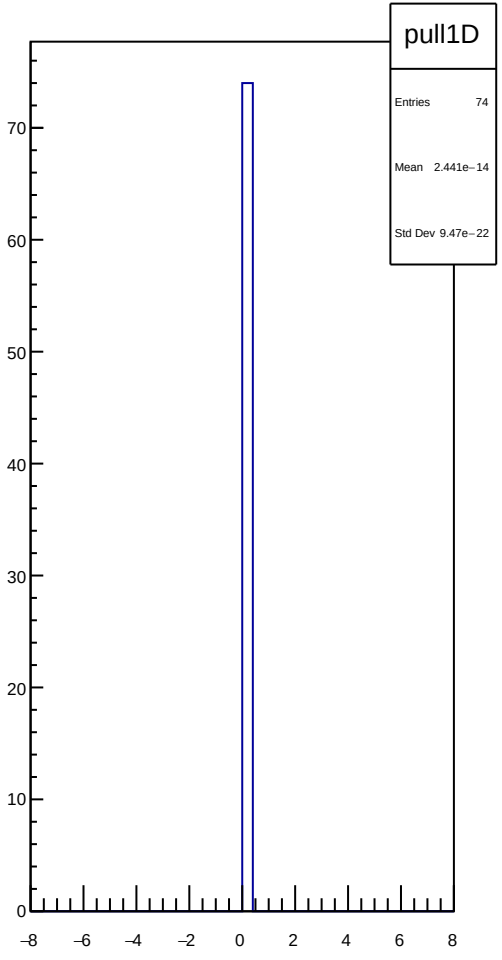

pull1D
Entries 74
Mean 2.156e−13
Std Dev7.576e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

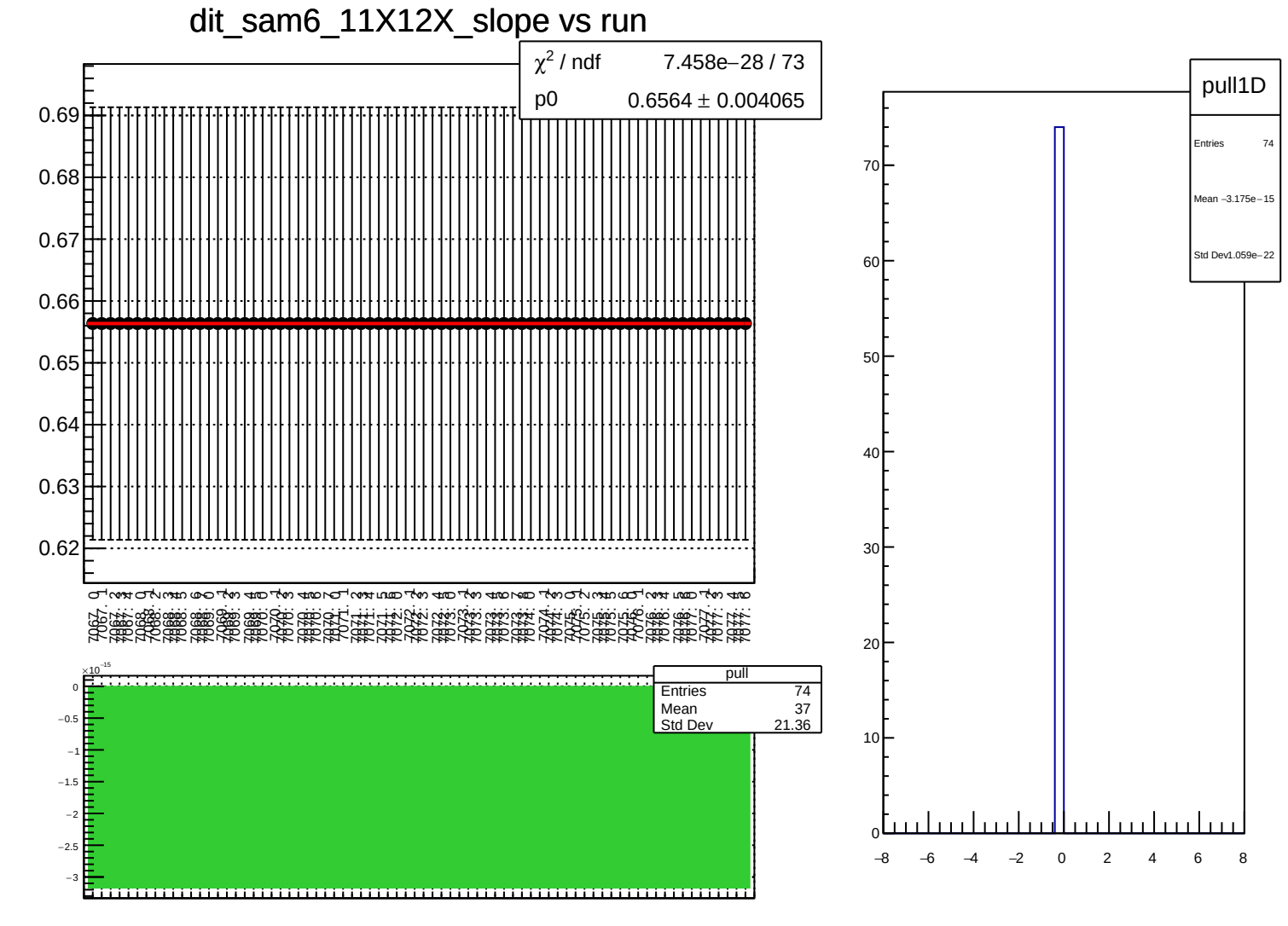

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.852e−24 / 73
p0 117.6 ± 0.05221
118
117.8
117.6
117.4
117.2
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 74
Mean 1.582e−13
Std Dev 4.792e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

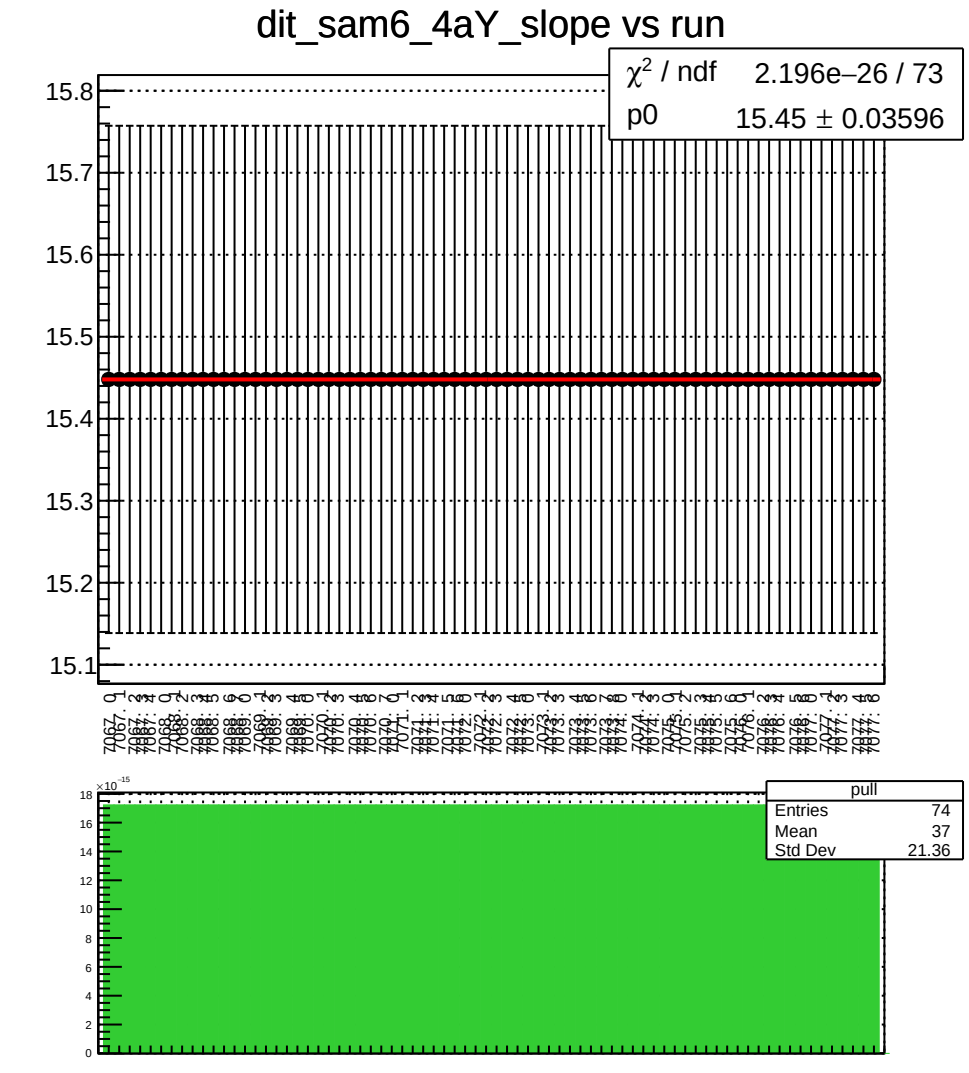

dit_sam6_4aX_slope vs run
χ² / ndf 2.03e−26 / 73
p0 38.93 ± 0.399
pull
Entries 74
Mean 37
Std Dev 21.36

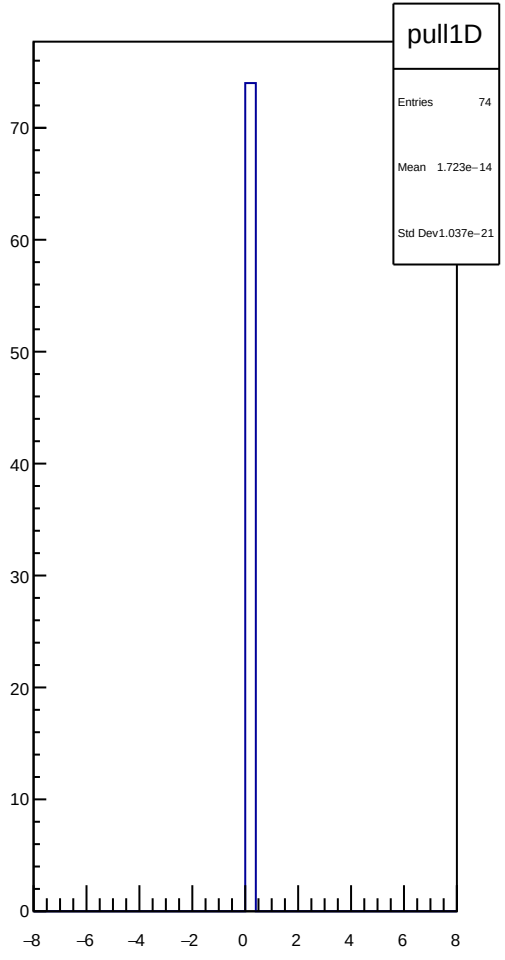

pull1D
Entries 74
Mean −1.656e−14
Std Dev 8.201e−22

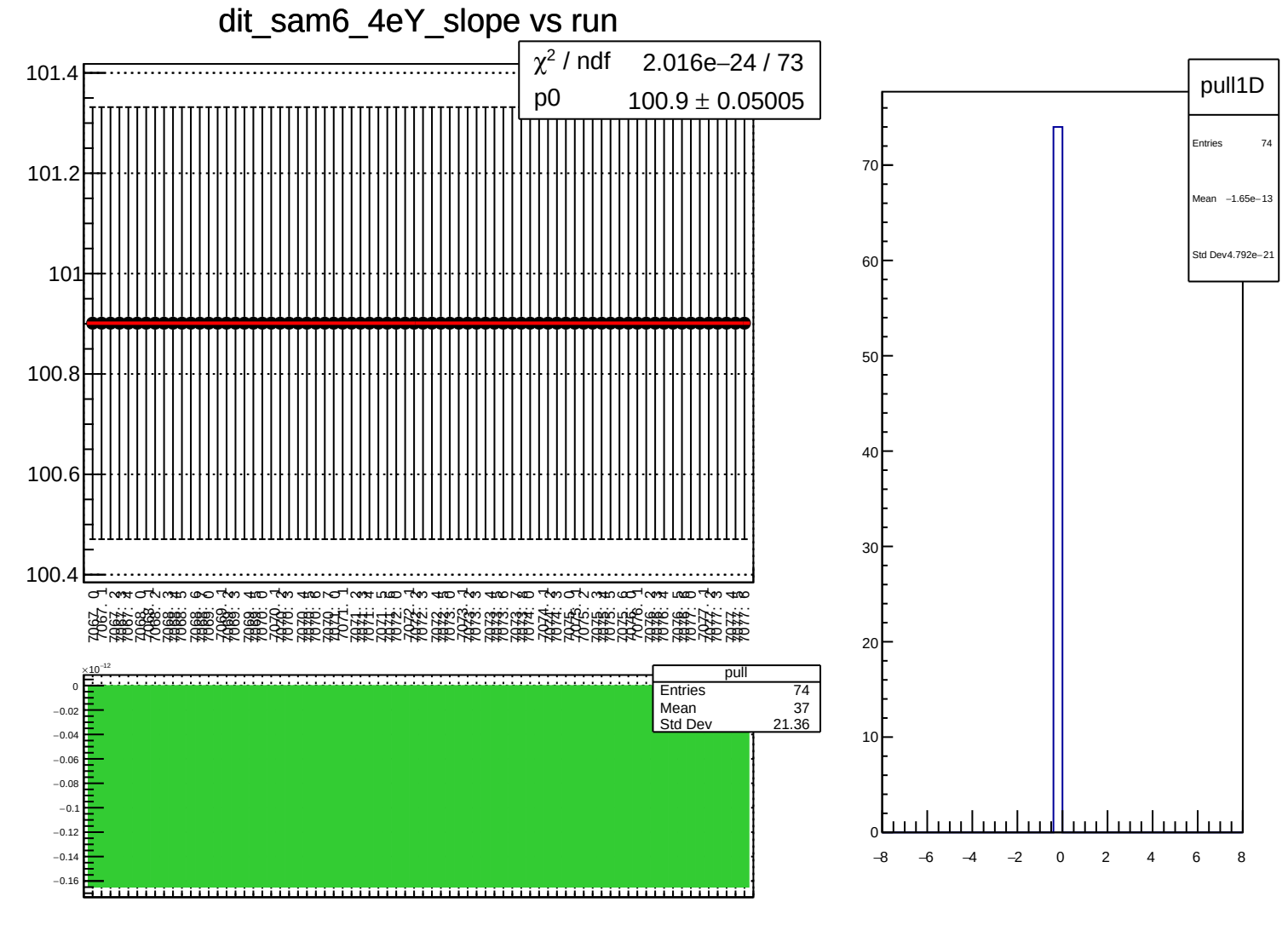

dit_sam6_4eX_slope vs run
χ² / ndf 4.408e−26 / 73
p0 33.47 ± 0.3384
pull
Entries 74
Mean 37
Std Dev 21.36

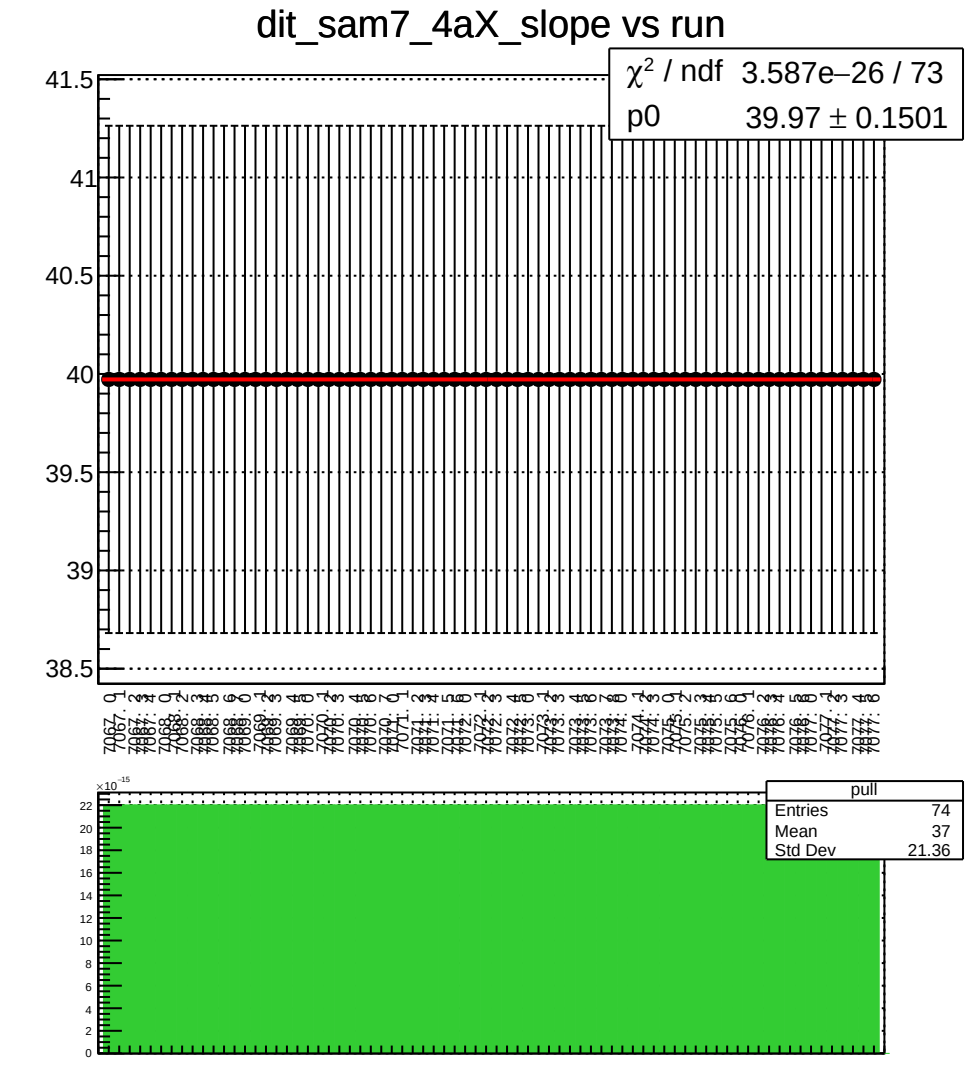

pull1D
Entries 74
Mean 2.441e−14
Std Dev 9.47e−22

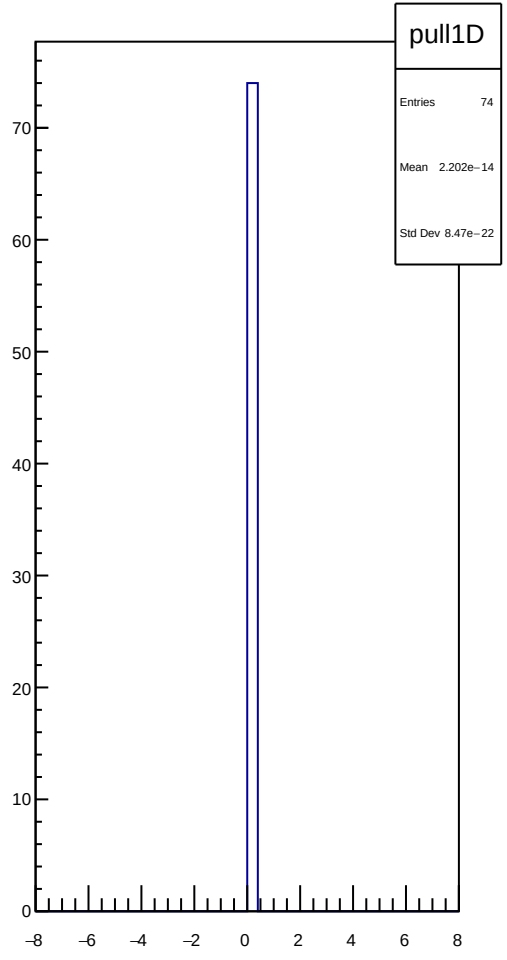

dit_sam6_11X12X_slope vs run
χ² / ndf 7.458e−28 / 73
p0 0.6564 ± 0.004065
0.69
0.68
0.67
0.66
0.65
0.64
0.63
0.62
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 74
Mean −3.175e−15
Std Dev1.059e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

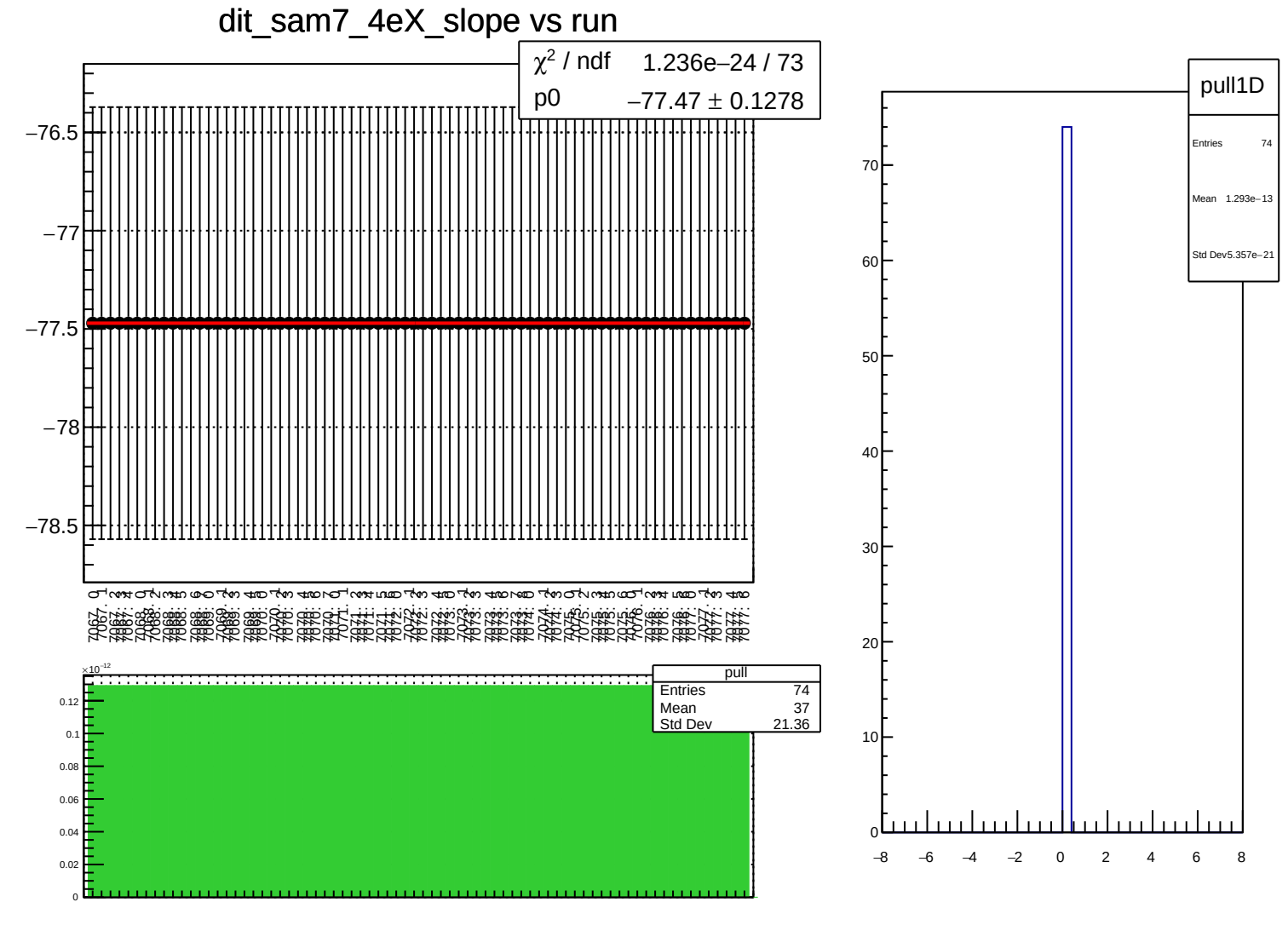

dit_sam6_4aY_slope vs run
χ² / ndf 2.196e−26 / 73
p0 15.45 ± 0.03596
15.8
15.7
15.6
15.5
15.4
15.3
15.2
15.1
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

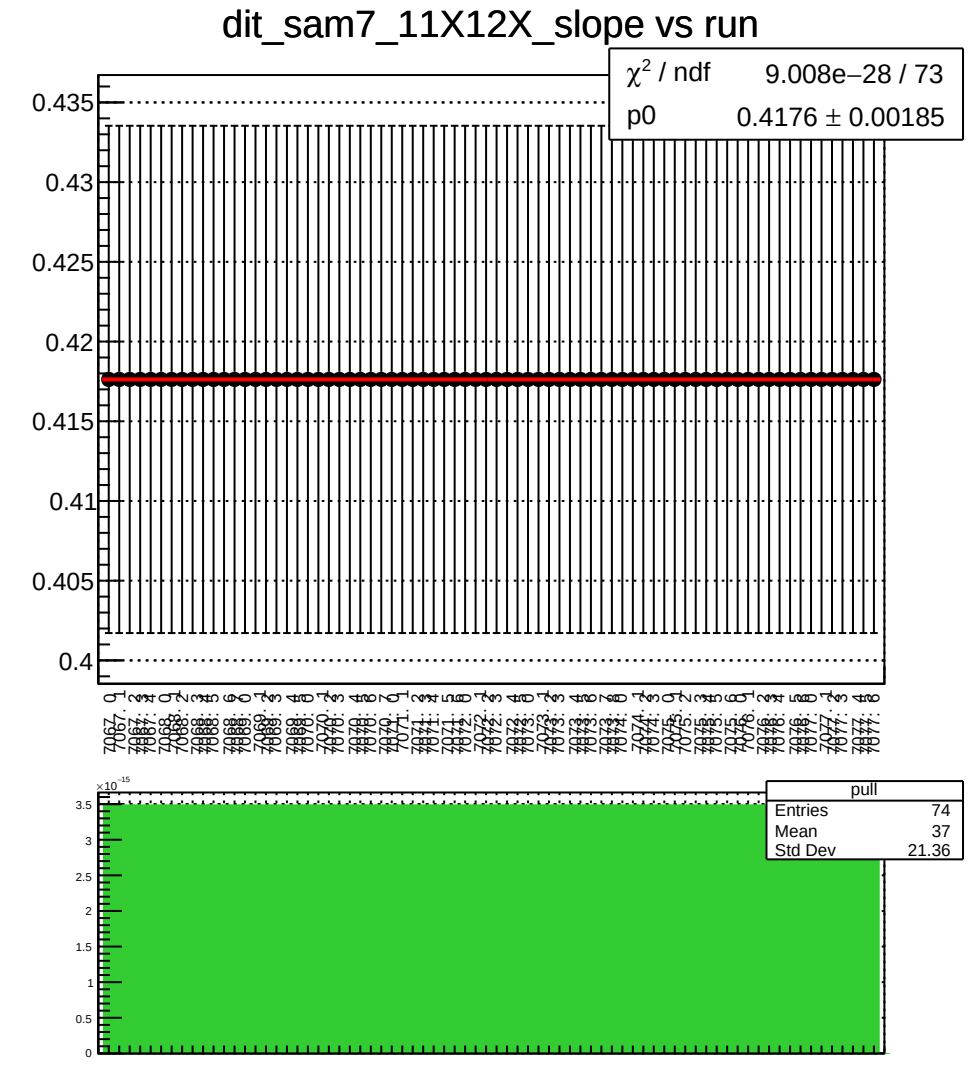

pull1D
Entries 74
Mean 1.723e−14
Std Dev1.037e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

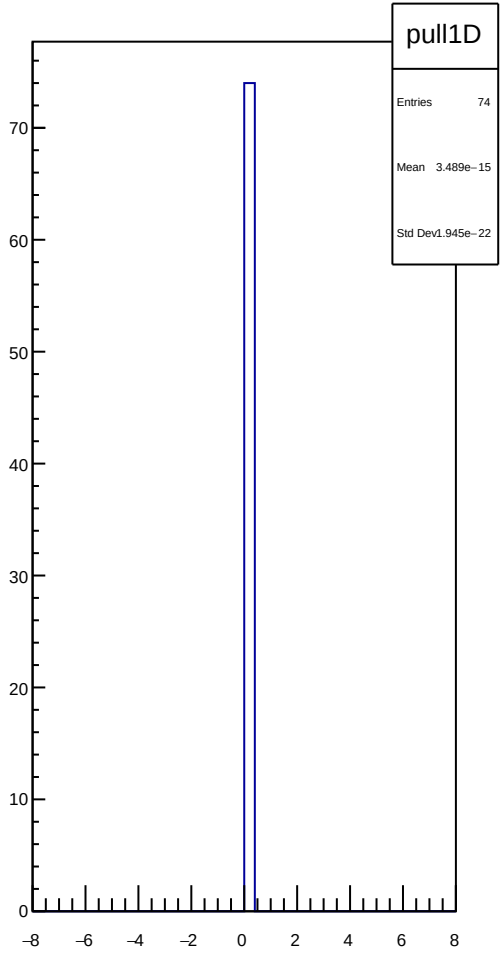

dit_sam6_4eY_slope vs run
χ² / ndf 2.016e−24 / 73
p0 100.9 ± 0.05005
101.4
101.2
101
100.8
100.6
100.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 74
Mean −1.65e−13
Std Dev4.792e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

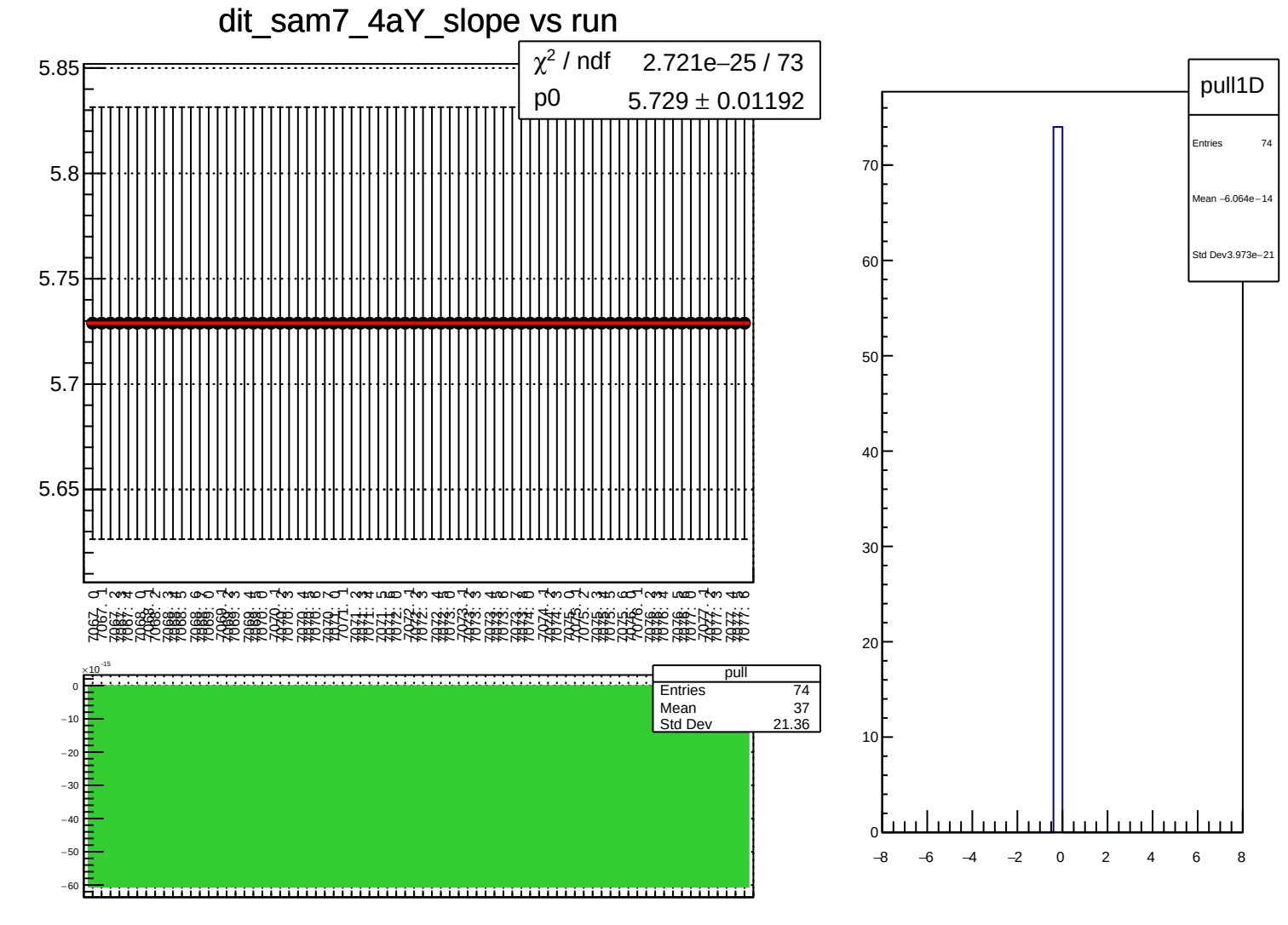

dit_sam7_4aX_slope vs run
χ² / ndf 3.587e−26 / 73
p0 39.97 ± 0.1501
41.5
41
40.5
40
39.5
39
38.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

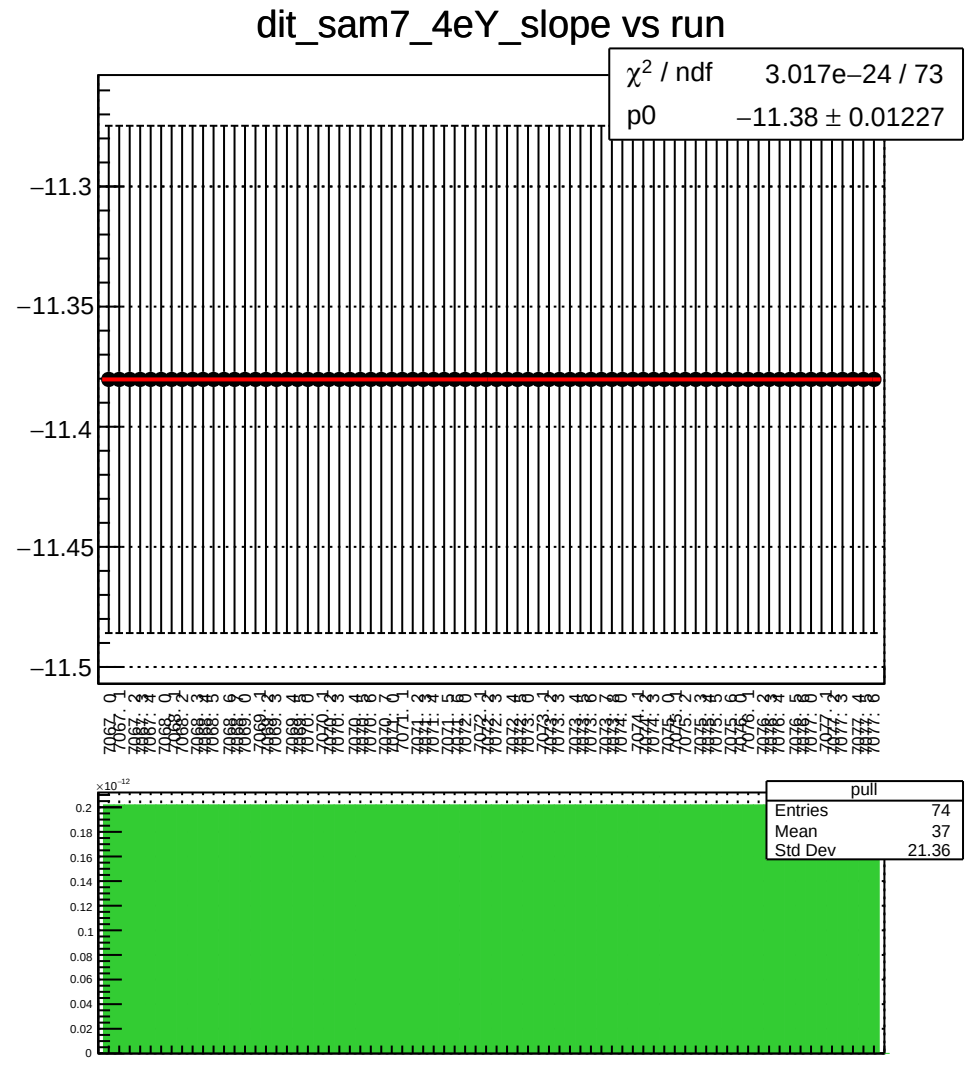

pull1D
Entries 74
Mean 2.202e−14
Std Dev 8.47e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

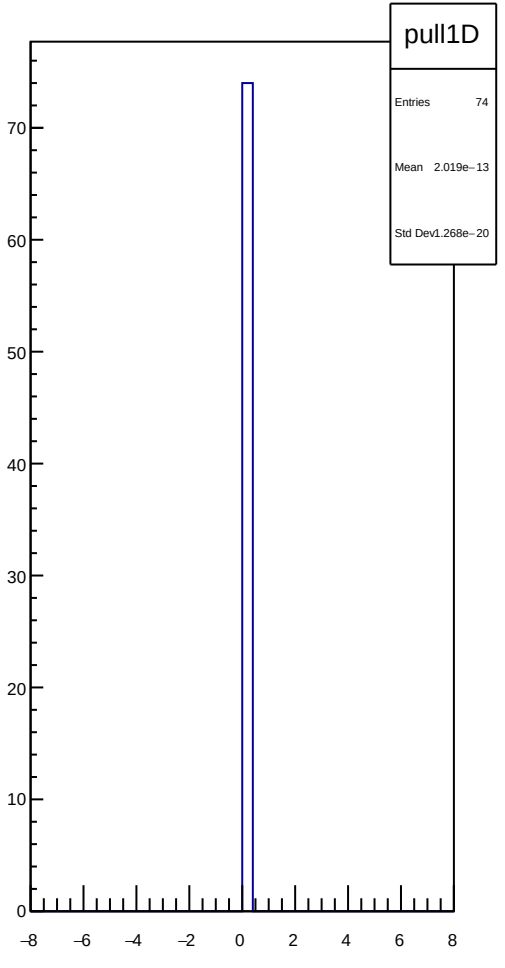

dit_sam7_4eX_slope vs run
χ² / ndf 1.236e−24 / 73
p0 −77.47 ± 0.1278
−76.5
−77
−77.5
−78
−78.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 74
Mean 1.293e−13
Std Dev5.357e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

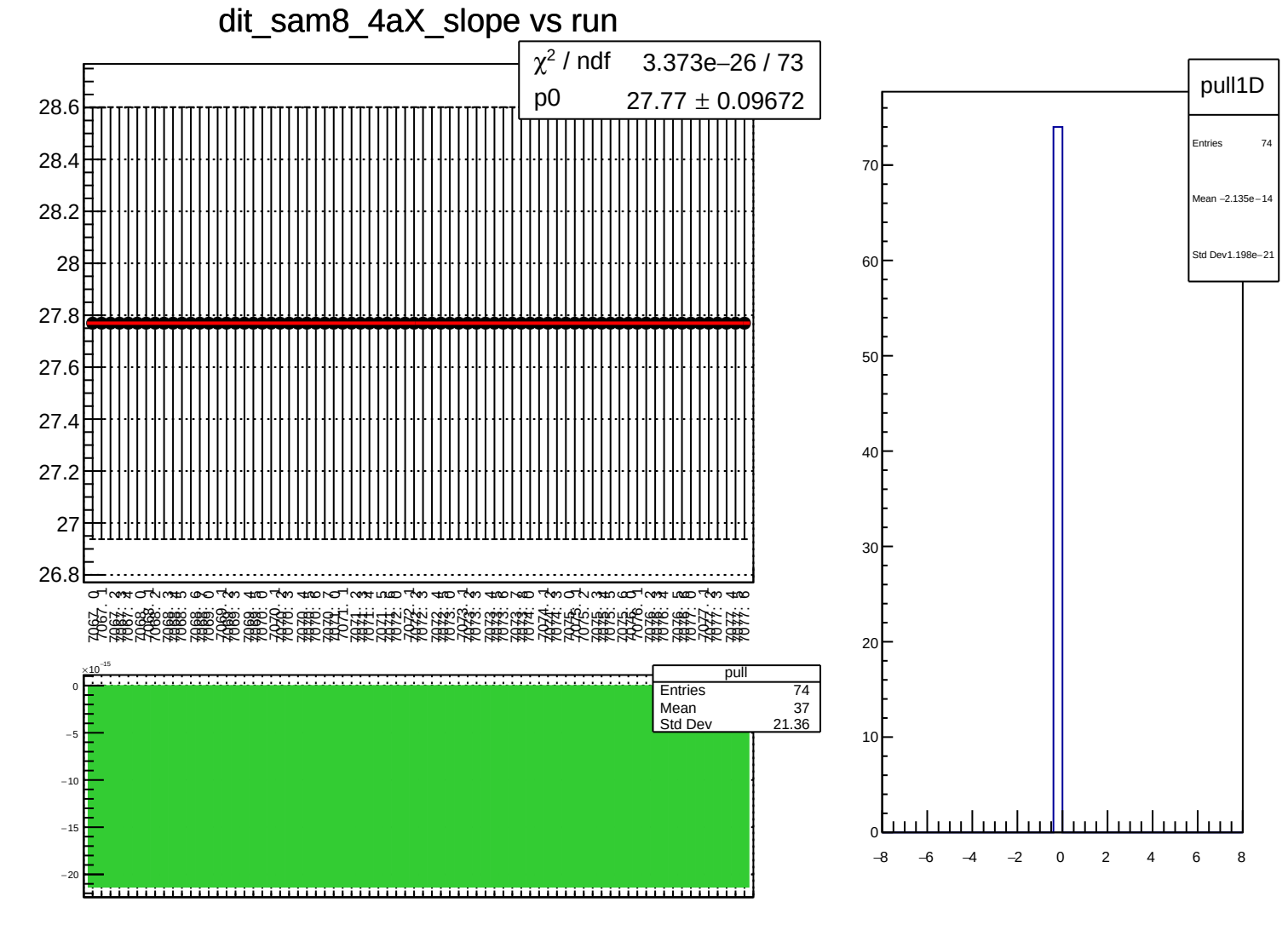

dit_sam7_11X12X_slope vs run
χ² / ndf 9.008e−28 / 73
p0 0.4176 ± 0.00185
0.435
0.43
0.425
0.42
0.415
0.41
0.405
0.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0

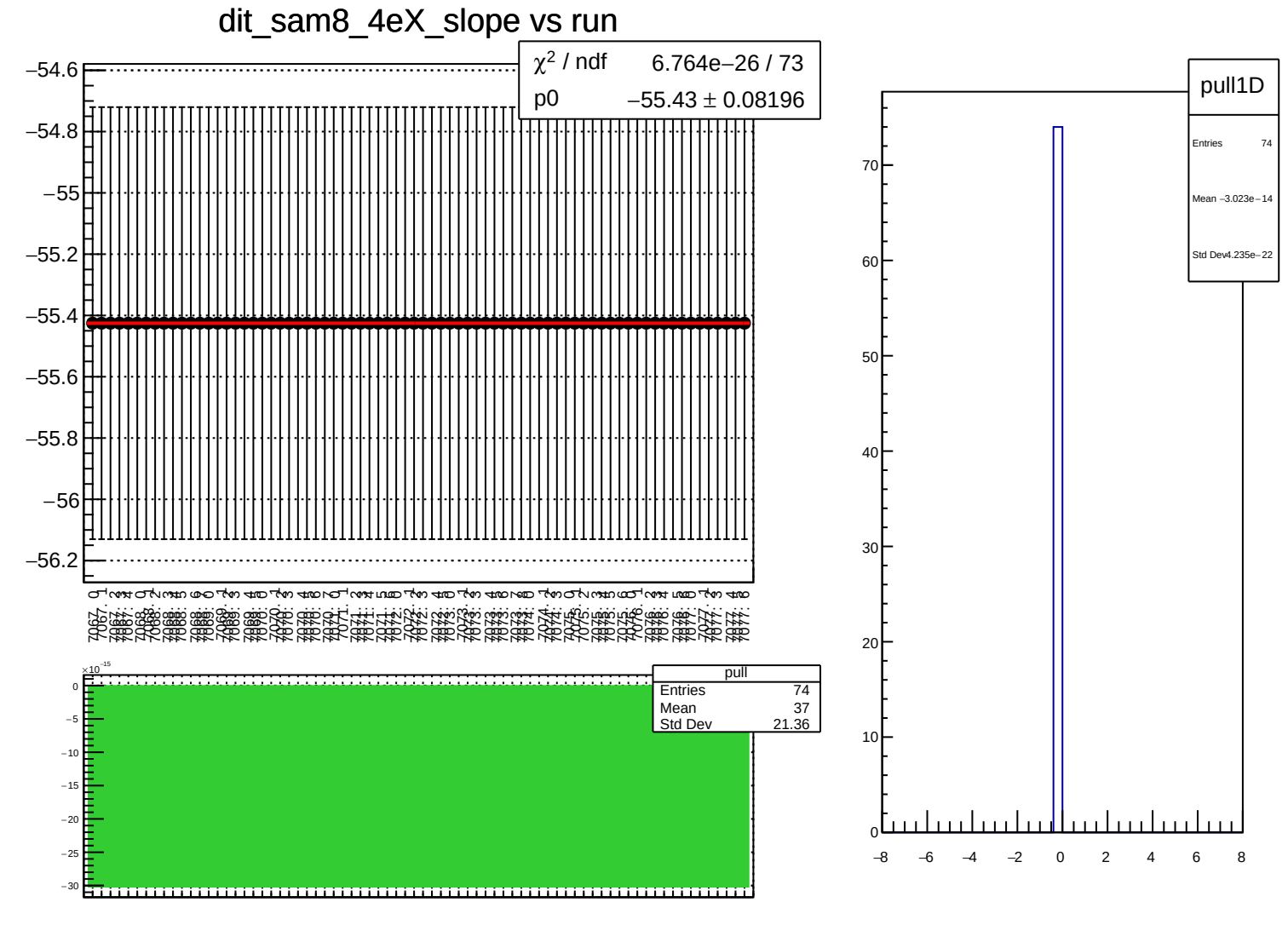

pull1D
Entries 74
Mean 3.489e−15
Std Dev1.945e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

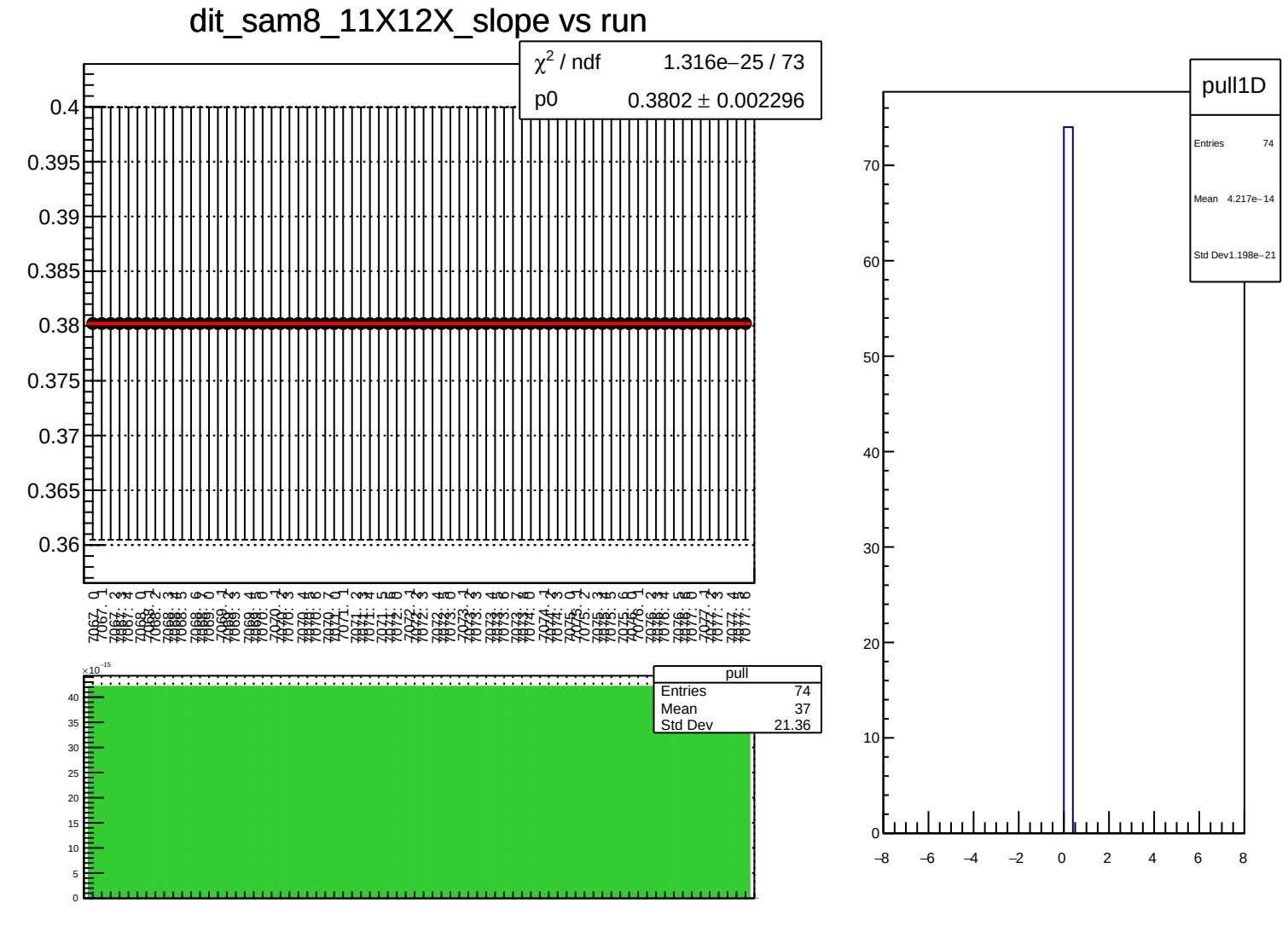

dit_sam7_4aY_slope vs run
χ² / ndf 2.721e−25 / 73
p0 5.729 ± 0.01192
5.85
5.8
5.75
5.7
5.65
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 74
Mean −6.064e−14
Std Dev3.973e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

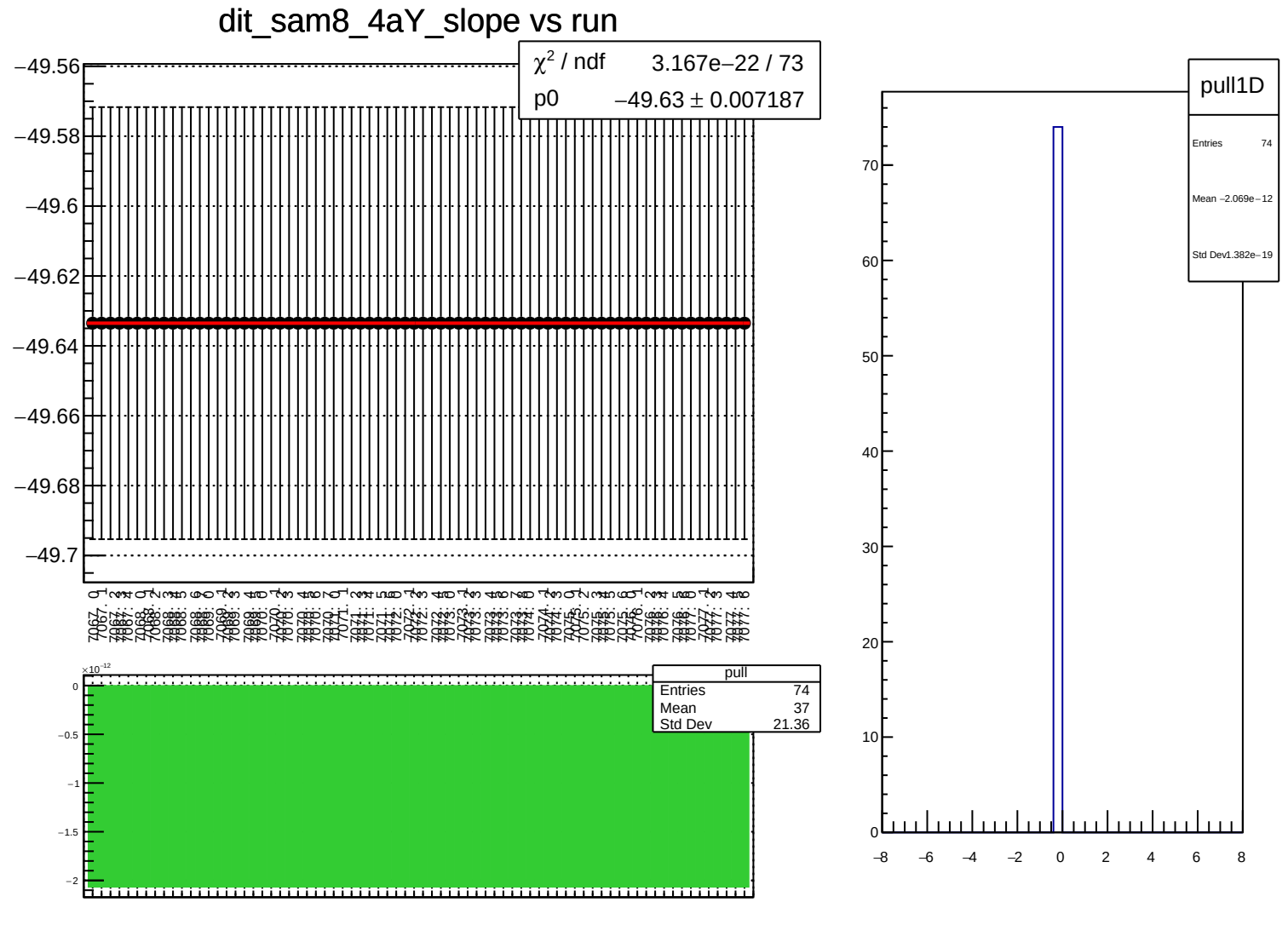

dit_sam7_4eY_slope vs run
χ² / ndf 3.017e−24 / 73
p0 −11.38 ± 0.01227
−11.3
−11.35
−11.4
−11.45
−11.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

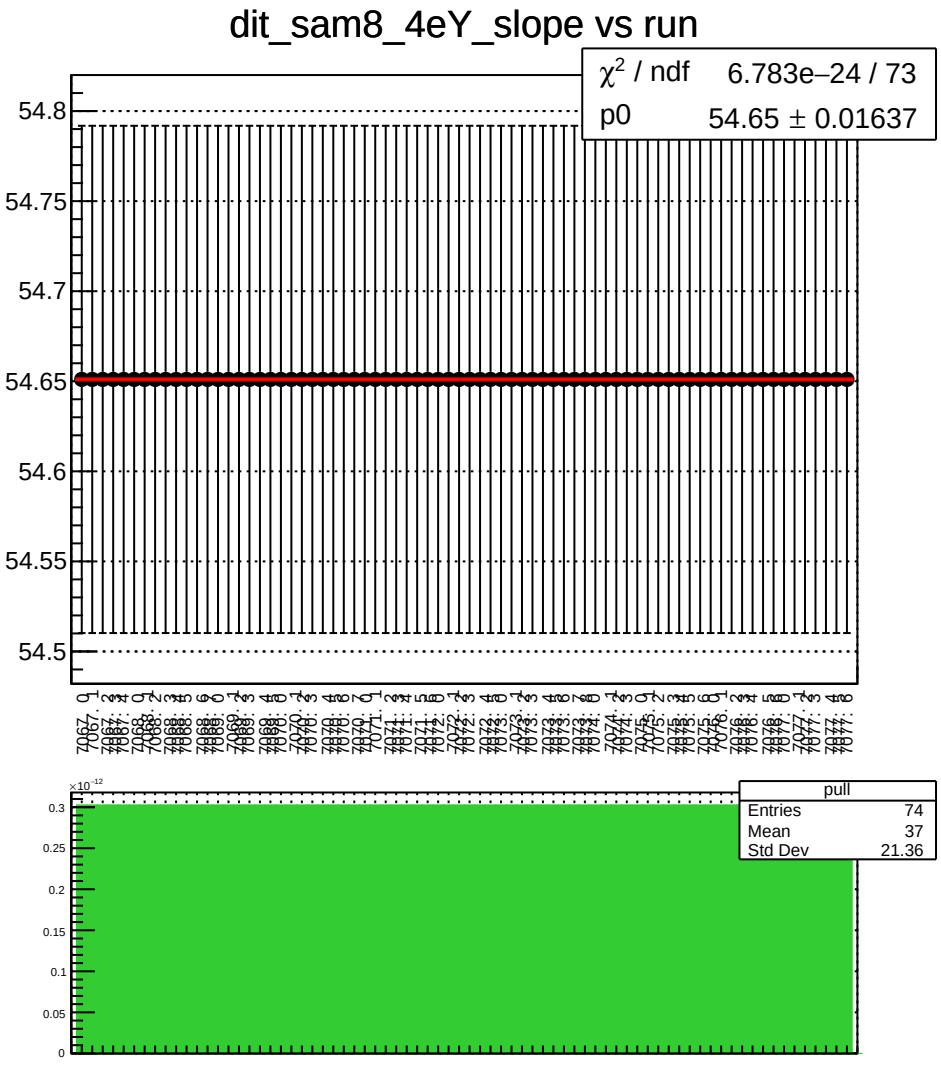

pull1D
Entries 74
Mean 2.019e−13
Std Dev1.268e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

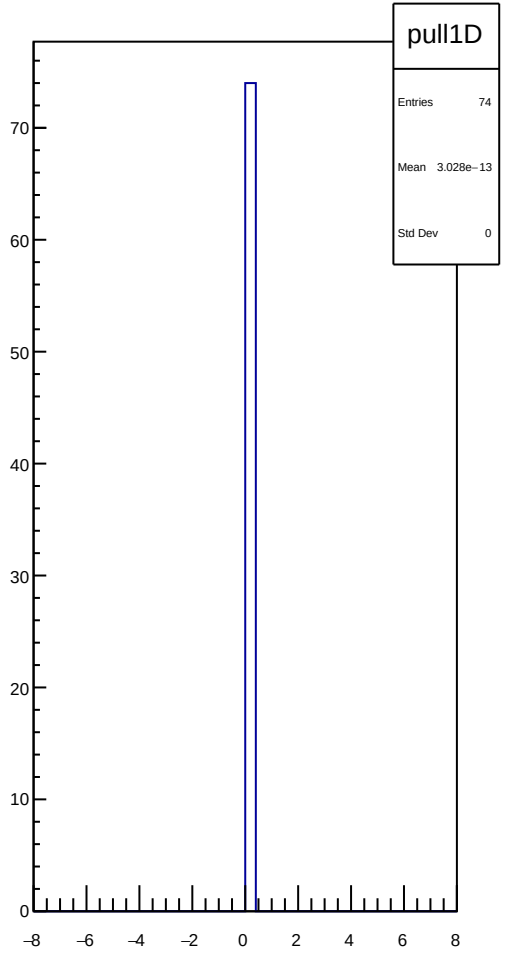

dit_sam8_4aX_slope vs run
χ² / ndf 3.373e−26 / 73
p0 27.77 ± 0.09672
28.6
28.4
28.2
28
27.8
27.6
27.4
27.2
27
26.8
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 74
Mean −2.135e−14
Std Dev1.198e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

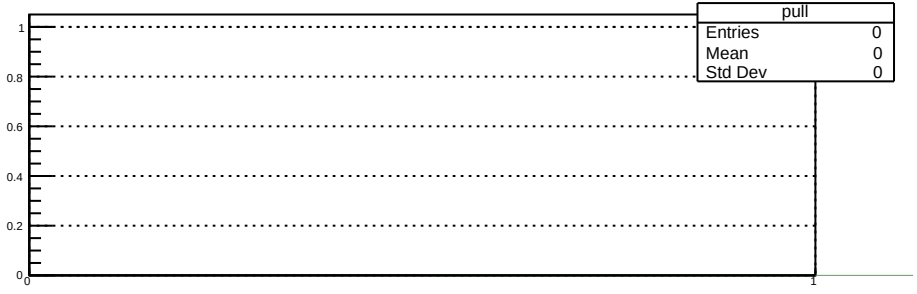

dit_sam8_4eX_slope vs run
χ^2 / ndf 6.764e−26 / 73
p0 −55.43 ± 0.08196
−54.6
−54.8
−55
−55.2
−55.4
−55.6
−55.8
−56
−56.2
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −3.023e−14
Std Dev4.235e−22

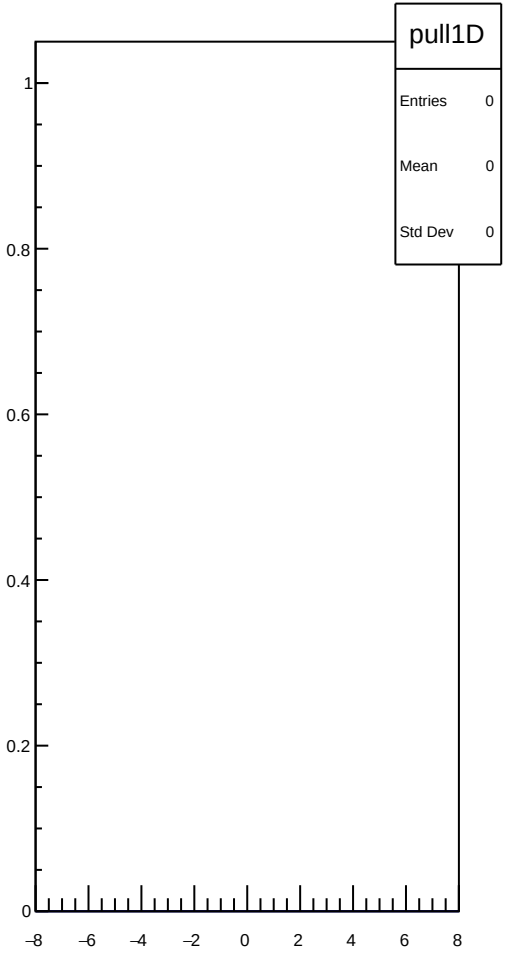

dit_sam8_11X12X_slope vs run
χ² / ndf 1.316e−25 / 73
p0 0.3802 ± 0.002296
0.4
0.395
0.39
0.385
0.38
0.375
0.37
0.365
0.36
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 74
Mean 4.217e−14
Std Dev 1.198e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

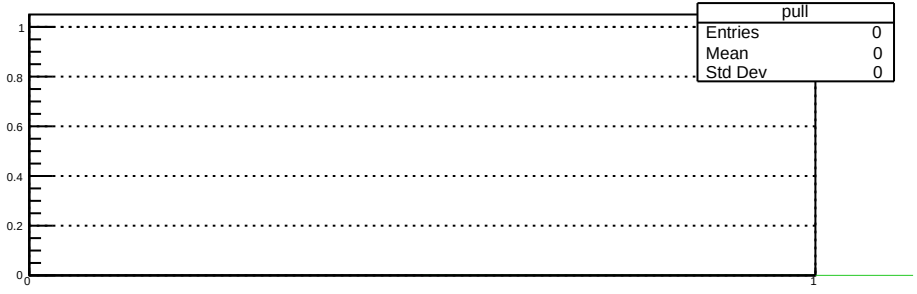

dit_sam8_4aY_slope vs run
χ² / ndf 3.167e−22 / 73
p0 −49.63 ± 0.007187
−49.56
−49.58
−49.6
−49.62
−49.64
−49.66
−49.68
−49.7
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −2.069e−12
Std Dev 1.382e−19
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

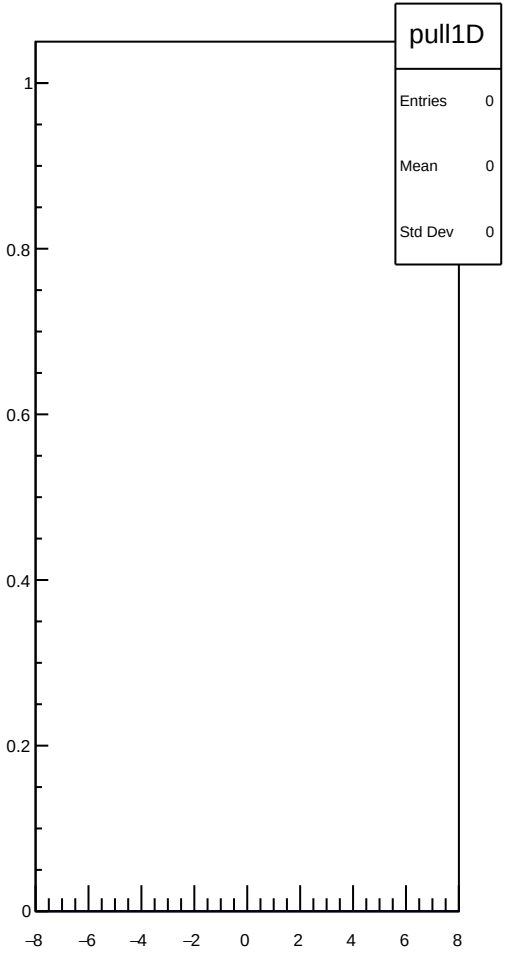

dit_sam8_4eY_slope vs run
χ² / ndf 6.783e−24 / 73
p0 54.65 ± 0.01637
54.8
54.75
54.7
54.65
54.6
54.55
54.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

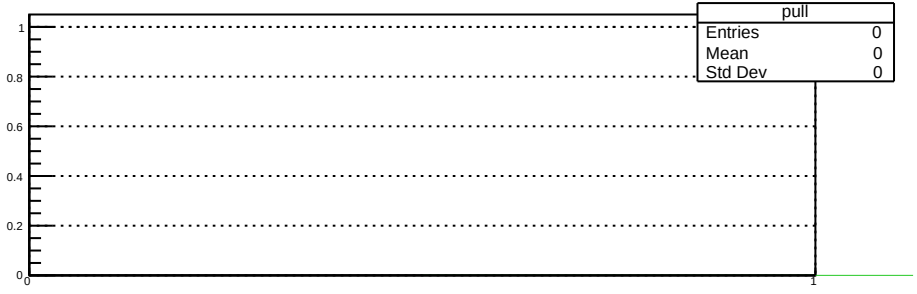

pull1D
Entries 74
Mean 3.028e−13
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

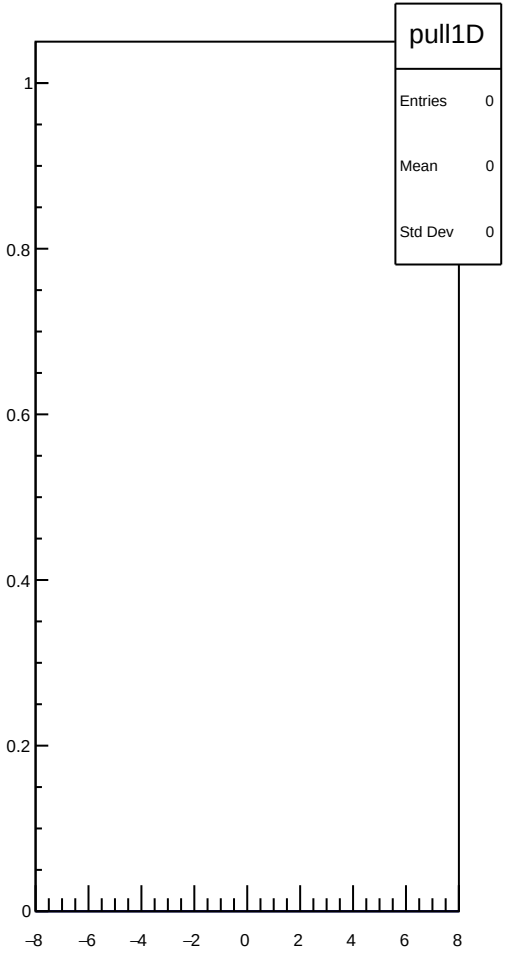

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

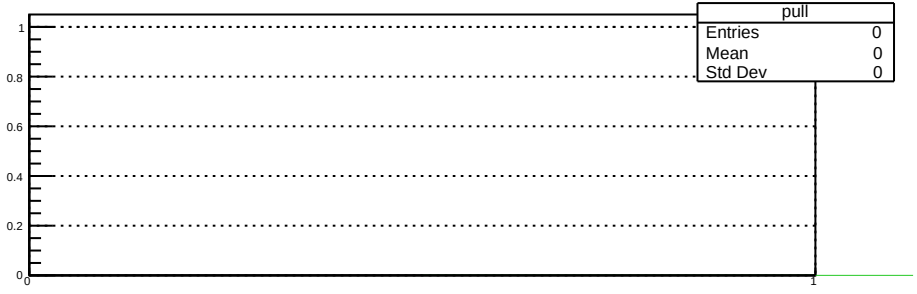

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

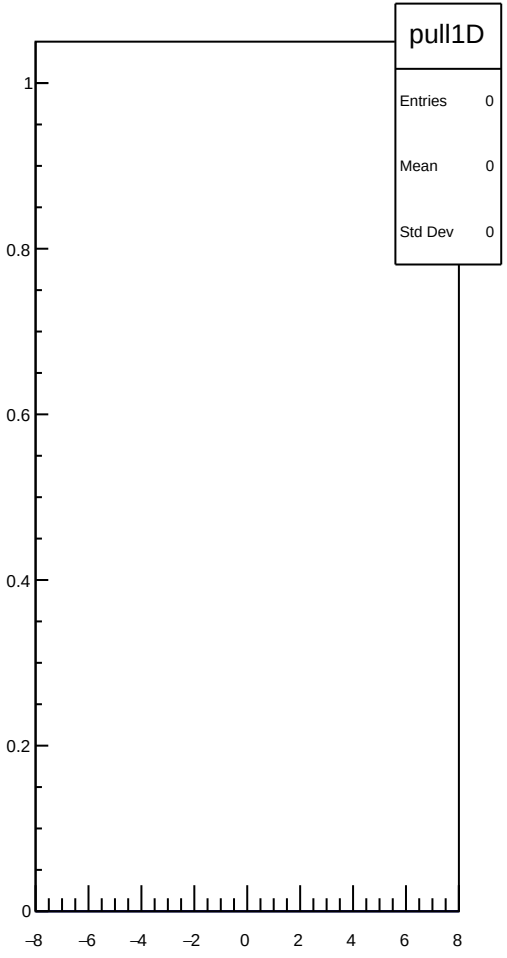

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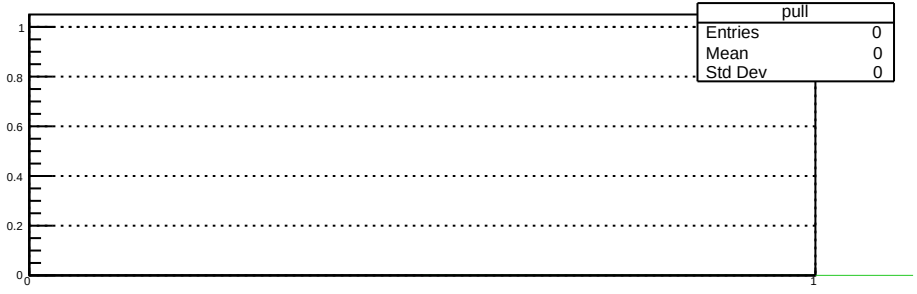

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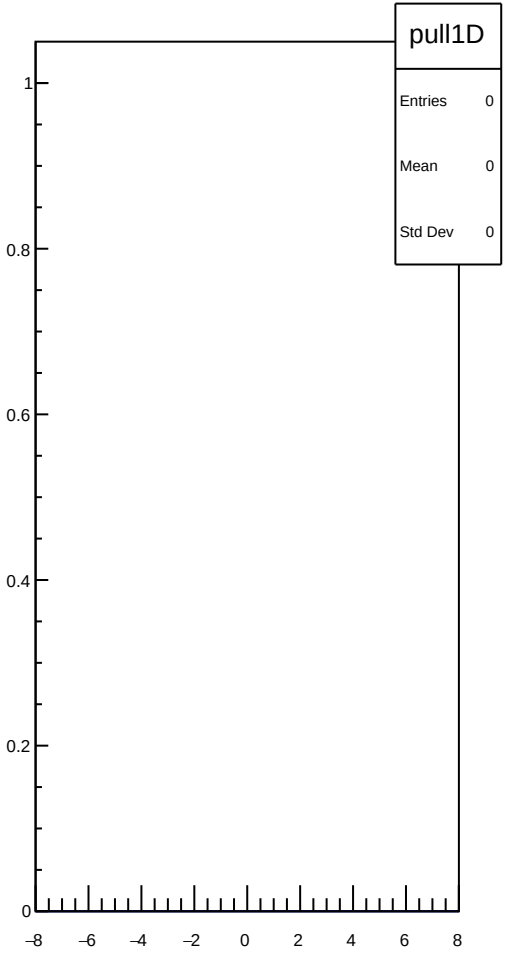

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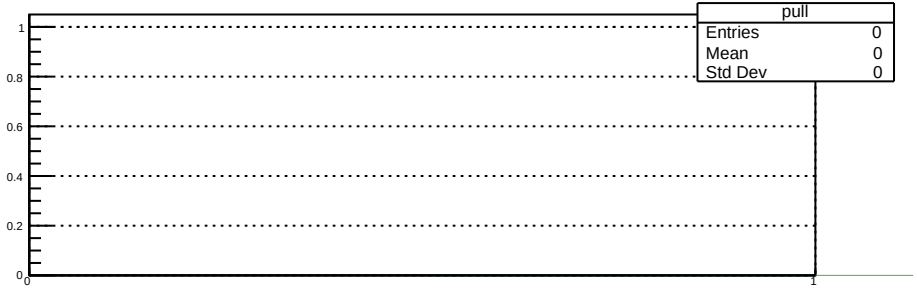

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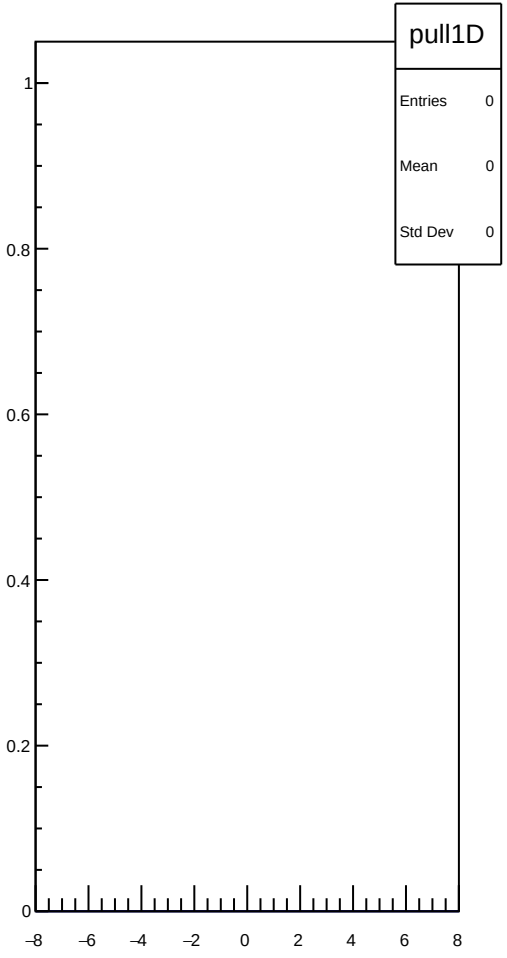

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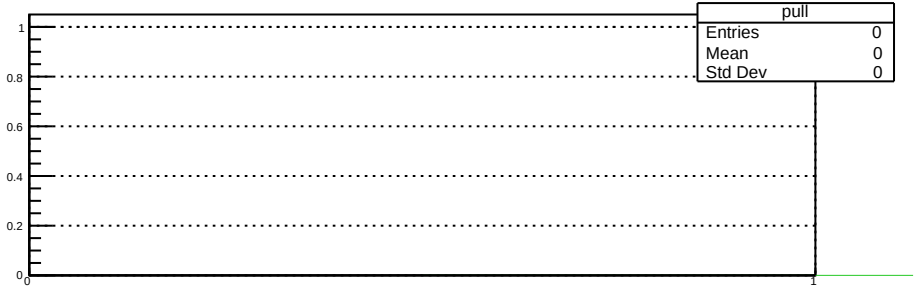

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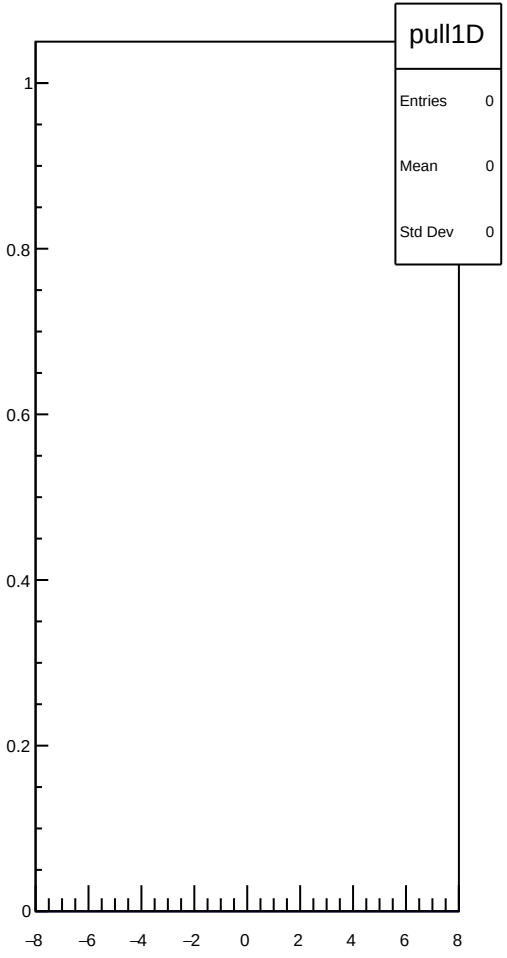

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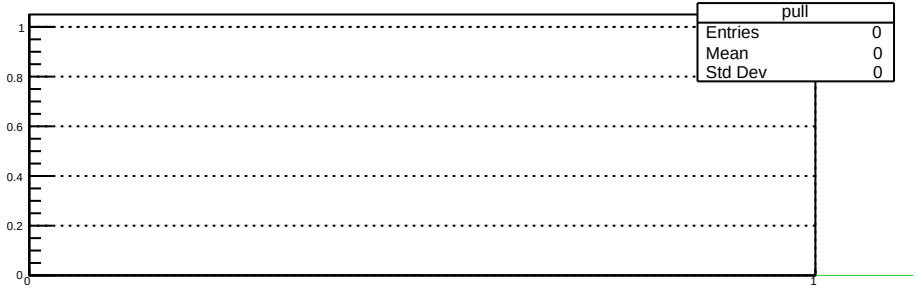

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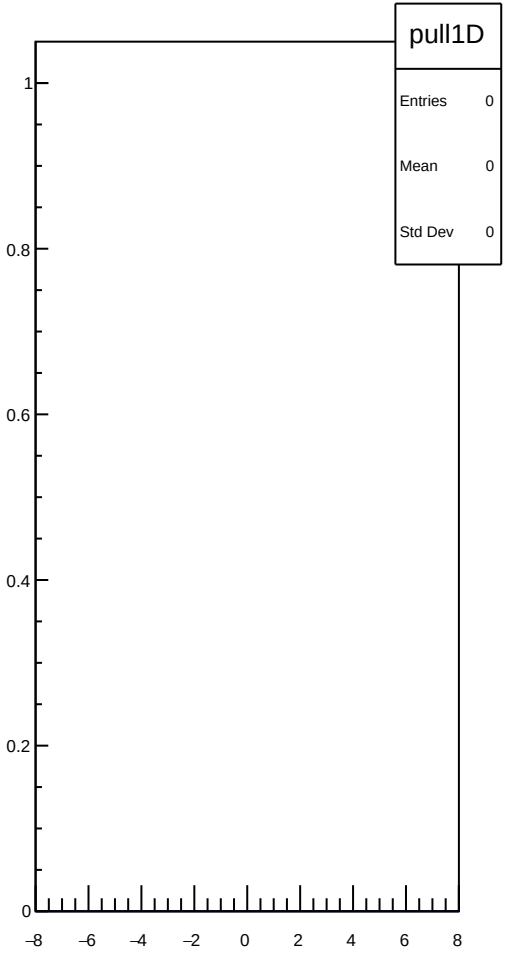

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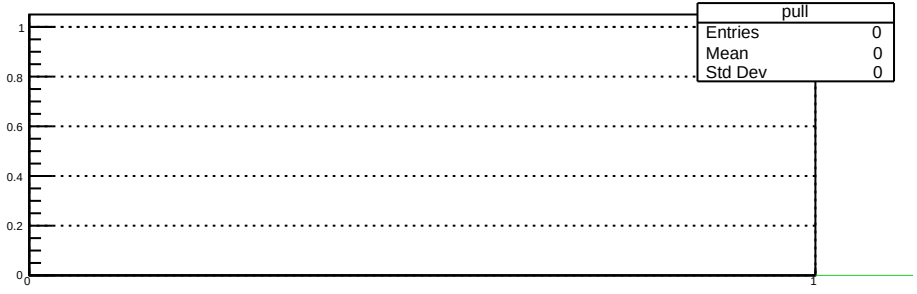

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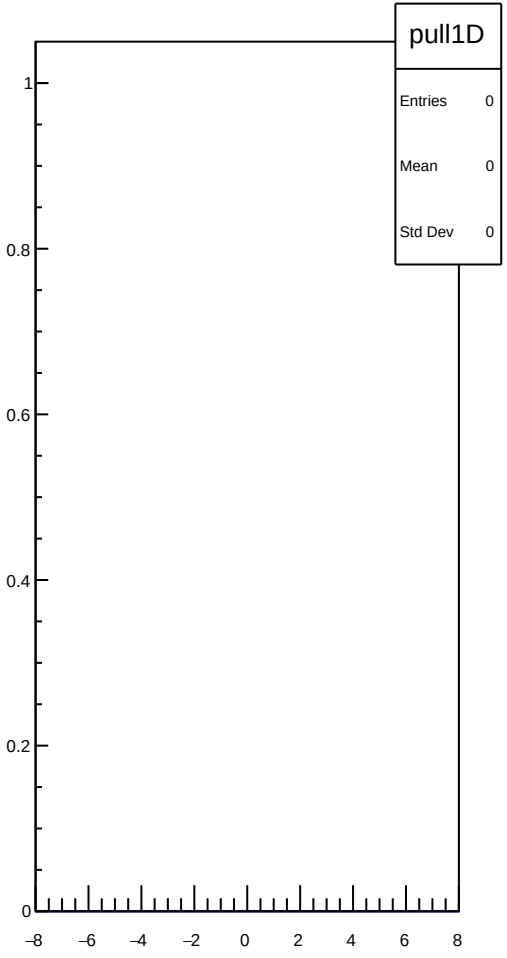

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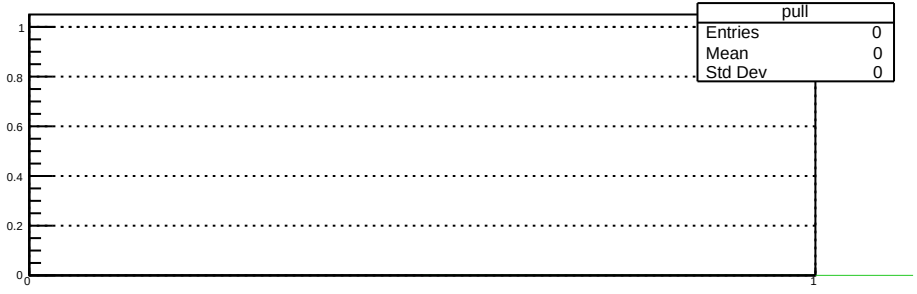

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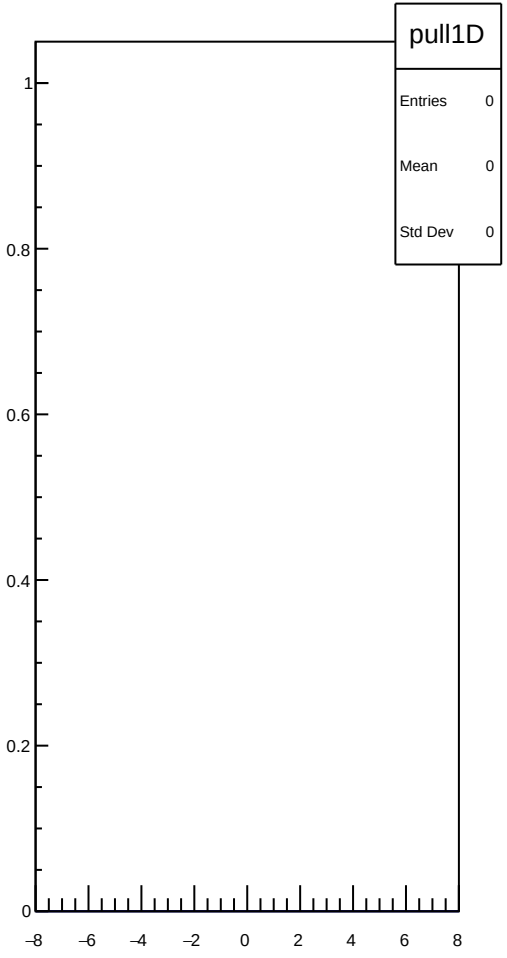

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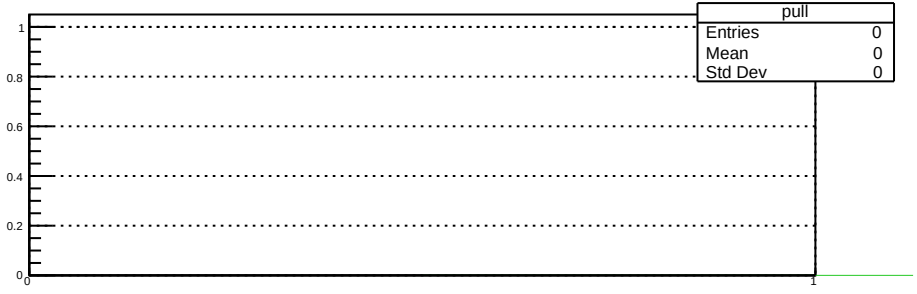

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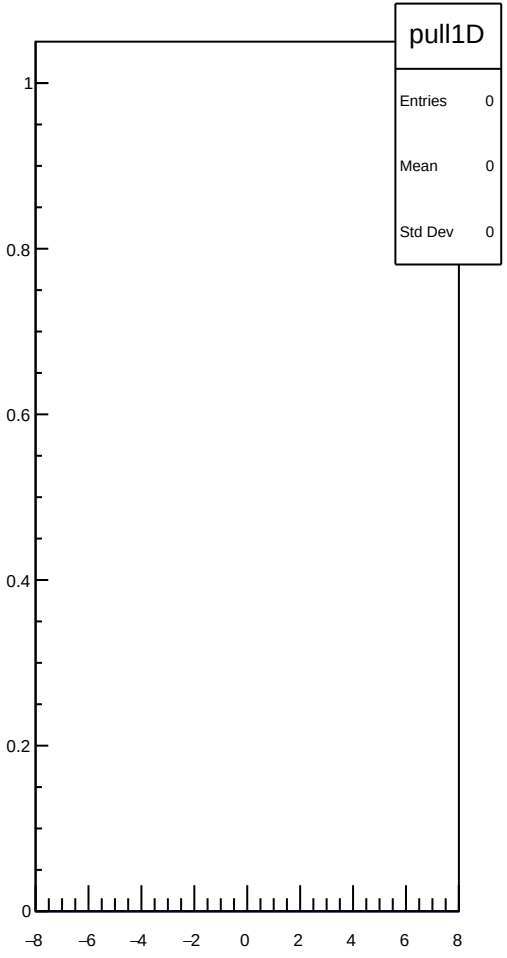

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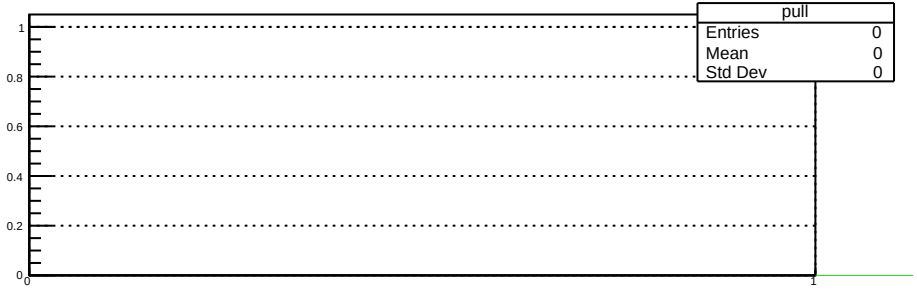

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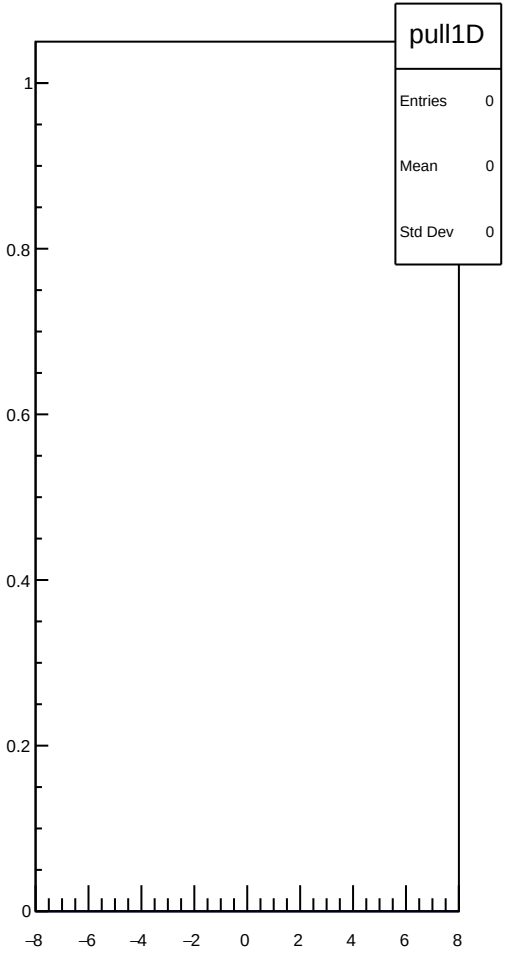

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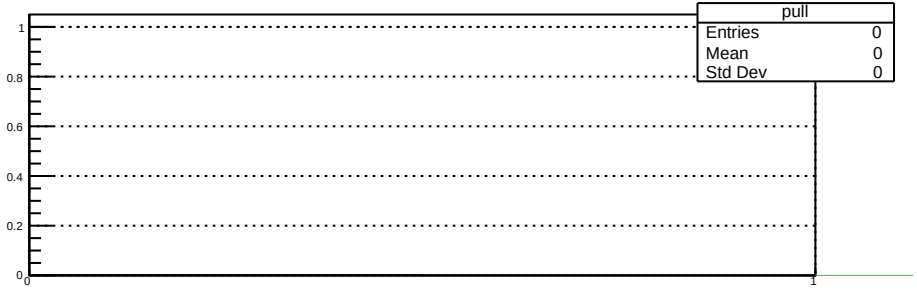

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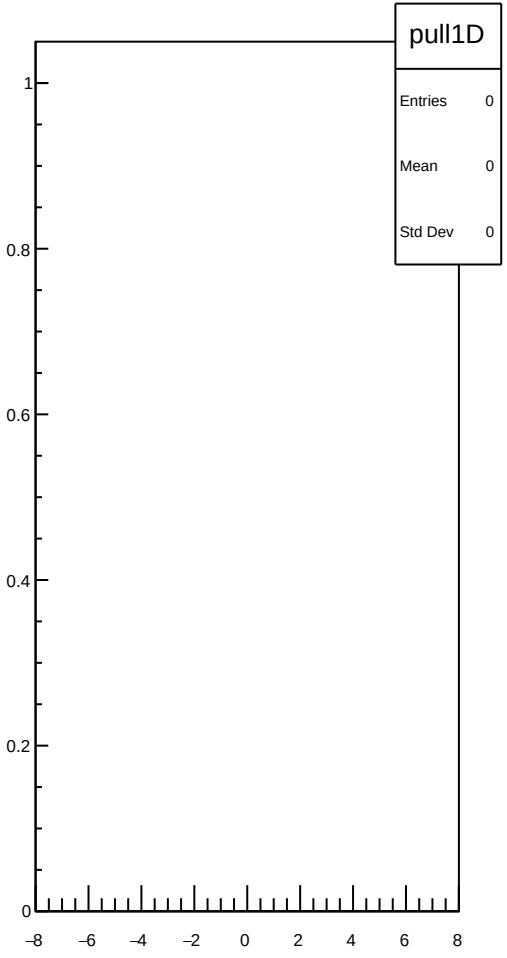

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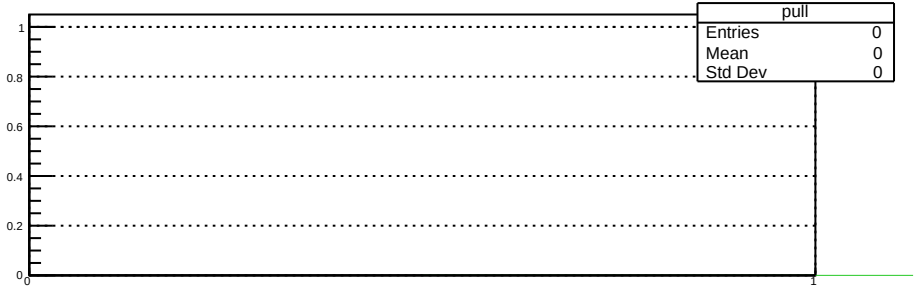

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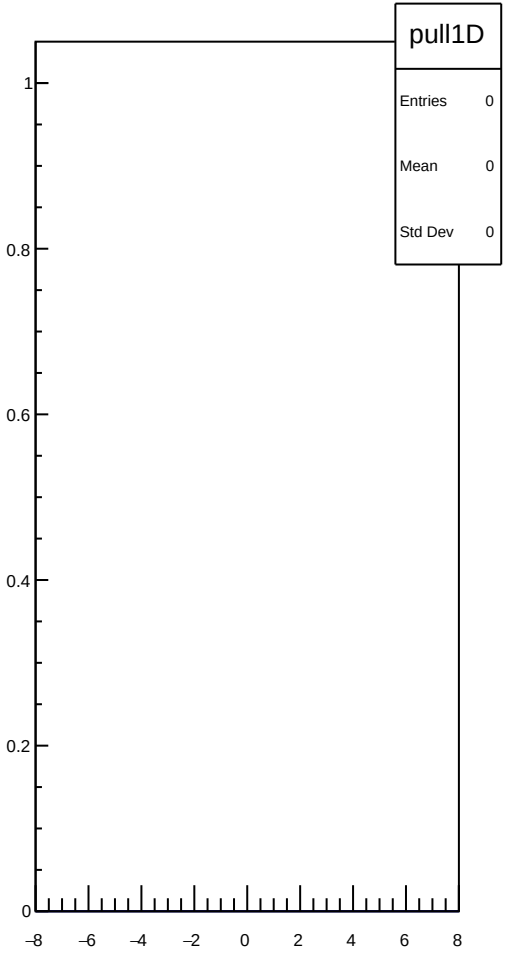

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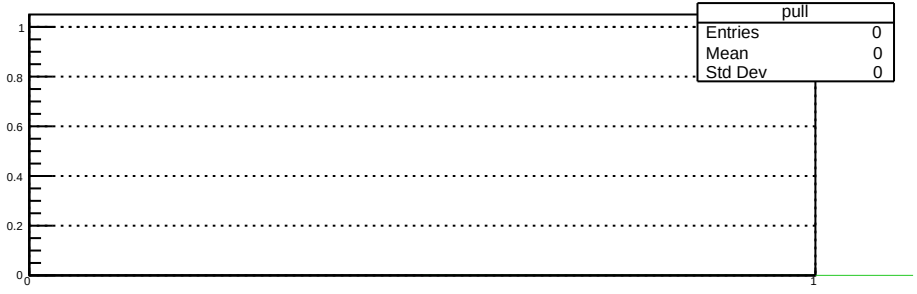

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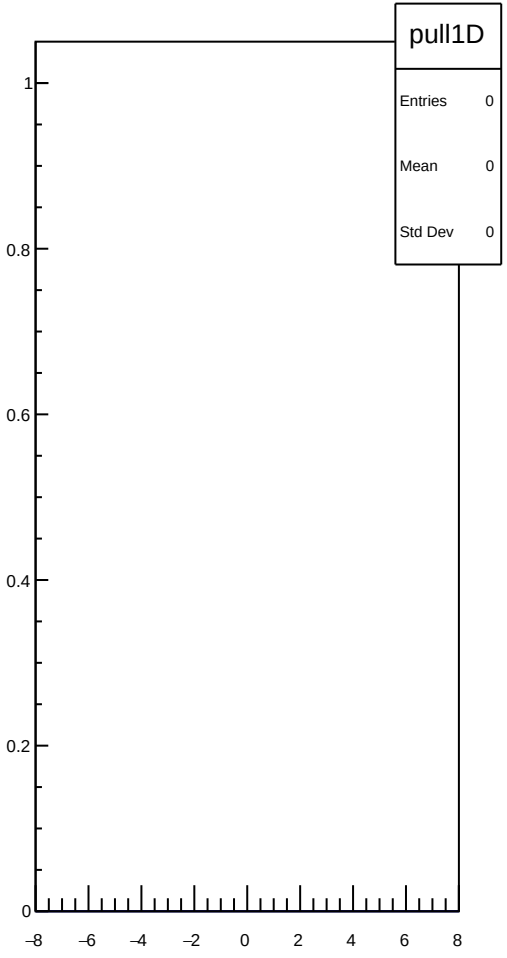

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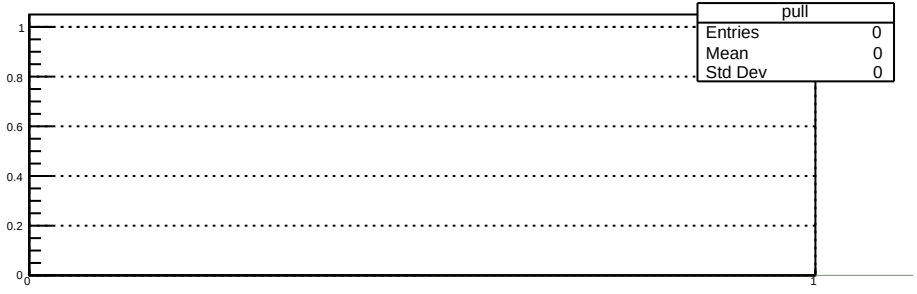

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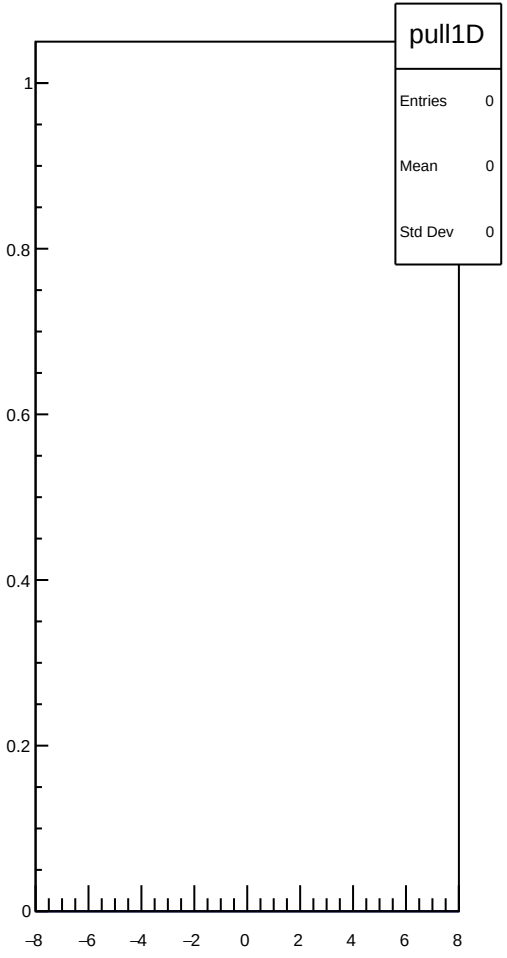

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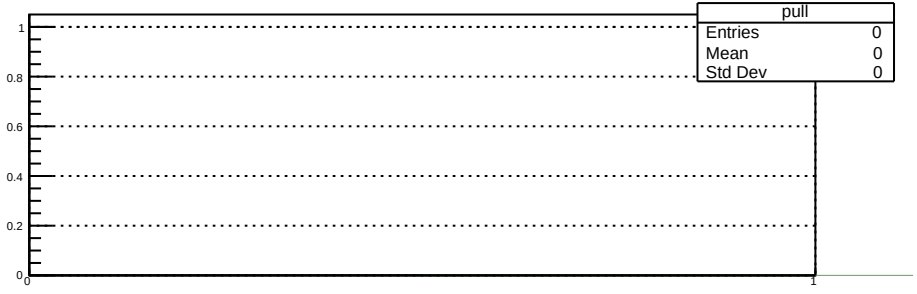

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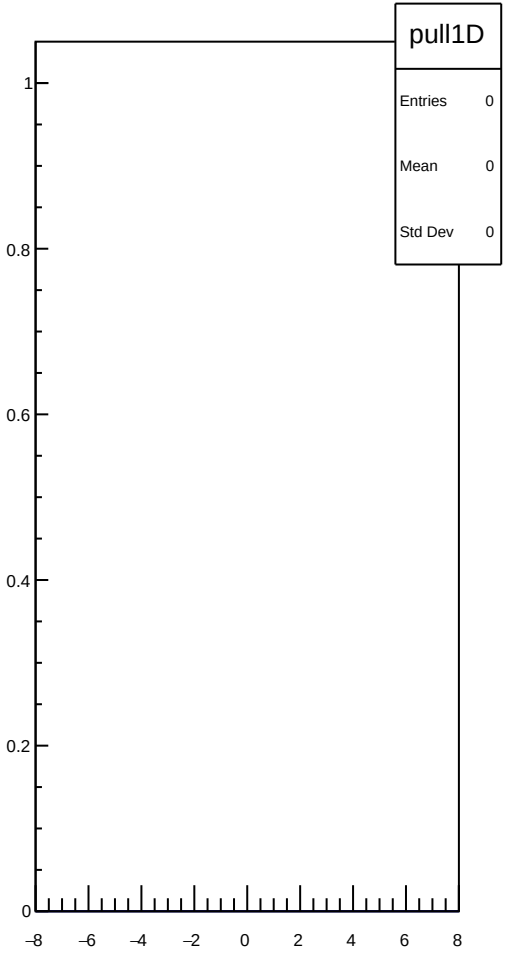

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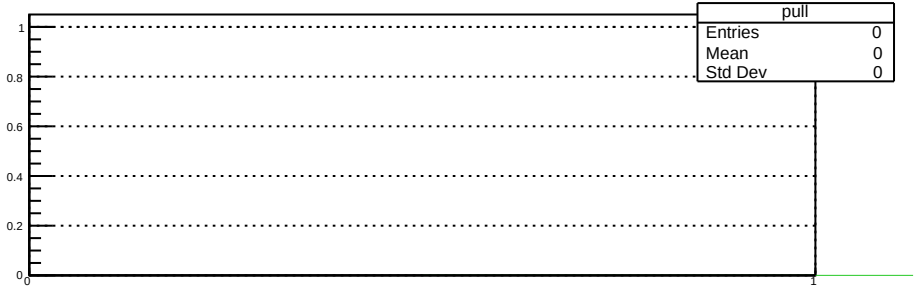

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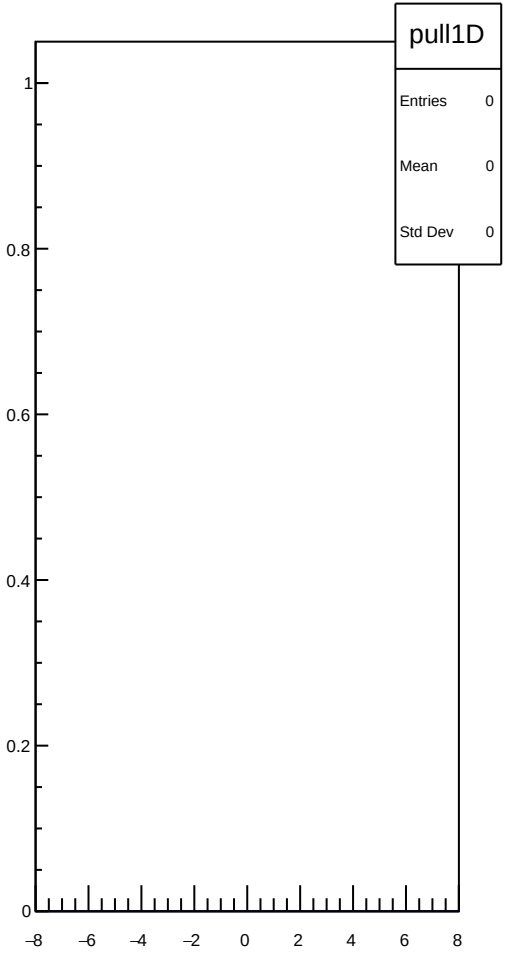

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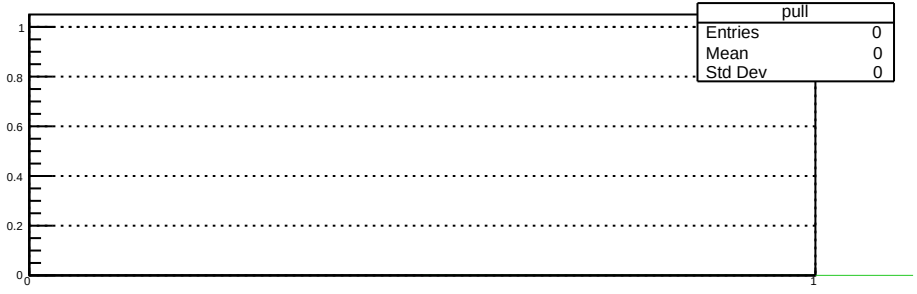

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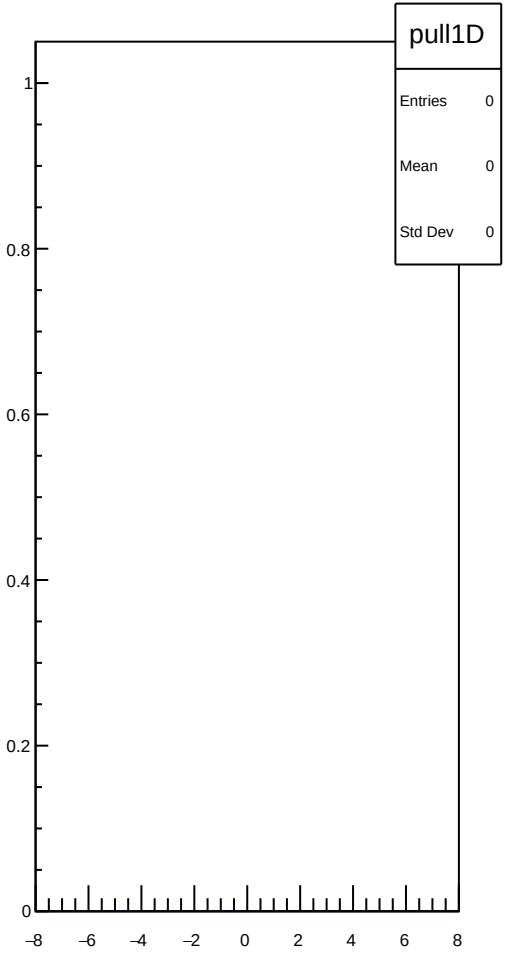

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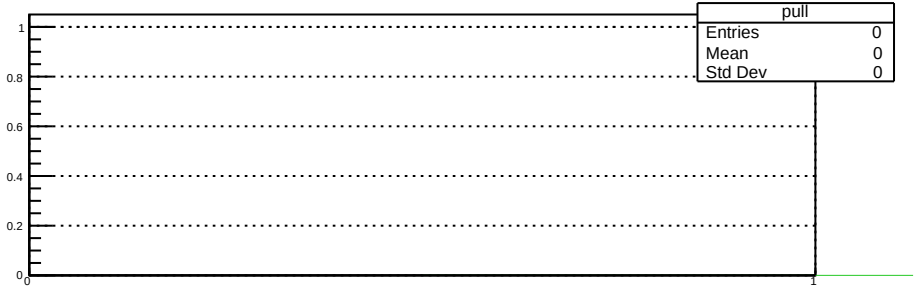

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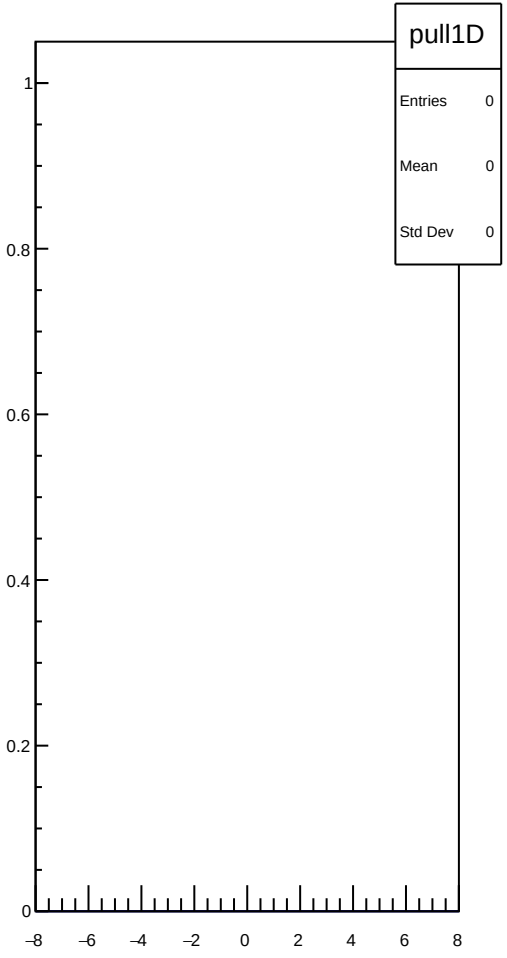

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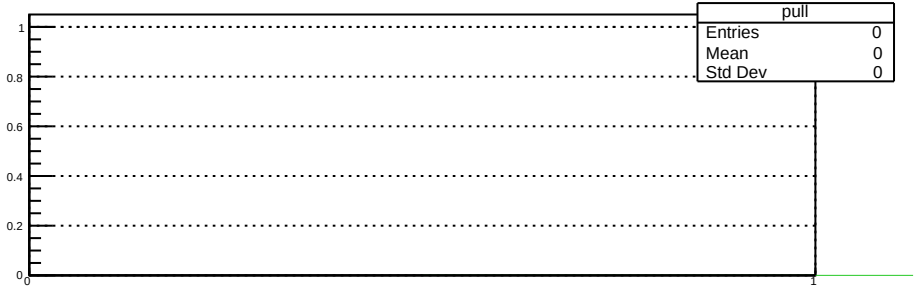

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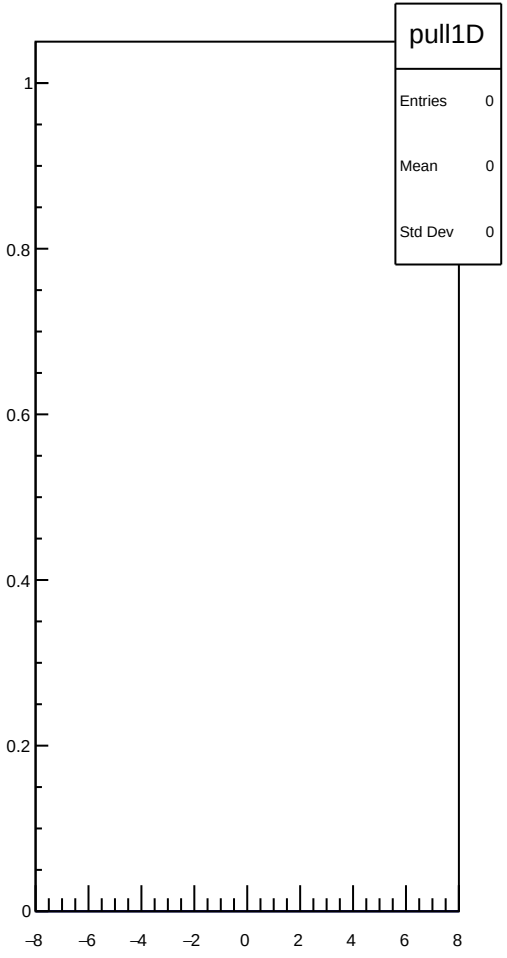

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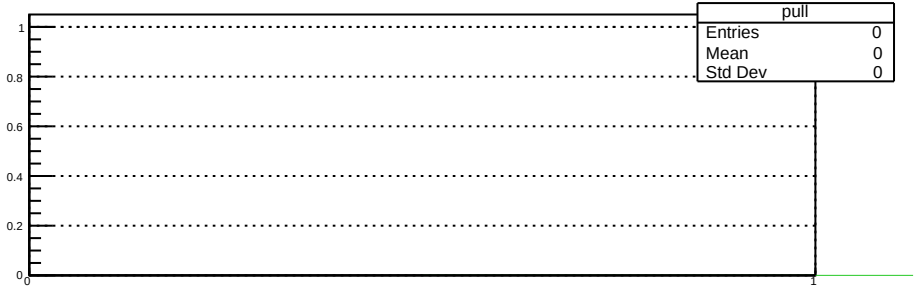

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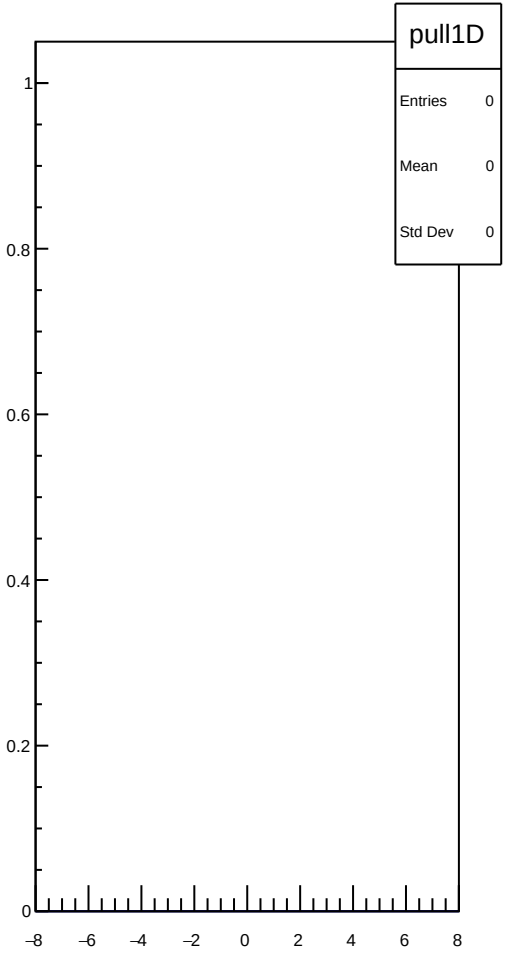

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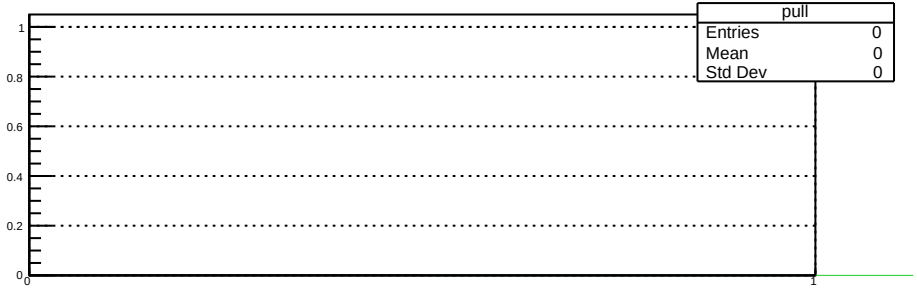

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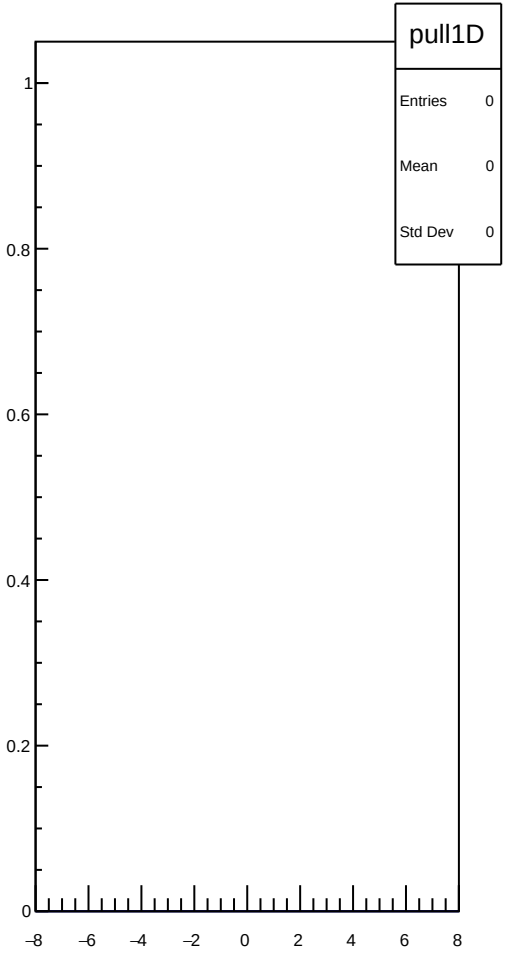

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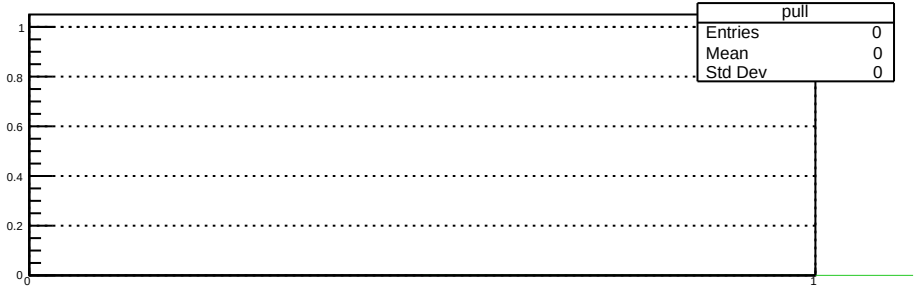

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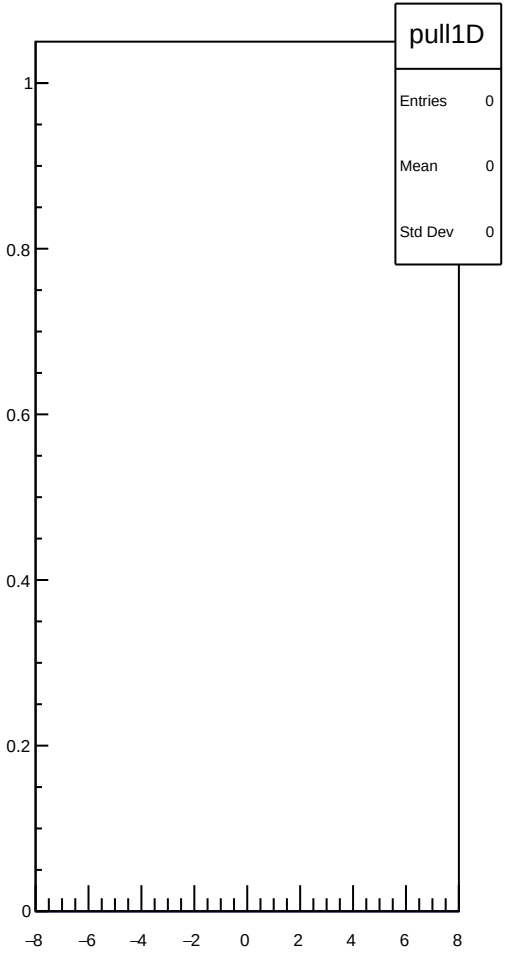

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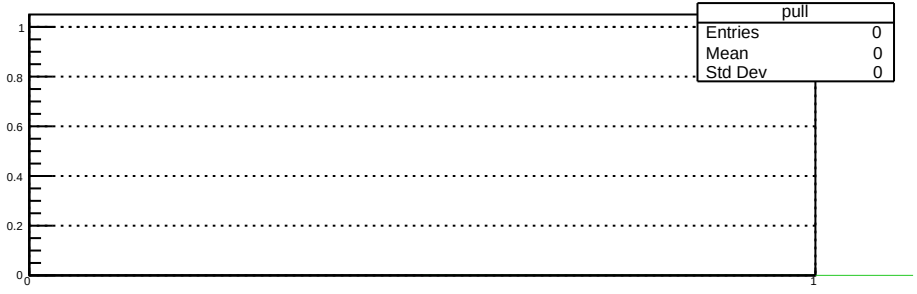

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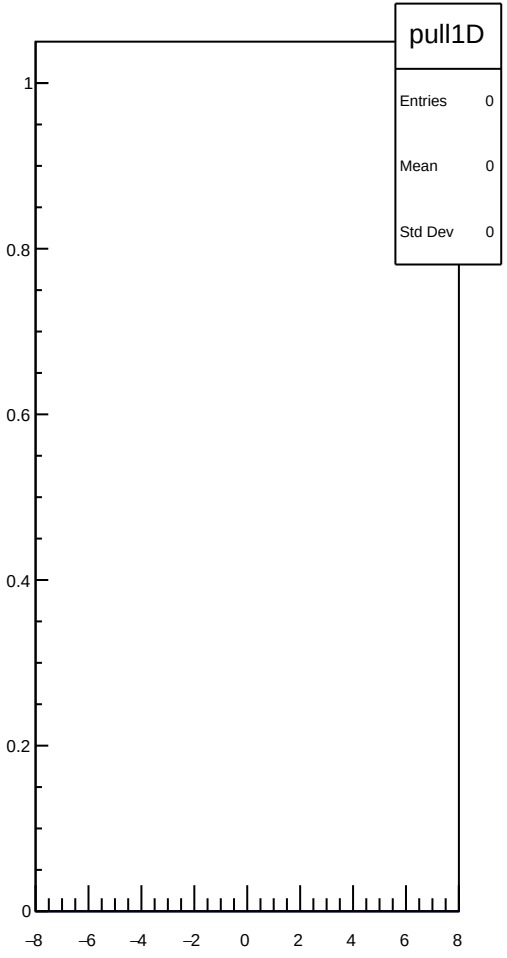

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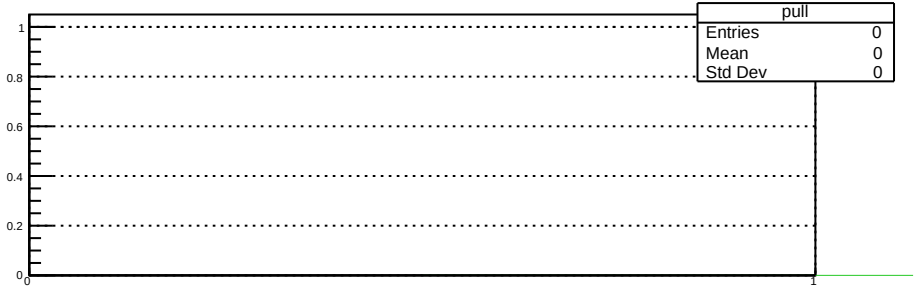

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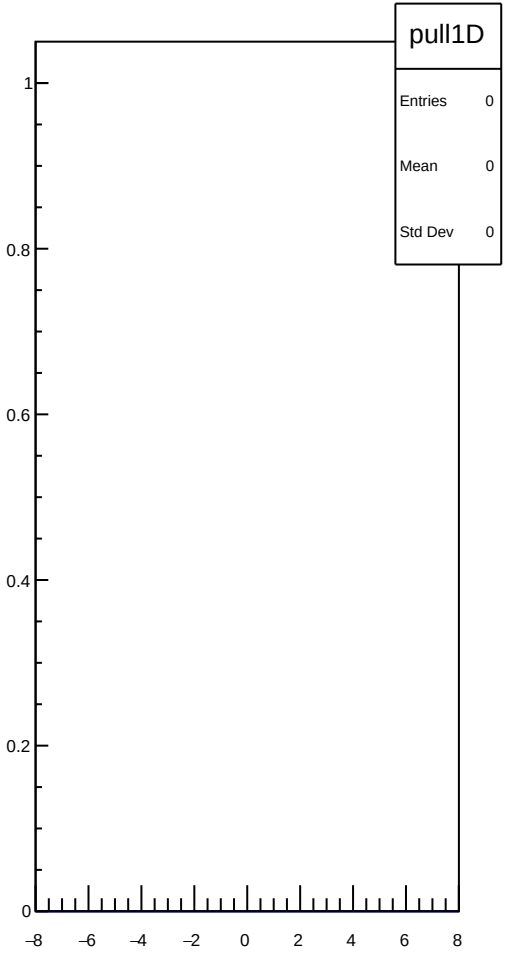

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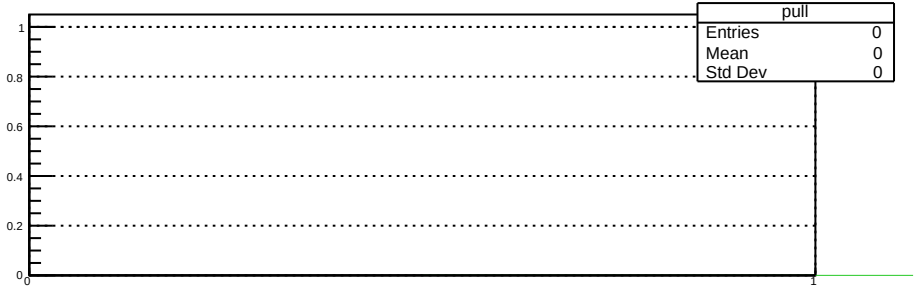

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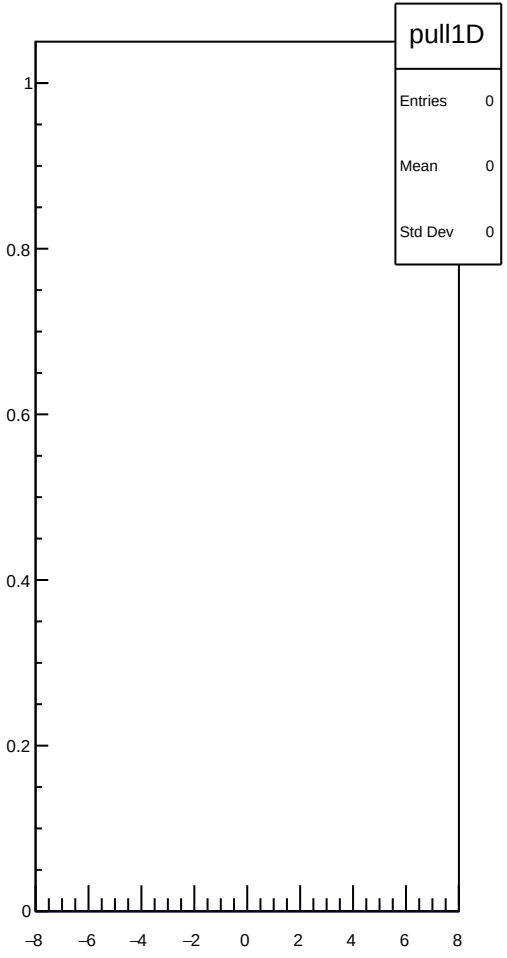

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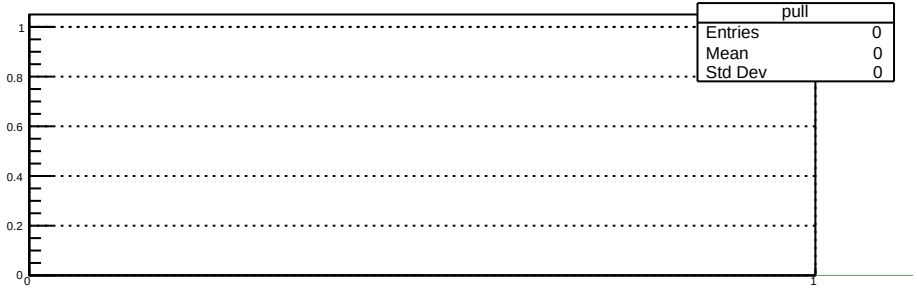

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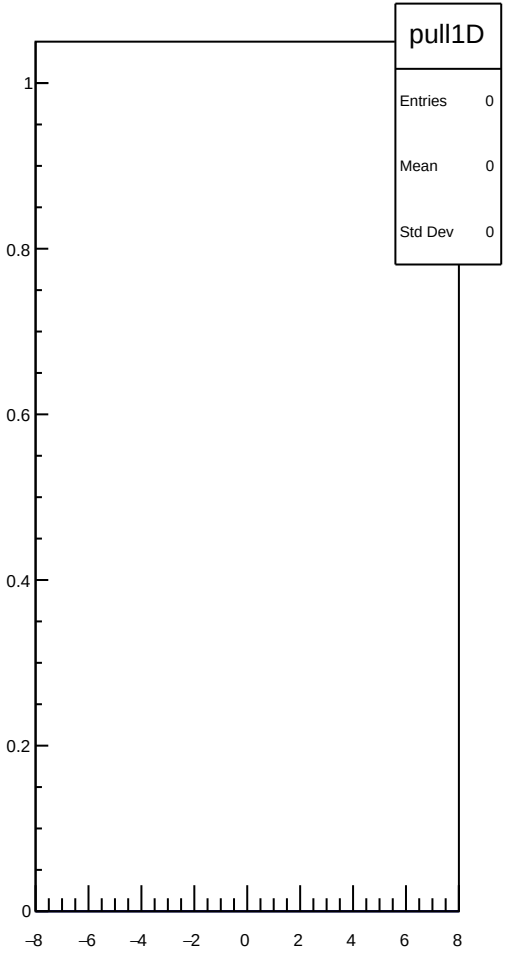

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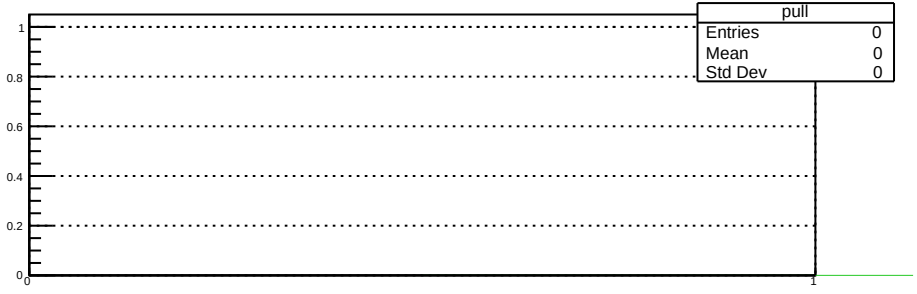

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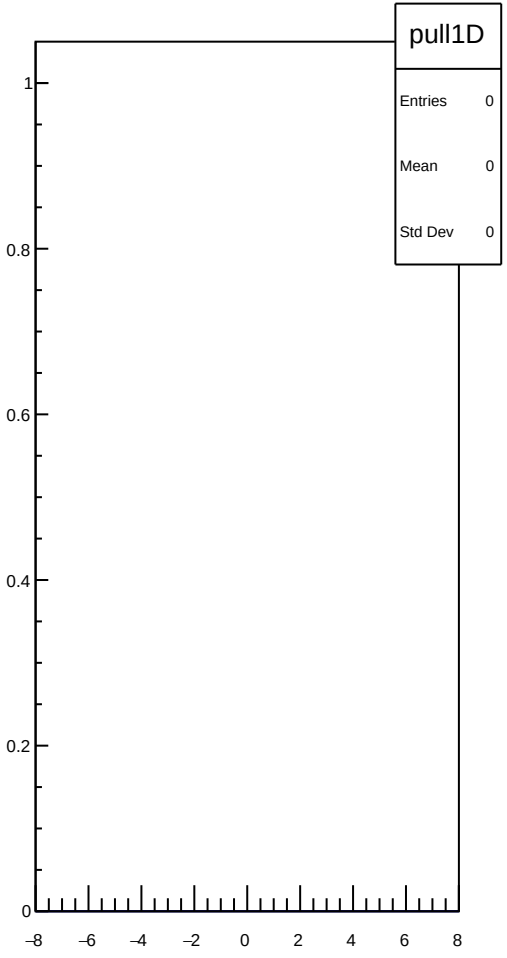

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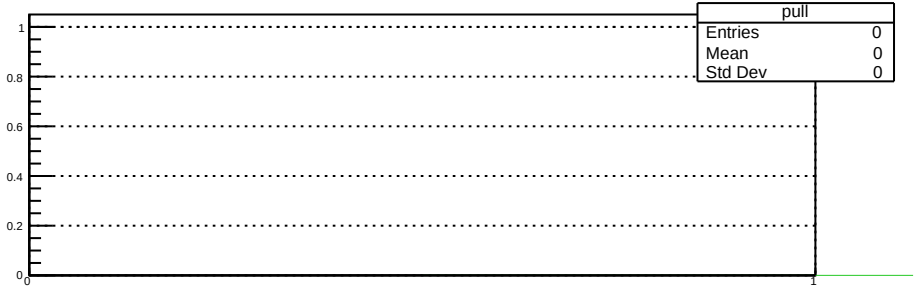

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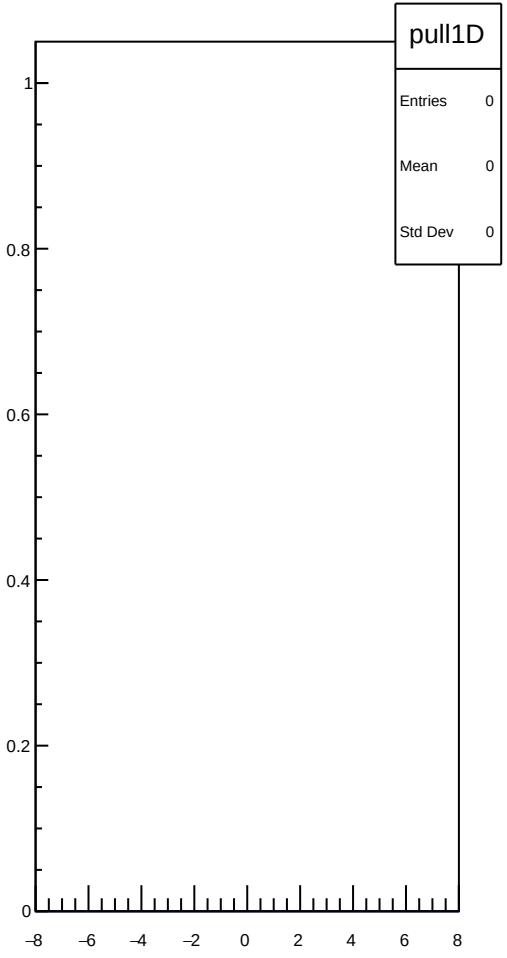

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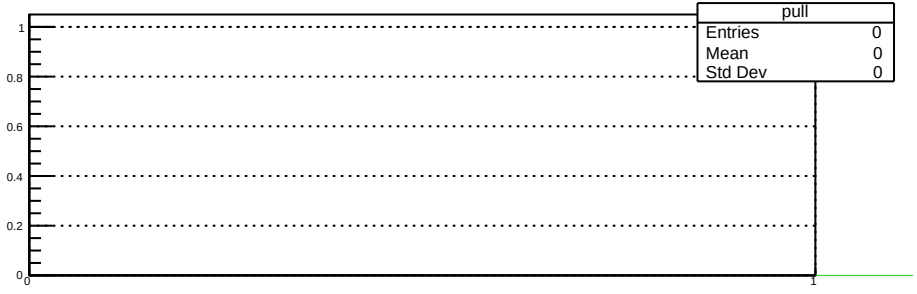

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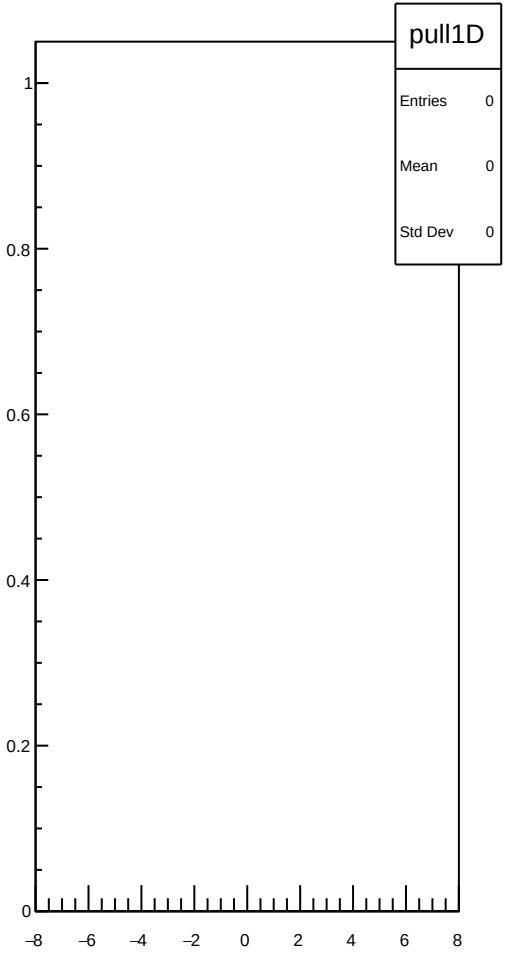

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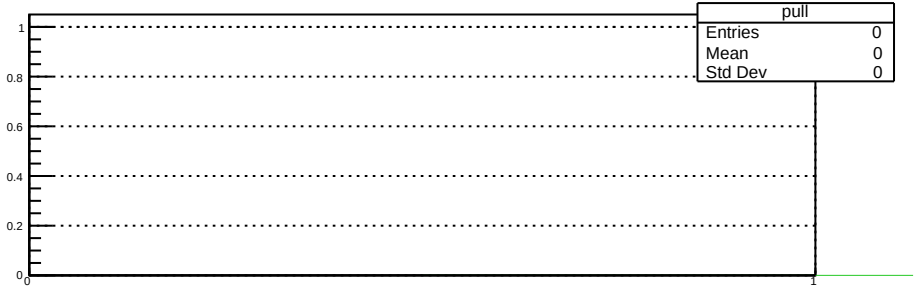

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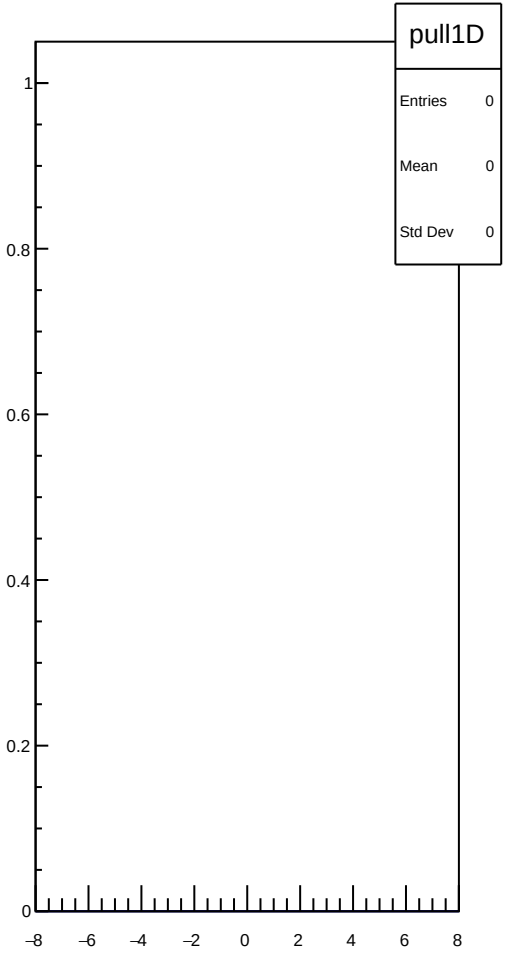

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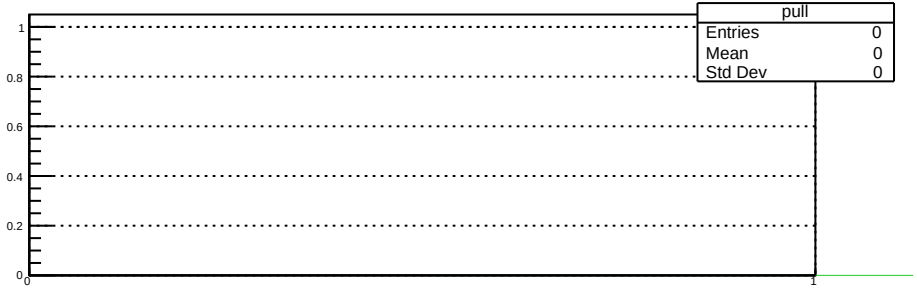

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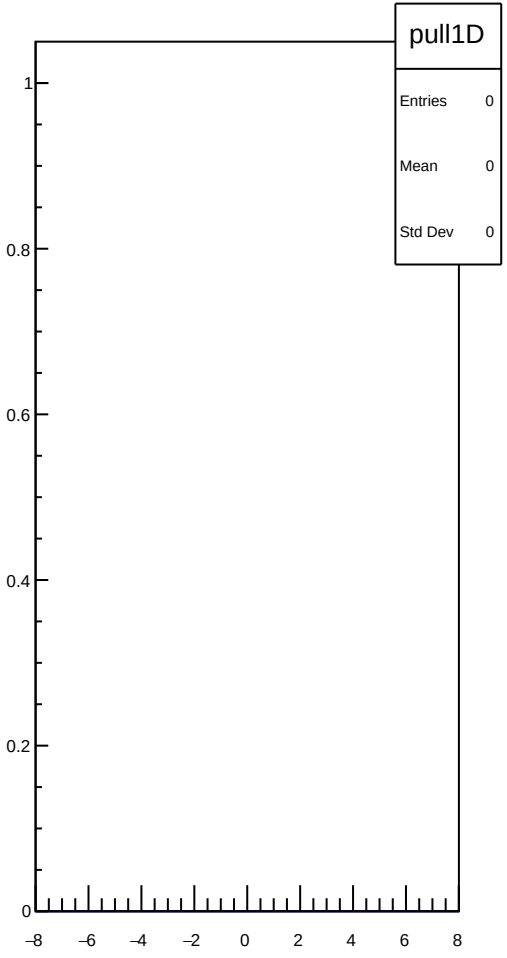

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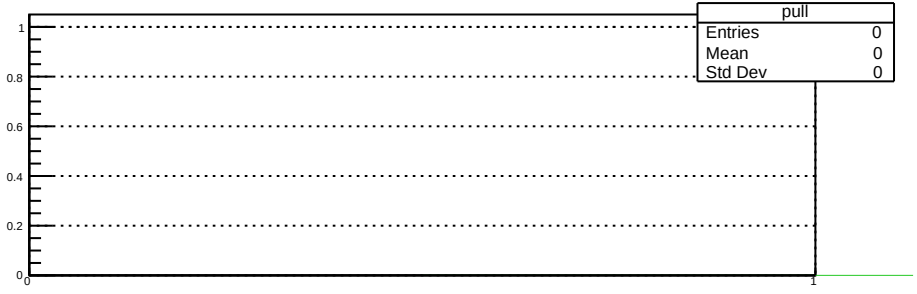

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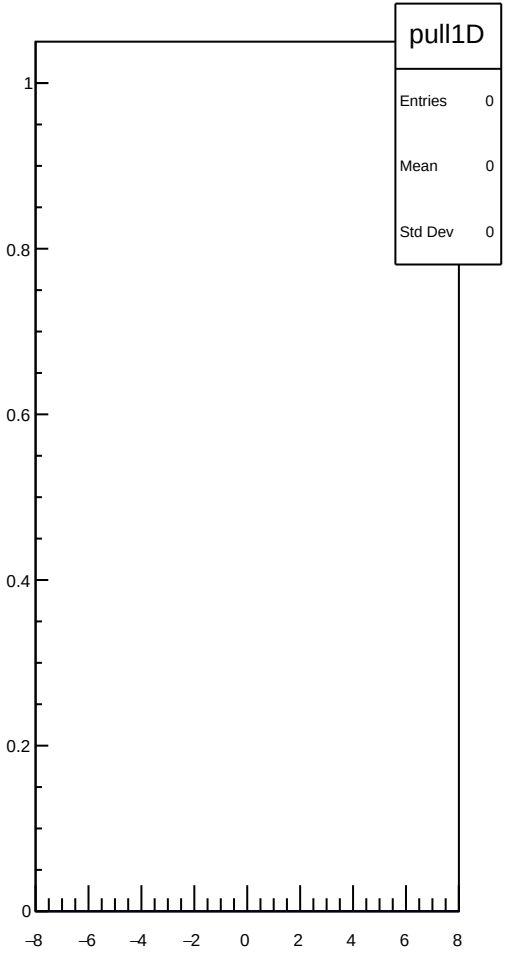

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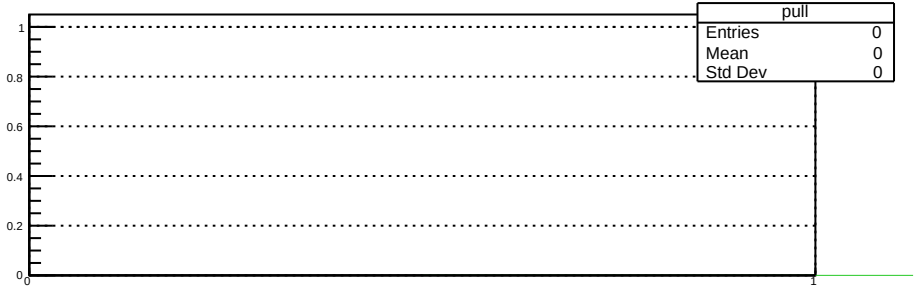

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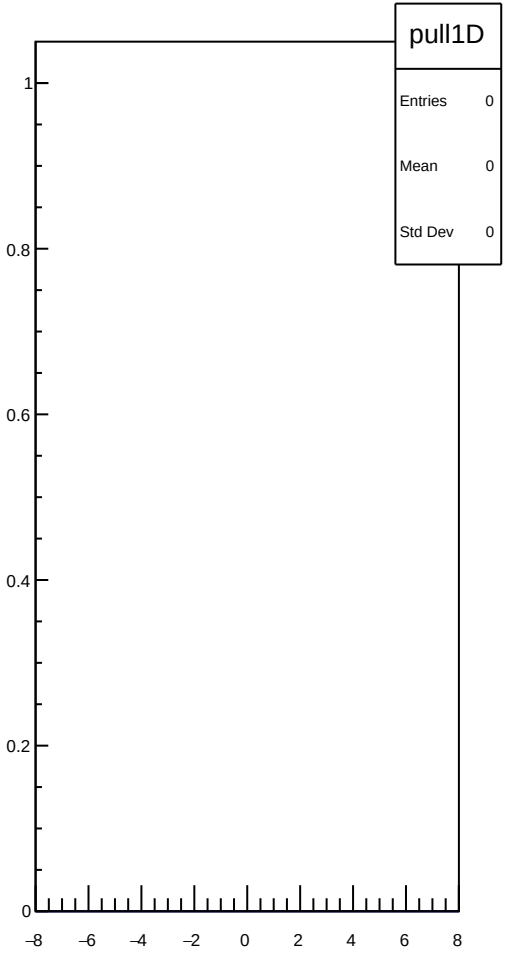

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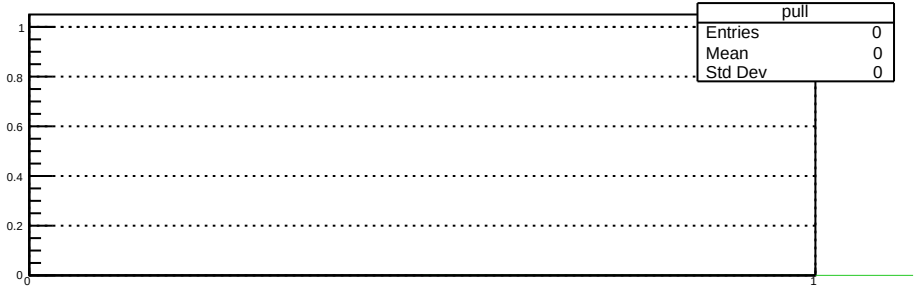

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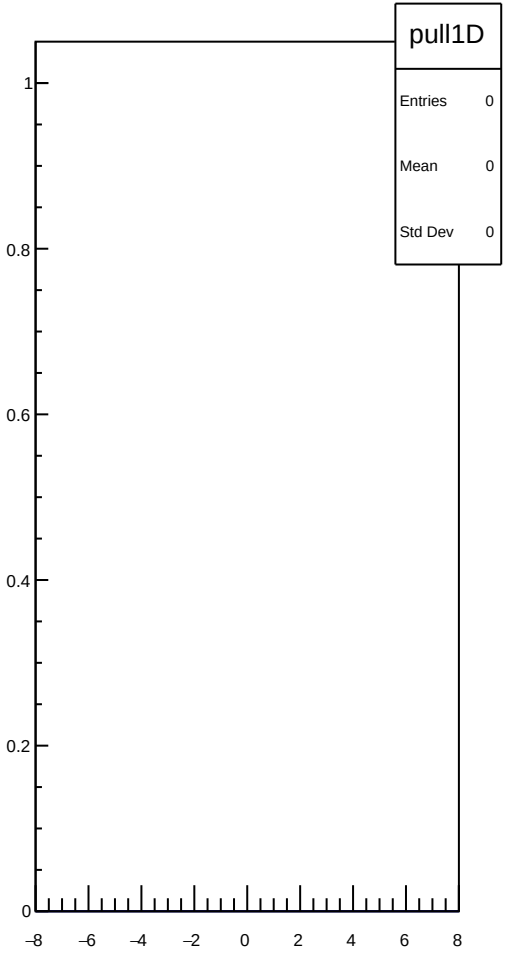

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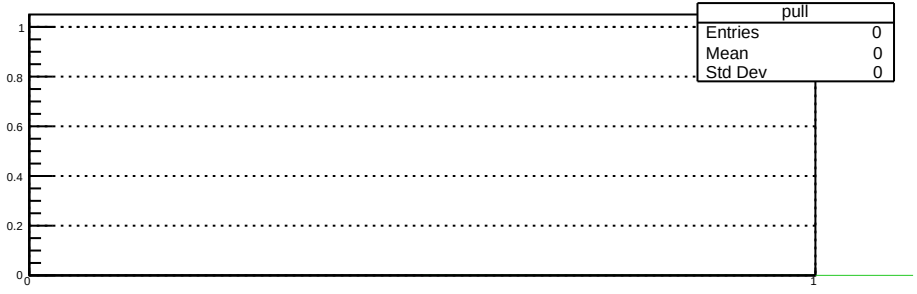

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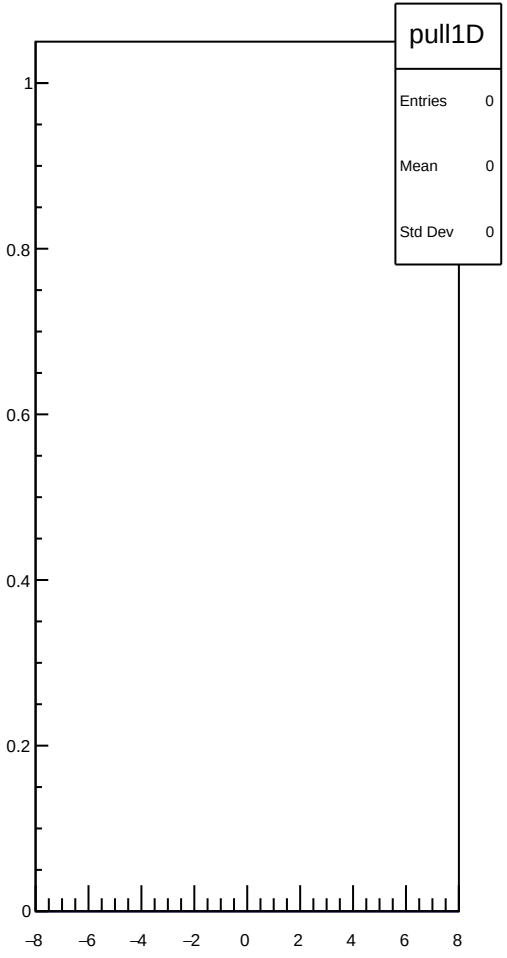

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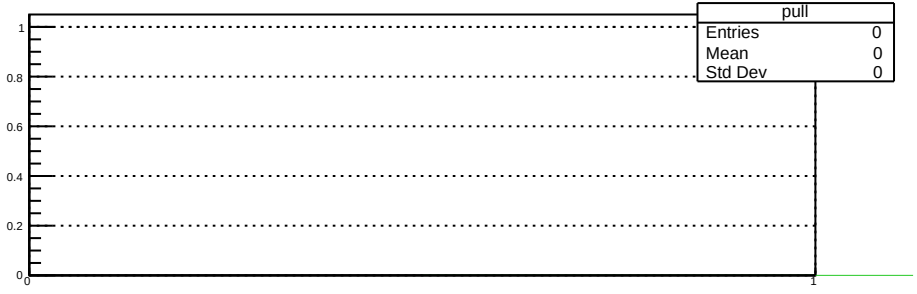

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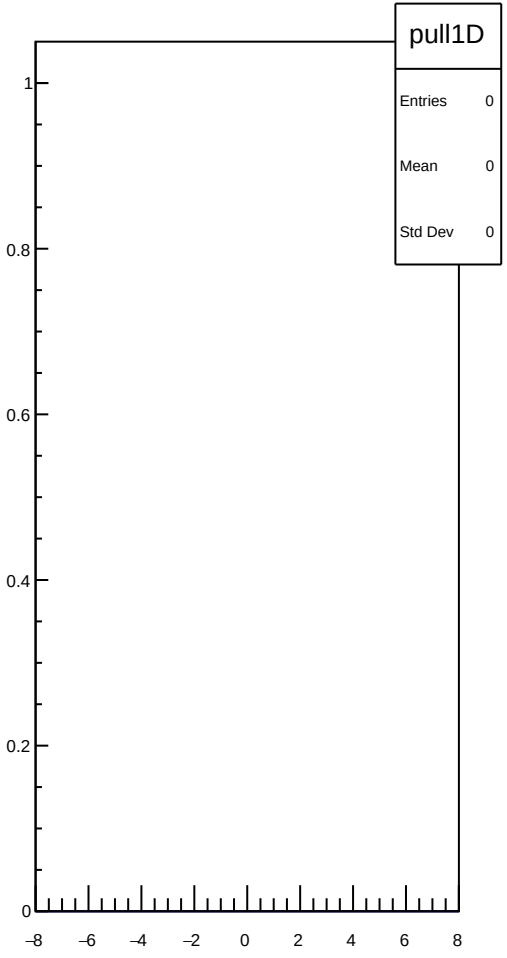

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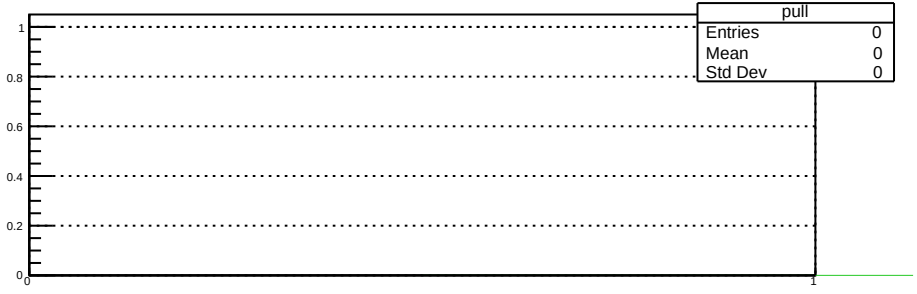

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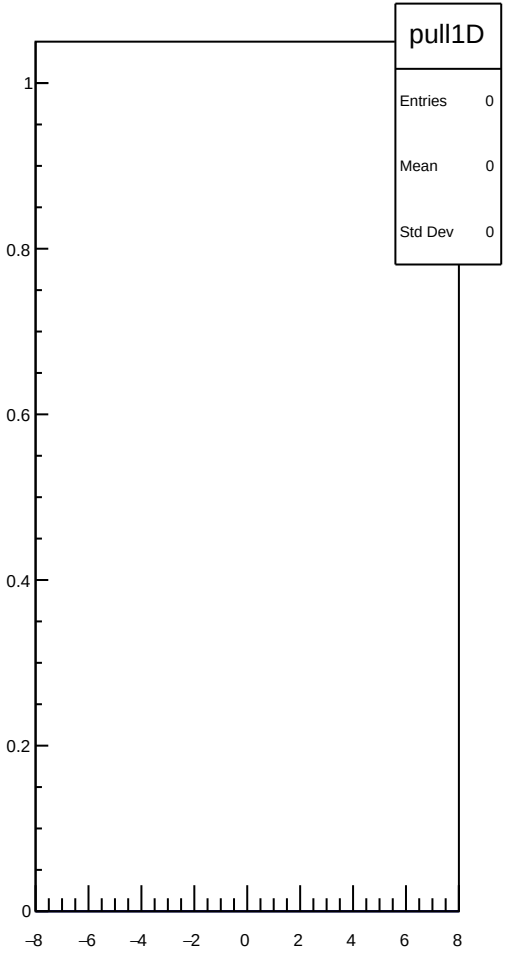

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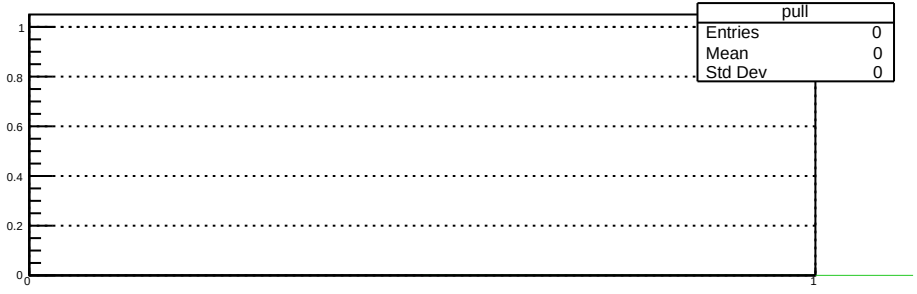

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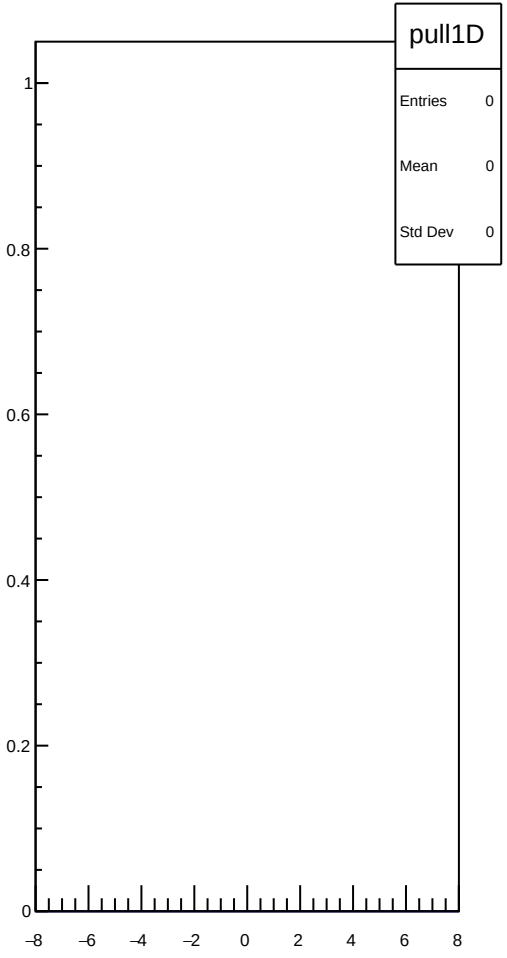

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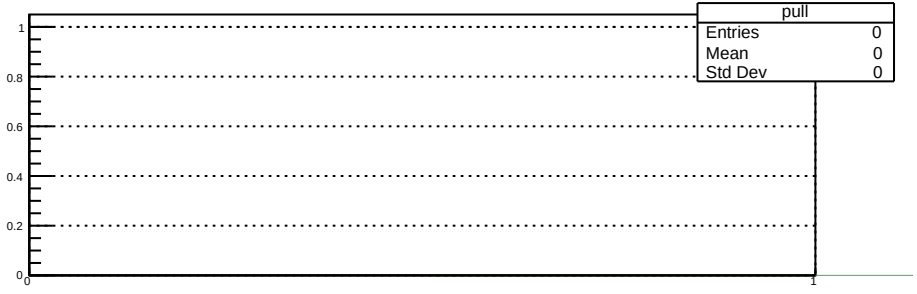

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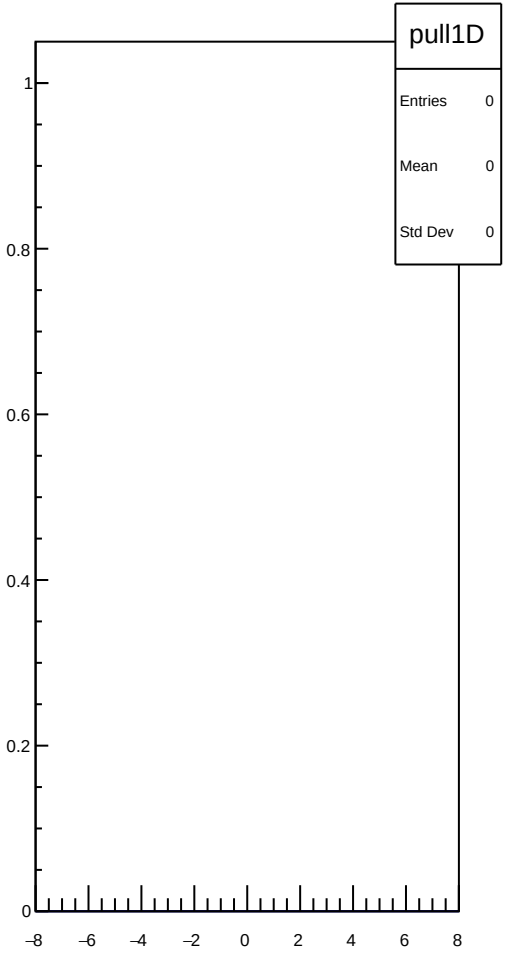

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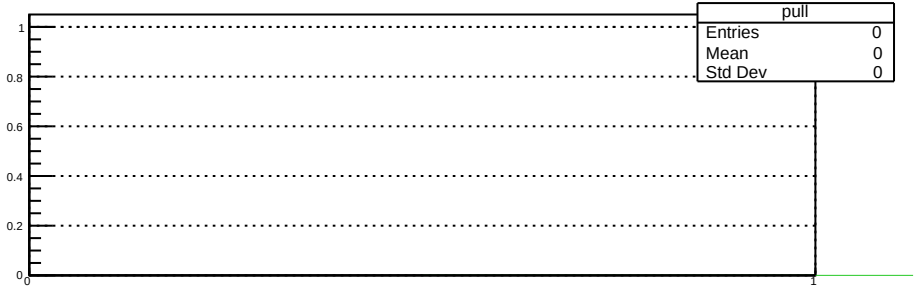

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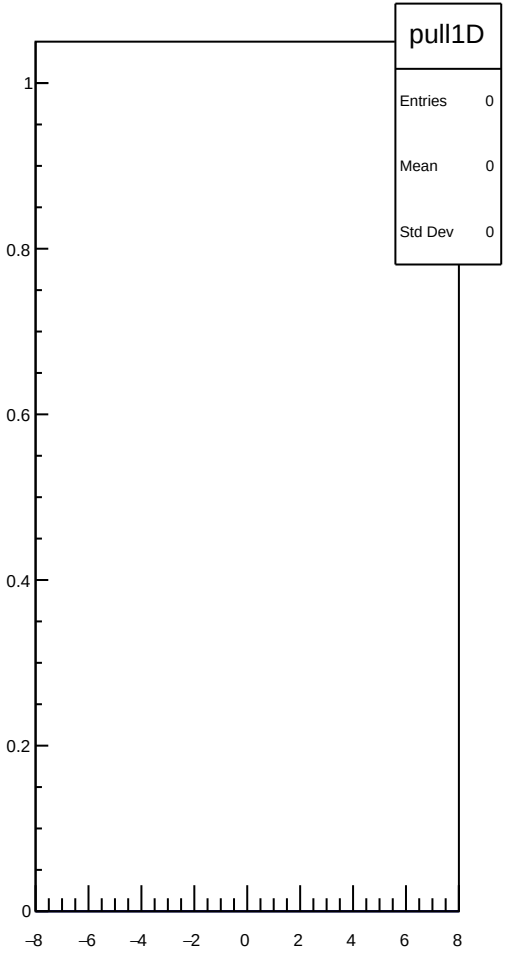

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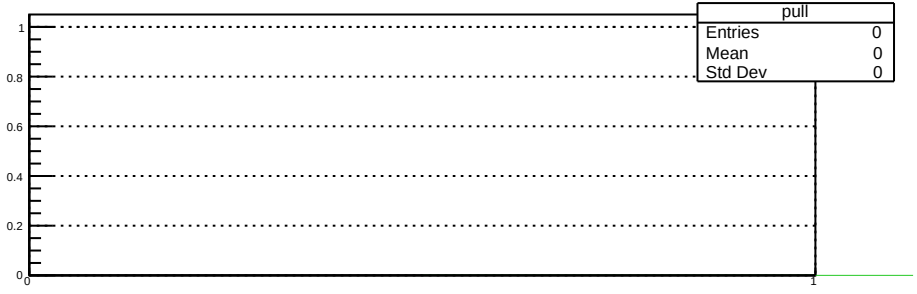

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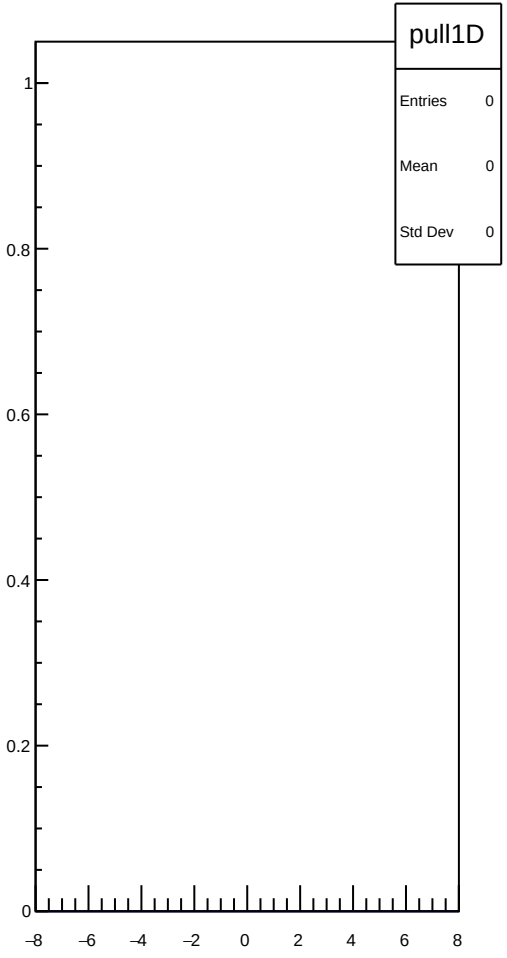

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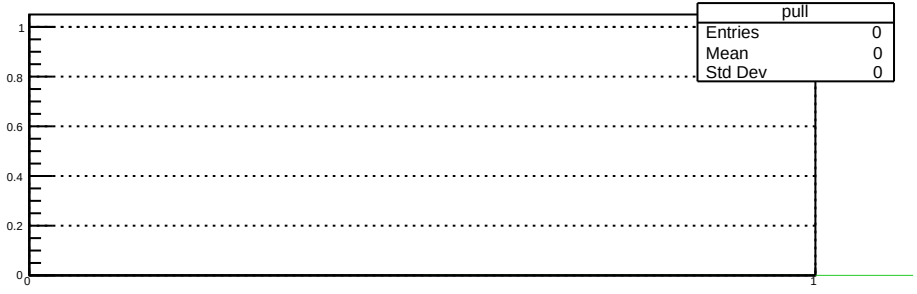

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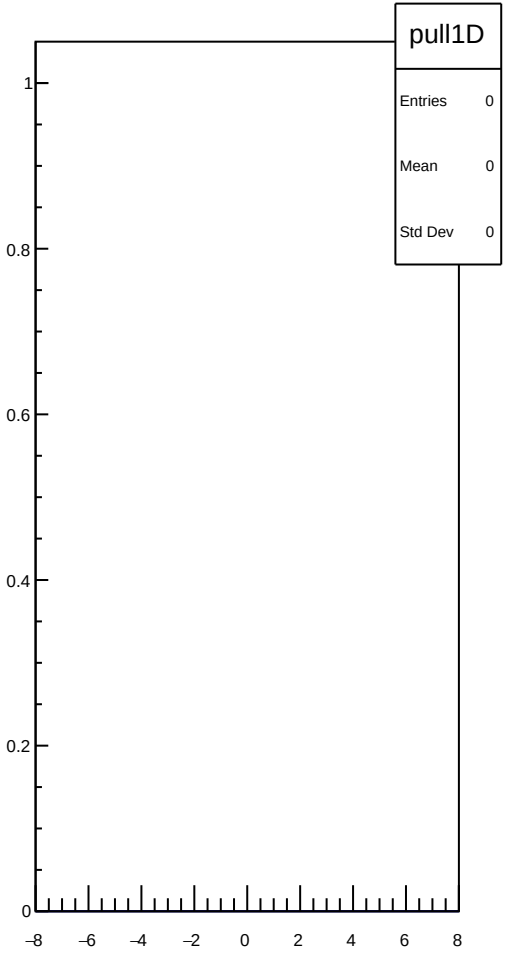

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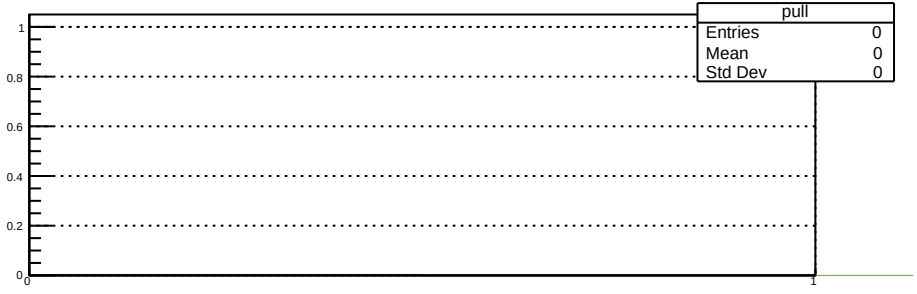

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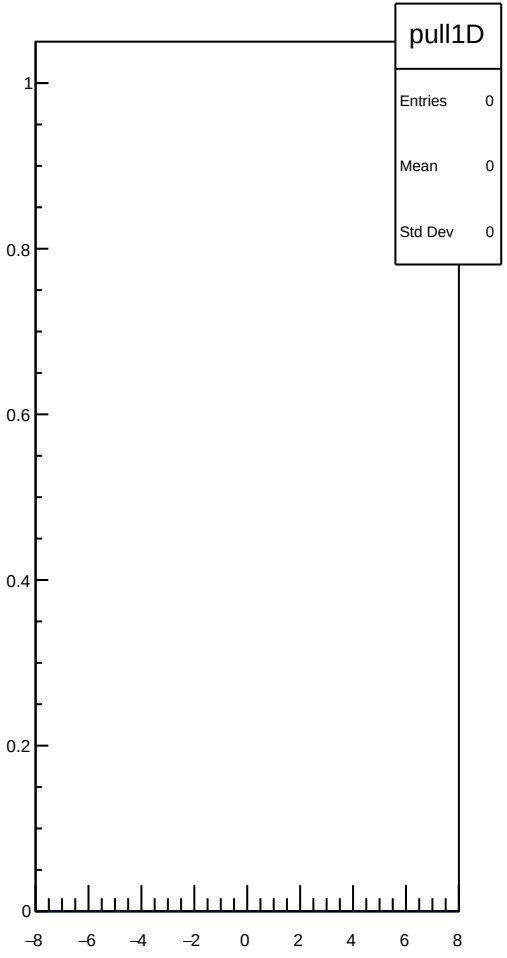

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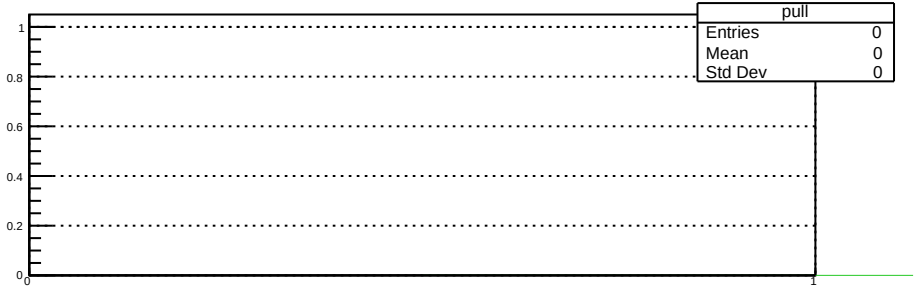

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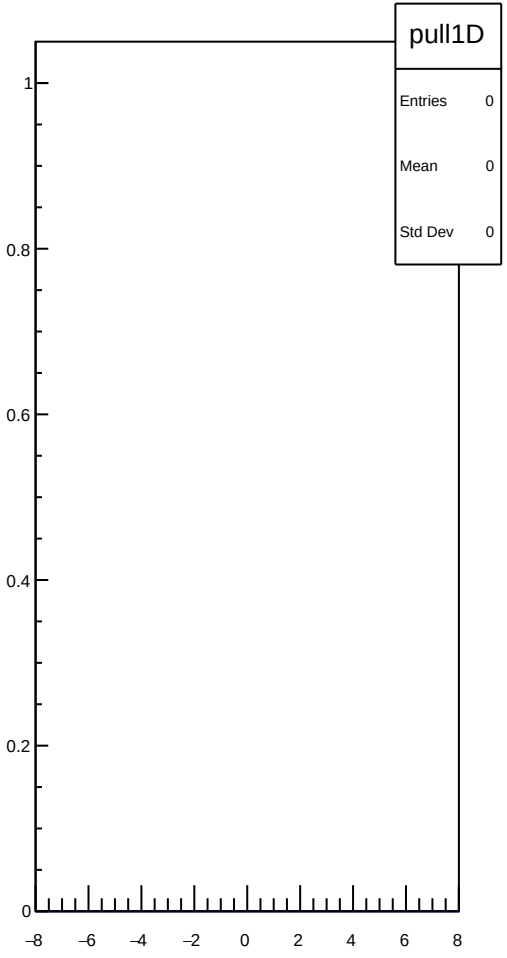

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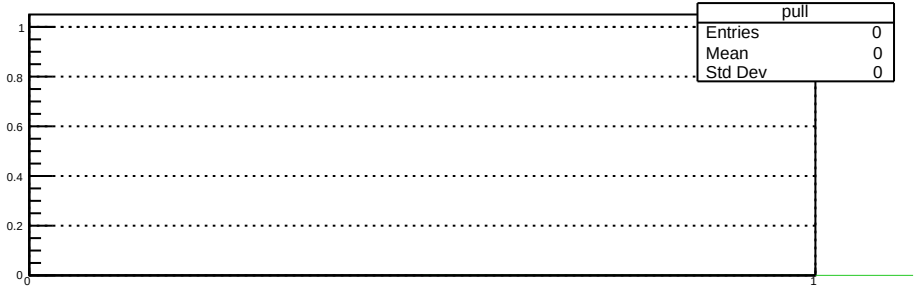

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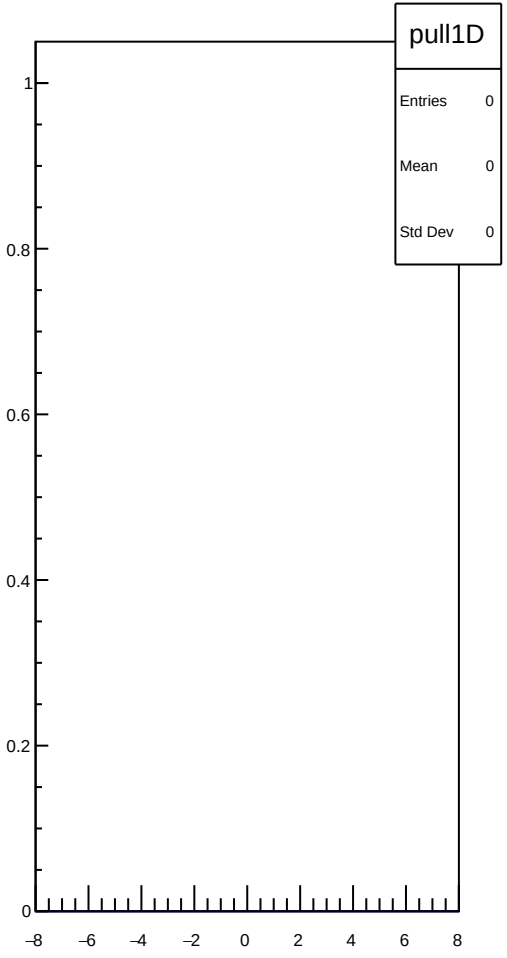

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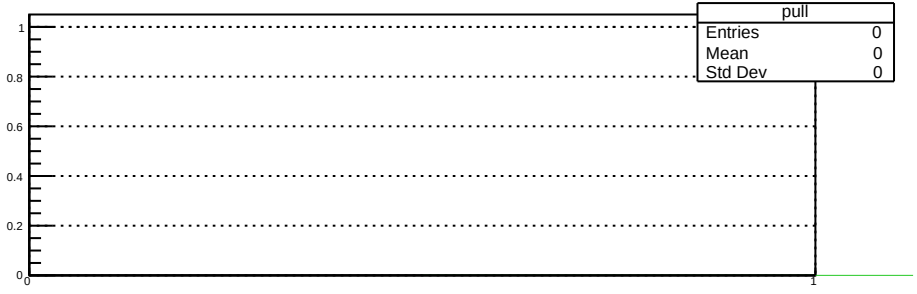

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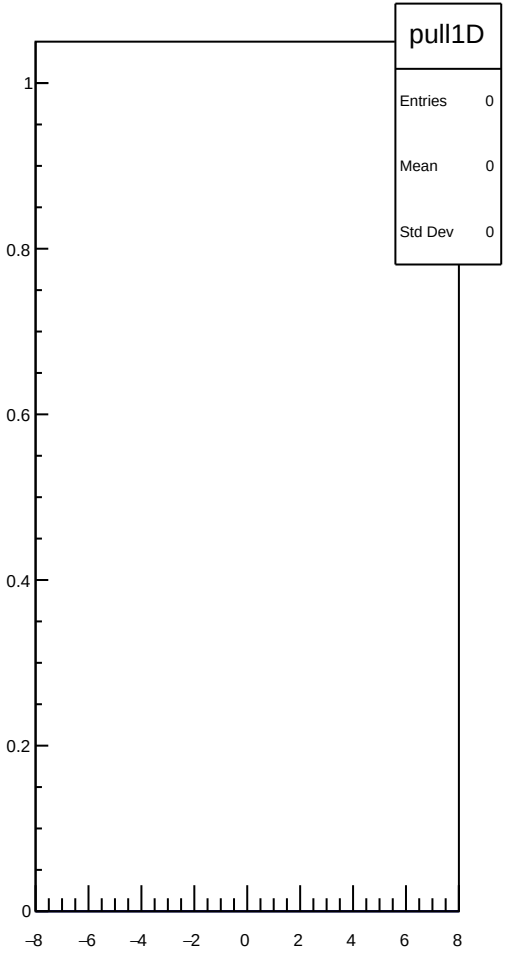

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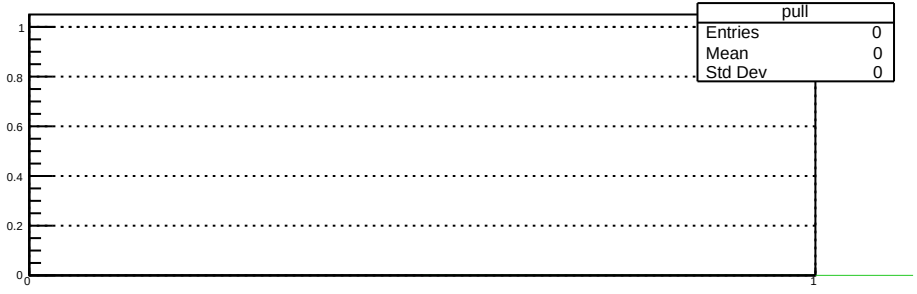

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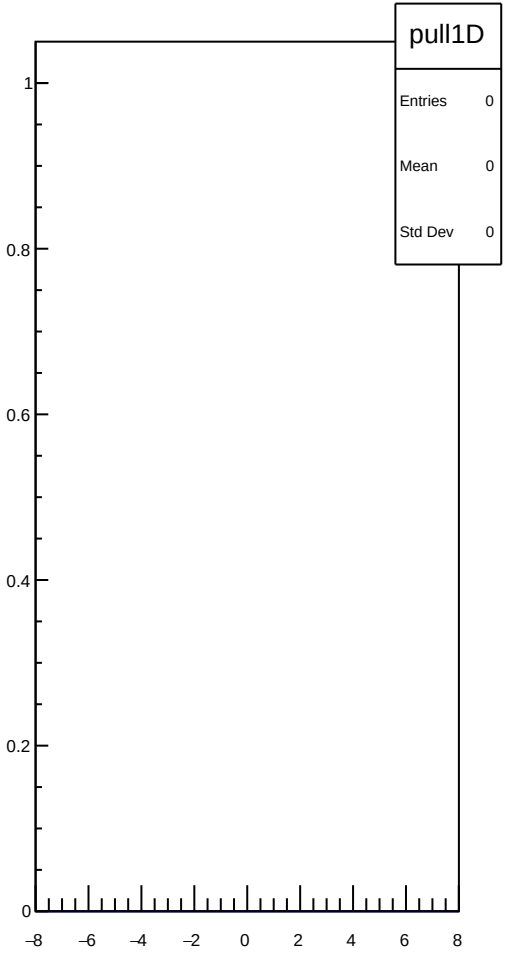

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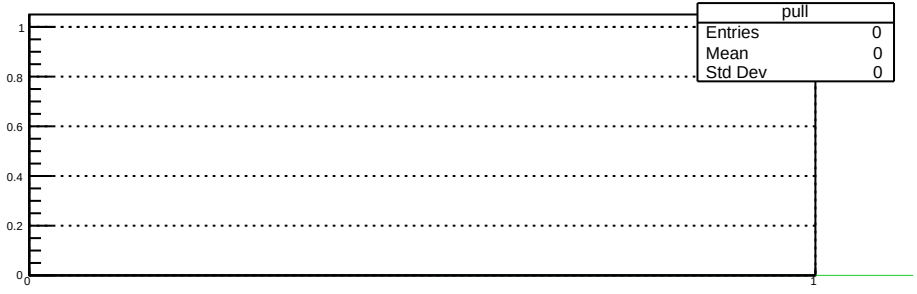

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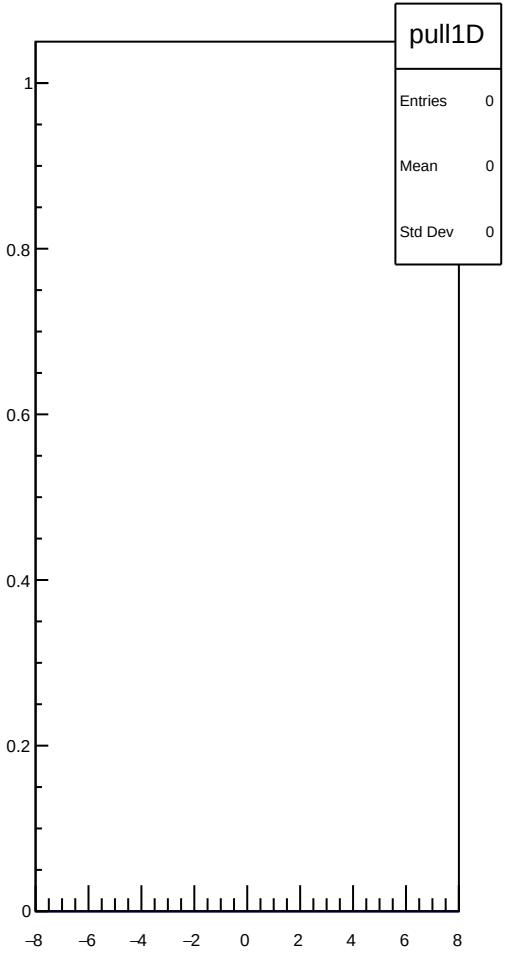

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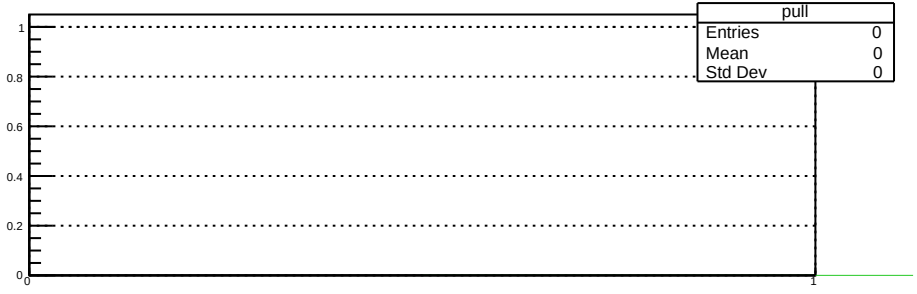

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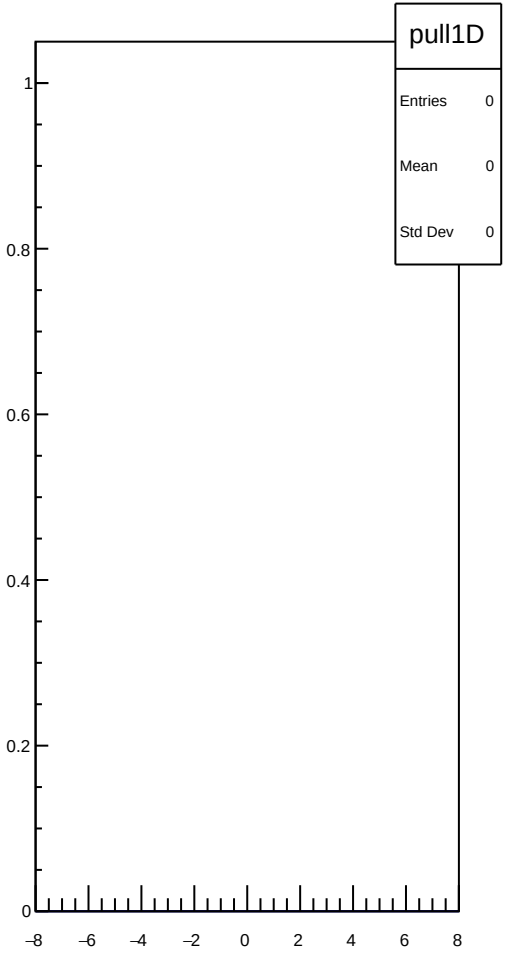

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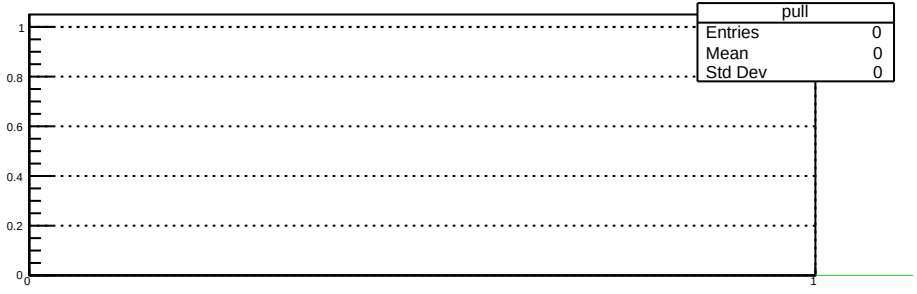

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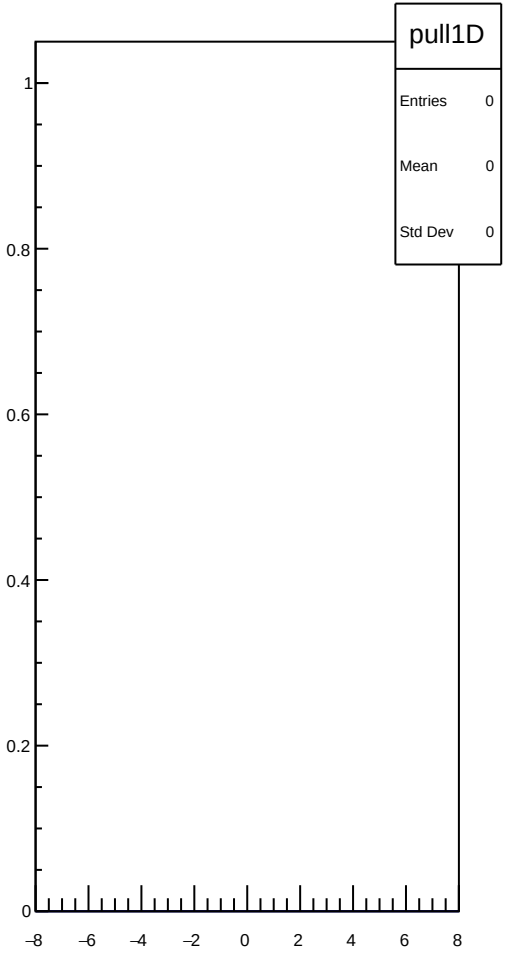

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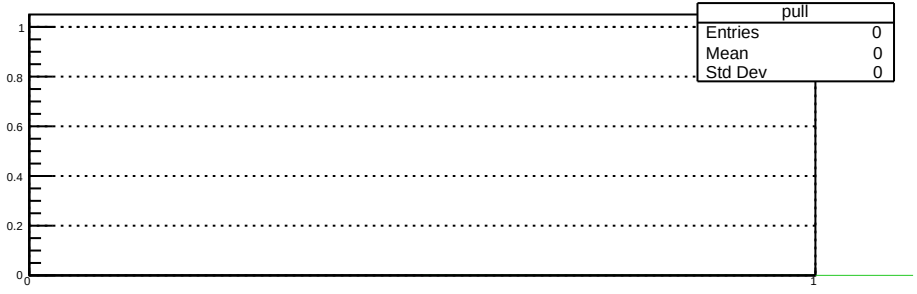

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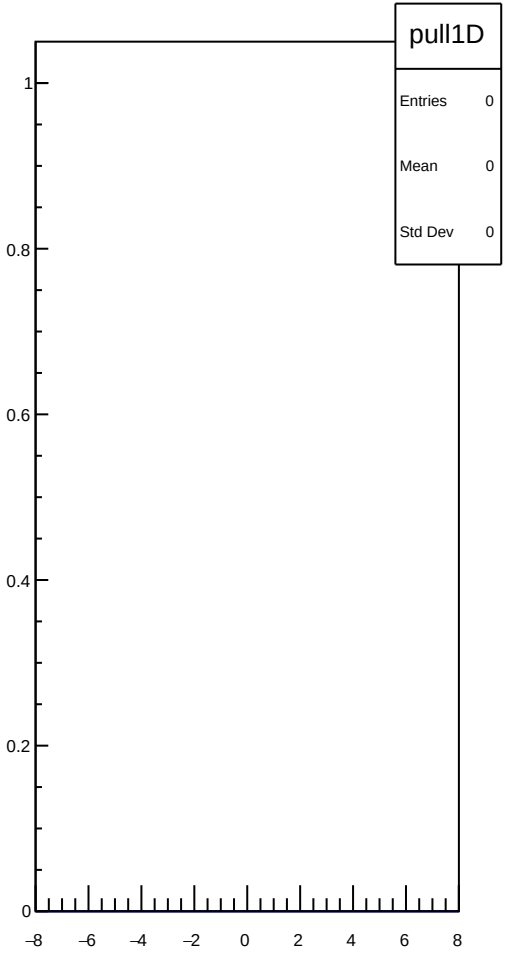

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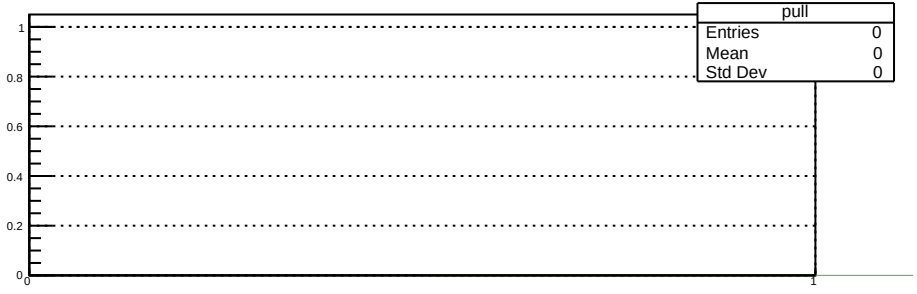

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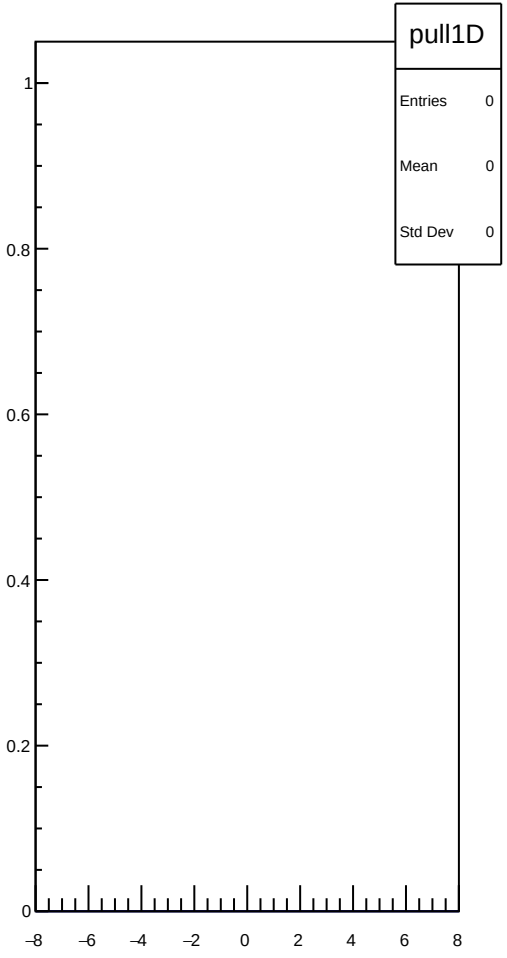

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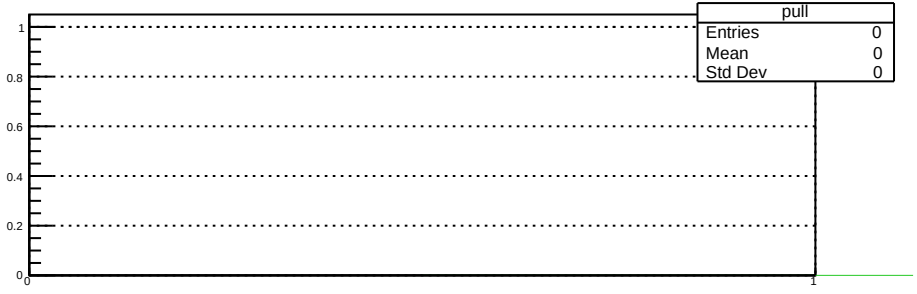

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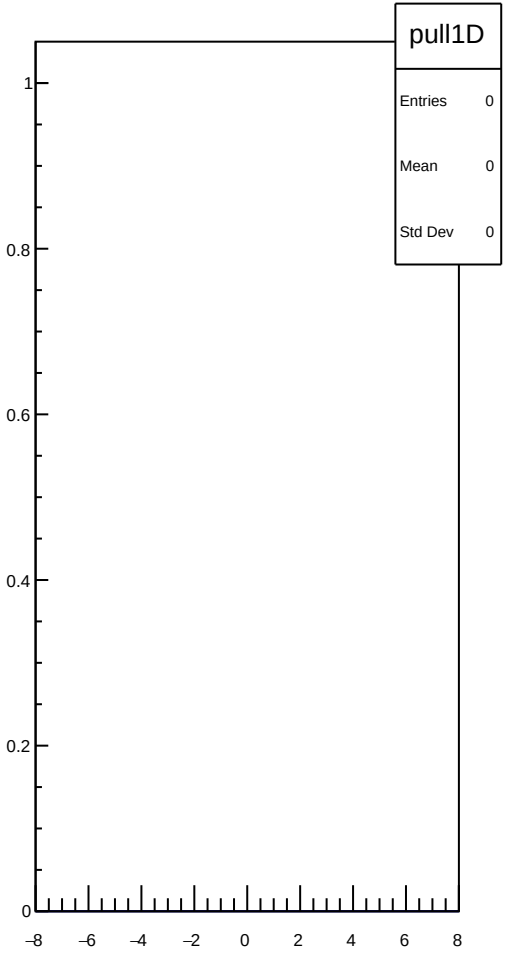

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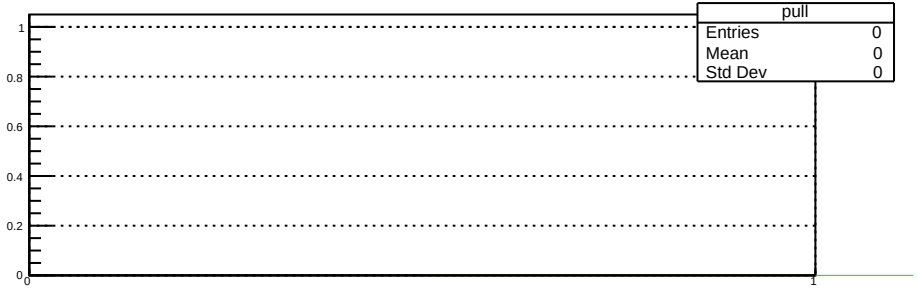

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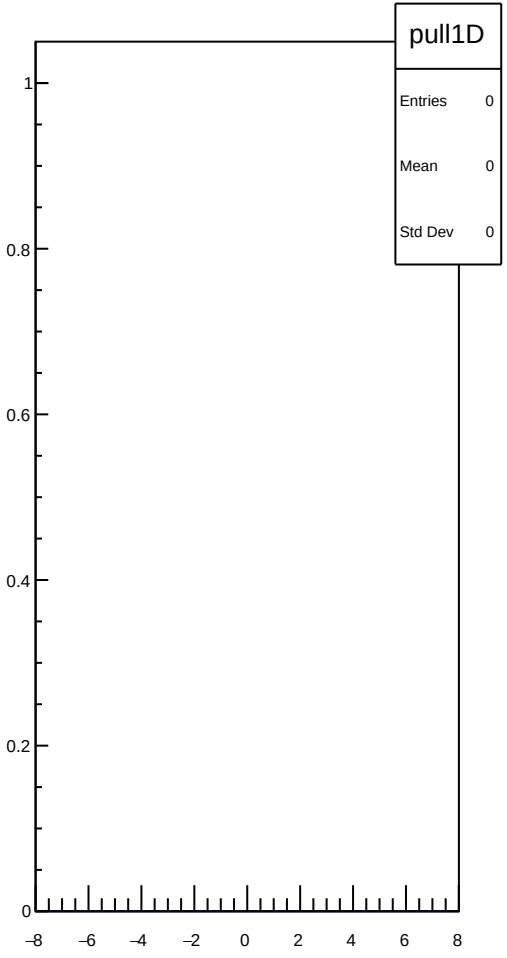

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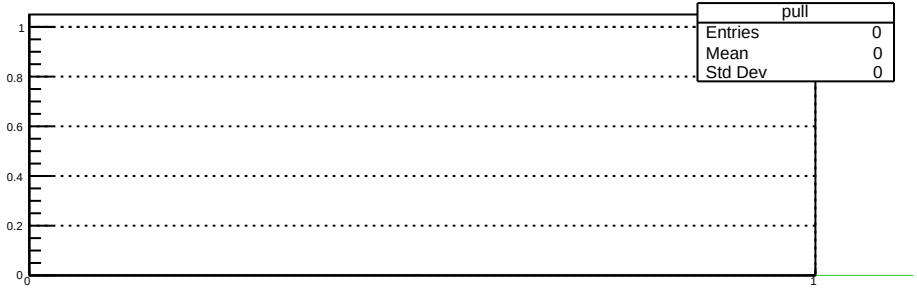

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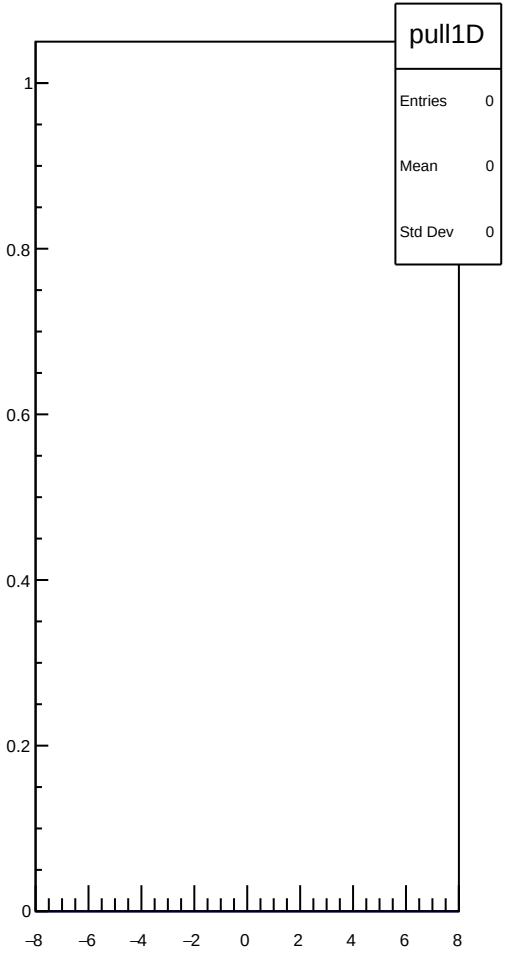

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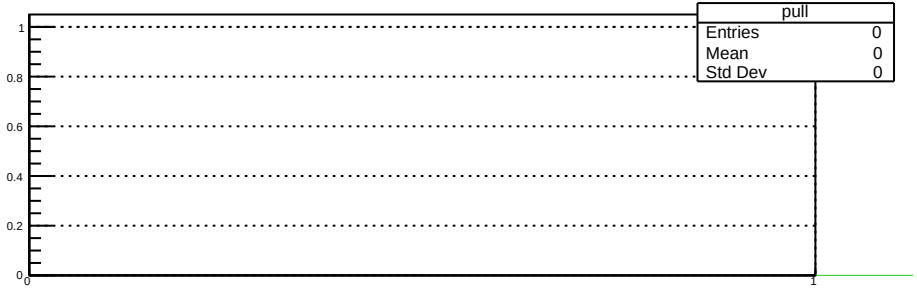

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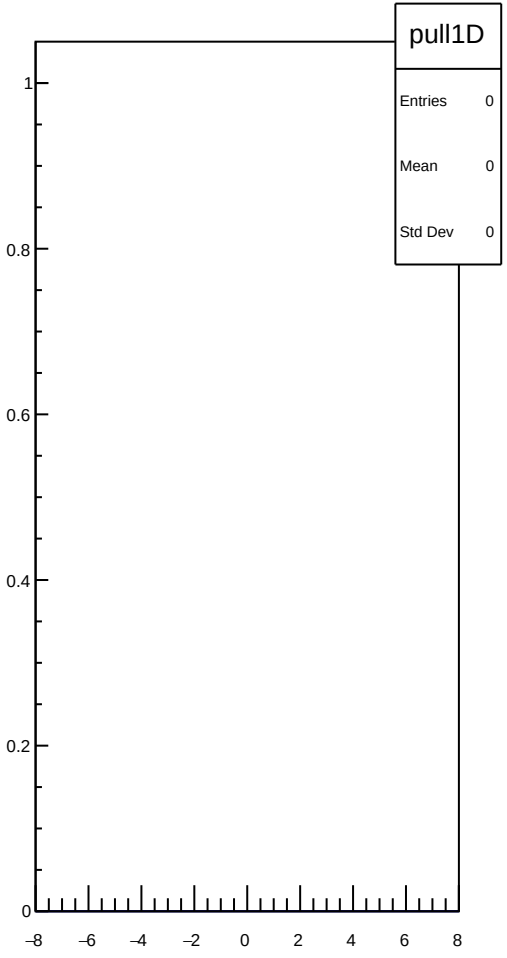

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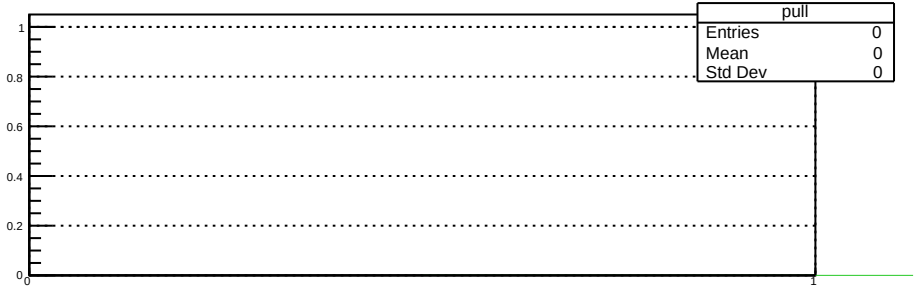

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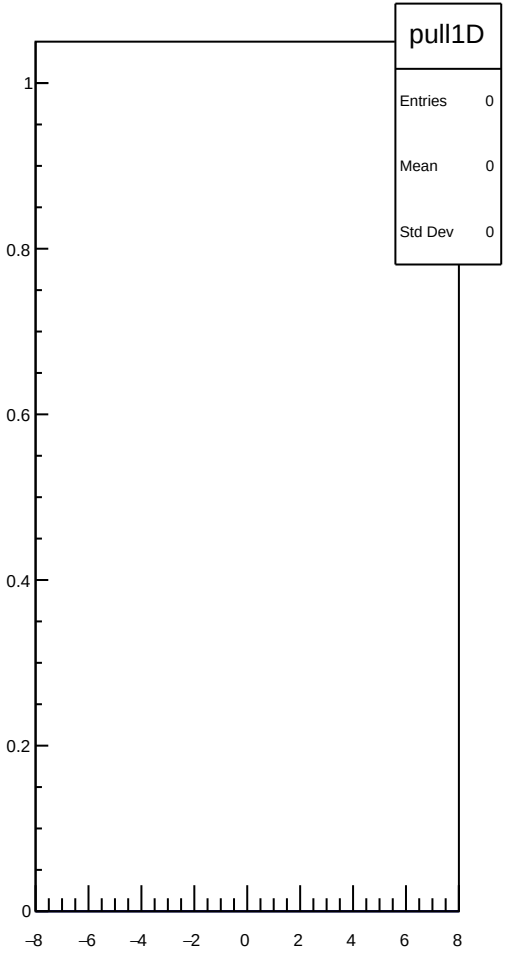

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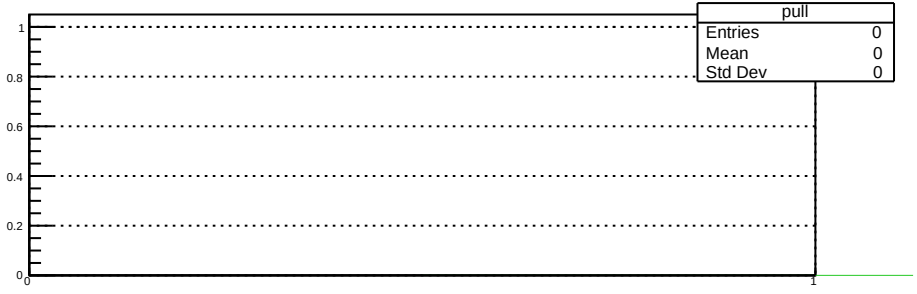

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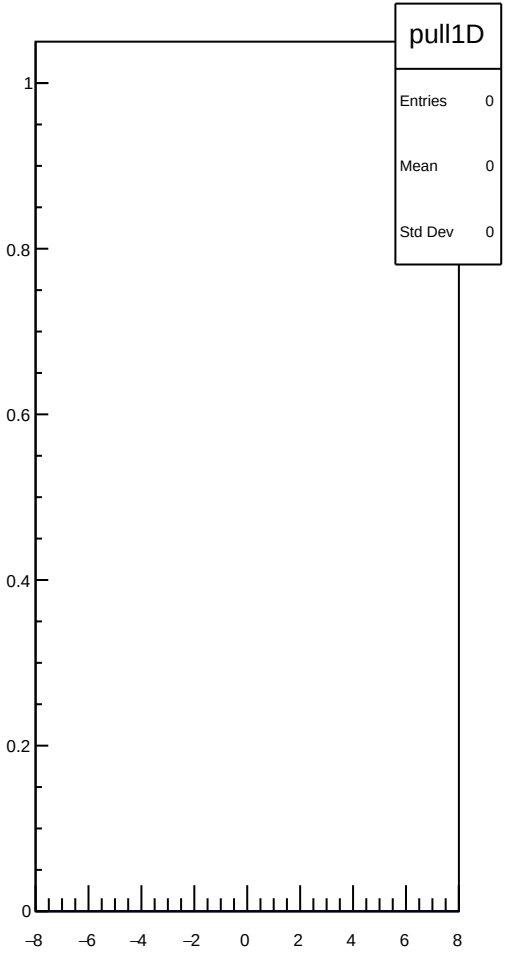

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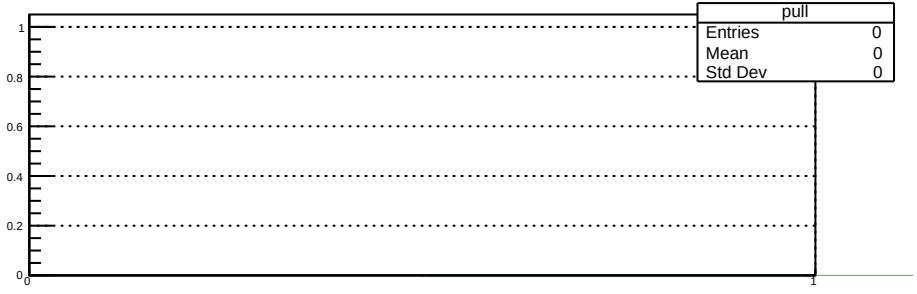

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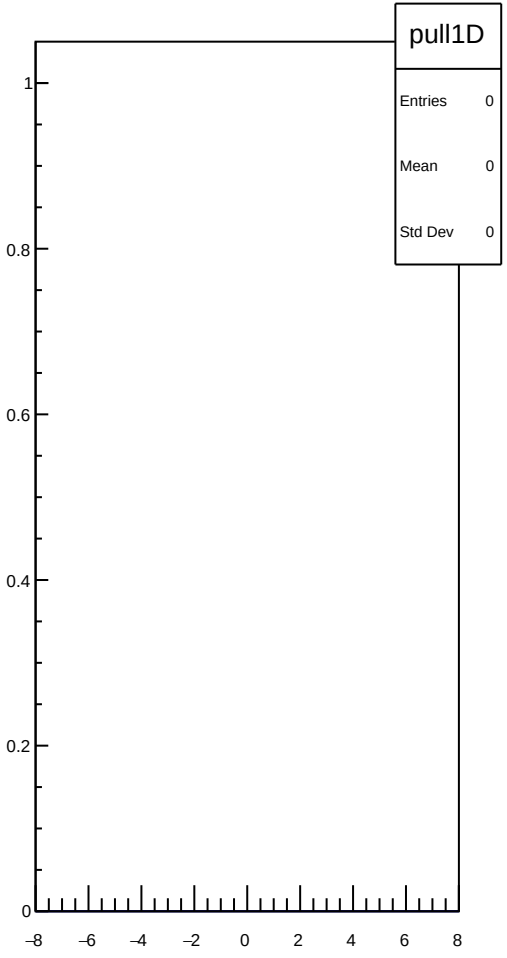

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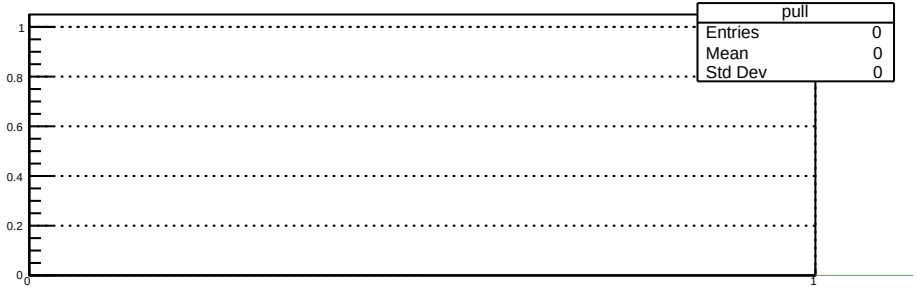

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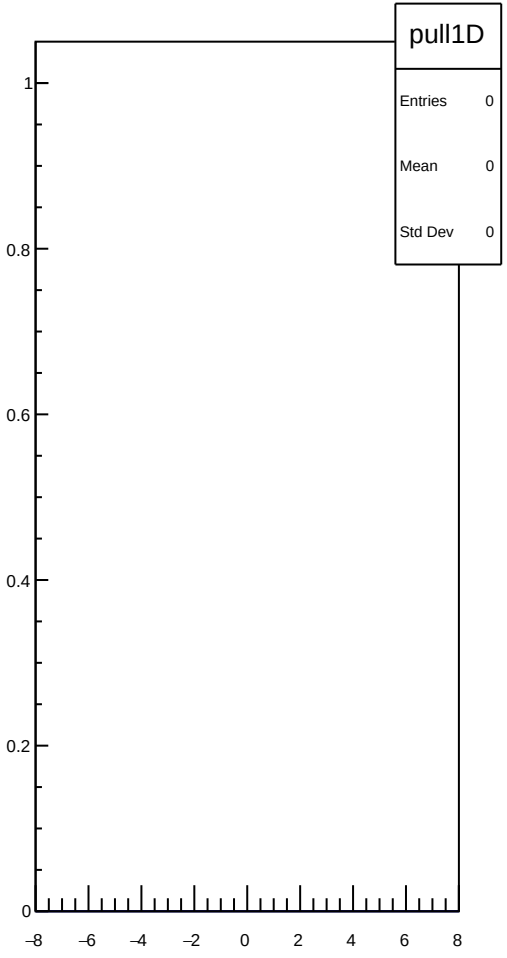

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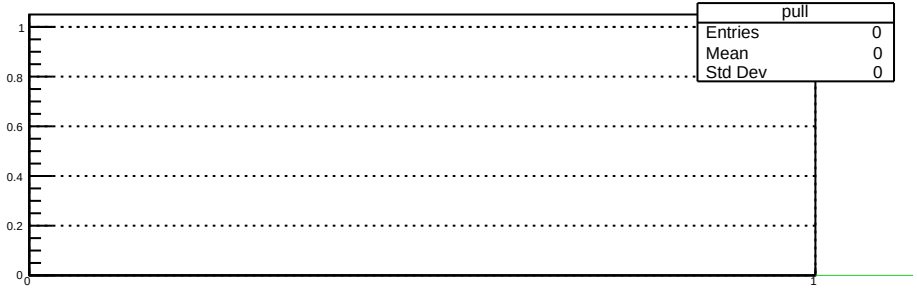

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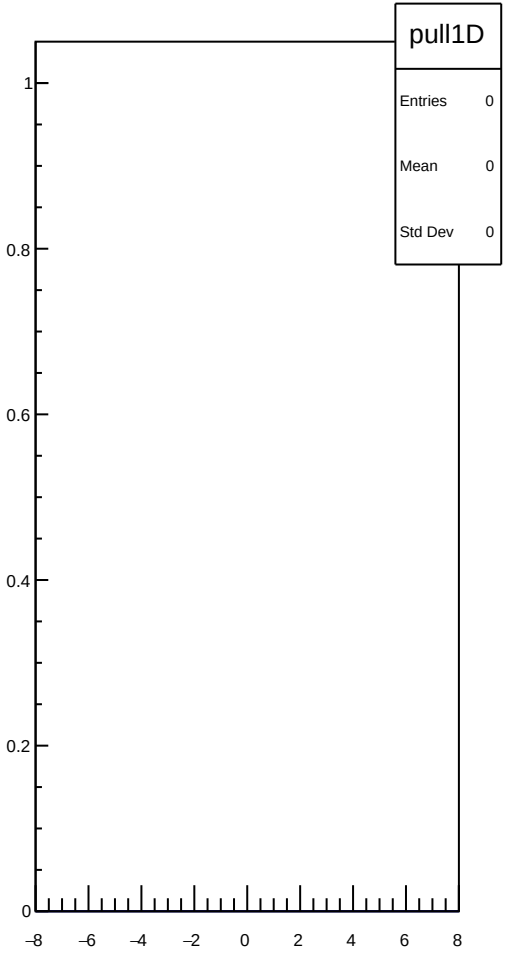

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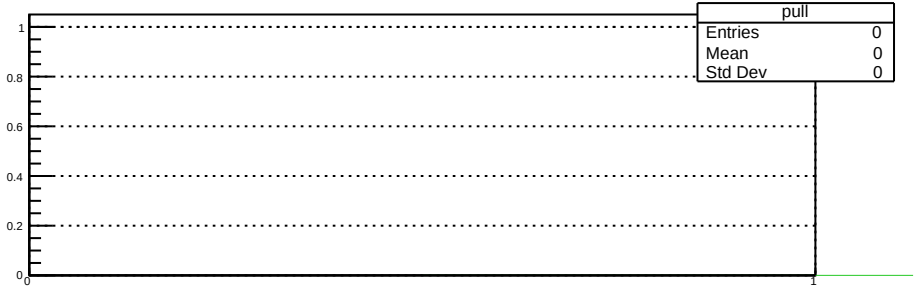

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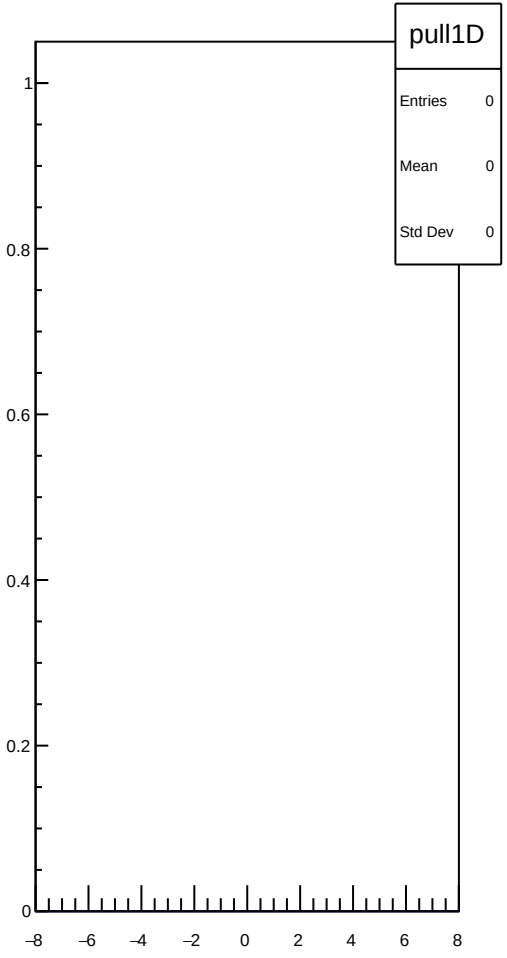

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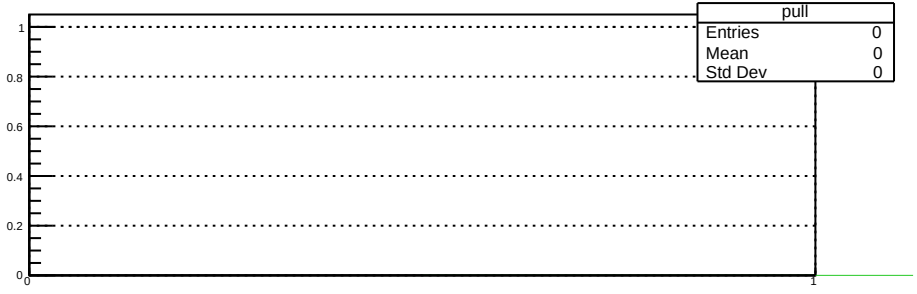

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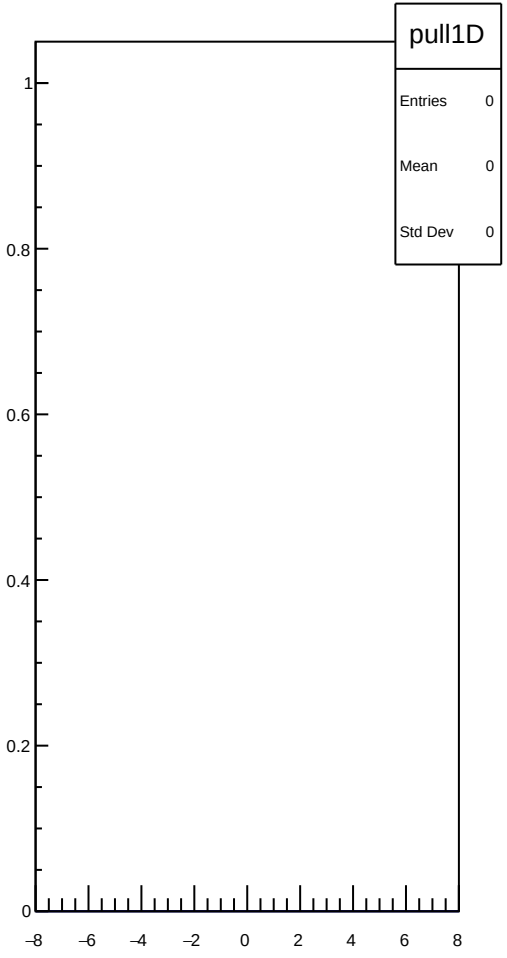

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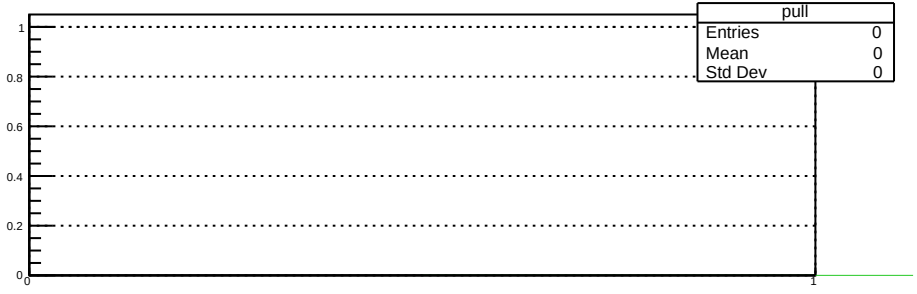

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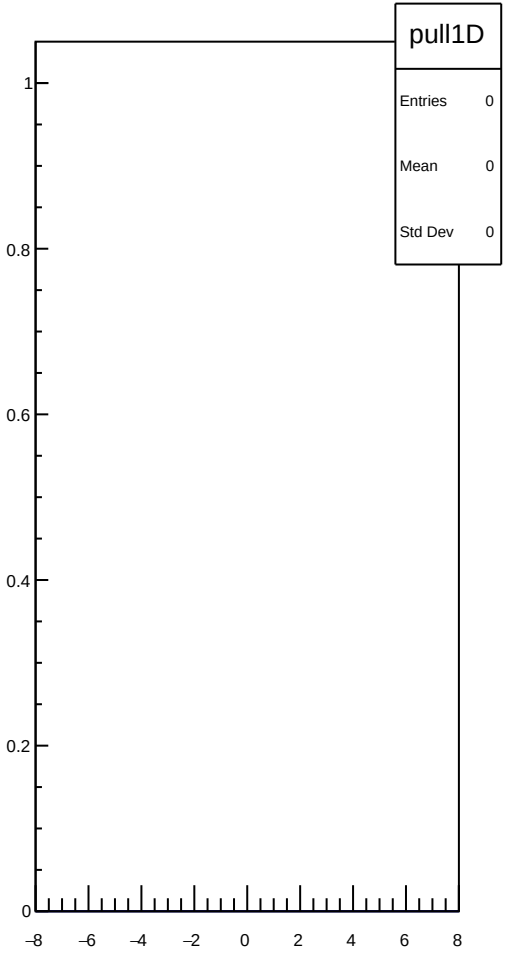

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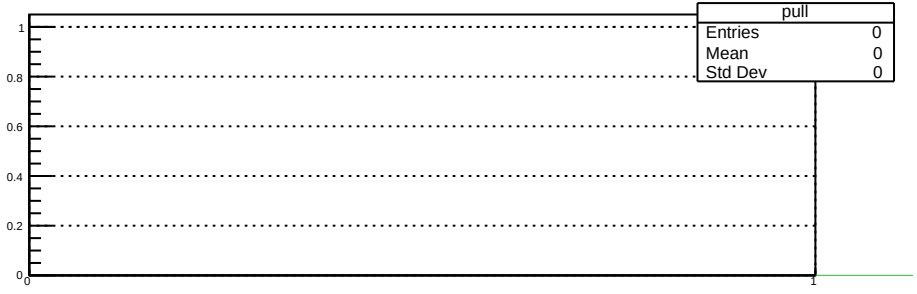

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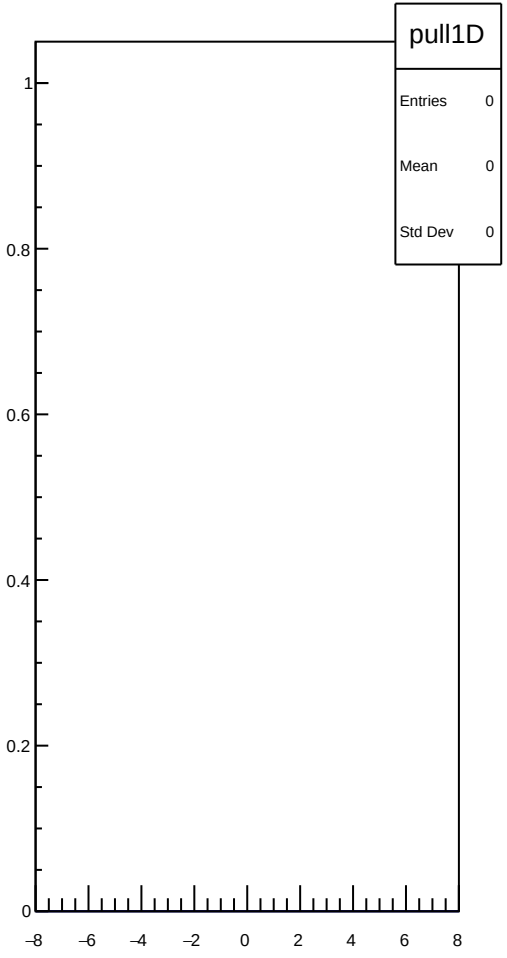

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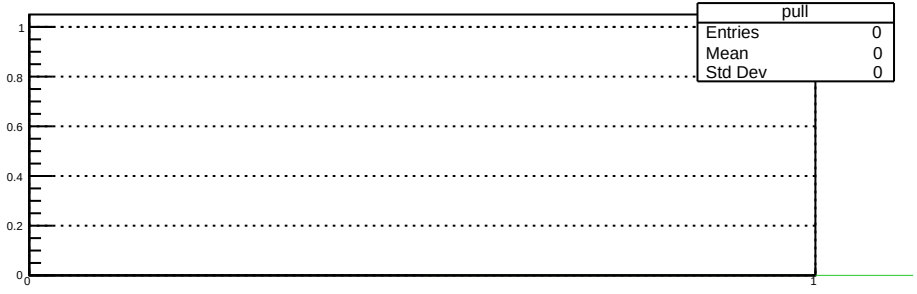

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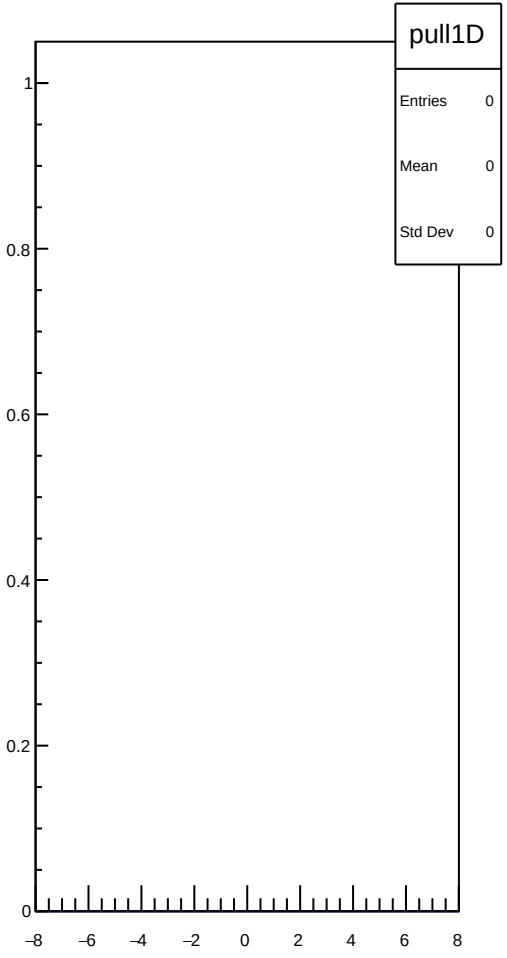

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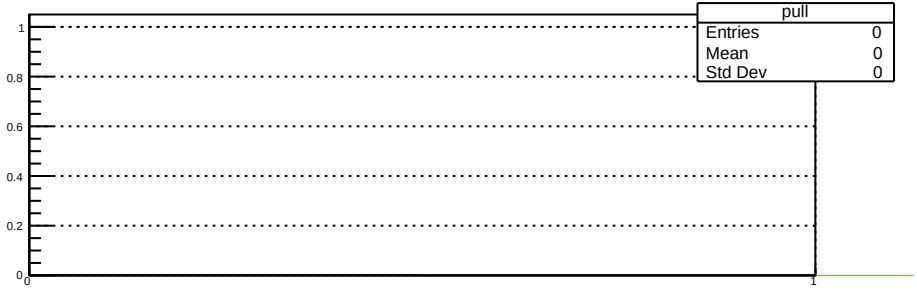

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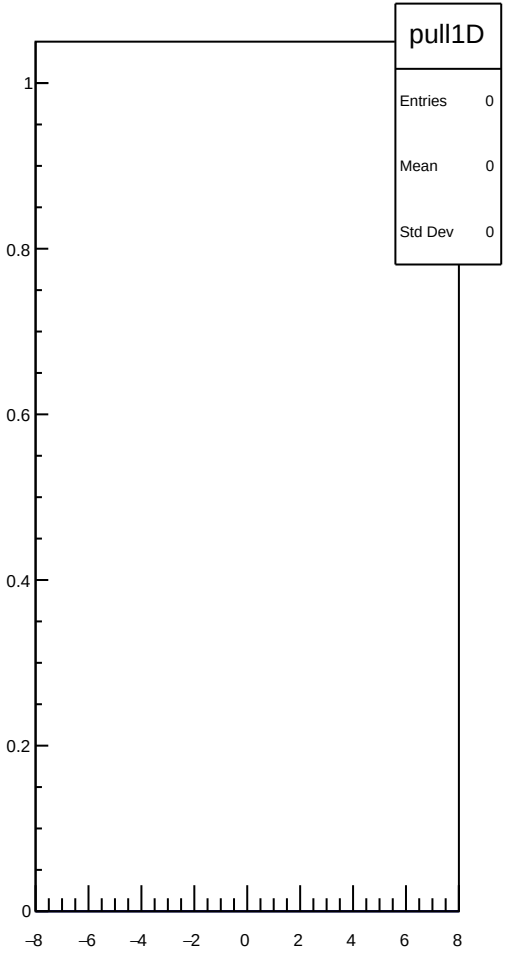

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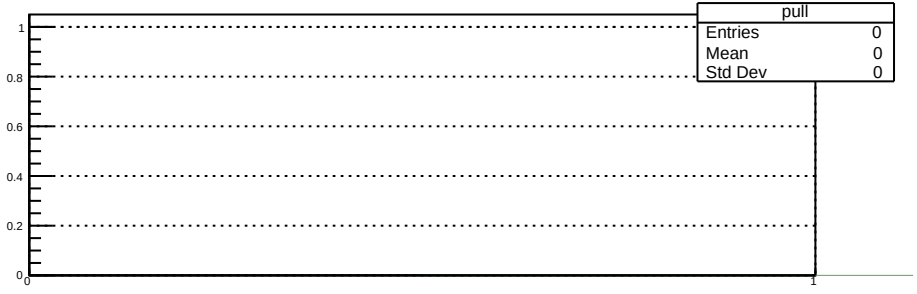

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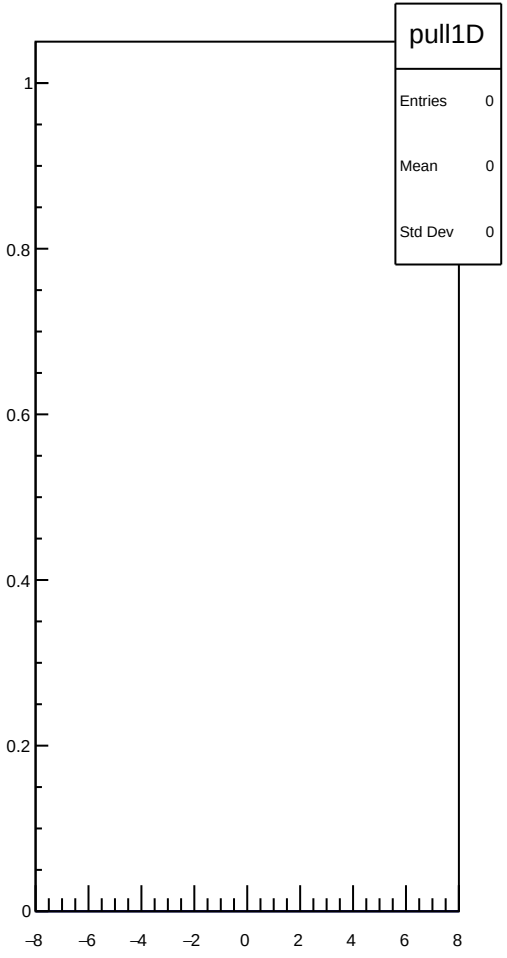

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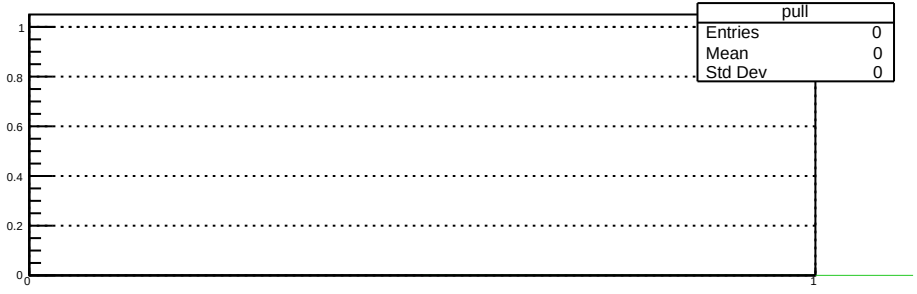

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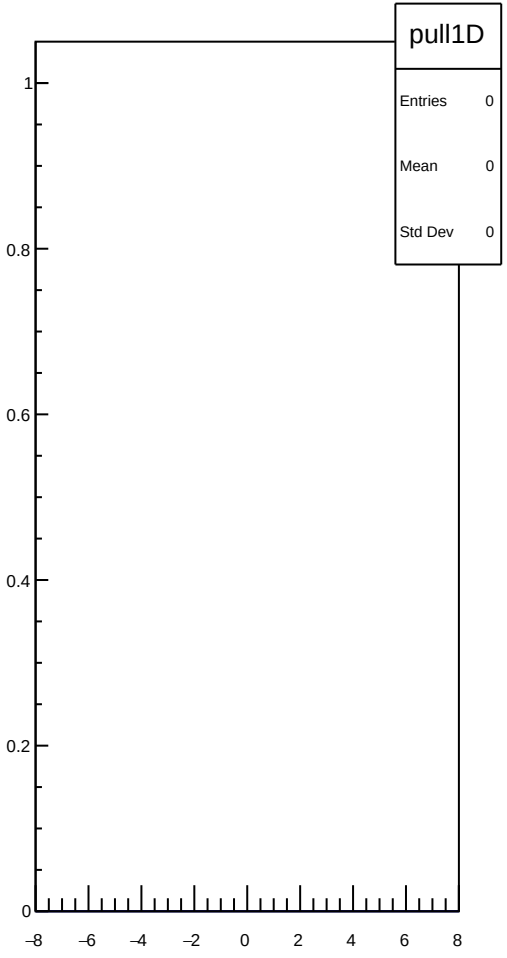

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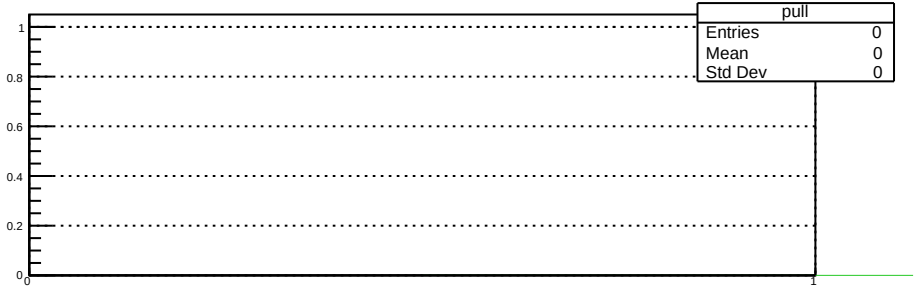

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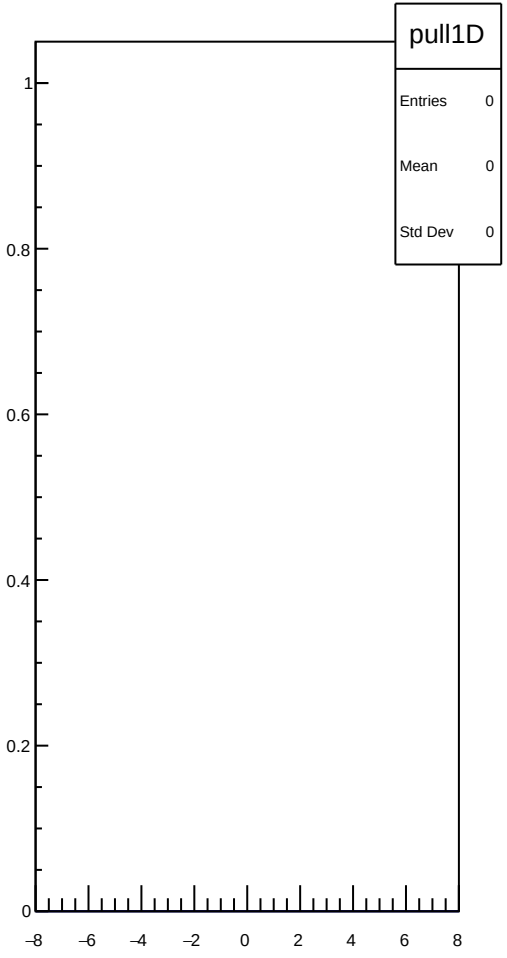

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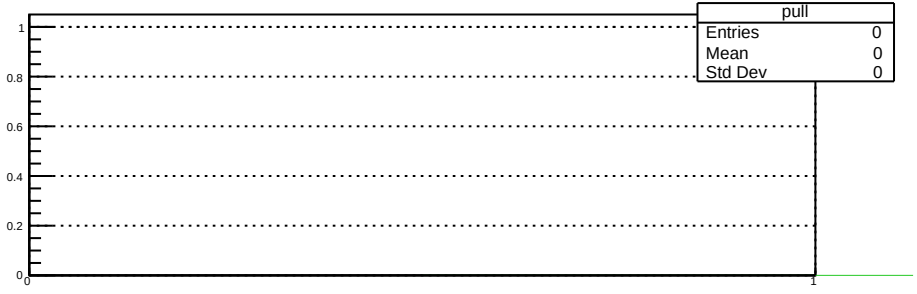

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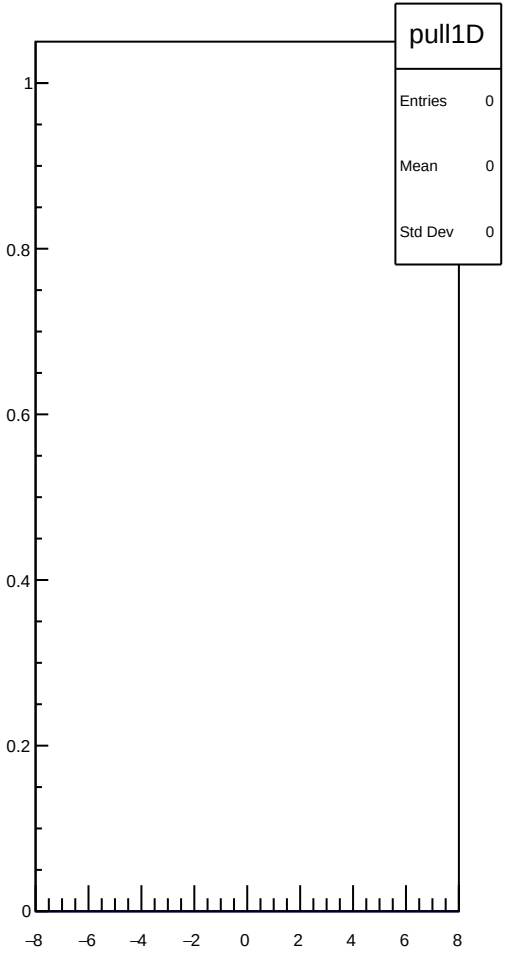

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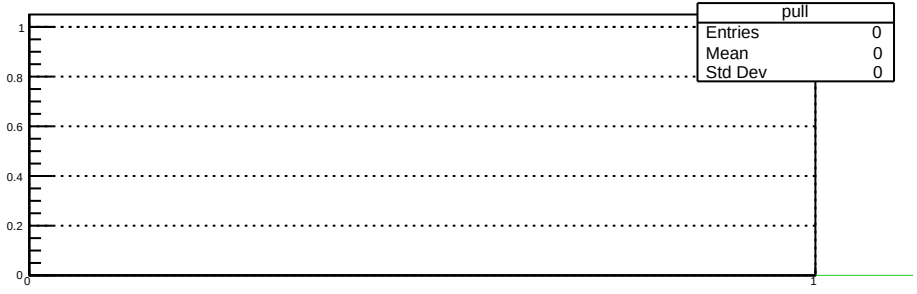

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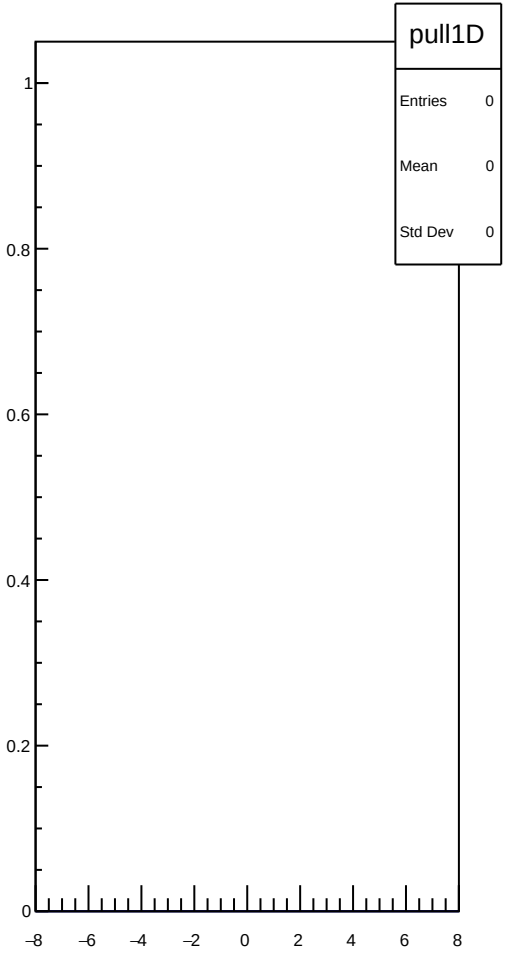

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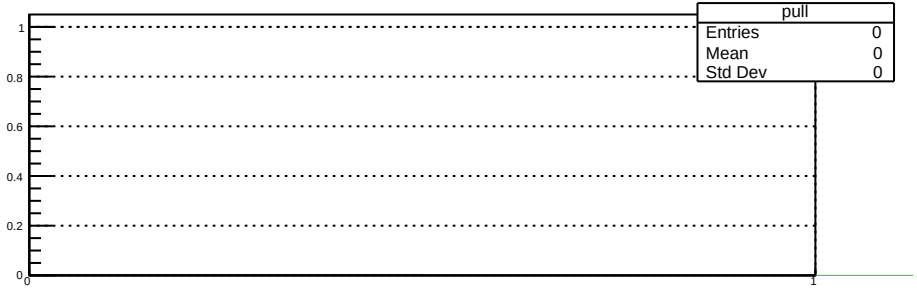

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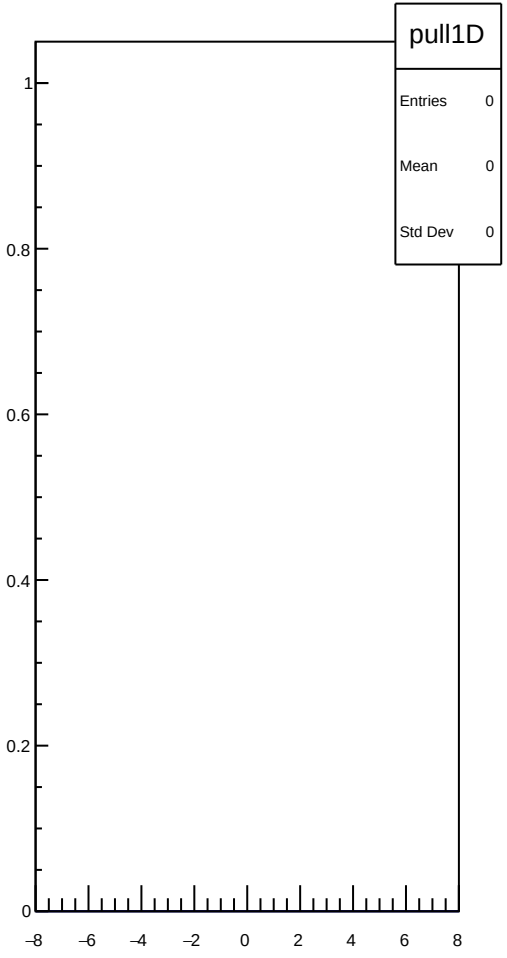

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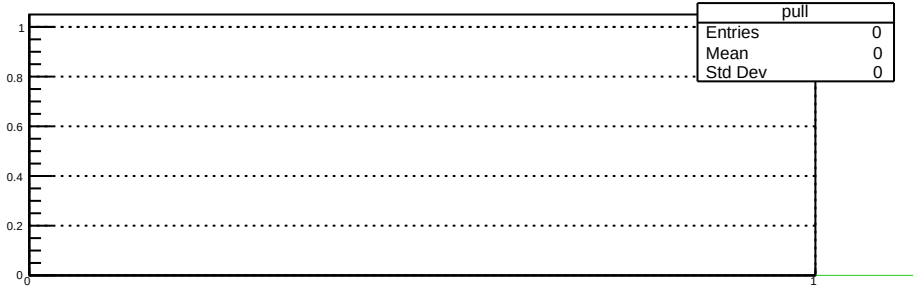

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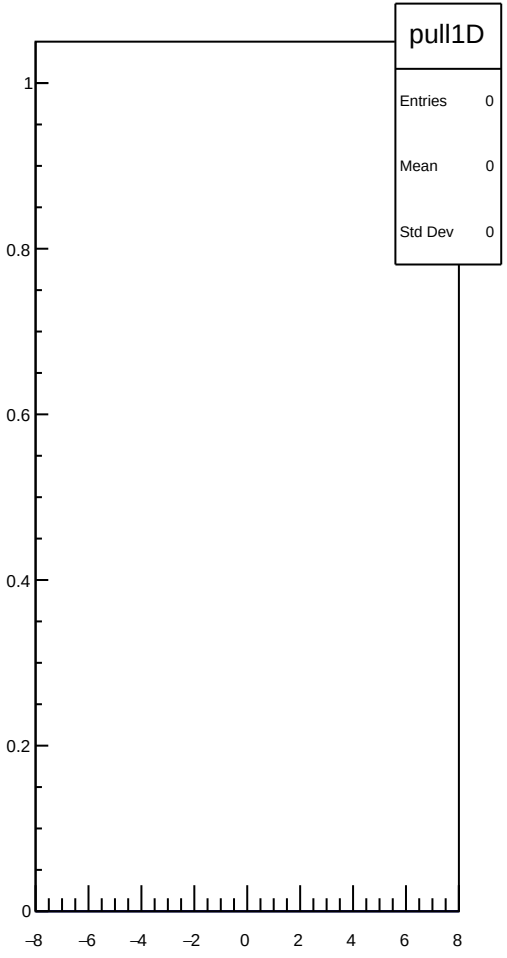

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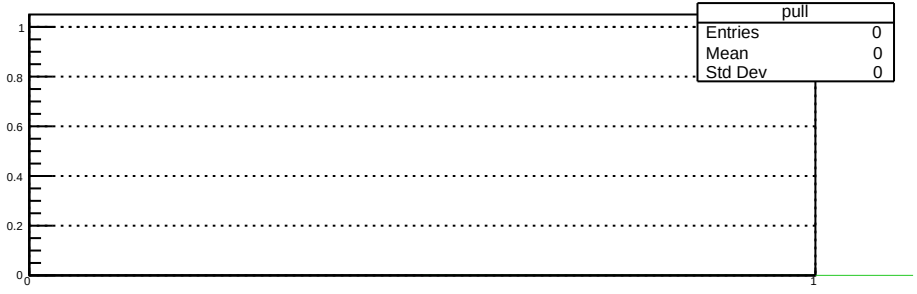

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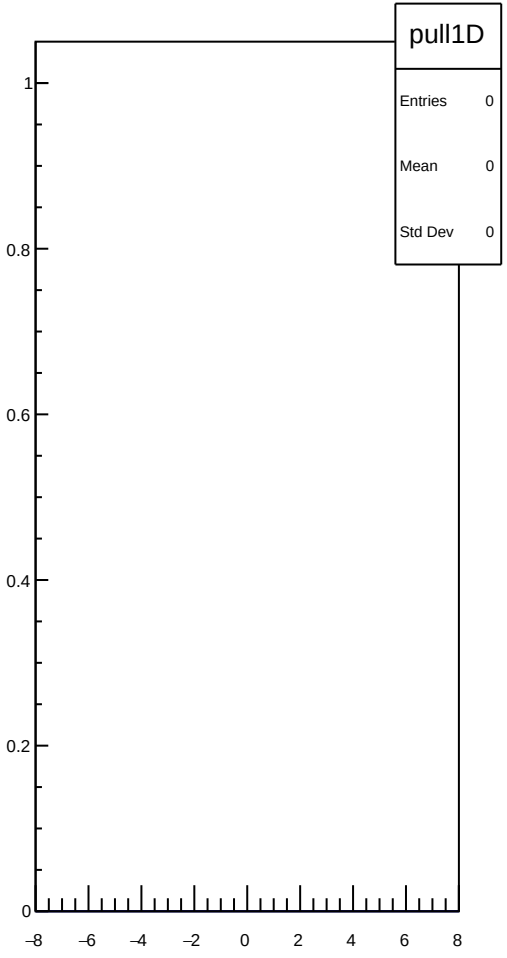

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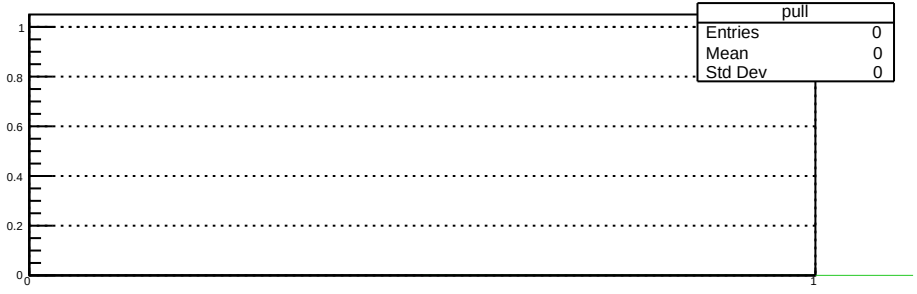

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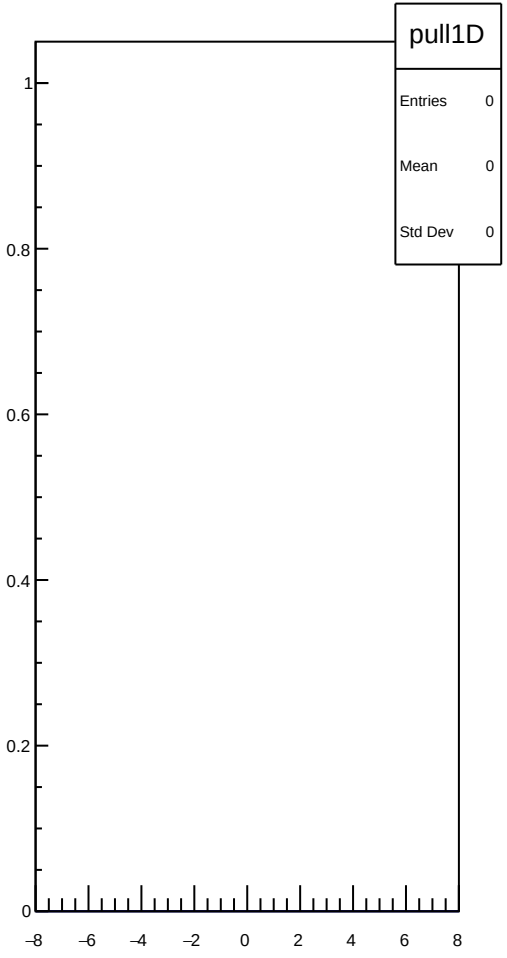

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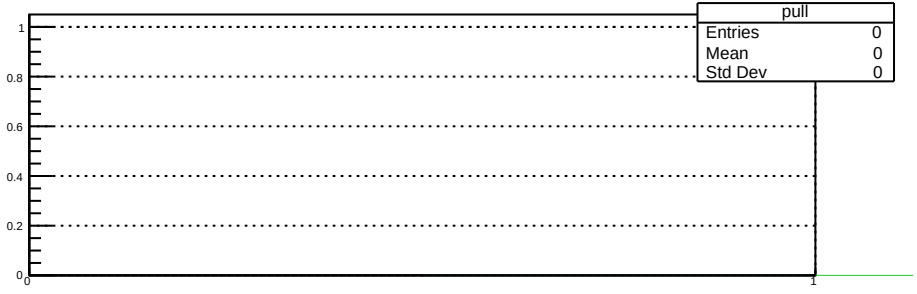

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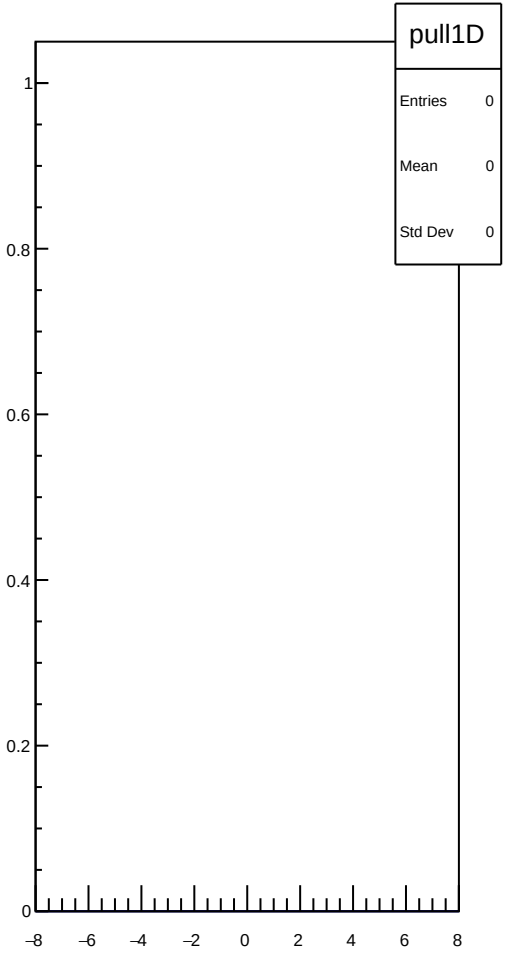

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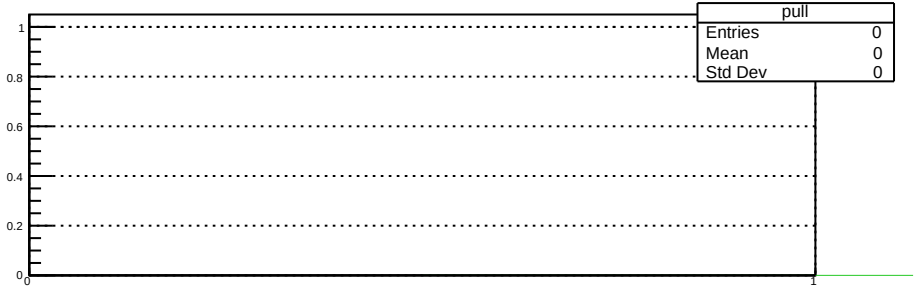

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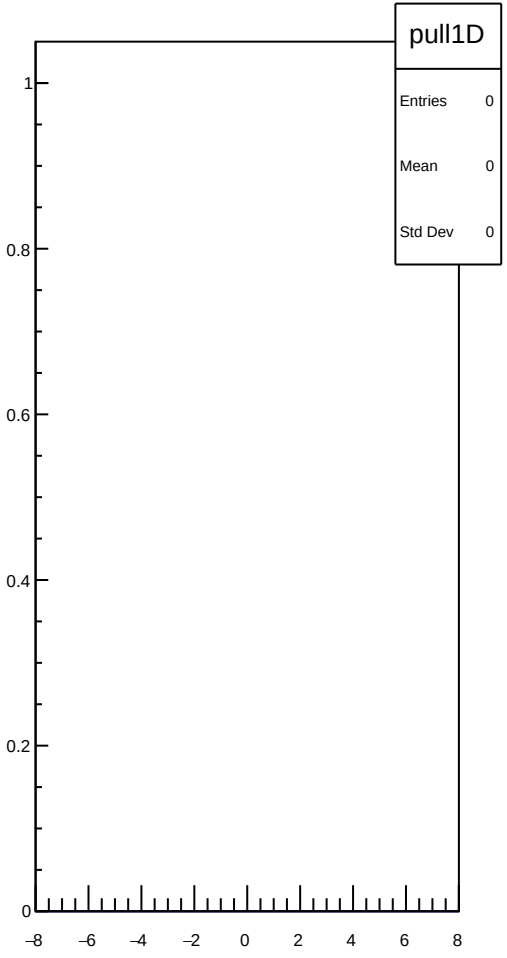

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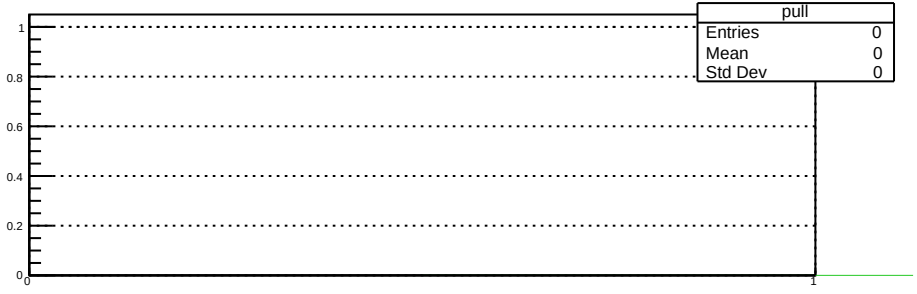

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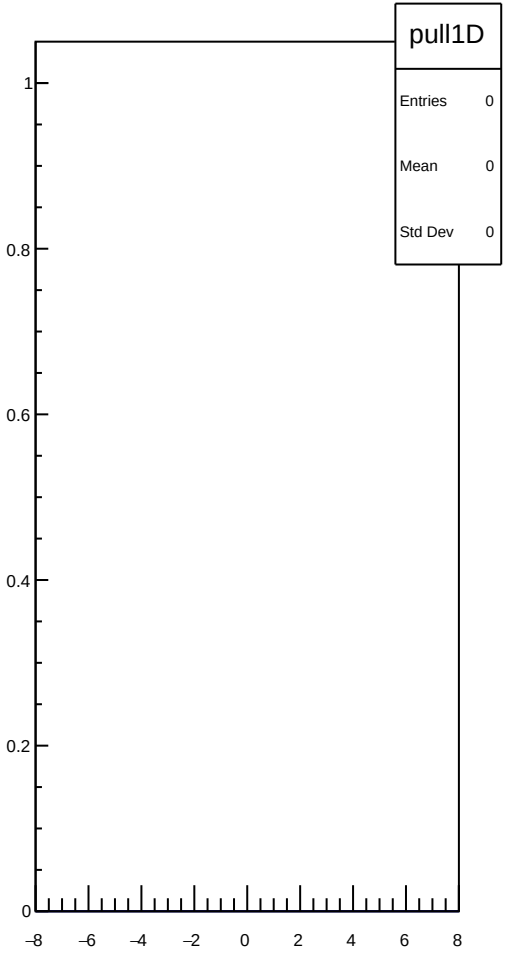

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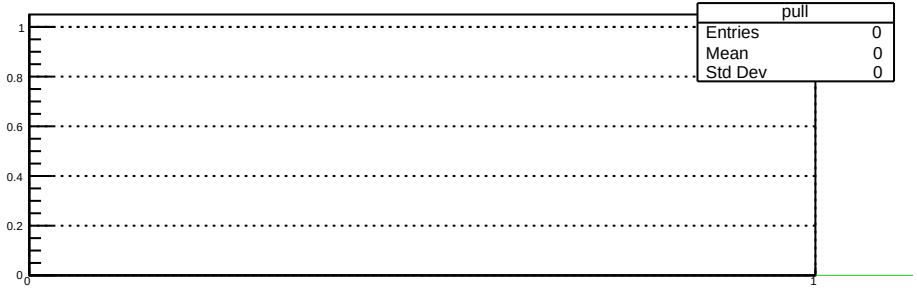

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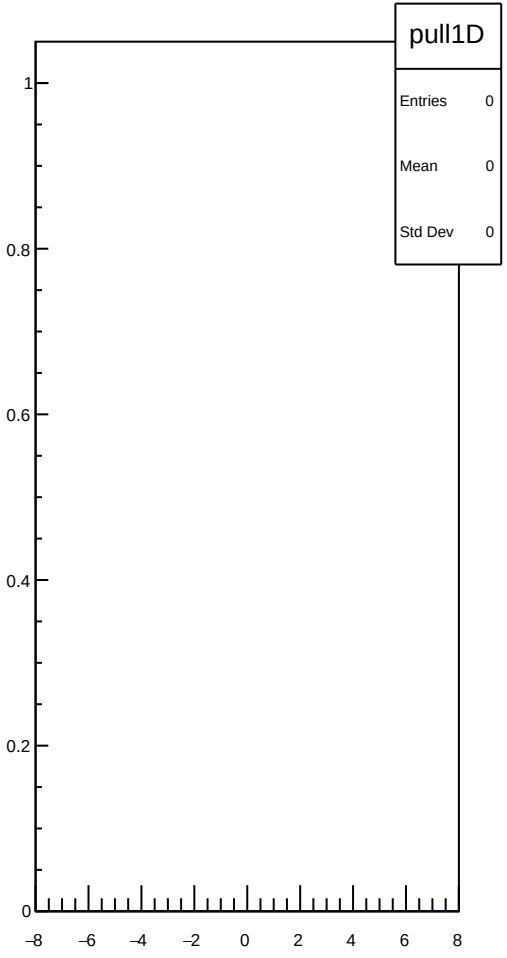

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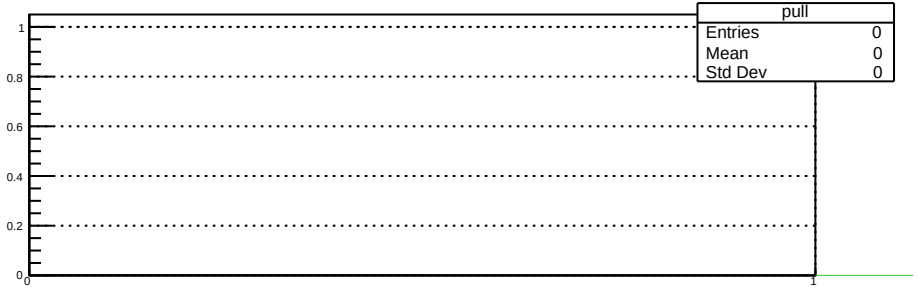

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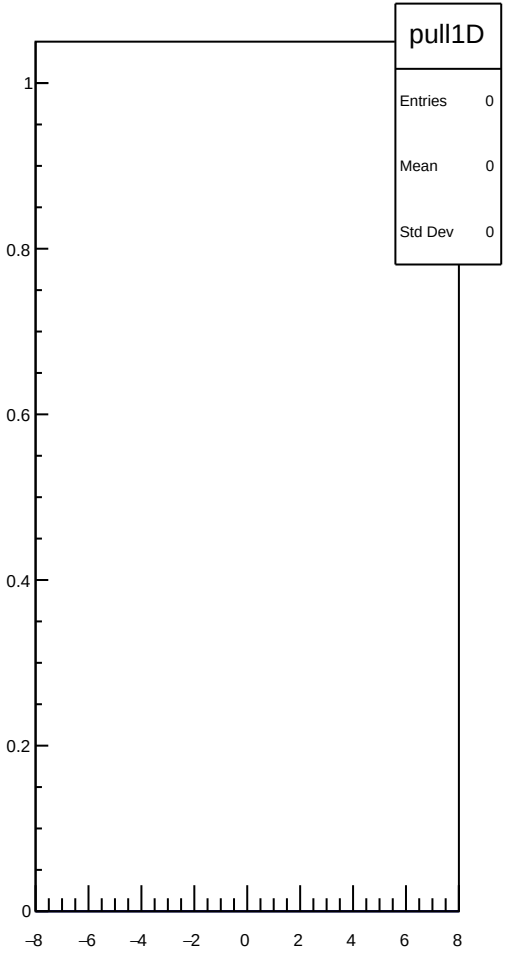

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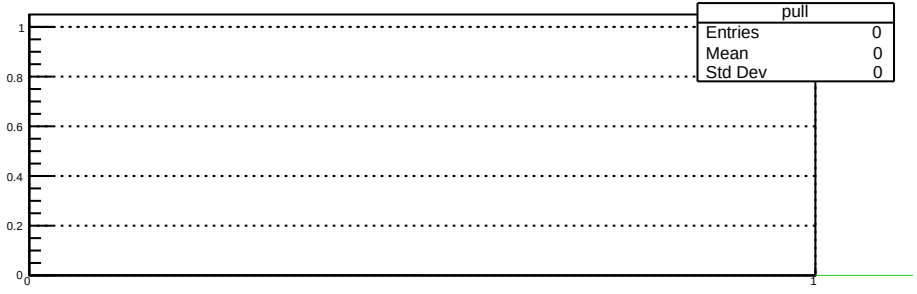

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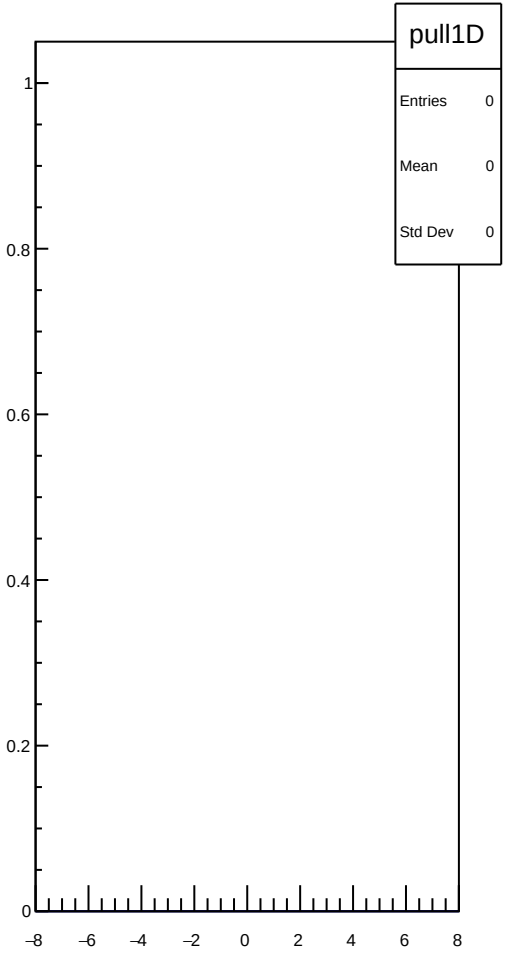

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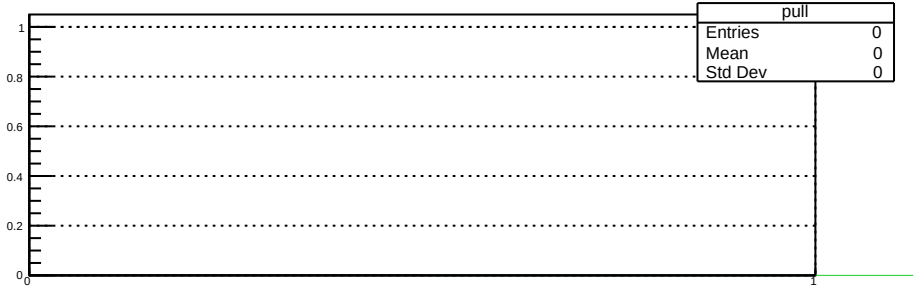

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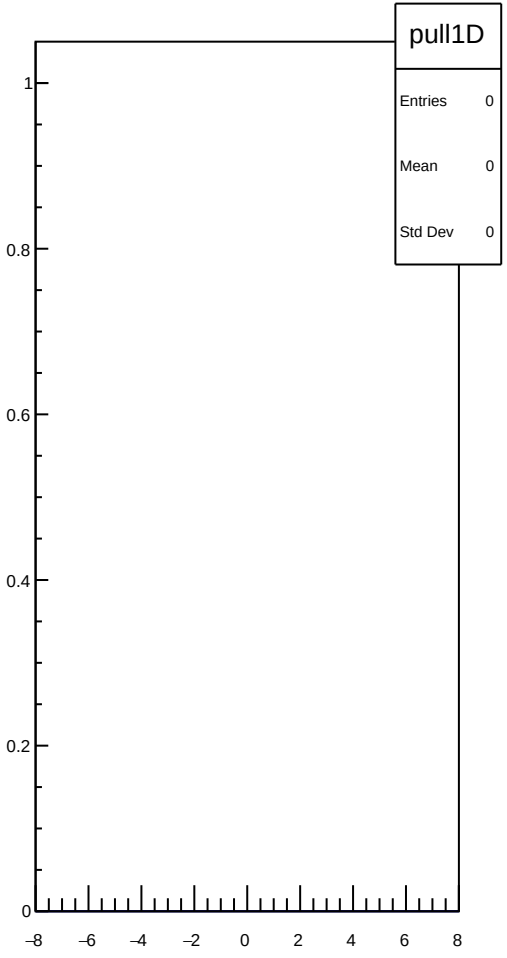

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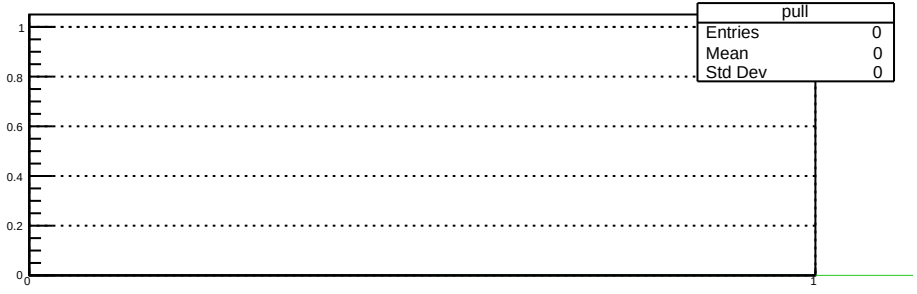

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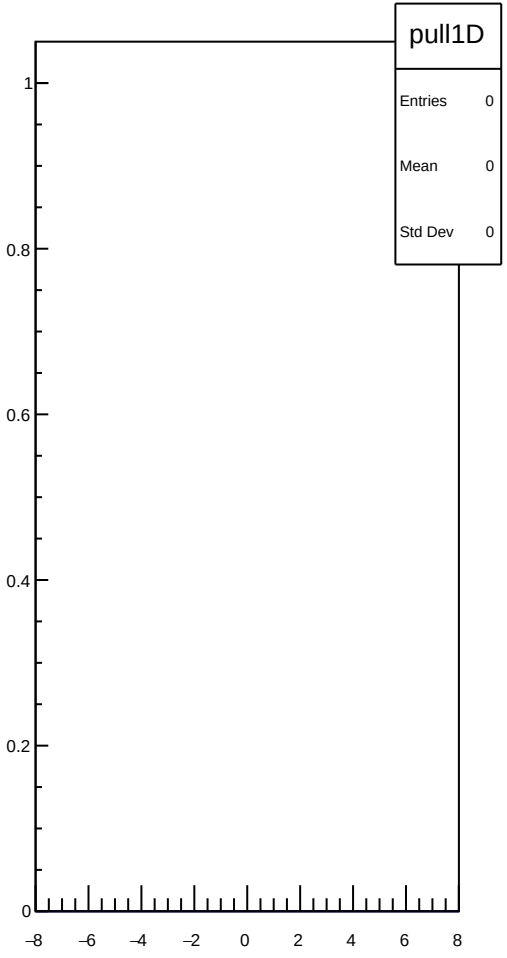

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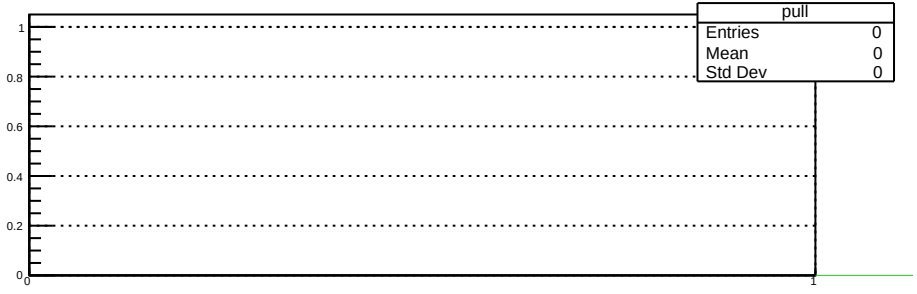

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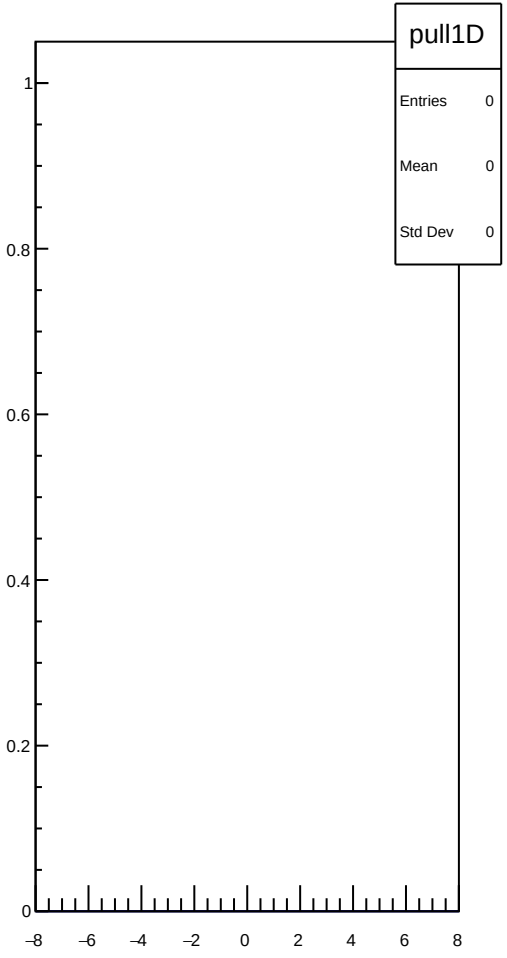

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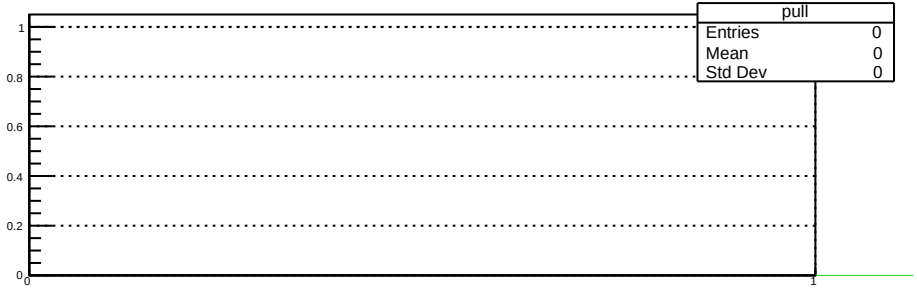

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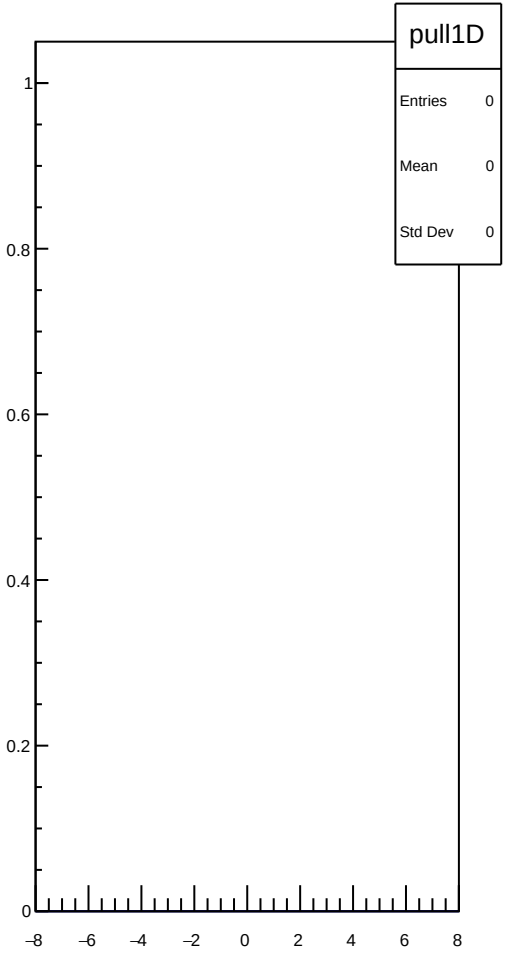

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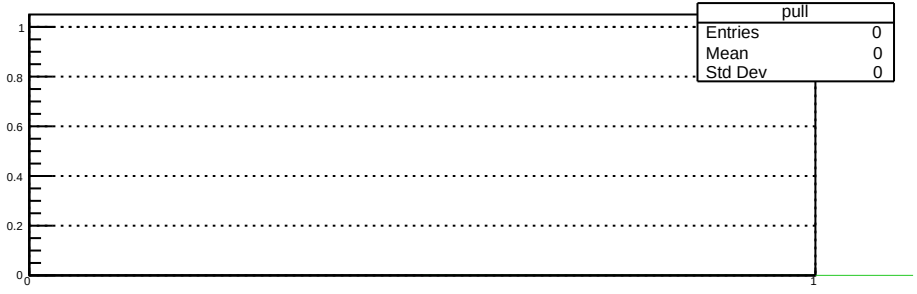

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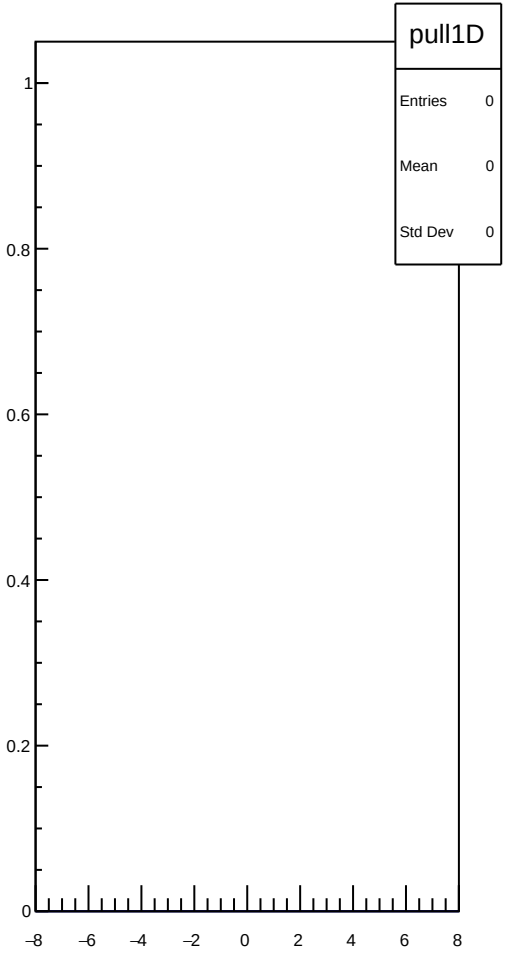

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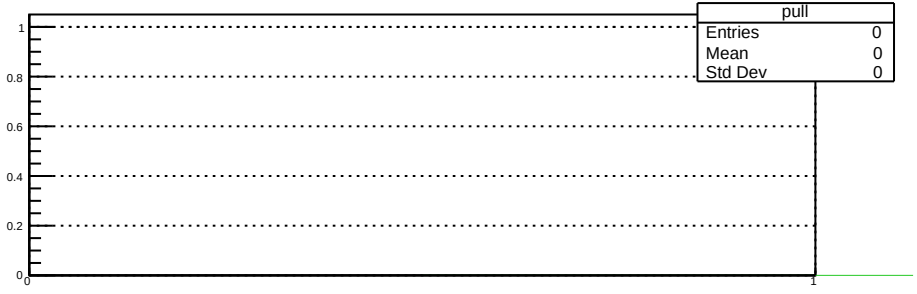

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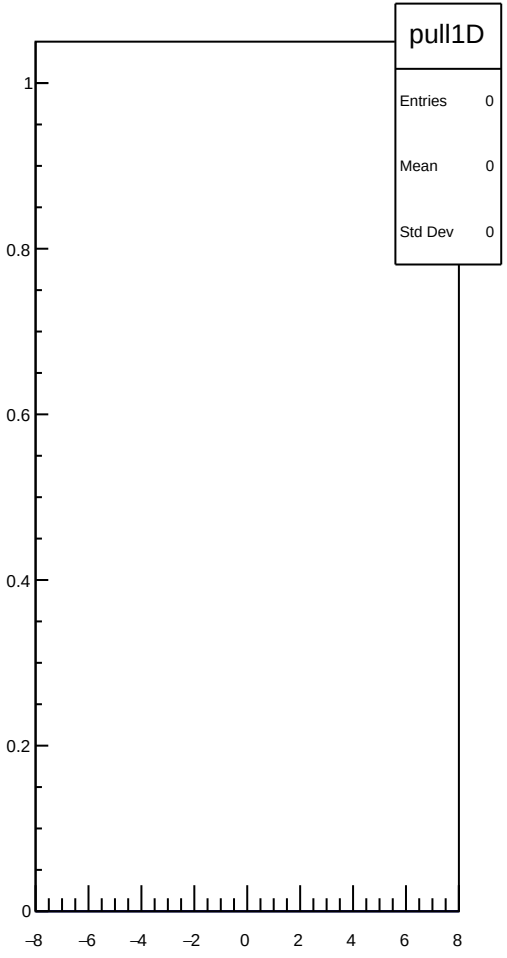

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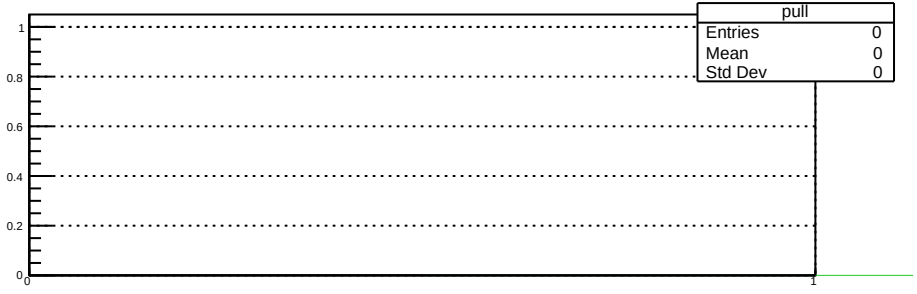

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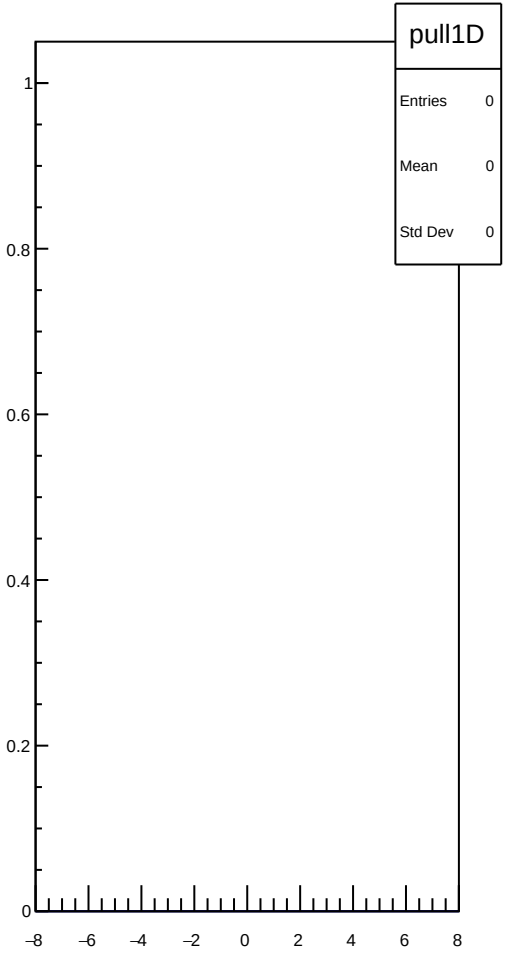

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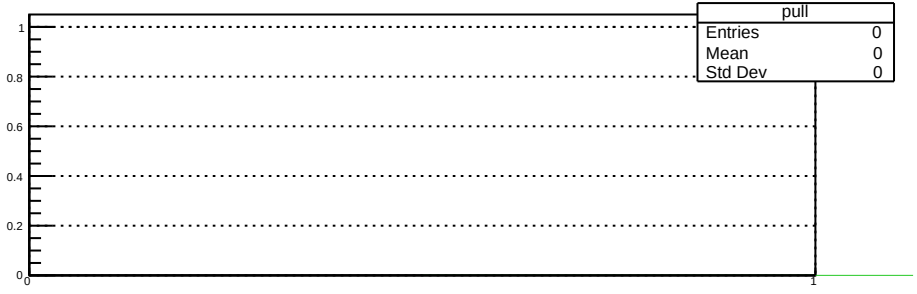

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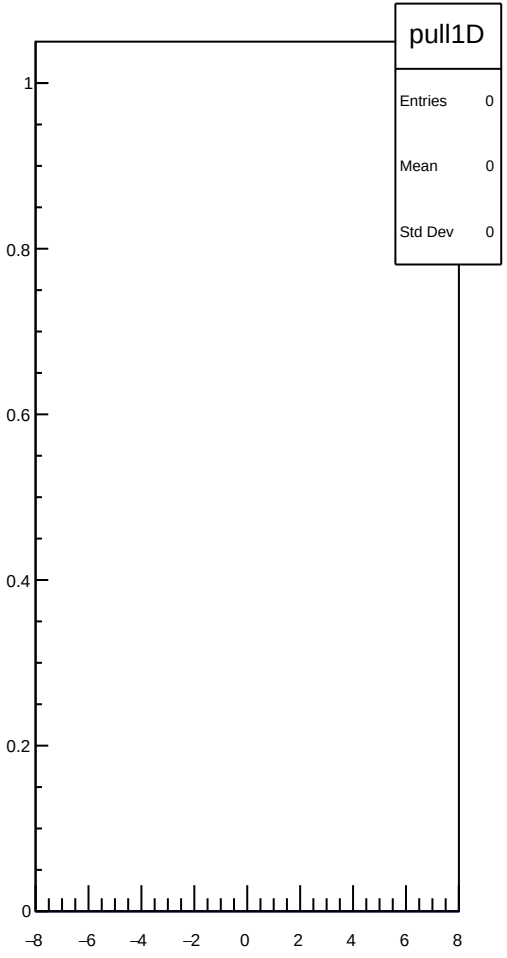

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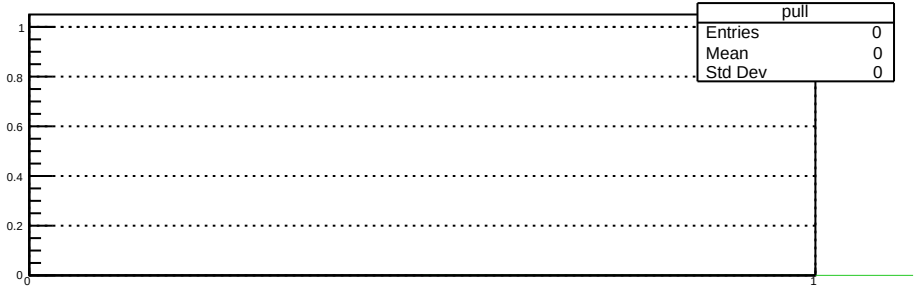

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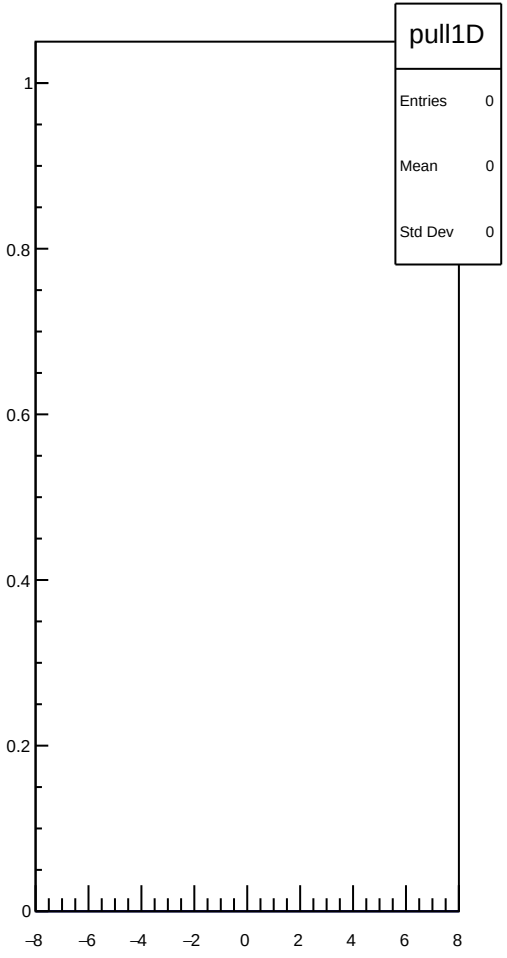

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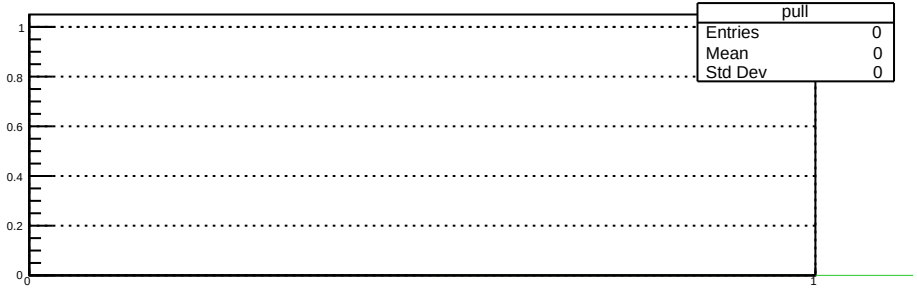

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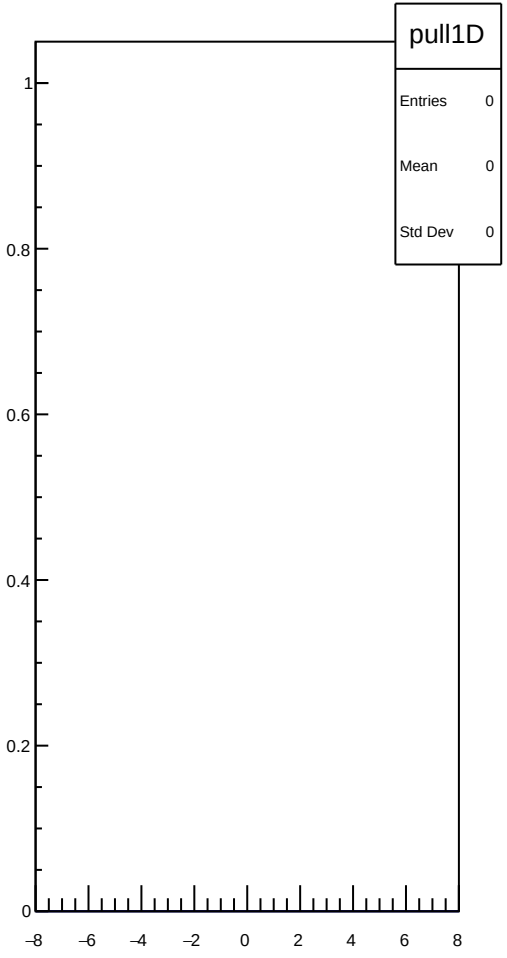

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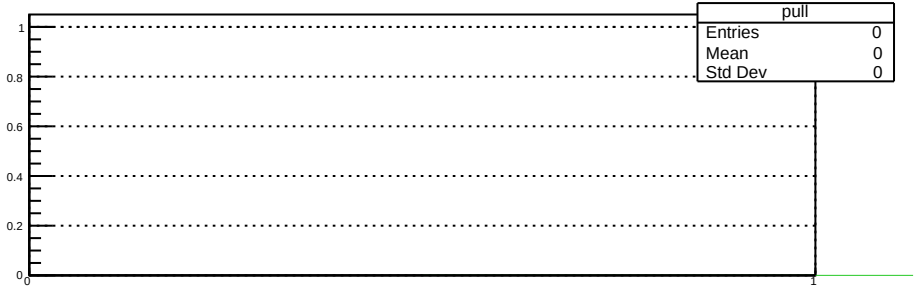

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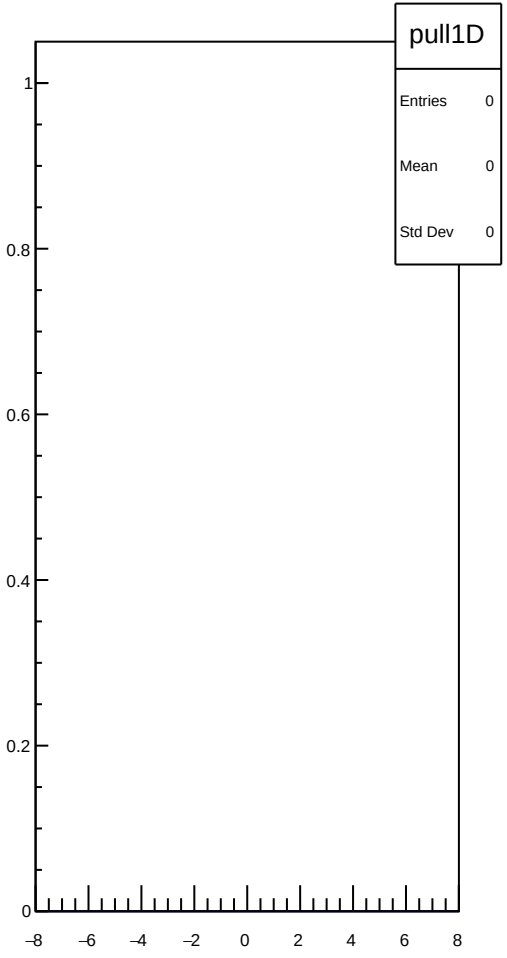

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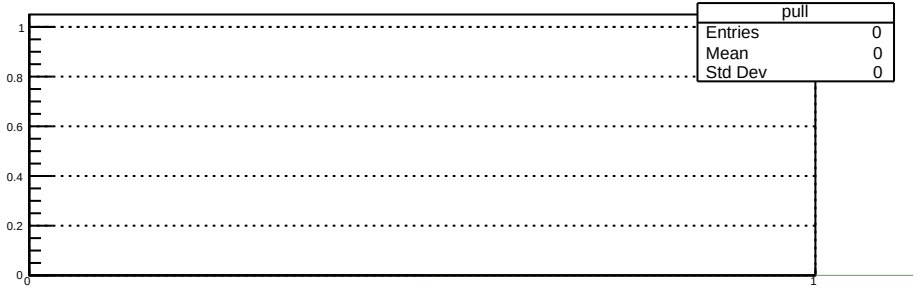

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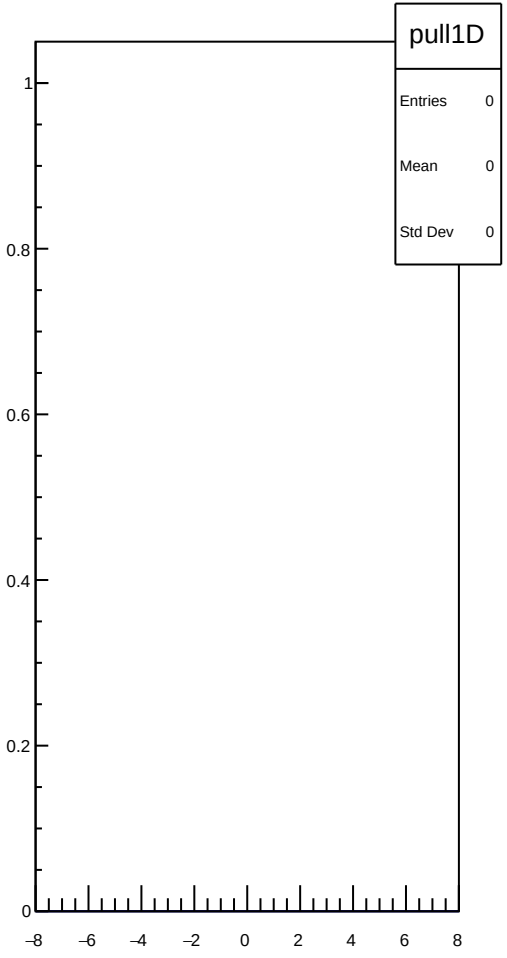

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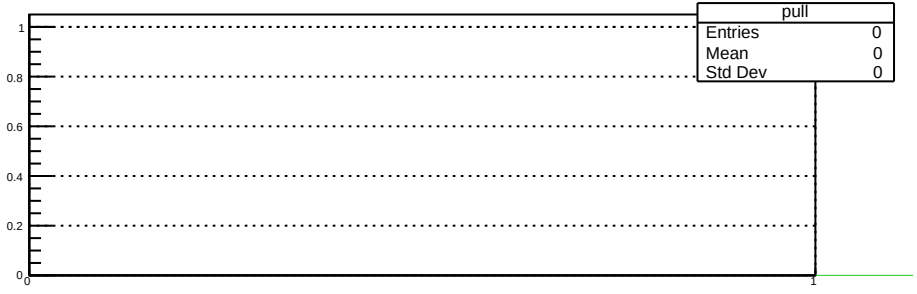

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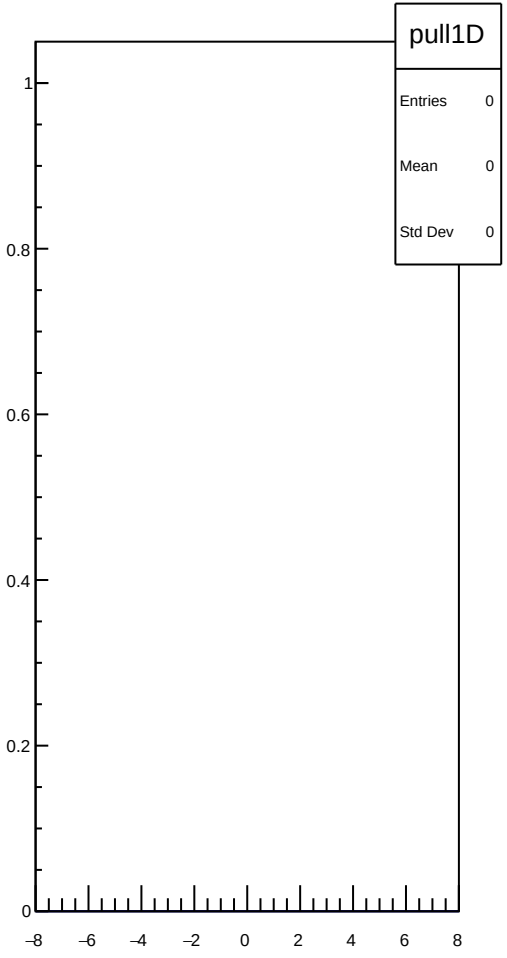

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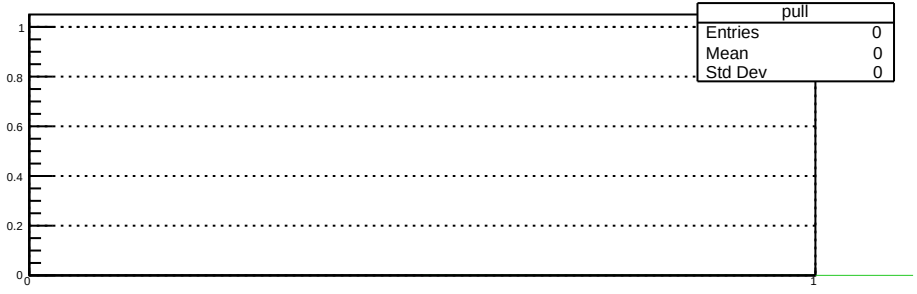

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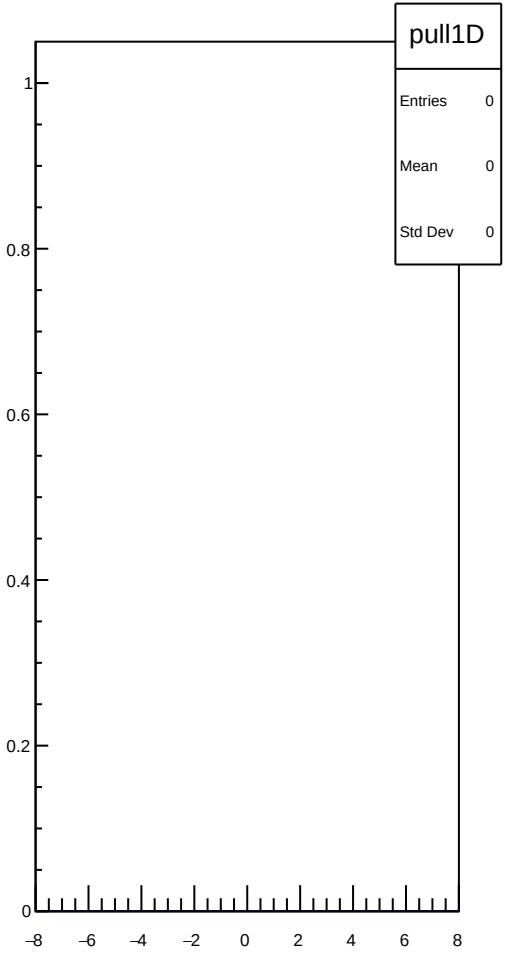

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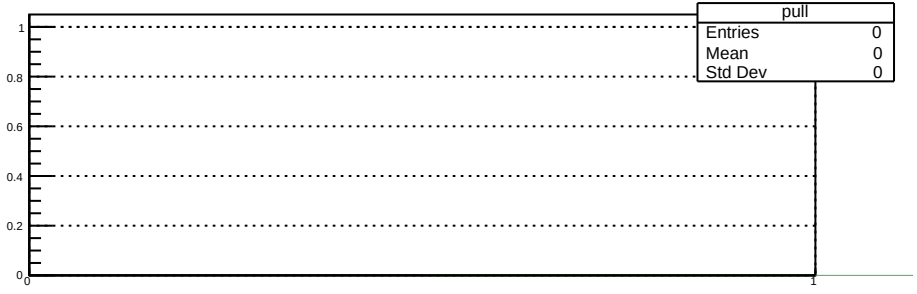

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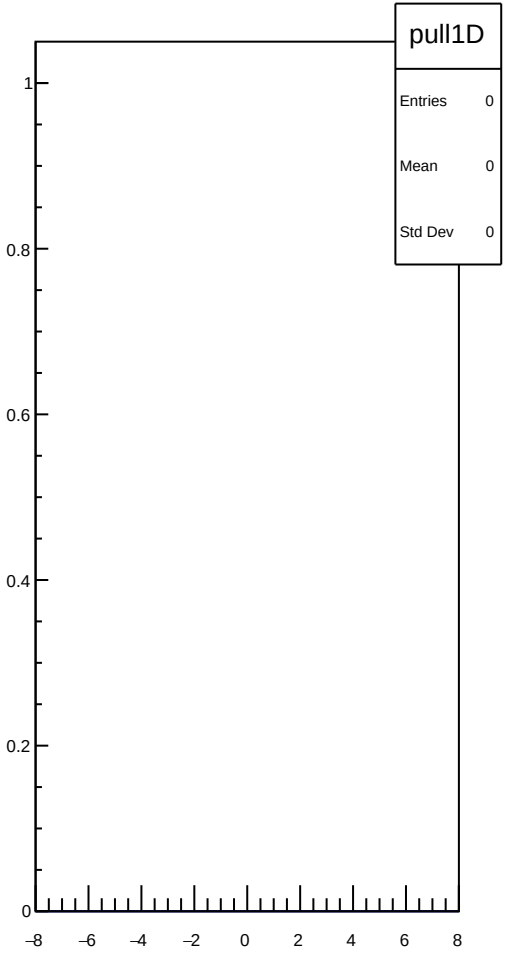

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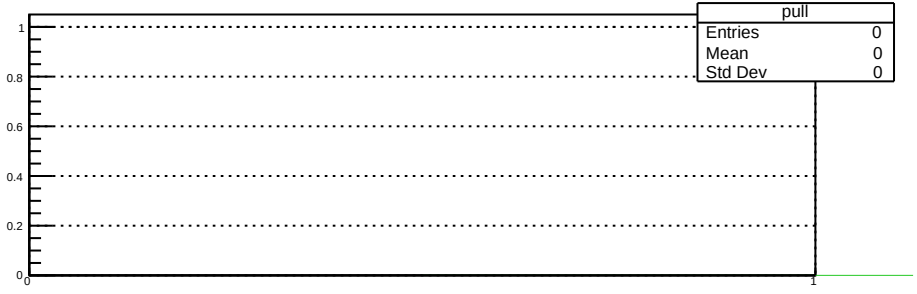

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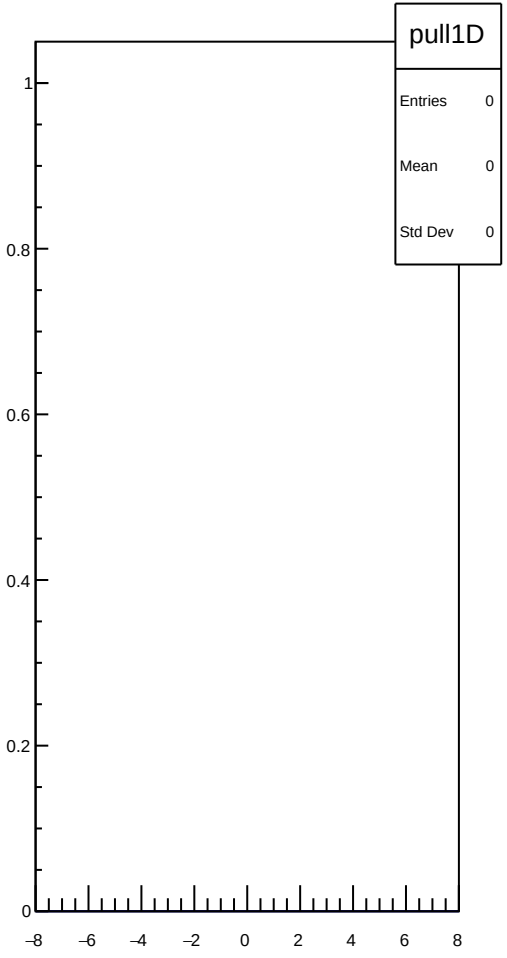

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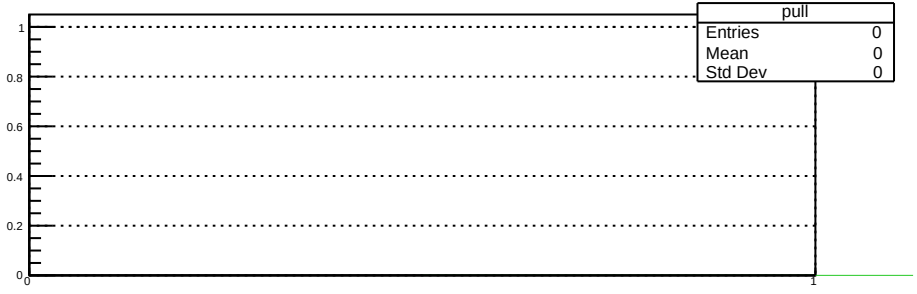

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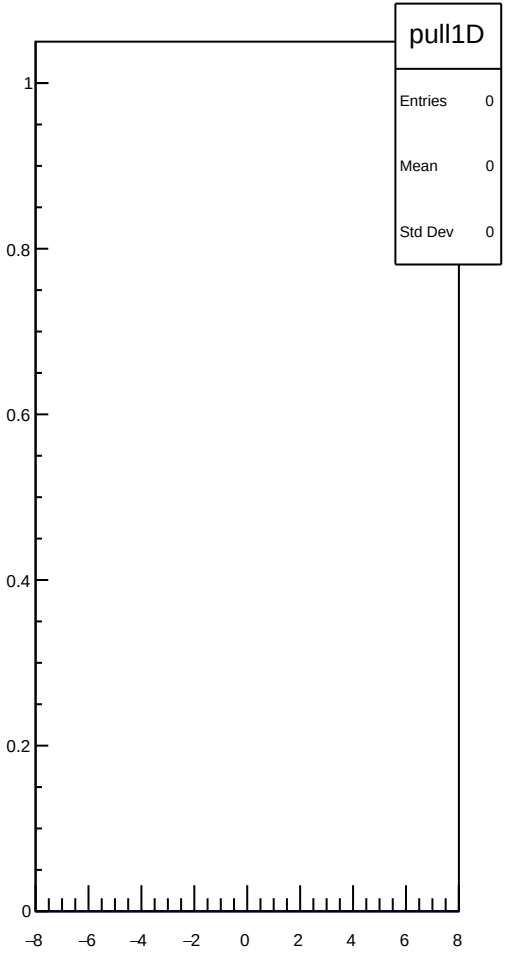

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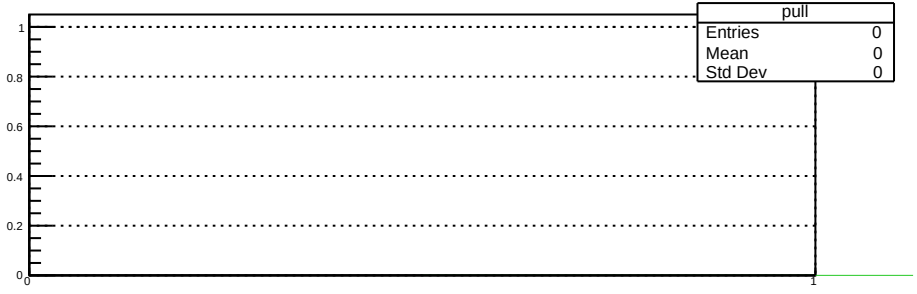

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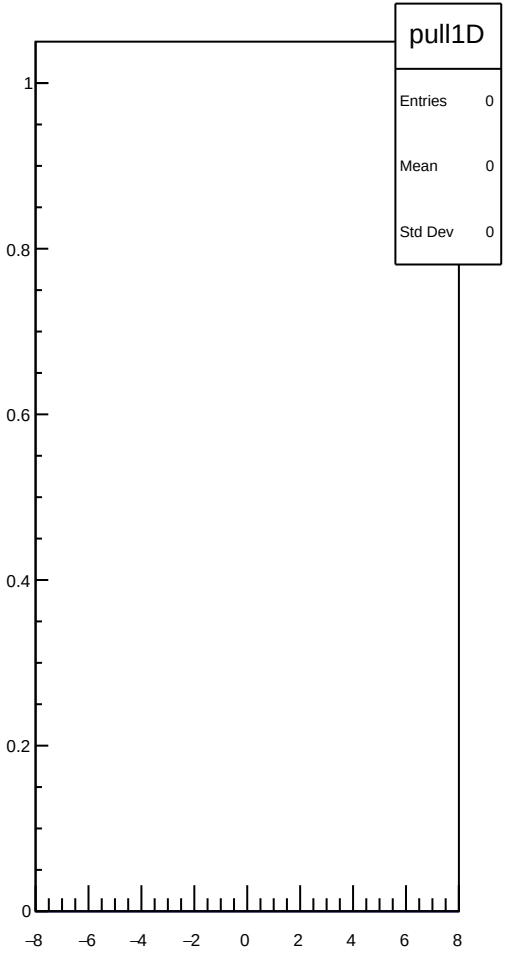

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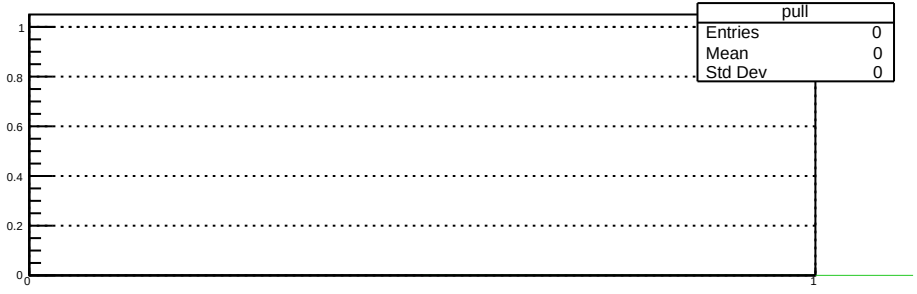

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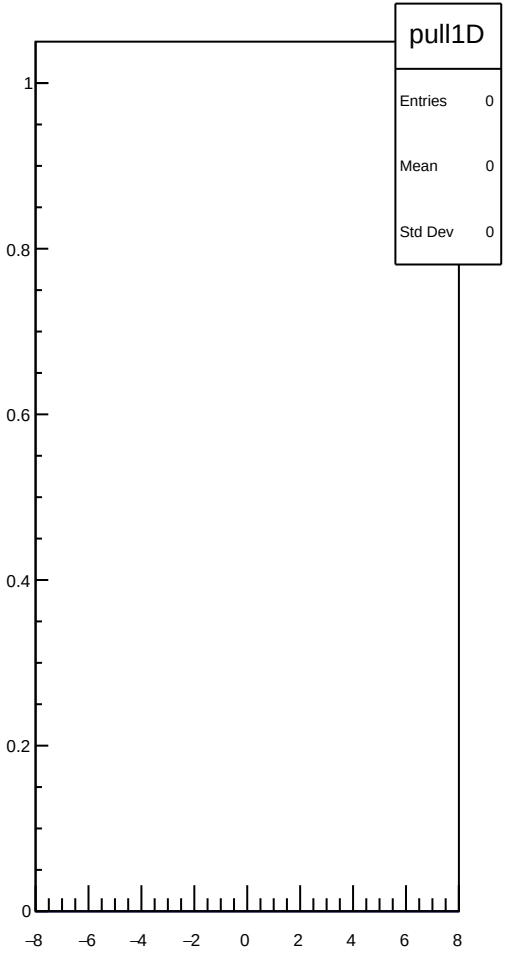

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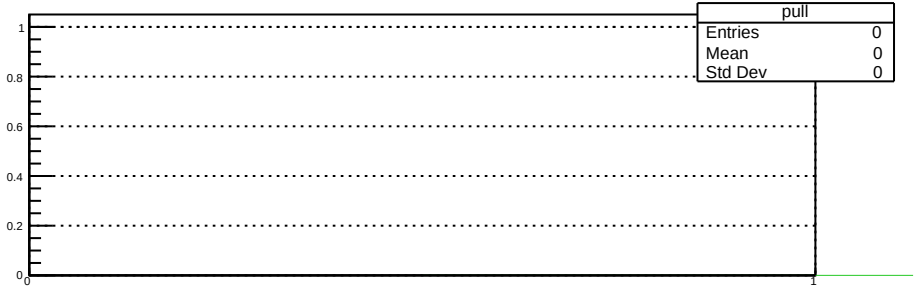

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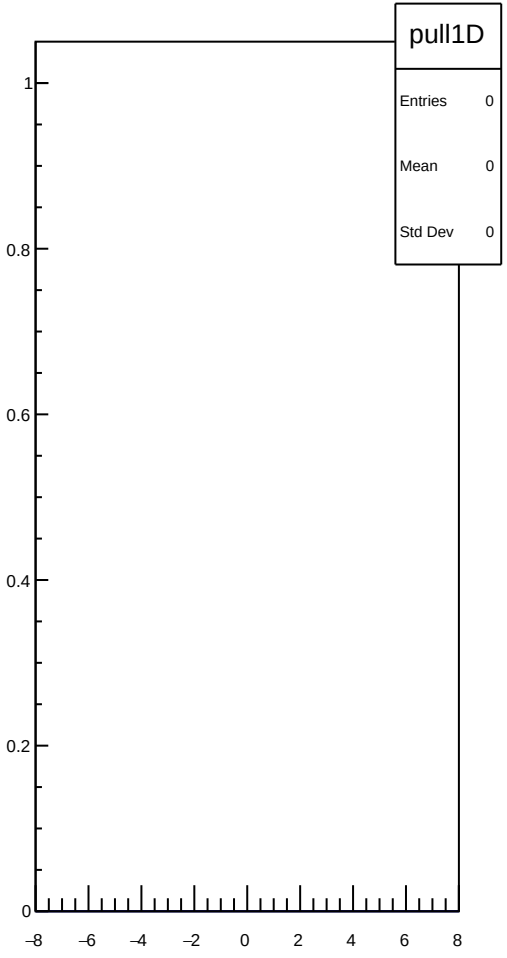

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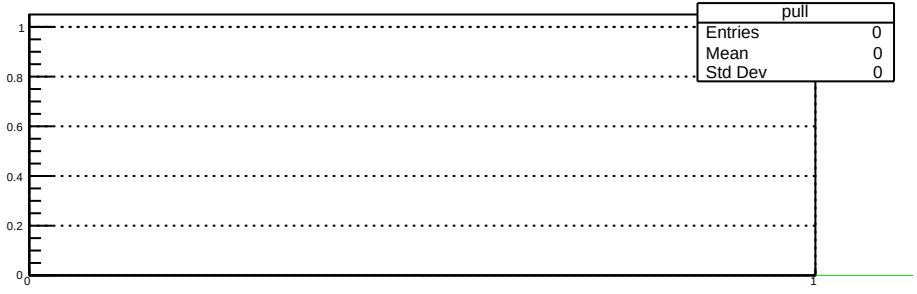

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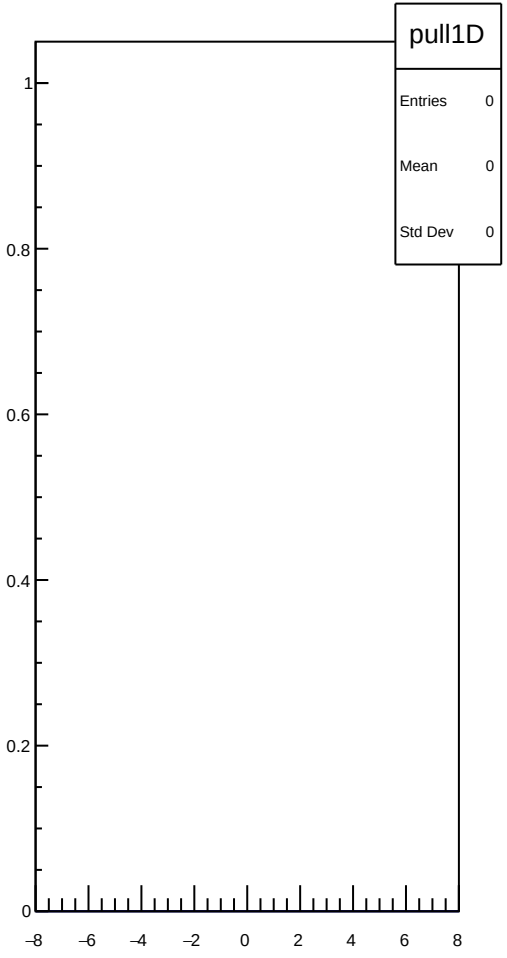

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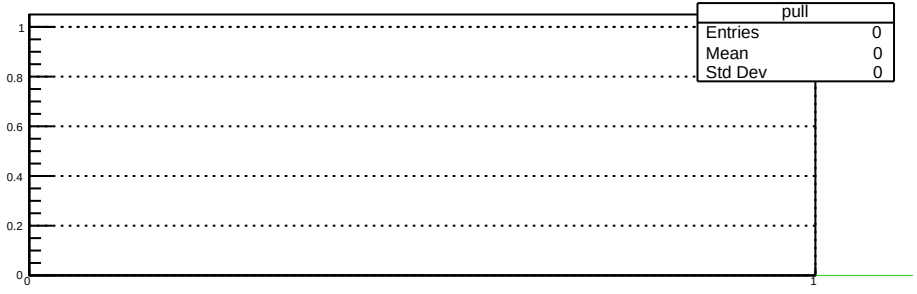

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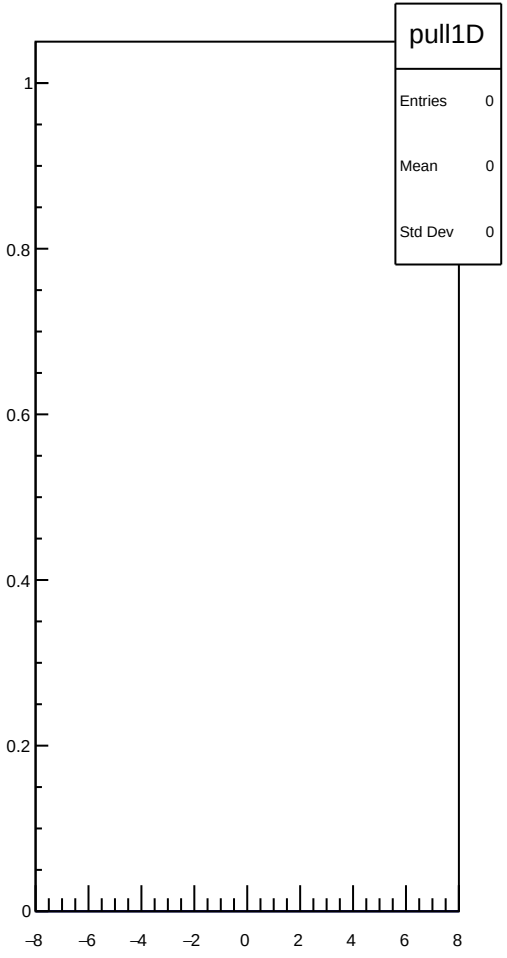

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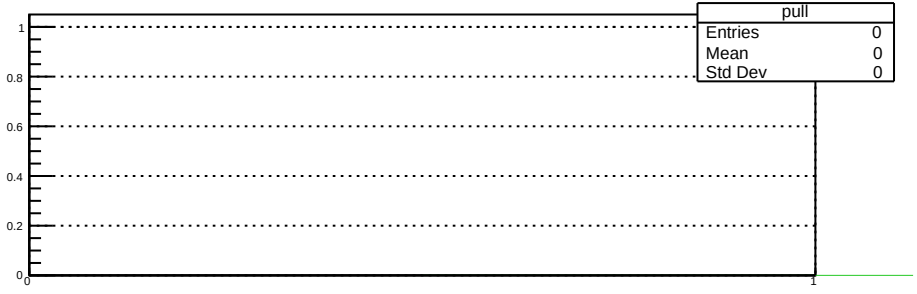

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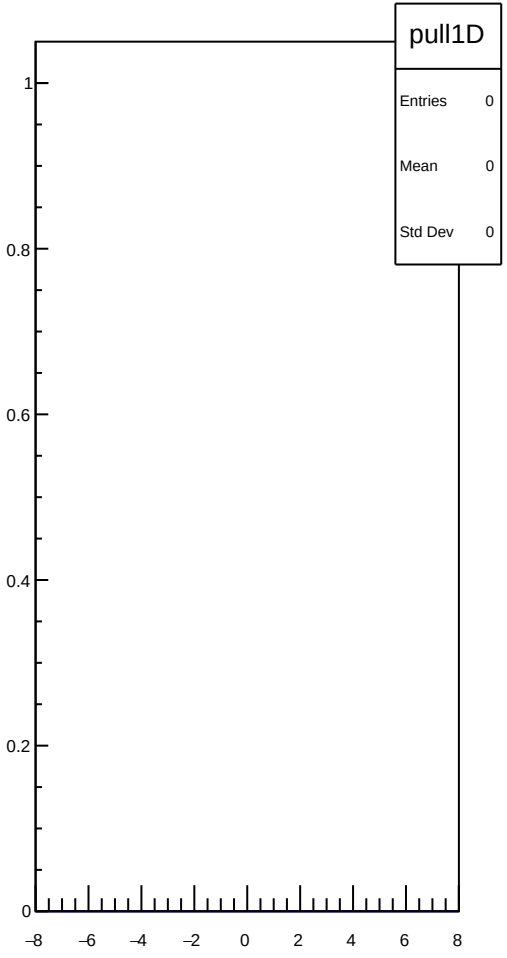

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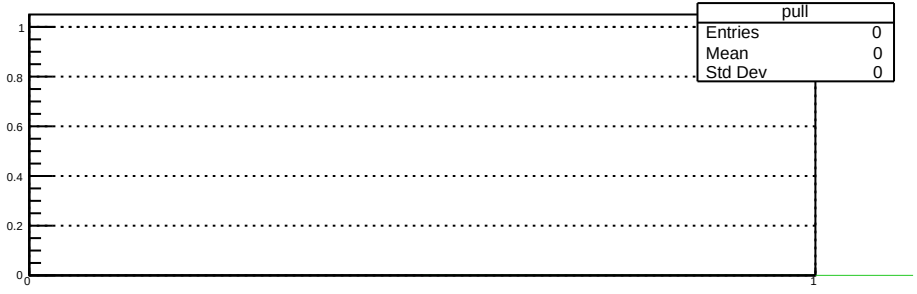

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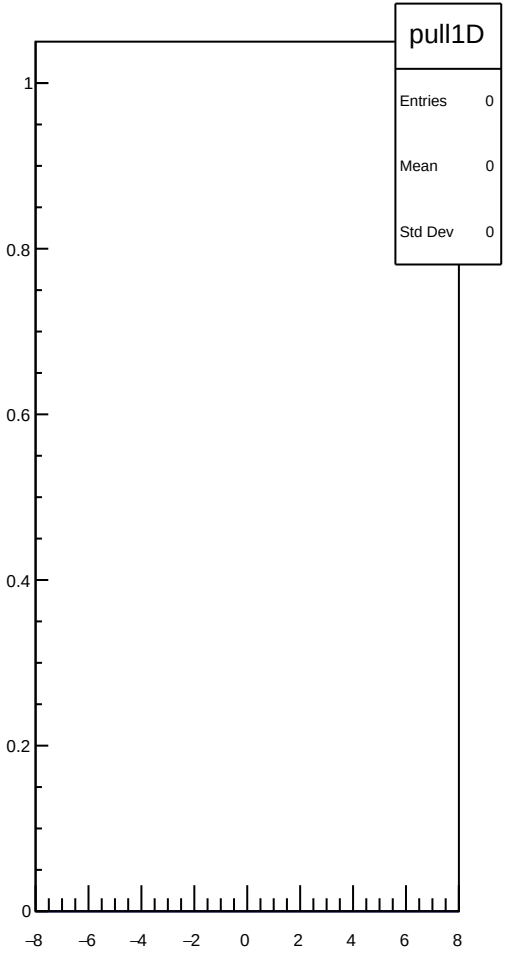

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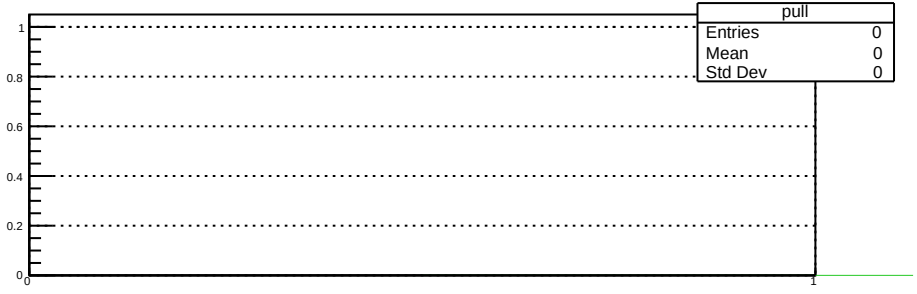

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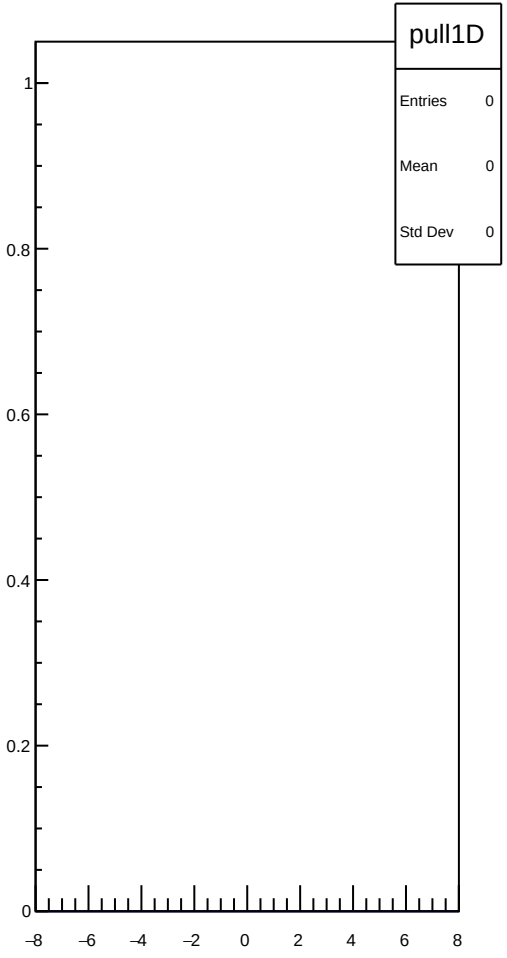

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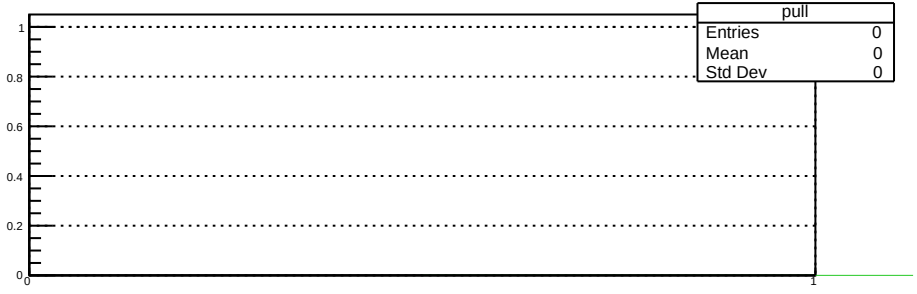

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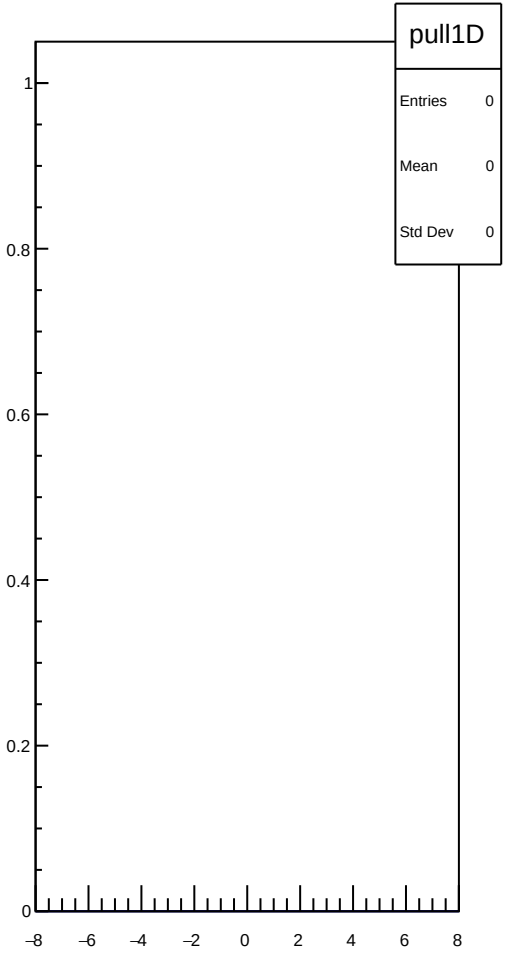

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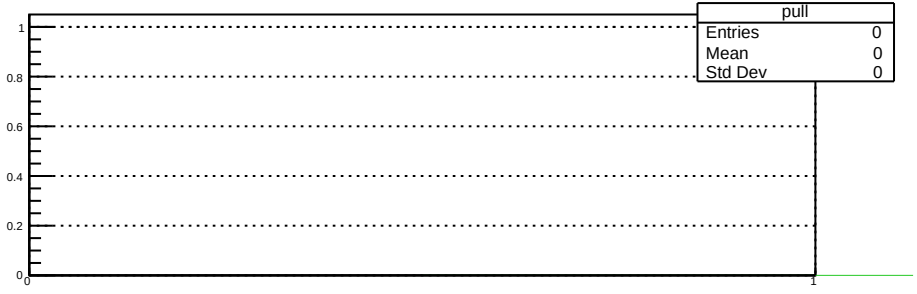

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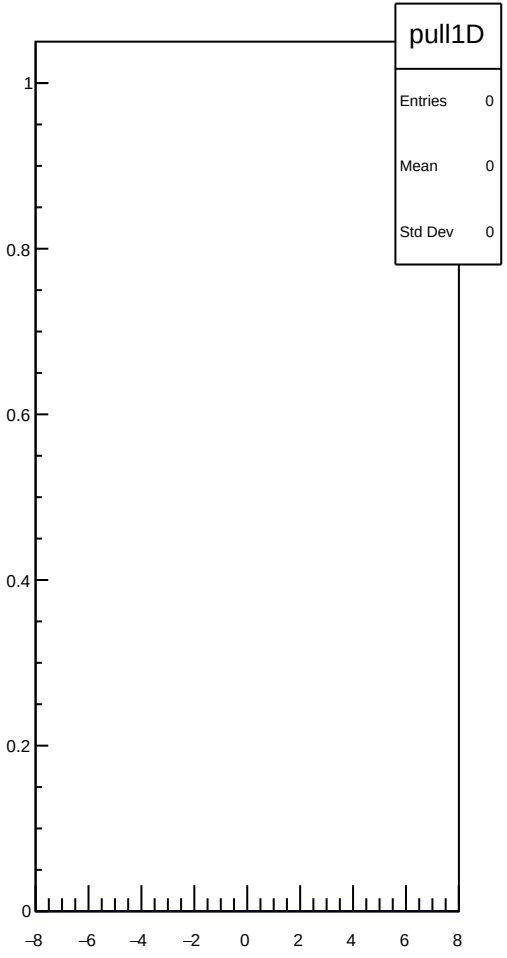

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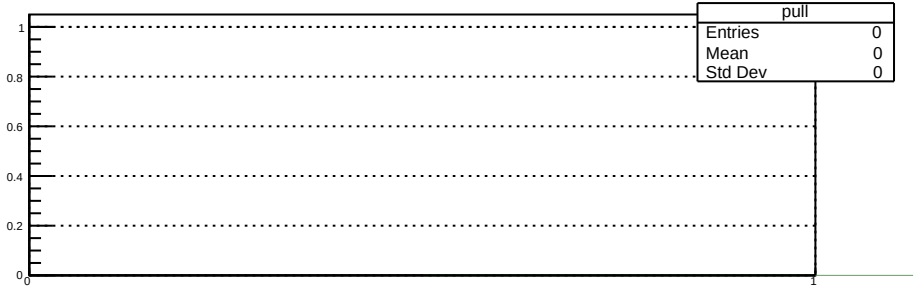

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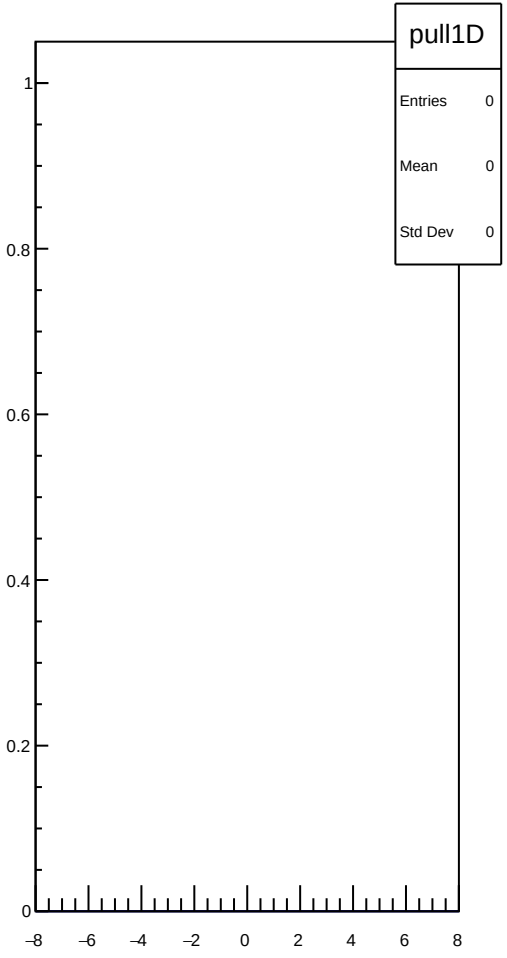

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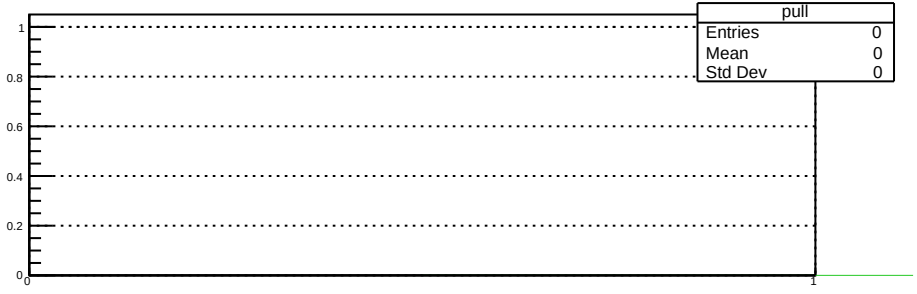

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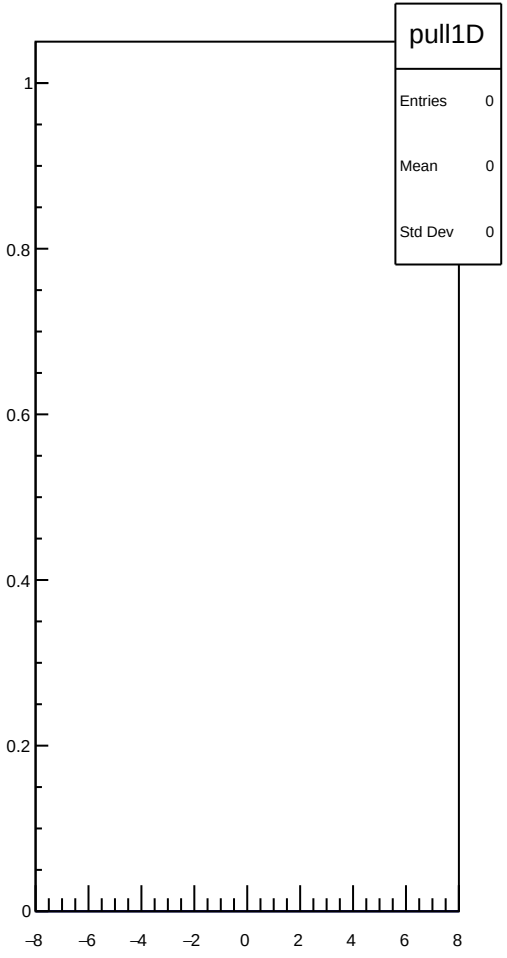

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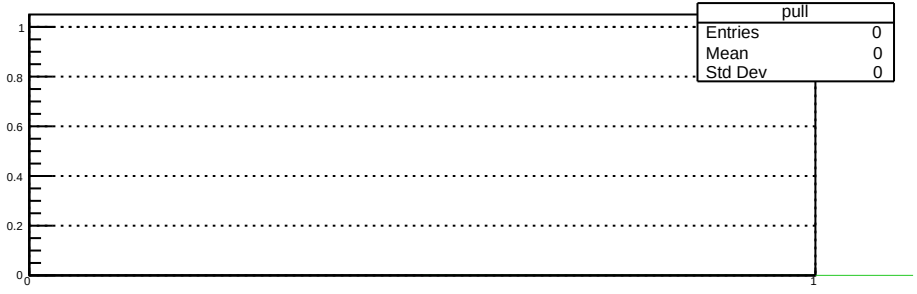

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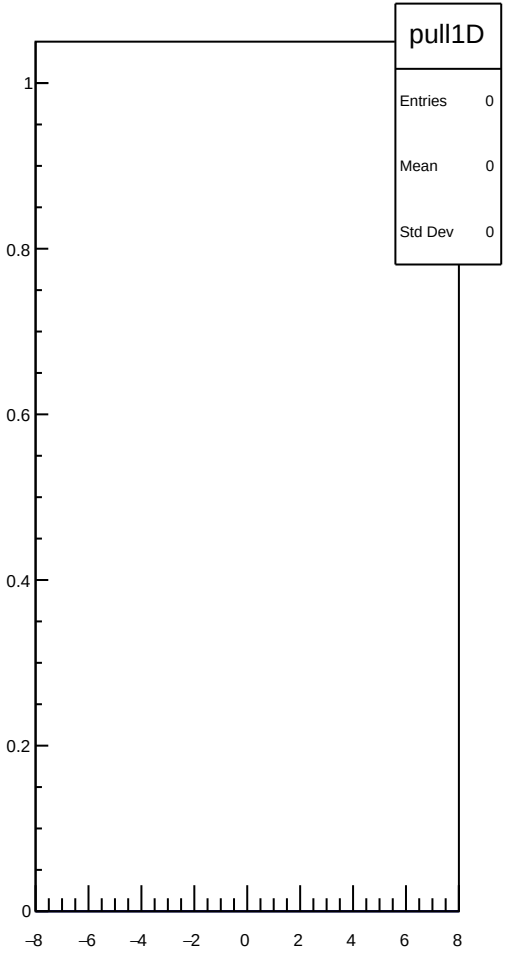

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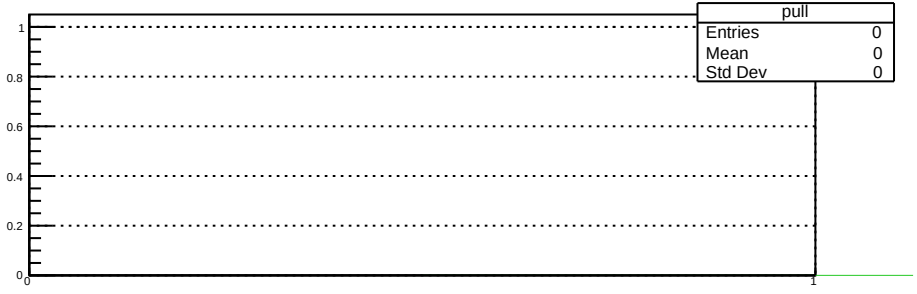

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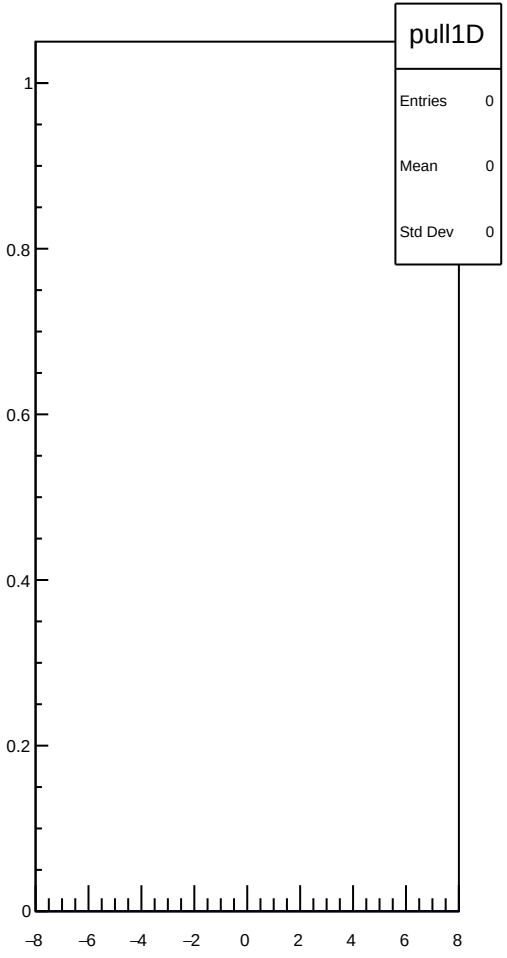

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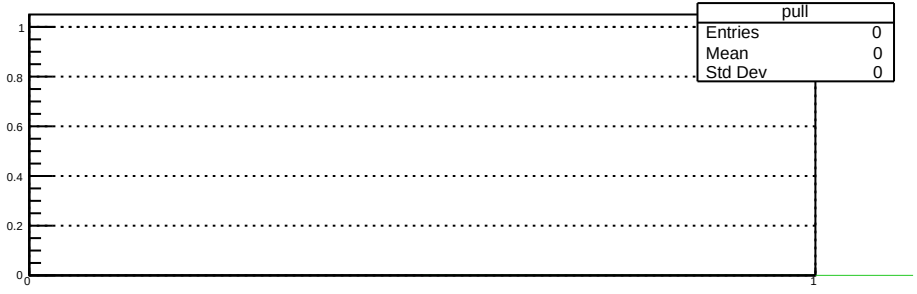

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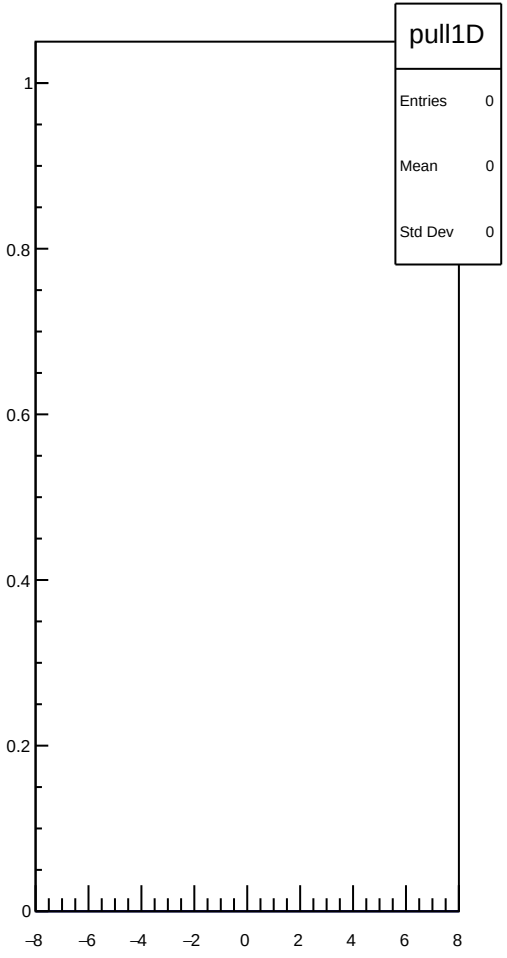

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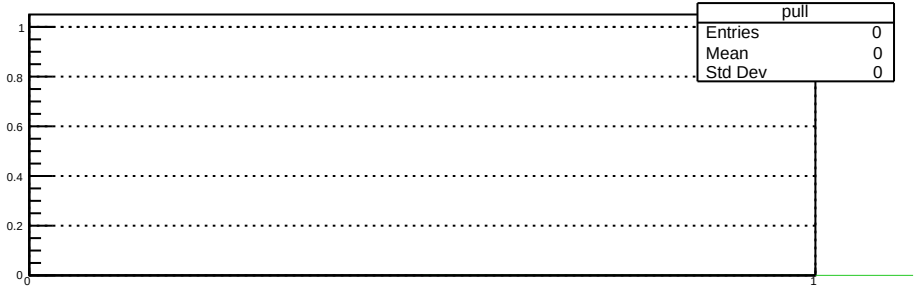

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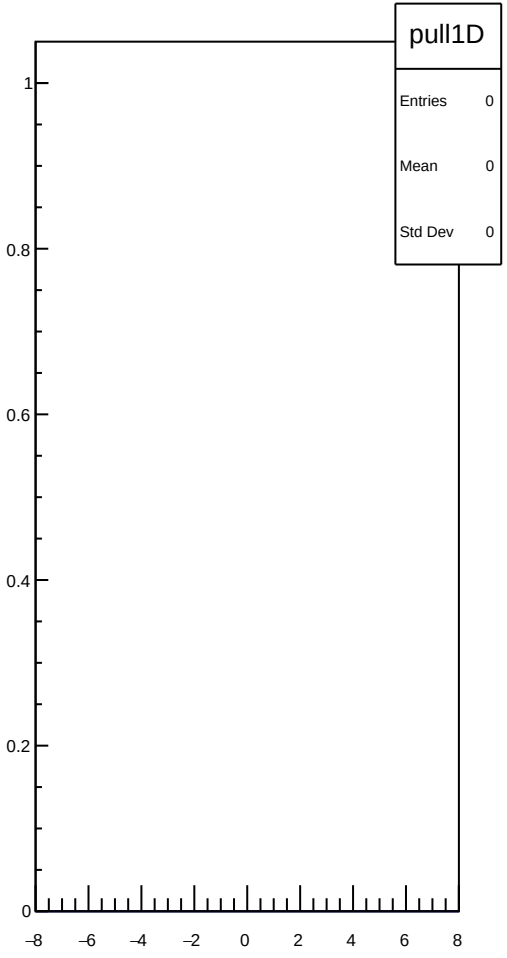

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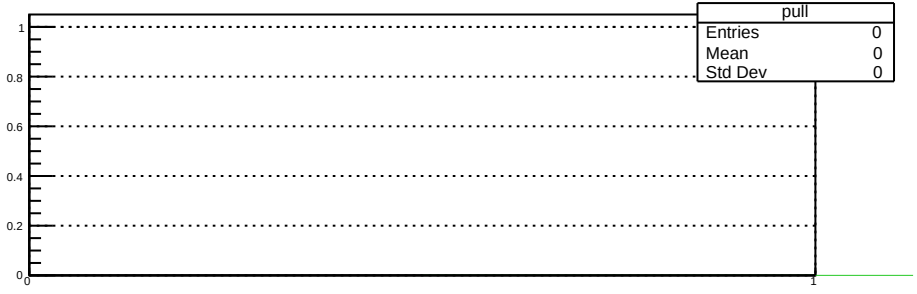

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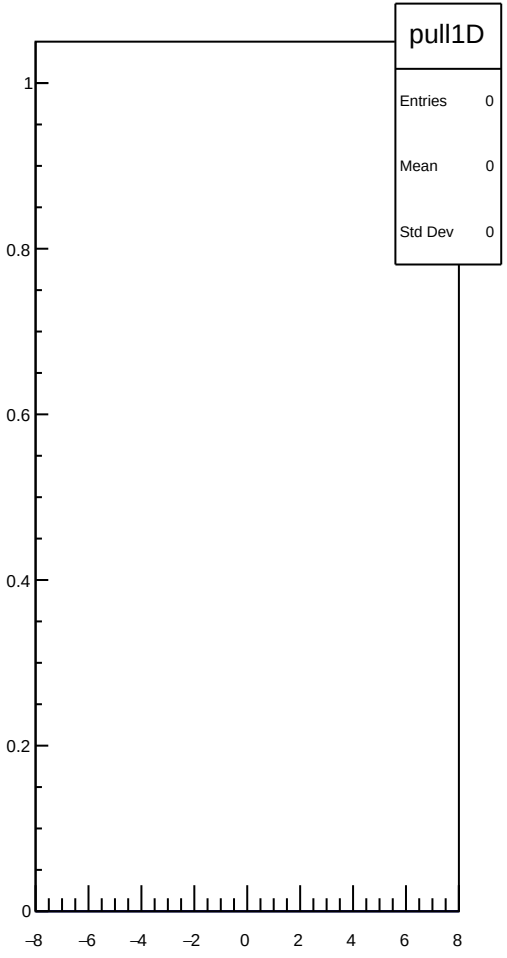

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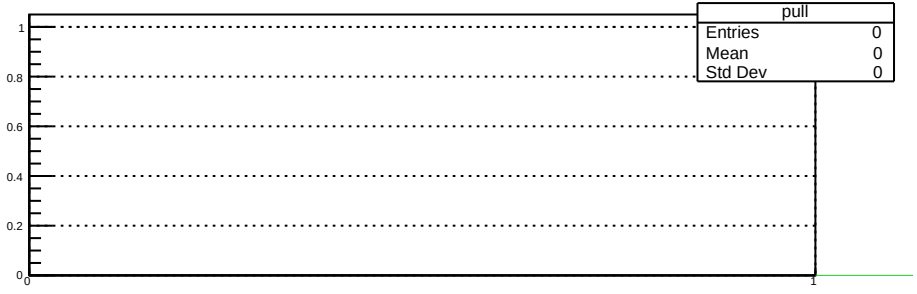

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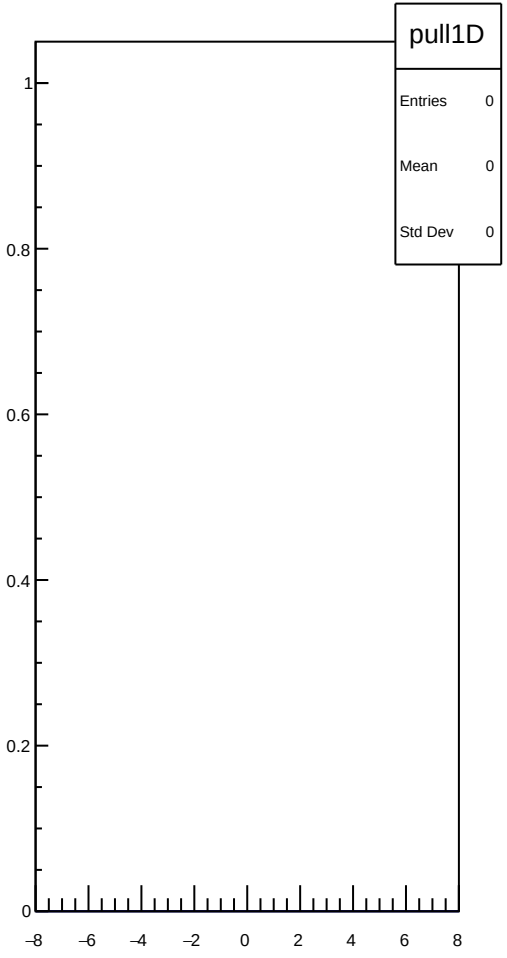

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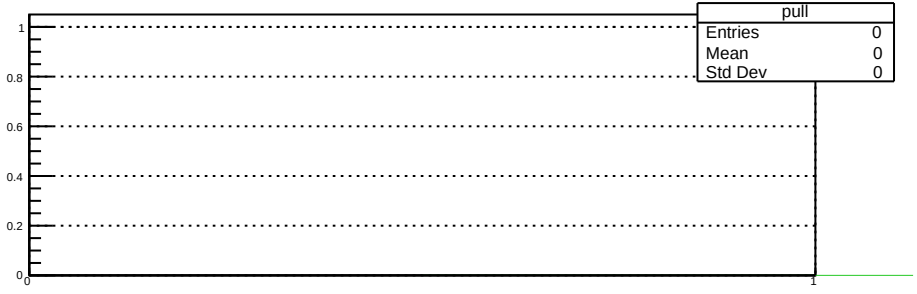

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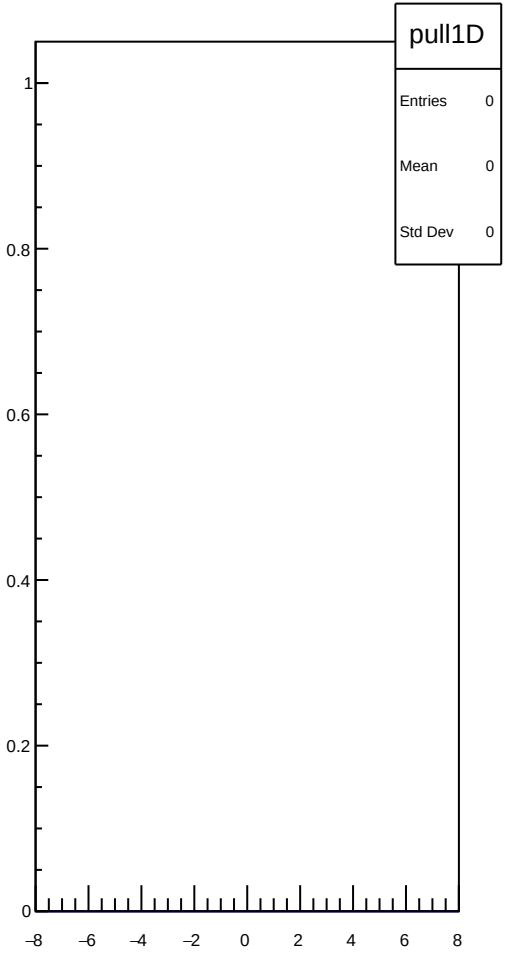

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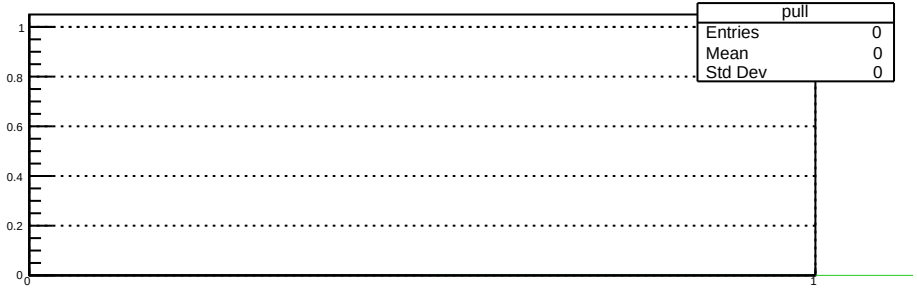

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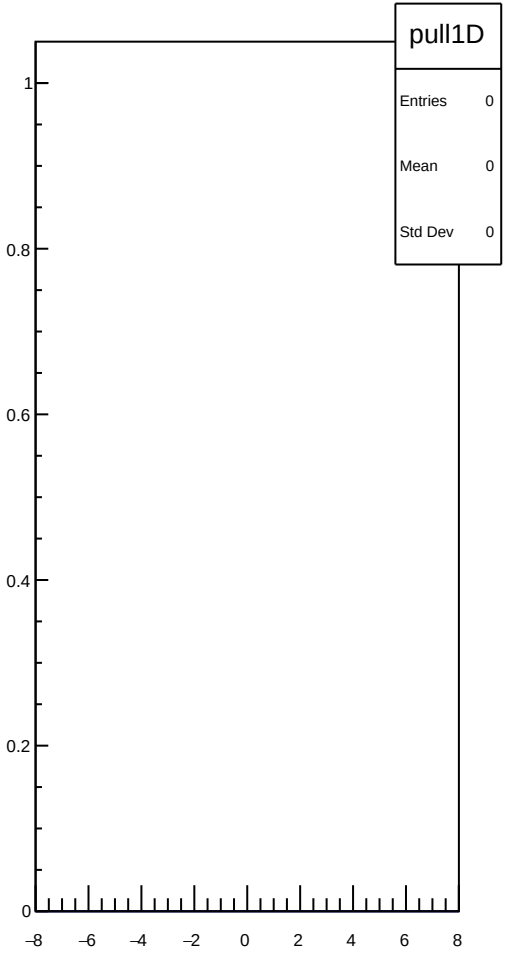

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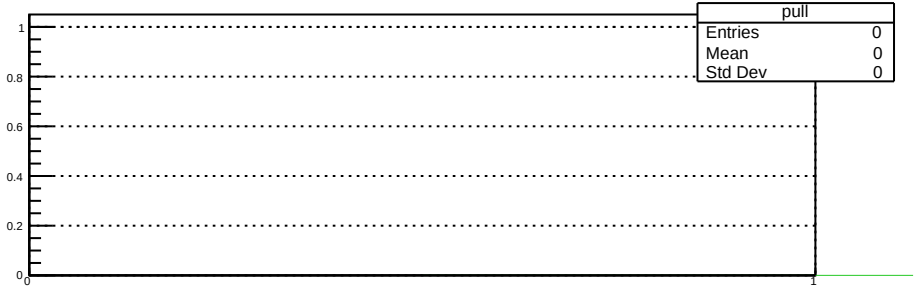

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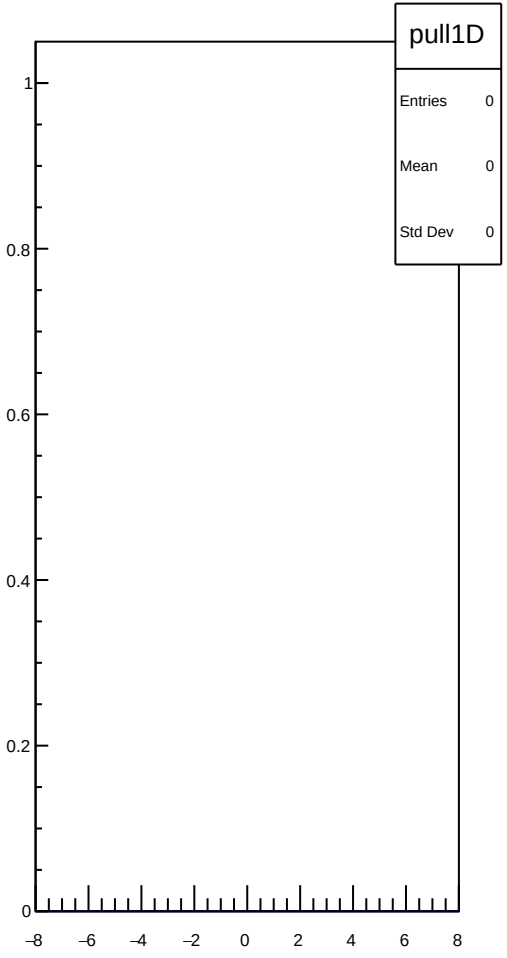

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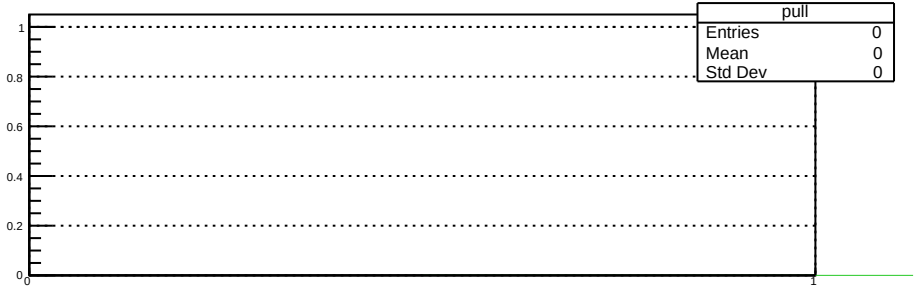

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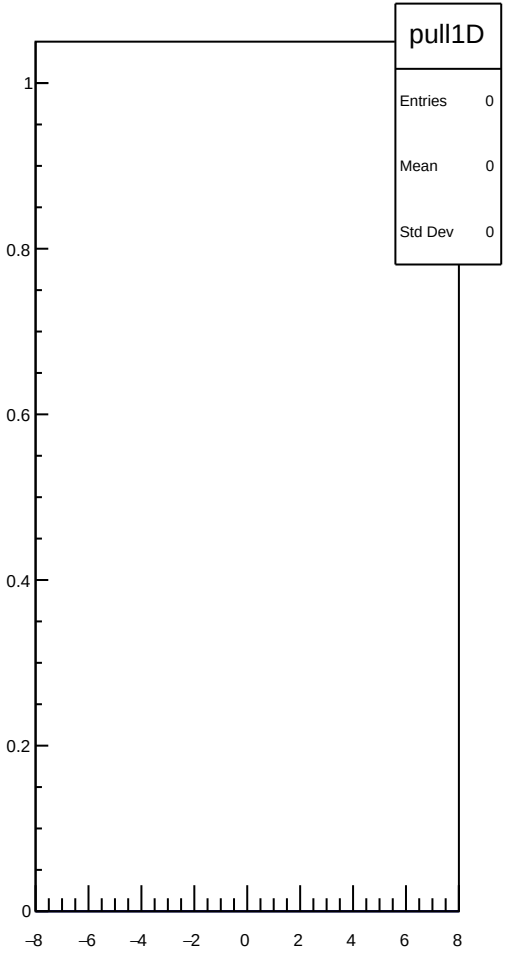

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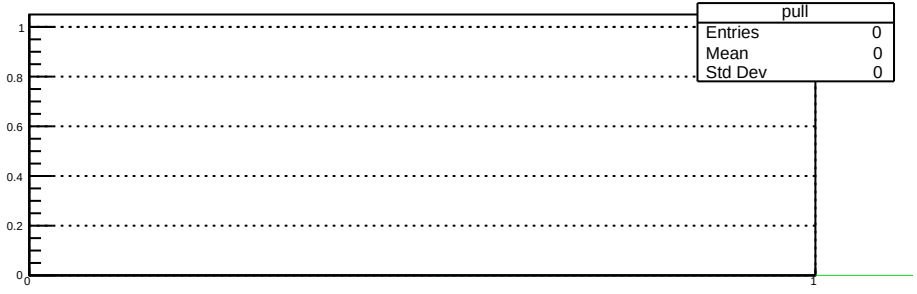

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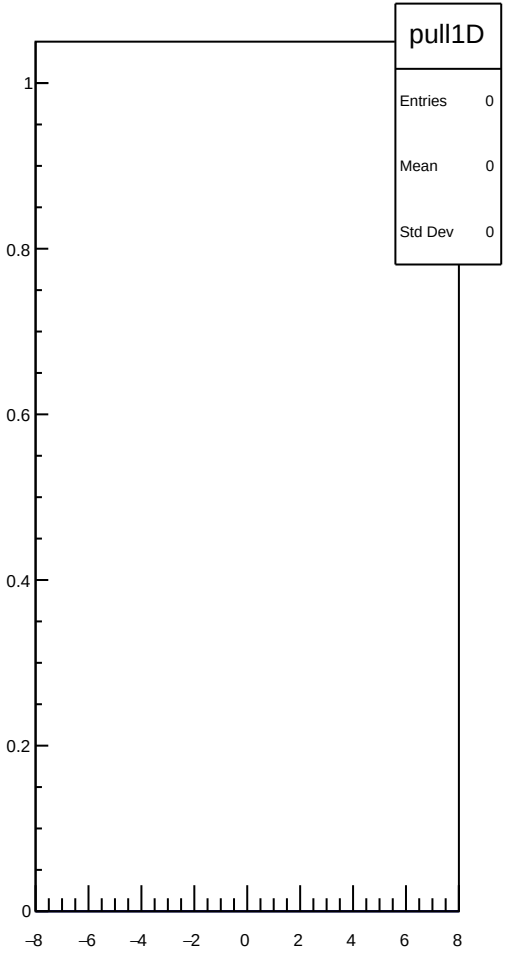

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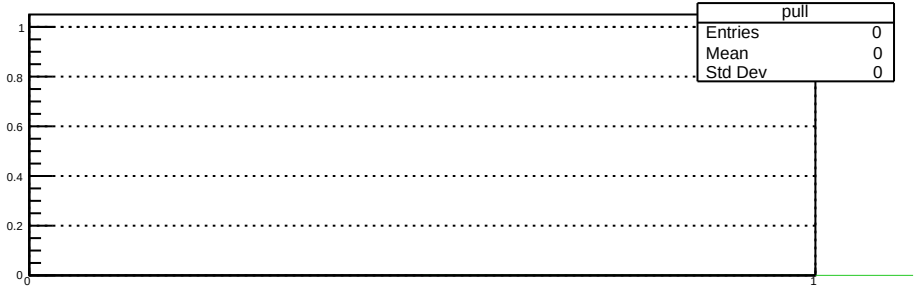

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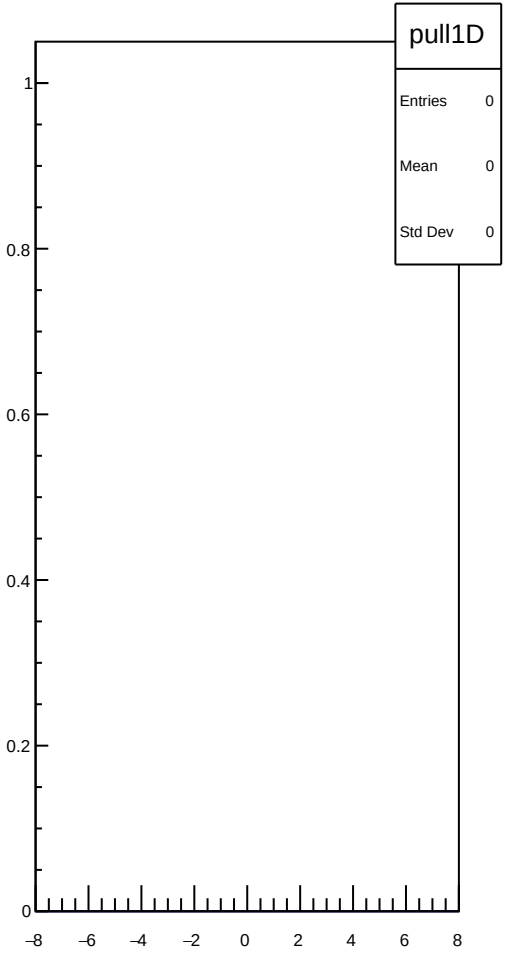

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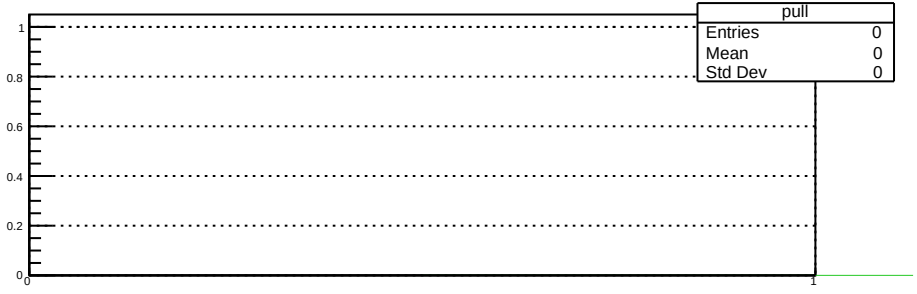

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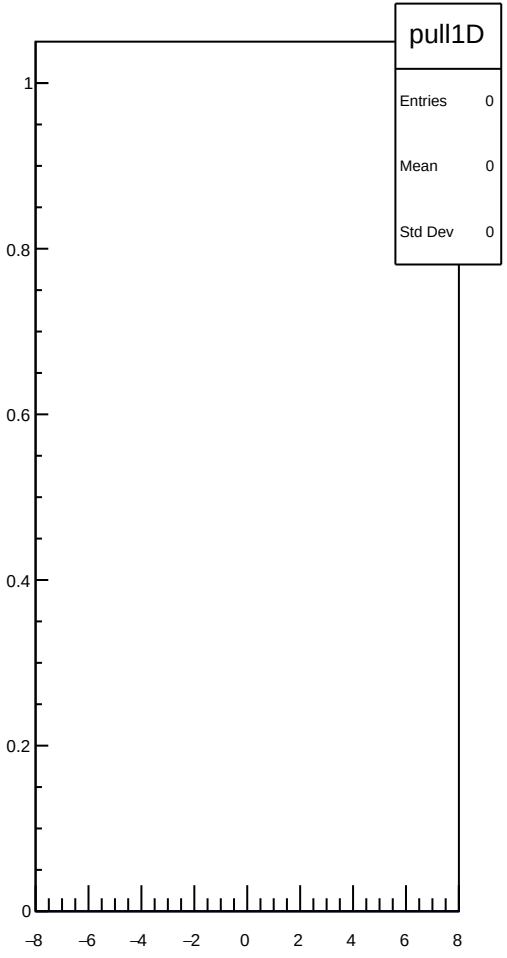

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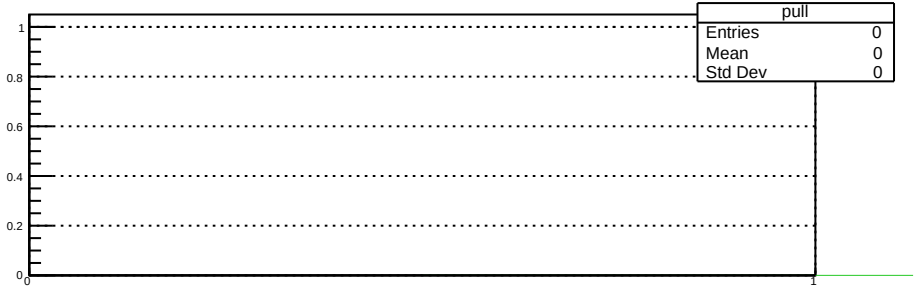

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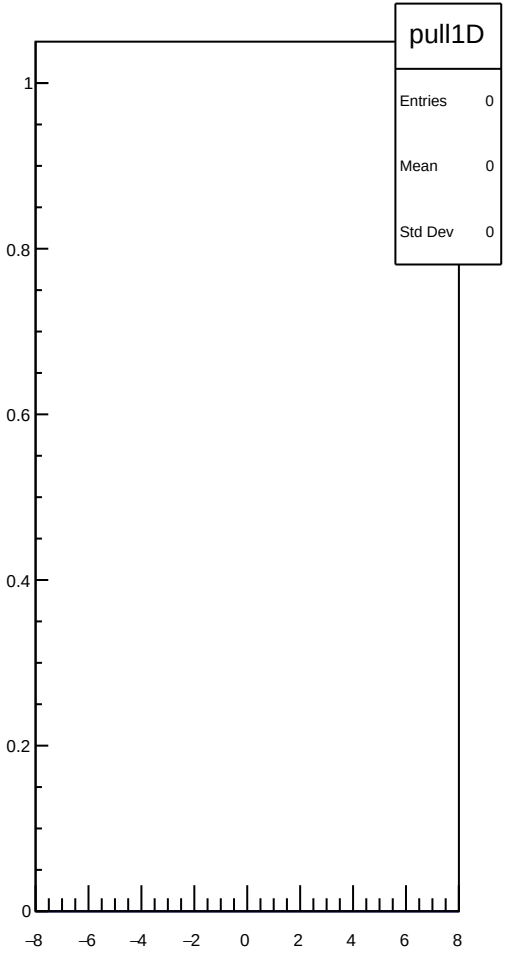

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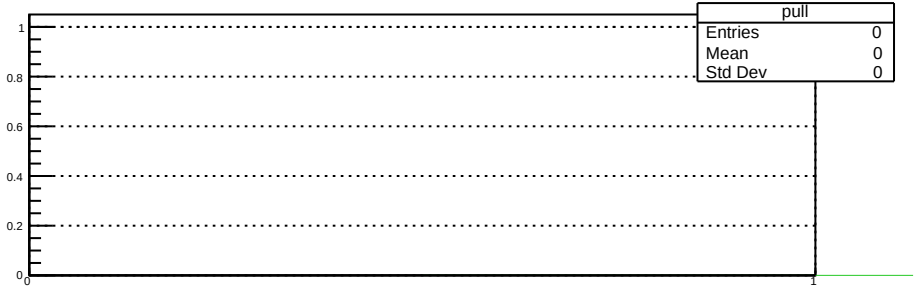

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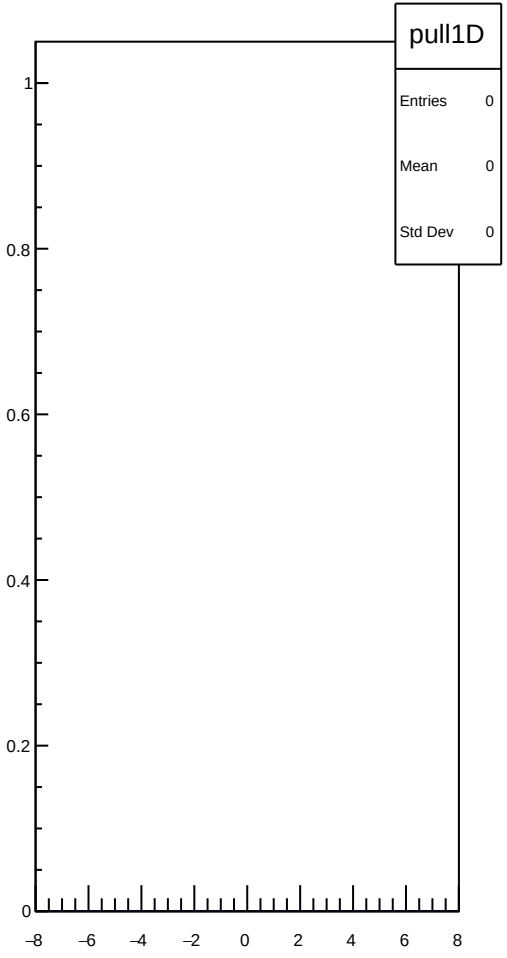

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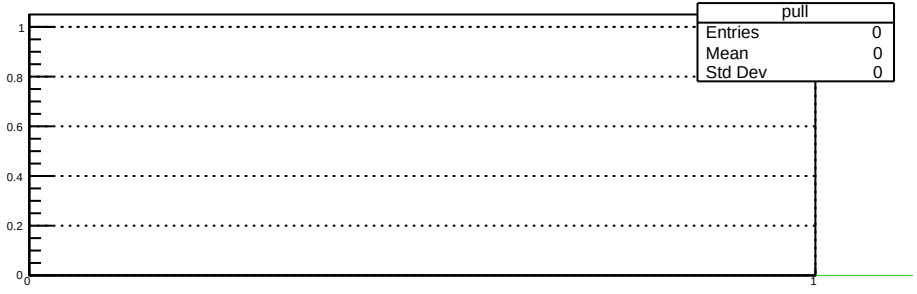

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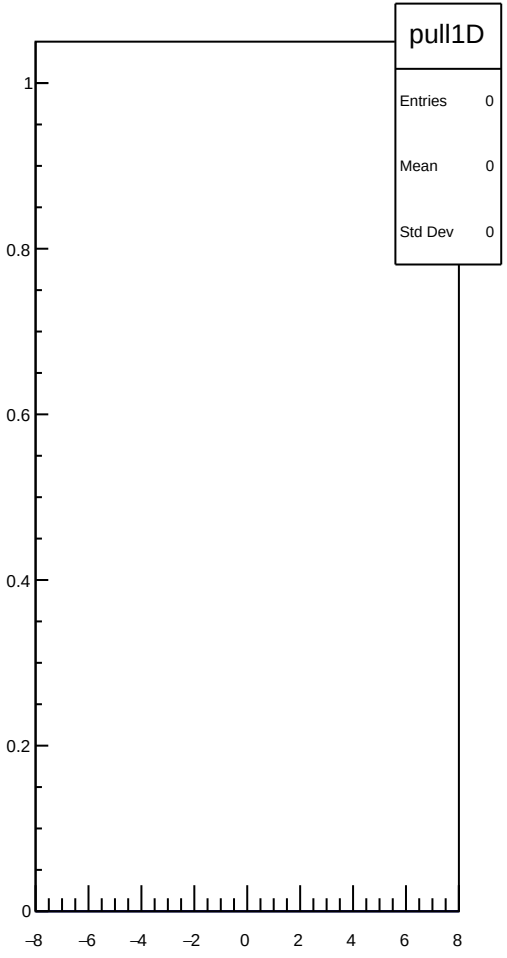

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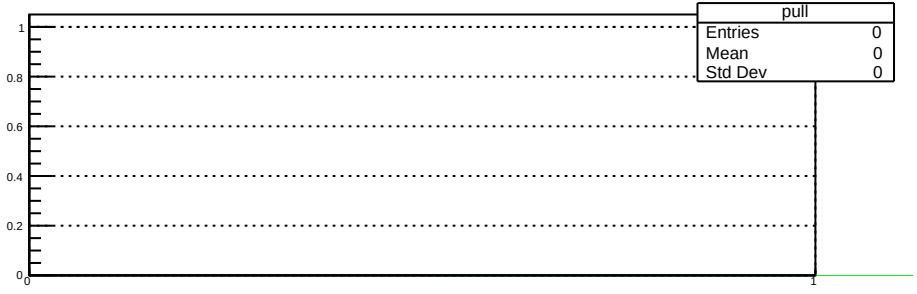

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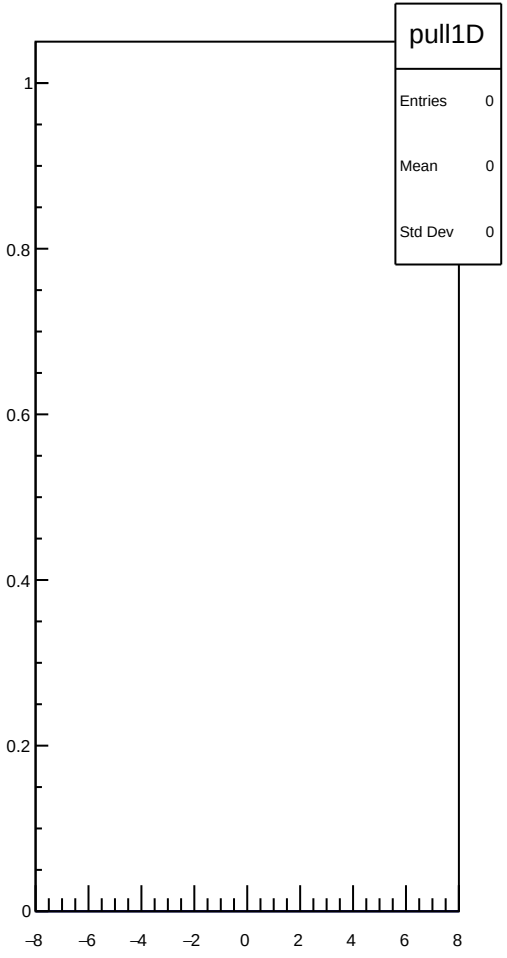

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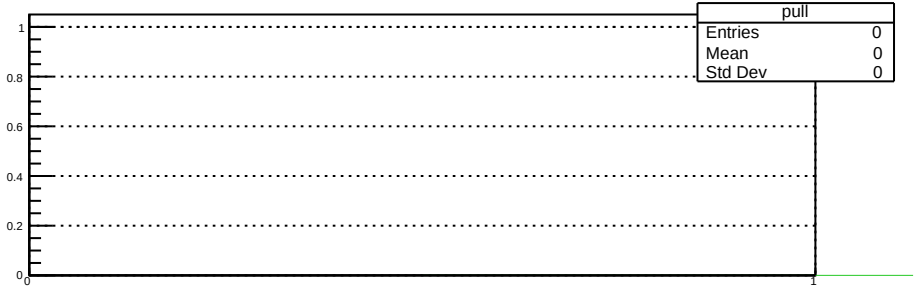

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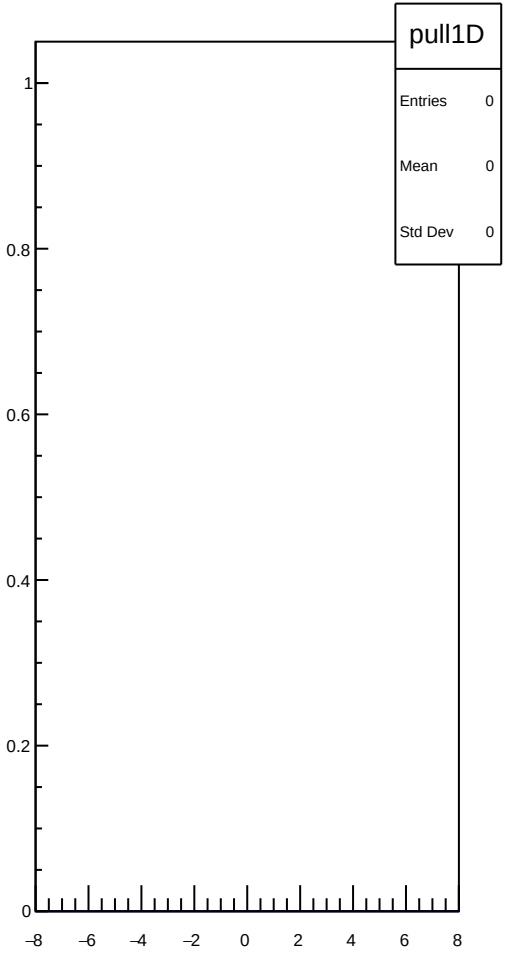

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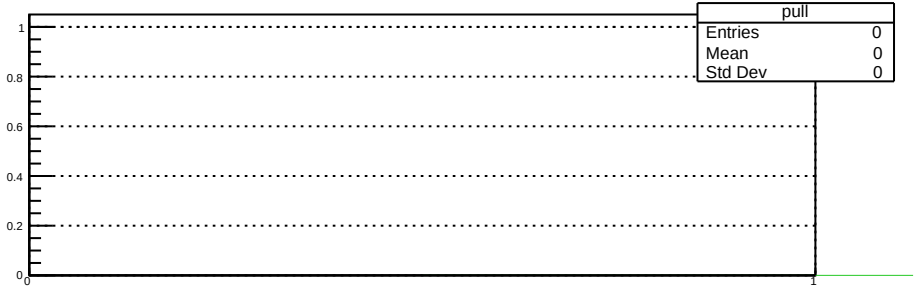

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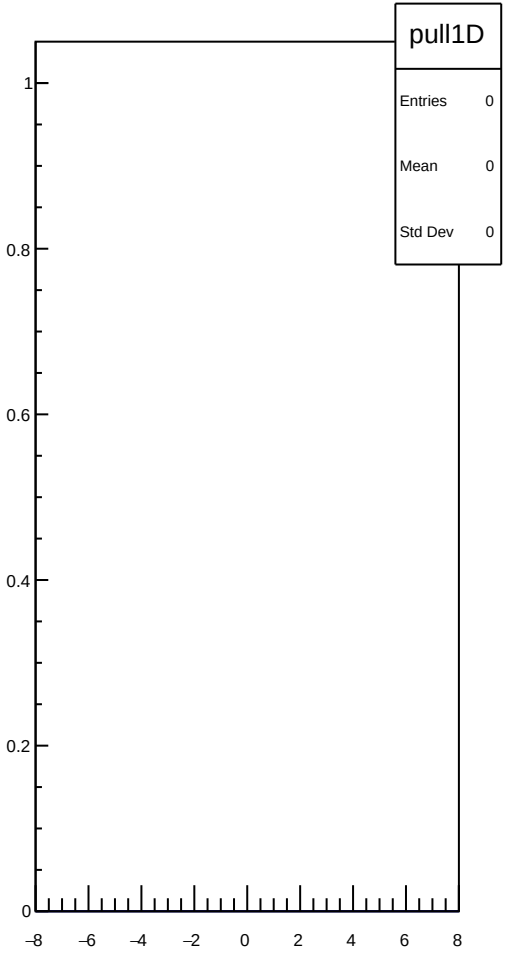

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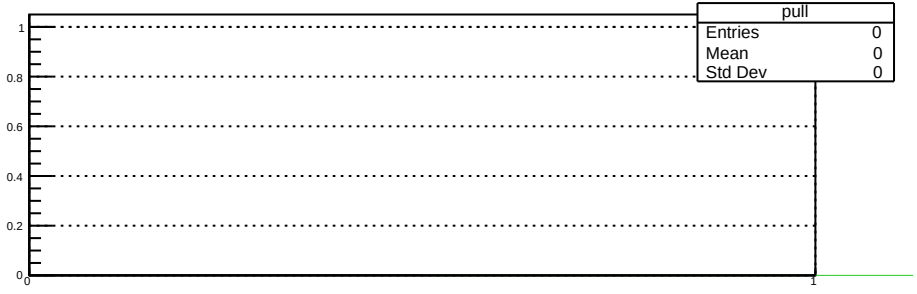

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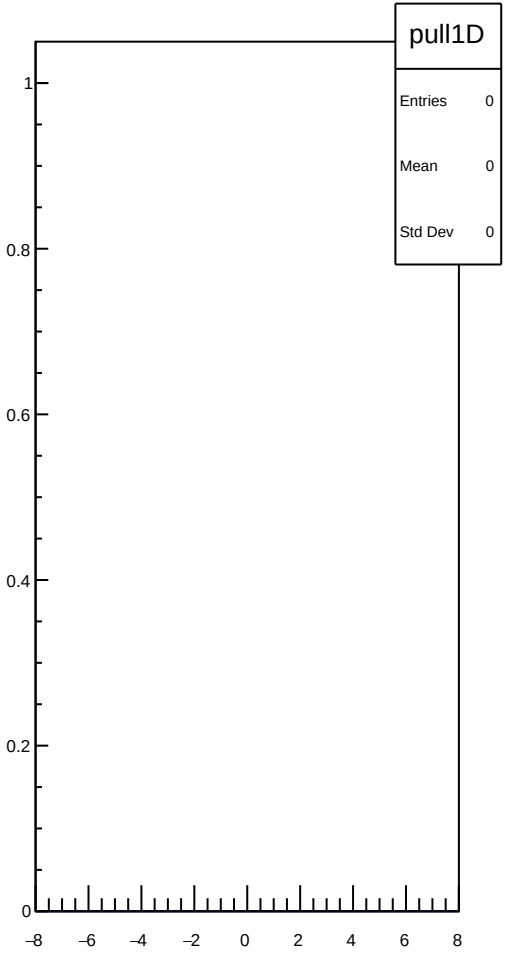

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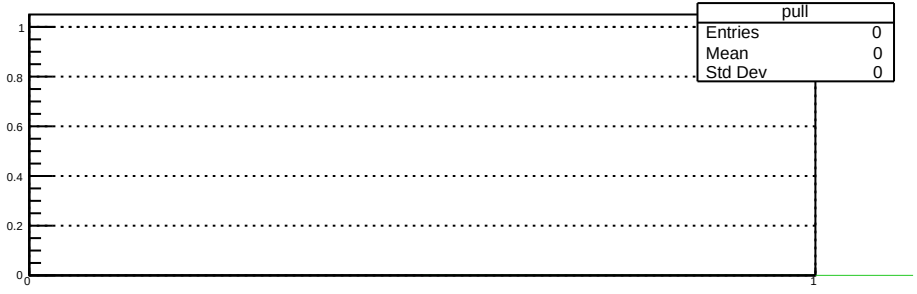

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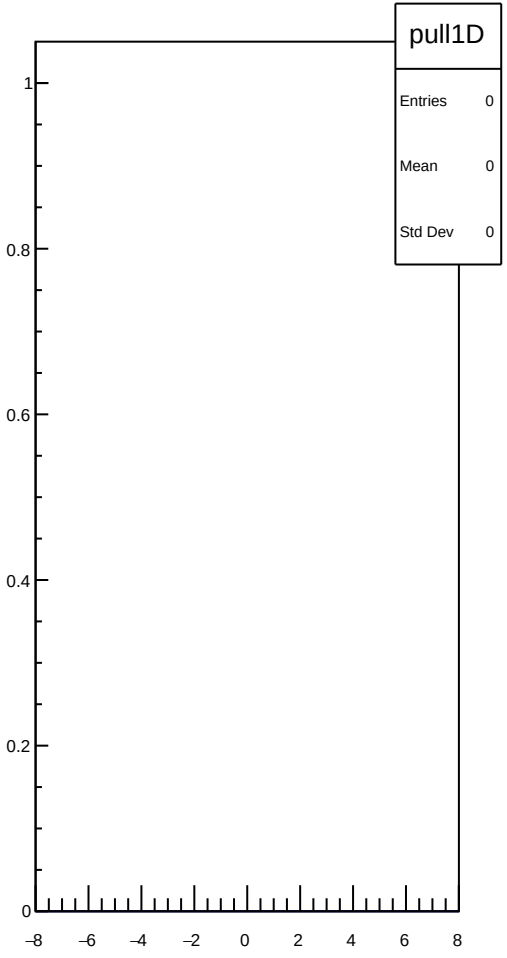

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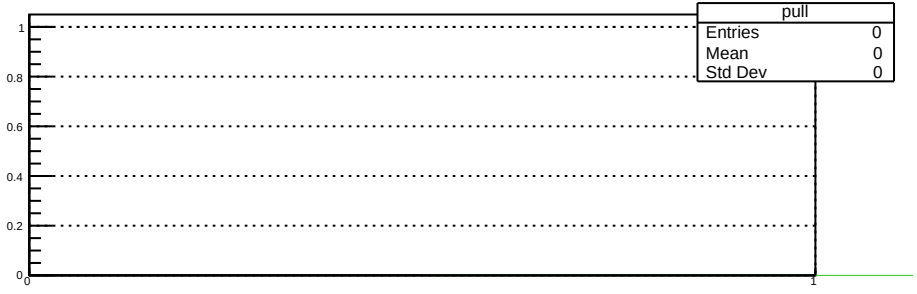

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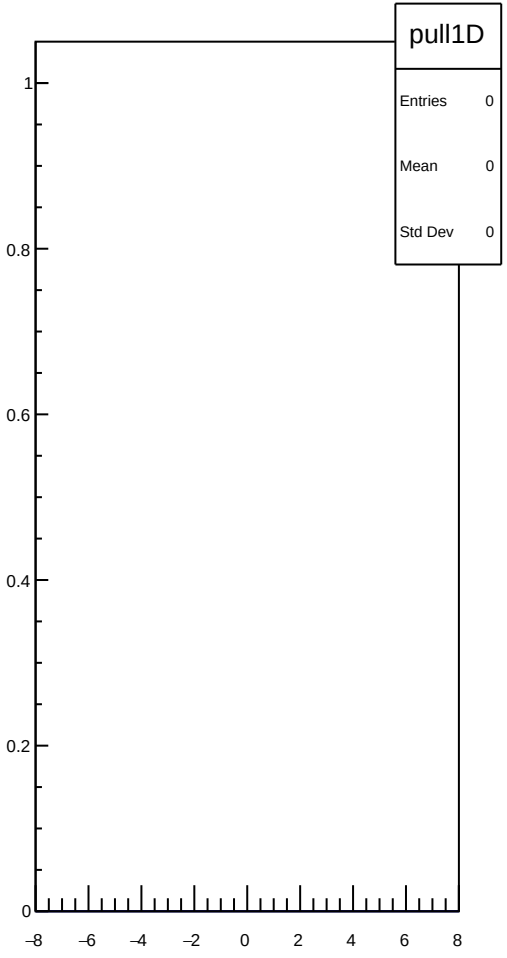

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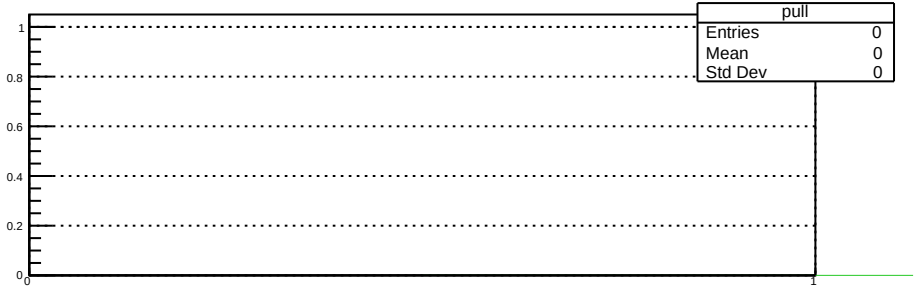

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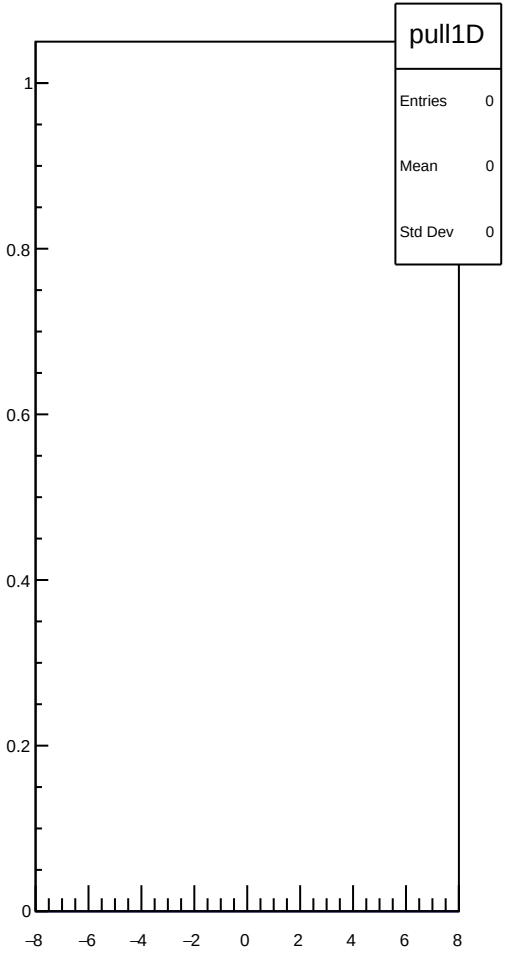

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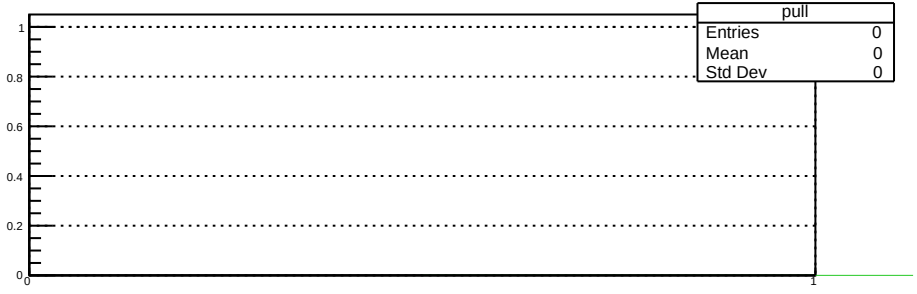

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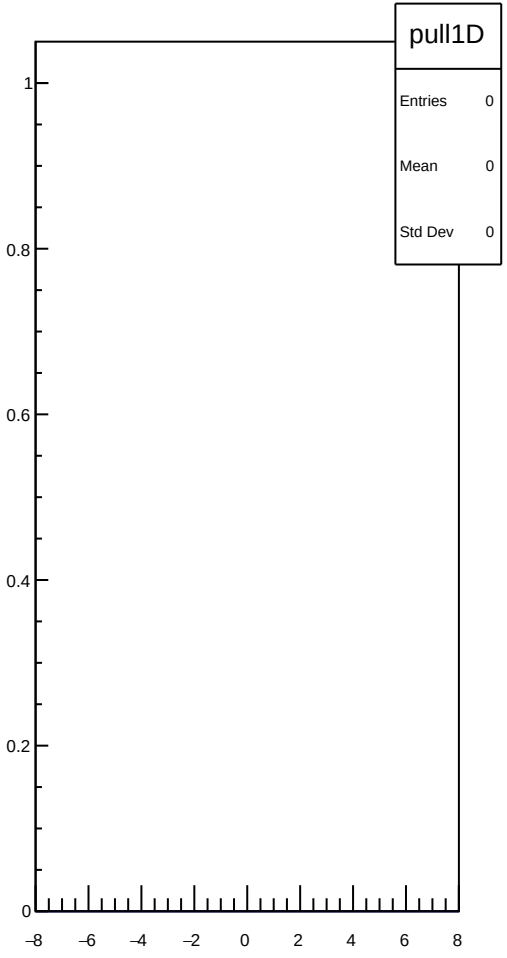

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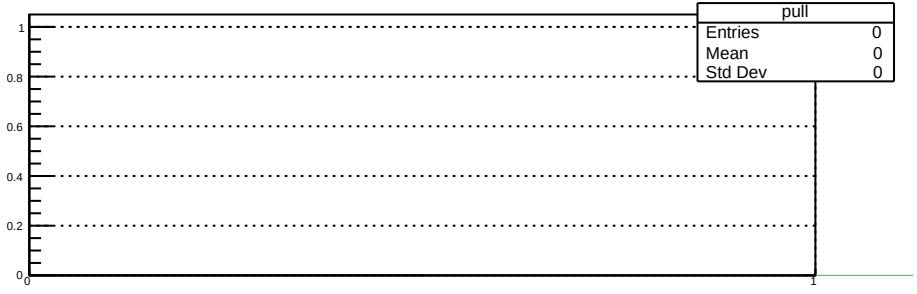

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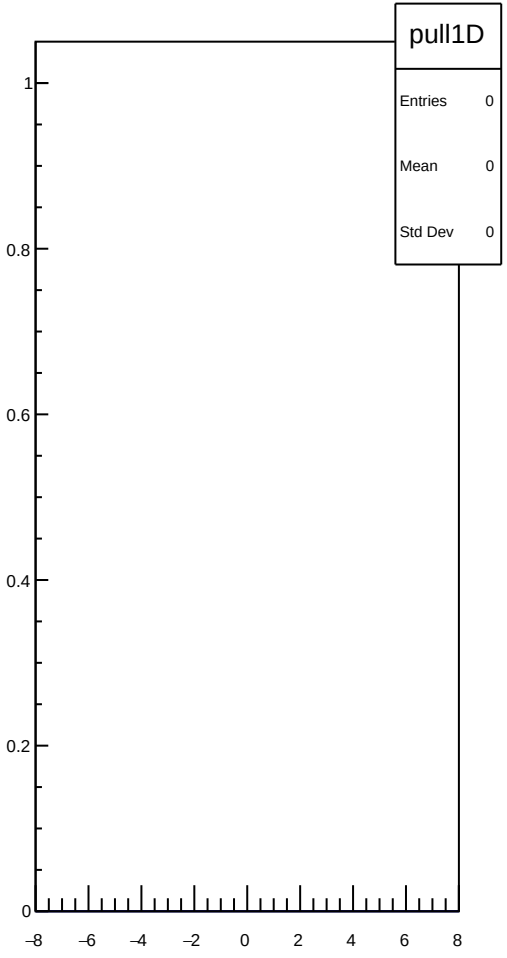

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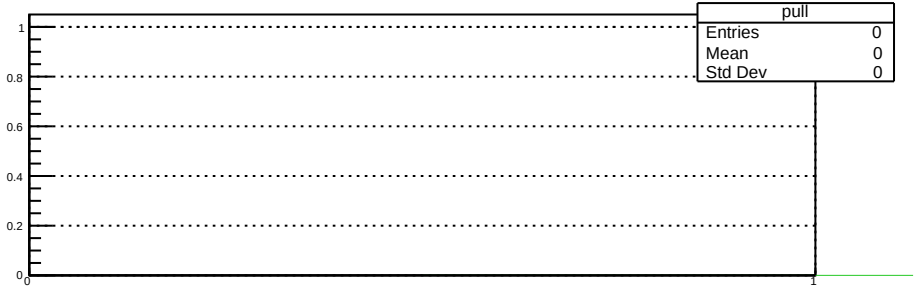

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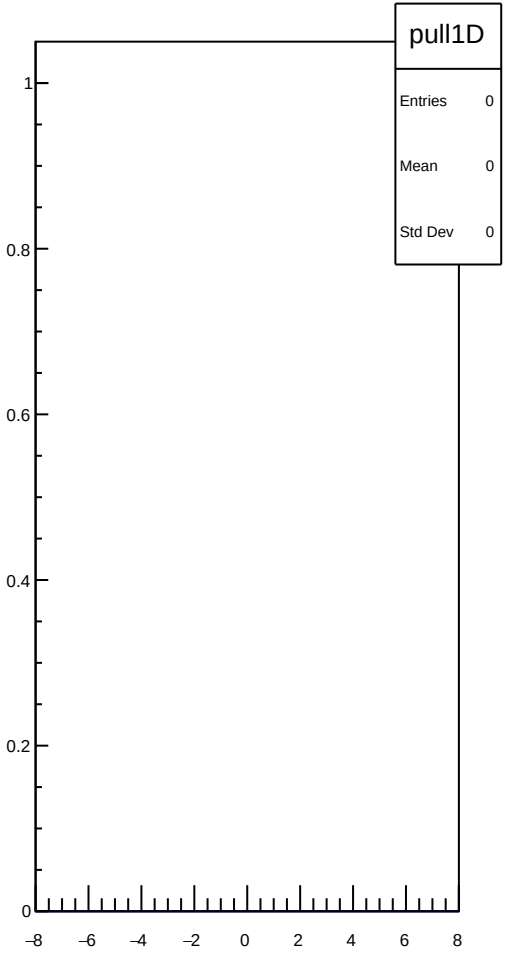

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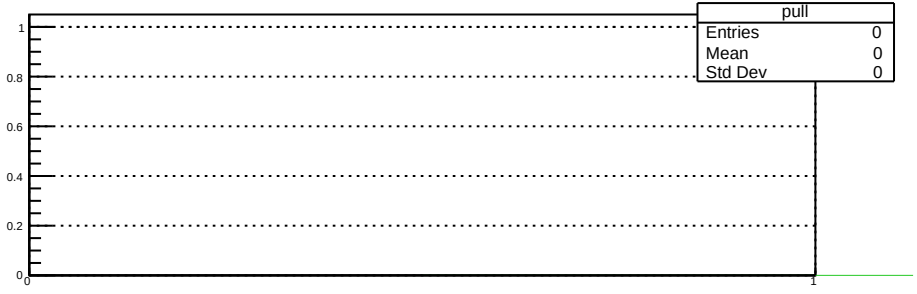

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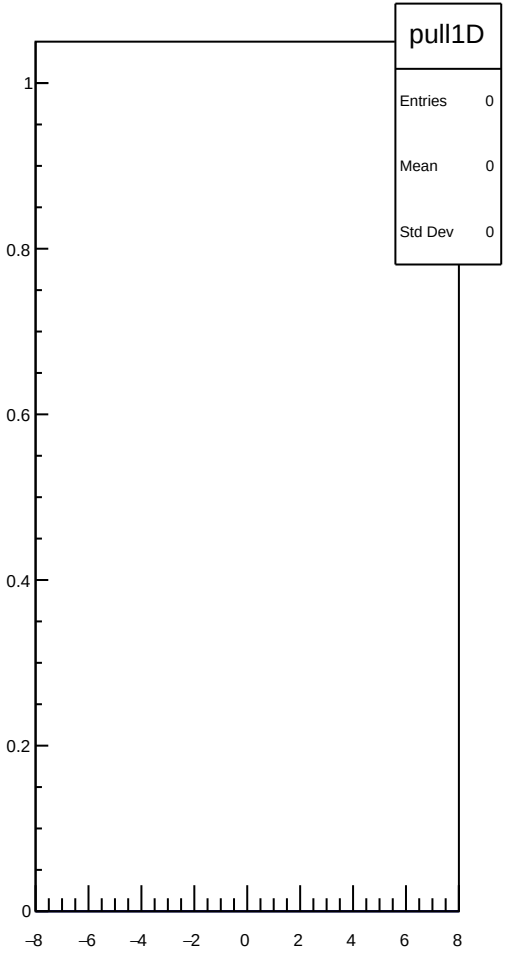

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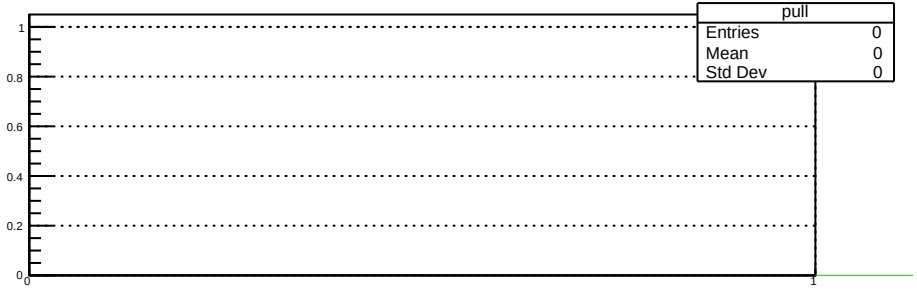

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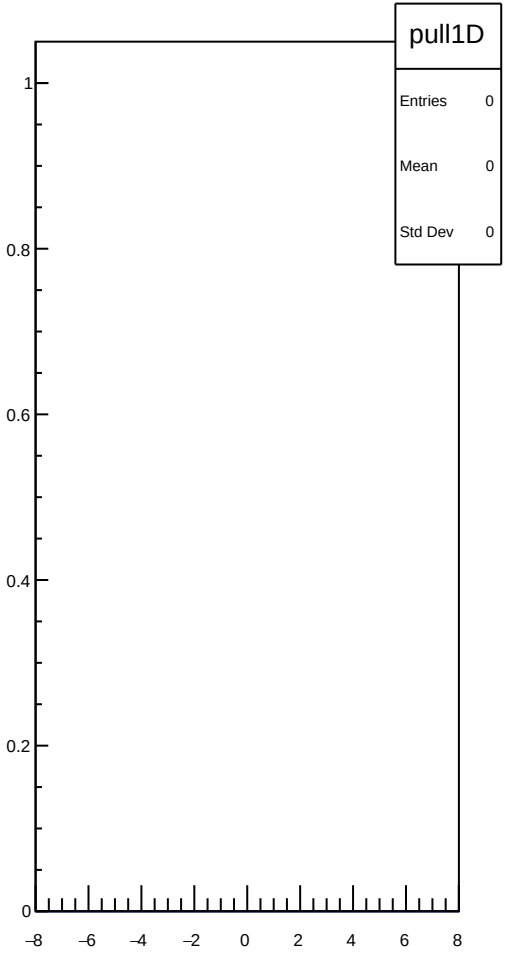

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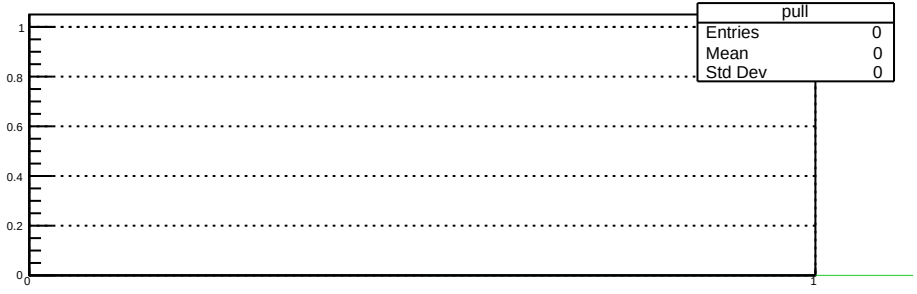

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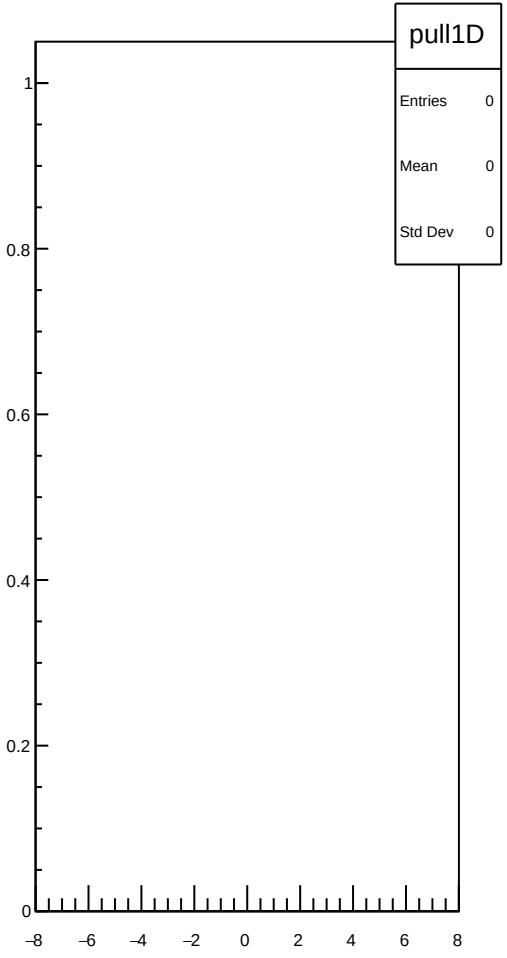

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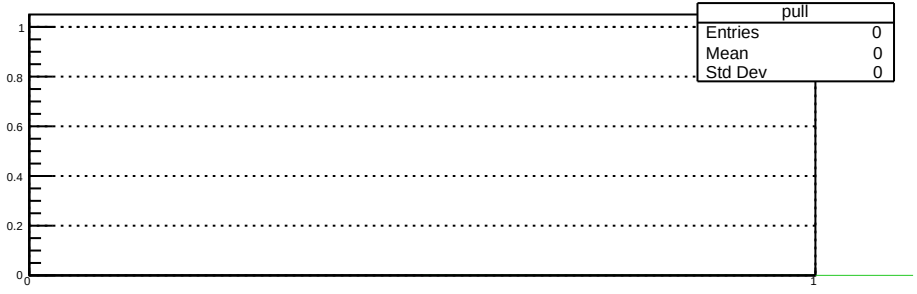

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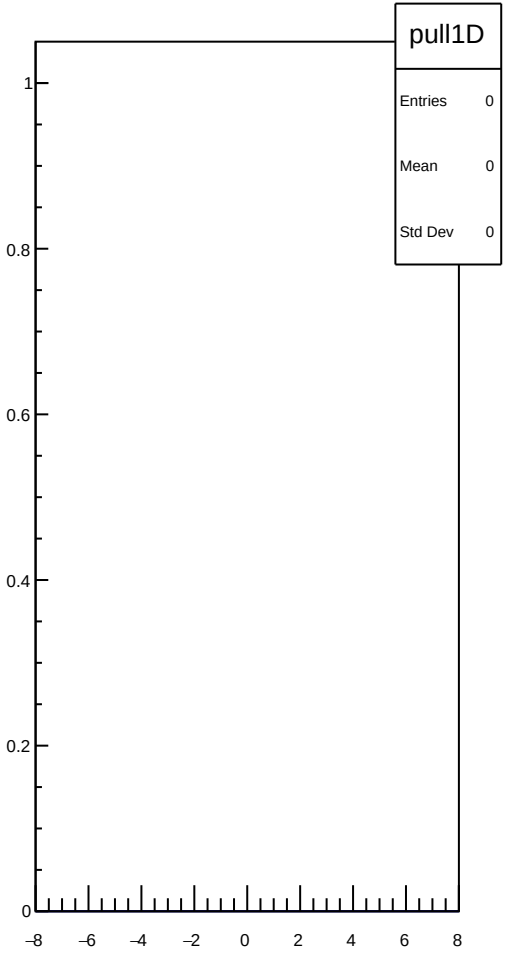

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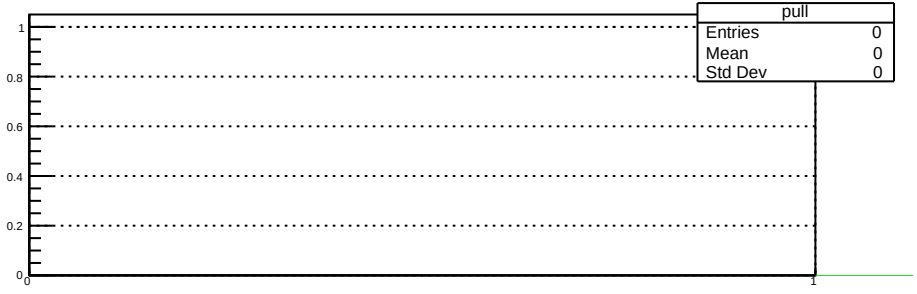

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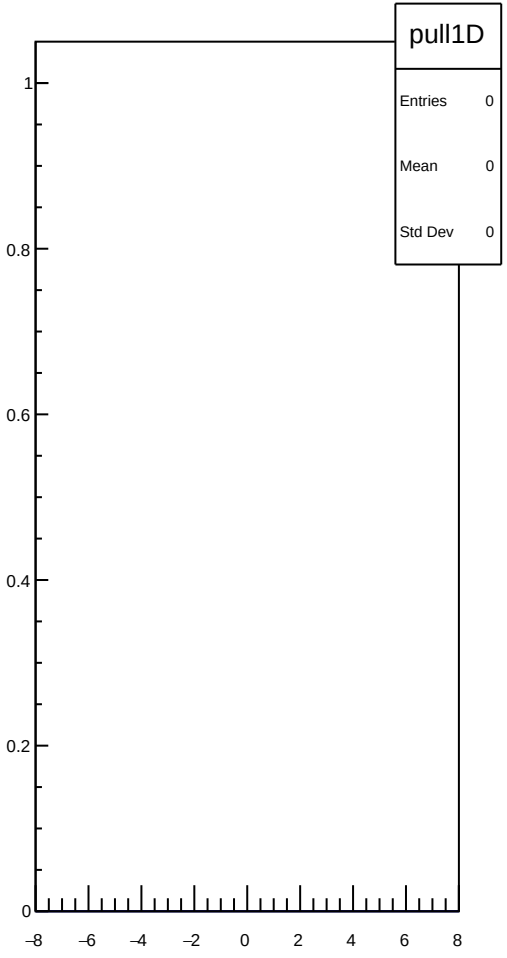

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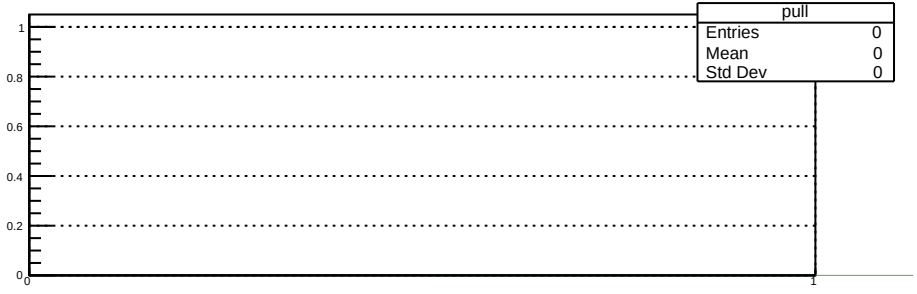

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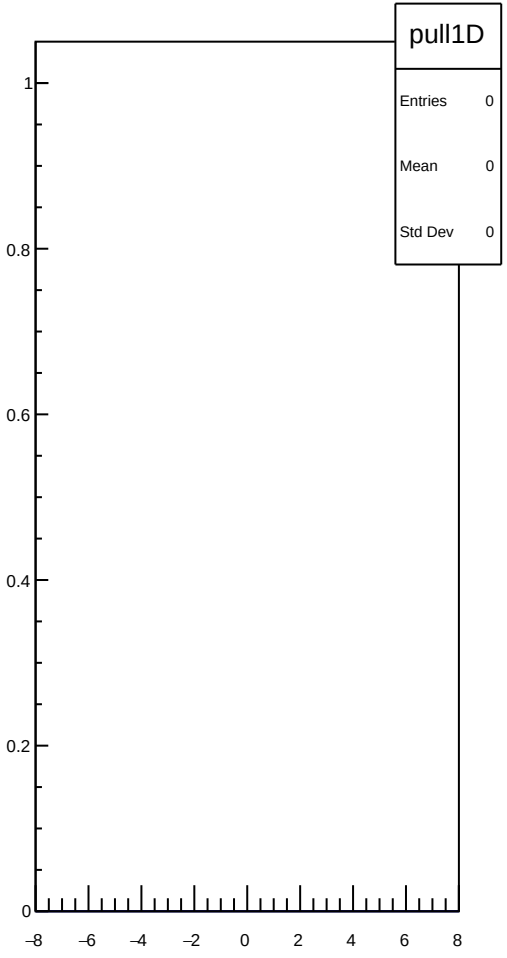

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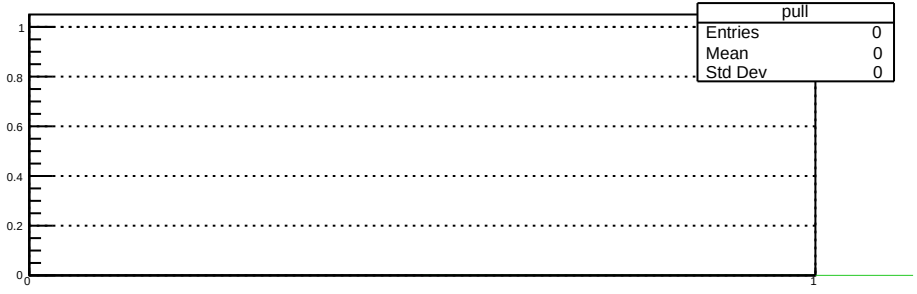

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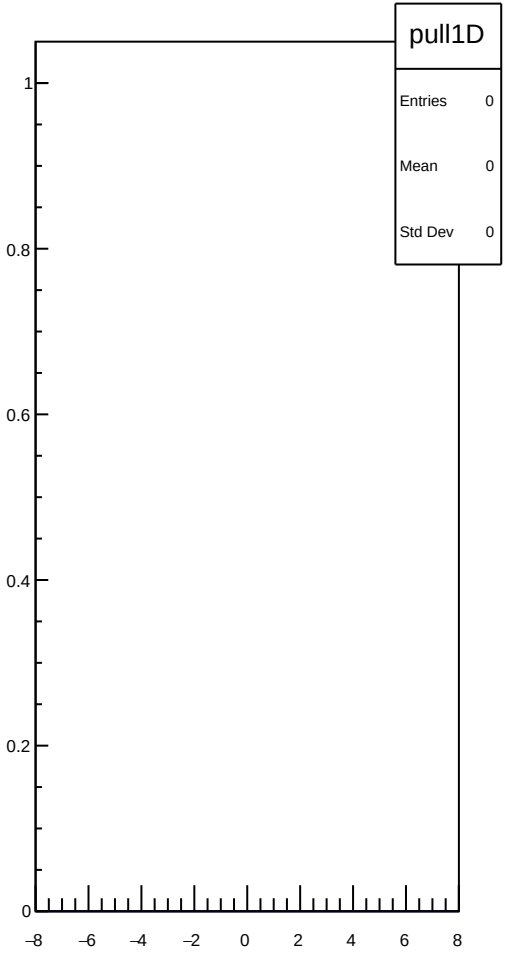

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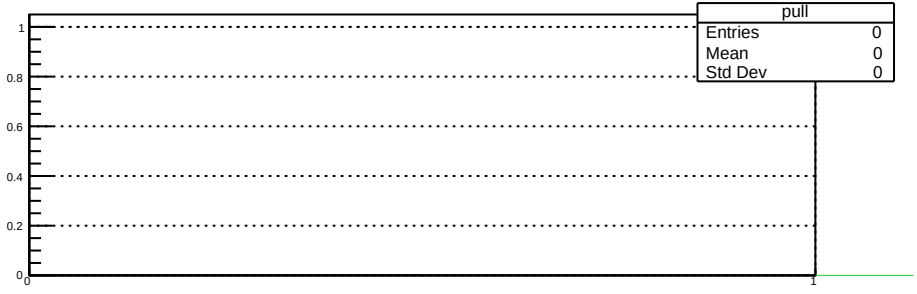

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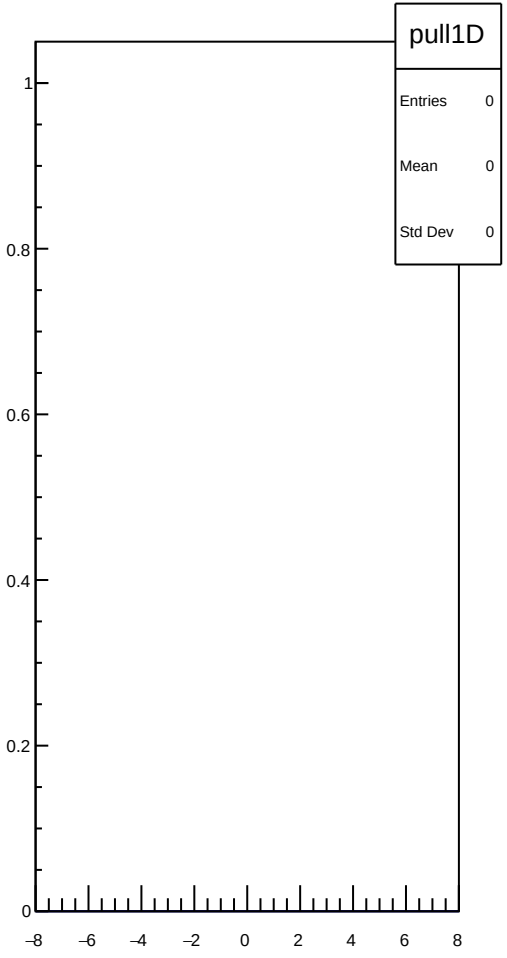

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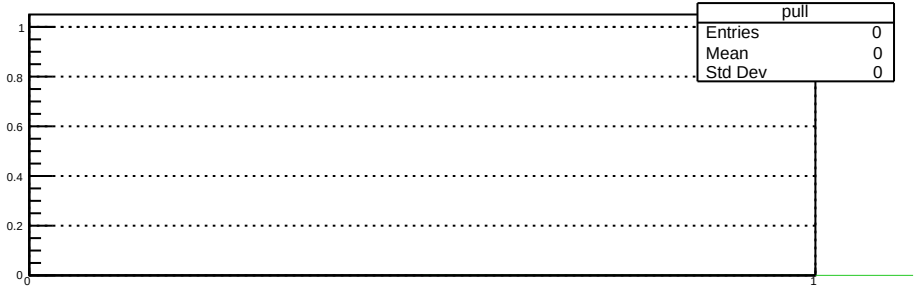

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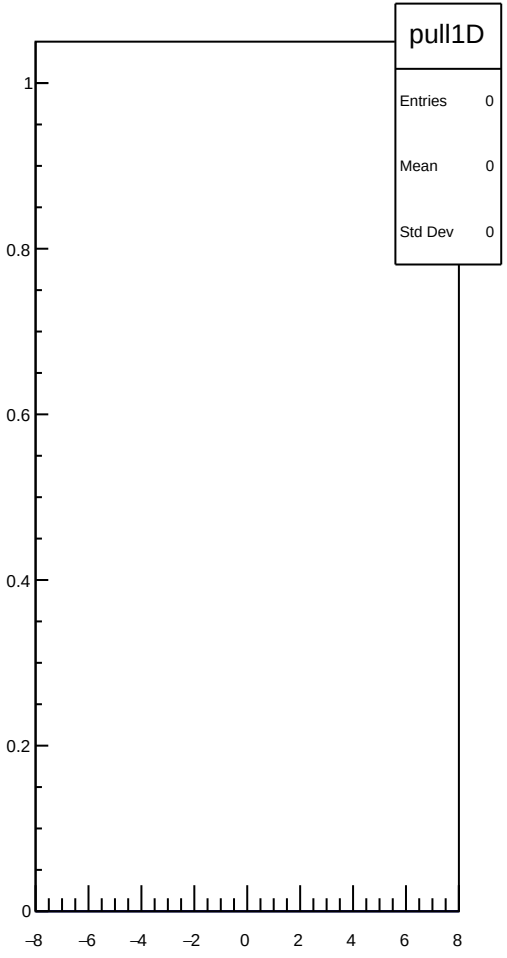

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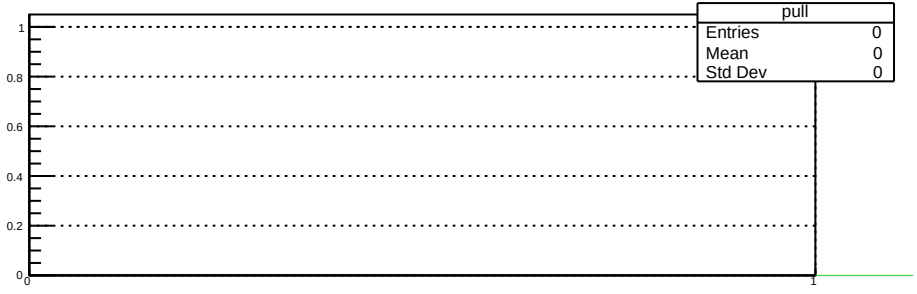

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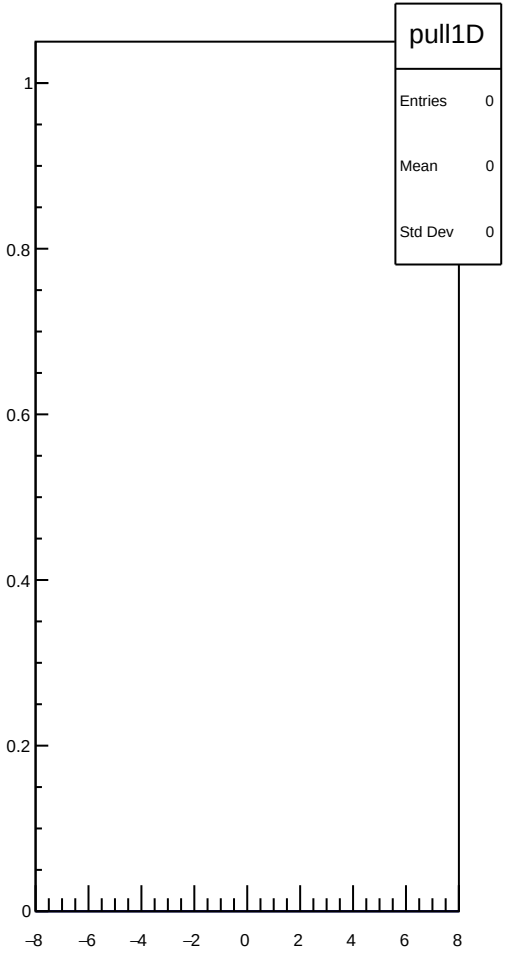

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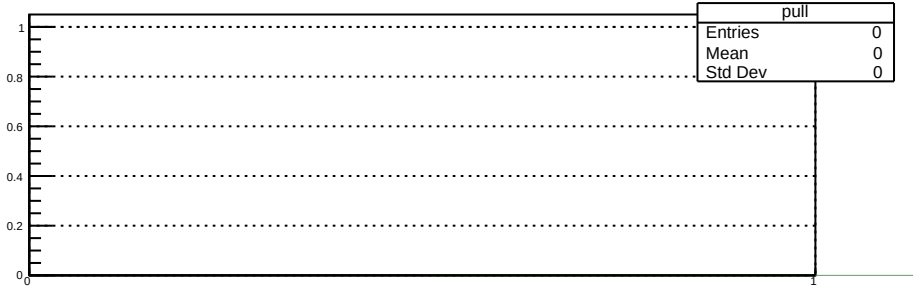

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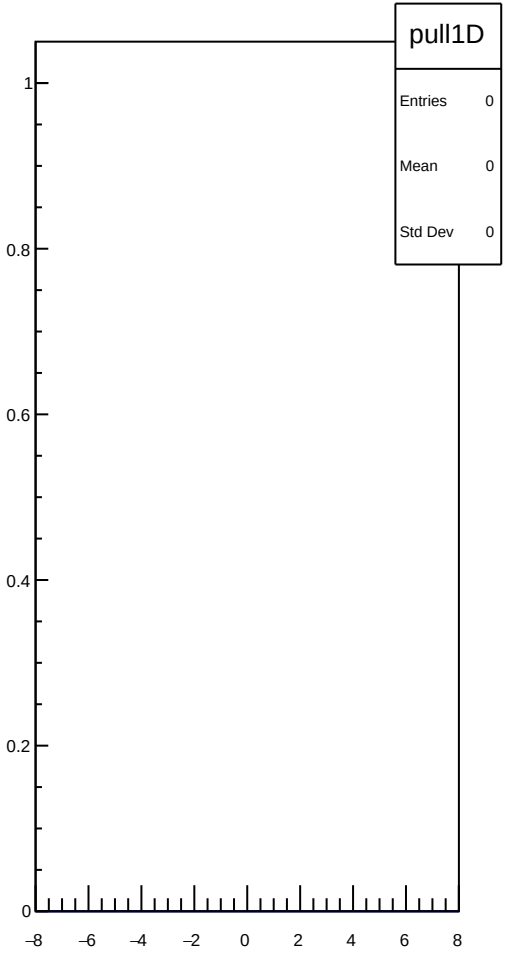

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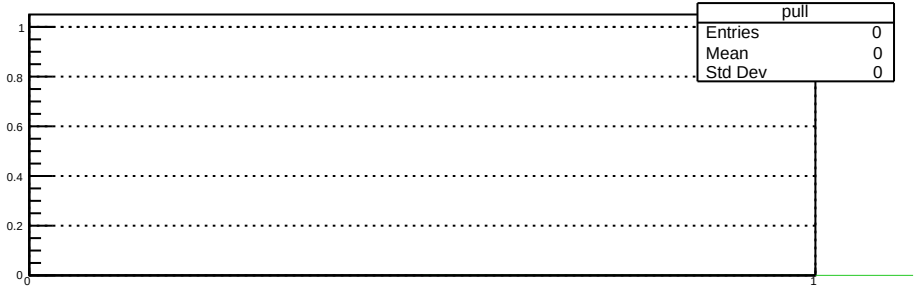

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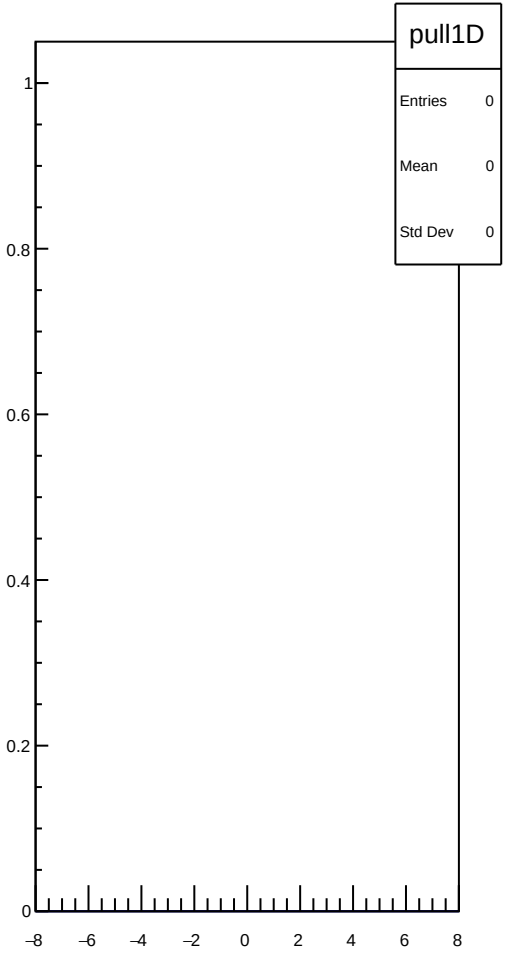

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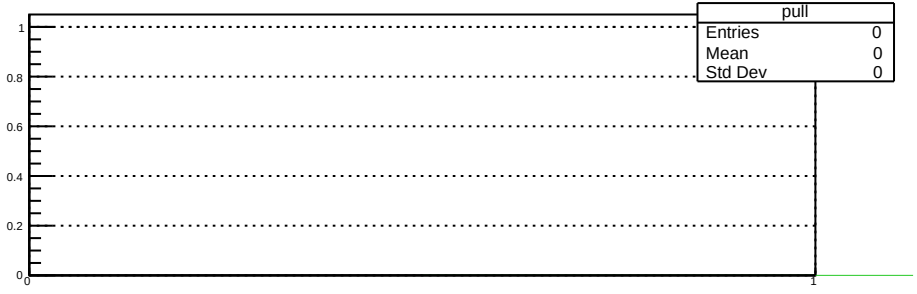

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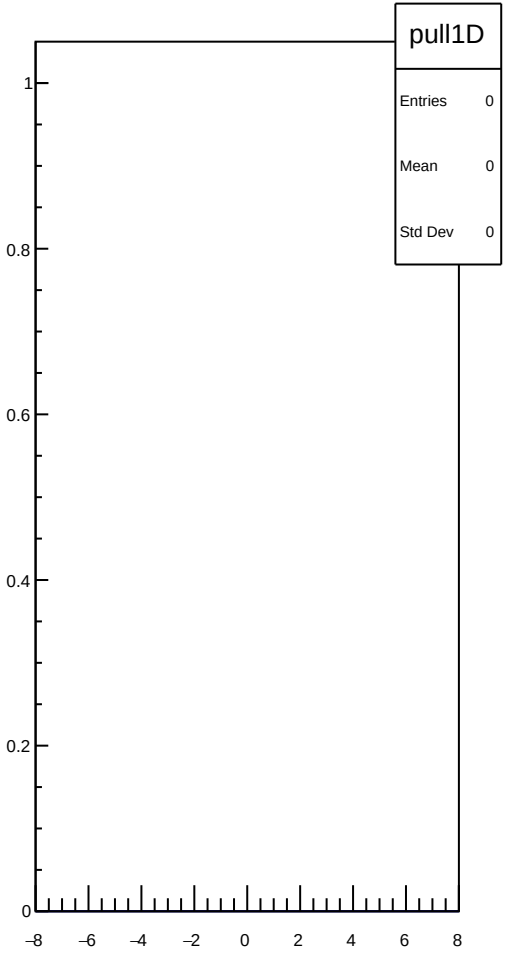

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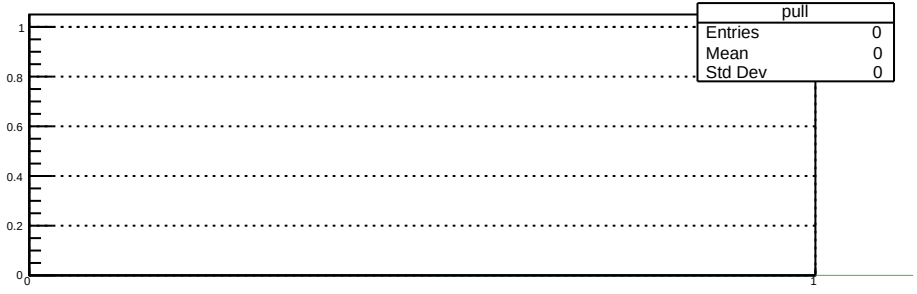

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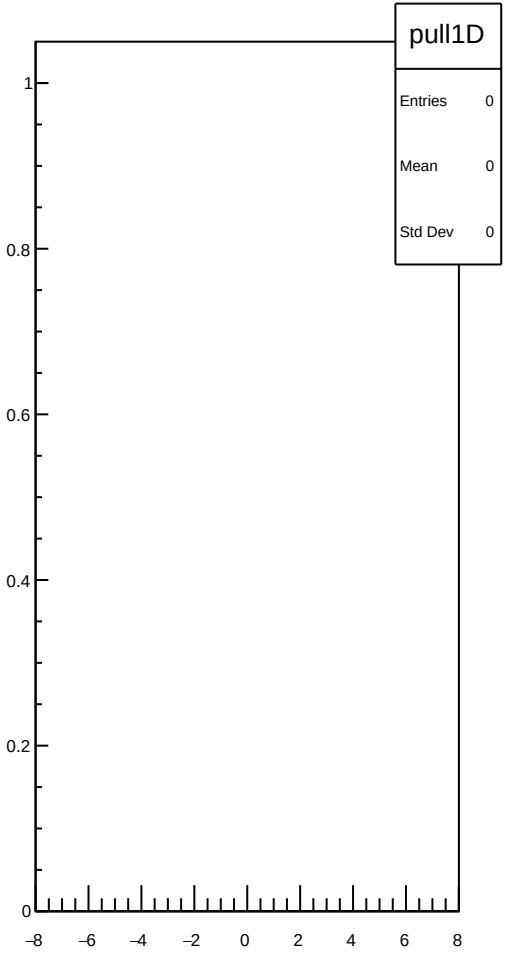

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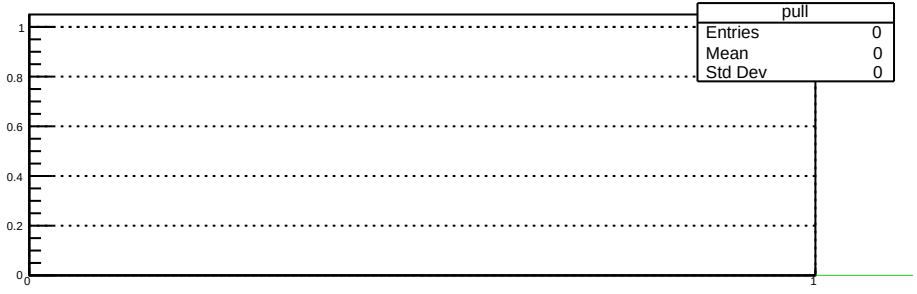

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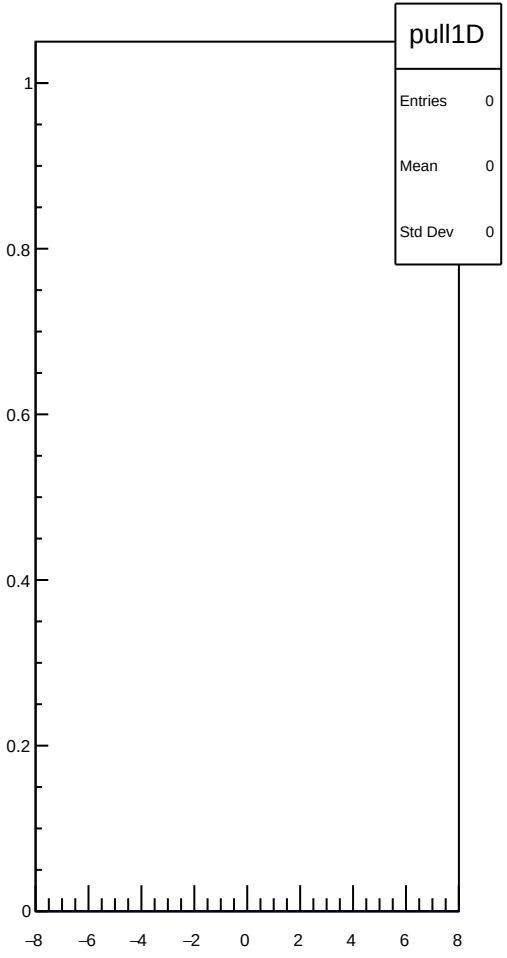

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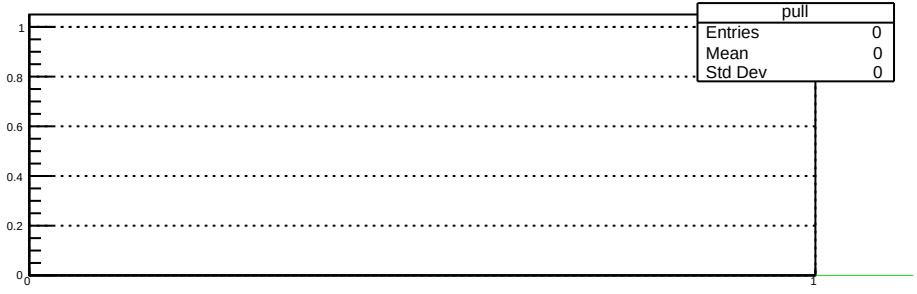

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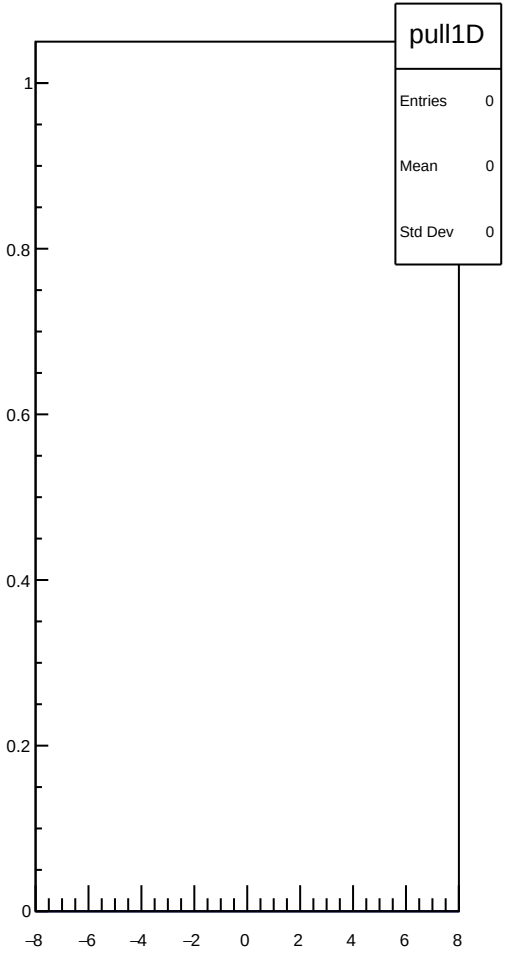

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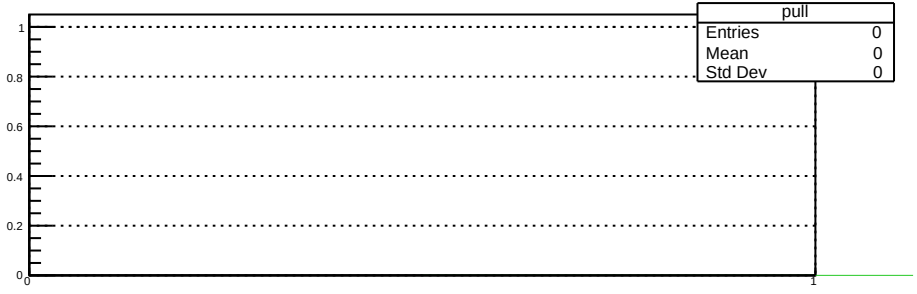

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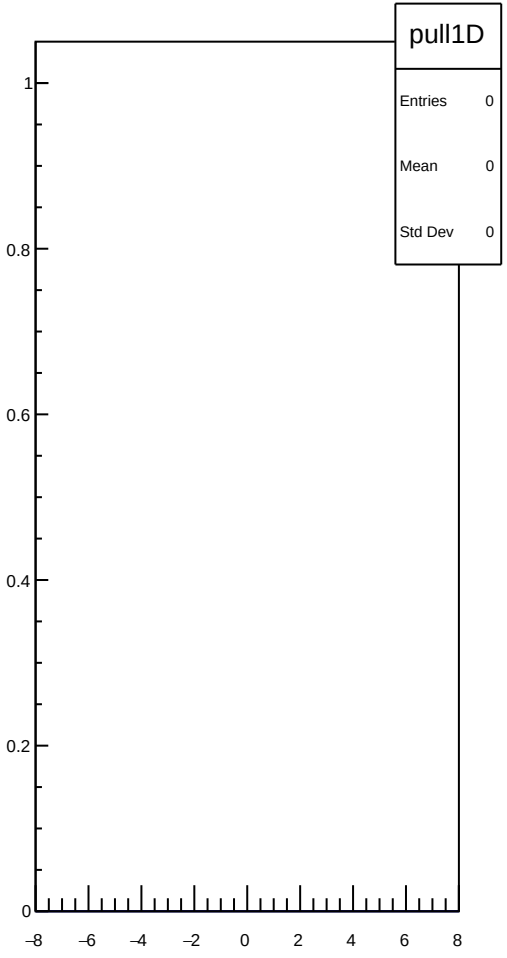

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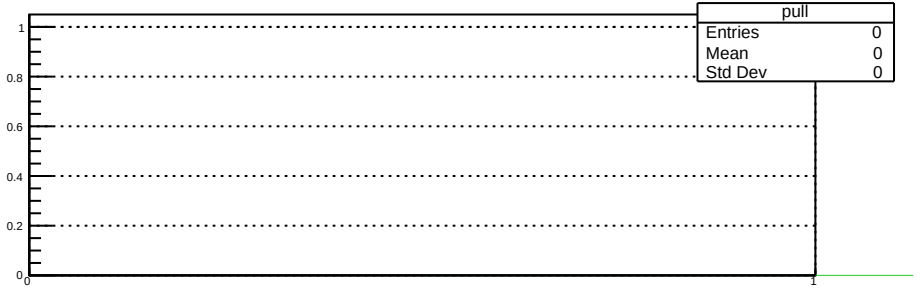

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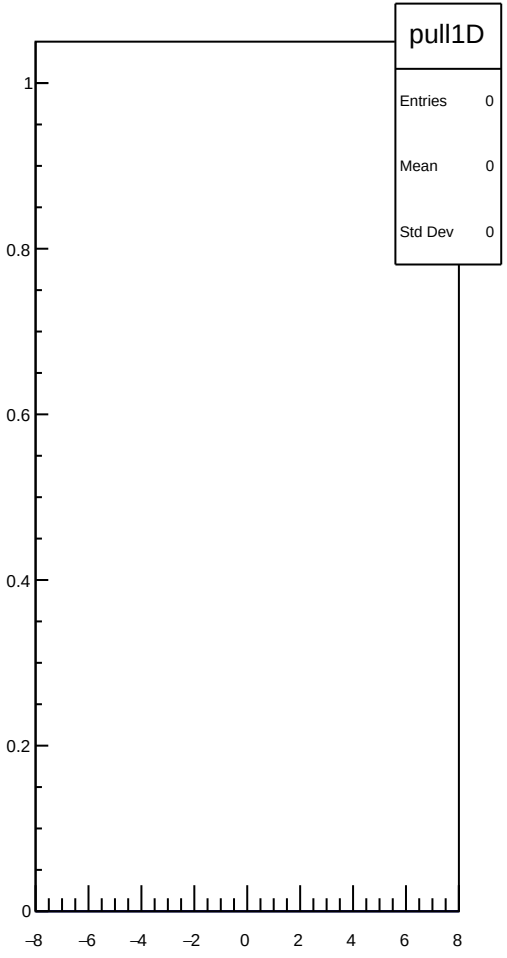

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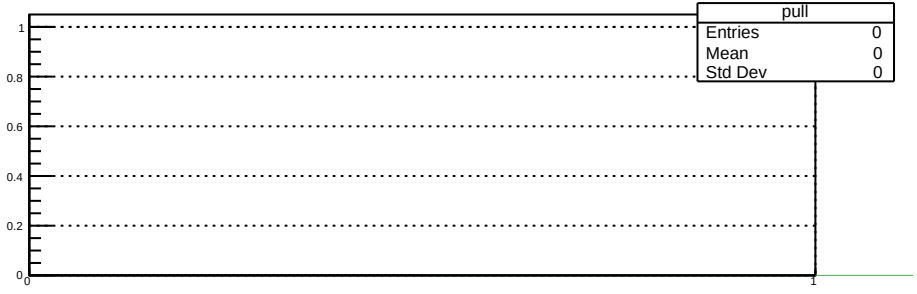

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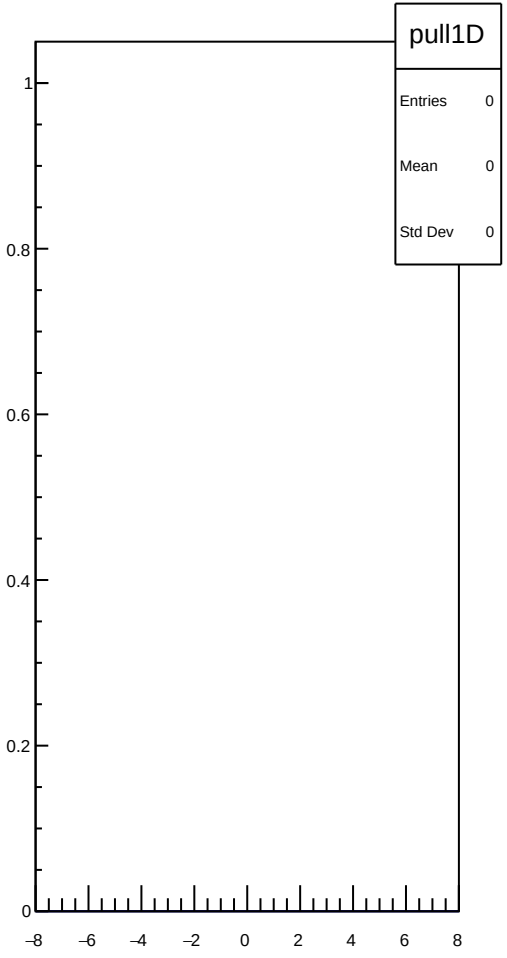

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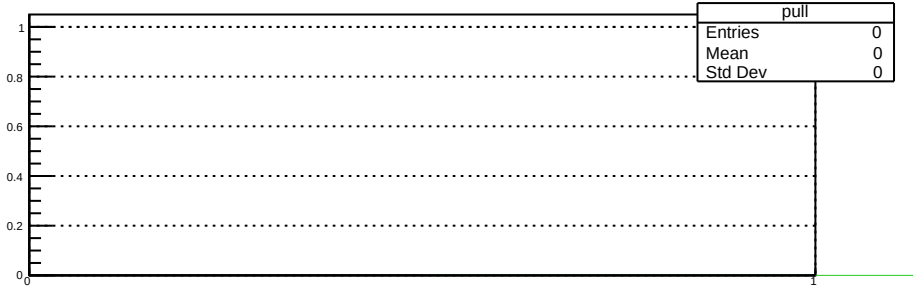

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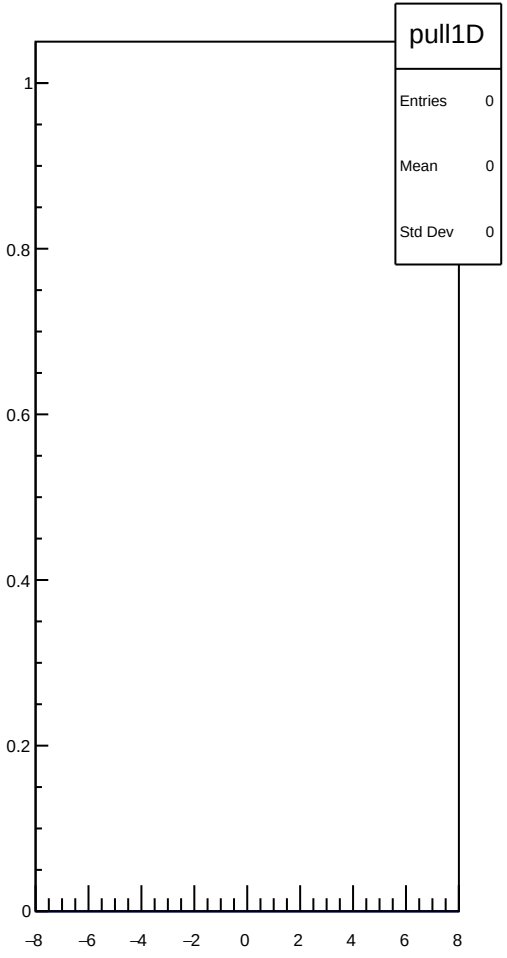

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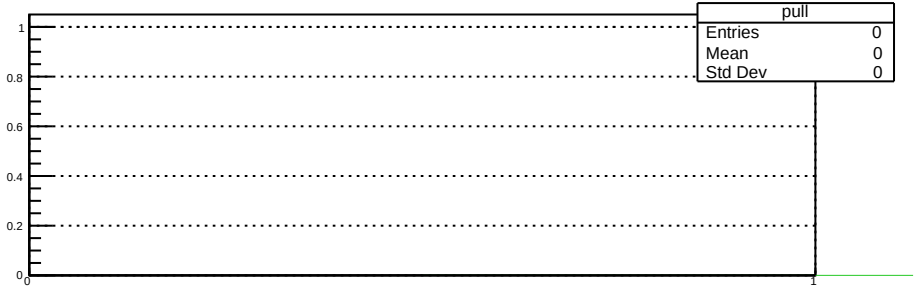

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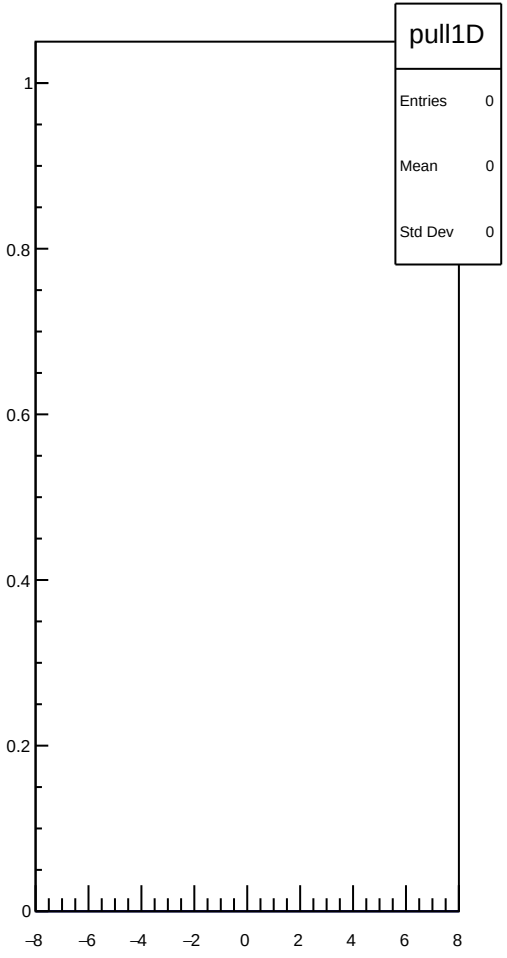

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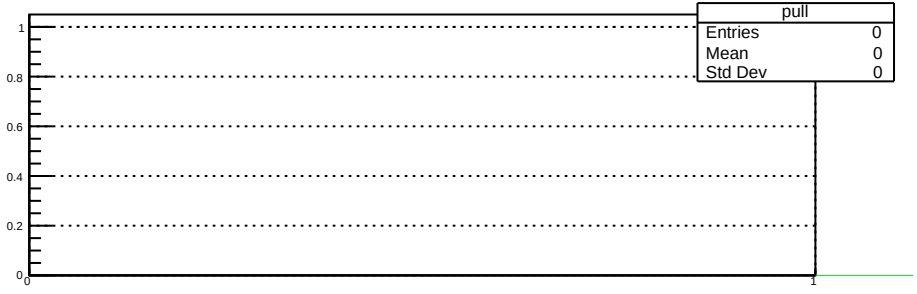

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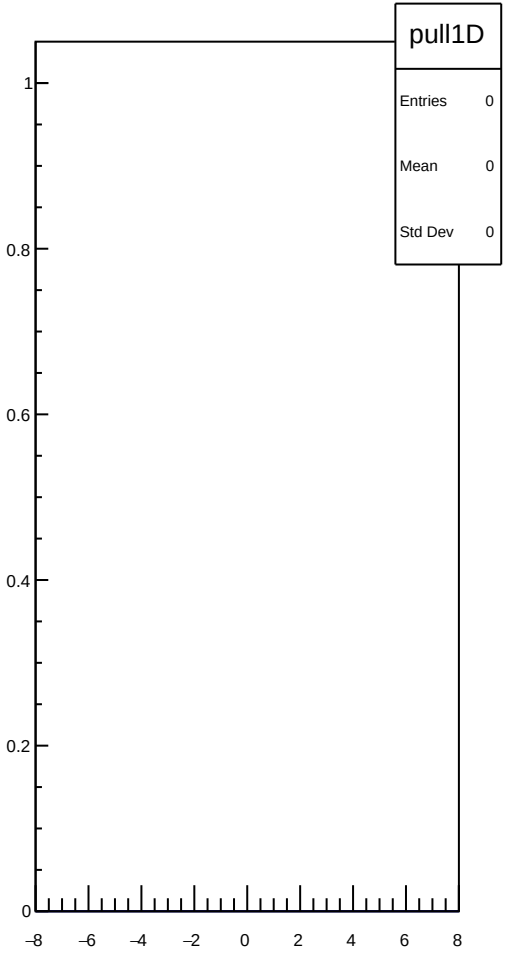

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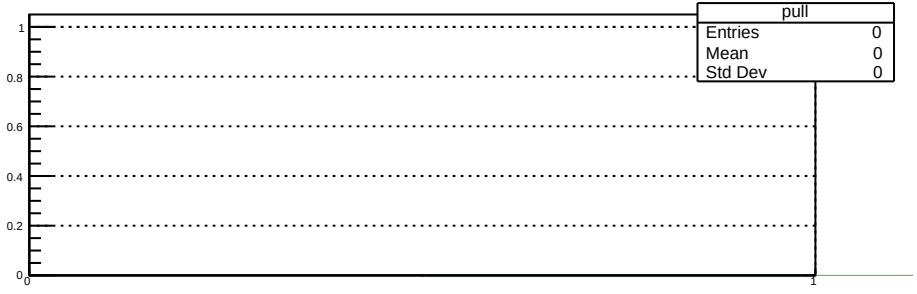

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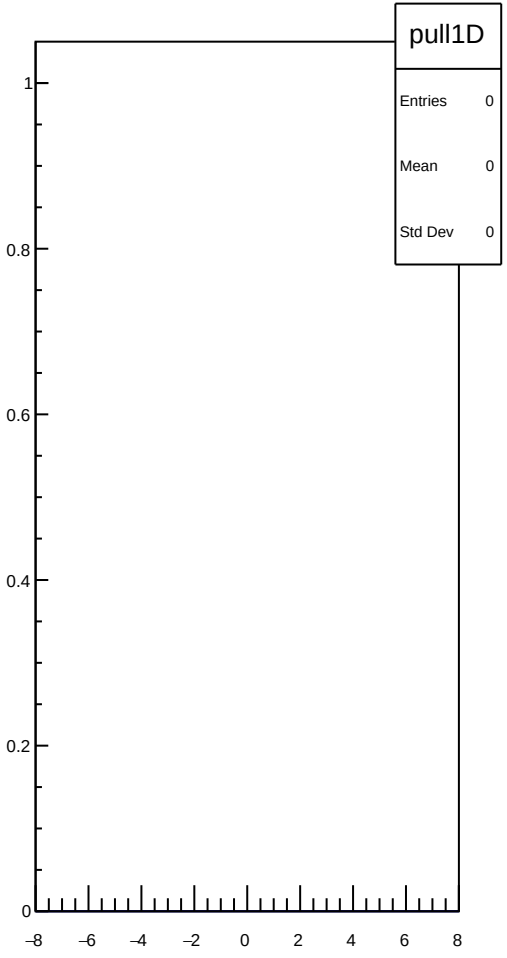

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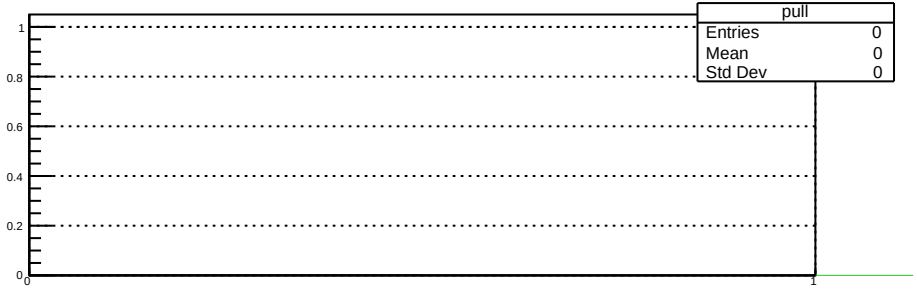

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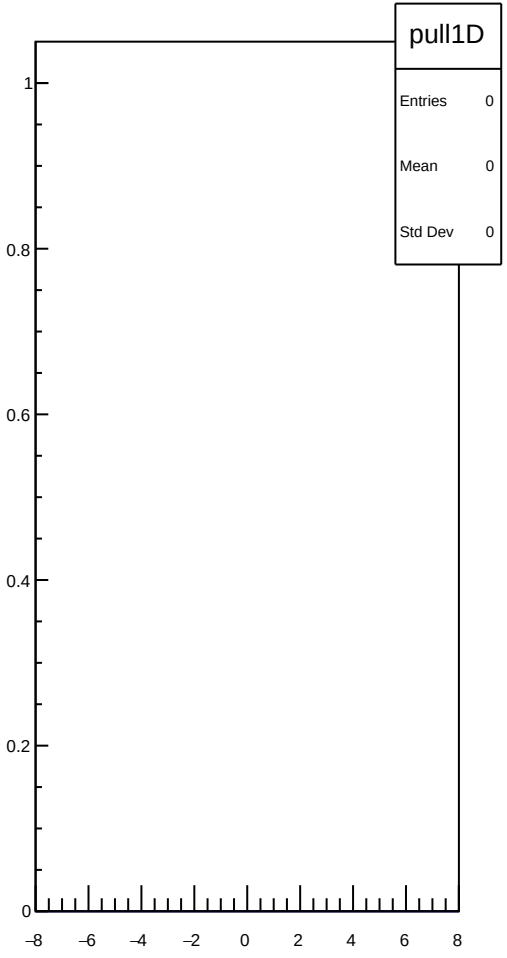

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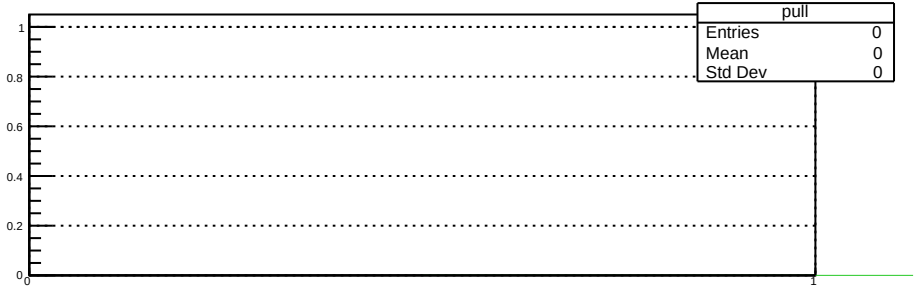

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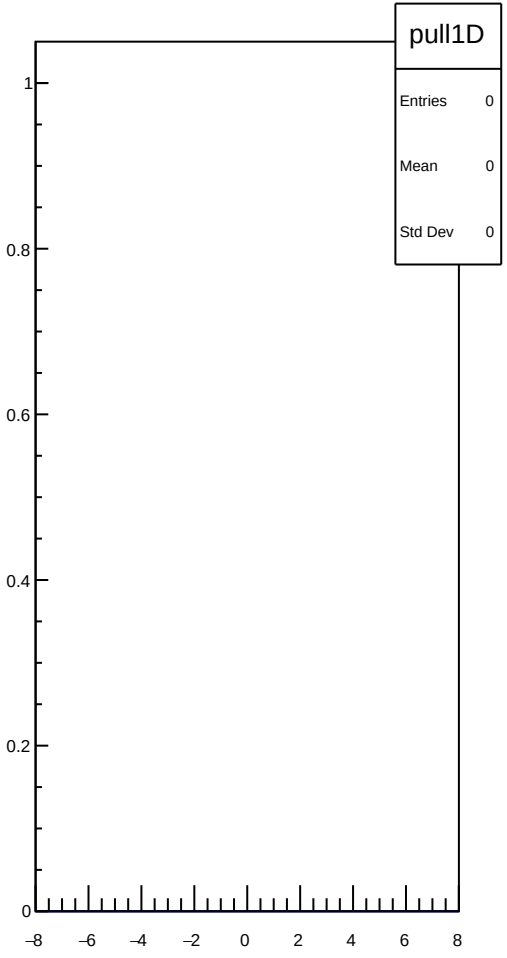

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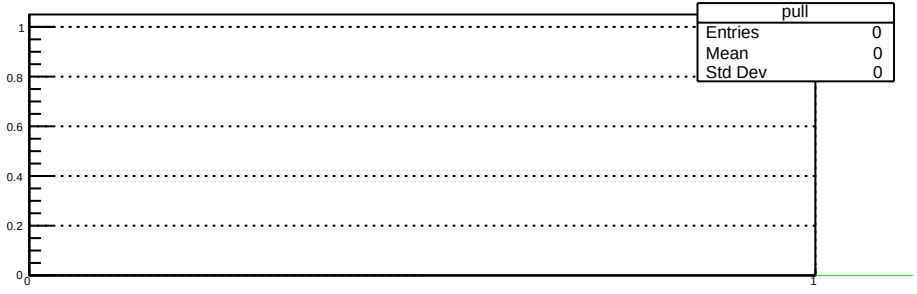

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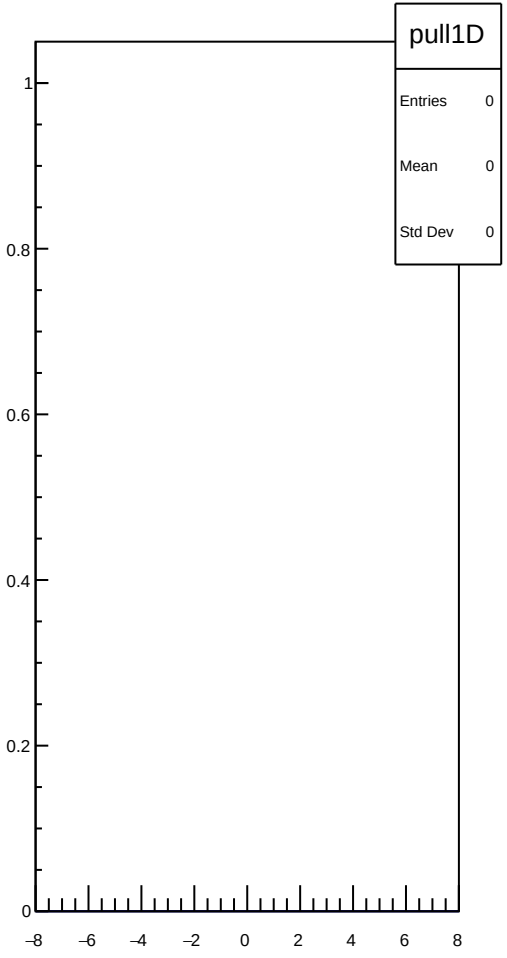

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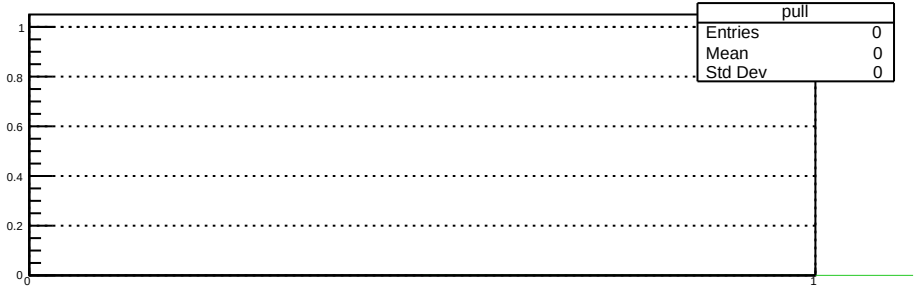

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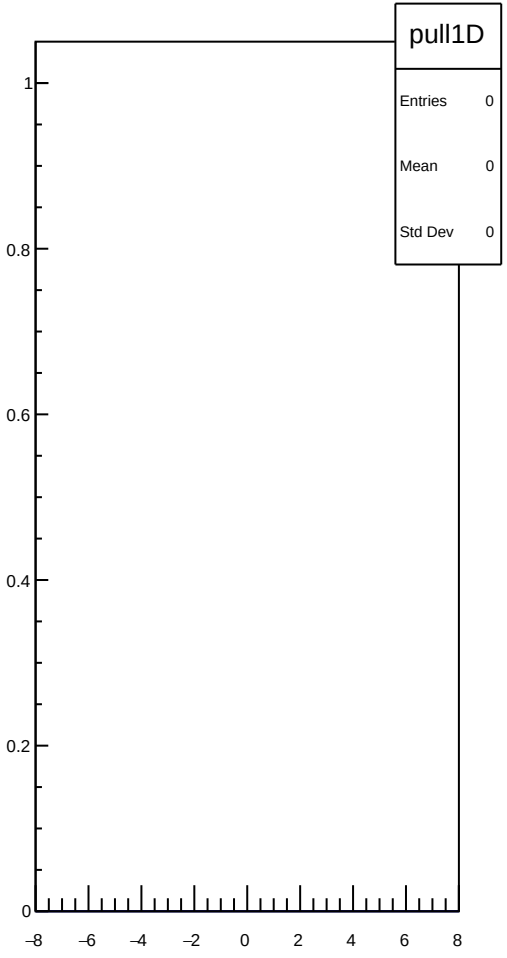

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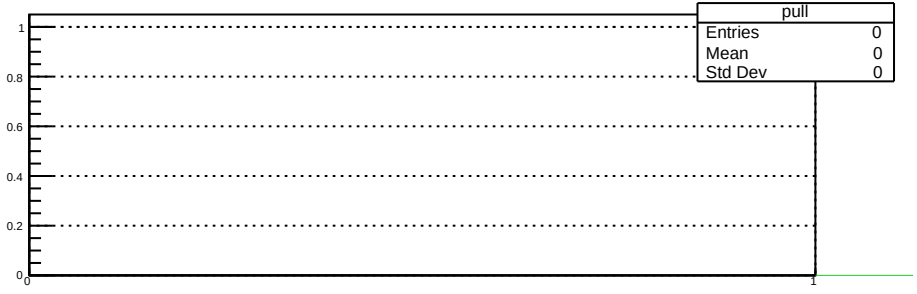

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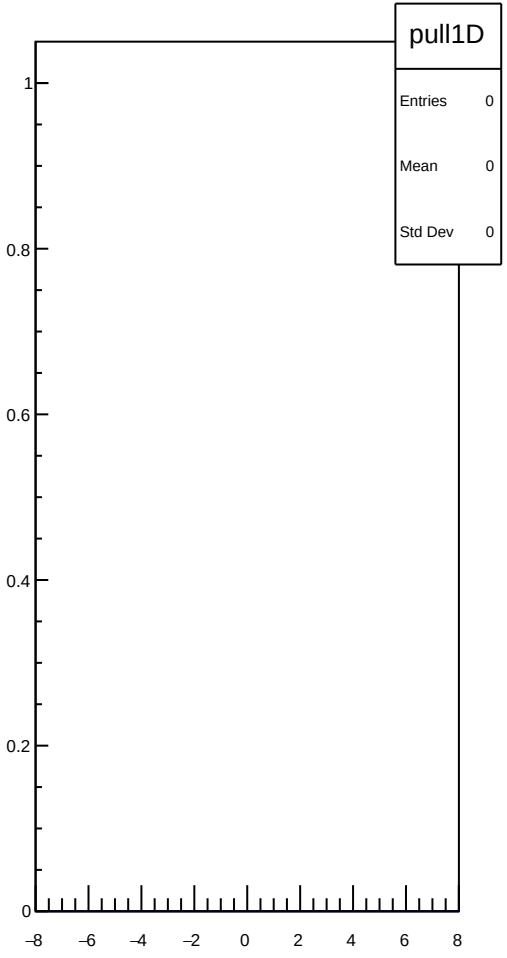

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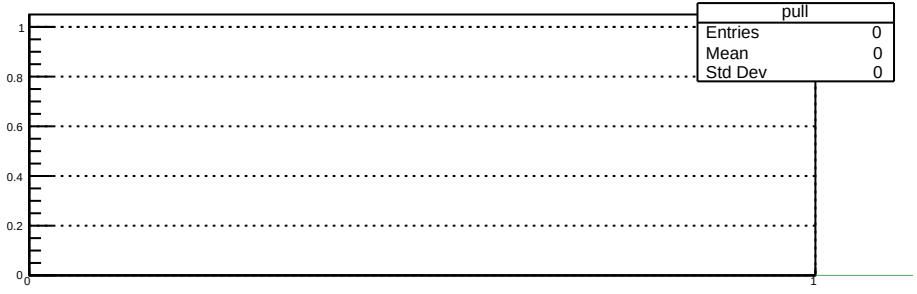

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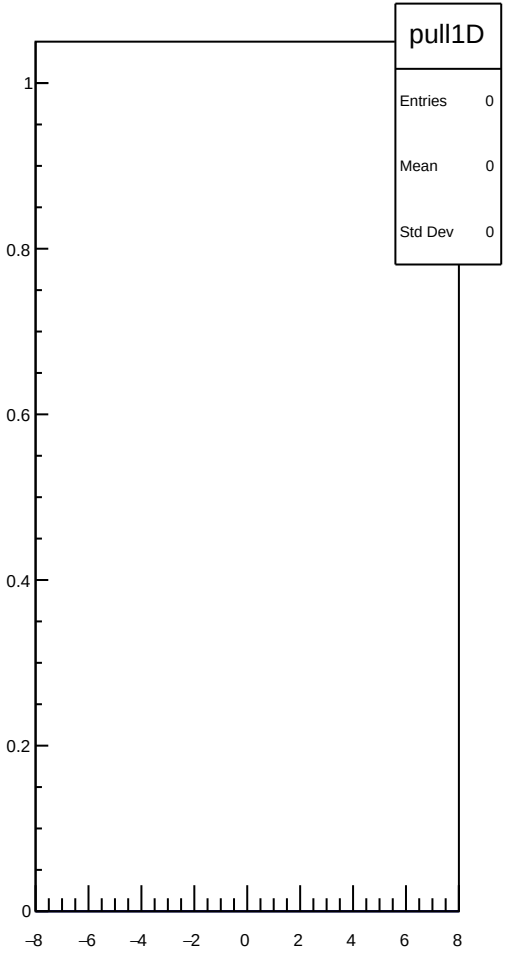

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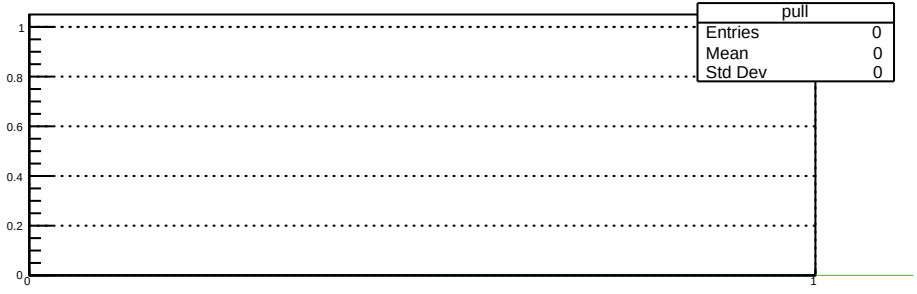

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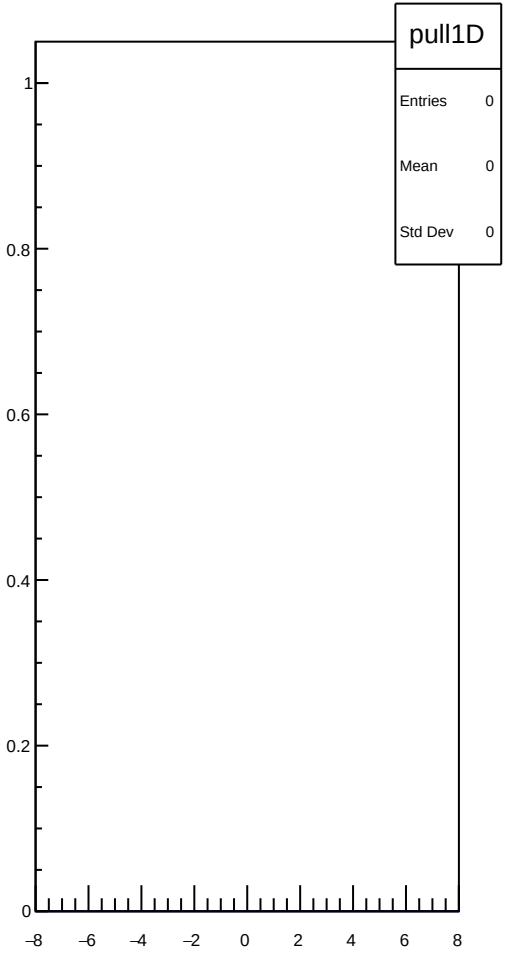

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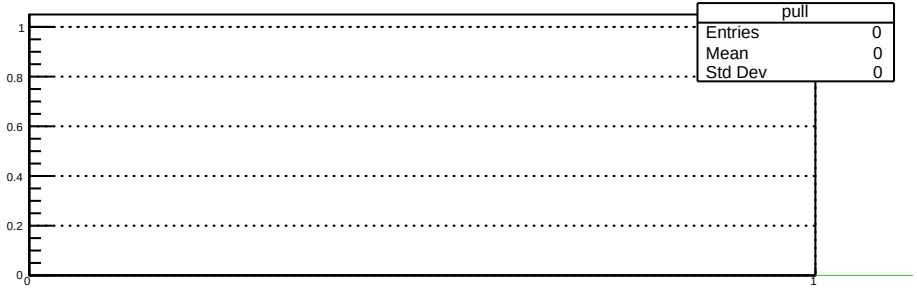

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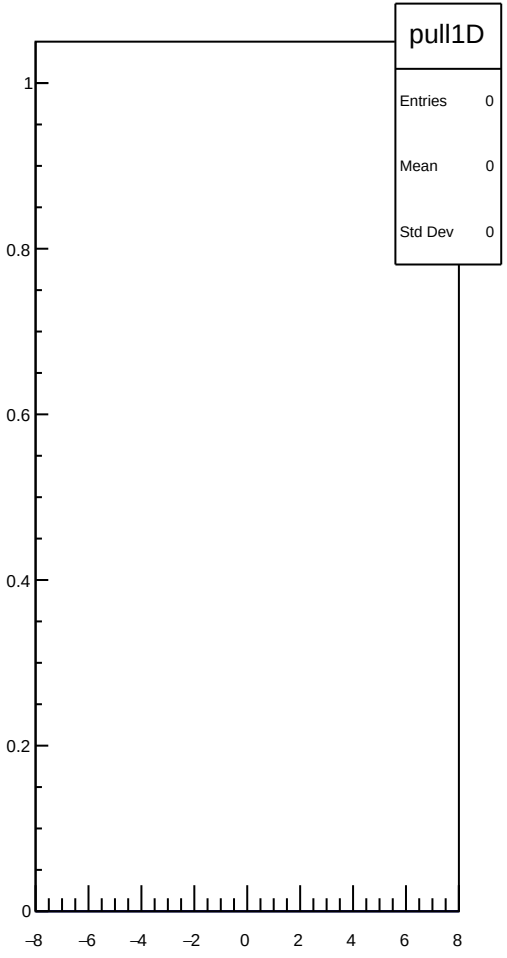

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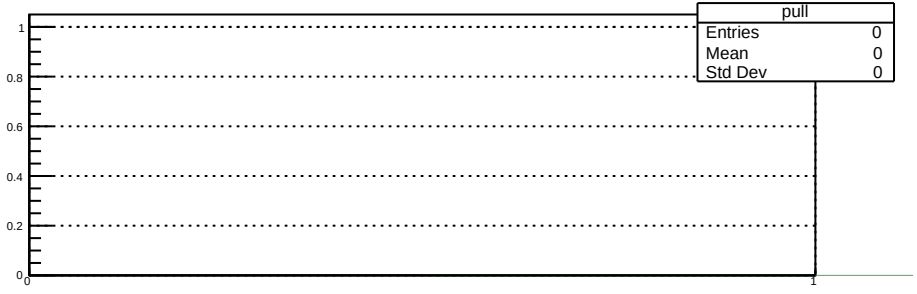

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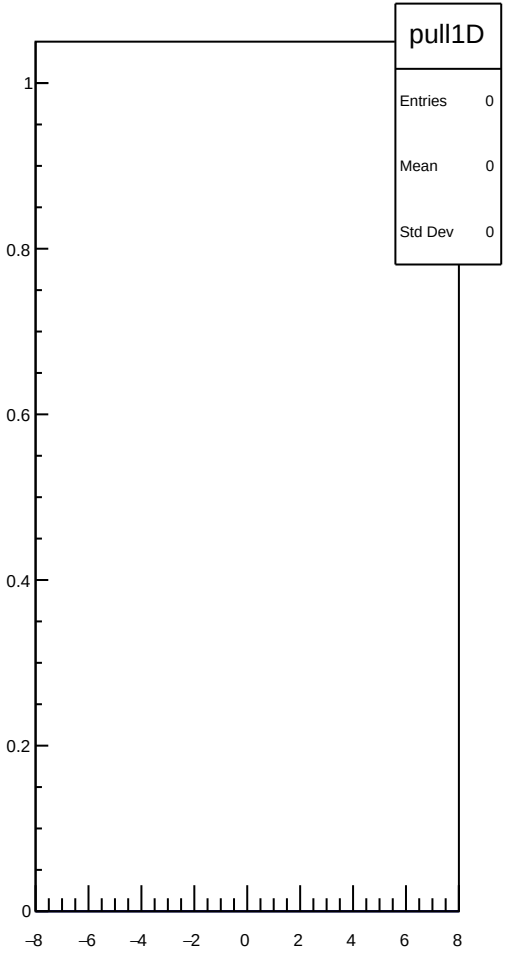

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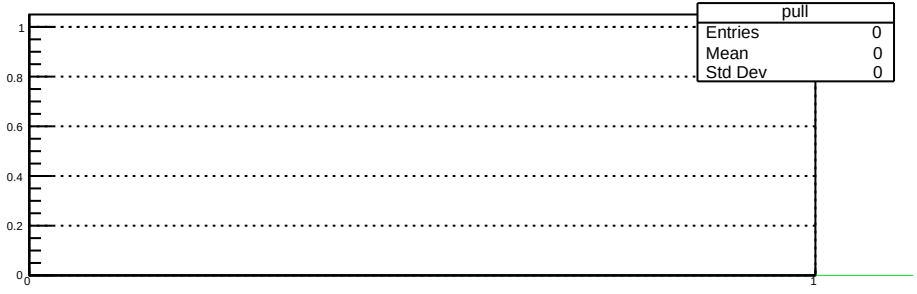

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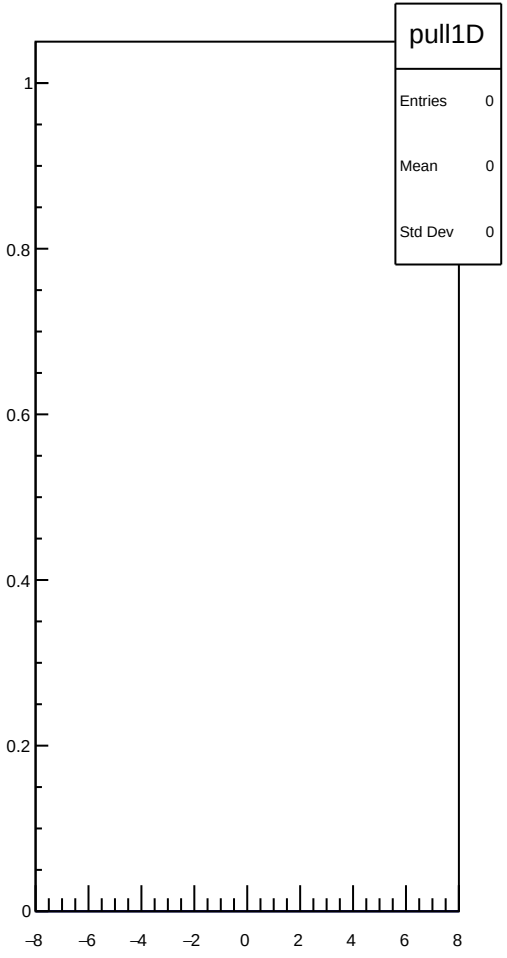

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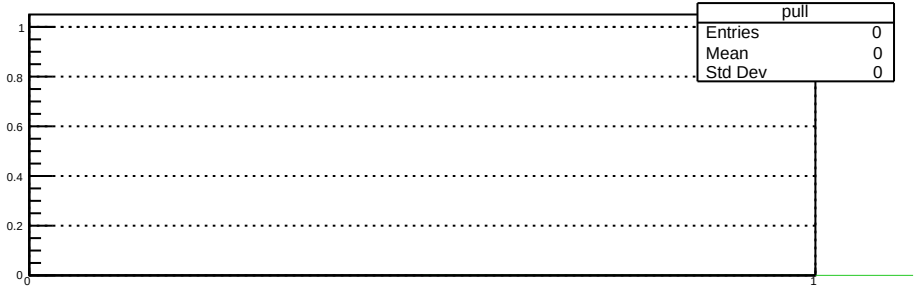

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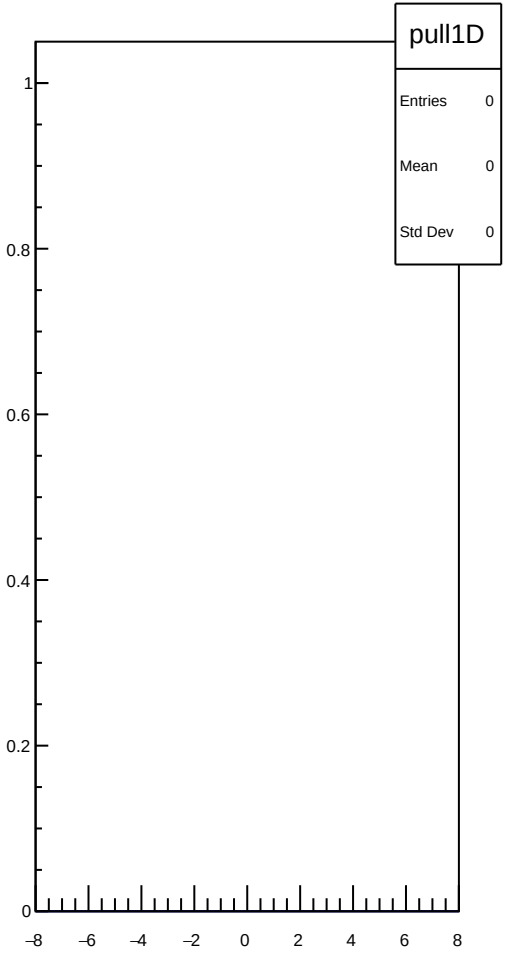

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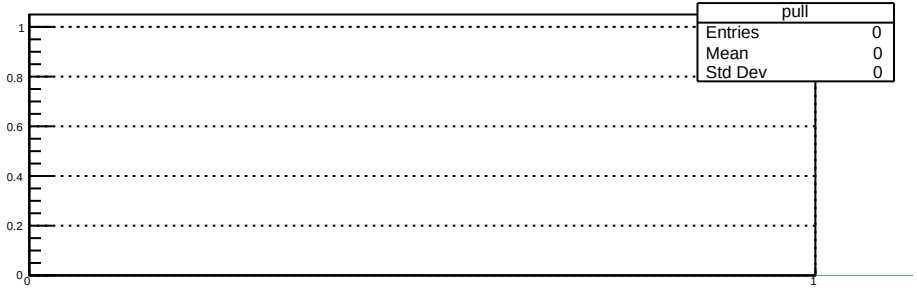

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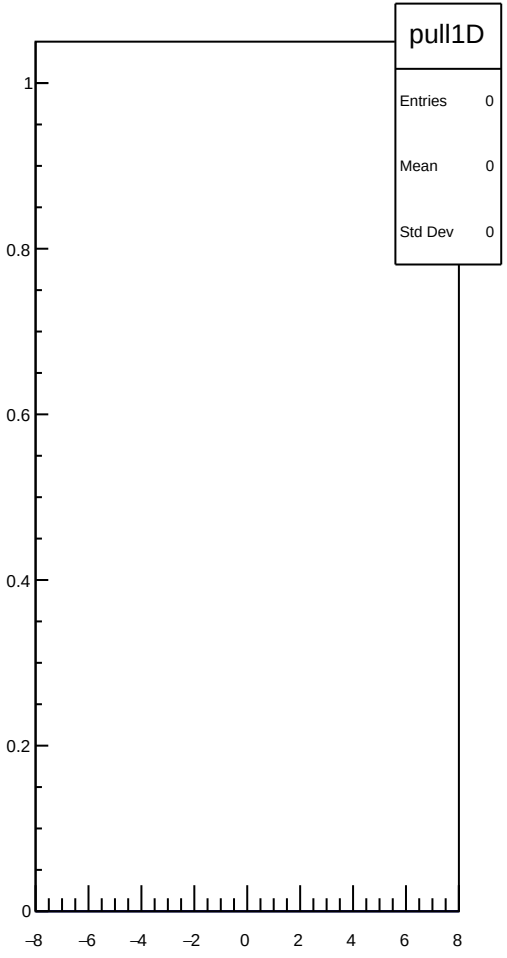

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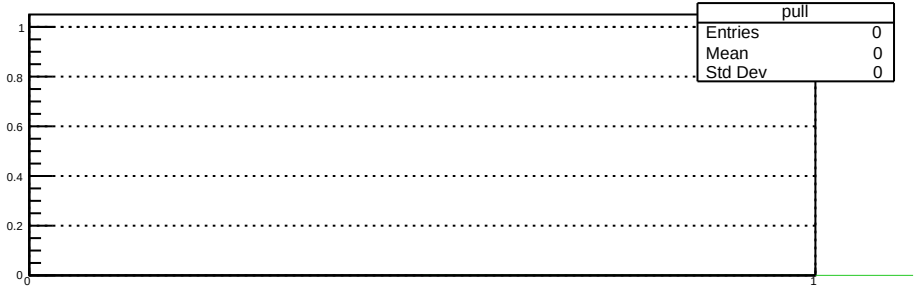

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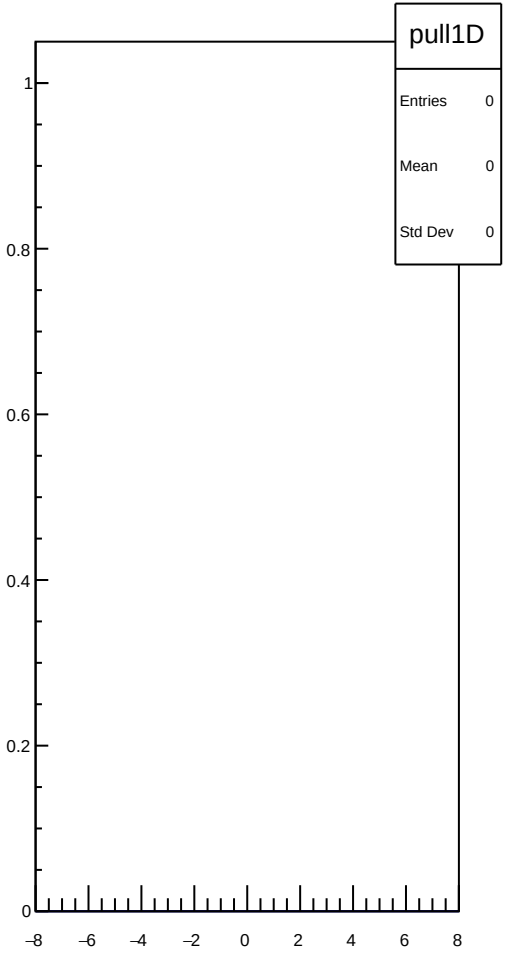

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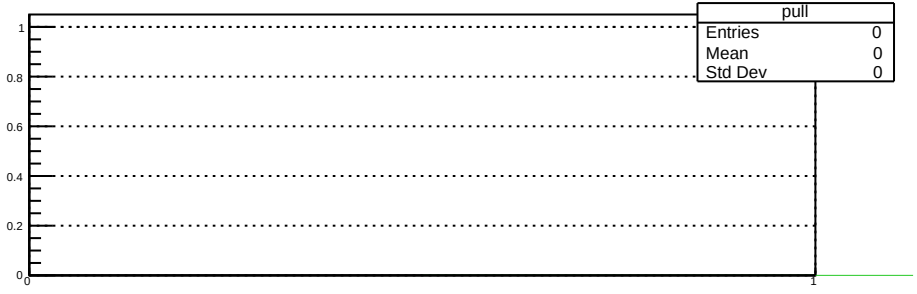

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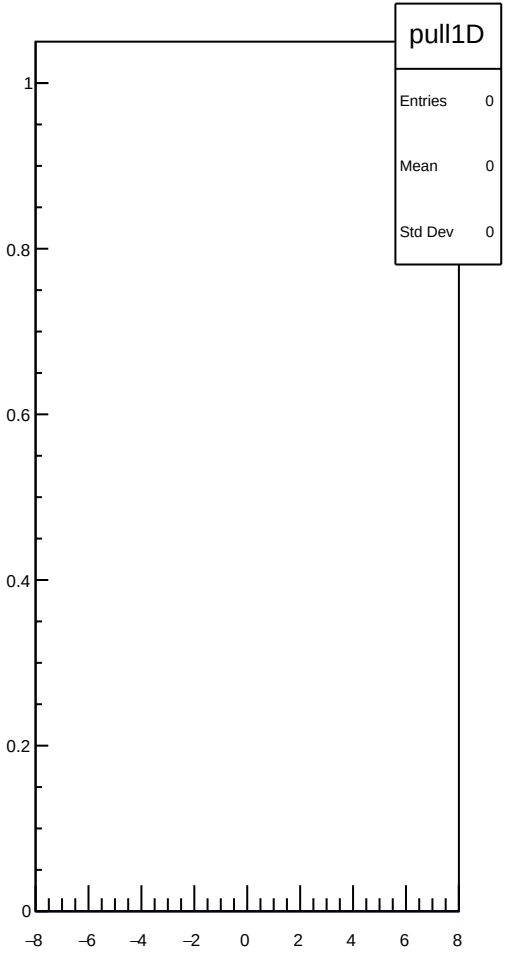

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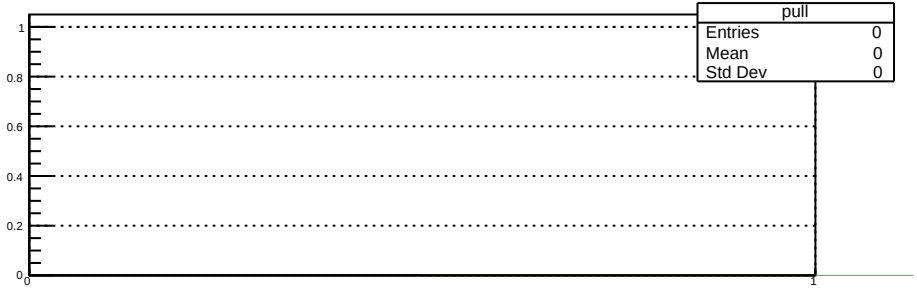

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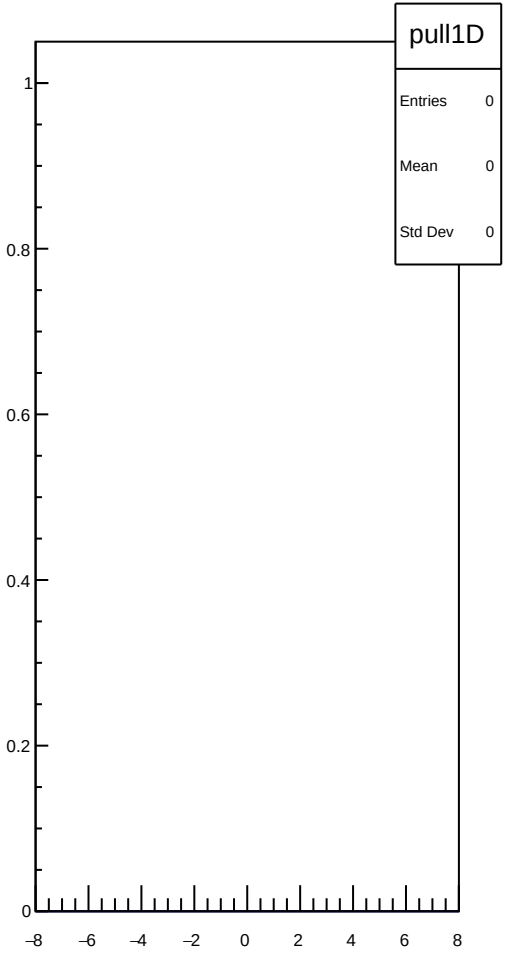

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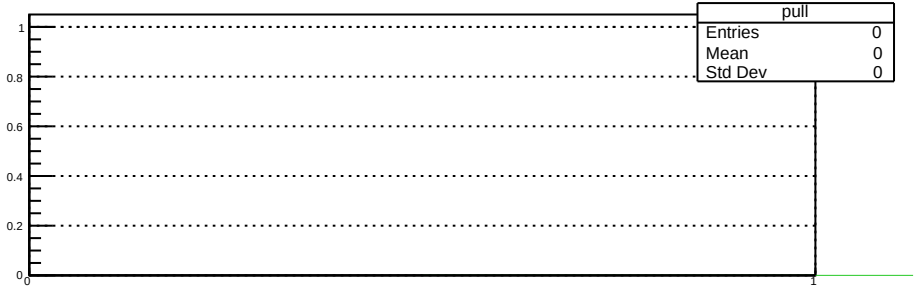

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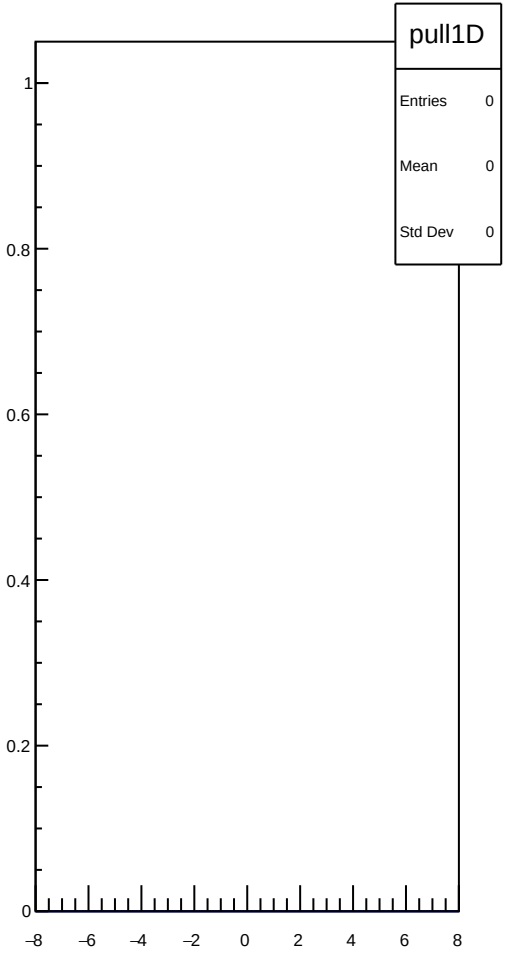

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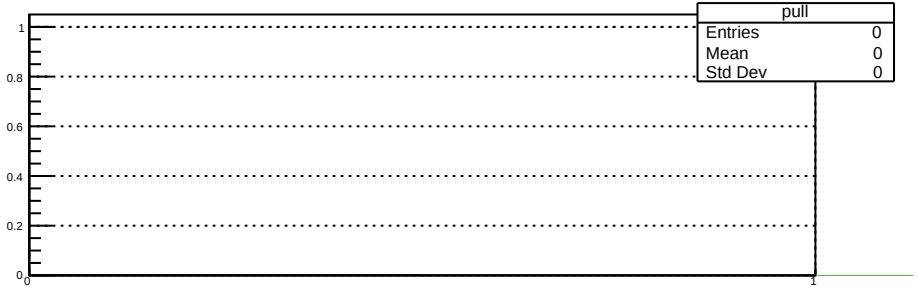

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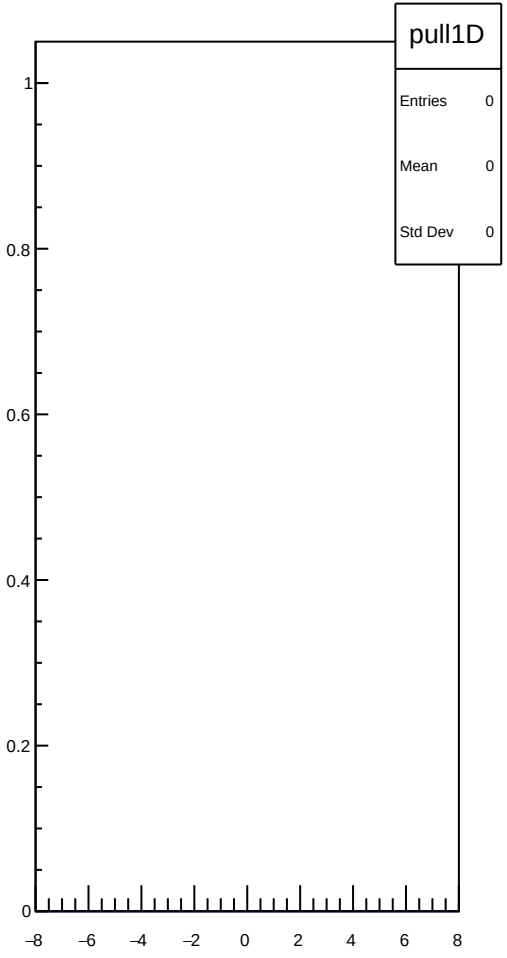

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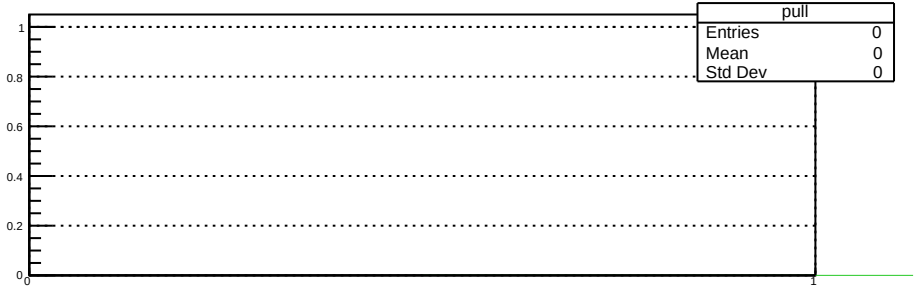

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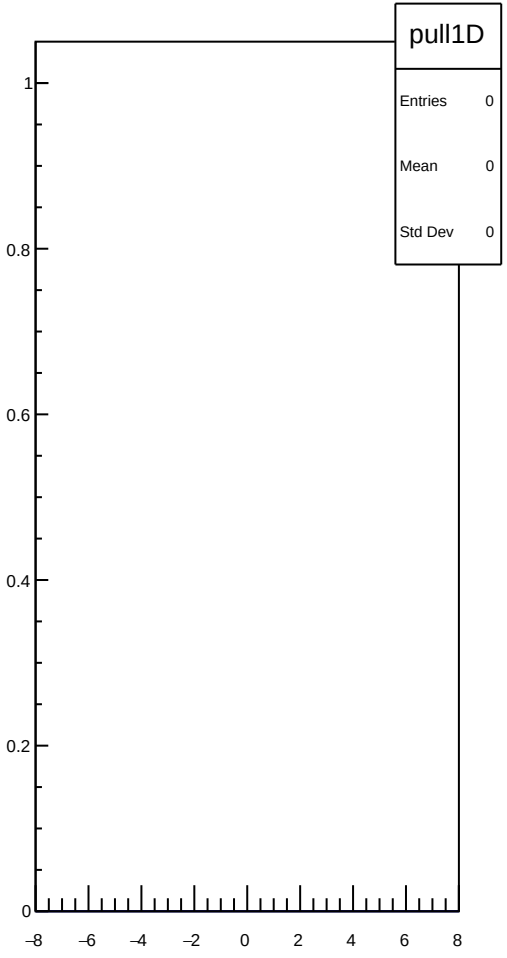

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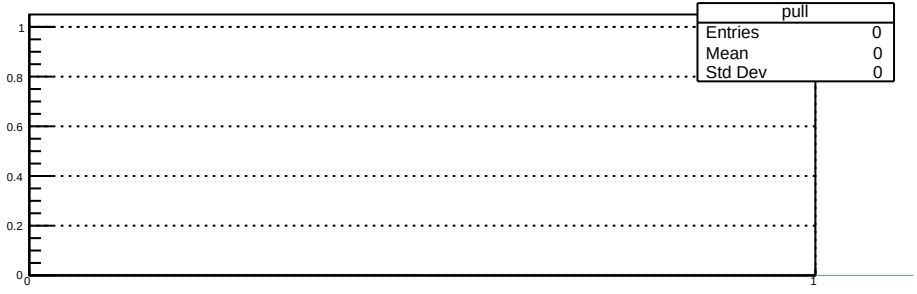

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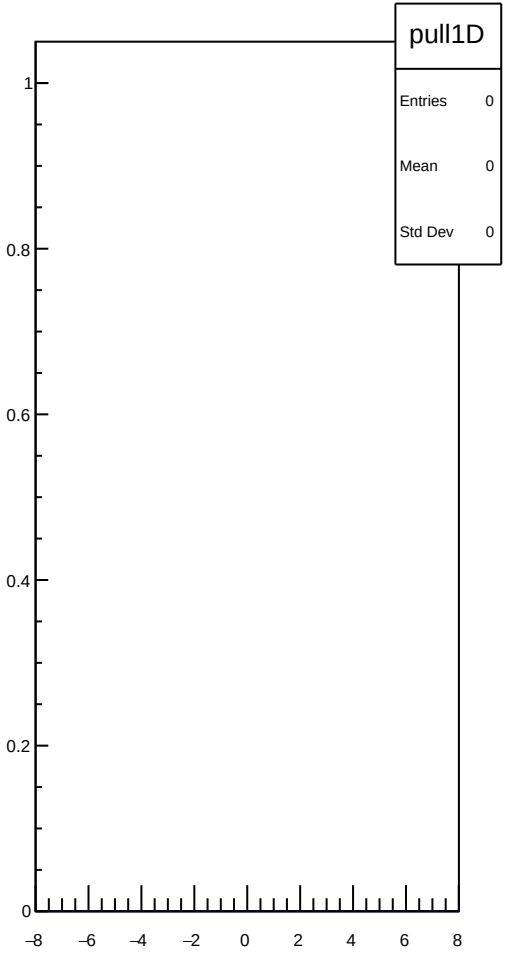

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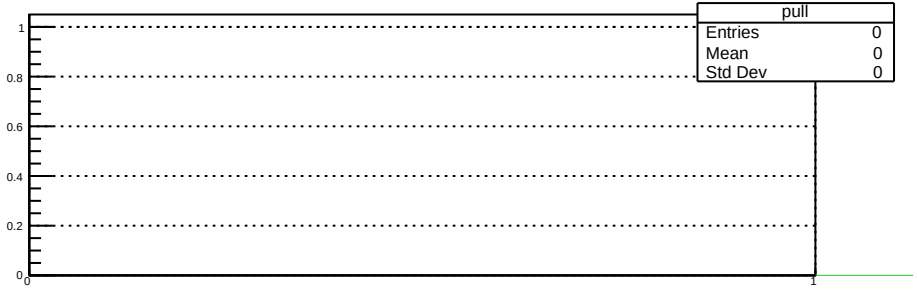

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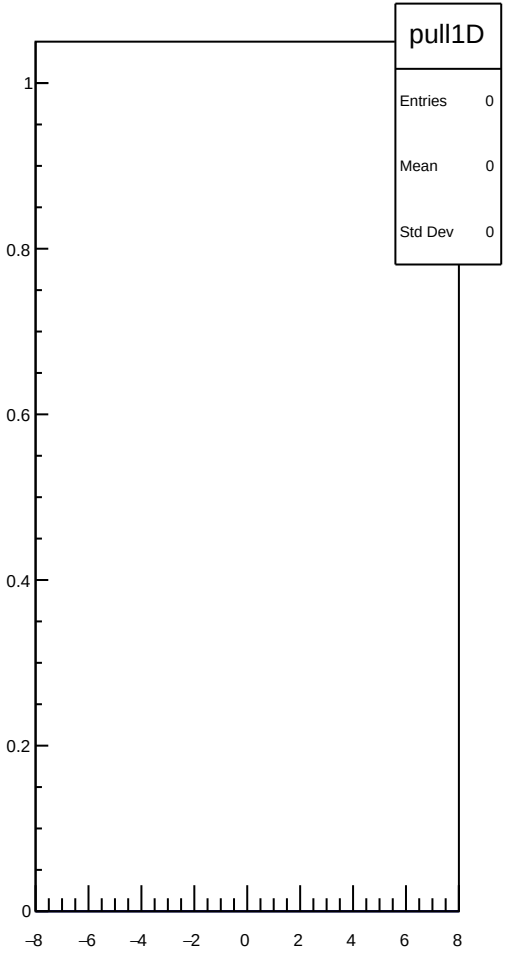

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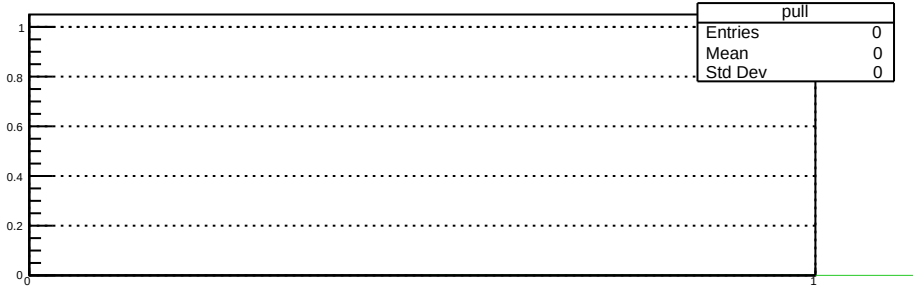

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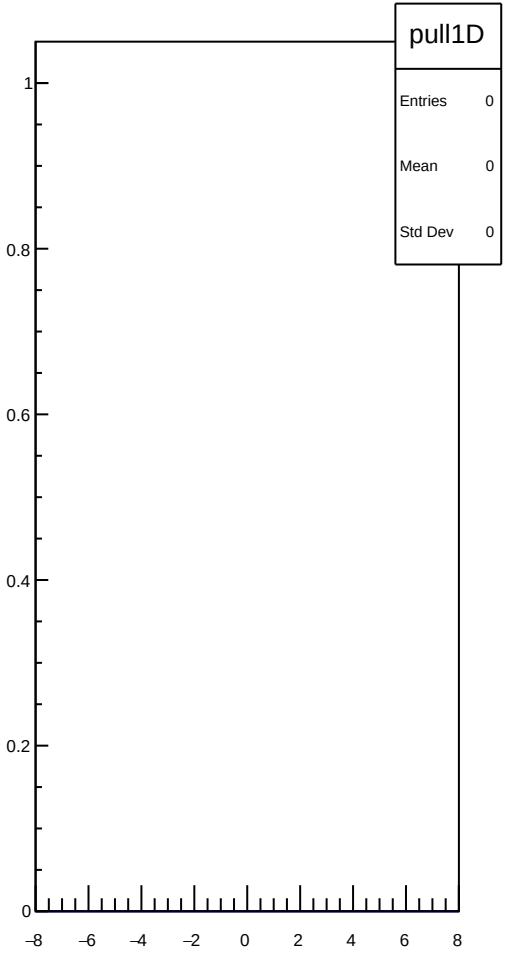

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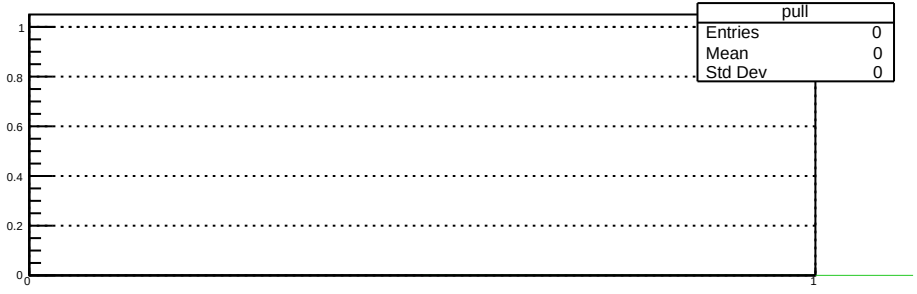

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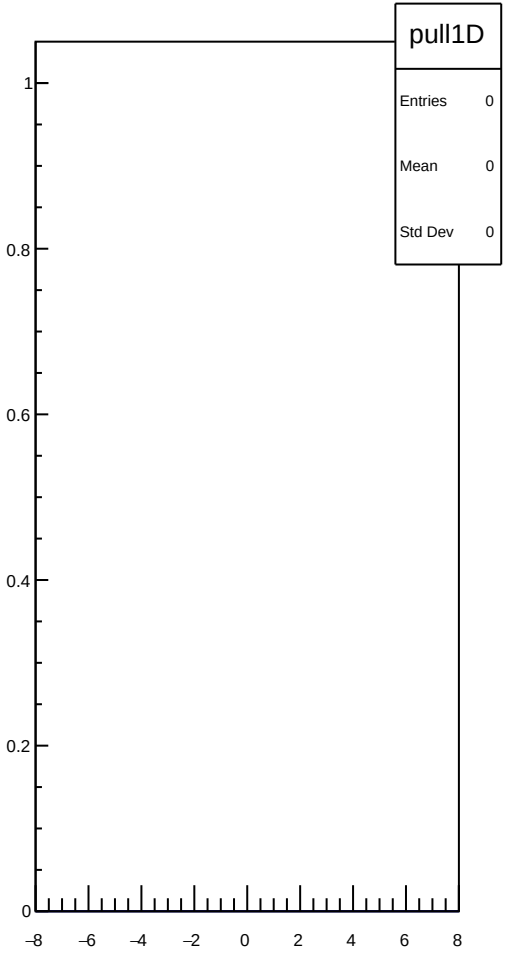

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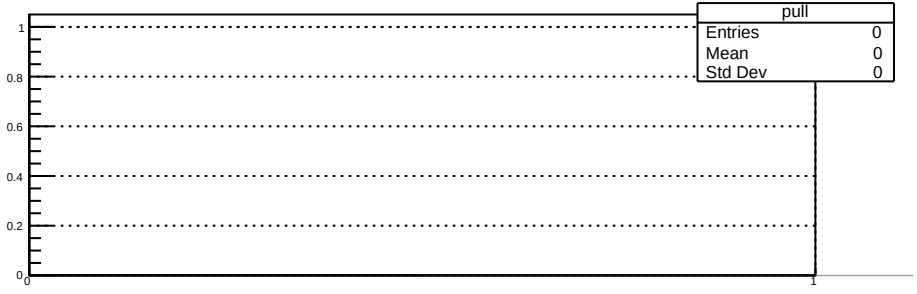

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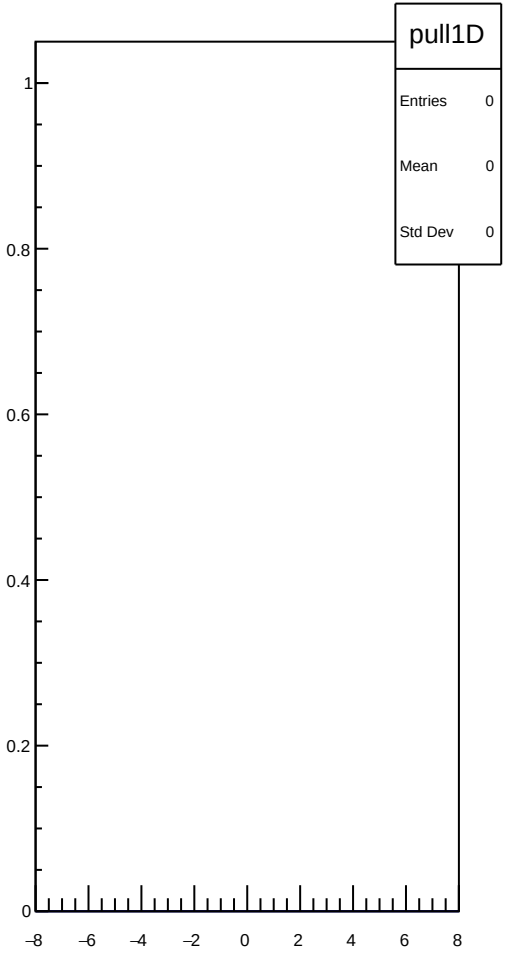

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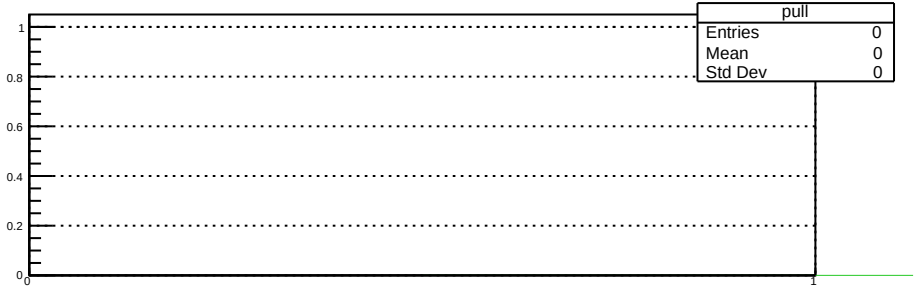

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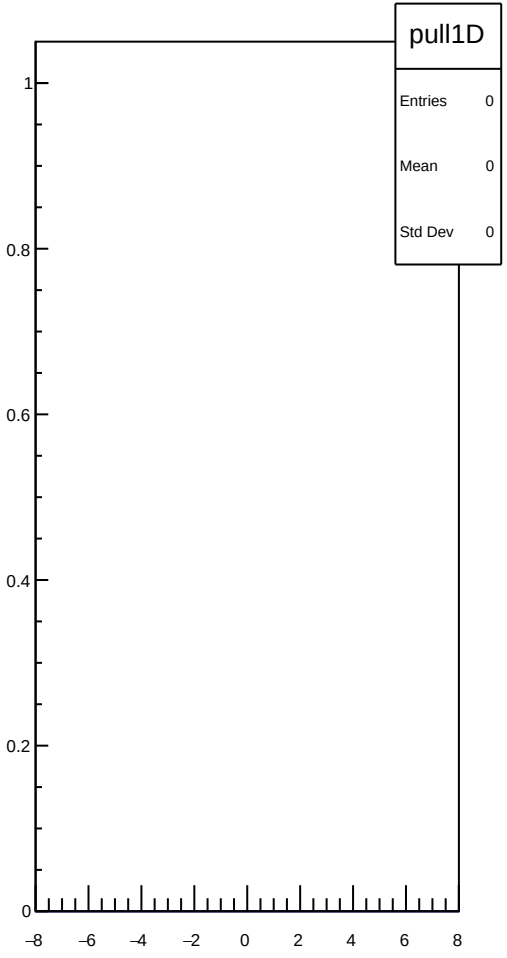

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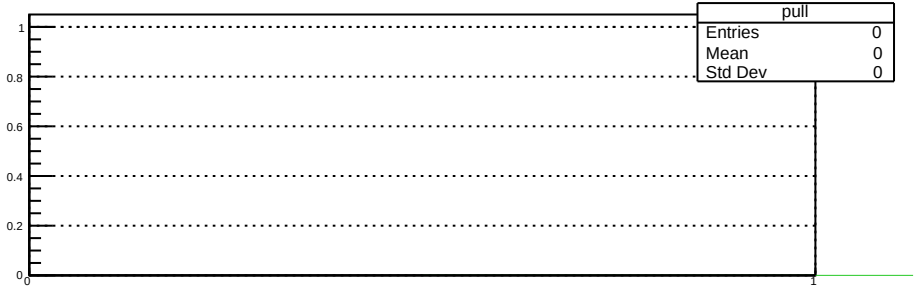

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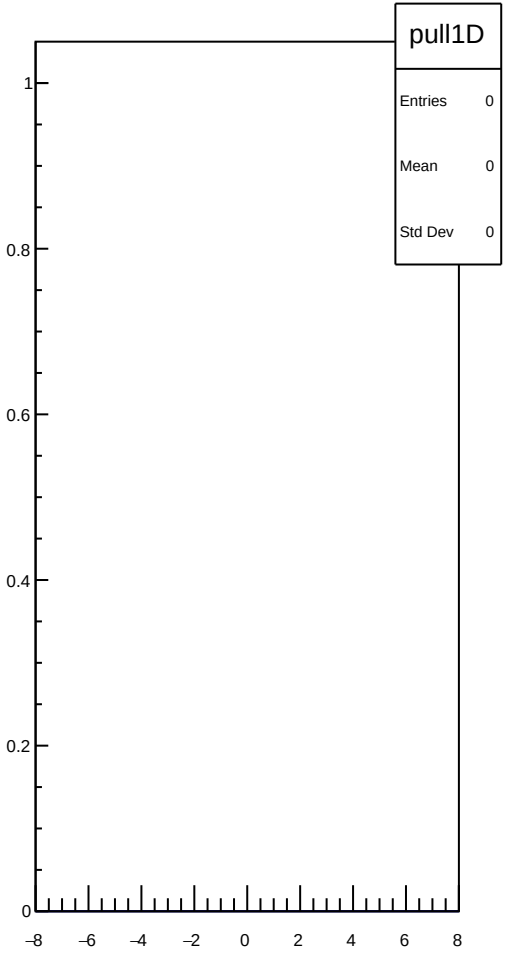

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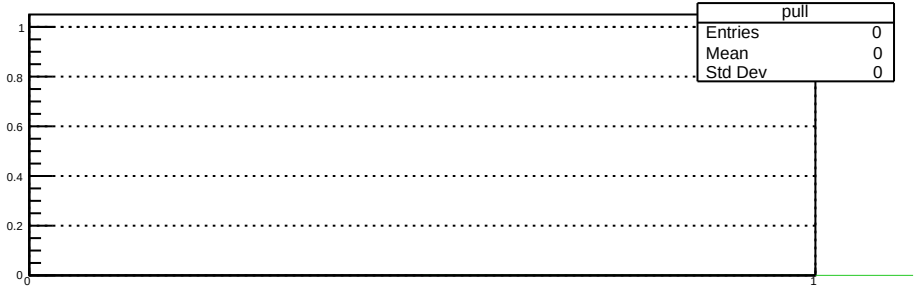

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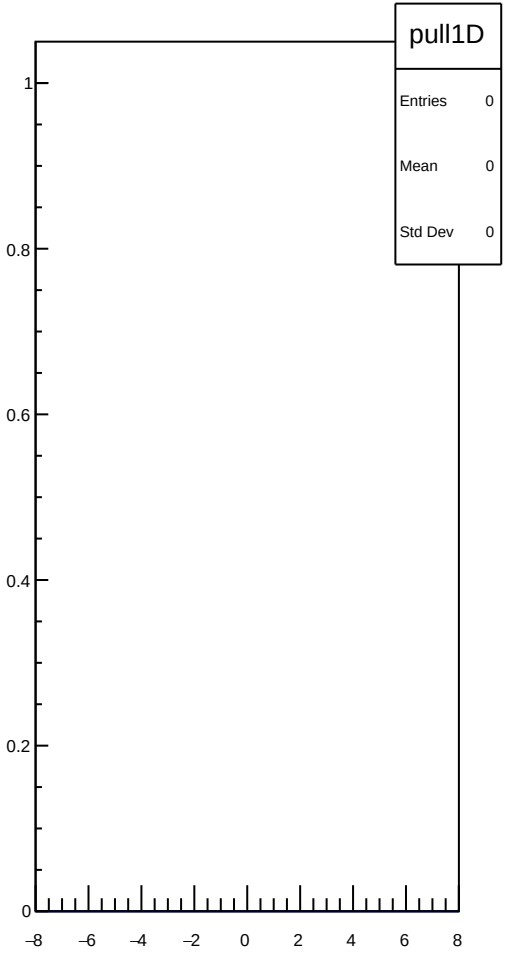

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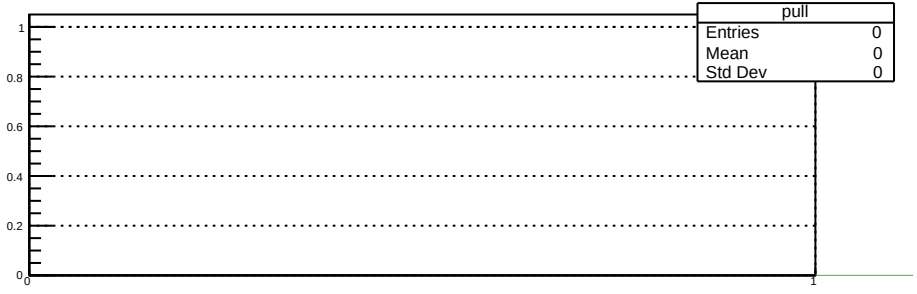

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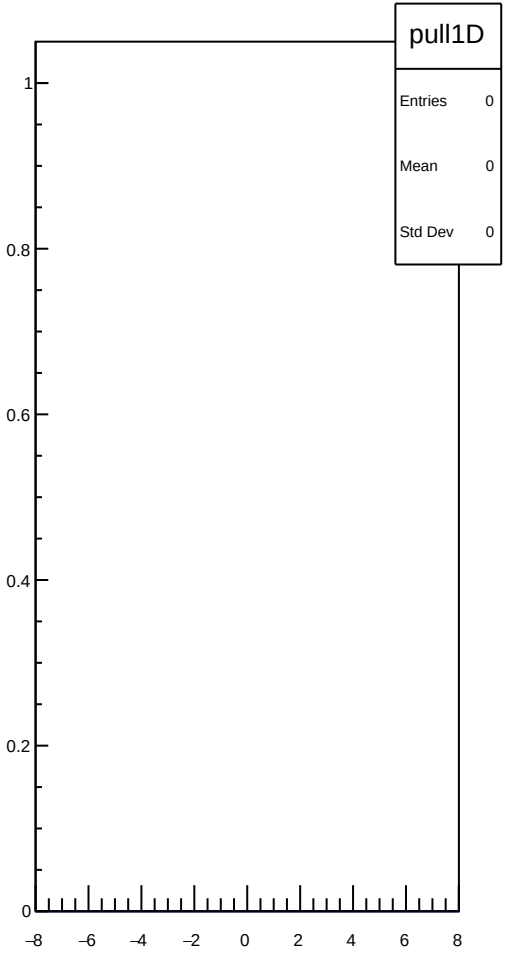

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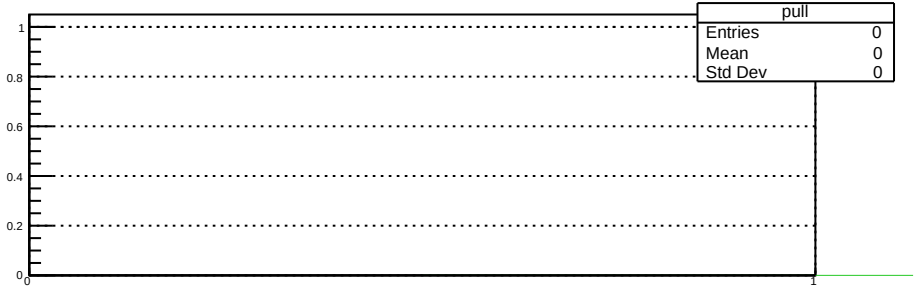

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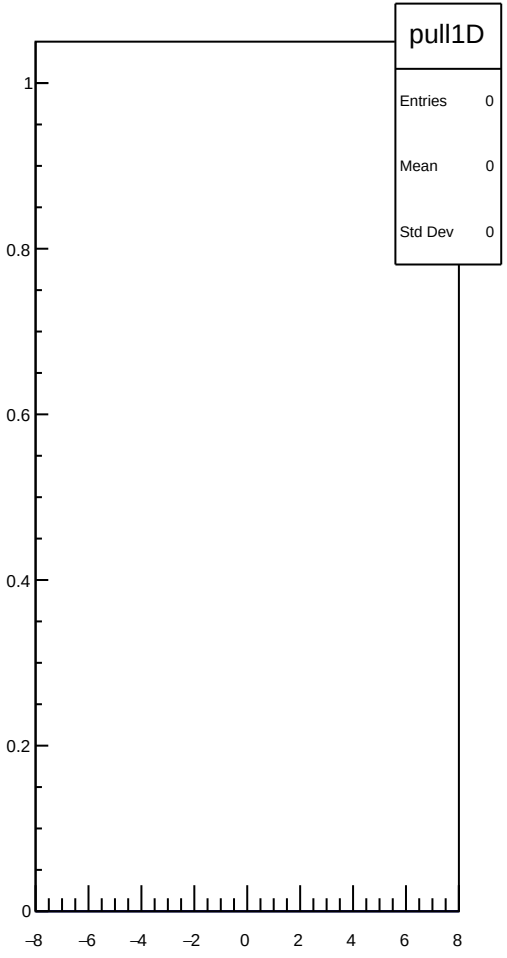

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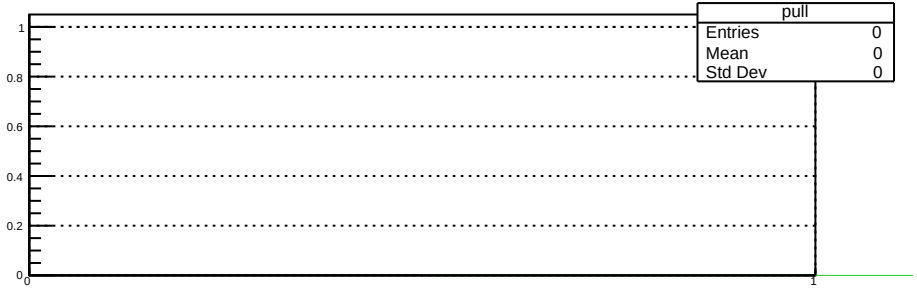

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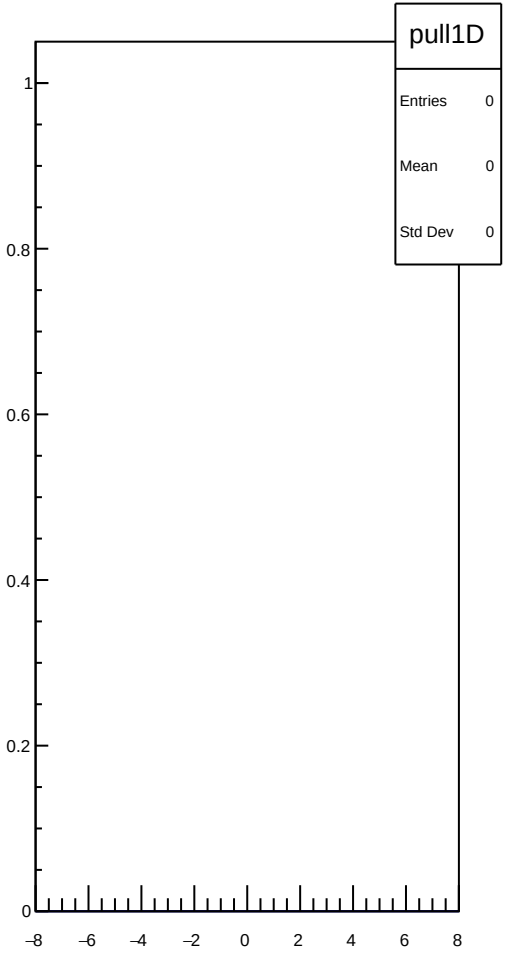

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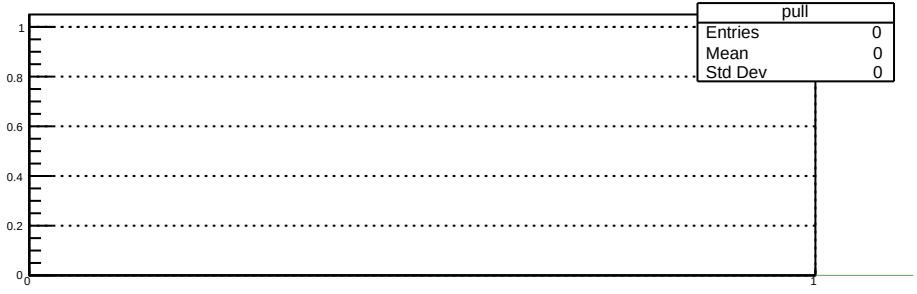

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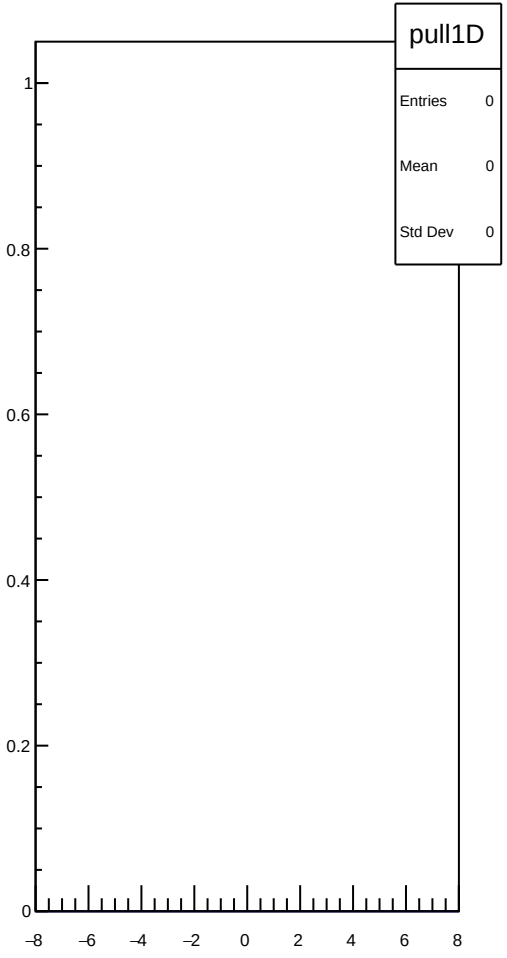

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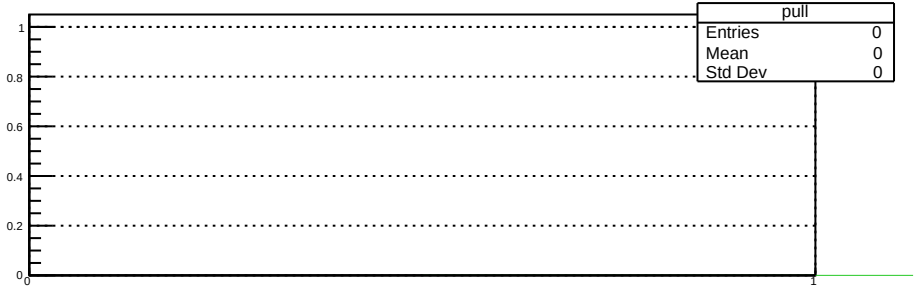

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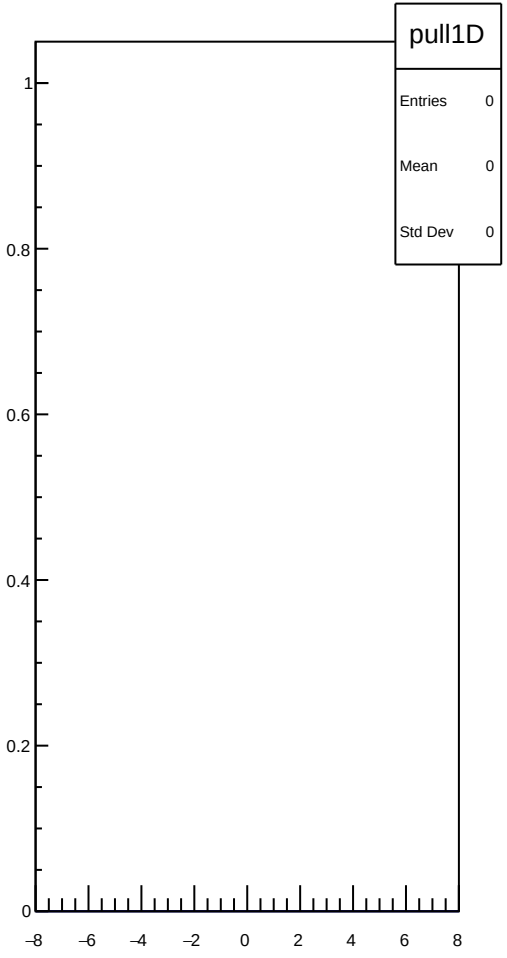

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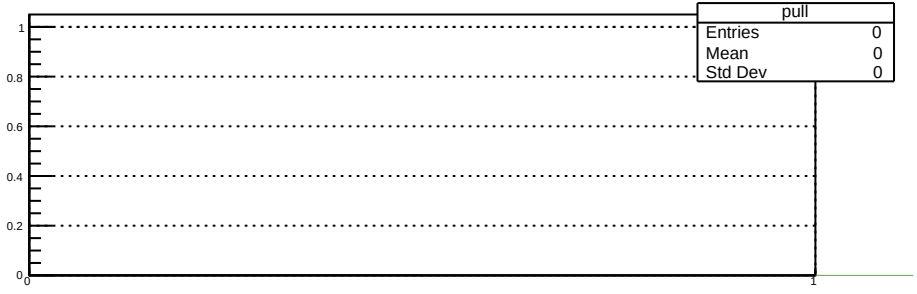

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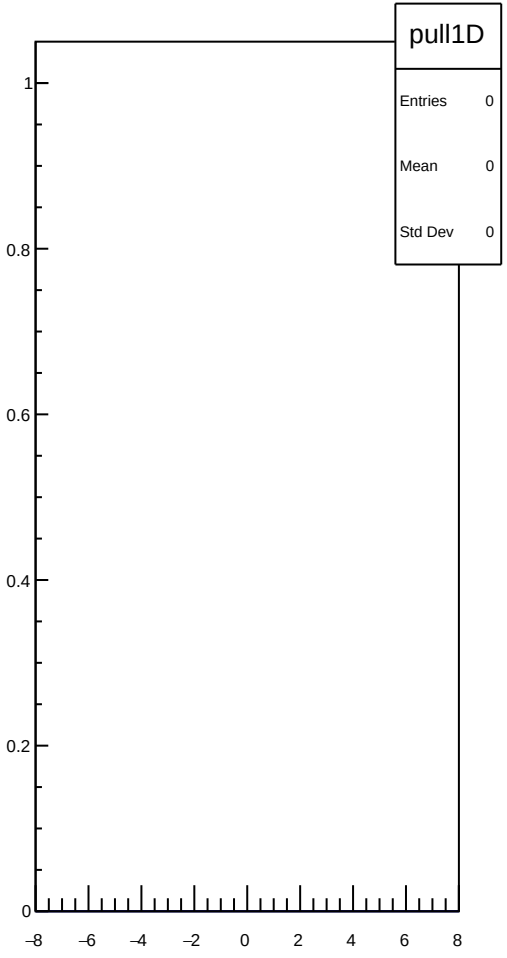

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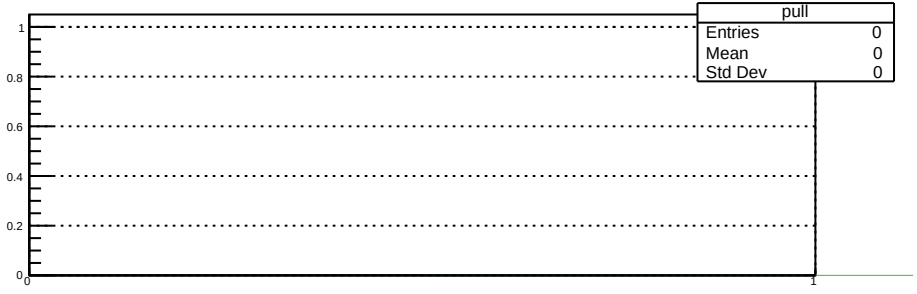

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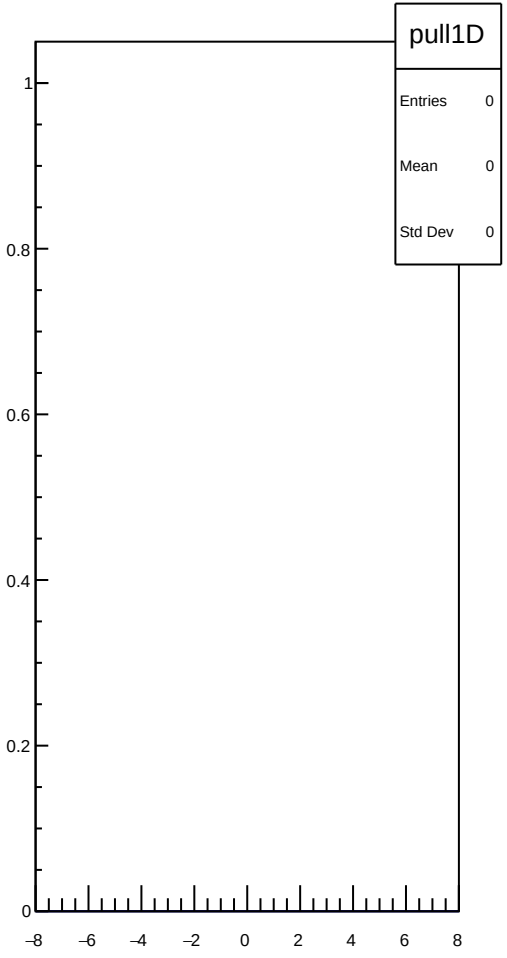

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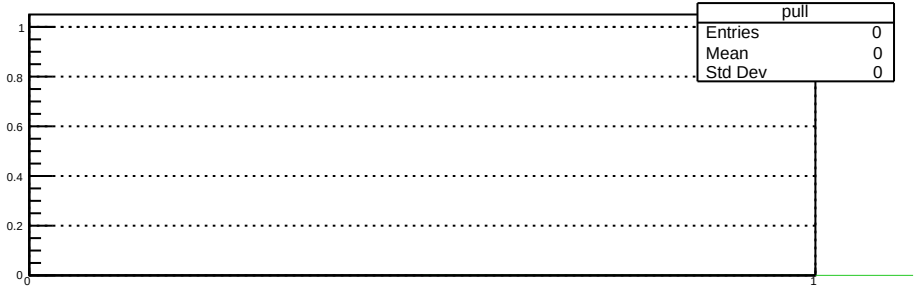

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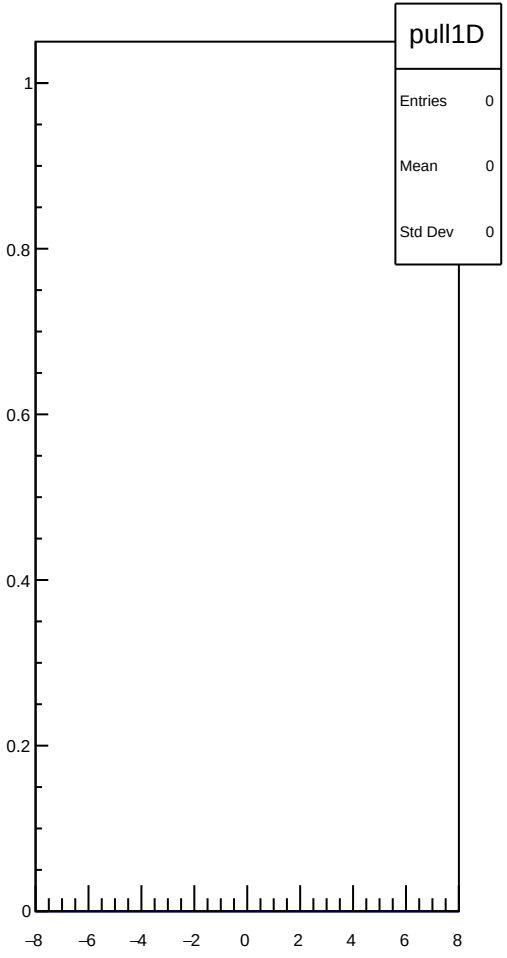

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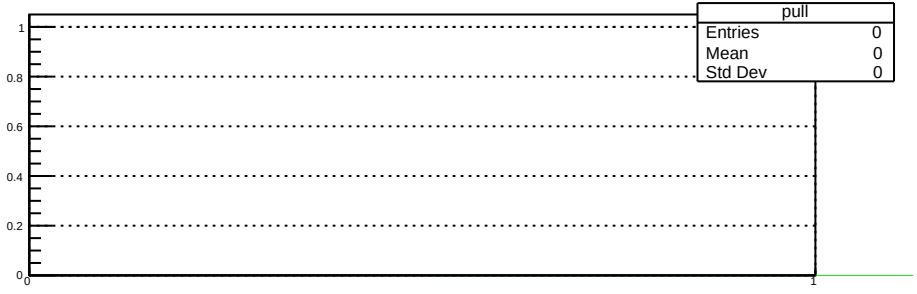

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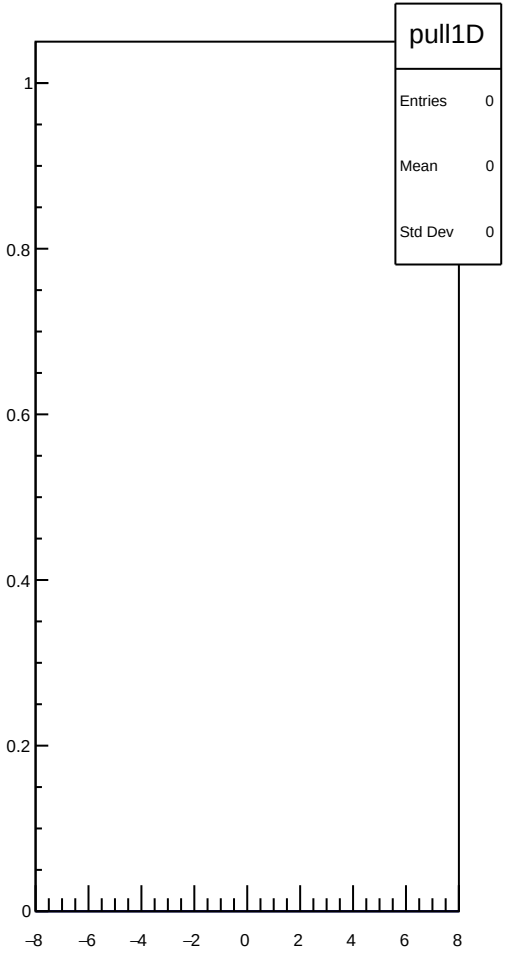

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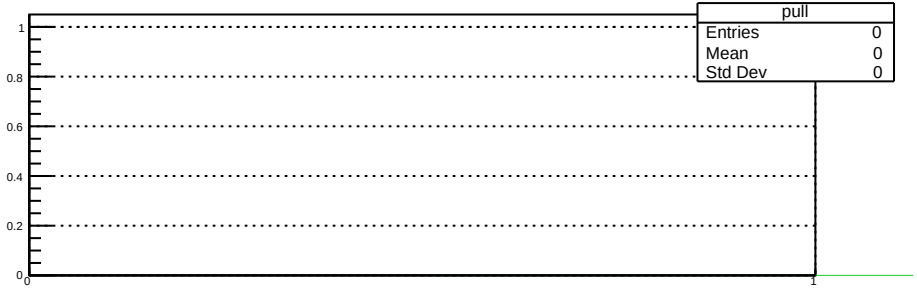

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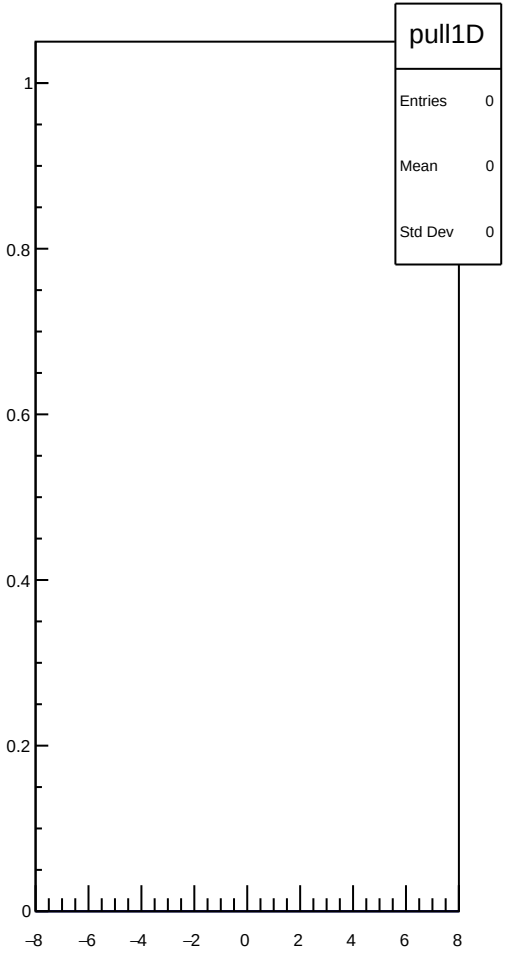

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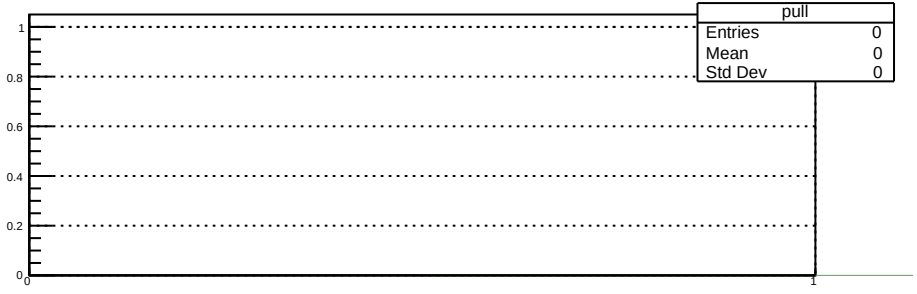

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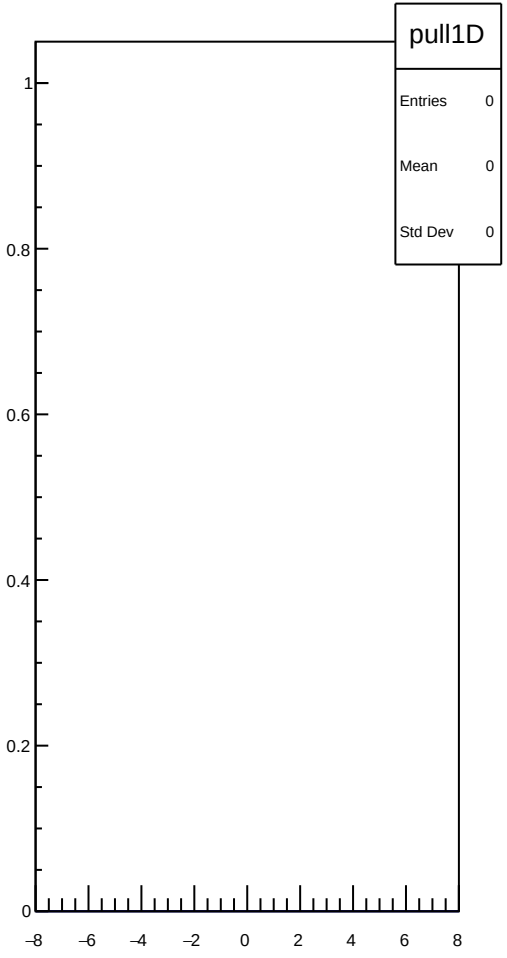

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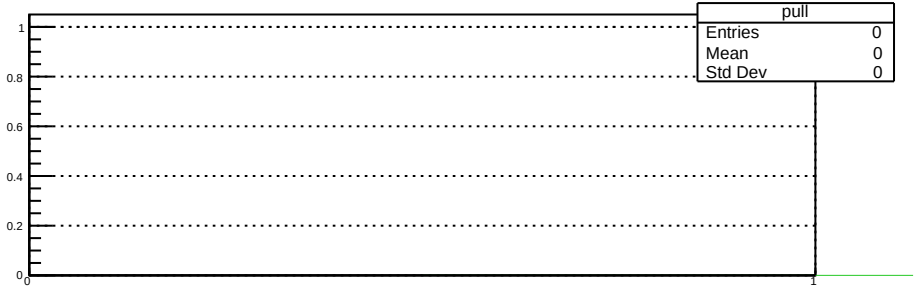

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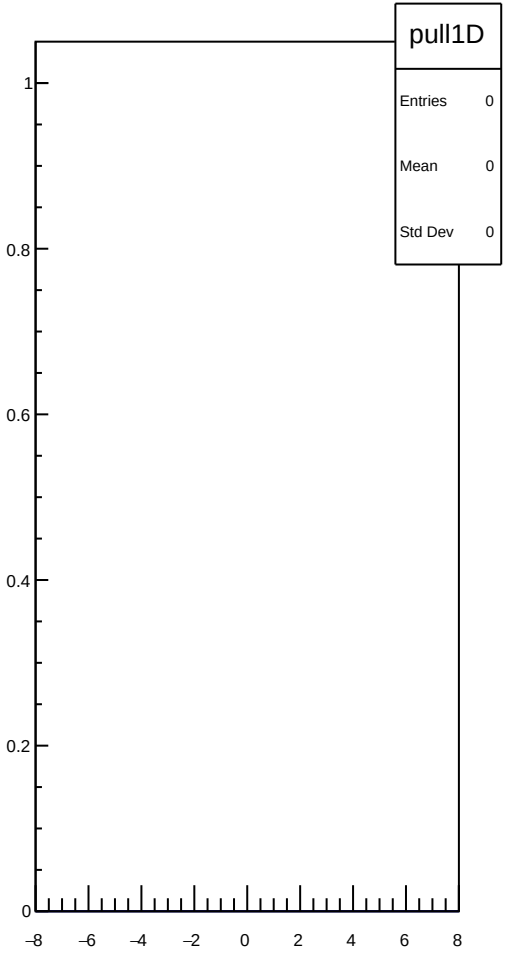

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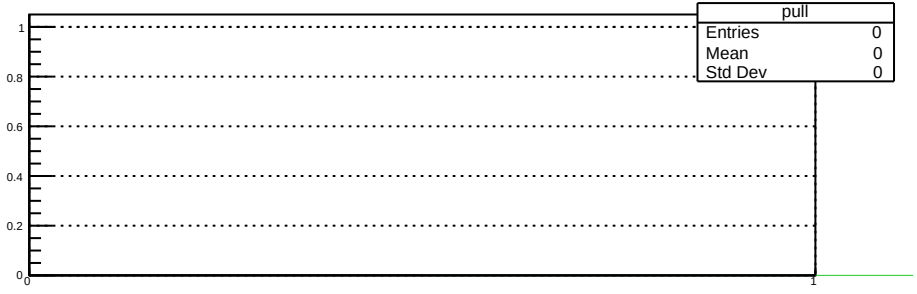

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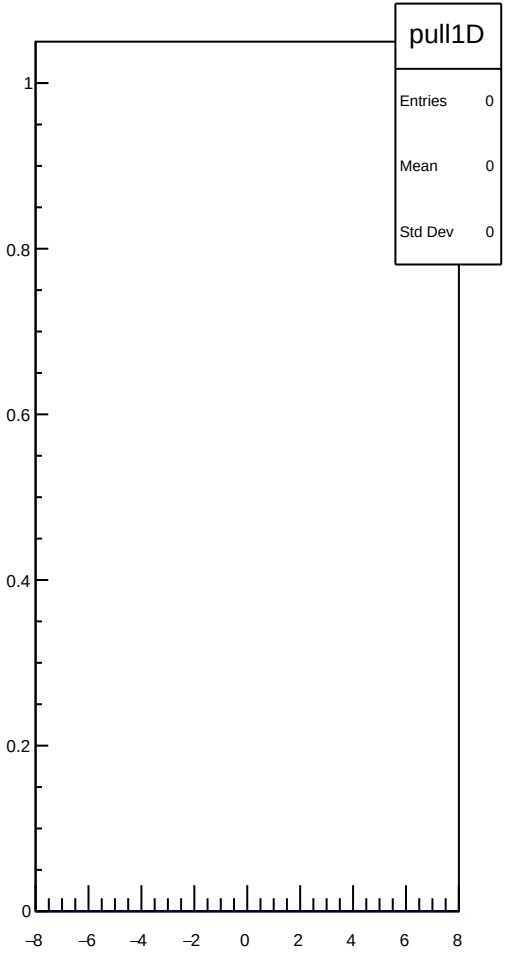

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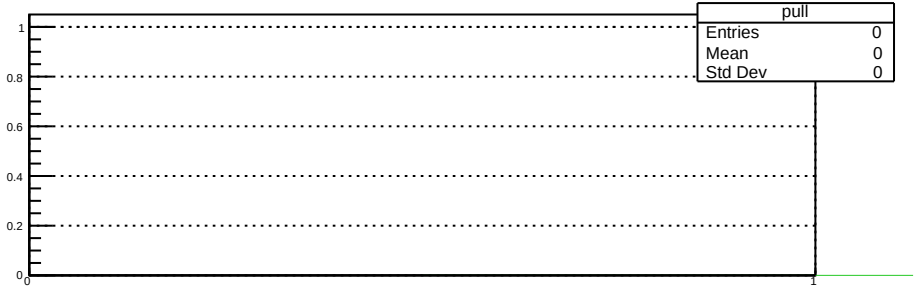

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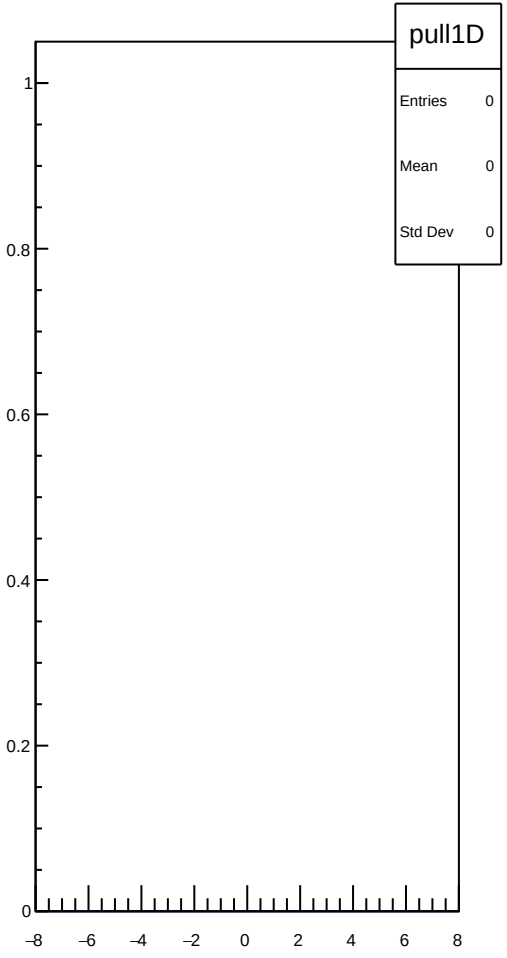

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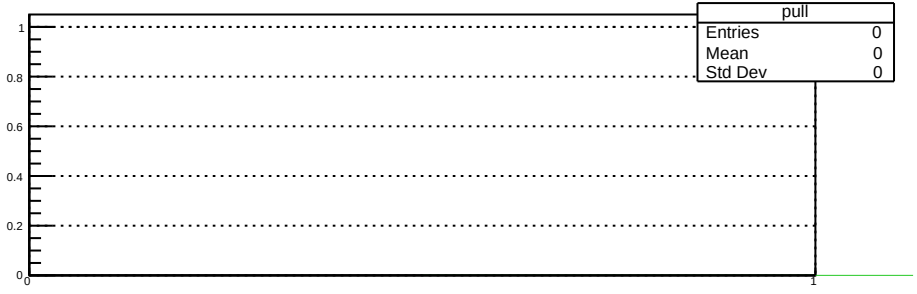

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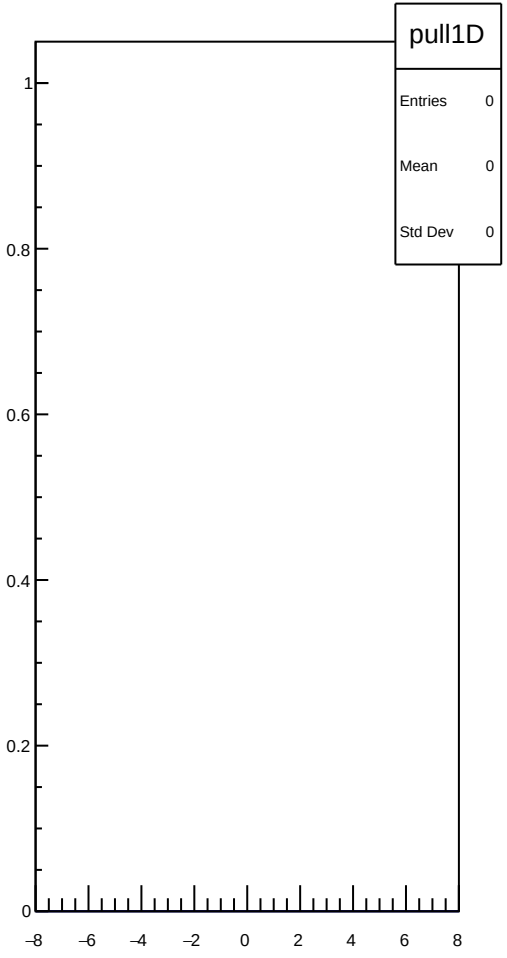

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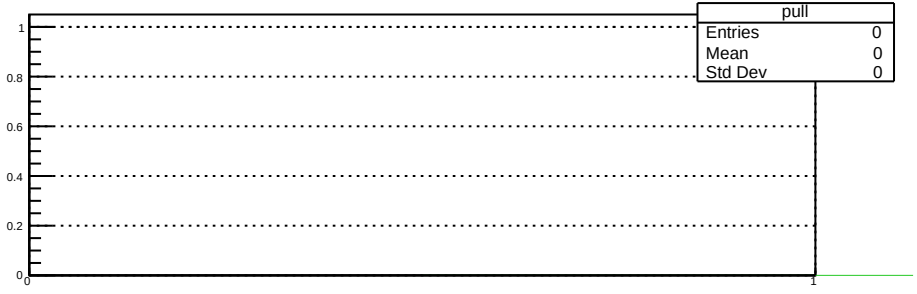

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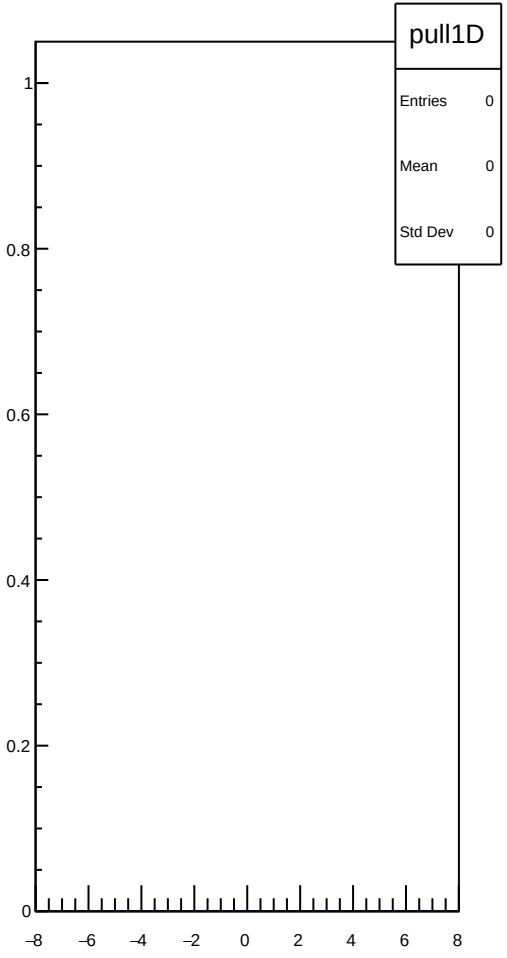

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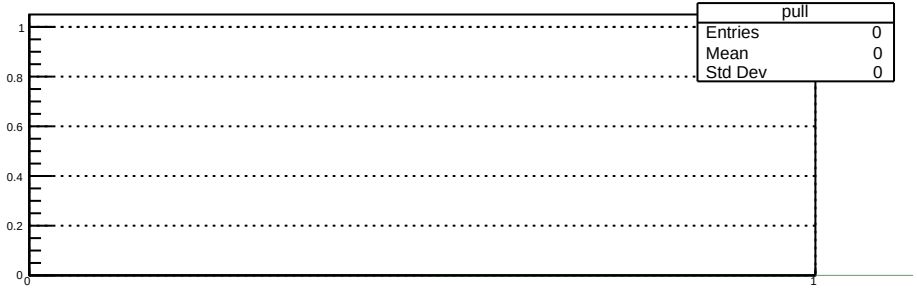

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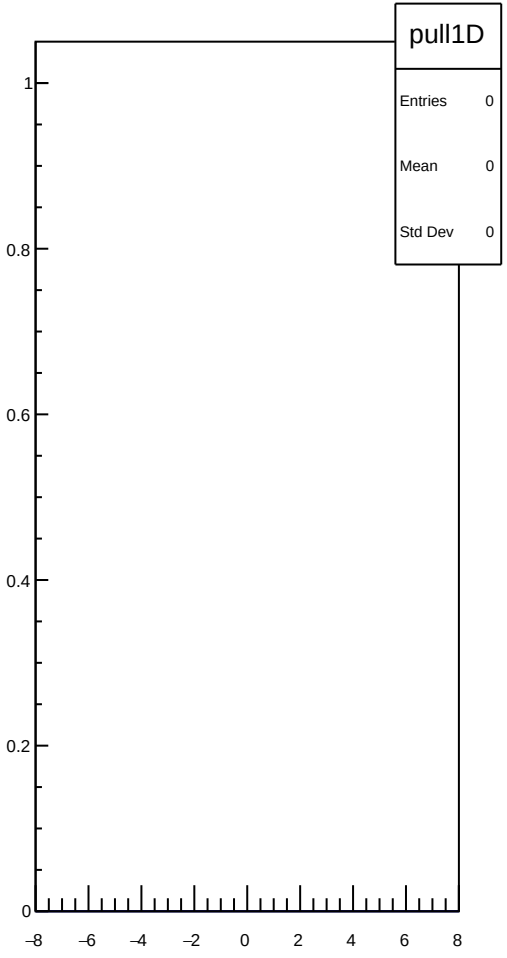

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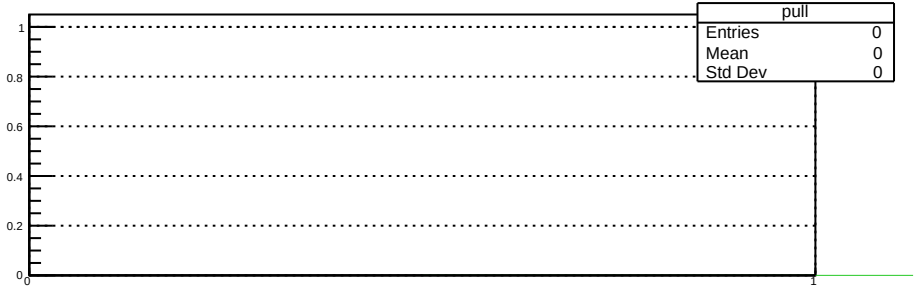

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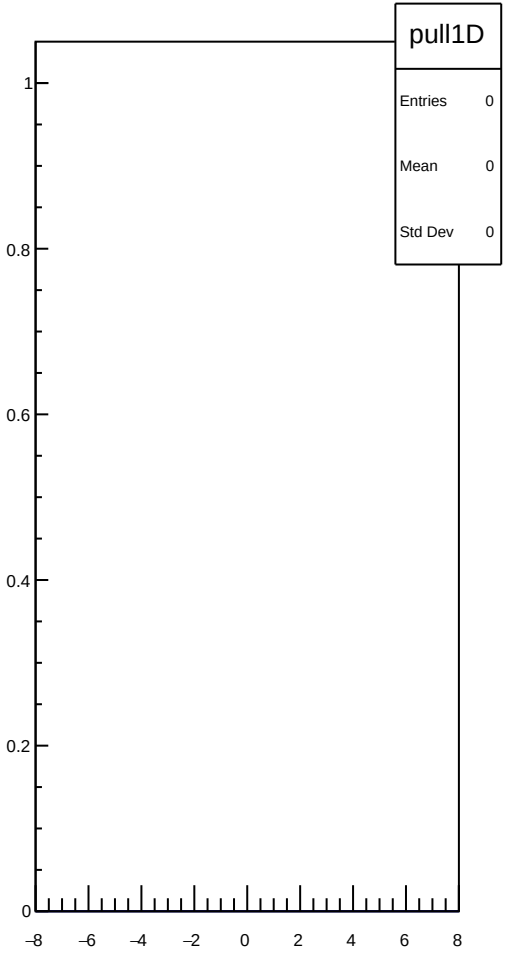

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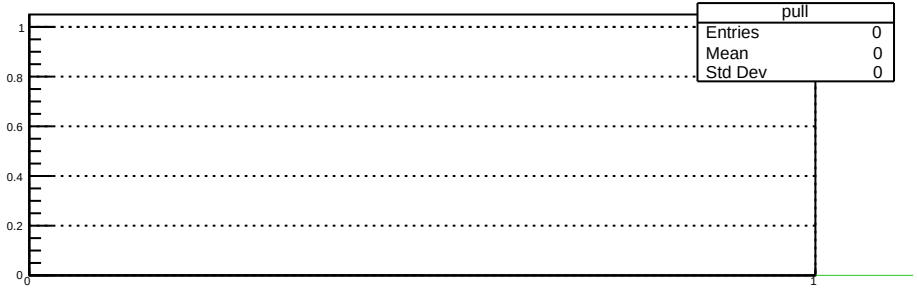

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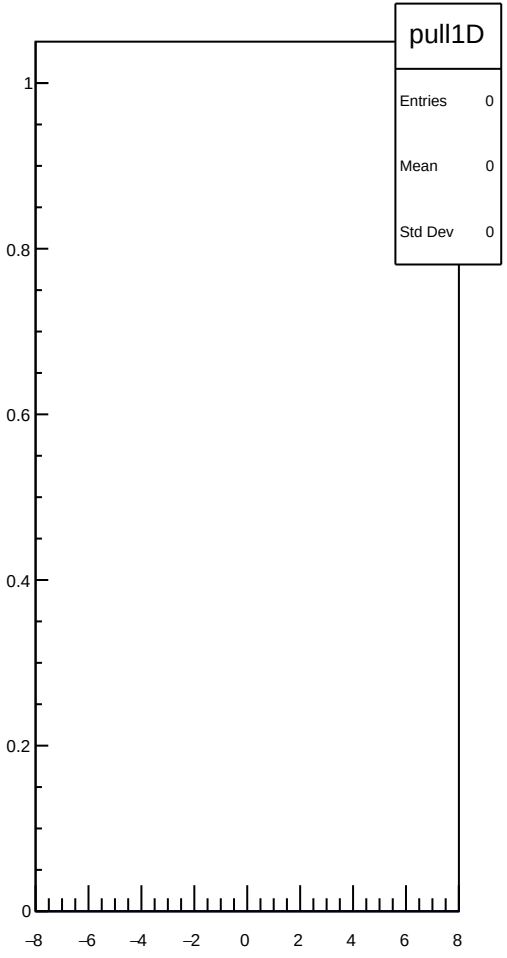

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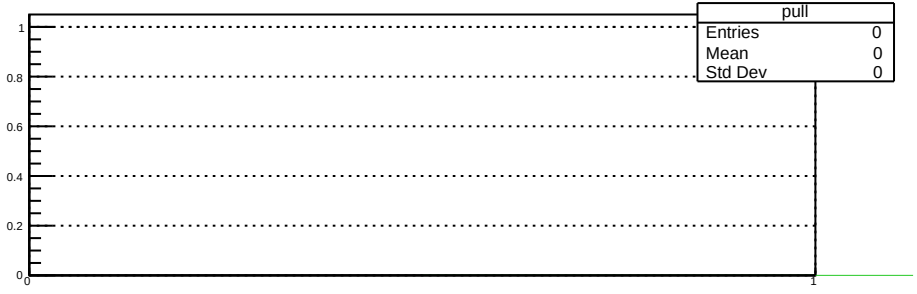

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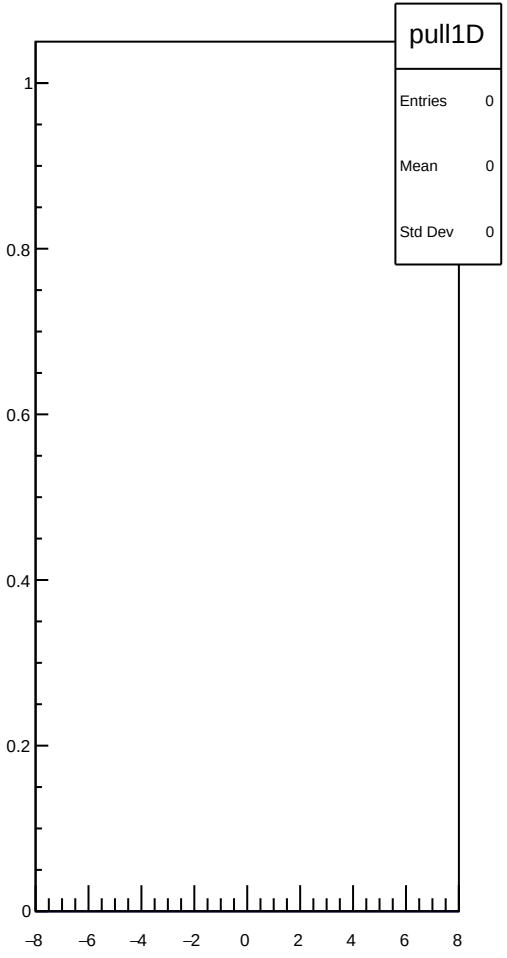

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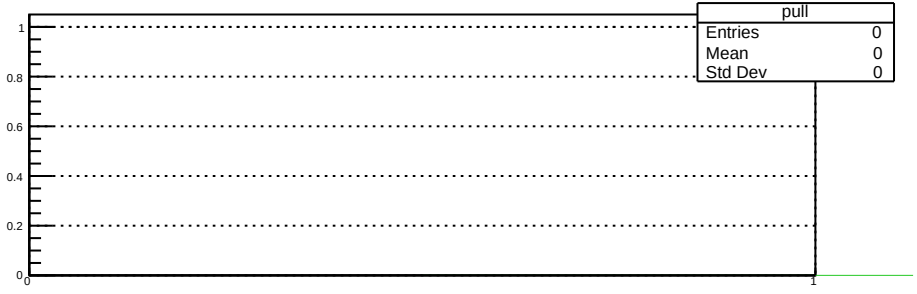

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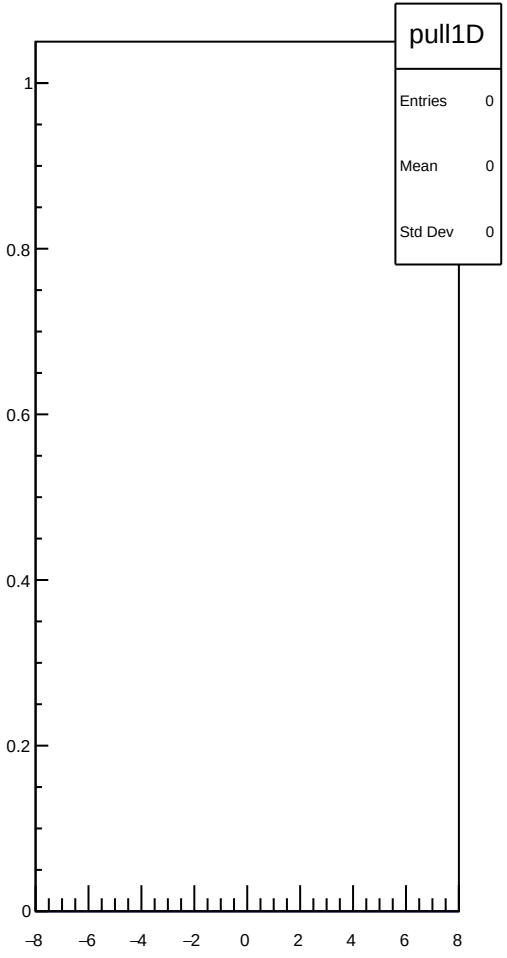

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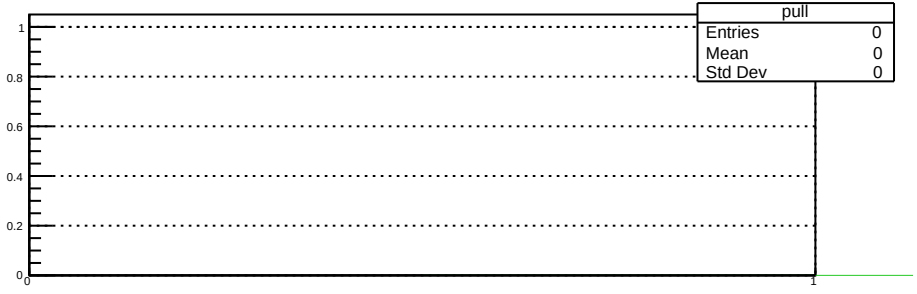

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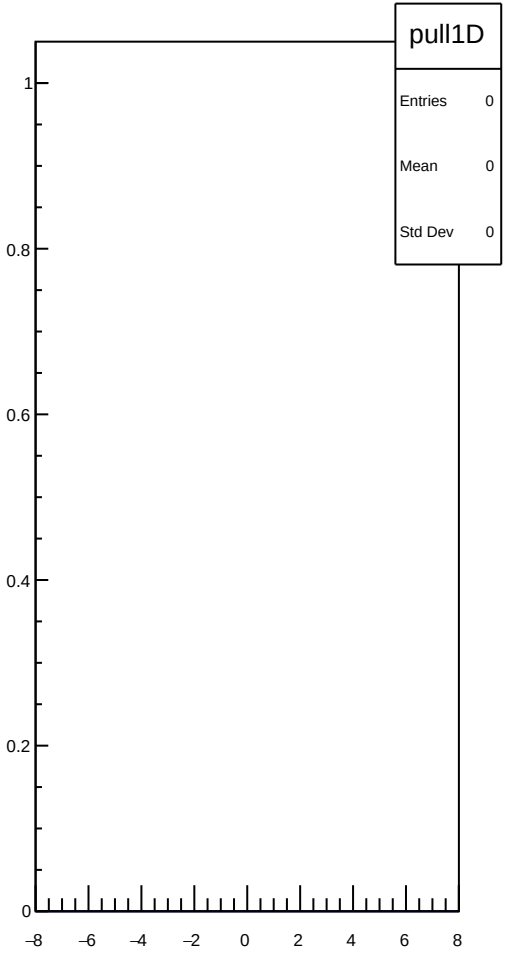

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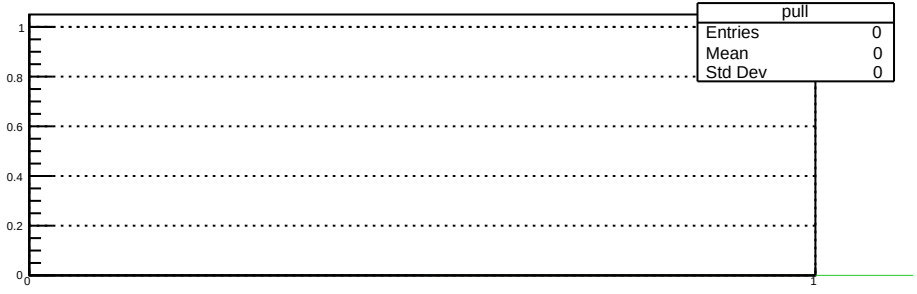

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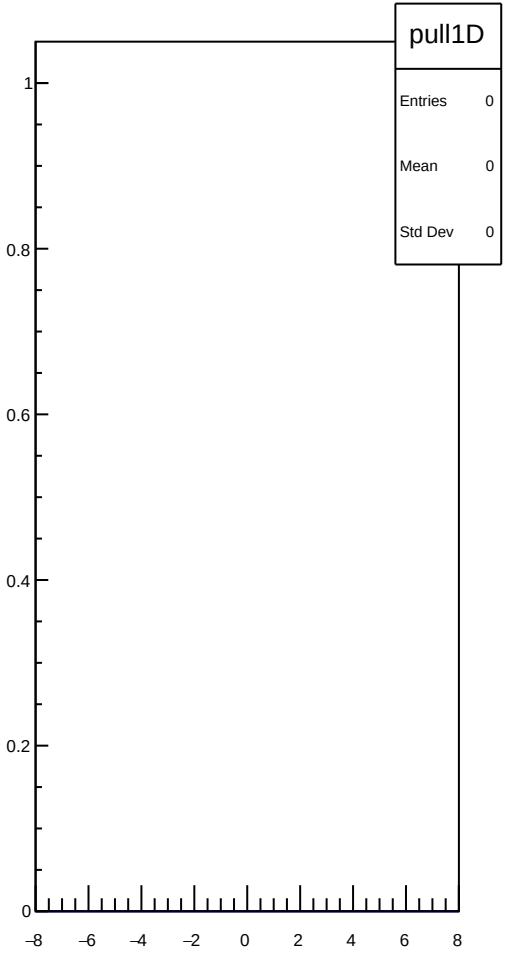

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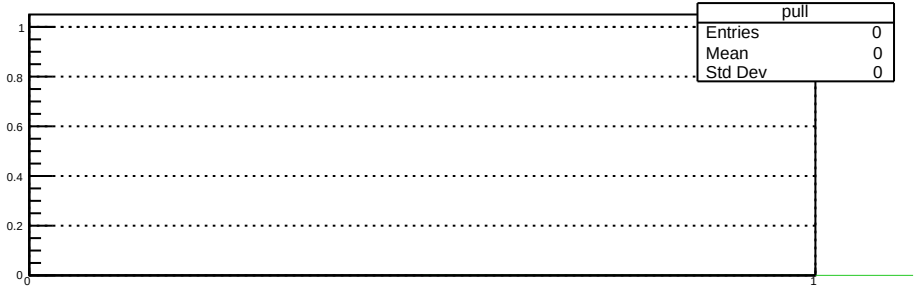

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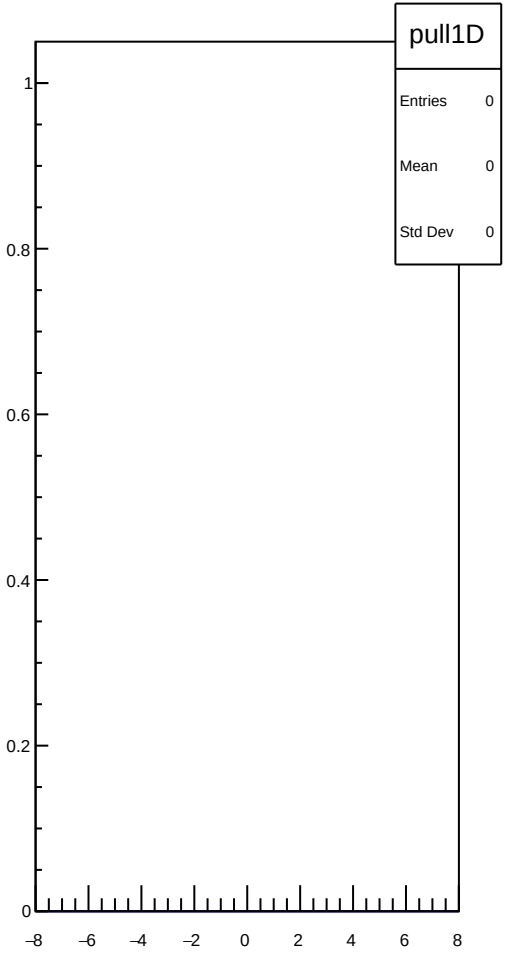

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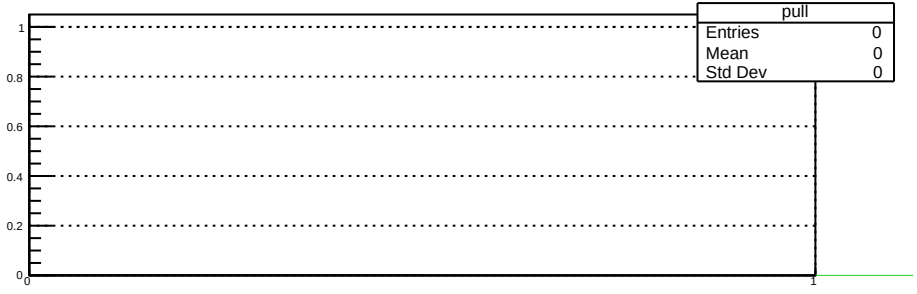

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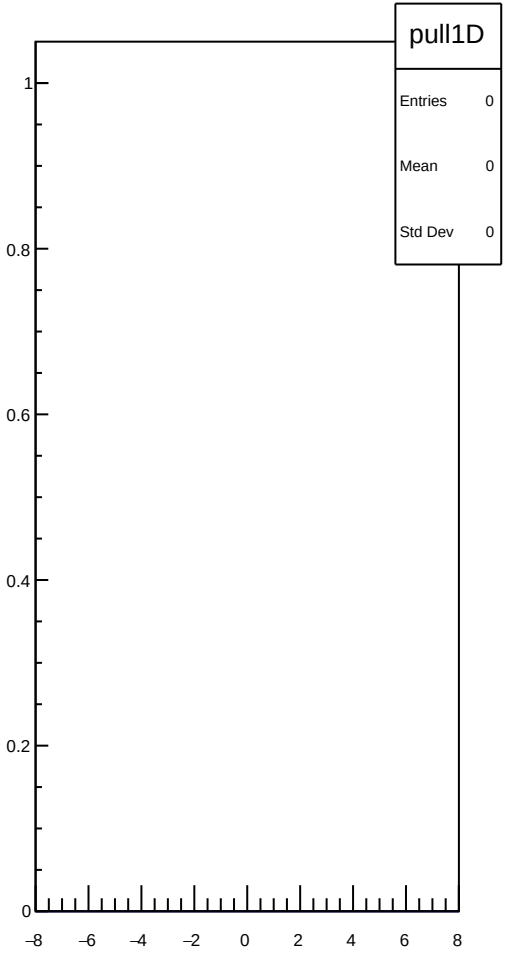

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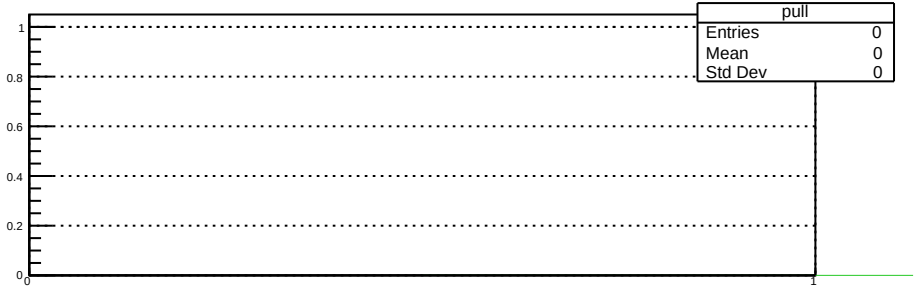

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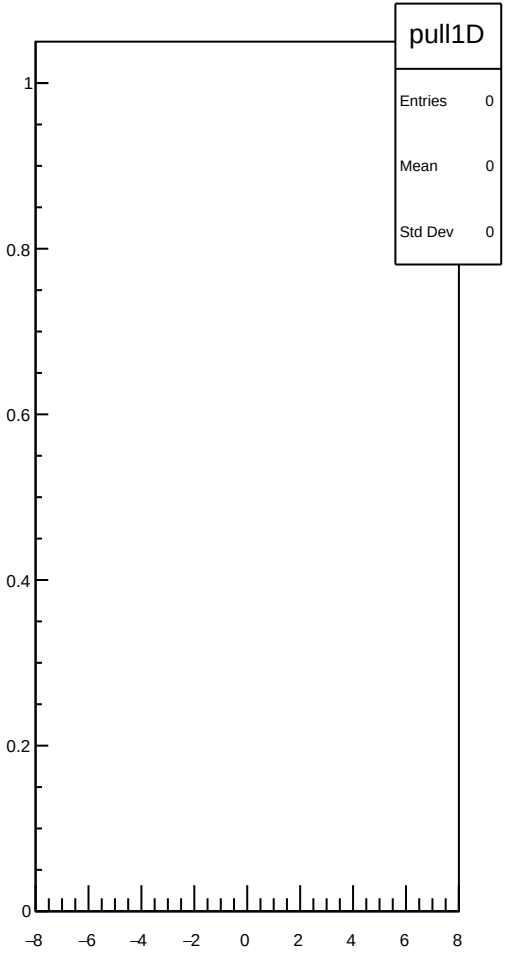

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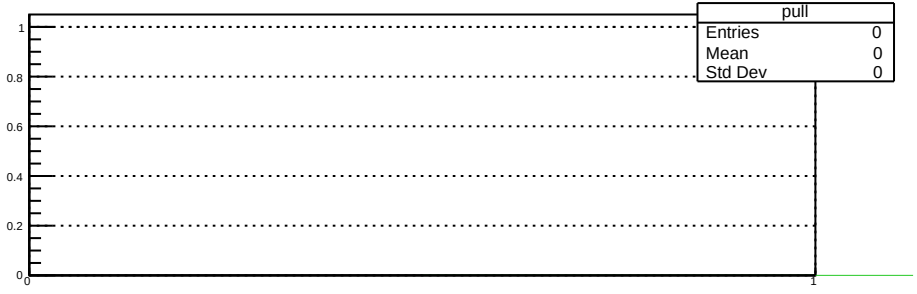

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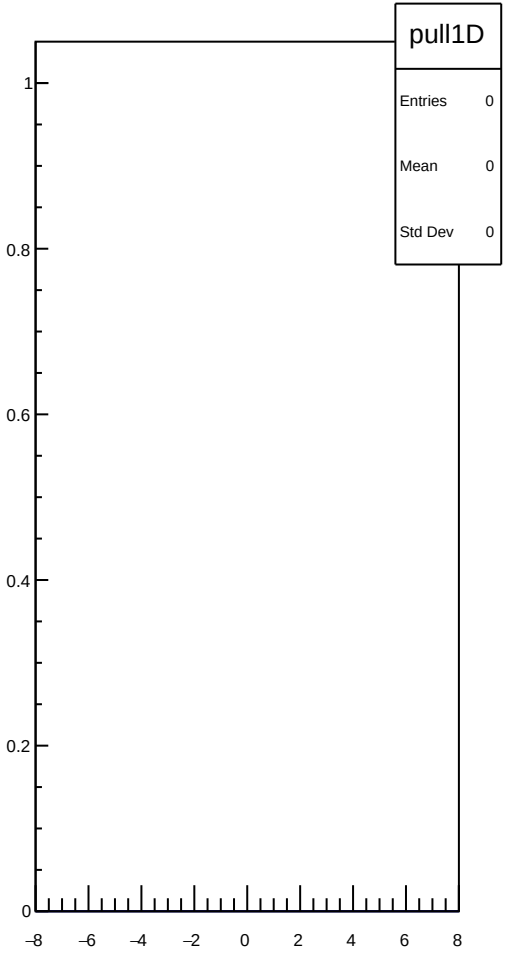

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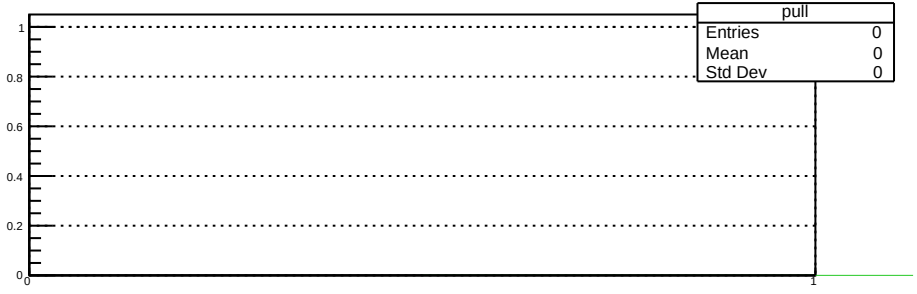

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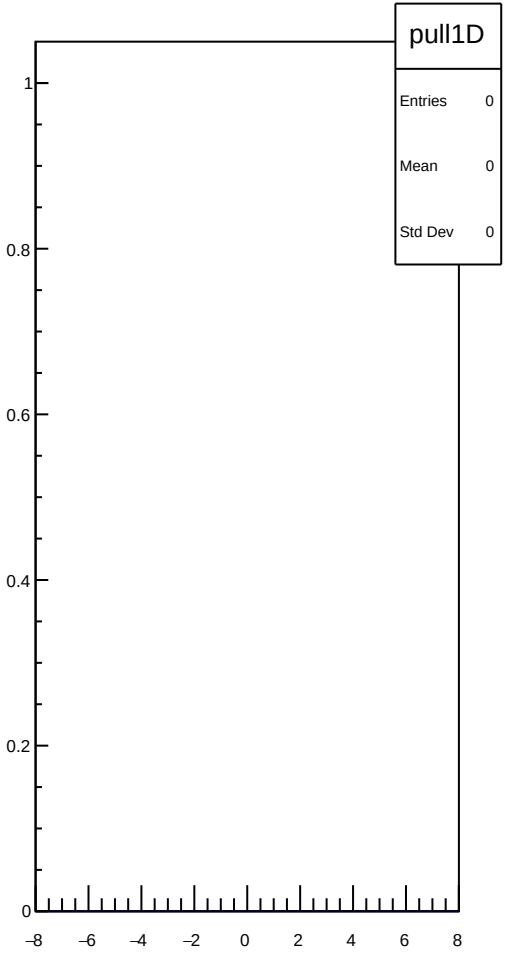

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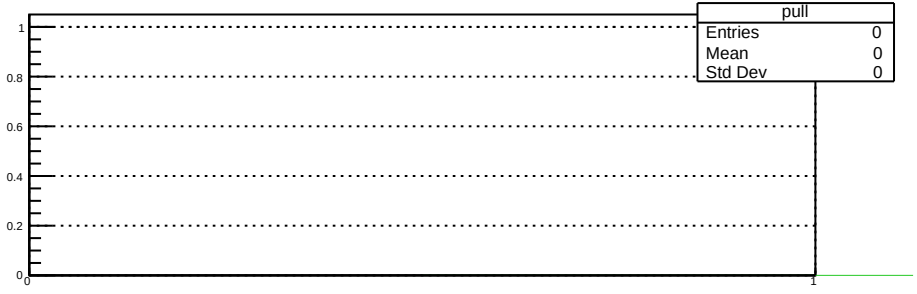

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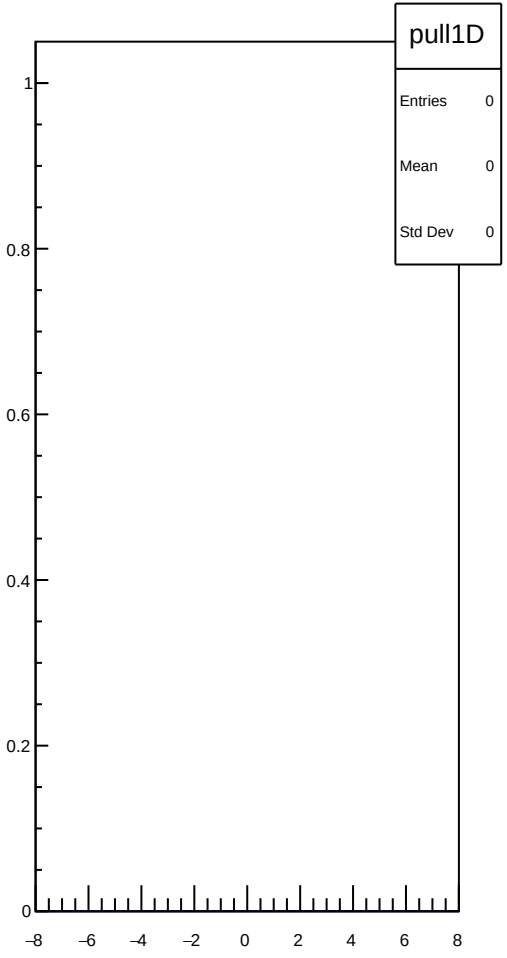

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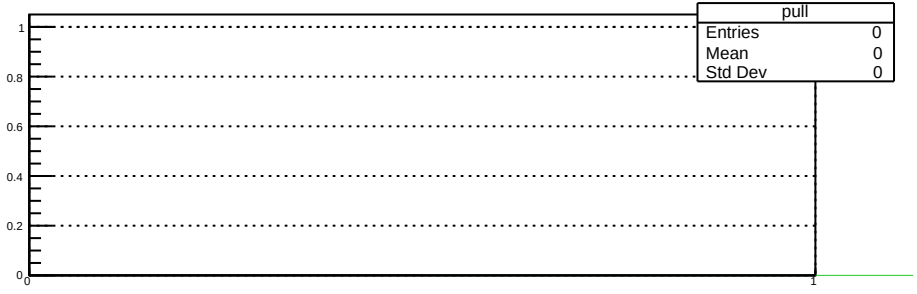

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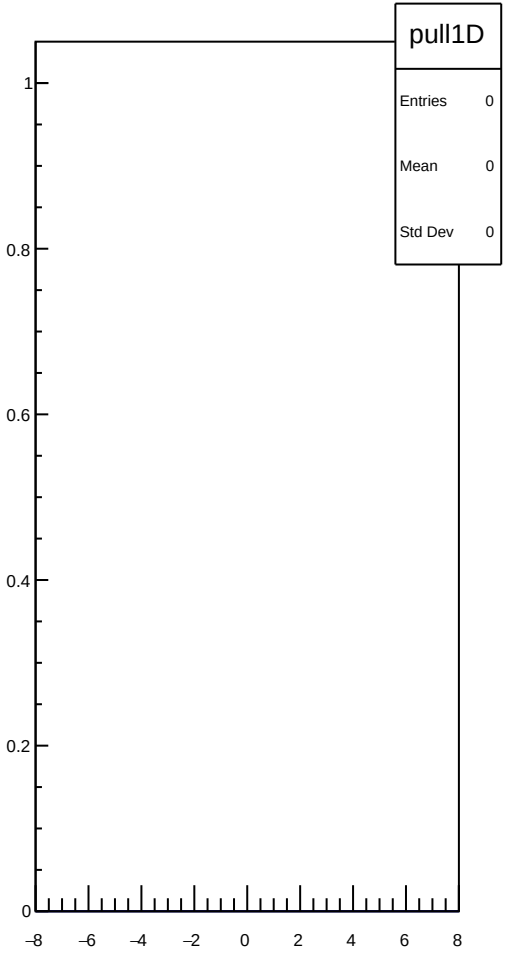

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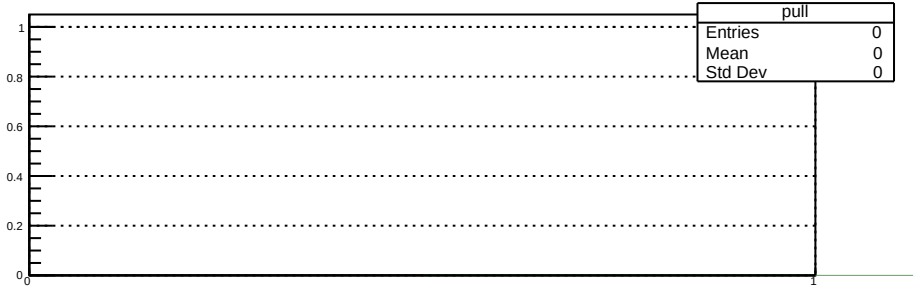

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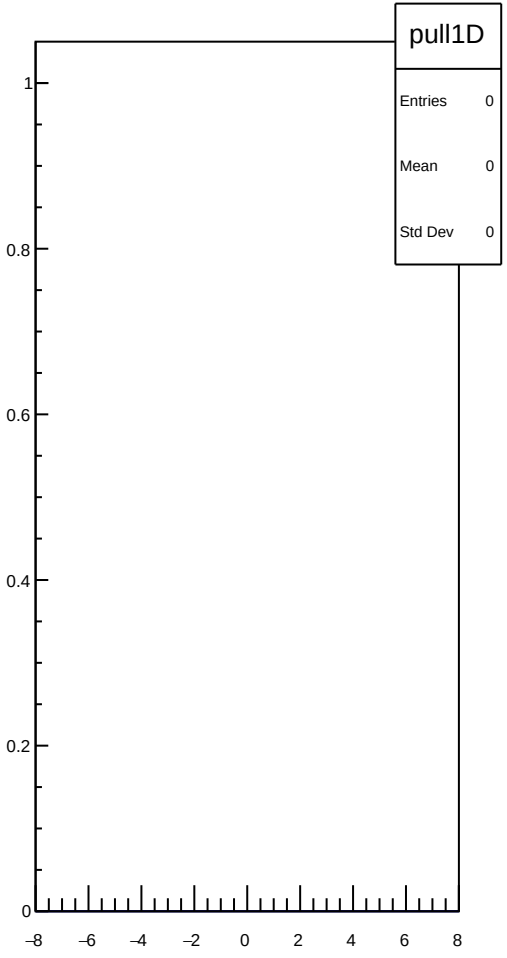

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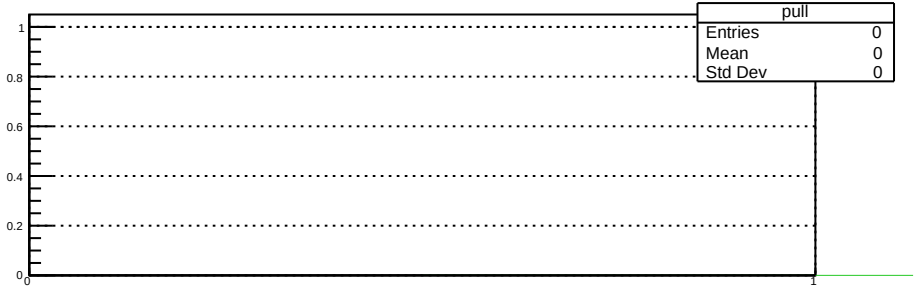

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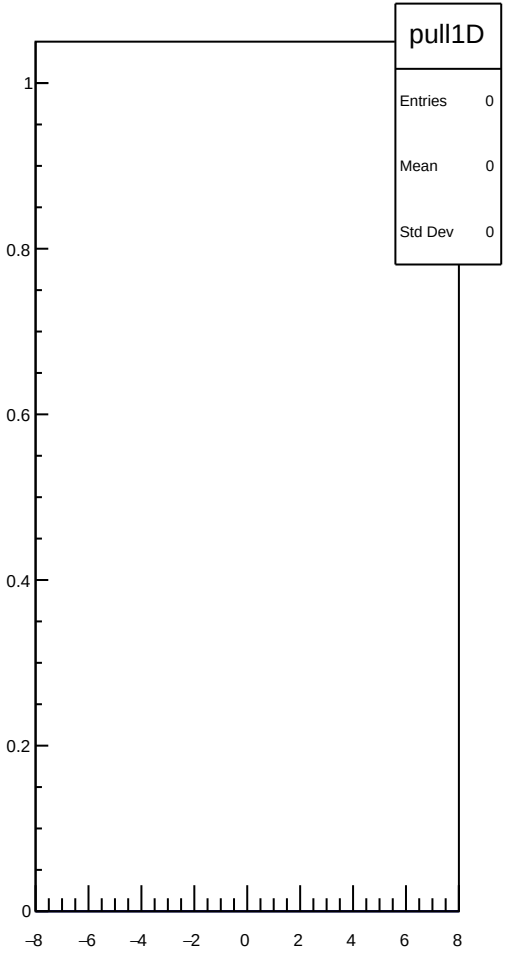

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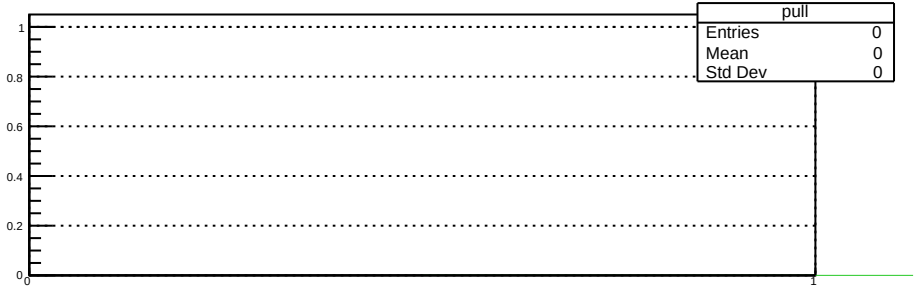

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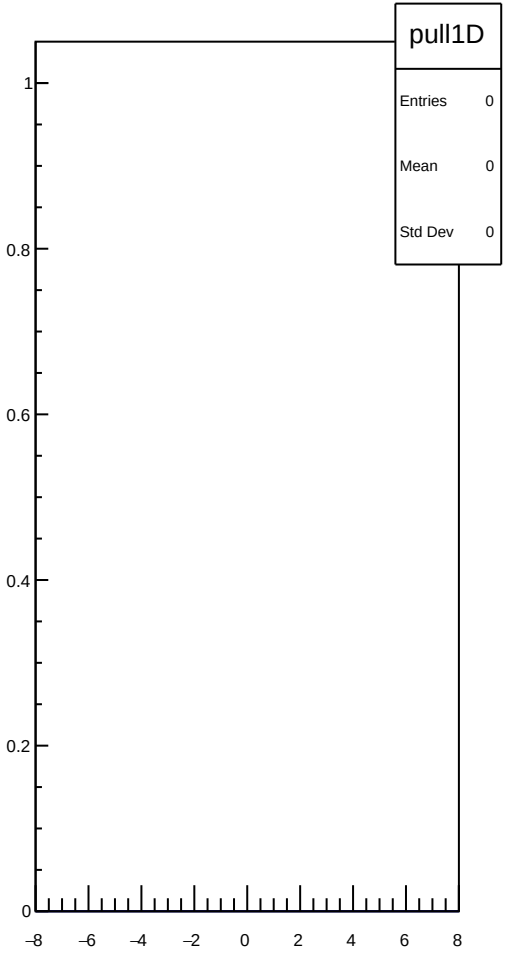

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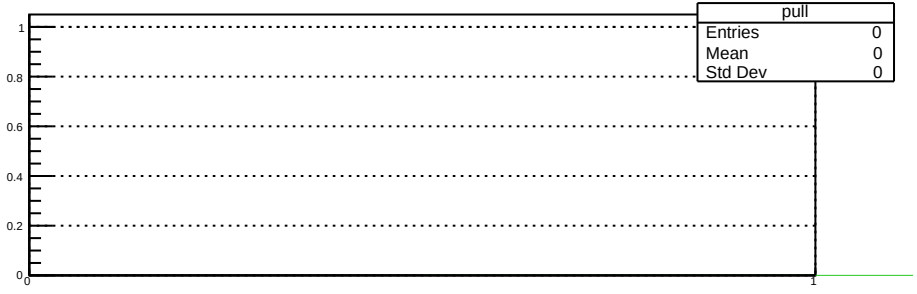

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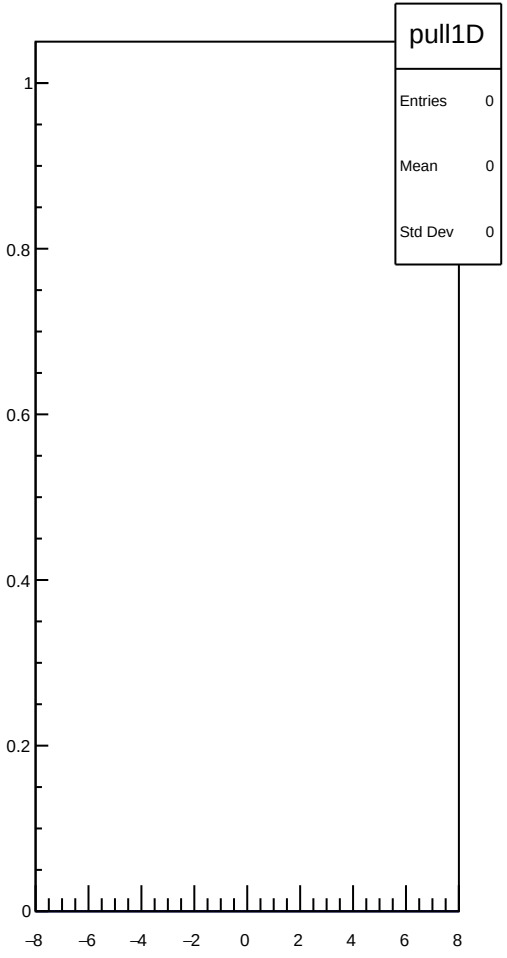

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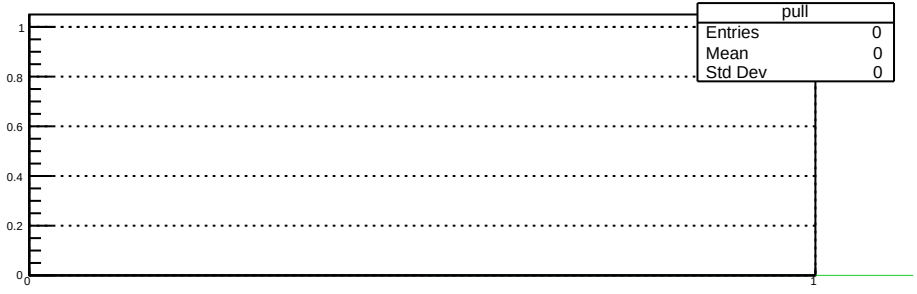

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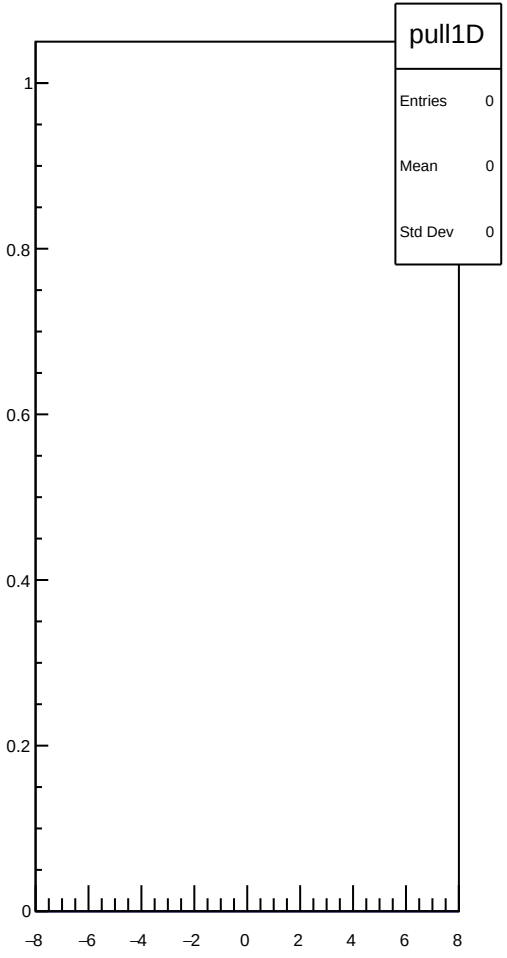

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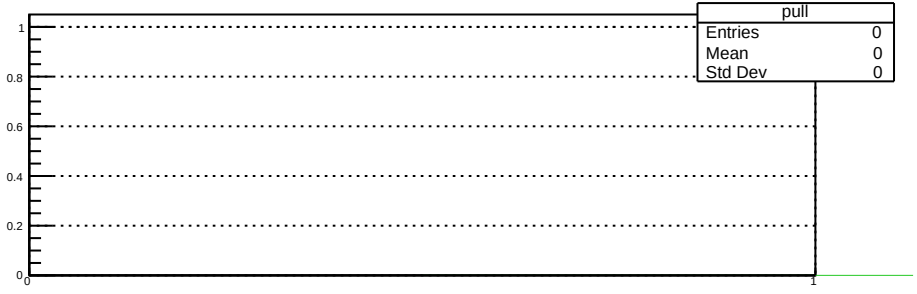

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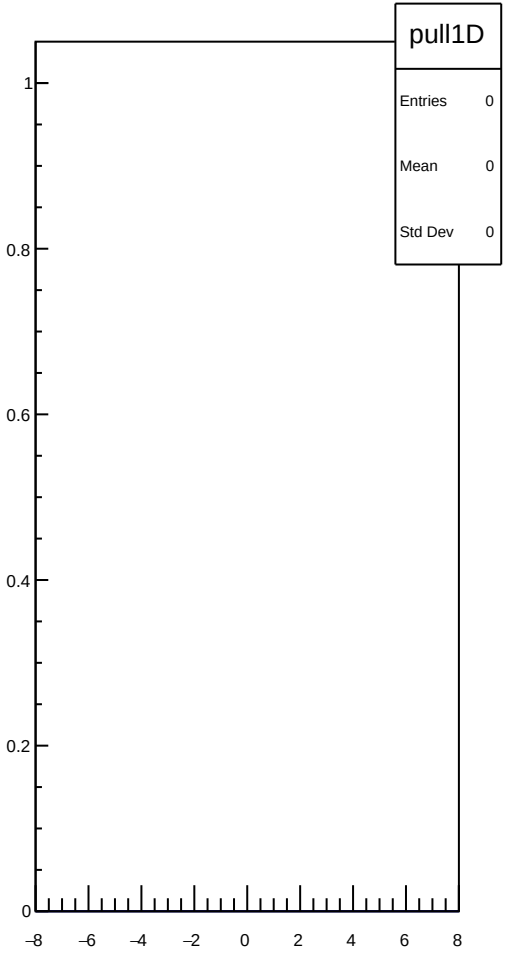

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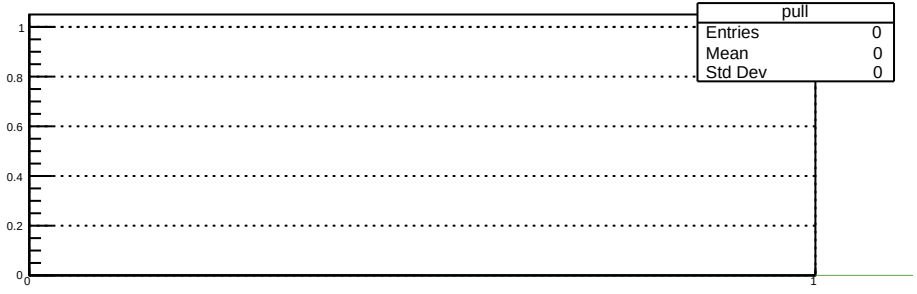

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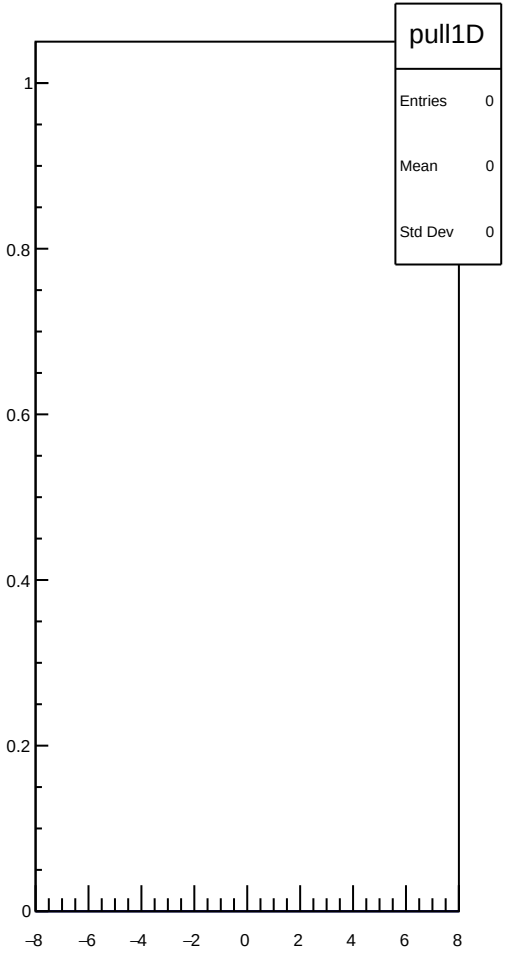

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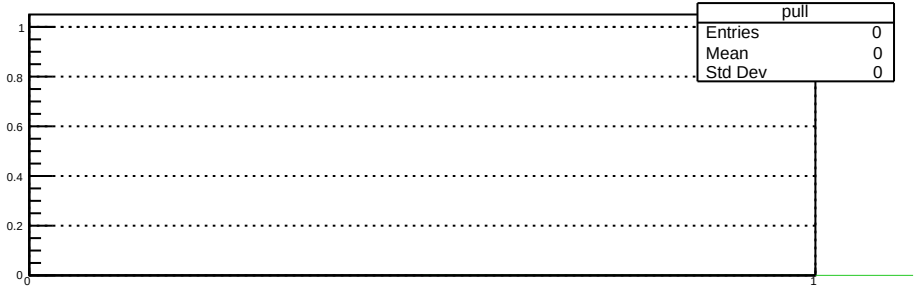

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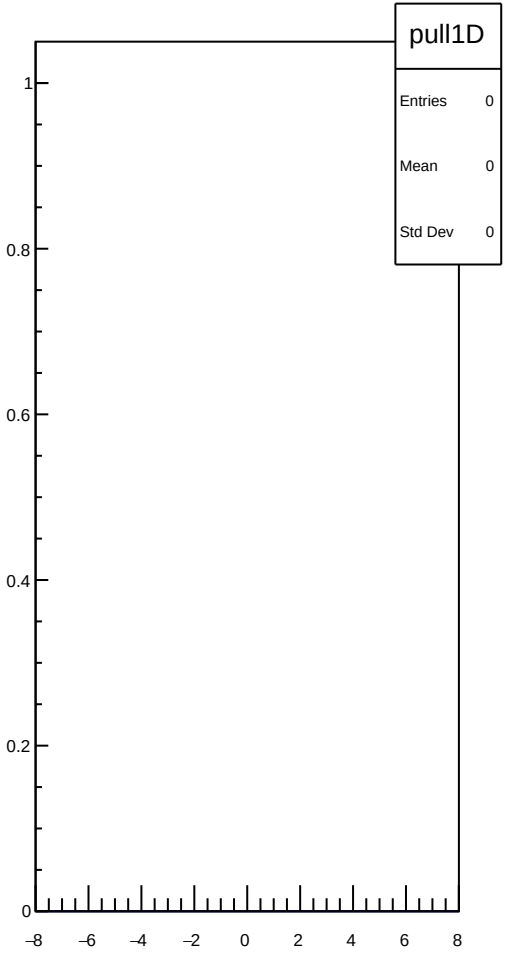

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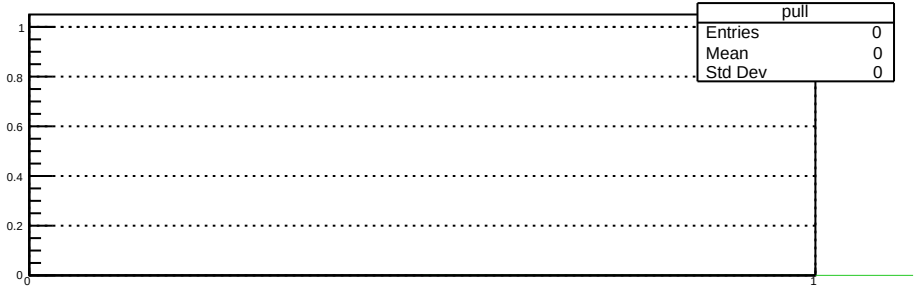

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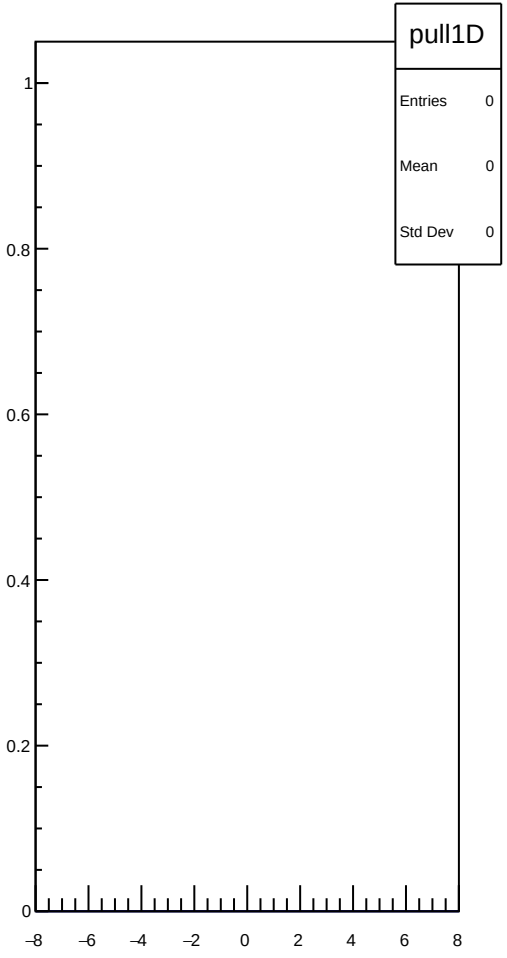

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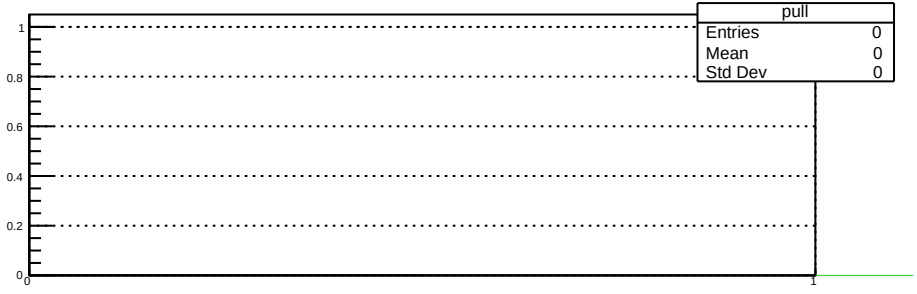

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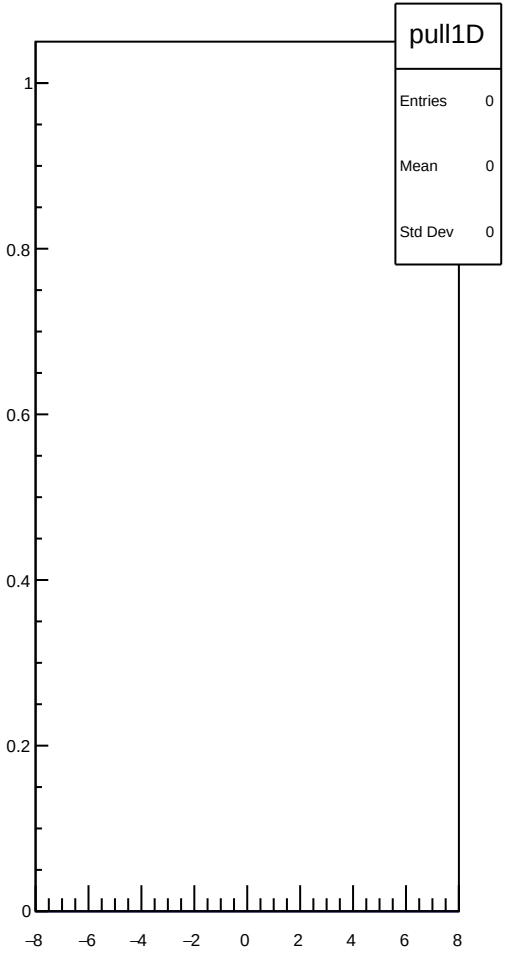

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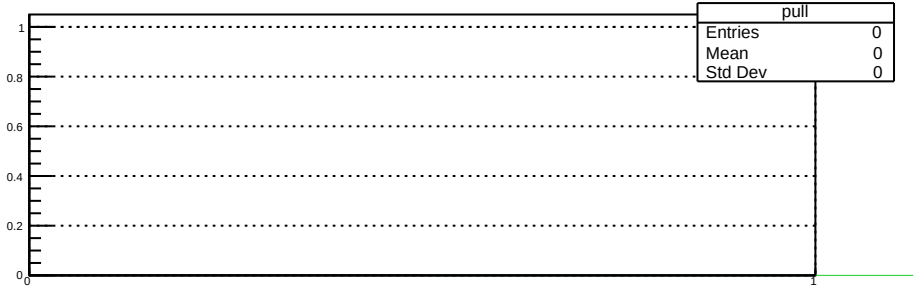

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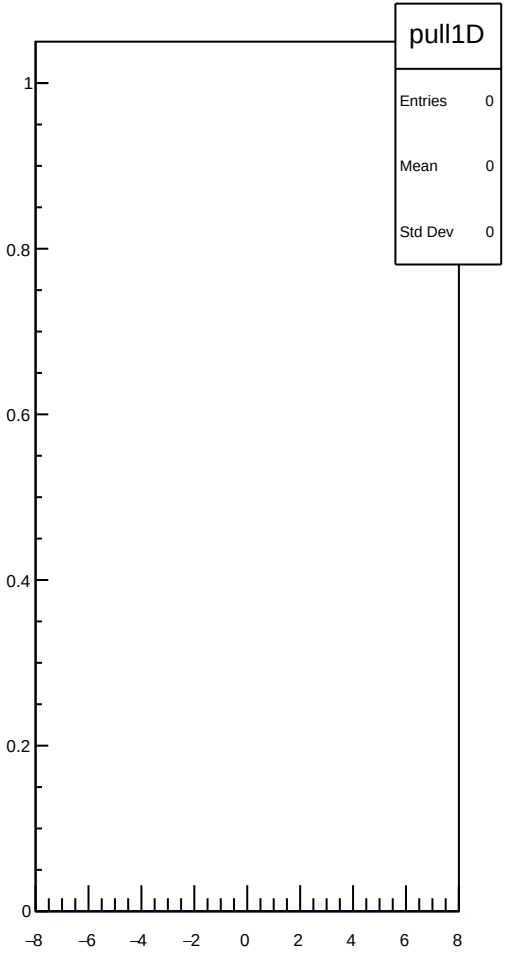

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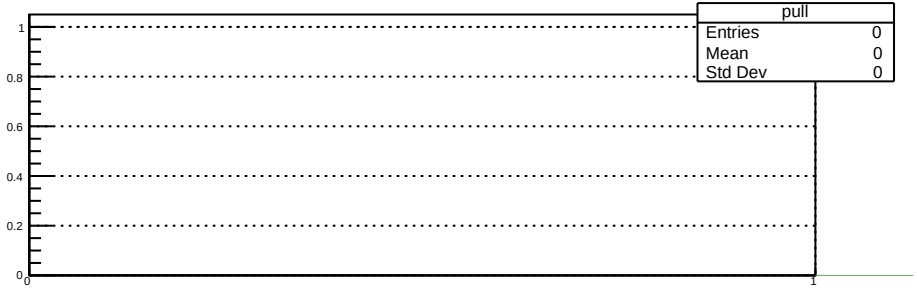

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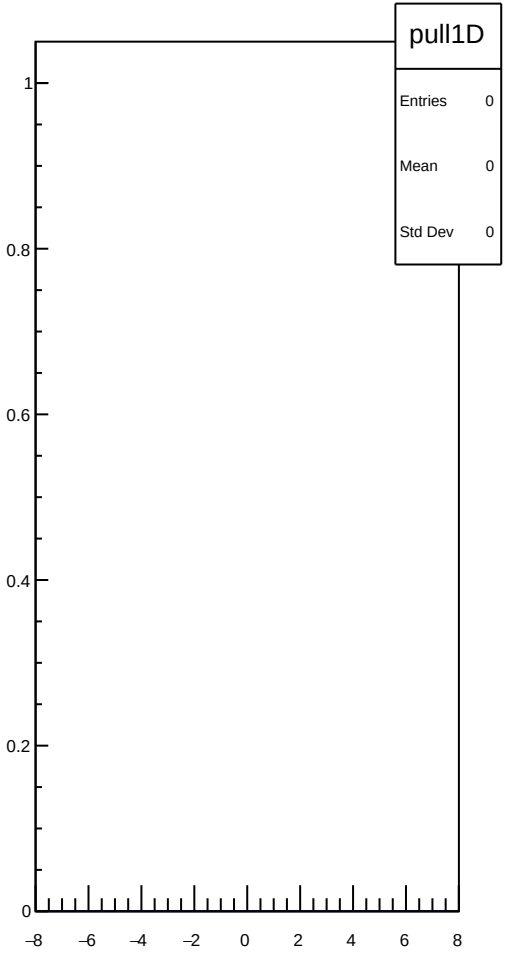

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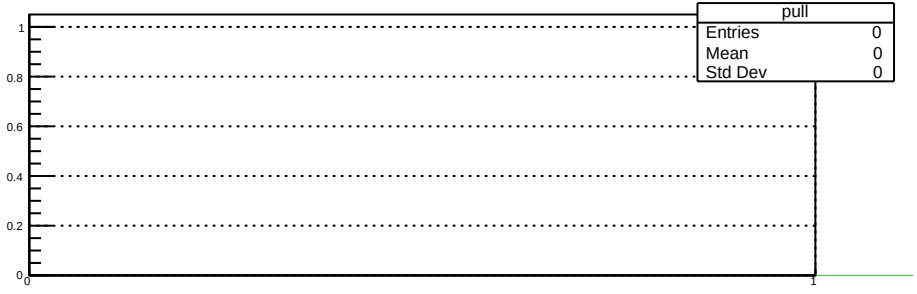

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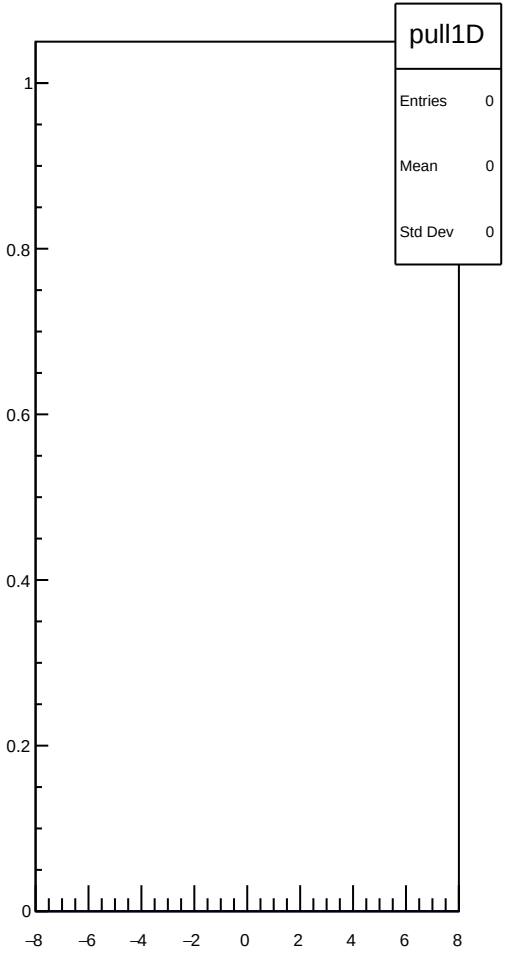

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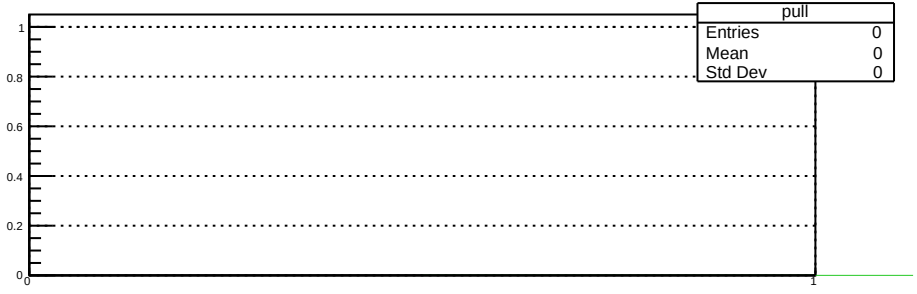

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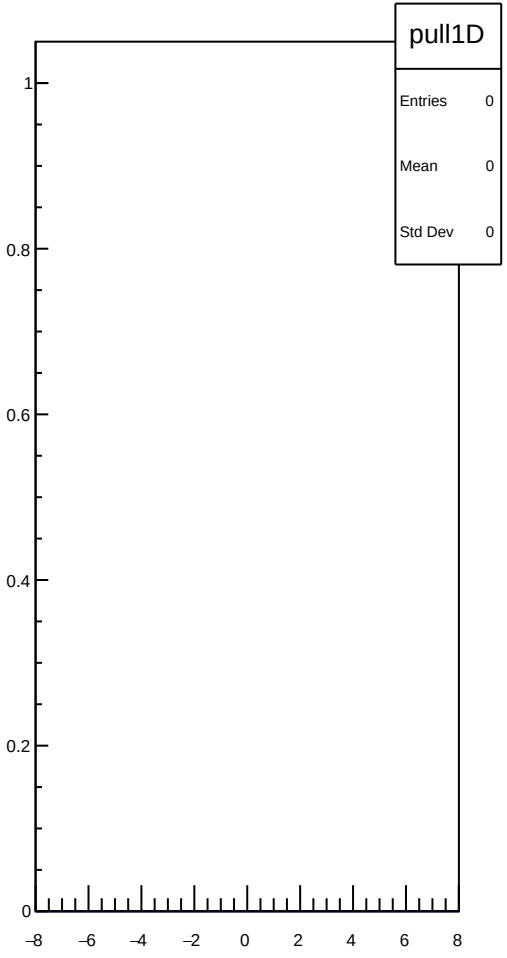

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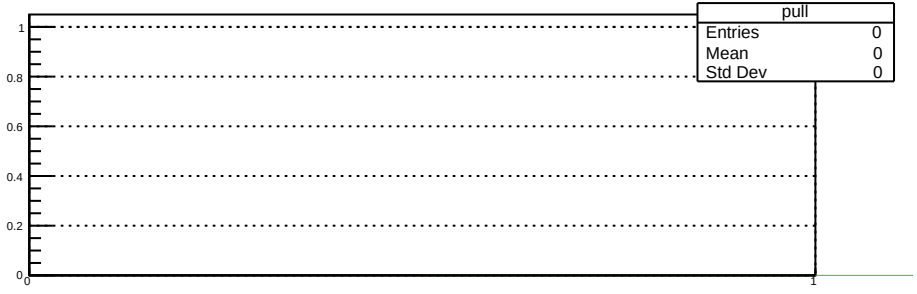

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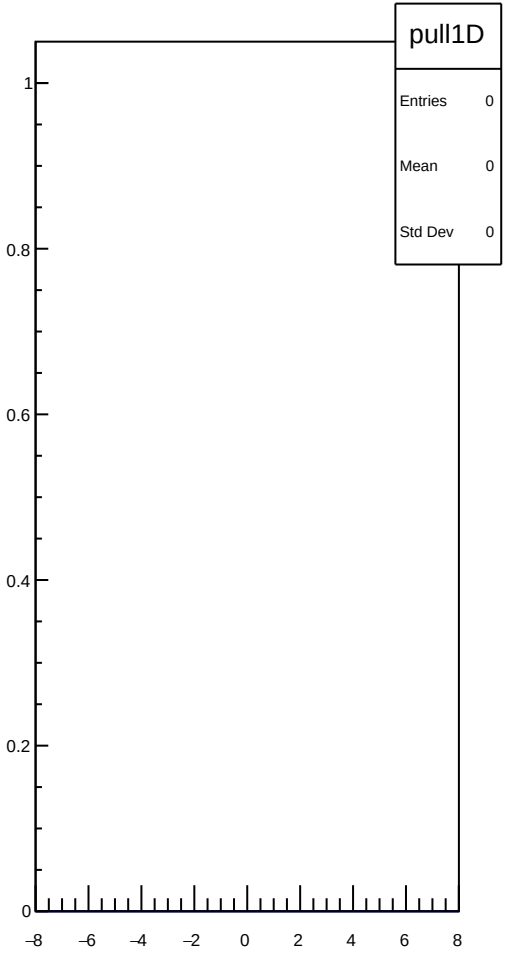

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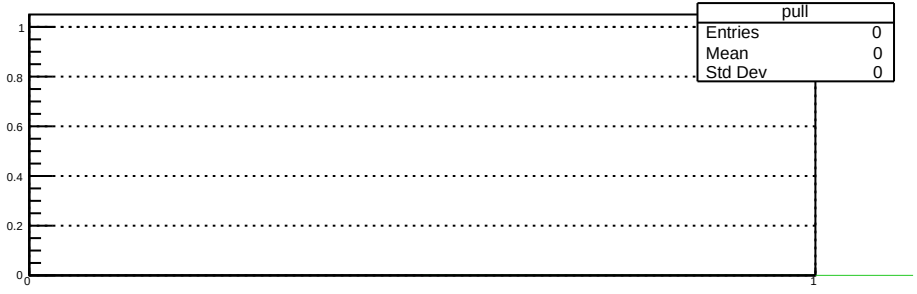

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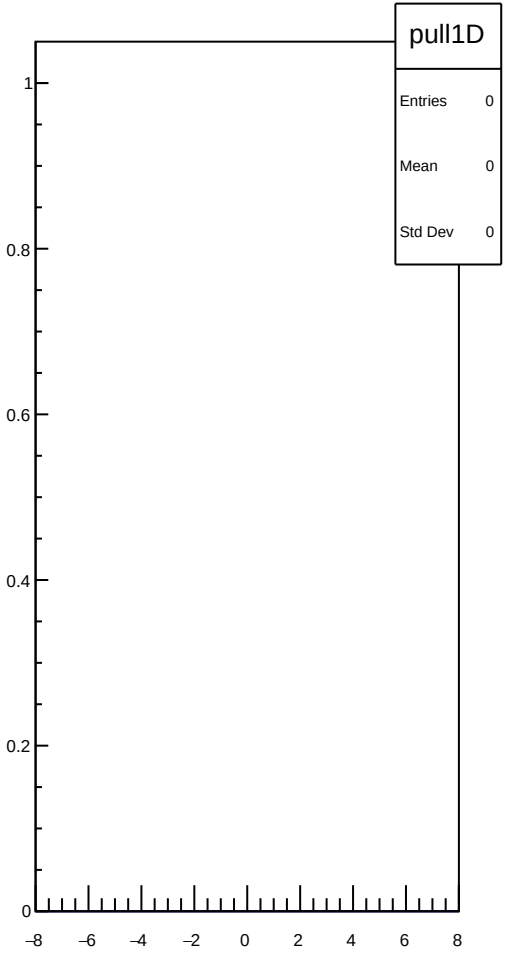

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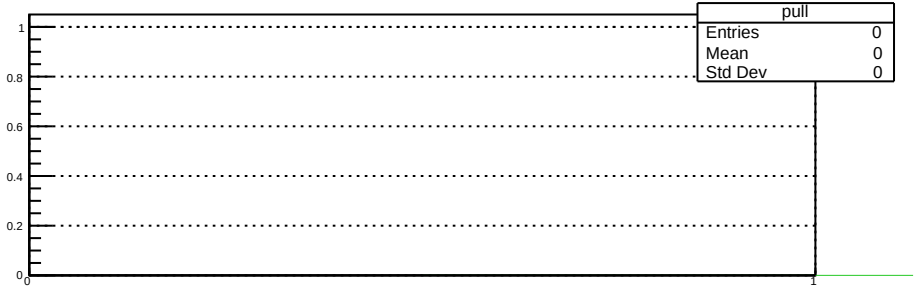

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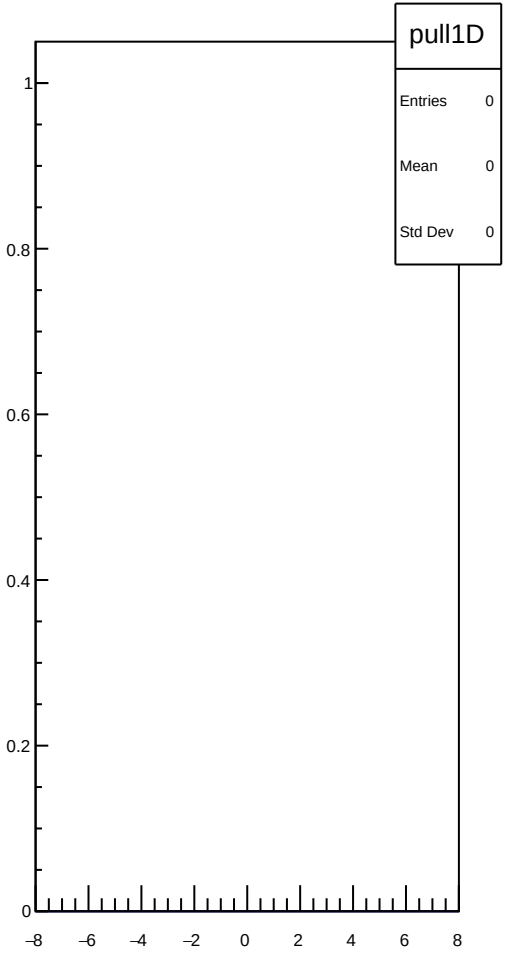

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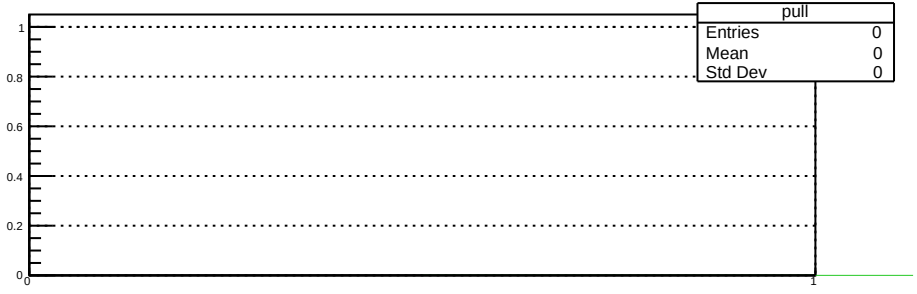

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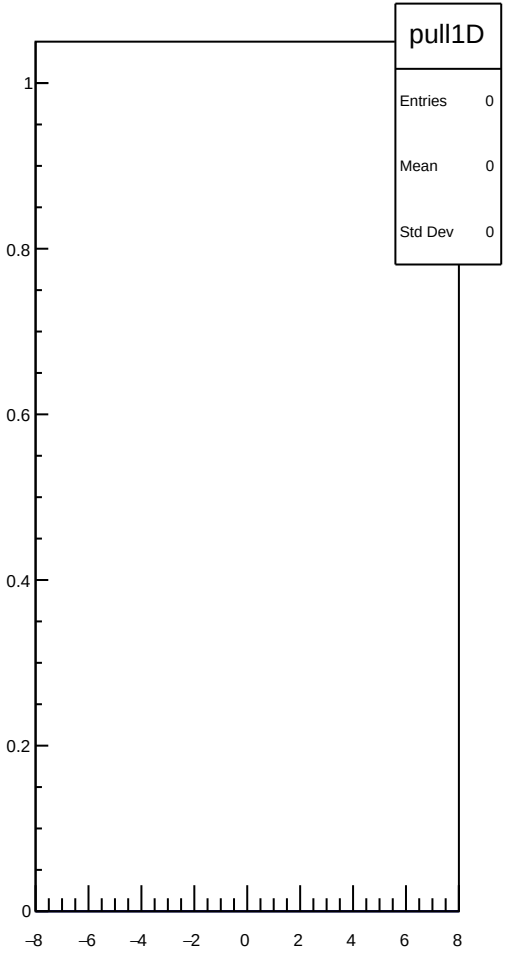

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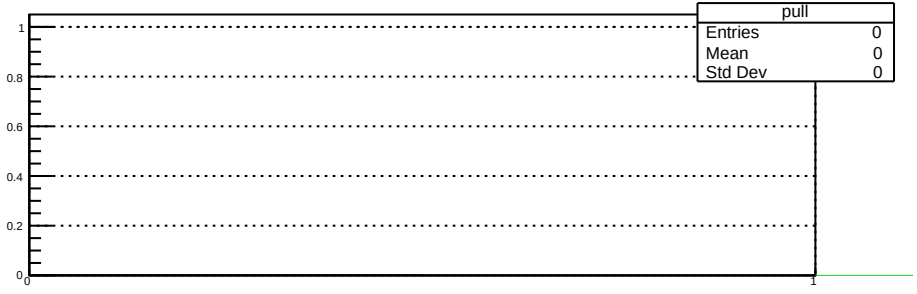

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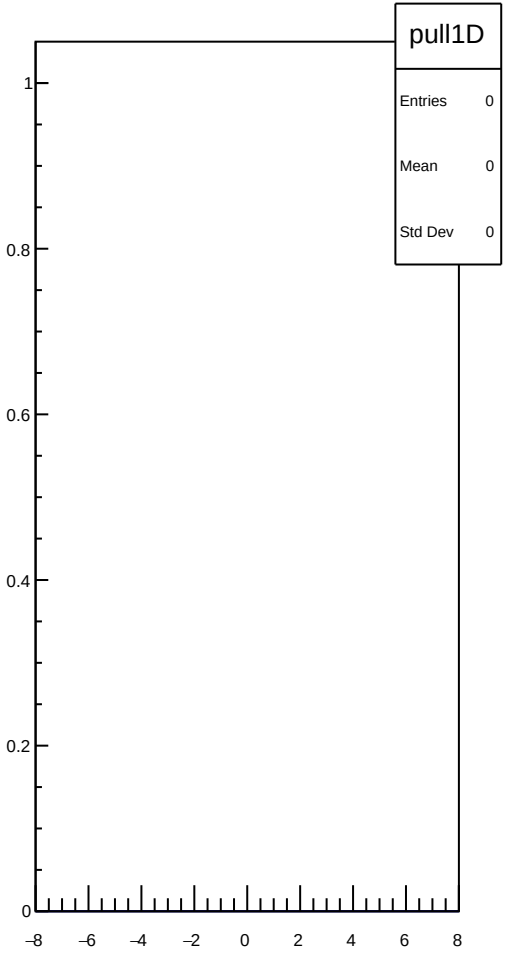

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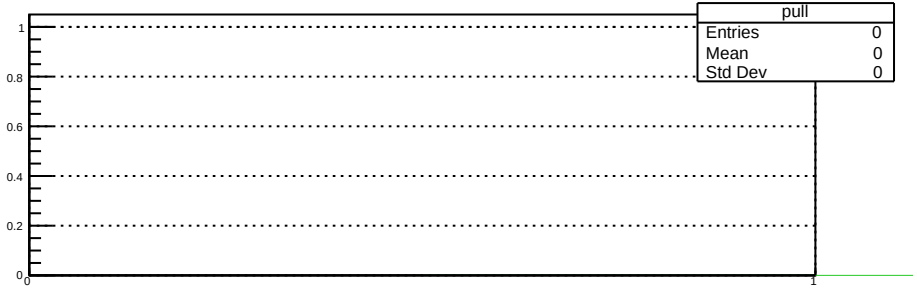

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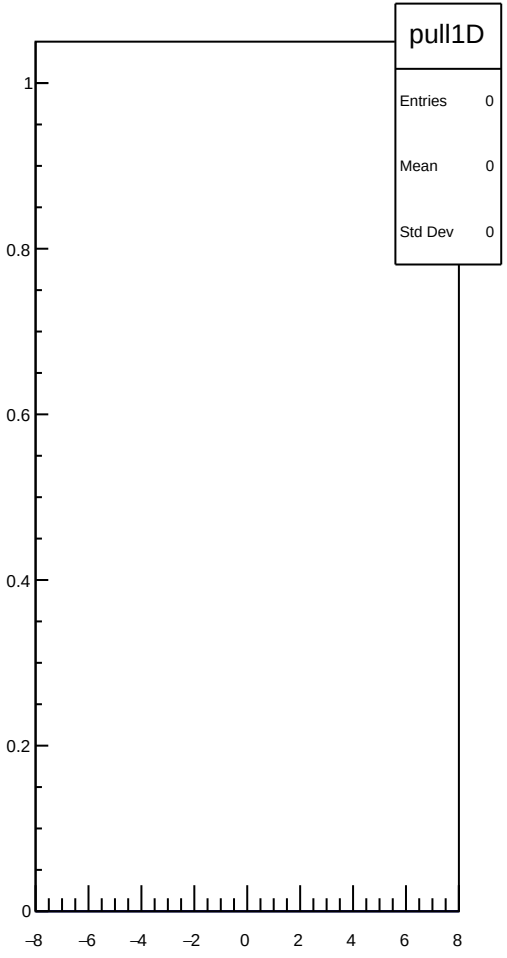

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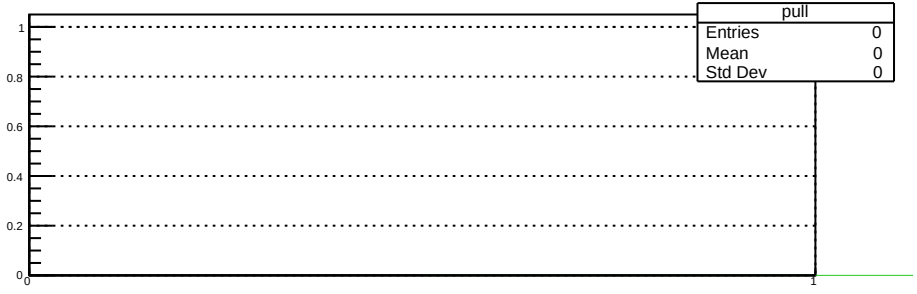

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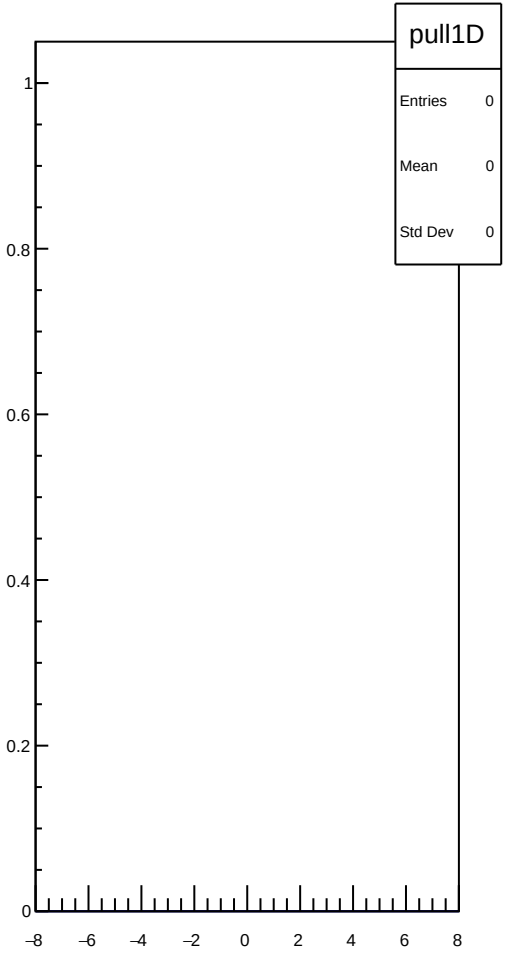

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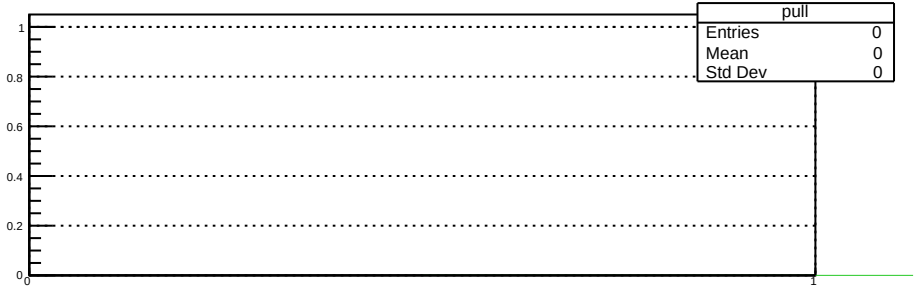

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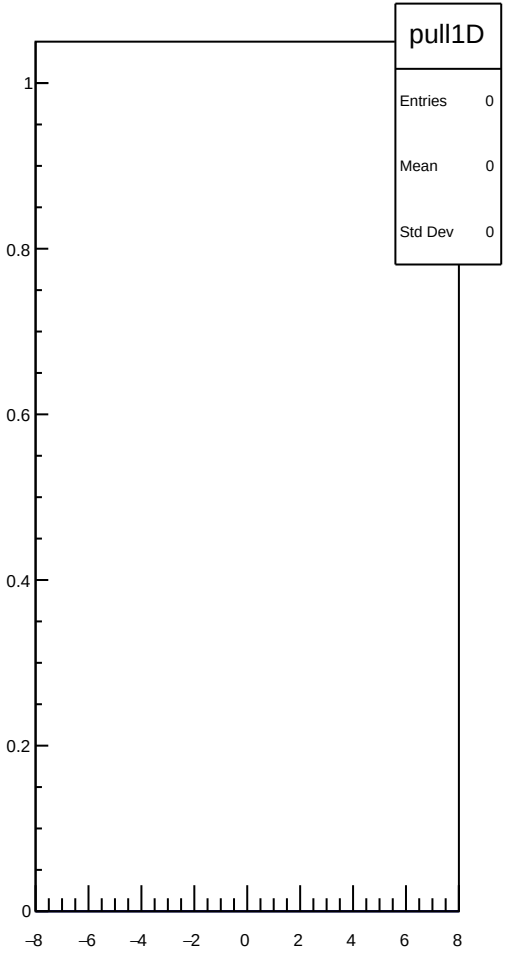

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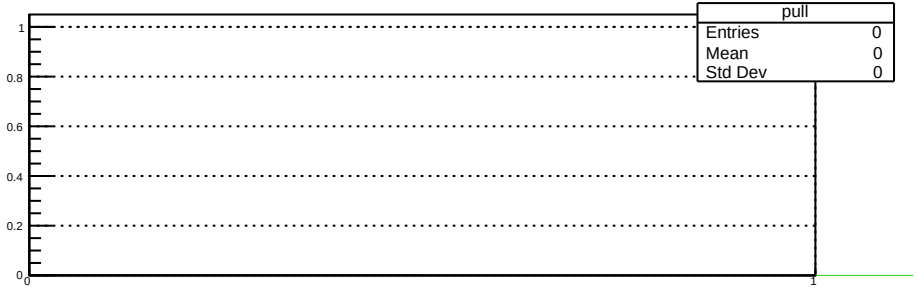

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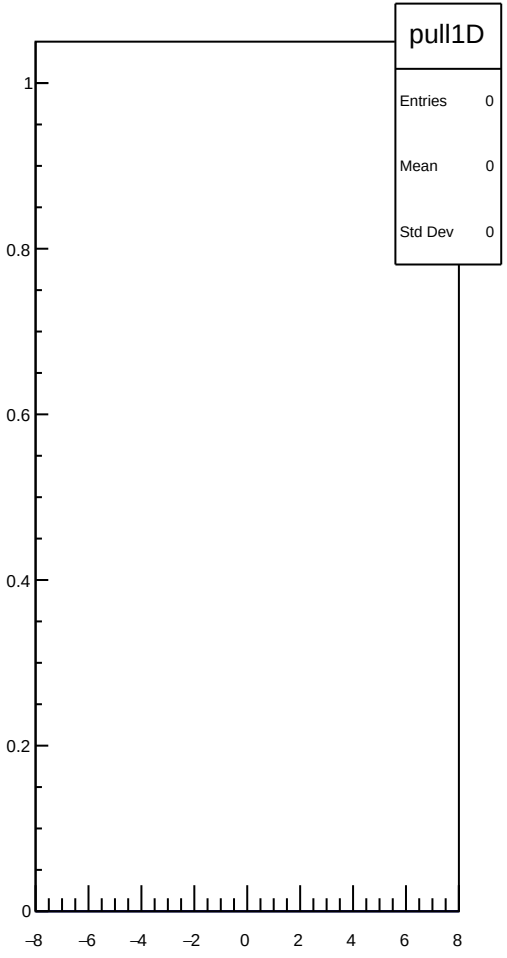

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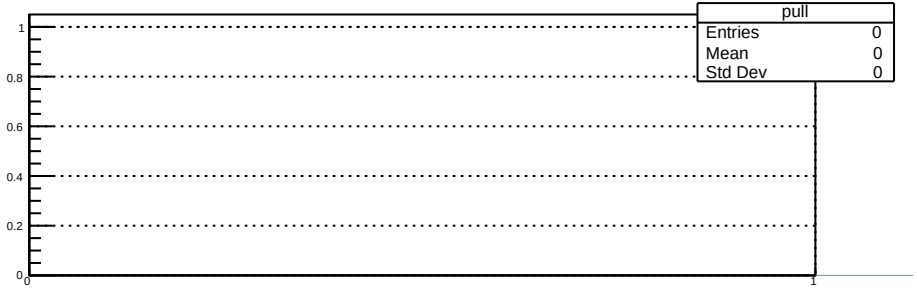

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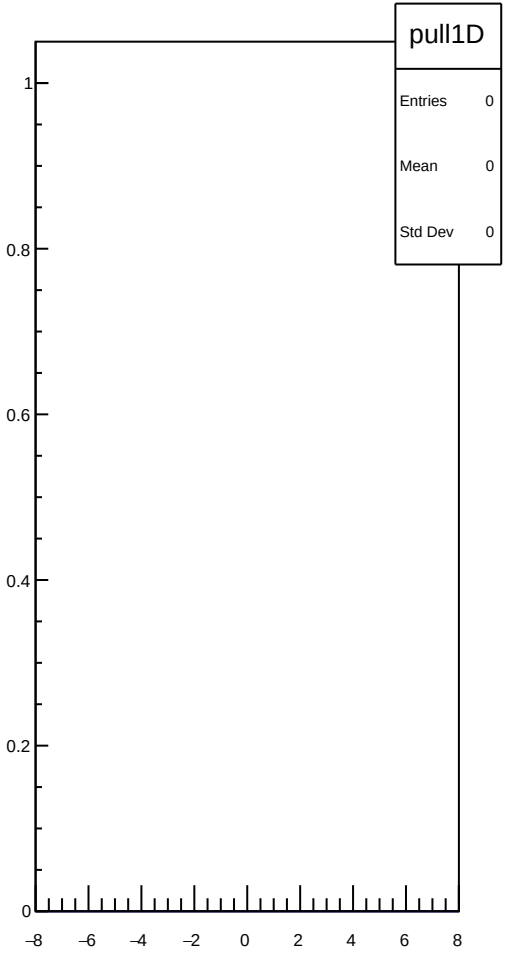

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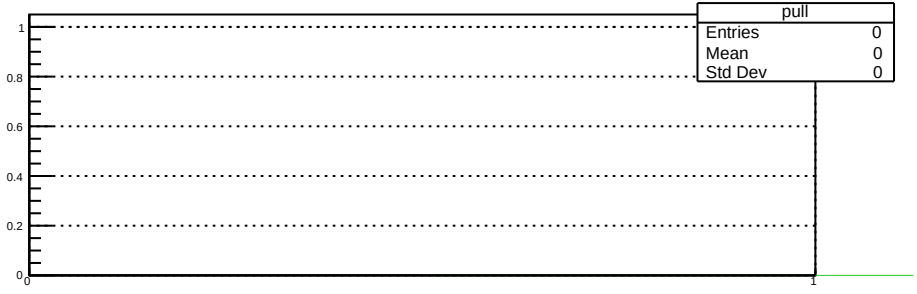

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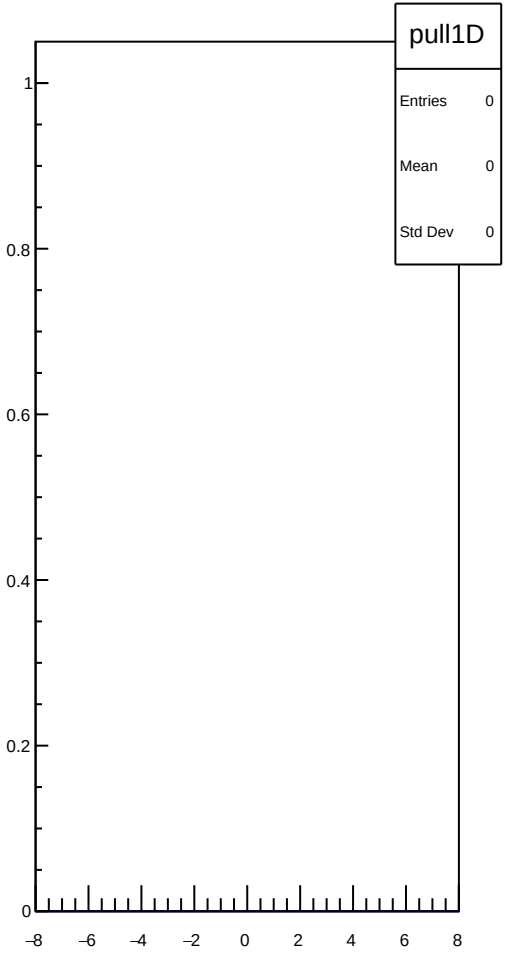

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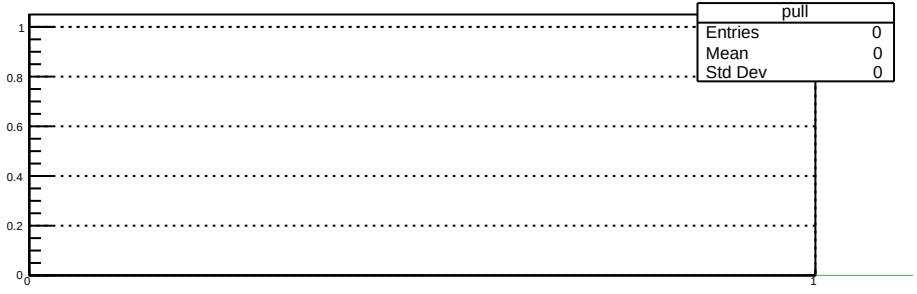

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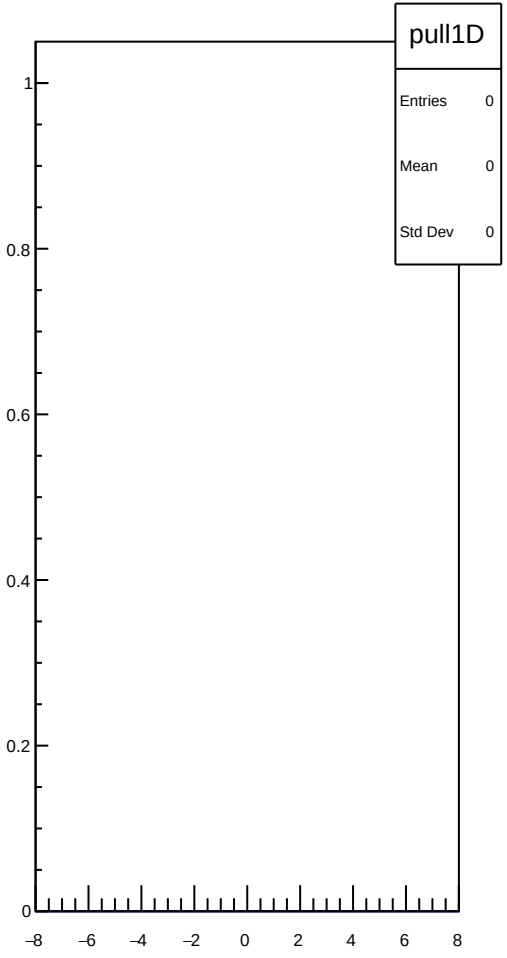

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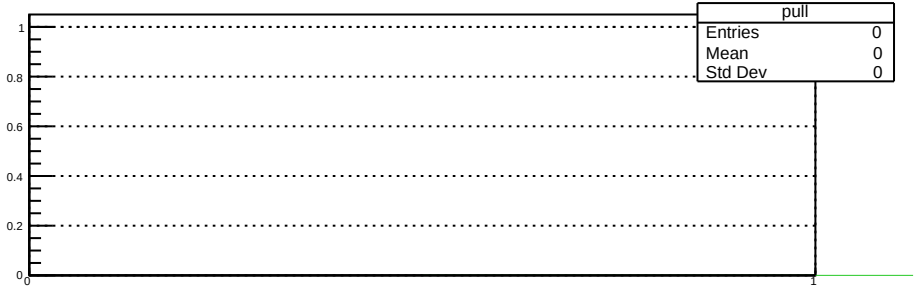

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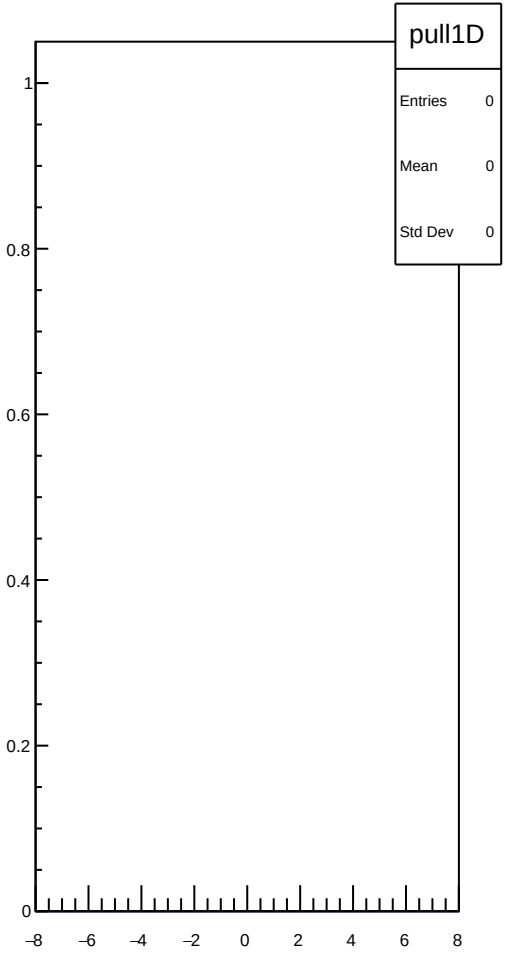

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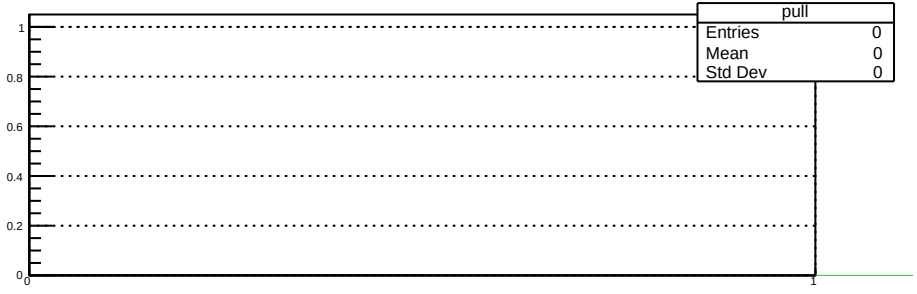

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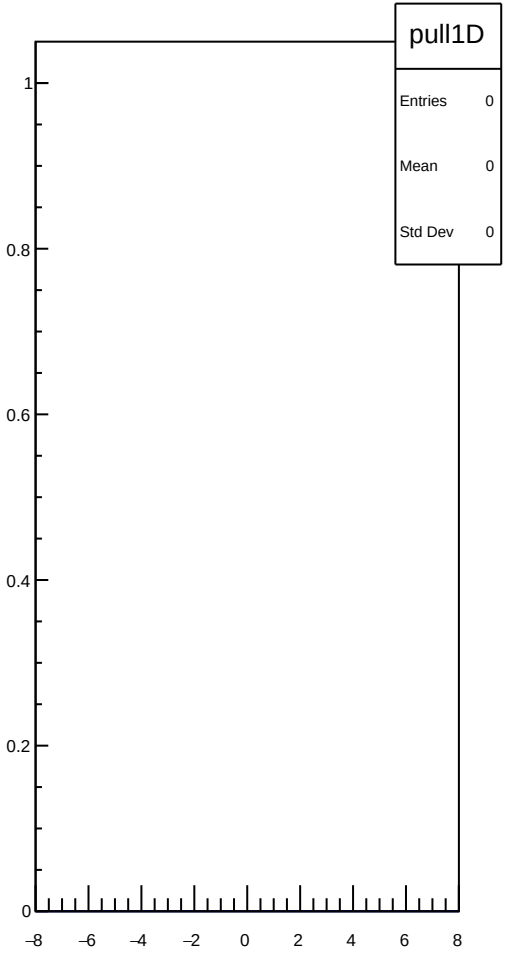

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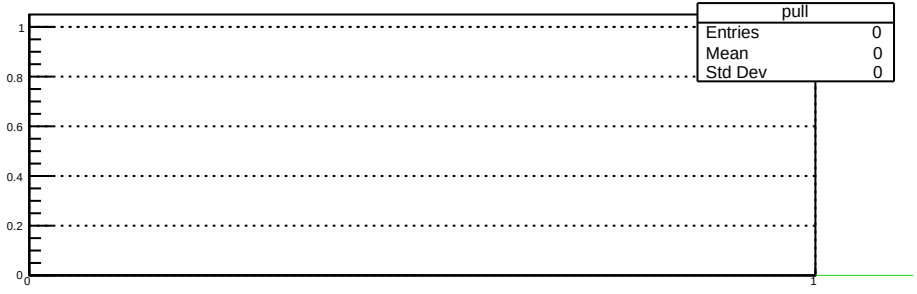

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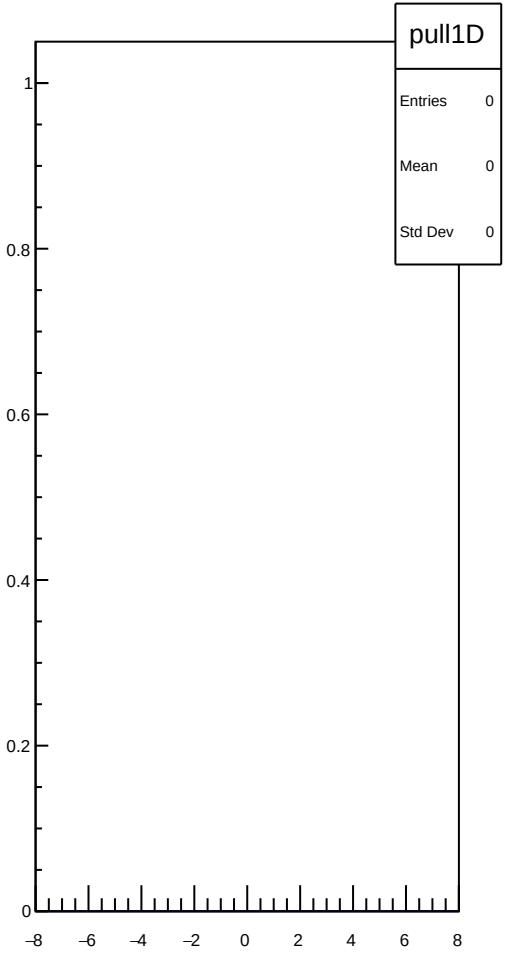

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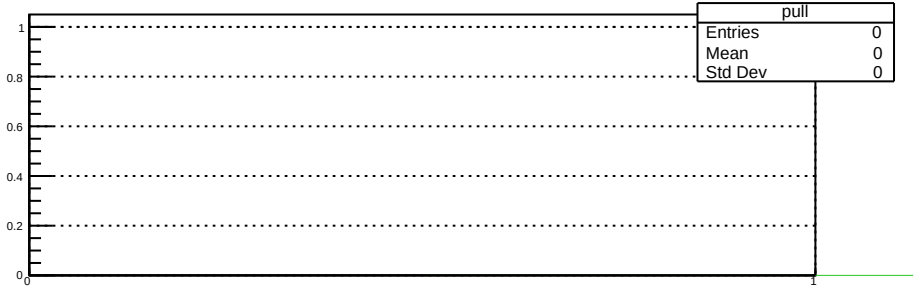

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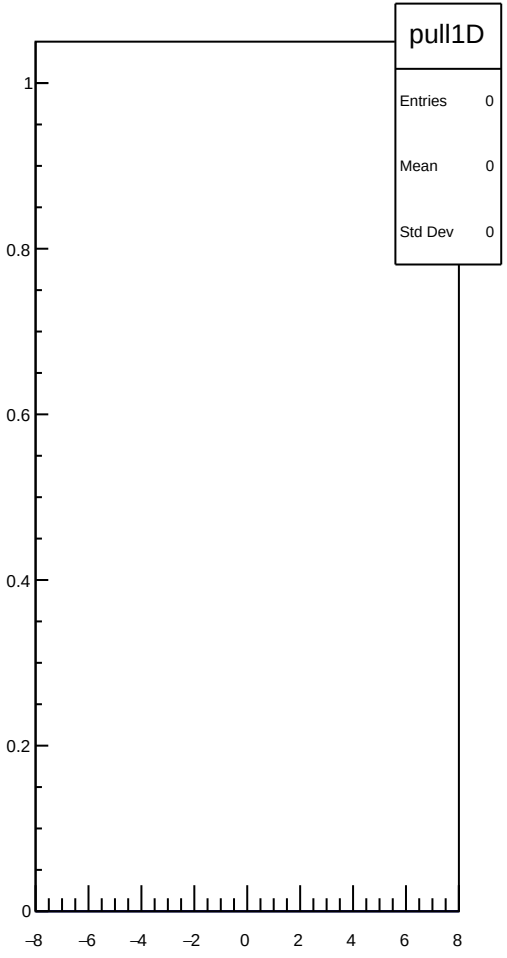

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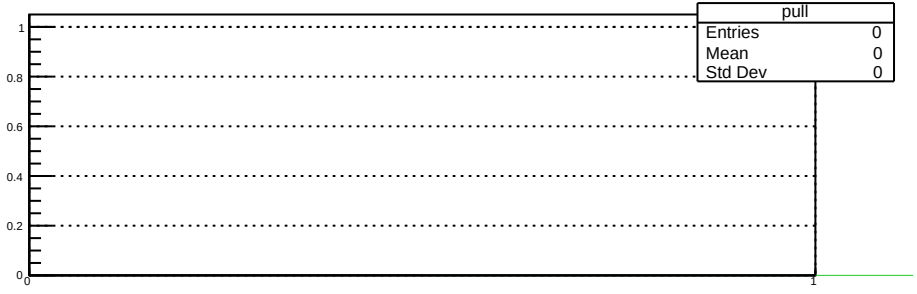

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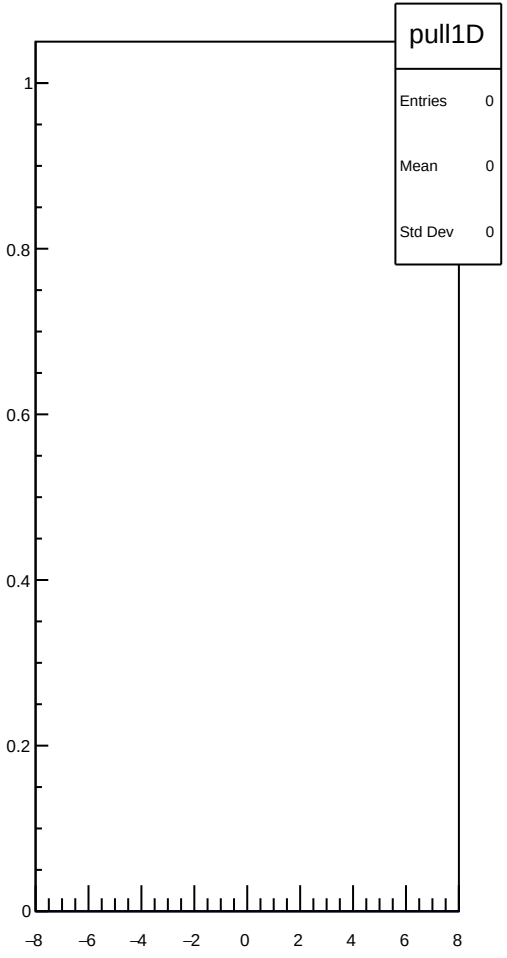

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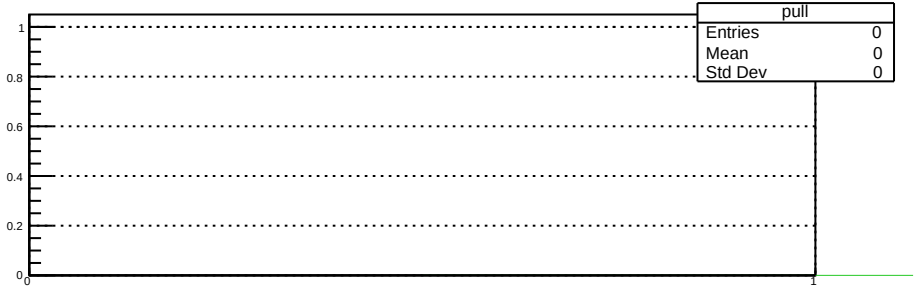

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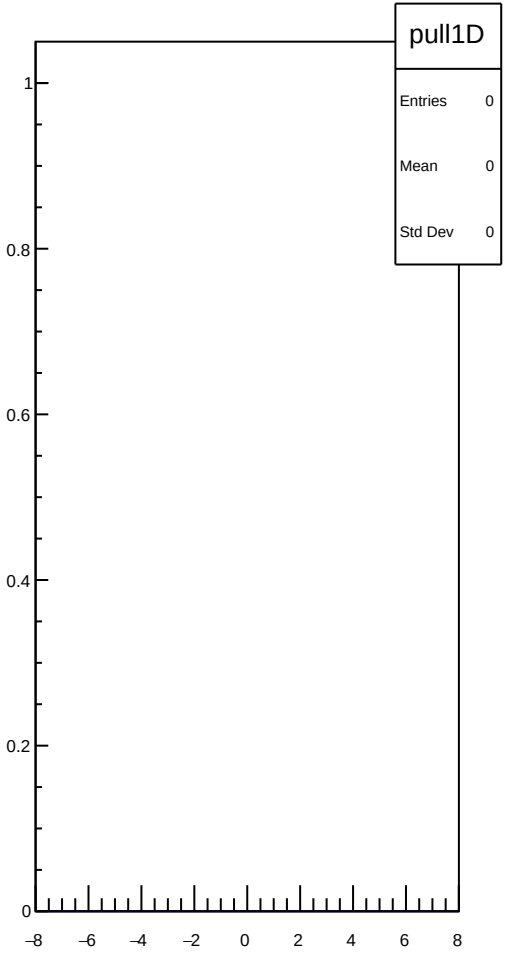

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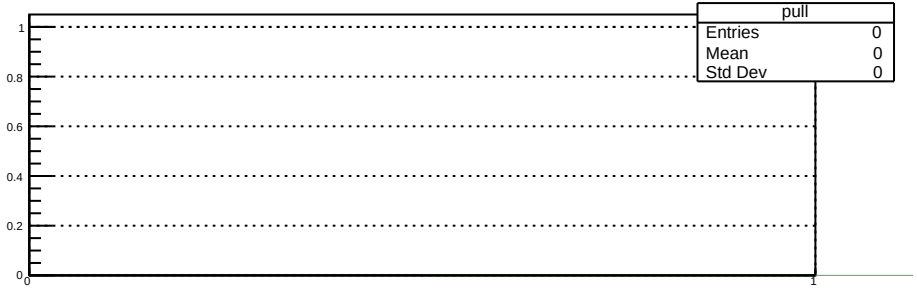

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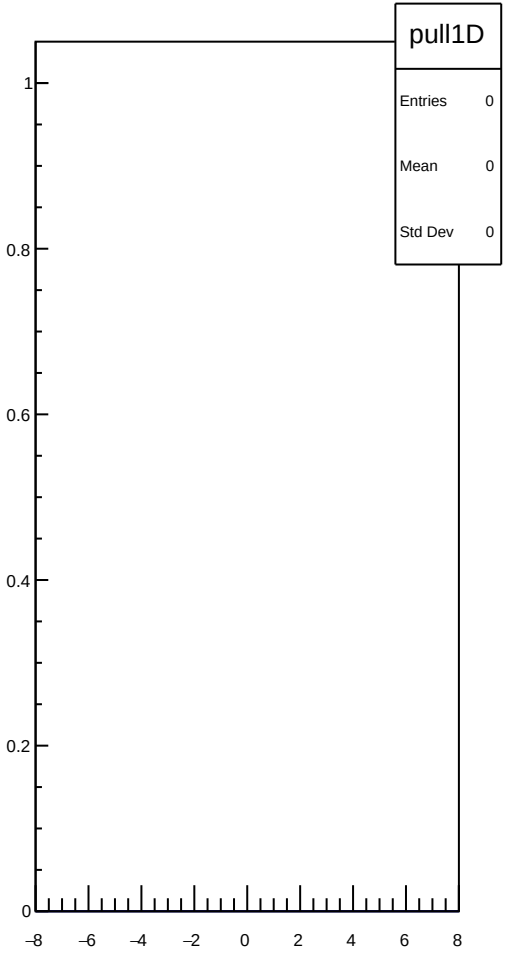

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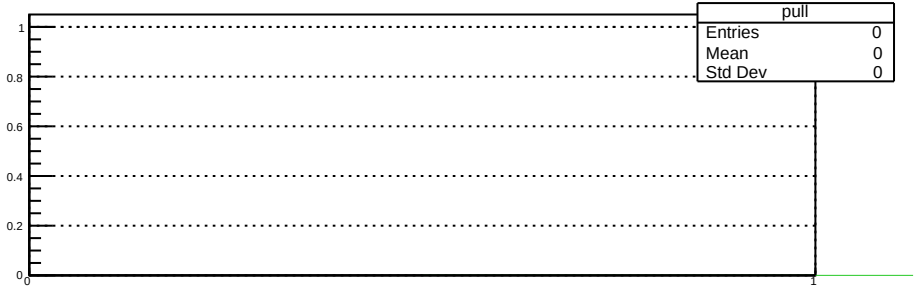

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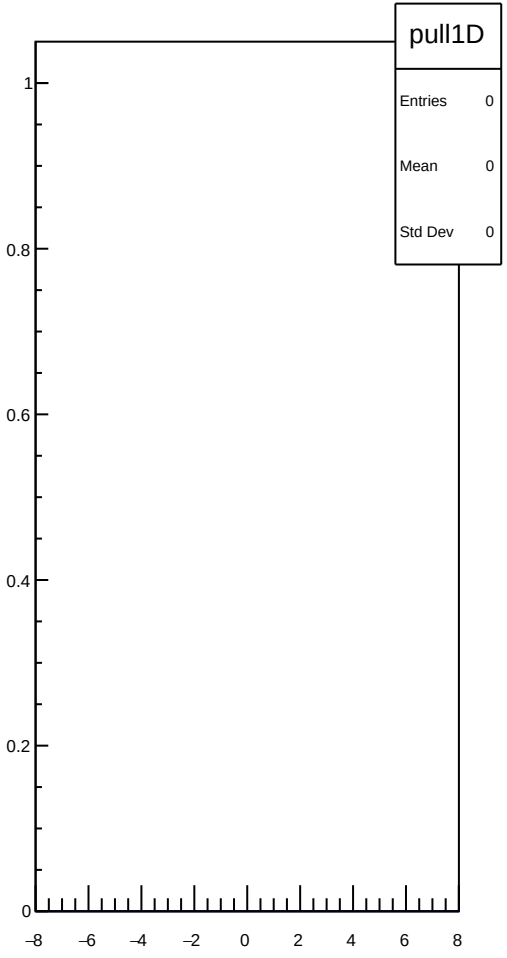

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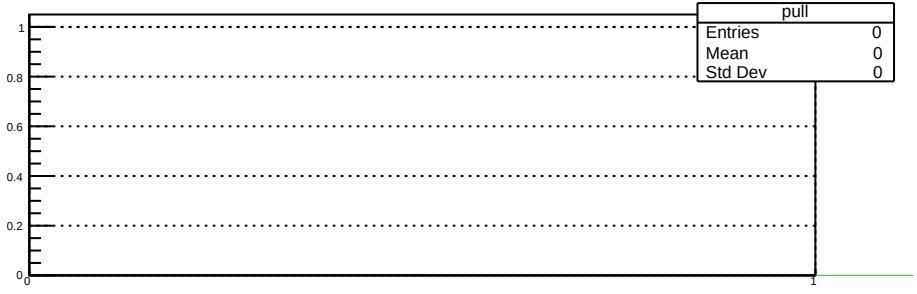

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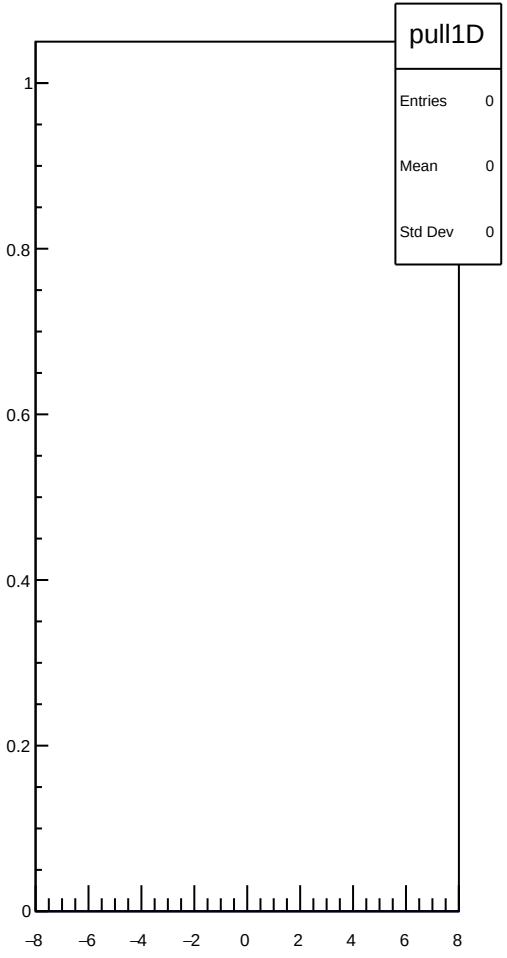

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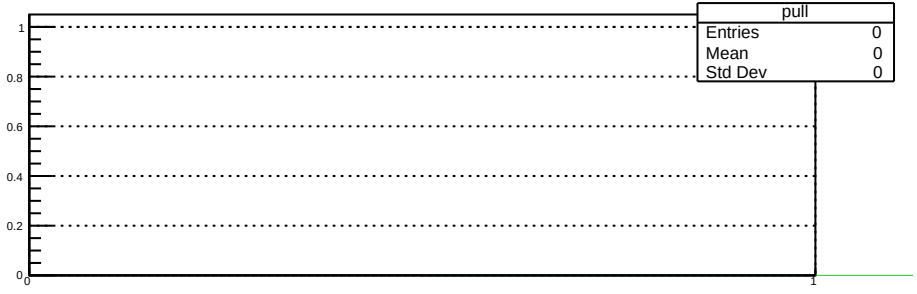

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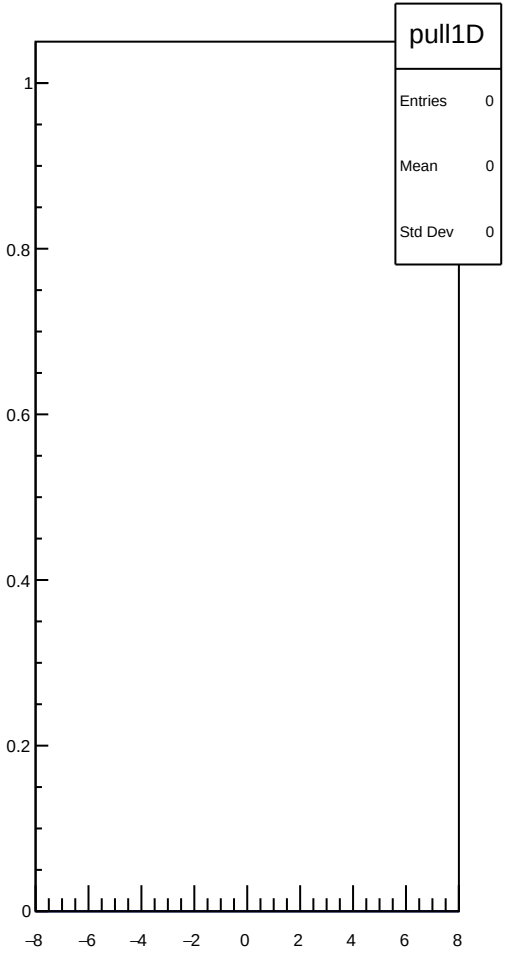

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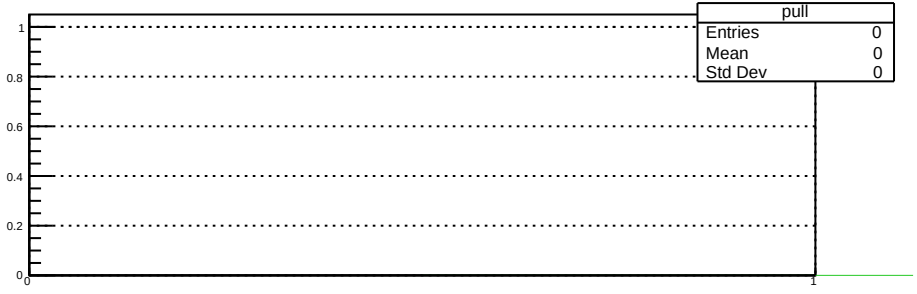

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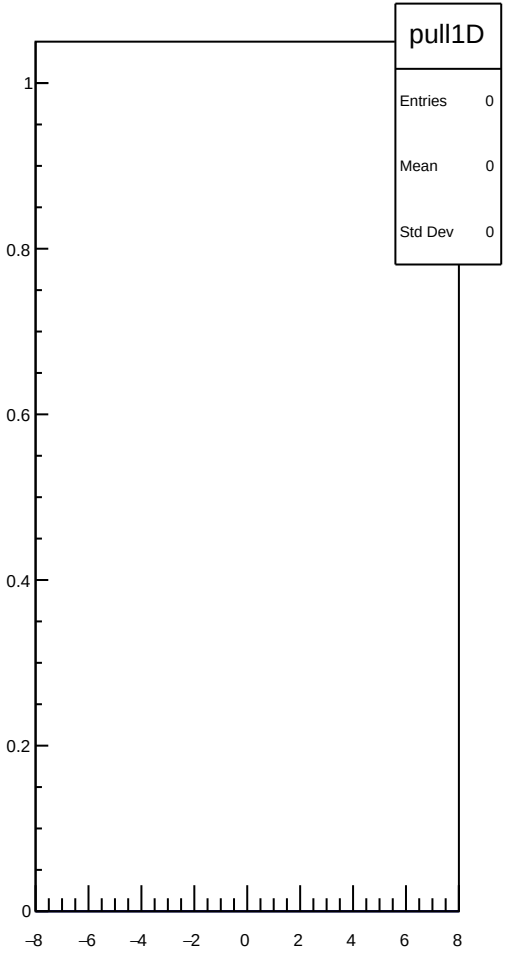

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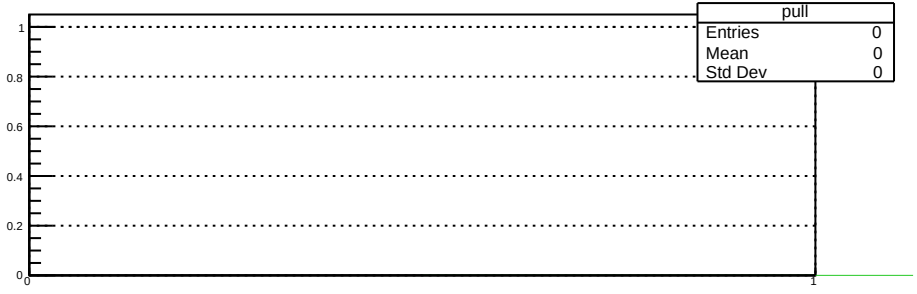

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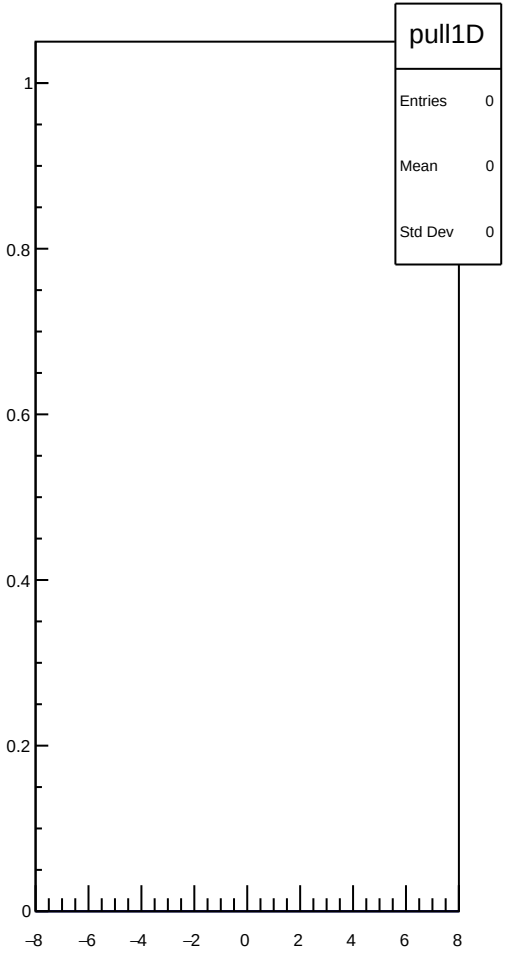

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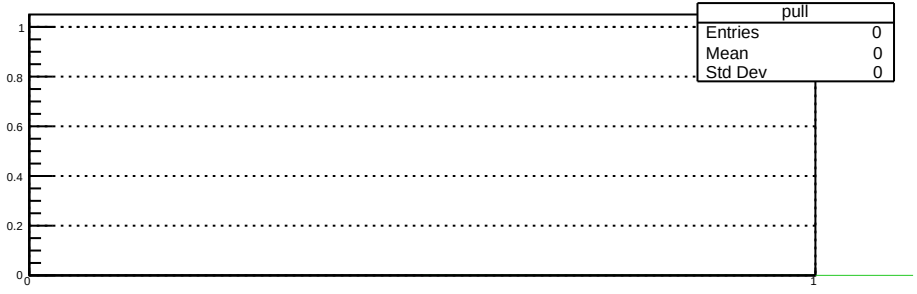

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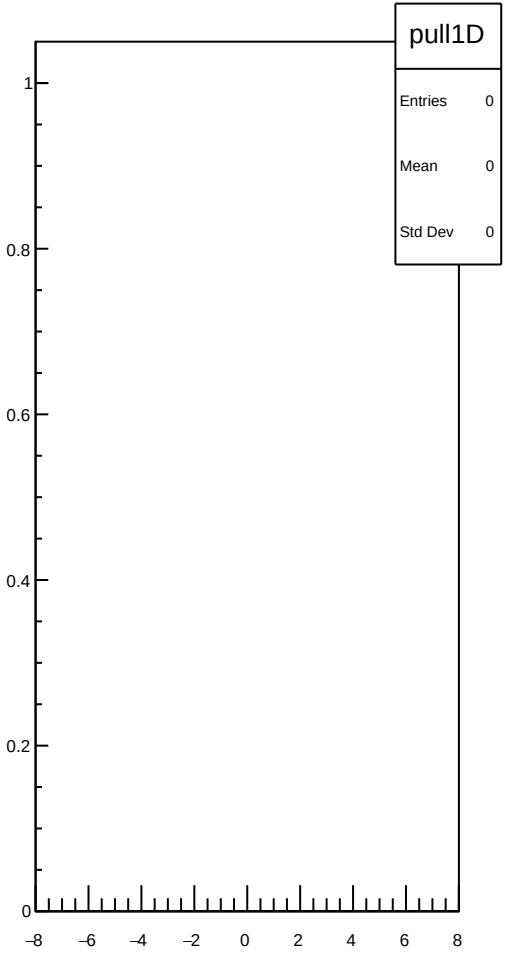

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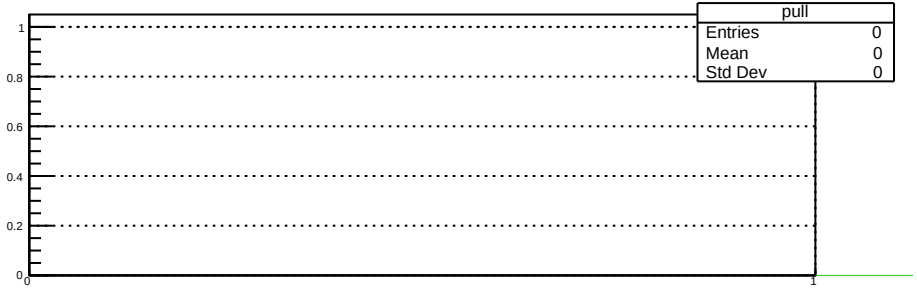

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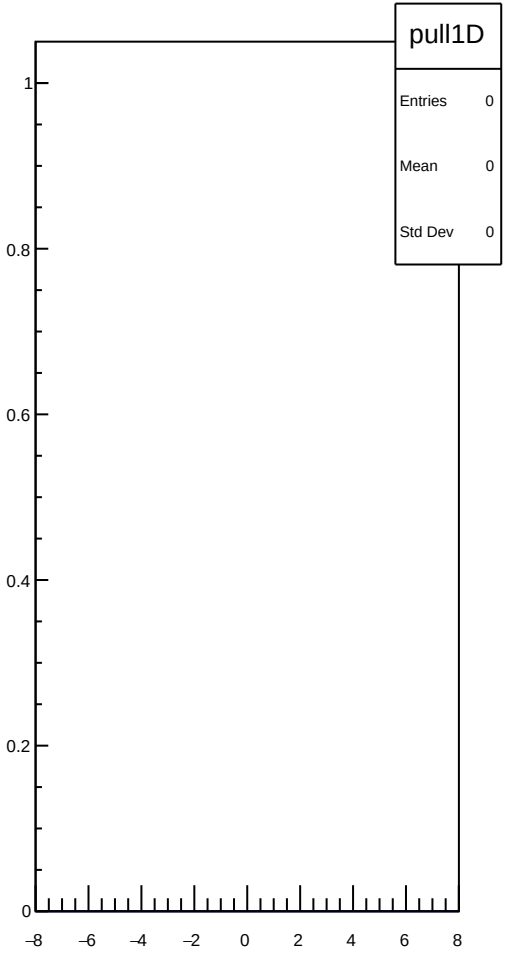

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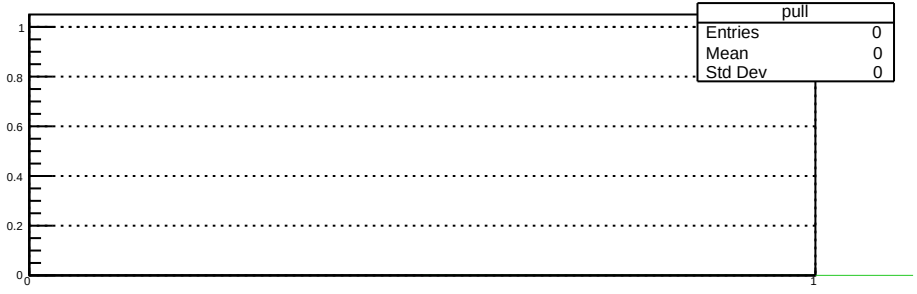

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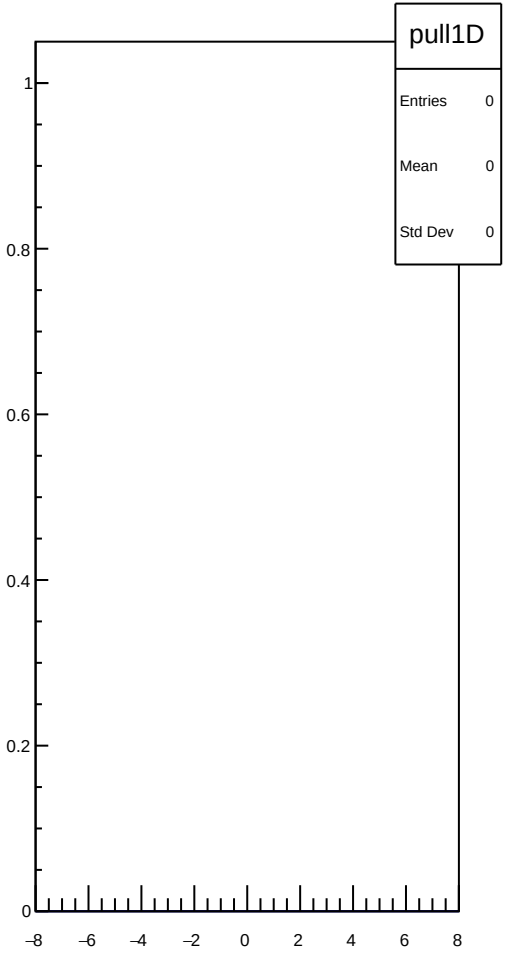

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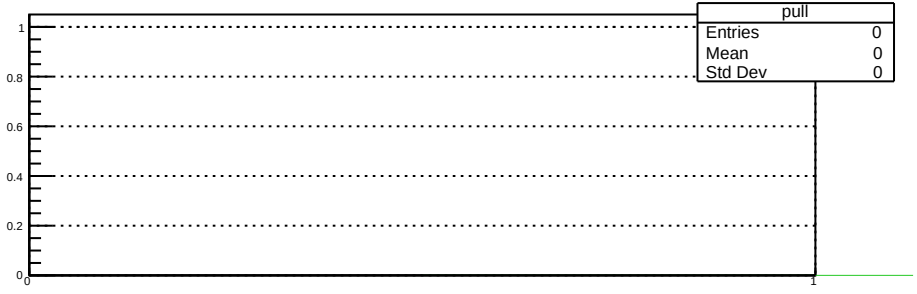

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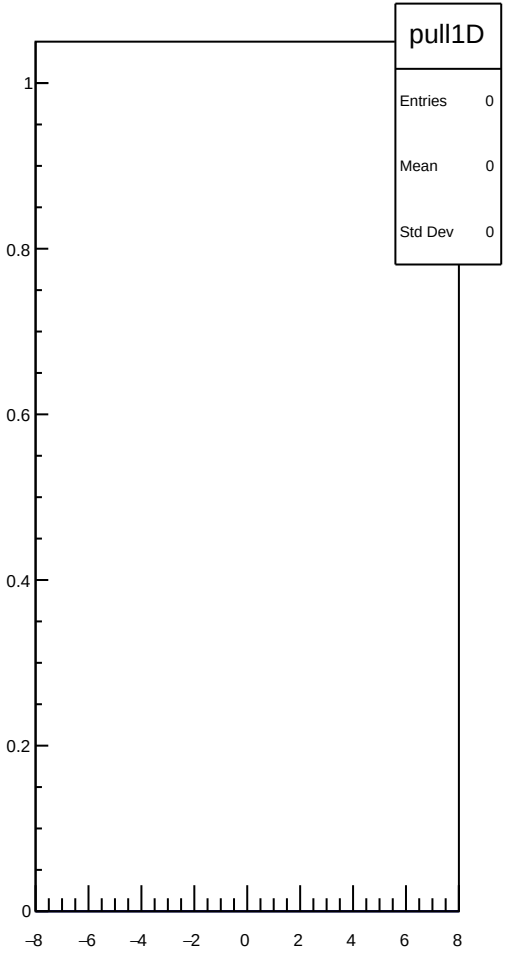

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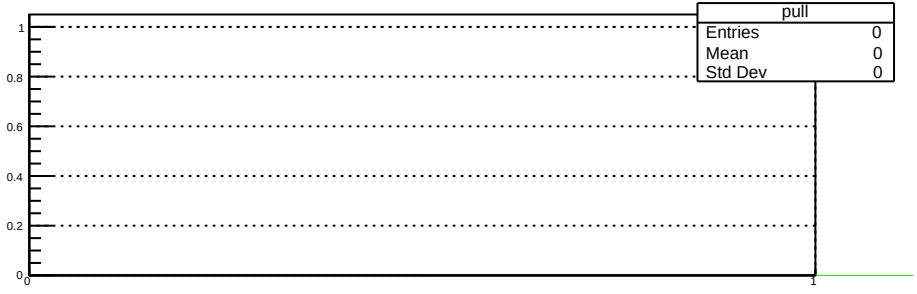

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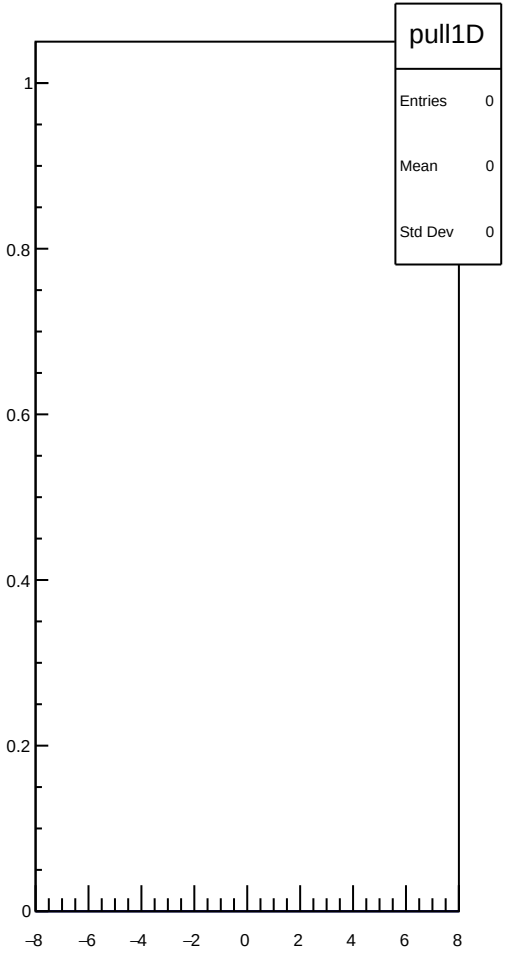

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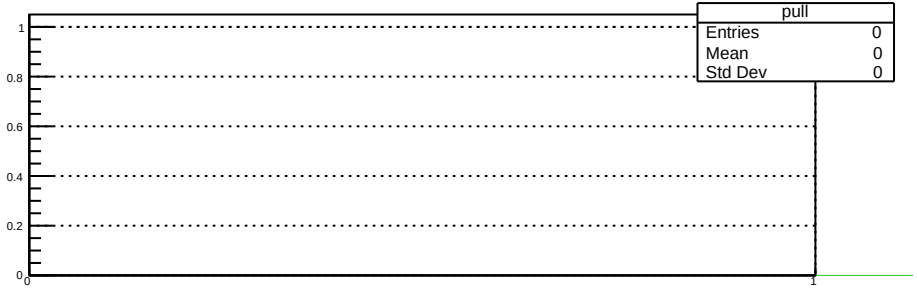

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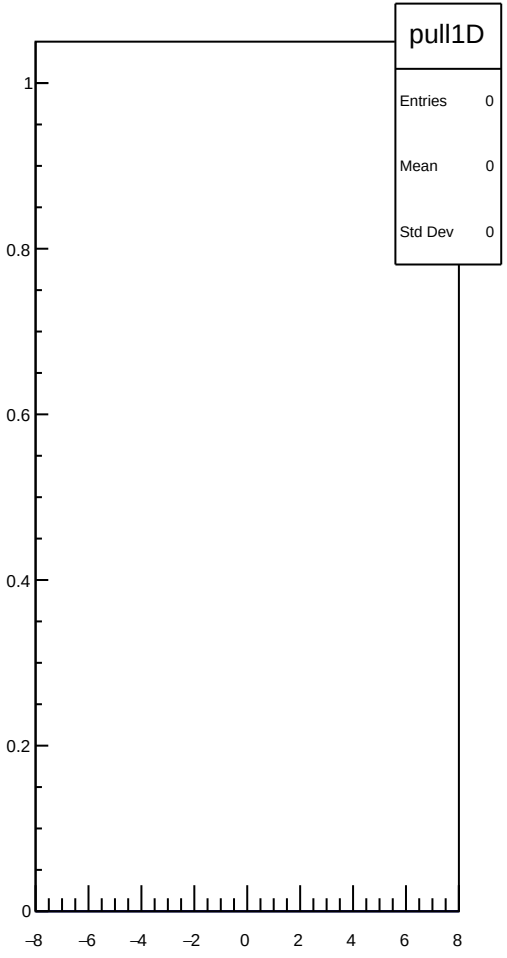

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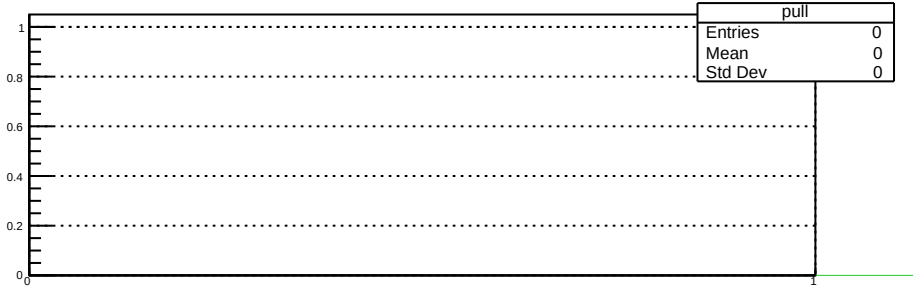

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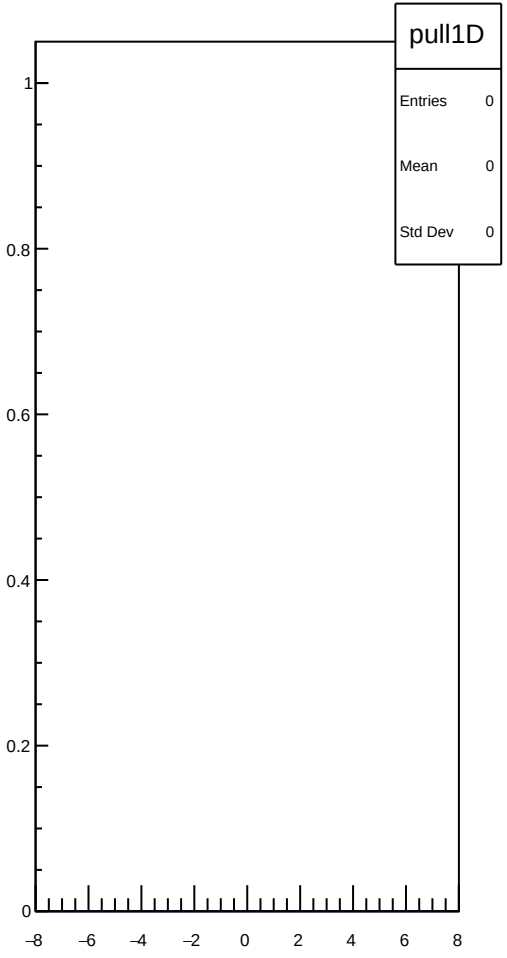

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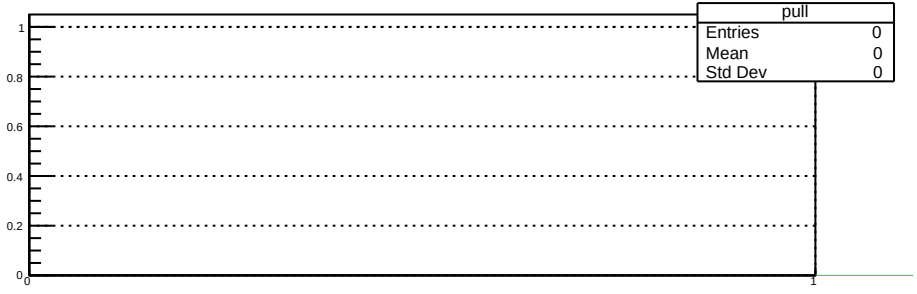

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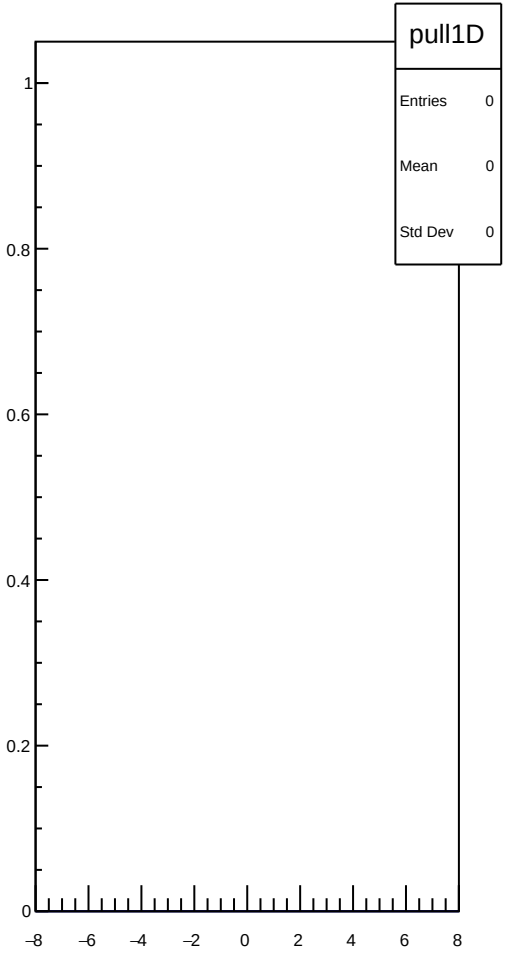

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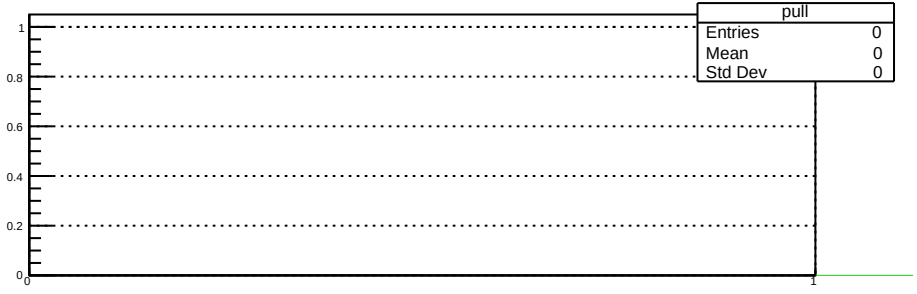

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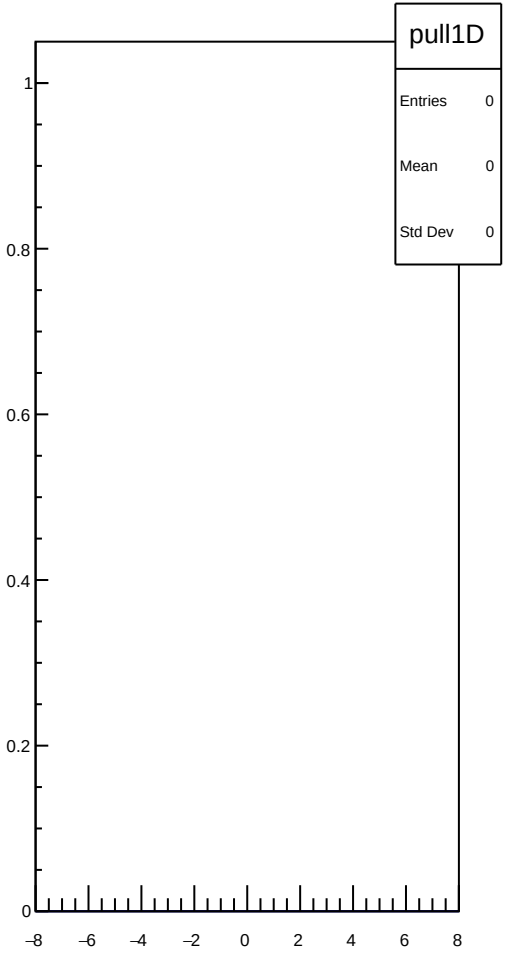

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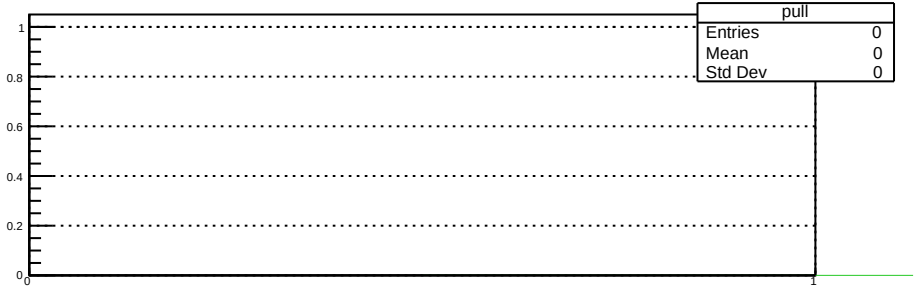

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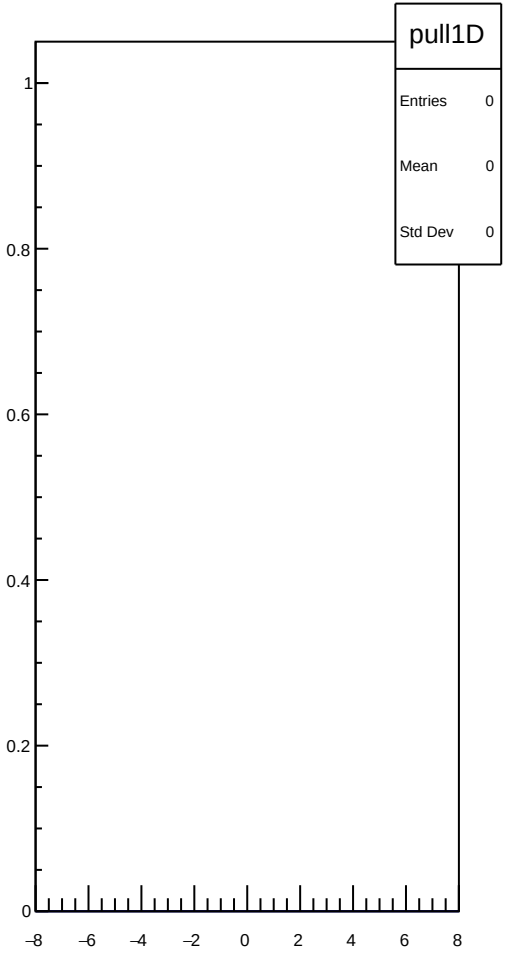

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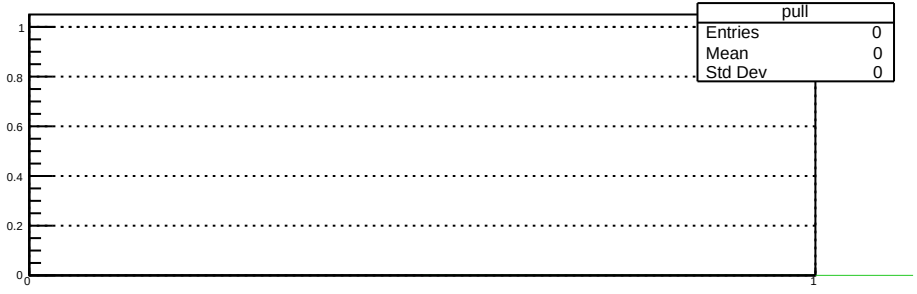

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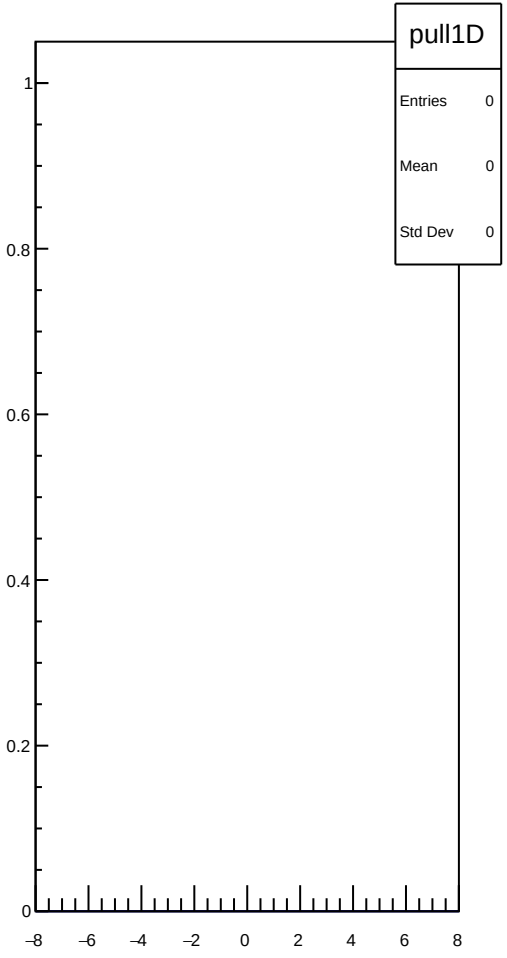

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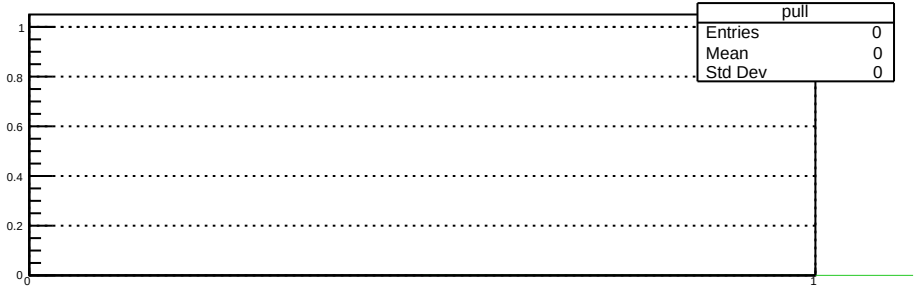

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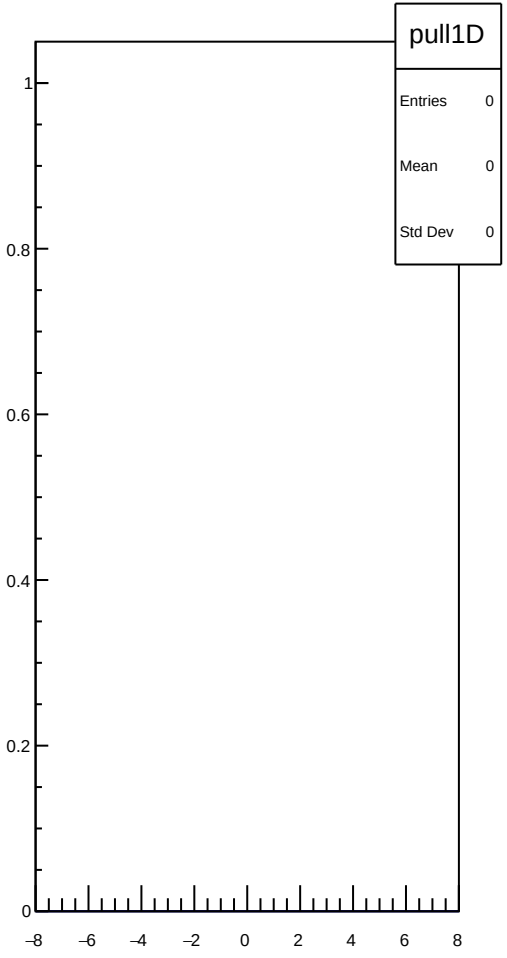

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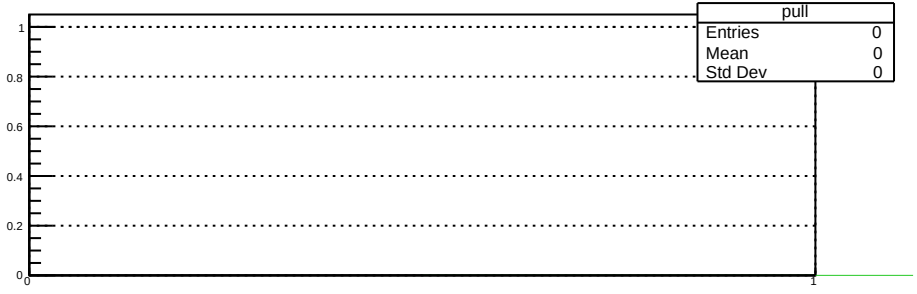

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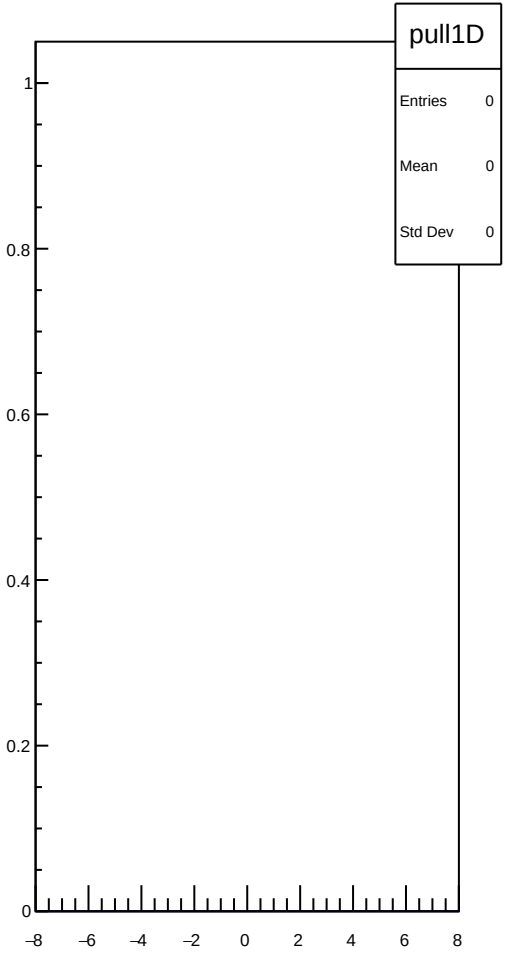

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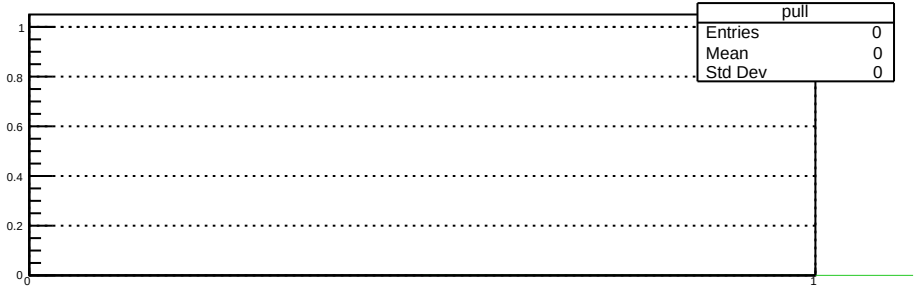

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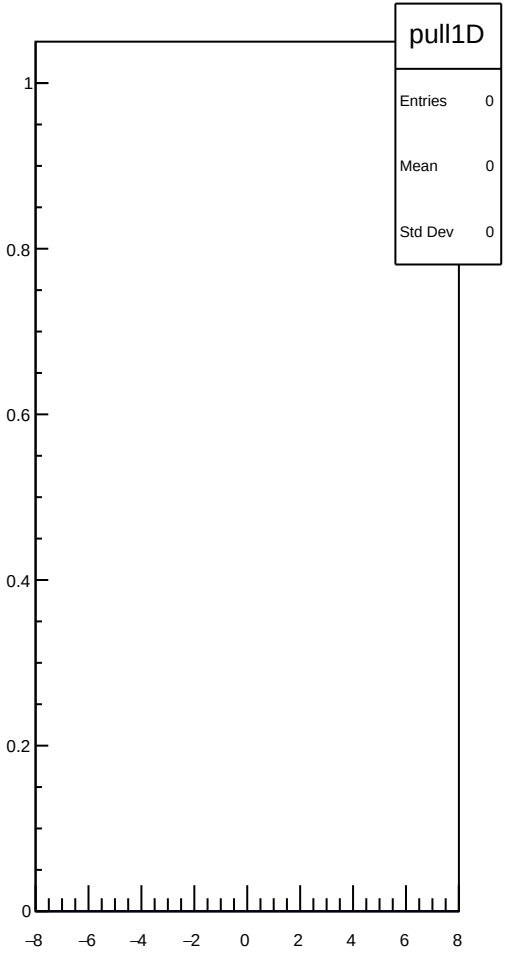

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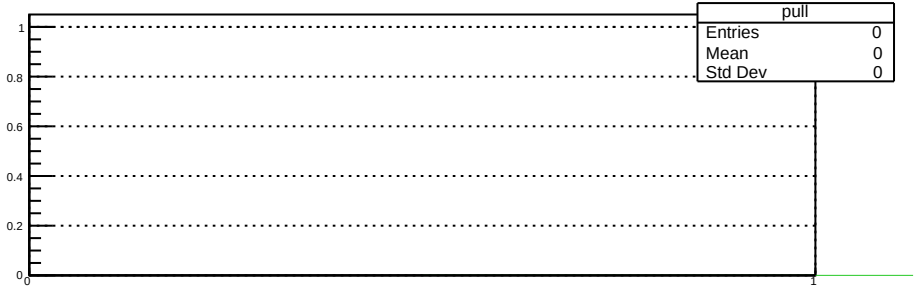

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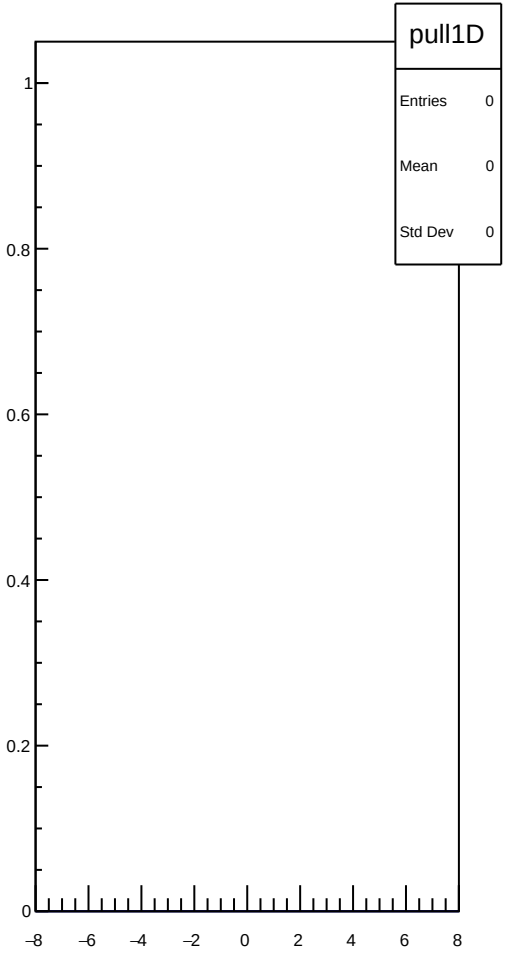

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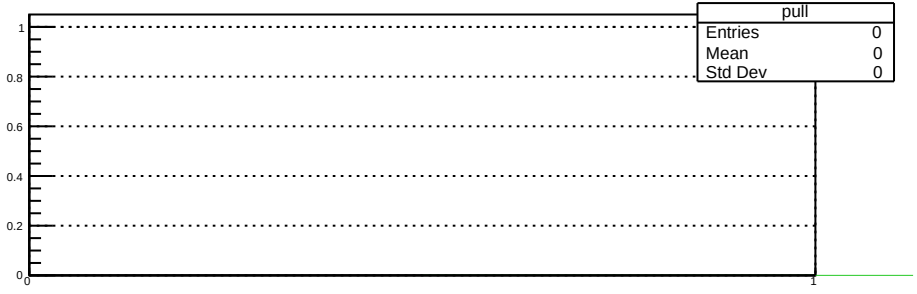

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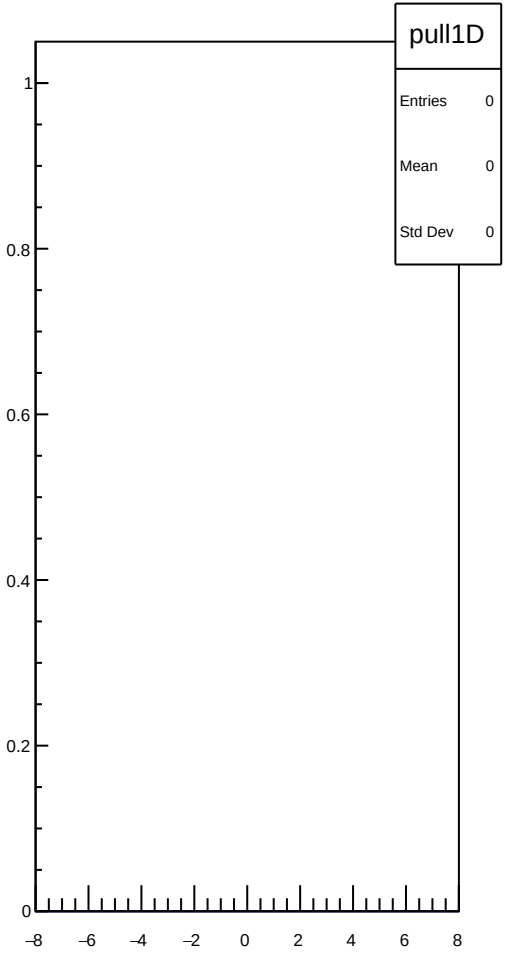

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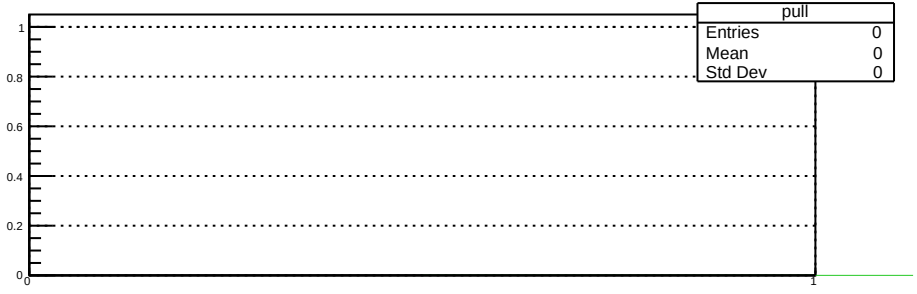

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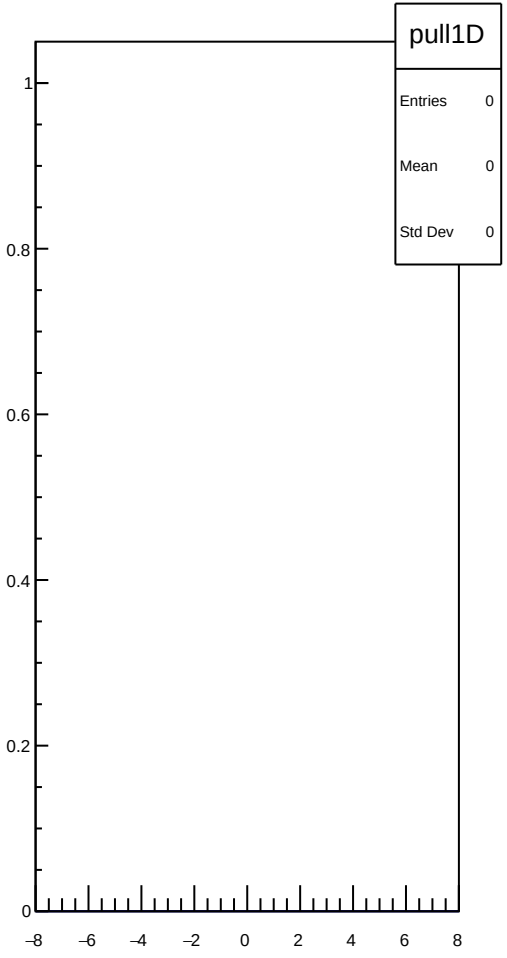

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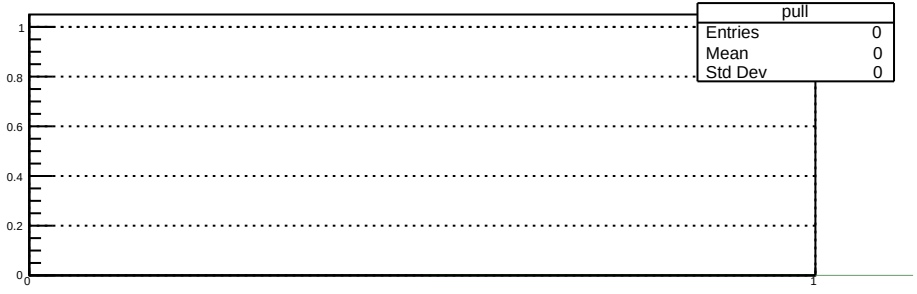

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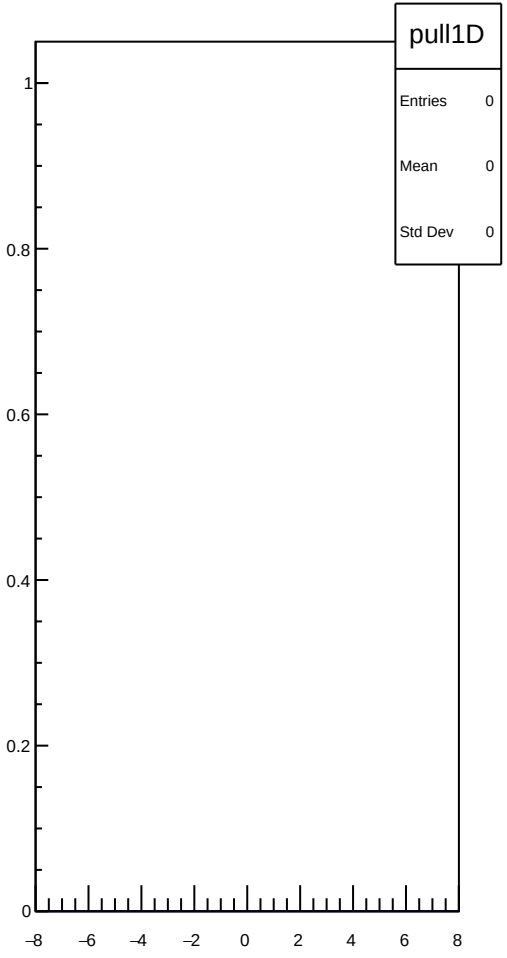

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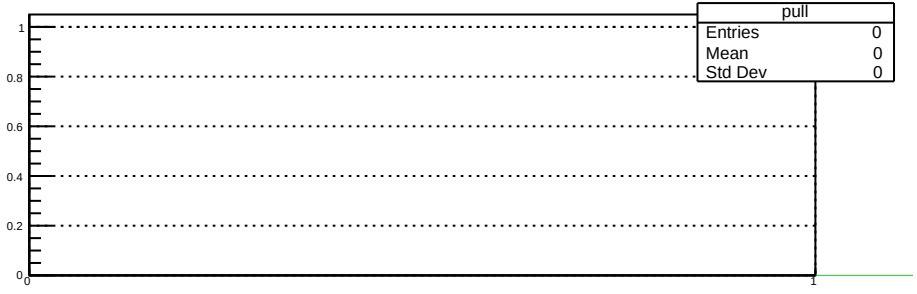

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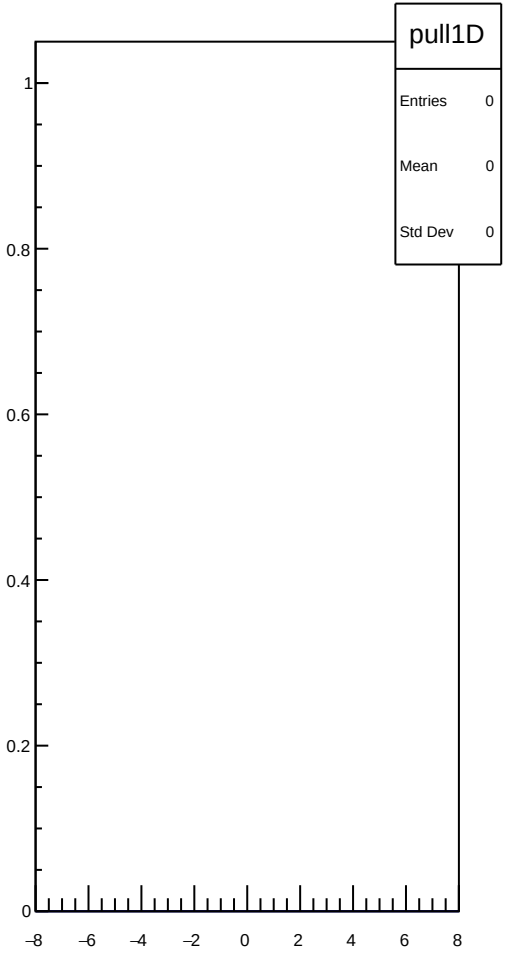

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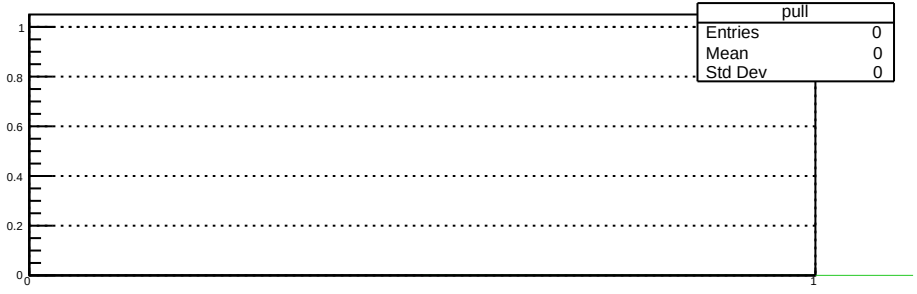

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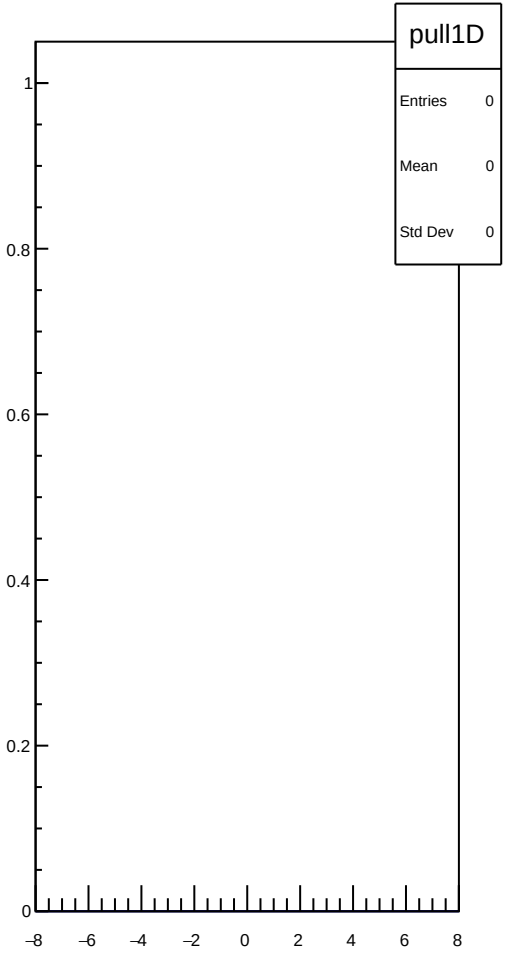

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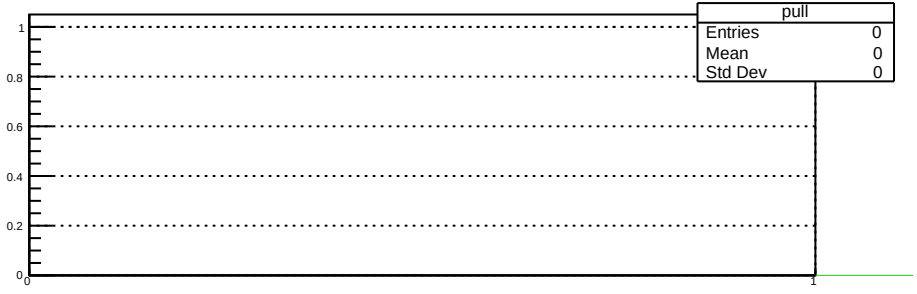

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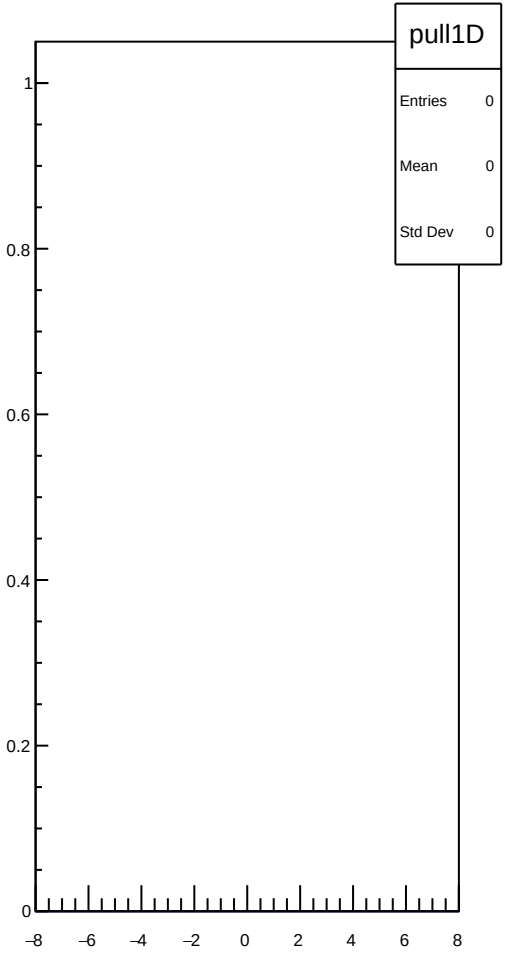

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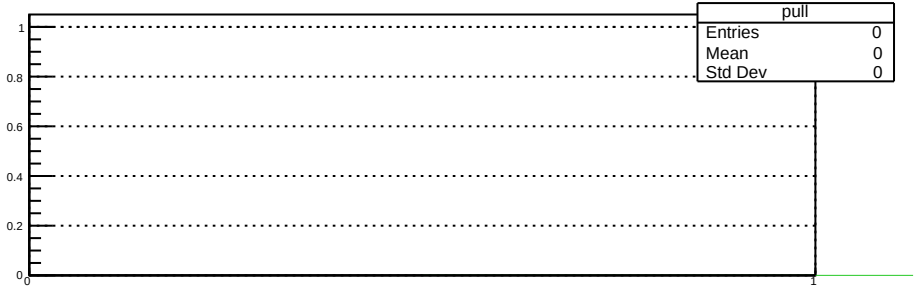

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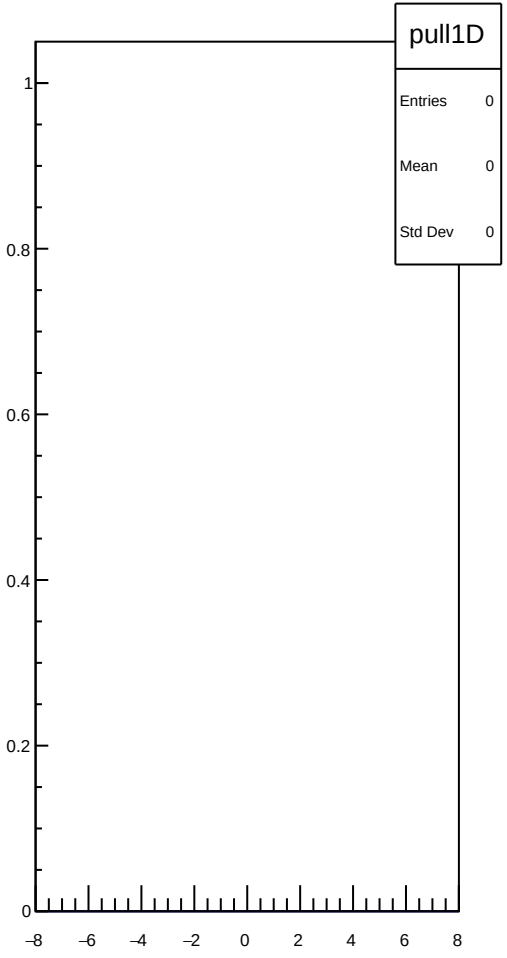

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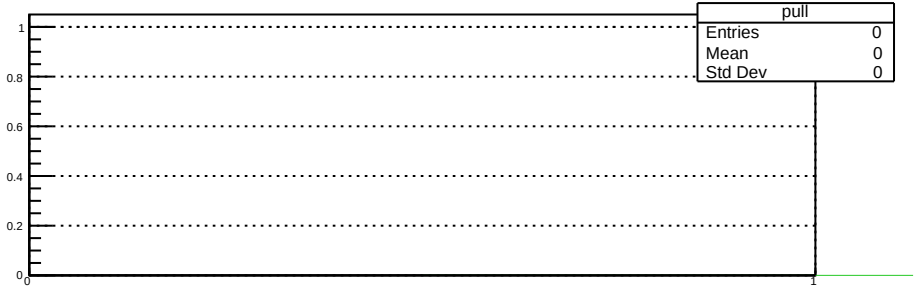

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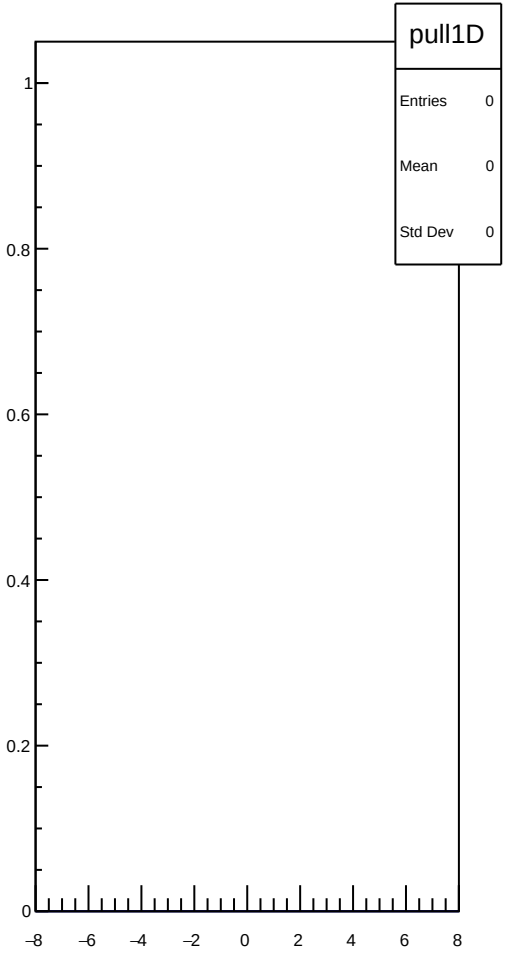

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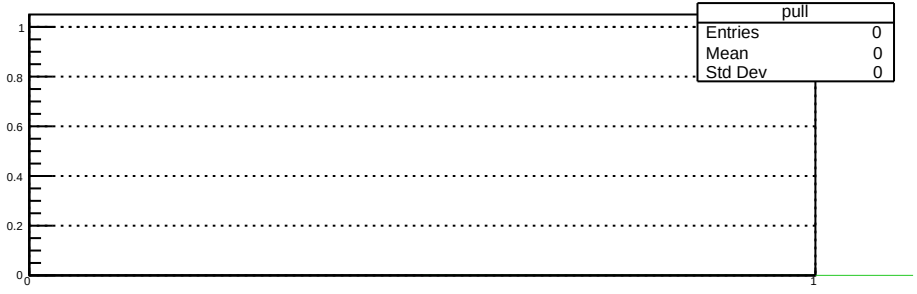

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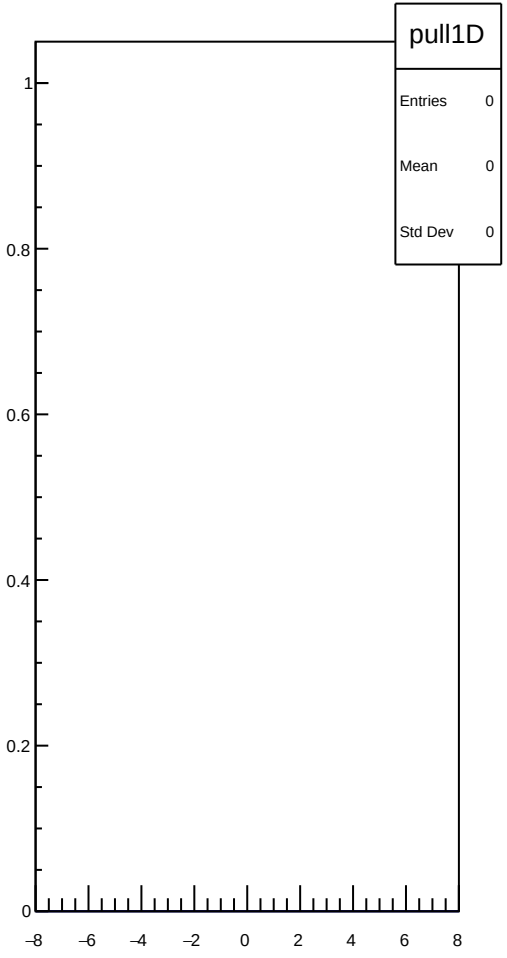

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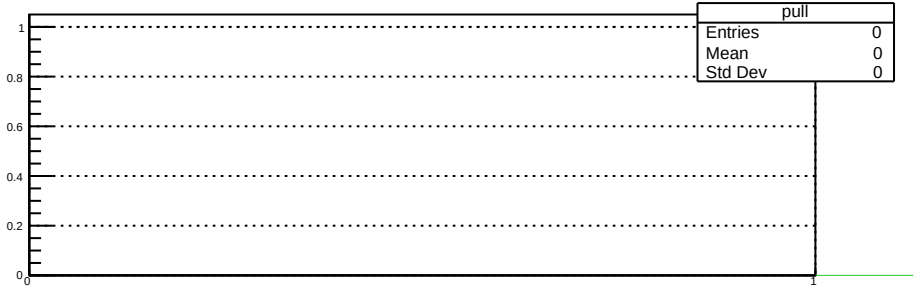

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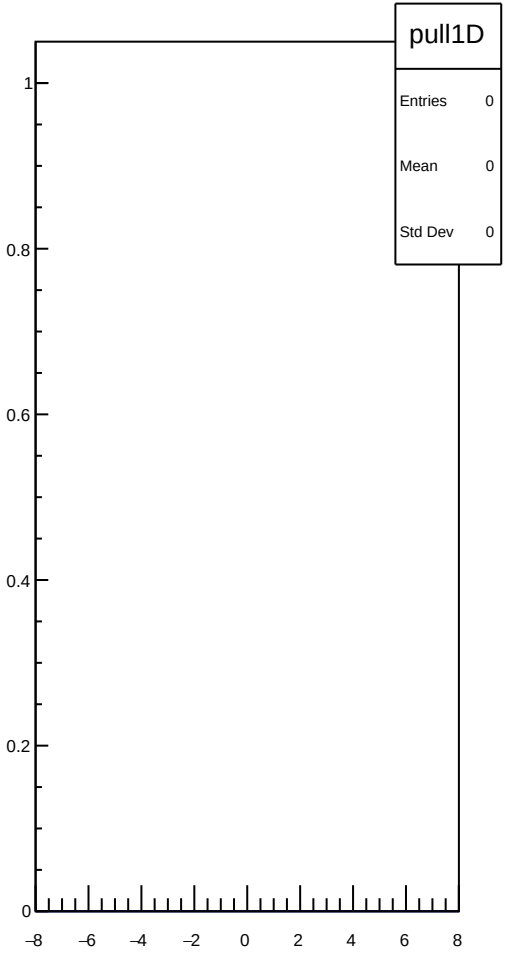

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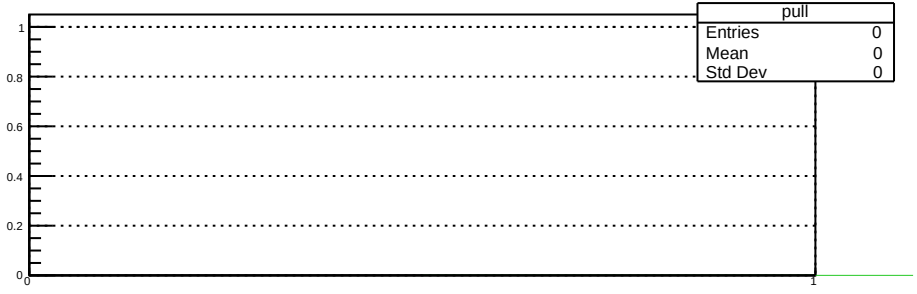

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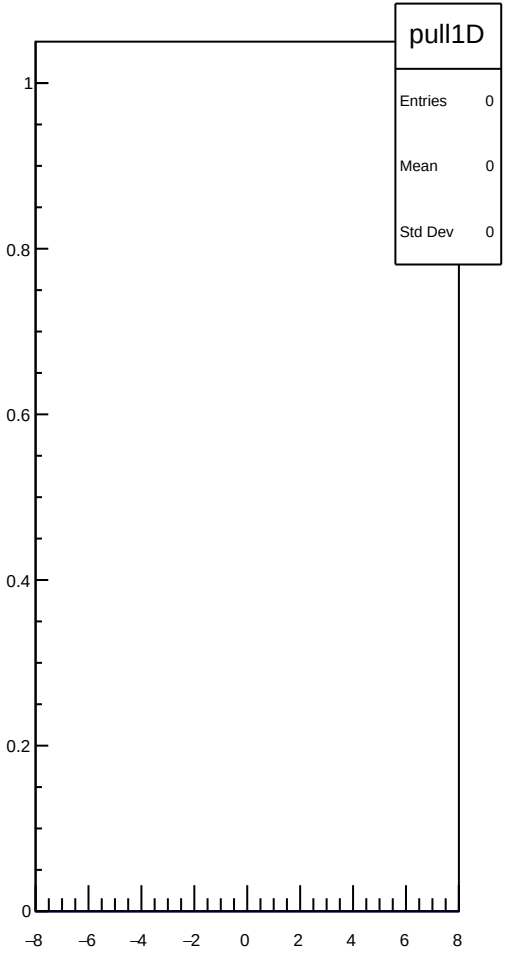

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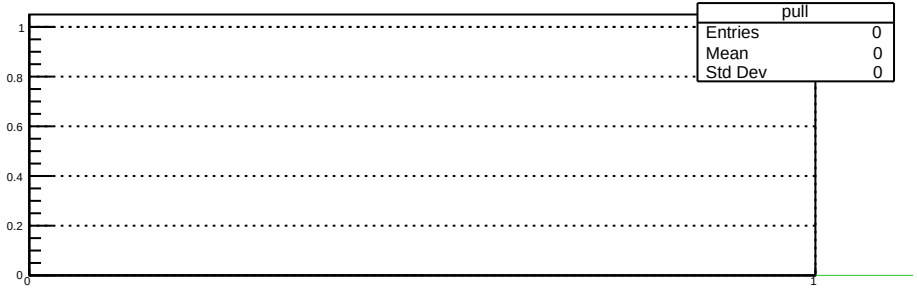

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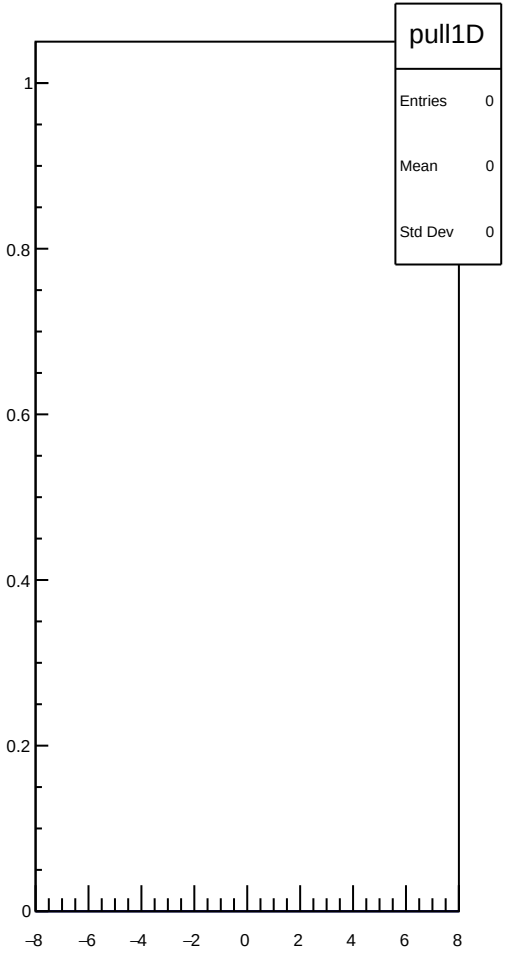

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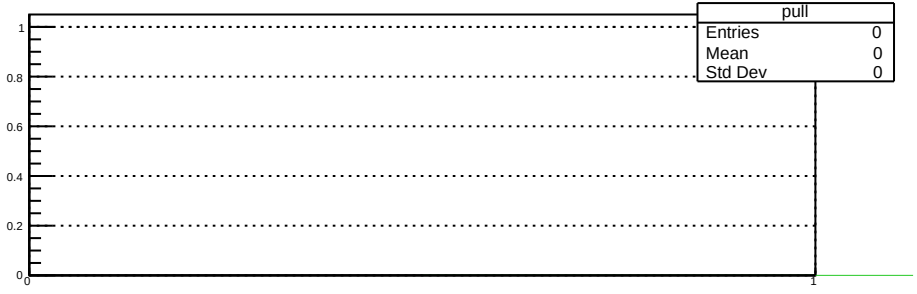

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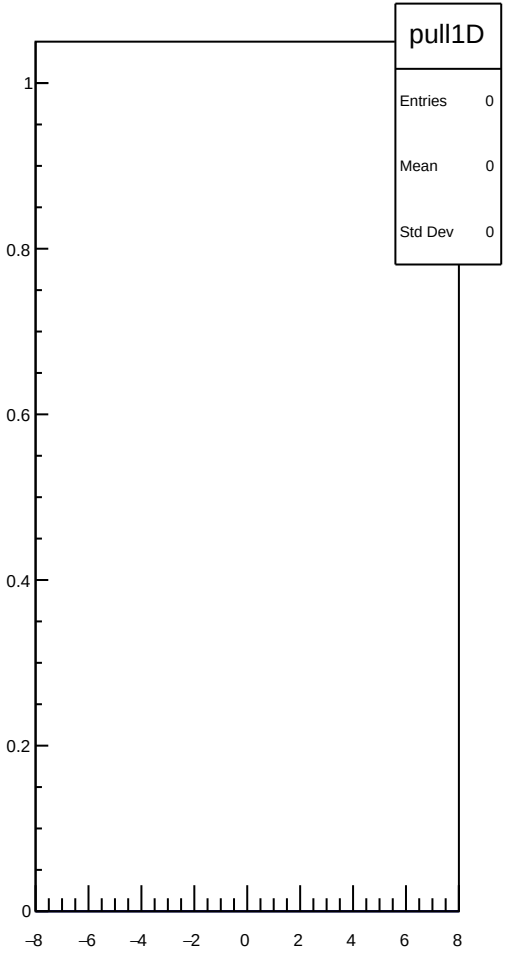

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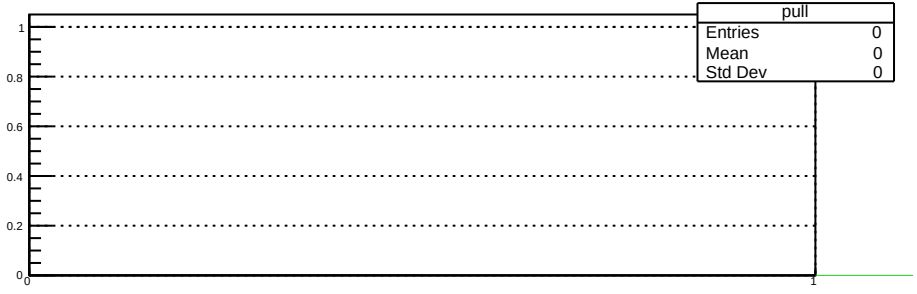

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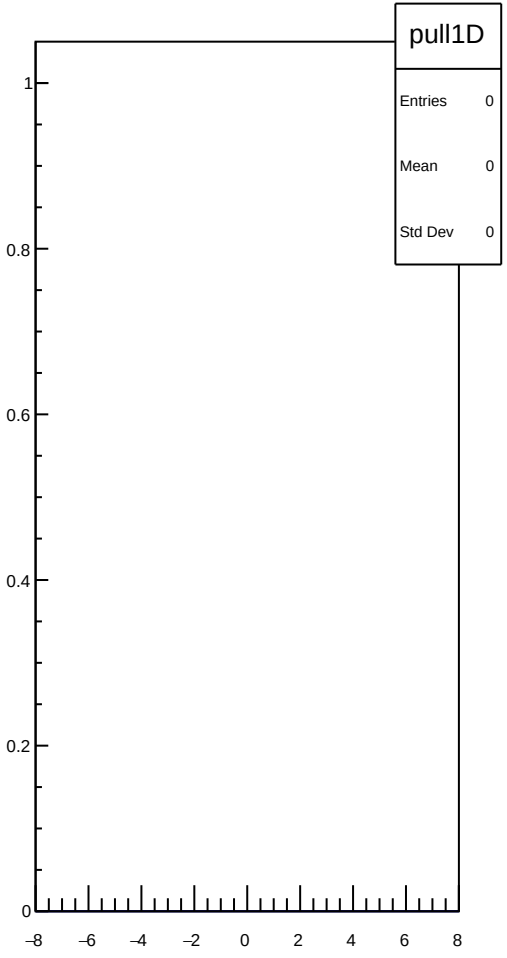

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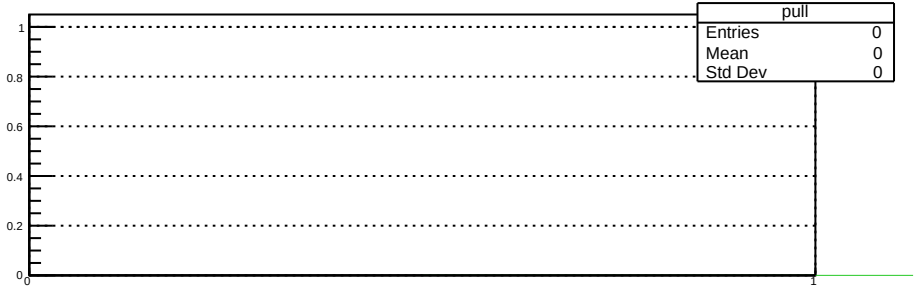

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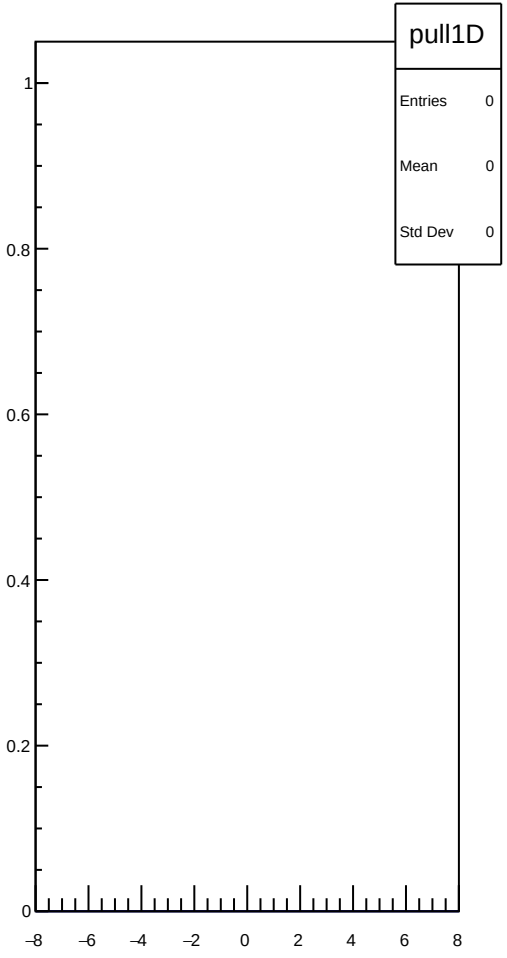

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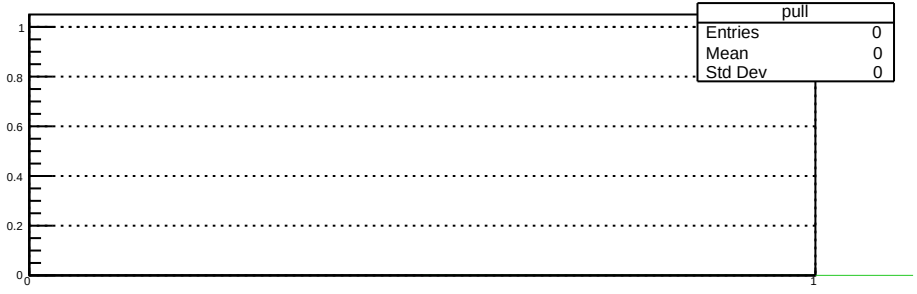

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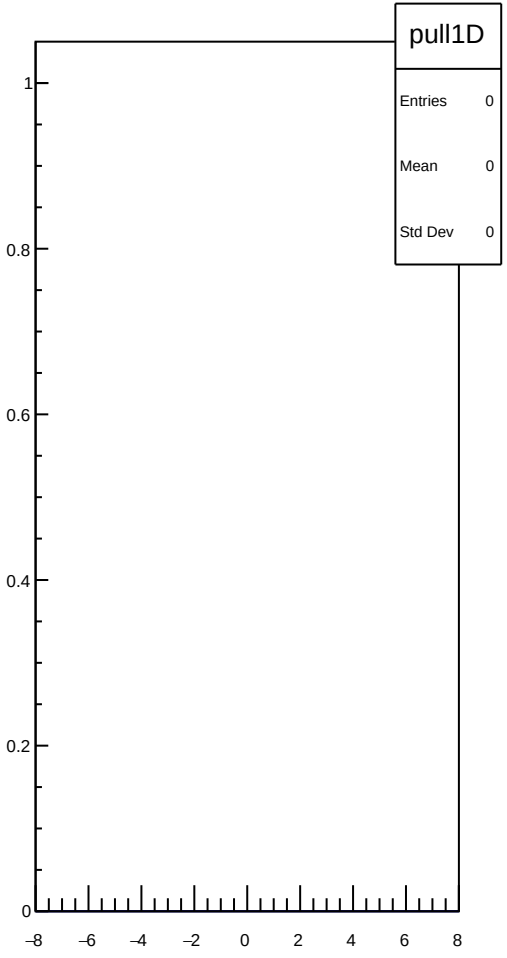

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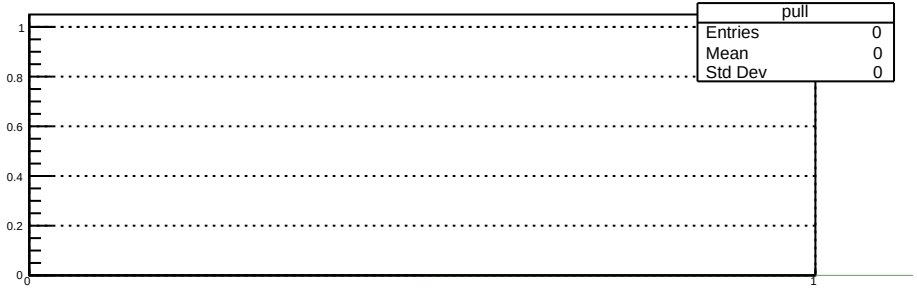

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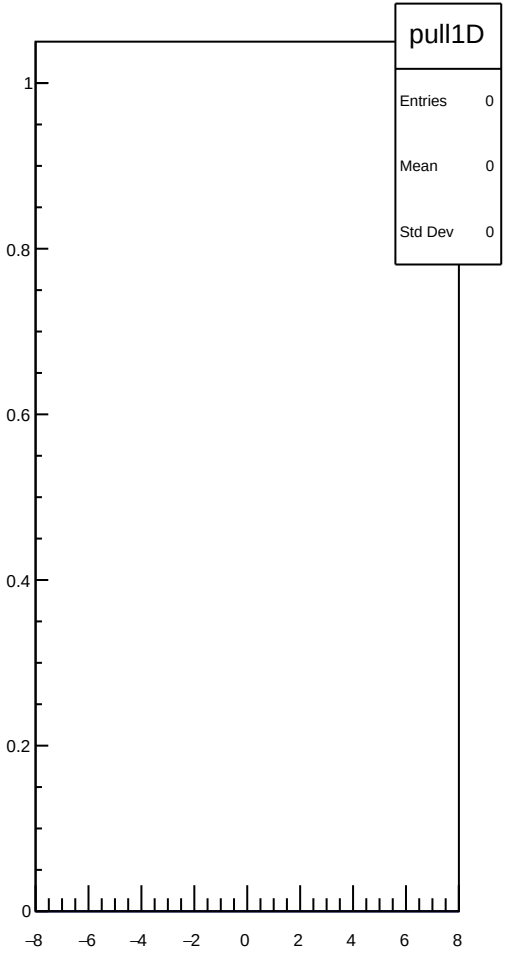

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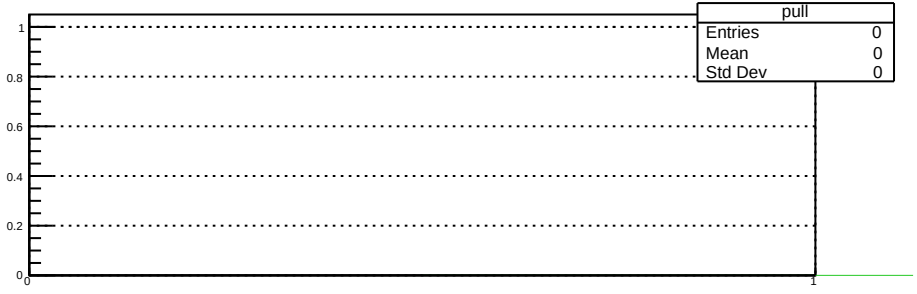

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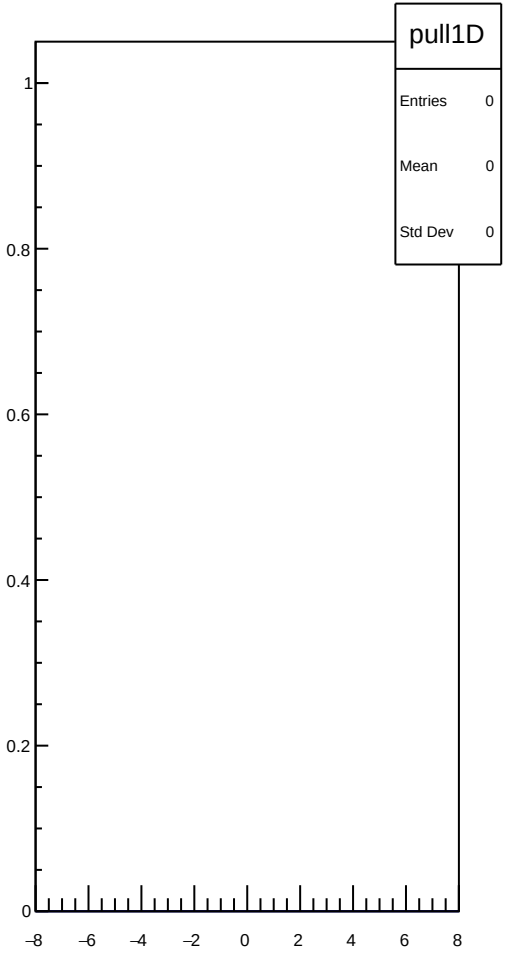

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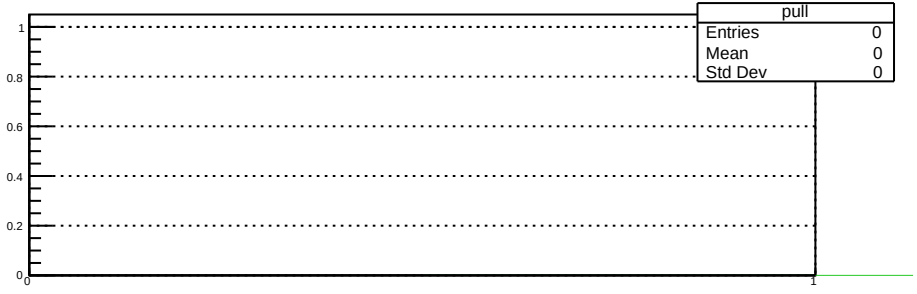

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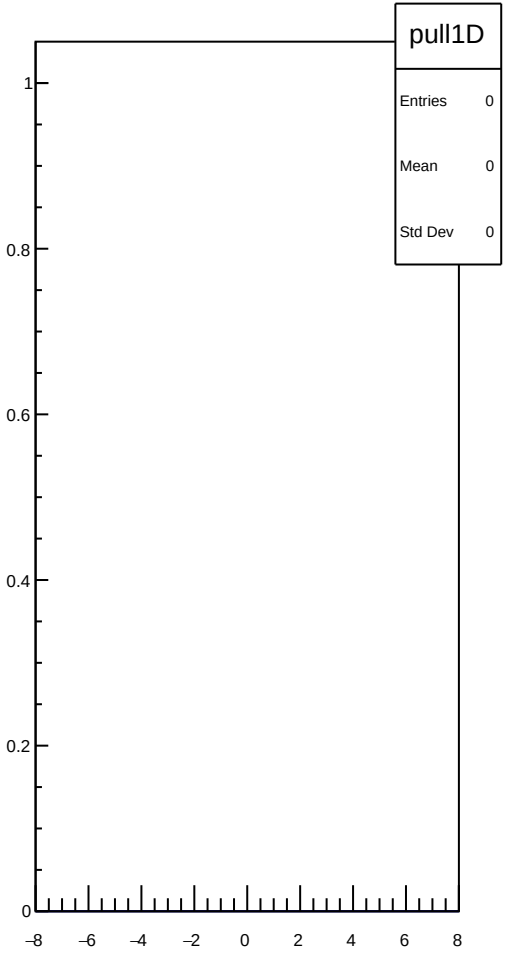

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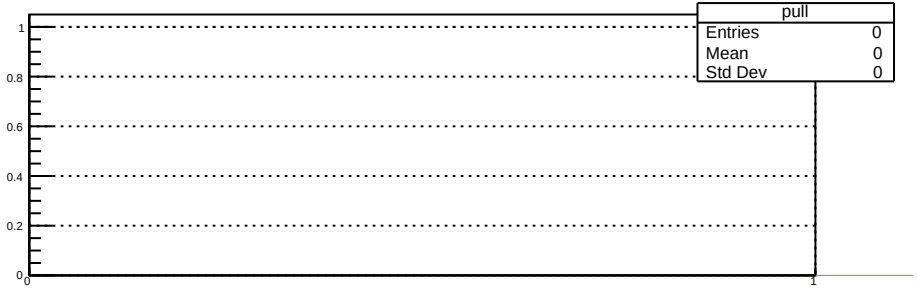

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

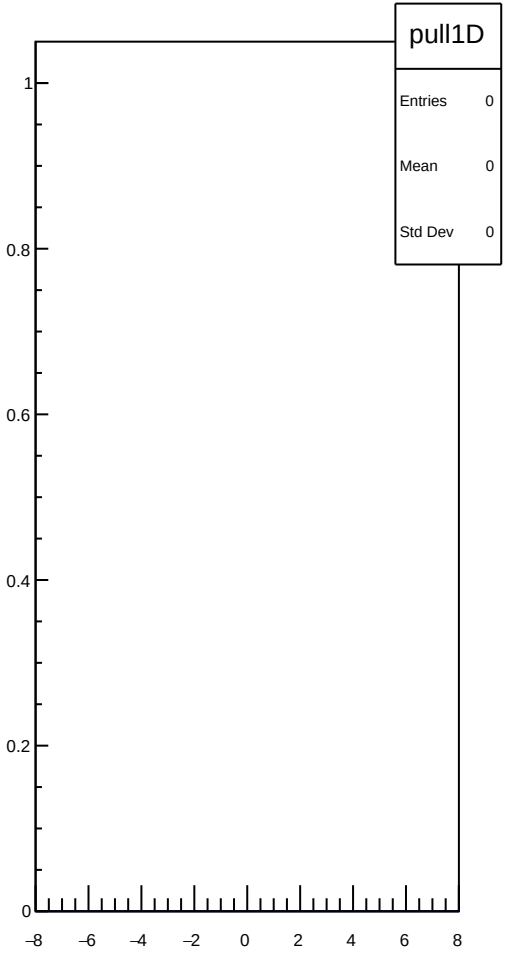

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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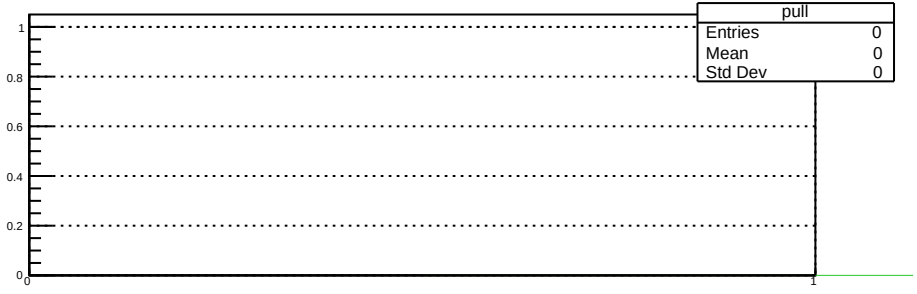

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–2
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2
4
6
8

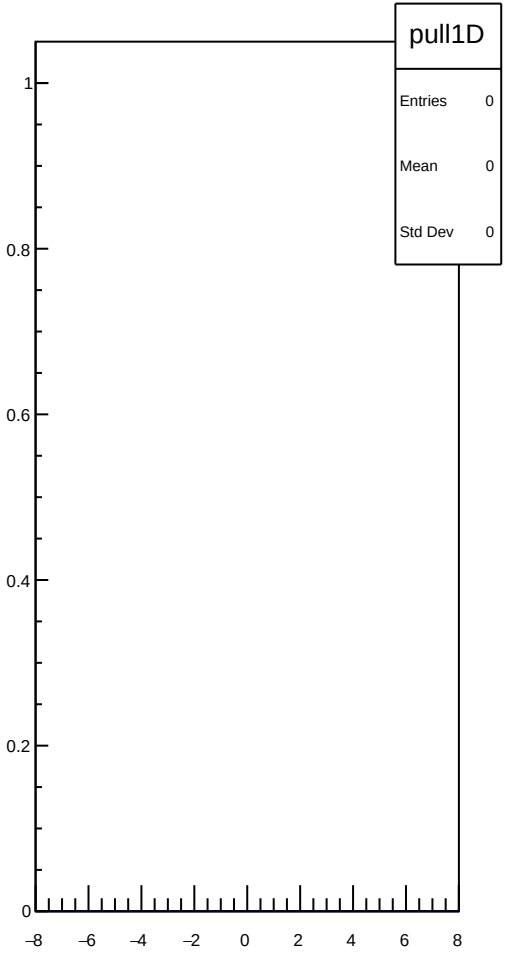

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
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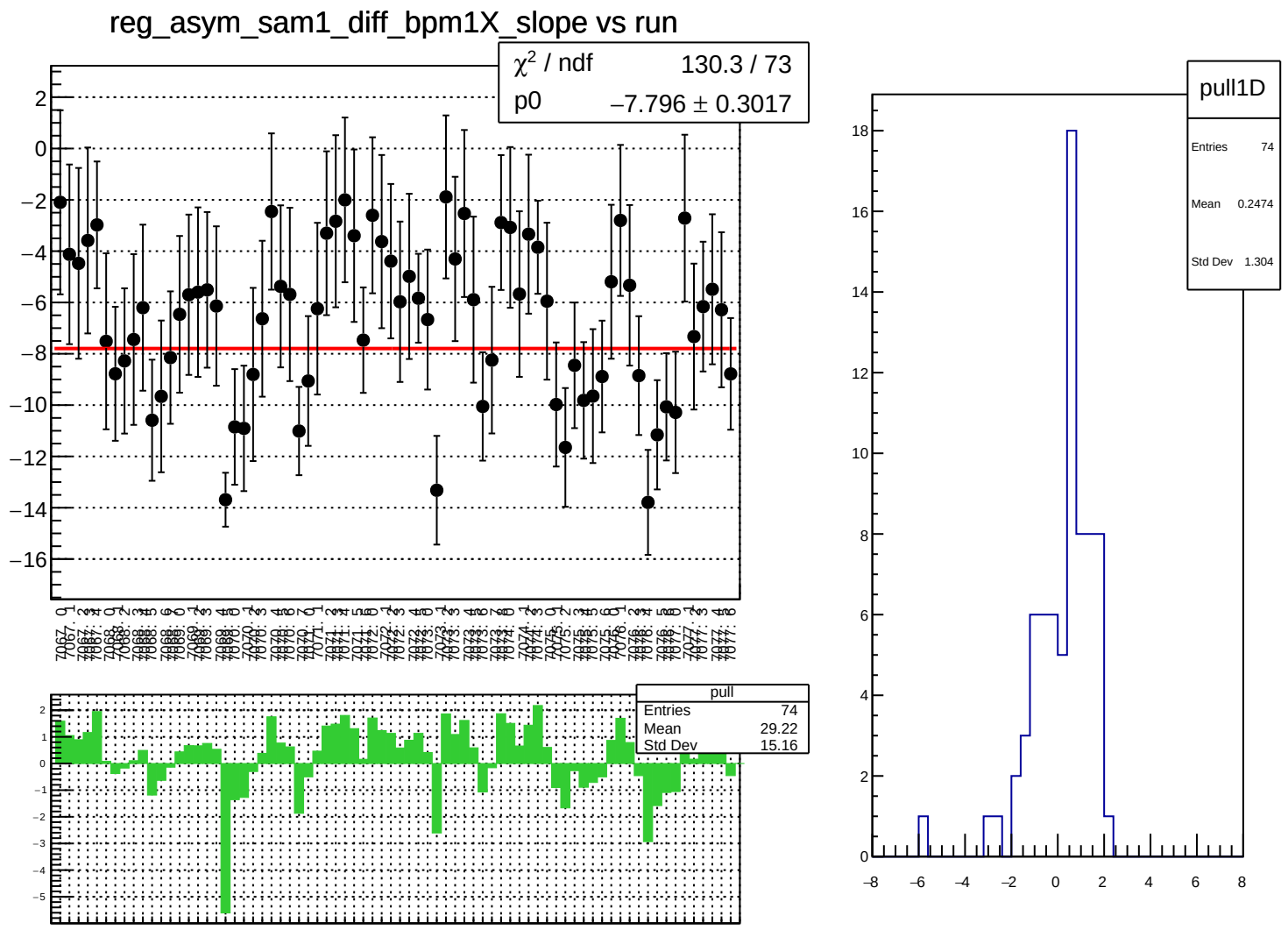

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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2
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6
8

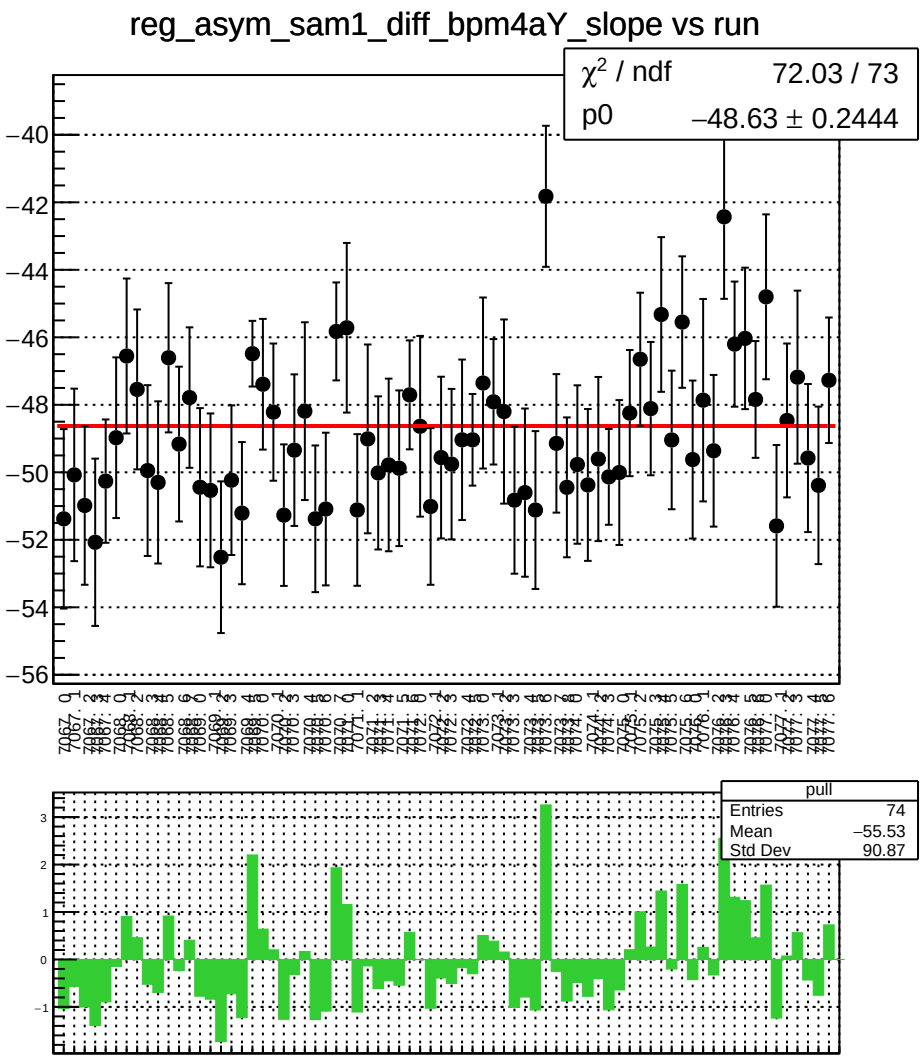

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

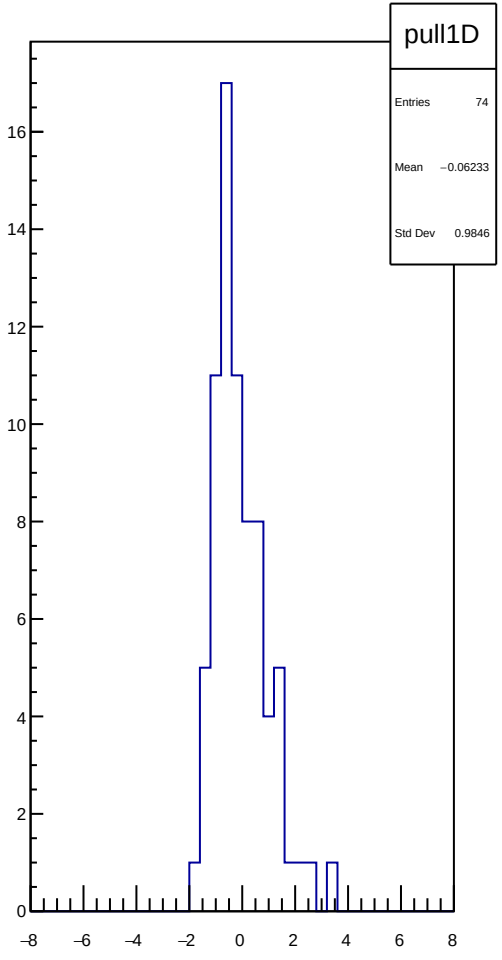

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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2
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6
8

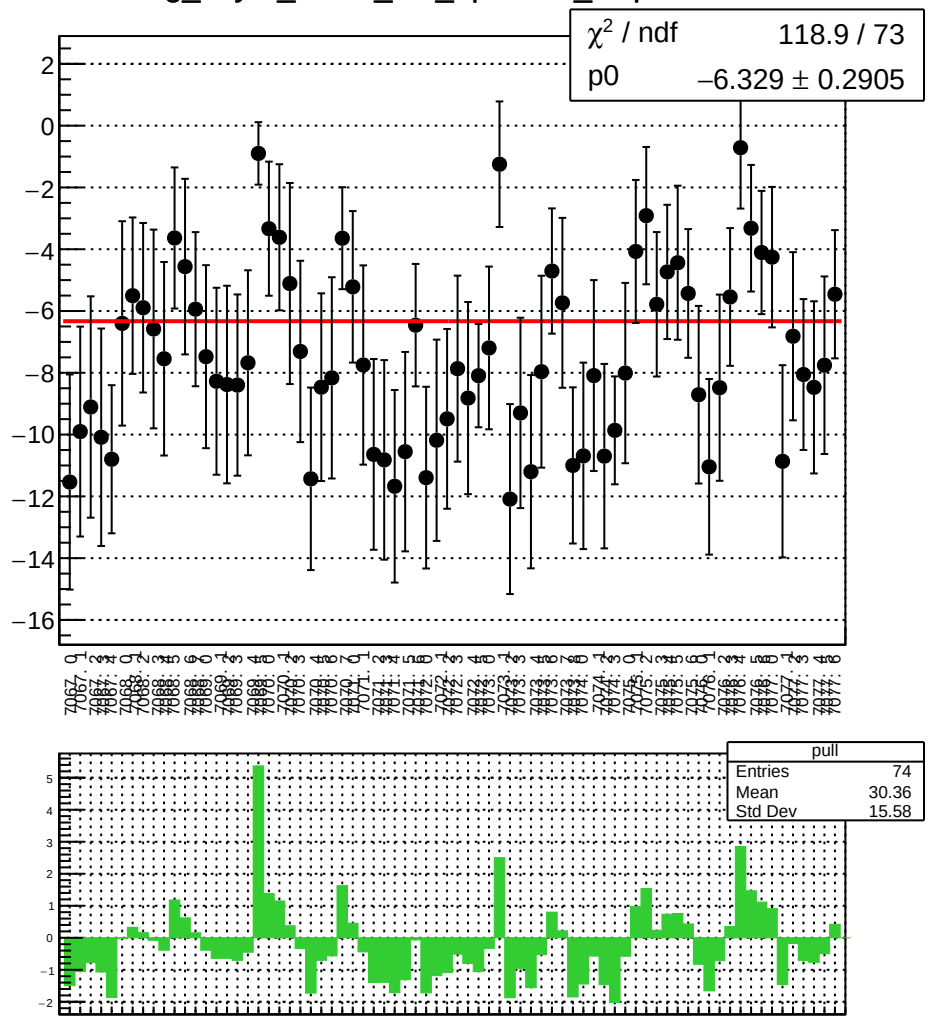

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

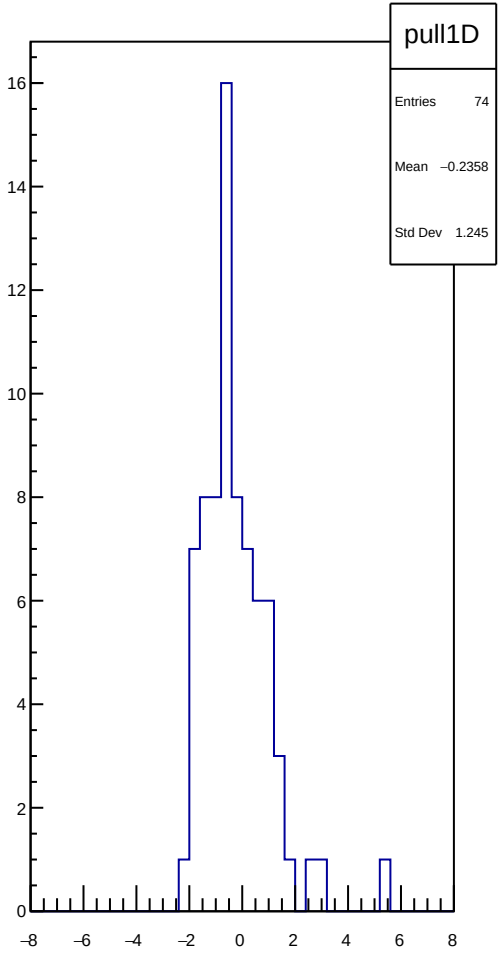

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

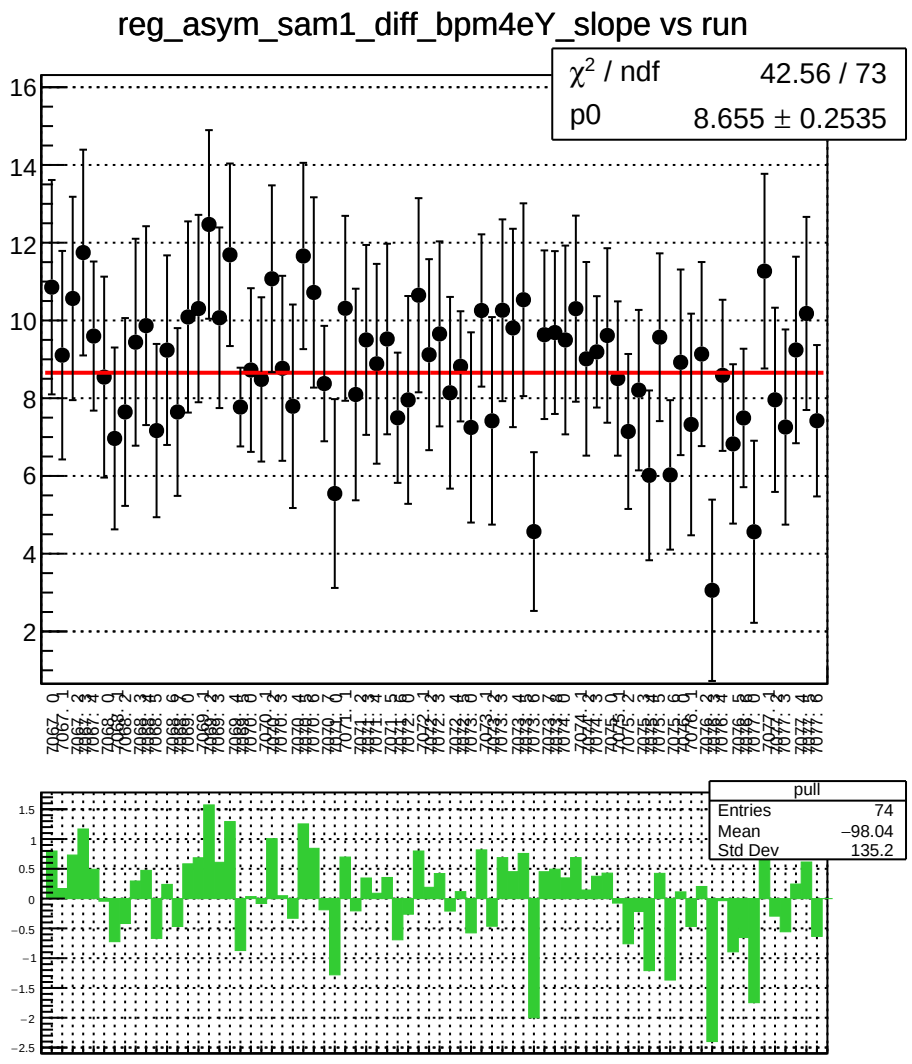

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 130.3 / 73
p0 −7.796 ± 0.3017
pull
Entries 74
Mean 29.22
Std Dev 15.16
pull1D
Entries 74
Mean 0.2474
Std Dev 1.304

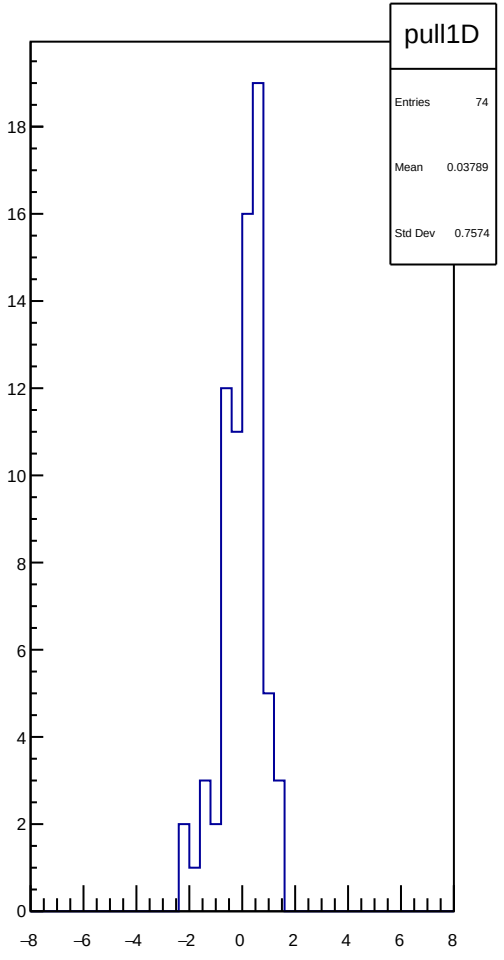

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 72.03 / 73
p0 −48.63 ± 0.2444
pull
Entries 74
Mean −55.53
Std Dev 90.87

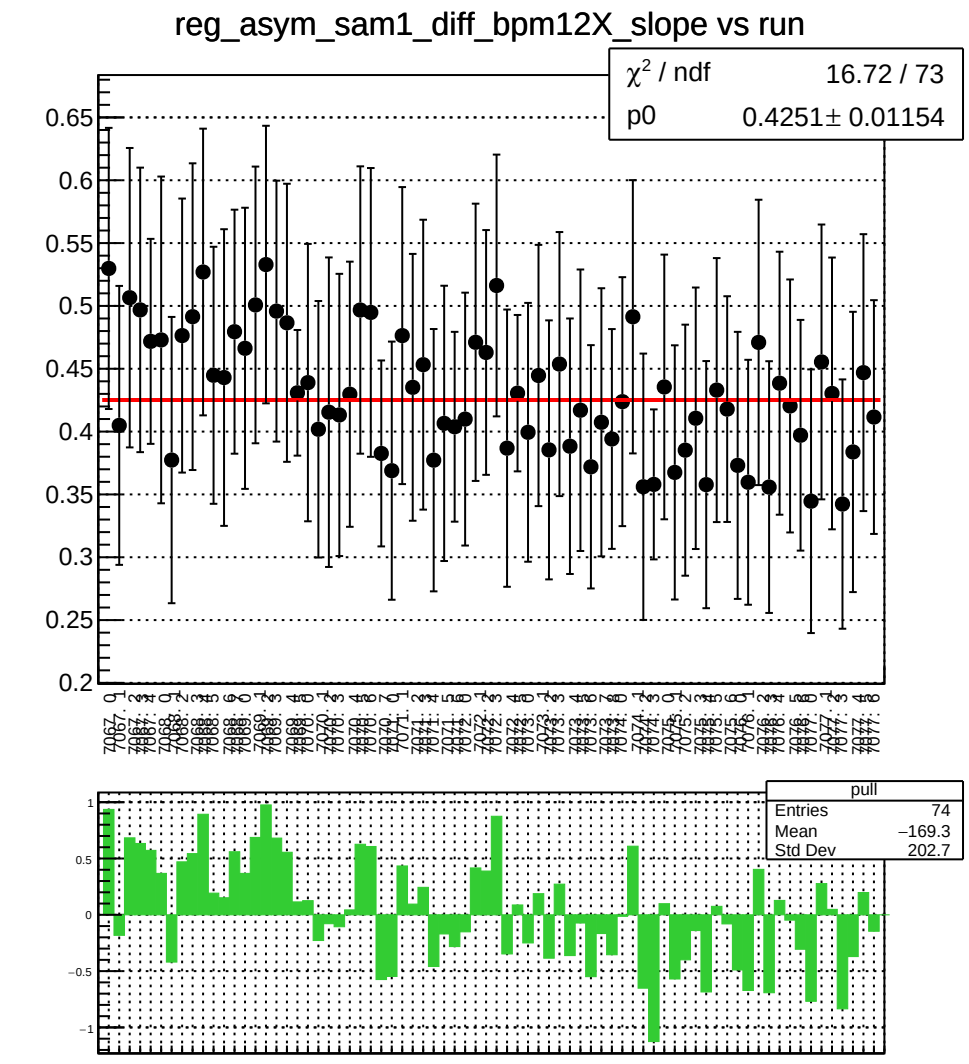

pull1D
Entries 74
Mean −0.06233
Std Dev 0.9846

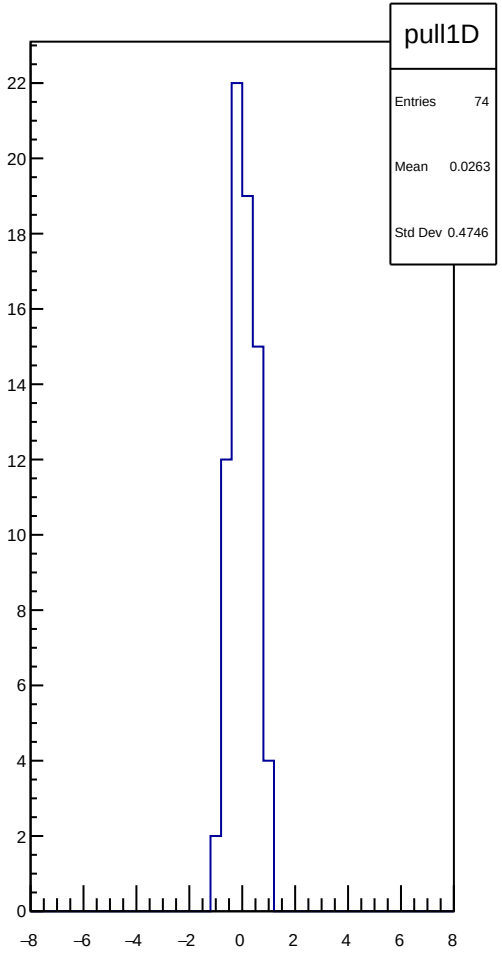

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 118.9 / 73
p0 −6.329 ± 0.2905
pull
Entries 74
Mean 30.36
Std Dev 15.58

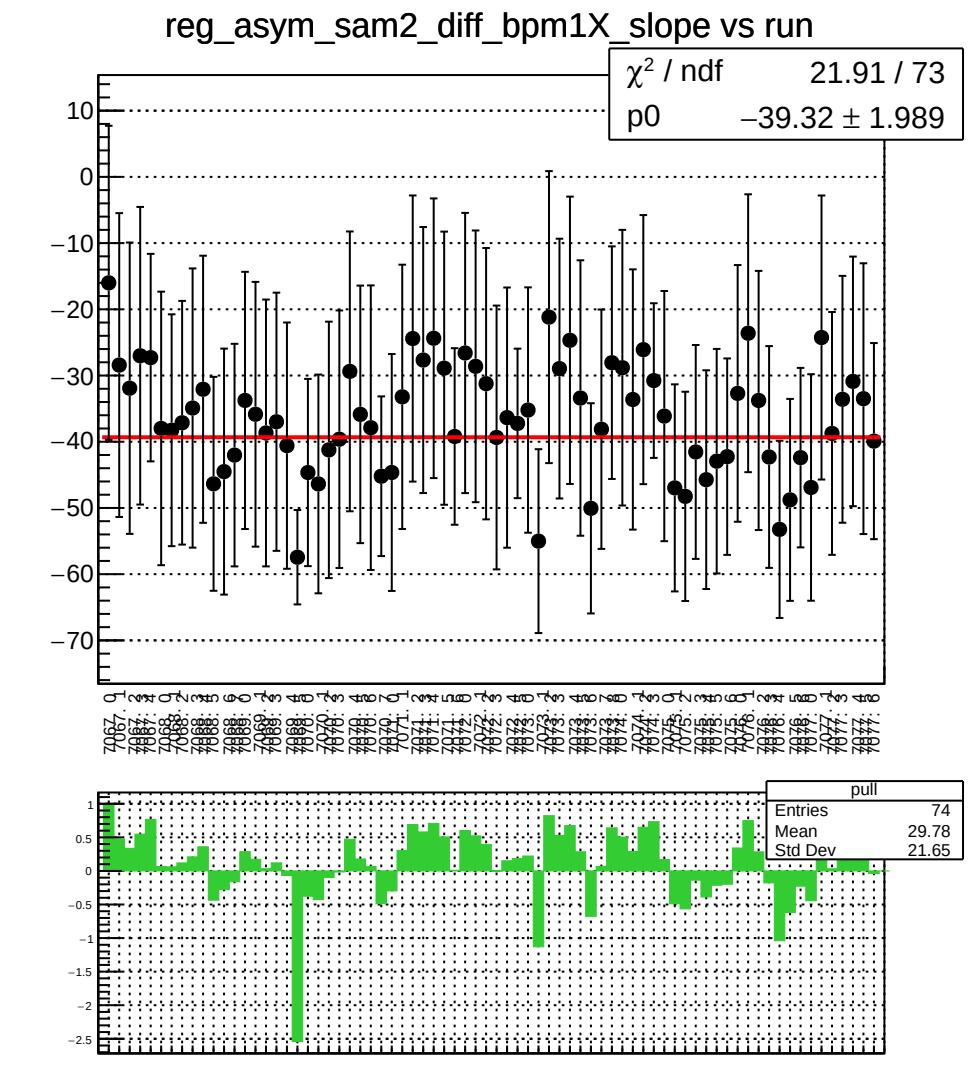

pull1D
Entries 74
Mean −0.2358
Std Dev 1.245

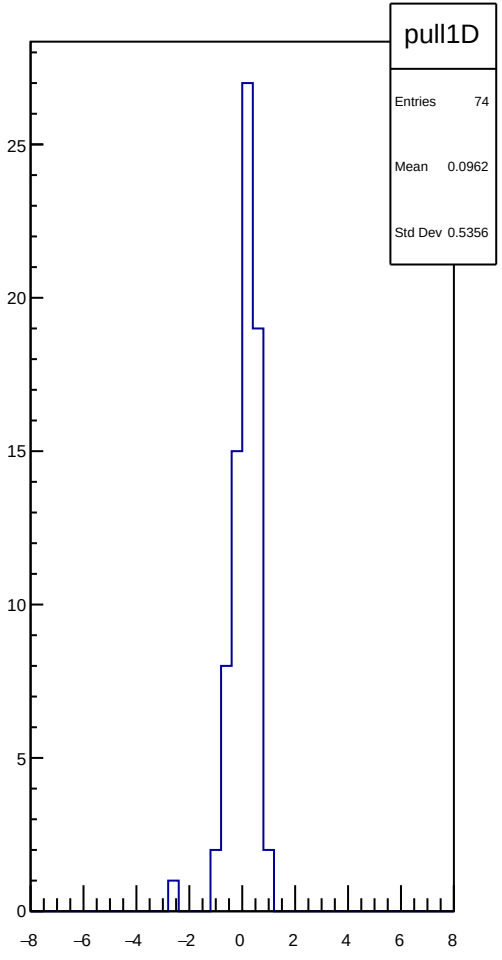

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 42.56 / 73
p0 8.655 ± 0.2535
pull
Entries 74
Mean −98.04
Std Dev 135.2

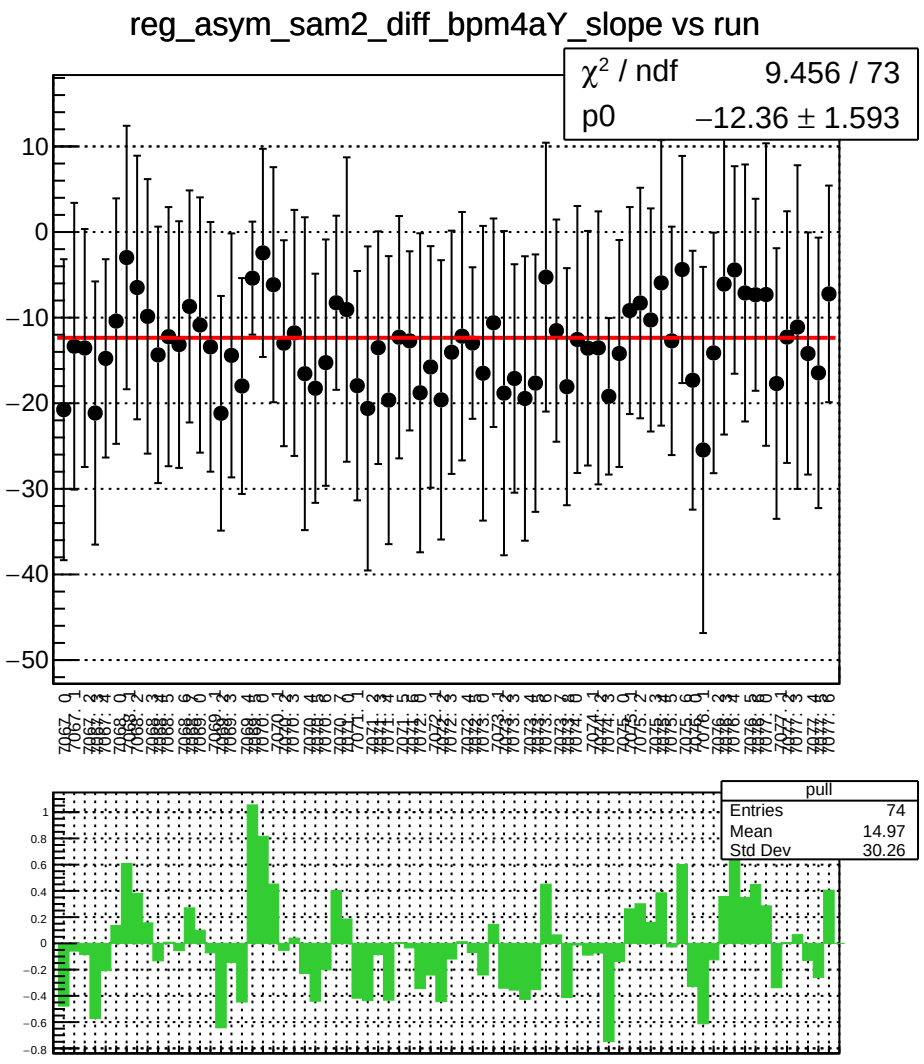

pull1D
Entries 74
Mean 0.03789
Std Dev 0.7574

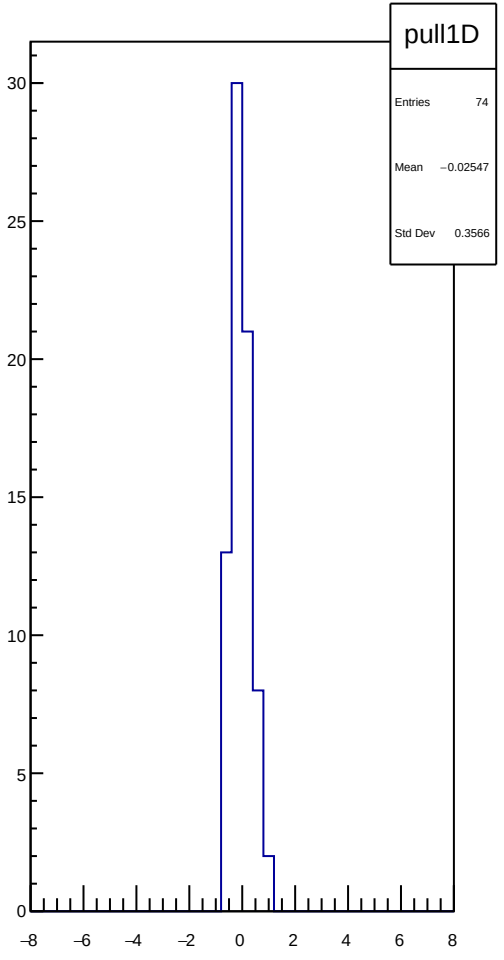

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 16.72 / 73
p0 0.4251± 0.01154
pull
Entries 74
Mean −169.3
Std Dev 202.7

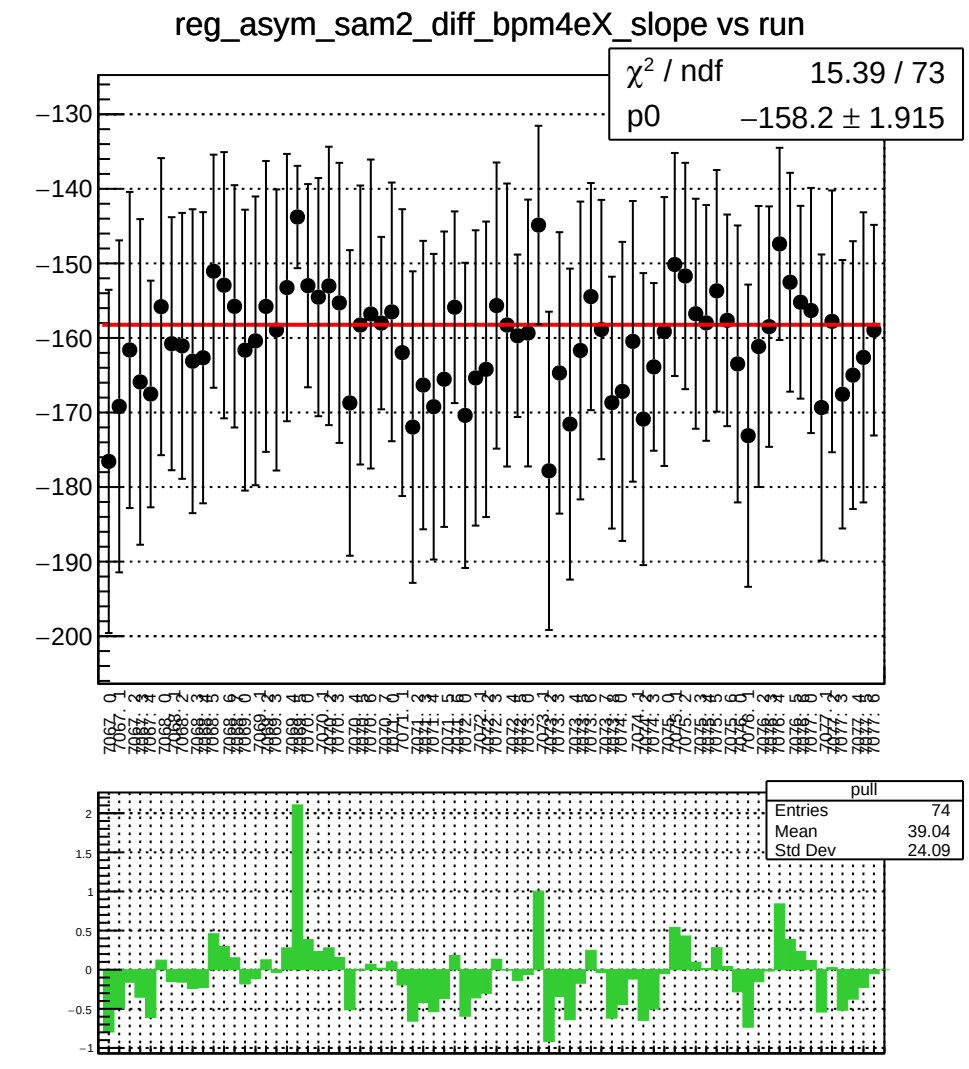

pull1D
Entries 74
Mean 0.0263
Std Dev 0.4746

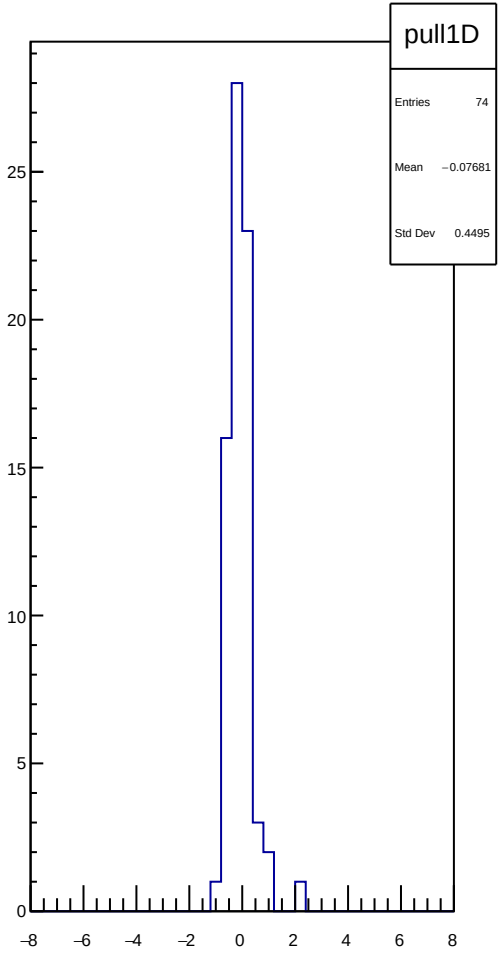

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 21.91 / 73
p0 −39.32 ± 1.989
pull
Entries 74
Mean 29.78
Std Dev 21.65

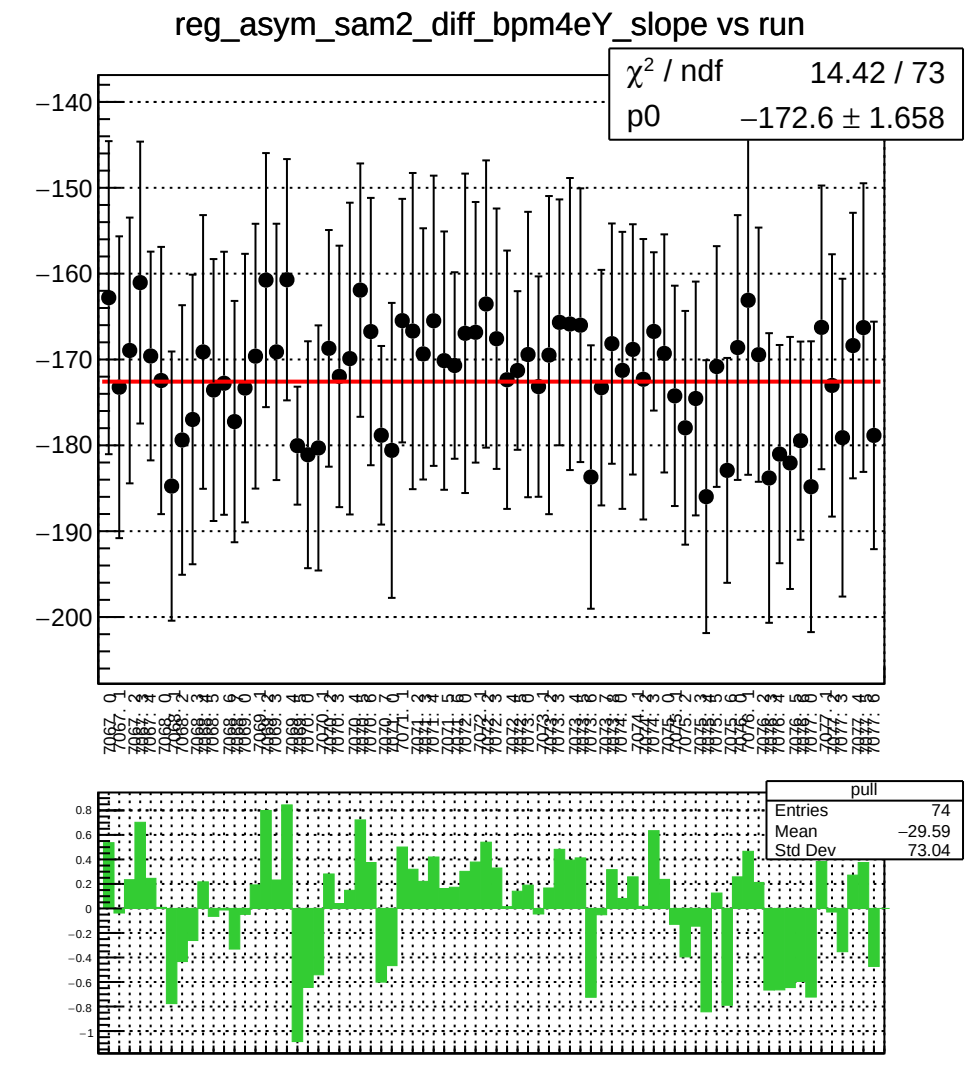

pull1D
Entries 74
Mean 0.0962
Std Dev 0.5356

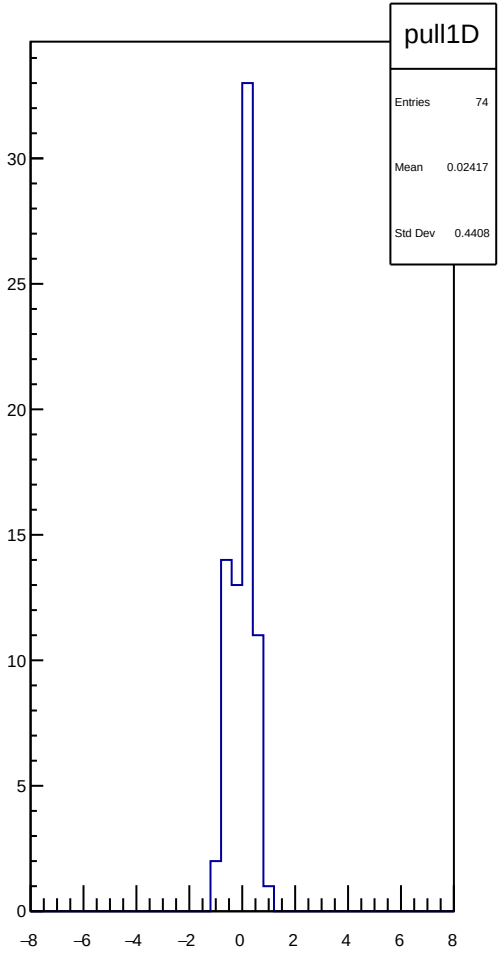

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 9.456 / 73
p0 −12.36 ± 1.593
pull
Entries 74
Mean 14.97
Std Dev 30.26

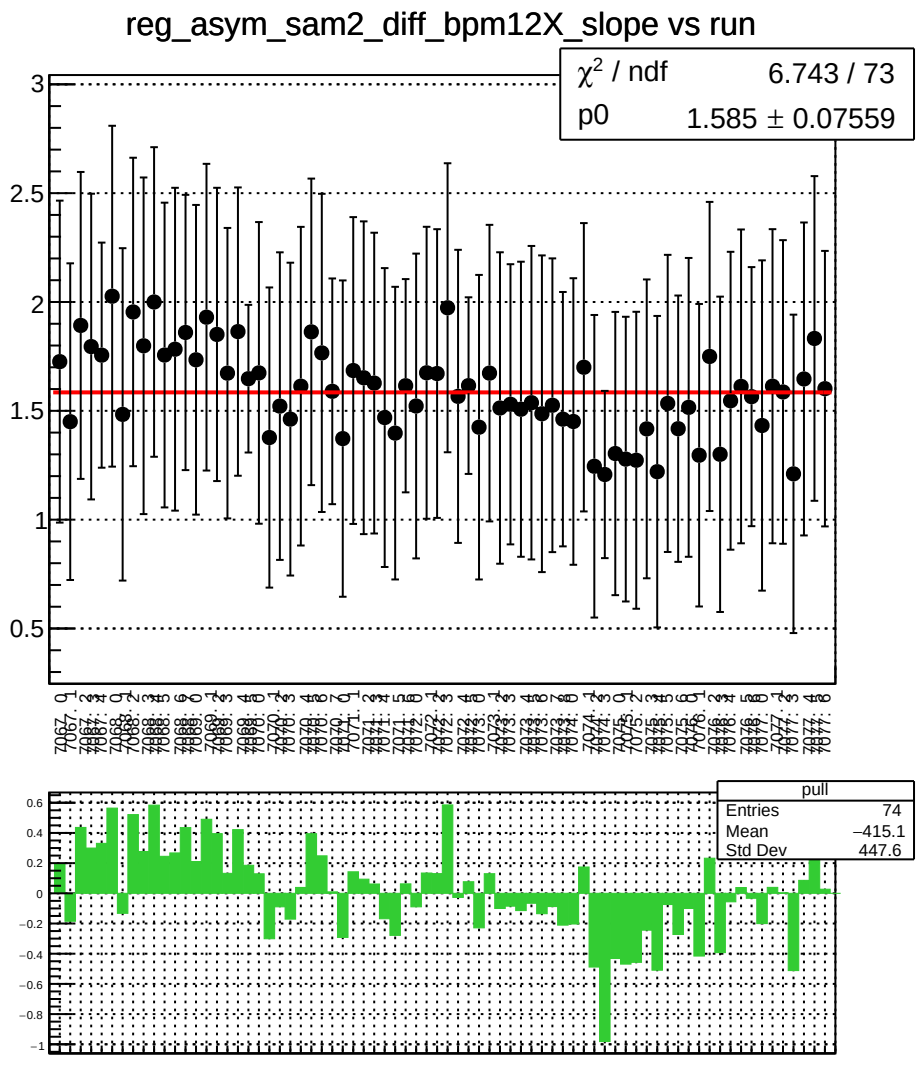

pull1D
Entries 74
Mean −0.02547
Std Dev 0.3566

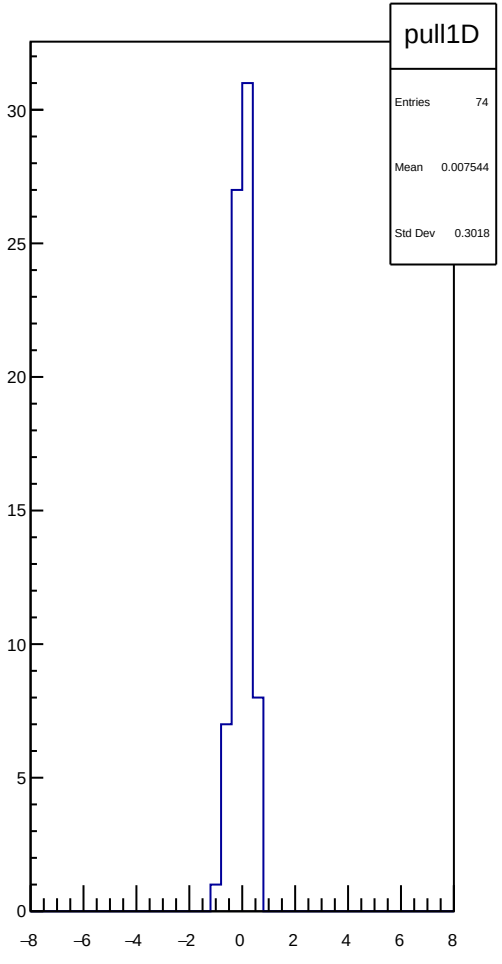

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.39 / 73
p0 −158.2 ± 1.915
pull
Entries 74
Mean 39.04
Std Dev 24.09

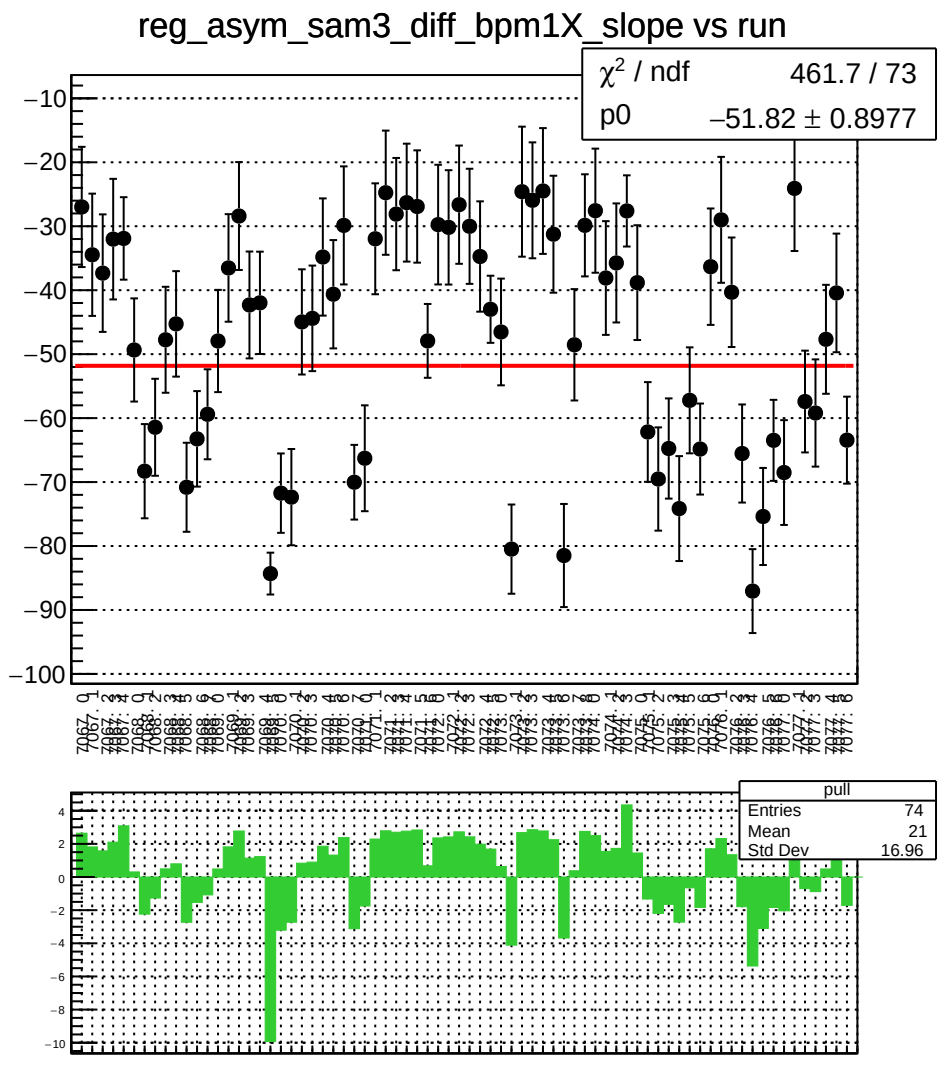

pull1D
Entries 74
Mean −0.07681
Std Dev 0.4495

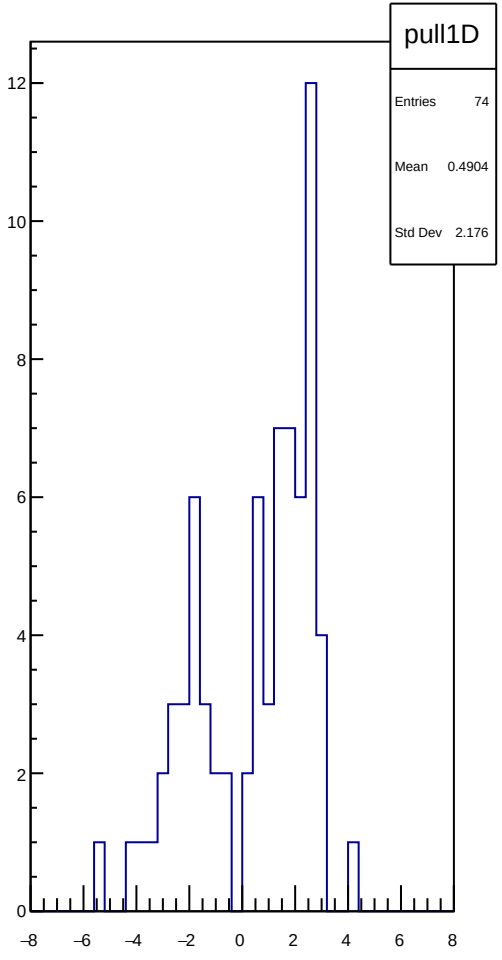

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 14.42 / 73
p0 −172.6 ± 1.658
pull
Entries 74
Mean −29.59
Std Dev 73.04

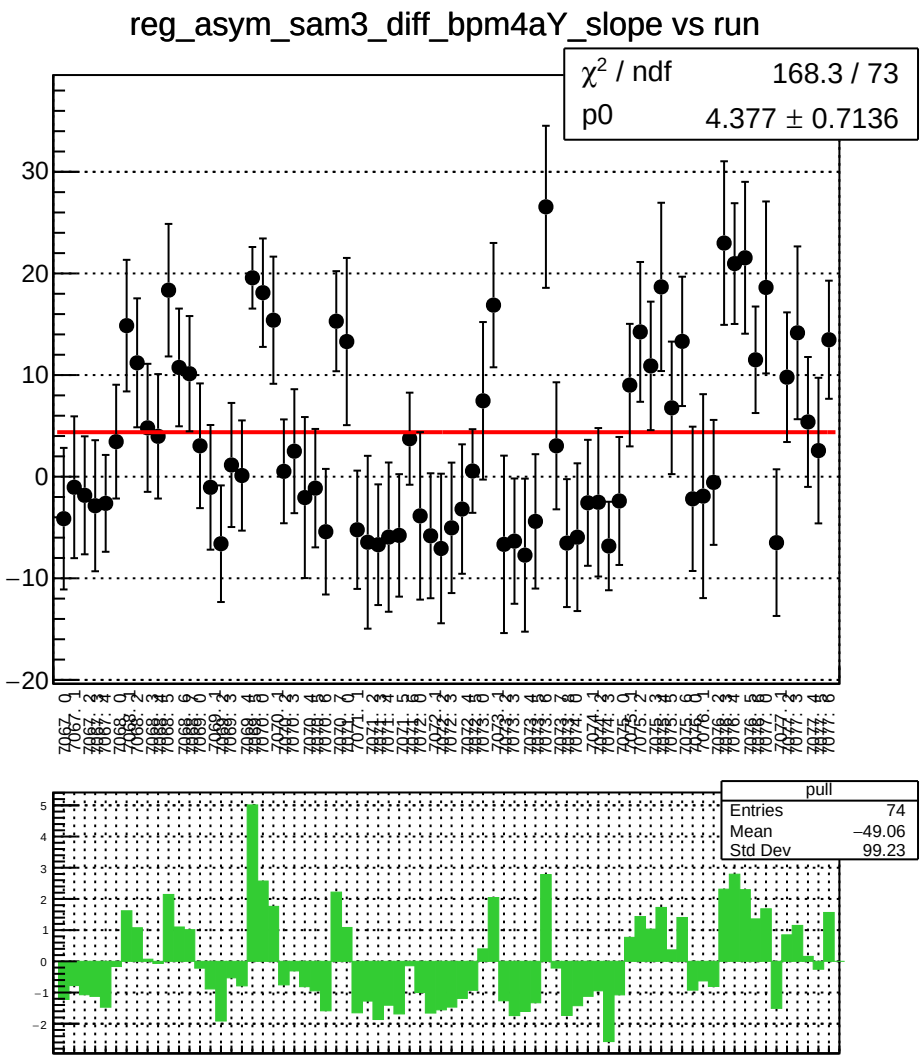

pull1D
Entries 74
Mean 0.02417
Std Dev 0.4408

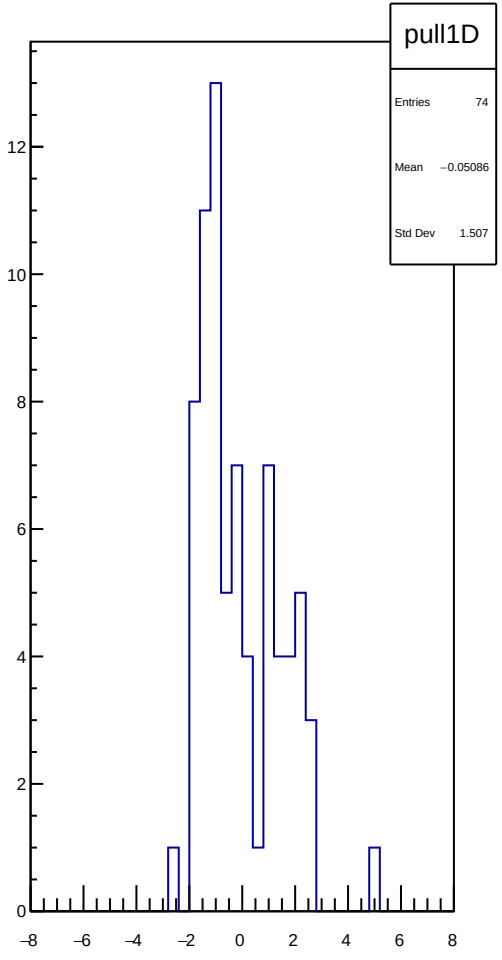

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 6.743 / 73
p0 1.585 ± 0.07559
pull
Entries 74
Mean −415.1
Std Dev 447.6

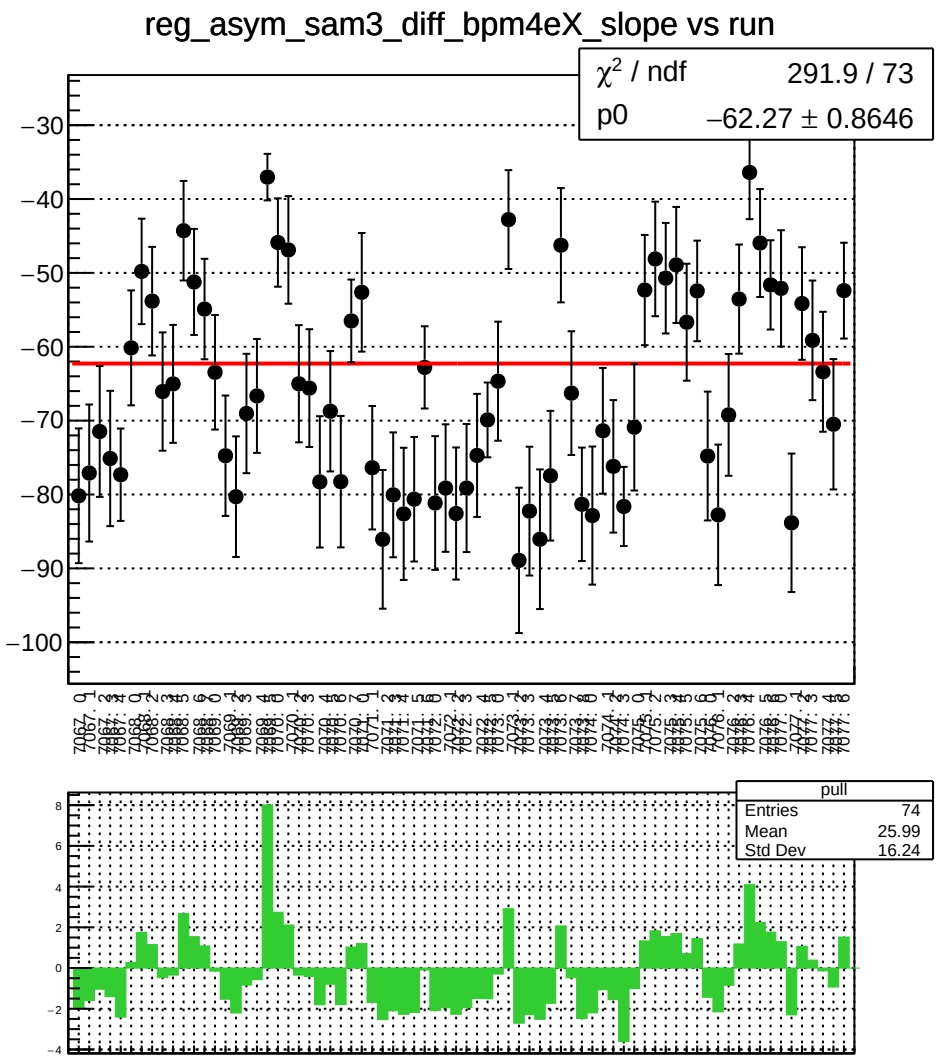

pull1D
Entries 74
Mean 0.007544
Std Dev 0.3018

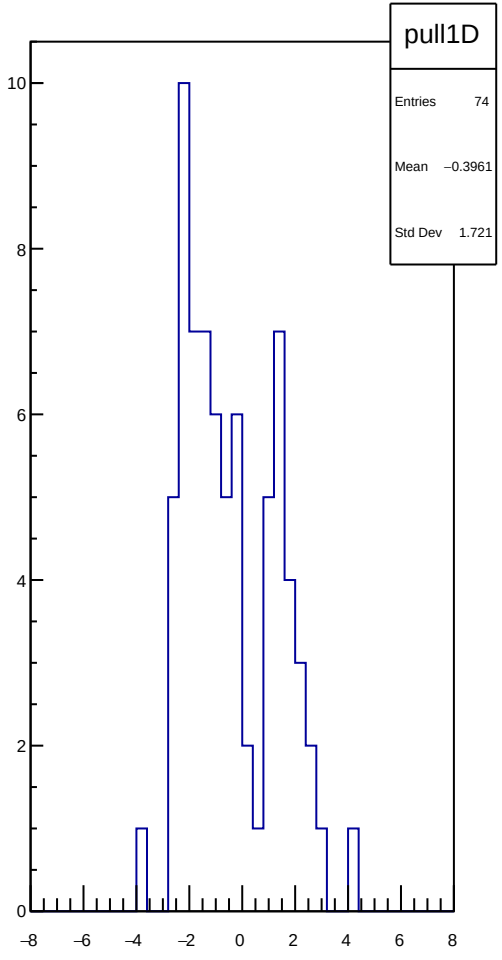

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 461.7 / 73
p0 −51.82 ± 0.8977
pull
Entries 74
Mean 21
Std Dev 16.96

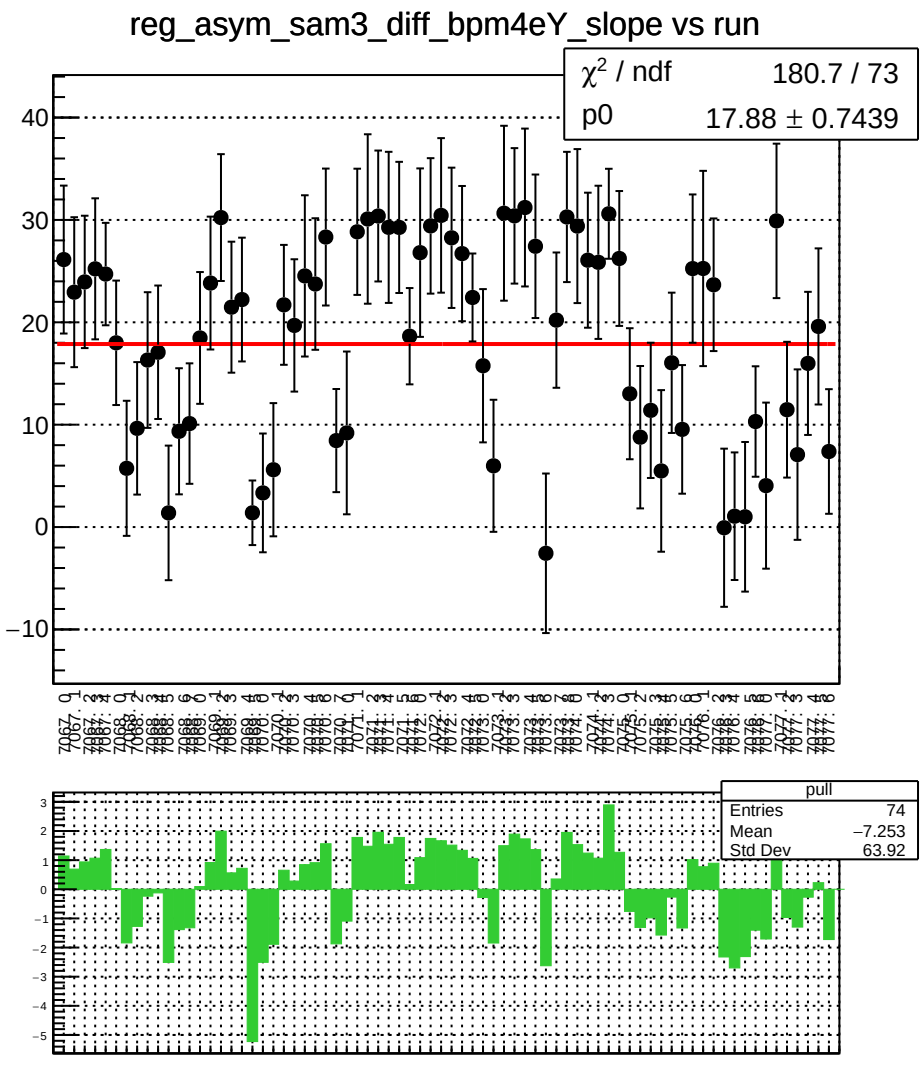

pull1D
Entries 74
Mean 0.4904
Std Dev 2.176

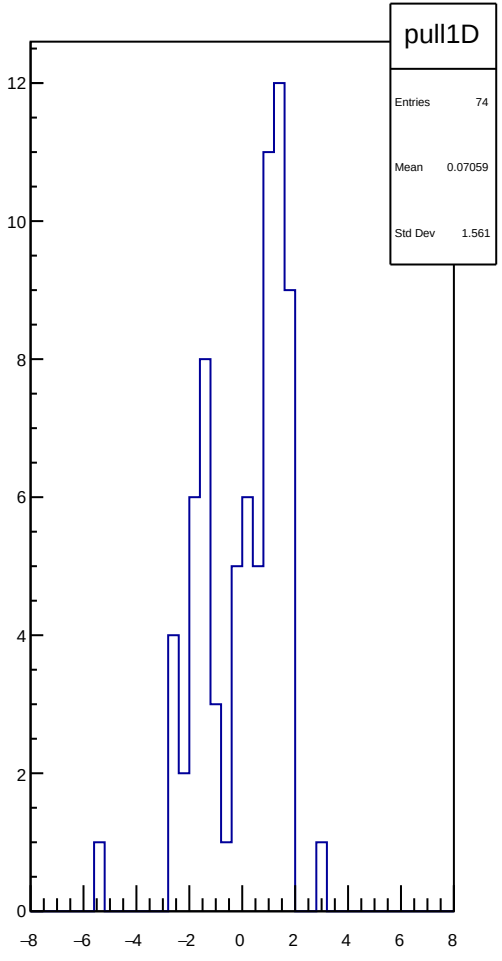

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 168.3 / 73
p0 4.377 ± 0.7136
pull
Entries 74
Mean −49.06
Std Dev 99.23

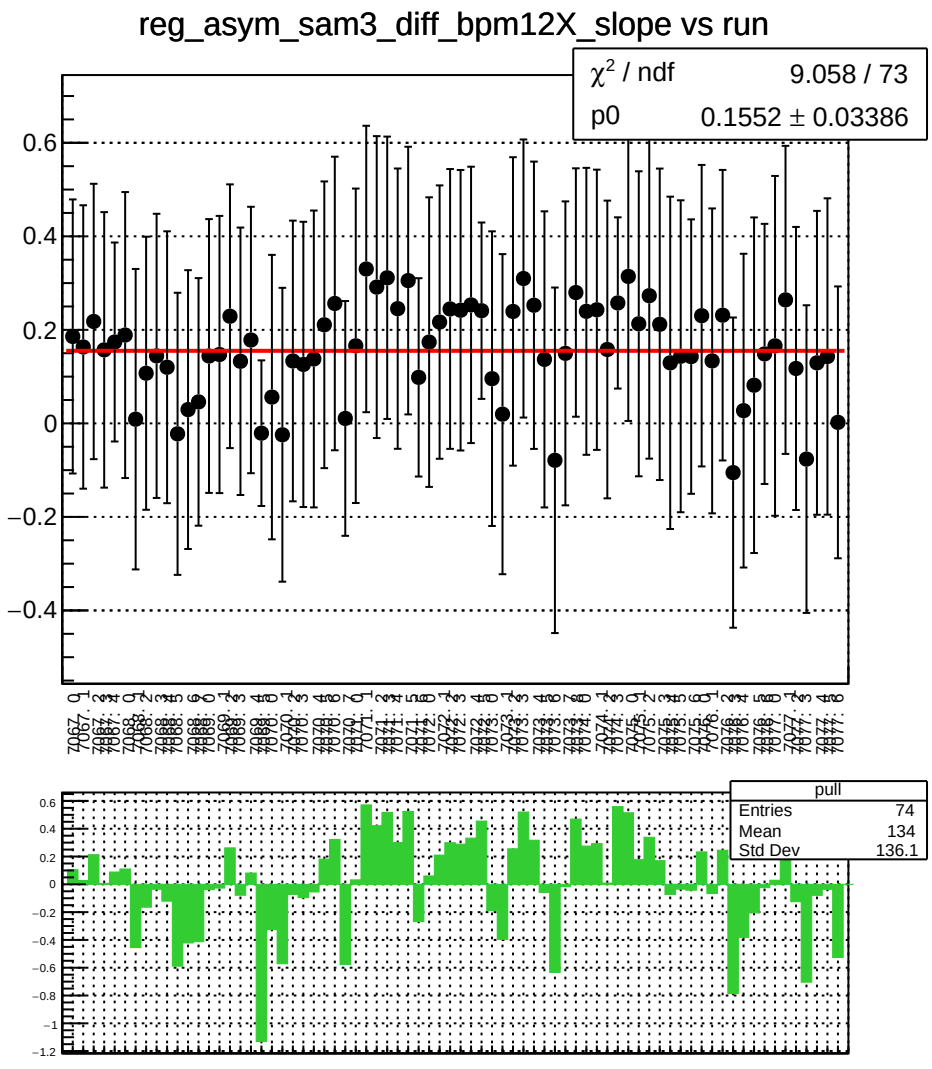

pull1D
Entries 74
Mean −0.05086
Std Dev 1.507

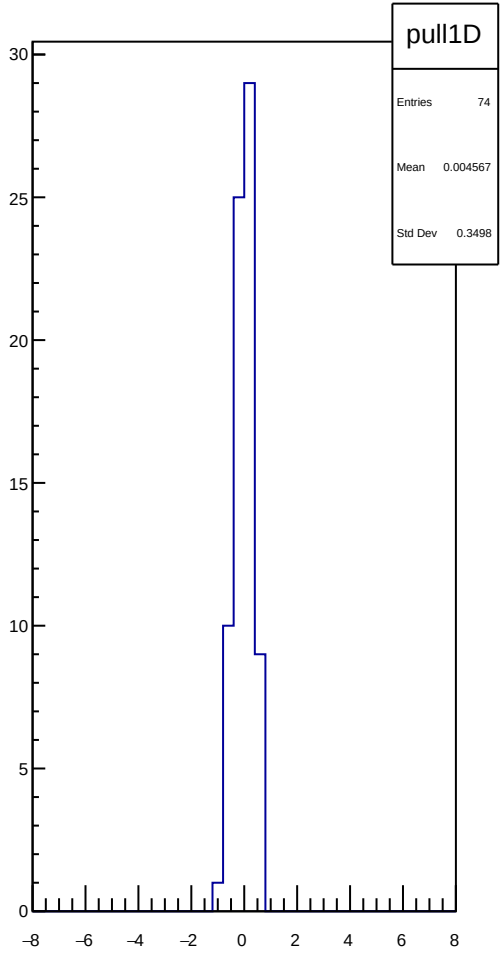

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 291.9 / 73
p0 −62.27 ± 0.8646
pull
Entries 74
Mean 25.99
Std Dev 16.24

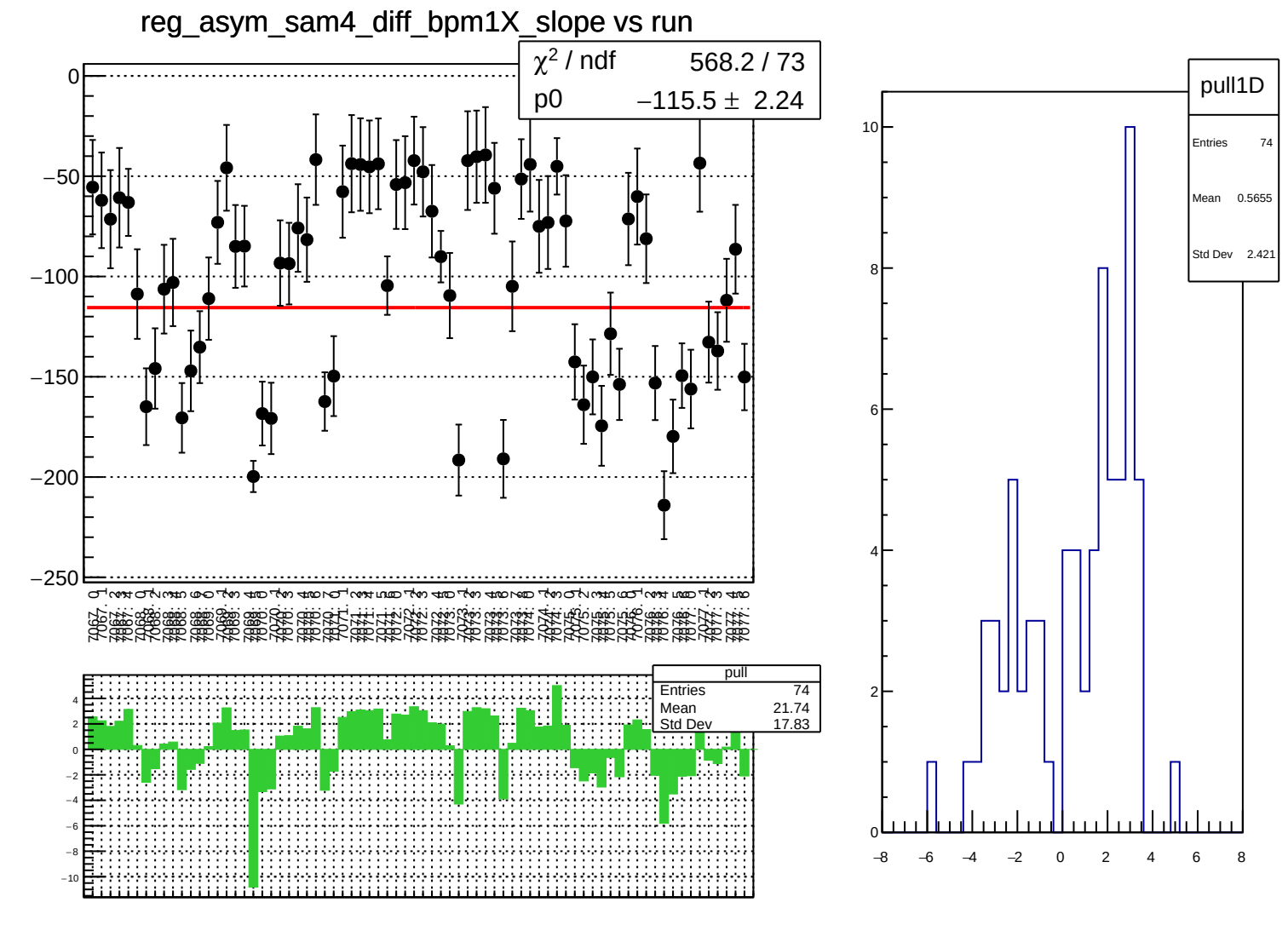

pull1D
Entries 74
Mean −0.3961
Std Dev 1.721

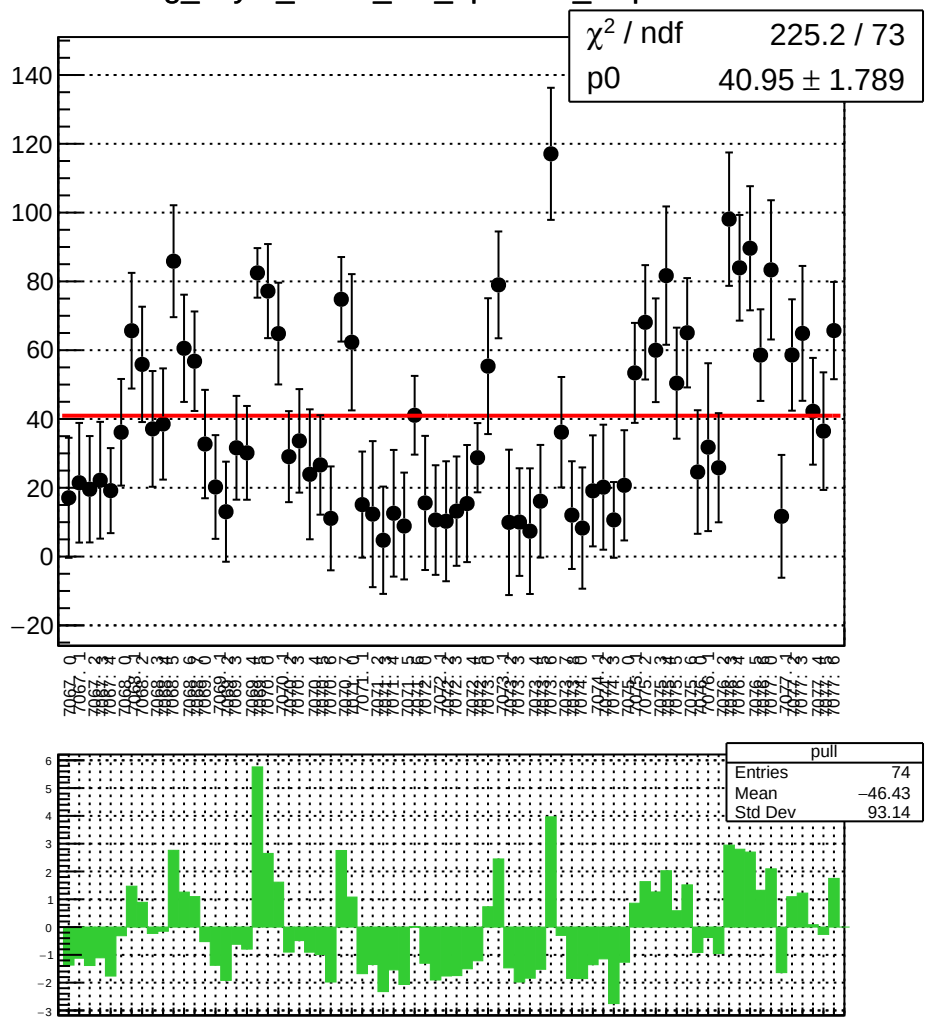

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 180.7 / 73
p0 17.88 ± 0.7439
pull
Entries 74
Mean −7.253
Std Dev 63.92

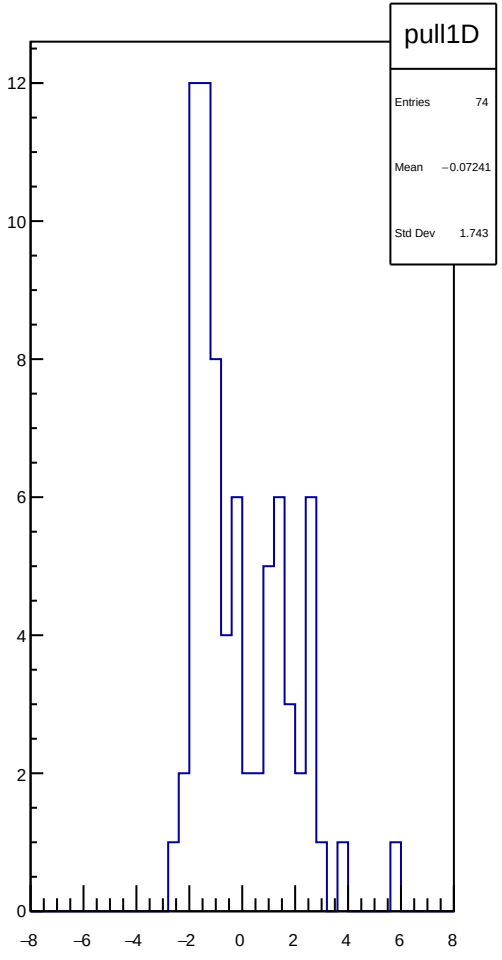

pull1D
Entries 74
Mean 0.07059
Std Dev 1.561

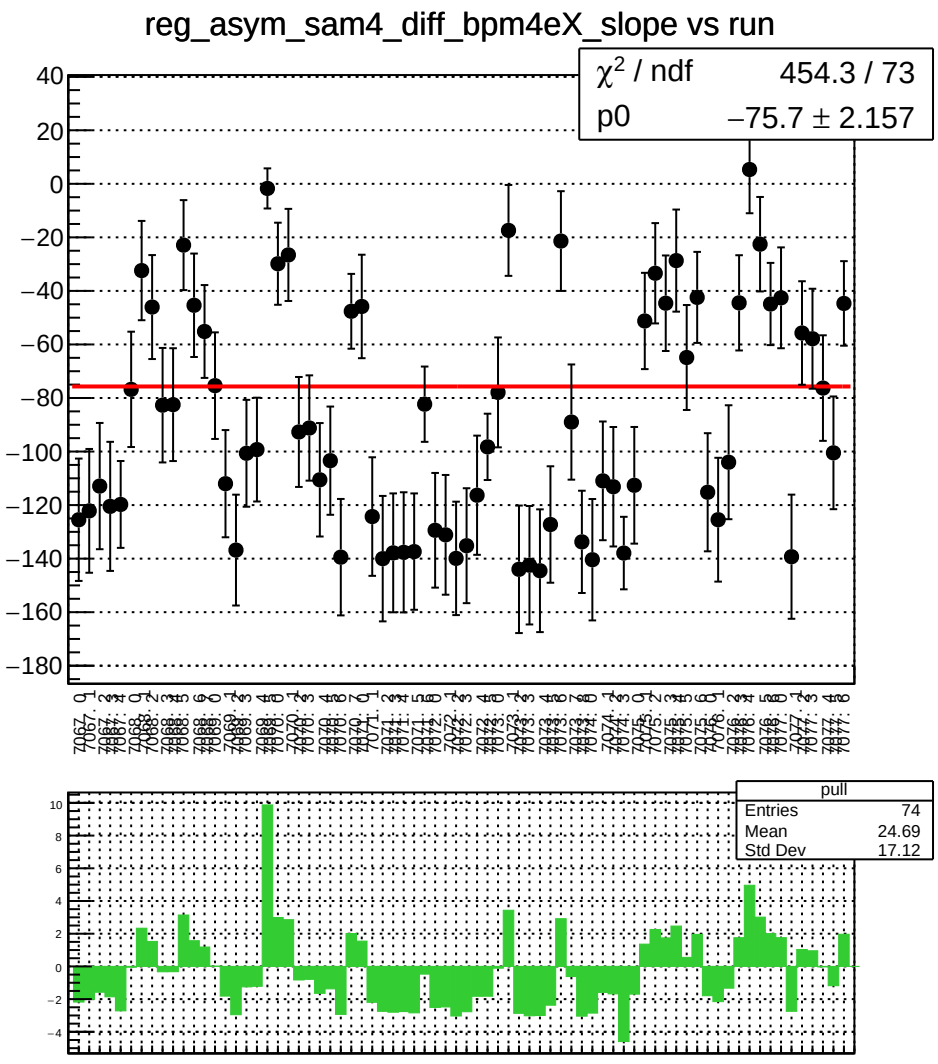

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 9.058 / 73
p0 0.1552 ± 0.03386
pull
Entries 74
Mean 134
Std Dev 136.1

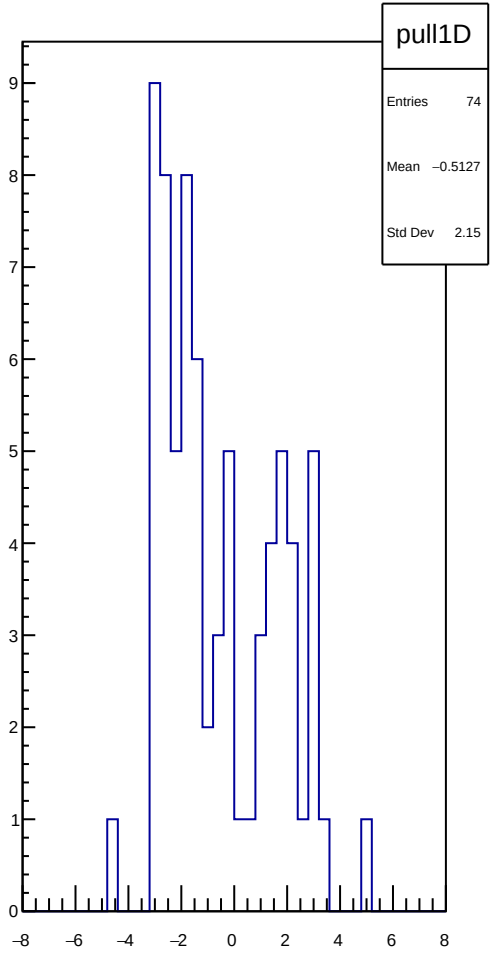

pull1D
Entries 74
Mean 0.004567
Std Dev 0.3498

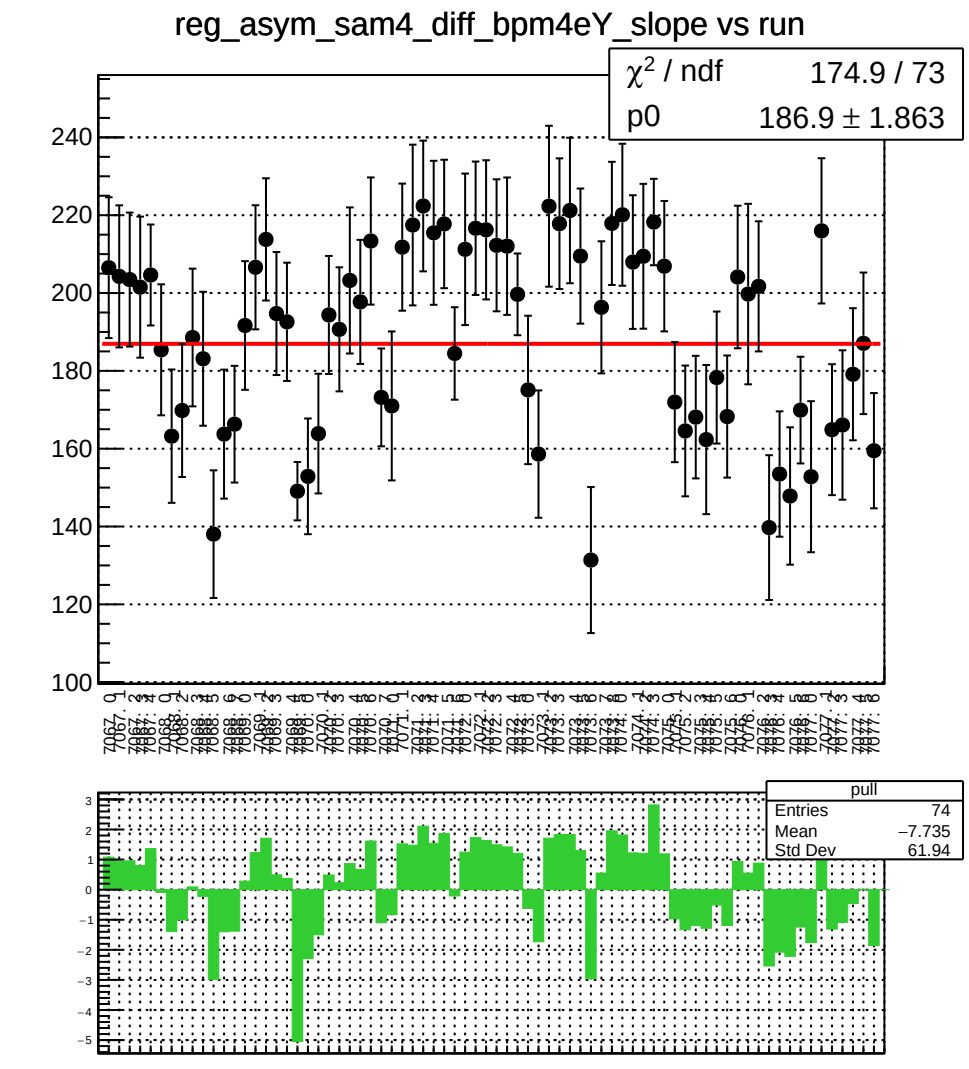

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 568.2 / 73
p0 −115.5 ± 2.24
pull
Entries 74
Mean 21.74
Std Dev 17.83
pull1D
Entries 74
Mean 0.5655
Std Dev 2.421

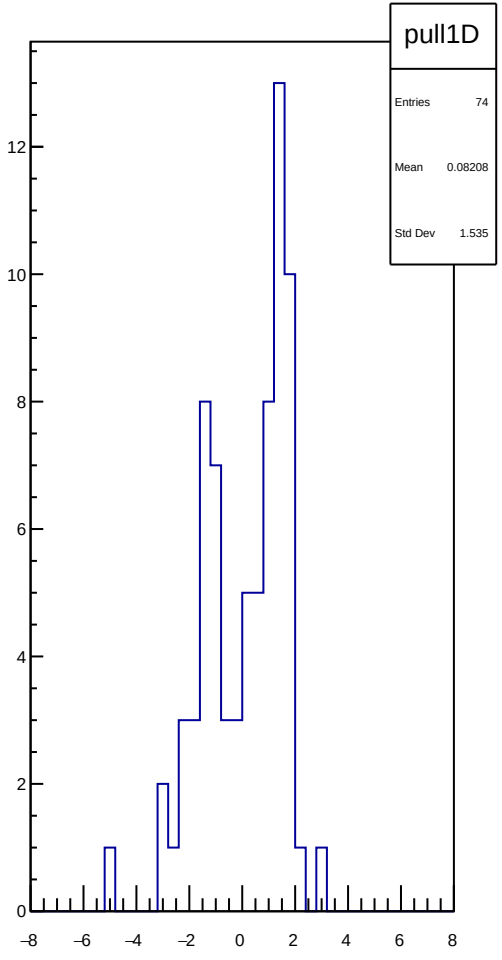

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 225.2 / 73
p0 40.95 ± 1.789
pull
Entries 74
Mean −46.43
Std Dev 93.14

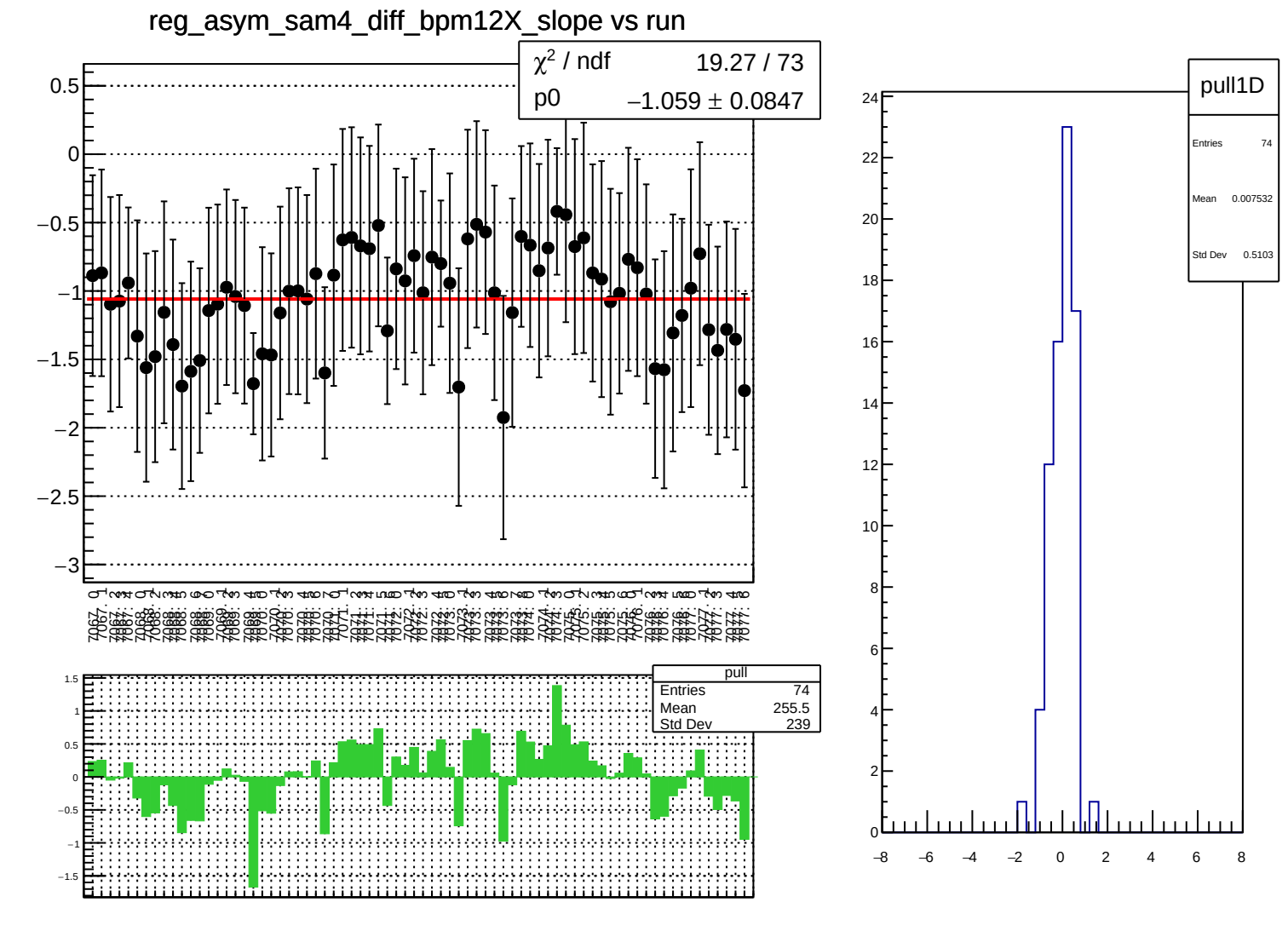

pull1D
Entries 74
Mean −0.07241
Std Dev 1.743

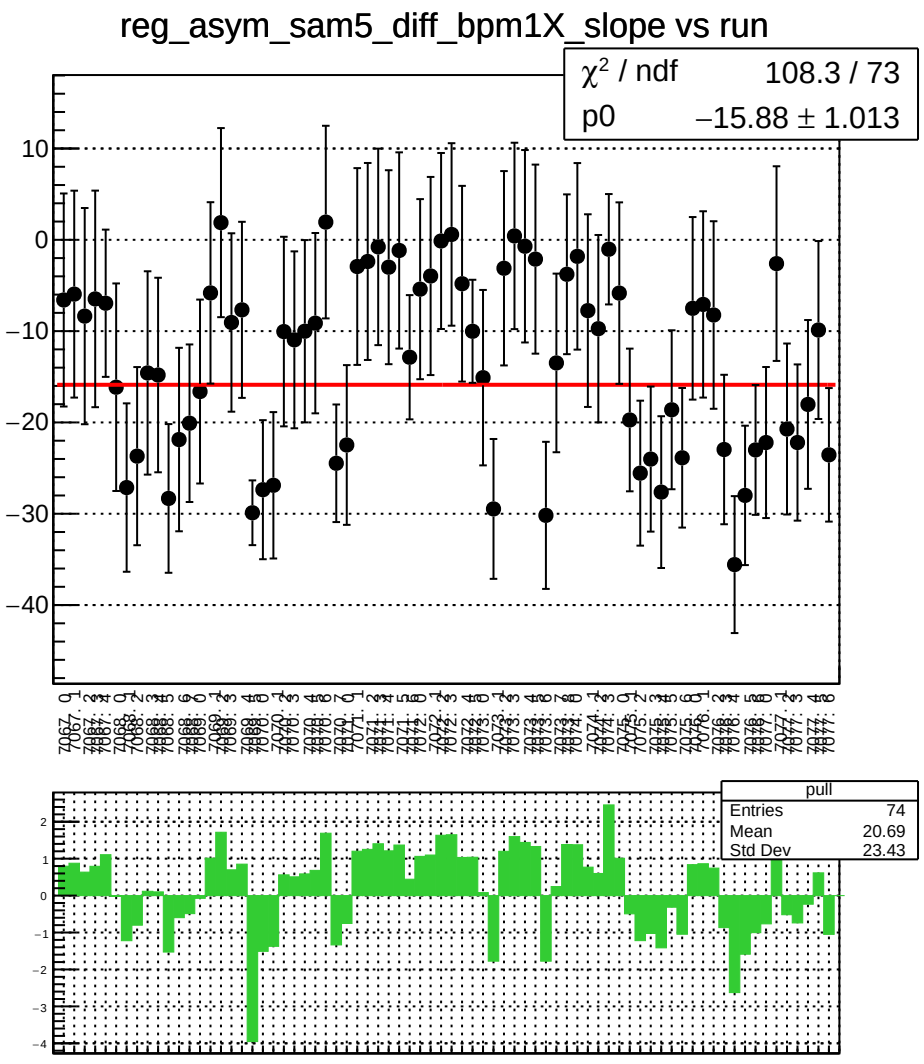

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 454.3 / 73
p0 −75.7 ± 2.157
pull
Entries 74
Mean 24.69
Std Dev 17.12

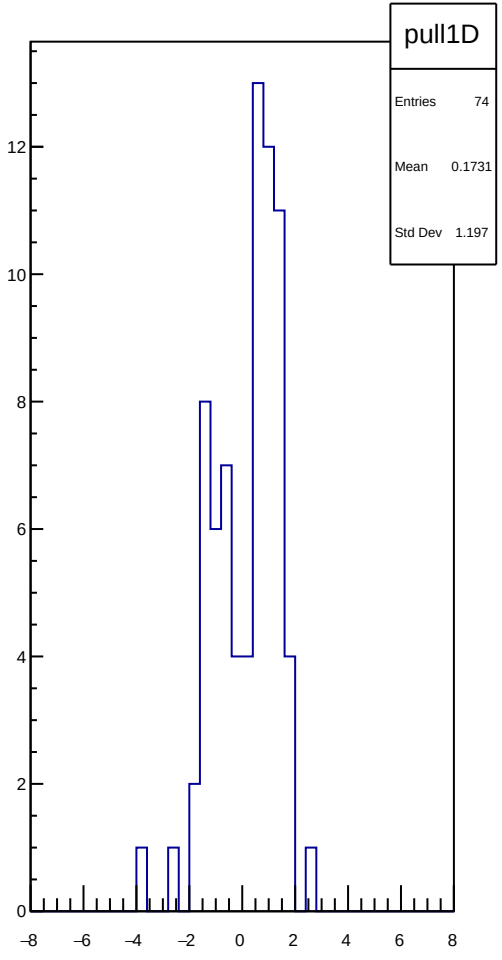

pull1D
Entries 74
Mean −0.5127
Std Dev 2.15

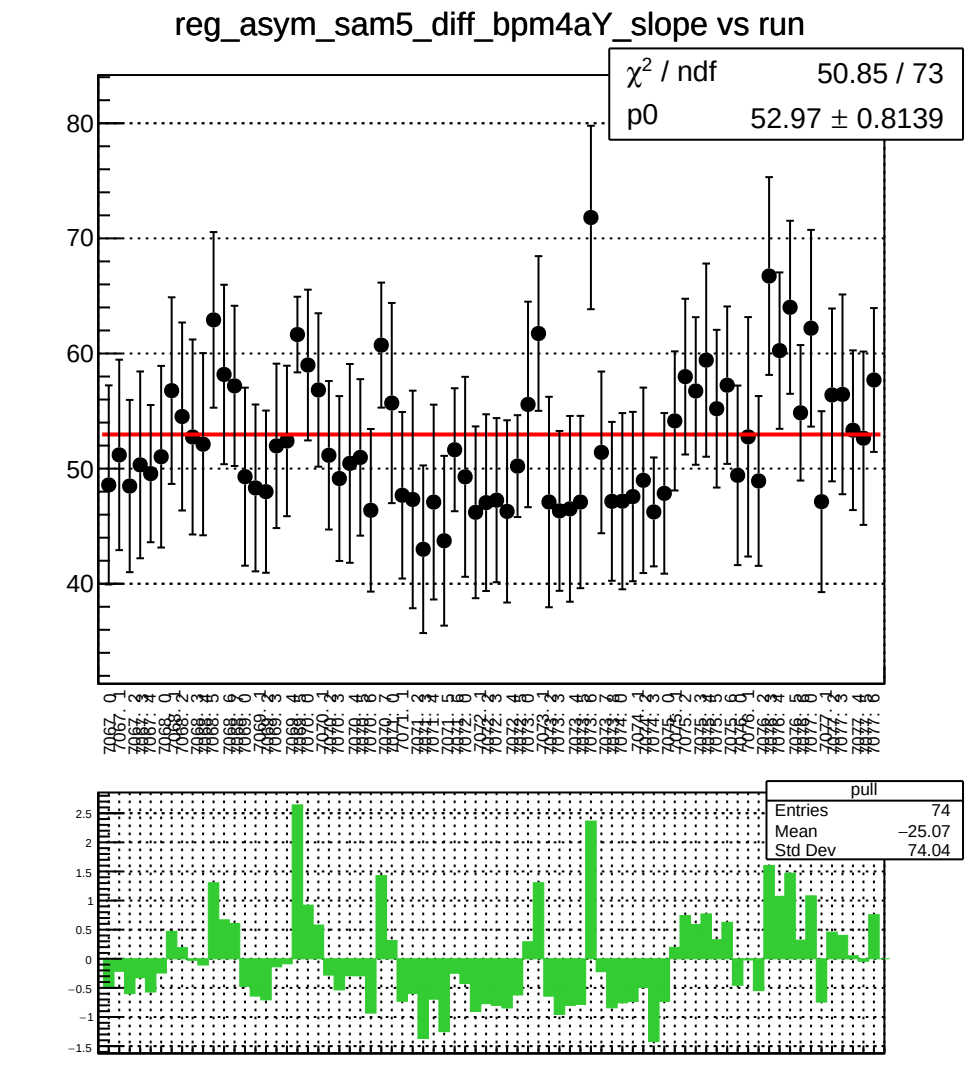

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 174.9 / 73
p0 186.9 ± 1.863
pull
Entries 74
Mean −7.735
Std Dev 61.94

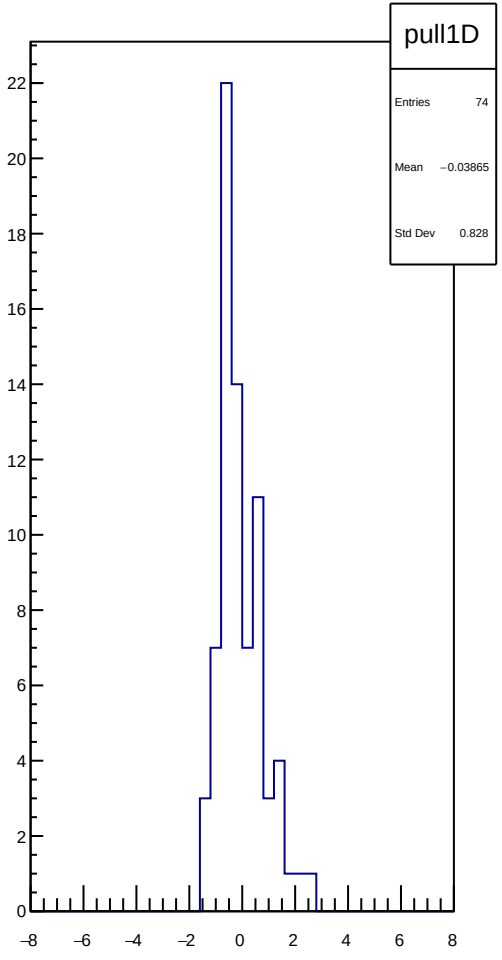

pull1D
Entries 74
Mean 0.08208
Std Dev 1.535

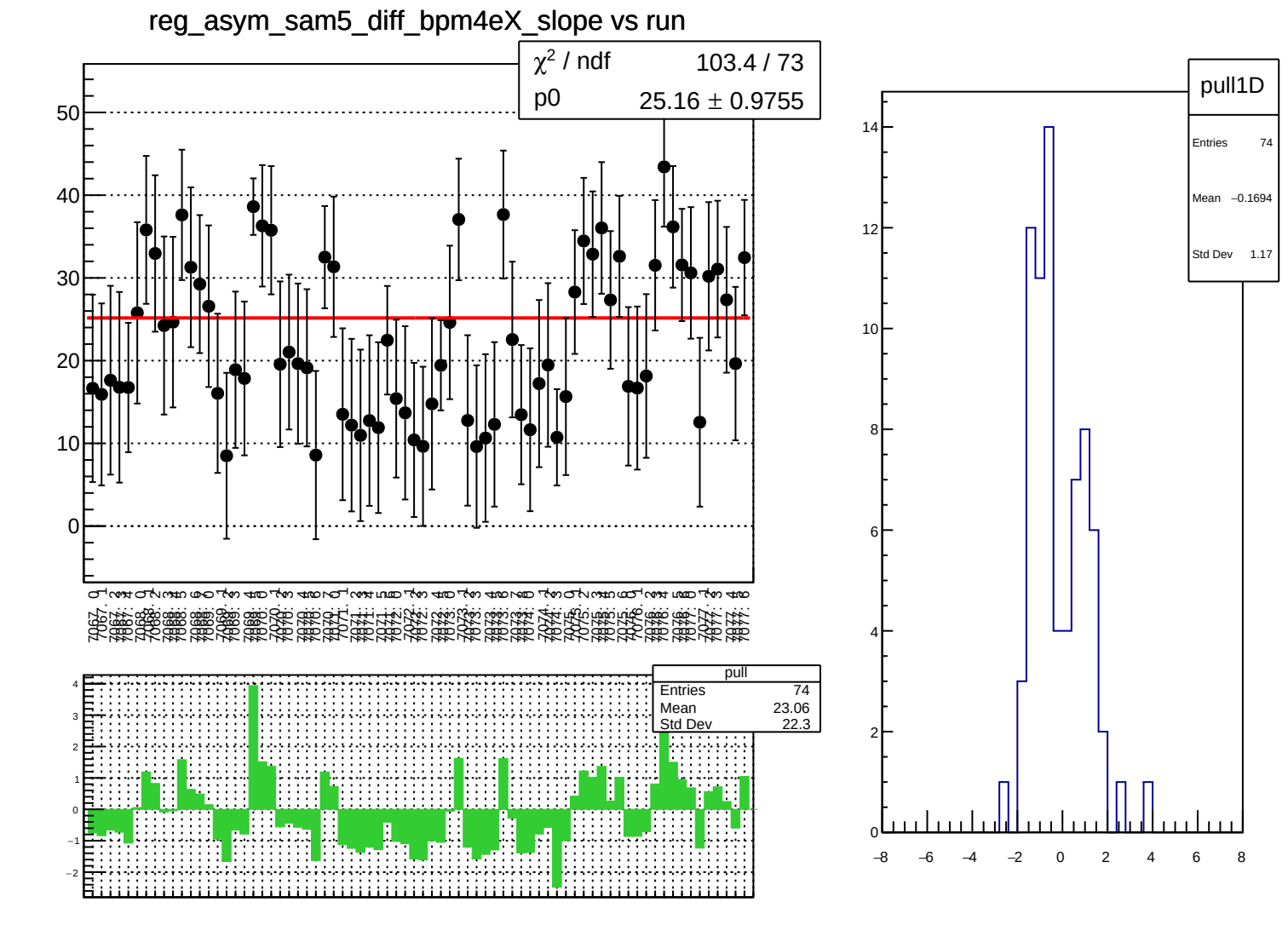

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 19.27 / 73
p0 −1.059 ± 0.0847
pull
Entries 74
Mean 255.5
Std Dev 239
pull1D
Entries 74
Mean 0.007532
Std Dev 0.5103

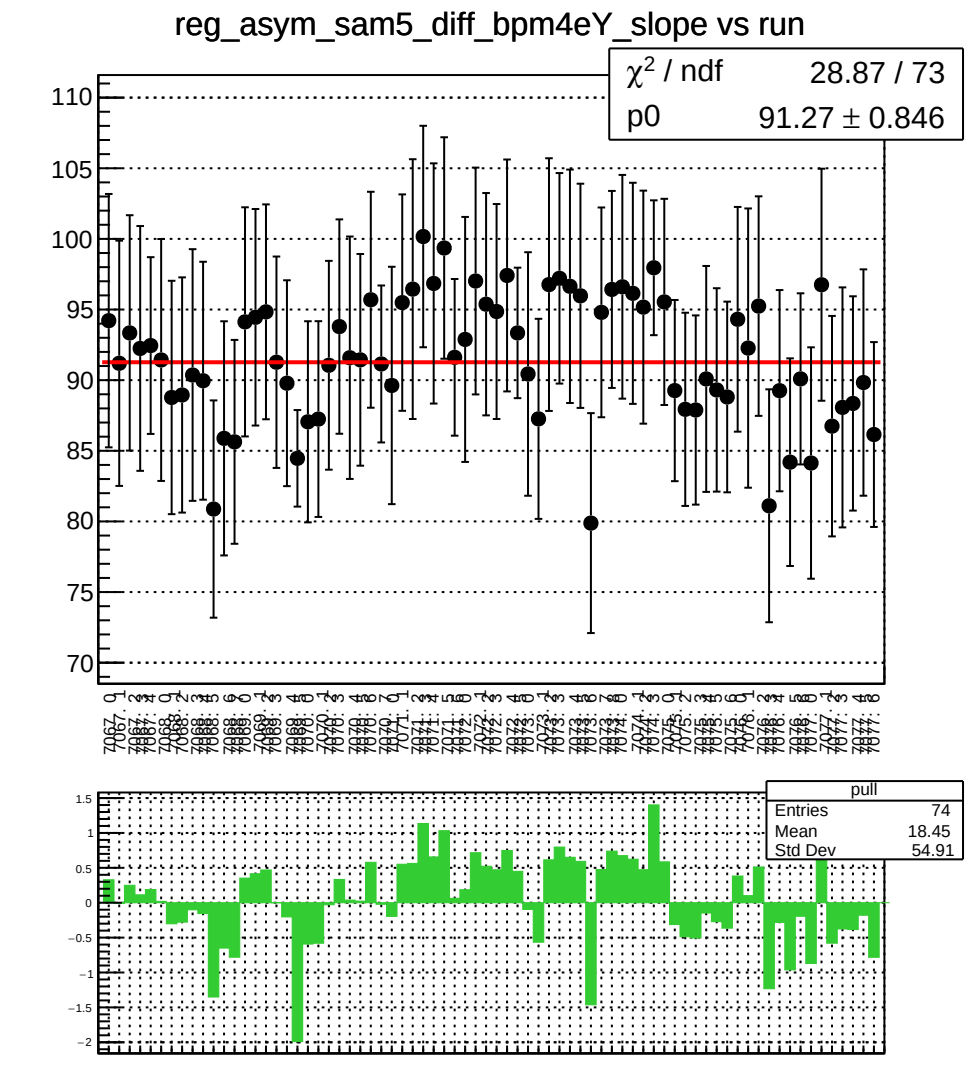

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 108.3 / 73
p0 −15.88 ± 1.013
pull
Entries 74
Mean 20.69
Std Dev 23.43

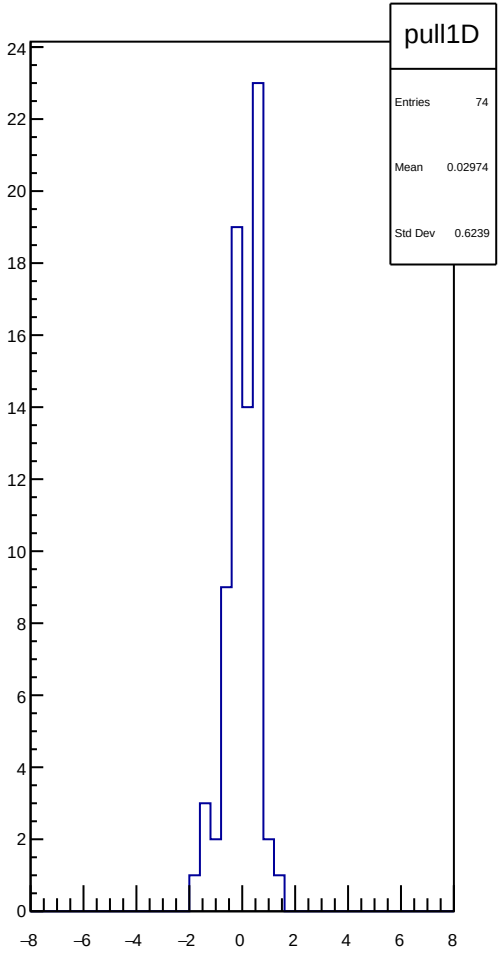

pull1D
Entries 74
Mean 0.1731
Std Dev 1.197

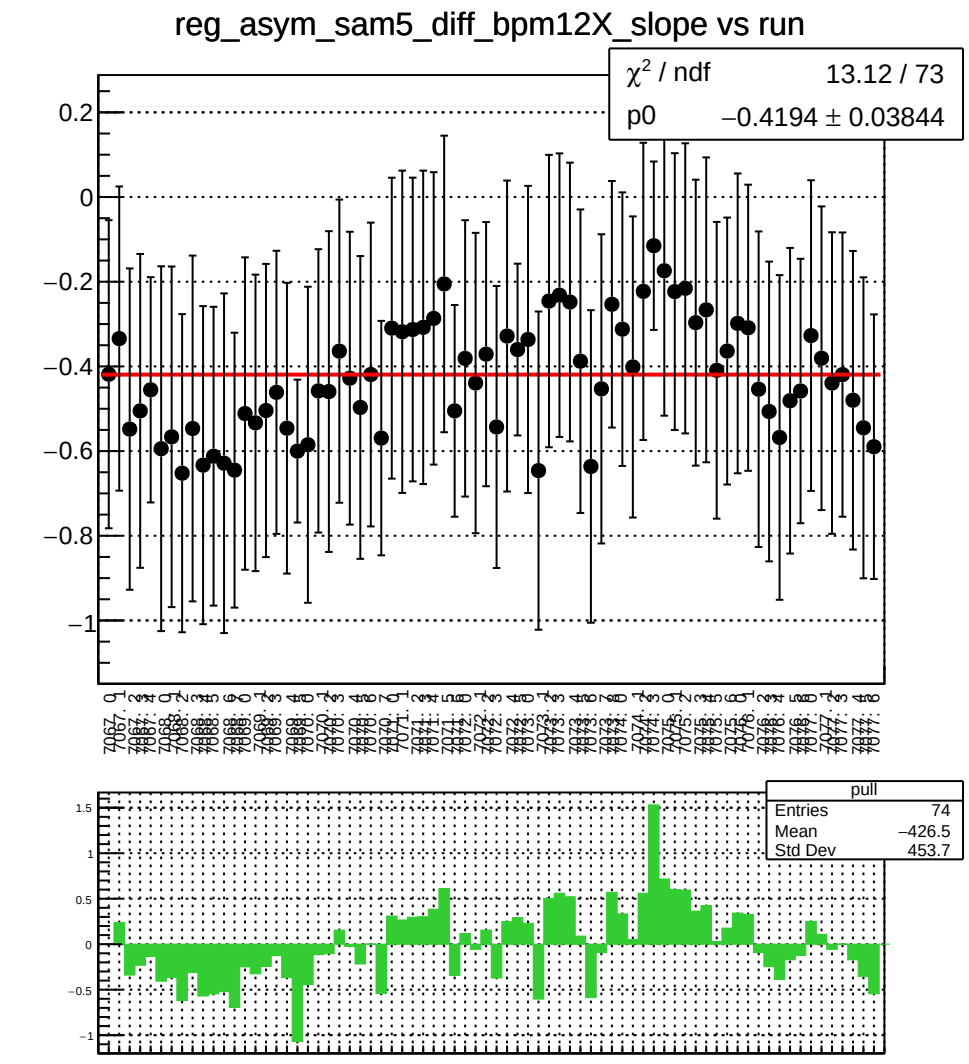

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 50.85 / 73
p0 52.97 ± 0.8139
pull
Entries 74
Mean −25.07
Std Dev 74.04

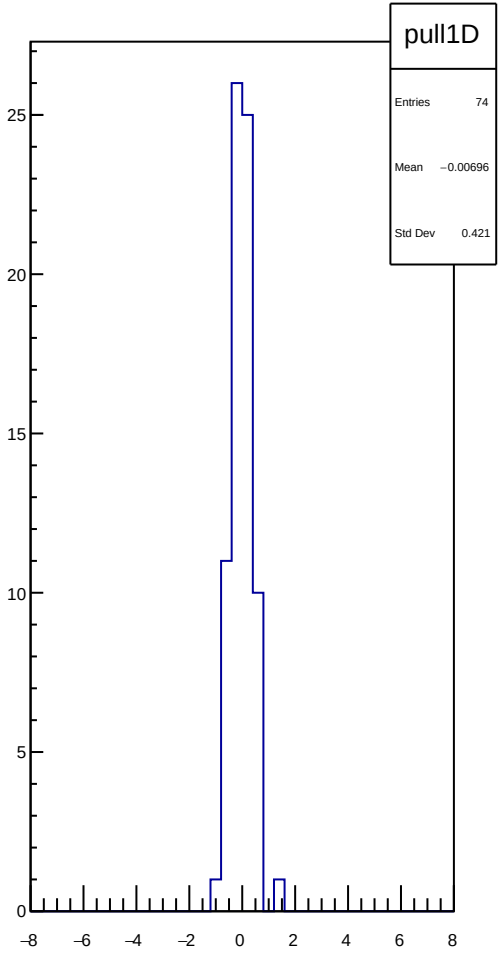

pull1D
Entries 74
Mean −0.03865
Std Dev 0.828

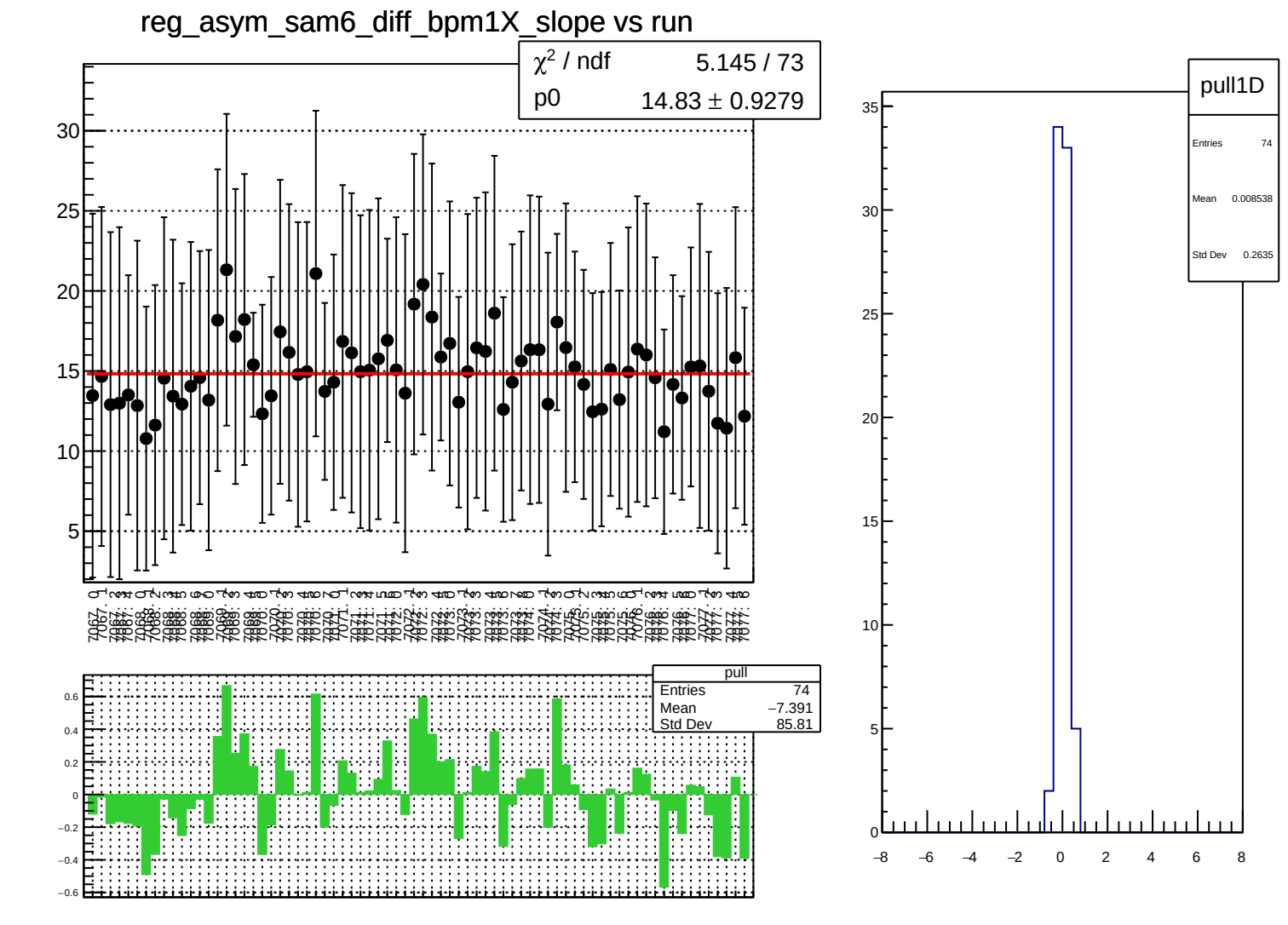

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 103.4 / 73
p0 25.16 ± 0.9755
pull
Entries 74
Mean 23.06
Std Dev 22.3
pull1D
Entries 74
Mean −0.1694
Std Dev 1.17

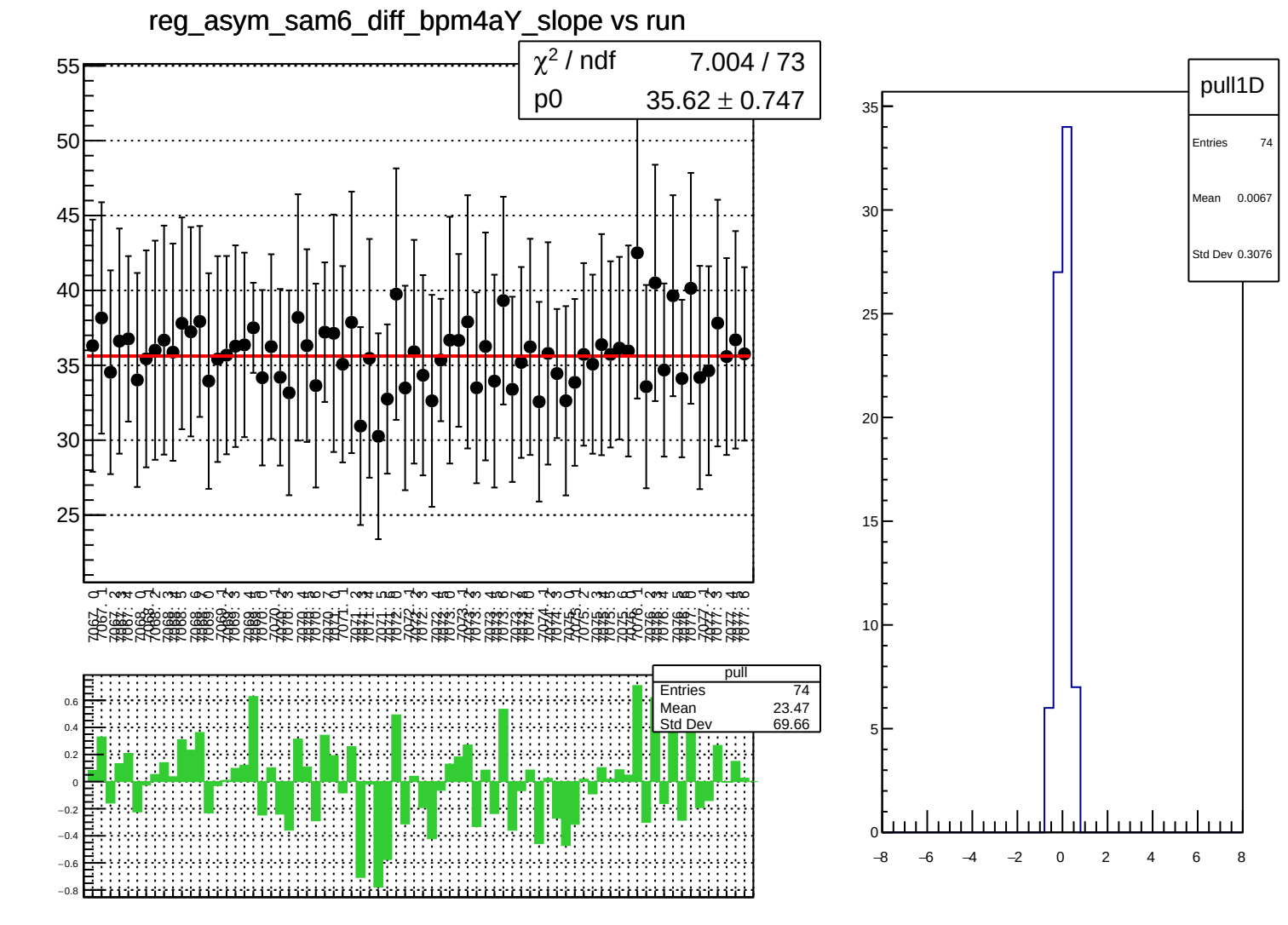

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 28.87 / 73
p0 91.27 ± 0.846
pull
Entries 74
Mean 18.45
Std Dev 54.91

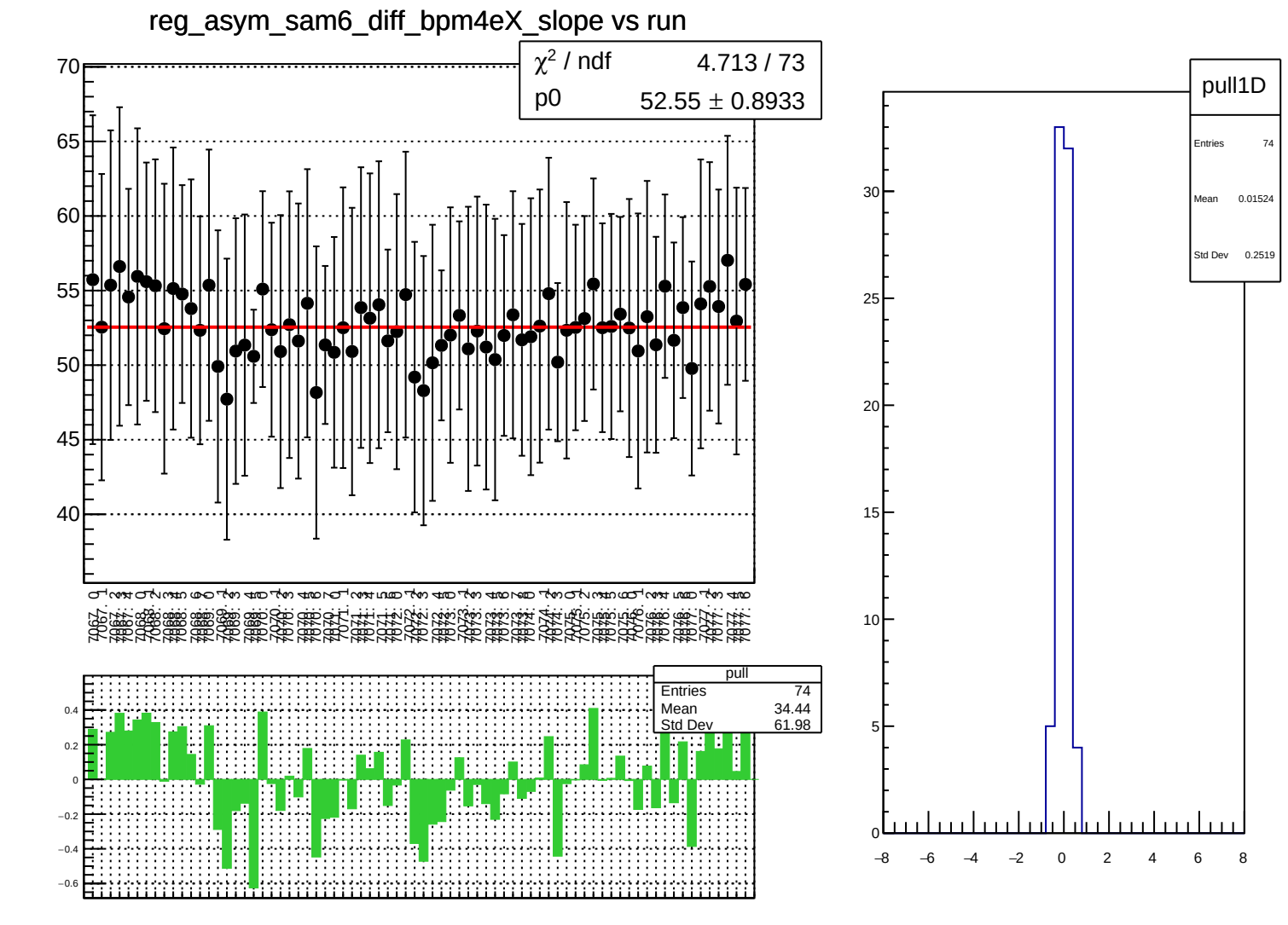

pull1D
Entries 74
Mean 0.02974
Std Dev 0.6239

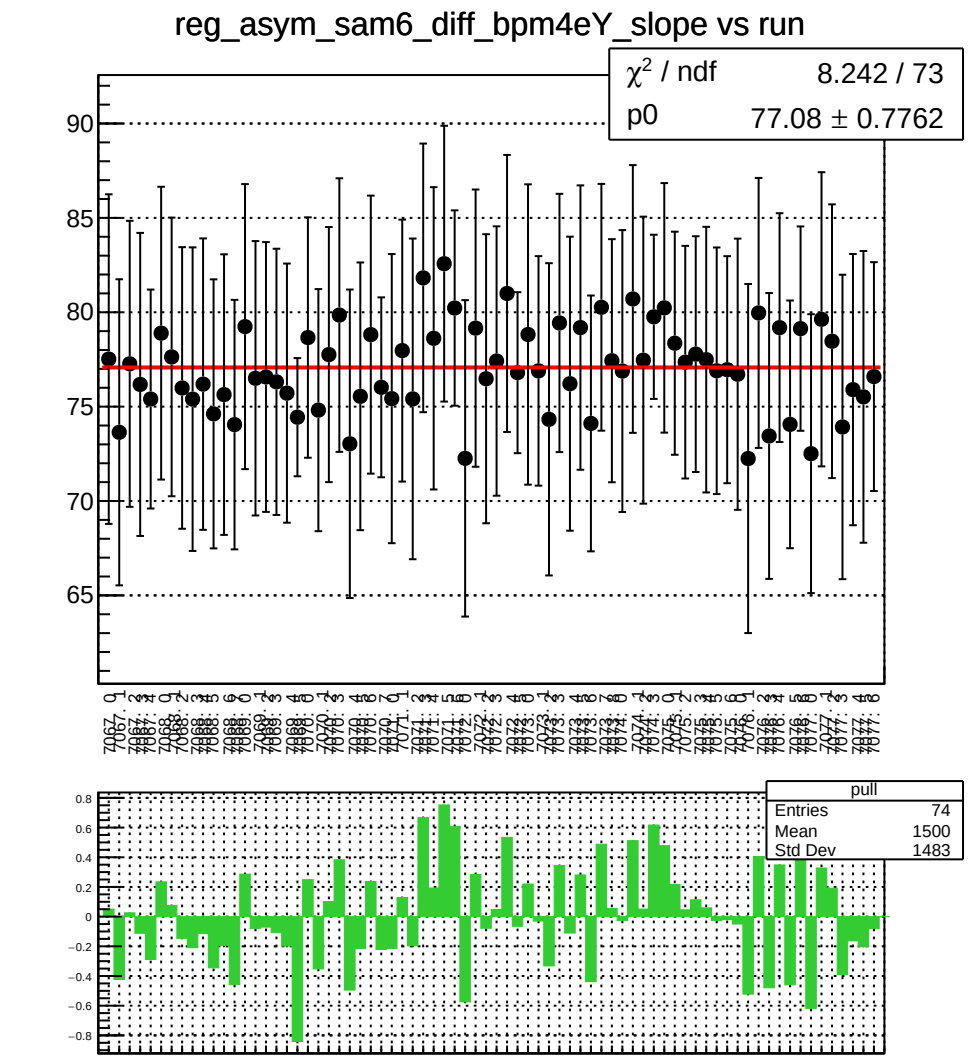

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 13.12 / 73
p0 −0.4194 ± 0.03844
pull
Entries 74
Mean −426.5
Std Dev 453.7

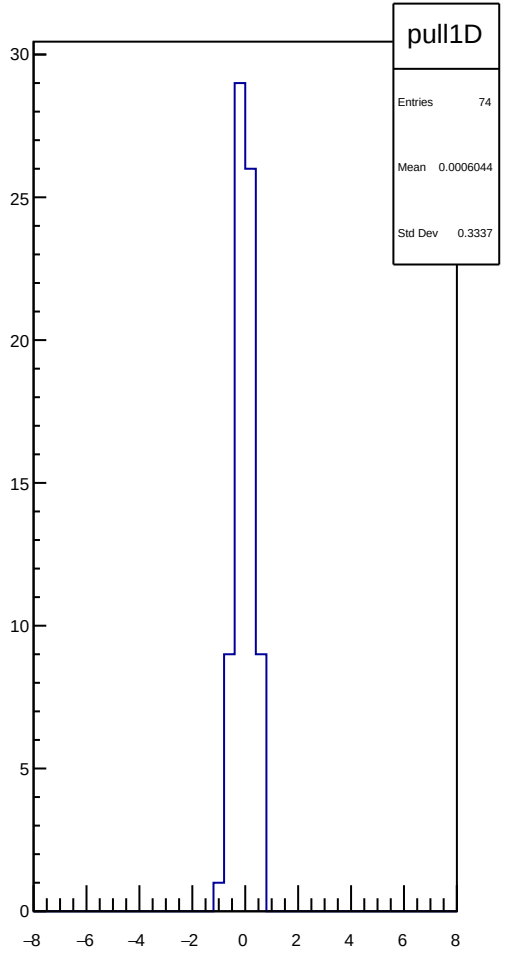

pull1D
Entries 74
Mean −0.00696
Std Dev 0.421

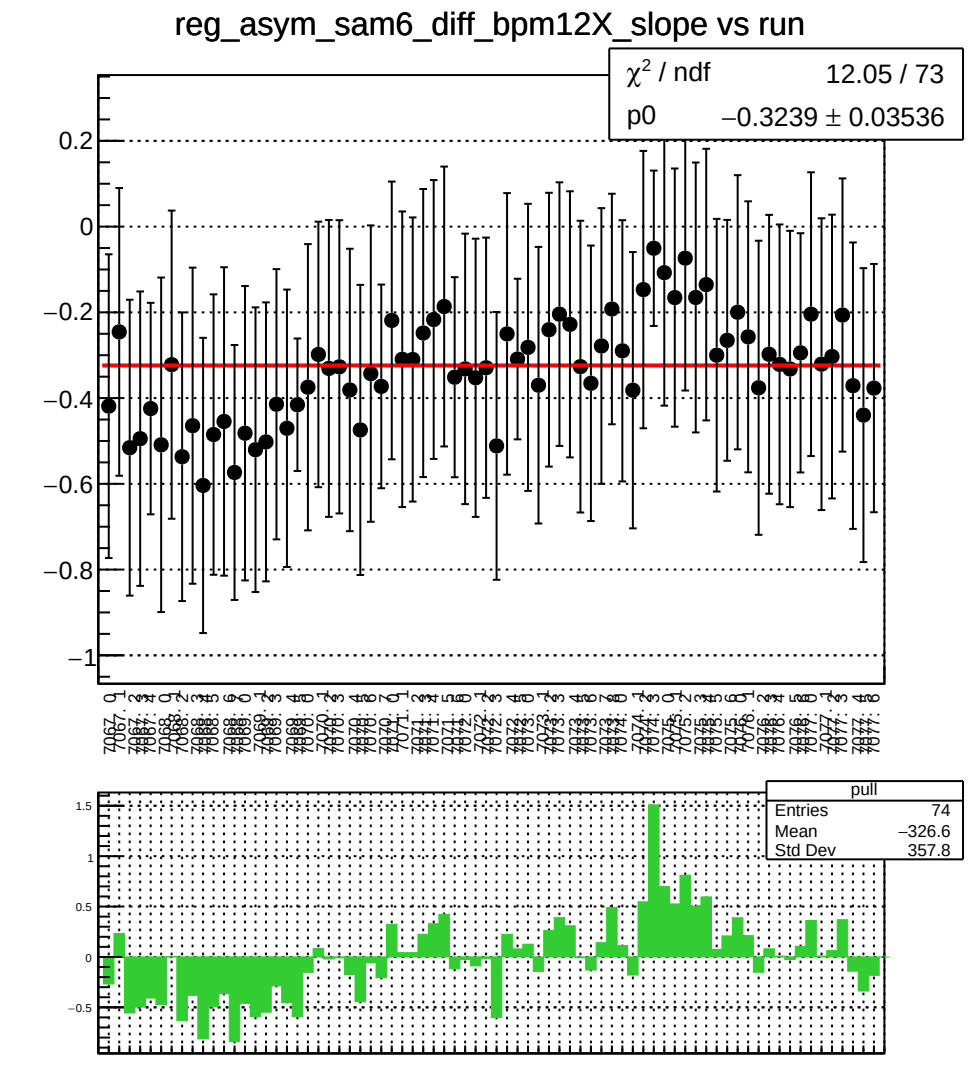

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 5.145 / 73
p0 14.83 ± 0.9279
pull
Entries 74
Mean −7.391
Std Dev 85.81
pull1D
Entries 74
Mean 0.008538
Std Dev 0.2635

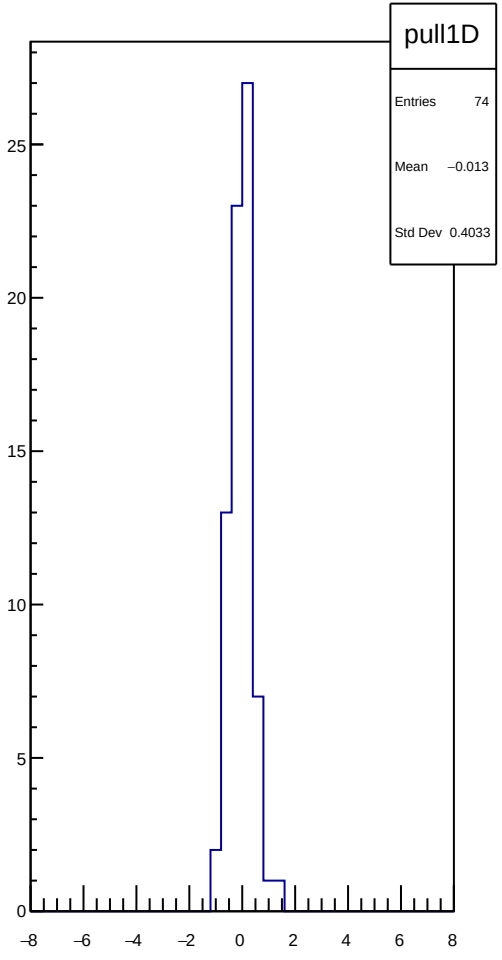

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 7.004 / 73
p0 35.62 ± 0.747
pull
Entries 74
Mean 23.47
Std Dev 69.66
pull1D
Entries 74
Mean 0.0067
Std Dev 0.3076

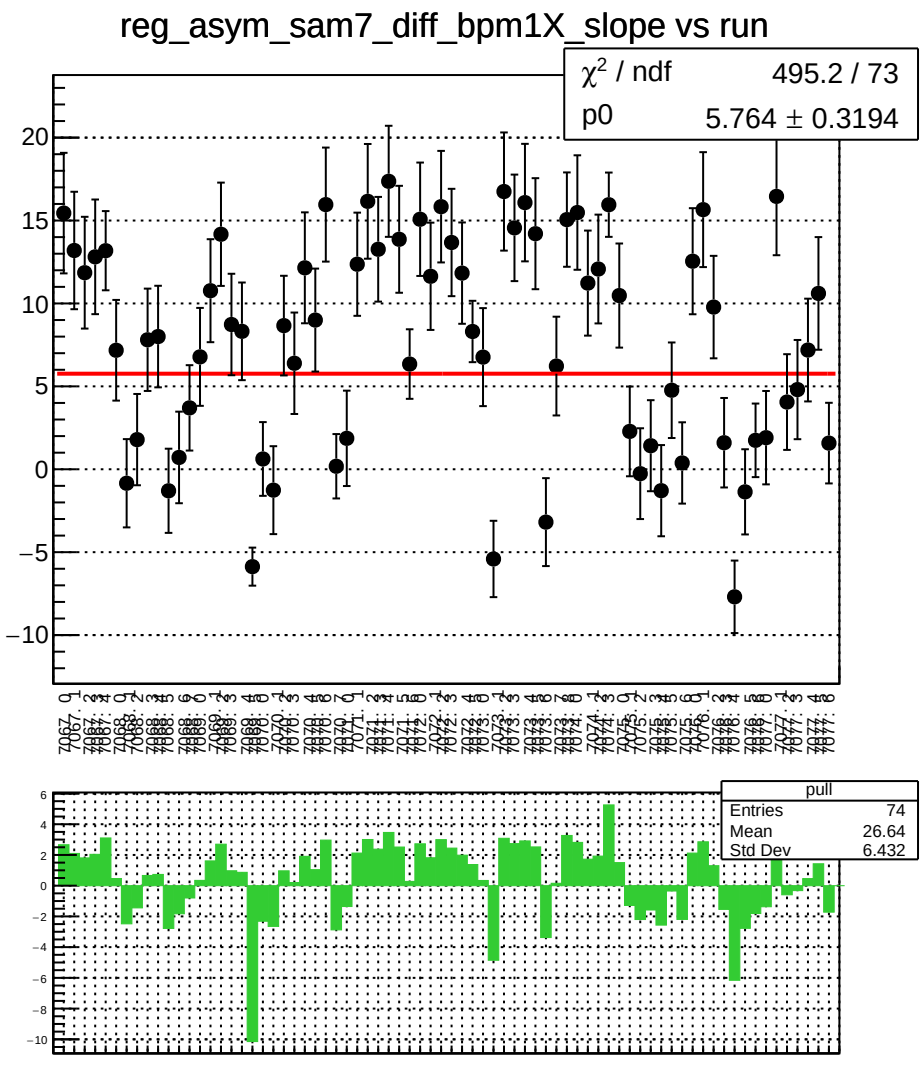

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.713 / 73
p0 52.55 ± 0.8933
pull
Entries 74
Mean 34.44
Std Dev 61.98
pull1D
Entries 74
Mean 0.01524
Std Dev 0.2519

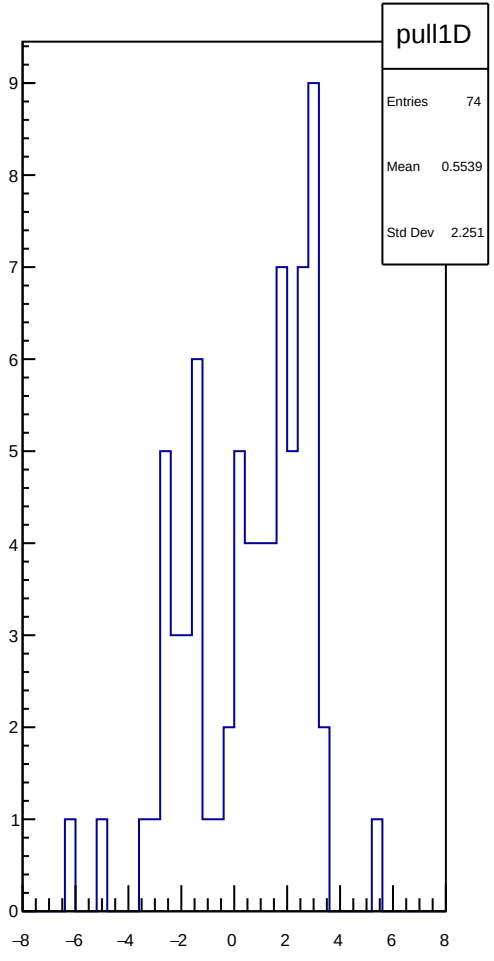

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 8.242 / 73
p0 77.08 ± 0.7762
90
85
80
75
70
65
pull
Entries 74
Mean 1500
Std Dev 1483
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

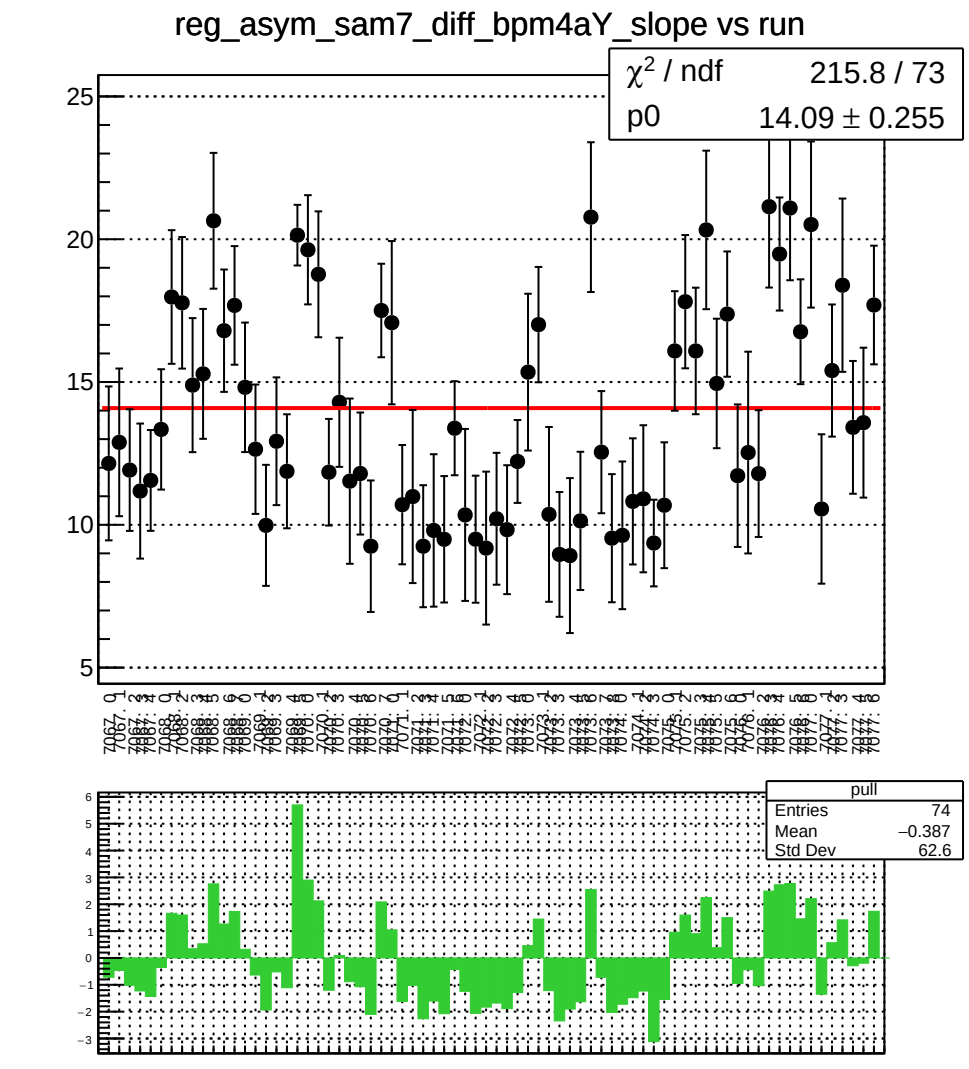

pull1D
Entries 74
Mean 0.0006044
Std Dev 0.3337
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

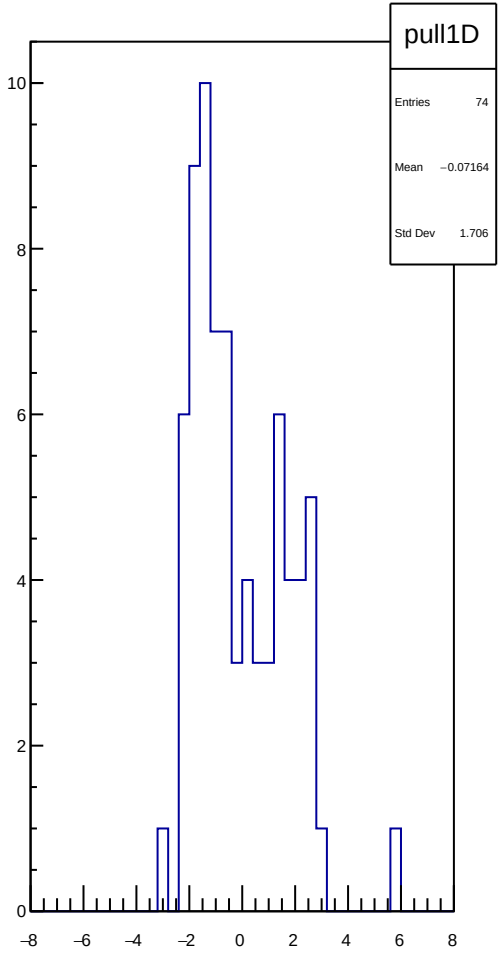

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 12.05 / 73
p0 −0.3239 ± 0.03536
pull
Entries 74
Mean −326.6
Std Dev 357.8

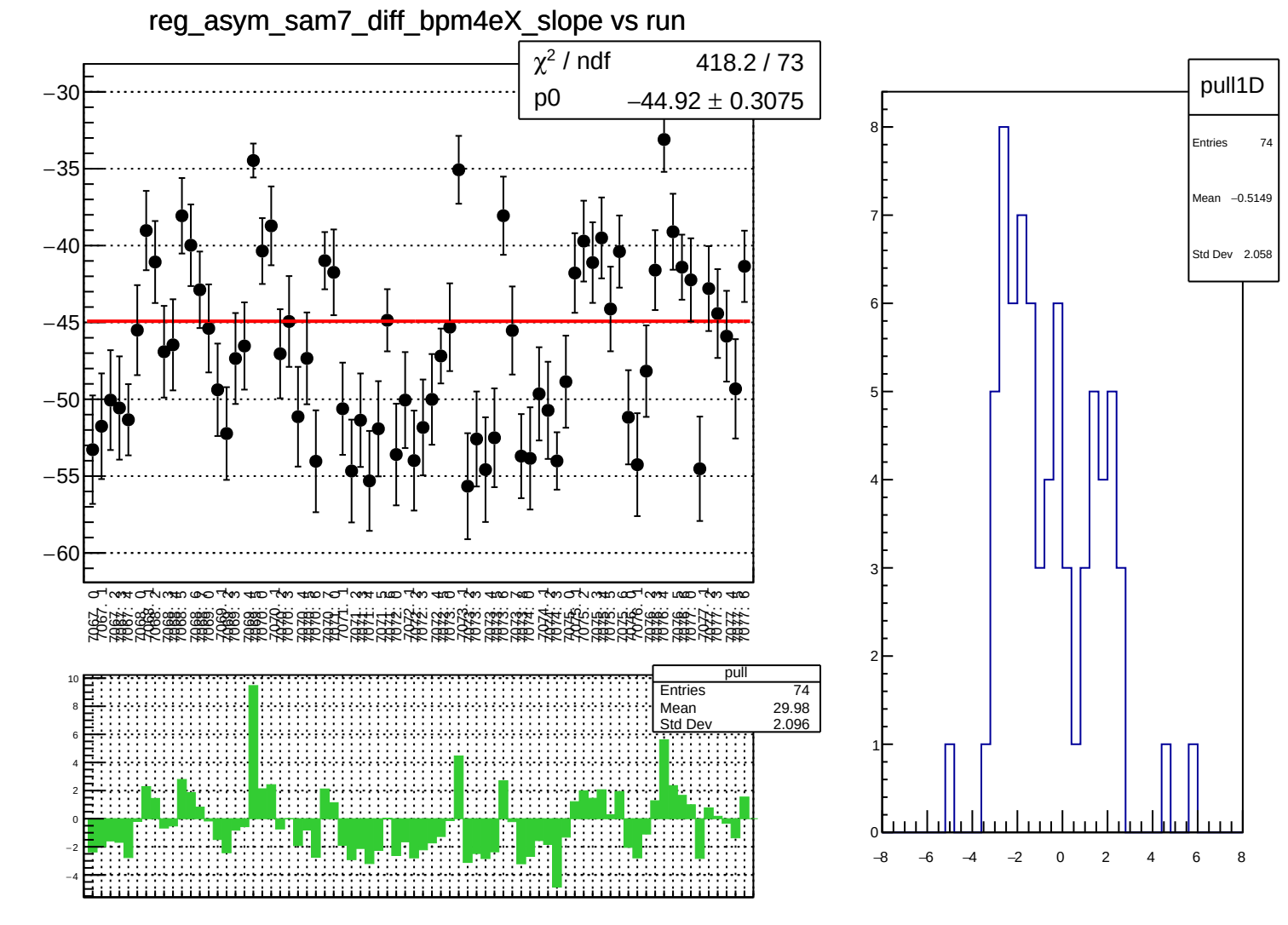

pull1D
Entries 74
Mean −0.013
Std Dev 0.4033

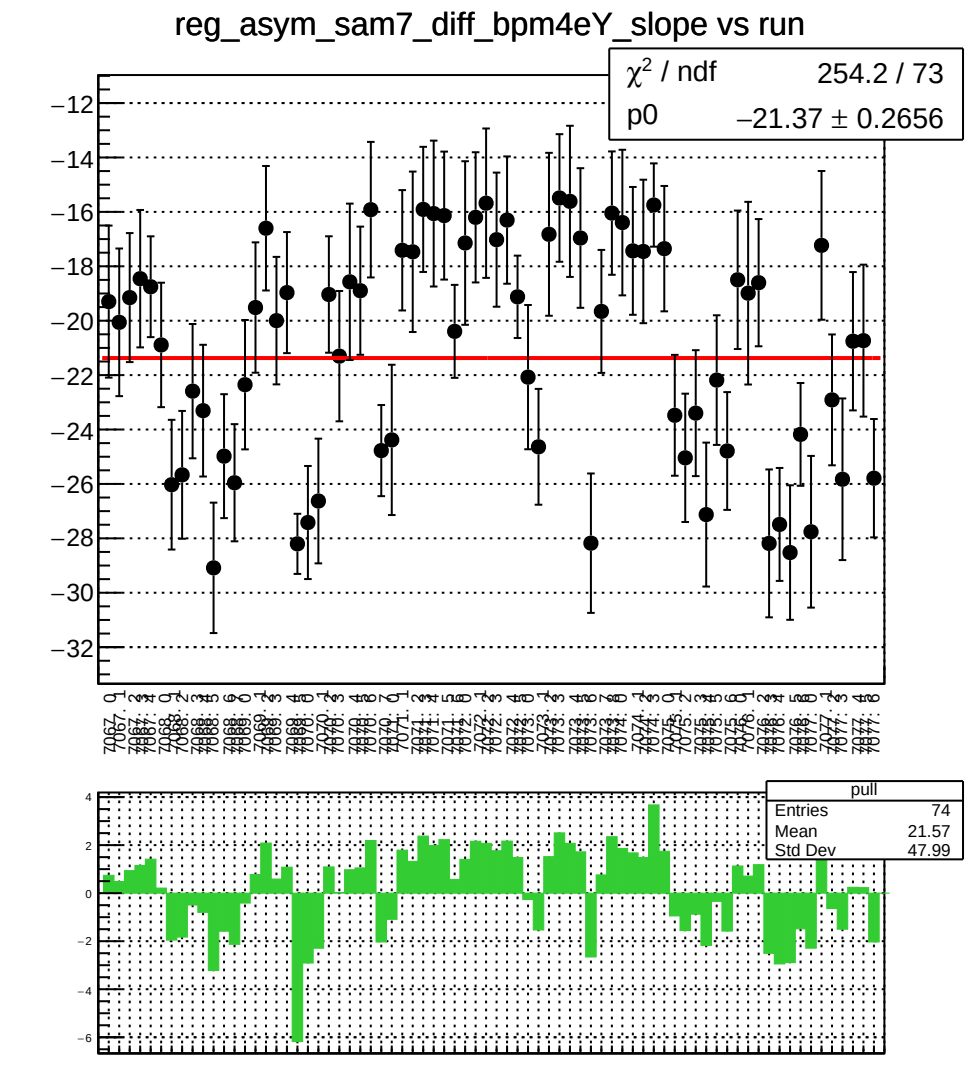

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 495.2 / 73
p0 5.764 ± 0.3194
pull
Entries 74
Mean 26.64
Std Dev 6.432

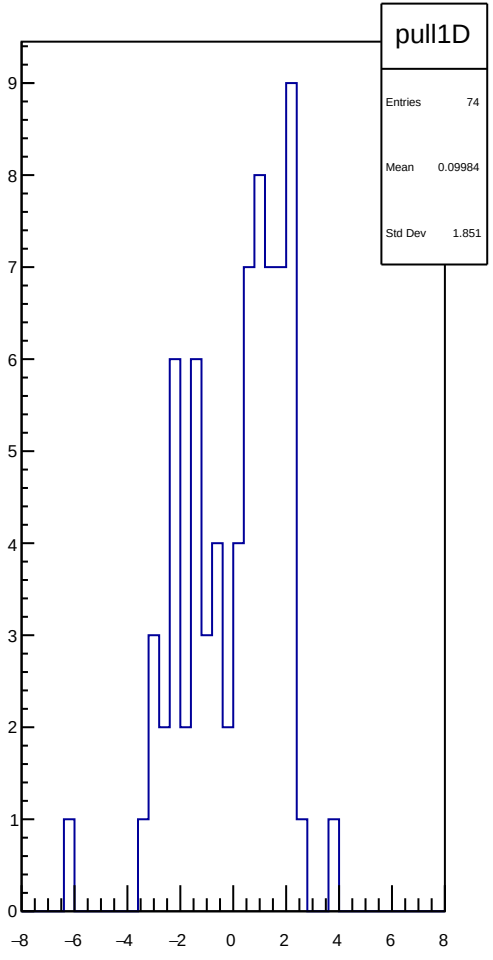

pull1D
Entries 74
Mean 0.5539
Std Dev 2.251

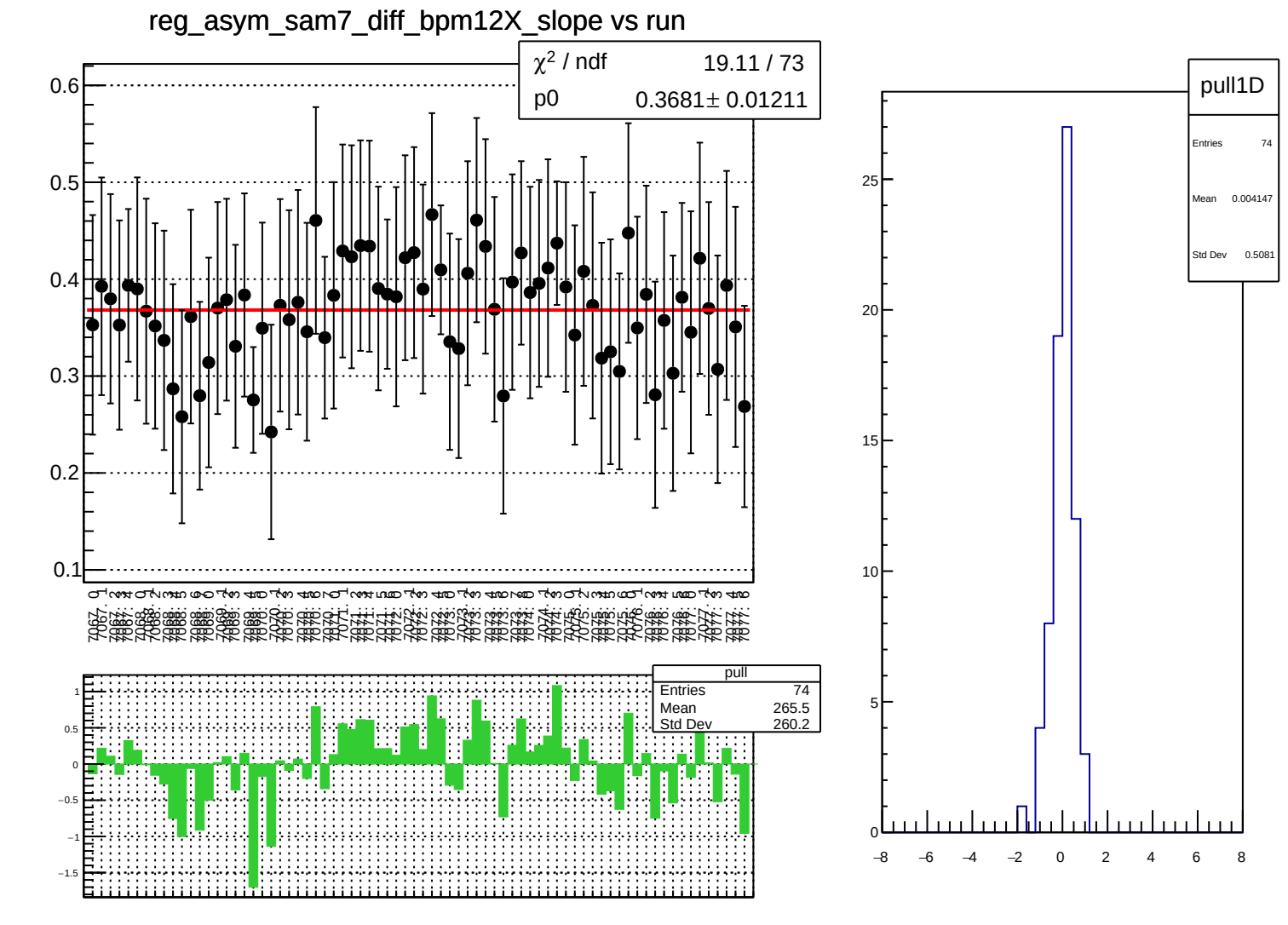

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 215.8 / 73
p0 14.09 ± 0.255
pull
Entries 74
Mean −0.387
Std Dev 62.6

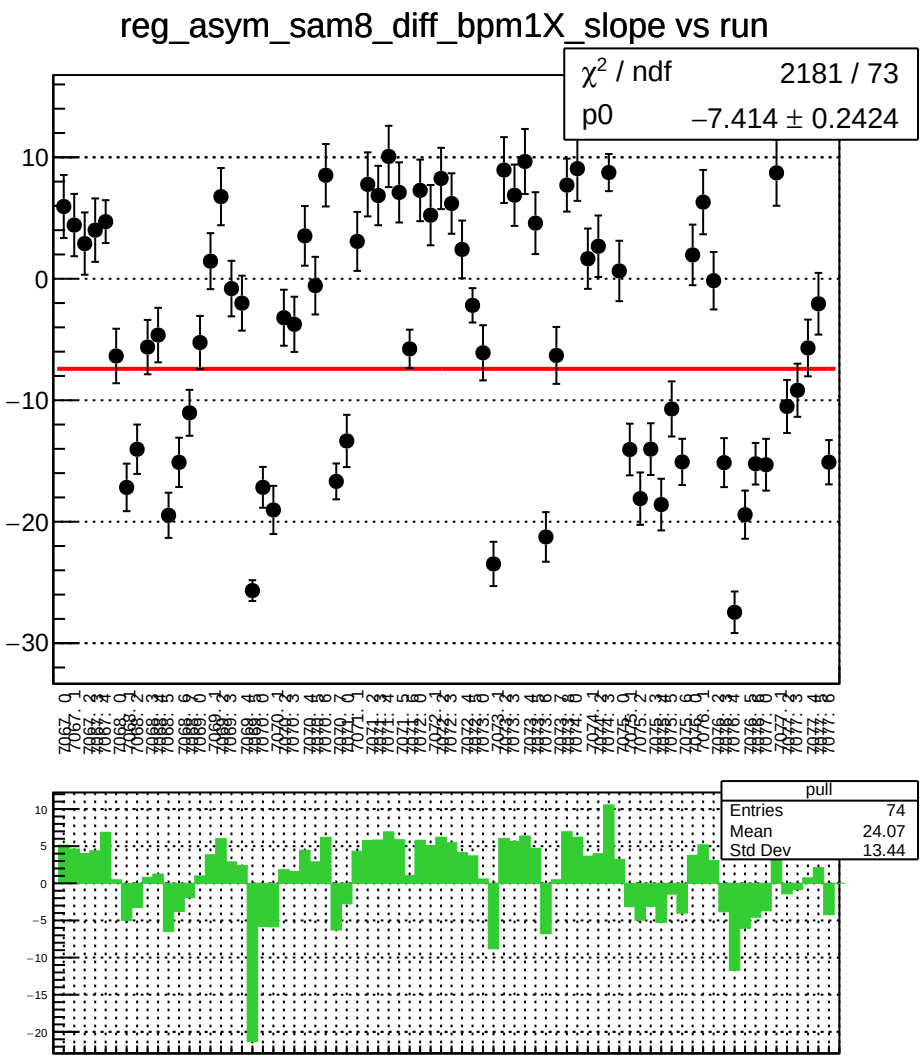

pull1D
Entries 74
Mean −0.07164
Std Dev 1.706

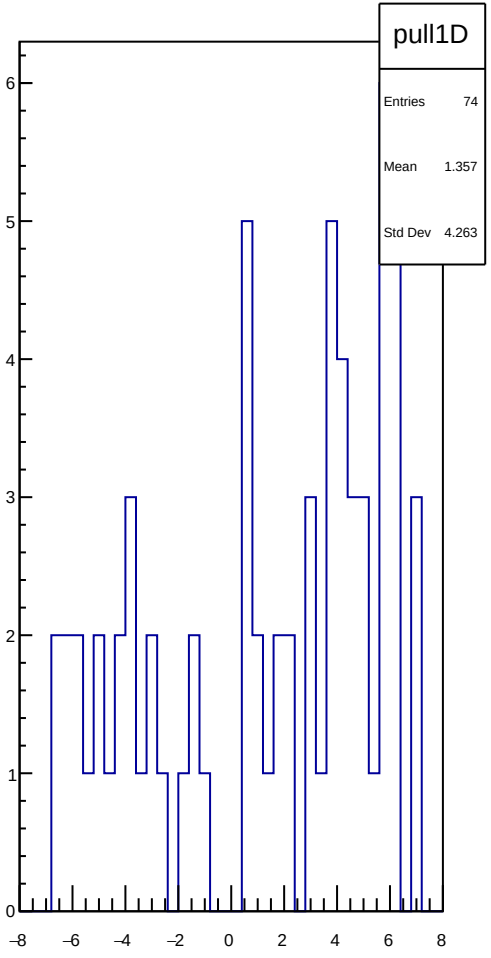

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 418.2 / 73
p0 −44.92 ± 0.3075
pull
Entries 74
Mean 29.98
Std Dev 2.096
pull1D
Entries 74
Mean −0.5149
Std Dev 2.058

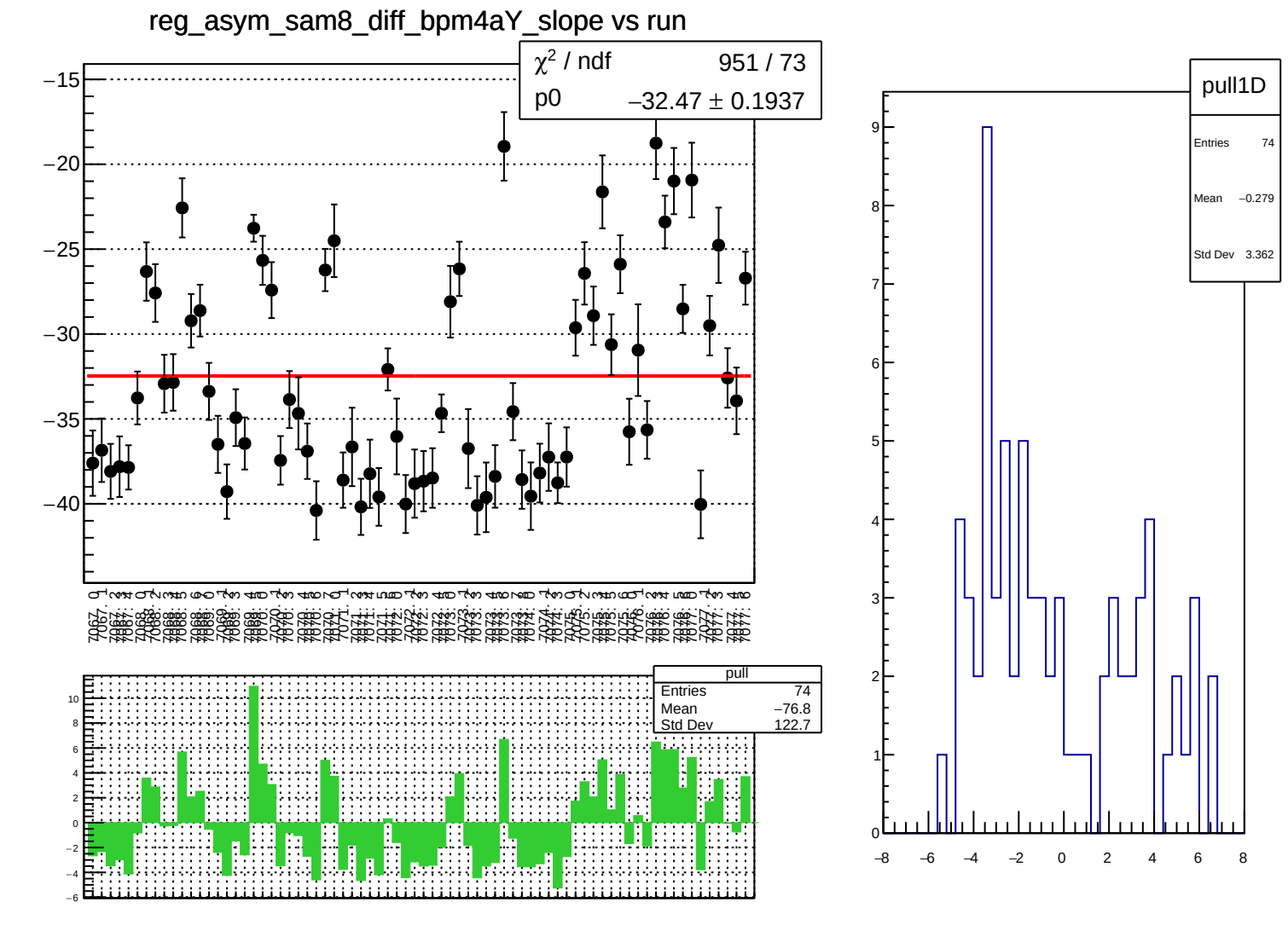

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 254.2 / 73
p0 −21.37 ± 0.2656
pull
Entries 74
Mean 21.57
Std Dev 47.99

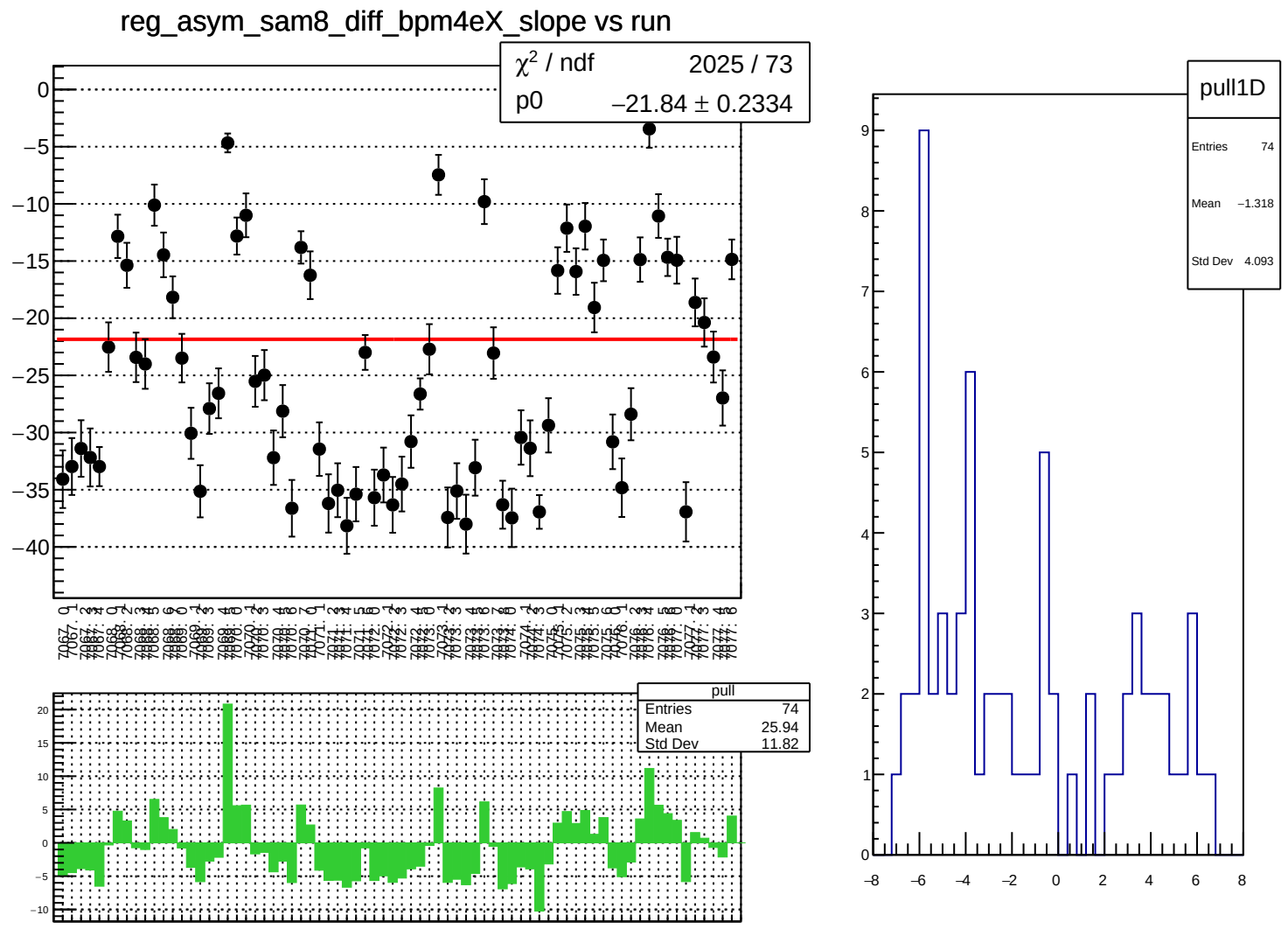

pull1D
Entries 74
Mean 0.09984
Std Dev 1.851

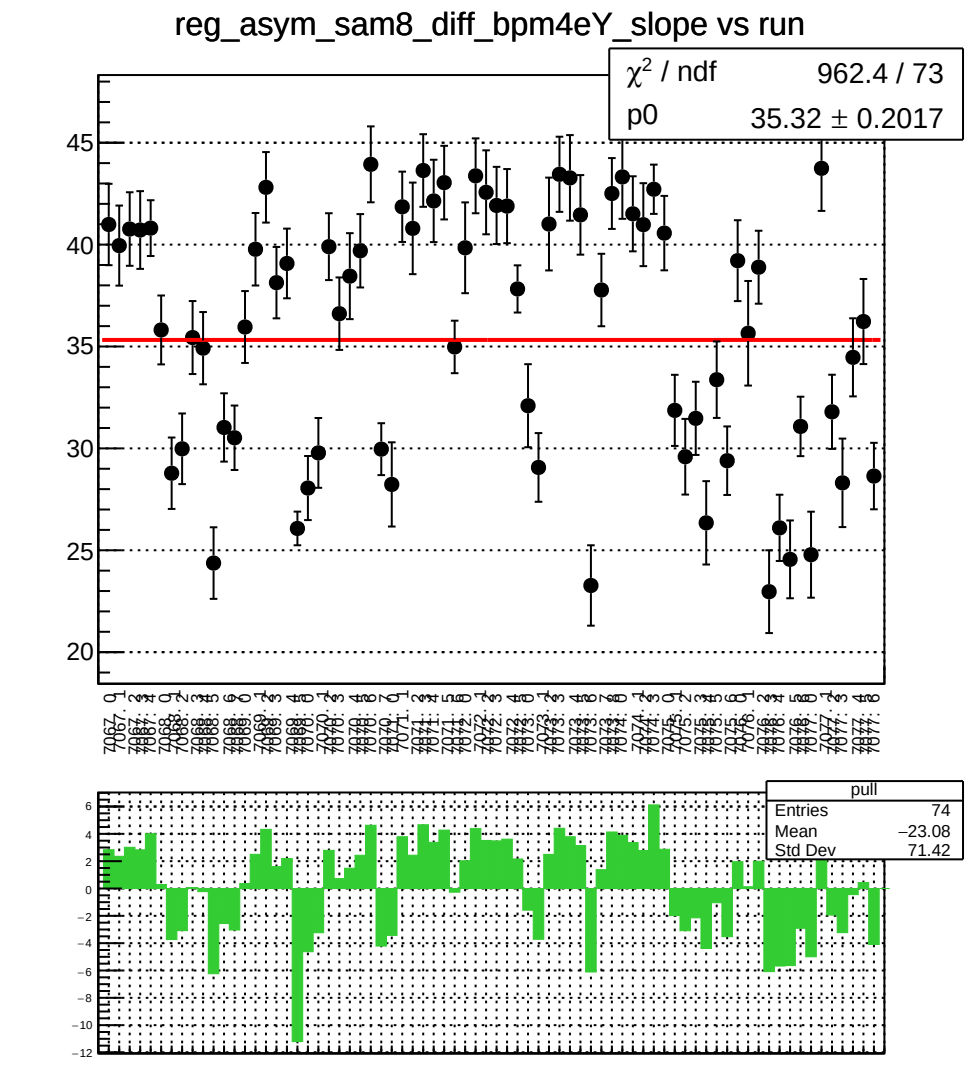

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 19.11 / 73
p0 0.3681± 0.01211
pull
Entries 74
Mean 265.5
Std Dev 260.2
pull1D
Entries 74
Mean 0.004147
Std Dev 0.5081

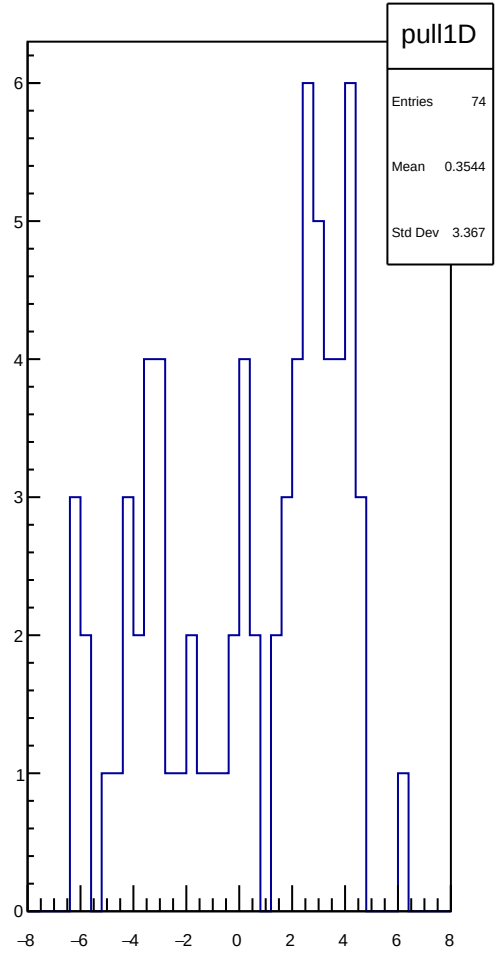

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 2181 / 73
p0 −7.414 ± 0.2424
pull
Entries 74
Mean 24.07
Std Dev 13.44

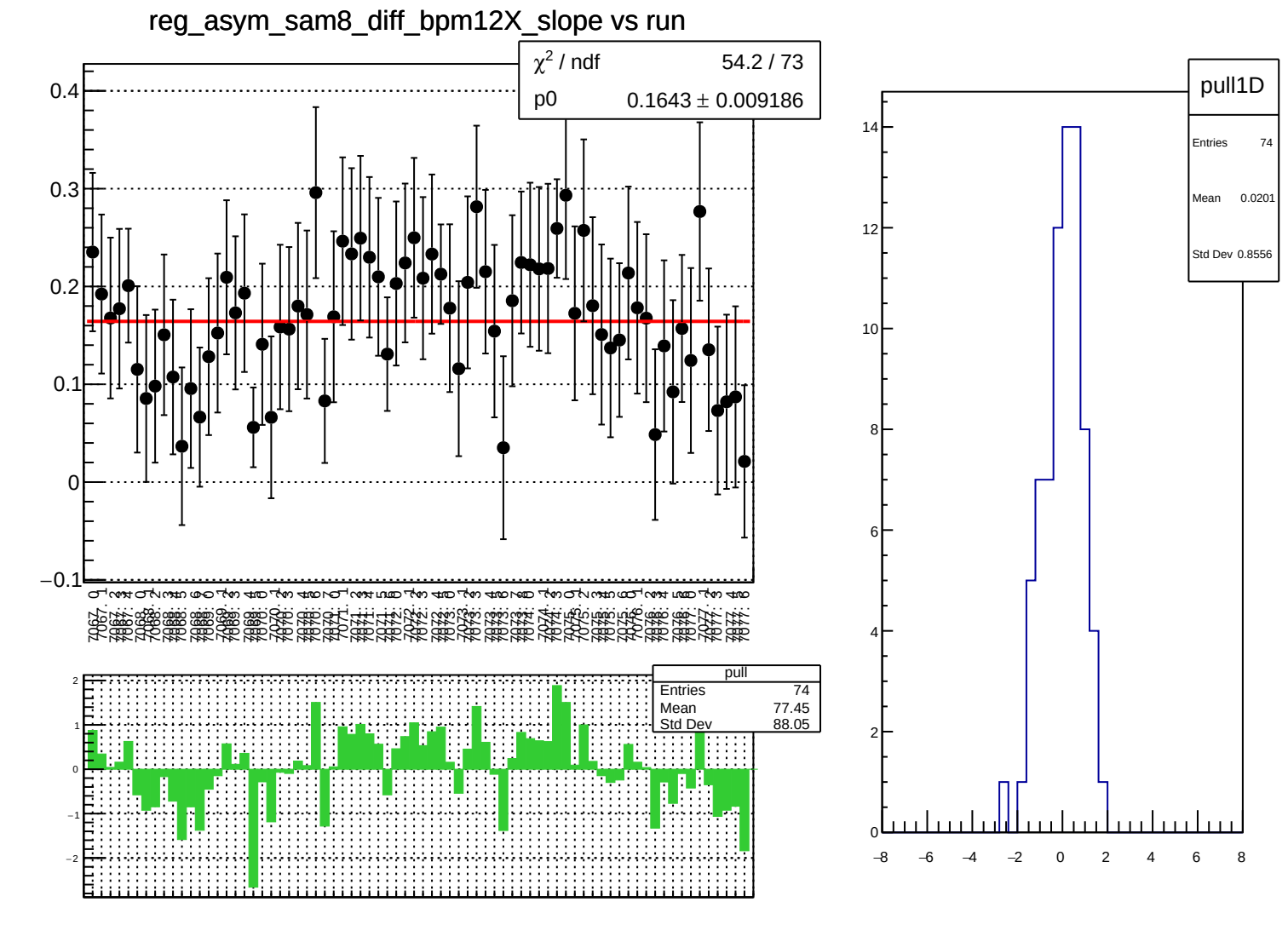

pull1D
Entries 74
Mean 1.357
Std Dev 4.263

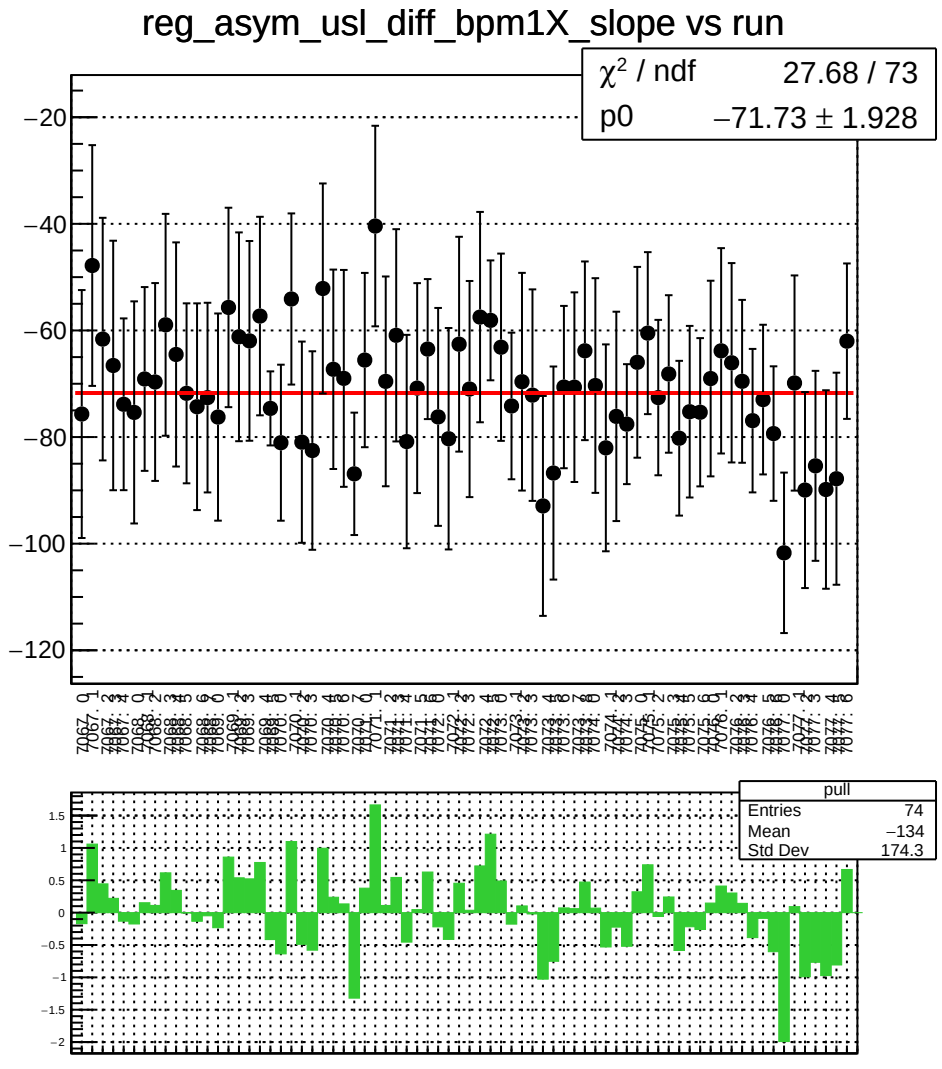

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 951 / 73
p0 −32.47 ± 0.1937
pull
Entries 74
Mean −76.8
Std Dev 122.7
pull1D
Entries 74
Mean −0.279
Std Dev 3.362

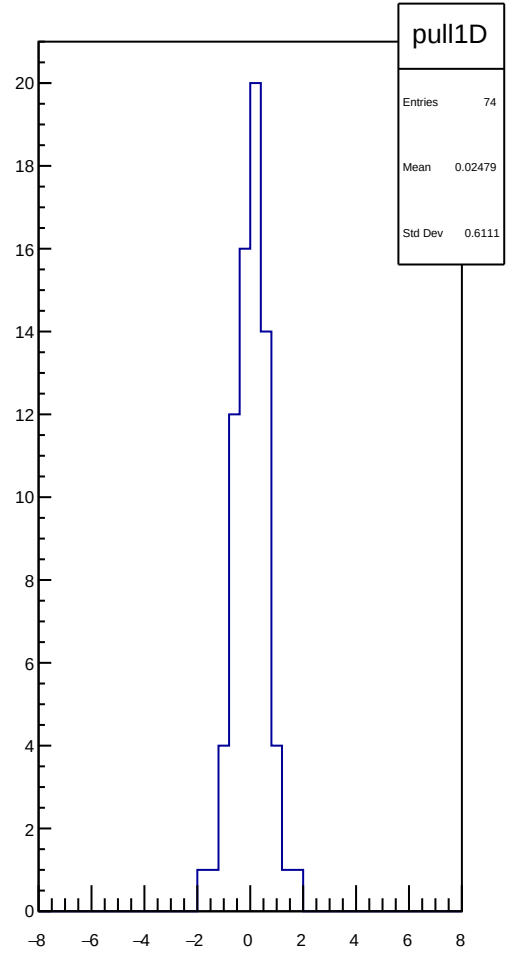

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2025 / 73
p0 −21.84 ± 0.2334
pull
Entries 74
Mean 25.94
Std Dev 11.82
pull1D
Entries 74
Mean −1.318
Std Dev 4.093

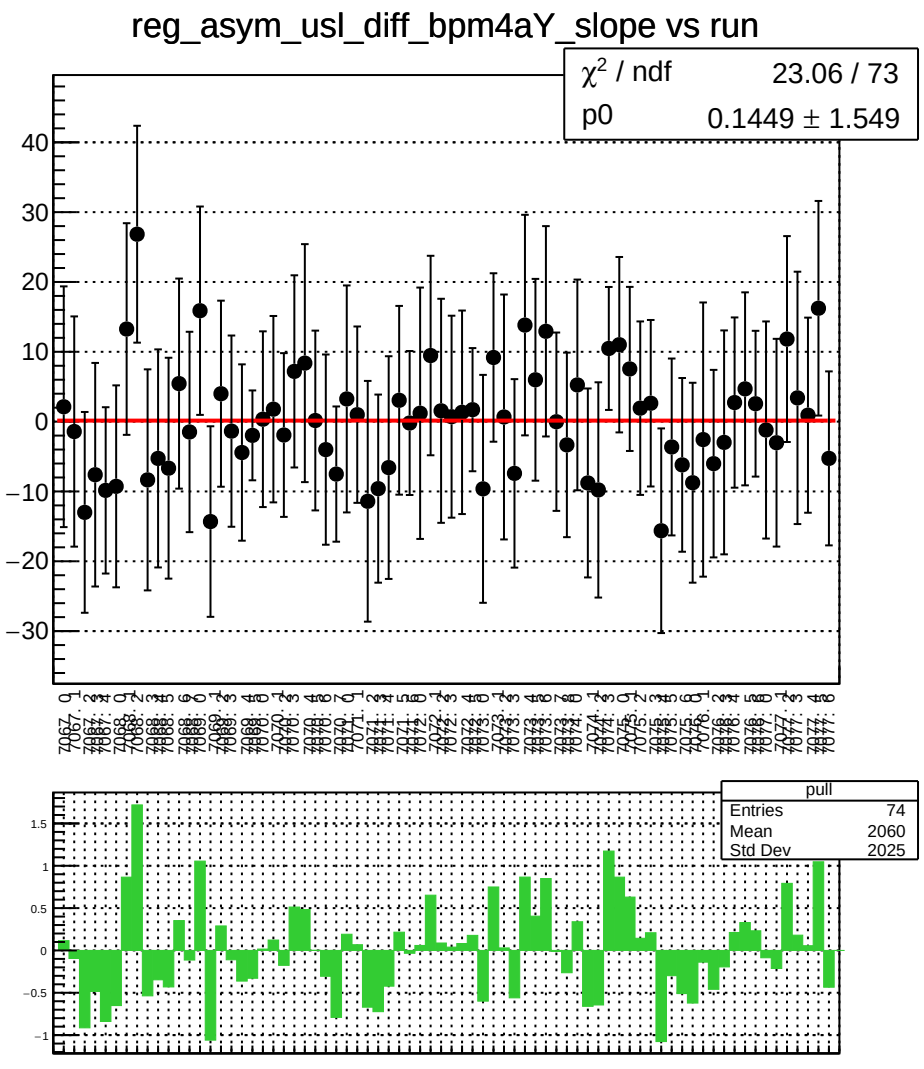

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 962.4 / 73
p0 35.32 ± 0.2017
pull
Entries 74
Mean −23.08
Std Dev 71.42

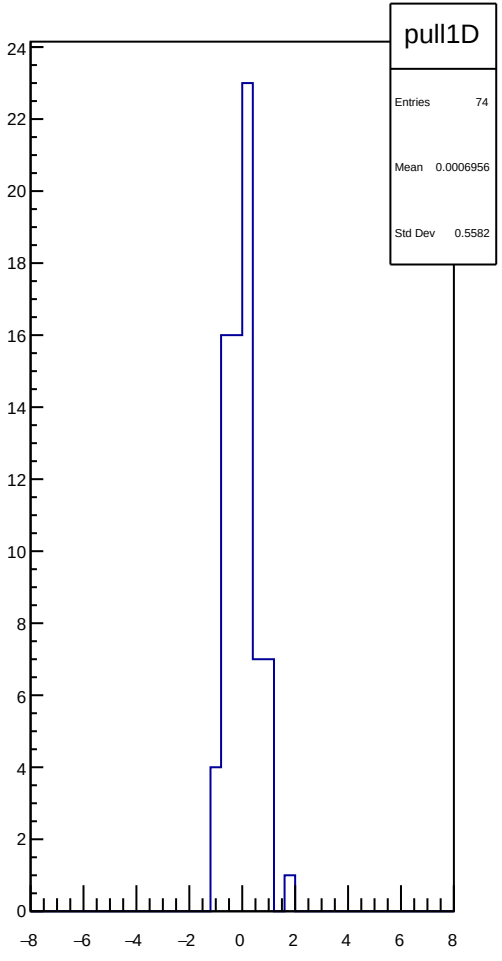

pull1D
Entries 74
Mean 0.3544
Std Dev 3.367

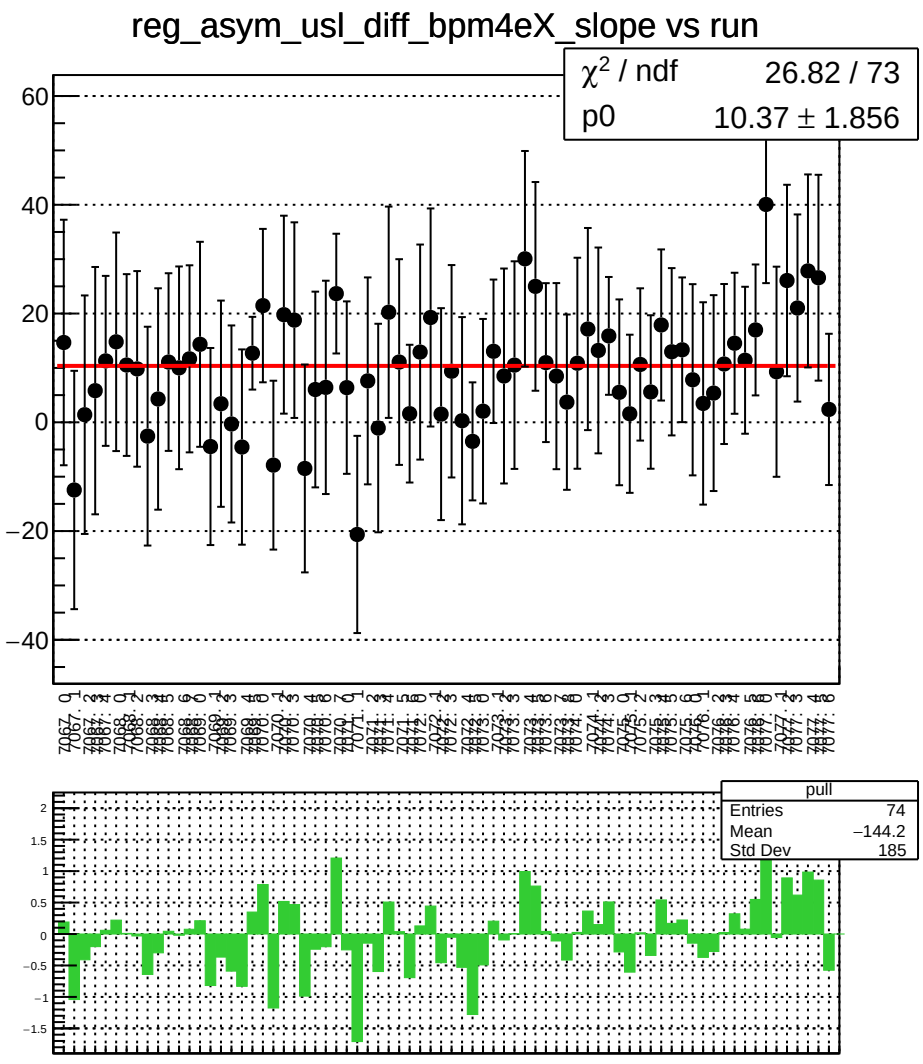

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 54.2 / 73
p0 0.1643 ± 0.009186
pull
Entries 74
Mean 77.45
Std Dev 88.05
pull1D
Entries 74
Mean 0.0201
Std Dev 0.8556

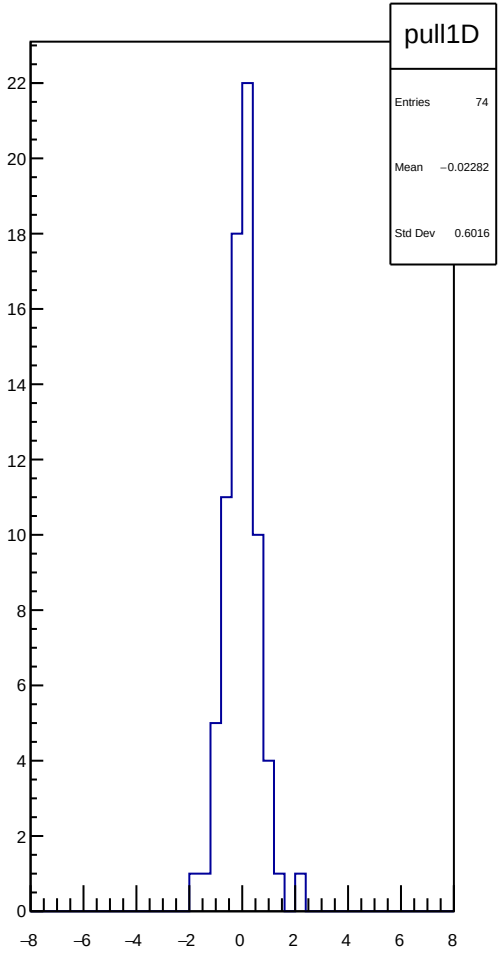

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 27.68 / 73
p0 −71.73 ± 1.928
pull
Entries 74
Mean −134
Std Dev 174.3

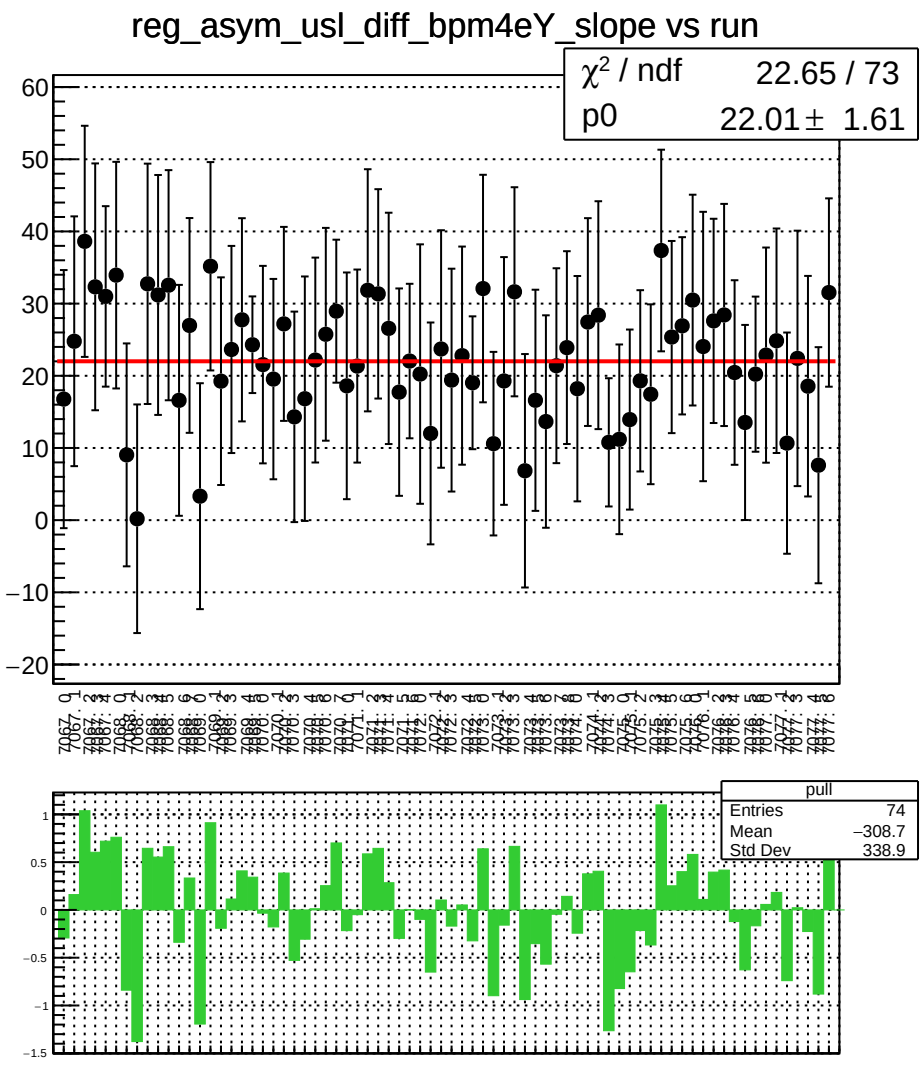

pull1D
Entries 74
Mean 0.02479
Std Dev 0.6111

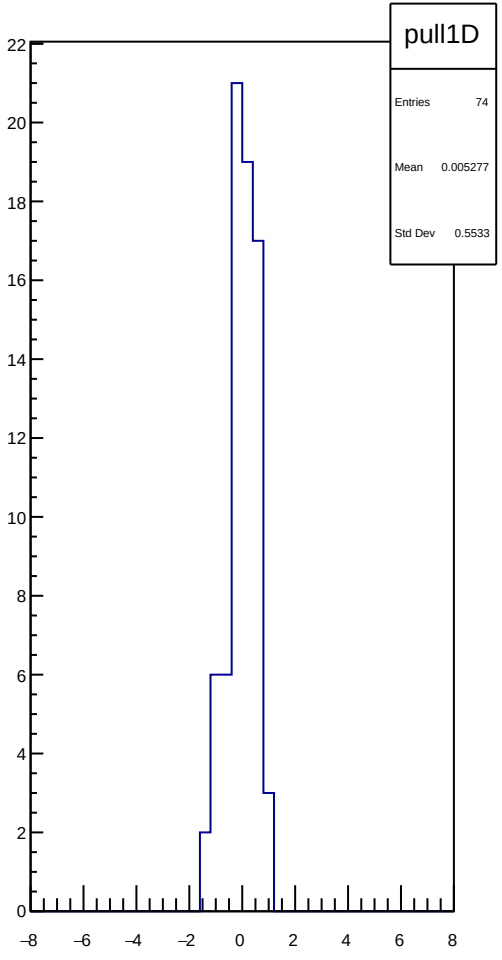

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 23.06 / 73
p0 0.1449 ± 1.549
pull
Entries 74
Mean 2060
Std Dev 2025

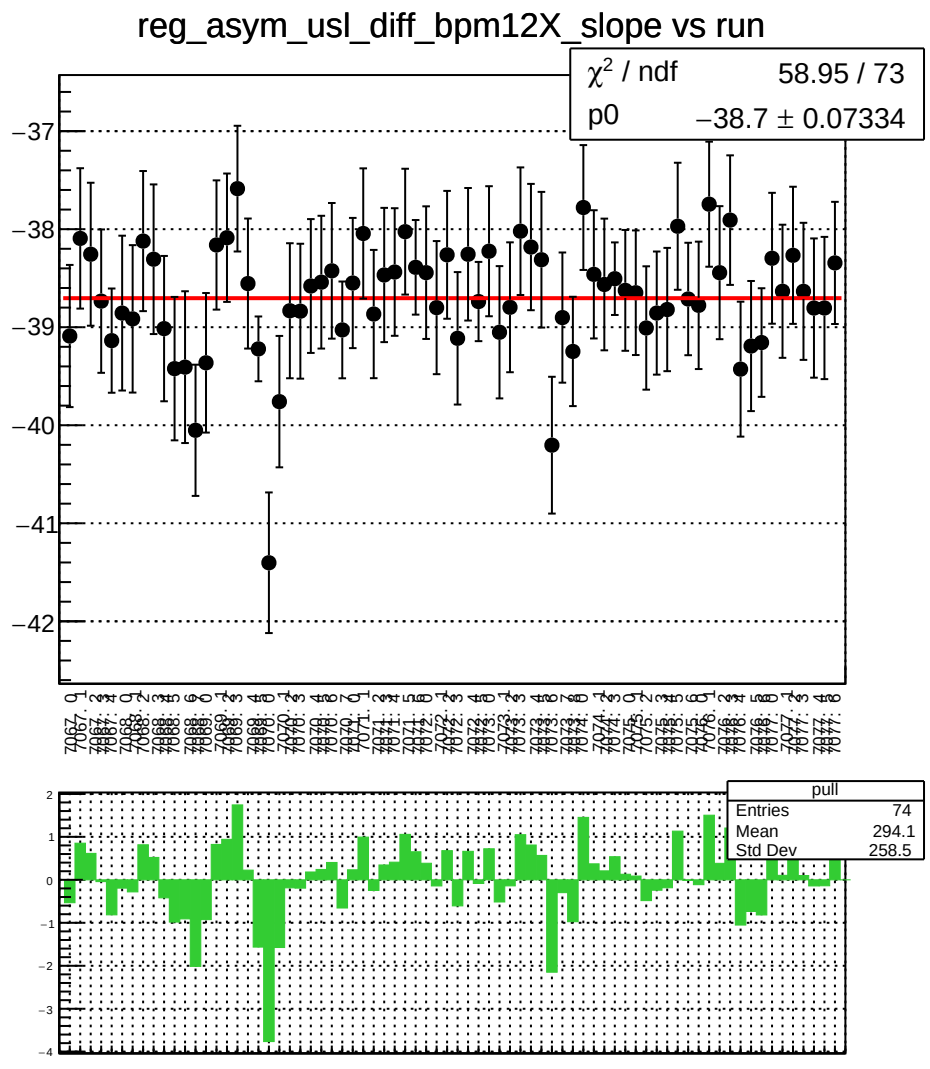

pull1D
Entries 74
Mean 0.0006956
Std Dev 0.5582

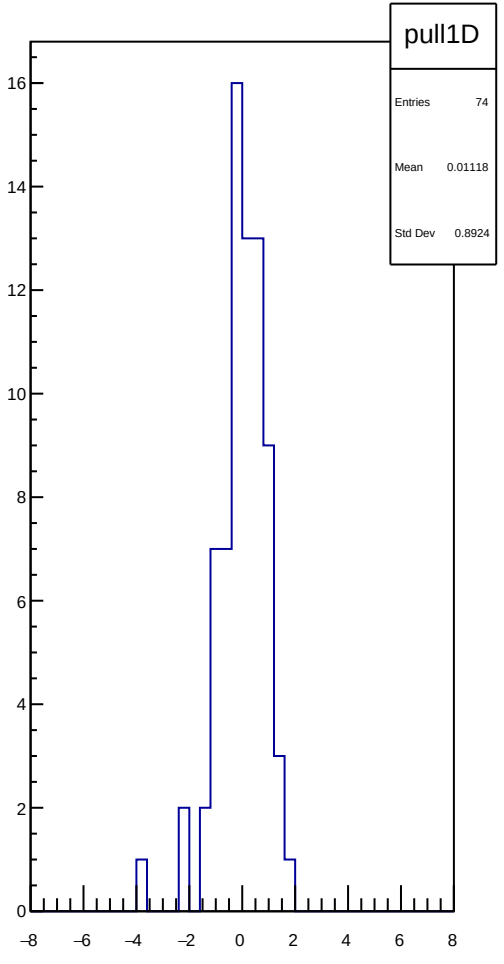

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 26.82 / 73
p0 10.37 ± 1.856
pull
Entries 74
Mean −144.2
Std Dev 185

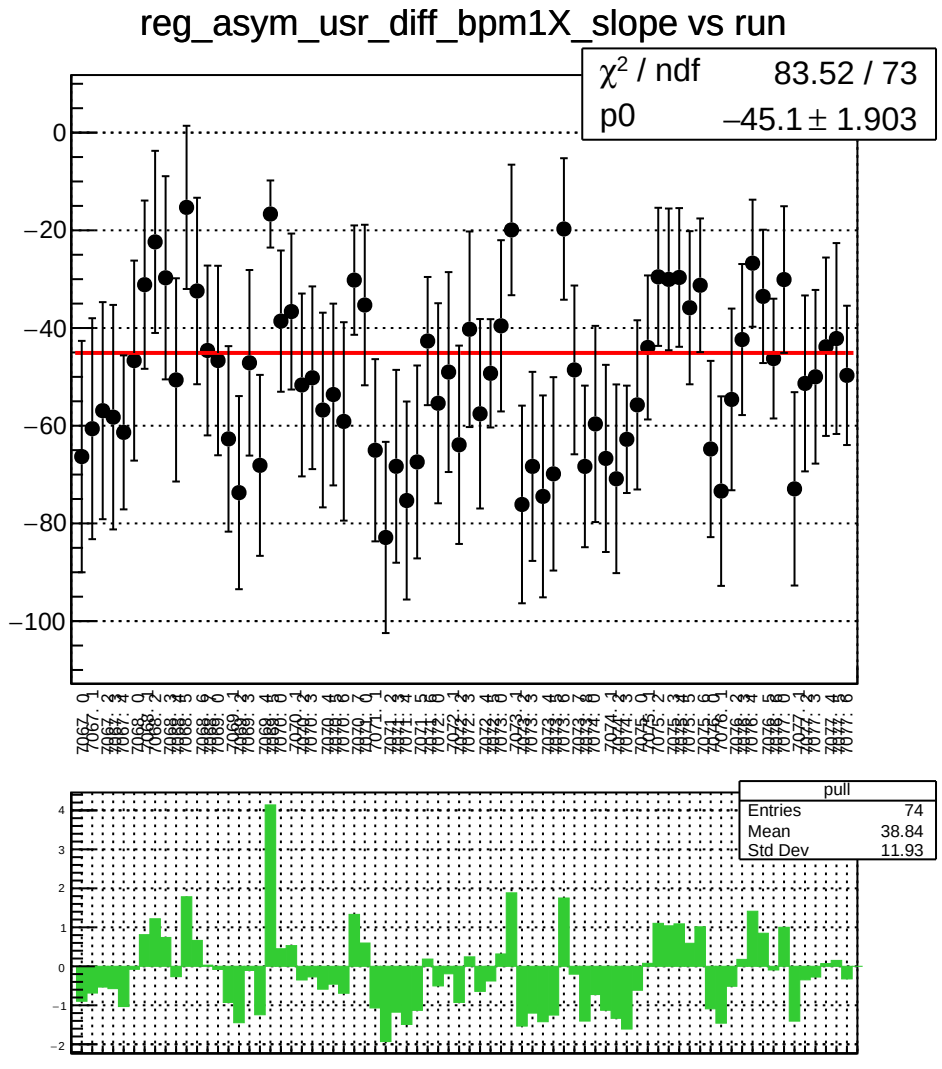

pull1D
Entries 74
Mean −0.02282
Std Dev 0.6016

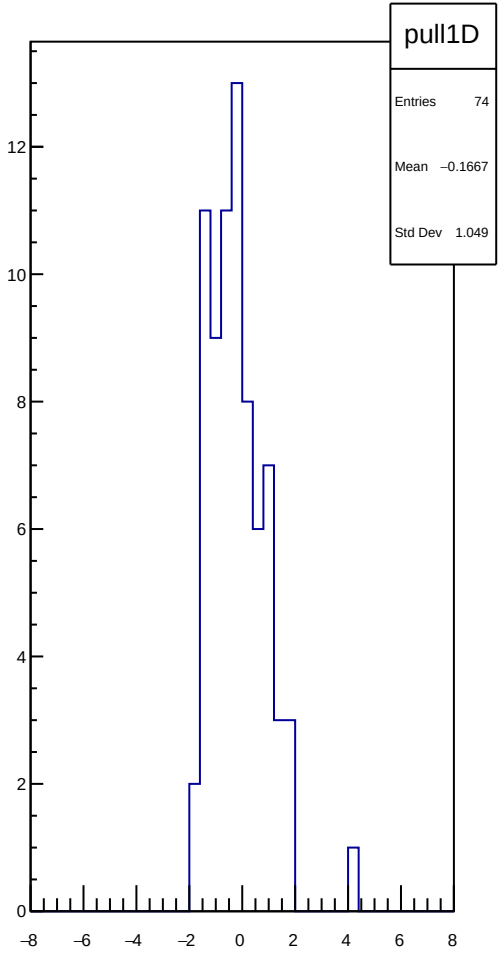

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 22.65 / 73
p0 22.01 ± 1.61
pull
Entries 74
Mean −308.7
Std Dev 338.9

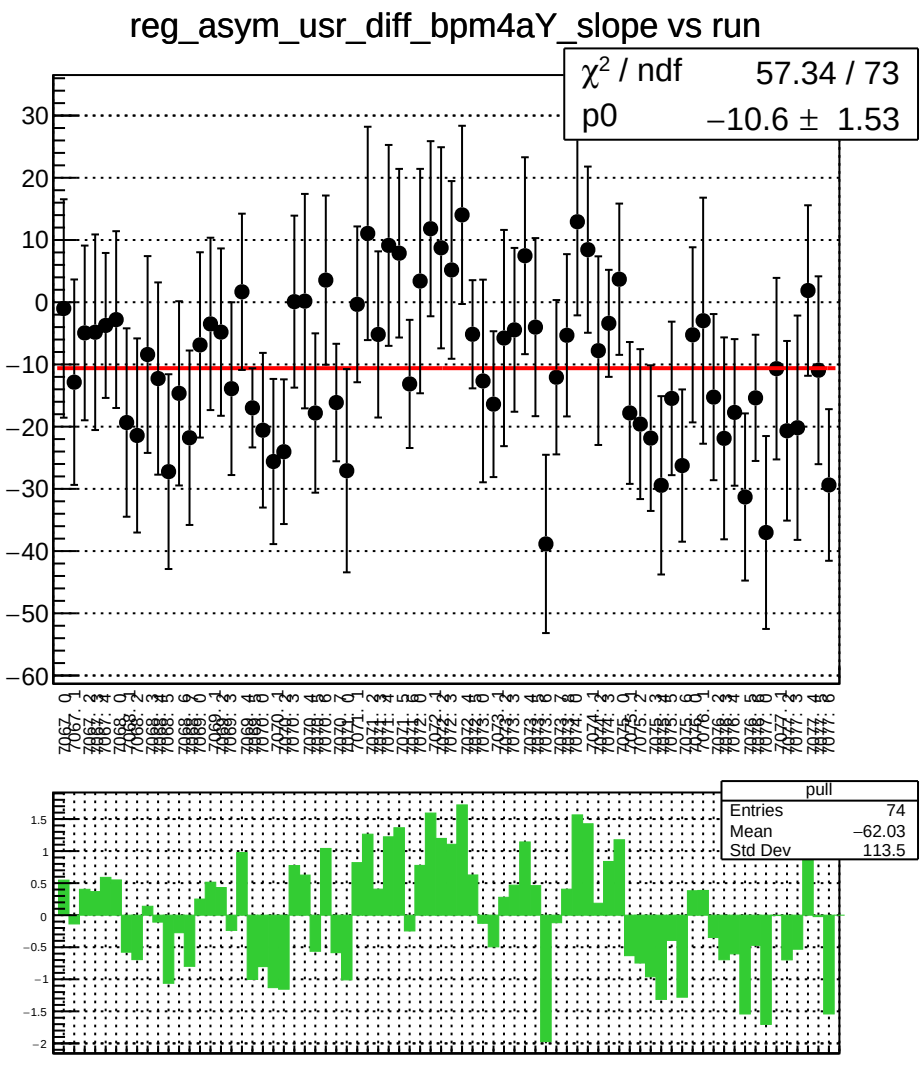

pull1D
Entries 74
Mean 0.005277
Std Dev 0.5533

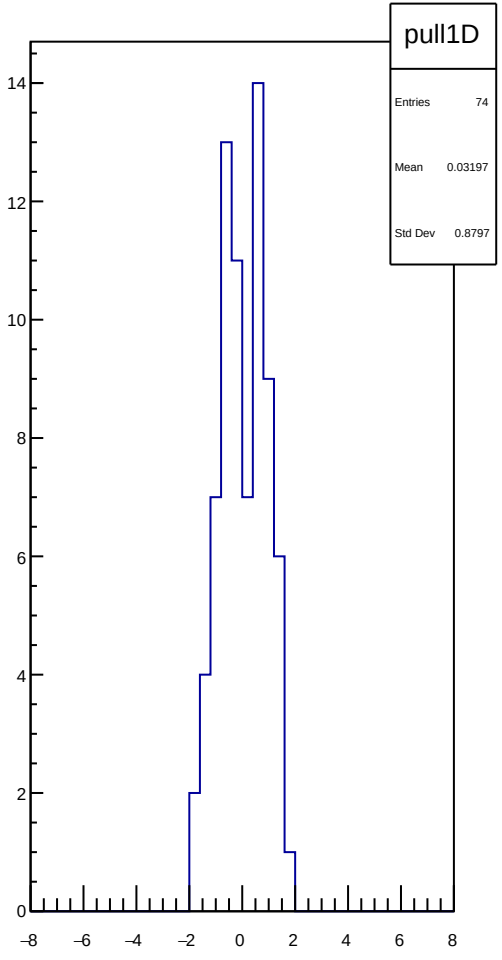

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 58.95 / 73
p0 −38.7 ± 0.07334
pull
Entries 74
Mean 294.1
Std Dev 258.5

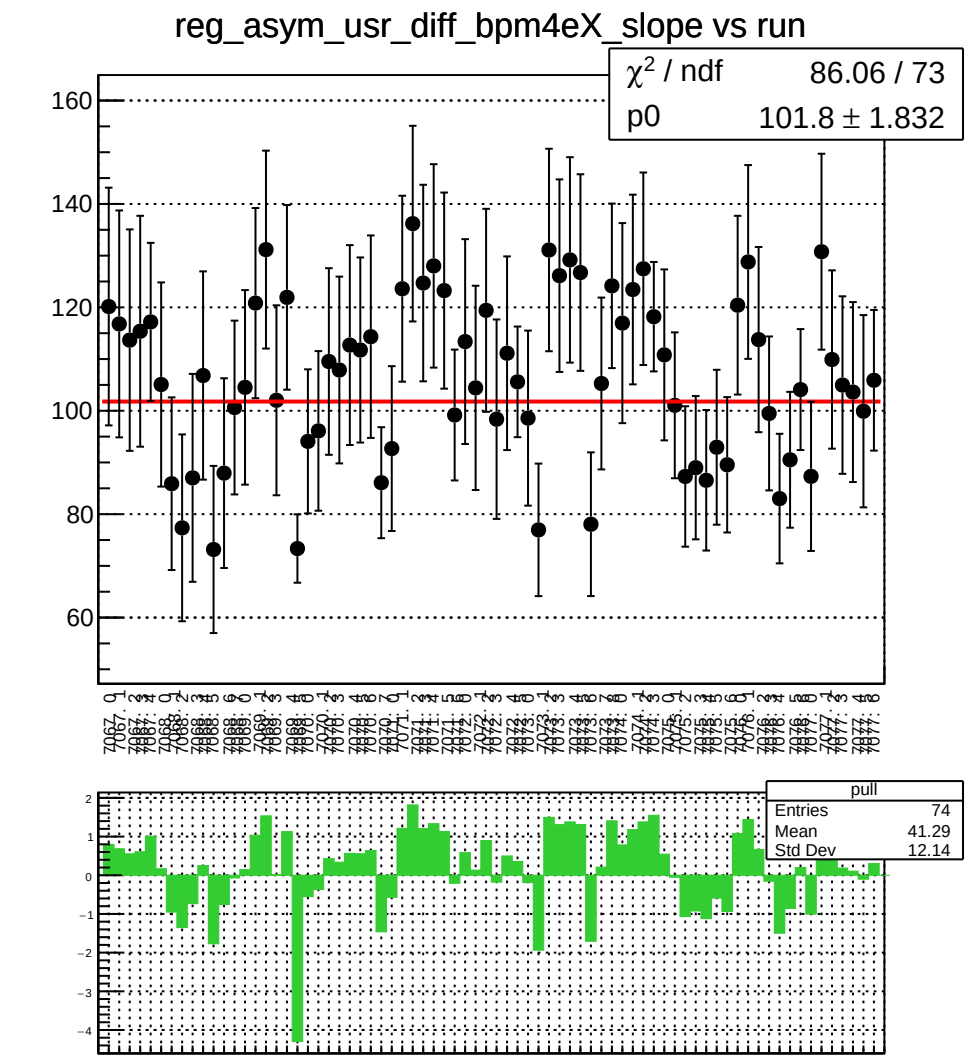

pull1D
Entries 74
Mean 0.01118
Std Dev 0.8924

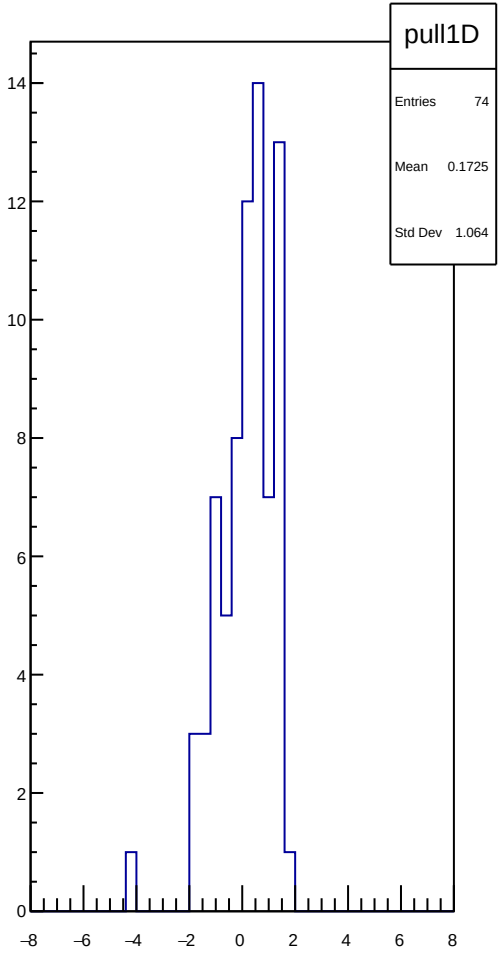

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 83.52 / 73
p0 −45.1 ± 1.903
pull
Entries 74
Mean 38.84
Std Dev 11.93

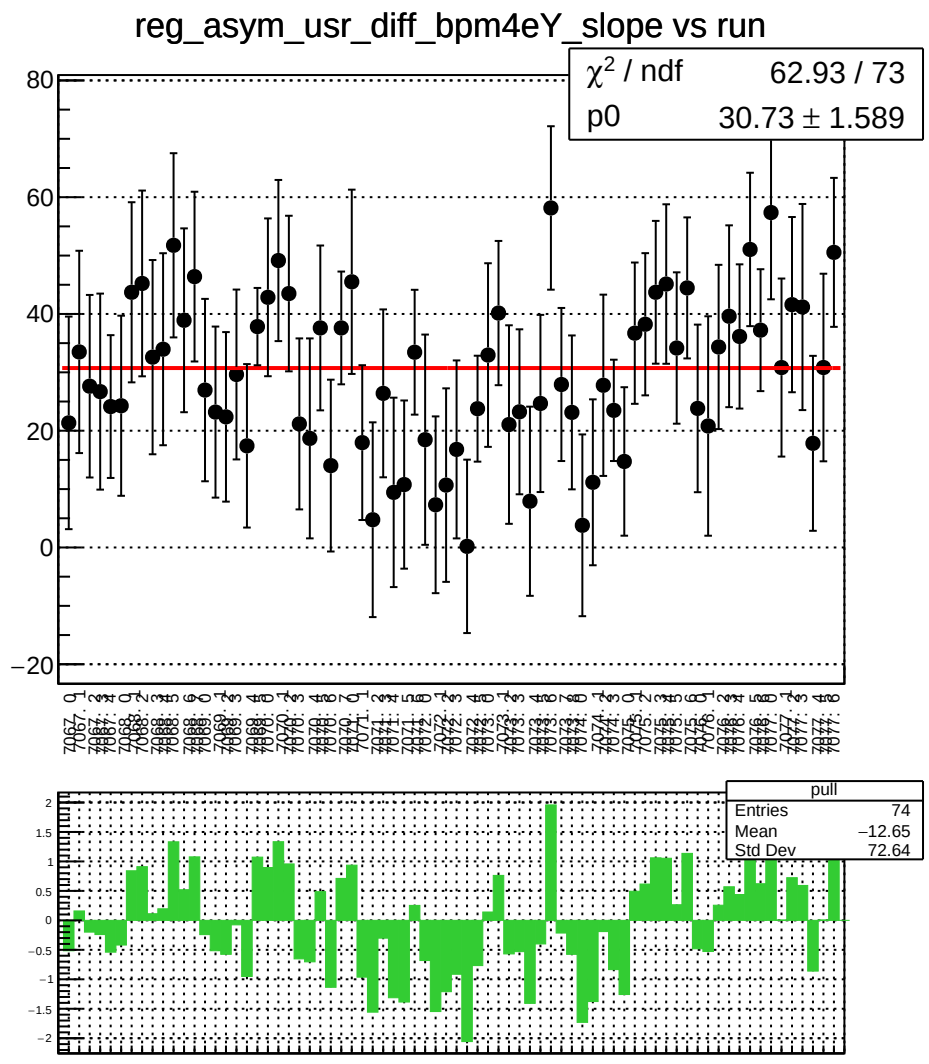

pull1D
Entries 74
Mean −0.1667
Std Dev 1.049

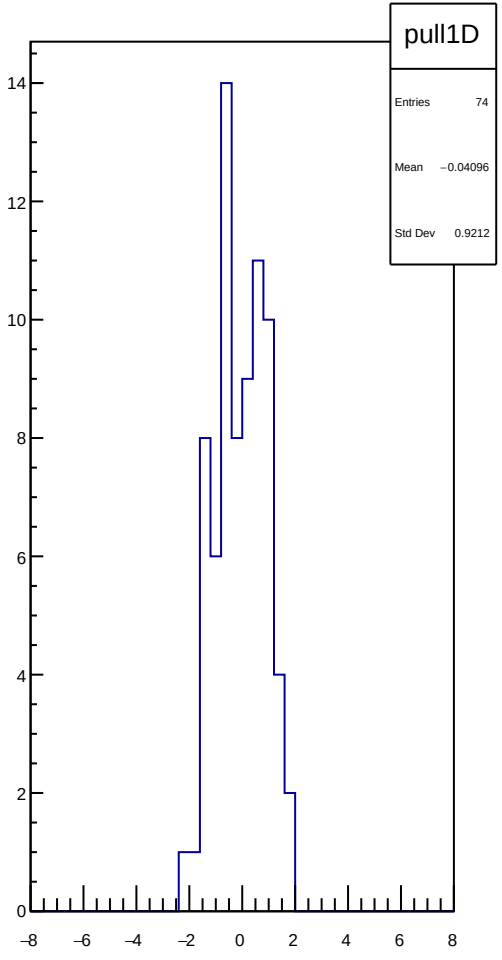

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 57.34 / 73
p0 −10.6 ± 1.53
pull
Entries 74
Mean −62.03
Std Dev 113.5

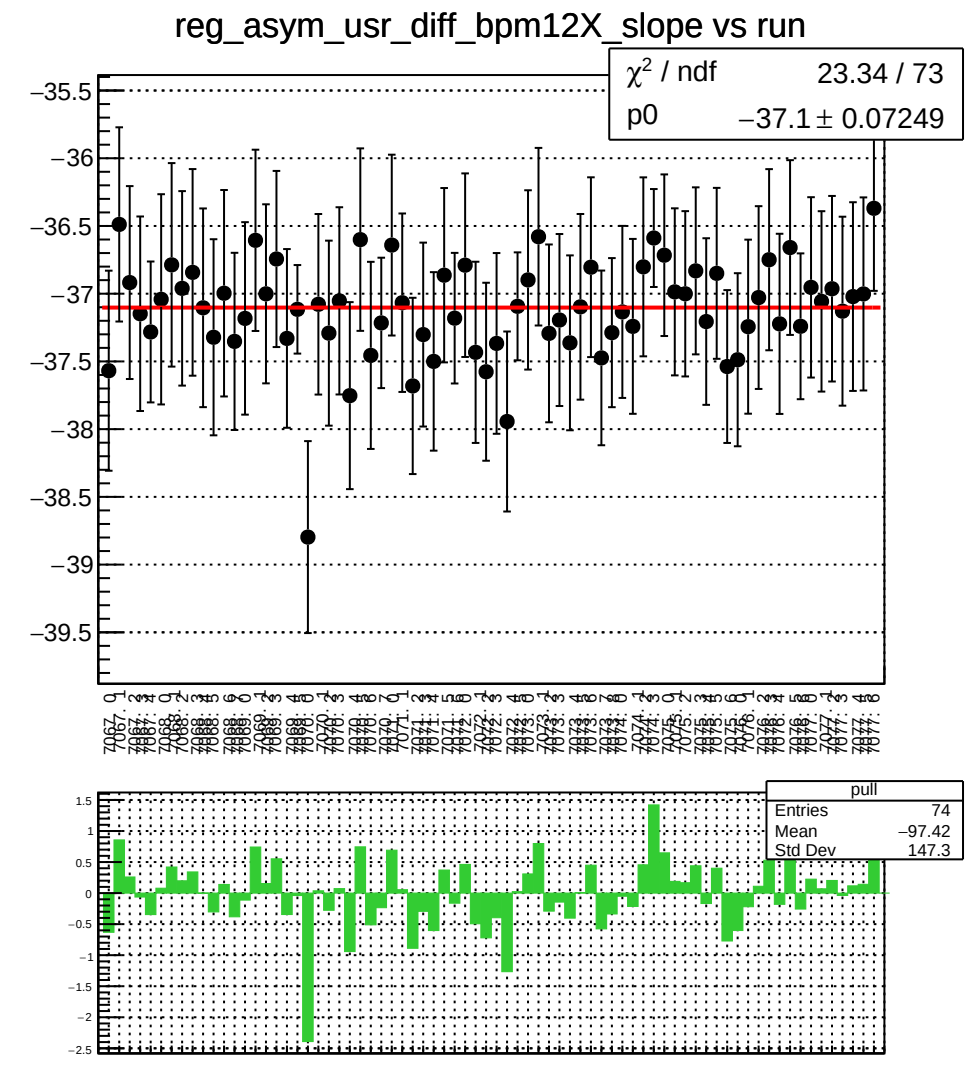

pull1D
Entries 74
Mean 0.03197
Std Dev 0.8797

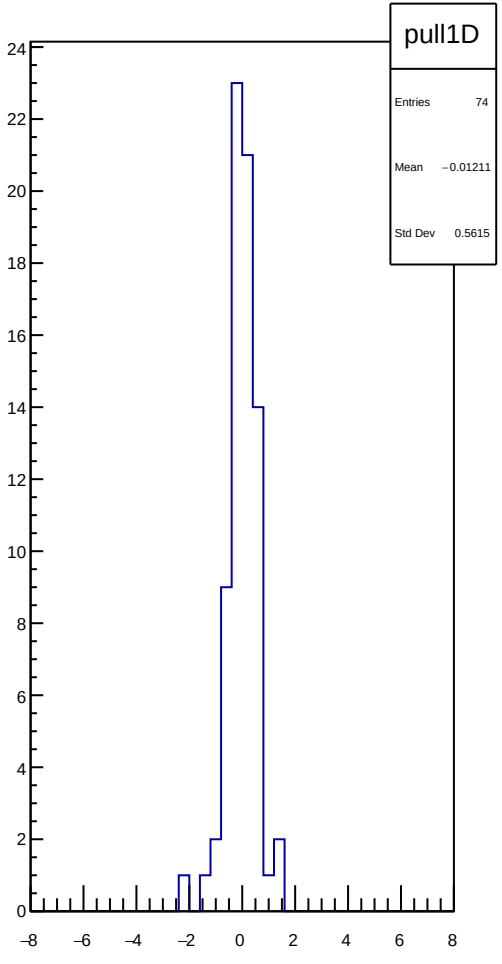

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 86.06 / 73
p0 101.8 ± 1.832
160
140
120
100
80
60
pull
Entries 74
Mean 41.29
Std Dev 12.14
2
1
0
−1
−2
−3
−4

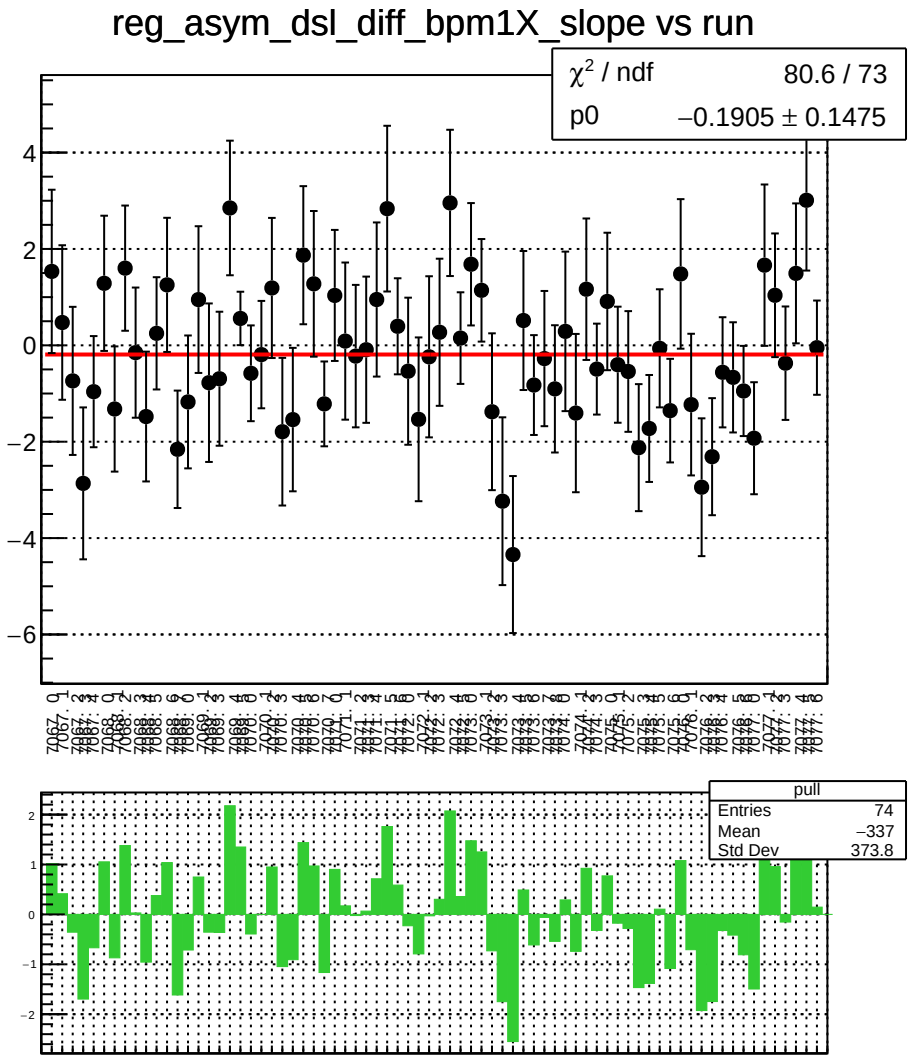

pull1D
Entries 74
Mean 0.1725
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

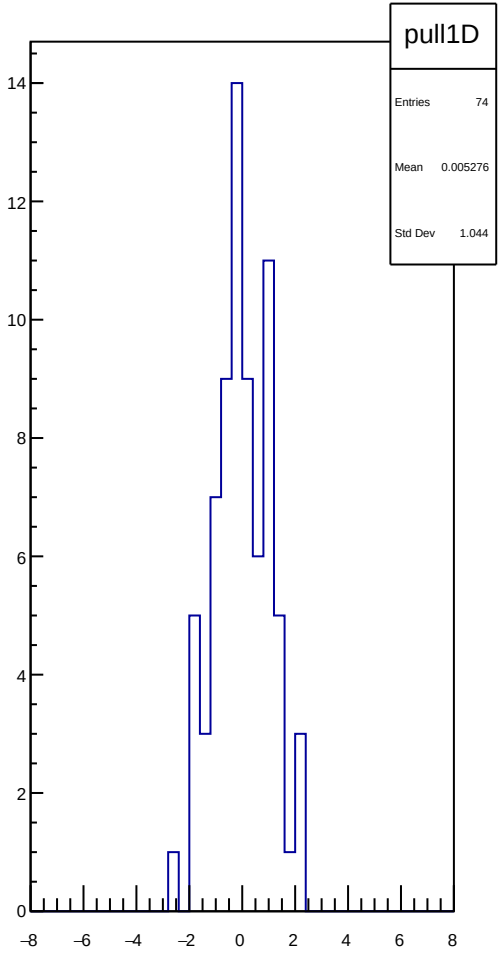

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 62.93 / 73
p0 30.73 ± 1.589
pull
Entries 74
Mean −12.65
Std Dev 72.64

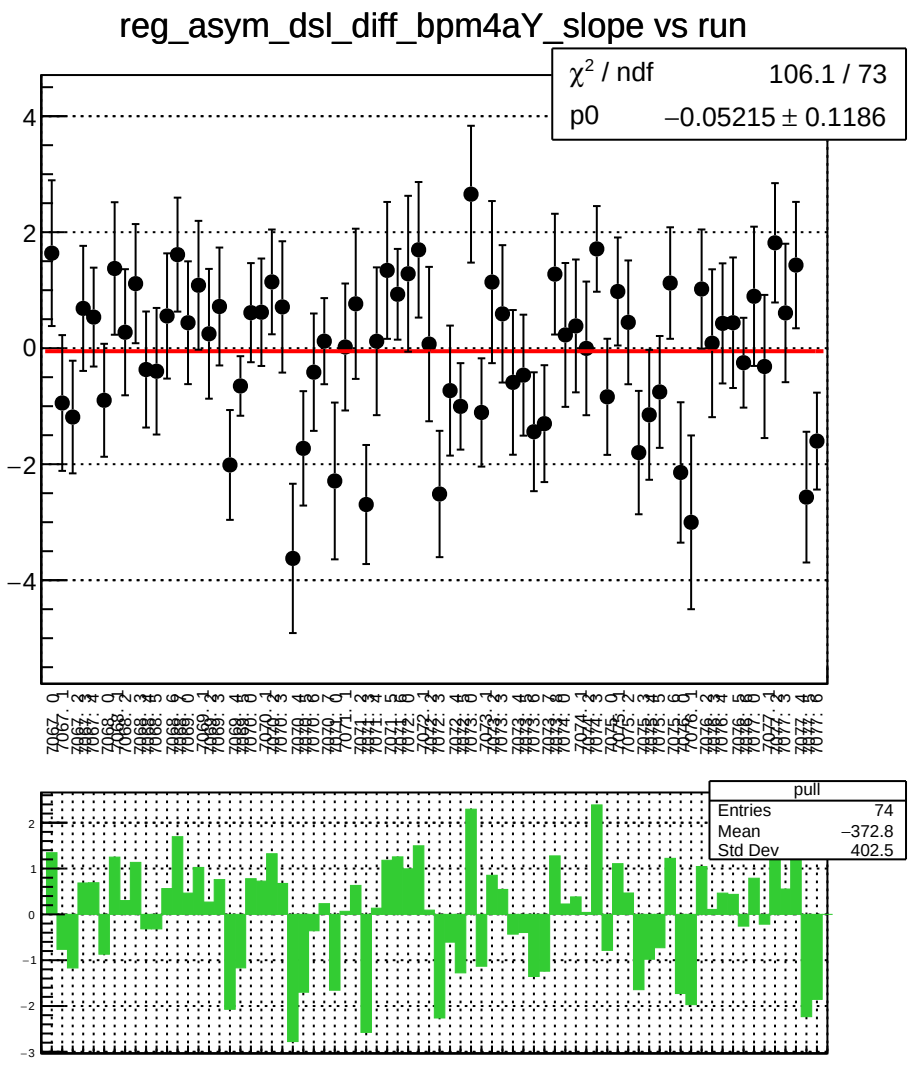

pull1D
Entries 74
Mean −0.04096
Std Dev 0.9212

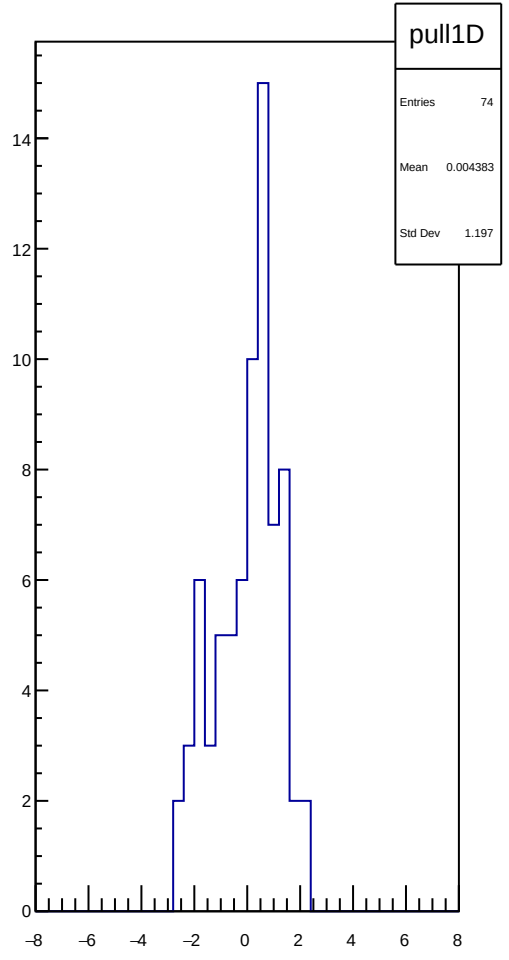

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 23.34 / 73
p0 −37.1 ± 0.07249
pull
Entries 74
Mean −97.42
Std Dev 147.3

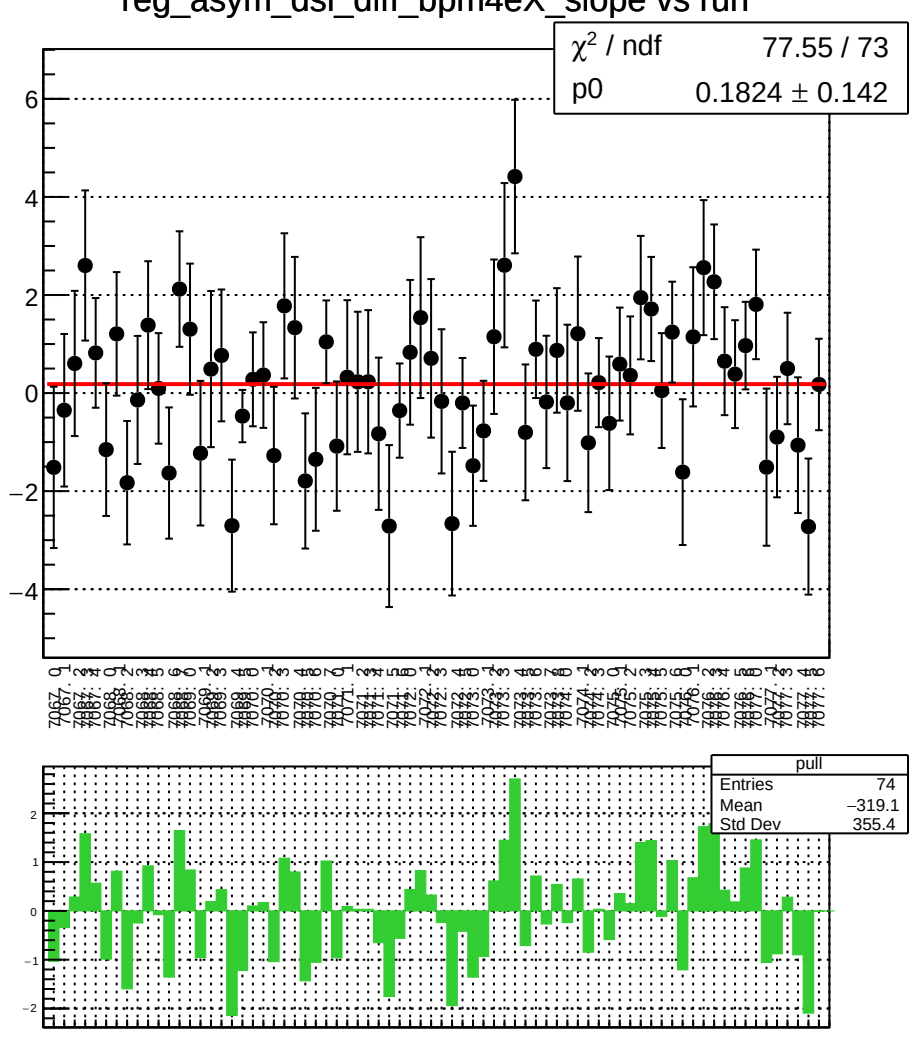

pull1D
Entries 74
Mean −0.01211
Std Dev 0.5615

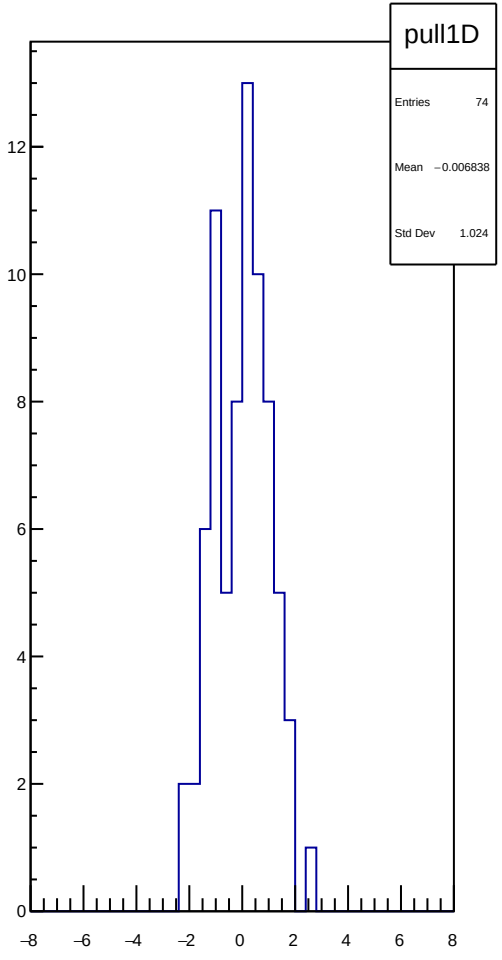

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 80.6 / 73
p0 −0.1905 ± 0.1475
pull
Entries 74
Mean −337
Std Dev 373.8

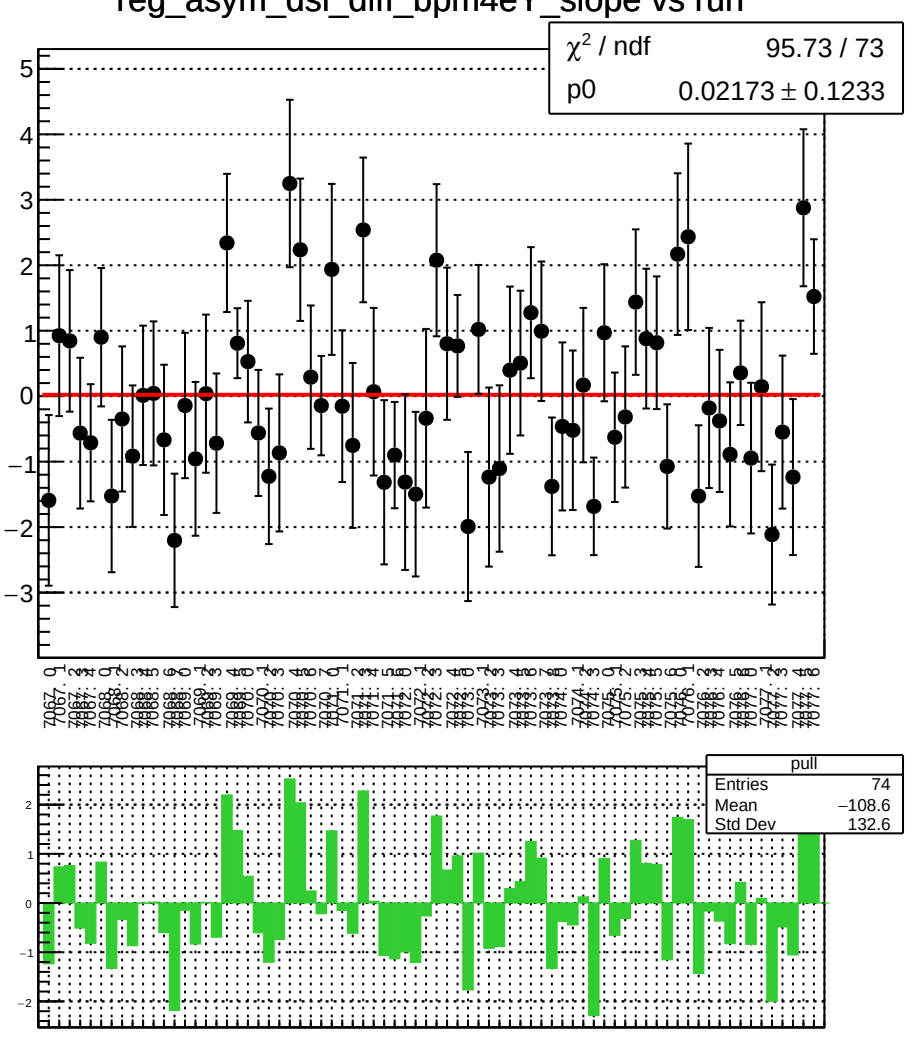

pull1D
Entries 74
Mean 0.005276
Std Dev 1.044

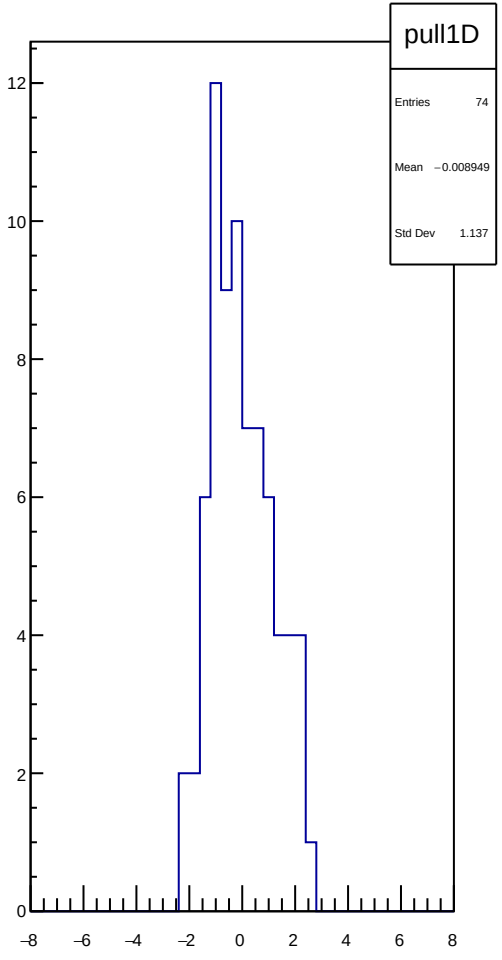

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 106.1 / 73
p0 −0.05215 ± 0.1186
pull
Entries 74
Mean −372.8
Std Dev 402.5

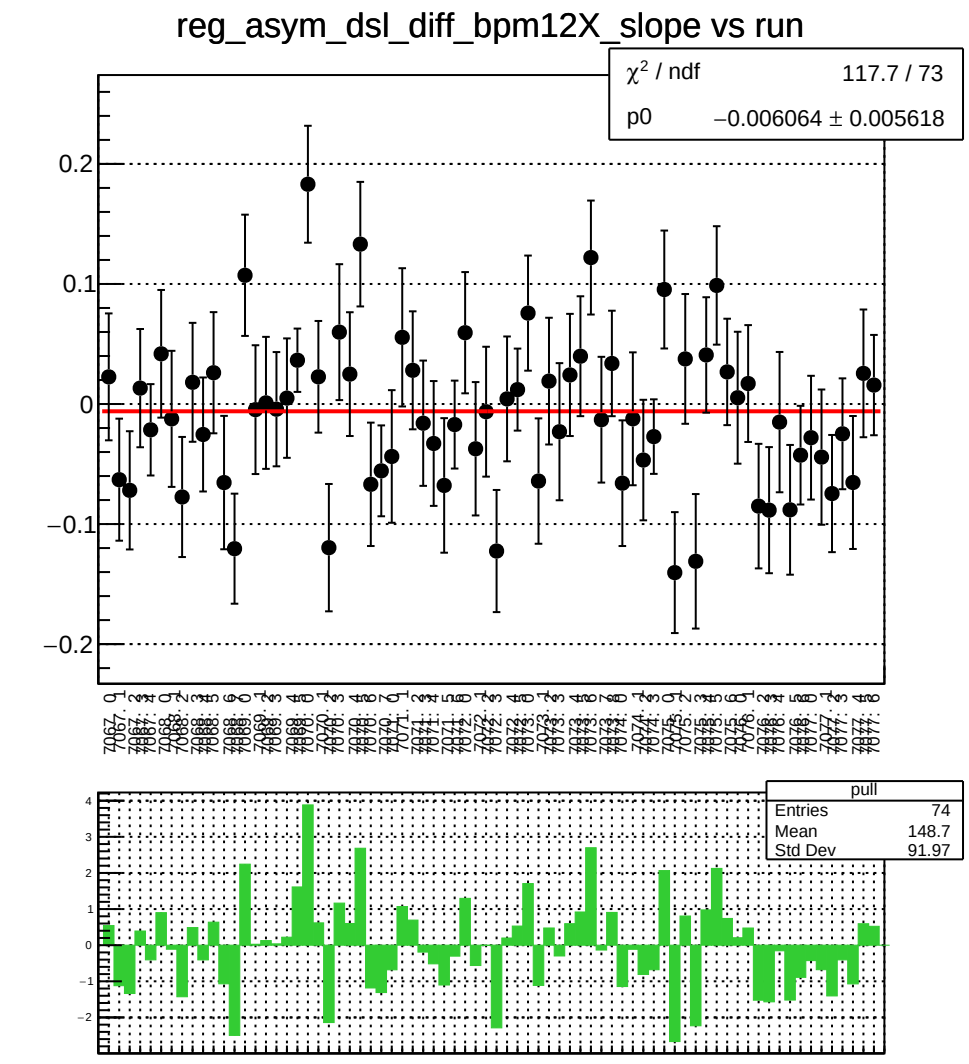

pull1D
Entries 74
Mean 0.004383
Std Dev 1.197

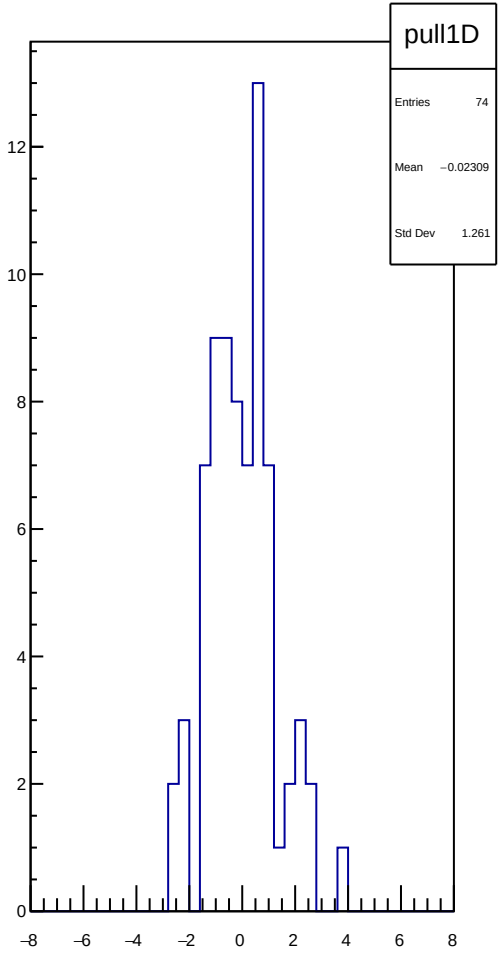

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 77.55 / 73
p0 0.1824 ± 0.142
pull
Entries 74
Mean −319.1
Std Dev 355.4

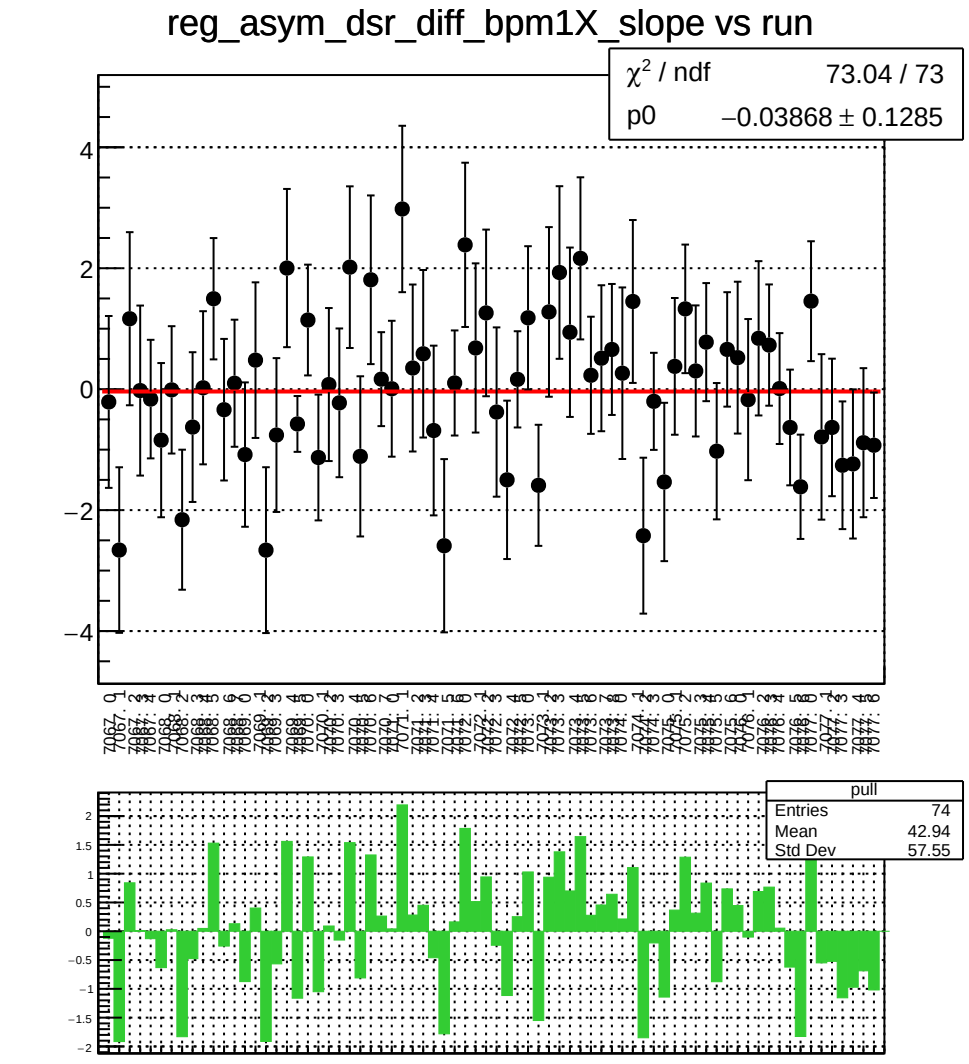

pull1D
Entries 74
Mean −0.006838
Std Dev 1.024

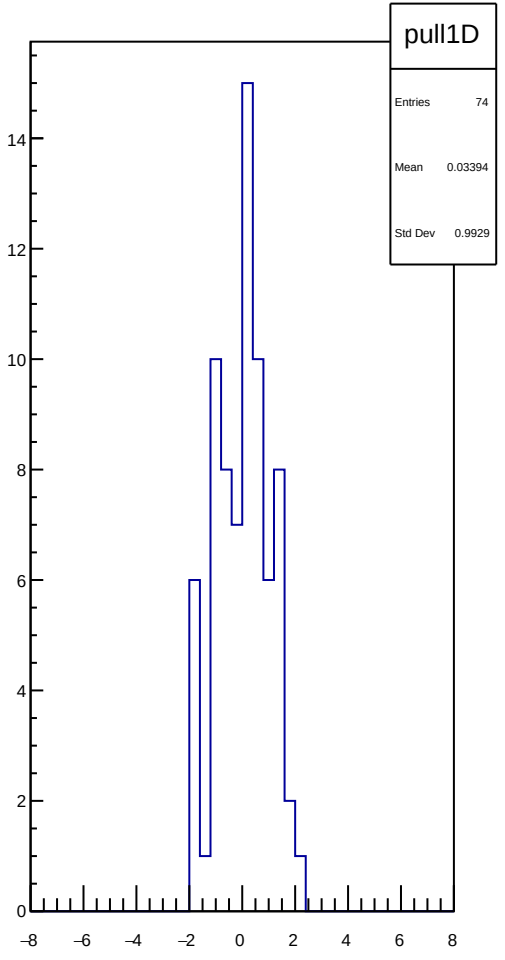

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 95.73 / 73
p0 0.02173 ± 0.1233
pull
Entries 74
Mean −108.6
Std Dev 132.6

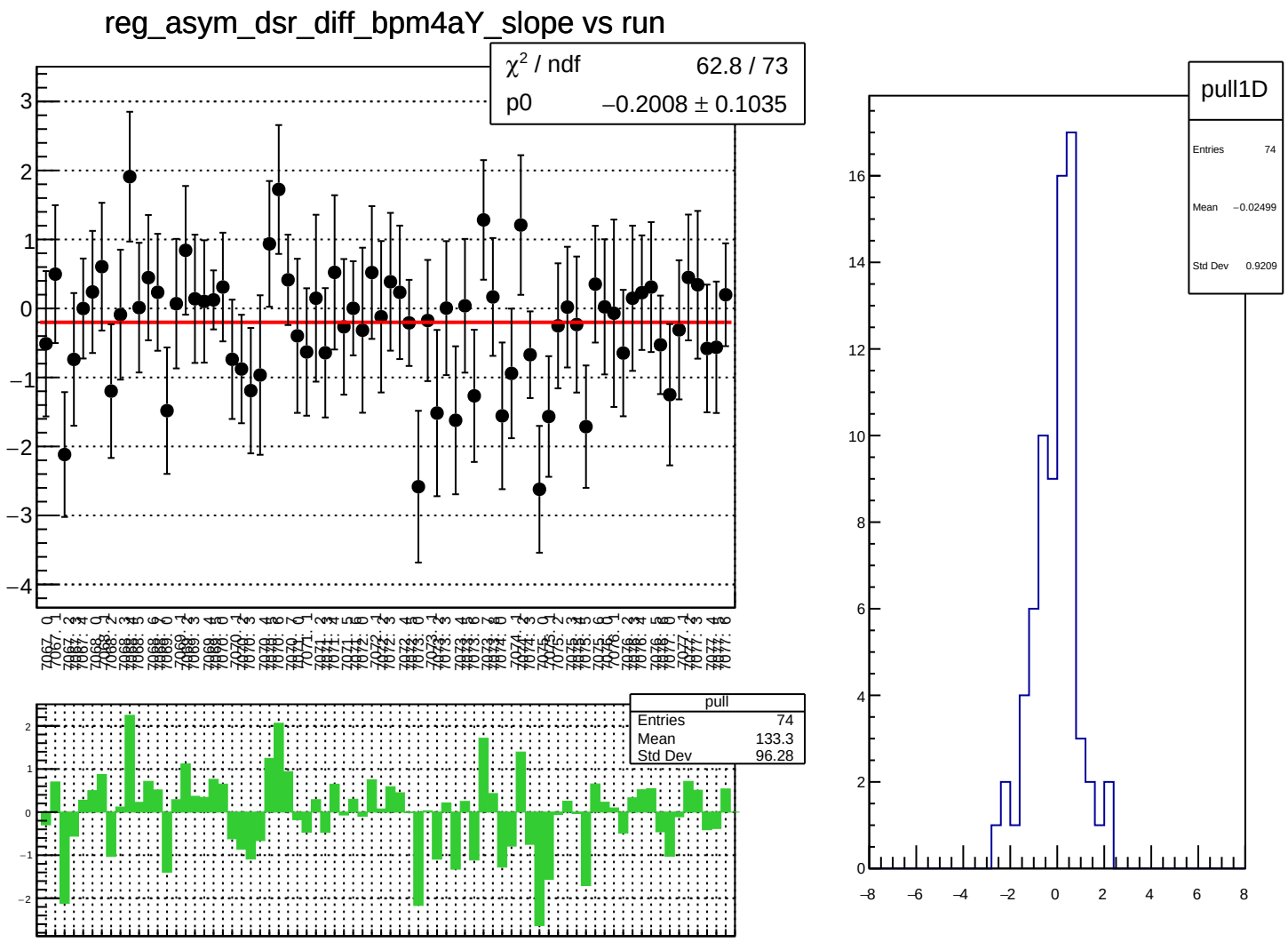

pull1D
Entries 74
Mean −0.008949
Std Dev 1.137

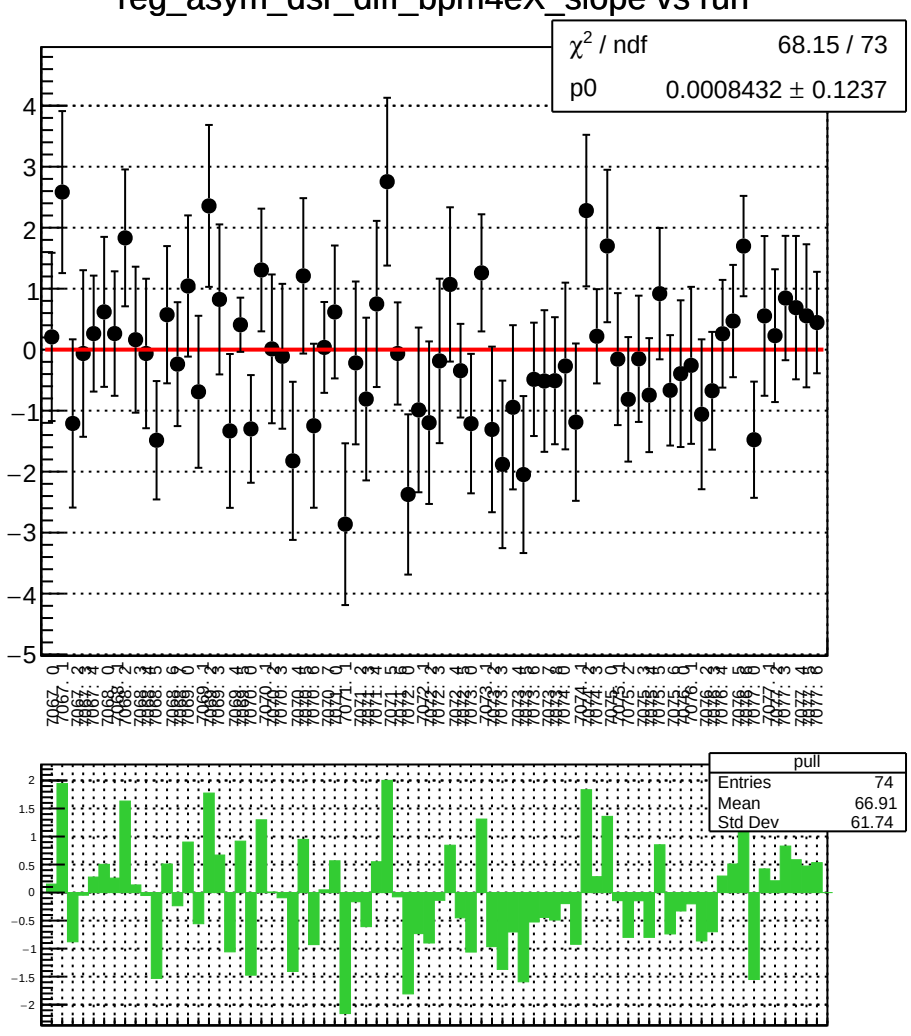

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 117.7 / 73
p0 −0.006064 ± 0.005618
pull
Entries 74
Mean 148.7
Std Dev 91.97

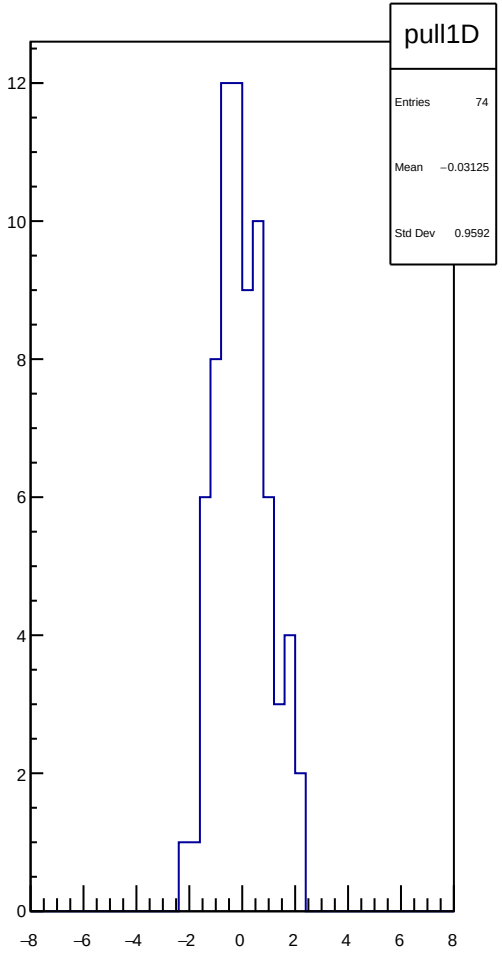

pull1D
Entries 74
Mean −0.02309
Std Dev 1.261

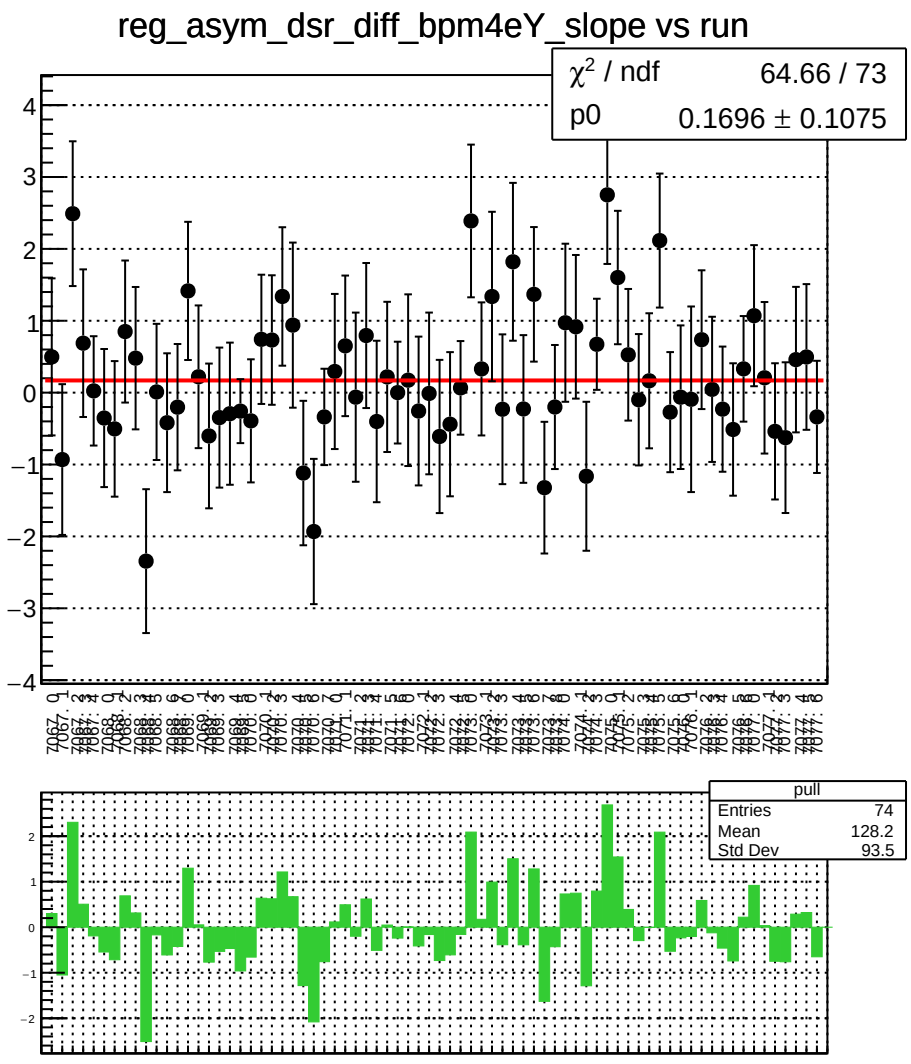

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 73.04 / 73
p0 −0.03868 ± 0.1285
pull
Entries 74
Mean 42.94
Std Dev 57.55

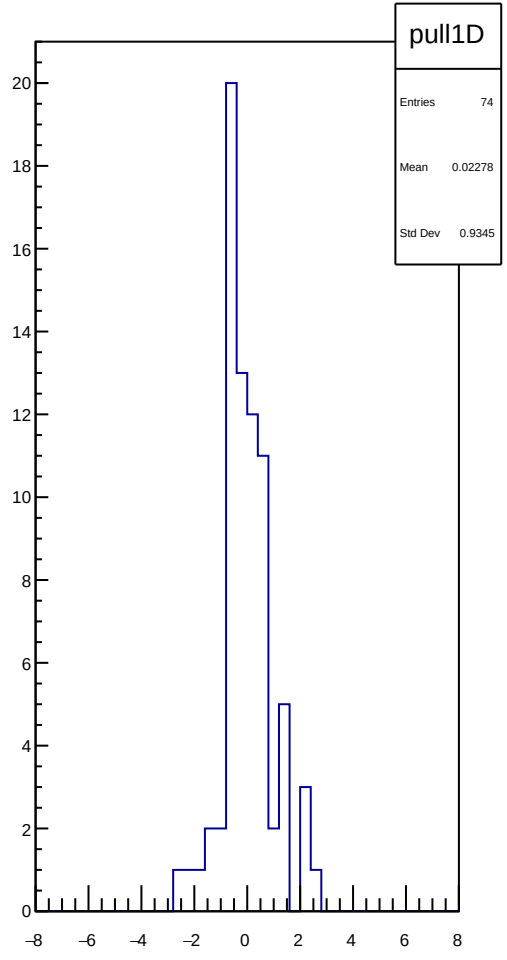

pull1D
Entries 74
Mean 0.03394
Std Dev 0.9929

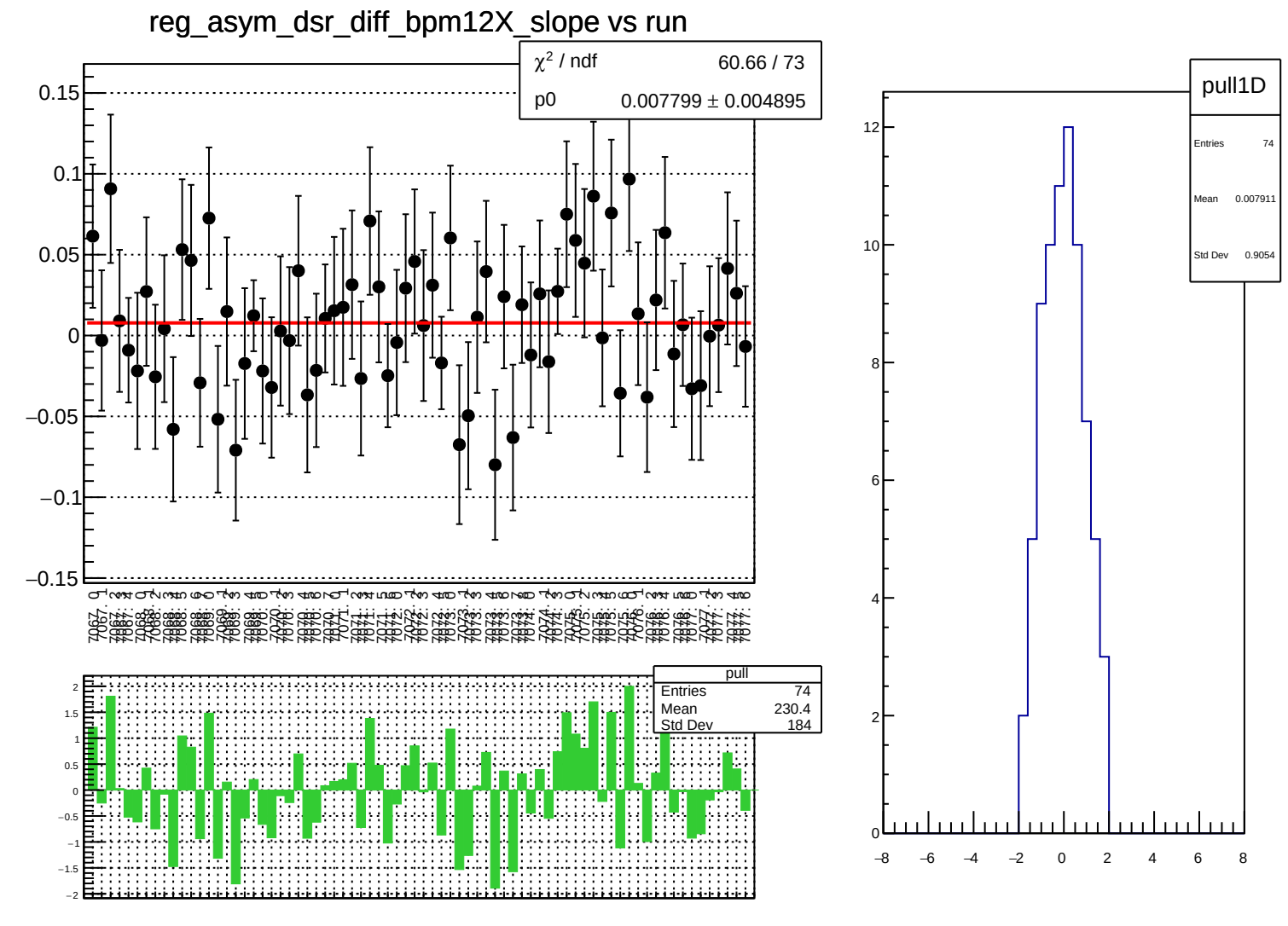

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 62.8 / 73
p0 −0.2008 ± 0.1035
pull
Entries 74
Mean 133.3
Std Dev 96.28
pull1D
Entries 74
Mean −0.02499
Std Dev 0.9209

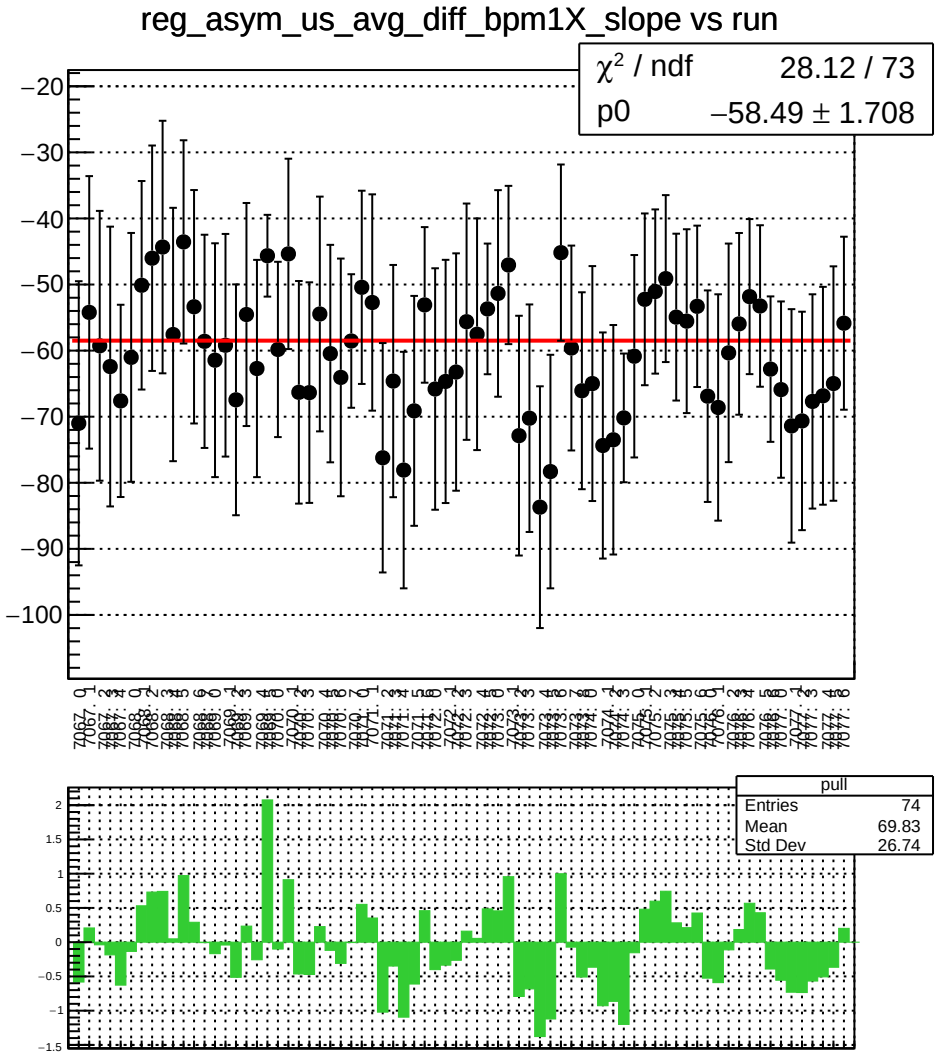

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 68.15 / 73
p0 0.0008432 ± 0.1237
pull
Entries 74
Mean 66.91
Std Dev 61.74

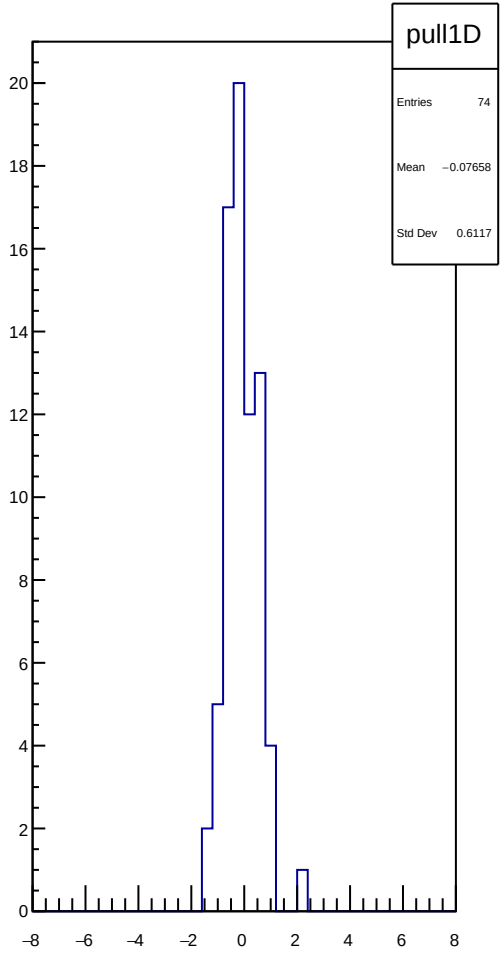

pull1D
Entries 74
Mean −0.03125
Std Dev 0.9592

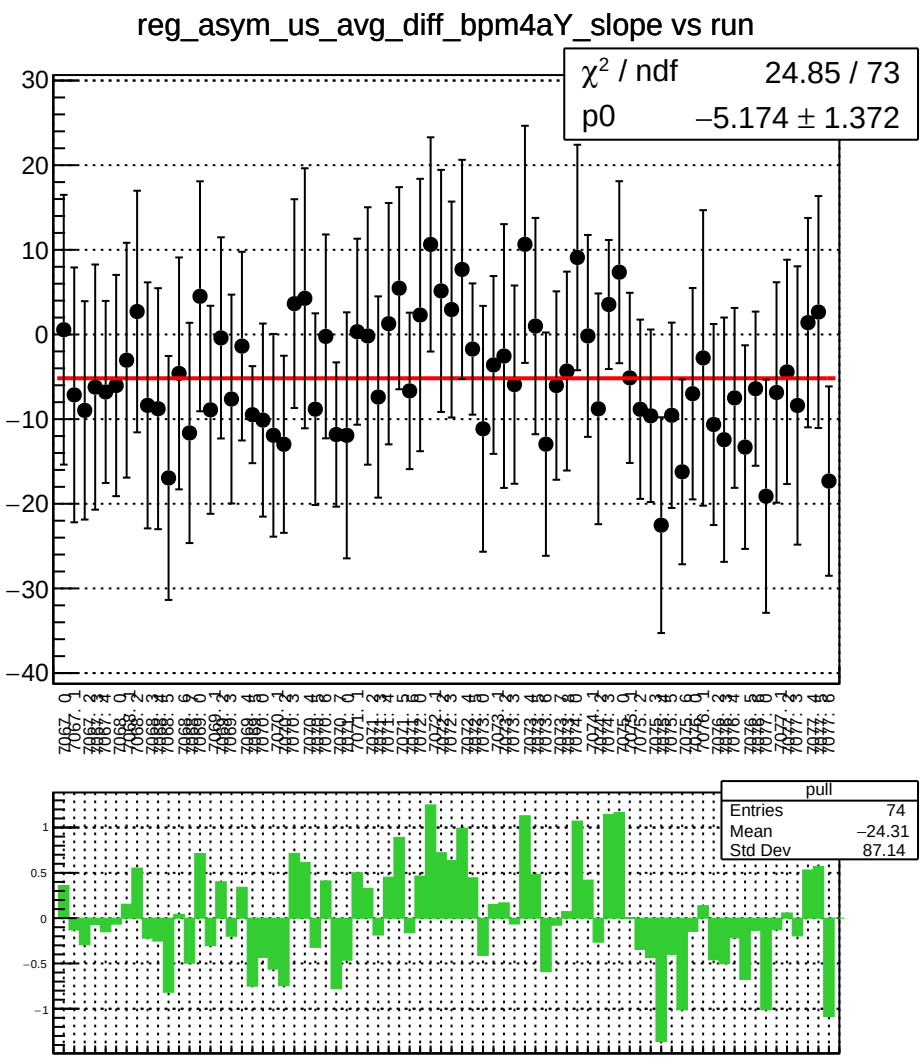

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 64.66 / 73
p0 0.1696 ± 0.1075
pull
Entries 74
Mean 128.2
Std Dev 93.5

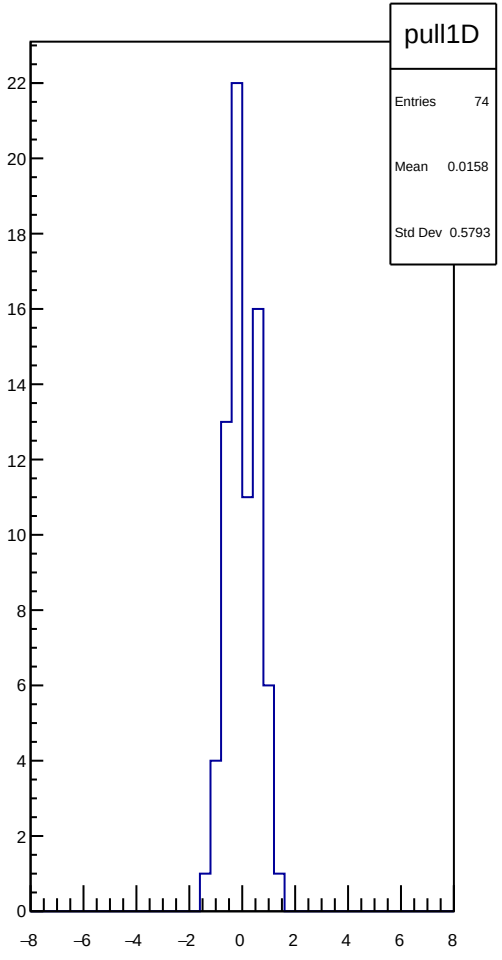

pull1D
Entries 74
Mean 0.02278
Std Dev 0.9345

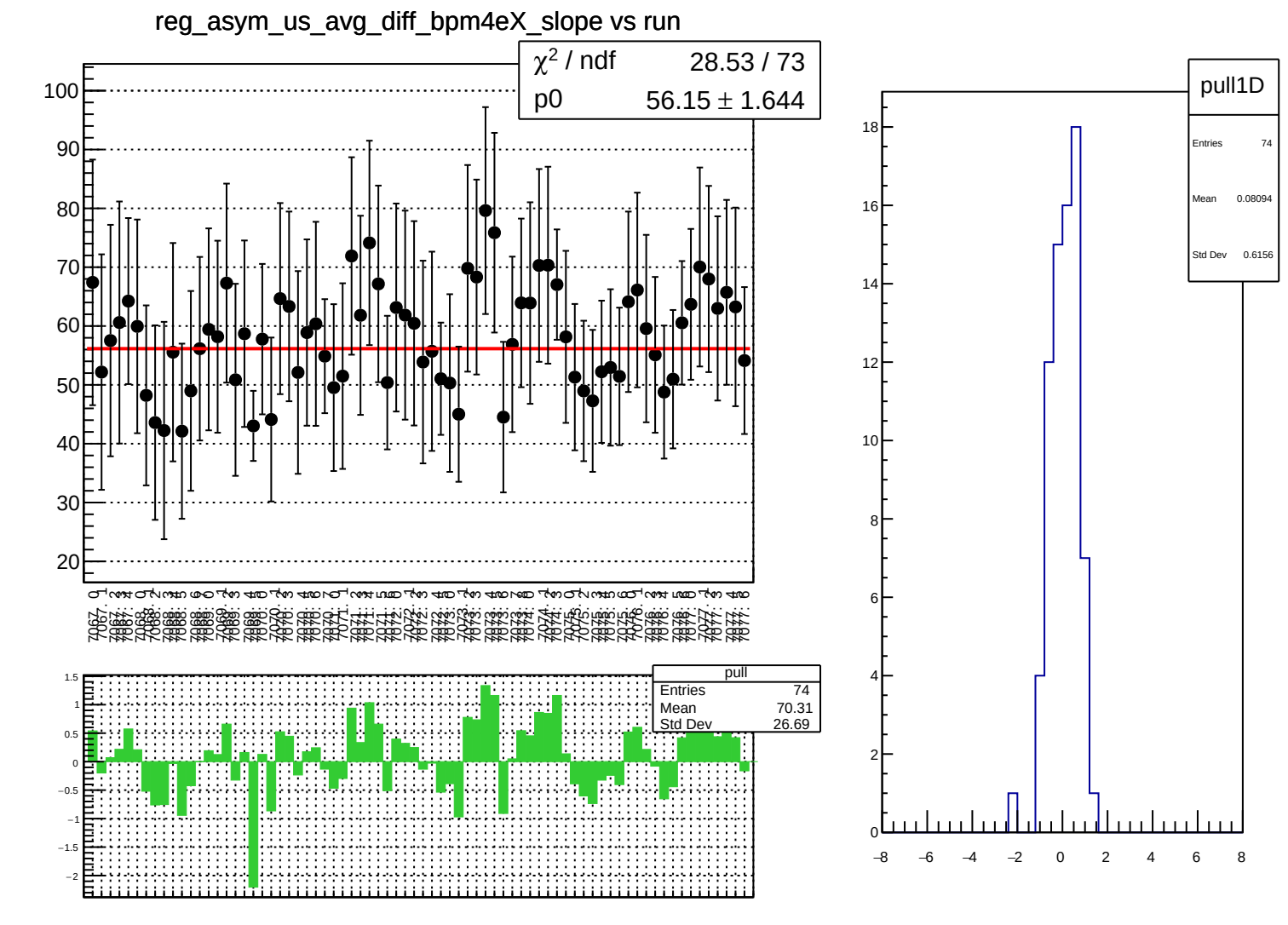

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 60.66 / 73
p0 0.007799 ± 0.004895
pull
Entries 74
Mean 230.4
Std Dev 184
pull1D
Entries 74
Mean 0.007911
Std Dev 0.9054

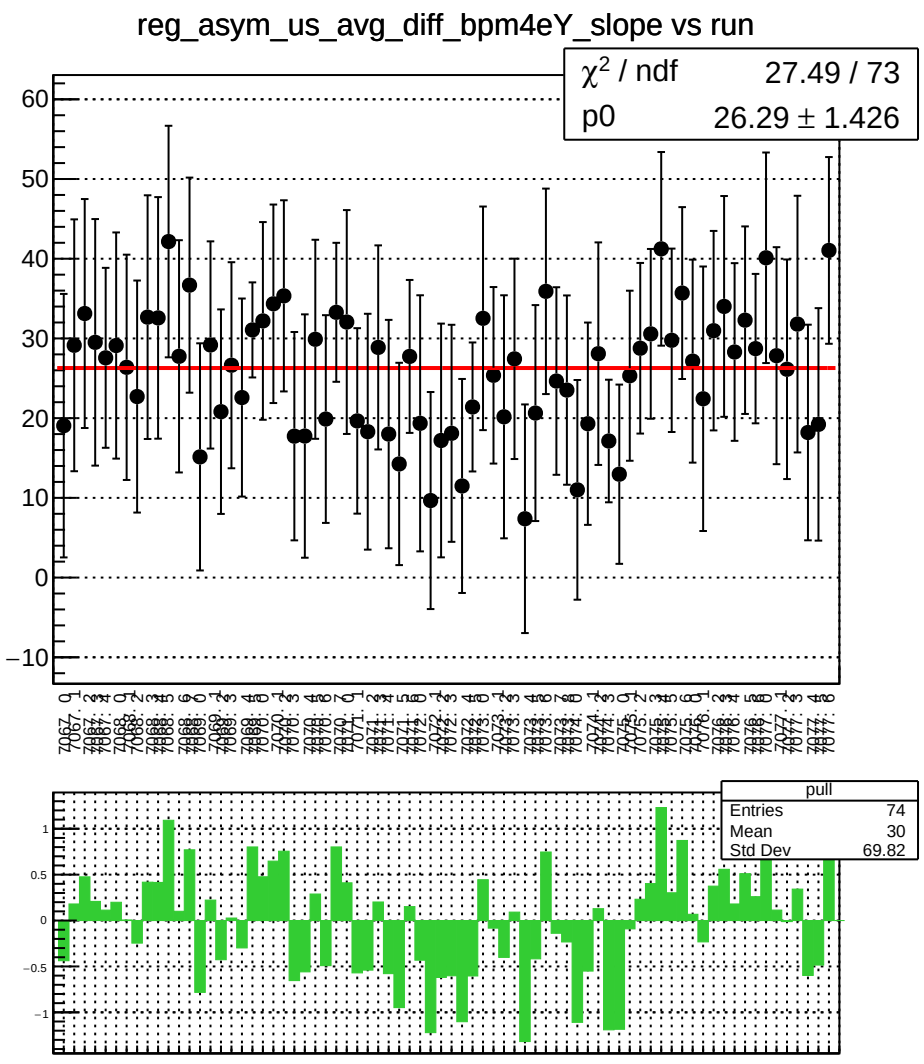

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 28.12 / 73
p0 −58.49 ± 1.708
pull
Entries 74
Mean 69.83
Std Dev 26.74

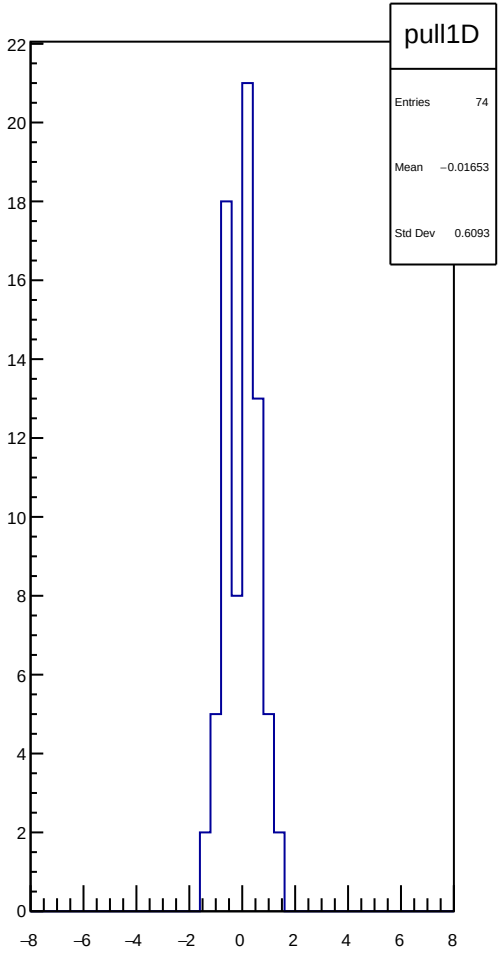

pull1D
Entries 74
Mean −0.07658
Std Dev 0.6117

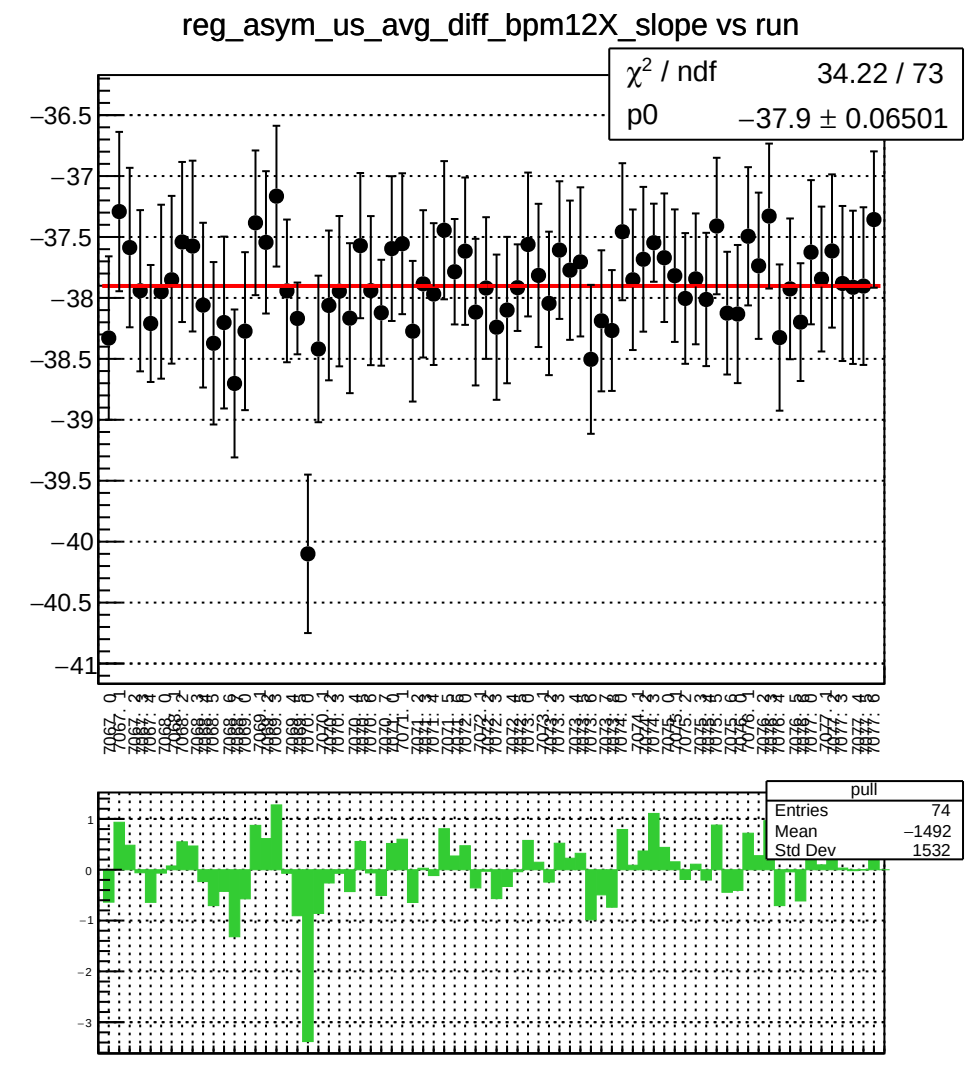

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.85 / 73
p0 −5.174 ± 1.372
pull
Entries 74
Mean −24.31
Std Dev 87.14

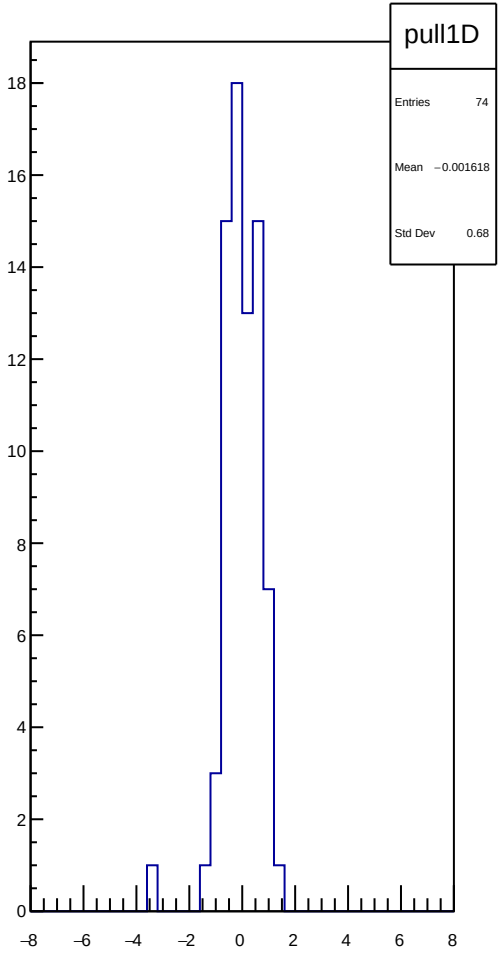

pull1D
Entries 74
Mean 0.0158
Std Dev 0.5793

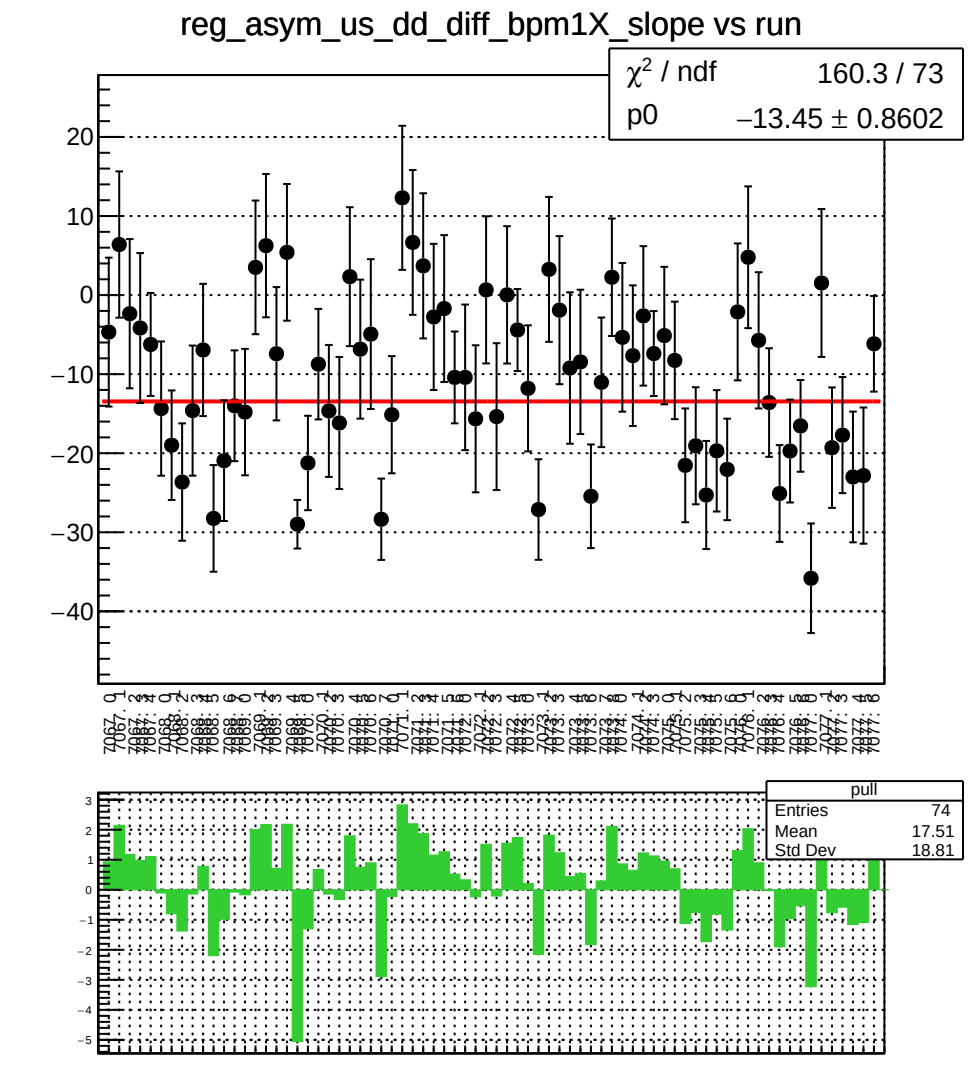

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.53 / 73
p0 56.15 ± 1.644
pull
Entries 74
Mean 70.31
Std Dev 26.69
pull1D
Entries 74
Mean 0.08094
Std Dev 0.6156

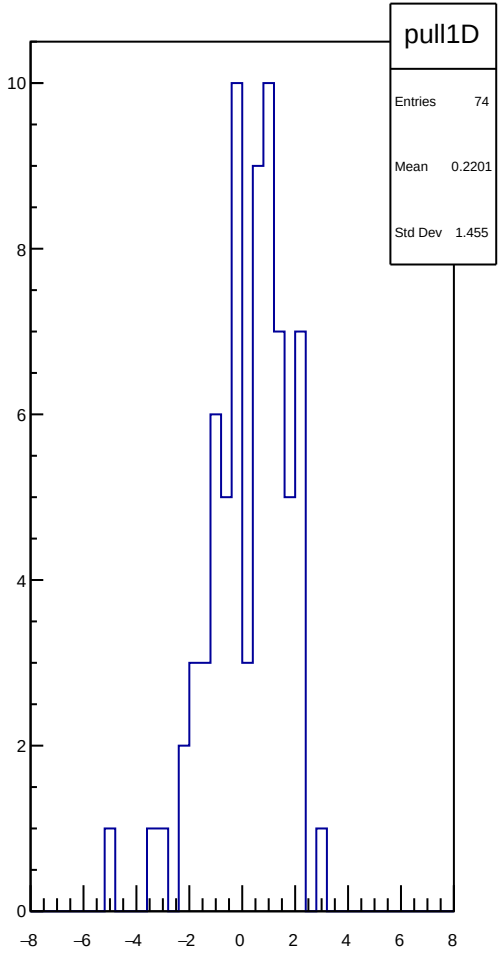

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.49 / 73
p0 26.29 ± 1.426
pull
Entries 74
Mean 30
Std Dev 69.82

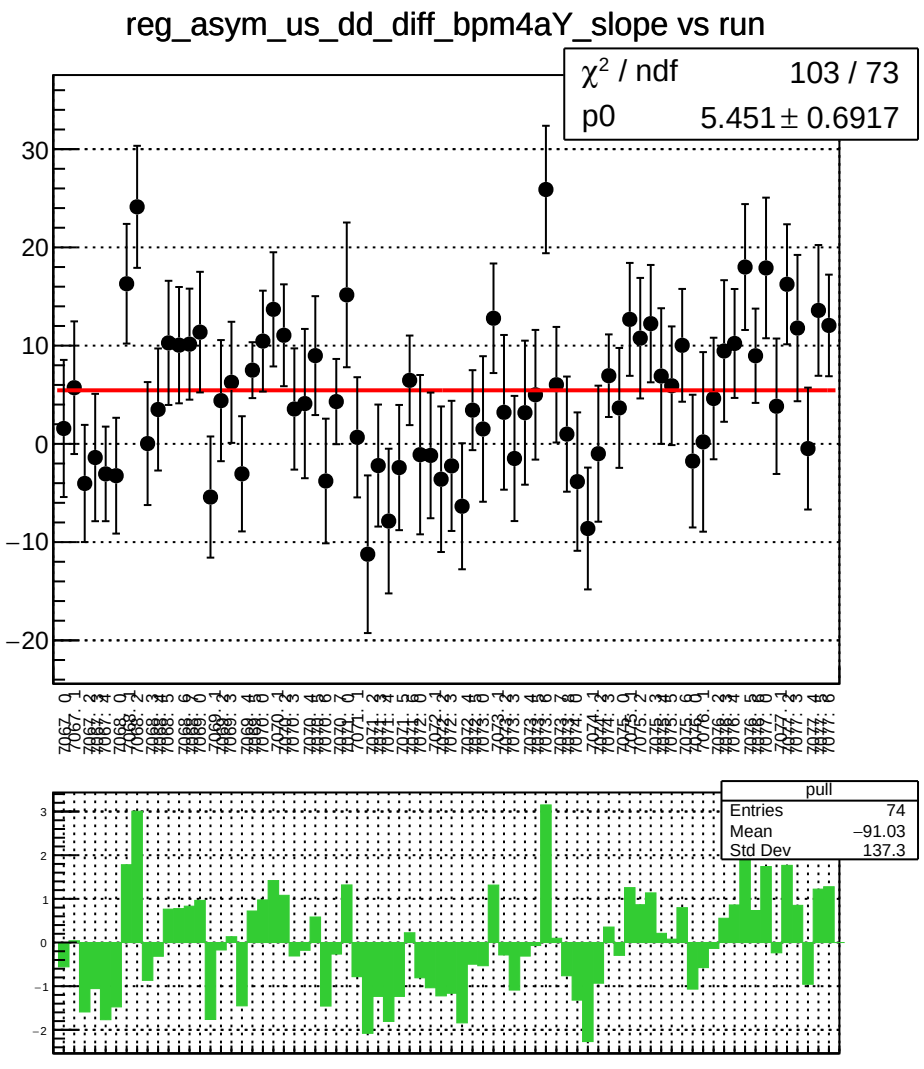

pull1D
Entries 74
Mean −0.01653
Std Dev 0.6093

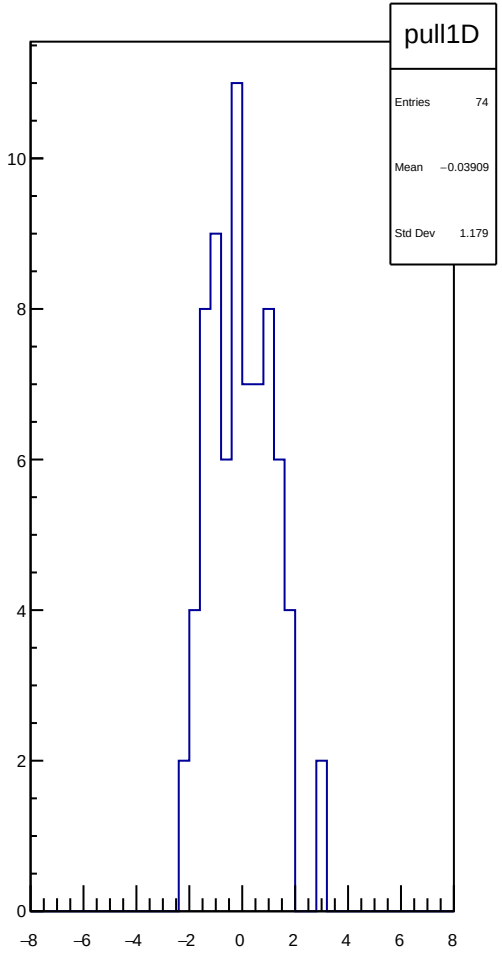

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 34.22 / 73
p0 −37.9 ± 0.06501
pull
Entries 74
Mean −1492
Std Dev 1532

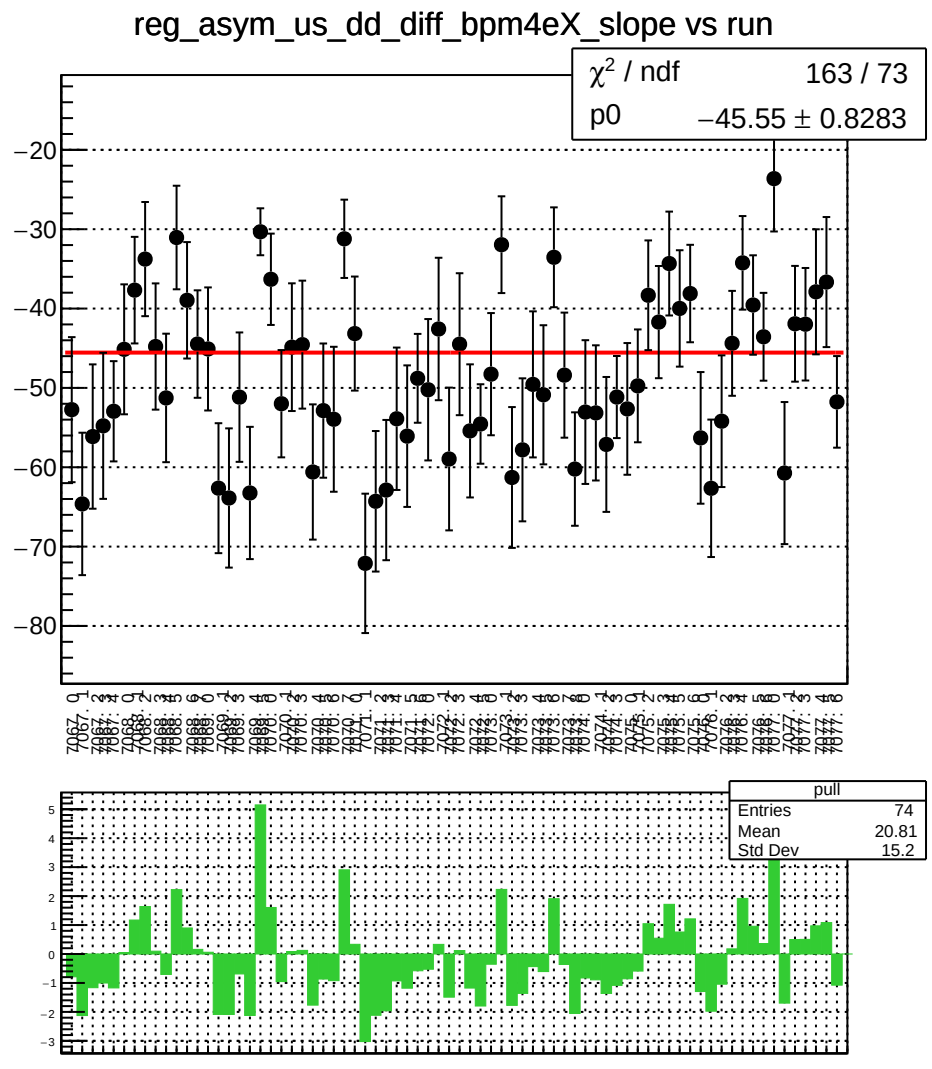

pull1D
Entries 74
Mean −0.001618
Std Dev 0.68

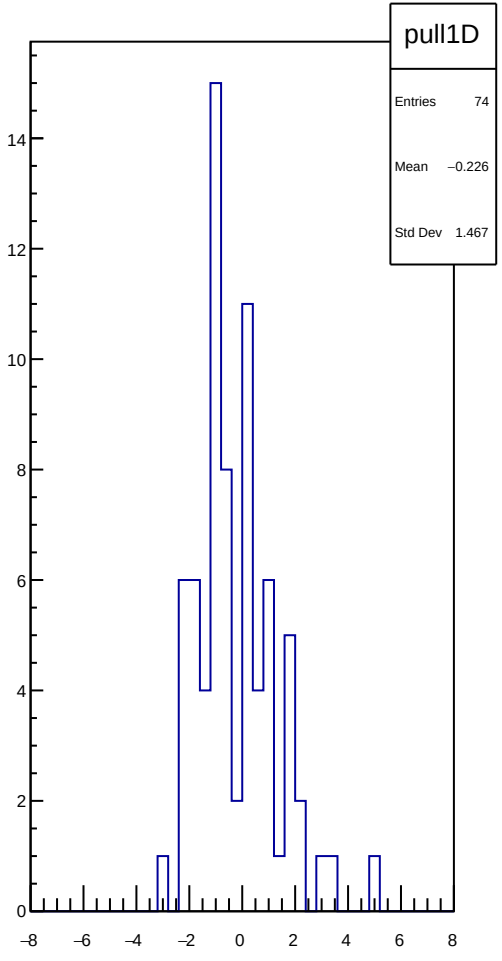

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 160.3 / 73
p0 −13.45 ± 0.8602
pull
Entries 74
Mean 17.51
Std Dev 18.81

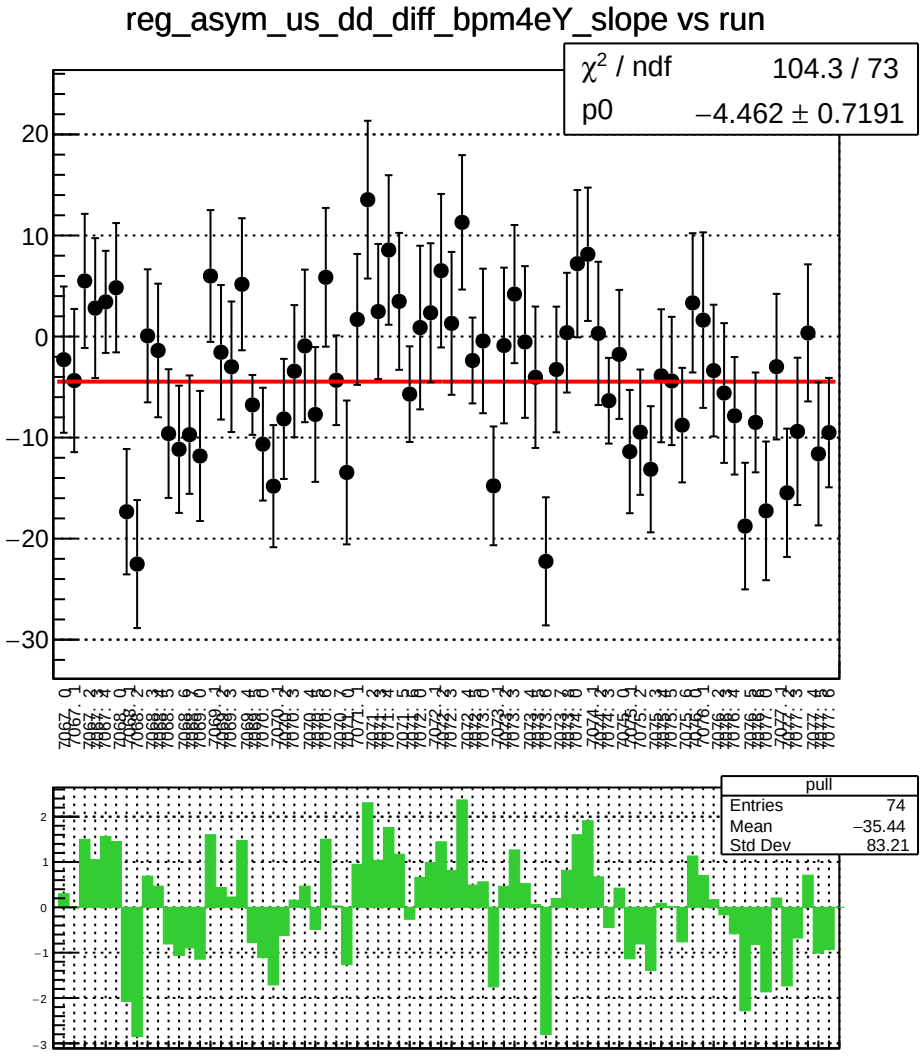

pull1D
Entries 74
Mean 0.2201
Std Dev 1.455

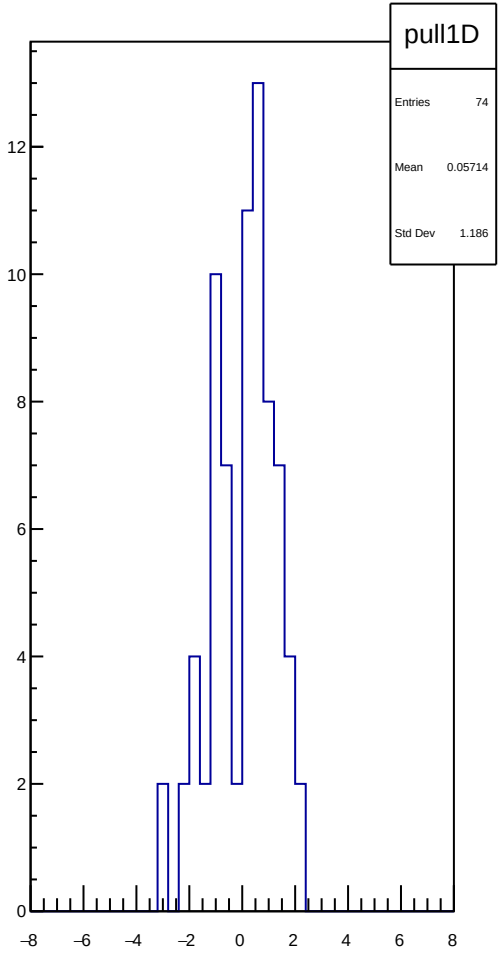

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 103 / 73
p0 5.451 ± 0.6917
pull
Entries 74
Mean −91.03
Std Dev 137.3

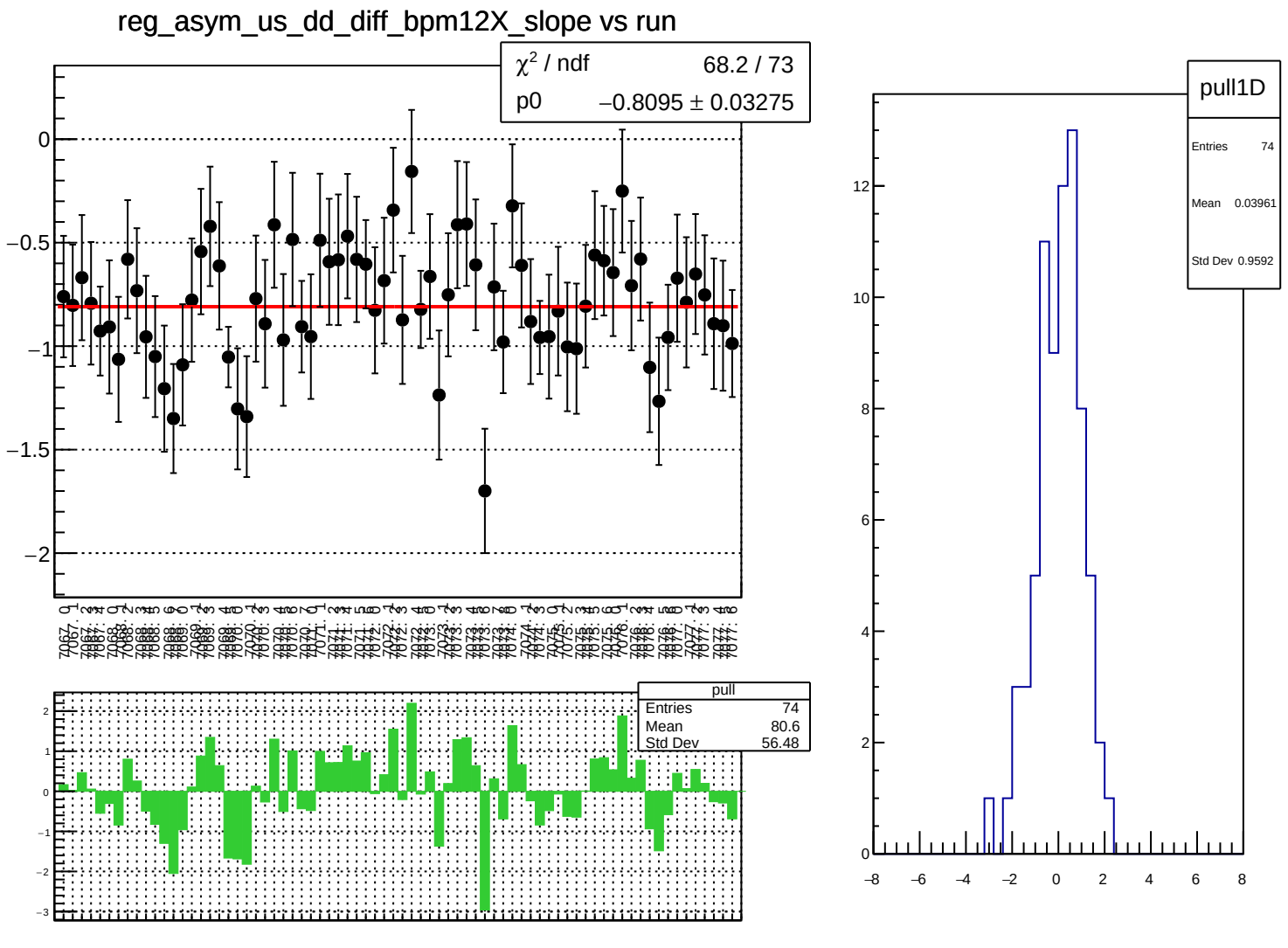

pull1D
Entries 74
Mean −0.03909
Std Dev 1.179

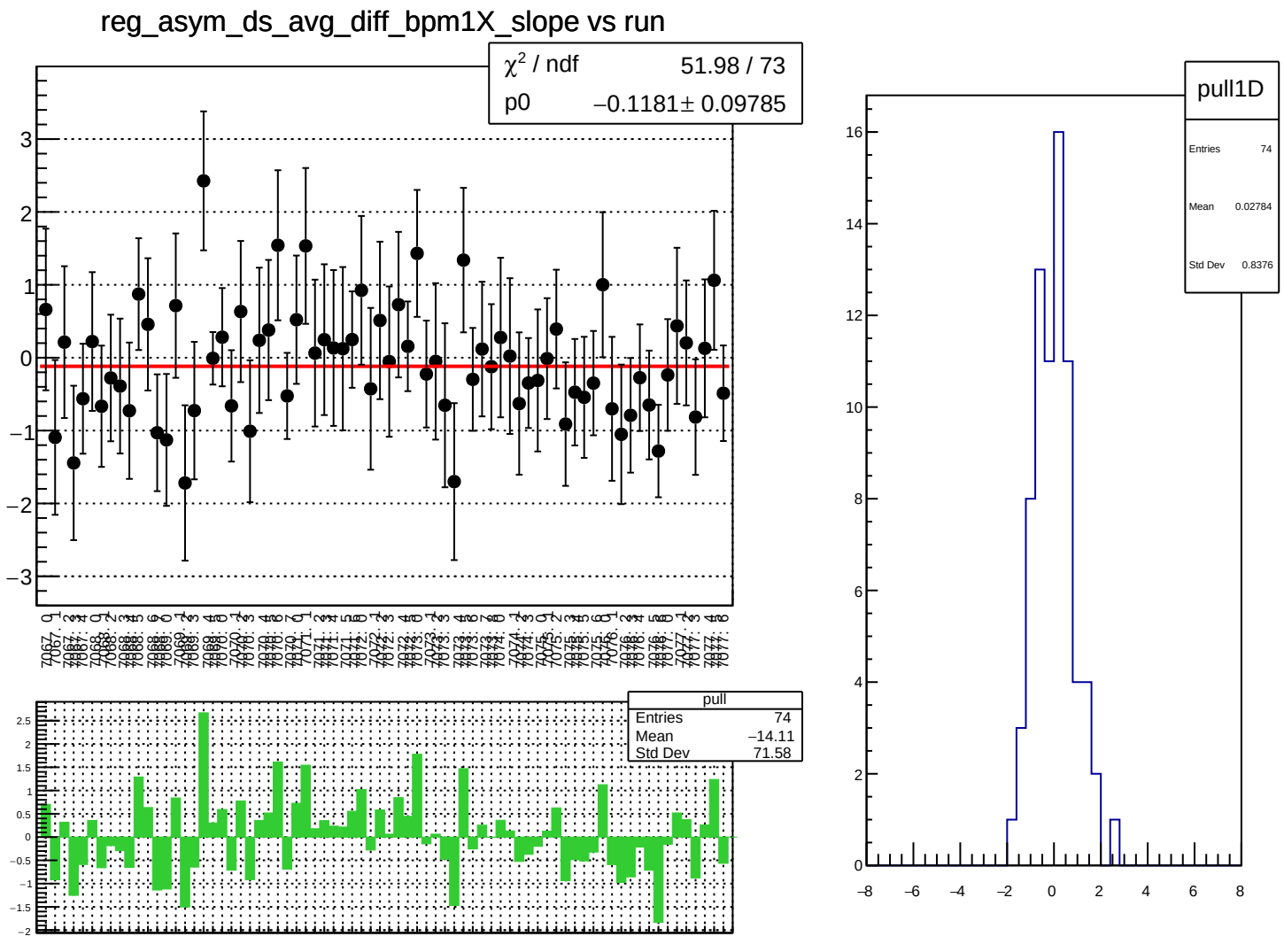

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 163 / 73
p0 −45.55 ± 0.8283
pull
Entries 74
Mean 20.81
Std Dev 15.2

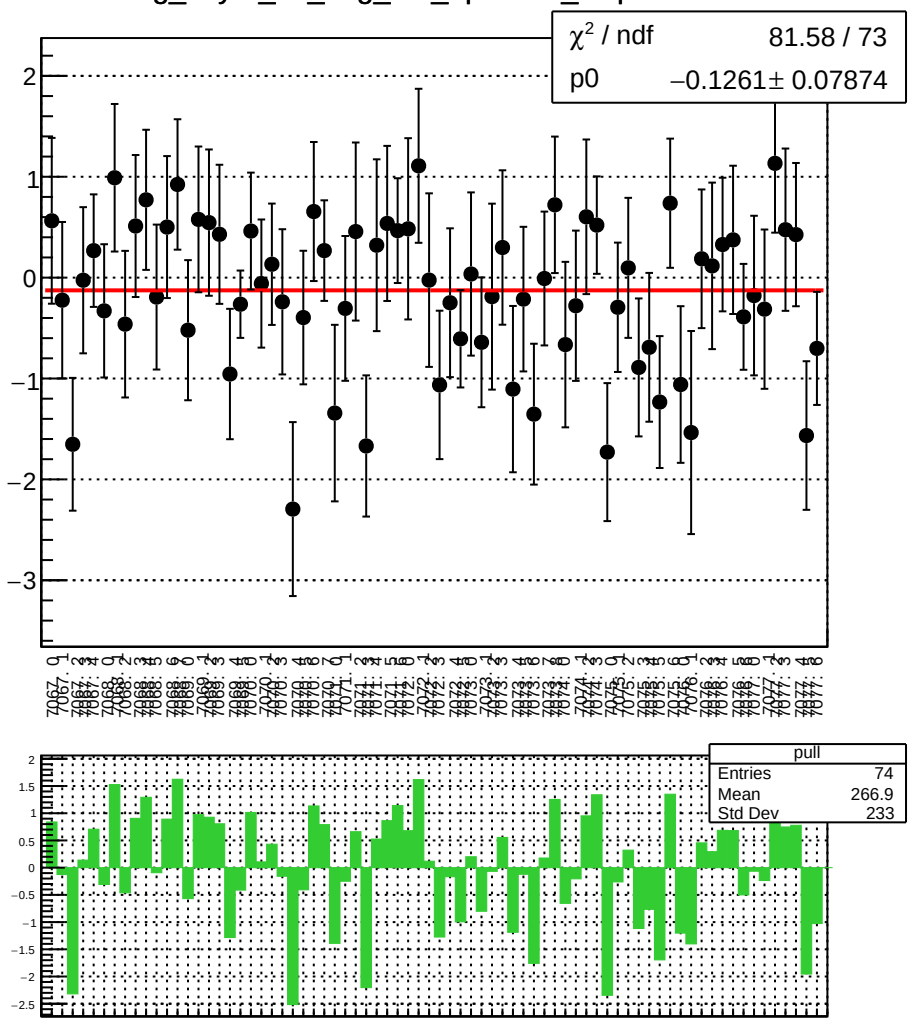

pull1D
Entries 74
Mean −0.226
Std Dev 1.467

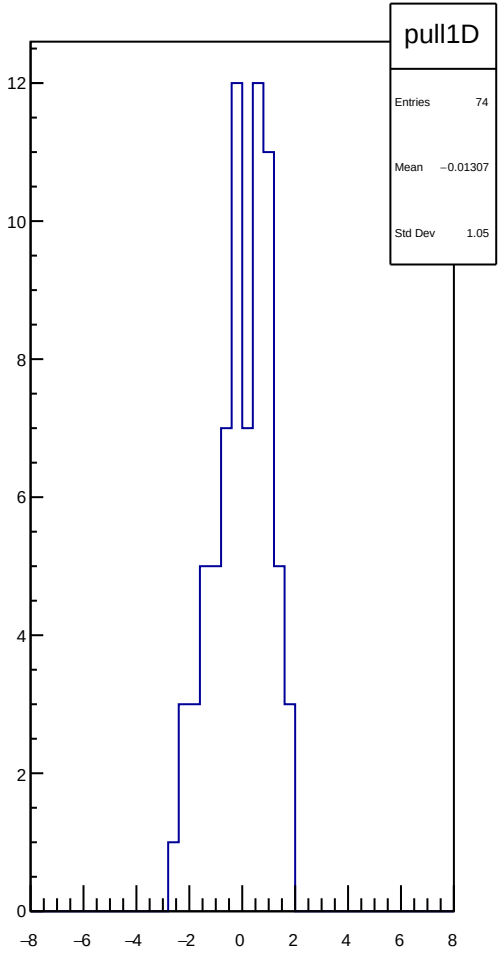

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 104.3 / 73
p0 −4.462 ± 0.7191
pull
Entries 74
Mean −35.44
Std Dev 83.21

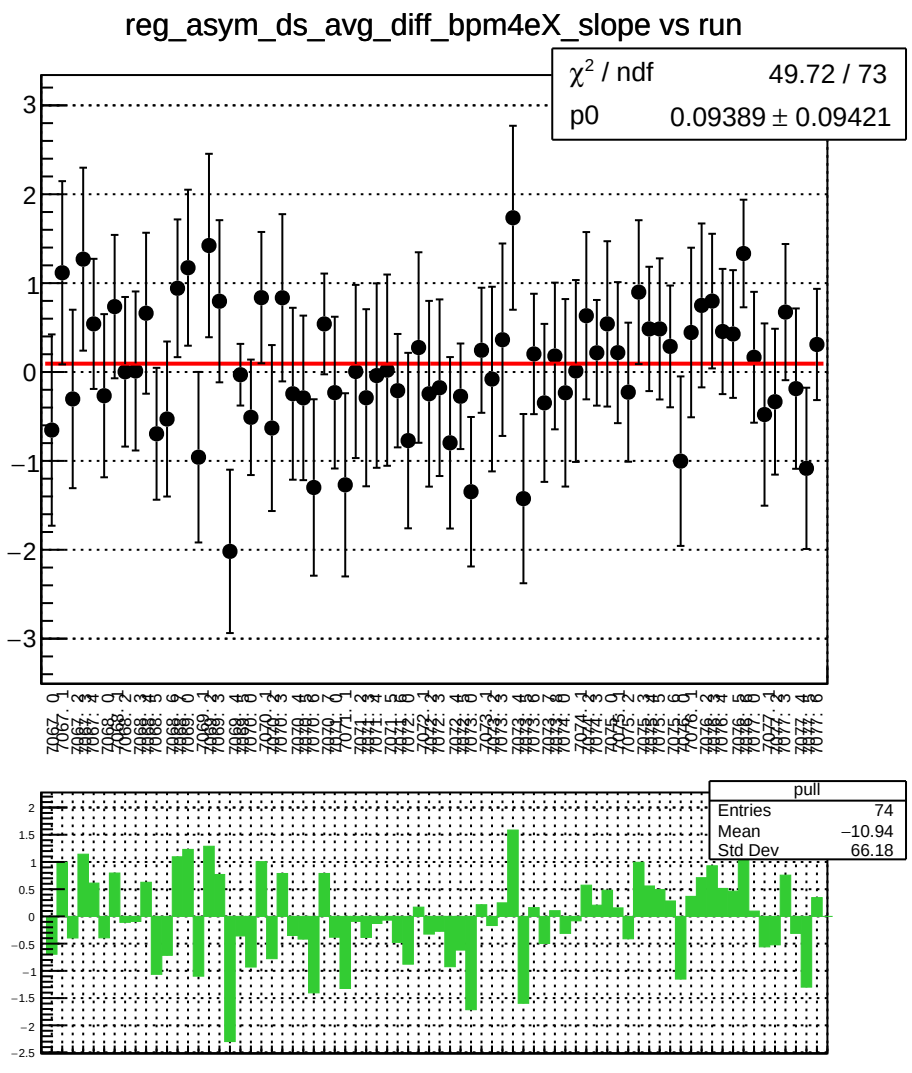

pull1D
Entries 74
Mean 0.05714
Std Dev 1.186

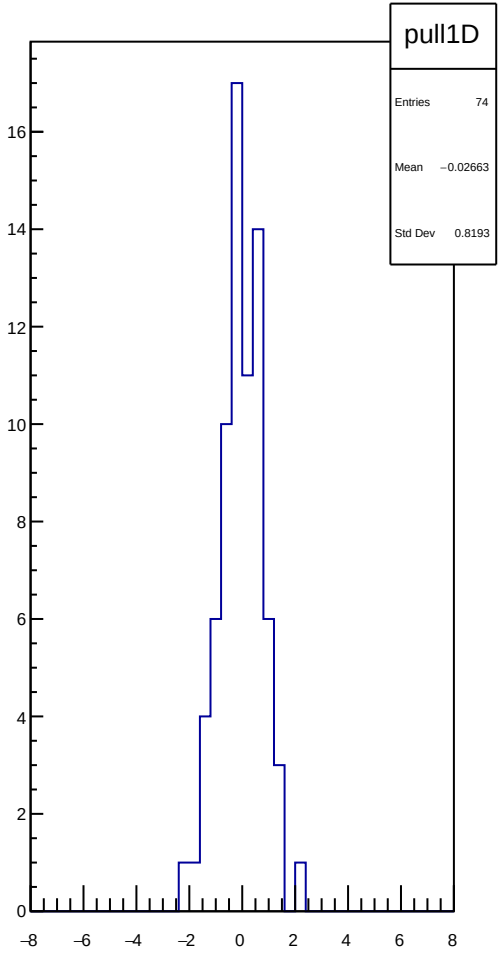

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 68.2 / 73
p0 −0.8095 ± 0.03275
pull
Entries 74
Mean 80.6
Std Dev 56.48
pull1D
Entries 74
Mean 0.03961
Std Dev 0.9592

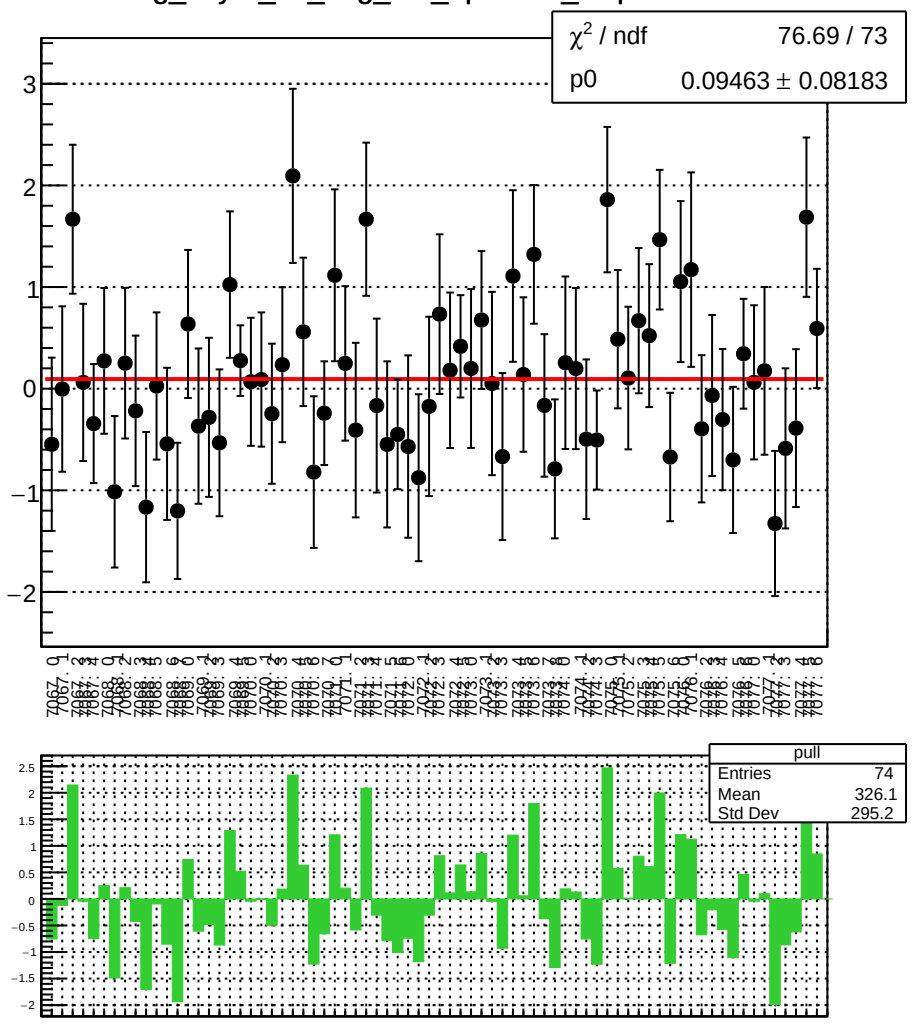

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 51.98 / 73
p0 −0.1181± 0.09785
pull
Entries 74
Mean −14.11
Std Dev 71.58
pull1D
Entries 74
Mean 0.02784
Std Dev 0.8376

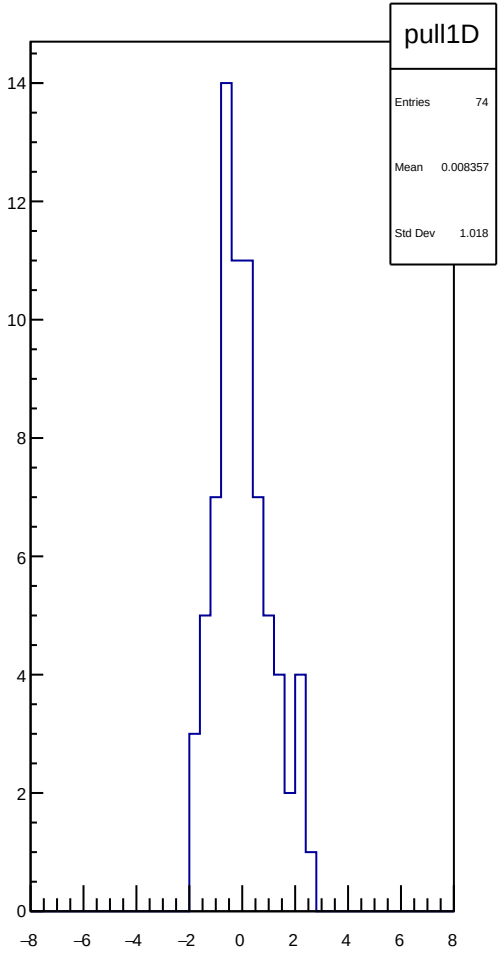

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 81.58 / 73
p0 −0.1261± 0.07874
pull
Entries 74
Mean 266.9
Std Dev 233

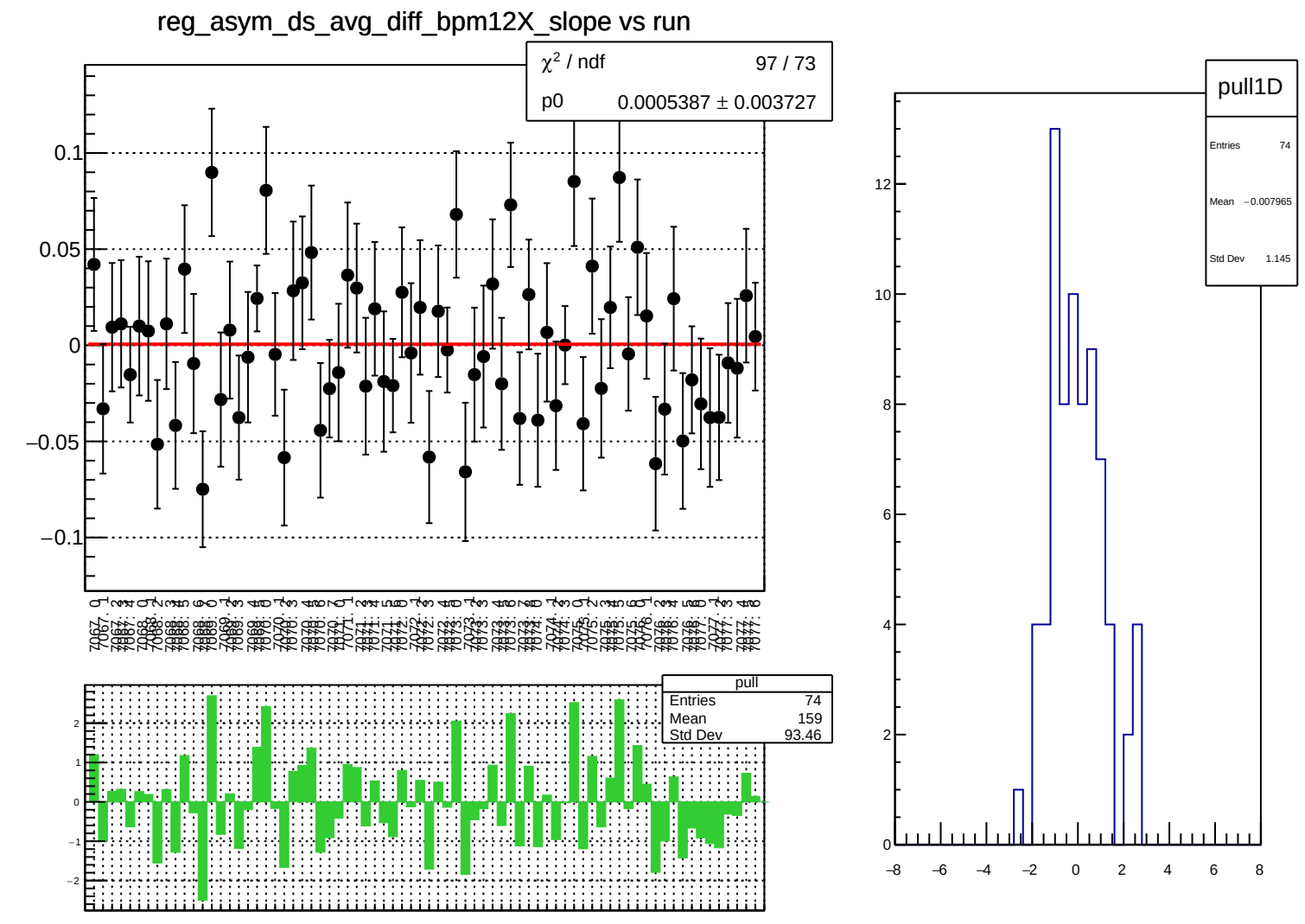

pull1D
Entries 74
Mean −0.01307
Std Dev 1.05

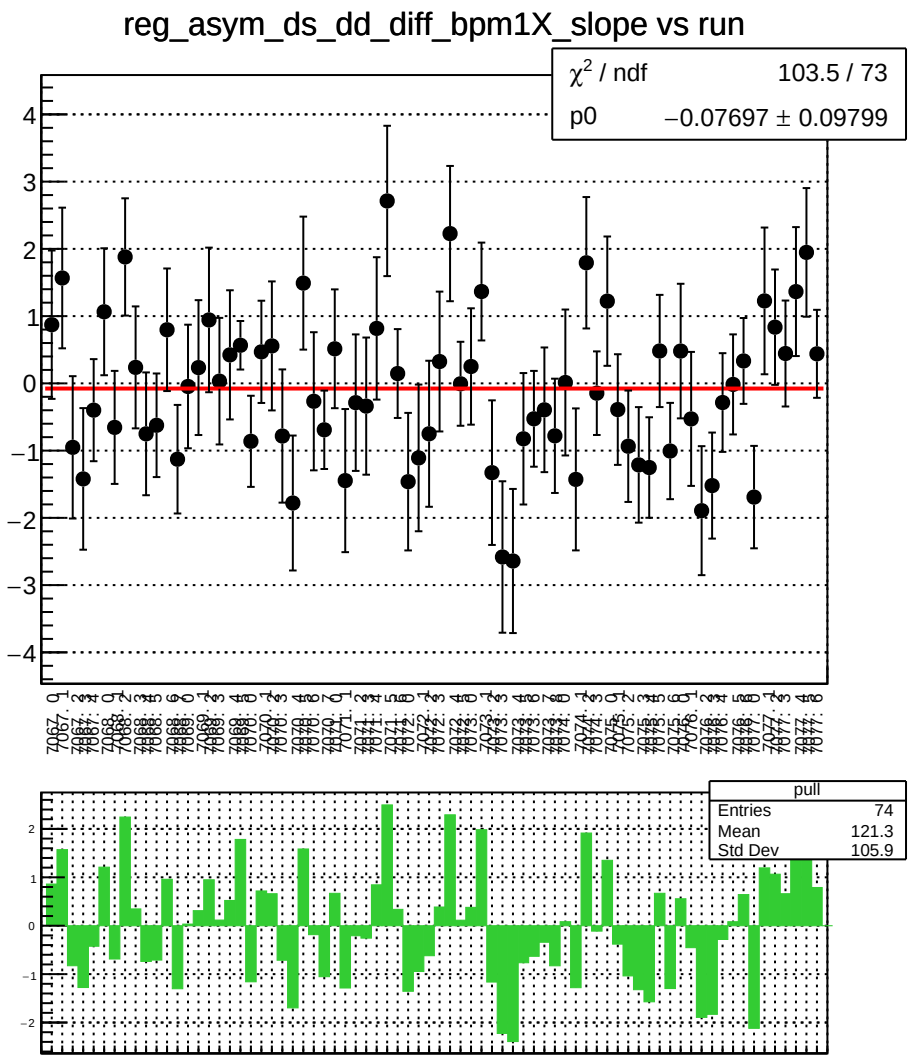

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.72 / 73
p0 0.09389 ± 0.09421
pull
Entries 74
Mean −10.94
Std Dev 66.18

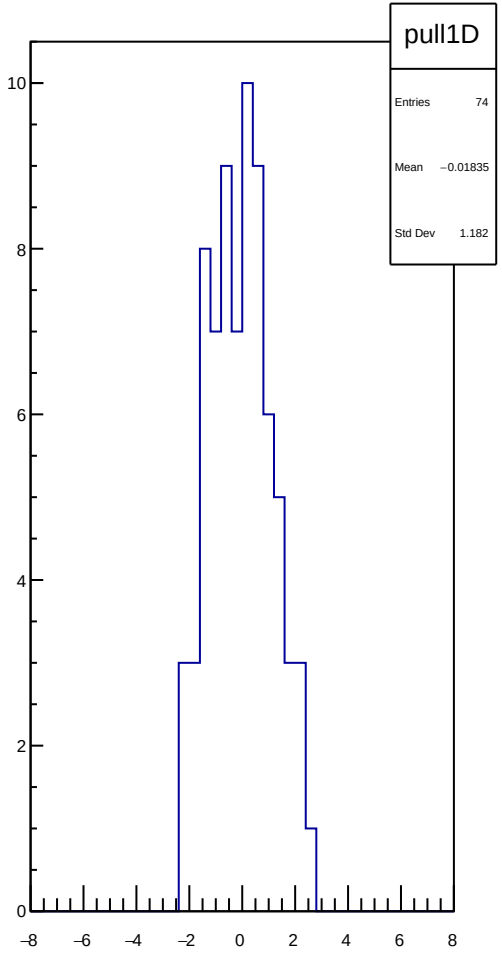

pull1D
Entries 74
Mean −0.02663
Std Dev 0.8193

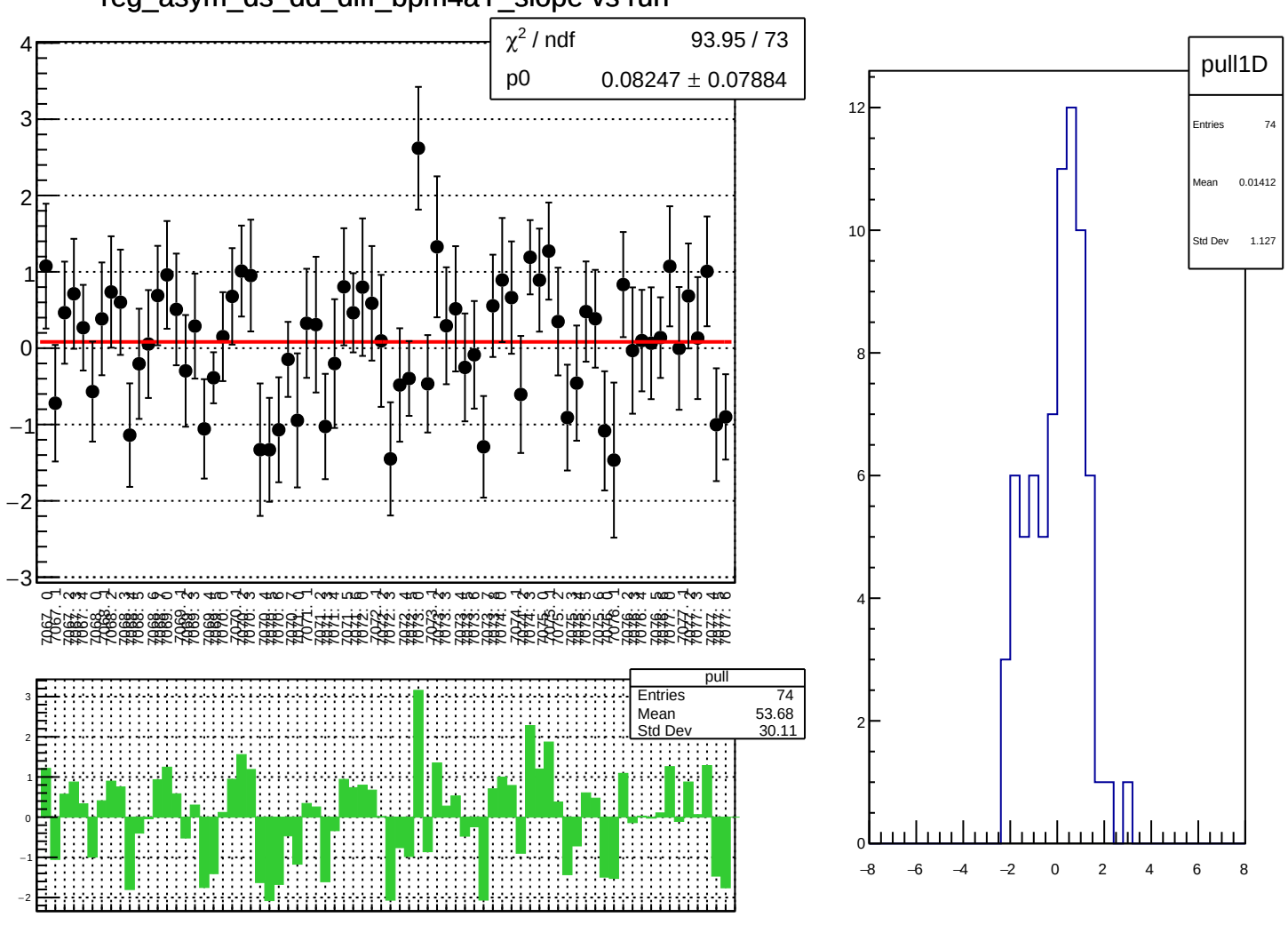

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.69 / 73
p0 0.09463 ± 0.08183
pull
Entries 74
Mean 326.1
Std Dev 295.2

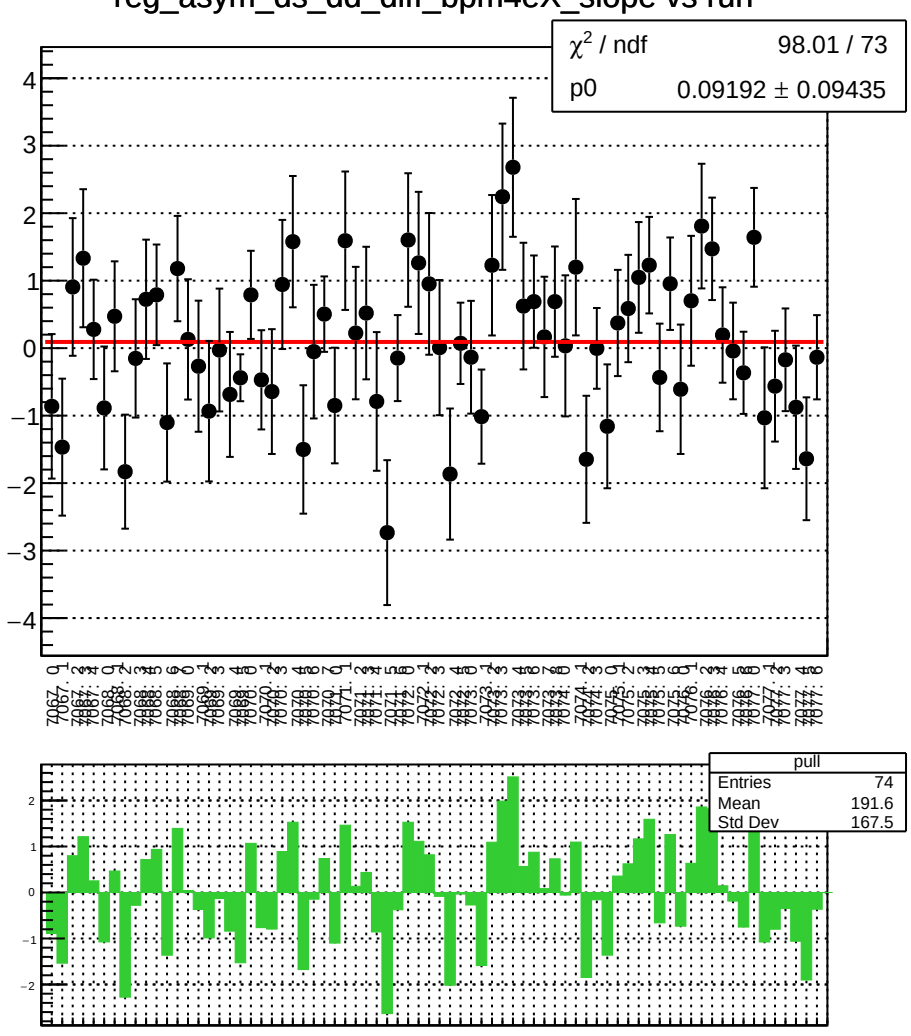

pull1D
Entries 74
Mean 0.008357
Std Dev 1.018

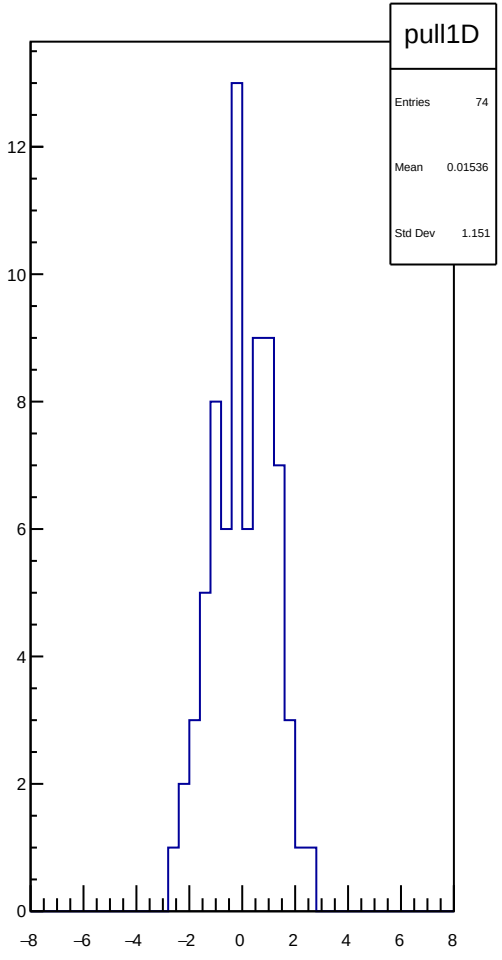

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 97 / 73
p0 0.0005387 ± 0.003727
pull
Entries 74
Mean 159
Std Dev 93.46
pull1D
Entries 74
Mean −0.007965
Std Dev 1.145

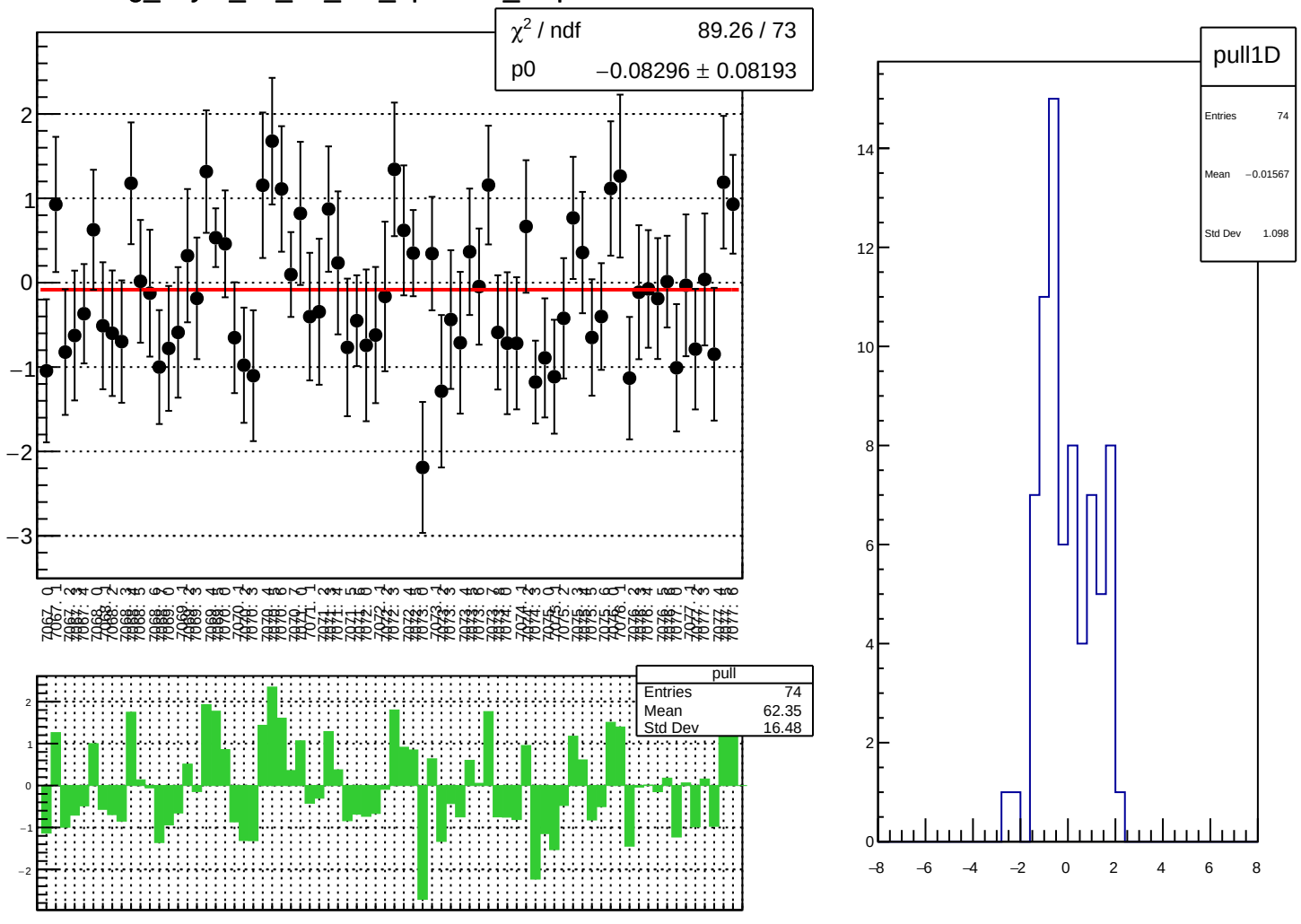

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 103.5 / 73
p0 −0.07697 ± 0.09799
pull
Entries 74
Mean 121.3
Std Dev 105.9

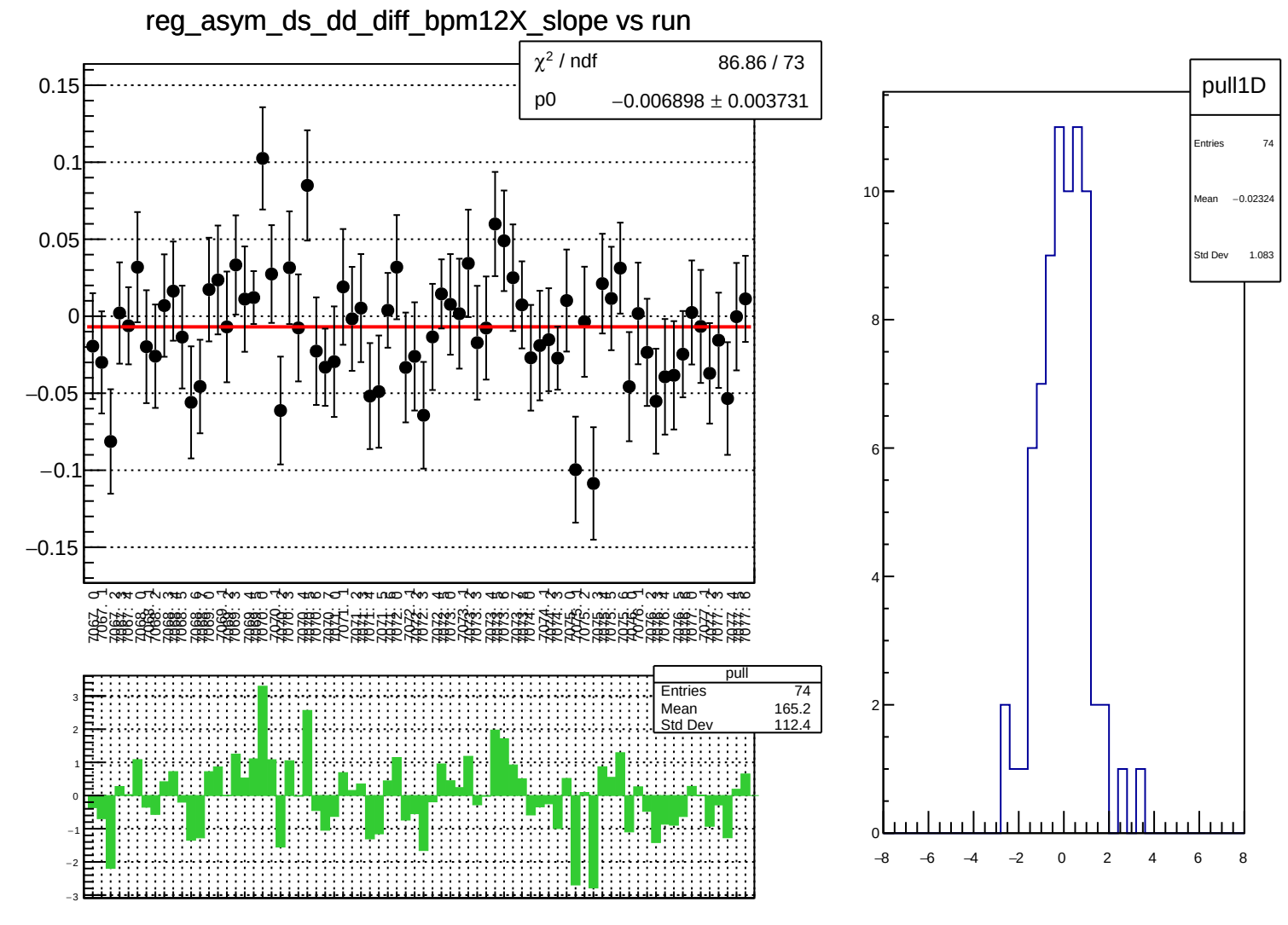

pull1D
Entries 74
Mean −0.01835
Std Dev 1.182

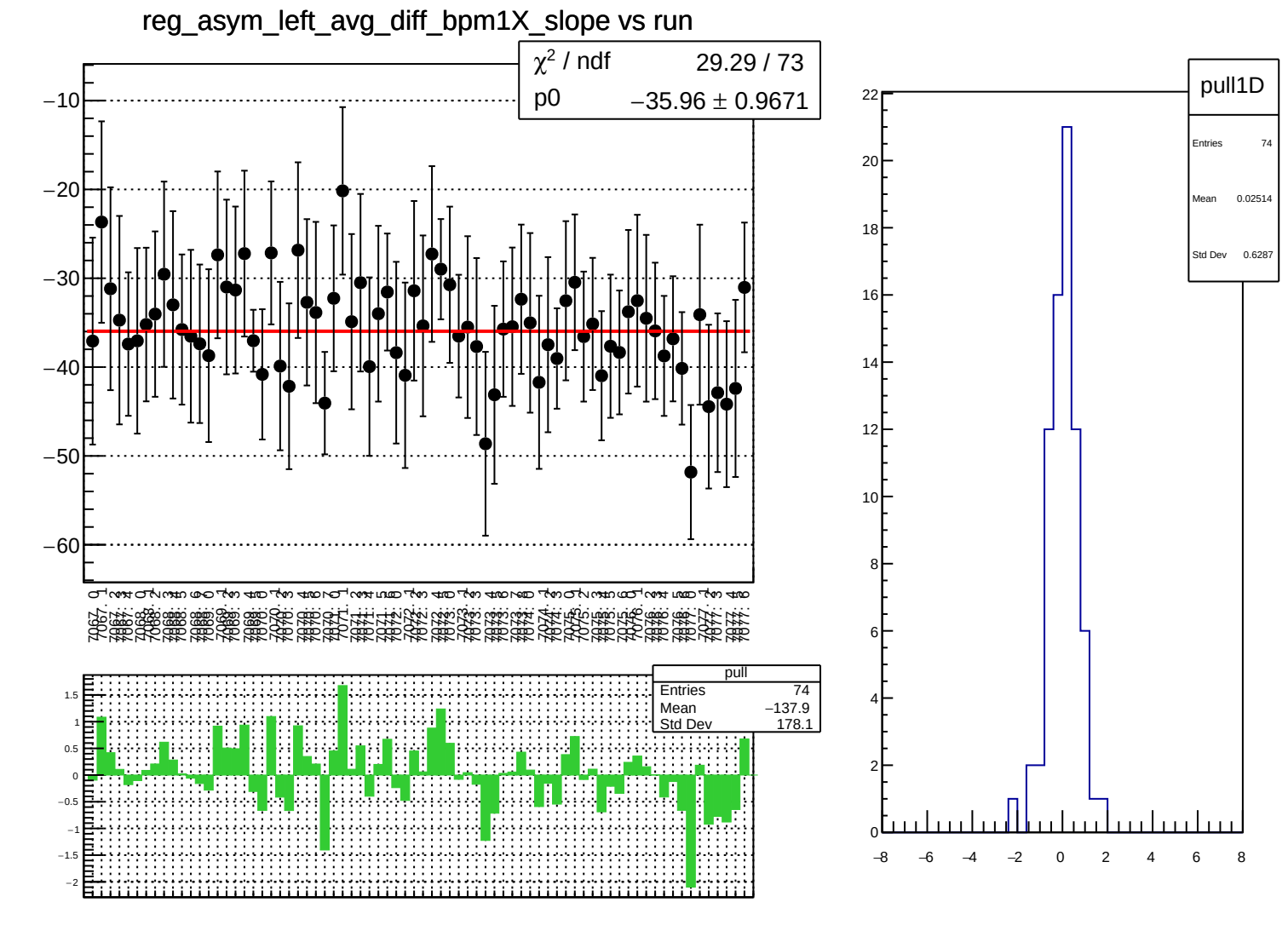

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.95 / 73
p0 0.08247 ± 0.07884
pull
Entries 74
Mean 53.68
Std Dev 30.11
pull1D
Entries 74
Mean 0.01412
Std Dev 1.127

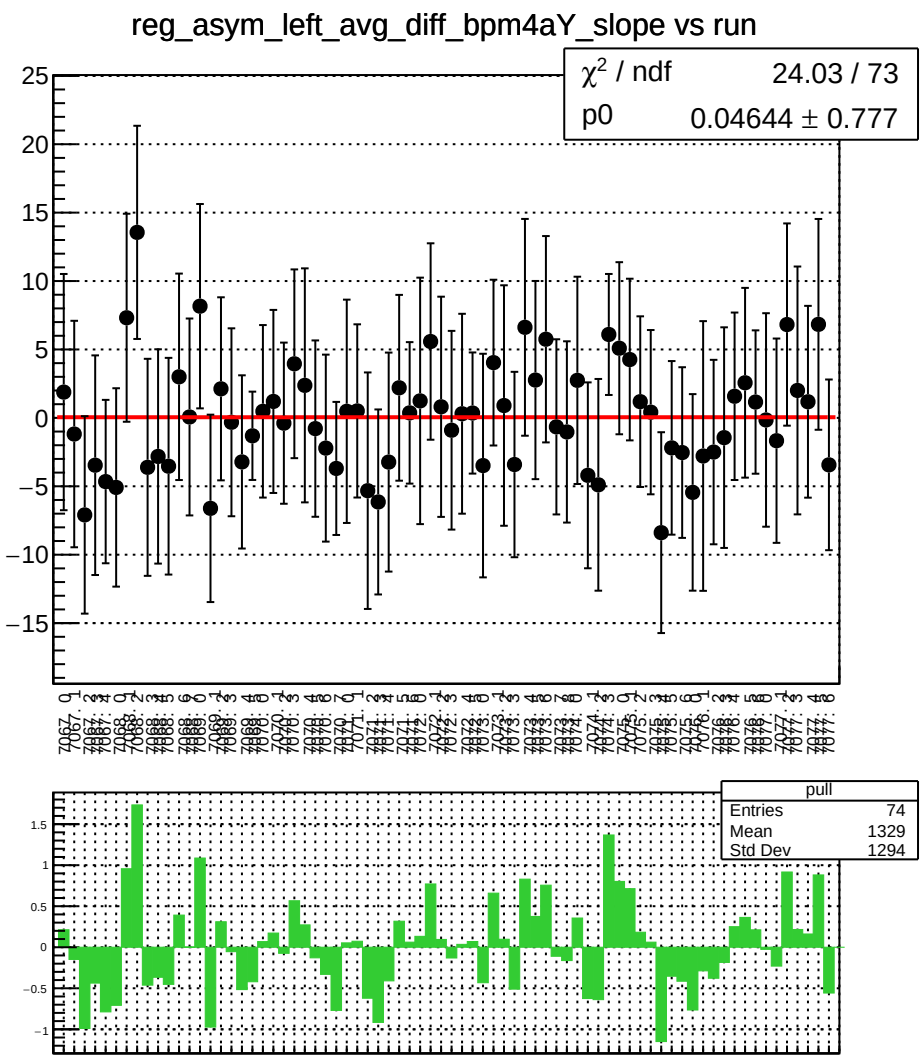

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 98.01 / 73
p0 0.09192 ± 0.09435
pull
Entries 74
Mean 191.6
Std Dev 167.5

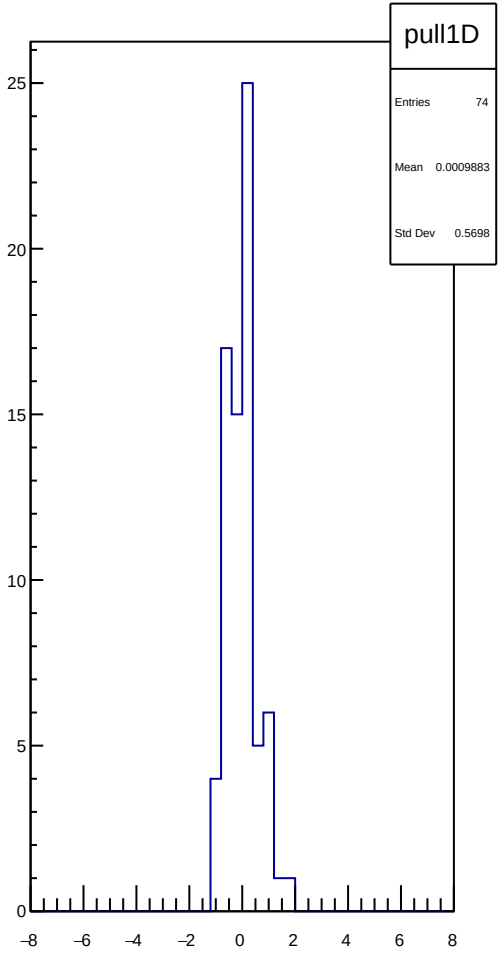

pull1D
Entries 74
Mean 0.01536
Std Dev 1.151

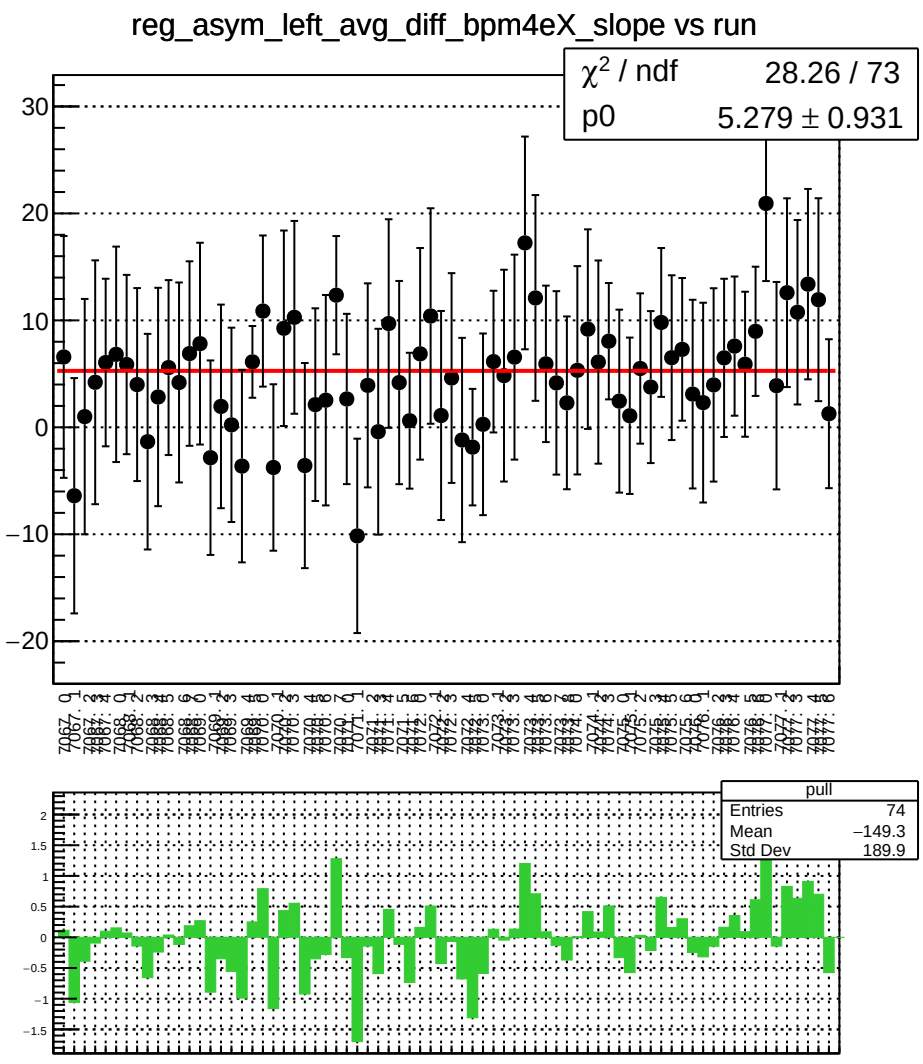

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.26 / 73
p0 −0.08296 ± 0.08193
pull
Entries 74
Mean 62.35
Std Dev 16.48
pull1D
Entries 74
Mean −0.01567
Std Dev 1.098

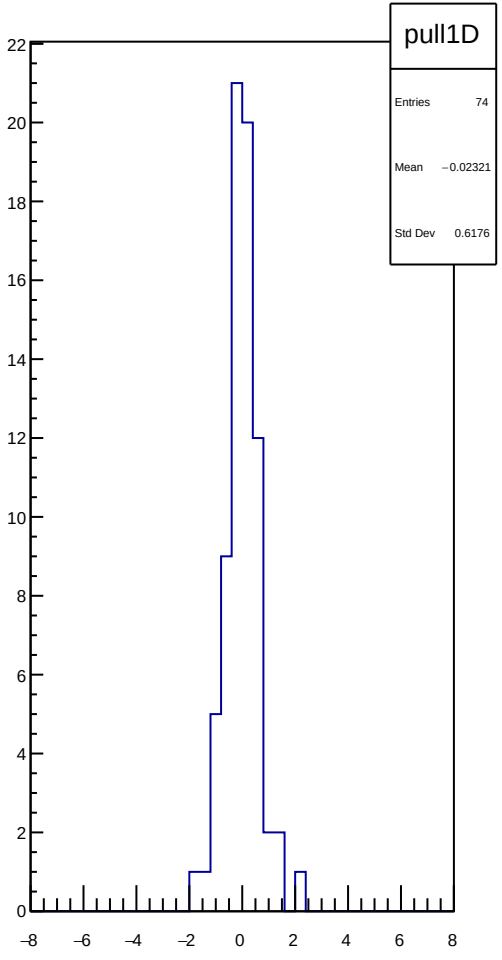

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 86.86 / 73
p0 −0.006898 ± 0.003731
pull
Entries 74
Mean 165.2
Std Dev 112.4
pull1D
Entries 74
Mean −0.02324
Std Dev 1.083

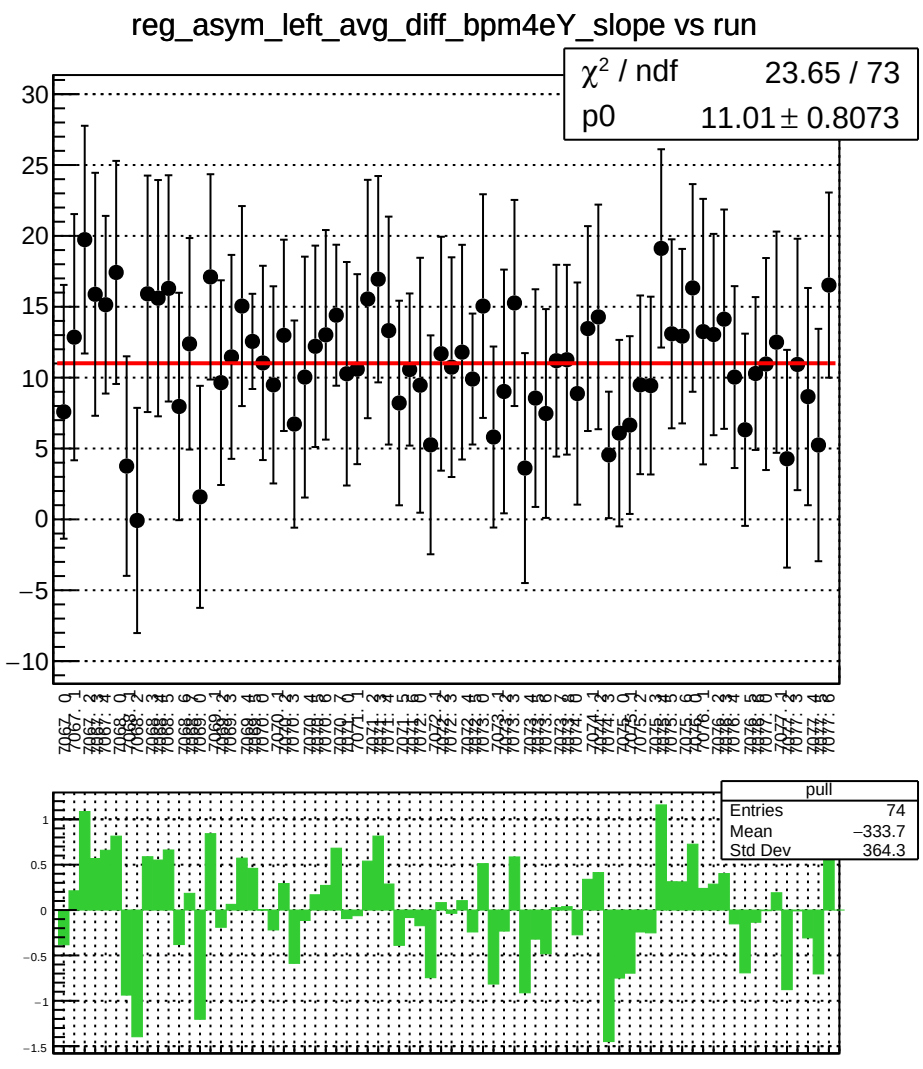

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 29.29 / 73
p0 −35.96 ± 0.9671
pull
Entries 74
Mean −137.9
Std Dev 178.1
pull1D
Entries 74
Mean 0.02514
Std Dev 0.6287

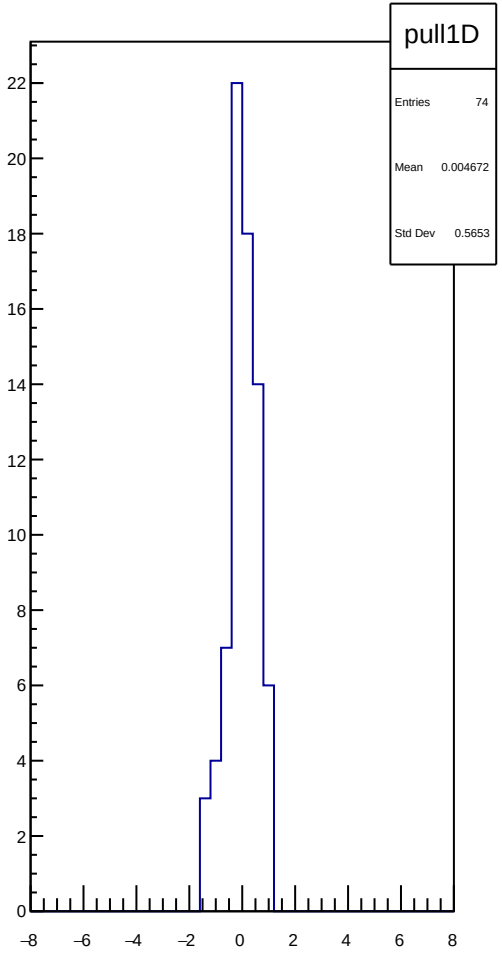

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.03 / 73
p0 0.04644 ± 0.777
pull
Entries 74
Mean 1329
Std Dev 1294

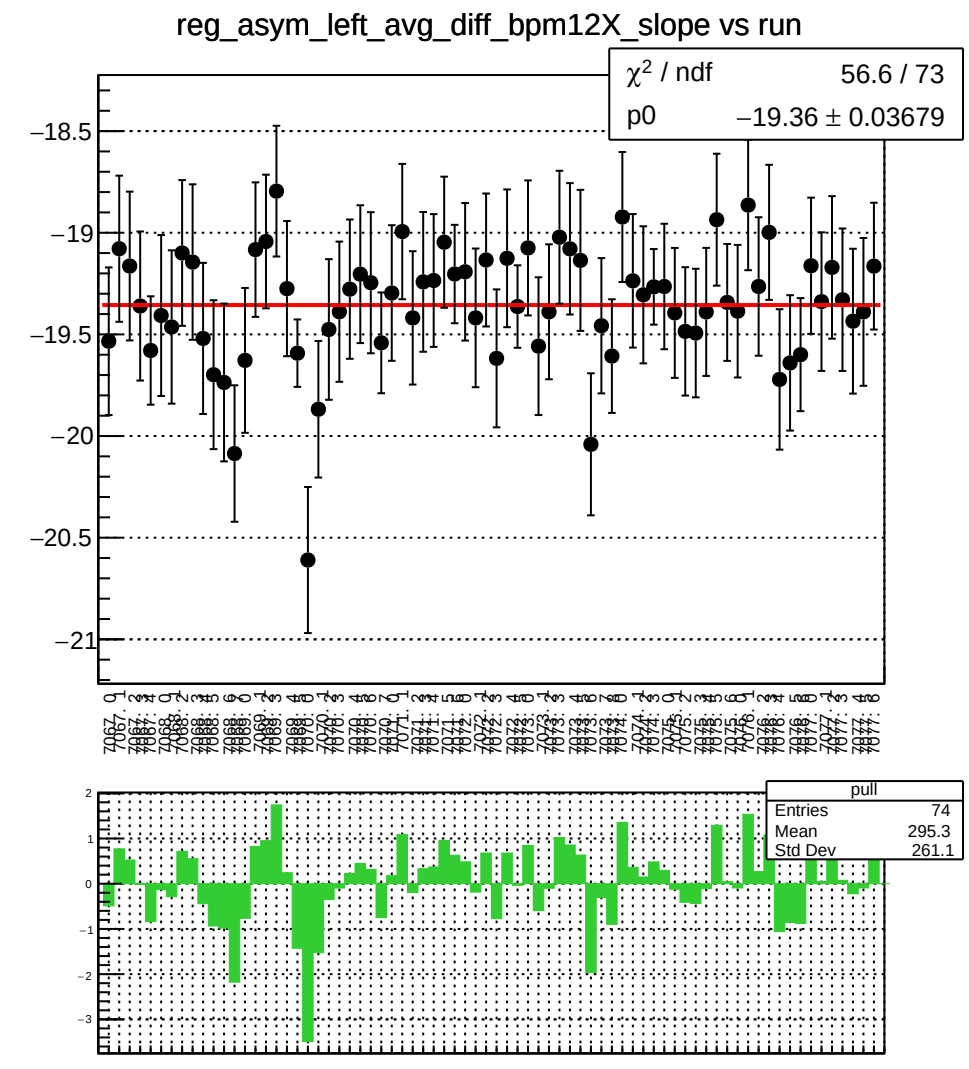

pull1D
Entries 74
Mean 0.0009883
Std Dev 0.5698

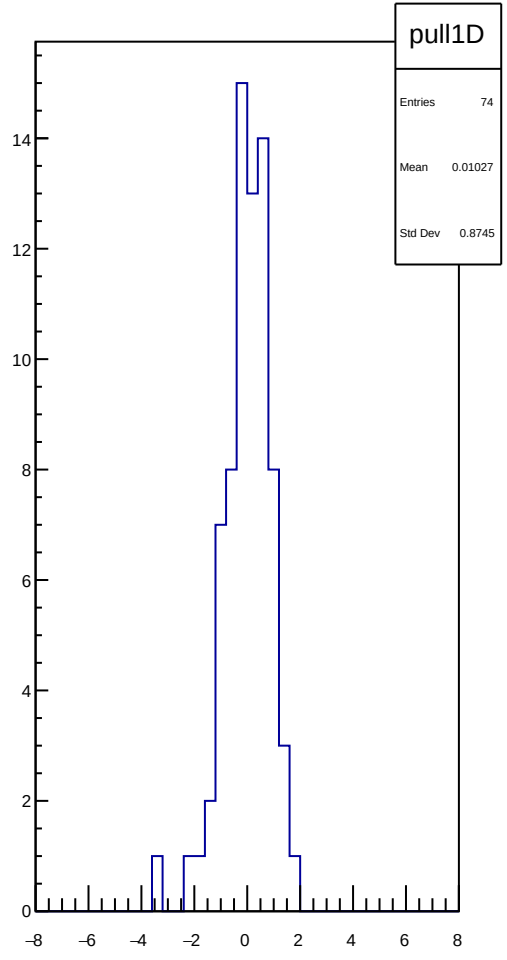

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.26 / 73
p0 5.279 ± 0.931
pull
Entries 74
Mean −149.3
Std Dev 189.9

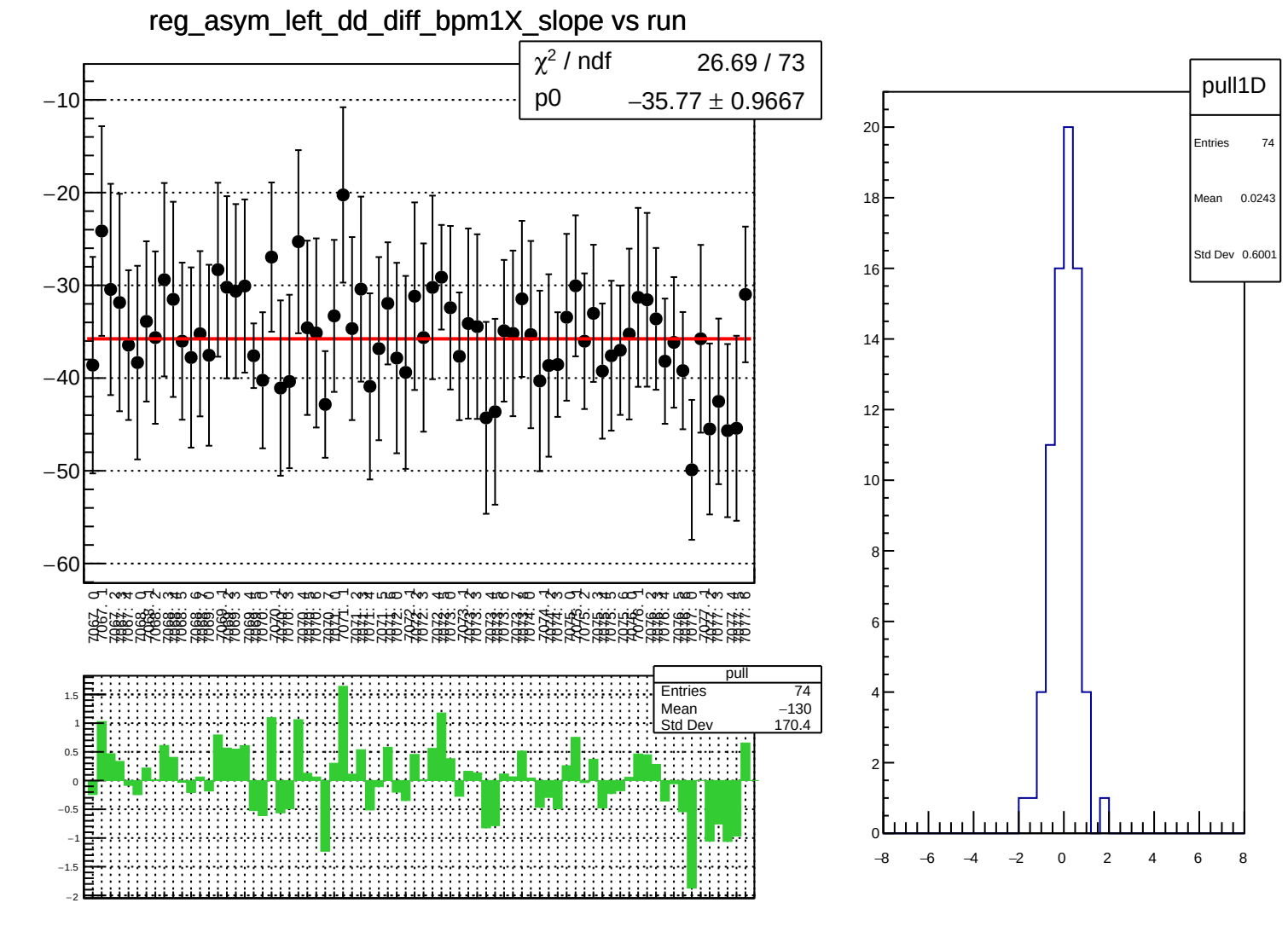

pull1D
Entries 74
Mean −0.02321
Std Dev 0.6176

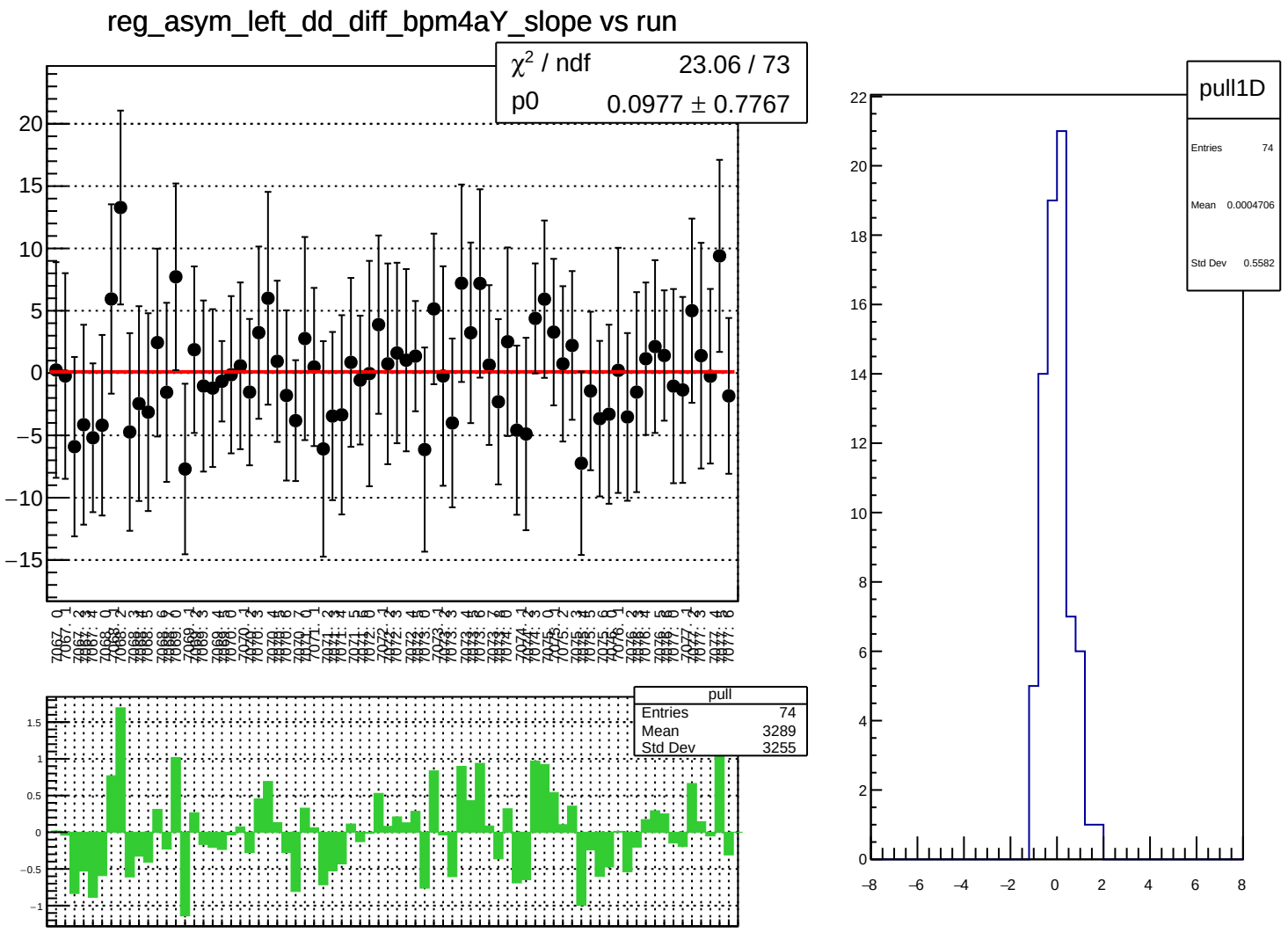

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.65 / 73
p0 11.01 ± 0.8073
pull
Entries 74
Mean −333.7
Std Dev 364.3

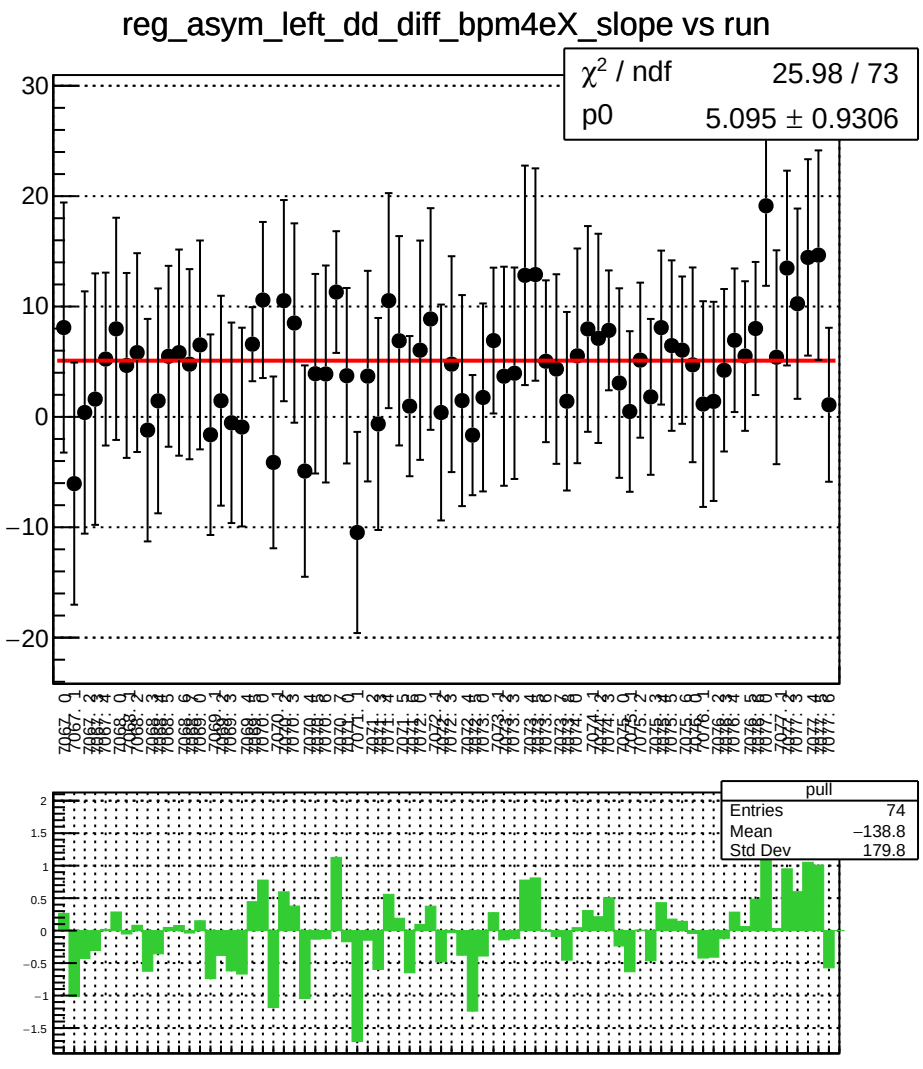

pull1D
Entries 74
Mean 0.004672
Std Dev 0.5653

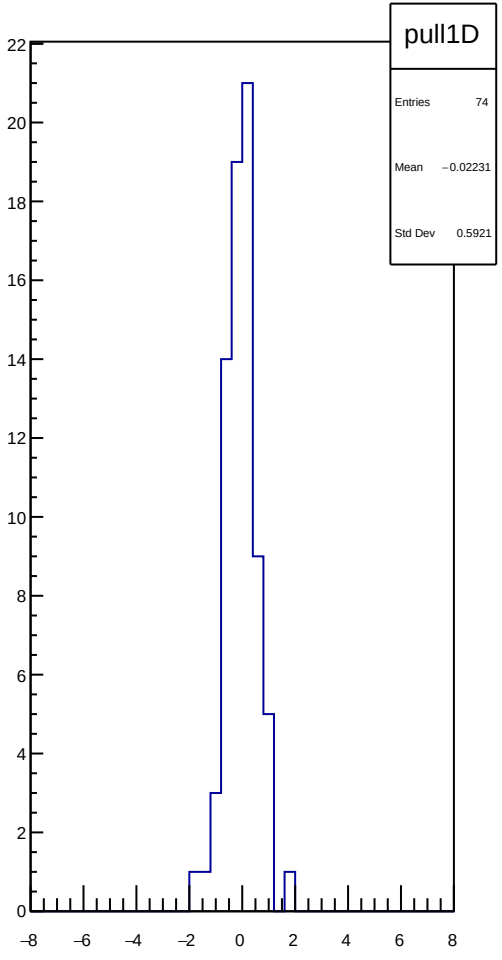

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 56.6 / 73
p0 −19.36 ± 0.03679
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 74
Mean 295.3
Std Dev 261.1
2
1
0
−1
−2
−3

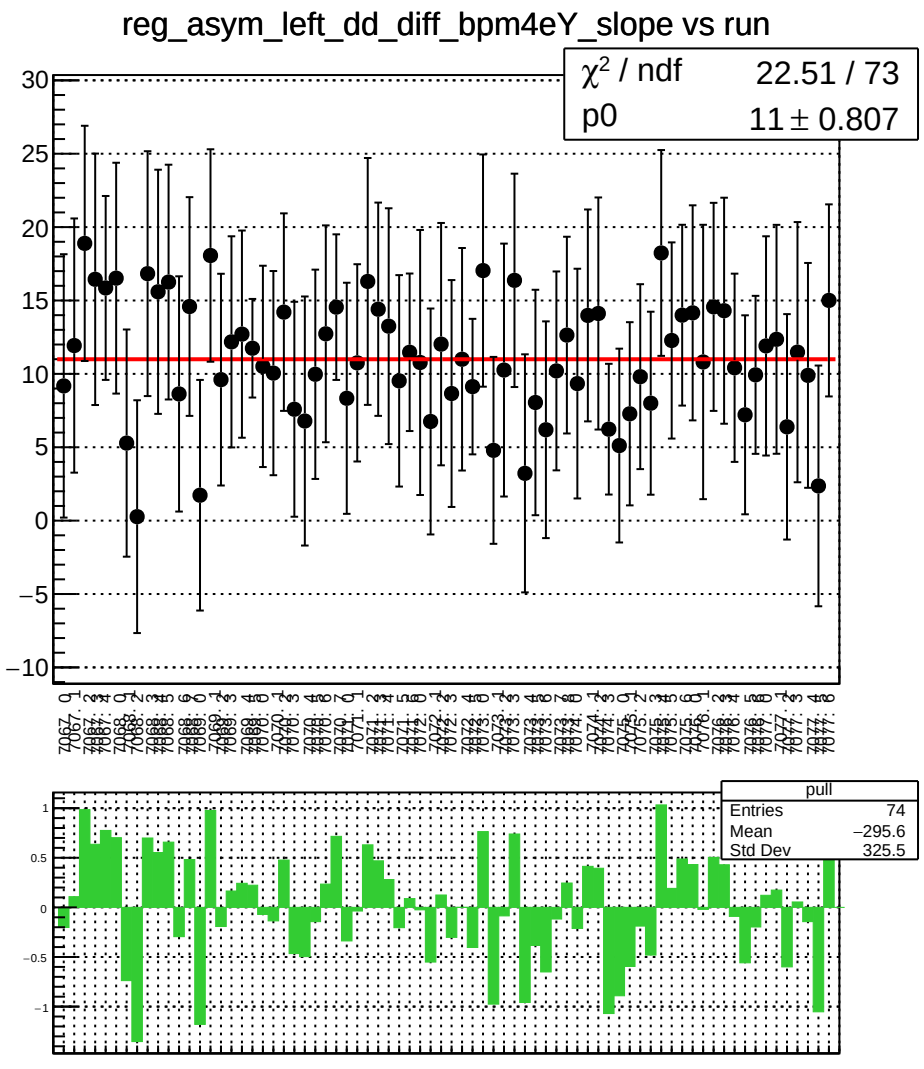

pull1D
Entries 74
Mean 0.01027
Std Dev 0.8745
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

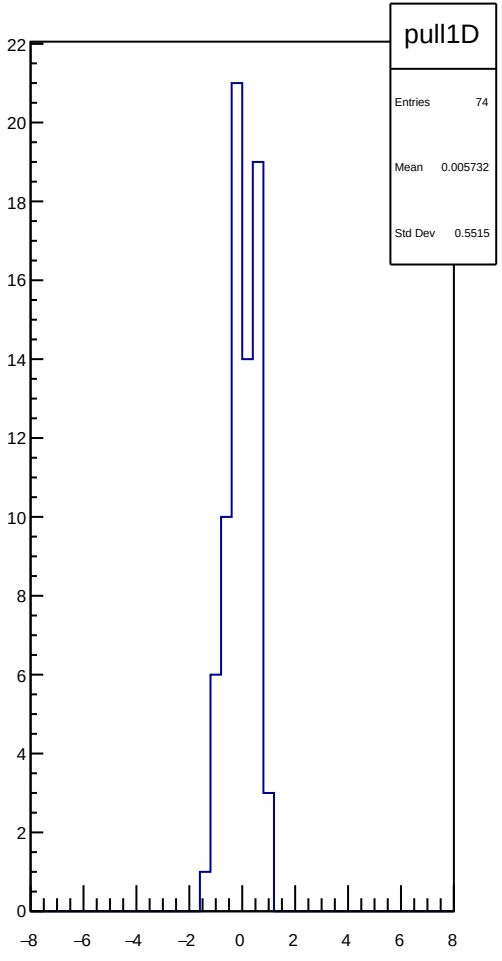

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 26.69 / 73
p0 −35.77 ± 0.9667
pull
Entries 74
Mean −130
Std Dev 170.4
pull1D
Entries 74
Mean 0.0243
Std Dev 0.6001

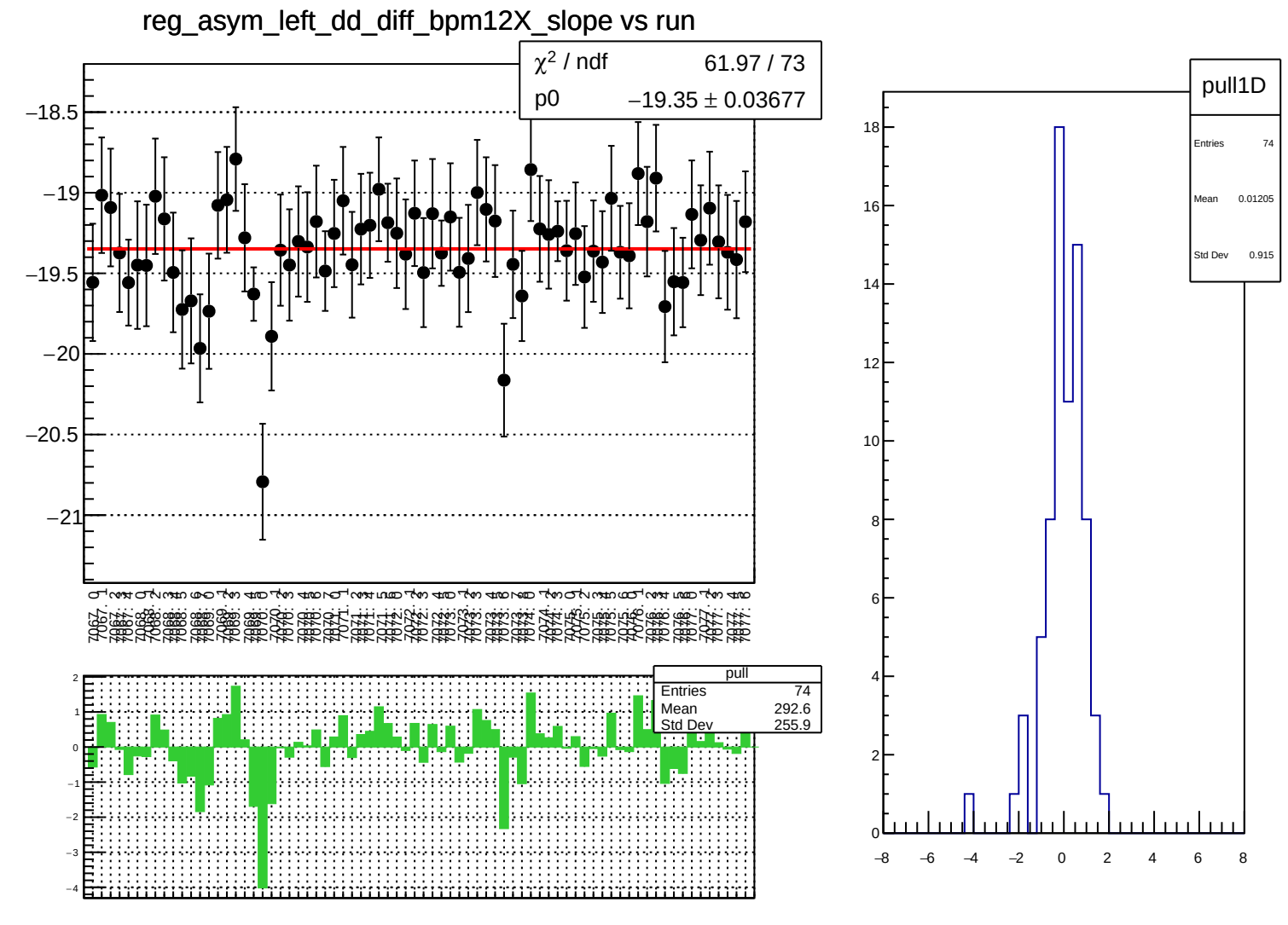

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.06 / 73
p0 0.0977 ± 0.7767
pull
Entries 74
Mean 3289
Std Dev 3255
pull1D
Entries 74
Mean 0.0004706
Std Dev 0.5582

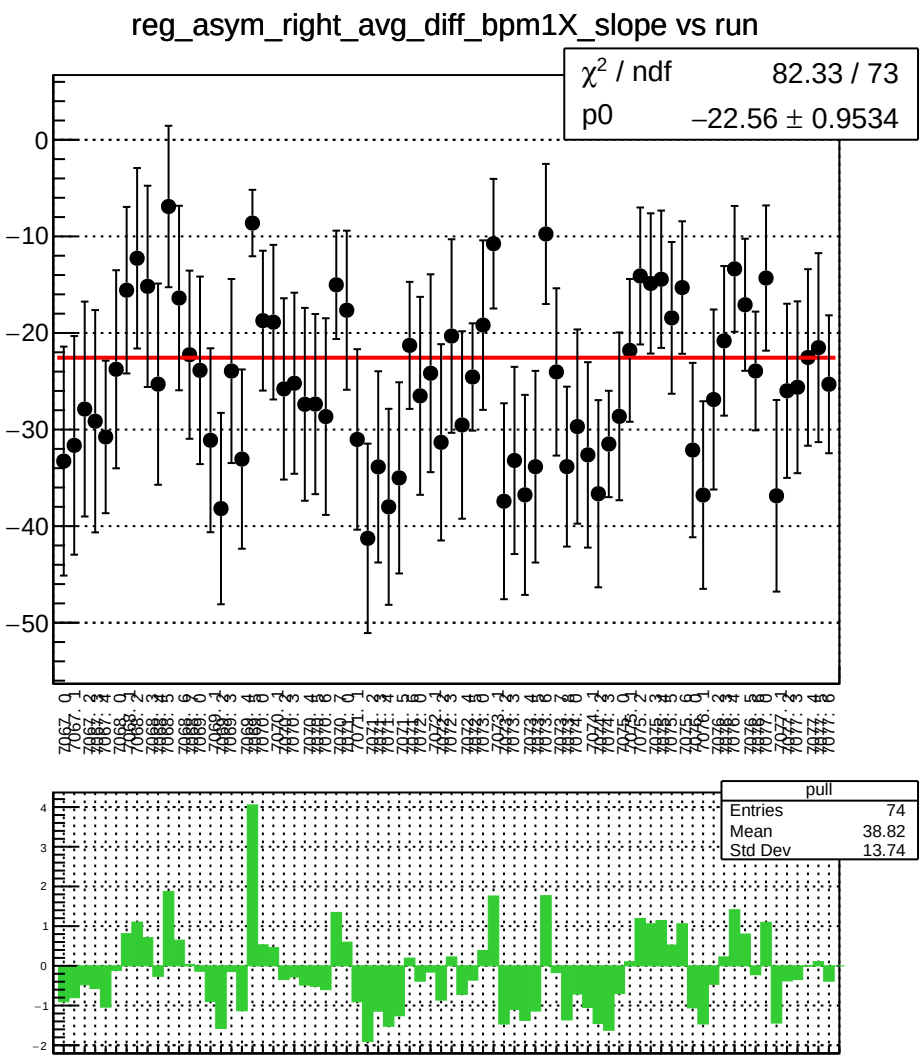

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.98 / 73
p0 5.095 ± 0.9306
pull
Entries 74
Mean −138.8
Std Dev 179.8

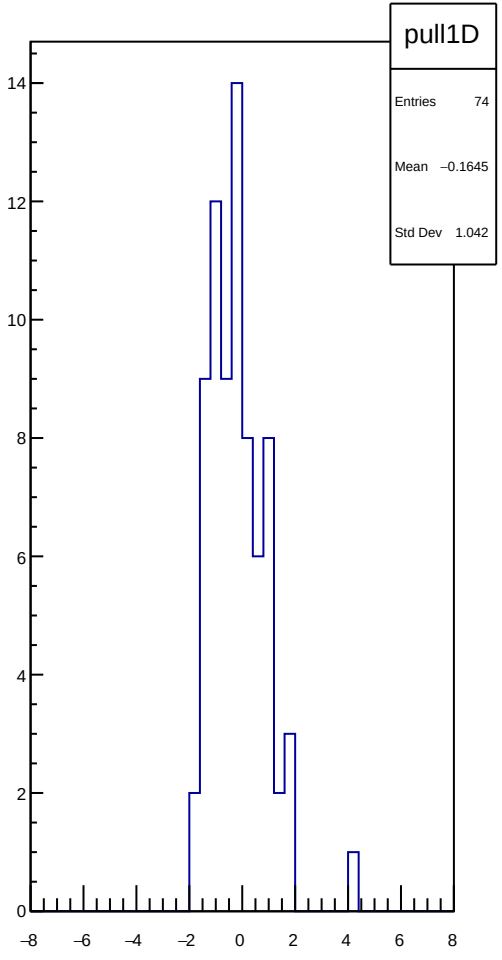

pull1D
Entries 74
Mean −0.02231
Std Dev 0.5921

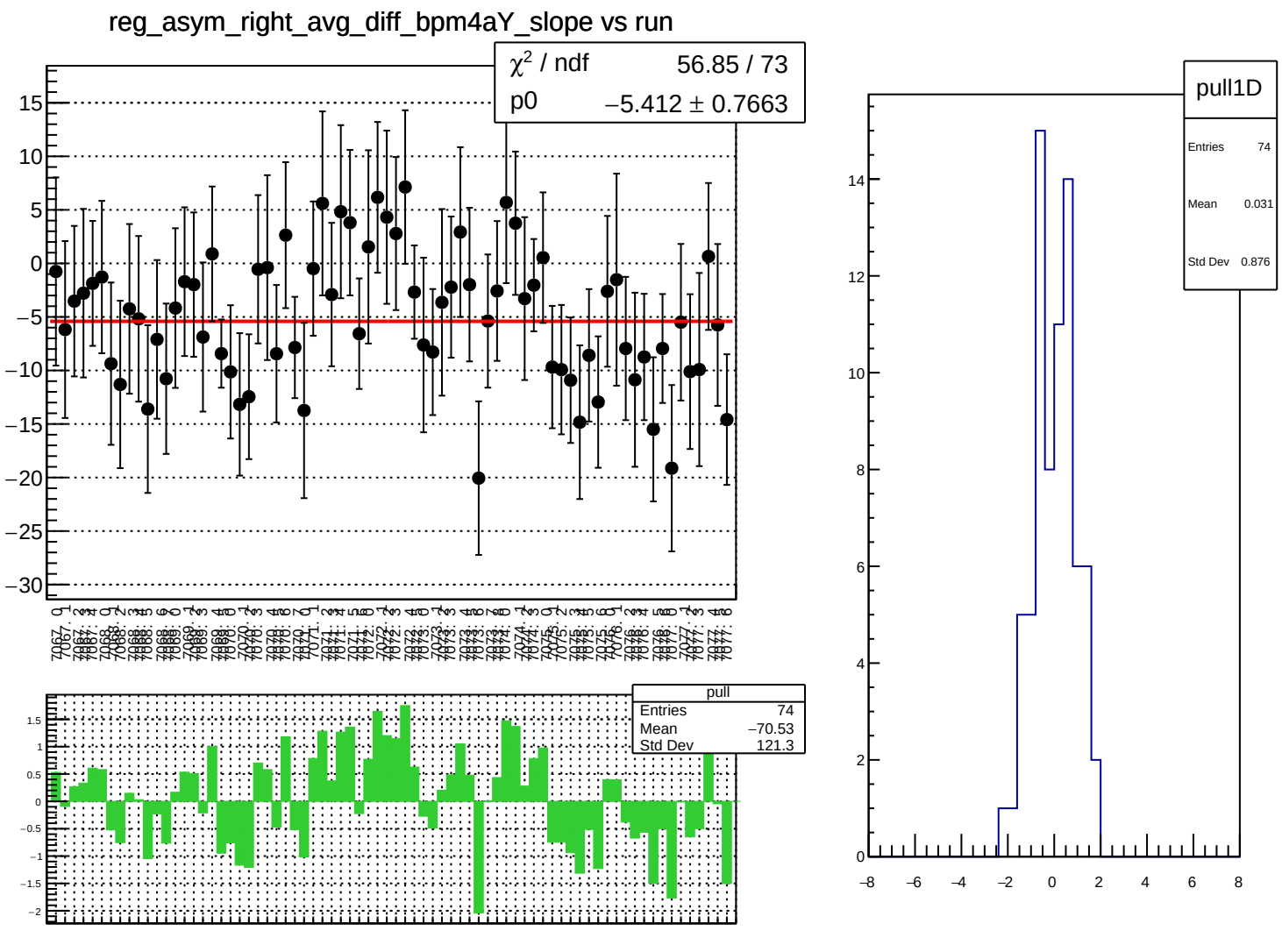

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.51 / 73
p0 11 ± 0.807
pull
Entries 74
Mean −295.6
Std Dev 325.5

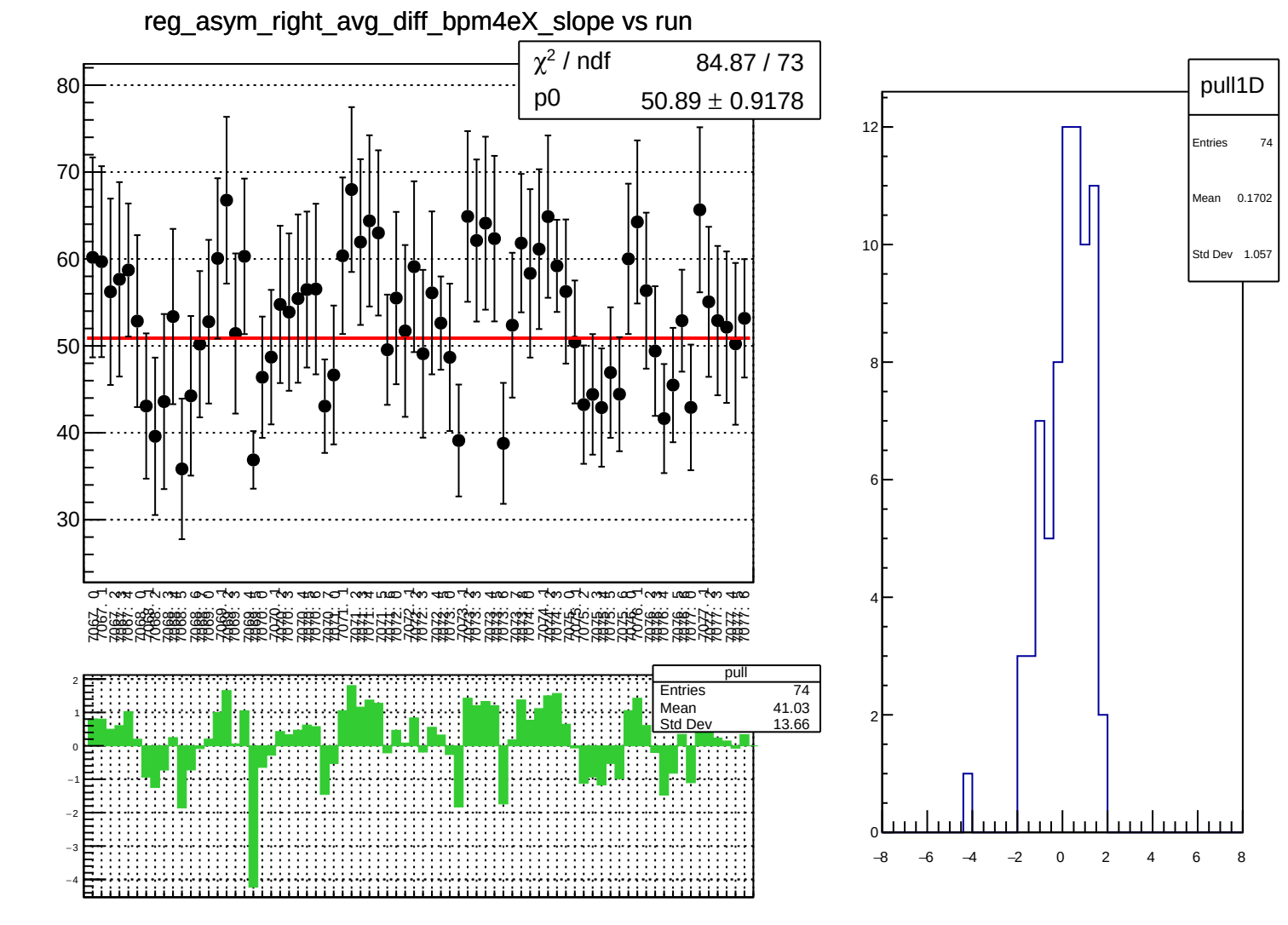

pull1D
Entries 74
Mean 0.005732
Std Dev 0.5515

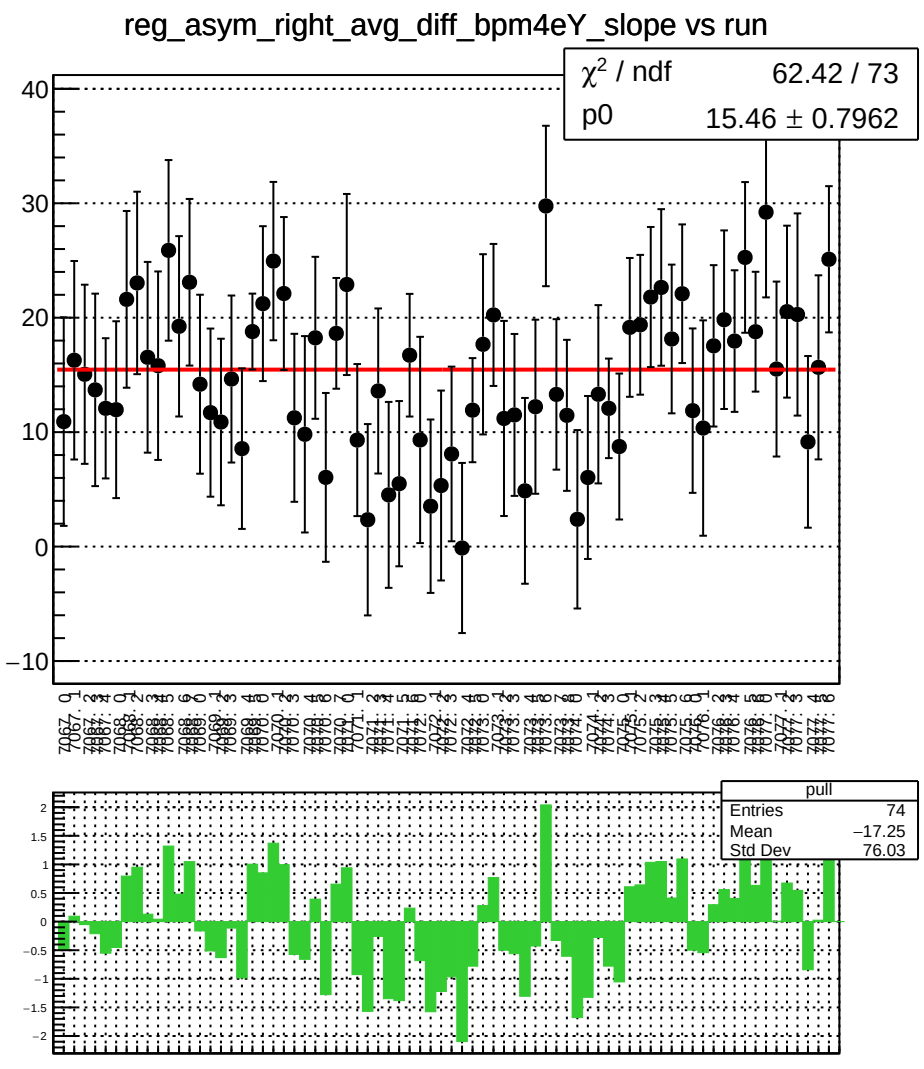

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 61.97 / 73
p0 −19.35 ± 0.03677
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 74
Mean 292.6
Std Dev 255.9
pull1D
Entries 74
Mean 0.01205
Std Dev 0.915

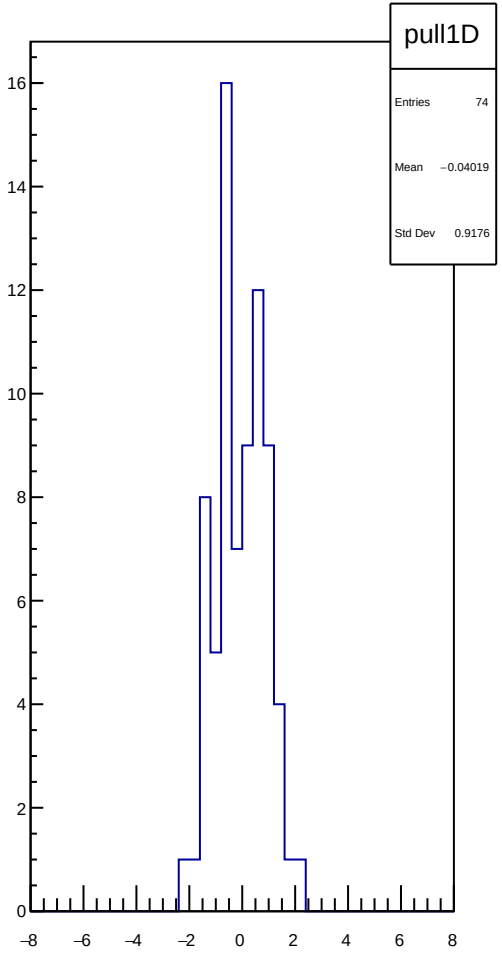

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 82.33 / 73
p0 −22.56 ± 0.9534
pull
Entries 74
Mean 38.82
Std Dev 13.74

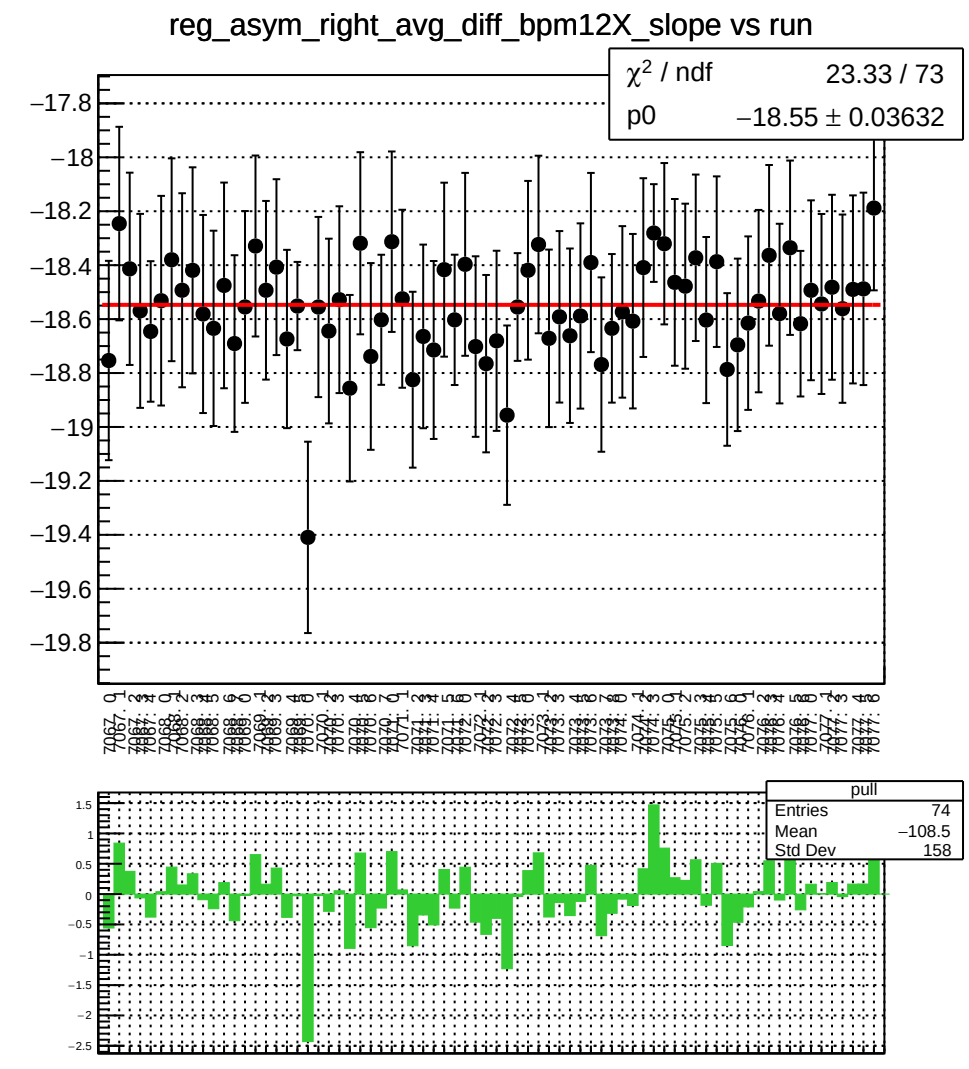

pull1D
Entries 74
Mean −0.1645
Std Dev 1.042

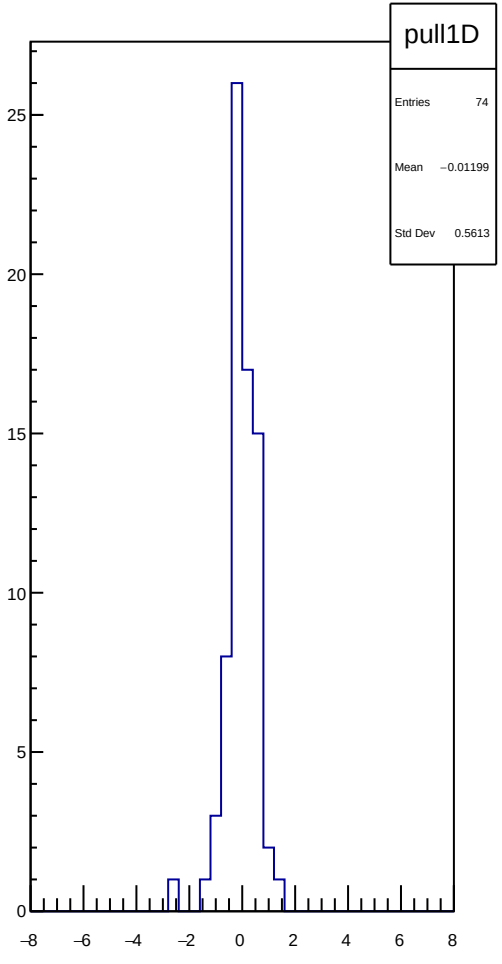

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.85 / 73
p0 −5.412 ± 0.7663
pull
Entries 74
Mean −70.53
Std Dev 121.3
pull1D
Entries 74
Mean 0.031
Std Dev 0.876

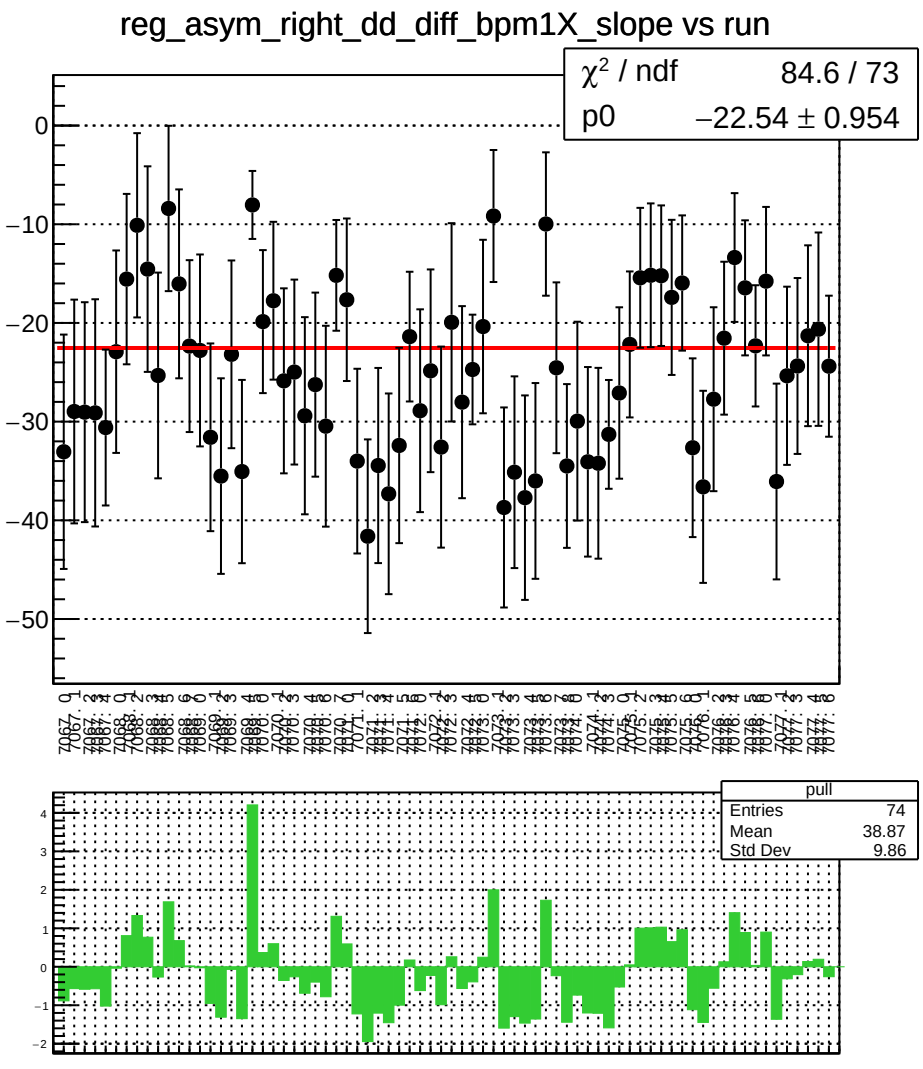

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.87 / 73
p0 50.89 ± 0.9178
pull
Entries 74
Mean 41.03
Std Dev 13.66
pull1D
Entries 74
Mean 0.1702
Std Dev 1.057

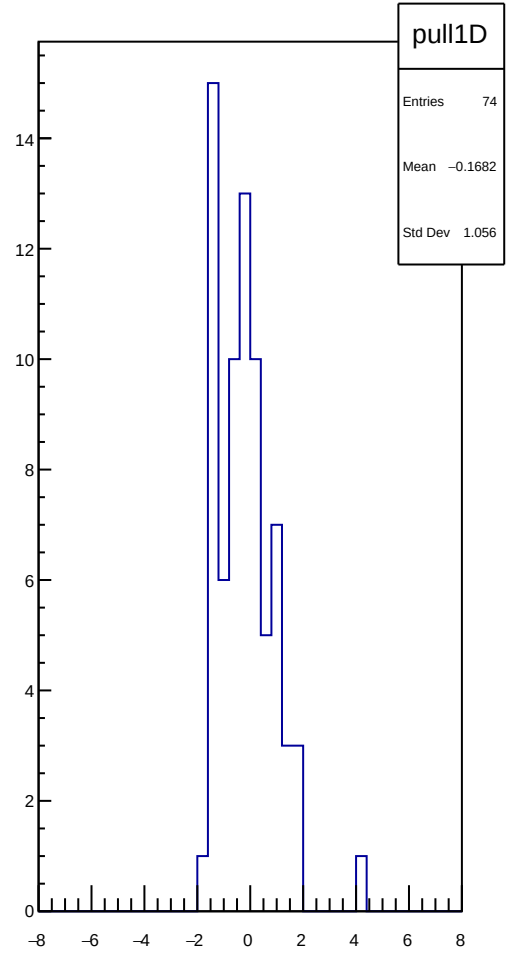

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.42 / 73
p0 15.46 ± 0.7962
pull
Entries 74
Mean −17.25
Std Dev 76.03

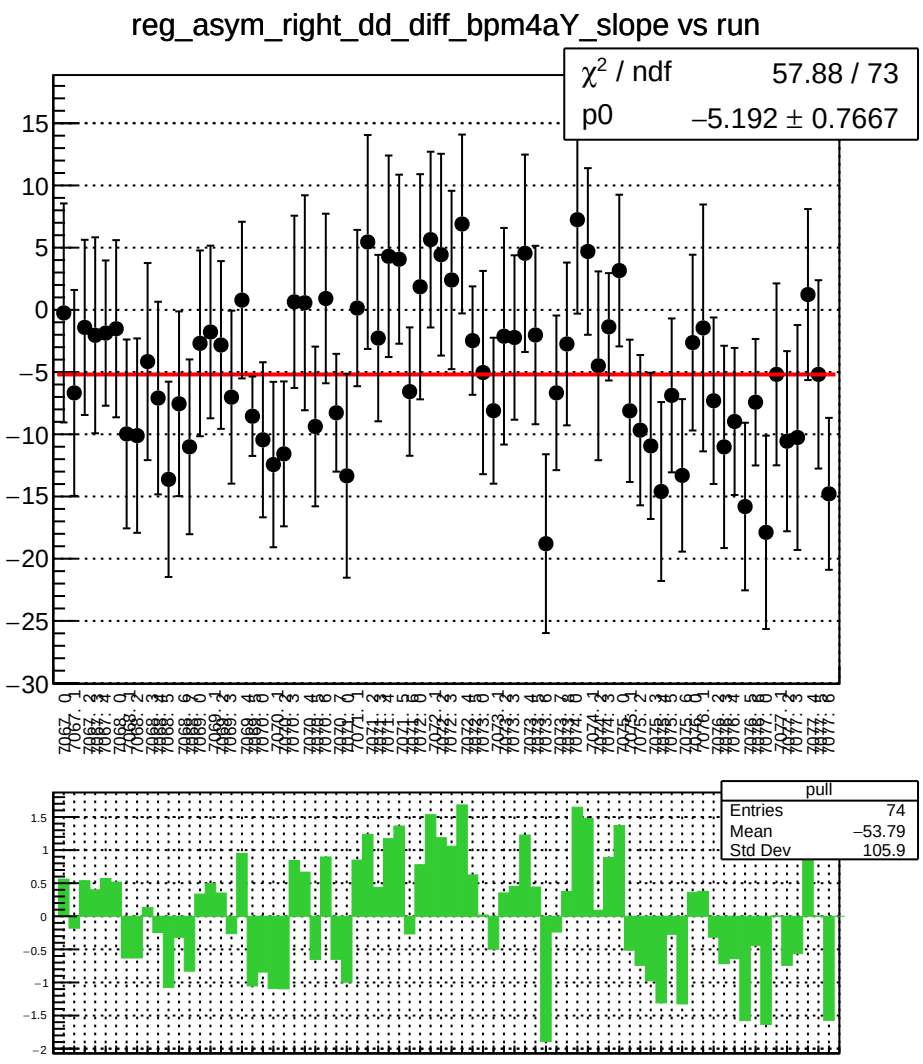

pull1D
Entries 74
Mean −0.04019
Std Dev 0.9176

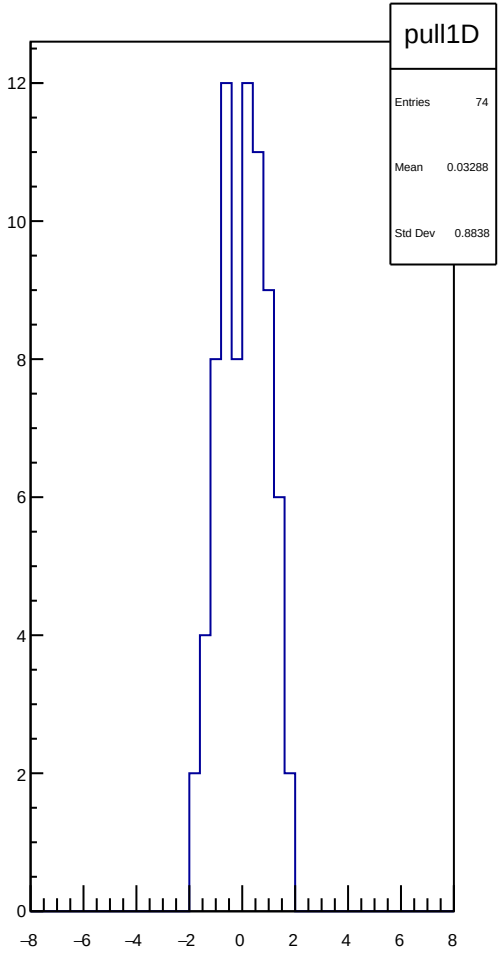

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 23.33 / 73
p0 −18.55 ± 0.03632
pull
Entries 74
Mean −108.5
Std Dev 158

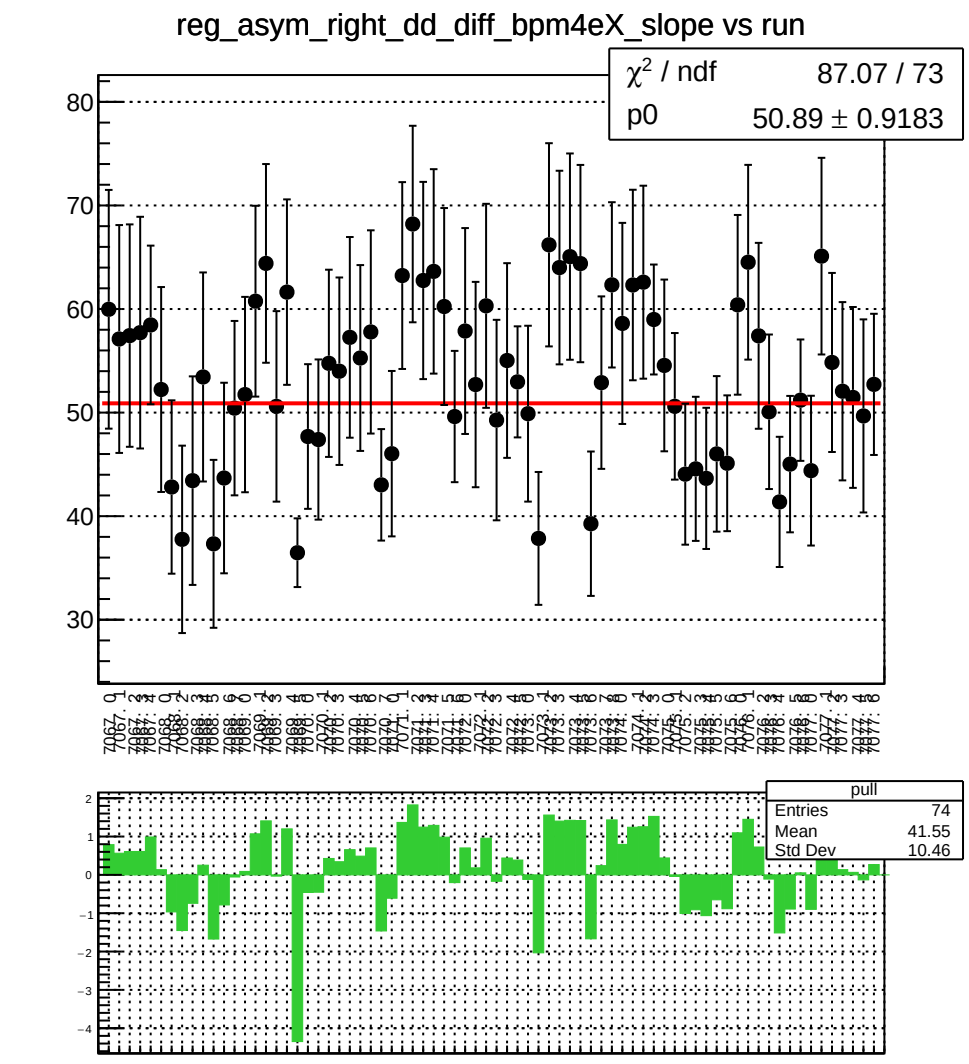

pull1D
Entries 74
Mean −0.01199
Std Dev 0.5613

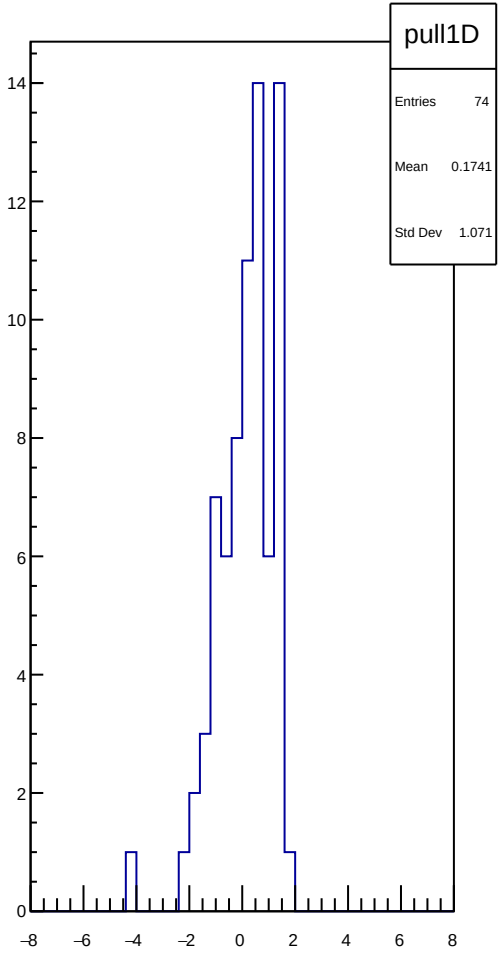

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 84.6 / 73
p0 −22.54 ± 0.954
pull
Entries 74
Mean 38.87
Std Dev 9.86

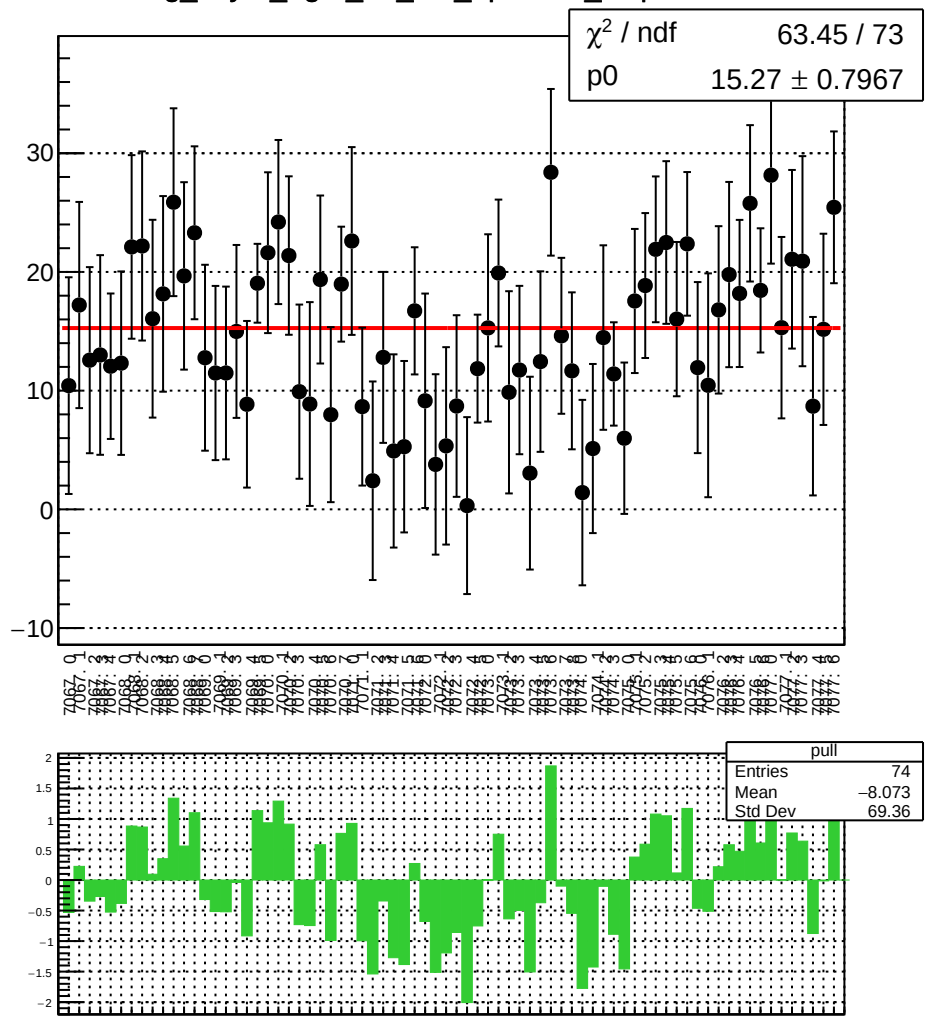

pull1D
Entries 74
Mean −0.1682
Std Dev 1.056

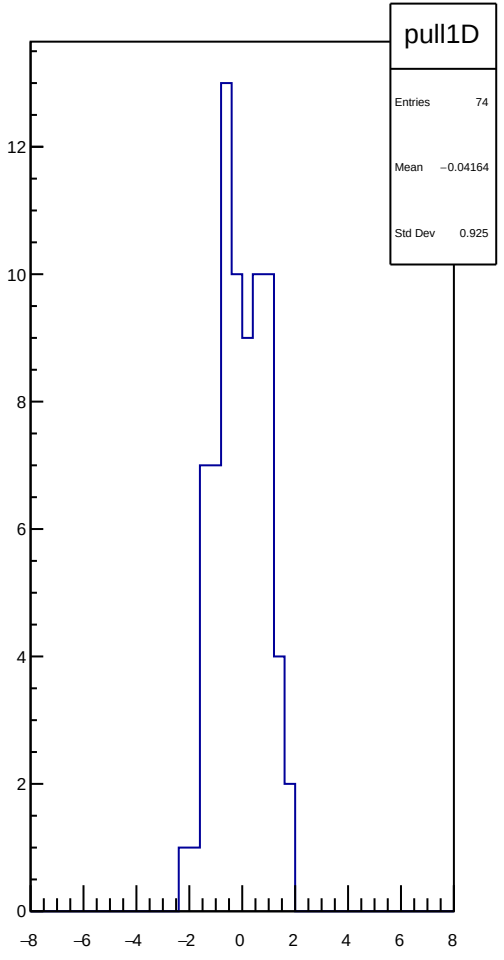

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.88 / 73
p0 −5.192 ± 0.7667
pull
Entries 74
Mean −53.79
Std Dev 105.9

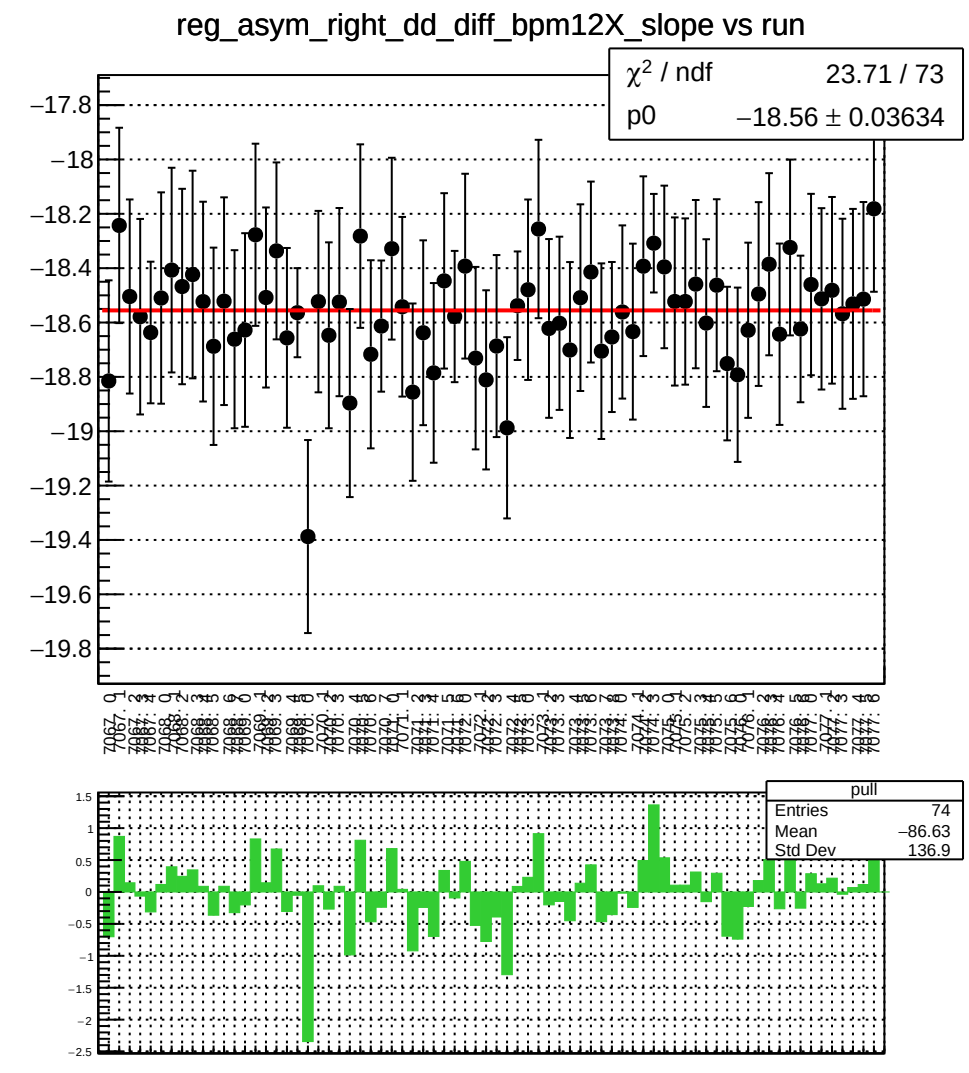

pull1D
Entries 74
Mean 0.03288
Std Dev 0.8838

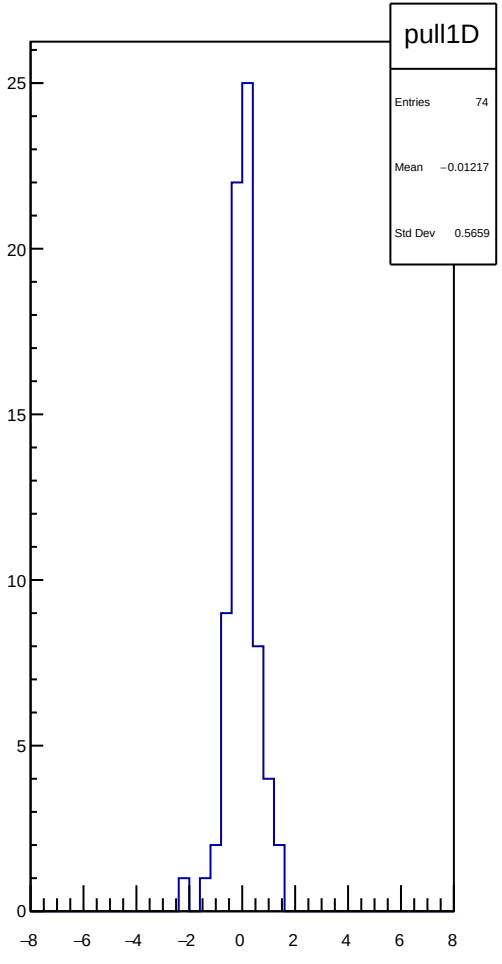

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.07 / 73
p0 50.89 ± 0.9183
pull
Entries 74
Mean 41.55
Std Dev 10.46

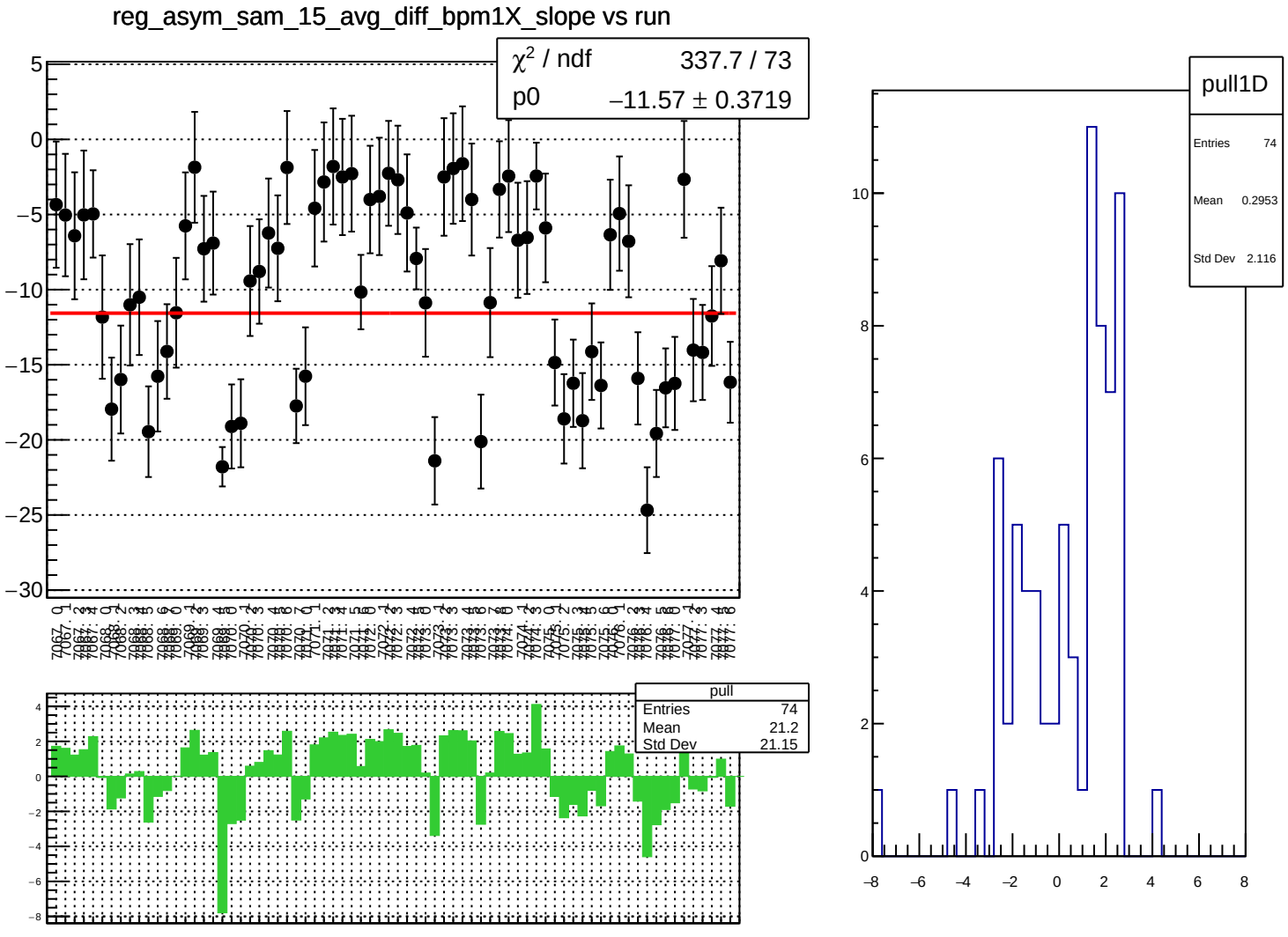

pull1D
Entries 74
Mean 0.1741
Std Dev 1.071

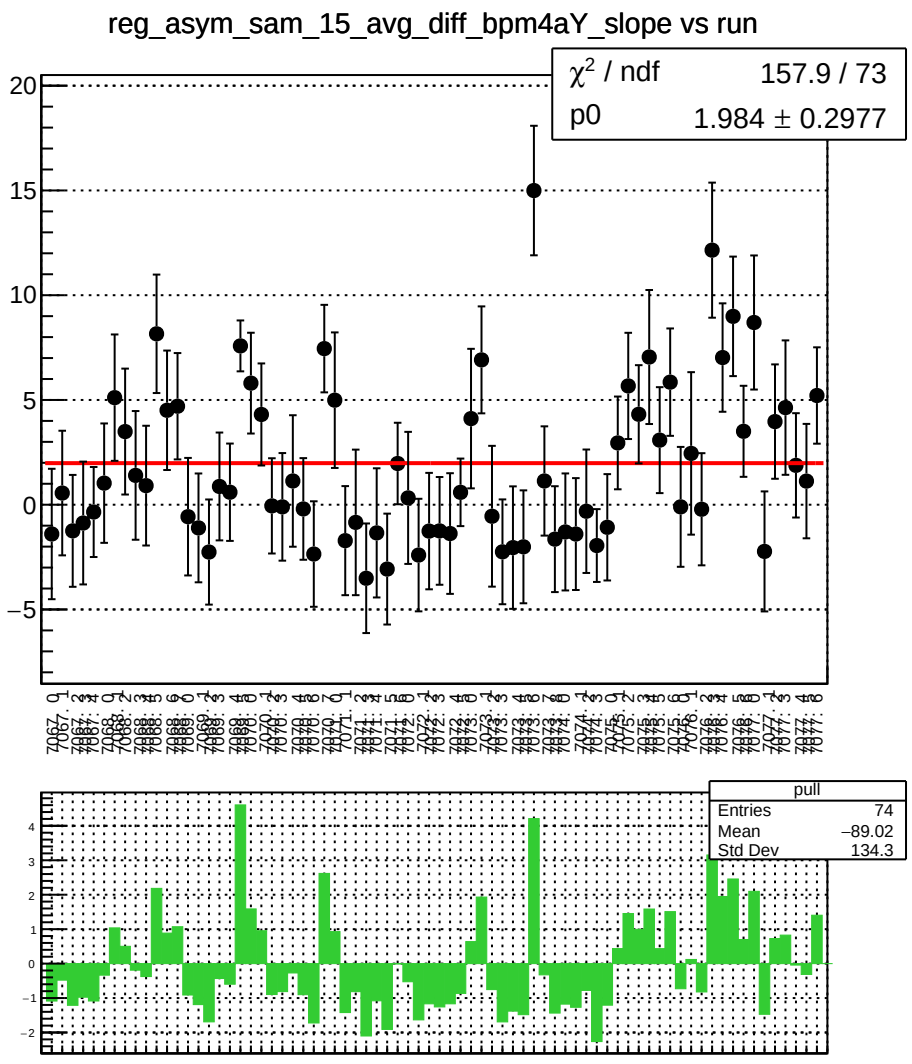

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.45 / 73
p0 15.27 ± 0.7967
pull
Entries 74
Mean −8.073
Std Dev 69.36

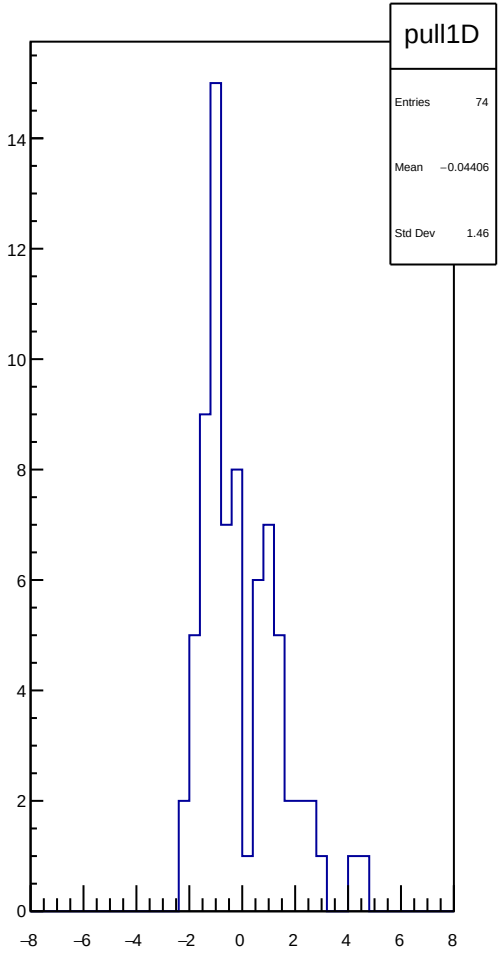

pull1D
Entries 74
Mean −0.04164
Std Dev 0.925

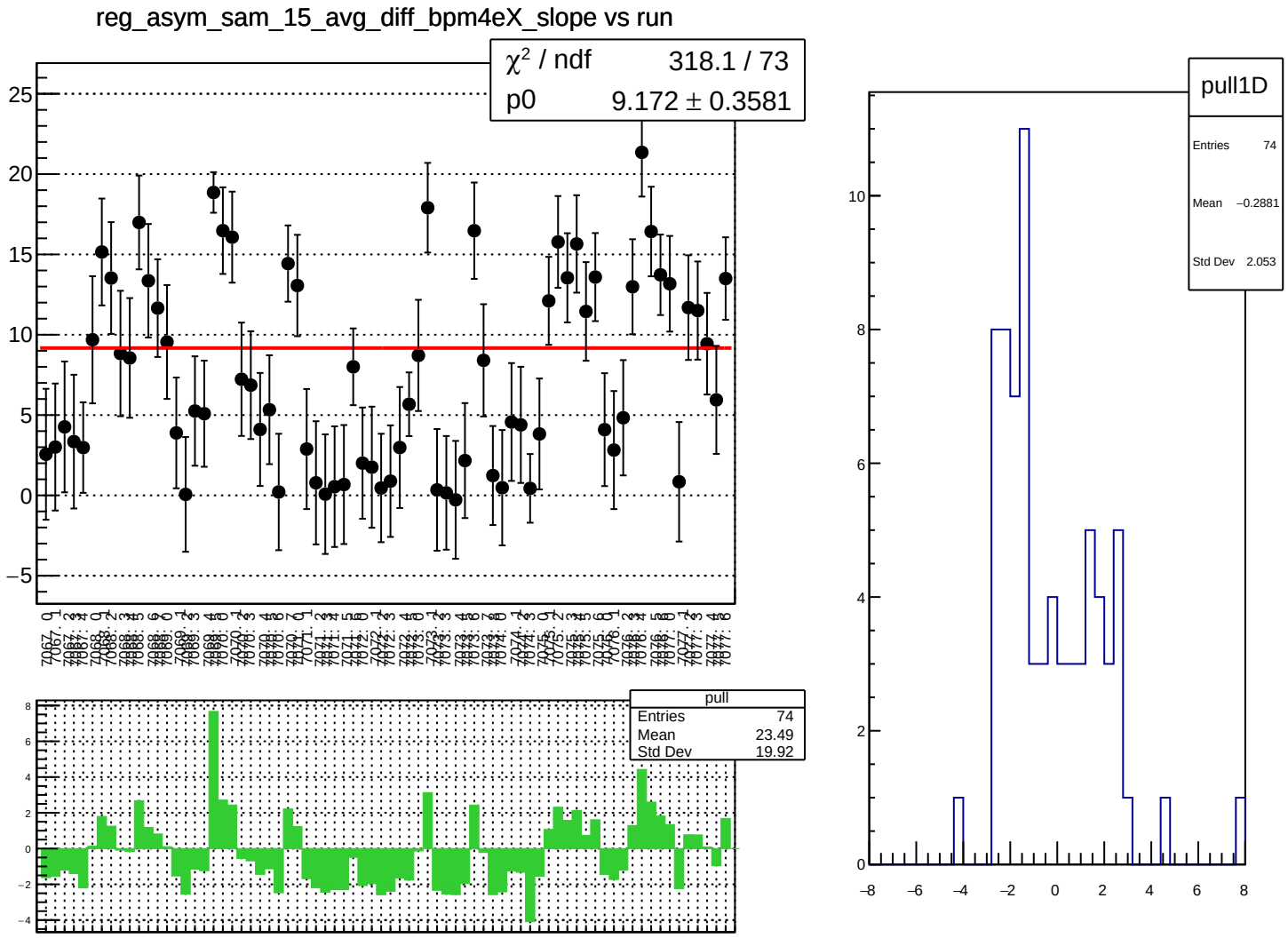

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 23.71 / 73
p0 −18.56 ± 0.03634
pull
Entries 74
Mean −86.63
Std Dev 136.9

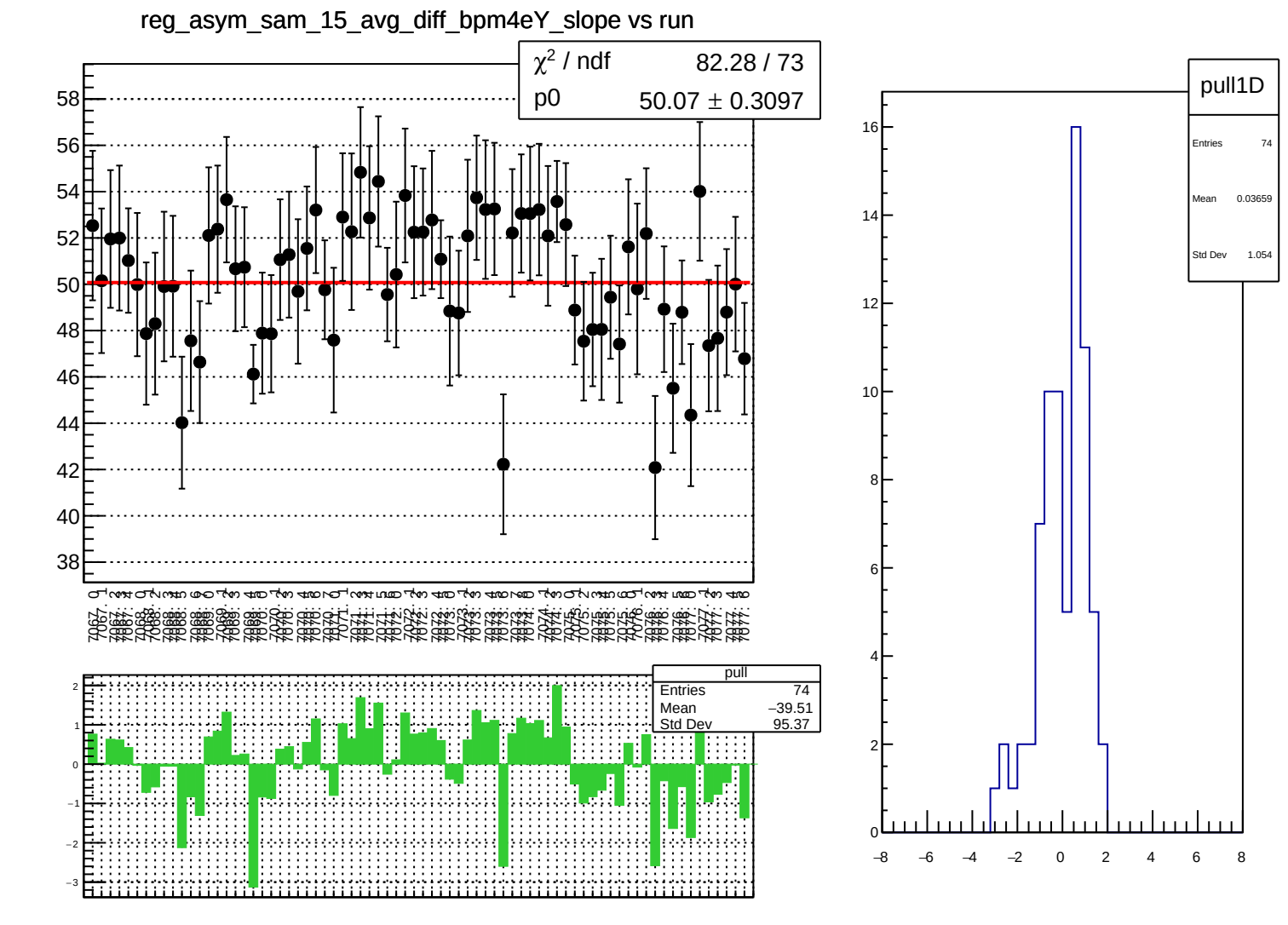

pull1D
Entries 74
Mean −0.01217
Std Dev 0.5659

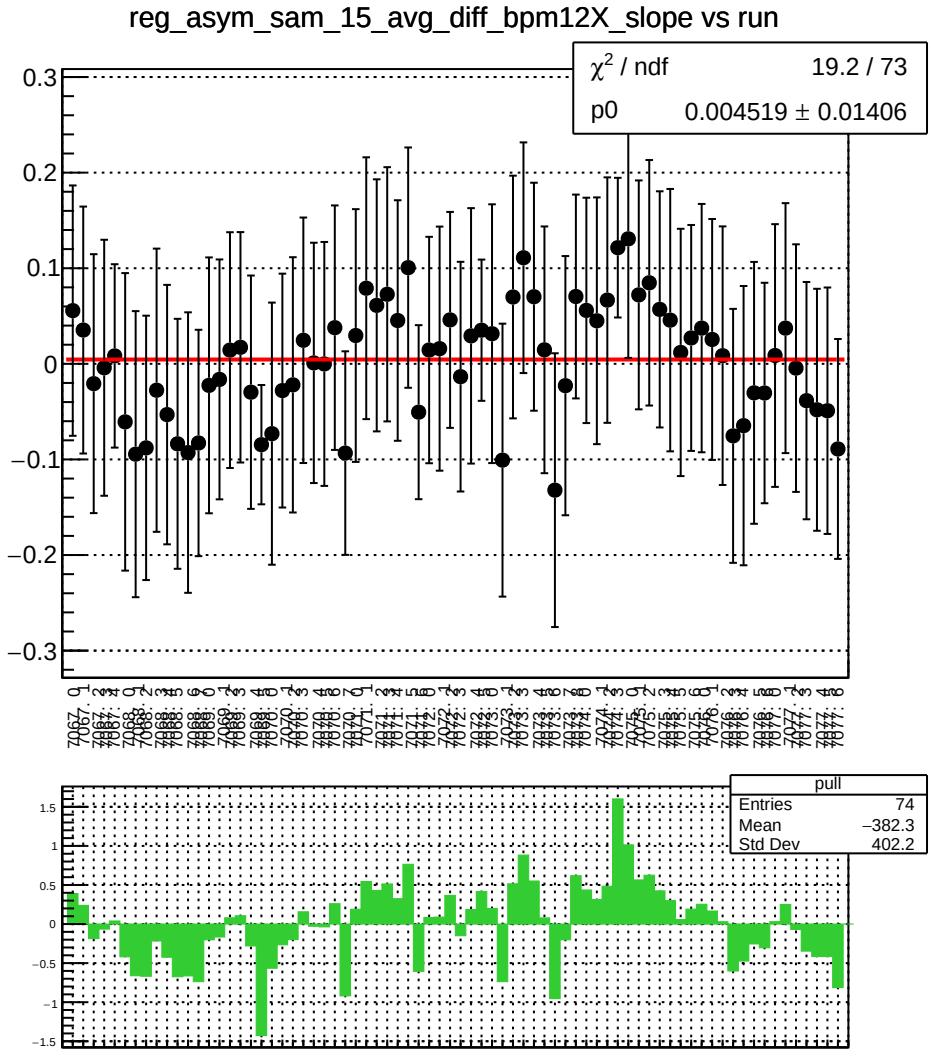

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 337.7 / 73
p0 −11.57 ± 0.3719
pull
Entries 74
Mean 21.2
Std Dev 21.15
pull1D
Entries 74
Mean 0.2953
Std Dev 2.116

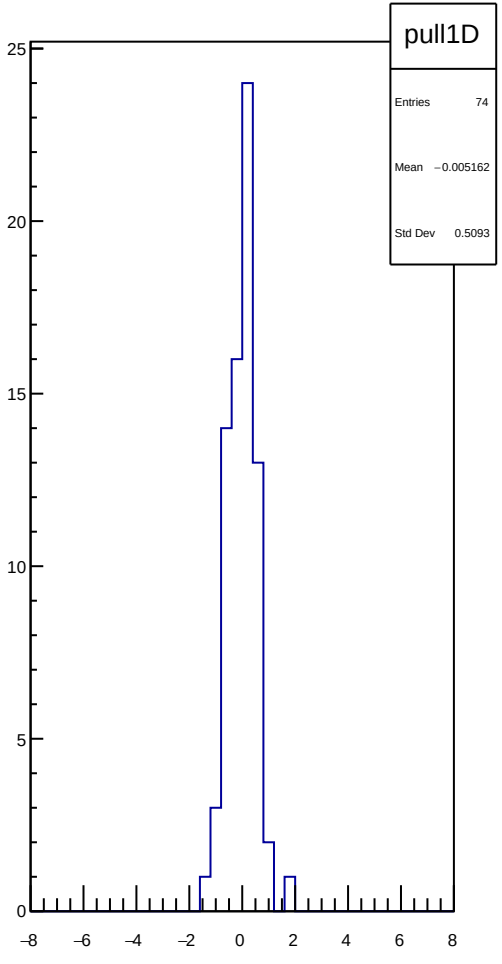

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 157.9 / 73
p0 1.984 ± 0.2977
pull
Entries 74
Mean −89.02
Std Dev 134.3

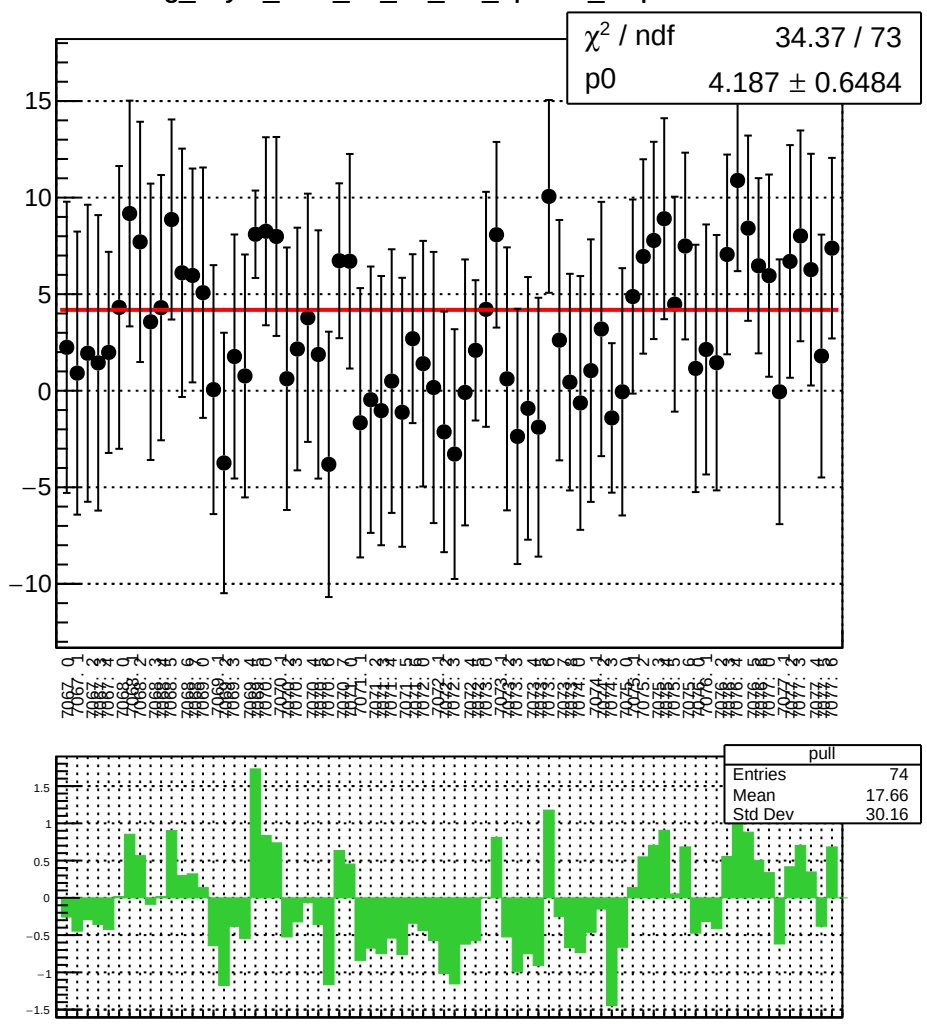

pull1D
Entries 74
Mean −0.04406
Std Dev 1.46

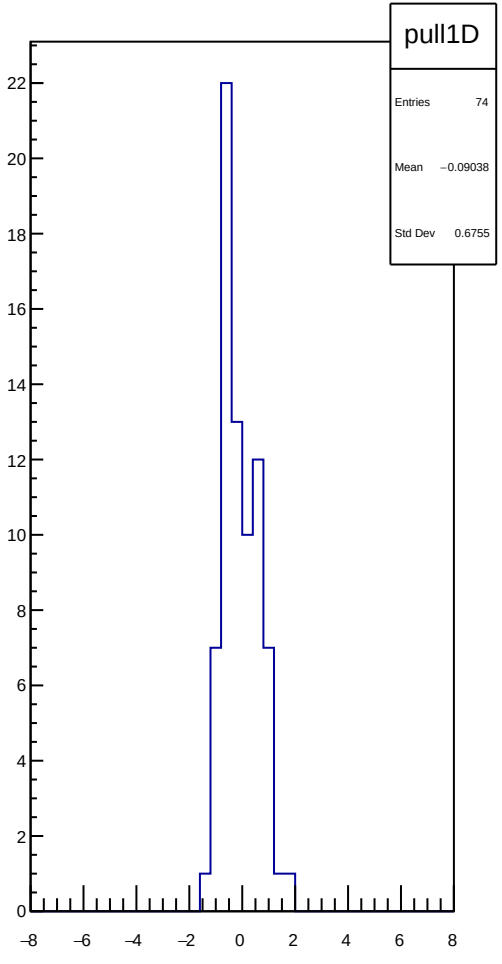

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 318.1 / 73
p0 9.172 ± 0.3581
pull
Entries 74
Mean 23.49
Std Dev 19.92
pull1D
Entries 74
Mean −0.2881
Std Dev 2.053

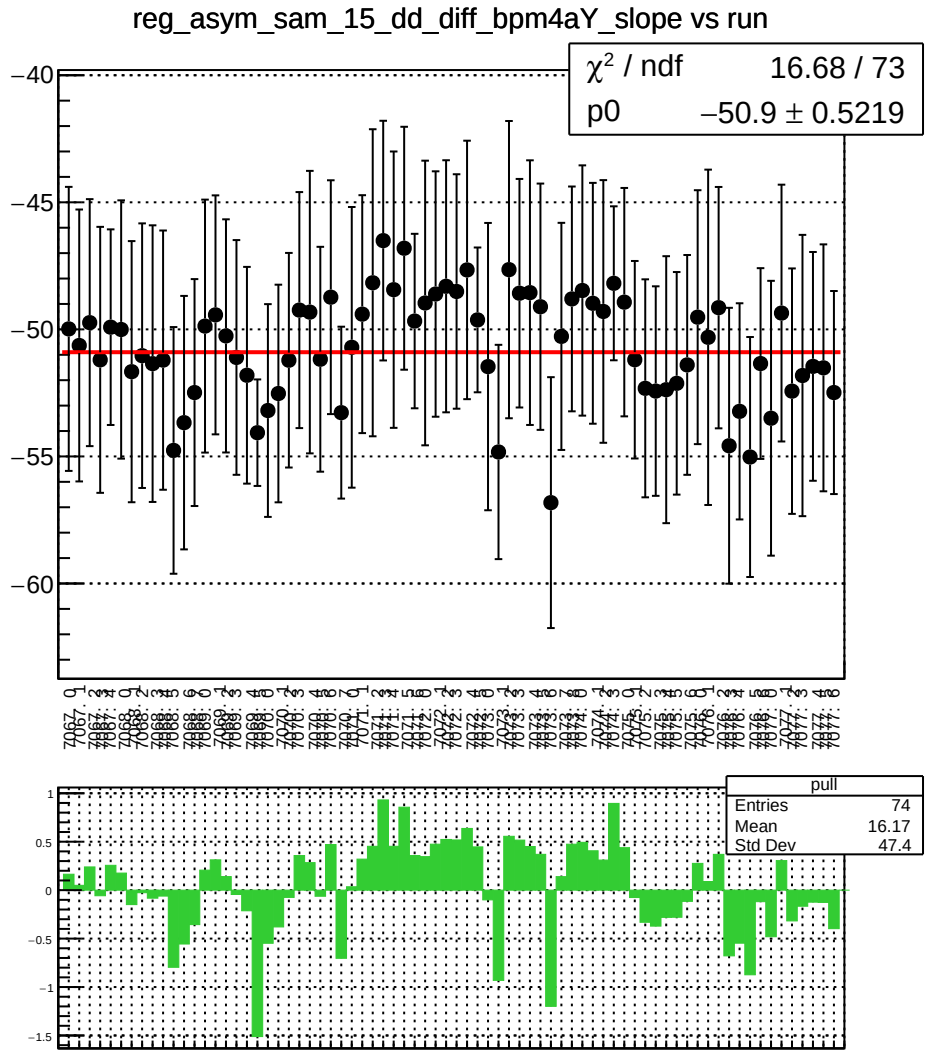

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.28 / 73
p0 50.07 ± 0.3097
pull
Entries 74
Mean −39.51
Std Dev 95.37
pull1D
Entries 74
Mean 0.03659
Std Dev 1.054

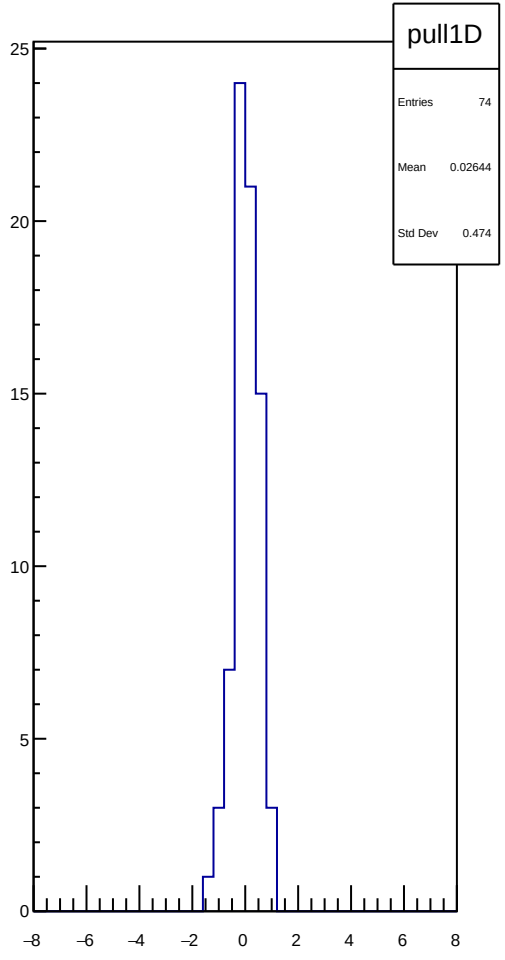

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 19.2 / 73
p0 0.004519 ± 0.01406
pull
Entries 74
Mean −382.3
Std Dev 402.2

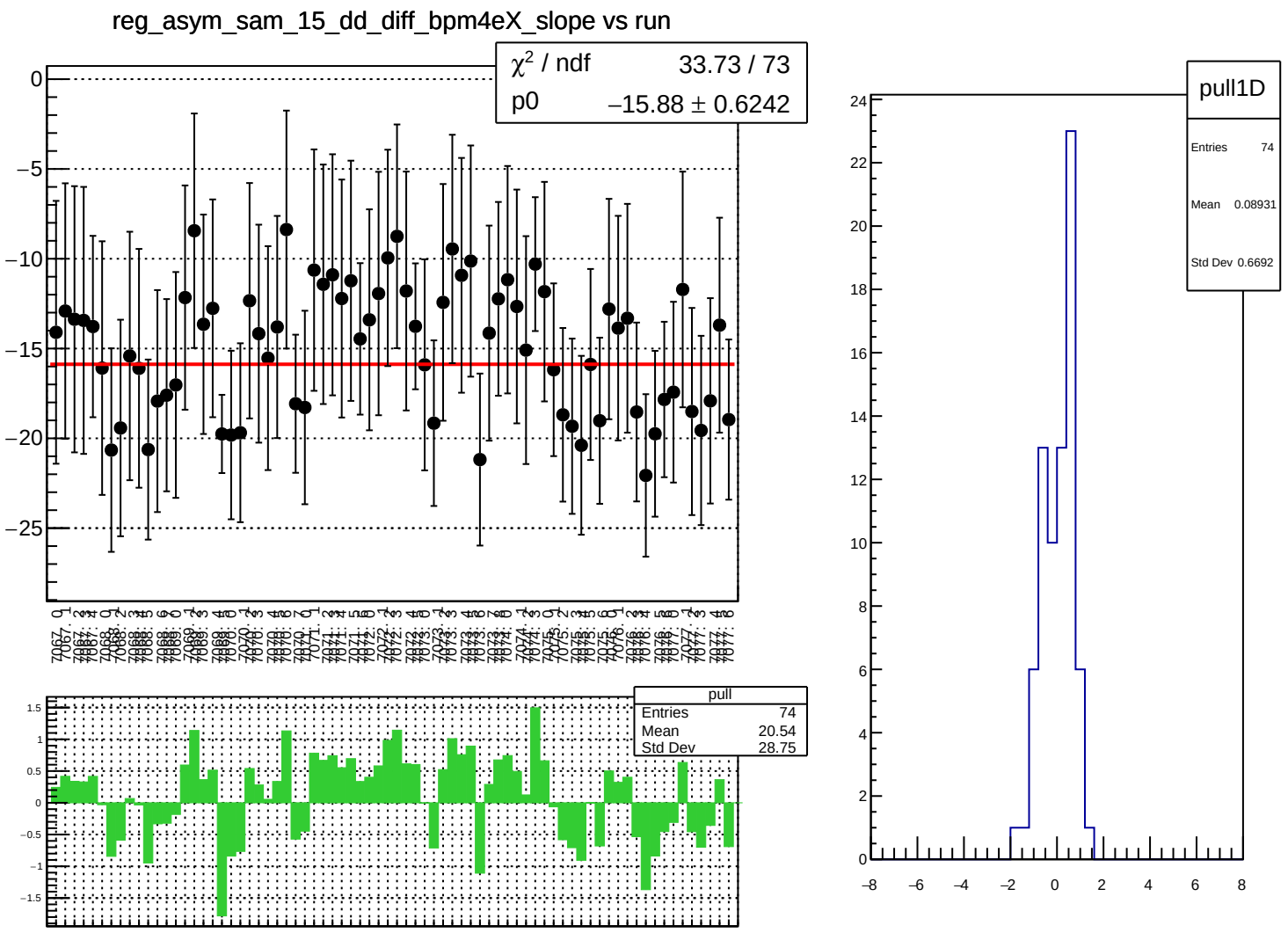

pull1D
Entries 74
Mean −0.005162
Std Dev 0.5093

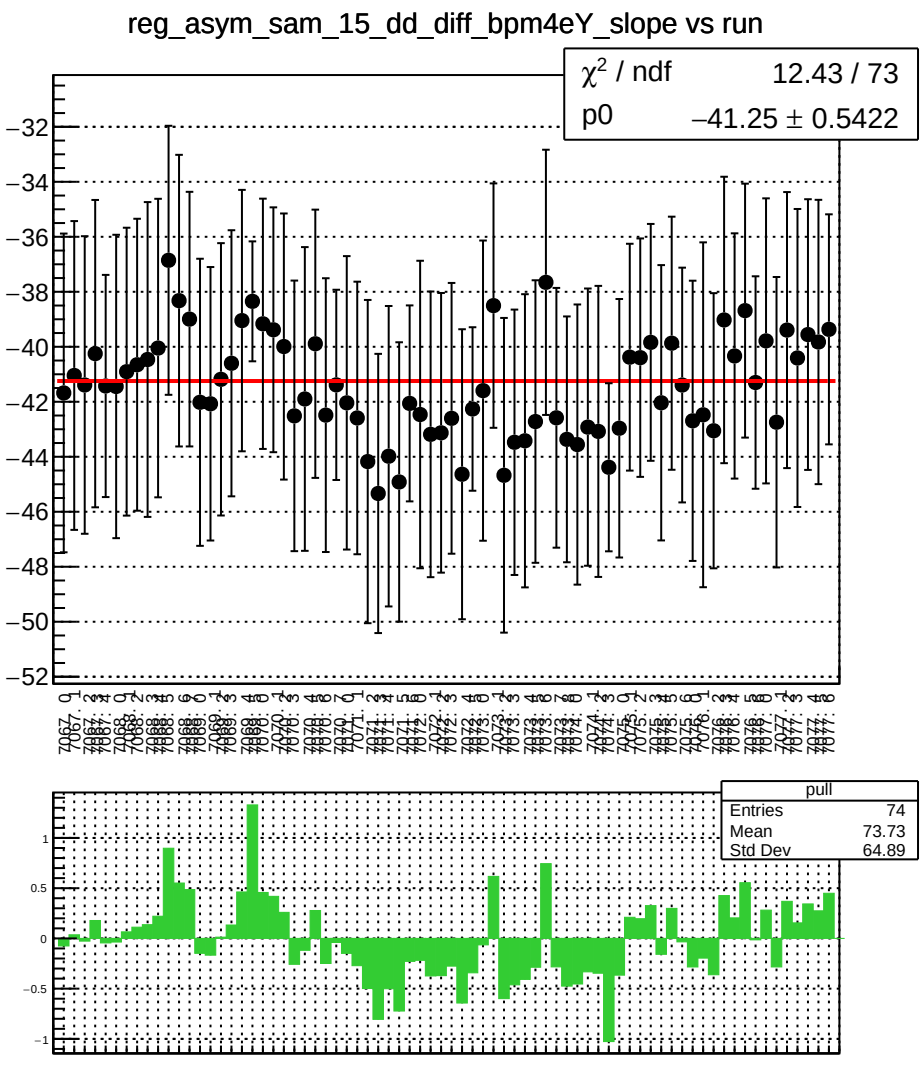

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 34.37 / 73
p0 4.187 ± 0.6484
pull
Entries 74
Mean 17.66
Std Dev 30.16

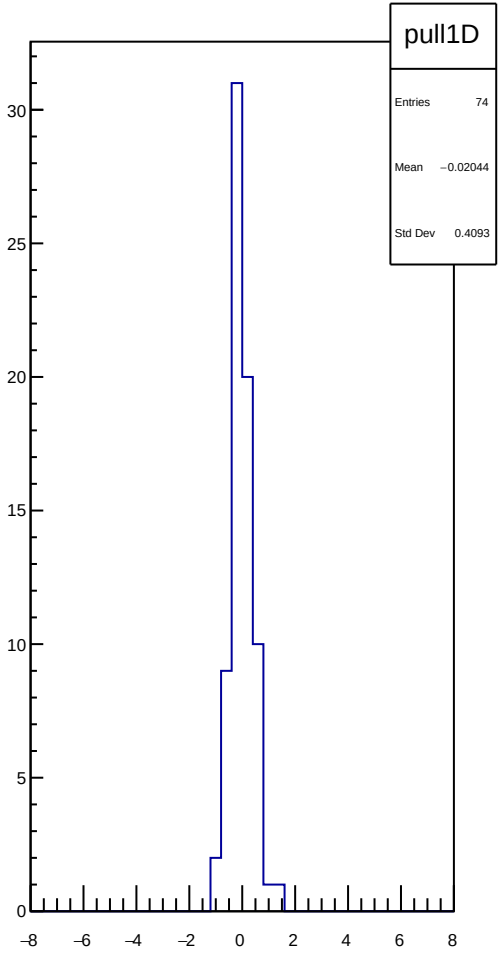

pull1D
Entries 74
Mean −0.09038
Std Dev 0.6755

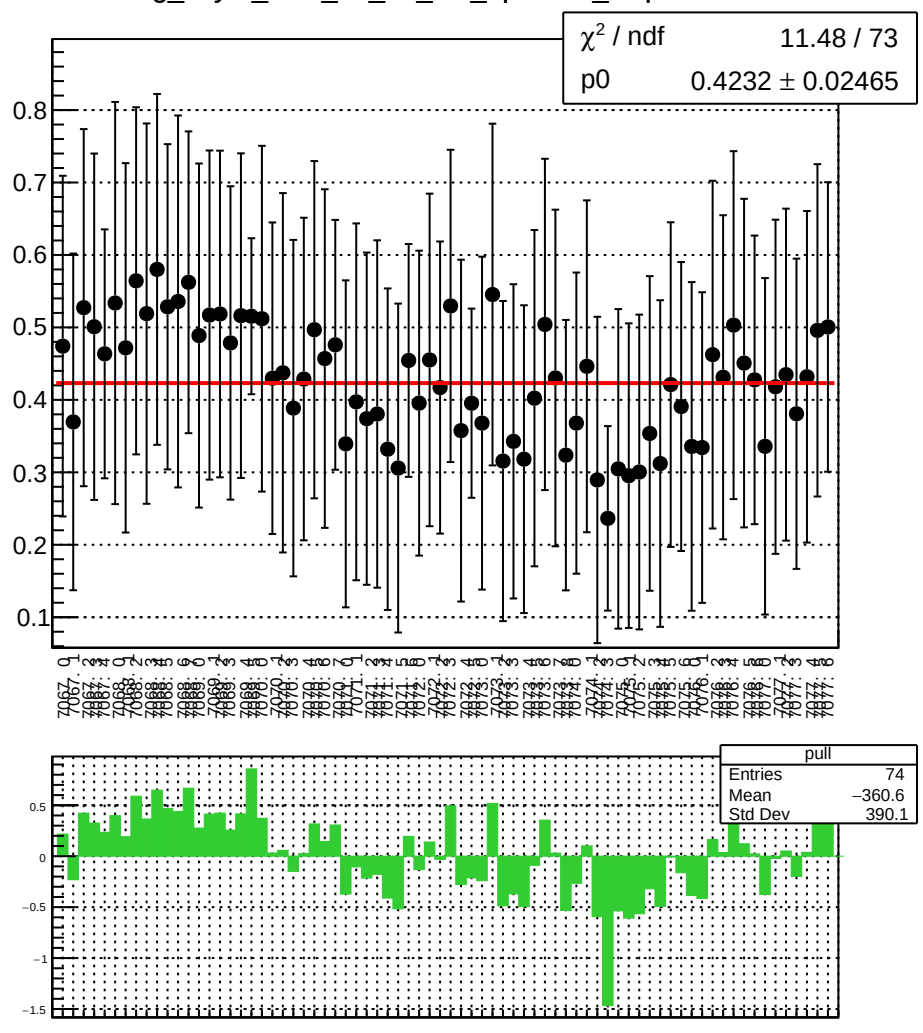

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.68 / 73
p0 −50.9 ± 0.5219
−40
−45
−50
−55
−60
pull
Entries 74
Mean 16.17
Std Dev 47.4
1
0.5
0
−0.5
−1
−1.5

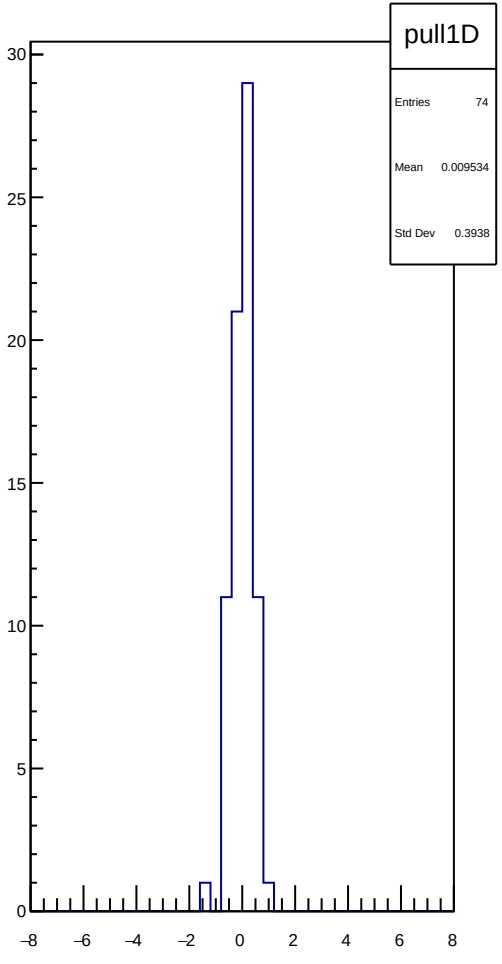

pull1D
Entries 74
Mean 0.02644
Std Dev 0.474
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

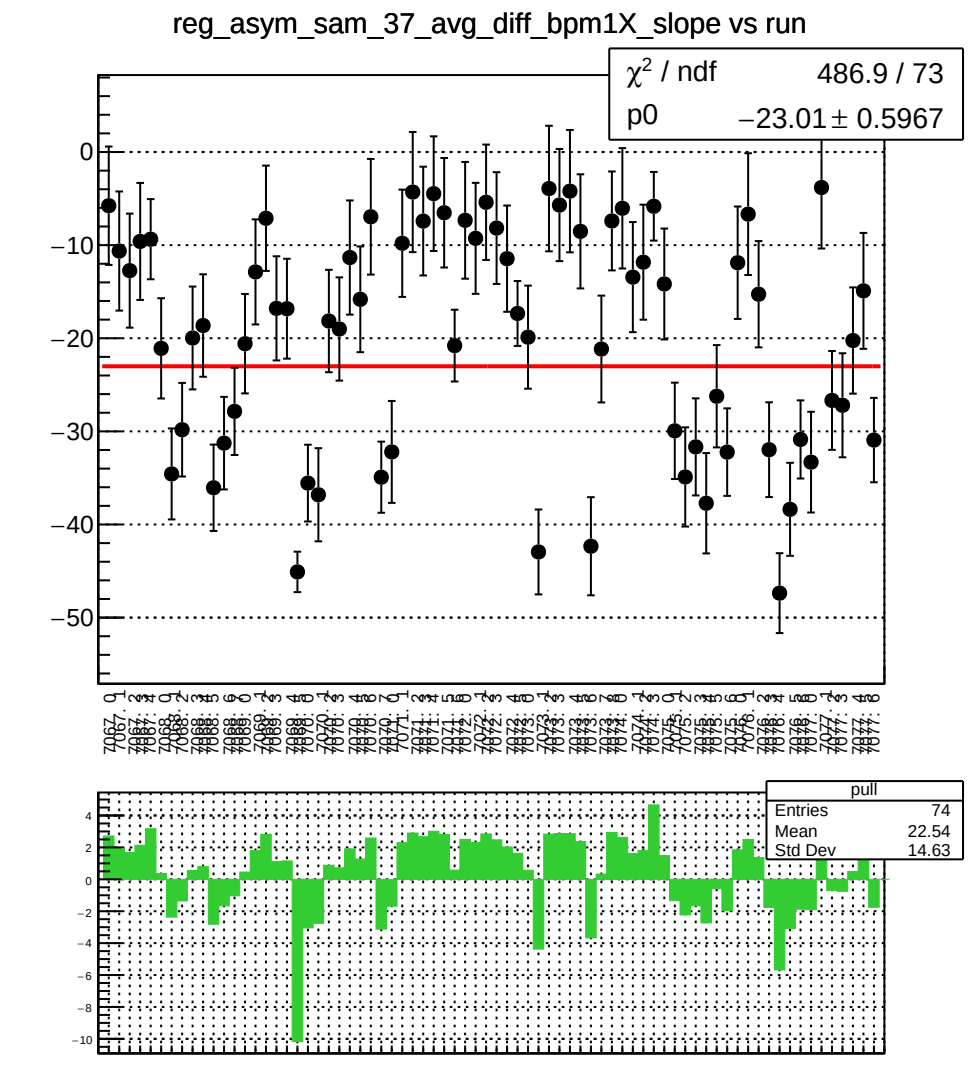

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.73 / 73
p0 −15.88 ± 0.6242
pull
Entries 74
Mean 20.54
Std Dev 28.75
pull1D
Entries 74
Mean 0.08931
Std Dev 0.6692

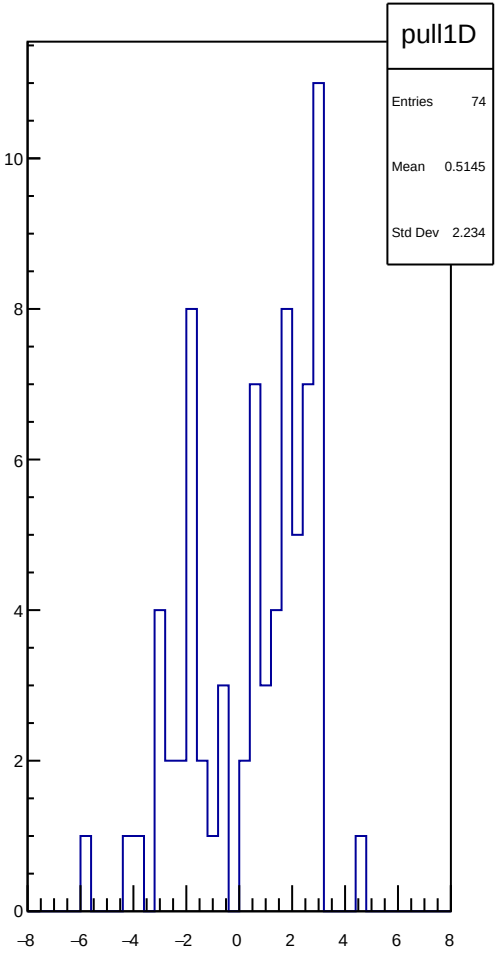

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.43 / 73
p0 −41.25 ± 0.5422
pull
Entries 74
Mean 73.73
Std Dev 64.89

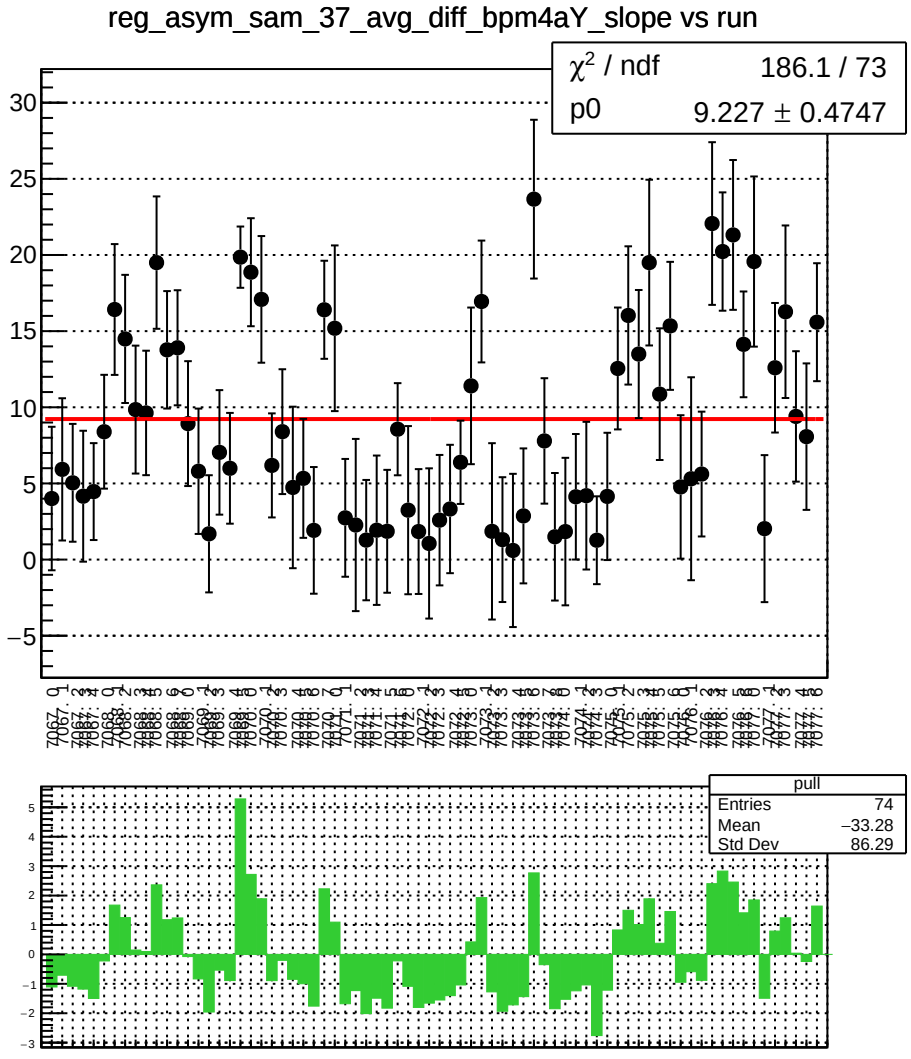

pull1D
Entries 74
Mean −0.02044
Std Dev 0.4093

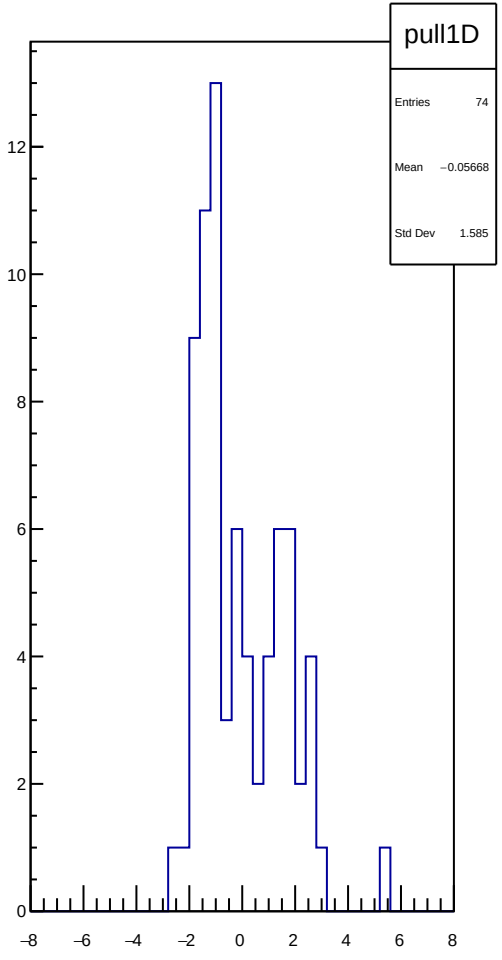

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 11.48 / 73
p0 0.4232 ± 0.02465
pull
Entries 74
Mean −360.6
Std Dev 390.1

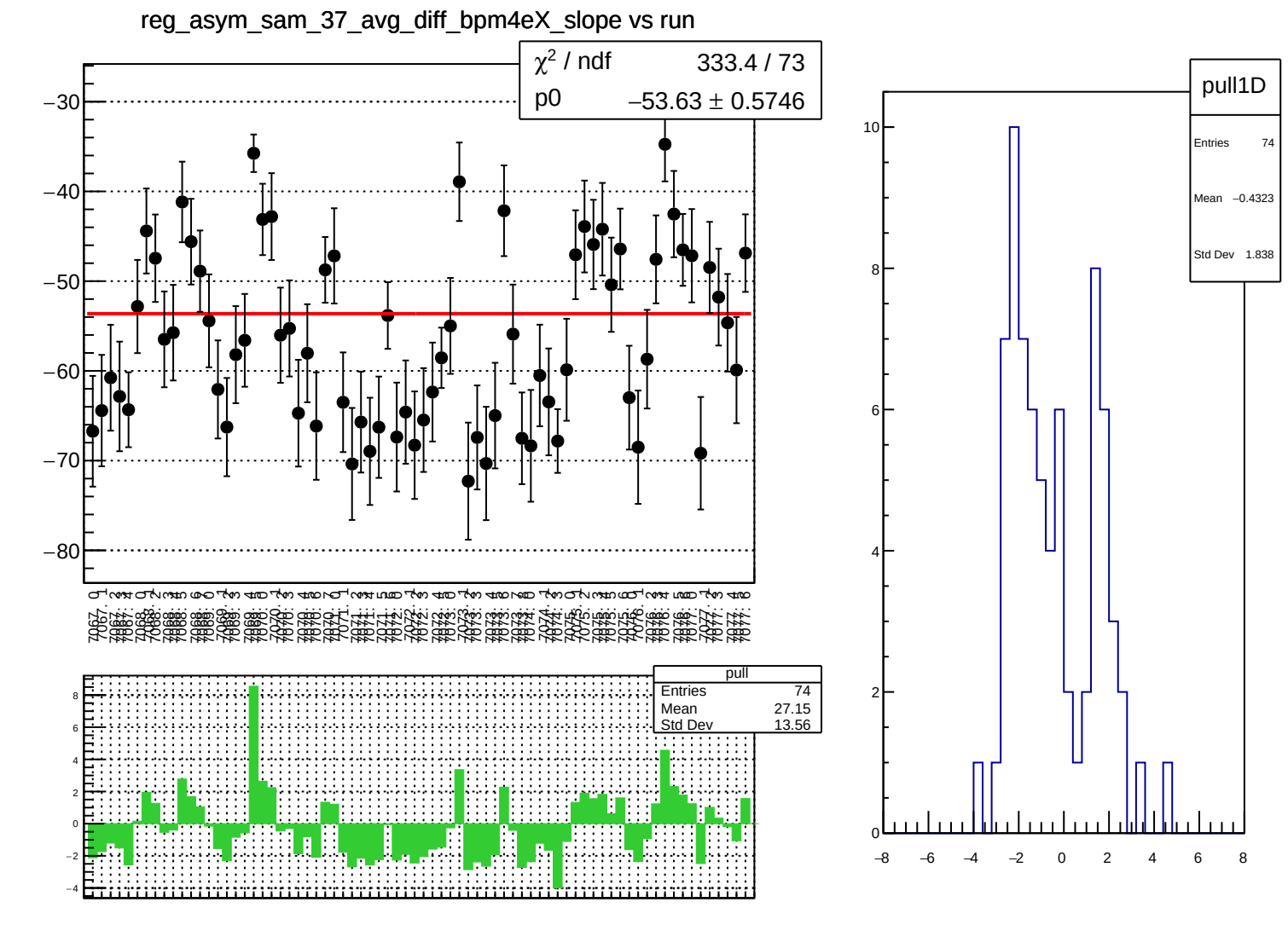

pull1D
Entries 74
Mean 0.009534
Std Dev 0.3938

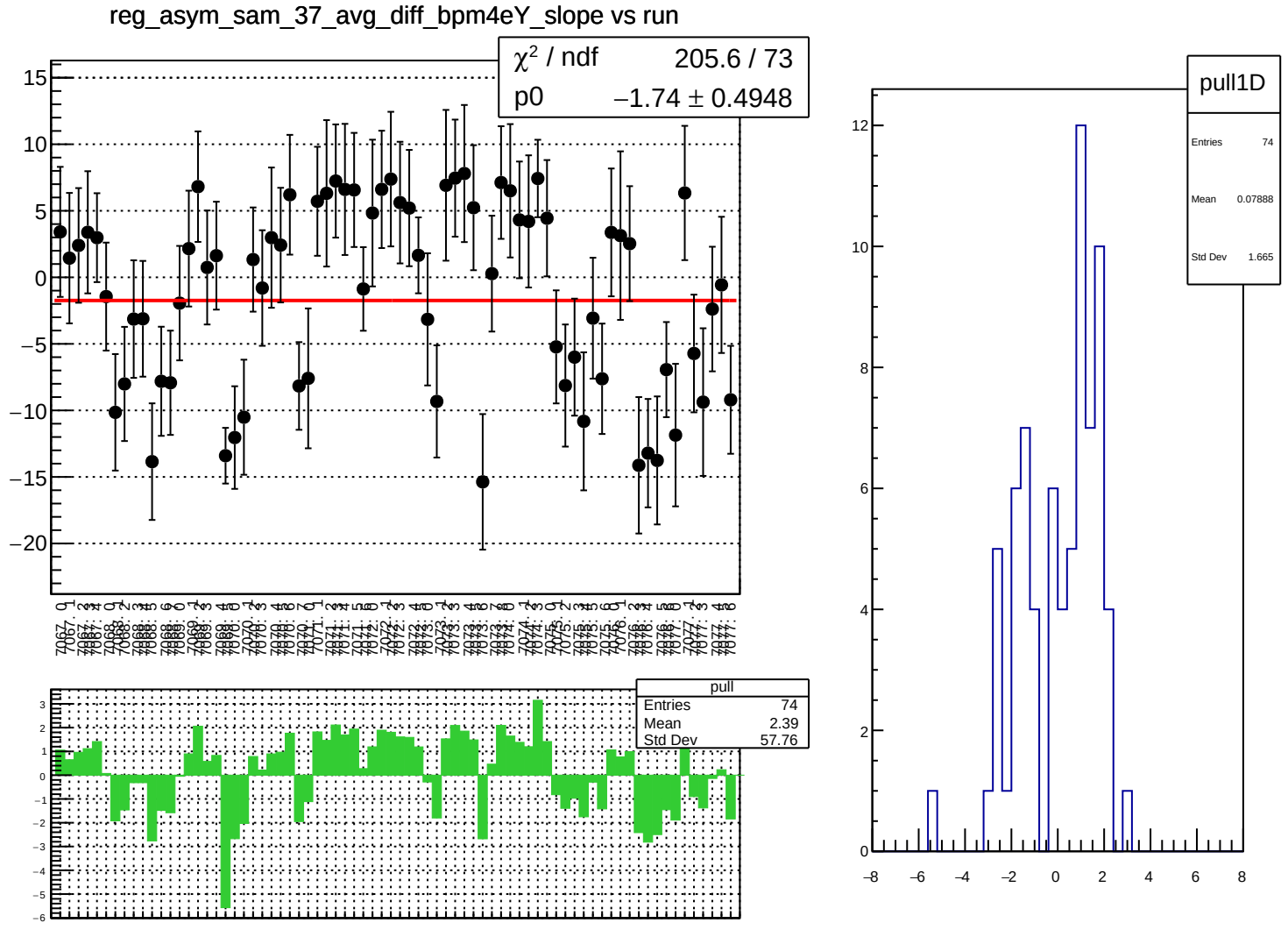

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 486.9 / 73
p0 −23.01 ± 0.5967
pull
Entries 74
Mean 22.54
Std Dev 14.63

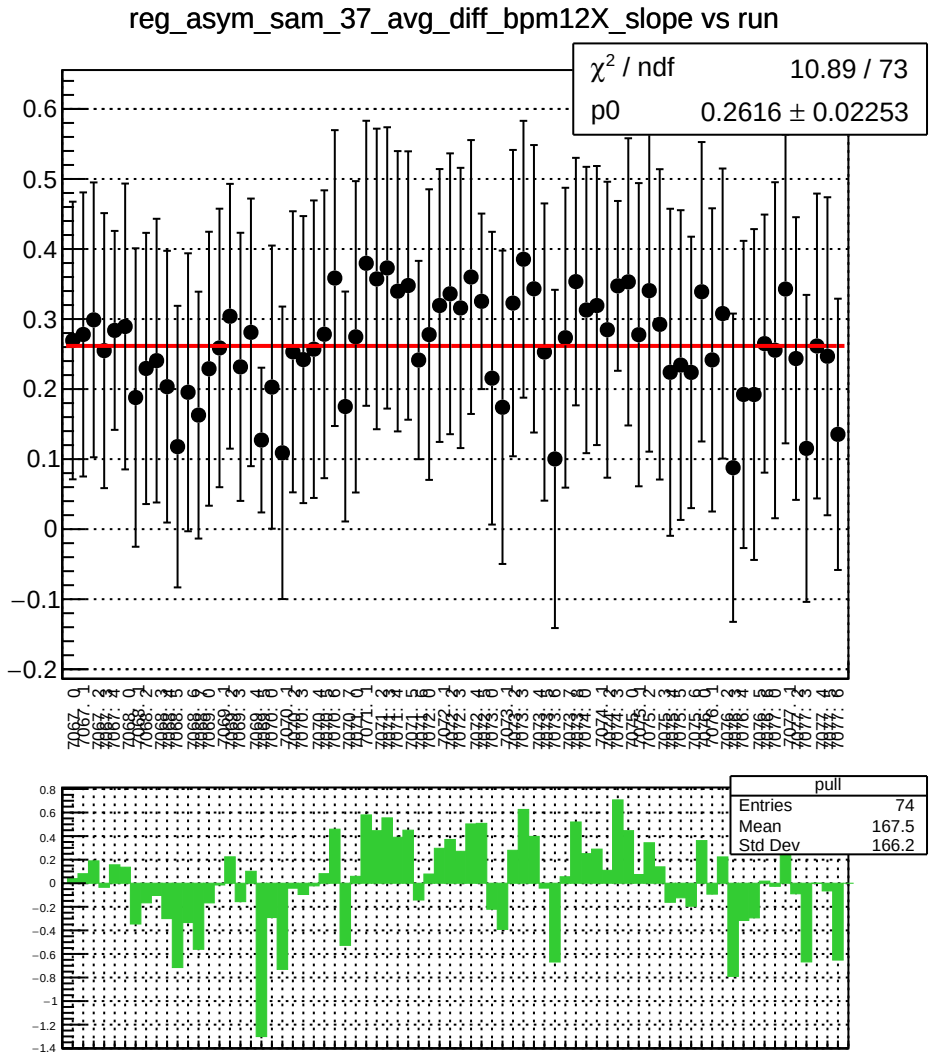

pull1D
Entries 74
Mean 0.5145
Std Dev 2.234

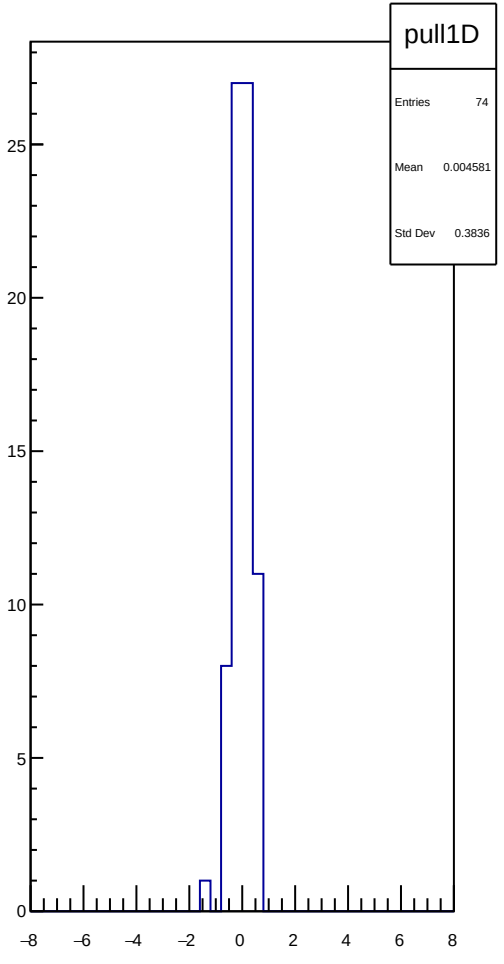

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 186.1 / 73
p0 9.227 ± 0.4747
pull
Entries 74
Mean −33.28
Std Dev 86.29

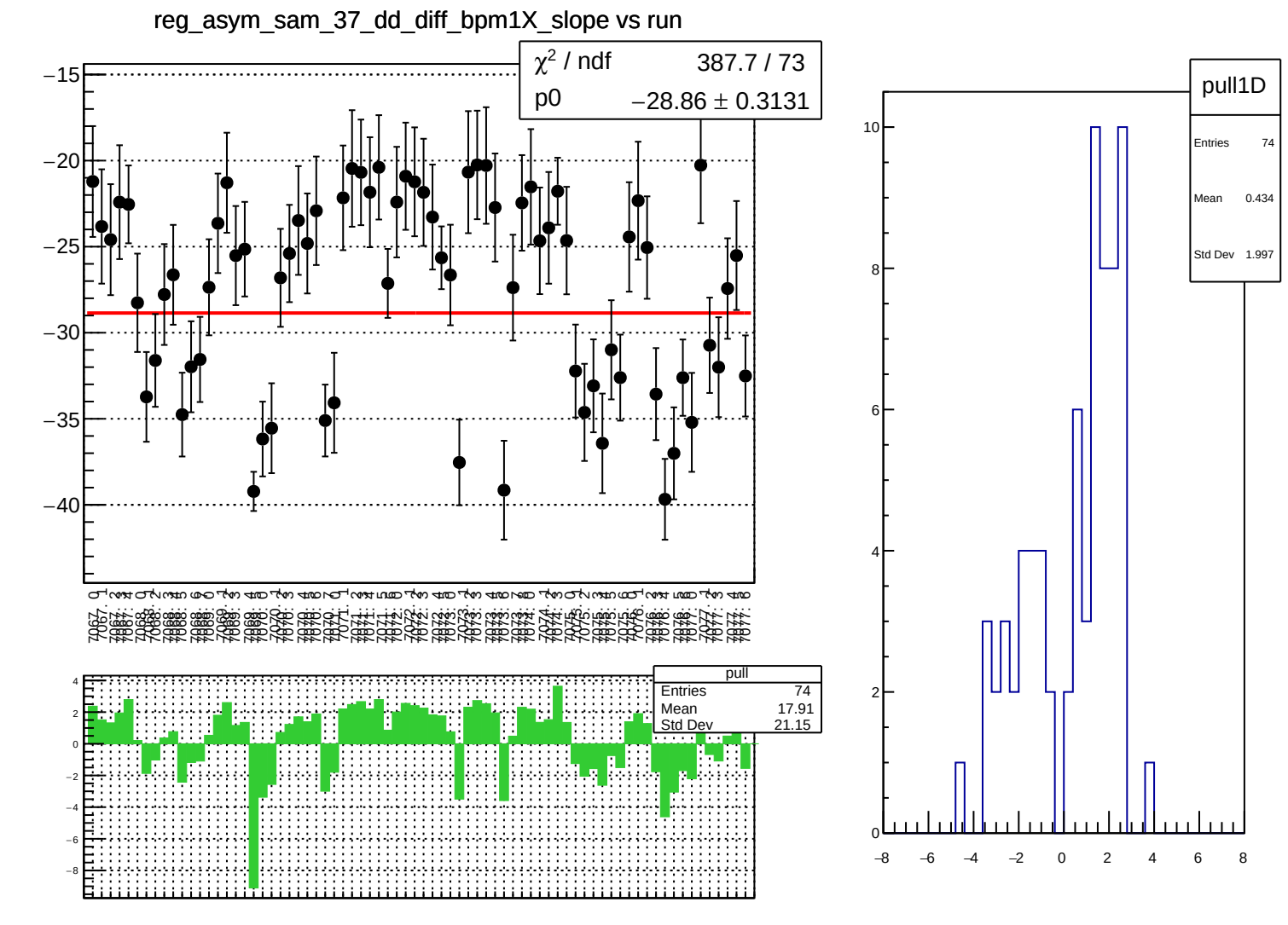

pull1D
Entries 74
Mean −0.05668
Std Dev 1.585

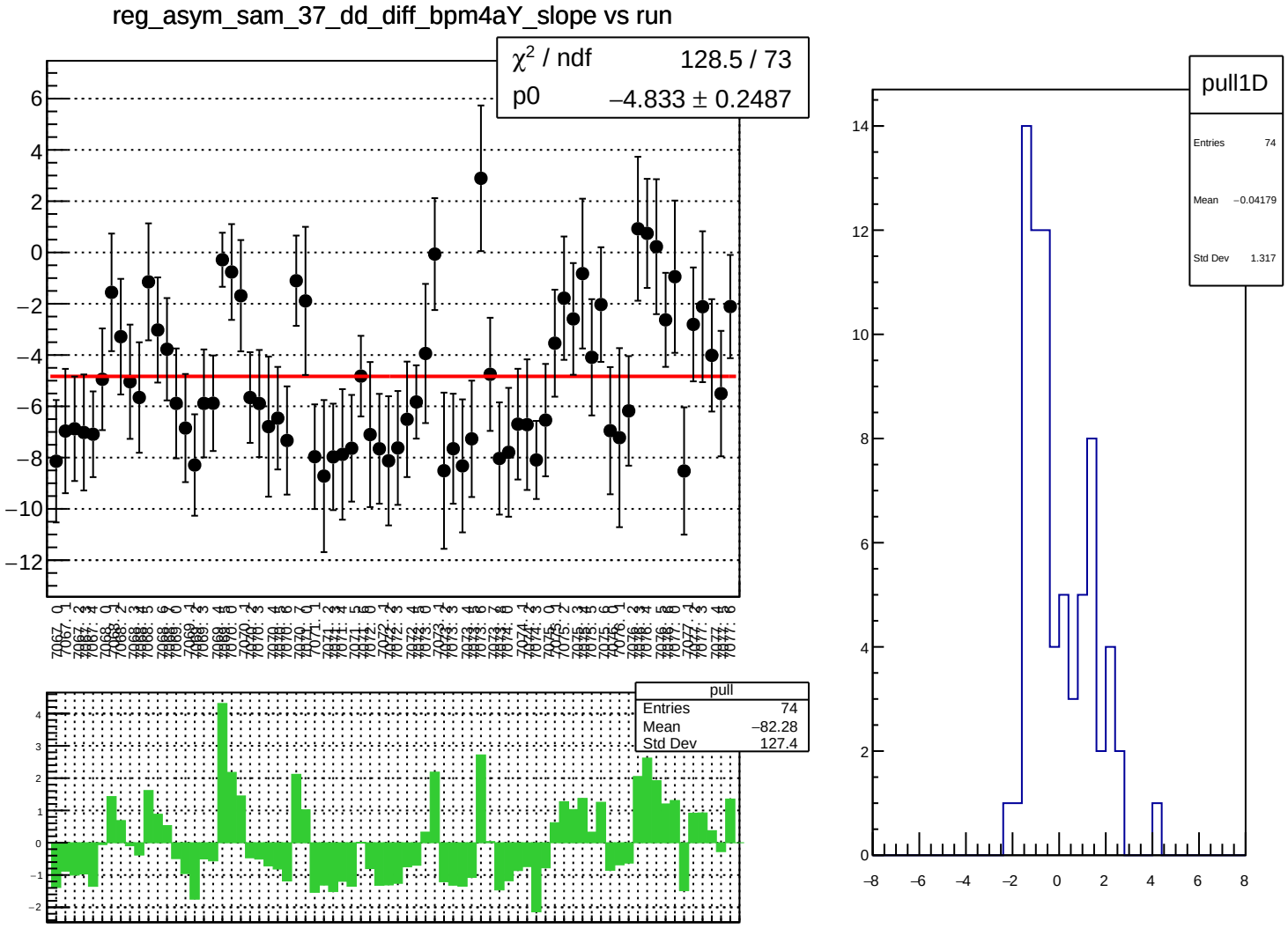

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 333.4 / 73
p0 −53.63 ± 0.5746
pull
Entries 74
Mean 27.15
Std Dev 13.56
pull1D
Entries 74
Mean −0.4323
Std Dev 1.838

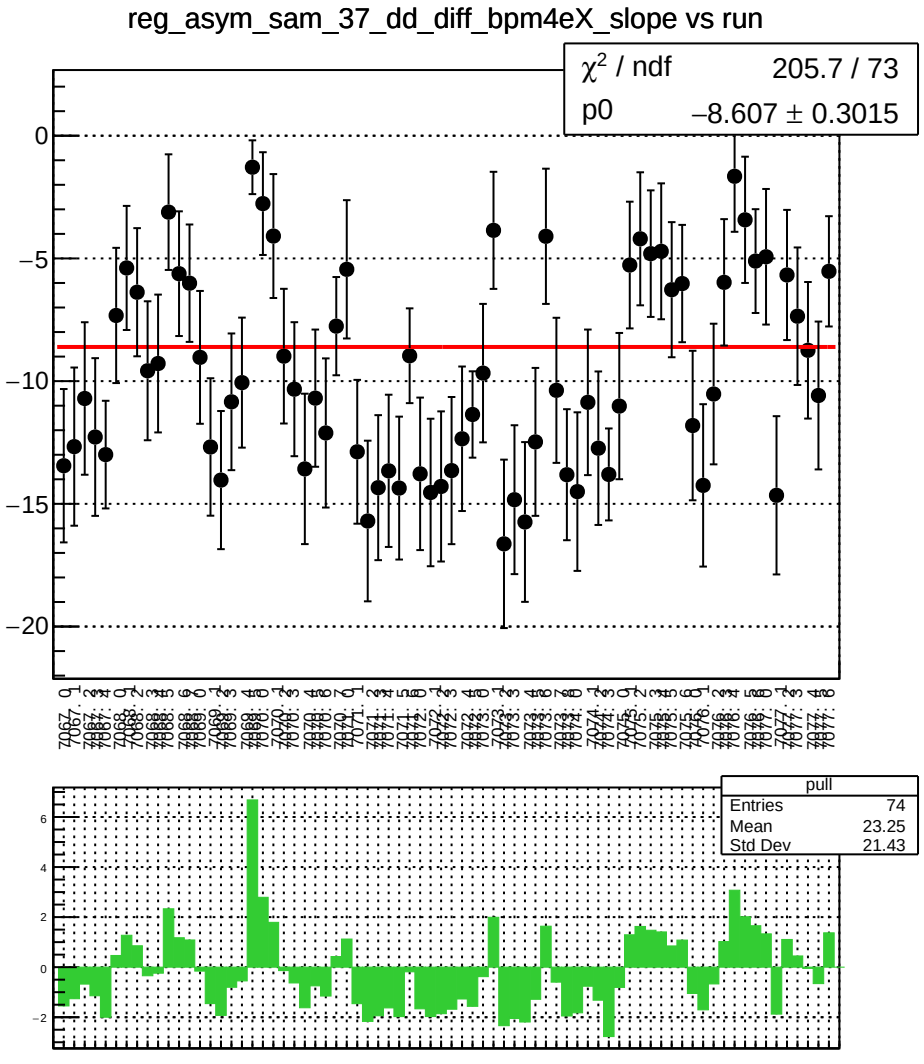

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 205.6 / 73
p0 −1.74 ± 0.4948
pull
Entries 74
Mean 2.39
Std Dev 57.76
pull1D
Entries 74
Mean 0.07888
Std Dev 1.665

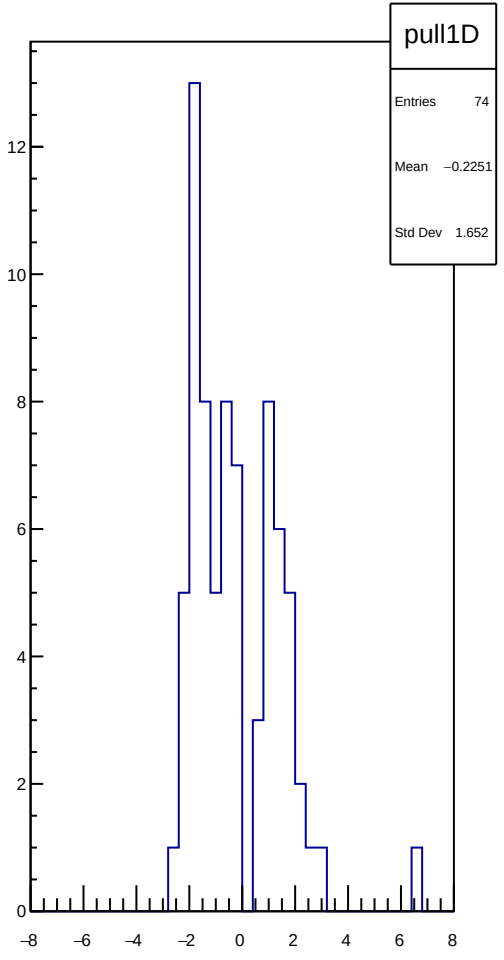

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 10.89 / 73
p0 0.2616 ± 0.02253
pull
Entries 74
Mean 167.5
Std Dev 166.2

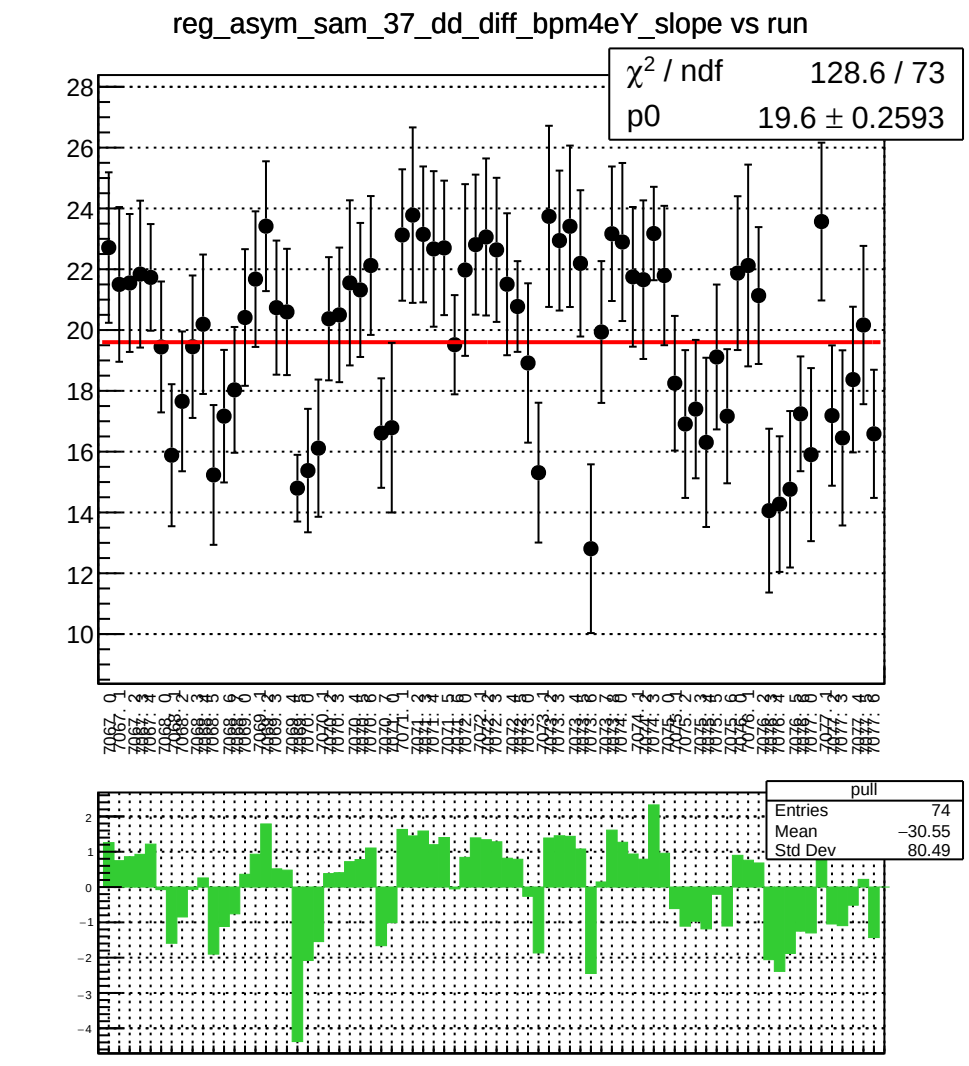

pull1D
Entries 74
Mean 0.004581
Std Dev 0.3836

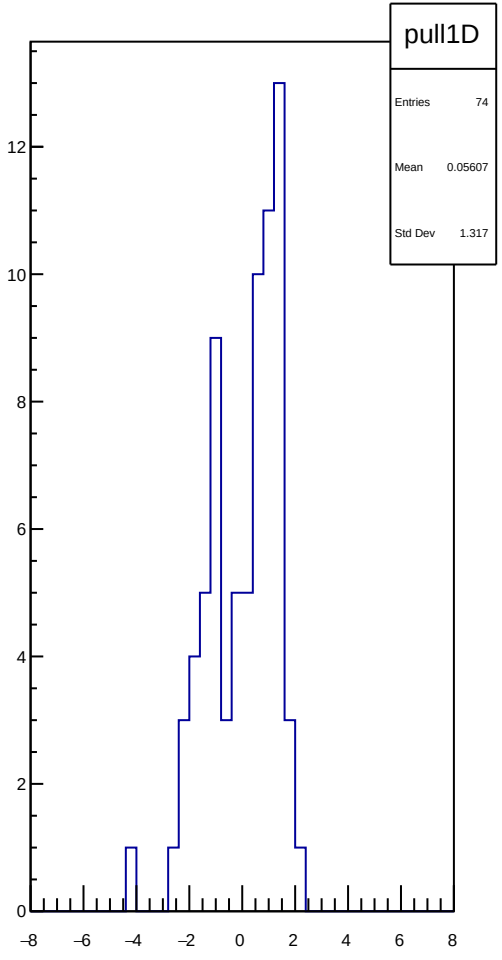

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 387.7 / 73
p0 −28.86 ± 0.3131
pull
Entries 74
Mean 17.91
Std Dev 21.15
pull1D
Entries 74
Mean 0.434
Std Dev 1.997

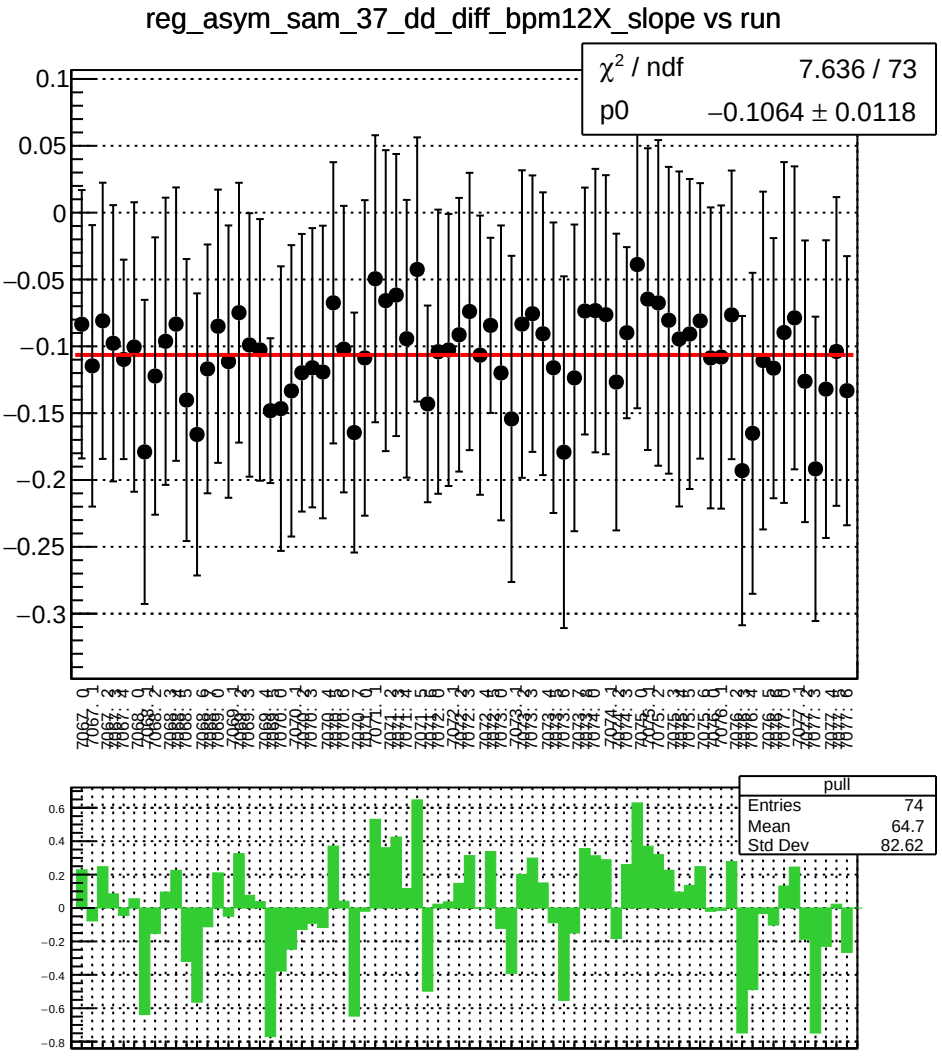

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 128.5 / 73
p0 −4.833 ± 0.2487
pull
Entries 74
Mean −82.28
Std Dev 127.4
pull1D
Entries 74
Mean −0.04179
Std Dev 1.317

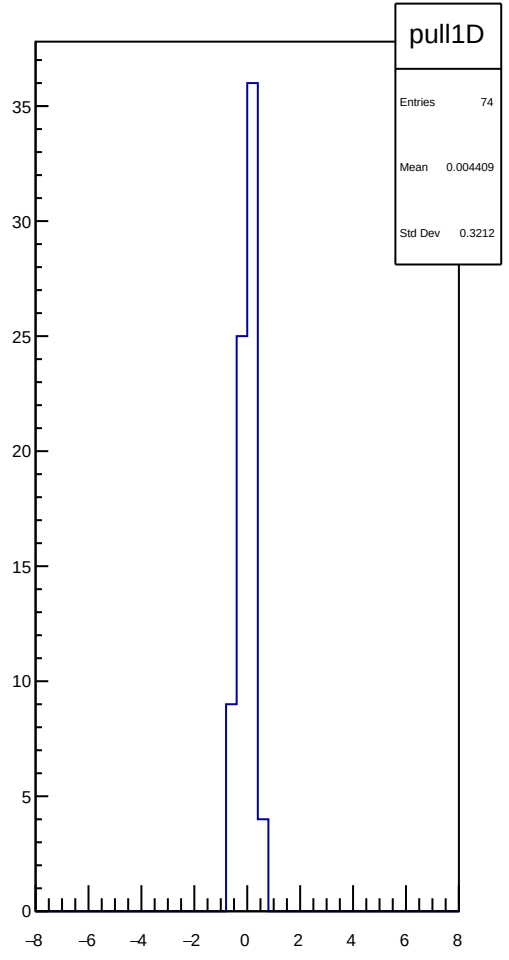

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 205.7 / 73
p0 −8.607 ± 0.3015
pull
Entries 74
Mean 23.25
Std Dev 21.43

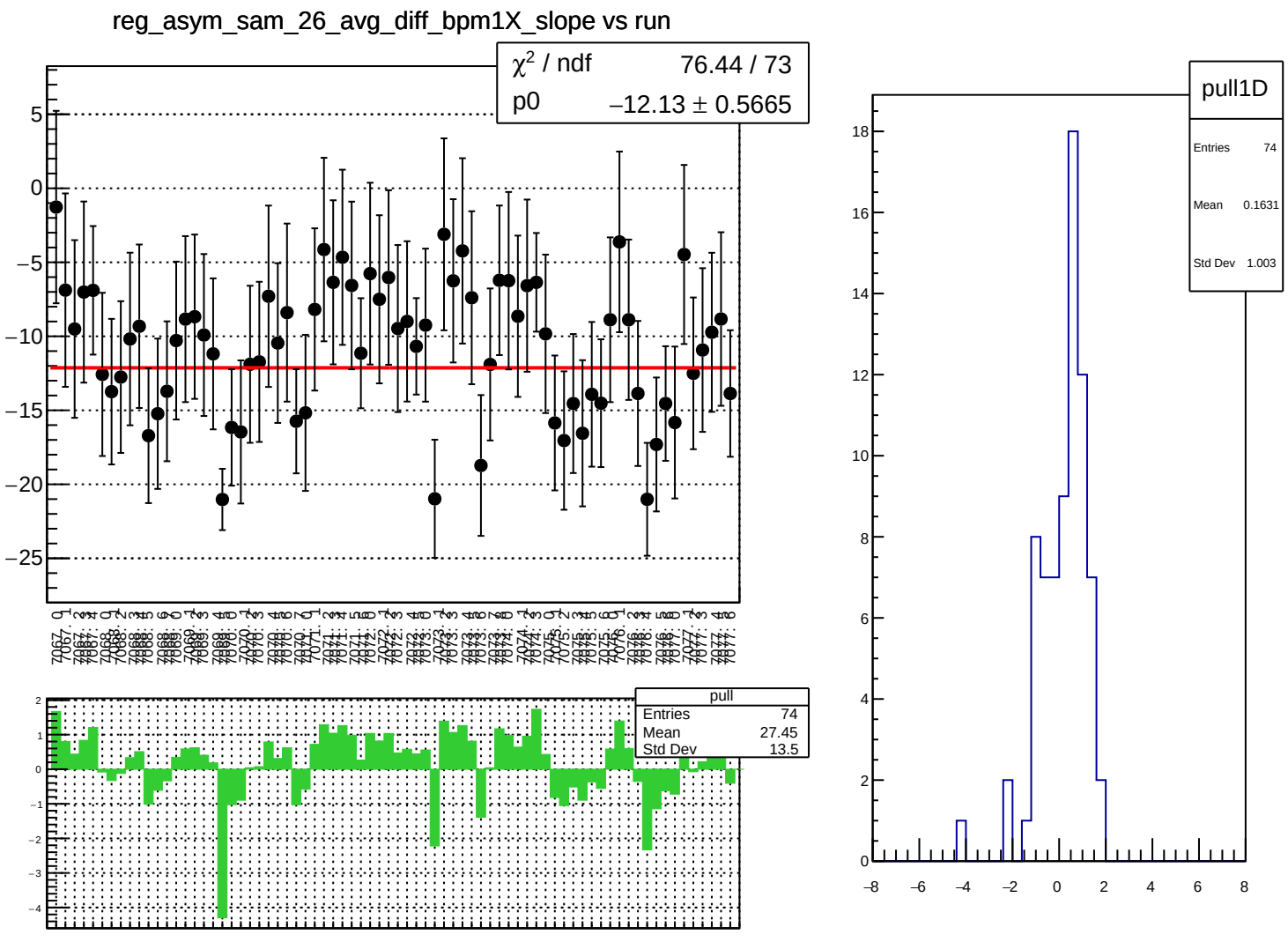

pull1D
Entries 74
Mean −0.2251
Std Dev 1.652

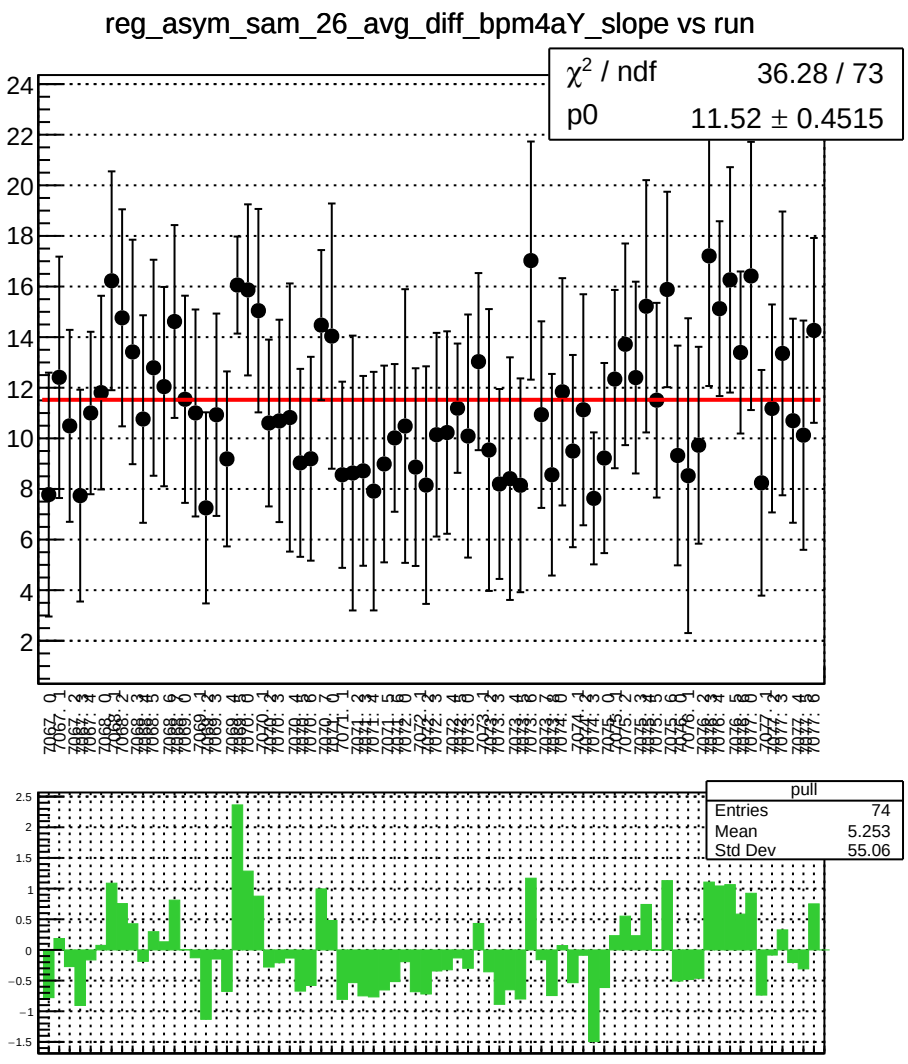

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 128.6 / 73
p0 19.6 ± 0.2593
pull
Entries 74
Mean −30.55
Std Dev 80.49

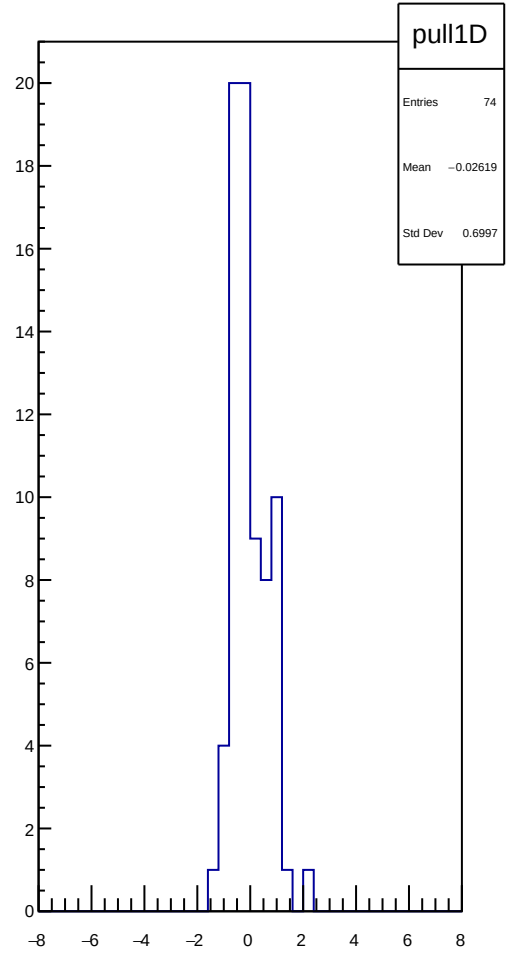

pull1D
Entries 74
Mean 0.05607
Std Dev 1.317

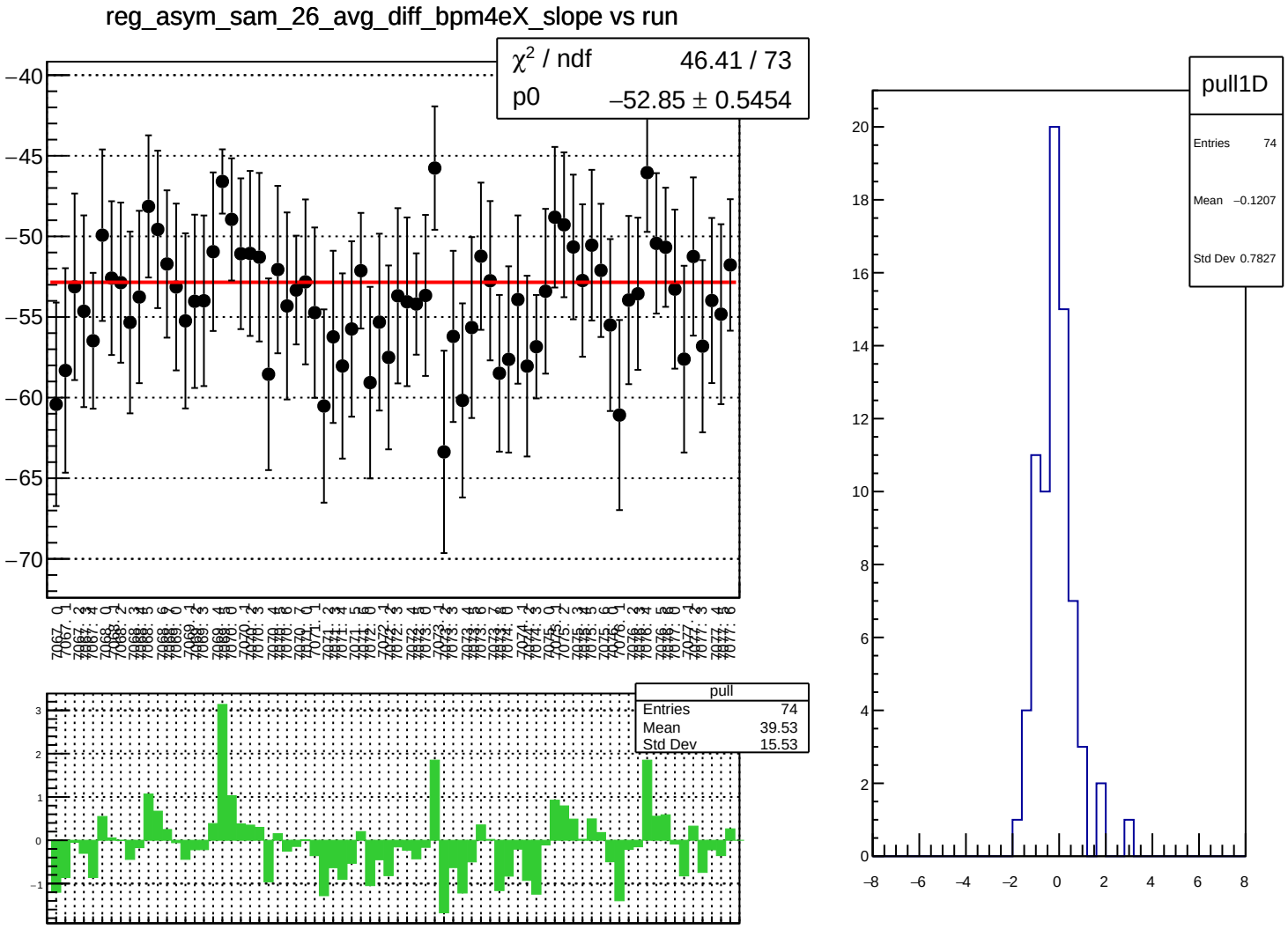

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.636 / 73
p0 −0.1064 ± 0.0118
pull
Entries 74
Mean 64.7
Std Dev 82.62

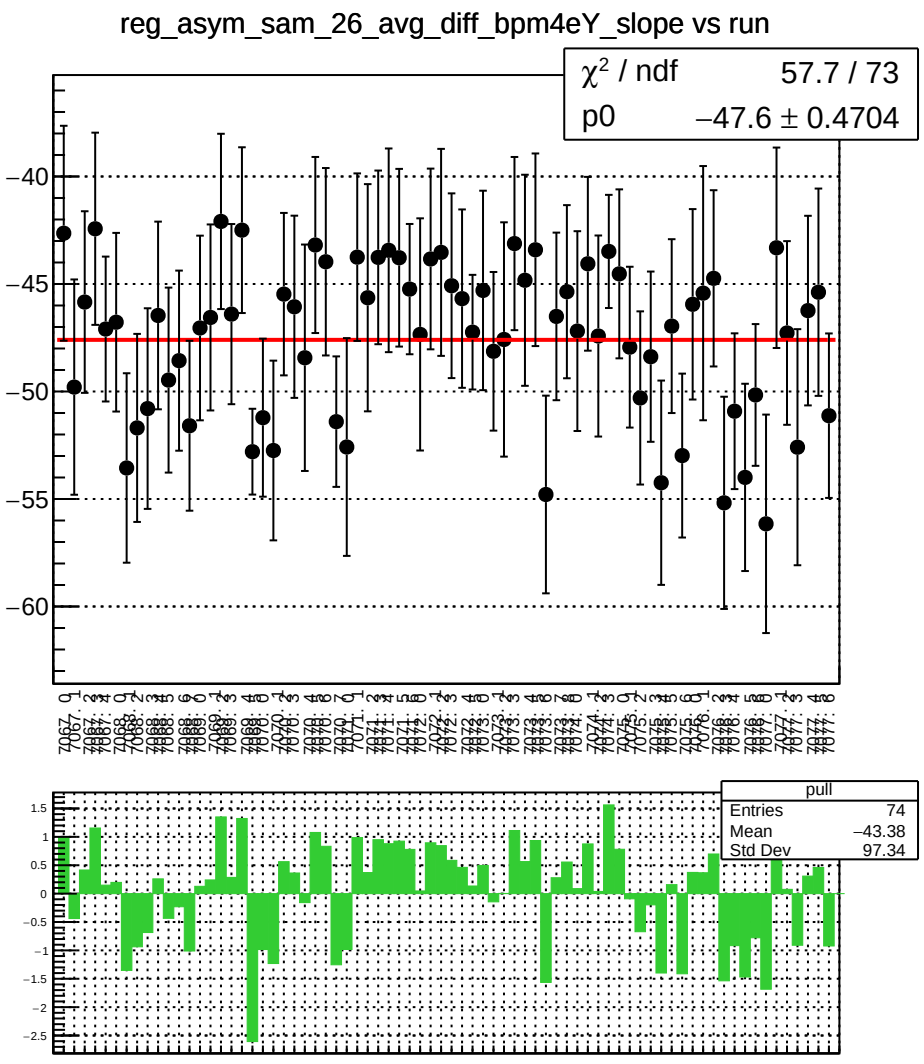

pull1D
Entries 74
Mean 0.004409
Std Dev 0.3212

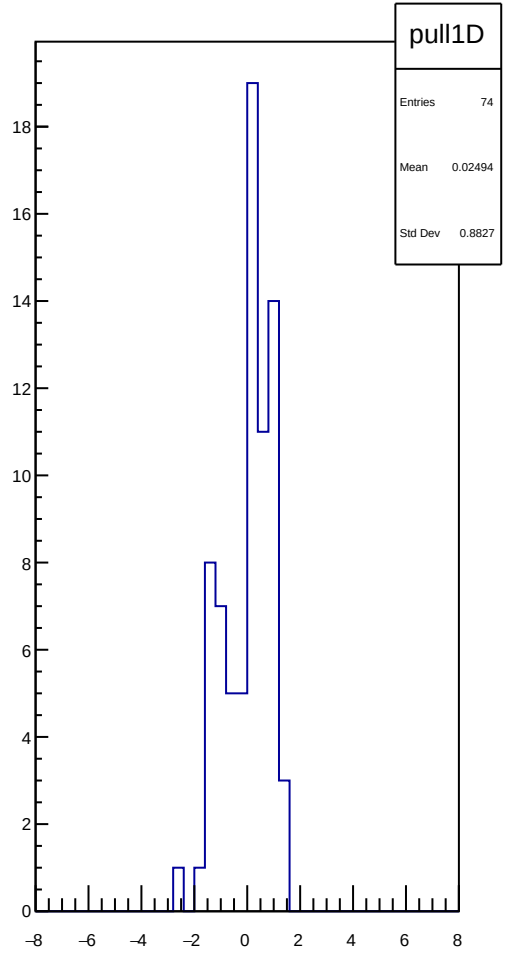

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 76.44 / 73
p0 −12.13 ± 0.5665
pull
Entries 74
Mean 27.45
Std Dev 13.5
pull1D
Entries 74
Mean 0.1631
Std Dev 1.003

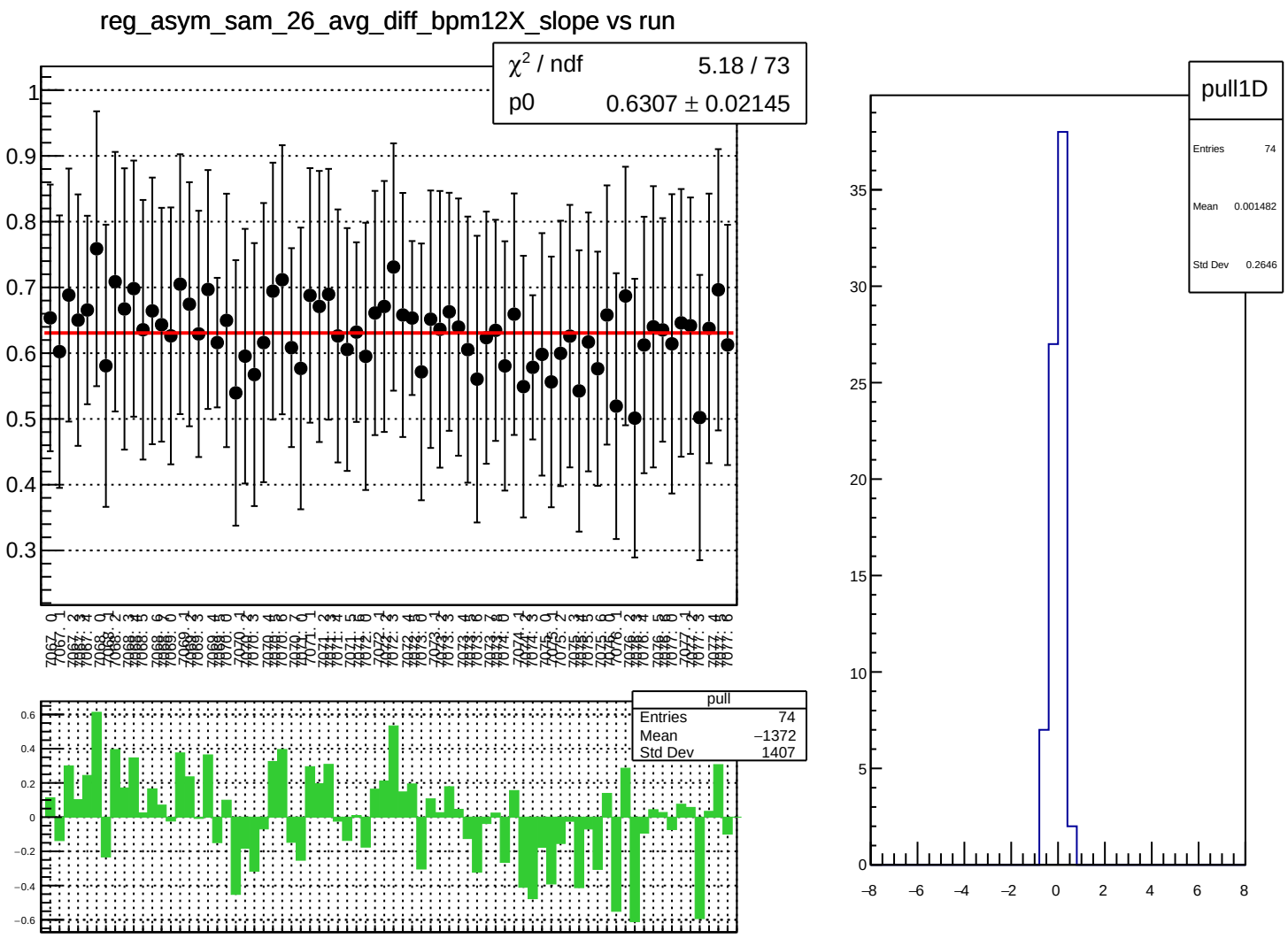

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.28 / 73
p0 11.52 ± 0.4515
pull
Entries 74
Mean 5.253
Std Dev 55.06

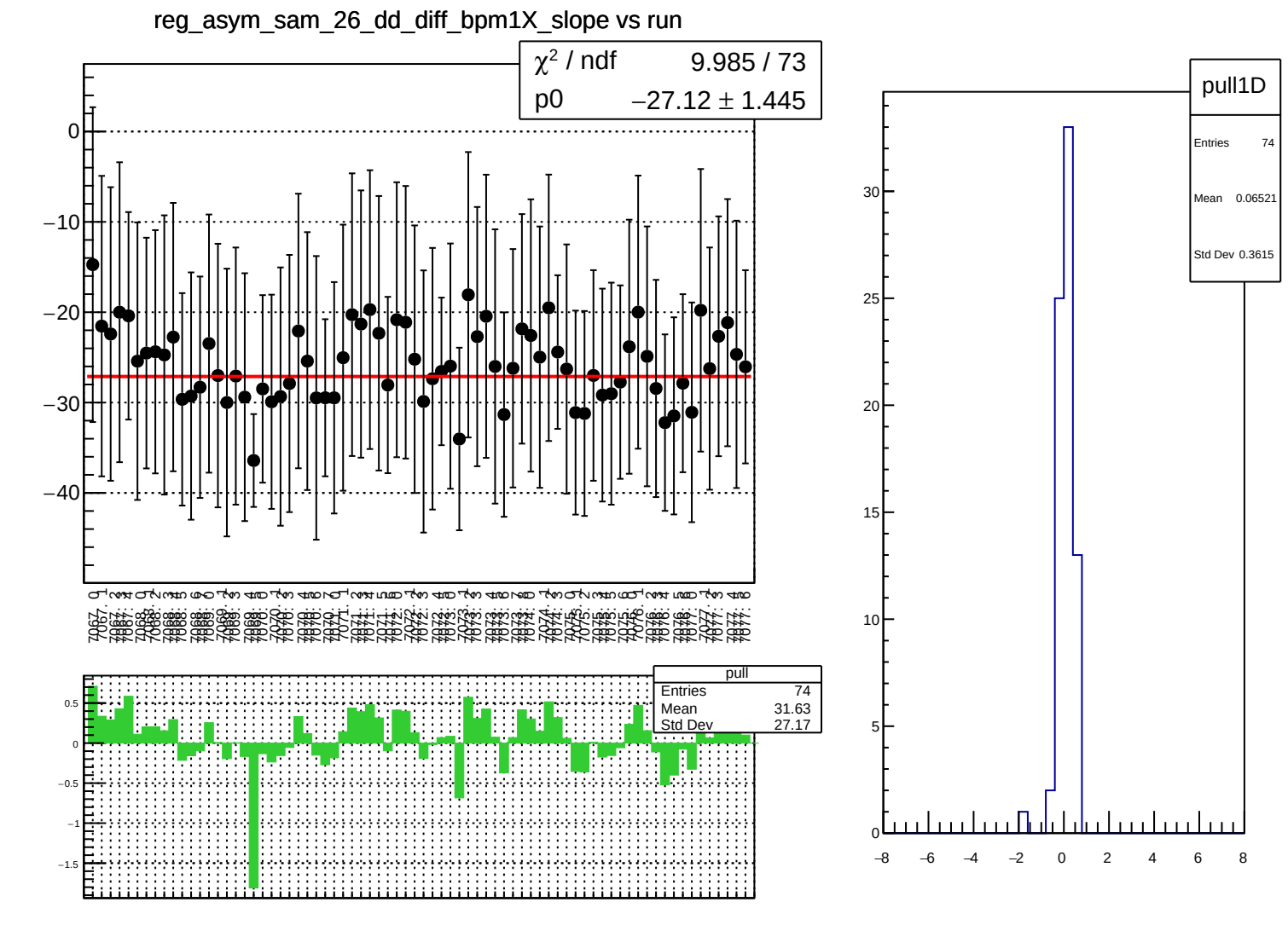

pull1D
Entries 74
Mean −0.02619
Std Dev 0.6997

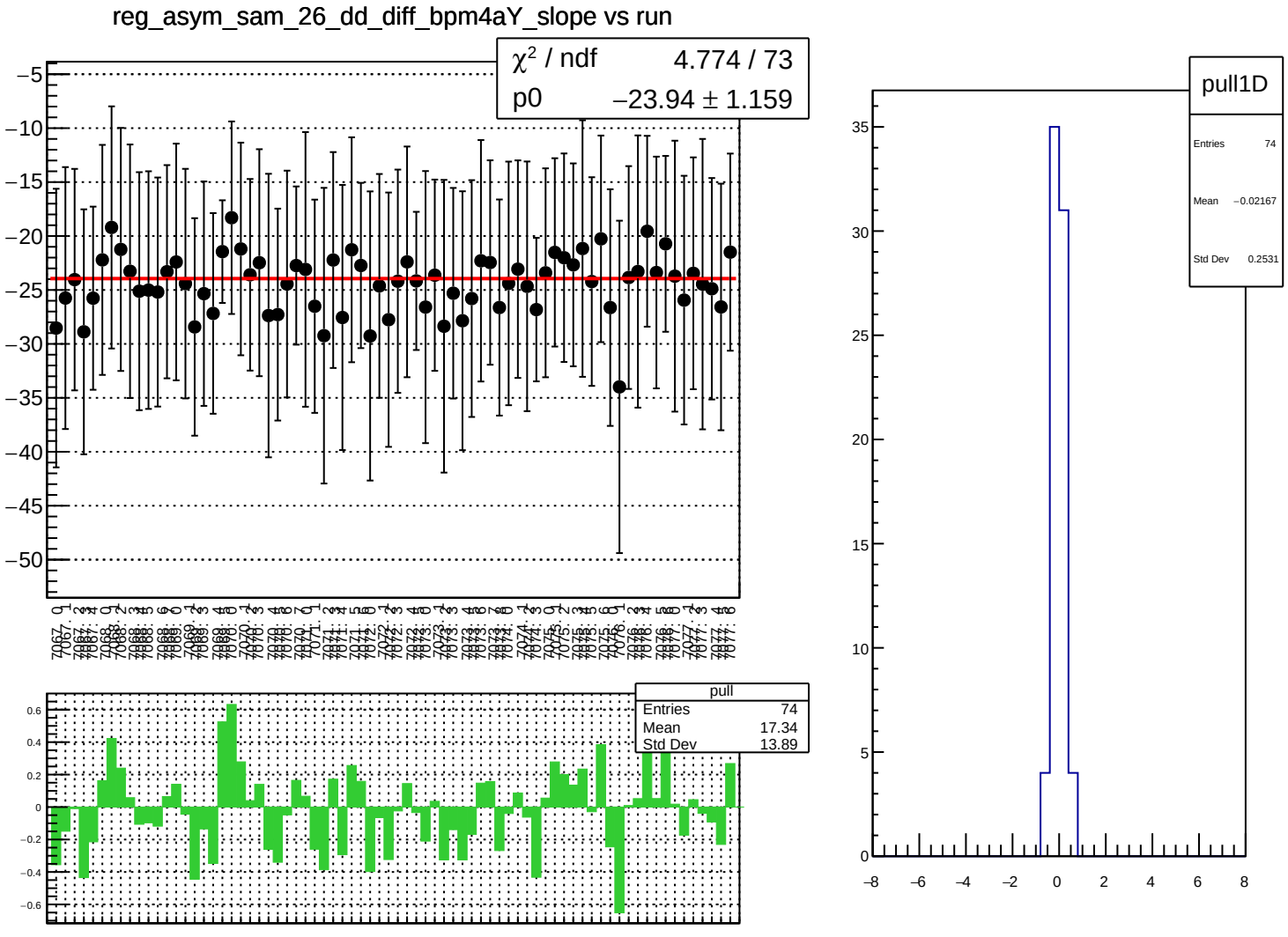

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.41 / 73
p0 −52.85 ± 0.5454
pull
Entries 74
Mean 39.53
Std Dev 15.53
pull1D
Entries 74
Mean −0.1207
Std Dev 0.7827

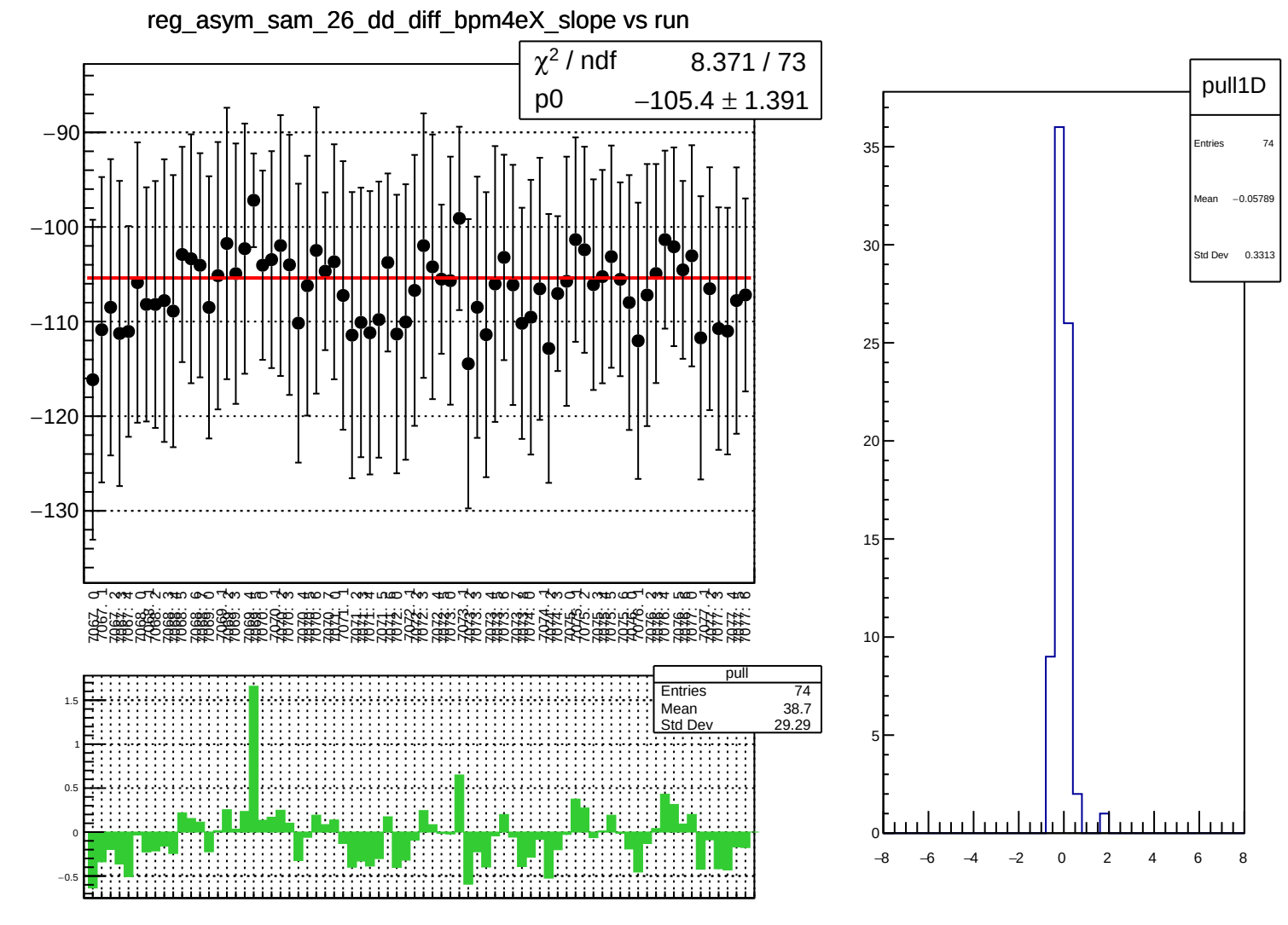

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.7 / 73
p0 −47.6 ± 0.4704
pull
Entries 74
Mean −43.38
Std Dev 97.34

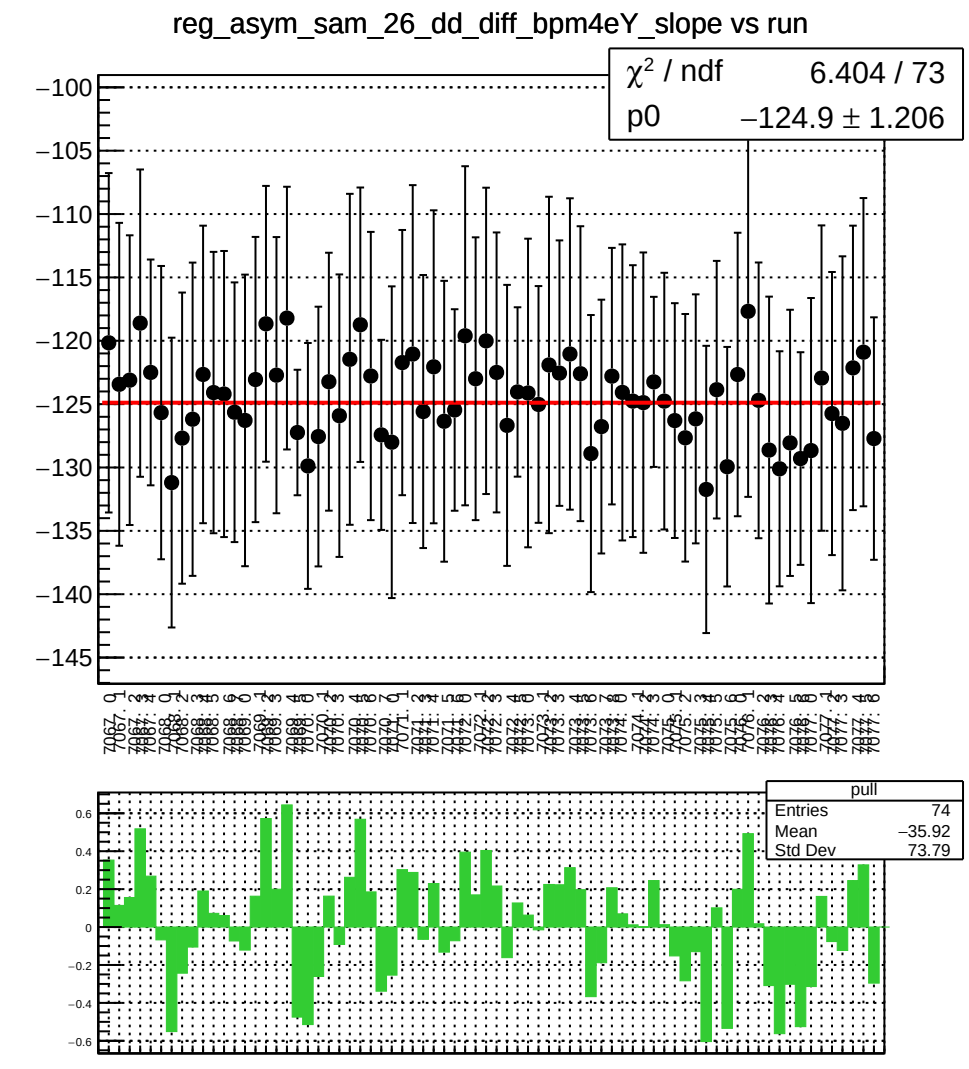

pull1D
Entries 74
Mean 0.02494
Std Dev 0.8827

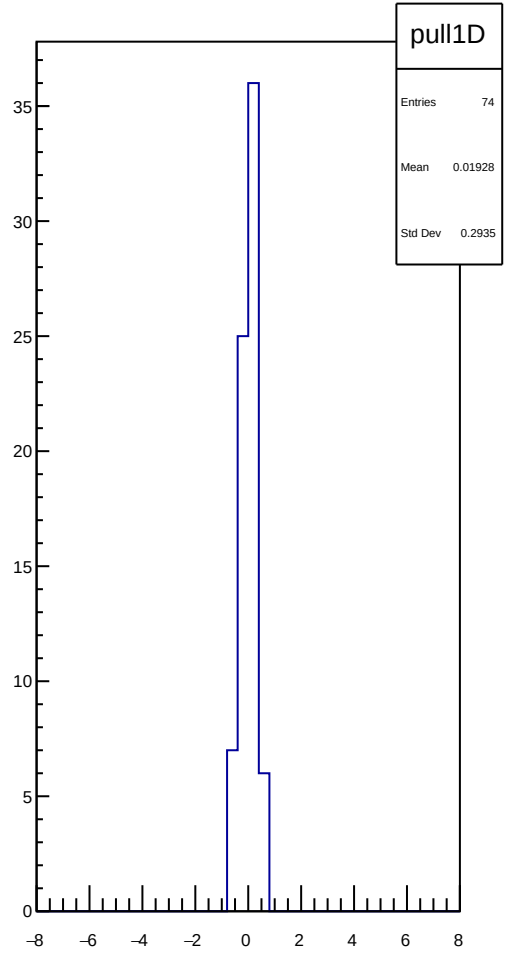

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 5.18 / 73
p0 0.6307 ± 0.02145
pull
Entries 74
Mean −1372
Std Dev 1407
pull1D
Entries 74
Mean 0.001482
Std Dev 0.2646

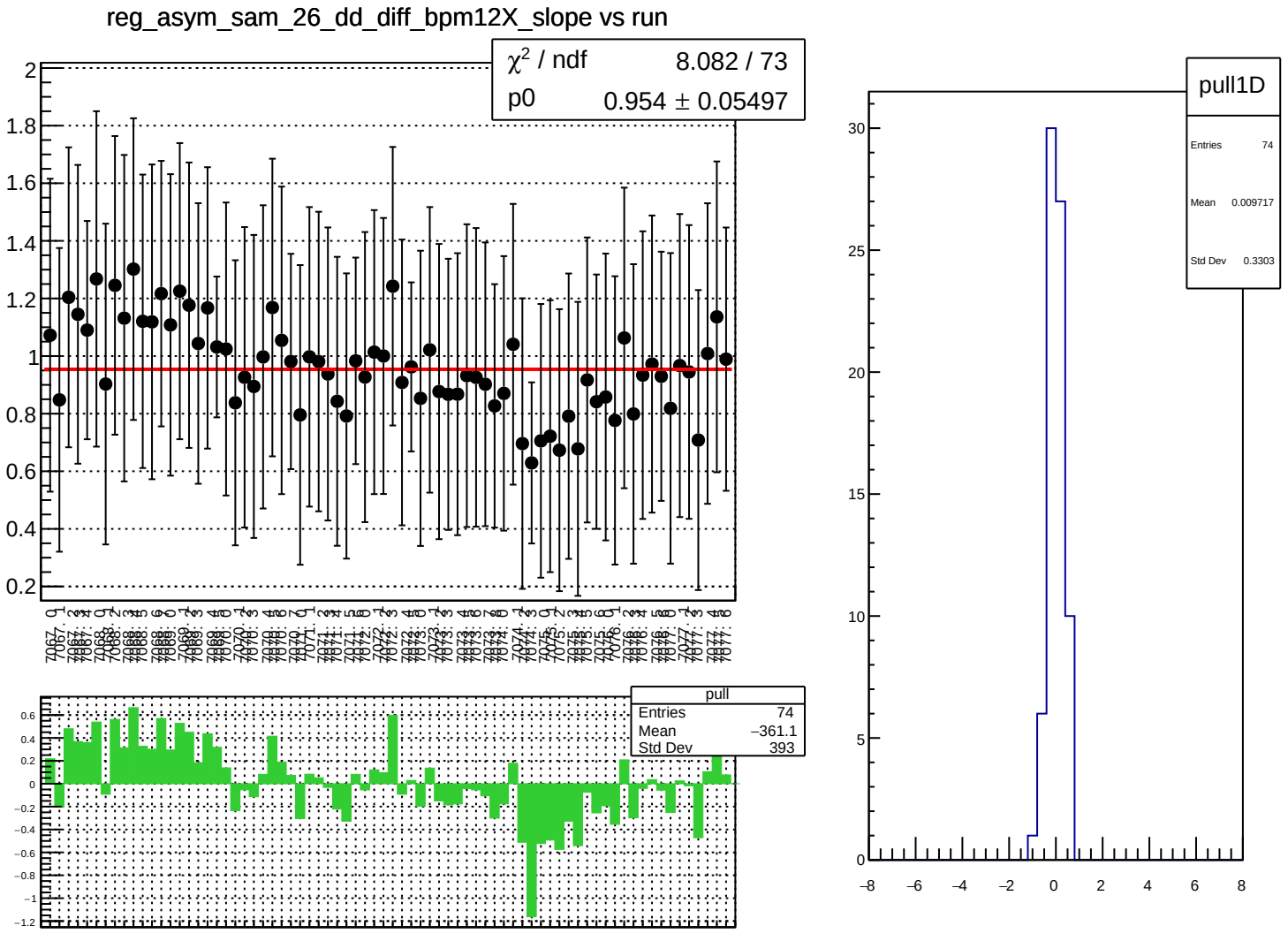

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.985 / 73
p0 −27.12 ± 1.445
pull
Entries 74
Mean 31.63
Std Dev 27.17
pull1D
Entries 74
Mean 0.06521
Std Dev 0.3615

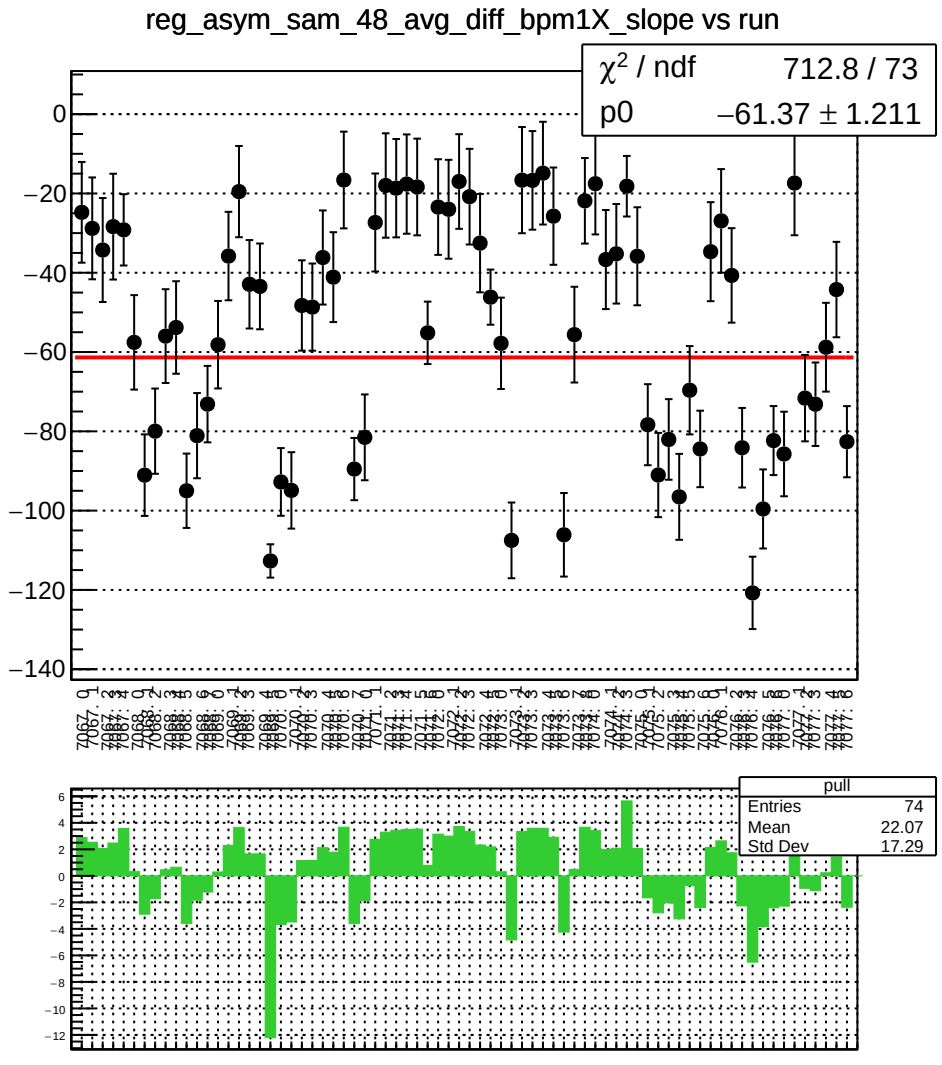

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.774 / 73
p0 −23.94 ± 1.159
pull
Entries 74
Mean 17.34
Std Dev 13.89
pull1D
Entries 74
Mean −0.02167
Std Dev 0.2531

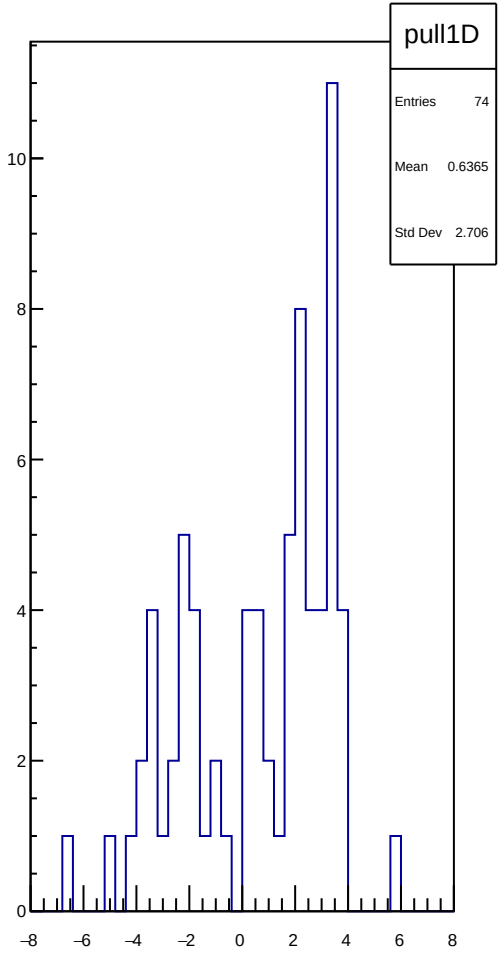

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.371 / 73
p0 −105.4 ± 1.391
−90
−100
−110
−120
−130
pull
Entries 74
Mean 38.7
Std Dev 29.29
1.5
1
0.5
0
−0.5
pull1D
Entries 74
Mean −0.05789
Std Dev 0.3313
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

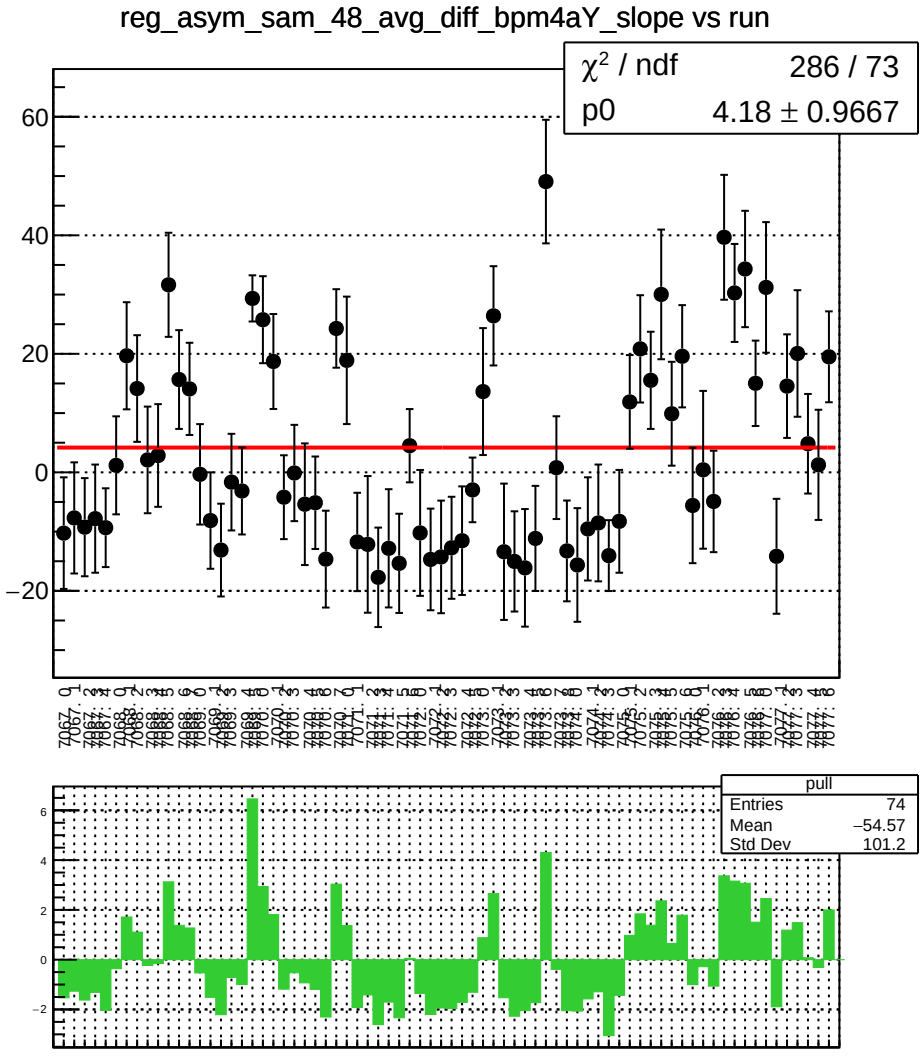

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.404 / 73
p0 −124.9 ± 1.206
pull
Entries 74
Mean −35.92
Std Dev 73.79

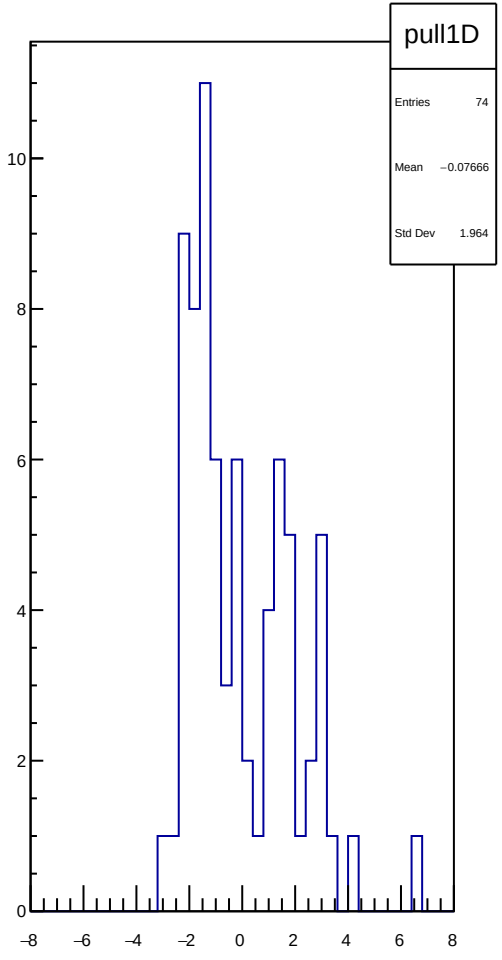

pull1D
Entries 74
Mean 0.01928
Std Dev 0.2935

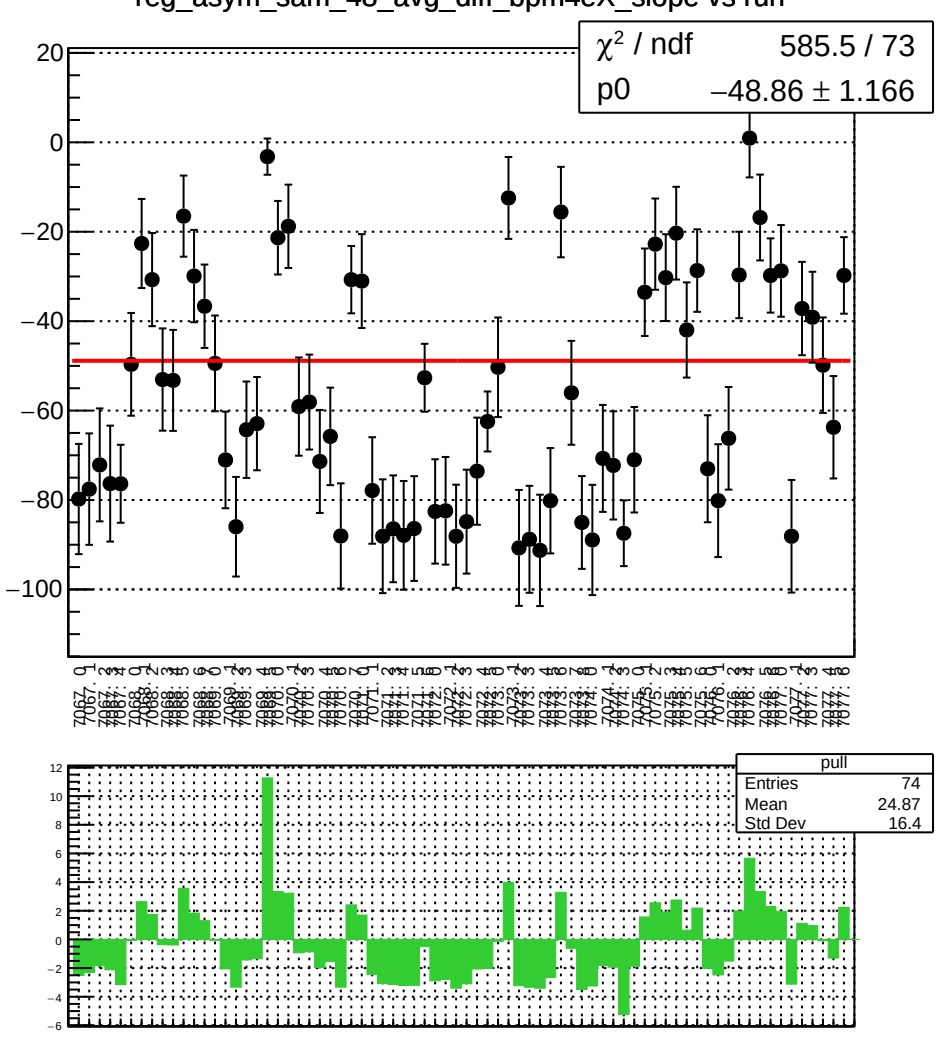

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.082 / 73
p0 0.954 ± 0.05497
pull
Entries 74
Mean −361.1
Std Dev 393
pull1D
Entries 74
Mean 0.009717
Std Dev 0.3303

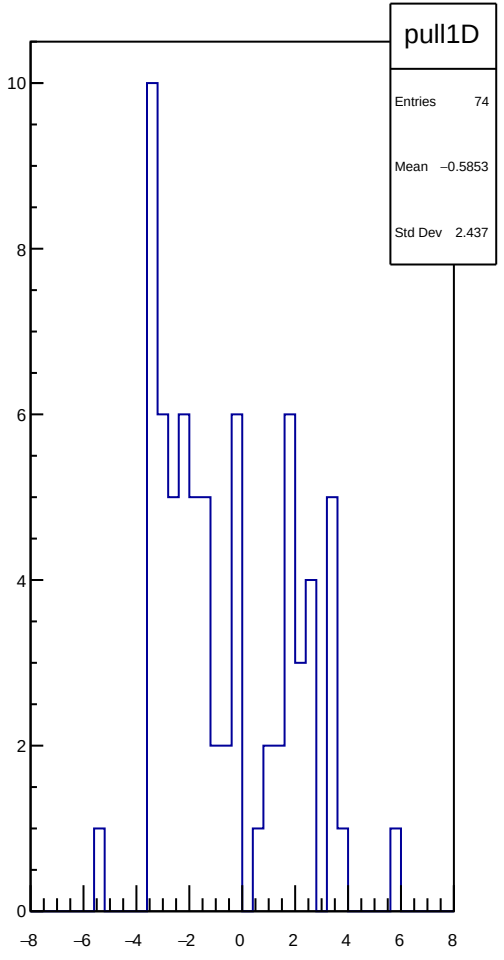

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 712.8 / 73
p0 −61.37 ± 1.211
pull
Entries 74
Mean 22.07
Std Dev 17.29

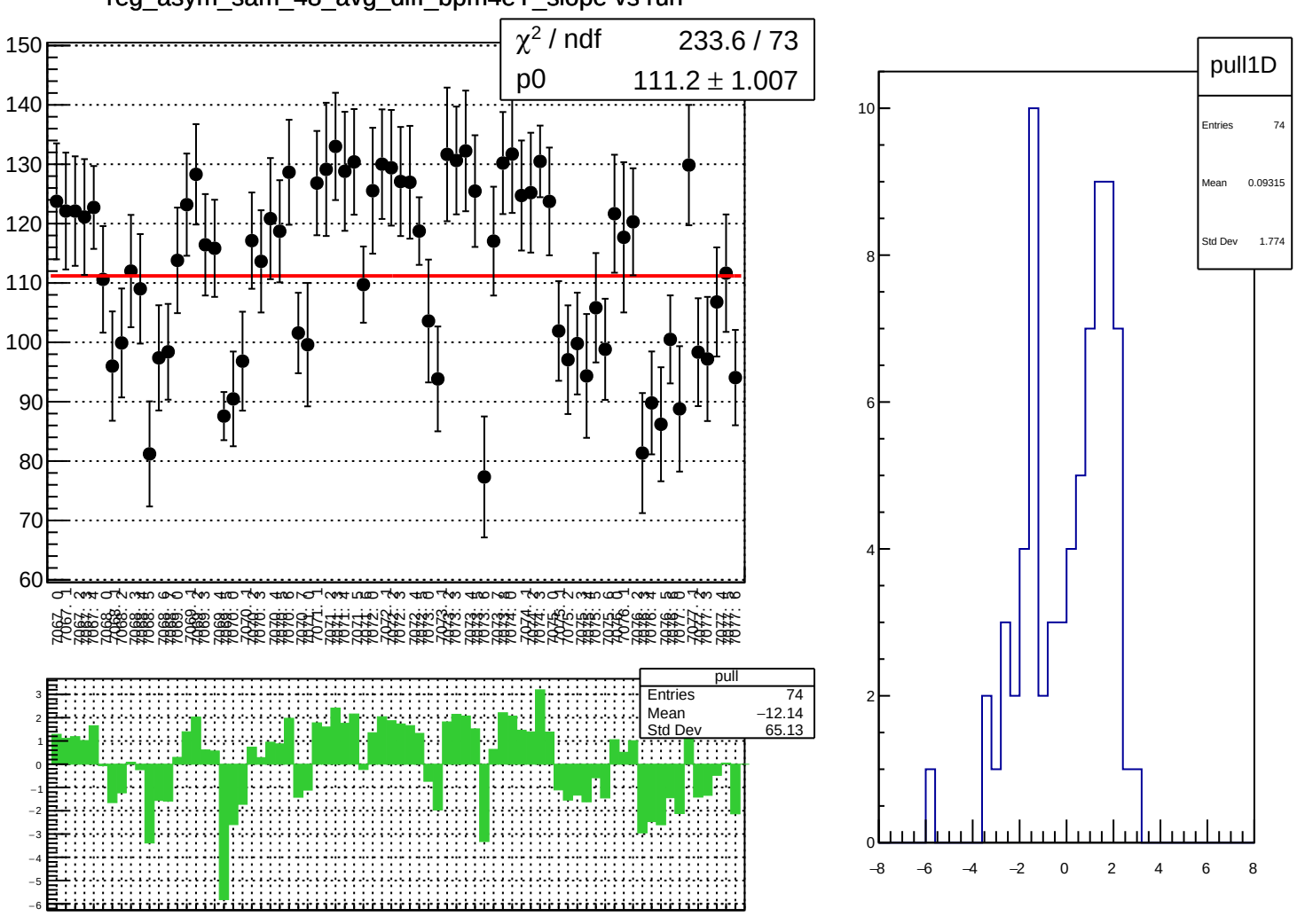

pull1D
Entries 74
Mean 0.6365
Std Dev 2.706

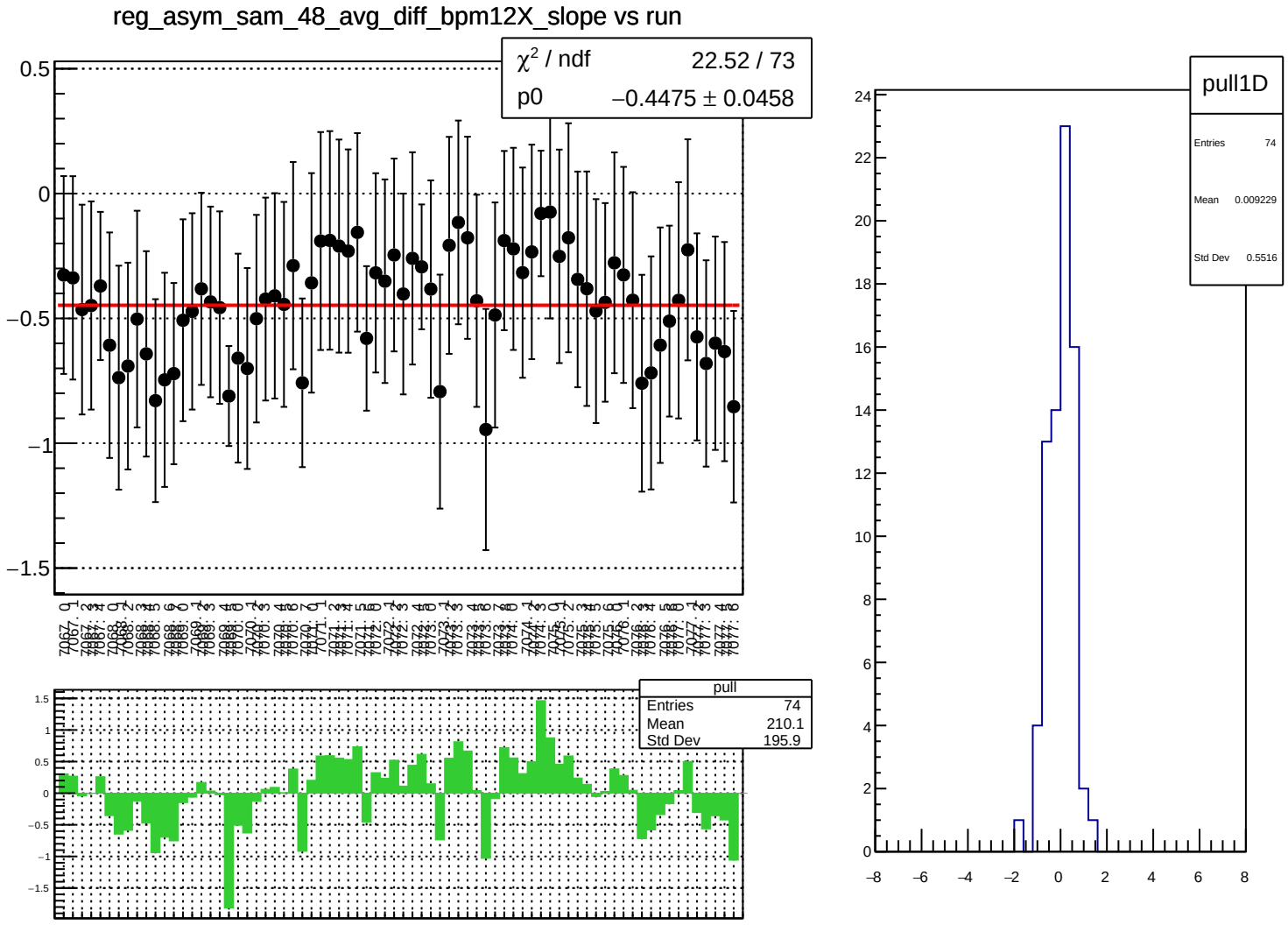

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 286 / 73
p0 4.18 ± 0.9667
pull
Entries 74
Mean −54.57
Std Dev 101.2

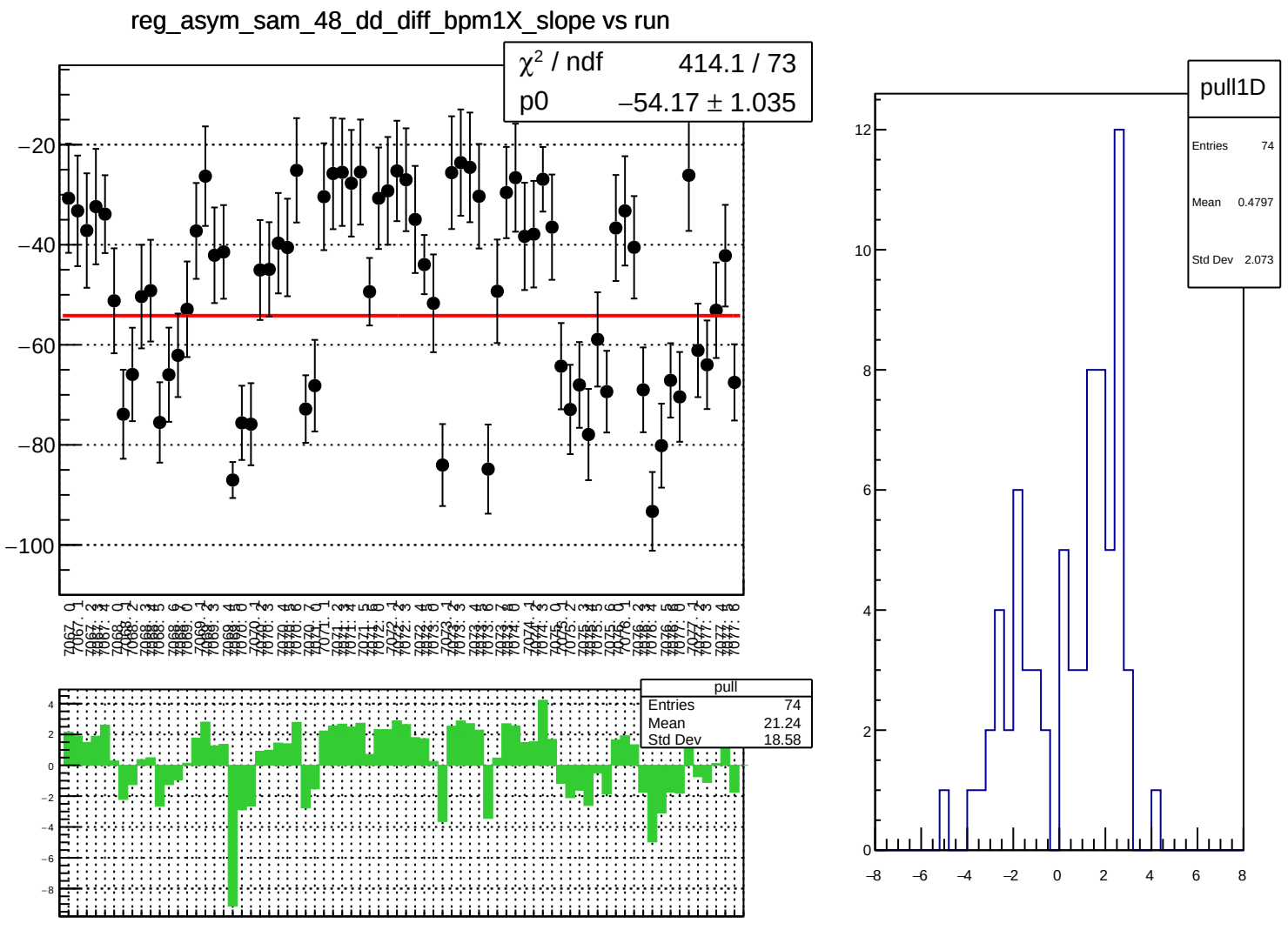

pull1D
Entries 74
Mean −0.07666
Std Dev 1.964

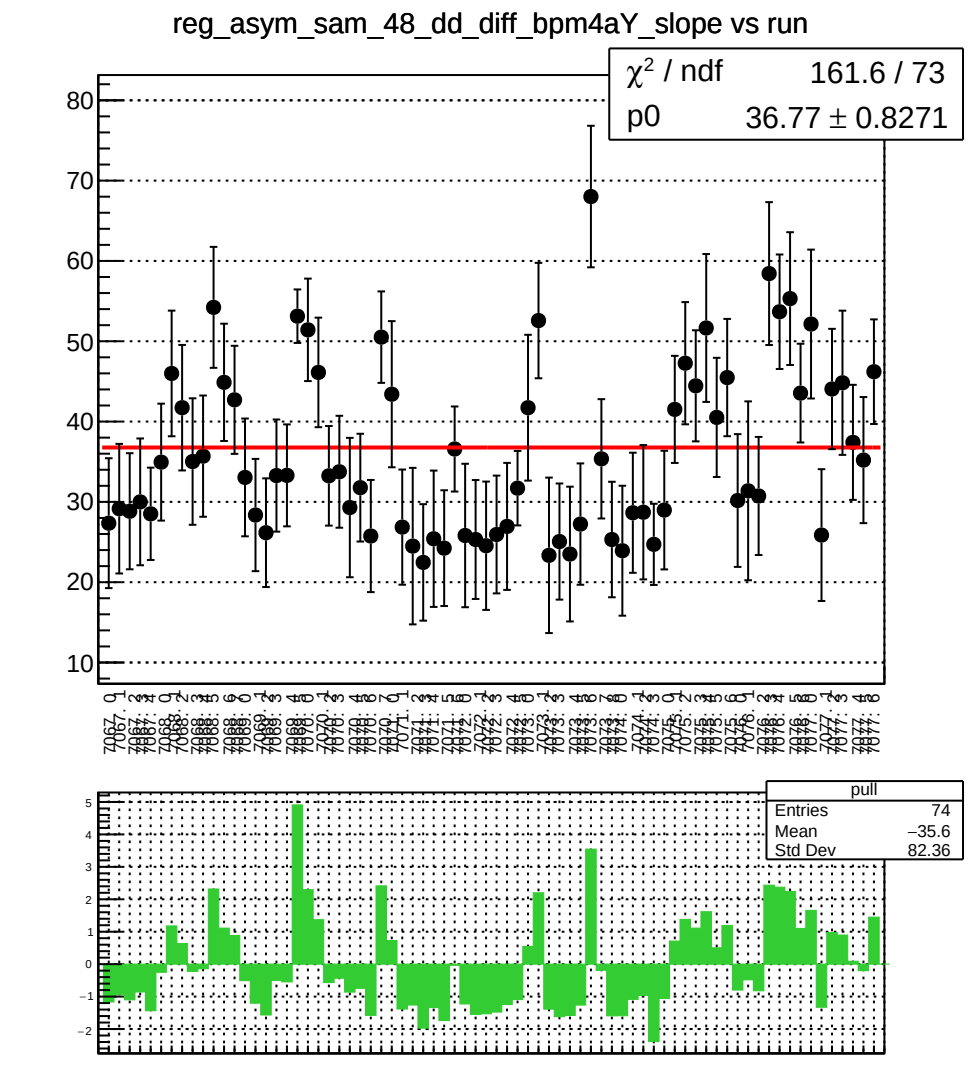

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 585.5 / 73
p0 −48.86 ± 1.166
pull
Entries 74
Mean 24.87
Std Dev 16.4

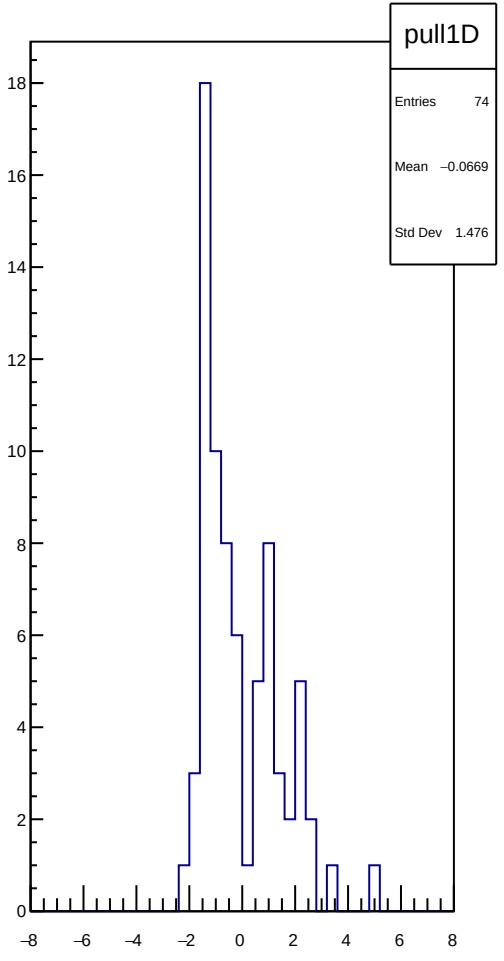

pull1D
Entries 74
Mean −0.5853
Std Dev 2.437

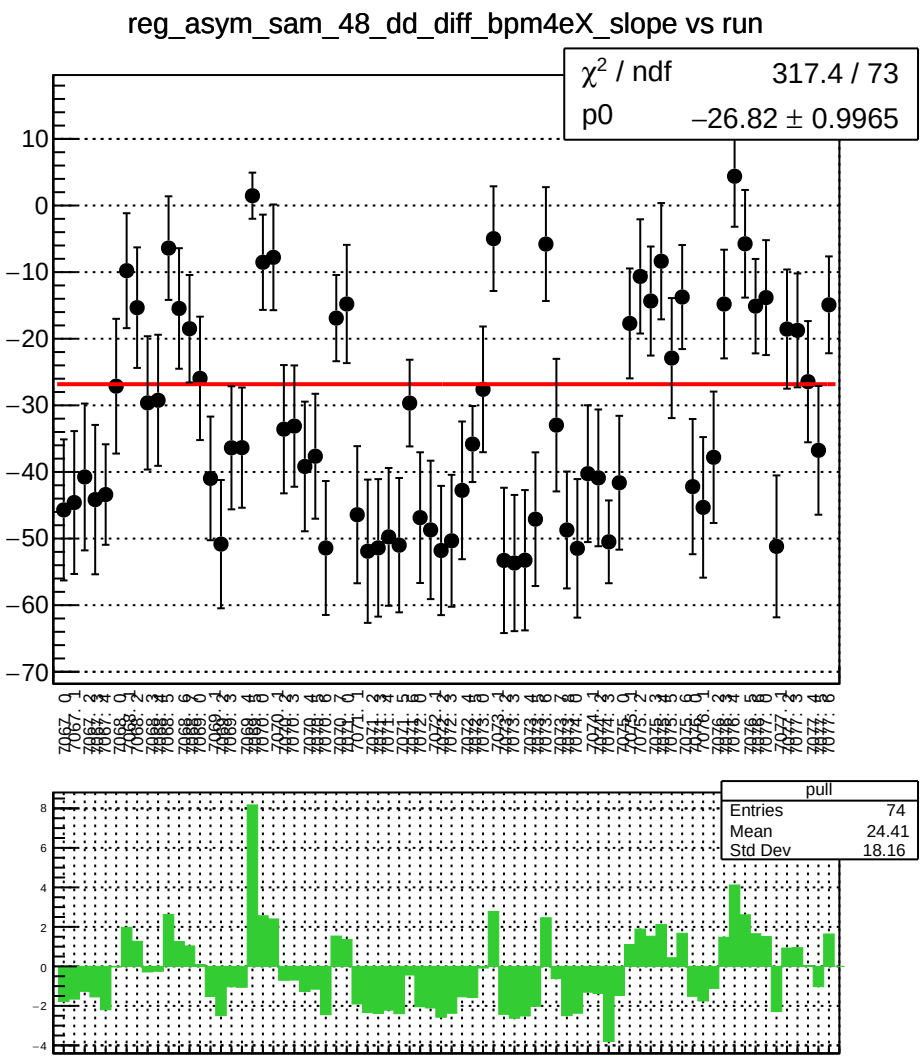

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 233.6 / 73
p0 111.2 ± 1.007
pull
Entries 74
Mean −12.14
Std Dev 65.13
pull1D
Entries 74
Mean 0.09315
Std Dev 1.774

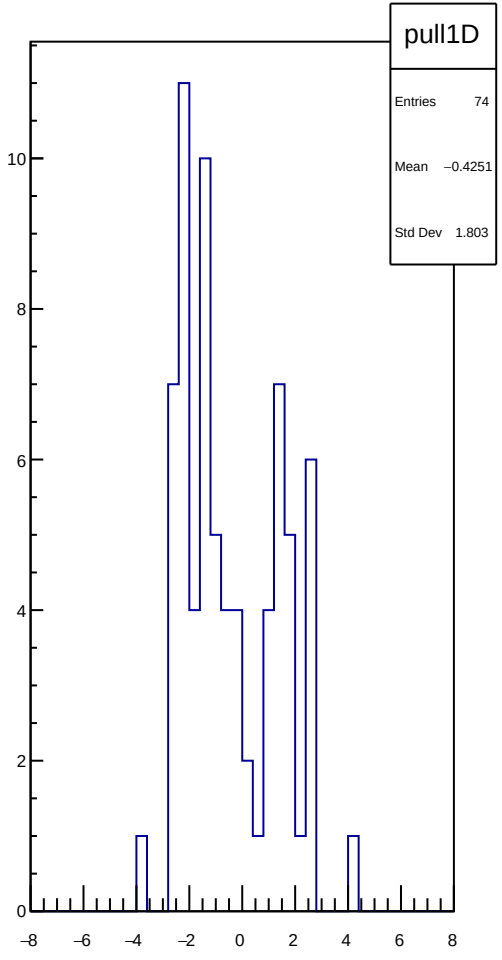

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 22.52 / 73
p0 −0.4475 ± 0.0458
pull
Entries 74
Mean 210.1
Std Dev 195.9
pull1D
Entries 74
Mean 0.009229
Std Dev 0.5516

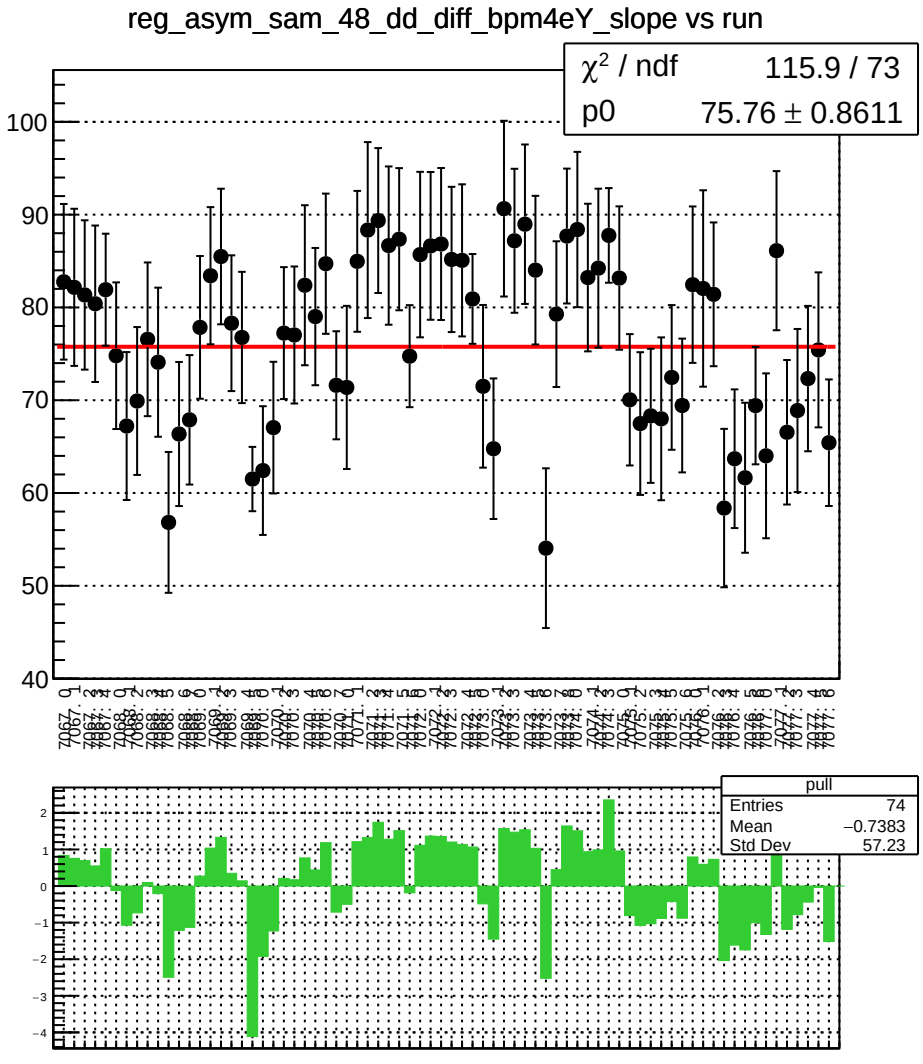

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 414.1 / 73
p0 −54.17 ± 1.035
−20
−40
−60
−80
−100
pull
Entries 74
Mean 21.24
Std Dev 18.58
pull1D
Entries 74
Mean 0.4797
Std Dev 2.073

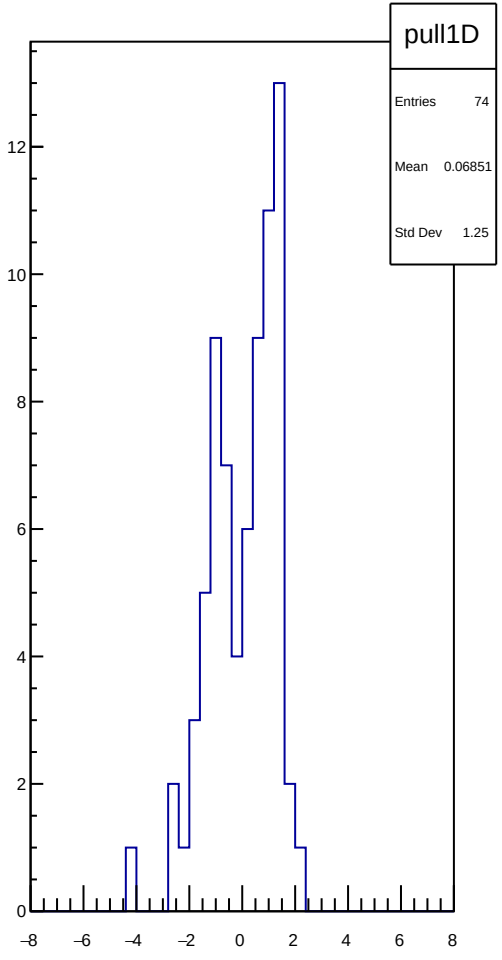

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 161.6 / 73
p0 36.77 ± 0.8271
pull
Entries 74
Mean −35.6
Std Dev 82.36

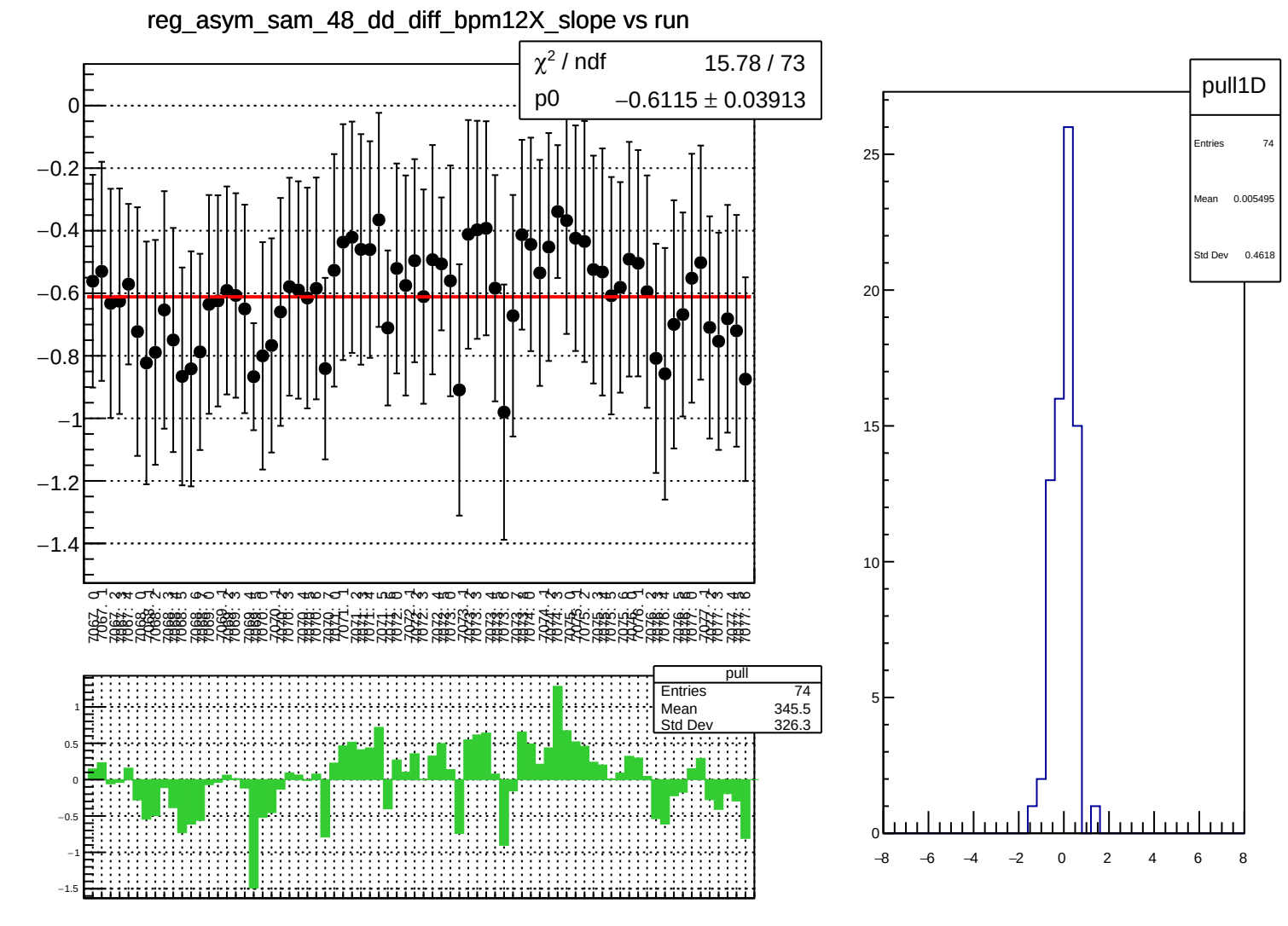

pull1D
Entries 74
Mean −0.0669
Std Dev 1.476

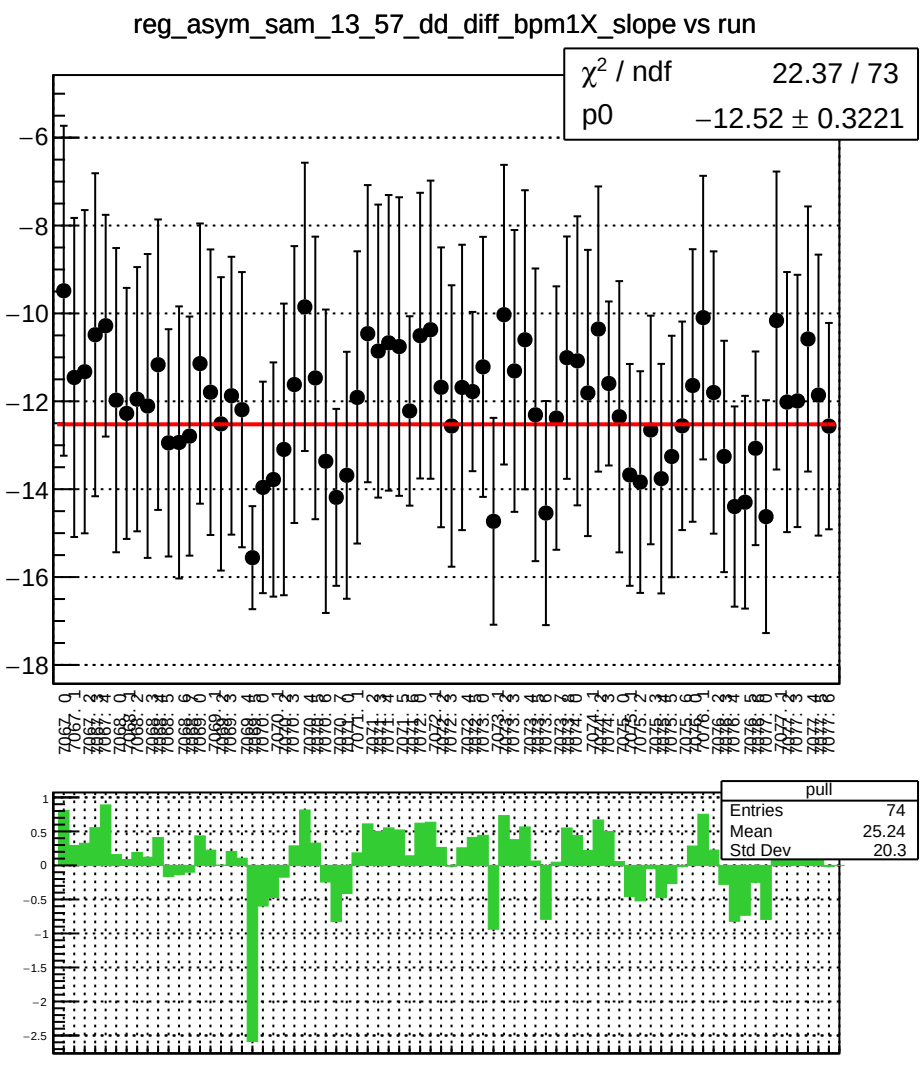

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 317.4 / 73
p0 −26.82 ± 0.9965
pull
Entries 74
Mean 24.41
Std Dev 18.16

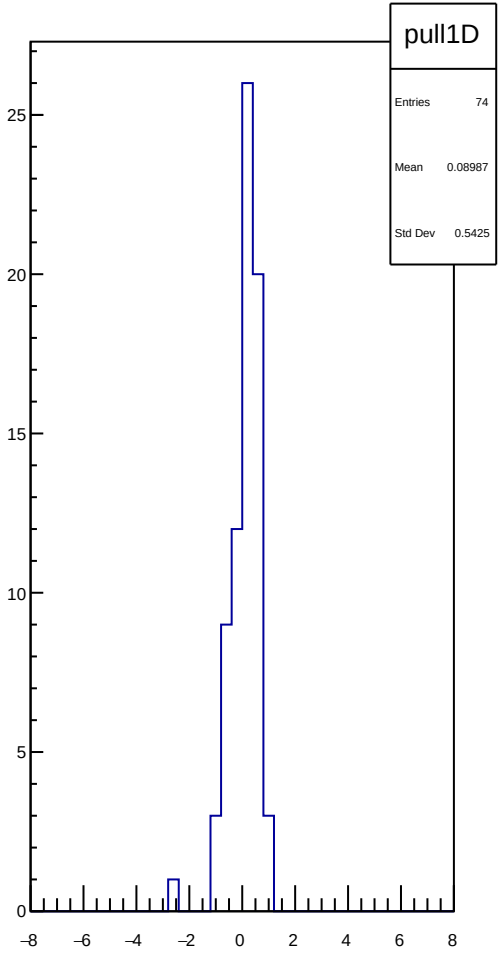

pull1D
Entries 74
Mean −0.4251
Std Dev 1.803

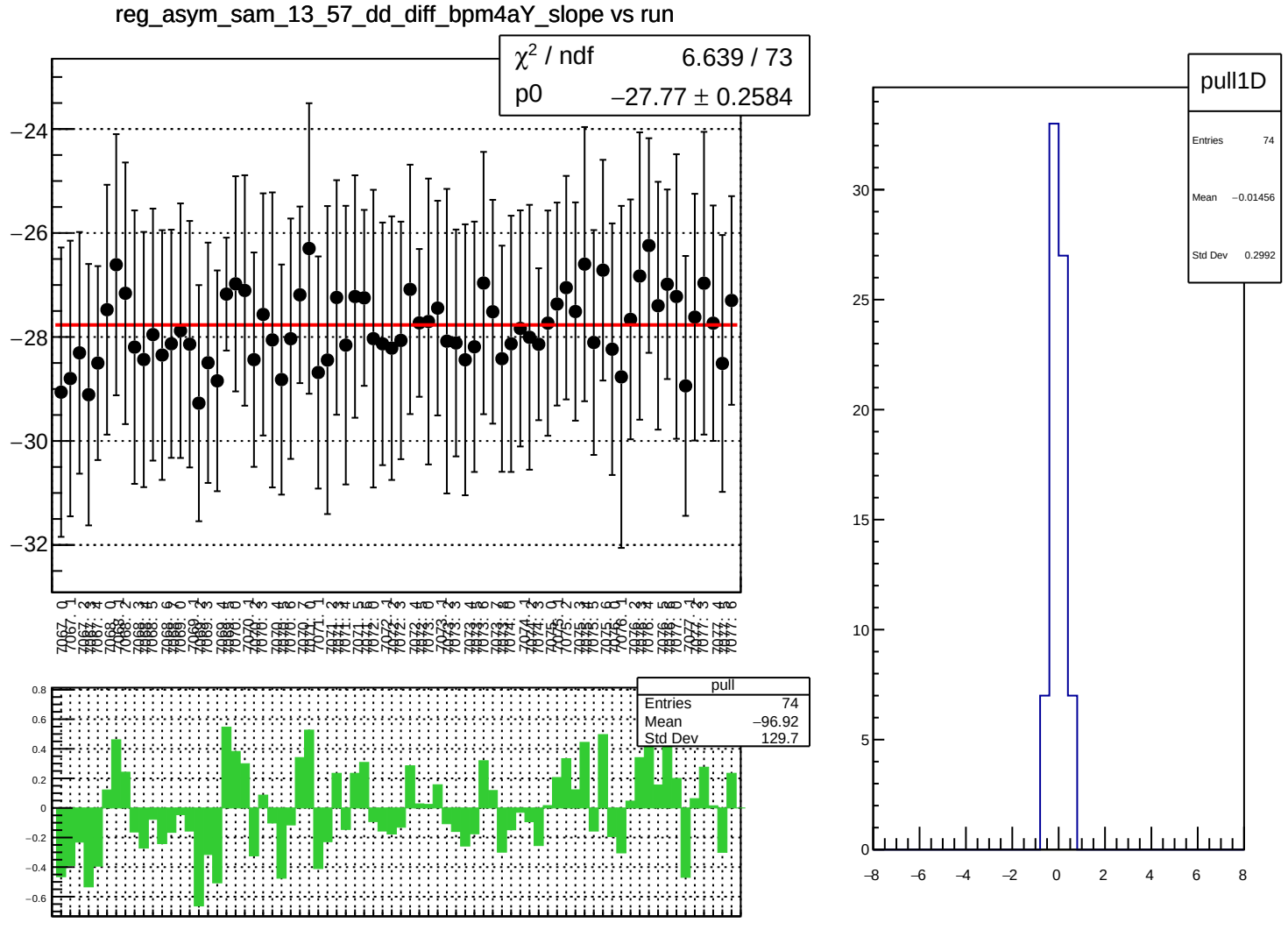

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 115.9 / 73
p0 75.76 ± 0.8611
pull
Entries 74
Mean −0.7383
Std Dev 57.23

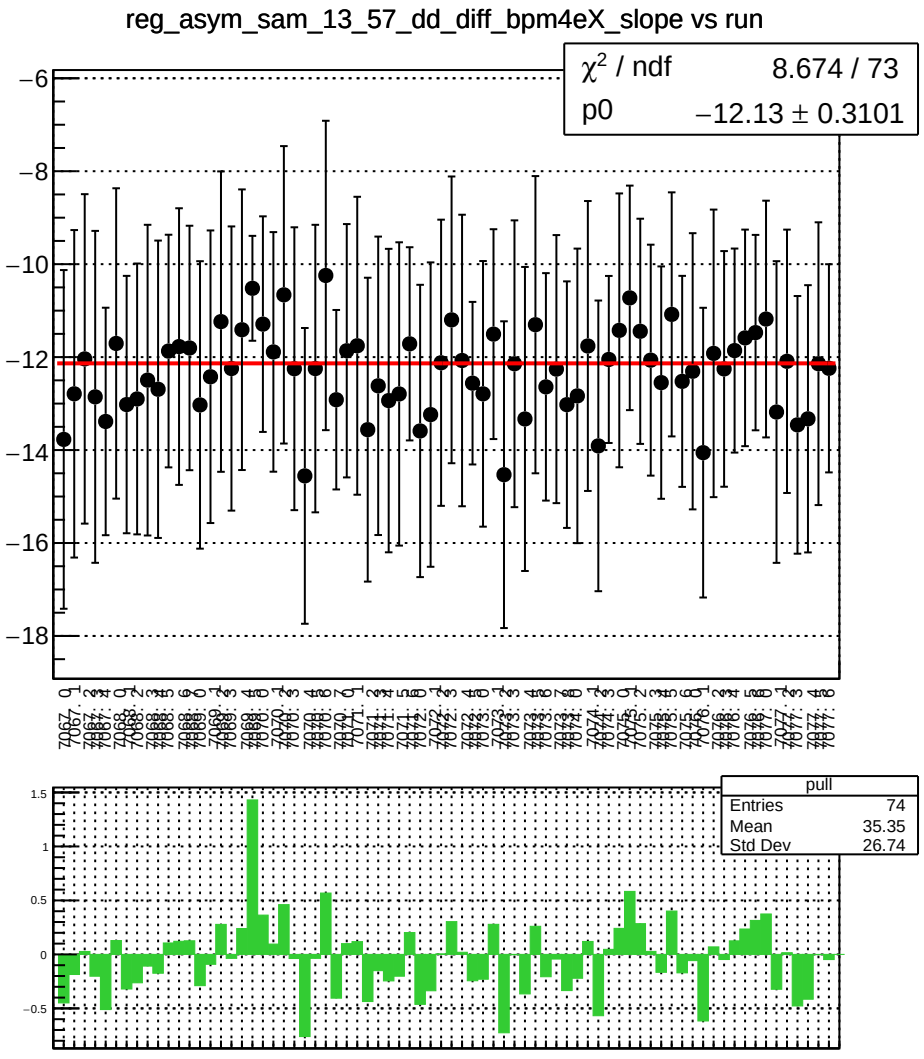

pull1D
Entries 74
Mean 0.06851
Std Dev 1.25

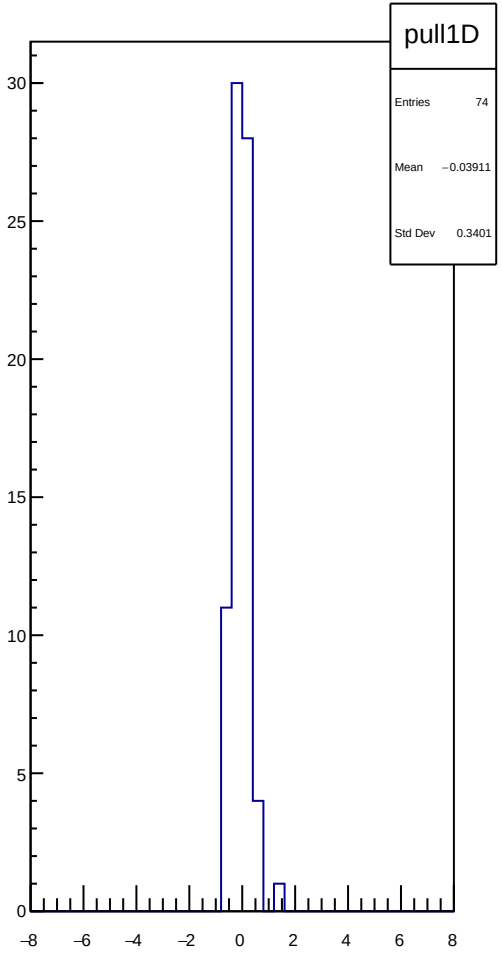

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.78 / 73
p0 −0.6115 ± 0.03913
pull
Entries 74
Mean 345.5
Std Dev 326.3
pull1D
Entries 74
Mean 0.005495
Std Dev 0.4618

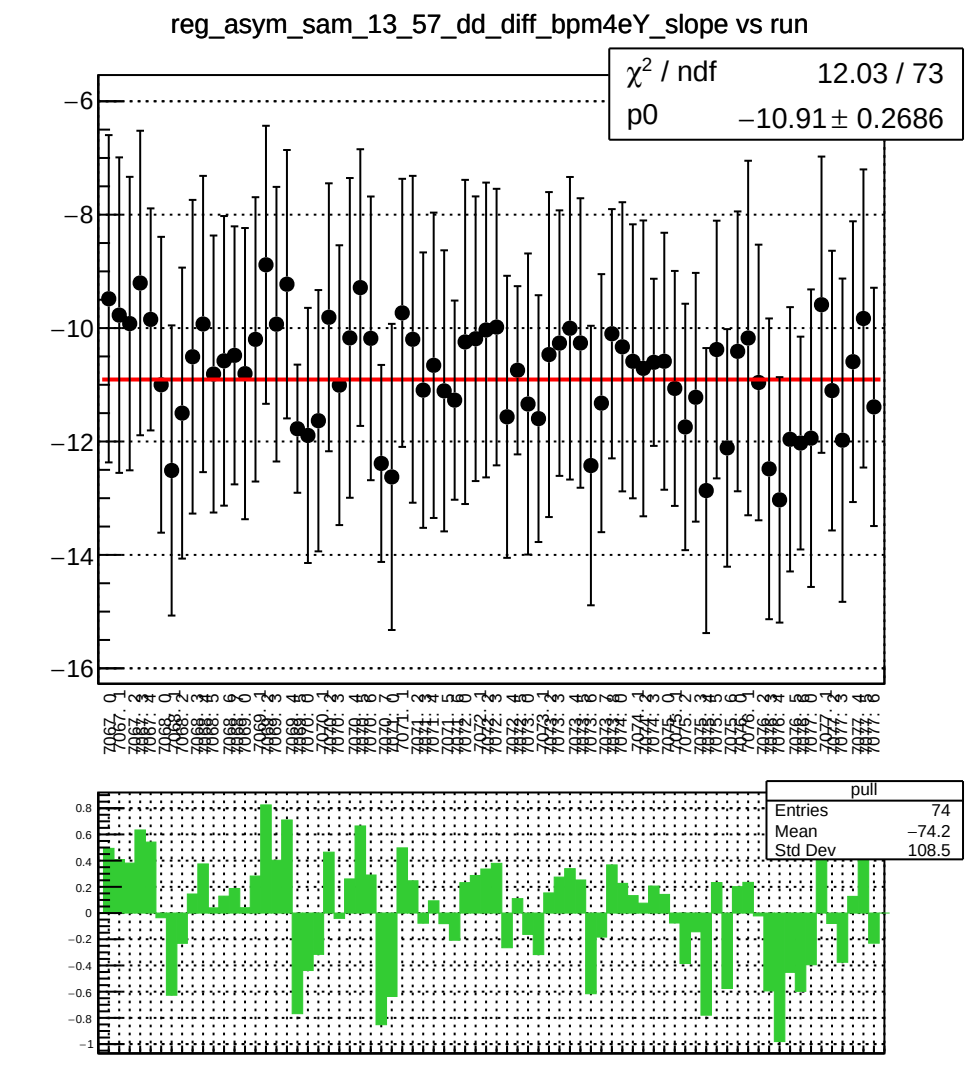

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 22.37 / 73
p0 −12.52 ± 0.3221
pull
Entries 74
Mean 25.24
Std Dev 20.3

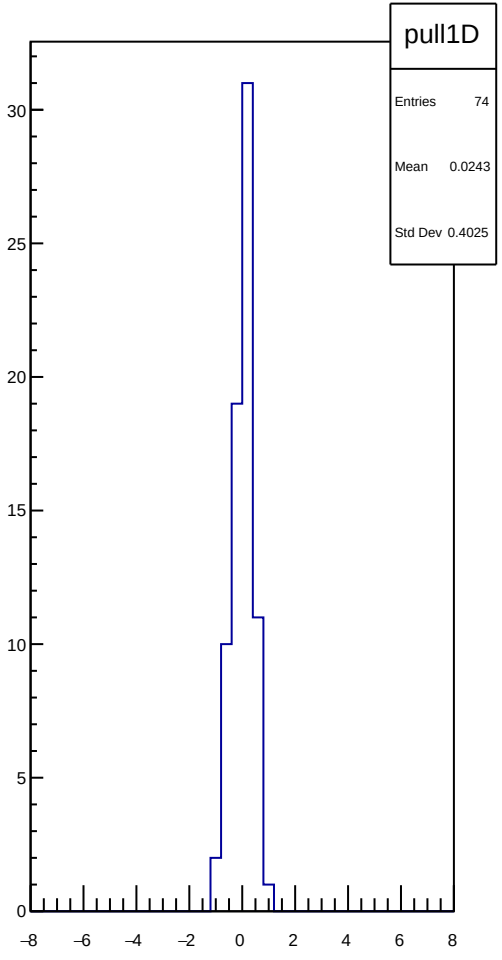

pull1D
Entries 74
Mean 0.08987
Std Dev 0.5425

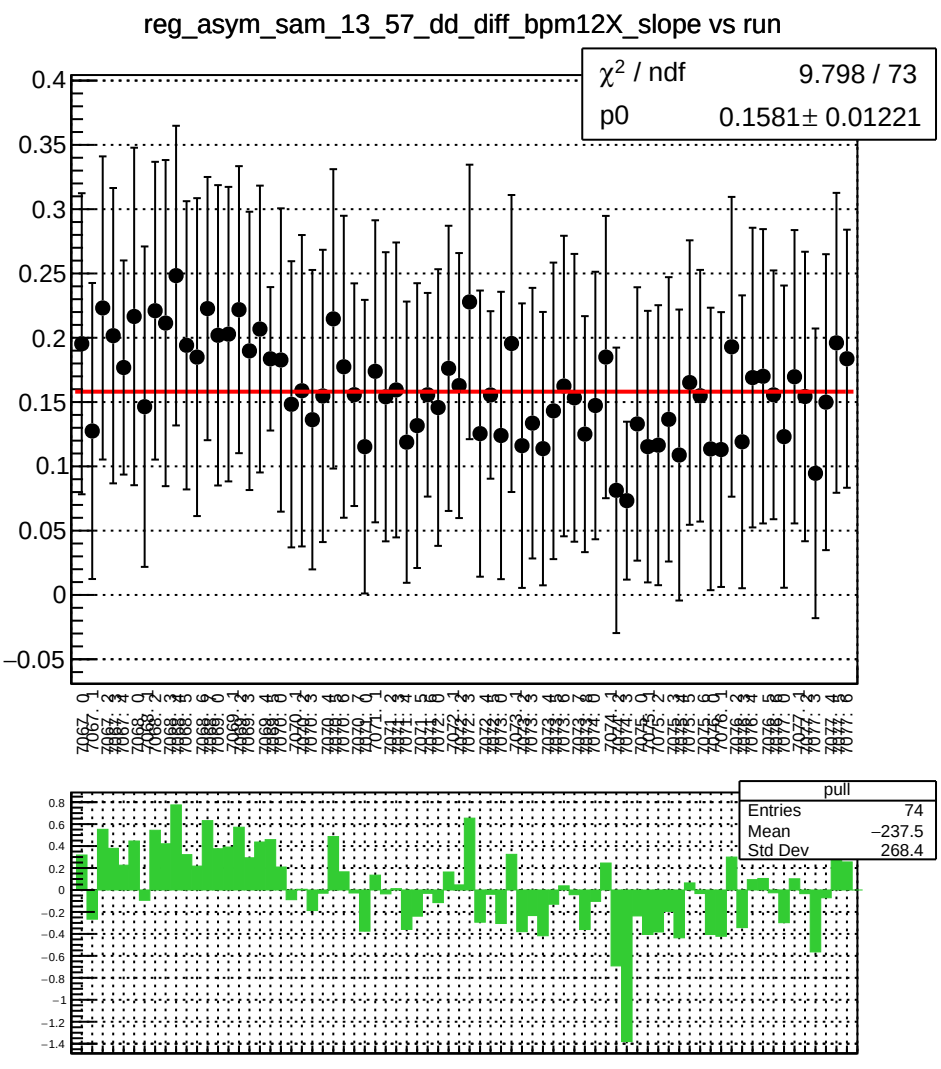

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.639 / 73
p0 −27.77 ± 0.2584
−24
−26
−28
−30
−32
pull
Entries 74
Mean −96.92
Std Dev 129.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 74
Mean −0.01456
Std Dev 0.2992
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

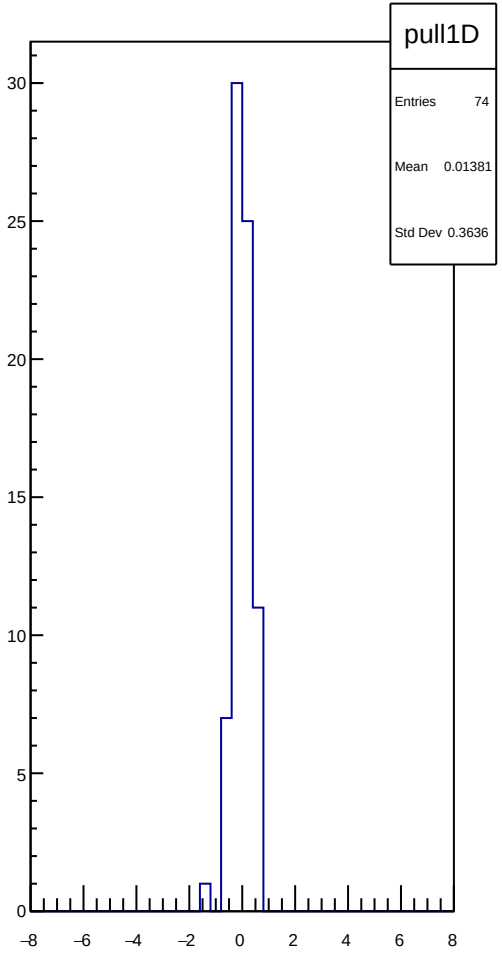

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.674 / 73
p0 −12.13 ± 0.3101
pull
Entries 74
Mean 35.35
Std Dev 26.74

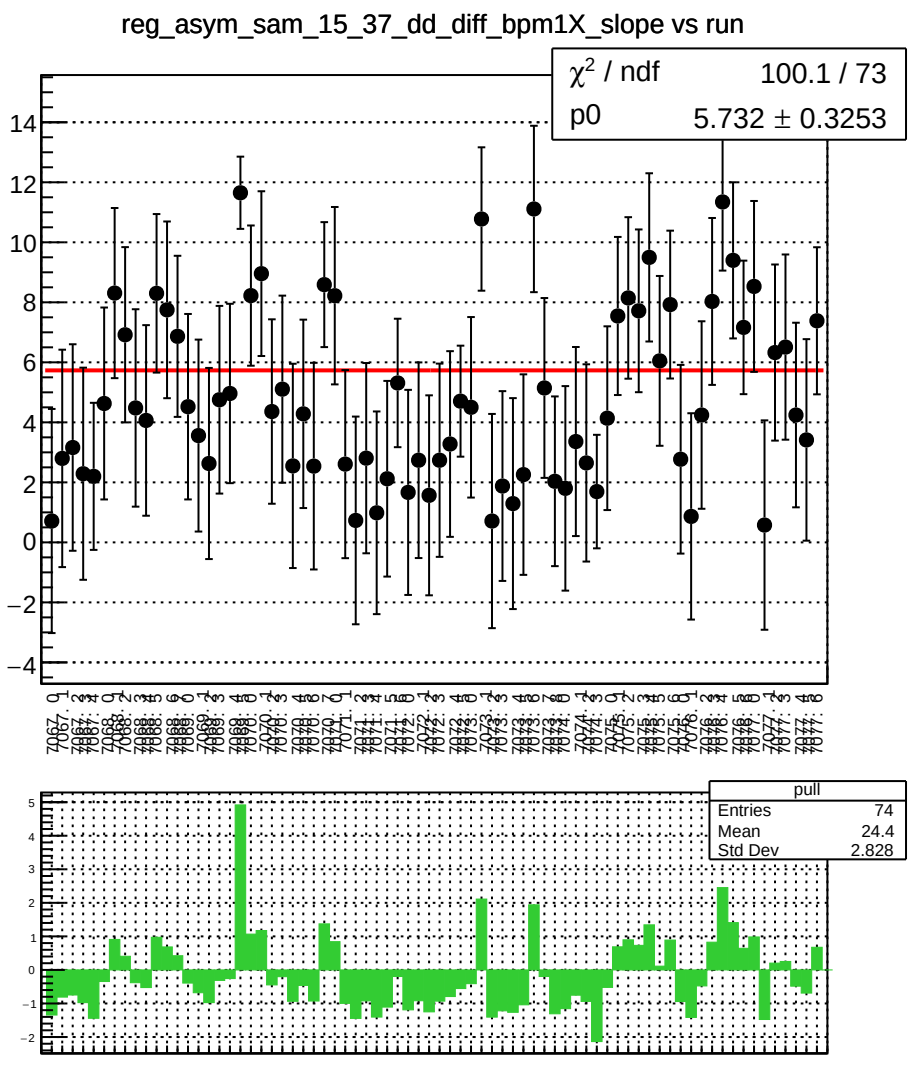

pull1D
Entries 74
Mean −0.03911
Std Dev 0.3401

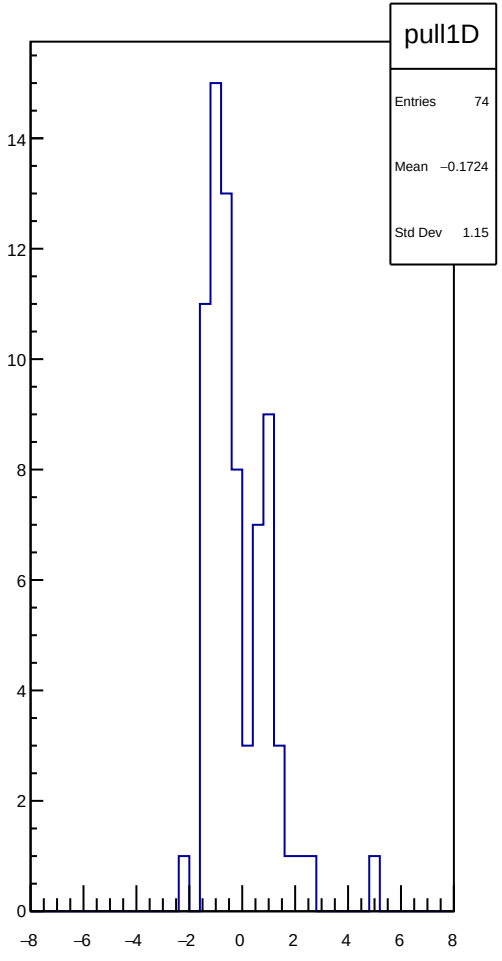

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.03 / 73
p0 −10.91 ± 0.2686
pull
Entries 74
Mean −74.2
Std Dev 108.5

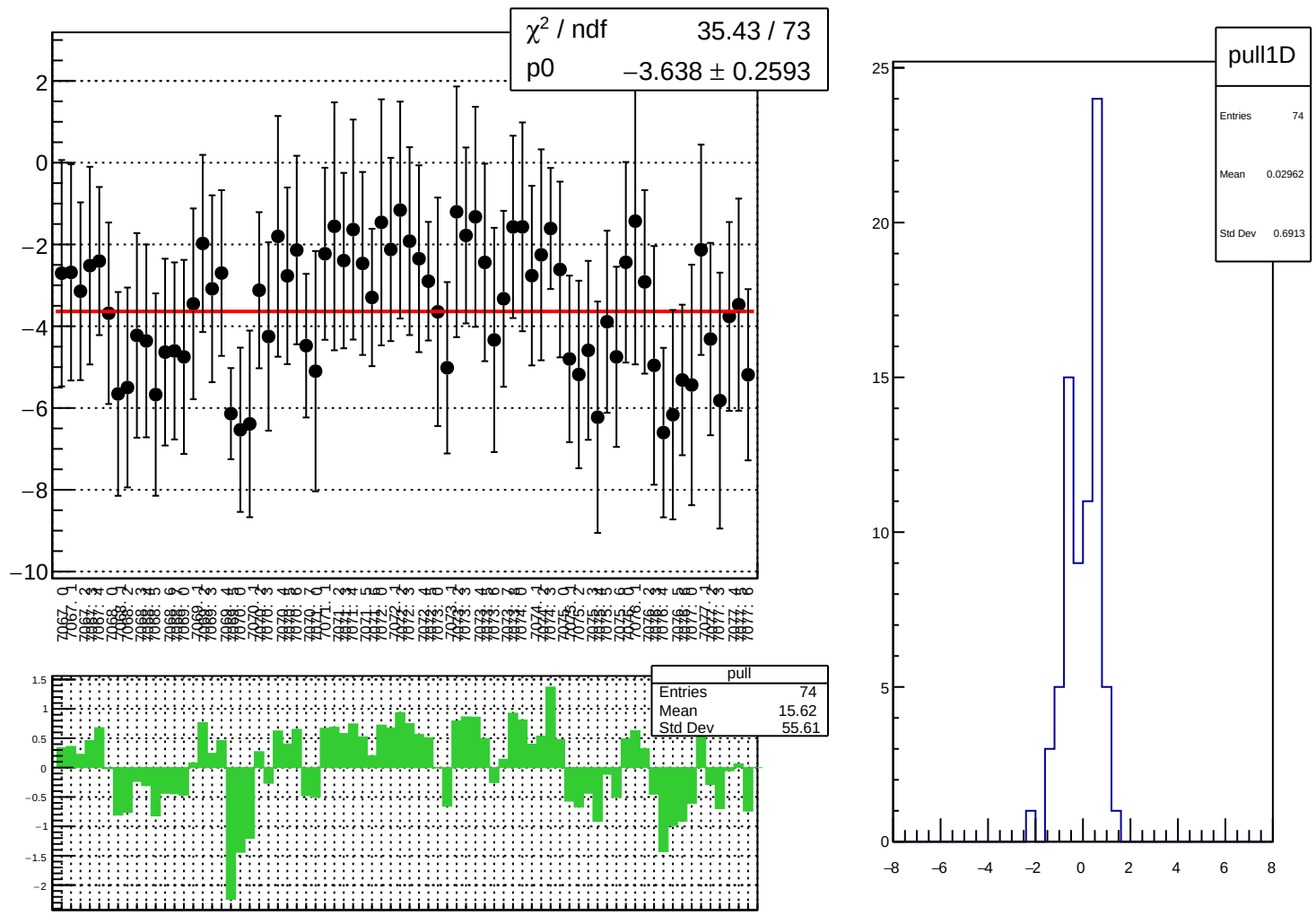

pull1D
Entries 74
Mean 0.0243
Std Dev 0.4025

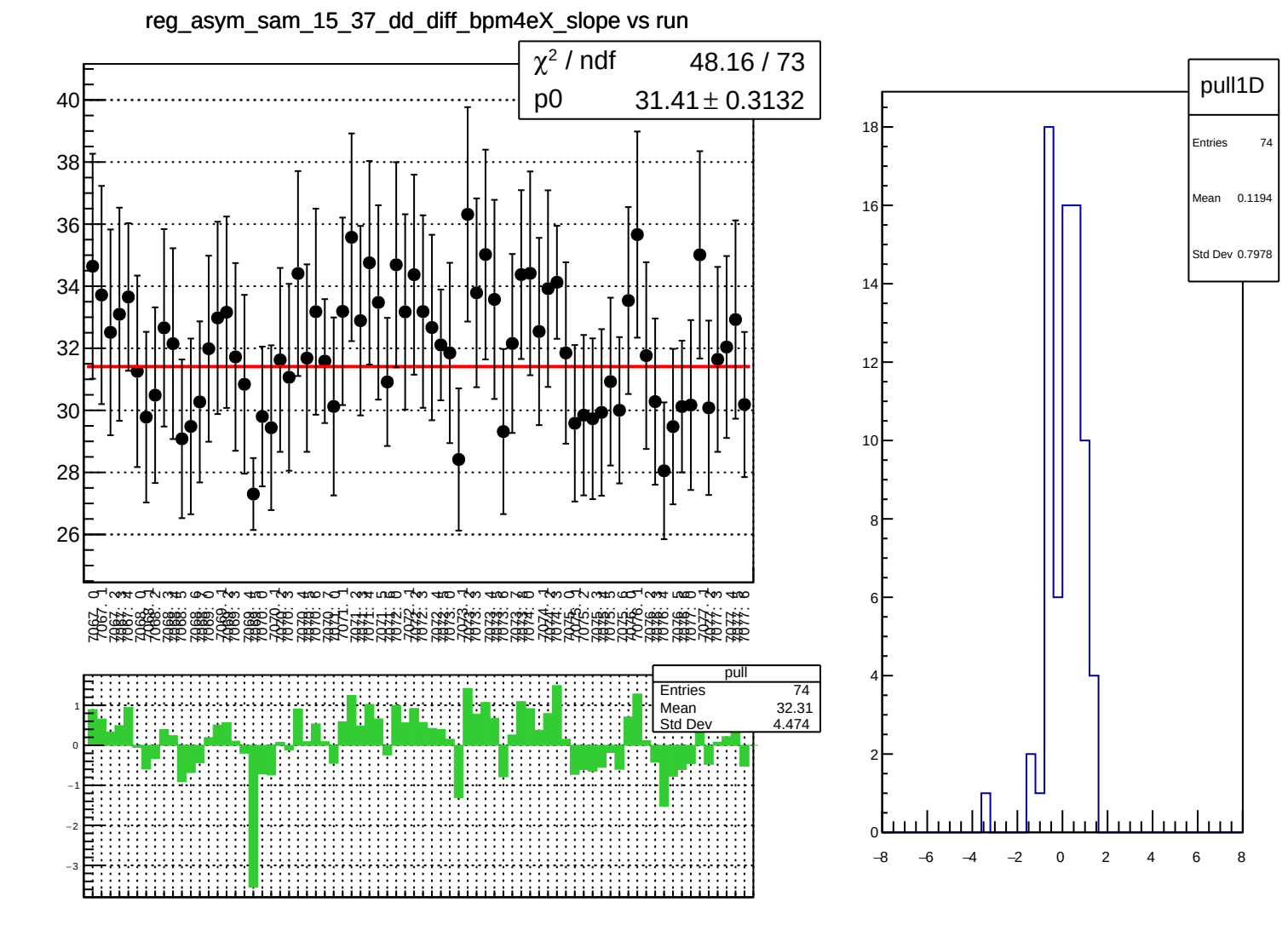

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 9.798 / 73
p0 0.1581± 0.01221
pull
Entries 74
Mean −237.5
Std Dev 268.4

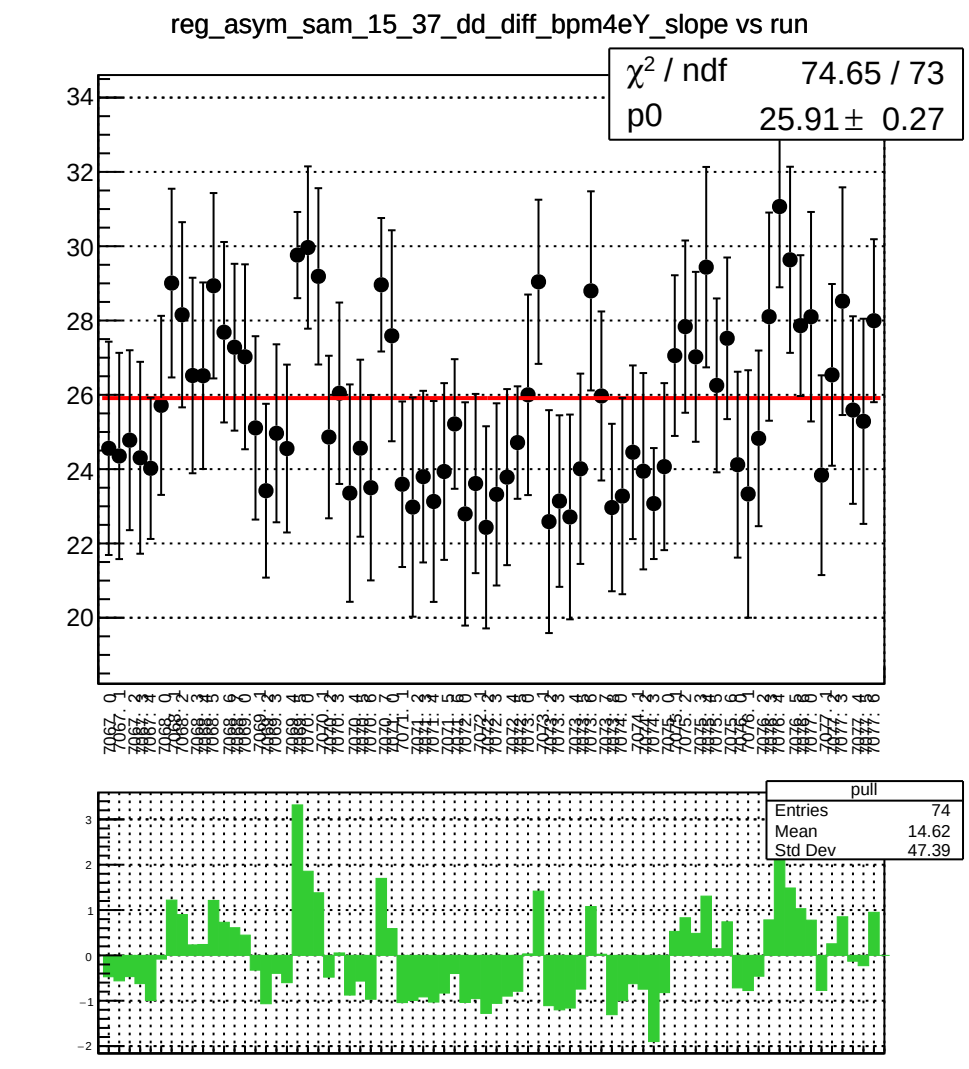

pull1D
Entries 74
Mean 0.01381
Std Dev 0.3636

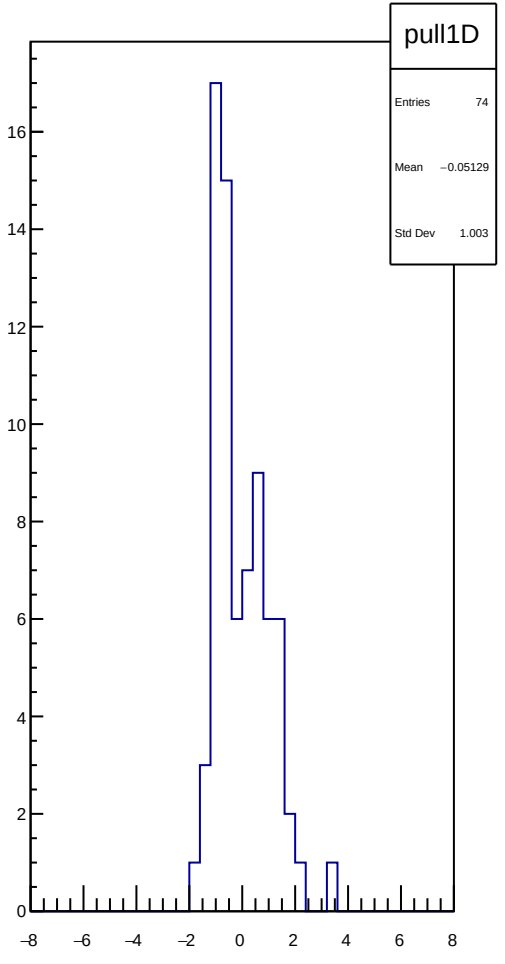

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 100.1 / 73
p0 5.732 ± 0.3253
pull
Entries 74
Mean 24.4
Std Dev 2.828

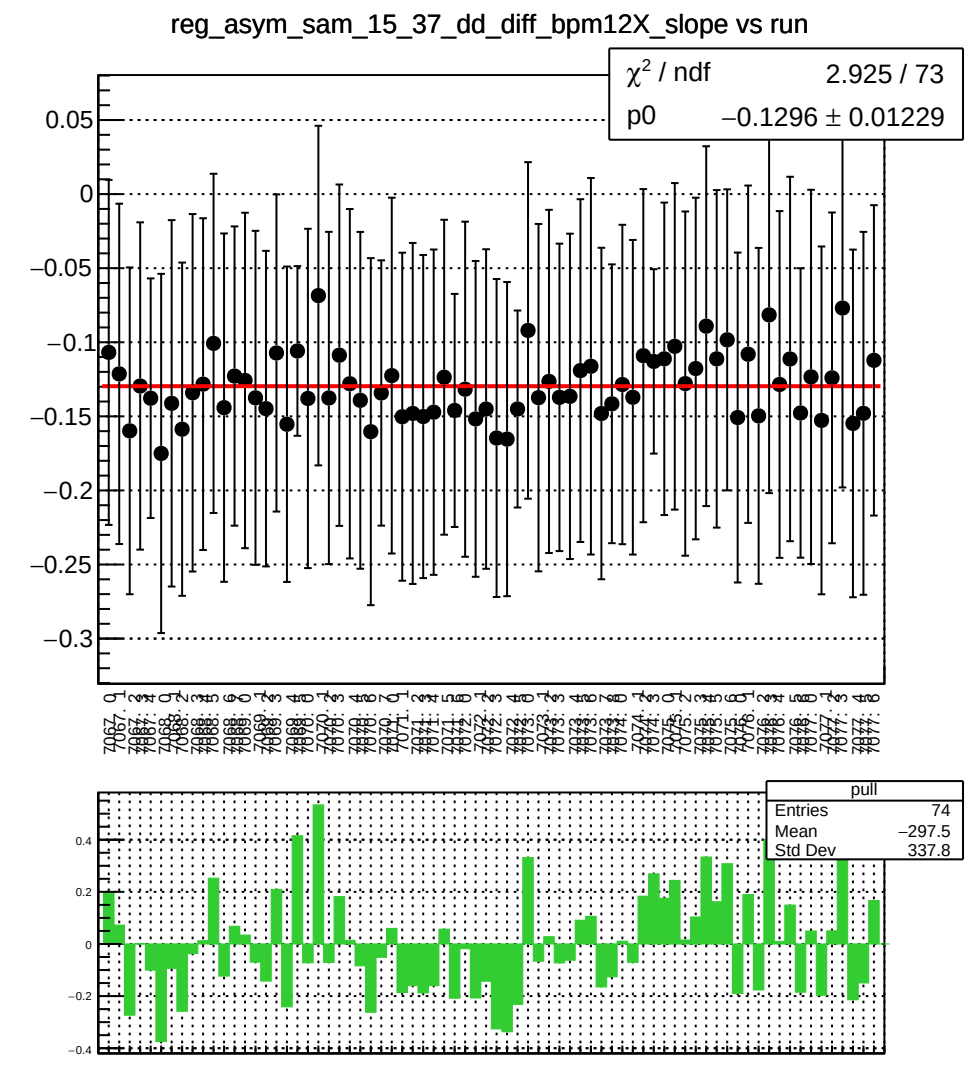

pull1D
Entries 74
Mean −0.1724
Std Dev 1.15

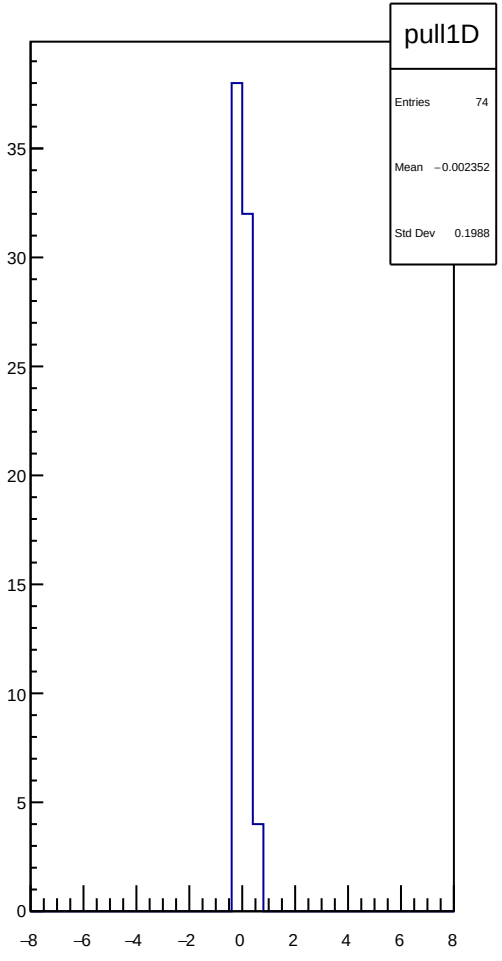

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.43 / 73
p0 −3.638 ± 0.2593
pull
Entries 74
Mean 15.62
Std Dev 55.61
pull1D
Entries 74
Mean 0.02962
Std Dev 0.6913

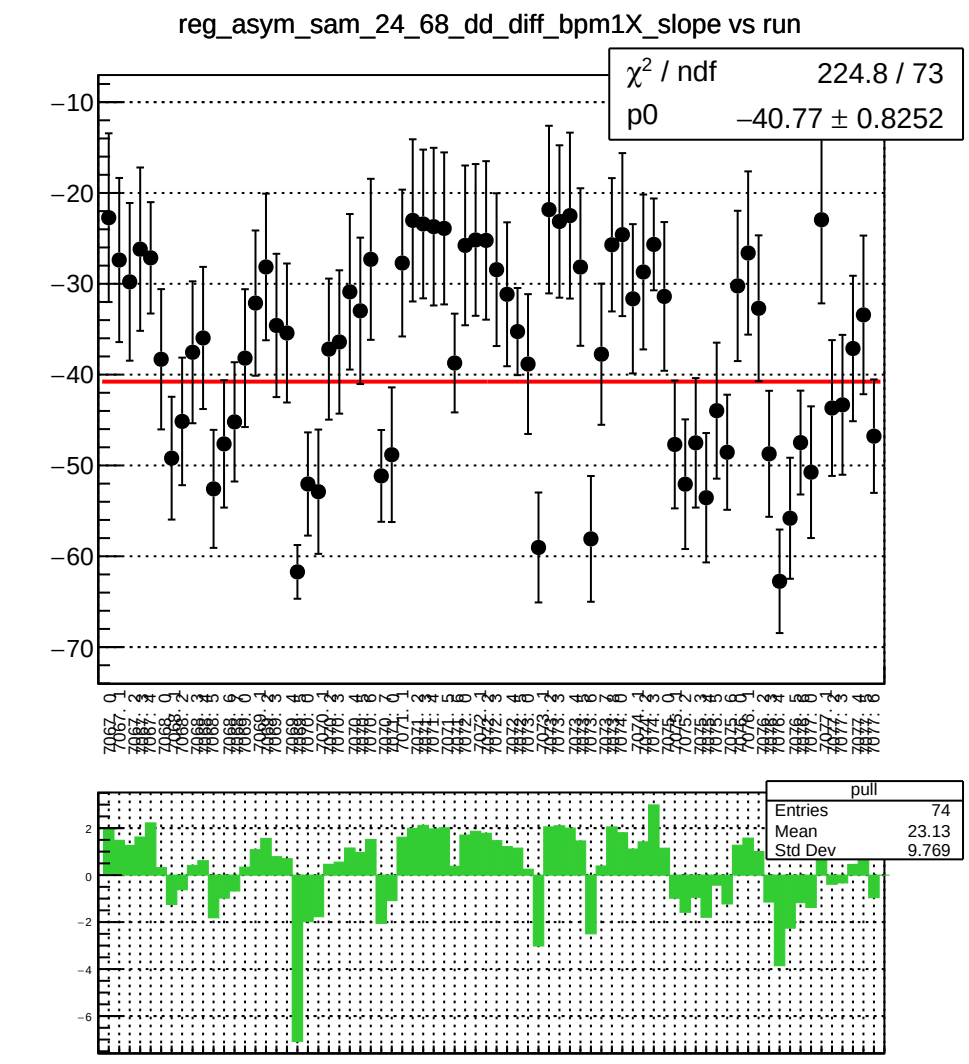

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.16 / 73
p0 31.41 ± 0.3132
pull
Entries 74
Mean 32.31
Std Dev 4.474
pull1D
Entries 74
Mean 0.1194
Std Dev 0.7978

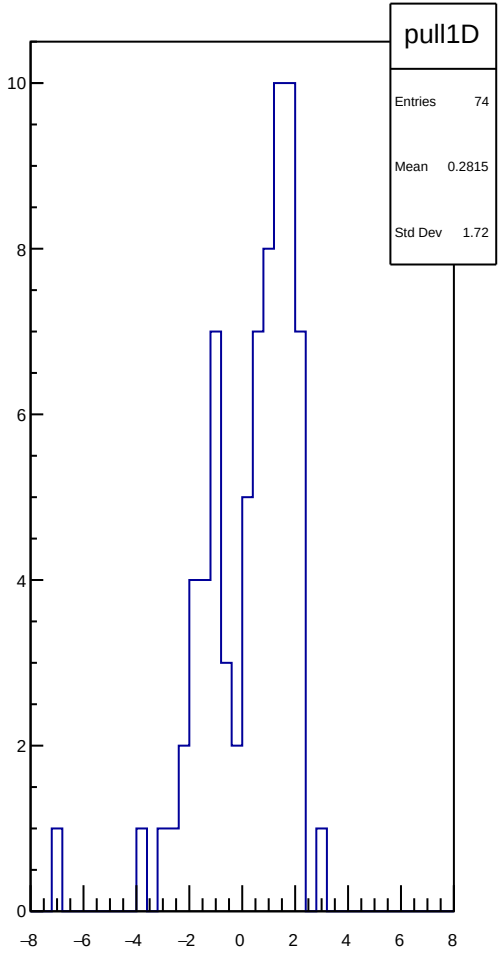

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.65 / 73
p0 25.91 ± 0.27
pull
Entries 74
Mean 14.62
Std Dev 47.39

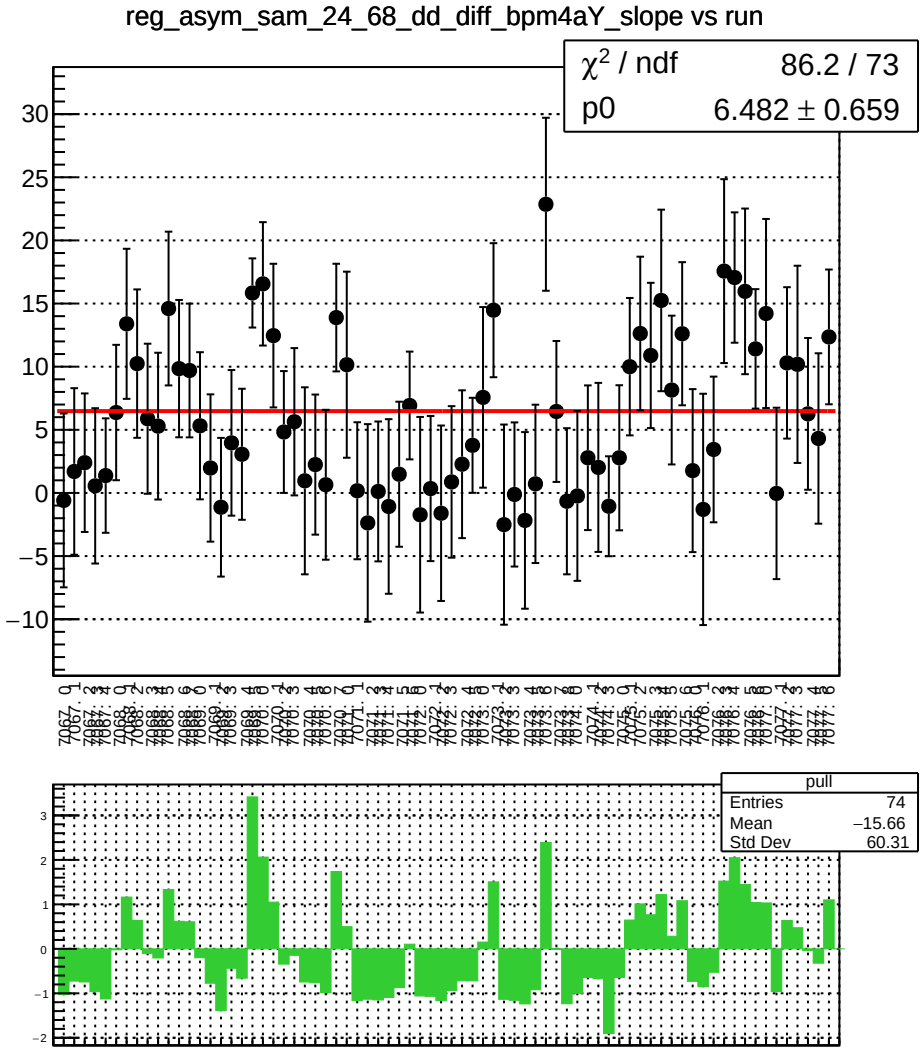

pull1D
Entries 74
Mean −0.05129
Std Dev 1.003

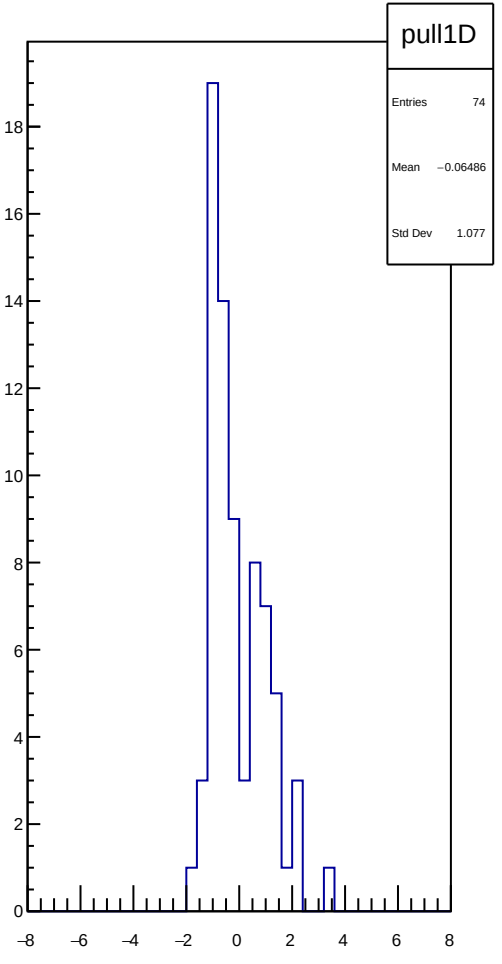

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.925 / 73
p0 −0.1296 ± 0.01229
pull
Entries 74
Mean −297.5
Std Dev 337.8

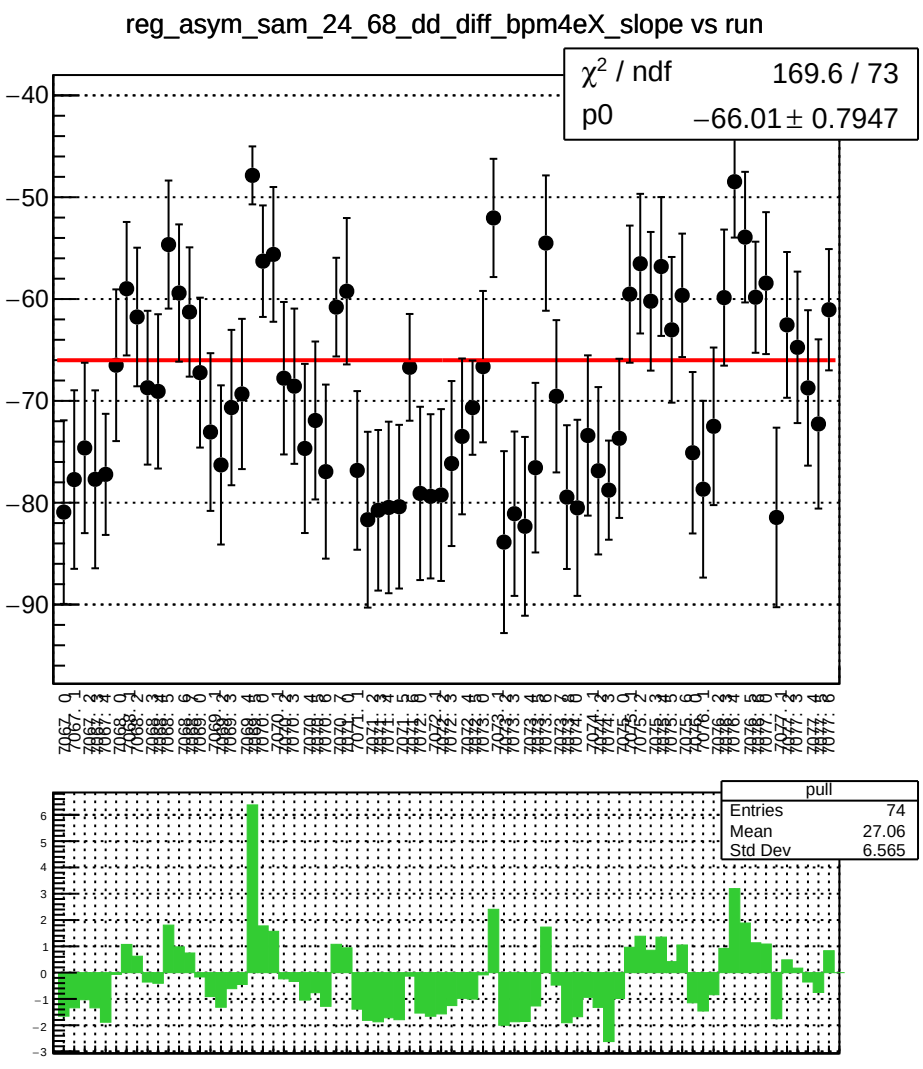

pull1D
Entries 74
Mean −0.002352
Std Dev 0.1988

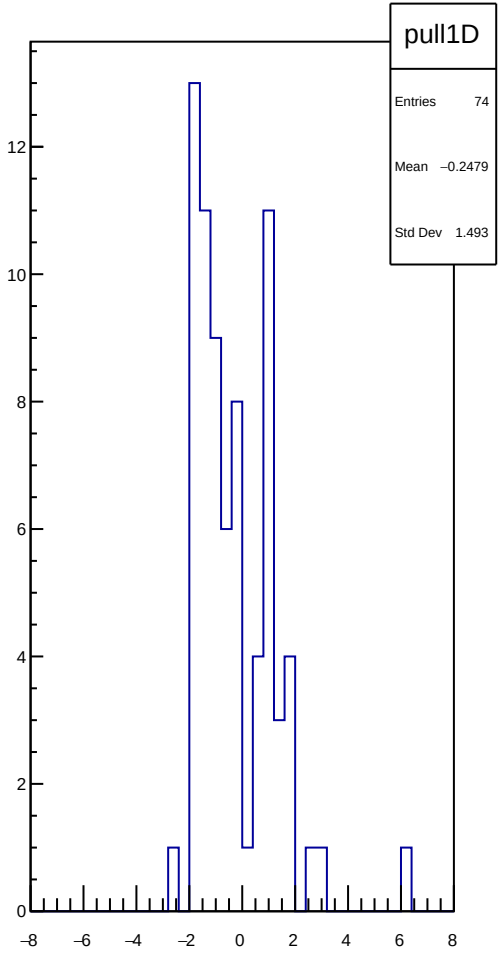

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 224.8 / 73
p0 −40.77 ± 0.8252
pull
Entries 74
Mean 23.13
Std Dev 9.769

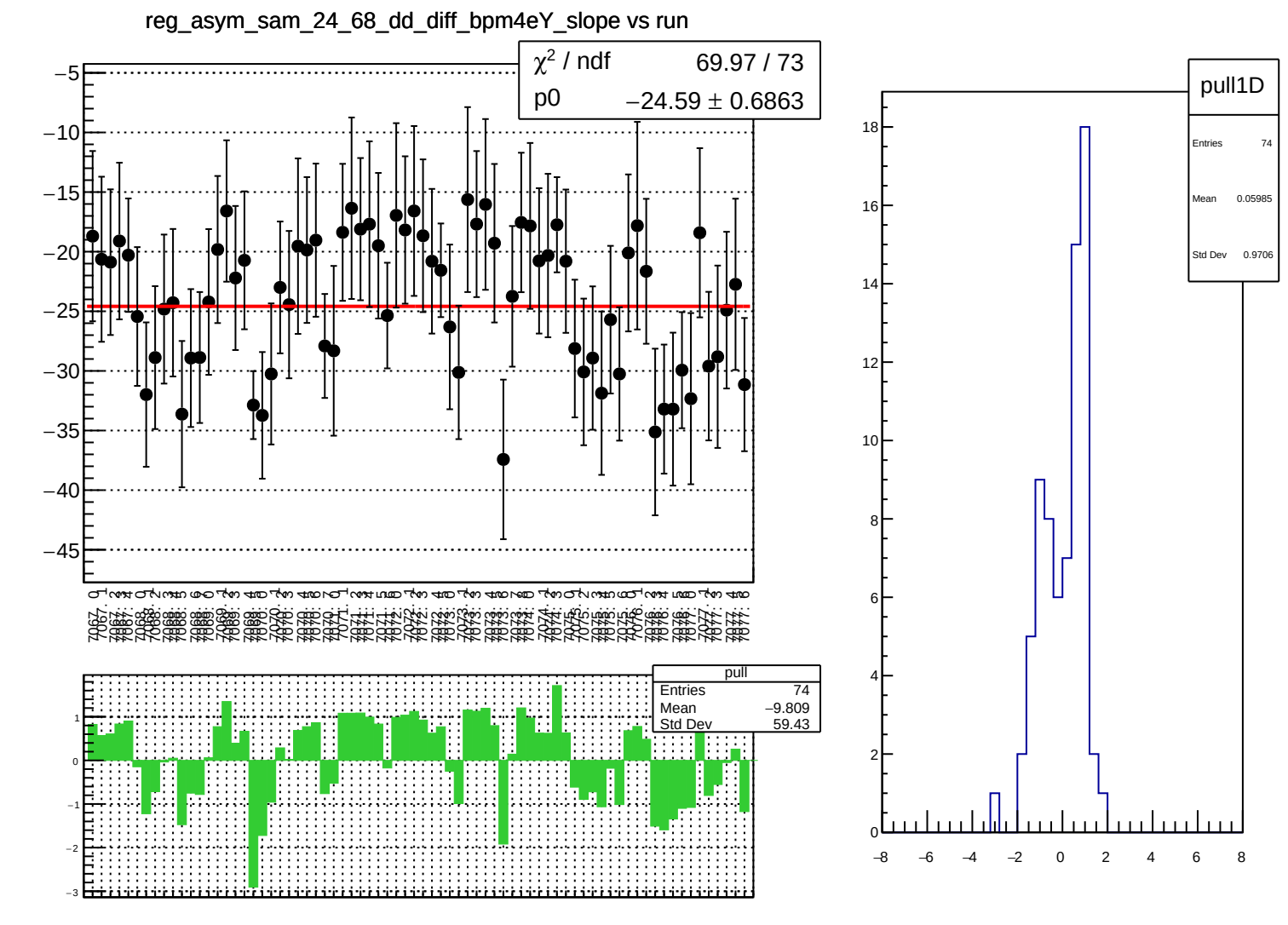

pull1D
Entries 74
Mean 0.2815
Std Dev 1.72

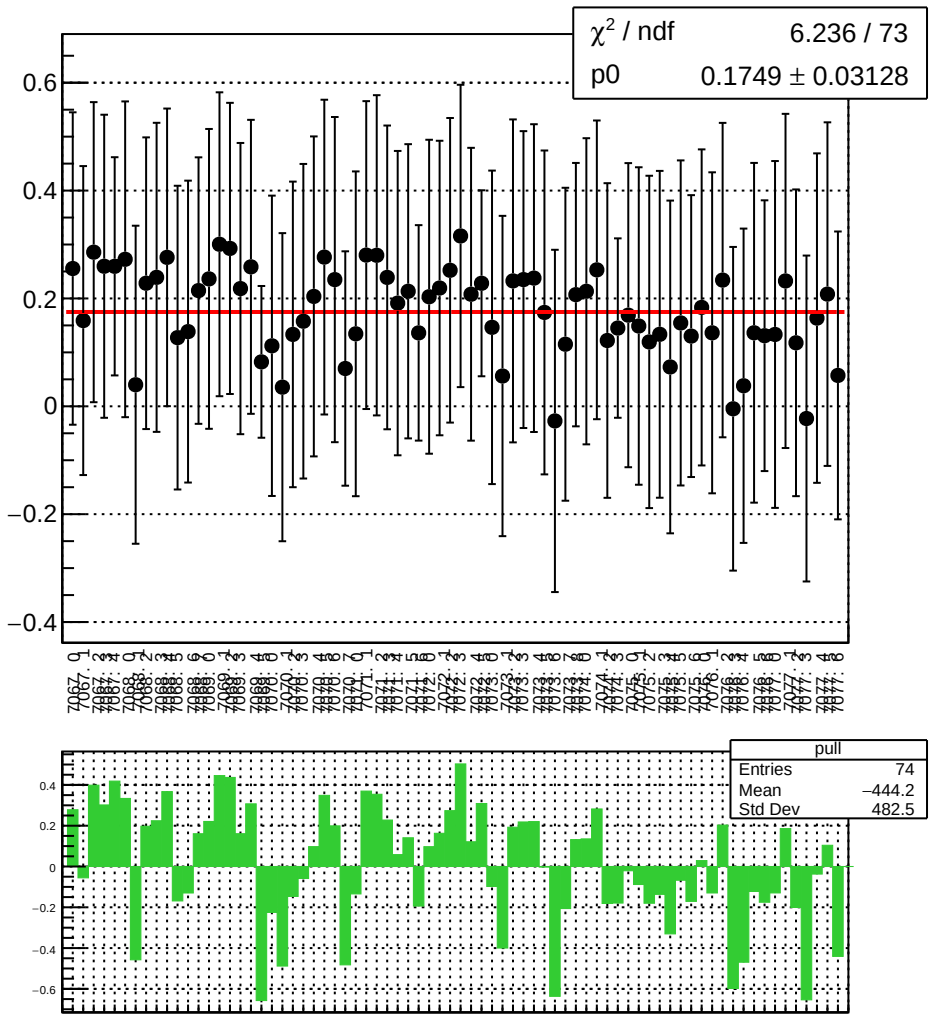

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.2 / 73
p0 6.482 ± 0.659
pull
Entries 74
Mean −15.66
Std Dev 60.31

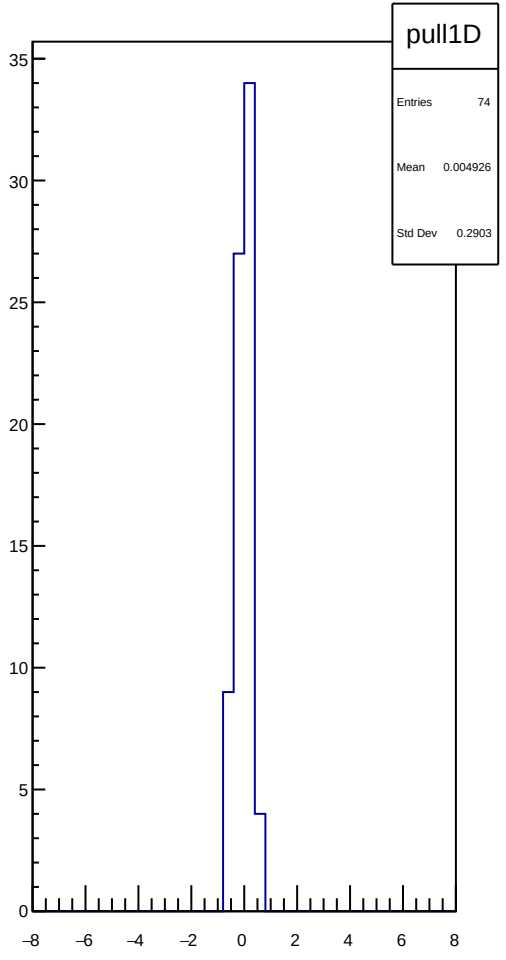

pull1D
Entries 74
Mean −0.06486
Std Dev 1.077

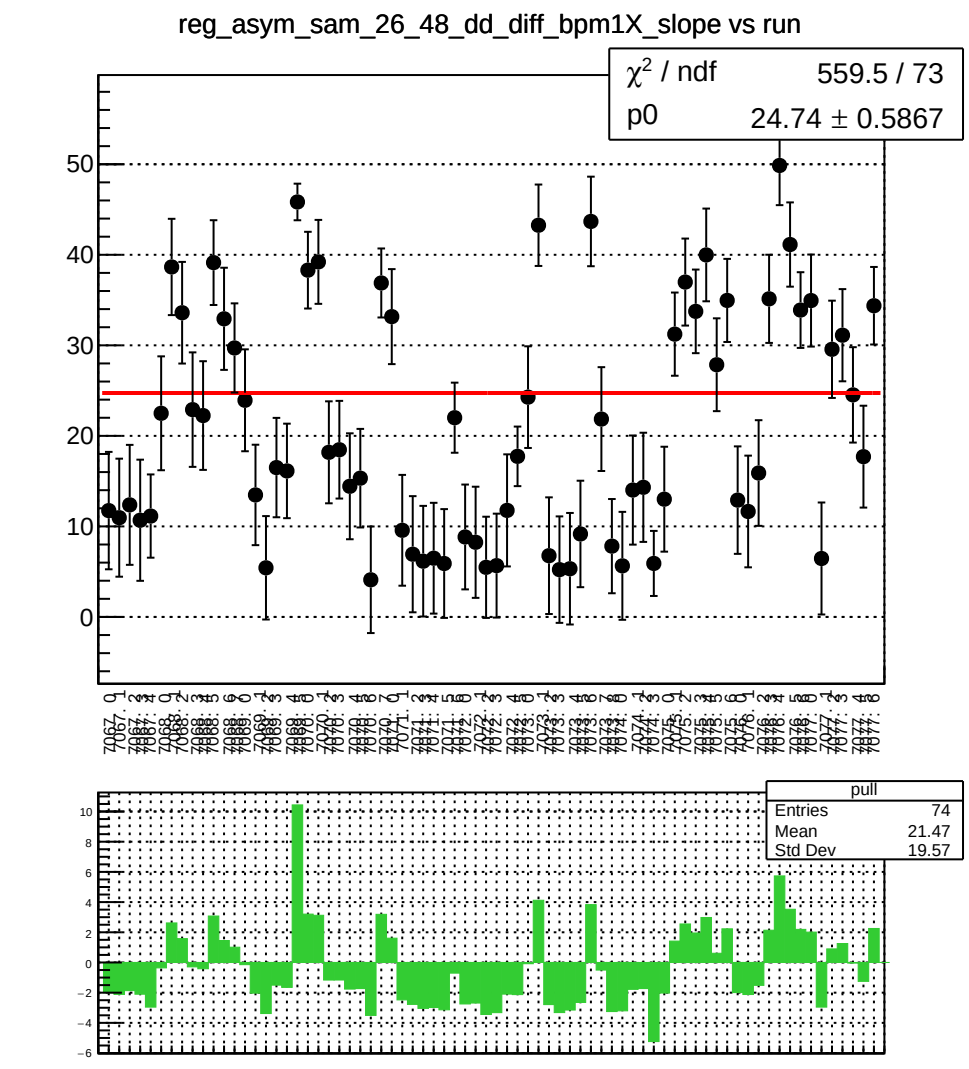

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 169.6 / 73
p0 −66.01 ± 0.7947
pull
Entries 74
Mean 27.06
Std Dev 6.565

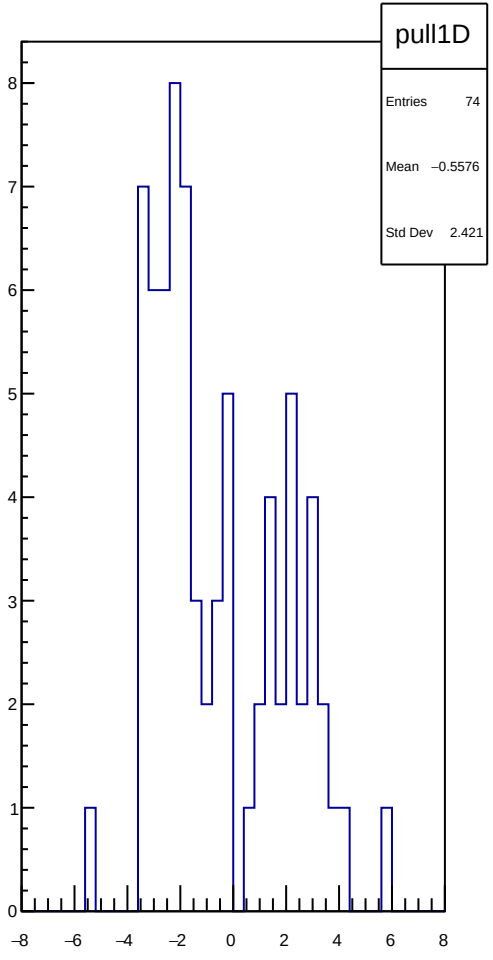

pull1D
Entries 74
Mean −0.2479
Std Dev 1.493

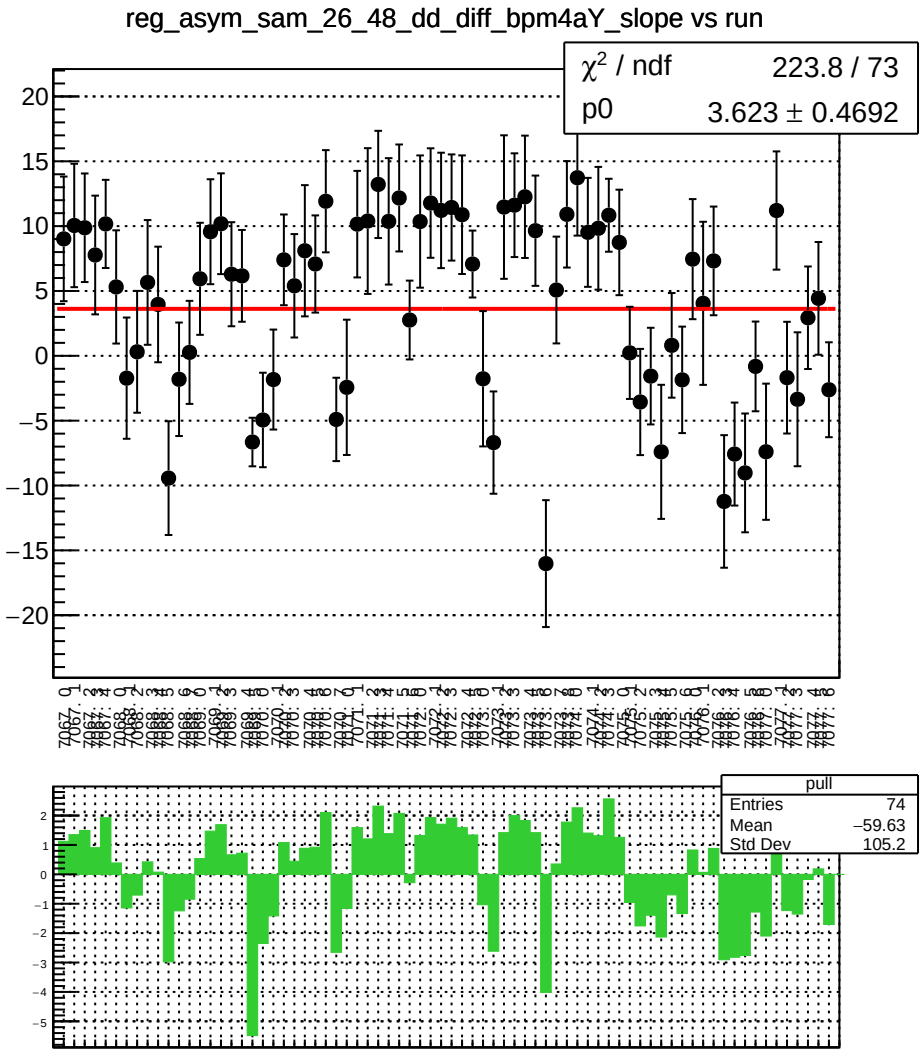

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 69.97 / 73
p0 −24.59 ± 0.6863
pull
Entries 74
Mean −9.809
Std Dev 59.43
pull1D
Entries 74
Mean 0.05985
Std Dev 0.9706

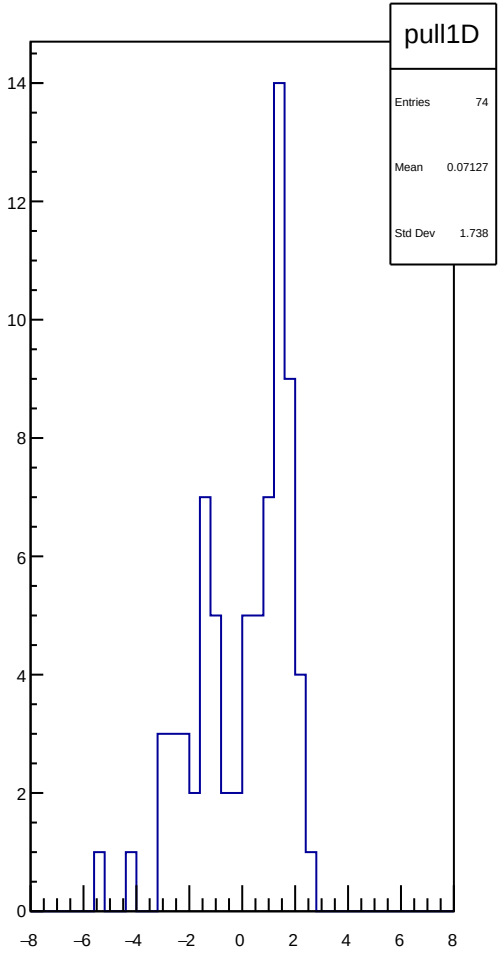

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 6.236 / 73
p0 0.1749 ± 0.03128
pull
Entries 74
Mean −444.2
Std Dev 482.5

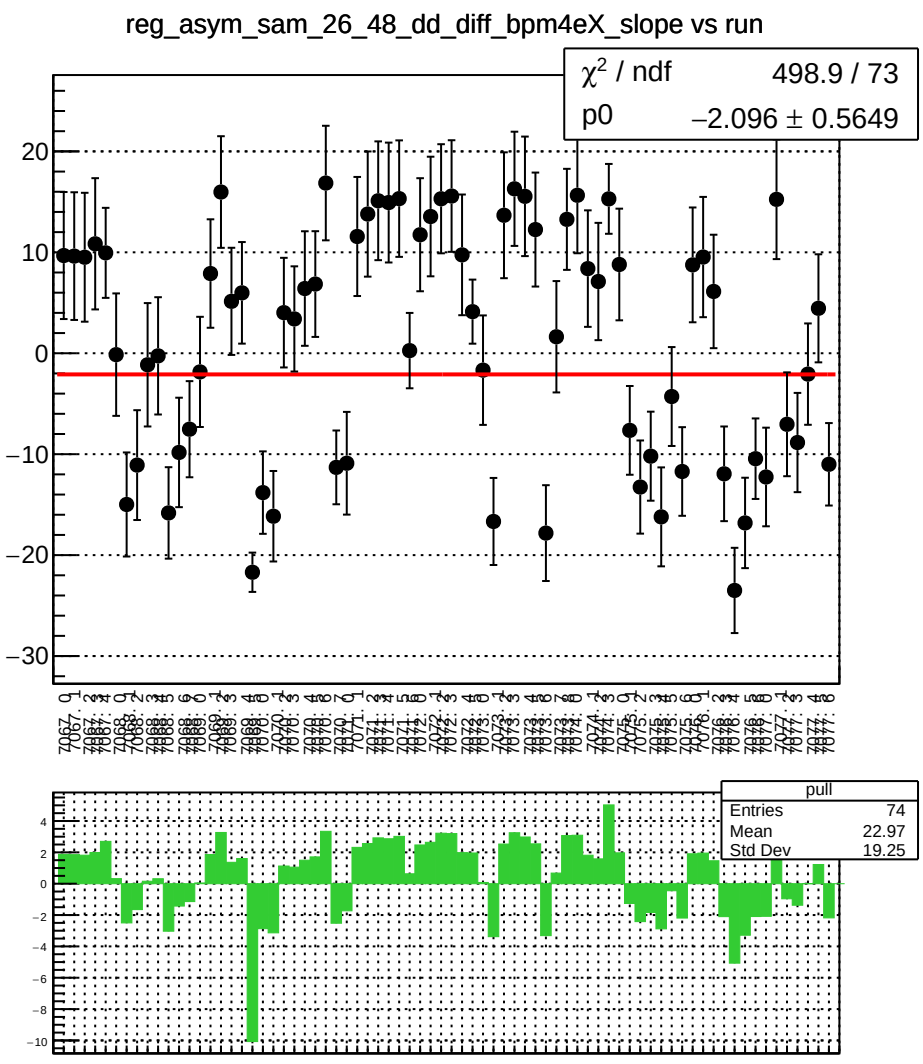

pull1D
Entries 74
Mean 0.004926
Std Dev 0.2903

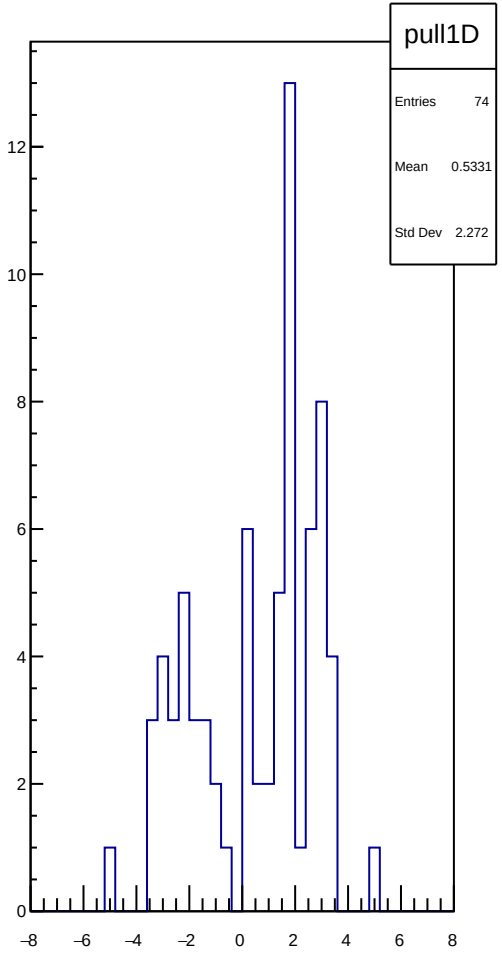

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 559.5 / 73
p0 24.74 ± 0.5867
pull
Entries 74
Mean 21.47
Std Dev 19.57

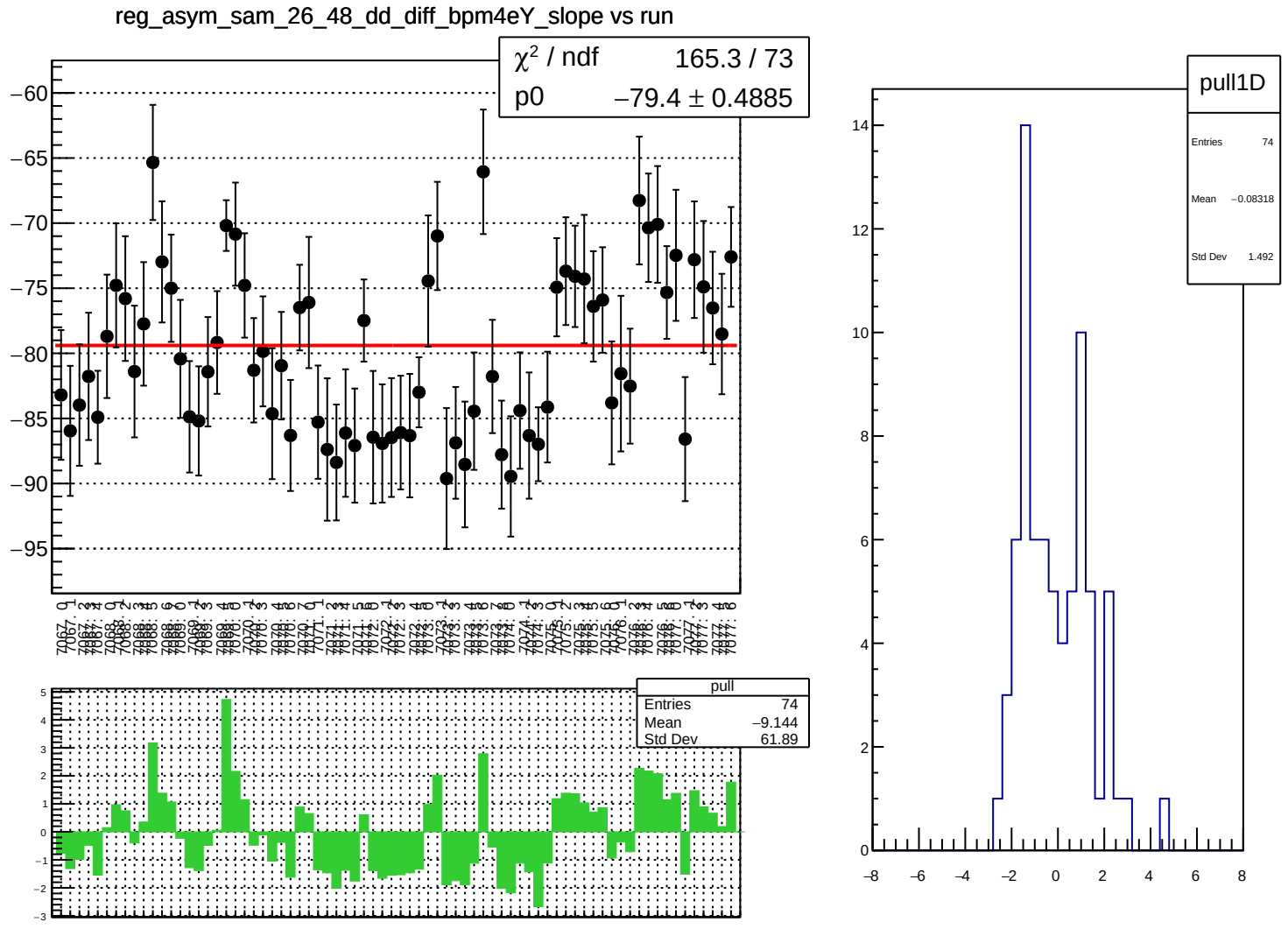

pull1D
Entries 74
Mean −0.5576
Std Dev 2.421

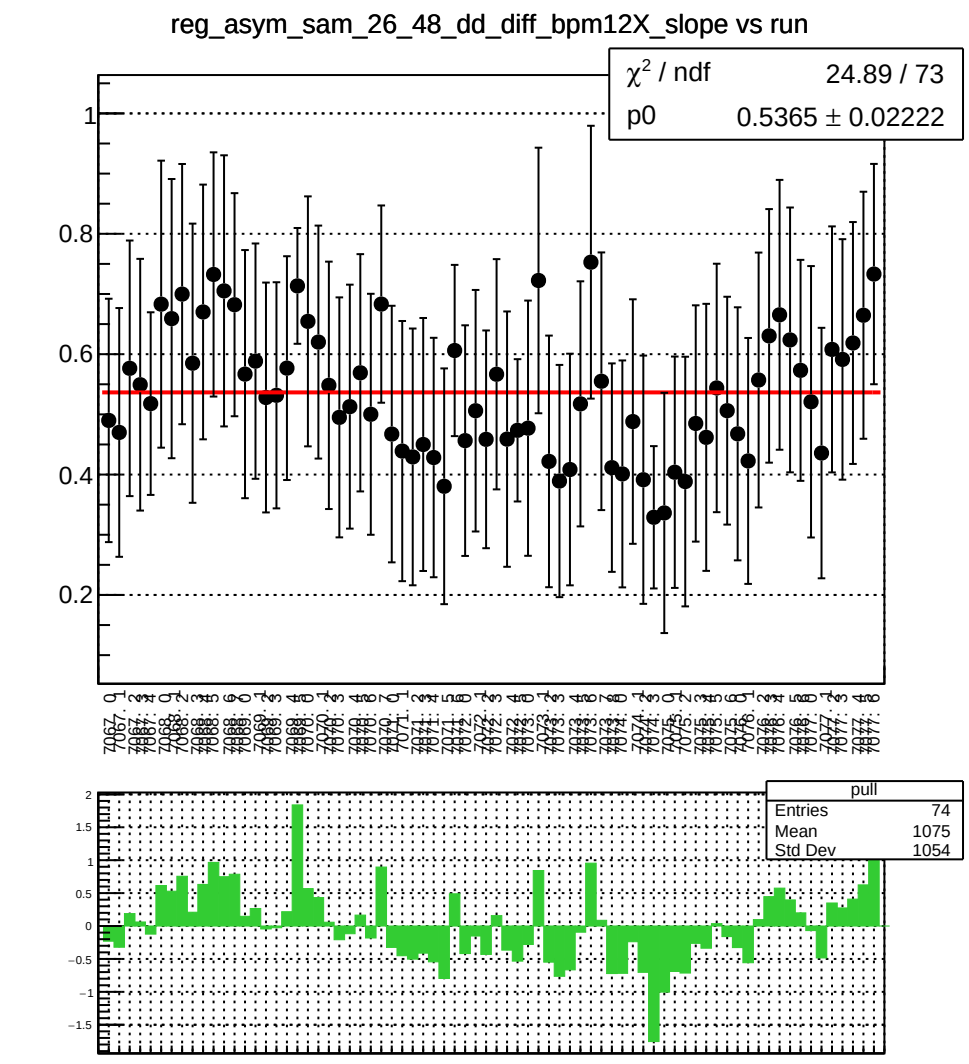

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 223.8 / 73
p0 3.623 ± 0.4692
pull
Entries 74
Mean −59.63
Std Dev 105.2

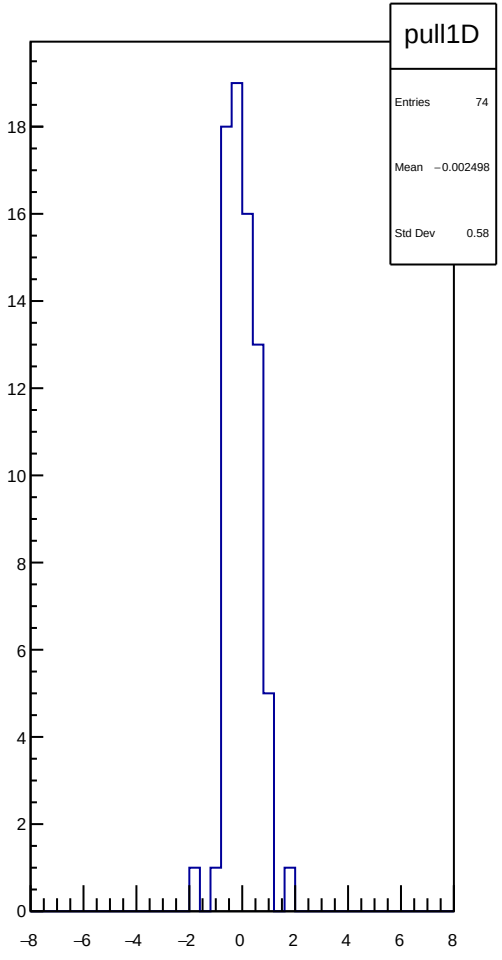

pull1D
Entries 74
Mean 0.07127
Std Dev 1.738

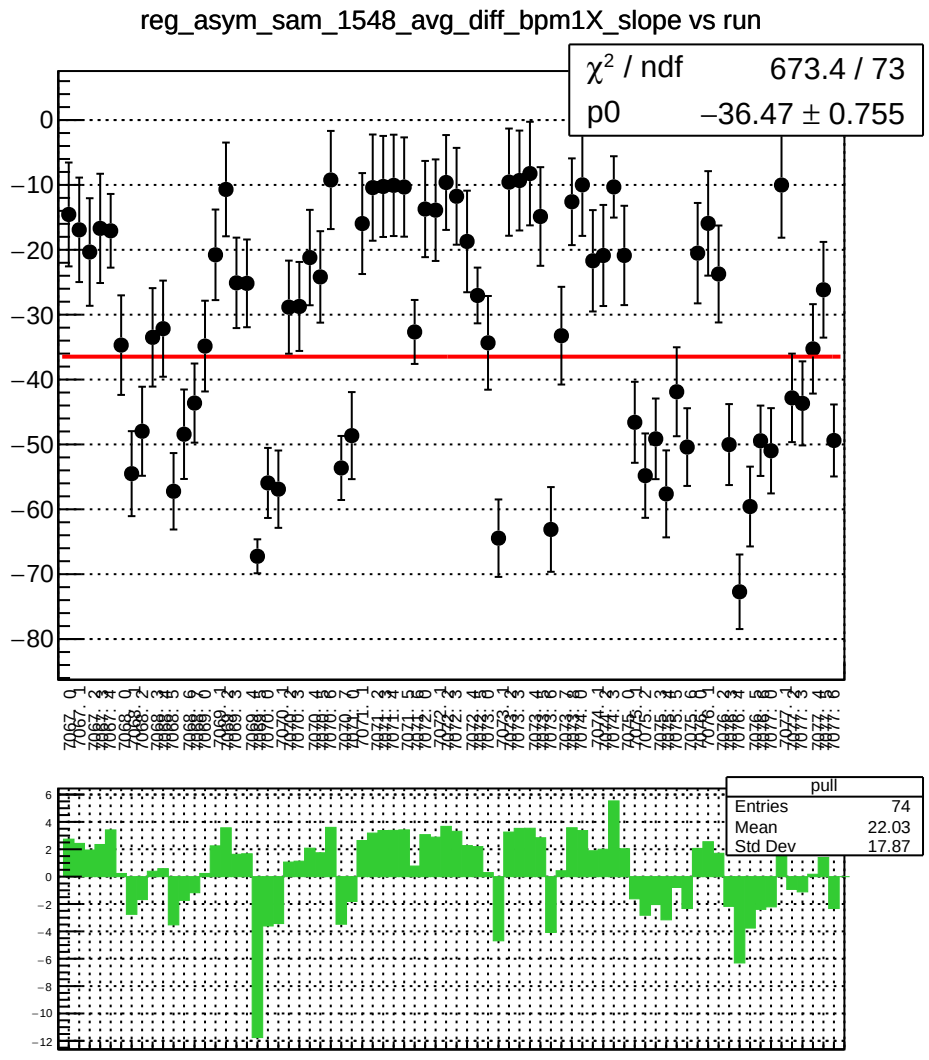

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 498.9 / 73
p0 −2.096 ± 0.5649
pull
Entries 74
Mean 22.97
Std Dev 19.25

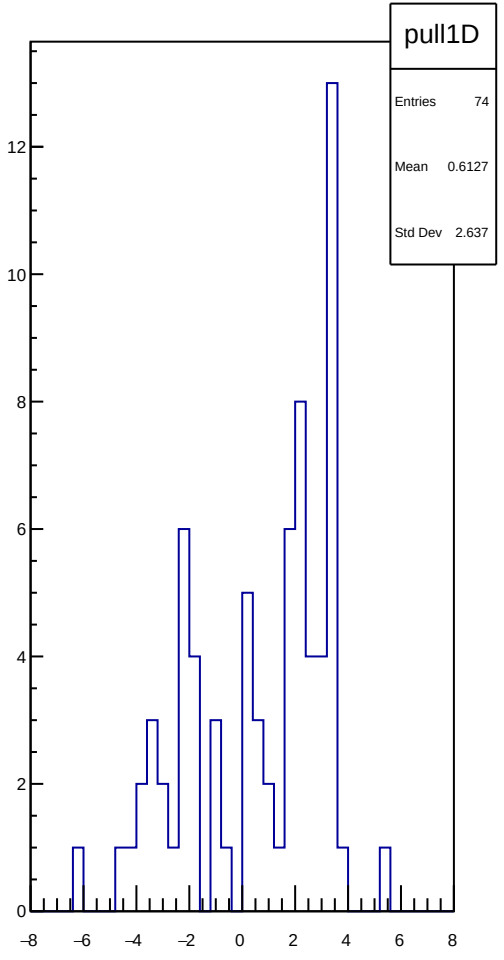

pull1D
Entries 74
Mean 0.5331
Std Dev 2.272

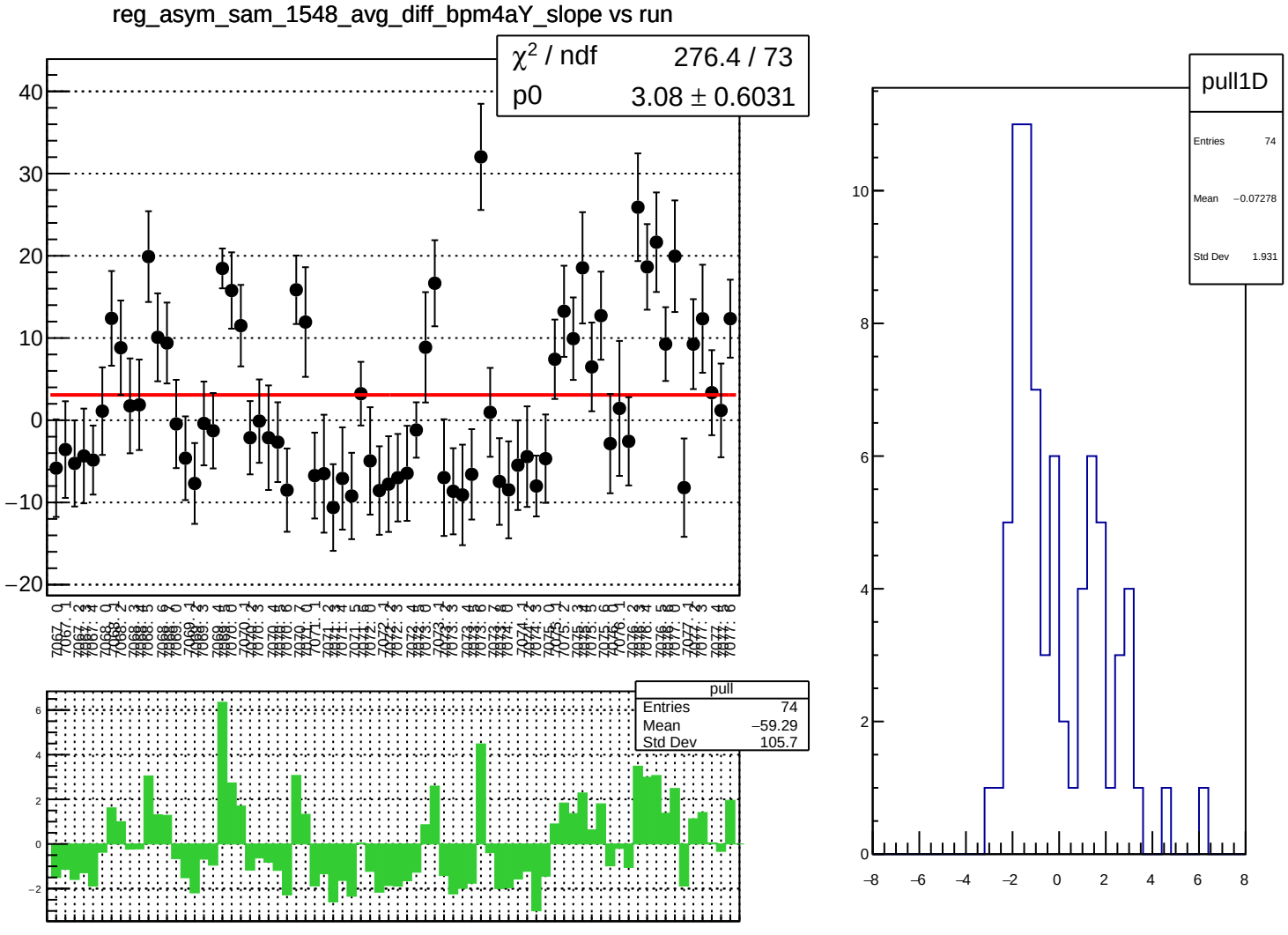

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 165.3 / 73
p0 −79.4 ± 0.4885
pull
Entries 74
Mean −9.144
Std Dev 61.89
pull1D
Entries 74
Mean −0.08318
Std Dev 1.492

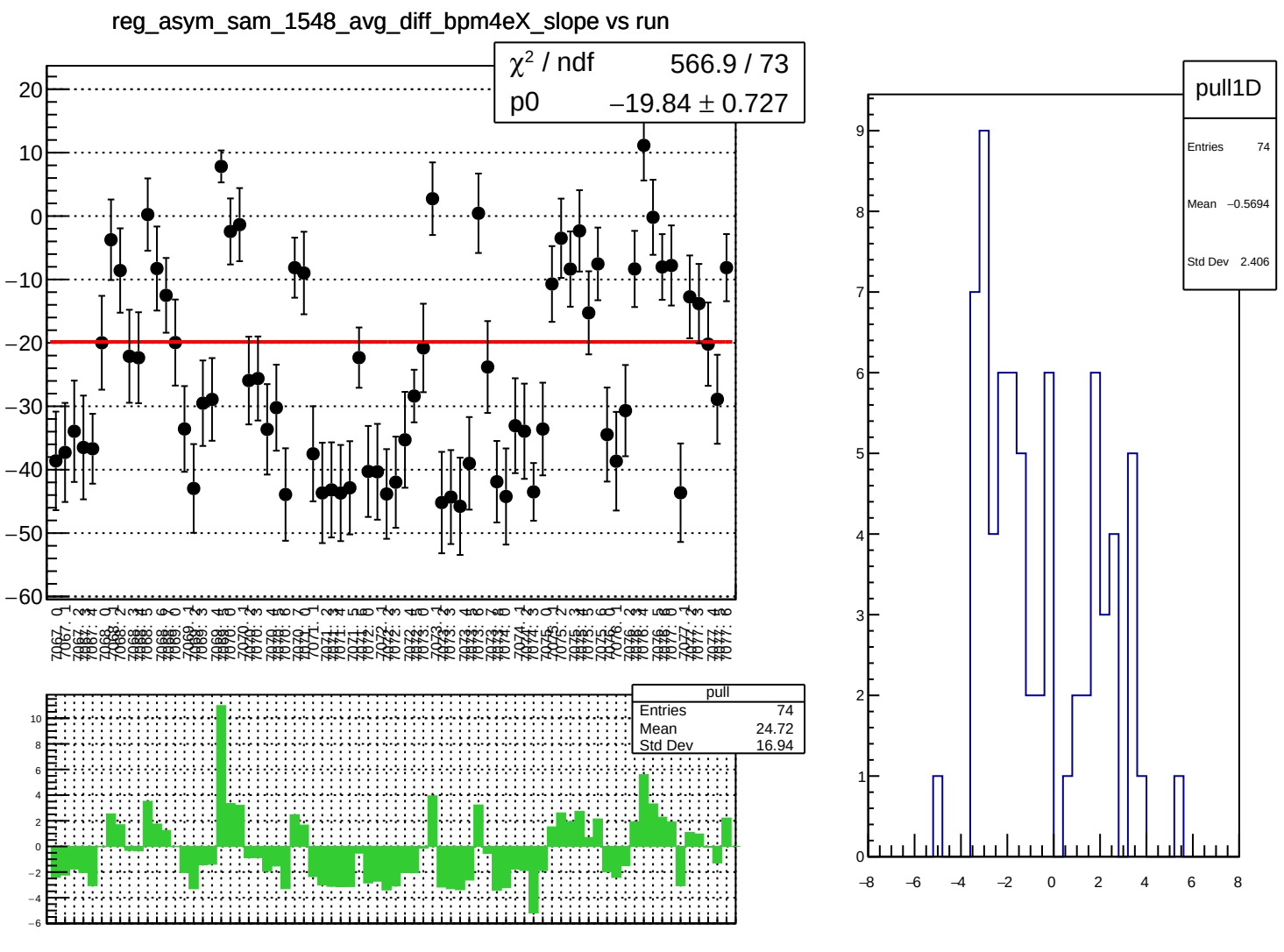

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 24.89 / 73
p0 0.5365 ± 0.02222
pull
Entries 74
Mean 1075
Std Dev 1054

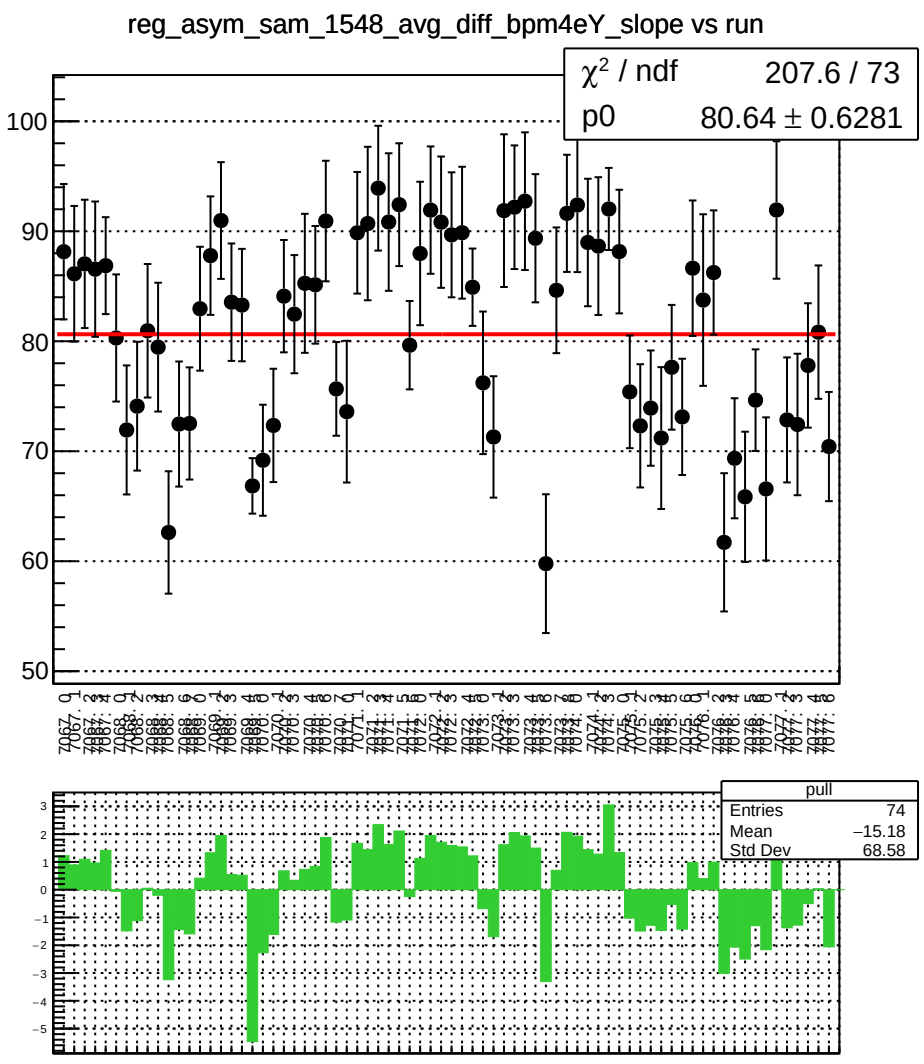

pull1D
Entries 74
Mean −0.002498
Std Dev 0.58

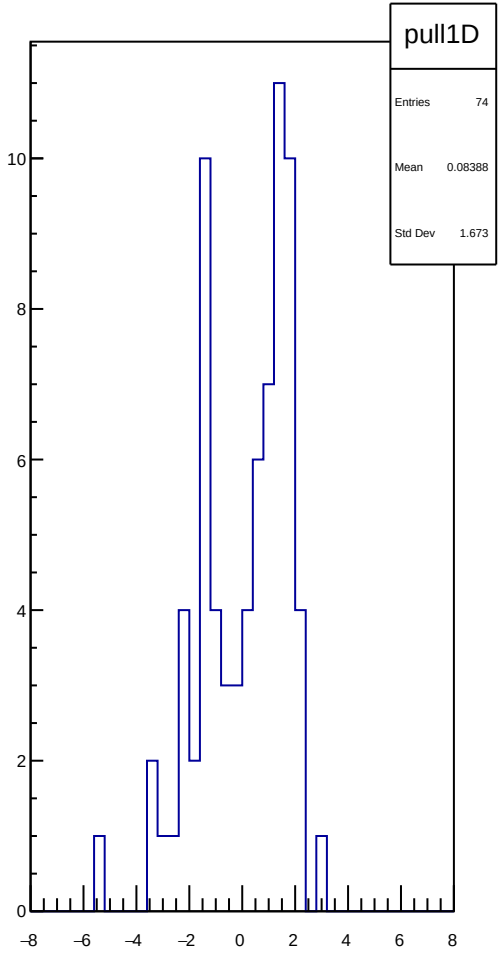

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 673.4 / 73
p0 −36.47 ± 0.755
pull
Entries 74
Mean 22.03
Std Dev 17.87

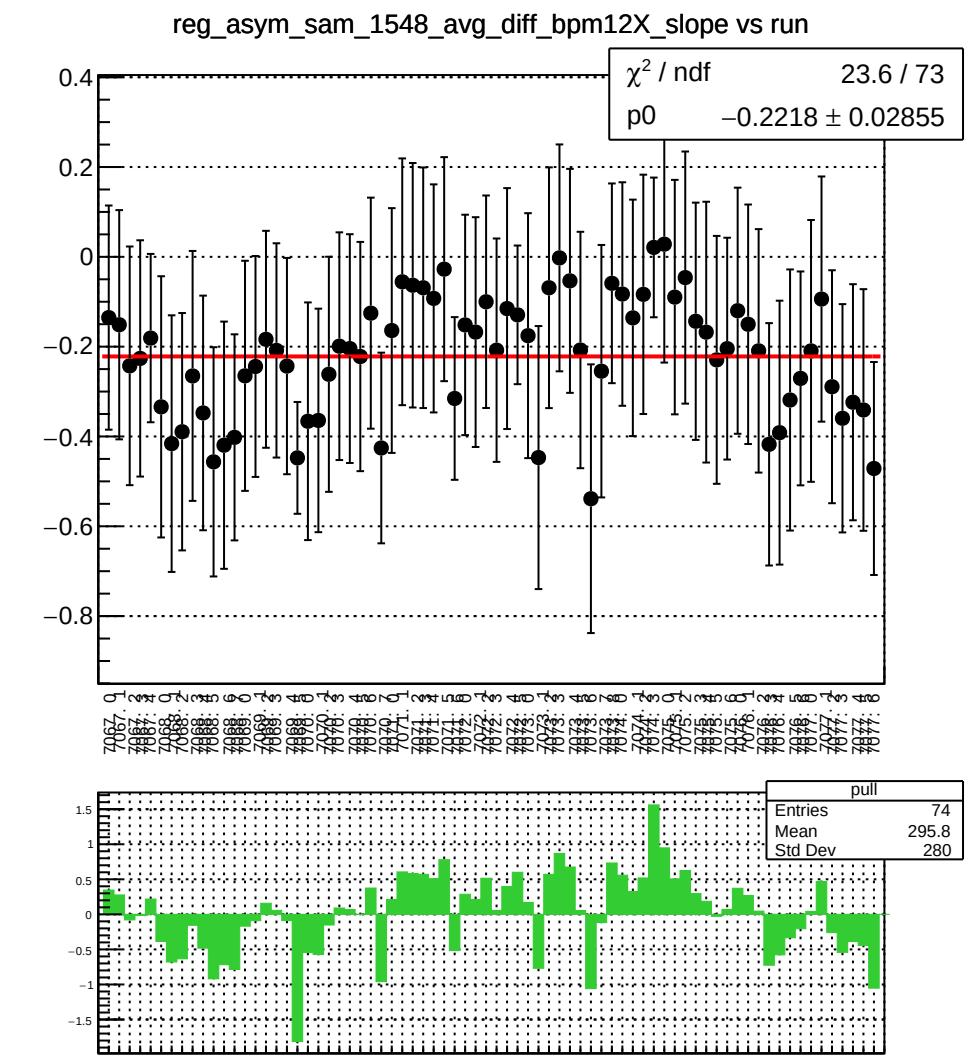

pull1D
Entries 74
Mean 0.6127
Std Dev 2.637

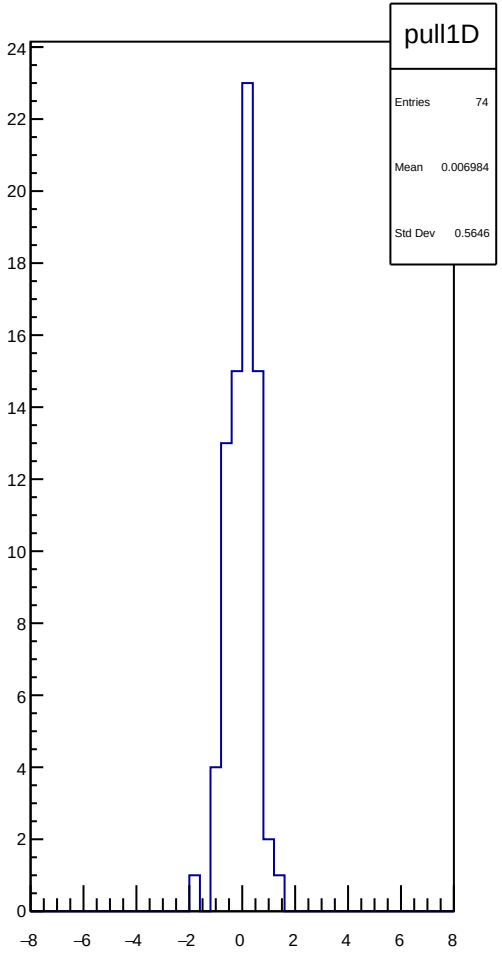

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 276.4 / 73
p0 3.08 ± 0.6031
pull
Entries 74
Mean −59.29
Std Dev 105.7
pull1D
Entries 74
Mean −0.07278
Std Dev 1.931

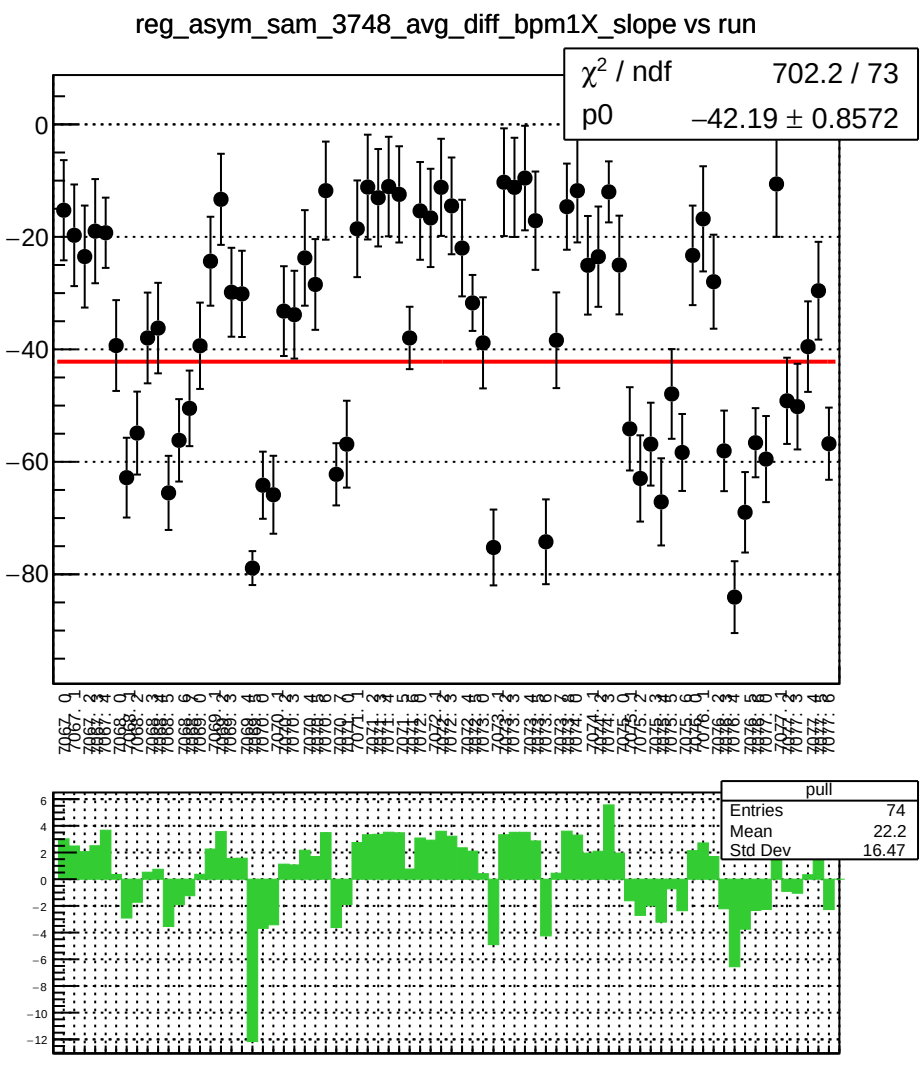

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 566.9 / 73
p0 −19.84 ± 0.727
pull
Entries 74
Mean 24.72
Std Dev 16.94
pull1D
Entries 74
Mean −0.5694
Std Dev 2.406

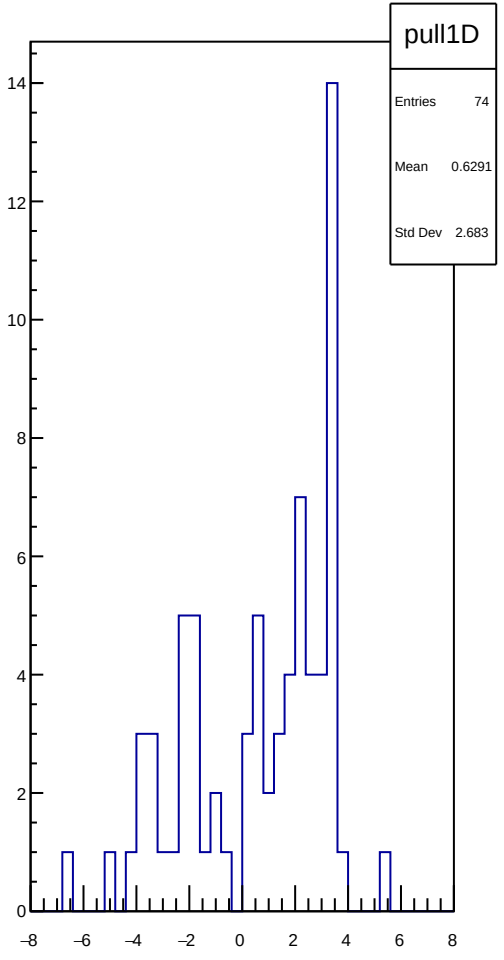

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 207.6 / 73
p0 80.64 ± 0.6281
pull
Entries 74
Mean −15.18
Std Dev 68.58

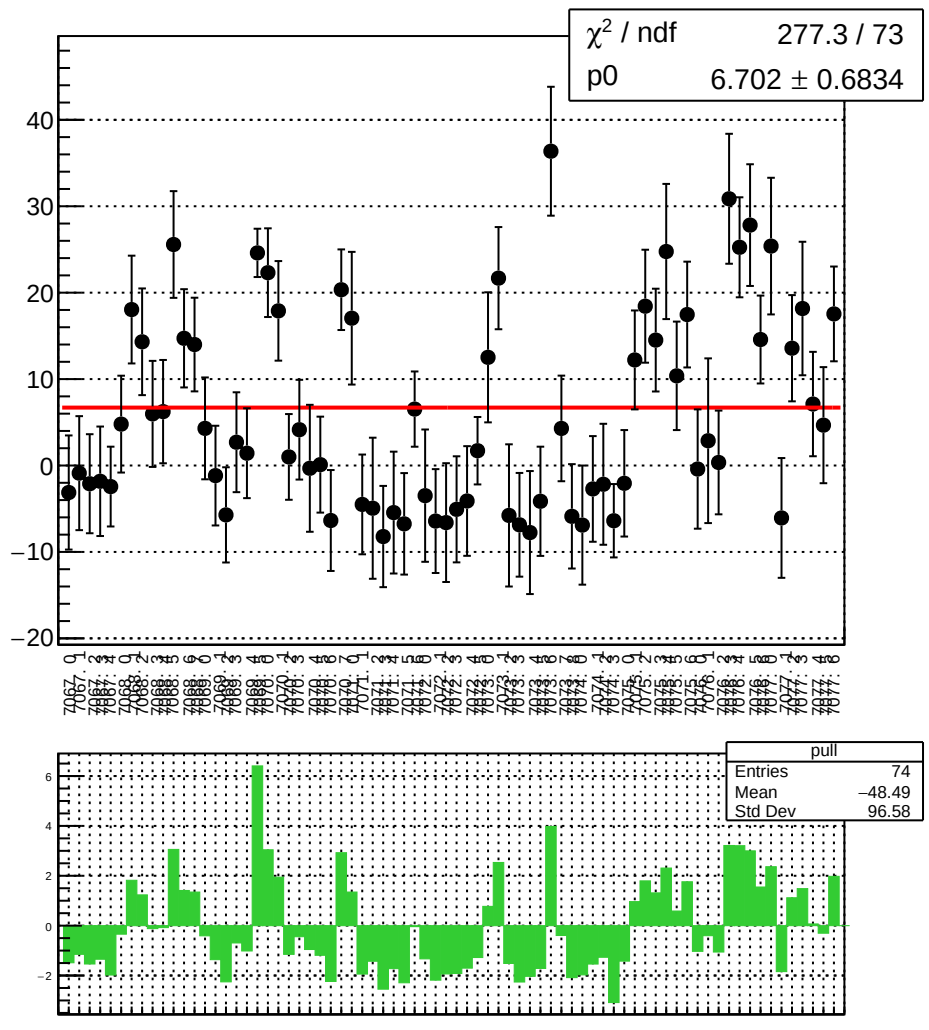

pull1D
Entries 74
Mean 0.08388
Std Dev 1.673

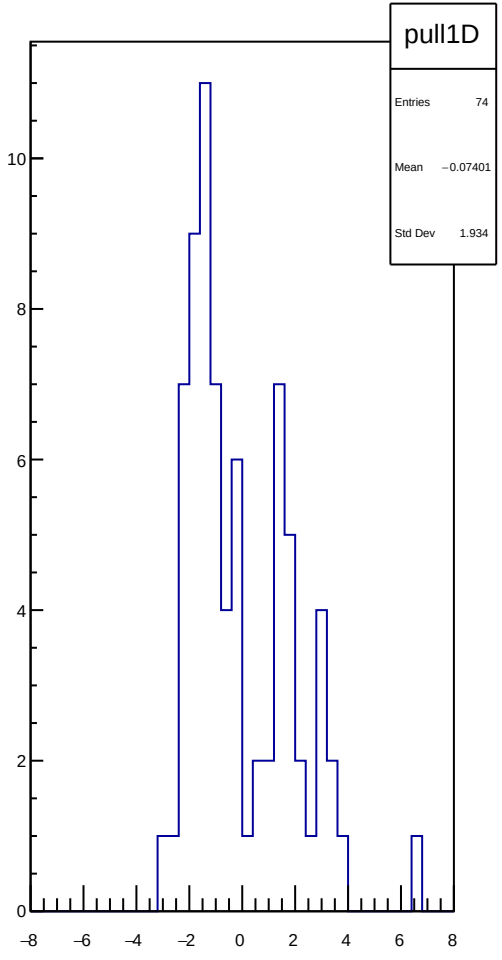

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 23.6 / 73
p0 −0.2218 ± 0.02855
pull
Entries 74
Mean 295.8
Std Dev 280

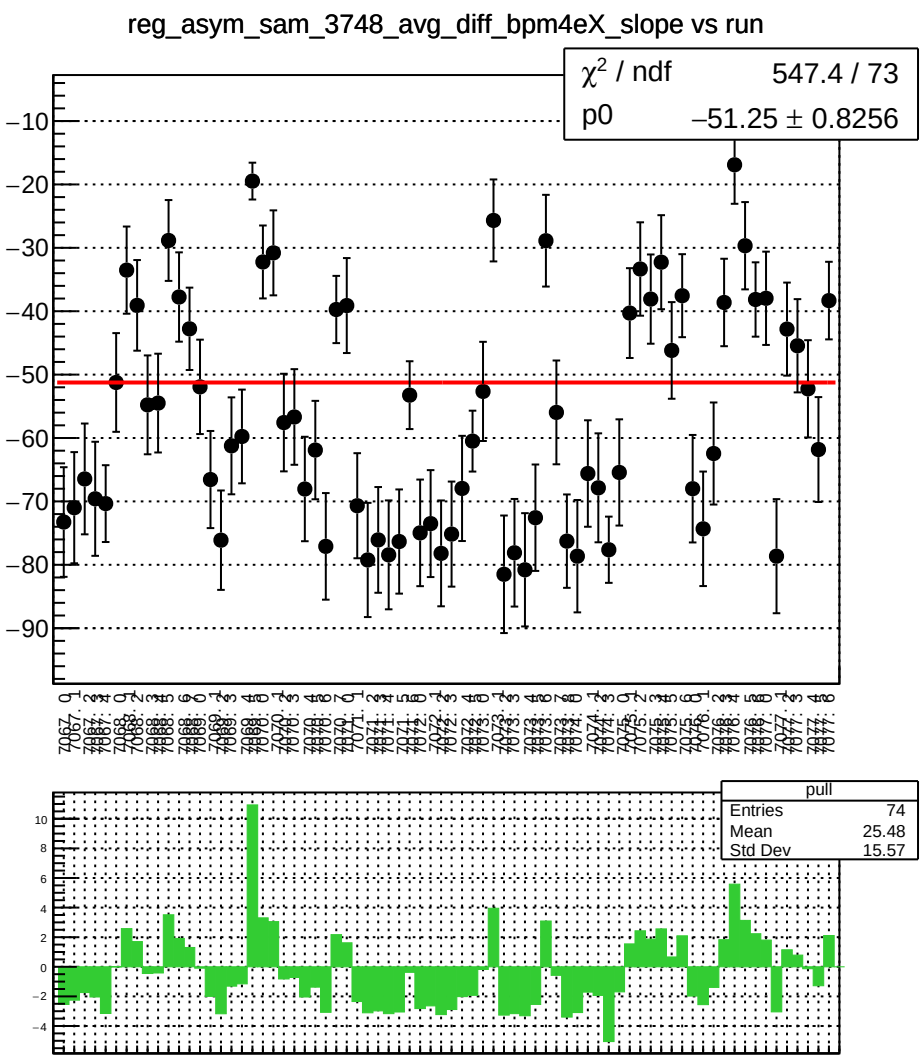

pull1D
Entries 74
Mean 0.006984
Std Dev 0.5646

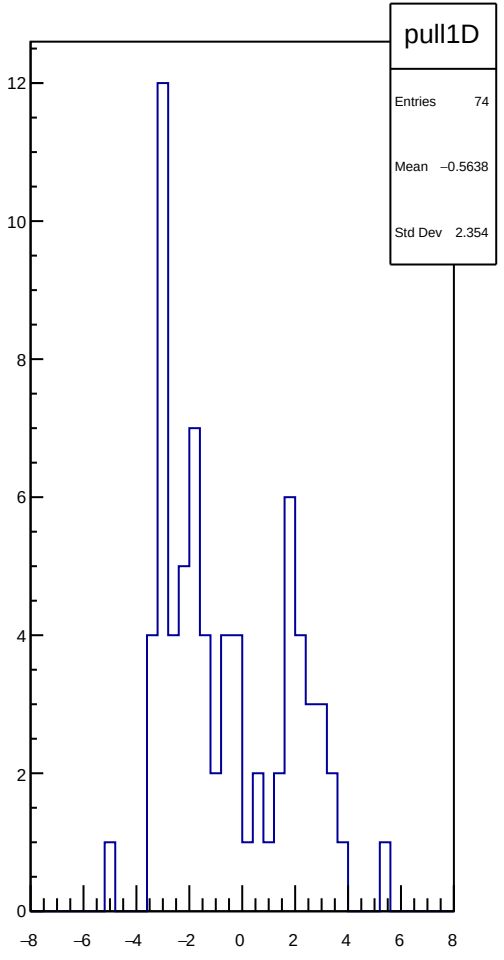

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 702.2 / 73
p0 −42.19 ± 0.8572
pull
Entries 74
Mean 22.2
Std Dev 16.47

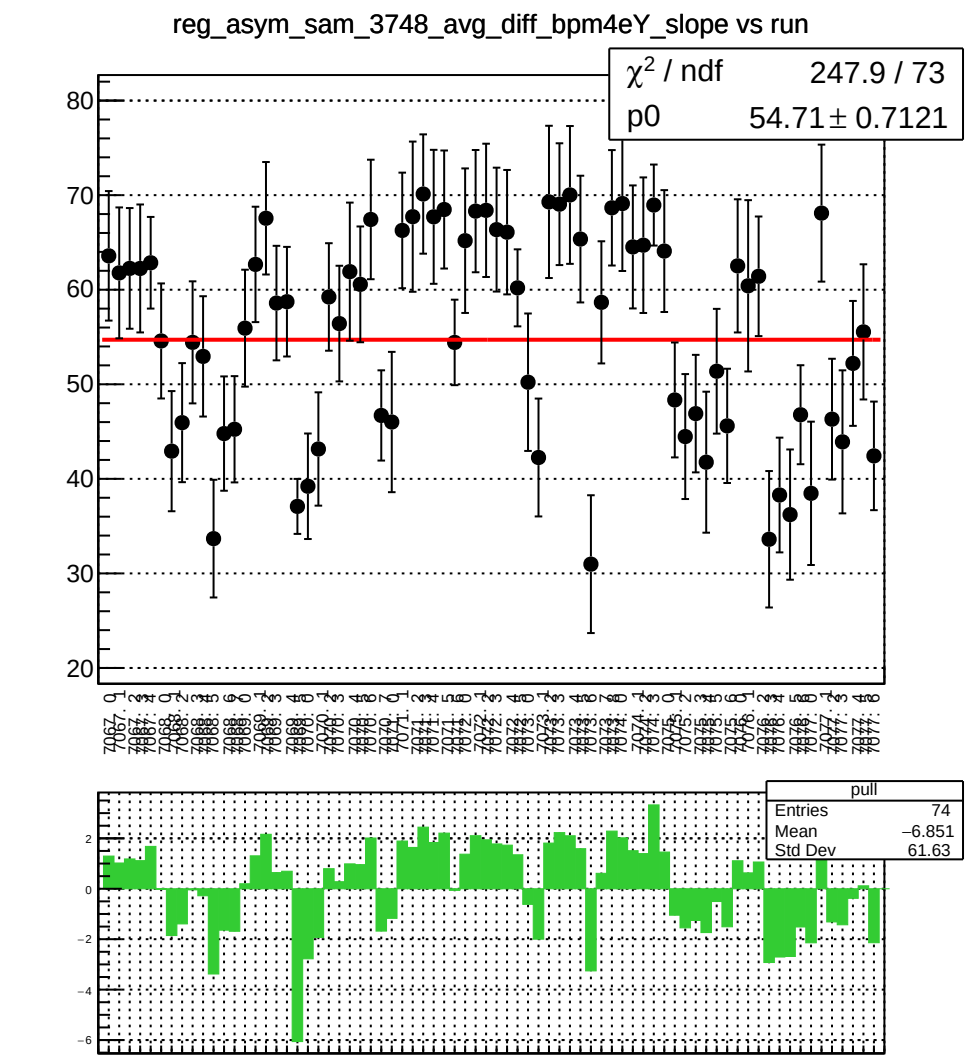

pull1D
Entries 74
Mean 0.6291
Std Dev 2.683

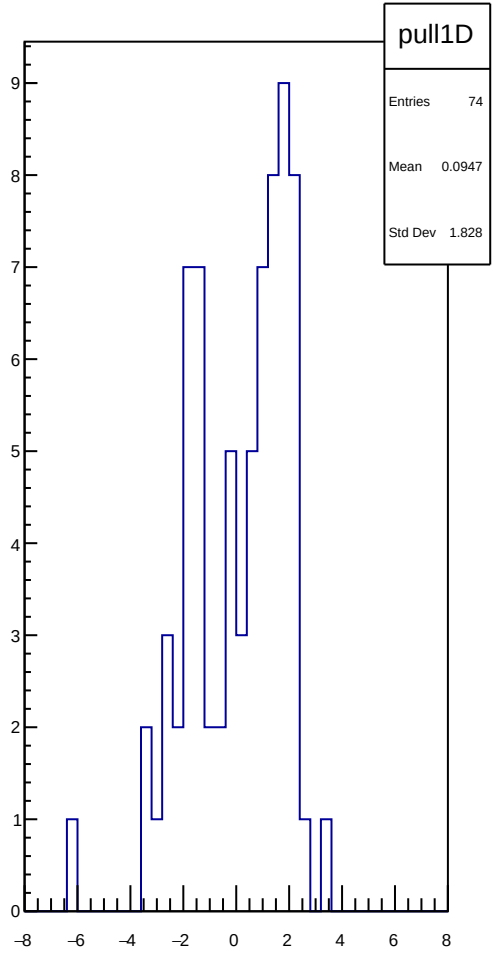

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 277.3 / 73
p0 6.702 ± 0.6834
pull
Entries 74
Mean −48.49
Std Dev 96.58

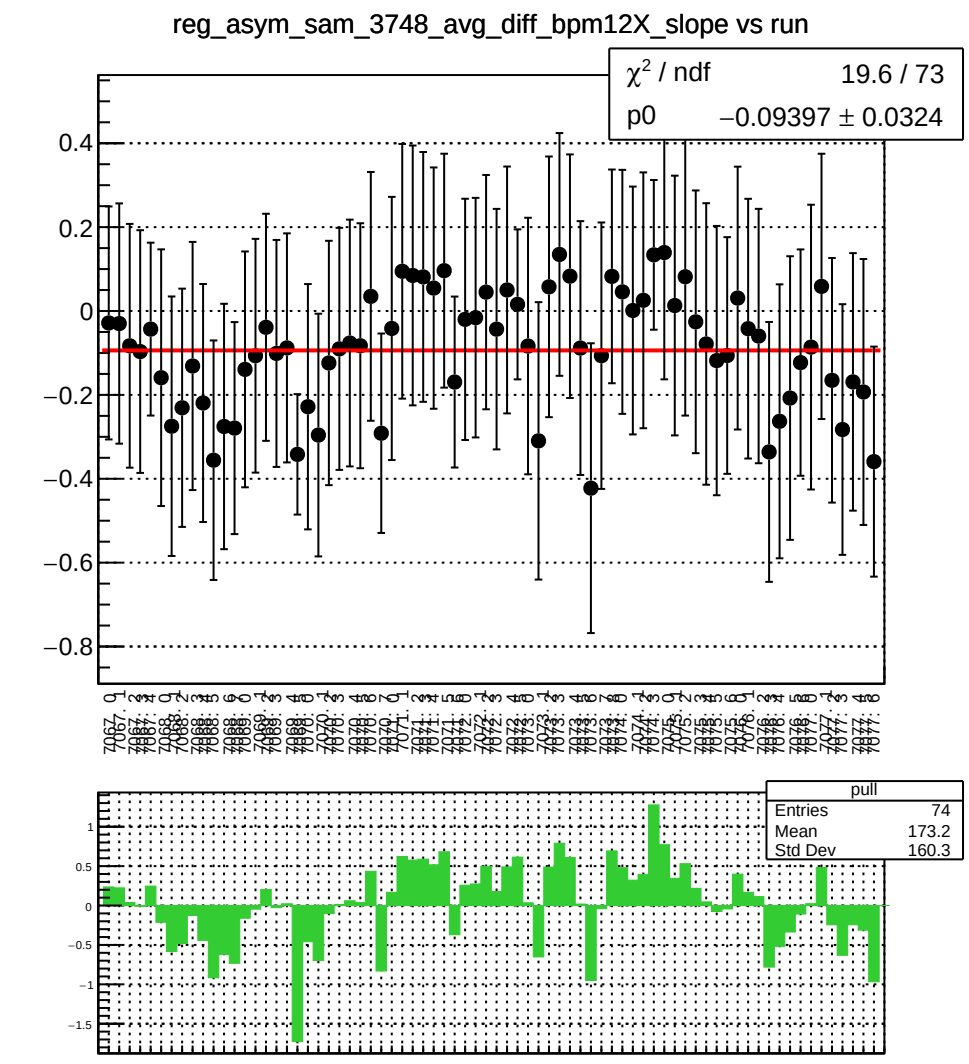

pull1D
Entries 74
Mean −0.07401
Std Dev 1.934

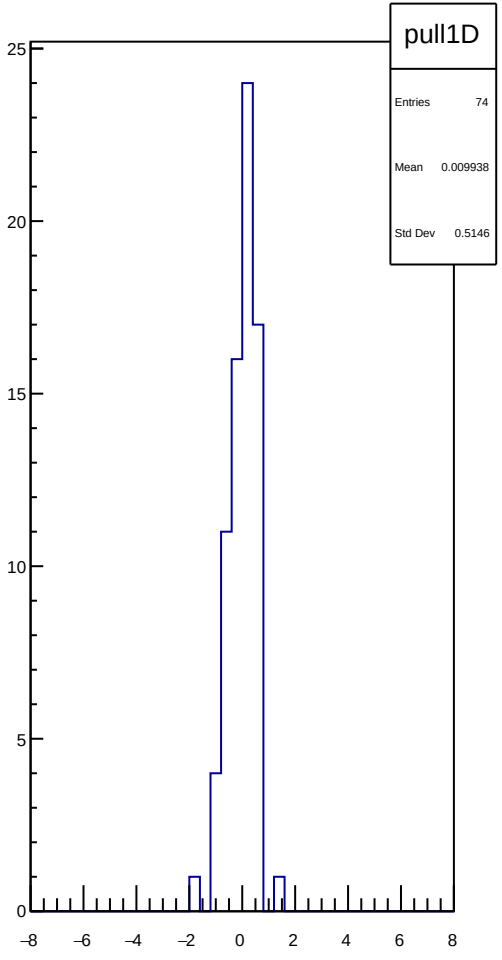

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 547.4 / 73
p0 −51.25 ± 0.8256
pull
Entries 74
Mean 25.48
Std Dev 15.57

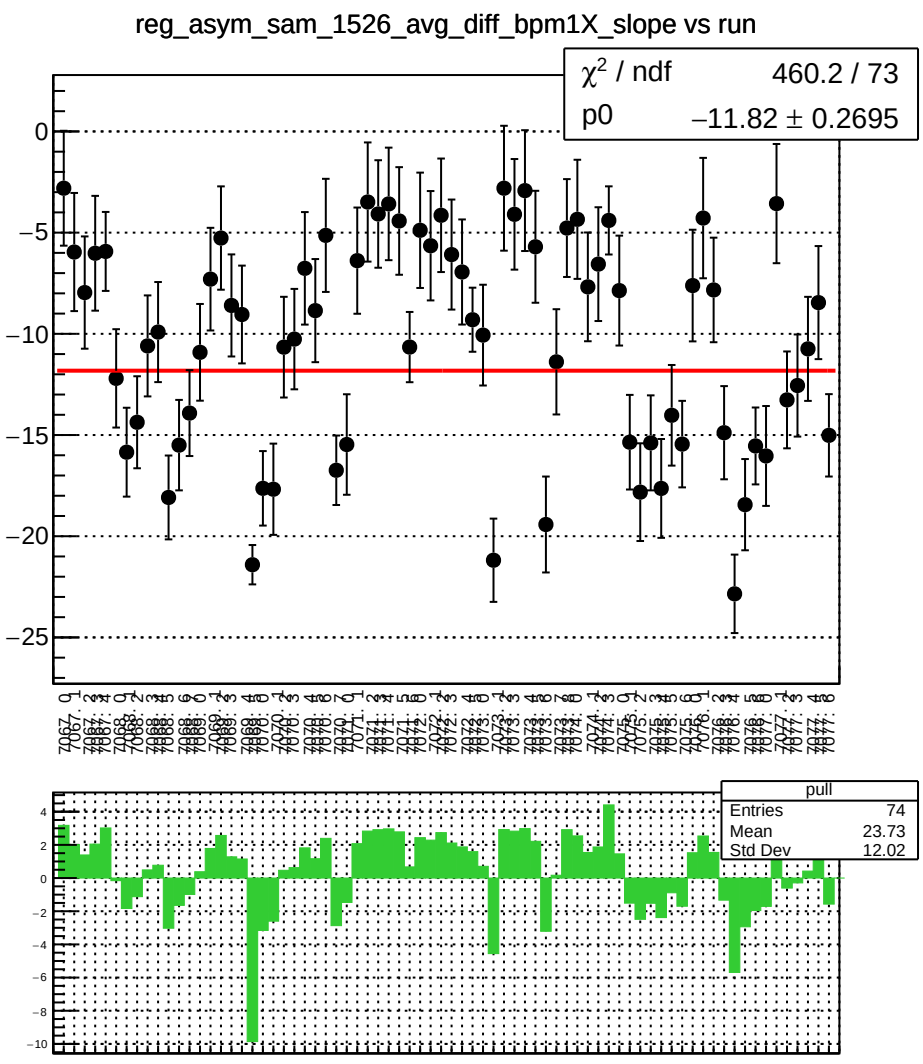

pull1D
Entries 74
Mean −0.5638
Std Dev 2.354

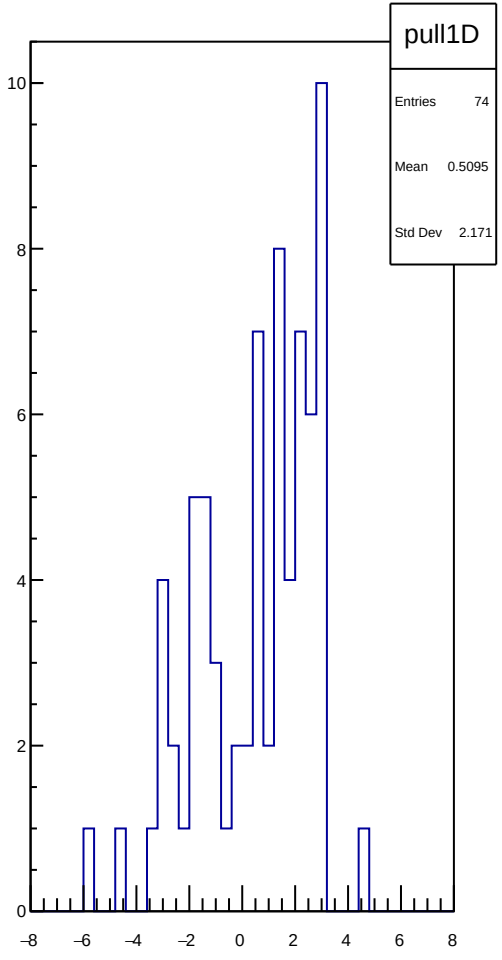

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 247.9 / 73
p0 54.71 ± 0.7121
pull
Entries 74
Mean −6.851
Std Dev 61.63

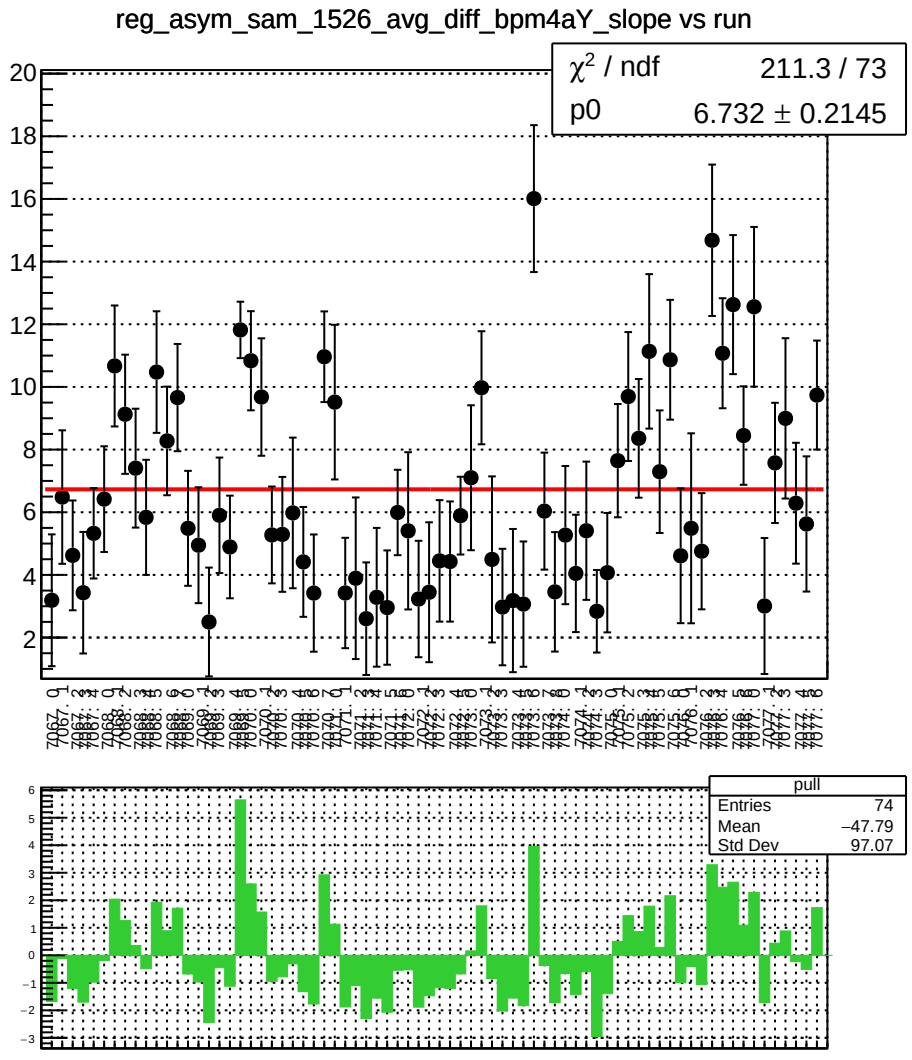

pull1D
Entries 74
Mean 0.0947
Std Dev 1.828

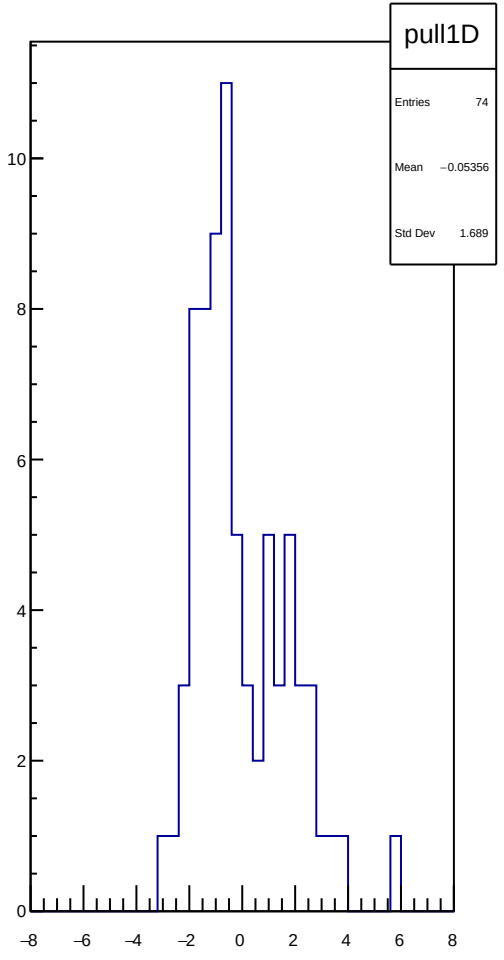

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 19.6 / 73
p0 −0.09397 ± 0.0324
pull
Entries 74
Mean 173.2
Std Dev 160.3

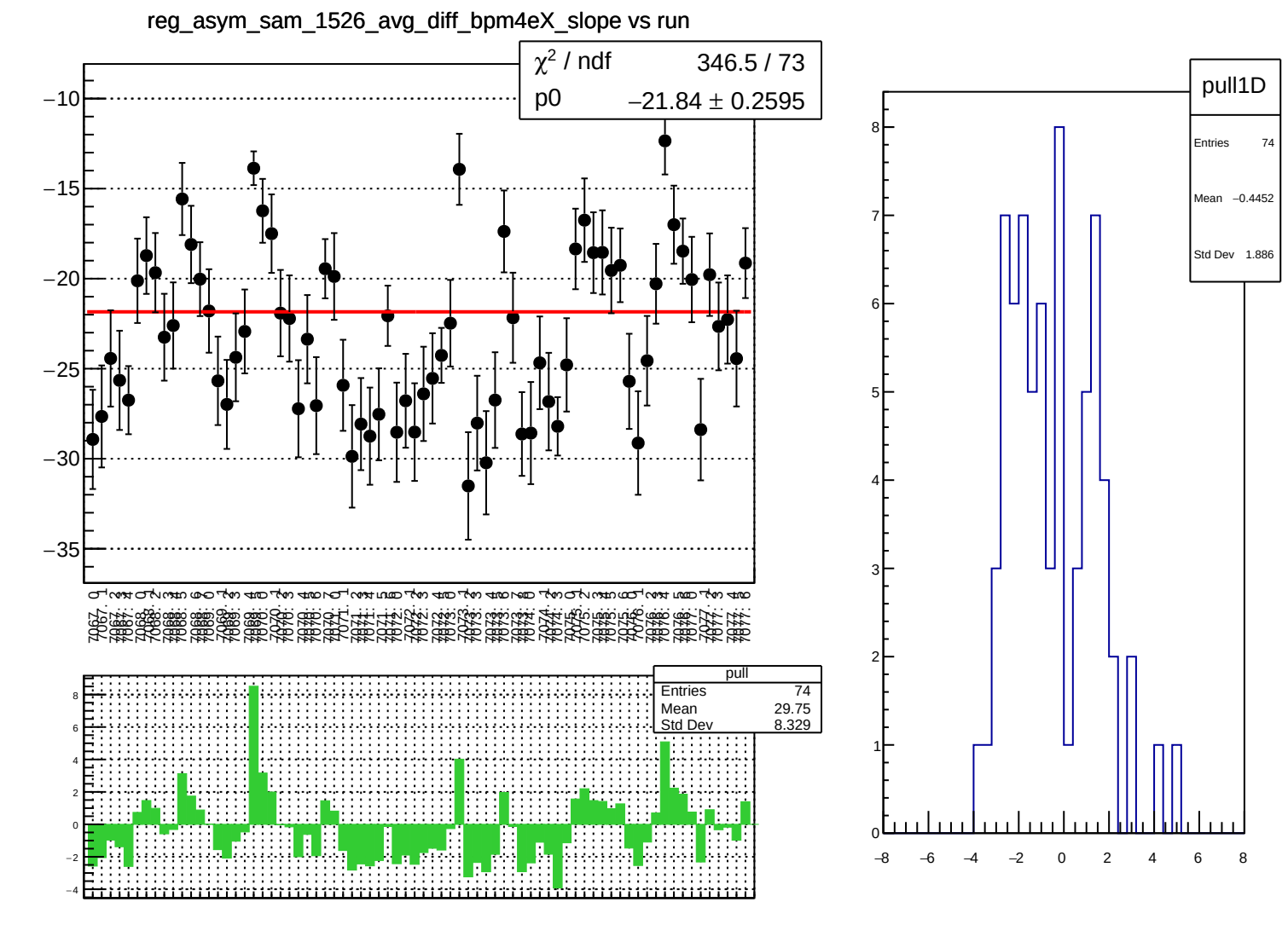

pull1D
Entries 74
Mean 0.009938
Std Dev 0.5146

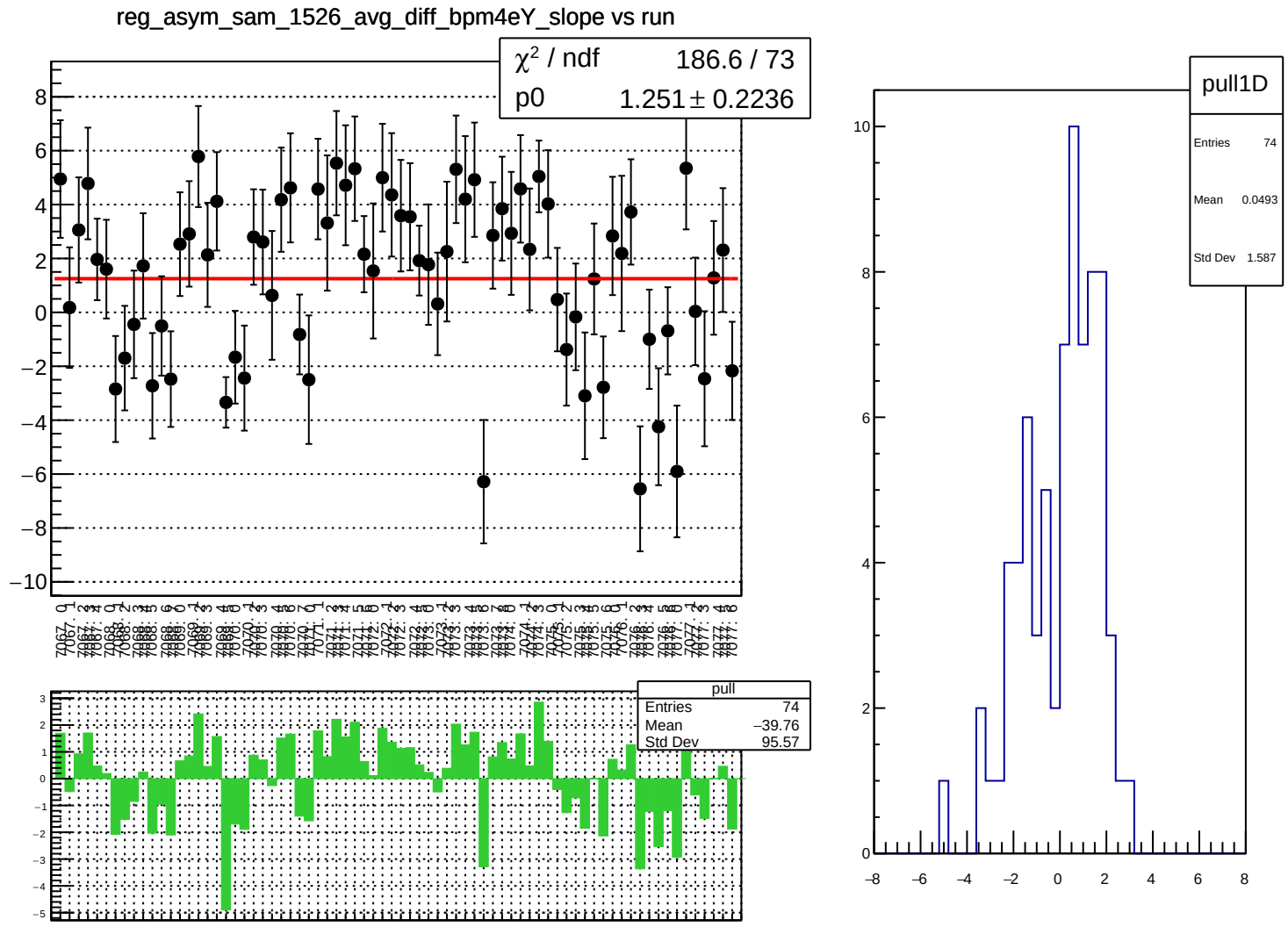

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 460.2 / 73
p0 −11.82 ± 0.2695
pull
Entries 74
Mean 23.73
Std Dev 12.02

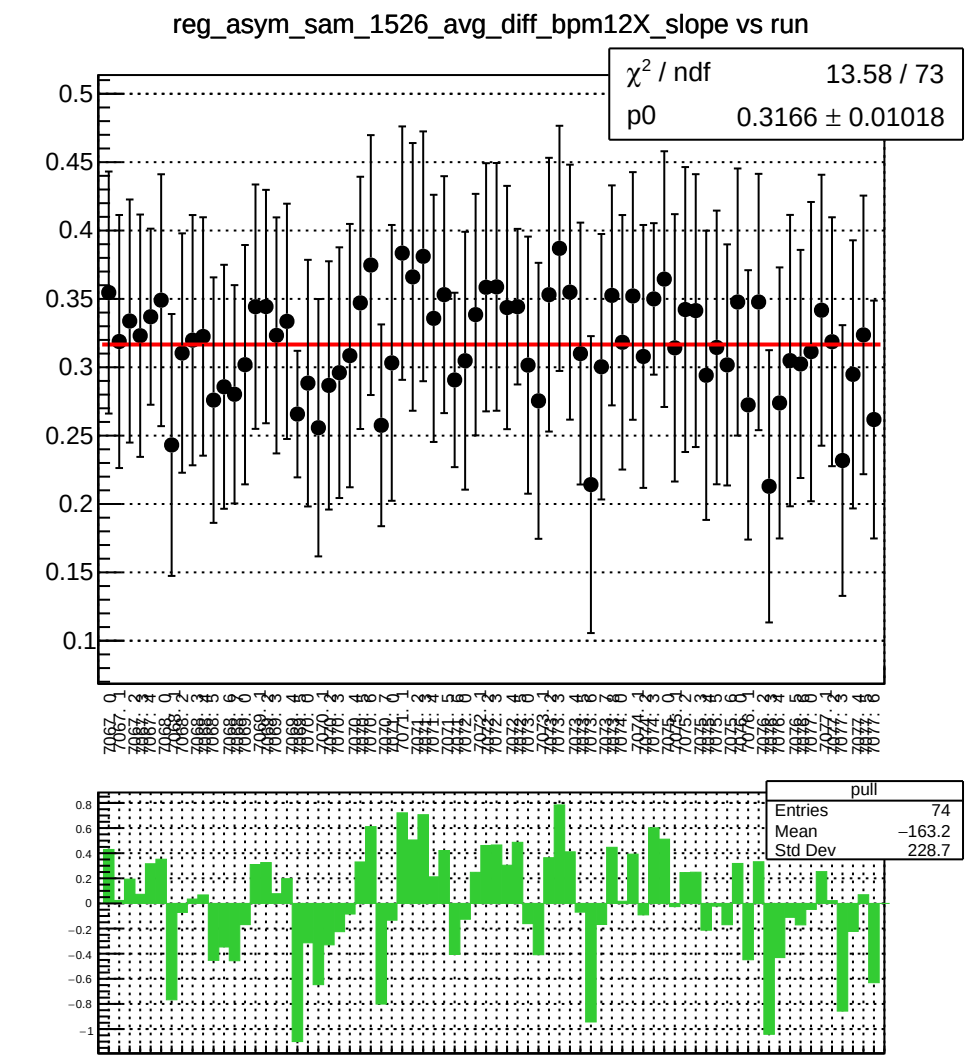

pull1D
Entries 74
Mean 0.5095
Std Dev 2.171

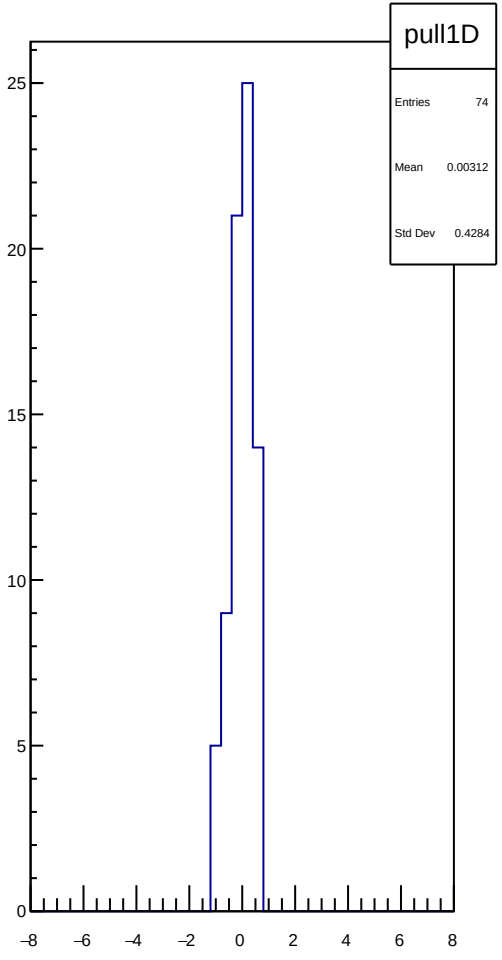

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 211.3 / 73
p0 6.732 ± 0.2145
pull
Entries 74
Mean −47.79
Std Dev 97.07

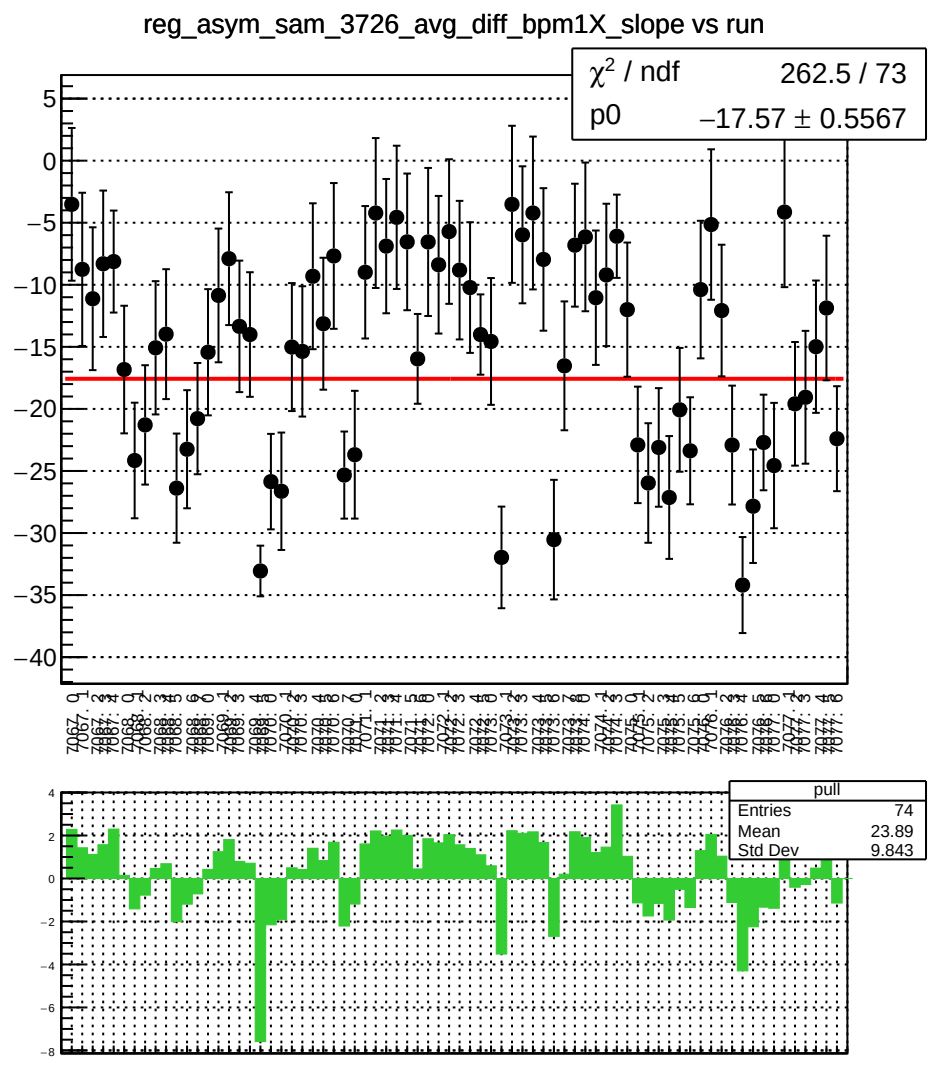

pull1D
Entries 74
Mean −0.05356
Std Dev 1.689

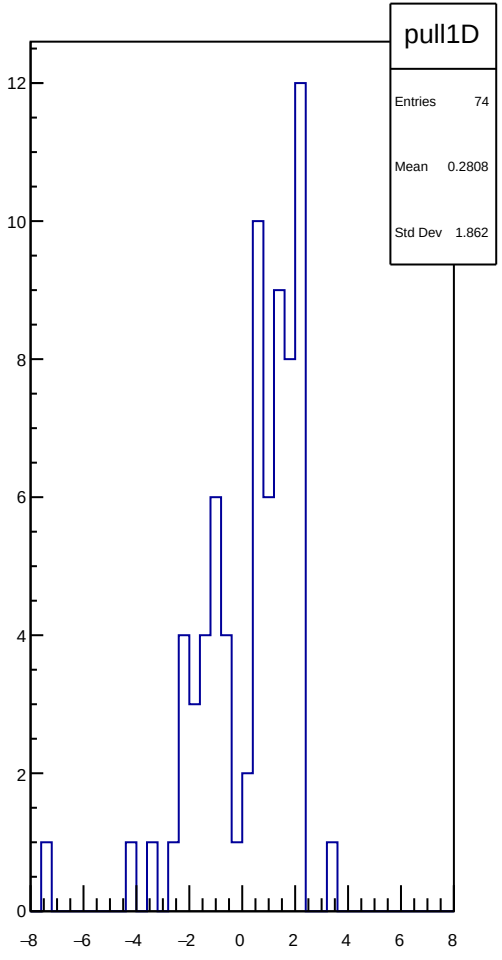

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 346.5 / 73
p0 −21.84 ± 0.2595
pull
Entries 74
Mean 29.75
Std Dev 8.329
pull1D
Entries 74
Mean −0.4452
Std Dev 1.886

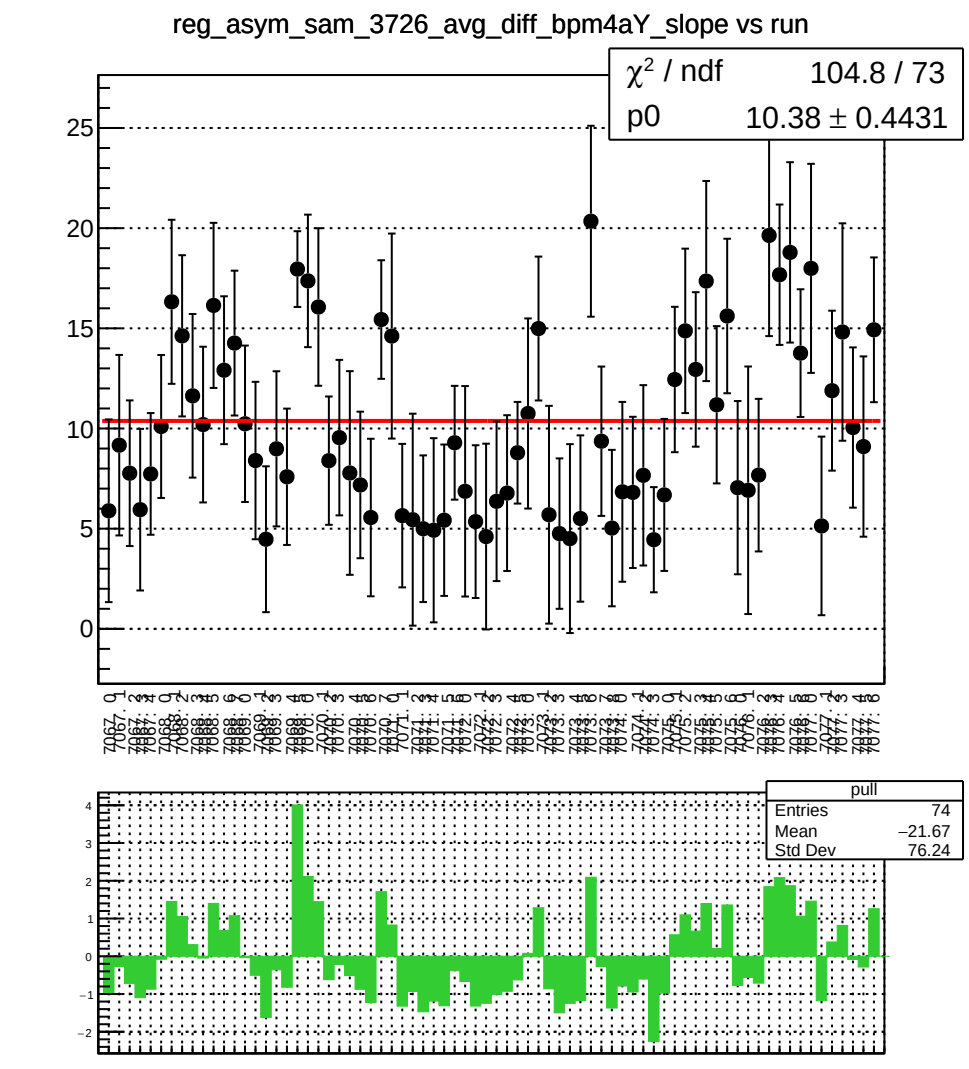

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 186.6 / 73
p0 1.251 ± 0.2236
pull
Entries 74
Mean −39.76
Std Dev 95.57
pull1D
Entries 74
Mean 0.0493
Std Dev 1.587

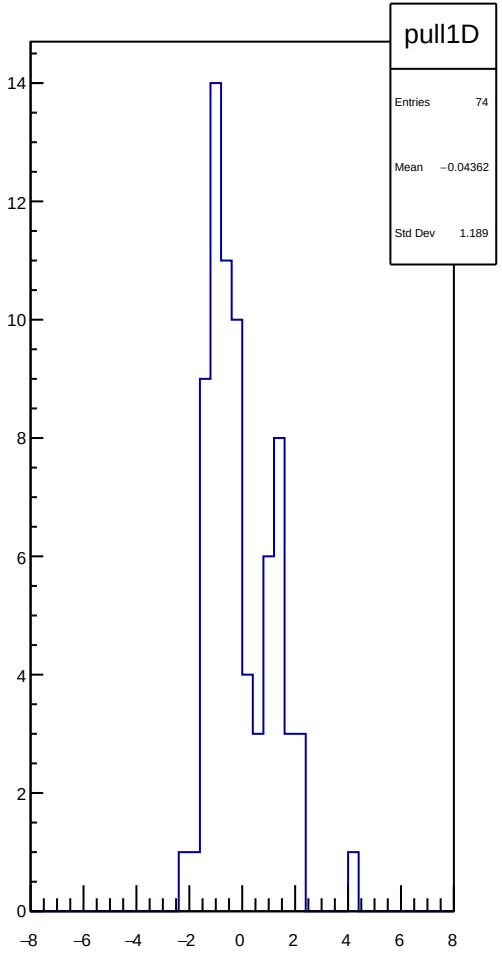

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 13.58 / 73
p0 0.3166 ± 0.01018
pull
Entries 74
Mean −163.2
Std Dev 228.7

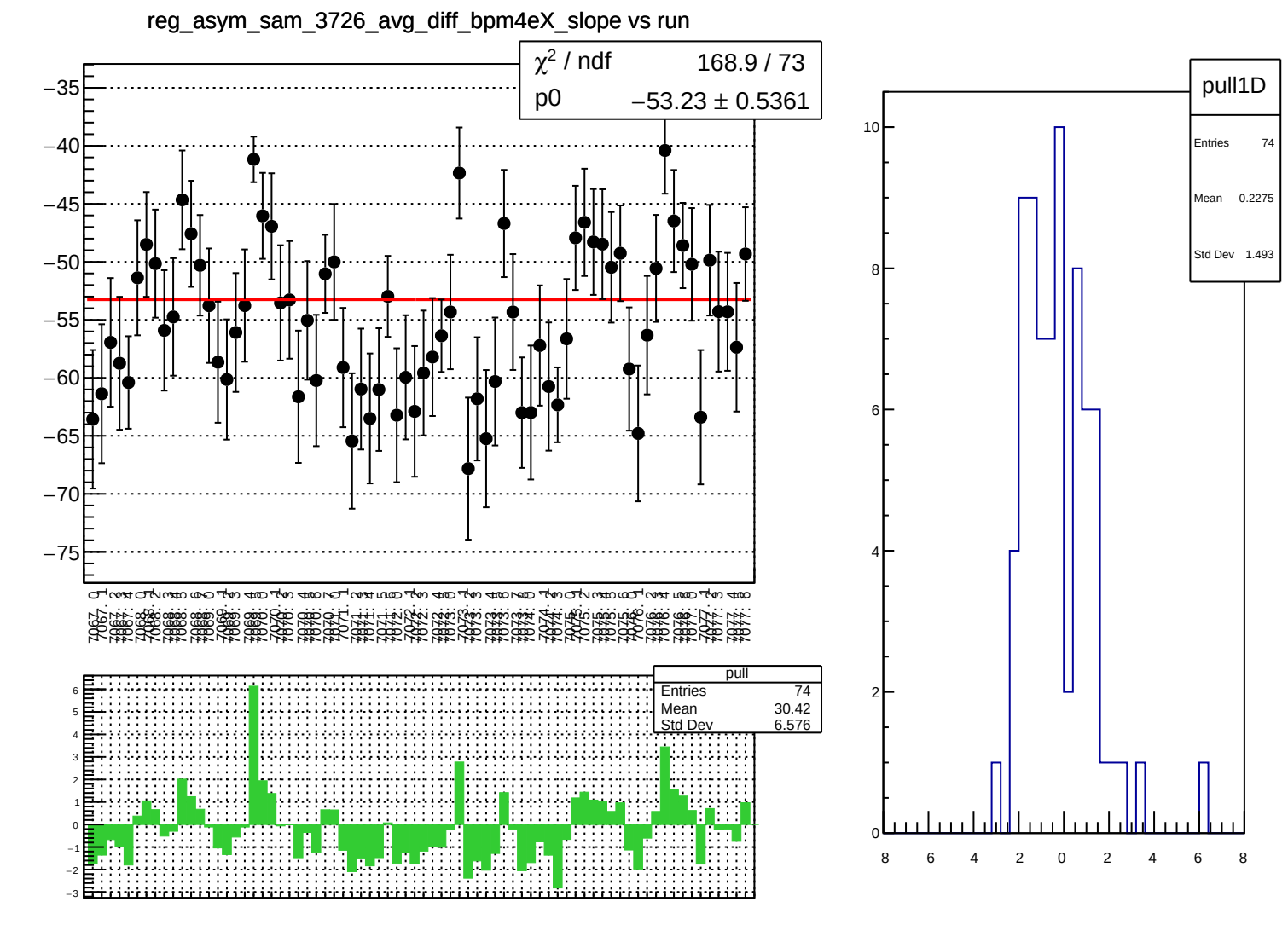

pull1D
Entries 74
Mean 0.00312
Std Dev 0.4284

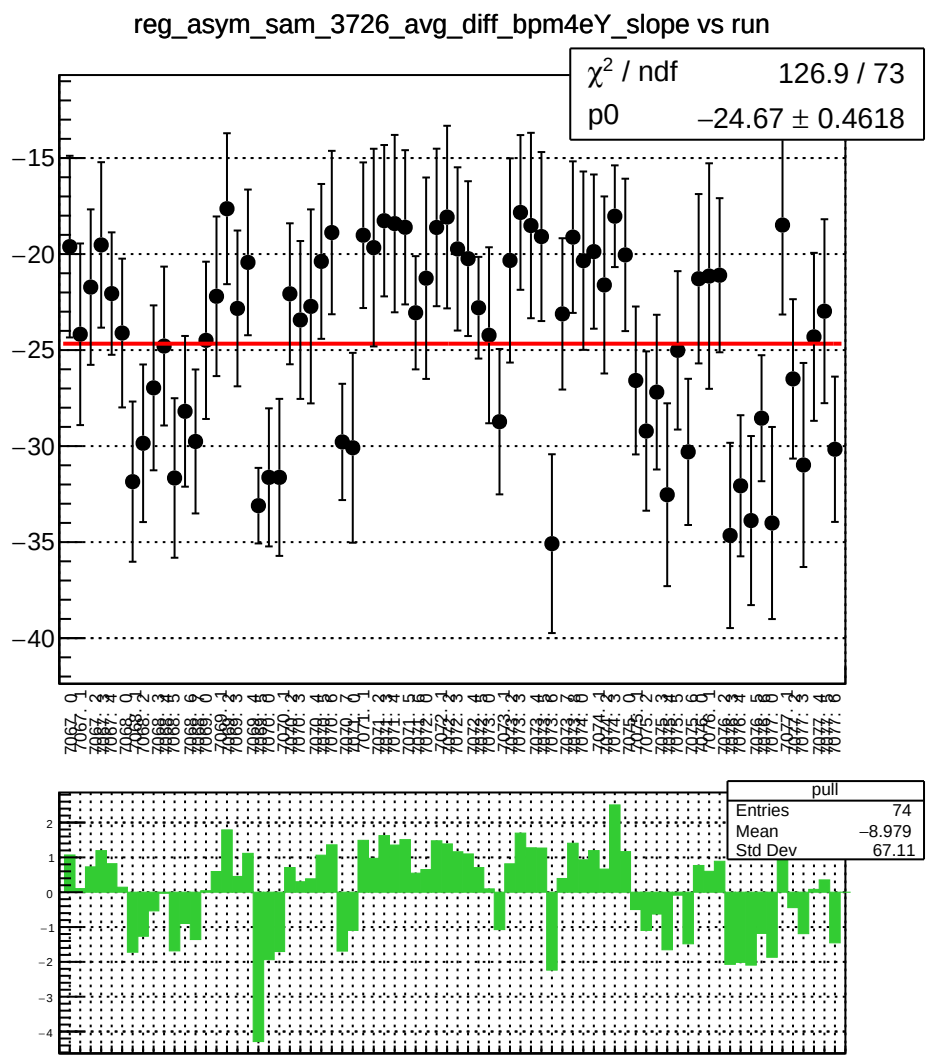

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 262.5 / 73
p0 −17.57 ± 0.5567
pull
Entries 74
Mean 23.89
Std Dev 9.843

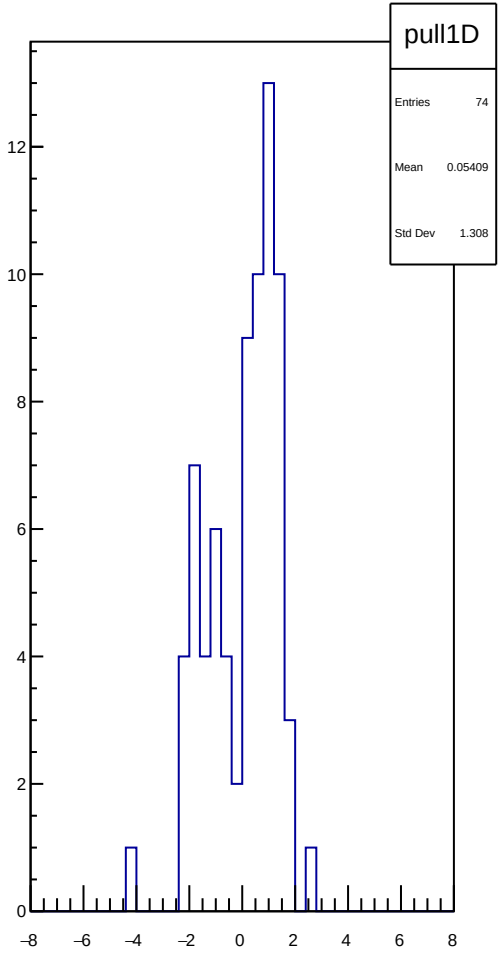

pull1D
Entries 74
Mean 0.2808
Std Dev 1.862

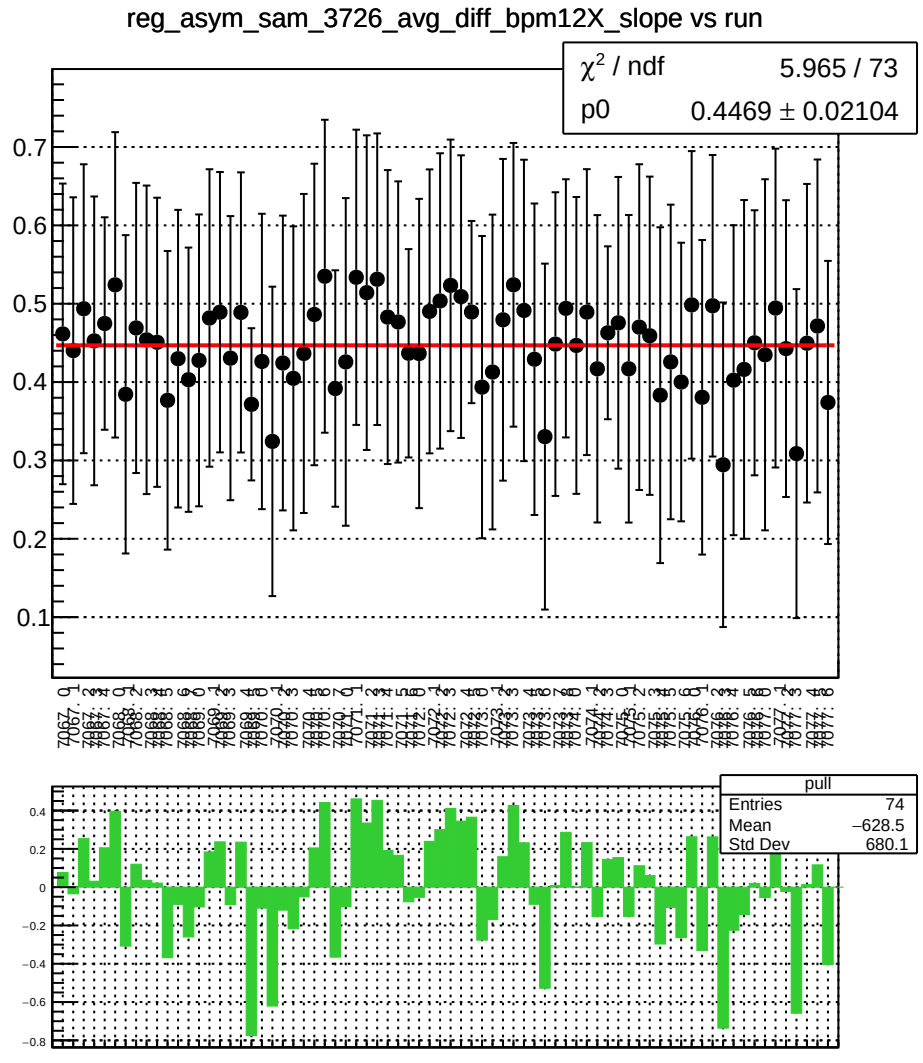

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 104.8 / 73
p0 10.38 ± 0.4431
pull
Entries 74
Mean −21.67
Std Dev 76.24

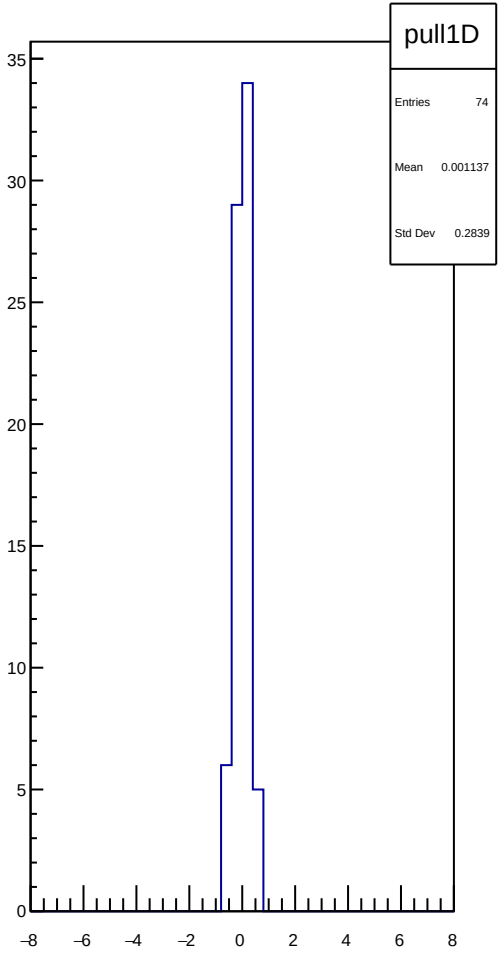

pull1D
Entries 74
Mean −0.04362
Std Dev 1.189

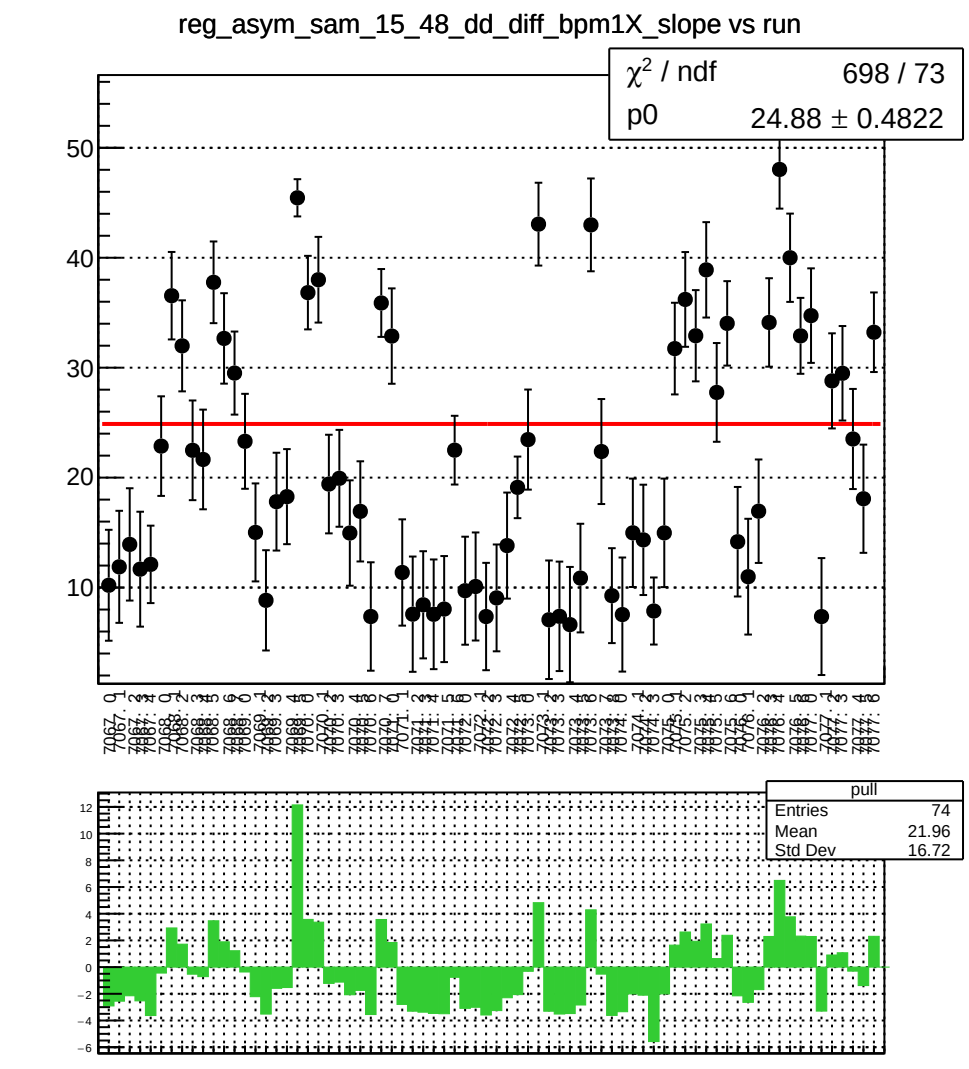

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 168.9 / 73
p0 −53.23 ± 0.5361
pull
Entries 74
Mean 30.42
Std Dev 6.576
pull1D
Entries 74
Mean −0.2275
Std Dev 1.493

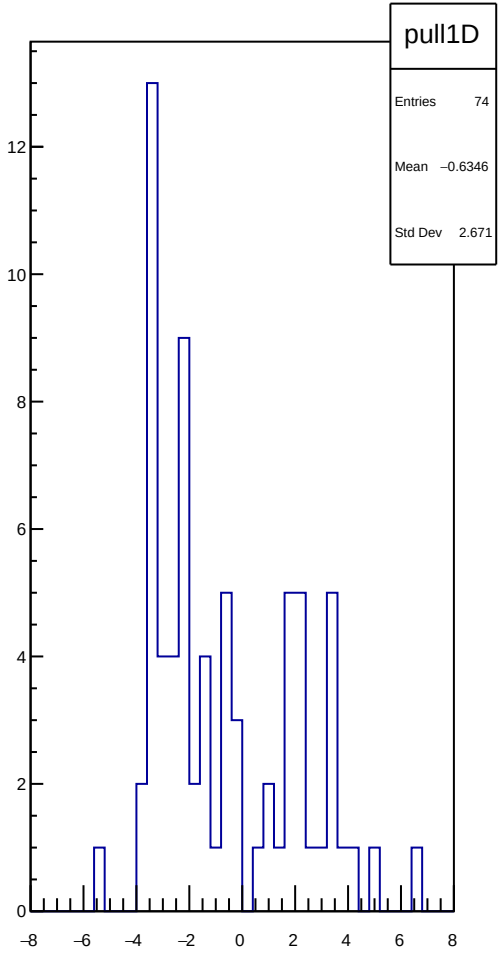

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 126.9 / 73
p0 −24.67 ± 0.4618
pull
Entries 74
Mean −8.979
Std Dev 67.11

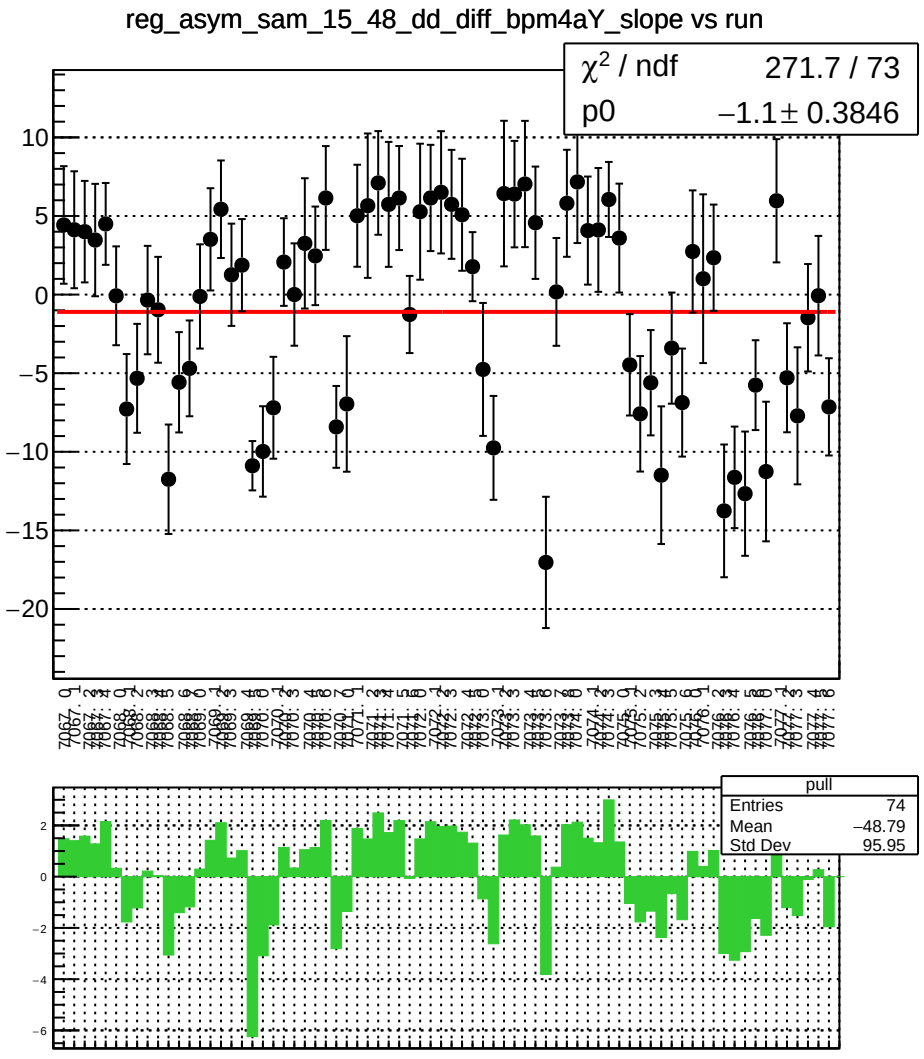

pull1D
Entries 74
Mean 0.05409
Std Dev 1.308

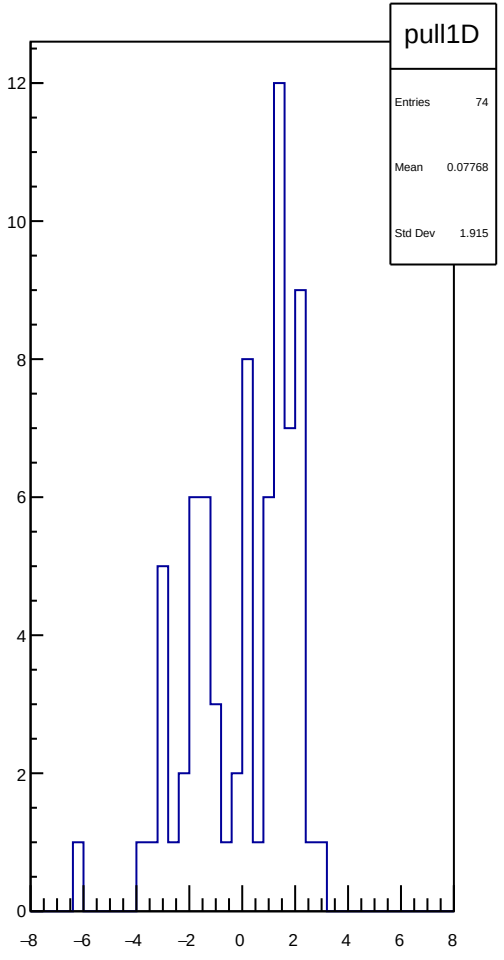

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 5.965 / 73
p0 0.4469 ± 0.02104
pull
Entries 74
Mean −628.5
Std Dev 680.1

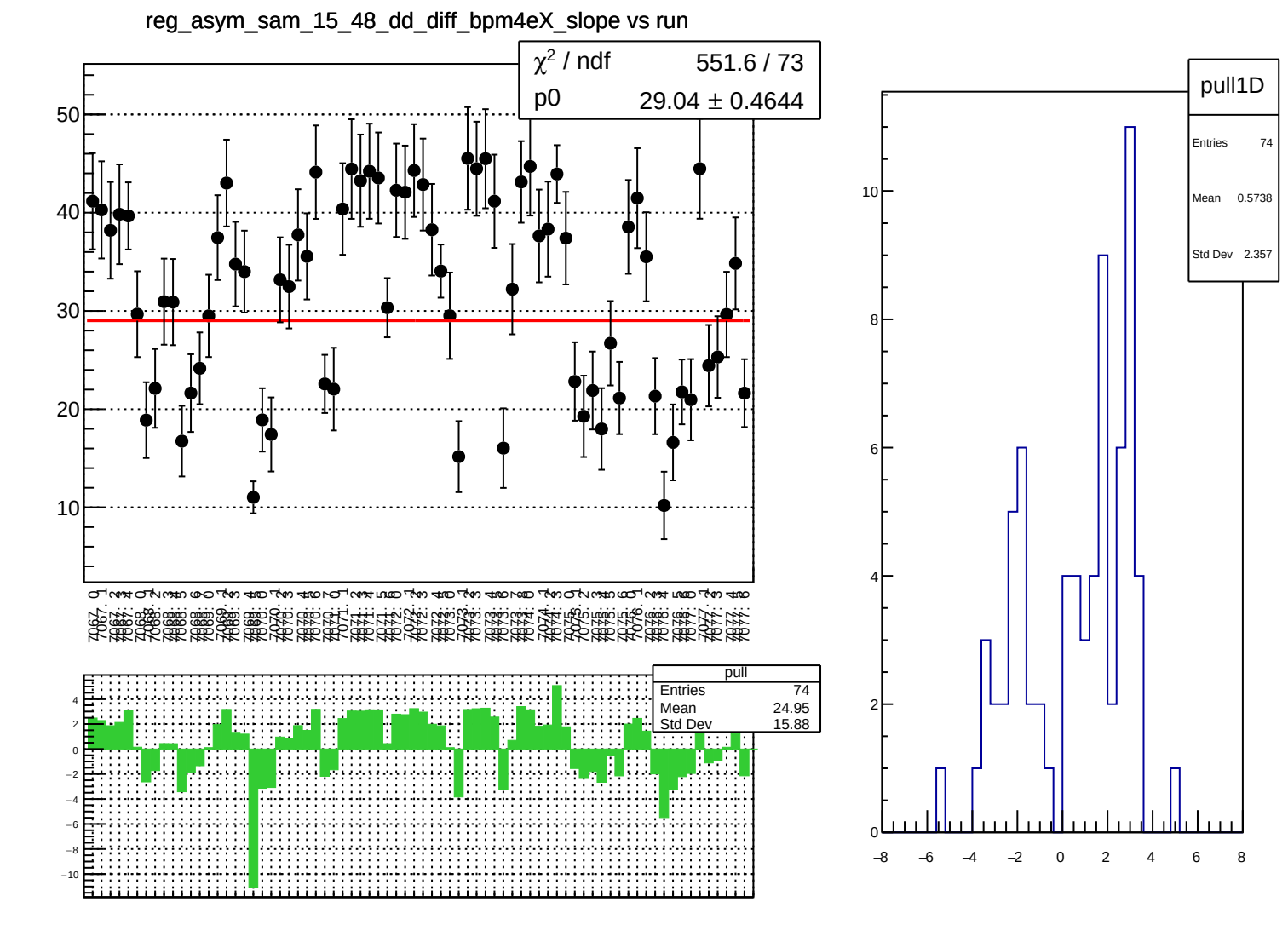

pull1D
Entries 74
Mean 0.001137
Std Dev 0.2839

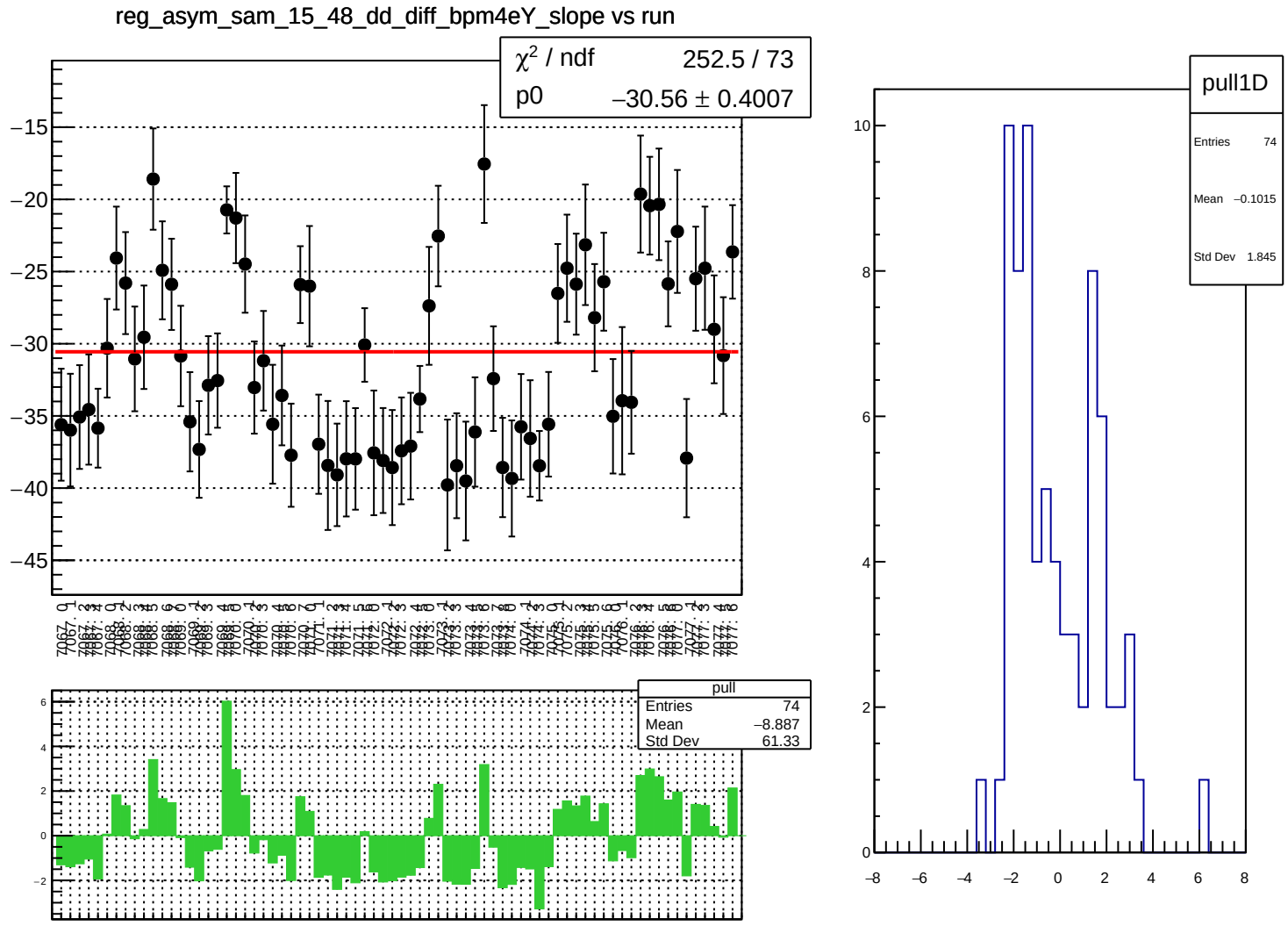

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 698 / 73
p0 24.88 ± 0.4822
pull
Entries 74
Mean 21.96
Std Dev 16.72

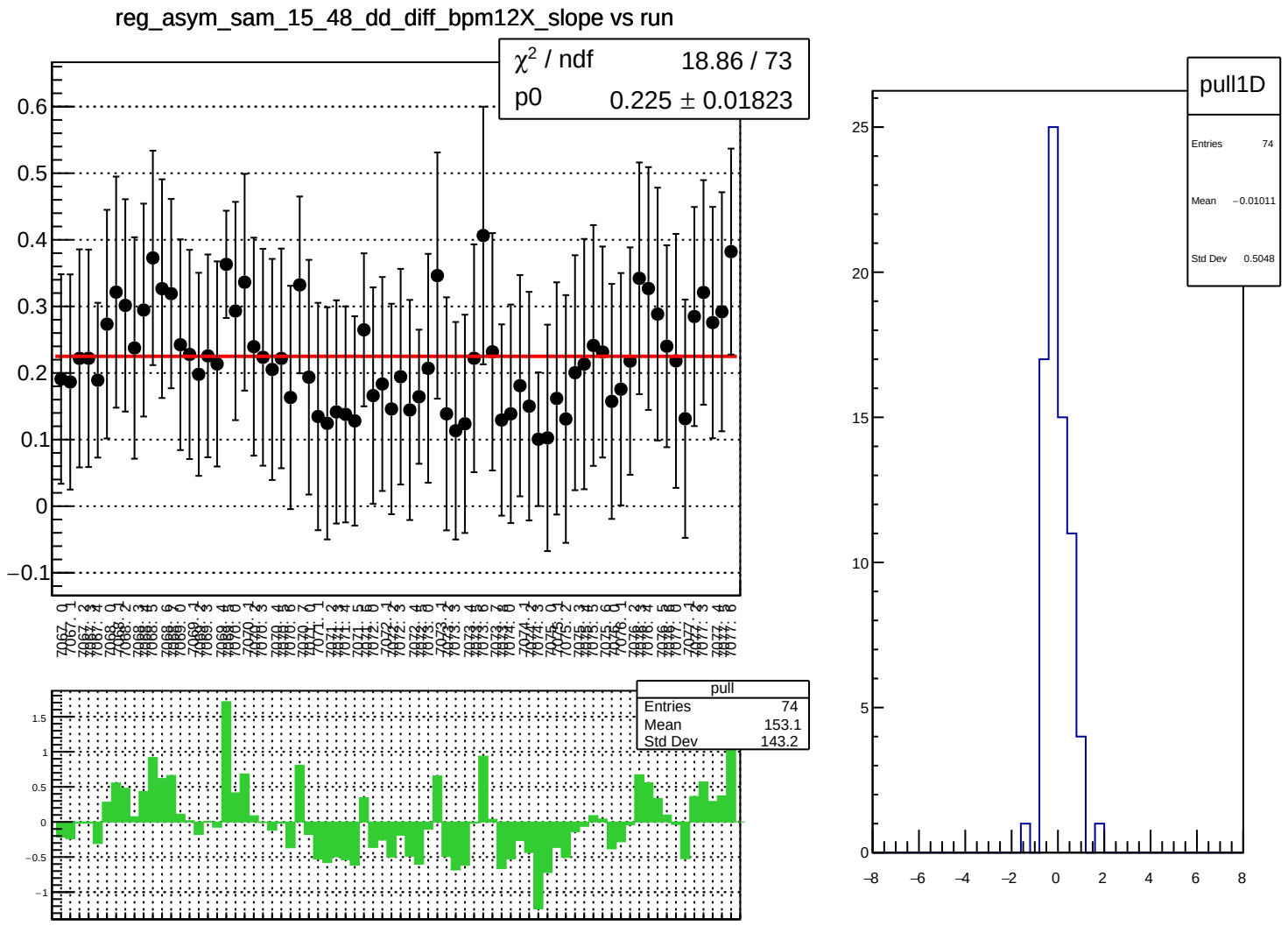

pull1D
Entries 74
Mean −0.6346
Std Dev 2.671

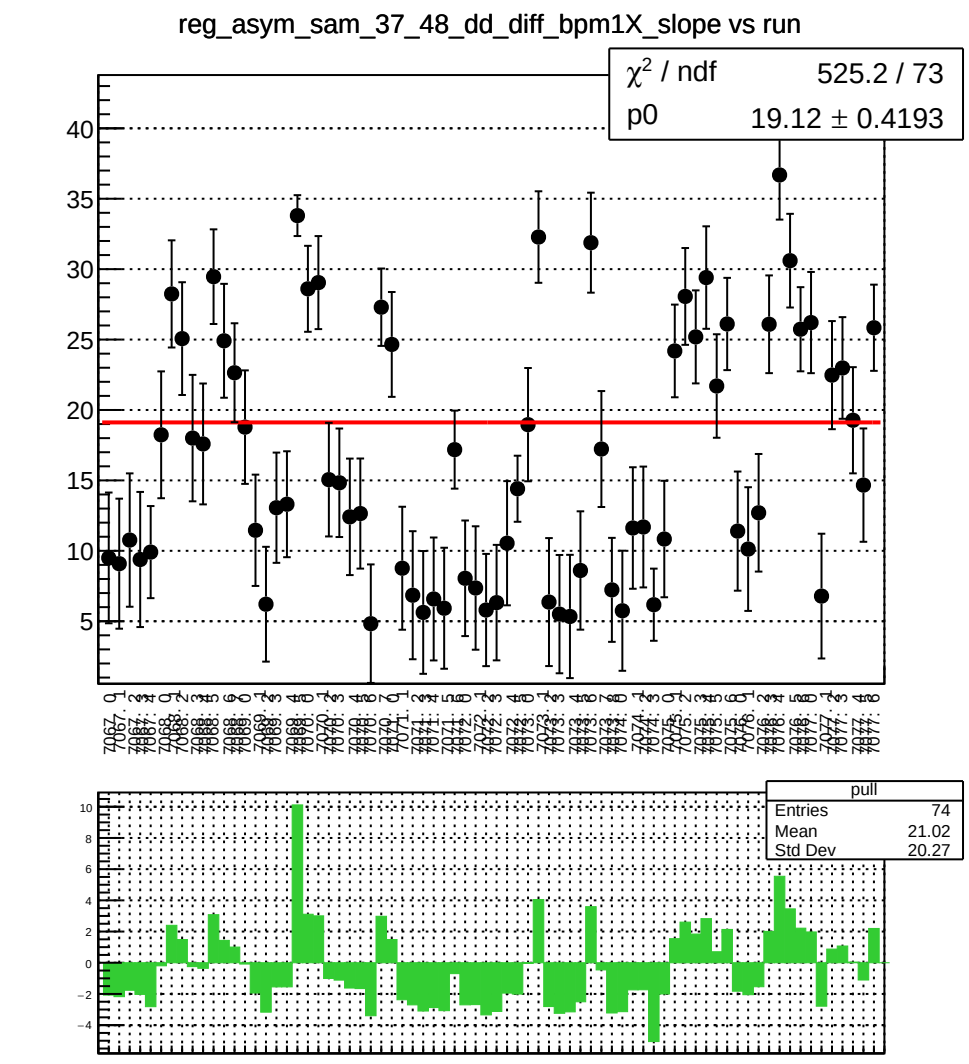

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 271.7 / 73
p0 −1.1 ± 0.3846
pull
Entries 74
Mean −48.79
Std Dev 95.95

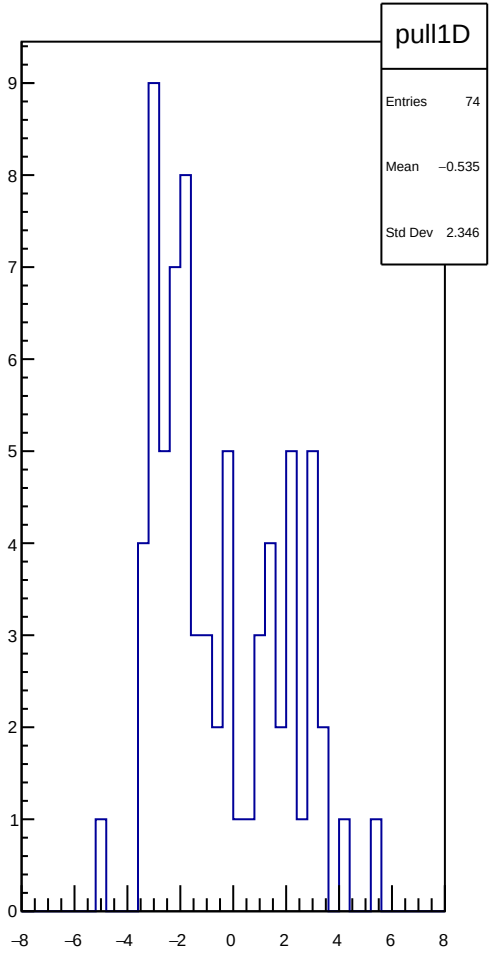

pull1D
Entries 74
Mean 0.07768
Std Dev 1.915

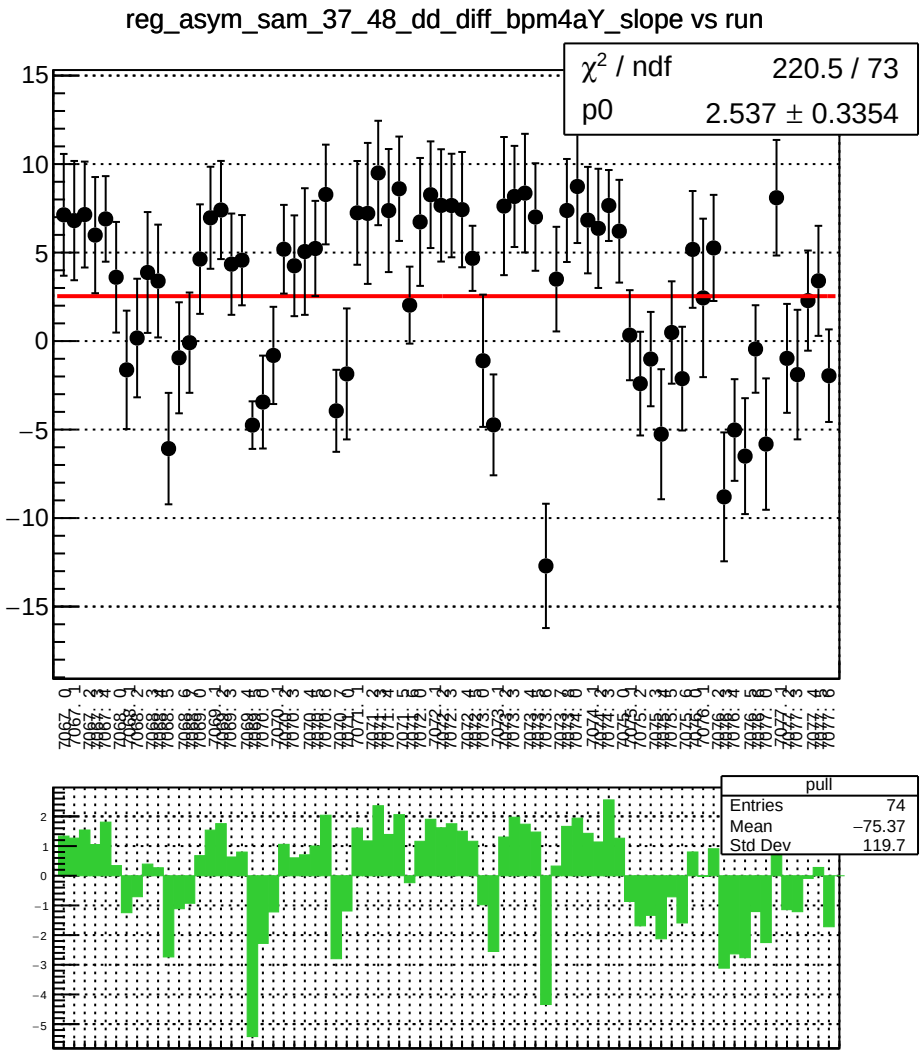

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 551.6 / 73
p0 29.04 ± 0.4644
pull
Entries 74
Mean 24.95
Std Dev 15.88
pull1D
Entries 74
Mean 0.5738
Std Dev 2.357

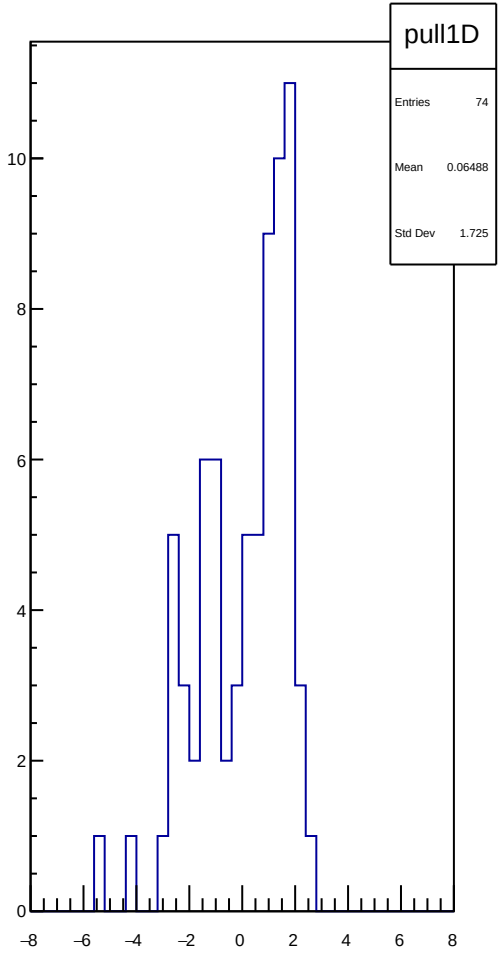

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 252.5 / 73
p0 −30.56 ± 0.4007
pull
Entries 74
Mean −8.887
Std Dev 61.33
pull1D
Entries 74
Mean −0.1015
Std Dev 1.845

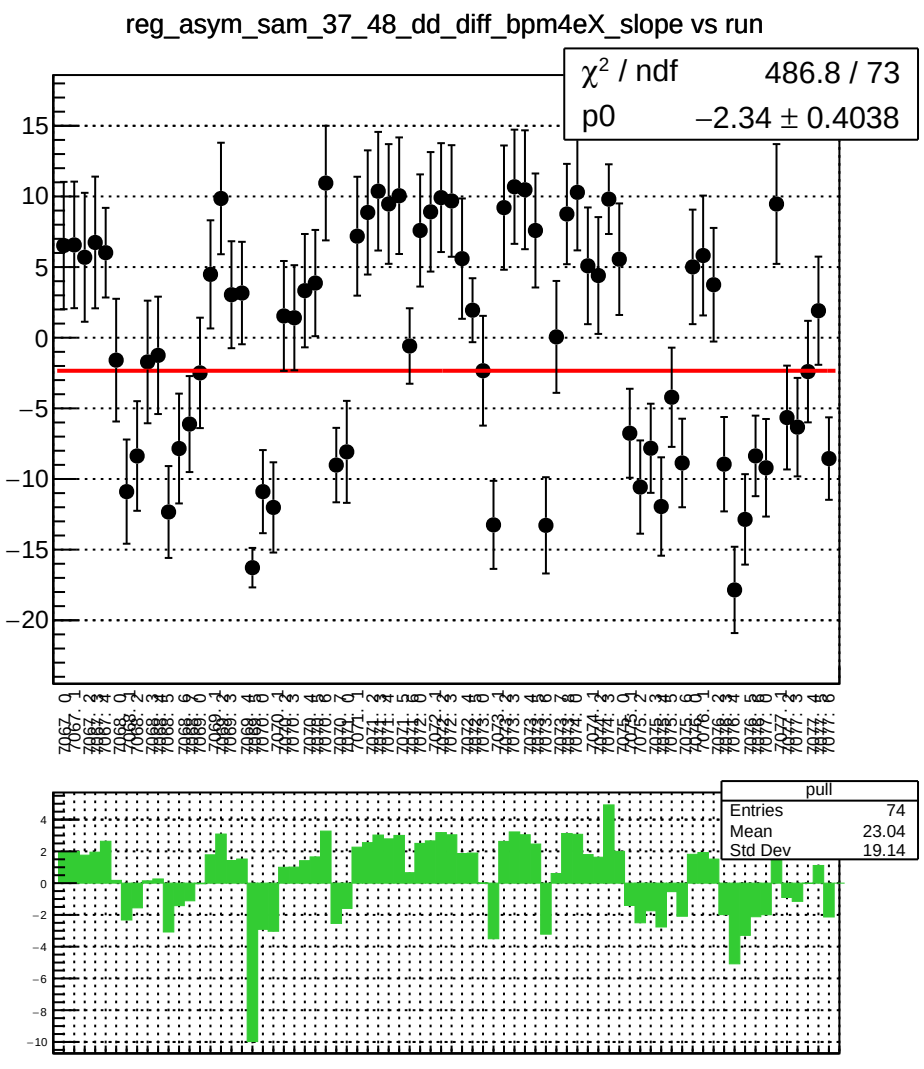

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.86 / 73
p0 0.225 ± 0.01823
pull
Entries 74
Mean 153.1
Std Dev 143.2
pull1D
Entries 74
Mean −0.01011
Std Dev 0.5048

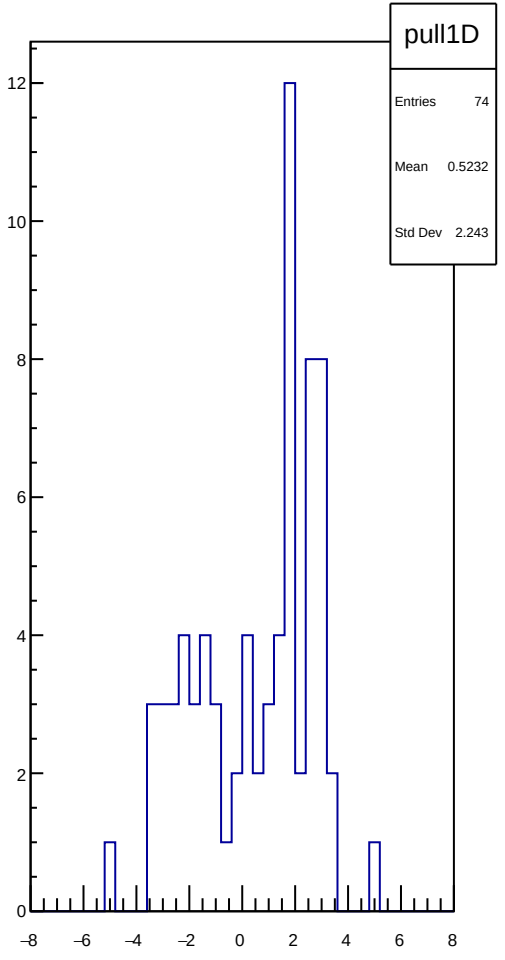

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 525.2 / 73
p0 19.12 ± 0.4193
pull
Entries 74
Mean 21.02
Std Dev 20.27

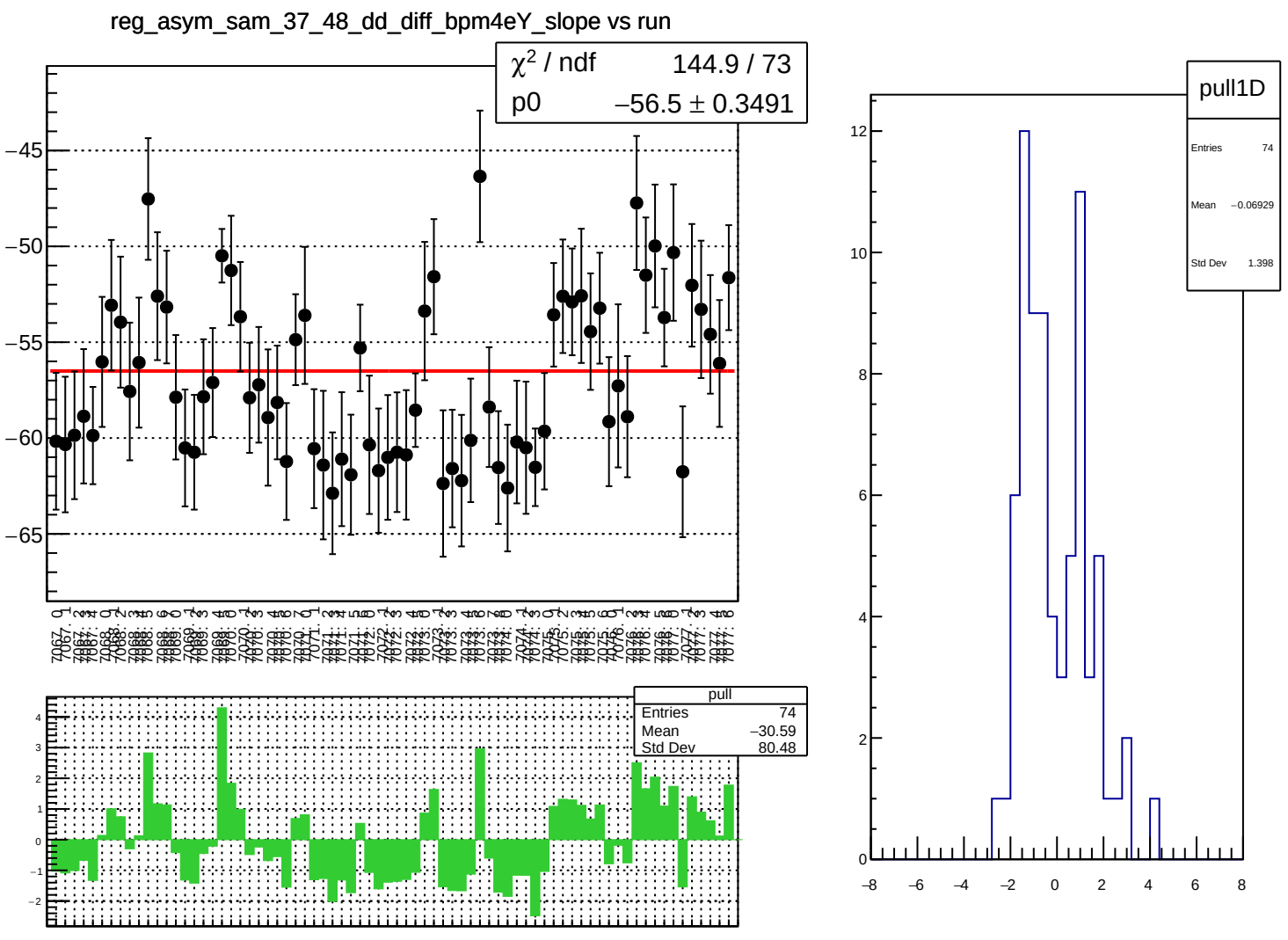

pull1D
Entries 74
Mean −0.535
Std Dev 2.346

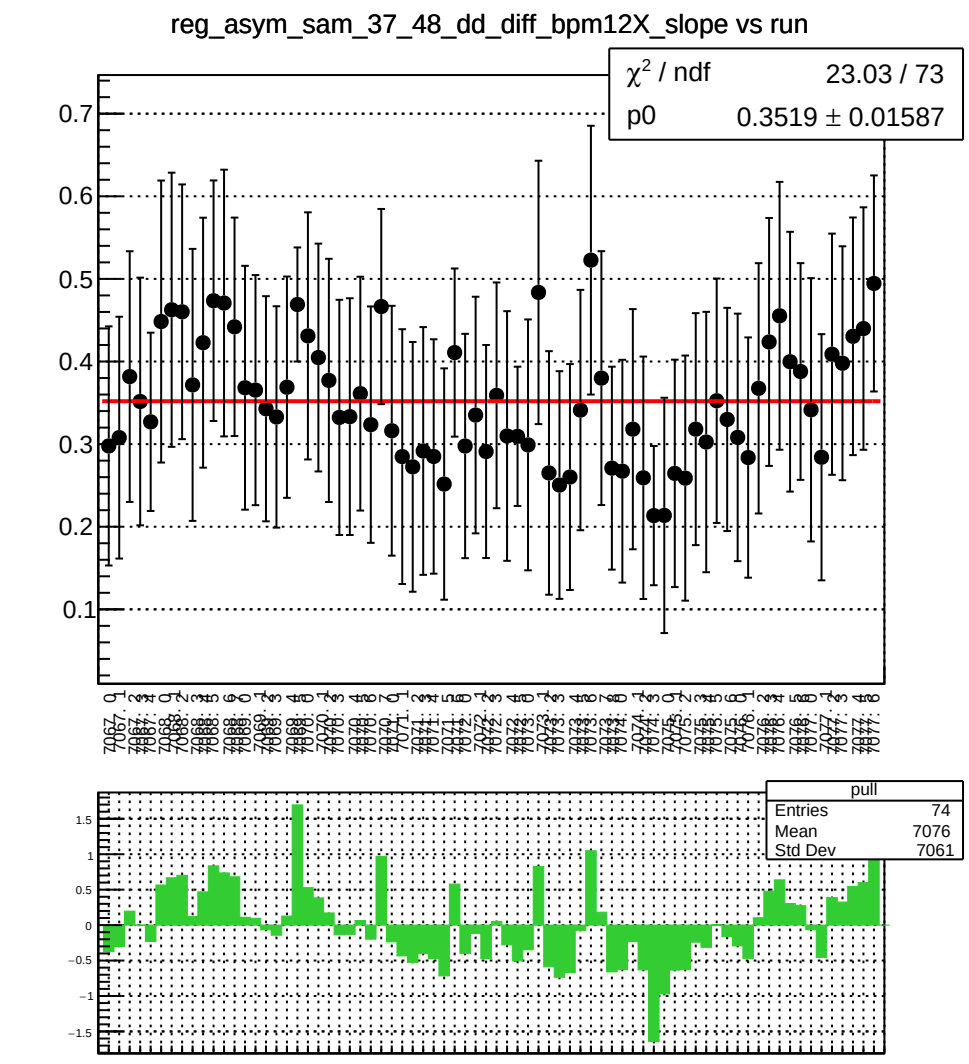

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 220.5 / 73
p0 2.537 ± 0.3354
pull
Entries 74
Mean −75.37
Std Dev 119.7

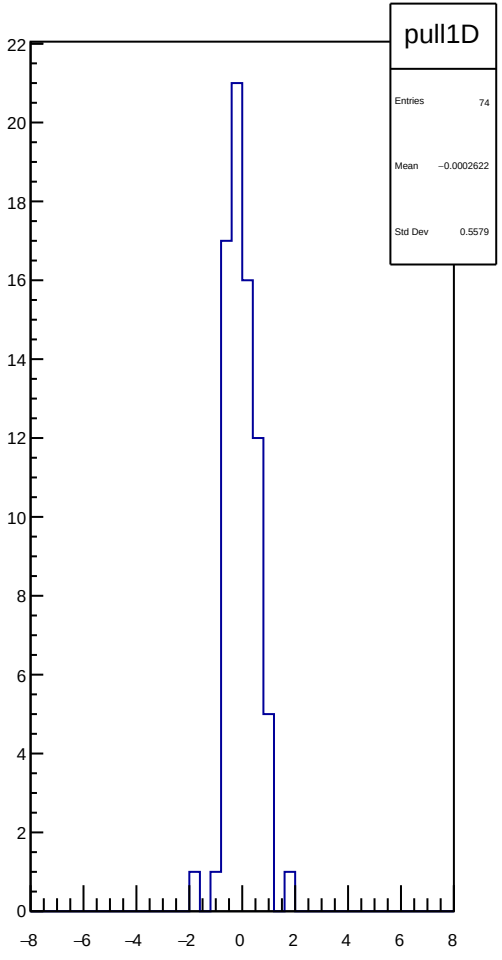

pull1D
Entries 74
Mean 0.06488
Std Dev 1.725

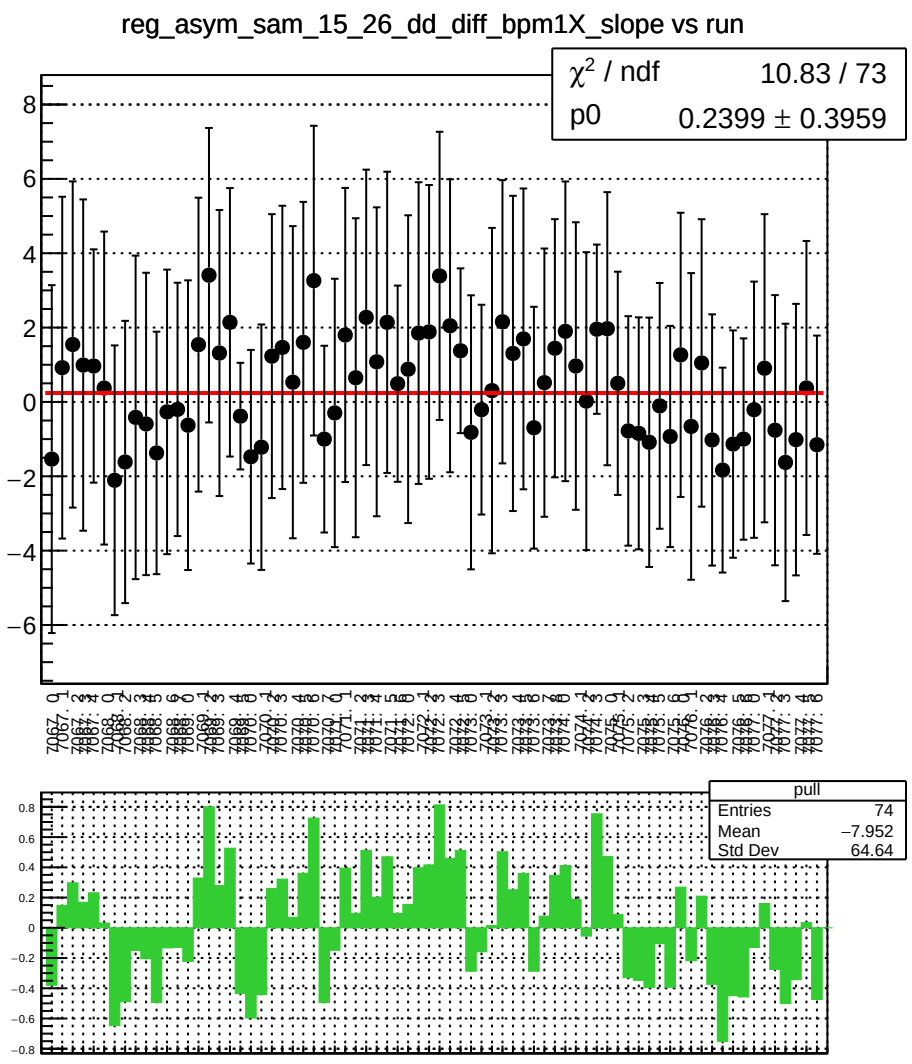

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 486.8 / 73
p0 −2.34 ± 0.4038
pull
Entries 74
Mean 23.04
Std Dev 19.14

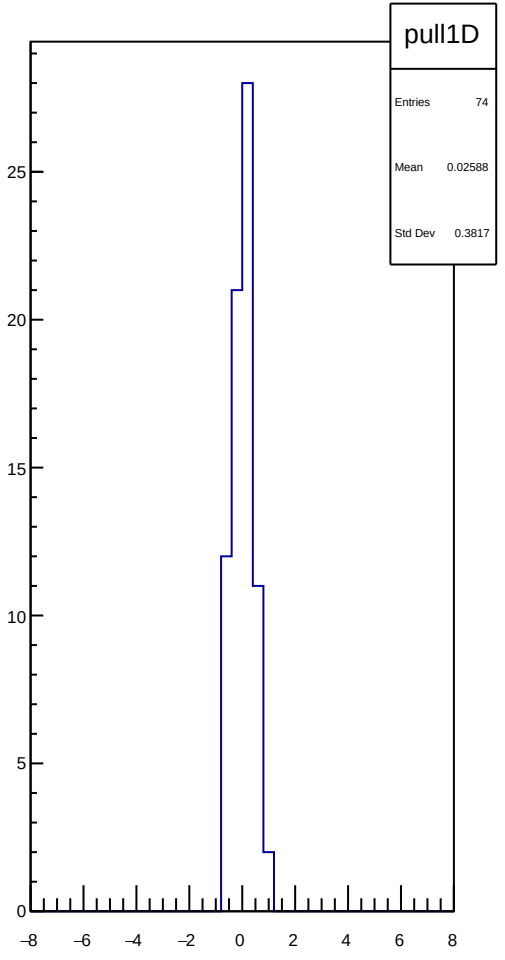

pull1D
Entries 74
Mean 0.5232
Std Dev 2.243

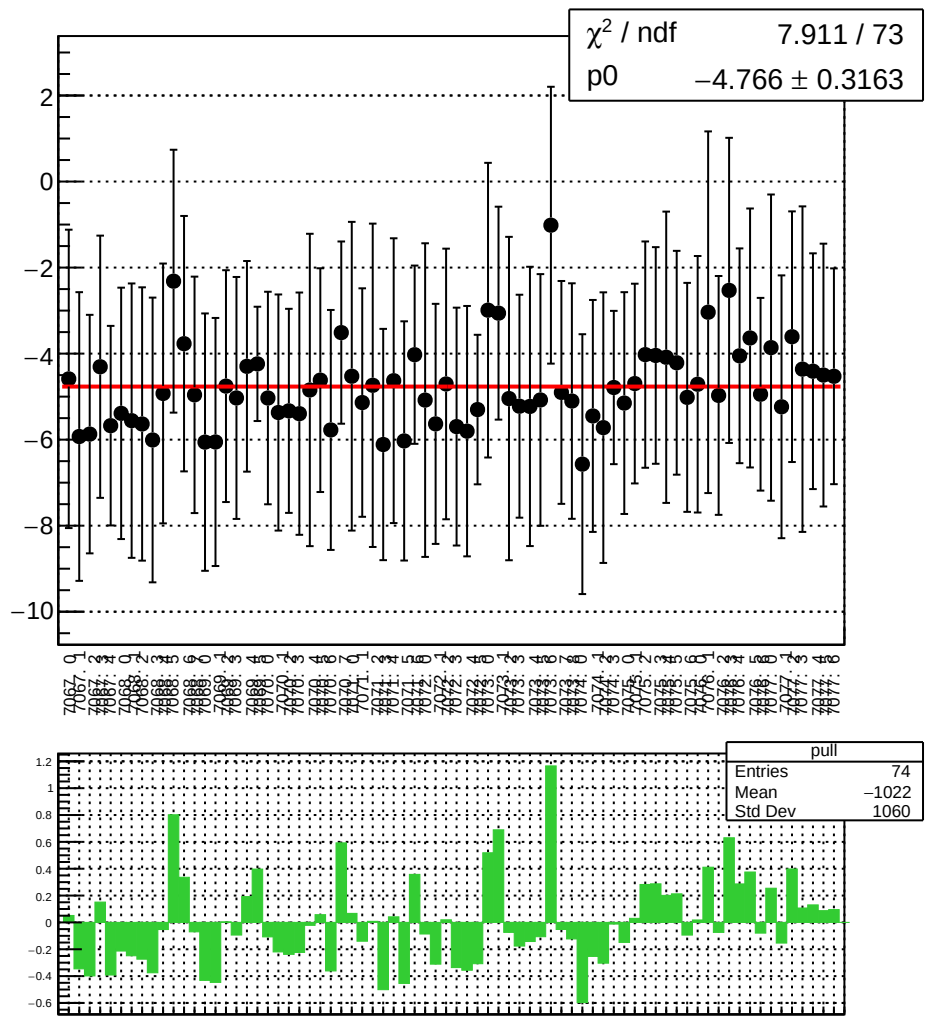

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 144.9 / 73
p0 −56.5 ± 0.3491
pull
Entries 74
Mean −30.59
Std Dev 80.48
pull1D
Entries 74
Mean −0.06929
Std Dev 1.398

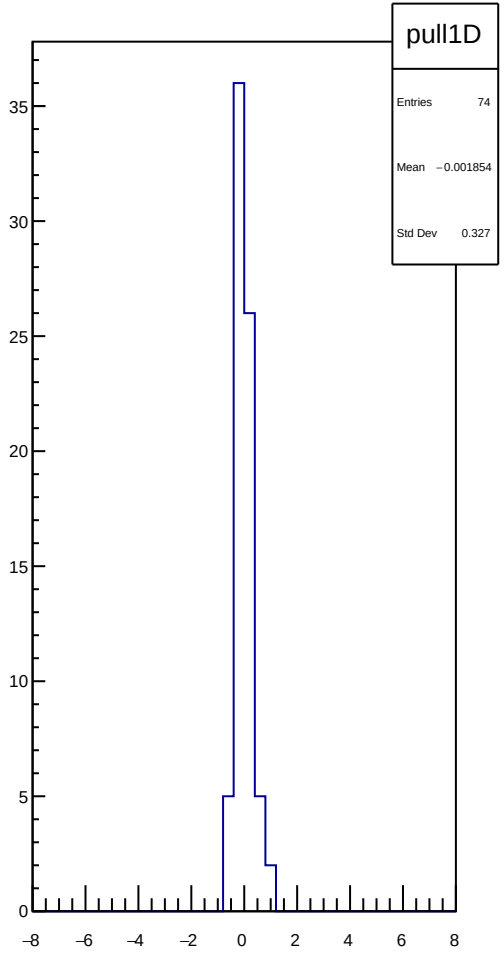

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 23.03 / 73
p0 0.3519 ± 0.01587
pull
Entries 74
Mean 7076
Std Dev 7061

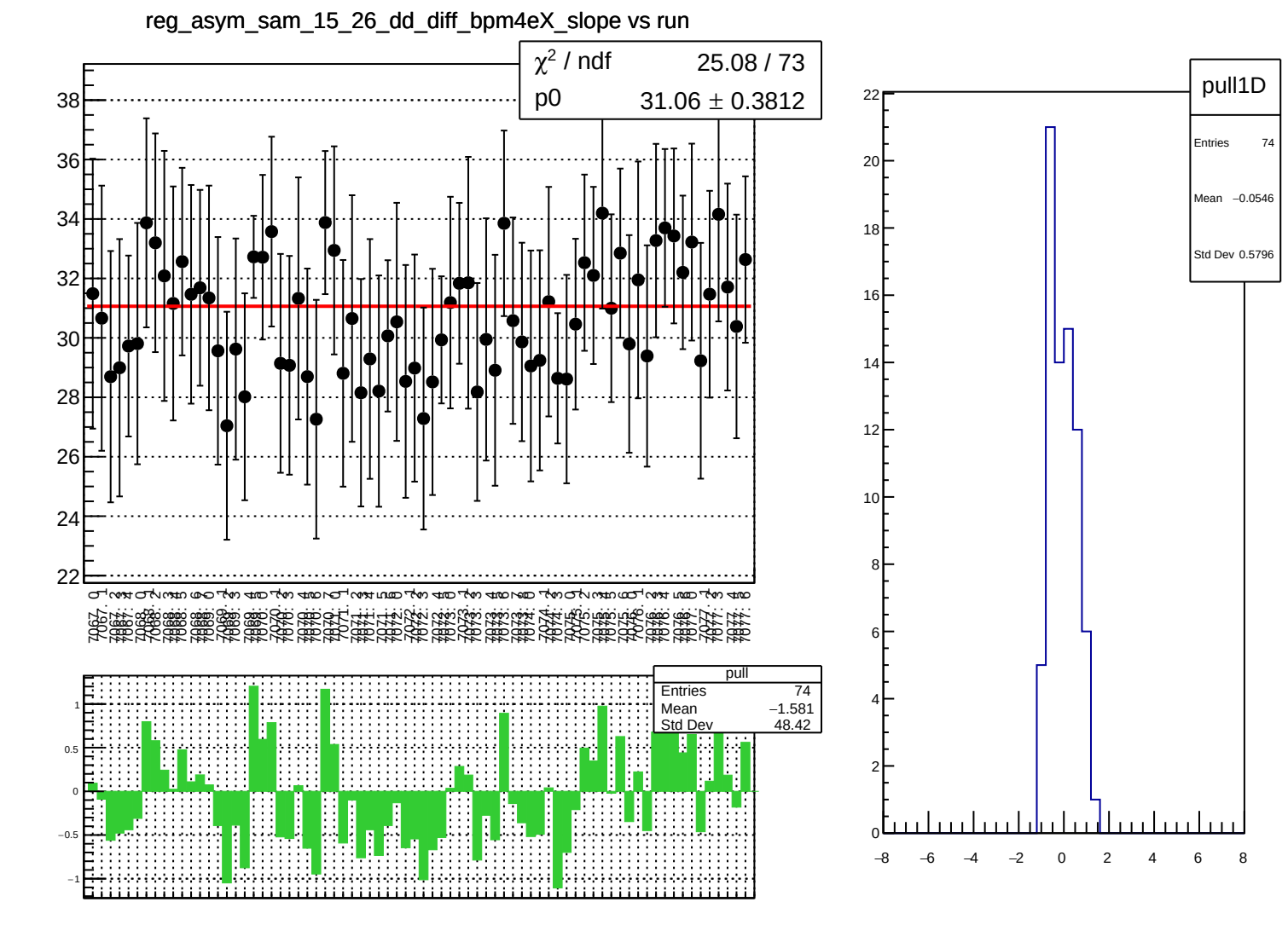

pull1D
Entries 74
Mean −0.0002622
Std Dev 0.5579

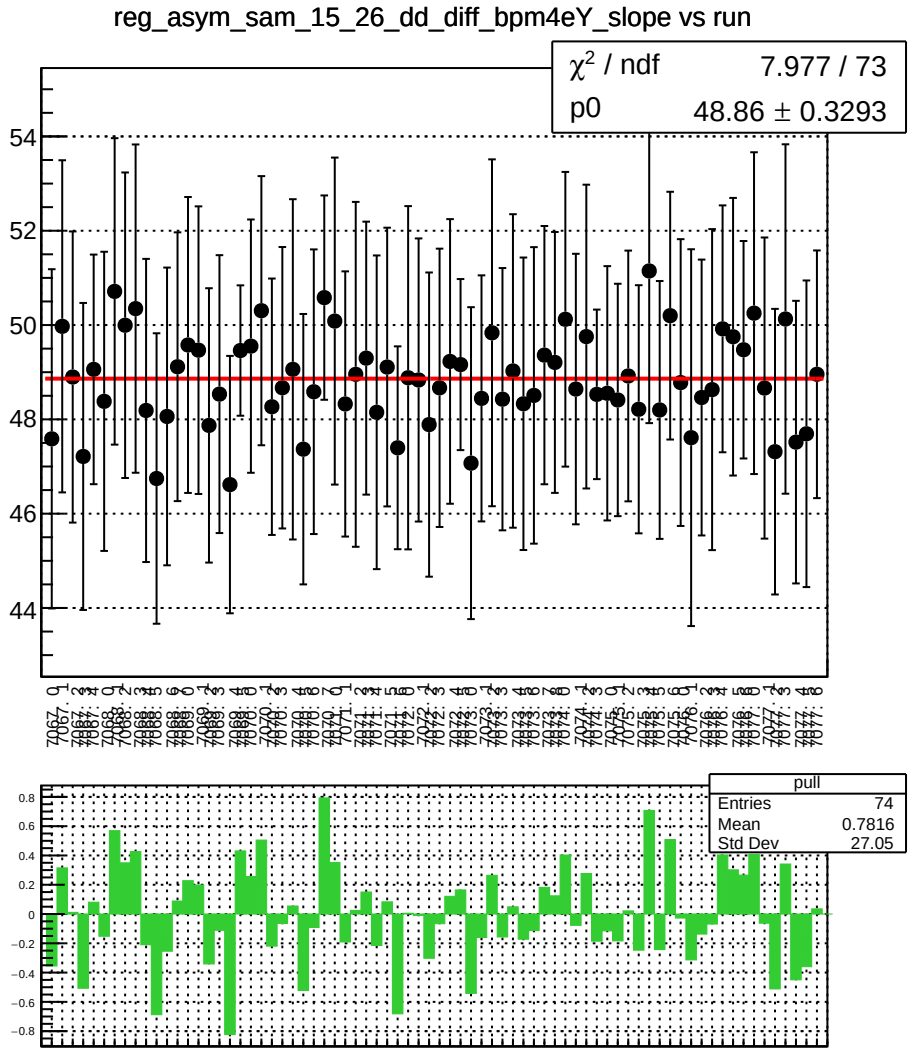

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 10.83 / 73
p0 0.2399 ± 0.3959
pull
Entries 74
Mean −7.952
Std Dev 64.64

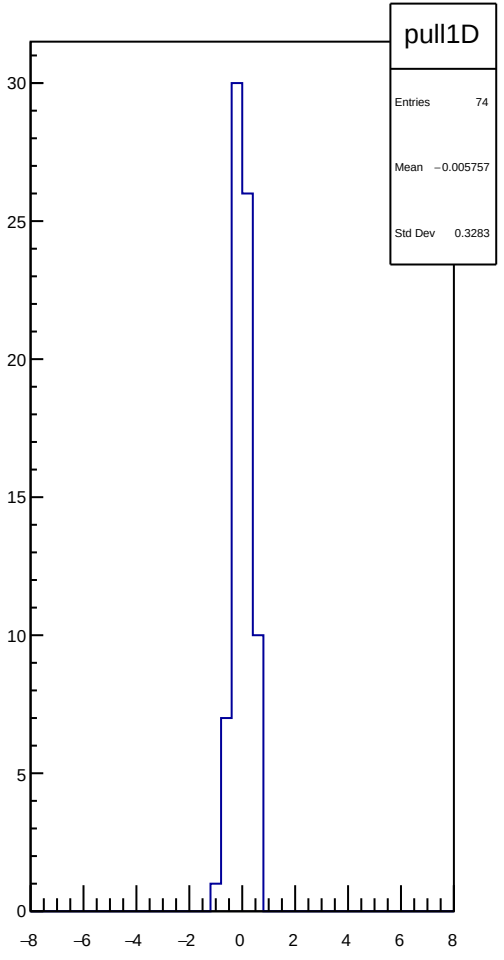

pull1D
Entries 74
Mean 0.02588
Std Dev 0.3817

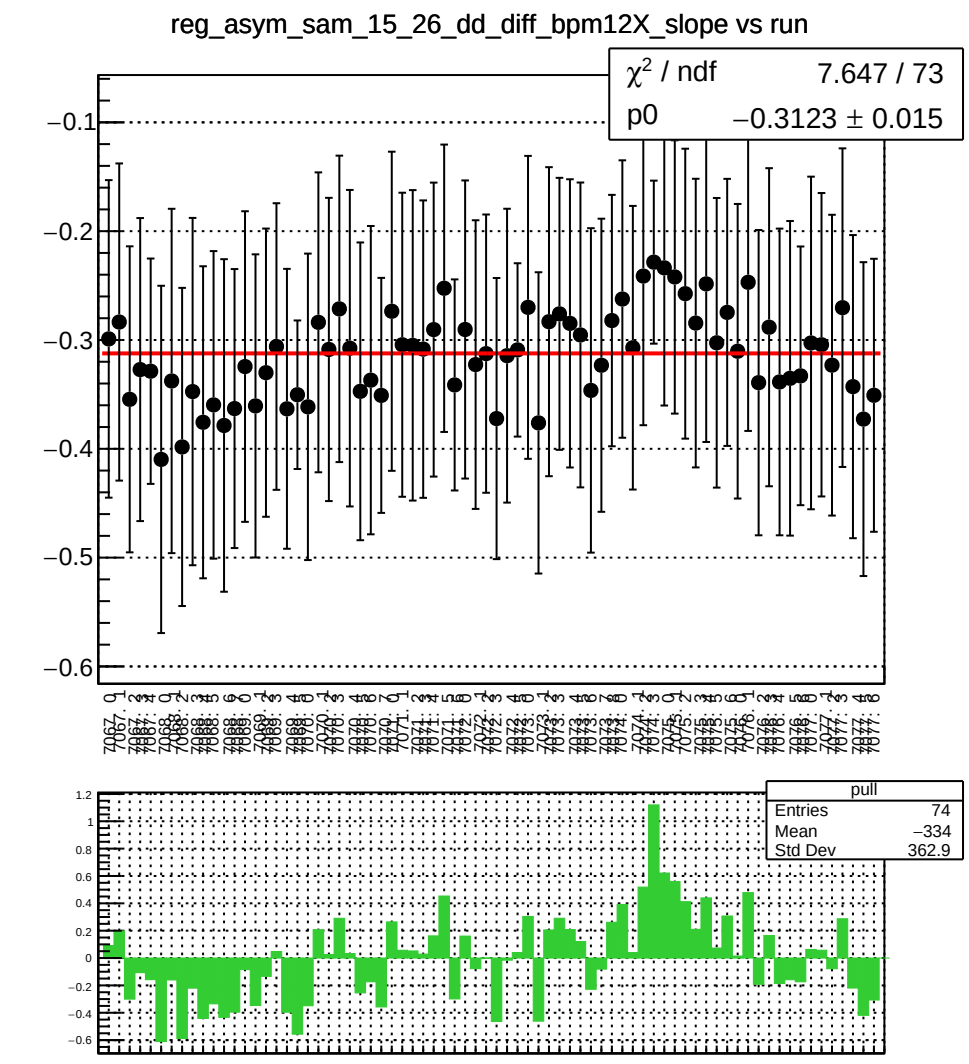

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.911 / 73
p0 −4.766 ± 0.3163
pull
Entries 74
Mean −1022
Std Dev 1060

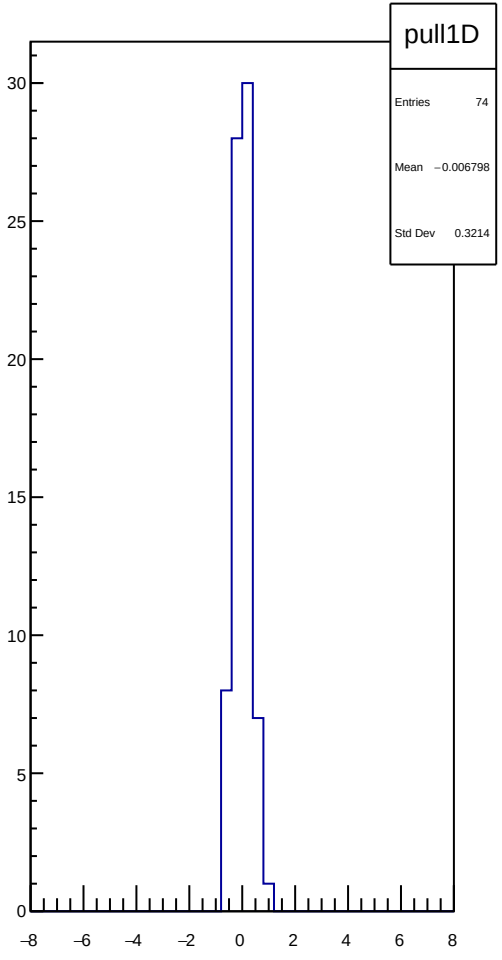

pull1D
Entries 74
Mean −0.001854
Std Dev 0.327

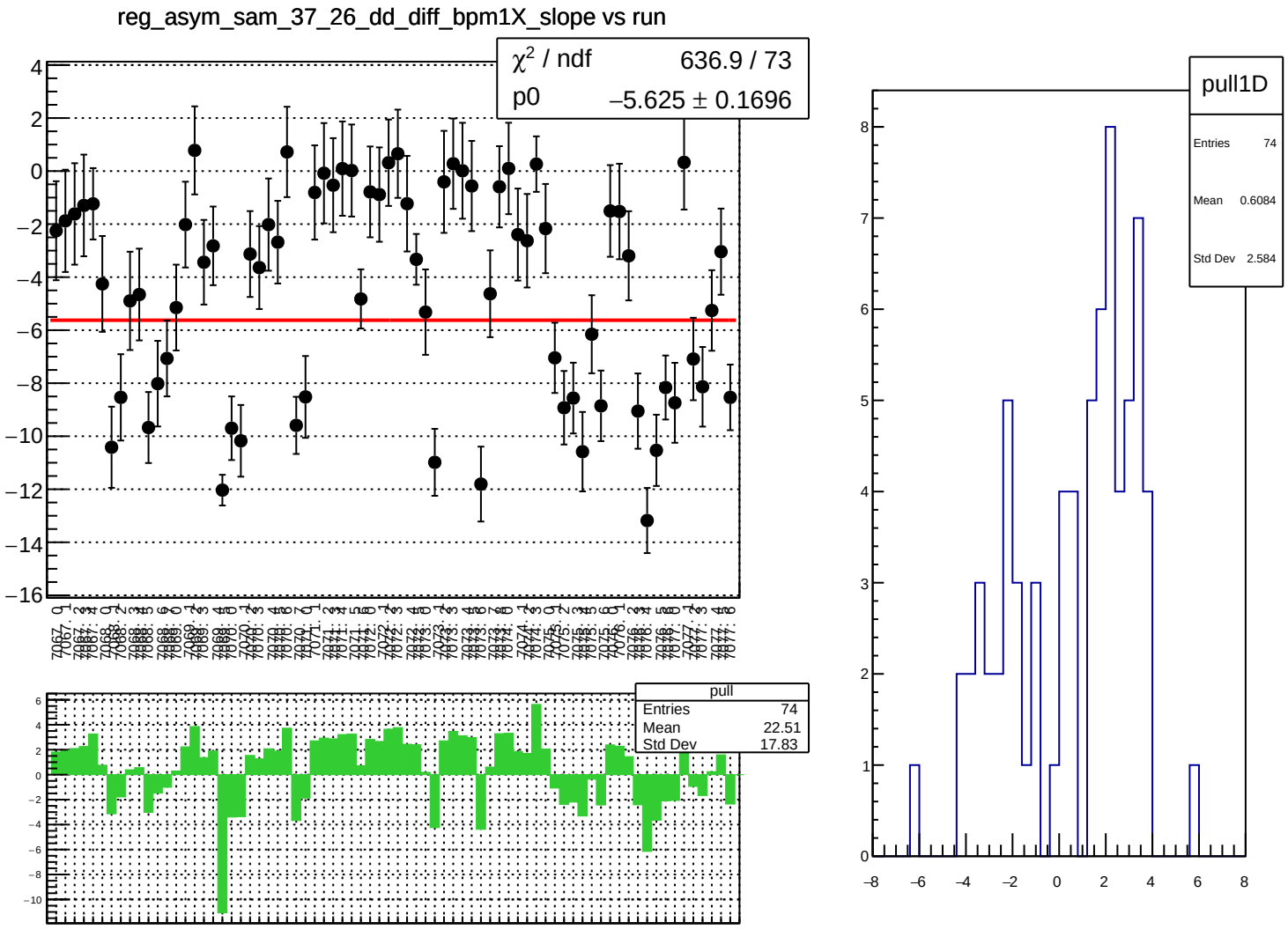

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.08 / 73
p0 31.06 ± 0.3812
pull
Entries 74
Mean −1.581
Std Dev 48.42
pull1D
Entries 74
Mean −0.0546
Std Dev 0.5796

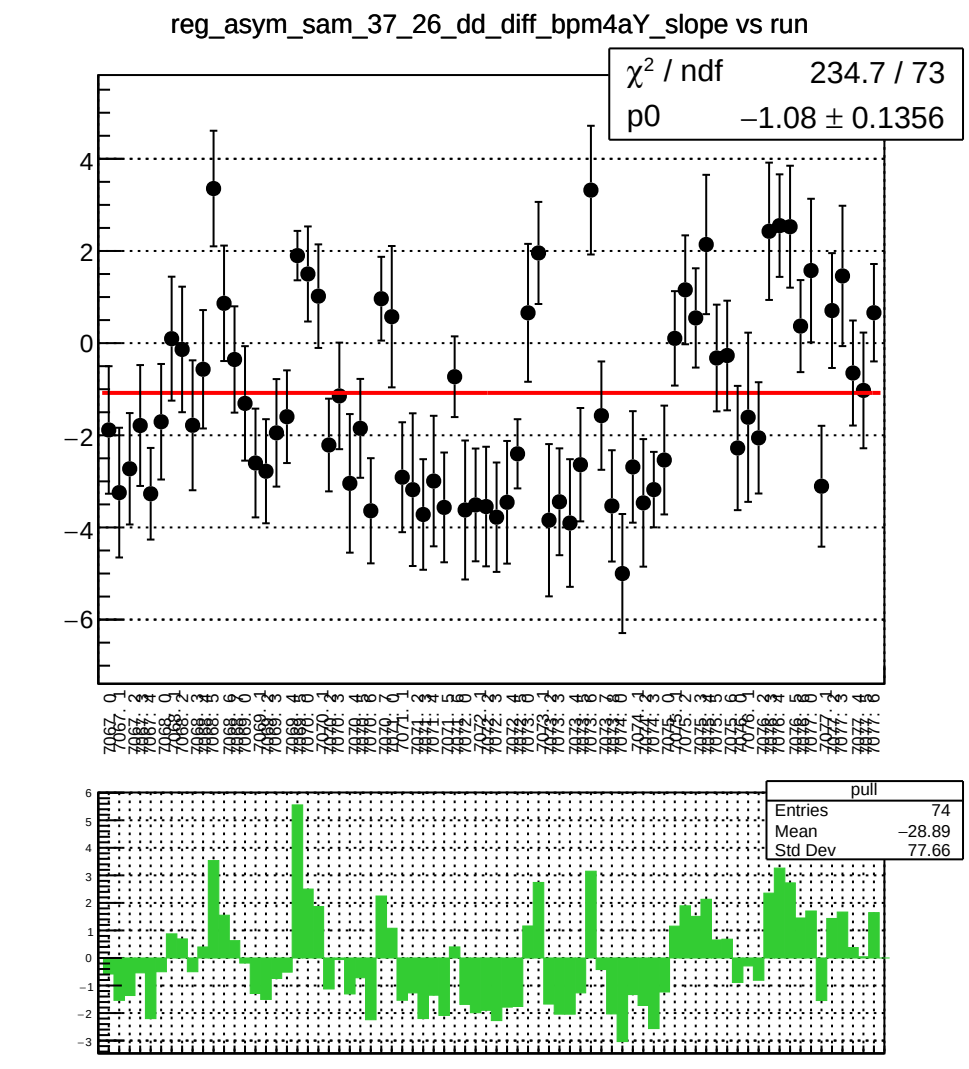

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.977 / 73
p0 48.86 ± 0.3293
pull
Entries 74
Mean 0.7816
Std Dev 27.05

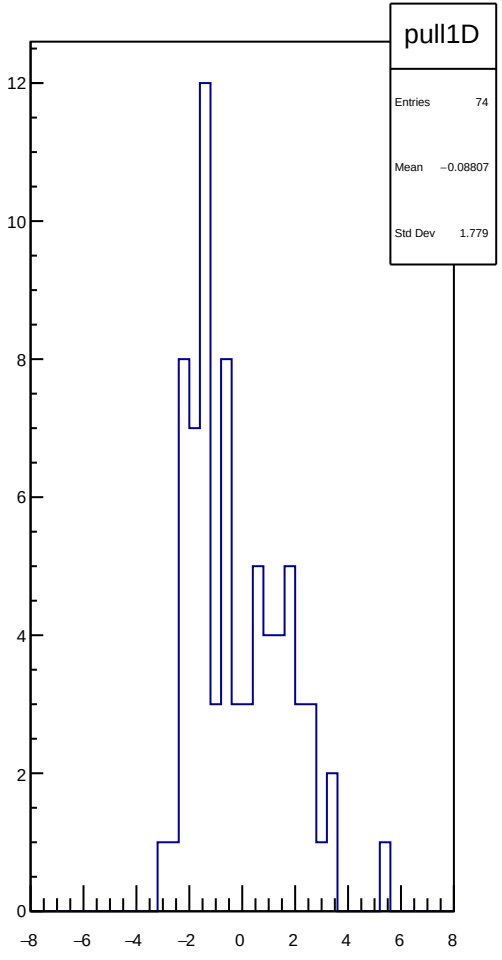

pull1D
Entries 74
Mean −0.005757
Std Dev 0.3283

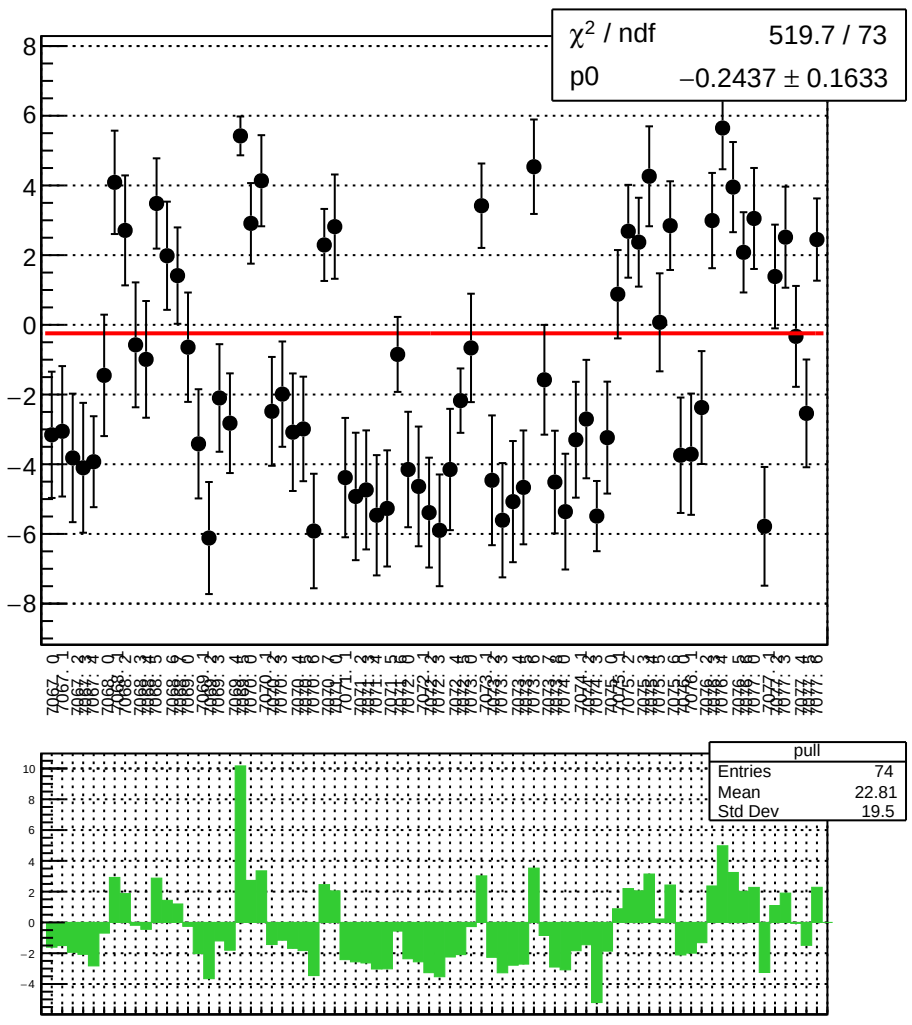

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 7.647 / 73
p0 −0.3123 ± 0.015
pull
Entries 74
Mean −334
Std Dev 362.9

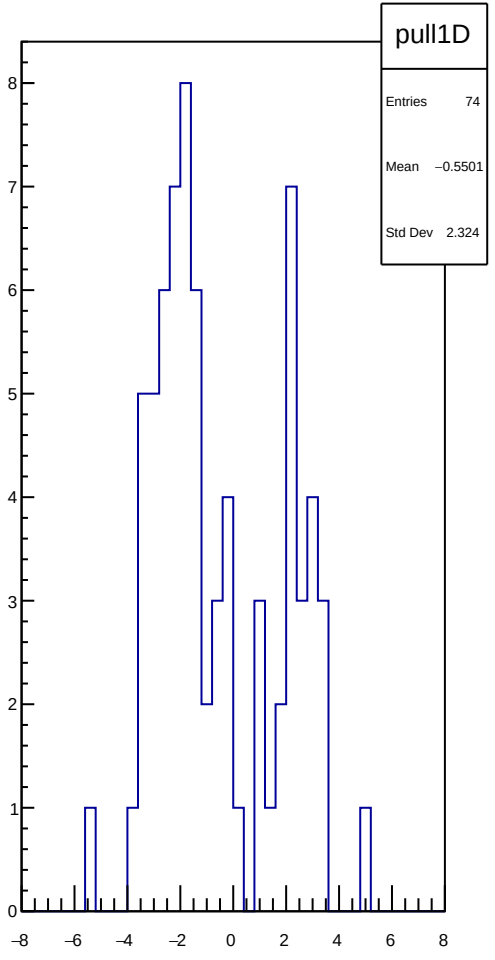

pull1D
Entries 74
Mean −0.006798
Std Dev 0.3214

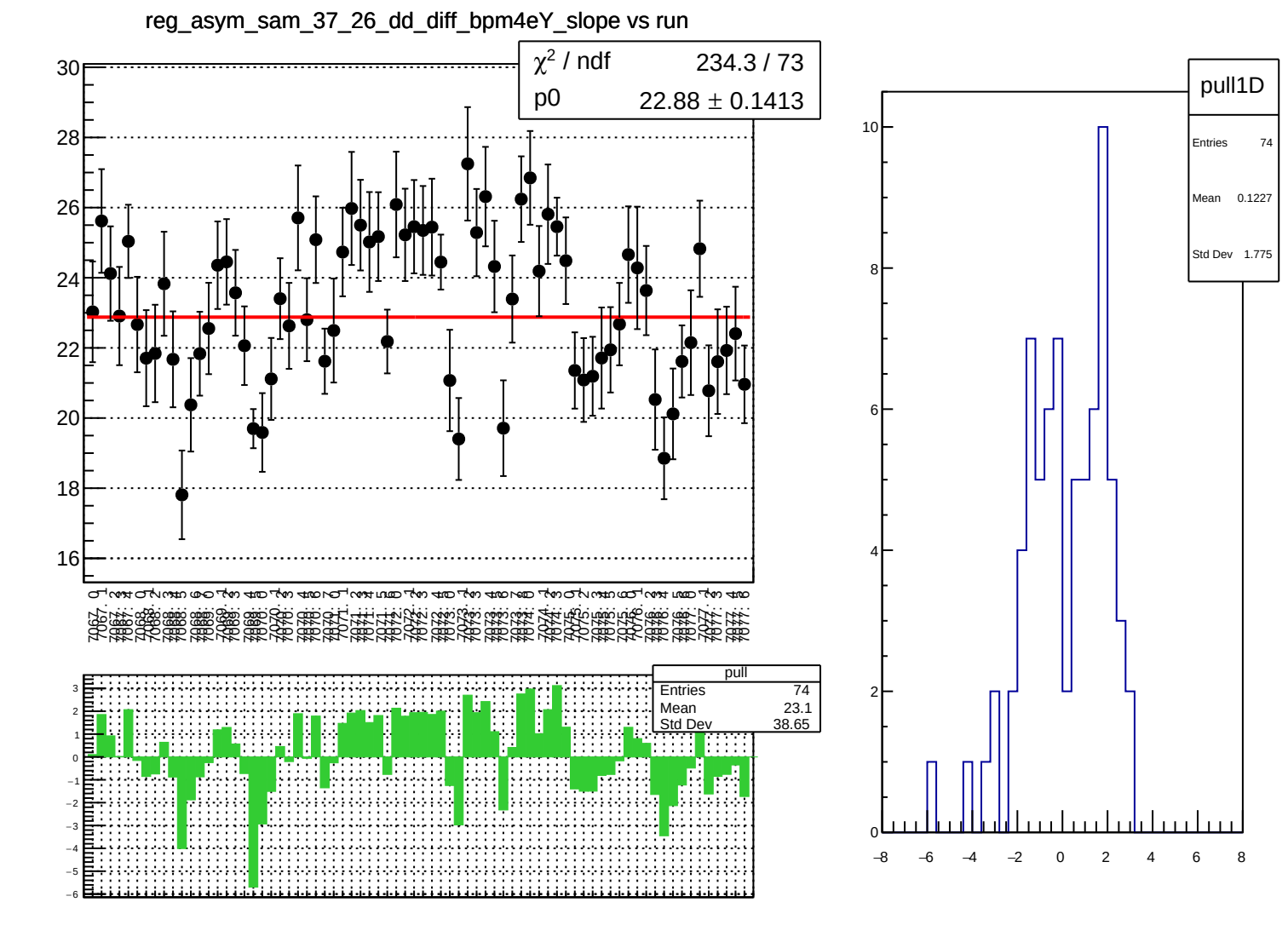

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 636.9 / 73
p0 −5.625 ± 0.1696
pull
Entries 74
Mean 22.51
Std Dev 17.83
pull1D
Entries 74
Mean 0.6084
Std Dev 2.584

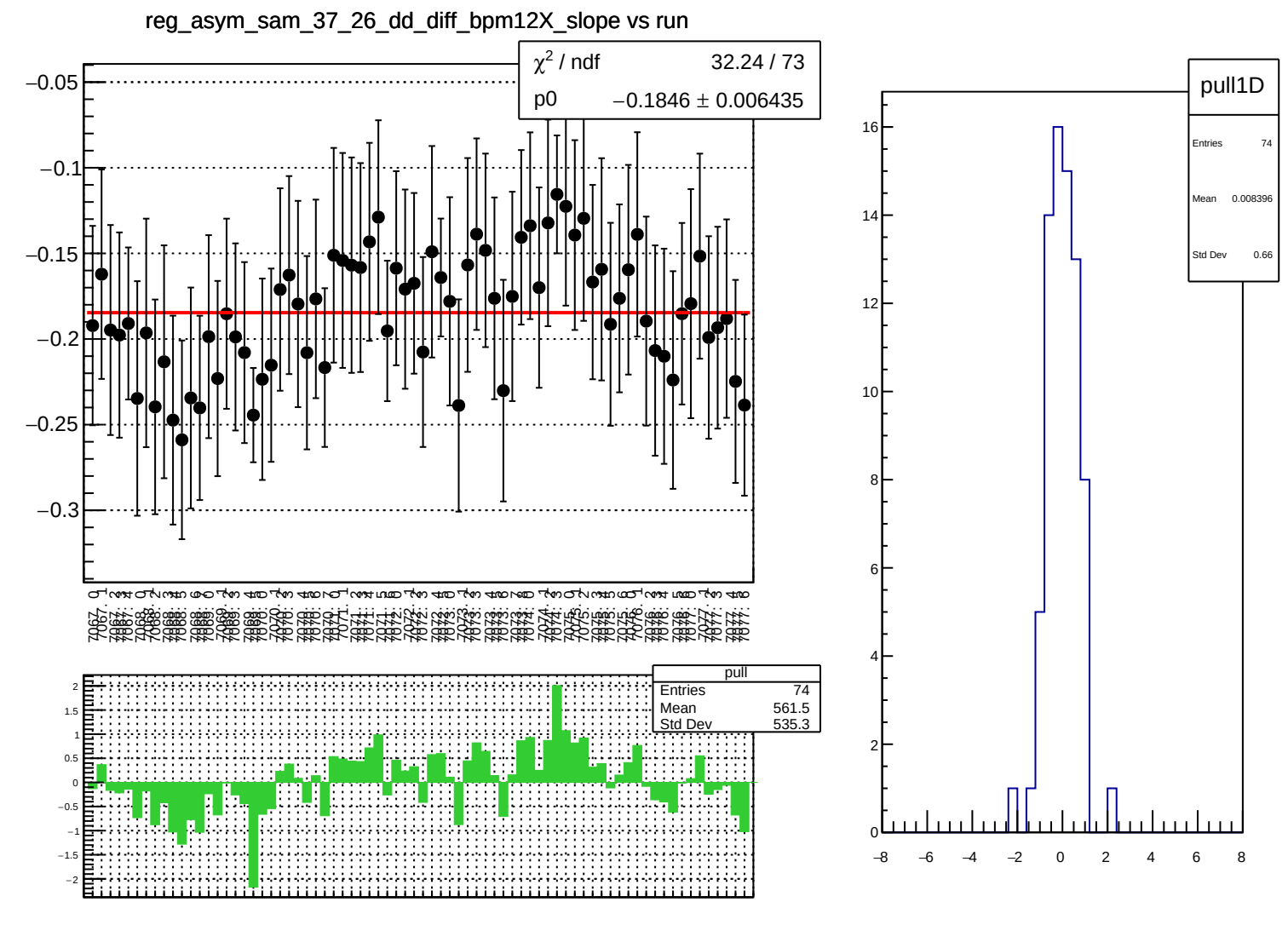

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 234.7 / 73
p0 −1.08 ± 0.1356
pull
Entries 74
Mean −28.89
Std Dev 77.66

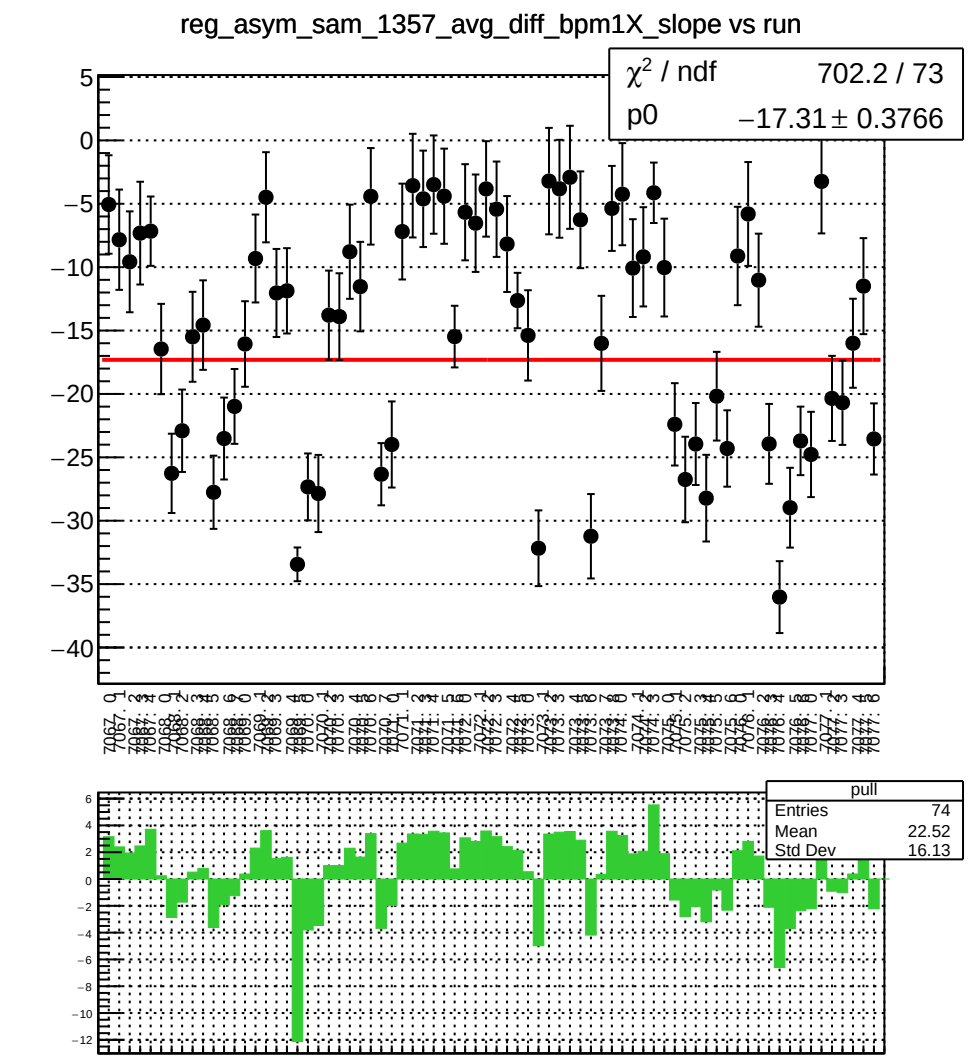

pull1D
Entries 74
Mean −0.08807
Std Dev 1.779

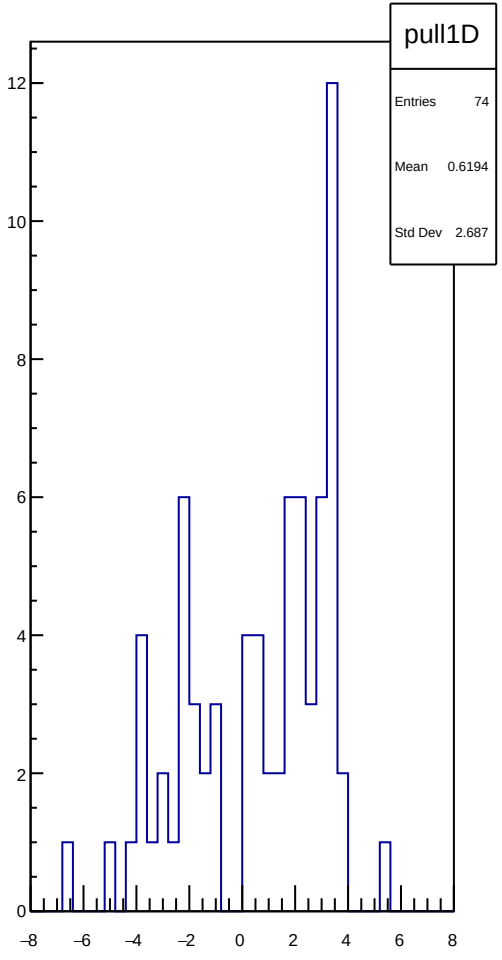

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 519.7 / 73
p0 −0.2437 ± 0.1633
pull
Entries 74
Mean 22.81
Std Dev 19.5

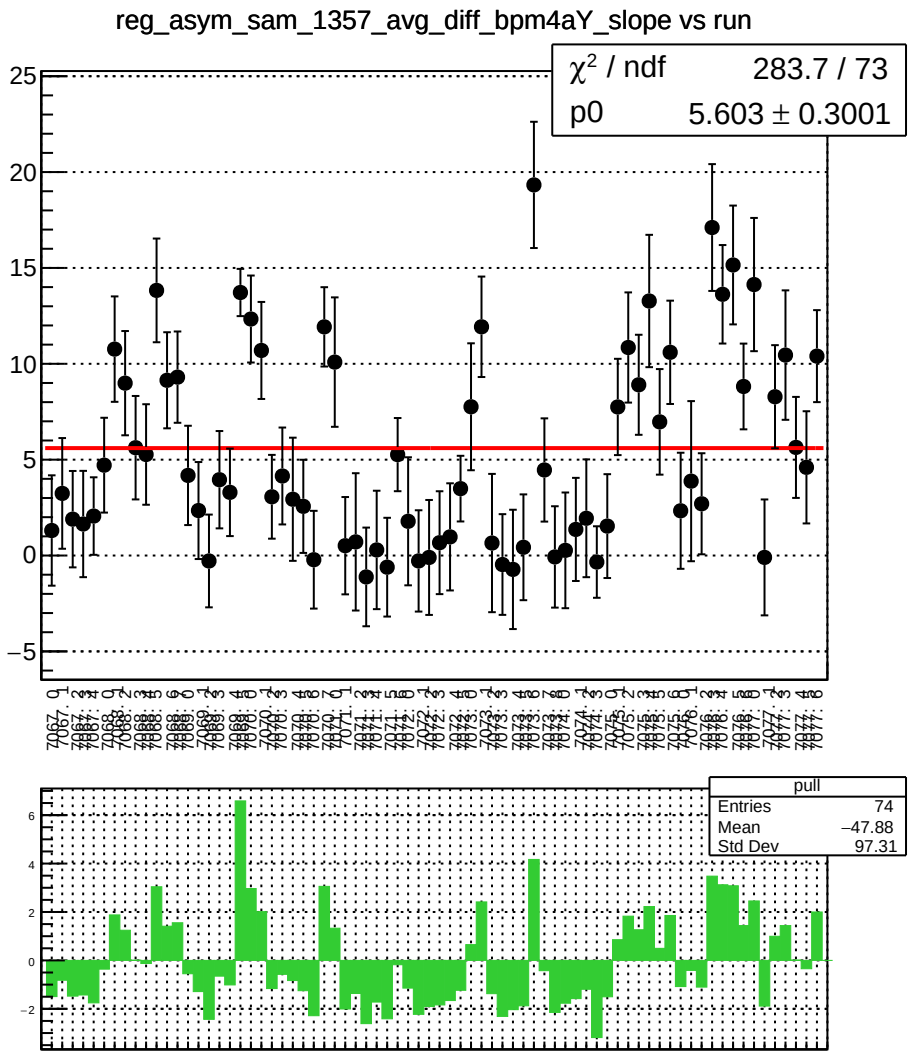

pull1D
Entries 74
Mean −0.5501
Std Dev 2.324

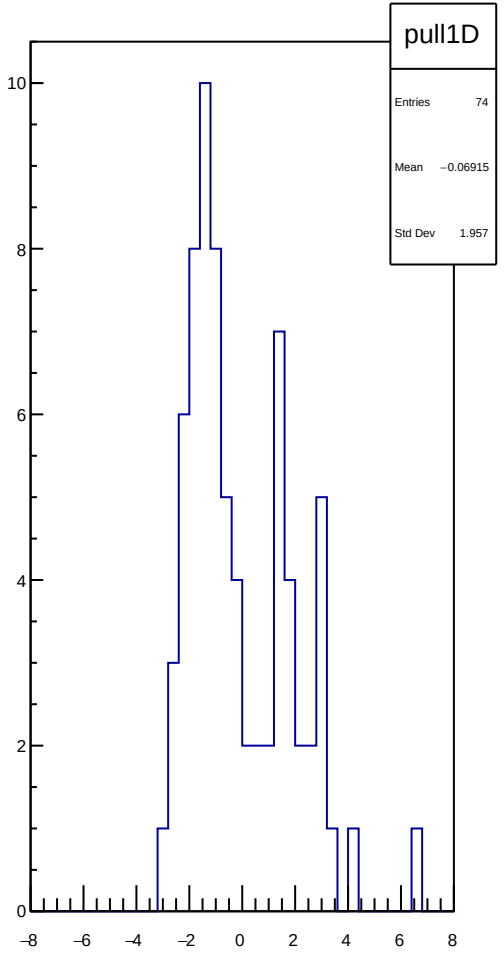

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 234.3 / 73
p0 22.88 ± 0.1413
pull
Entries 74
Mean 23.1
Std Dev 38.65
pull1D
Entries 74
Mean 0.1227
Std Dev 1.775

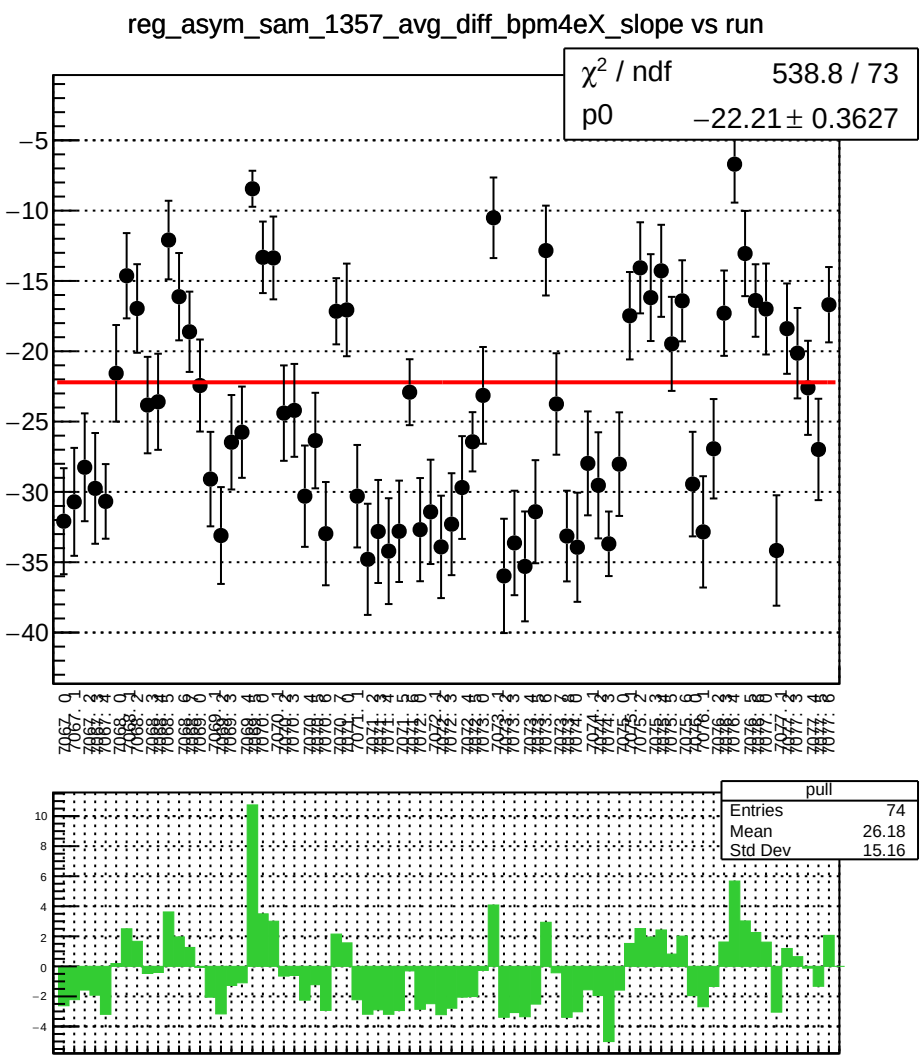

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 32.24 / 73
p0 −0.1846 ± 0.006435
pull
Entries 74
Mean 561.5
Std Dev 535.3
pull1D
Entries 74
Mean 0.008396
Std Dev 0.66

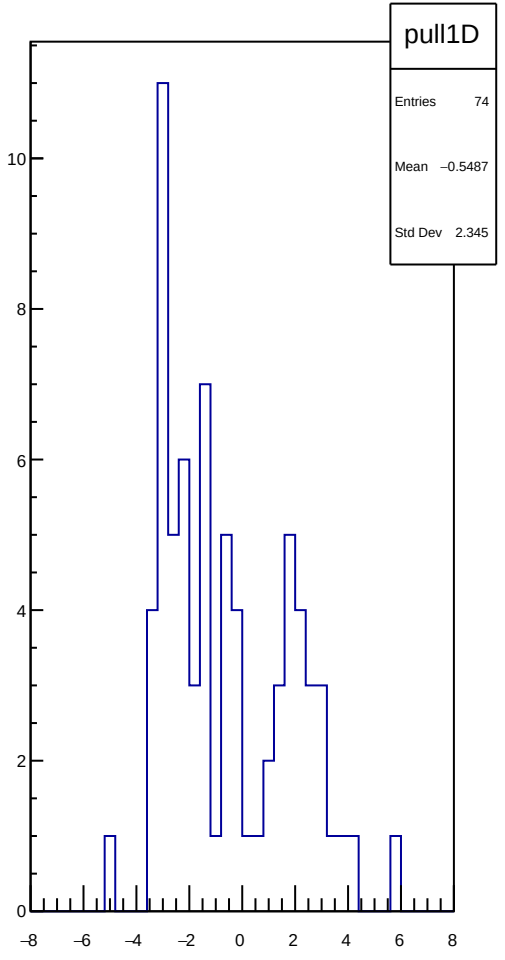

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 702.2 / 73
p0 −17.31 ± 0.3766
pull
Entries 74
Mean 22.52
Std Dev 16.13

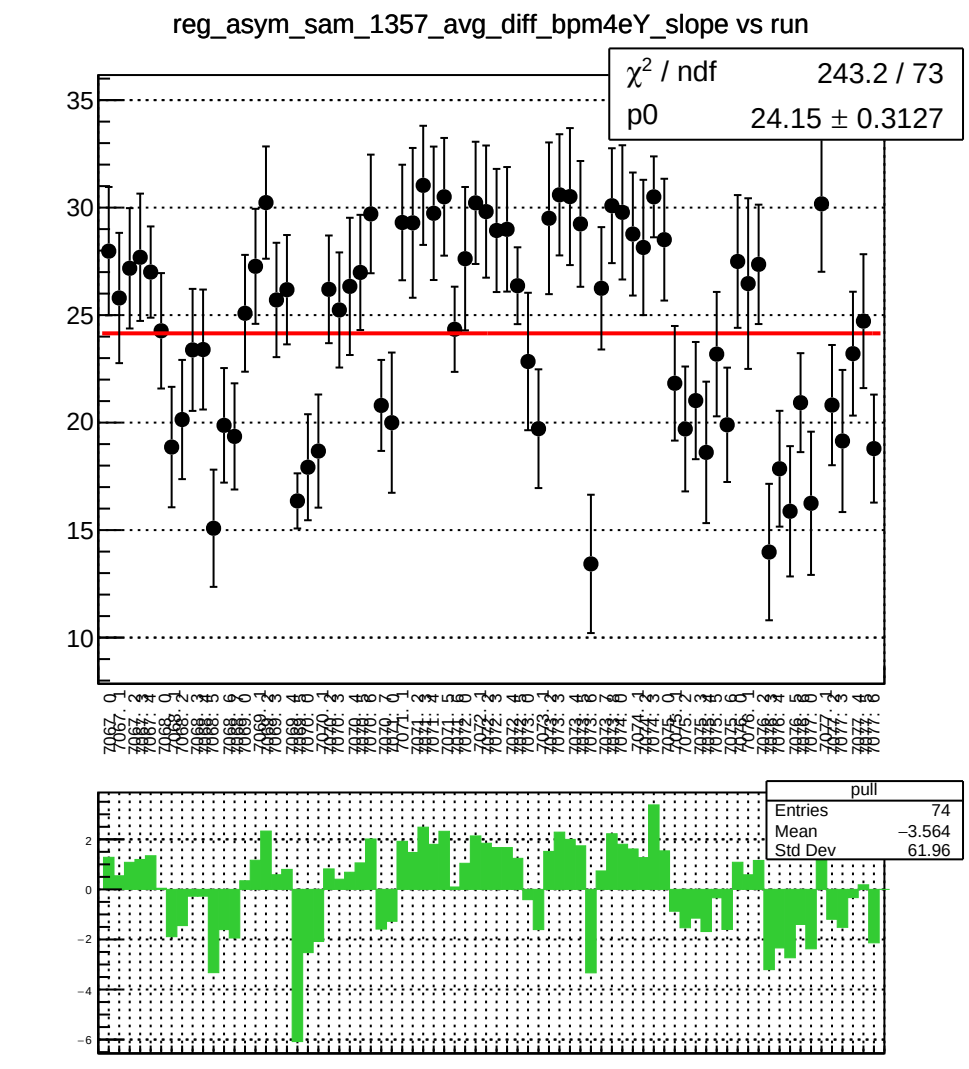

pull1D
Entries 74
Mean 0.6194
Std Dev 2.687

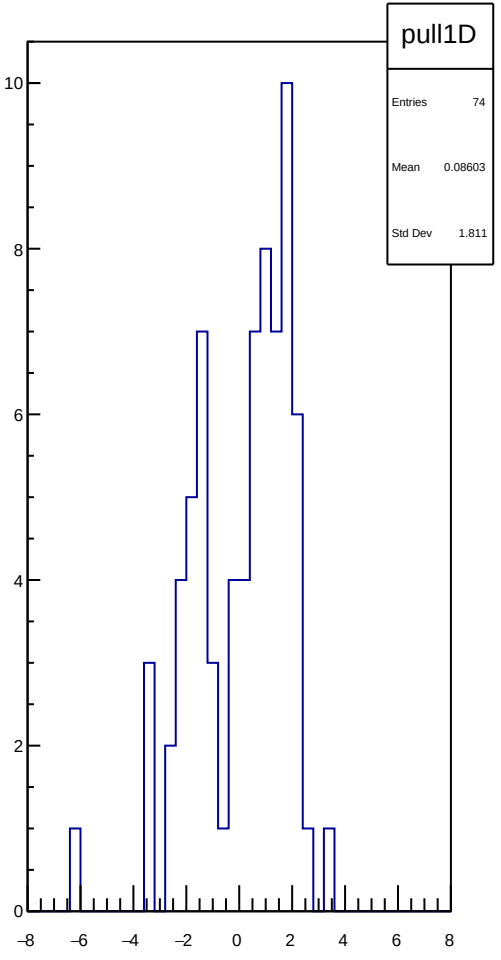

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 283.7 / 73
p0 5.603 ± 0.3001
pull
Entries 74
Mean −47.88
Std Dev 97.31

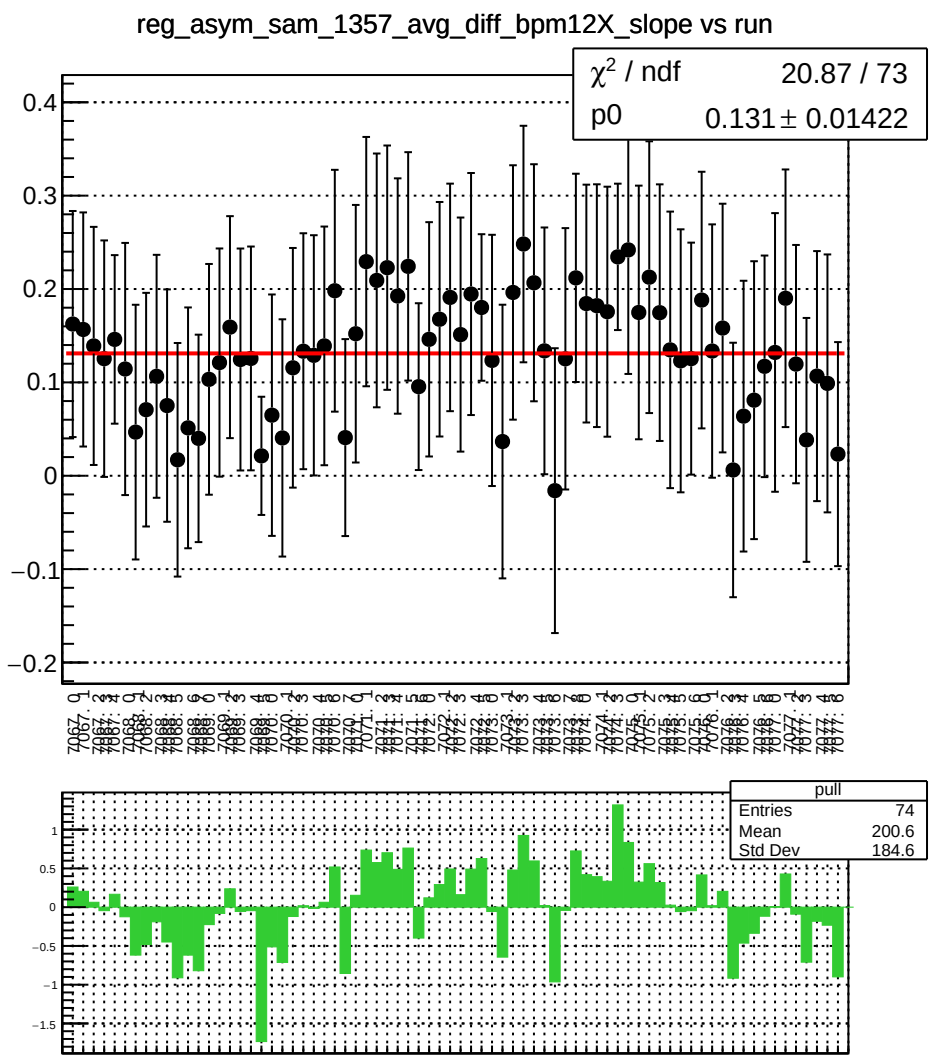

pull1D
Entries 74
Mean −0.06915
Std Dev 1.957

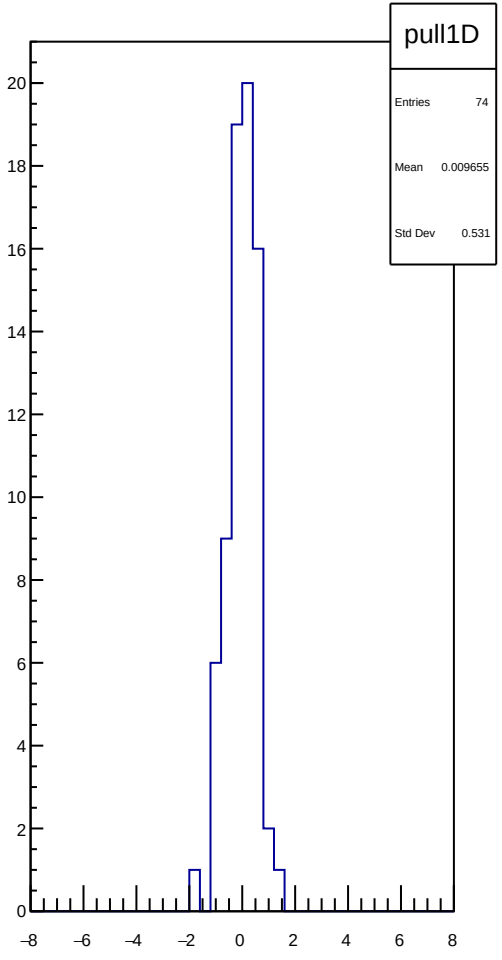

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 538.8 / 73
p0 −22.21 ± 0.3627
pull
Entries 74
Mean 26.18
Std Dev 15.16

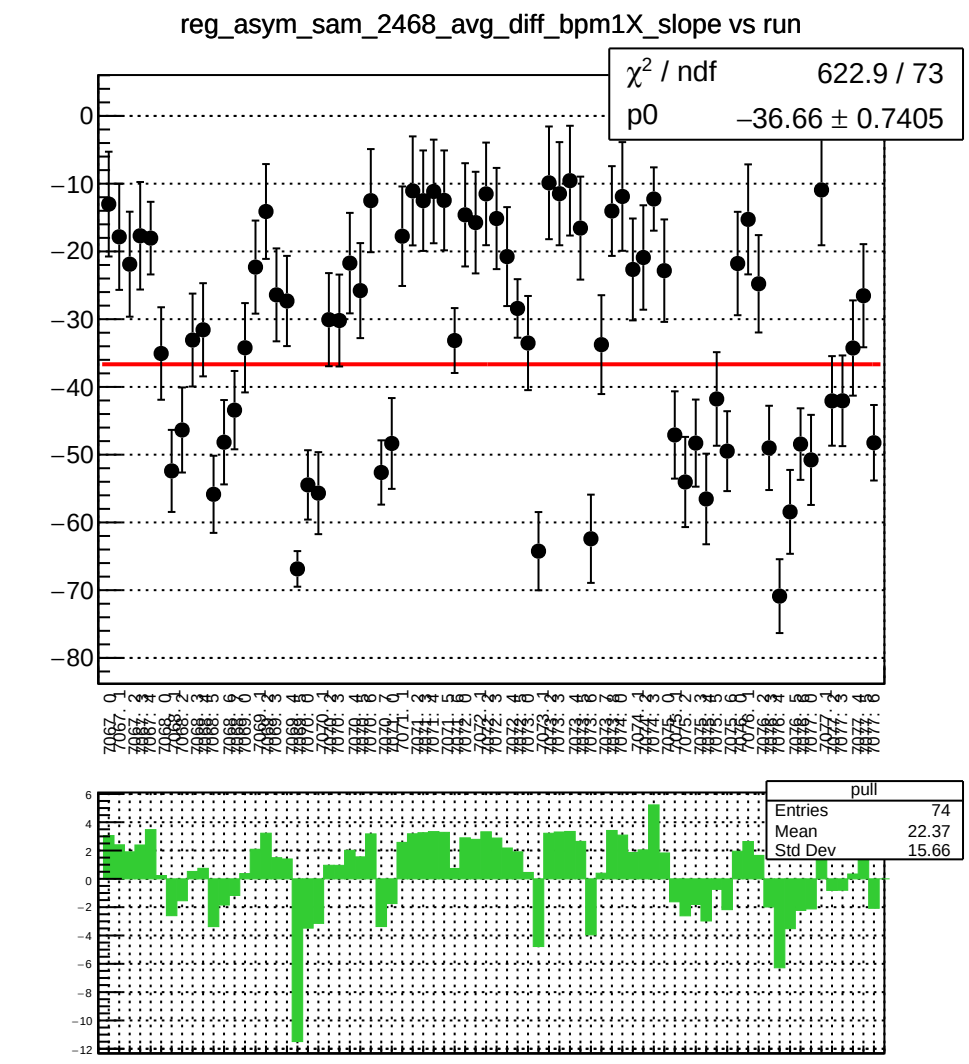

pull1D
Entries 74
Mean −0.5487
Std Dev 2.345

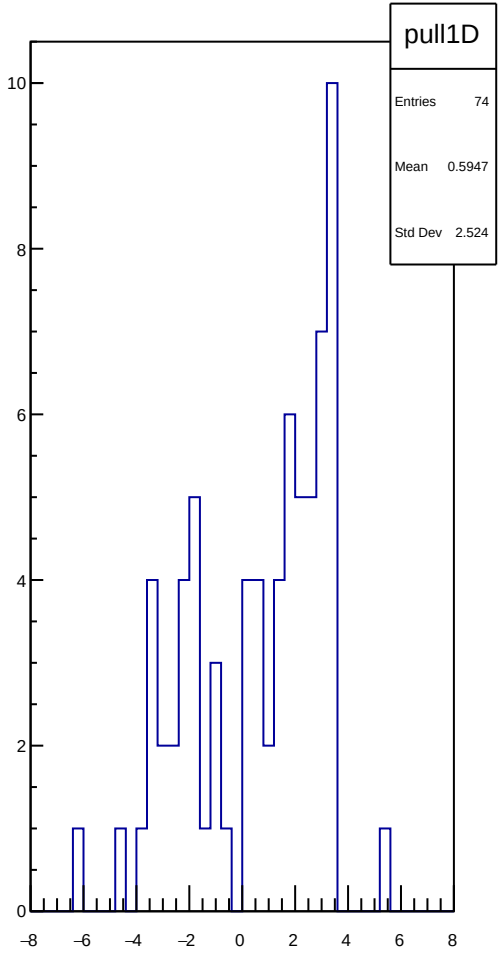

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 243.2 / 73
p0 24.15 ± 0.3127
pull
Entries 74
Mean −3.564
Std Dev 61.96

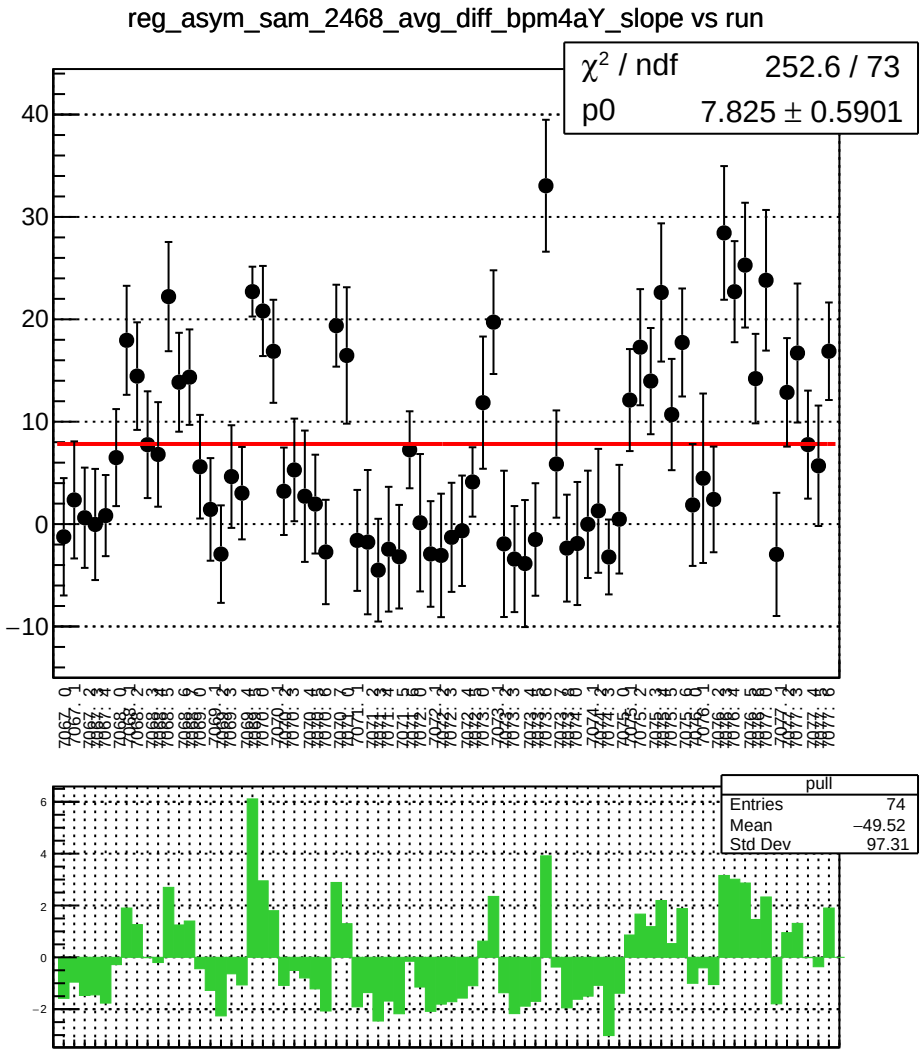

pull1D
Entries 74
Mean 0.08603
Std Dev 1.811

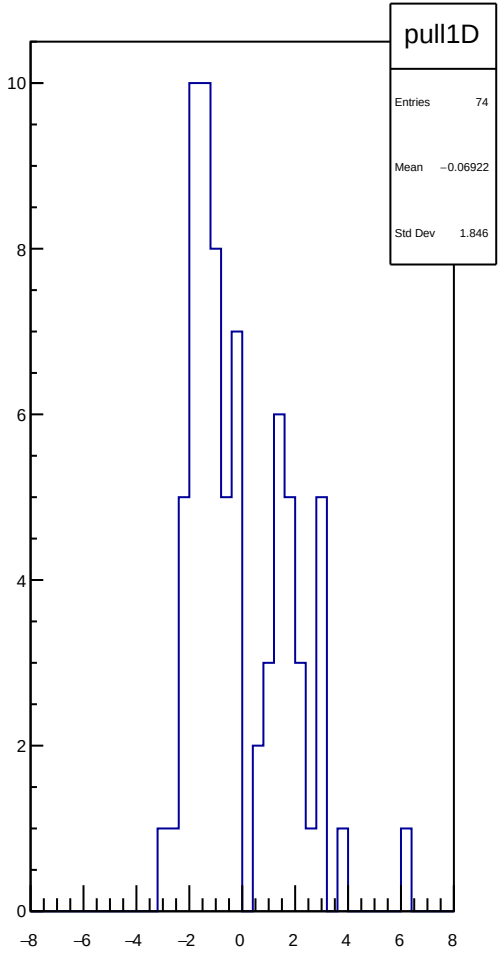

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 20.87 / 73
p0 0.131 ± 0.01422
pull
Entries 74
Mean 200.6
Std Dev 184.6

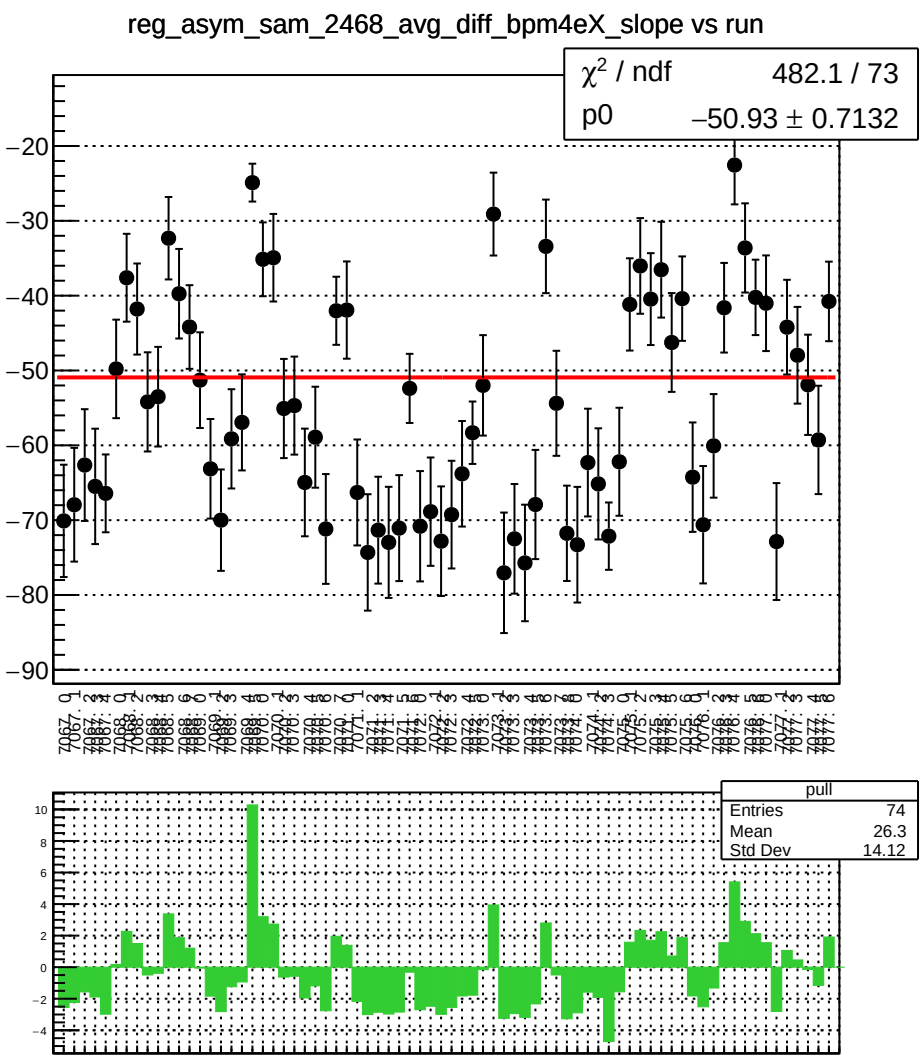

pull1D
Entries 74
Mean 0.009655
Std Dev 0.531

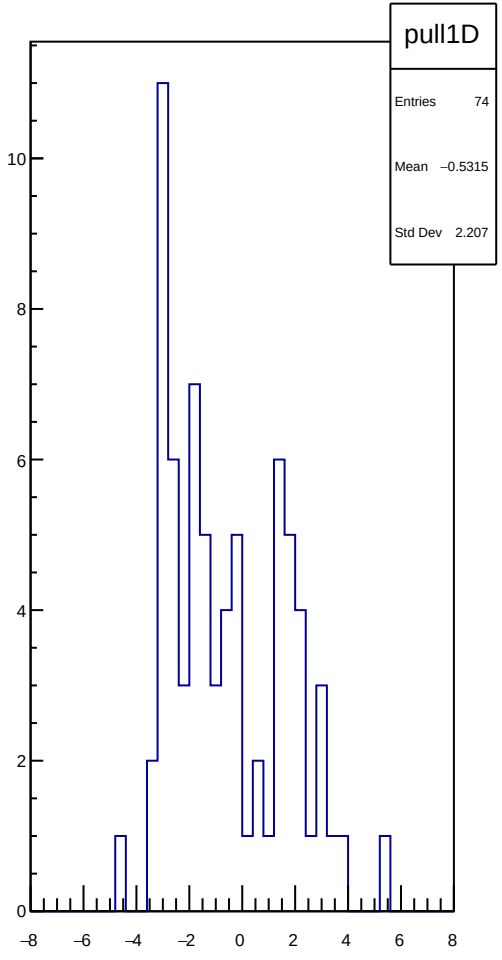

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 622.9 / 73
p0 −36.66 ± 0.7405
pull
Entries 74
Mean 22.37
Std Dev 15.66

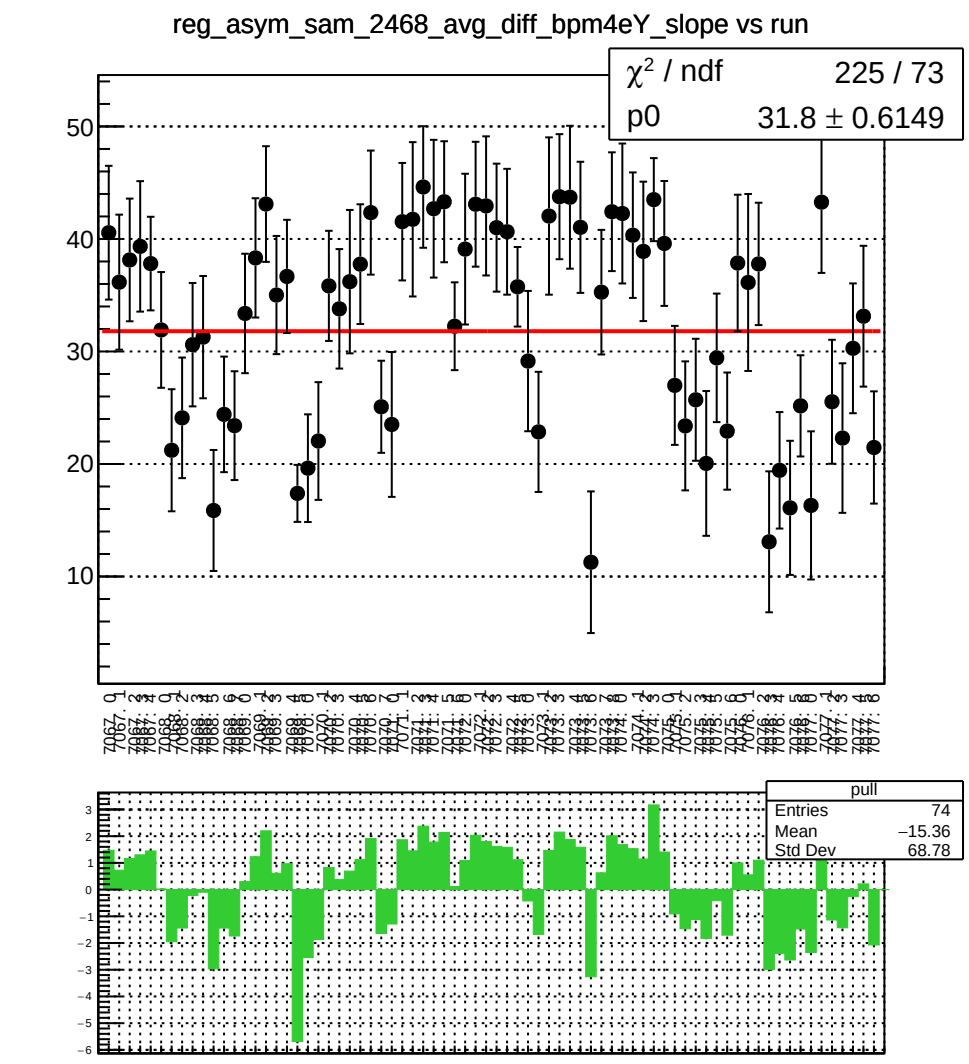

pull1D
Entries 74
Mean 0.5947
Std Dev 2.524

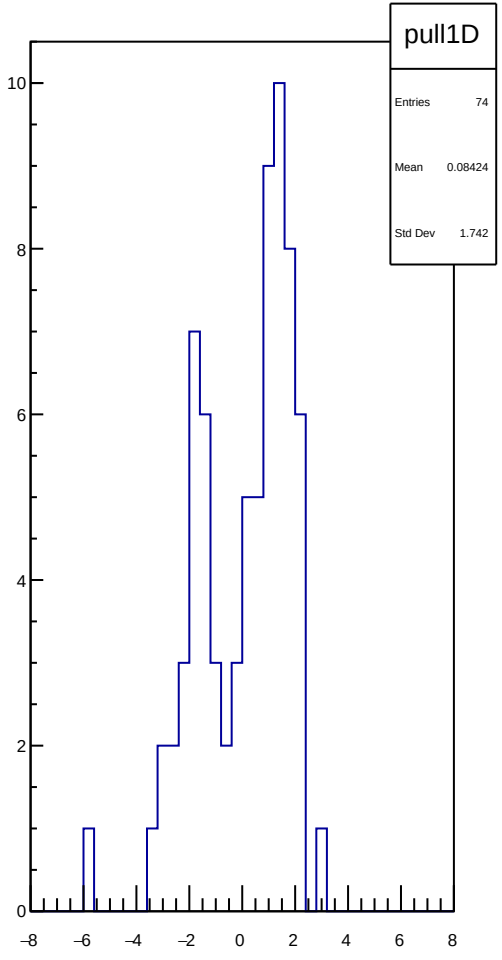

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 252.6 / 73
p0 7.825 ± 0.5901
pull
Entries 74
Mean −49.52
Std Dev 97.31

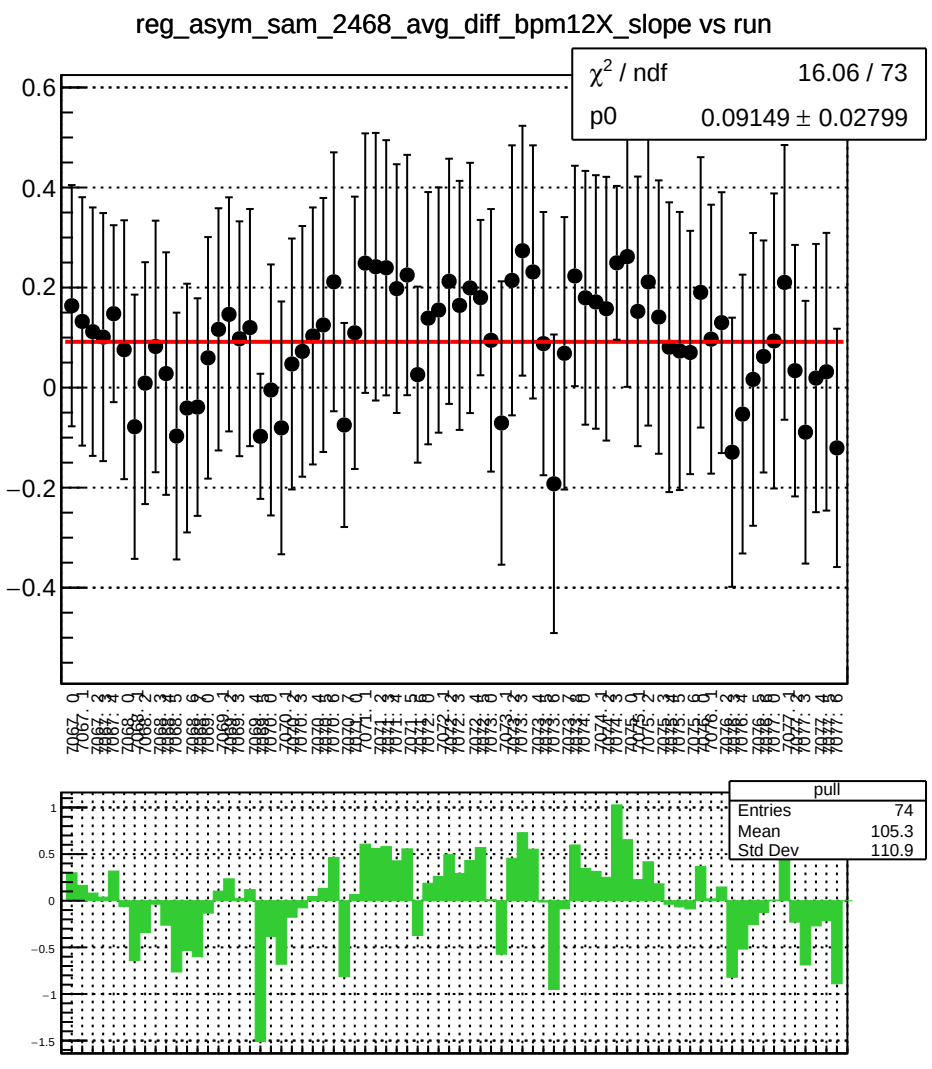

pull1D
Entries 74
Mean −0.06922
Std Dev 1.846

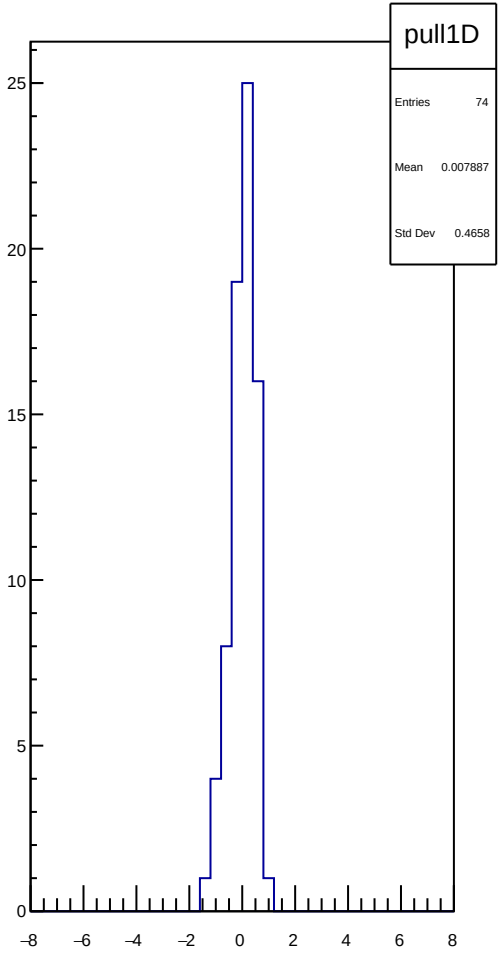

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 482.1 / 73
p0 −50.93 ± 0.7132
pull
Entries 74
Mean 26.3
Std Dev 14.12

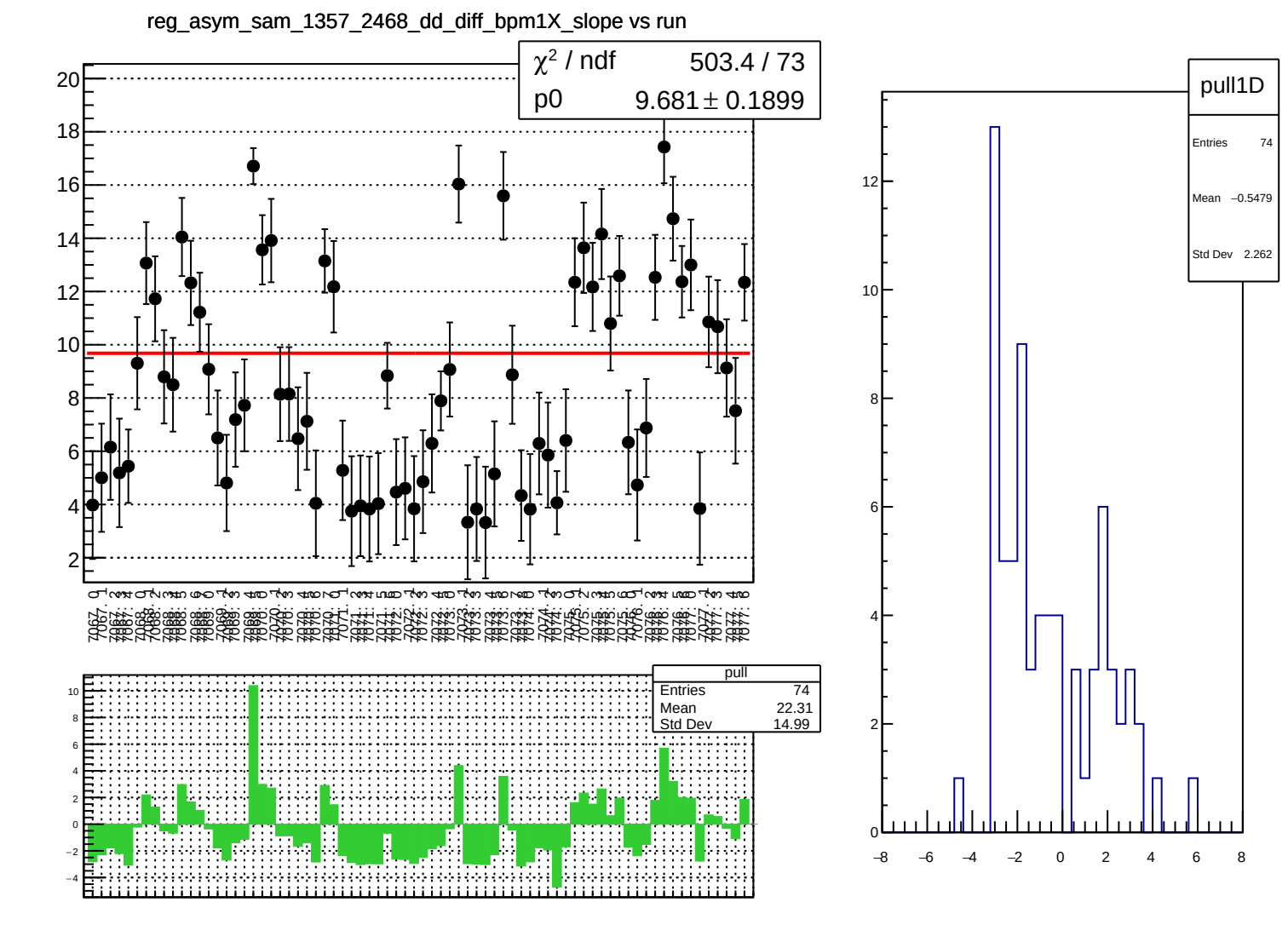

pull1D
Entries 74
Mean −0.5315
Std Dev 2.207

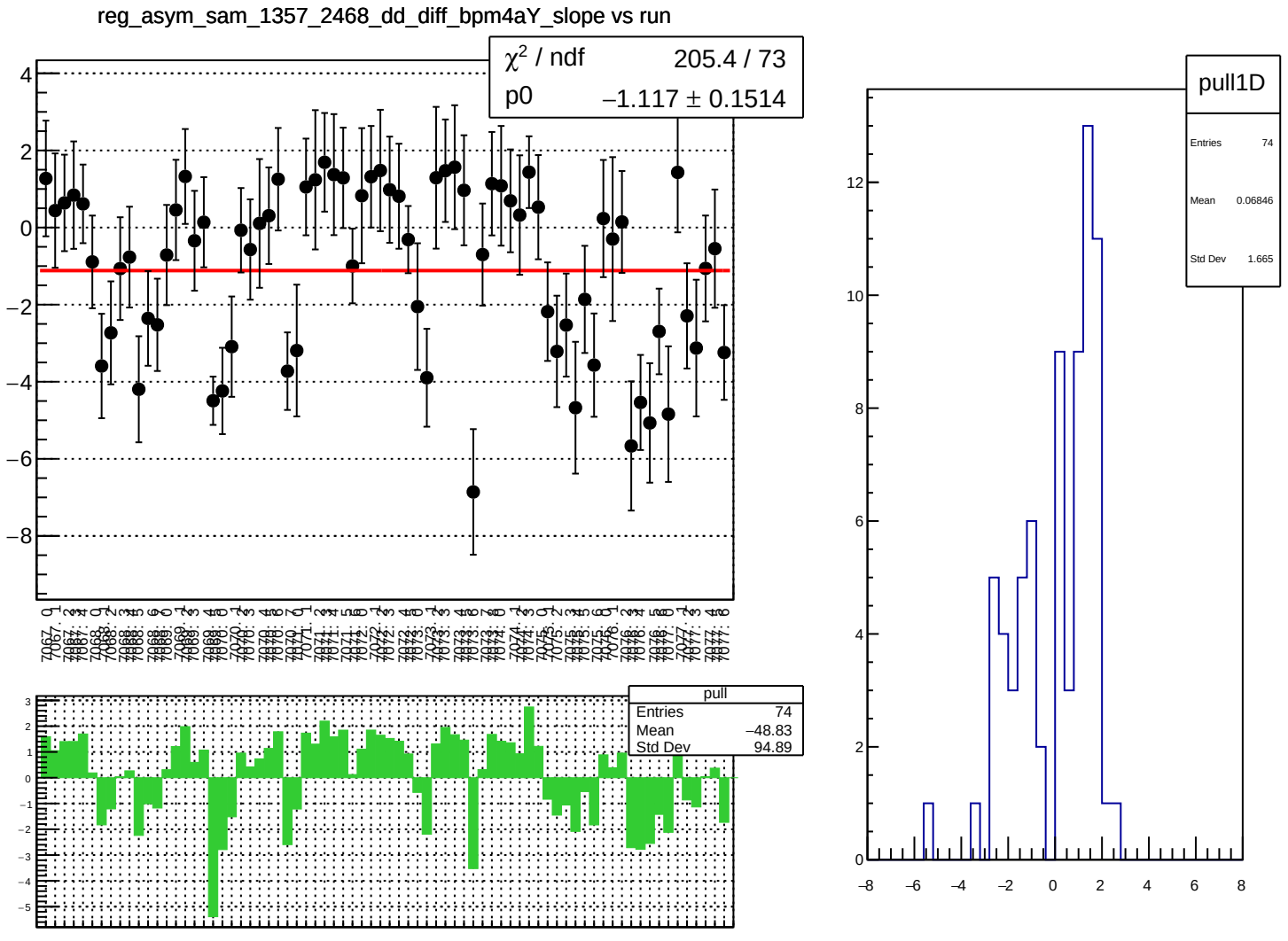

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 225 / 73
p0 31.8 ± 0.6149
pull
Entries 74
Mean −15.36
Std Dev 68.78

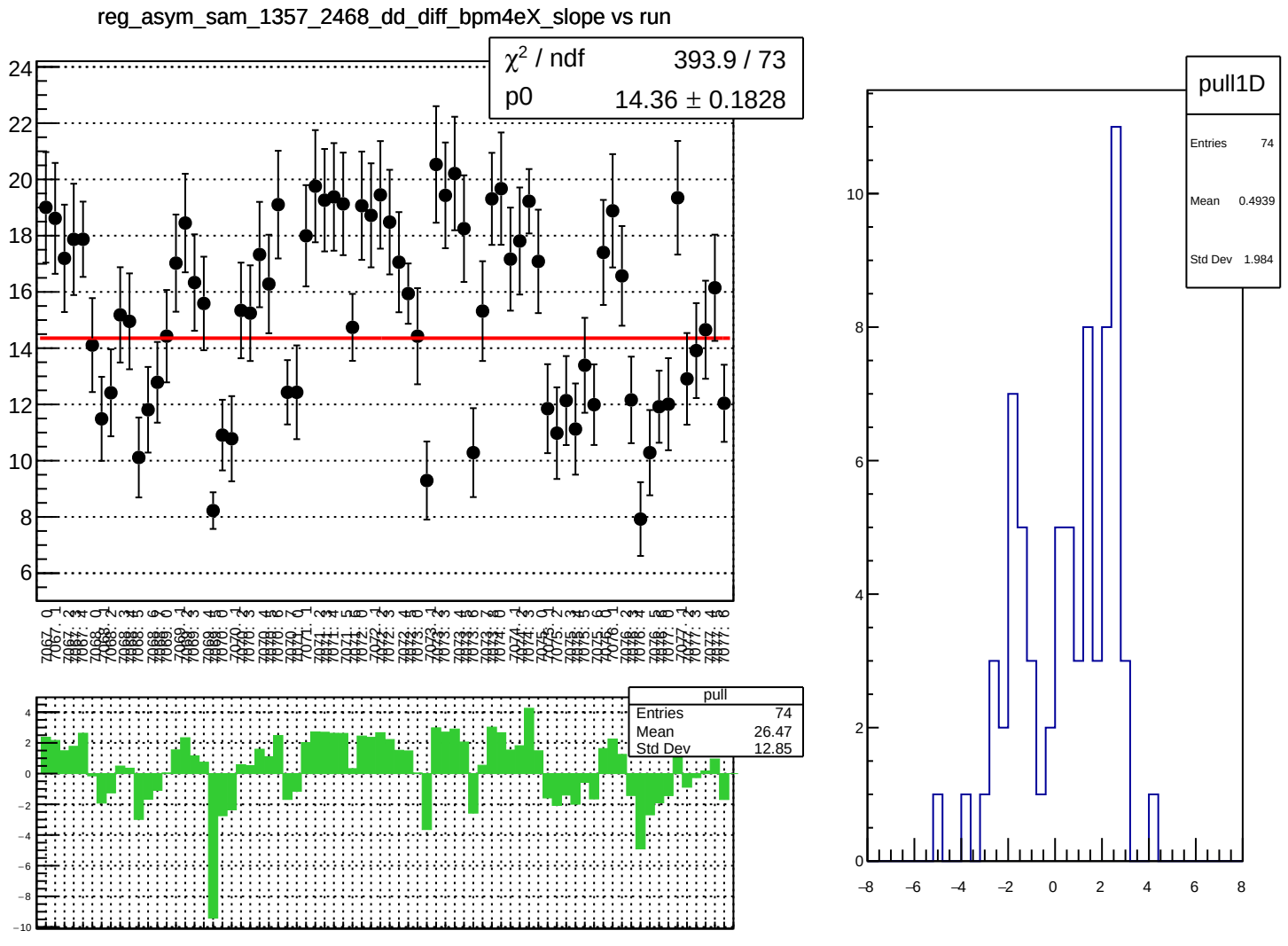

pull1D
Entries 74
Mean 0.08424
Std Dev 1.742

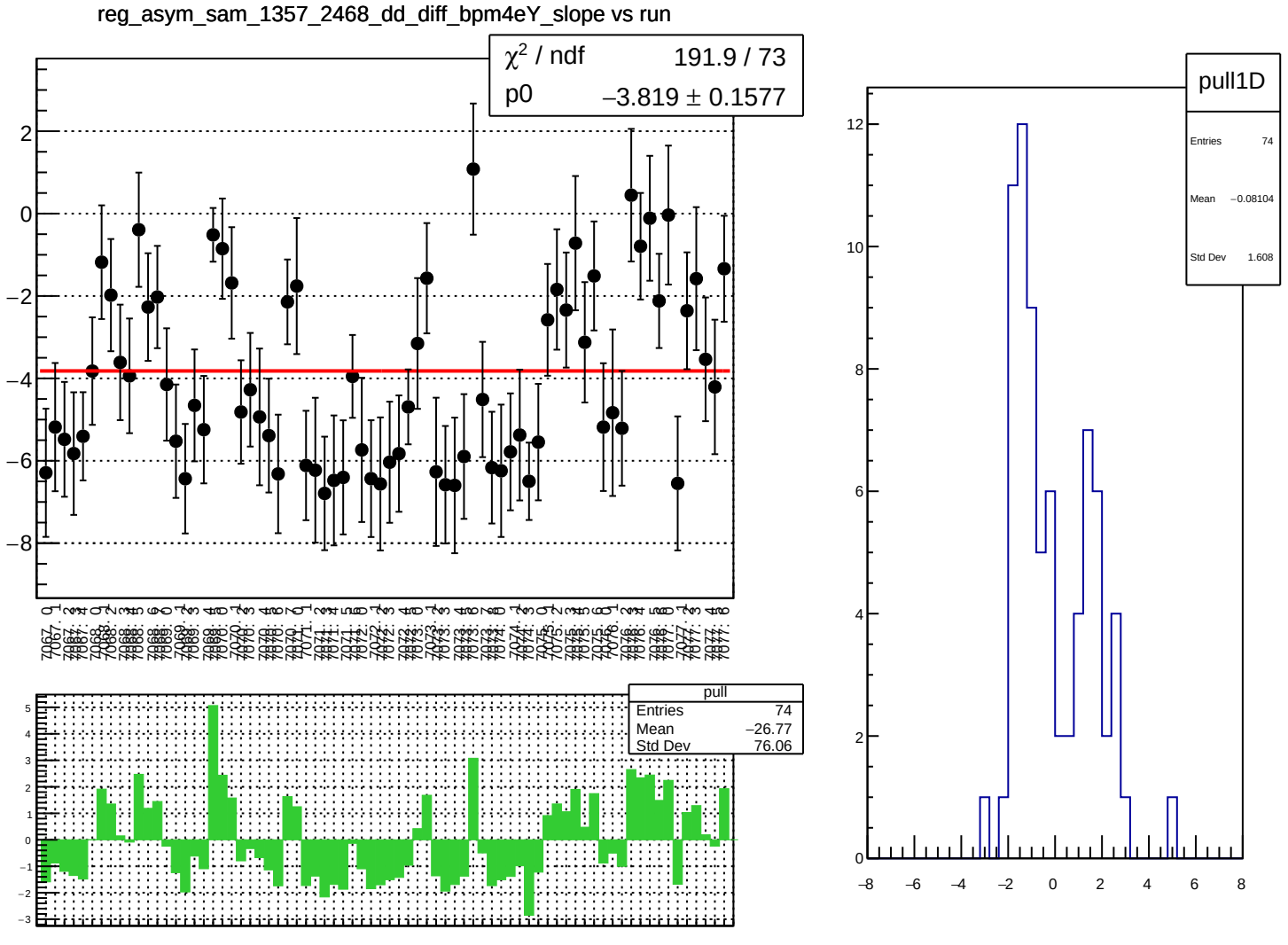

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 16.06 / 73
p0 0.09149 ± 0.02799
pull
Entries 74
Mean 105.3
Std Dev 110.9

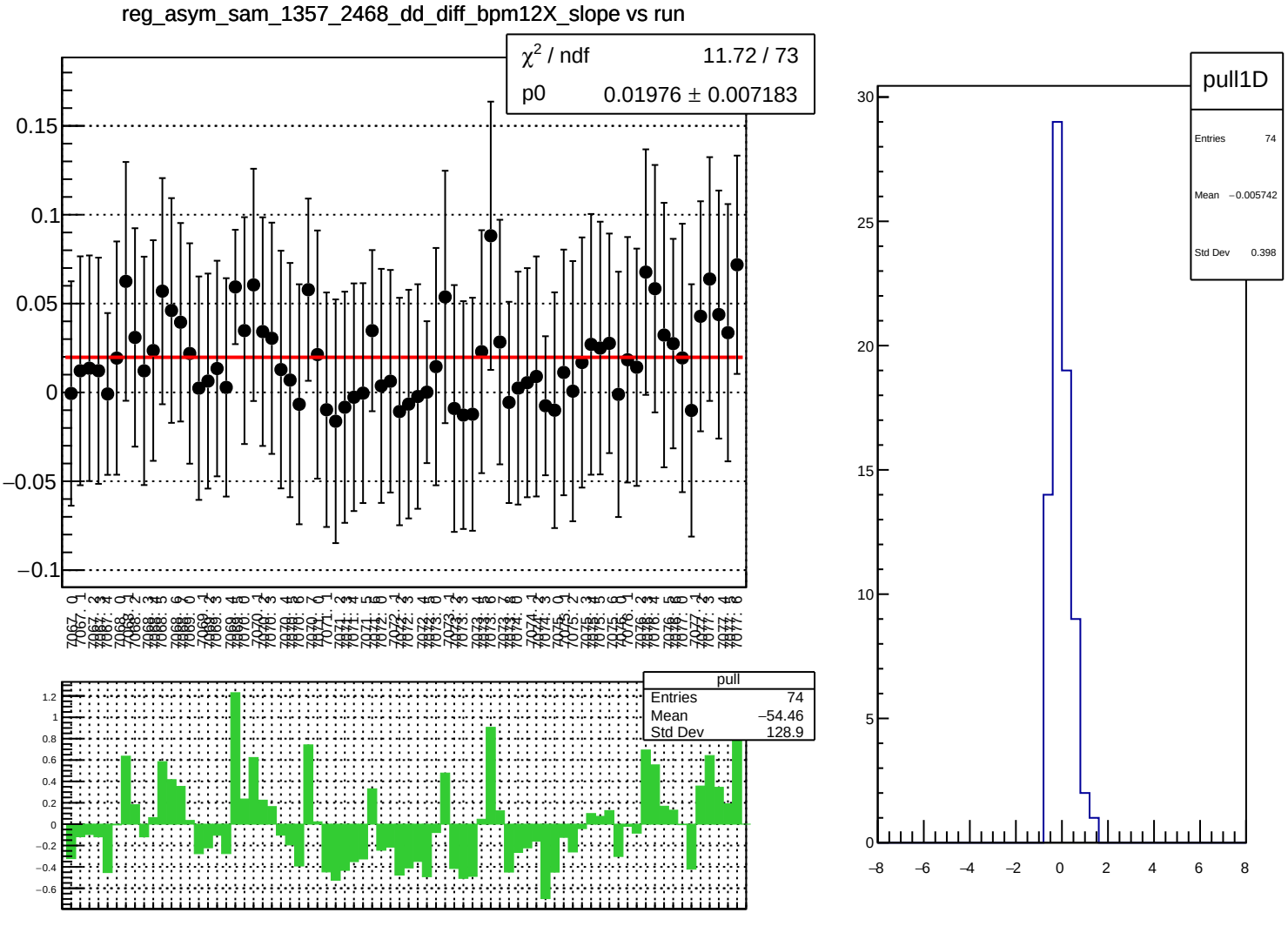

pull1D
Entries 74
Mean 0.007887
Std Dev 0.4658

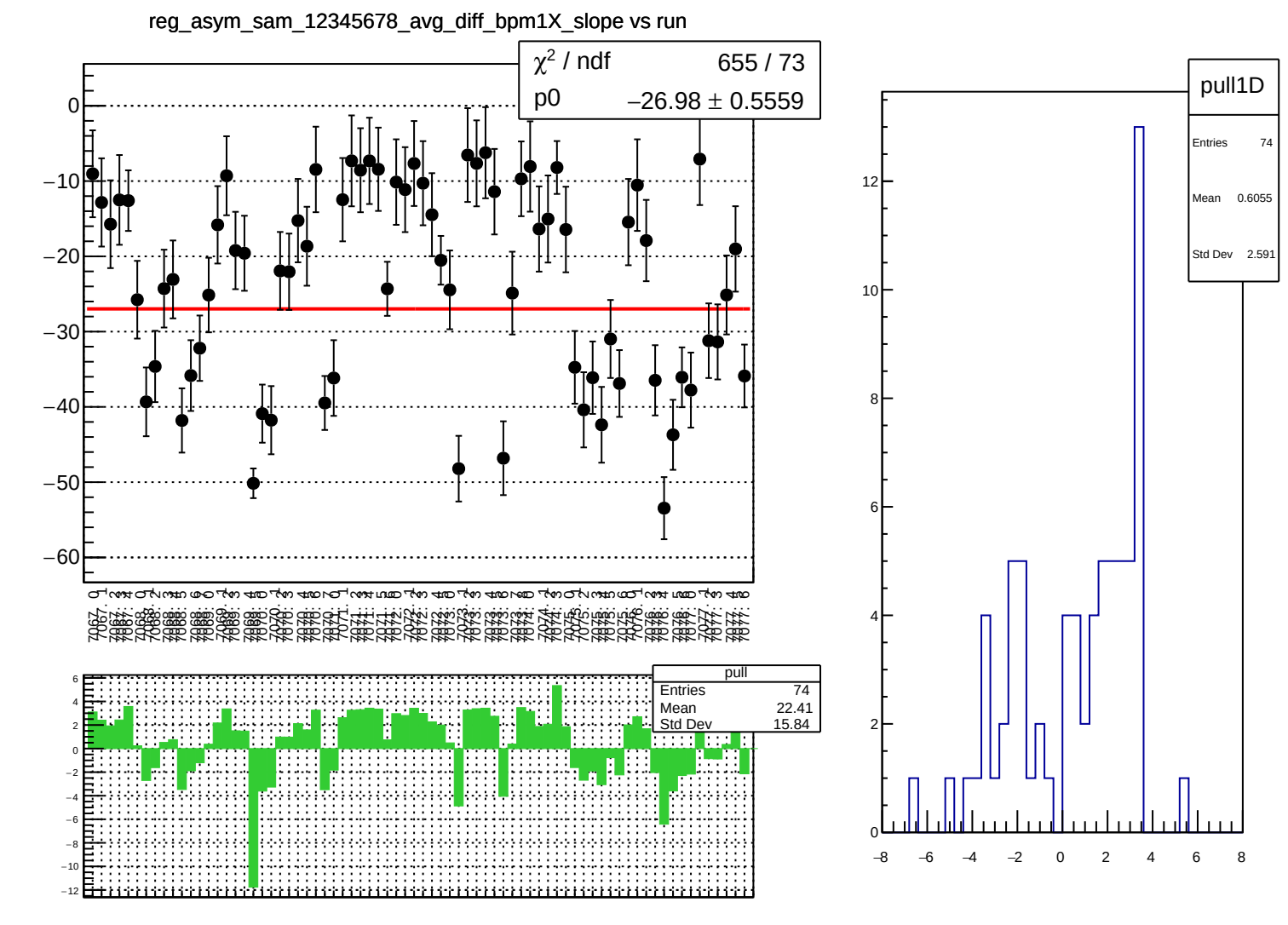

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 503.4 / 73
p0 9.681 ± 0.1899
pull
Entries 74
Mean 22.31
Std Dev 14.99
pull1D
Entries 74
Mean −0.5479
Std Dev 2.262

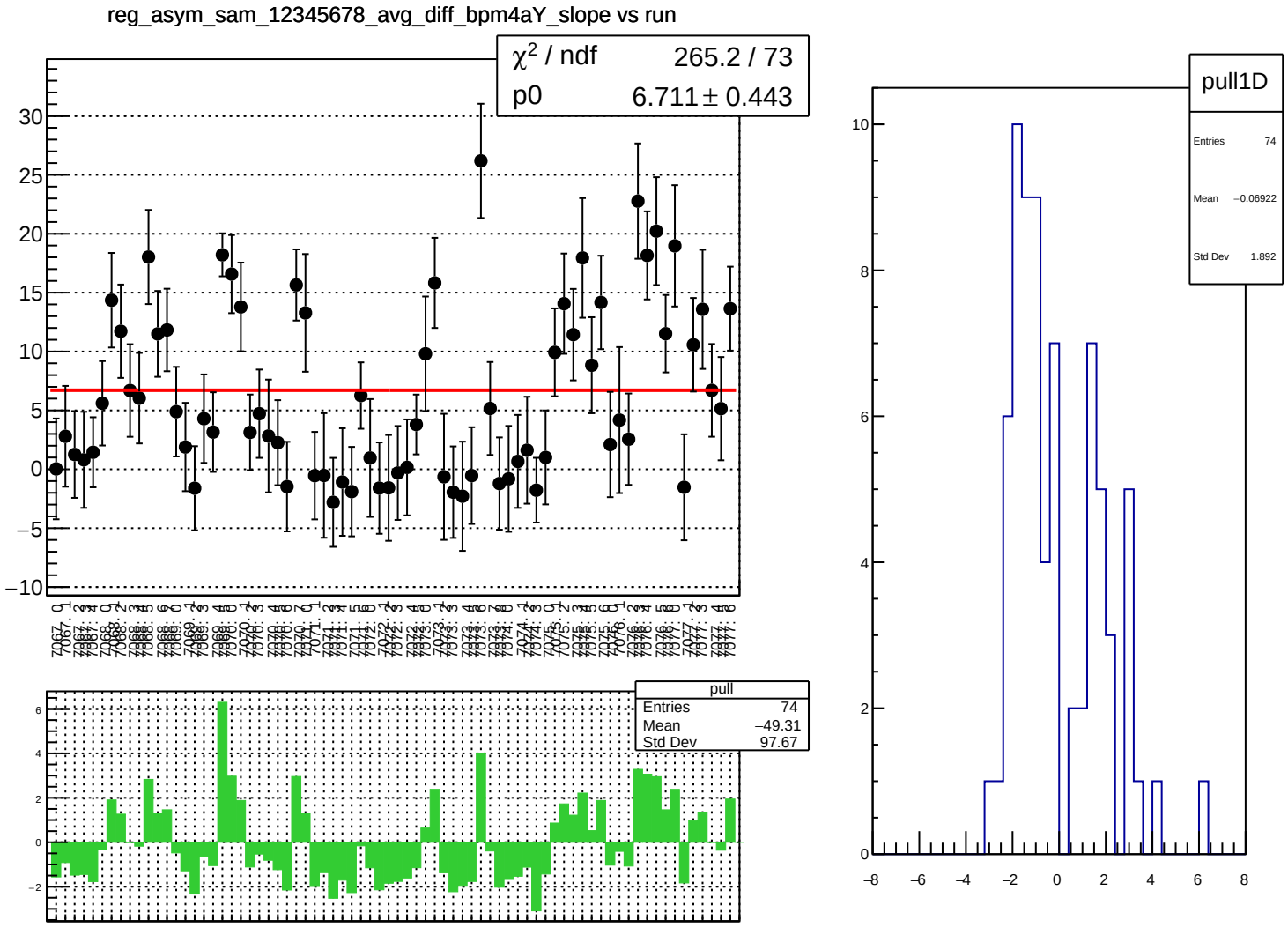

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 205.4 / 73
p0 −1.117 ± 0.1514
pull
Entries 74
Mean −48.83
Std Dev 94.89
pull1D
Entries 74
Mean 0.06846
Std Dev 1.665

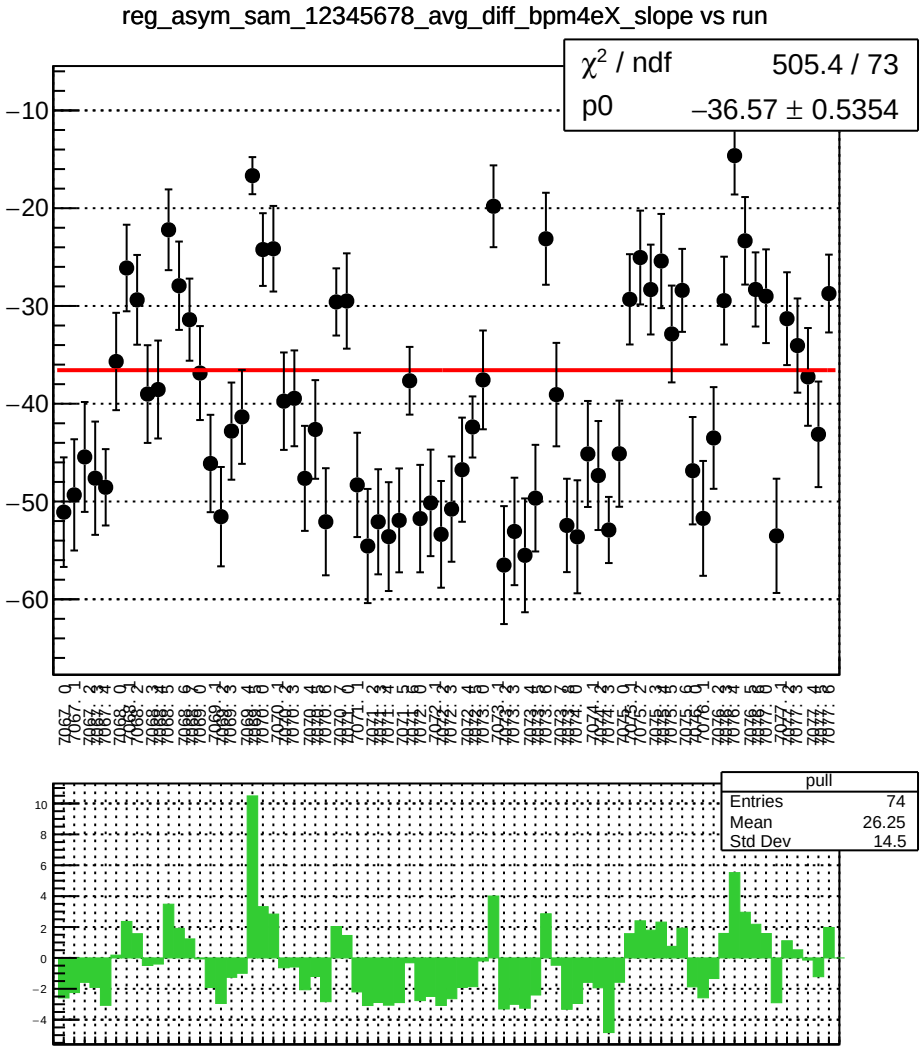

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 393.9 / 73
p0 14.36 ± 0.1828
pull
Entries 74
Mean 26.47
Std Dev 12.85
pull1D
Entries 74
Mean 0.4939
Std Dev 1.984

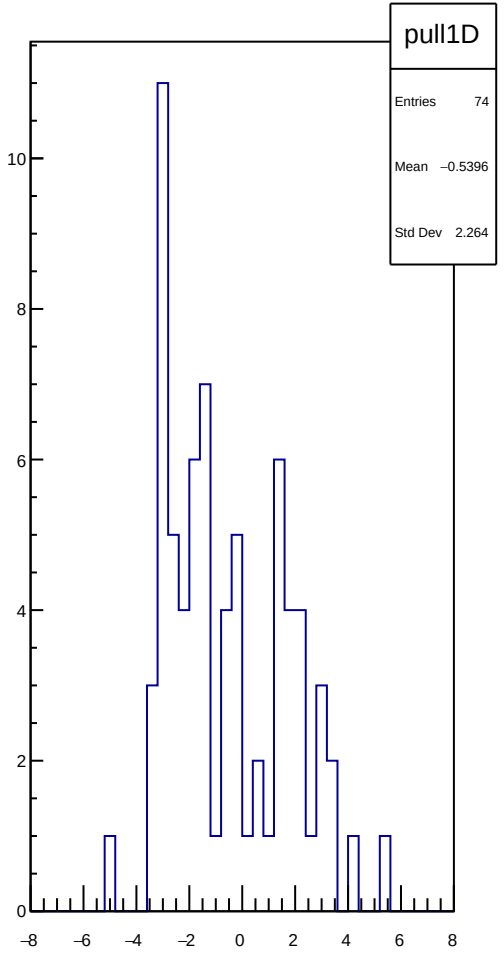

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 191.9 / 73
p0 −3.819 ± 0.1577
pull
Entries 74
Mean −26.77
Std Dev 76.06
pull1D
Entries 74
Mean −0.08104
Std Dev 1.608

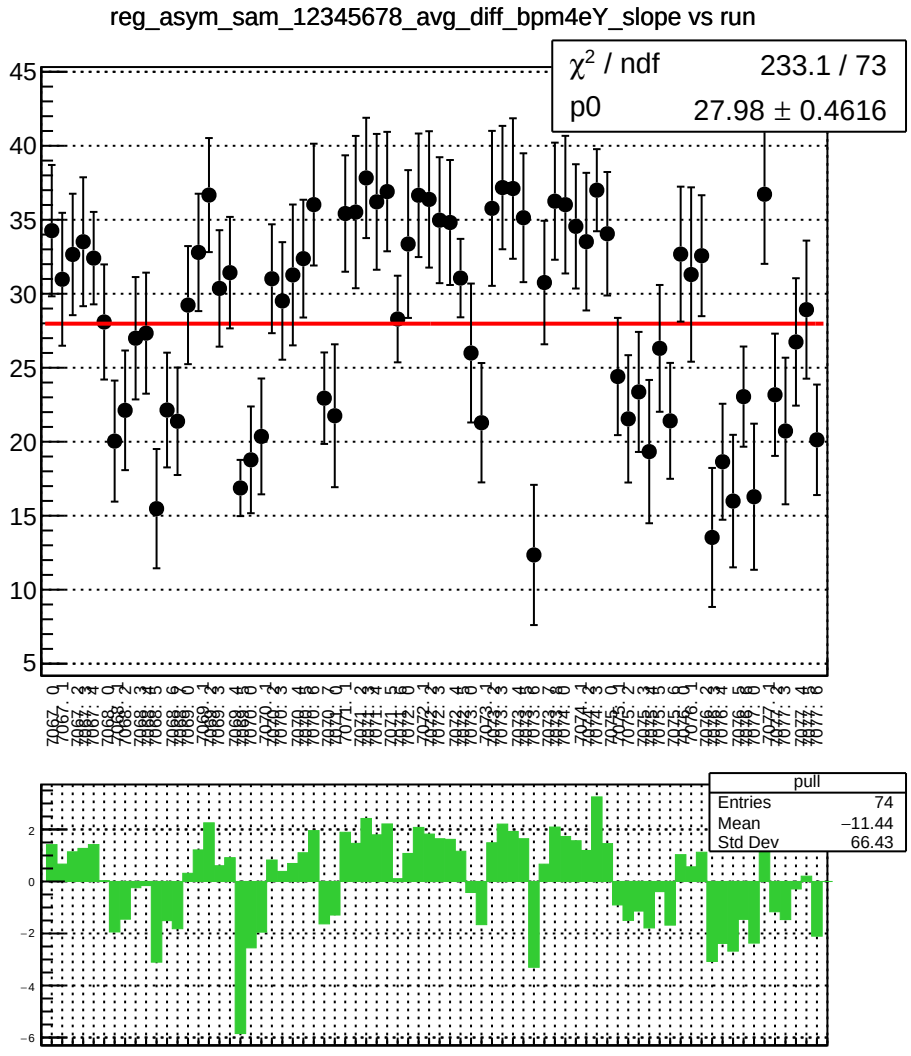

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 11.72 / 73
p0 0.01976 ± 0.007183
pull
Entries 74
Mean −54.46
Std Dev 128.9
pull1D
Entries 74
Mean −0.005742
Std Dev 0.398

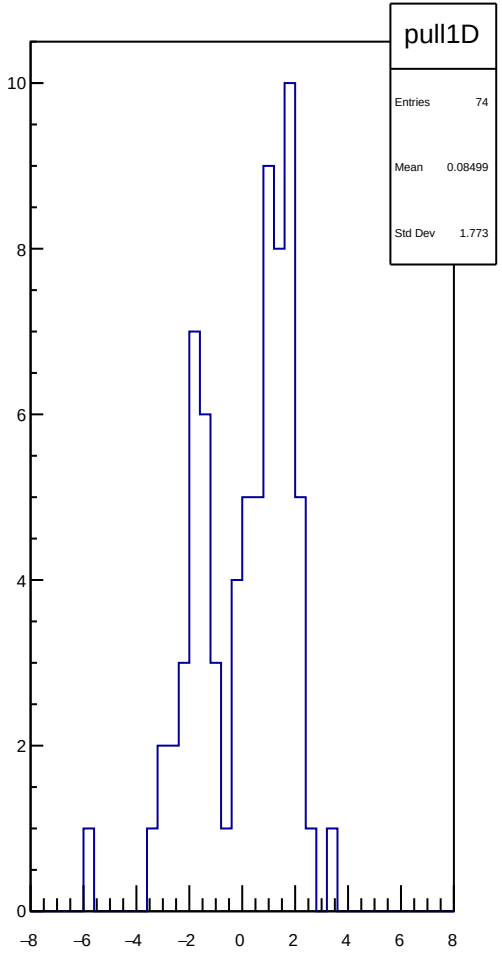

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 655 / 73
p0 −26.98 ± 0.5559
pull
Entries 74
Mean 22.41
Std Dev 15.84
pull1D
Entries 74
Mean 0.6055
Std Dev 2.591

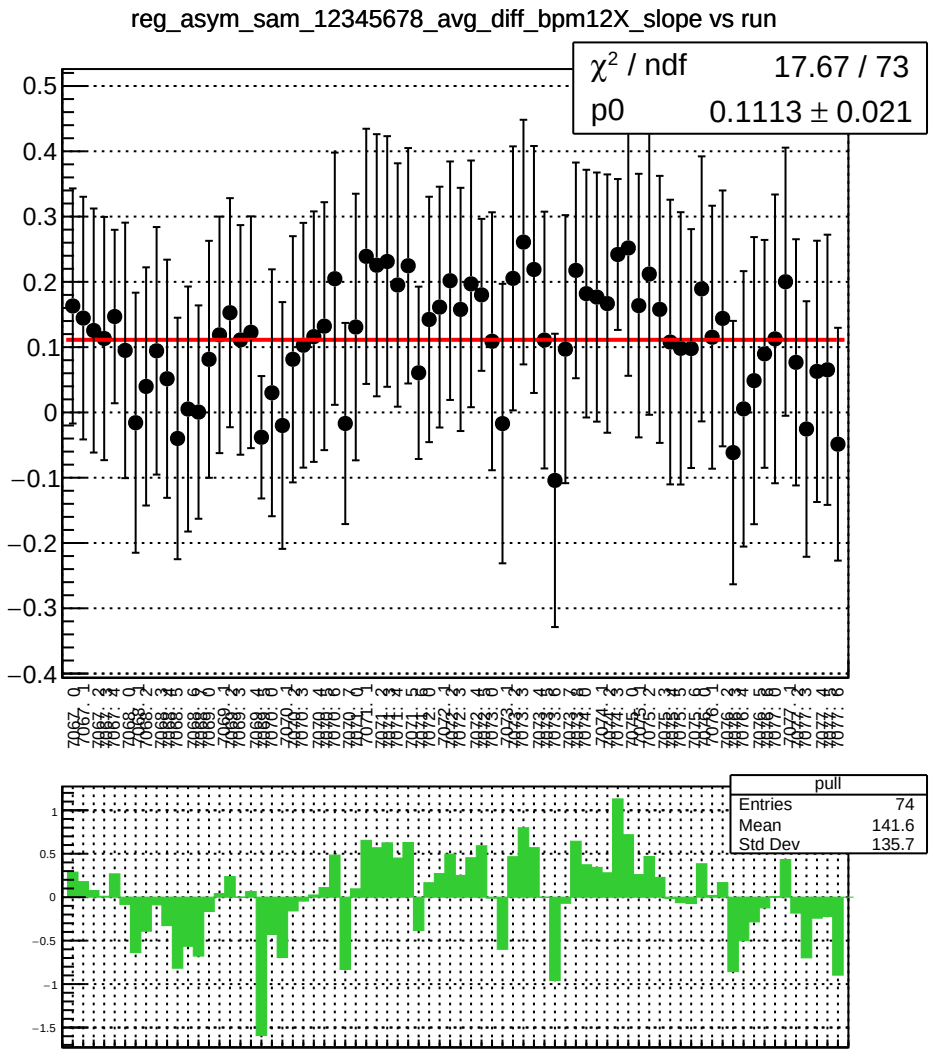

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 265.2 / 73
p0 6.711 ± 0.443
pull
Entries 74
Mean −49.31
Std Dev 97.67
pull1D
Entries 74
Mean −0.06922
Std Dev 1.892

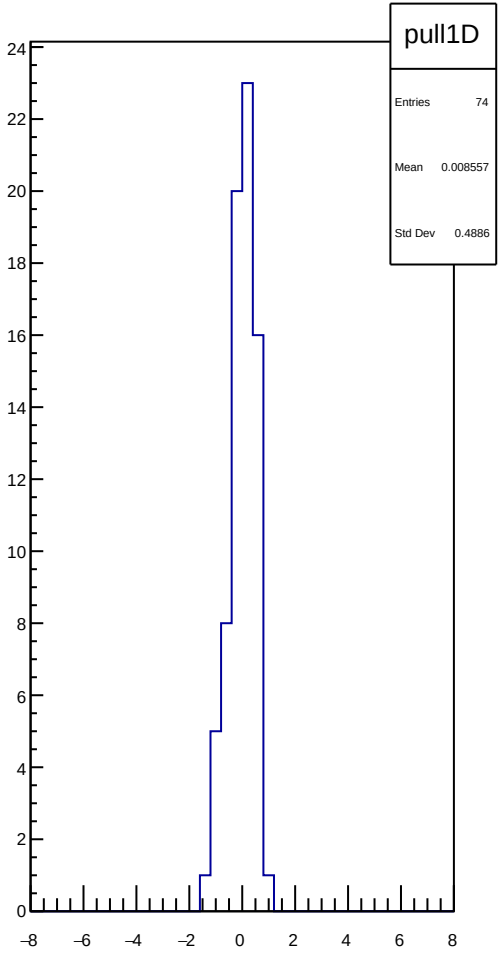

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 505.4 / 73
p0 −36.57 ± 0.5354
pull
Entries 74
Mean 26.25
Std Dev 14.5

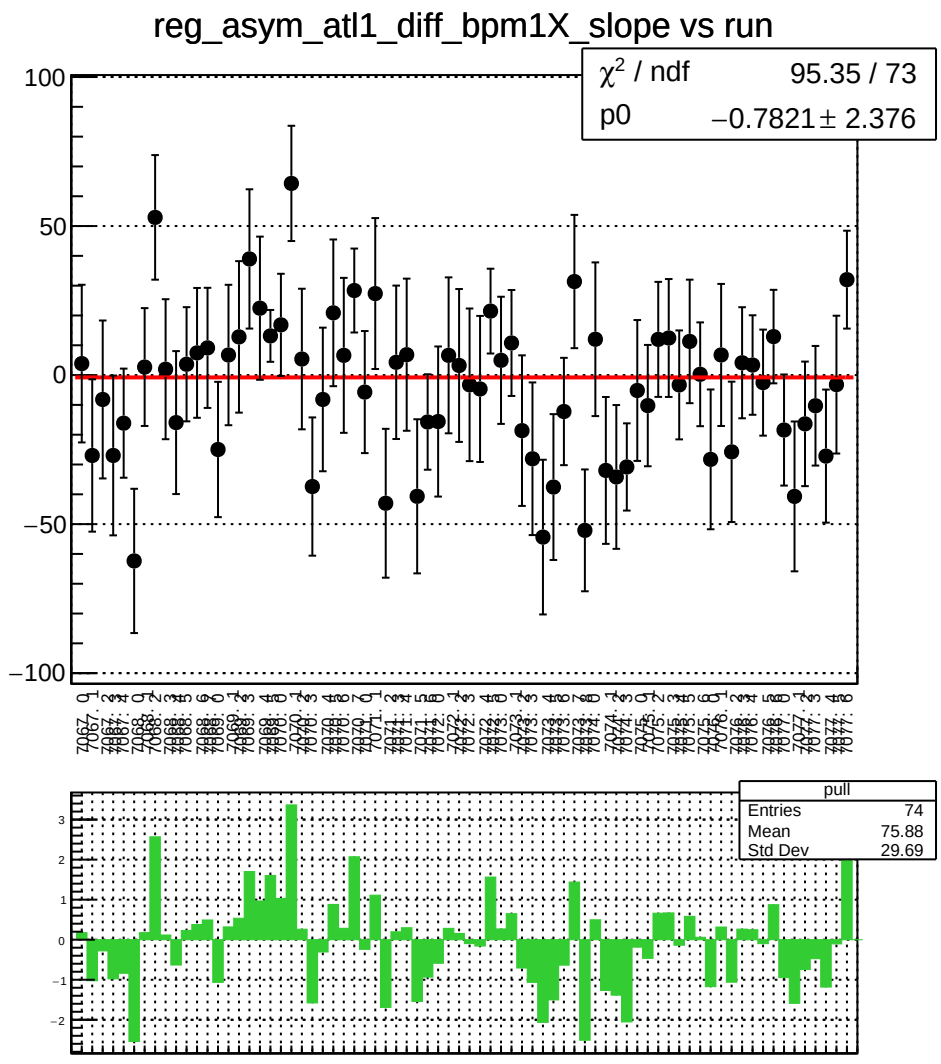

pull1D
Entries 74
Mean −0.5396
Std Dev 2.264

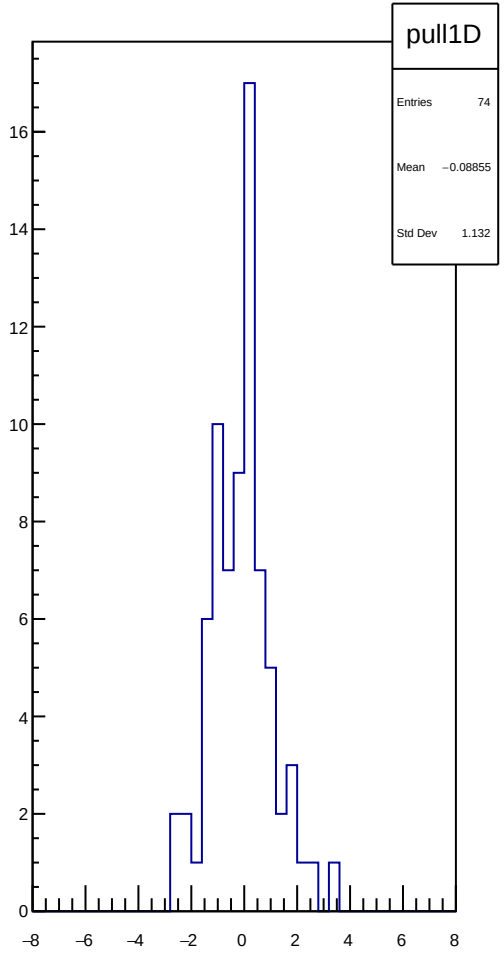

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 233.1 / 73
p0 27.98 ± 0.4616
pull
Entries 74
Mean −11.44
Std Dev 66.43

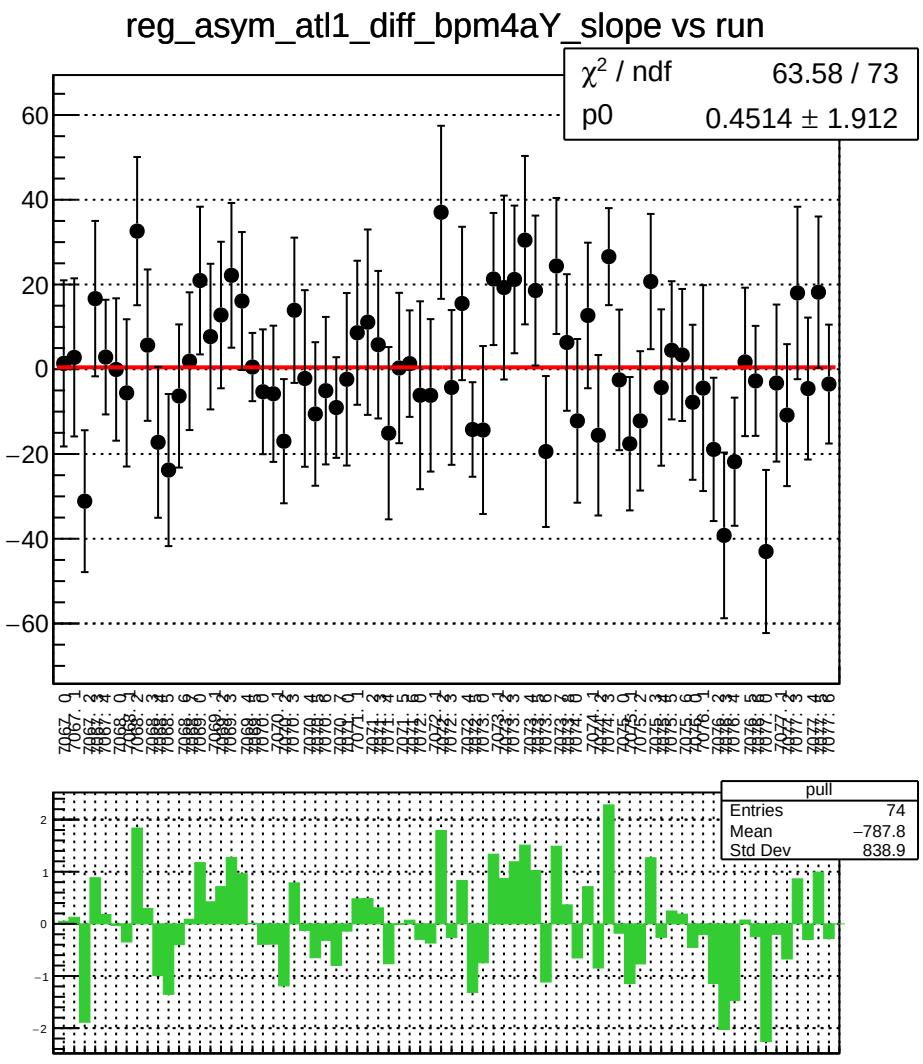

pull1D
Entries 74
Mean 0.08499
Std Dev 1.773

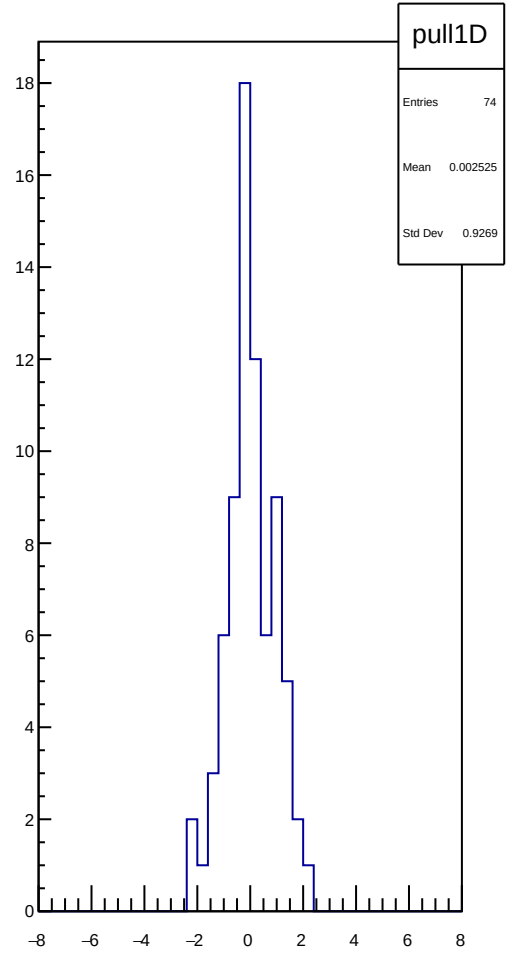

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 17.67 / 73
p0 0.1113 ± 0.021
pull
Entries 74
Mean 141.6
Std Dev 135.7

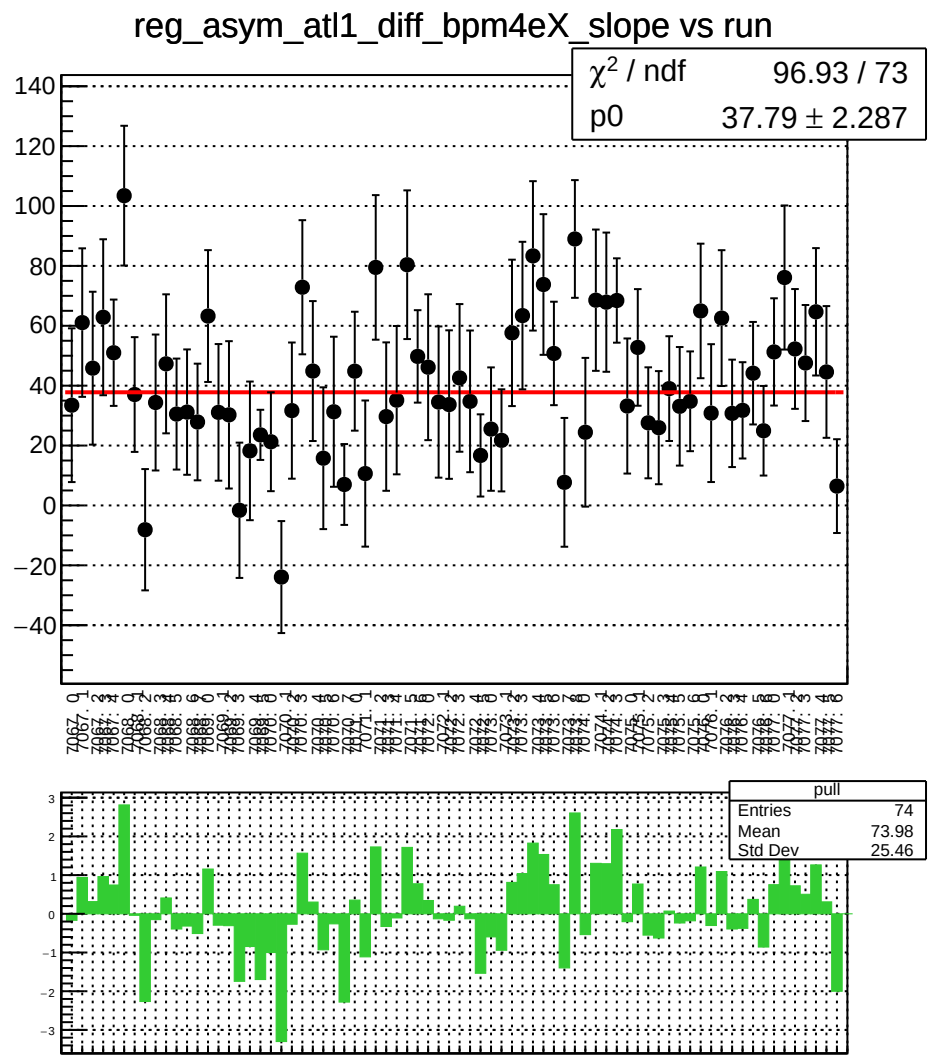

pull1D
Entries 74
Mean 0.008557
Std Dev 0.4886

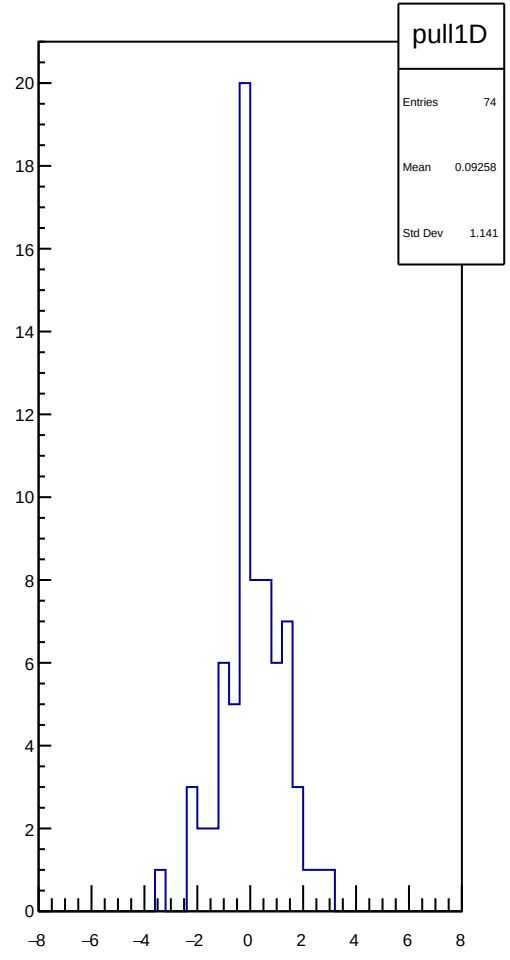

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 95.35 / 73
p0 −0.7821 ± 2.376
pull
Entries 74
Mean 75.88
Std Dev 29.69

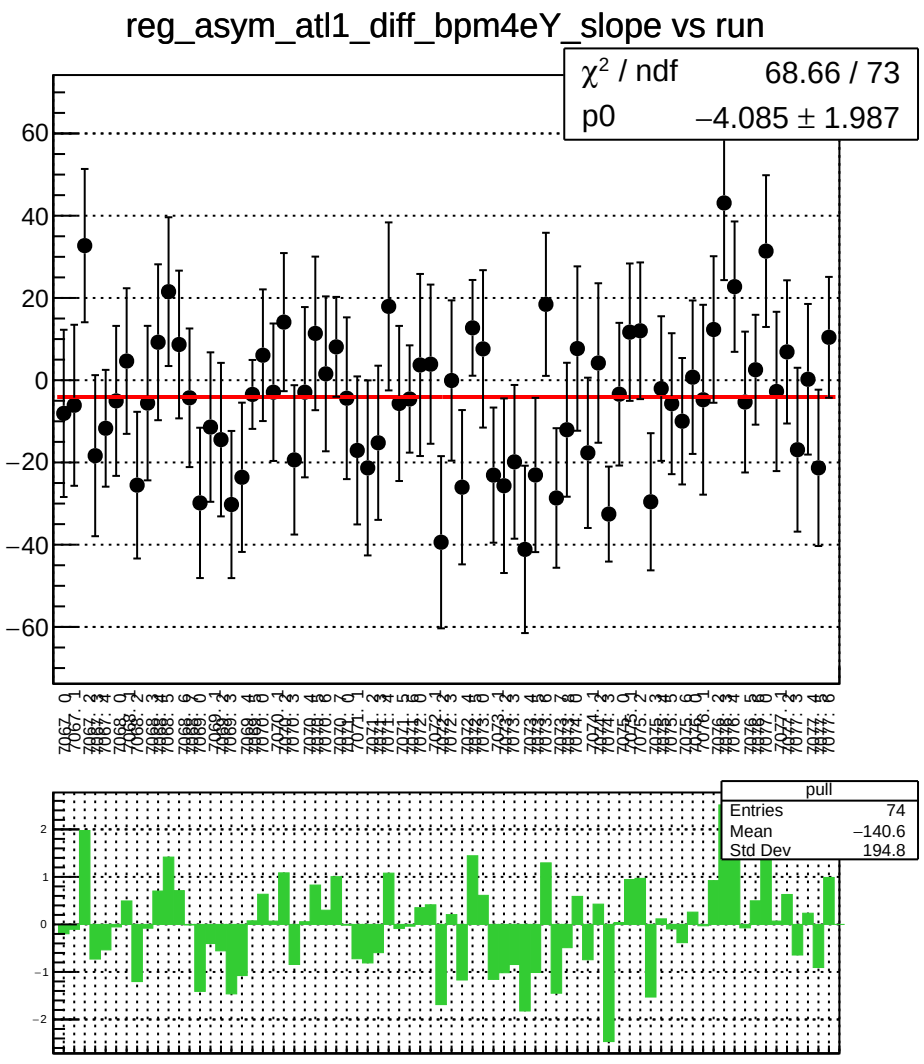

pull1D
Entries 74
Mean −0.08855
Std Dev 1.132

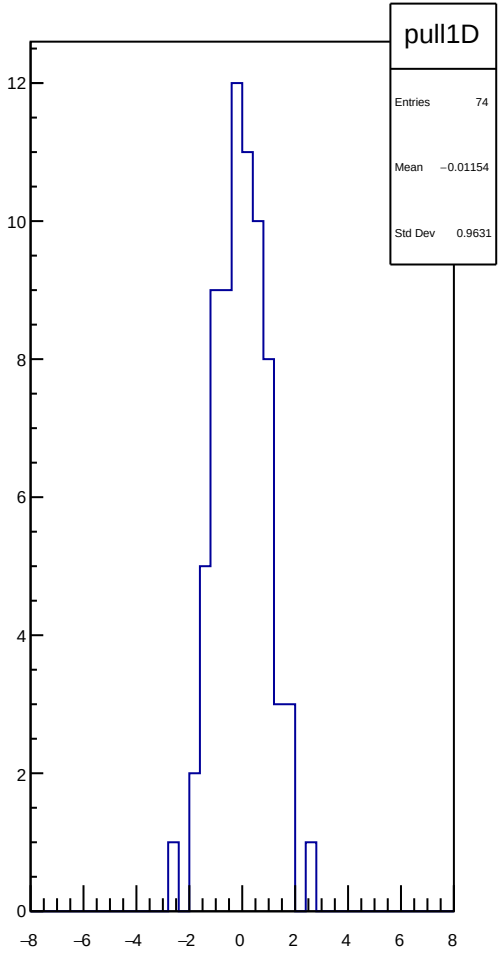

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 63.58 / 73
p0 0.4514 ± 1.912
pull
Entries 74
Mean −787.8
Std Dev 838.9

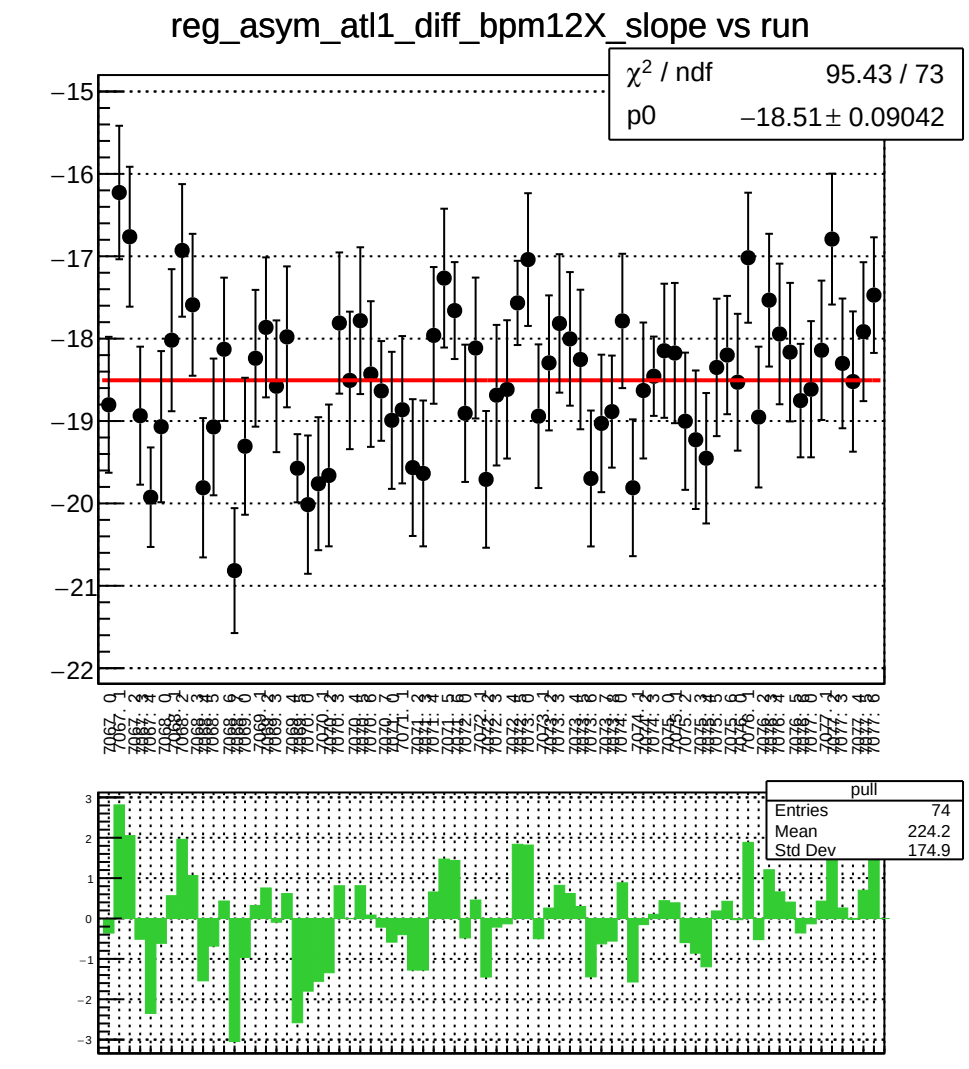

pull1D
Entries 74
Mean 0.002525
Std Dev 0.9269

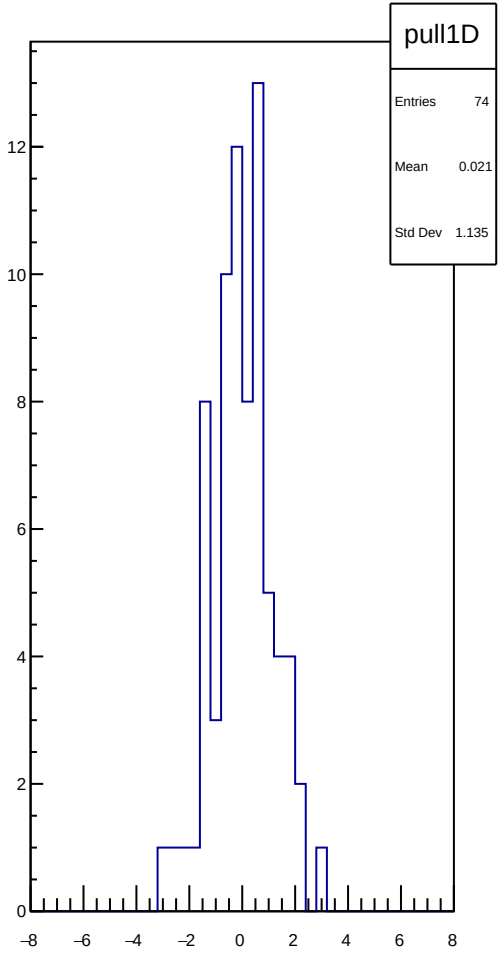

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 96.93 / 73
p0 37.79 ± 2.287
pull
Entries 74
Mean 73.98
Std Dev 25.46

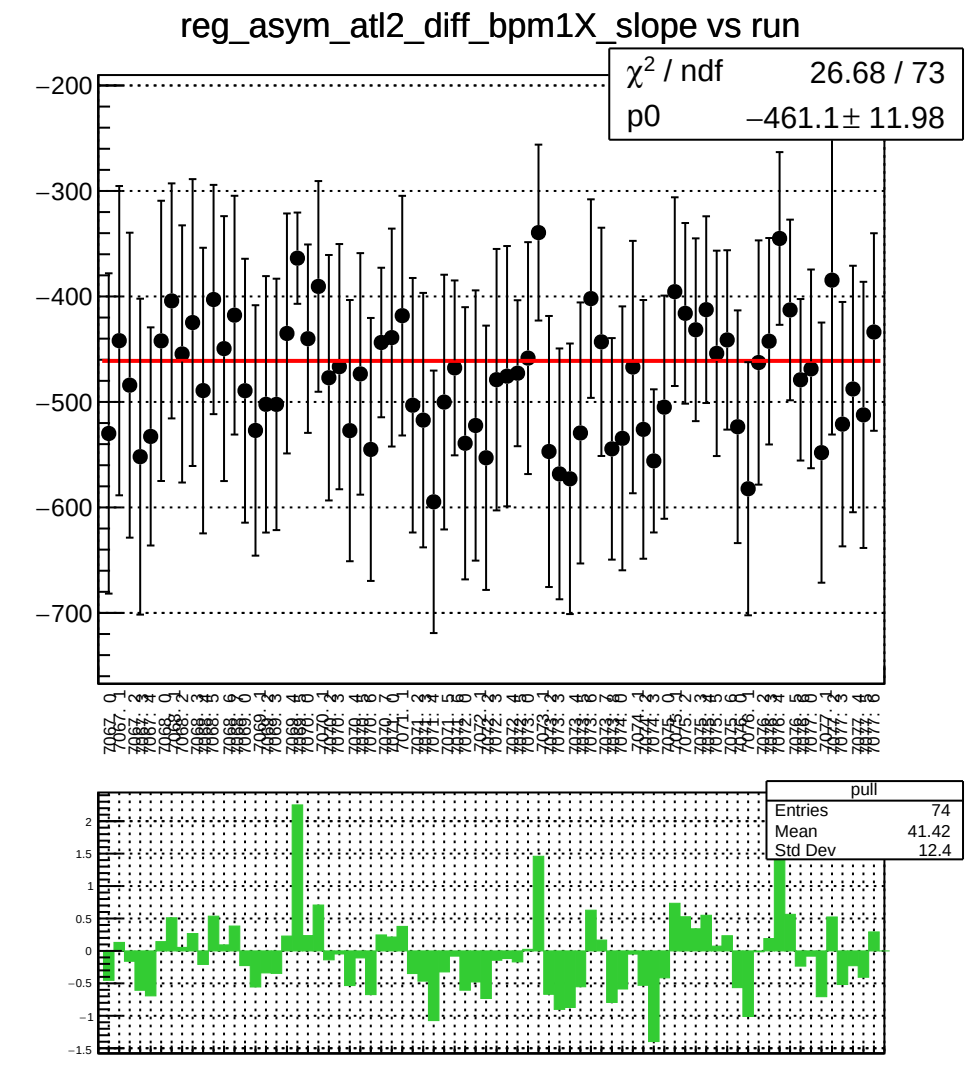

pull1D
Entries 74
Mean 0.09258
Std Dev 1.141

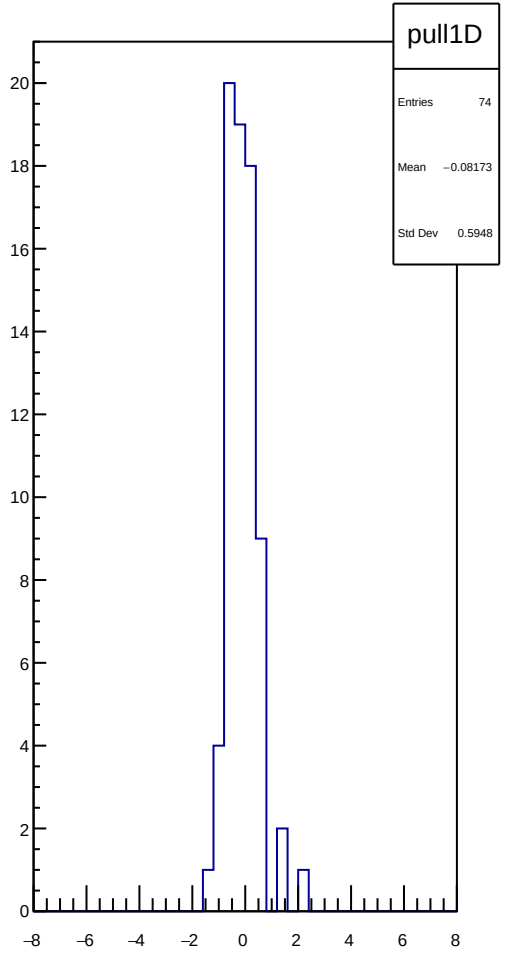

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 68.66 / 73
p0 −4.085 ± 1.987
pull
Entries 74
Mean −140.6
Std Dev 194.8

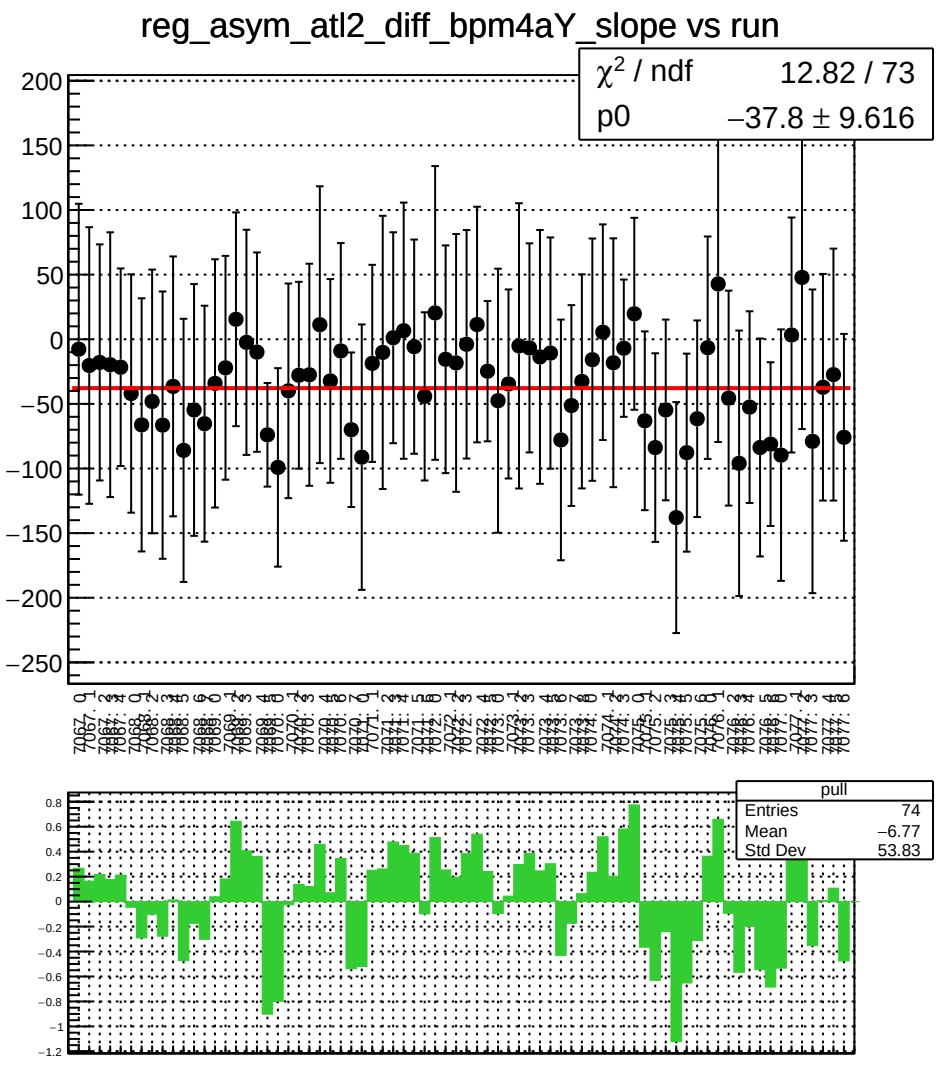

pull1D
Entries 74
Mean −0.01154
Std Dev 0.9631

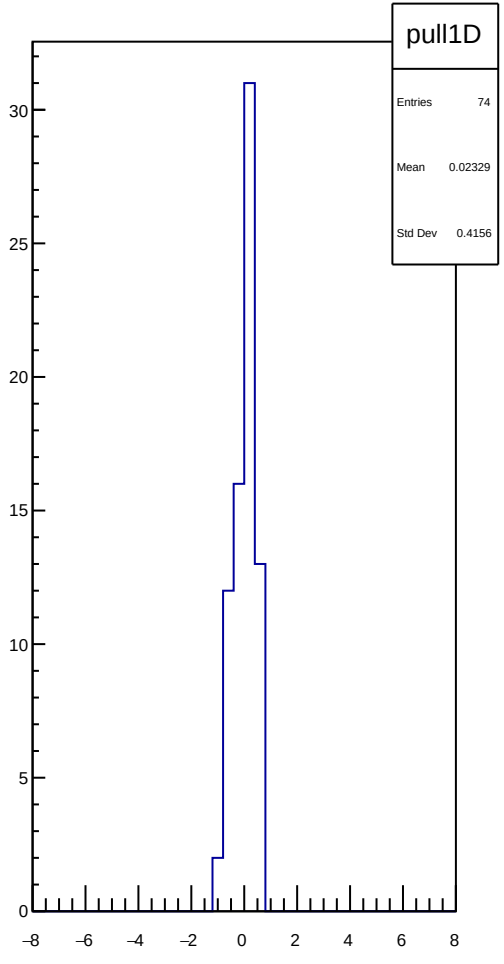

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 95.43 / 73
p0 −18.51 ± 0.09042
pull
Entries 74
Mean 224.2
Std Dev 174.9

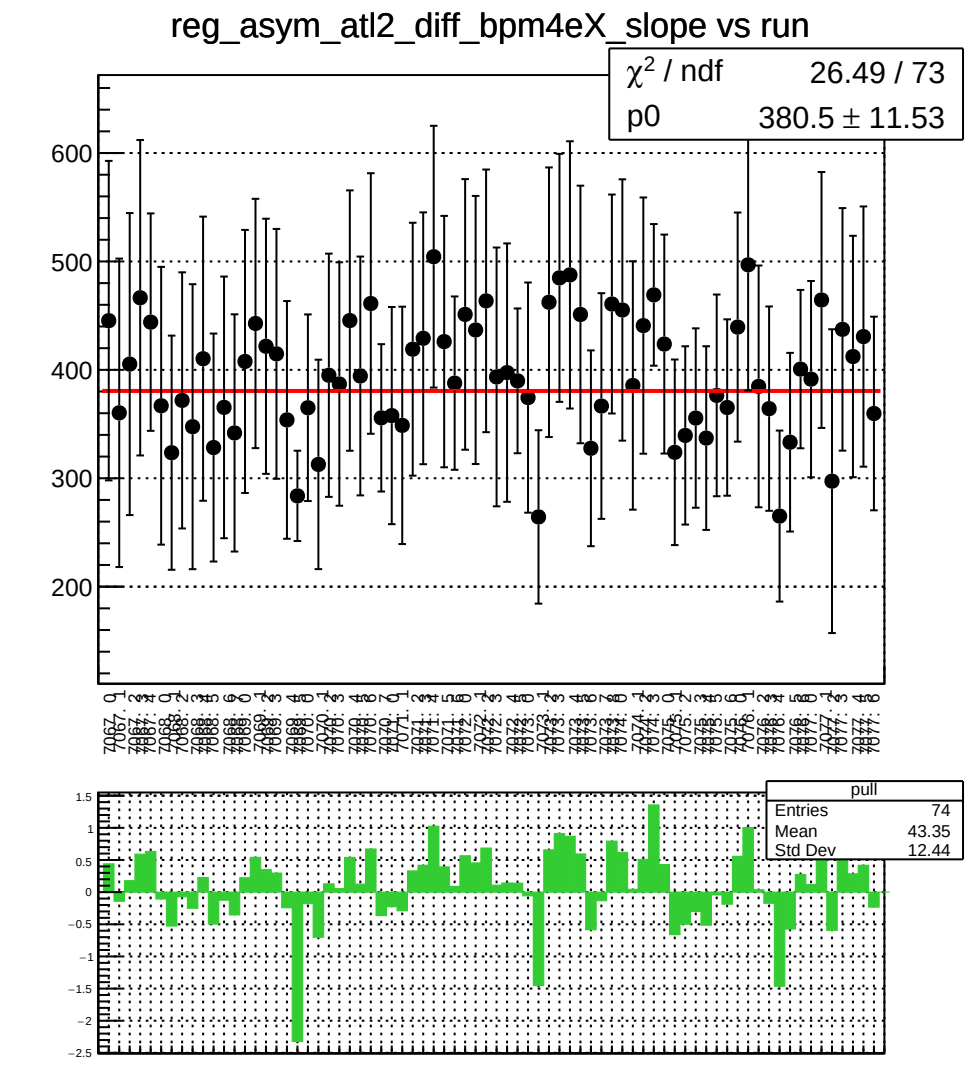

pull1D
Entries 74
Mean 0.021
Std Dev 1.135

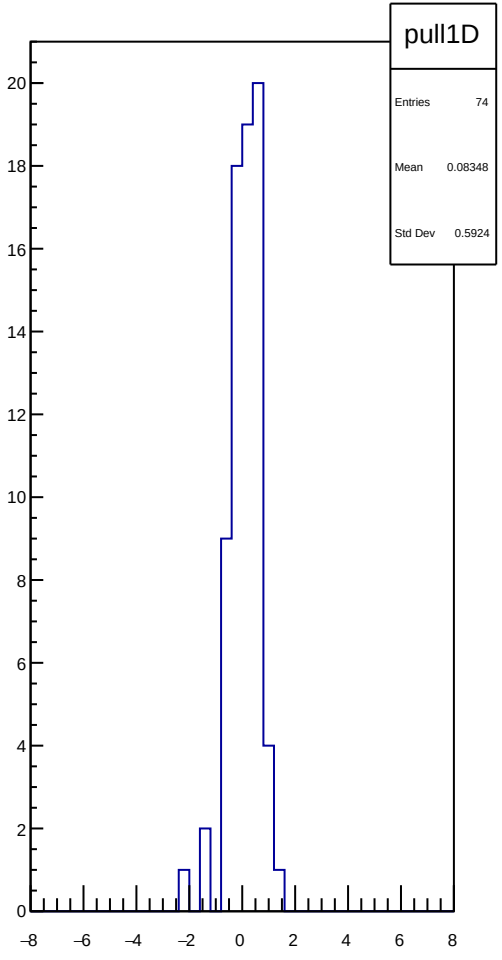

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 26.68 / 73
p0 −461.1± 11.98
pull
Entries 74
Mean 41.42
Std Dev 12.4

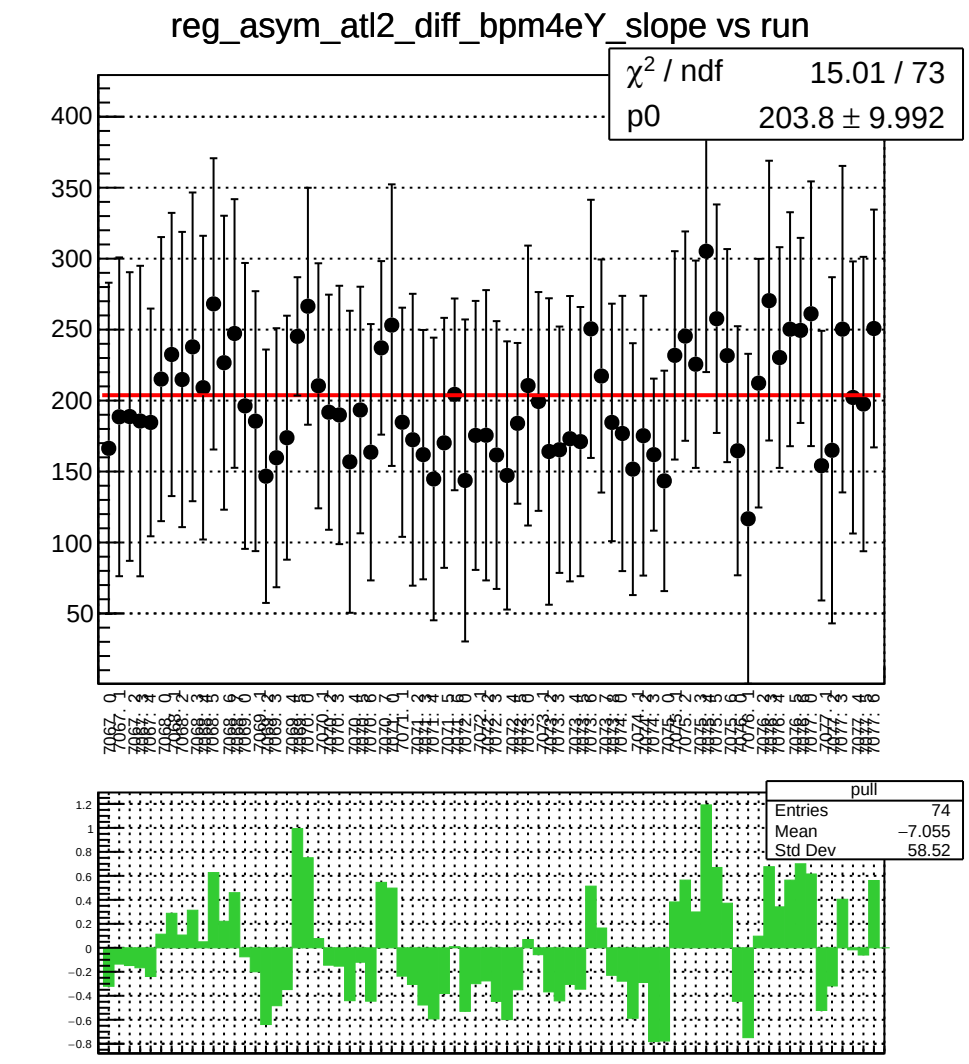

pull1D
Entries 74
Mean −0.08173
Std Dev 0.5948

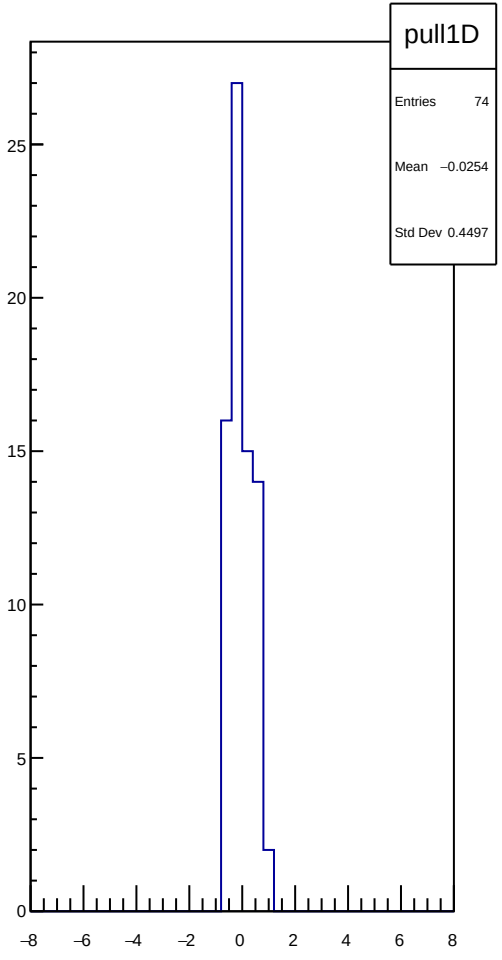

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 12.82 / 73
p0 −37.8 ± 9.616
pull
Entries 74
Mean −6.77
Std Dev 53.83

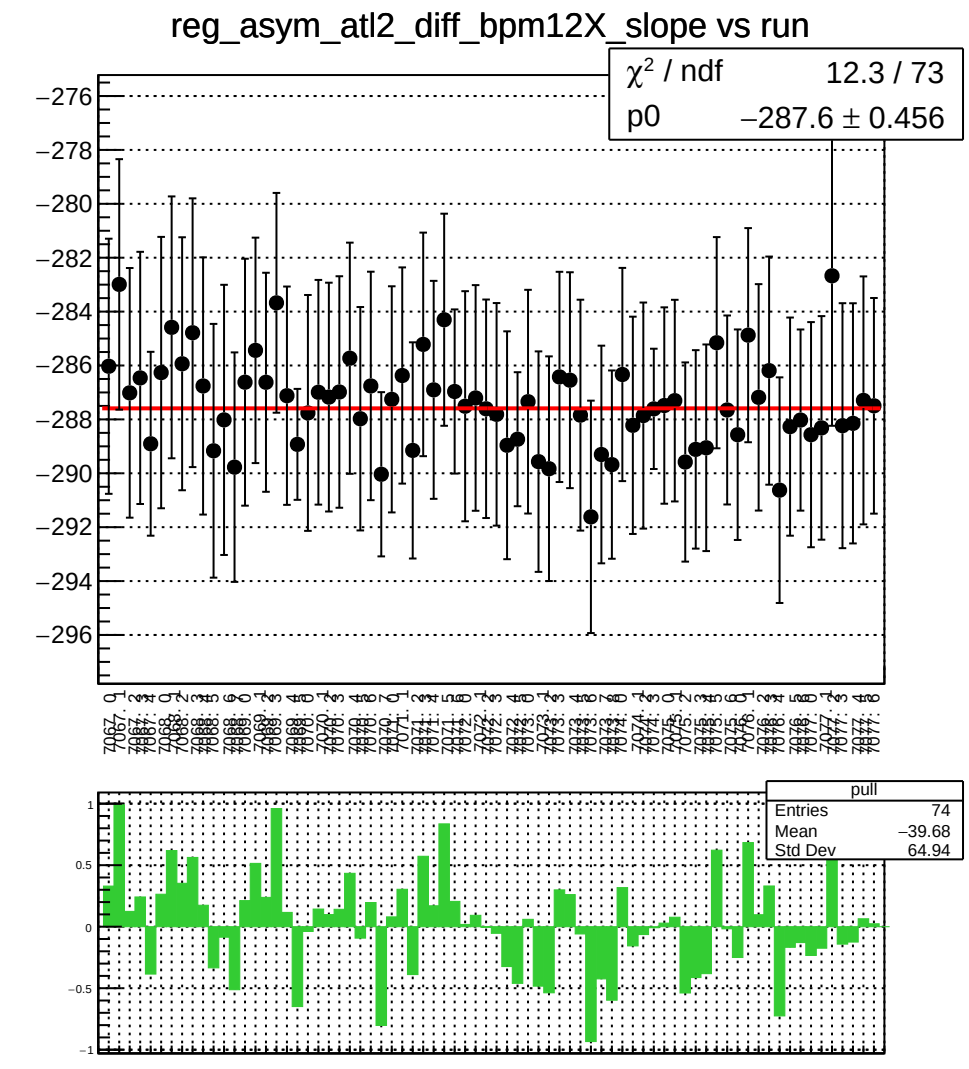

pull1D
Entries 74
Mean 0.02329
Std Dev 0.4156

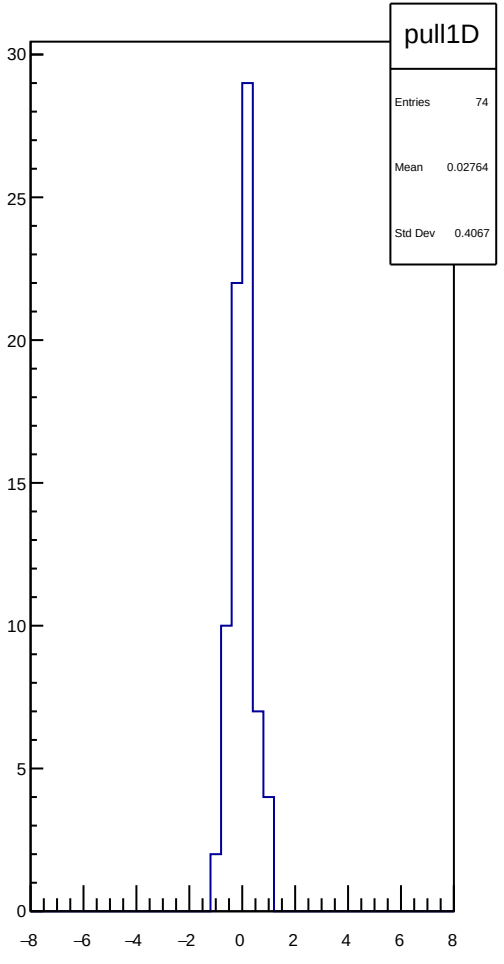

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 26.49 / 73
p0 380.5 ± 11.53
pull
Entries 74
Mean 43.35
Std Dev 12.44

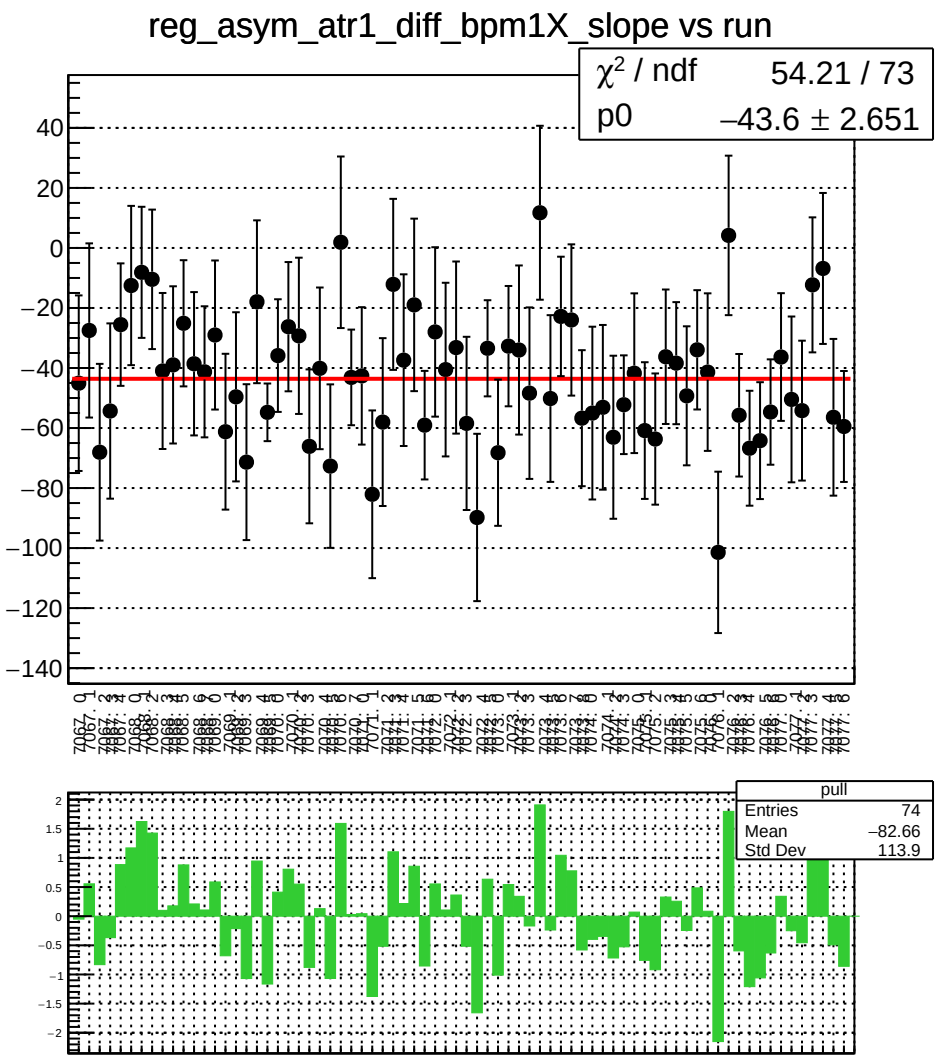

pull1D
Entries 74
Mean 0.08348
Std Dev 0.5924

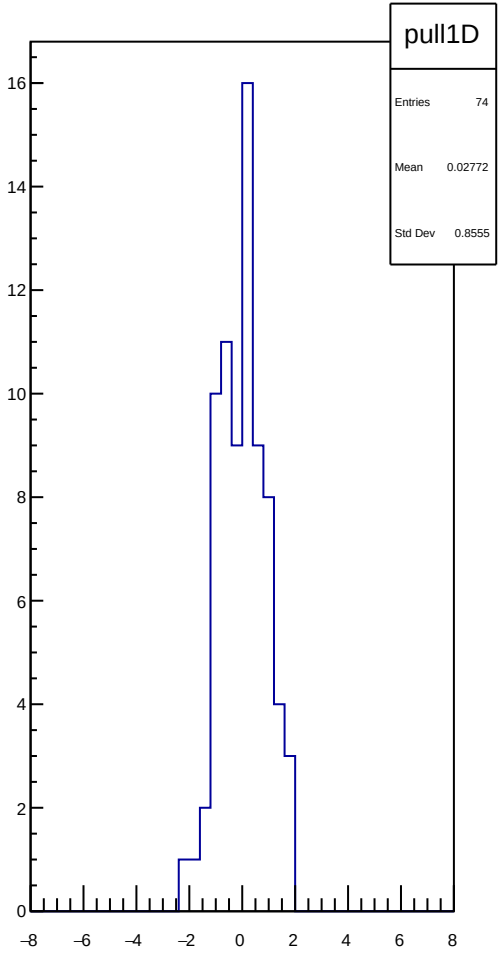

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 15.01 / 73
p0 203.8 ± 9.992
pull
Entries 74
Mean −7.055
Std Dev 58.52

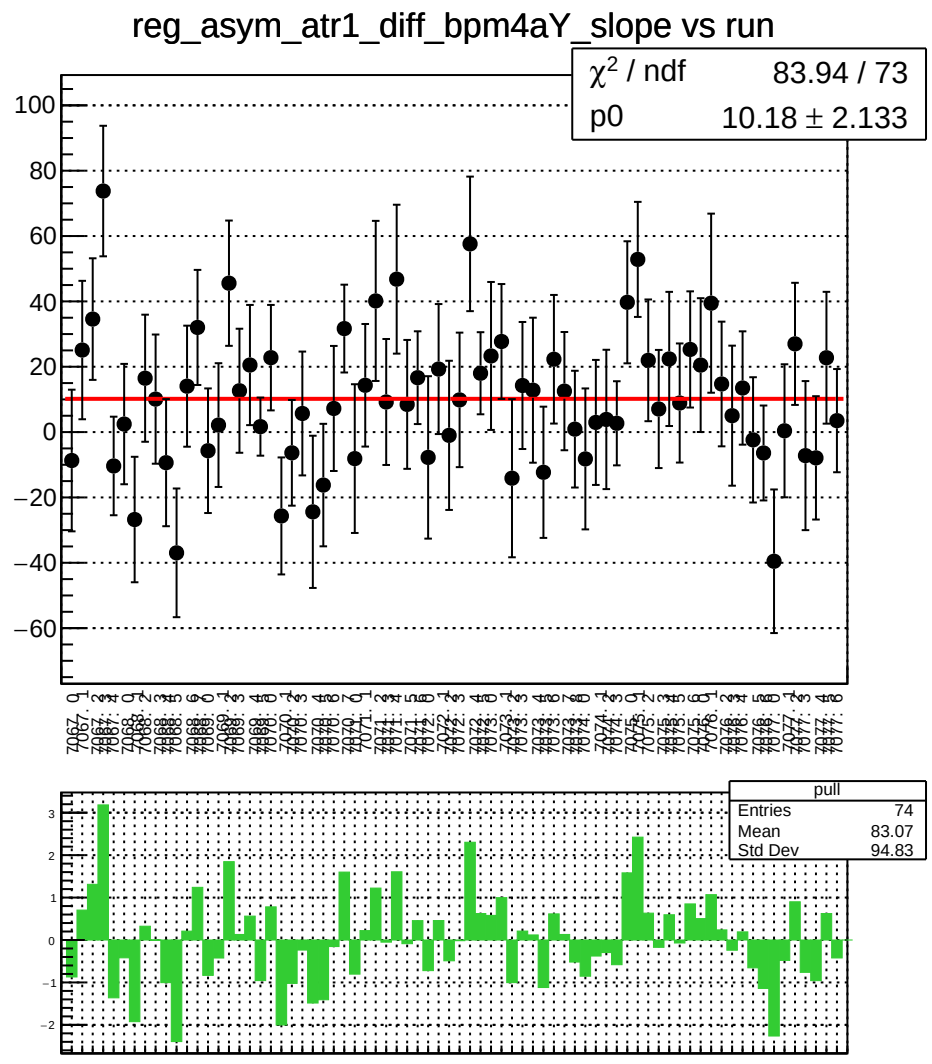

pull1D
Entries 74
Mean −0.0254
Std Dev 0.4497

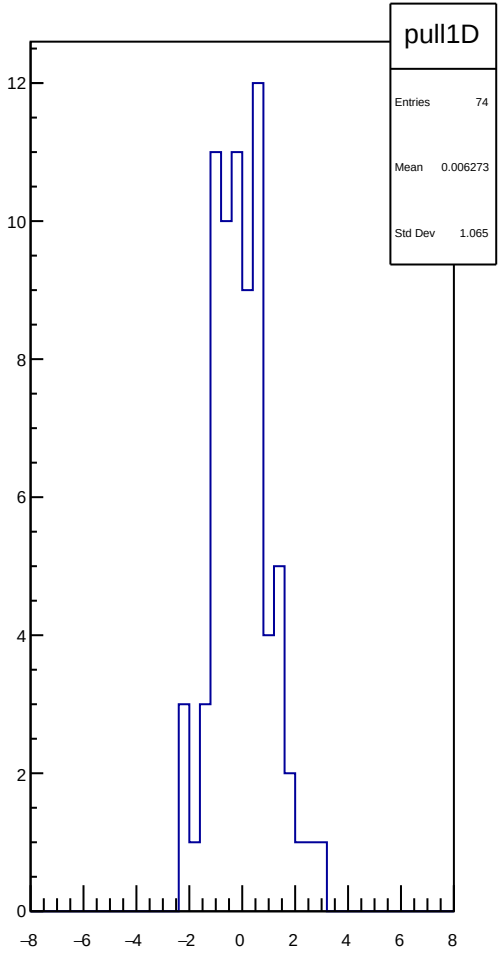

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 12.3 / 73
p0 −287.6 ± 0.456
pull
Entries 74
Mean −39.68
Std Dev 64.94

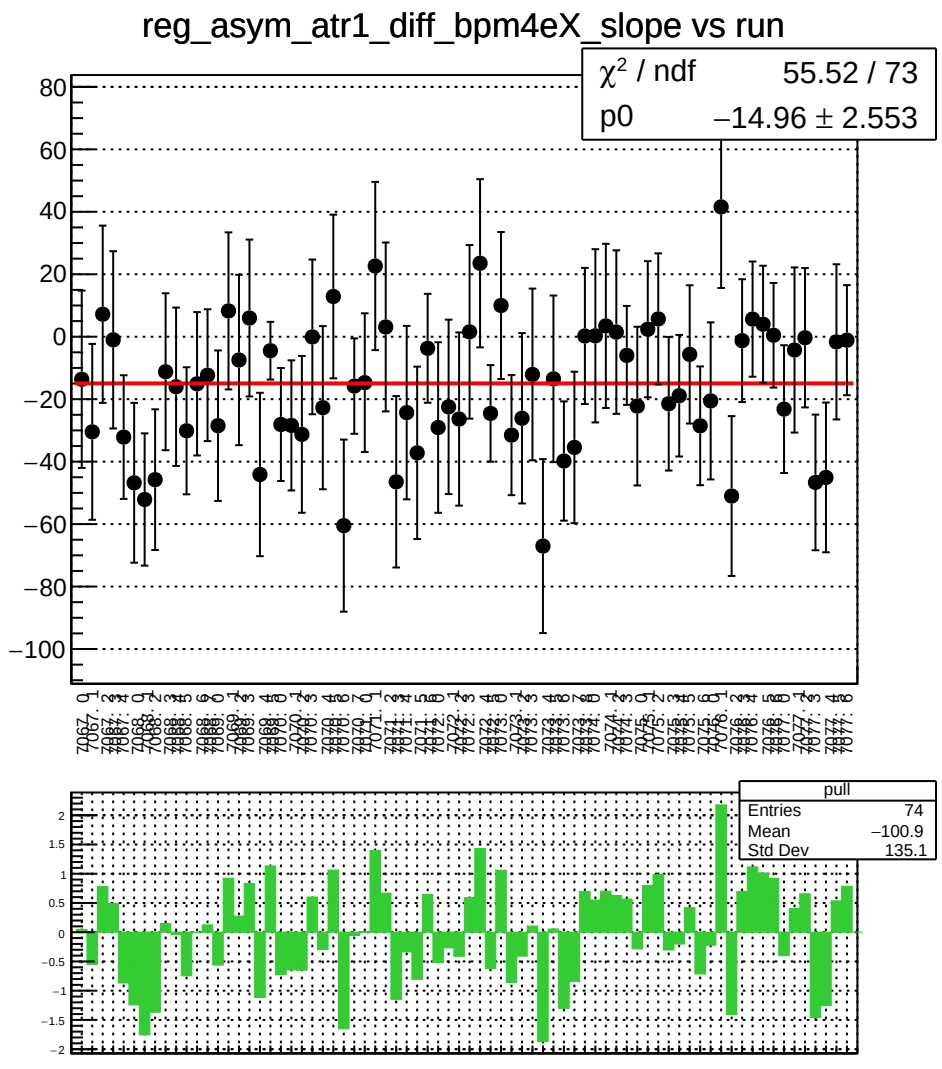

pull1D
Entries 74
Mean 0.02764
Std Dev 0.4067

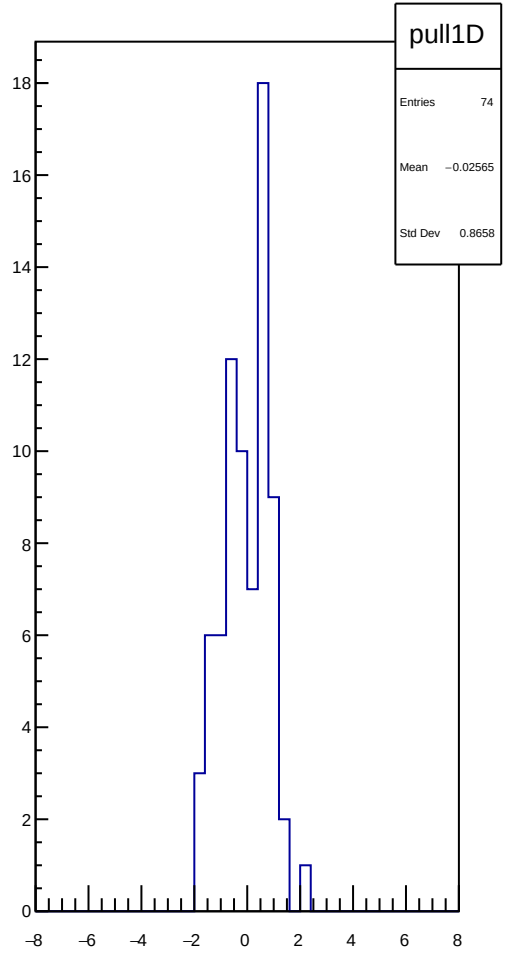

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 54.21 / 73
p0 –43.6 ± 2.651
pull
Entries 74
Mean –82.66
Std Dev 113.9

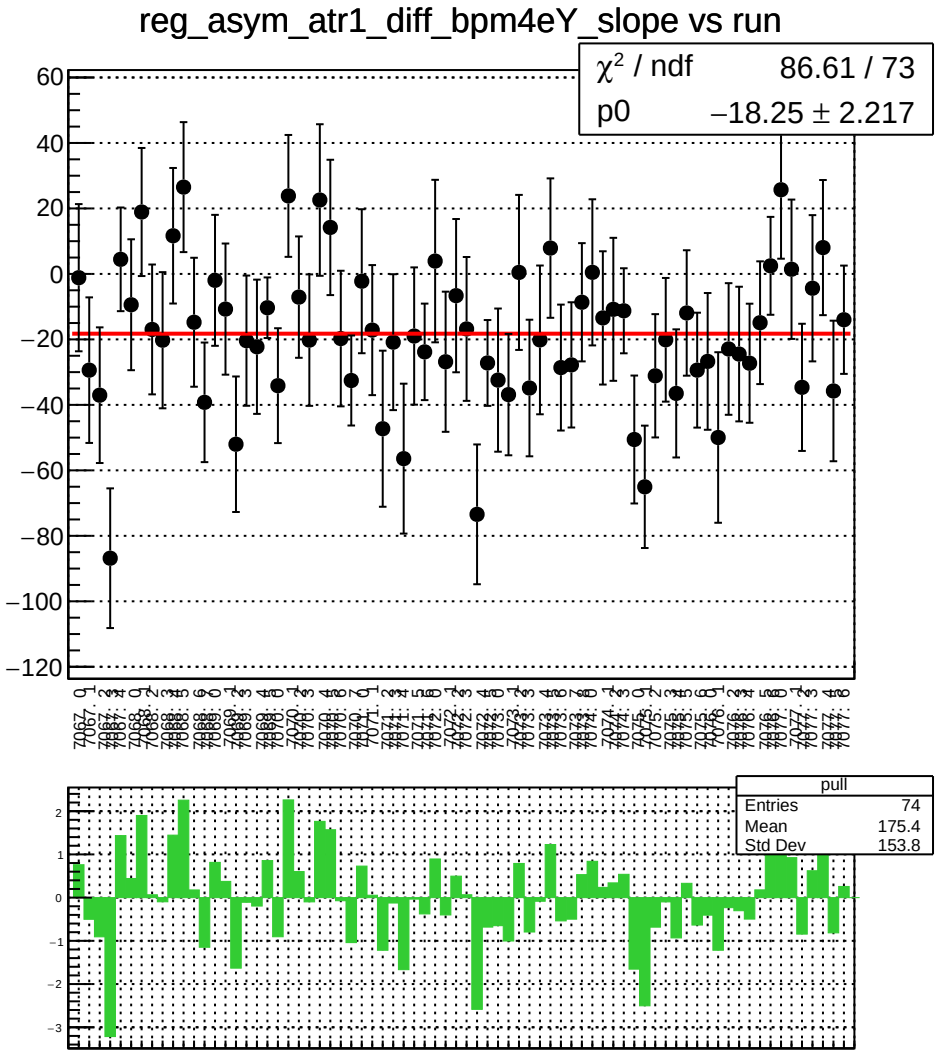

pull1D
Entries 74
Mean 0.02772
Std Dev 0.8555

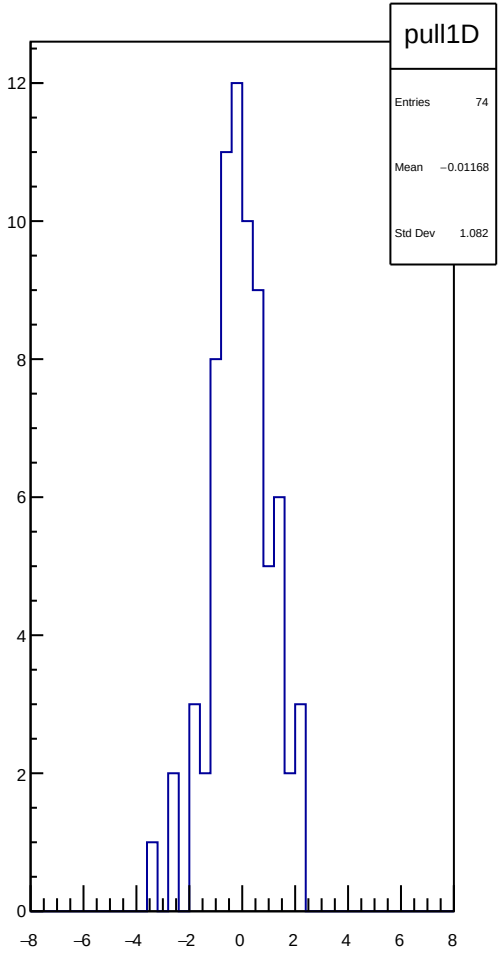

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 83.94 / 73
p0 10.18 ± 2.133
pull
Entries 74
Mean 83.07
Std Dev 94.83

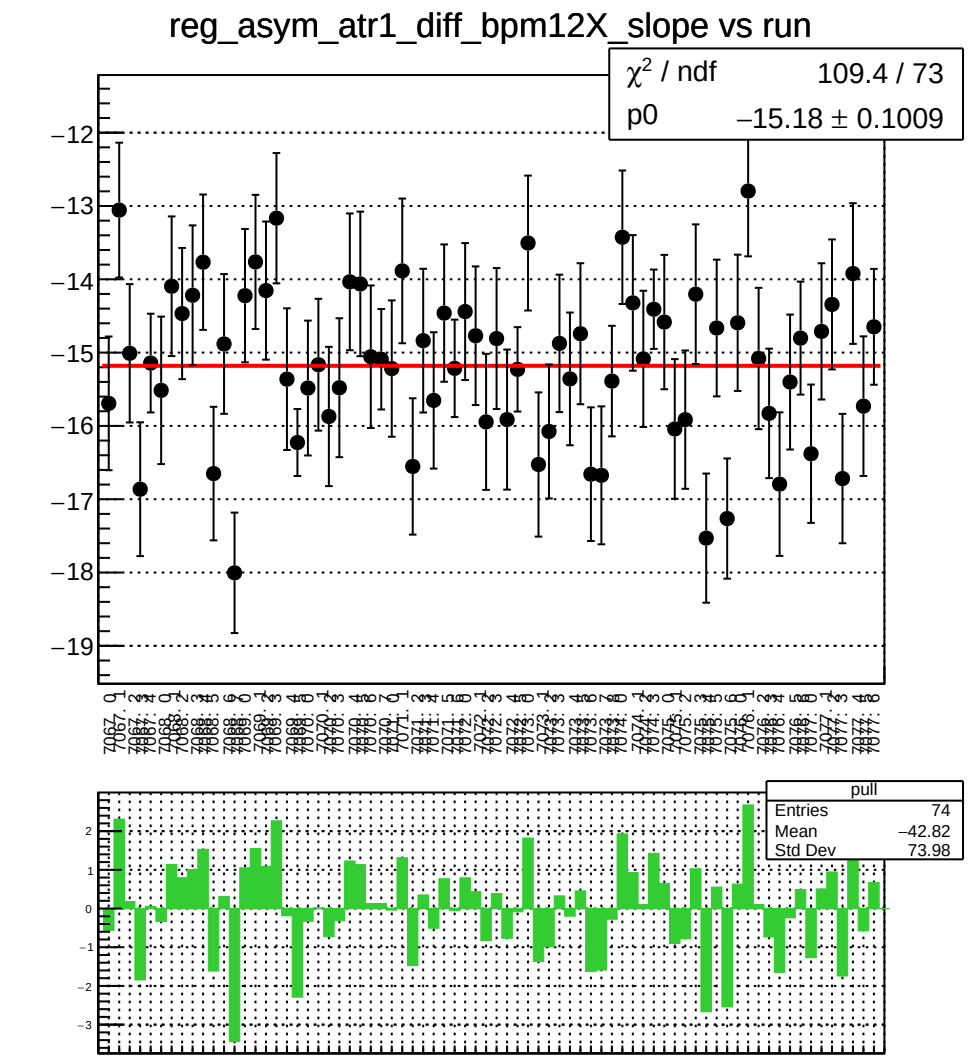

pull1D
Entries 74
Mean 0.006273
Std Dev 1.065

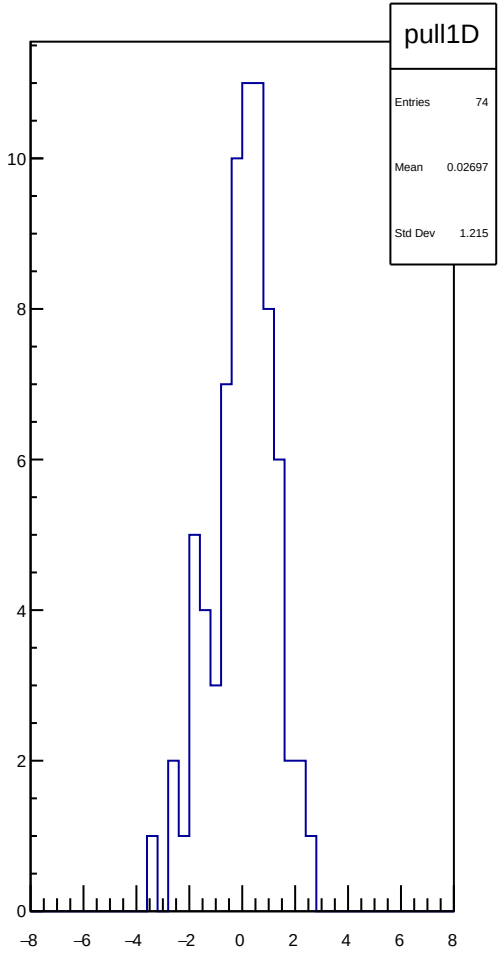

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 55.52 / 73
p0 −14.96 ± 2.553
pull
Entries 74
Mean −100.9
Std Dev 135.1

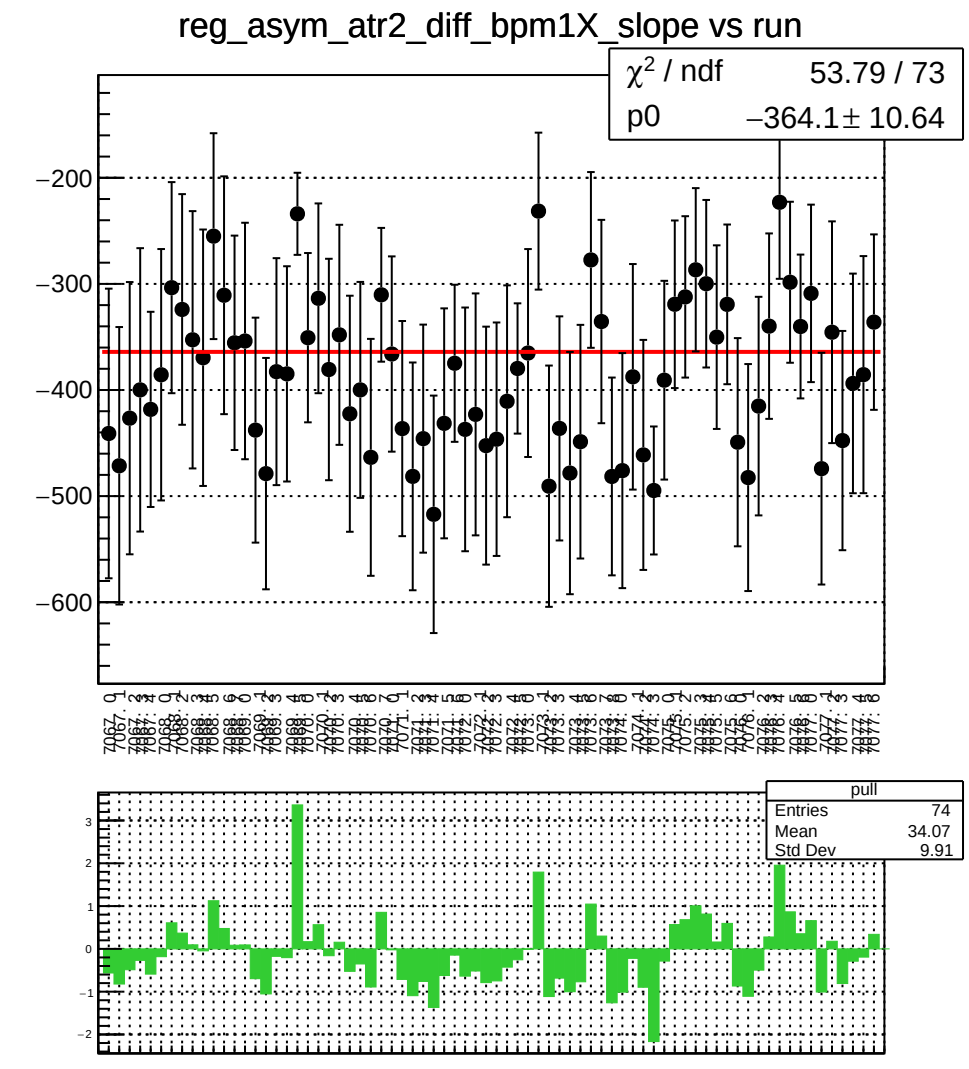

pull1D
Entries 74
Mean −0.02565
Std Dev 0.8658

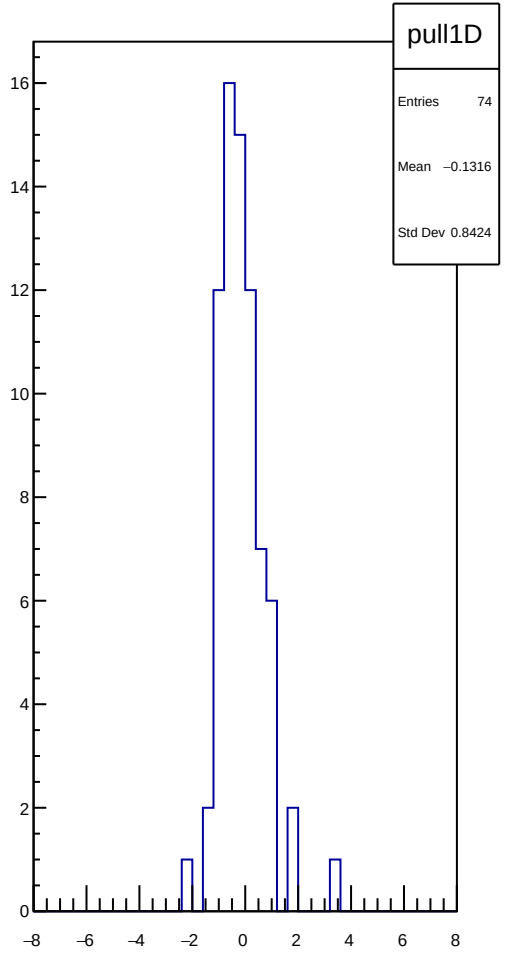

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 86.61 / 73
p0 −18.25 ± 2.217
pull
Entries 74
Mean 175.4
Std Dev 153.8

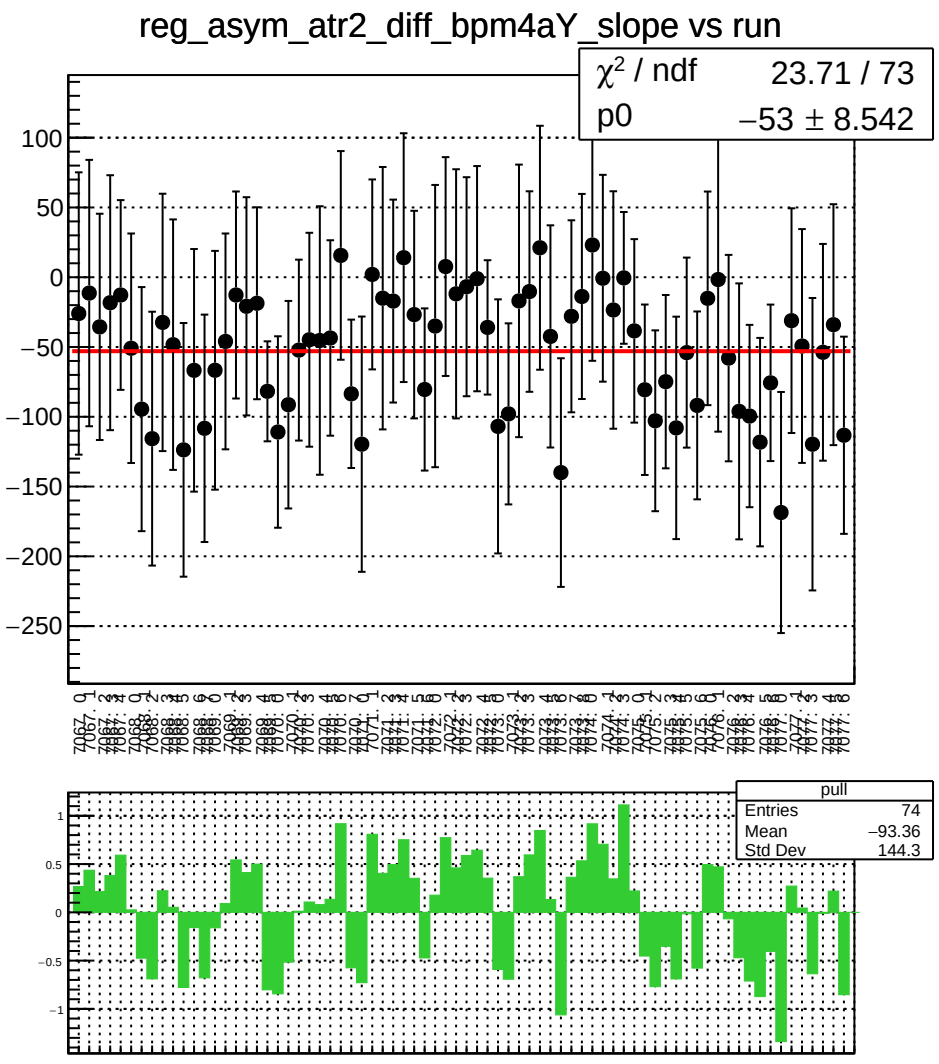

pull1D
Entries 74
Mean −0.01168
Std Dev 1.082

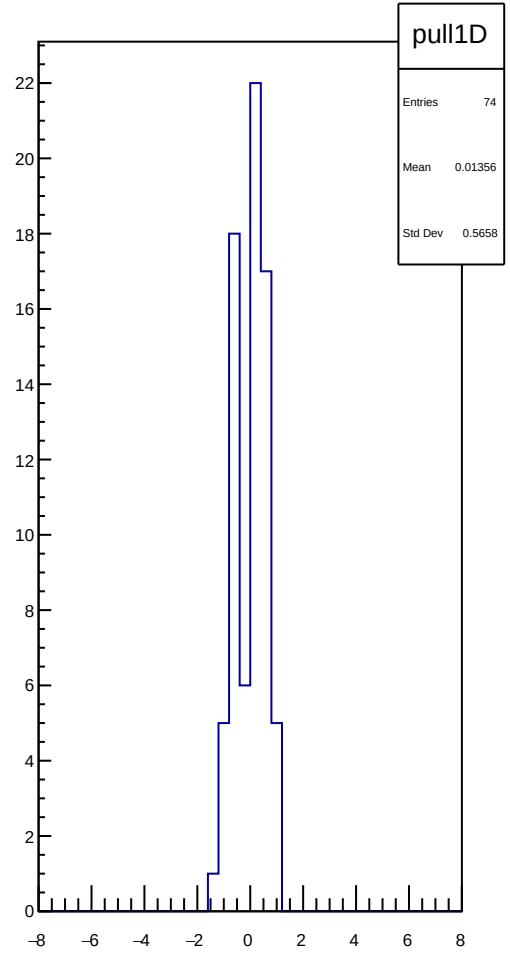

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 109.4 / 73
p0 −15.18 ± 0.1009
pull
Entries 74
Mean −42.82
Std Dev 73.98

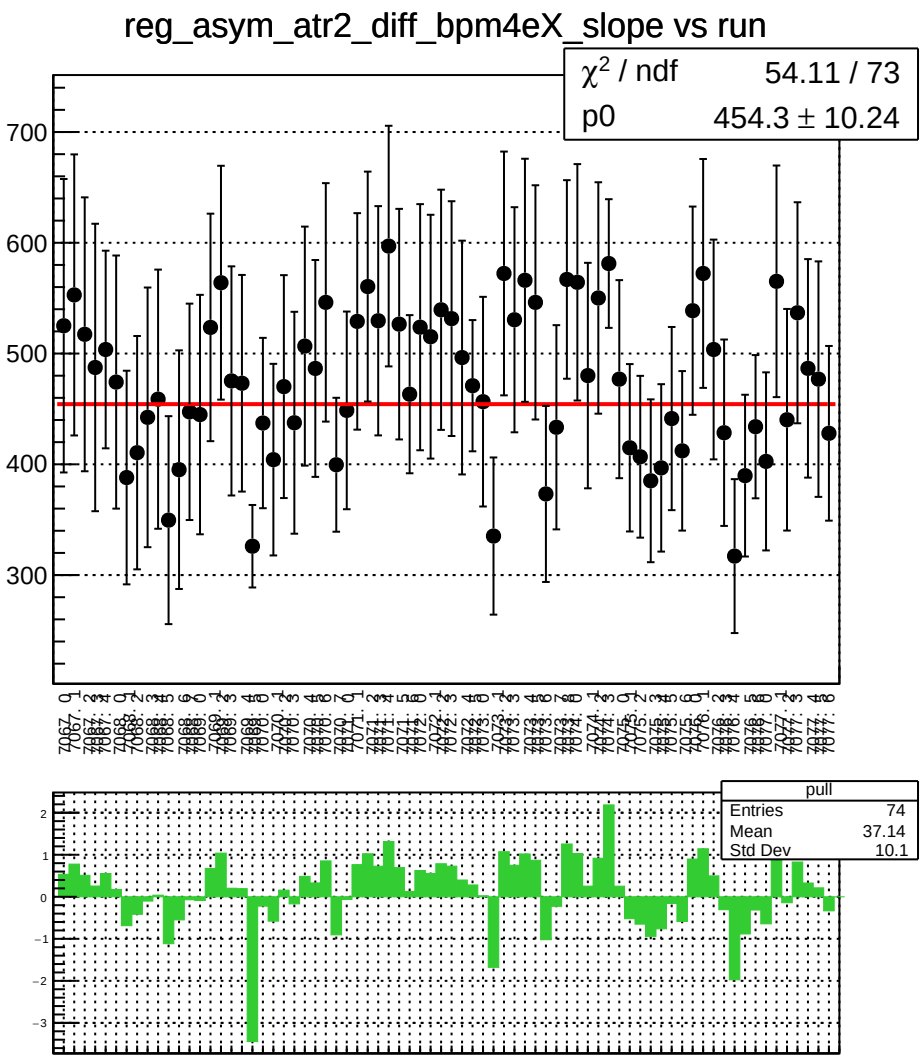

pull1D
Entries 74
Mean 0.02697
Std Dev 1.215

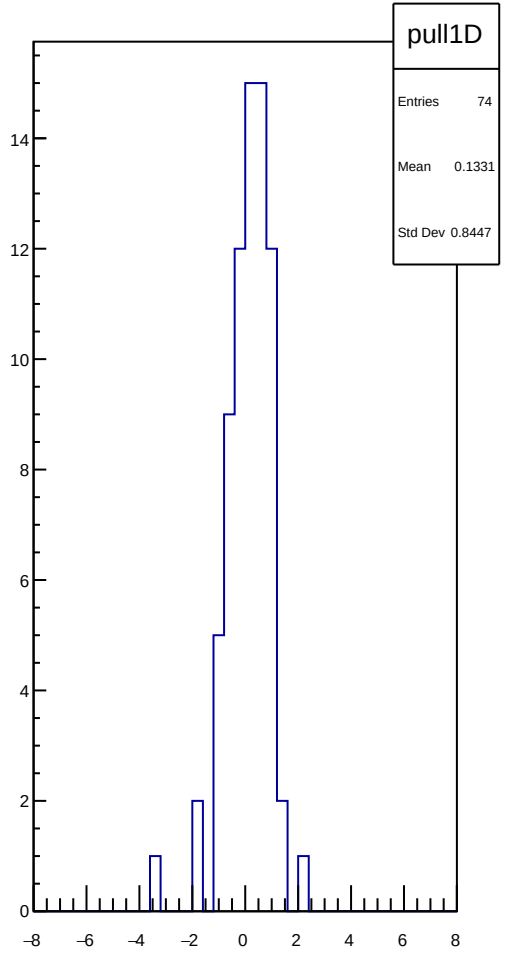

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 53.79 / 73
p0 −364.1± 10.64
−200
−300
−400
−500
−600
pull
Entries 74
Mean 34.07
Std Dev 9.91
3
2
1
0
−1
−2

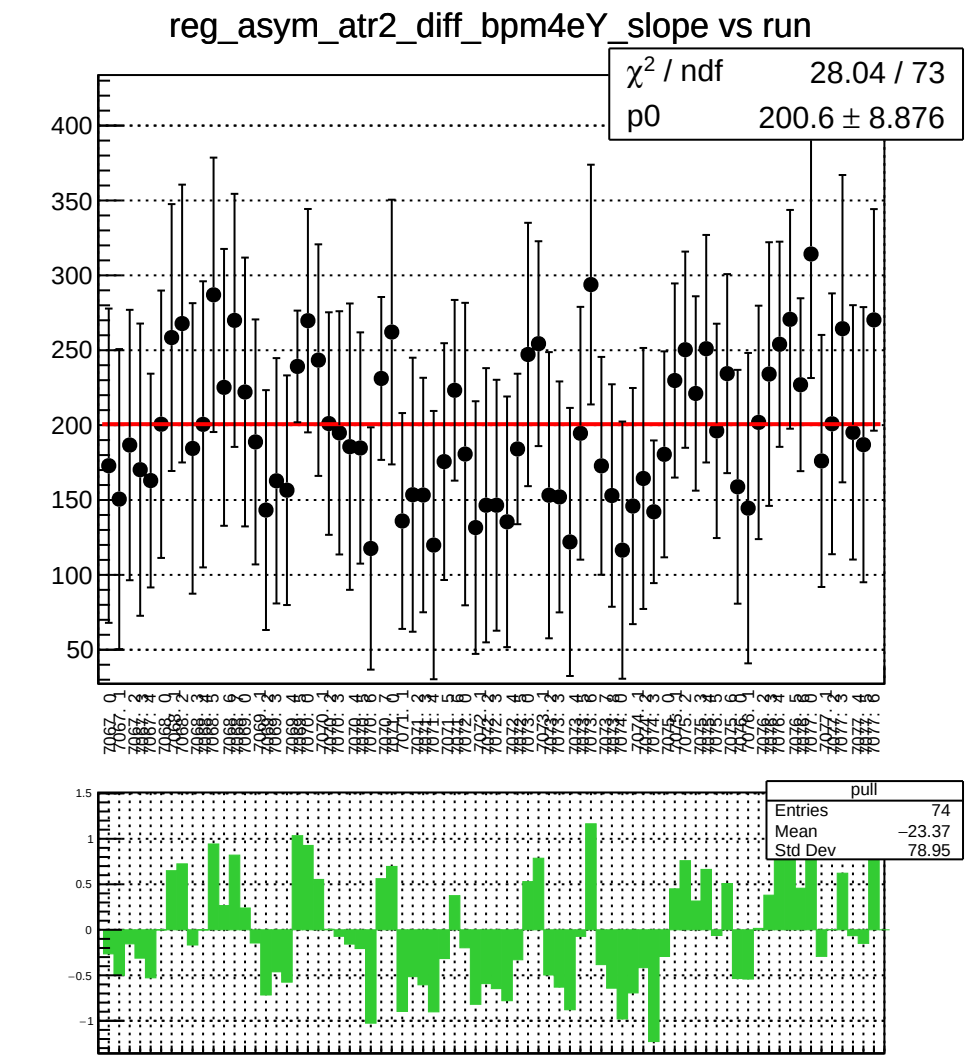

pull1D
Entries 74
Mean −0.1316
Std Dev 0.8424
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

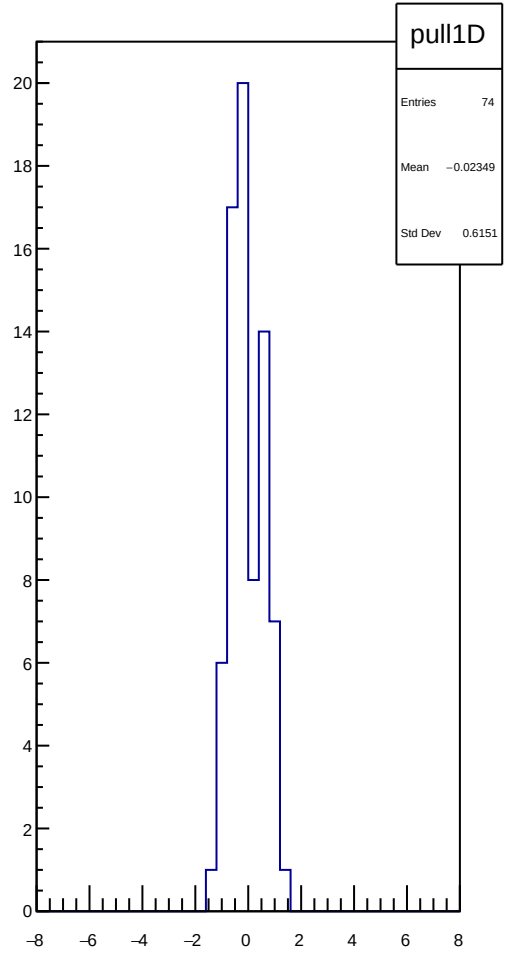

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 23.71 / 73
p0 −53 ± 8.542
pull
Entries 74
Mean −93.36
Std Dev 144.3

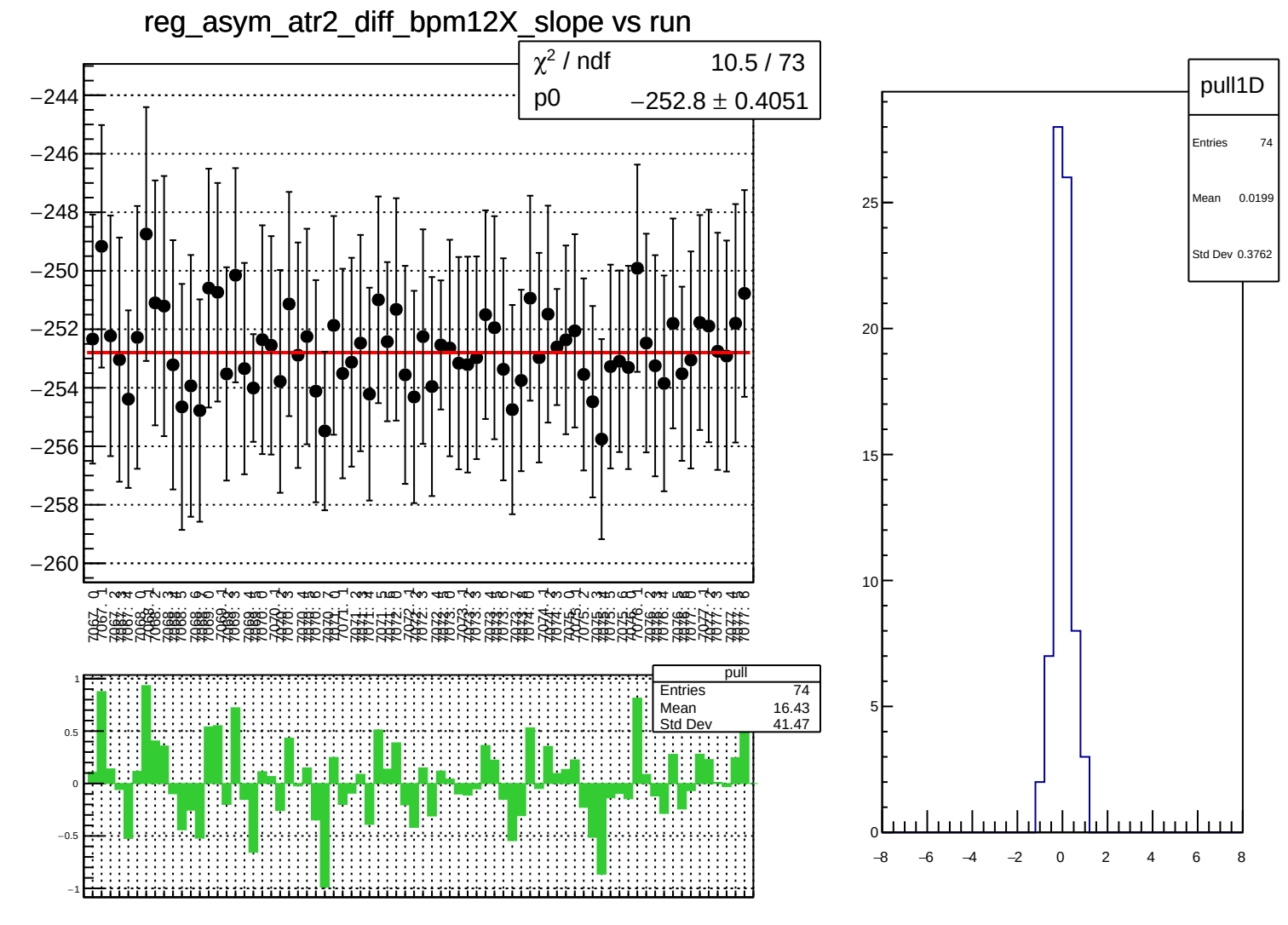

pull1D
Entries 74
Mean 0.01356
Std Dev 0.5658

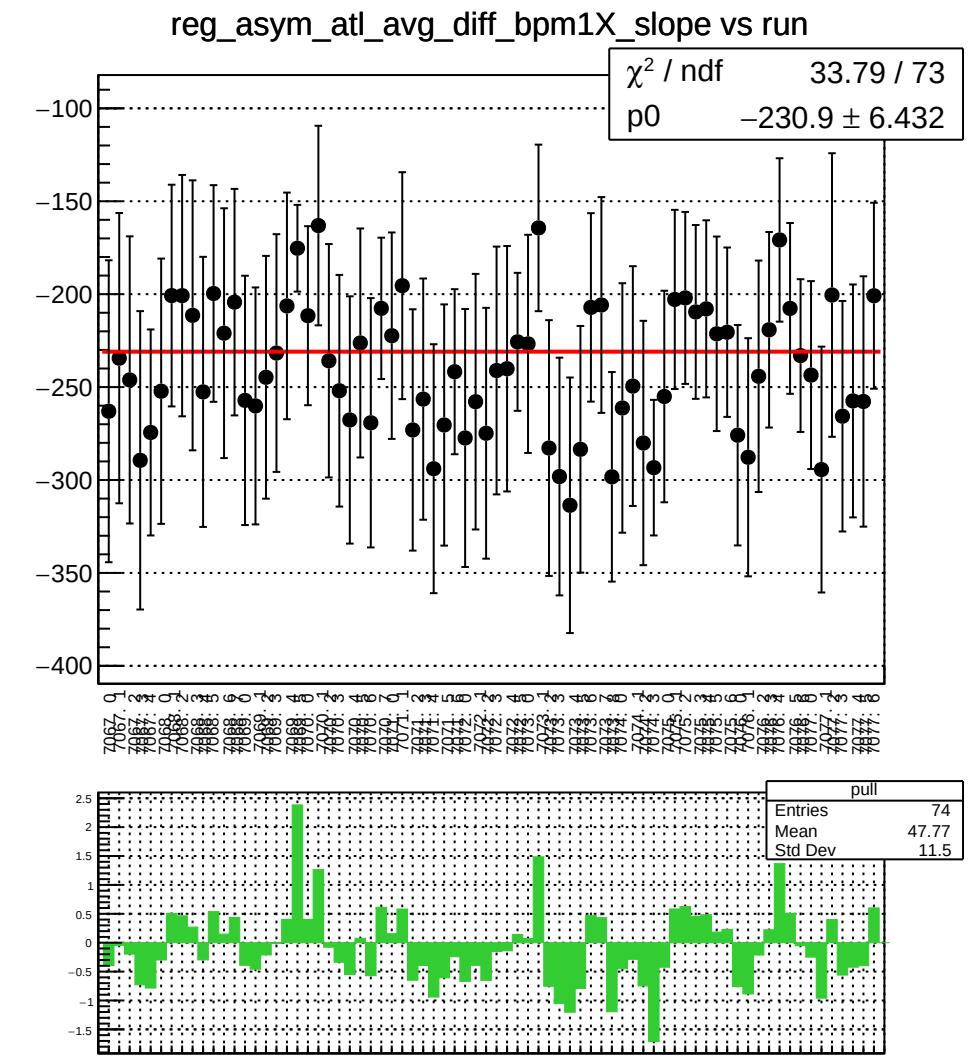

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 54.11 / 73
p0 454.3 ± 10.24
700
600
500
400
300
pull
Entries 74
Mean 37.14
Std Dev 10.1
2
1
0
−1
−2
−3

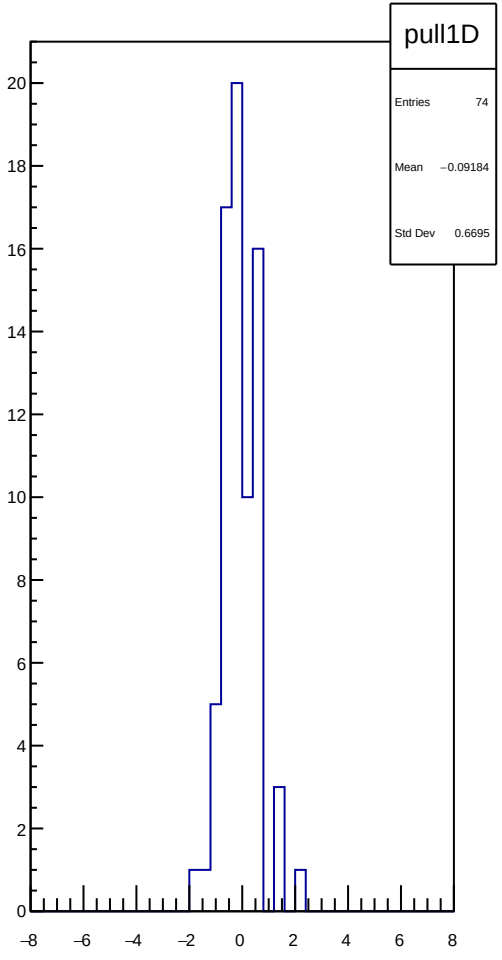

pull1D
Entries 74
Mean 0.1331
Std Dev 0.8447
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

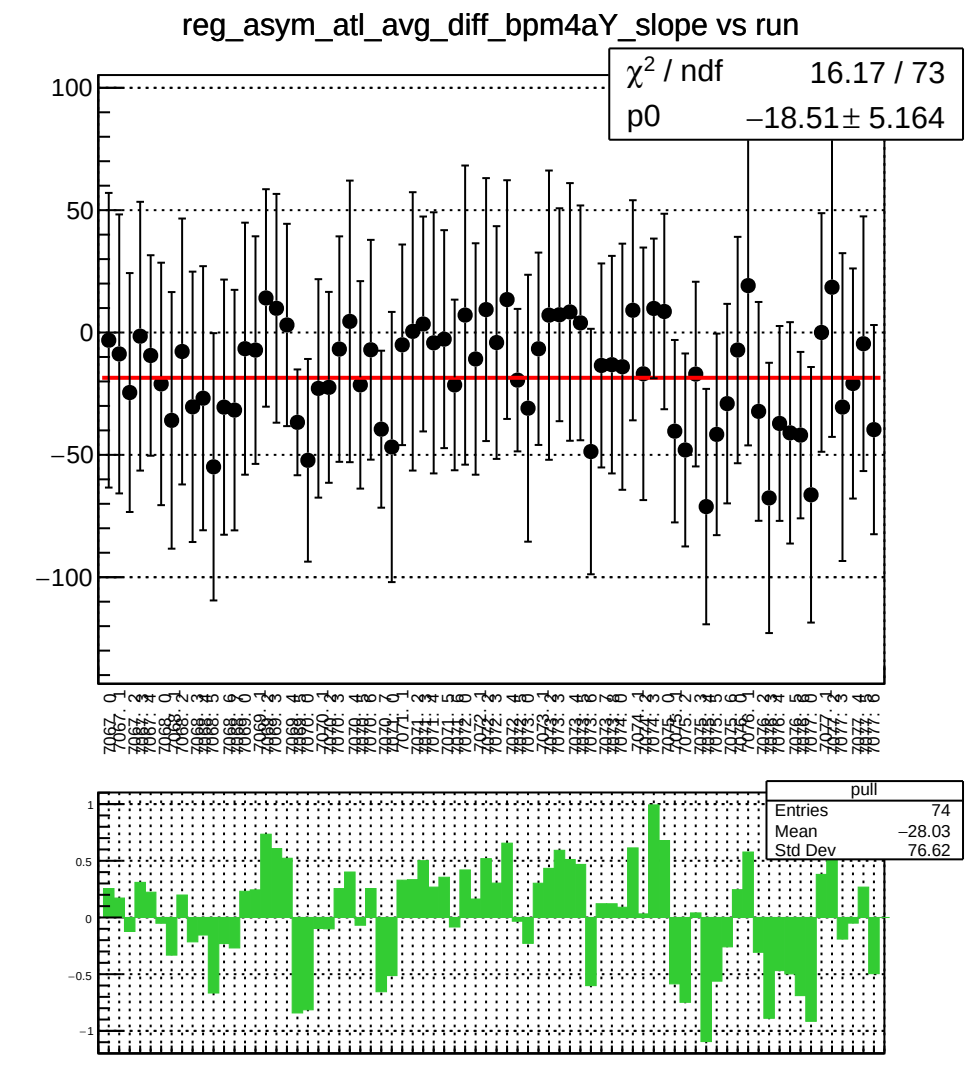

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 28.04 / 73
p0 200.6 ± 8.876
pull
Entries 74
Mean −23.37
Std Dev 78.95

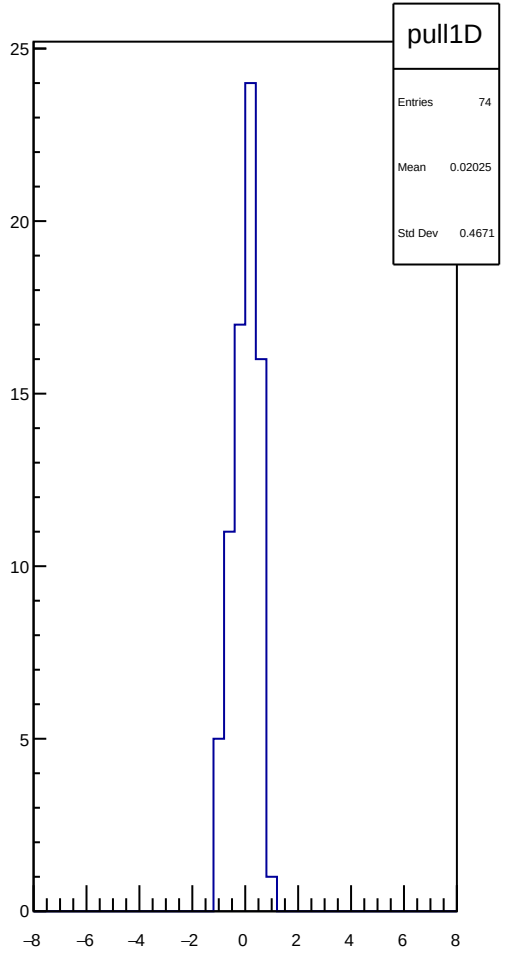

pull1D
Entries 74
Mean −0.02349
Std Dev 0.6151

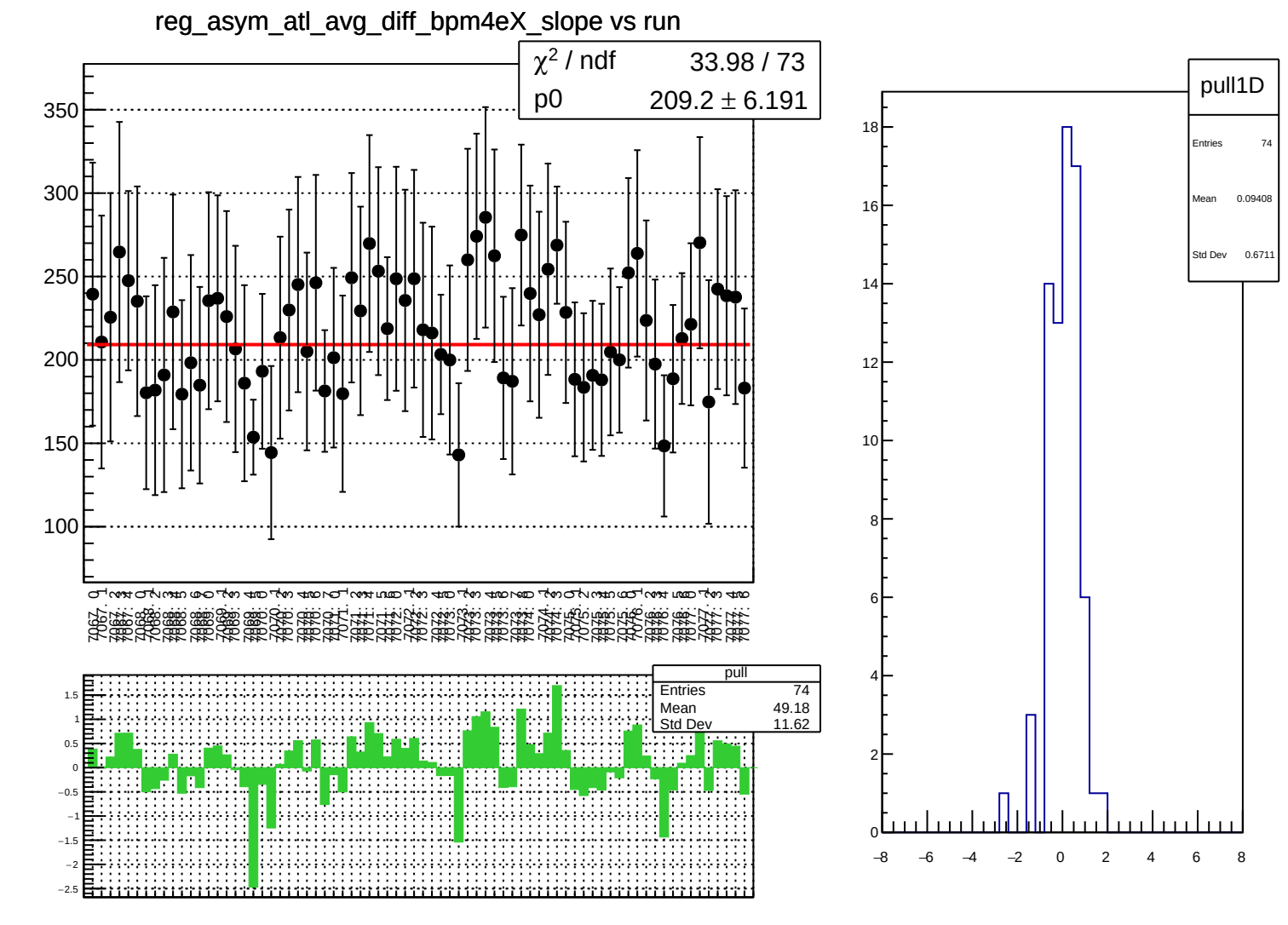

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 10.5 / 73
p0 −252.8 ± 0.4051
pull
Entries 74
Mean 16.43
Std Dev 41.47
pull1D
Entries 74
Mean 0.0199
Std Dev 0.3762

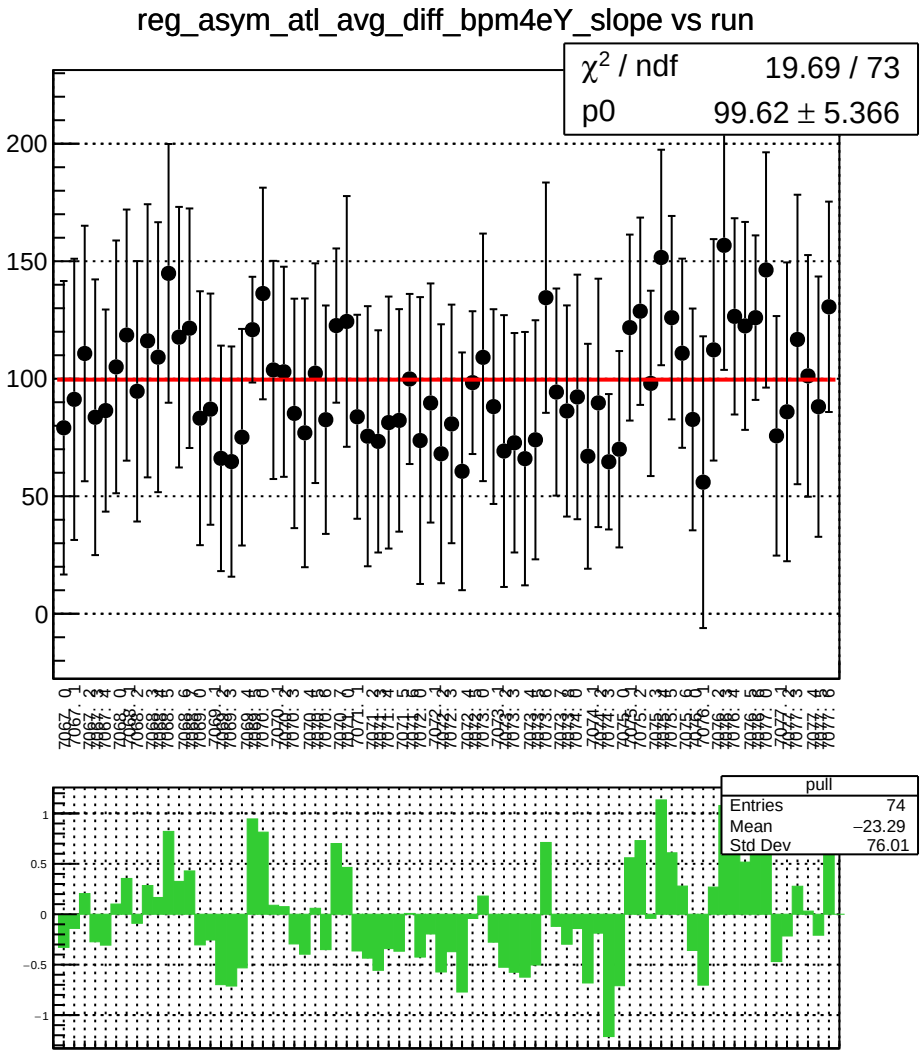

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 33.79 / 73
p0 −230.9 ± 6.432
pull
Entries 74
Mean 47.77
Std Dev 11.5

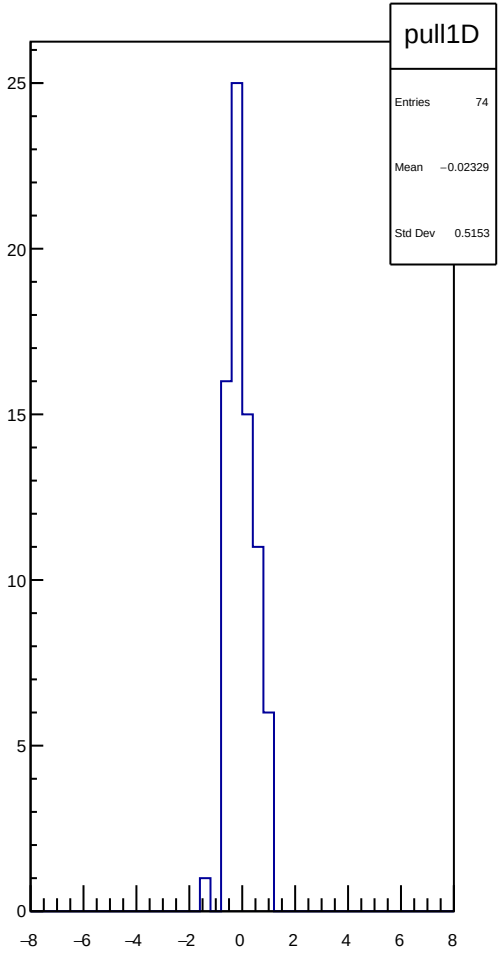

pull1D
Entries 74
Mean −0.09184
Std Dev 0.6695

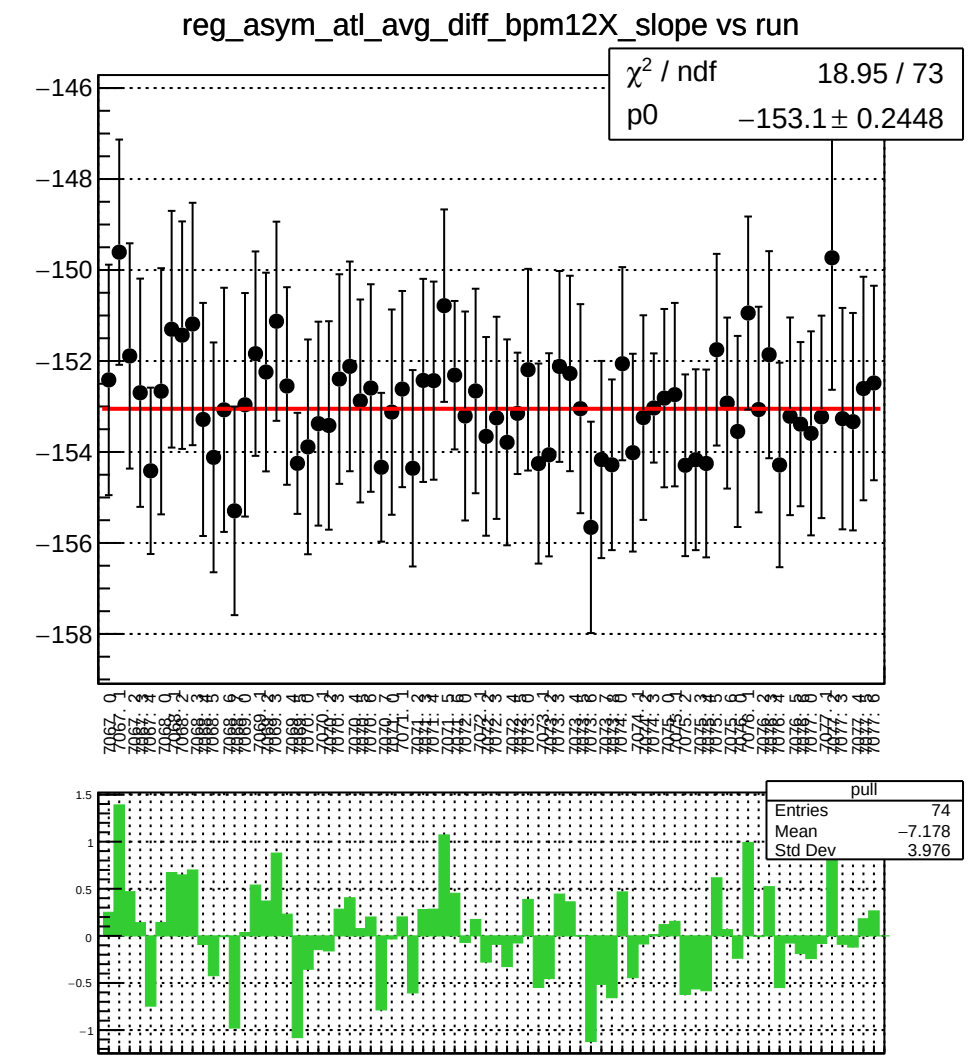

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.17 / 73
p0 −18.51 ± 5.164
100
50
0
−50
−100
pull
Entries 74
Mean −28.03
Std Dev 76.62
1
0.5
0
−0.5
−1

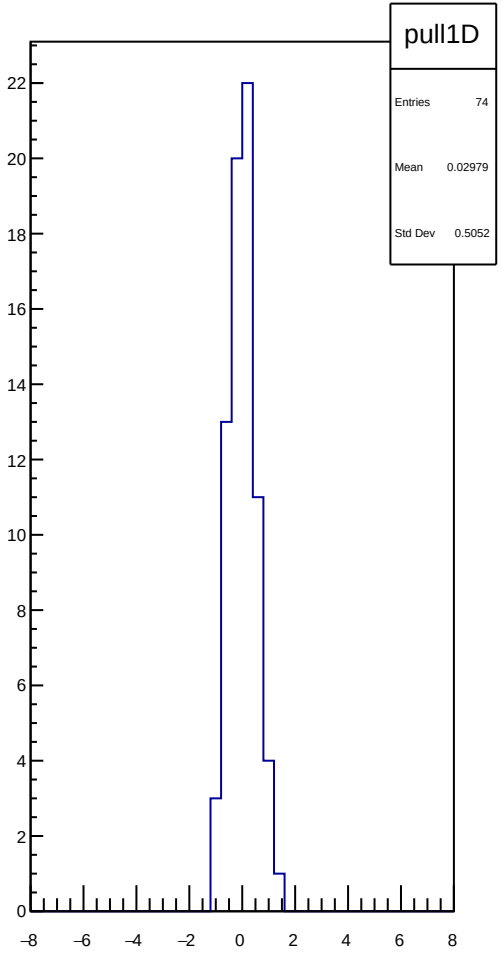

pull1D
Entries 74
Mean 0.02025
Std Dev 0.4671
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

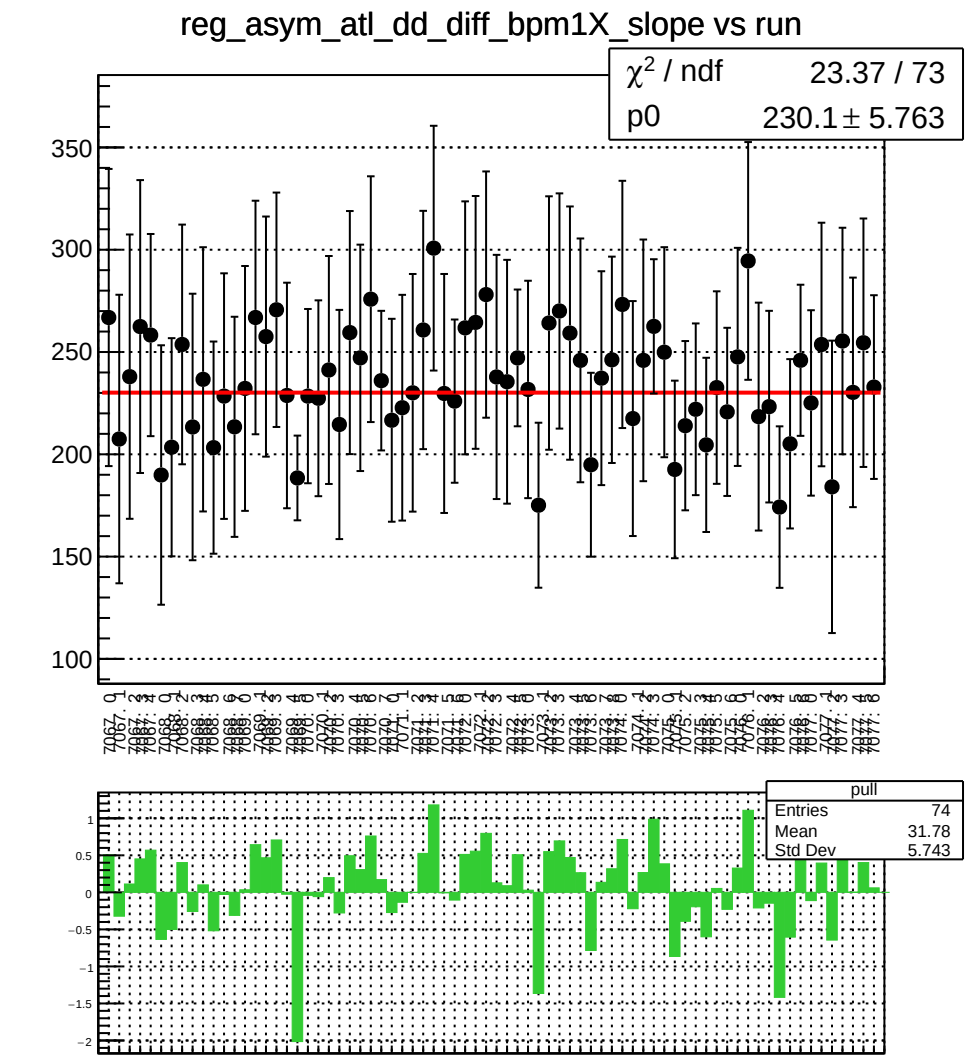

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.98 / 73
p0 209.2 ± 6.191
pull
Entries 74
Mean 49.18
Std Dev 11.62
pull1D
Entries 74
Mean 0.09408
Std Dev 0.6711

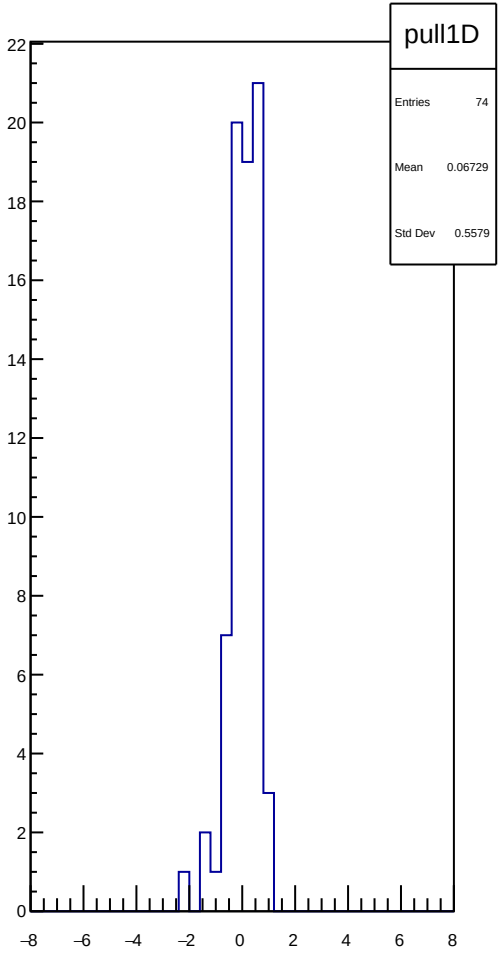

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.69 / 73
p0 99.62 ± 5.366
pull
Entries 74
Mean −23.29
Std Dev 76.01

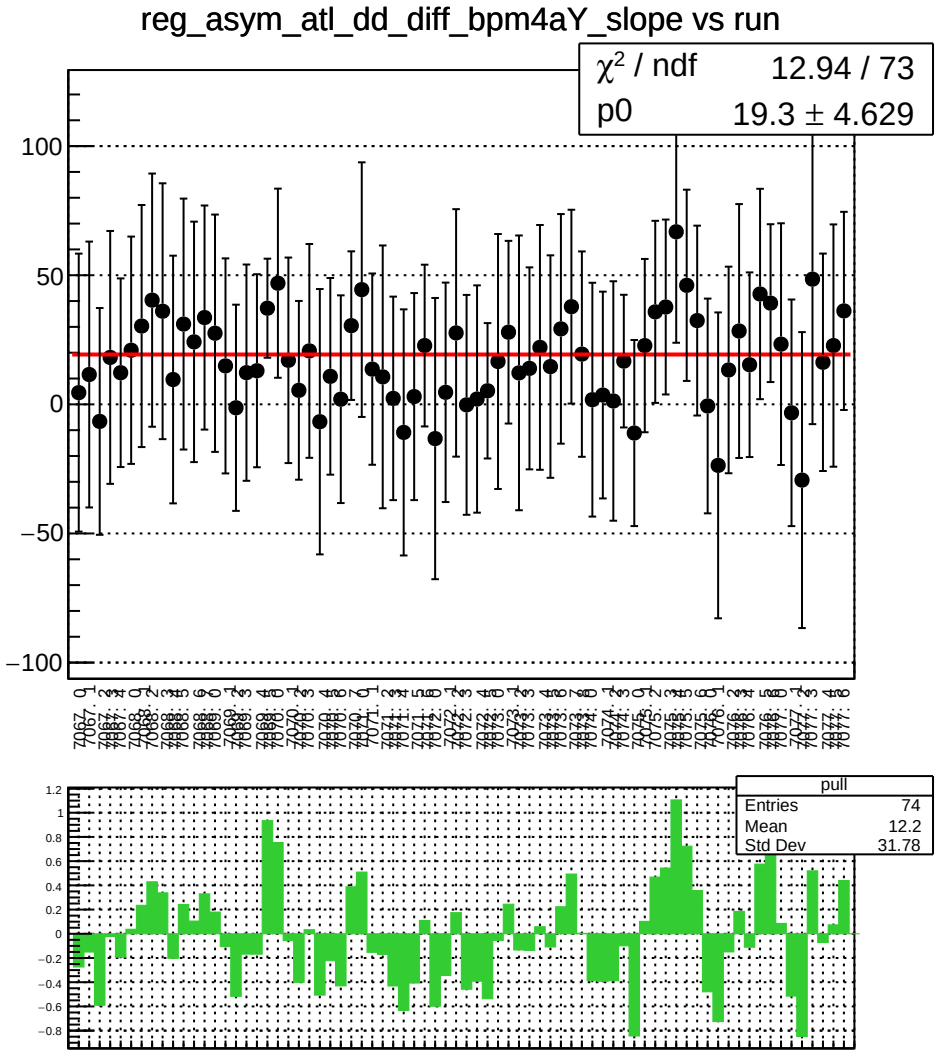

pull1D
Entries 74
Mean −0.02329
Std Dev 0.5153

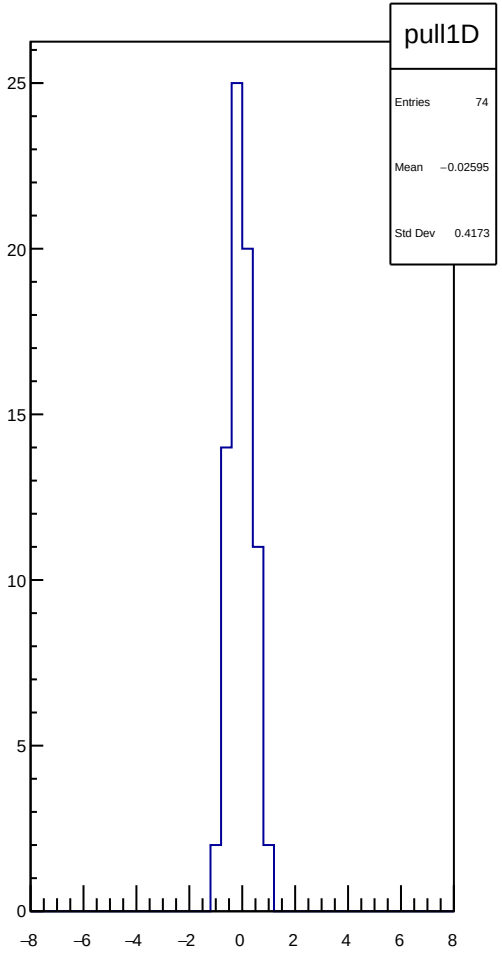

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 18.95 / 73
p0 −153.1 ± 0.2448
pull
Entries 74
Mean −7.178
Std Dev 3.976

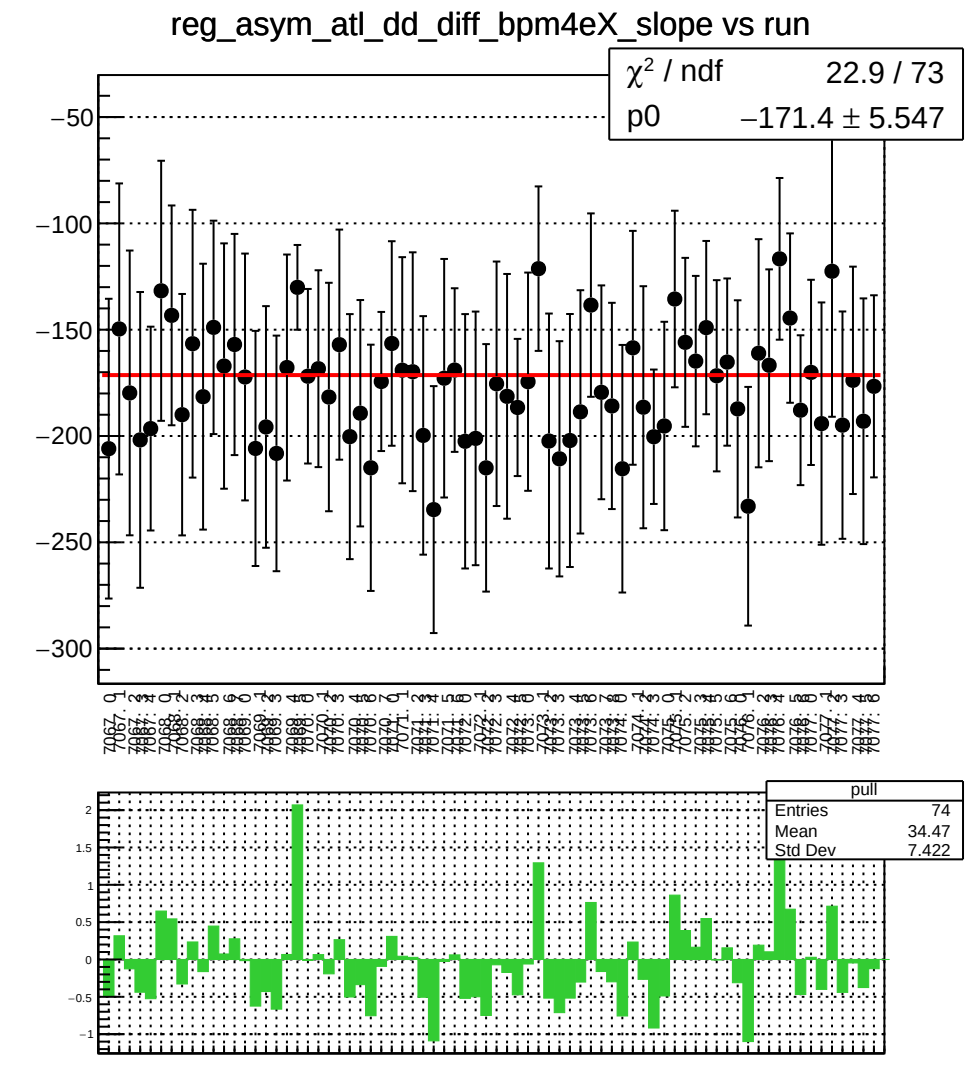

pull1D
Entries 74
Mean 0.02979
Std Dev 0.5052

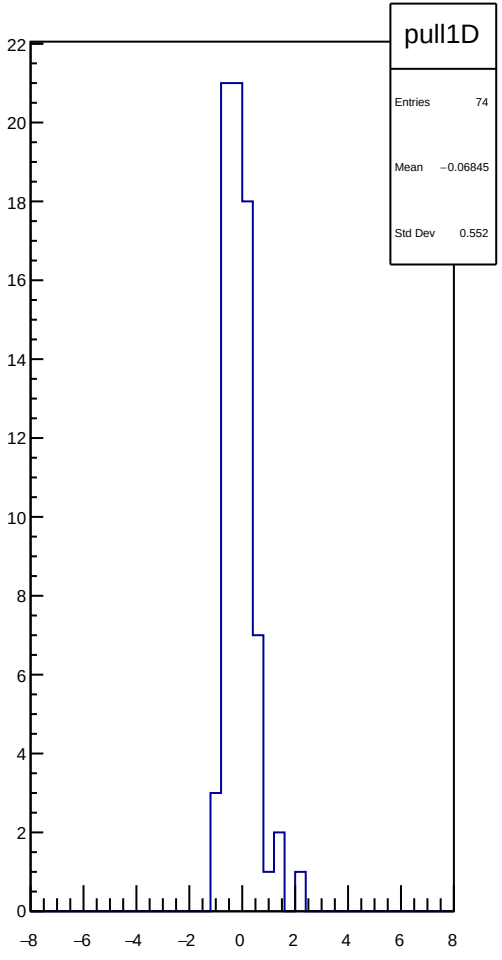

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 23.37 / 73
p0 230.1 ± 5.763
pull
Entries 74
Mean 31.78
Std Dev 5.743

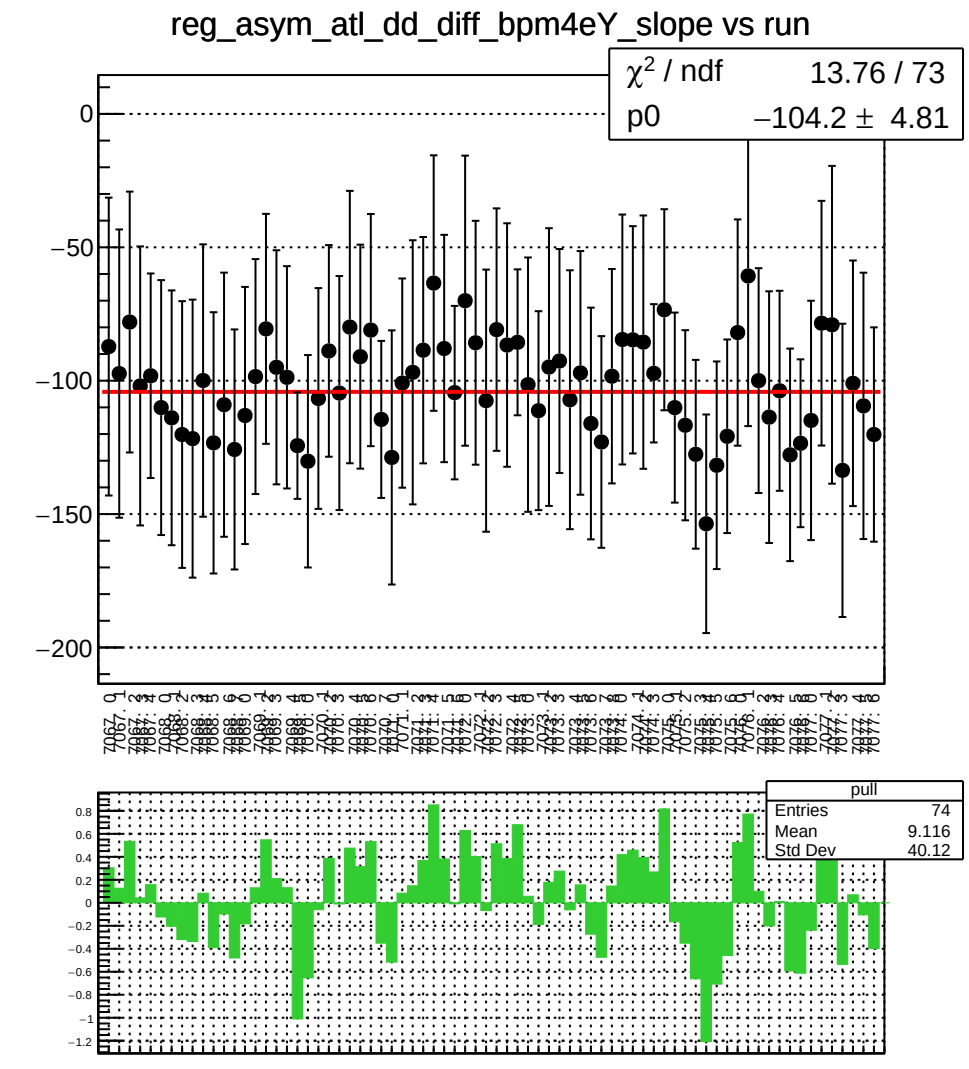

pull1D
Entries 74
Mean 0.06729
Std Dev 0.5579

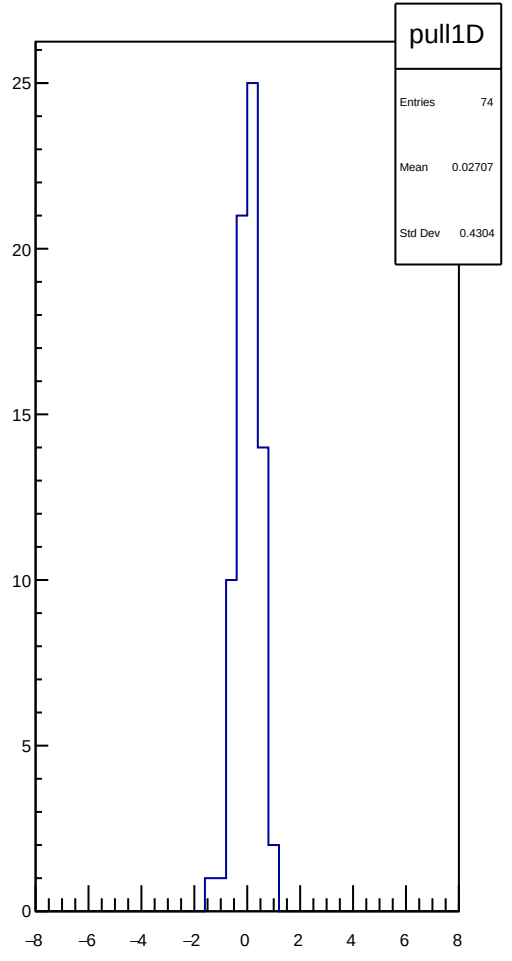

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.94 / 73
p0 19.3 ± 4.629
pull
Entries 74
Mean 12.2
Std Dev 31.78

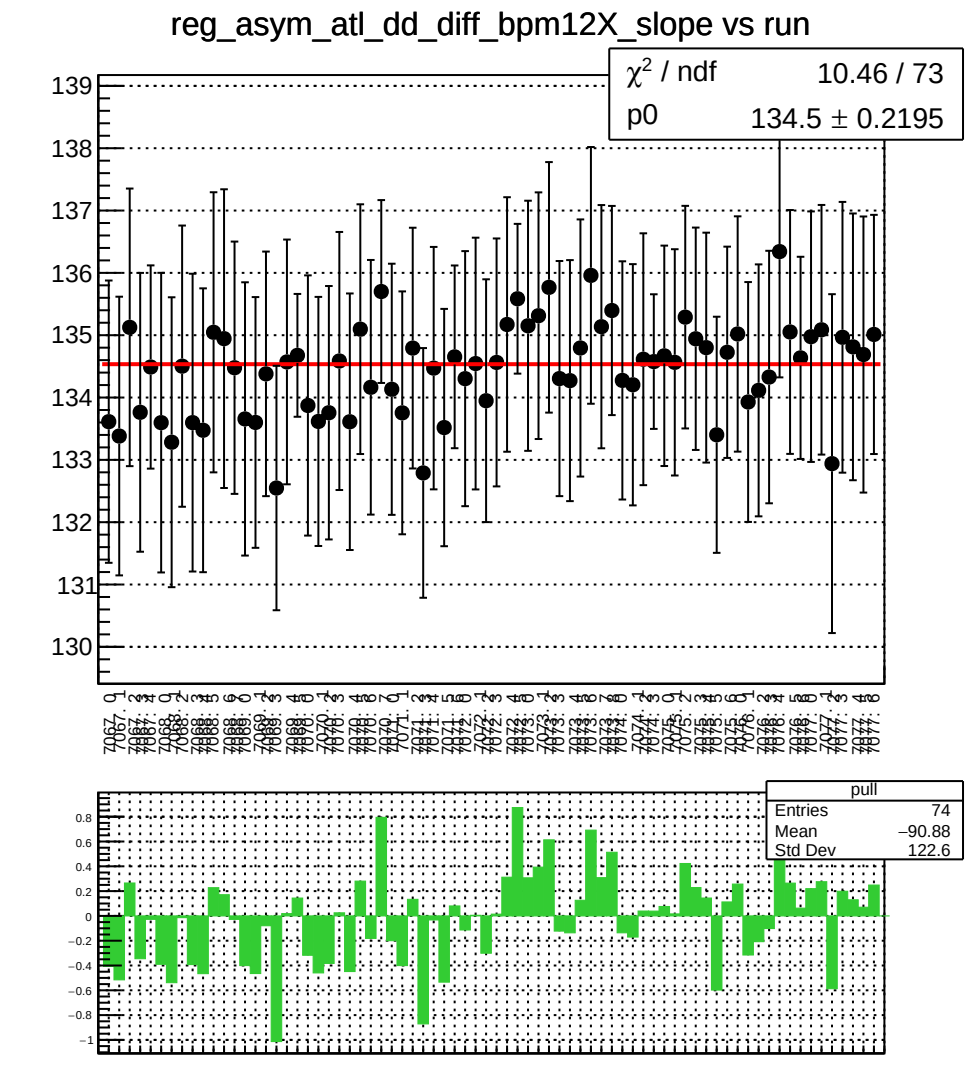

pull1D
Entries 74
Mean −0.02595
Std Dev 0.4173

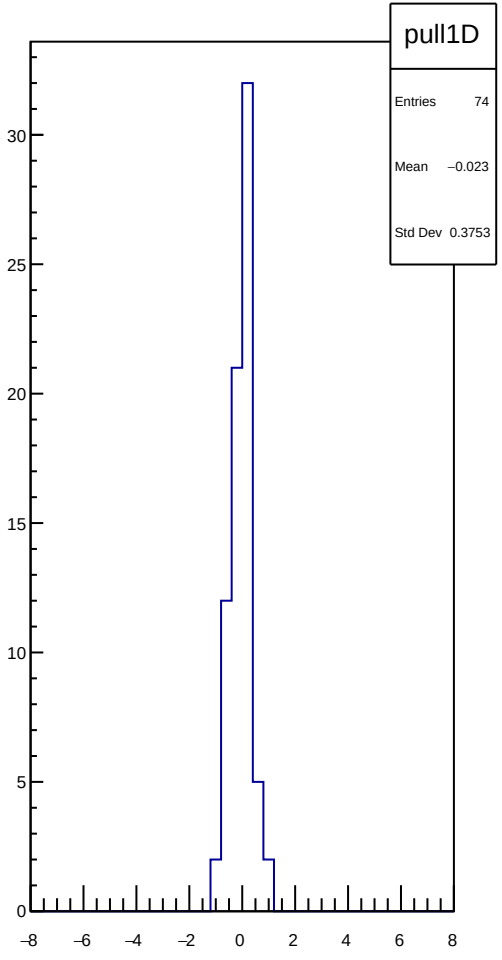

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.9 / 73
p0 −171.4 ± 5.547
pull
Entries 74
Mean 34.47
Std Dev 7.422

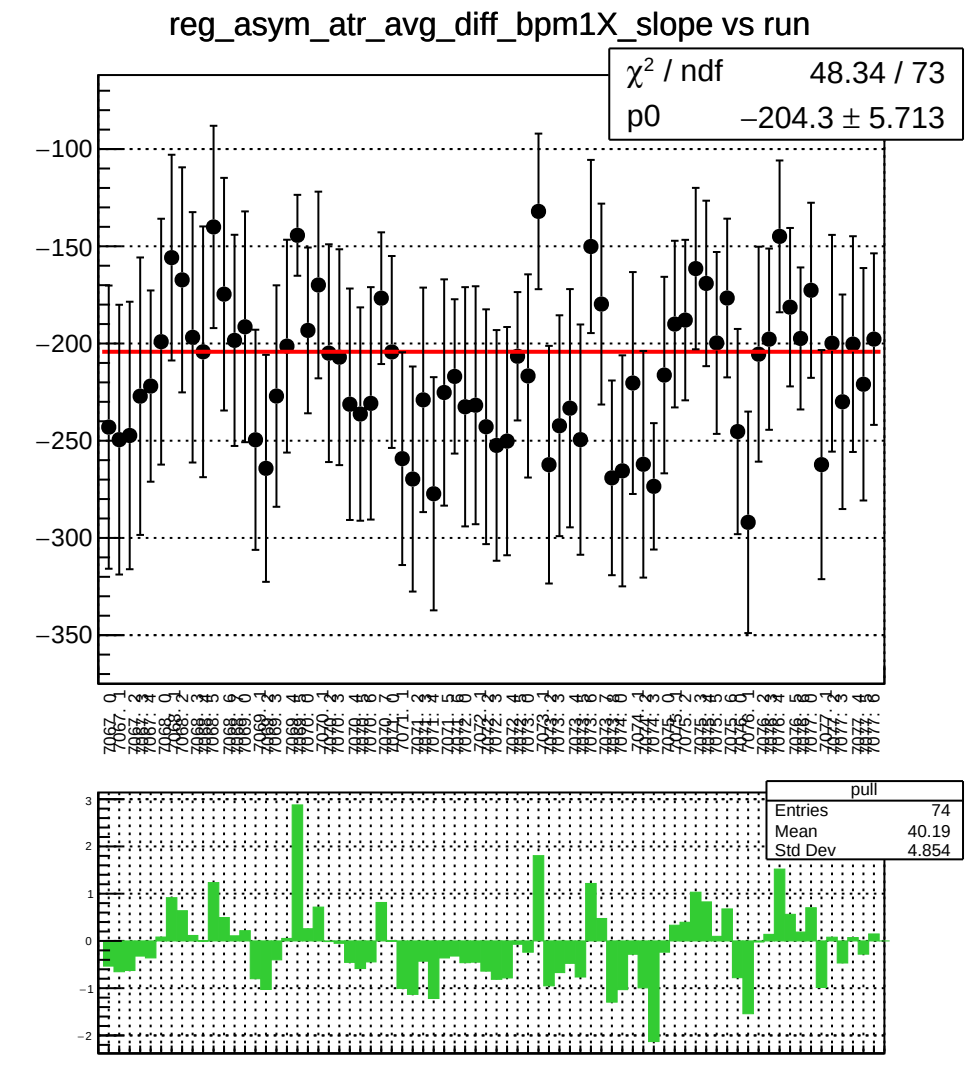

pull1D
Entries 74
Mean −0.06845
Std Dev 0.552

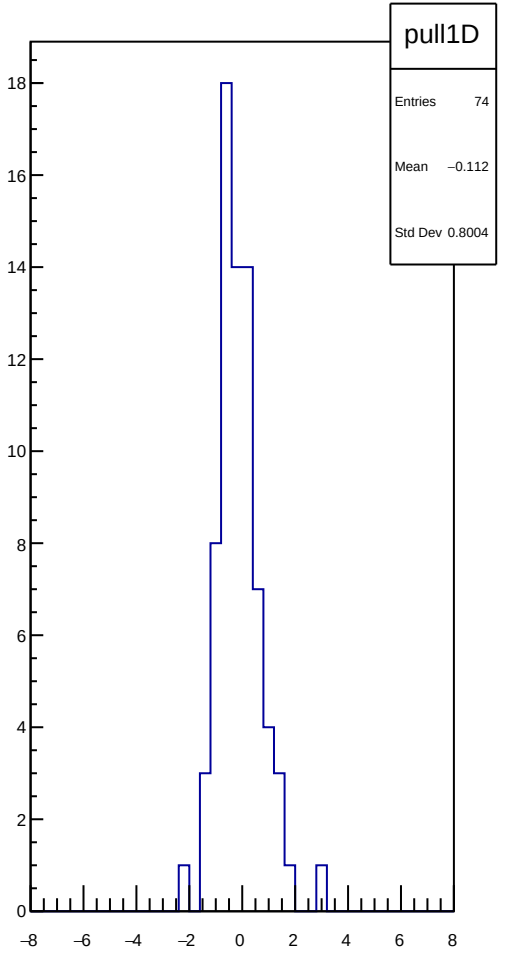

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.76 / 73
p0 −104.2 ± 4.81
0
−50
−100
−150
−200
pull
Entries 74
Mean 9.116
Std Dev 40.12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

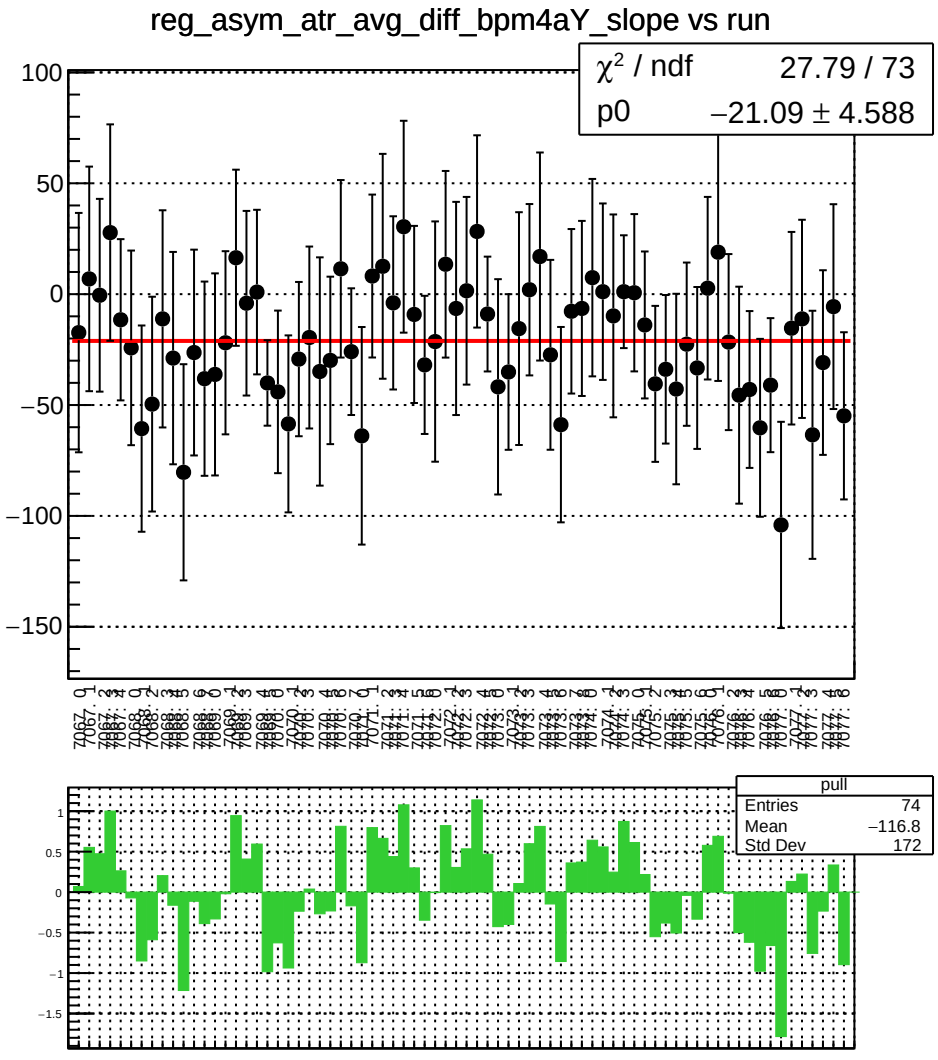

pull1D
Entries 74
Mean 0.02707
Std Dev 0.4304
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

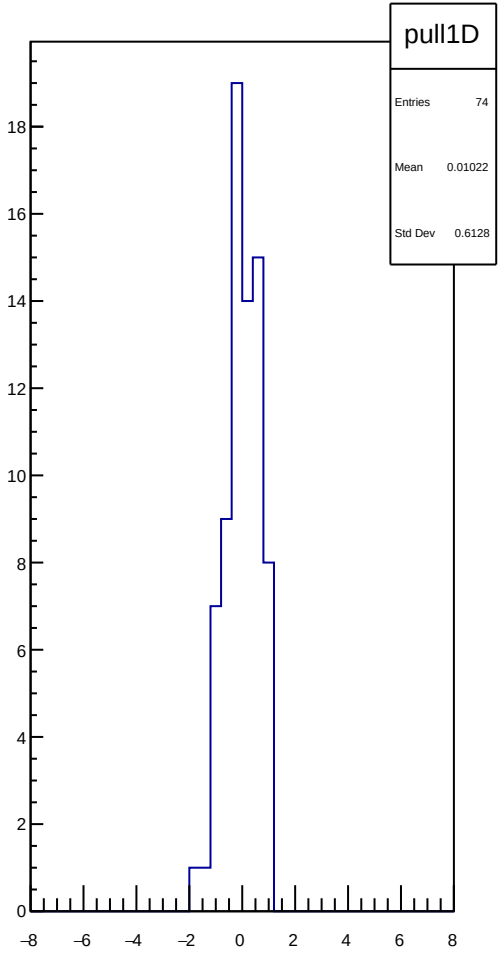

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 10.46 / 73
p0 134.5 ± 0.2195
pull
Entries 74
Mean −90.88
Std Dev 122.6

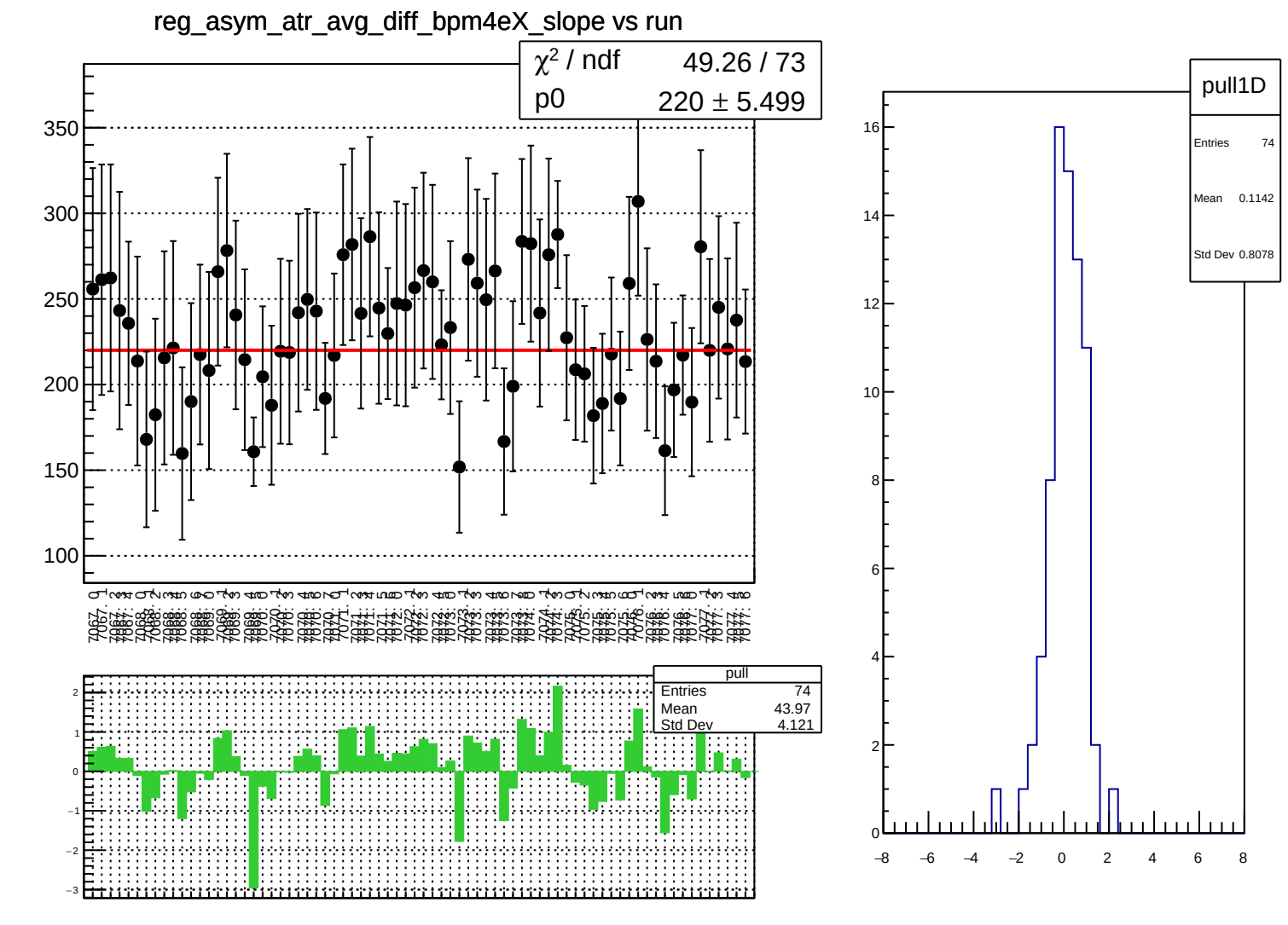

pull1D
Entries 74
Mean −0.023
Std Dev 0.3753

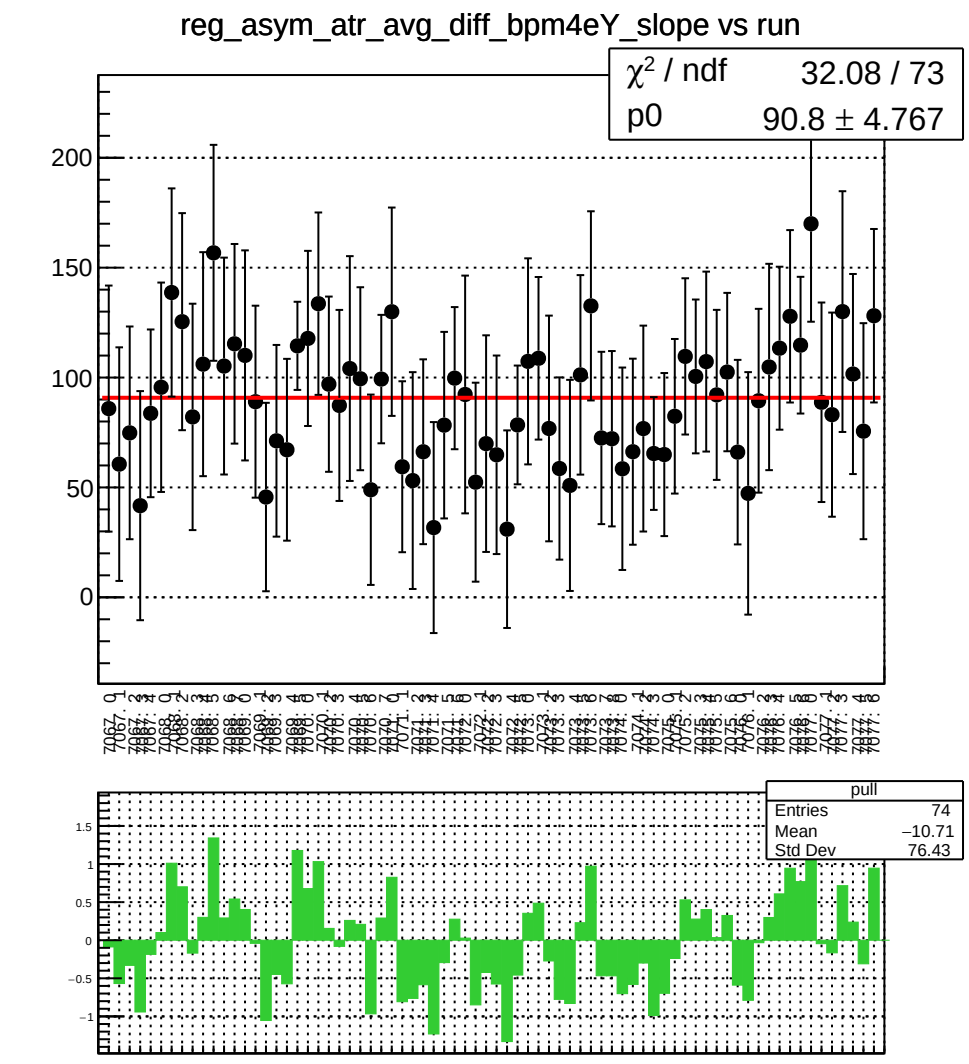

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 48.34 / 73
p0 −204.3 ± 5.713
−100
−150
−200
−250
−300
−350
pull
Entries 74
Mean 40.19
Std Dev 4.854
3
2
1
0
−1
−2

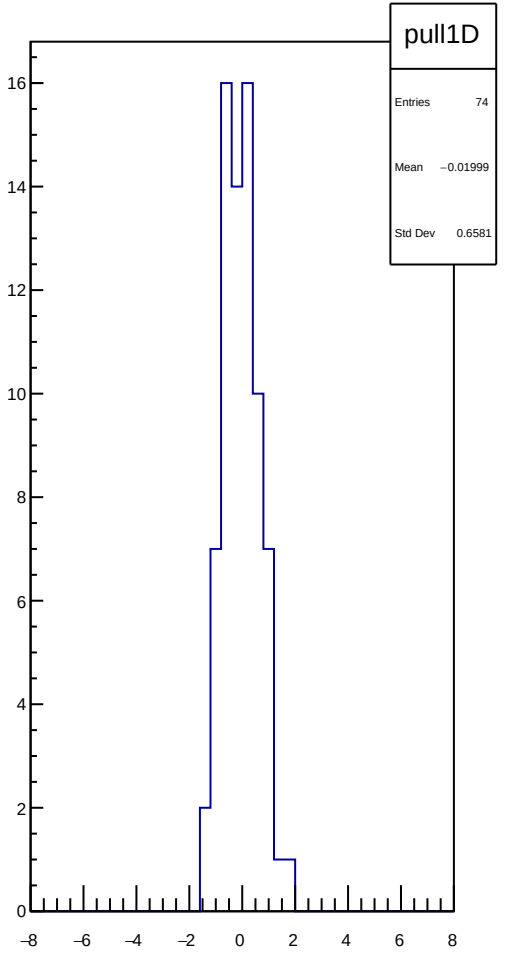

pull1D
Entries 74
Mean −0.112
Std Dev 0.8004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

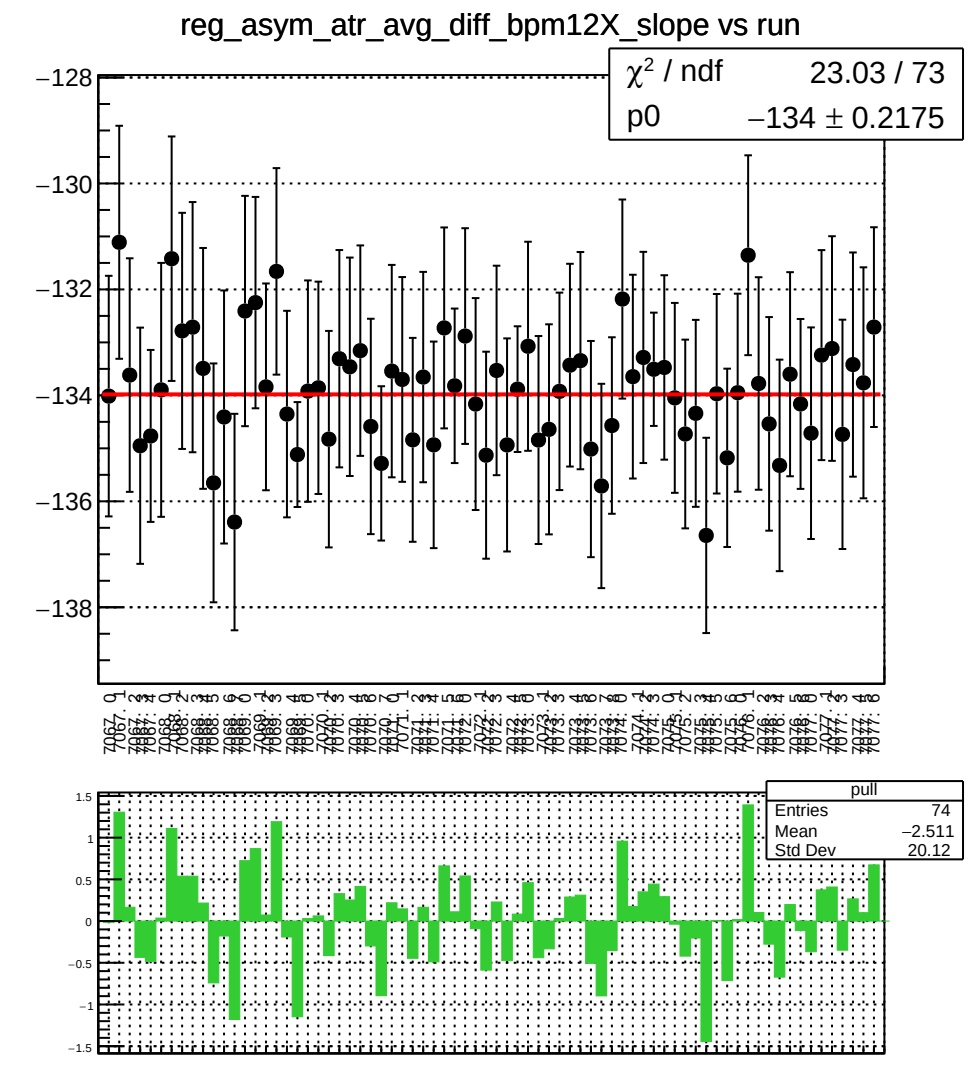

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.79 / 73
p0 −21.09 ± 4.588
pull
Entries 74
Mean −116.8
Std Dev 172

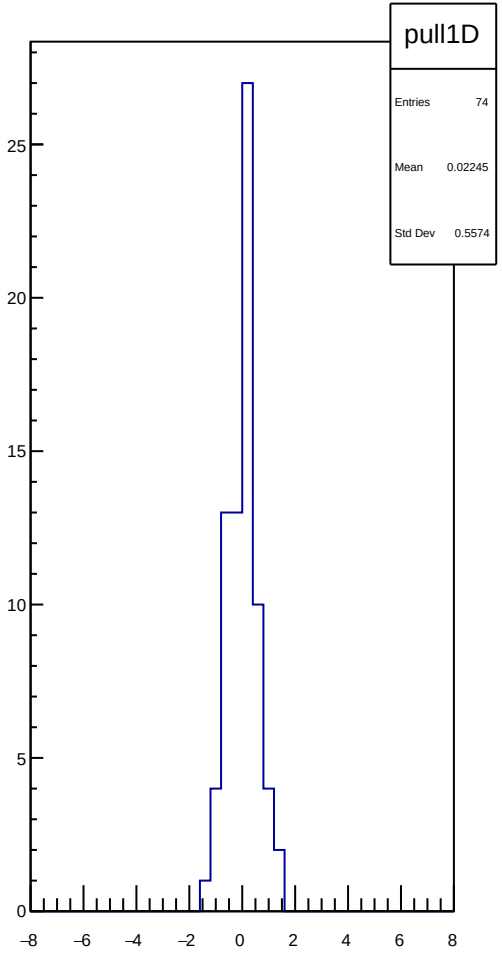

pull1D
Entries 74
Mean 0.01022
Std Dev 0.6128

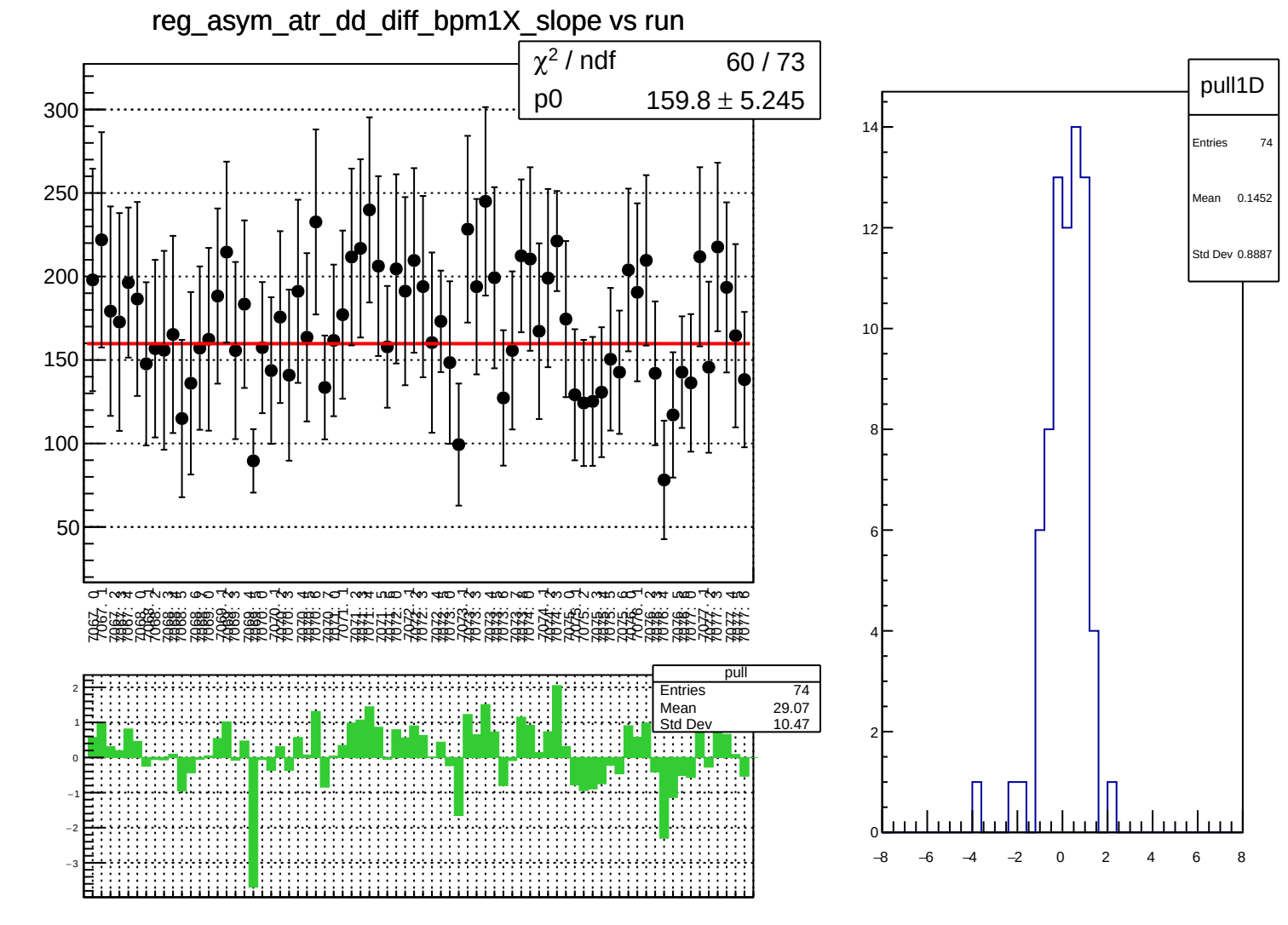

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.26 / 73
p0 220 ± 5.499
pull
Entries 74
Mean 43.97
Std Dev 4.121
pull1D
Entries 74
Mean 0.1142
Std Dev 0.8078

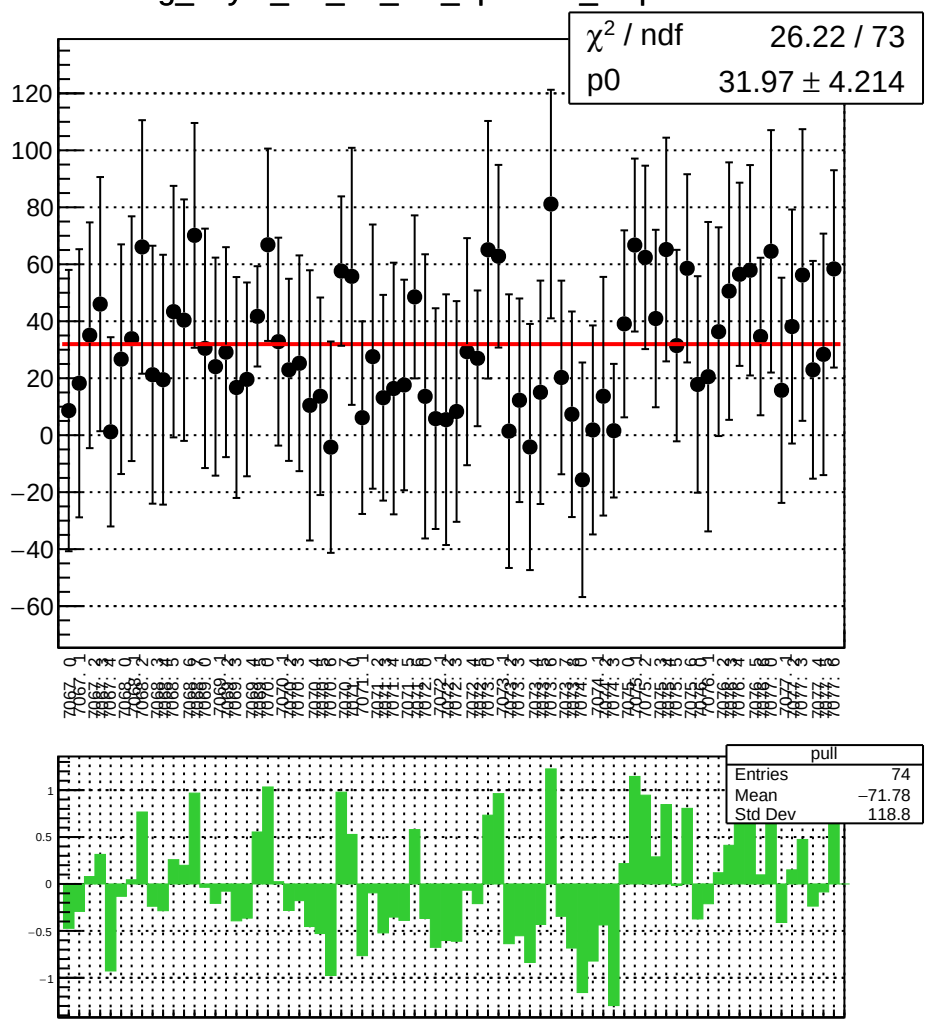

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.08 / 73
p0 90.8 ± 4.767
200
150
100
50
0
pull
Entries 74
Mean −10.71
Std Dev 76.43
1.5
1
0.5
0
−0.5
−1

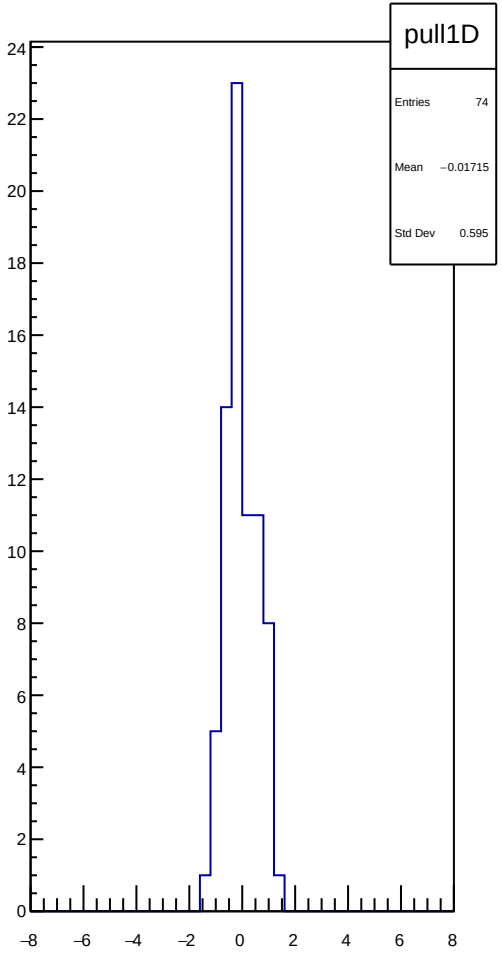

pull1D
Entries 74
Mean −0.01999
Std Dev 0.6581
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

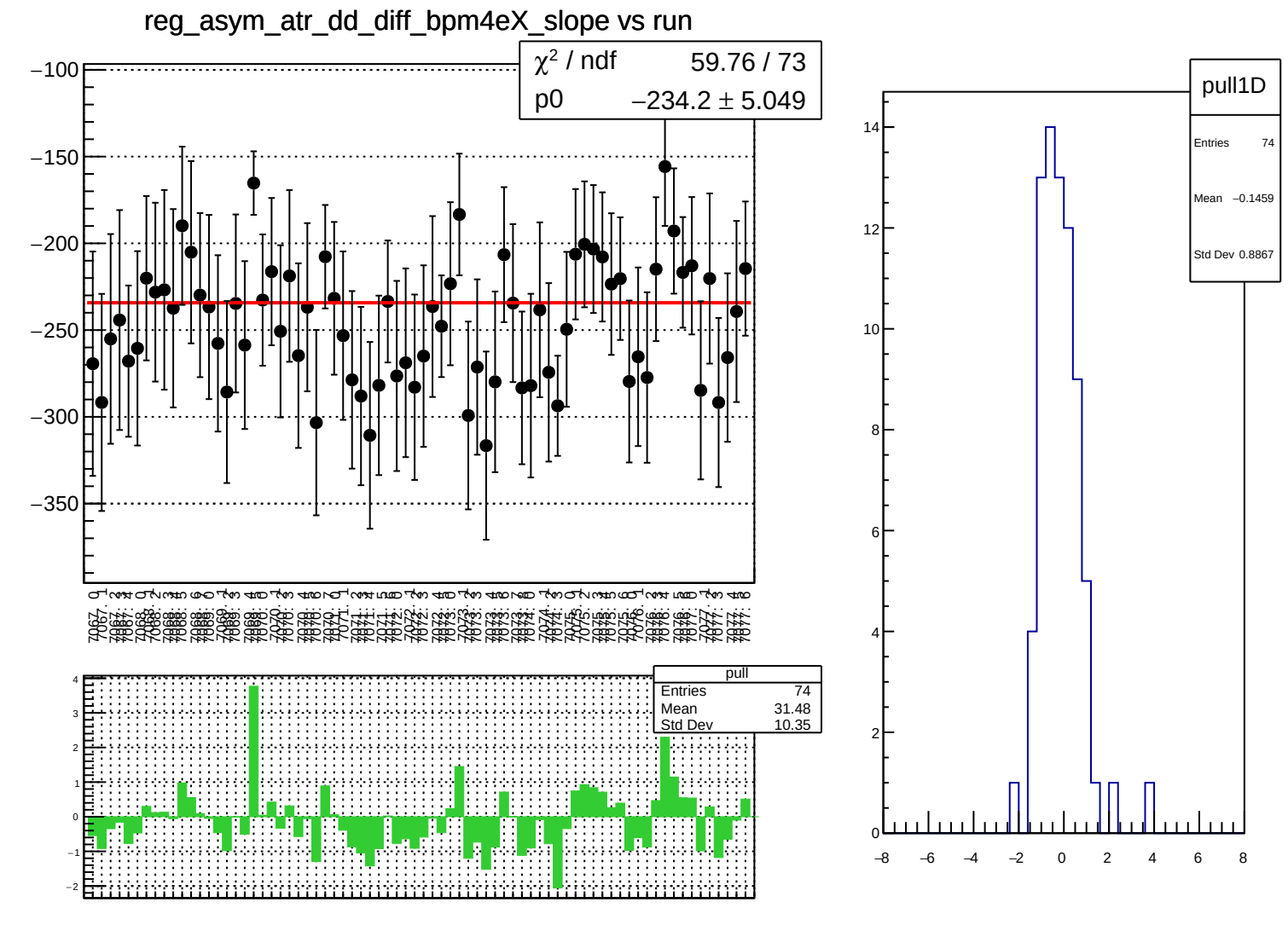

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 23.03 / 73
p0 −134 ± 0.2175
−128
−130
−132
−134
−136
−138
pull
Entries 74
Mean −2.511
Std Dev 20.12
1.5
1
0.5
0
−0.5
−1
−1.5

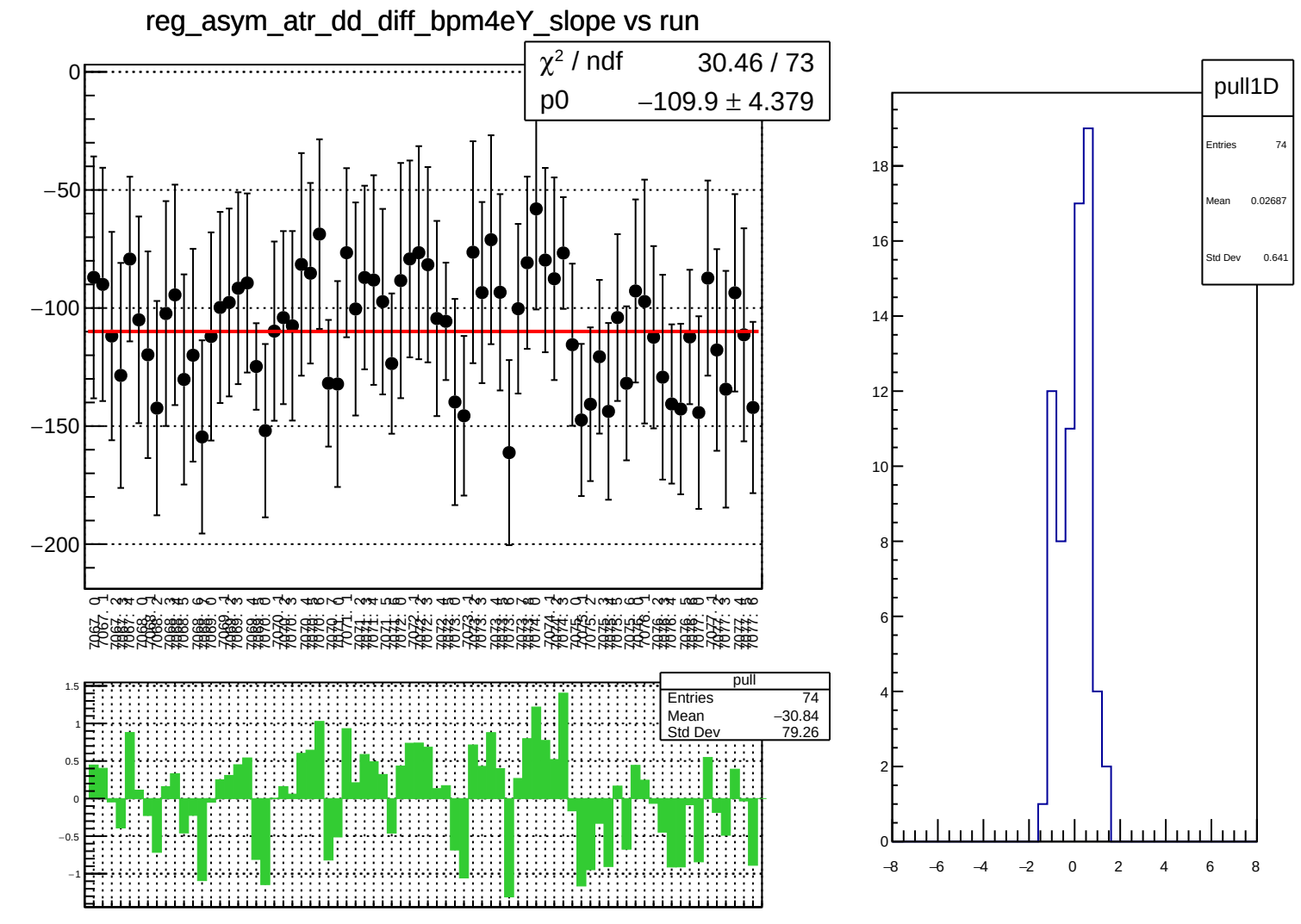

pull1D
Entries 74
Mean 0.02245
Std Dev 0.5574
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

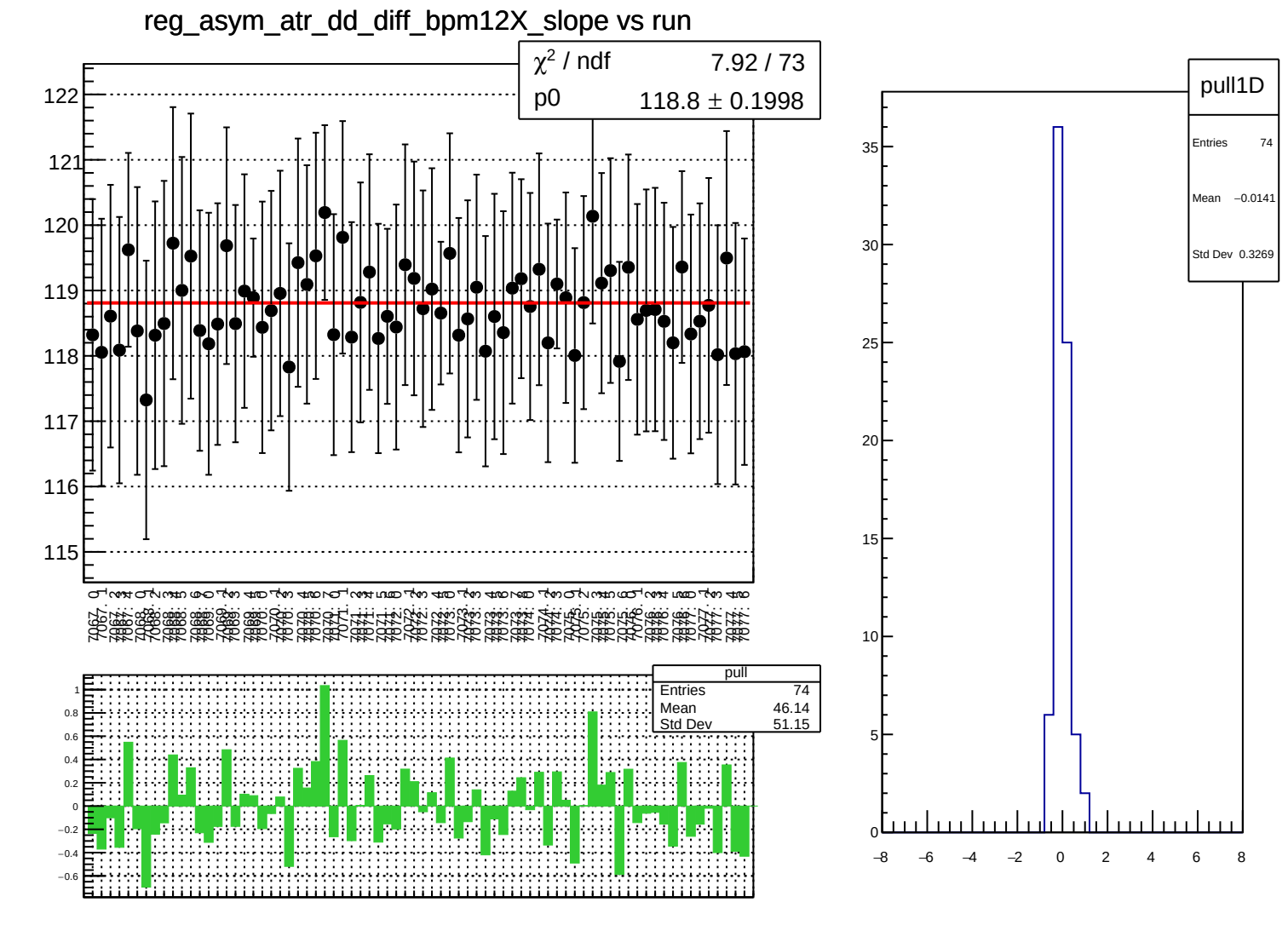

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 60 / 73
p0 159.8 ± 5.245
300
250
200
150
100
50
pull
Entries 74
Mean 29.07
Std Dev 10.47
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean 0.1452
Std Dev 0.8887
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

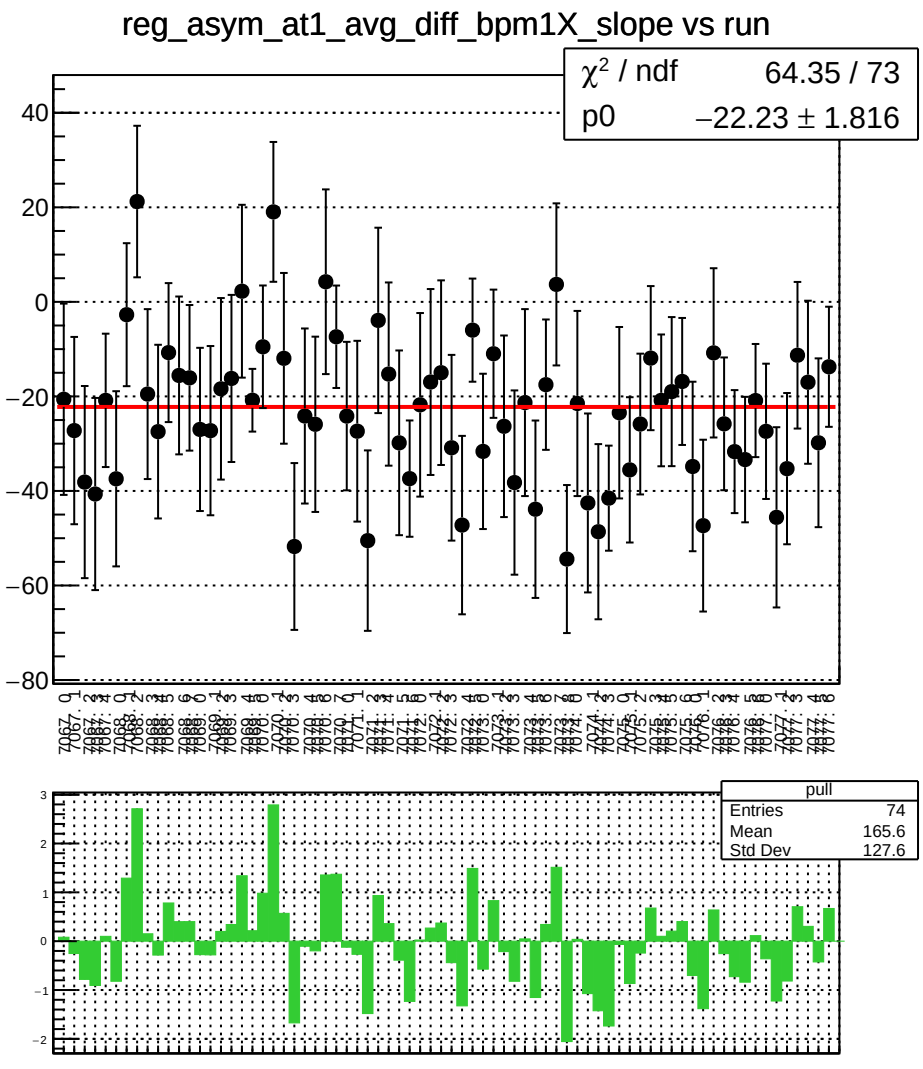

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 26.22 / 73
p0 31.97 ± 4.214
pull
Entries 74
Mean −71.78
Std Dev 118.8

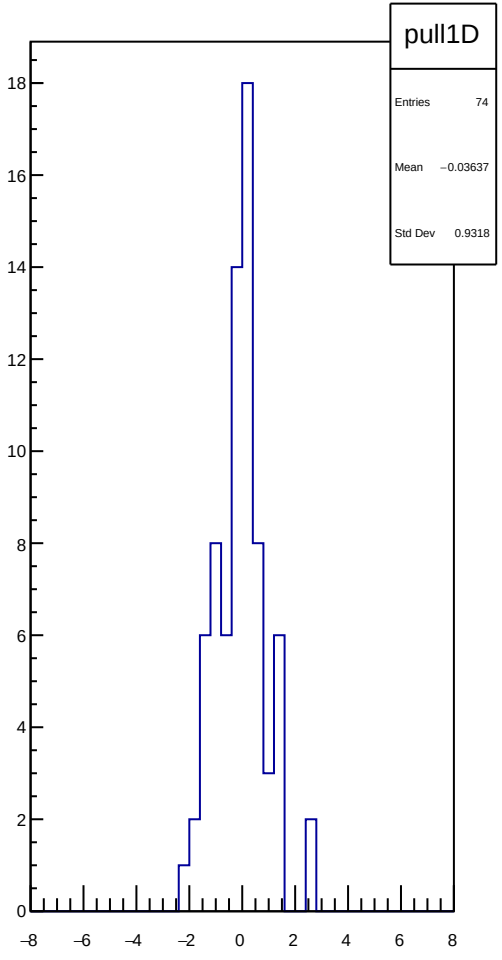

pull1D
Entries 74
Mean −0.01715
Std Dev 0.595

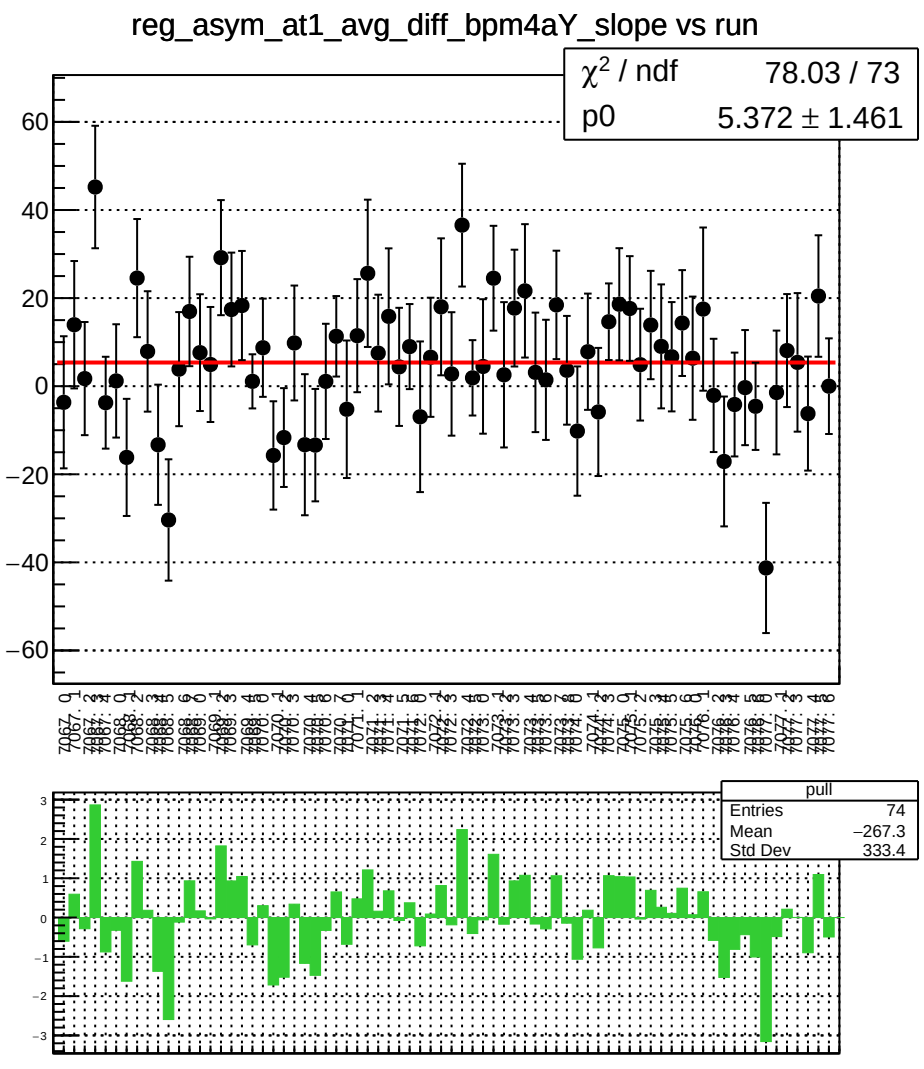

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.76 / 73
p0 −234.2 ± 5.049
pull
Entries 74
Mean 31.48
Std Dev 10.35
pull1D
Entries 74
Mean −0.1459
Std Dev 0.8867

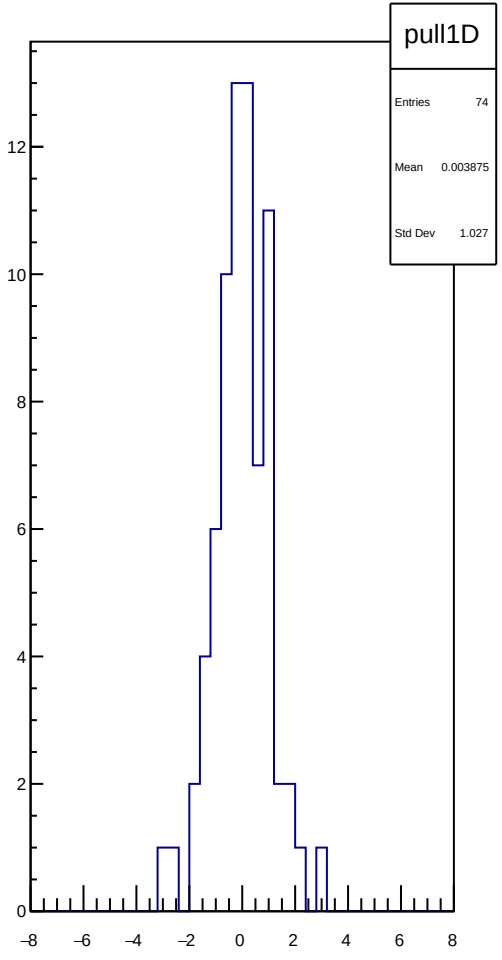

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.46 / 73
p0 −109.9 ± 4.379
pull
Entries 74
Mean −30.84
Std Dev 79.26
pull1D
Entries 74
Mean 0.02687
Std Dev 0.641

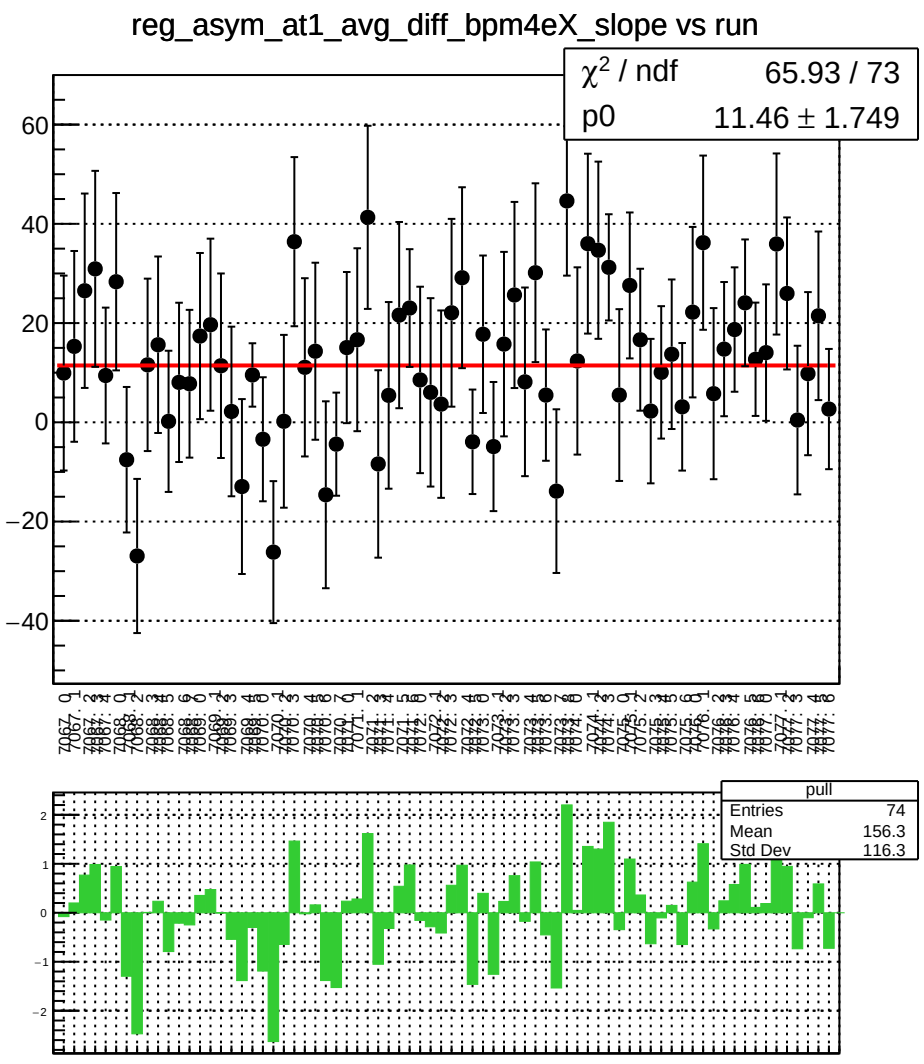

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 7.92 / 73
p0 118.8 ± 0.1998
pull
Entries 74
Mean 46.14
Std Dev 51.15
pull1D
Entries 74
Mean −0.0141
Std Dev 0.3269

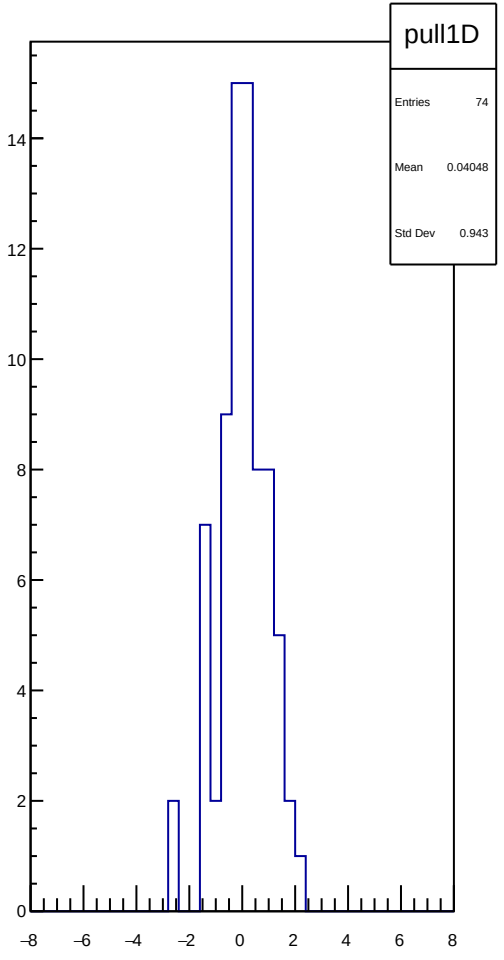

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 64.35 / 73
p0 −22.23 ± 1.816
pull
Entries 74
Mean 165.6
Std Dev 127.6

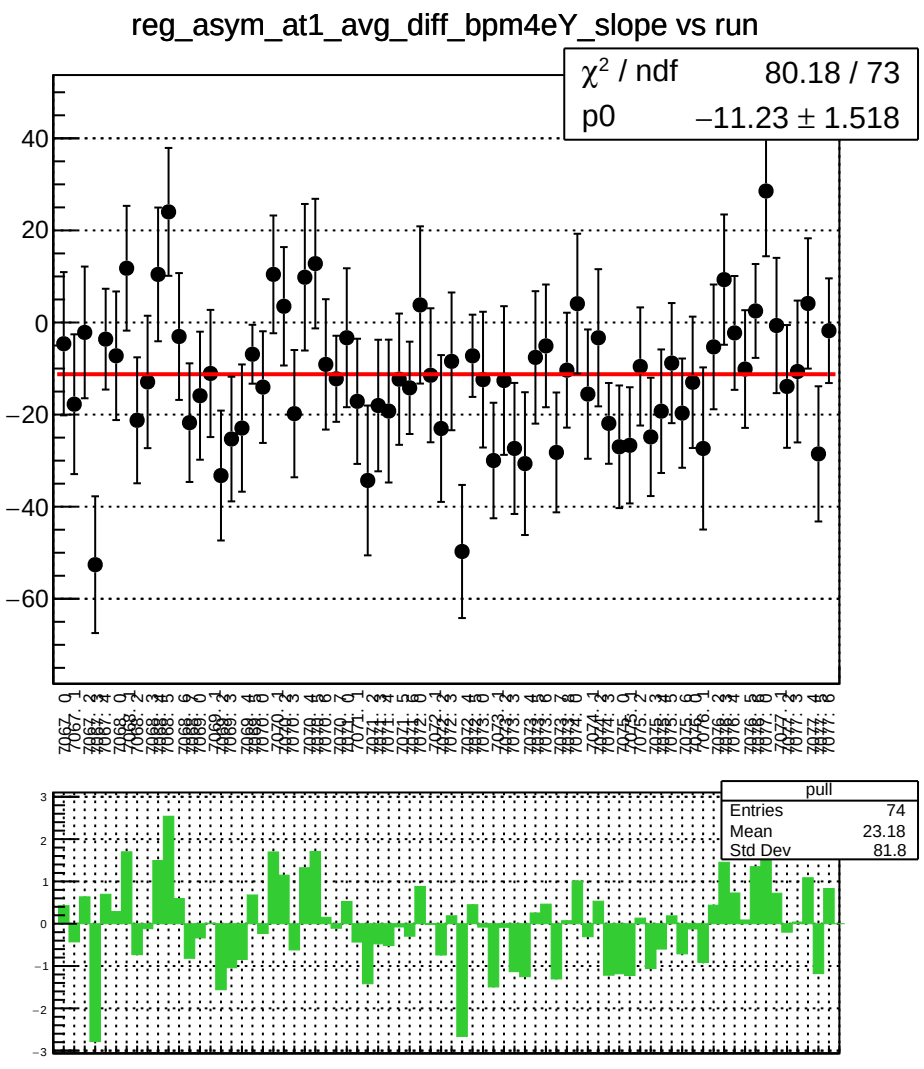

pull1D
Entries 74
Mean −0.03637
Std Dev 0.9318

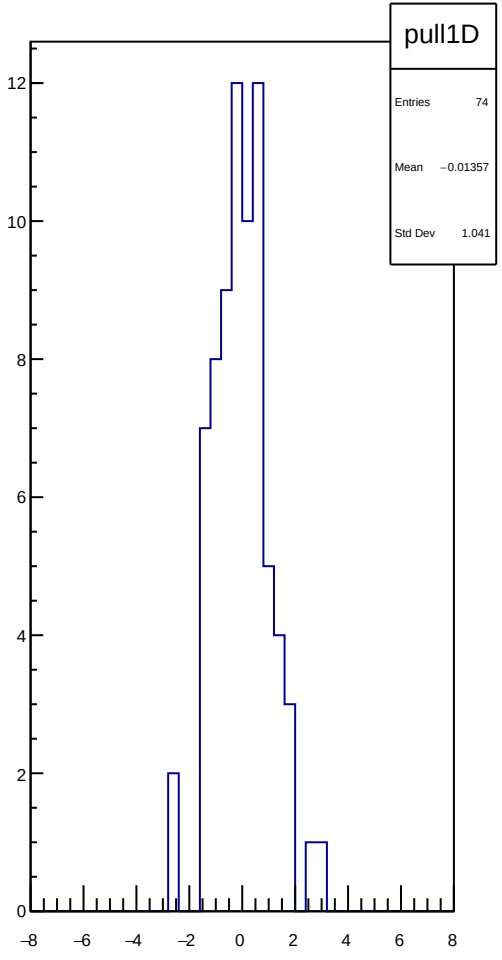

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.03 / 73
p0 5.372 ± 1.461
pull
Entries 74
Mean −267.3
Std Dev 333.4

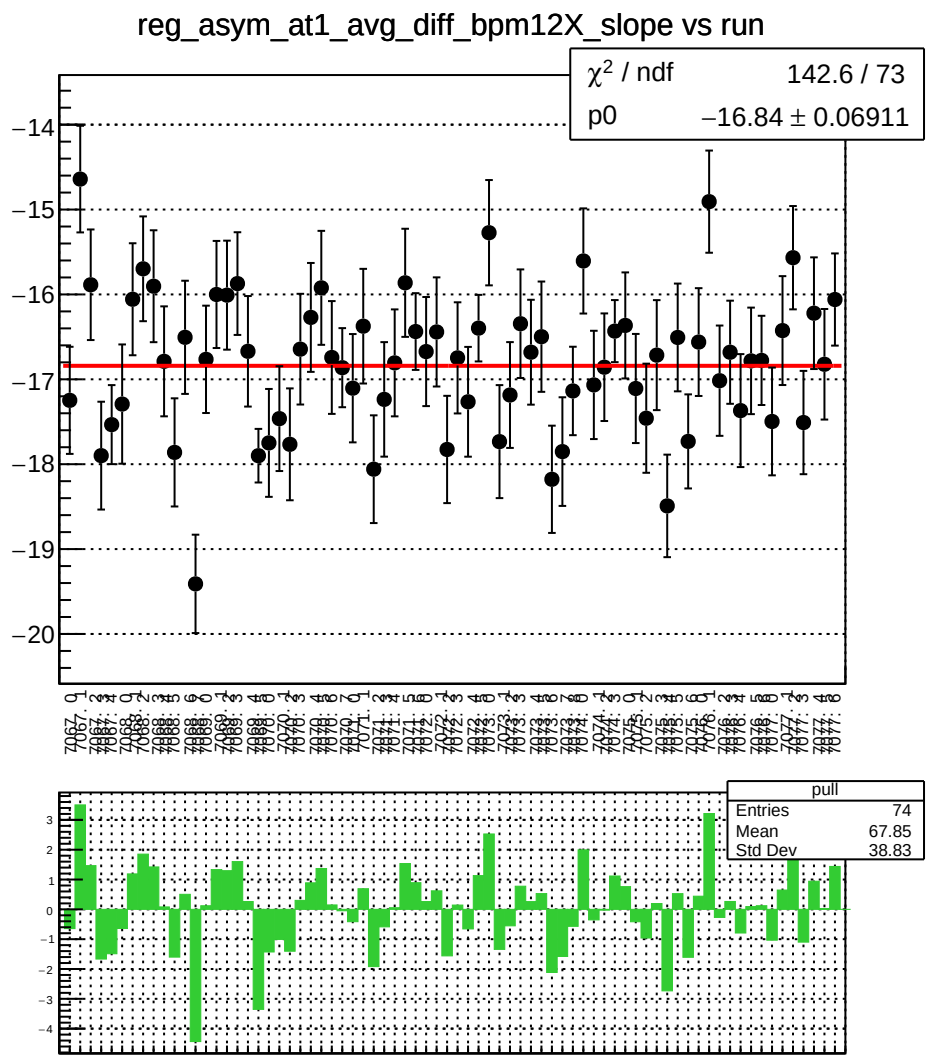

pull1D
Entries 74
Mean 0.003875
Std Dev 1.027

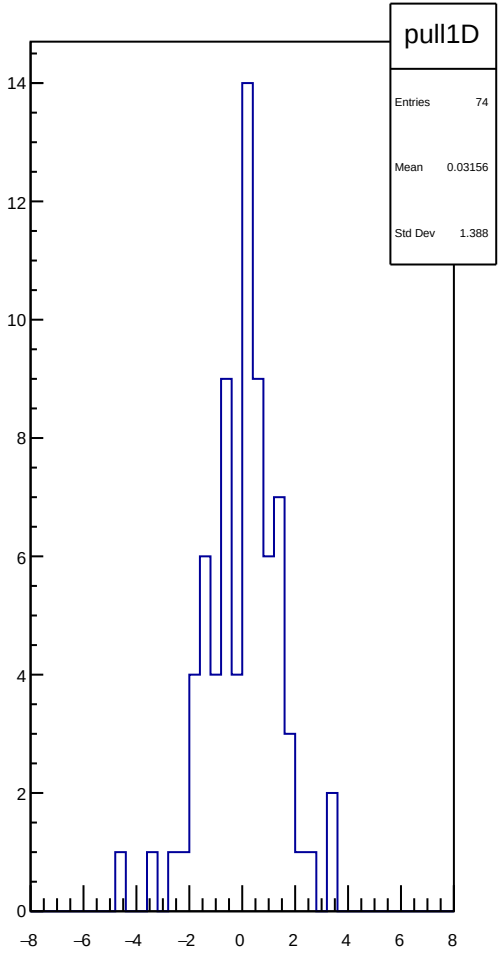

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 65.93 / 73
p0 11.46 ± 1.749
pull
Entries 74
Mean 156.3
Std Dev 116.3

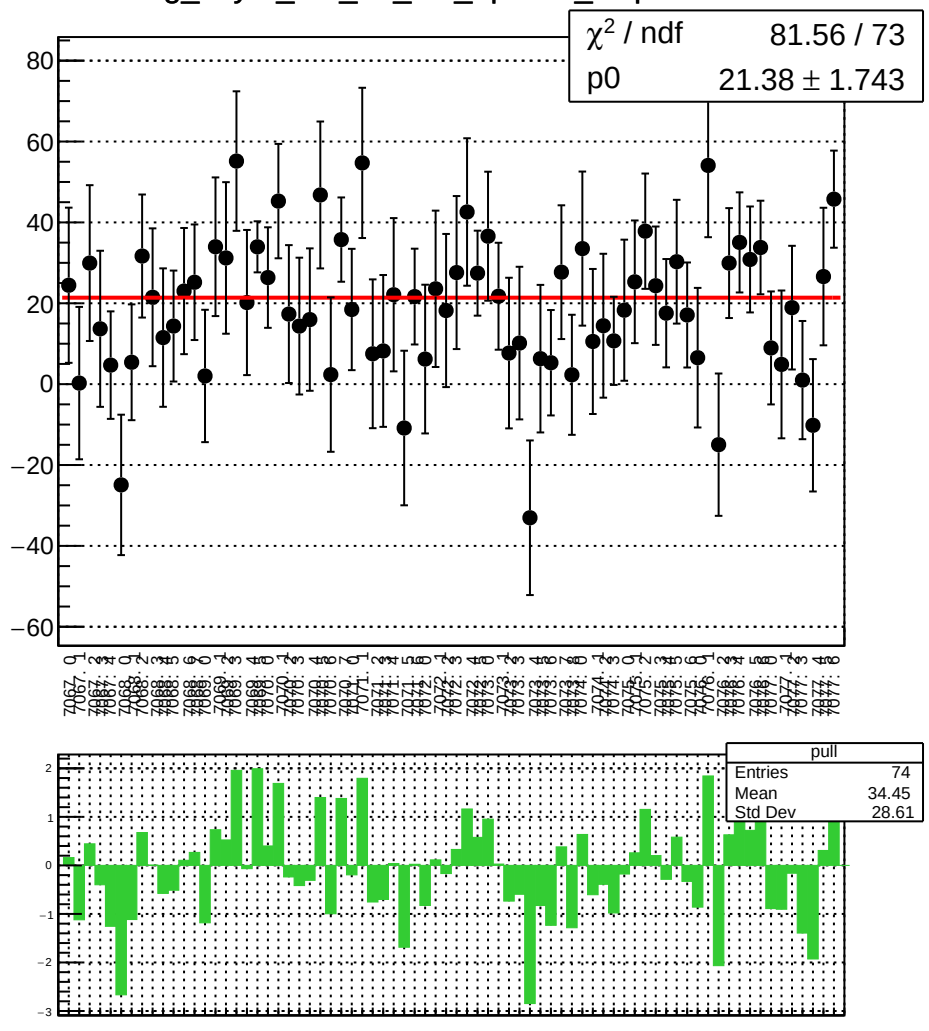

pull1D
Entries 74
Mean 0.04048
Std Dev 0.943

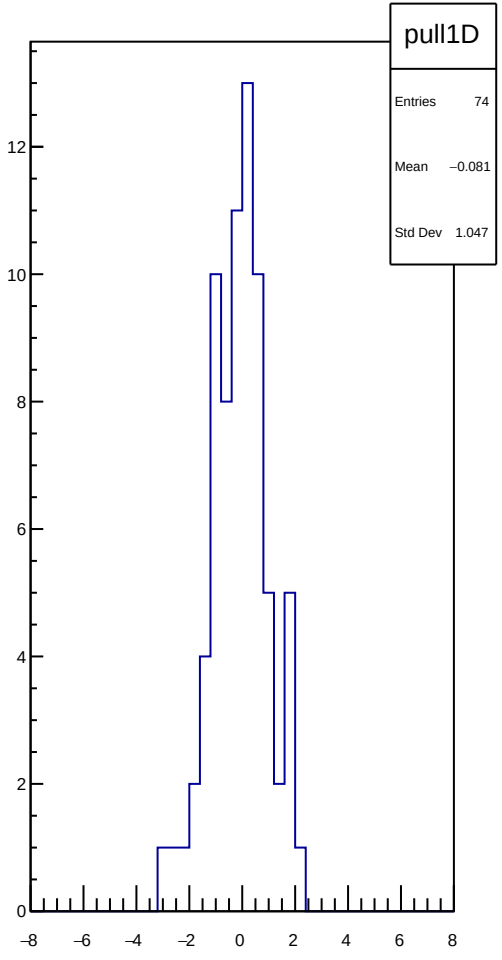

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.18 / 73
p0 −11.23 ± 1.518
pull
Entries 74
Mean 23.18
Std Dev 81.8

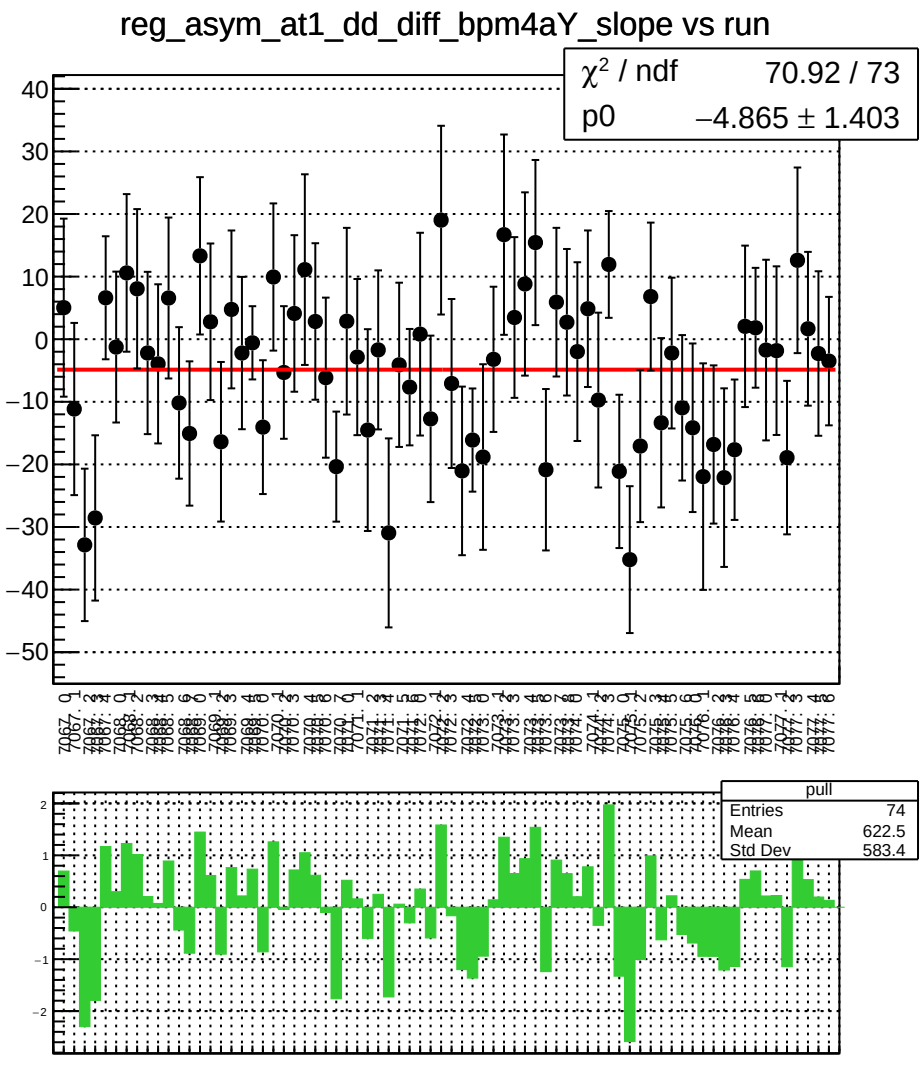

pull1D
Entries 74
Mean −0.01357
Std Dev 1.041

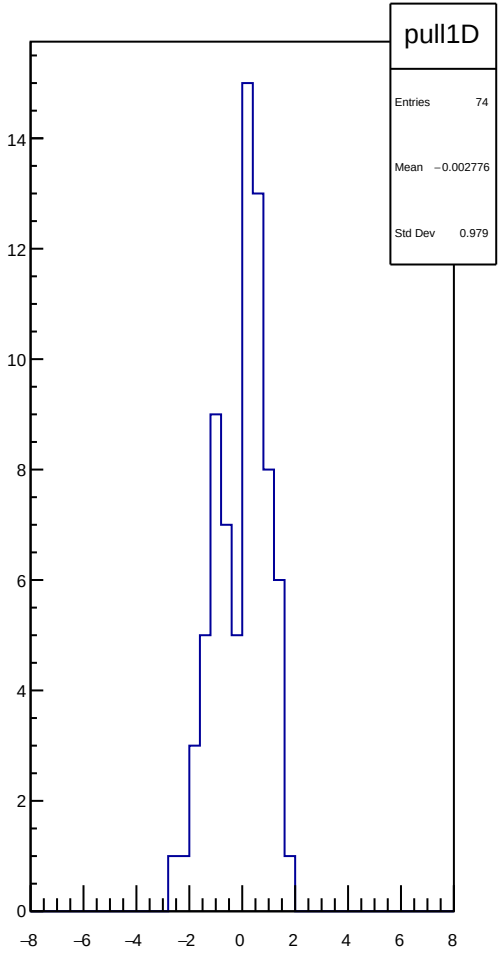

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 142.6 / 73
p0 −16.84 ± 0.06911
pull
Entries 74
Mean 67.85
Std Dev 38.83

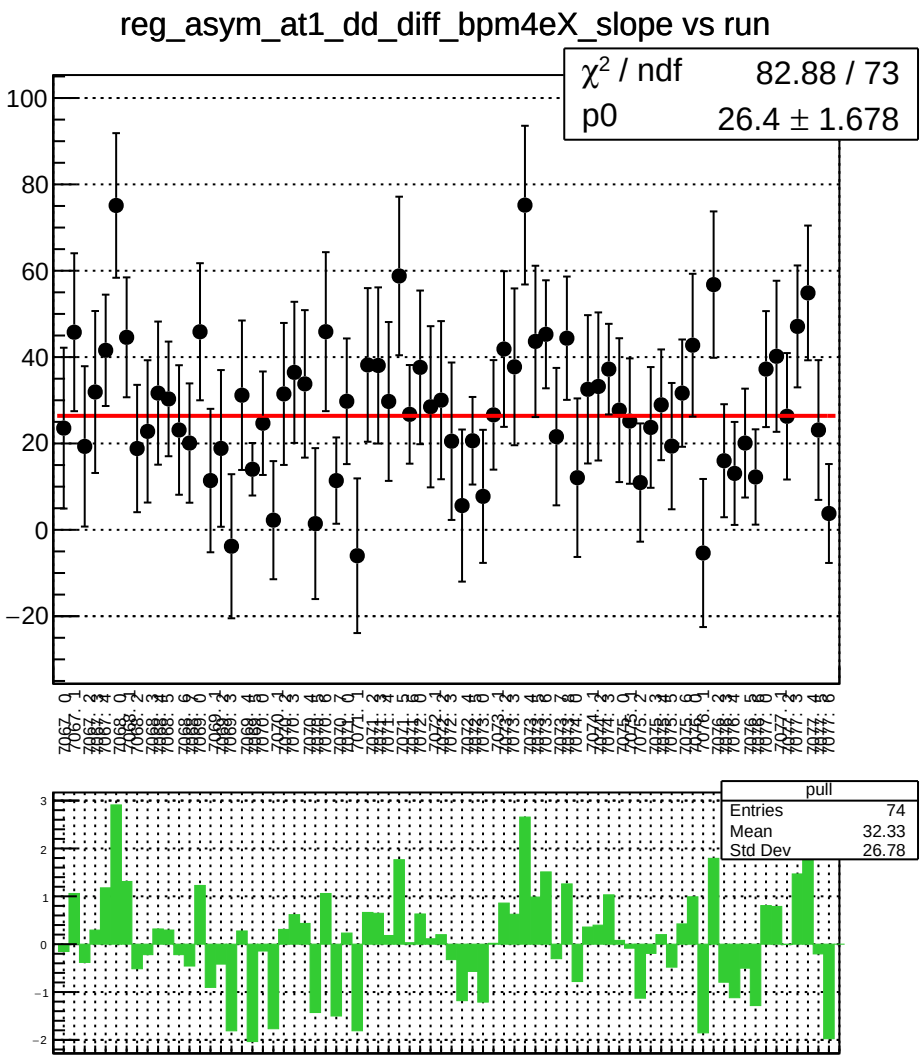

pull1D
Entries 74
Mean 0.03156
Std Dev 1.388

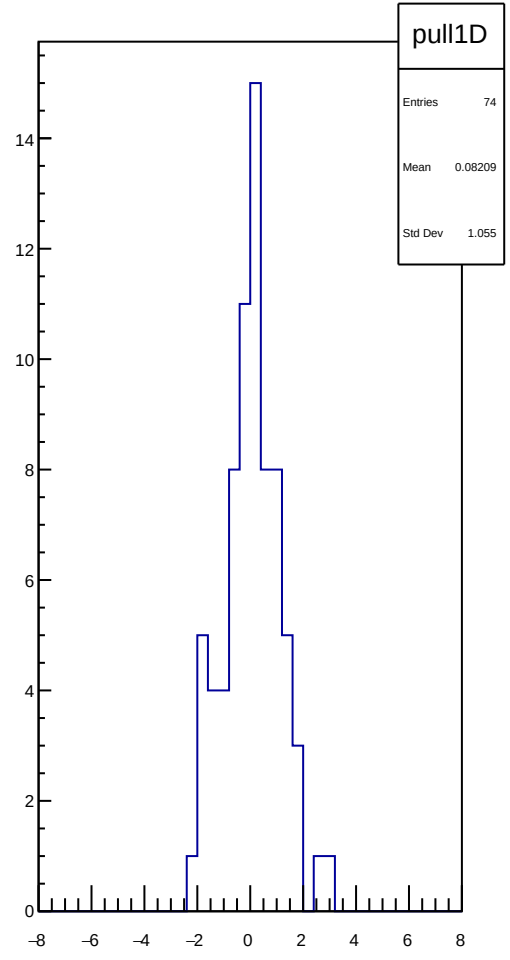

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 81.56 / 73
p0 21.38 ± 1.743
pull
Entries 74
Mean 34.45
Std Dev 28.61

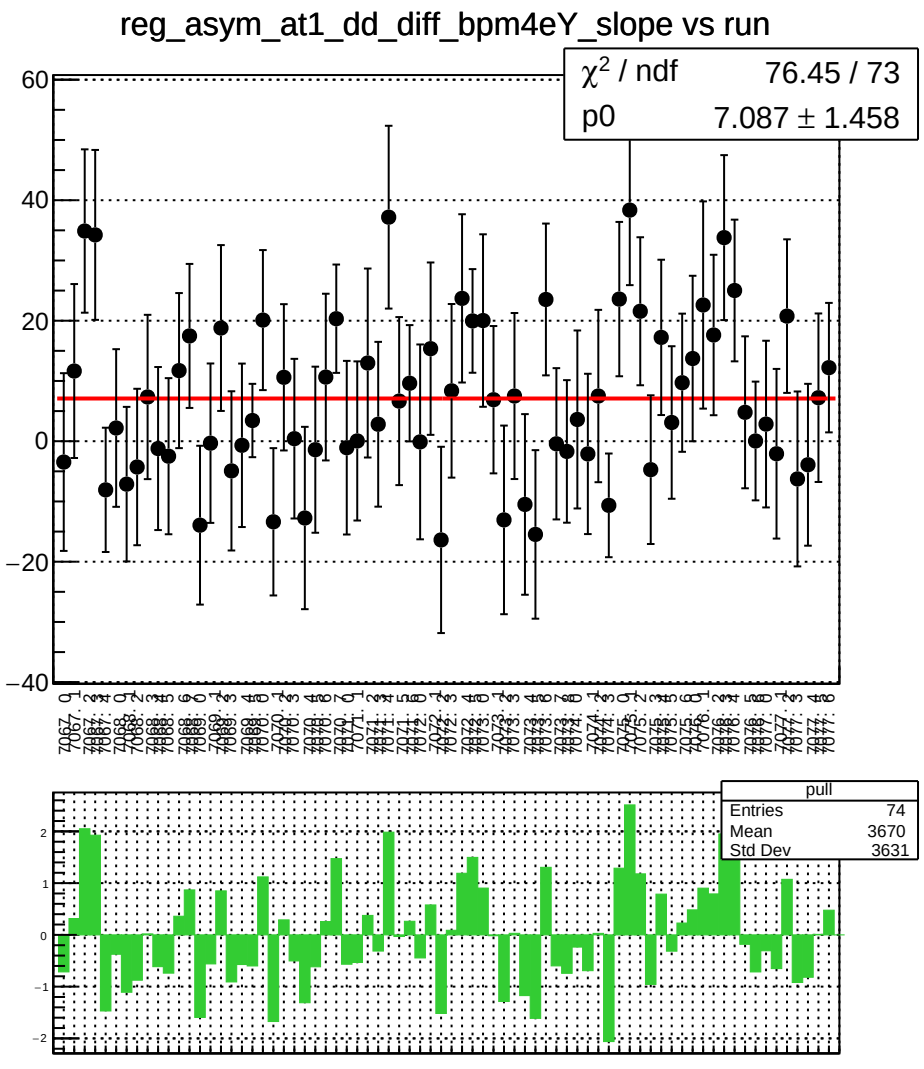

pull1D
Entries 74
Mean −0.081
Std Dev 1.047

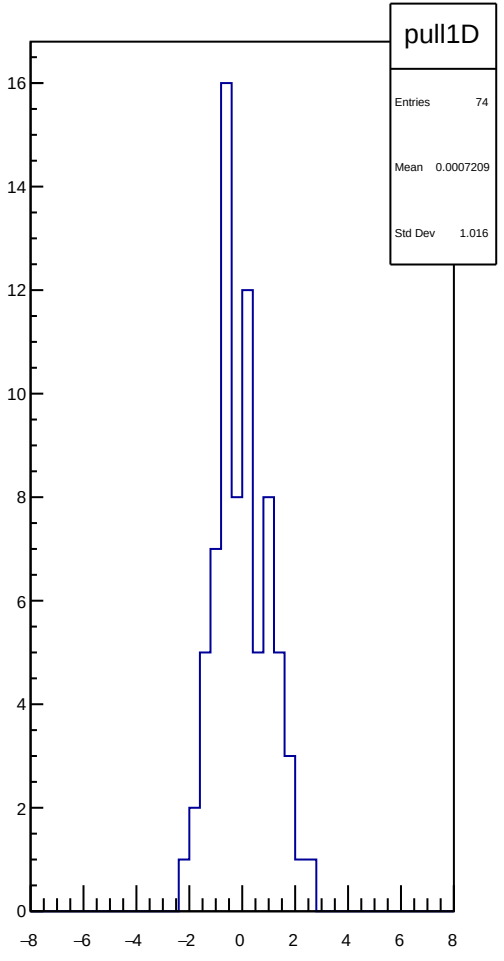

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.92 / 73
p0 −4.865 ± 1.403
pull
Entries 74
Mean 622.5
Std Dev 583.4

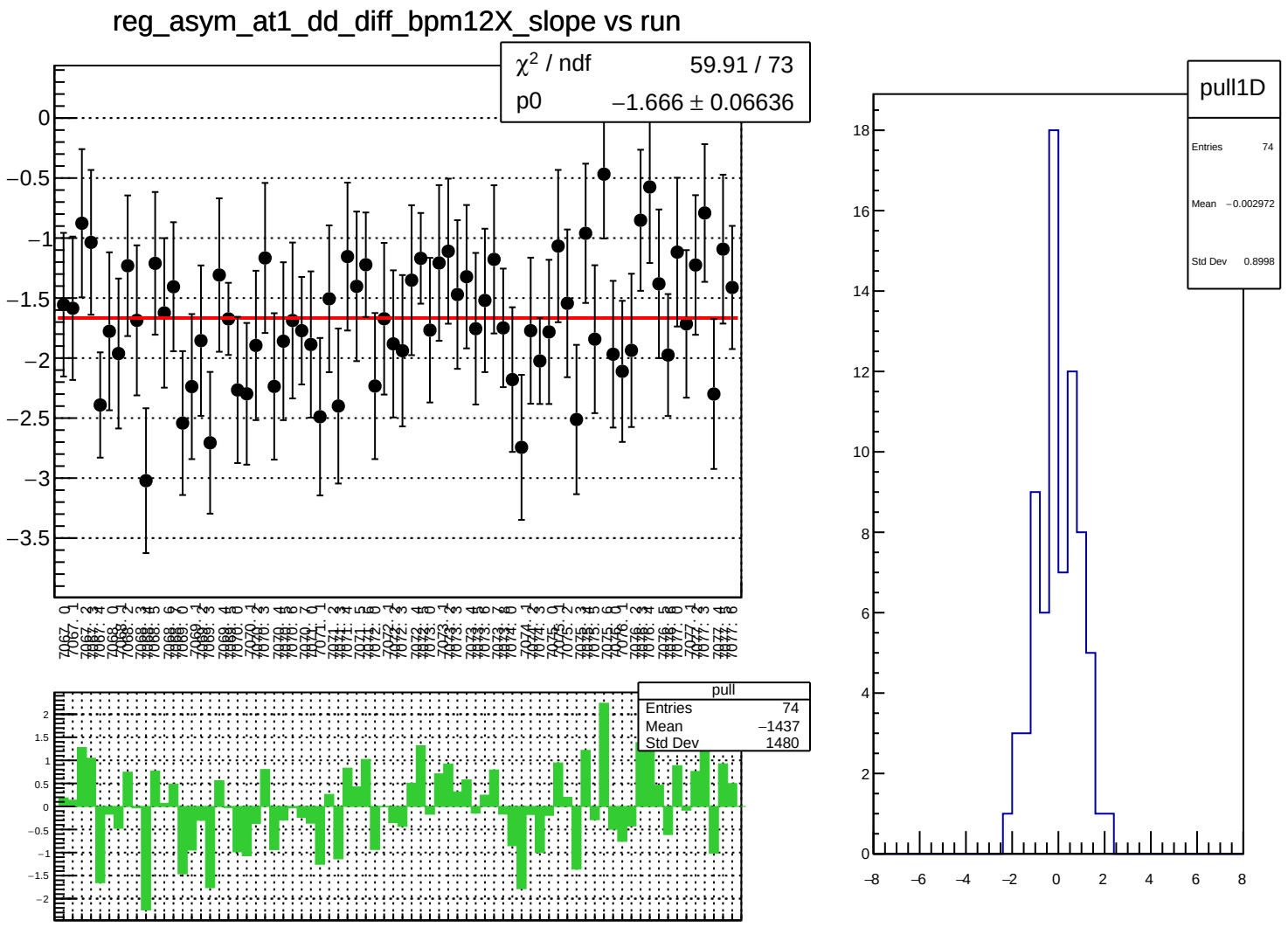

pull1D
Entries 74
Mean −0.002776
Std Dev 0.979

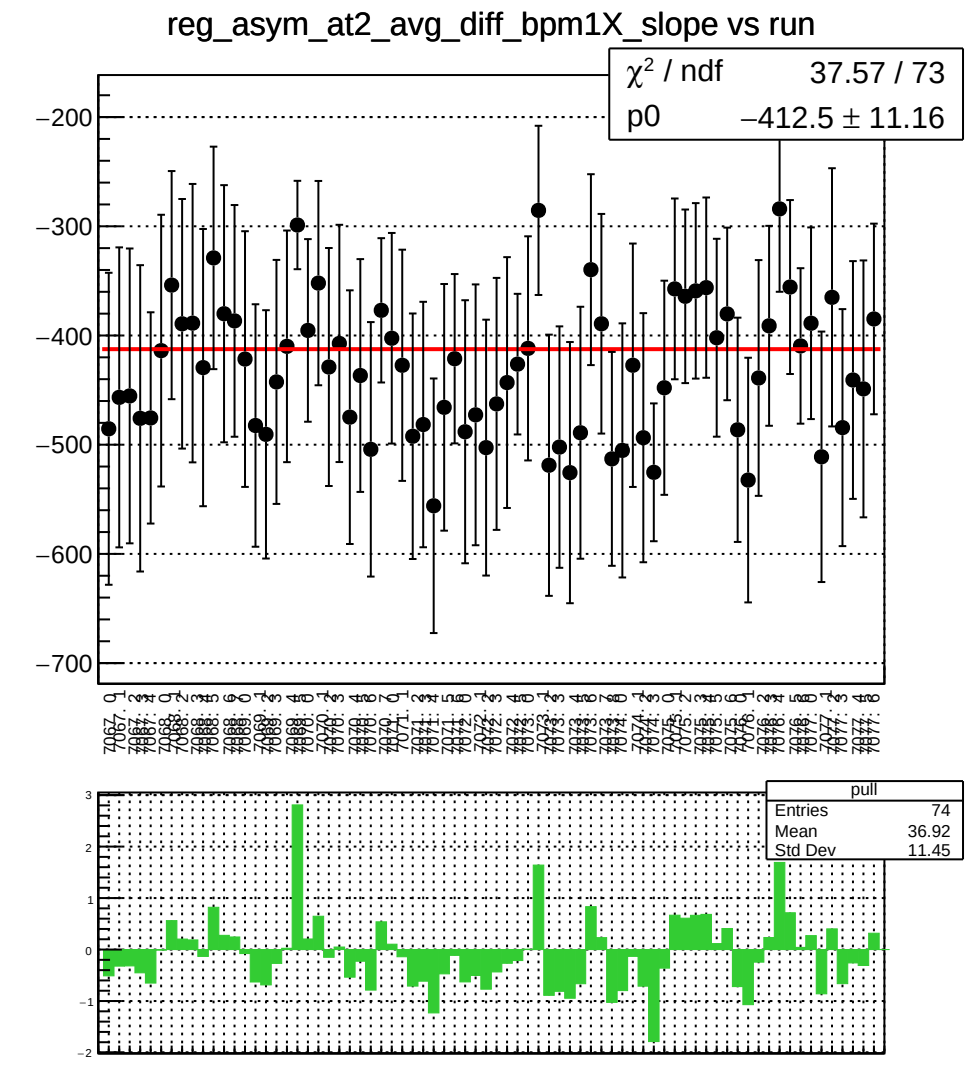

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.88 / 73
p0 26.4 ± 1.678
pull
Entries 74
Mean 32.33
Std Dev 26.78

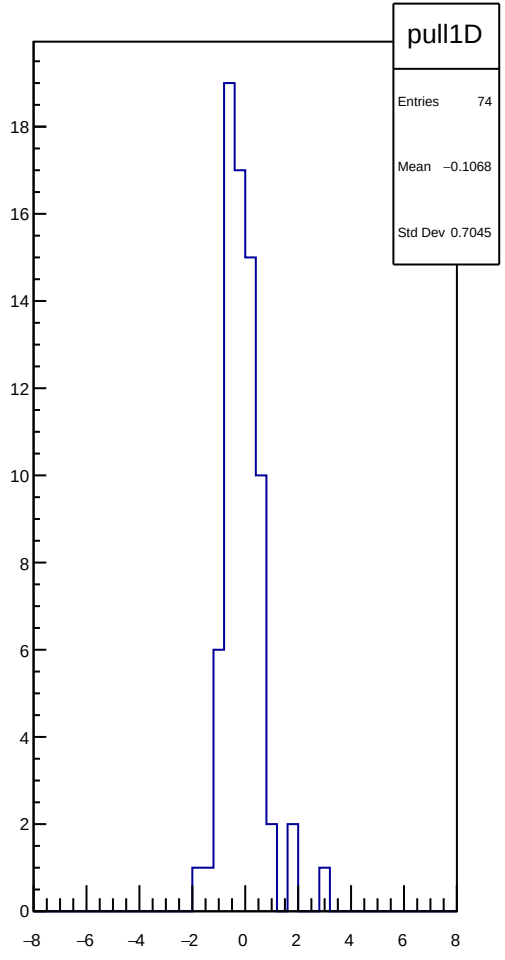

pull1D
Entries 74
Mean 0.08209
Std Dev 1.055

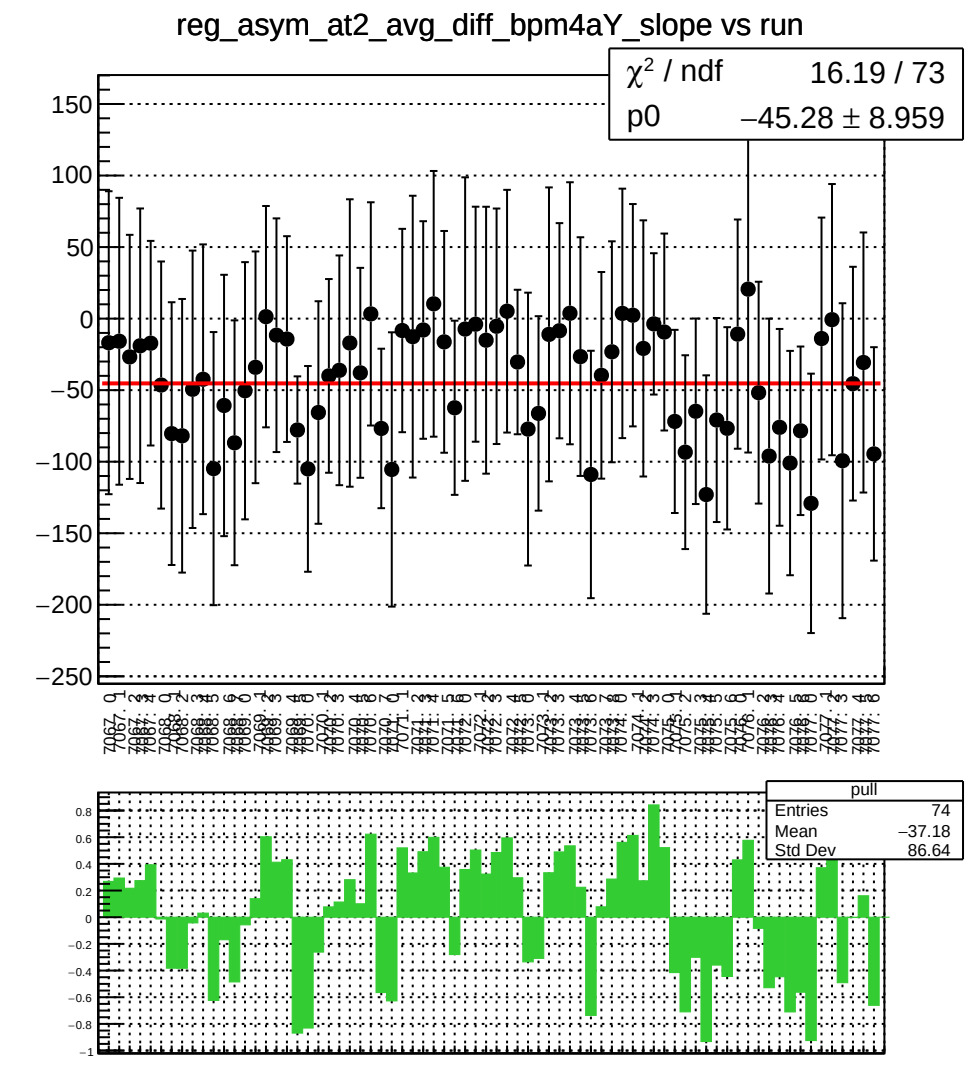

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.45 / 73
p0 7.087 ± 1.458
pull
Entries 74
Mean 3670
Std Dev 3631

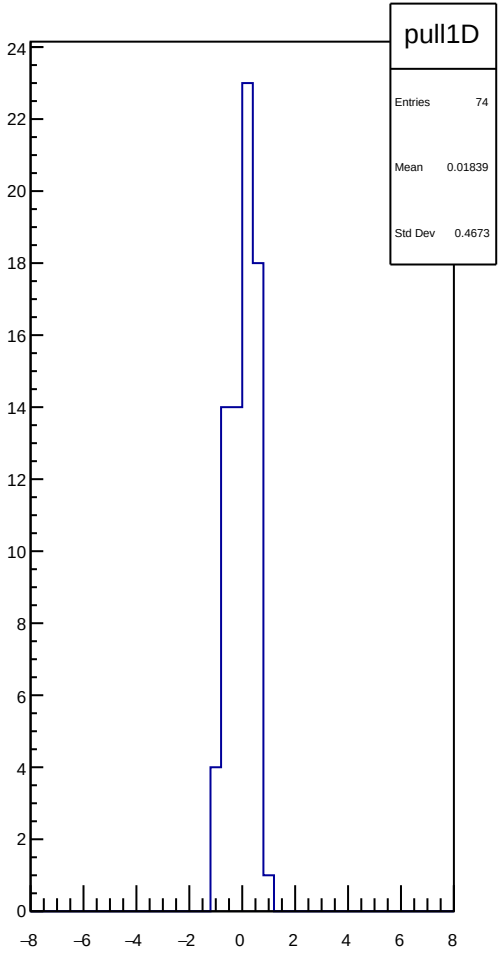

pull1D
Entries 74
Mean 0.0007209
Std Dev 1.016

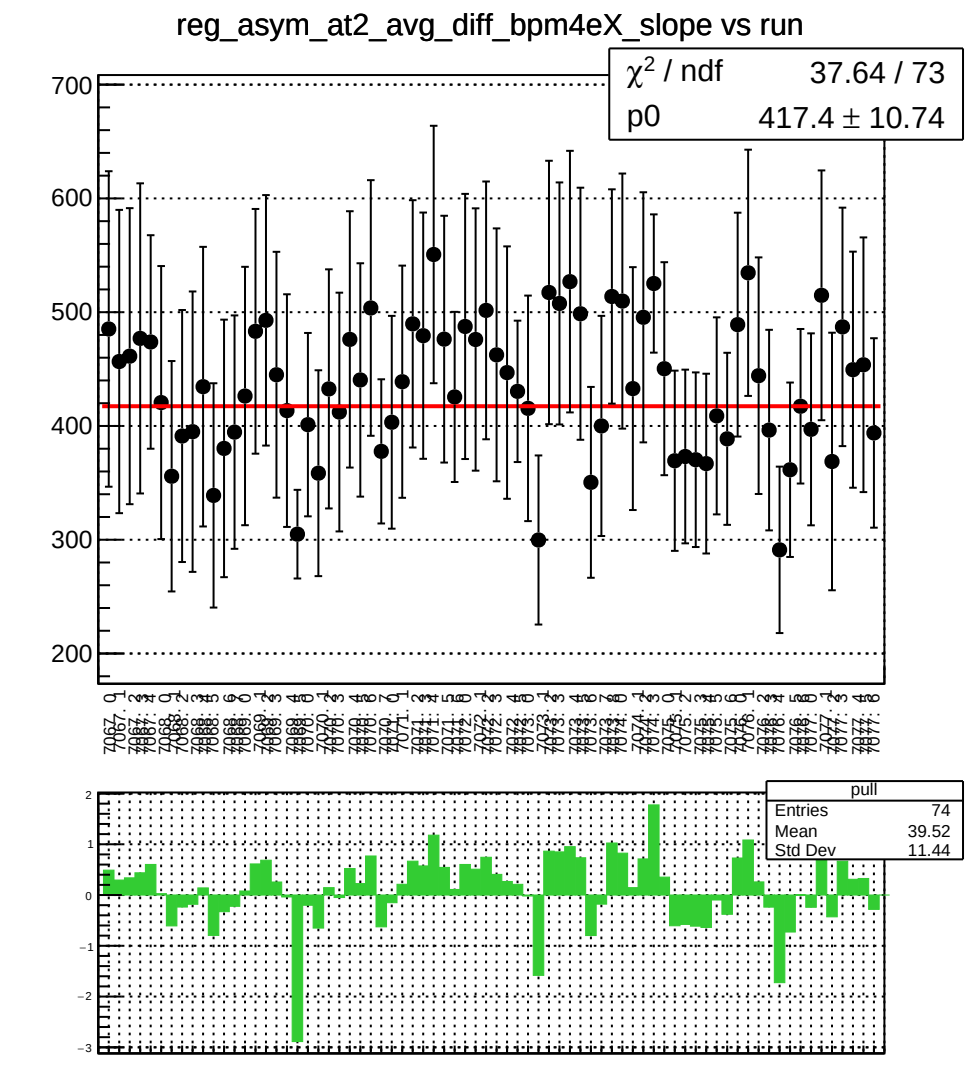

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 59.91 / 73
p0 −1.666 ± 0.06636
pull
Entries 74
Mean −1437
Std Dev 1480
pull1D
Entries 74
Mean −0.002972
Std Dev 0.8998

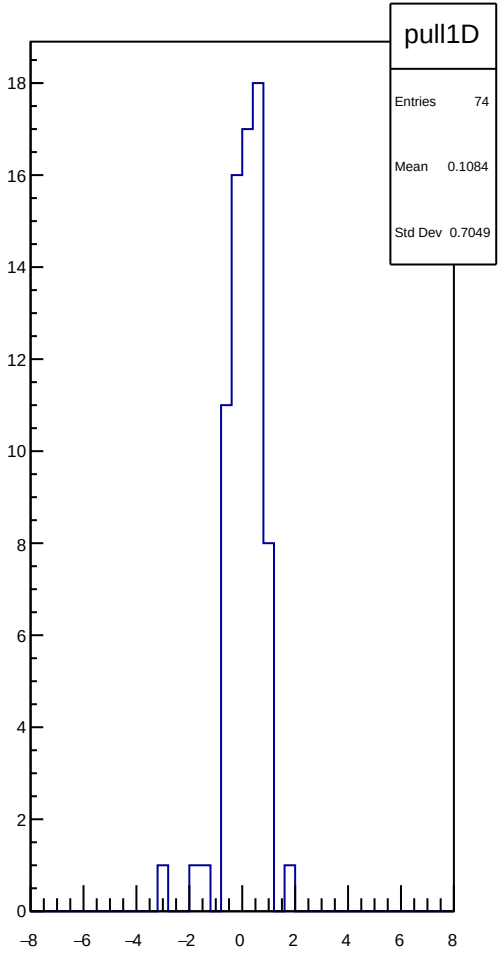

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 37.57 / 73
p0 −412.5 ± 11.16
−200
−300
−400
−500
−600
−700
pull
Entries 74
Mean 36.92
Std Dev 11.45
3
2
1
0
−1
−2

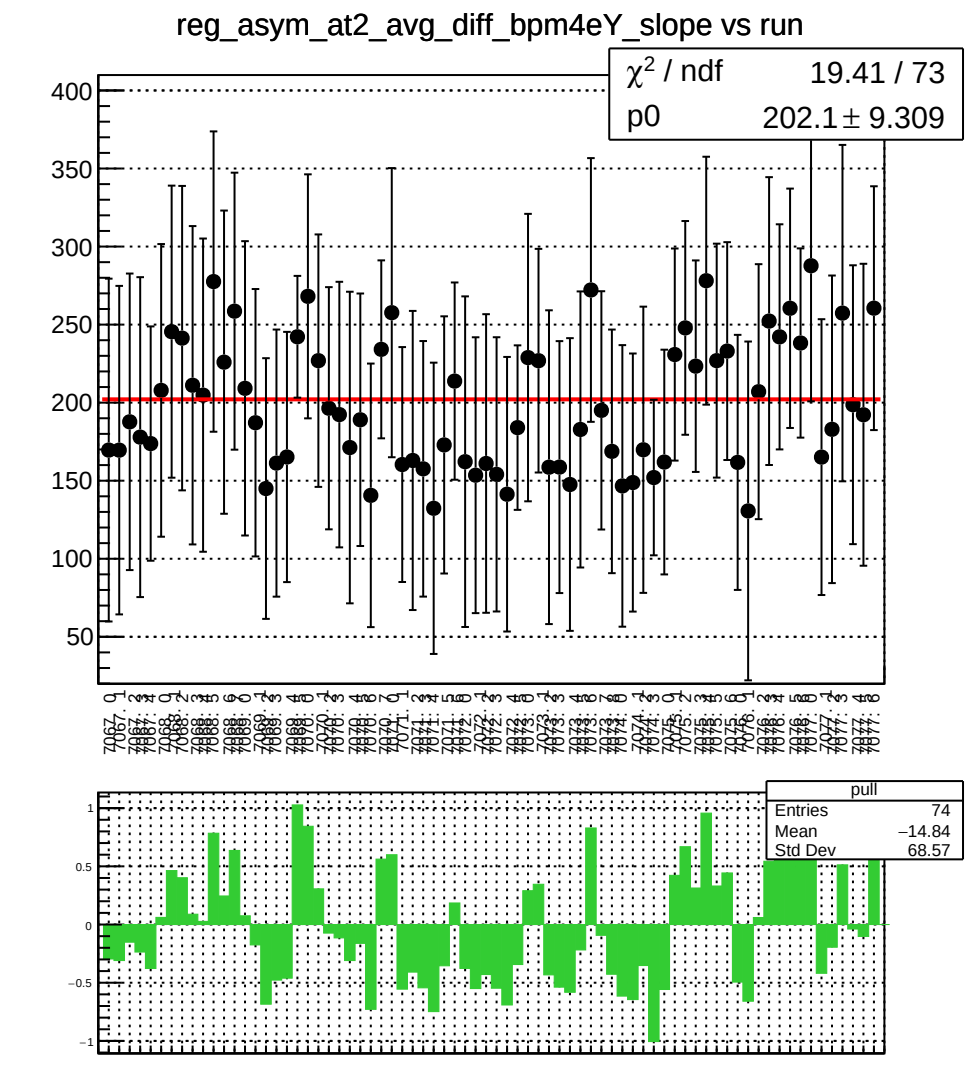

pull1D
Entries 74
Mean −0.1068
Std Dev 0.7045
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

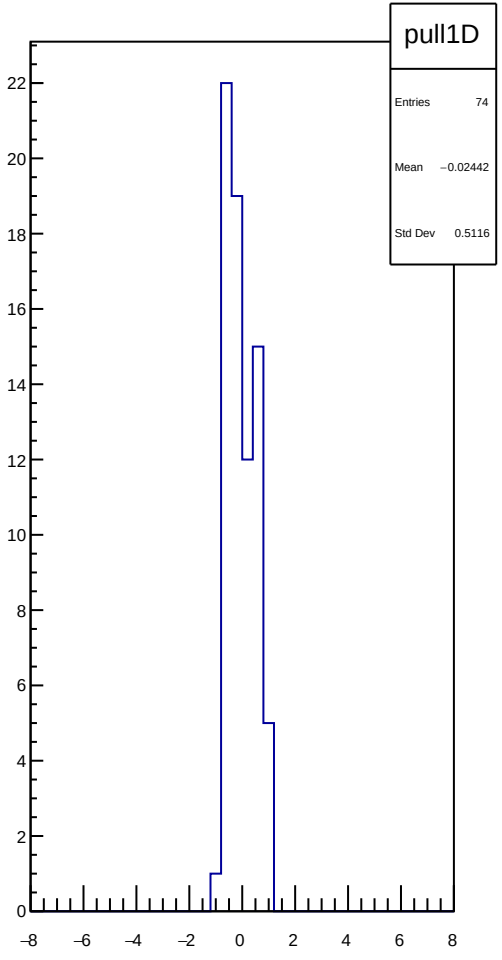

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.19 / 73
p0 −45.28 ± 8.959
pull
Entries 74
Mean −37.18
Std Dev 86.64

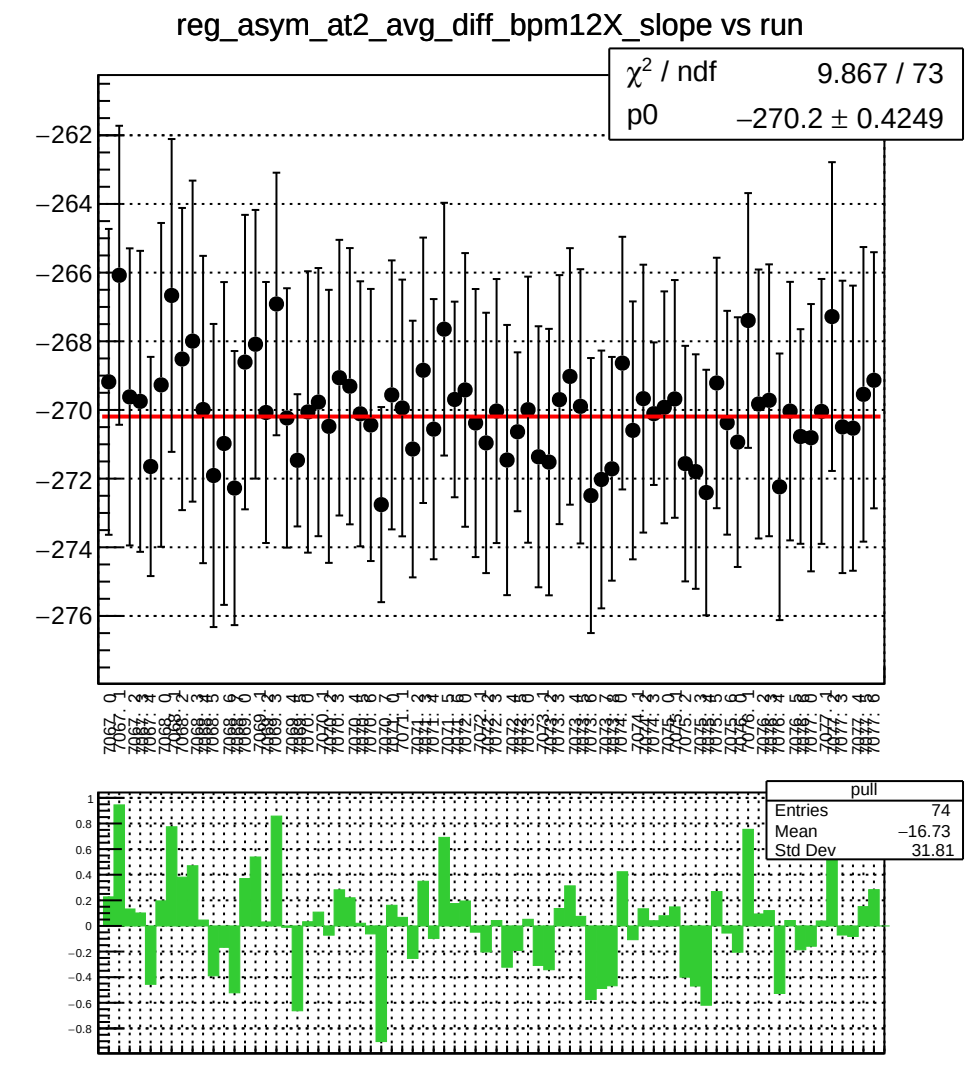

pull1D
Entries 74
Mean 0.01839
Std Dev 0.4673

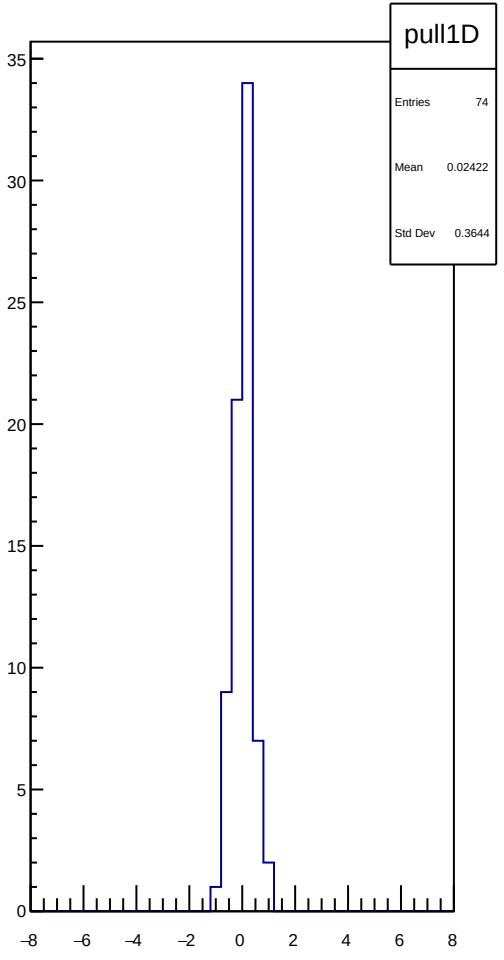

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.64 / 73
p0 417.4 ± 10.74
700
600
500
400
300
200
pull
Entries 74
Mean 39.52
Std Dev 11.44
2
1
0
−1
−2
−3

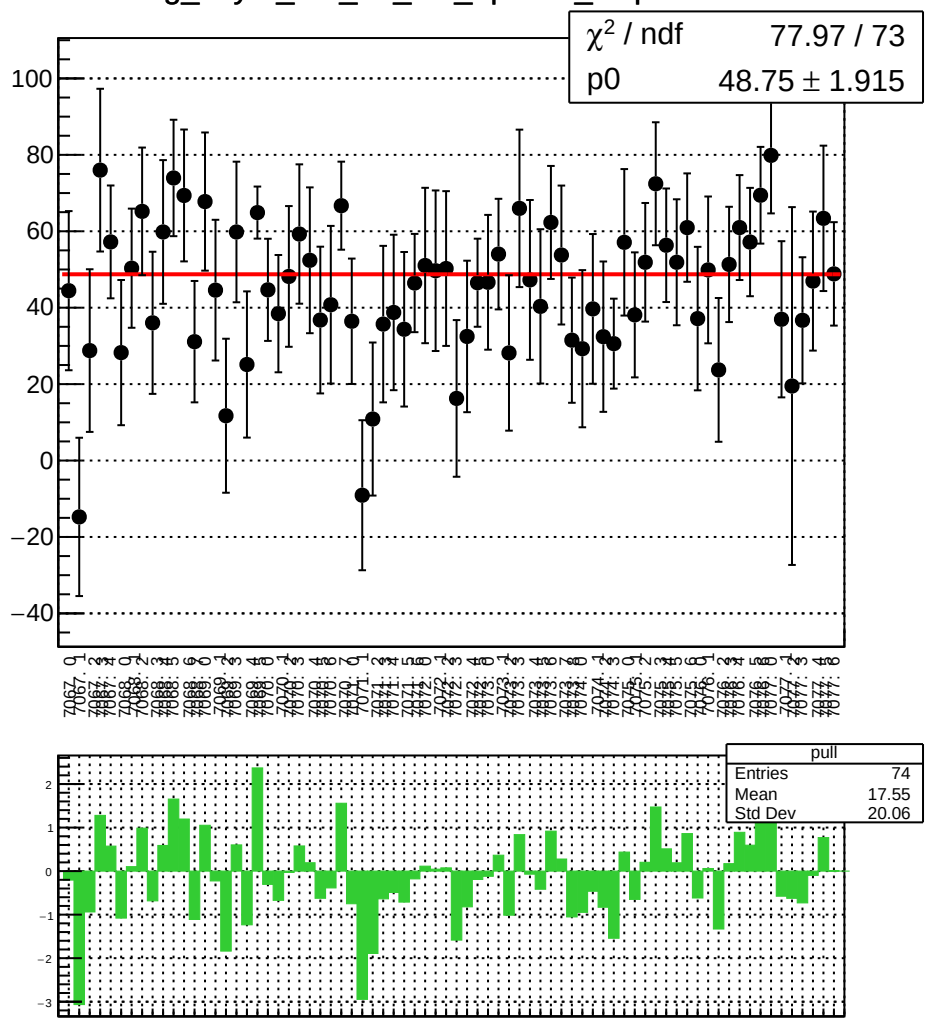

pull1D
Entries 74
Mean 0.1084
Std Dev 0.7049
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

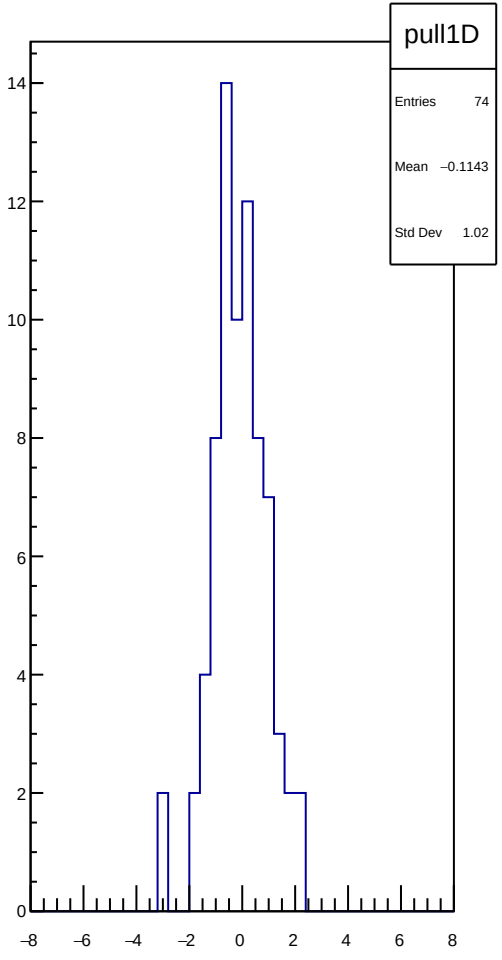

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.41 / 73
p0 202.1 ± 9.309
pull
Entries 74
Mean −14.84
Std Dev 68.57

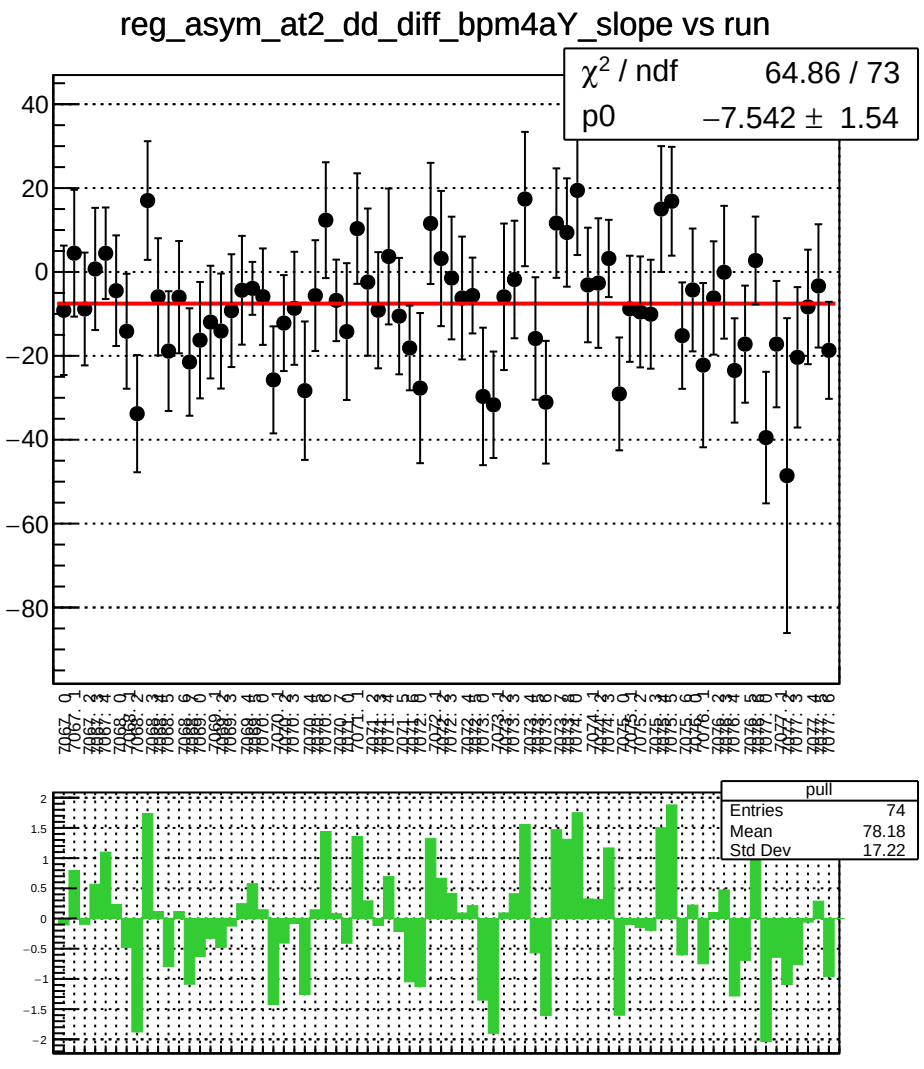

pull1D
Entries 74
Mean −0.02442
Std Dev 0.5116

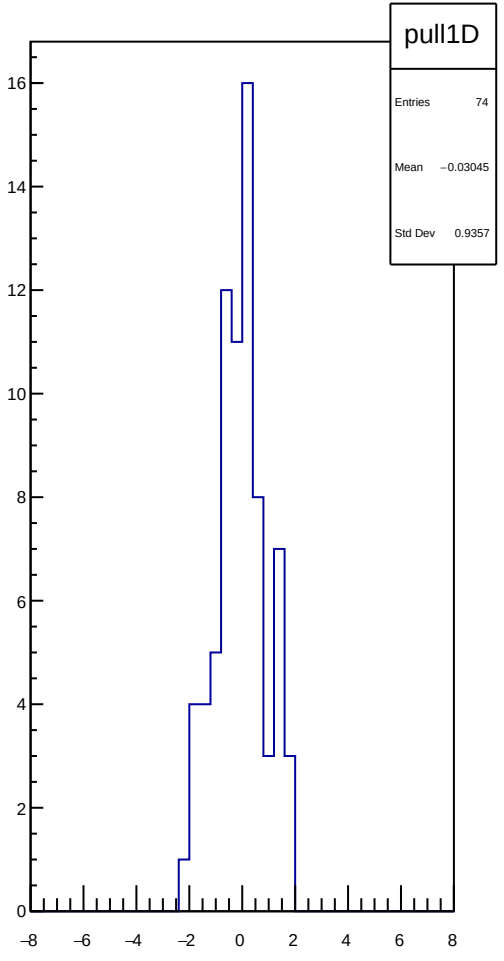

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 9.867 / 73
p0 −270.2 ± 0.4249
pull
Entries 74
Mean −16.73
Std Dev 31.81

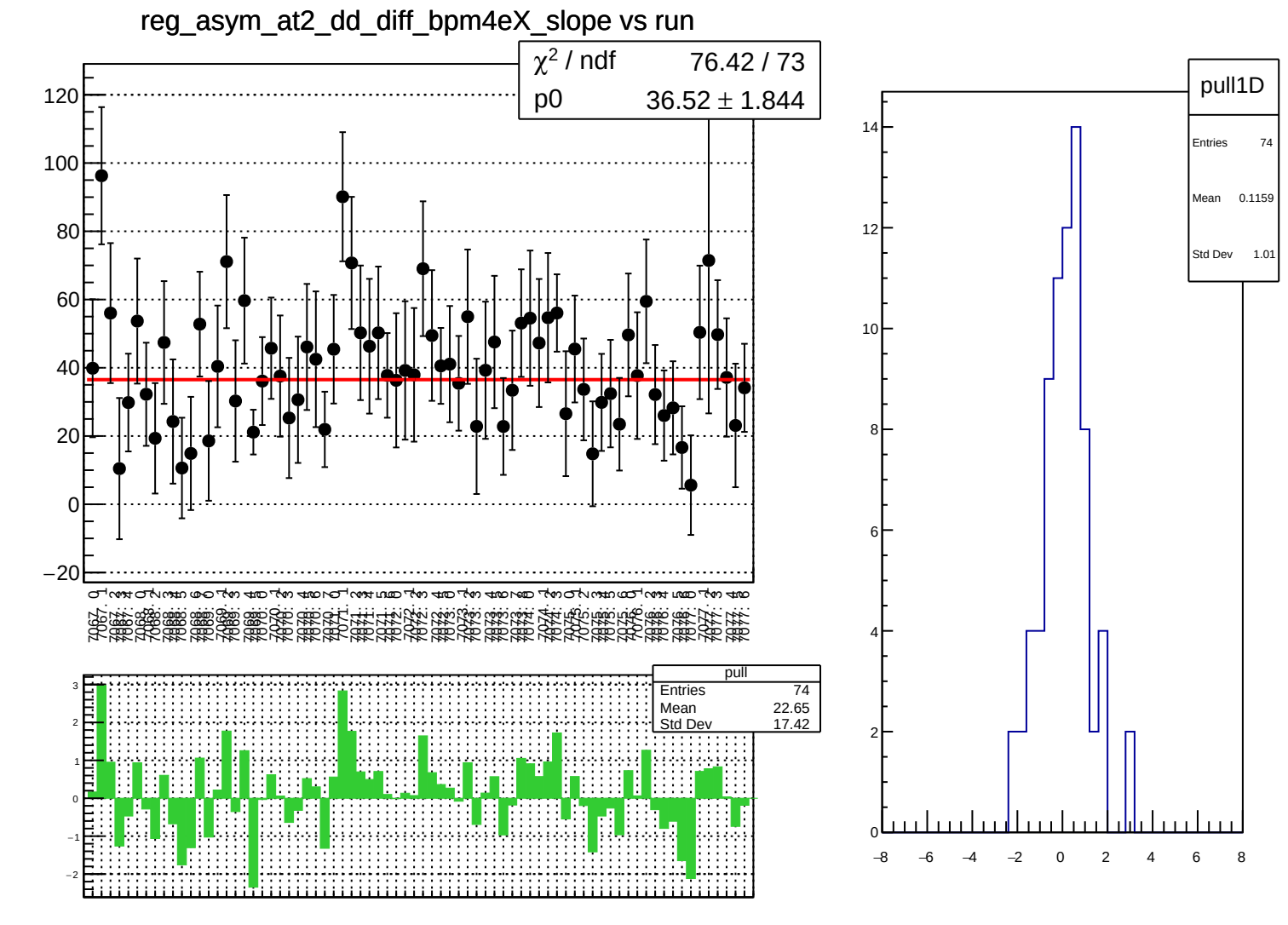

pull1D
Entries 74
Mean 0.02422
Std Dev 0.3644

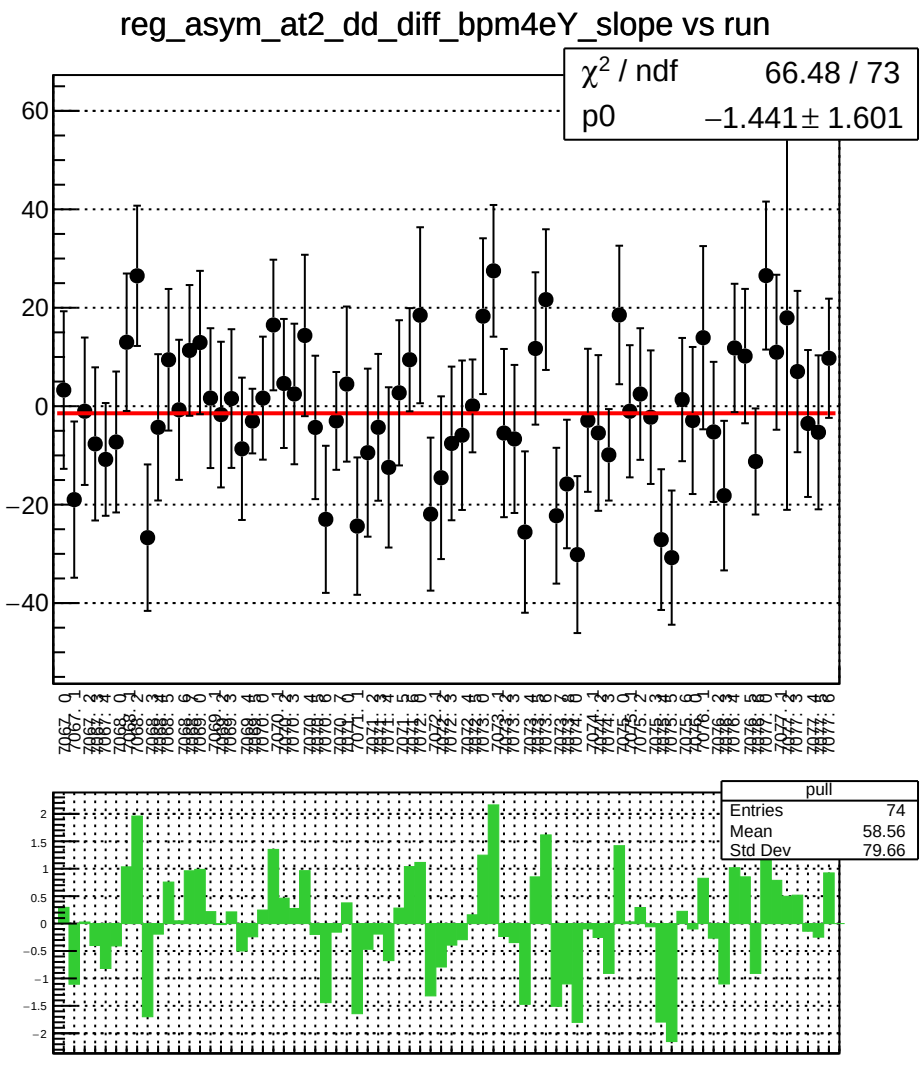

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 77.97 / 73
p0 48.75 ± 1.915
pull
Entries 74
Mean 17.55
Std Dev 20.06

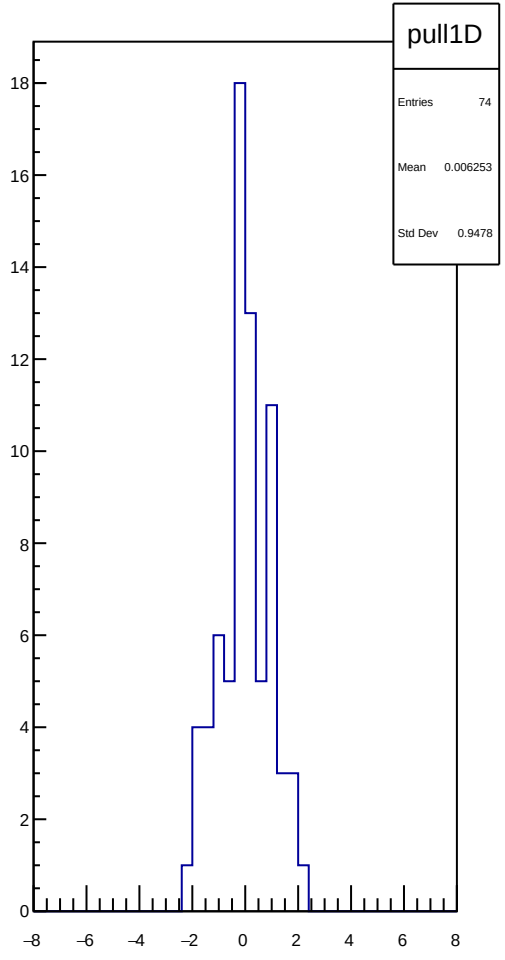

pull1D
Entries 74
Mean −0.1143
Std Dev 1.02

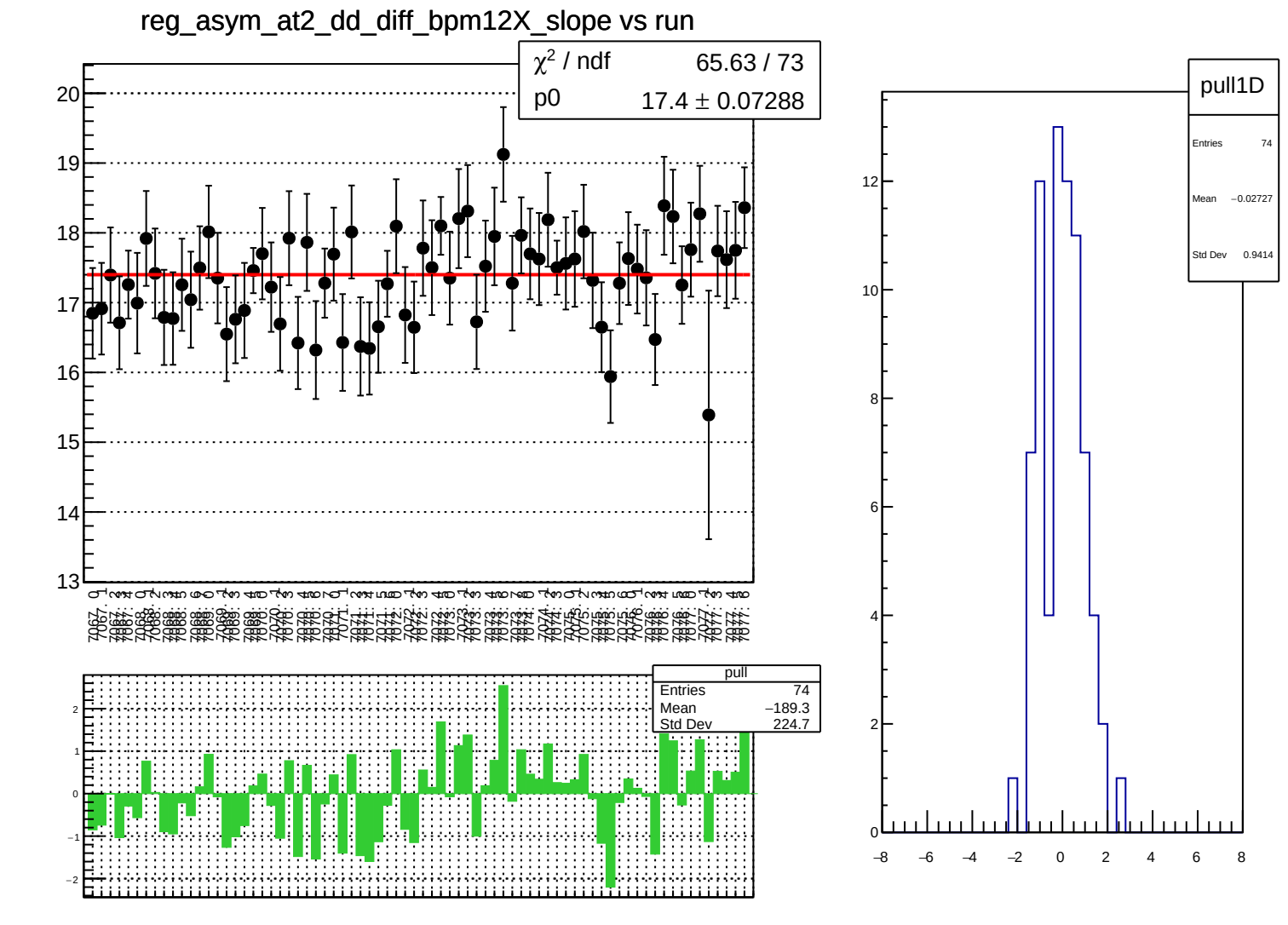

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.86 / 73
p0 −7.542 ± 1.54
pull
Entries 74
Mean 78.18
Std Dev 17.22

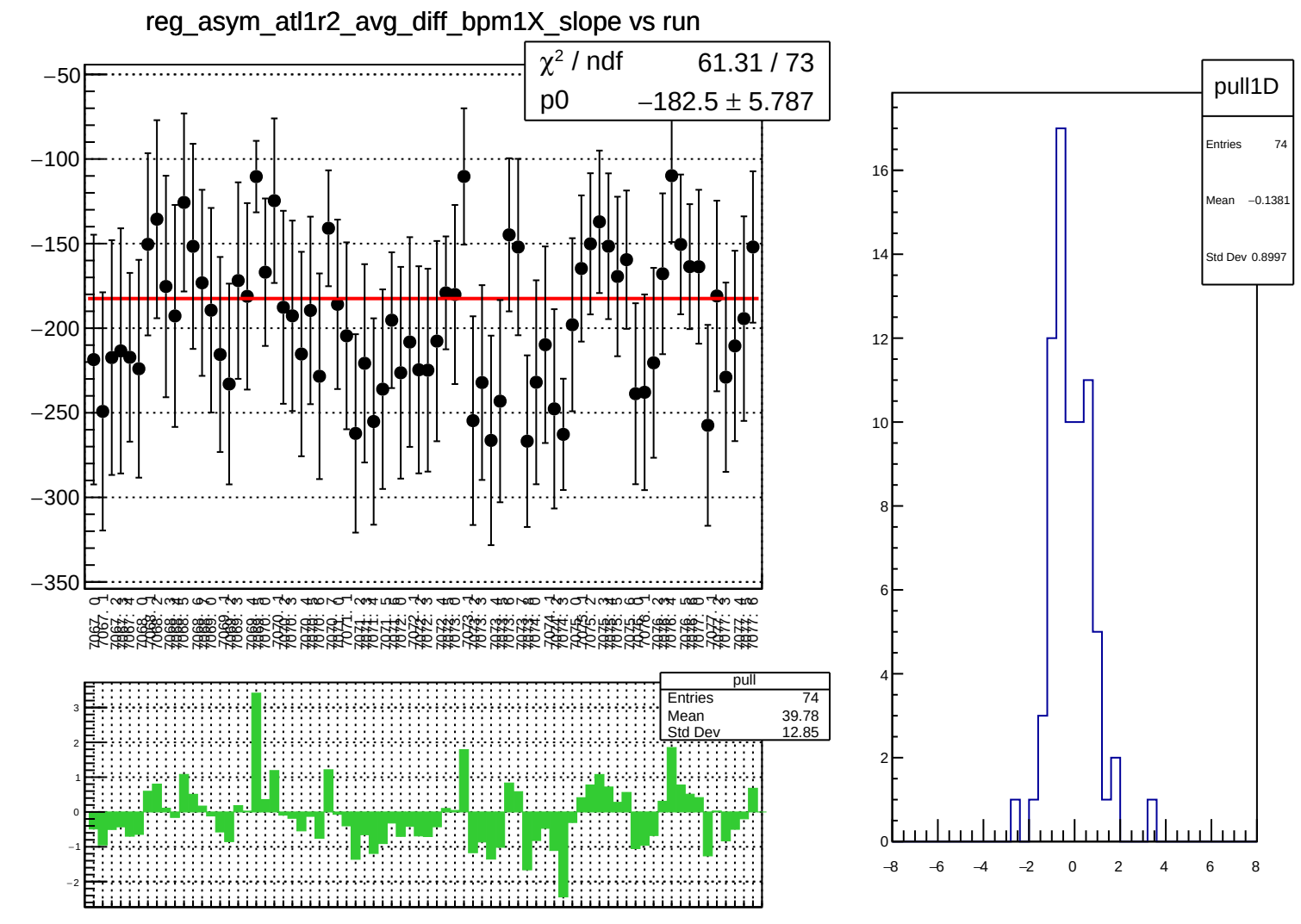

pull1D
Entries 74
Mean −0.03045
Std Dev 0.9357

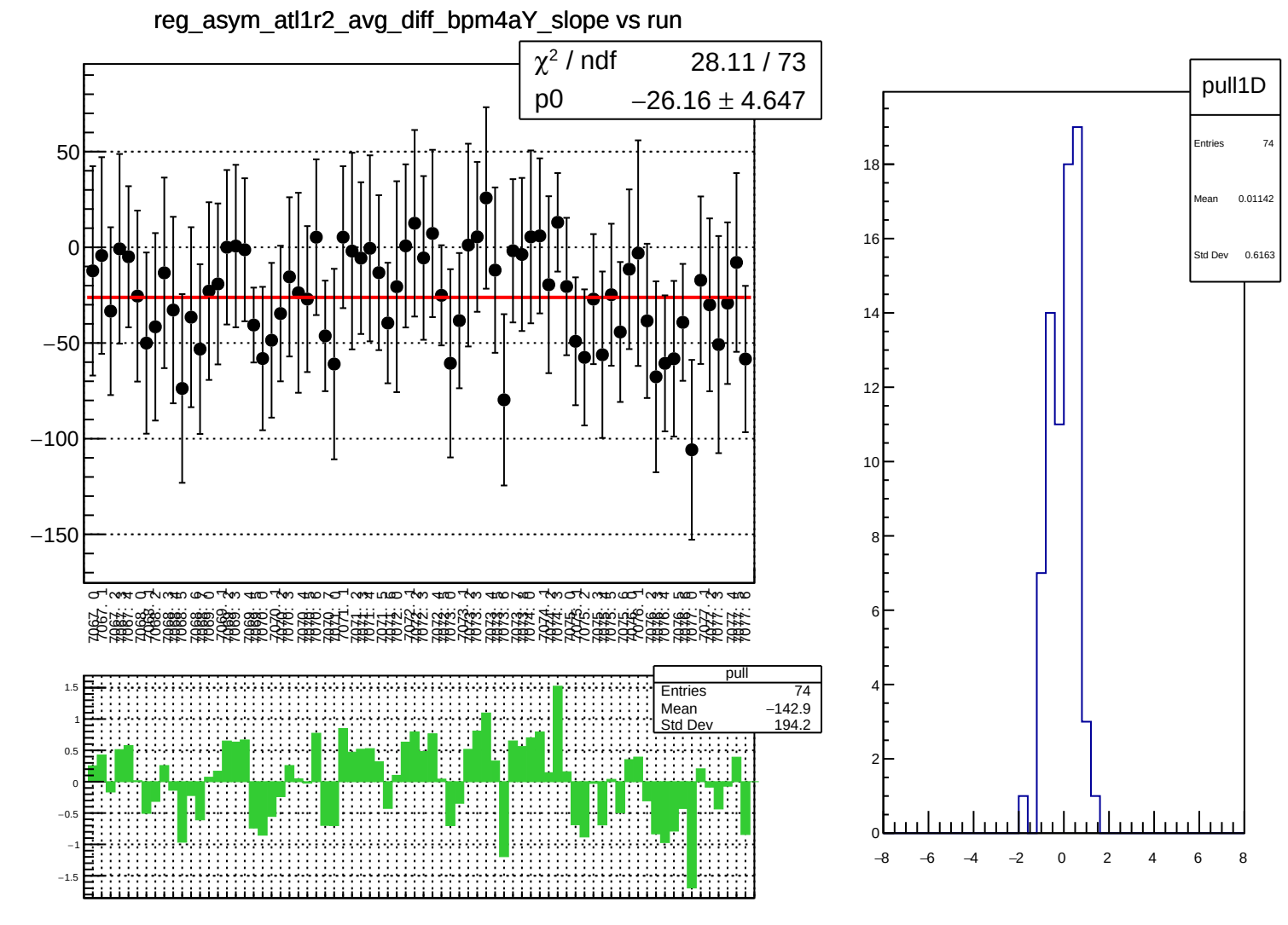

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.42 / 73
p0 36.52 ± 1.844
pull
Entries 74
Mean 22.65
Std Dev 17.42
pull1D
Entries 74
Mean 0.1159
Std Dev 1.01

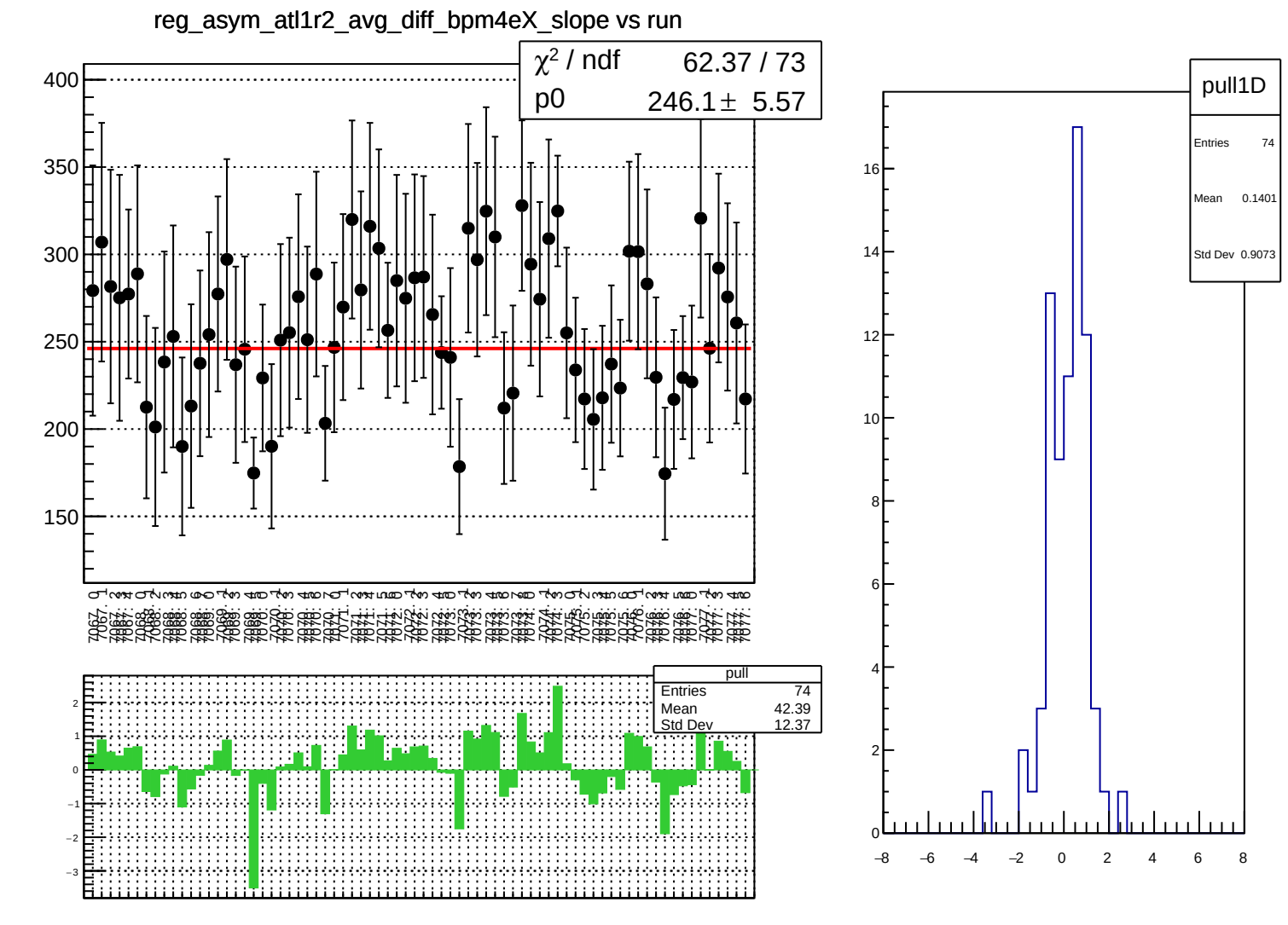

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.48 / 73
p0 −1.441 ± 1.601
pull
Entries 74
Mean 58.56
Std Dev 79.66

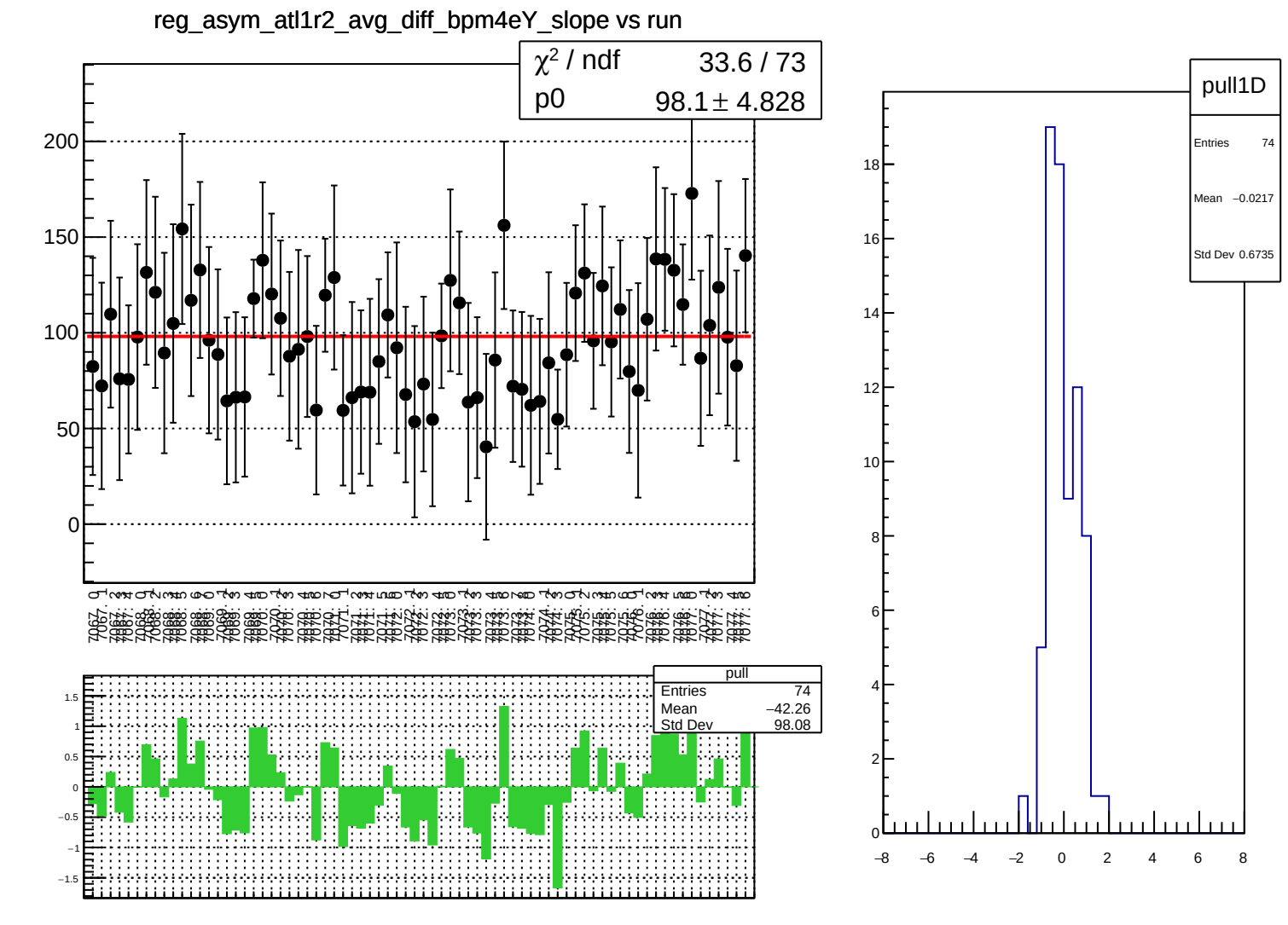

pull1D
Entries 74
Mean 0.006253
Std Dev 0.9478

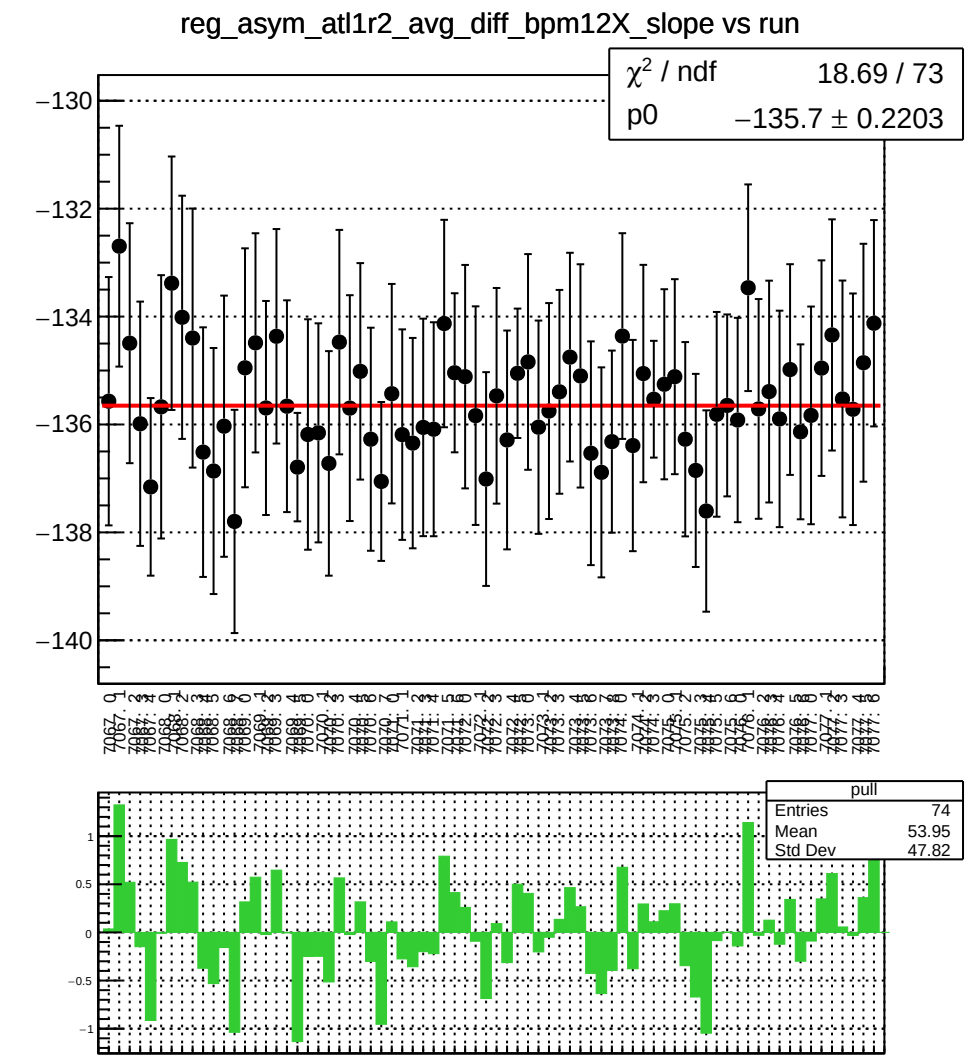

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 65.63 / 73
p0 17.4 ± 0.07288
pull
Entries 74
Mean −189.3
Std Dev 224.7
pull1D
Entries 74
Mean −0.02727
Std Dev 0.9414

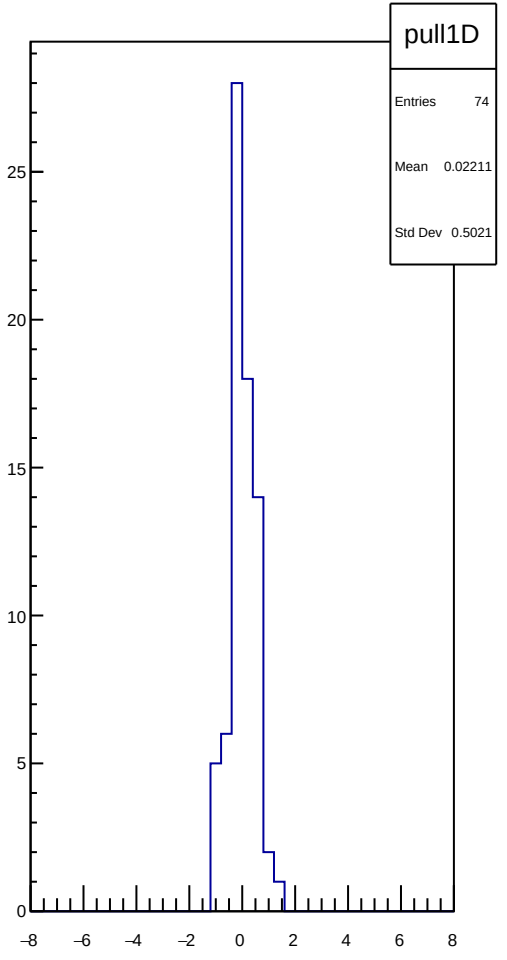

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 61.31 / 73
p0 −182.5 ± 5.787
pull
Entries 74
Mean 39.78
Std Dev 12.85
pull1D
Entries 74
Mean −0.1381
Std Dev 0.8997

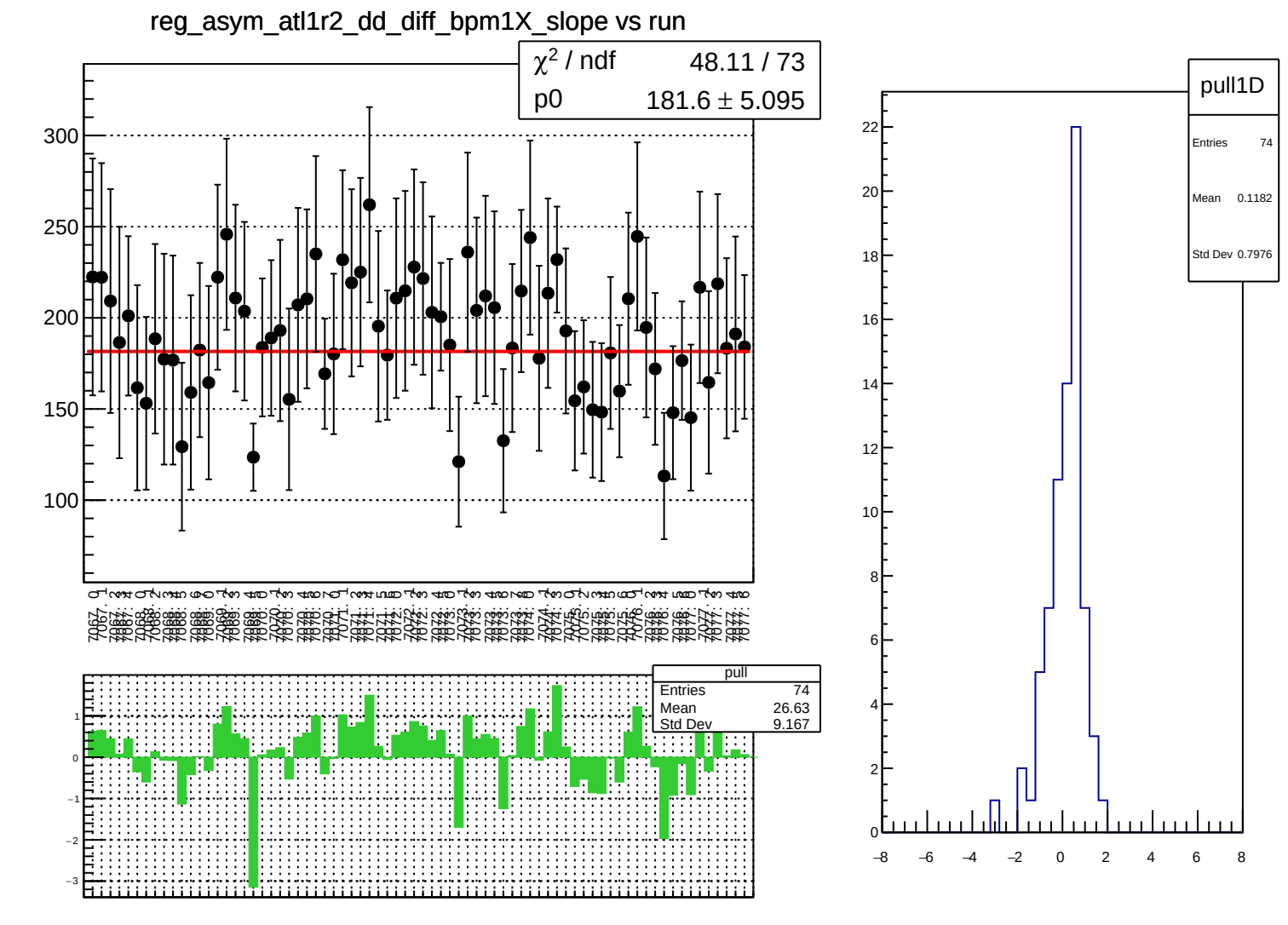

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.11 / 73
p0 −26.16 ± 4.647
pull
Entries 74
Mean −142.9
Std Dev 194.2
pull1D
Entries 74
Mean 0.01142
Std Dev 0.6163

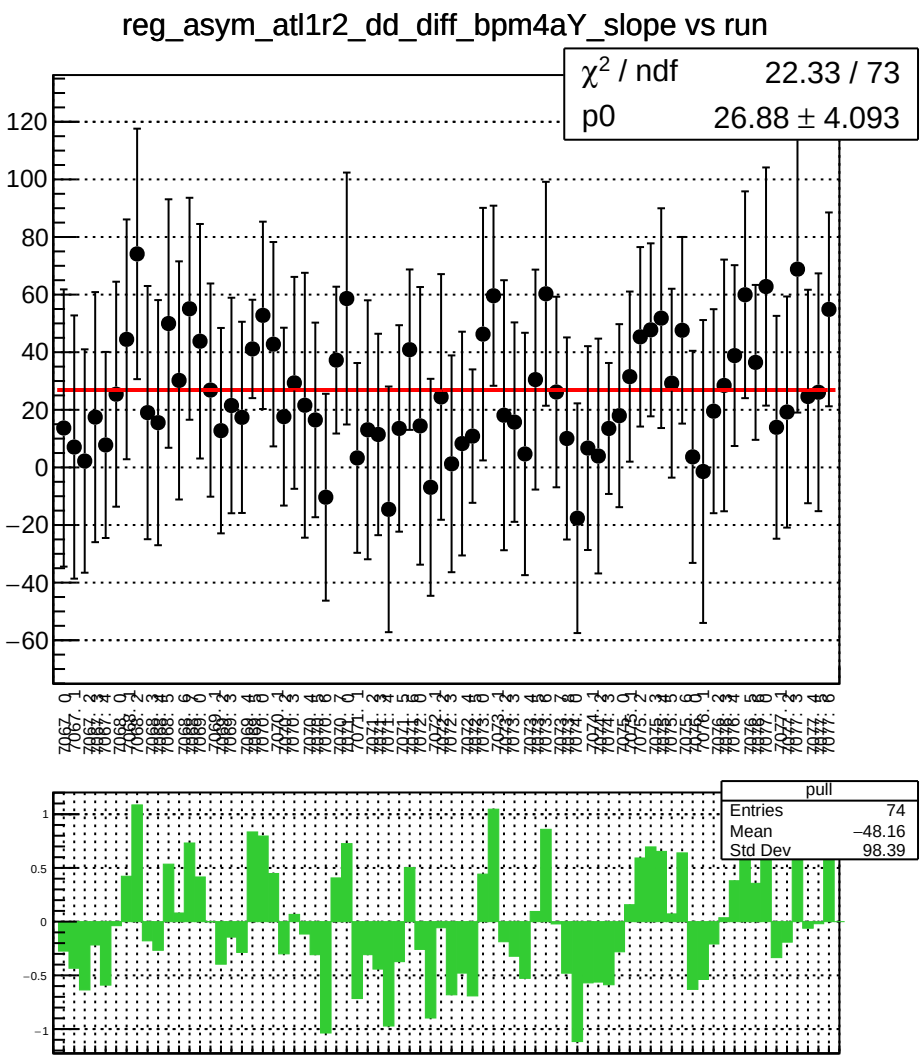

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.37 / 73
p0 246.1 ± 5.57
pull
Entries 74
Mean 42.39
Std Dev 12.37
pull1D
Entries 74
Mean 0.1401
Std Dev 0.9073

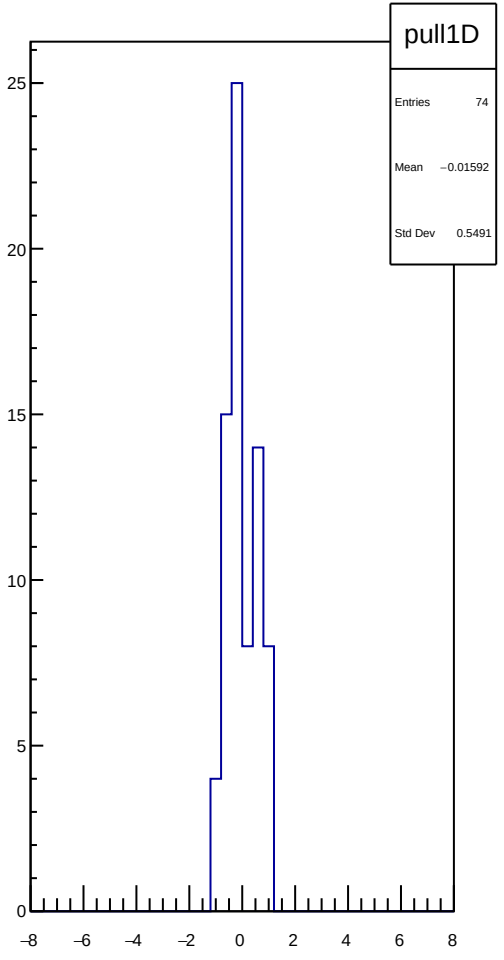

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.6 / 73
p0 98.1 ± 4.828
pull
Entries 74
Mean −42.26
Std Dev 98.08
pull1D
Entries 74
Mean −0.0217
Std Dev 0.6735

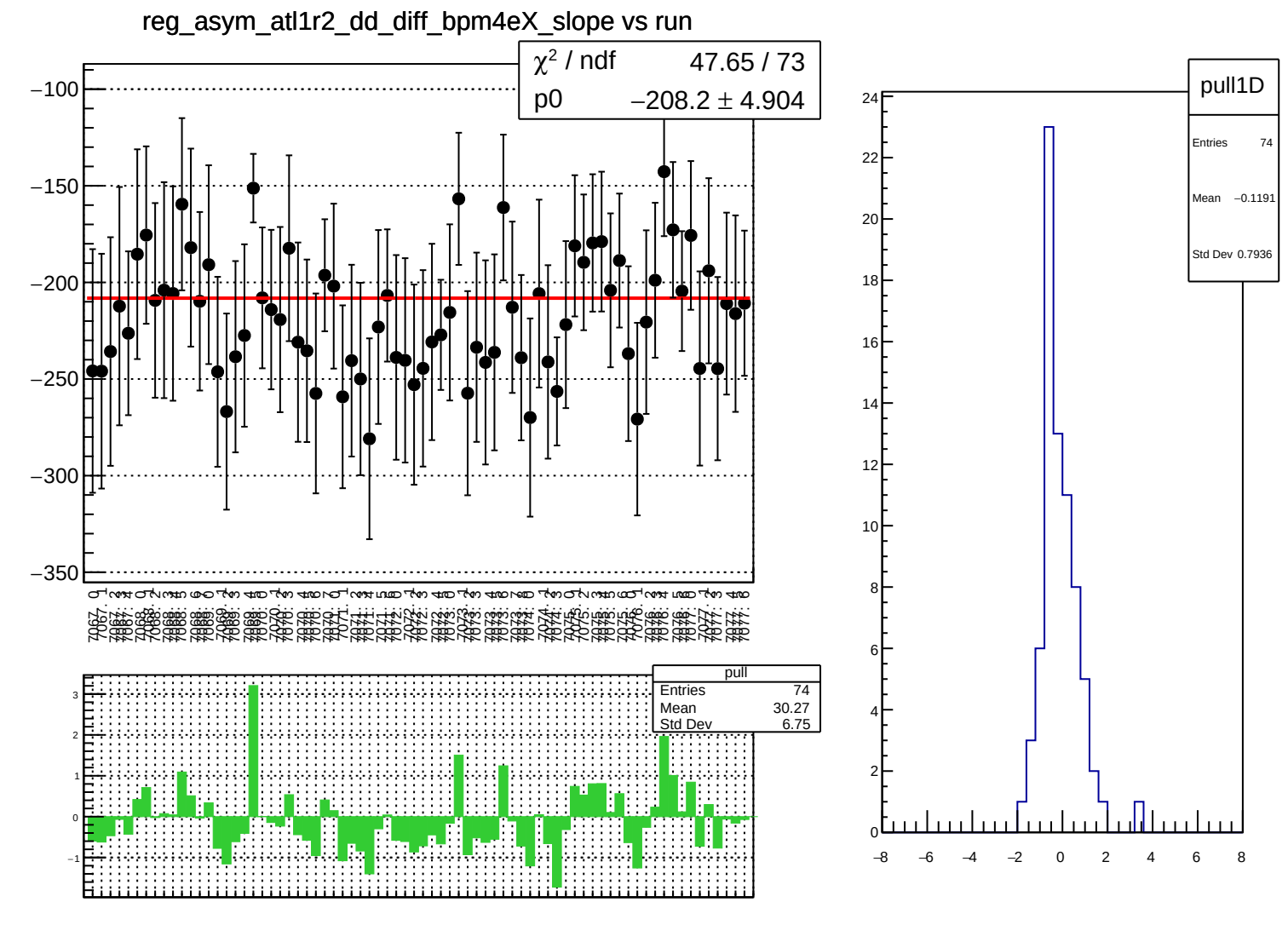

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 18.69 / 73
p0 −135.7 ± 0.2203
−130
−132
−134
−136
−138
−140
pull
Entries 74
Mean 53.95
Std Dev 47.82
1
0.5
0
−0.5
−1

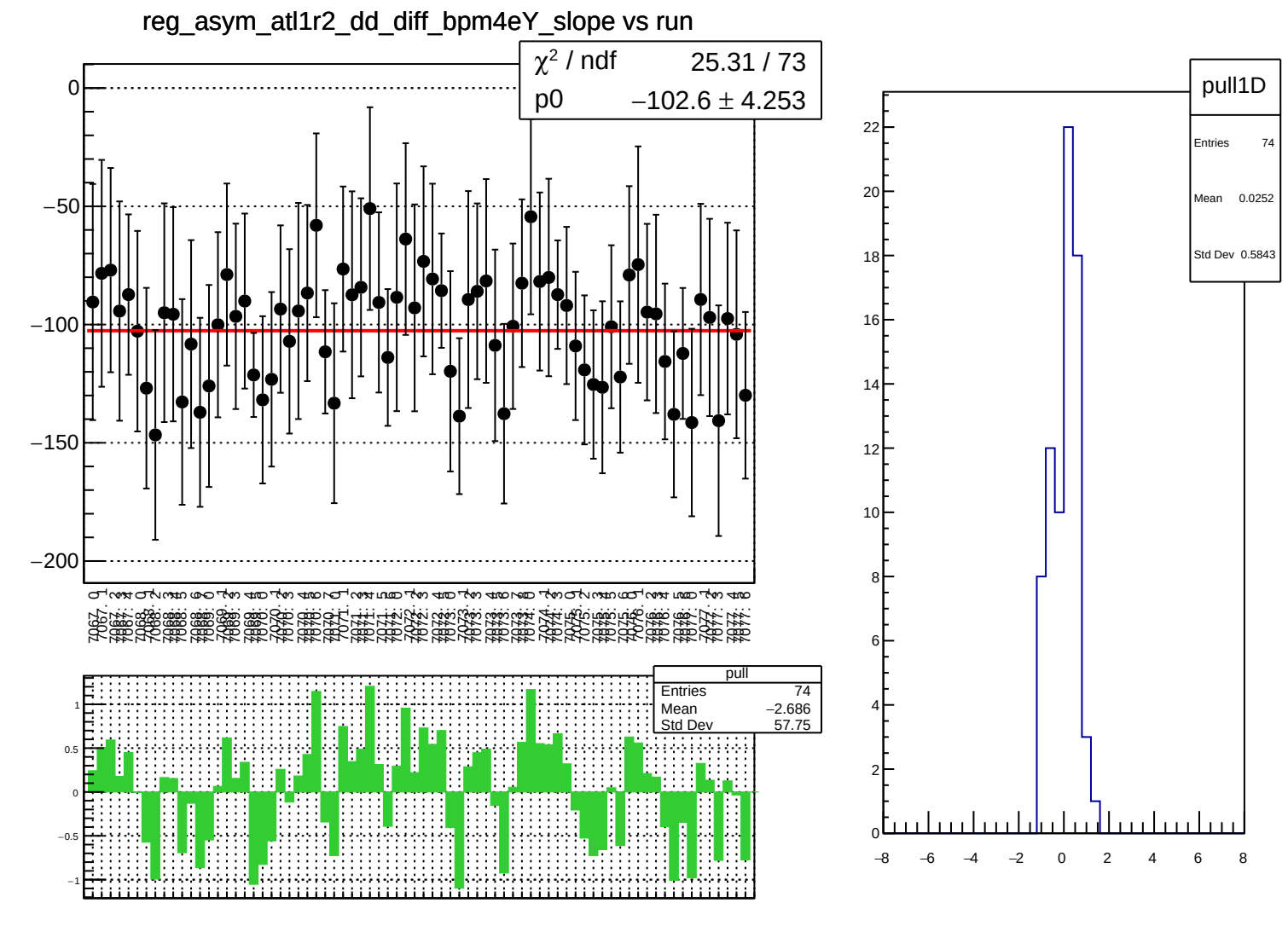

pull1D
Entries 74
Mean 0.02211
Std Dev 0.5021
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

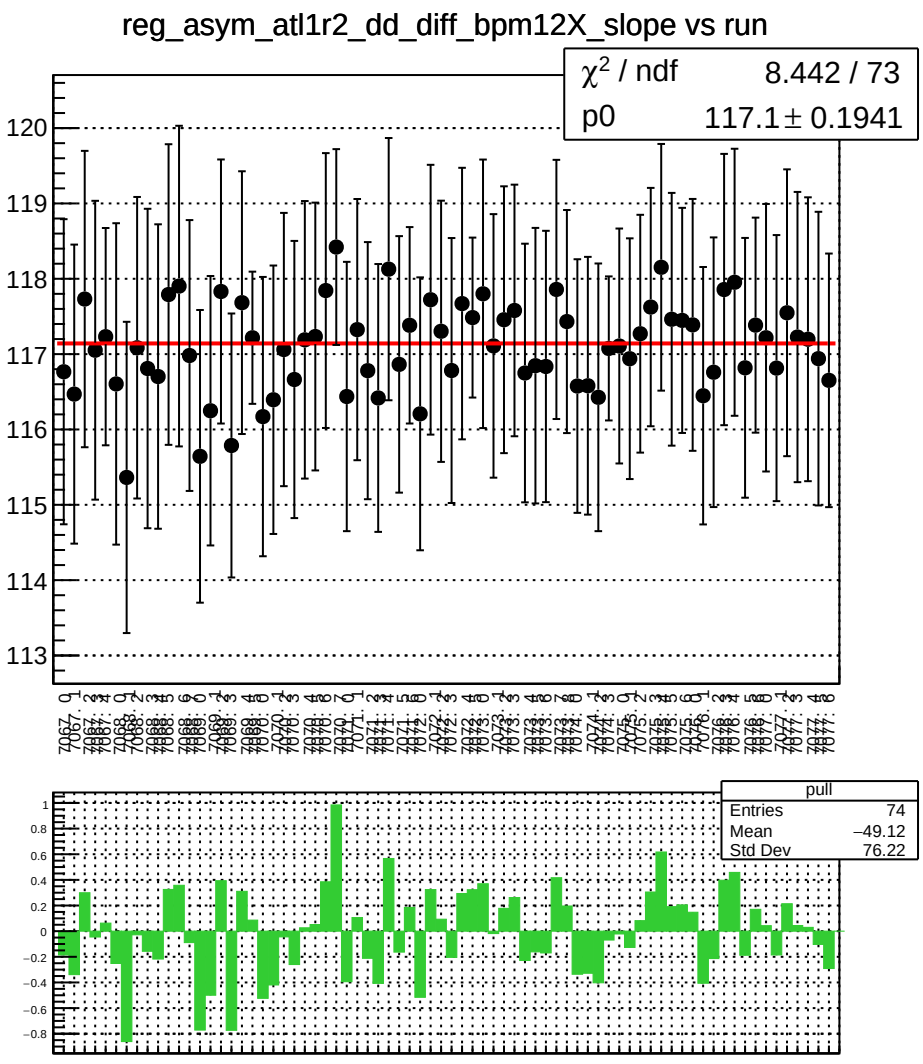

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 48.11 / 73
p0 181.6 ± 5.095
300
250
200
150
100
pull
Entries 74
Mean 26.63
Std Dev 9.167
1
0
−1
−2
−3
pull1D
Entries 74
Mean 0.1182
Std Dev 0.7976
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

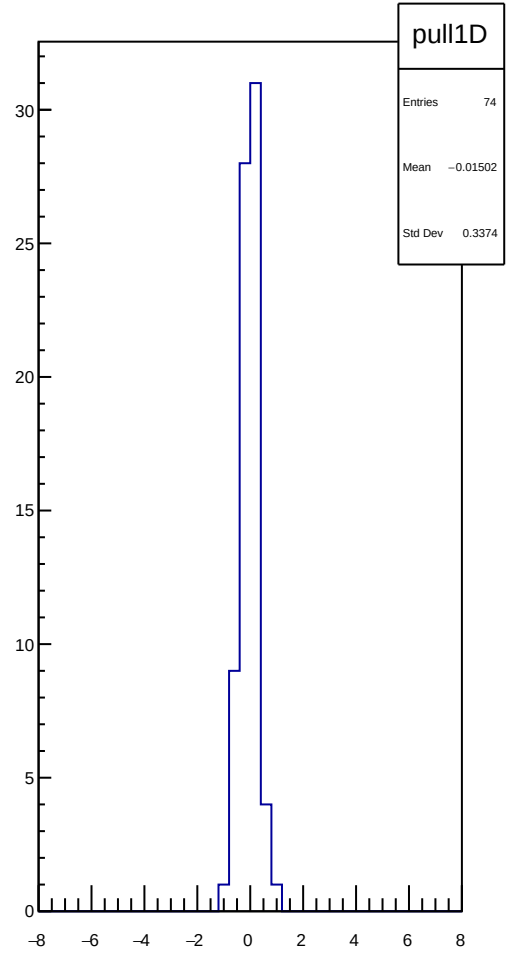

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.33 / 73
p0 26.88 ± 4.093
pull
Entries 74
Mean −48.16
Std Dev 98.39

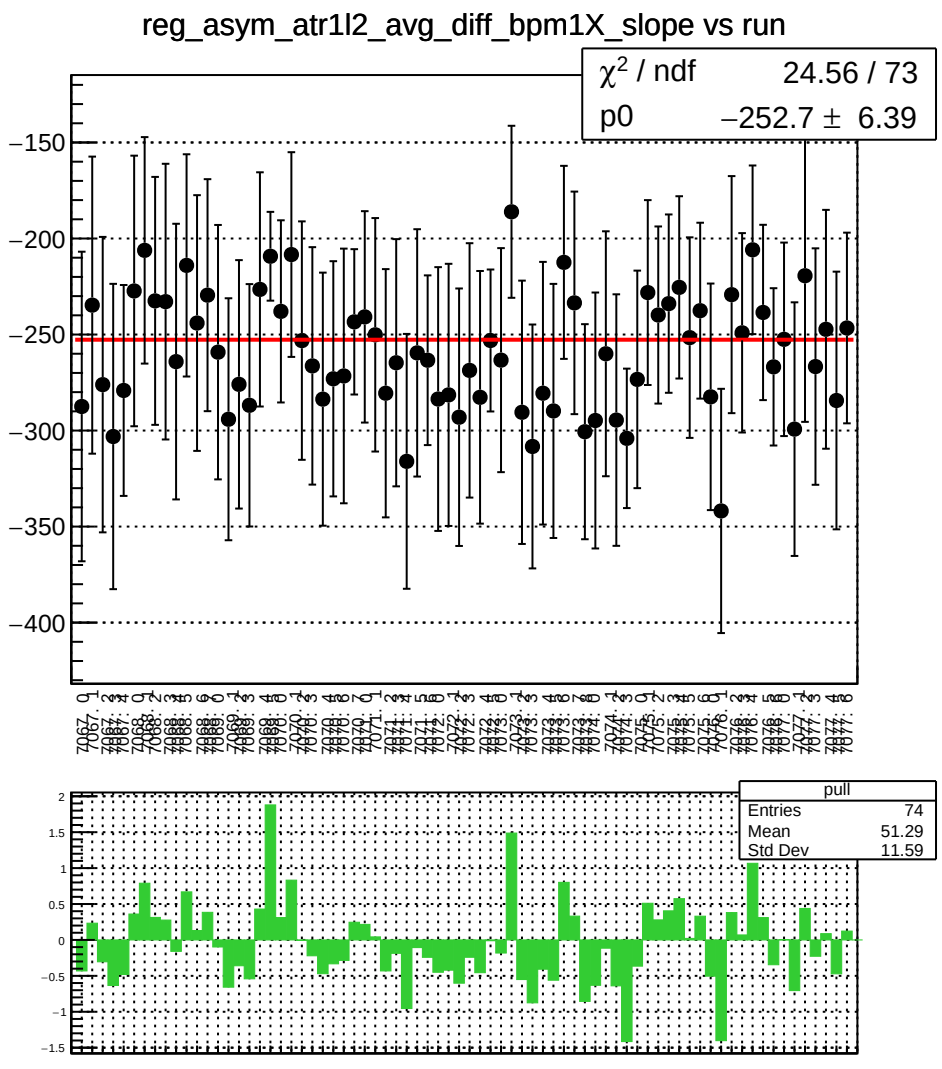

pull1D
Entries 74
Mean −0.01592
Std Dev 0.5491

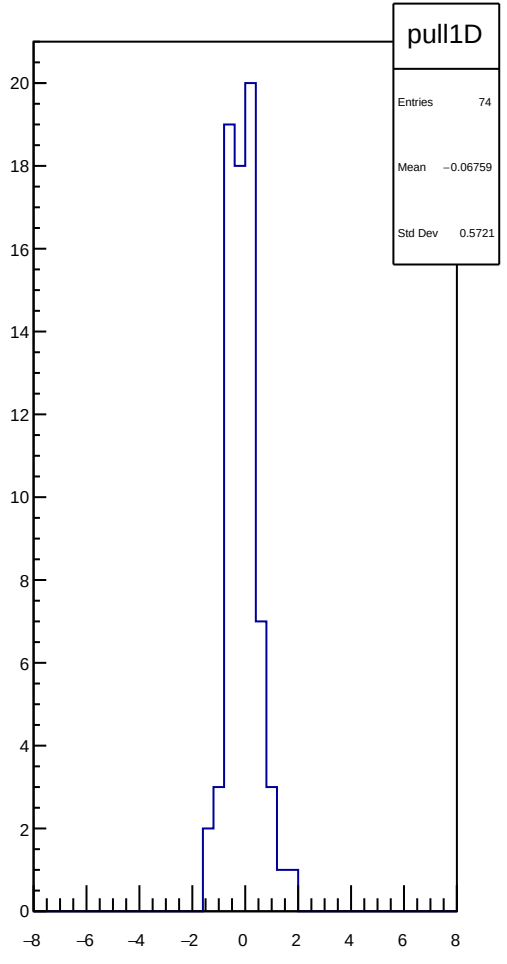

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.65 / 73
p0 −208.2 ± 4.904
pull
Entries 74
Mean 30.27
Std Dev 6.75
pull1D
Entries 74
Mean −0.1191
Std Dev 0.7936

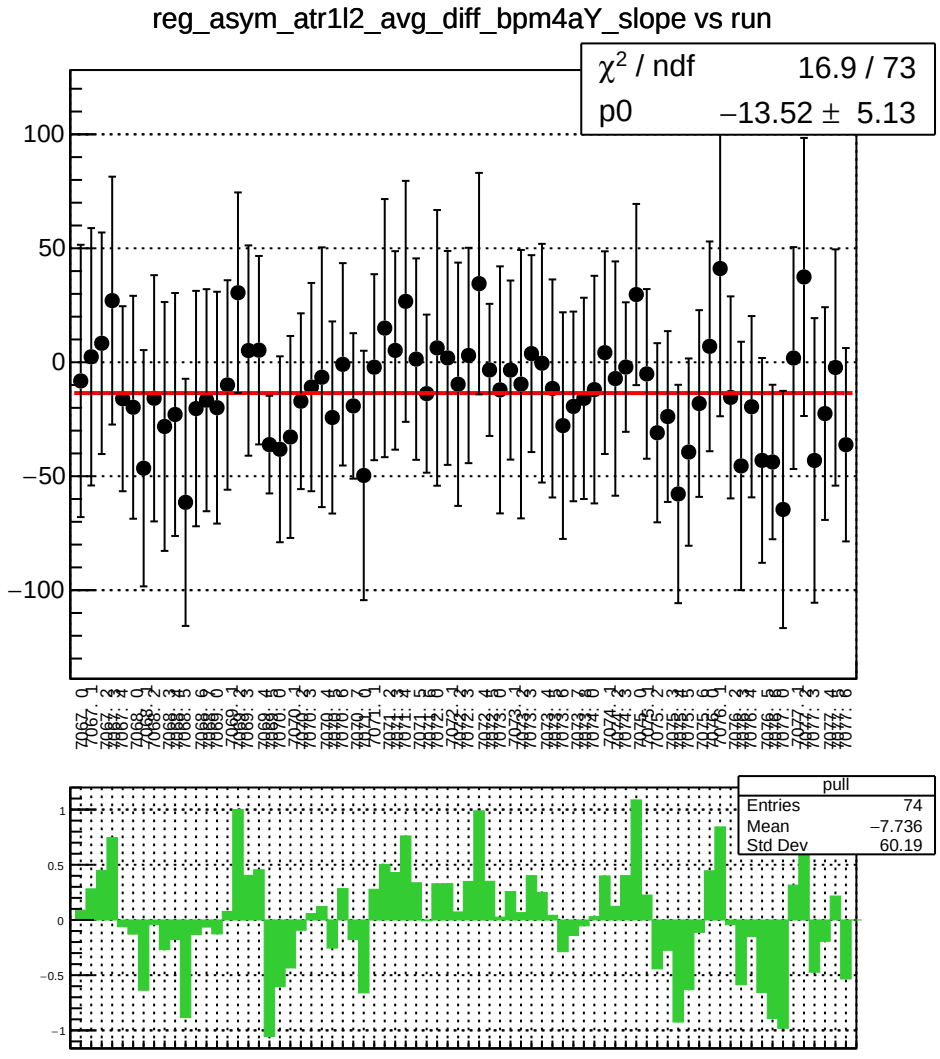

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.31 / 73
p0 −102.6 ± 4.253
pull
Entries 74
Mean −2.686
Std Dev 57.75
pull1D
Entries 74
Mean 0.0252
Std Dev 0.5843

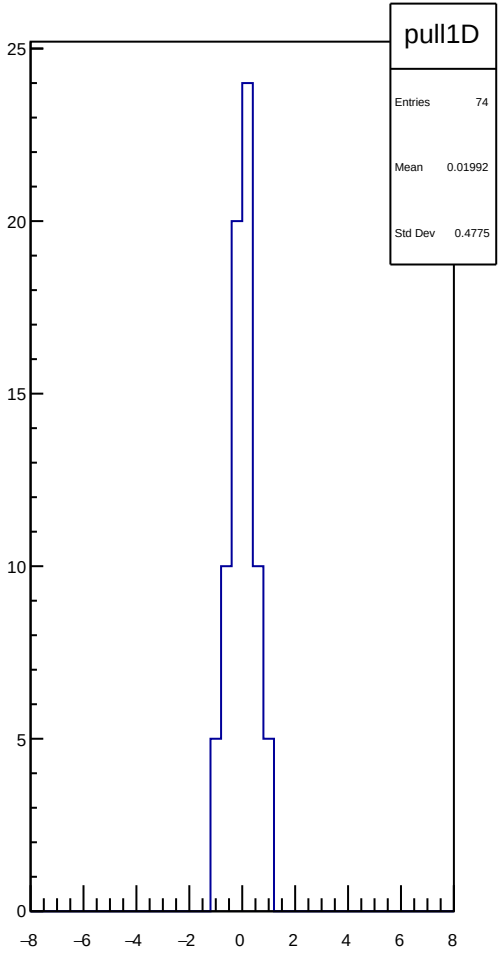

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.442 / 73
p0 117.1 ± 0.1941
pull
Entries 74
Mean −49.12
Std Dev 76.22

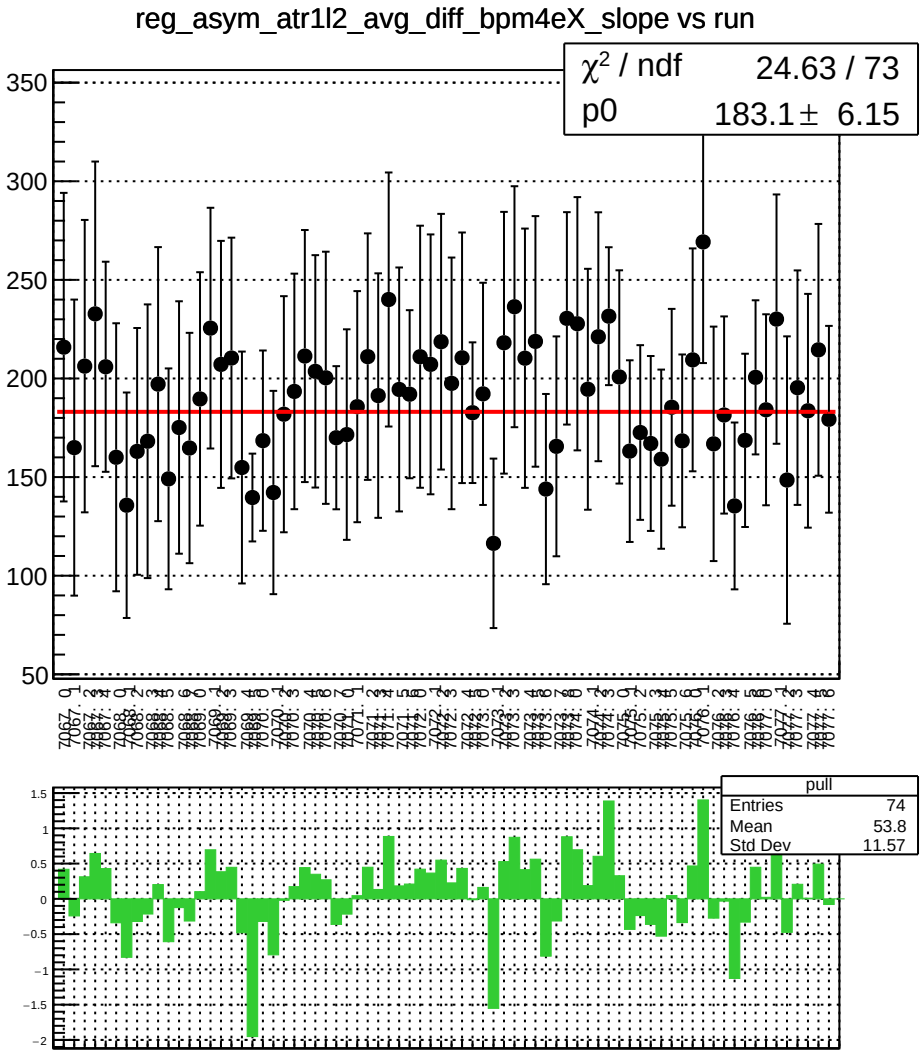

pull1D
Entries 74
Mean −0.01502
Std Dev 0.3374

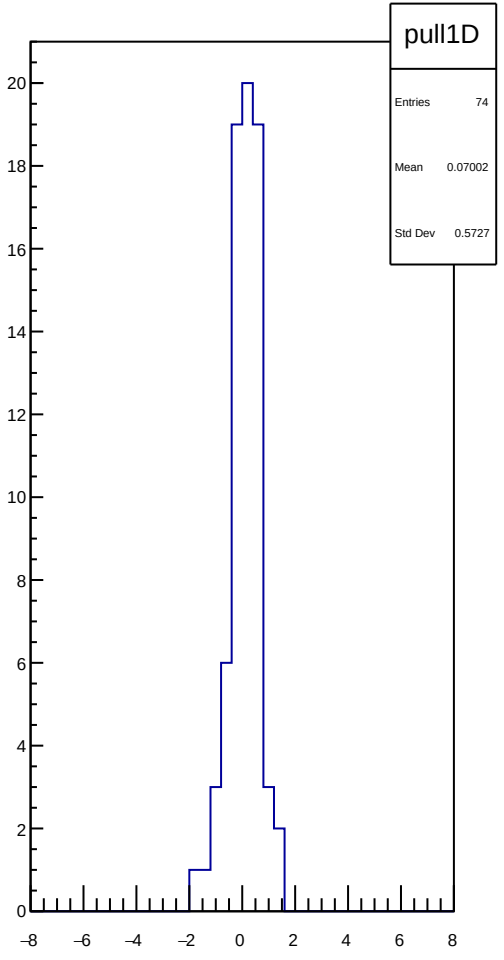

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 24.56 / 73
p0 −252.7 ± 6.39
pull
Entries 74
Mean 51.29
Std Dev 11.59

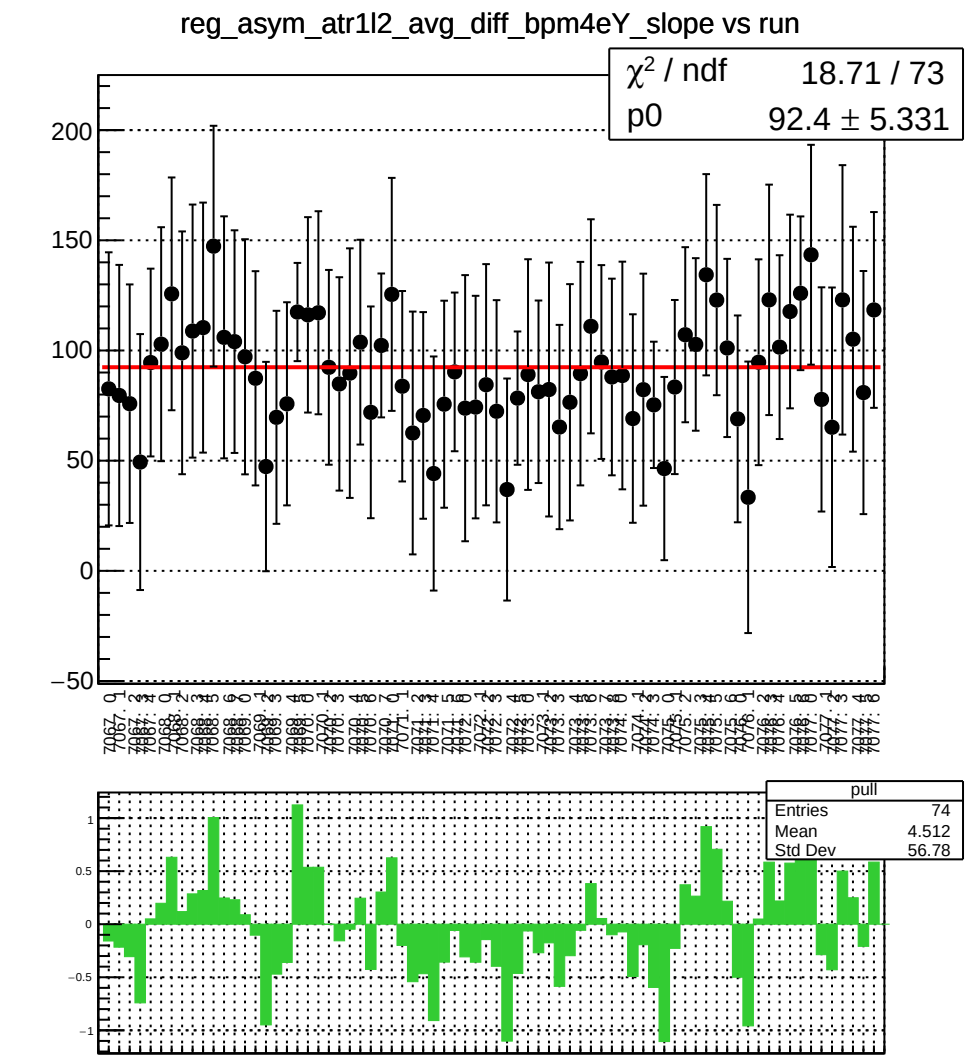

pull1D
Entries 74
Mean −0.06759
Std Dev 0.5721

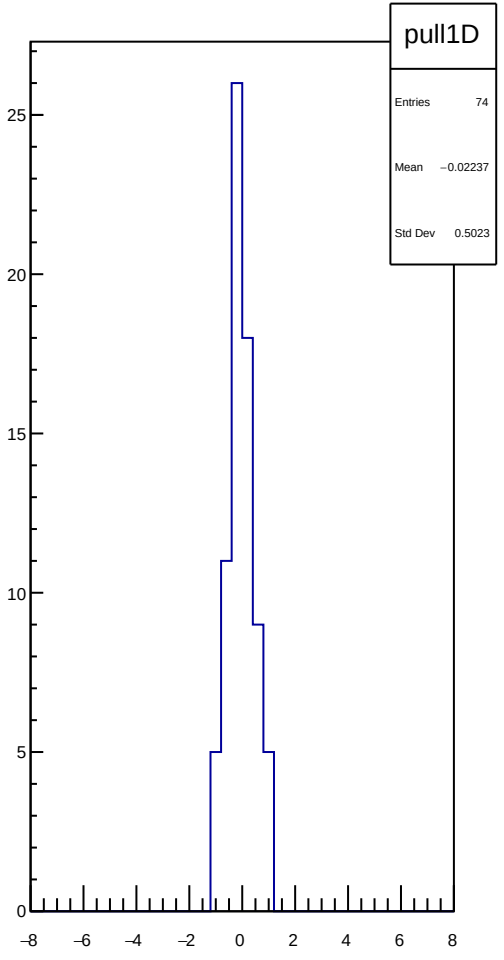

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.9 / 73
p0 −13.52 ± 5.13
pull
Entries 74
Mean −7.736
Std Dev 60.19

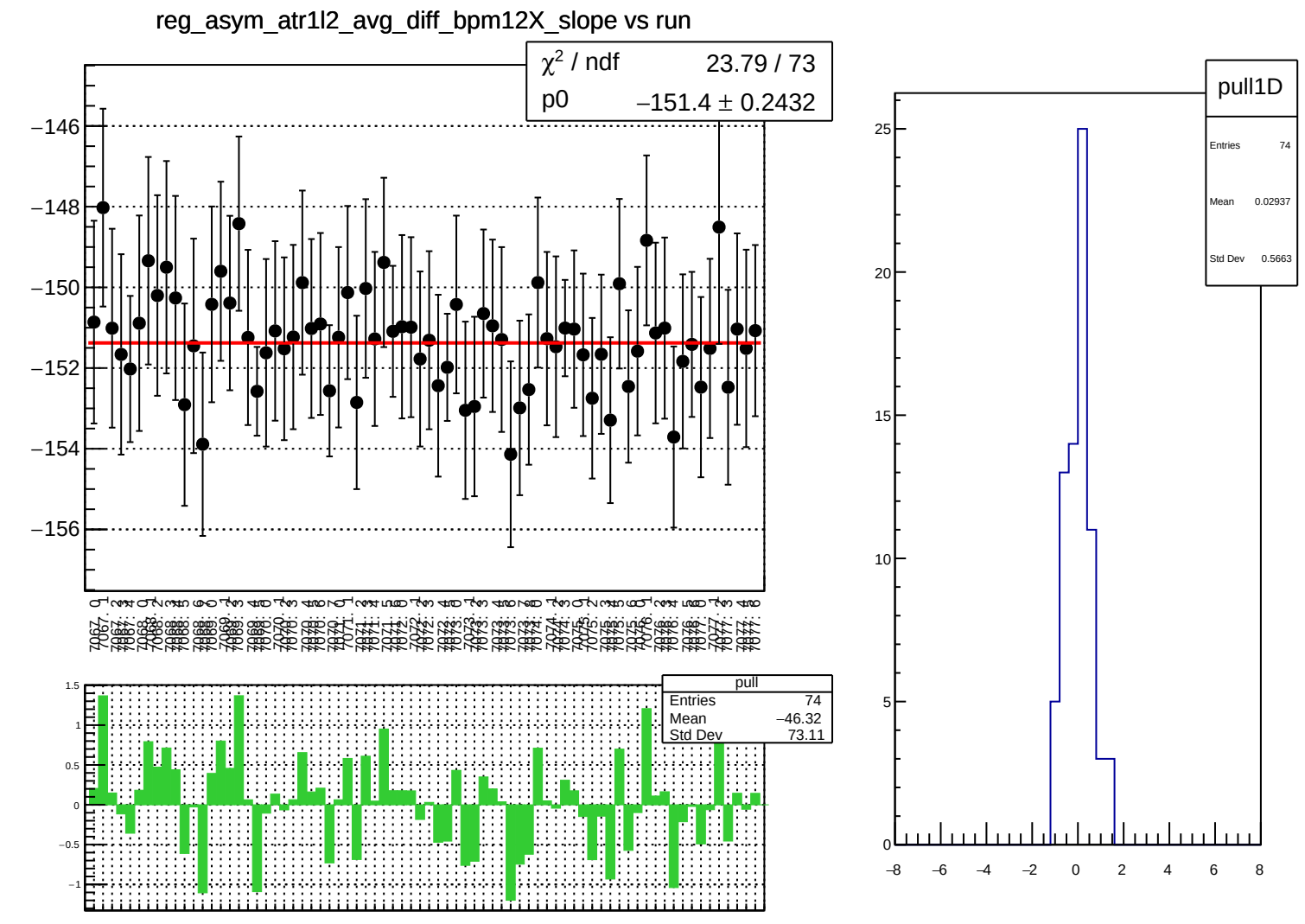

pull1D
Entries 74
Mean 0.01992
Std Dev 0.4775

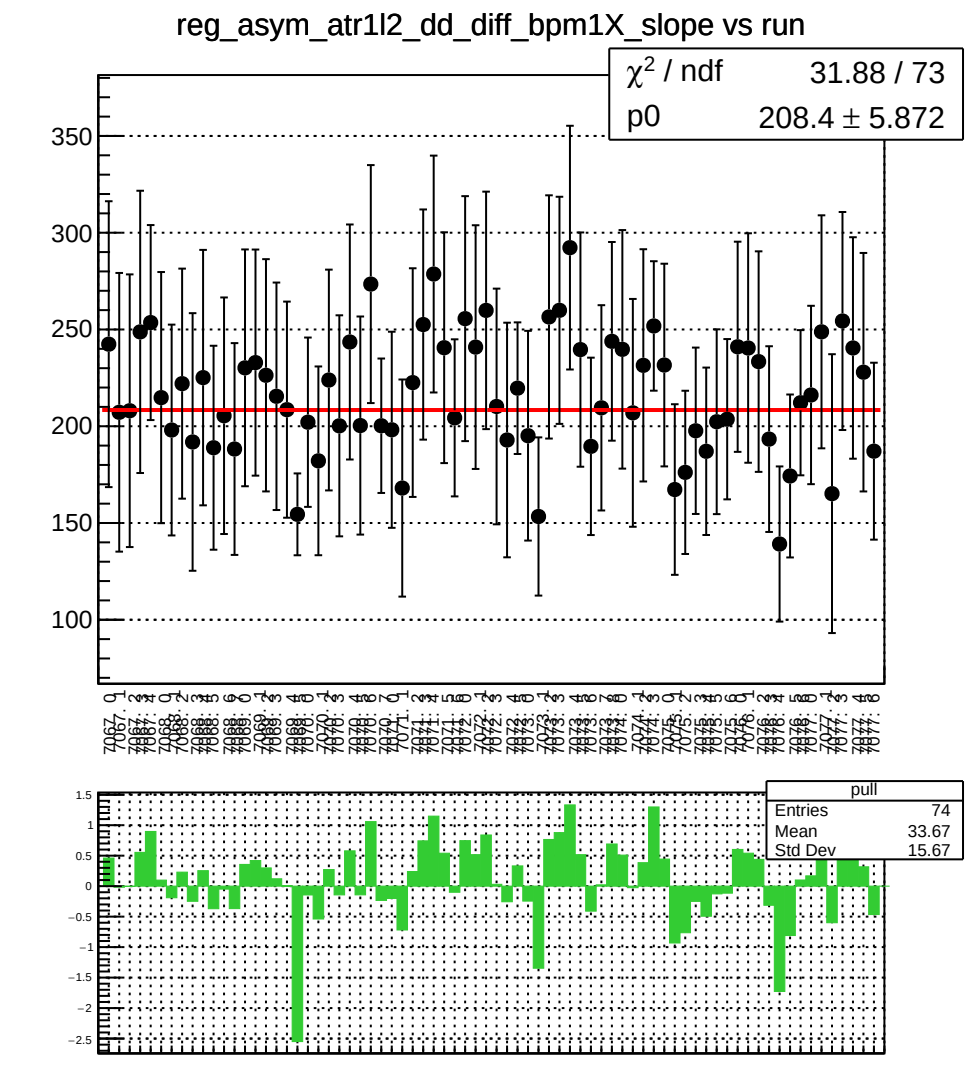

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.63 / 73
p0 183.1 ± 6.15
pull
Entries 74
Mean 53.8
Std Dev 11.57

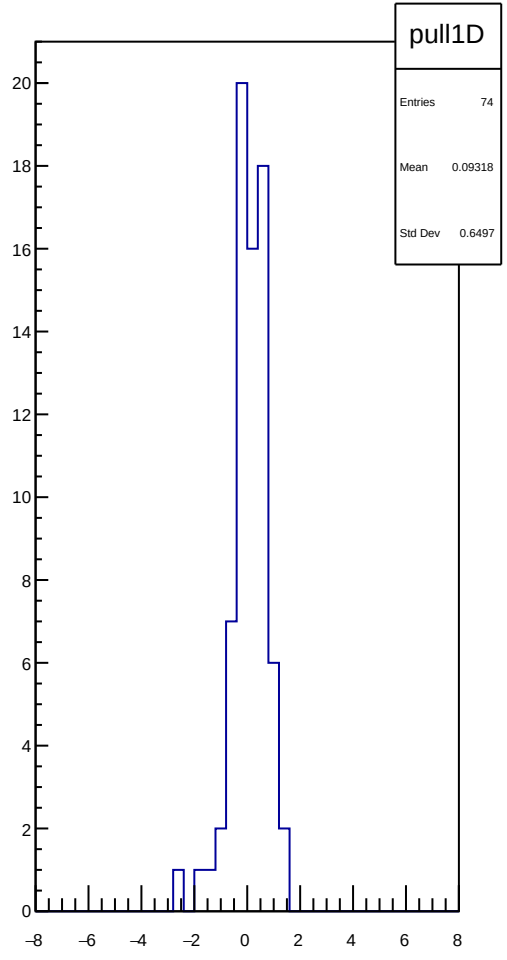

pull1D
Entries 74
Mean 0.07002
Std Dev 0.5727

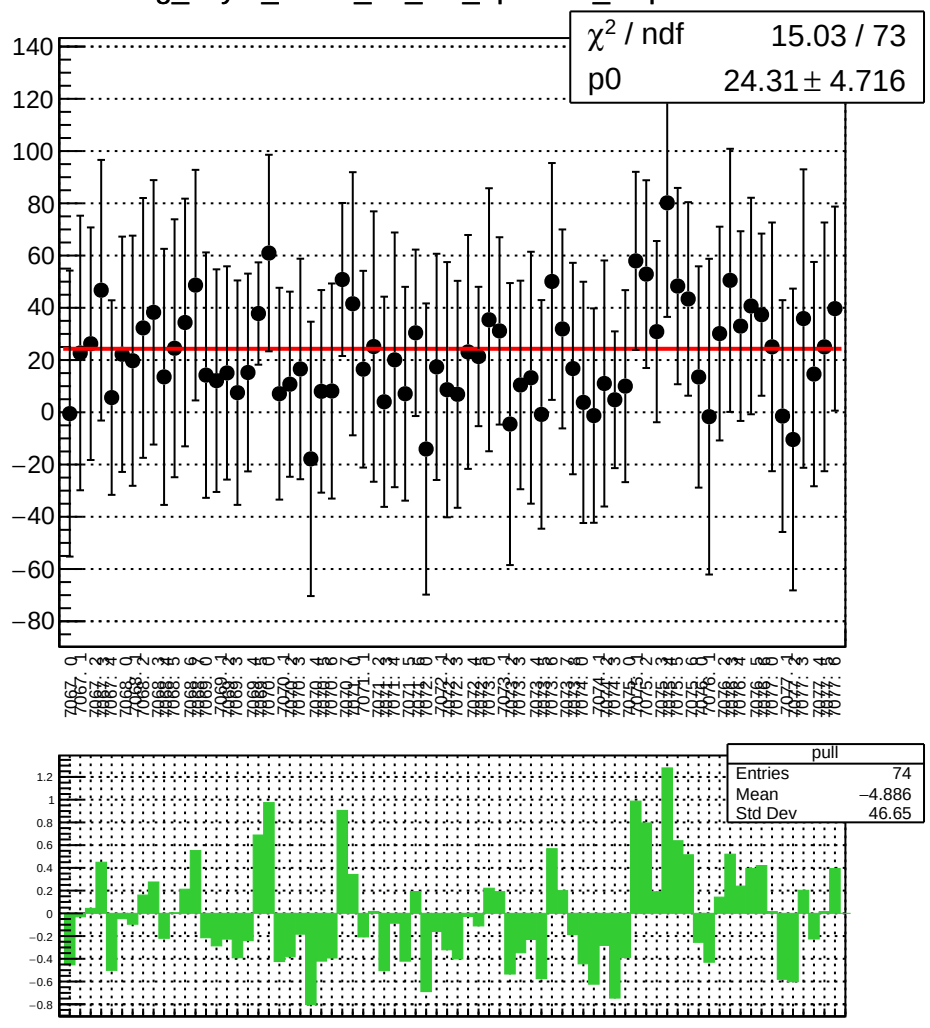

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.71 / 73
p0 92.4 ± 5.331
pull
Entries 74
Mean 4.512
Std Dev 56.78

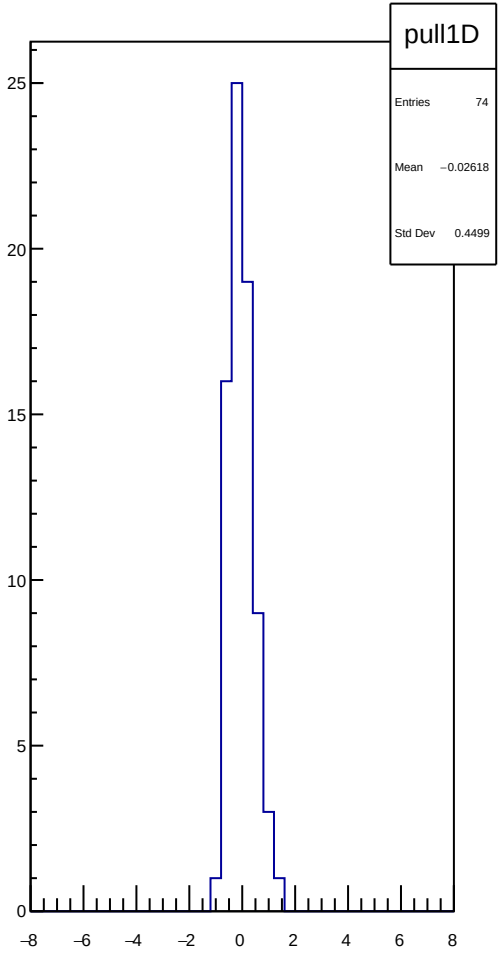

pull1D
Entries 74
Mean −0.02237
Std Dev 0.5023

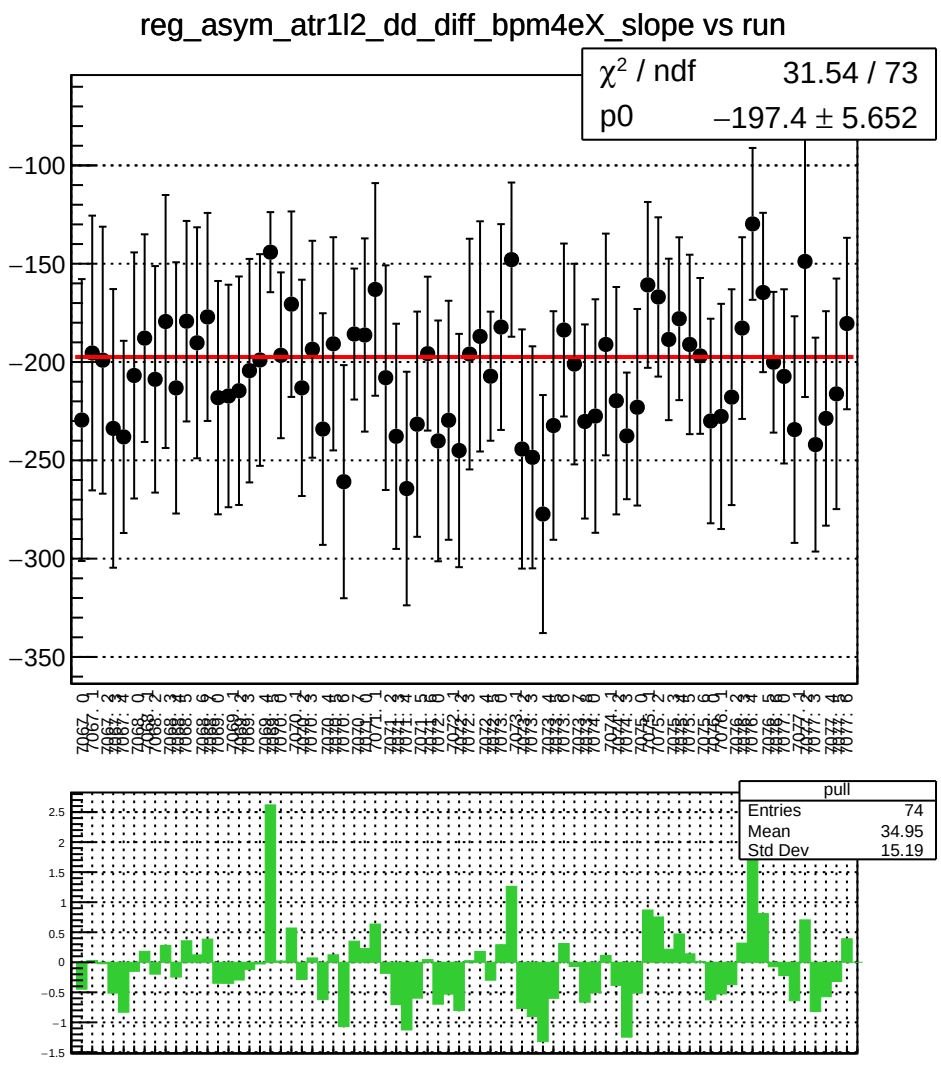

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.79 / 73
p0 −151.4 ± 0.2432
−146
−148
−150
−152
−154
−156
pull
Entries 74
Mean −46.32
Std Dev 73.11
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 74
Mean 0.02937
Std Dev 0.5663
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

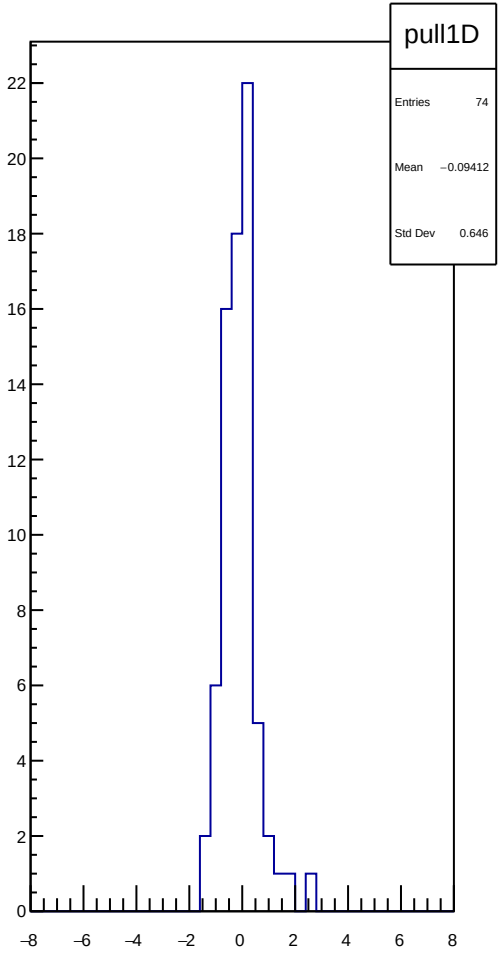

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.88 / 73
p0 208.4 ± 5.872
pull
Entries 74
Mean 33.67
Std Dev 15.67

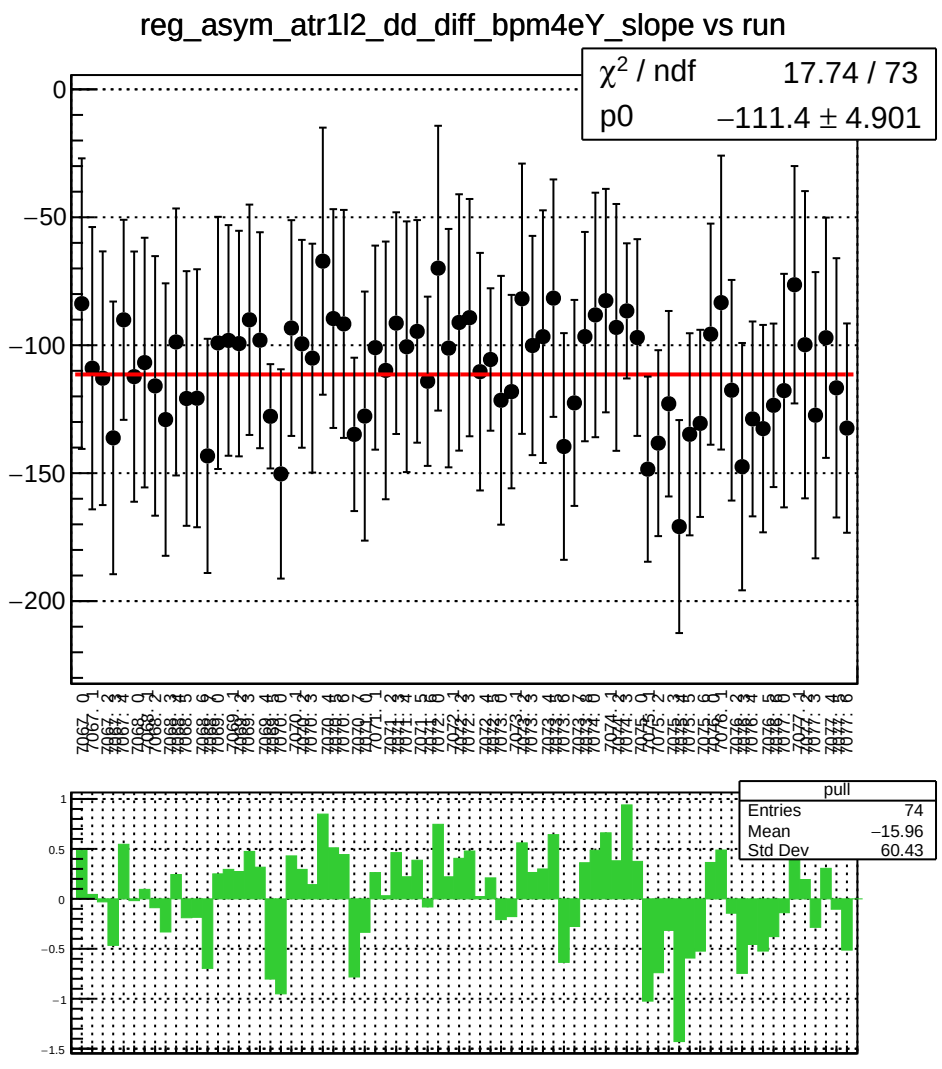

pull1D
Entries 74
Mean 0.09318
Std Dev 0.6497

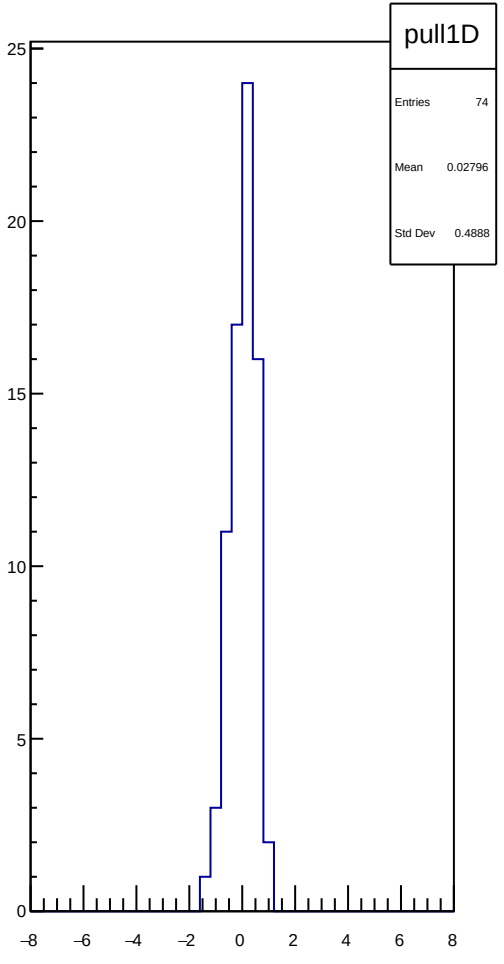

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.03 / 73
p0 24.31 ± 4.716
pull
Entries 74
Mean −4.886
Std Dev 46.65

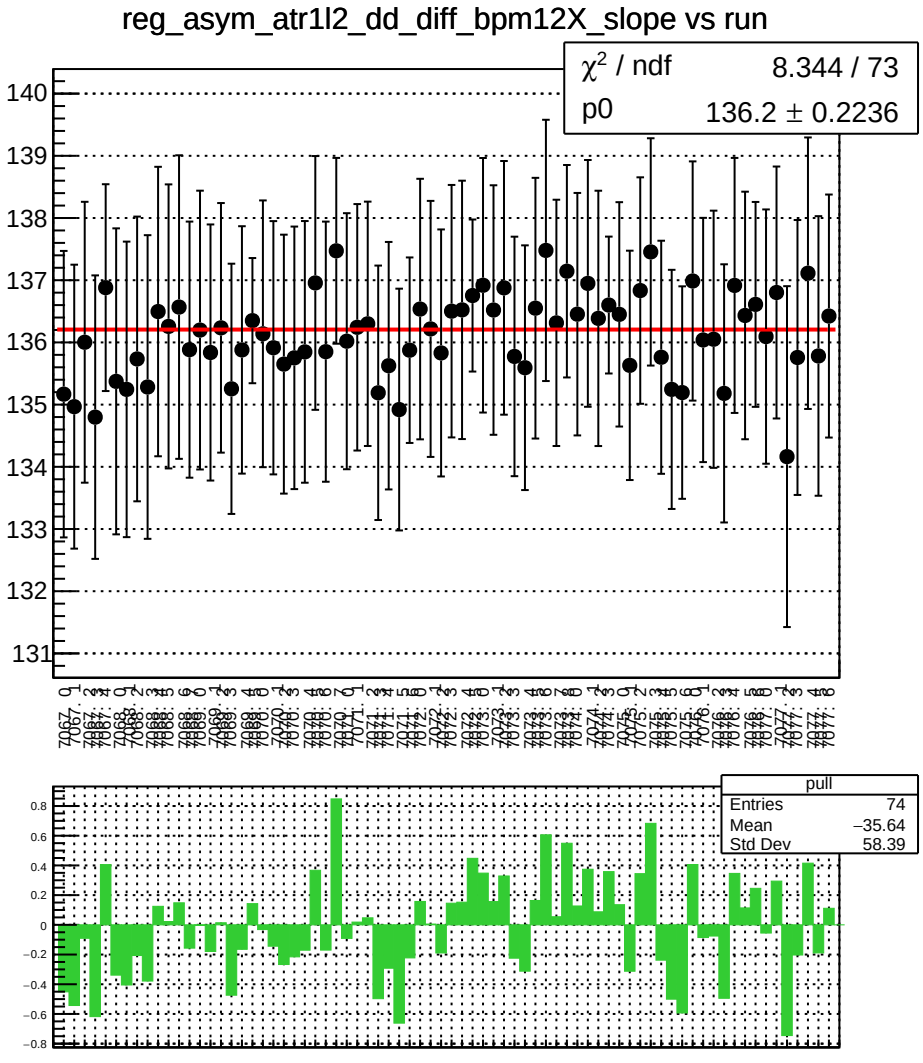

pull1D
Entries 74
Mean −0.02618
Std Dev 0.4499

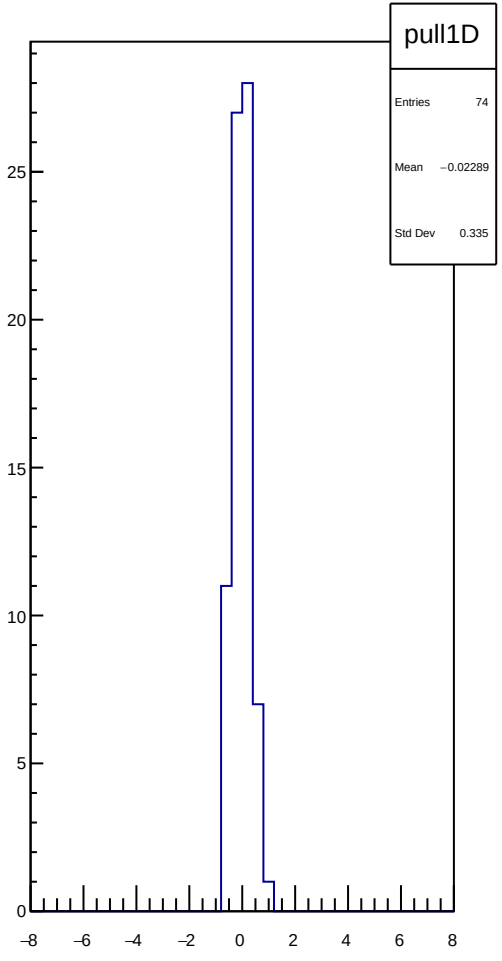

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.54 / 73
p0 −197.4 ± 5.652
pull
Entries 74
Mean 34.95
Std Dev 15.19

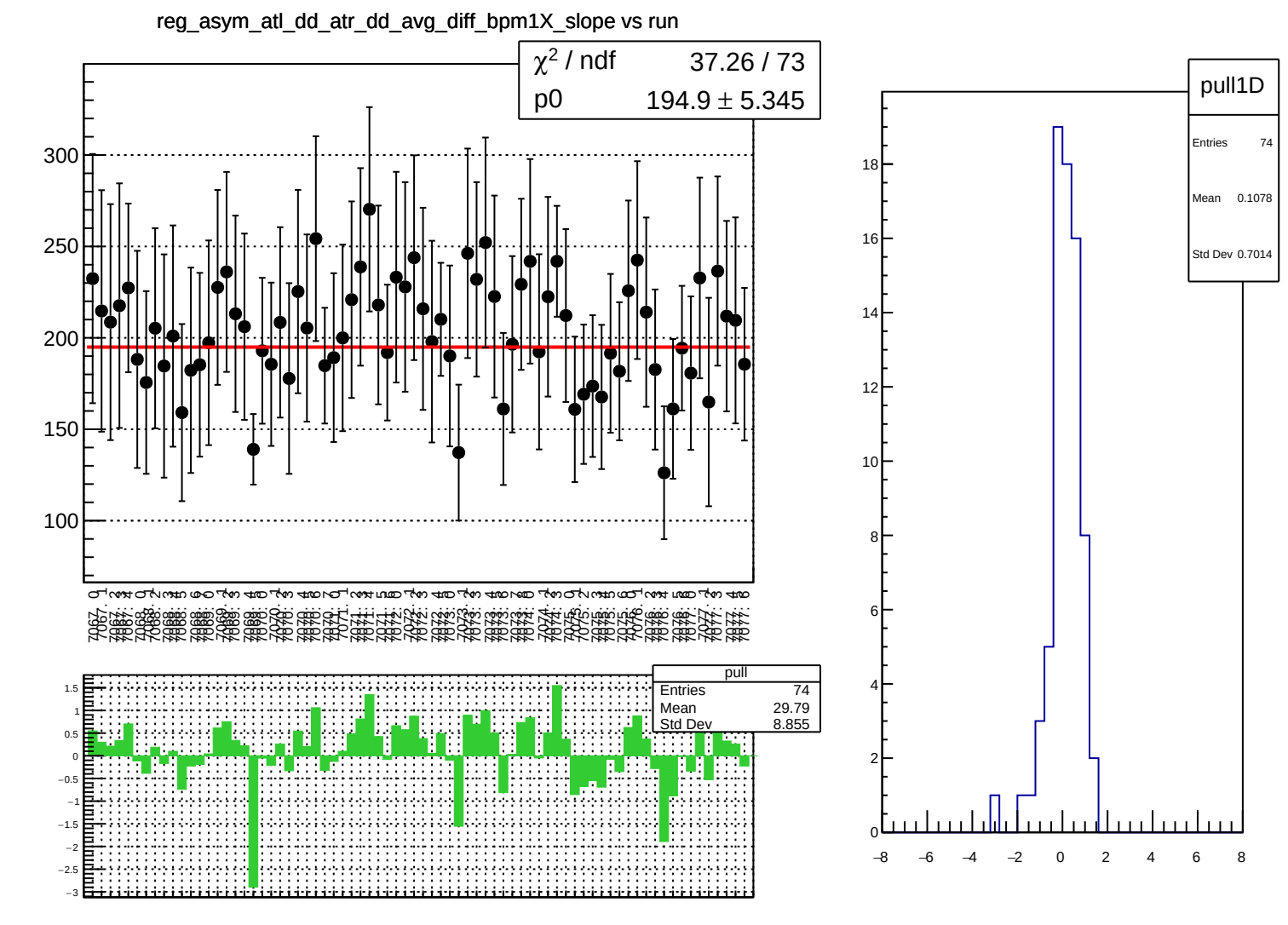

pull1D
Entries 74
Mean −0.09412
Std Dev 0.646

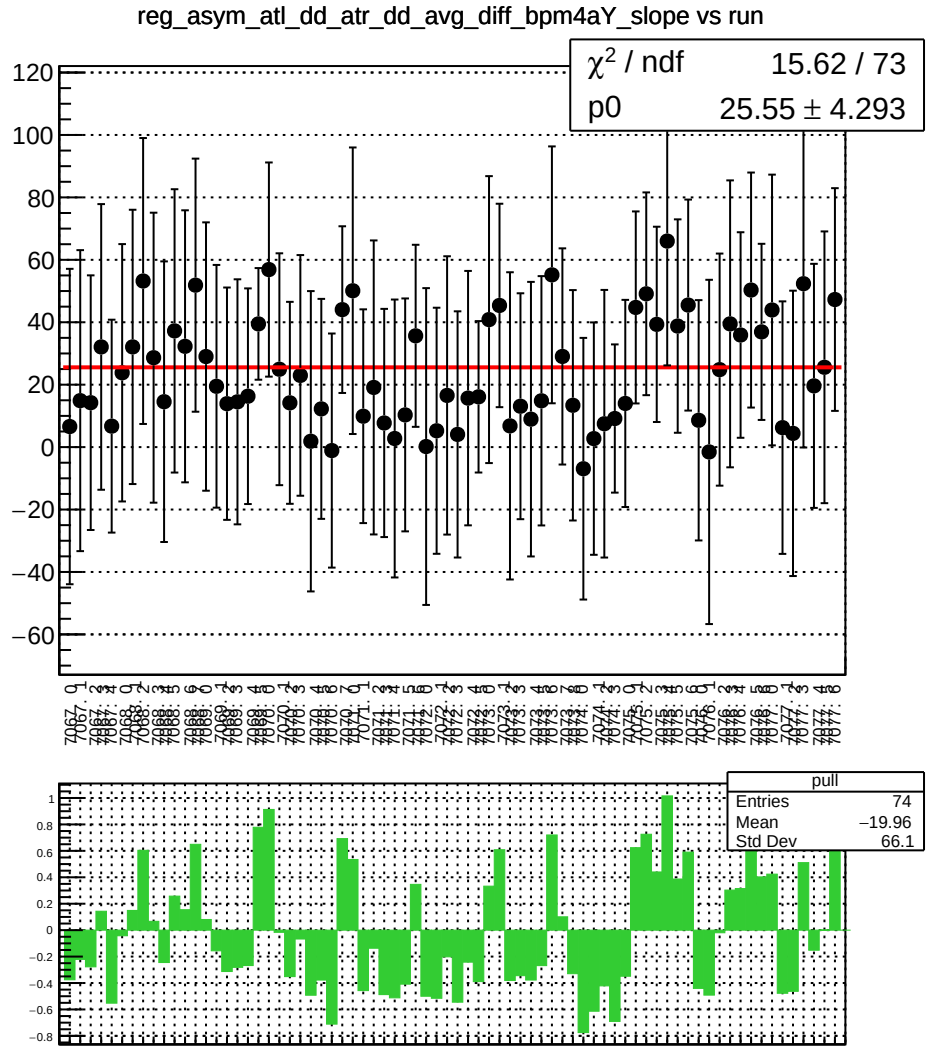

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.74 / 73
p0 −111.4 ± 4.901
pull
Entries 74
Mean −15.96
Std Dev 60.43

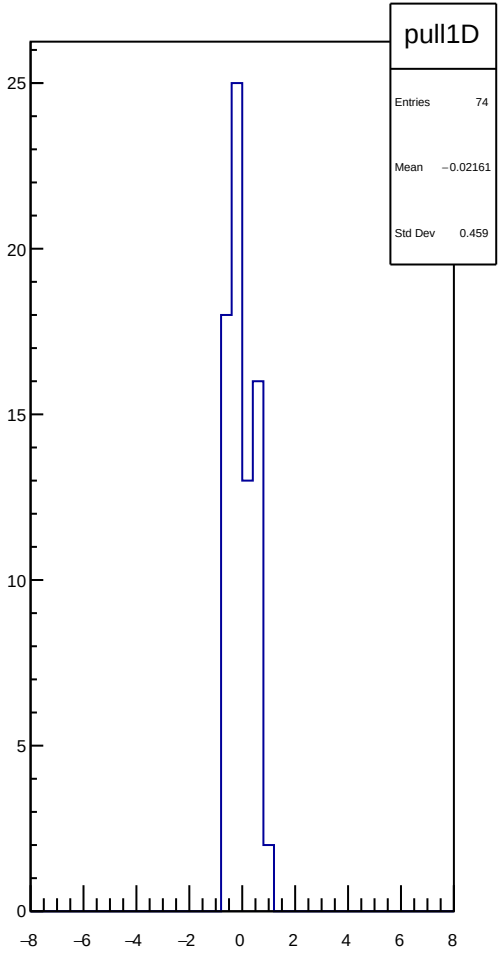

pull1D
Entries 74
Mean 0.02796
Std Dev 0.4888

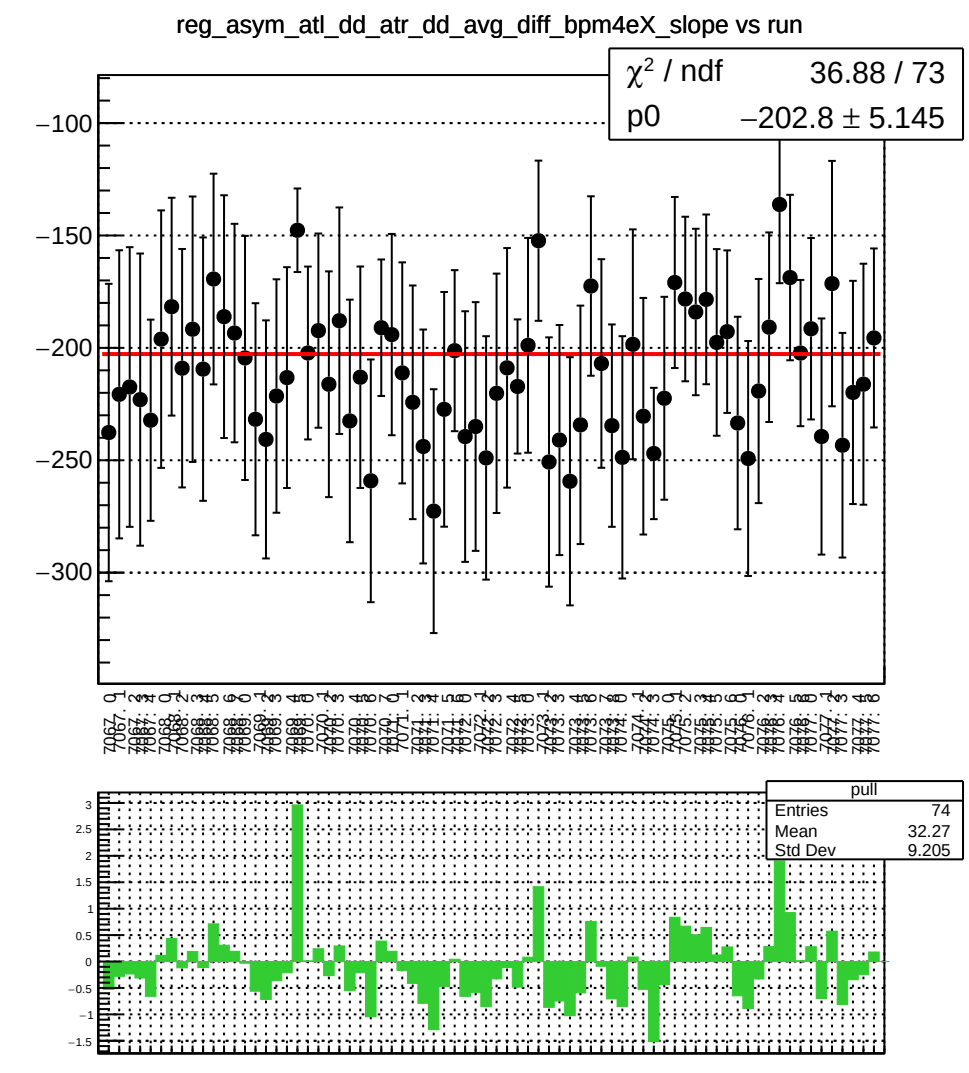

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.344 / 73
p0 136.2 ± 0.2236
pull
Entries 74
Mean −35.64
Std Dev 58.39

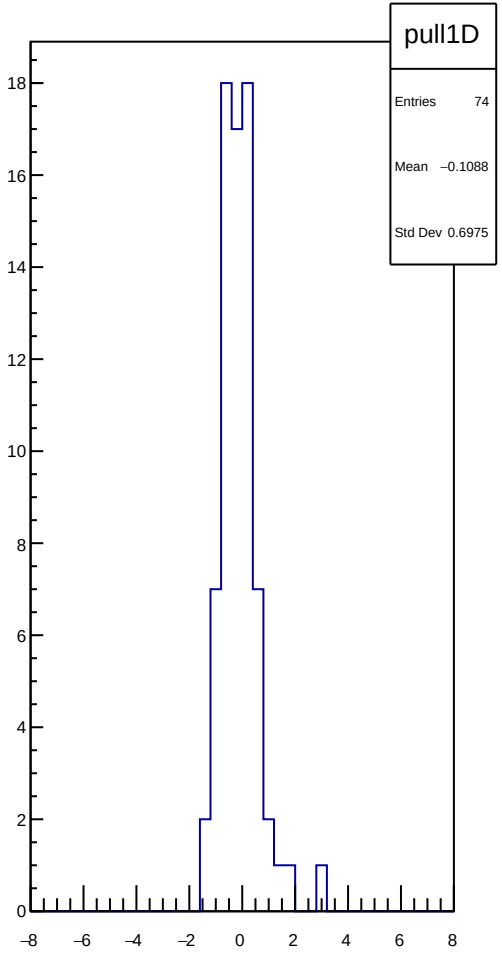

pull1D
Entries 74
Mean −0.02289
Std Dev 0.335

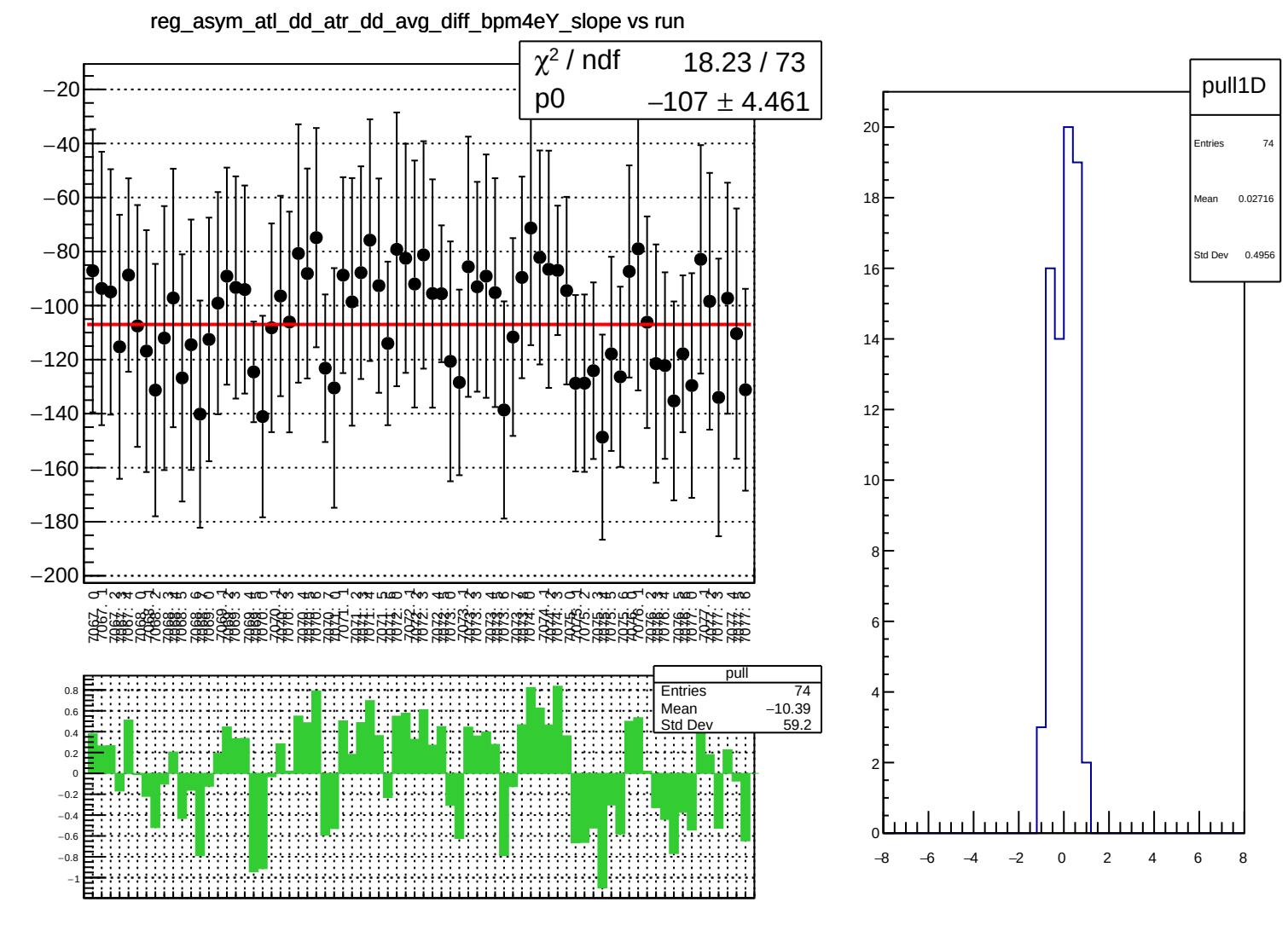

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 37.26 / 73
p0 194.9 ± 5.345
300
250
200
150
100
pull
Entries 74
Mean 29.79
Std Dev 8.855
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 74
Mean 0.1078
Std Dev 0.7014
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

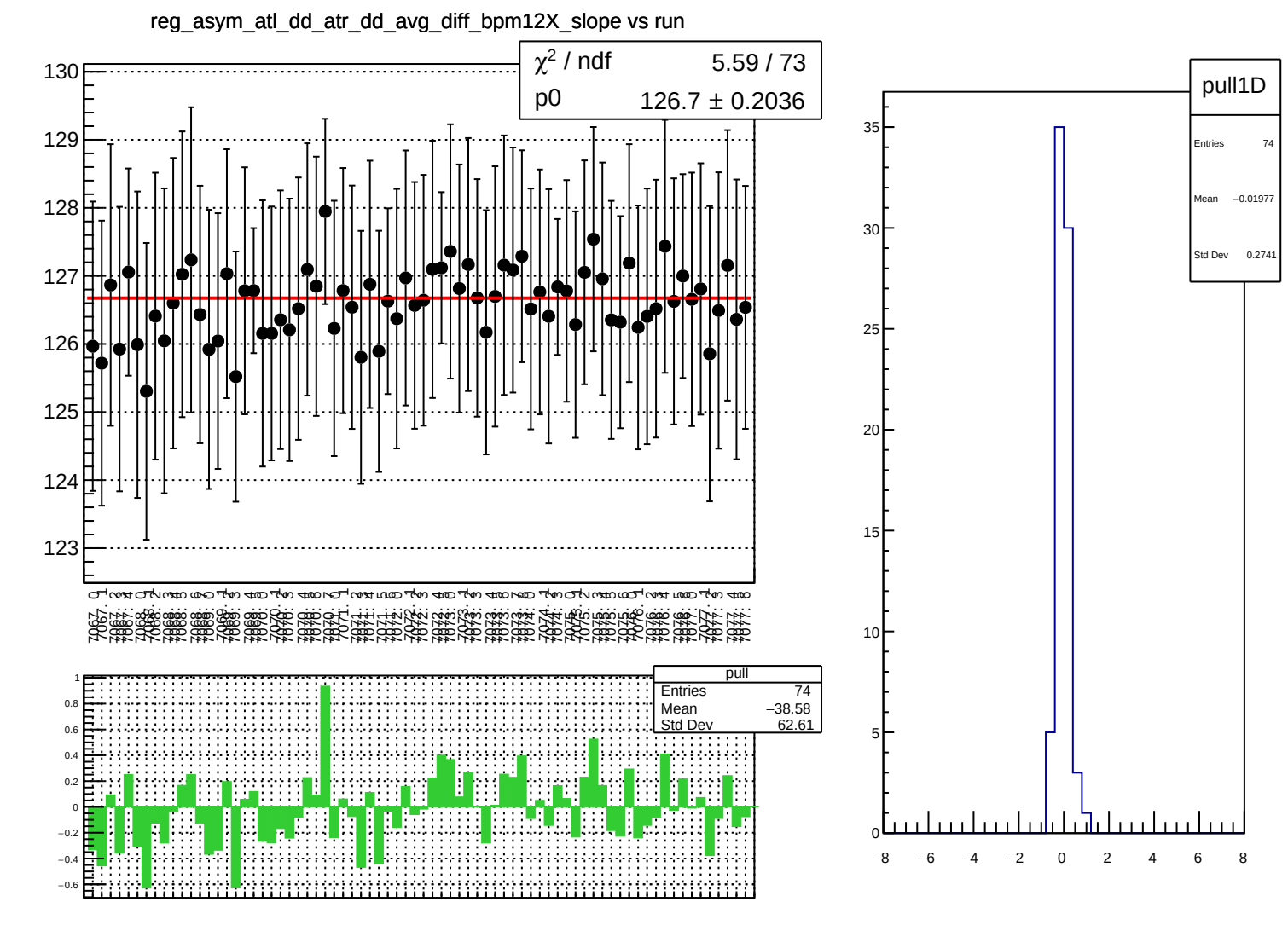

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.62 / 73
p0 25.55 ± 4.293
pull
Entries 74
Mean −19.96
Std Dev 66.1

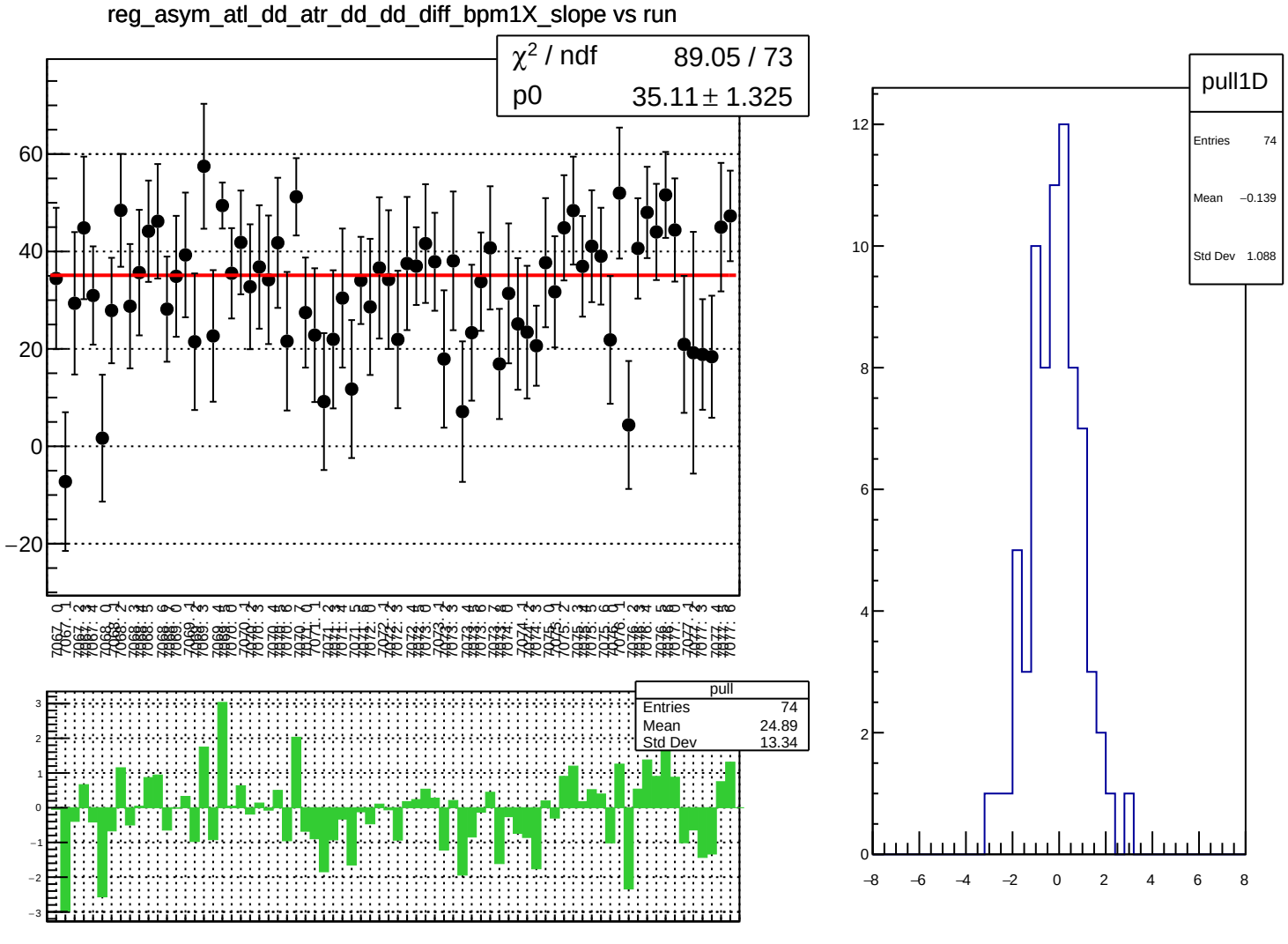

pull1D
Entries 74
Mean −0.02161
Std Dev 0.459

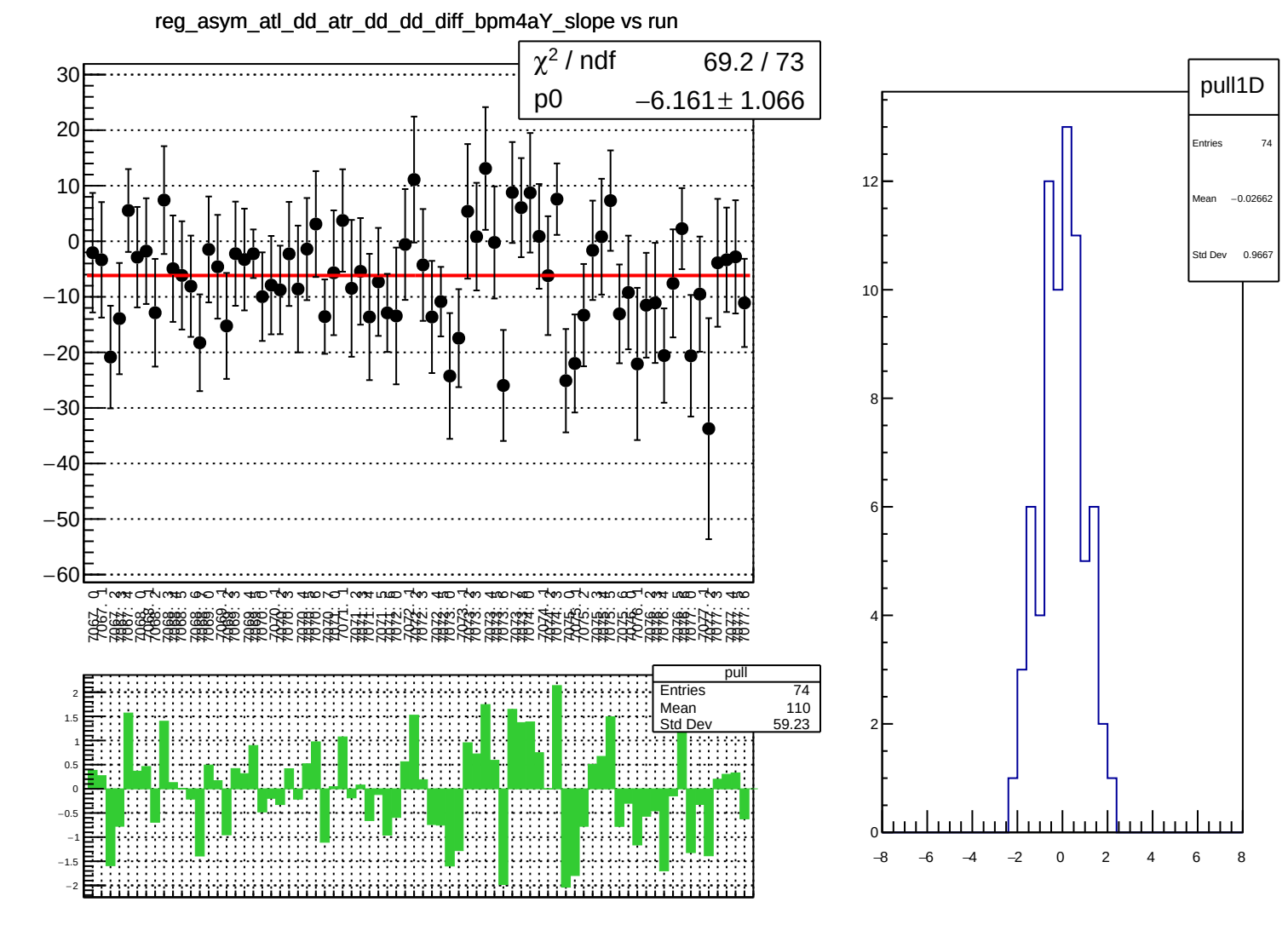

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.88 / 73
p0 −202.8 ± 5.145
pull
Entries 74
Mean 32.27
Std Dev 9.205

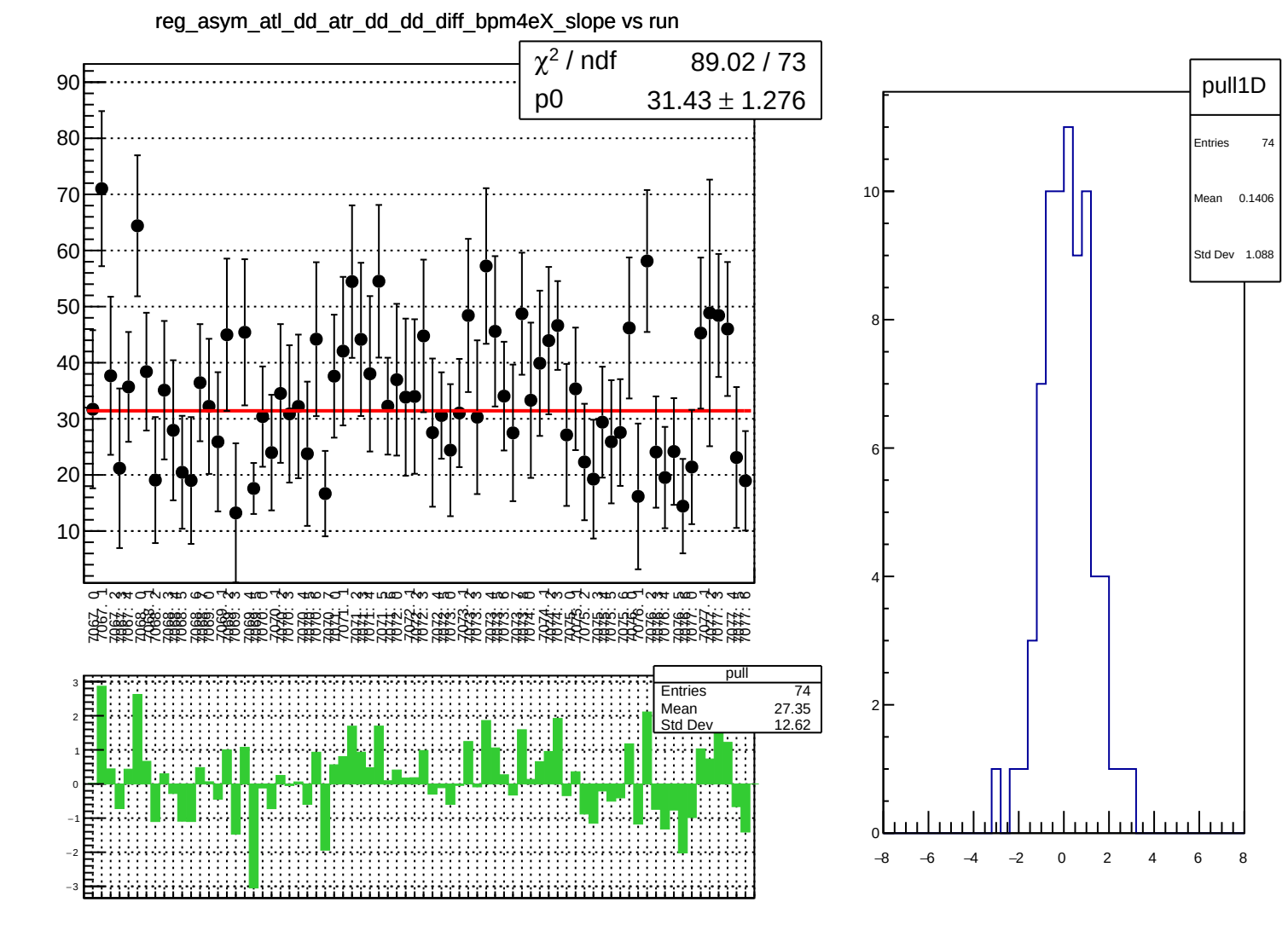

pull1D
Entries 74
Mean −0.1088
Std Dev 0.6975

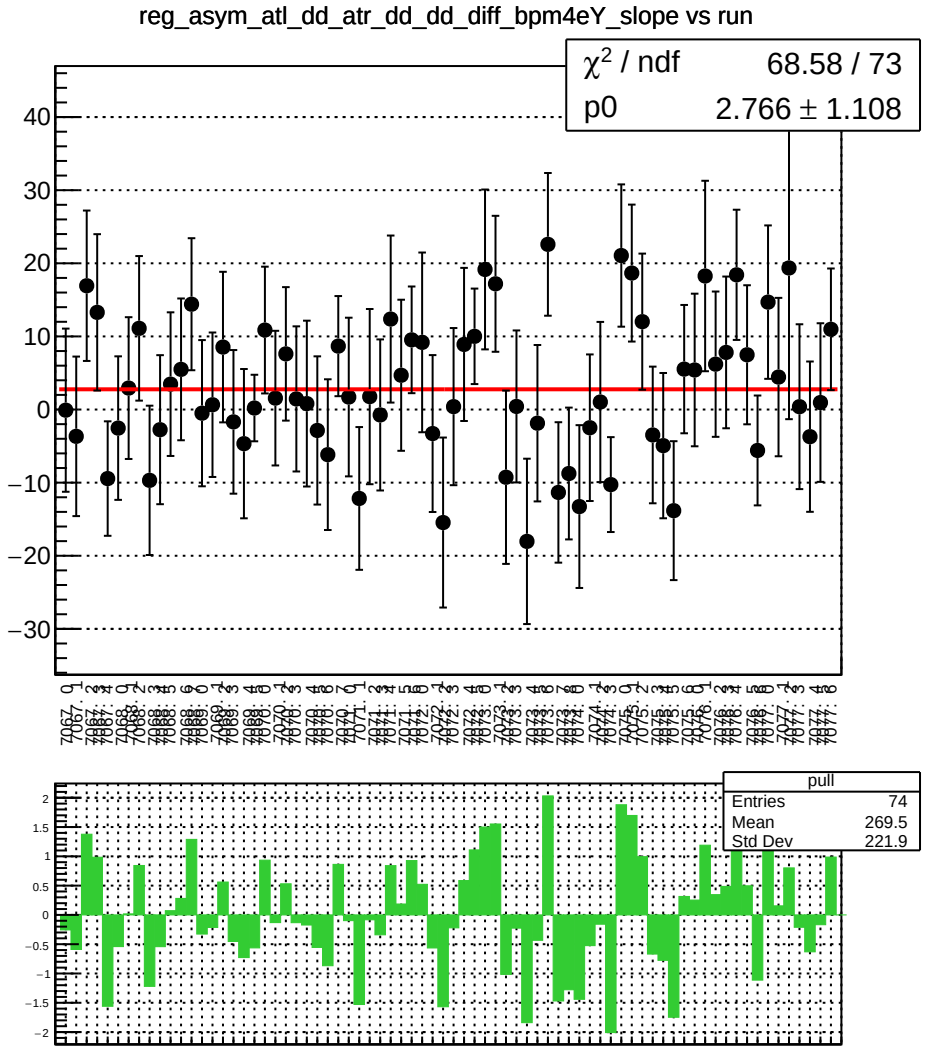

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.23 / 73
p0 −107 ± 4.461
pull
Entries 74
Mean −10.39
Std Dev 59.2
pull1D
Entries 74
Mean 0.02716
Std Dev 0.4956

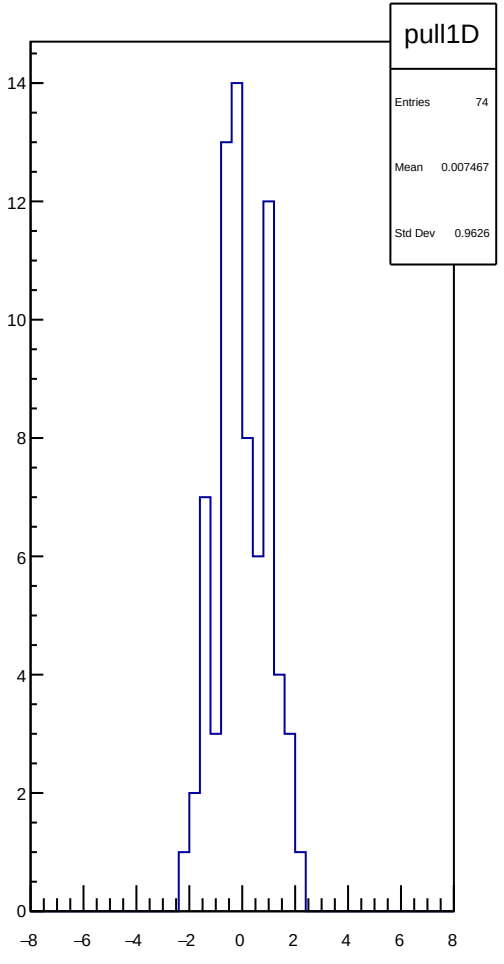

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 5.59 / 73
p0 126.7 ± 0.2036
pull
Entries 74
Mean −38.58
Std Dev 62.61
pull1D
Entries 74
Mean −0.01977
Std Dev 0.2741

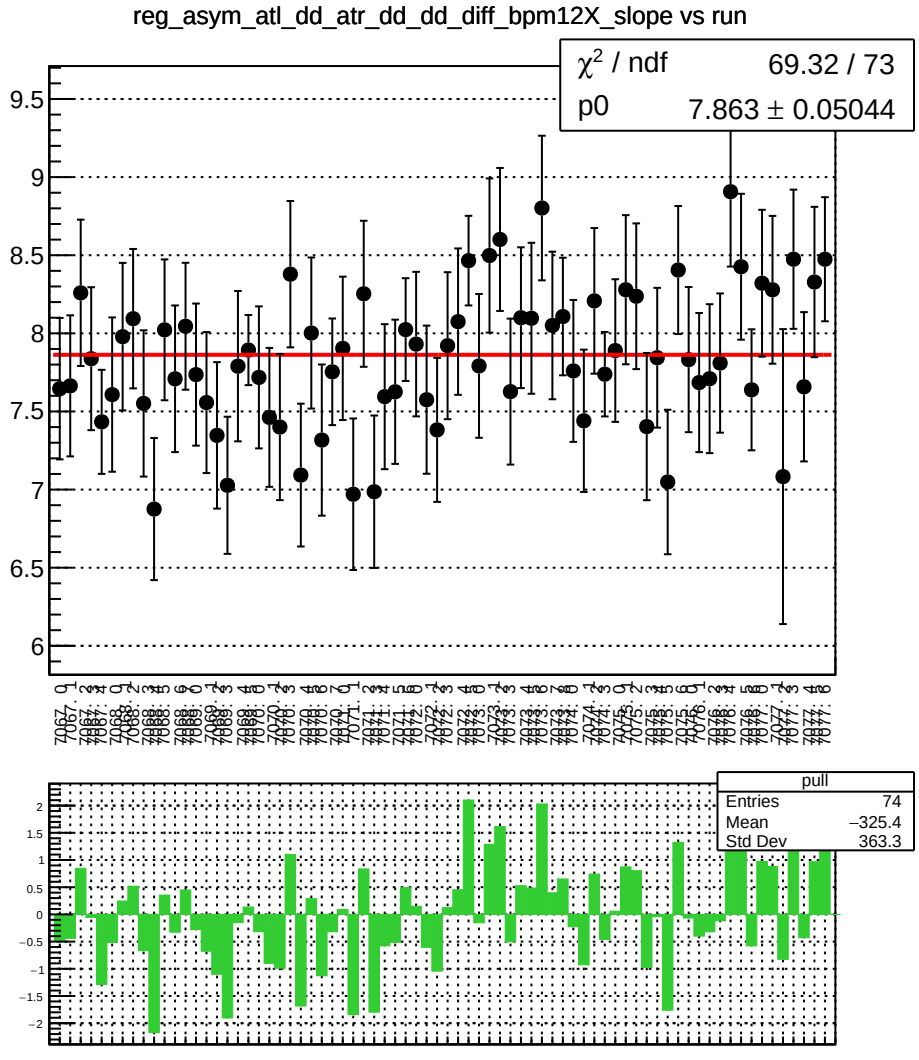

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 89.05 / 73
p0 35.11 ± 1.325
pull
Entries 74
Mean 24.89
Std Dev 13.34
pull1D
Entries 74
Mean −0.139
Std Dev 1.088

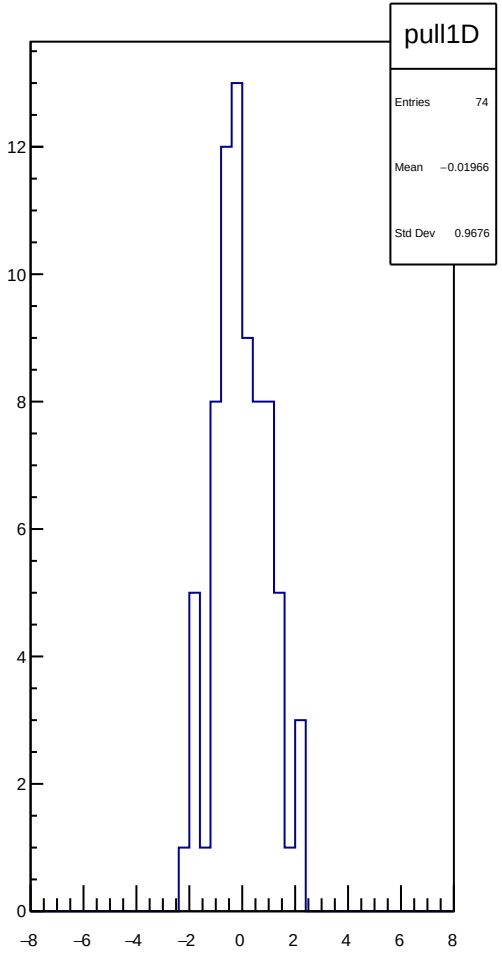

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.2 / 73
p0 −6.161 ± 1.066
pull
Entries 74
Mean 110
Std Dev 59.23
pull1D
Entries 74
Mean −0.02662
Std Dev 0.9667

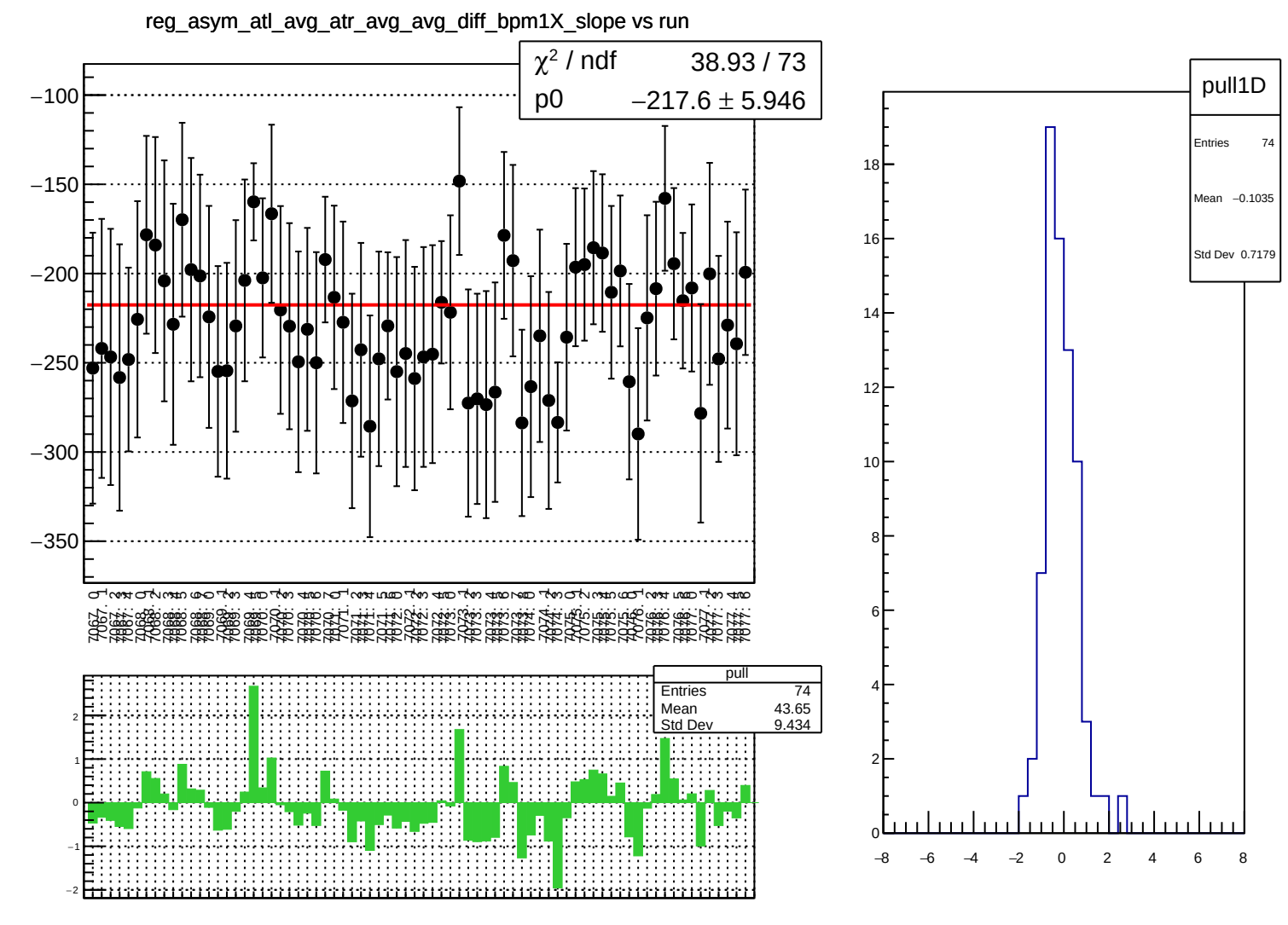

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.02 / 73
p0 31.43 ± 1.276
pull
Entries 74
Mean 27.35
Std Dev 12.62
pull1D
Entries 74
Mean 0.1406
Std Dev 1.088

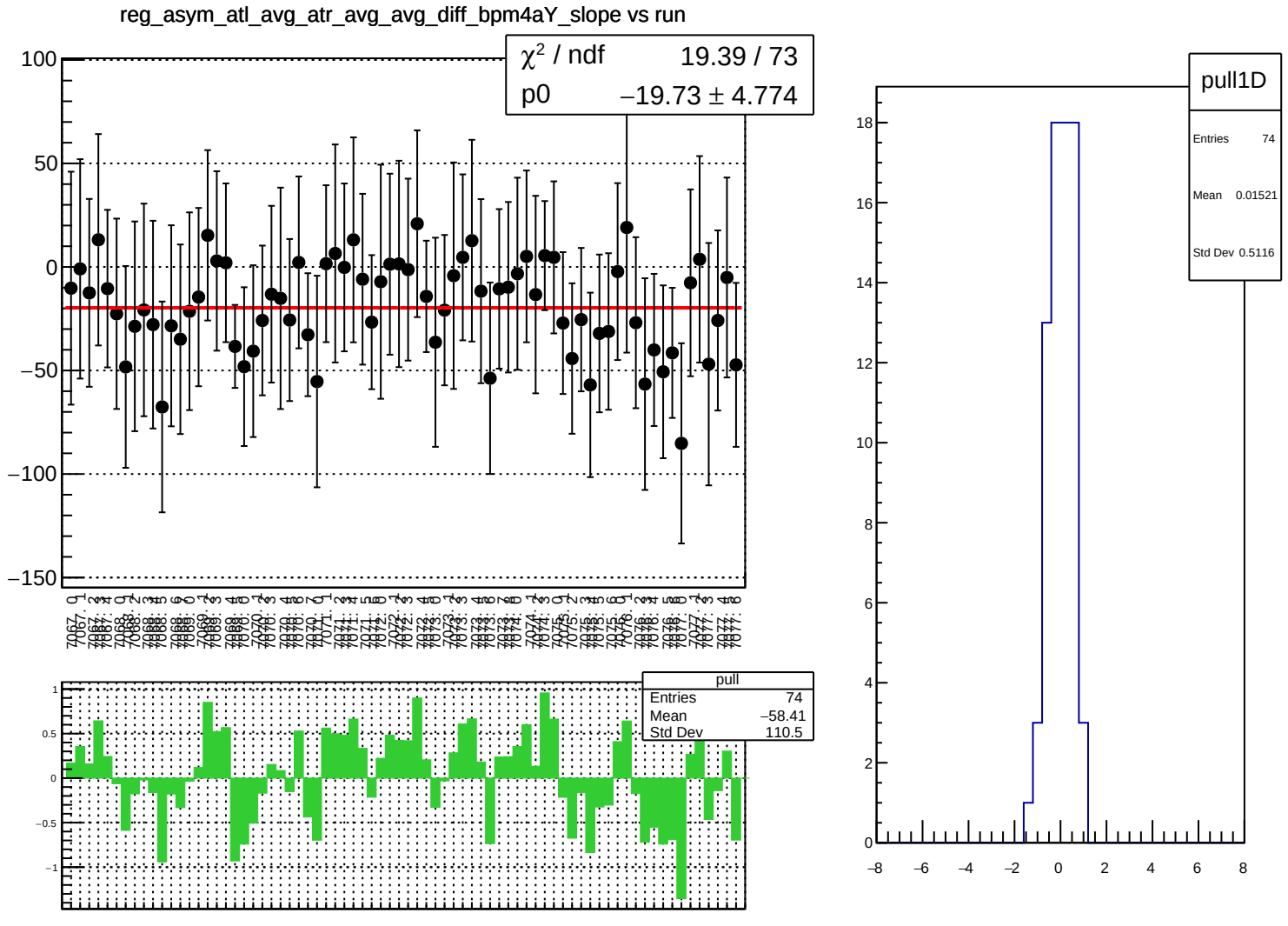

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.58 / 73
p0 2.766 ± 1.108
pull
Entries 74
Mean 269.5
Std Dev 221.9

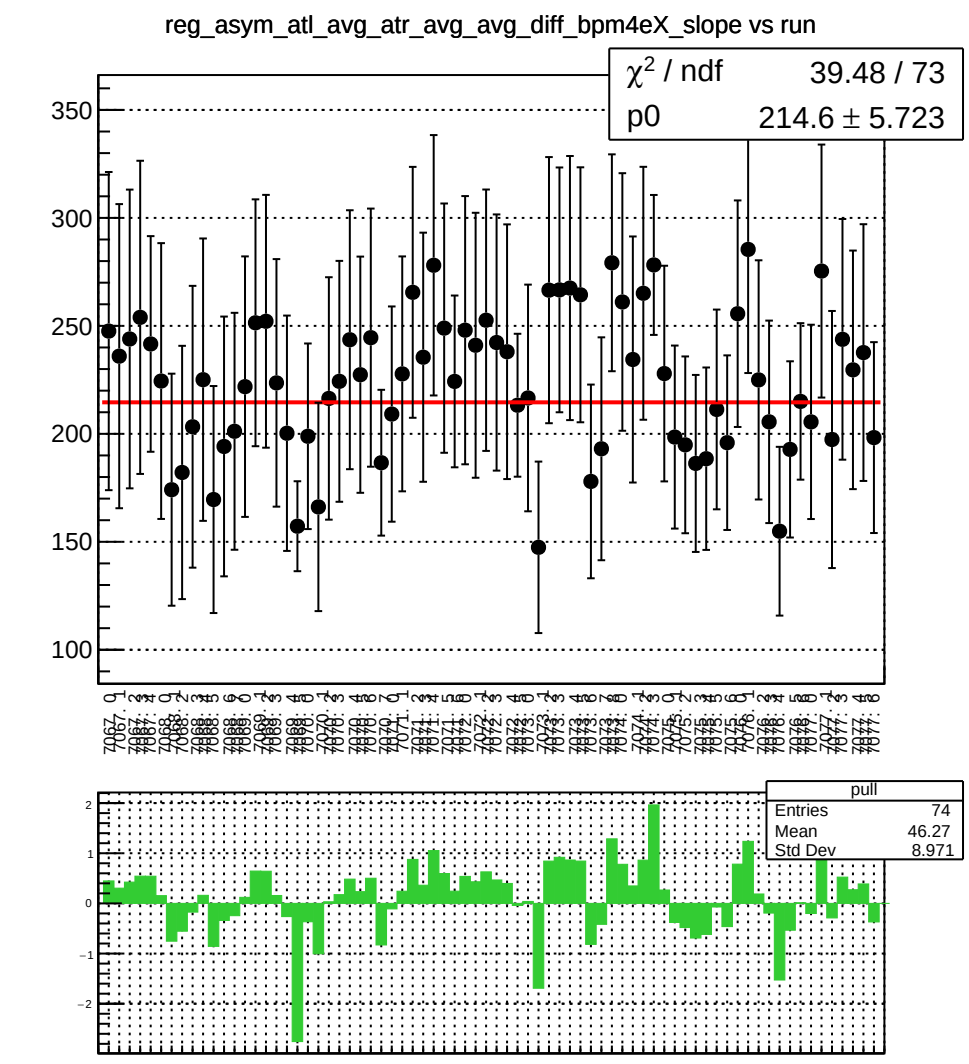

pull1D
Entries 74
Mean 0.007467
Std Dev 0.9626

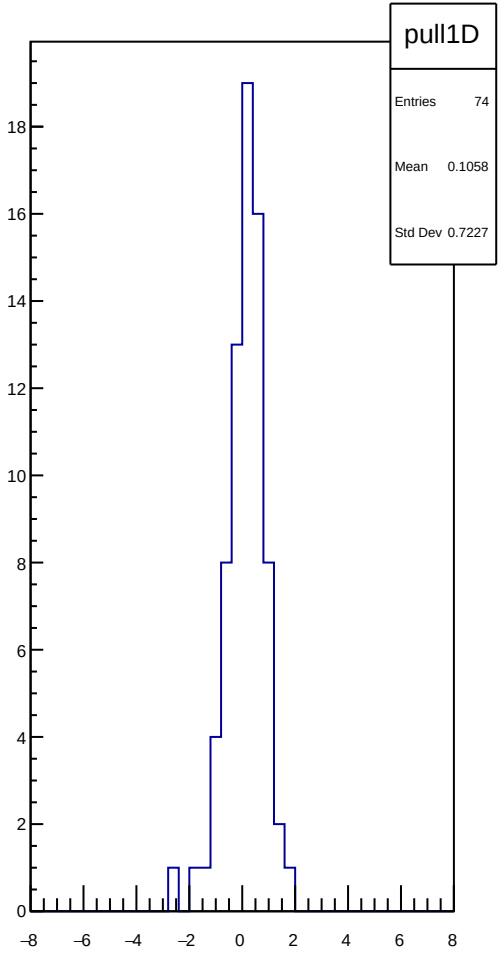

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 69.32 / 73
p0 7.863 ± 0.05044
pull
Entries 74
Mean −325.4
Std Dev 363.3

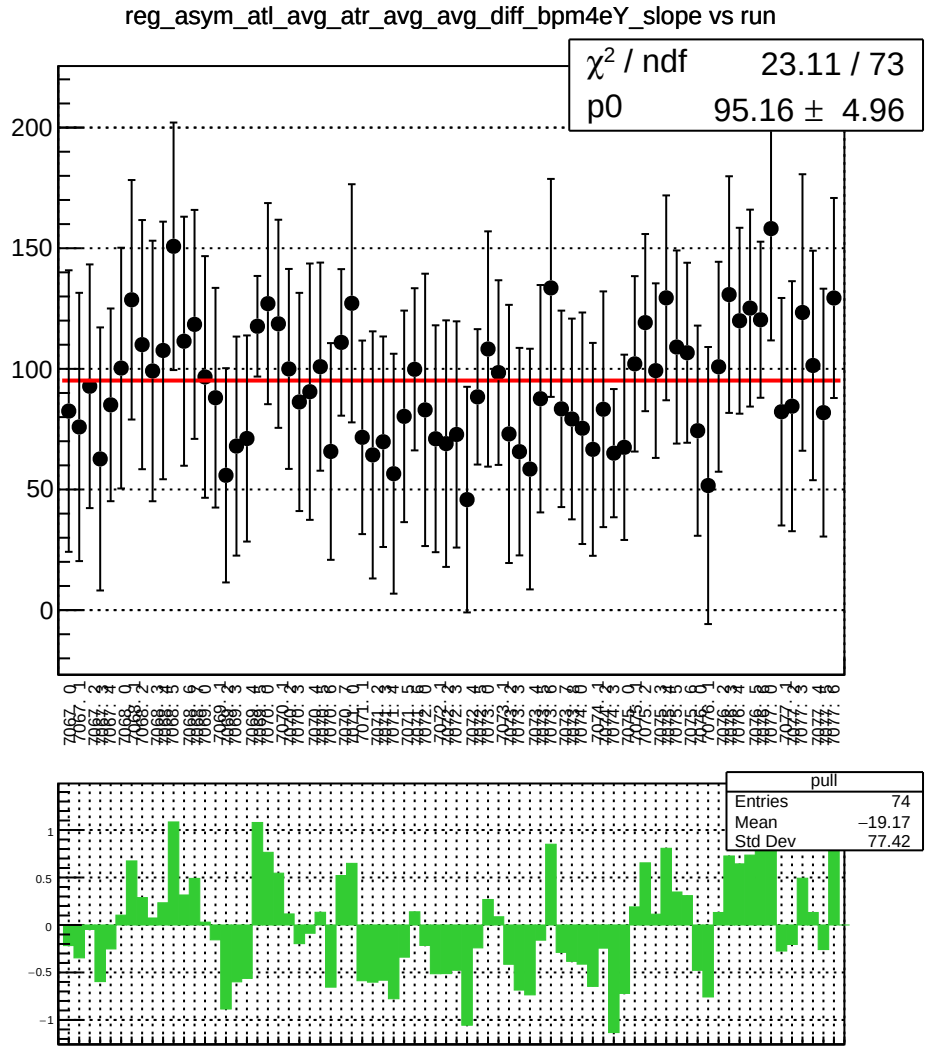

pull1D
Entries 74
Mean −0.01966
Std Dev 0.9676

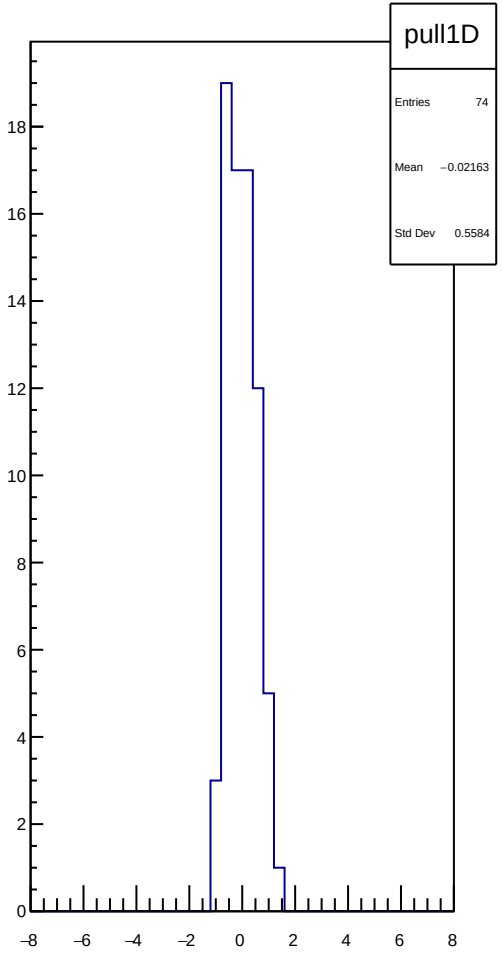

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 38.93 / 73
p0 −217.6 ± 5.946
pull
Entries 74
Mean 43.65
Std Dev 9.434
pull1D
Entries 74
Mean −0.1035
Std Dev 0.7179

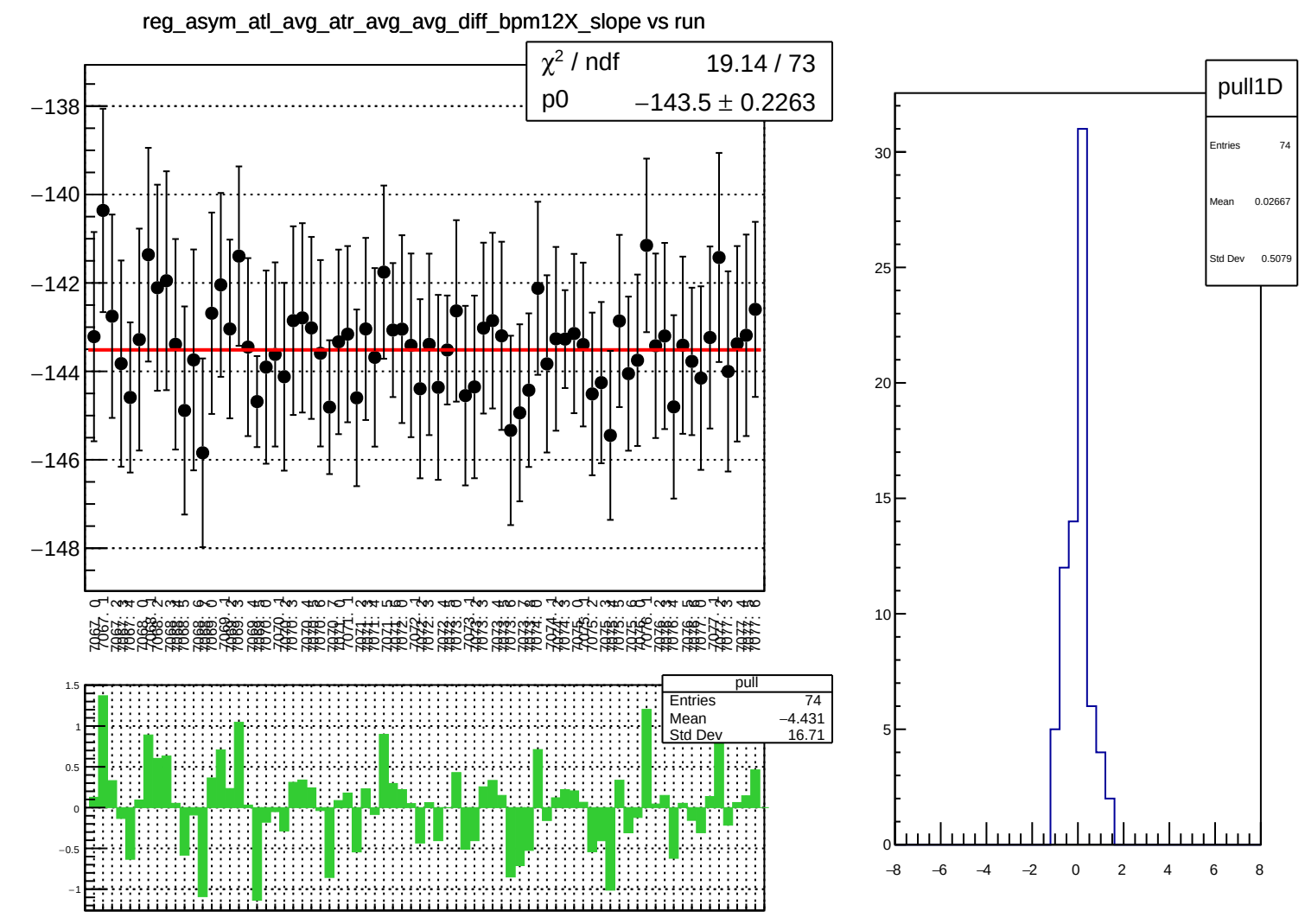

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.39 / 73
p0 −19.73 ± 4.774
pull
Entries 74
Mean −58.41
Std Dev 110.5
pull1D
Entries 74
Mean 0.01521
Std Dev 0.5116

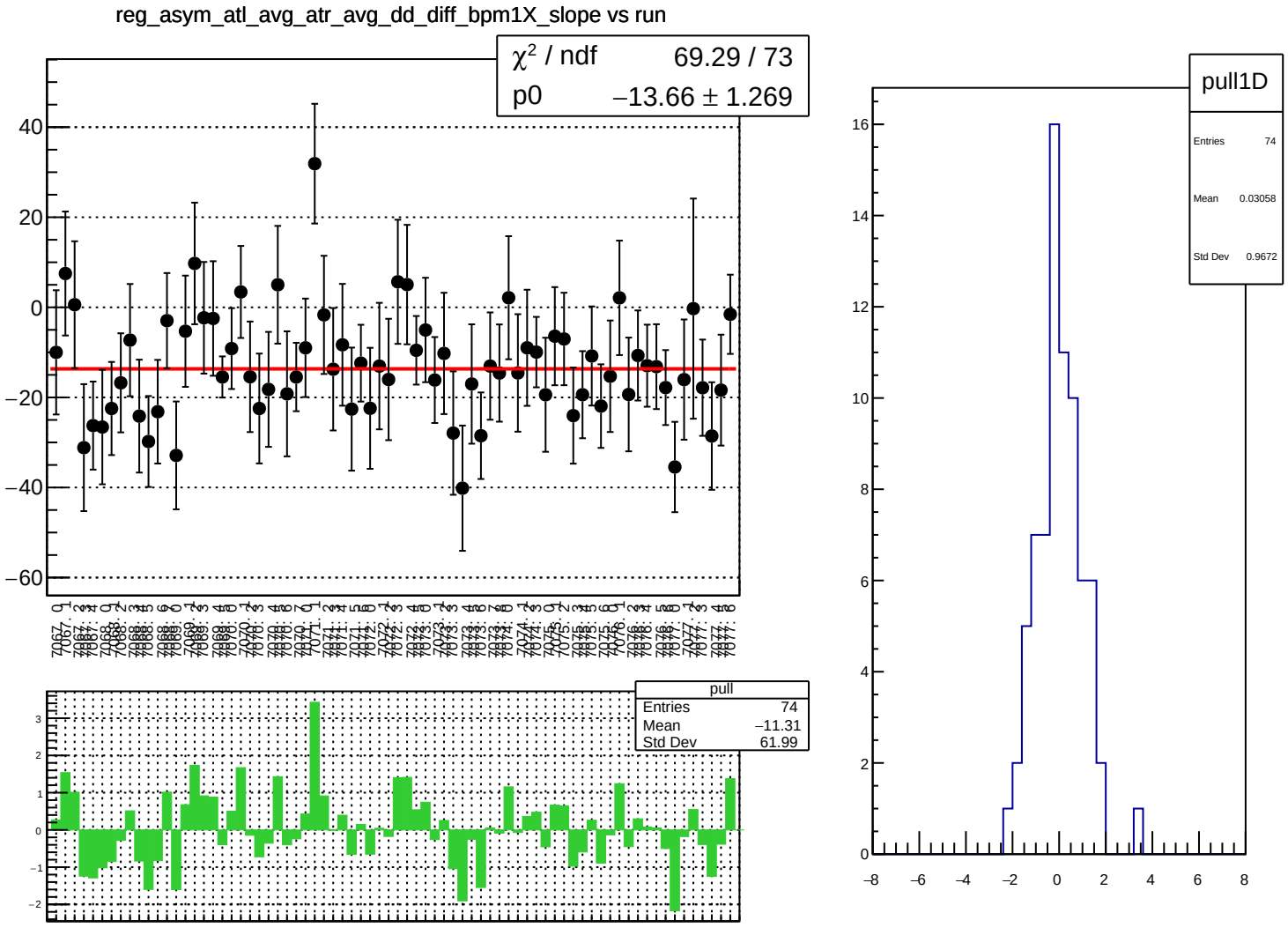

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.48 / 73
p0 214.6 ± 5.723
pull
Entries 74
Mean 46.27
Std Dev 8.971

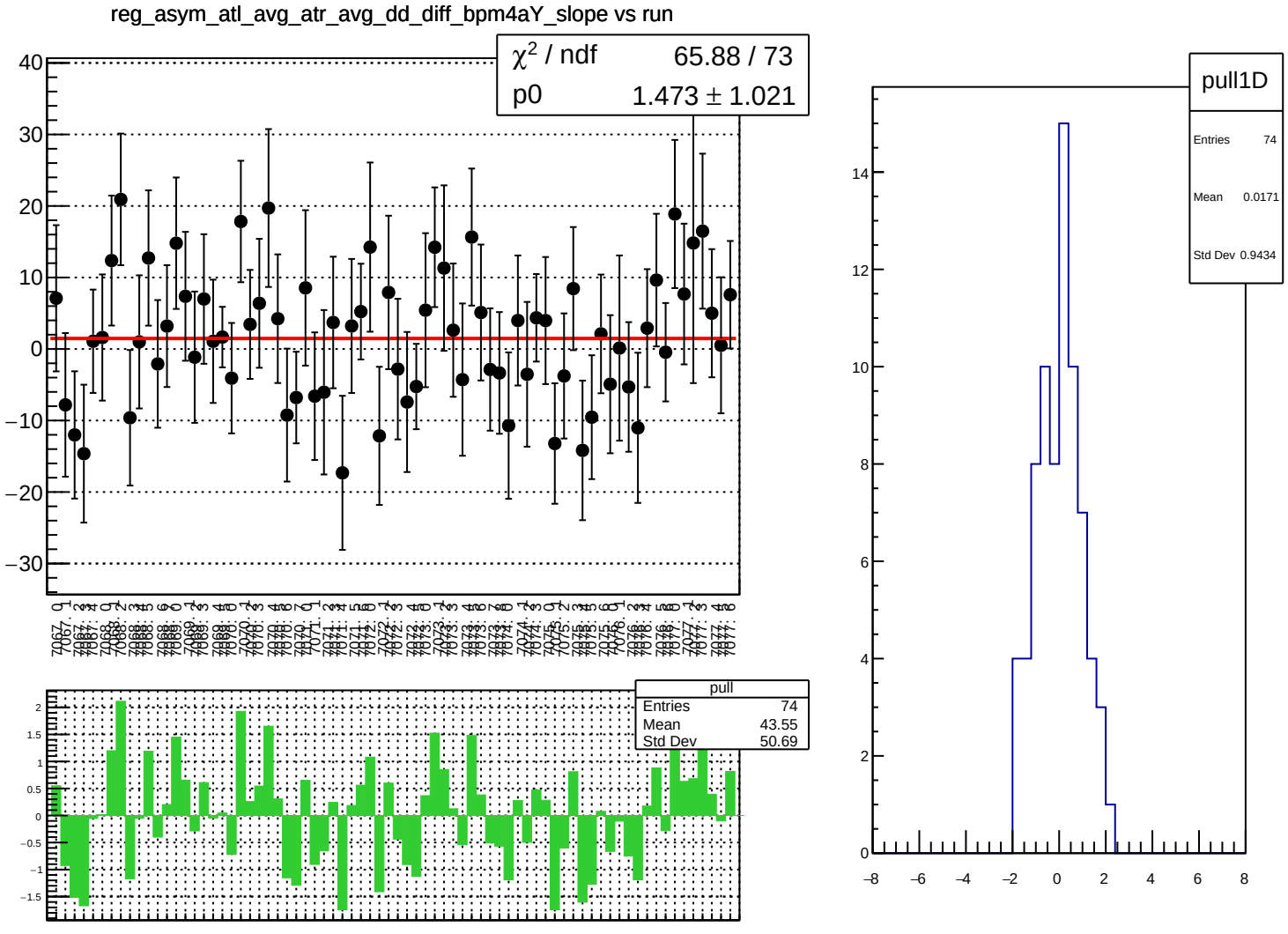

pull1D
Entries 74
Mean 0.1058
Std Dev 0.7227

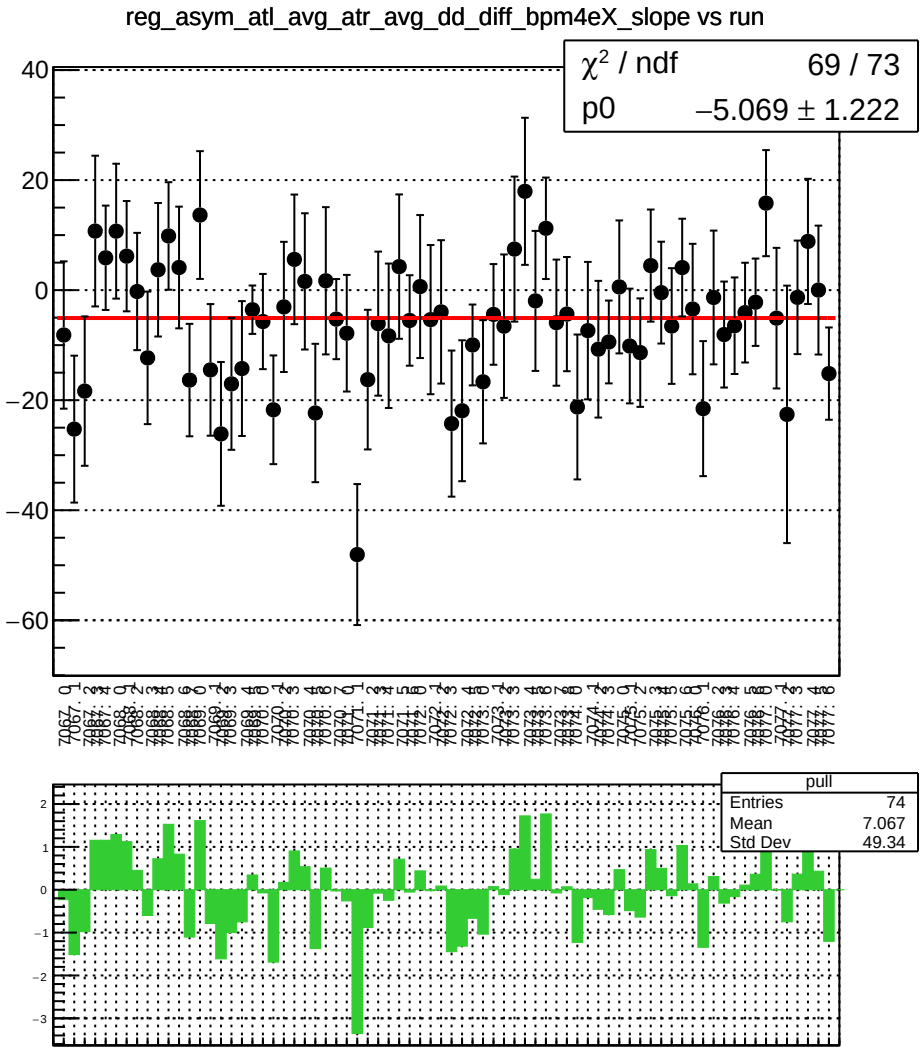

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.11 / 73
p0 95.16 ± 4.96
200
150
100
50
0
pull
Entries 74
Mean −19.17
Std Dev 77.42
1
0.5
0
−0.5
−1

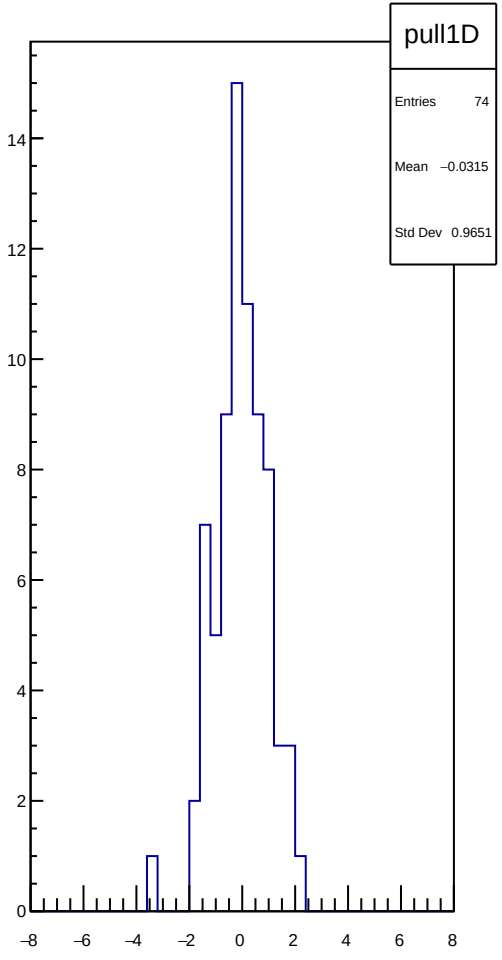

pull1D
Entries 74
Mean −0.02163
Std Dev 0.5584
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

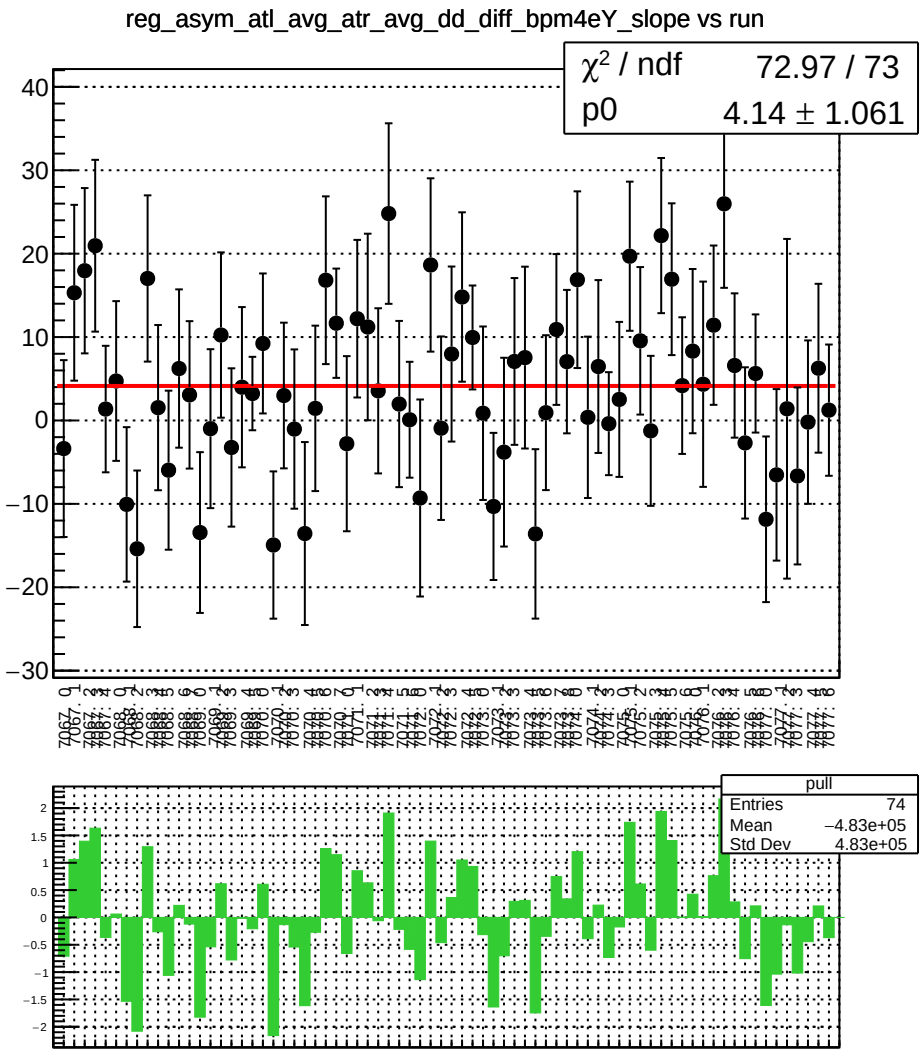

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 19.14 / 73
p0 −143.5 ± 0.2263
−138
−140
−142
−144
−146
−148
pull
Entries 74
Mean −4.431
Std Dev 16.71
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 74
Mean 0.02667
Std Dev 0.5079
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

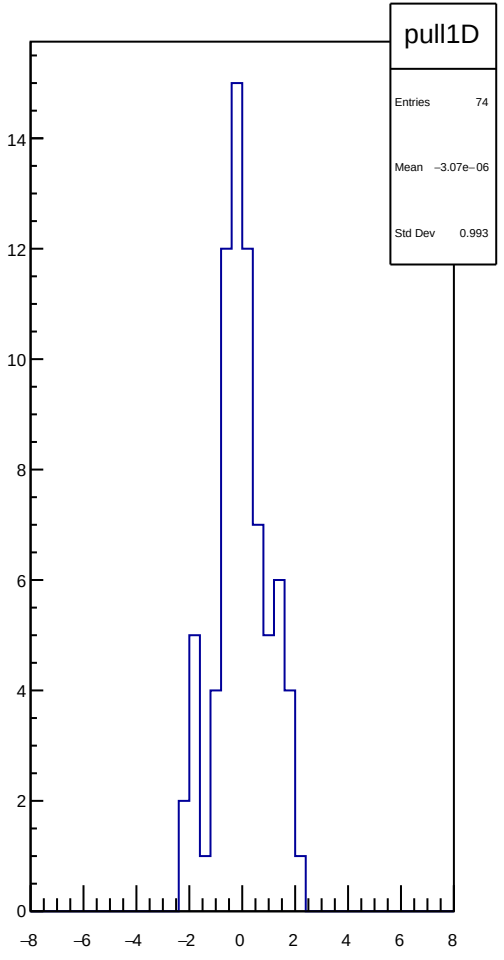

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 69.29 / 73
p0 −13.66 ± 1.269
pull
Entries 74
Mean −11.31
Std Dev 61.99
pull1D
Entries 74
Mean 0.03058
Std Dev 0.9672

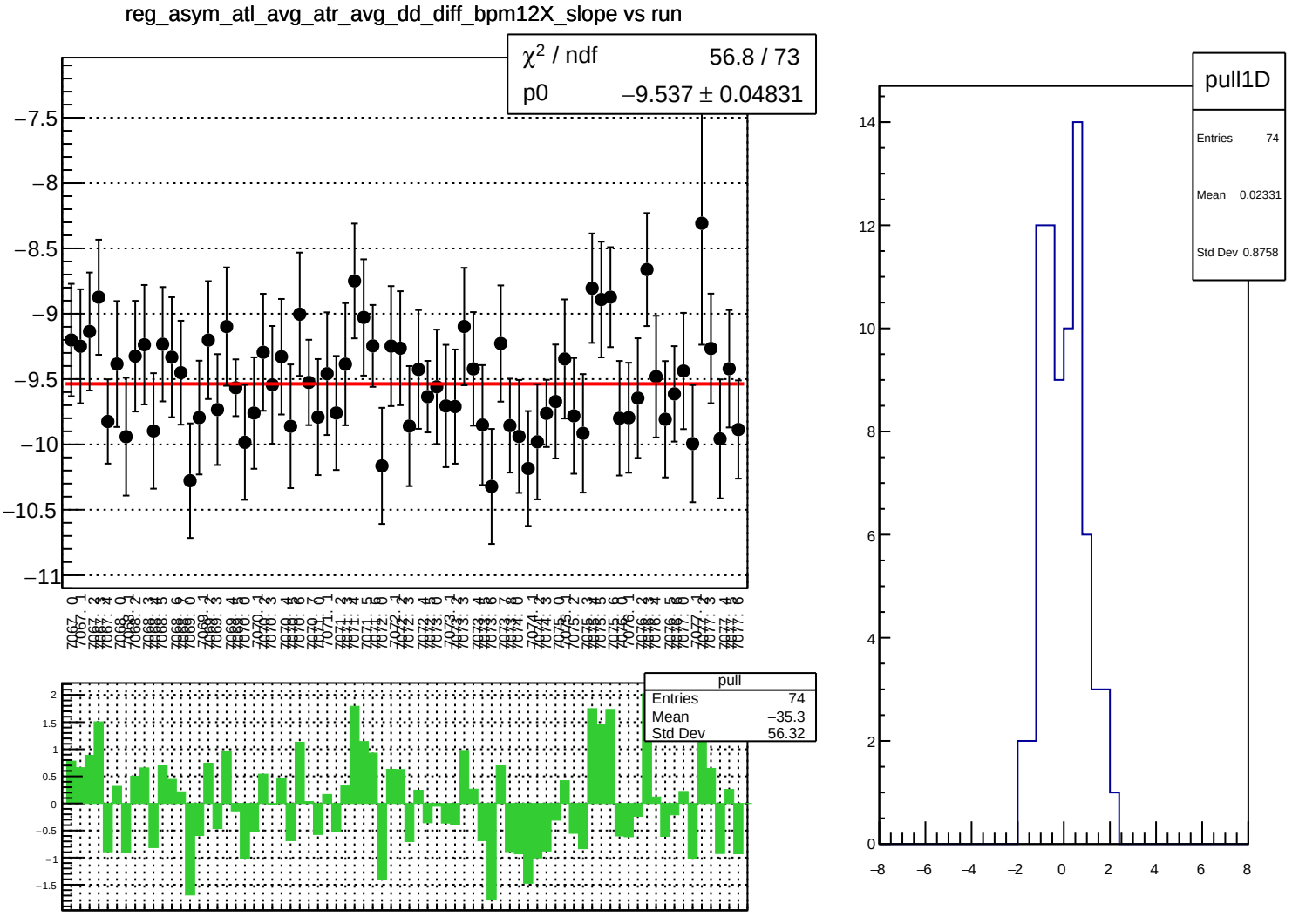

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.88 / 73
p0 1.473 ± 1.021
pull
Entries 74
Mean 43.55
Std Dev 50.69
pull1D
Entries 74
Mean 0.0171
Std Dev 0.9434

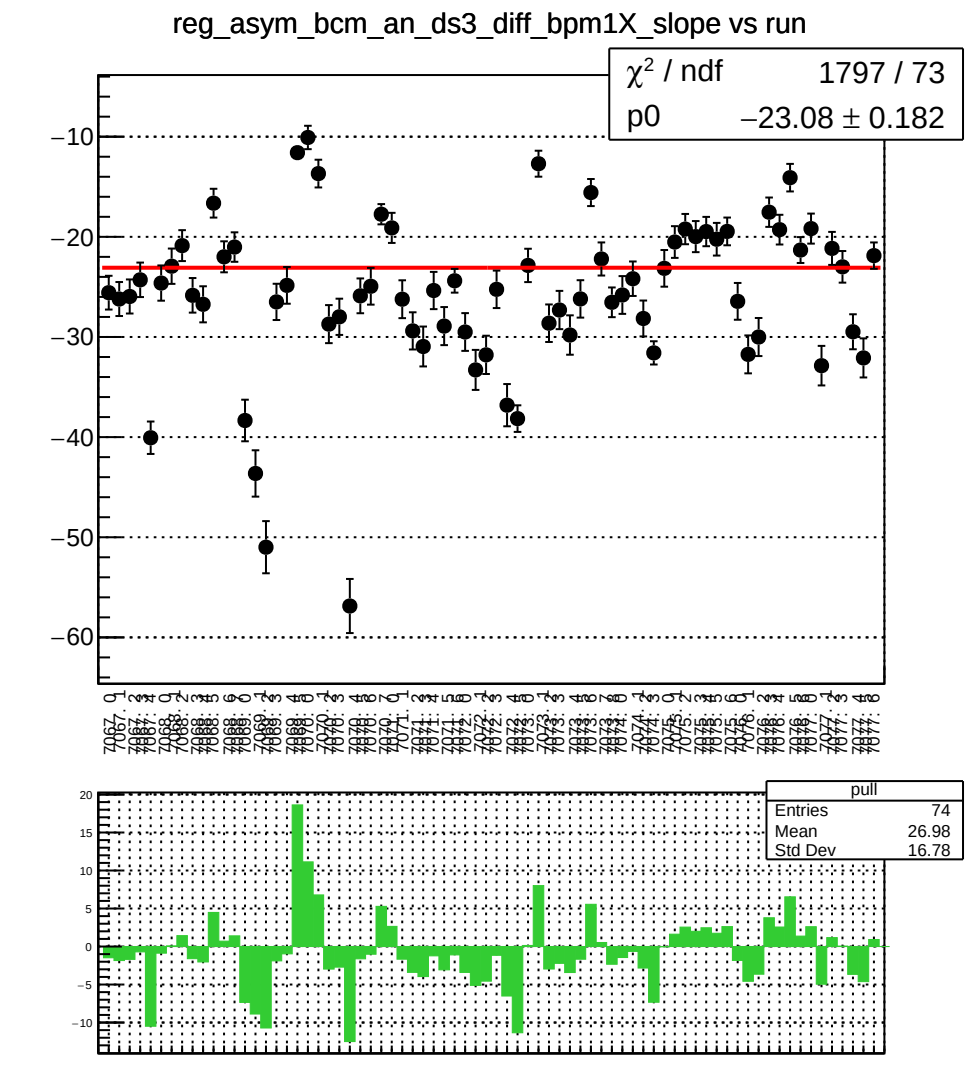

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 69 / 73
p0 −5.069 ± 1.222
pull
Entries 74
Mean 7.067
Std Dev 49.34

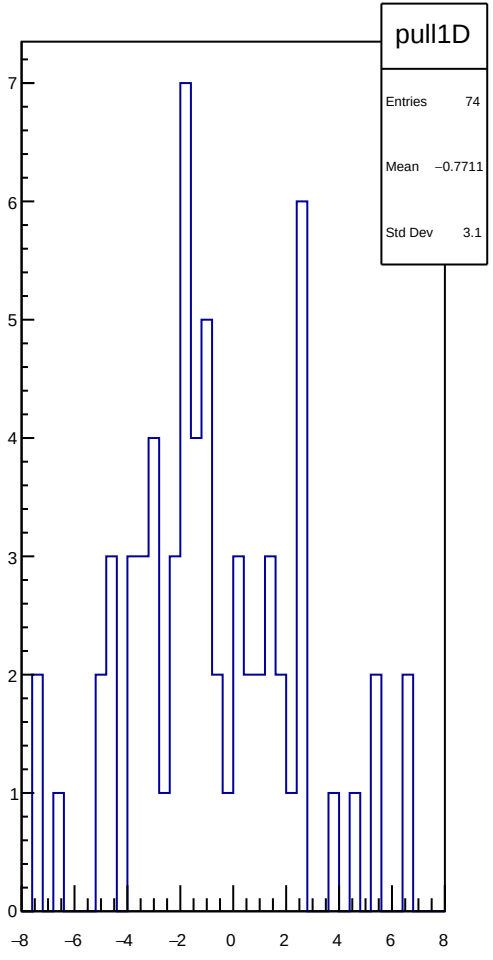

pull1D
Entries 74
Mean −0.0315
Std Dev 0.9651

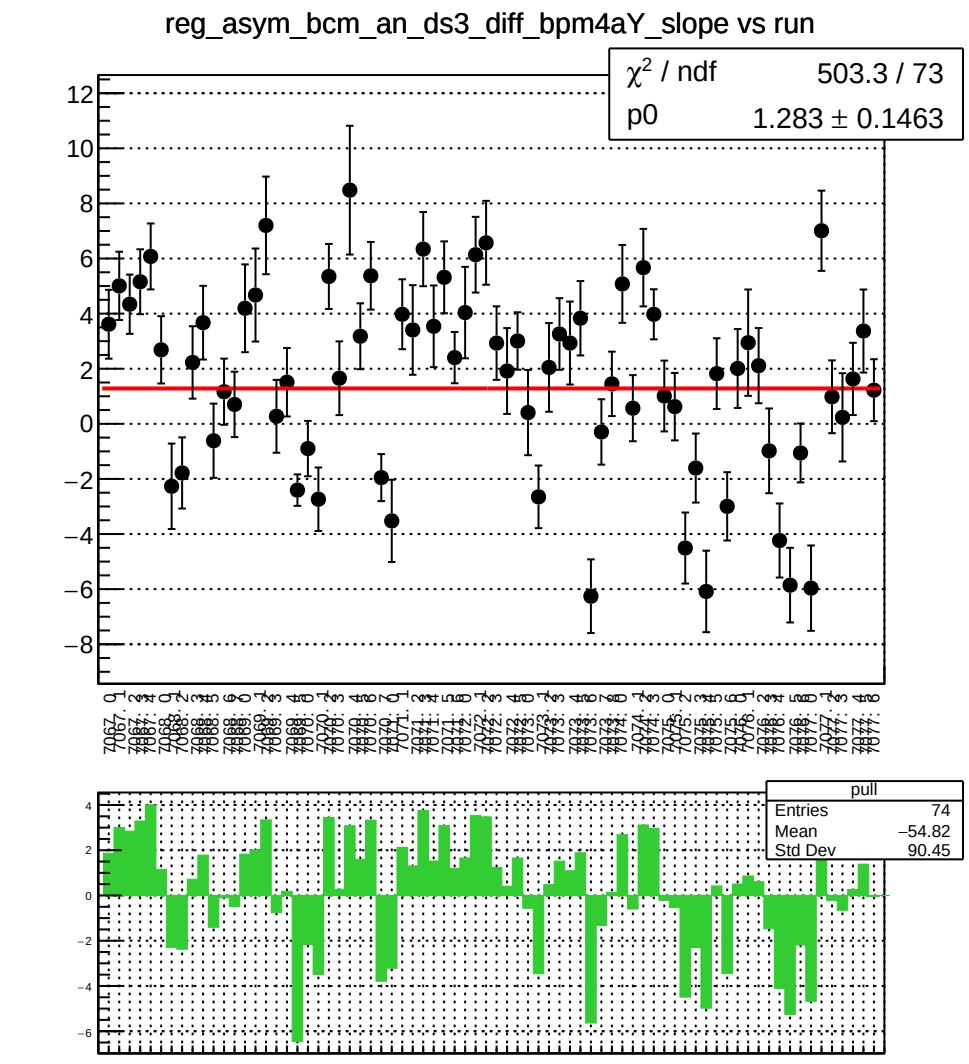

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.97 / 73
p0 4.14 ± 1.061
pull
Entries 74
Mean −4.83e+05
Std Dev 4.83e+05

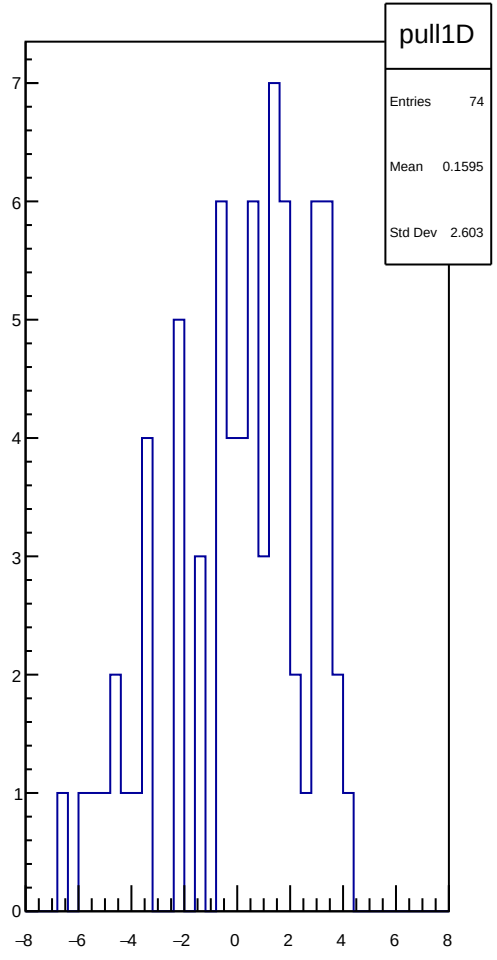

pull1D
Entries 74
Mean −3.07e−06
Std Dev 0.993

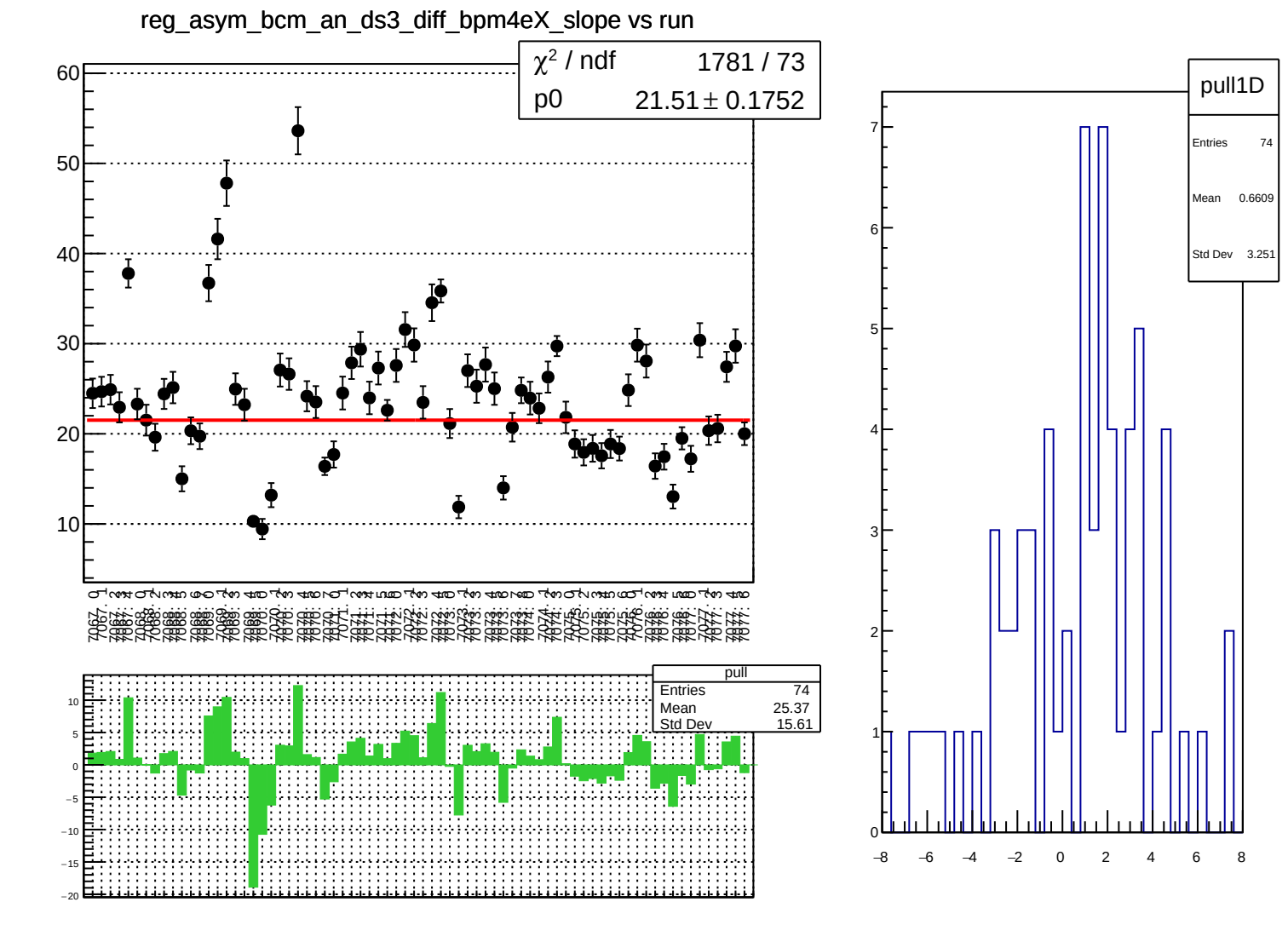

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 56.8 / 73
p0 −9.537 ± 0.04831
pull
Entries 74
Mean −35.3
Std Dev 56.32
pull1D
Entries 74
Mean 0.02331
Std Dev 0.8758

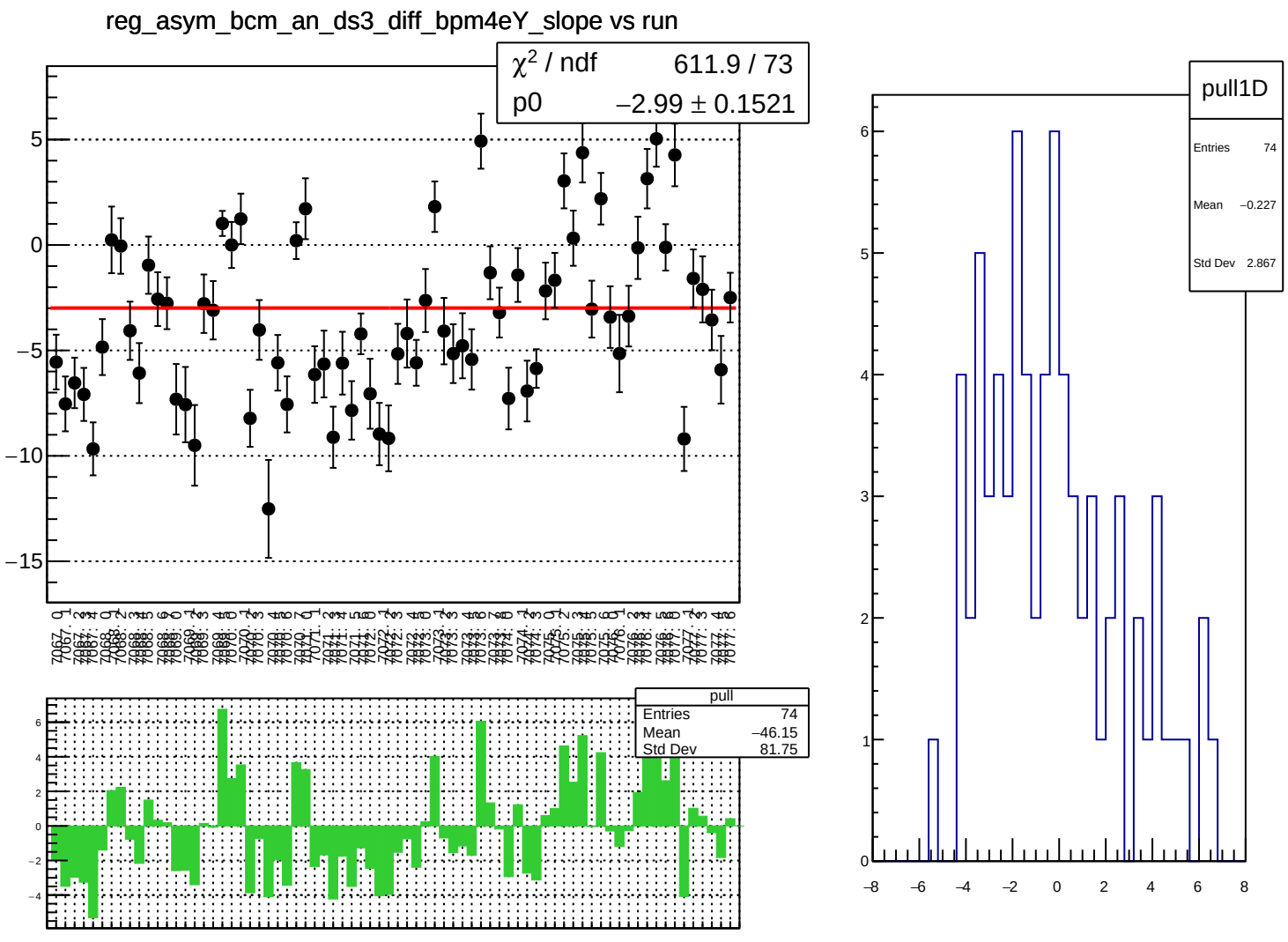

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1797 / 73
p0 −23.08 ± 0.182
pull
Entries 74
Mean 26.98
Std Dev 16.78

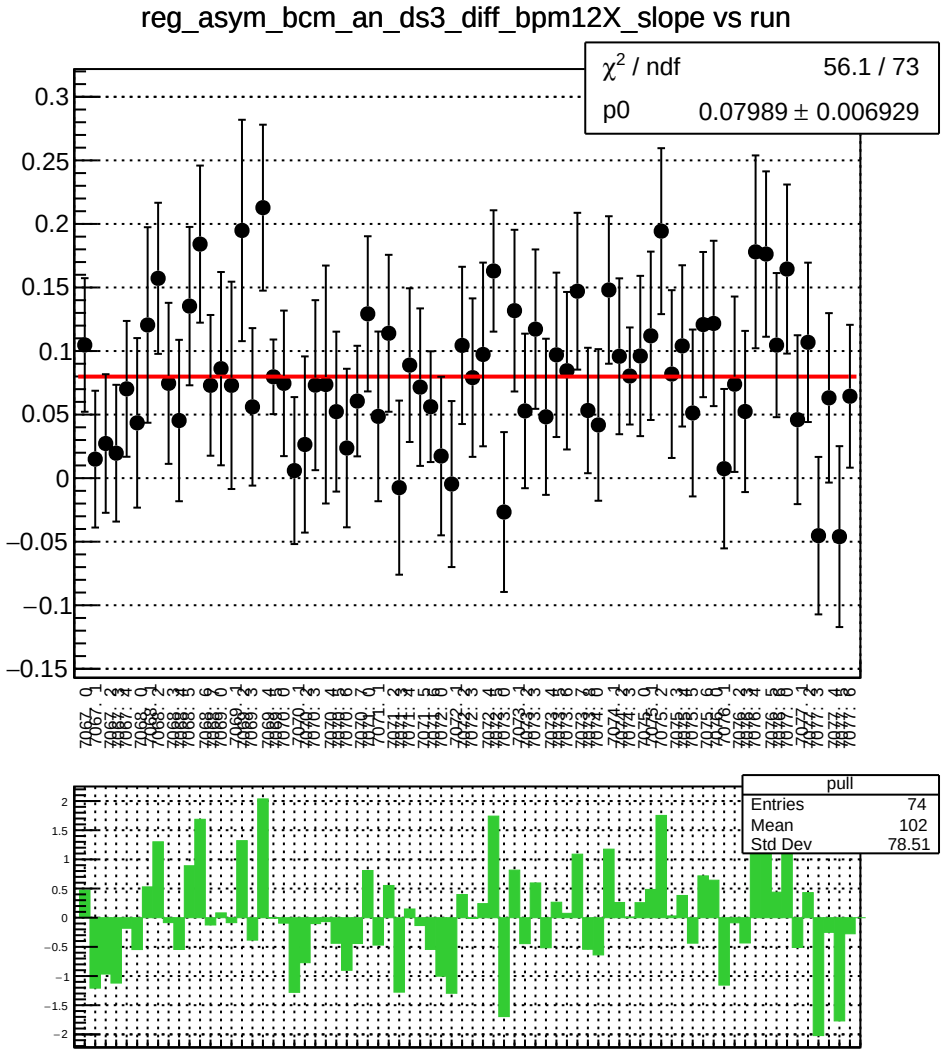

pull1D
Entries 74
Mean −0.7711
Std Dev 3.1

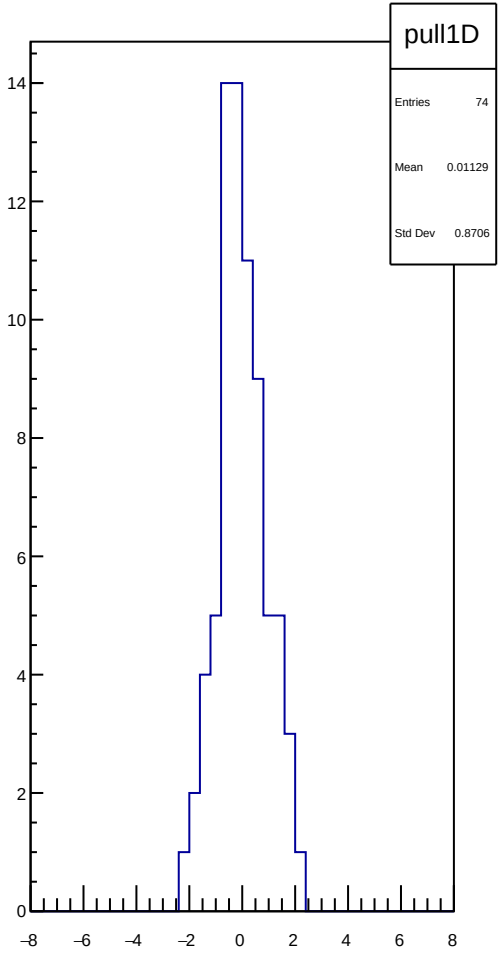

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 503.3 / 73
p0 1.283 ± 0.1463
pull
Entries 74
Mean −54.82
Std Dev 90.45

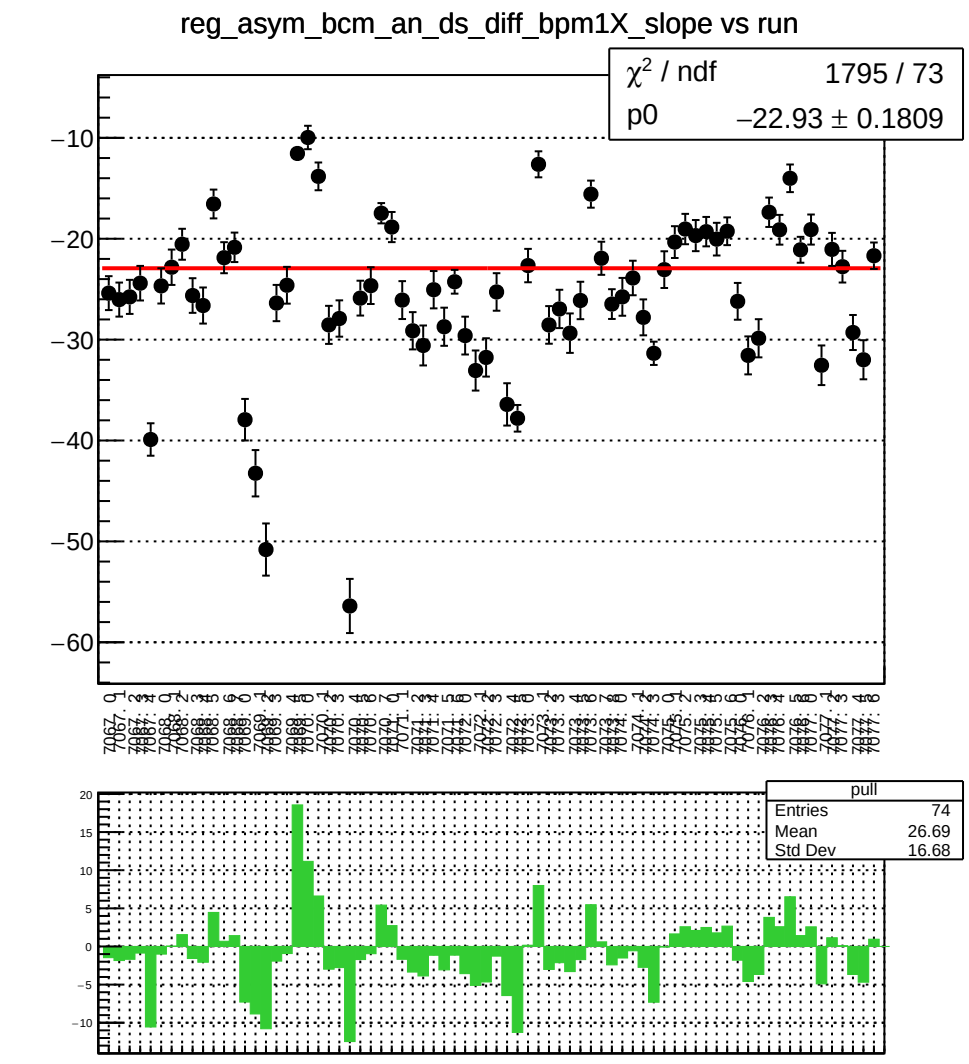

pull1D
Entries 74
Mean 0.1595
Std Dev 2.603

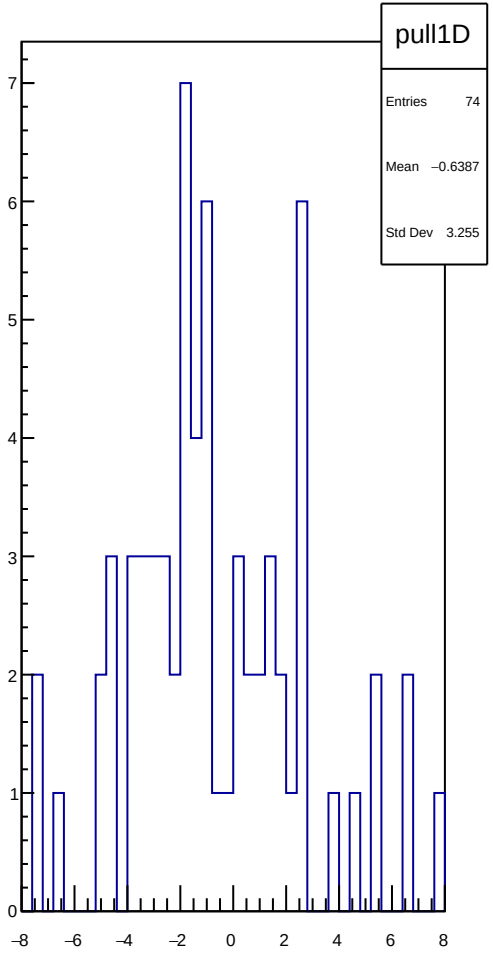

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1781 / 73
p0 21.51 ± 0.1752
pull
Entries 74
Mean 25.37
Std Dev 15.61
pull1D
Entries 74
Mean 0.6609
Std Dev 3.251

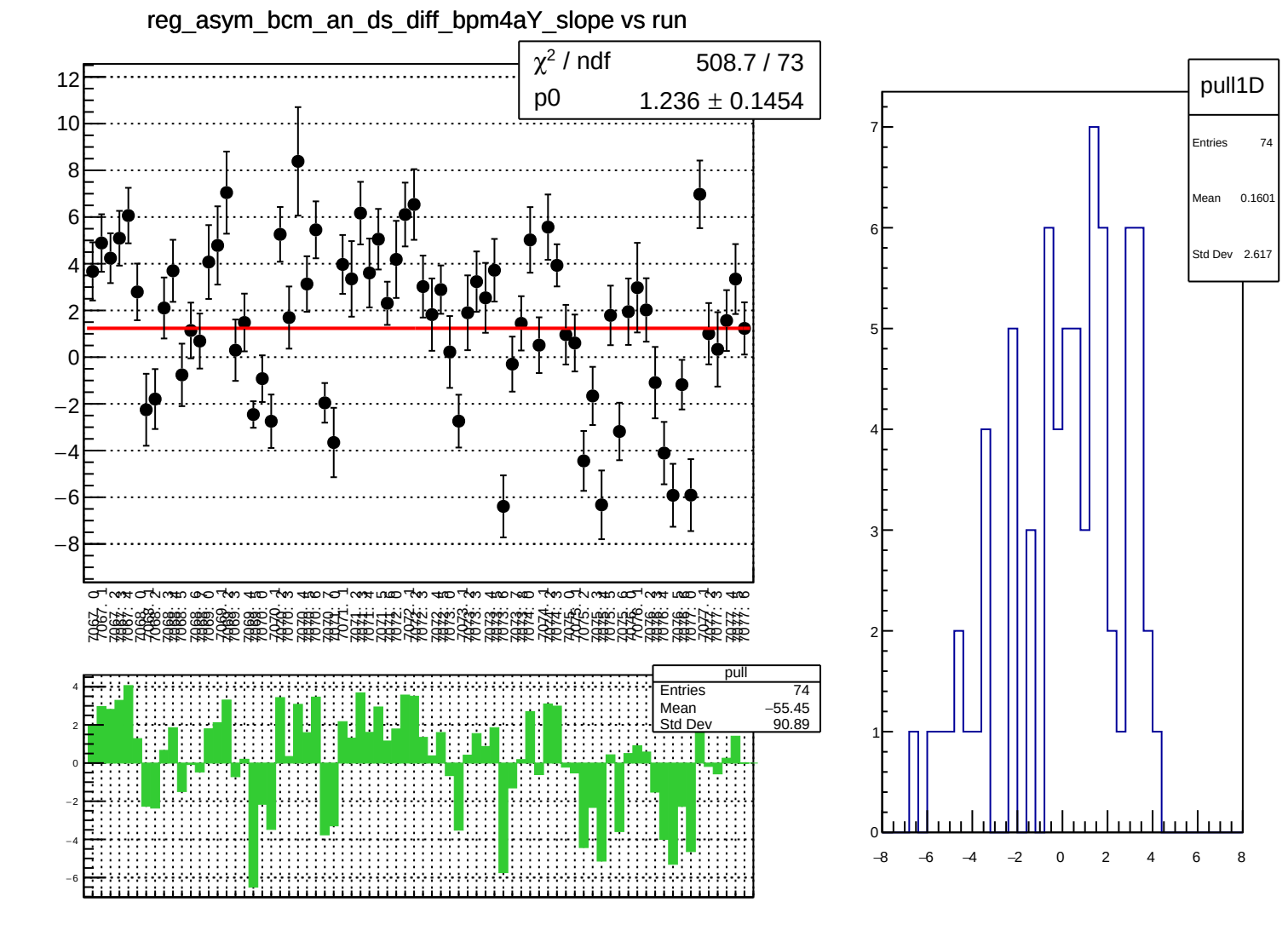

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 611.9 / 73
p0 −2.99 ± 0.1521
pull
Entries 74
Mean −46.15
Std Dev 81.75
pull1D
Entries 74
Mean −0.227
Std Dev 2.867

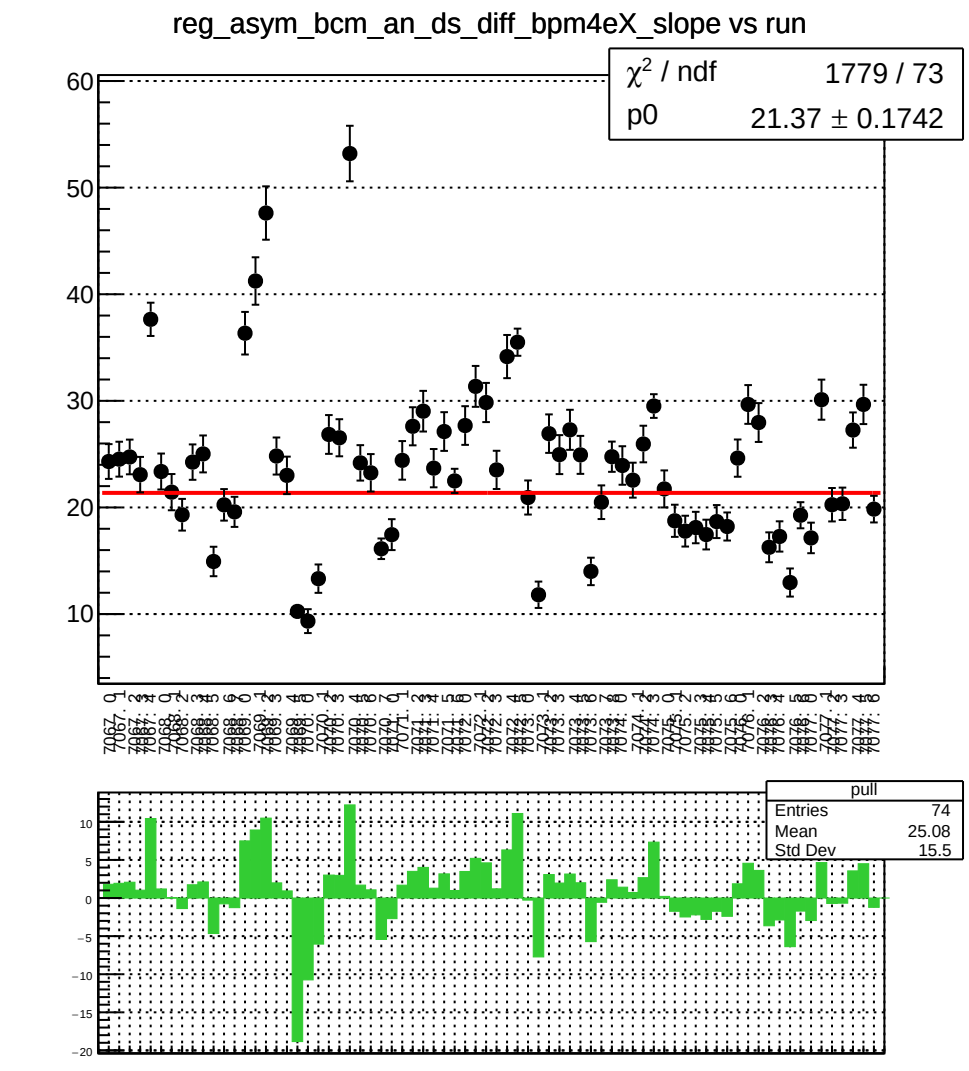

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 56.1 / 73
p0 0.07989 ± 0.006929
pull
Entries 74
Mean 102
Std Dev 78.51

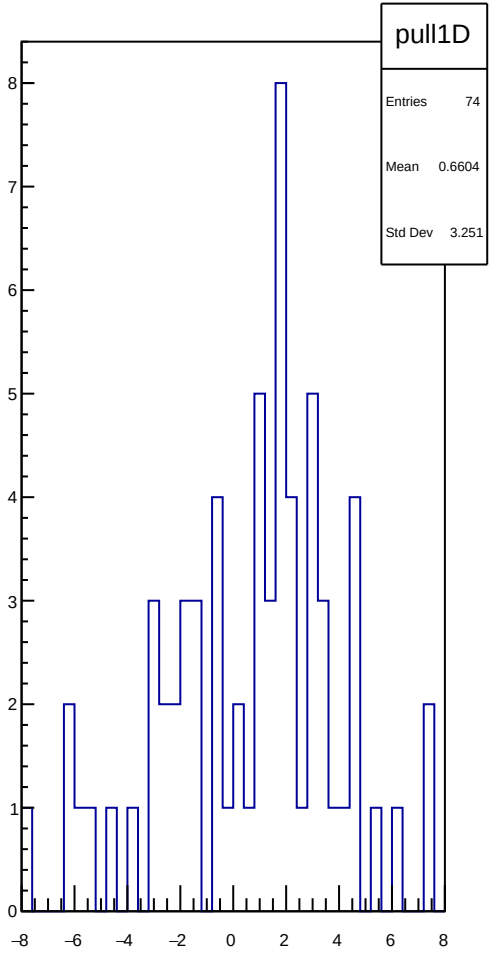

pull1D
Entries 74
Mean 0.01129
Std Dev 0.8706

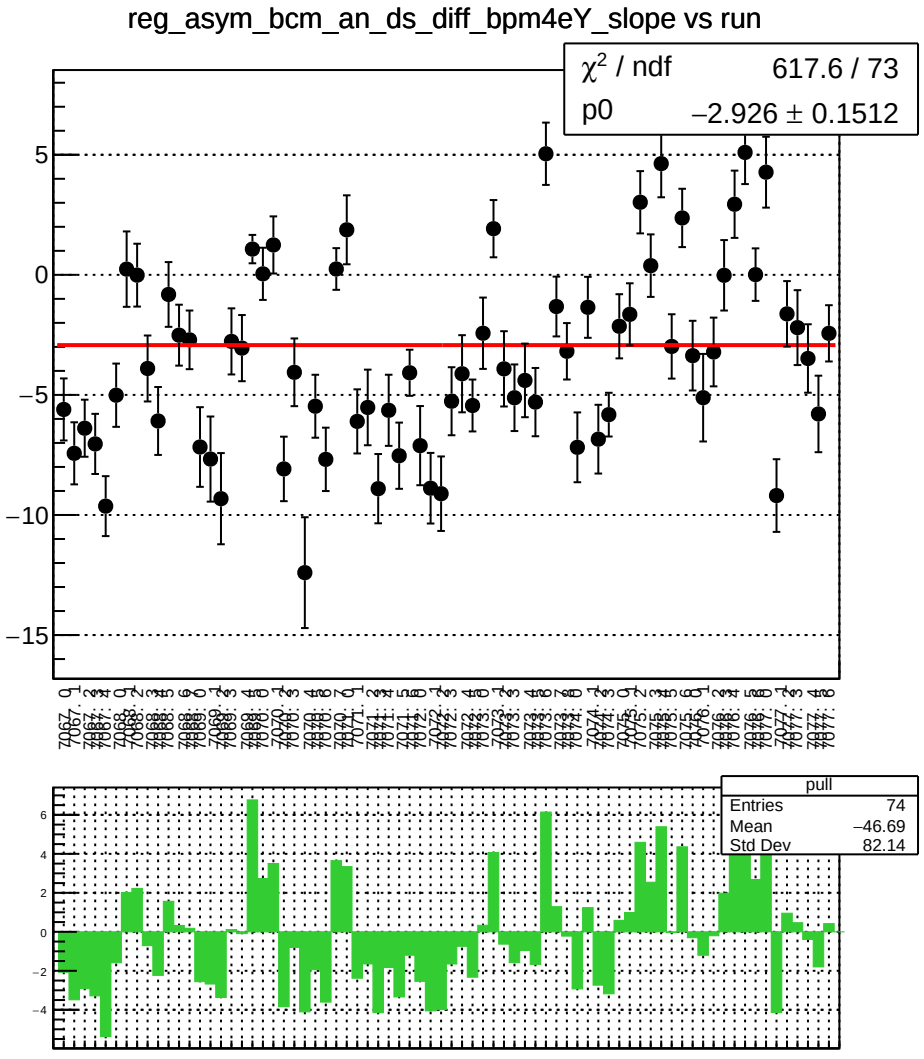

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1795 / 73
p0 −22.93 ± 0.1809
pull
Entries 74
Mean 26.69
Std Dev 16.68

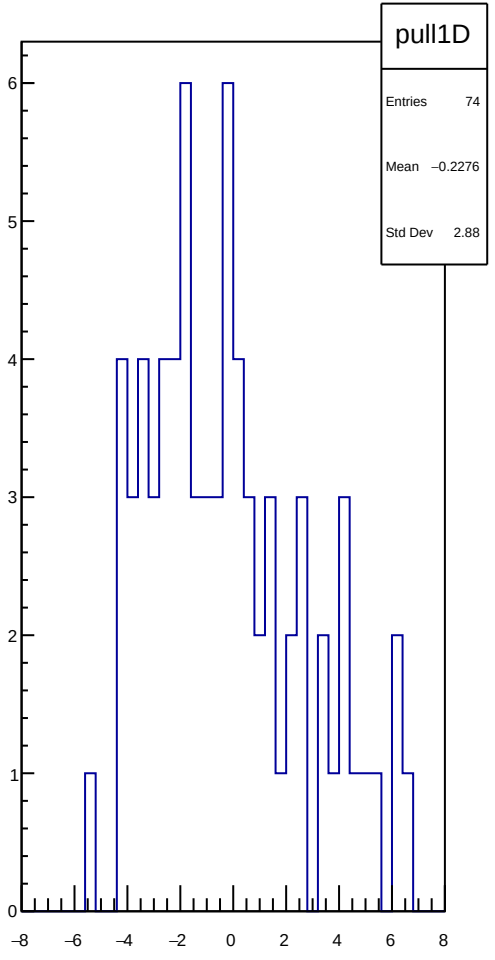

pull1D
Entries 74
Mean −0.6387
Std Dev 3.255

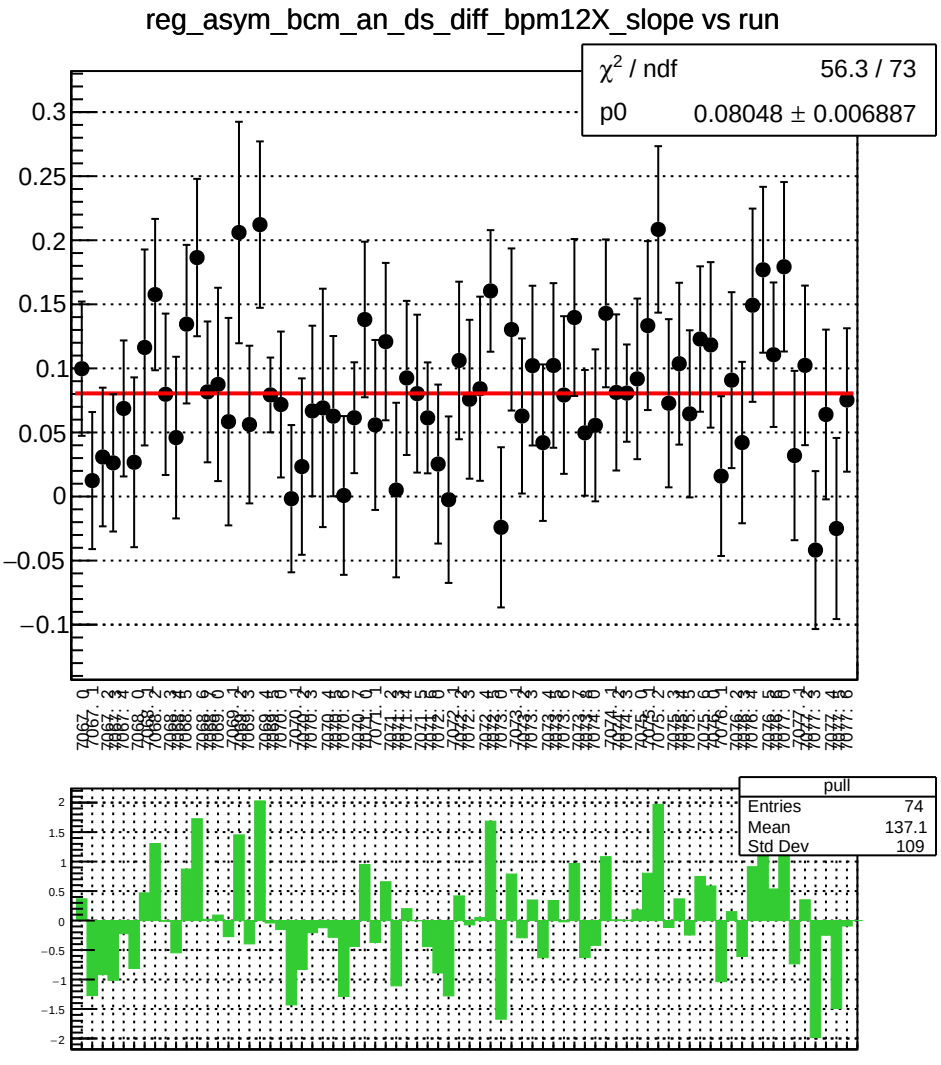

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 508.7 / 73
p0 1.236 ± 0.1454
pull
Entries 74
Mean −55.45
Std Dev 90.89
pull1D
Entries 74
Mean 0.1601
Std Dev 2.617

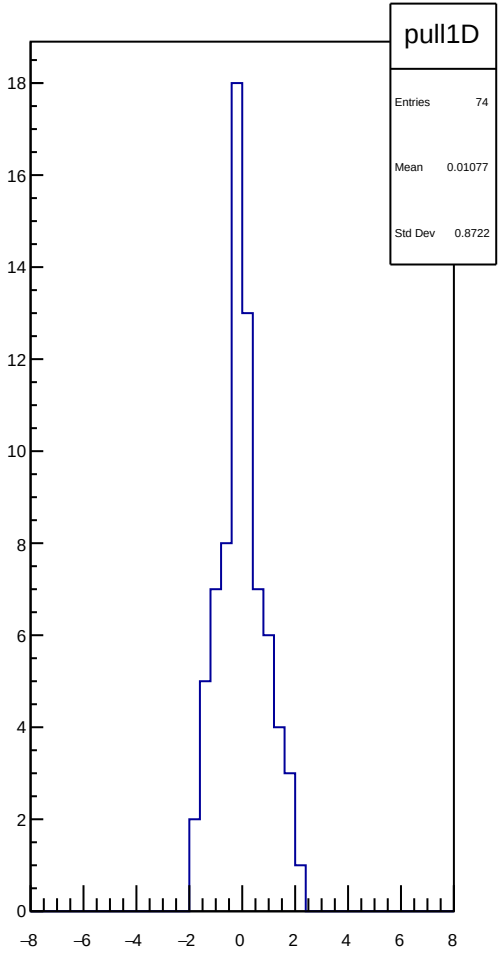

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1779 / 73
p0 21.37 ± 0.1742
pull
Entries 74
Mean 25.08
Std Dev 15.5

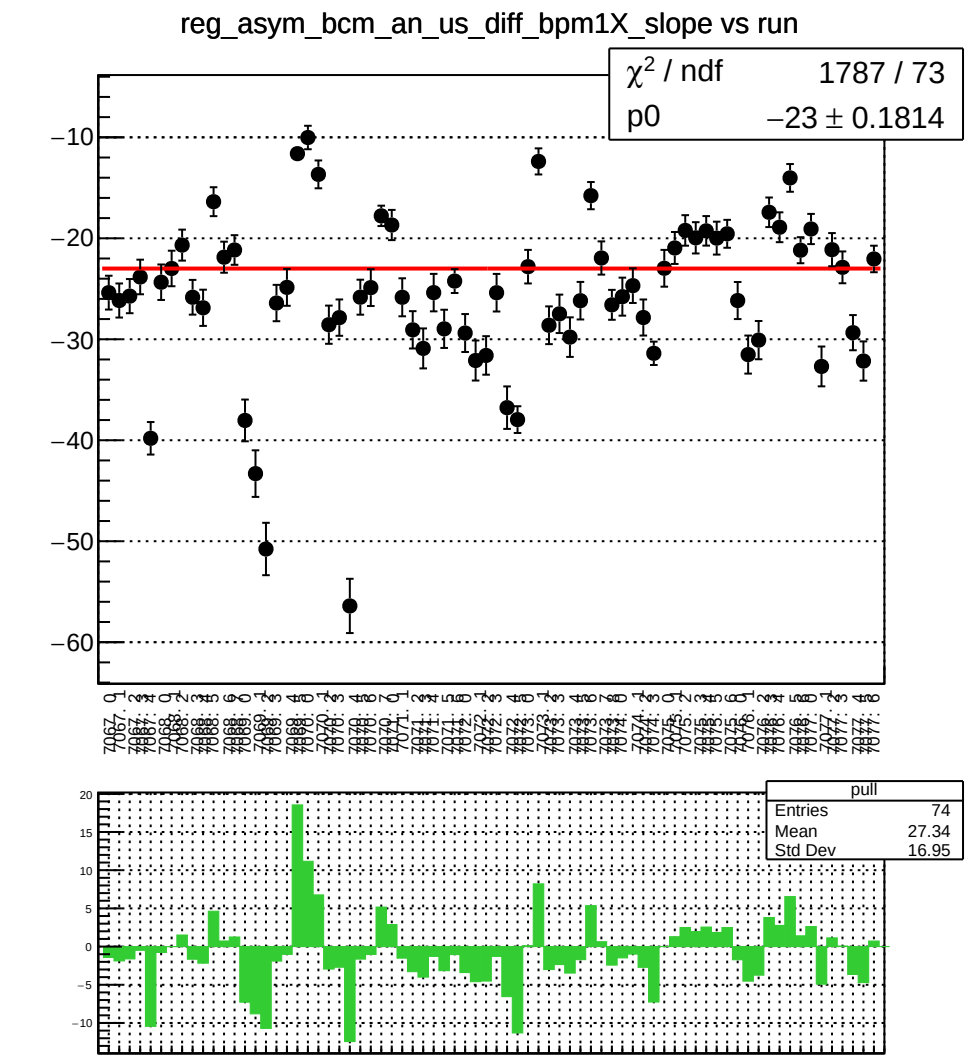

pull1D
Entries 74
Mean 0.6604
Std Dev 3.251

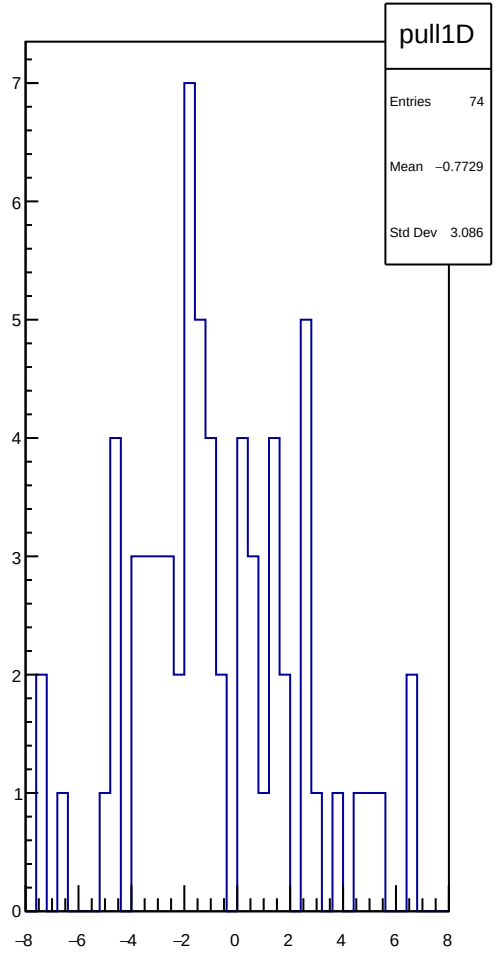

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 617.6 / 73
p0 −2.926 ± 0.1512
pull
Entries 74
Mean −46.69
Std Dev 82.14

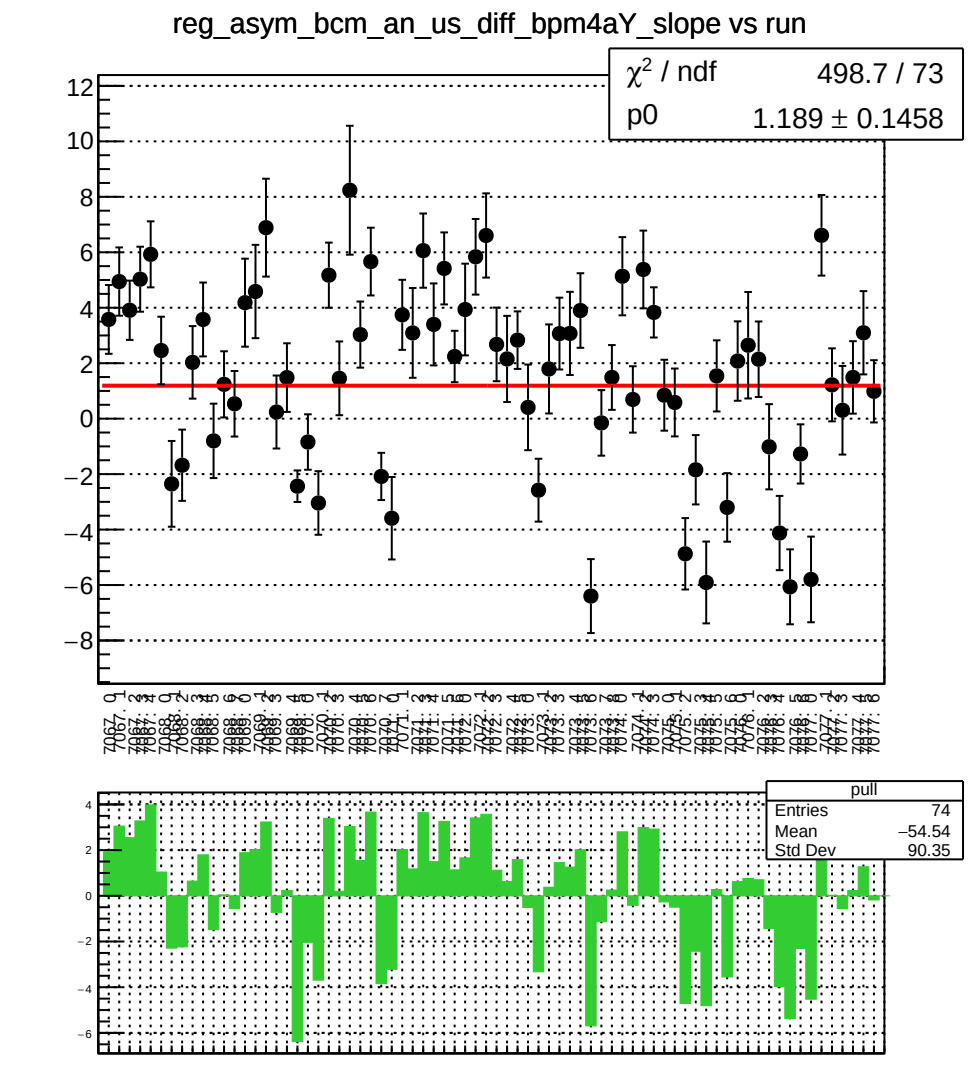

pull1D
Entries 74
Mean −0.2276
Std Dev 2.88

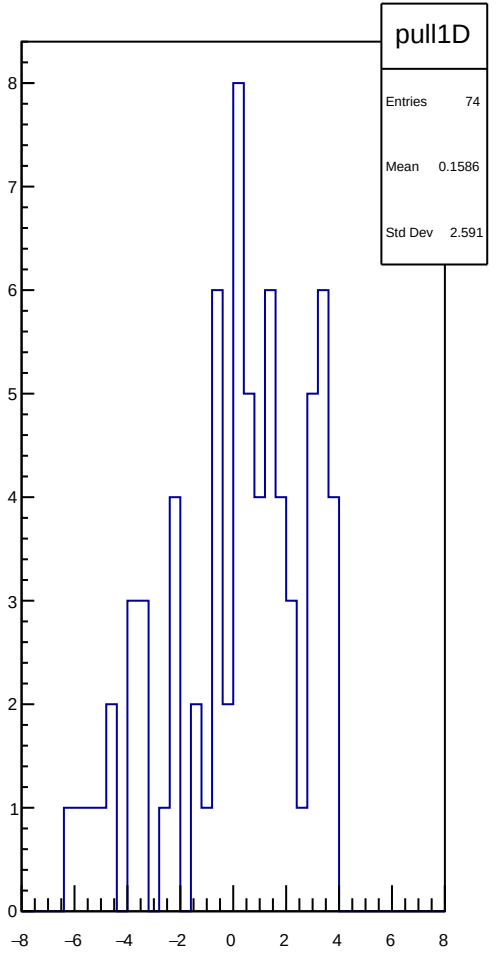

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 56.3 / 73
p0 0.08048 ± 0.006887
pull
Entries 74
Mean 137.1
Std Dev 109

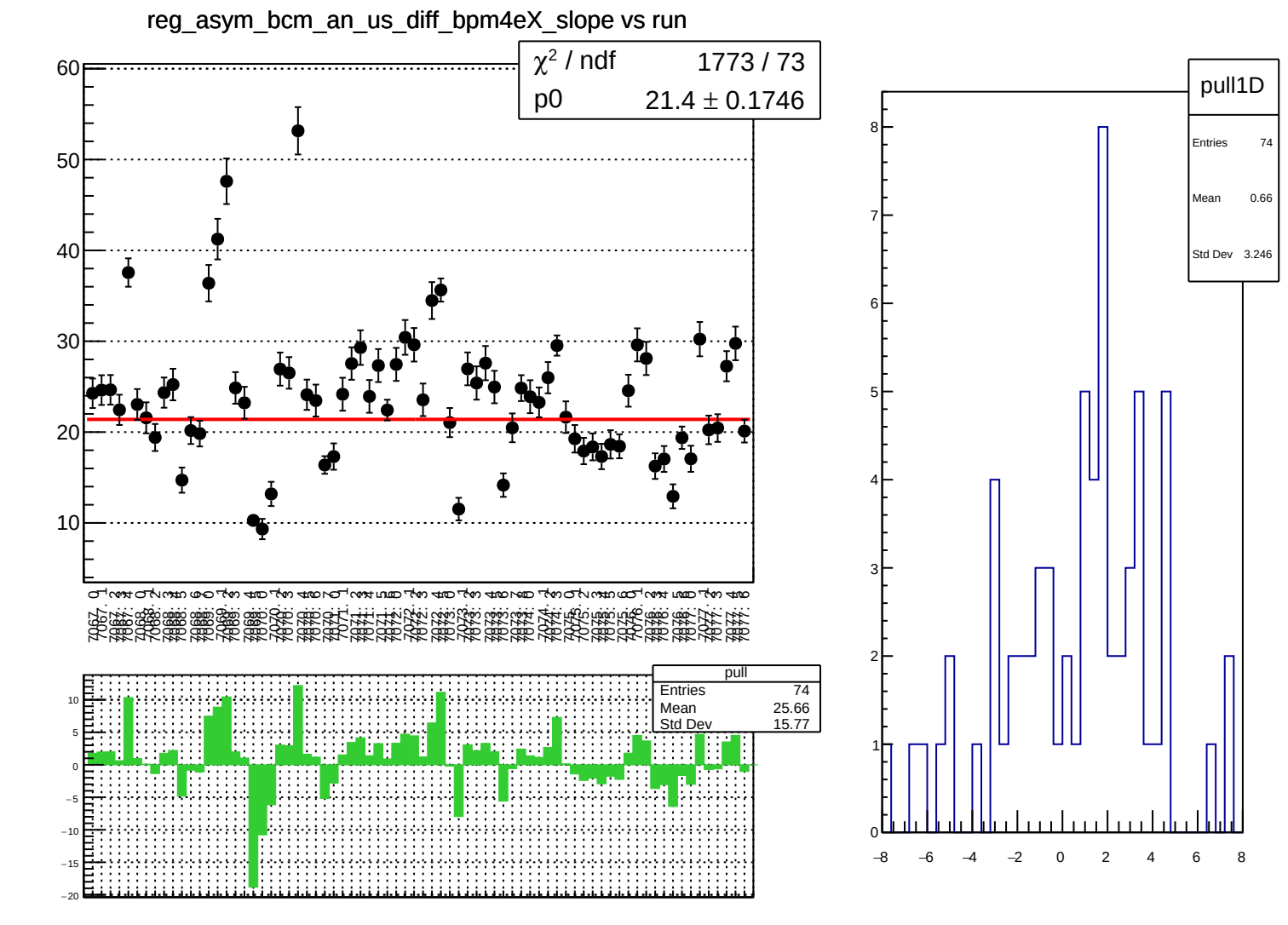

pull1D
Entries 74
Mean 0.01077
Std Dev 0.8722

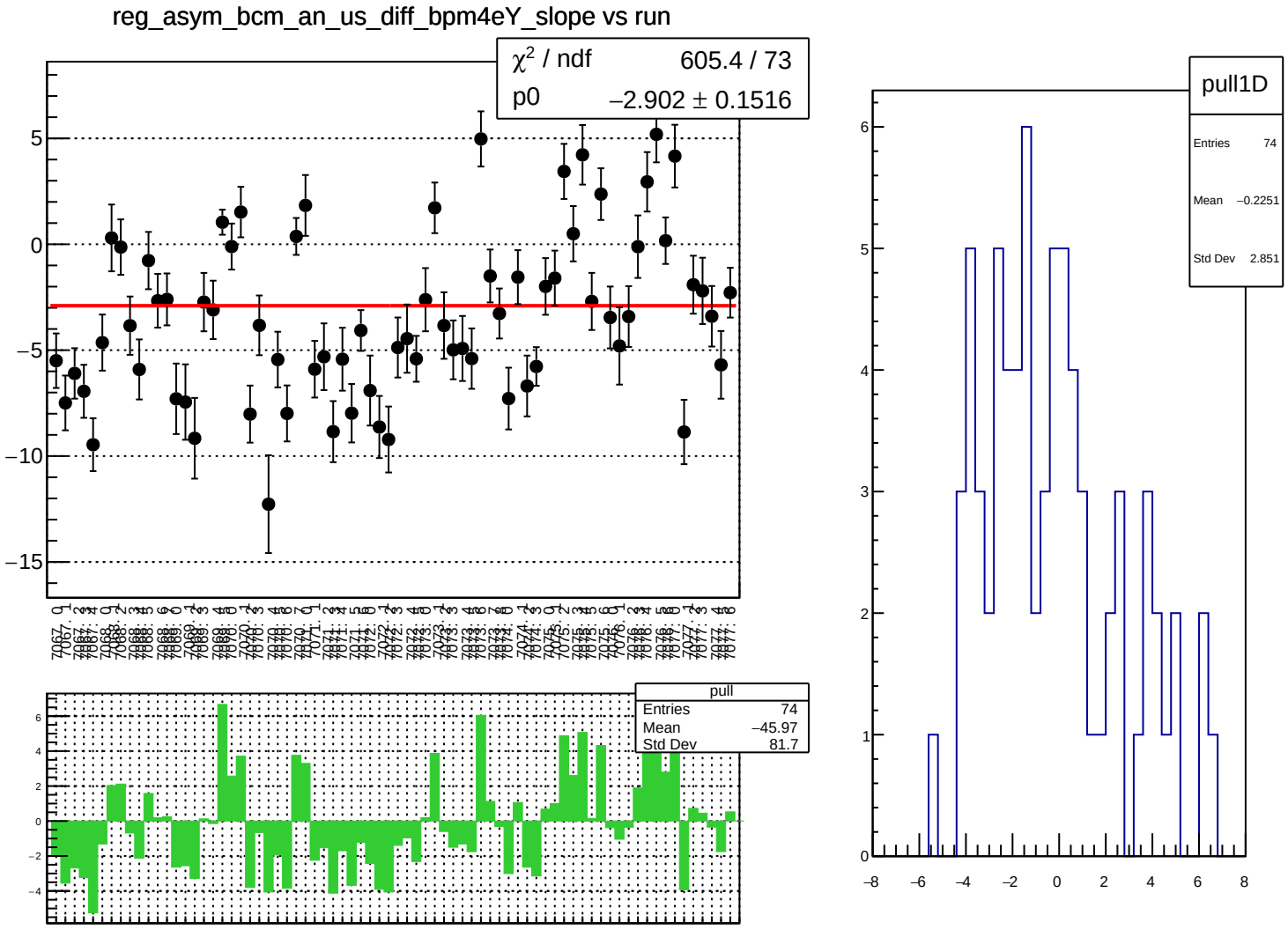

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1787 / 73
p0 −23 ± 0.1814
pull
Entries 74
Mean 27.34
Std Dev 16.95

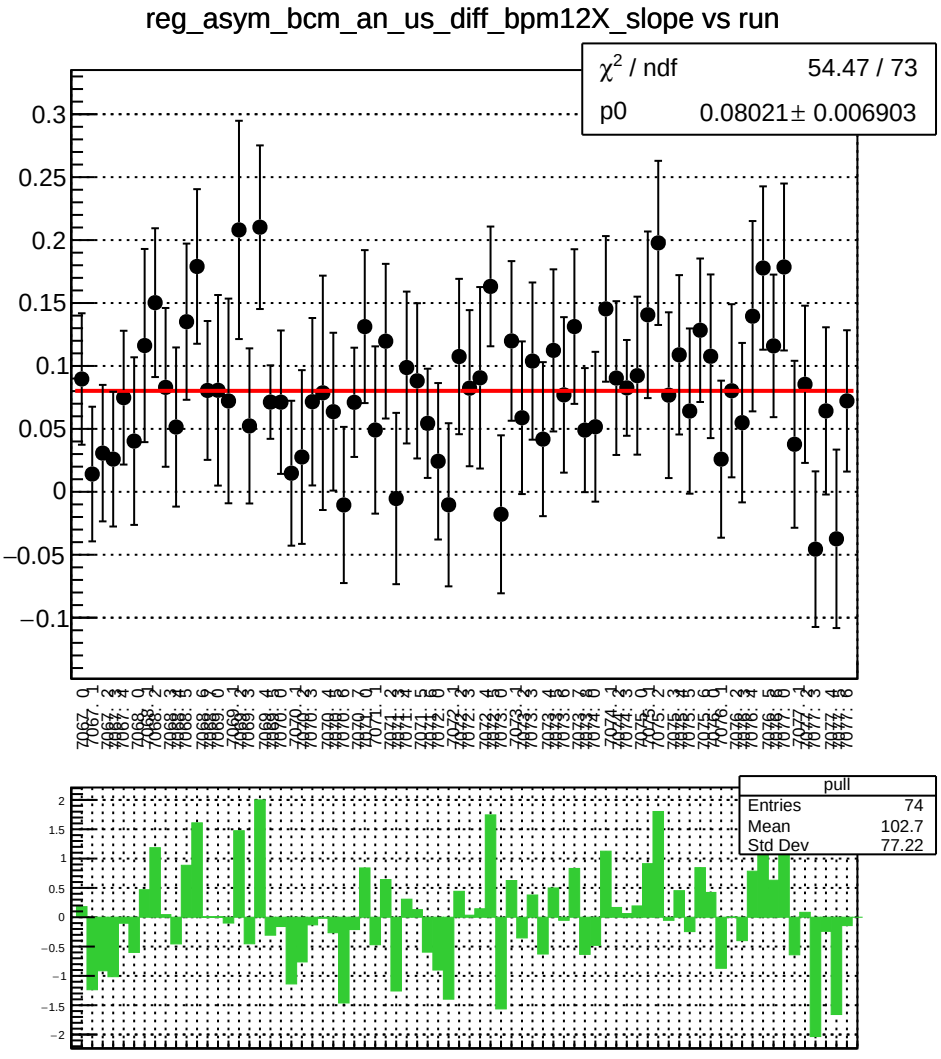

pull1D
Entries 74
Mean −0.7729
Std Dev 3.086

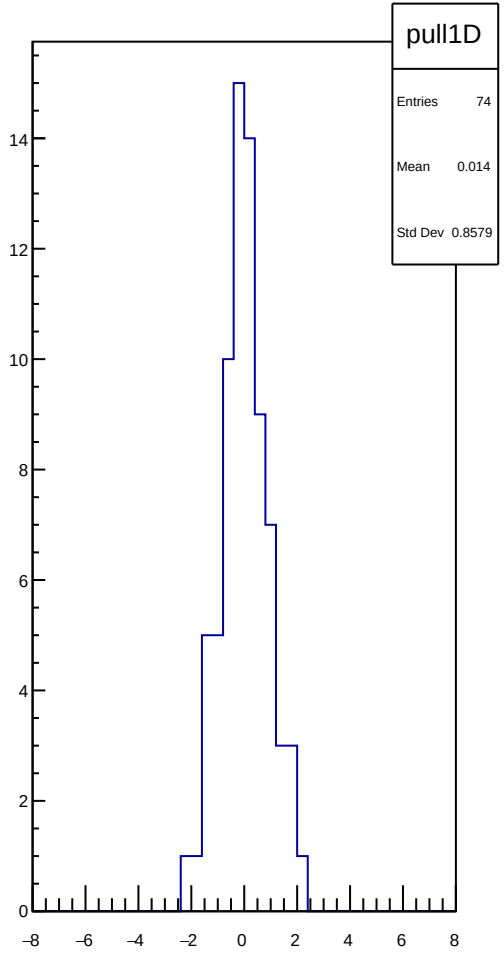

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 498.7 / 73
p0 1.189 ± 0.1458
pull
Entries 74
Mean −54.54
Std Dev 90.35

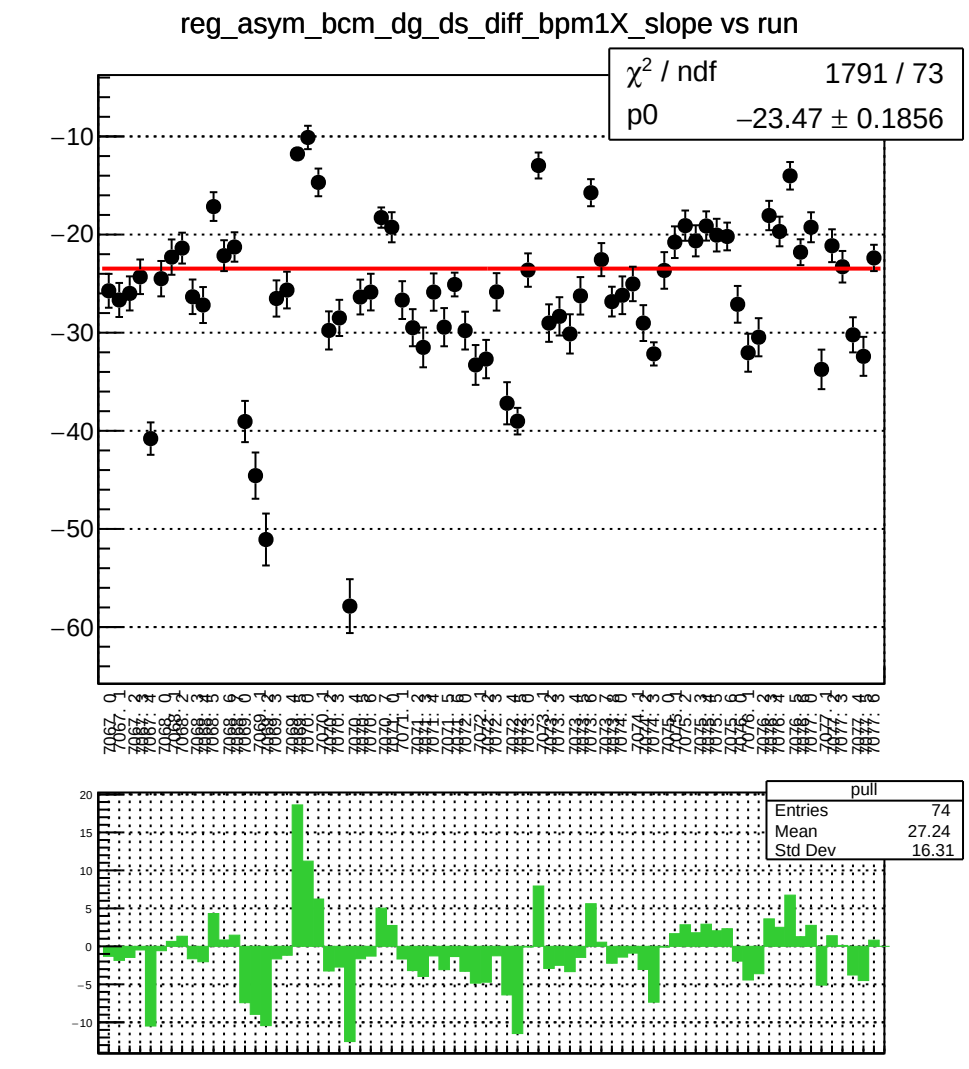

pull1D
Entries 74
Mean 0.1586
Std Dev 2.591

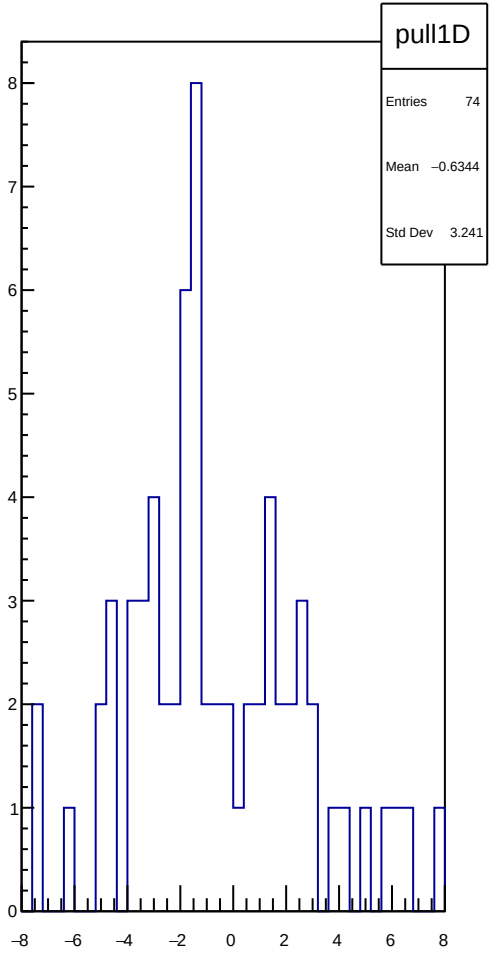

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1773 / 73
p0 21.4 ± 0.1746
pull
Entries 74
Mean 25.66
Std Dev 15.77
pull1D
Entries 74
Mean 0.66
Std Dev 3.246

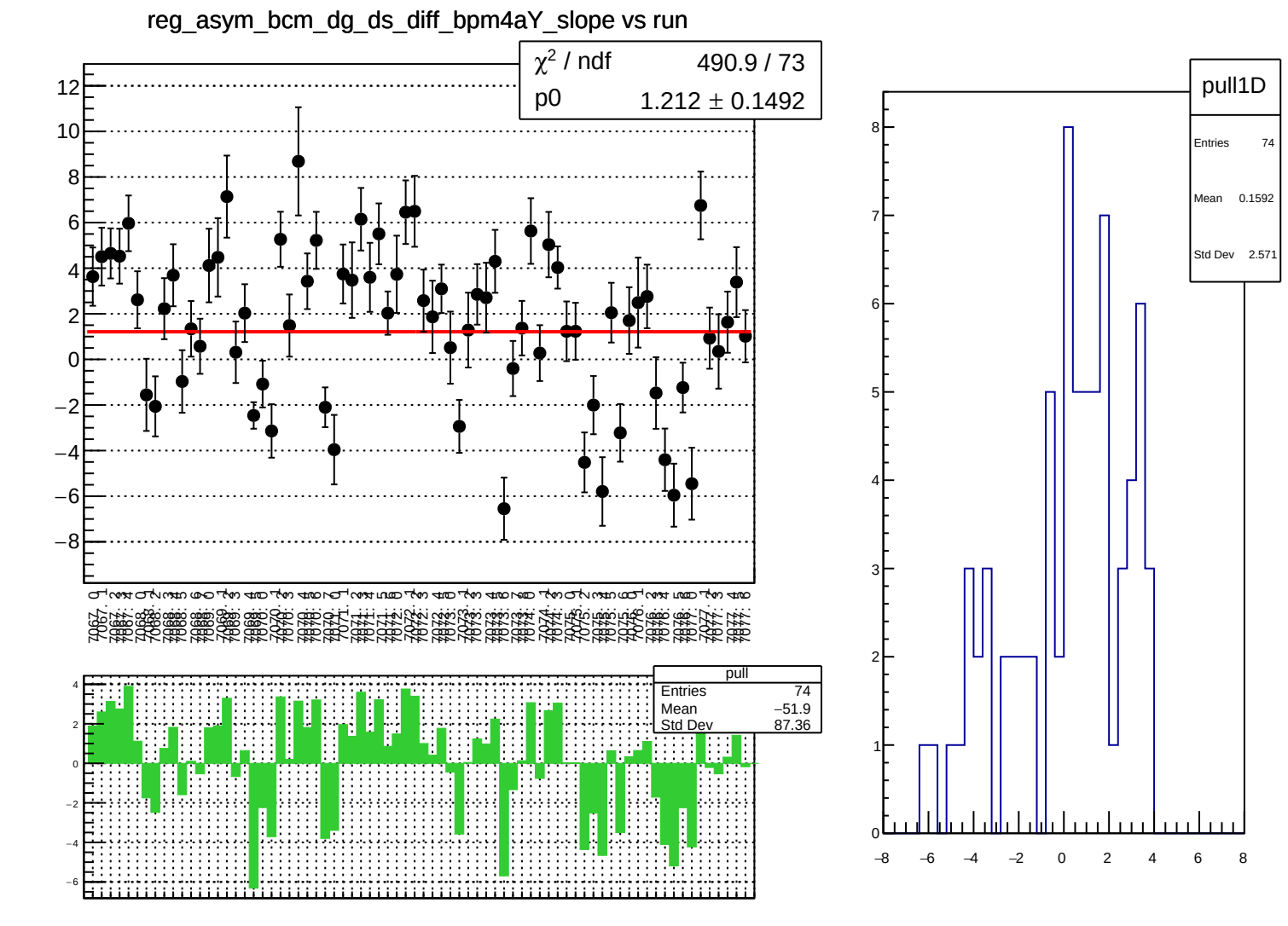

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 605.4 / 73
p0 −2.902 ± 0.1516
pull
Entries 74
Mean −45.97
Std Dev 81.7
pull1D
Entries 74
Mean −0.2251
Std Dev 2.851

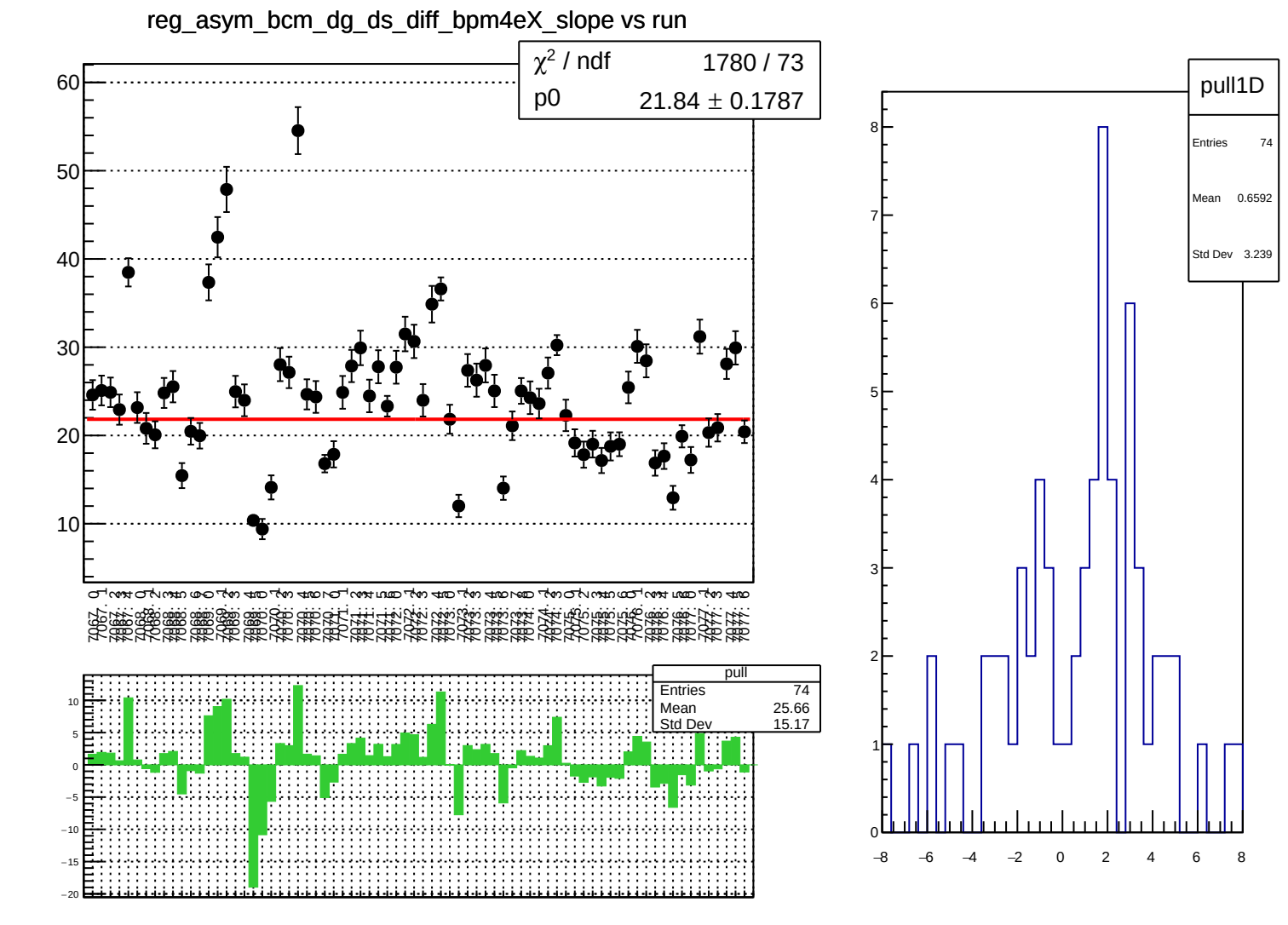

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 54.47 / 73
p0 0.08021± 0.006903
pull
Entries 74
Mean 102.7
Std Dev 77.22

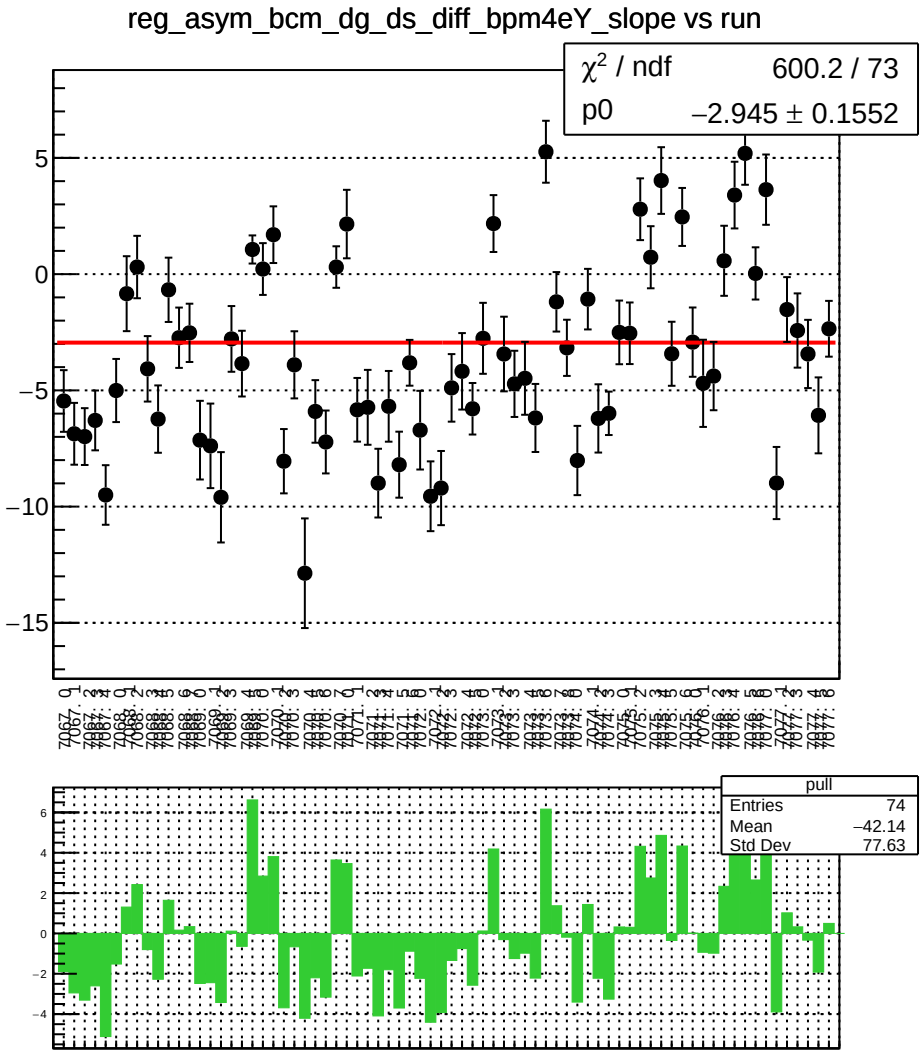

pull1D
Entries 74
Mean 0.014
Std Dev 0.8579

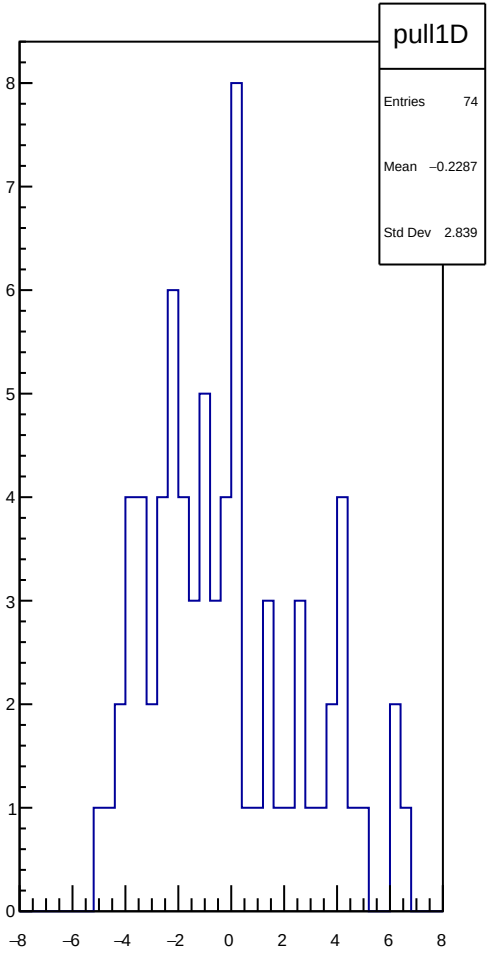

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1791 / 73
p0 −23.47 ± 0.1856
pull
Entries 74
Mean 27.24
Std Dev 16.31

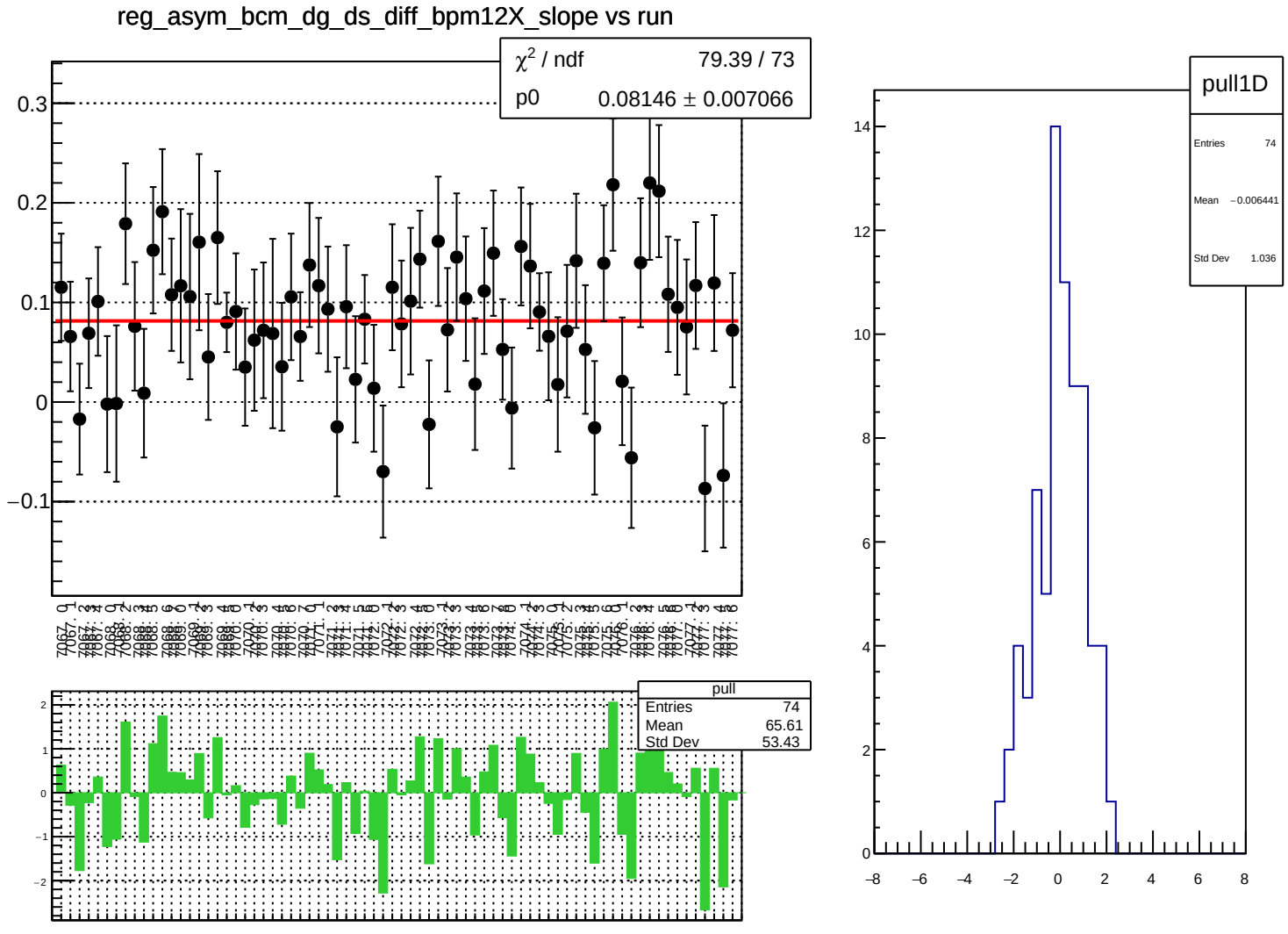

pull1D
Entries 74
Mean −0.6344
Std Dev 3.241

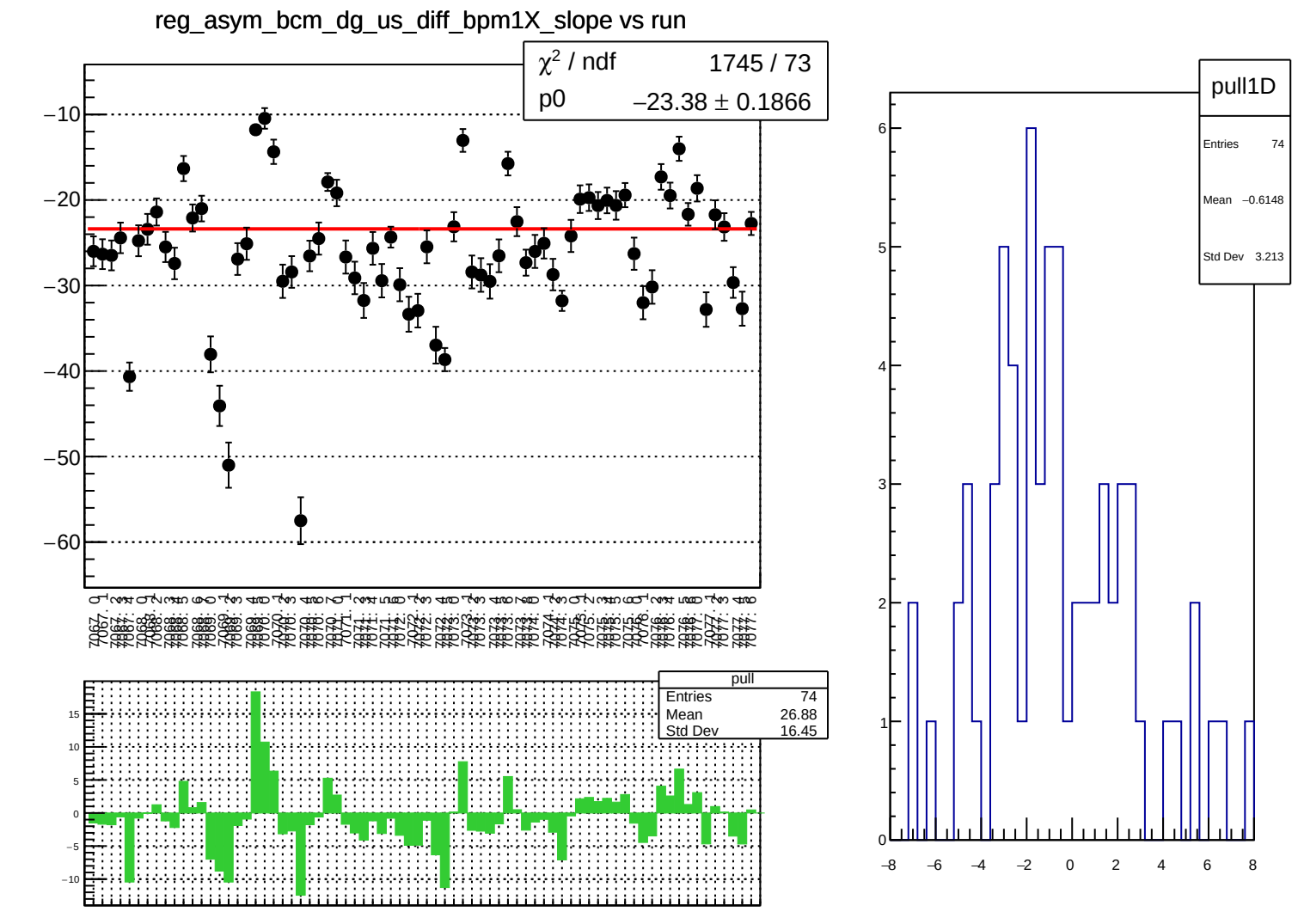

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 490.9 / 73
p0 1.212 ± 0.1492
pull
Entries 74
Mean −51.9
Std Dev 87.36
pull1D
Entries 74
Mean 0.1592
Std Dev 2.571

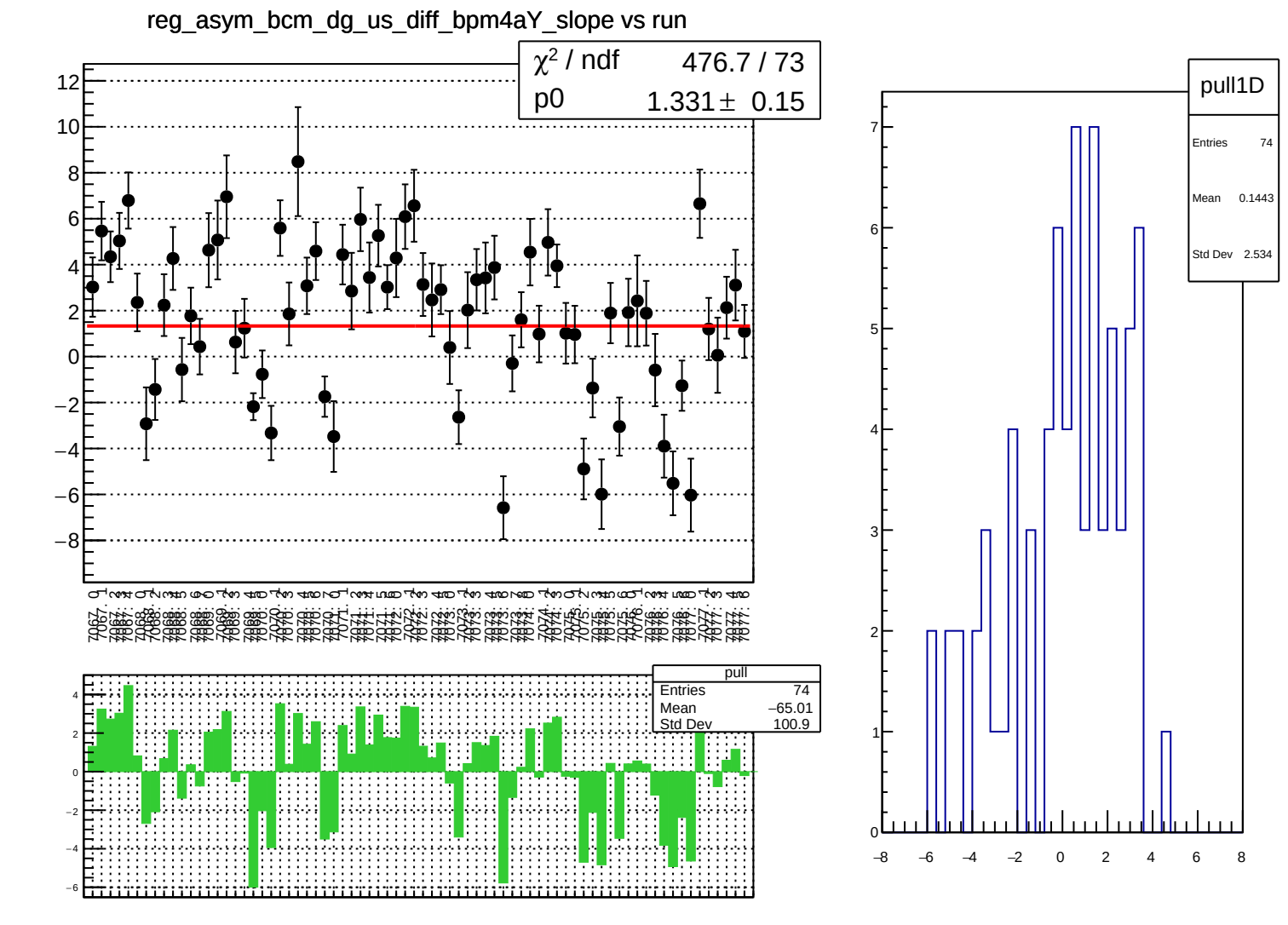

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1780 / 73
p0 21.84 ± 0.1787
pull
Entries 74
Mean 25.66
Std Dev 15.17
pull1D
Entries 74
Mean 0.6592
Std Dev 3.239

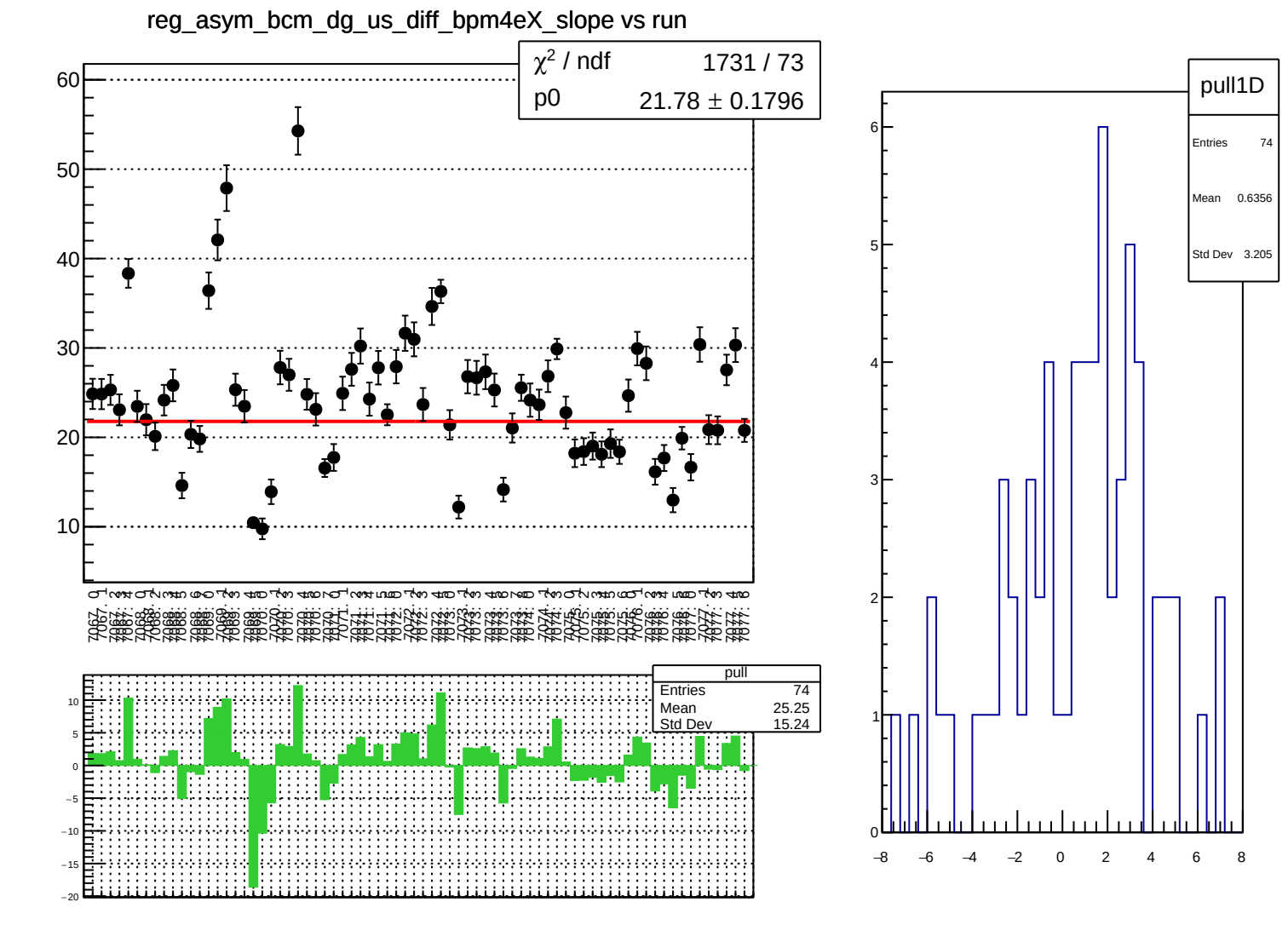

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 600.2 / 73
p0 −2.945 ± 0.1552
pull
Entries 74
Mean −42.14
Std Dev 77.63

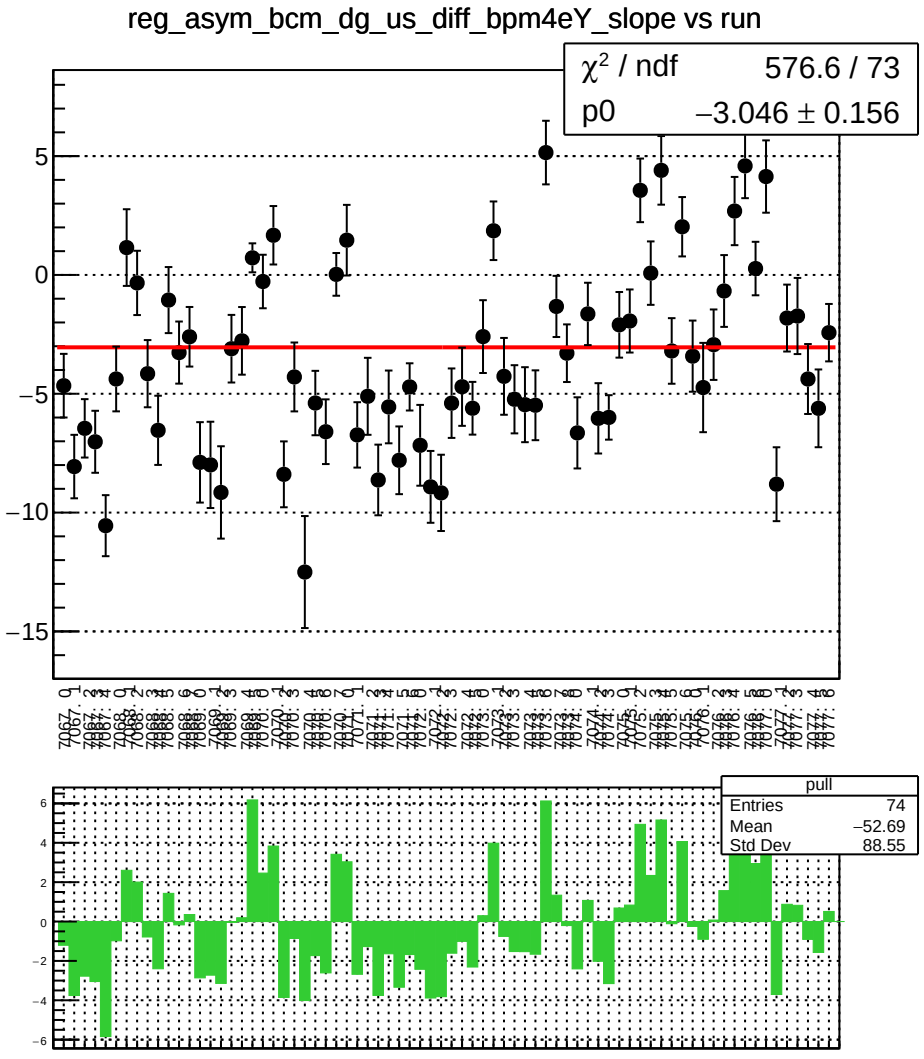

pull1D
Entries 74
Mean −0.2287
Std Dev 2.839

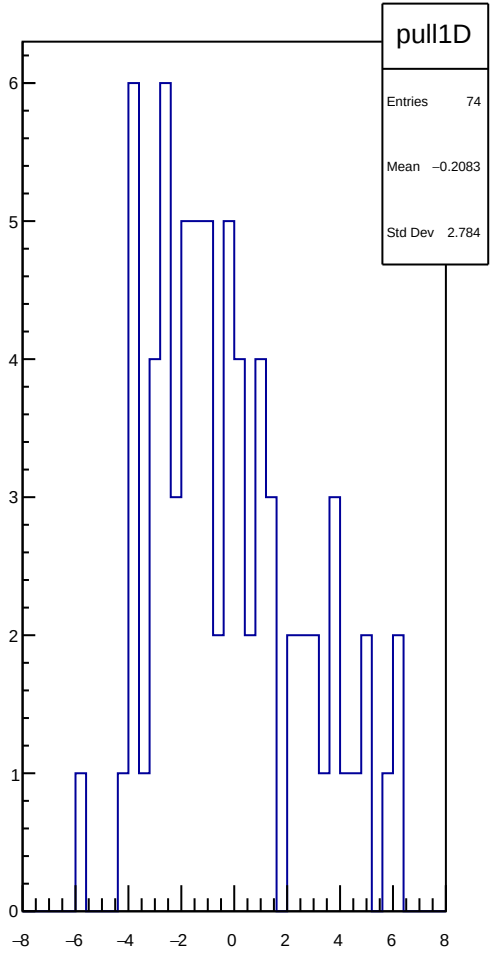

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 79.39 / 73
p0 0.08146 ± 0.007066
pull
Entries 74
Mean 65.61
Std Dev 53.43
pull1D
Entries 74
Mean −0.006441
Std Dev 1.036

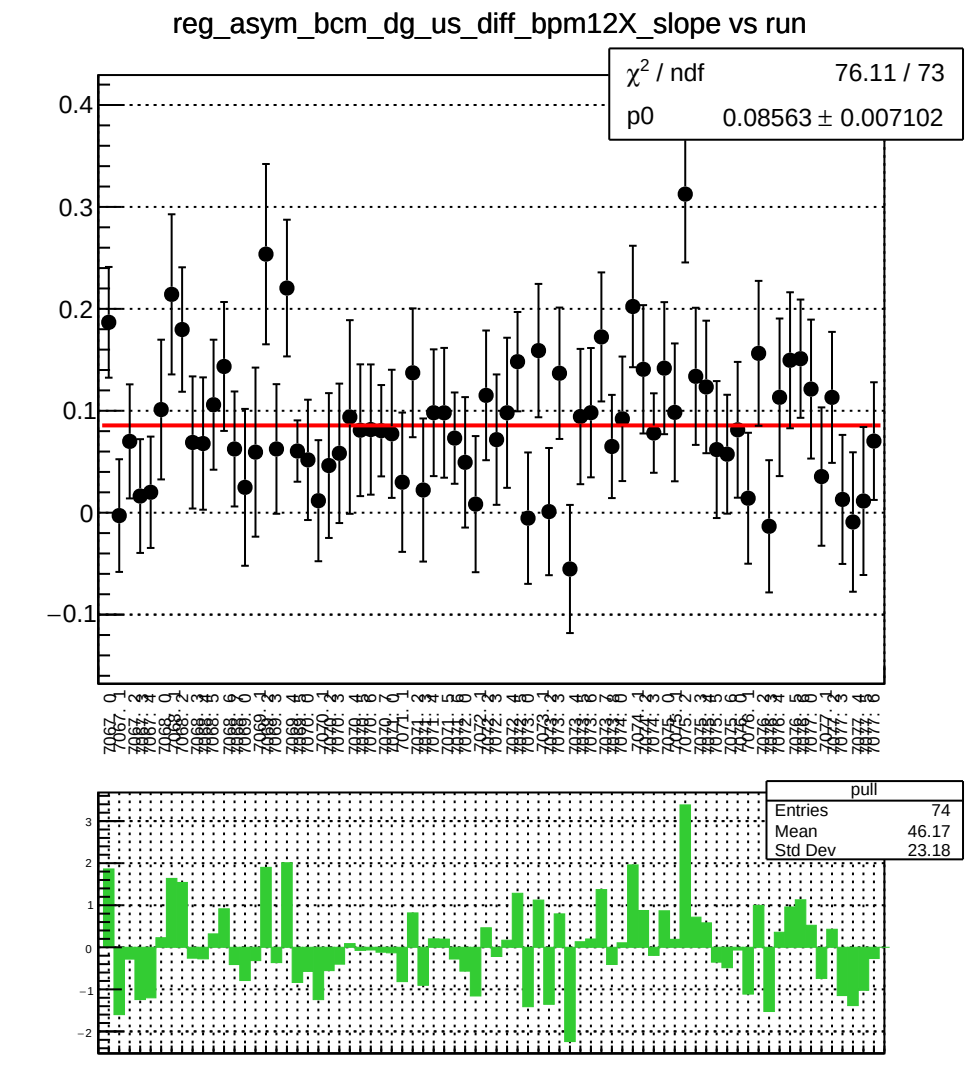

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1745 / 73
p0 −23.38 ± 0.1866
pull
Entries 74
Mean 26.88
Std Dev 16.45
pull1D
Entries 74
Mean −0.6148
Std Dev 3.213

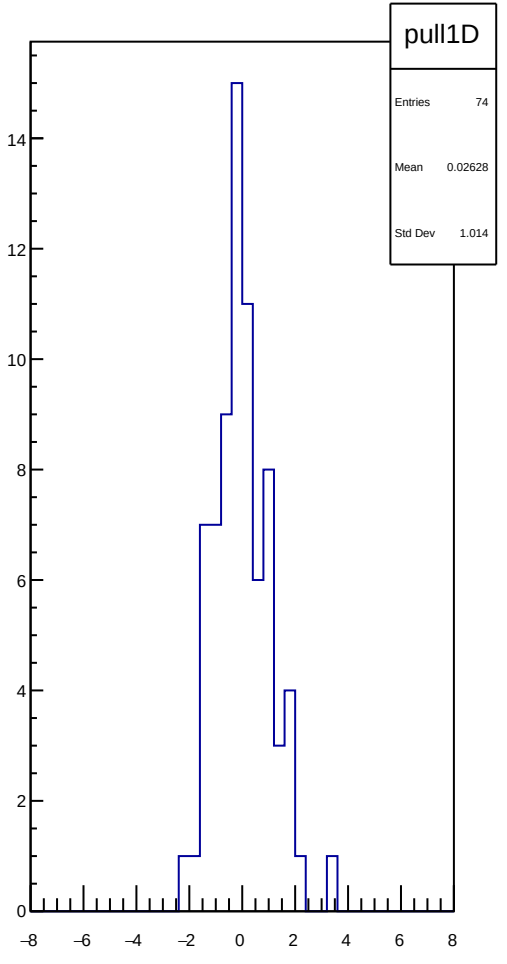

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 476.7 / 73
p0 1.331 ± 0.15
pull
Entries 74
Mean −65.01
Std Dev 100.9
pull1D
Entries 74
Mean 0.1443
Std Dev 2.534


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1731 / 73
p0 21.78 ± 0.1796
pull
Entries 74
Mean 25.25
Std Dev 15.24
pull1D
Entries 74
Mean 0.6356
Std Dev 3.205


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 576.6 / 73
p0 −3.046 ± 0.156
pull
Entries 74
Mean −52.69
Std Dev 88.55


pull1D
Entries 74
Mean −0.2083
Std Dev 2.784


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 76.11 / 73
p0 0.08563 ± 0.007102
pull
Entries 74
Mean 46.17
Std Dev 23.18


pull1D
Entries 74
Mean 0.02628
Std Dev 1.014