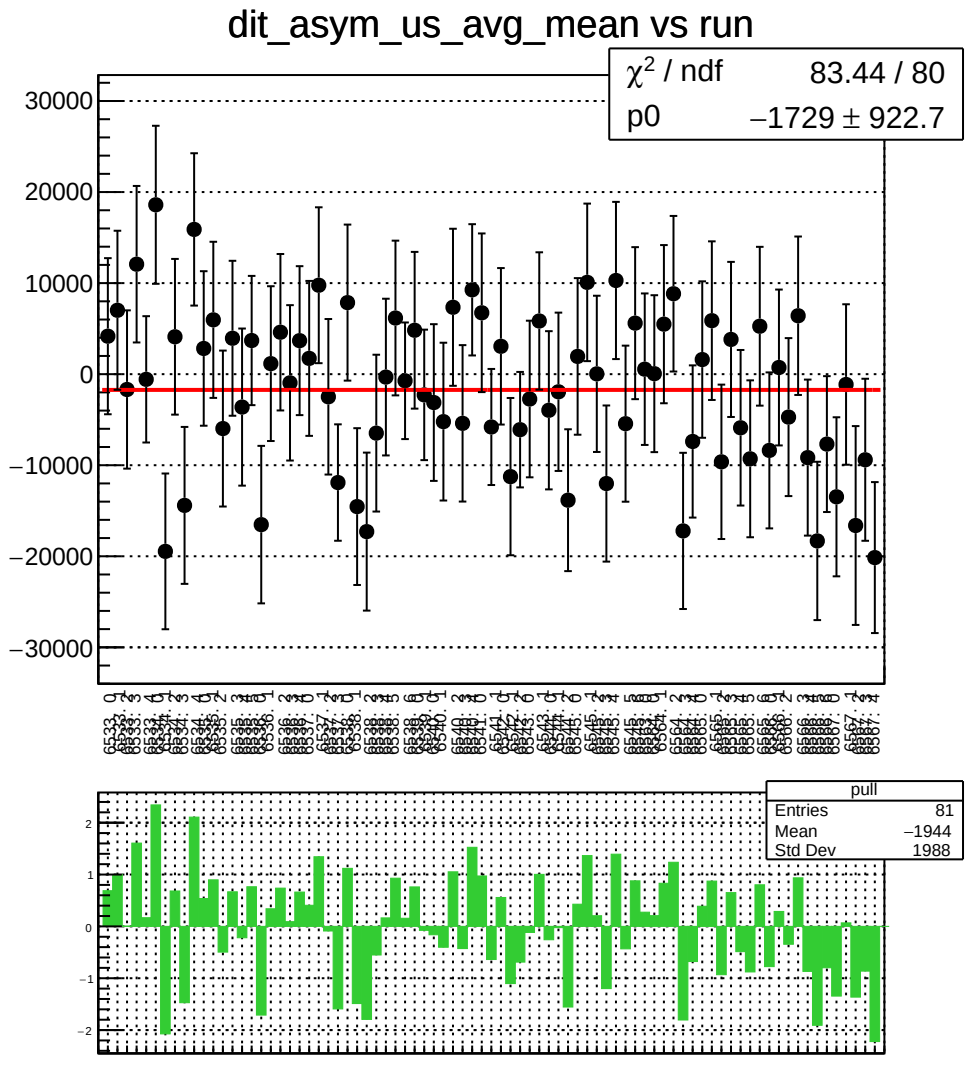
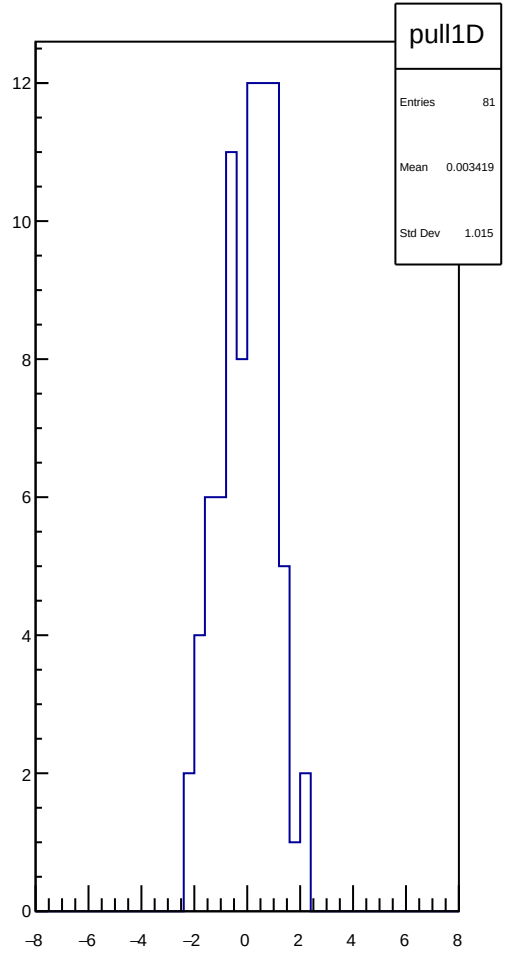
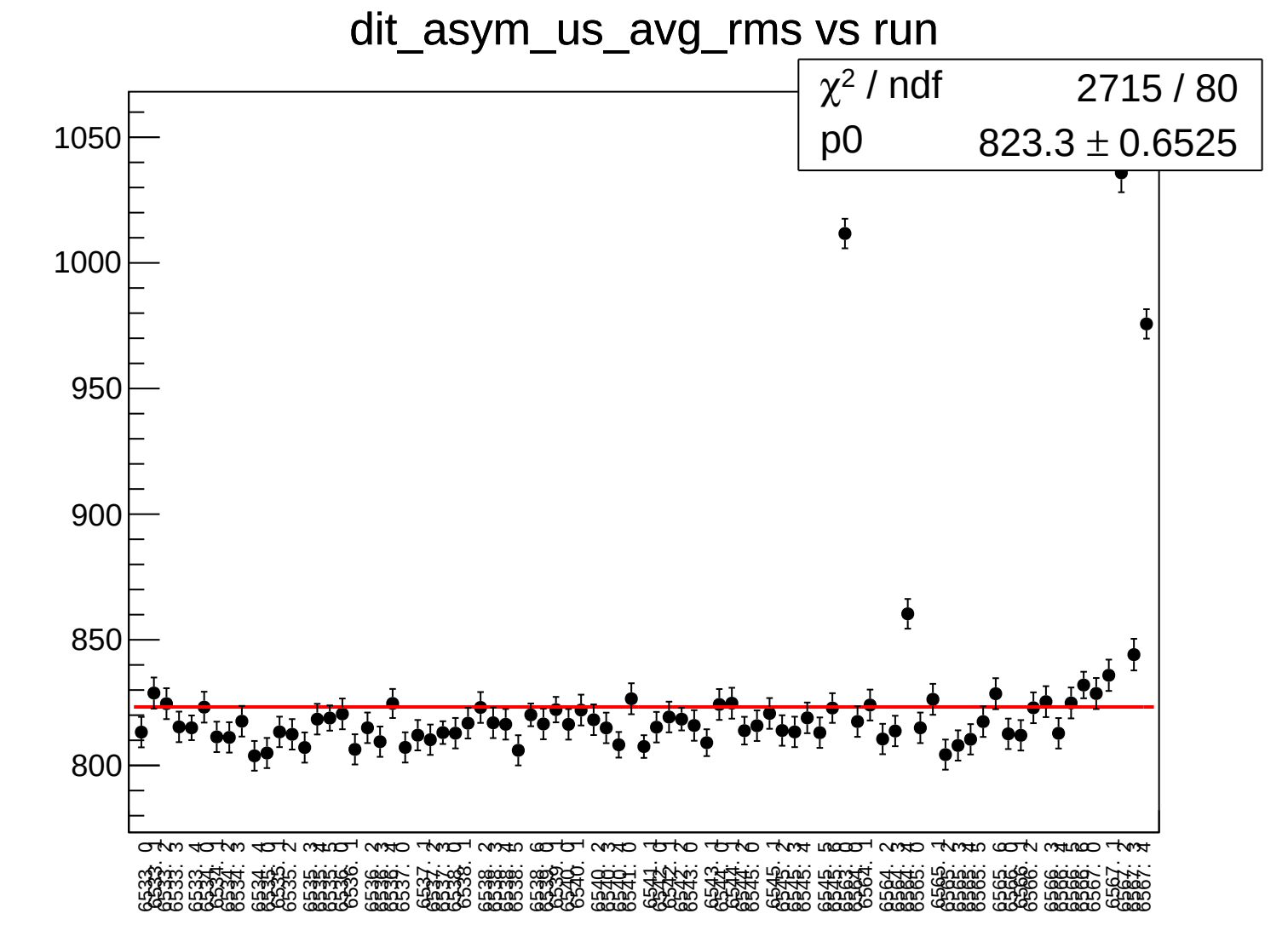
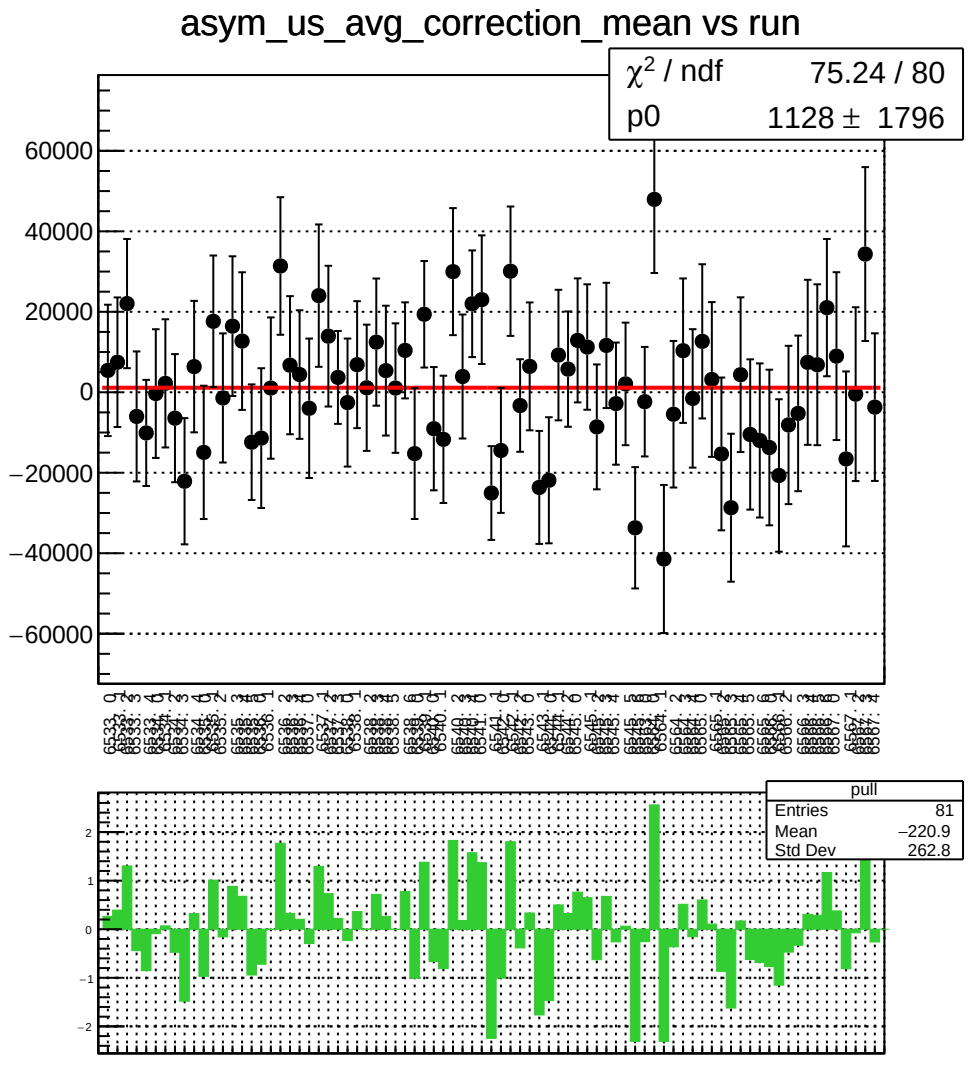
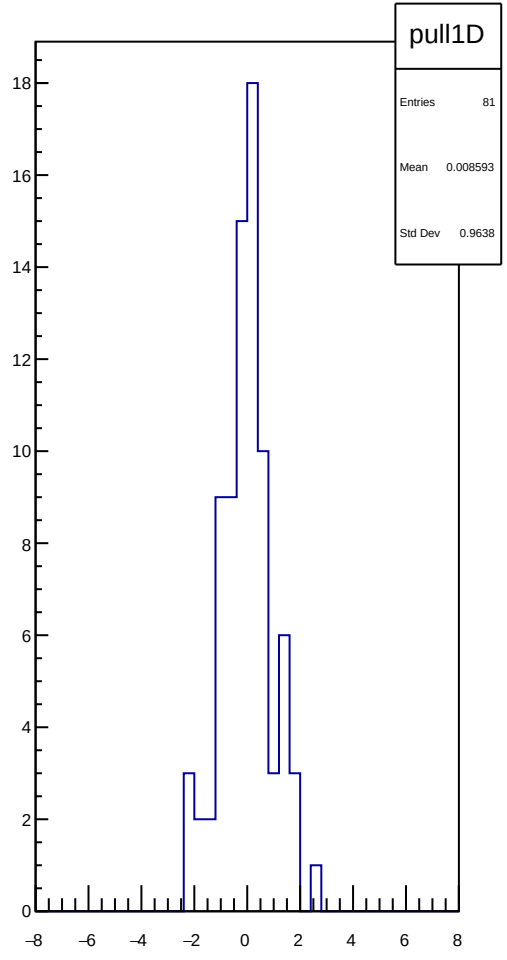
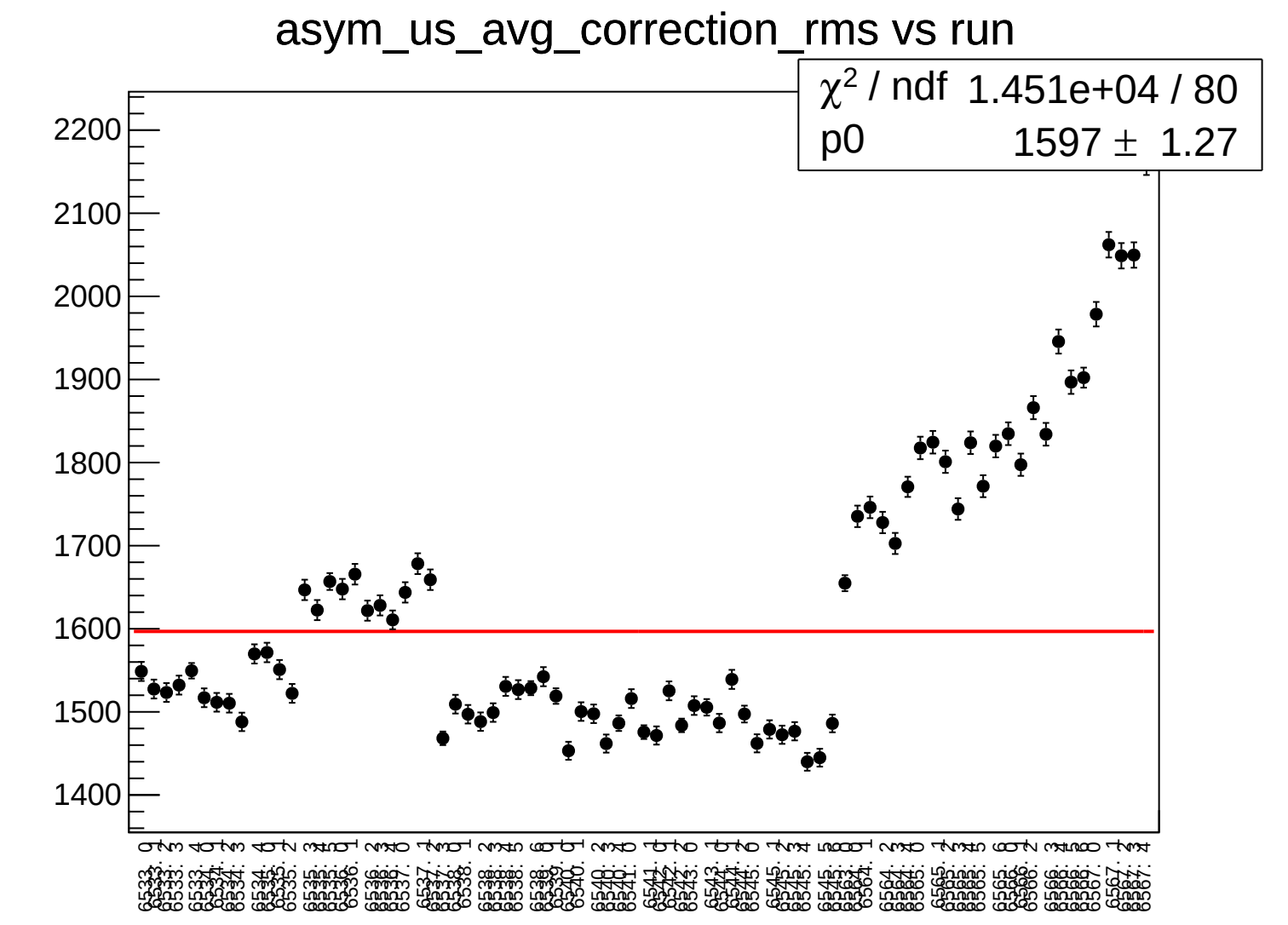

dit_asym_us_avg_mean vs run
χ² / ndf 83.44 / 80
p0 −1729 ± 922.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −1944
Std Dev 1988
2
1
0
−1
−2

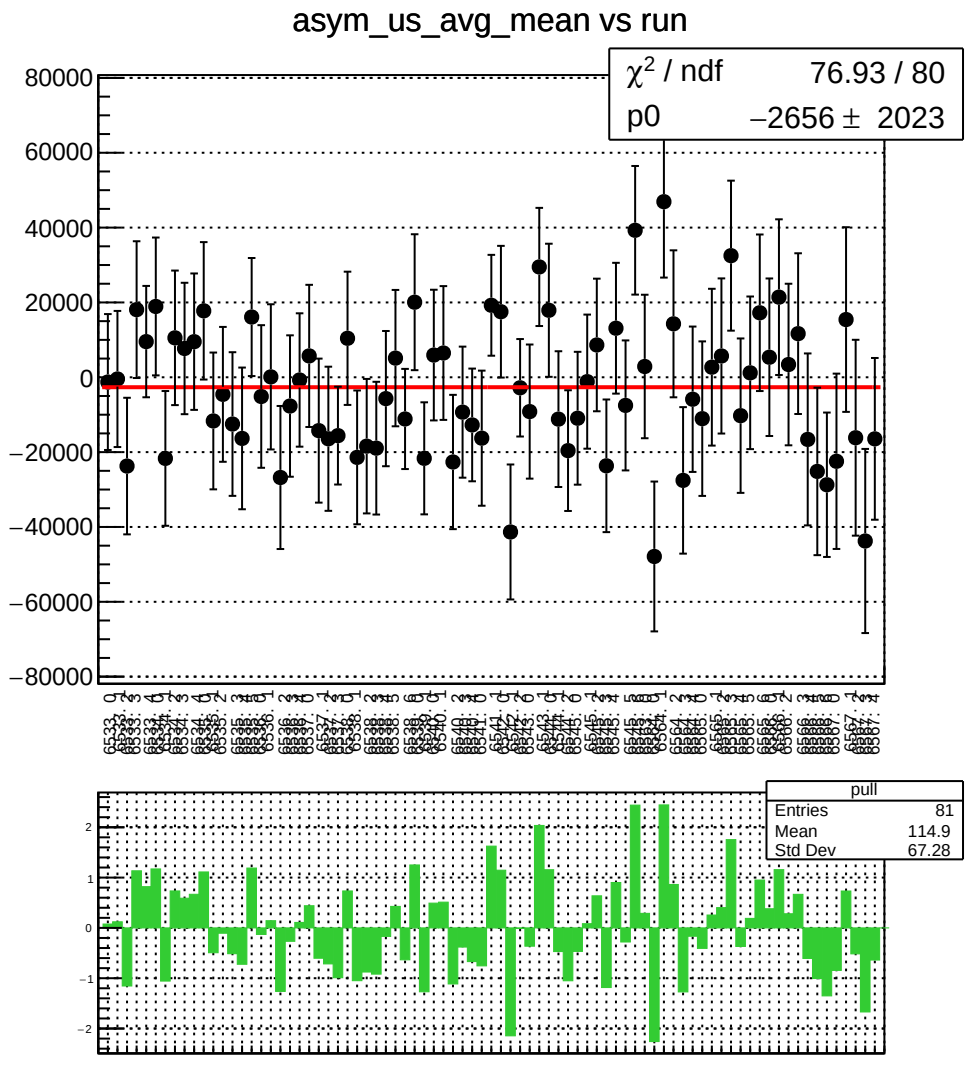

pull1D
Entries 81
Mean 0.003419
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

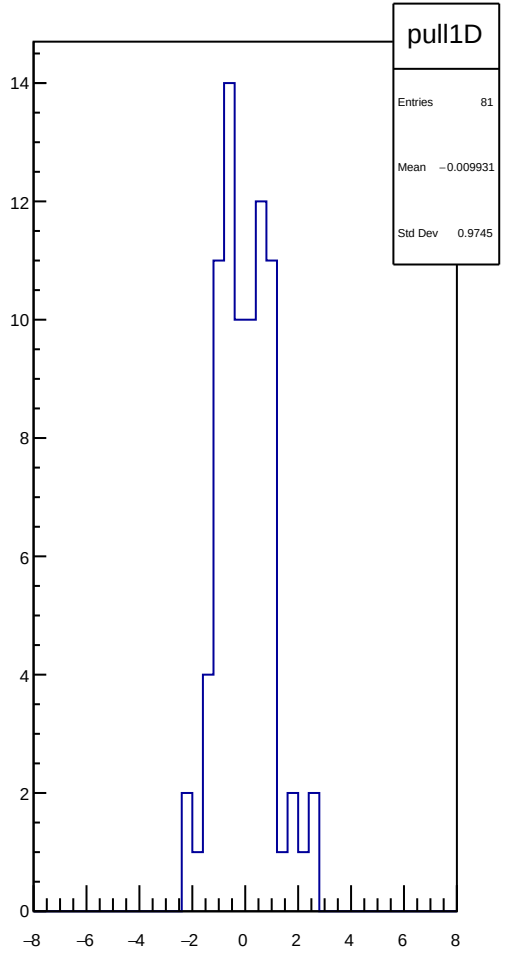

dit_asym_us_avg_rms vs run
χ² / ndf 2715 / 80
p0 823.3 ± 0.6525
1050
1000
950
900
850
800

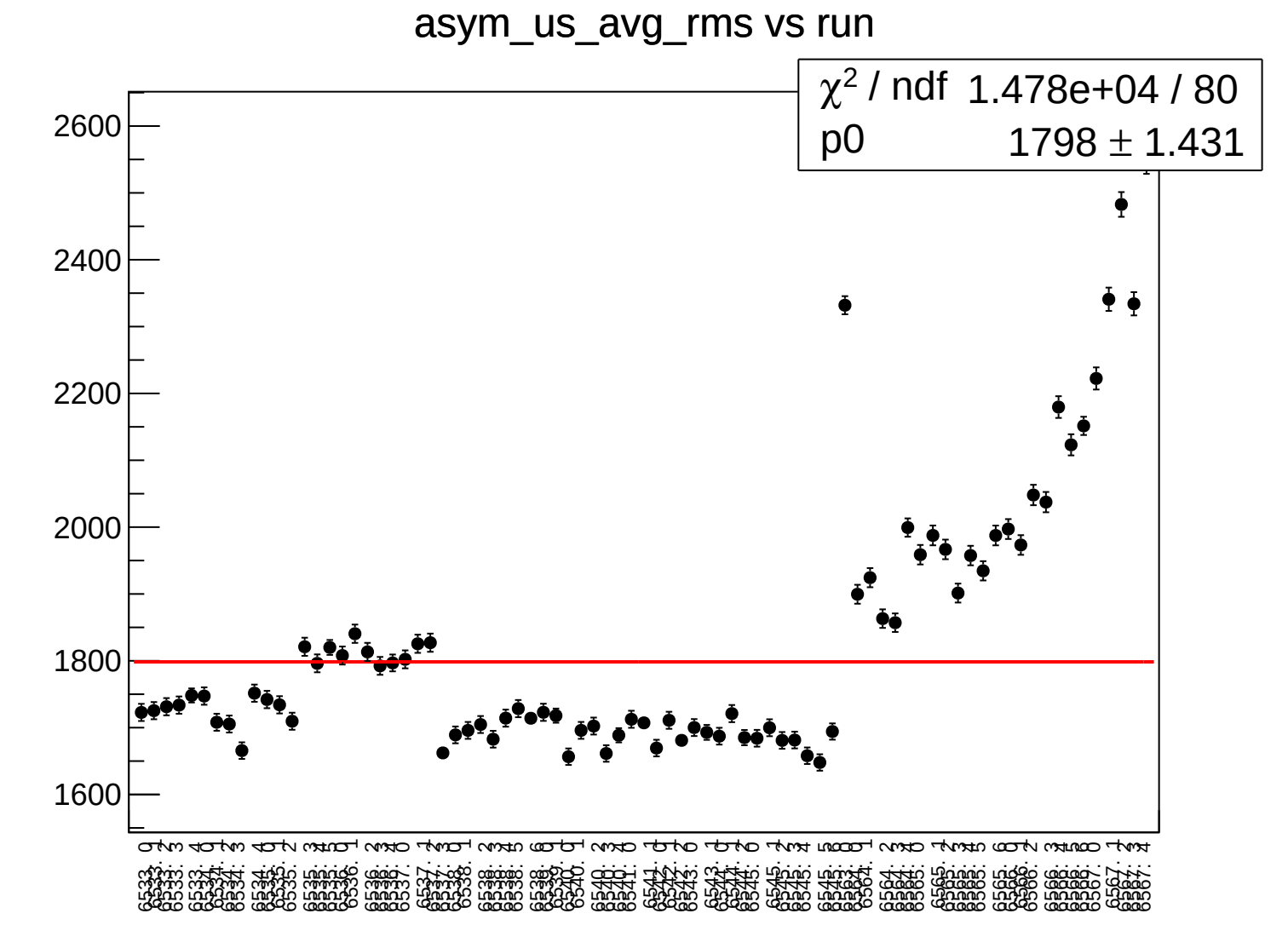

asym_us_avg_correction_mean vs run
χ² / ndf 75.24 / 80
p0 1128 ± 1796
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −220.9
Std Dev 262.8
2
1
0
−1
−2

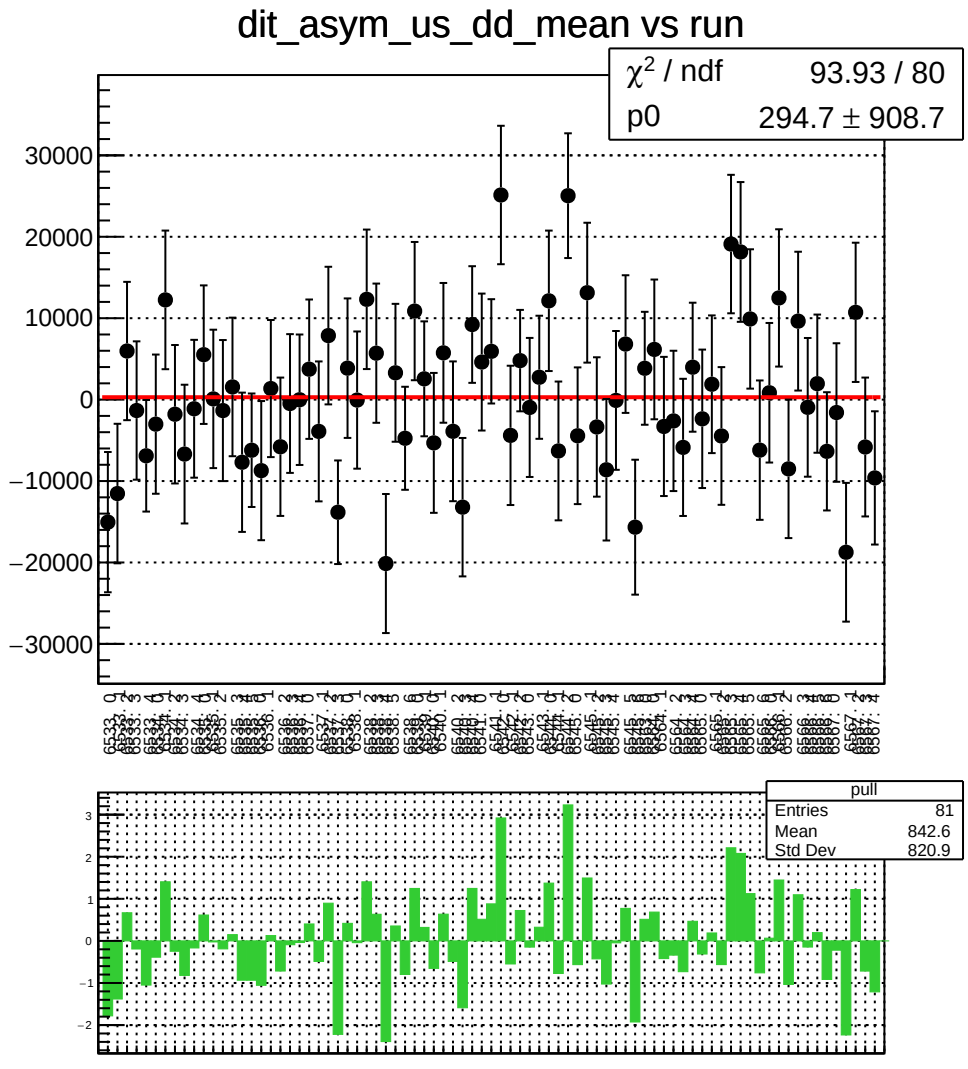

pull1D
Entries 81
Mean 0.008593
Std Dev 0.9638
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

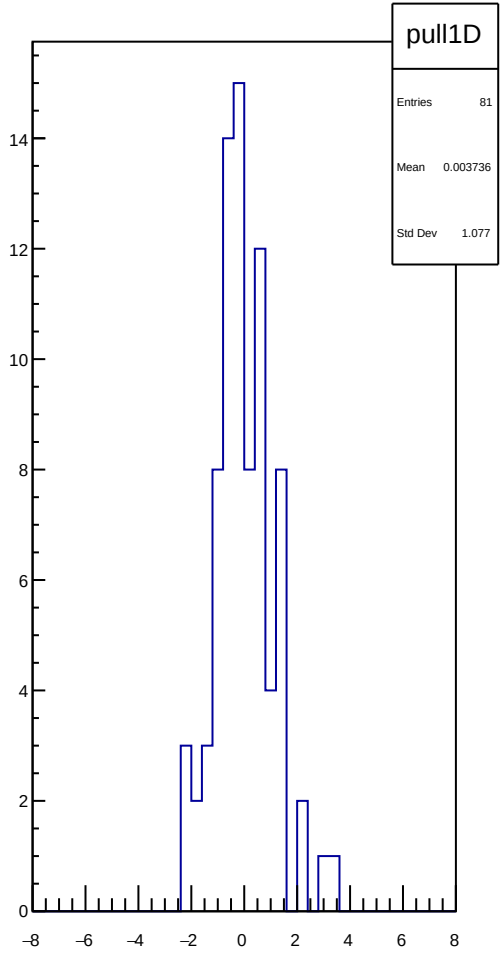

asym_us_avg_correction_rms vs run
χ² / ndf 1.451e+04 / 80
p0 1597 ± 1.27
2200
2100
2000
1900
1800
1700
1600
1500
1400

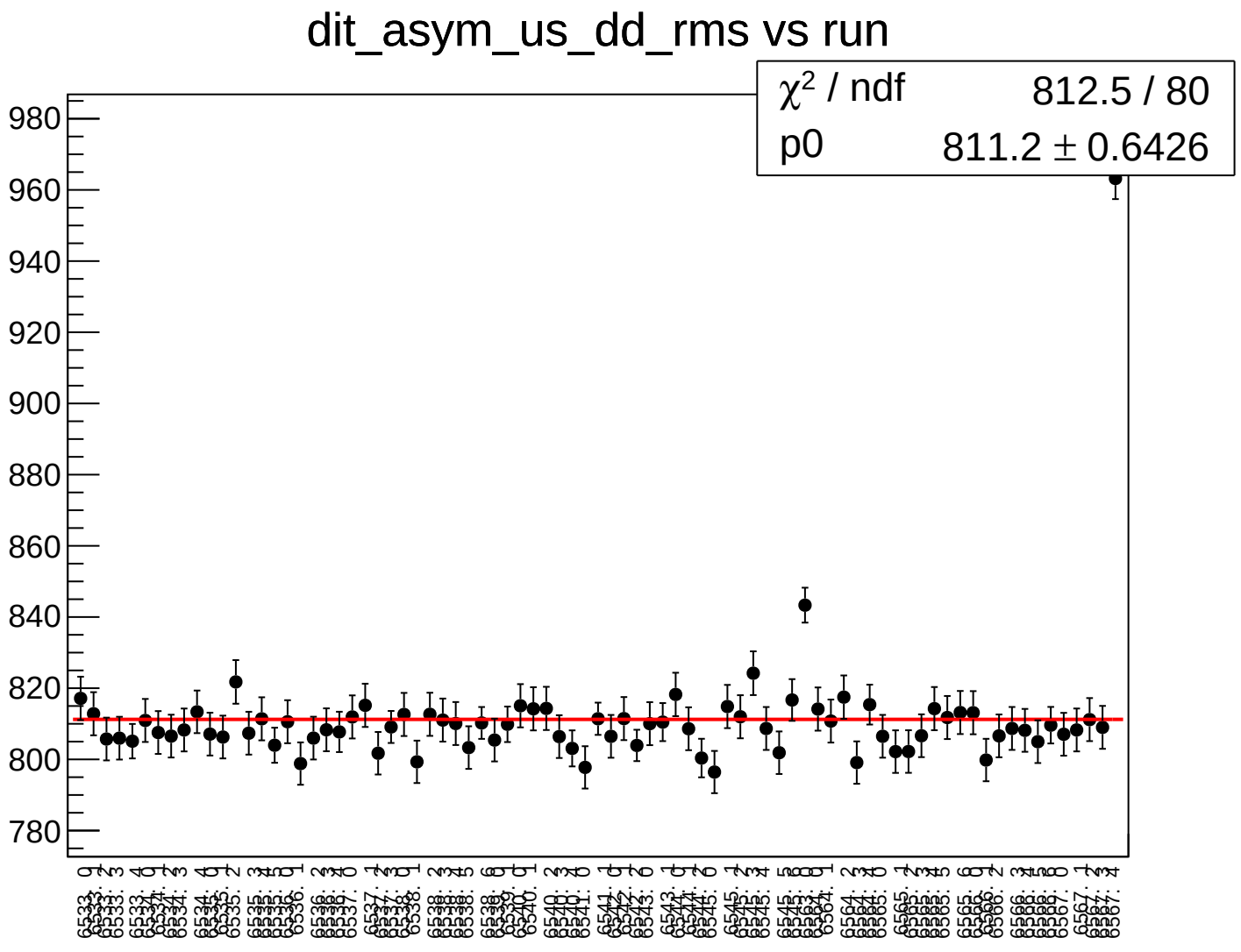

asym_us_avg_mean vs run
χ² / ndf 76.93 / 80
p0 −2656 ± 2023
pull
Entries 81
Mean 114.9
Std Dev 67.28

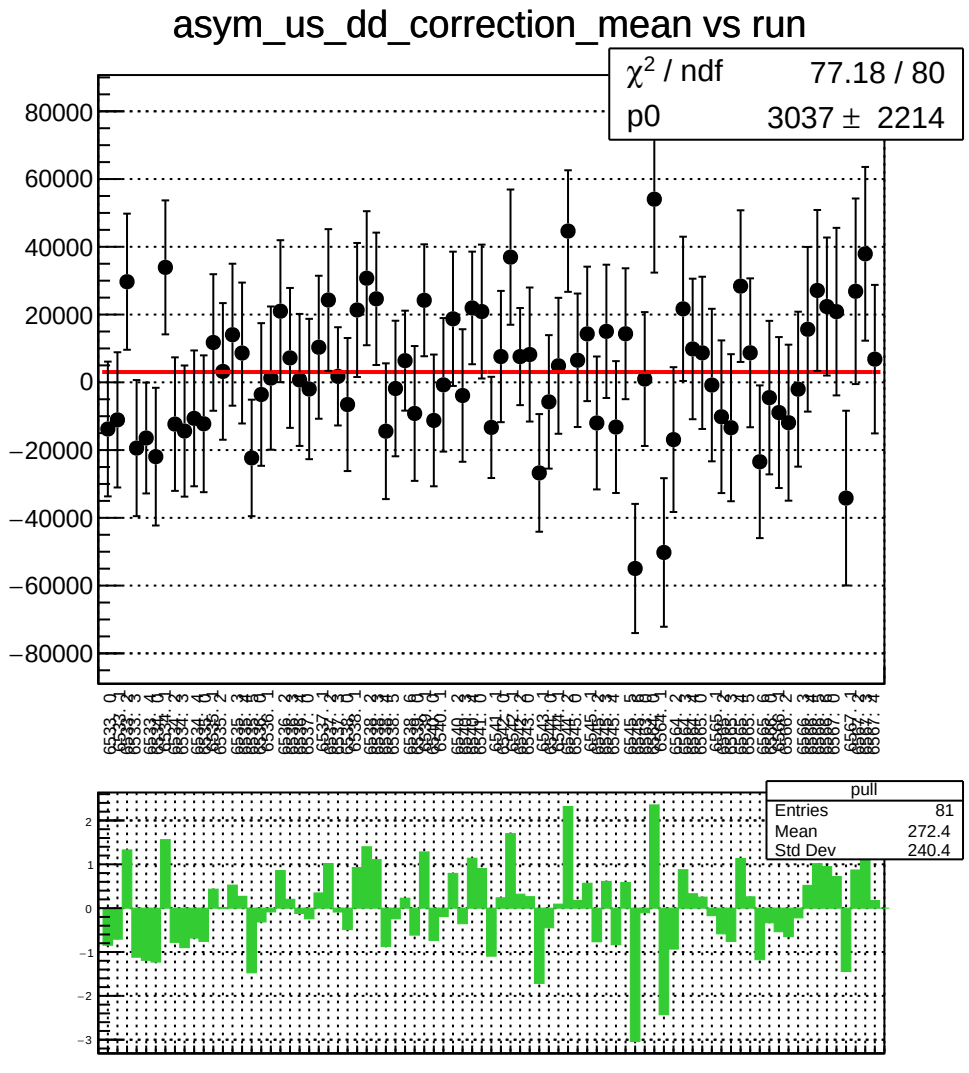

pull1D
Entries 81
Mean −0.009931
Std Dev 0.9745

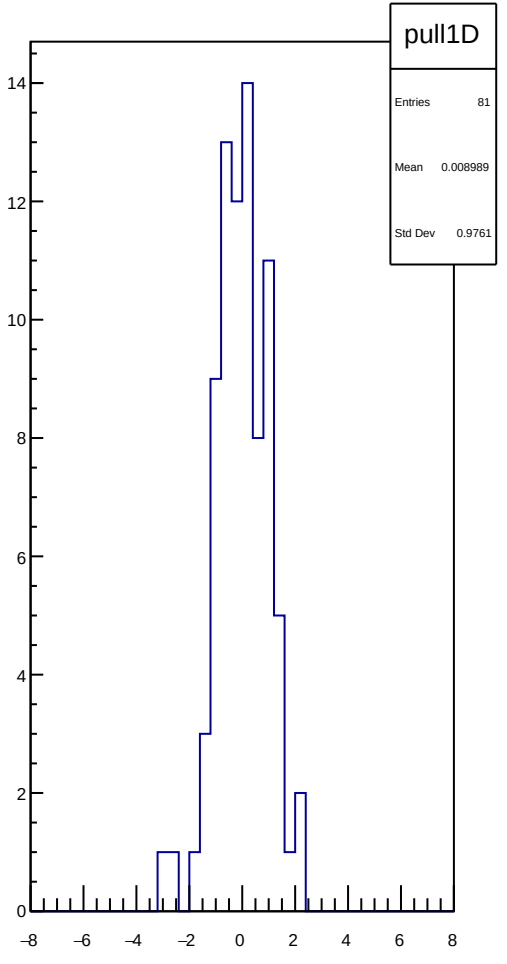

asym_us_avg_rms vs run
χ² / ndf 1.478e+04 / 80
p0 1798 ± 1.431
2600
2400
2200
2000
1800
1600

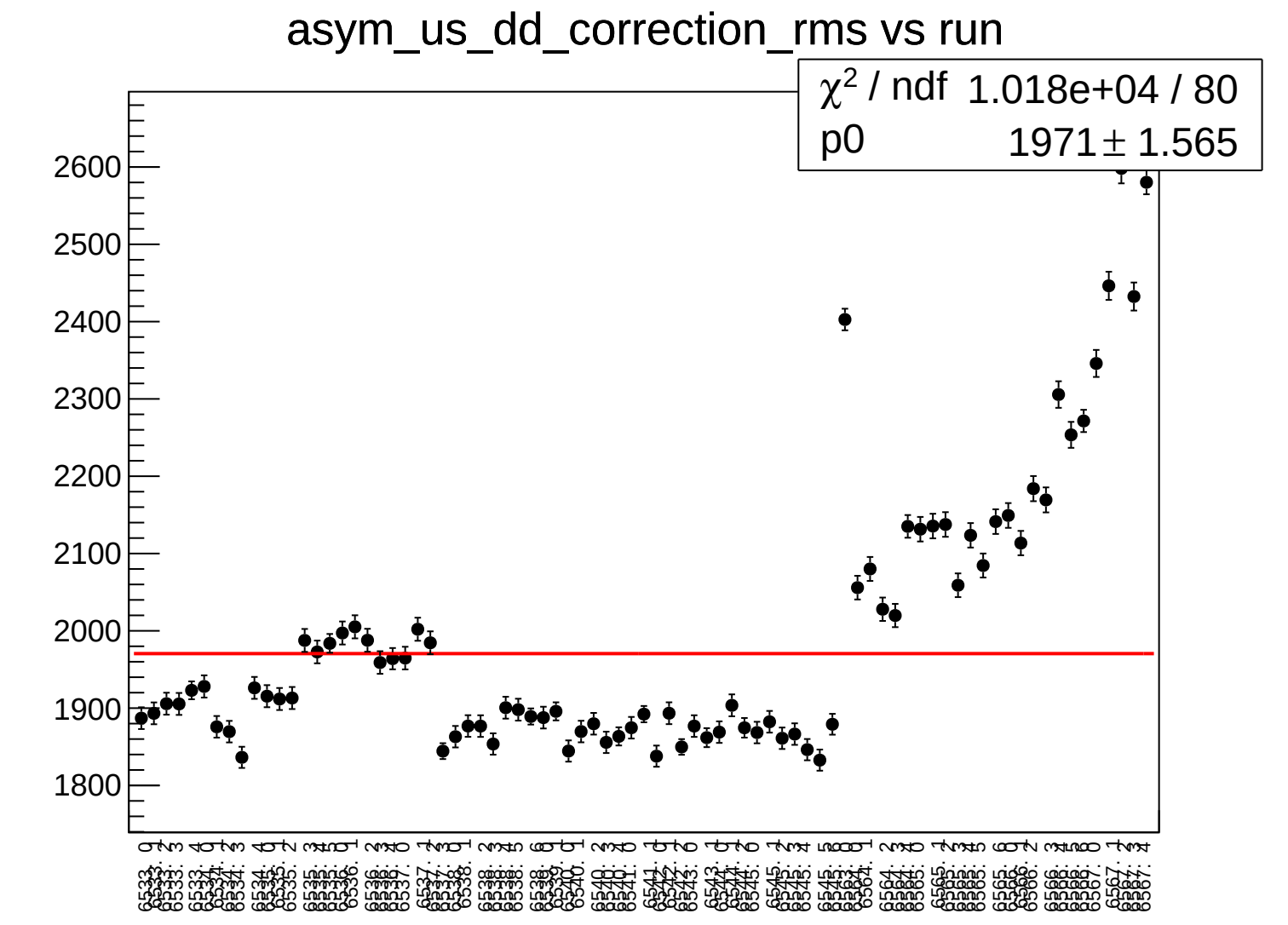

dit_asym_us_dd_mean vs run
χ² / ndf 93.93 / 80
p0 294.7 ± 908.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 842.6
Std Dev 820.9
3
2
1
0
−1
−2

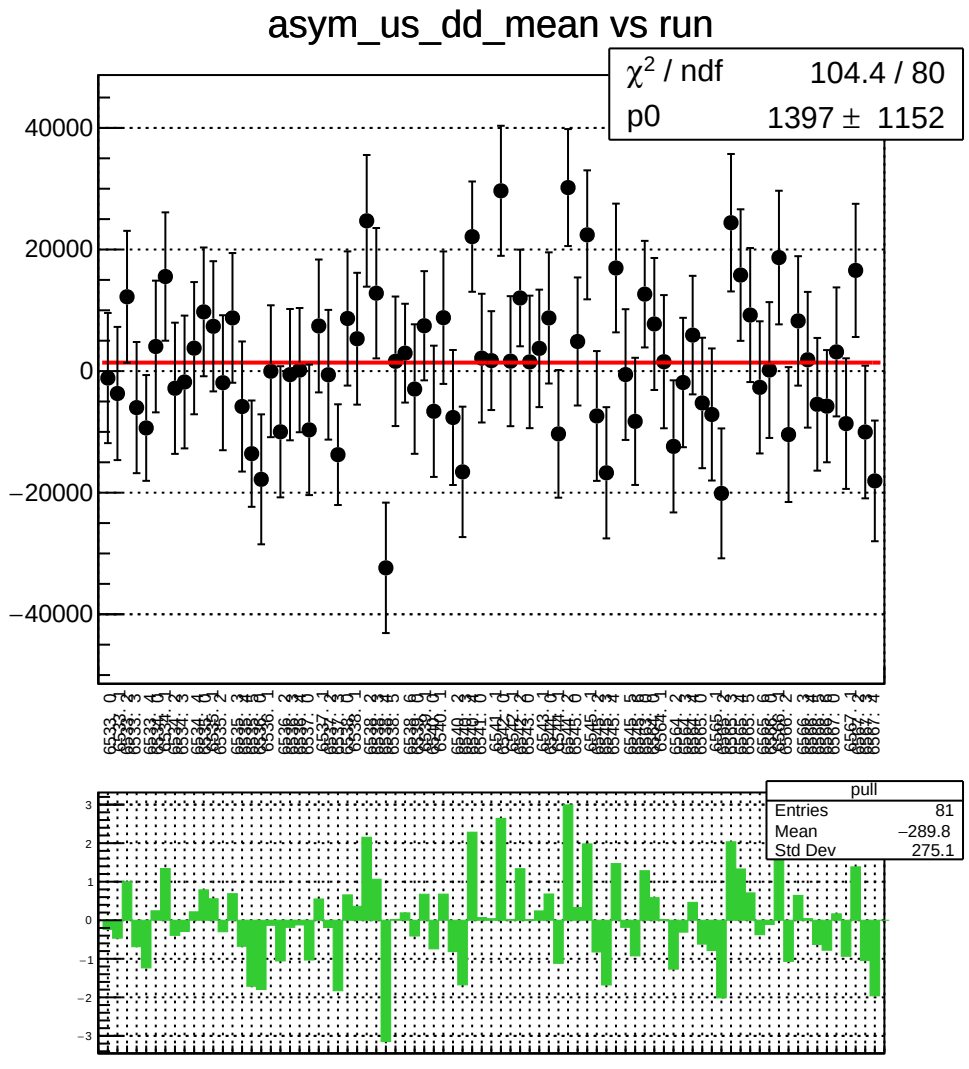

pull1D
Entries 81
Mean 0.003736
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

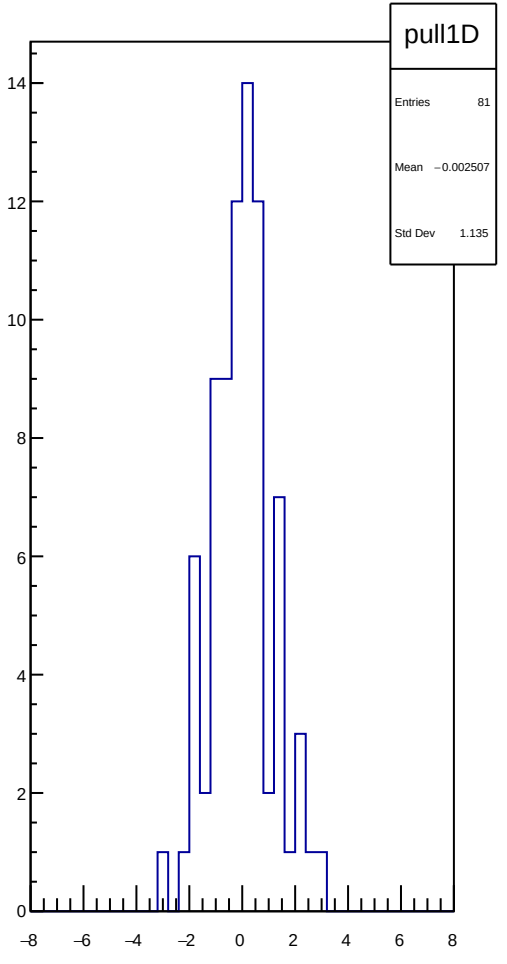

dit_asym_us_dd_rms vs run
χ² / ndf 812.5 / 80
p0 811.2 ± 0.6426
980
960
940
920
900
880
860
840
820
800
780

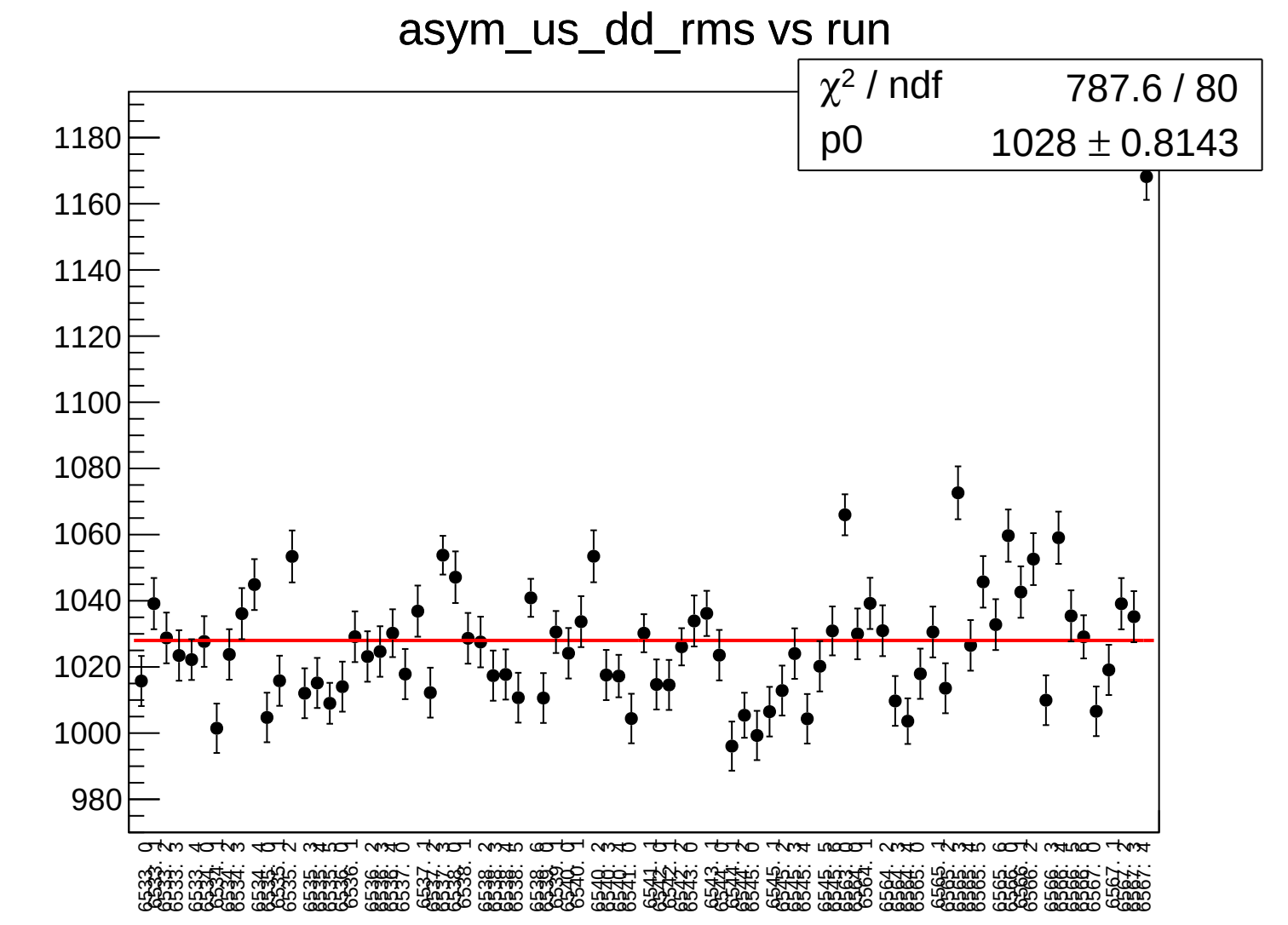

asym_us_dd_correction_mean vs run
χ² / ndf 77.18 / 80
p0 3037 ± 2214
pull
Entries 81
Mean 272.4
Std Dev 240.4

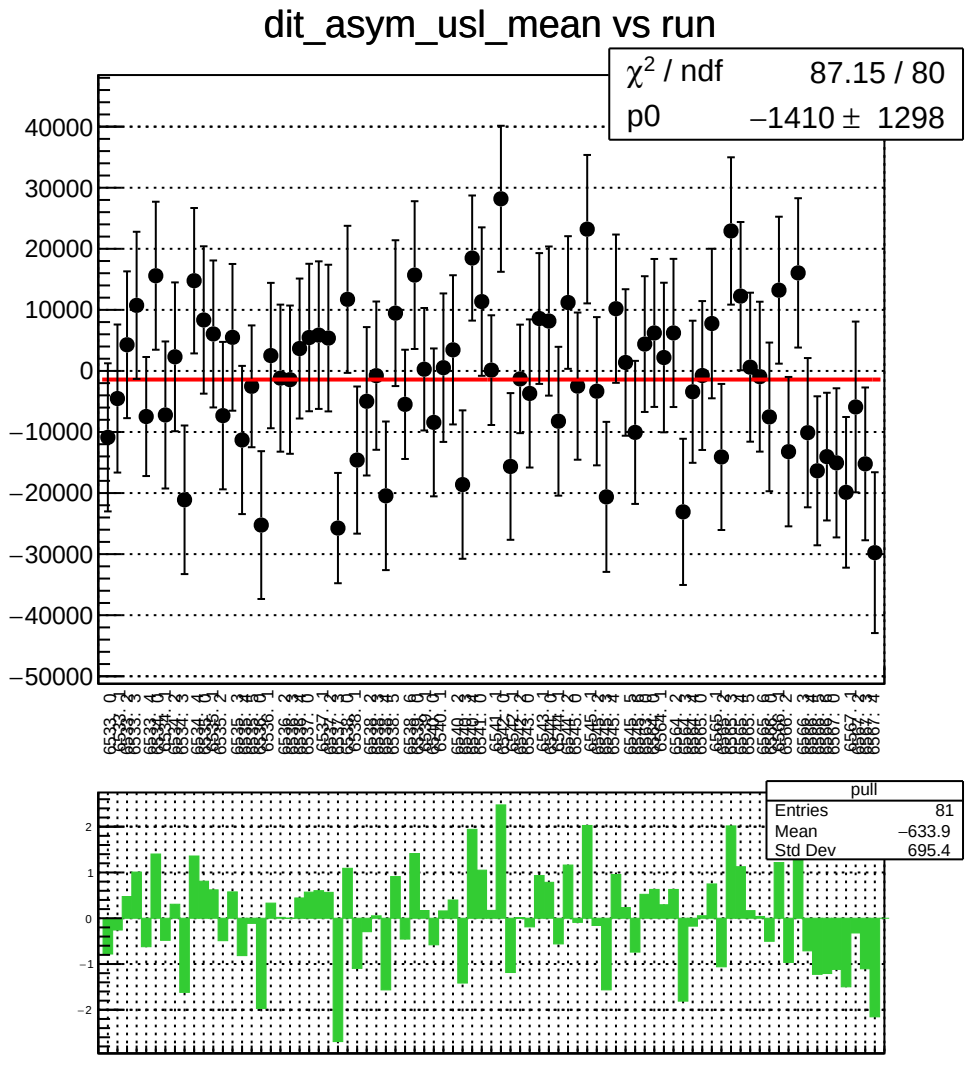

pull1D
Entries 81
Mean 0.008989
Std Dev 0.9761

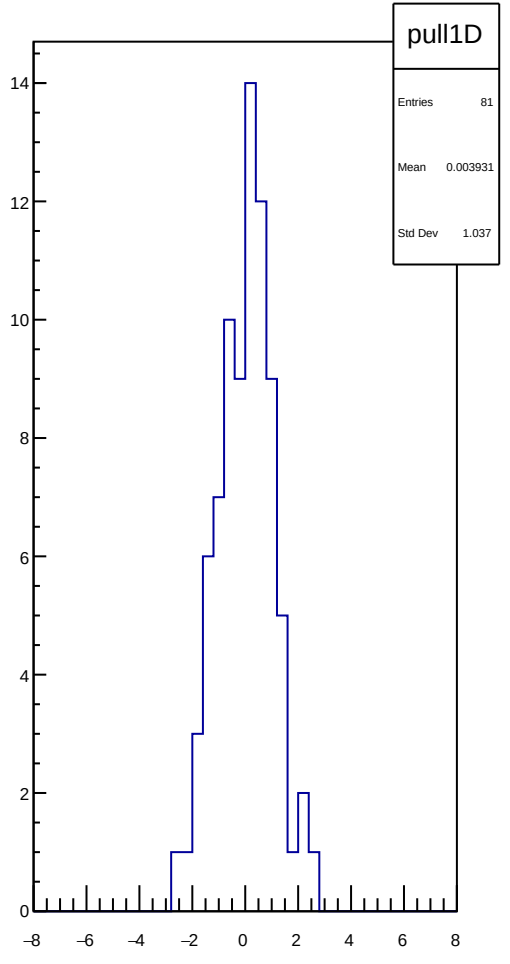

asym_us_dd_correction_rms vs run
χ² / ndf 1.018e+04 / 80
p0 1971 ± 1.565
2600
2500
2400
2300
2200
2100
2000
1900
1800

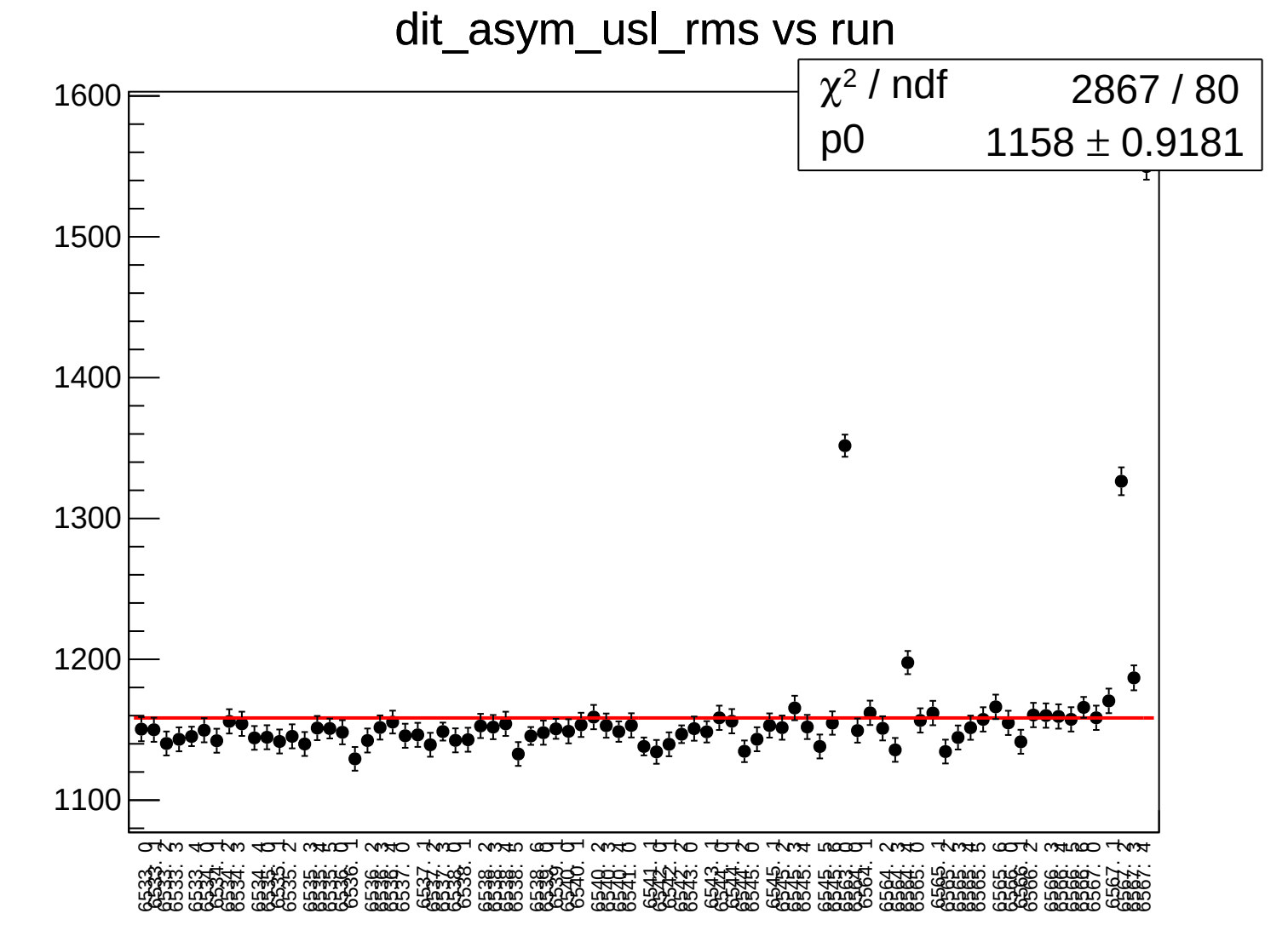

asym_us_dd_mean vs run
χ² / ndf 104.4 / 80
p0 1397 ± 1152
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −289.8
Std Dev 275.1
3
2
1
0
−1
−2
−3

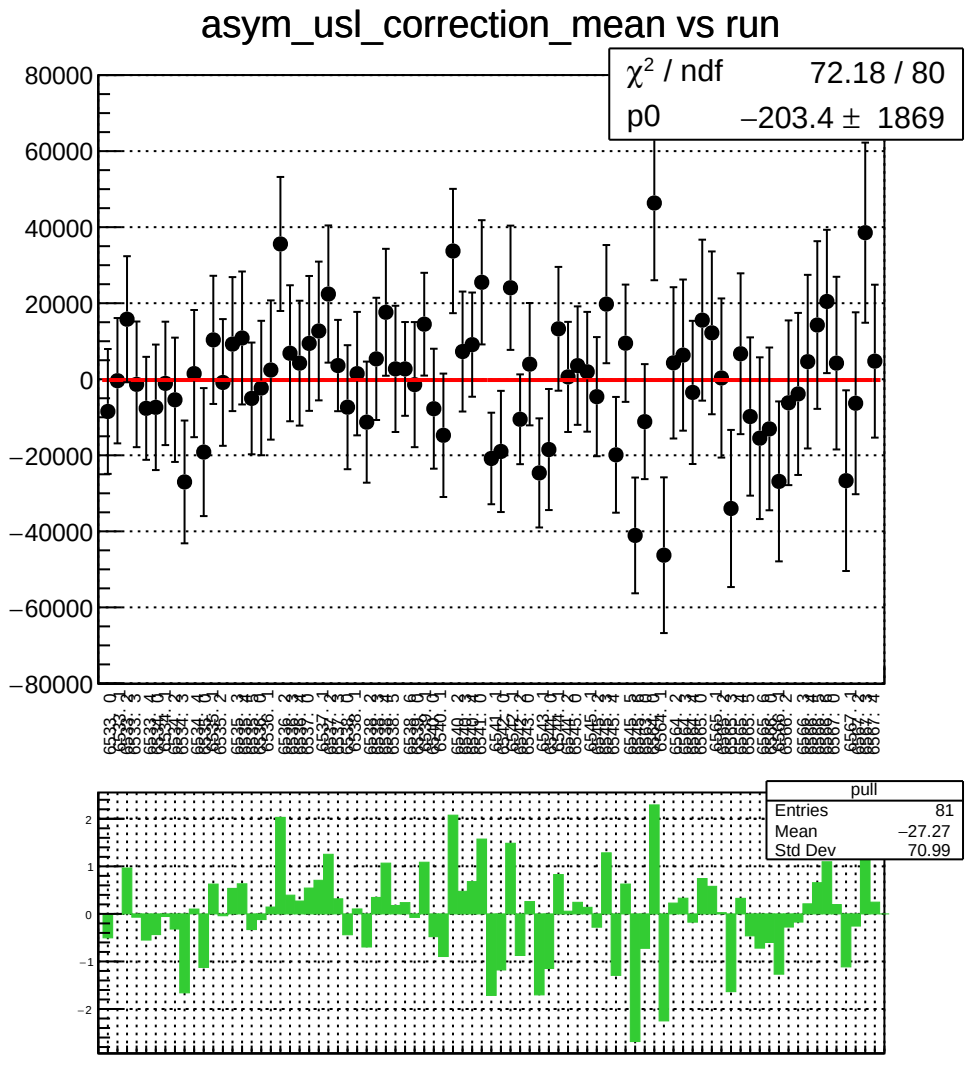

pull1D
Entries 81
Mean −0.002507
Std Dev 1.135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

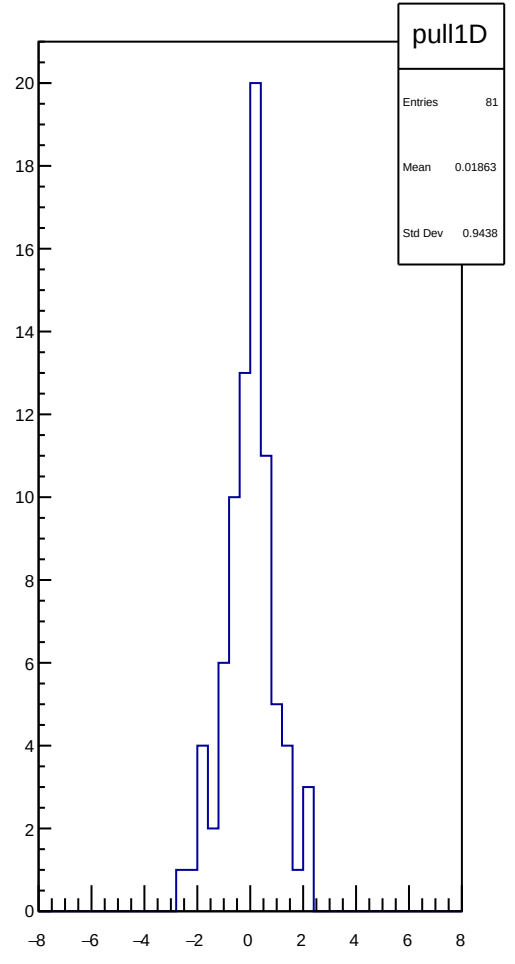

asym_us_dd_rms vs run
χ^2 / ndf 787.6 / 80
p0 1028 ± 0.8143
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

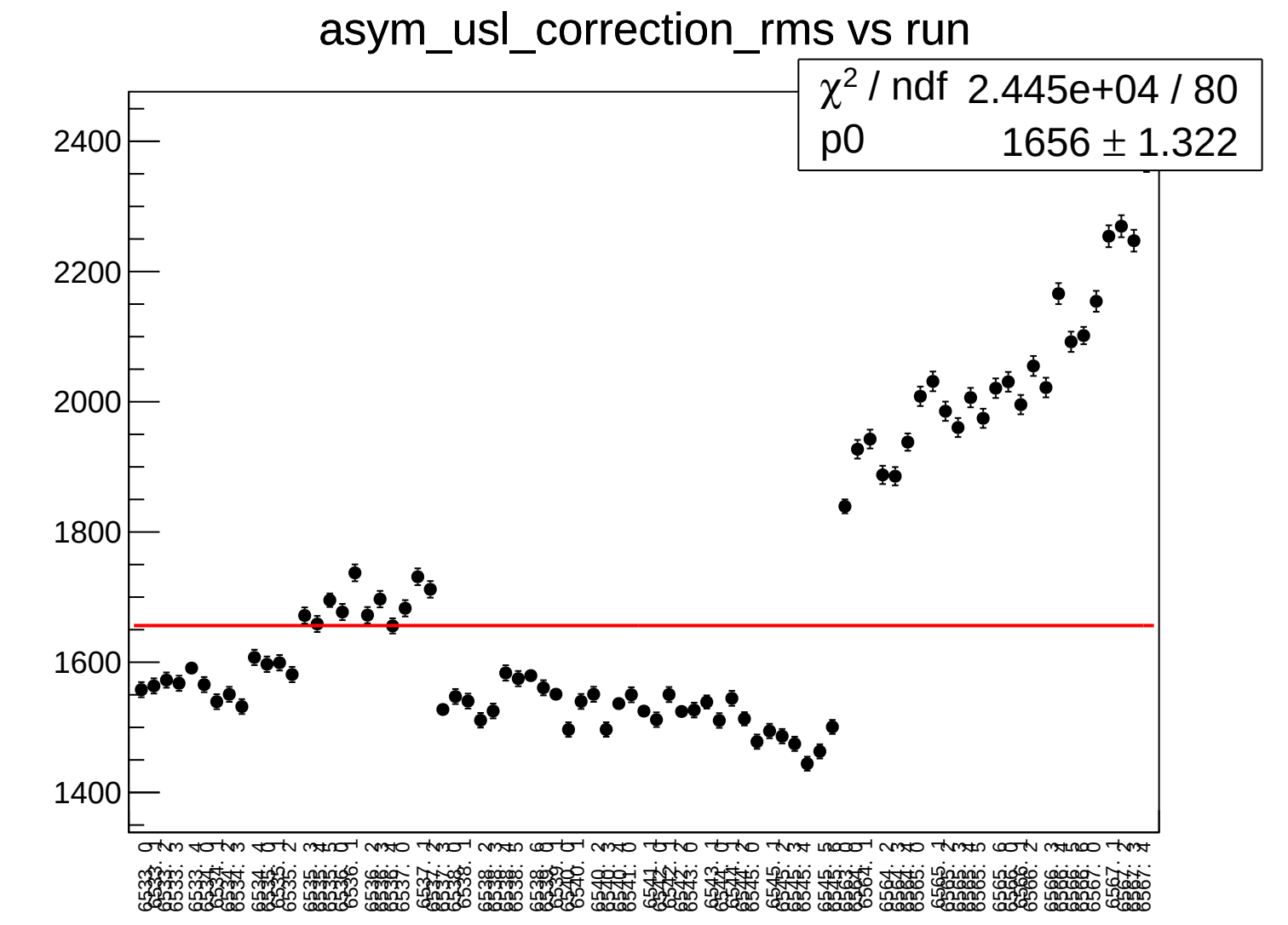

dit_asym_usl_mean vs run
χ² / ndf 87.15 / 80
p0 −1410 ± 1298
pull
Entries 81
Mean −633.9
Std Dev 695.4

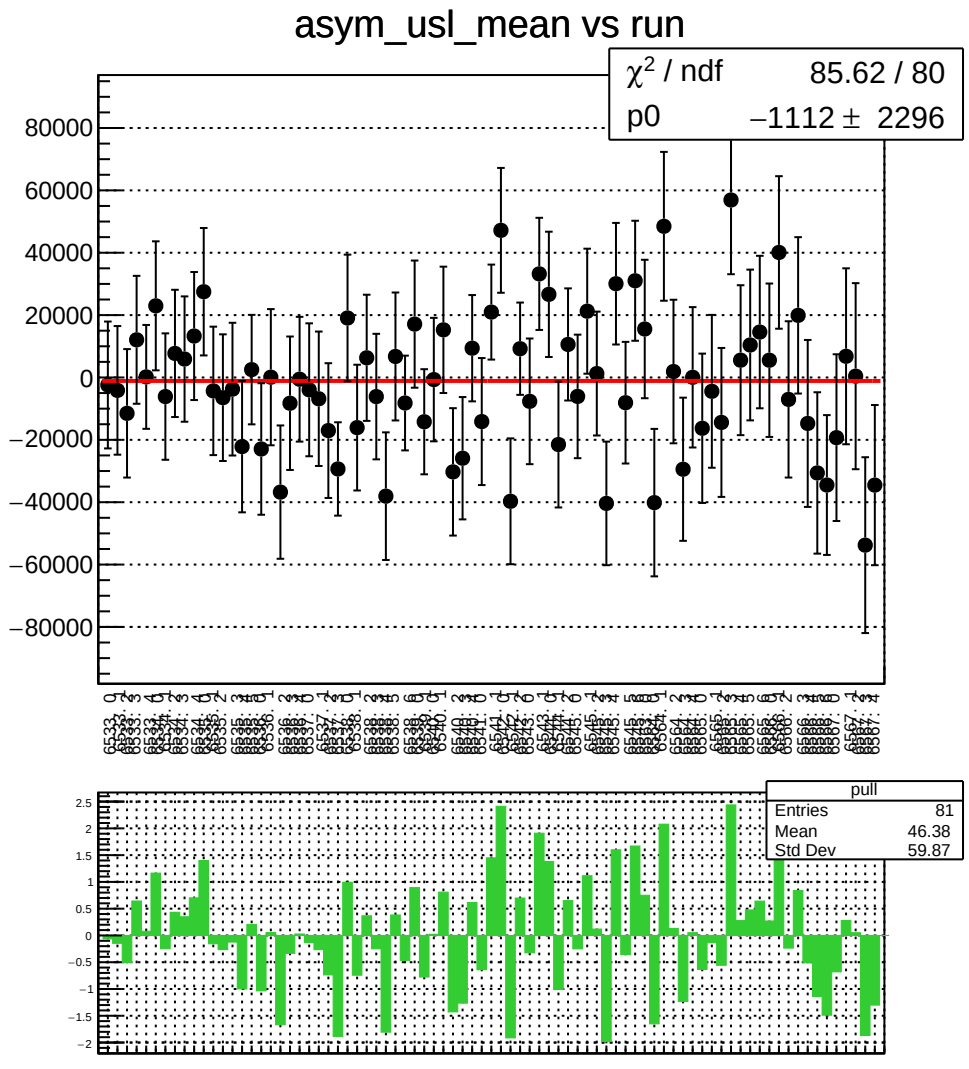

pull1D
Entries 81
Mean 0.003931
Std Dev 1.037

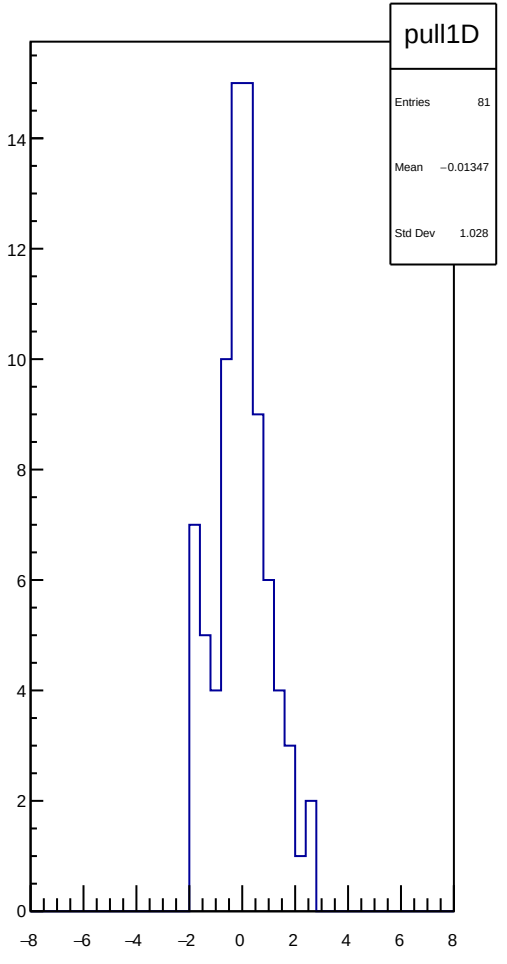

dit_asym_usl_rms vs run
χ² / ndf 2867 / 80
p0 1158 ± 0.9181
1600
1500
1400
1300
1200
1100

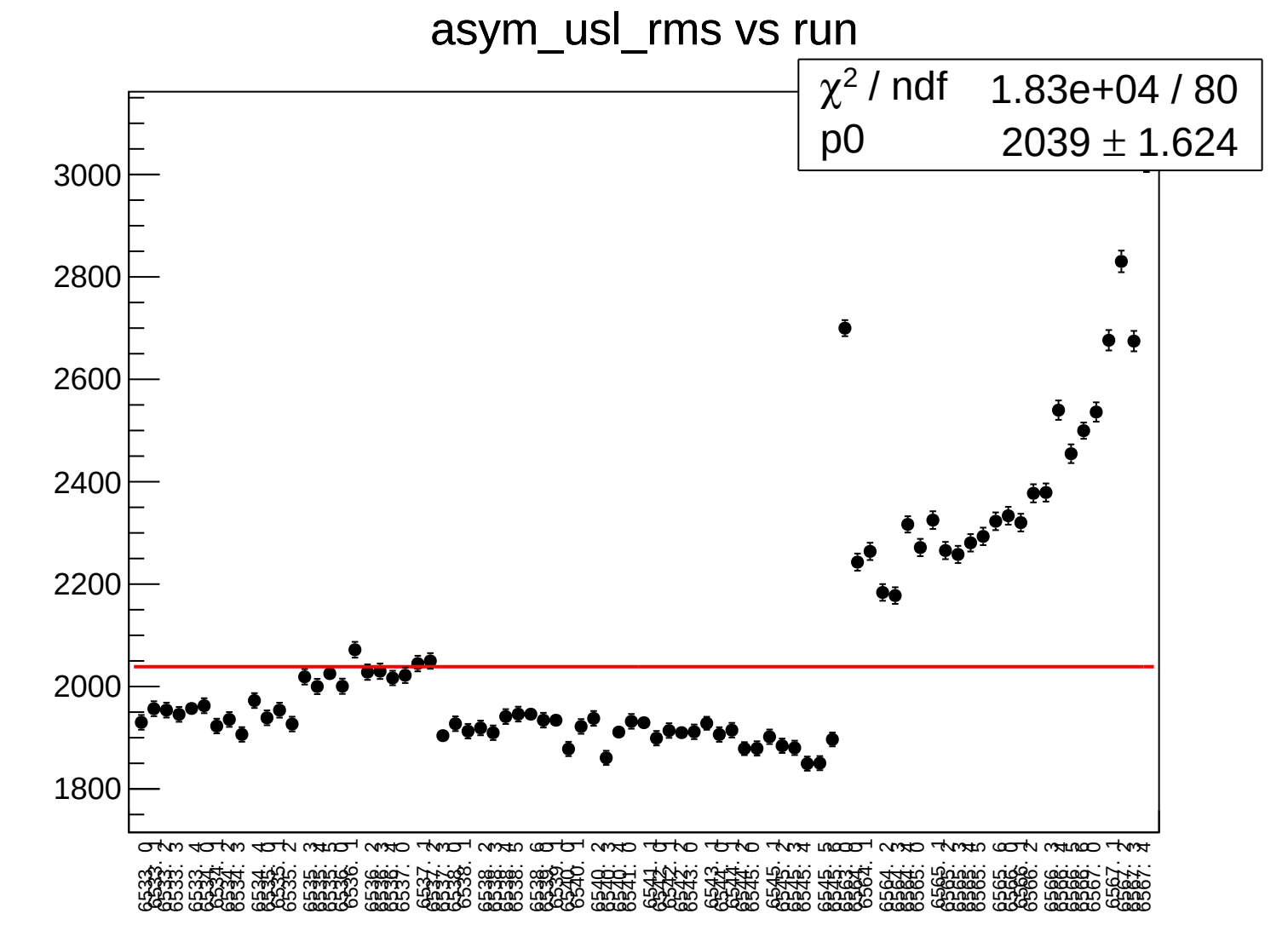

asym_usl_correction_mean vs run
χ² / ndf 72.18 / 80
p0 −203.4 ± 1869
pull
Entries 81
Mean −27.27
Std Dev 70.99

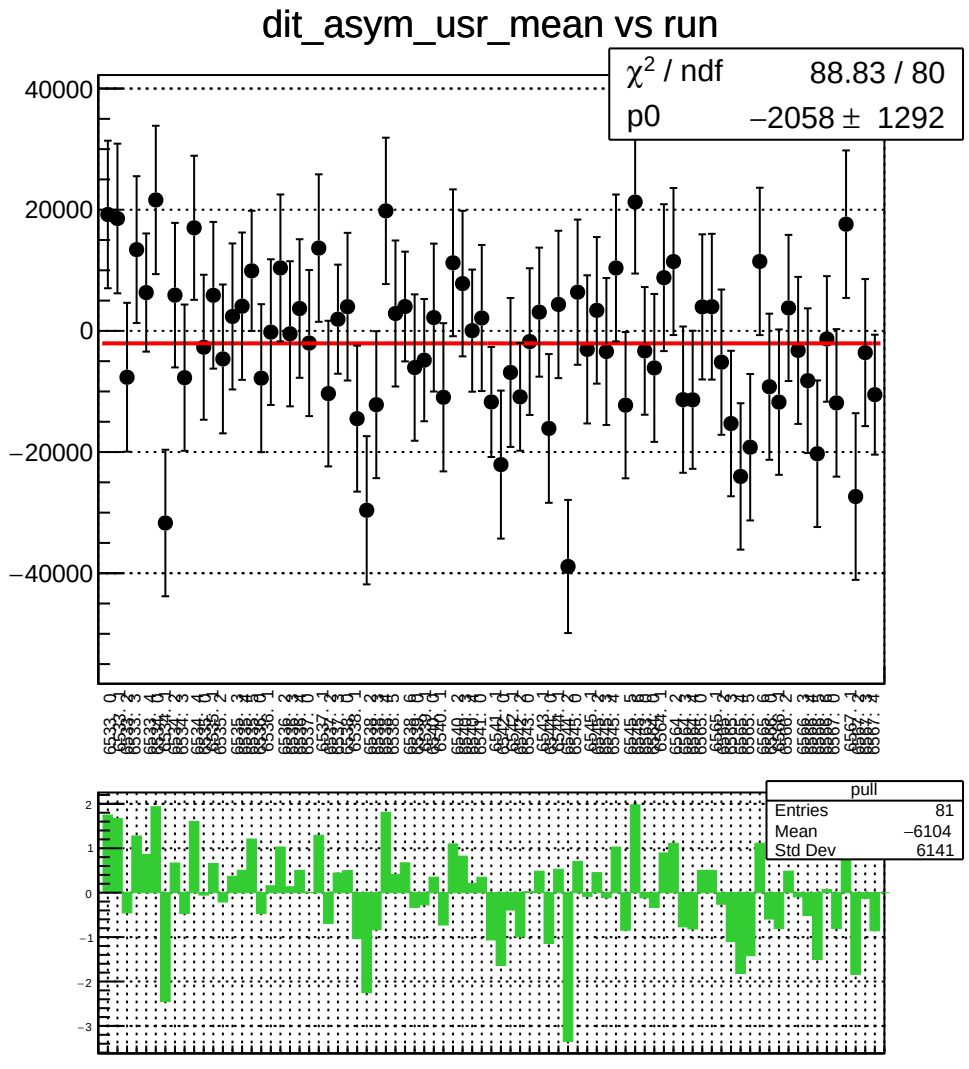

pull1D
Entries 81
Mean 0.01863
Std Dev 0.9438

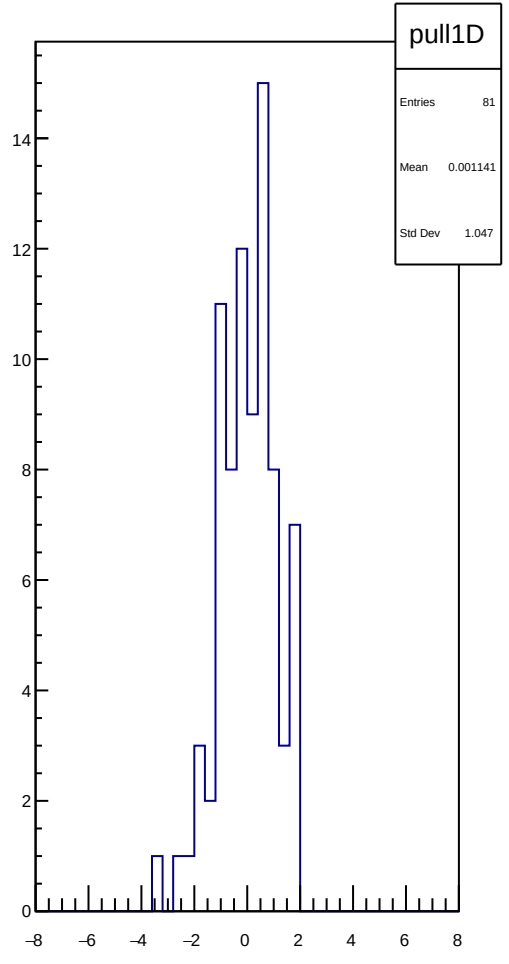

asym_usl_correction_rms vs run
χ² / ndf 2.445e+04 / 80
p0 1656 ± 1.322
2400
2200
2000
1800
1600
1400

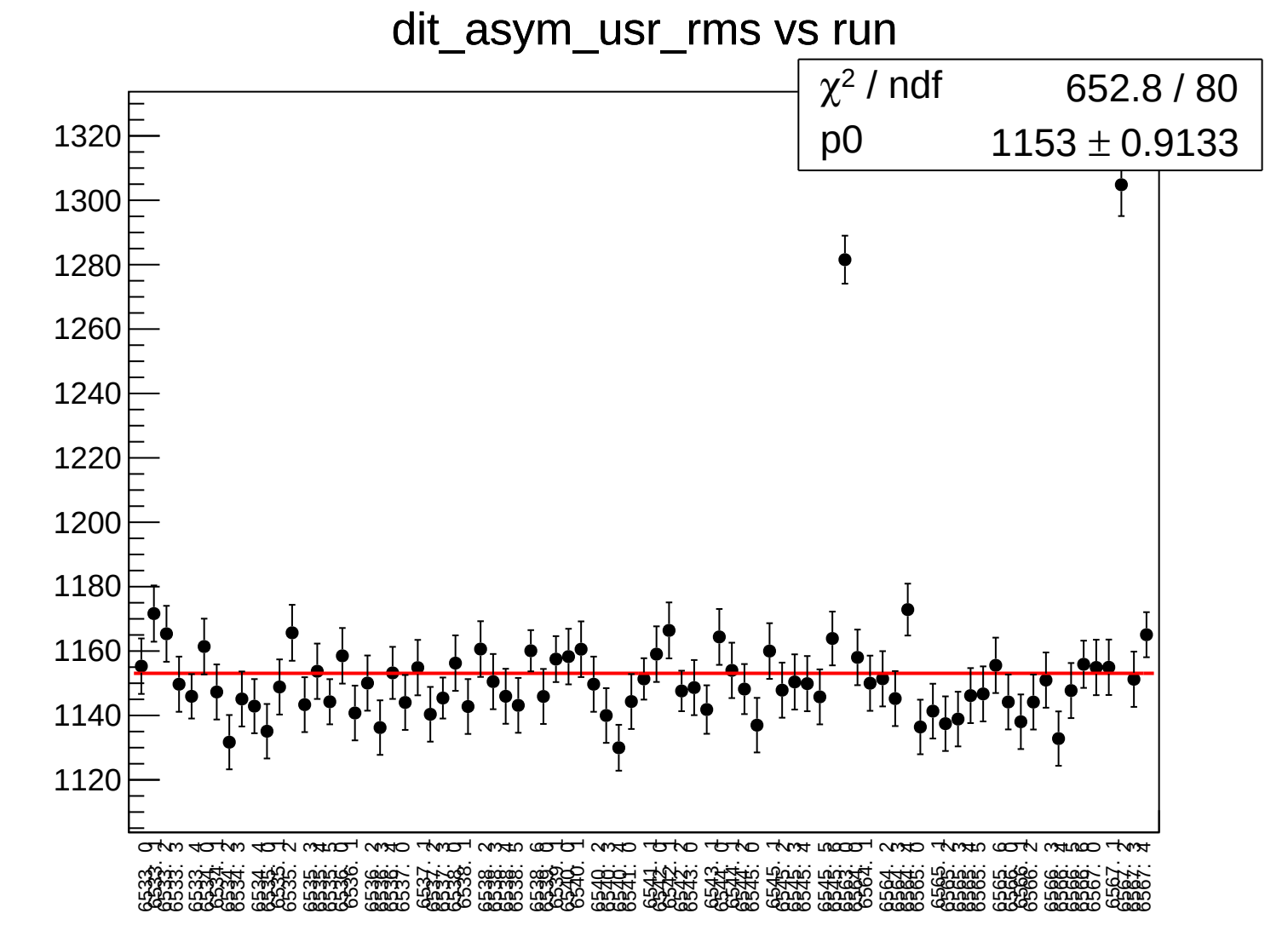

asym_usl_mean vs run
χ² / ndf 85.62 / 80
p0 −1112 ± 2296
pull
Entries 81
Mean 46.38
Std Dev 59.87

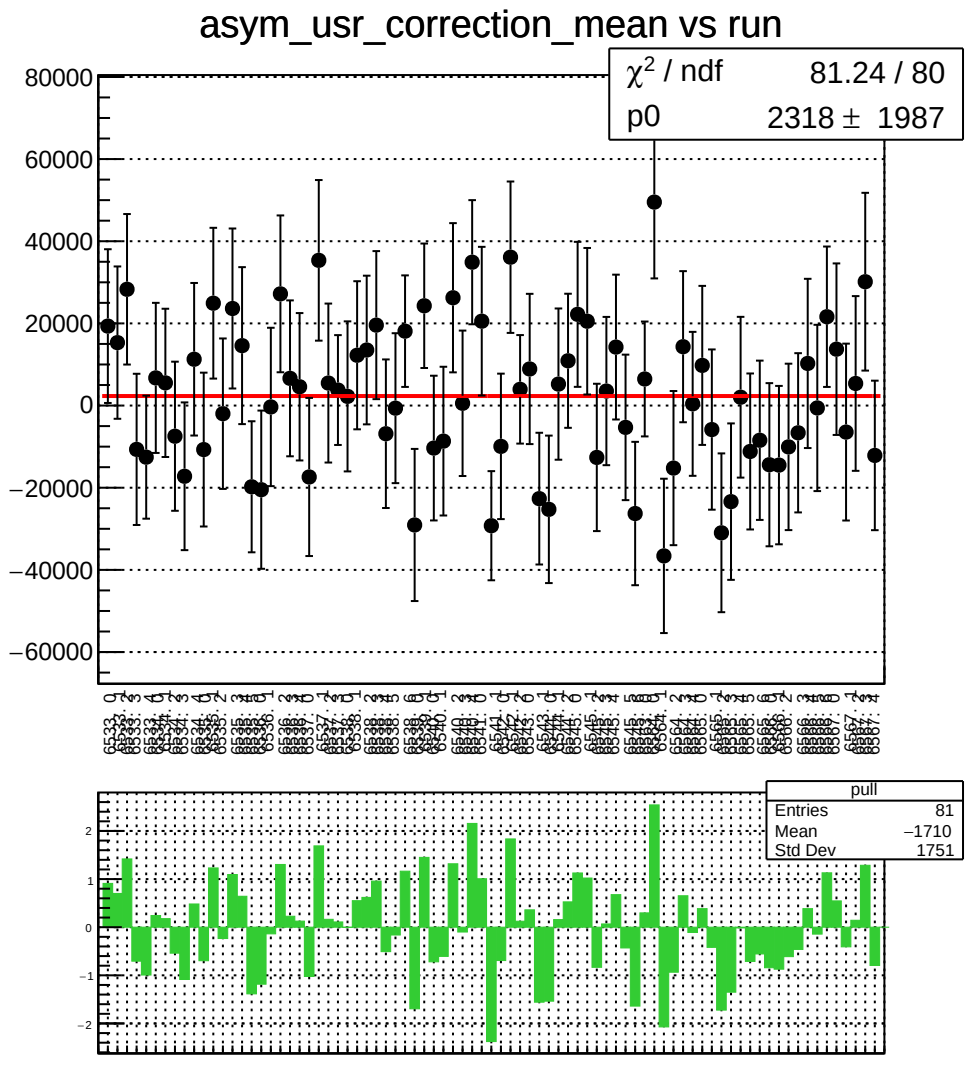

pull1D
Entries 81
Mean −0.01347
Std Dev 1.028

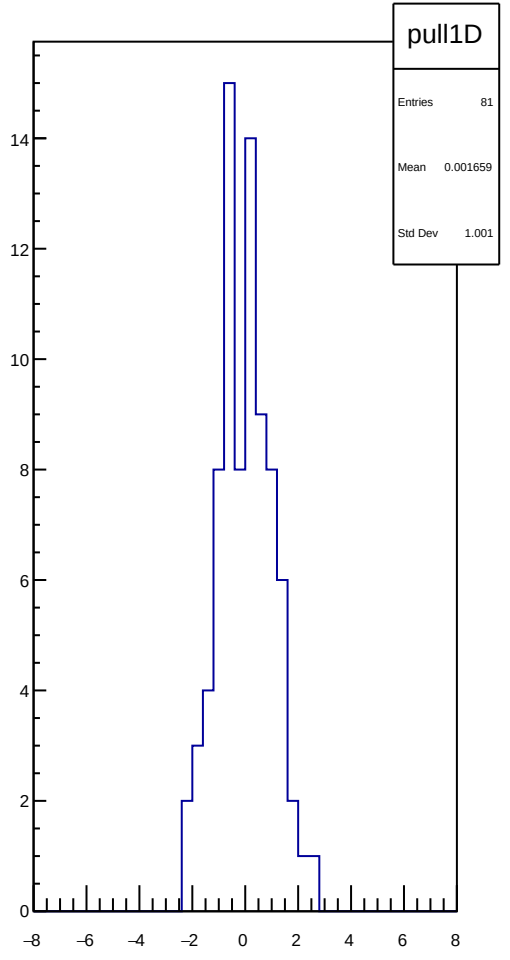

asym_usl_rms vs run
χ^2 / ndf 1.83e+04 / 80
p0 2039 ± 1.624
3000
2800
2600
2400
2200
2000
1800

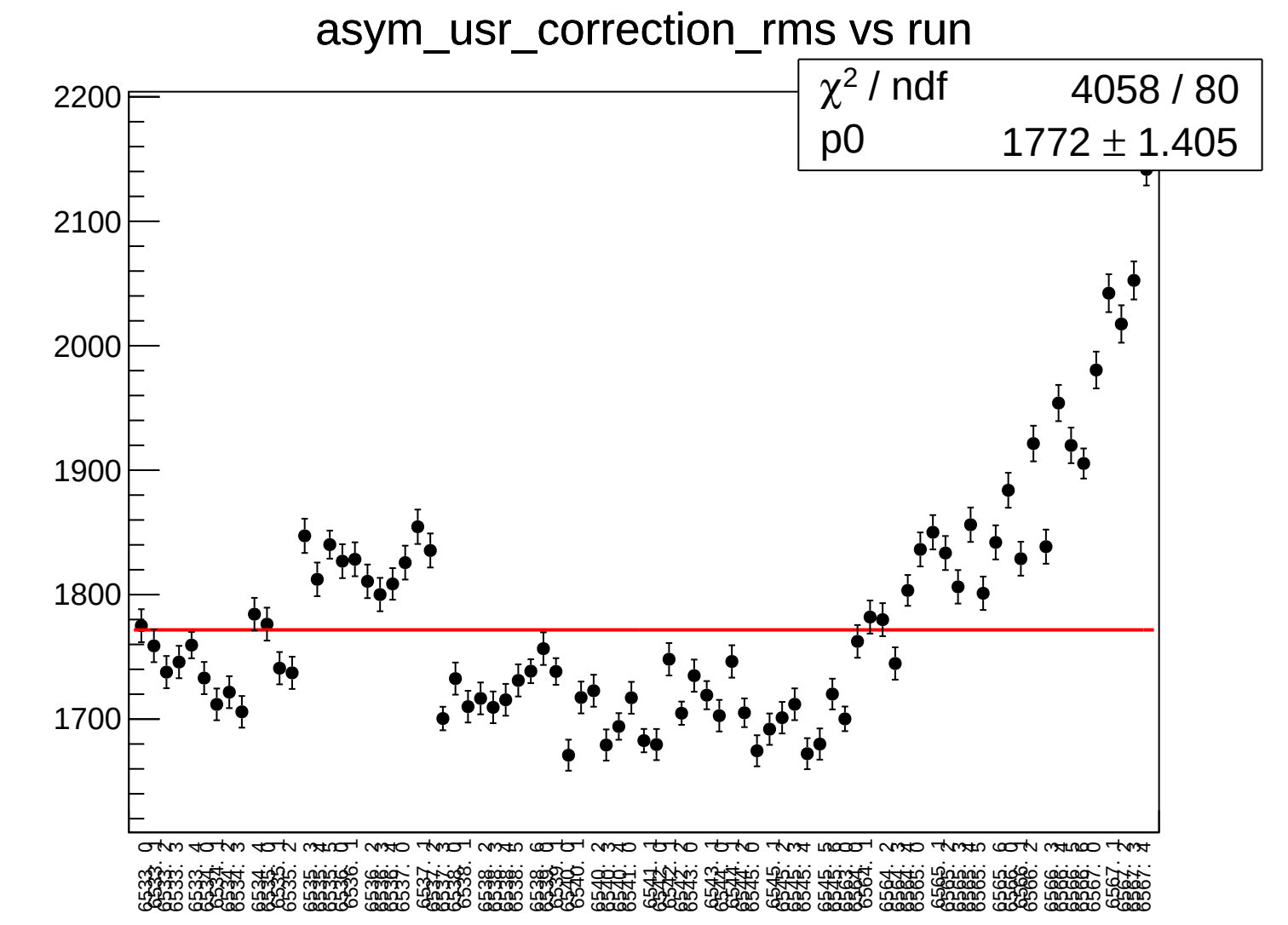

dit_asym_usr_mean vs run
χ² / ndf 88.83 / 80
p0 −2058 ± 1292
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −6104
Std Dev 6141
2
1
0
−1
−2
−3

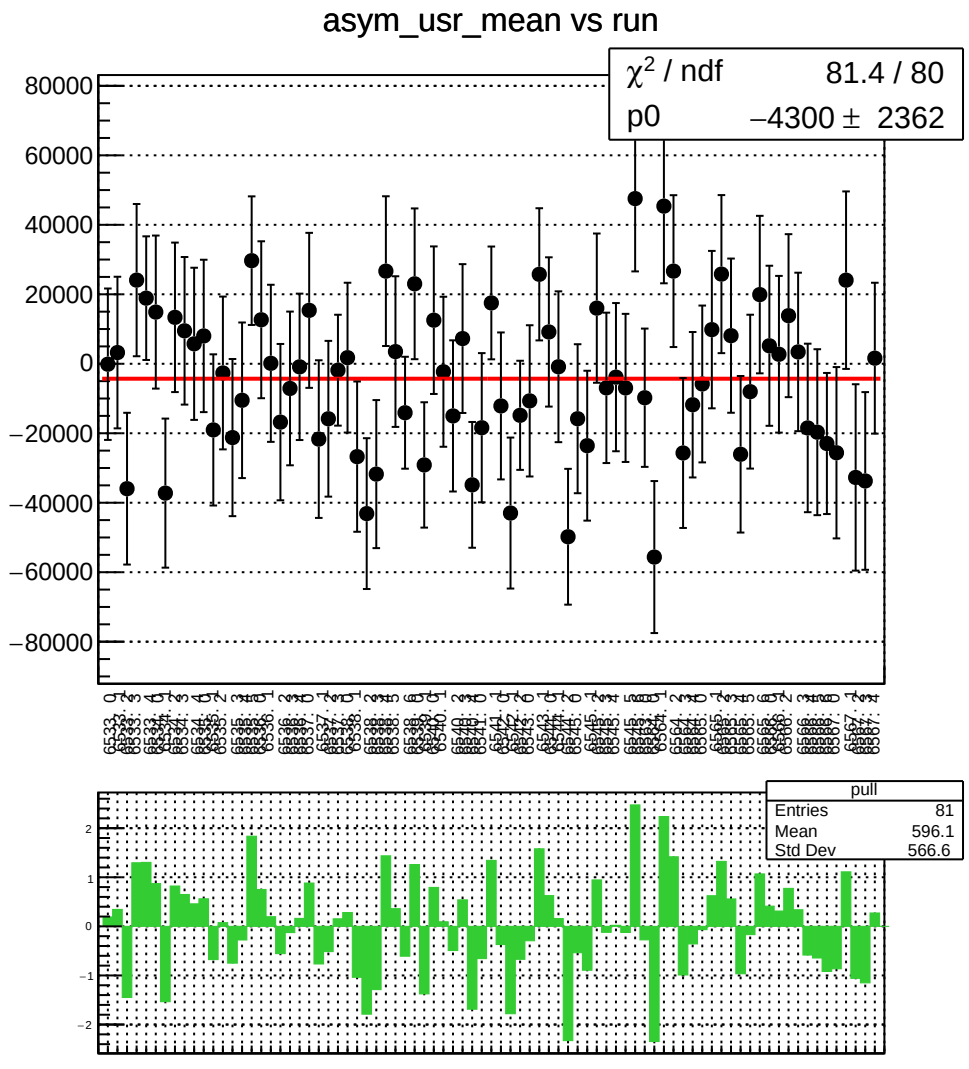

pull1D
Entries 81
Mean 0.001141
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

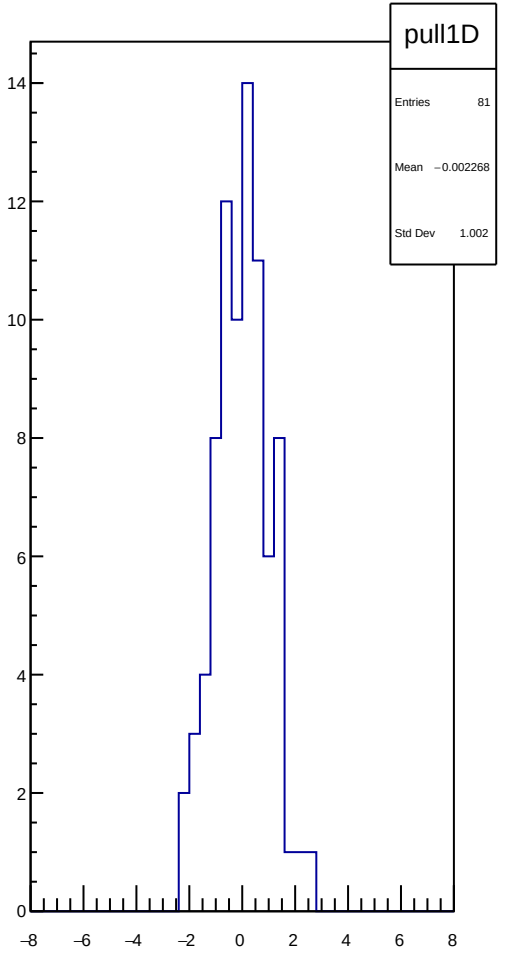

dit_asym_usr_rms vs run
χ² / ndf 652.8 / 80
p0 1153 ± 0.9133
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

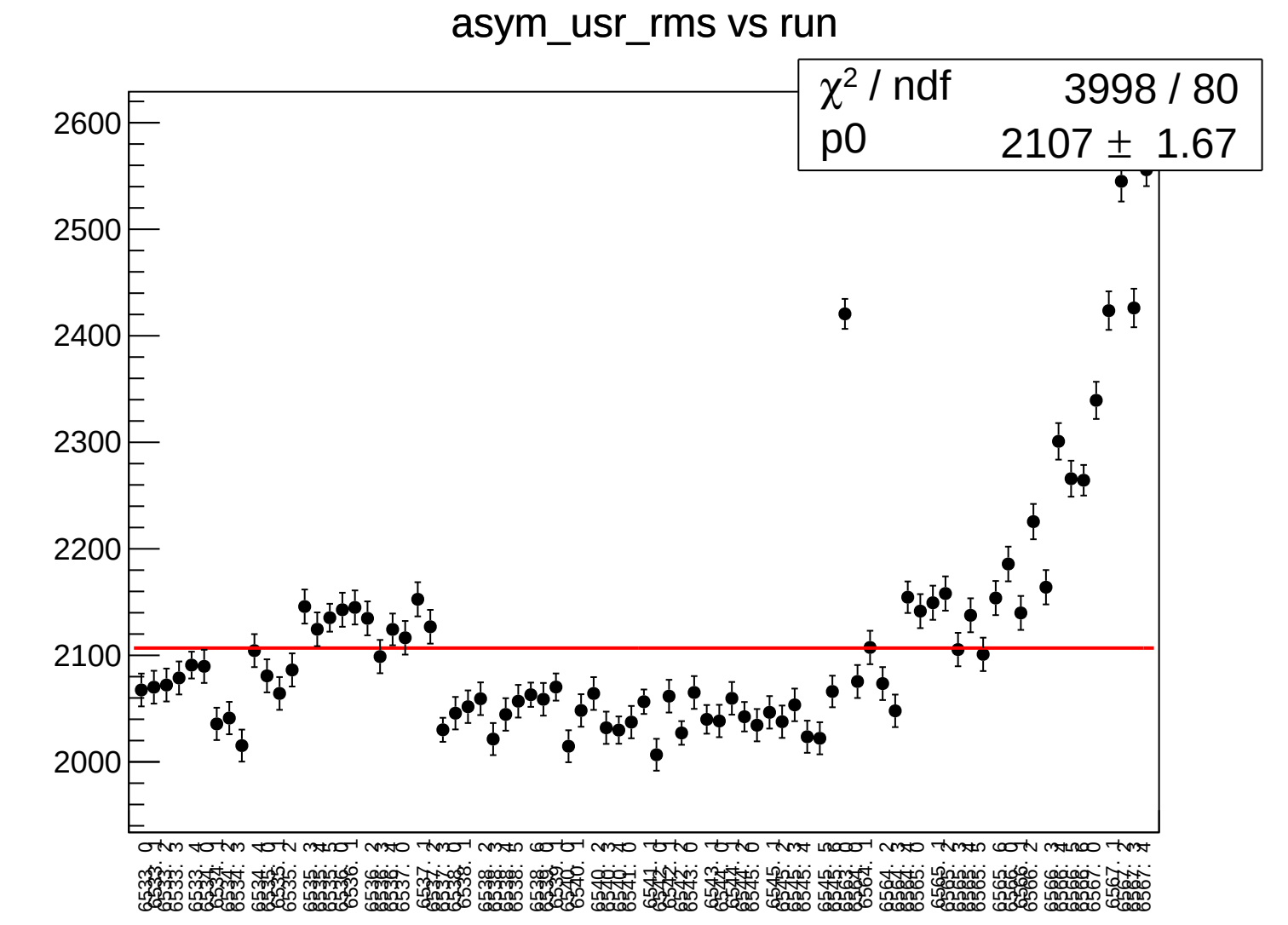

asym_usr_correction_mean vs run
χ² / ndf 81.24 / 80
p0 2318 ± 1987
pull
Entries 81
Mean −1710
Std Dev 1751

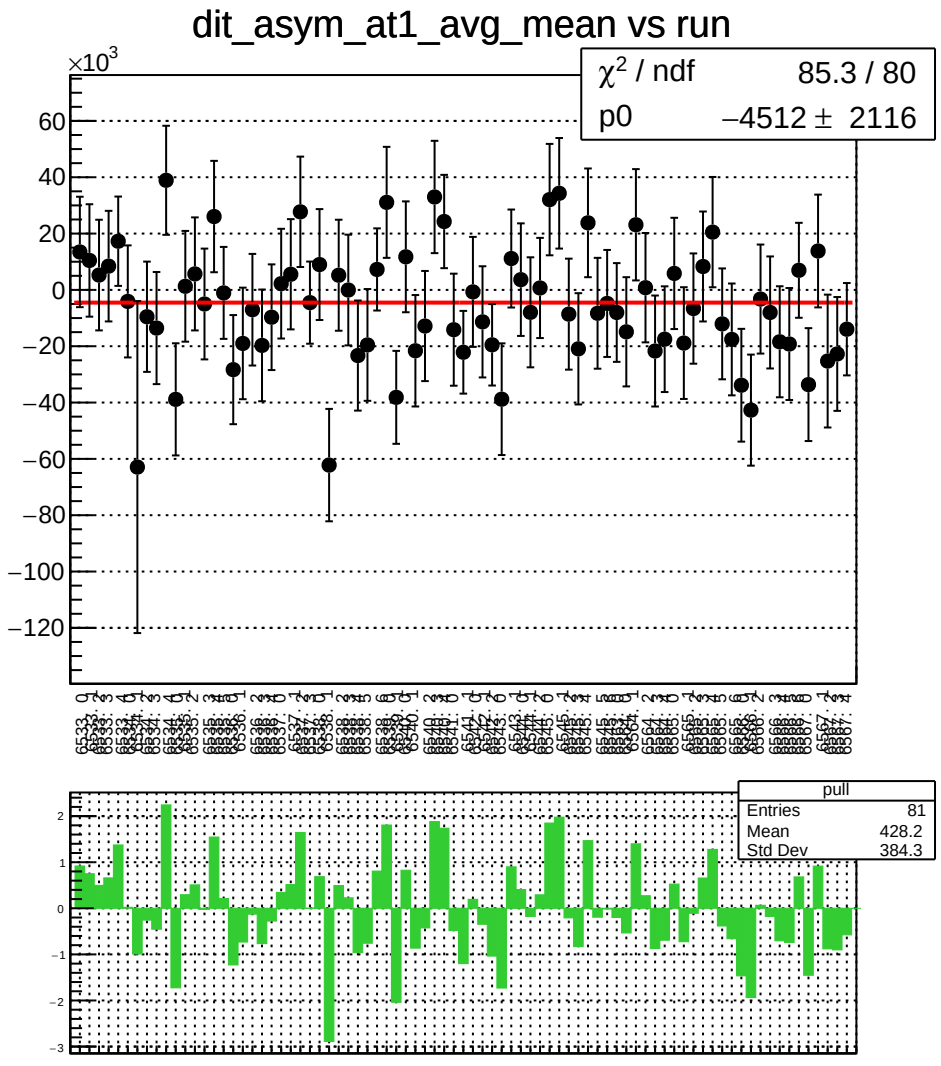

pull1D
Entries 81
Mean 0.001659
Std Dev 1.001

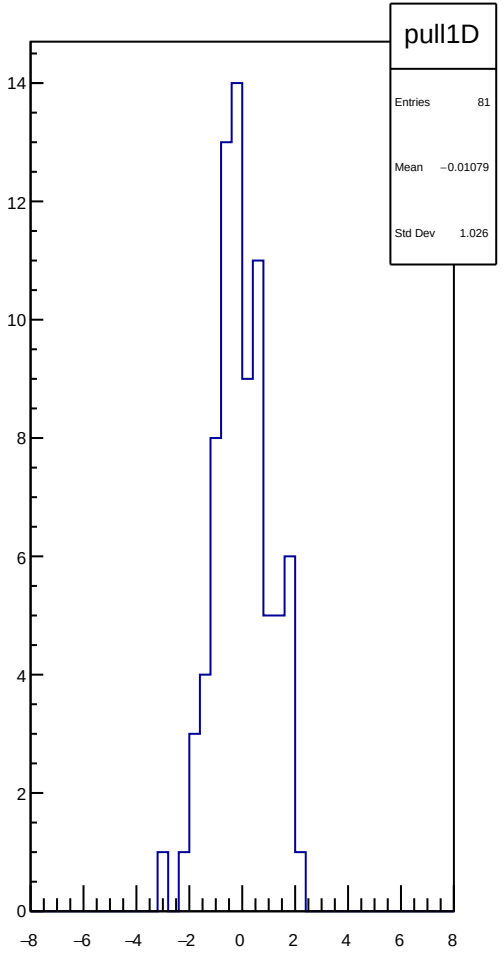

asym_usr_correction_rms vs run
χ² / ndf 4058 / 80
p0 1772 ± 1.405
2200
2100
2000
1900
1800
1700

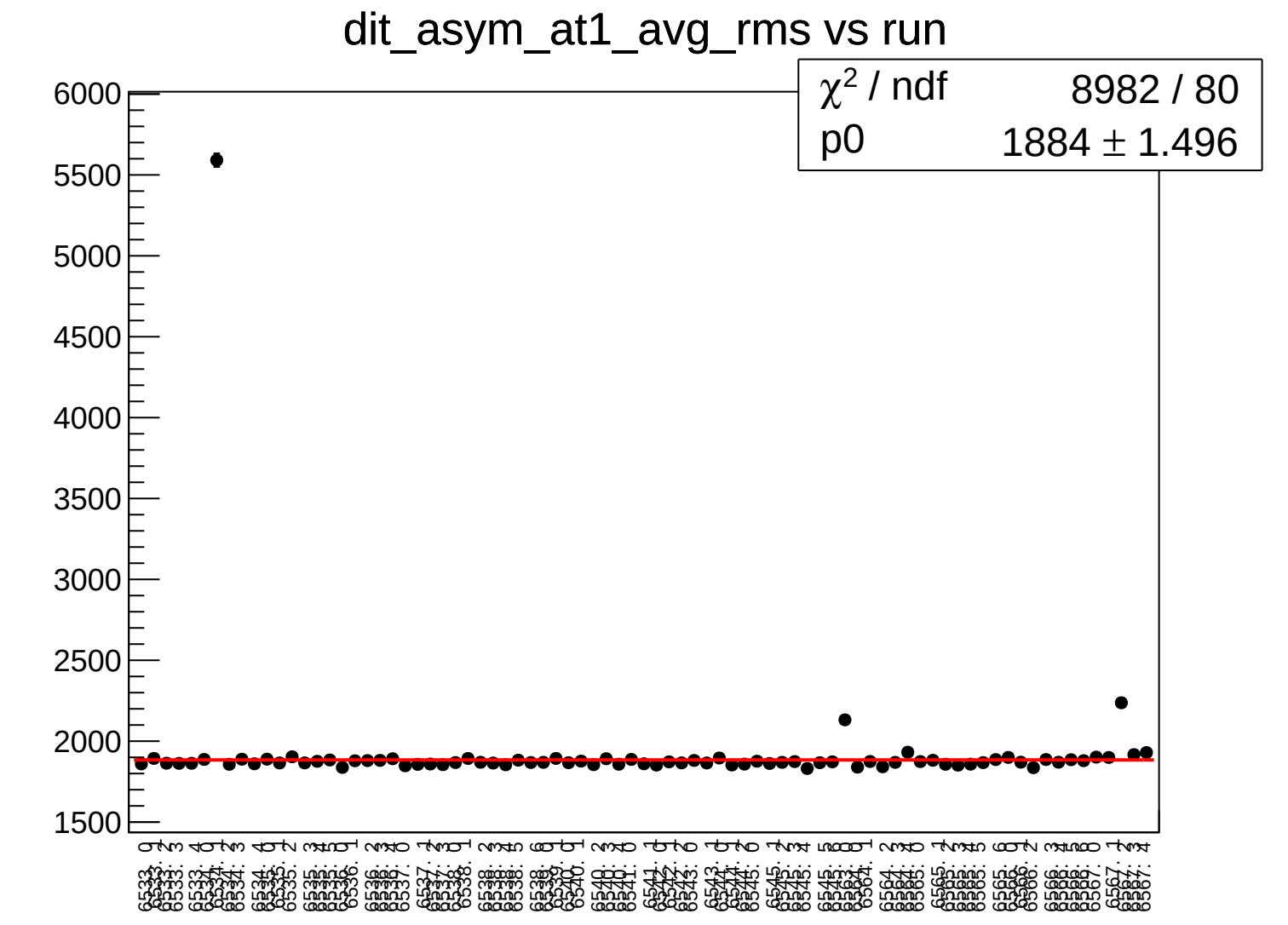

asym_usr_mean vs run
χ² / ndf 81.4 / 80
p0 −4300 ± 2362
pull
Entries 81
Mean 596.1
Std Dev 566.6

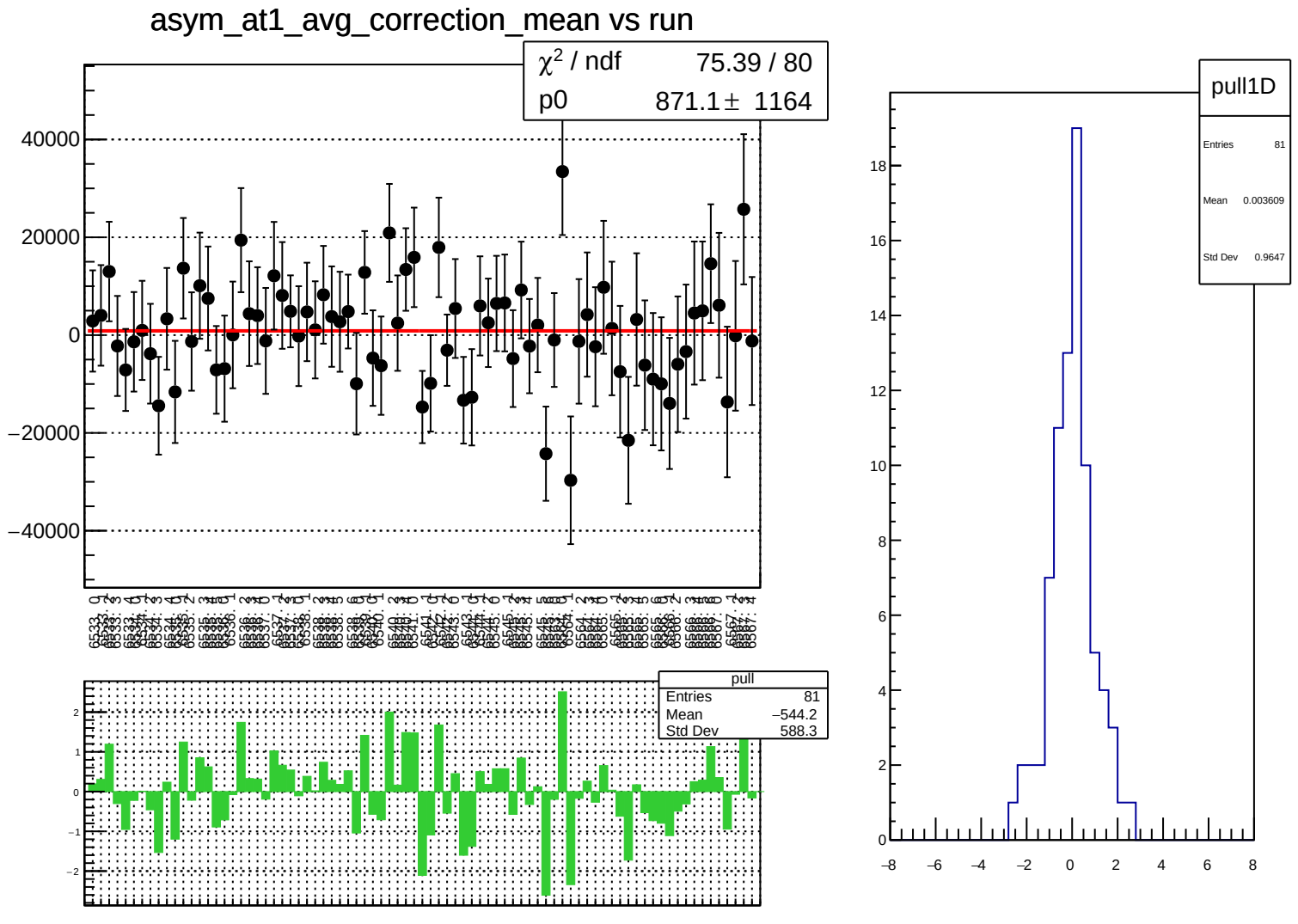

pull1D
Entries 81
Mean −0.002268
Std Dev 1.002

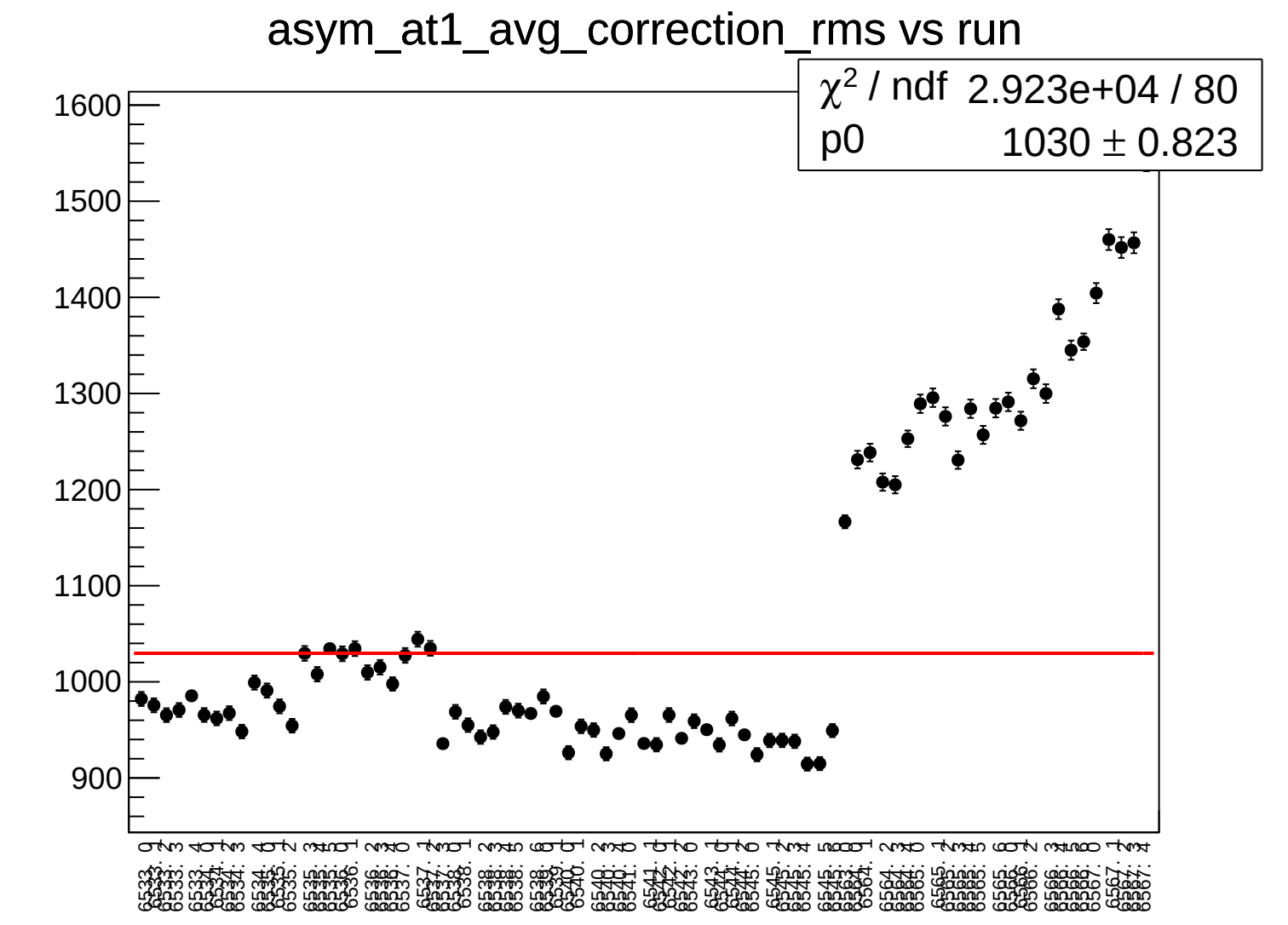

asym_usr_rms vs run
χ² / ndf 3998 / 80
p0 2107 ± 1.67
2600
2500
2400
2300
2200
2100
2000

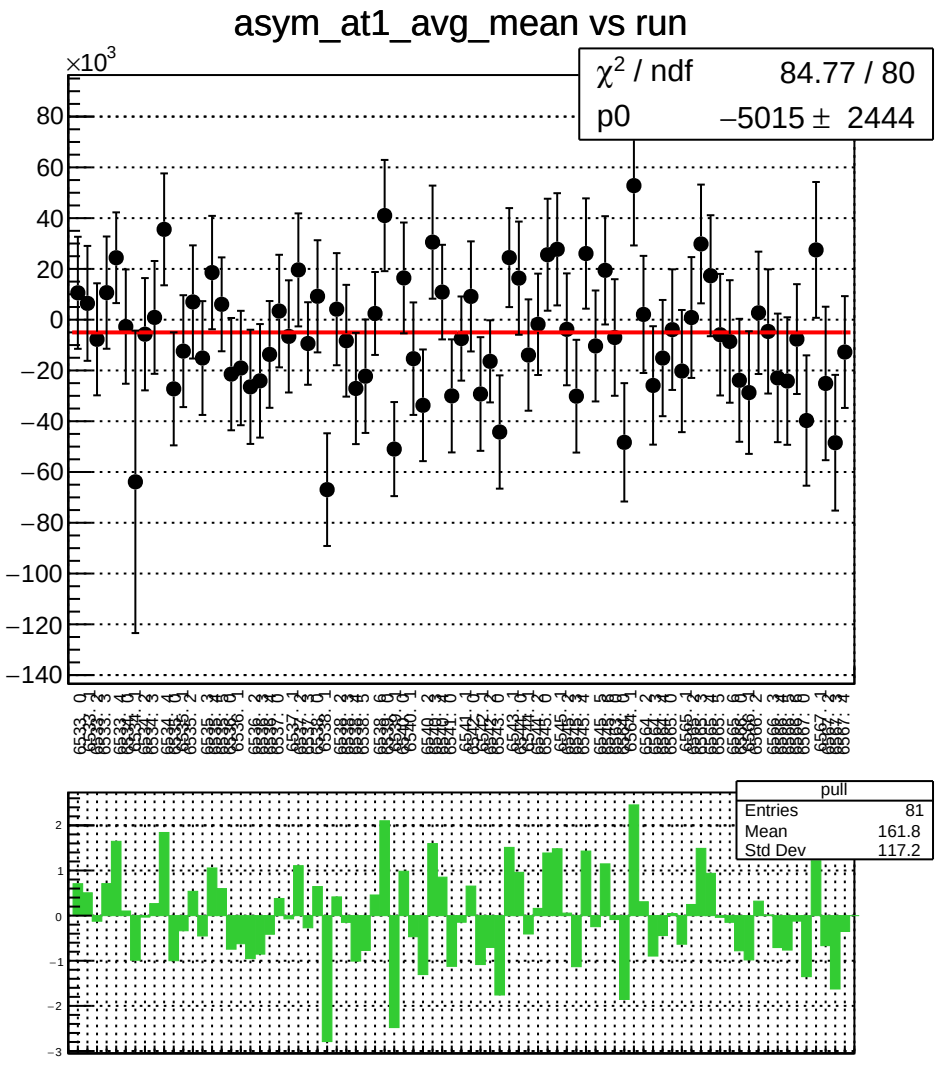

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 85.3 / 80
p0 −4512 ± 2116
pull
Entries 81
Mean 428.2
Std Dev 384.3

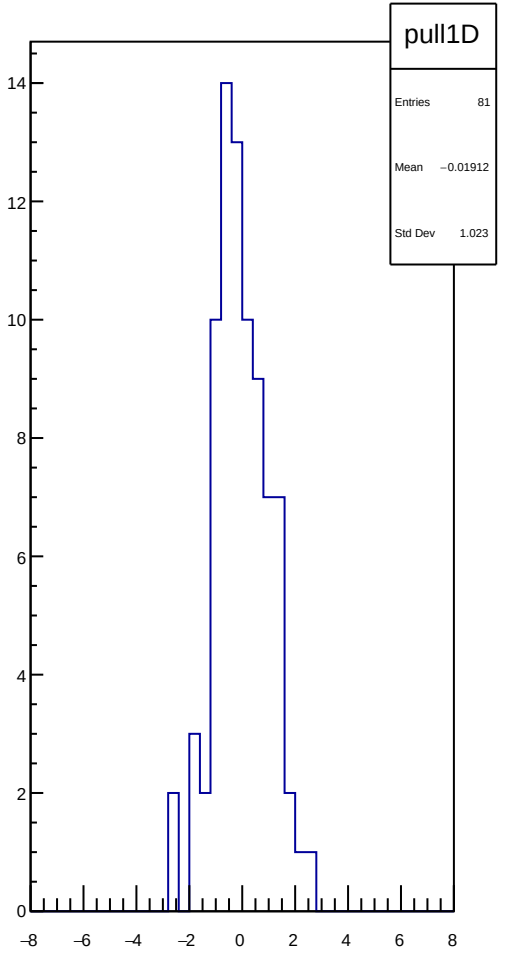

pull1D
Entries 81
Mean −0.01079
Std Dev 1.026

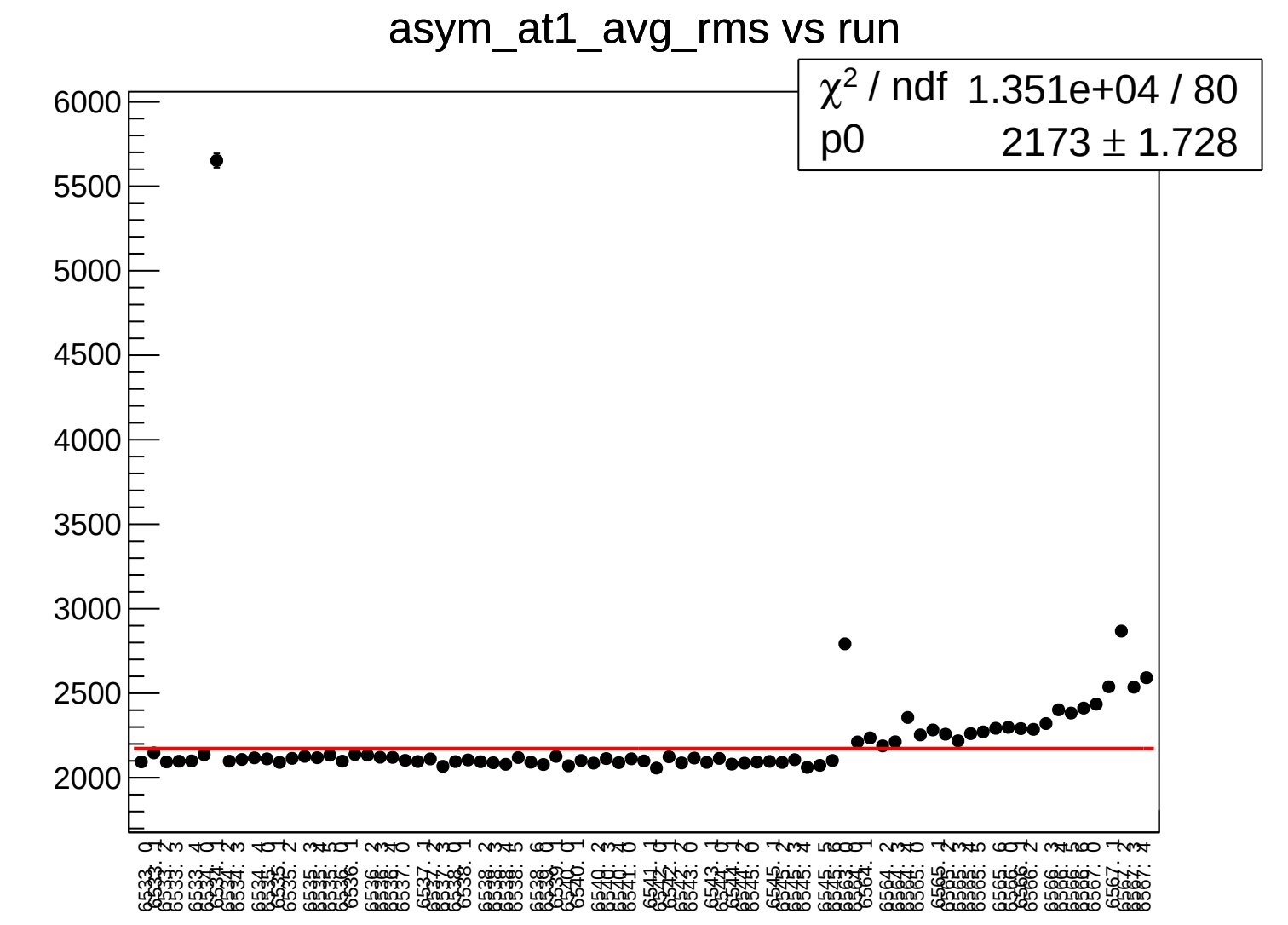

dit_asym_at1_avg_rms vs run
χ^2 / ndf 8982 / 80
p0 1884 ± 1.496
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

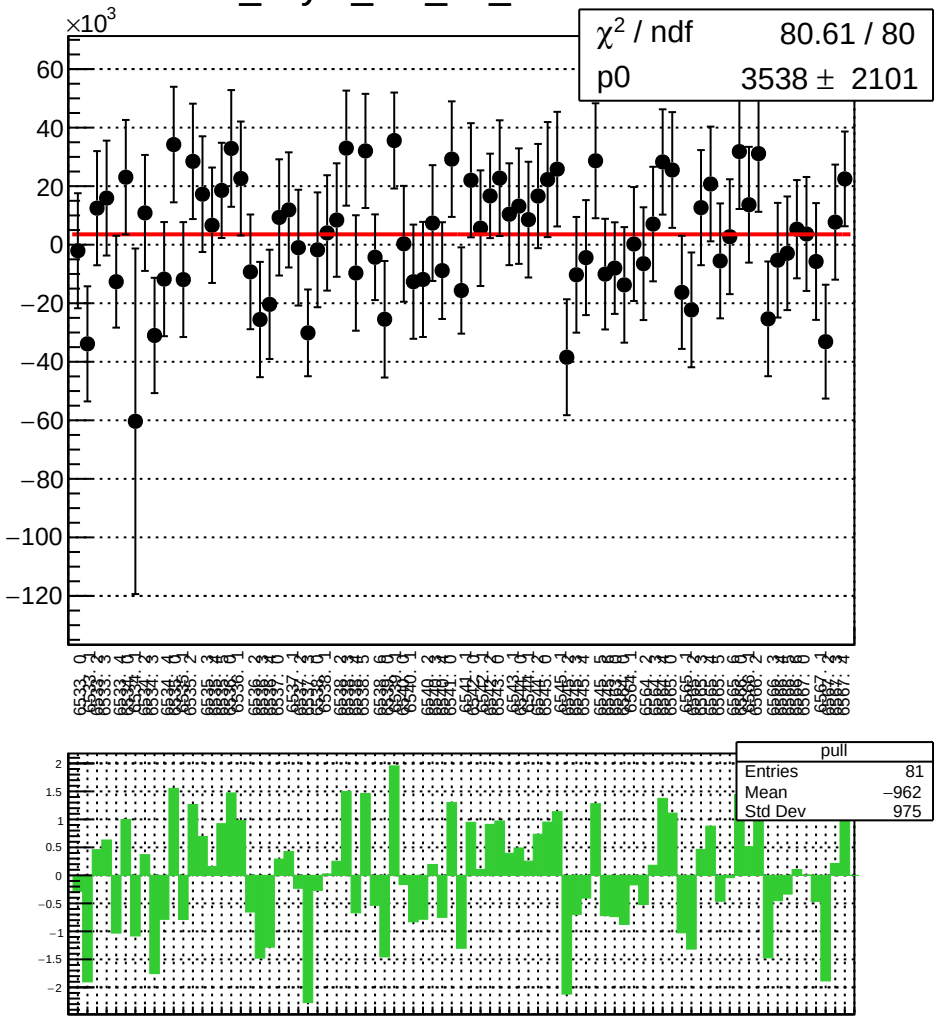

asym_at1_avg_correction_mean vs run
χ² / ndf 75.39 / 80
p0 871.1 ± 1164
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −544.2
Std Dev 588.3
pull1D
Entries 81
Mean 0.003609
Std Dev 0.9647

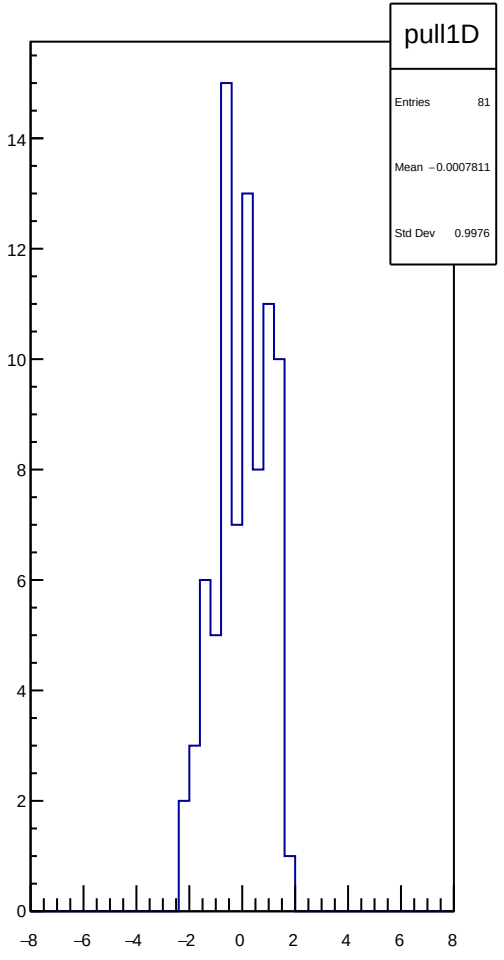

asym_at1_avg_correction_rms vs run
χ² / ndf 2.923e+04 / 80
p0 1030 ± 0.823
1600
1500
1400
1300
1200
1100
1000
900

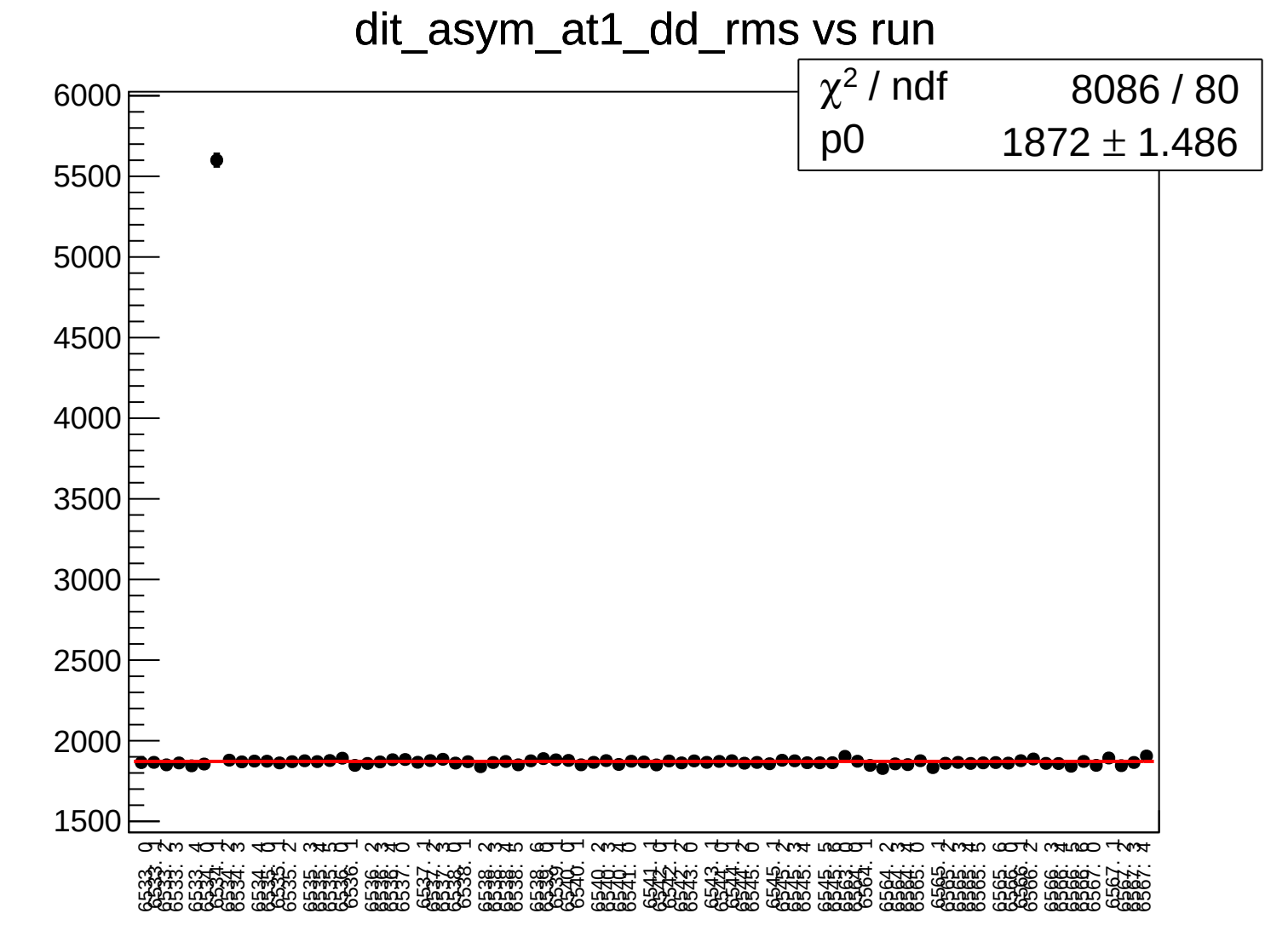

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 84.77 / 80
p0 −5015 ± 2444
pull
Entries 81
Mean 161.8
Std Dev 117.2

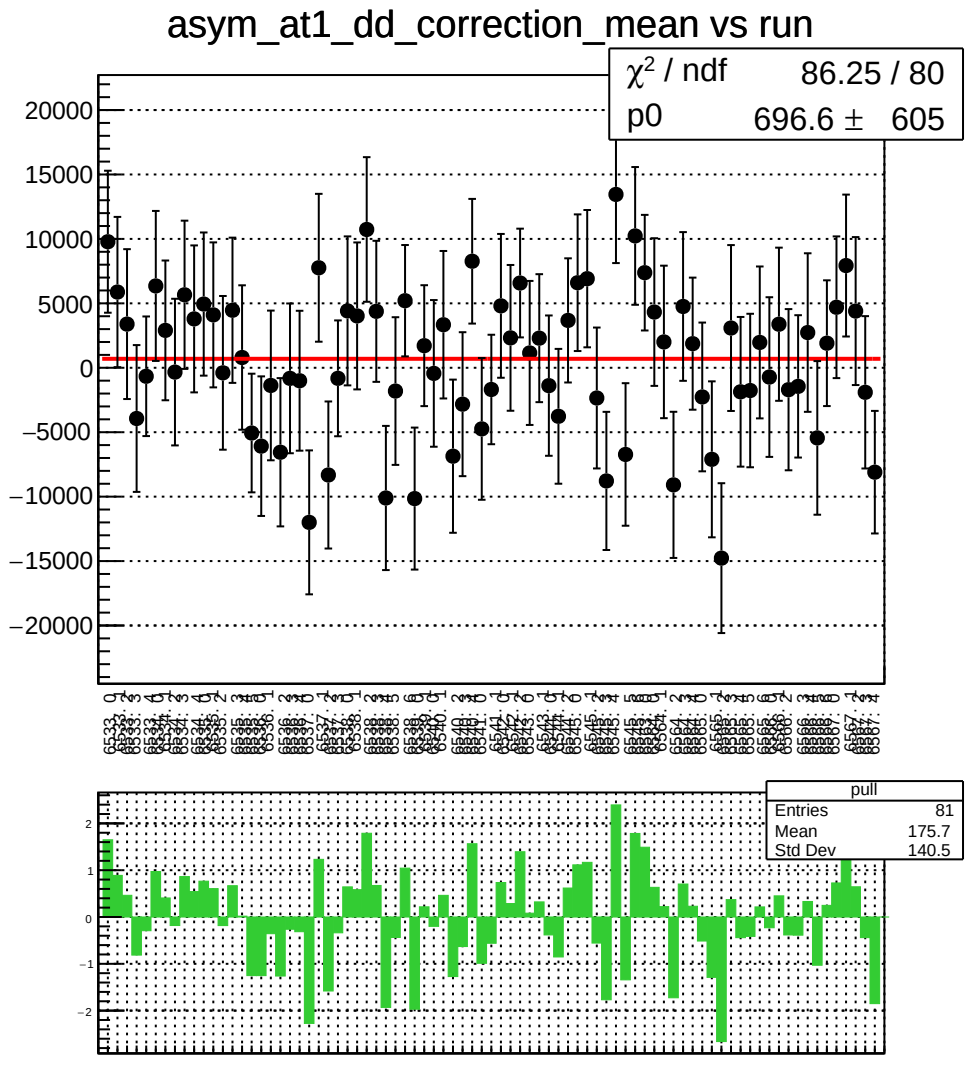

pull1D
Entries 81
Mean −0.01912
Std Dev 1.023

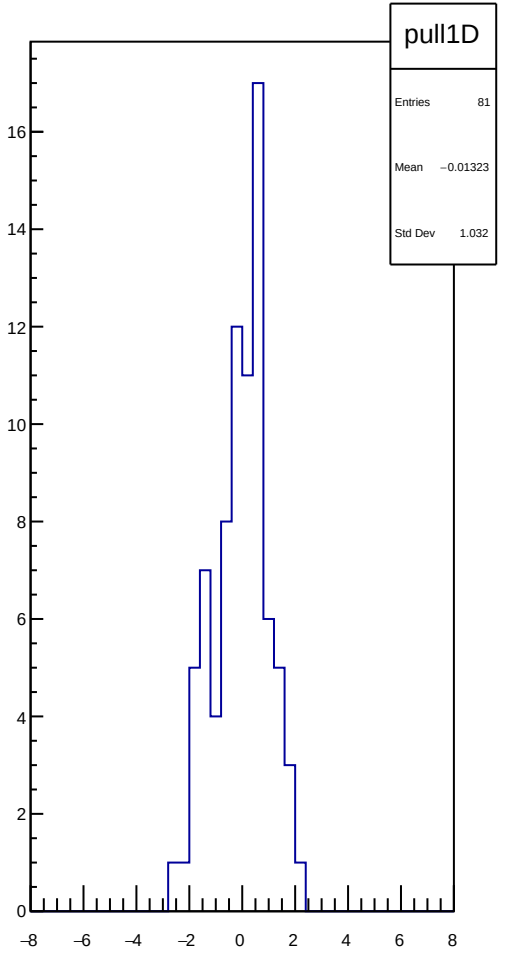

asym_at1_avg_rms vs run
χ^2 / ndf 1.351e+04 / 80
p0 2173 ± 1.728
6000
5500
5000
4500
4000
3500
3000
2500
2000

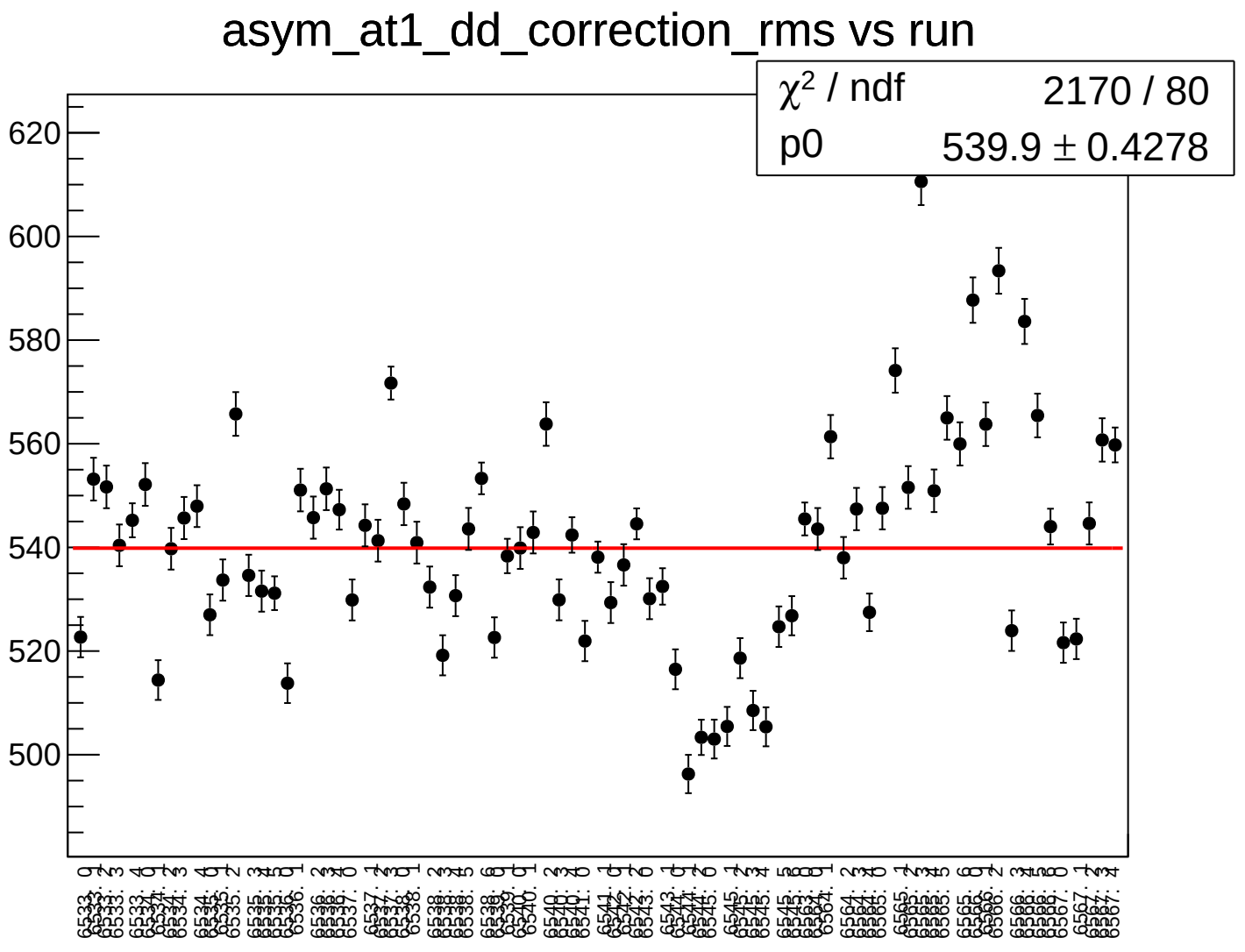

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 80.61 / 80
p0 3538 ± 2101
pull
Entries 81
Mean −962
Std Dev 975

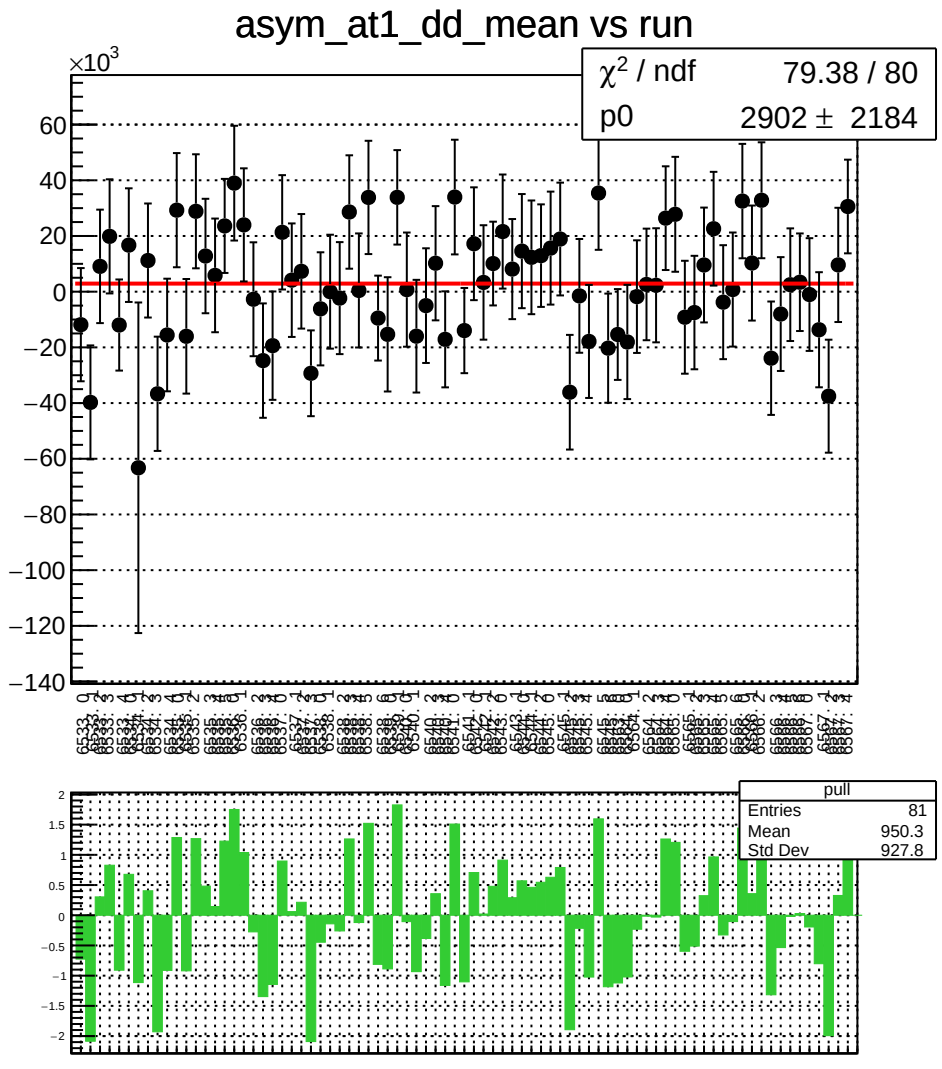

pull1D
Entries 81
Mean −0.0007811
Std Dev 0.9976

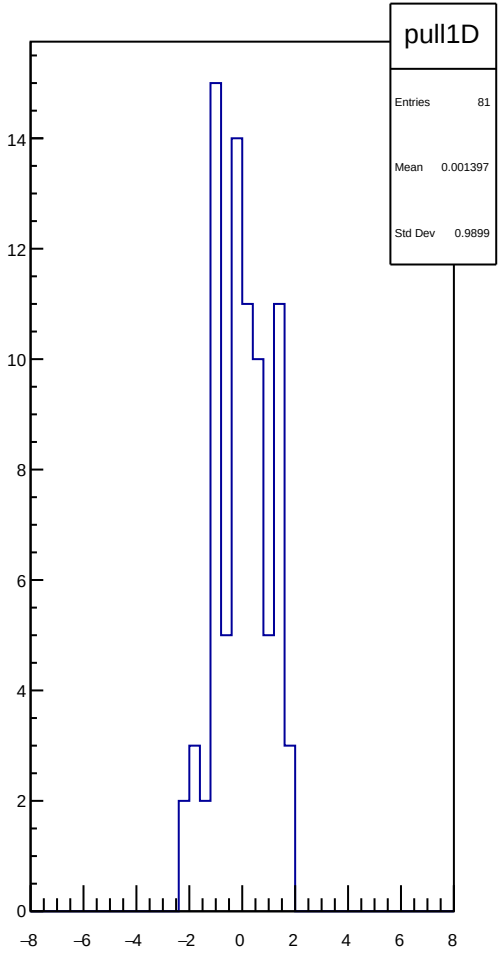

dit_asym_at1_dd_rms vs run
χ² / ndf 8086 / 80
p0 1872 ± 1.486
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

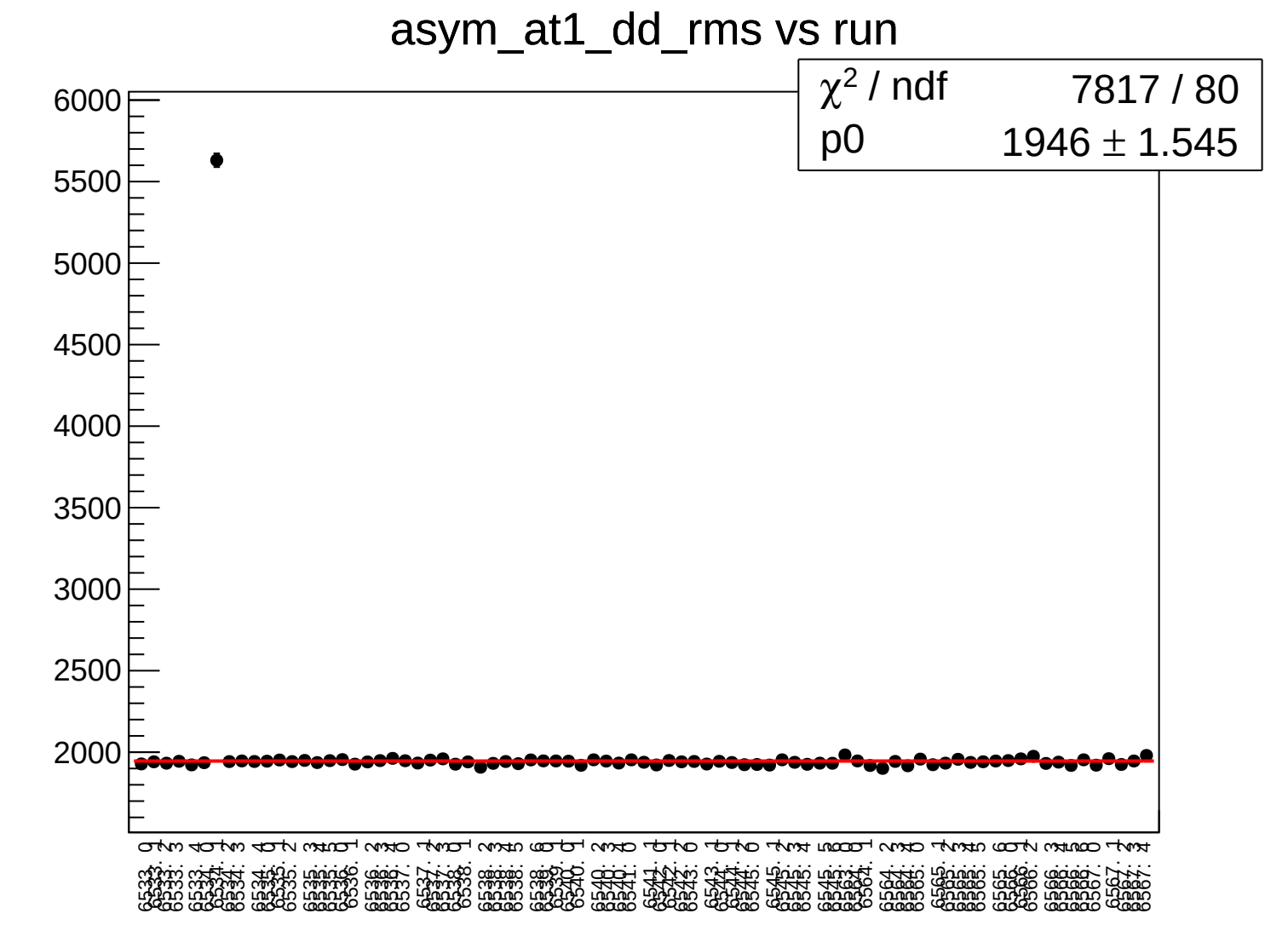

asym_at1_dd_correction_mean vs run
χ² / ndf 86.25 / 80
p0 696.6 ± 605
pull
Entries 81
Mean 175.7
Std Dev 140.5

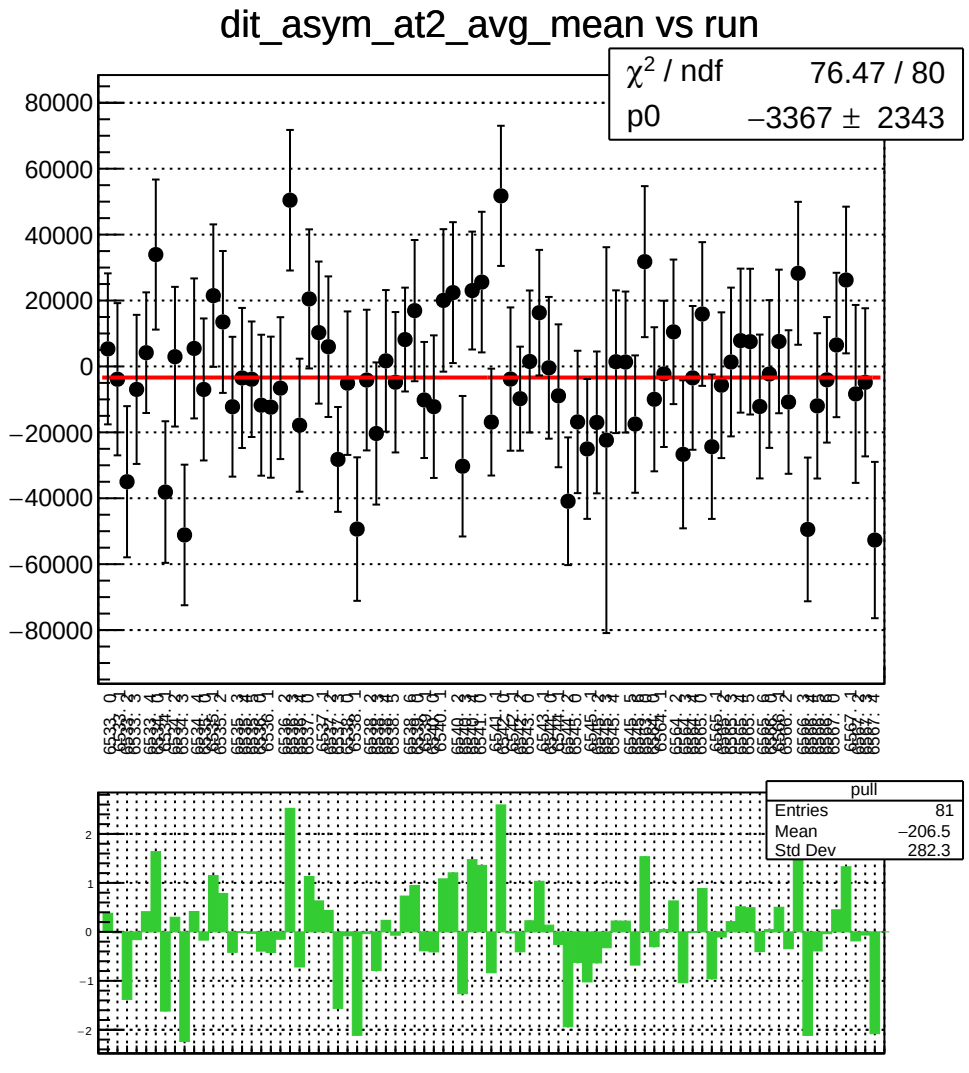

pull1D
Entries 81
Mean −0.01323
Std Dev 1.032

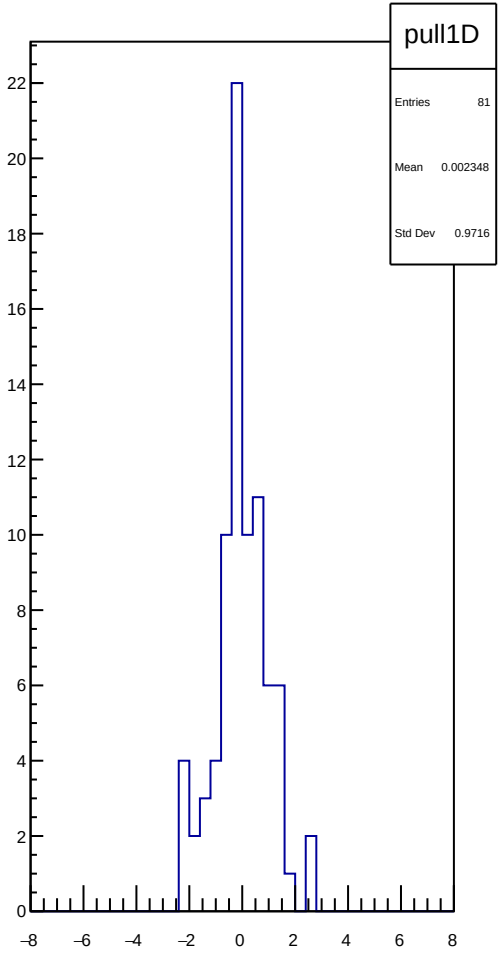

asym_at1_dd_correction_rms vs run
χ² / ndf 2170 / 80
p0 539.9 ± 0.4278
620
600
580
560
540
520
500

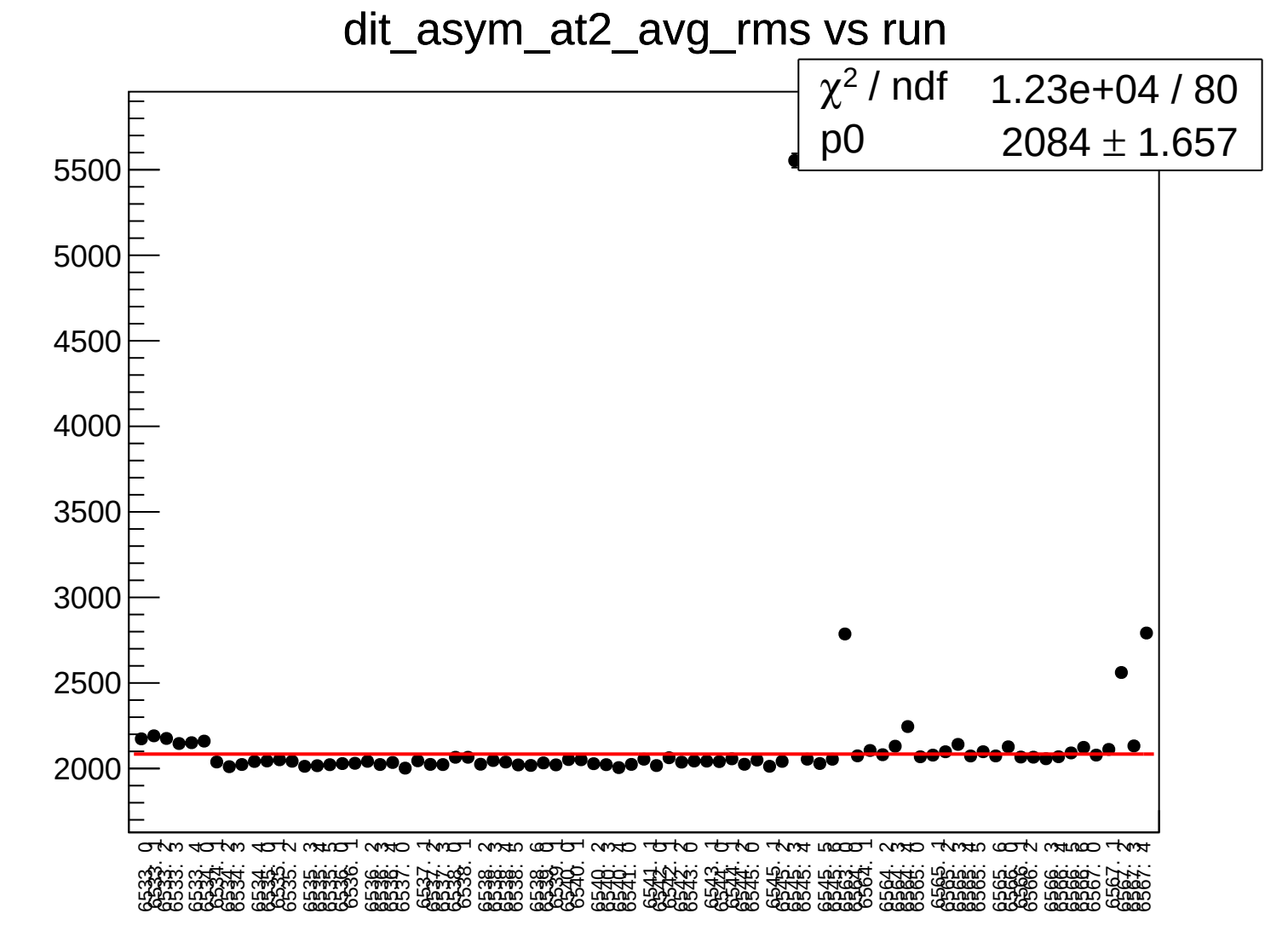

asym_at1_dd_mean vs run
×10^3
χ² / ndf 79.38 / 80
p0 2902 ± 2184
pull
Entries 81
Mean 950.3
Std Dev 927.8

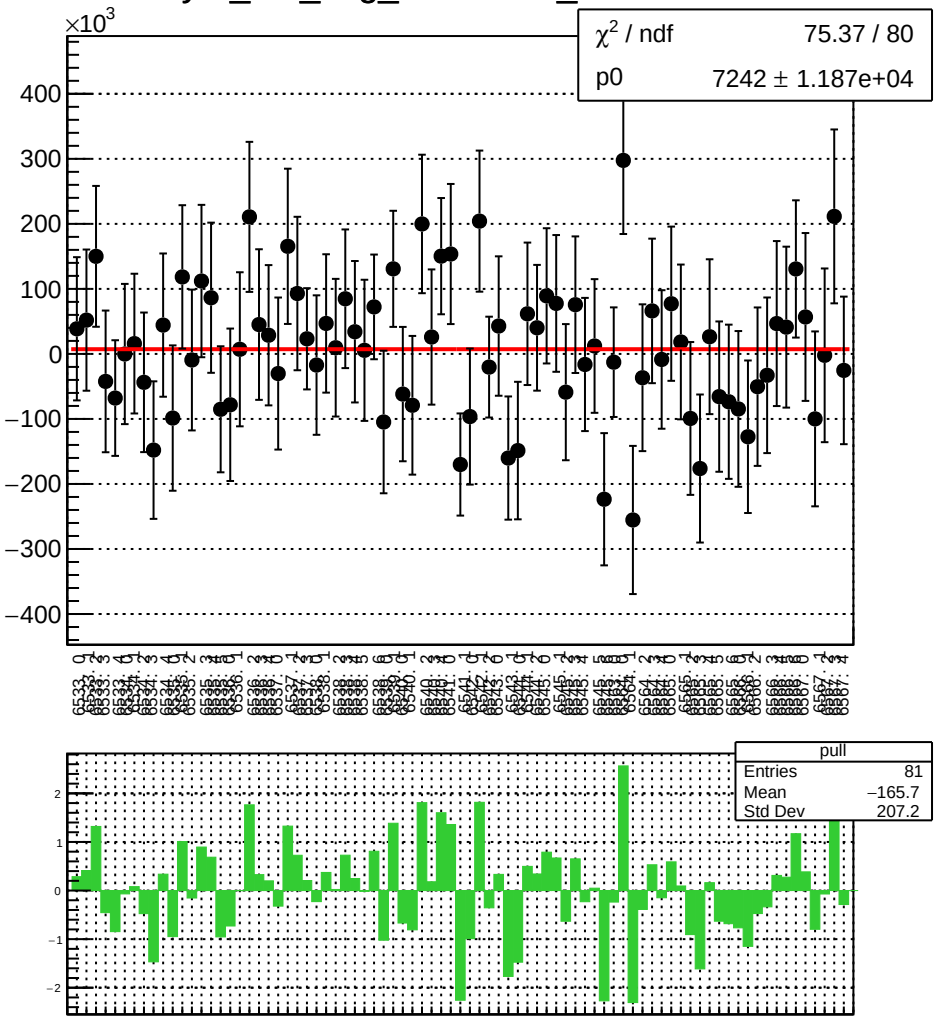

pull1D
Entries 81
Mean 0.001397
Std Dev 0.9899

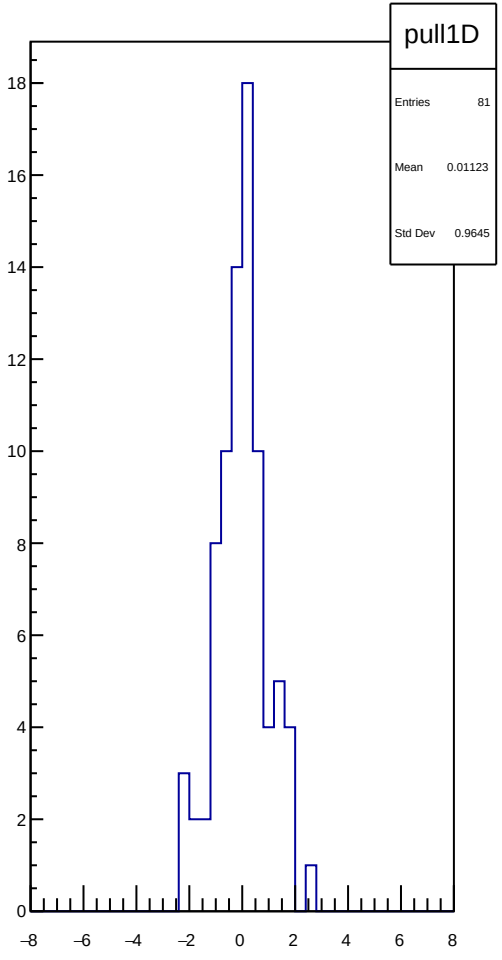

asym_at1_dd_rms vs run
χ^2 / ndf 7817 / 80
p0 1946 ± 1.545
6000
5500
5000
4500
4000
3500
3000
2500
2000

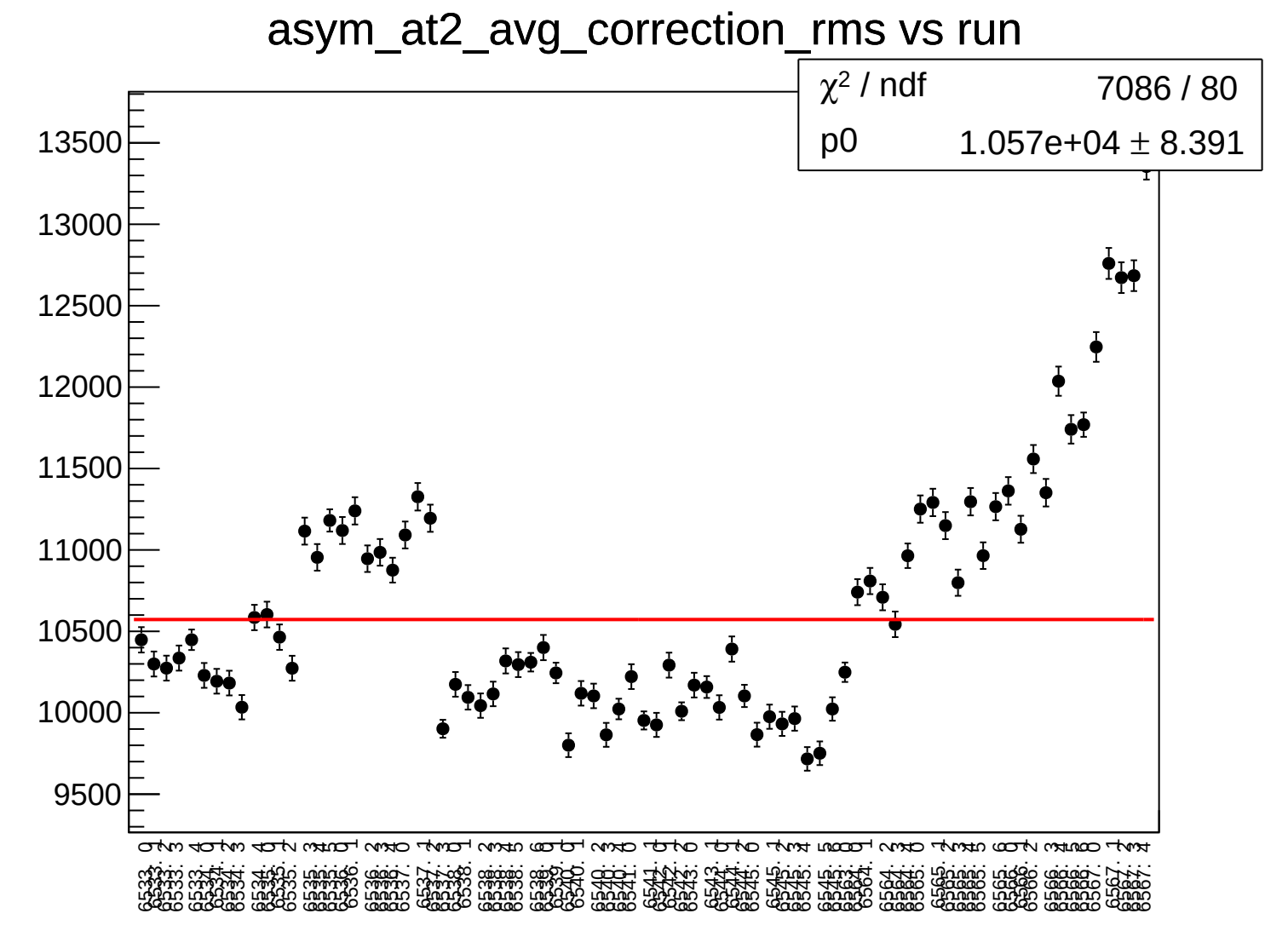

dit_asym_at2_avg_mean vs run
χ² / ndf 76.47 / 80
p0 −3367 ± 2343
pull
Entries 81
Mean −206.5
Std Dev 282.3

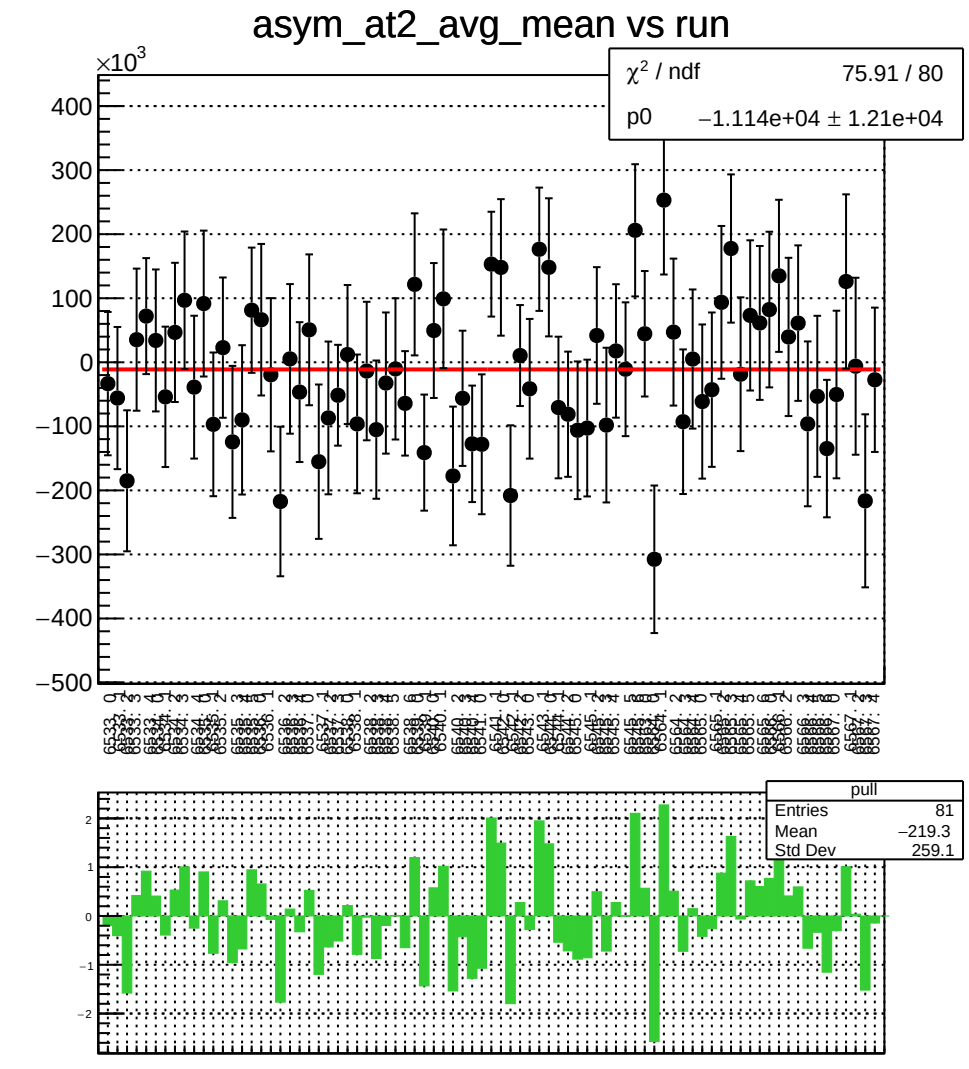

pull1D
Entries 81
Mean 0.002348
Std Dev 0.9716

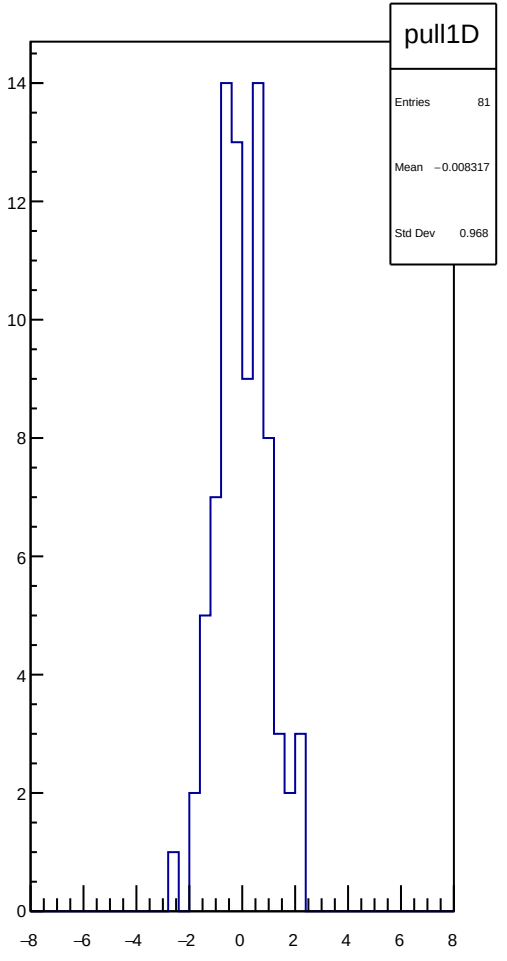

dit_asym_at2_avg_rms vs run
χ² / ndf 1.23e+04 / 80
p0 2084 ± 1.657
5500
5000
4500
4000
3500
3000
2500
2000

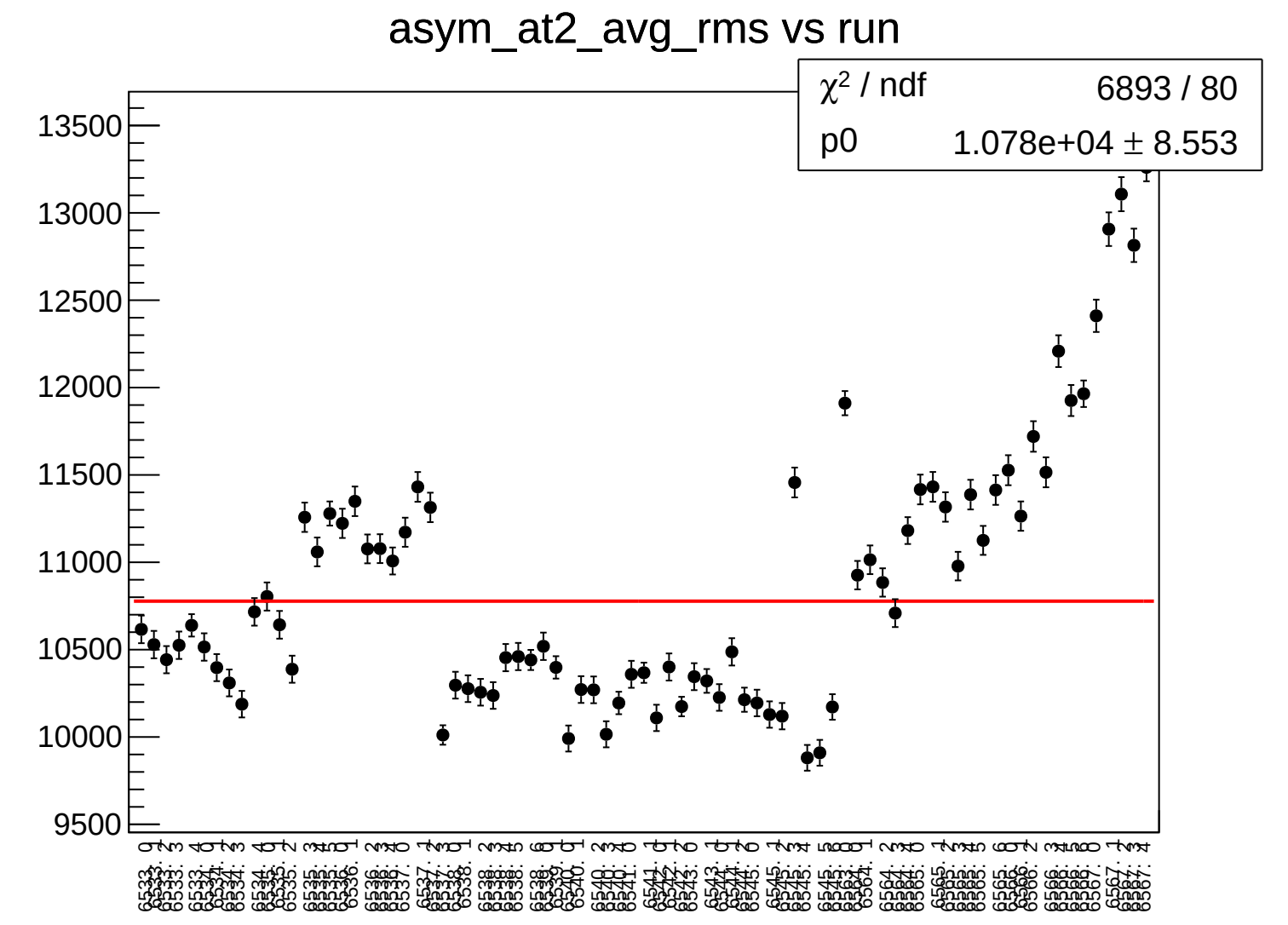

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 75.37 / 80
p0 7242 ± 1.187e+04
pull
Entries 81
Mean −165.7
Std Dev 207.2

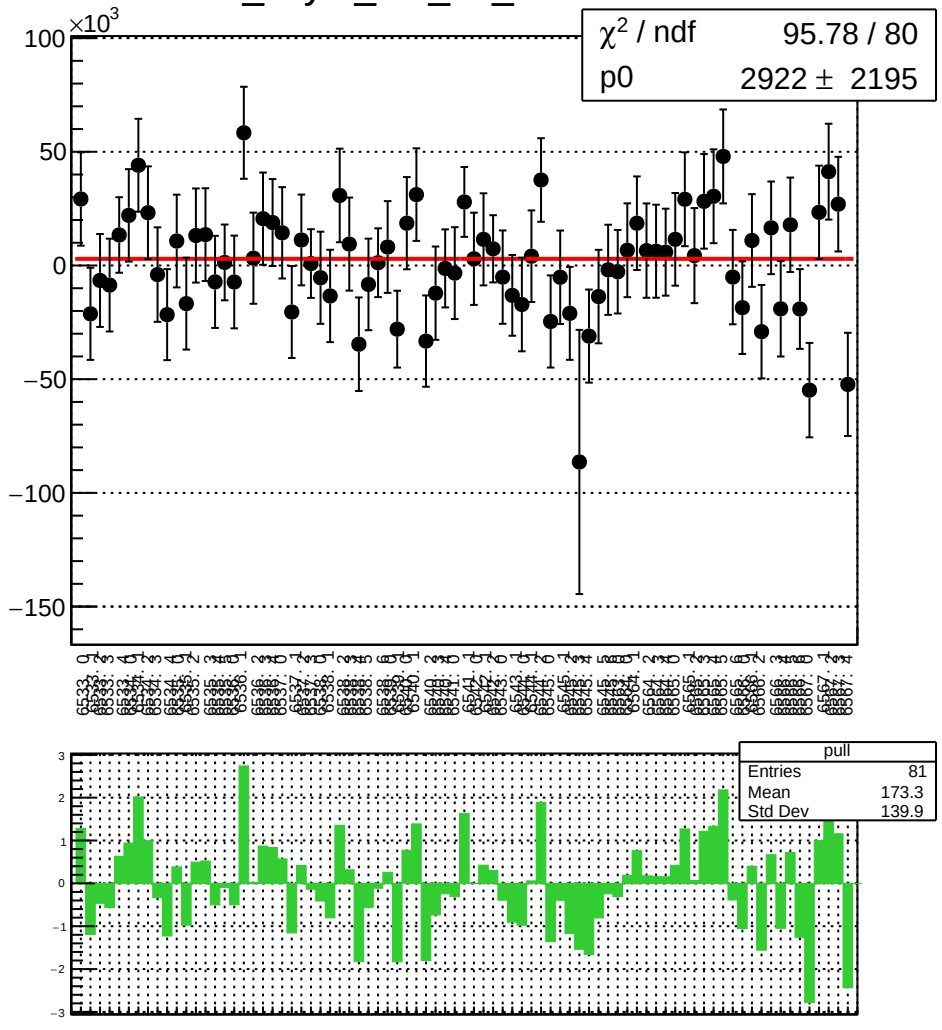

pull1D
Entries 81
Mean 0.01123
Std Dev 0.9645

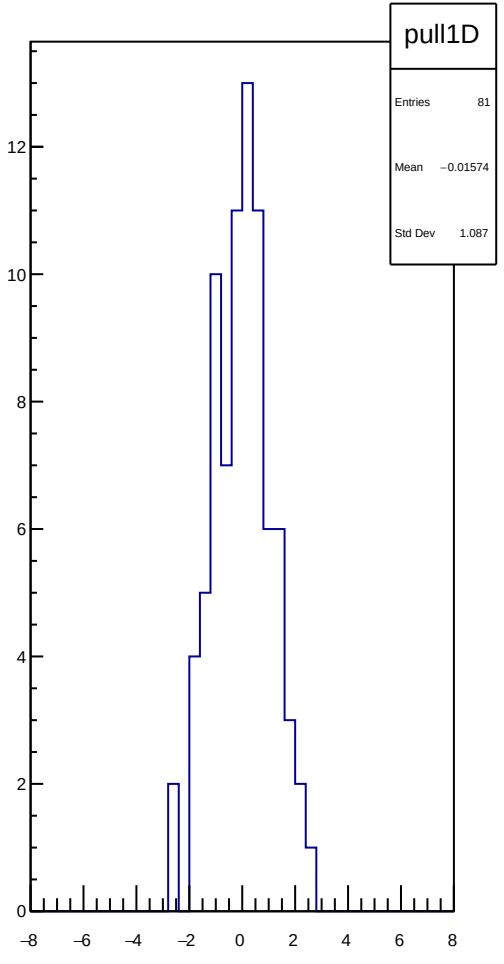

asym_at2_avg_correction_rms vs run
χ² / ndf 7086 / 80
p0 1.057e+04 ± 8.391
13500
13000
12500
12000
11500
11000
10500
10000
9500

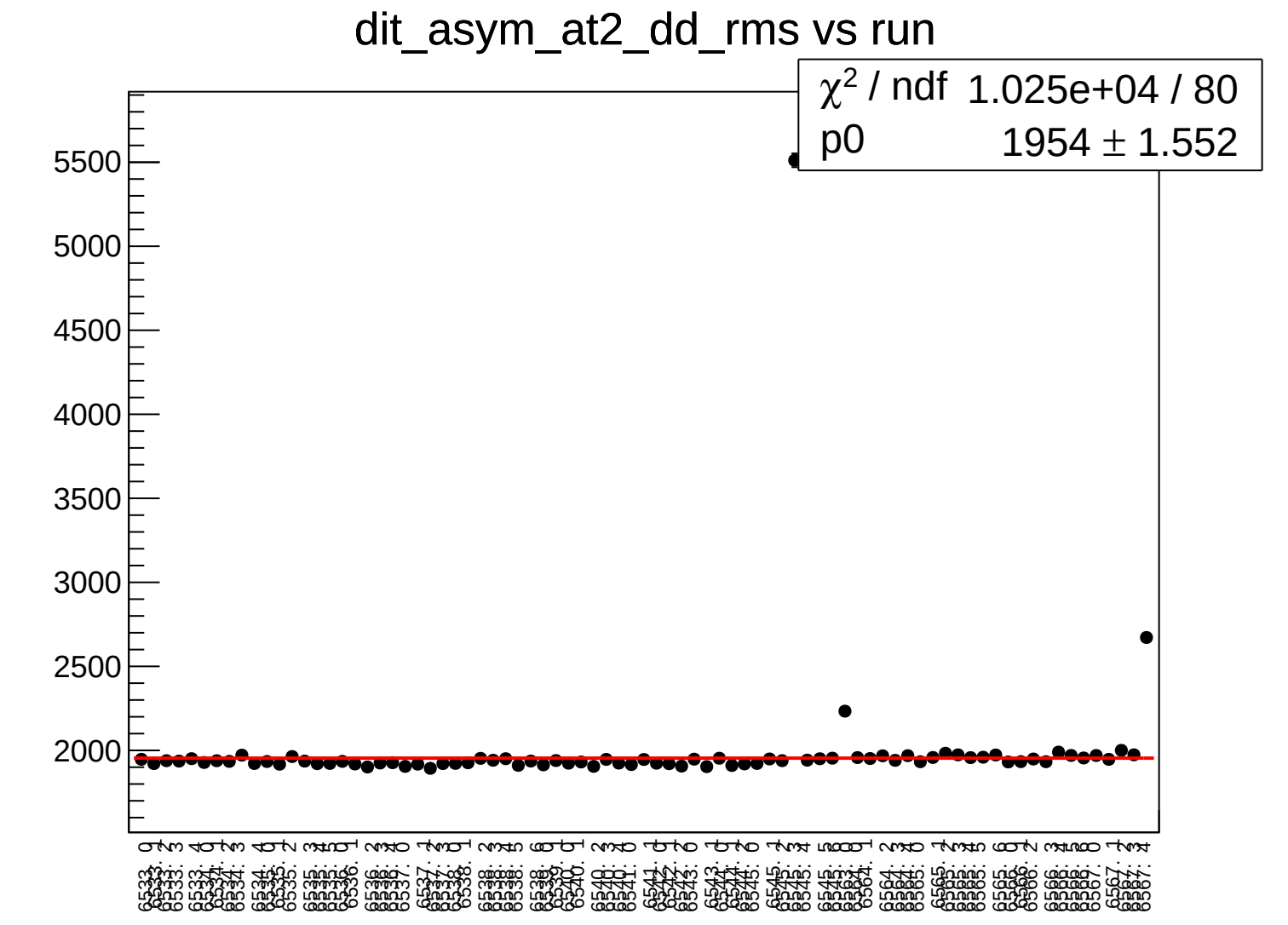

asym_at2_avg_mean vs run
×10^3
χ² / ndf 75.91 / 80
p0 −1.114e+04 ± 1.21e+04
pull
Entries 81
Mean −219.3
Std Dev 259.1

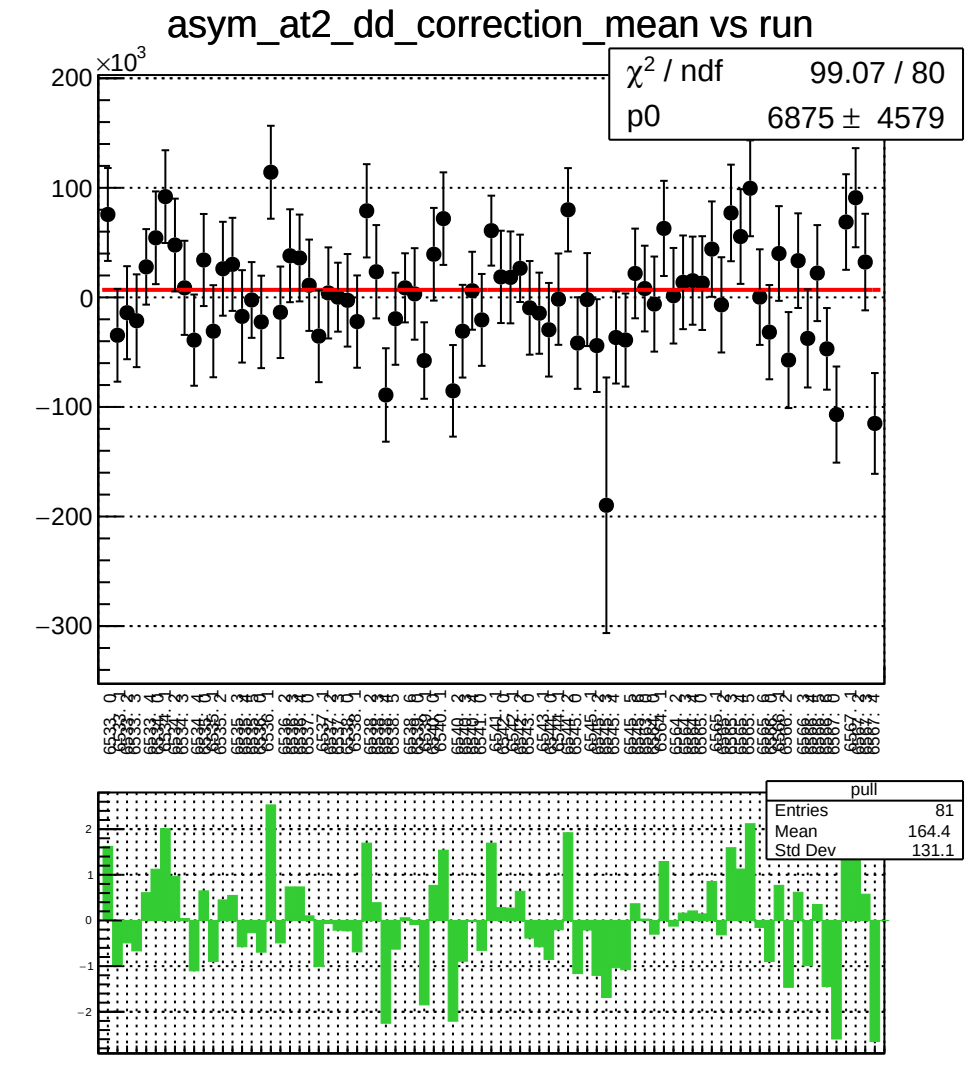

pull1D
Entries 81
Mean −0.008317
Std Dev 0.968

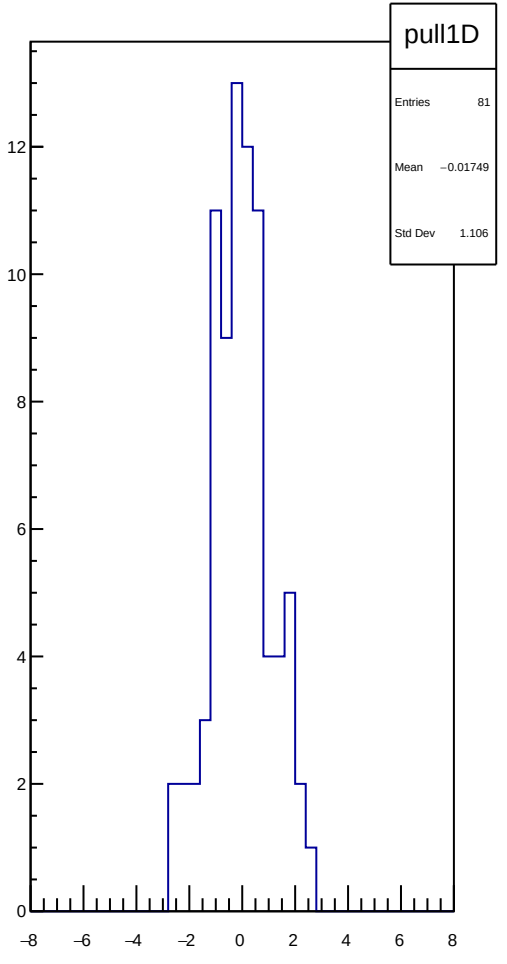

asym_at2_avg_rms vs run
χ² / ndf 6893 / 80
p0 1.078e+04 ± 8.553
13500
13000
12500
12000
11500
11000
10500
10000
9500

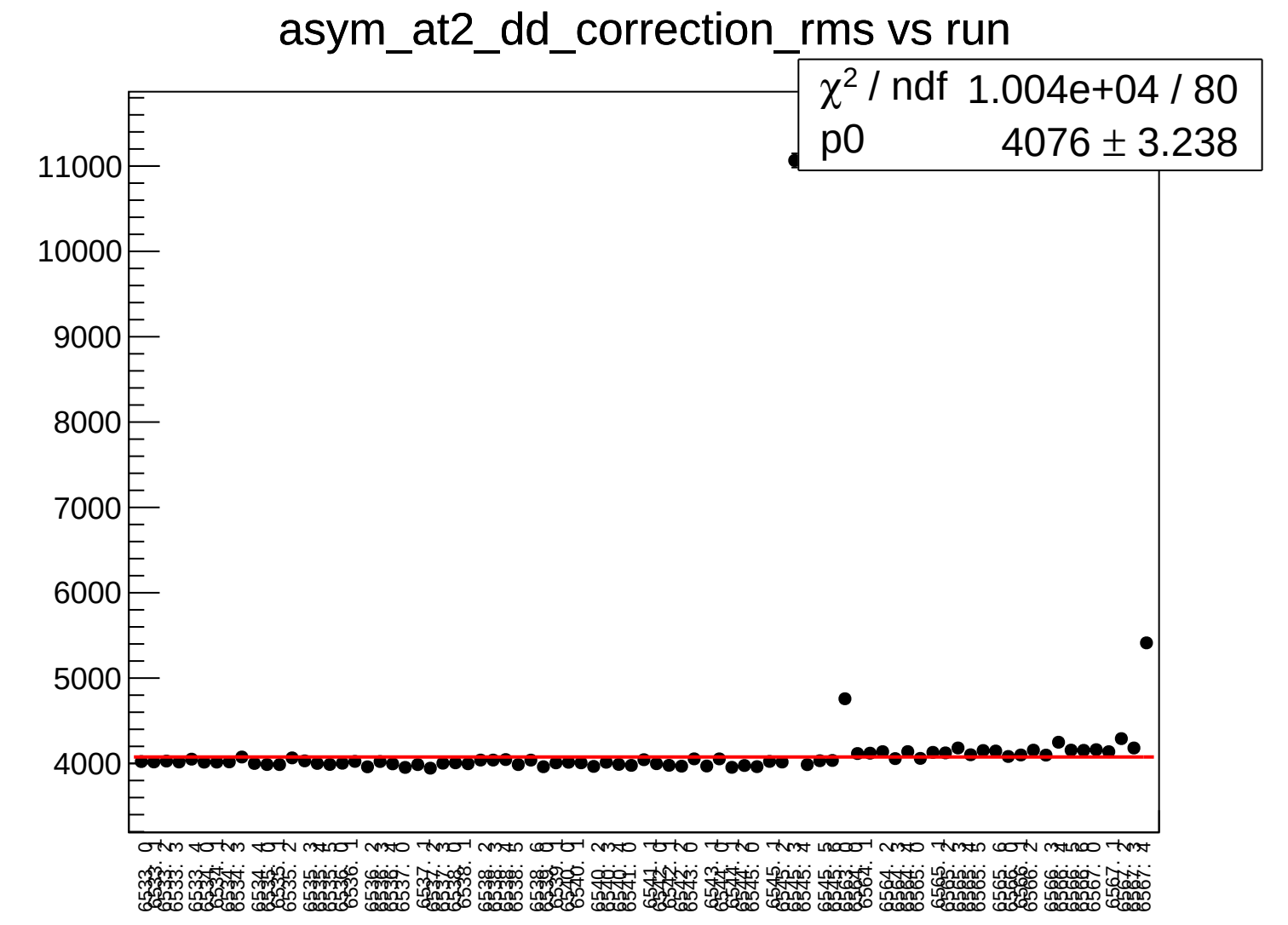

dit_asym_at2_dd_mean vs run
χ² / ndf 95.78 / 80
p0 2922 ± 2195
×10³
pull
Entries 81
Mean 173.3
Std Dev 139.9

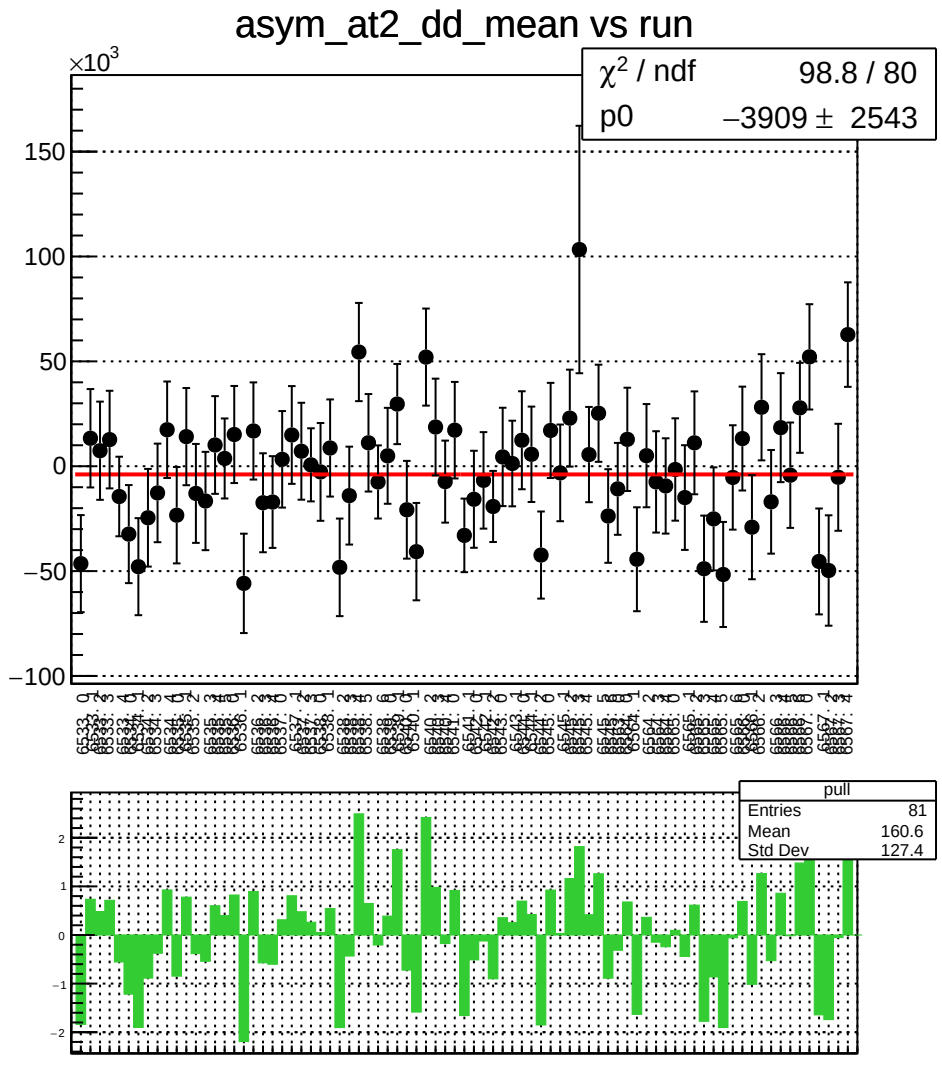

pull1D
Entries 81
Mean −0.01574
Std Dev 1.087

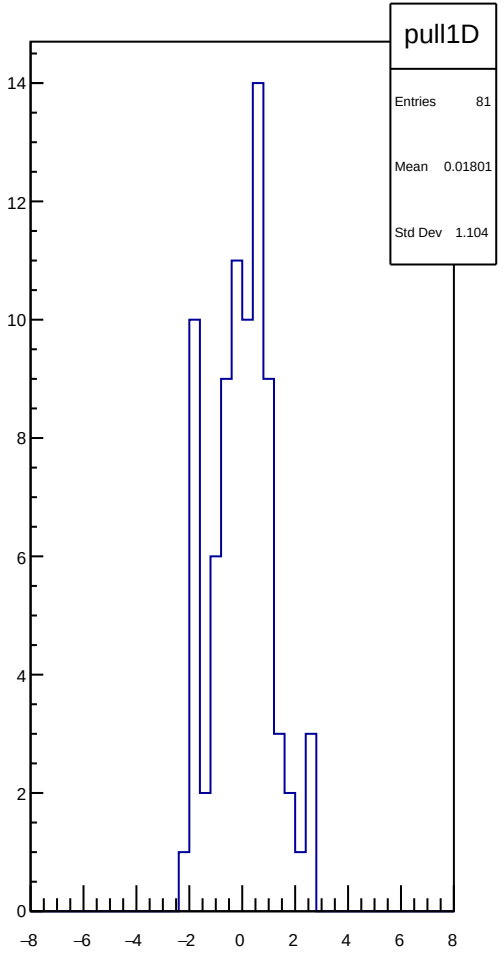

dit_asym_at2_dd_rms vs run
χ^2 / ndf 1.025e+04 / 80
p0 1954 ± 1.552
5500
5000
4500
4000
3500
3000
2500
2000

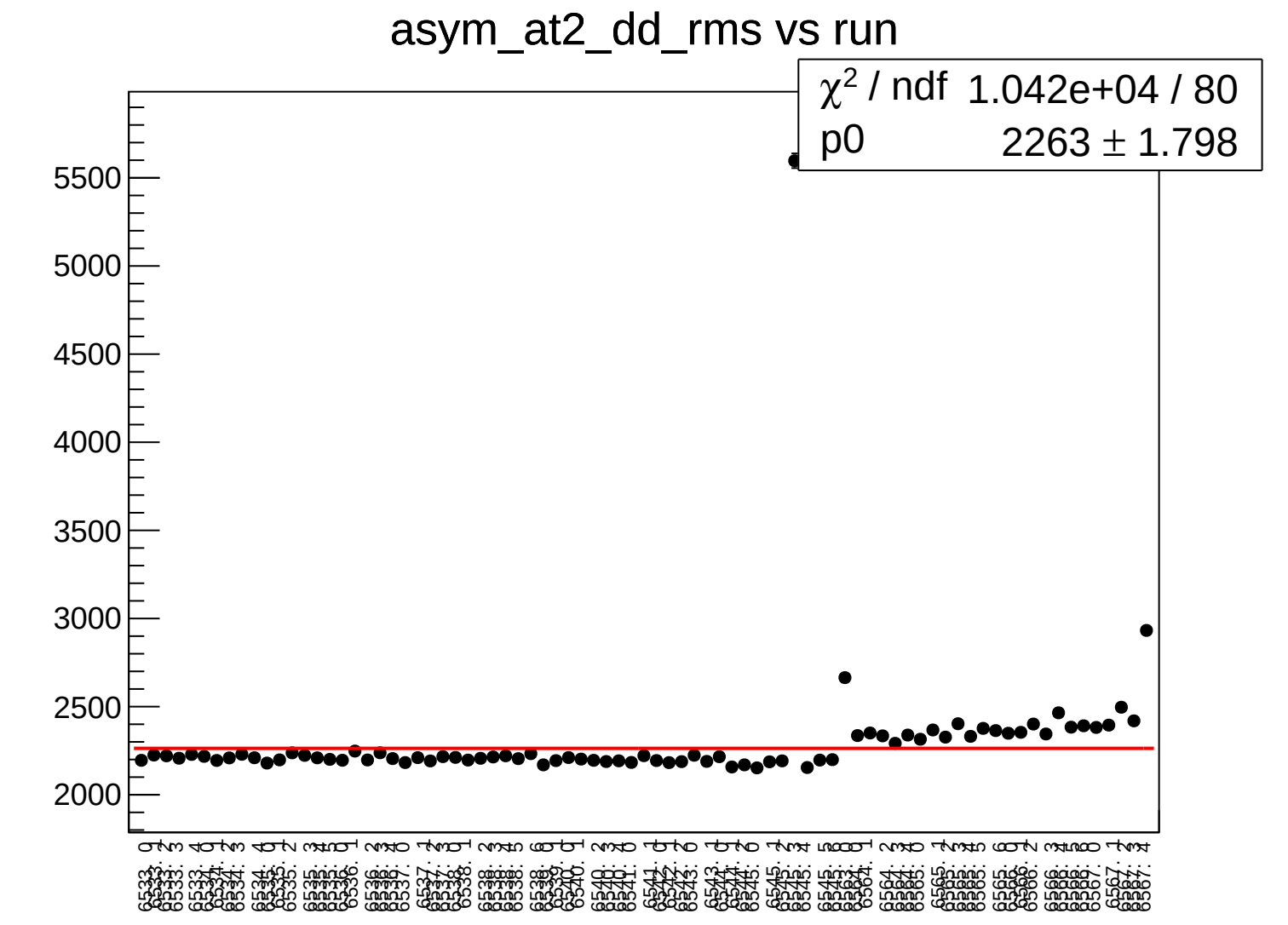

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 99.07 / 80
p0 6875 ± 4579
pull
Entries 81
Mean 164.4
Std Dev 131.1

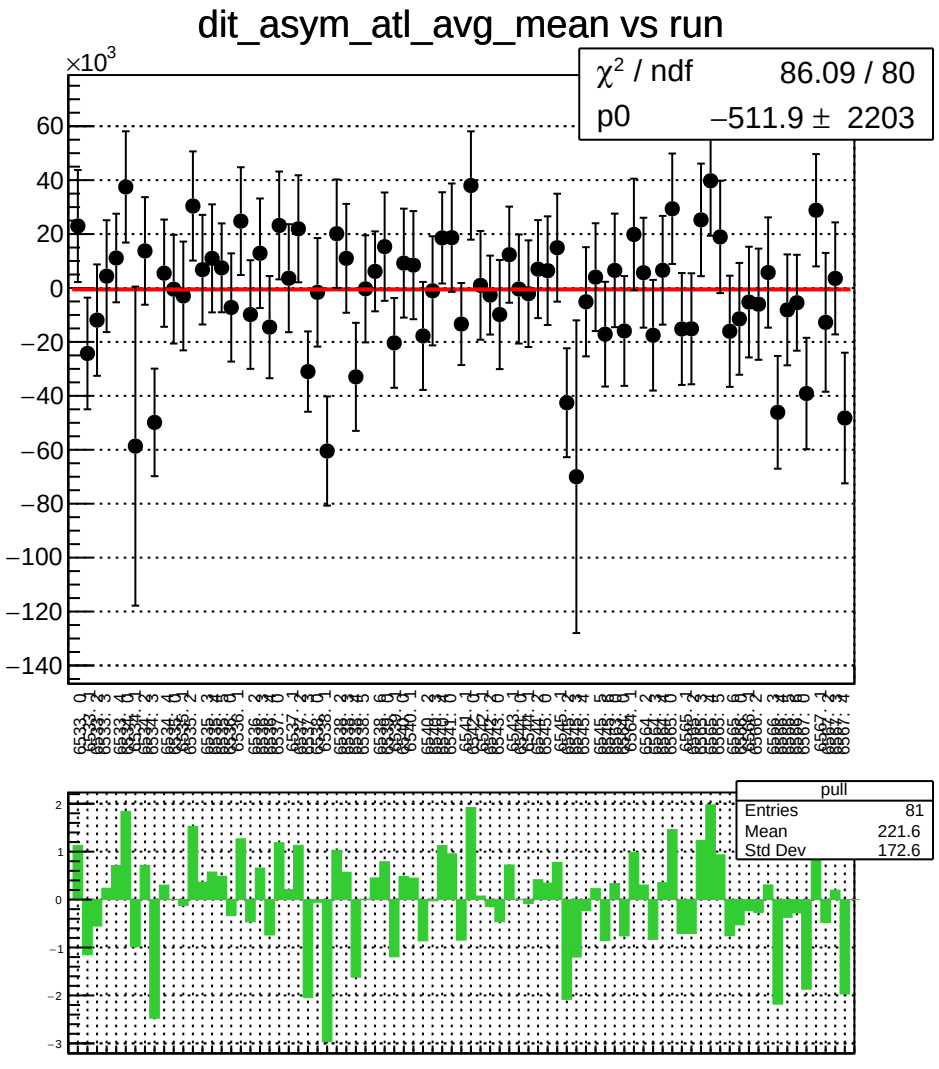

pull1D
Entries 81
Mean −0.01749
Std Dev 1.106

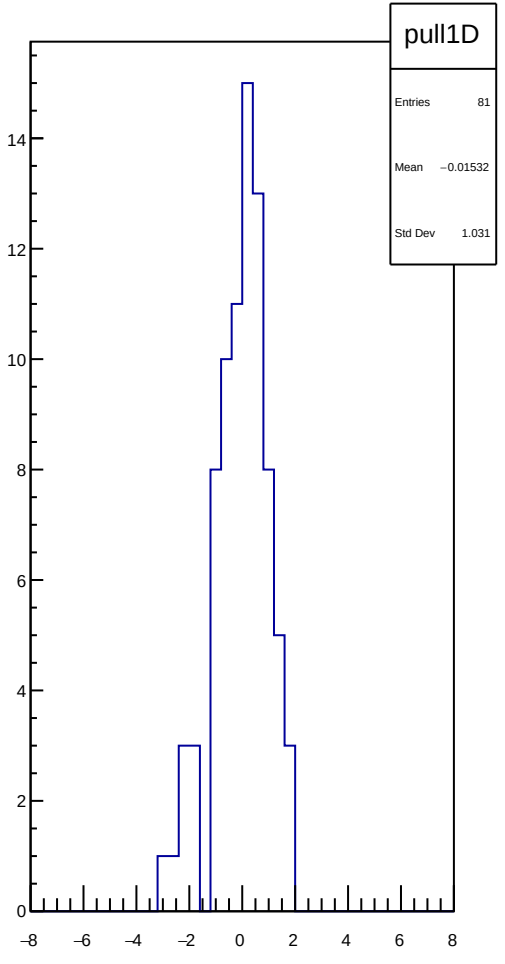

asym_at2_dd_correction_rms vs run
χ² / ndf 1.004e+04 / 80
p0 4076 ± 3.238
11000
10000
9000
8000
7000
6000
5000
4000

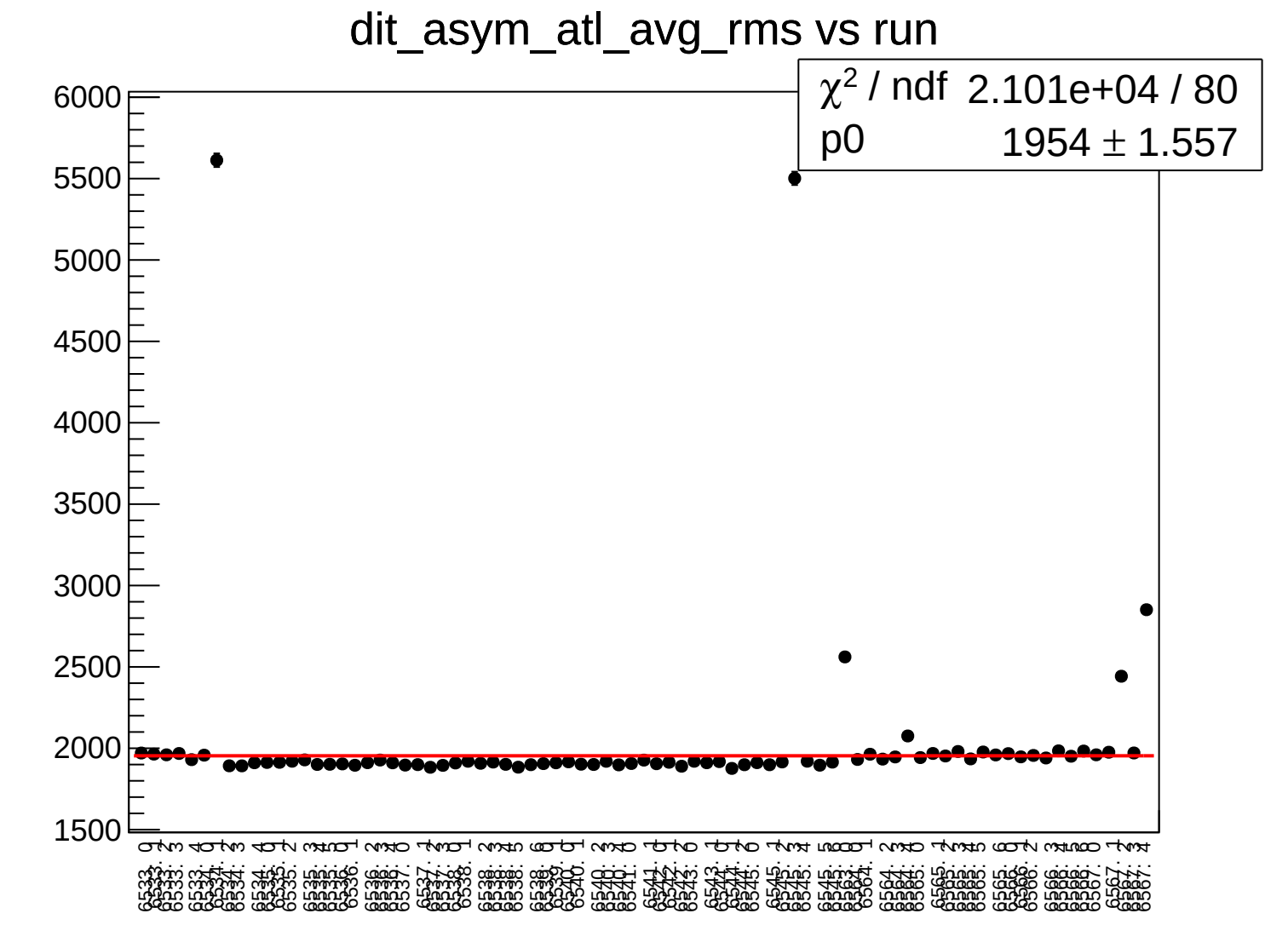

asym_at2_dd_mean vs run
×10^3
χ² / ndf 98.8 / 80
p0 −3909 ± 2543
150
100
50
0
−50
−100
pull
Entries 81
Mean 160.6
Std Dev 127.4
2
1
0
−1
−2

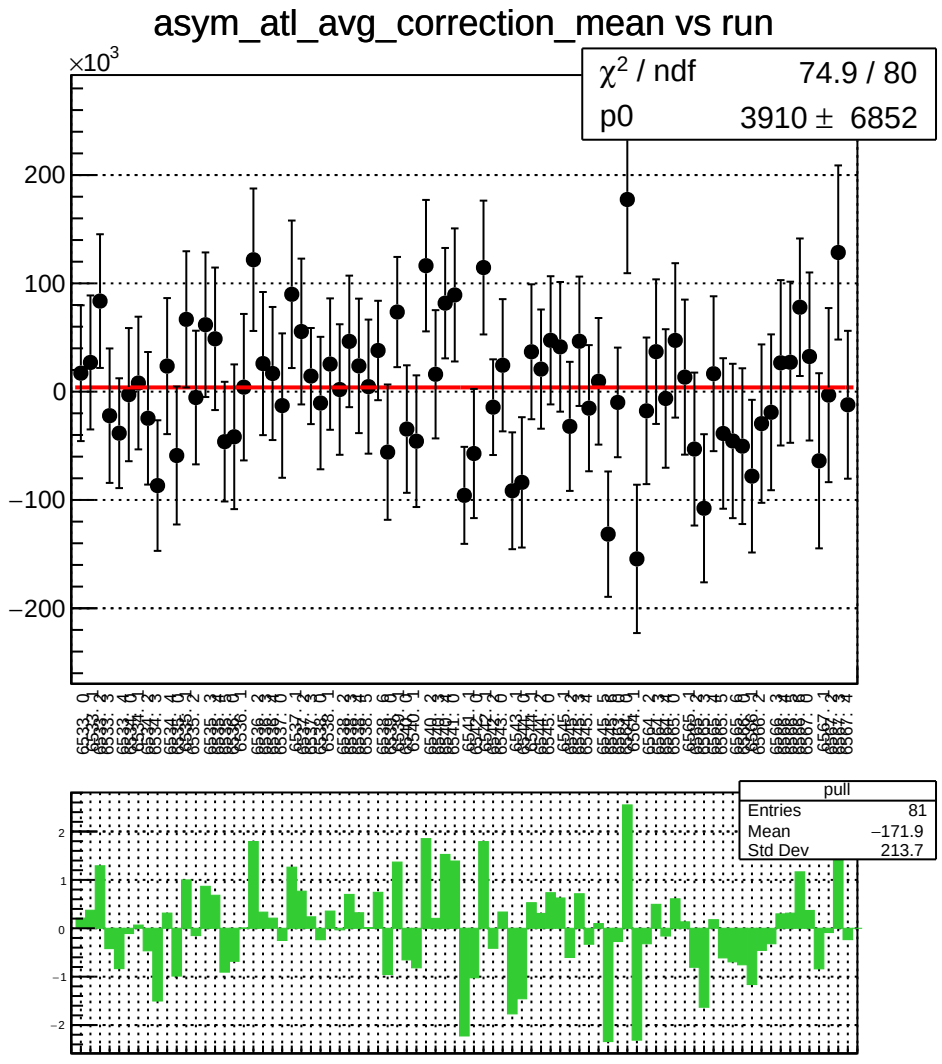

pull1D
Entries 81
Mean 0.01801
Std Dev 1.104
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

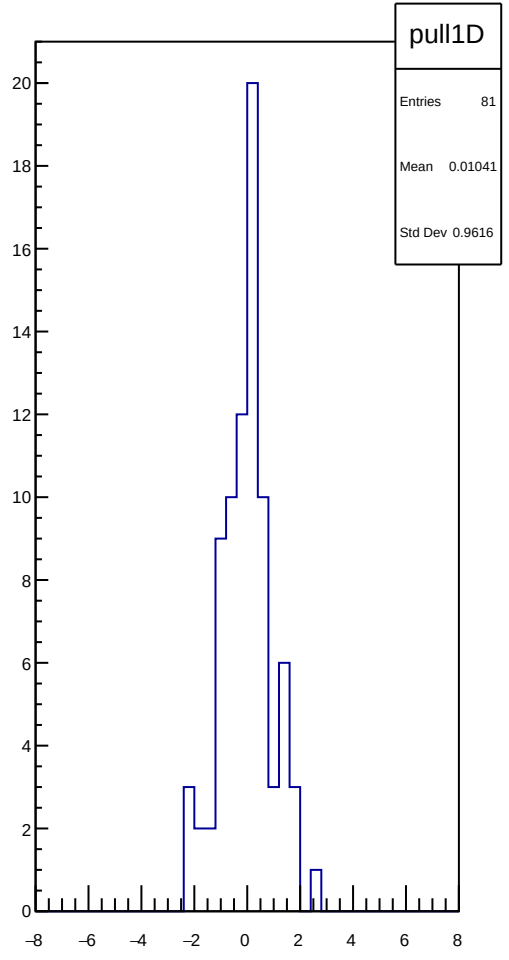

asym_at2_dd_rms vs run
χ^2 / ndf 1.042e+04 / 80
p0 2263 ± 1.798
5500
5000
4500
4000
3500
3000
2500
2000

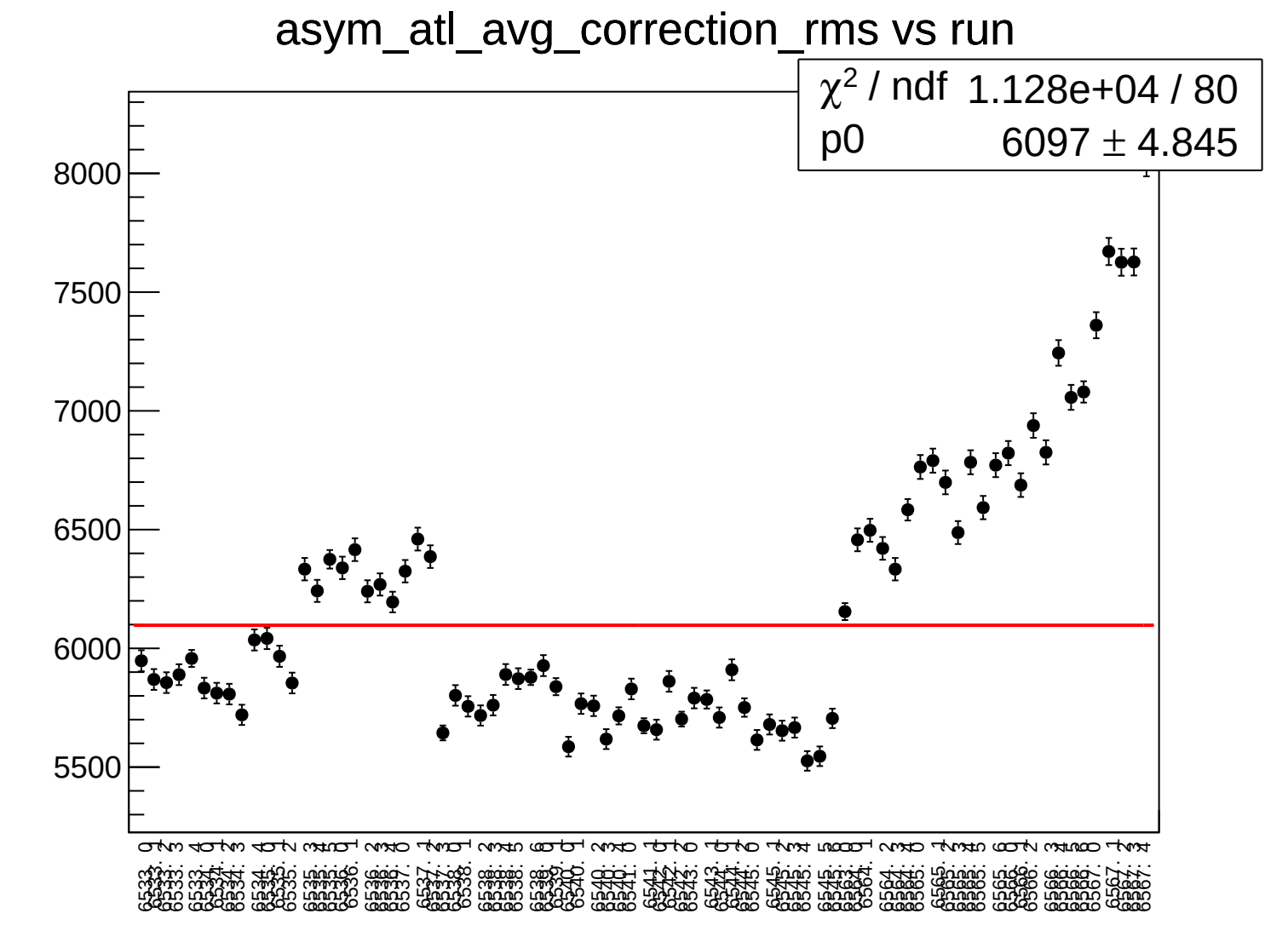

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 86.09 / 80
p0 −511.9 ± 2203
pull
Entries 81
Mean 221.6
Std Dev 172.6

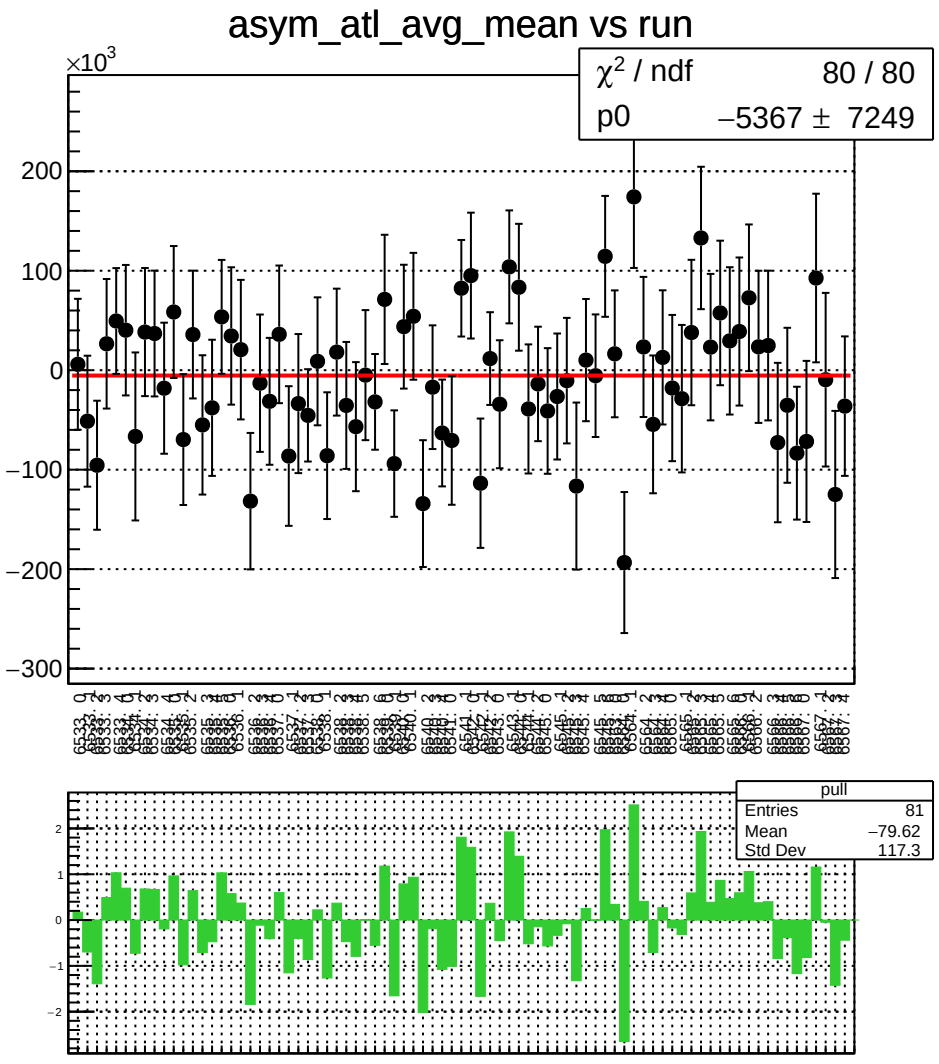

pull1D
Entries 81
Mean −0.01532
Std Dev 1.031

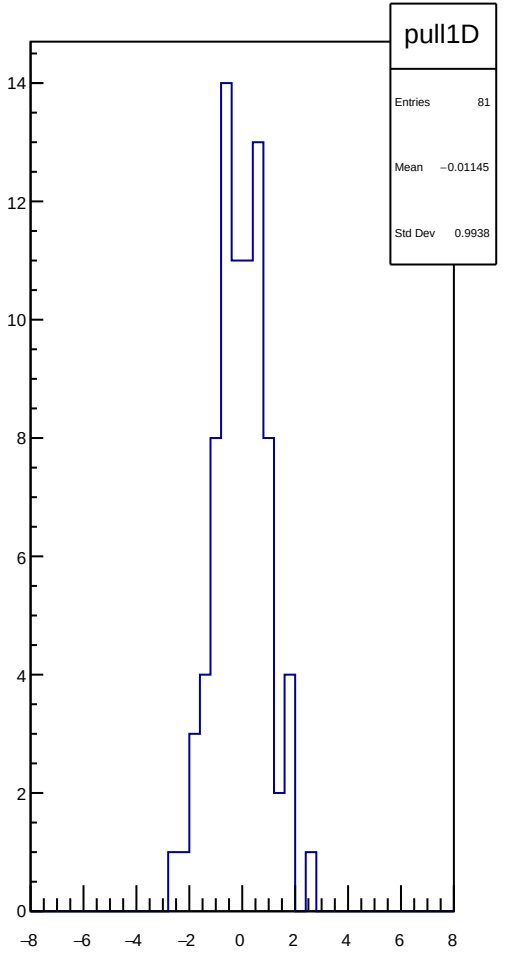

dit_asym_atl_avg_rms vs run
χ² / ndf 2.101e+04 / 80
p0 1954 ± 1.557
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

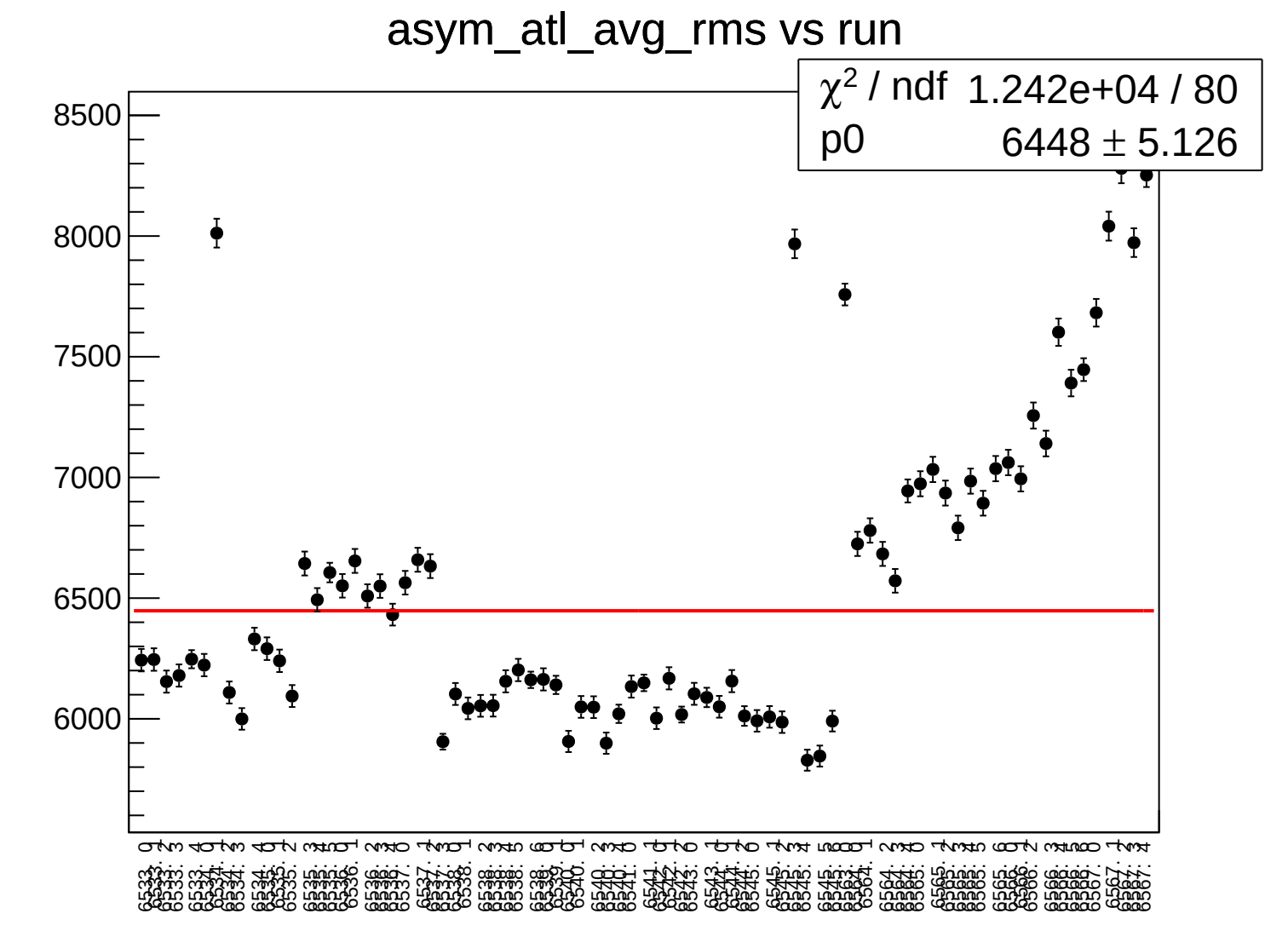

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 74.9 / 80
p0 3910 ± 6852
200
100
0
−100
−200
pull
Entries 81
Mean −171.9
Std Dev 213.7
2
1
0
−1
−2

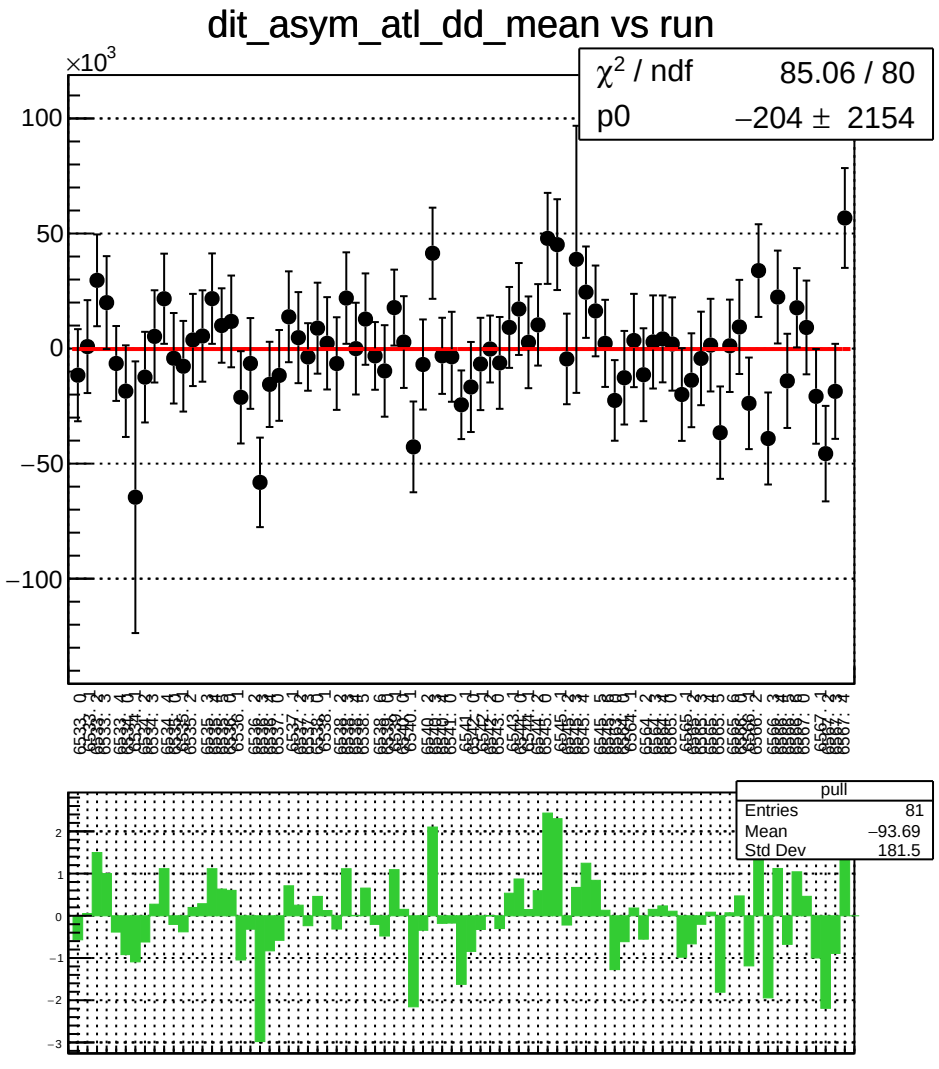

pull1D
Entries 81
Mean 0.01041
Std Dev 0.9616
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

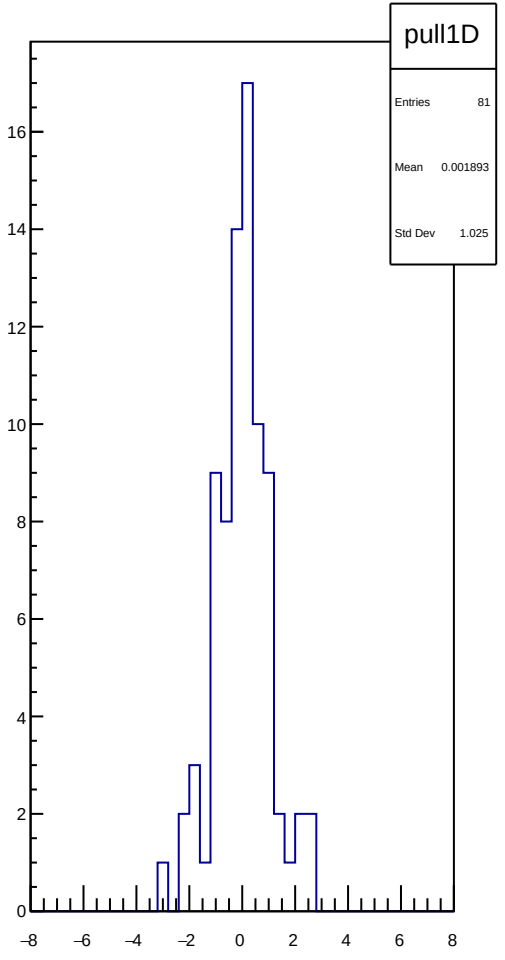

asym_atl_avg_correction_rms vs run
χ² / ndf 1.128e+04 / 80
p0 6097 ± 4.845
8000
7500
7000
6500
6000
5500

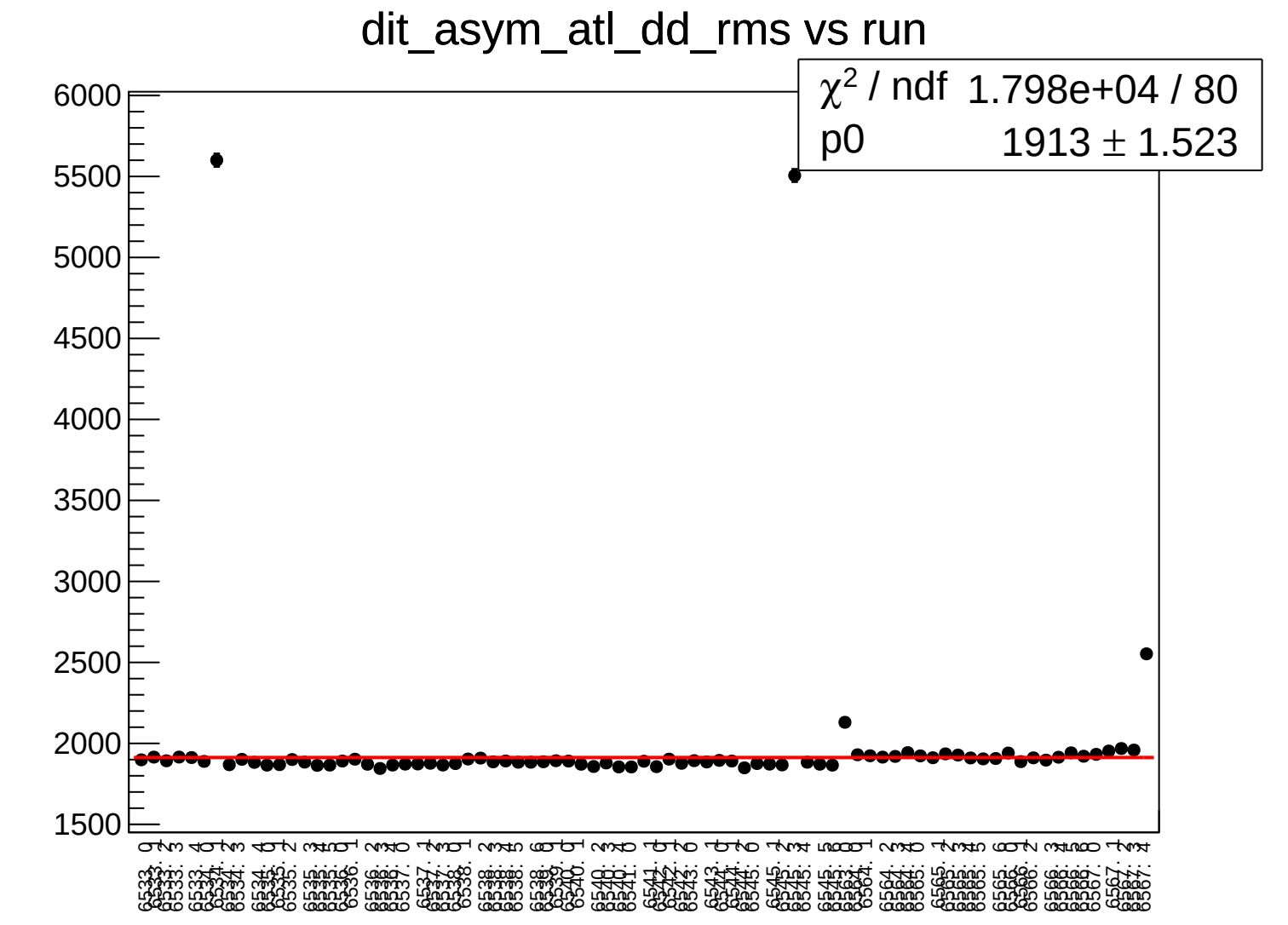

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 80 / 80
p0 −5367 ± 7249
200
100
0
−100
−200
−300
pull
Entries 81
Mean −79.62
Std Dev 117.3
2
1
0
−1
−2

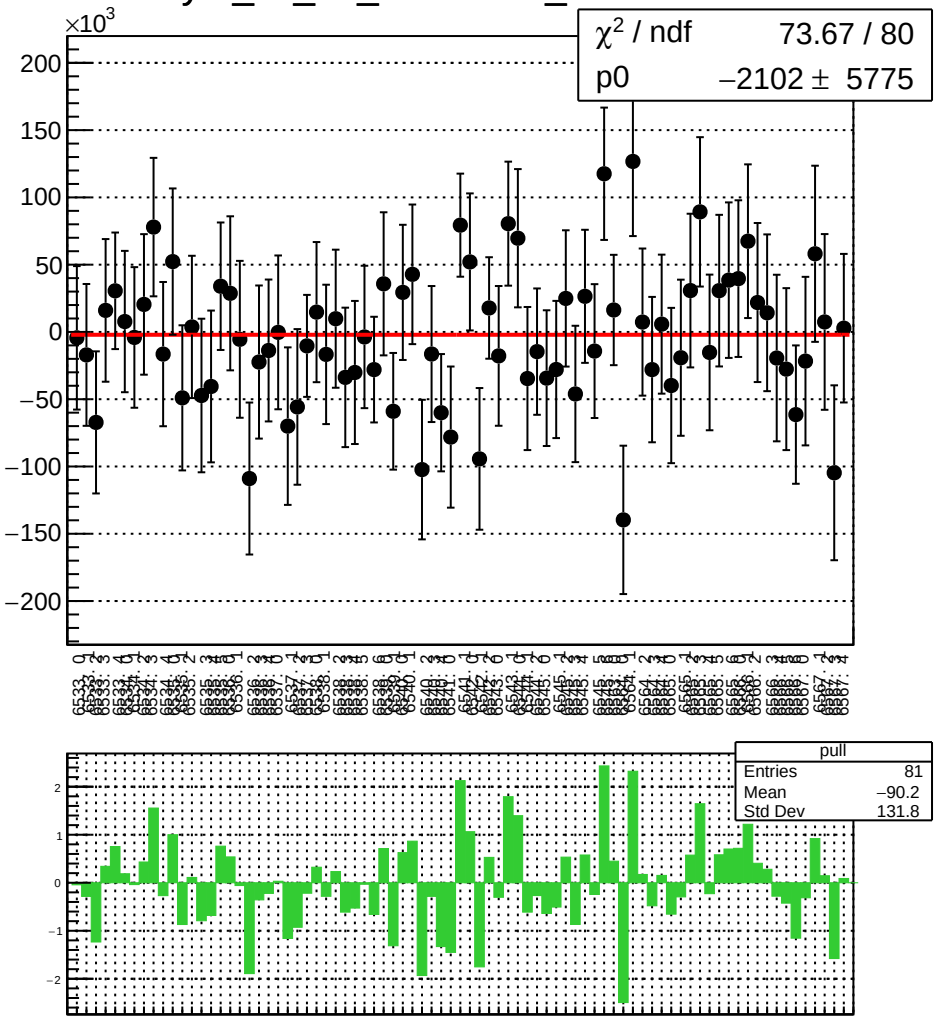

pull1D
Entries 81
Mean −0.01145
Std Dev 0.9938
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

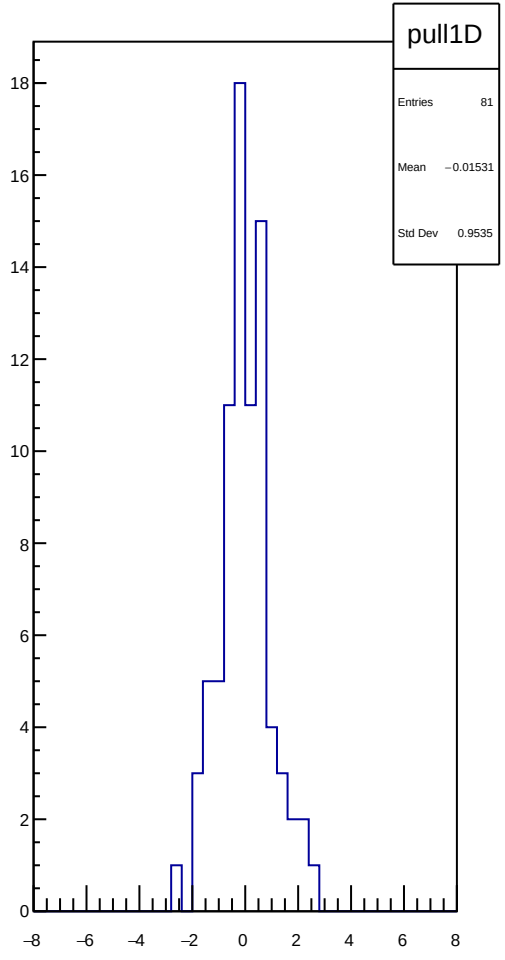

asym_atl_avg_rms vs run
χ² / ndf 1.242e+04 / 80
p0 6448 ± 5.126
8500
8000
7500
7000
6500
6000

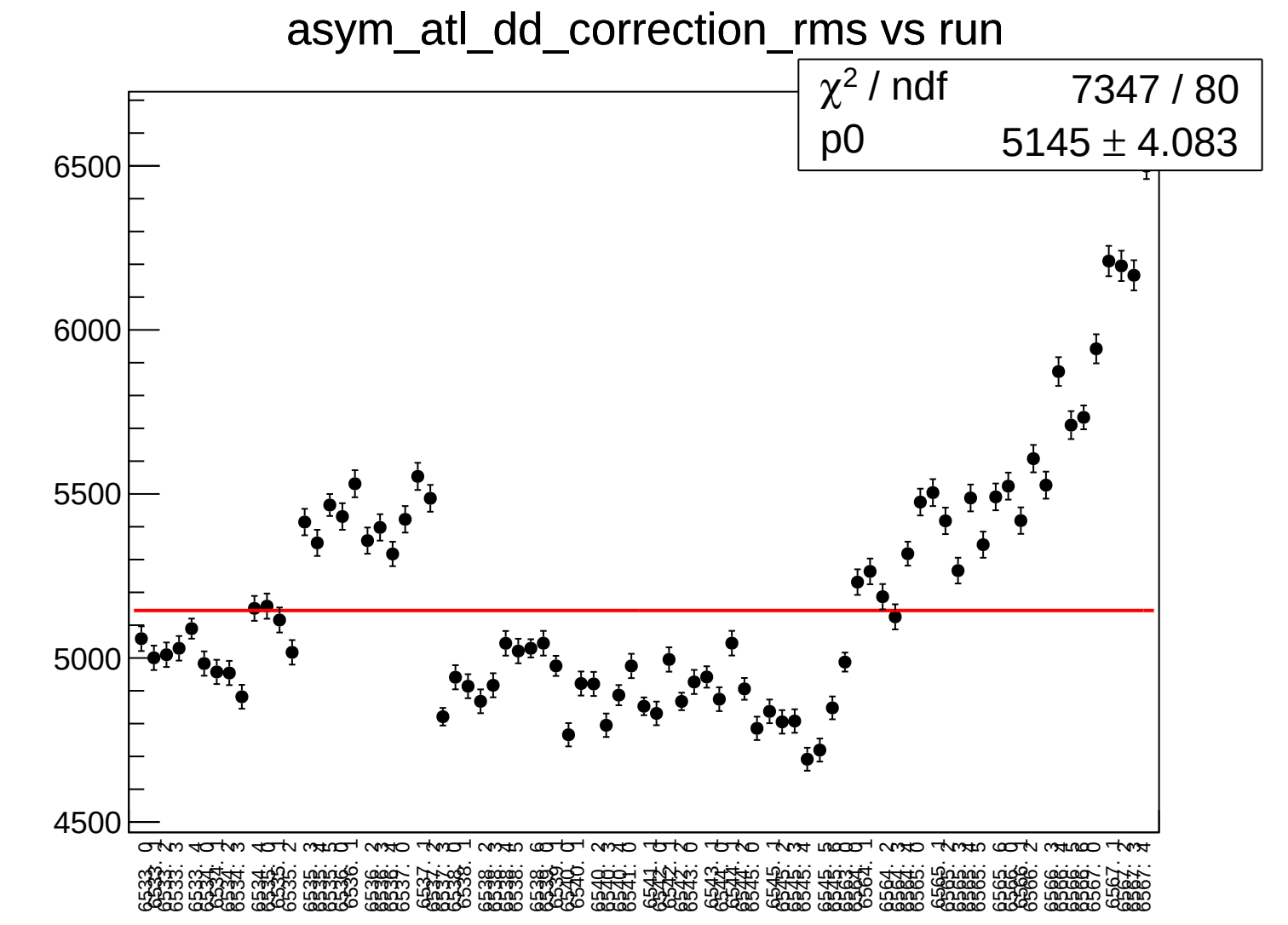

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 85.06 / 80
p0 −204 ± 2154
pull
Entries 81
Mean −93.69
Std Dev 181.5

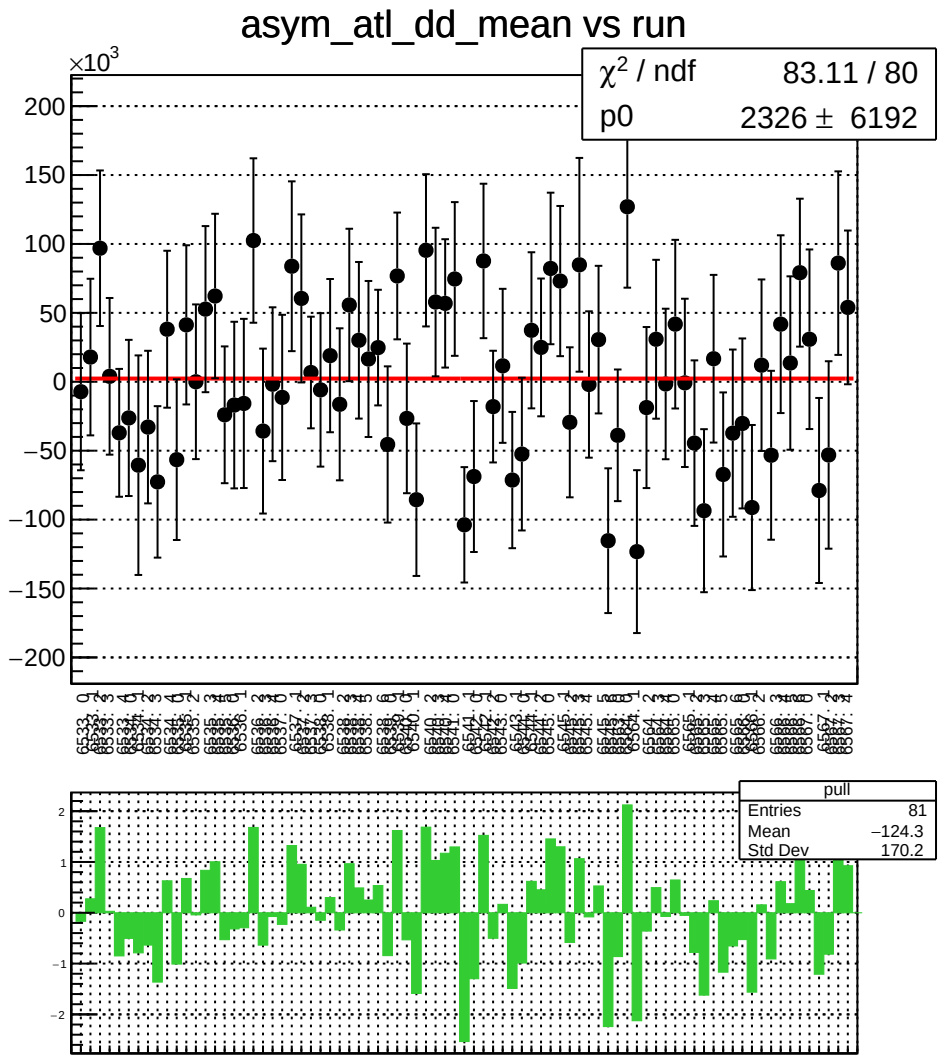

pull1D
Entries 81
Mean 0.001893
Std Dev 1.025

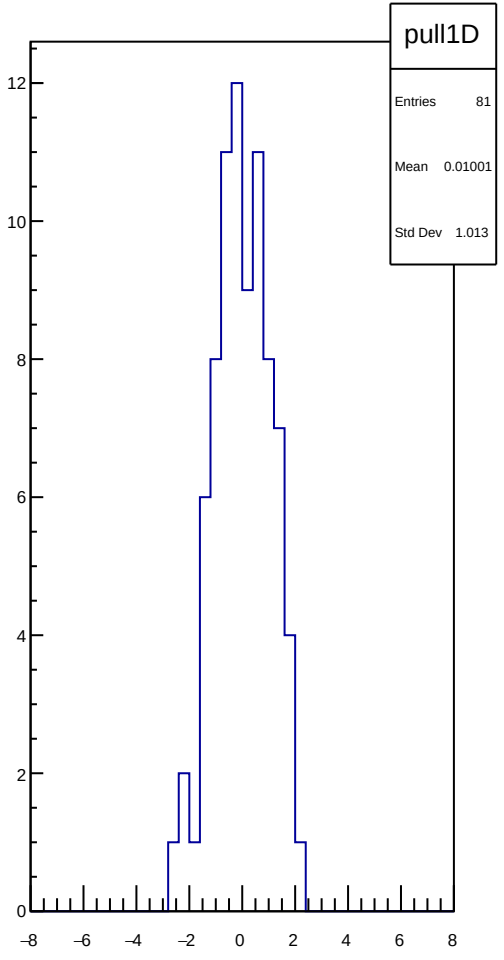

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1.798e+04 / 80
p0 1913 ± 1.523
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

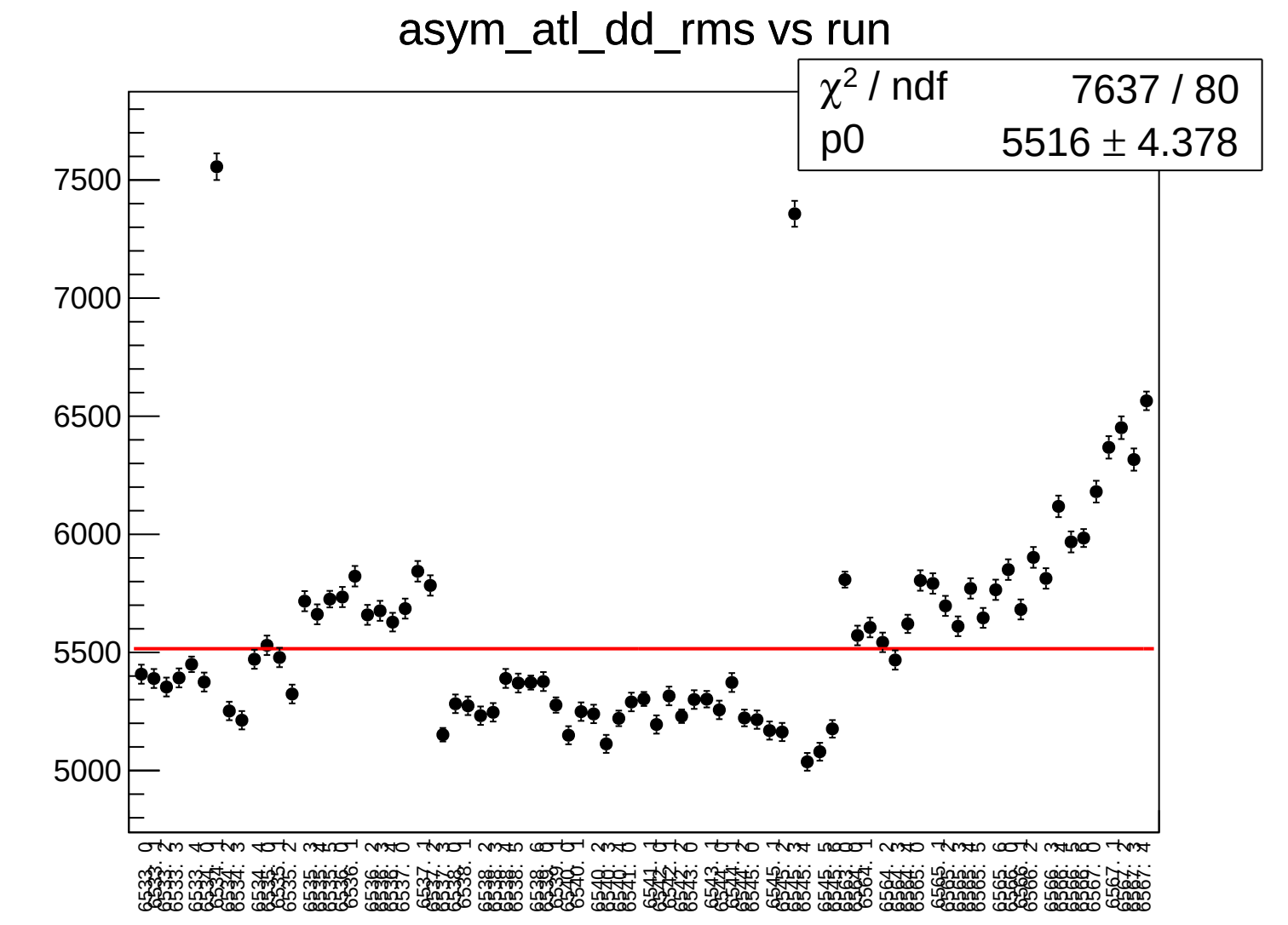

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 73.67 / 80
p0 −2102 ± 5775
pull
Entries 81
Mean −90.2
Std Dev 131.8

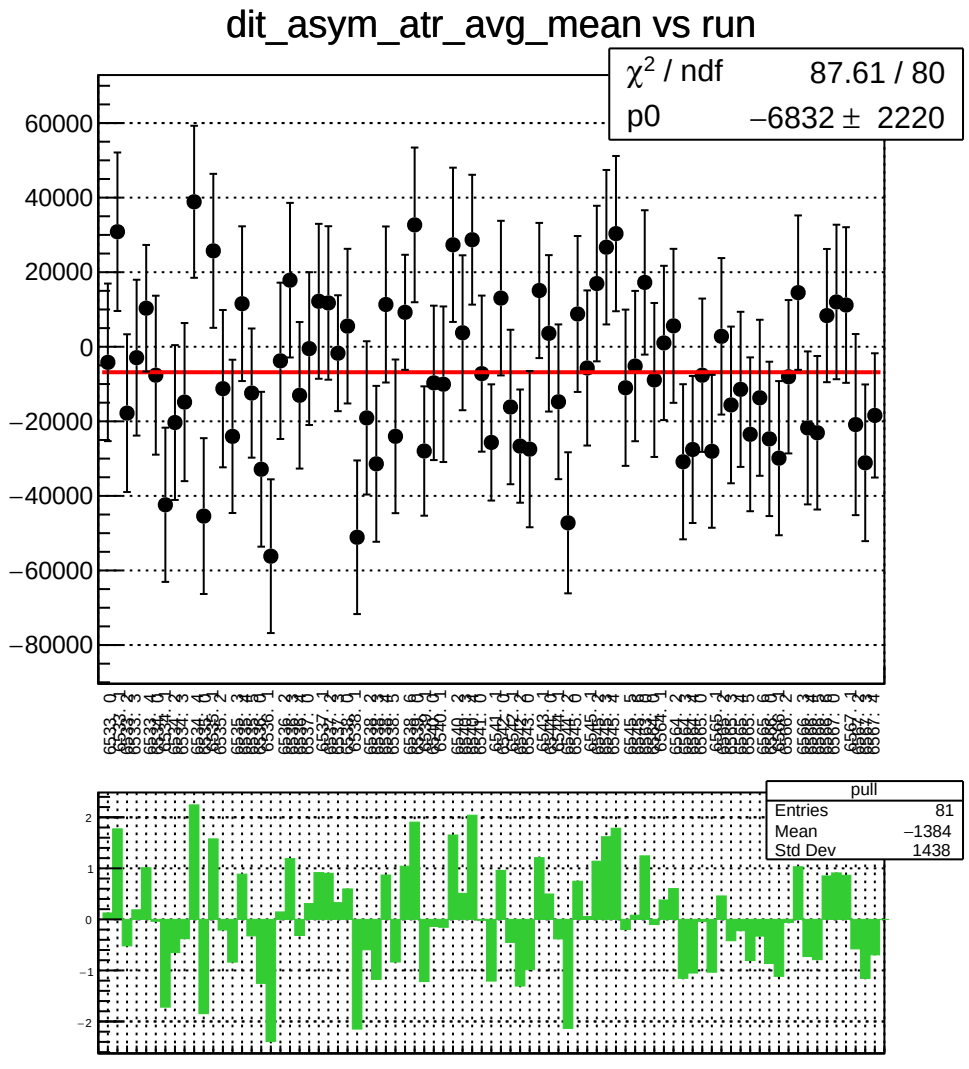

pull1D
Entries 81
Mean −0.01531
Std Dev 0.9535

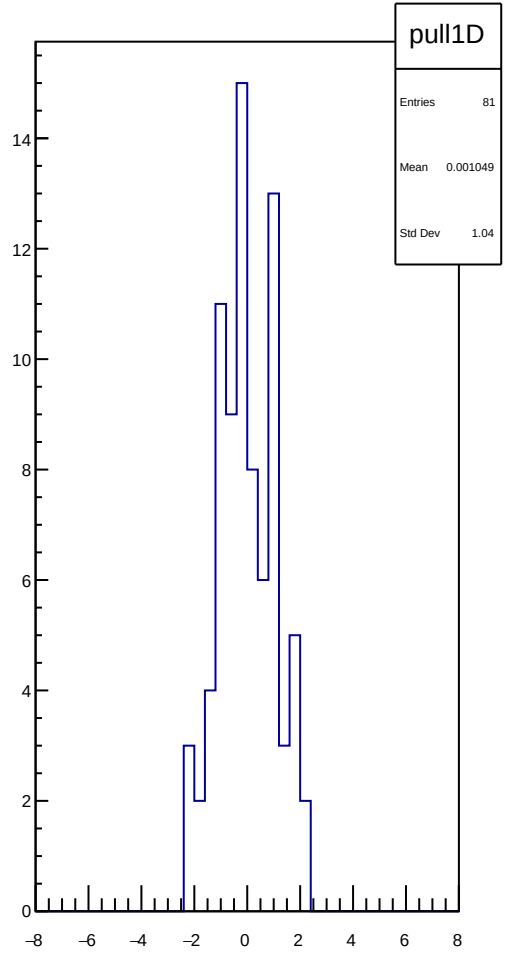

asym_atl_dd_correction_rms vs run
χ² / ndf 7347 / 80
p0 5145 ± 4.083
6500
6000
5500
5000
4500

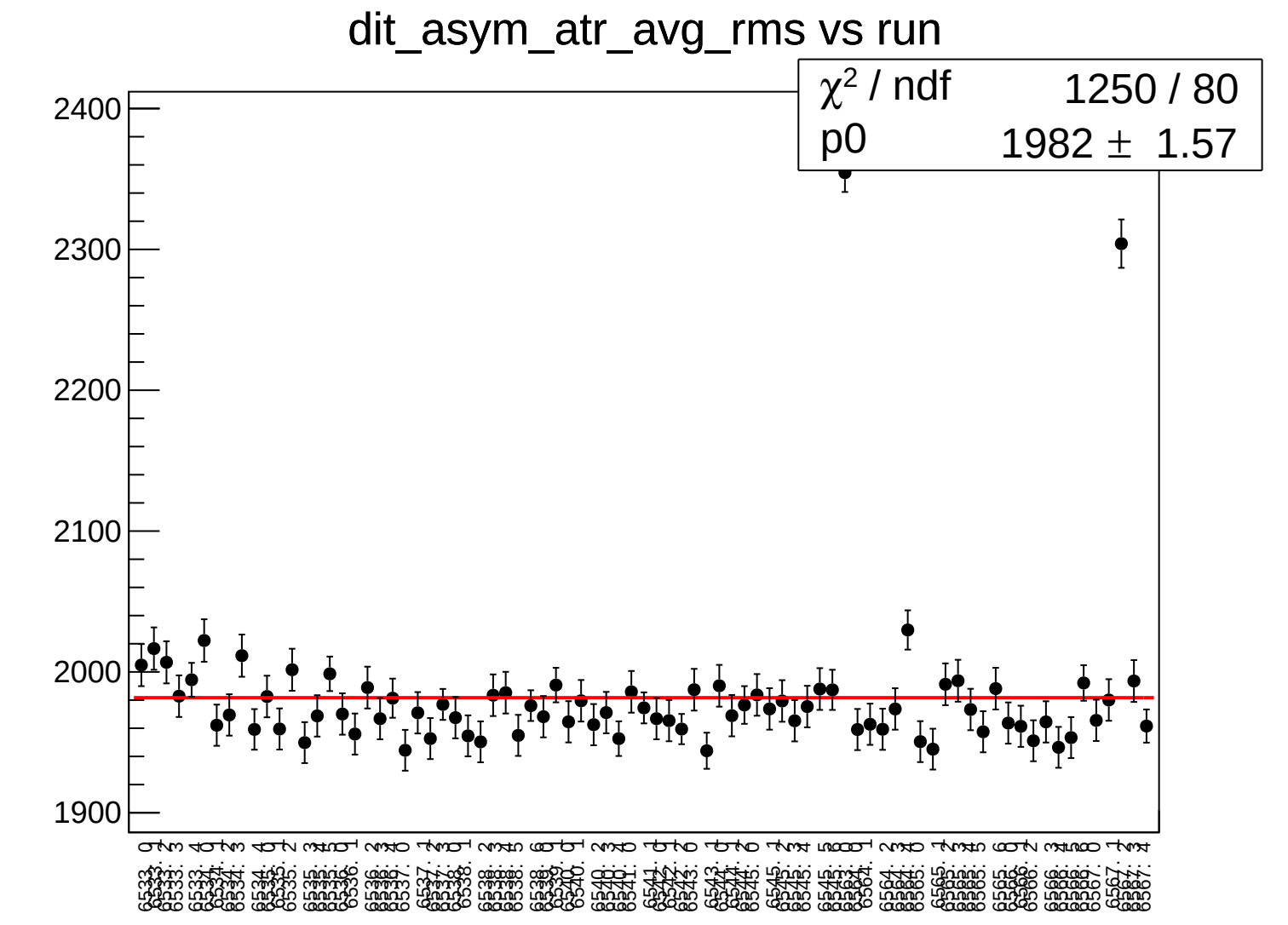

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 83.11 / 80
p0 2326 ± 6192
pull
Entries 81
Mean −124.3
Std Dev 170.2

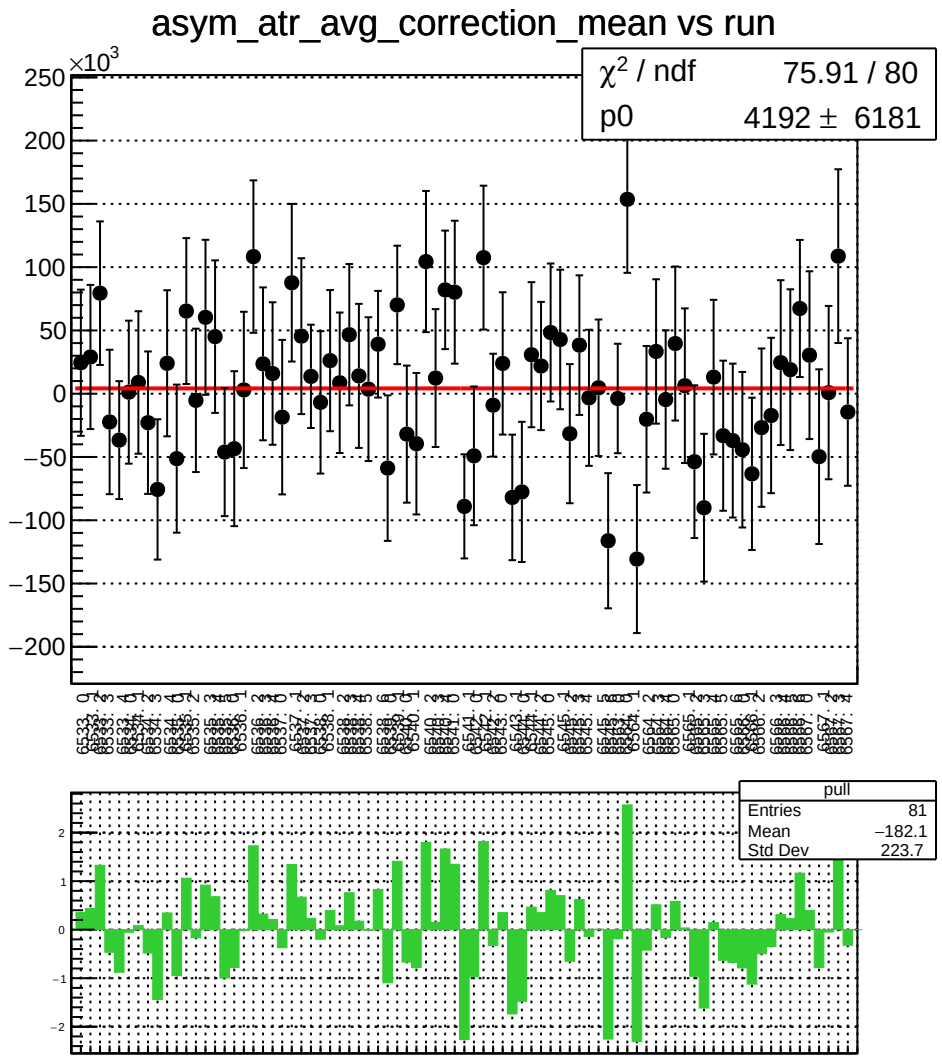

pull1D
Entries 81
Mean 0.01001
Std Dev 1.013

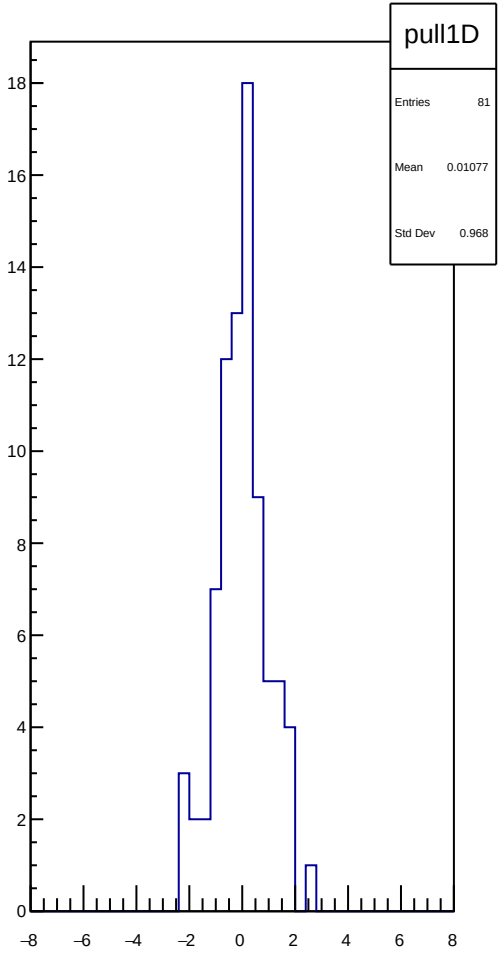

asym_atl_dd_rms vs run
χ² / ndf 7637 / 80
p0 5516 ± 4.378
7500
7000
6500
6000
5500
5000

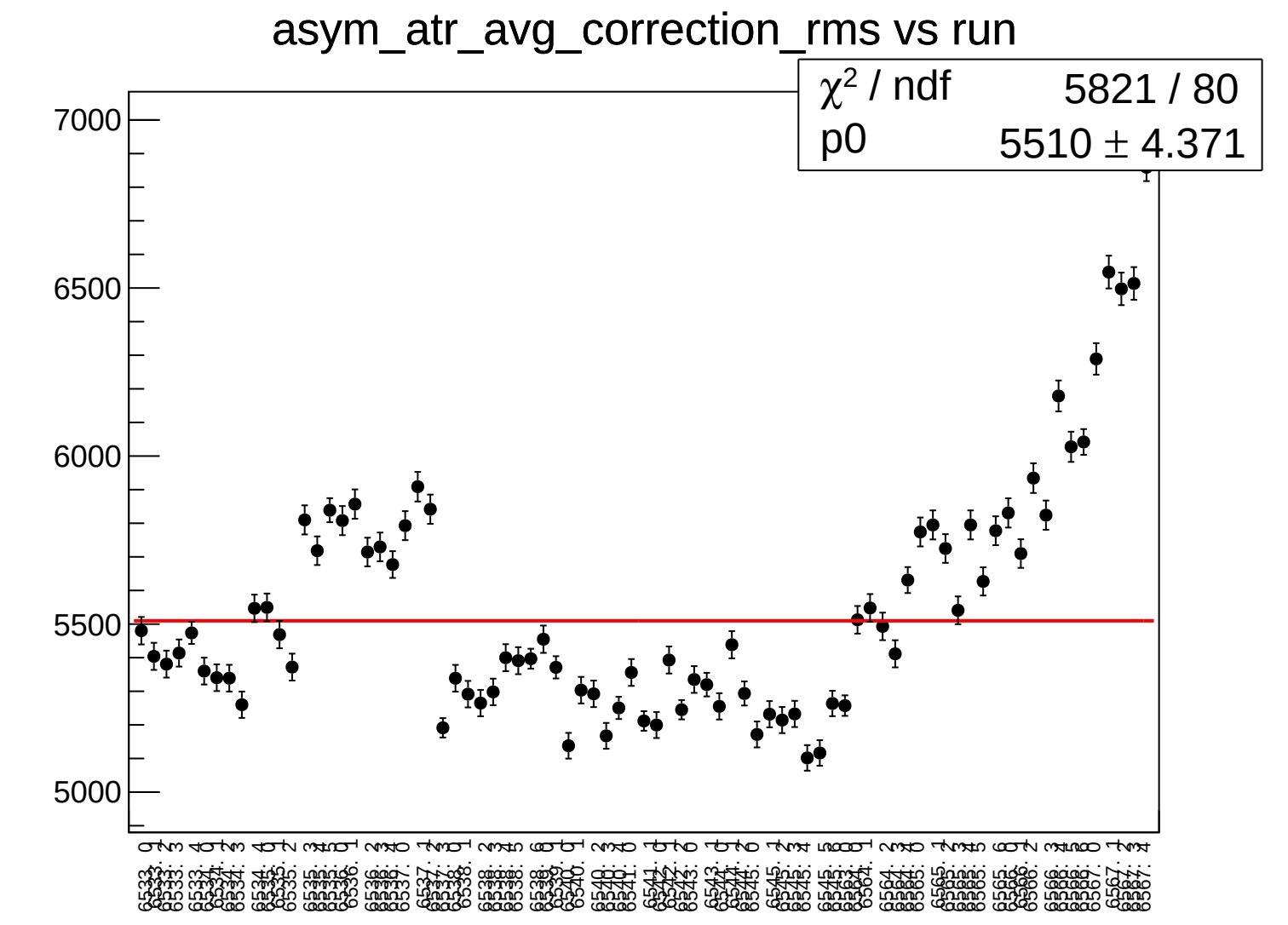

dit_asym_atr_avg_mean vs run
χ² / ndf 87.61 / 80
p0 −6832 ± 2220
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean −1384
Std Dev 1438
2
1
0
−1
−2

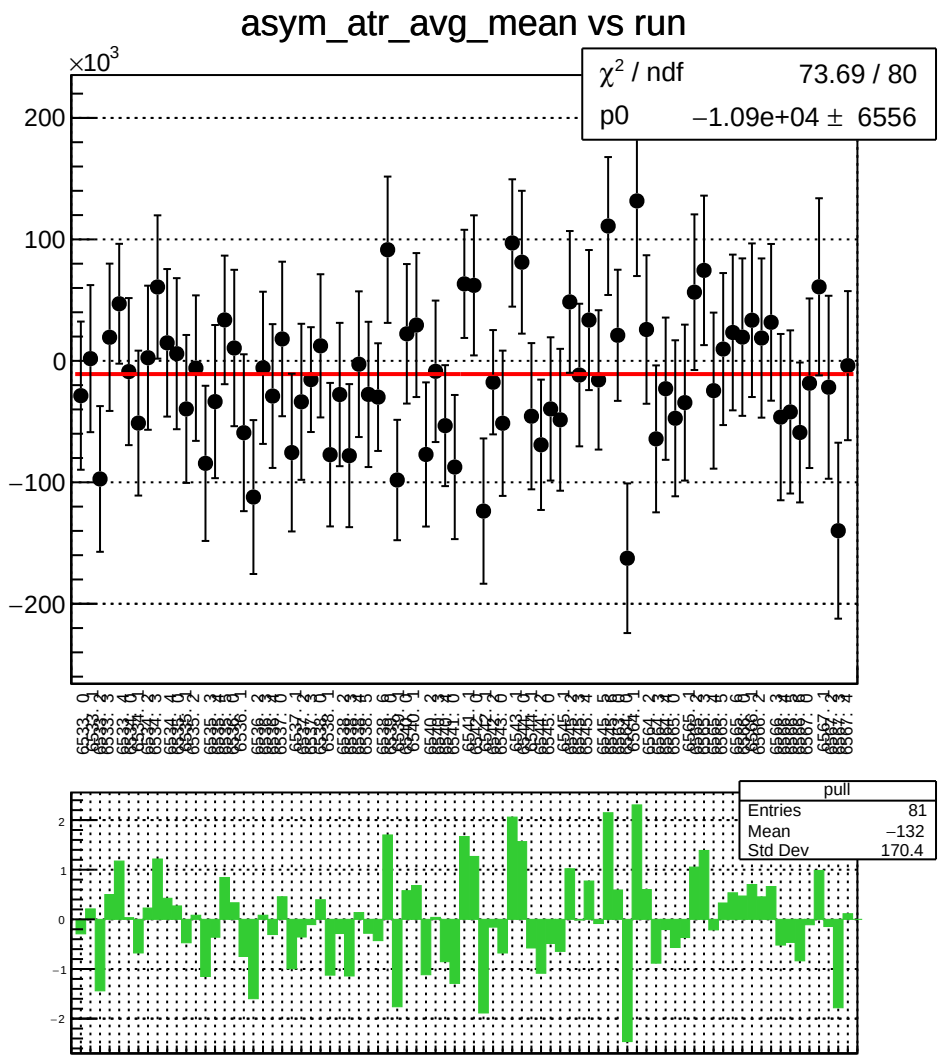

pull1D
Entries 81
Mean 0.001049
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

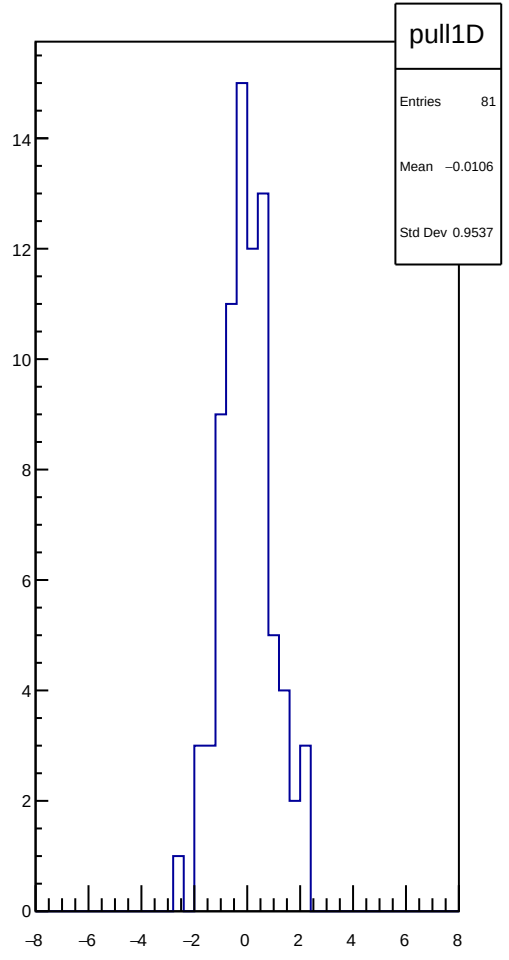

dit_asym_atr_avg_rms vs run
χ² / ndf 1250 / 80
p0 1982 ± 1.57
2400
2300
2200
2100
2000
1900

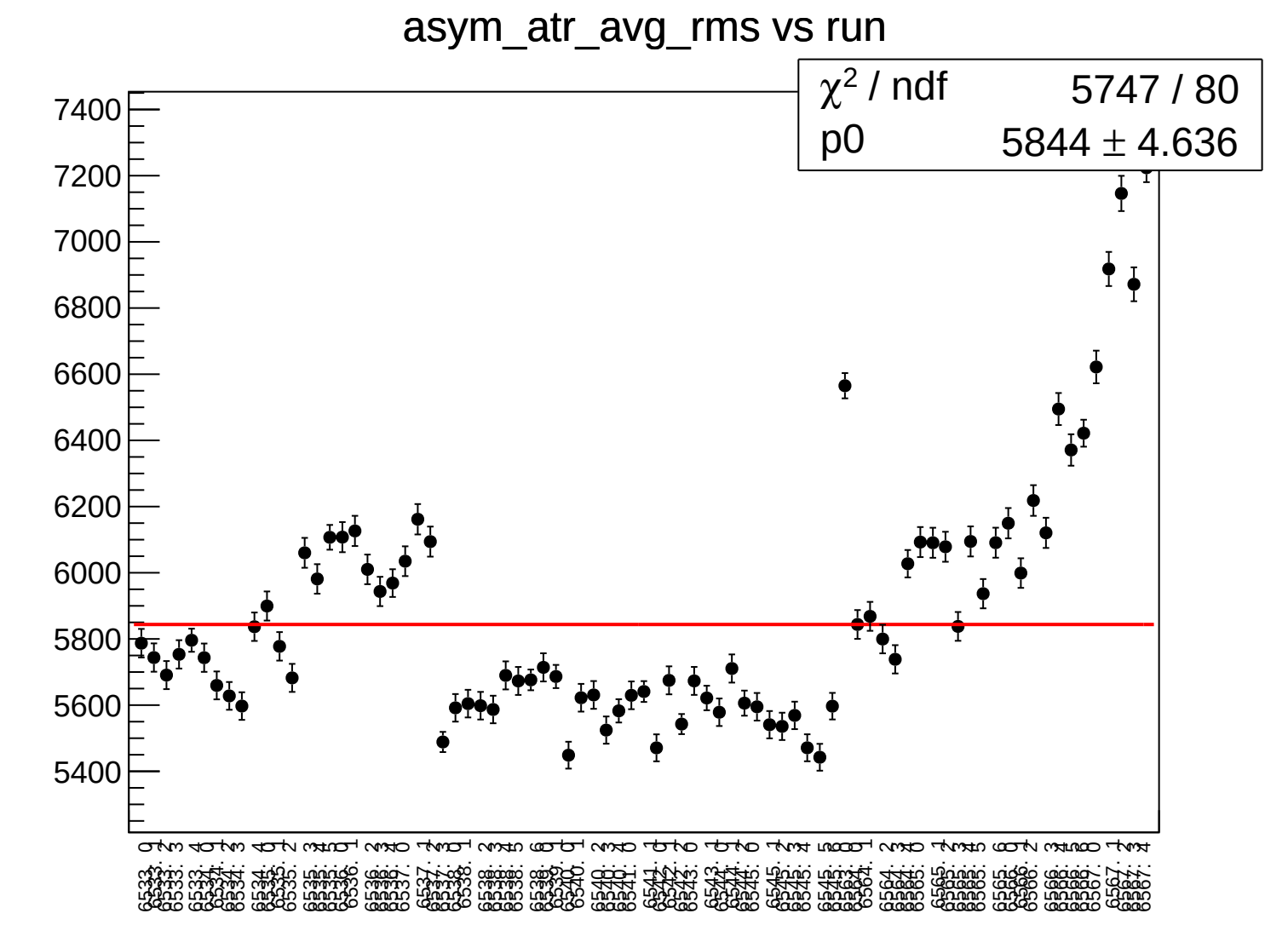

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 75.91 / 80
p0 4192 ± 6181
pull
Entries 81
Mean −182.1
Std Dev 223.7

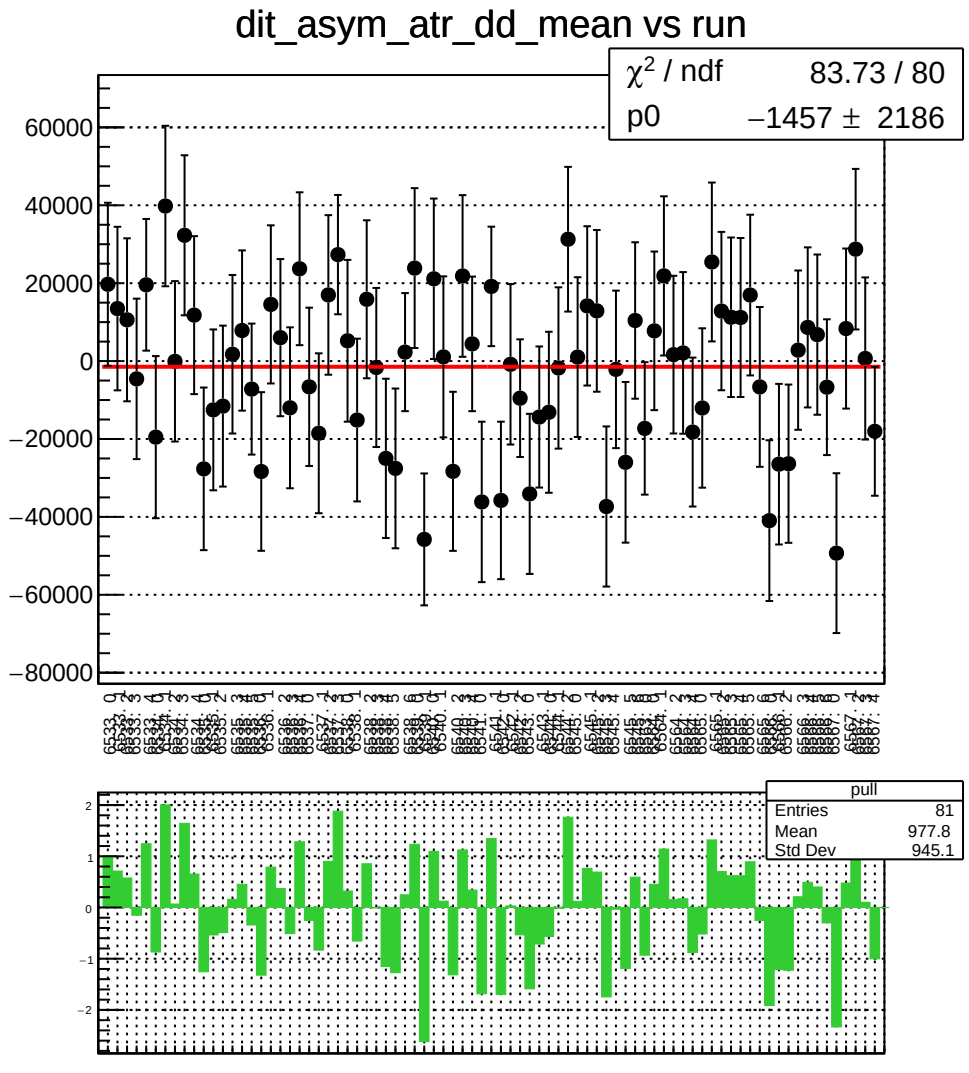

pull1D
Entries 81
Mean 0.01077
Std Dev 0.968

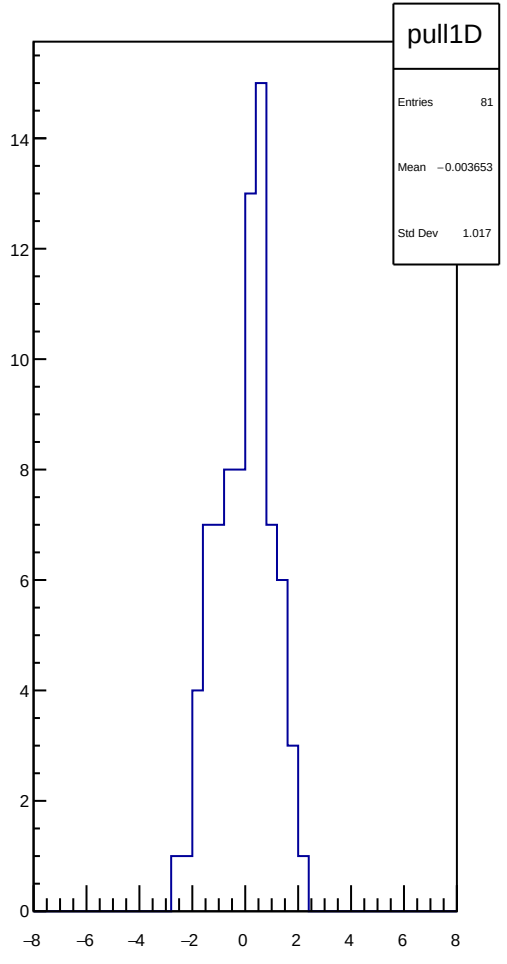

asym_atr_avg_correction_rms vs run
χ² / ndf 5821 / 80
p0 5510 ± 4.371
7000
6500
6000
5500
5000

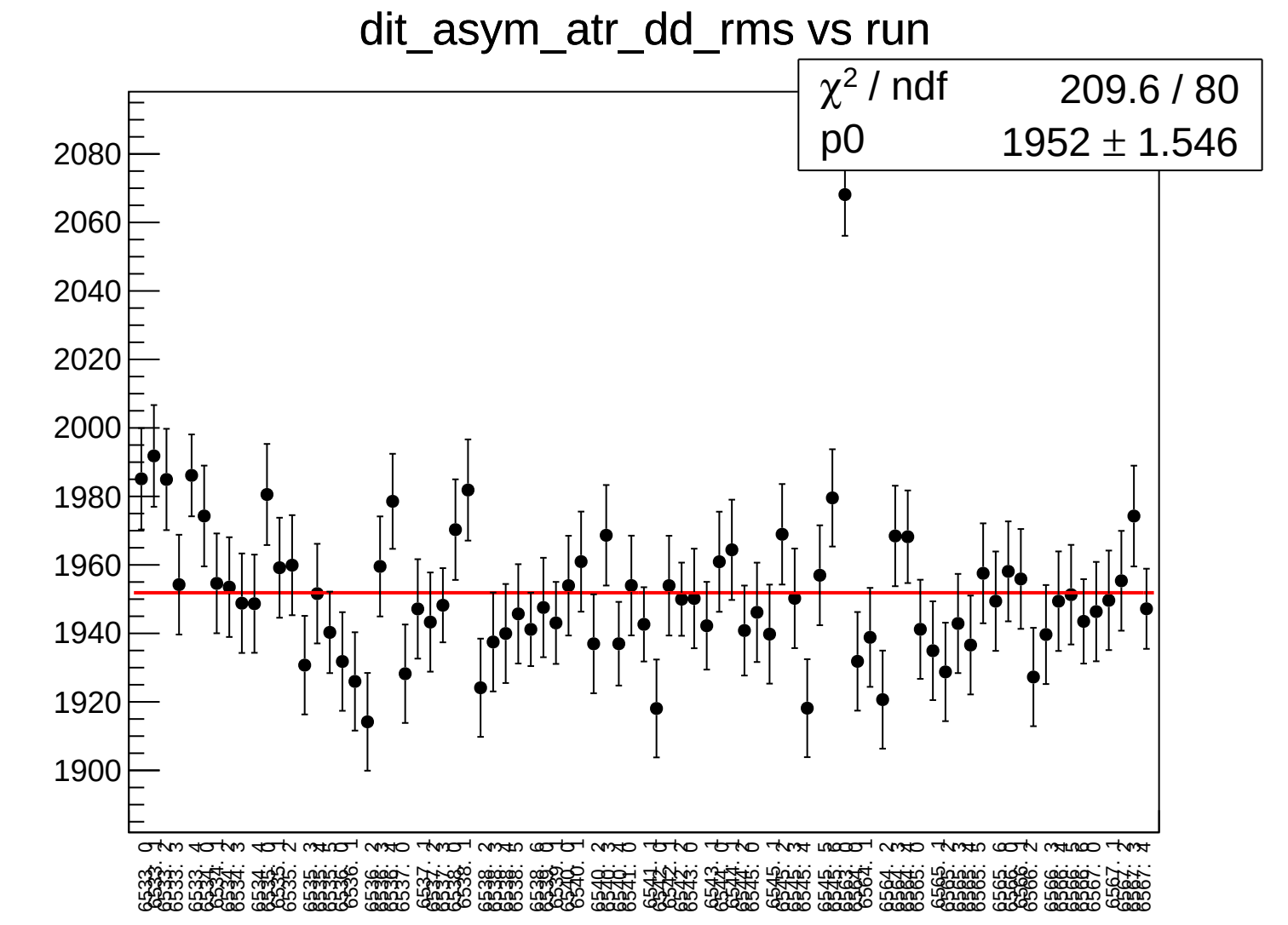

asym_atr_avg_mean vs run
×10^3
χ² / ndf 73.69 / 80
p0 −1.09e+04 ± 6556
200
100
0
−100
−200
pull
Entries 81
Mean −132
Std Dev 170.4
2
1
0
−1
−2

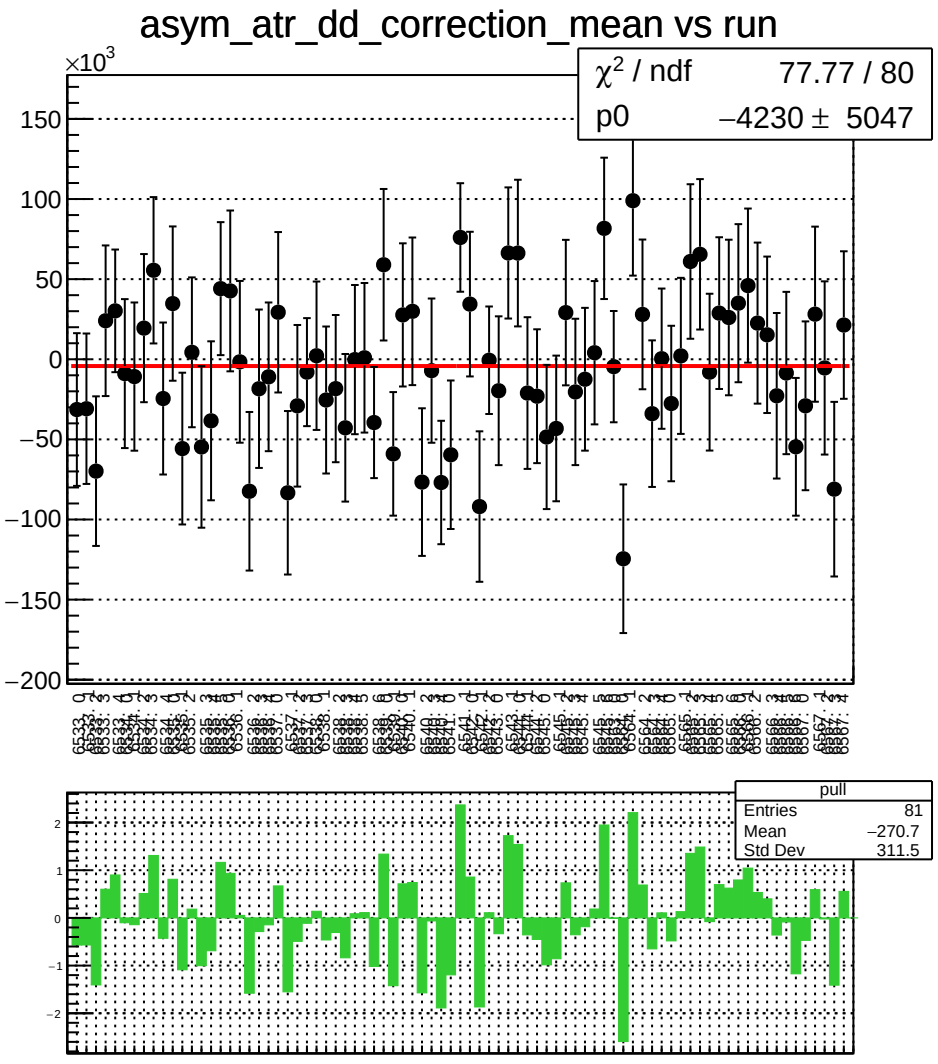

pull1D
Entries 81
Mean −0.0106
Std Dev 0.9537
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

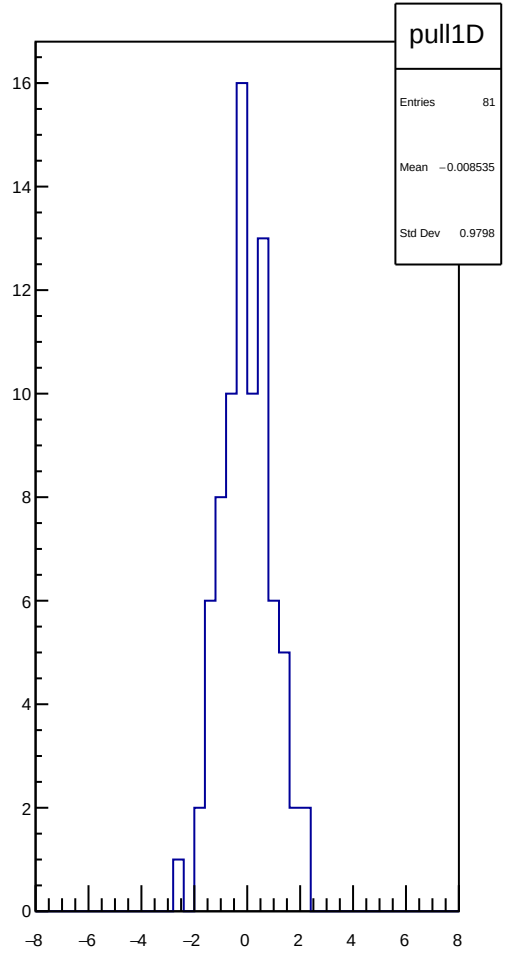

asym_atr_avg_rms vs run
χ² / ndf 5747 / 80
p0 5844 ± 4.636
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

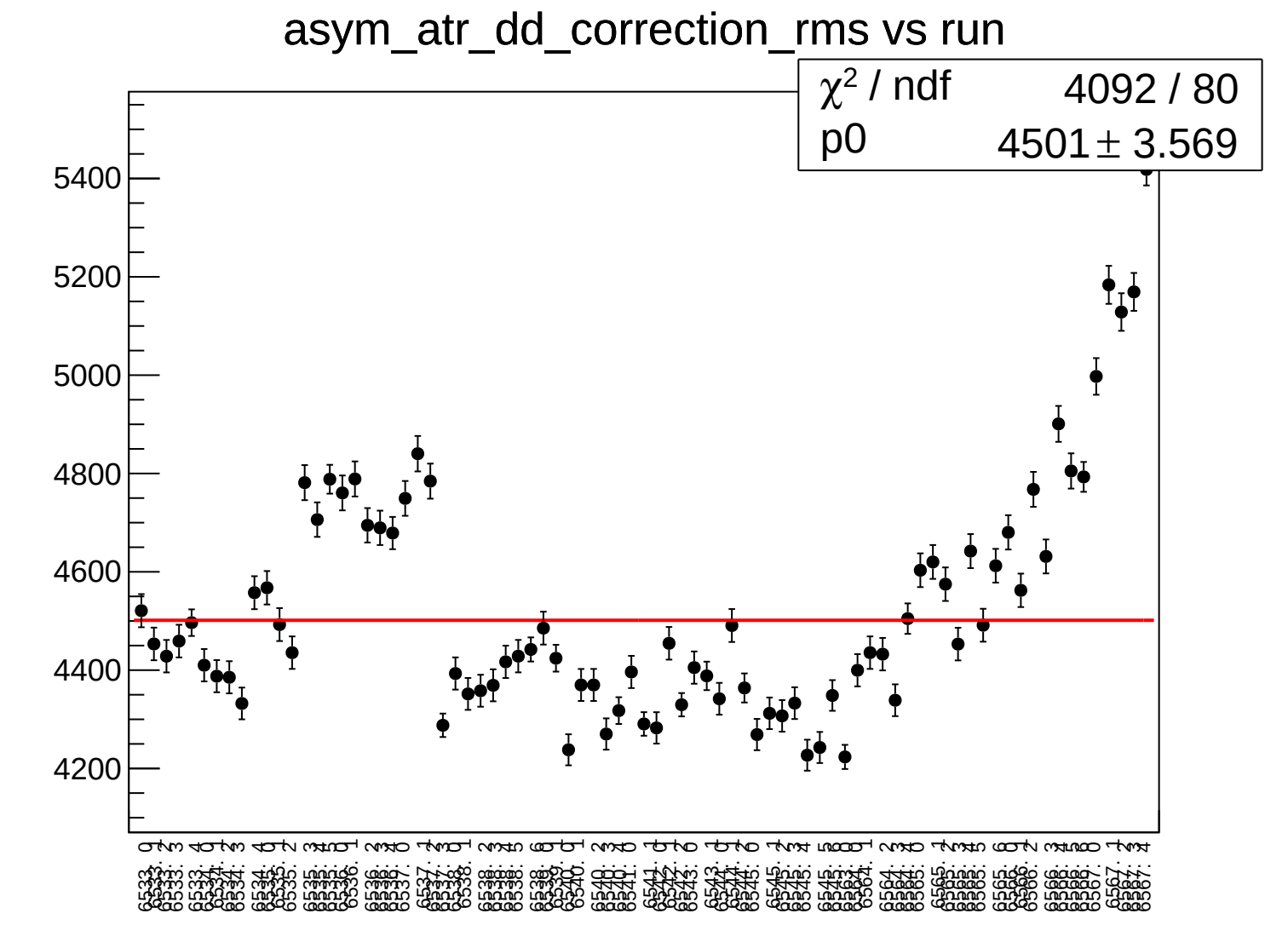

dit_asym_atr_dd_mean vs run
χ² / ndf 83.73 / 80
p0 −1457 ± 2186
pull
Entries 81
Mean 977.8
Std Dev 945.1

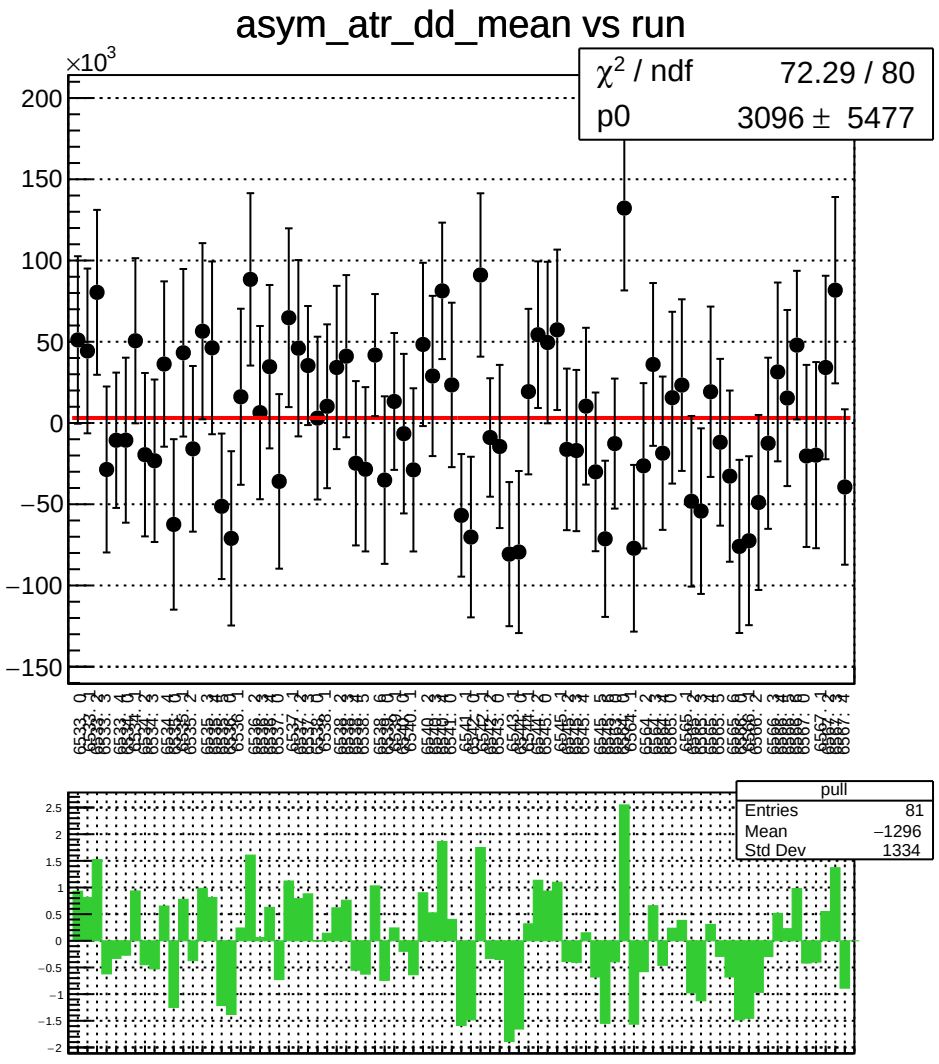

pull1D
Entries 81
Mean −0.003653
Std Dev 1.017

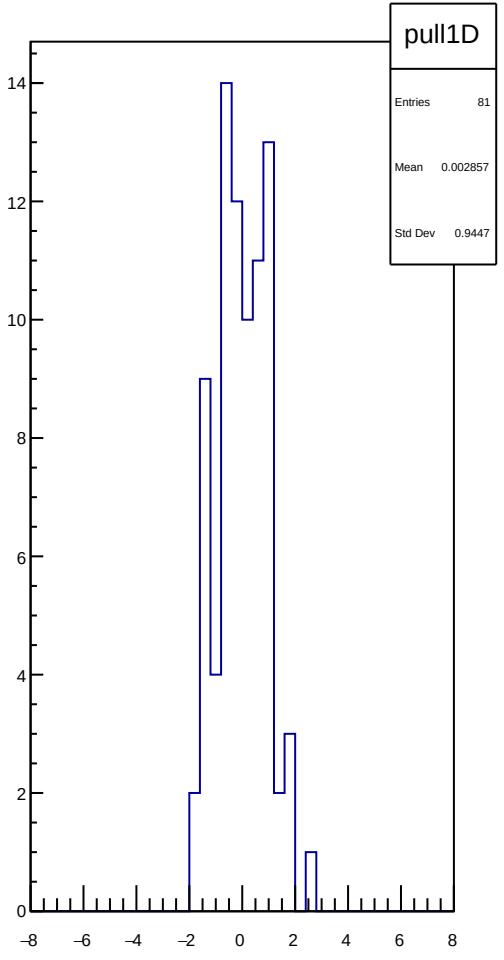

dit_asym_atr_dd_rms vs run
χ^2 / ndf 209.6 / 80
p0 1952 ± 1.546
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900

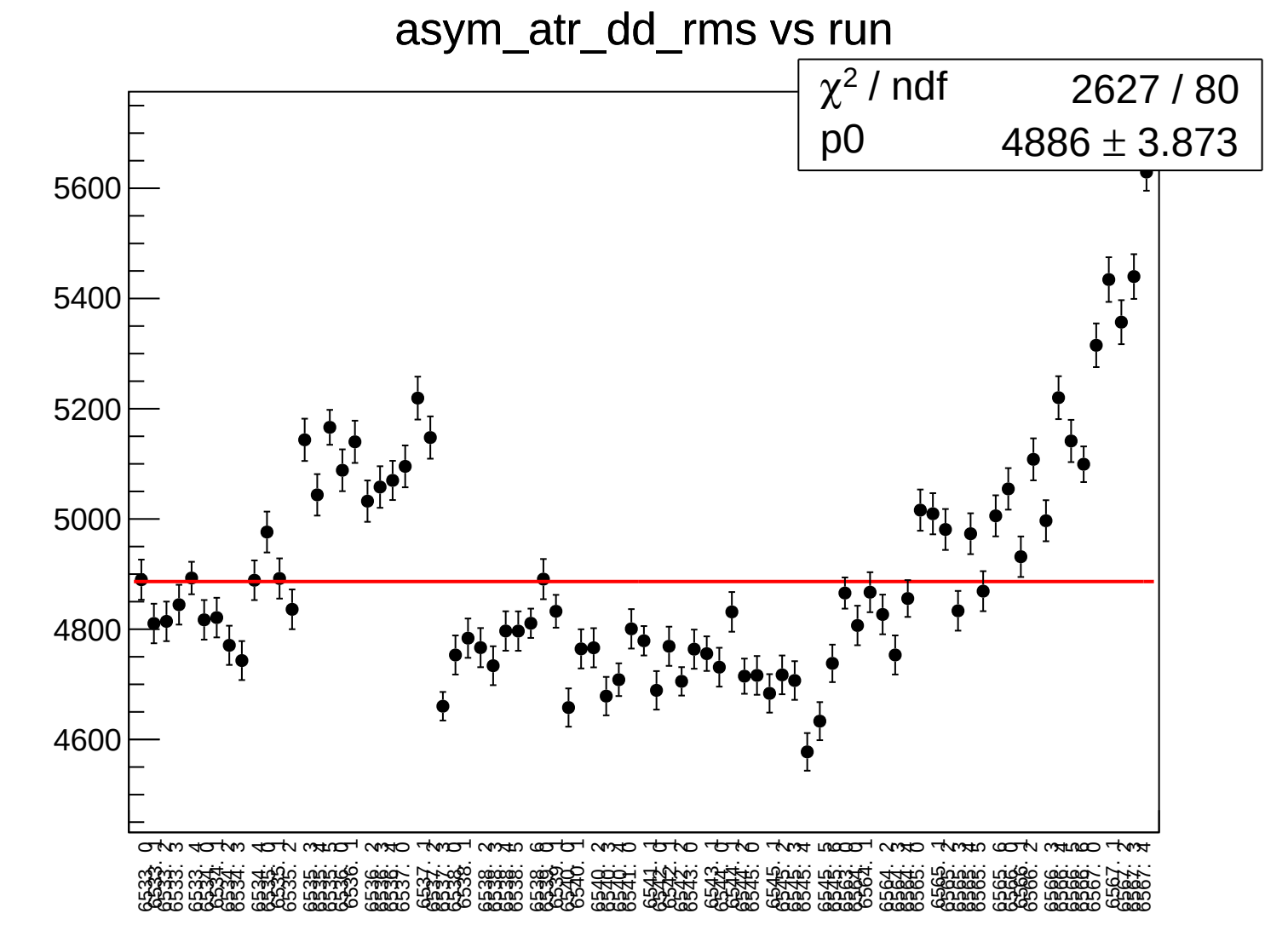

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 77.77 / 80
p0 −4230 ± 5047
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −270.7
Std Dev 311.5
2
1
0
−1
−2

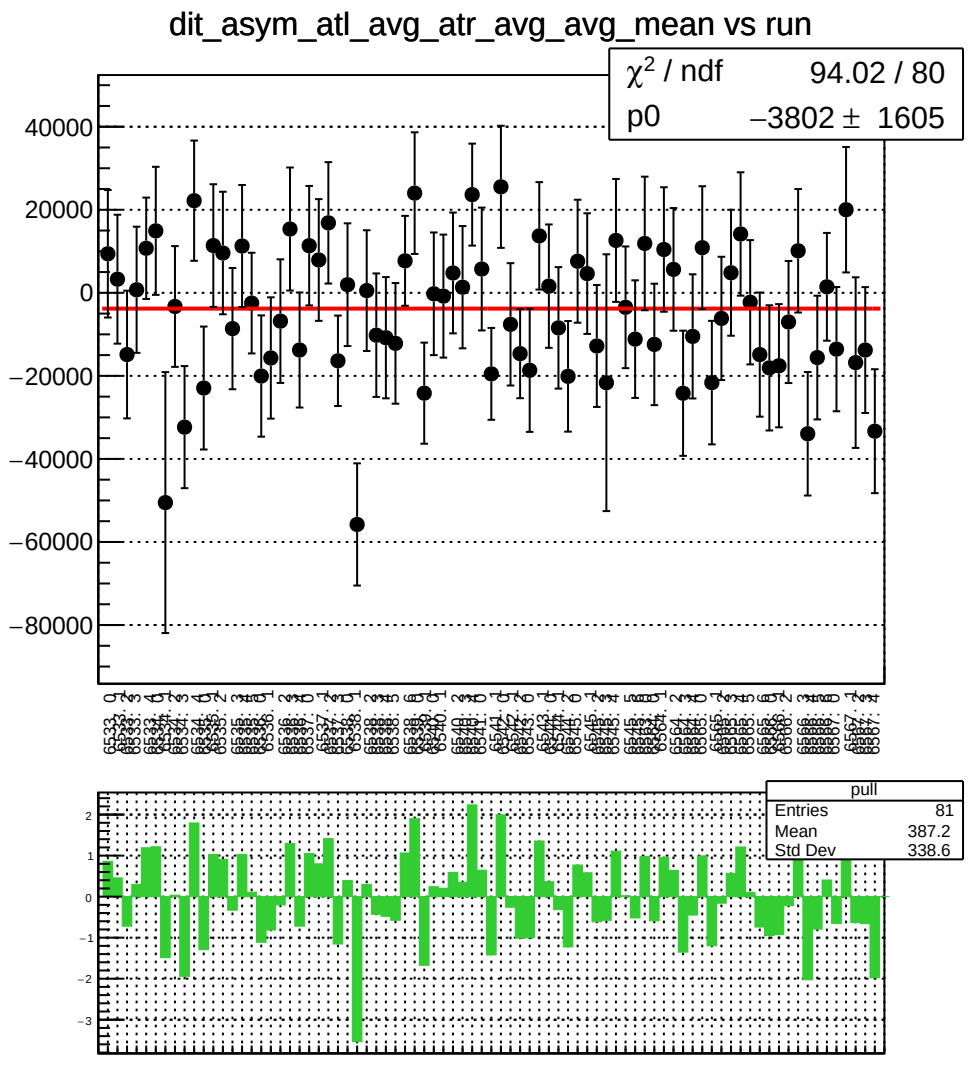

pull1D
Entries 81
Mean −0.008535
Std Dev 0.9798
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

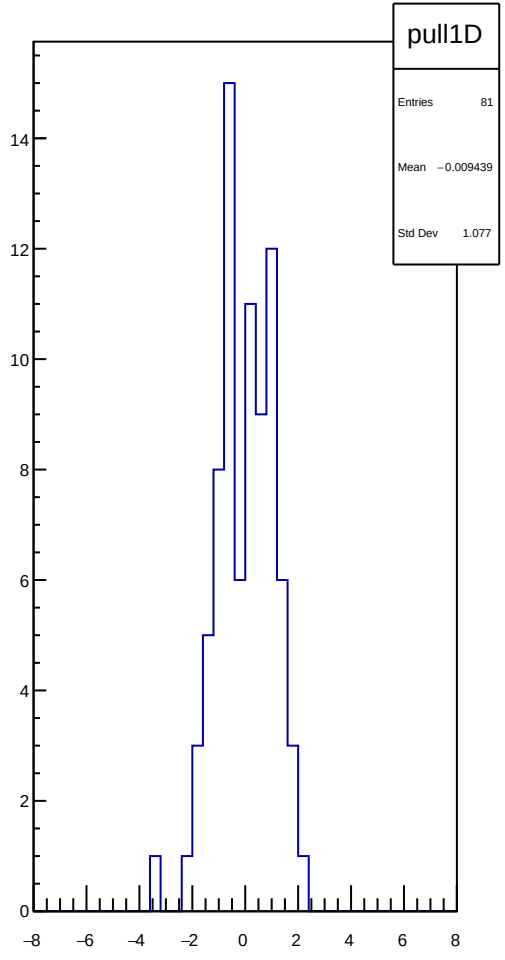

asym_atr_dd_correction_rms vs run
χ² / ndf 4092 / 80
p0 4501 ± 3.569
5400
5200
5000
4800
4600
4400
4200

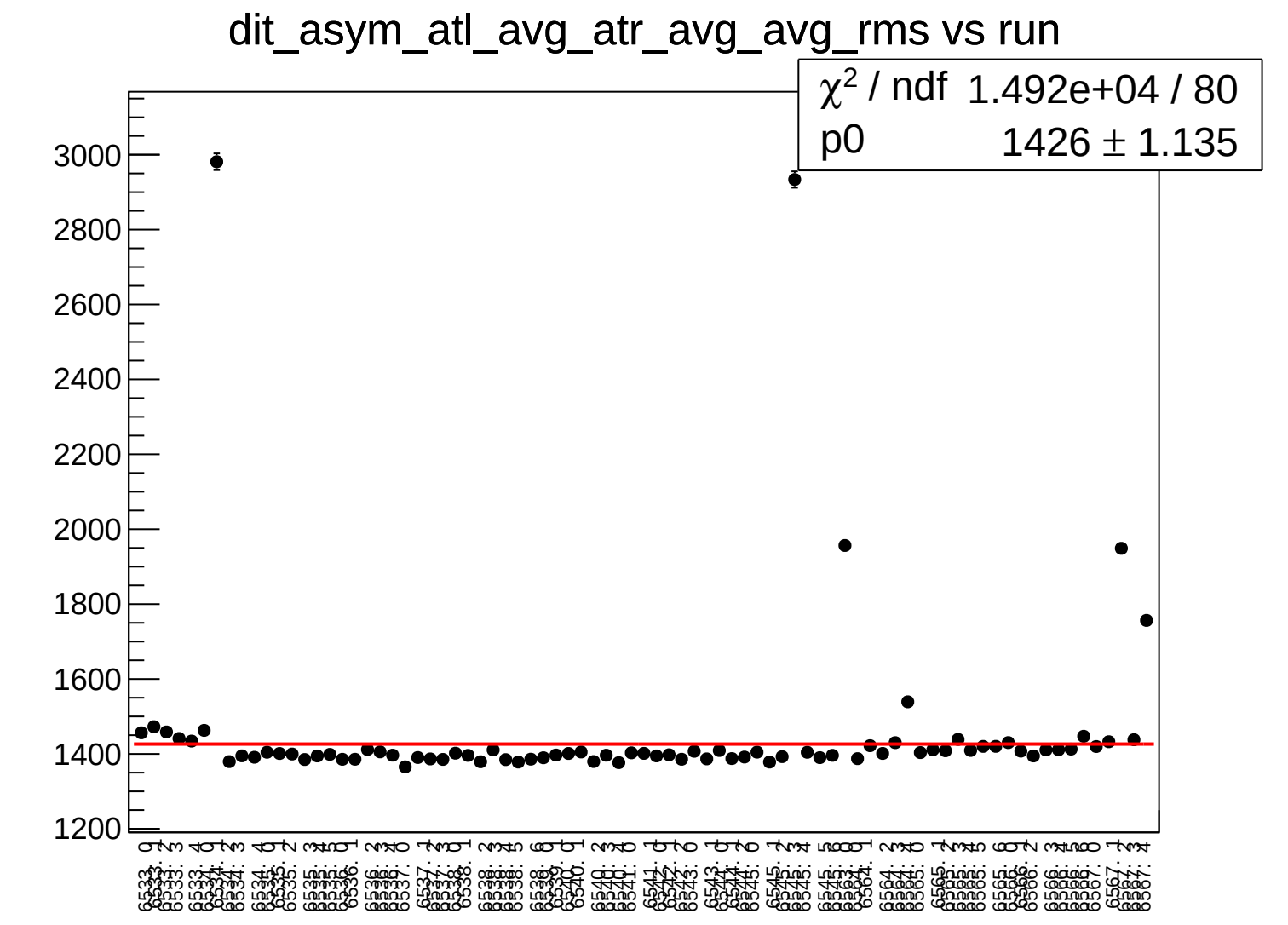

asym_atr_dd_mean vs run
×10^3
χ² / ndf 72.29 / 80
p0 3096 ± 5477
pull
Entries 81
Mean −1296
Std Dev 1334

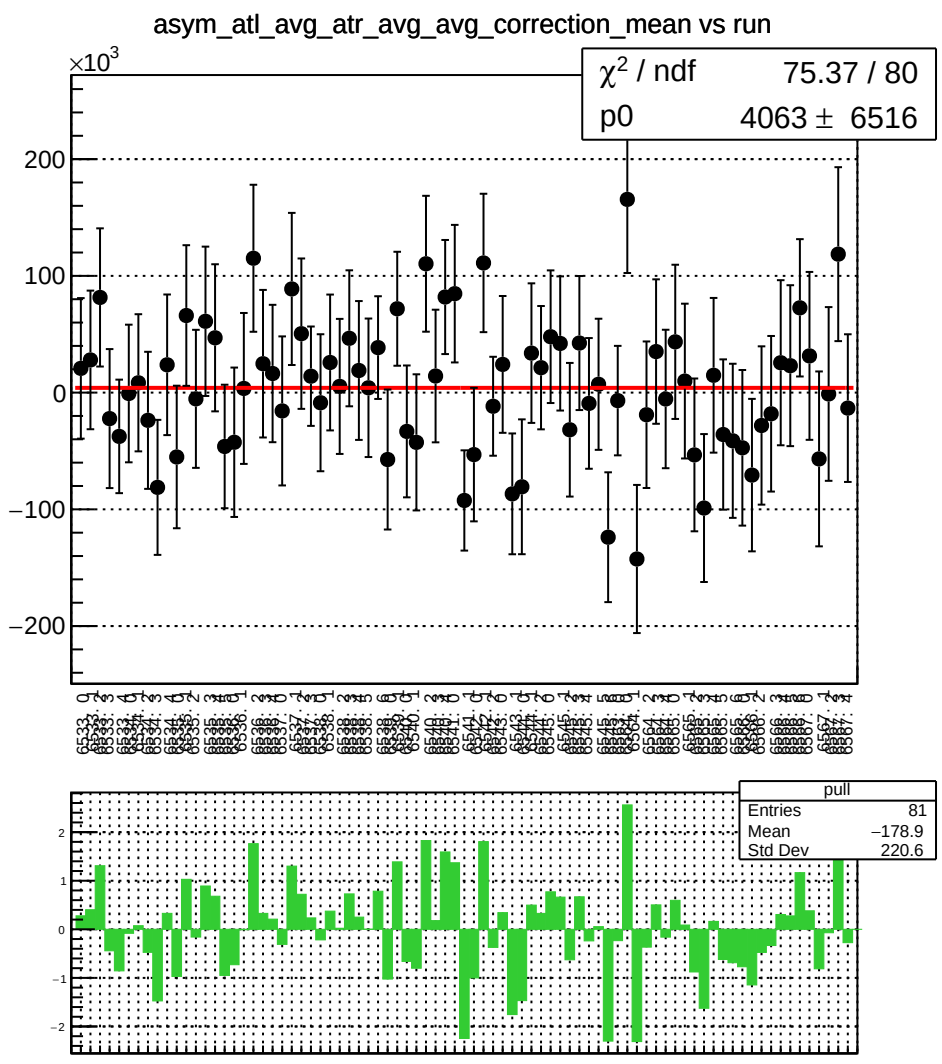

pull1D
Entries 81
Mean 0.002857
Std Dev 0.9447

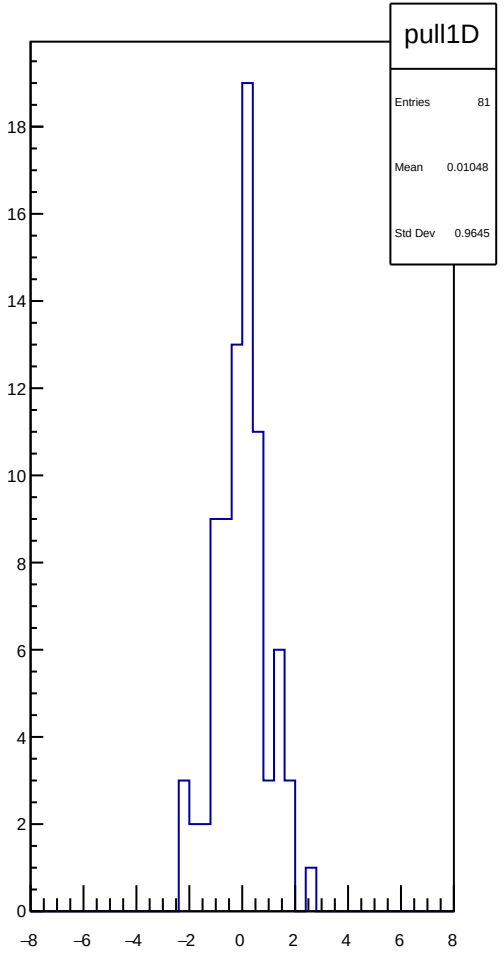

asym_atr_dd_rms vs run
χ^2 / ndf 2627 / 80
p0 4886 ± 3.873
5600
5400
5200
5000
4800
4600

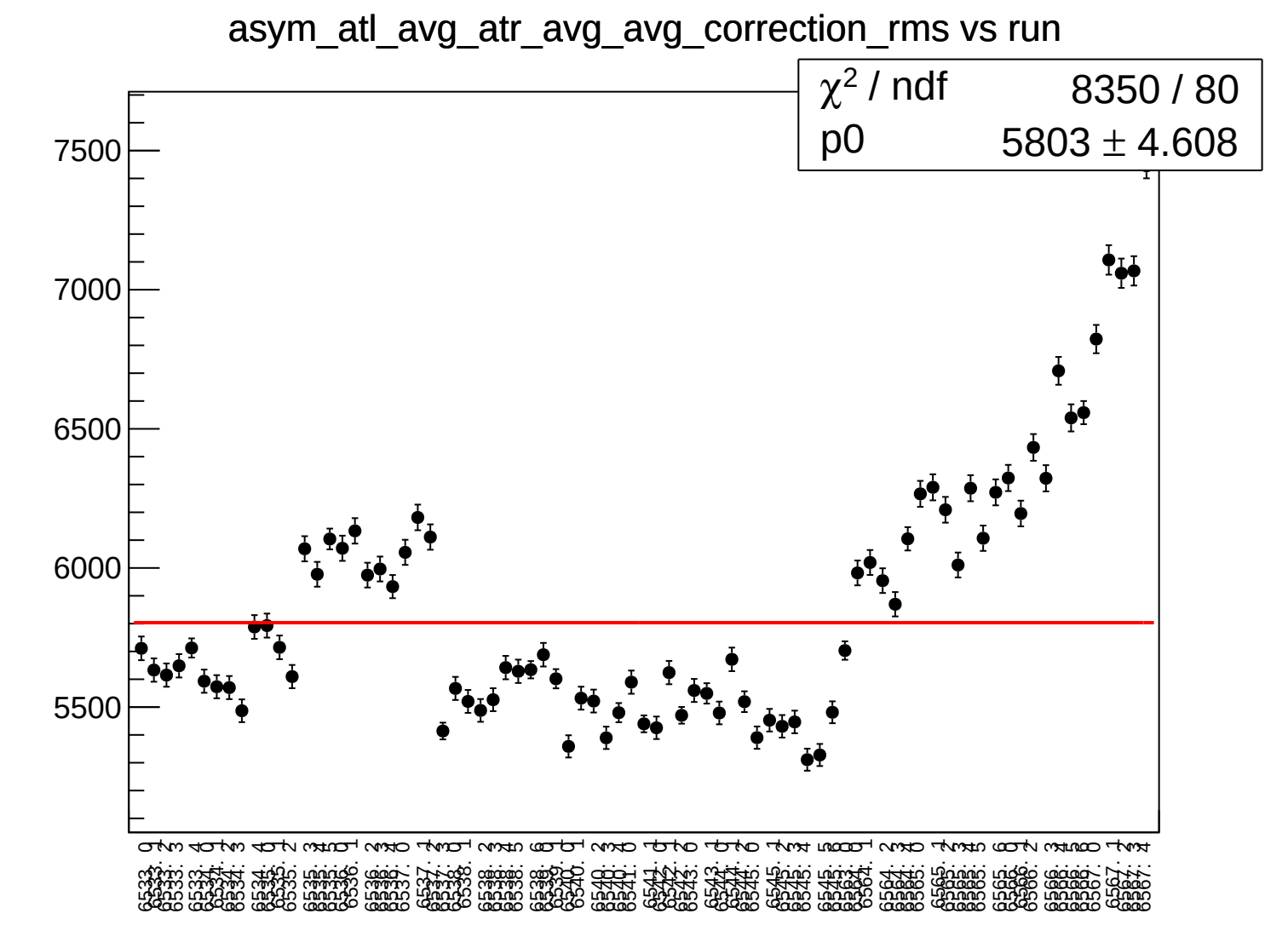

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 94.02 / 80
p0 −3802 ± 1605
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 387.2
Std Dev 338.6
2
1
0
−1
−2
−3

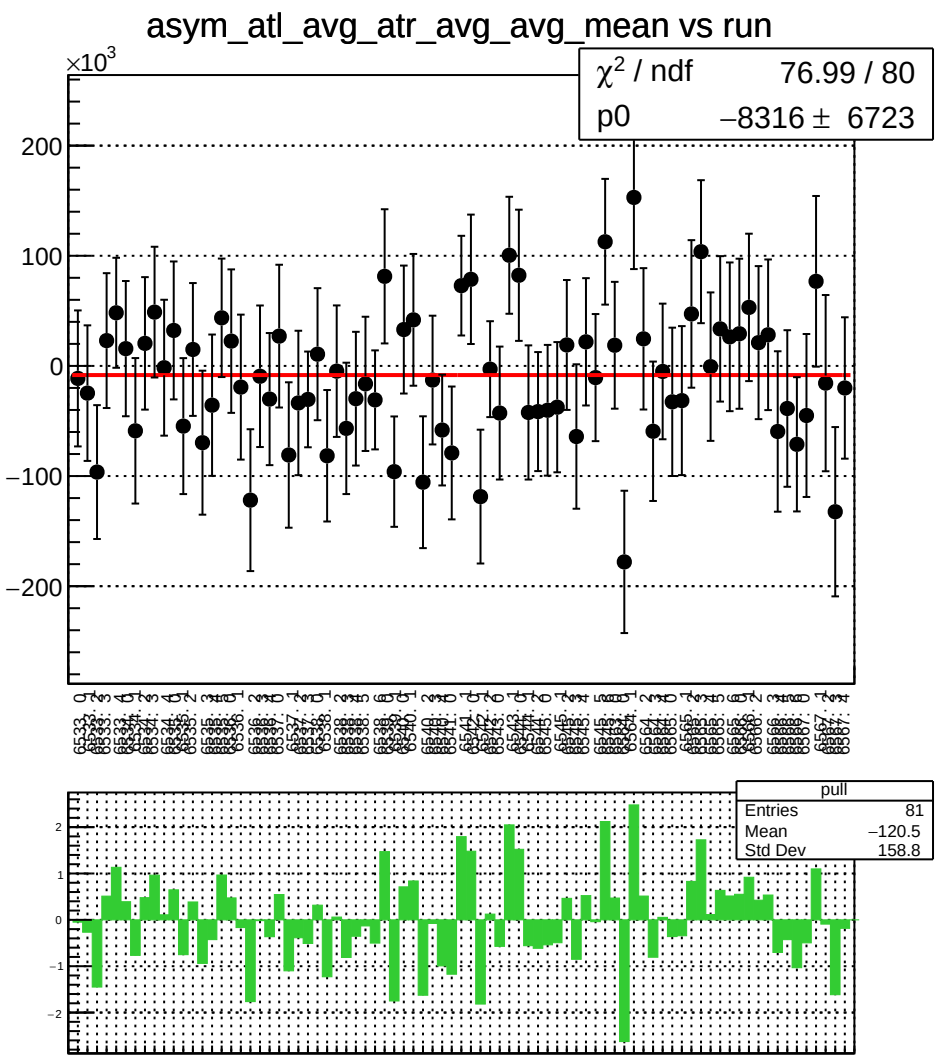

pull1D
Entries 81
Mean −0.009439
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

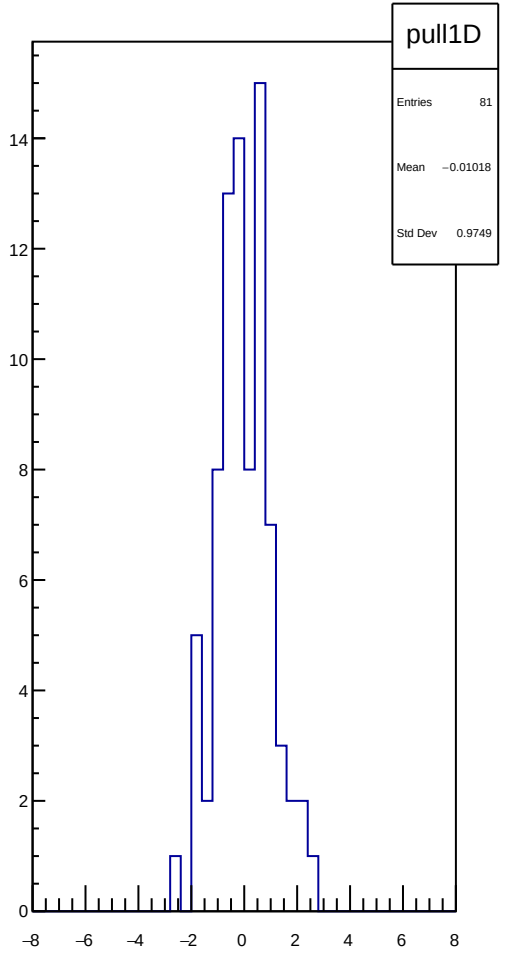

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.492e+04 / 80
p0 1426 ± 1.135
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

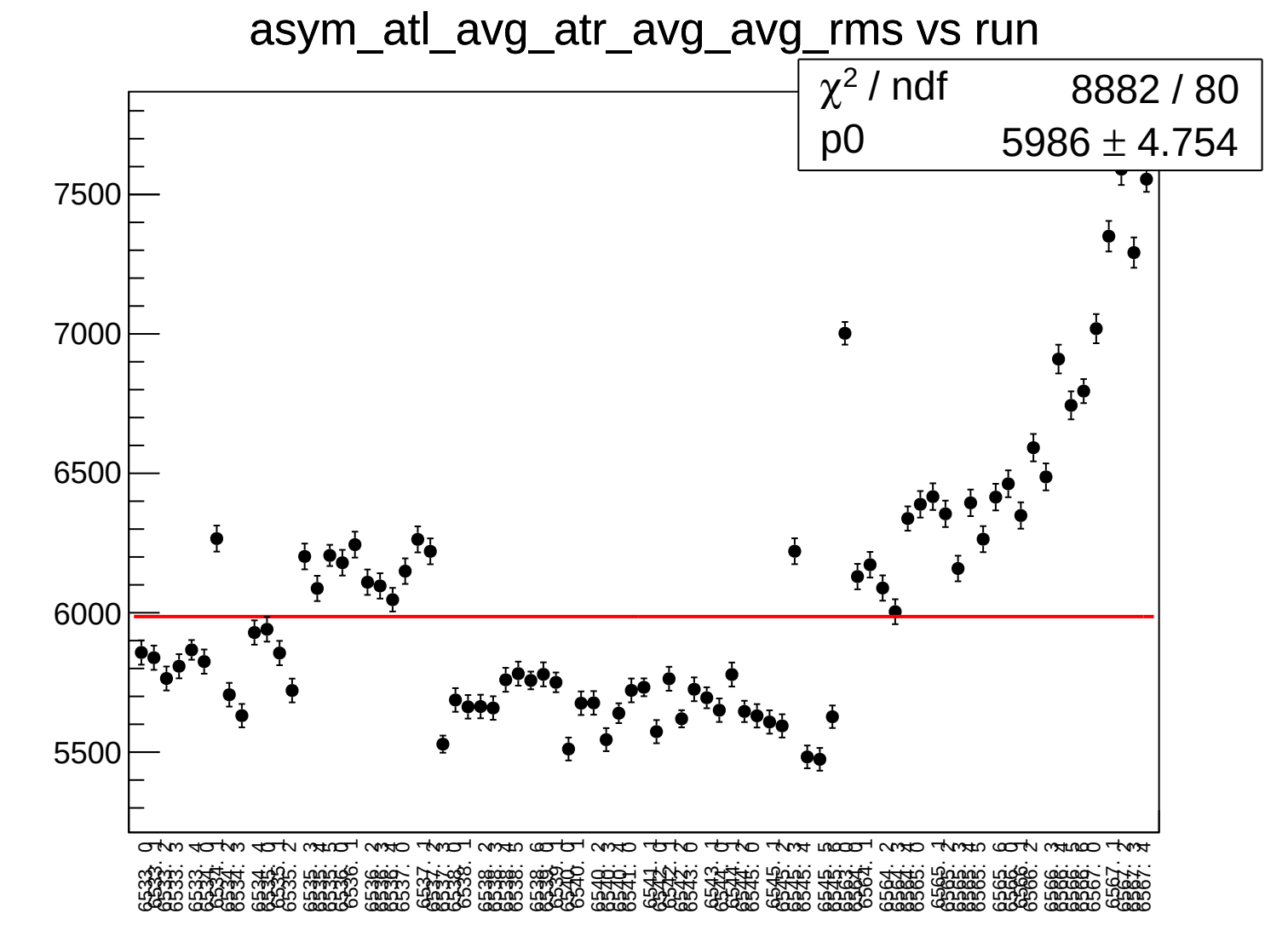

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 75.37 / 80
p0 4063 ± 6516
200
100
0
−100
−200
pull
Entries 81
Mean −178.9
Std Dev 220.6
2
1
0
−1
−2

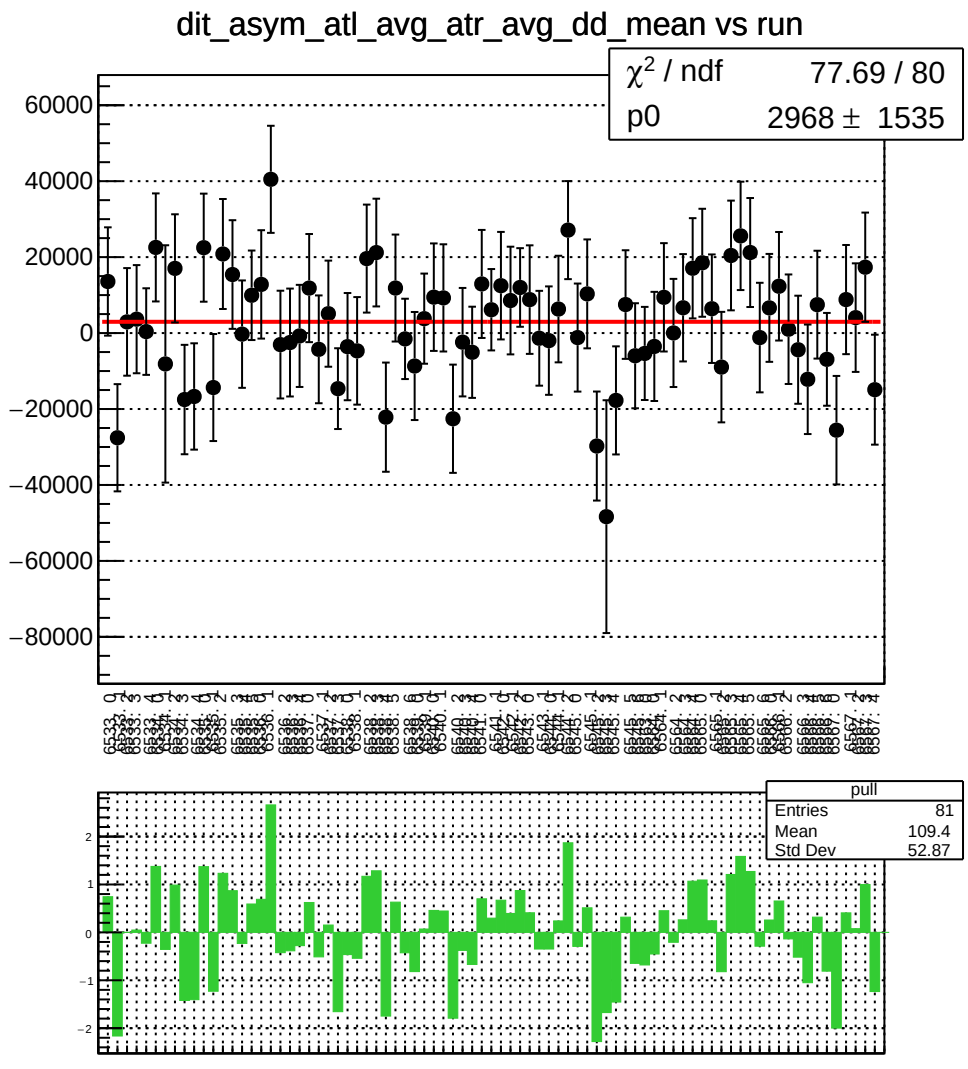

pull1D
Entries 81
Mean 0.01048
Std Dev 0.9645
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

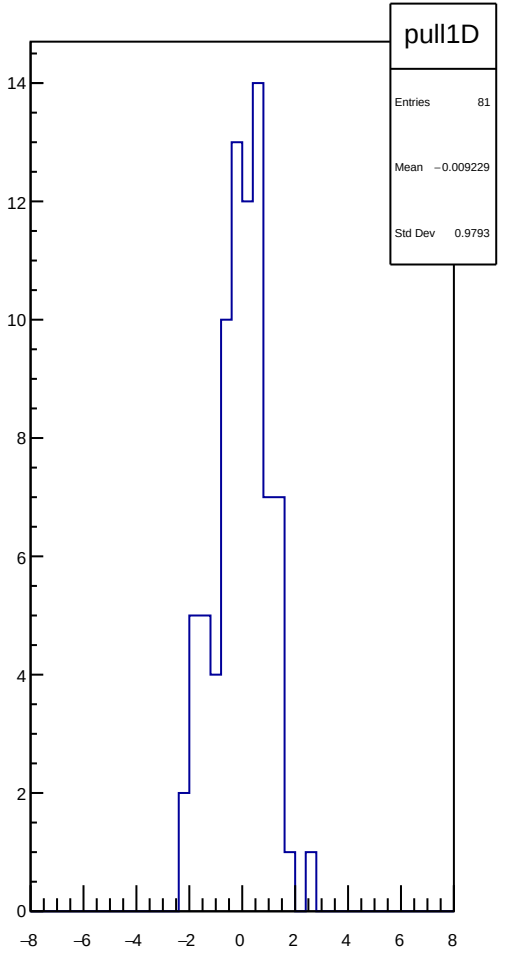

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 8350 / 80
p0 5803 ± 4.608
7500
7000
6500
6000
5500

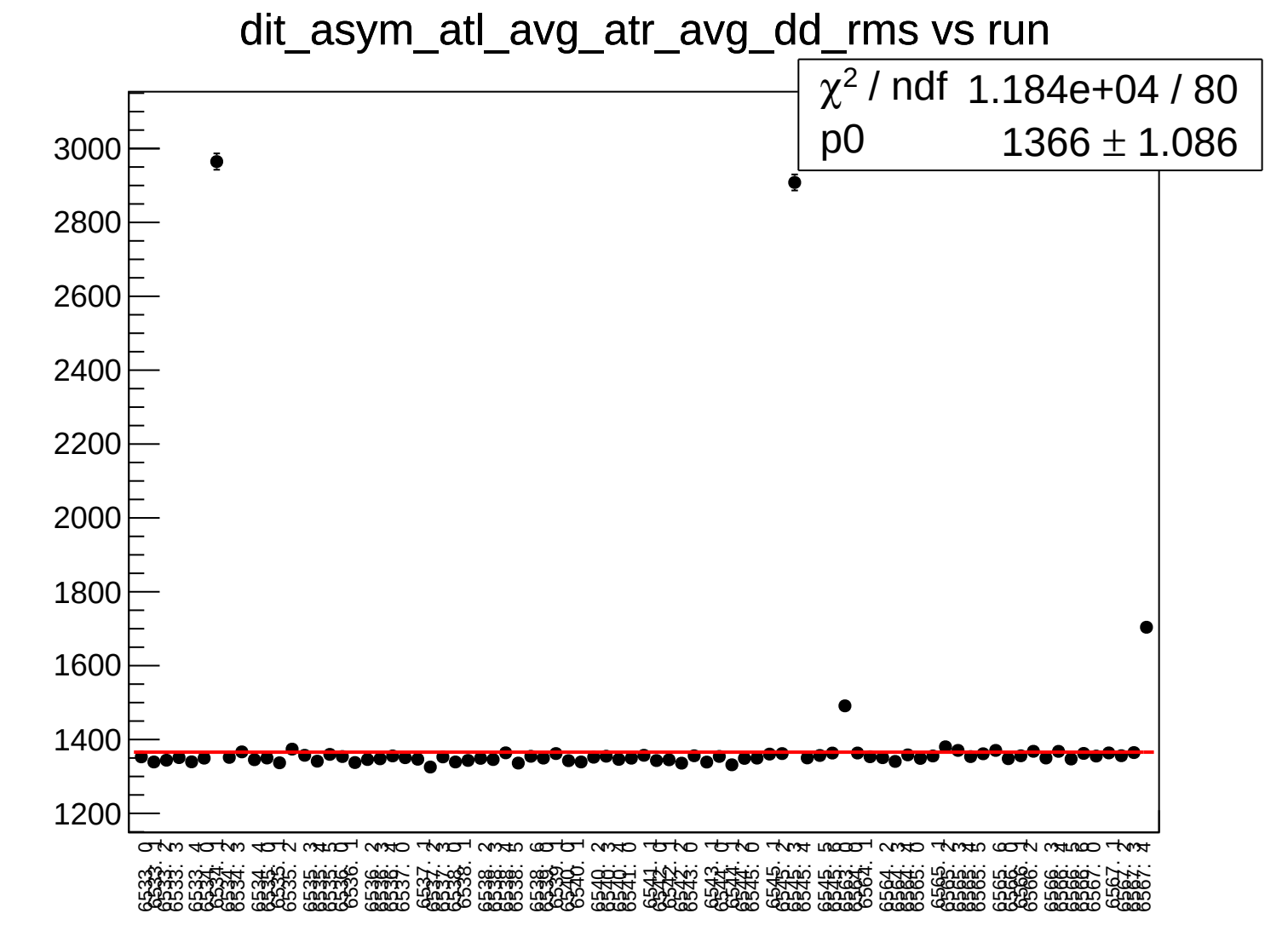

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 76.99 / 80
p0 −8316 ± 6723
×10³
200
100
0
−100
−200
pull
Entries 81
Mean −120.5
Std Dev 158.8
2
1
0
−1
−2

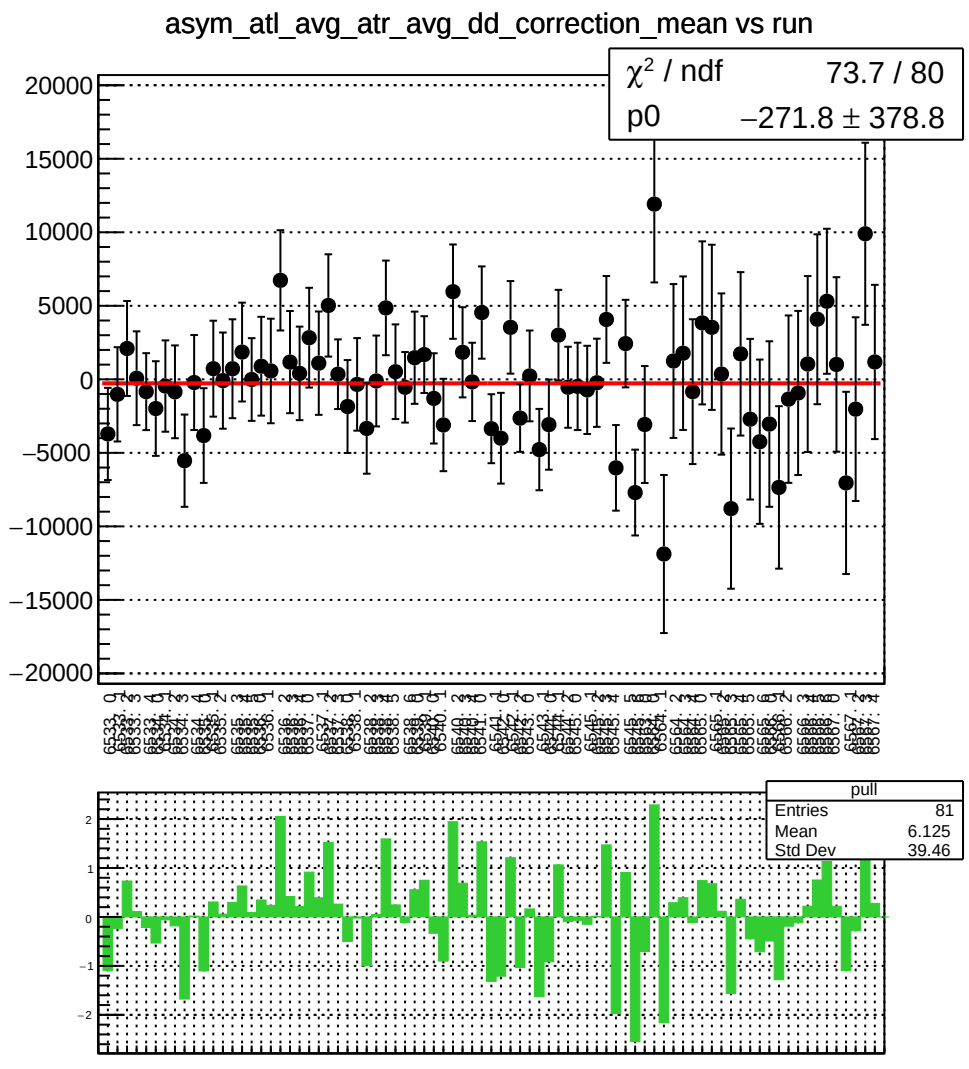

pull1D
Entries 81
Mean −0.01018
Std Dev 0.9749
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

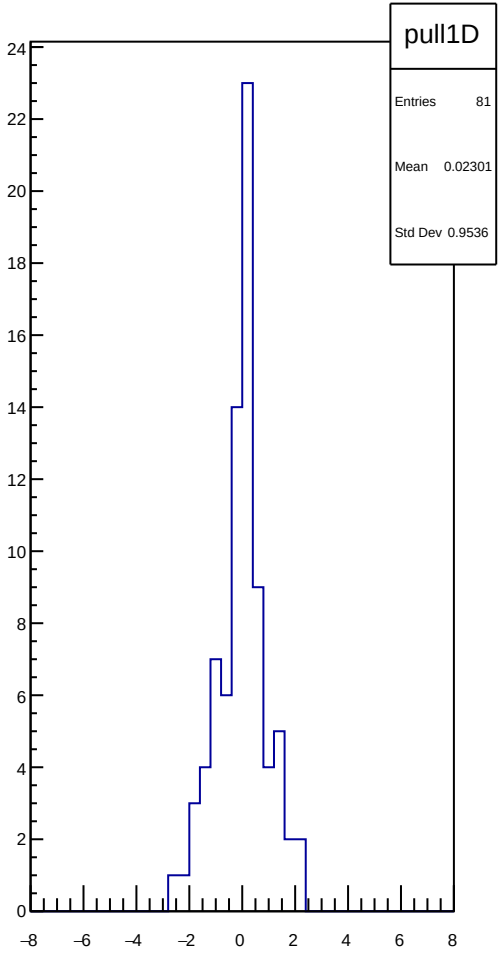

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8882 / 80
p0 5986 ± 4.754
7500
7000
6500
6000
5500

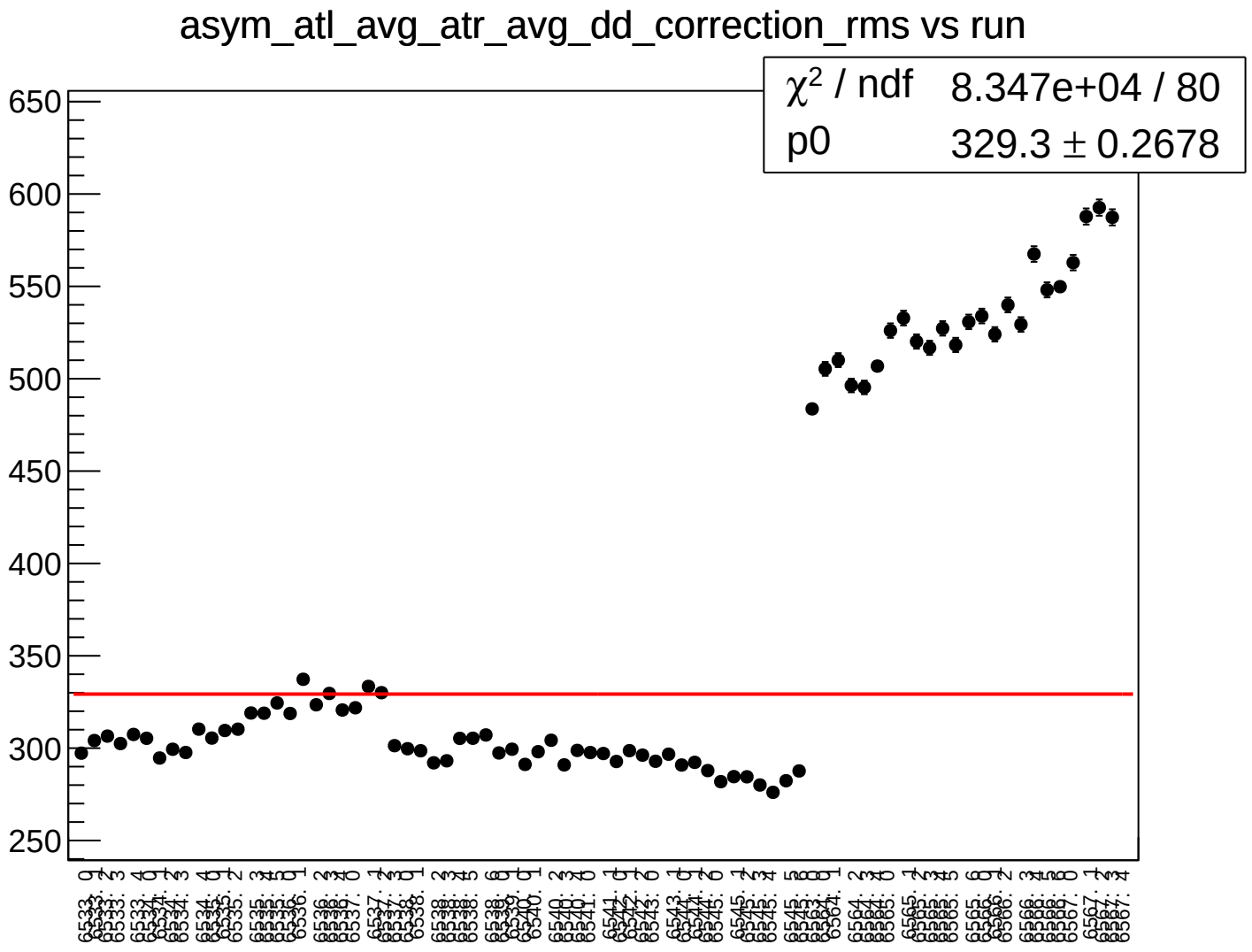

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.69 / 80
p0 2968 ± 1535
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 109.4
Std Dev 52.87
2
1
0
−1
−2

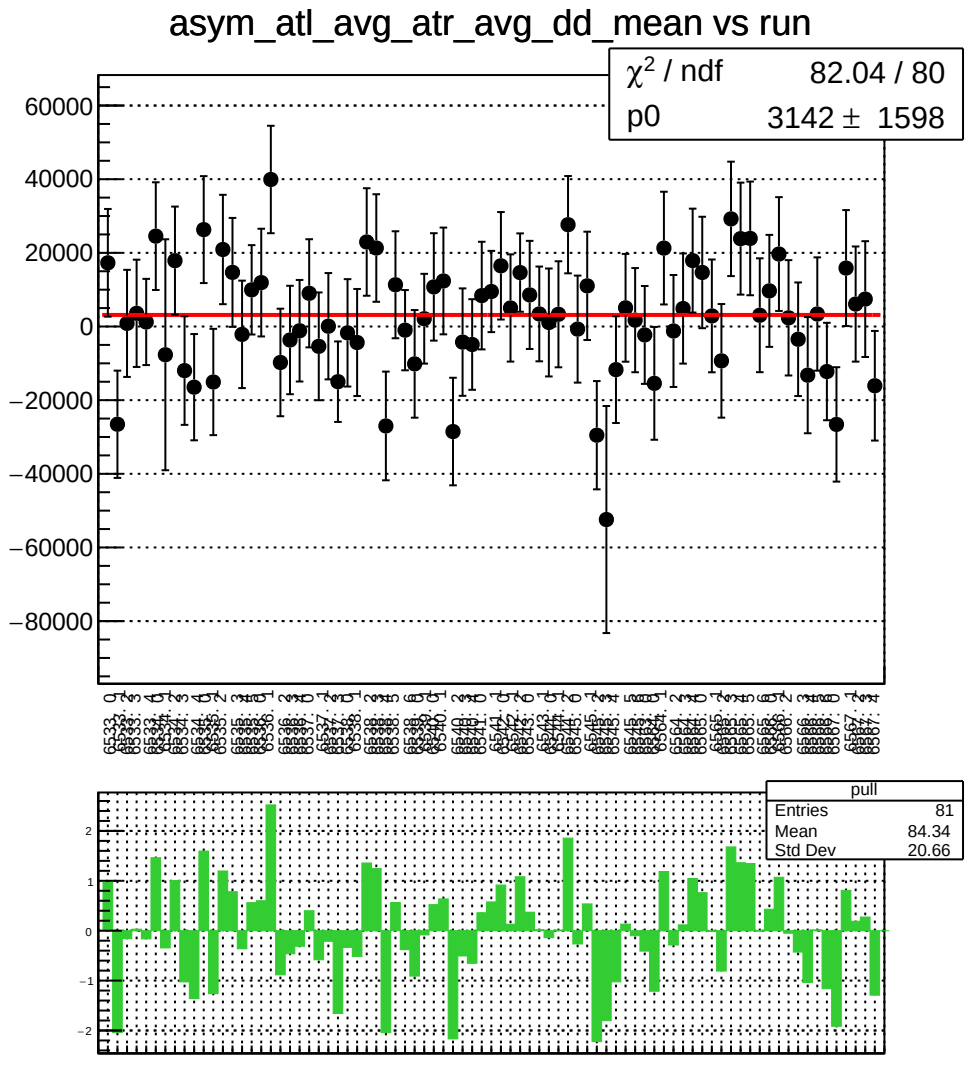

pull1D
Entries 81
Mean −0.009229
Std Dev 0.9793
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

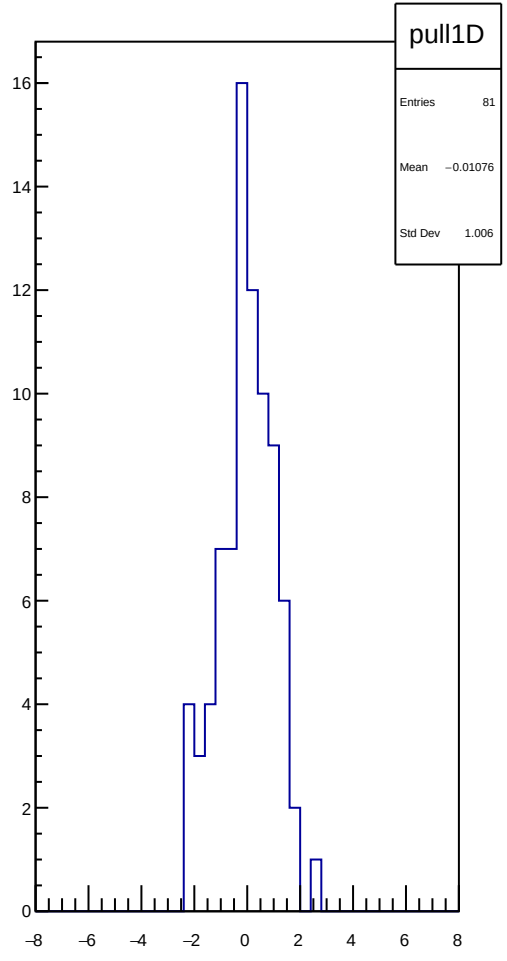

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.184e+04 / 80
p0 1366 ± 1.086
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

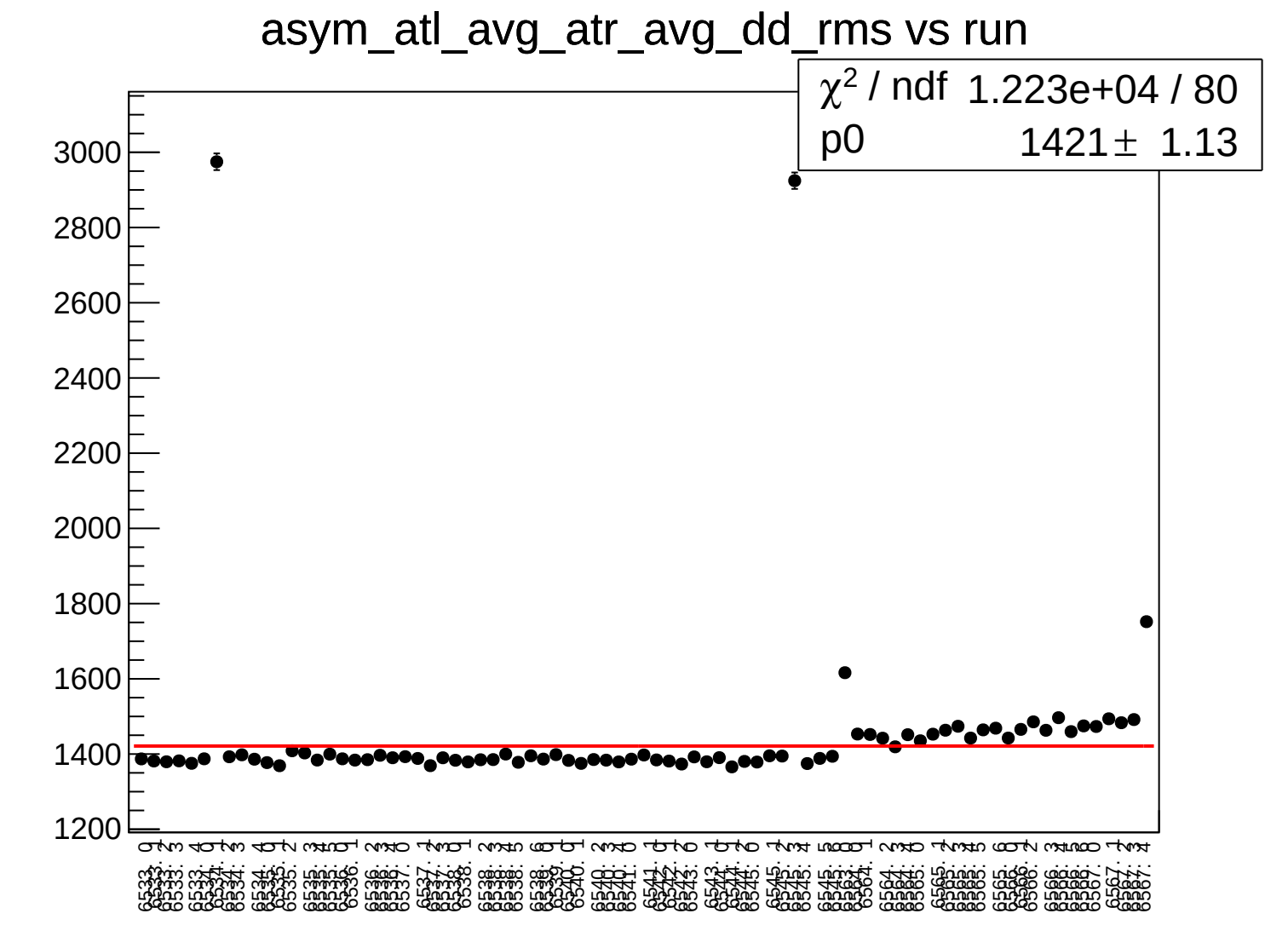

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 73.7 / 80
p0 −271.8 ± 378.8
pull
Entries 81
Mean 6.125
Std Dev 39.46

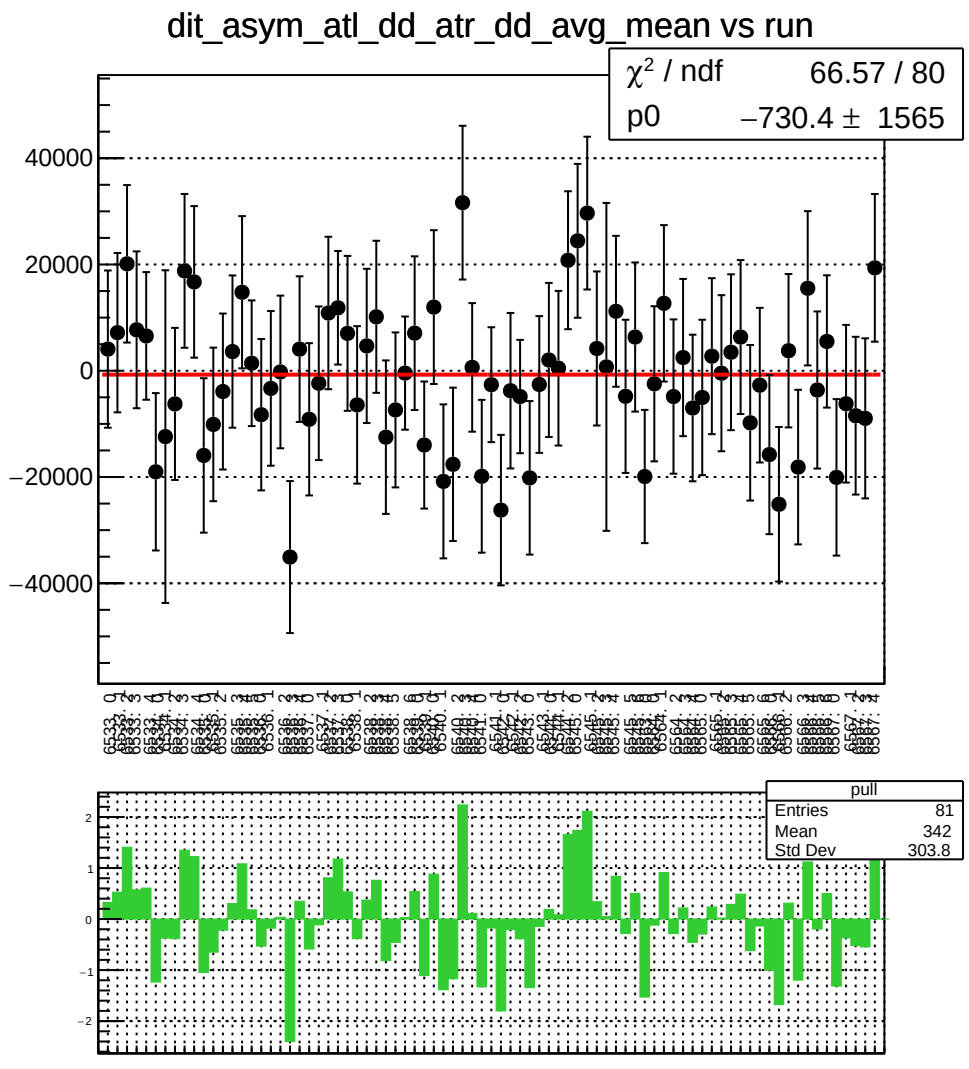

pull1D
Entries 81
Mean 0.02301
Std Dev 0.9536

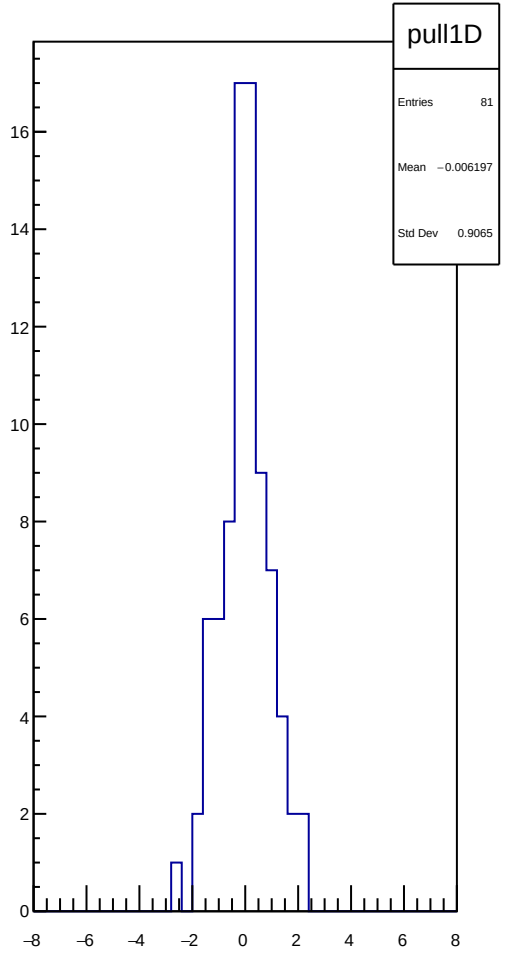

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 8.347e+04 / 80
p0 329.3 ± 0.2678
650
600
550
500
450
400
350
300
250

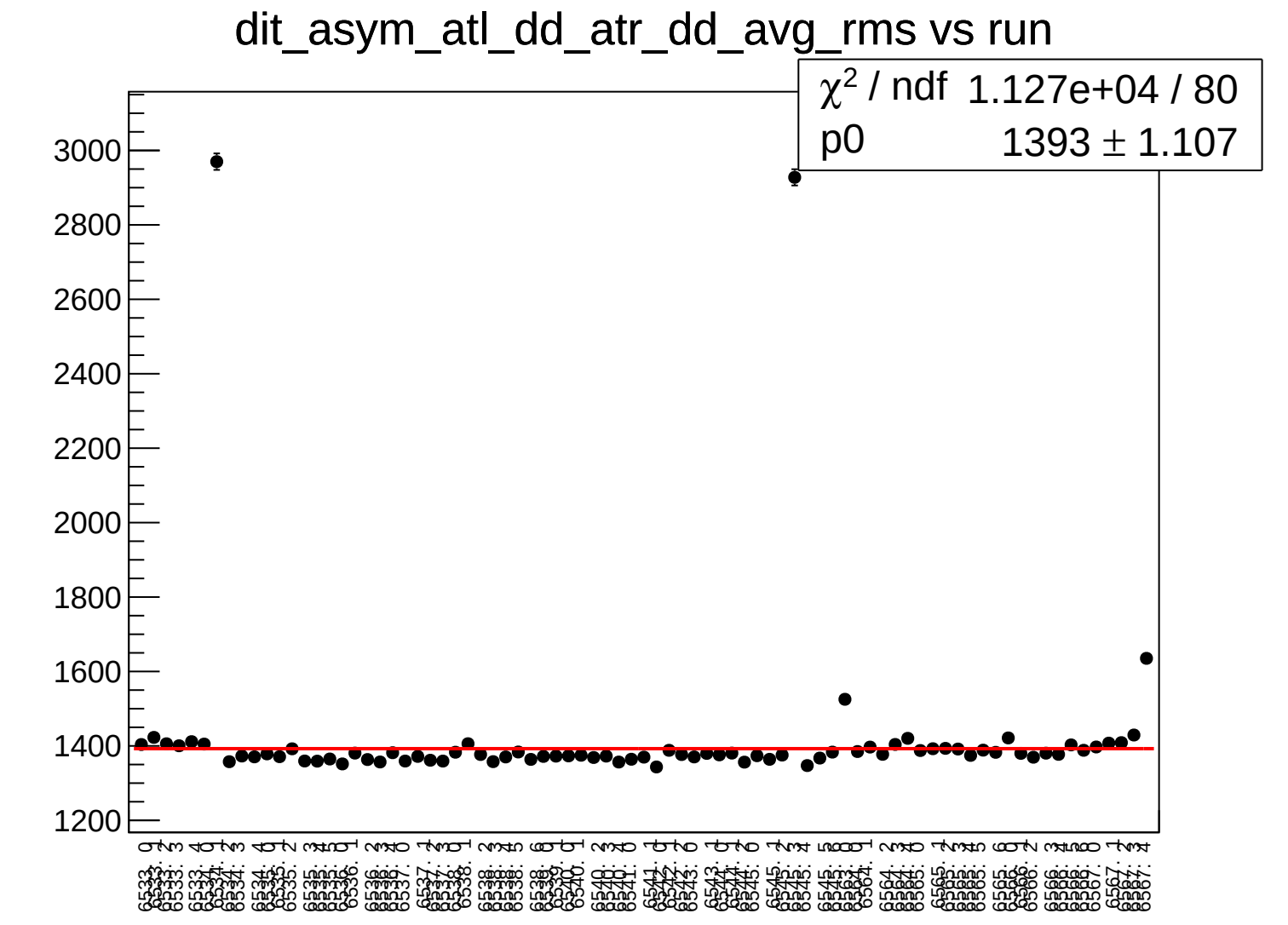

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 82.04 / 80
p0 3142 ± 1598
pull
Entries 81
Mean 84.34
Std Dev 20.66

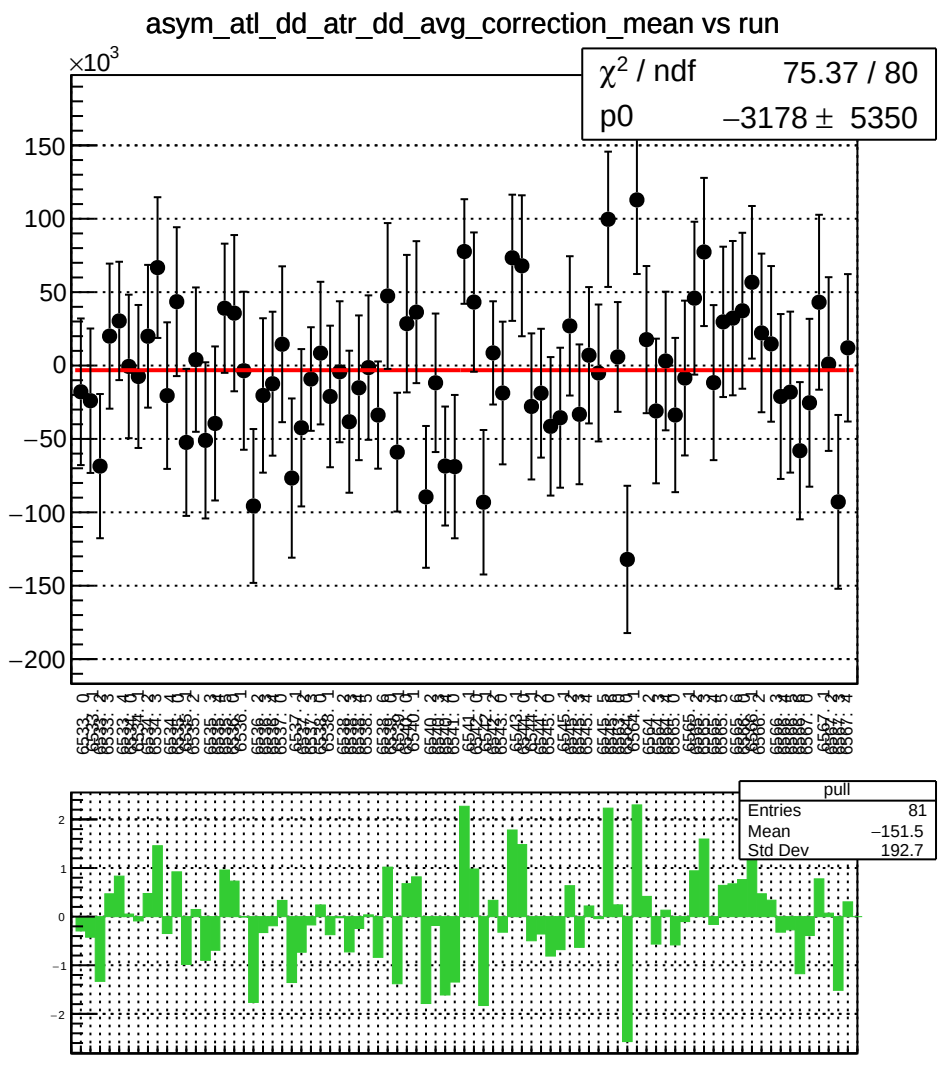

pull1D
Entries 81
Mean −0.01076
Std Dev 1.006

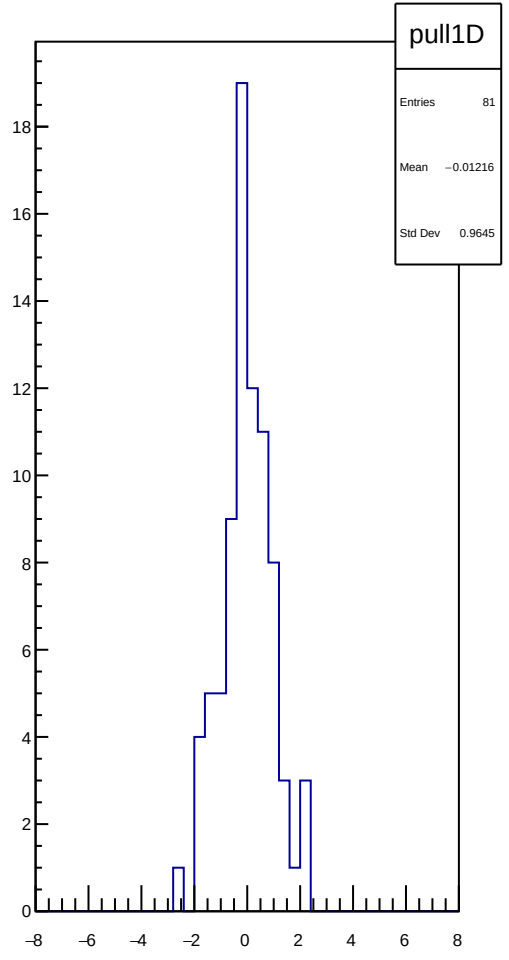

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.223e+04 / 80
p0 1421 ± 1.13
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

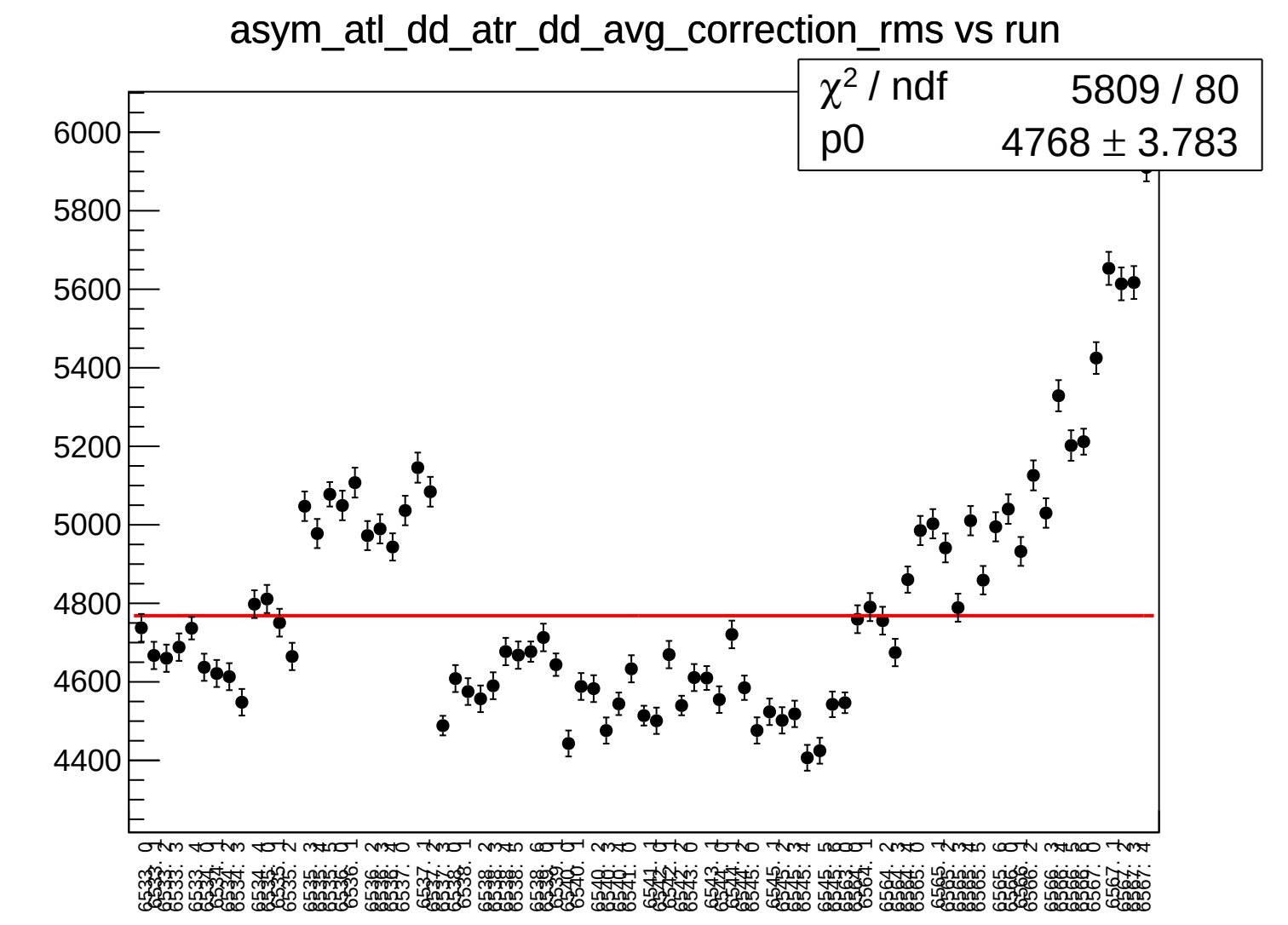

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 66.57 / 80
p0 −730.4 ± 1565
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 342
Std Dev 303.8
2
1
0
−1
−2

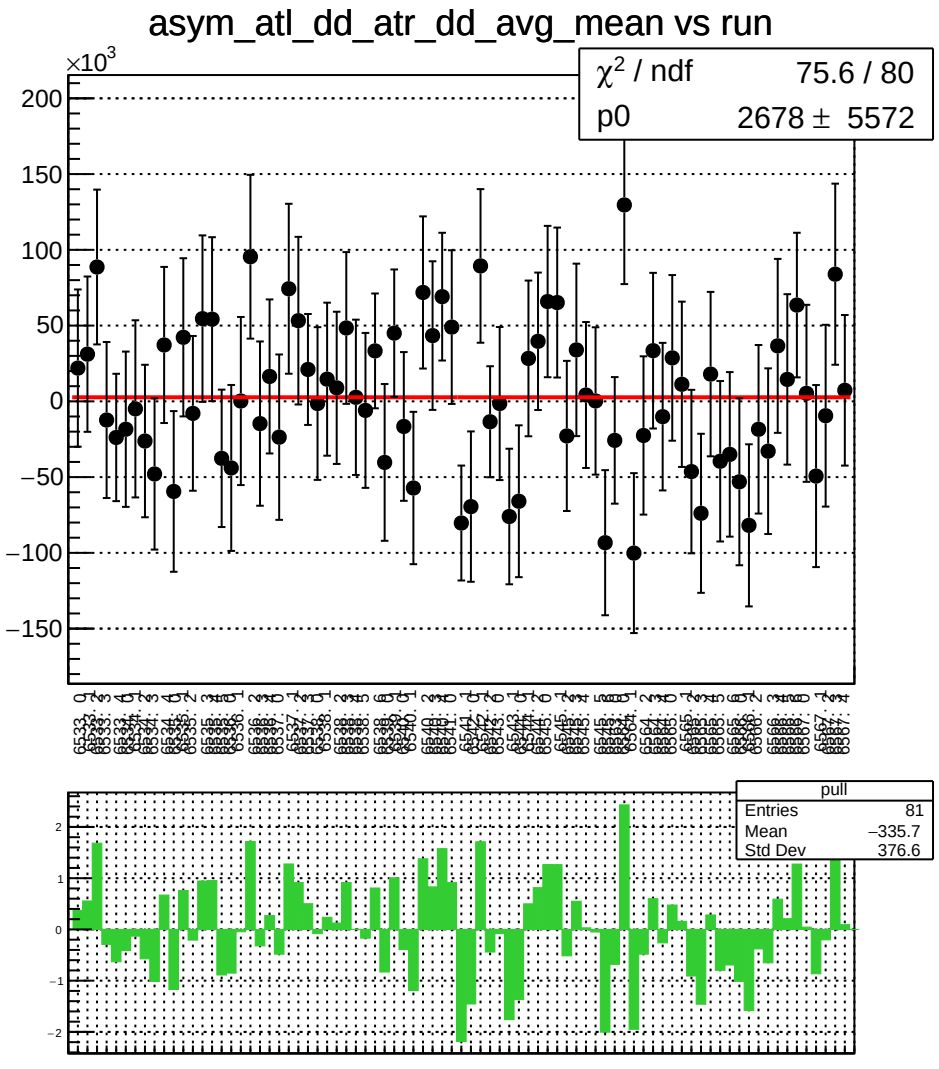

pull1D
Entries 81
Mean −0.006197
Std Dev 0.9065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

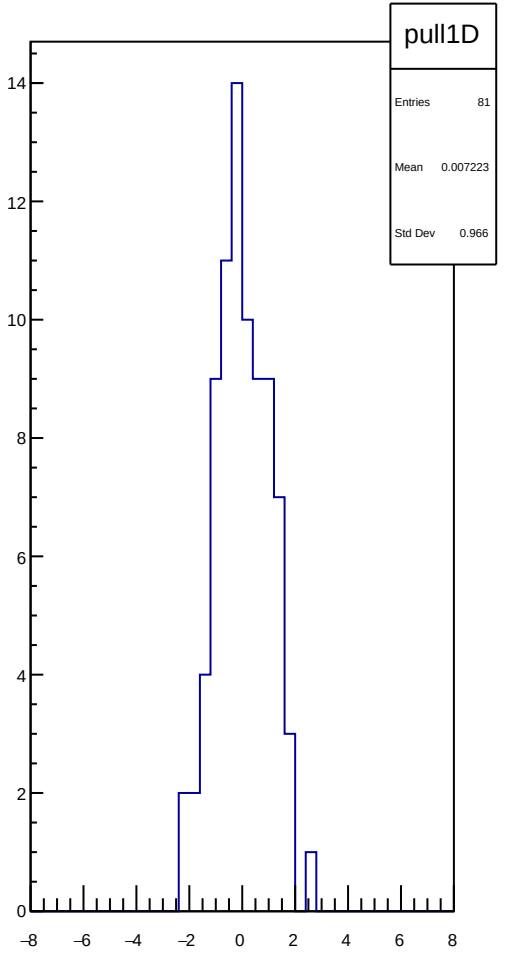

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.127e+04 / 80
p0 1393 ± 1.107
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

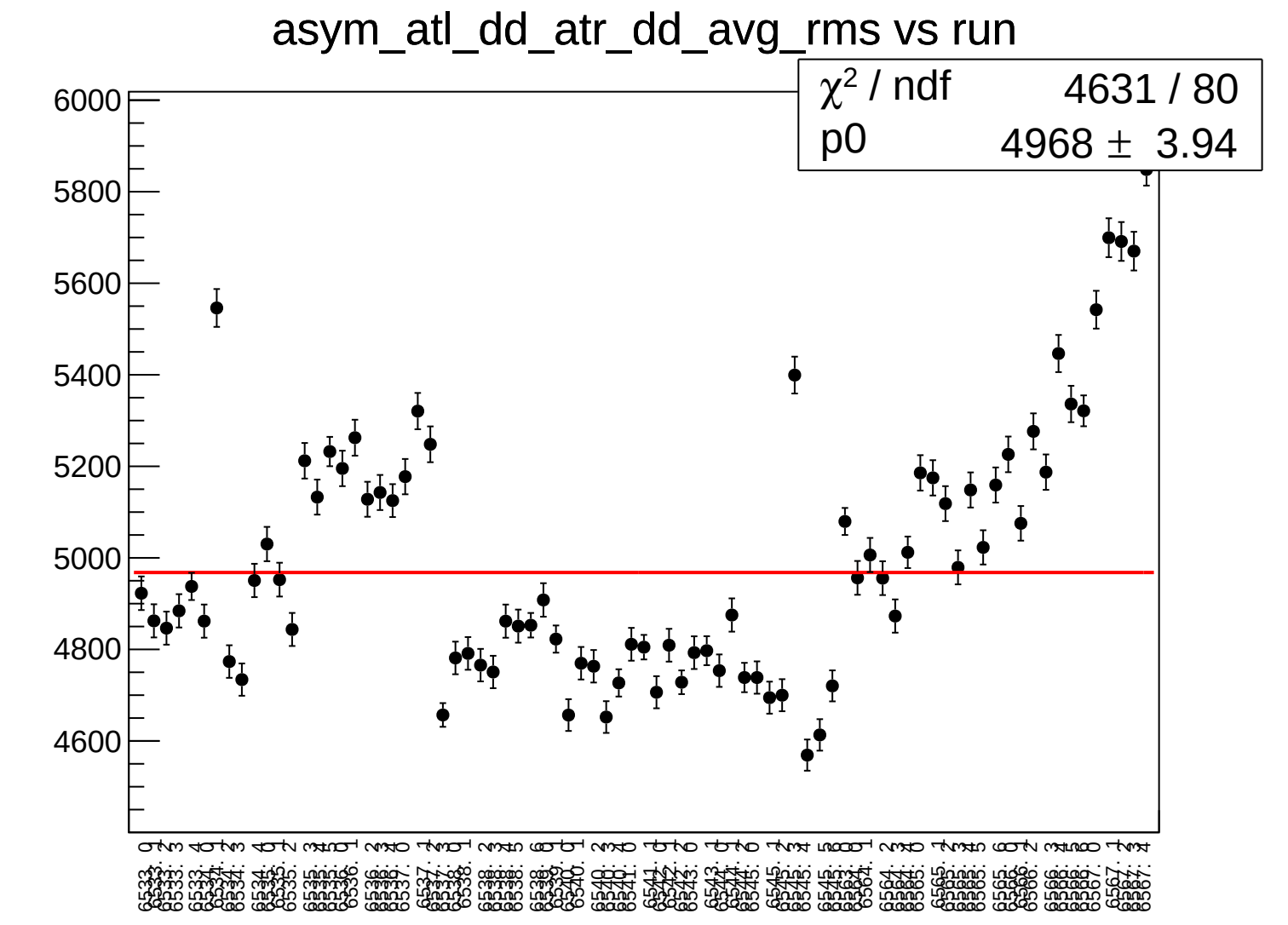

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 75.37 / 80
p0 −3178 ± 5350
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −151.5
Std Dev 192.7
2
1
0
−1
−2

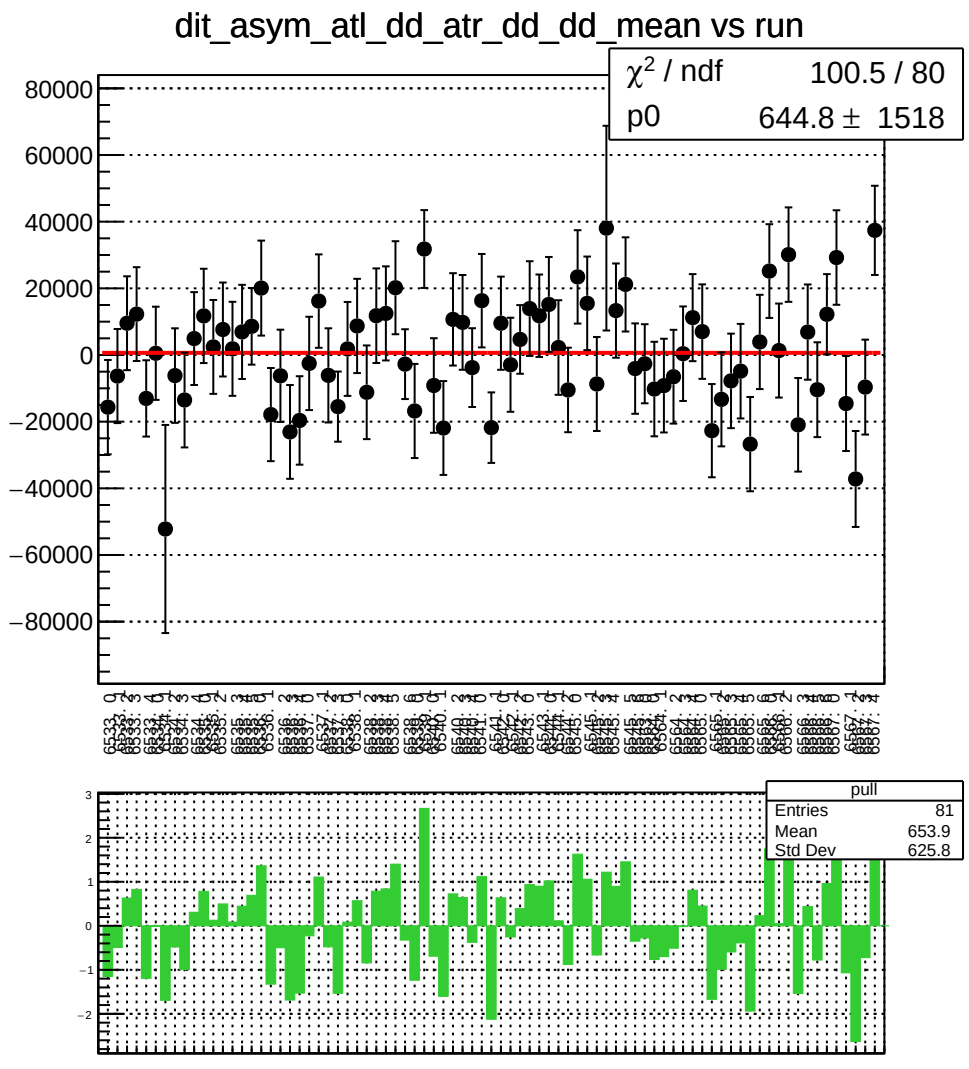

pull1D
Entries 81
Mean −0.01216
Std Dev 0.9645
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

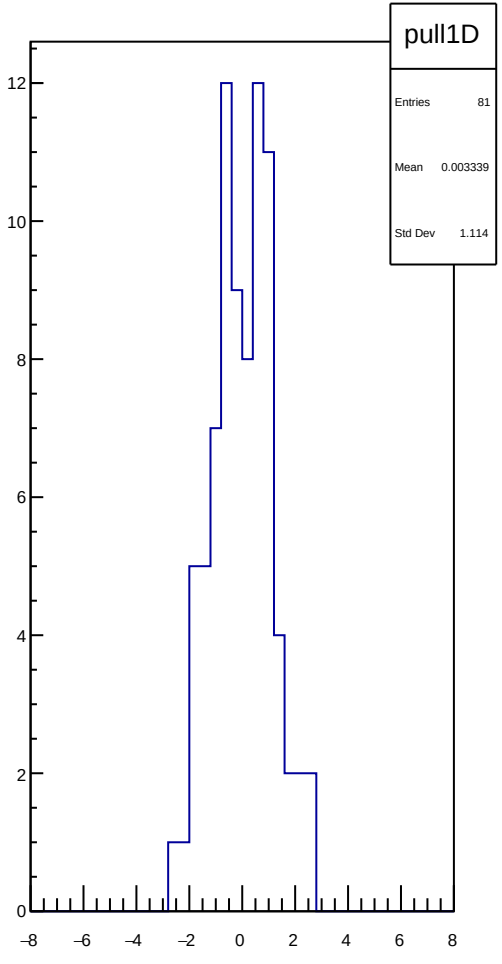

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5809 / 80
p0 4768 ± 3.783
6000
5800
5600
5400
5200
5000
4800
4600
4400

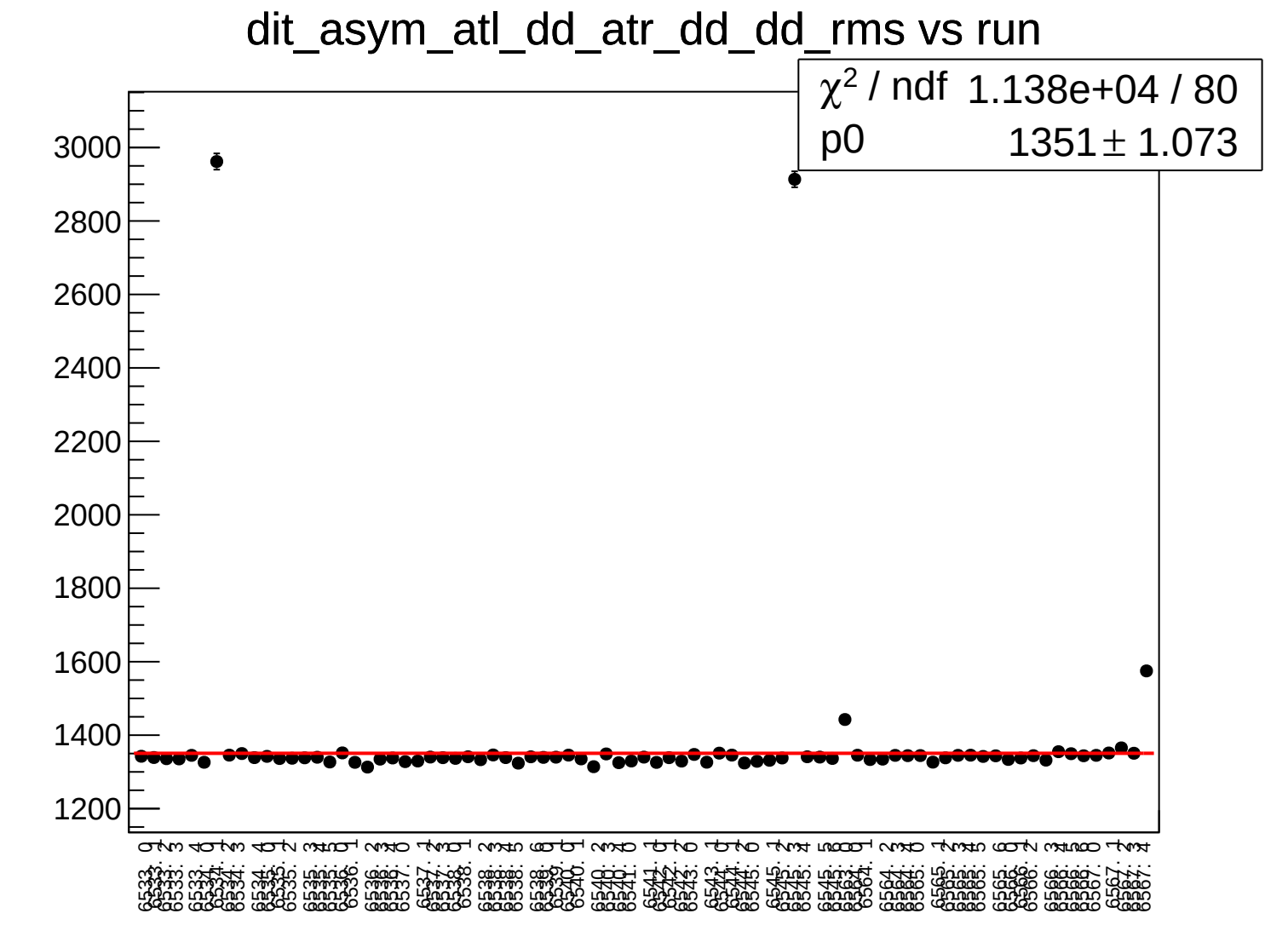

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 75.6 / 80
p0 2678 ± 5572
pull
Entries 81
Mean −335.7
Std Dev 376.6

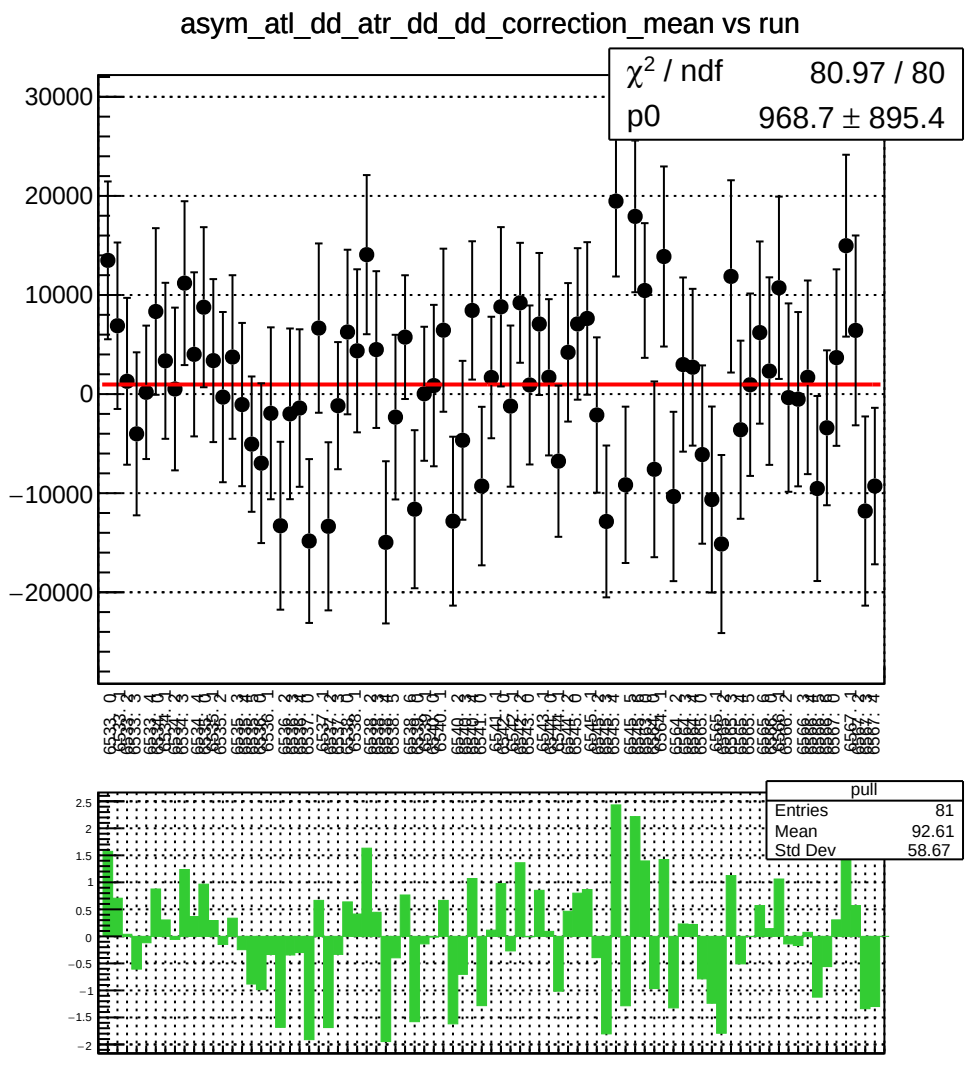

pull1D
Entries 81
Mean 0.007223
Std Dev 0.966

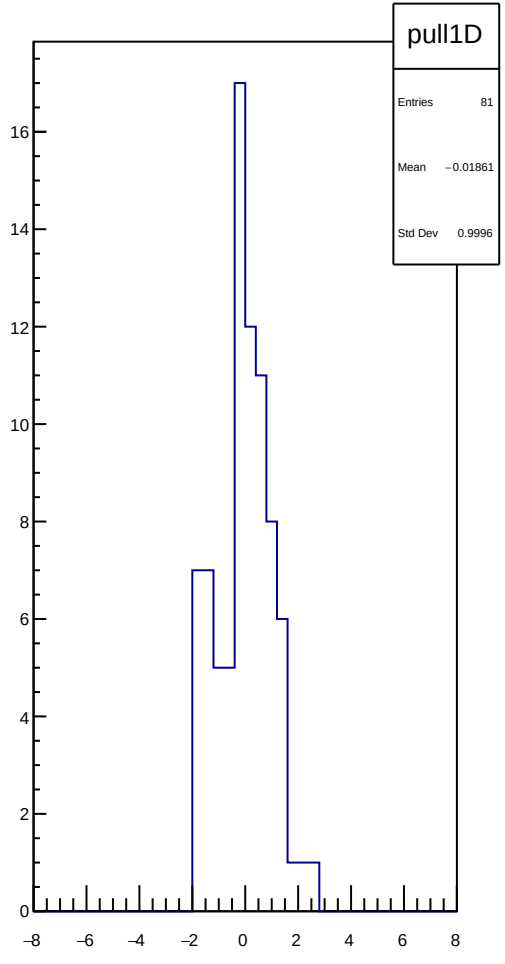

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4631 / 80
p0 4968 ± 3.94
6000
5800
5600
5400
5200
5000
4800
4600

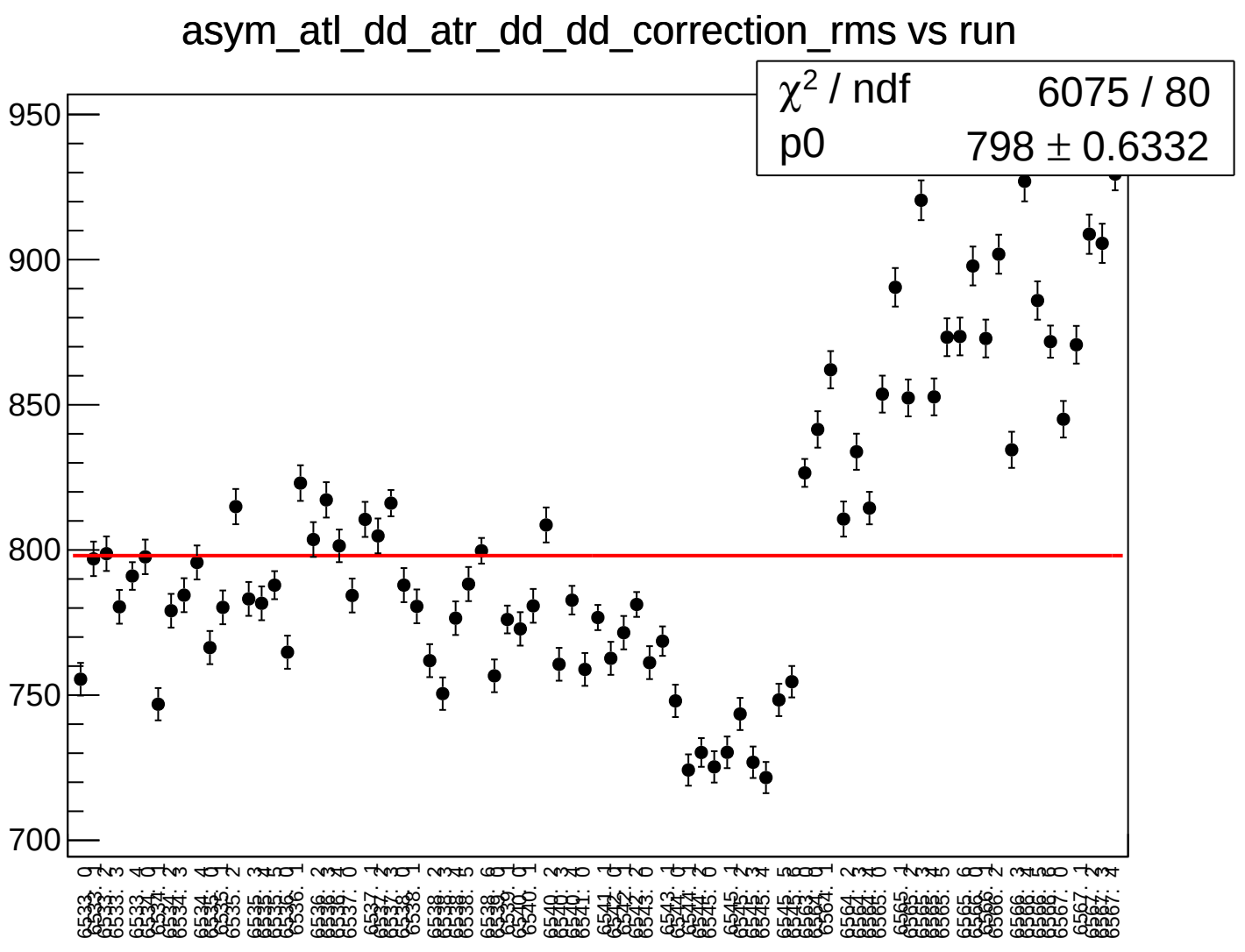

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 100.5 / 80
p0 644.8 ± 1518
pull
Entries 81
Mean 653.9
Std Dev 625.8

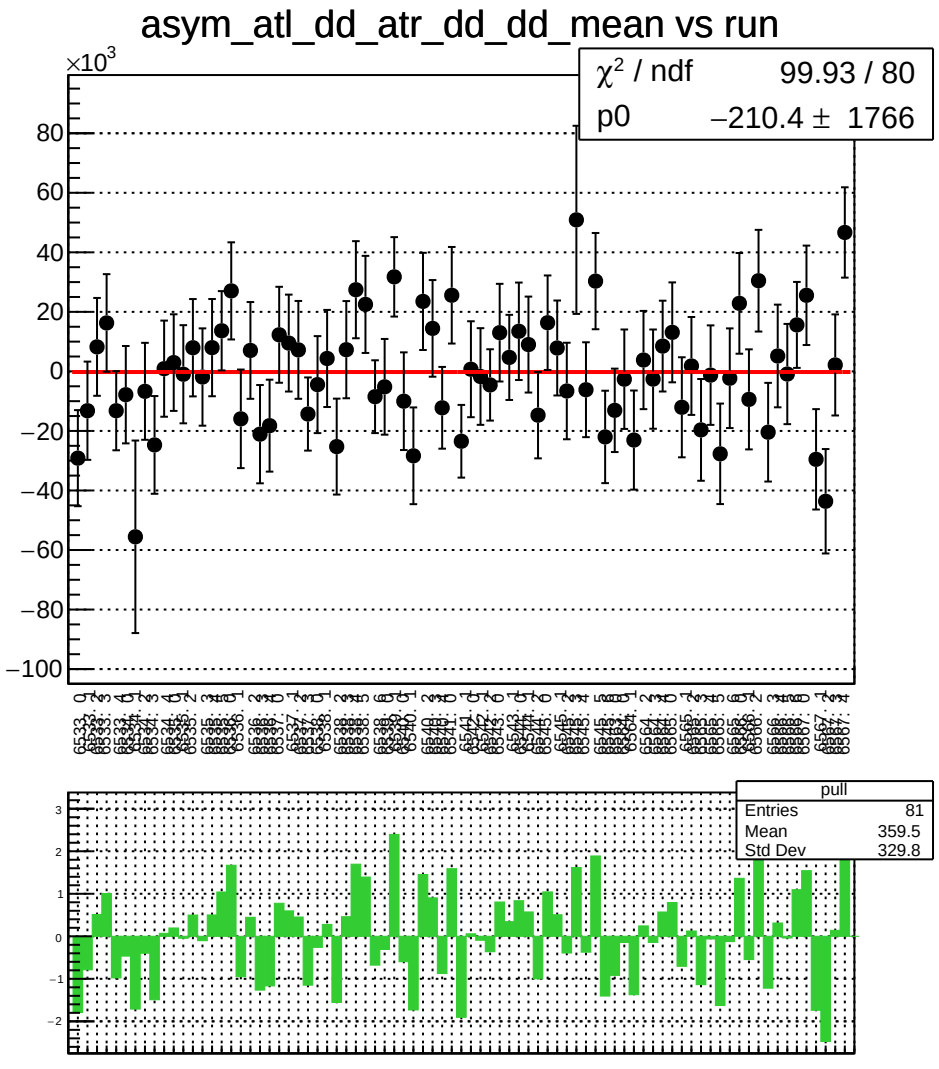

pull1D
Entries 81
Mean 0.003339
Std Dev 1.114

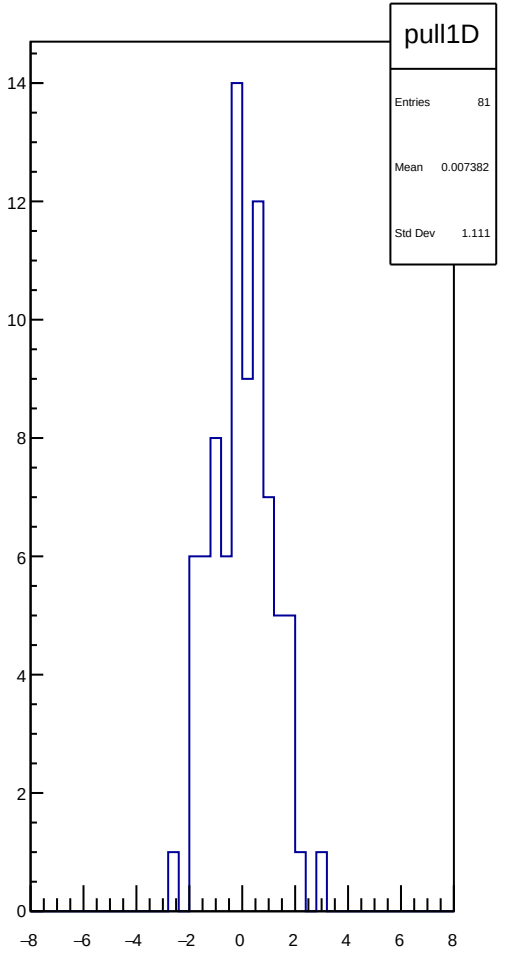

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.138e+04 / 80
p0 1351 ± 1.073
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

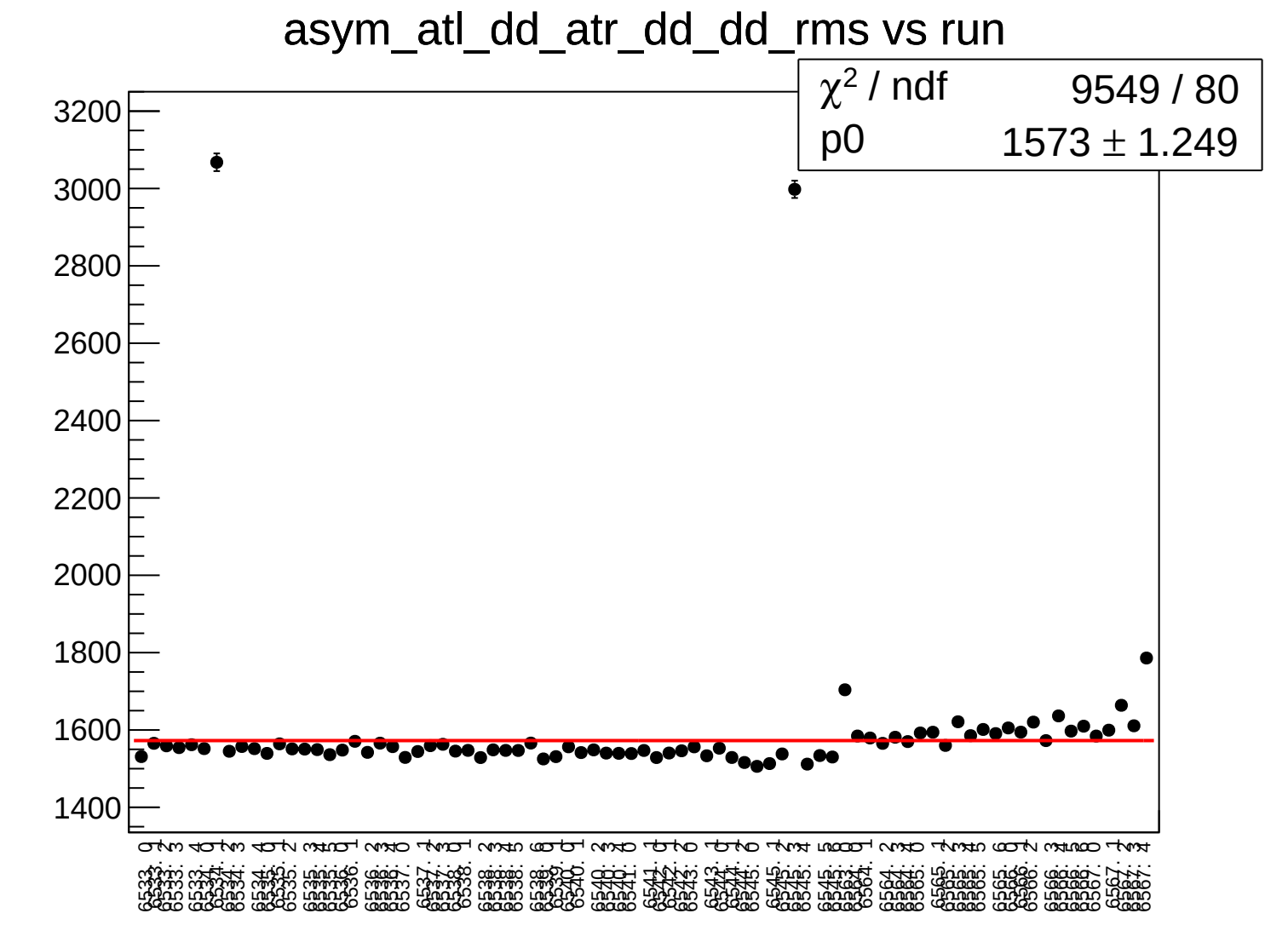

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 80.97 / 80
p0 968.7 ± 895.4
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 92.61
Std Dev 58.67
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

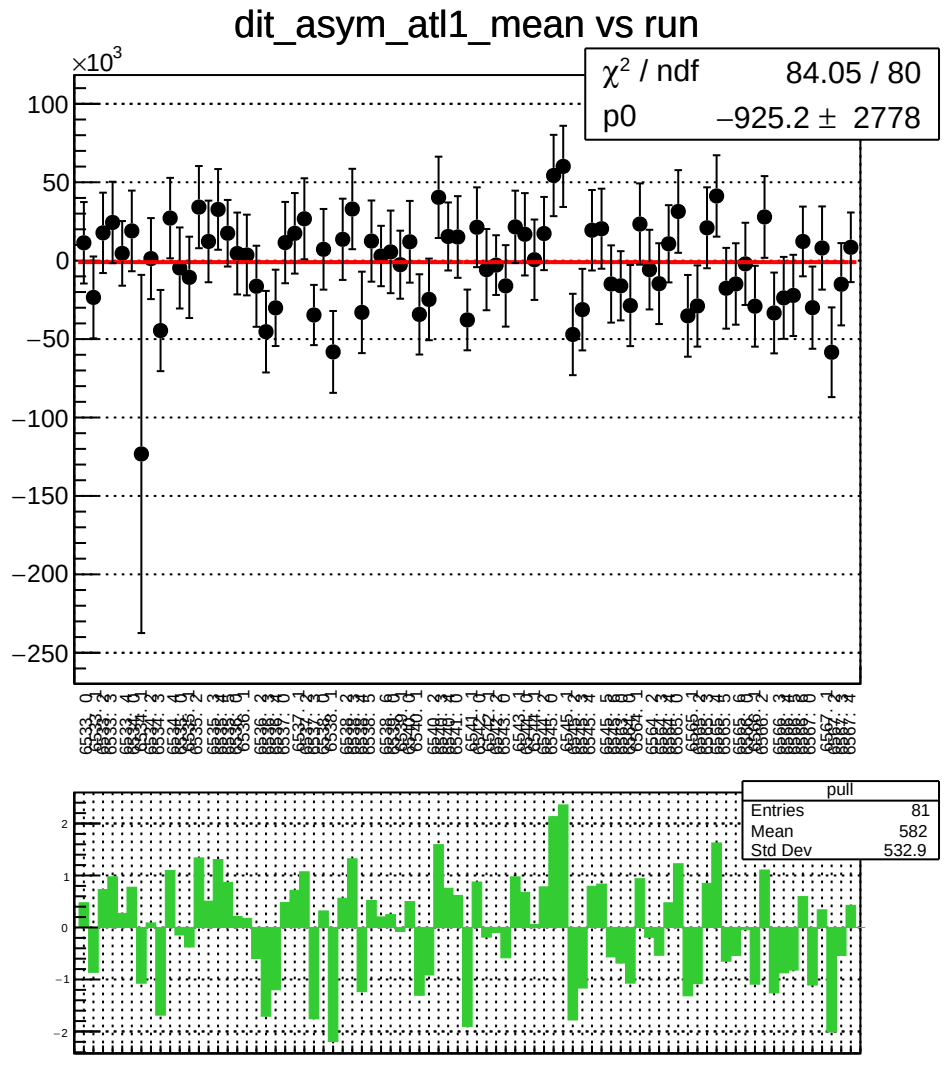

pull1D
Entries 81
Mean −0.01861
Std Dev 0.9996
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

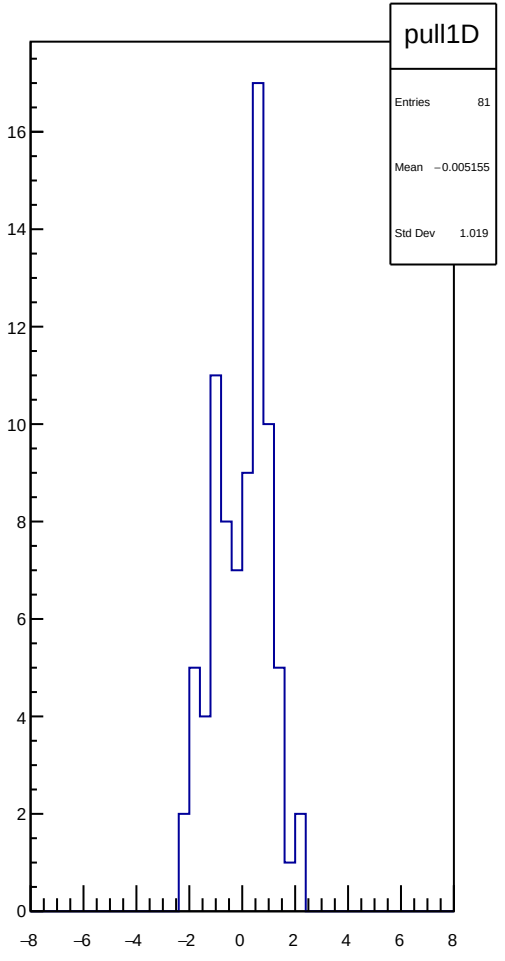

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 6075 / 80
p0 798 ± 0.6332
950
900
850
800
750
700

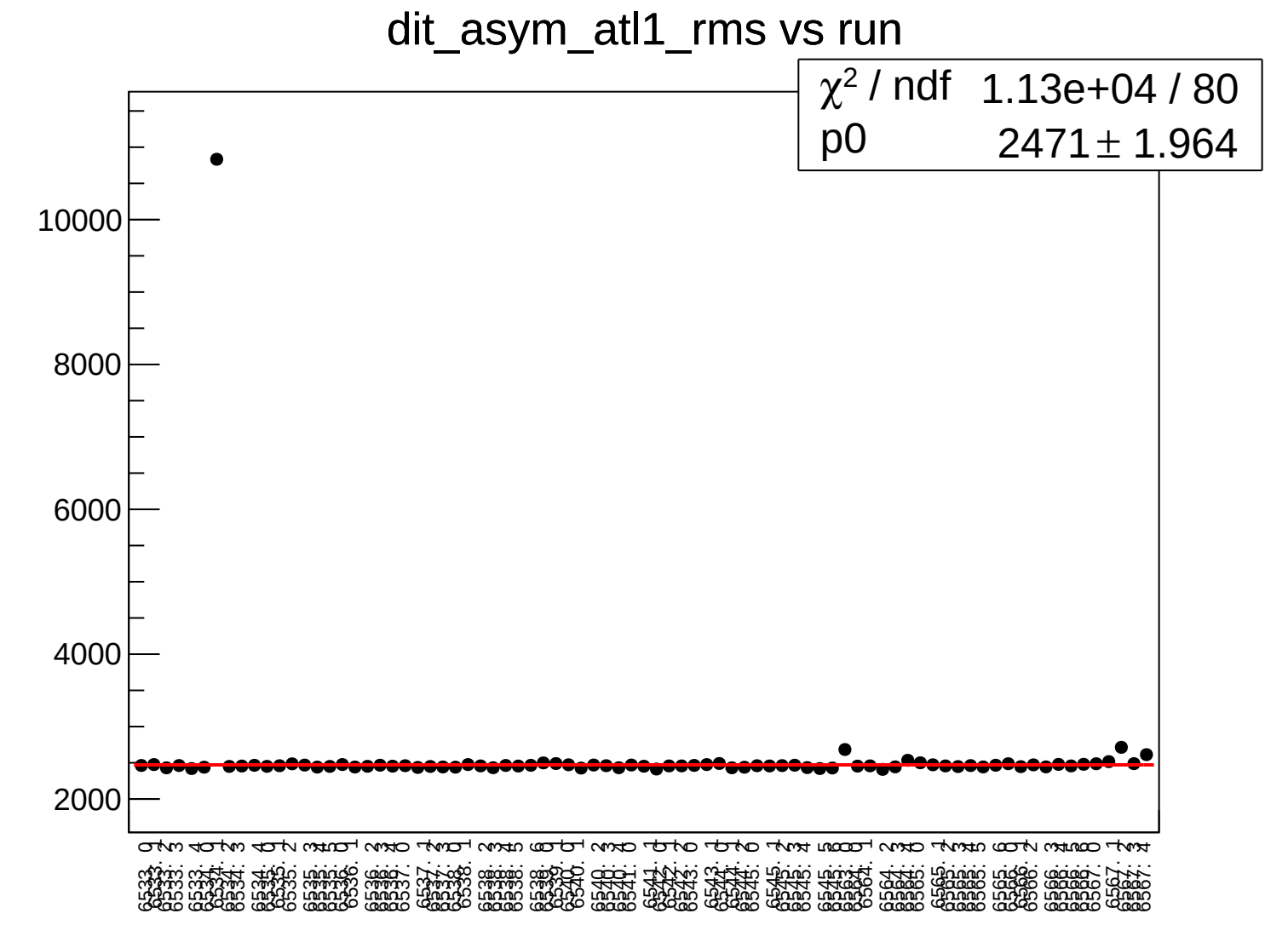

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 99.93 / 80
p0 −210.4 ± 1766
pull
Entries 81
Mean 359.5
Std Dev 329.8

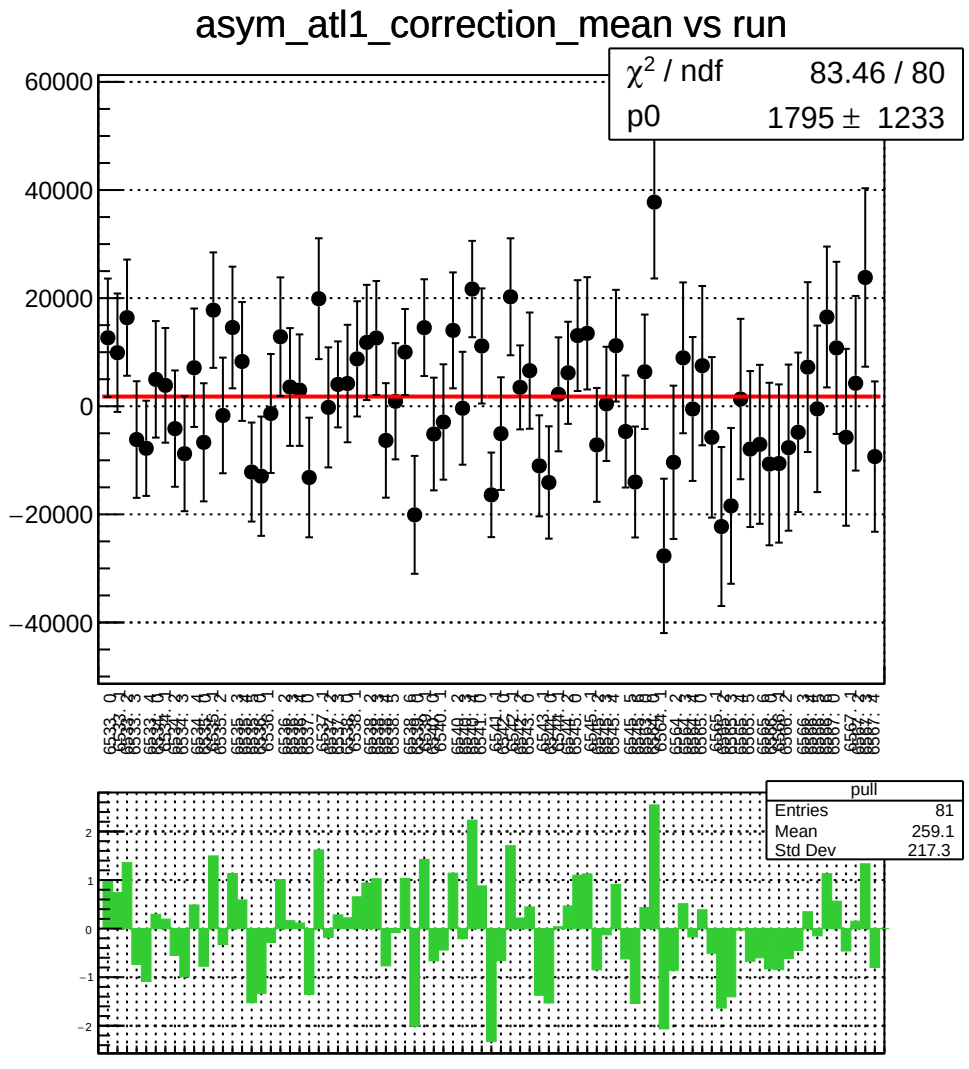

pull1D
Entries 81
Mean 0.007382
Std Dev 1.111

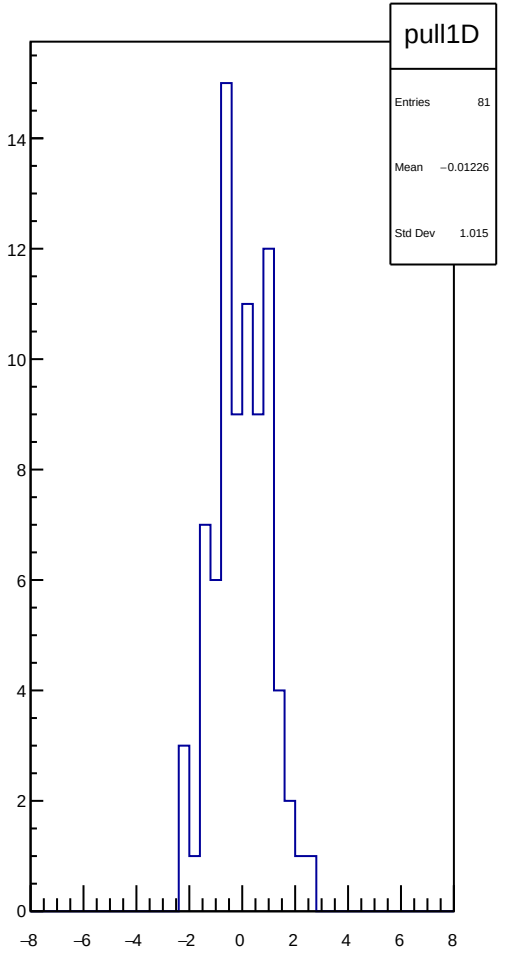

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 9549 / 80
p0 1573 ± 1.249
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

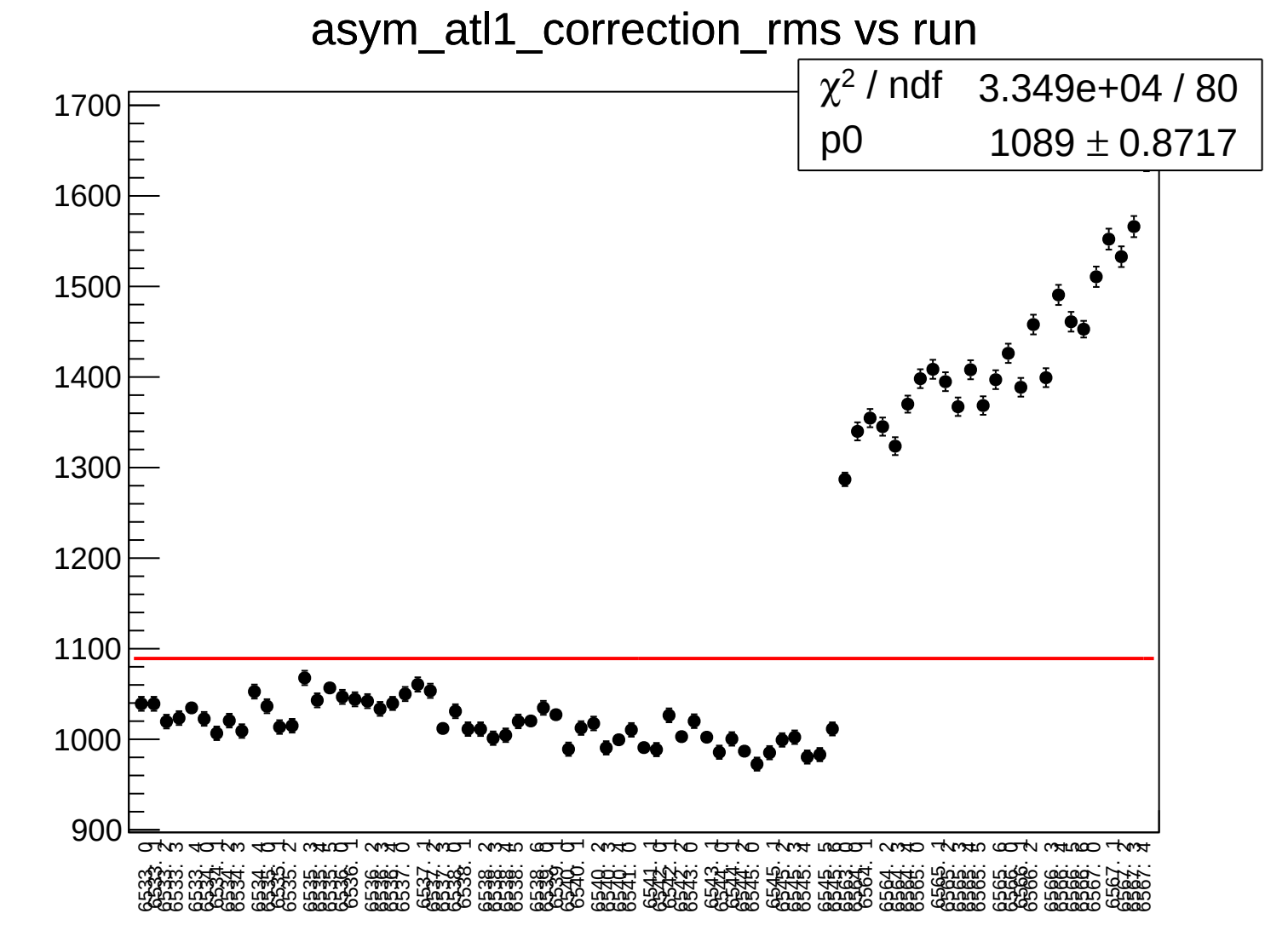

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 84.05 / 80
p0 −925.2 ± 2778
pull
Entries 81
Mean 582
Std Dev 532.9

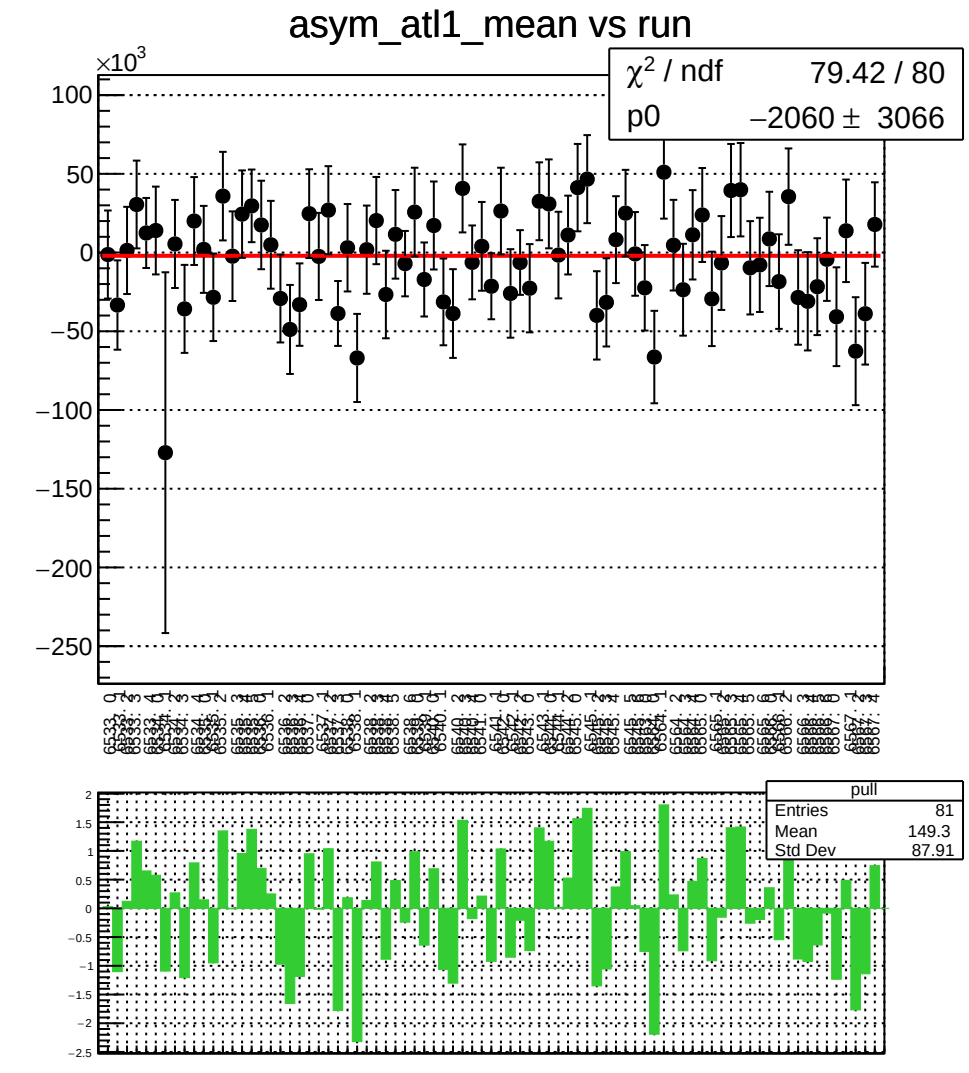

pull1D
Entries 81
Mean −0.005155
Std Dev 1.019

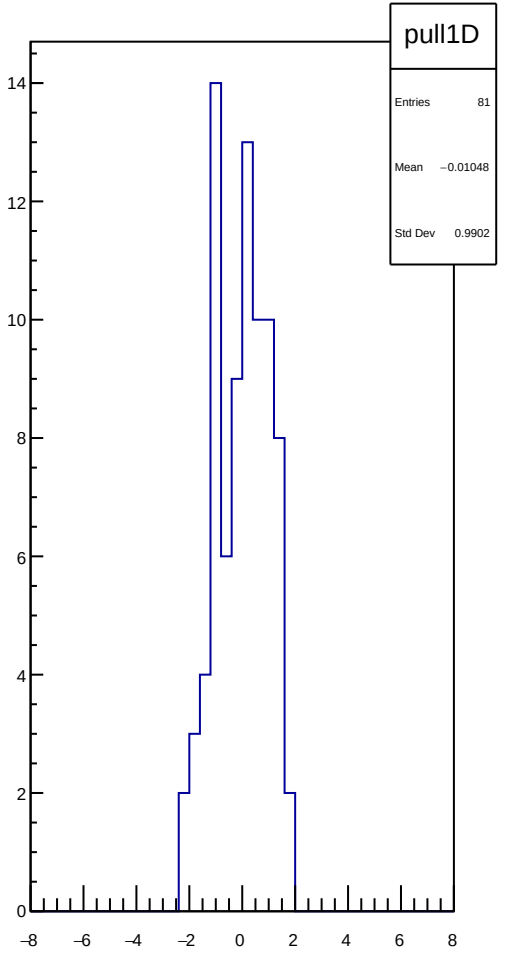

dit_asym_atl1_rms vs run
χ² / ndf 1.13e+04 / 80
p0 2471 ± 1.964
10000
8000
6000
4000
2000

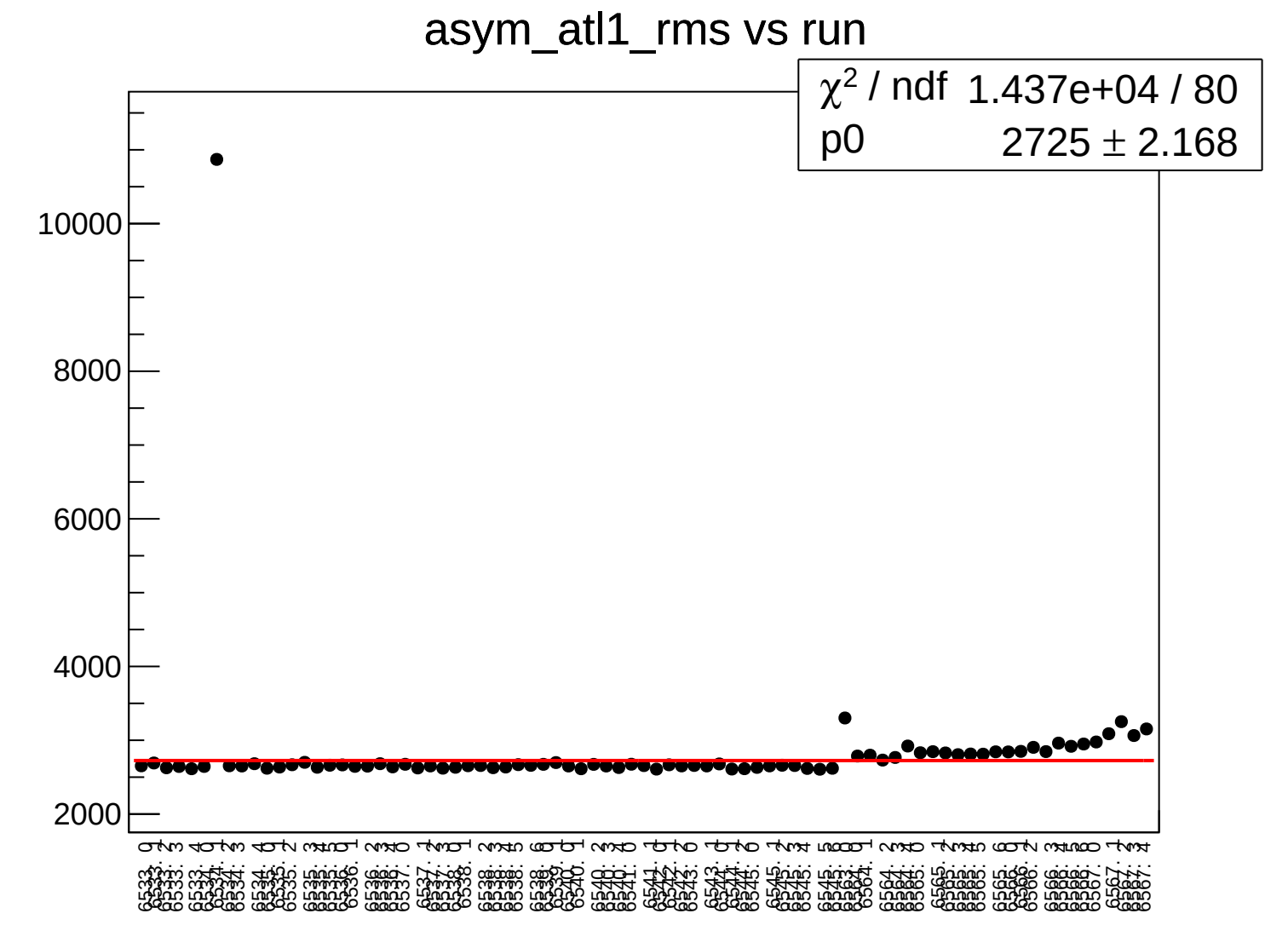

asym_atl1_correction_mean vs run
χ² / ndf 83.46 / 80
p0 1795 ± 1233
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 259.1
Std Dev 217.3
2
1
0
−1
−2

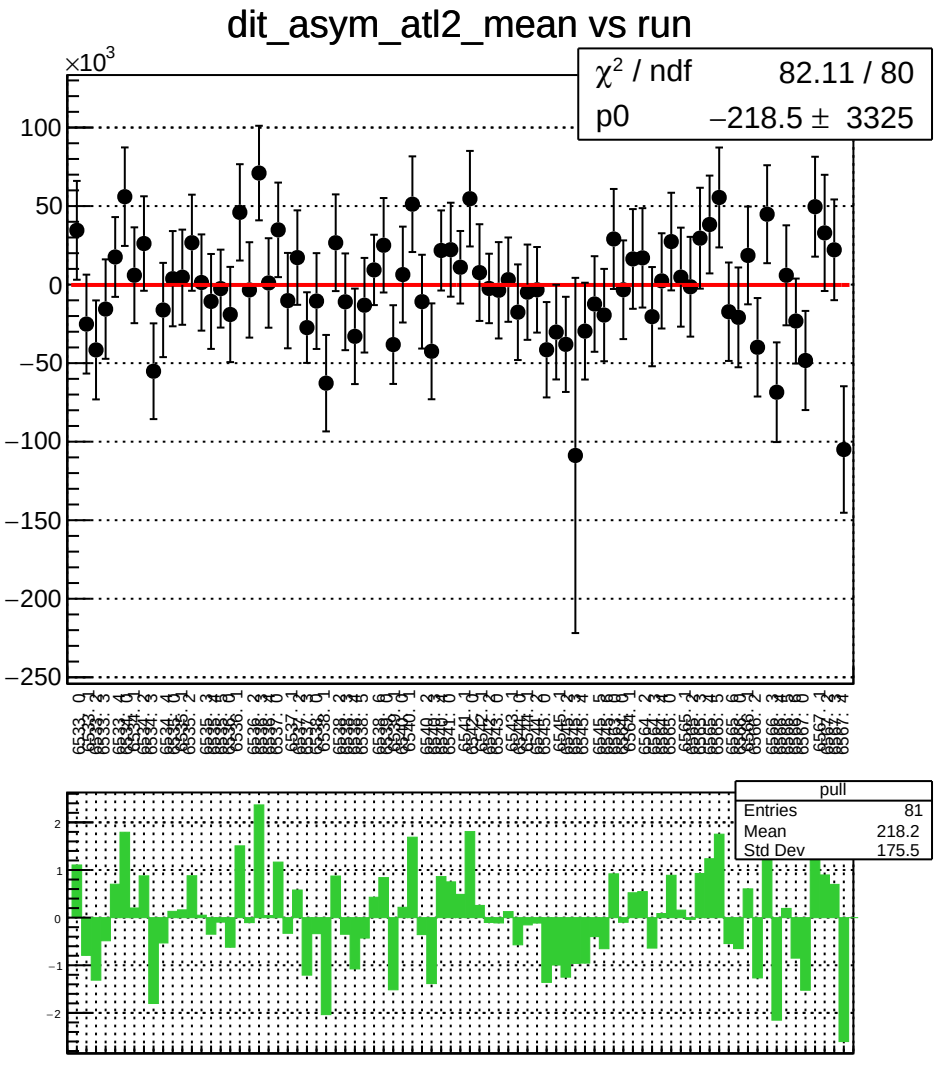

pull1D
Entries 81
Mean −0.01226
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

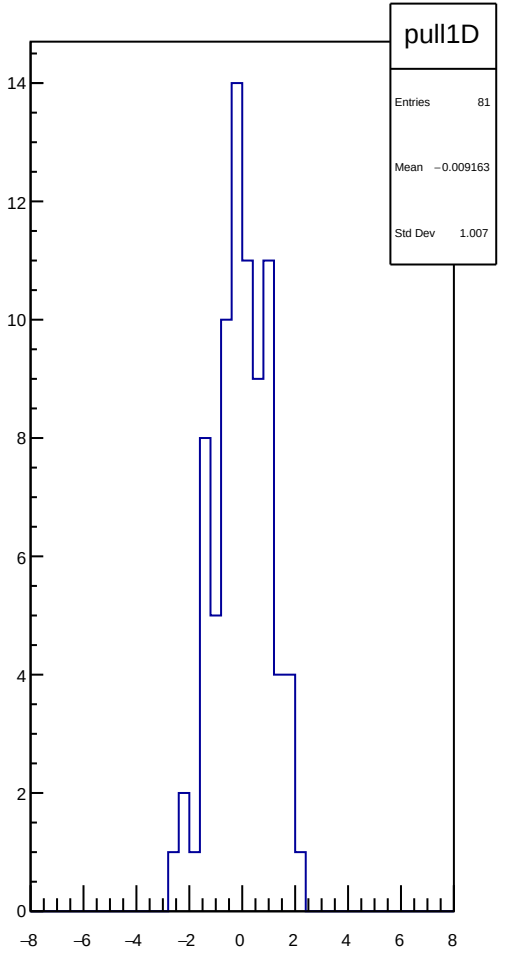

asym_atl1_correction_rms vs run
χ² / ndf 3.349e+04 / 80
p0 1089 ± 0.8717
1700
1600
1500
1400
1300
1200
1100
1000
900

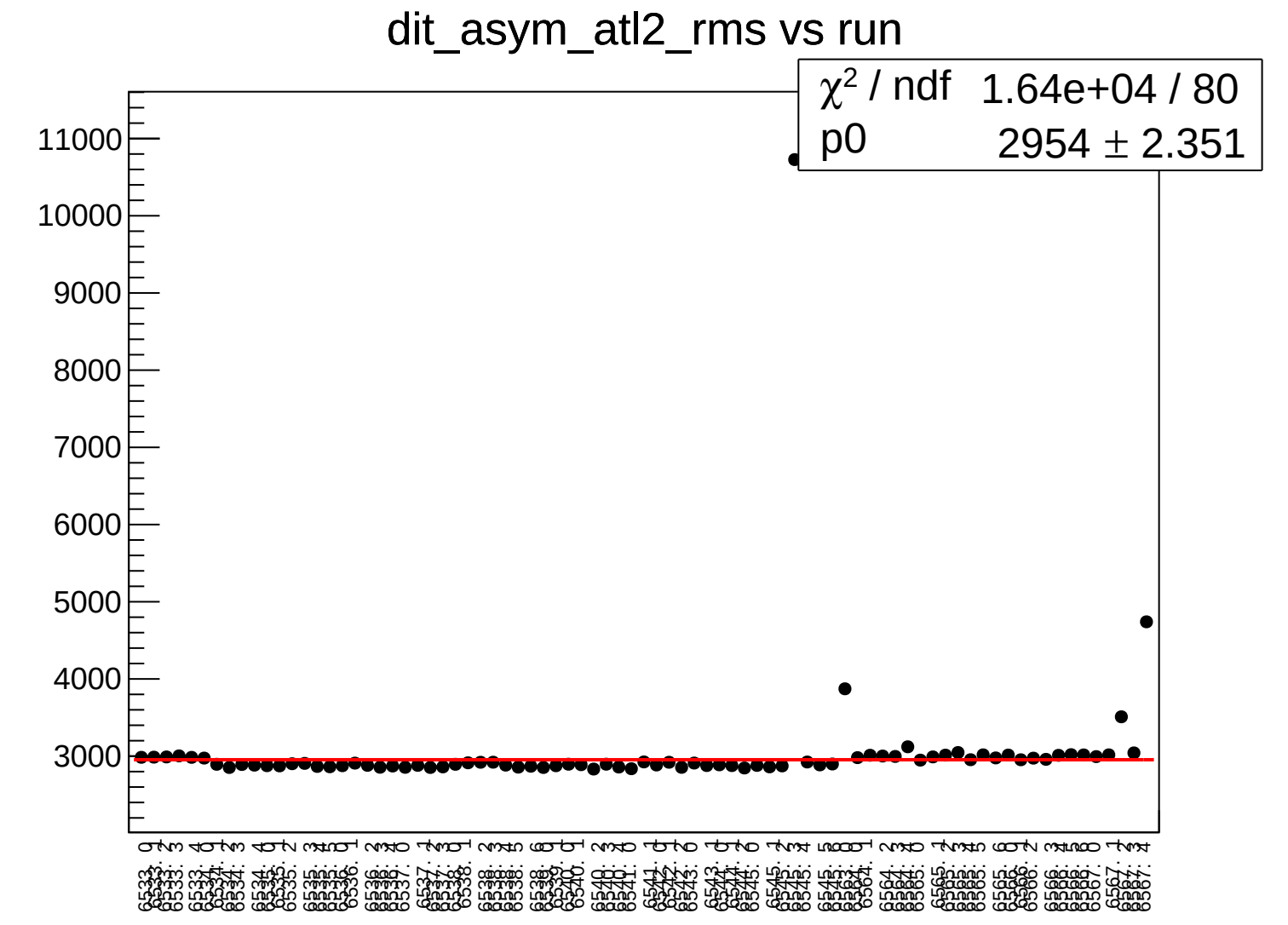

asym_atl1_mean vs run
×10^3
χ^2 / ndf 79.42 / 80
p0 −2060 ± 3066
pull
Entries 81
Mean 149.3
Std Dev 87.91

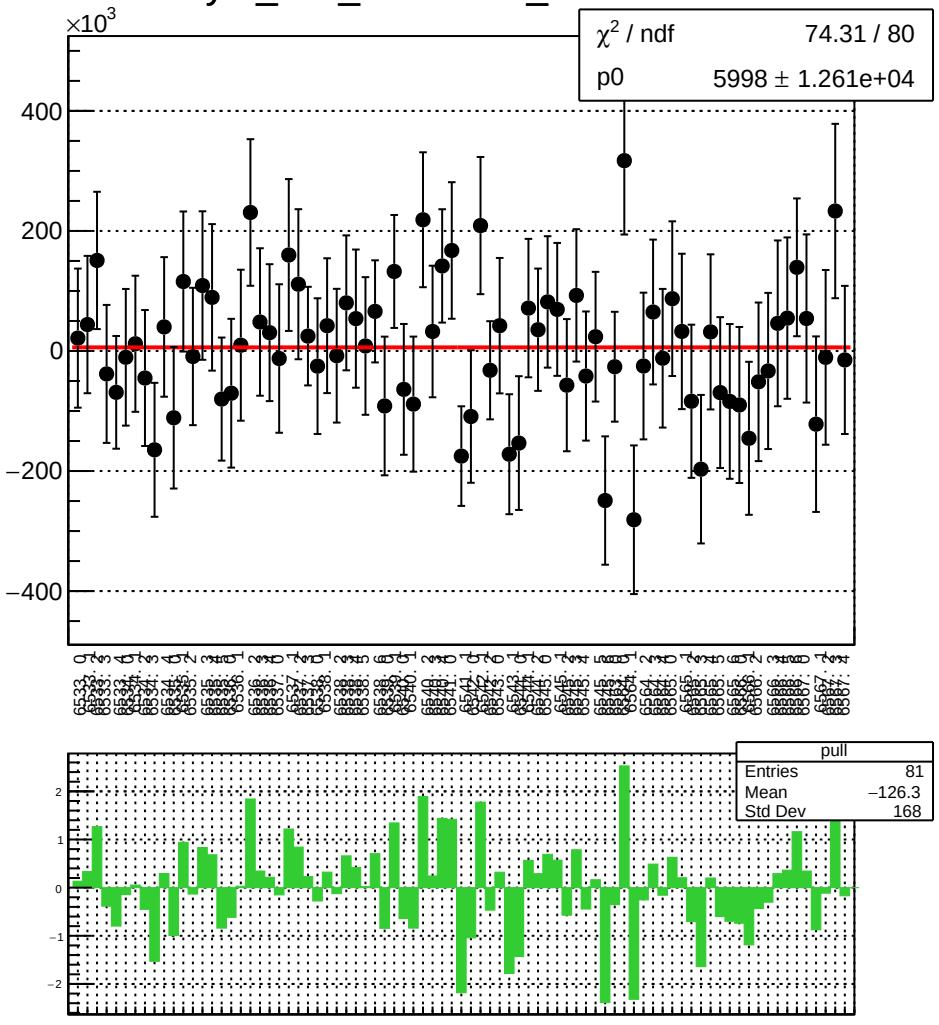

pull1D
Entries 81
Mean −0.01048
Std Dev 0.9902

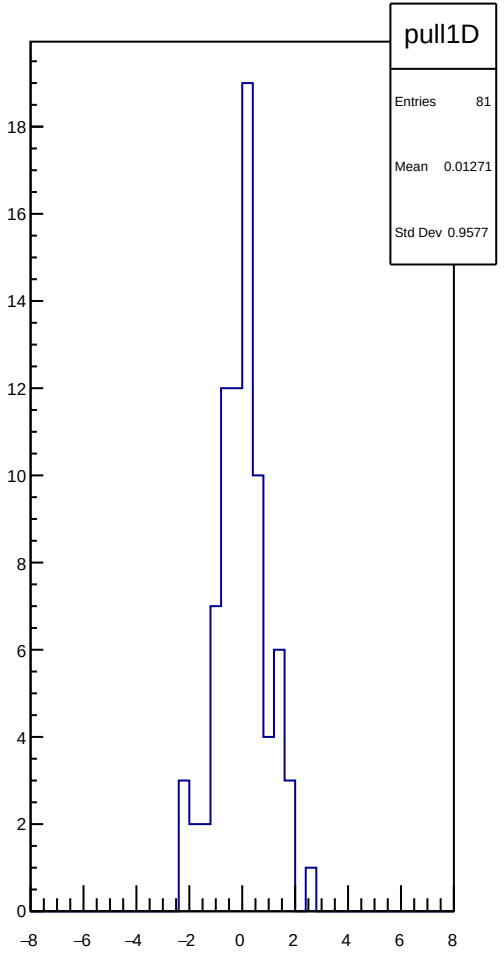

asym_atl1_rms vs run
χ² / ndf 1.437e+04 / 80
p0 2725 ± 2.168
10000
8000
6000
4000
2000


dit_asym_atl2_mean vs run
×10^3
χ² / ndf 82.11 / 80
p0 −218.5 ± 3325
100
50
0
−50
−100
−150
−200
−250
pull
Entries 81
Mean 218.2
Std Dev 175.5
2
1
0
−1
−2

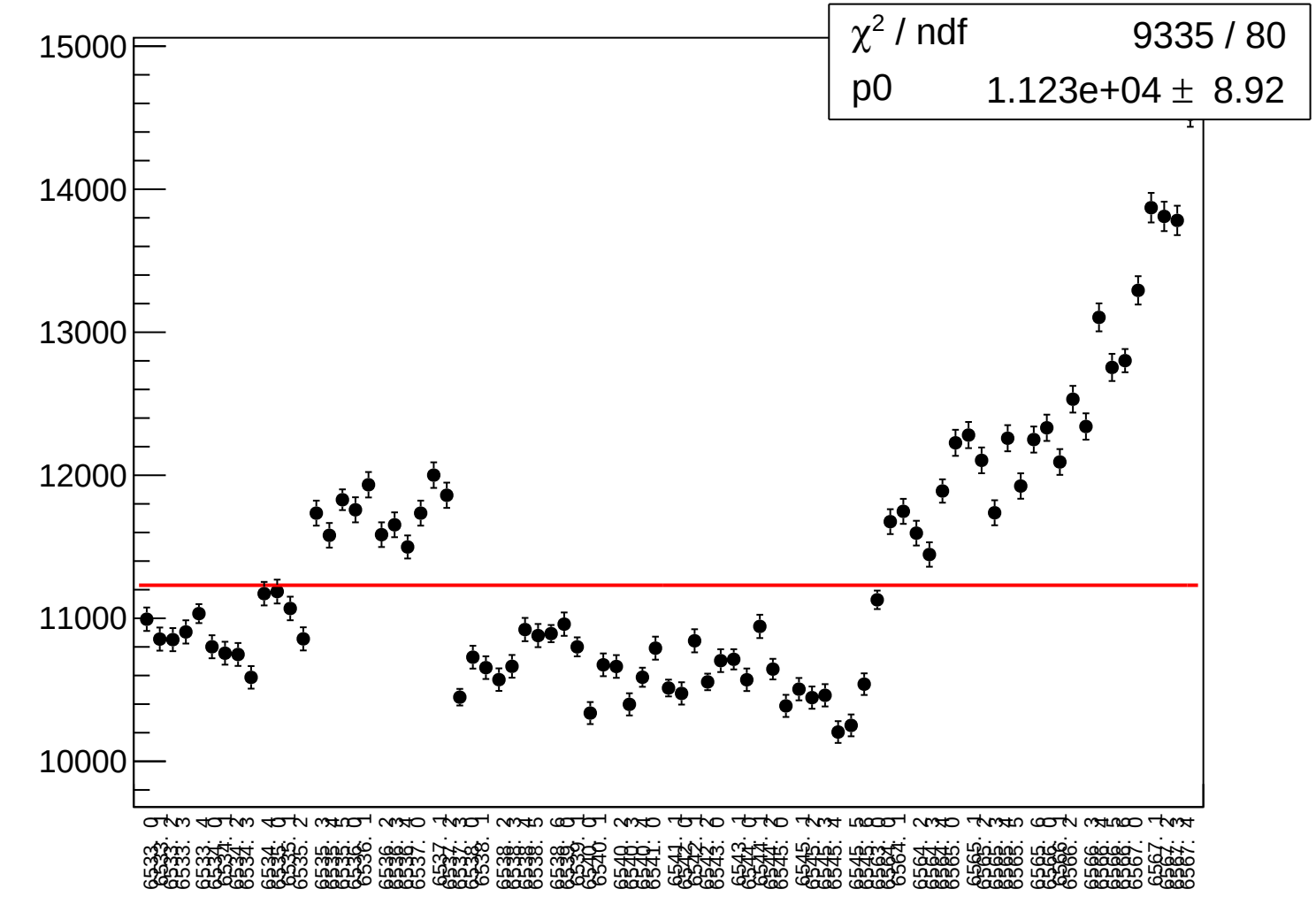

pull1D
Entries 81
Mean −0.009163
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

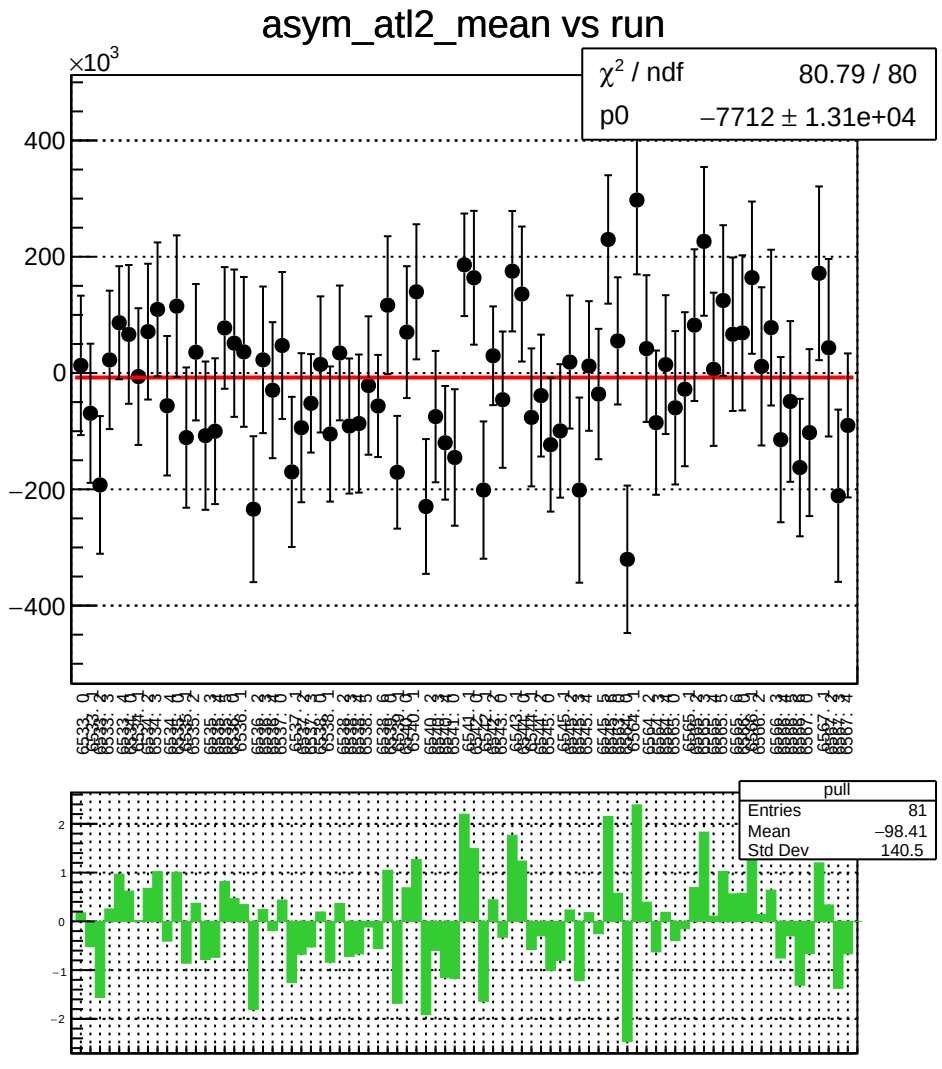

dit_asym_atl2_rms vs run
χ² / ndf 1.64e+04 / 80
p0 2954 ± 2.351
11000
10000
9000
8000
7000
6000
5000
4000
3000

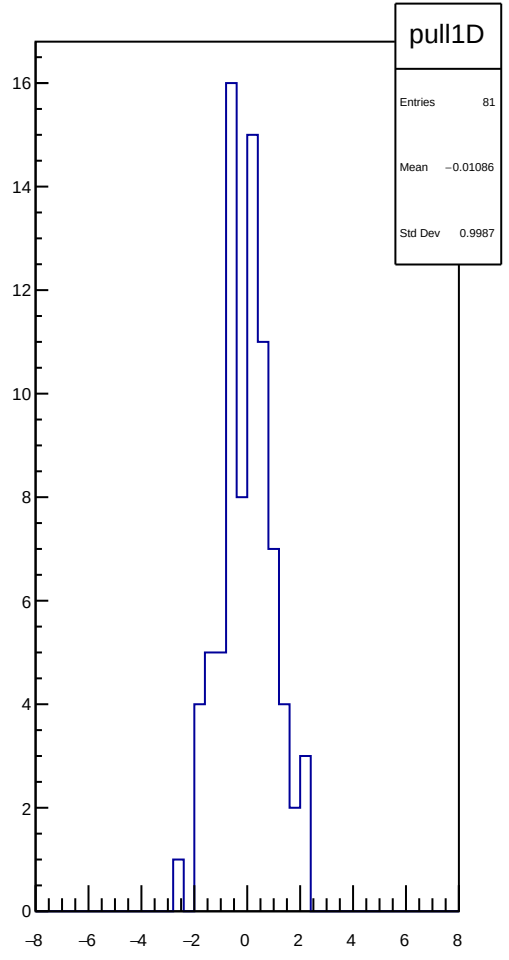

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 74.31 / 80
p0 5998 ± 1.261e+04
400
200
0
−200
−400
pull
Entries 81
Mean −126.3
Std Dev 168
2
1
0
−1
−2

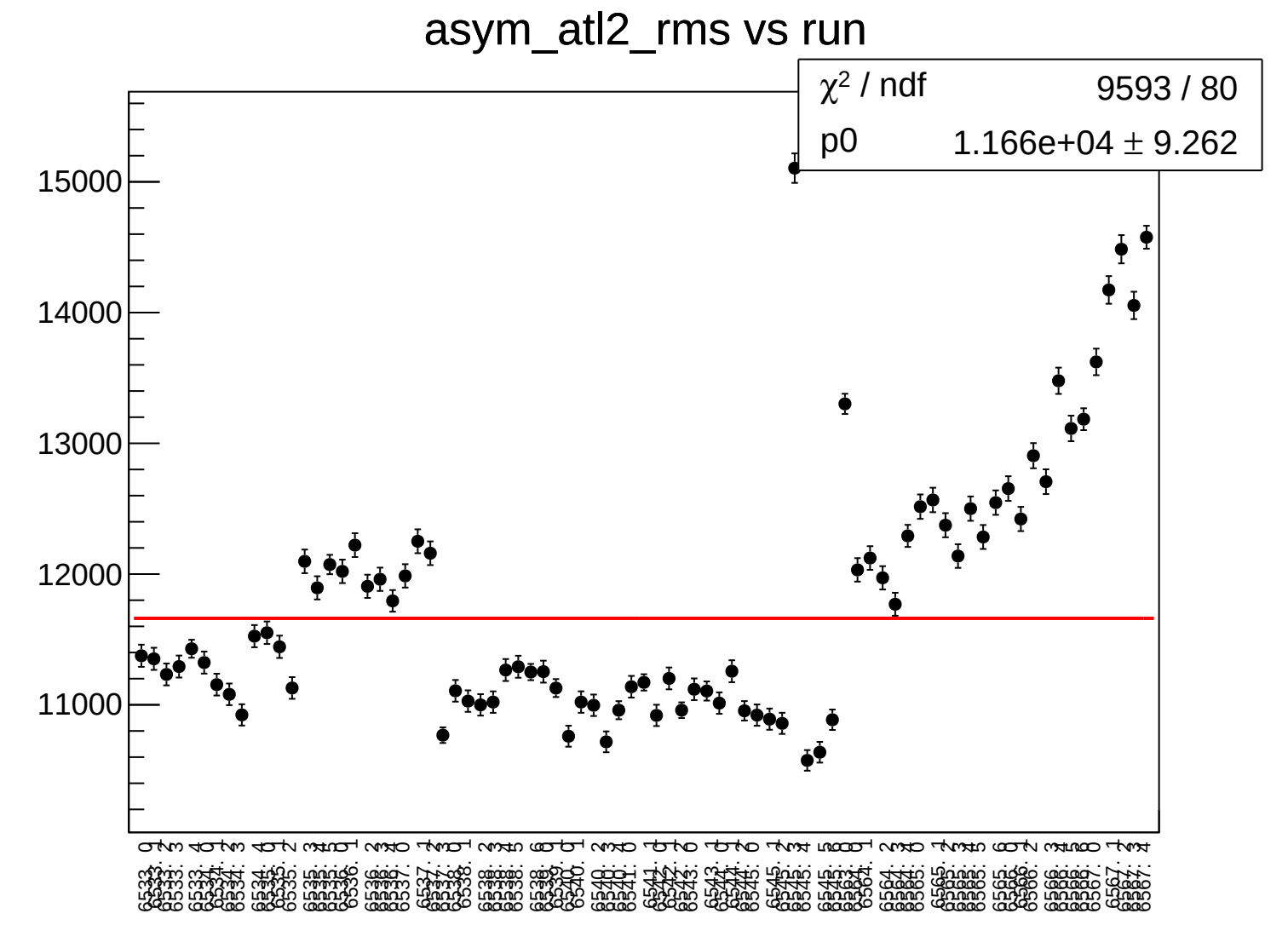

pull1D
Entries 81
Mean 0.01271
Std Dev 0.9577
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

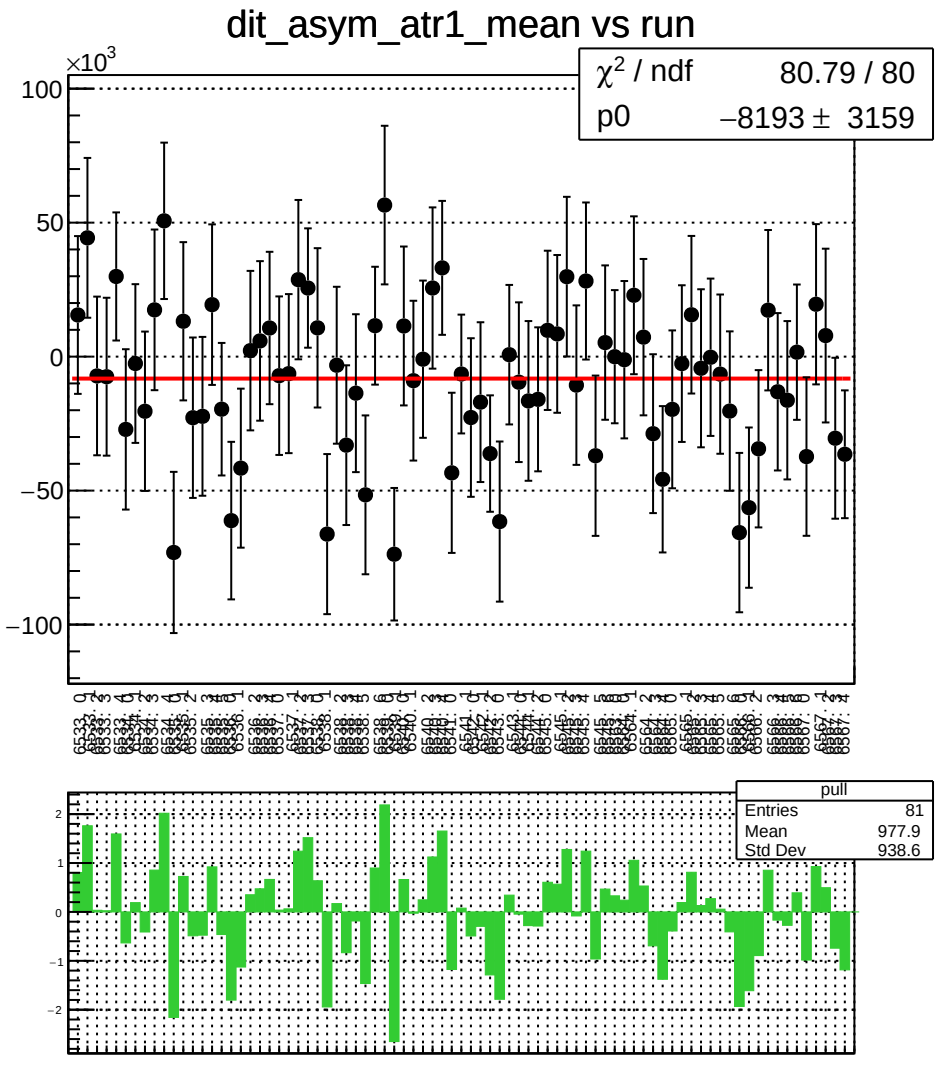
asym_atl2_correction_rms vs run

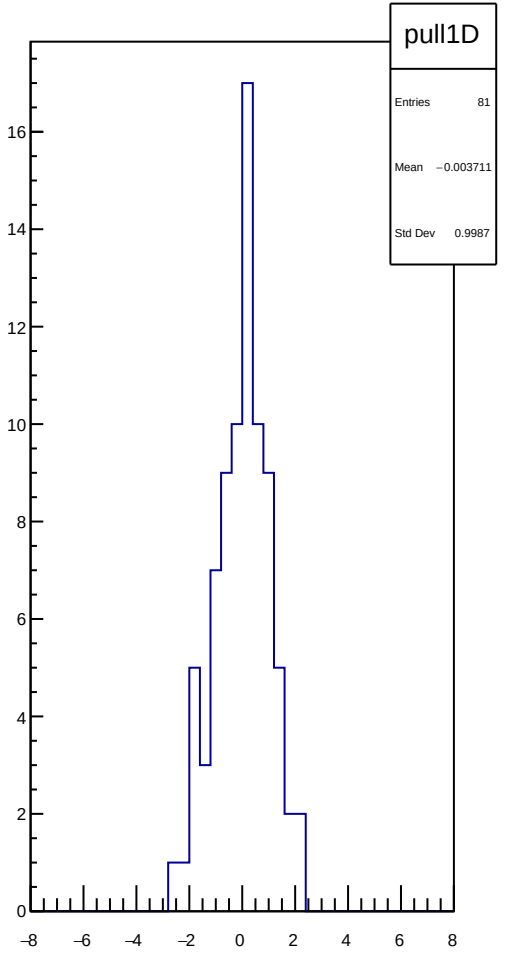


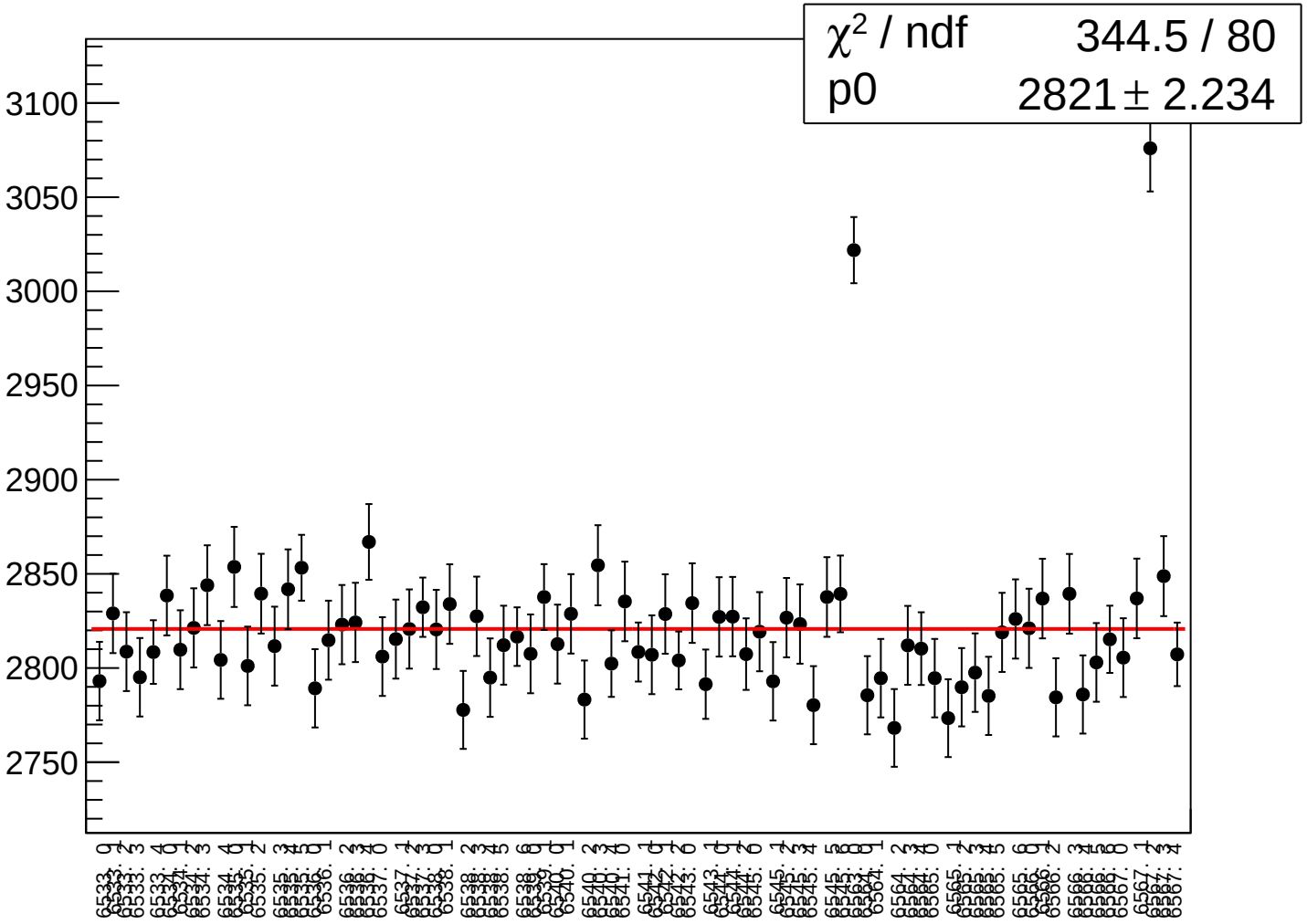

asym_atl2_mean vs run
×10^3
χ² / ndf 80.79 / 80
p0 −7712 ± 1.31e+04
400
200
0
−200
−400
pull
Entries 81
Mean −98.41
Std Dev 140.5
2
1
0
−1
−2

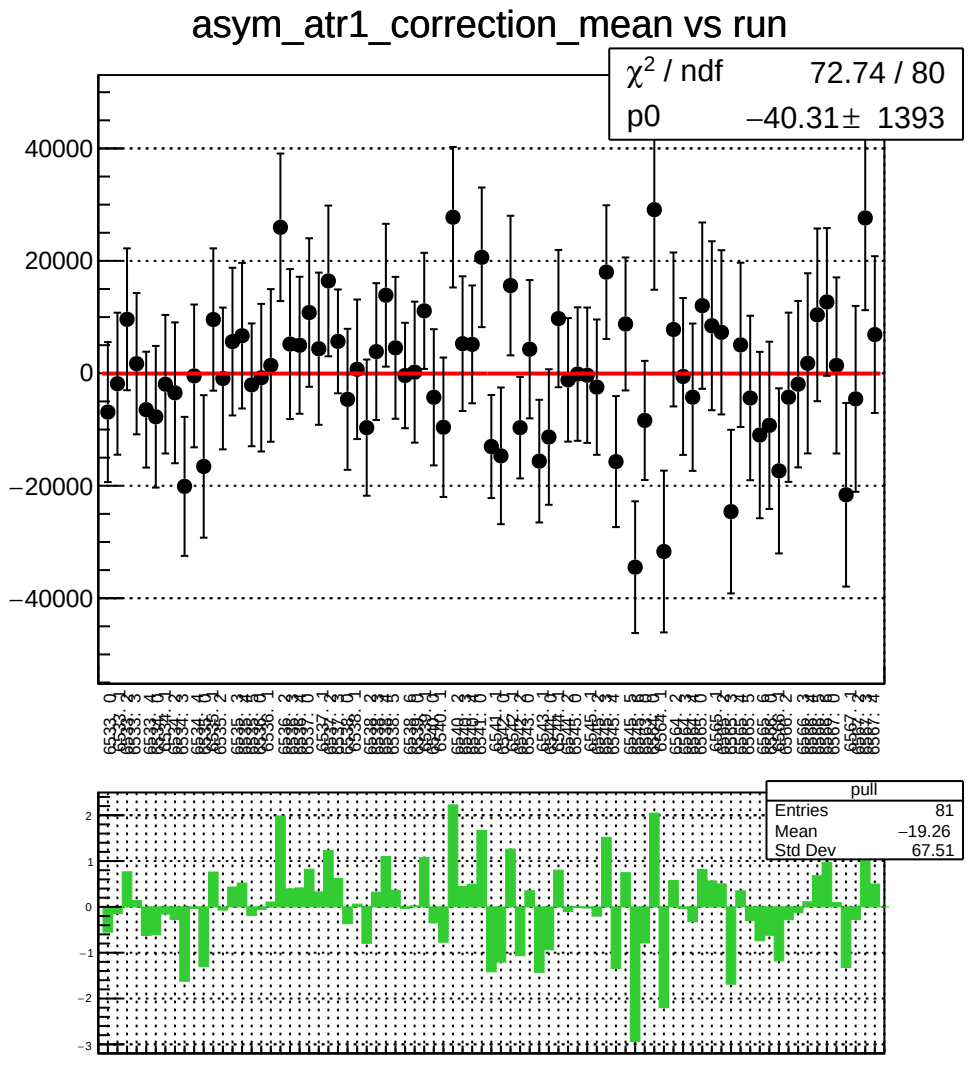

pull1D
Entries 81
Mean −0.01086
Std Dev 0.9987
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

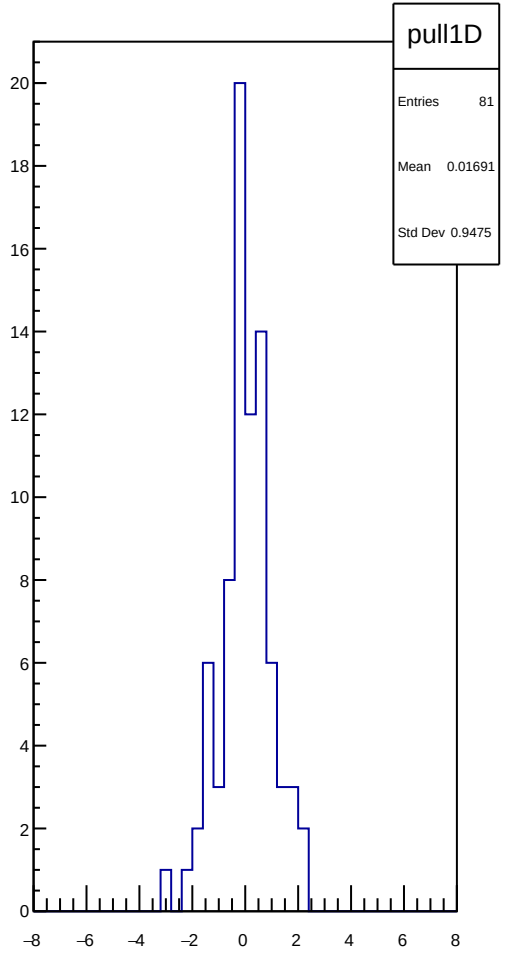

asym_atl2_rms vs run
χ² / ndf 9593 / 80
p0 1.166e+04 ± 9.262
15000
14000
13000
12000
11000

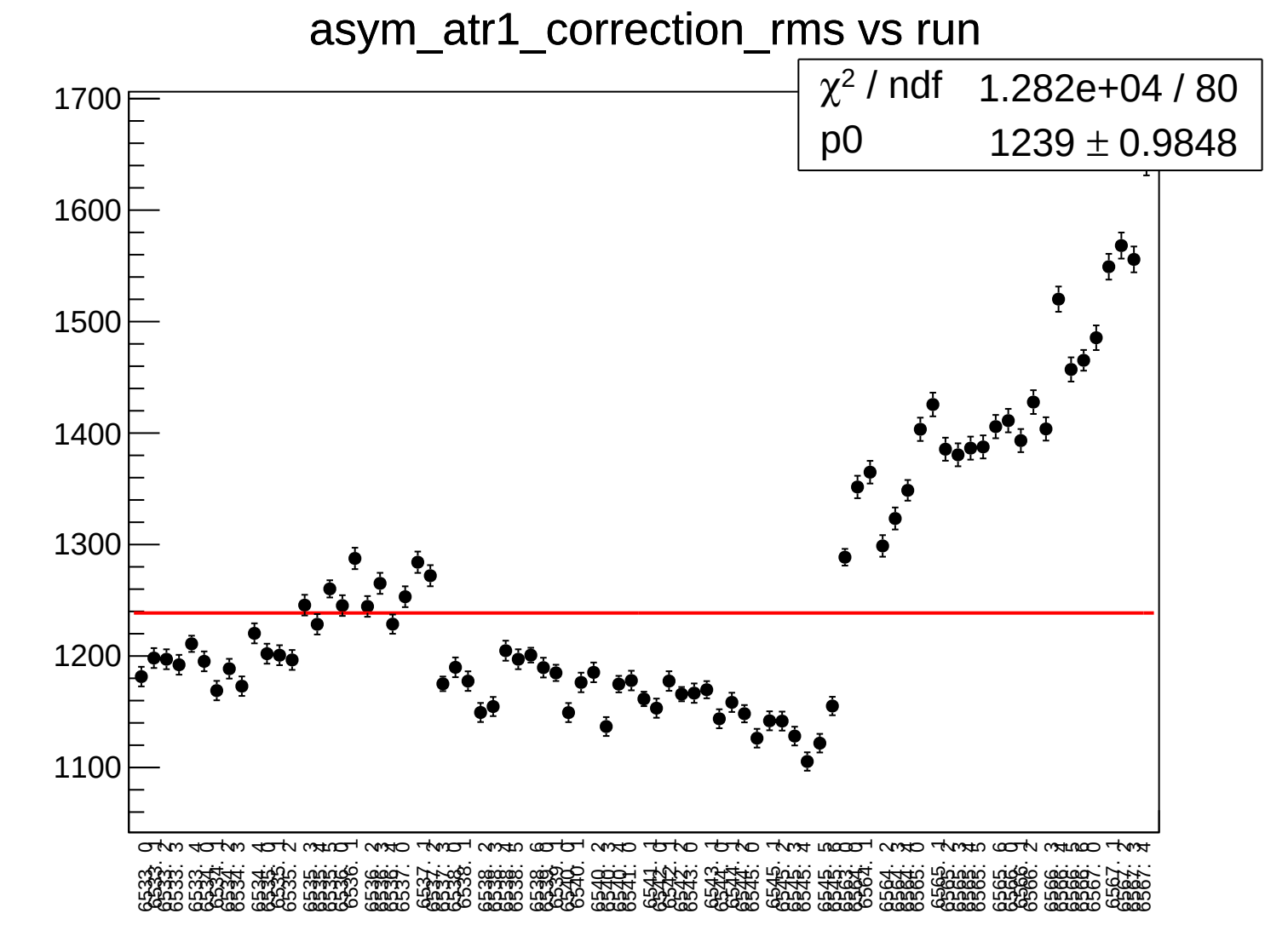

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 80.79 / 80
p0 −8193 ± 3159
100
50
0
−50
−100
pull
Entries 81
Mean 977.9
Std Dev 938.6
2
1
0
−1
−2

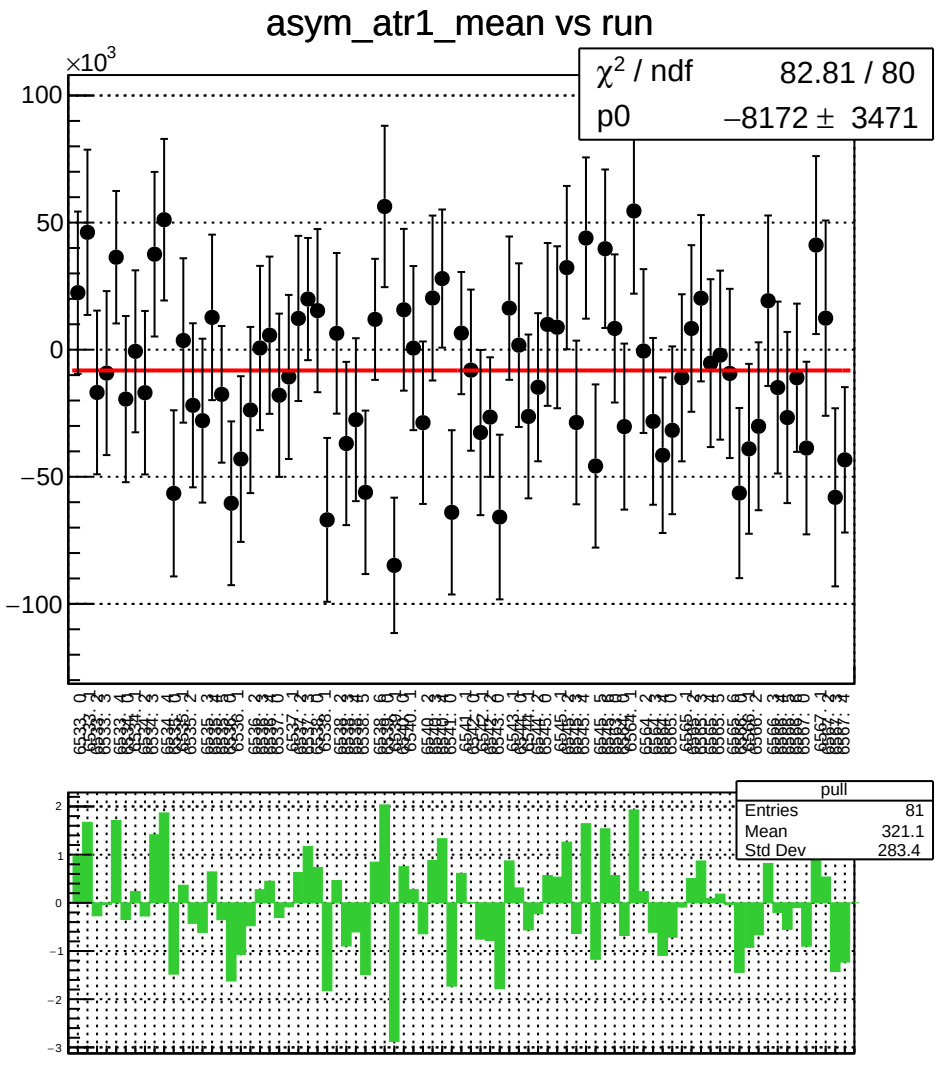

pull1D
Entries 81
Mean −0.003711
Std Dev 0.9987
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

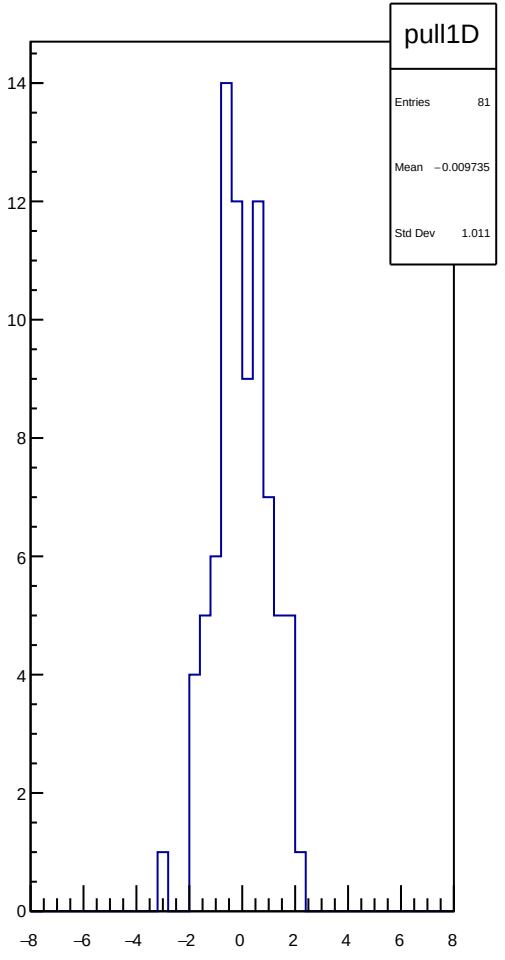

dit_asym_atr1_rms vs run
χ² / ndf 344.5 / 80
p0 2821 ± 2.234
3100
3050
3000
2950
2900
2850
2800
2750


asym_atr1_correction_mean vs run
χ² / ndf 72.74 / 80
p0 −40.31± 1393
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −19.26
Std Dev 67.51
2
1
0
−1
−2
−3


pull1D
Entries 81
Mean 0.01691
Std Dev 0.9475
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_correction_rms vs run
χ² / ndf 1.282e+04 / 80
p0 1239 ± 0.9848
1700
1600
1500
1400
1300
1200
1100


asym_atr1_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 82.81 / 80
p0 −8172 ± 3471
pull
Entries 81
Mean 321.1
Std Dev 283.4
2
1
0
−1
−2
−3


pull1D
Entries 81
Mean −0.009735
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
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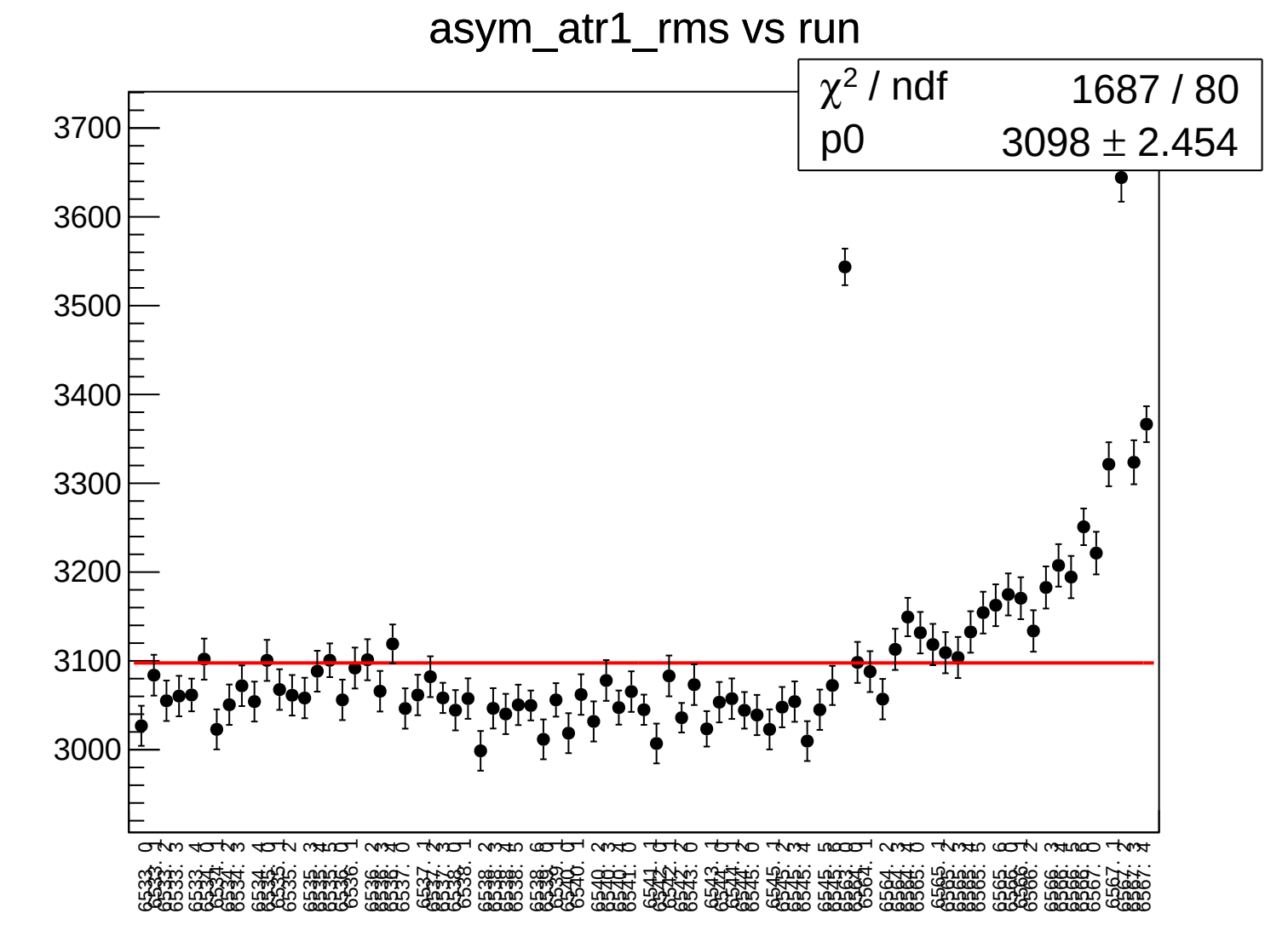
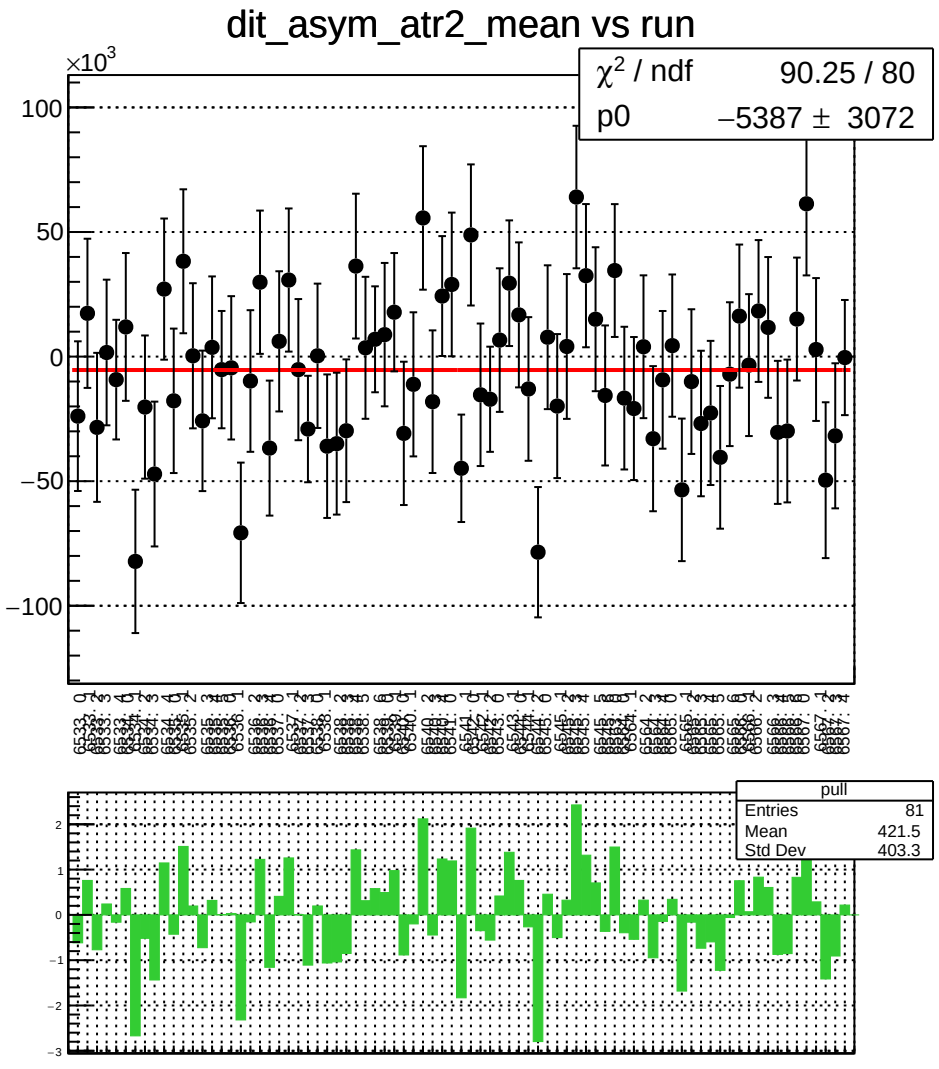
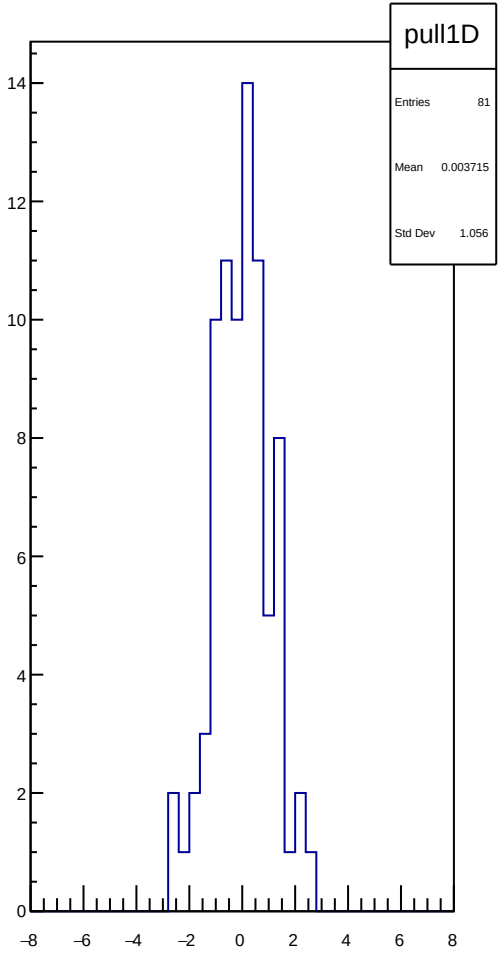
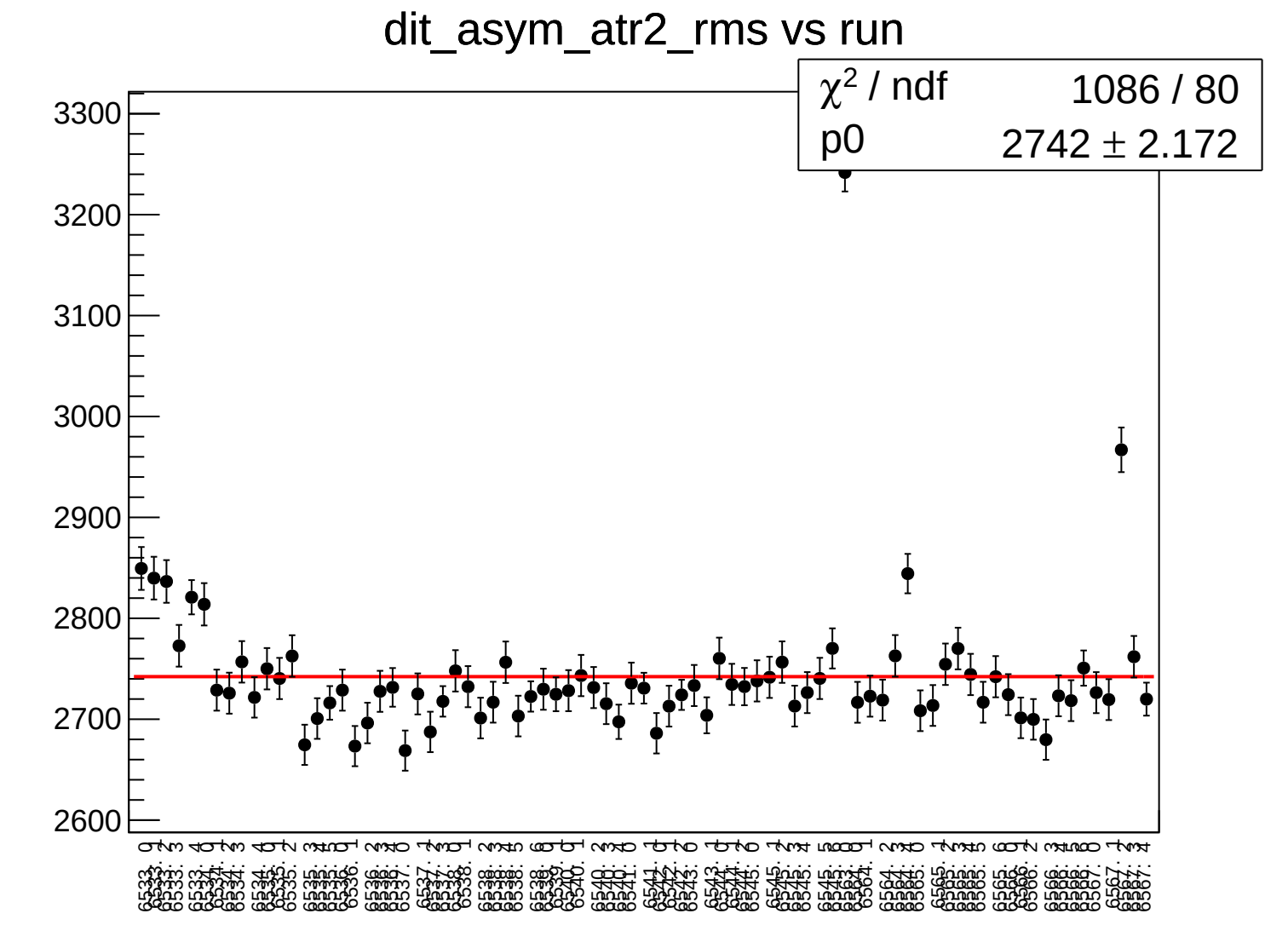
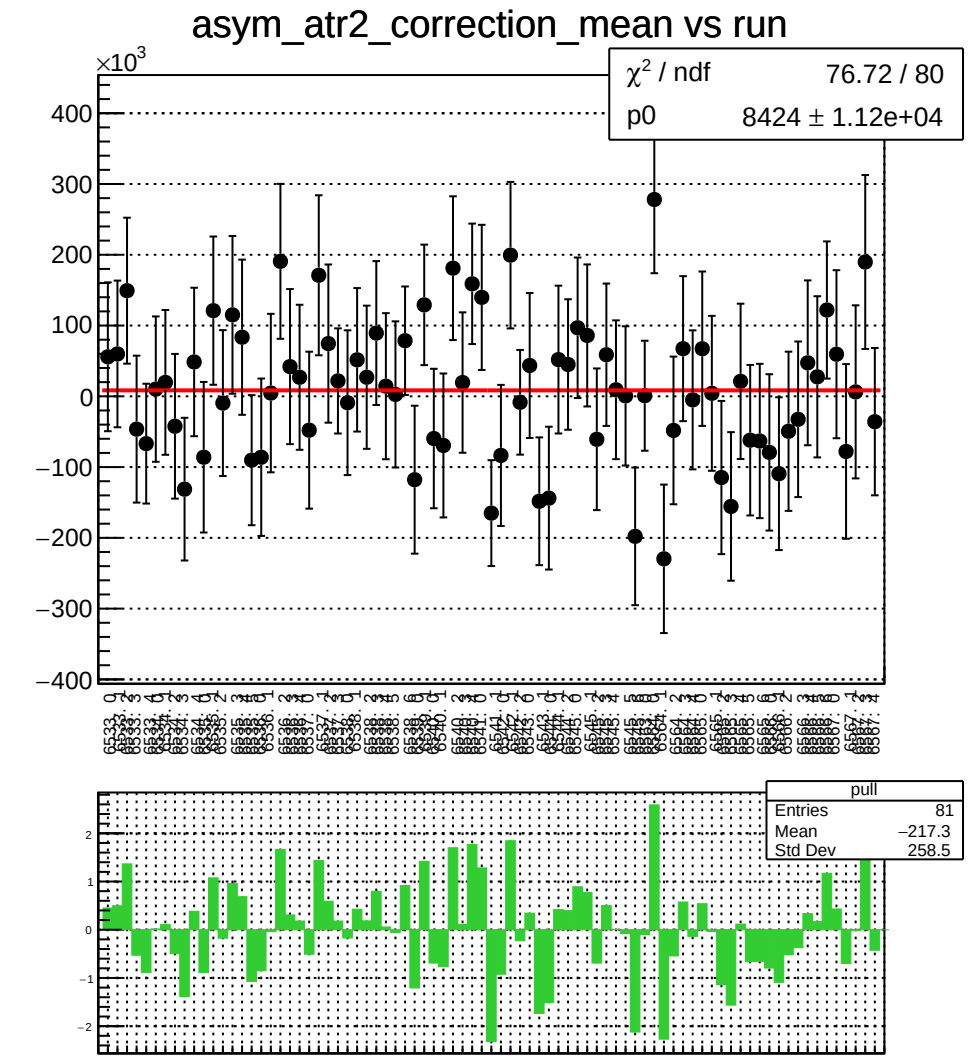
0
2
4
6
8

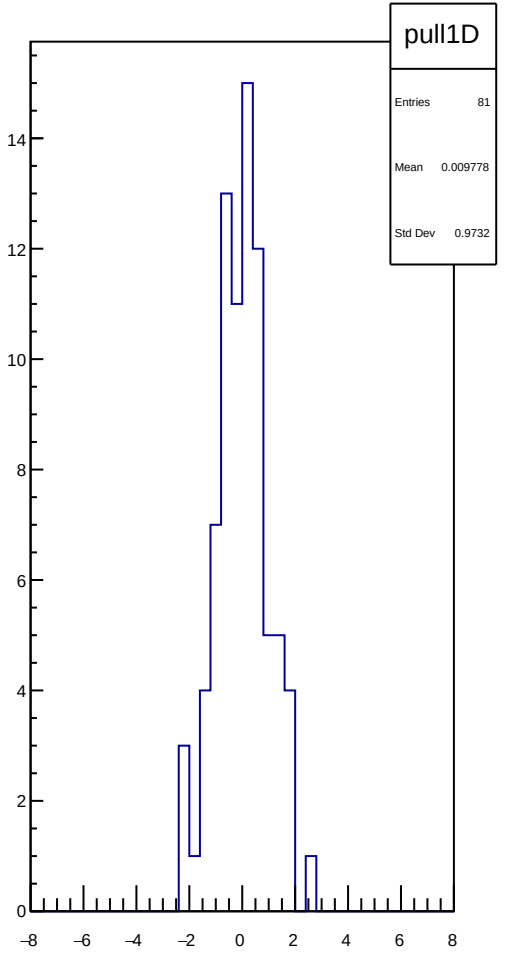

asym_atr1_rms vs run
χ² / ndf 1687 / 80
p0 3098 ± 2.454
3700
3600
3500
3400
3300
3200
3100
3000

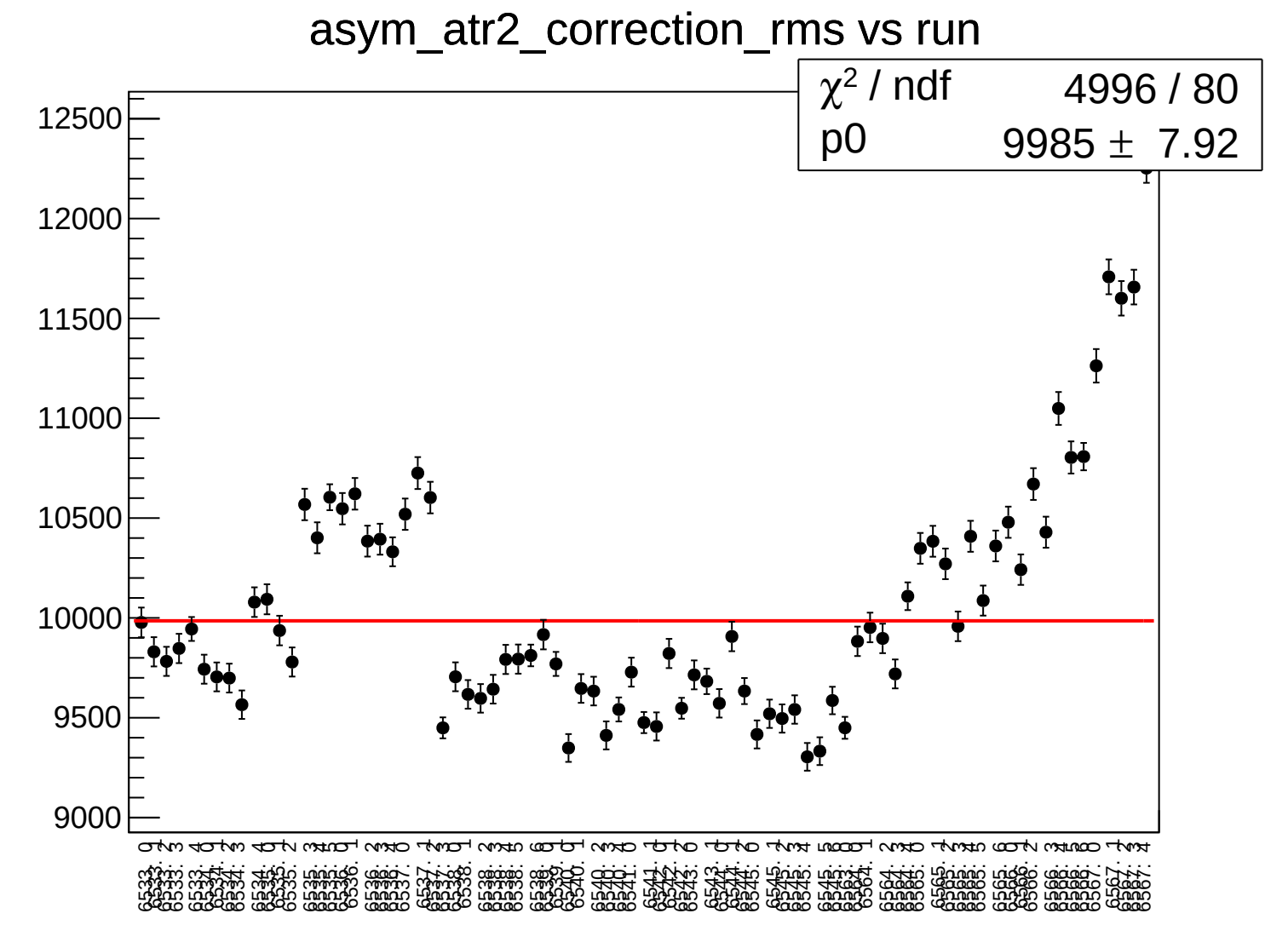

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 90.25 / 80
p0 −5387 ± 3072
100
50
0
−50
−100
pull
Entries 81
Mean 421.5
Std Dev 403.3
2
1
0
−1
−2
−3

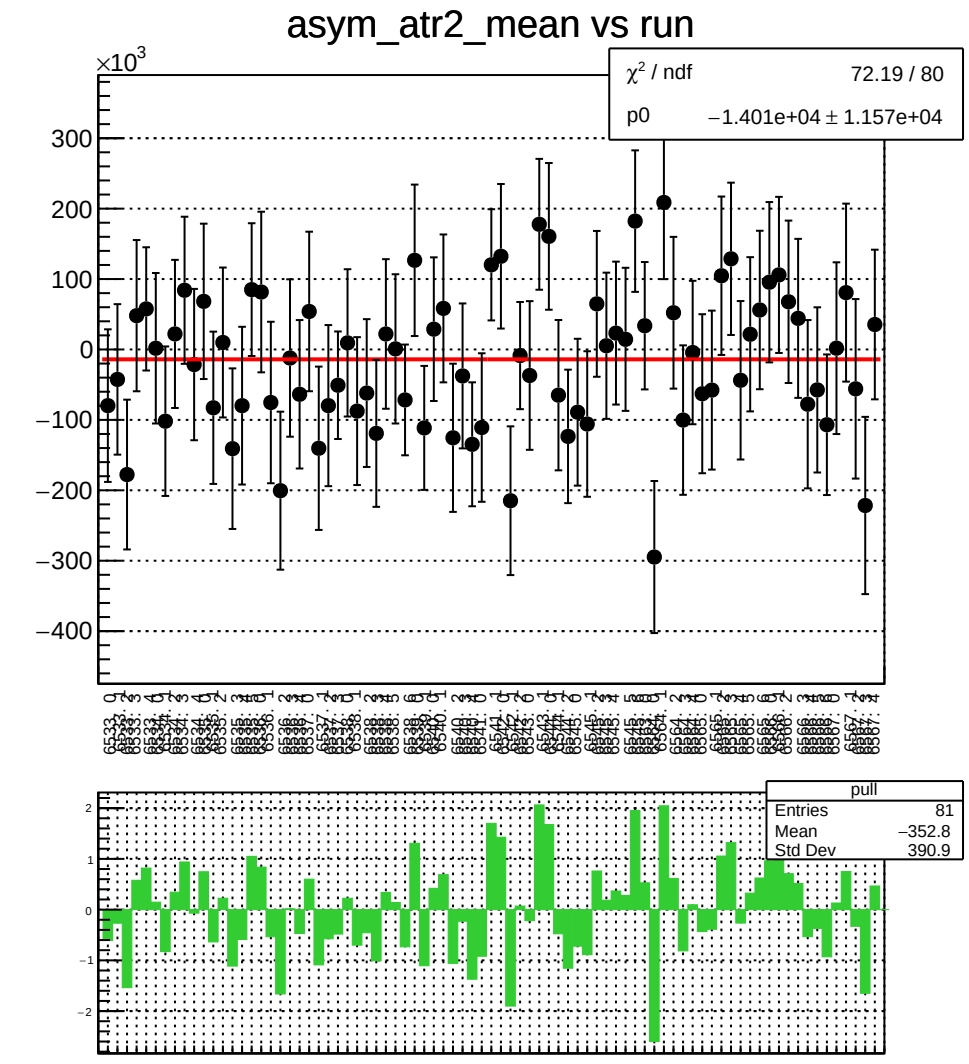

pull1D
Entries 81
Mean 0.003715
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

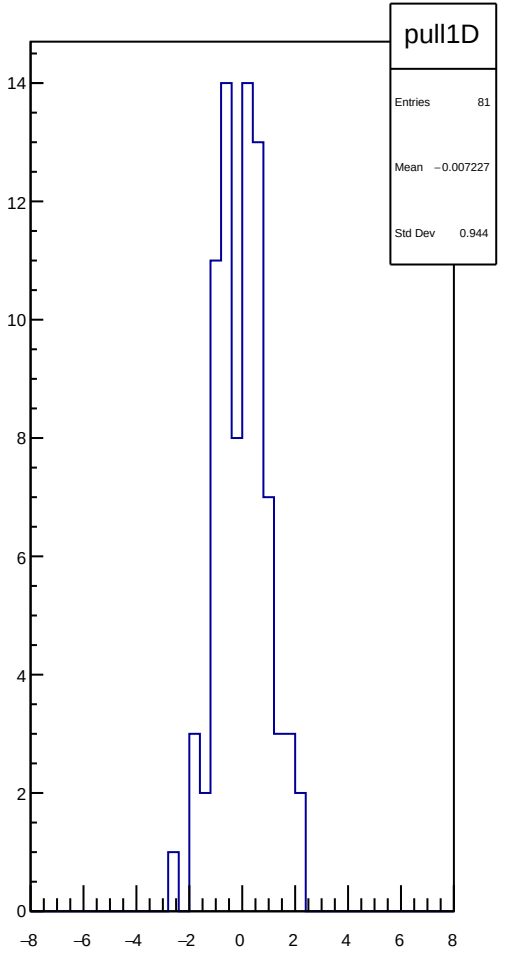

dit_asym_atr2_rms vs run
χ² / ndf 1086 / 80
p0 2742 ± 2.172
3300
3200
3100
3000
2900
2800
2700
2600

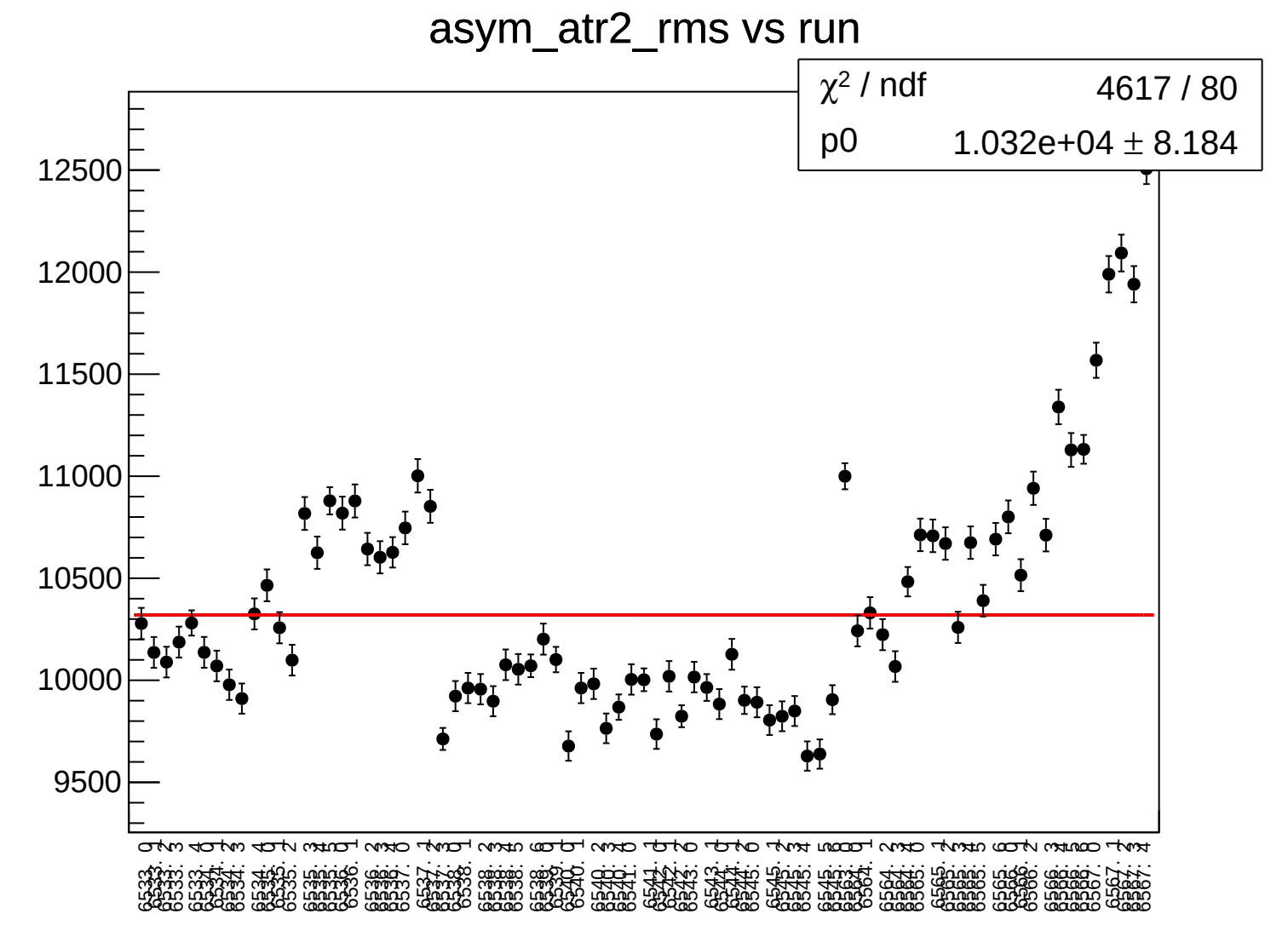

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 76.72 / 80
p0 8424 ± 1.12e+04
pull
Entries 81
Mean −217.3
Std Dev 258.5

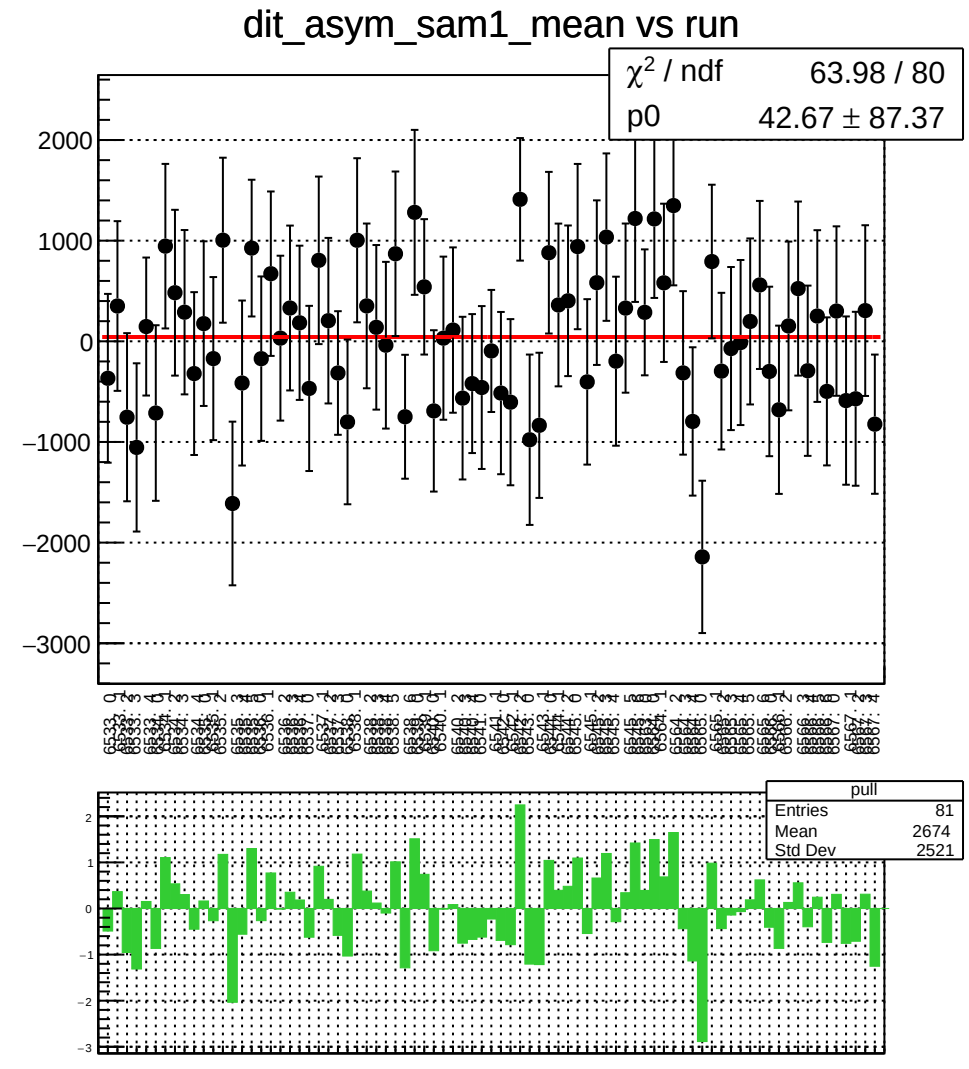

pull1D
Entries 81
Mean 0.009778
Std Dev 0.9732

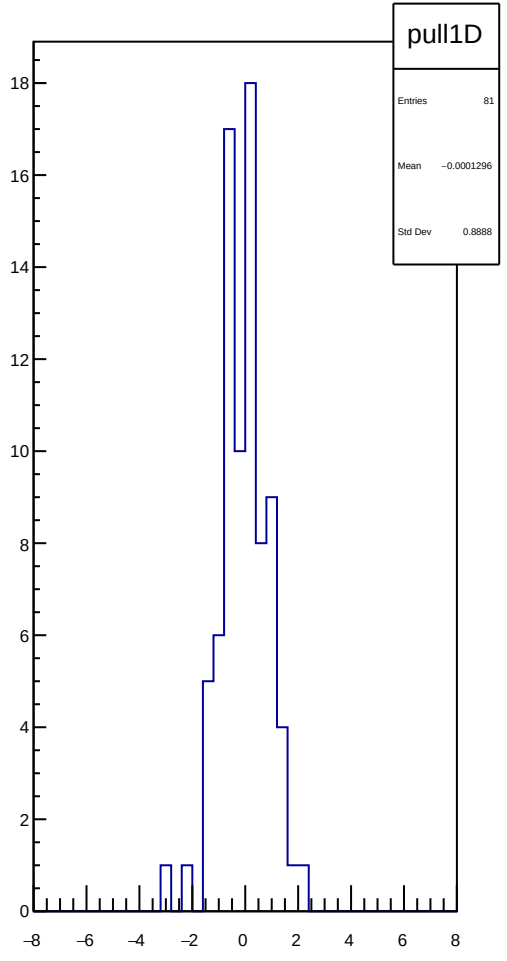

asym_atr2_correction_rms vs run
χ² / ndf 4996 / 80
p0 9985 ± 7.92
12500
12000
11500
11000
10500
10000
9500
9000

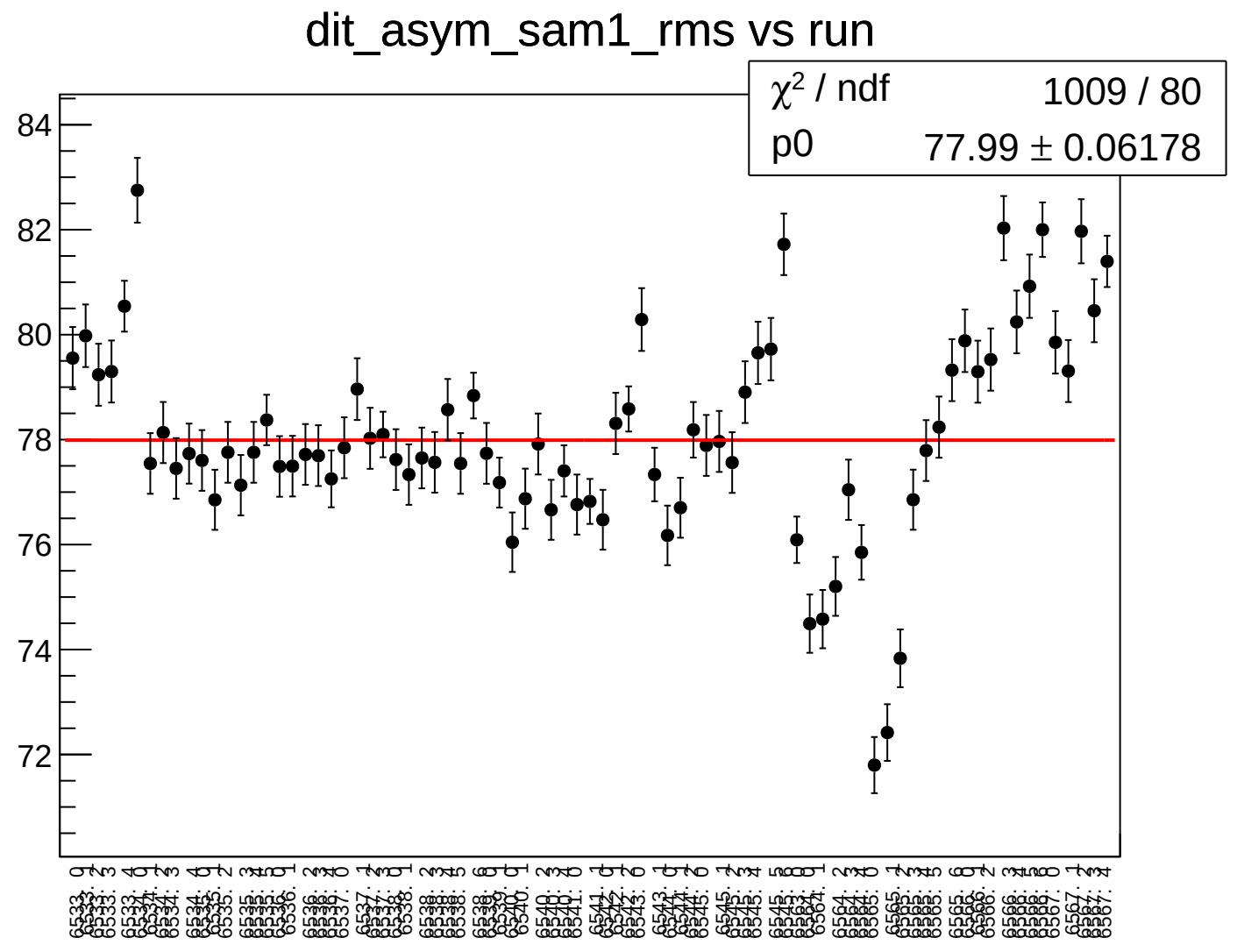

asym_atr2_mean vs run
×10^3
χ² / ndf 72.19 / 80
p0 −1.401e+04 ± 1.157e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 81
Mean −352.8
Std Dev 390.9
2
1
0
−1
−2

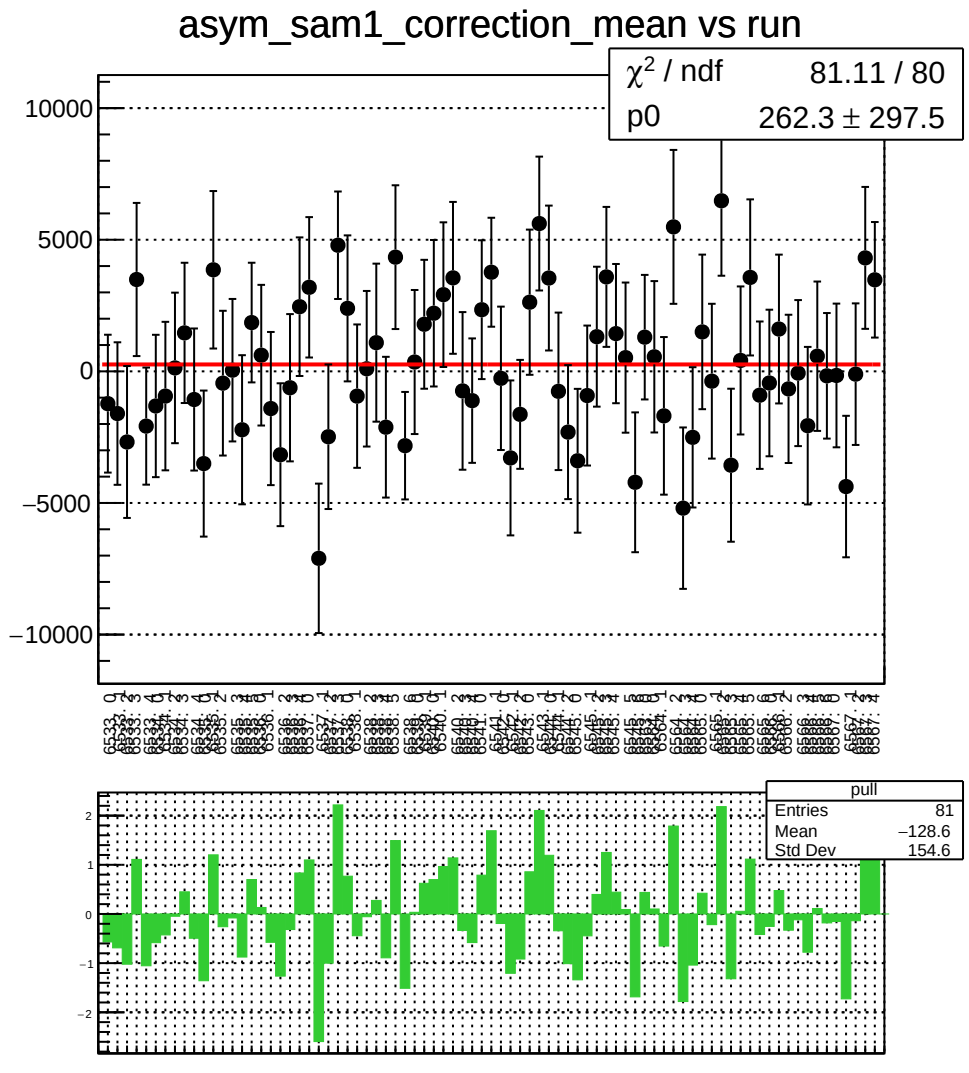

pull1D
Entries 81
Mean −0.007227
Std Dev 0.944
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

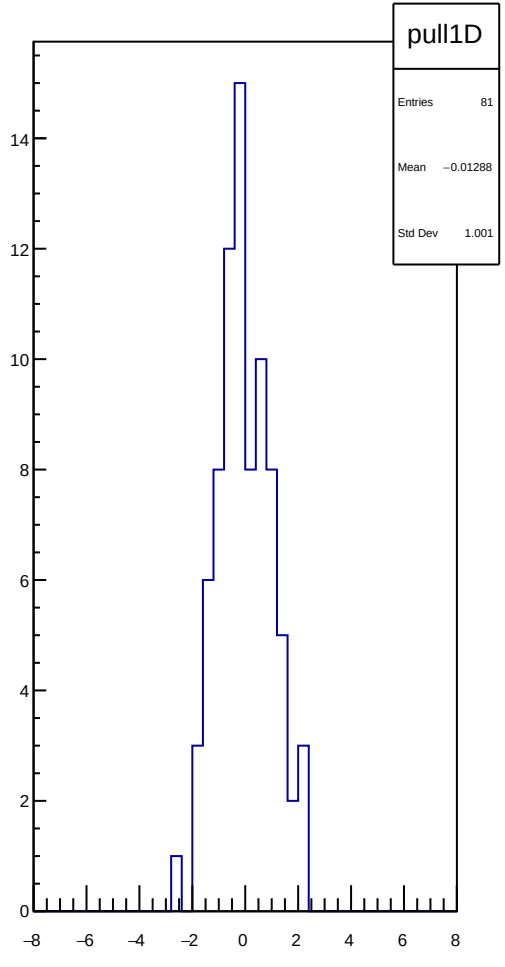

asym_atr2_rms vs run
χ² / ndf 4617 / 80
p0 1.032e+04 ± 8.184
12500
12000
11500
11000
10500
10000
9500

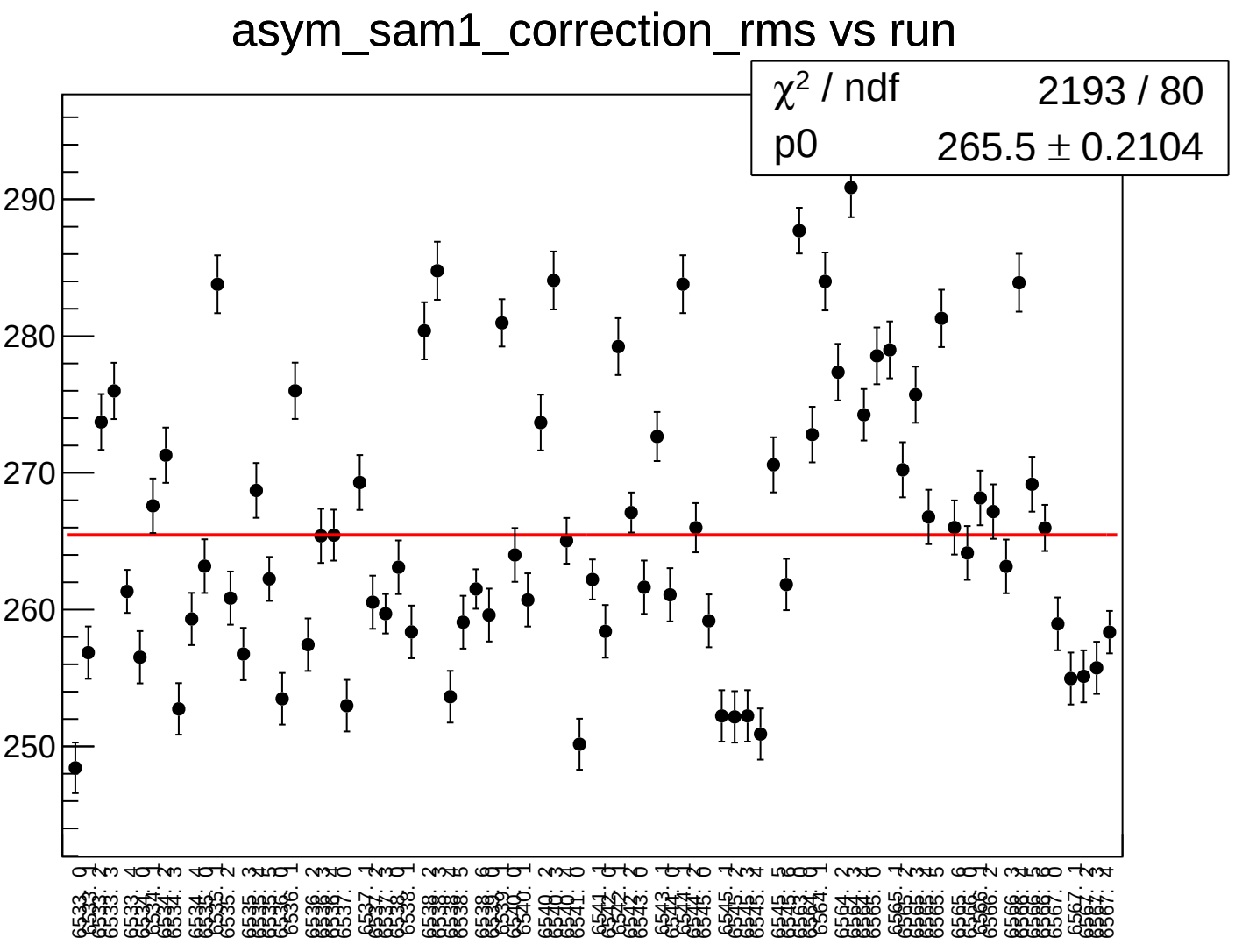

dit_asym_sam1_mean vs run
χ² / ndf 63.98 / 80
p0 42.67 ± 87.37
pull
Entries 81
Mean 2674
Std Dev 2521

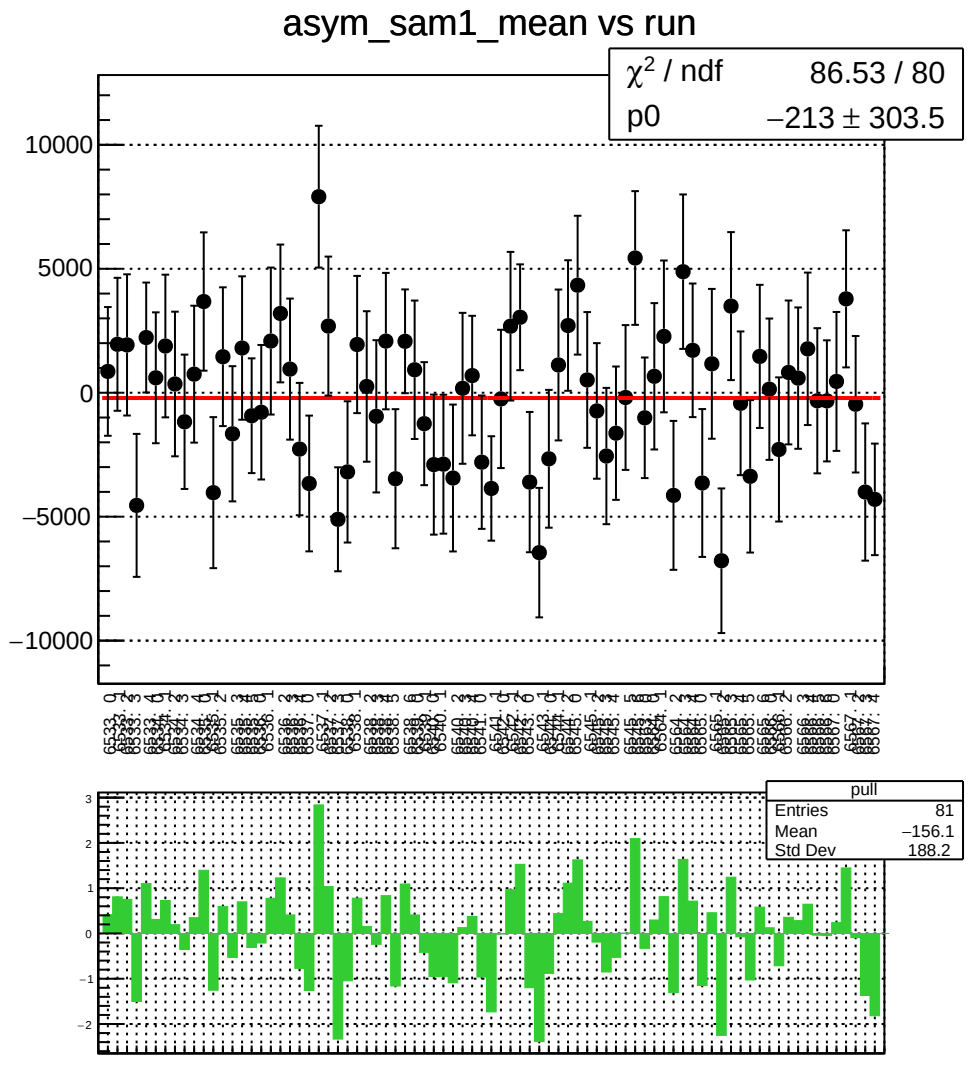

pull1D
Entries 81
Mean −0.0001296
Std Dev 0.8888

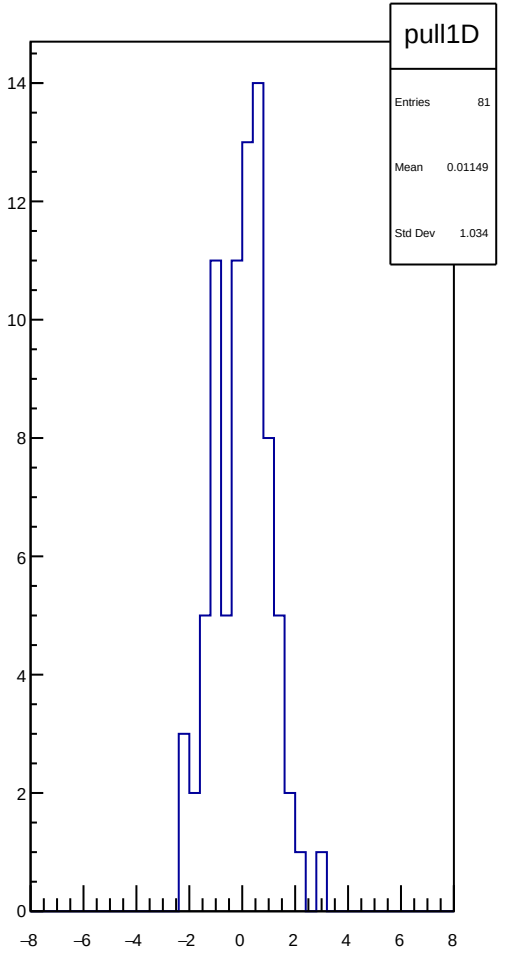

dit_asym_sam1_rms vs run
χ² / ndf 1009 / 80
p0 77.99 ± 0.06178
84
82
80
78
76
74
72

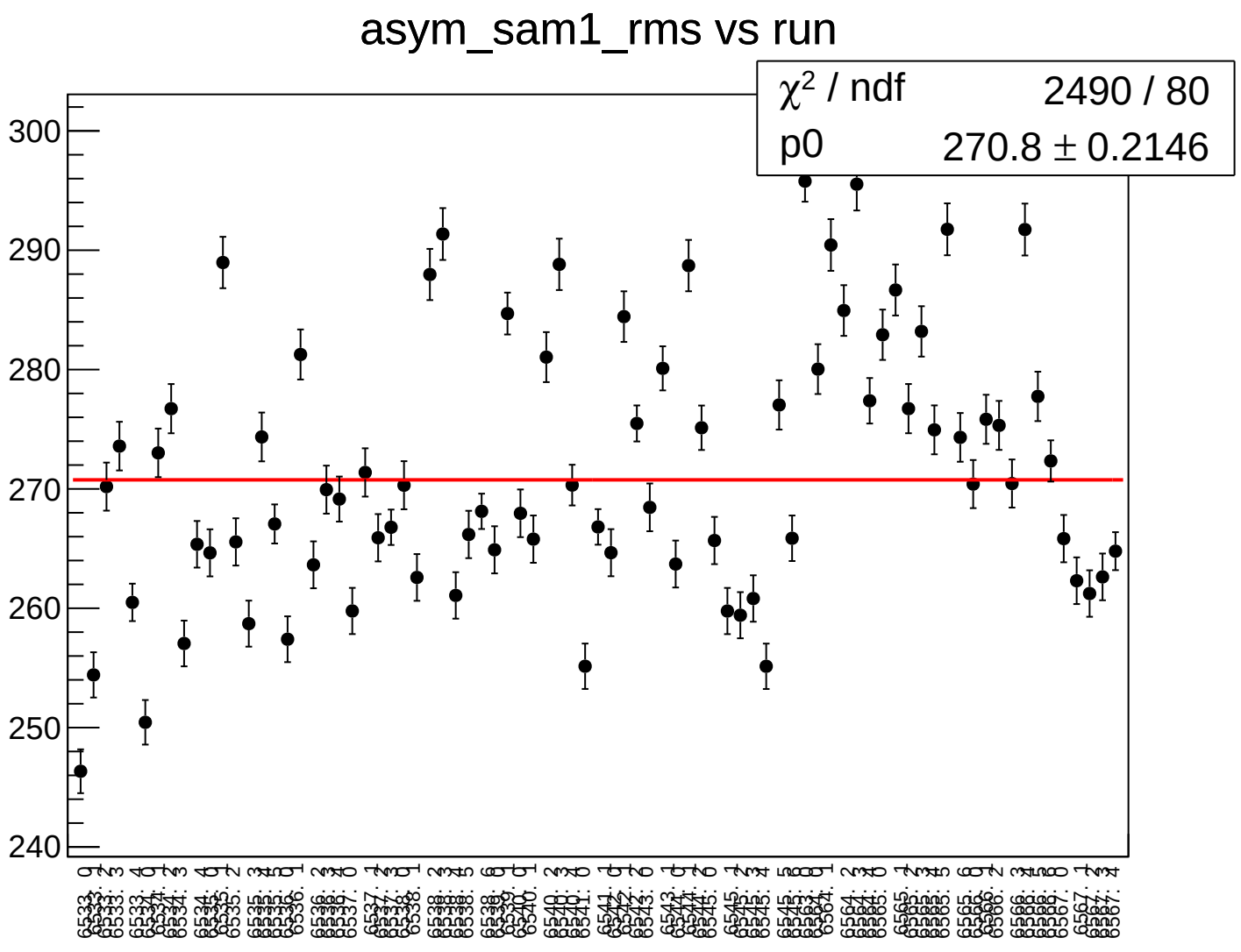

asym_sam1_correction_mean vs run
χ^2 / ndf 81.11 / 80
p0 262.3 ± 297.5
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −128.6
Std Dev 154.6
2
1
0
−1
−2

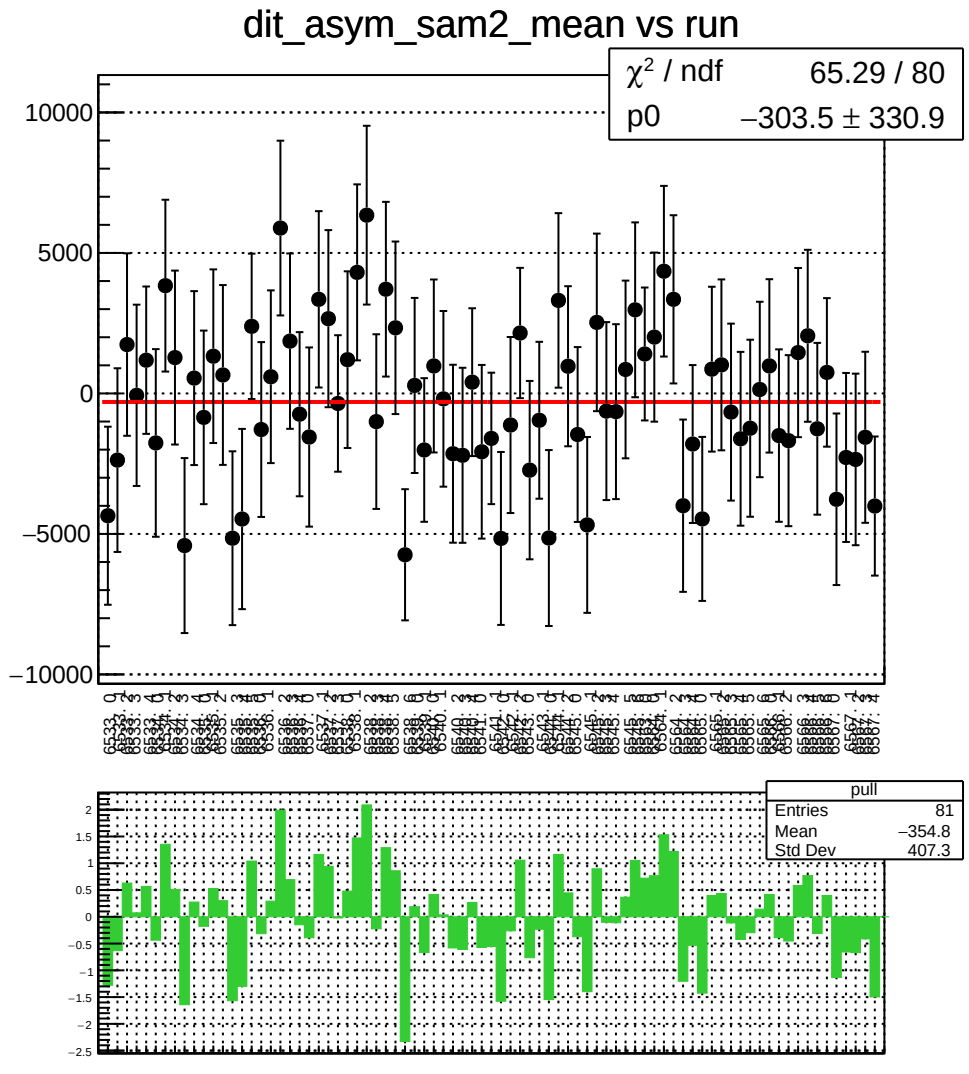

pull1D
Entries 81
Mean −0.01288
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

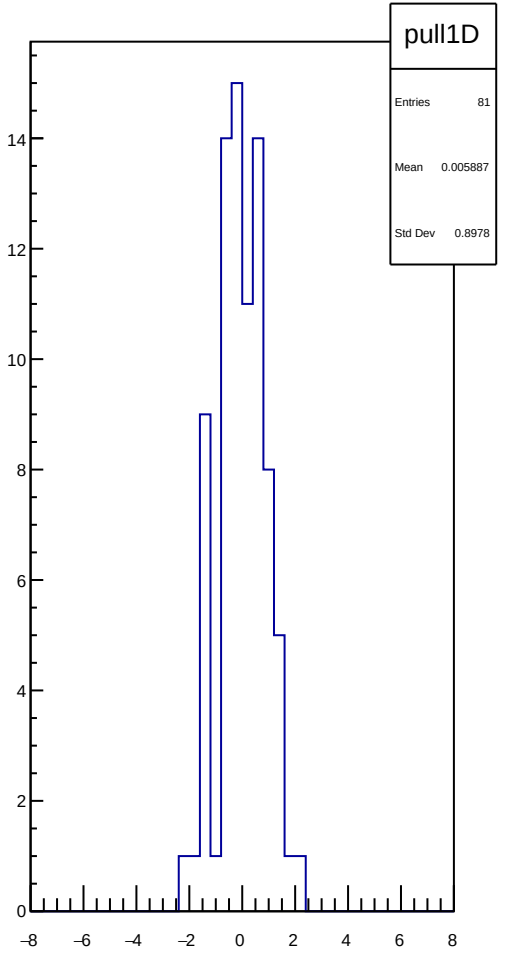

asym_sam1_correction_rms vs run
χ² / ndf 2193 / 80
p0 265.5 ± 0.2104
290
280
270
260
250

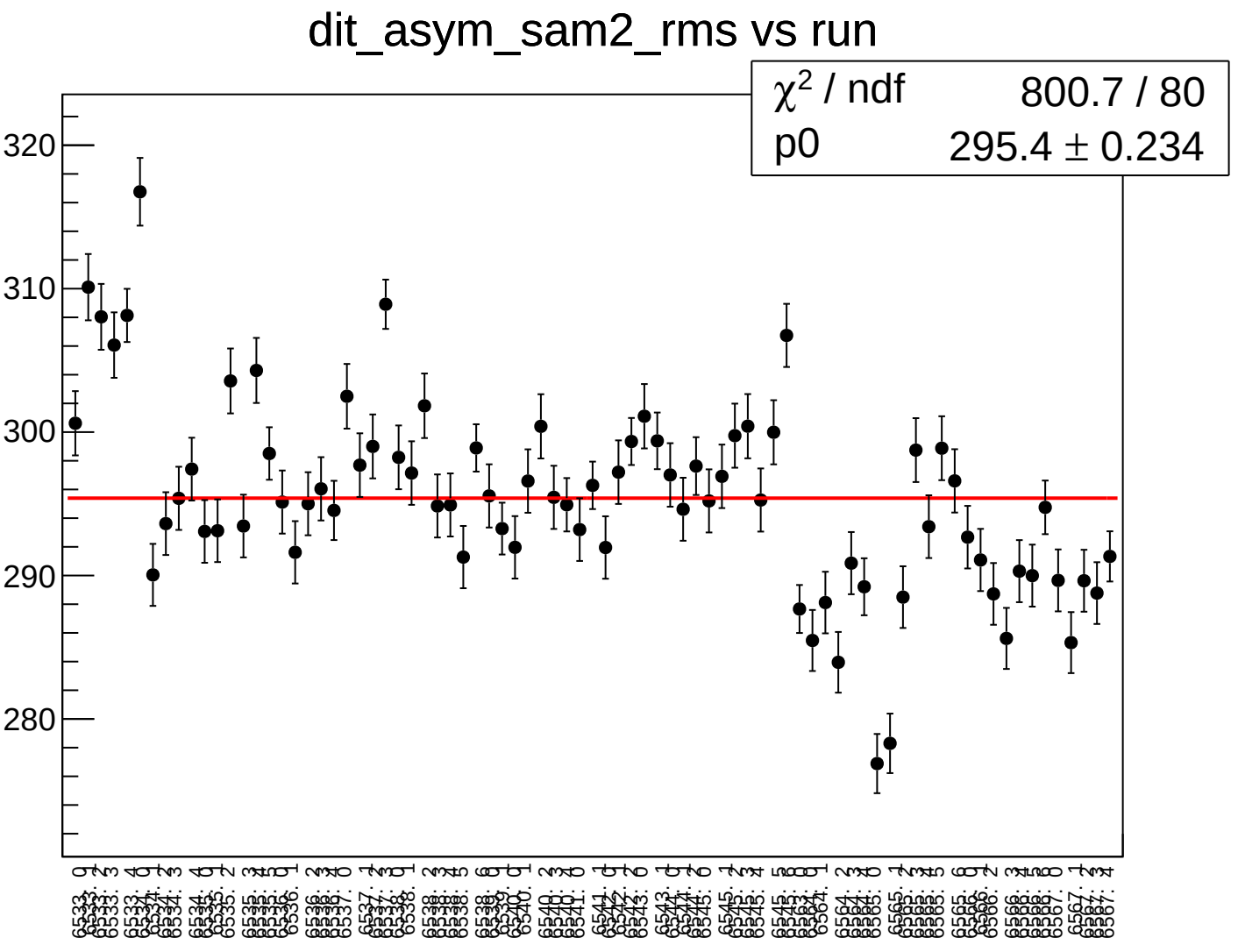

asym_sam1_mean vs run
χ² / ndf 86.53 / 80
p0 −213 ± 303.5
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −156.1
Std Dev 188.2
3
2
1
0
−1
−2

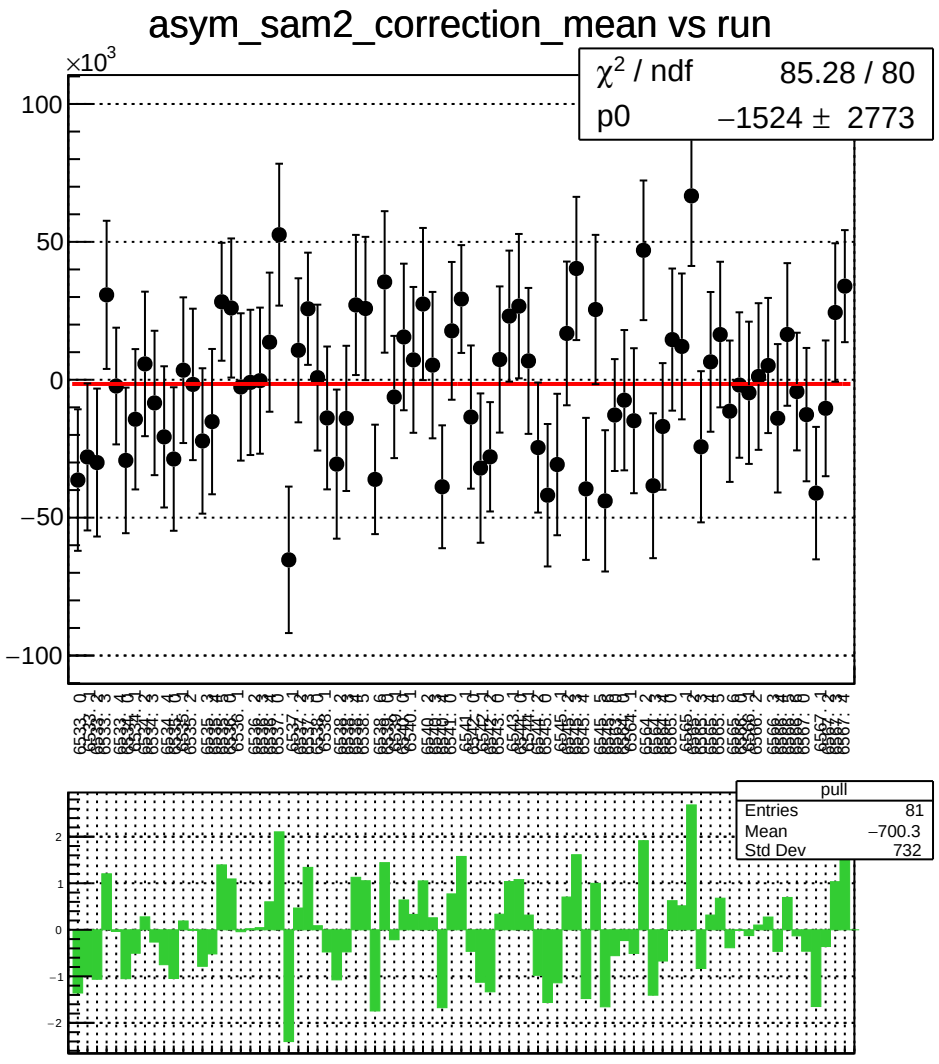

pull1D
Entries 81
Mean 0.01149
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

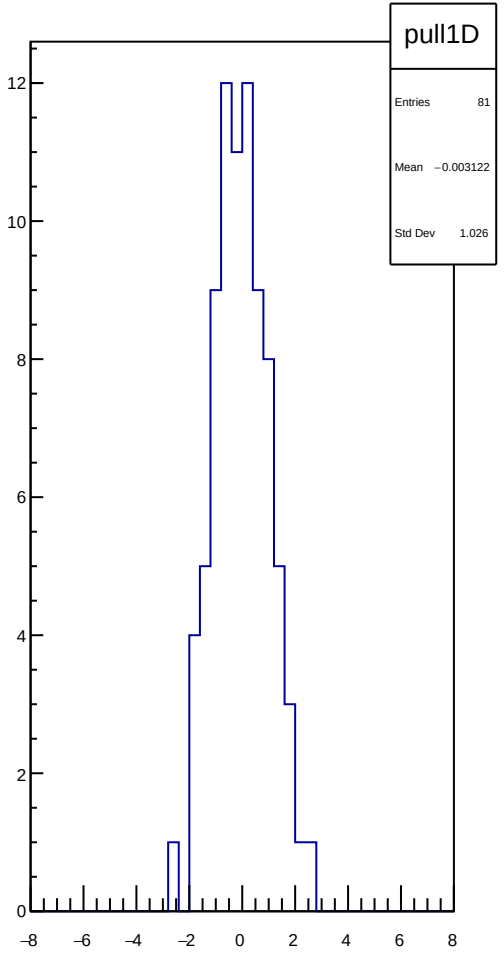

asym_sam1_rms vs run
χ² / ndf 2490 / 80
p0 270.8 ± 0.2146
300
290
280
270
260
250
240

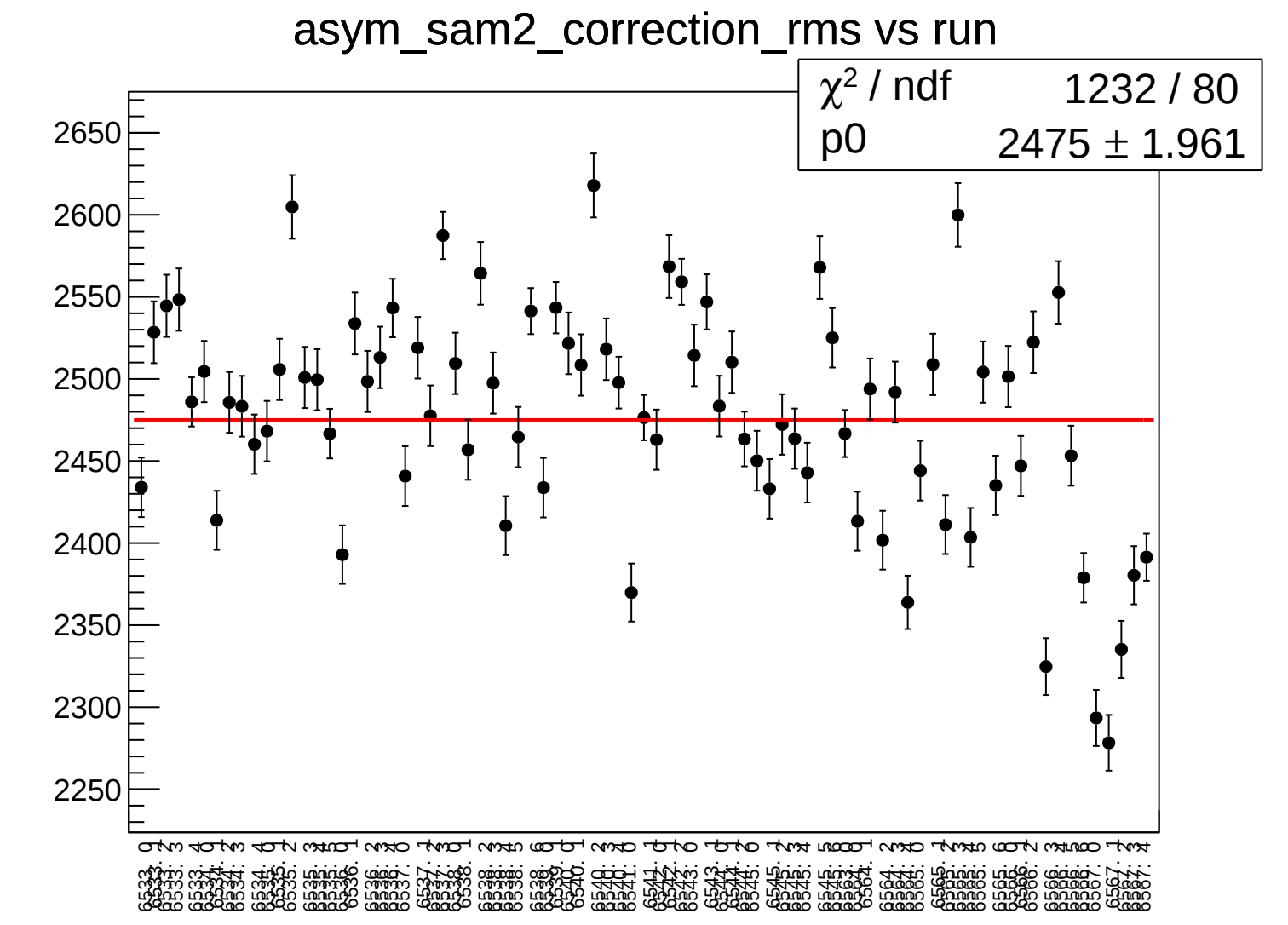

dit_asym_sam2_mean vs run
χ^2 / ndf 65.29 / 80
p0 −303.5 ± 330.9
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −354.8
Std Dev 407.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

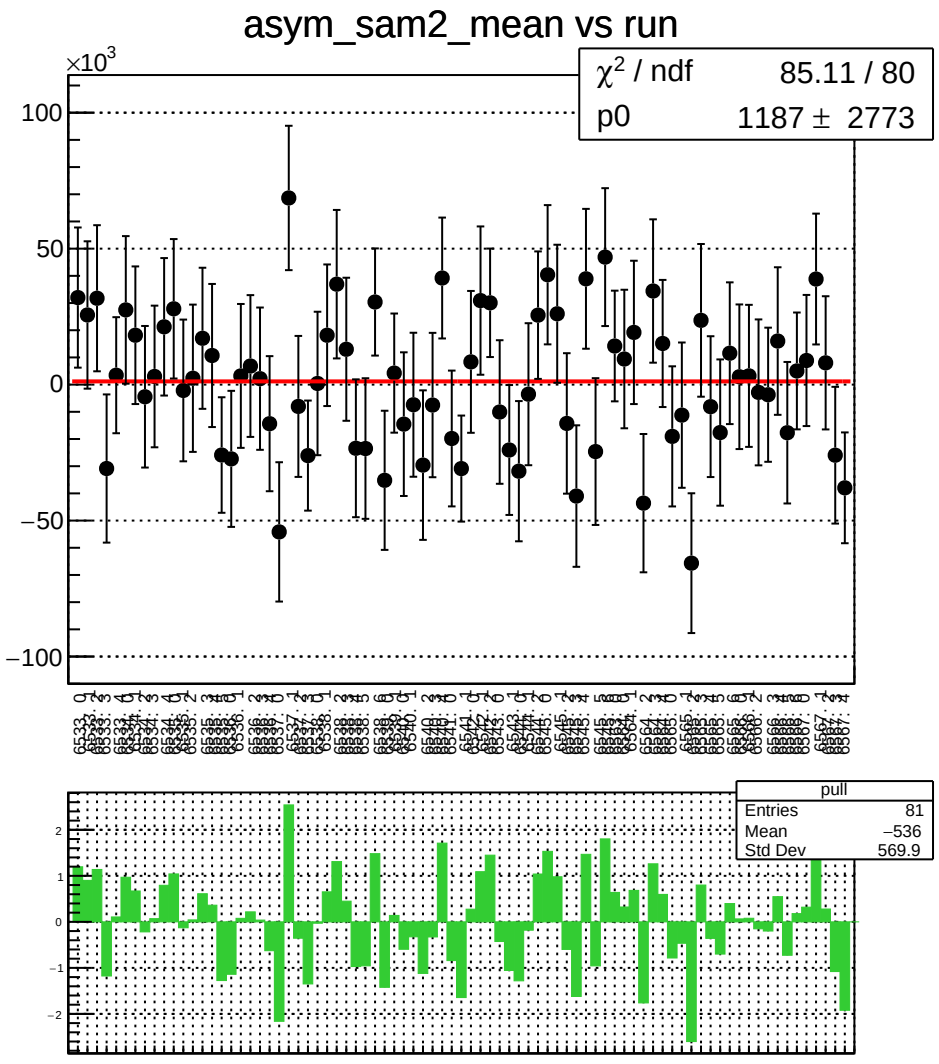

pull1D
Entries 81
Mean 0.005887
Std Dev 0.8978
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

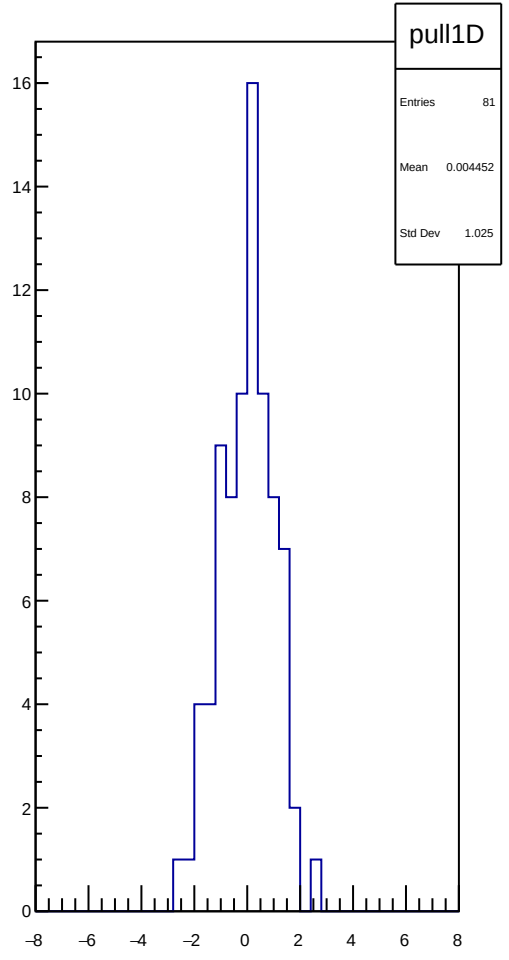

dit_asym_sam2_rms vs run
χ² / ndf 800.7 / 80
p0 295.4 ± 0.234
320
310
300
290
280

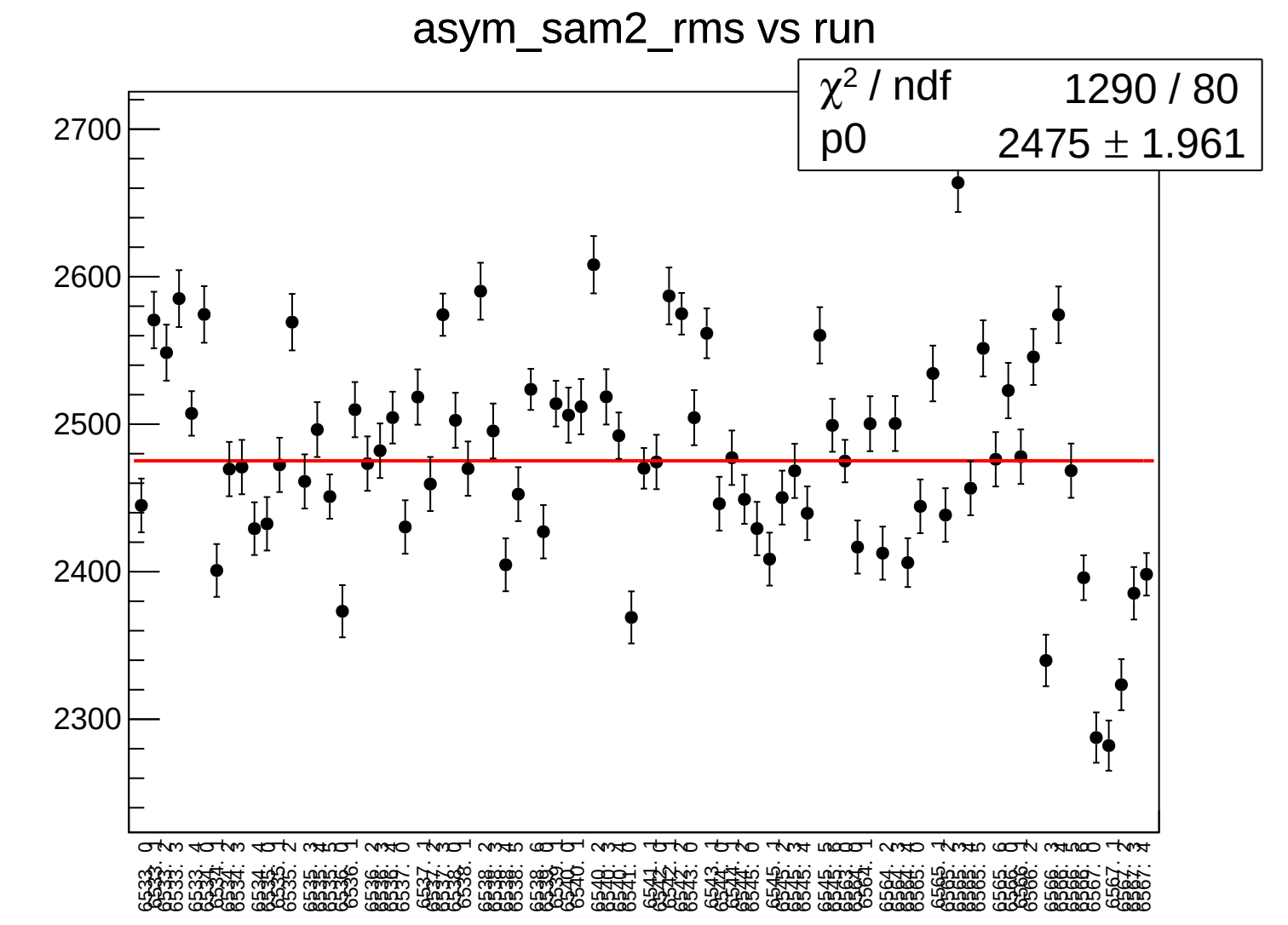

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 85.28 / 80
p0 −1524 ± 2773
100
50
0
−50
−100
pull
Entries 81
Mean −700.3
Std Dev 732
2
1
0
−1
−2

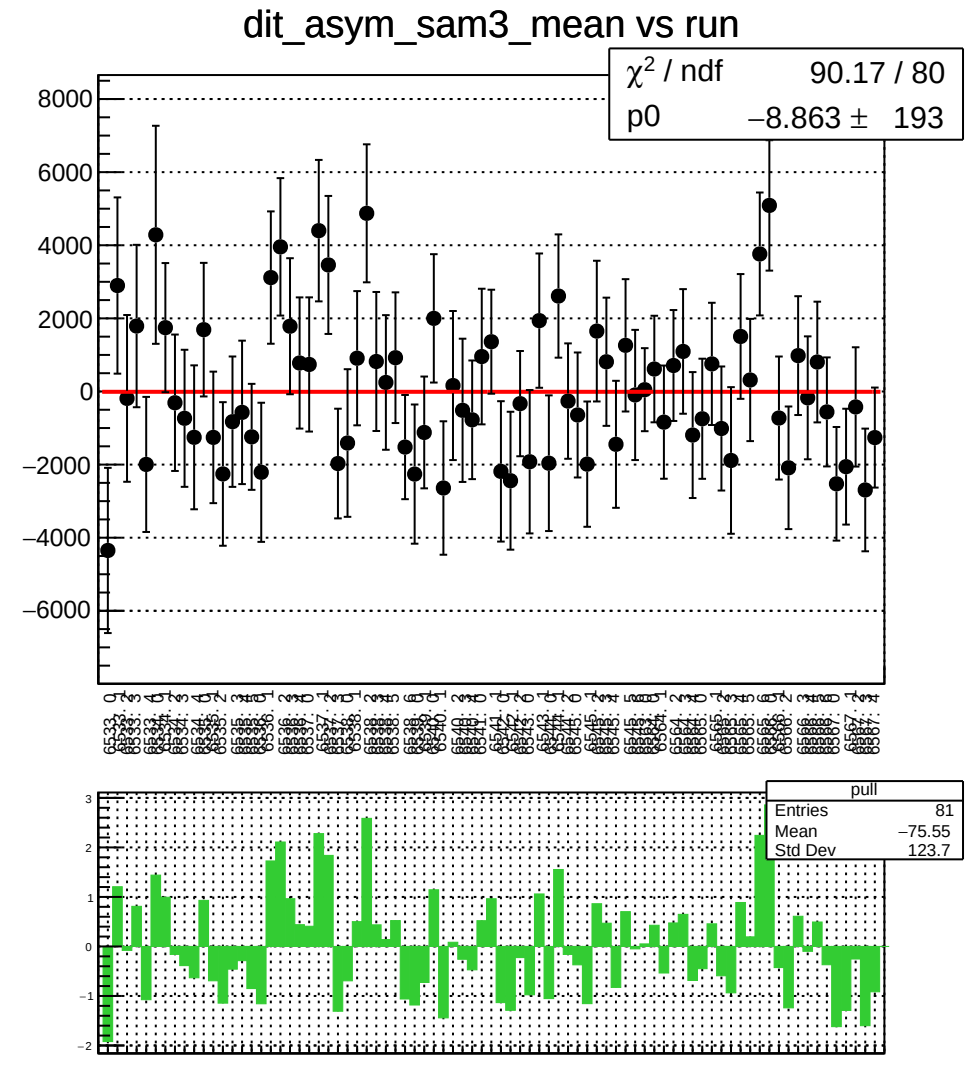

pull1D
Entries 81
Mean −0.003122
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

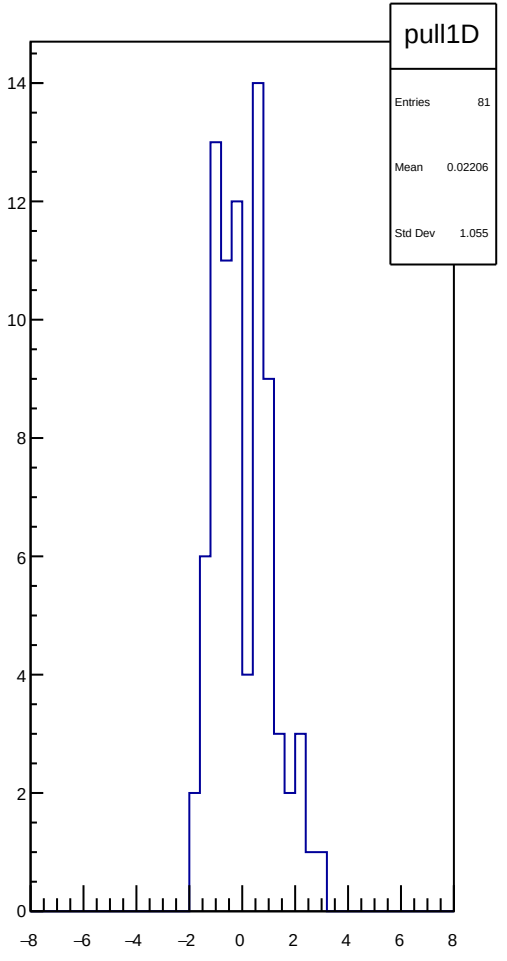

asym_sam2_correction_rms vs run
χ² / ndf 1232 / 80
p0 2475 ± 1.961
2650
2600
2550
2500
2450
2400
2350
2300
2250

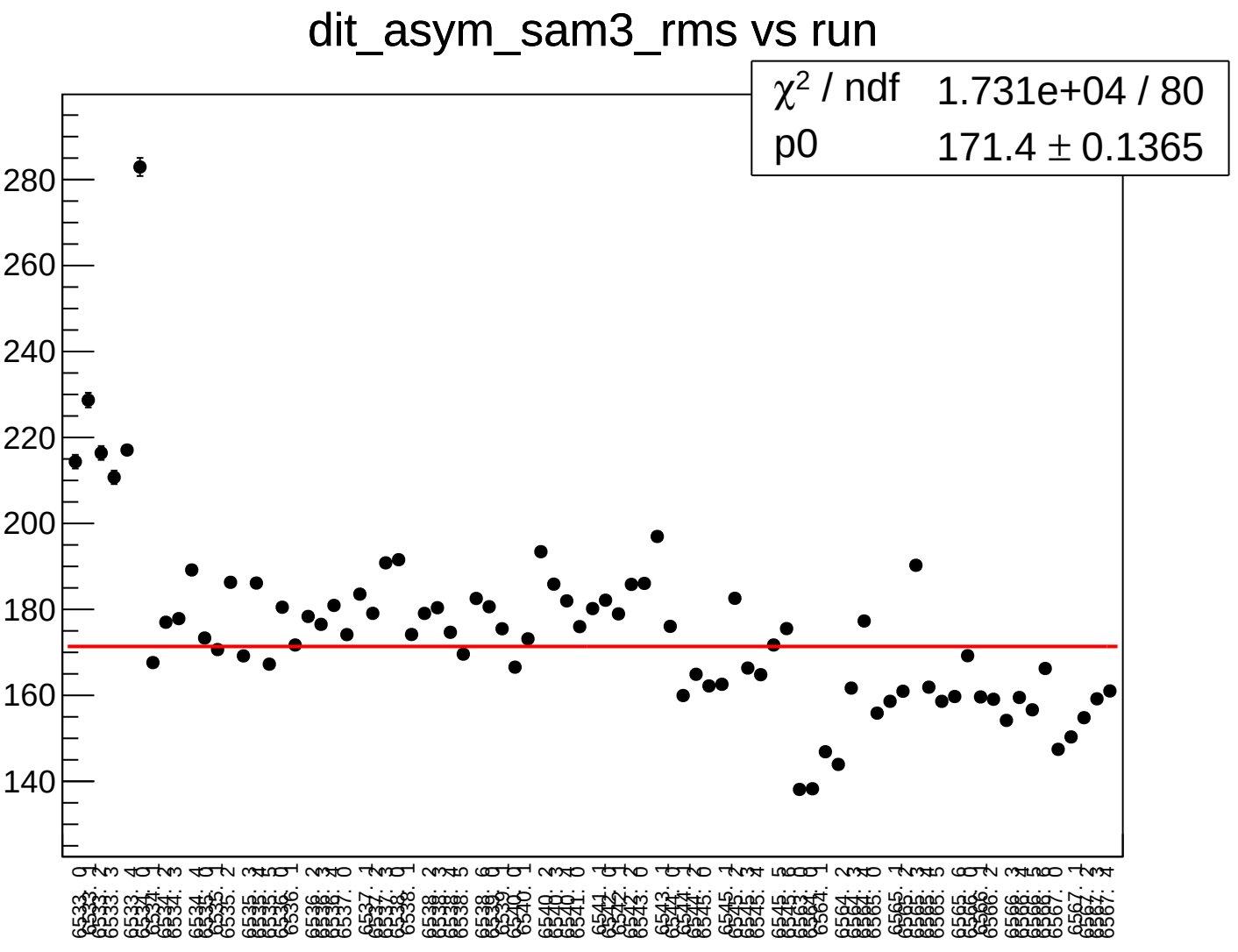

asym_sam2_mean vs run
×10^3
χ² / ndf 85.11 / 80
p0 1187 ± 2773
100
50
0
−50
−100
pull
Entries 81
Mean −536
Std Dev 569.9
2
1
0
−1
−2

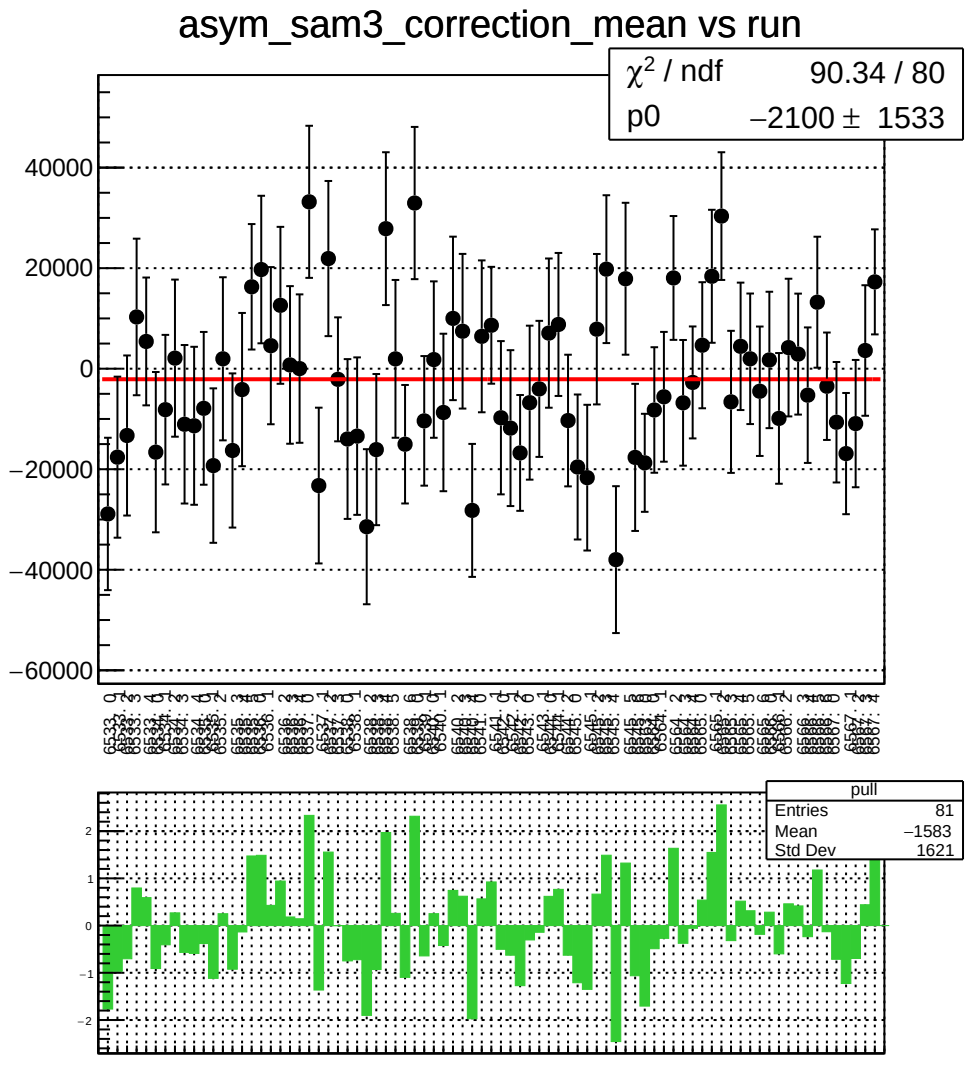

pull1D
Entries 81
Mean 0.004452
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

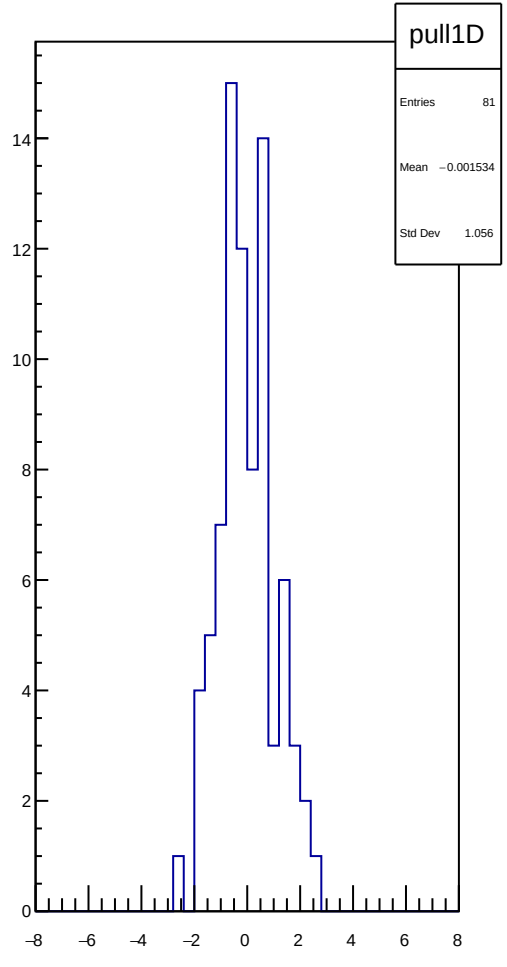

asym_sam2_rms vs run
χ² / ndf 1290 / 80
p0 2475 ± 1.961
2700
2600
2500
2400
2300

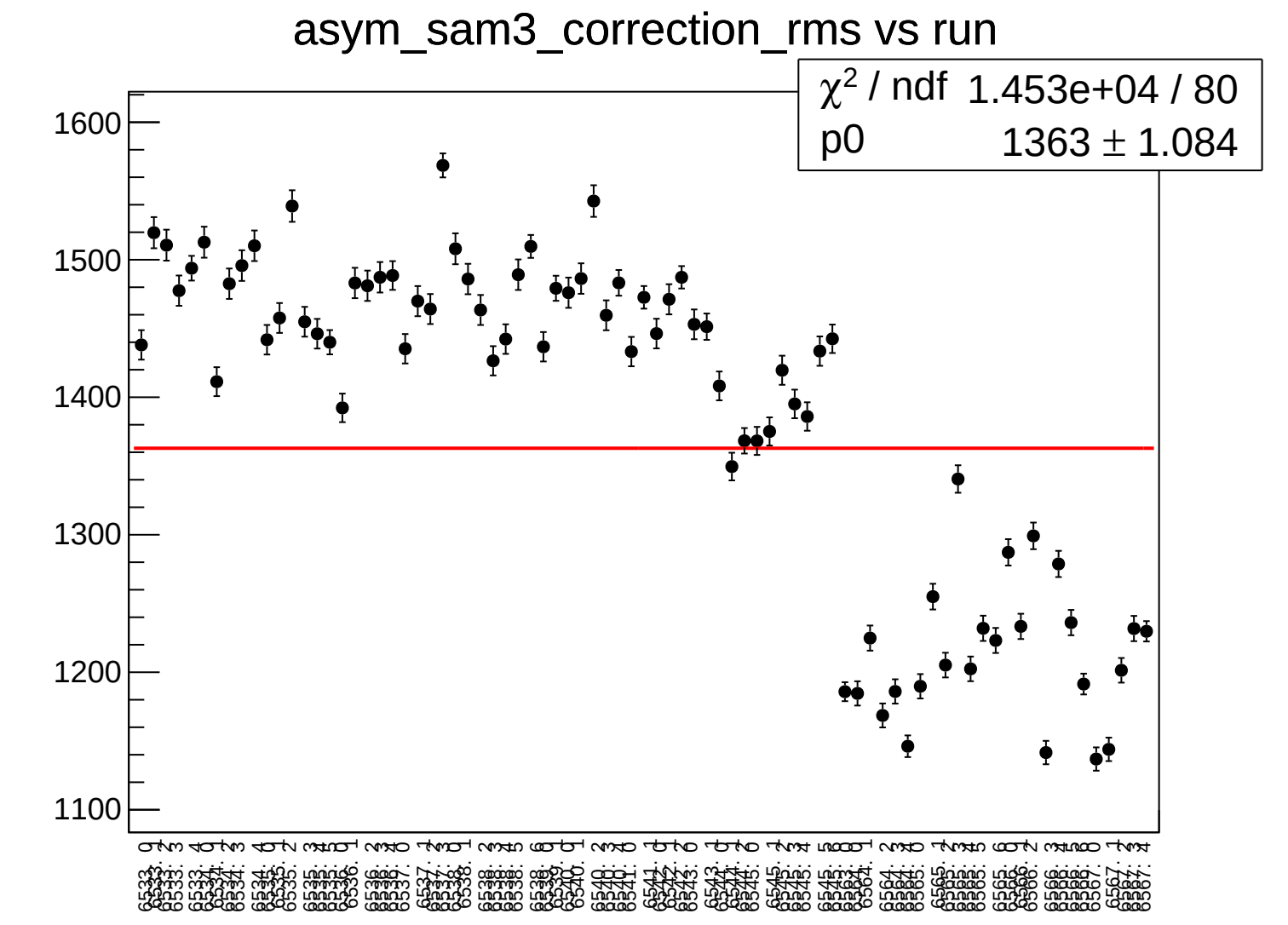

dit_asym_sam3_mean vs run
χ² / ndf 90.17 / 80
p0 −8.863 ± 193
pull
Entries 81
Mean −75.55
Std Dev 123.7

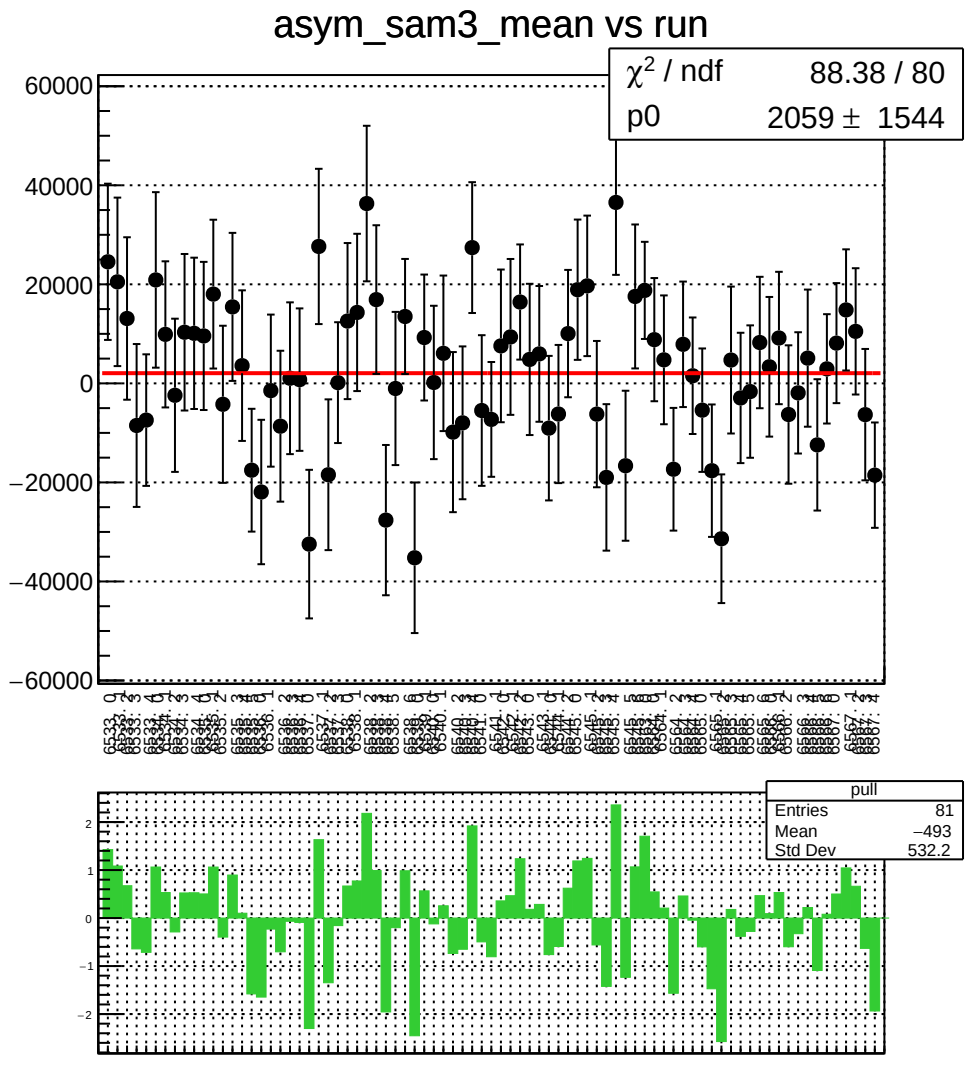

pull1D
Entries 81
Mean 0.02206
Std Dev 1.055

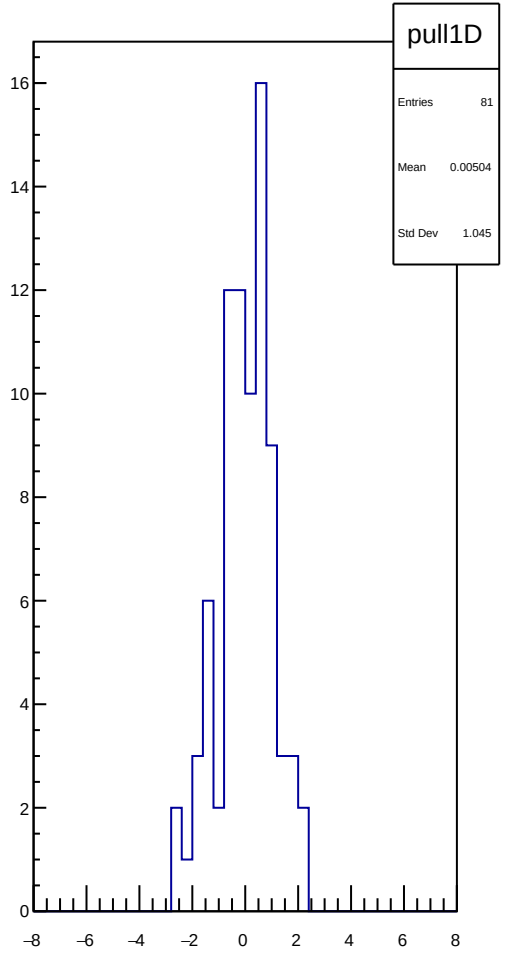

dit_asym_sam3_rms vs run
χ² / ndf 1.731e+04 / 80
p0 171.4 ± 0.1365
280
260
240
220
200
180
160
140

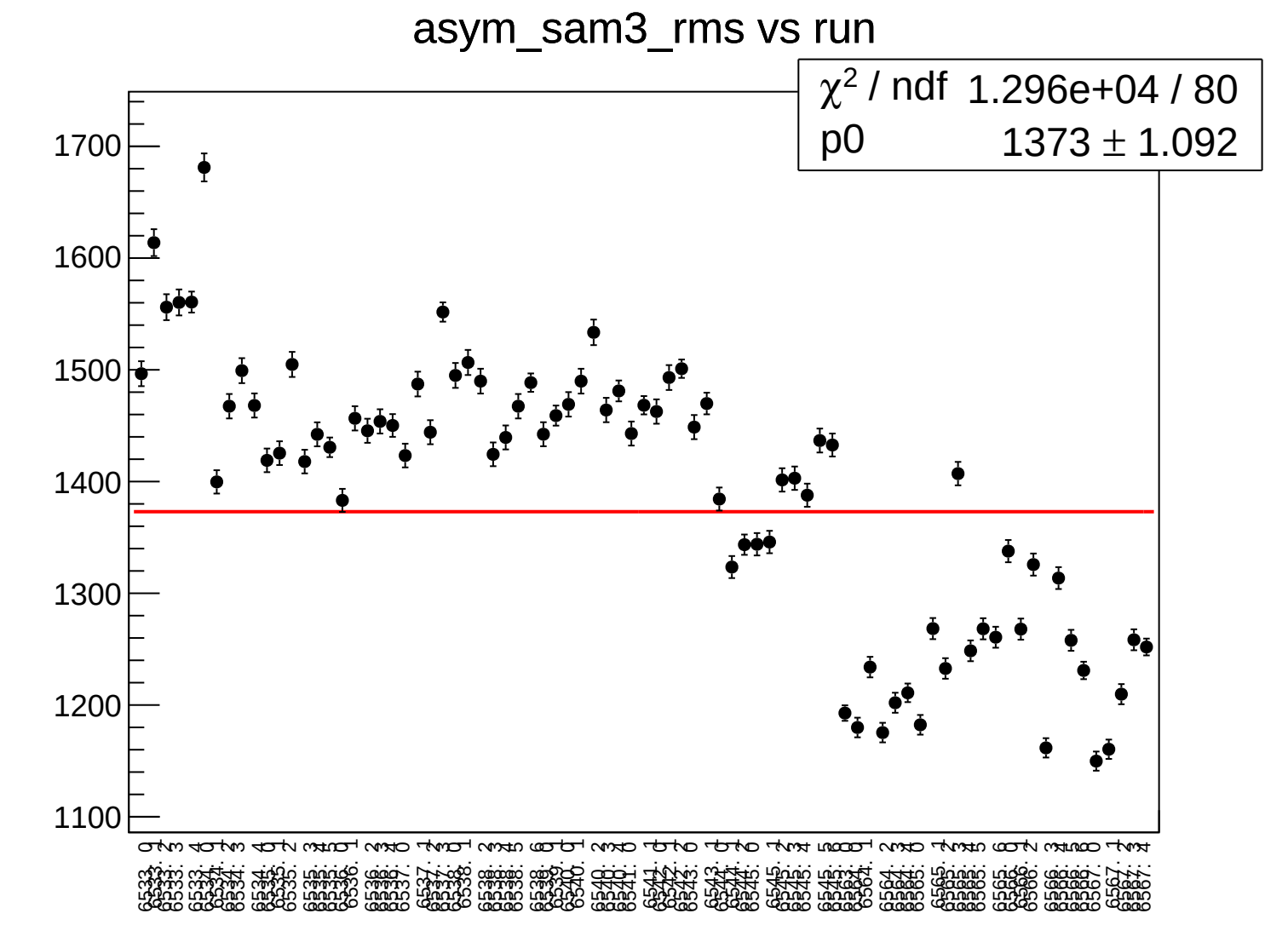

asym_sam3_correction_mean vs run
χ² / ndf 90.34 / 80
p0 −2100 ± 1533
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −1583
Std Dev 1621
2
1
0
−1
−2

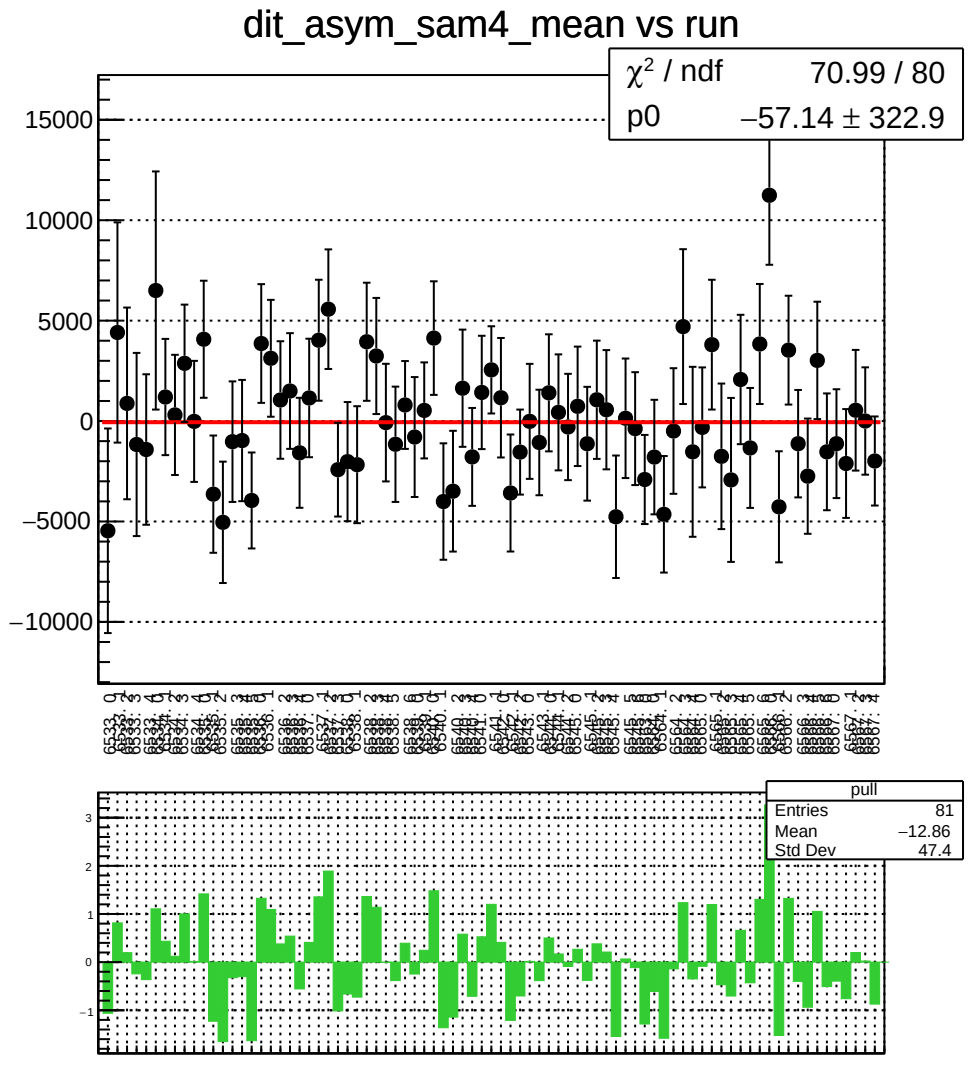

pull1D
Entries 81
Mean −0.001534
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

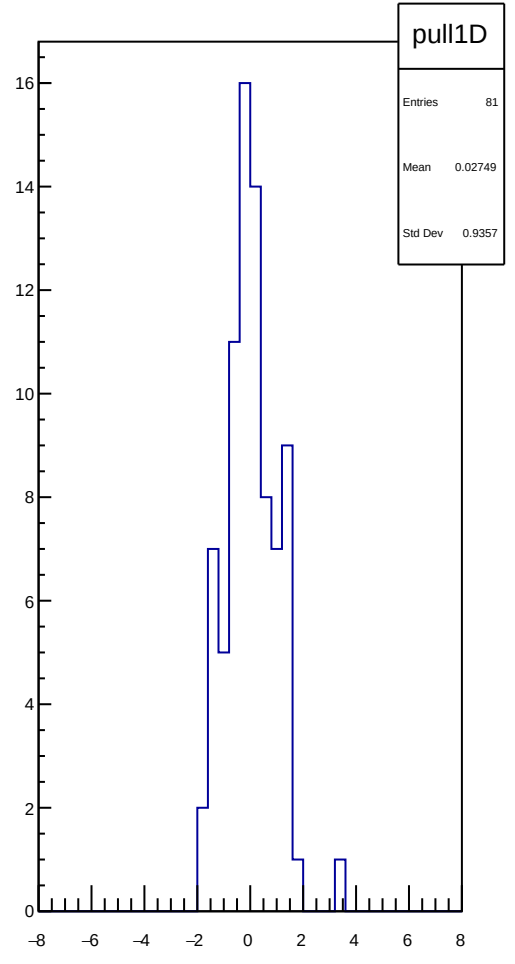

asym_sam3_correction_rms vs run
χ² / ndf 1.453e+04 / 80
p0 1363 ± 1.084
1600
1500
1400
1300
1200
1100

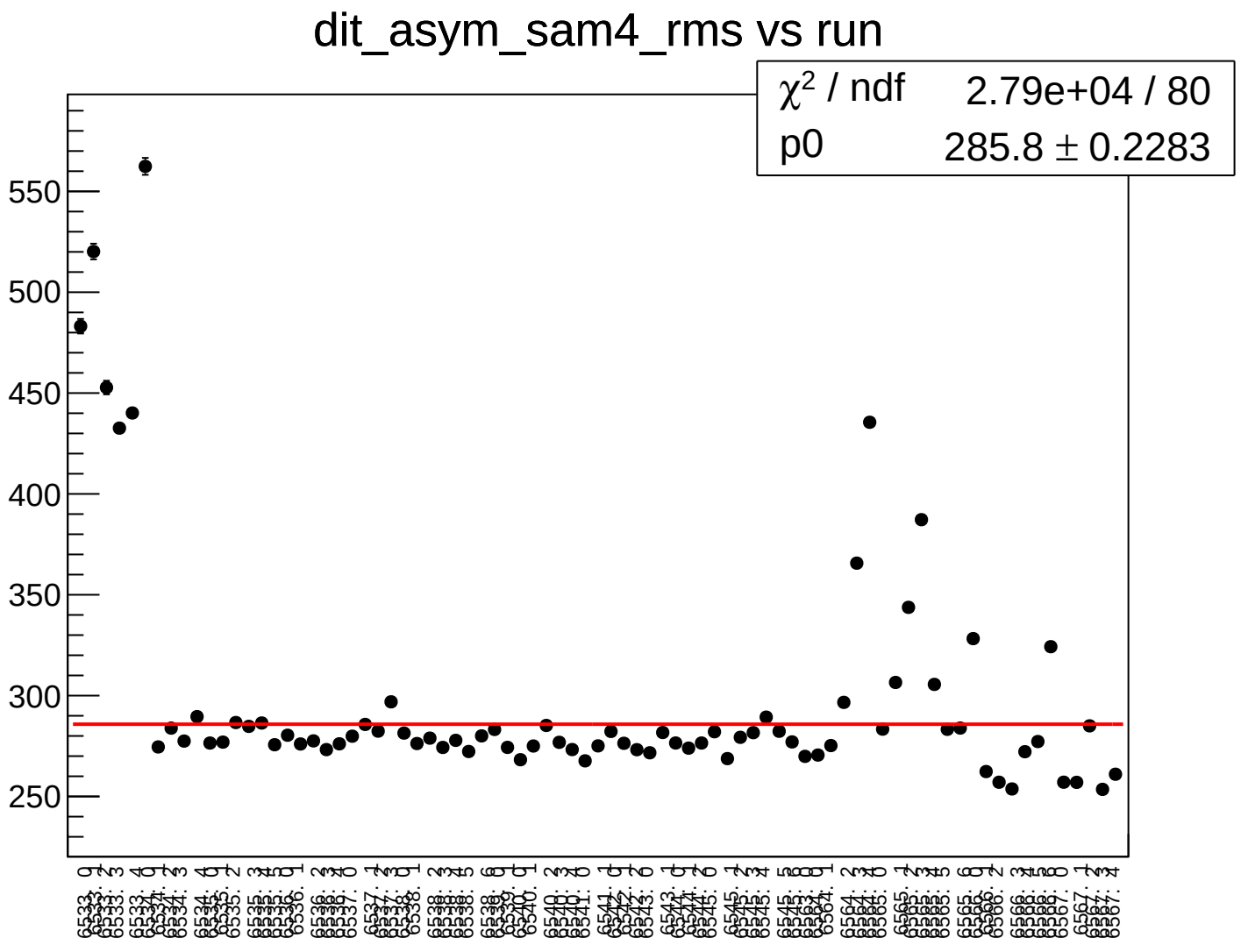

asym_sam3_mean vs run
χ² / ndf 88.38 / 80
p0 2059 ± 1544
pull
Entries 81
Mean −493
Std Dev 532.2

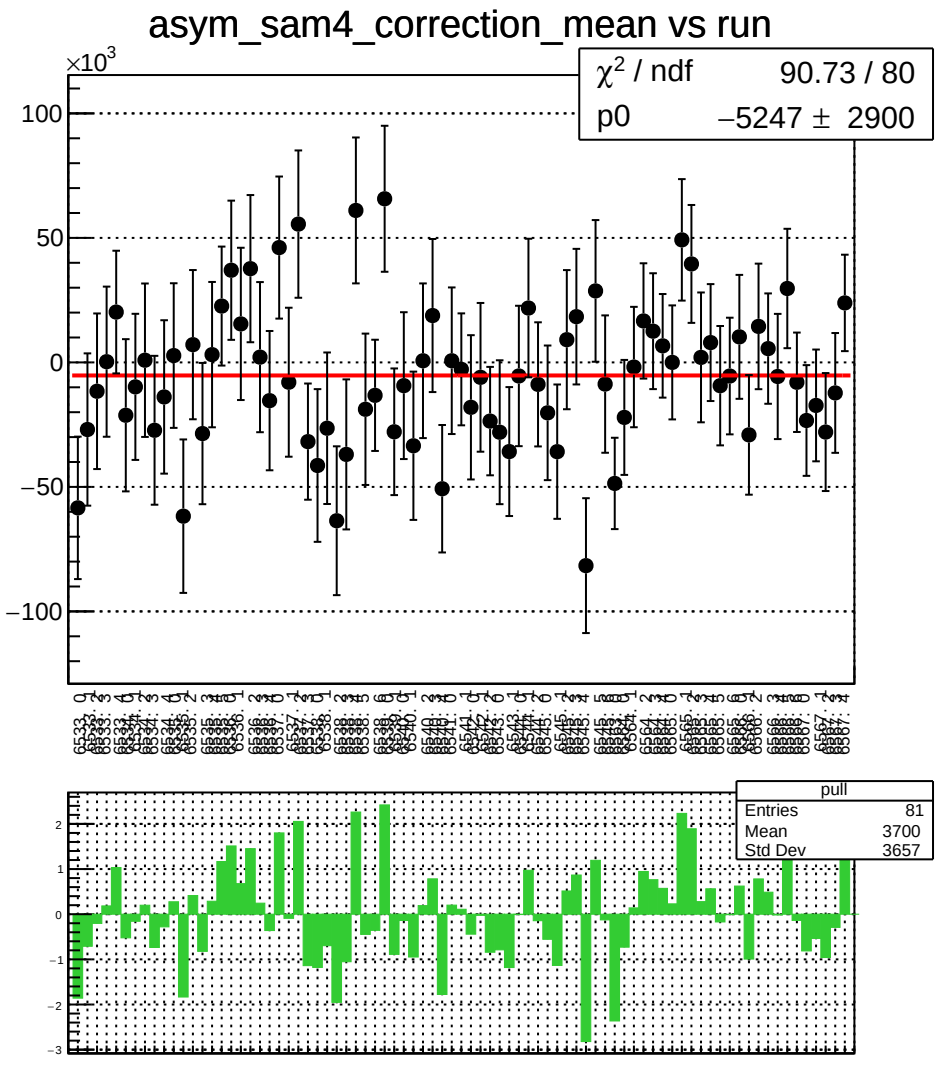

pull1D
Entries 81
Mean 0.00504
Std Dev 1.045

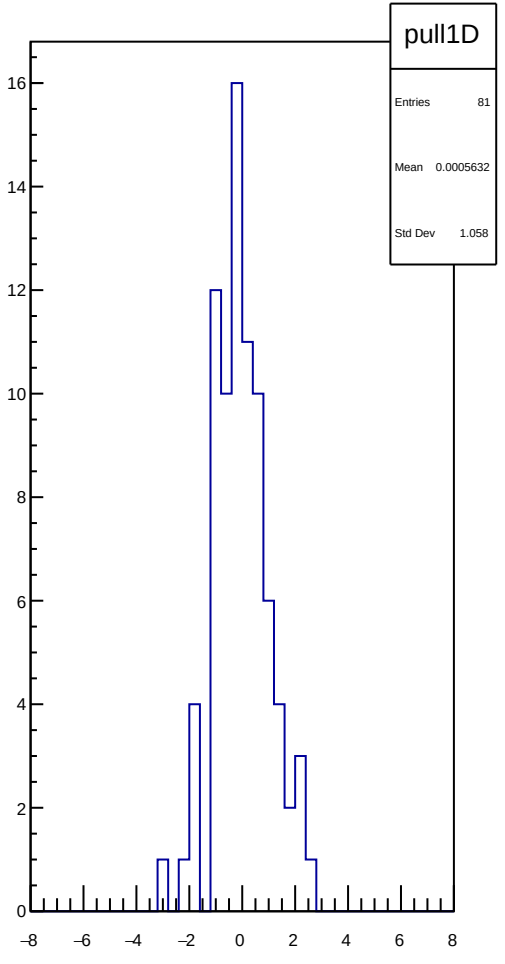

asym_sam3_rms vs run
χ² / ndf 1.296e+04 / 80
p0 1373 ± 1.092
1700
1600
1500
1400
1300
1200
1100

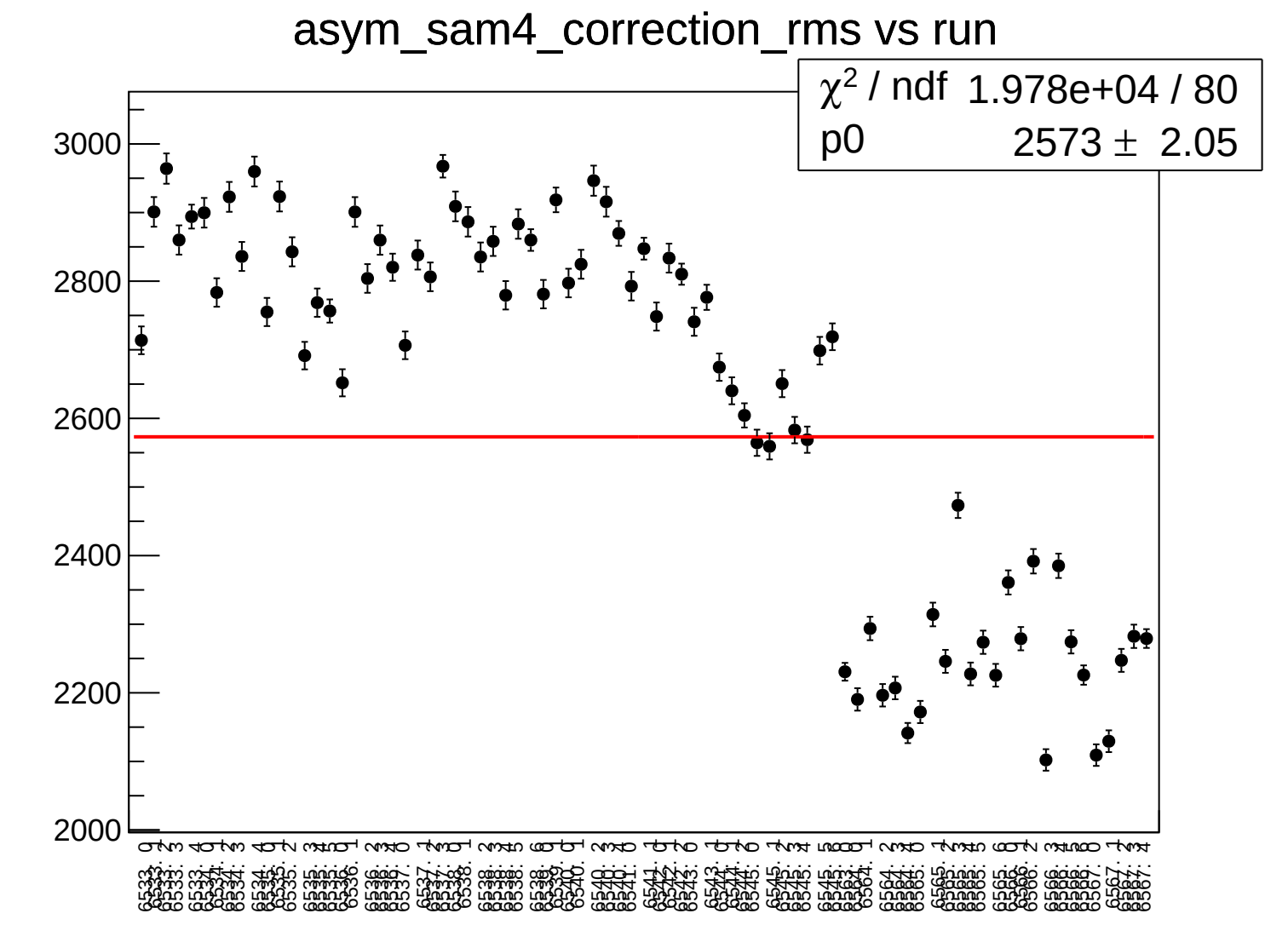

dit_asym_sam4_mean vs run
χ² / ndf 70.99 / 80
p0 −57.14 ± 322.9
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −12.86
Std Dev 47.4
3
2
1
0
−1

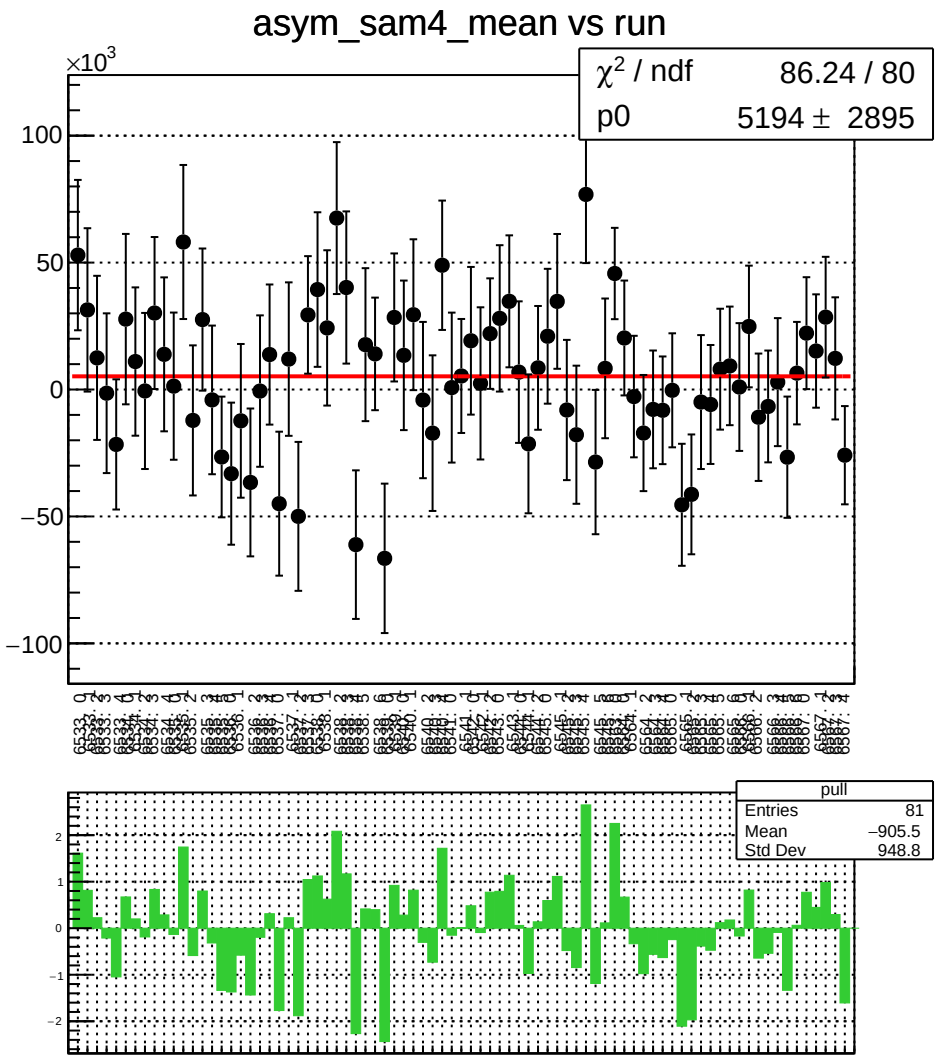

pull1D
Entries 81
Mean 0.02749
Std Dev 0.9357
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

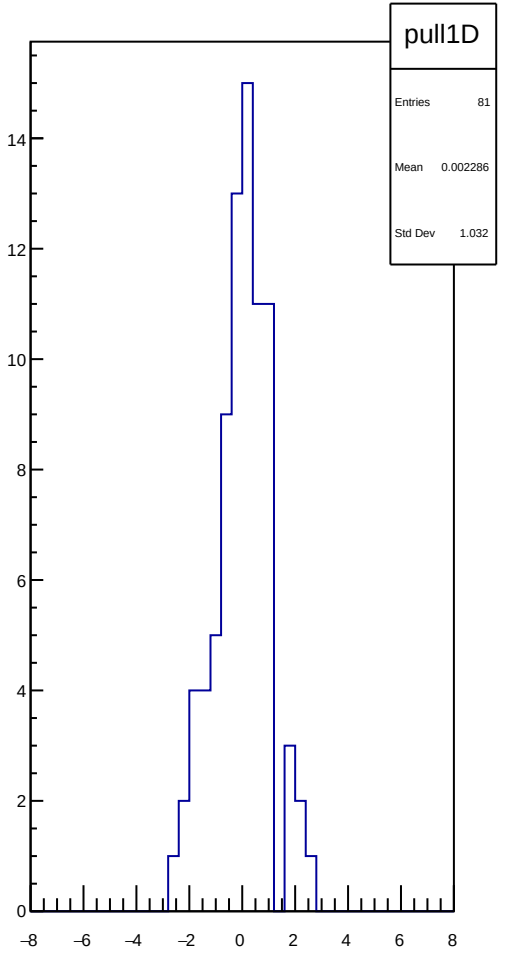

dit_asym_sam4_rms vs run
χ^2 / ndf 2.79e+04 / 80
p0 285.8 ± 0.2283
550
500
450
400
350
300
250

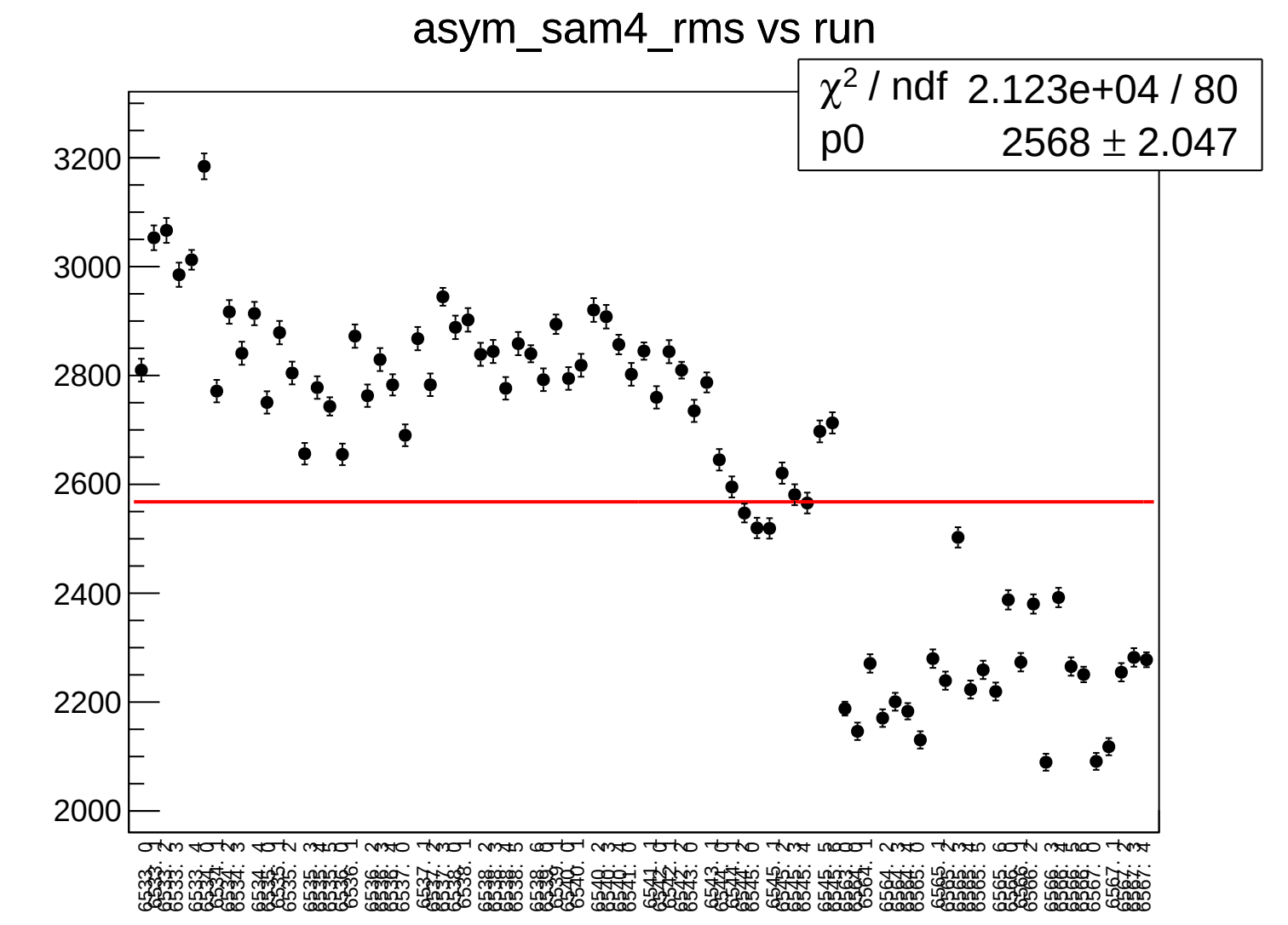

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 90.73 / 80
p0 −5247 ± 2900
100
50
0
−50
−100
pull
Entries 81
Mean 3700
Std Dev 3657
2
1
0
−1
−2
−3

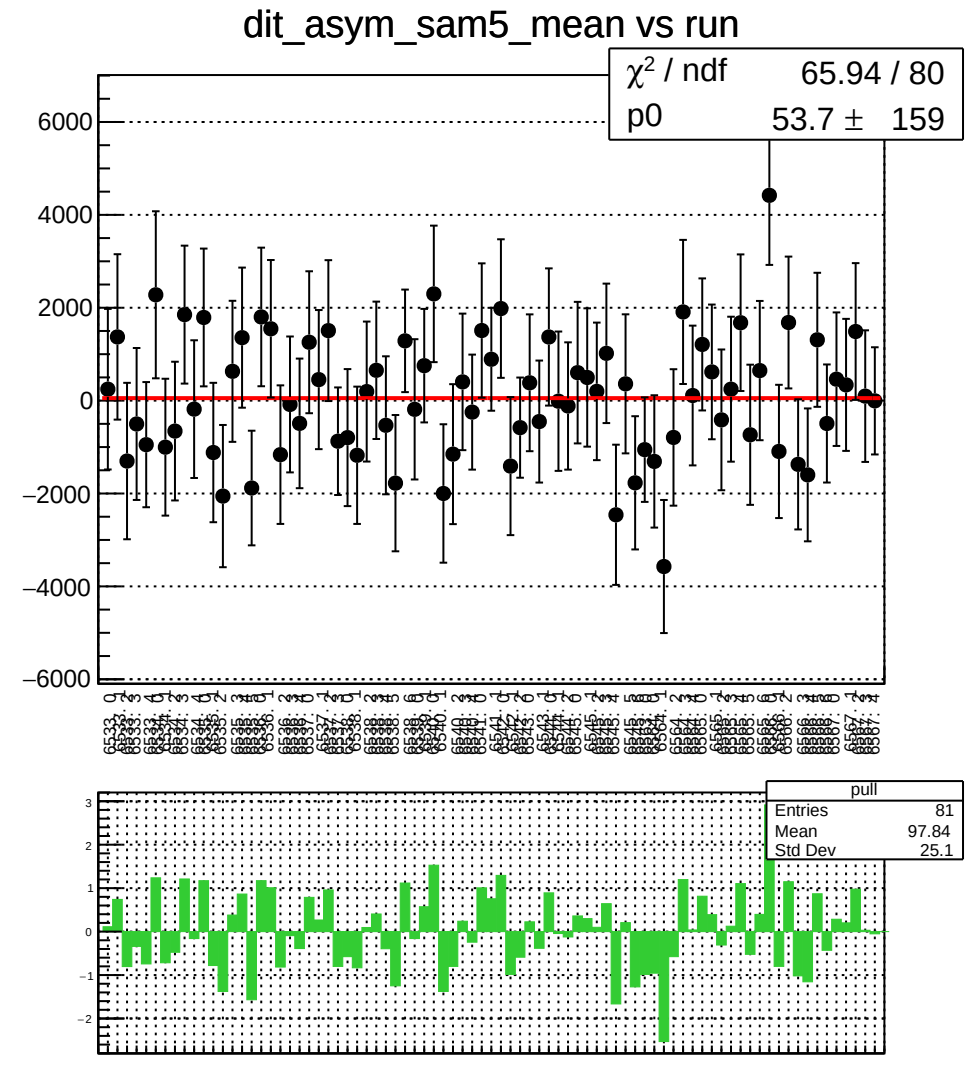

pull1D
Entries 81
Mean 0.0005632
Std Dev 1.058
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

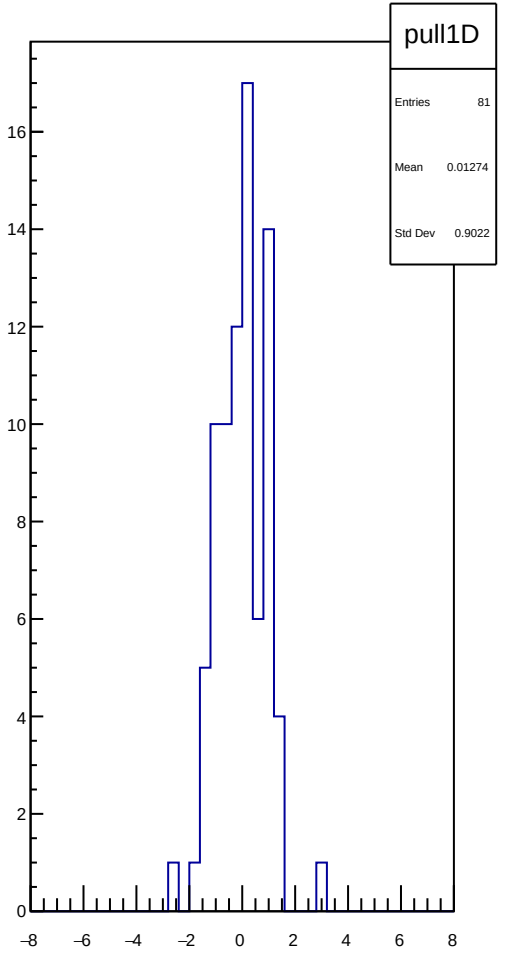

asym_sam4_correction_rms vs run
χ² / ndf 1.978e+04 / 80
p0 2573 ± 2.05
3000
2800
2600
2400
2200
2000

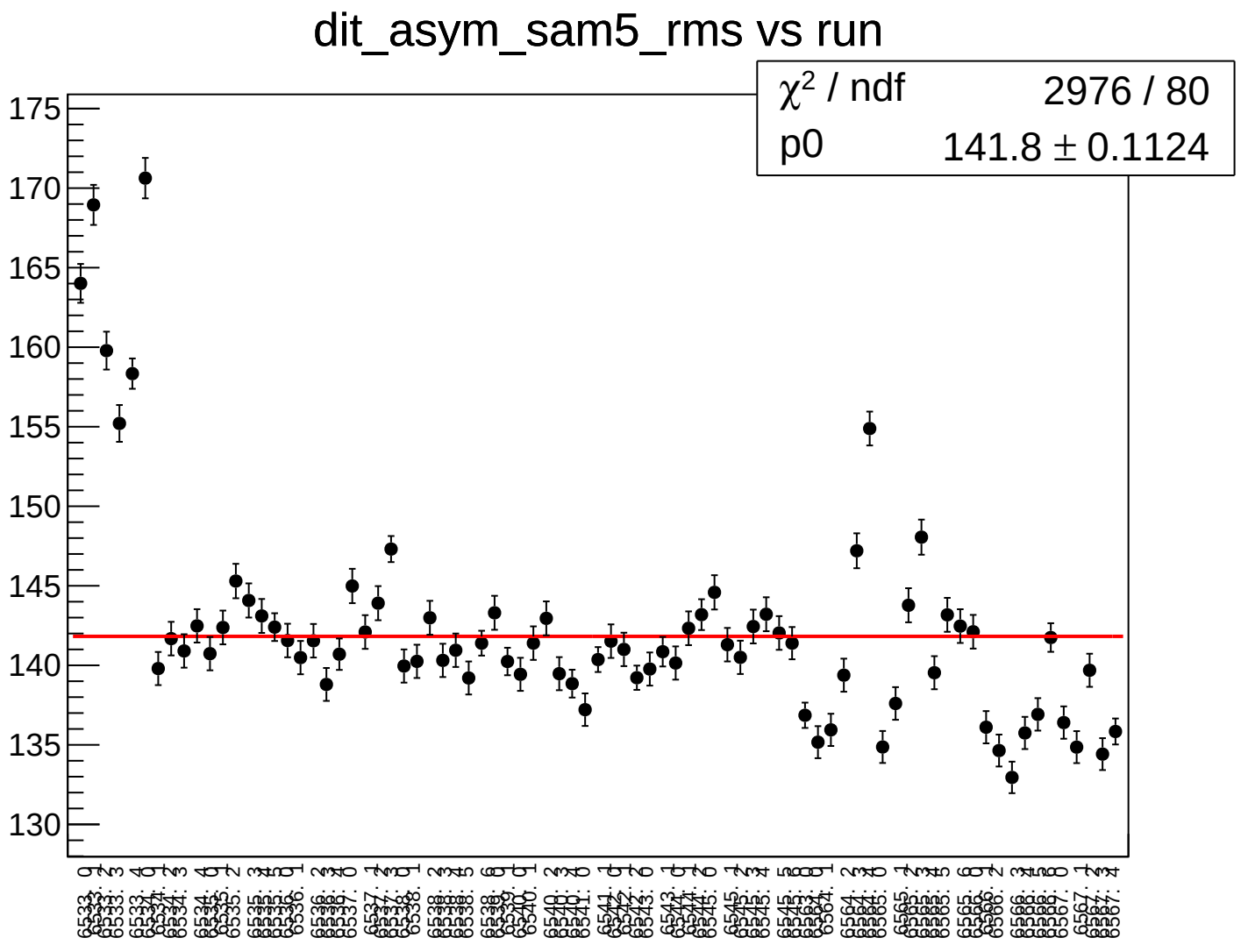

asym_sam4_mean vs run
×10^3
χ² / ndf 86.24 / 80
p0 5194 ± 2895
100
50
0
−50
−100
pull
Entries 81
Mean −905.5
Std Dev 948.8
2
1
0
−1
−2

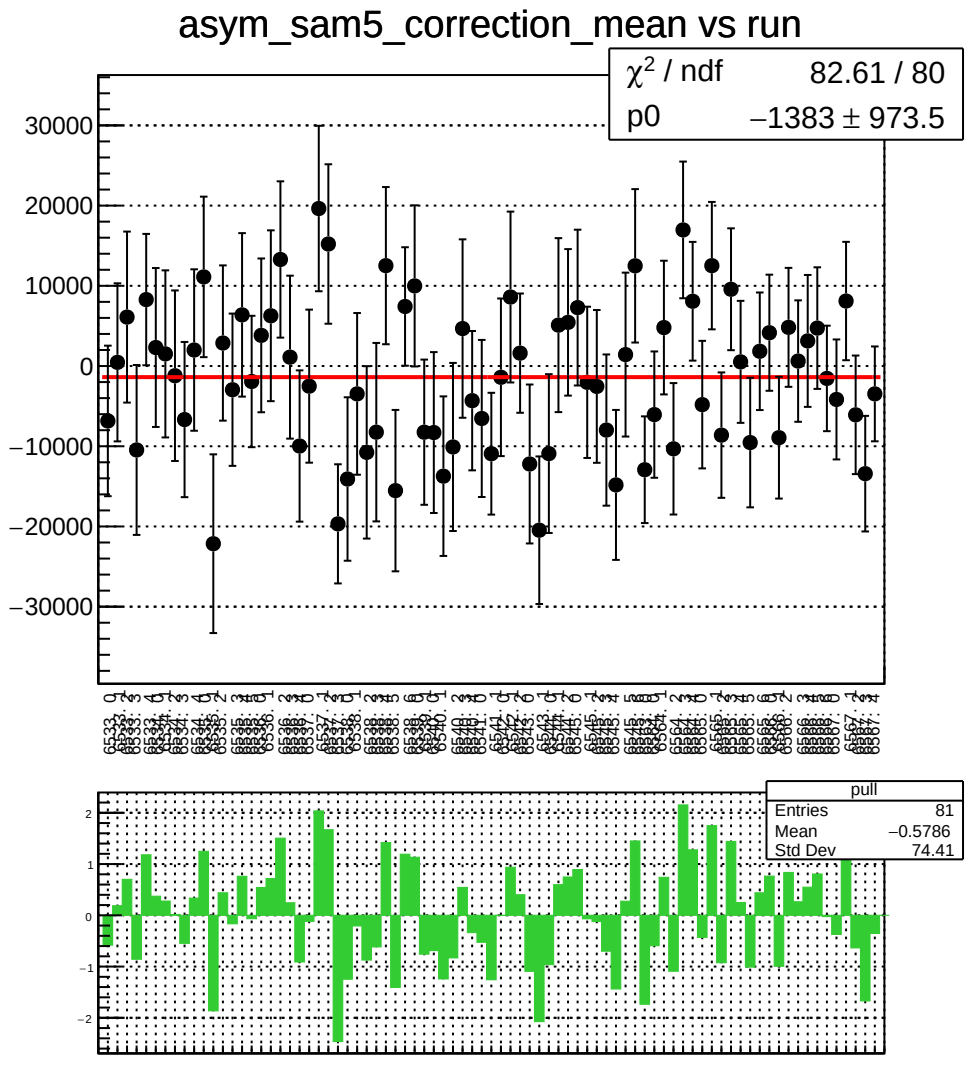

pull1D
Entries 81
Mean 0.002286
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

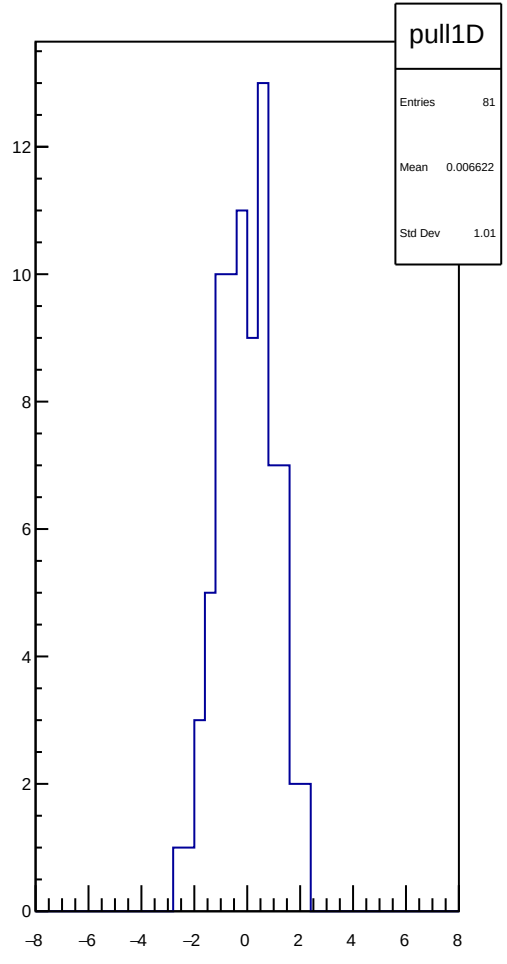

asym_sam4_rms vs run
χ² / ndf 2.123e+04 / 80
p0 2568 ± 2.047
3200
3000
2800
2600
2400
2200
2000

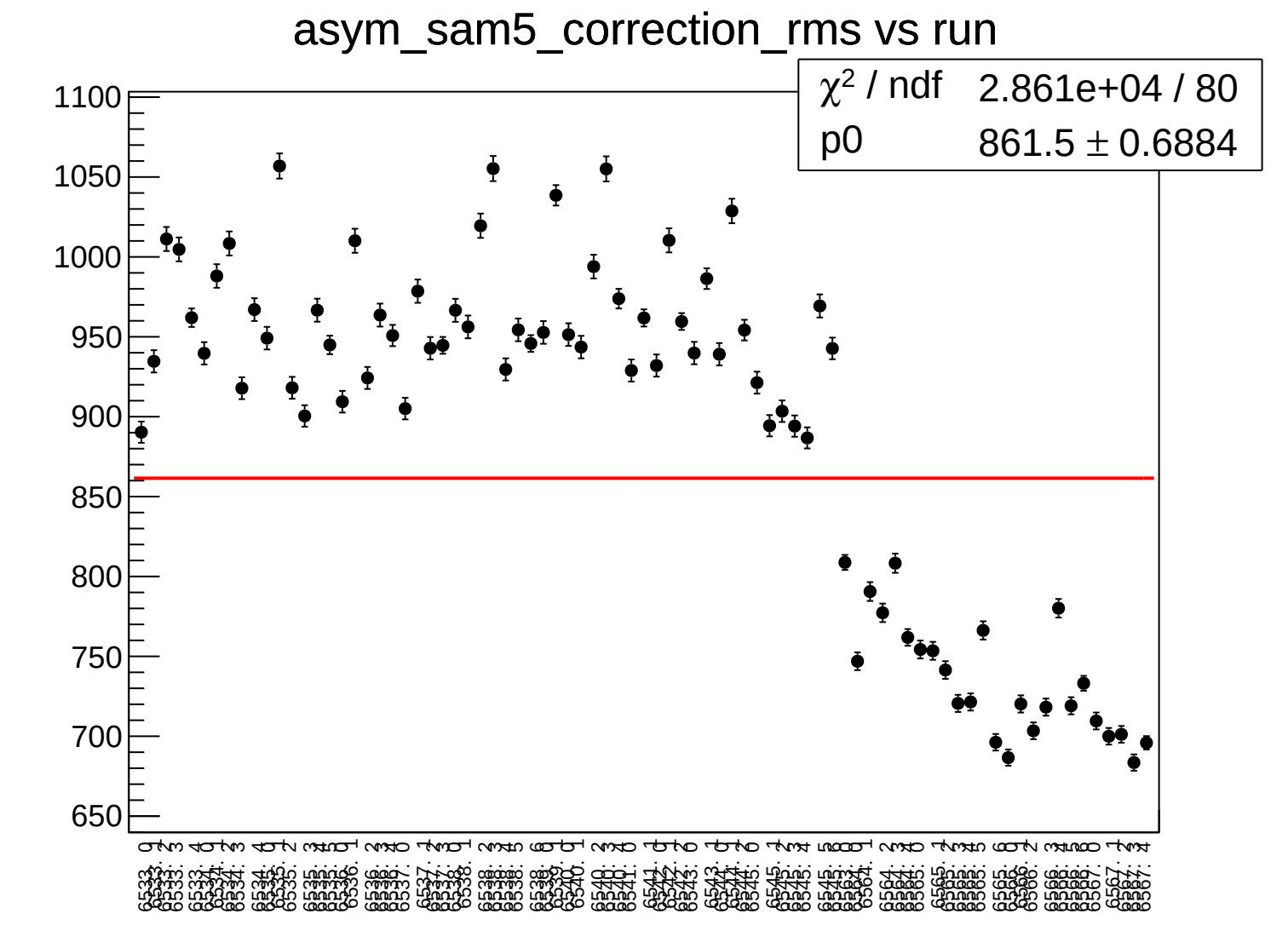

dit_asym_sam5_mean vs run
χ² / ndf 65.94 / 80
p0 53.7 ± 159
pull
Entries 81
Mean 97.84
Std Dev 25.1

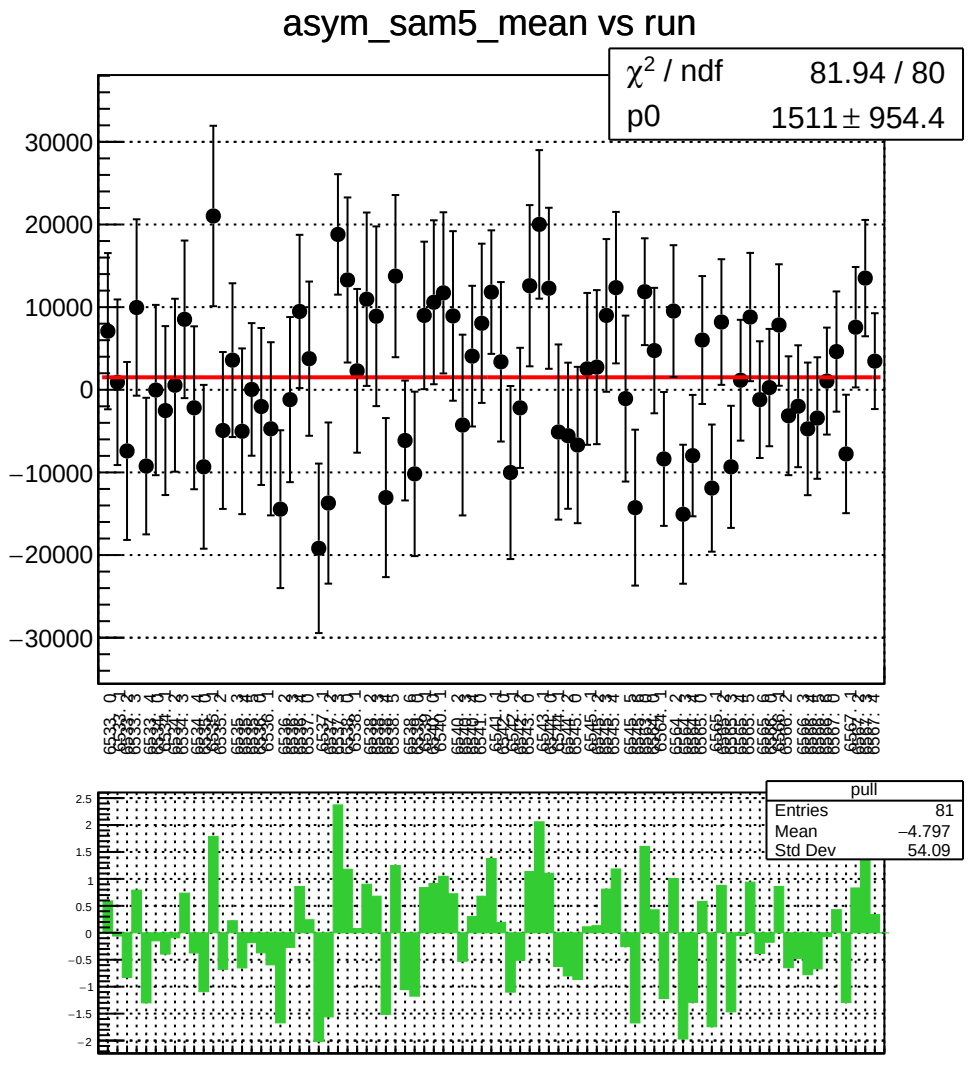

pull1D
Entries 81
Mean 0.01274
Std Dev 0.9022

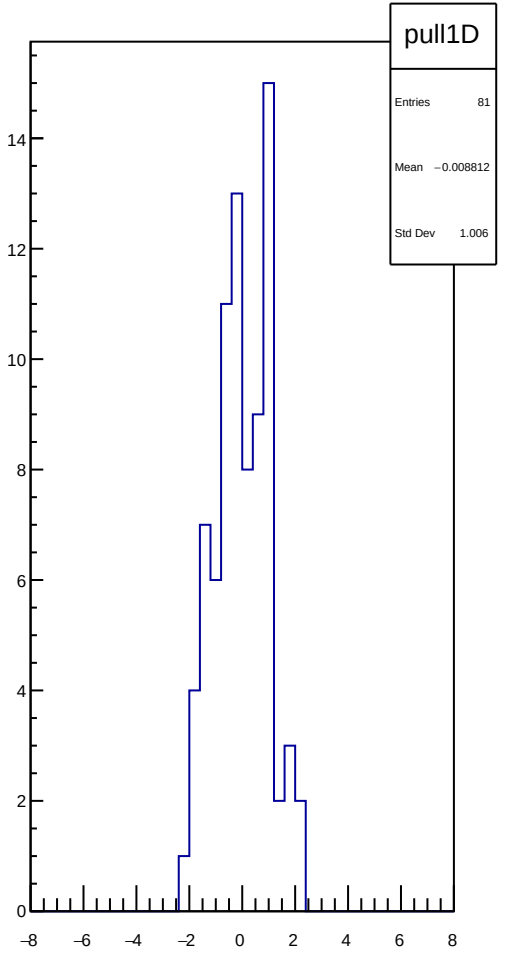

dit_asym_sam5_rms vs run
χ² / ndf 2976 / 80
p0 141.8 ± 0.1124
175
170
165
160
155
150
145
140
135
130

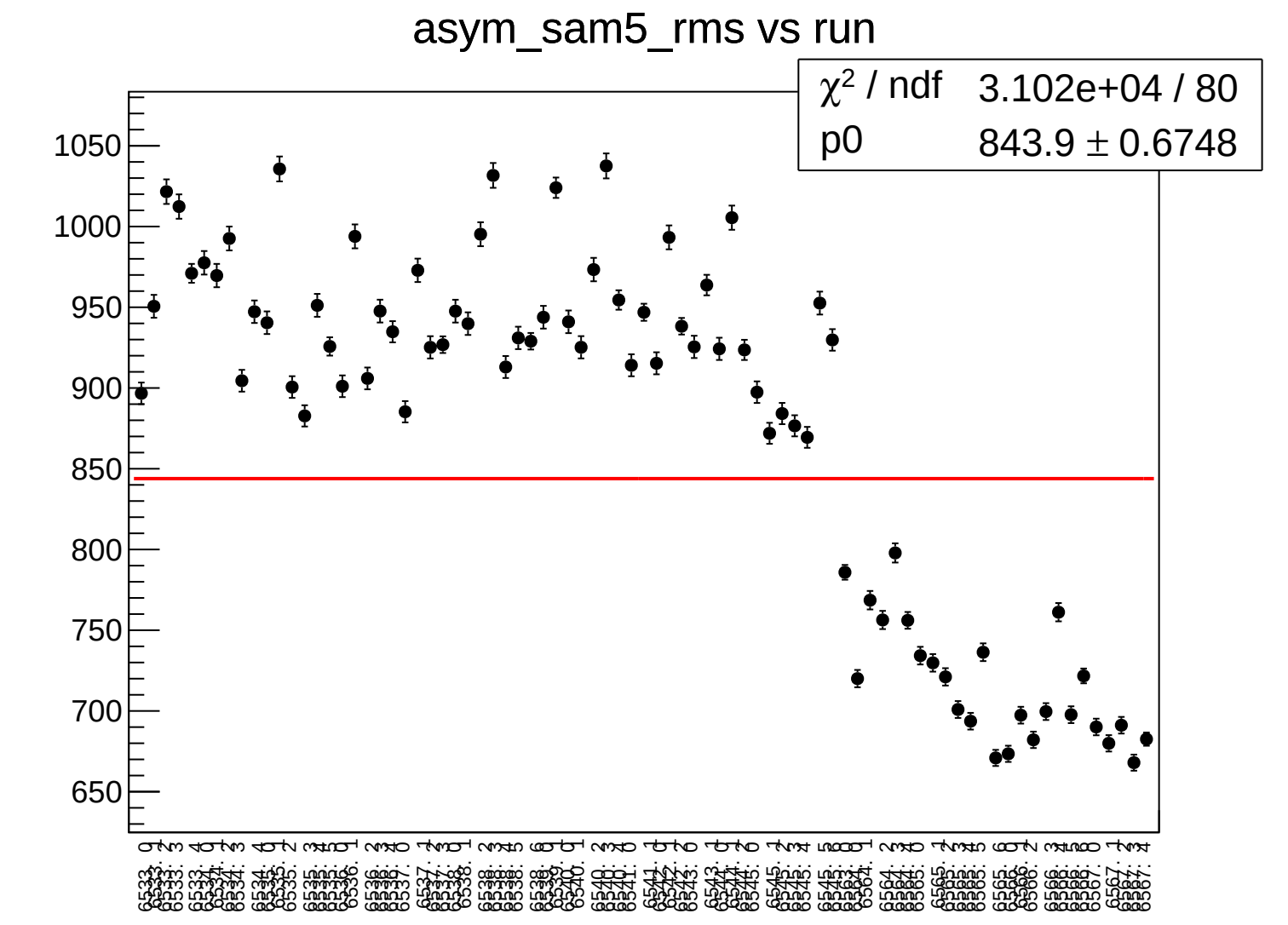

asym_sam5_correction_mean vs run
χ² / ndf 82.61 / 80
p0 −1383 ± 973.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −0.5786
Std Dev 74.41
2
1
0
−1
−2

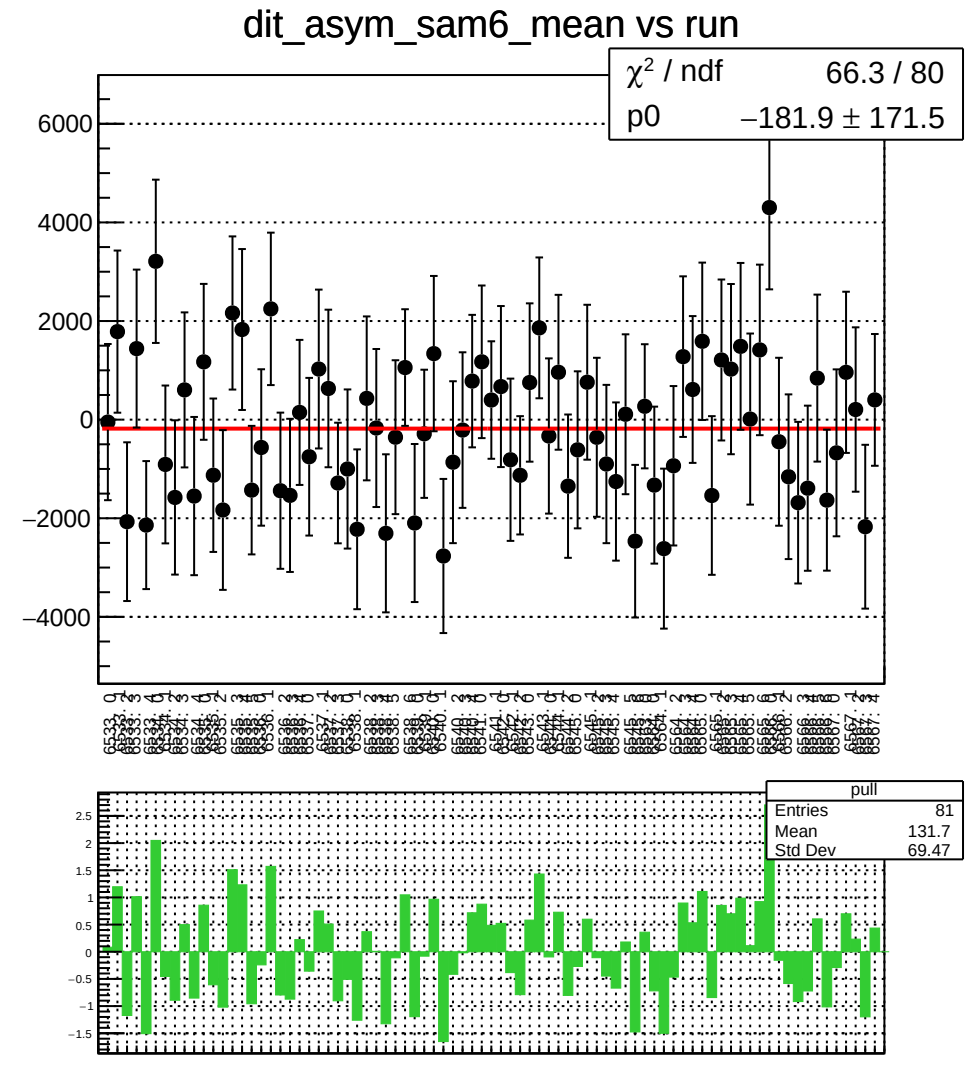

pull1D
Entries 81
Mean 0.006622
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

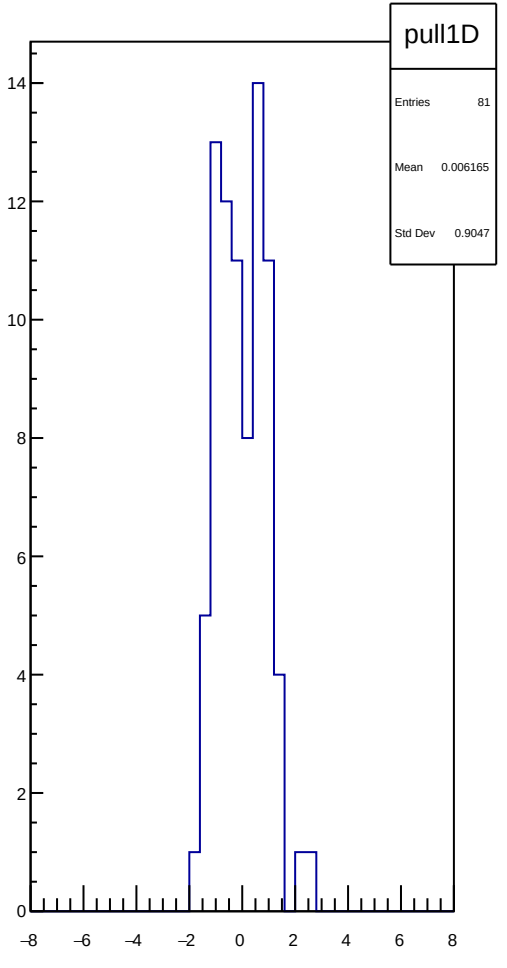

asym_sam5_correction_rms vs run
χ² / ndf 2.861e+04 / 80
p0 861.5 ± 0.6884
1100
1050
1000
950
900
850
800
750
700
650

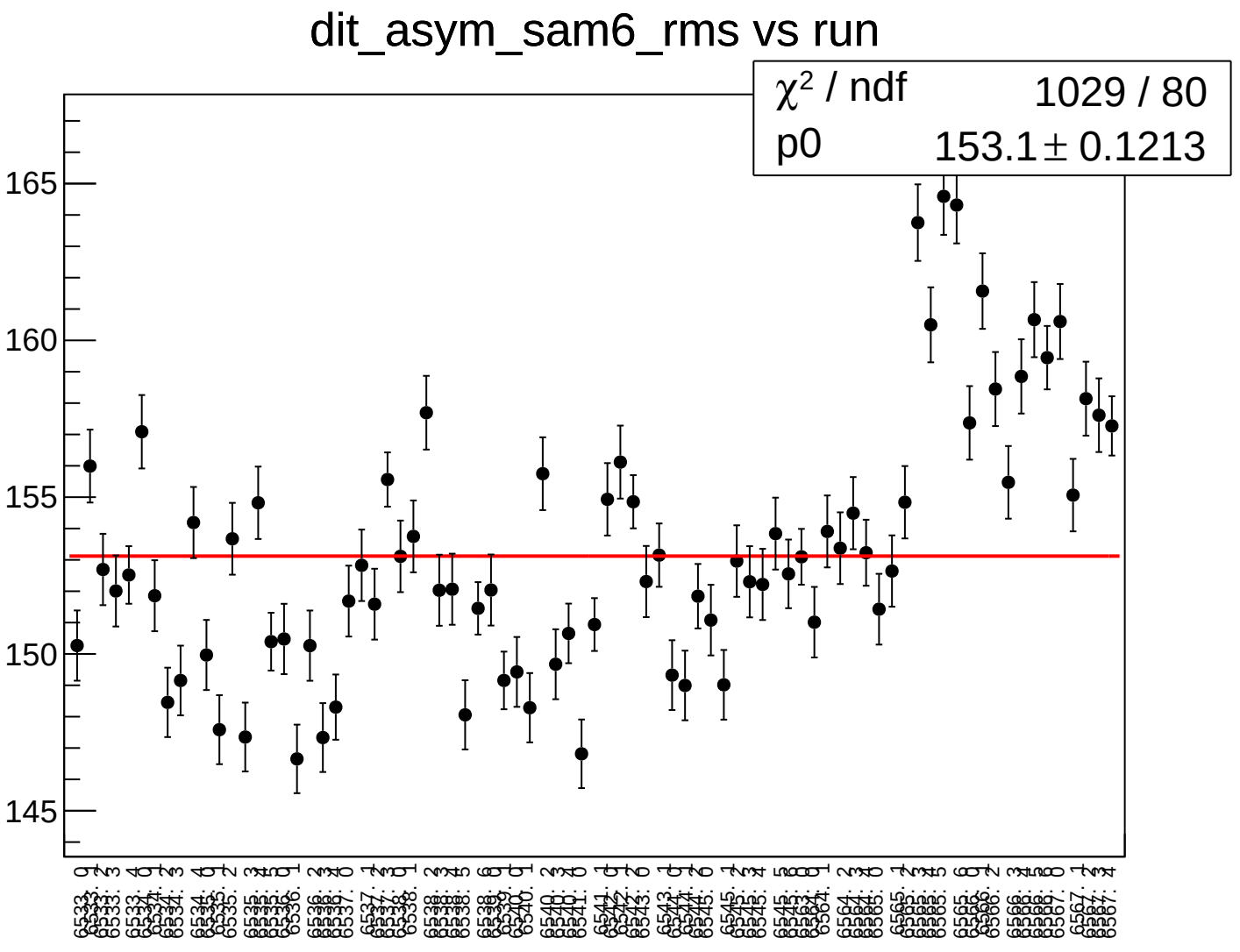

asym_sam5_mean vs run
χ^2 / ndf 81.94 / 80
p0 1511 ± 954.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −4.797
Std Dev 54.09
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

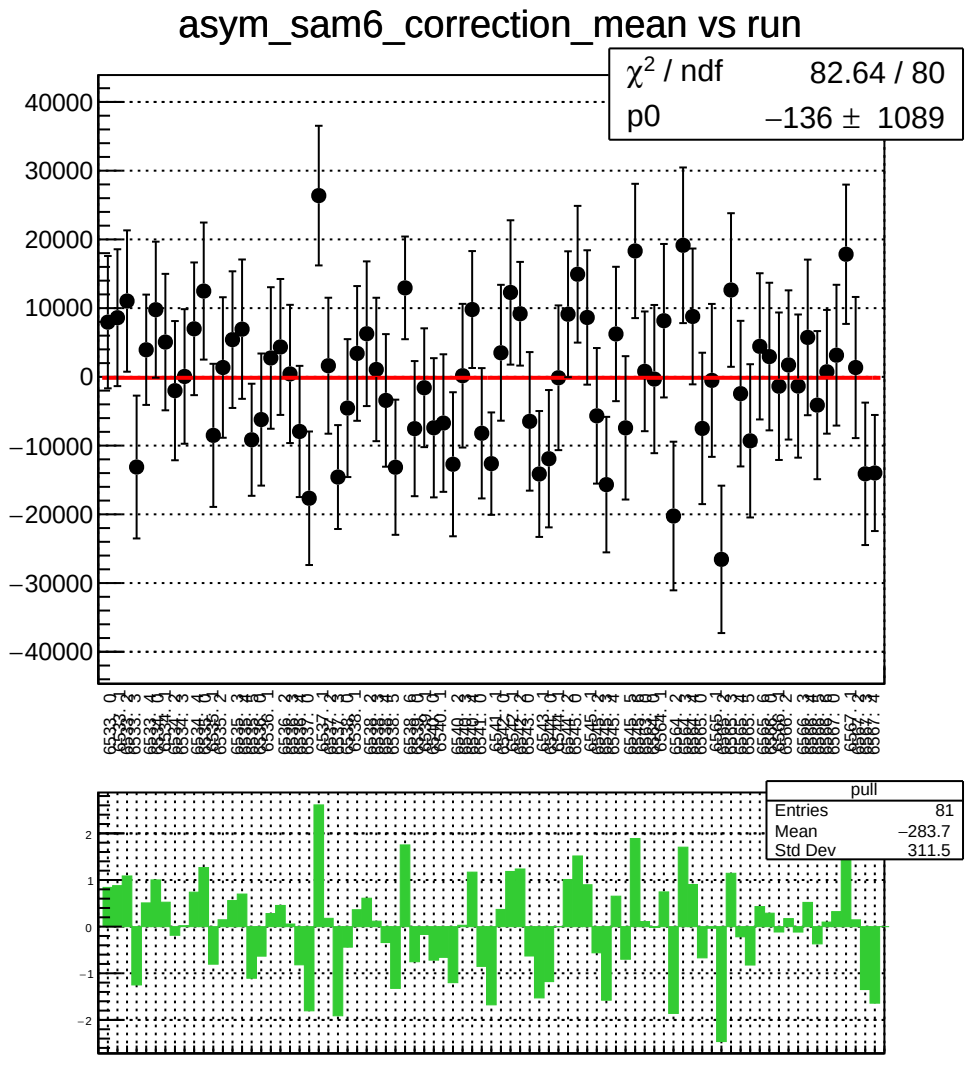

pull1D
Entries 81
Mean −0.008812
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

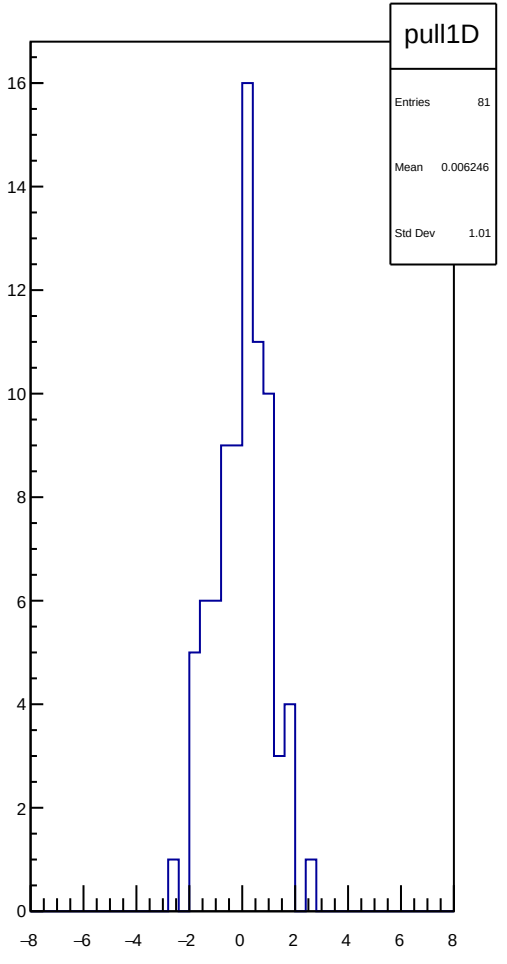

asym_sam5_rms vs run
χ² / ndf 3.102e+04 / 80
p0 843.9 ± 0.6748
1050
1000
950
900
850
800
750
700
650

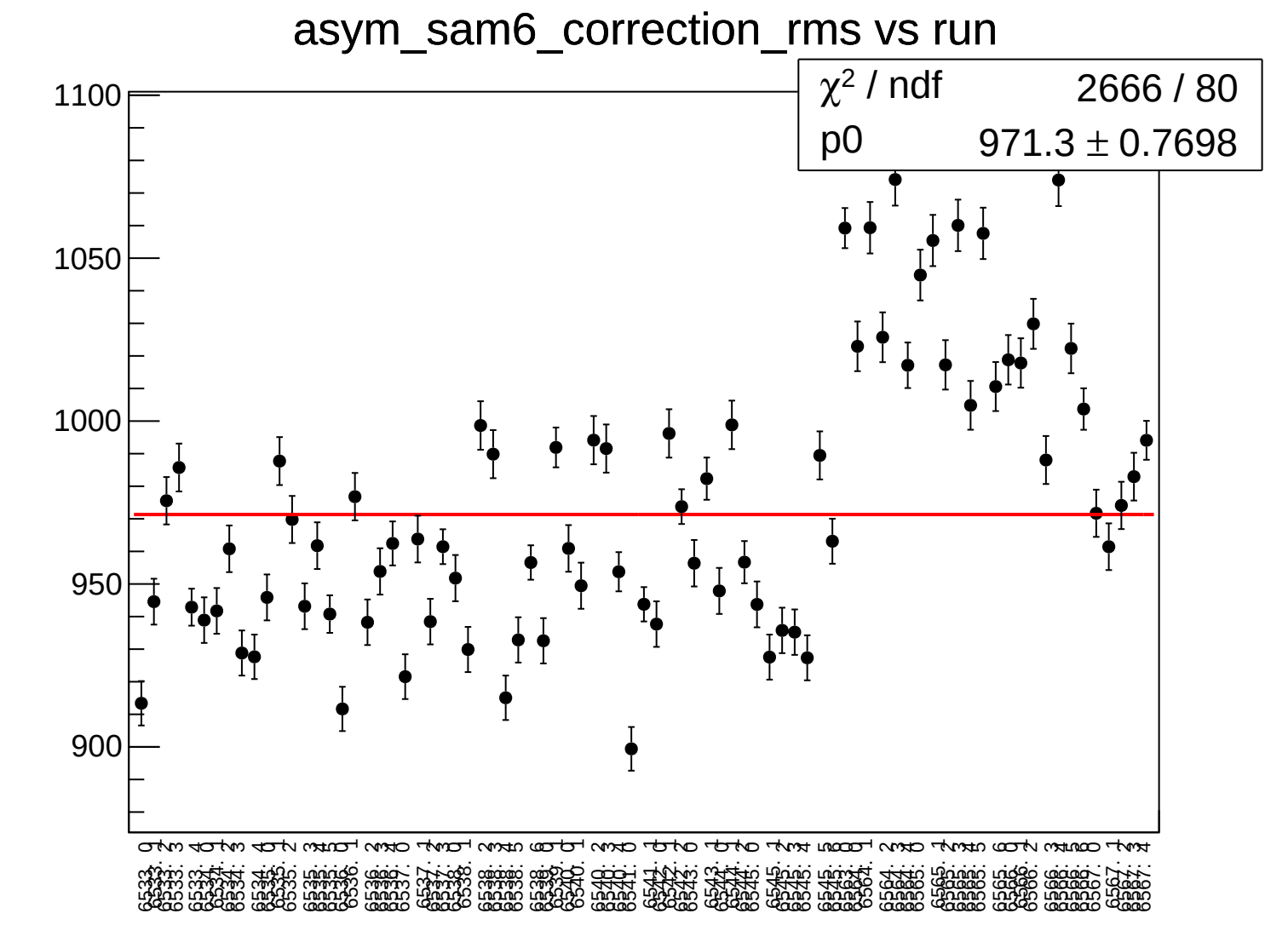

dit_asym_sam6_mean vs run
χ² / ndf 66.3 / 80
p0 −181.9 ± 171.5
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 131.7
Std Dev 69.47
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

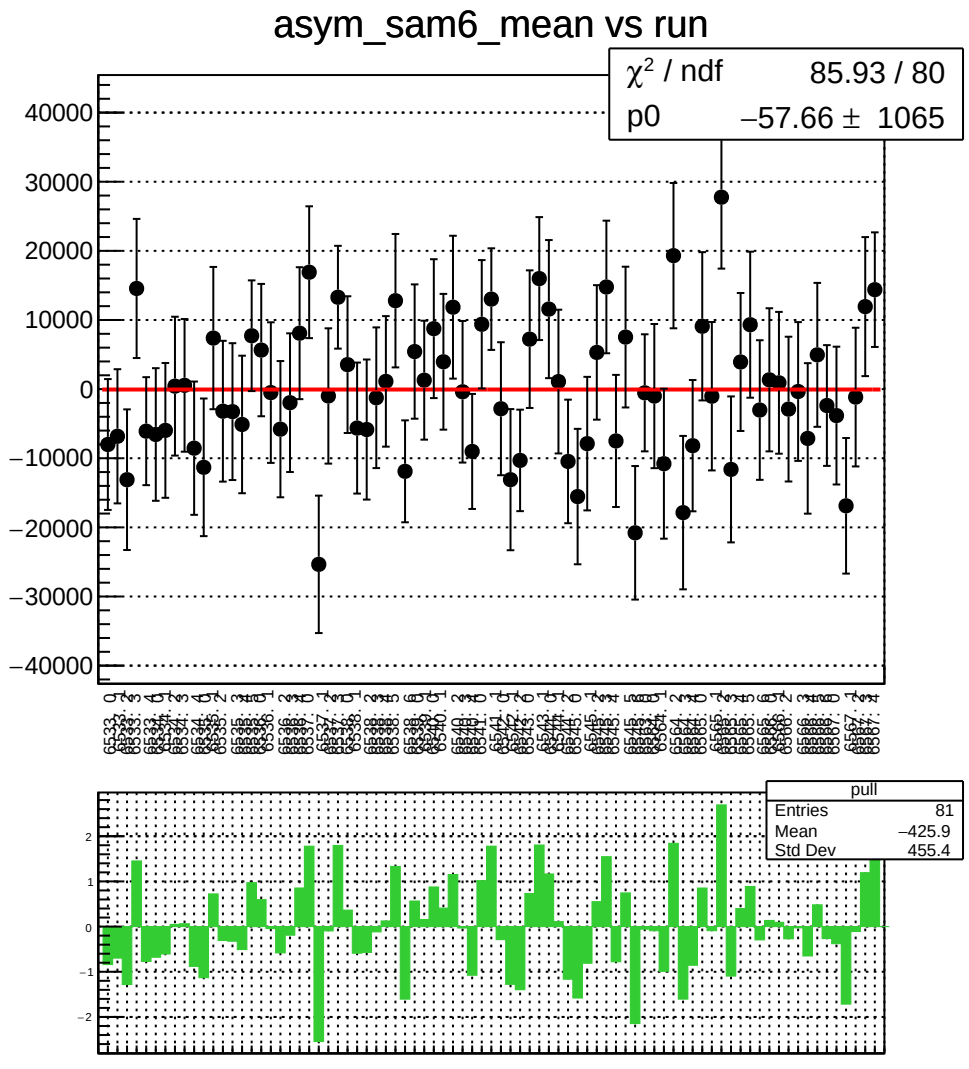

pull1D
Entries 81
Mean 0.006165
Std Dev 0.9047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

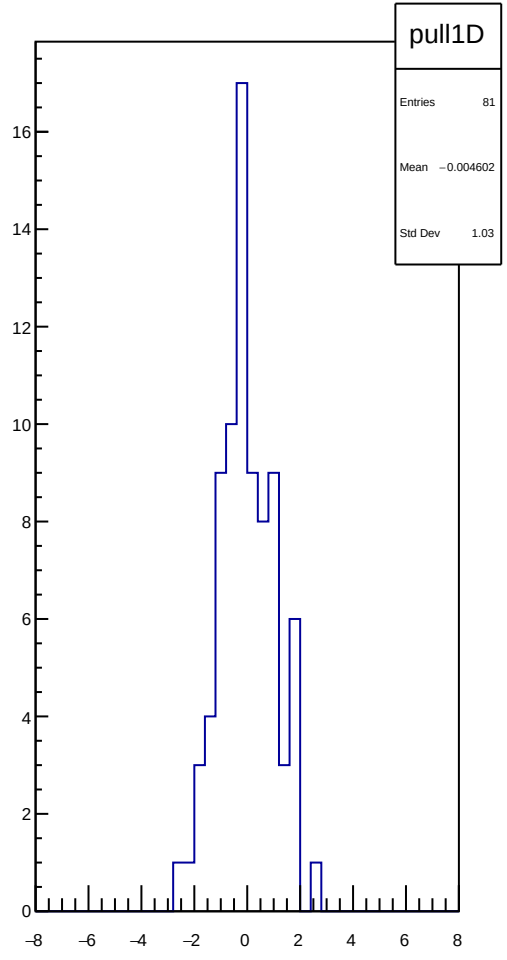

dit_asym_sam6_rms vs run
χ² / ndf 1029 / 80
p0 153.1 ± 0.1213
165
160
155
150
145

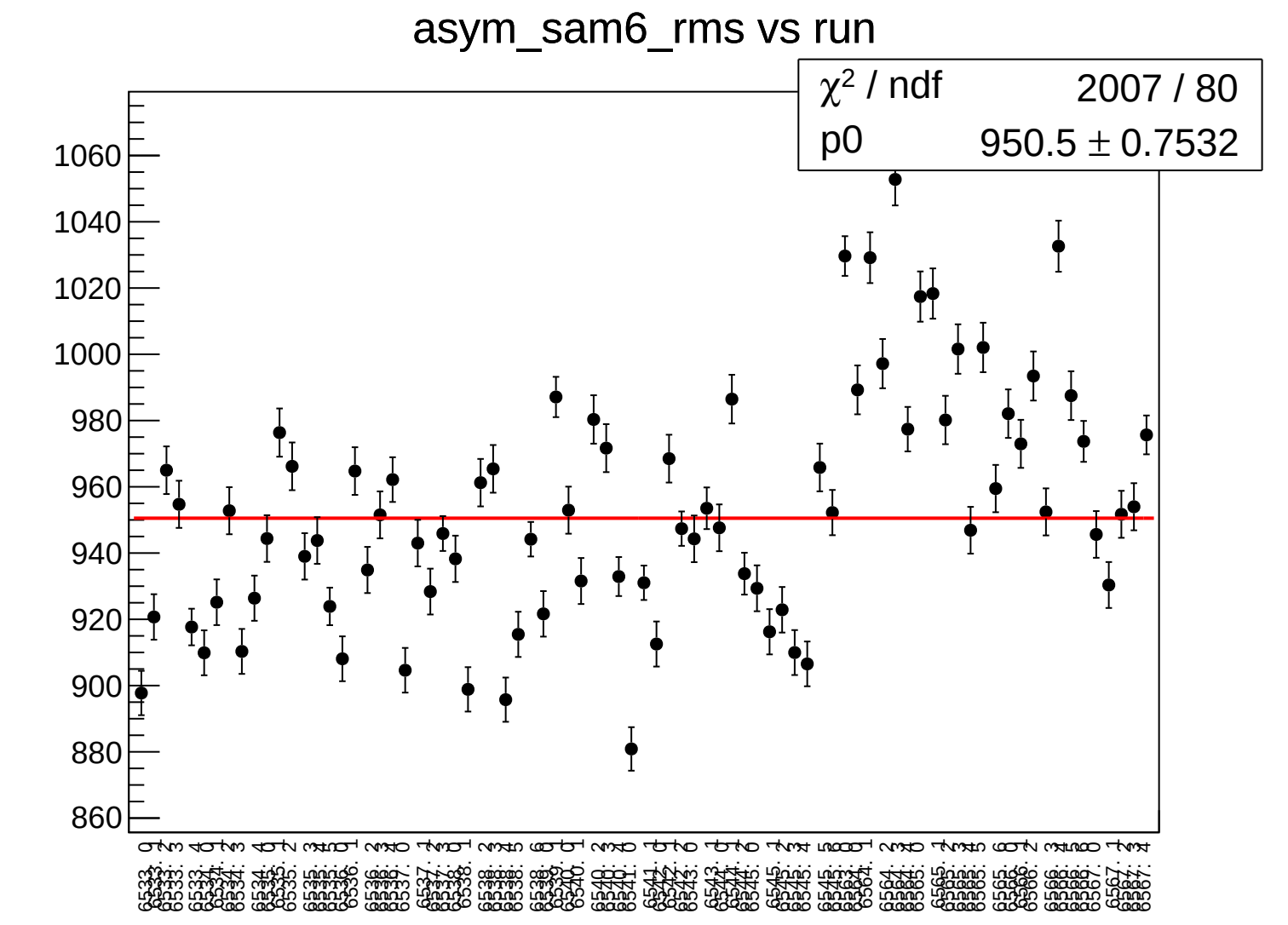

asym_sam6_correction_mean vs run
χ² / ndf 82.64 / 80
p0 −136 ± 1089
pull
Entries 81
Mean −283.7
Std Dev 311.5

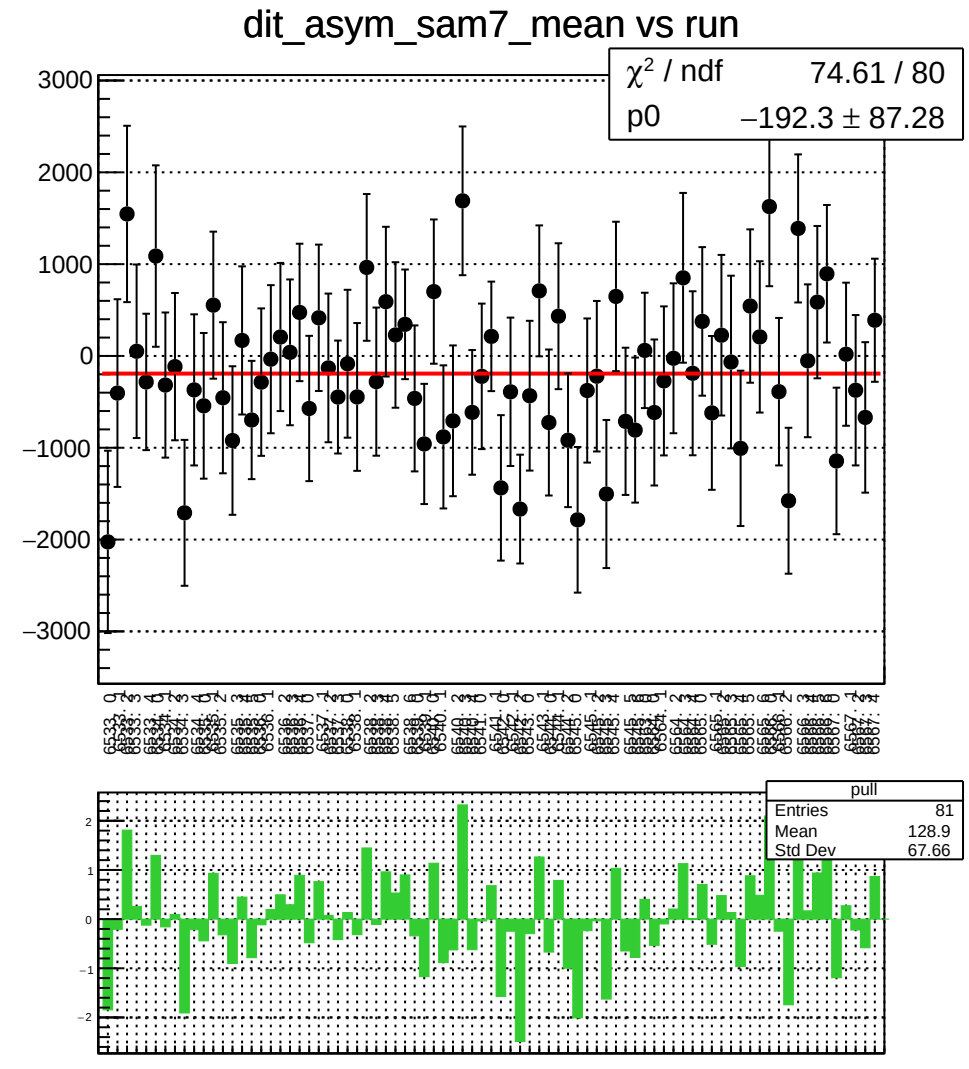

pull1D
Entries 81
Mean 0.006246
Std Dev 1.01

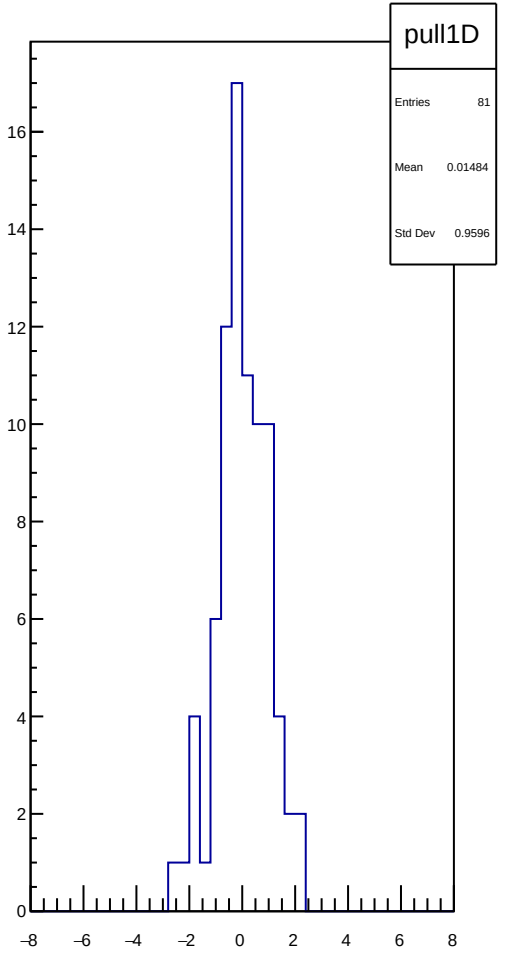

asym_sam6_correction_rms vs run
χ² / ndf 2666 / 80
p0 971.3 ± 0.7698
1100
1050
1000
950
900

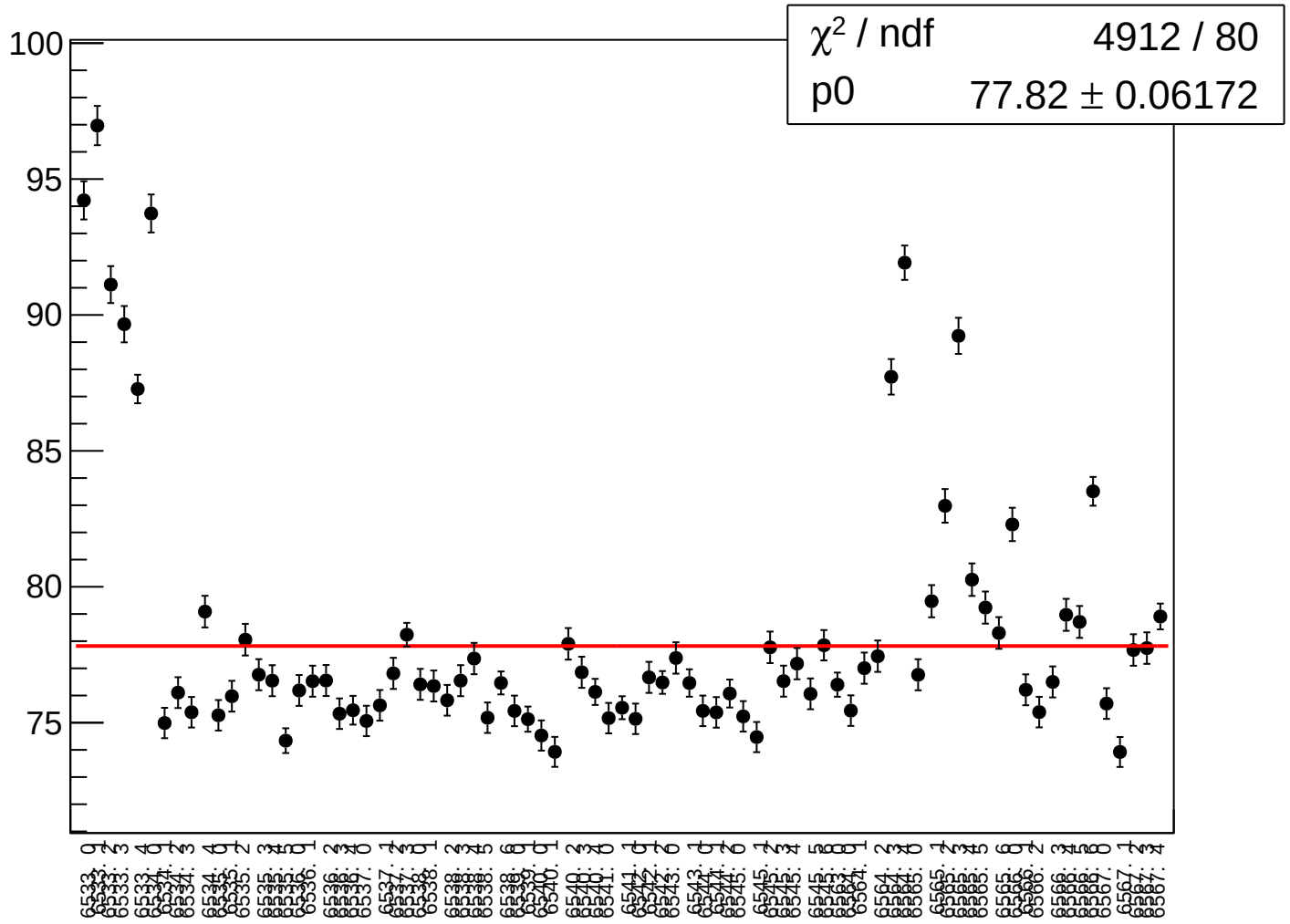

asym_sam6_mean vs run
χ² / ndf 85.93 / 80
p0 −57.66 ± 1065
pull
Entries 81
Mean −425.9
Std Dev 455.4

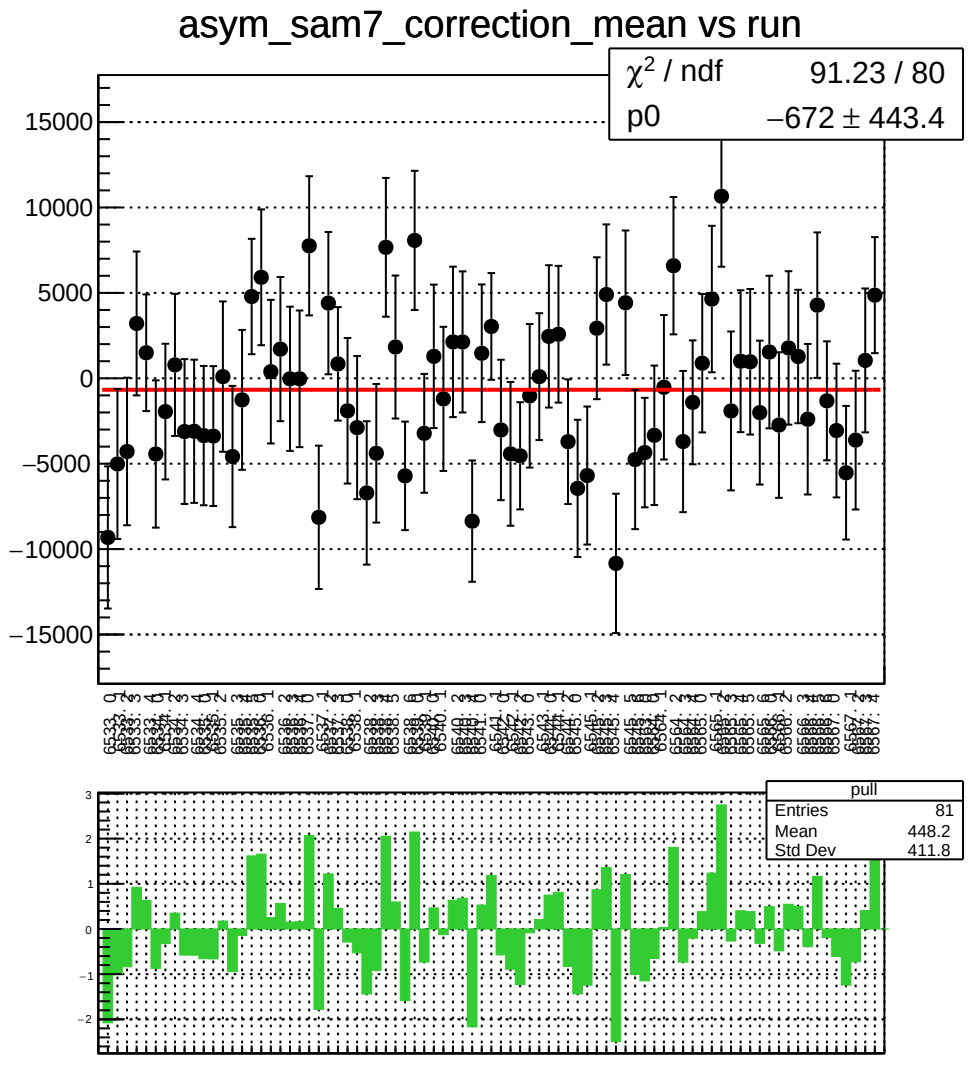

pull1D
Entries 81
Mean −0.004602
Std Dev 1.03

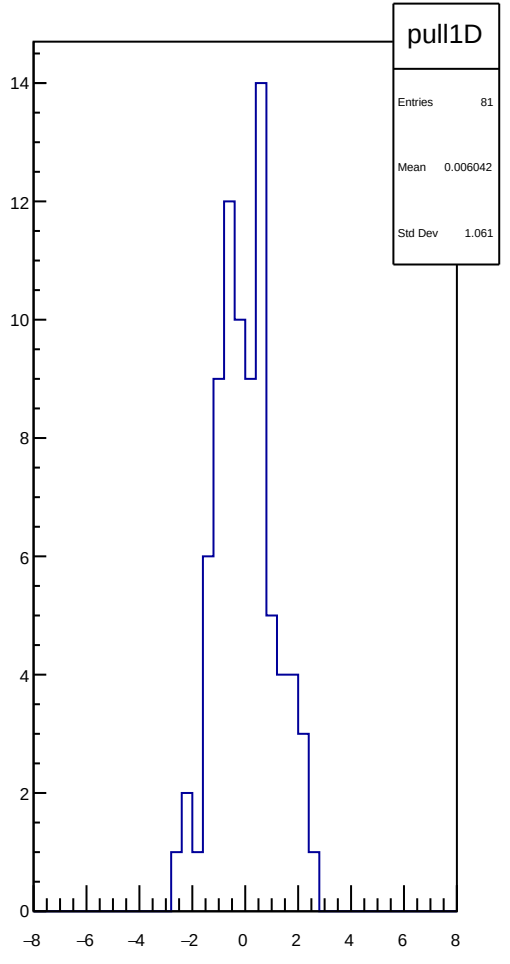

asym_sam6_rms vs run
χ² / ndf 2007 / 80
p0 950.5 ± 0.7532
1060
1040
1020
1000
980
960
940
920
900
880
860

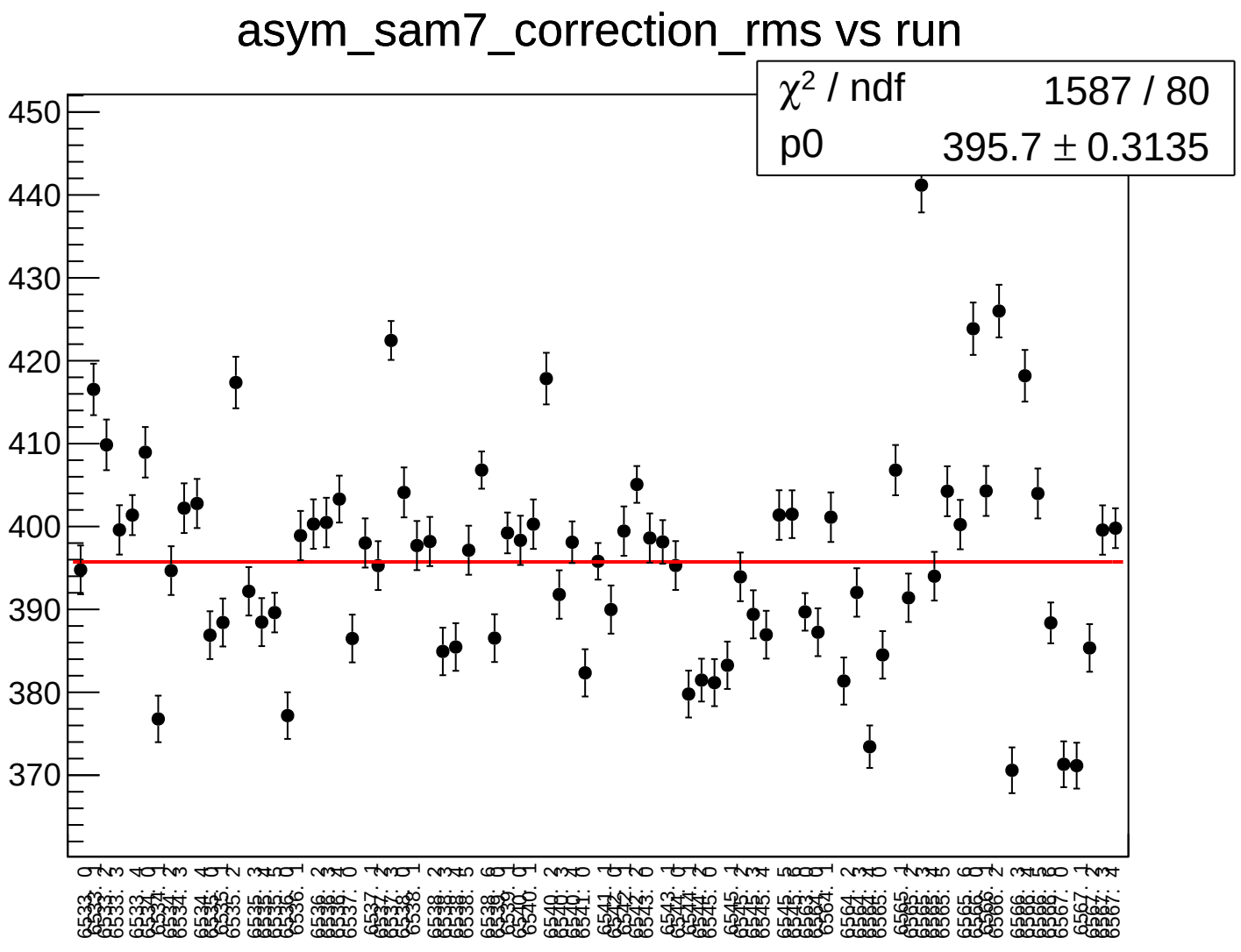

dit_asym_sam7_mean vs run
χ² / ndf 74.61 / 80
p0 −192.3 ± 87.28
pull
Entries 81
Mean 128.9
Std Dev 67.66

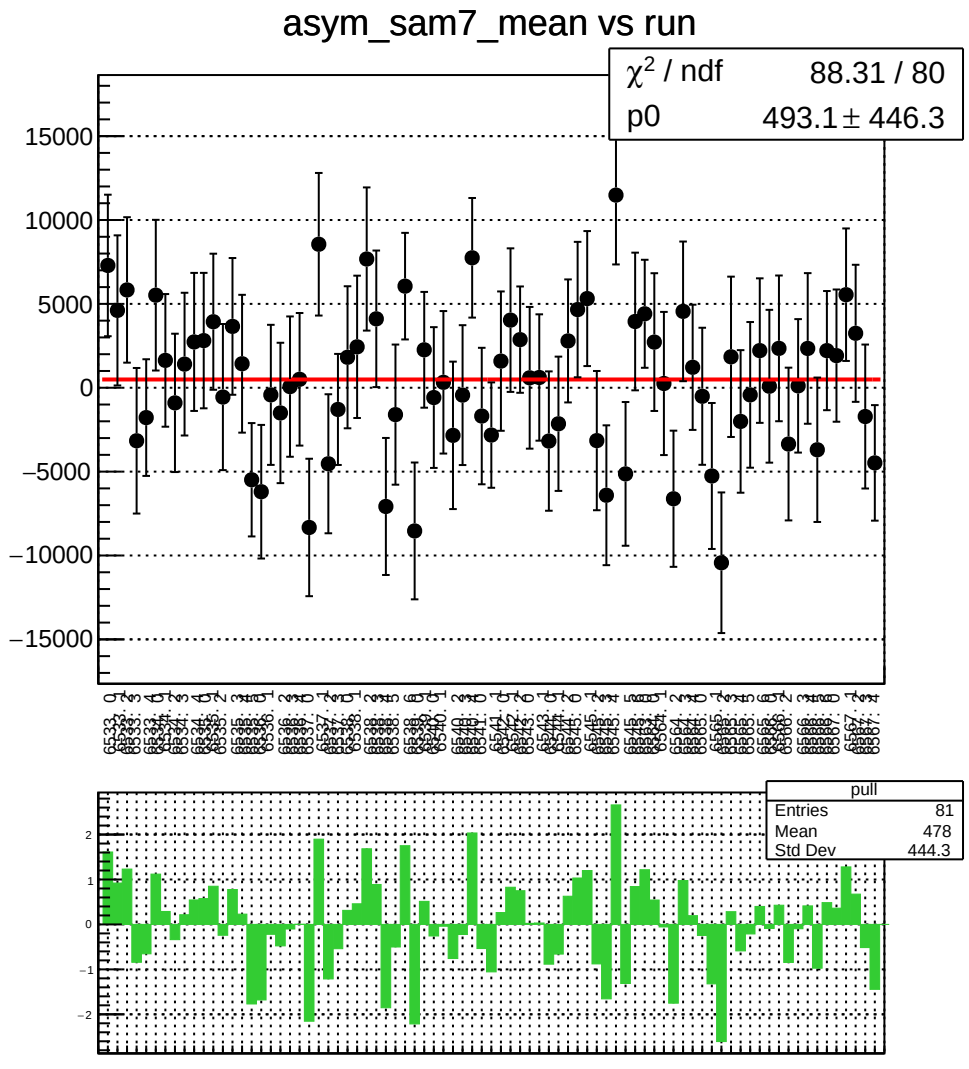

pull1D
Entries 81
Mean 0.01484
Std Dev 0.9596

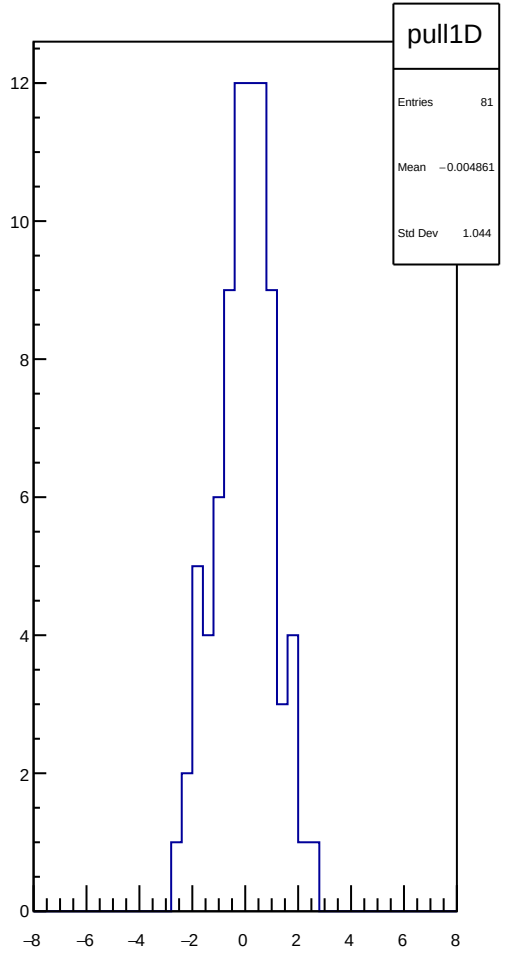

dit_asym_sam7_rms vs run
χ² / ndf 4912 / 80
p0 77.82 ± 0.06172
100
95
90
85
80
75

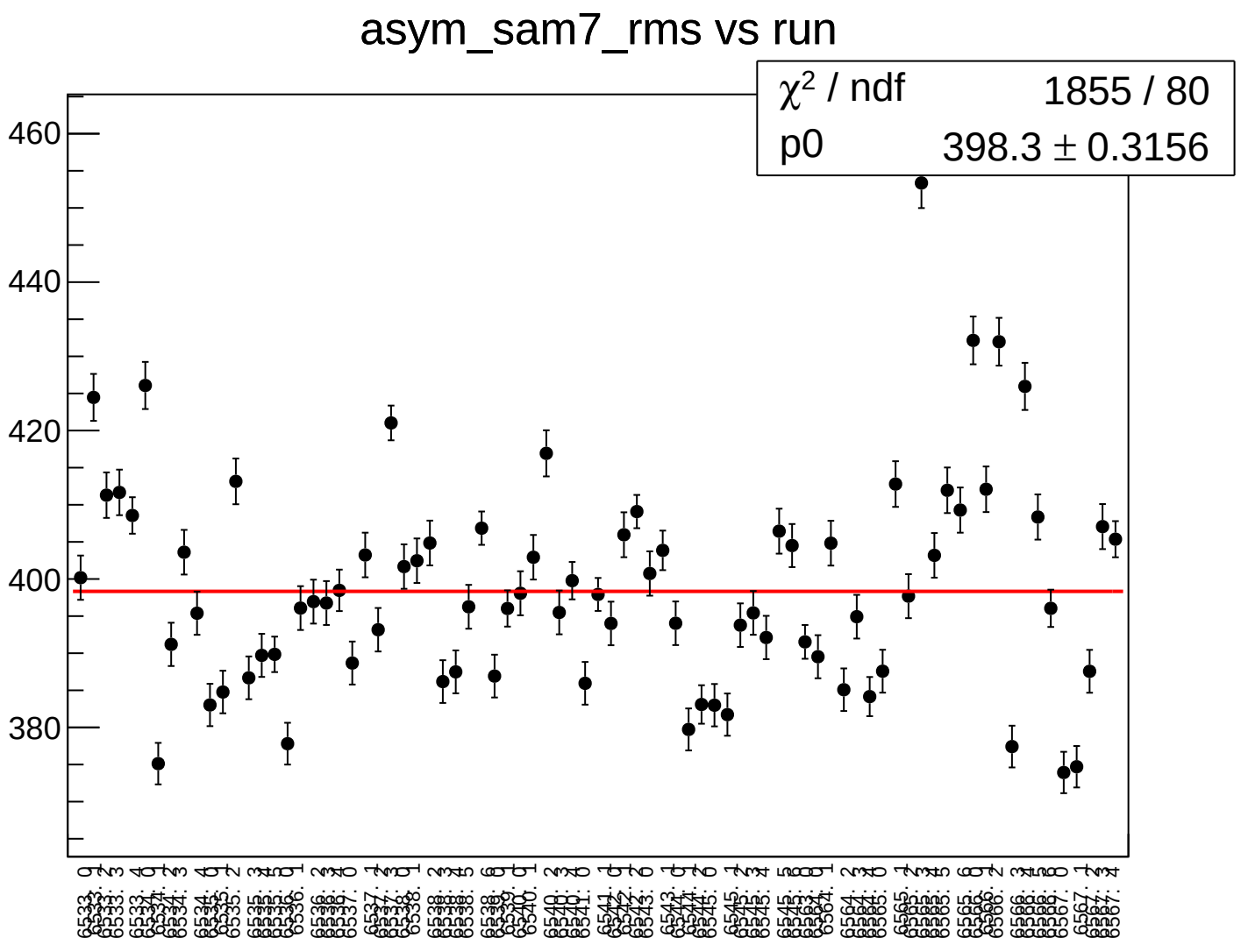

asym_sam7_correction_mean vs run
χ² / ndf 91.23 / 80
p0 −672 ± 443.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 448.2
Std Dev 411.8
3
2
1
0
−1
−2

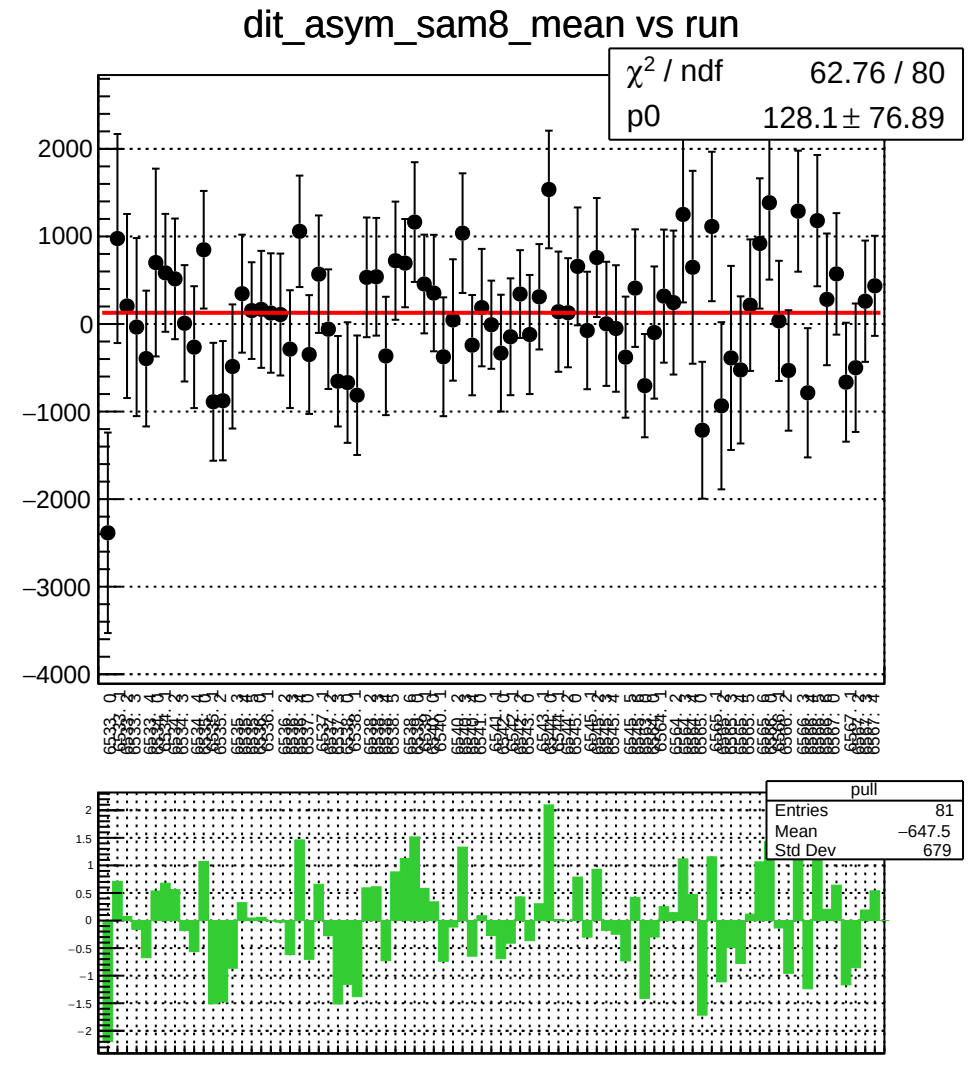

pull1D
Entries 81
Mean 0.006042
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

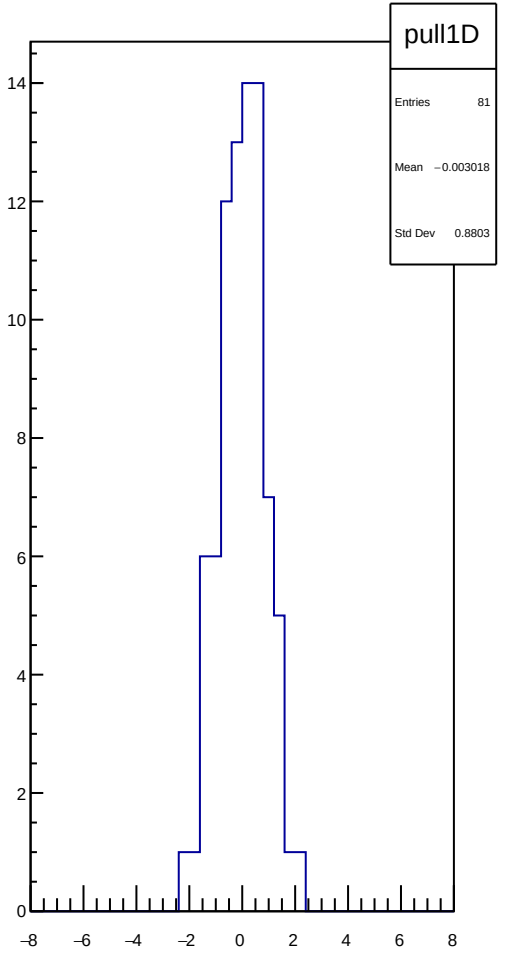

asym_sam7_correction_rms vs run
χ² / ndf 1587 / 80
p0 395.7 ± 0.3135
450
440
430
420
410
400
390
380
370

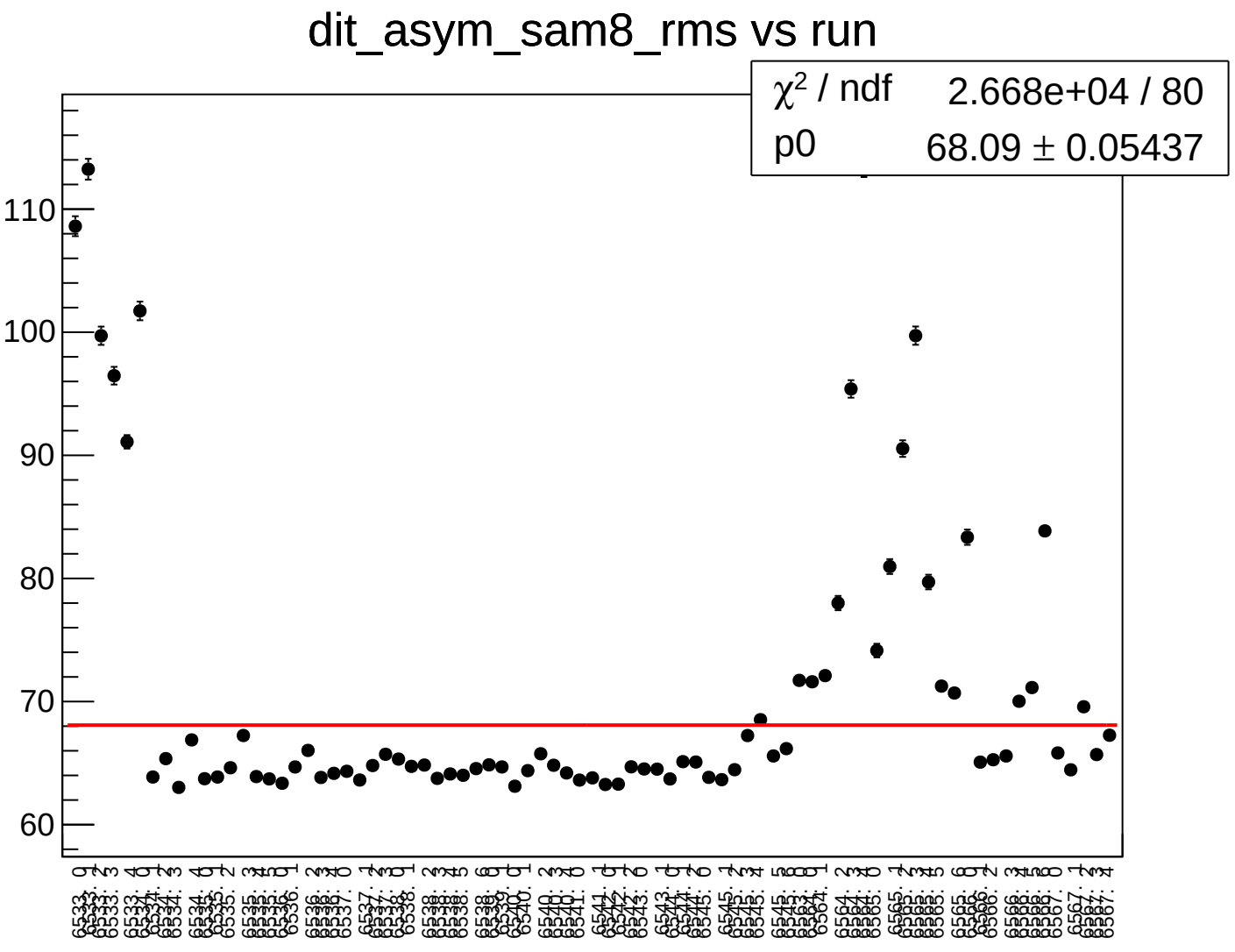

asym_sam7_mean vs run
χ² / ndf 88.31 / 80
p0 493.1 ± 446.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 478
Std Dev 444.3
2
1
0
−1
−2

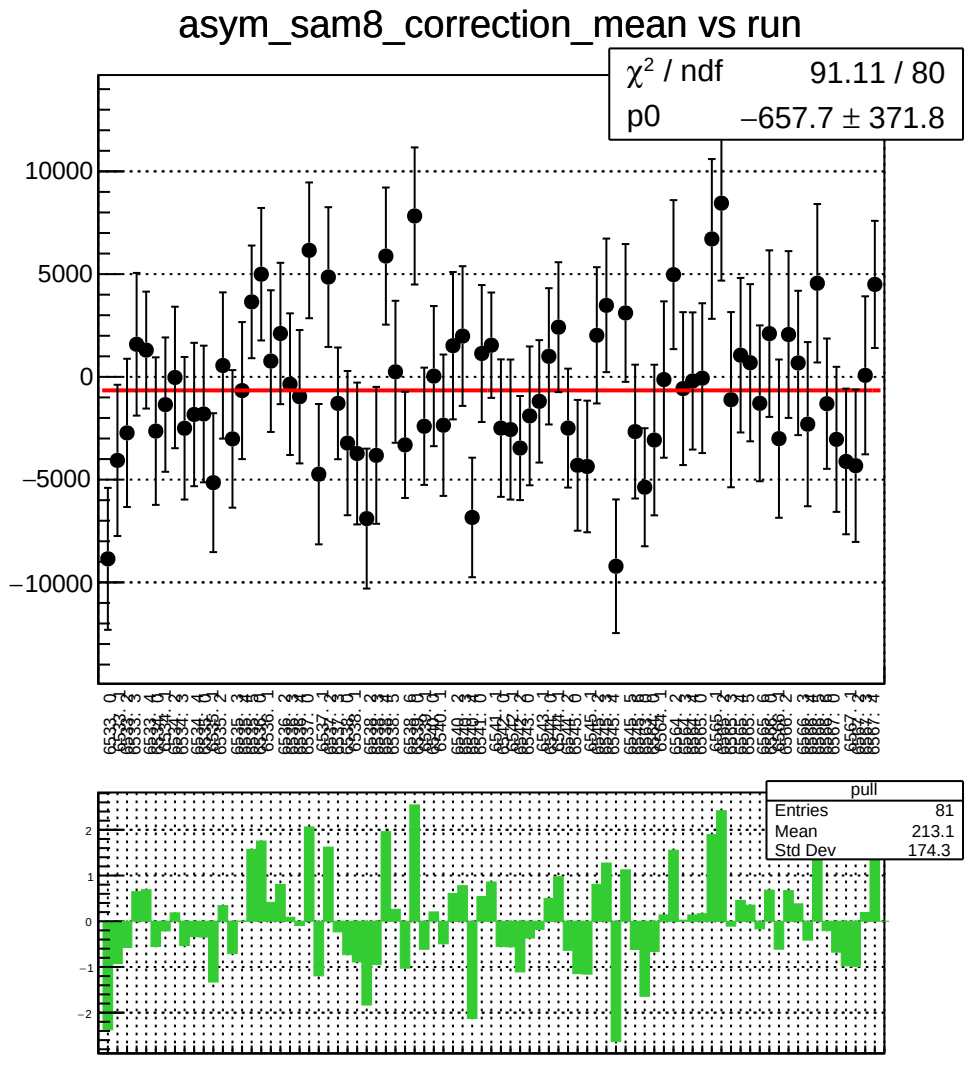

pull1D
Entries 81
Mean −0.004861
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

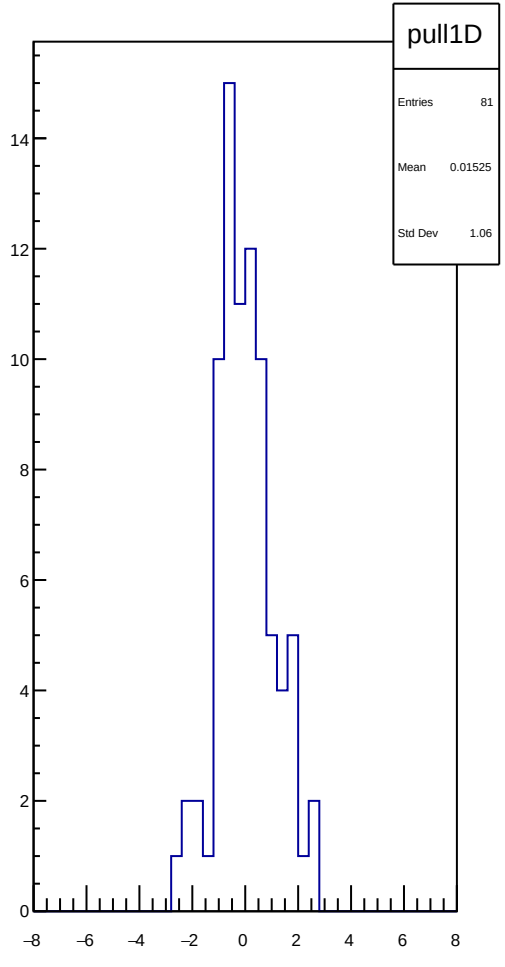

asym_sam7_rms vs run
χ² / ndf 1855 / 80
p0 398.3 ± 0.3156
460
440
420
400
380

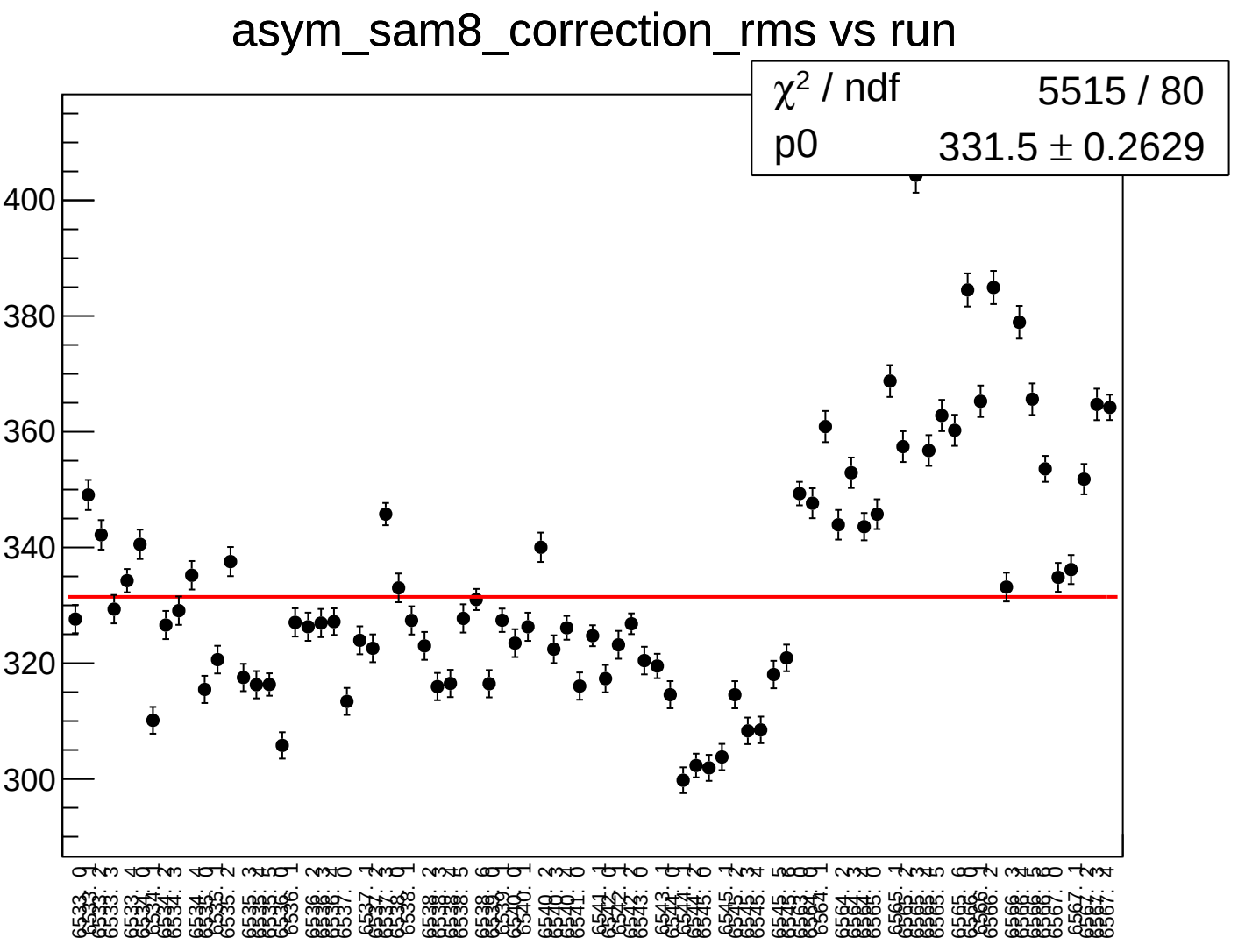

dit_asym_sam8_mean vs run
χ² / ndf 62.76 / 80
p0 128.1 ± 76.89
pull
Entries 81
Mean −647.5
Std Dev 679

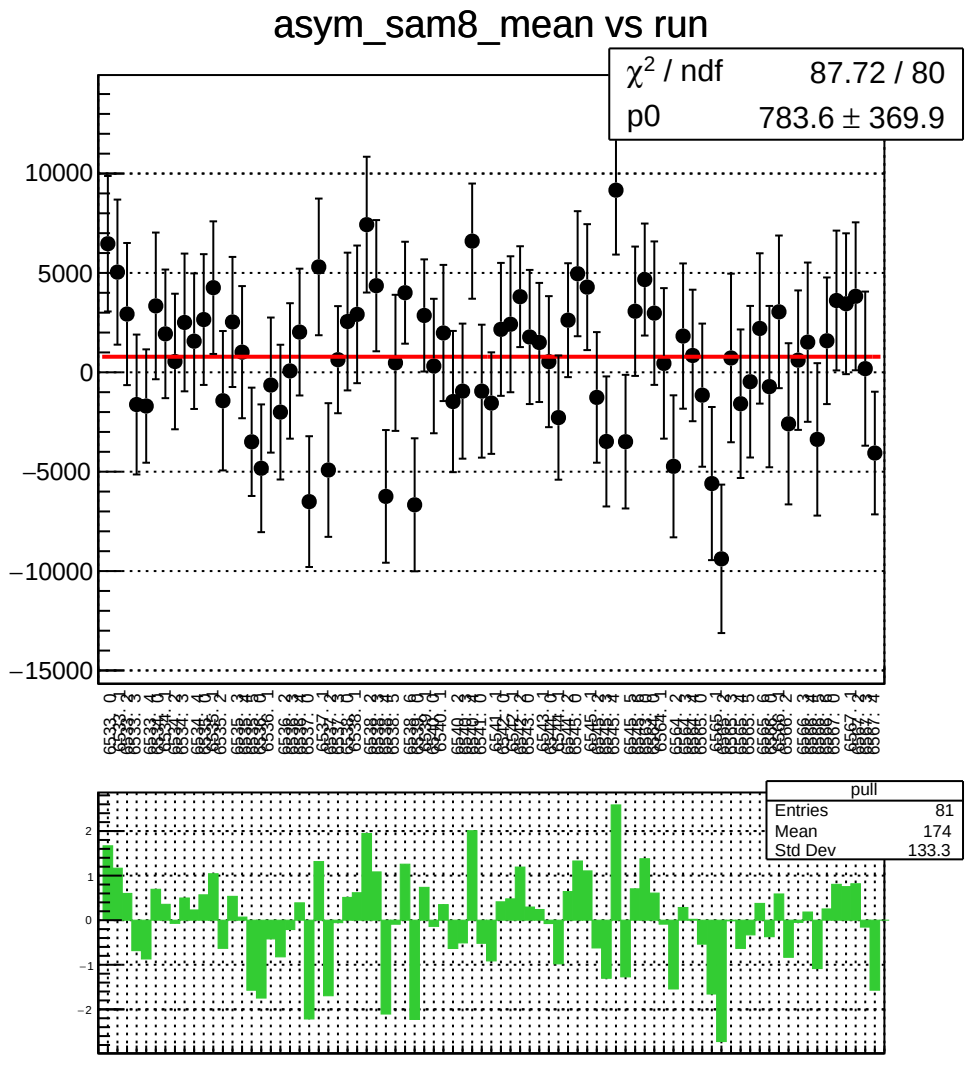

pull1D
Entries 81
Mean −0.003018
Std Dev 0.8803

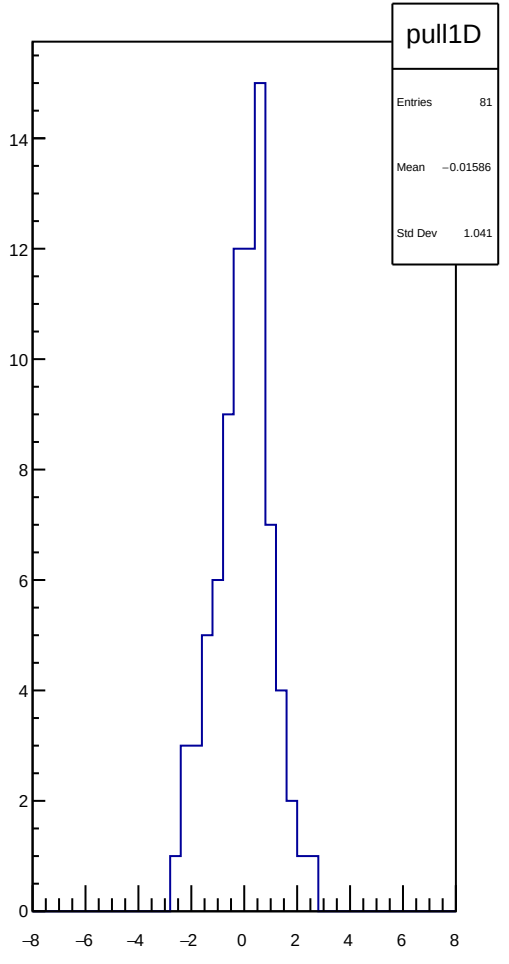

dit_asym_sam8_rms vs run
χ^2 / ndf 2.668e+04 / 80
p0 68.09 ± 0.05437
110
100
90
80
70
60

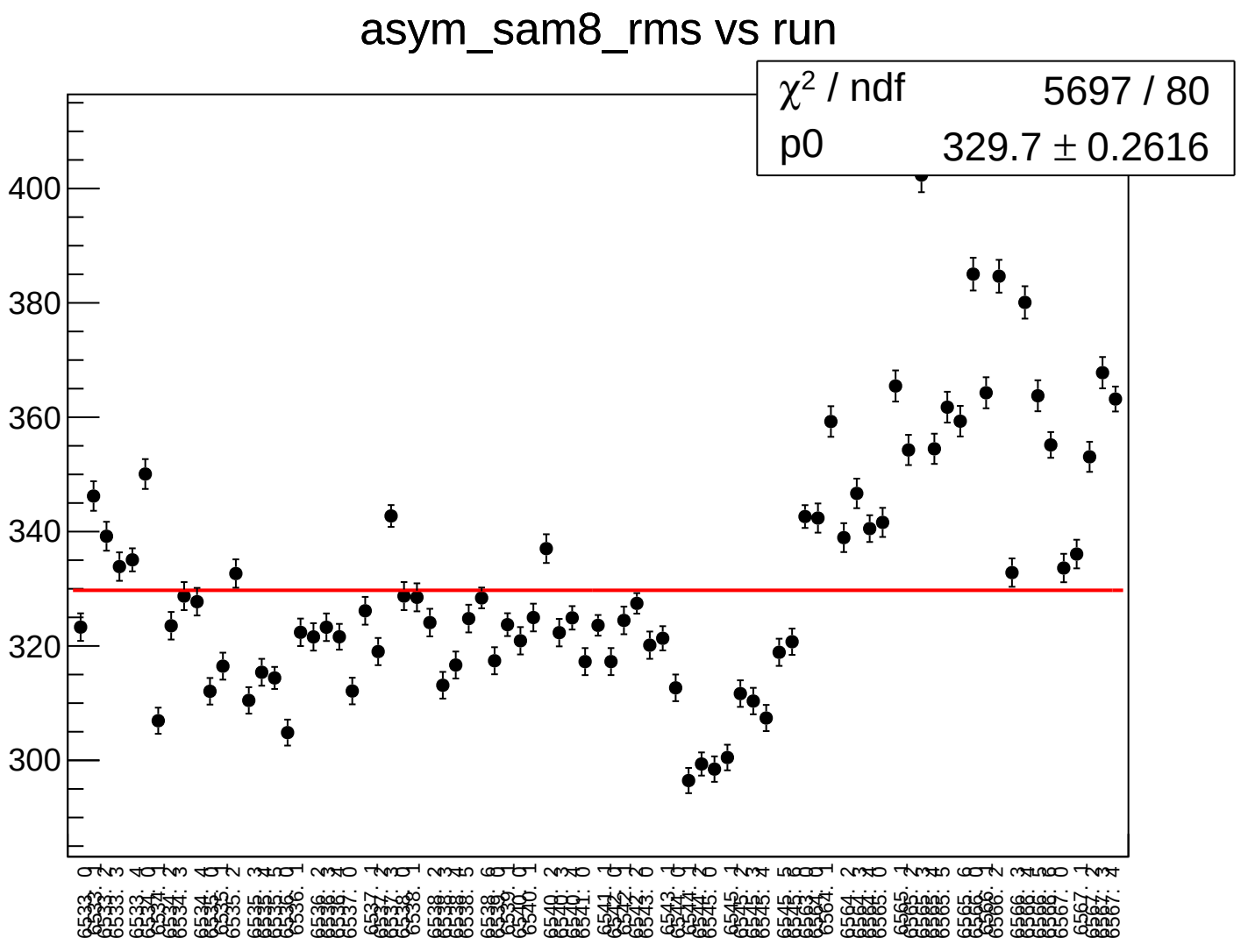

asym_sam8_correction_mean vs run
χ² / ndf 91.11 / 80
p0 −657.7 ± 371.8
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 213.1
Std Dev 174.3
2
1
0
−1
−2

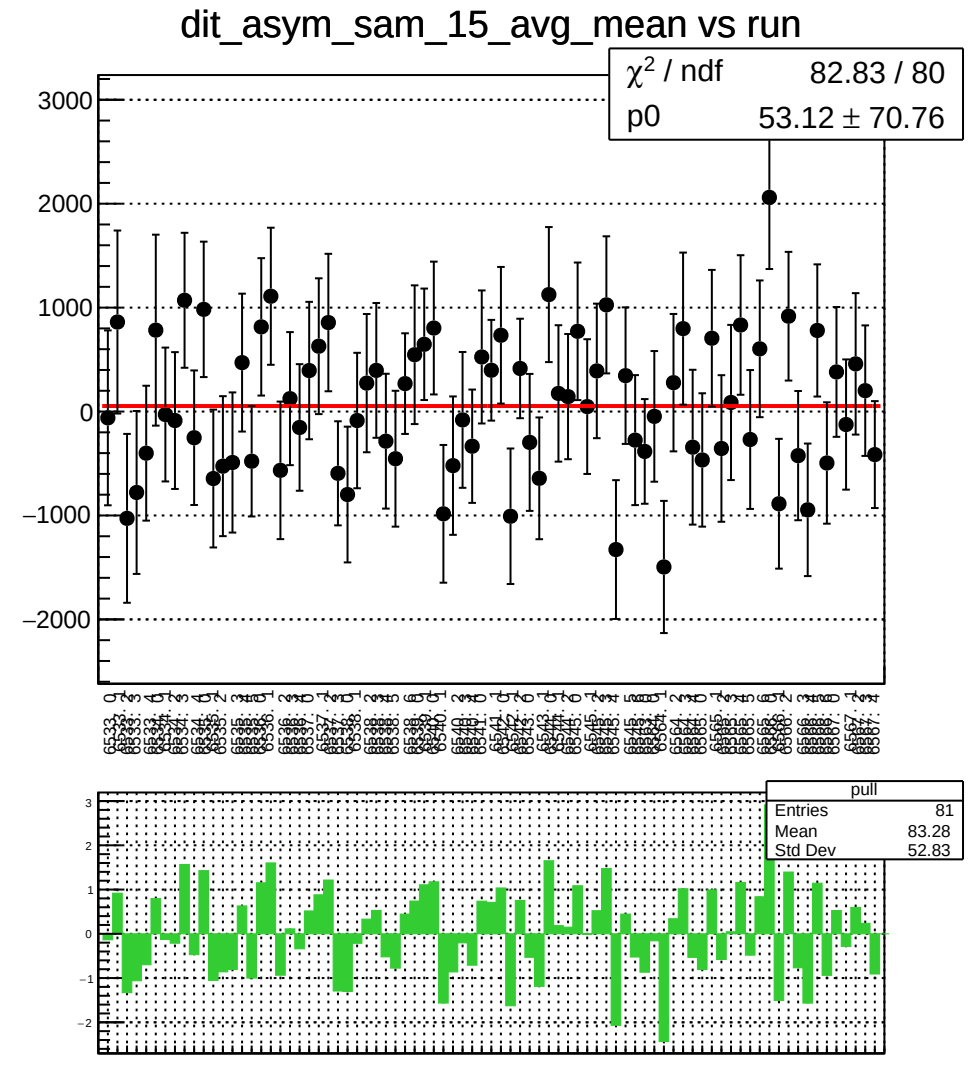

pull1D
Entries 81
Mean 0.01525
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

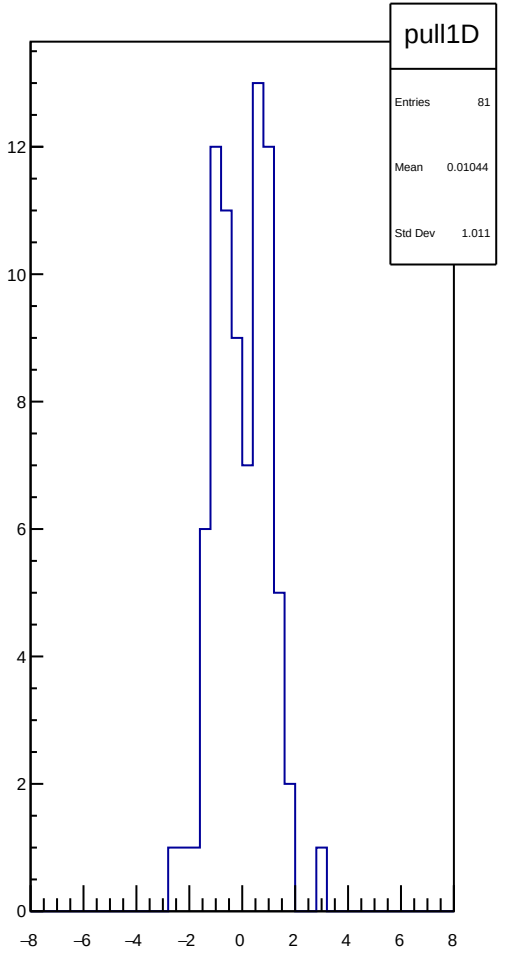

asym_sam8_correction_rms vs run
χ² / ndf 5515 / 80
p0 331.5 ± 0.2629
400
380
360
340
320
300

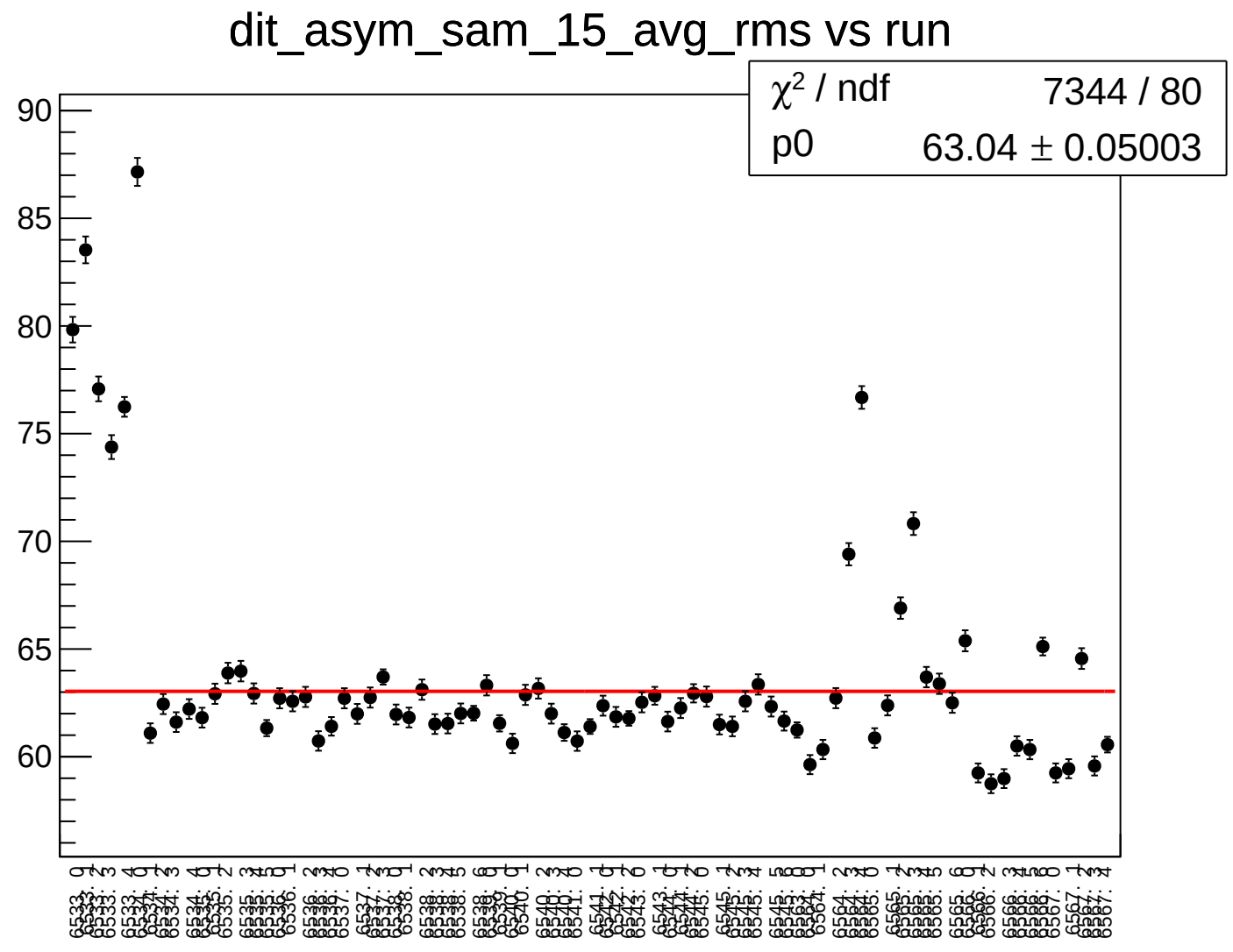

asym_sam8_mean vs run
χ² / ndf 87.72 / 80
p0 783.6 ± 369.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 174
Std Dev 133.3
2
1
0
−1
−2

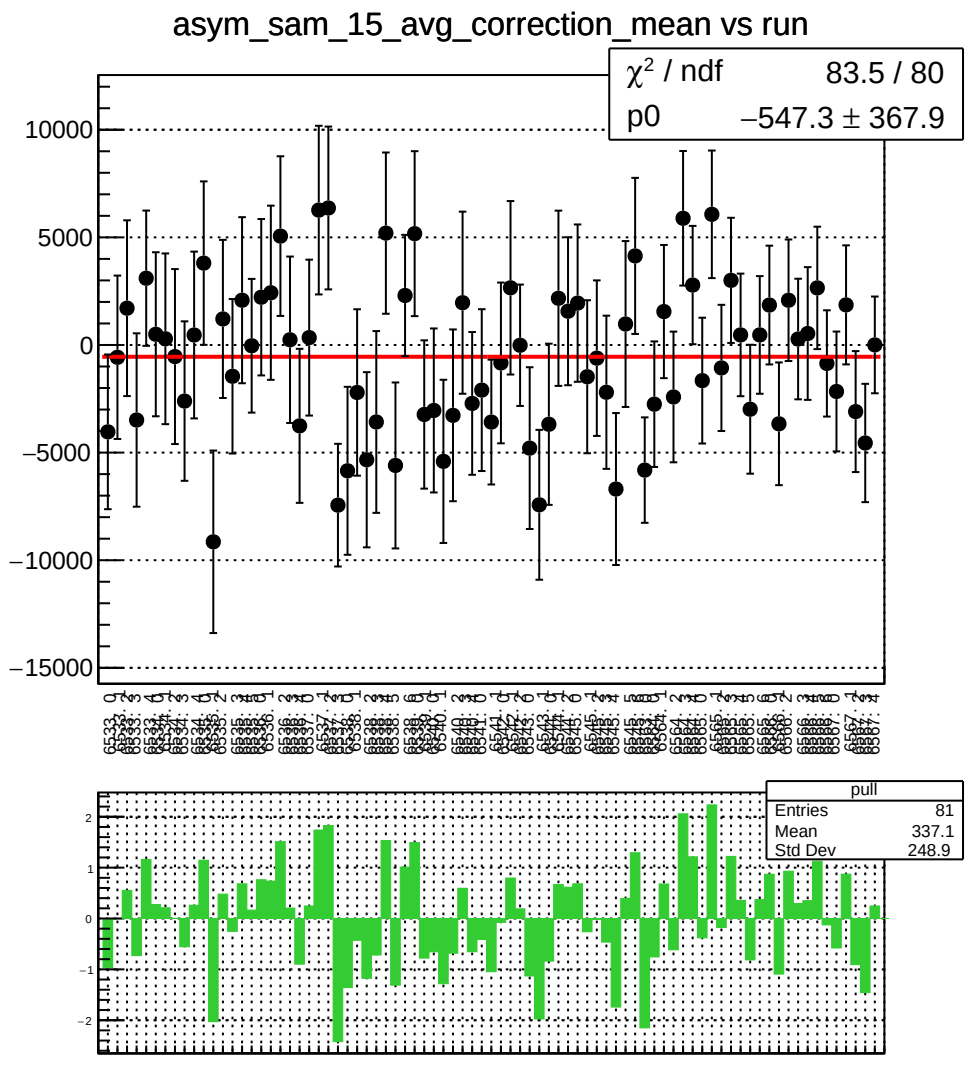

pull1D
Entries 81
Mean −0.01586
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

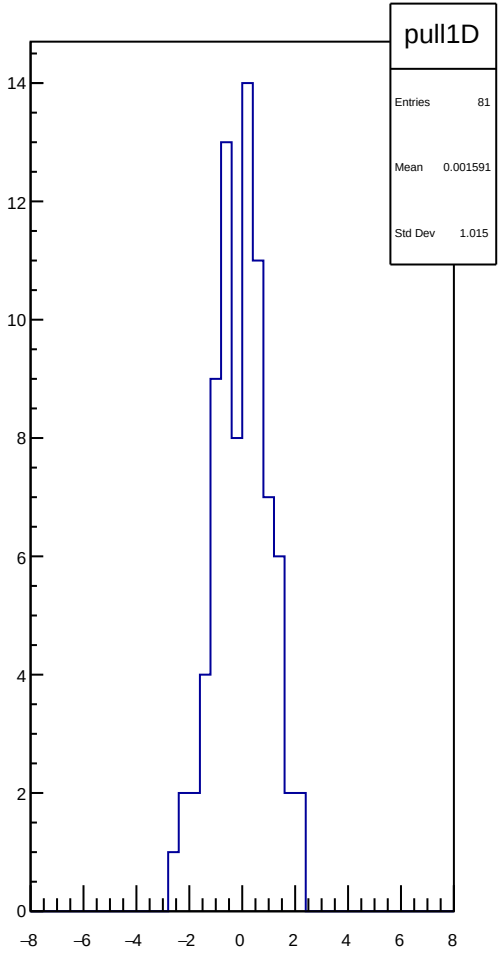

asym_sam8_rms vs run
χ² / ndf 5697 / 80
p0 329.7 ± 0.2616
400
380
360
340
320
300

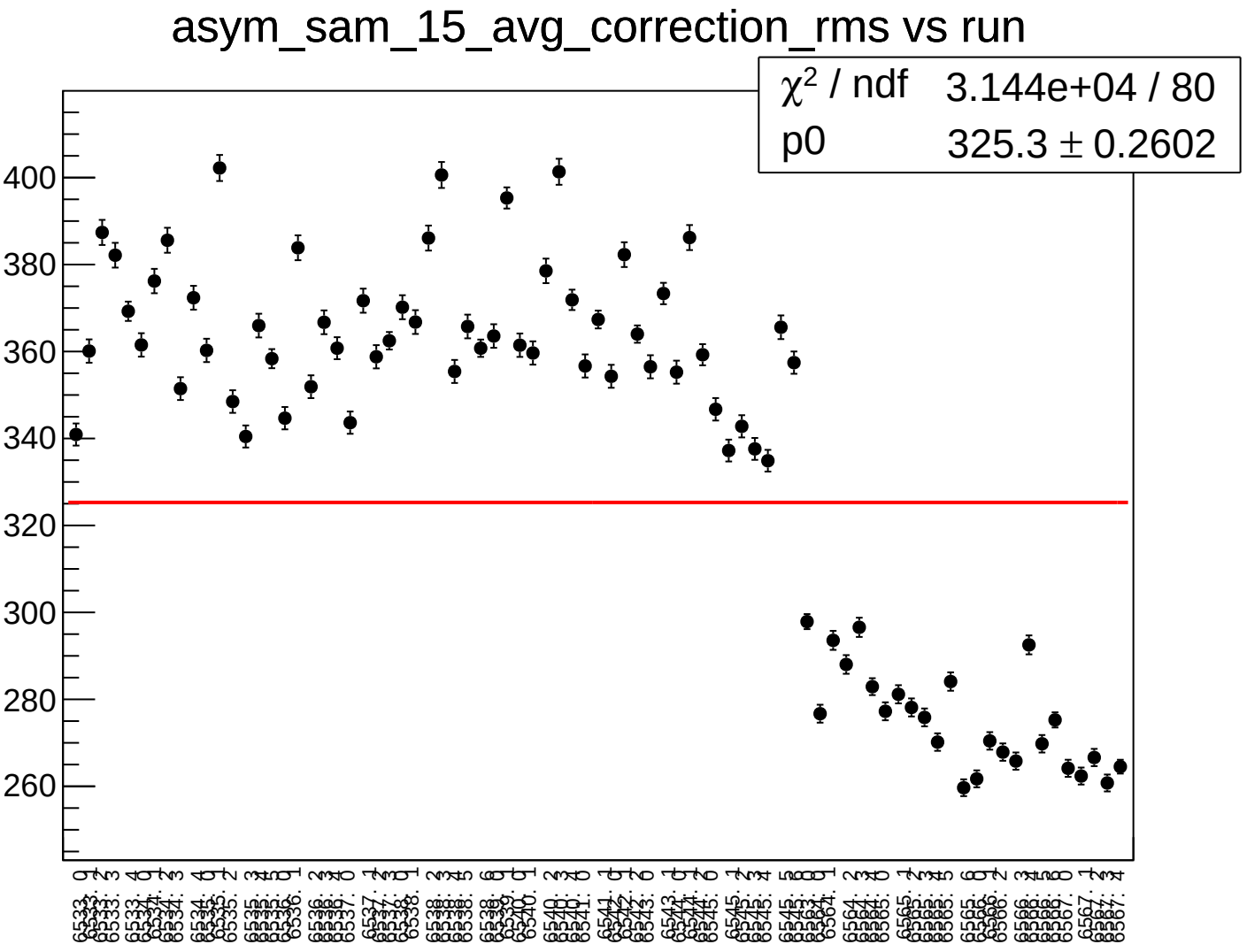

dit_asym_sam_15_avg_mean vs run
χ² / ndf 82.83 / 80
p0 53.12 ± 70.76
3000
2000
1000
0
−1000
−2000
pull
Entries 81
Mean 83.28
Std Dev 52.83
3
2
1
0
−1
−2

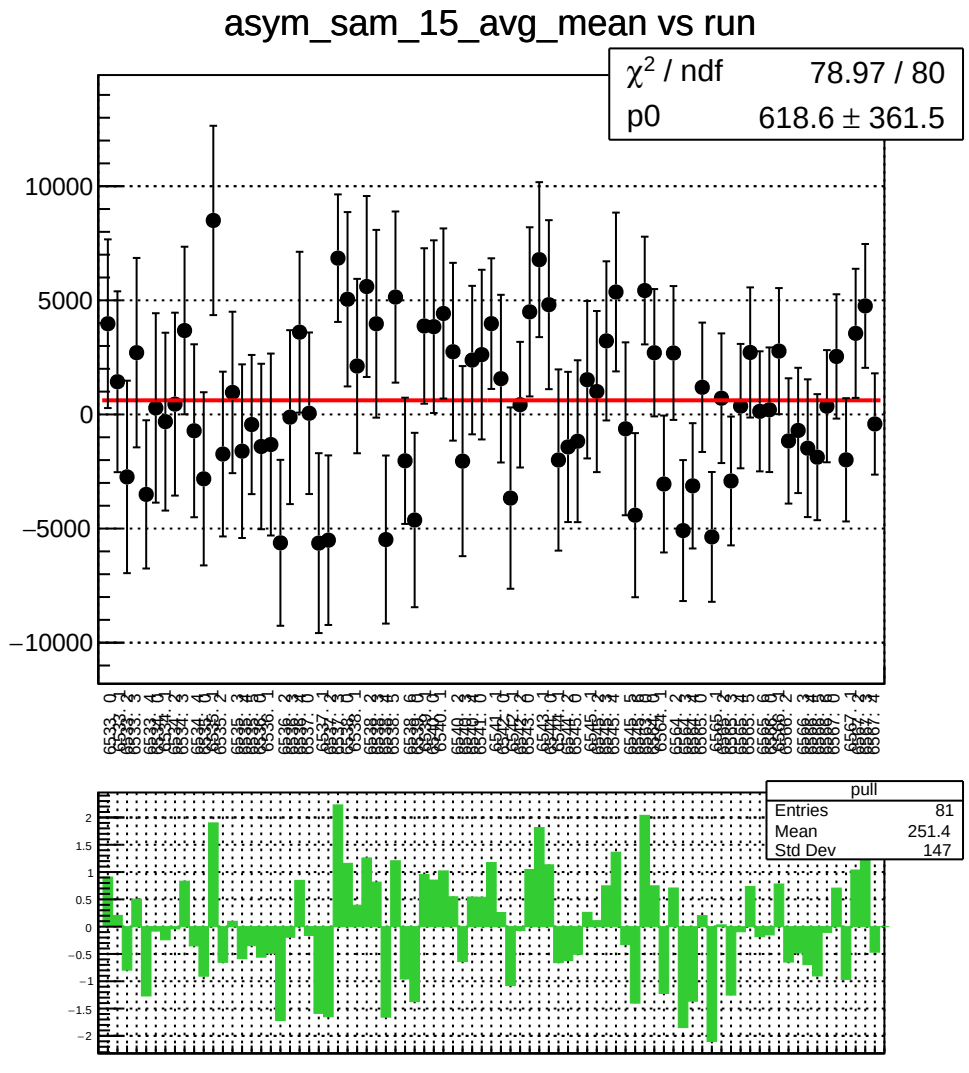

pull1D
Entries 81
Mean 0.01044
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

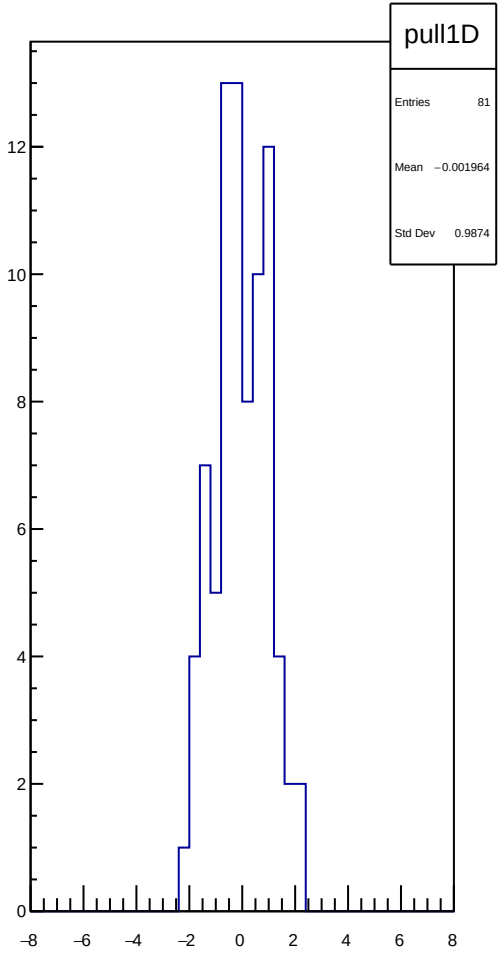

dit_asym_sam_15_avg_rms vs run
χ² / ndf 7344 / 80
p0 63.04 ± 0.05003
90
85
80
75
70
65
60

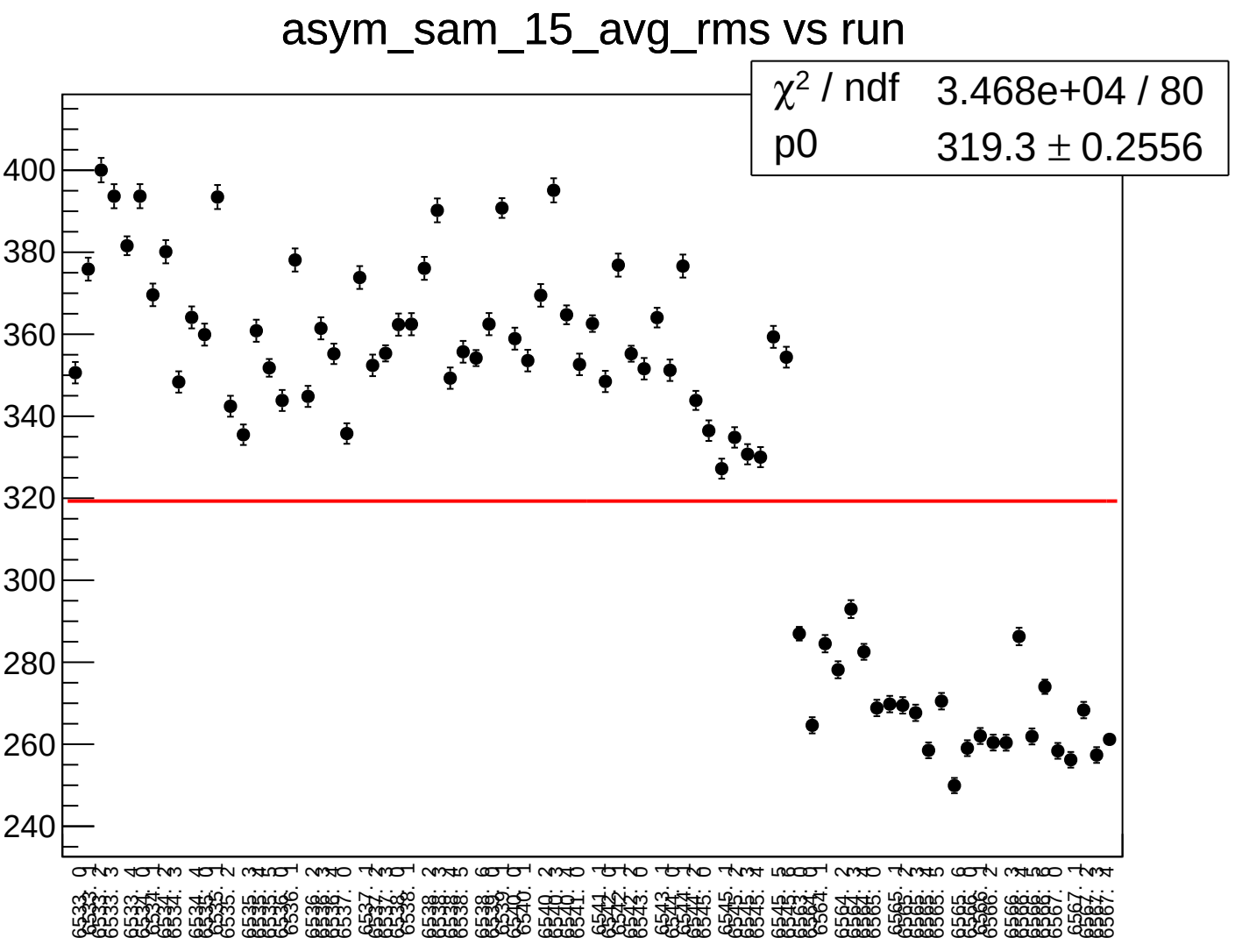

asym_sam_15_avg_correction_mean vs run
χ² / ndf 83.5 / 80
p0 −547.3 ± 367.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 337.1
Std Dev 248.9
2
1
0
−1
−2

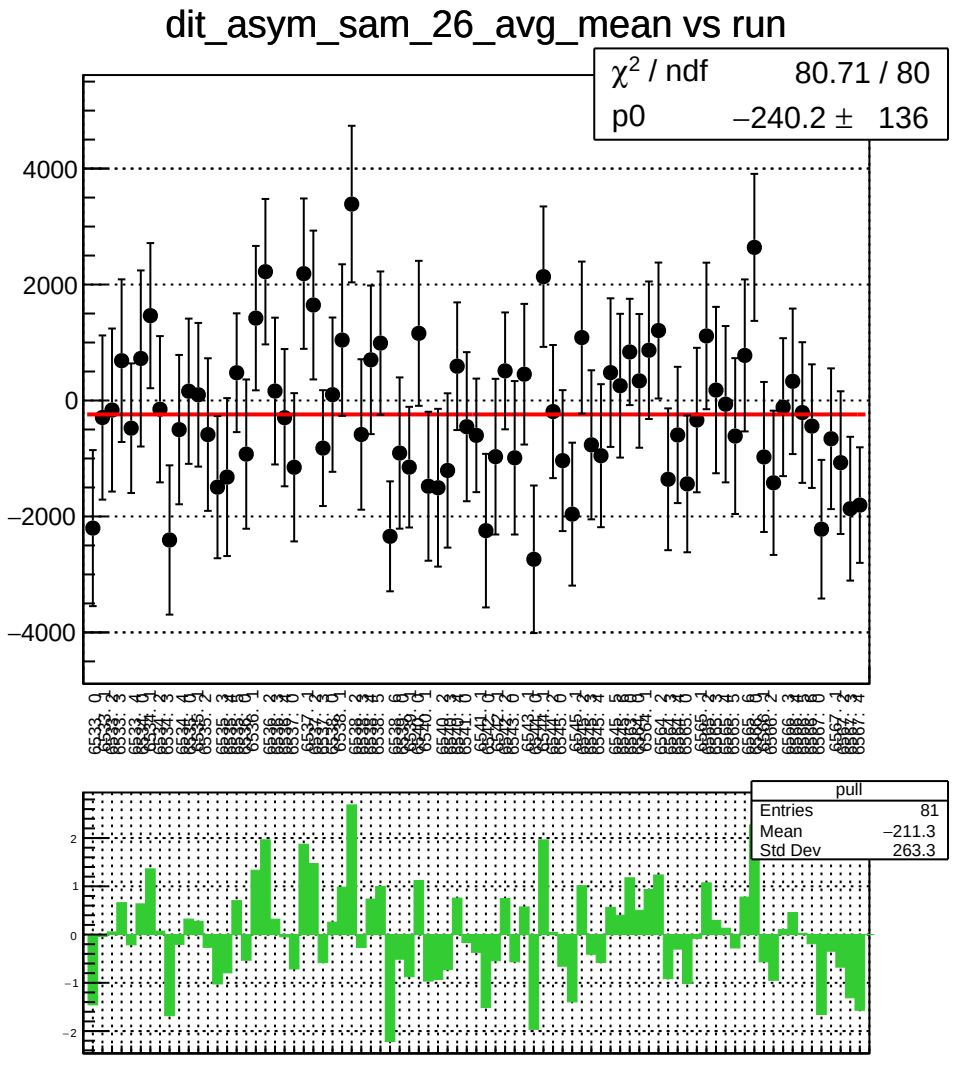

pull1D
Entries 81
Mean 0.001591
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

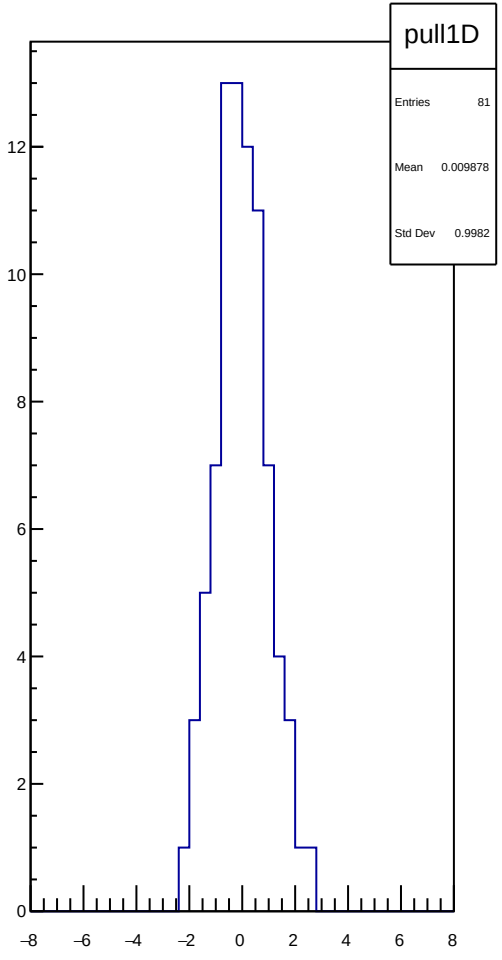

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3.144e+04 / 80
p0 325.3 ± 0.2602
400
380
360
340
320
300
280
260

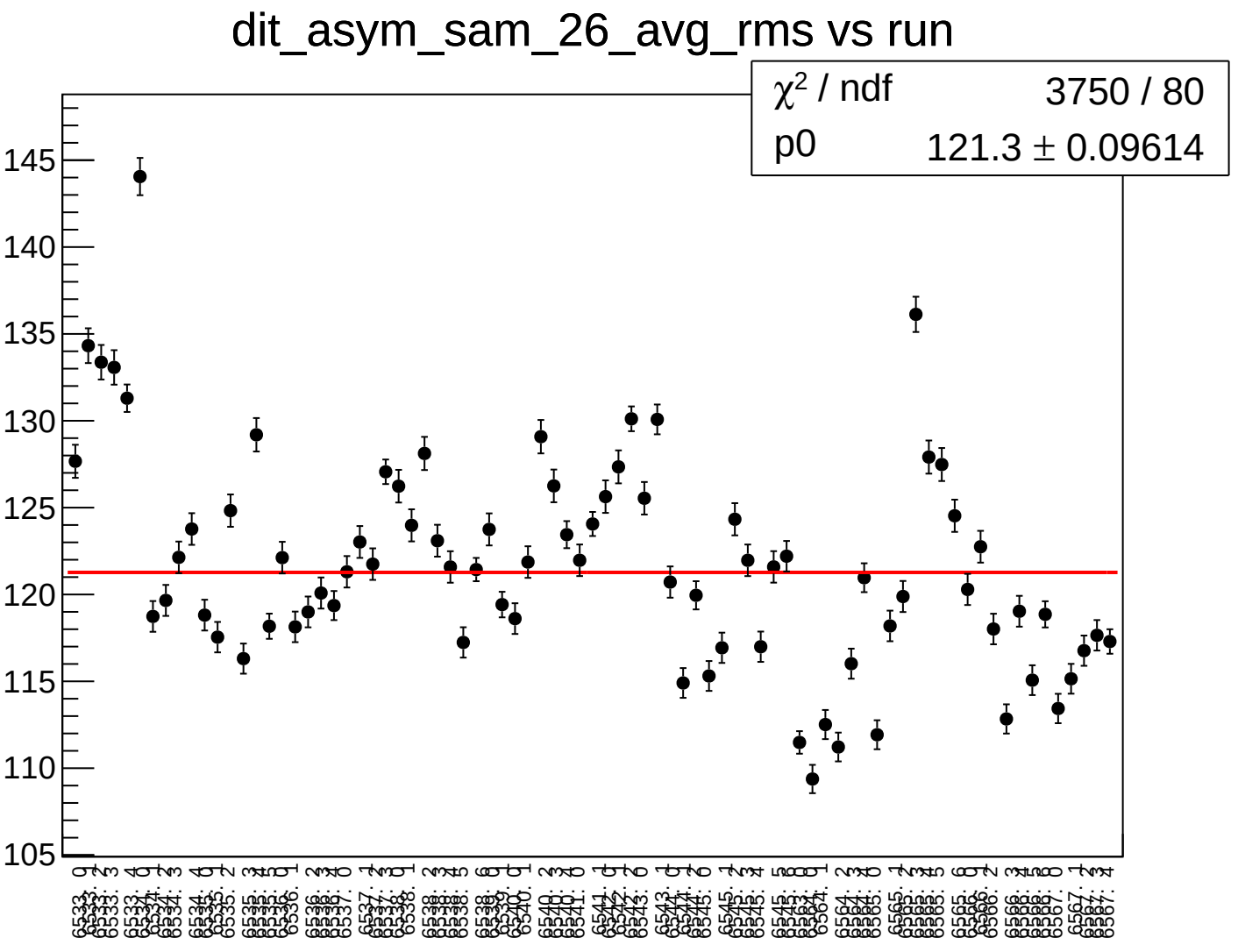

asym_sam_15_avg_mean vs run
χ² / ndf 78.97 / 80
p0 618.6 ± 361.5
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 251.4
Std Dev 147
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

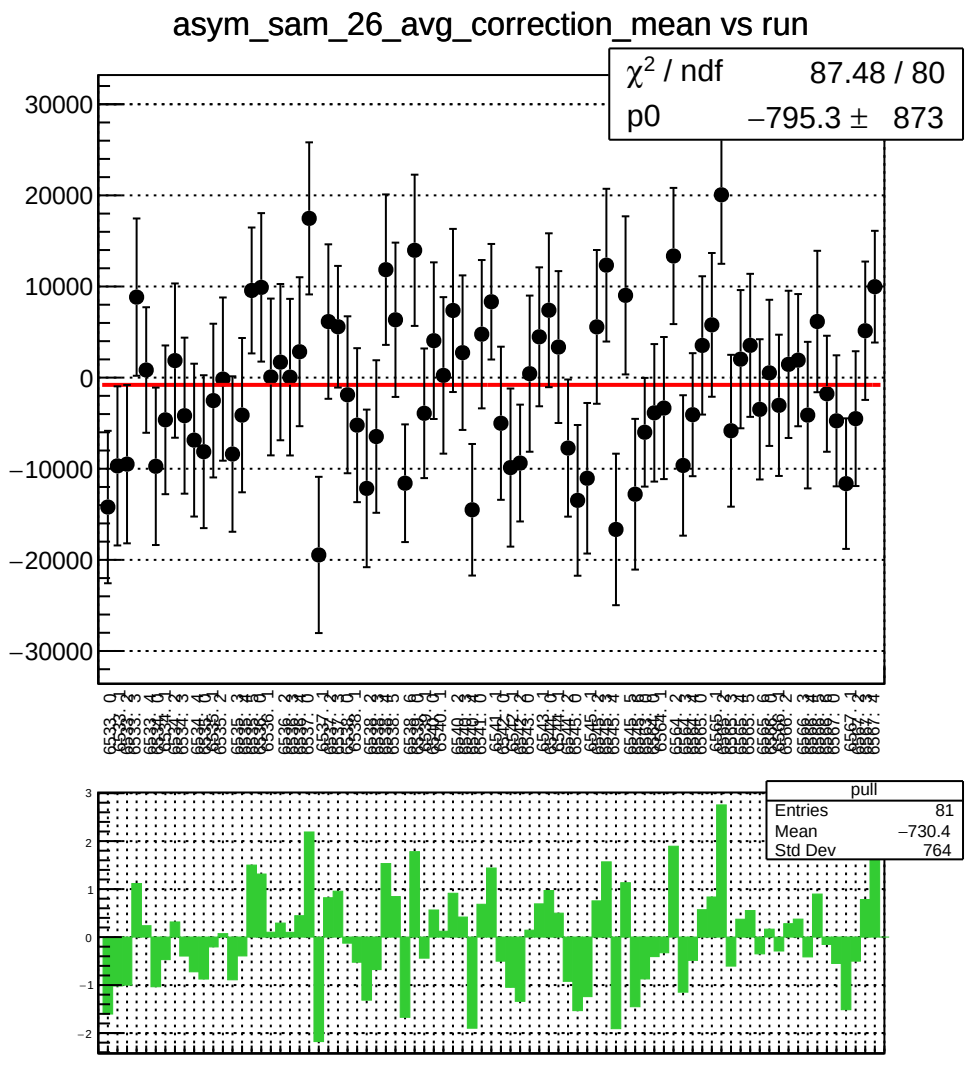

pull1D
Entries 81
Mean −0.001964
Std Dev 0.9874
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

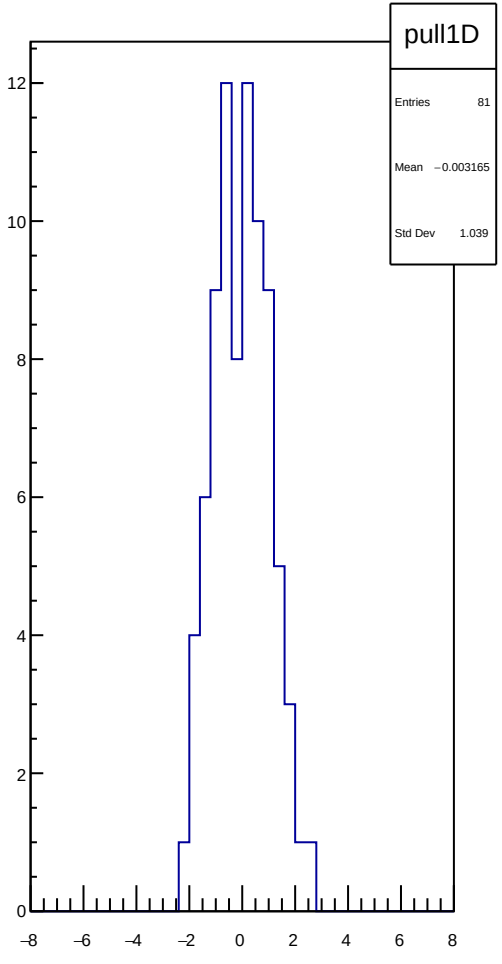

asym_sam_15_avg_rms vs run
χ² / ndf 3.468e+04 / 80
p0 319.3 ± 0.2556
400
380
360
340
320
300
280
260
240

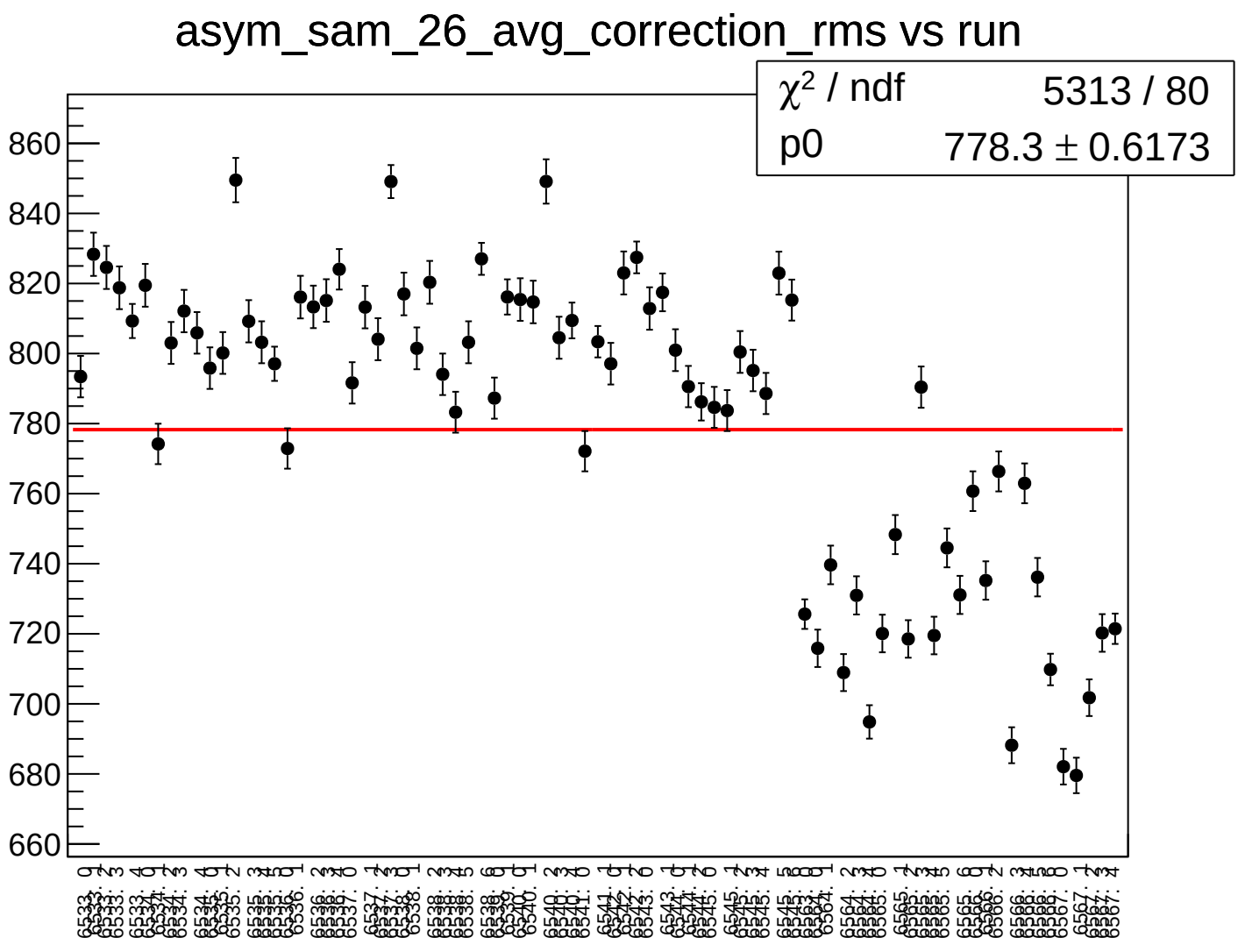

dit_asym_sam_26_avg_mean vs run
χ² / ndf 80.71 / 80
p0 −240.2 ± 136
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −211.3
Std Dev 263.3
2
1
0
−1
−2

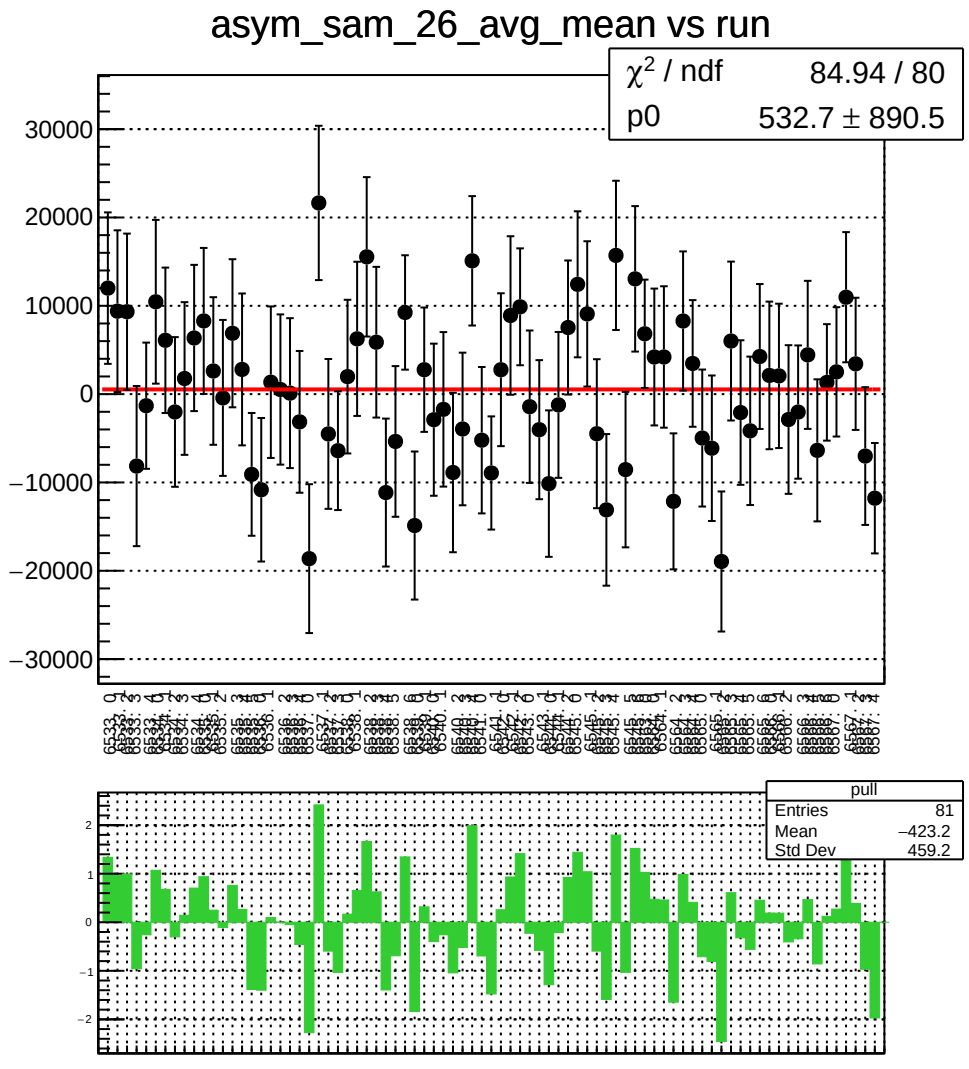

pull1D
Entries 81
Mean 0.009878
Std Dev 0.9982
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

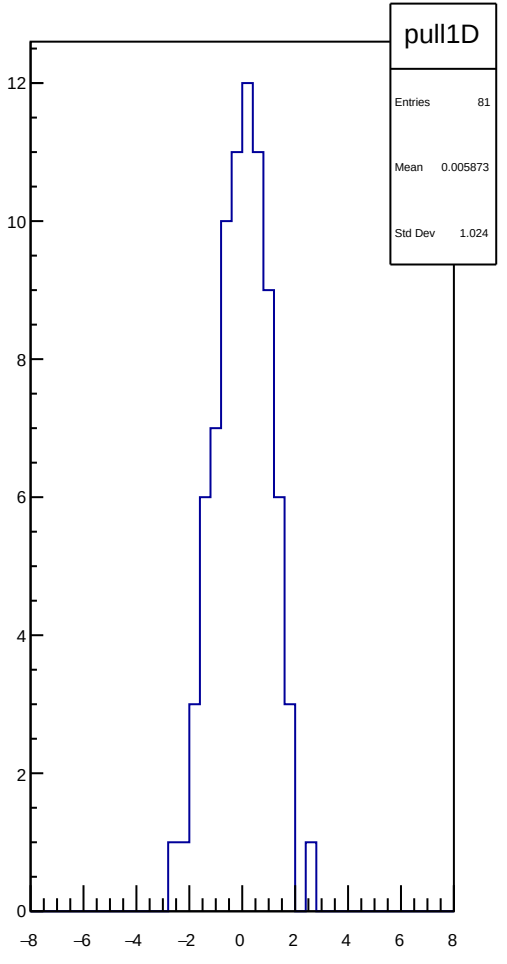

dit_asym_sam_26_avg_rms vs run
χ² / ndf 3750 / 80
p0 121.3 ± 0.09614
145
140
135
130
125
120
115
110
105

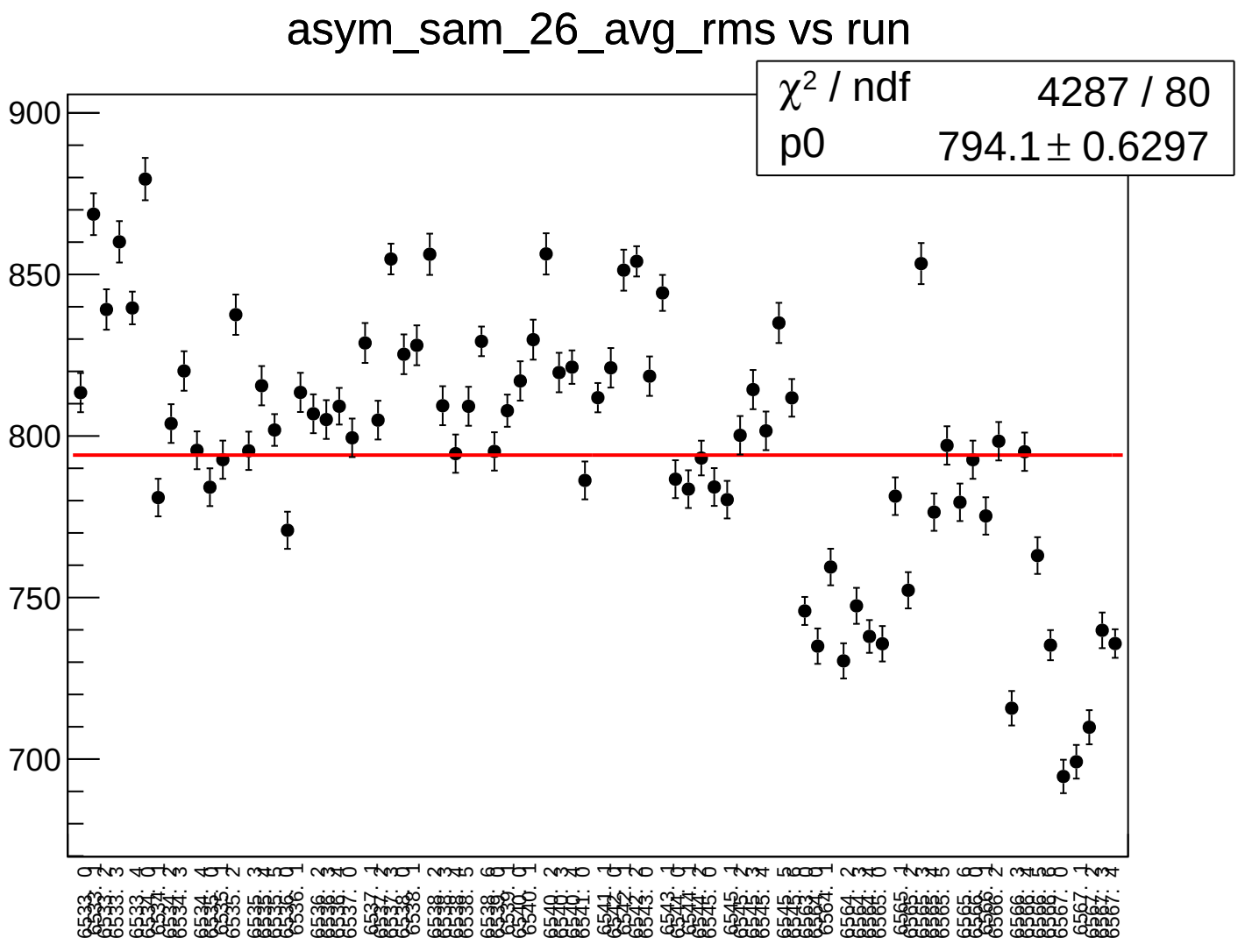

asym_sam_26_avg_correction_mean vs run
χ² / ndf 87.48 / 80
p0 −795.3 ± 873
pull
Entries 81
Mean −730.4
Std Dev 764

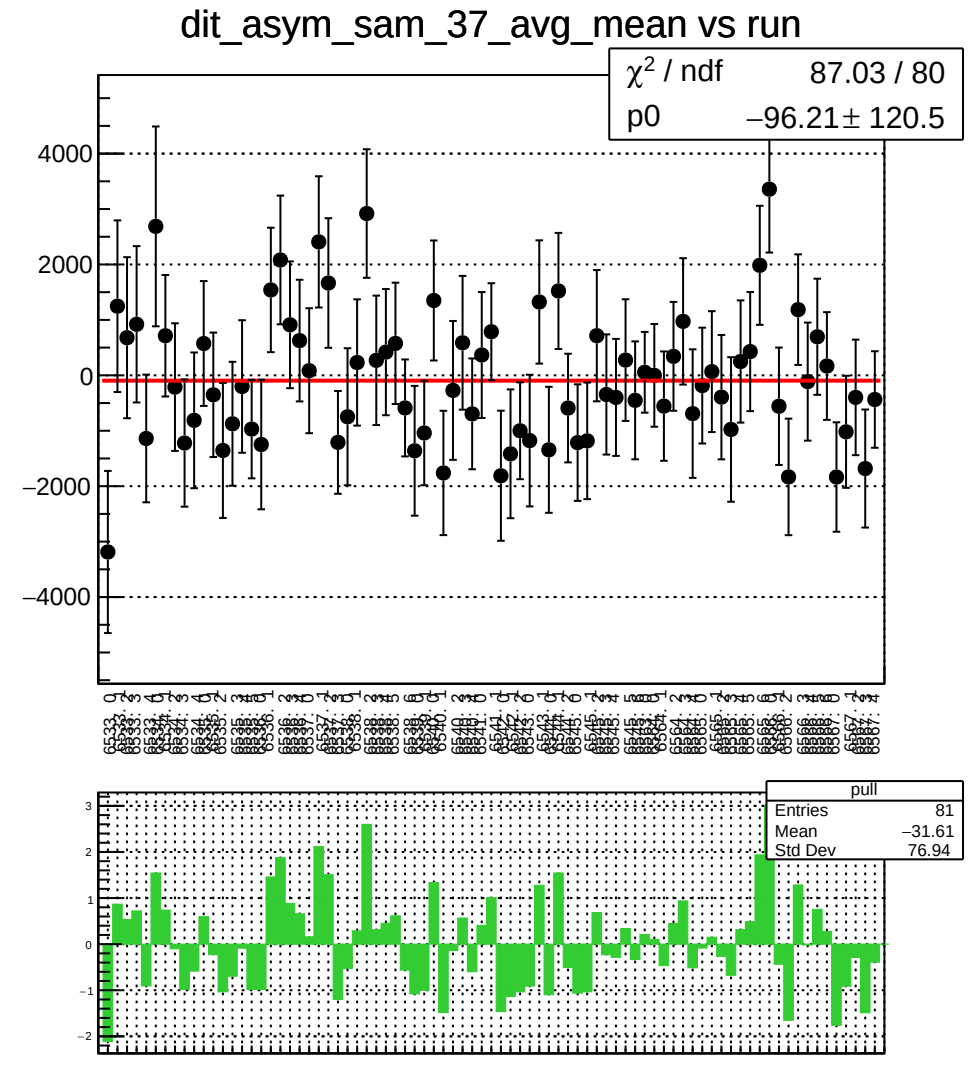

pull1D
Entries 81
Mean −0.003165
Std Dev 1.039

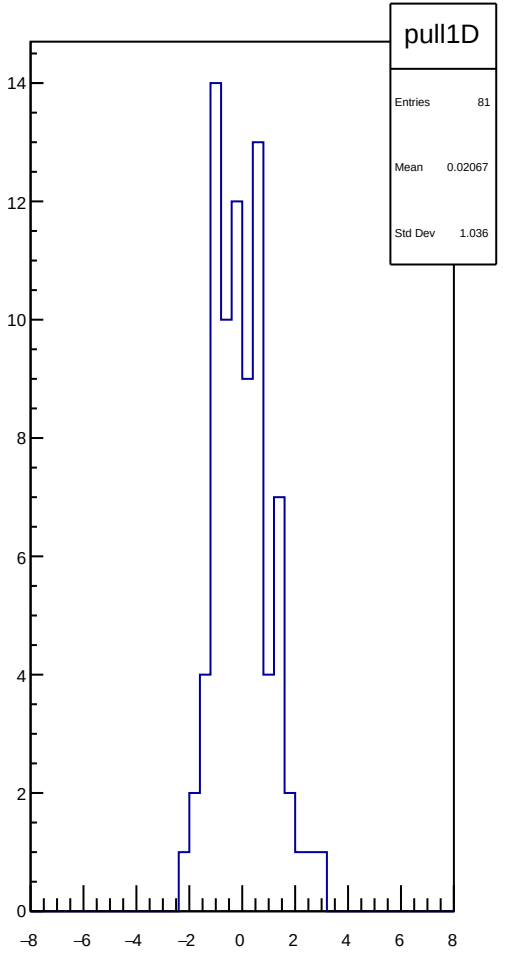

asym_sam_26_avg_correction_rms vs run
χ² / ndf 5313 / 80
p0 778.3 ± 0.6173
860
840
820
800
780
760
740
720
700
680
660

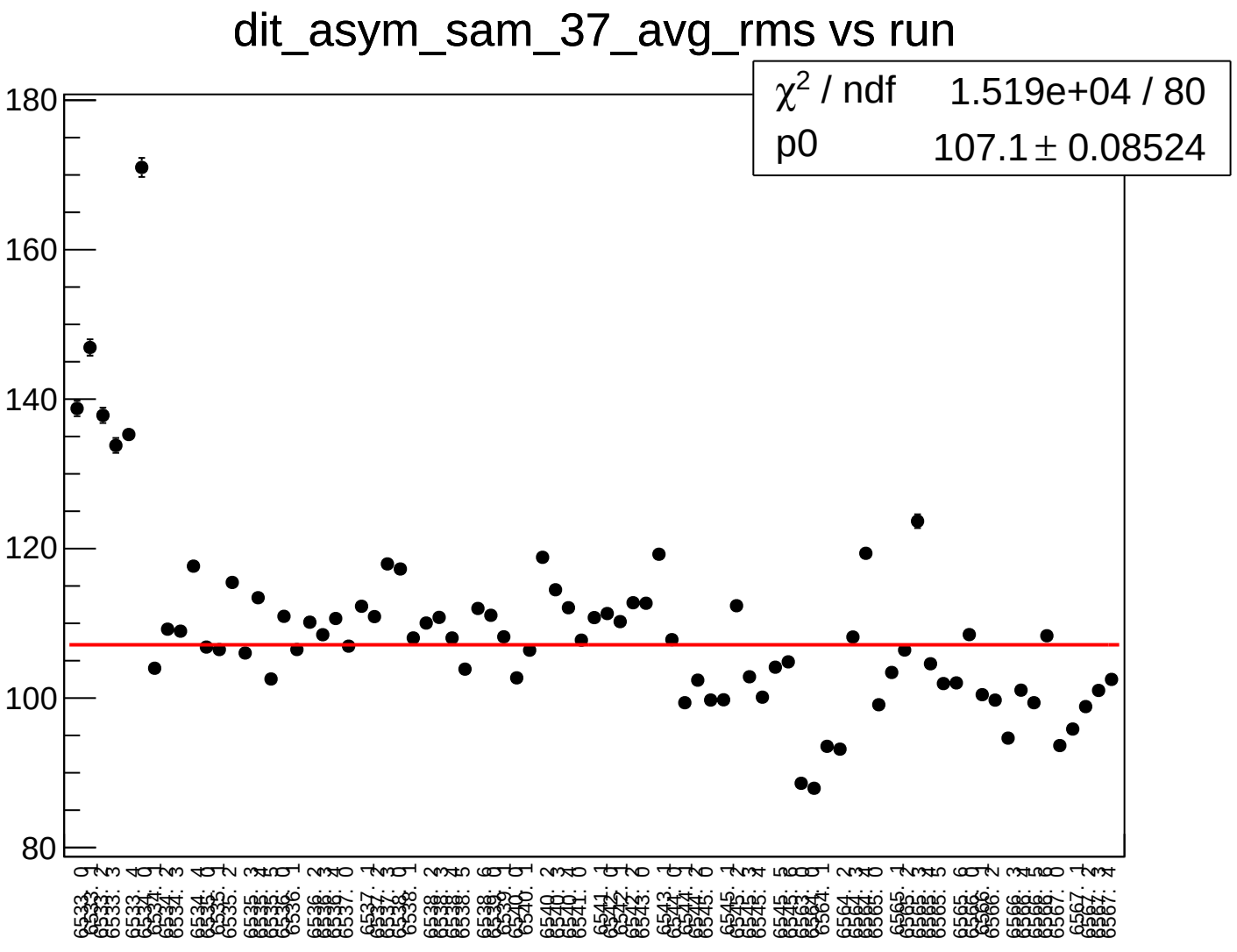

asym_sam_26_avg_mean vs run
χ² / ndf 84.94 / 80
p0 532.7 ± 890.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −423.2
Std Dev 459.2
2
1
0
−1
−2

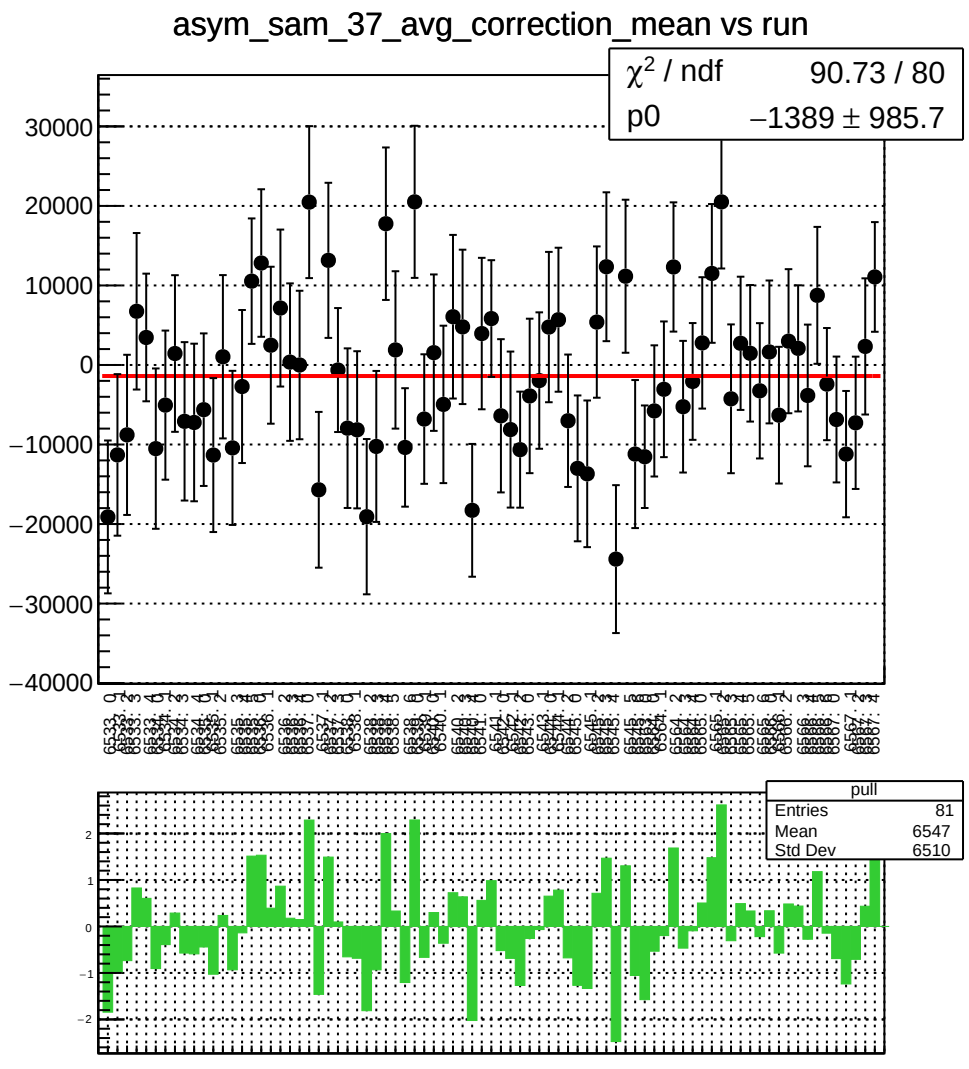

pull1D
Entries 81
Mean 0.005873
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

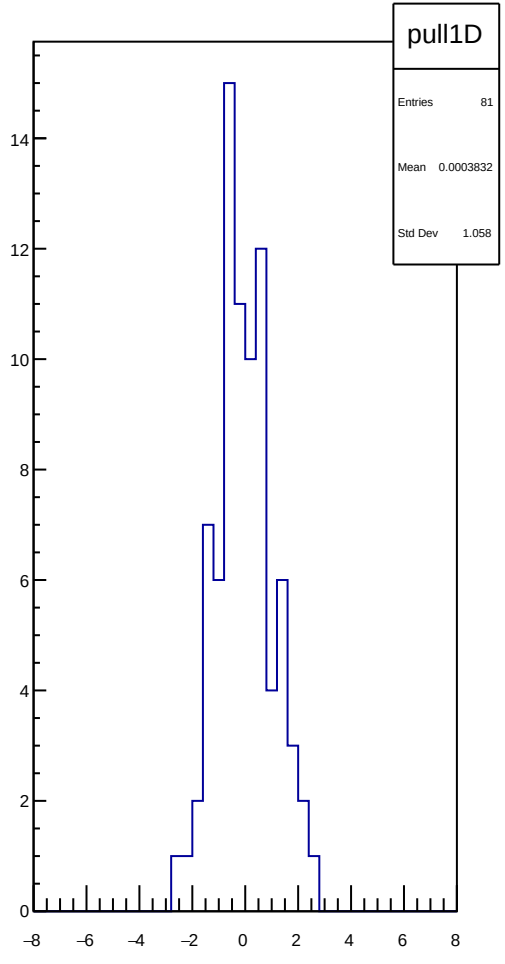

asym_sam_26_avg_rms vs run
χ² / ndf 4287 / 80
p0 794.1 ± 0.6297
900
850
800
750
700

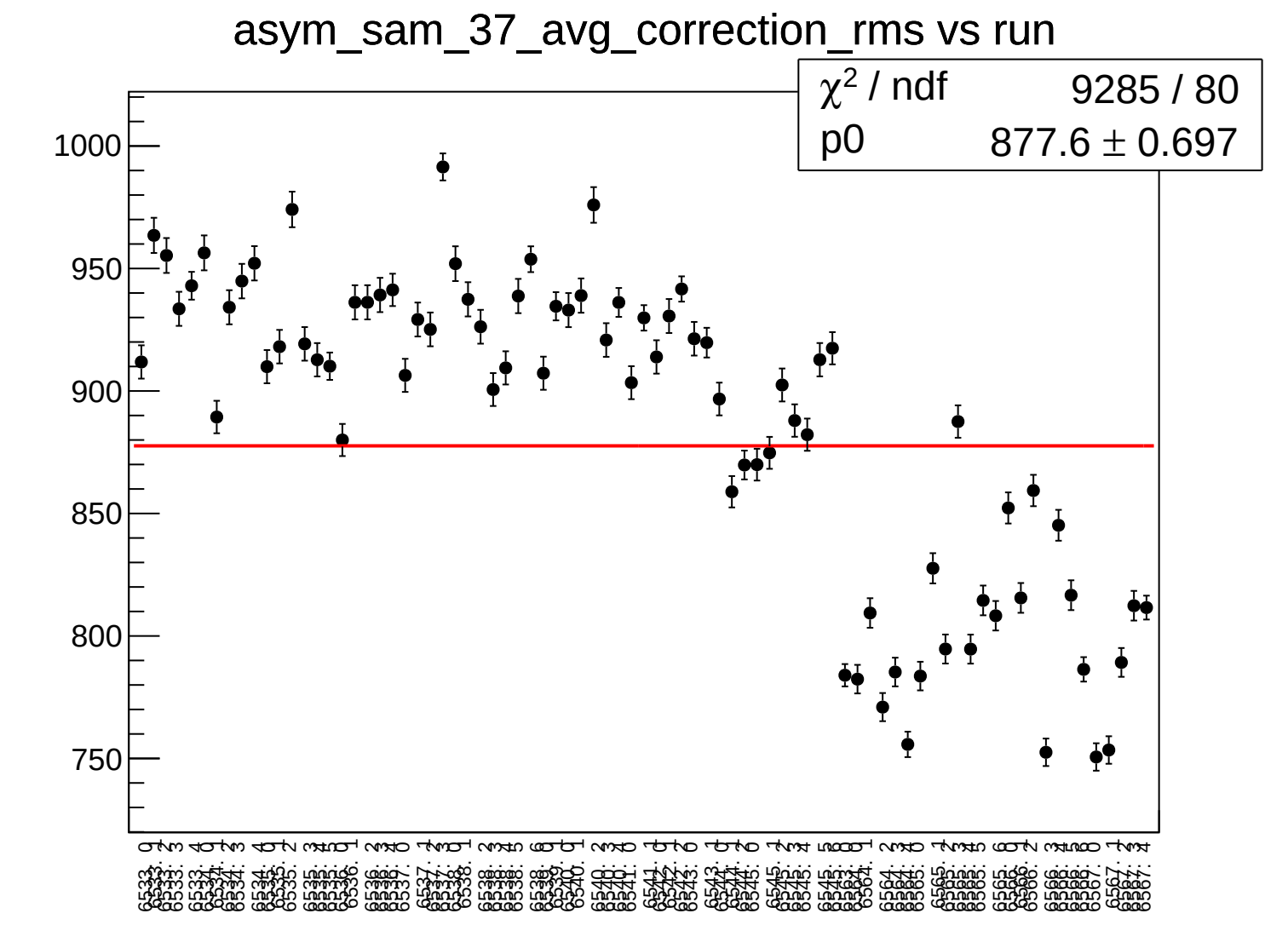

dit_asym_sam_37_avg_mean vs run
χ² / ndf 87.03 / 80
p0 −96.21 ± 120.5
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −31.61
Std Dev 76.94
3
2
1
0
−1
−2

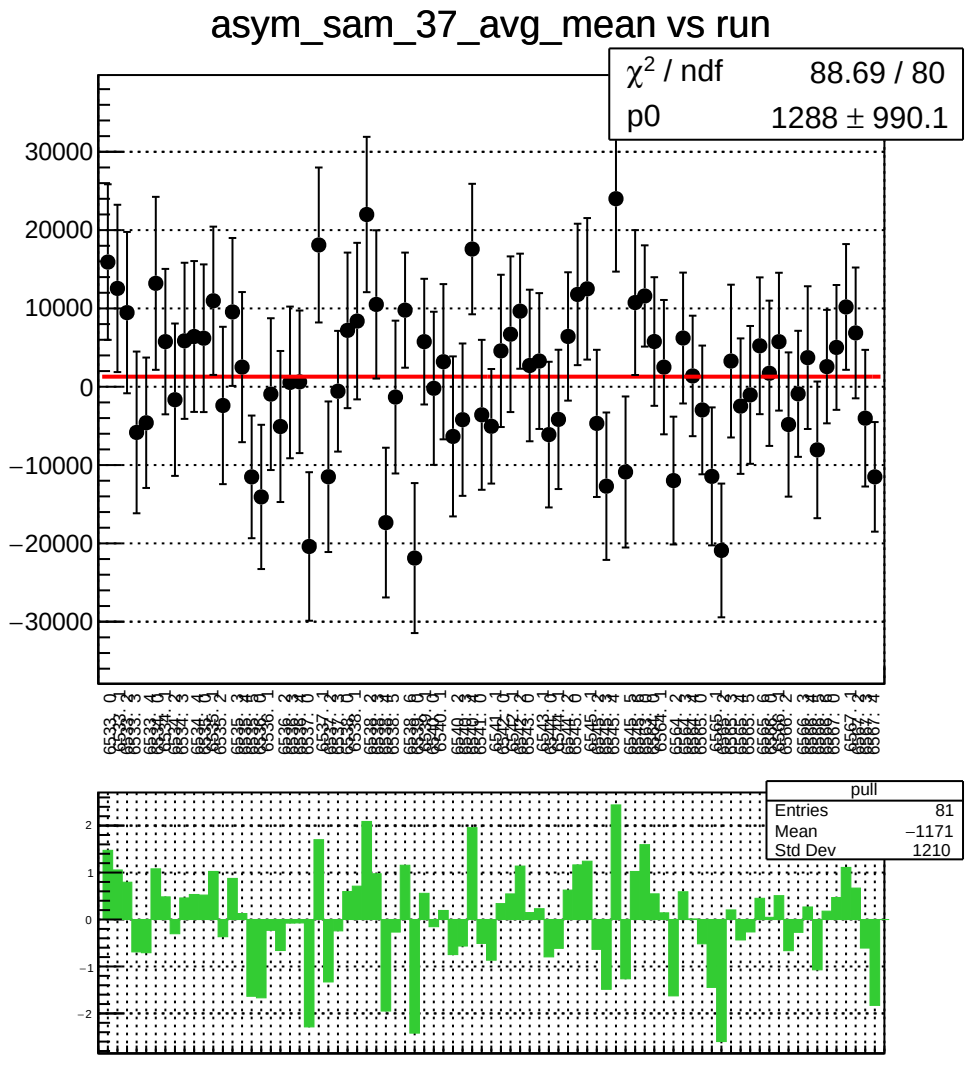

pull1D
Entries 81
Mean 0.02067
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

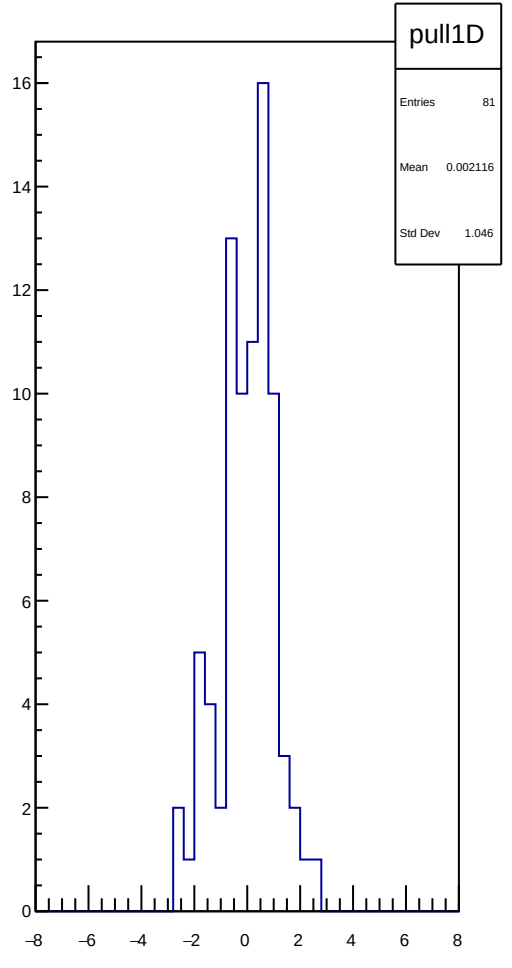

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.519e+04 / 80
p0 107.1 ± 0.08524
180
160
140
120
100
80

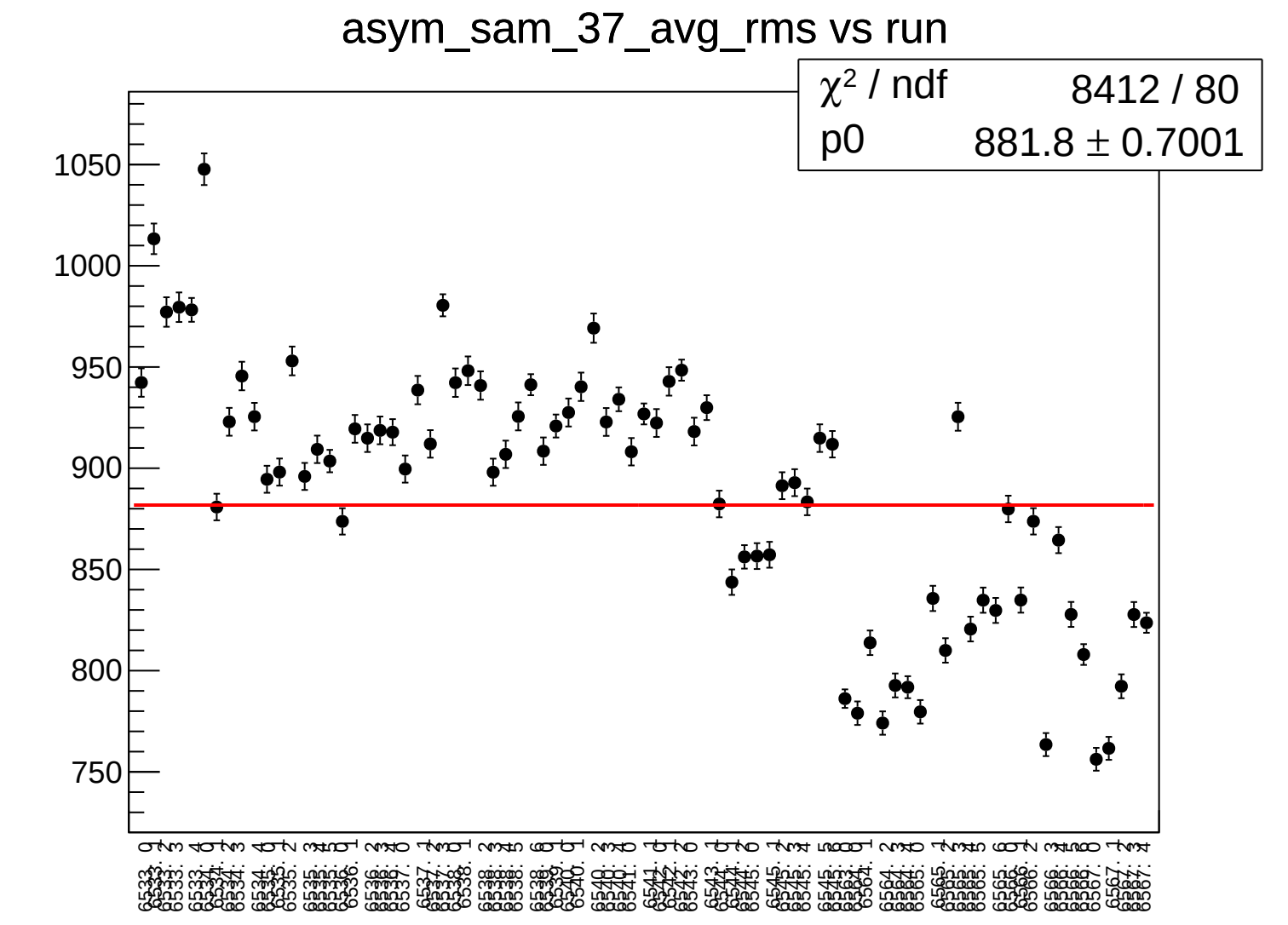

asym_sam_37_avg_correction_mean vs run
χ² / ndf 90.73 / 80
p0 −1389 ± 985.7
pull
Entries 81
Mean 6547
Std Dev 6510

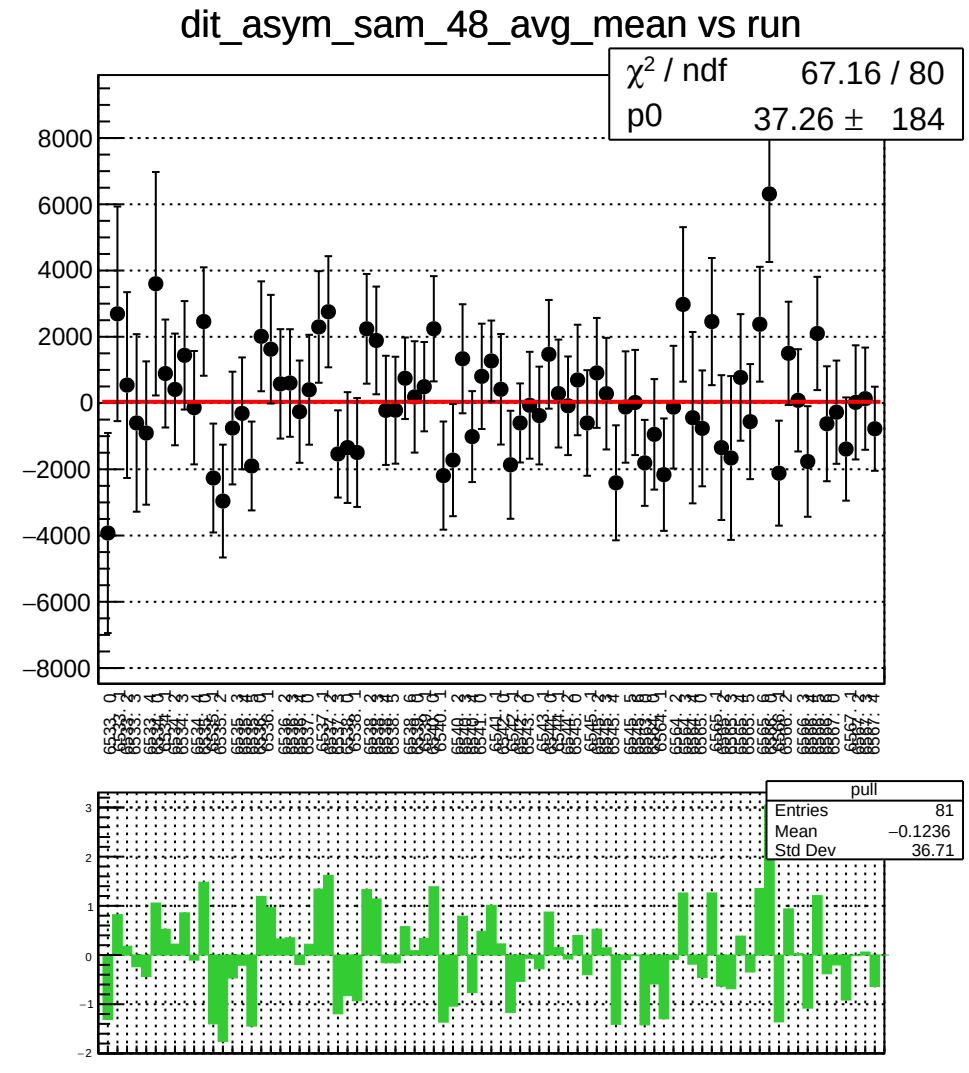

pull1D
Entries 81
Mean 0.0003832
Std Dev 1.058

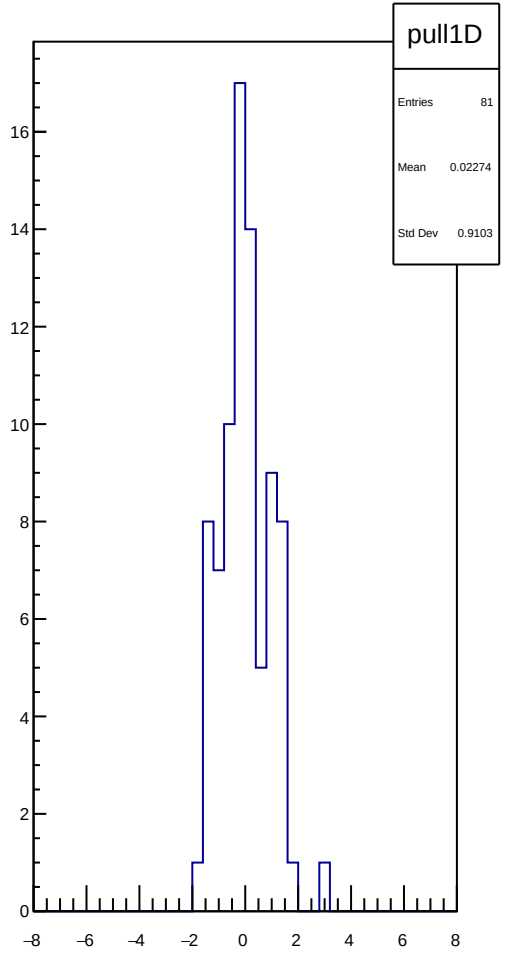

asym_sam_37_avg_correction_rms vs run
χ² / ndf 9285 / 80
p0 877.6 ± 0.697
1000
950
900
850
800
750

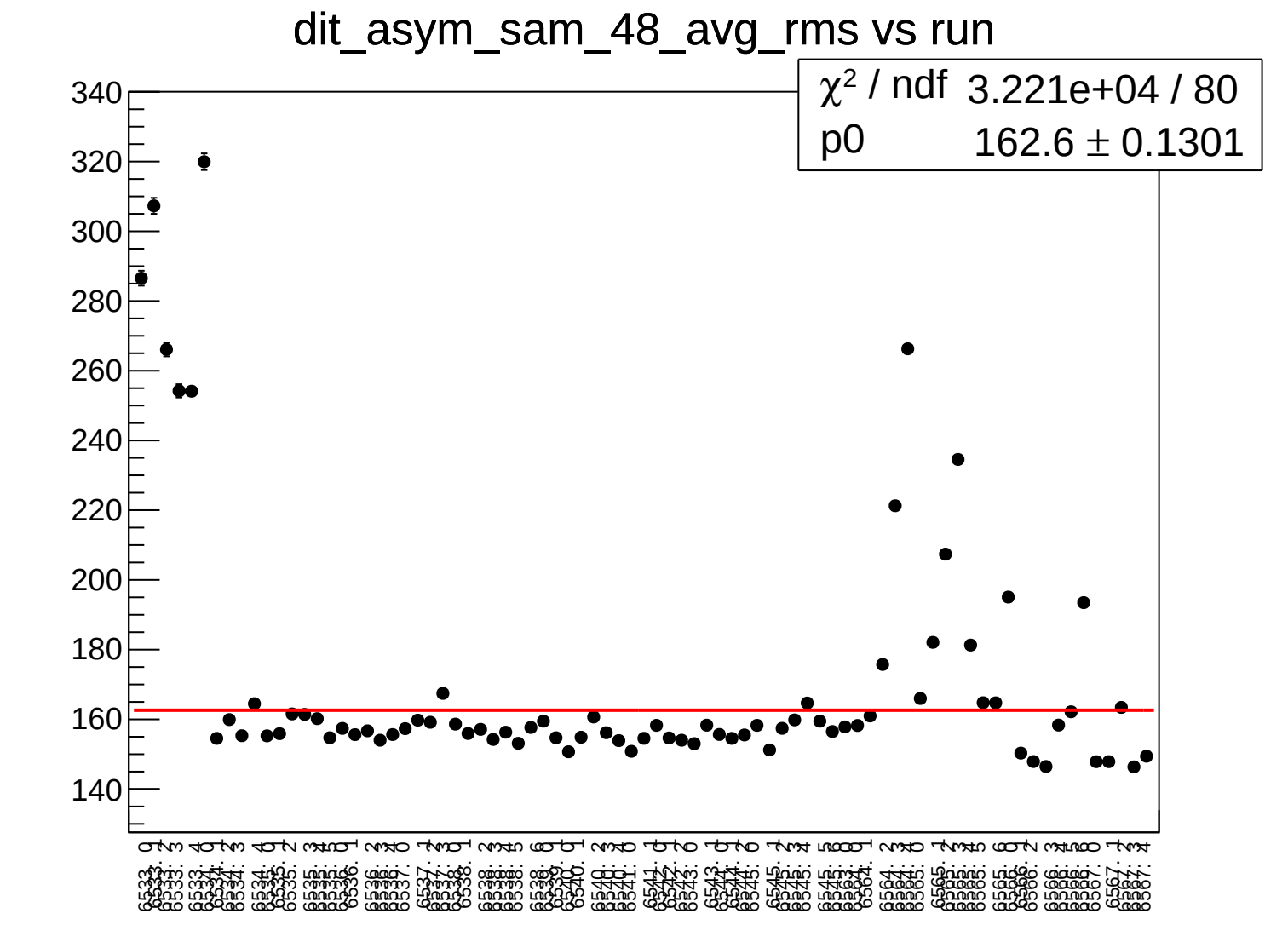

asym_sam_37_avg_mean vs run
χ² / ndf 88.69 / 80
p0 1288 ± 990.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −1171
Std Dev 1210
2
1
0
−1
−2

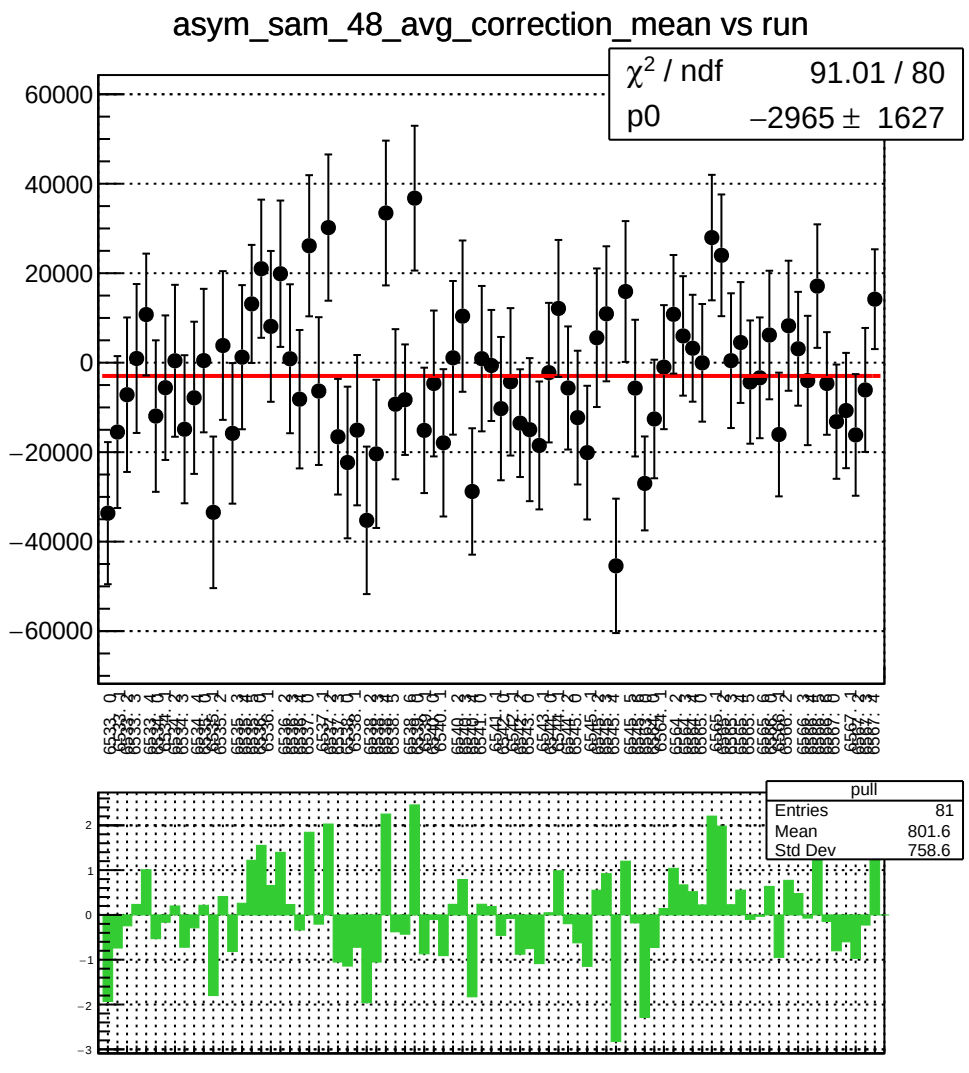

pull1D
Entries 81
Mean 0.002116
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

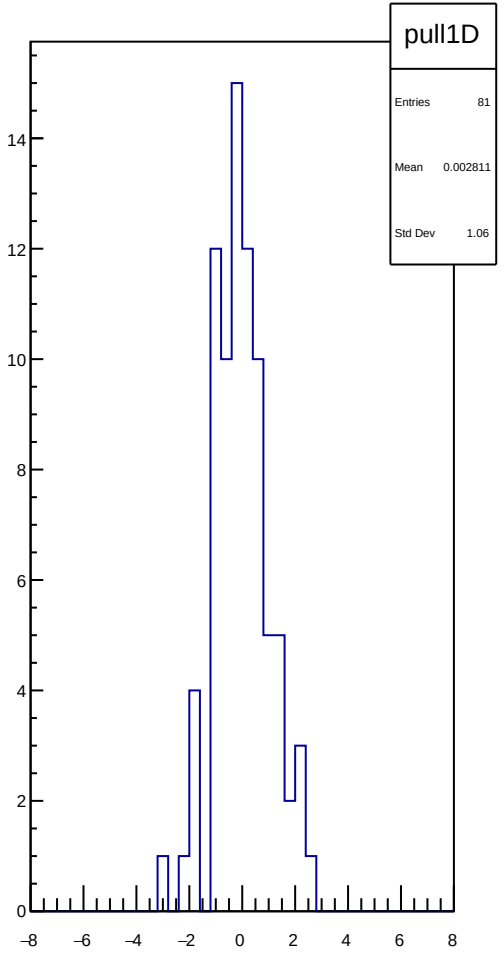

asym_sam_37_avg_rms vs run
χ² / ndf 8412 / 80
p0 881.8 ± 0.7001
1050
1000
950
900
850
800
750

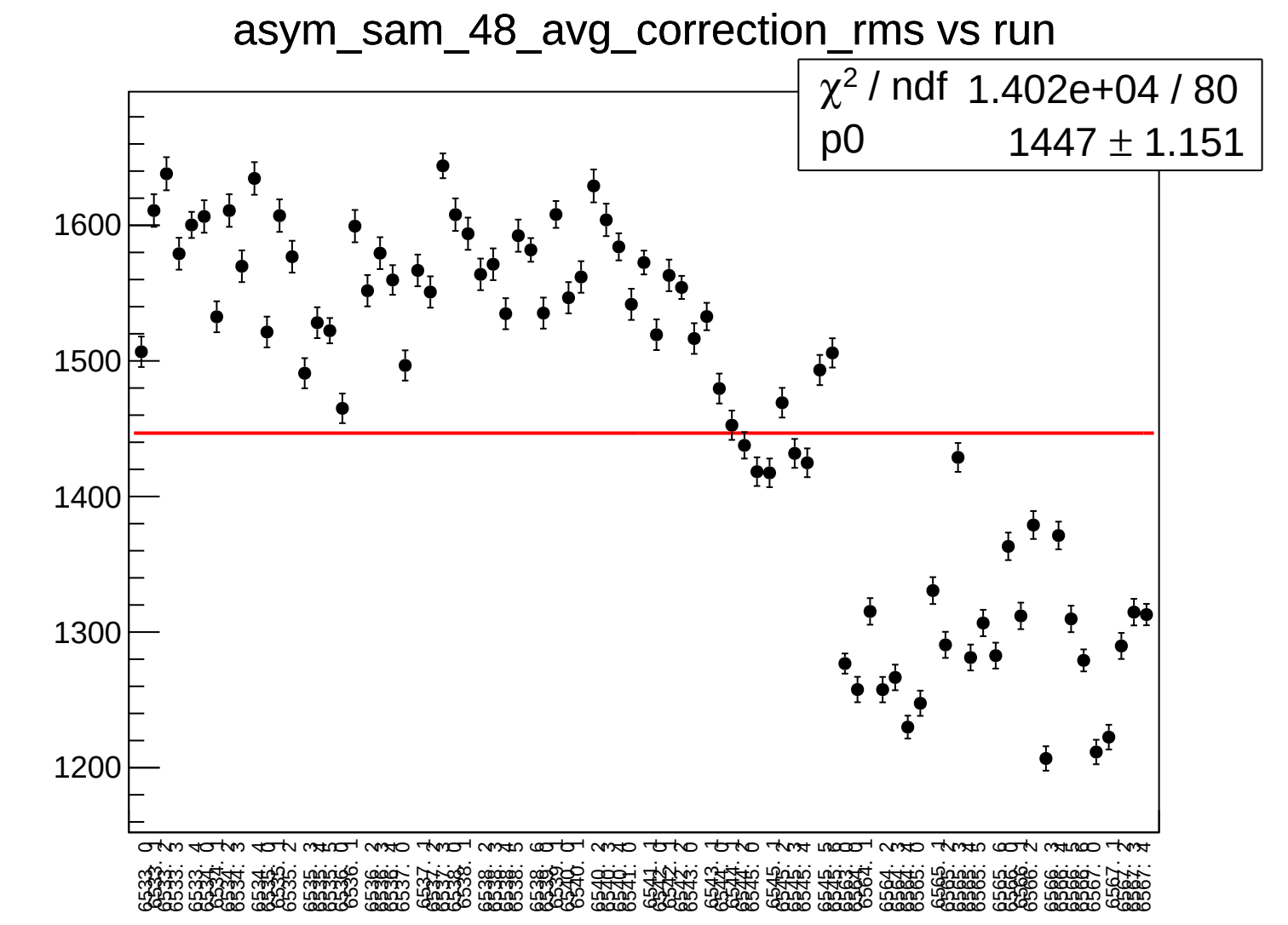

dit_asym_sam_48_avg_mean vs run
χ² / ndf 67.16 / 80
p0 37.26 ± 184
pull
Entries 81
Mean −0.1236
Std Dev 36.71

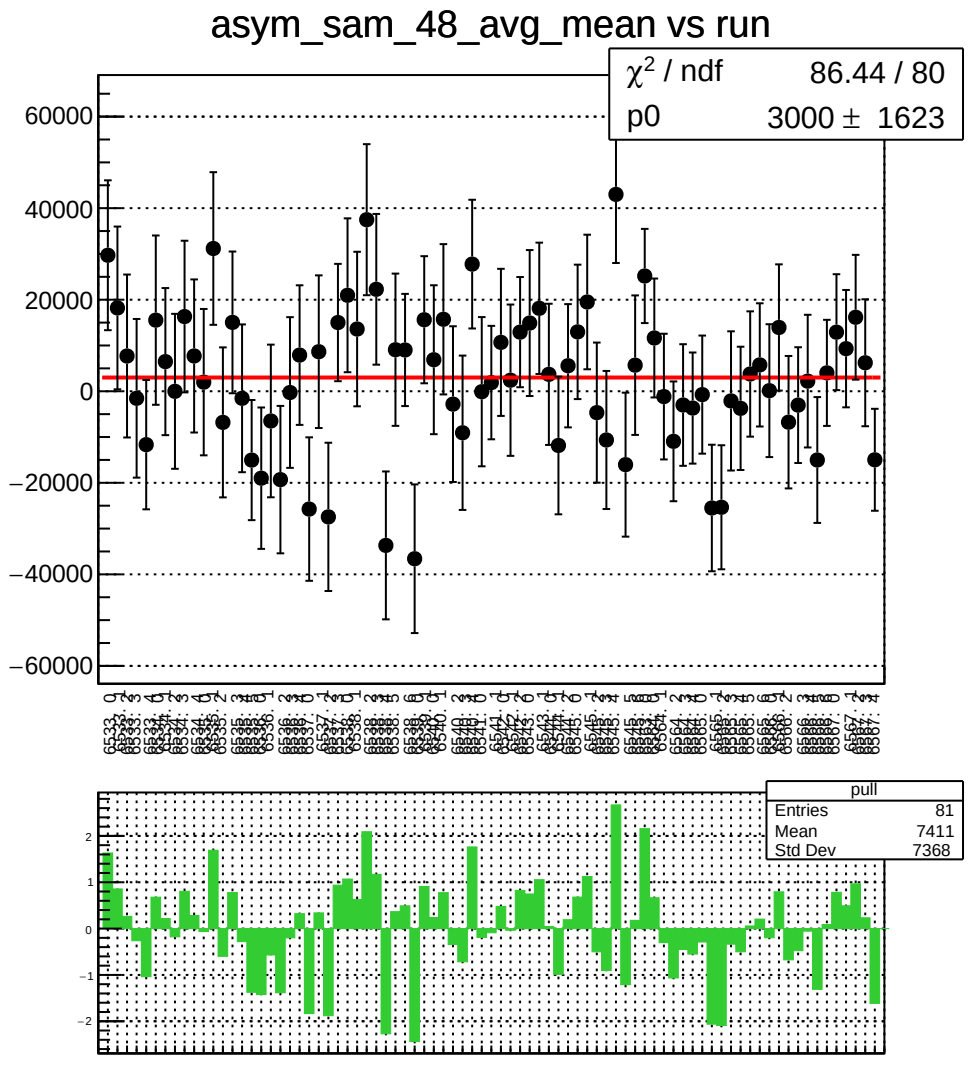

pull1D
Entries 81
Mean 0.02274
Std Dev 0.9103

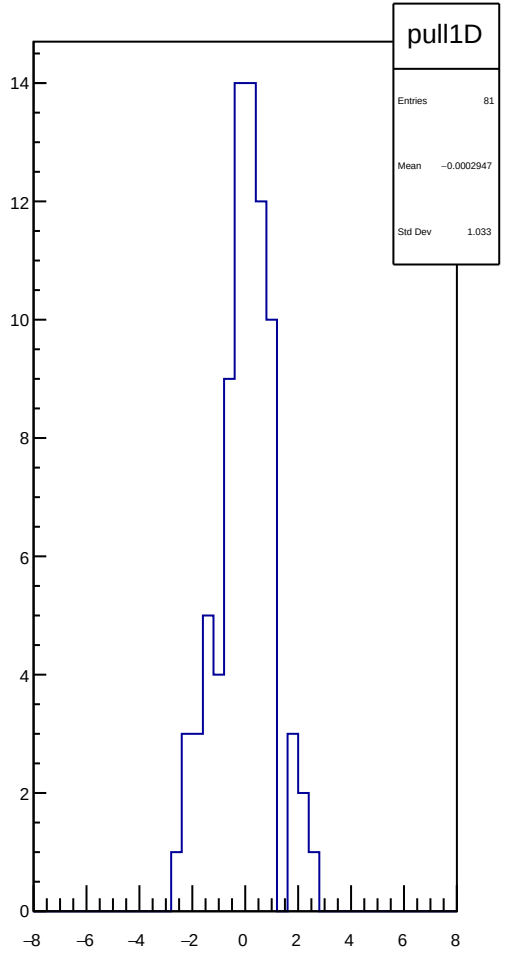

dit_asym_sam_48_avg_rms vs run
χ² / ndf 3.221e+04 / 80
p0 162.6 ± 0.1301
340
320
300
280
260
240
220
200
180
160
140

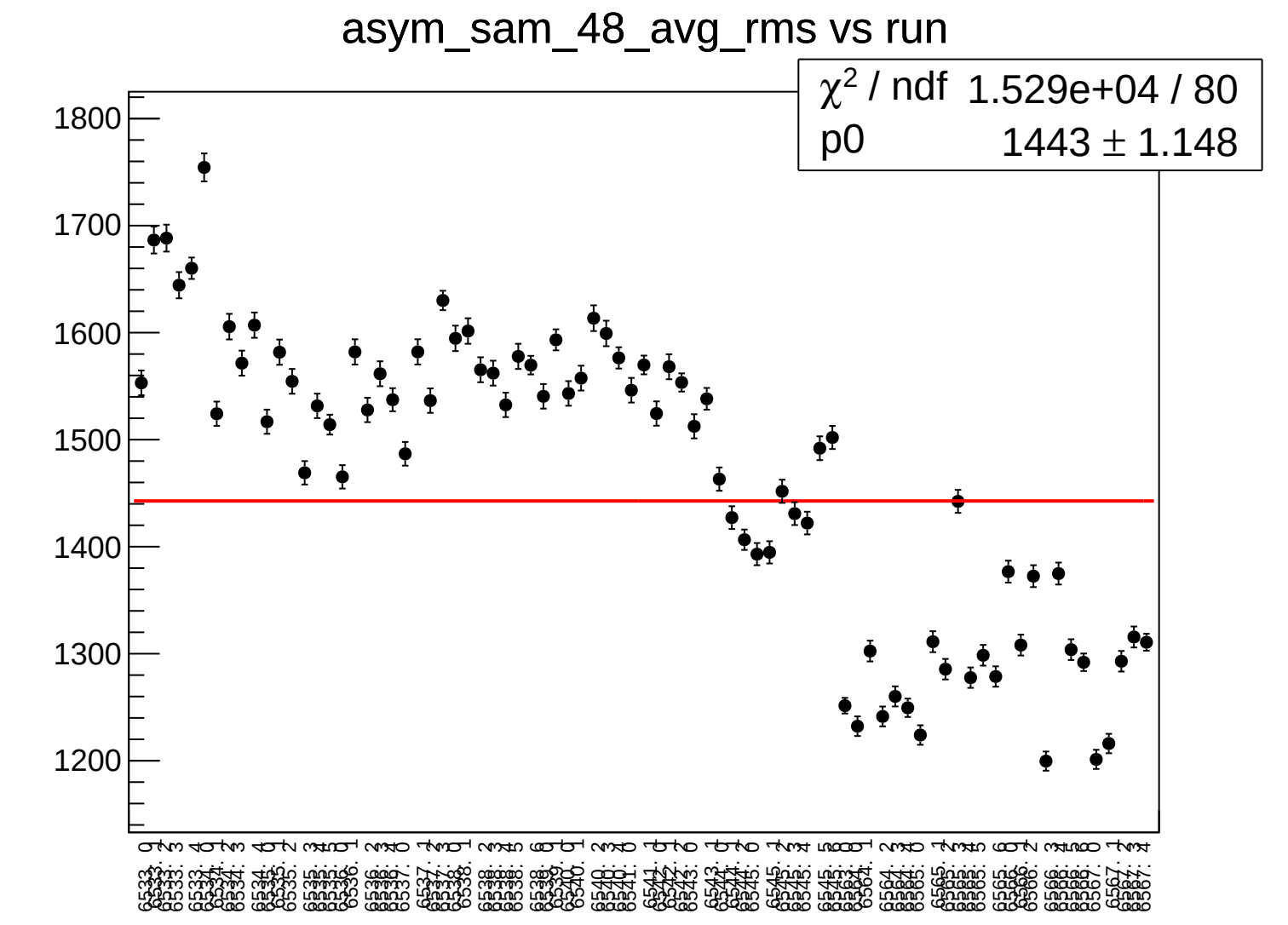

asym_sam_48_avg_correction_mean vs run
χ² / ndf 91.01 / 80
p0 −2965 ± 1627
pull
Entries 81
Mean 801.6
Std Dev 758.6

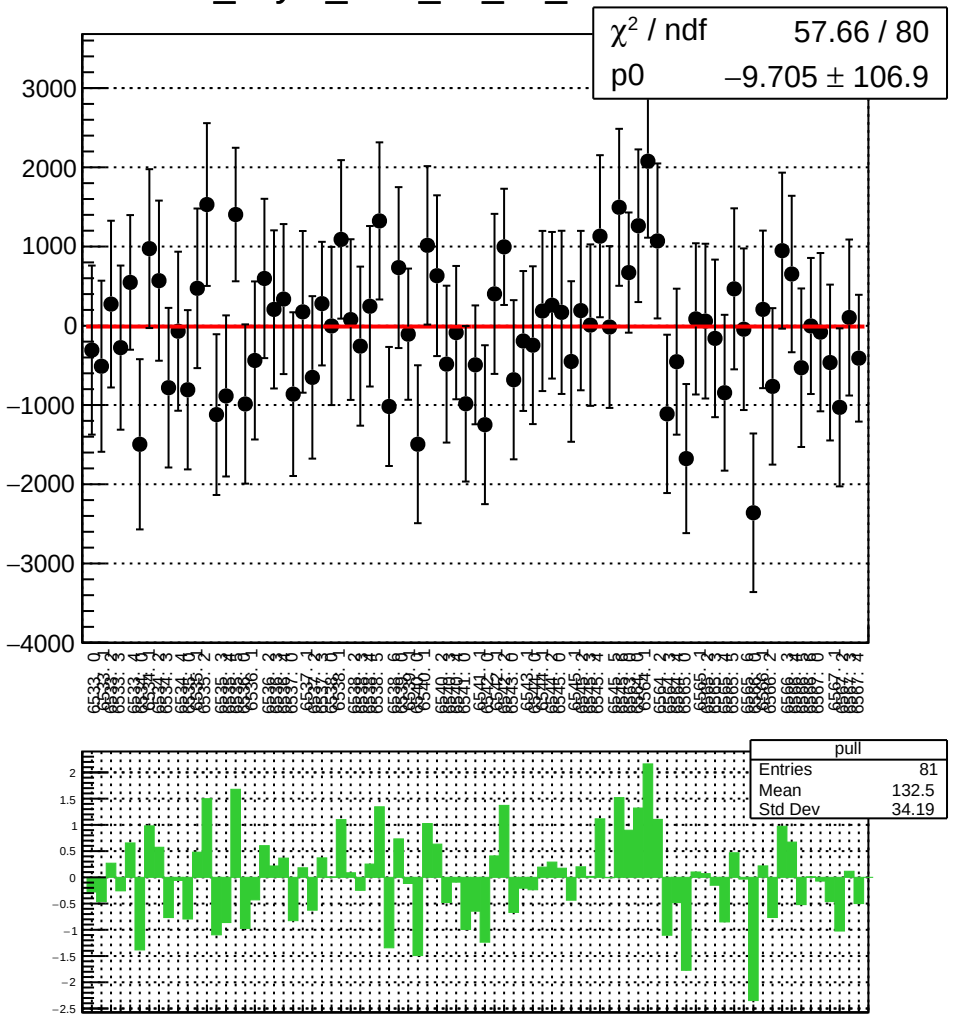

pull1D
Entries 81
Mean 0.002811
Std Dev 1.06

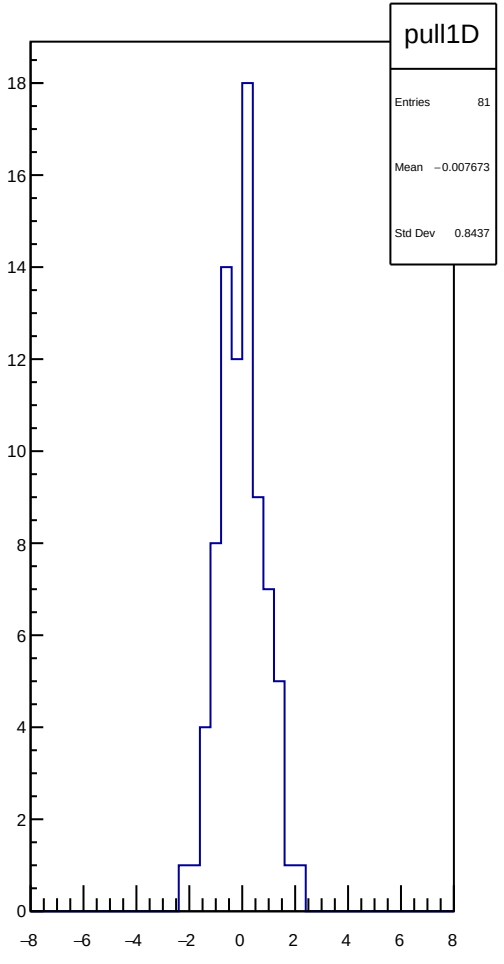

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.402e+04 / 80
p0 1447 ± 1.151
1600
1500
1400
1300
1200

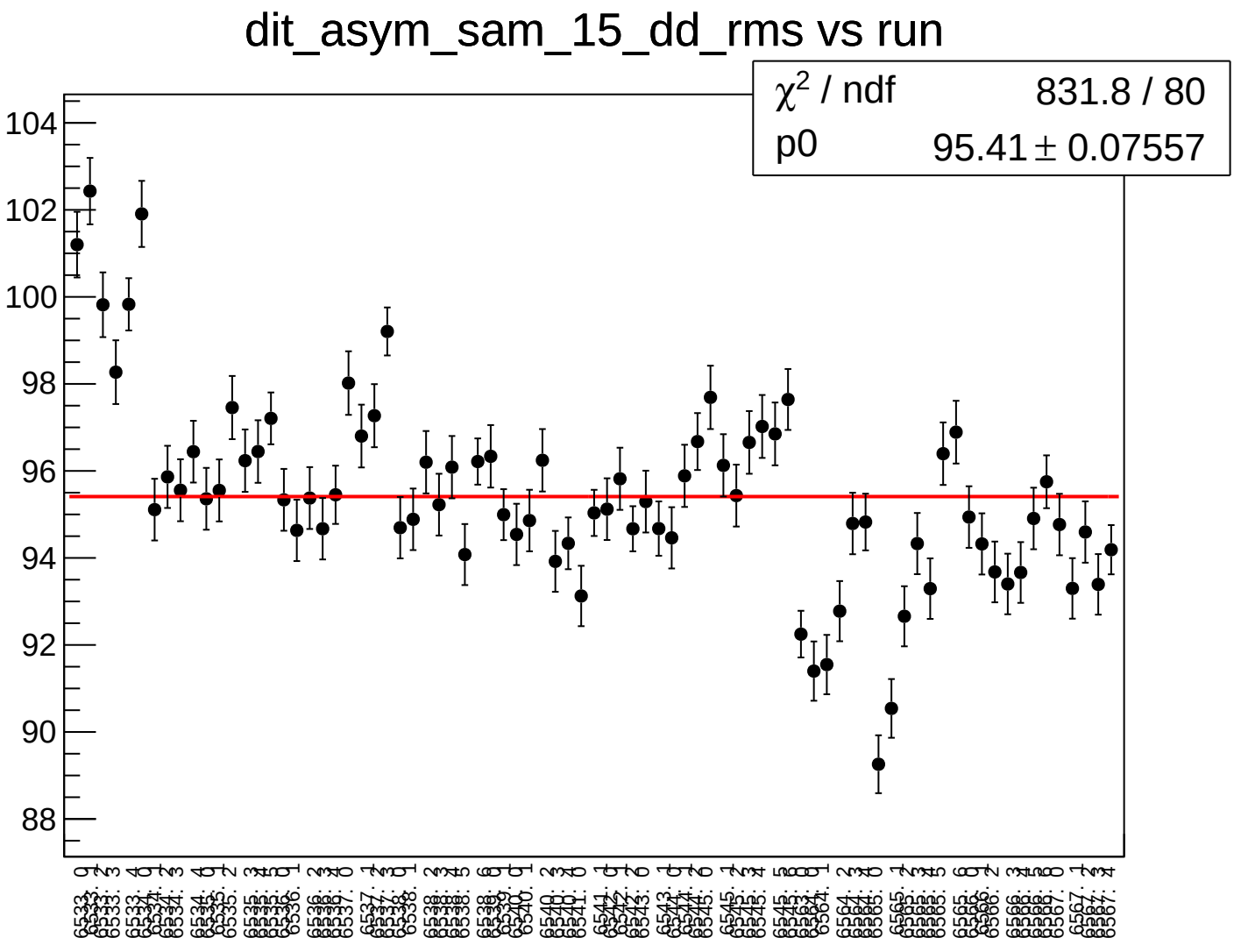

asym_sam_48_avg_mean vs run
χ² / ndf 86.44 / 80
p0 3000 ± 1623
pull
Entries 81
Mean 7411
Std Dev 7368

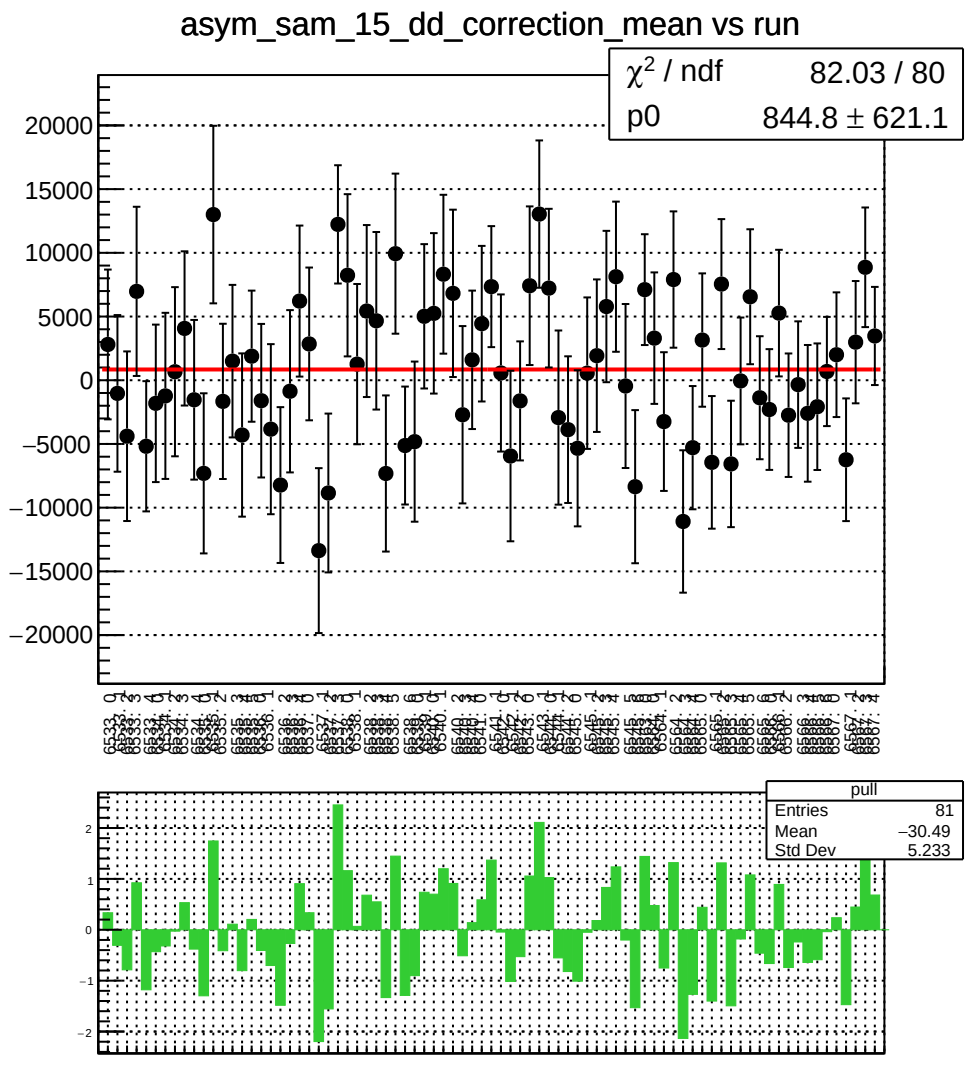

pull1D
Entries 81
Mean −0.0002947
Std Dev 1.033

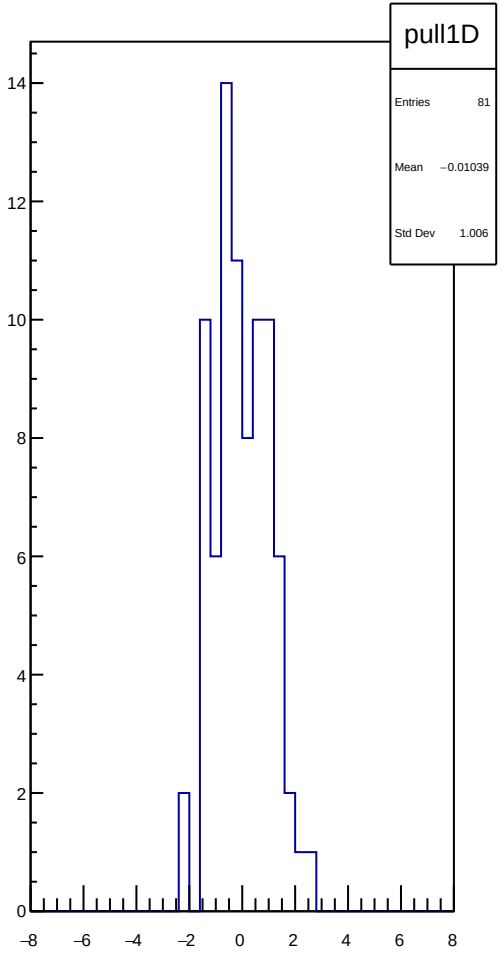

asym_sam_48_avg_rms vs run
χ² / ndf 1.529e+04 / 80
p0 1443 ± 1.148
1800
1700
1600
1500
1400
1300
1200

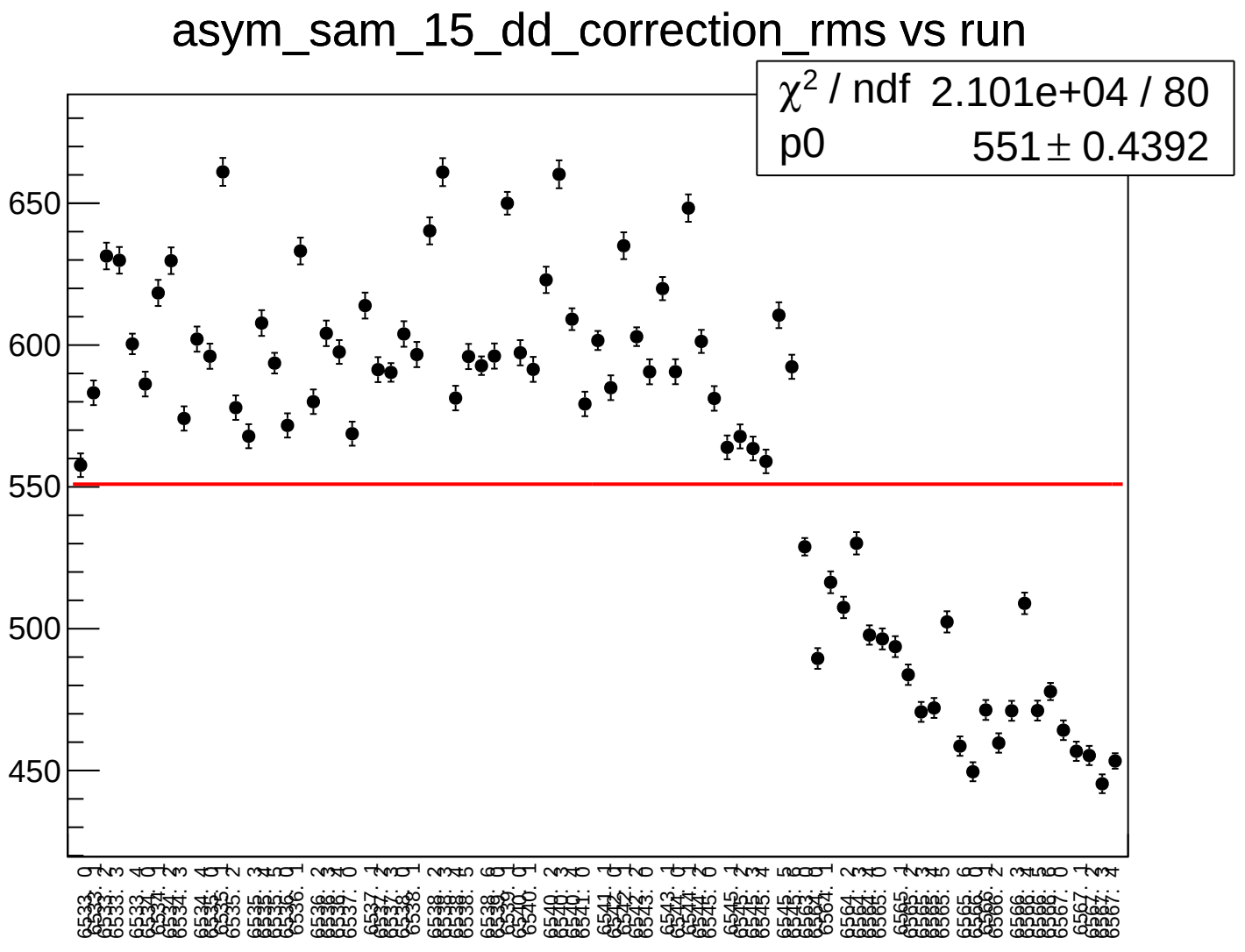

dit_asym_sam_15_dd_mean vs run
χ² / ndf 57.66 / 80
p0 −9.705 ± 106.9
pull
Entries 81
Mean 132.5
Std Dev 34.19

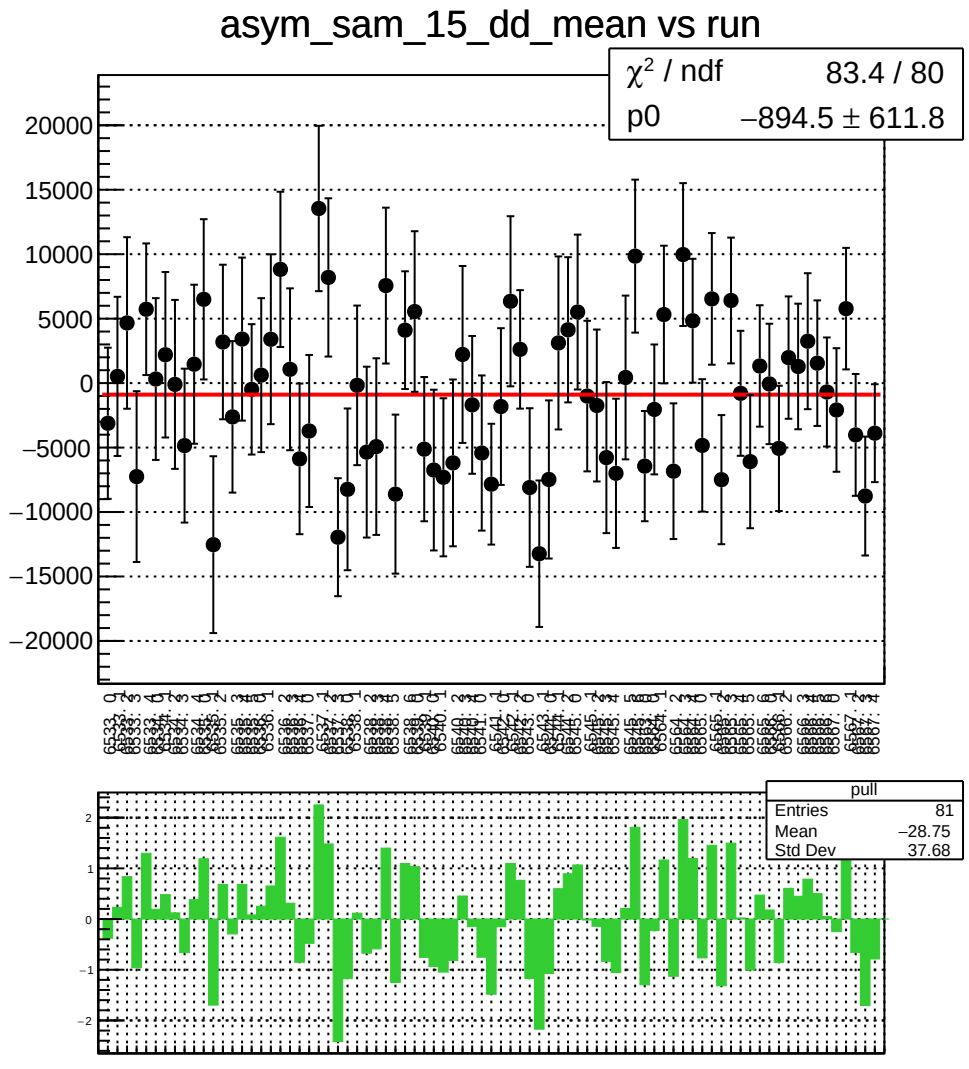

pull1D
Entries 81
Mean −0.007673
Std Dev 0.8437

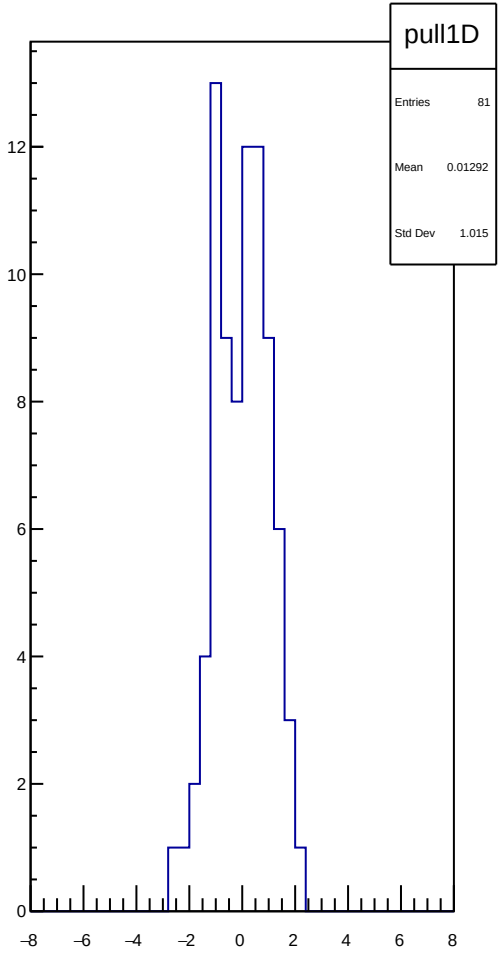

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 831.8 / 80
p0 95.41 ± 0.07557
104
102
100
98
96
94
92
90
88

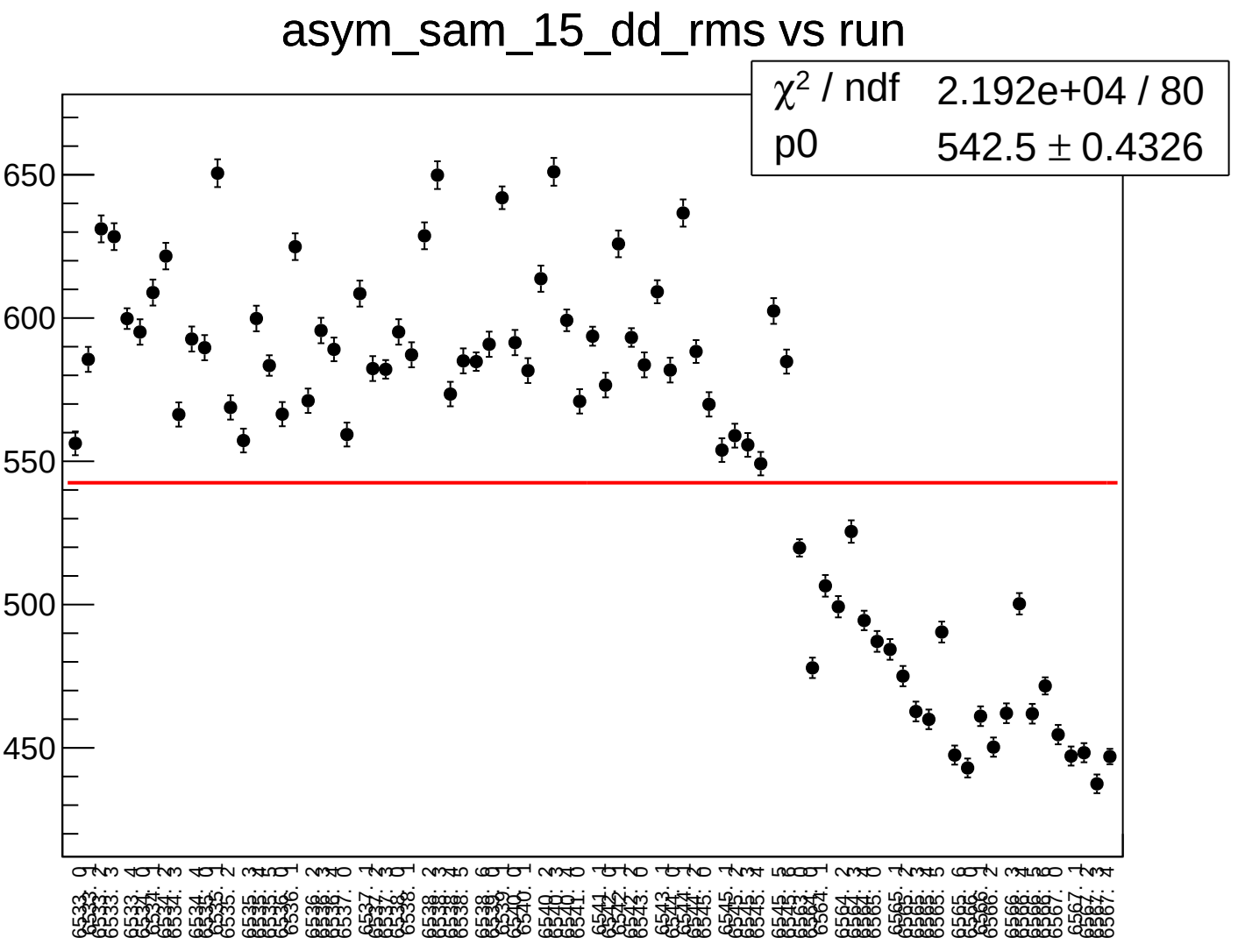

asym_sam_15_dd_correction_mean vs run
χ² / ndf 82.03 / 80
p0 844.8 ± 621.1
pull
Entries 81
Mean −30.49
Std Dev 5.233

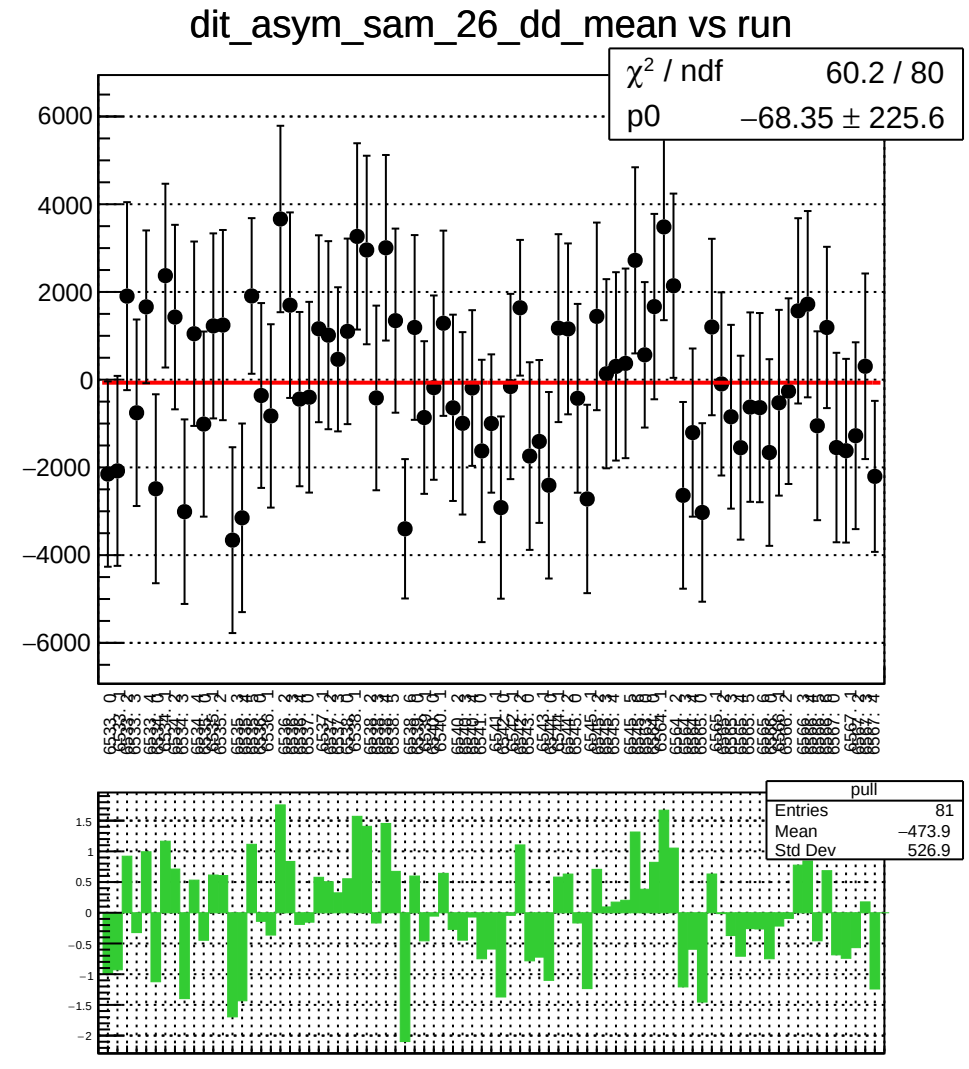

pull1D
Entries 81
Mean −0.01039
Std Dev 1.006

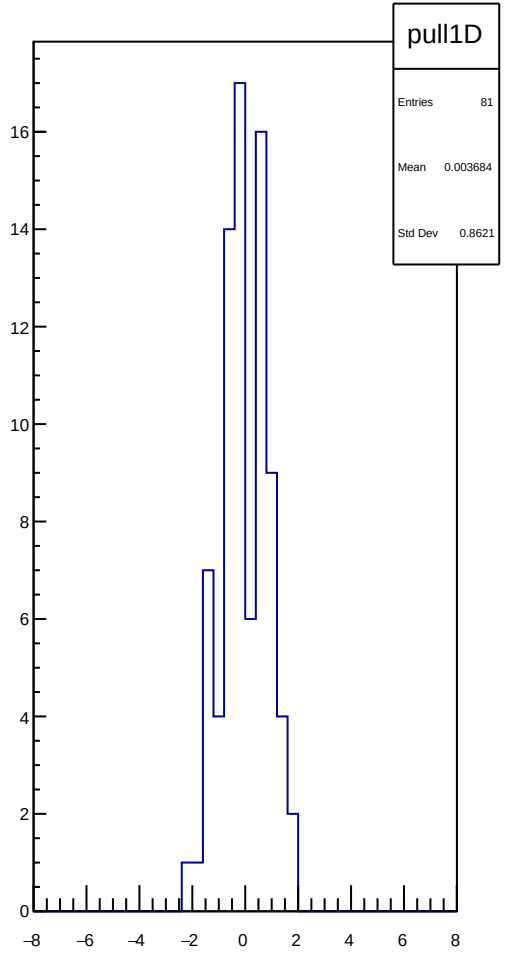

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.101e+04 / 80
p0 551 ± 0.4392
650
600
550
500
450

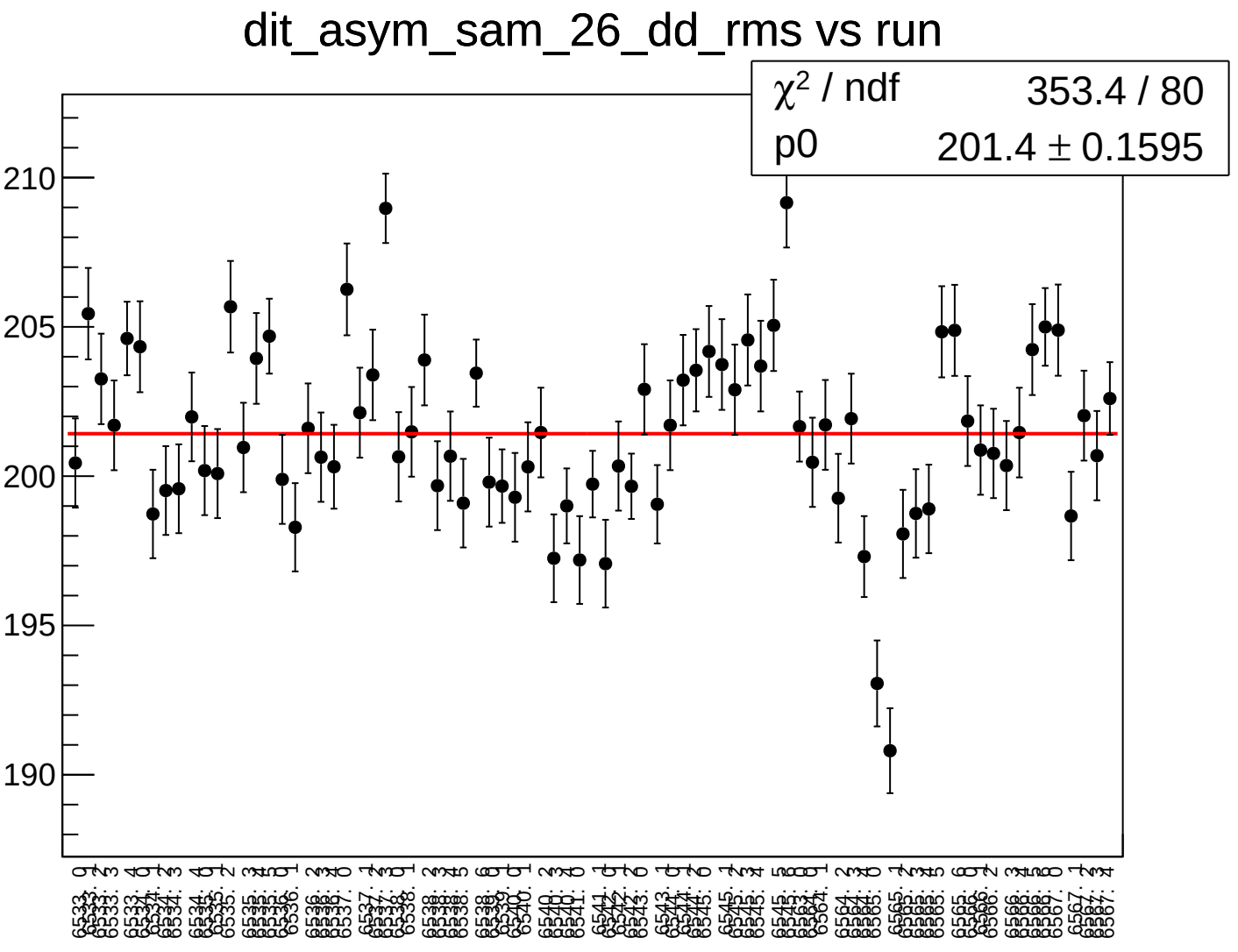

asym_sam_15_dd_mean vs run
χ² / ndf 83.4 / 80
p0 −894.5 ± 611.8
pull
Entries 81
Mean −28.75
Std Dev 37.68

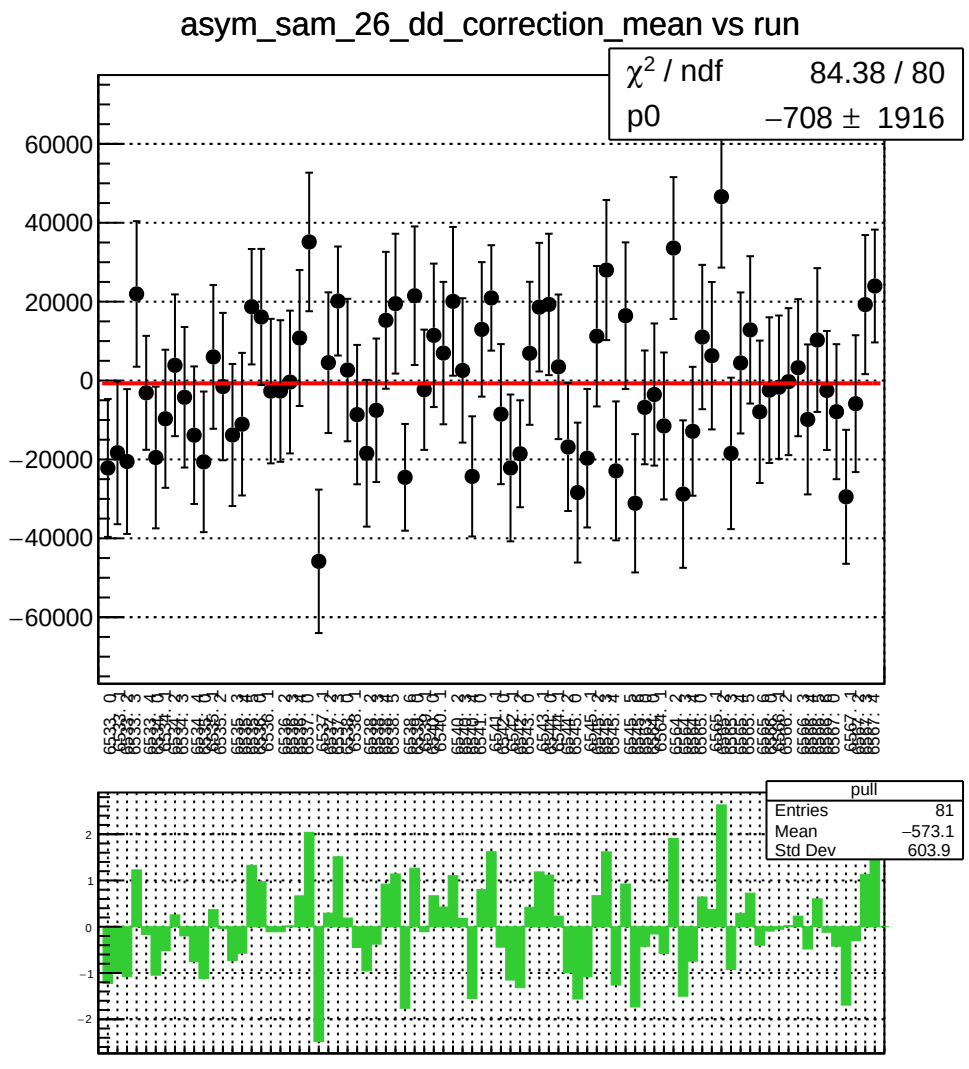

pull1D
Entries 81
Mean 0.01292
Std Dev 1.015

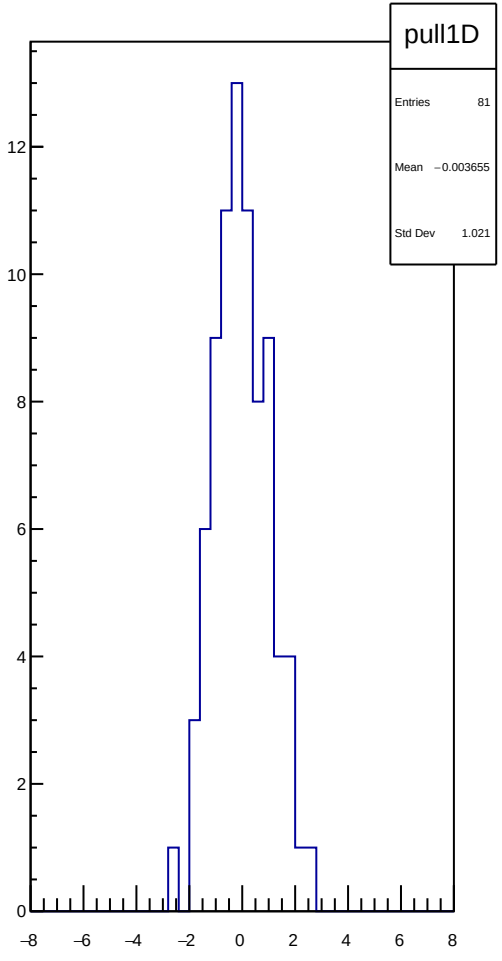

asym_sam_15_dd_rms vs run
χ² / ndf 2.192e+04 / 80
p0 542.5 ± 0.4326
650
600
550
500
450

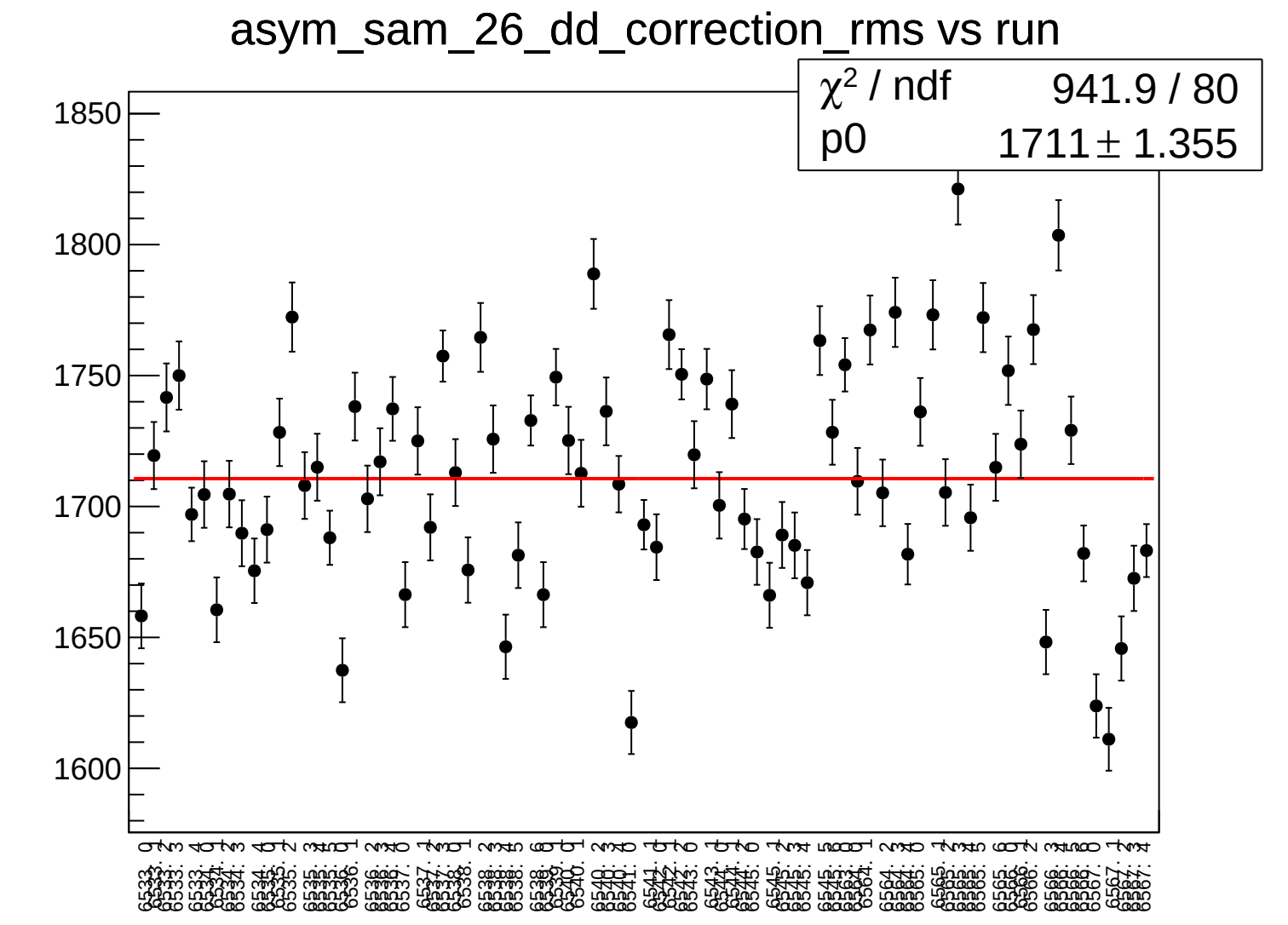

dit_asym_sam_26_dd_mean vs run
χ² / ndf 60.2 / 80
p0 −68.35 ± 225.6
pull
Entries 81
Mean −473.9
Std Dev 526.9

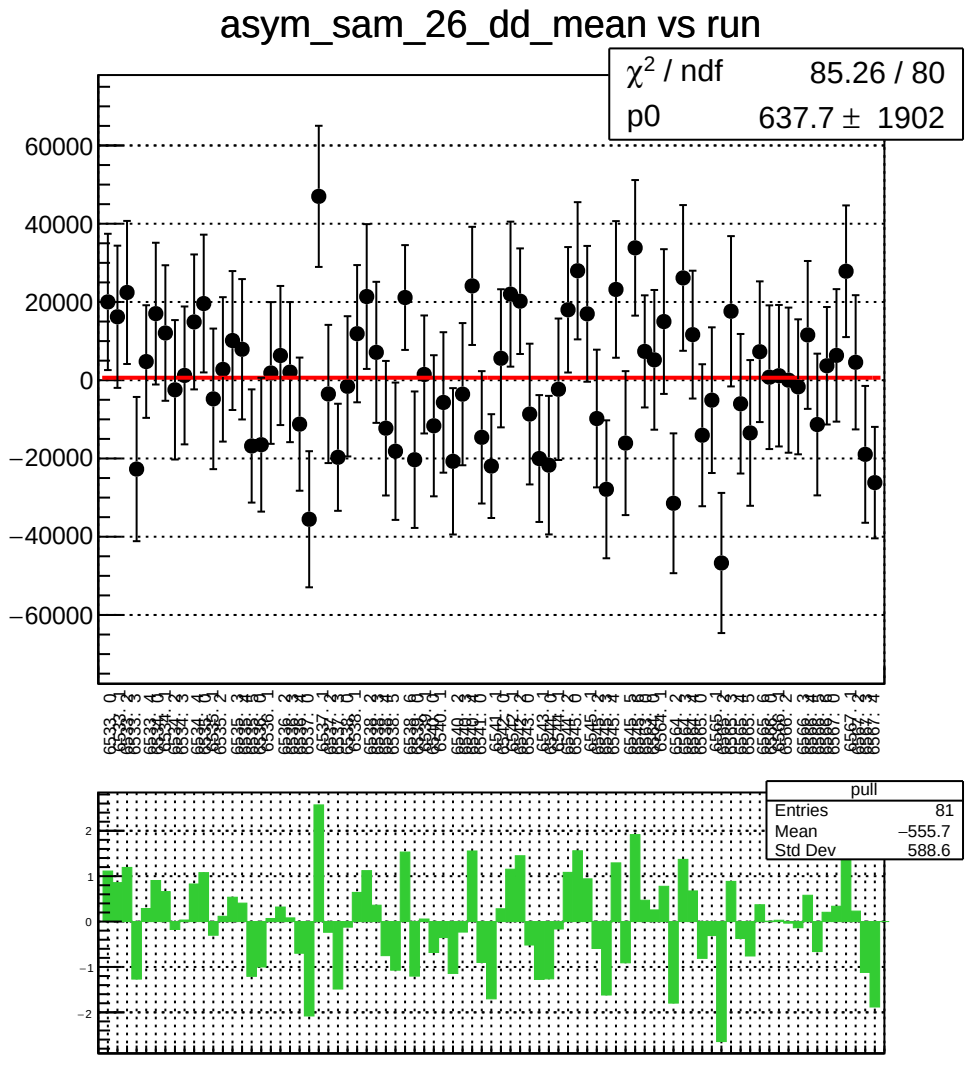

pull1D
Entries 81
Mean 0.003684
Std Dev 0.8621

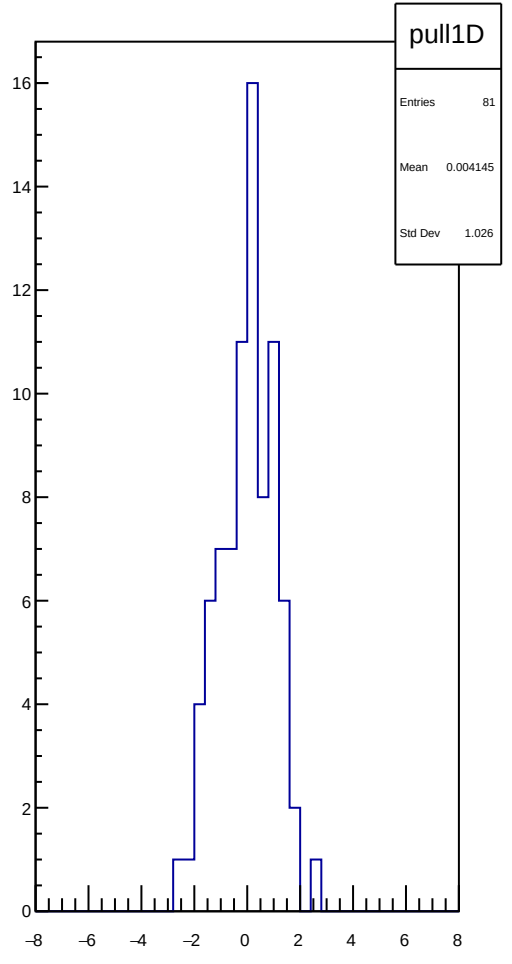

dit_asym_sam_26_dd_rms vs run
χ² / ndf 353.4 / 80
p0 201.4 ± 0.1595
210
205
200
195
190

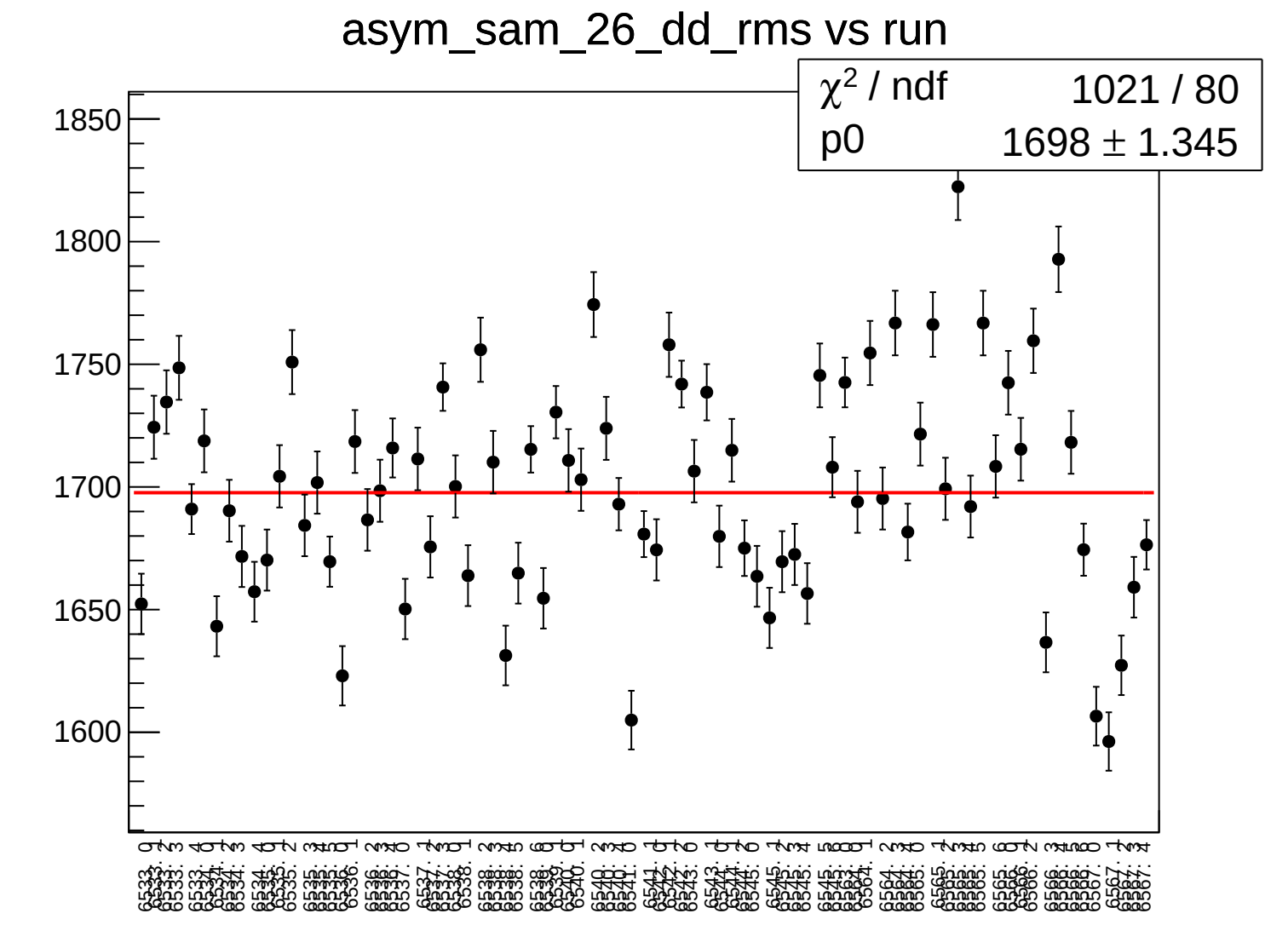

asym_sam_26_dd_correction_mean vs run
χ² / ndf 84.38 / 80
p0 −708 ± 1916
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −573.1
Std Dev 603.9
2
1
0
−1
−2

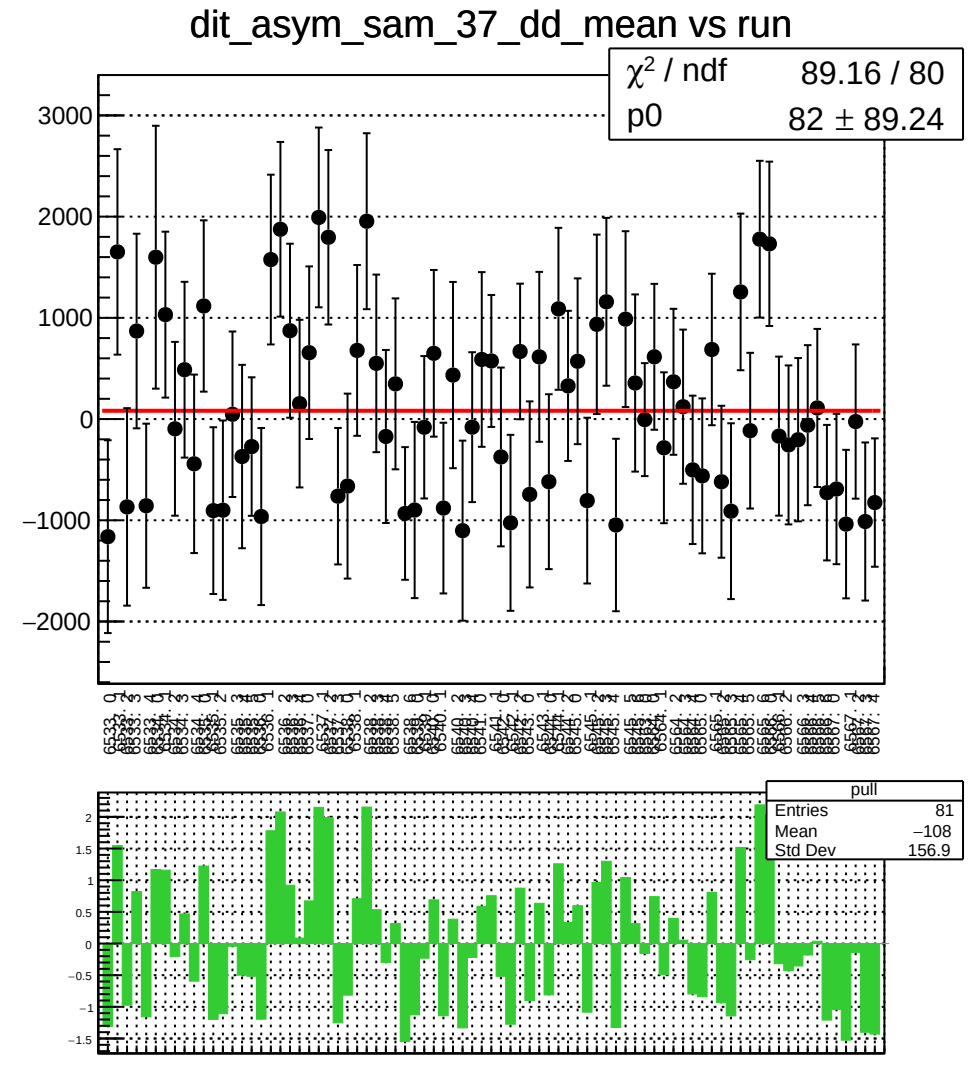

pull1D
Entries 81
Mean −0.003655
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

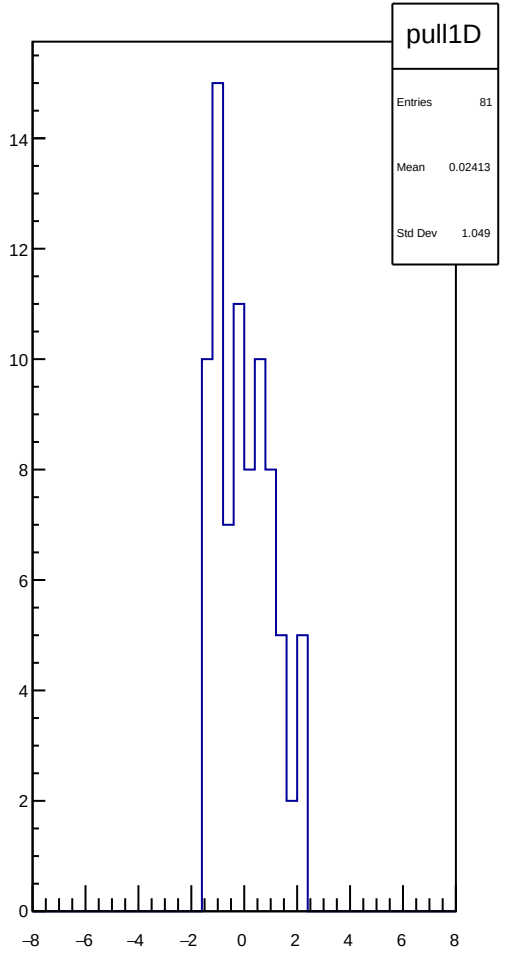

asym_sam_26_dd_correction_rms vs run
χ² / ndf 941.9 / 80
p0 1711 ± 1.355
1850
1800
1750
1700
1650
1600

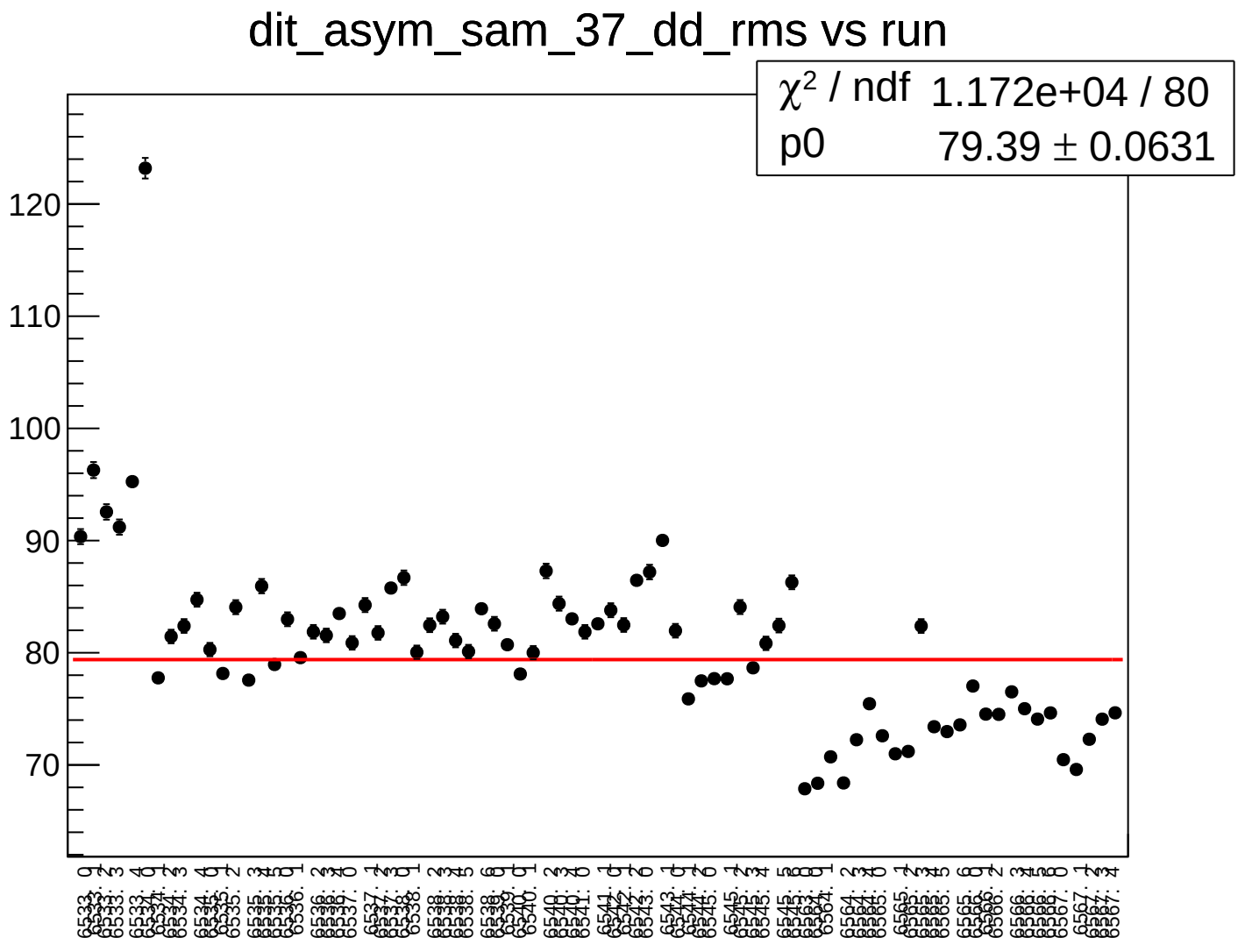

asym_sam_26_dd_mean vs run
χ² / ndf 85.26 / 80
p0 637.7 ± 1902
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −555.7
Std Dev 588.6
2
1
0
−1
−2

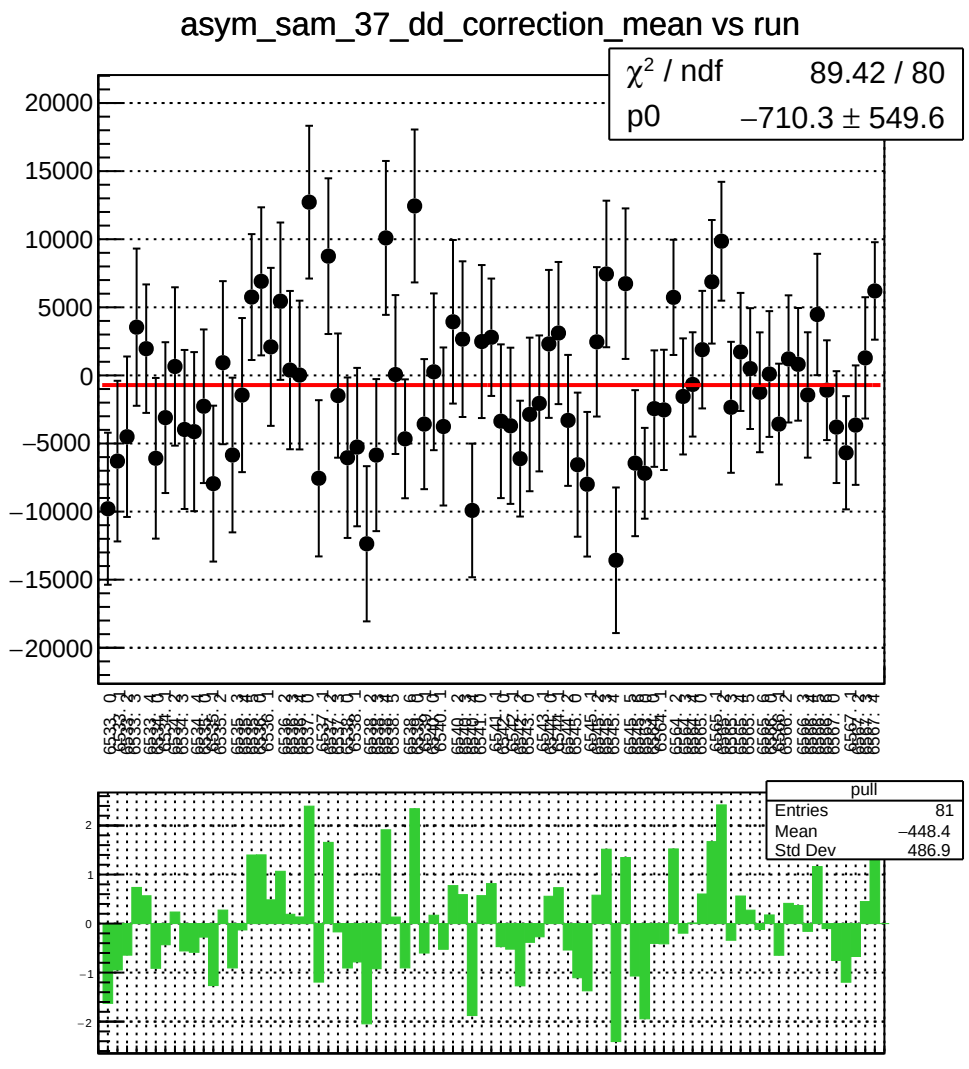

pull1D
Entries 81
Mean 0.004145
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

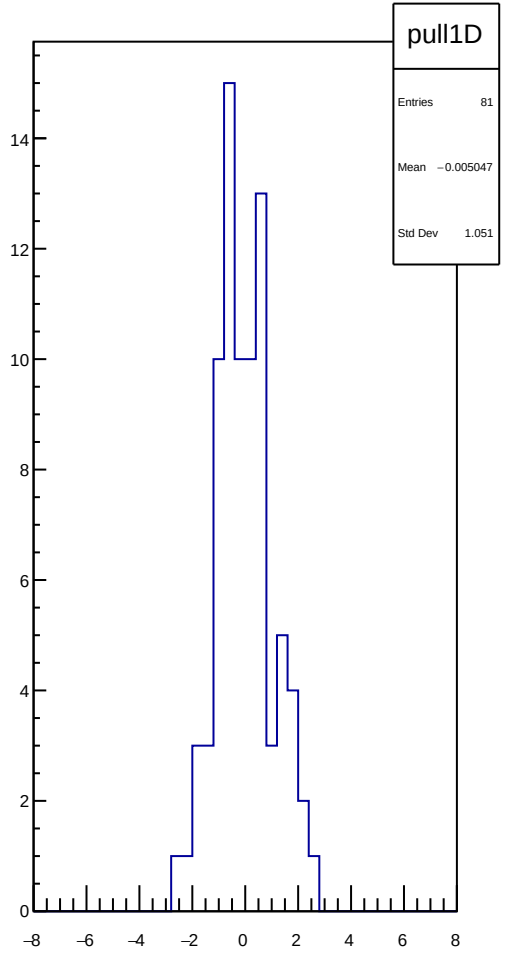

asym_sam_26_dd_rms vs run
χ² / ndf 1021 / 80
p0 1698 ± 1.345
1850
1800
1750
1700
1650
1600

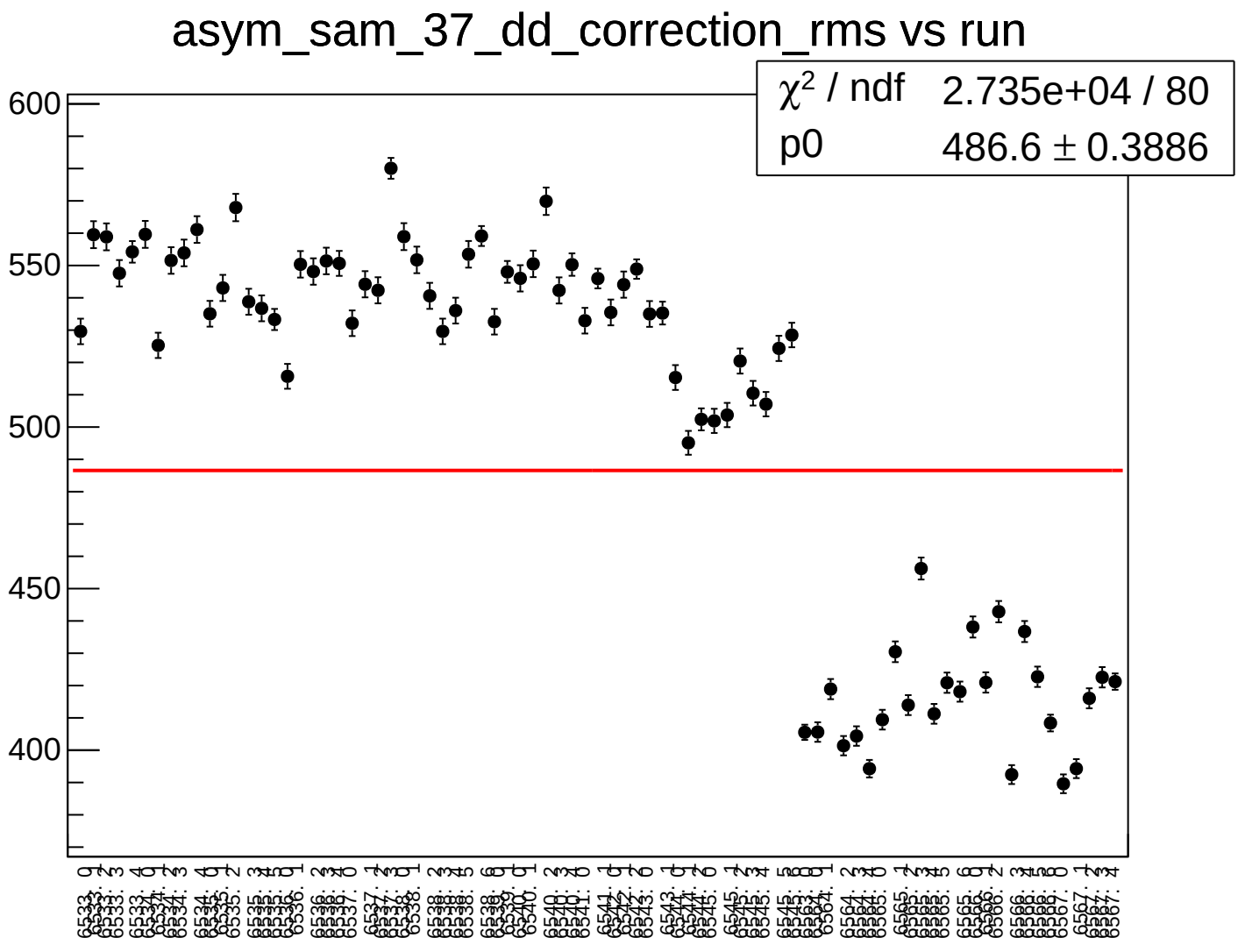

dit_asym_sam_37_dd_mean vs run
χ² / ndf 89.16 / 80
p0 82 ± 89.24
3000
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −108
Std Dev 156.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

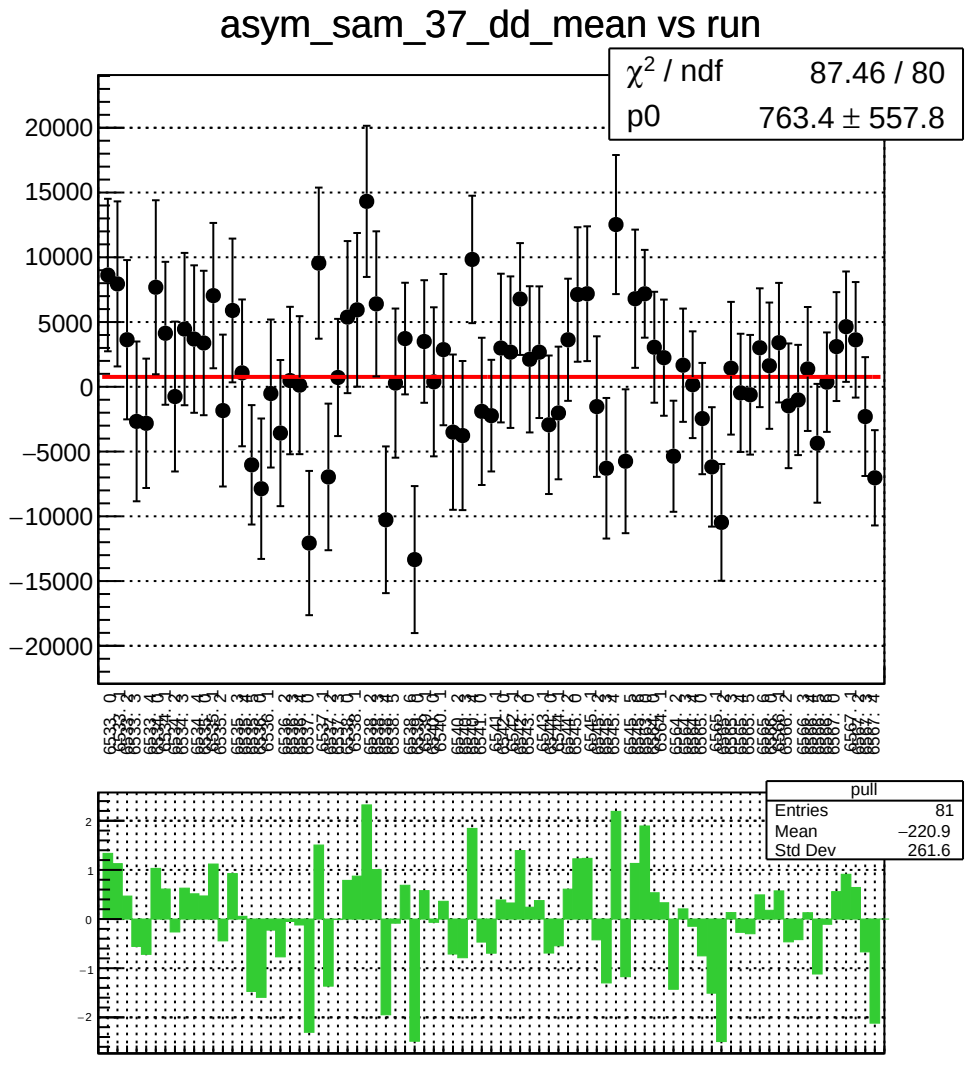

pull1D
Entries 81
Mean 0.02413
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

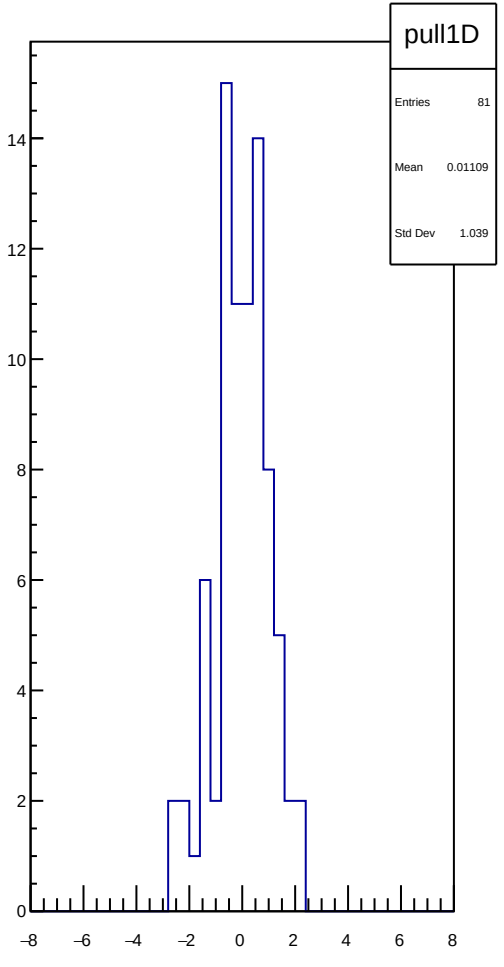

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.172e+04 / 80
p0 79.39 ± 0.0631
120
110
100
90
80
70

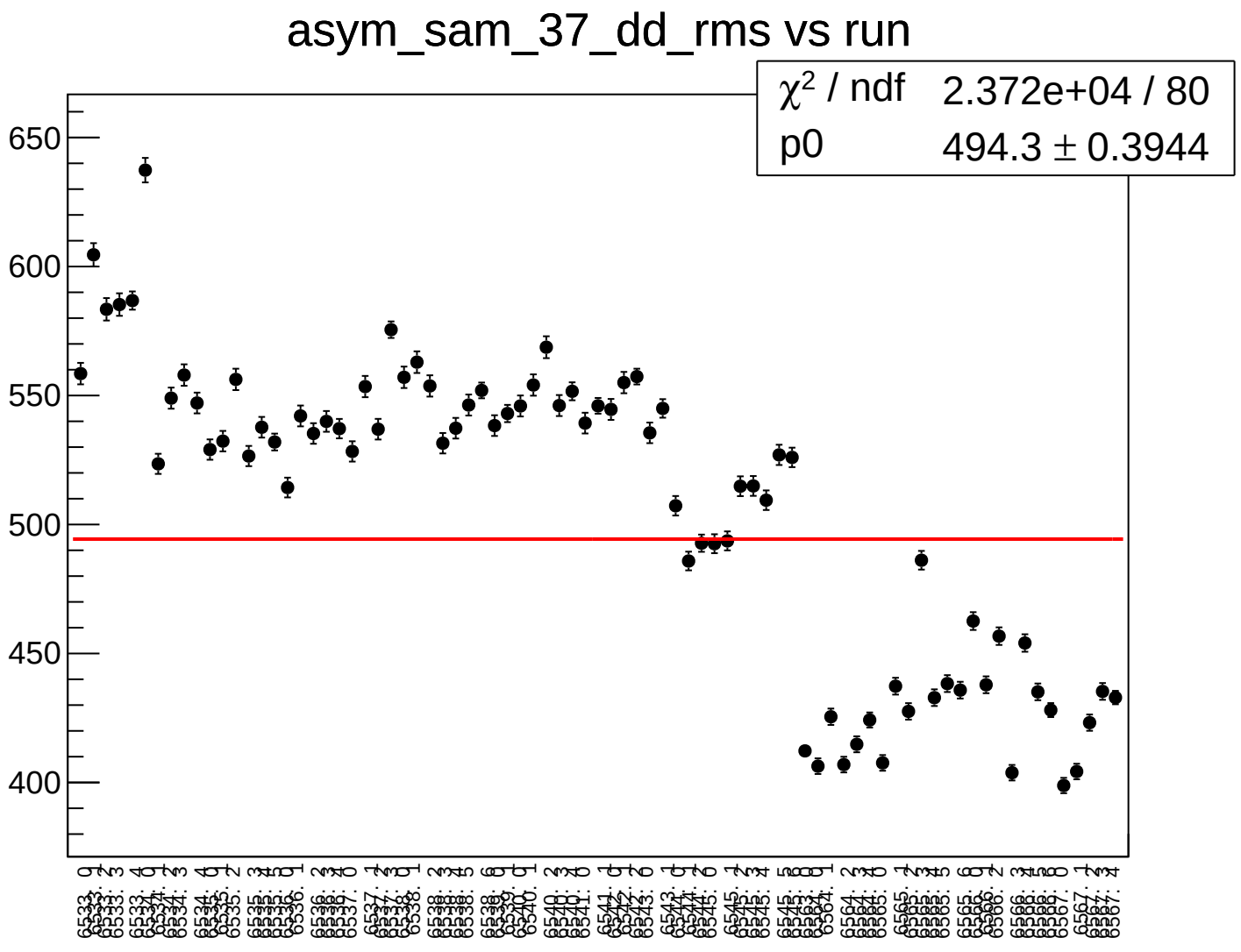

asym_sam_37_dd_correction_mean vs run
χ² / ndf 89.42 / 80
p0 −710.3 ± 549.6
pull
Entries 81
Mean −448.4
Std Dev 486.9

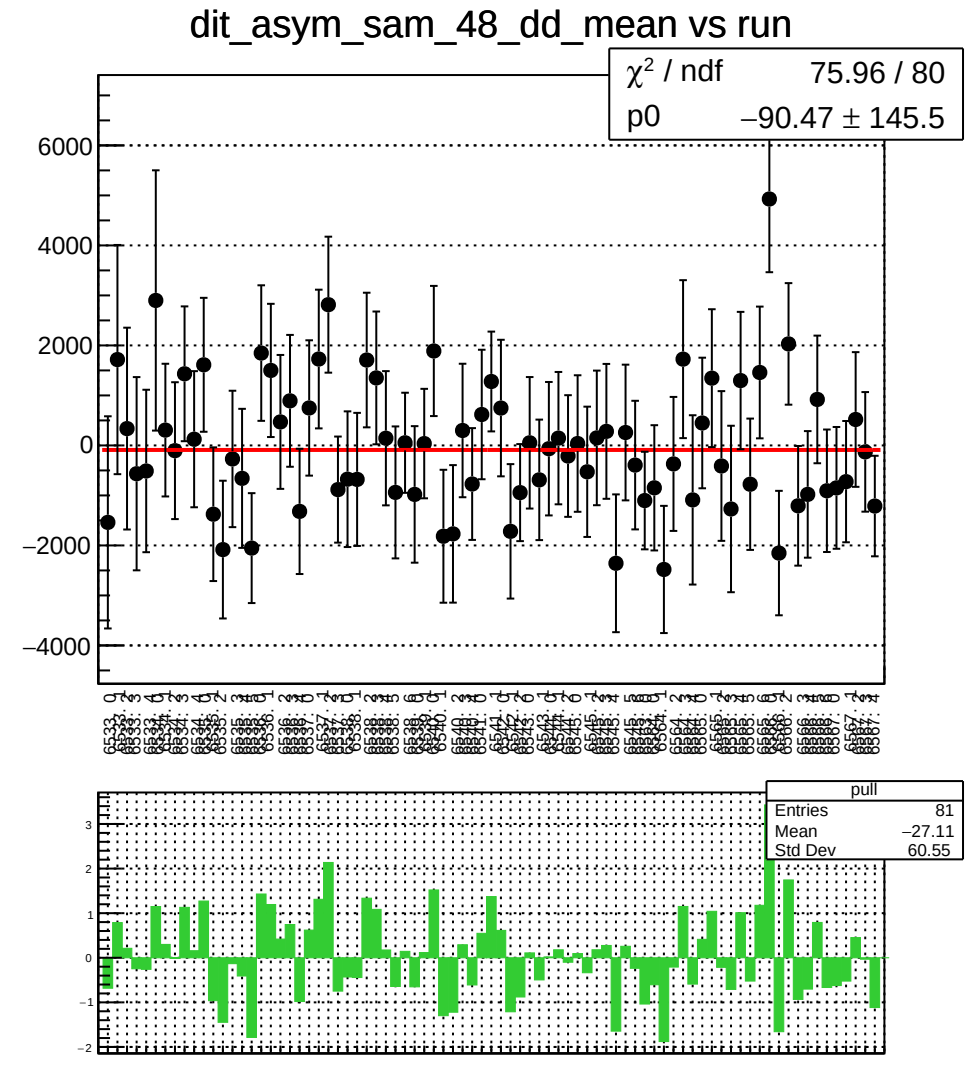

pull1D
Entries 81
Mean −0.005047
Std Dev 1.051

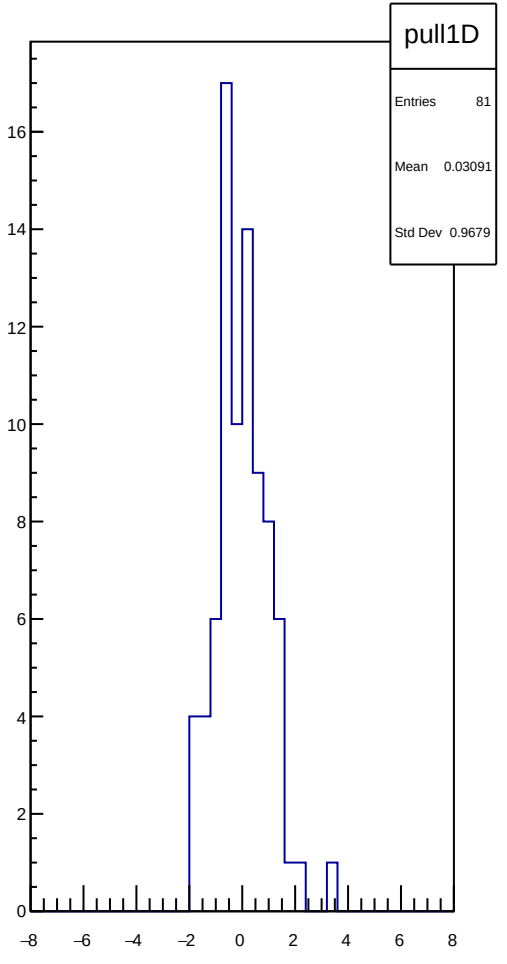

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2.735e+04 / 80
p0 486.6 ± 0.3886
600
550
500
450
400

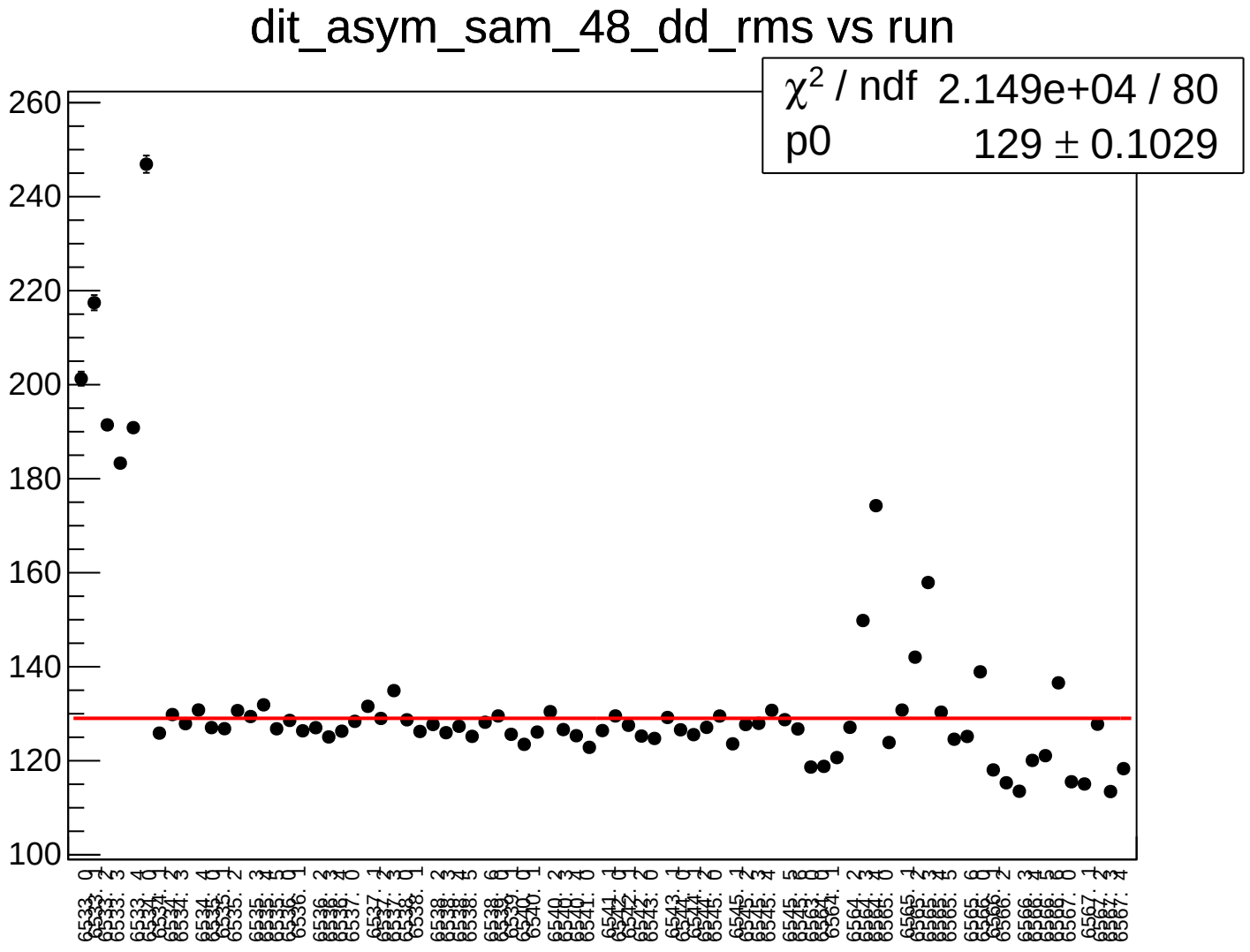

asym_sam_37_dd_mean vs run
χ² / ndf 87.46 / 80
p0 763.4 ± 557.8
pull
Entries 81
Mean −220.9
Std Dev 261.6

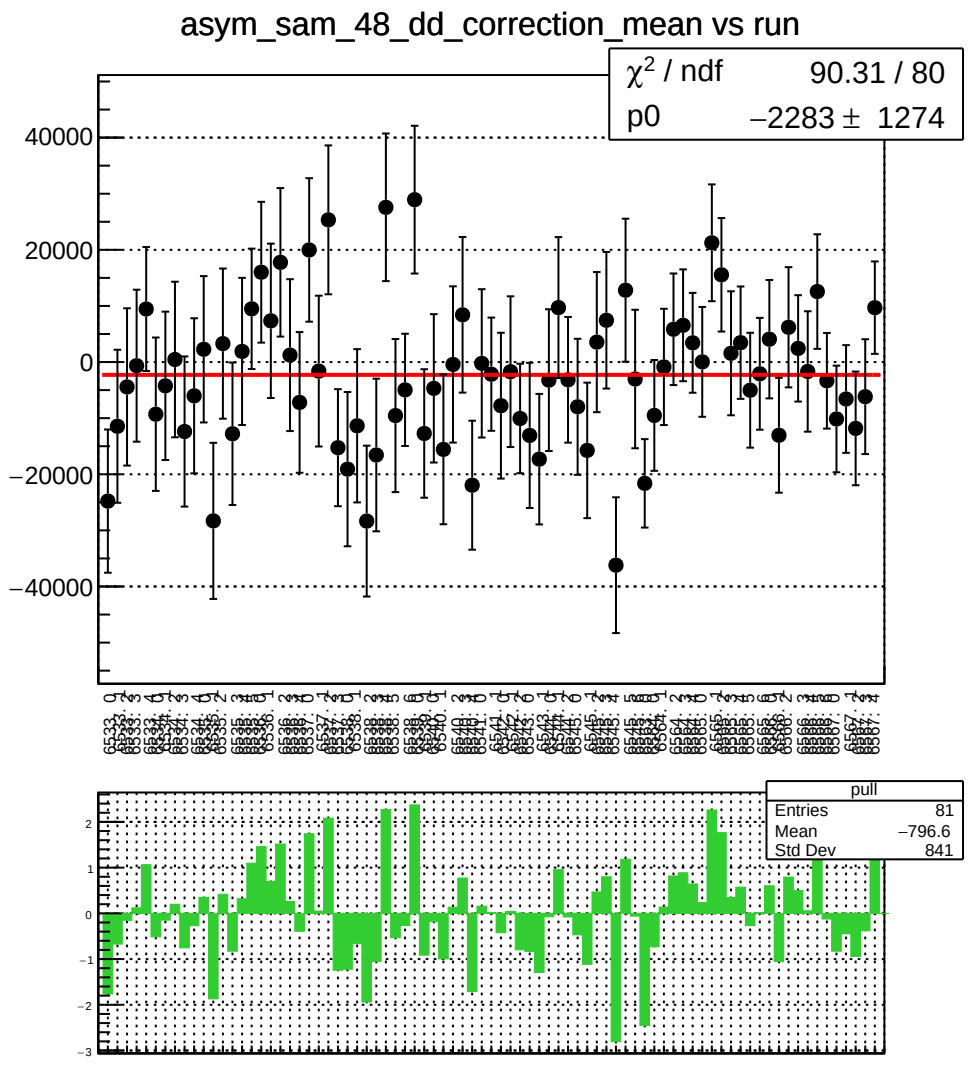

pull1D
Entries 81
Mean 0.01109
Std Dev 1.039

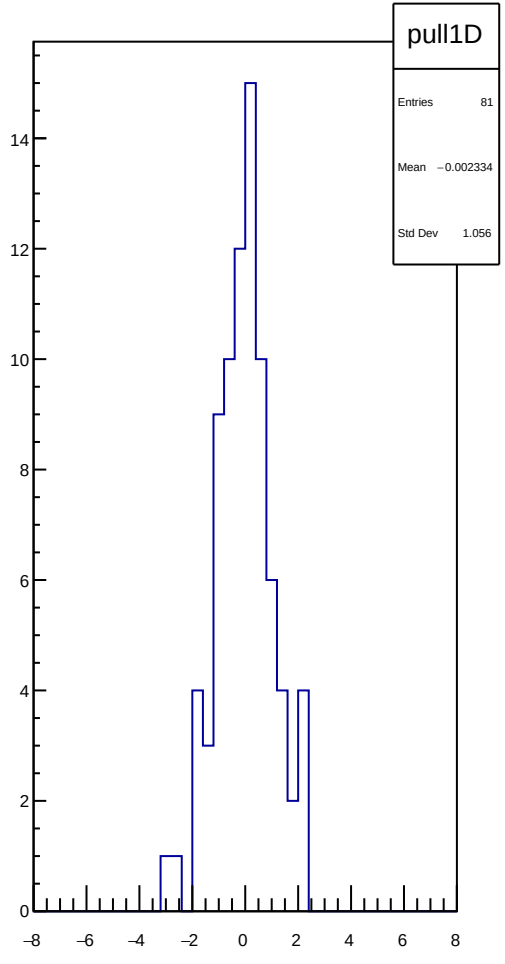

asym_sam_37_dd_rms vs run
χ² / ndf 2.372e+04 / 80
p0 494.3 ± 0.3944
650
600
550
500
450
400

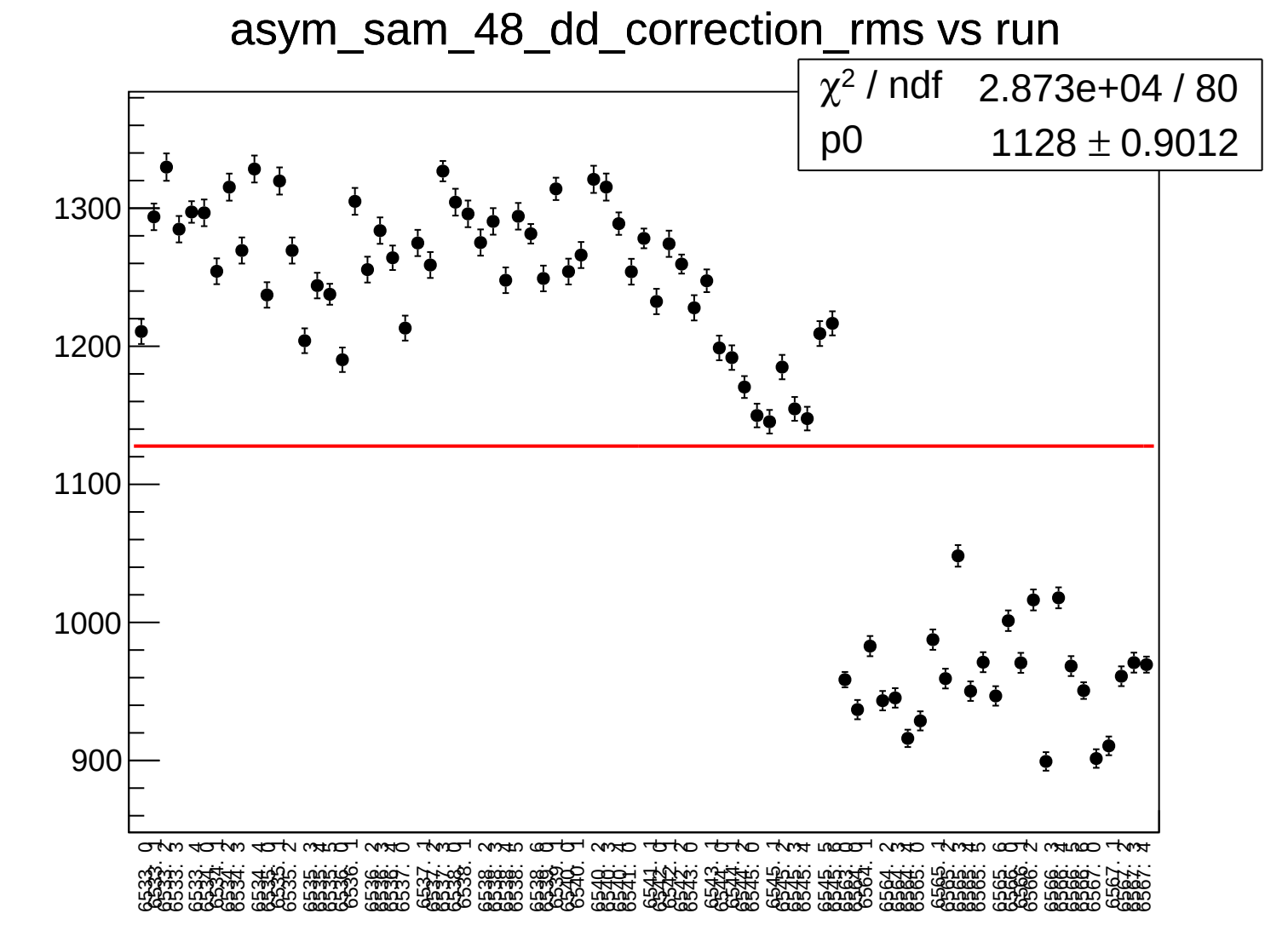

dit_asym_sam_48_dd_mean vs run
χ² / ndf 75.96 / 80
p0 −90.47 ± 145.5
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −27.11
Std Dev 60.55
3
2
1
0
−1
−2

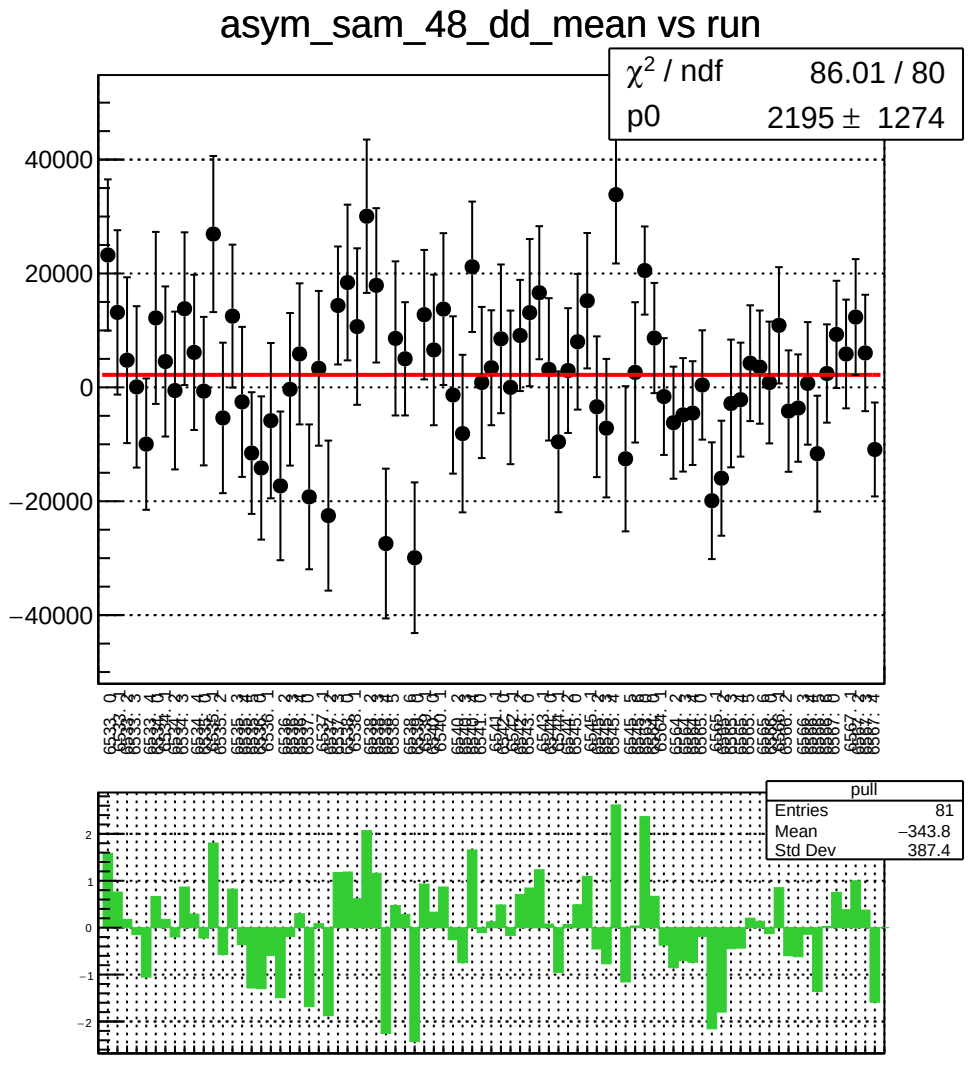

pull1D
Entries 81
Mean 0.03091
Std Dev 0.9679
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

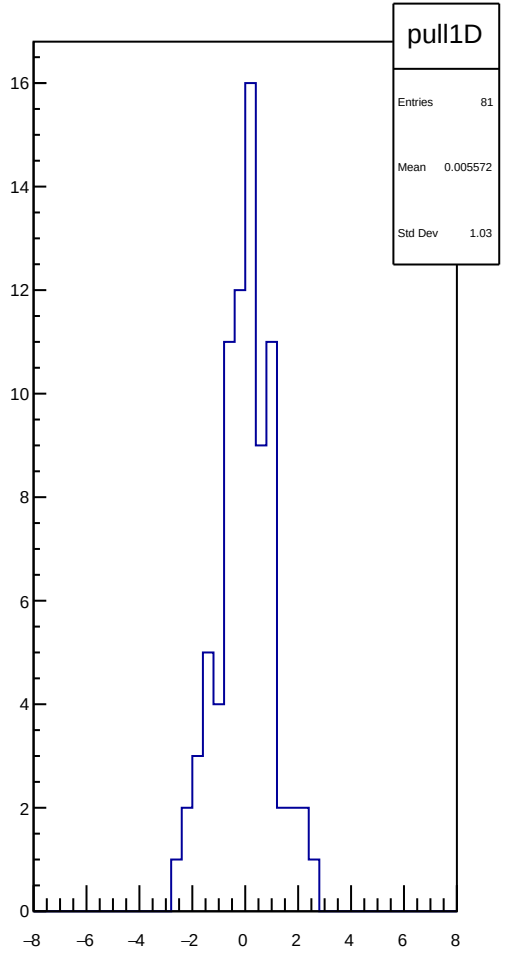

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 2.149e+04 / 80
p0 129 ± 0.1029
260
240
220
200
180
160
140
120
100

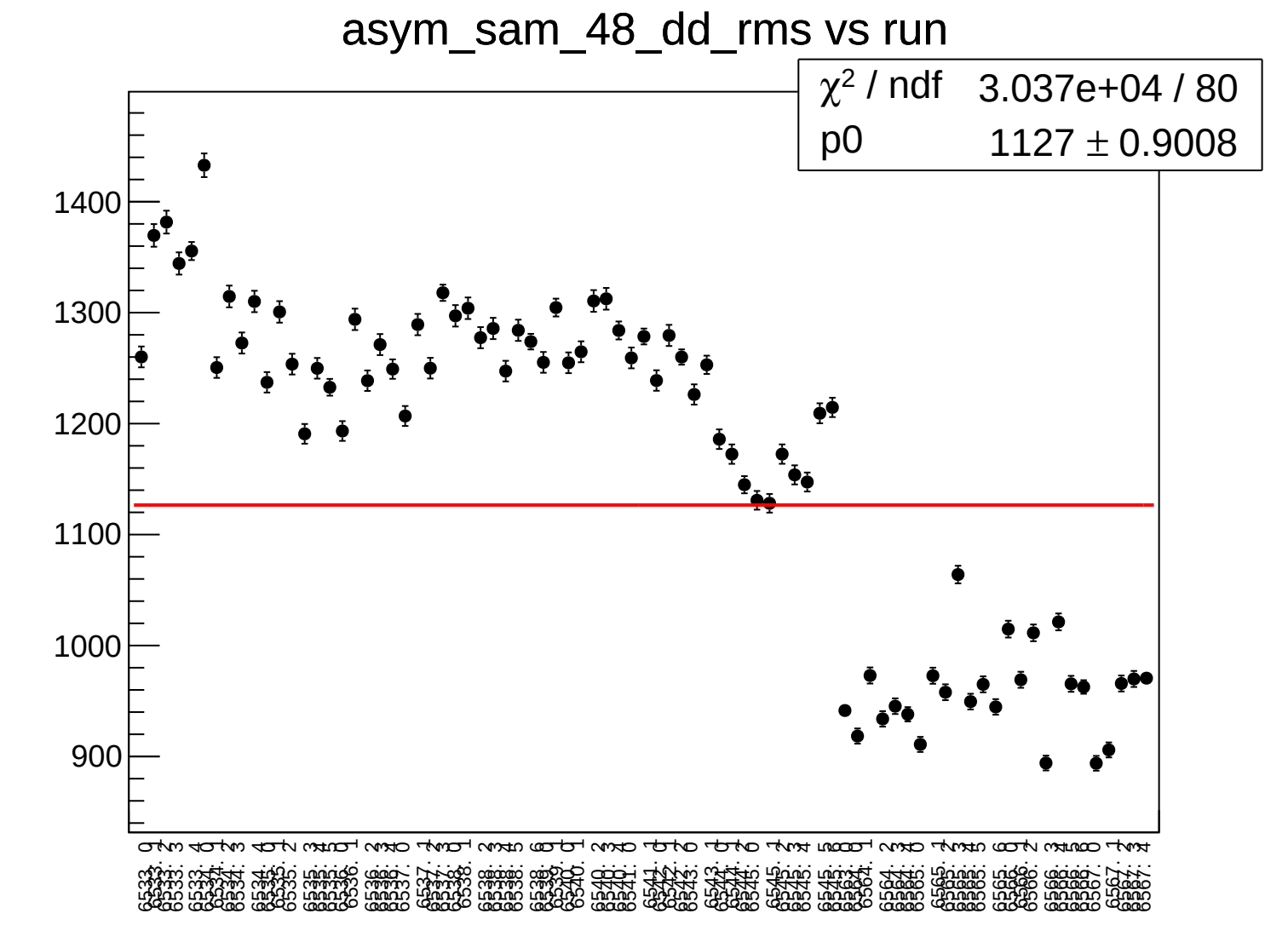

asym_sam_48_dd_correction_mean vs run
χ² / ndf 90.31 / 80
p0 −2283 ± 1274
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −796.6
Std Dev 841
2
1
0
−1
−2
−3

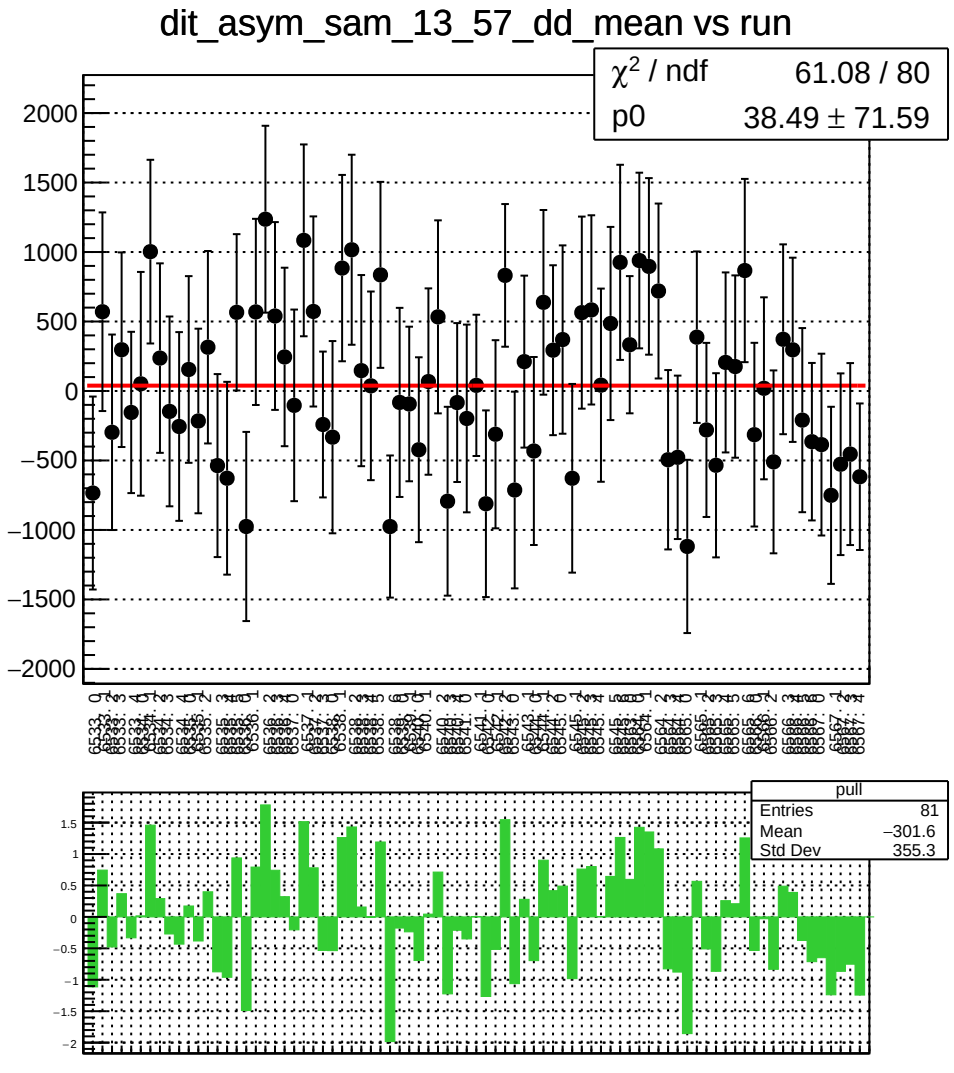

pull1D
Entries 81
Mean −0.002334
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

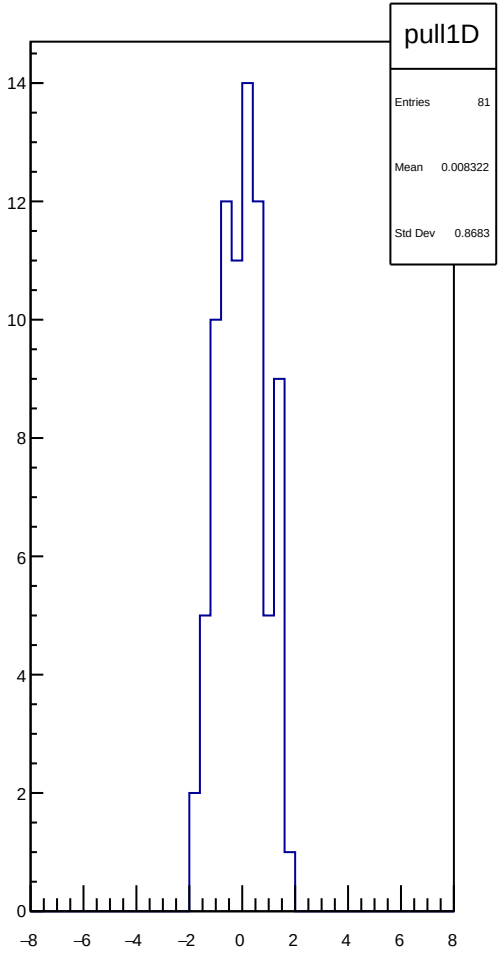

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2.873e+04 / 80
p0 1128 ± 0.9012
1300
1200
1100
1000
900

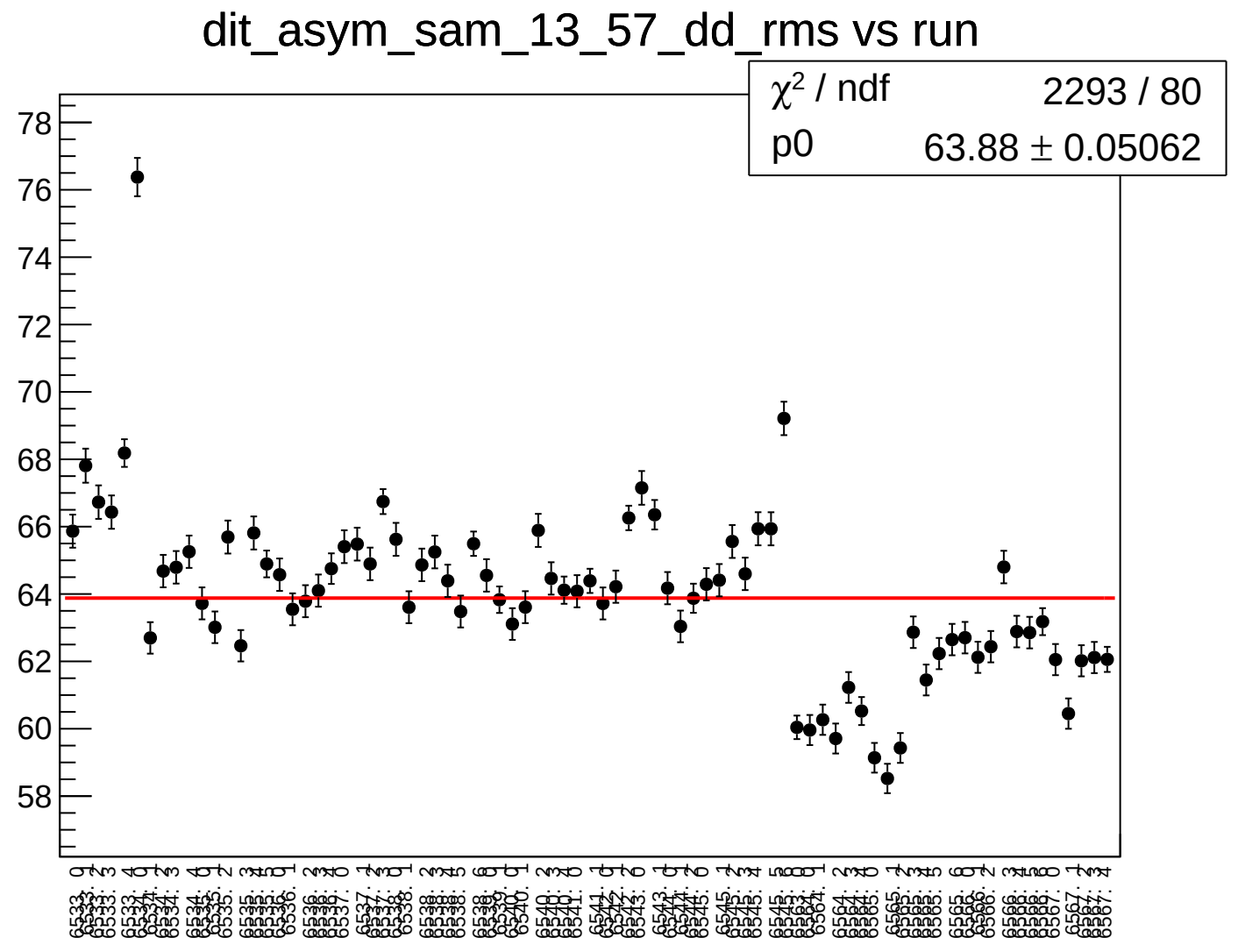

asym_sam_48_dd_mean vs run
χ² / ndf 86.01 / 80
p0 2195 ± 1274
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −343.8
Std Dev 387.4
2
1
0
−1
−2

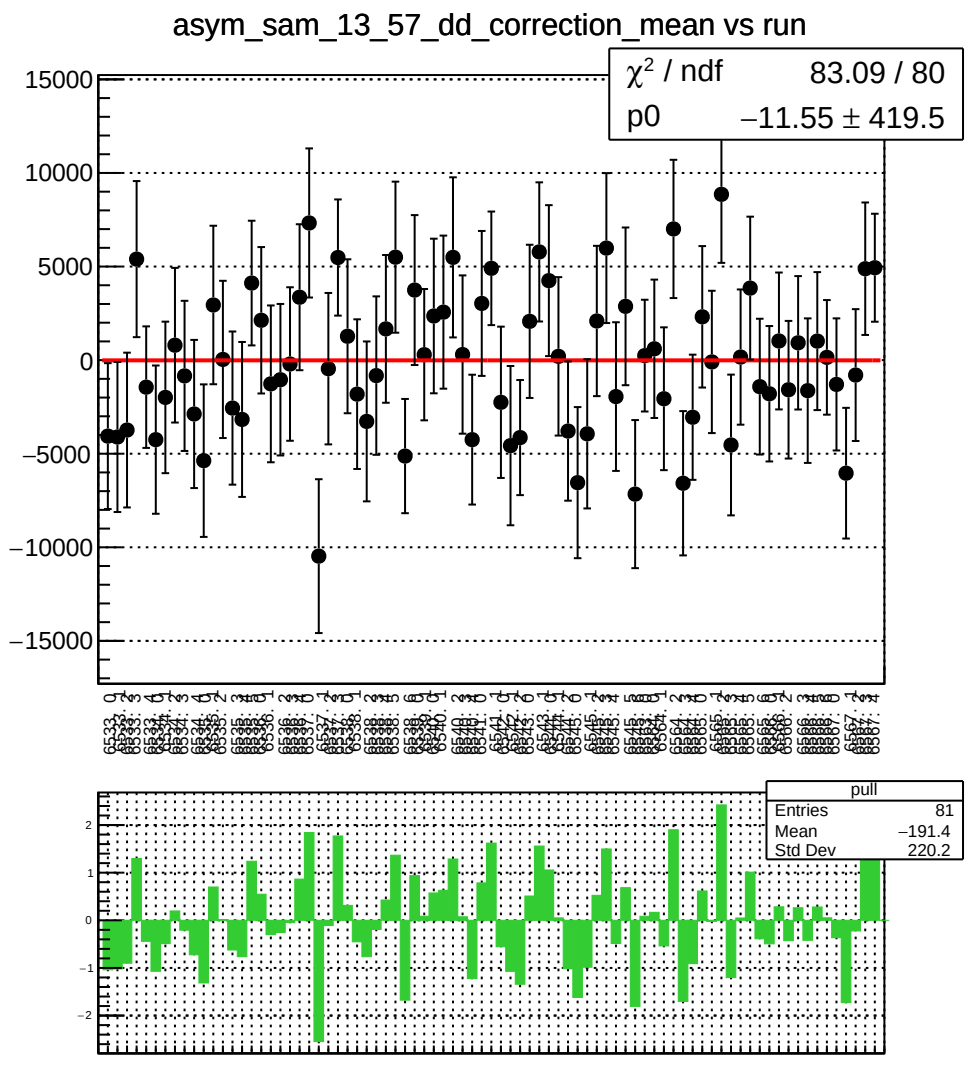

pull1D
Entries 81
Mean 0.005572
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

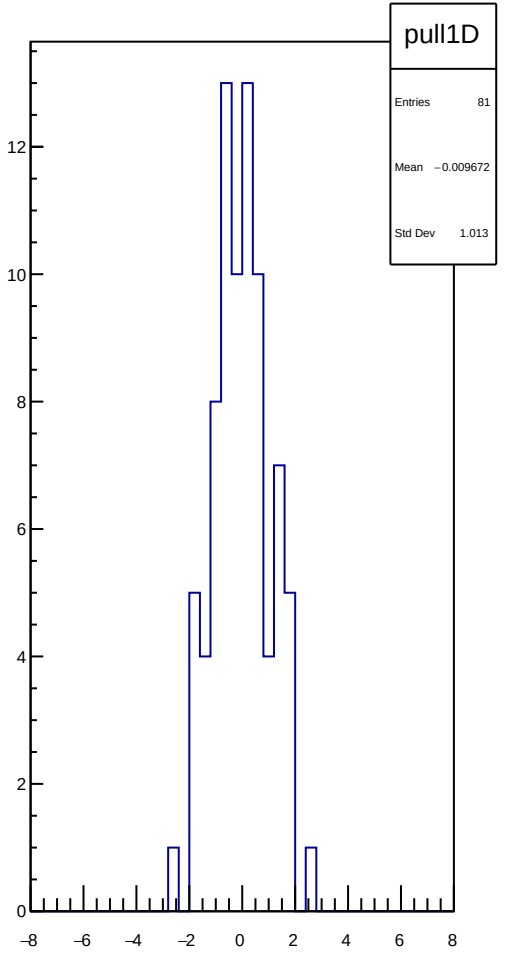

asym_sam_48_dd_rms vs run
χ² / ndf 3.037e+04 / 80
p0 1127 ± 0.9008
1400
1300
1200
1100
1000
900

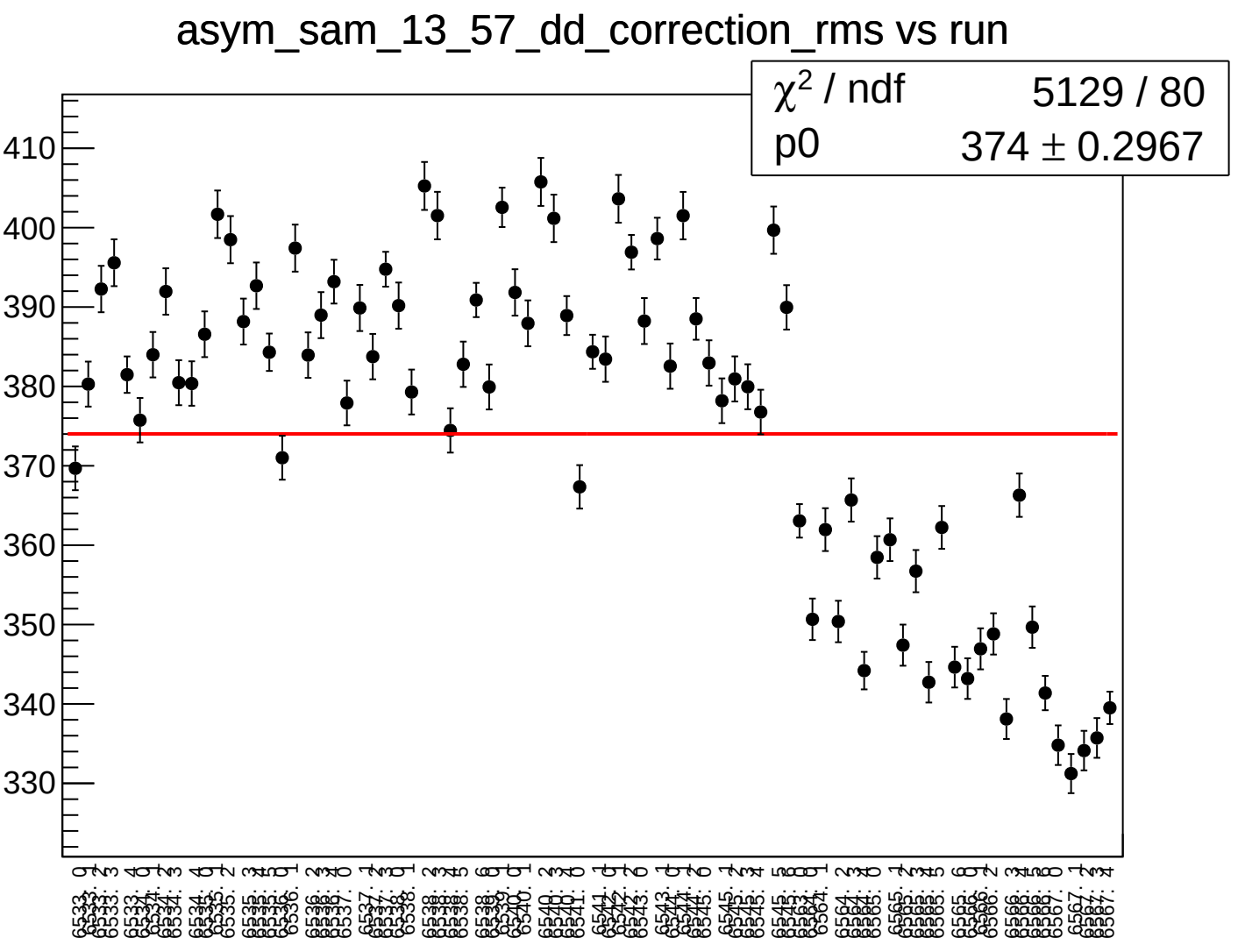

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 61.08 / 80
p0 38.49 ± 71.59
pull
Entries 81
Mean −301.6
Std Dev 355.3

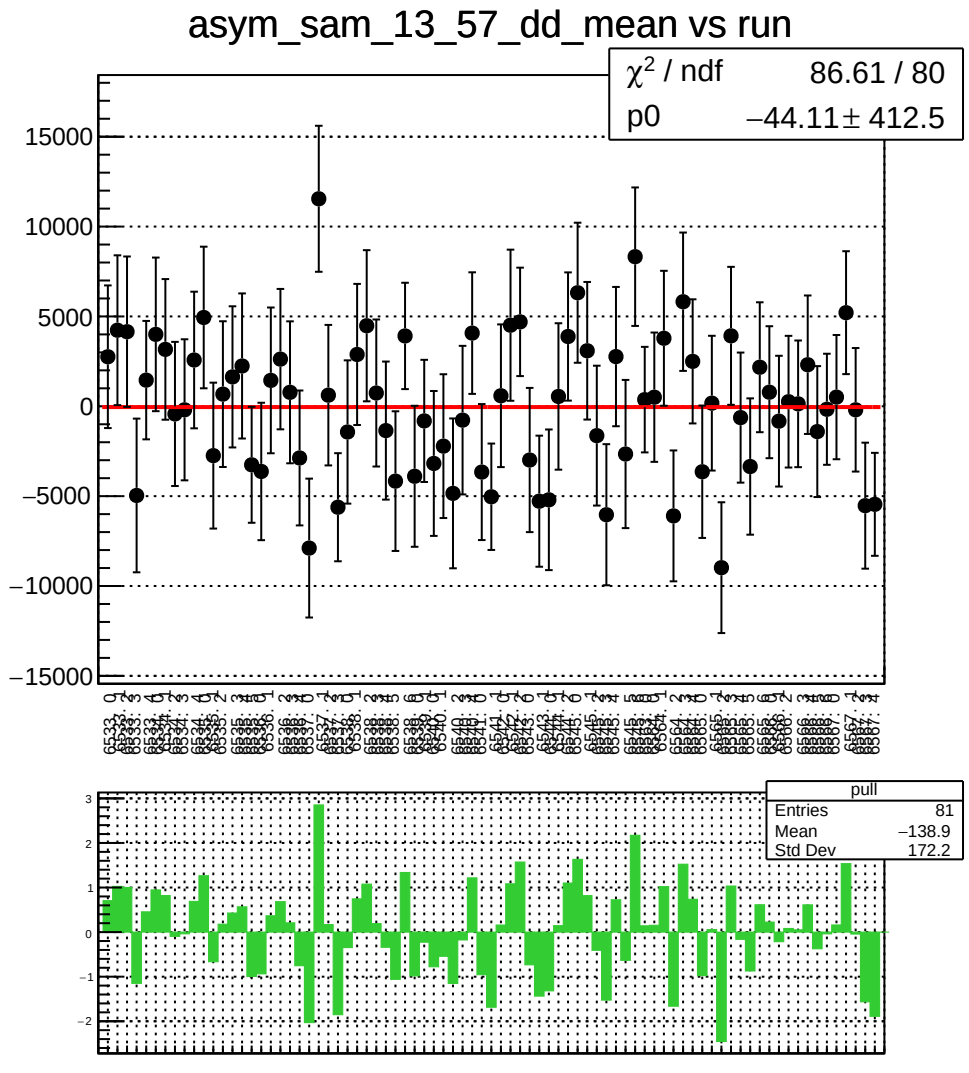

pull1D
Entries 81
Mean 0.008322
Std Dev 0.8683

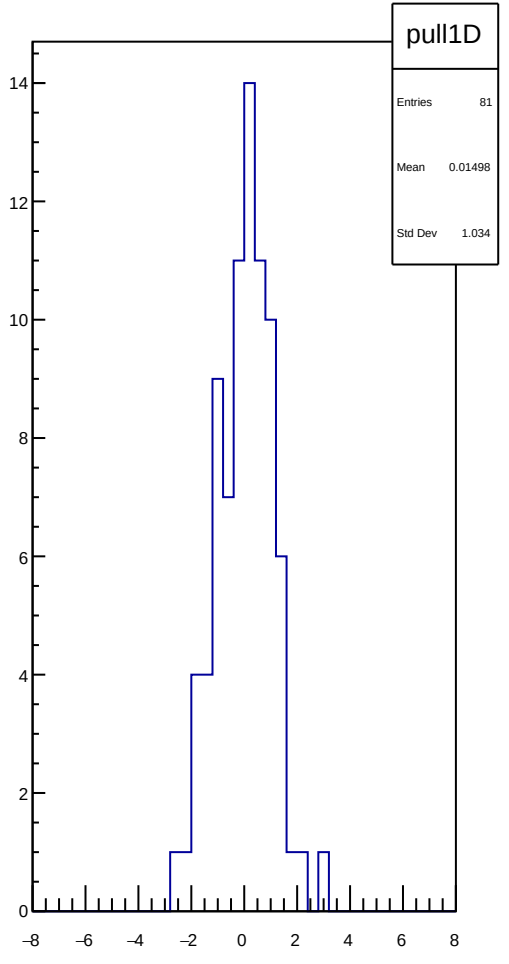

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2293 / 80
p0 63.88 ± 0.05062
78
76
74
72
70
68
66
64
62
60
58

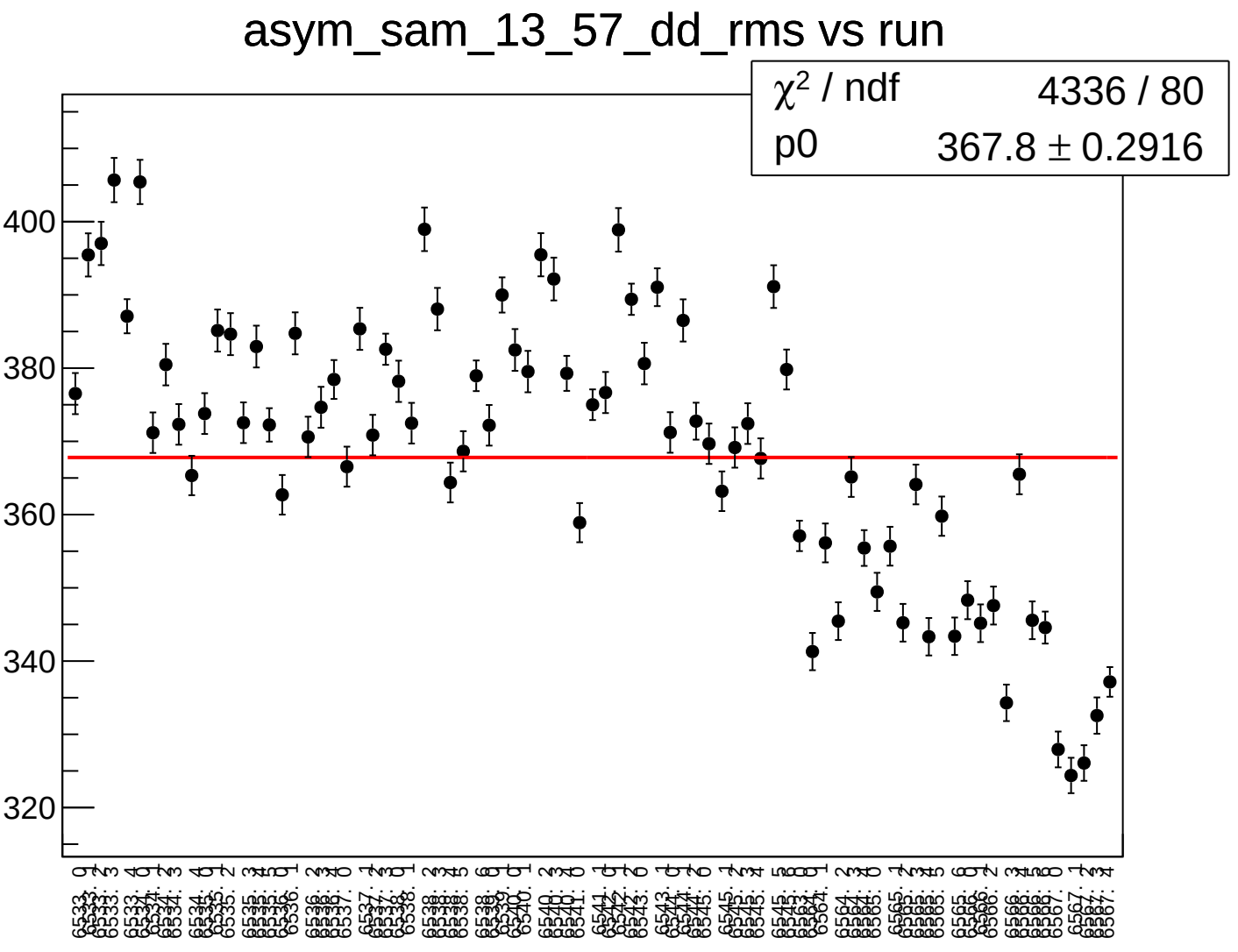

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 83.09 / 80
p0 −11.55 ± 419.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −191.4
Std Dev 220.2
2
1
0
−1
−2

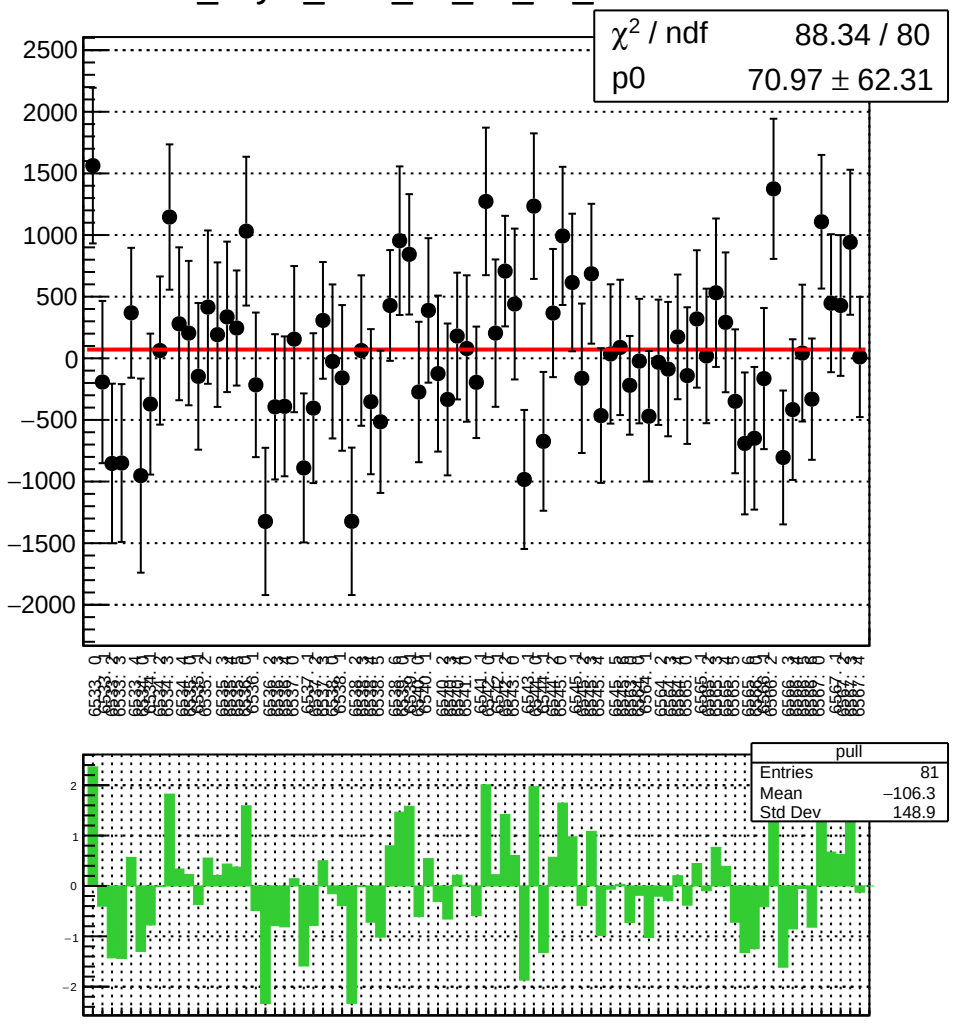

pull1D
Entries 81
Mean −0.009672
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

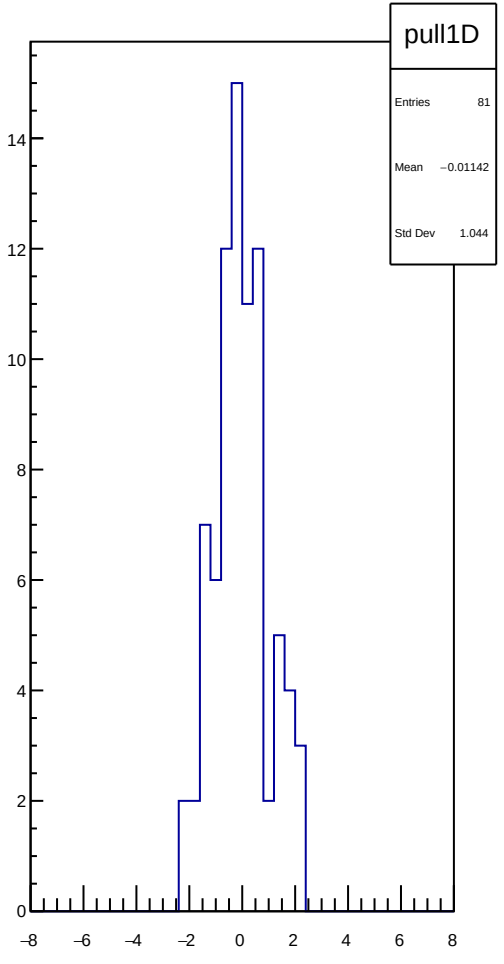

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 5129 / 80
p0 374 ± 0.2967
410
400
390
380
370
360
350
340
330

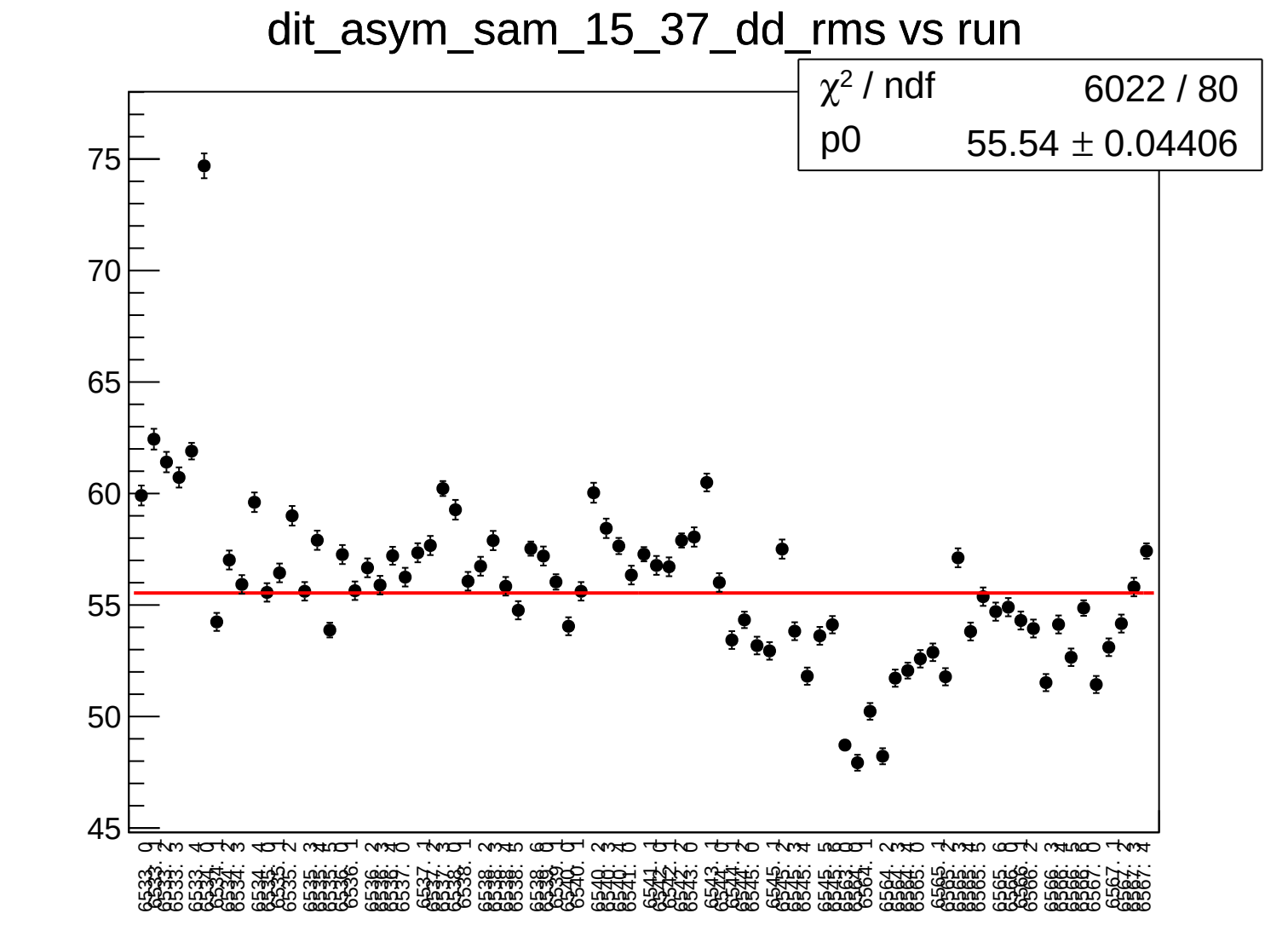

asym_sam_13_57_dd_mean vs run
χ² / ndf 86.61 / 80
p0 −44.11 ± 412.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −138.9
Std Dev 172.2
3
2
1
0
−1
−2

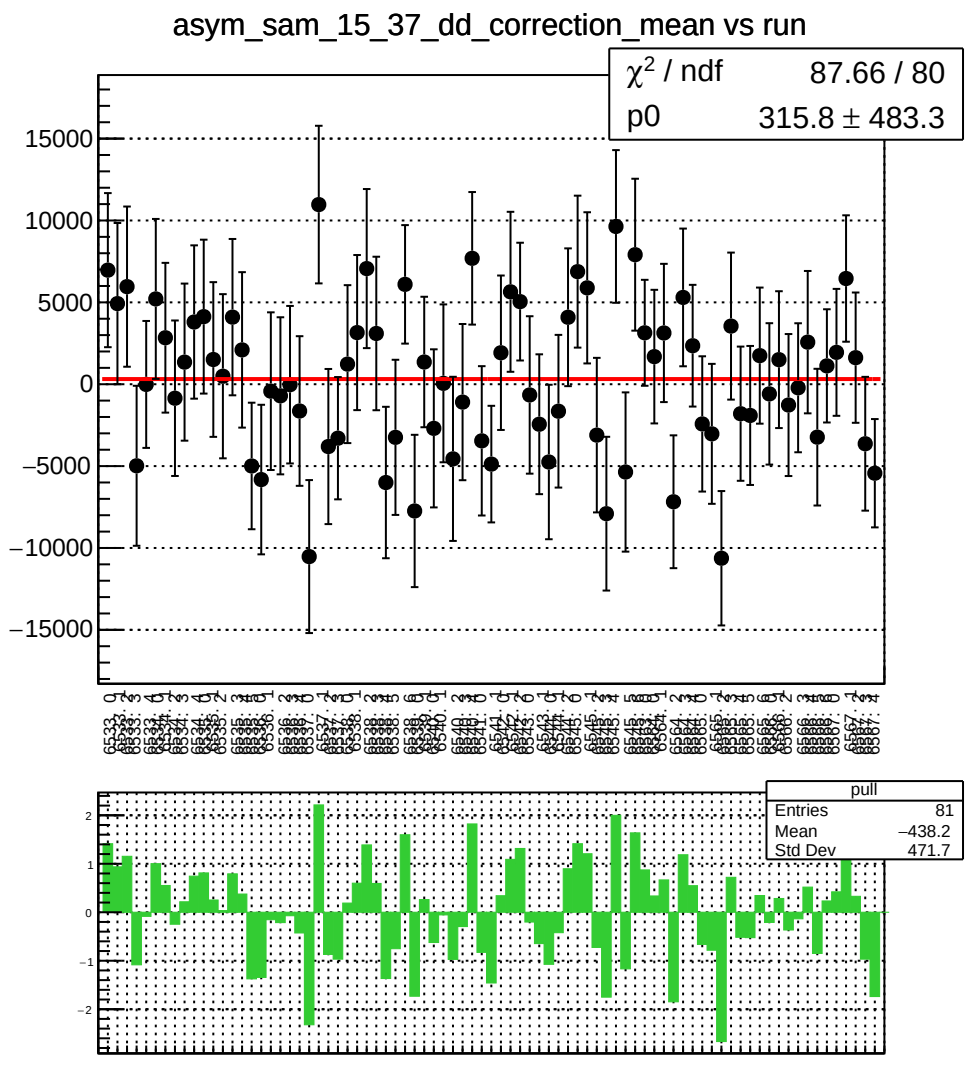

pull1D
Entries 81
Mean 0.01498
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

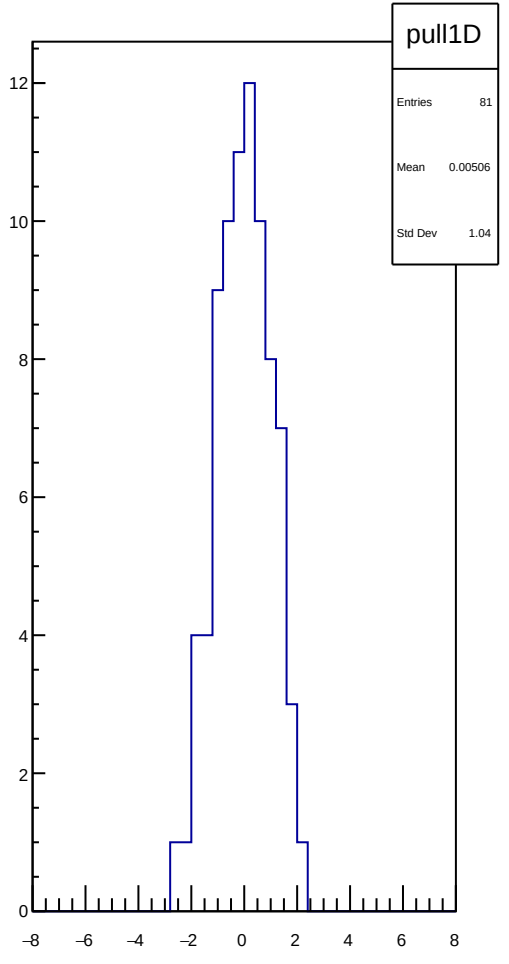

asym_sam_13_57_dd_rms vs run
χ² / ndf 4336 / 80
p0 367.8 ± 0.2916
400
380
360
340
320

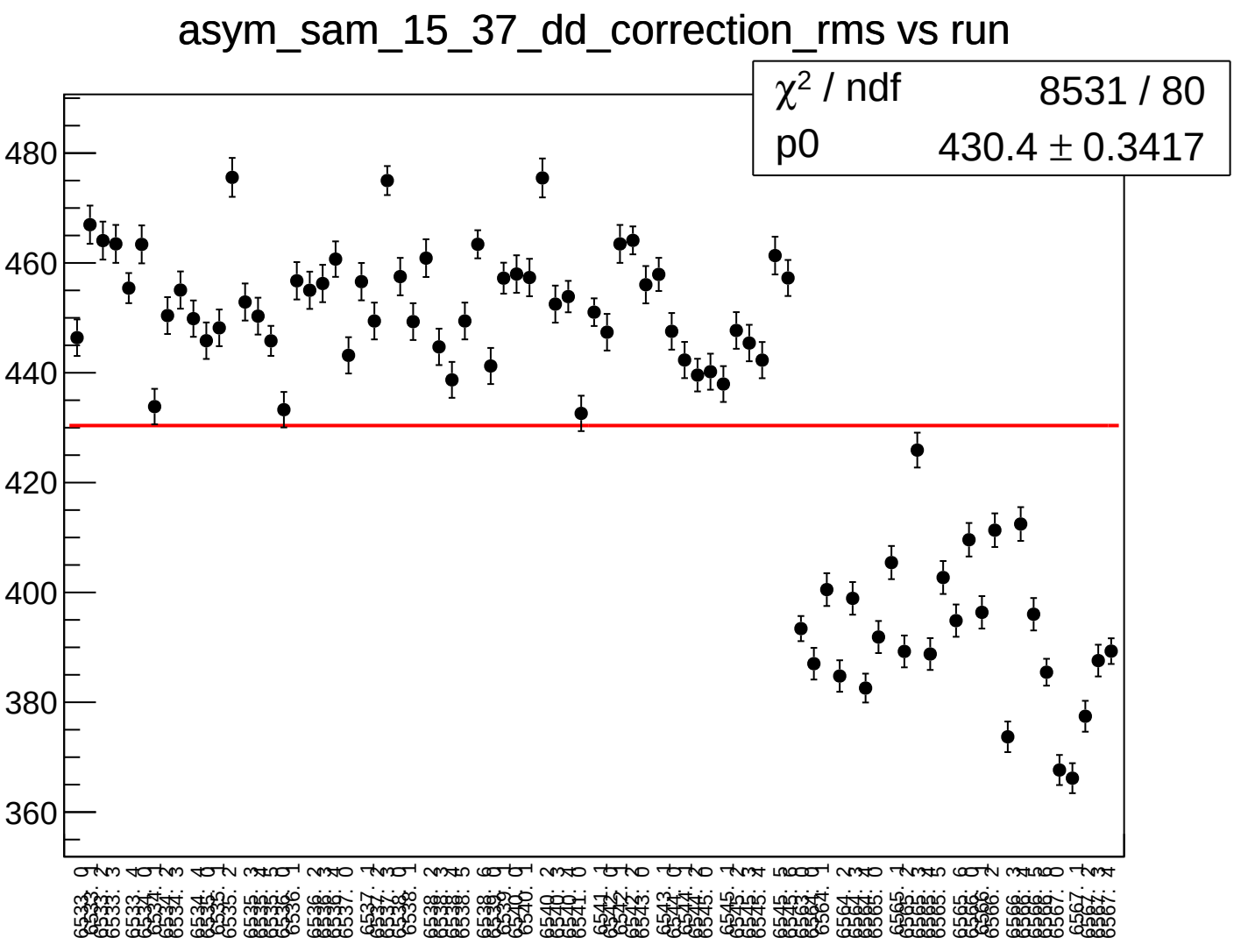

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 88.34 / 80
p0 70.97 ± 62.31
pull
Entries 81
Mean −106.3
Std Dev 148.9

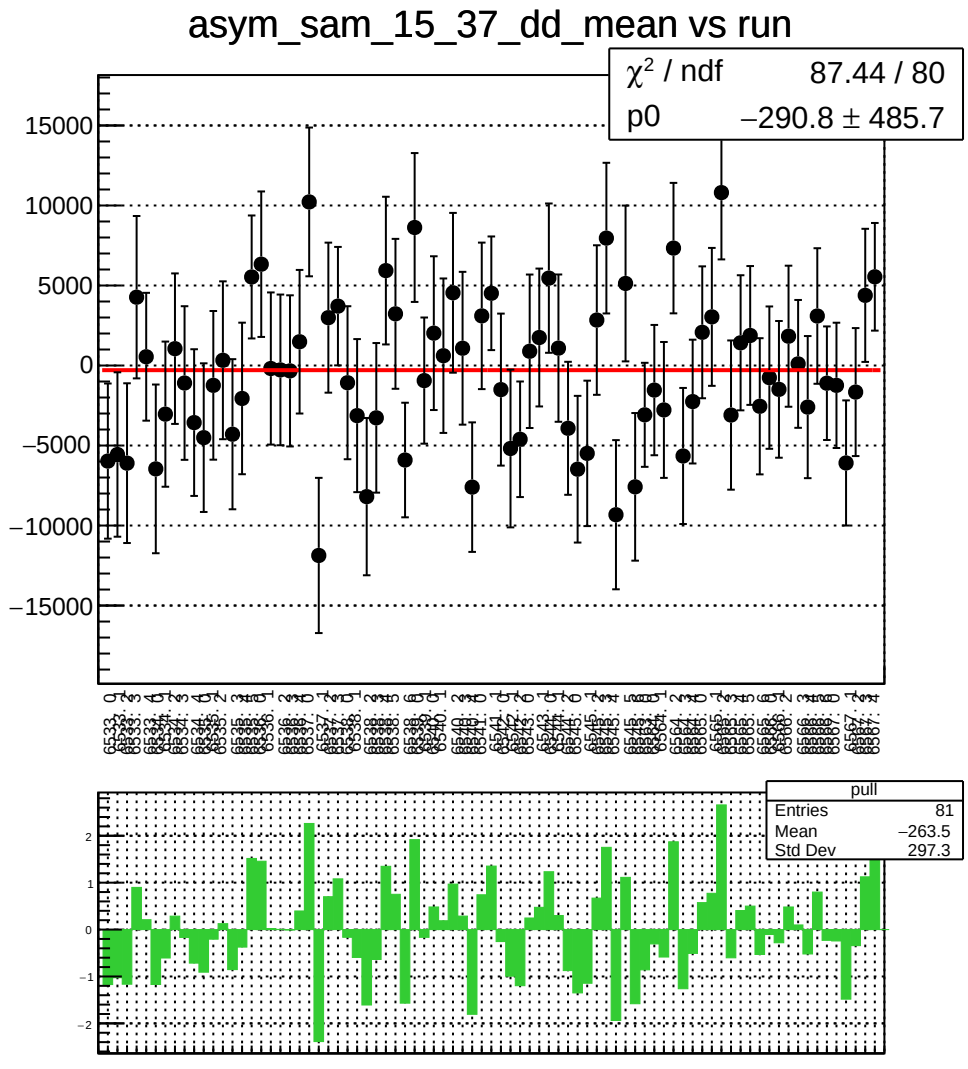

pull1D
Entries 81
Mean −0.01142
Std Dev 1.044

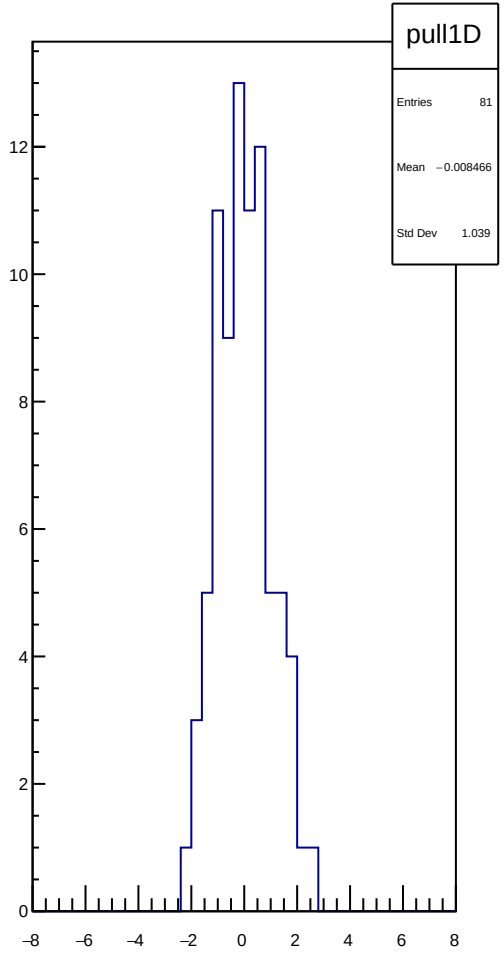

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 6022 / 80
p0 55.54 ± 0.04406
75
70
65
60
55
50
45

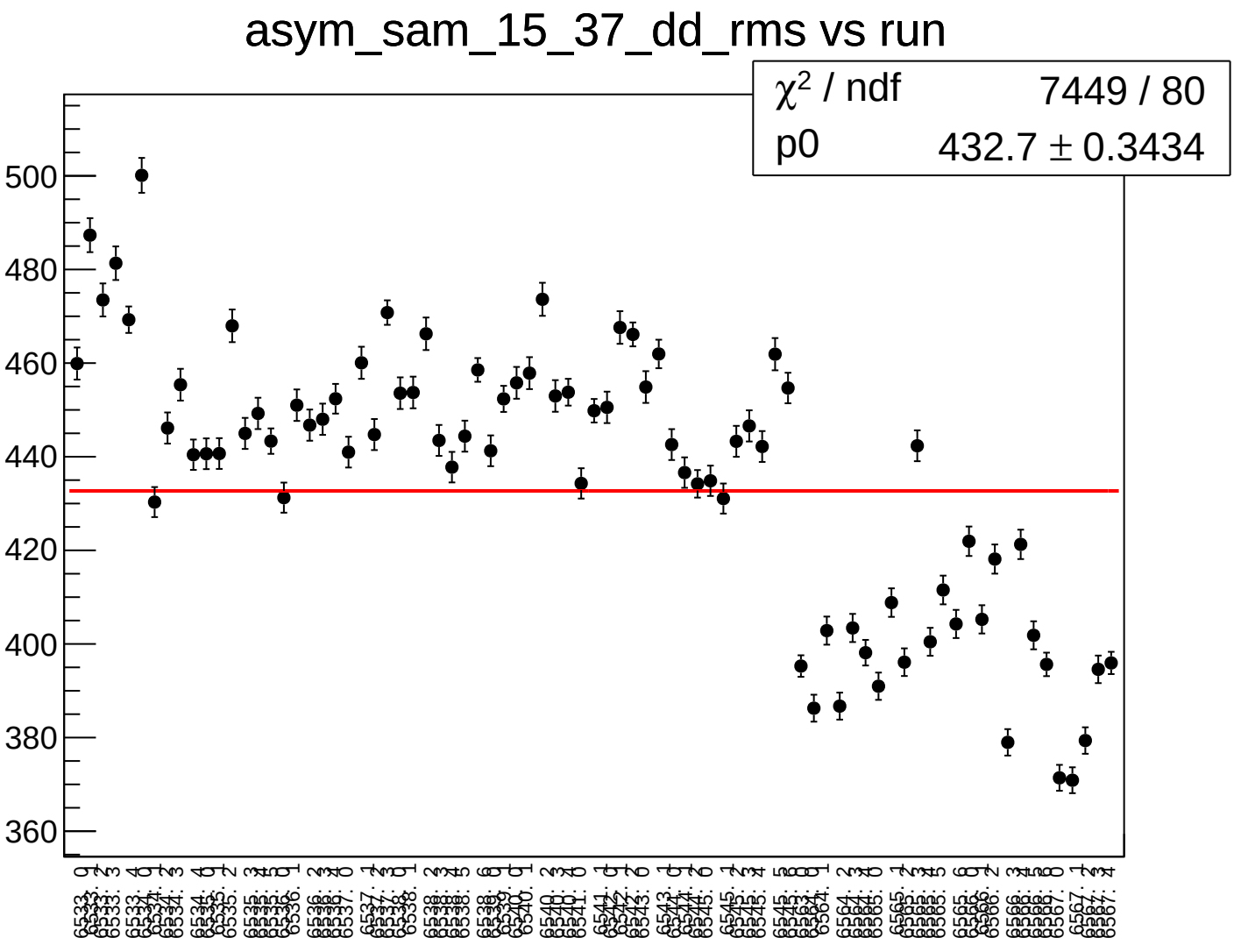

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 87.66 / 80
p0 315.8 ± 483.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −438.2
Std Dev 471.7
2
1
0
−1
−2

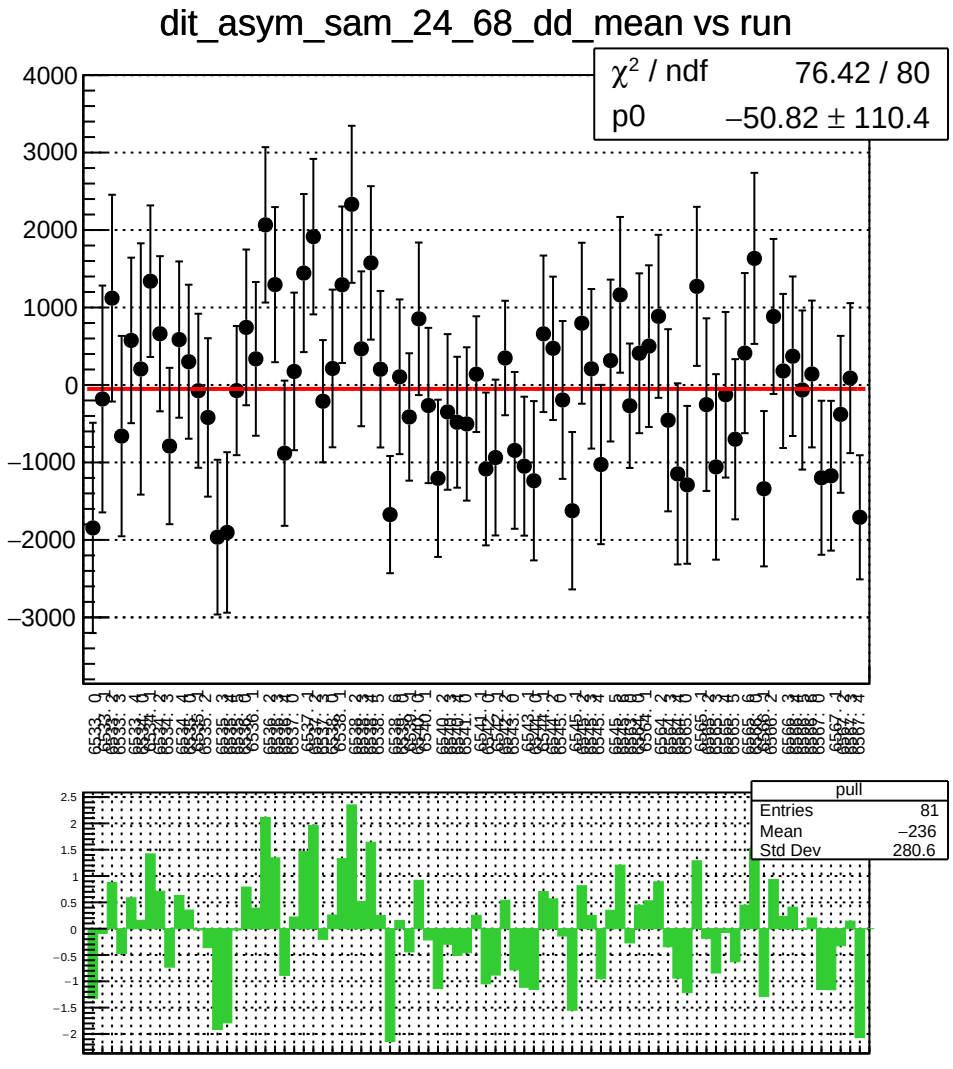

pull1D
Entries 81
Mean 0.00506
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

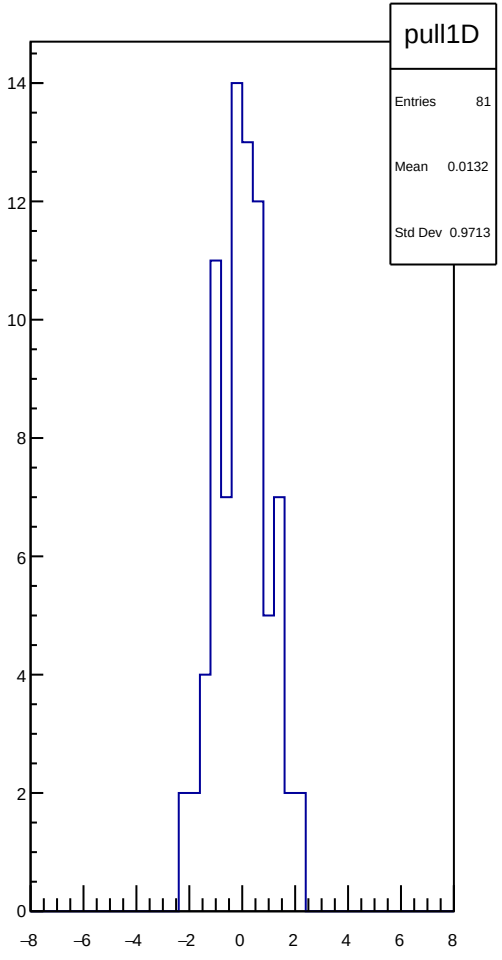

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 8531 / 80
p0 430.4 ± 0.3417
480
460
440
420
400
380
360

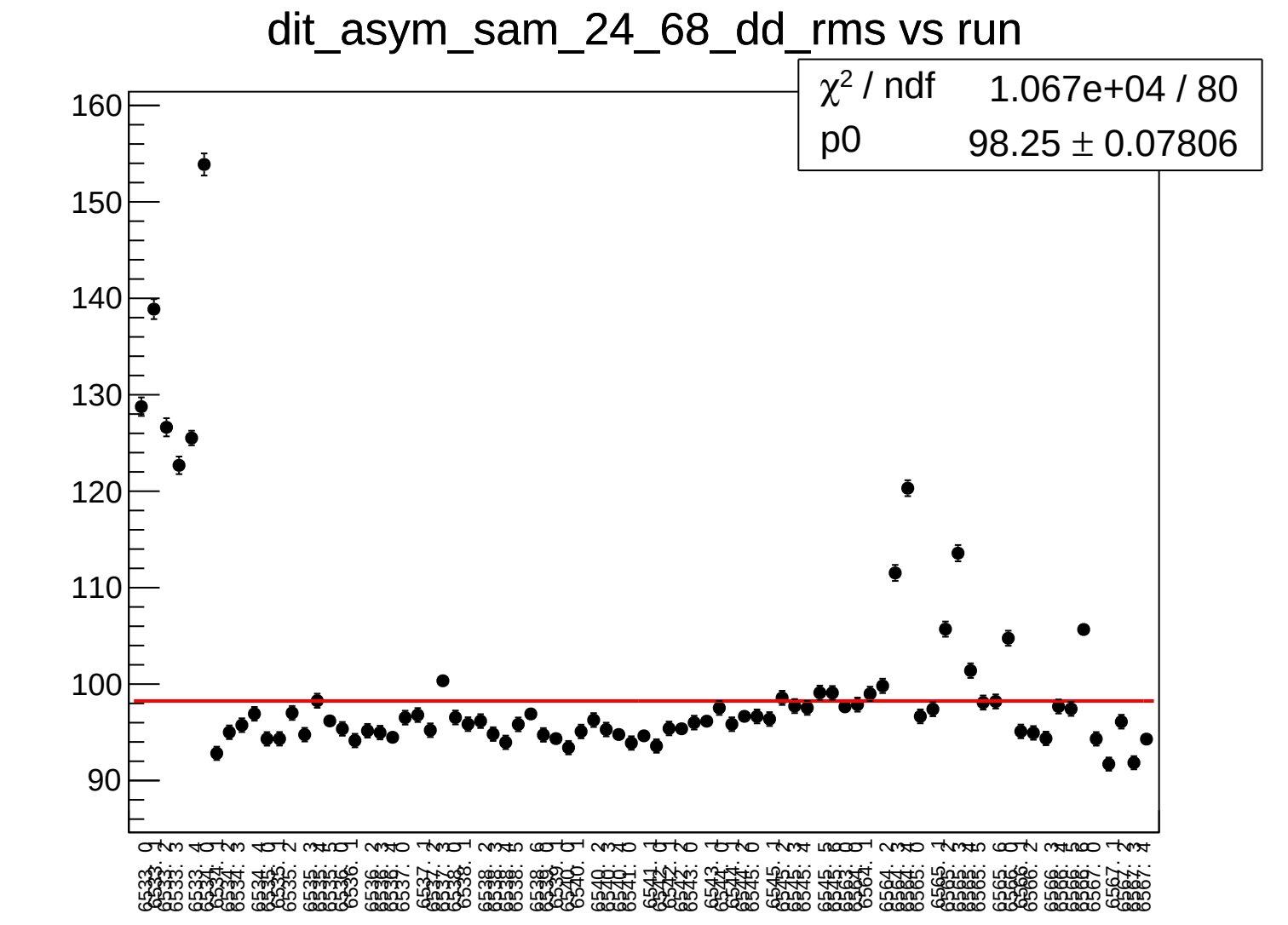

asym_sam_15_37_dd_mean vs run
χ² / ndf 87.44 / 80
p0 −290.8 ± 485.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −263.5
Std Dev 297.3
2
1
0
−1
−2

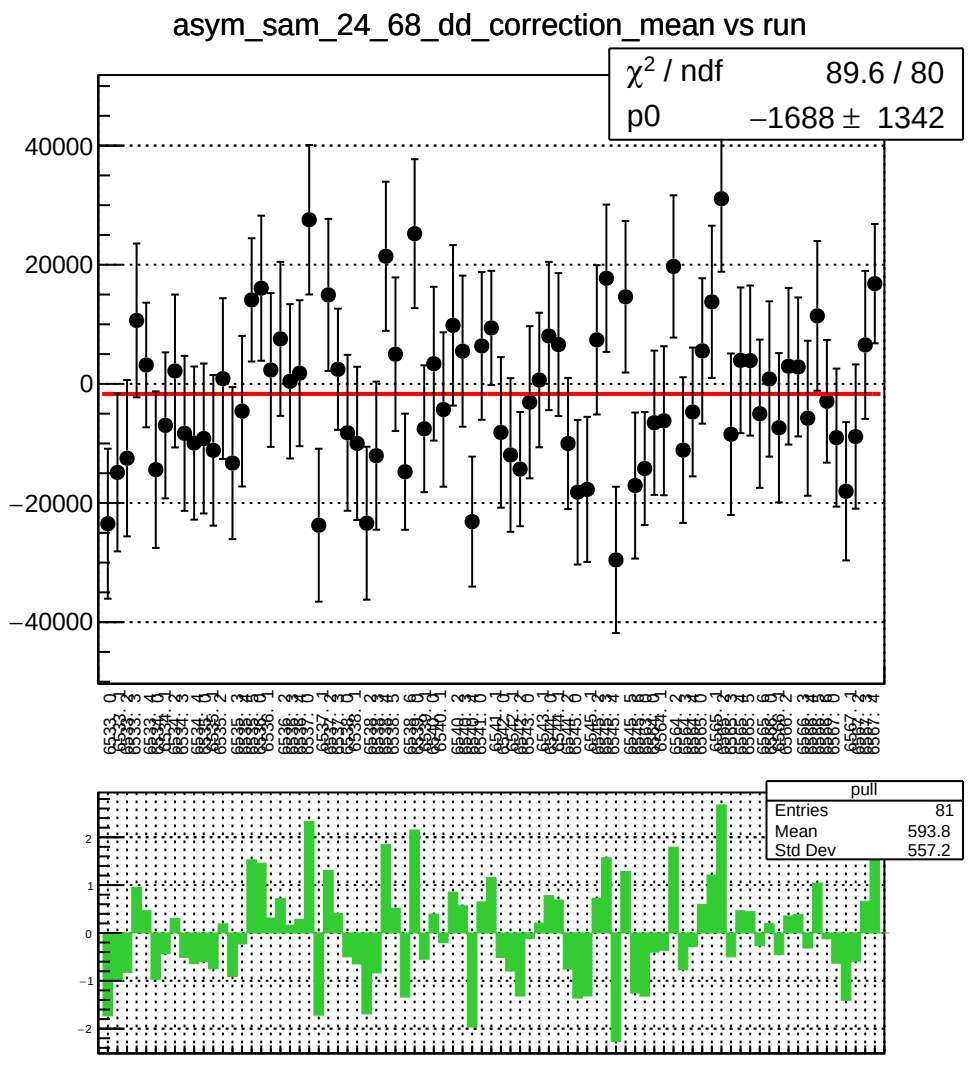

pull1D
Entries 81
Mean −0.008466
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

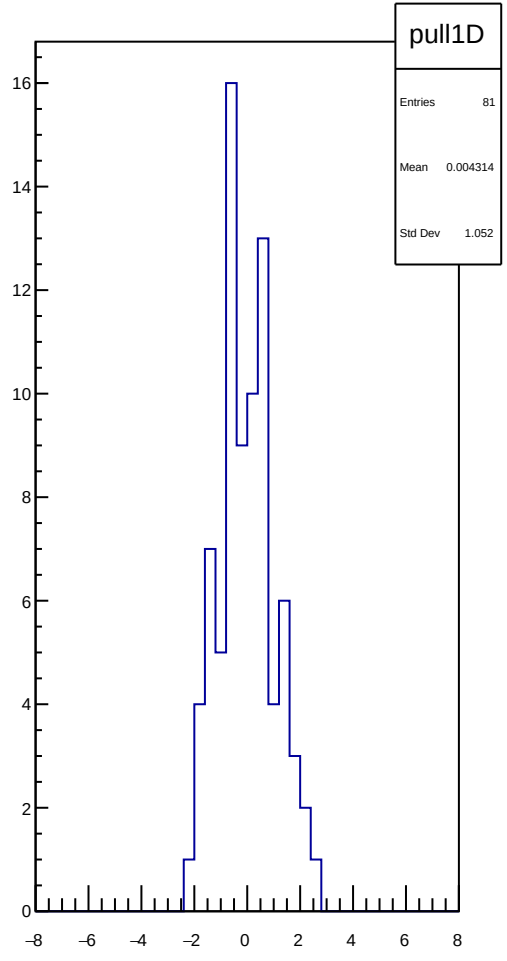

asym_sam_15_37_dd_rms vs run
χ² / ndf 7449 / 80
p0 432.7 ± 0.3434
500
480
460
440
420
400
380
360

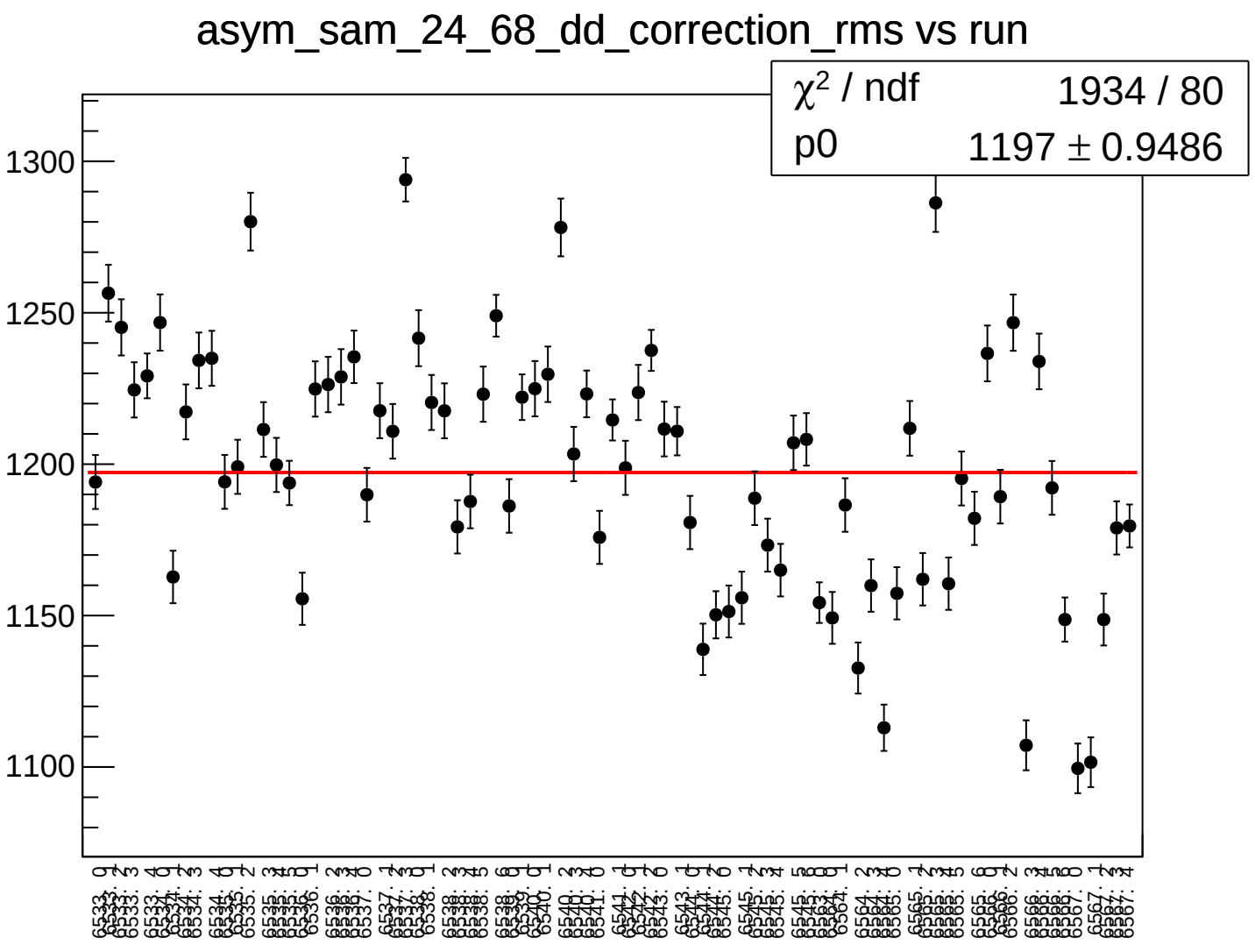

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 76.42 / 80
p0 −50.82 ± 110.4
pull
Entries 81
Mean −236
Std Dev 280.6

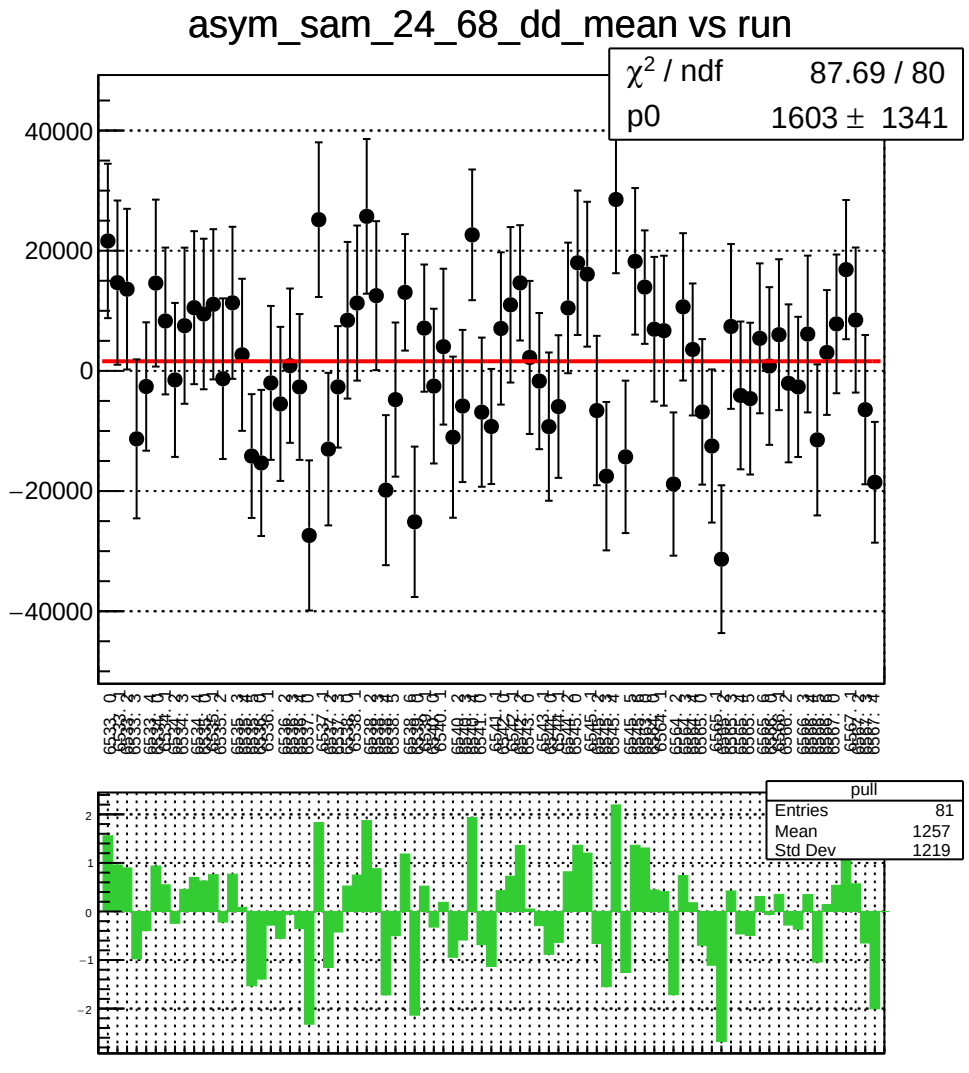

pull1D
Entries 81
Mean 0.0132
Std Dev 0.9713

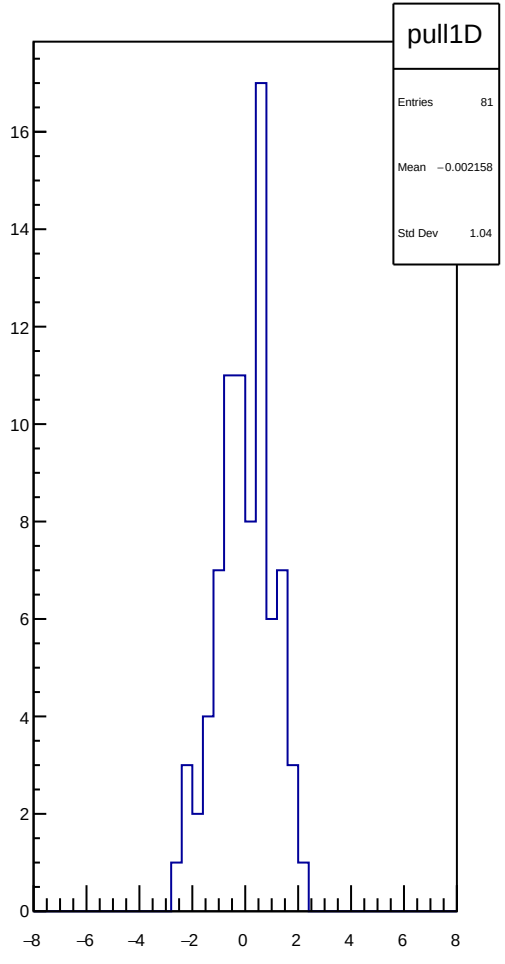

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.067e+04 / 80
p0 98.25 ± 0.07806
160
150
140
130
120
110
100
90

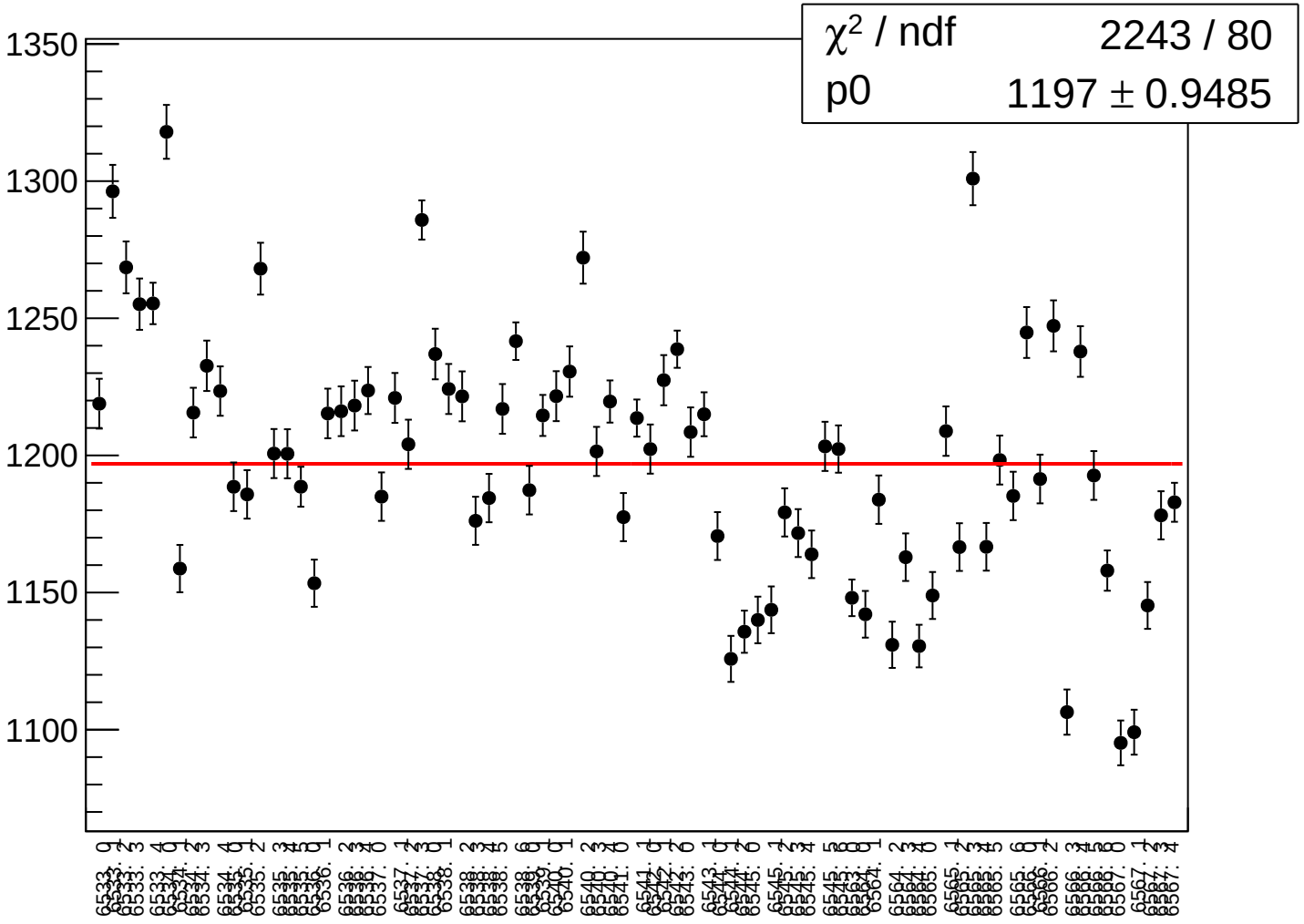

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 89.6 / 80
p0 −1688 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 593.8
Std Dev 557.2
2
1
0
−1
−2

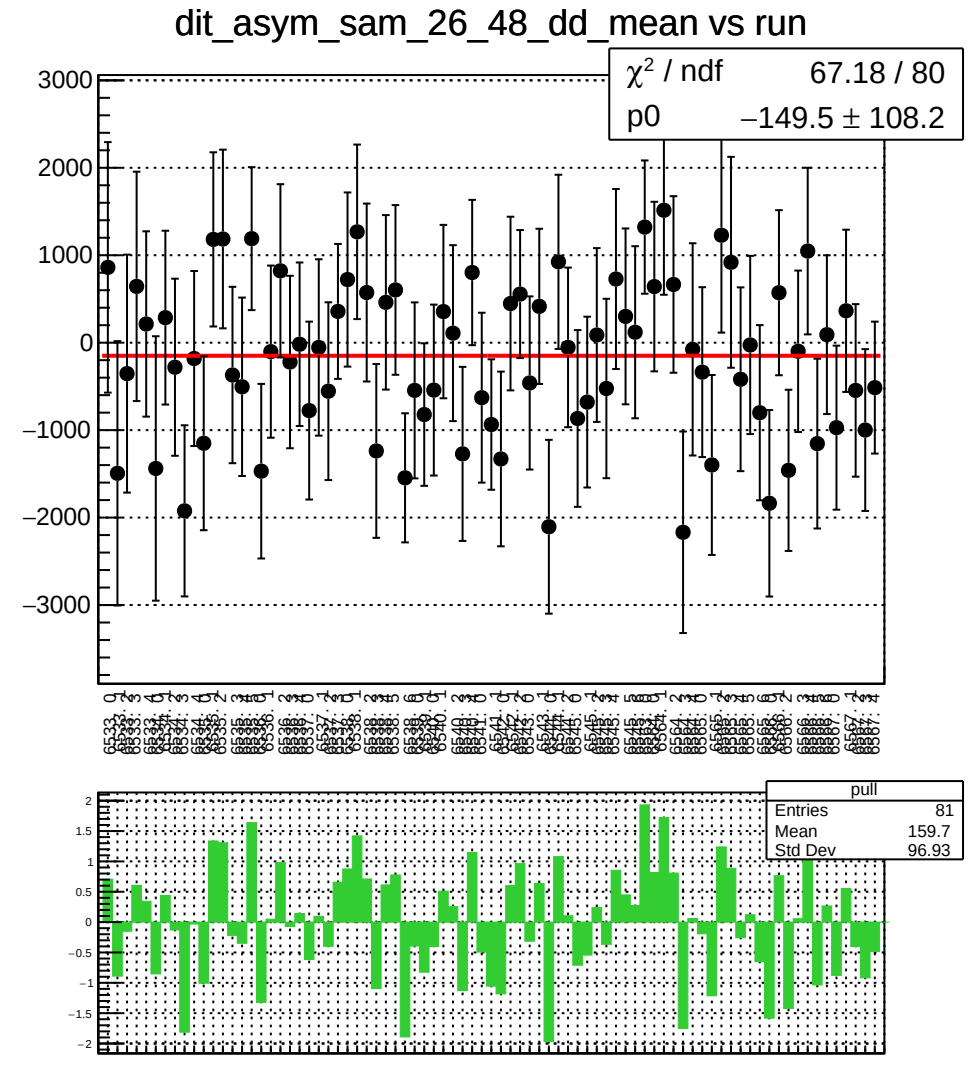

pull1D
Entries 81
Mean 0.004314
Std Dev 1.052
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

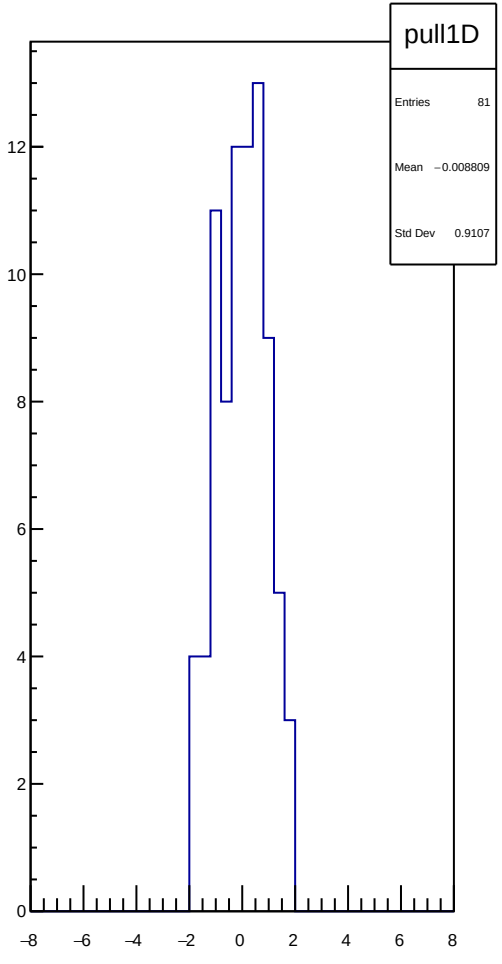

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1934 / 80
p0 1197 ± 0.9486
1300
1250
1200
1150
1100

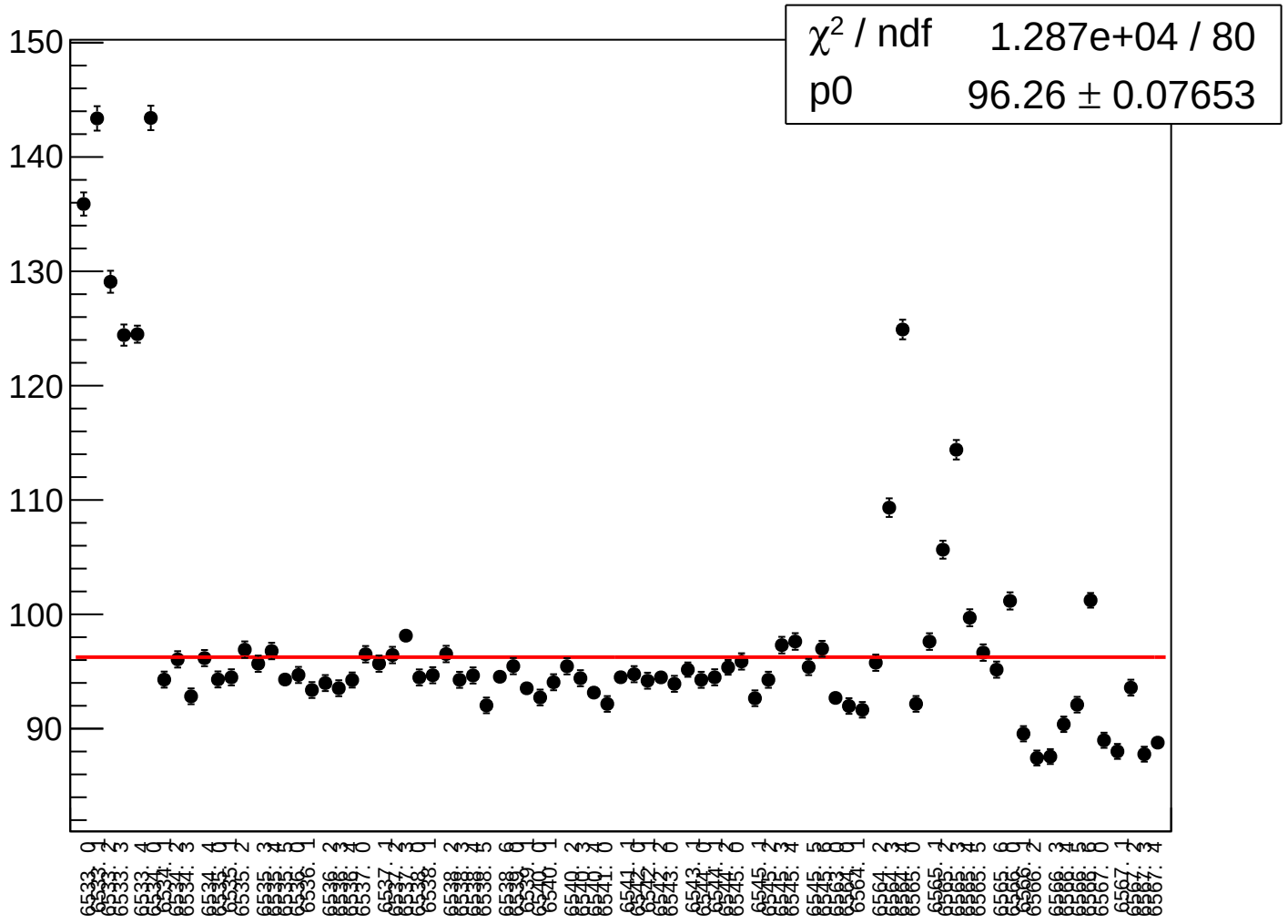

asym_sam_24_68_dd_mean vs run
χ² / ndf 87.69 / 80
p0 1603 ± 1341
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 1257
Std Dev 1219
2
1
0
−1
−2

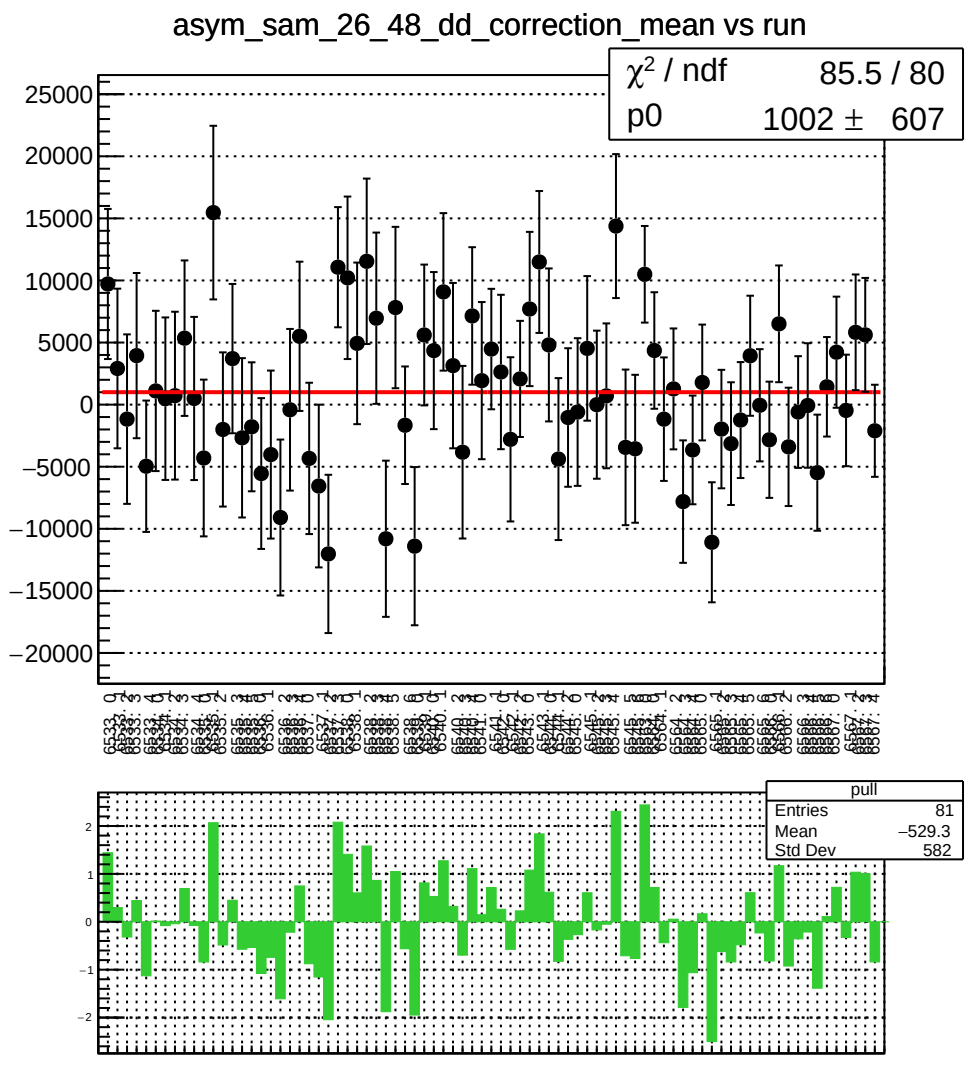

pull1D
Entries 81
Mean −0.002158
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

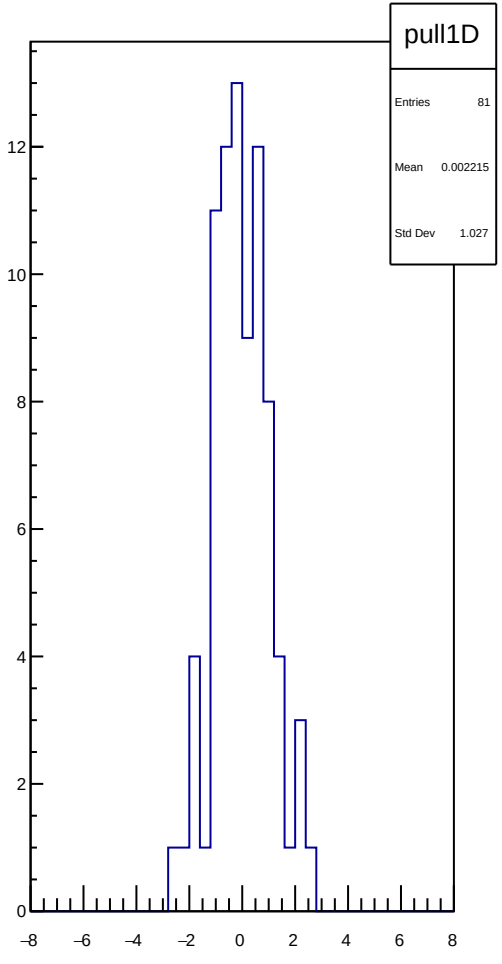

asym_sam_24_68_dd_rms vs run
χ² / ndf 2243 / 80
p0 1197 ± 0.9485
1350
1300
1250
1200
1150
1100

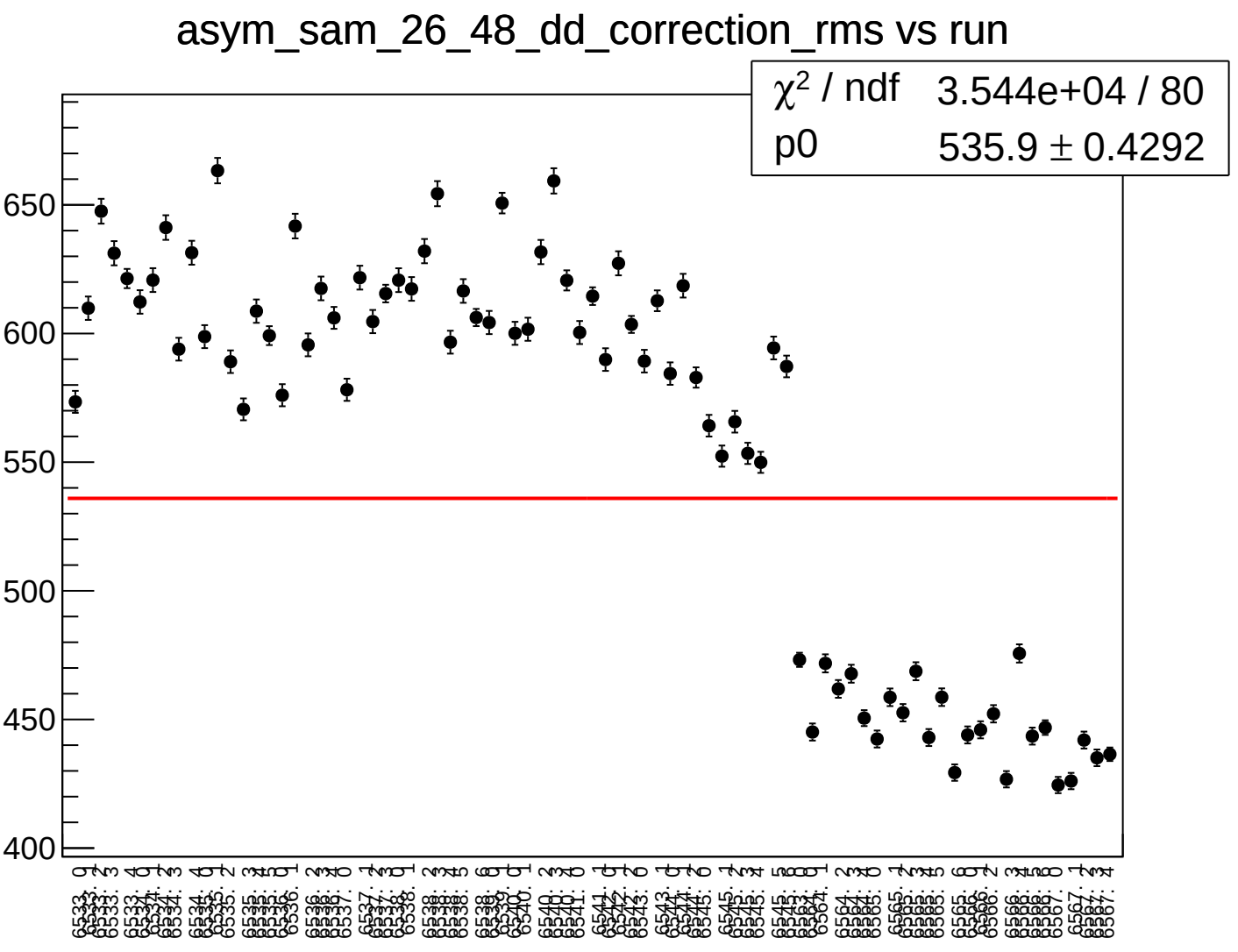

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 67.18 / 80
p0 −149.5 ± 108.2
pull
Entries 81
Mean 159.7
Std Dev 96.93

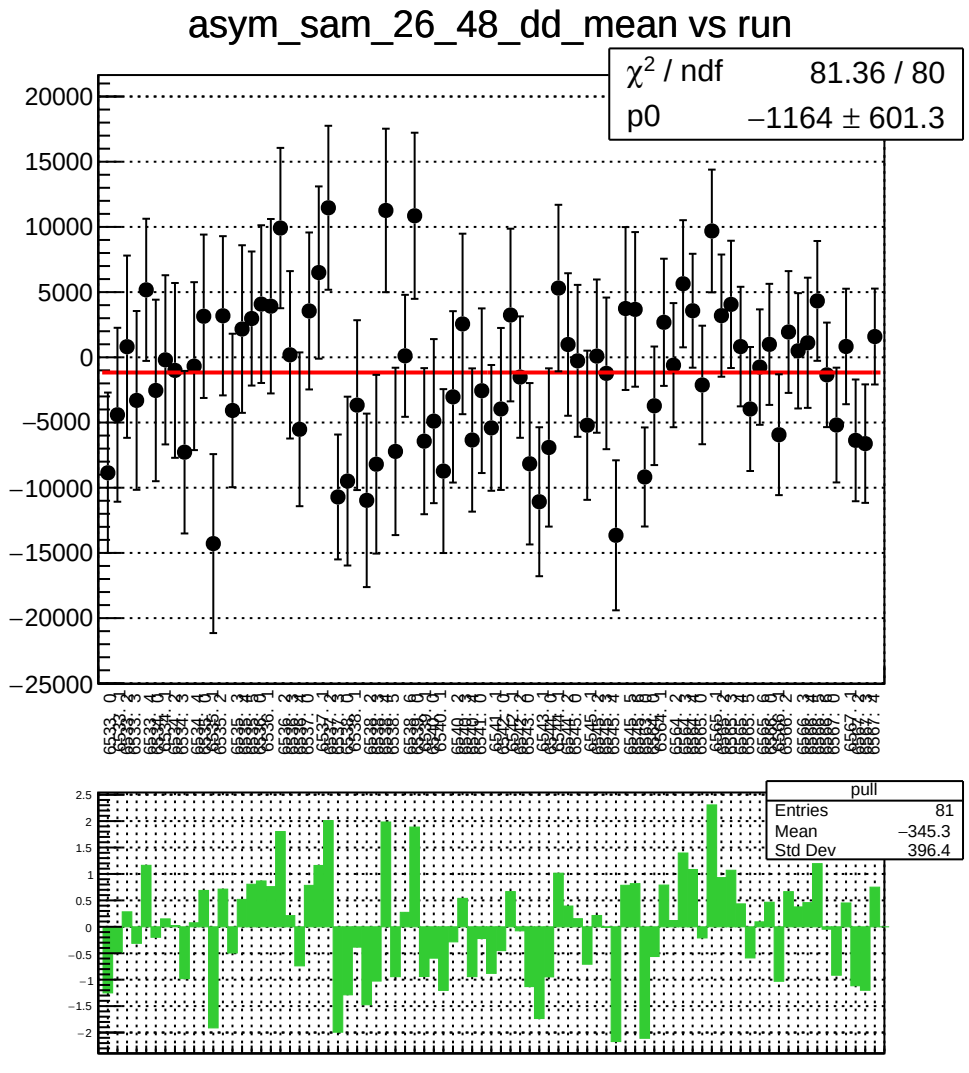

pull1D
Entries 81
Mean −0.008809
Std Dev 0.9107

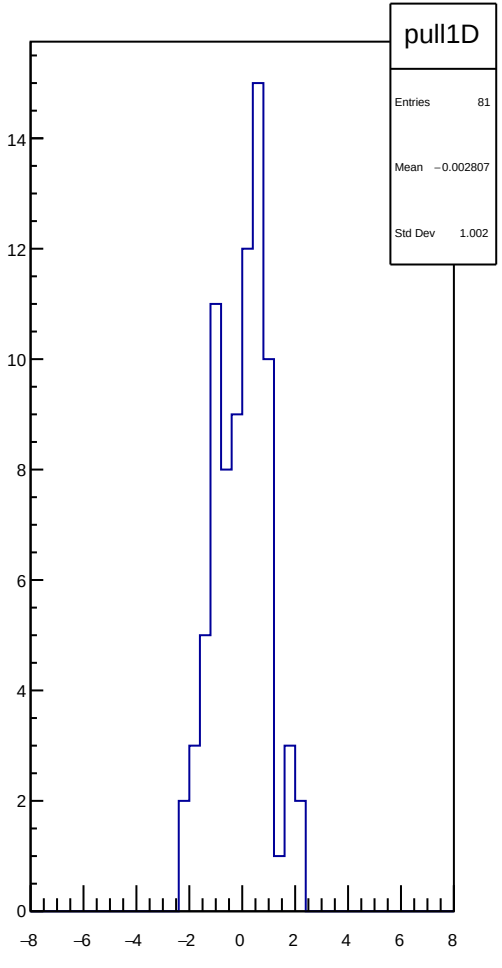

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.287e+04 / 80
p0 96.26 ± 0.07653
150
140
130
120
110
100
90

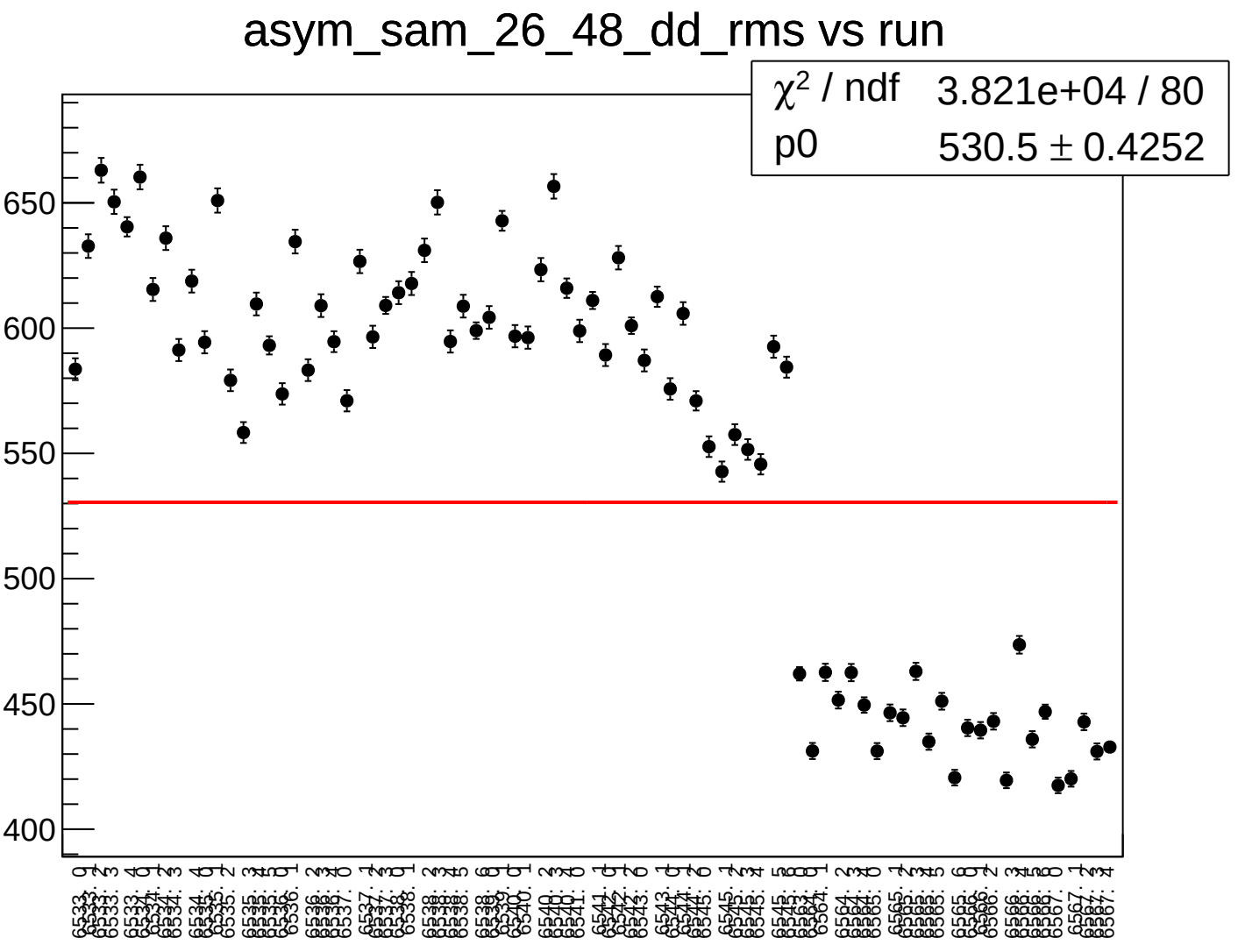

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 85.5 / 80
p0 1002 ± 607
pull
Entries 81
Mean −529.3
Std Dev 582

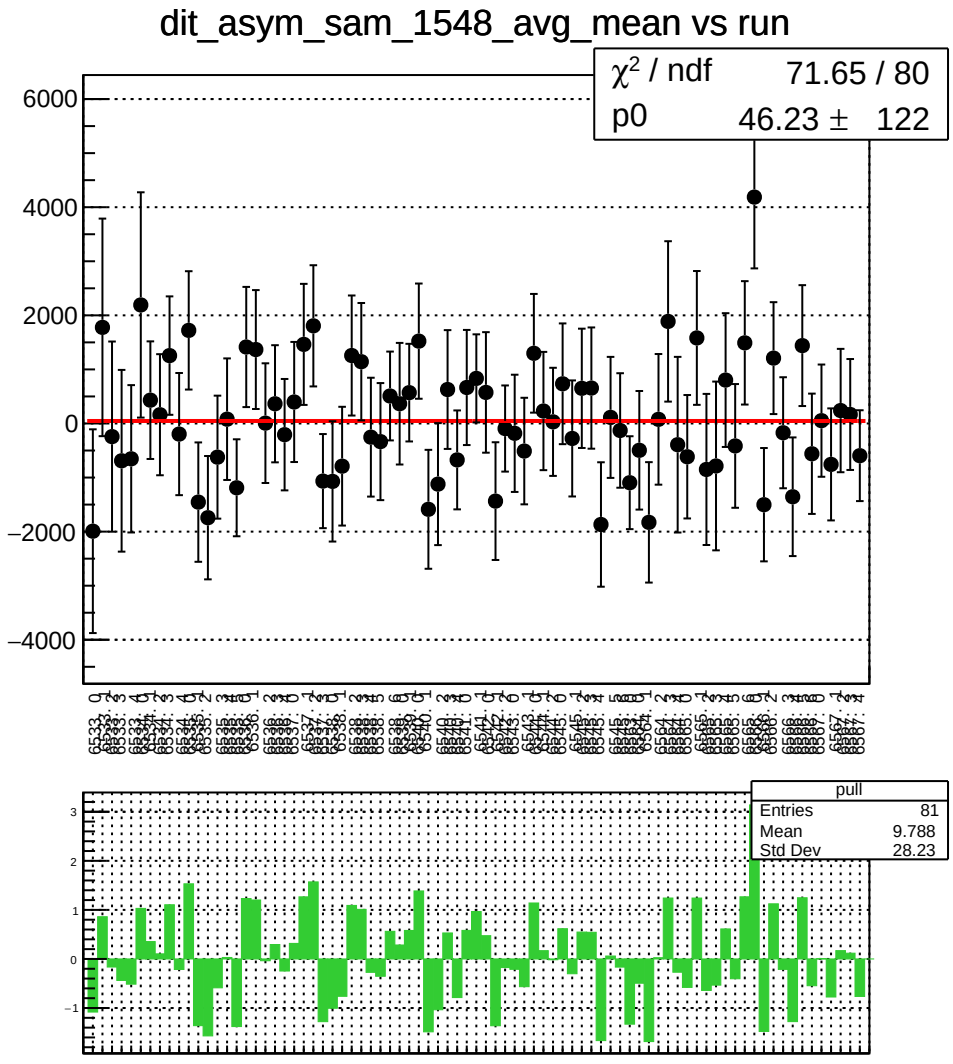

pull1D
Entries 81
Mean 0.002215
Std Dev 1.027

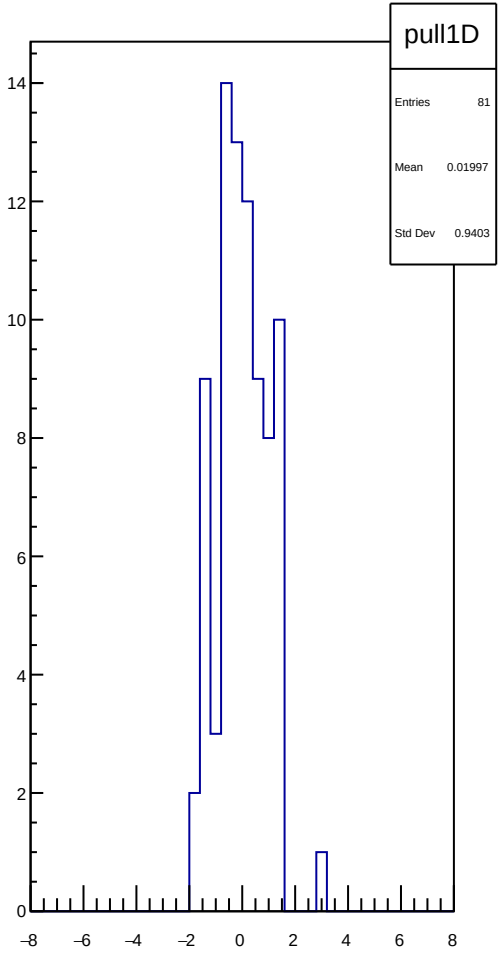

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3.544e+04 / 80
p0 535.9 ± 0.4292
650
600
550
500
450
400

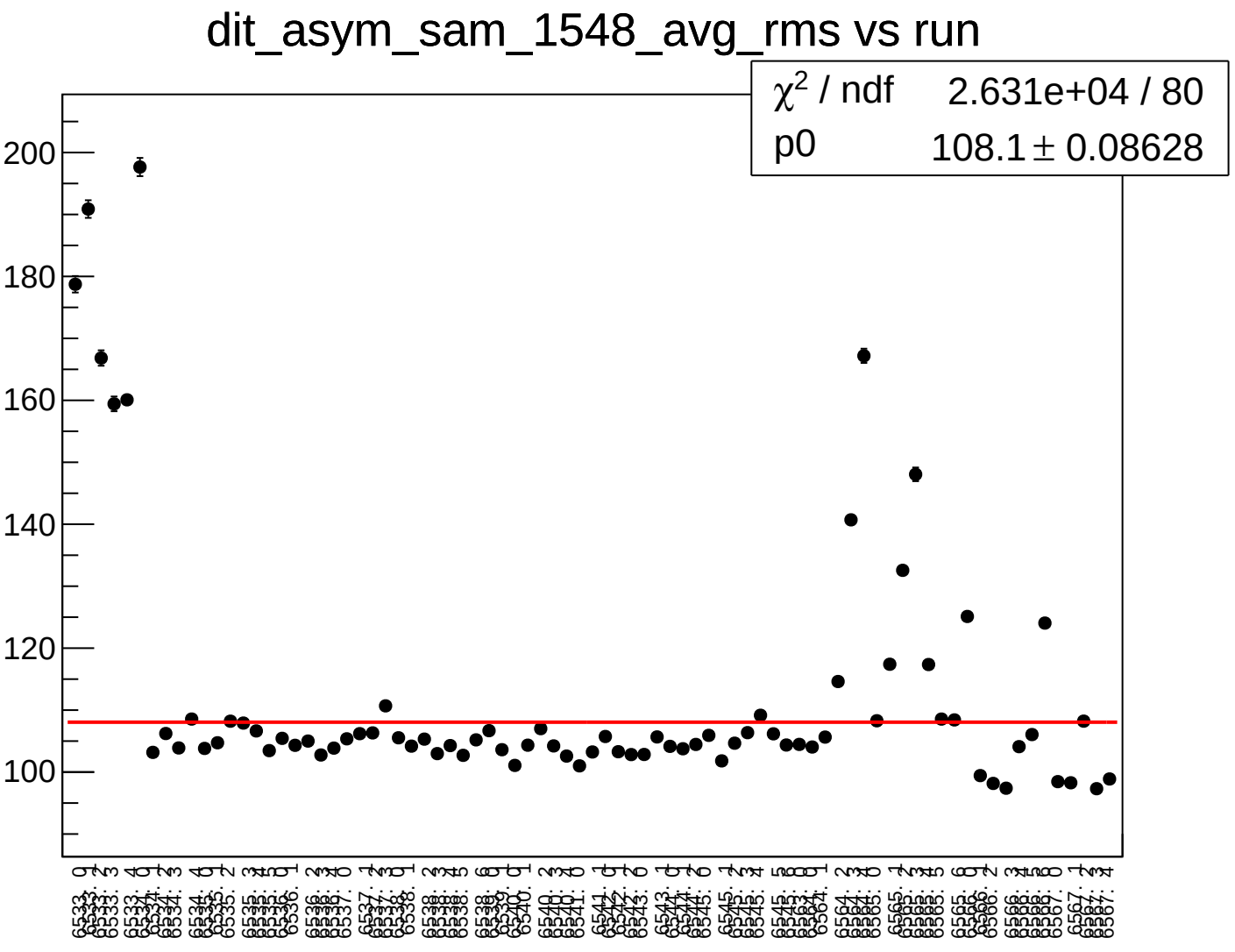

asym_sam_26_48_dd_mean vs run
χ² / ndf 81.36 / 80
p0 −1164 ± 601.3
pull
Entries 81
Mean −345.3
Std Dev 396.4

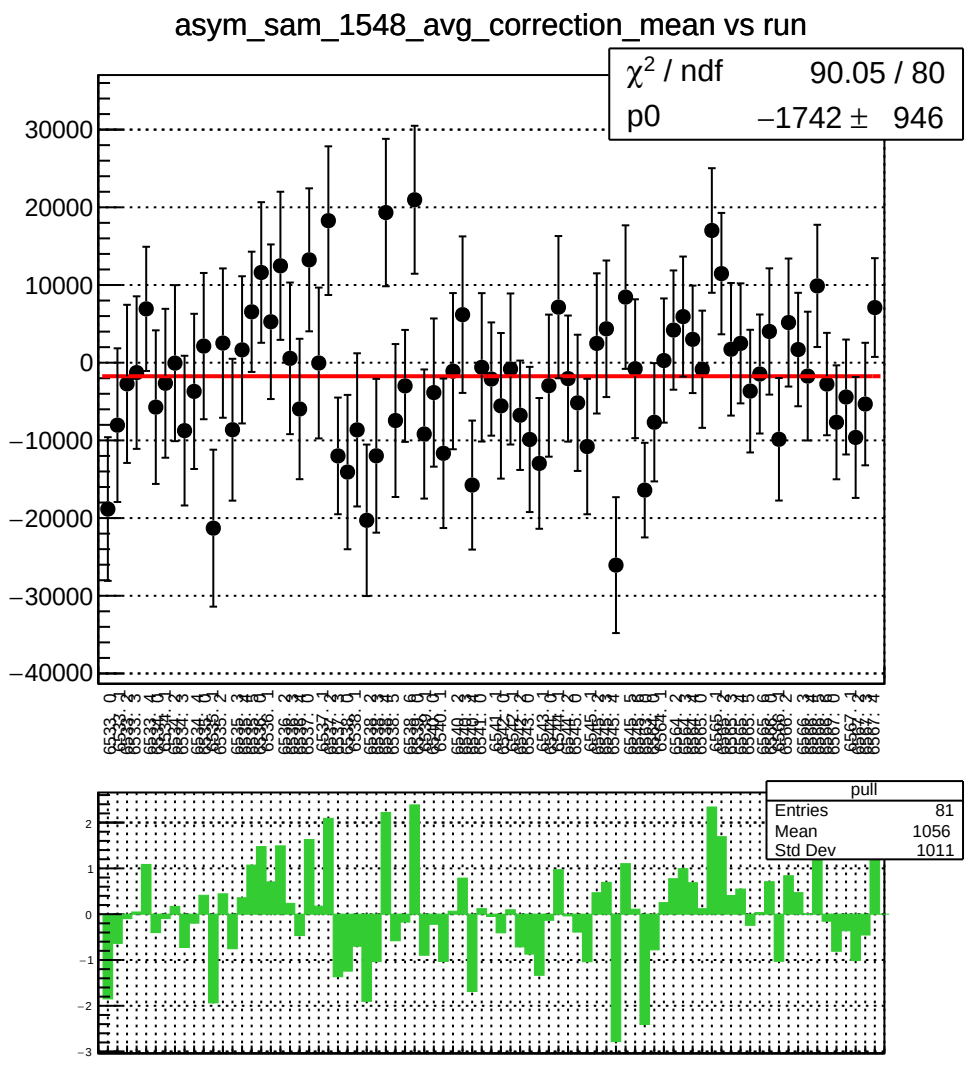

pull1D
Entries 81
Mean −0.002807
Std Dev 1.002

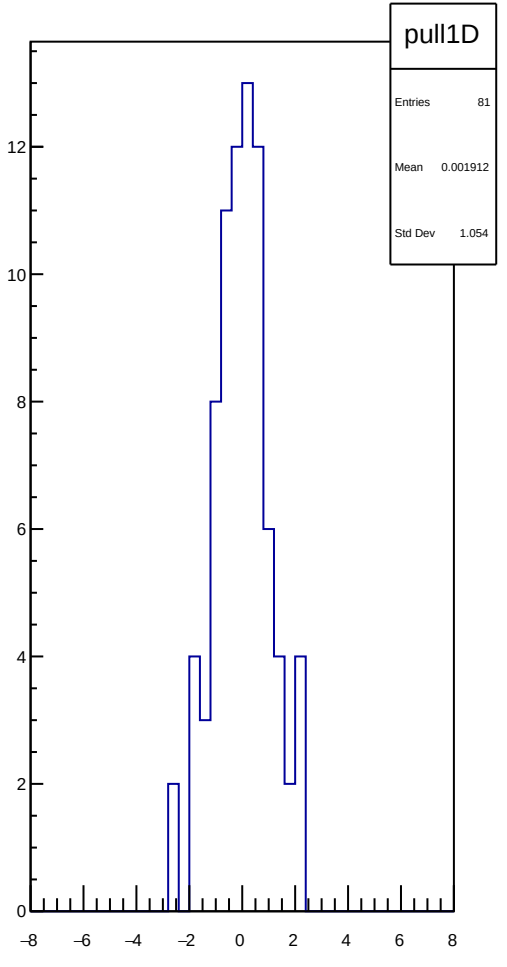

asym_sam_26_48_dd_rms vs run
χ² / ndf 3.821e+04 / 80
p0 530.5 ± 0.4252
650
600
550
500
450
400

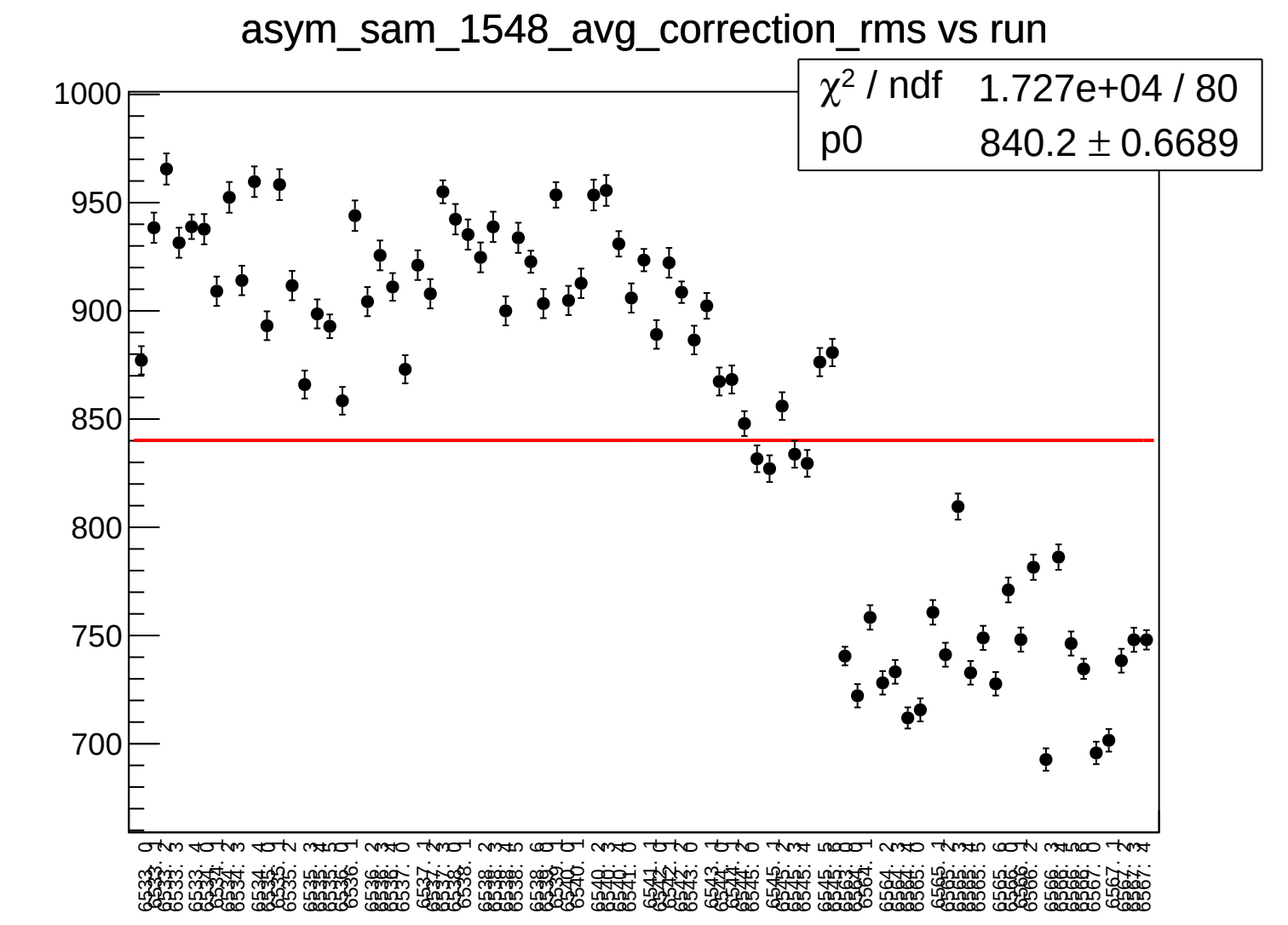

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 71.65 / 80
p0 46.23 ± 122
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 9.788
Std Dev 28.23
3
2
1
0
−1

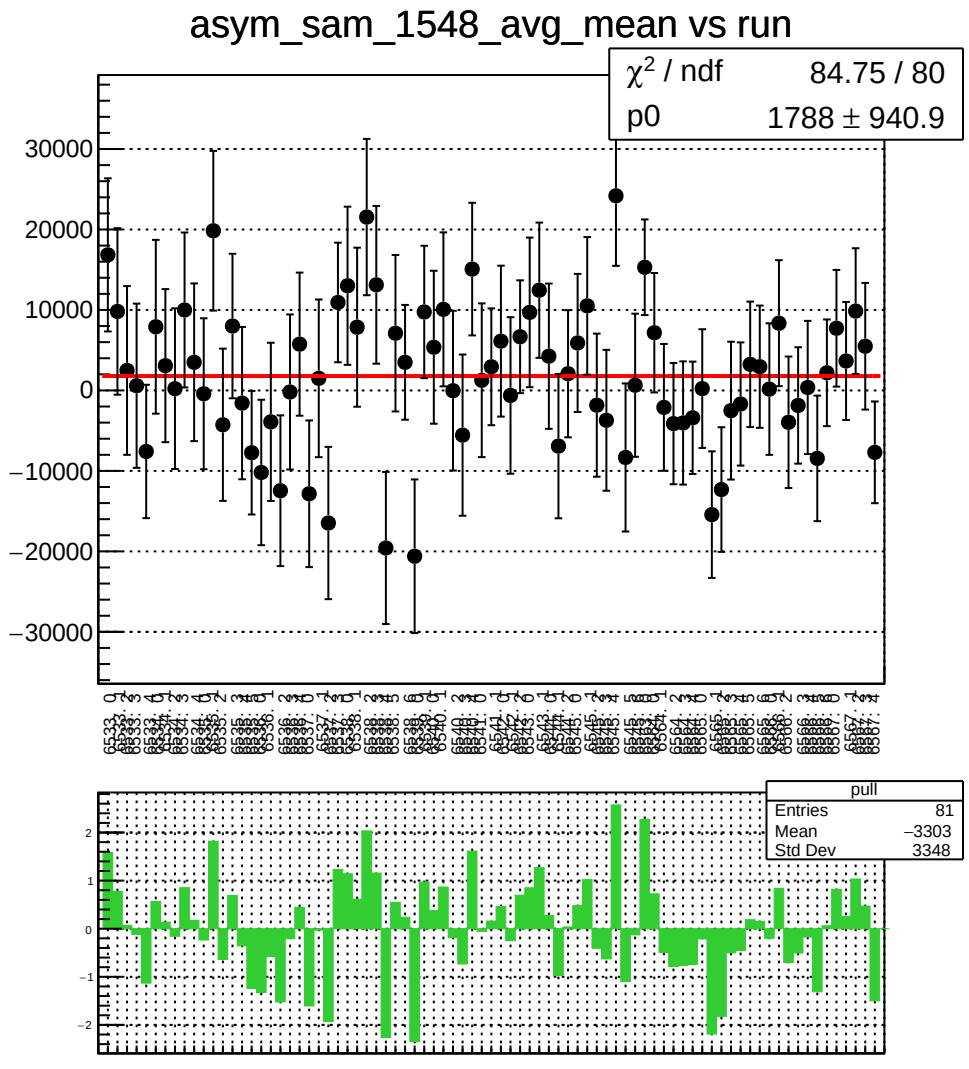

pull1D
Entries 81
Mean 0.01997
Std Dev 0.9403
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

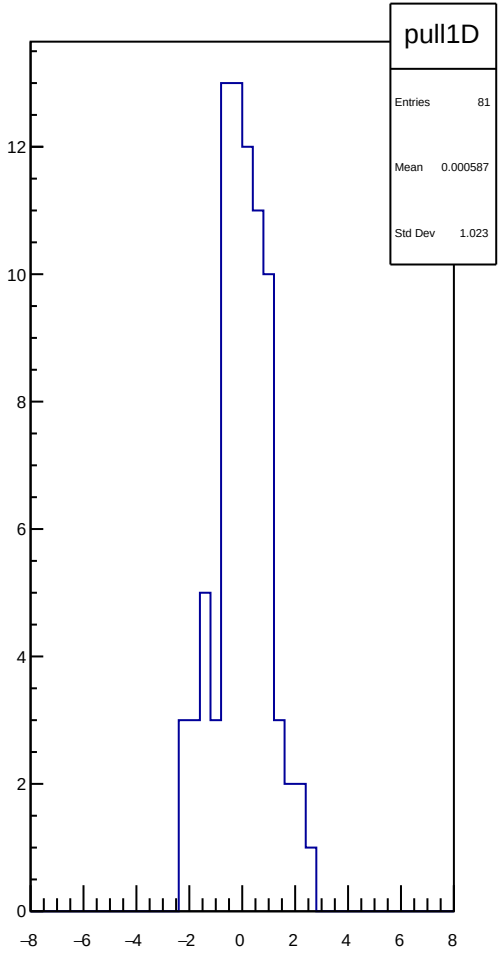

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2.631e+04 / 80
p0 108.1 ± 0.08628
200
180
160
140
120
100

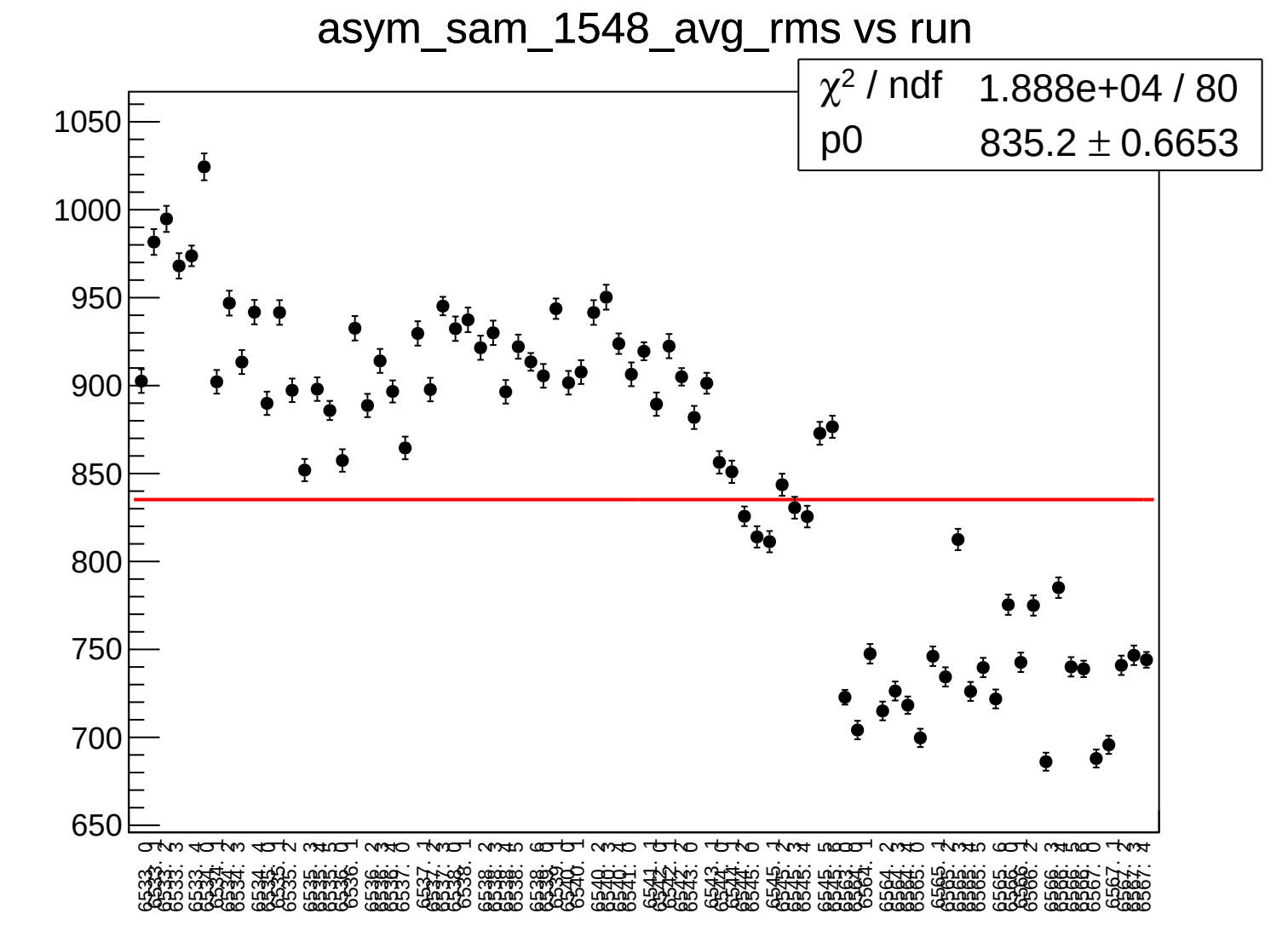

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 90.05 / 80
p0 −1742 ± 946
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 81
Mean 1056
Std Dev 1011
2
1
0
−1
−2
−3

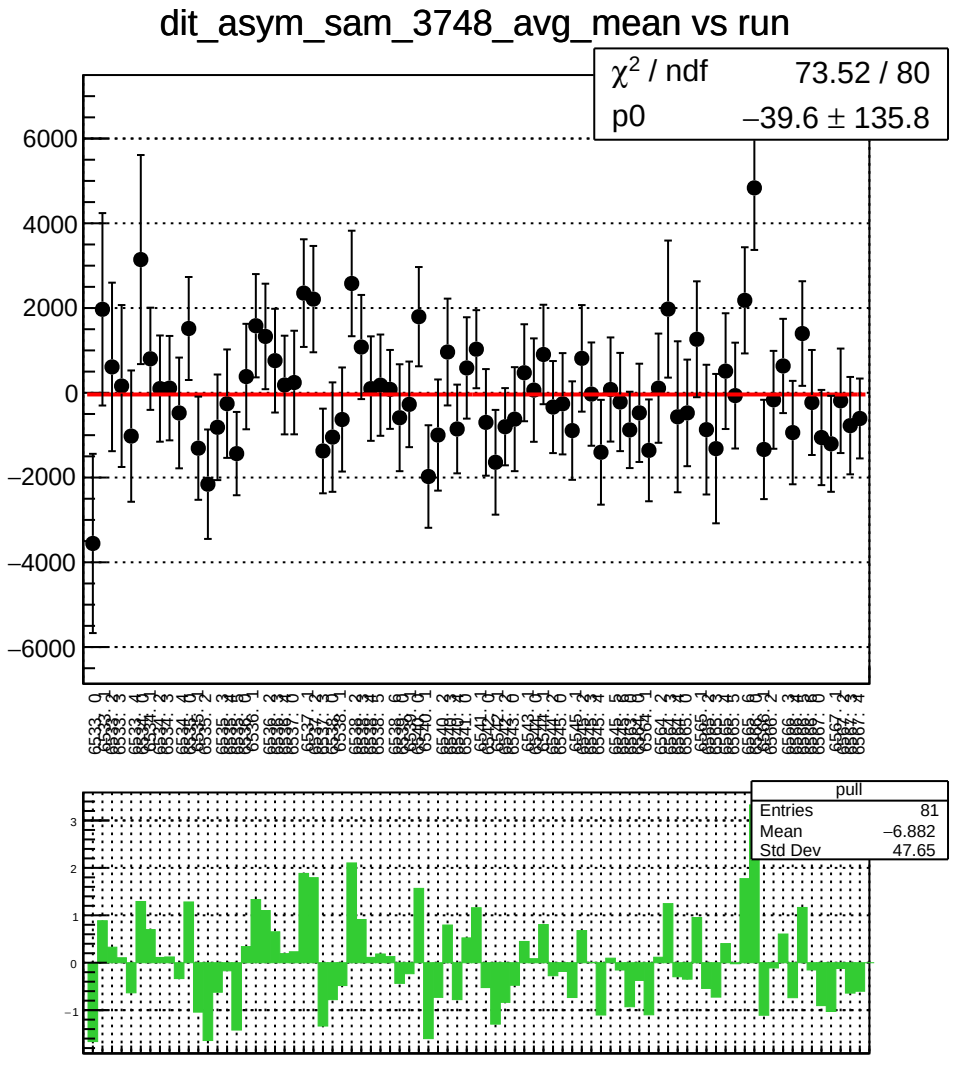

pull1D
Entries 81
Mean 0.001912
Std Dev 1.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

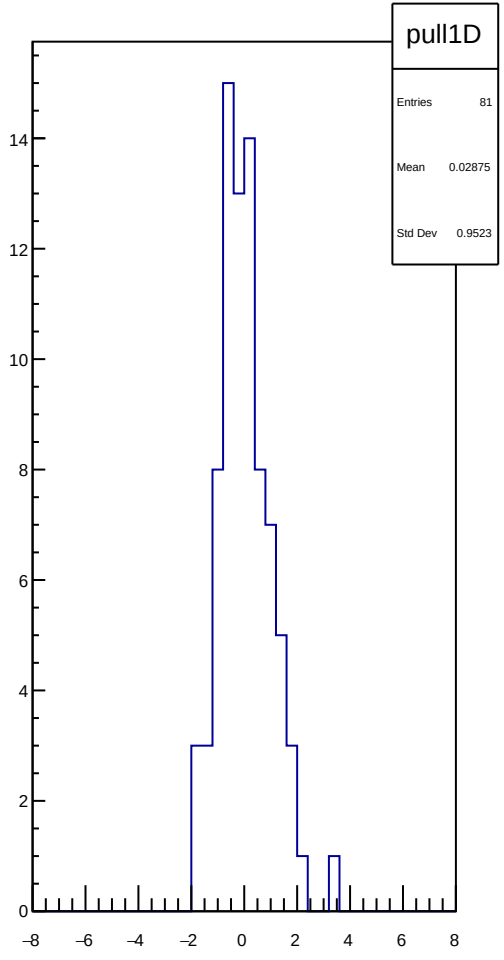

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1.727e+04 / 80
p0 840.2 ± 0.6689
1000
950
900
850
800
750
700

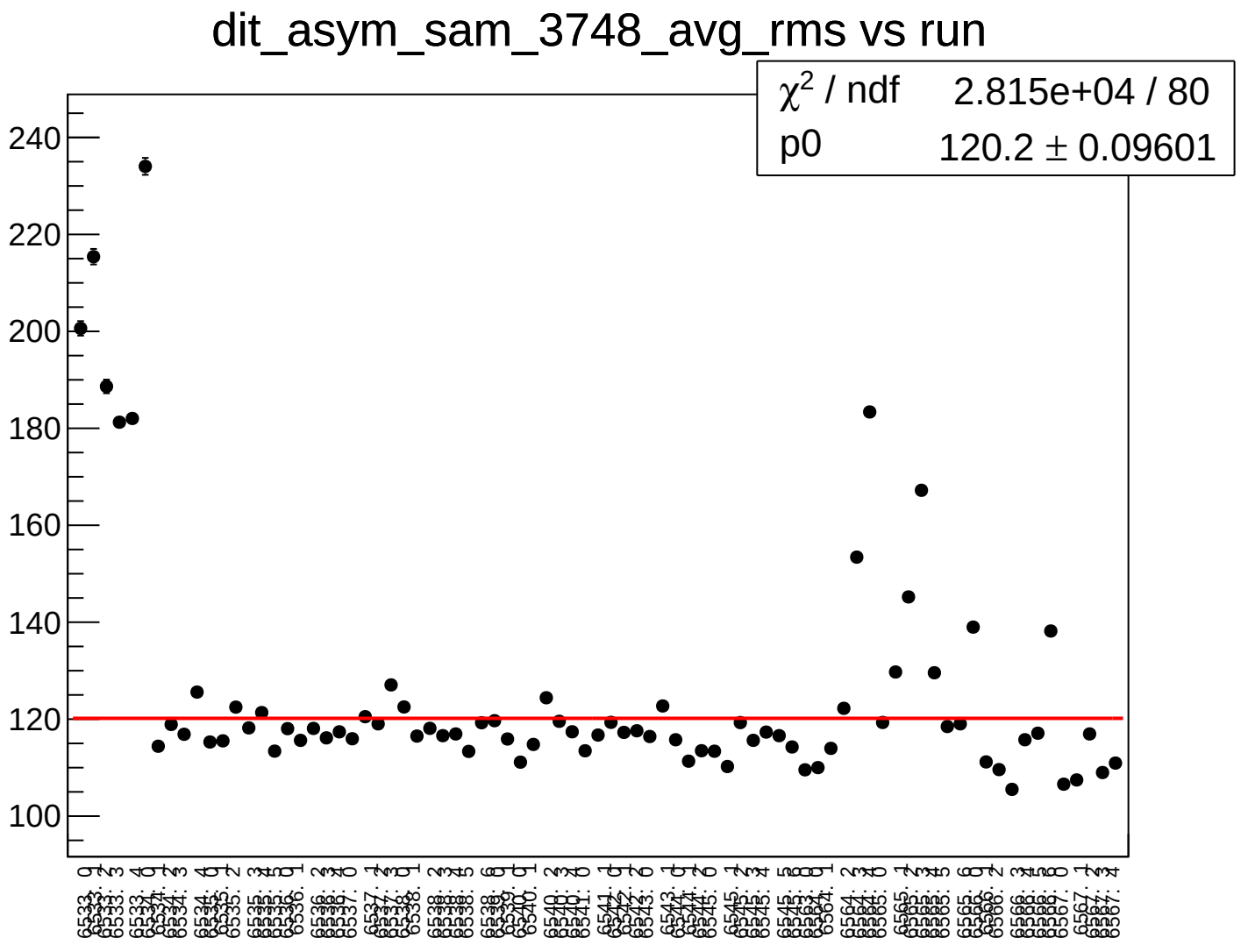

asym_sam_1548_avg_mean vs run
χ² / ndf 84.75 / 80
p0 1788 ± 940.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −3303
Std Dev 3348
2
1
0
−1
−2

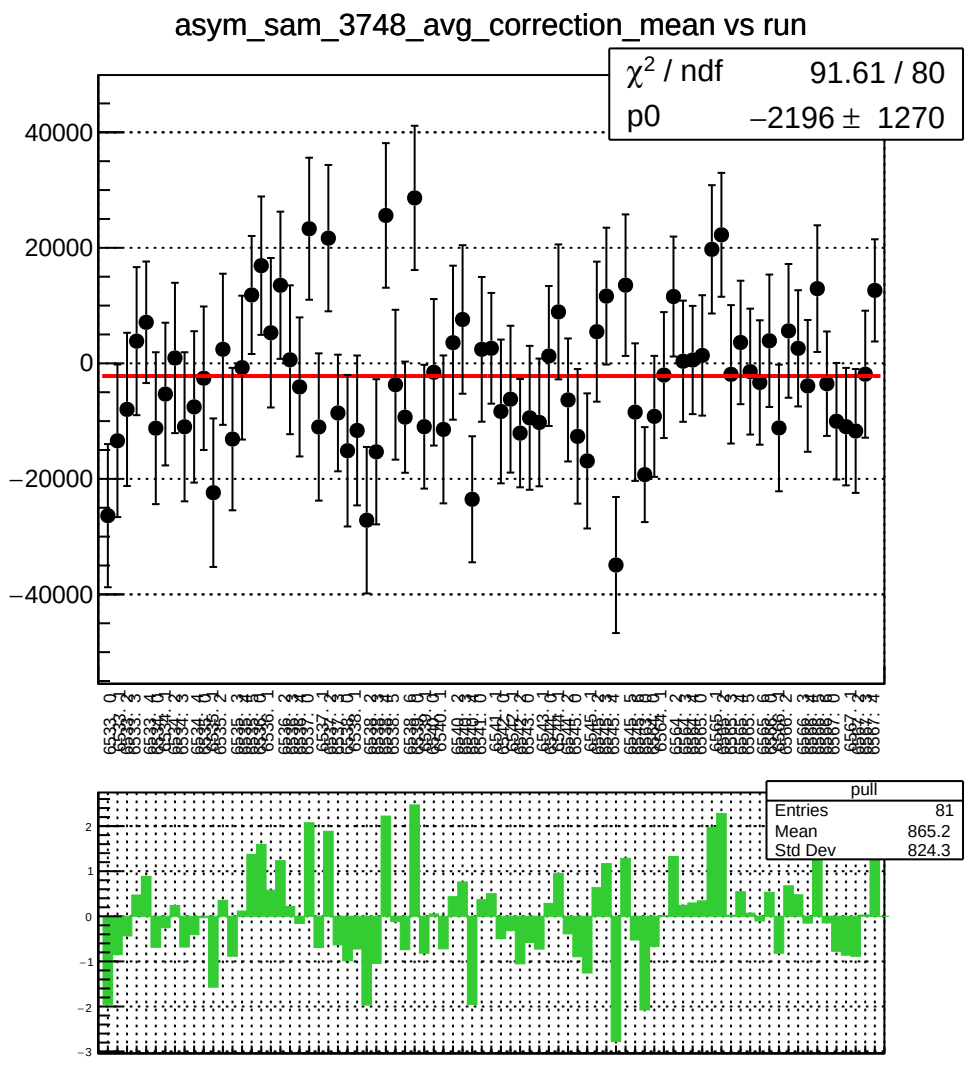

pull1D
Entries 81
Mean 0.000587
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

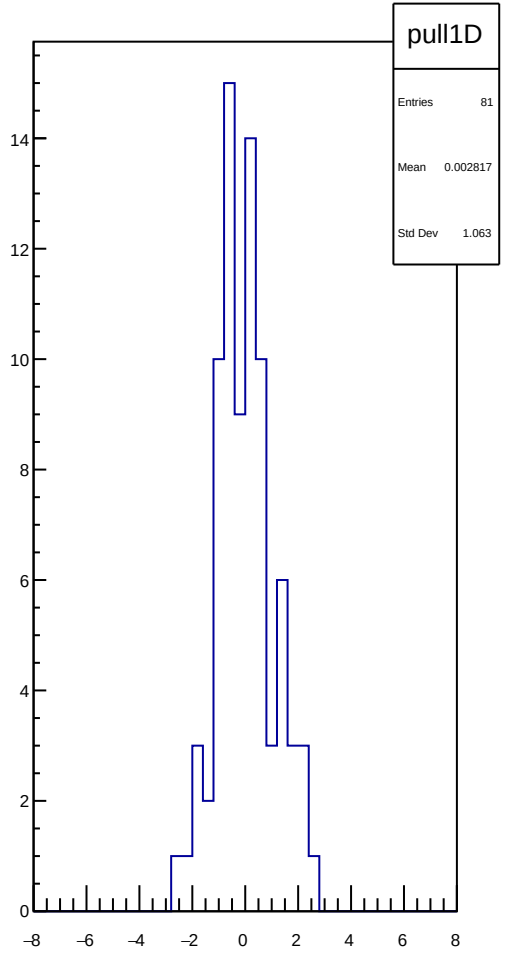

asym_sam_1548_avg_rms vs run
χ² / ndf 1.888e+04 / 80
p0 835.2 ± 0.6653
1050
1000
950
900
850
800
750
700
650

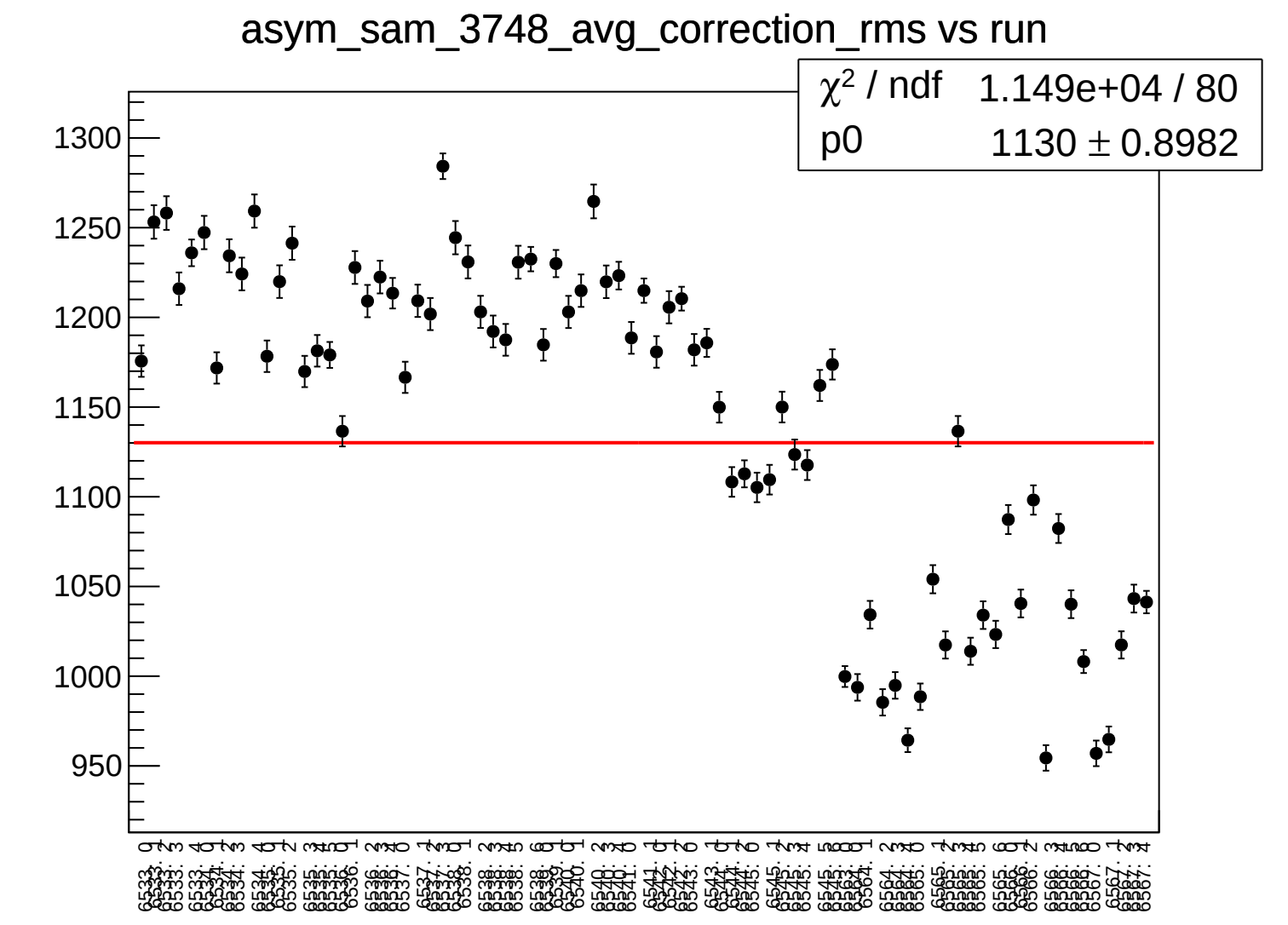

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 73.52 / 80
p0 −39.6 ± 135.8
pull
Entries 81
Mean −6.882
Std Dev 47.65

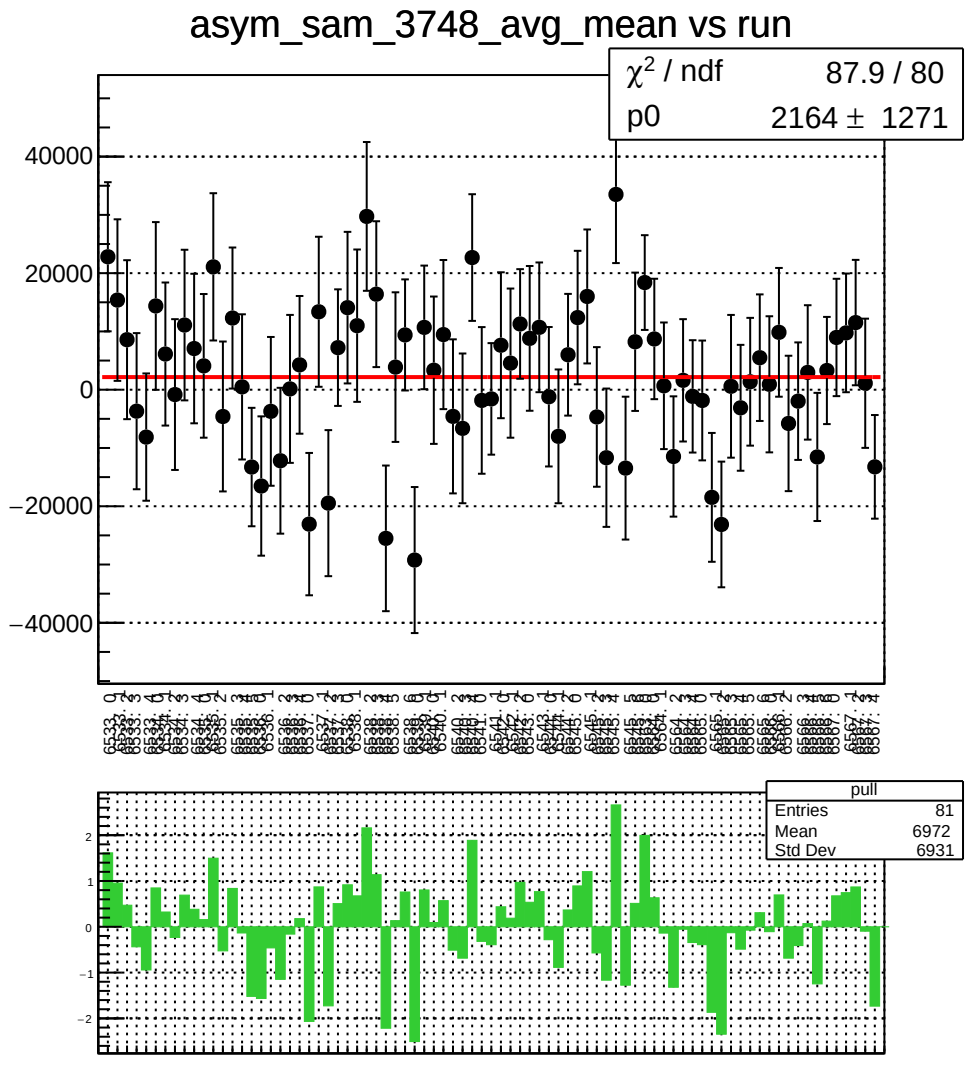

pull1D
Entries 81
Mean 0.02875
Std Dev 0.9523

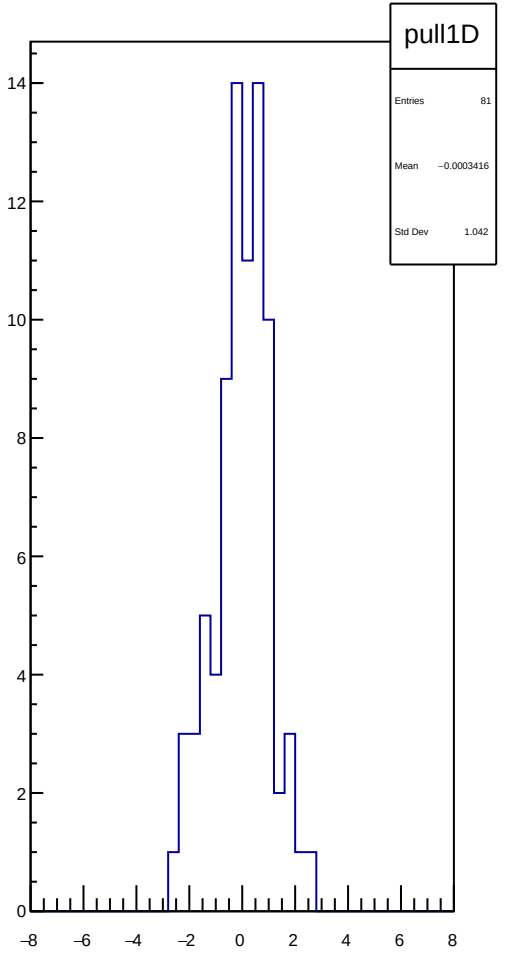

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 2.815e+04 / 80
p0 120.2 ± 0.09601
240
220
200
180
160
140
120
100

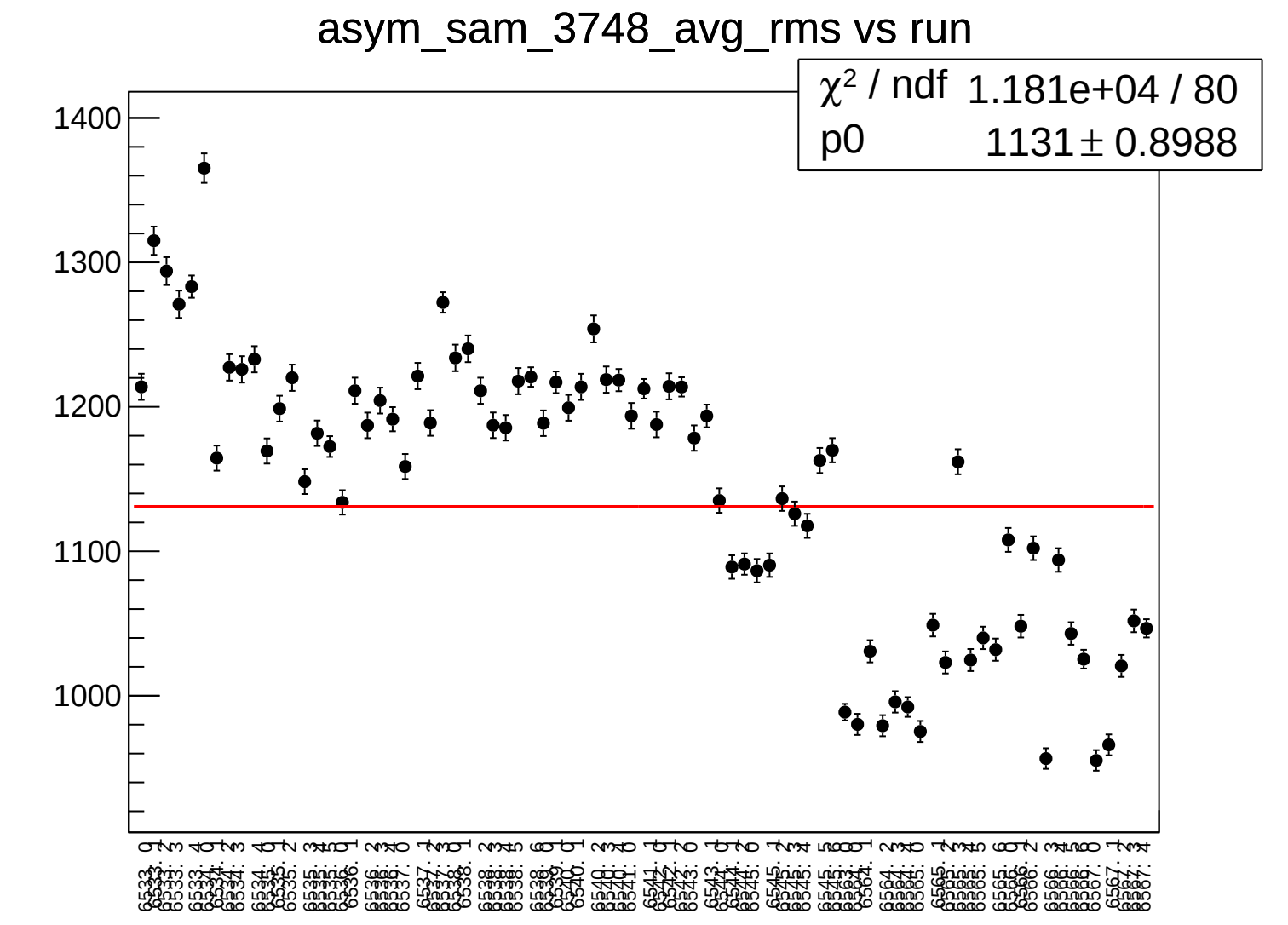

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 91.61 / 80
p0 −2196 ± 1270
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 865.2
Std Dev 824.3
2
1
0
−1
−2
−3

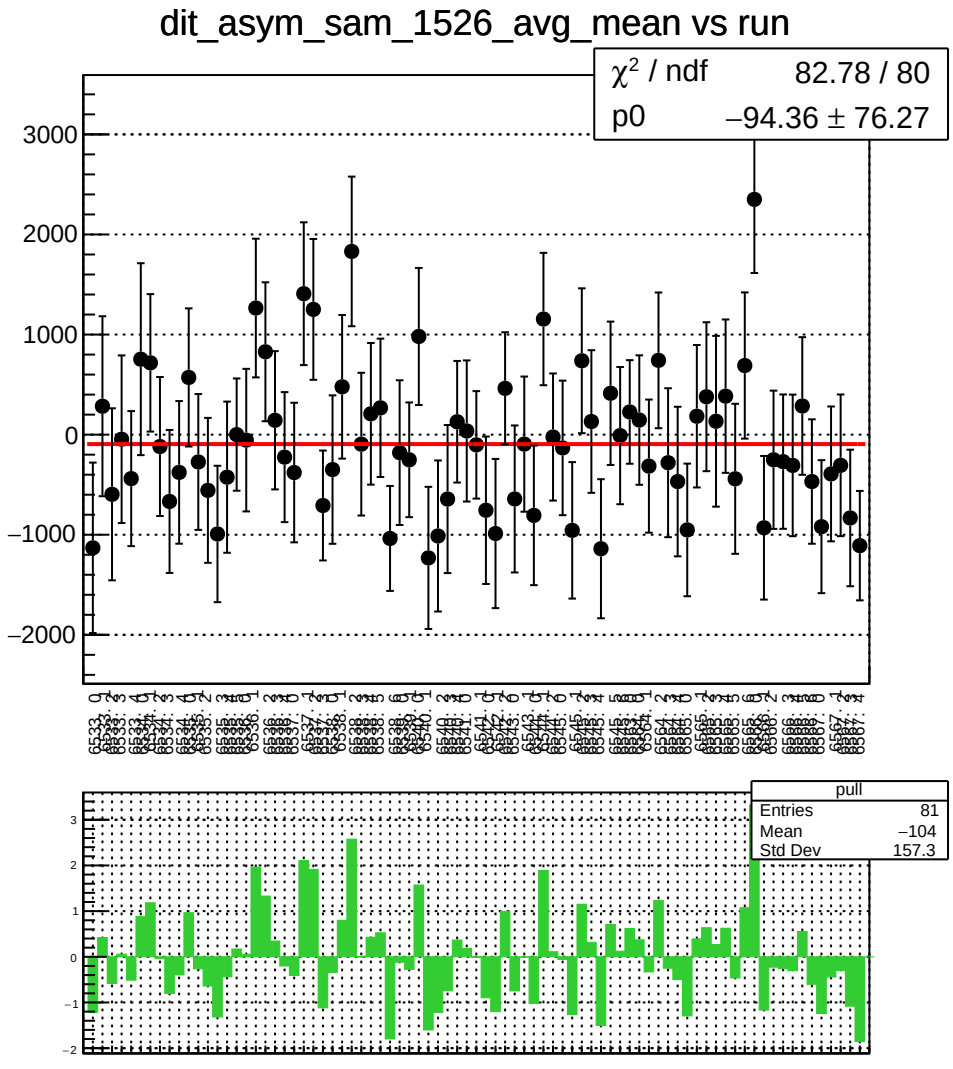

pull1D
Entries 81
Mean 0.002817
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

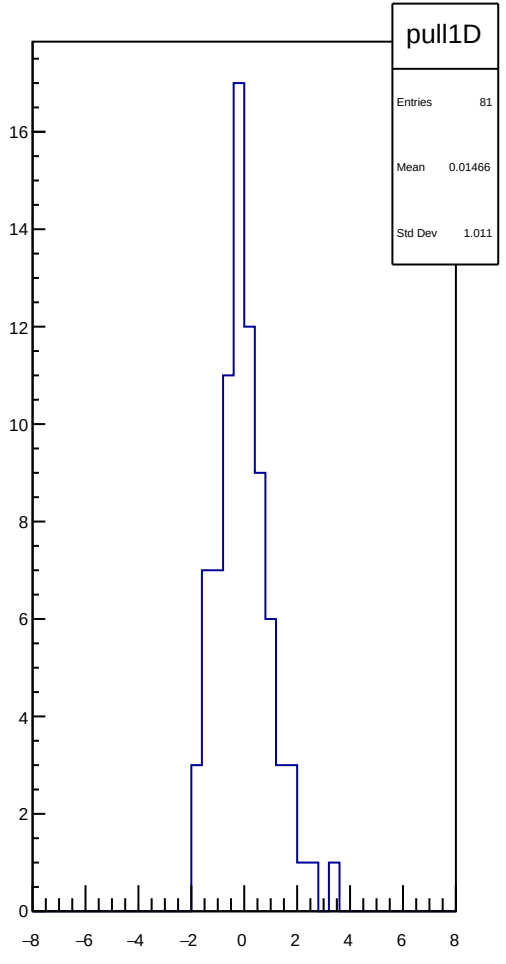

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1.149e+04 / 80
p0 1130 ± 0.8982
1300
1250
1200
1150
1100
1050
1000
950

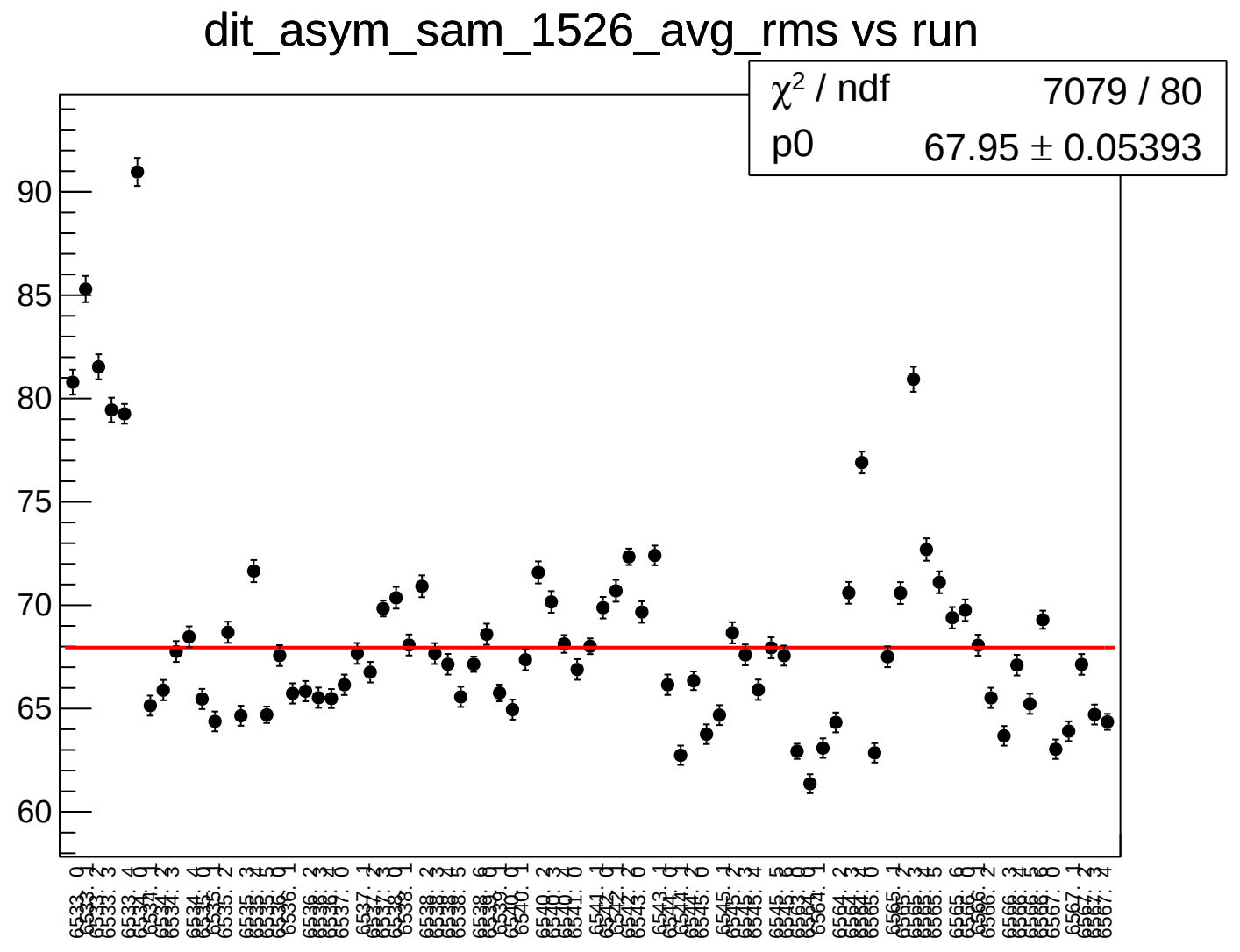

asym_sam_3748_avg_mean vs run
χ² / ndf 87.9 / 80
p0 2164 ± 1271
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 6972
Std Dev 6931
2
1
0
−1
−2

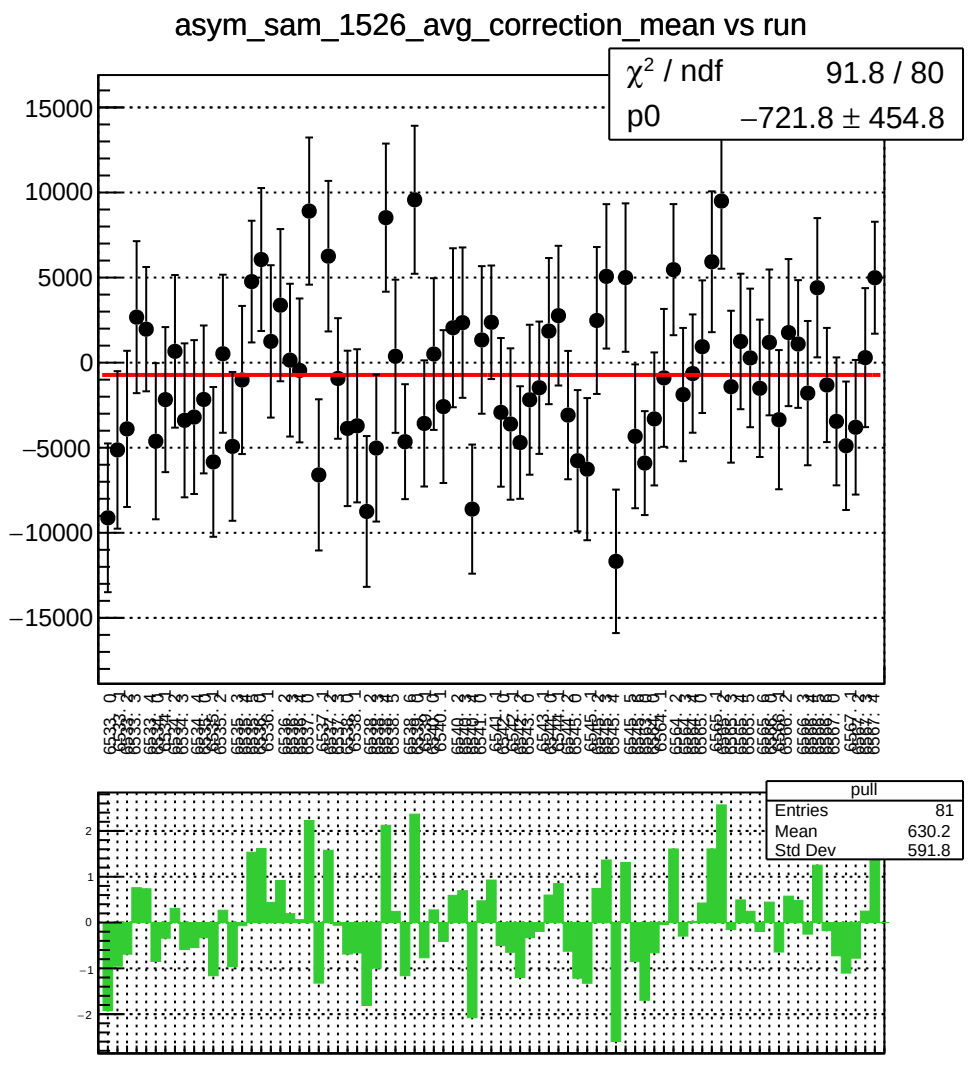

pull1D
Entries 81
Mean −0.0003416
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

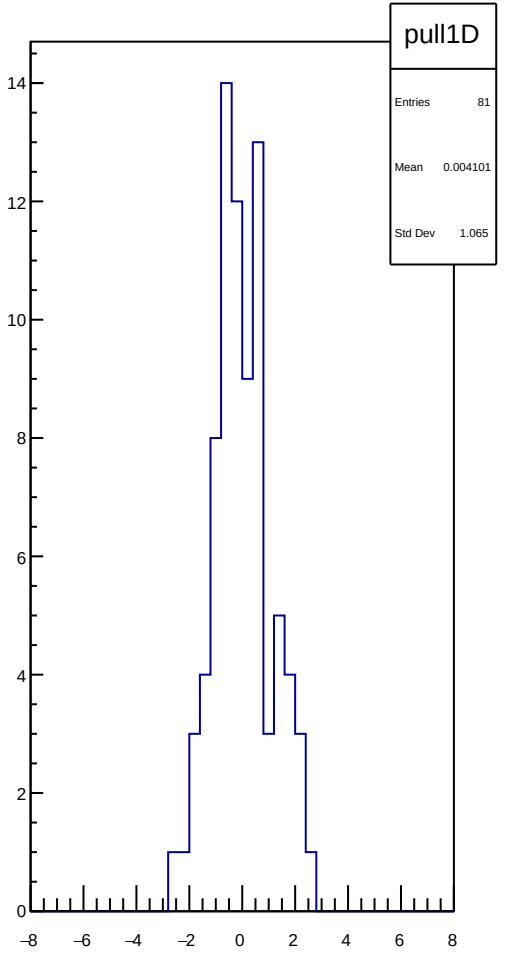

asym_sam_3748_avg_rms vs run
χ² / ndf 1.181e+04 / 80
p0 1131 ± 0.8988
1400
1300
1200
1100
1000

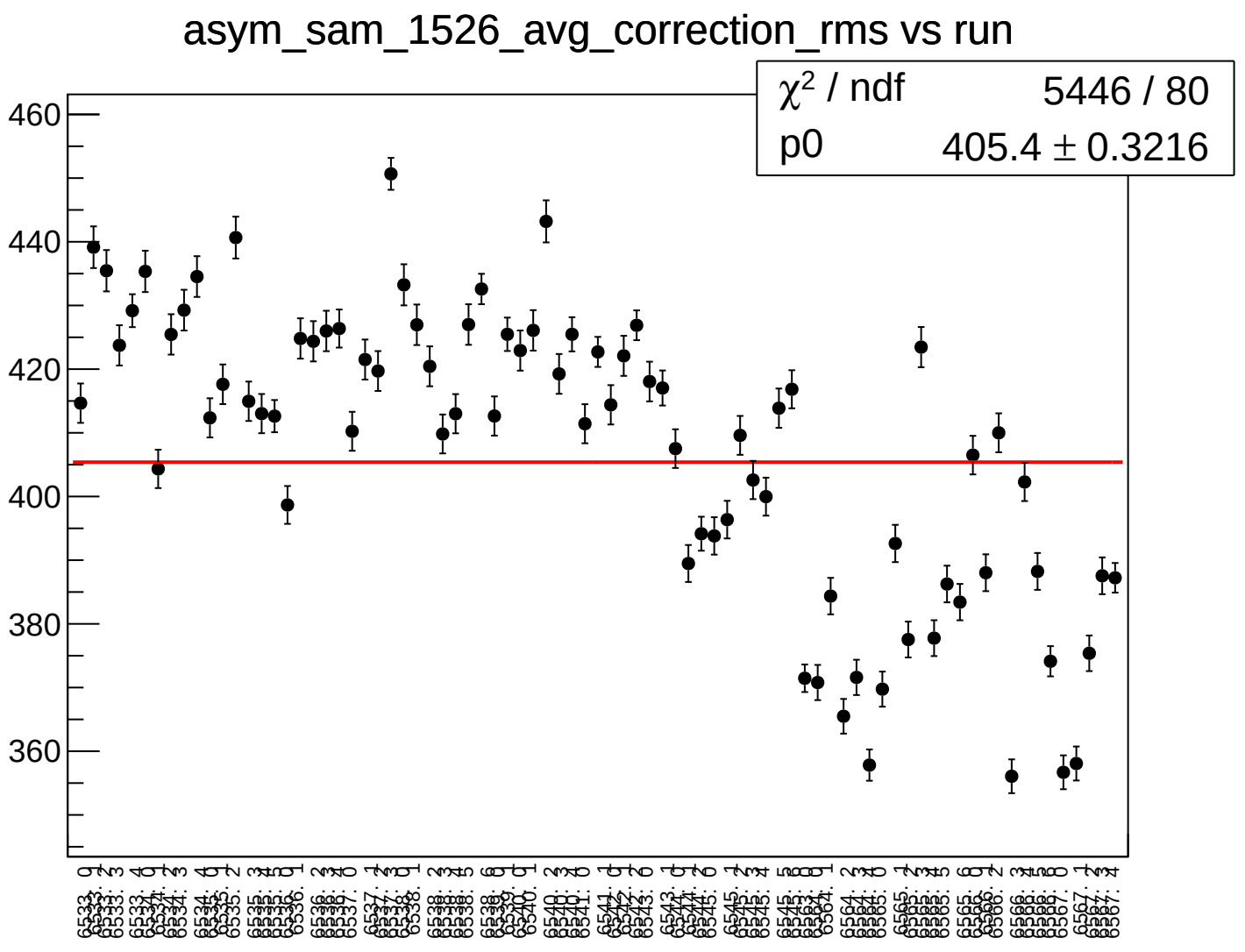

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 82.78 / 80
p0 −94.36 ± 76.27
pull
Entries 81
Mean −104
Std Dev 157.3

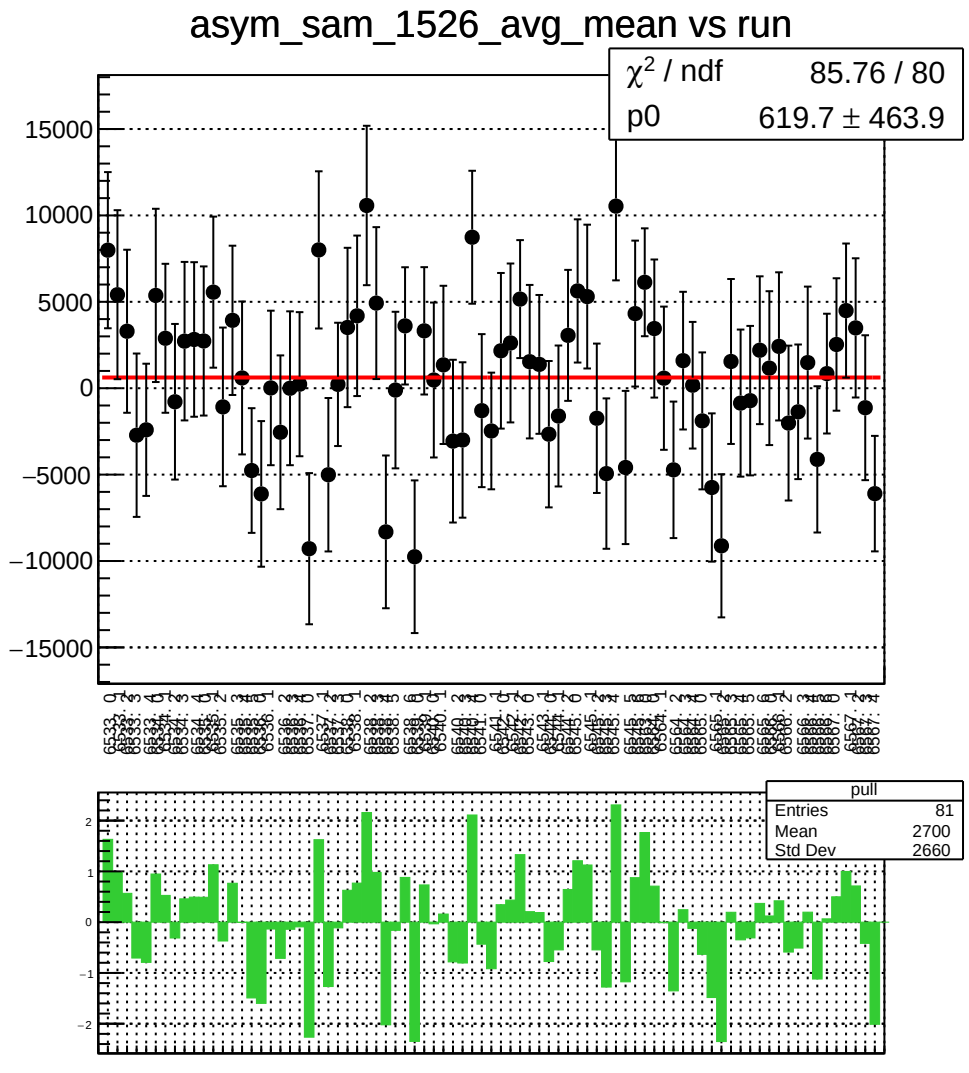

pull1D
Entries 81
Mean 0.01466
Std Dev 1.011

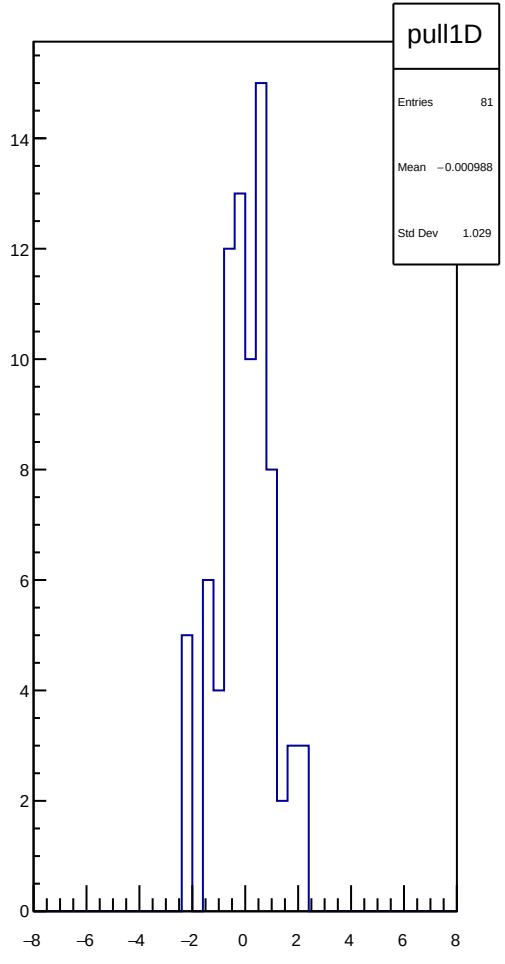

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 7079 / 80
p0 67.95 ± 0.05393
90
85
80
75
70
65
60

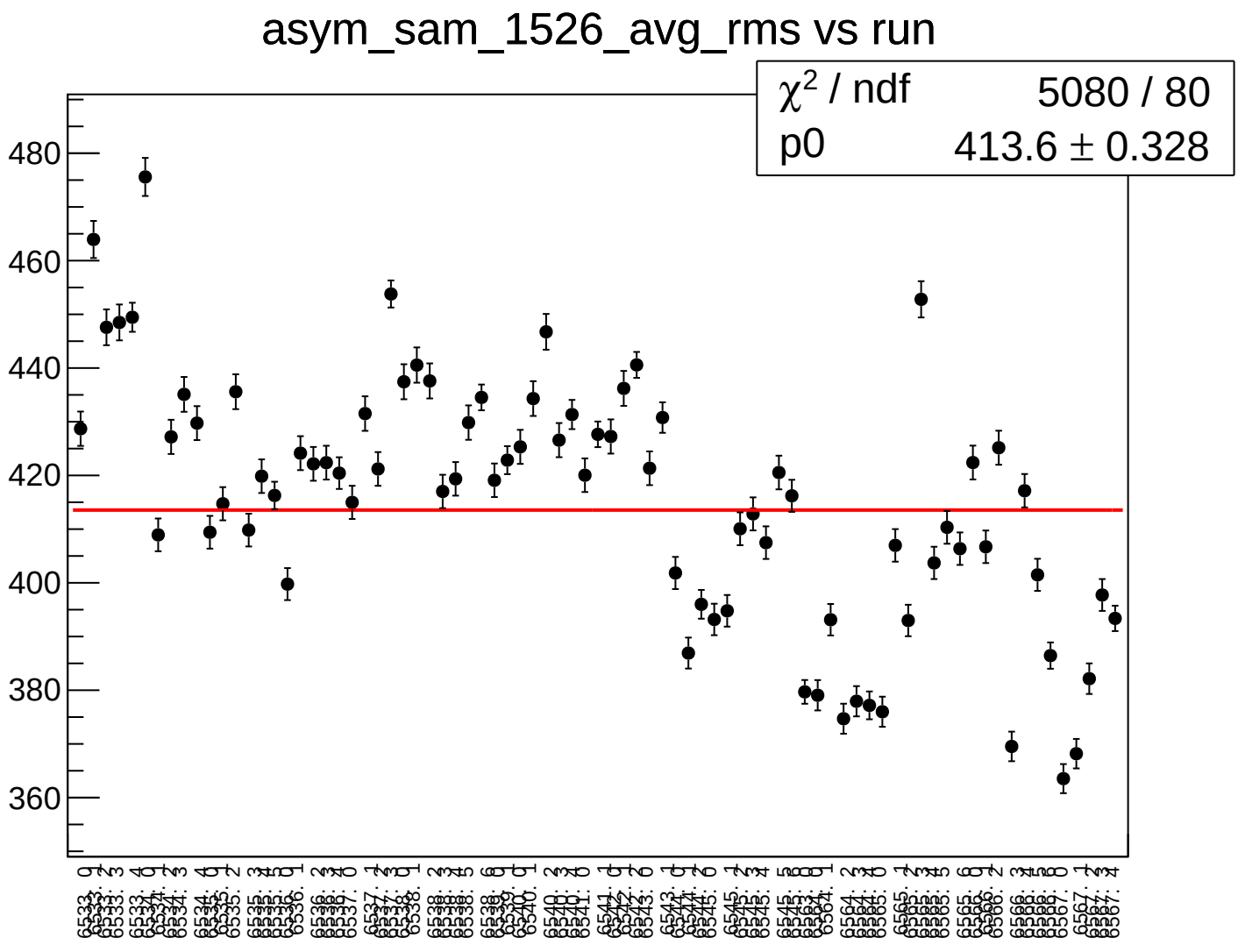

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 91.8 / 80
p0 −721.8 ± 454.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 630.2
Std Dev 591.8
2
1
0
−1
−2

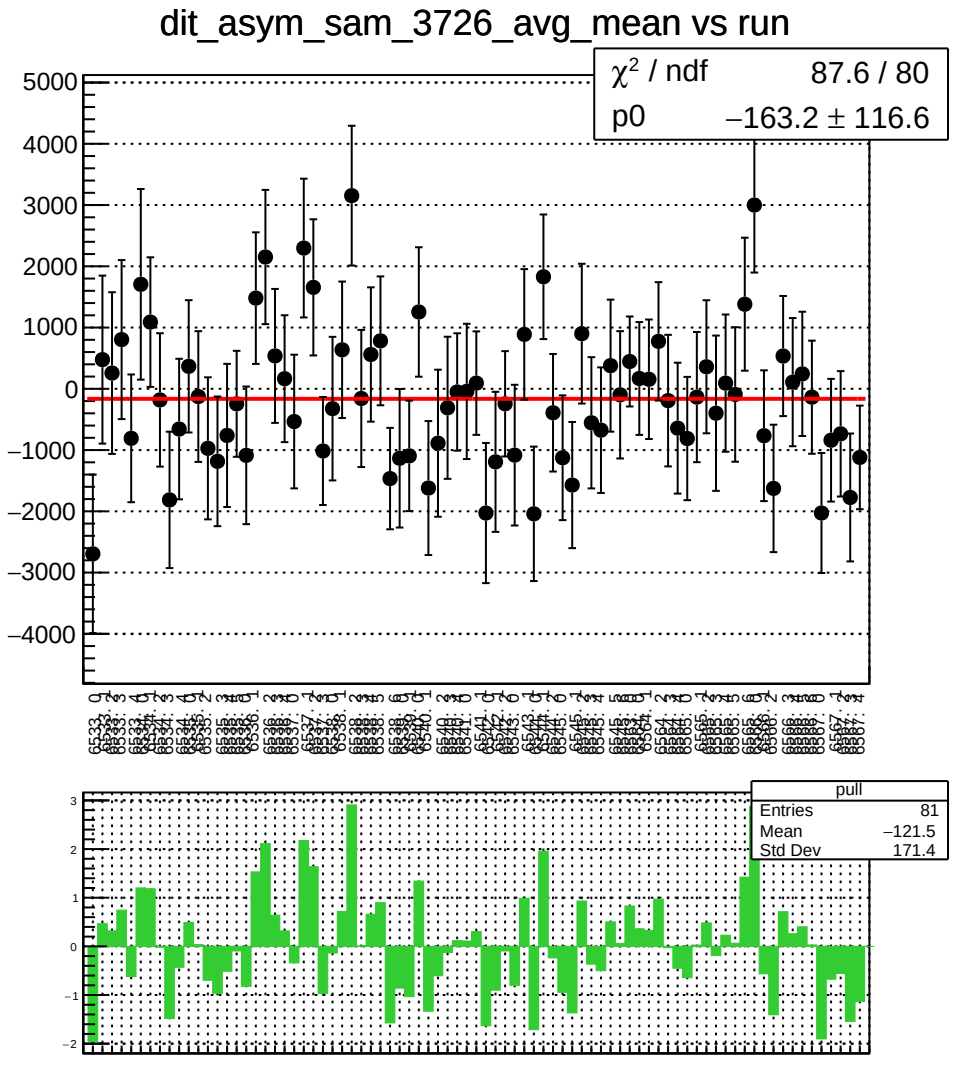

pull1D
Entries 81
Mean 0.004101
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

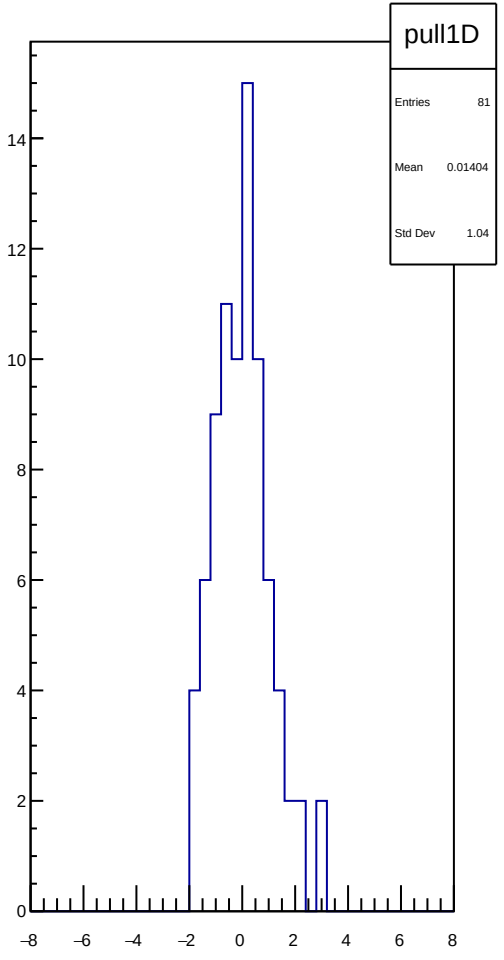

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 5446 / 80
p0 405.4 ± 0.3216
460
440
420
400
380
360

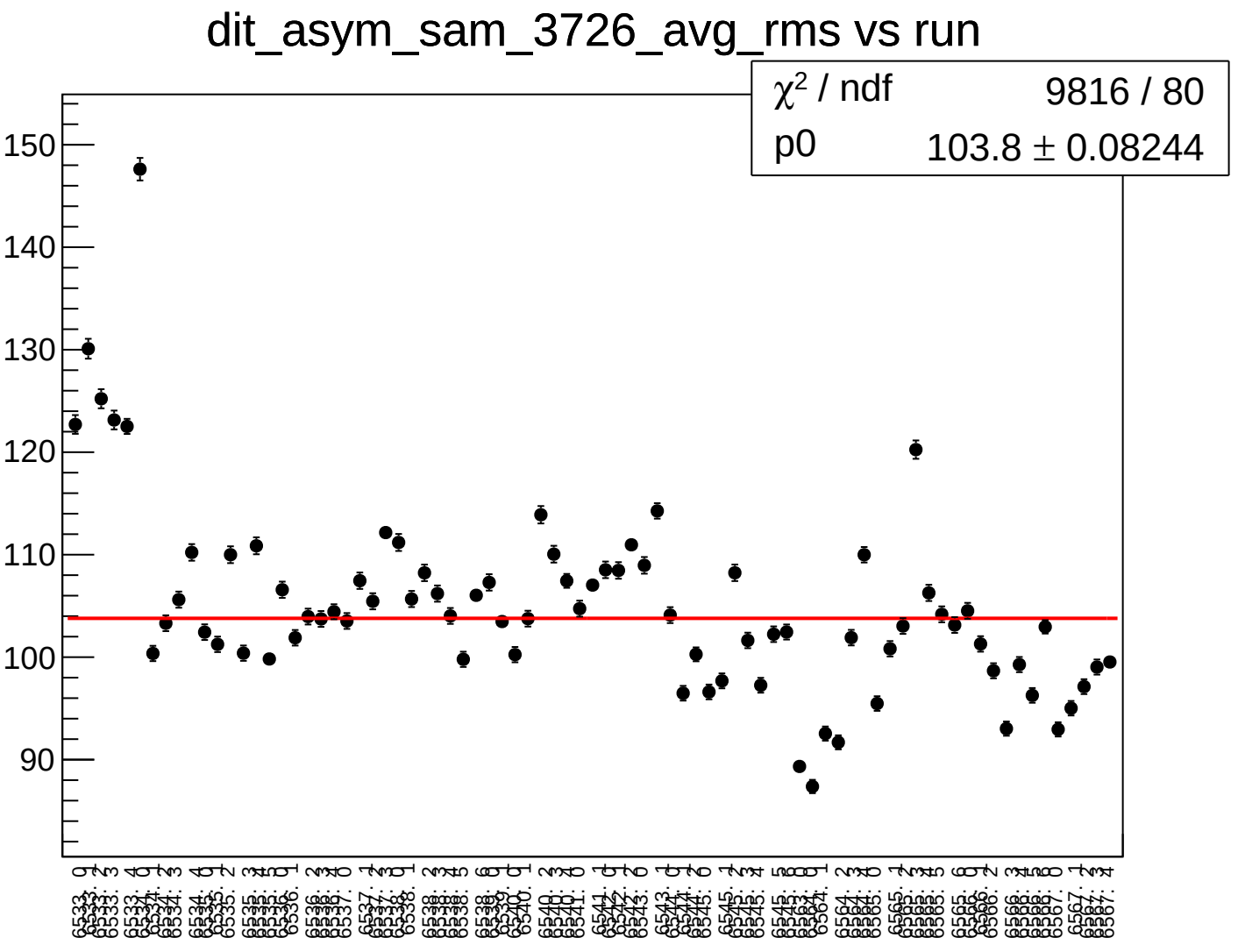

asym_sam_1526_avg_mean vs run
χ² / ndf 85.76 / 80
p0 619.7 ± 463.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 2700
Std Dev 2660
2
1
0
−1
−2

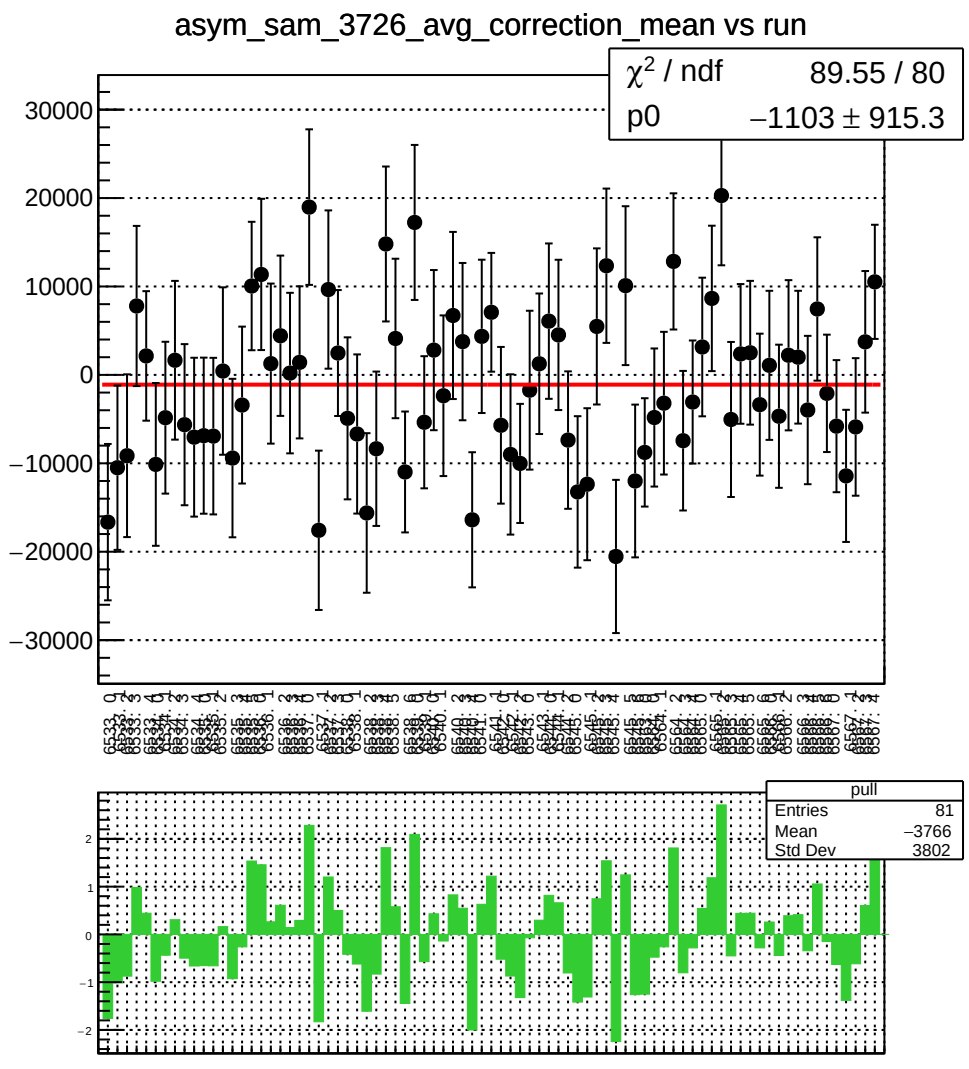

pull1D
Entries 81
Mean −0.000988
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

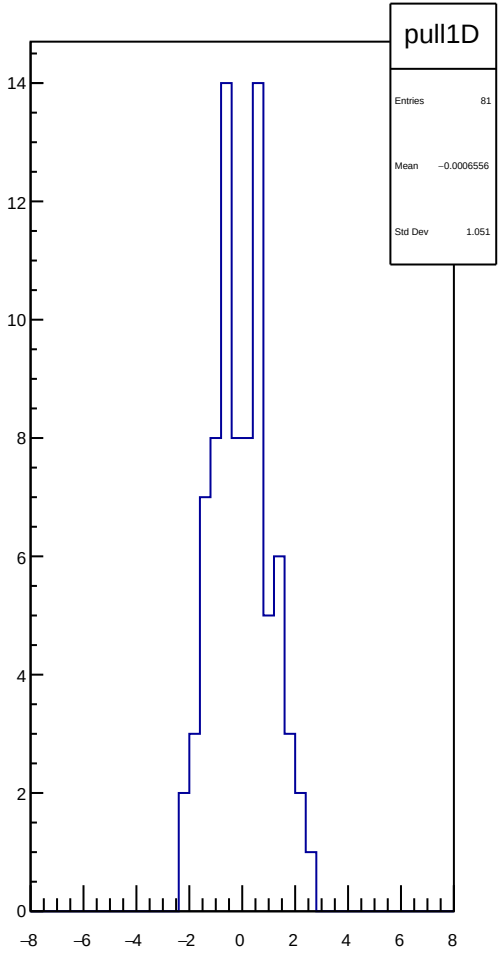

asym_sam_1526_avg_rms vs run
χ² / ndf 5080 / 80
p0 413.6 ± 0.328
480
460
440
420
400
380
360

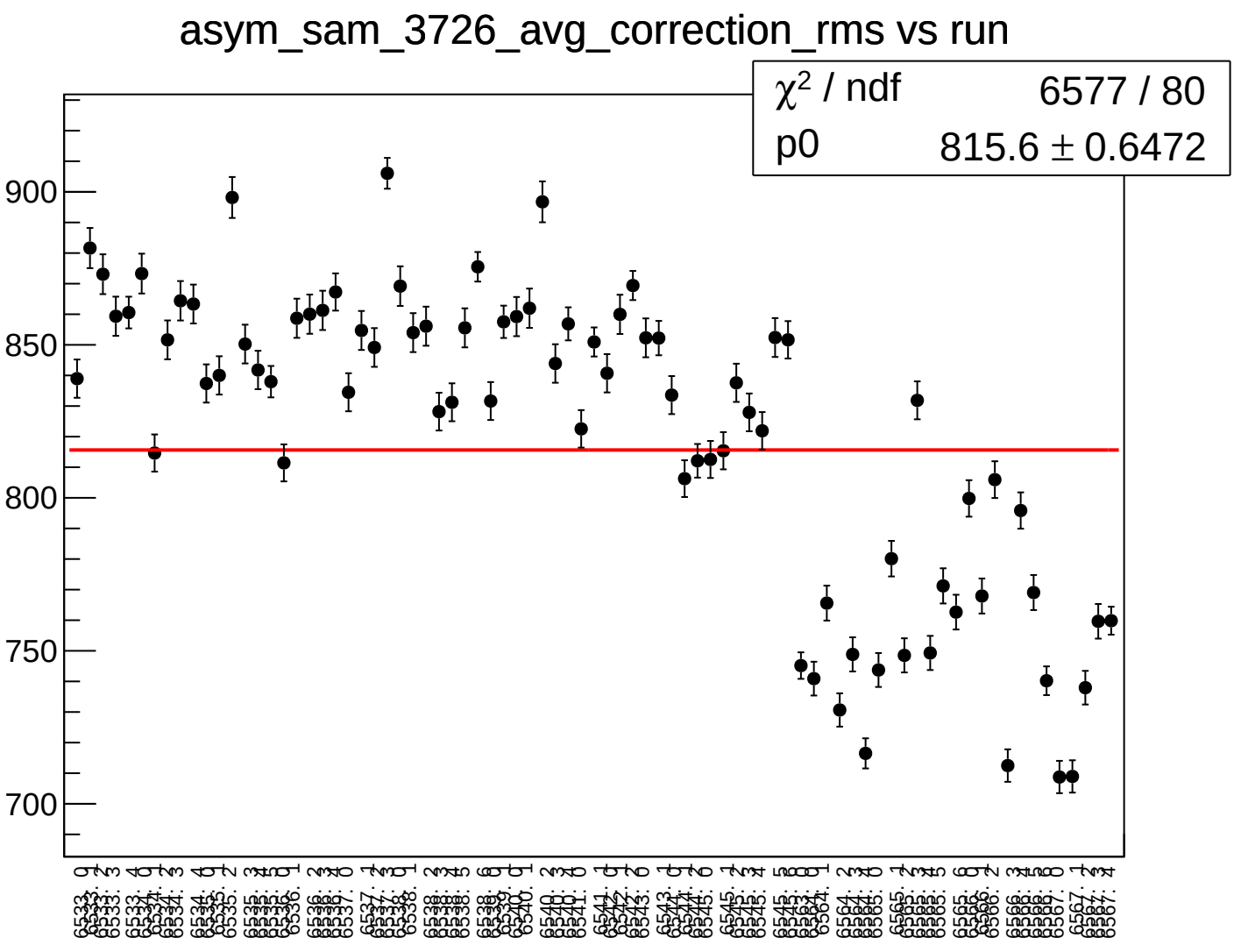

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 87.6 / 80
p0 −163.2 ± 116.6
pull
Entries 81
Mean −121.5
Std Dev 171.4

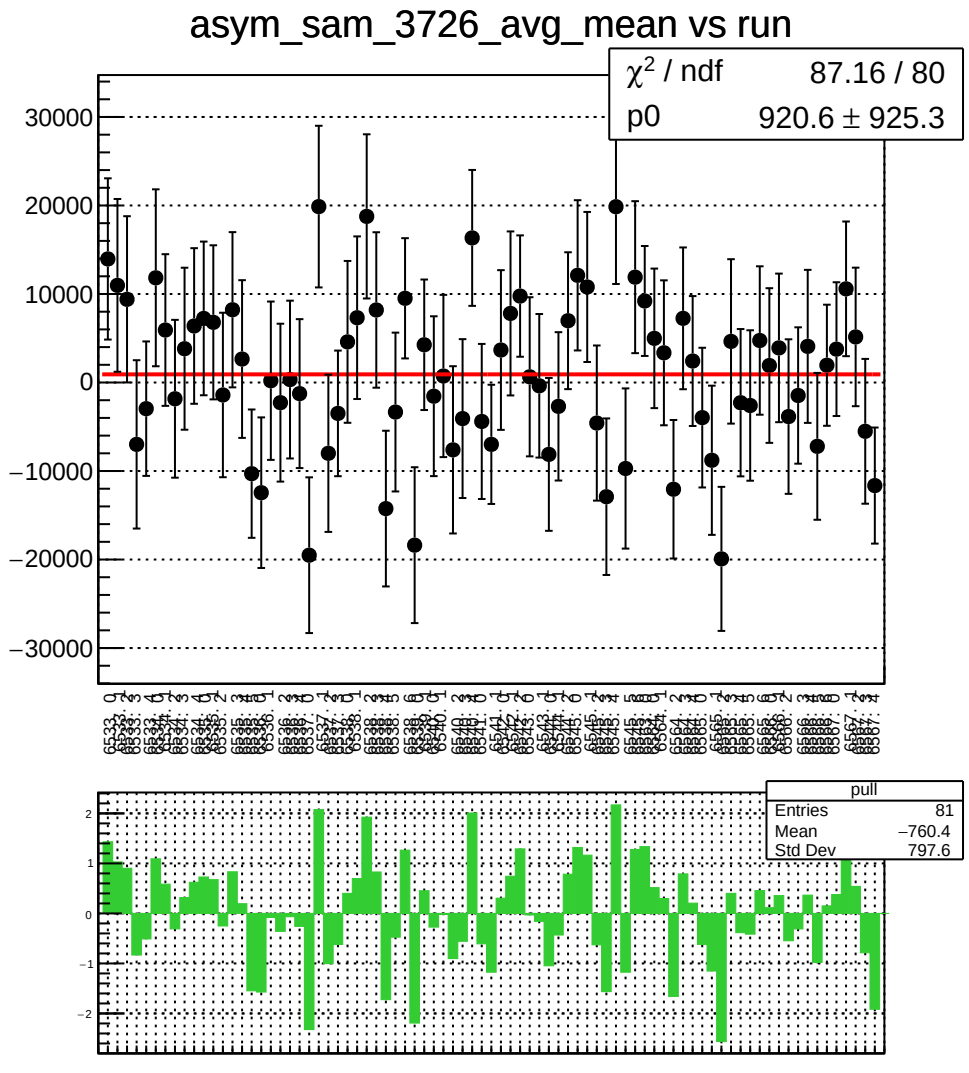

pull1D
Entries 81
Mean 0.01404
Std Dev 1.04

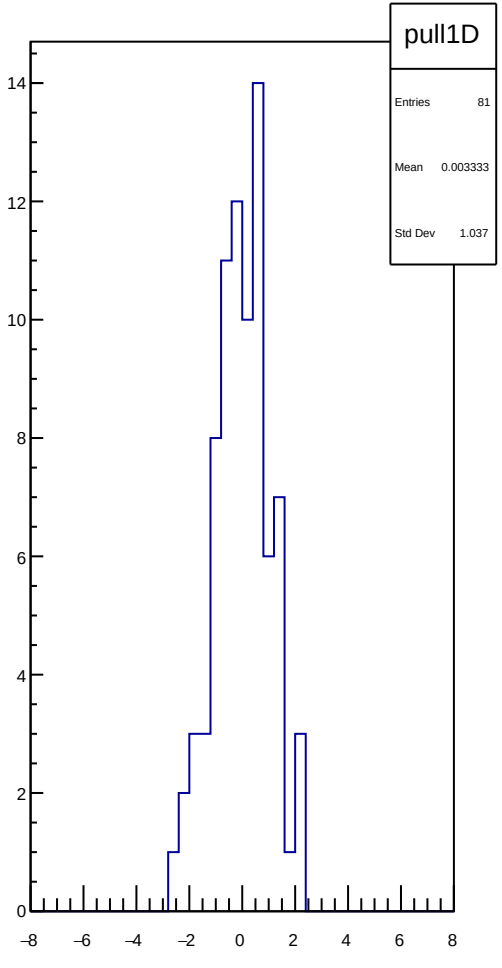

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 9816 / 80
p0 103.8 ± 0.08244
150
140
130
120
110
100
90

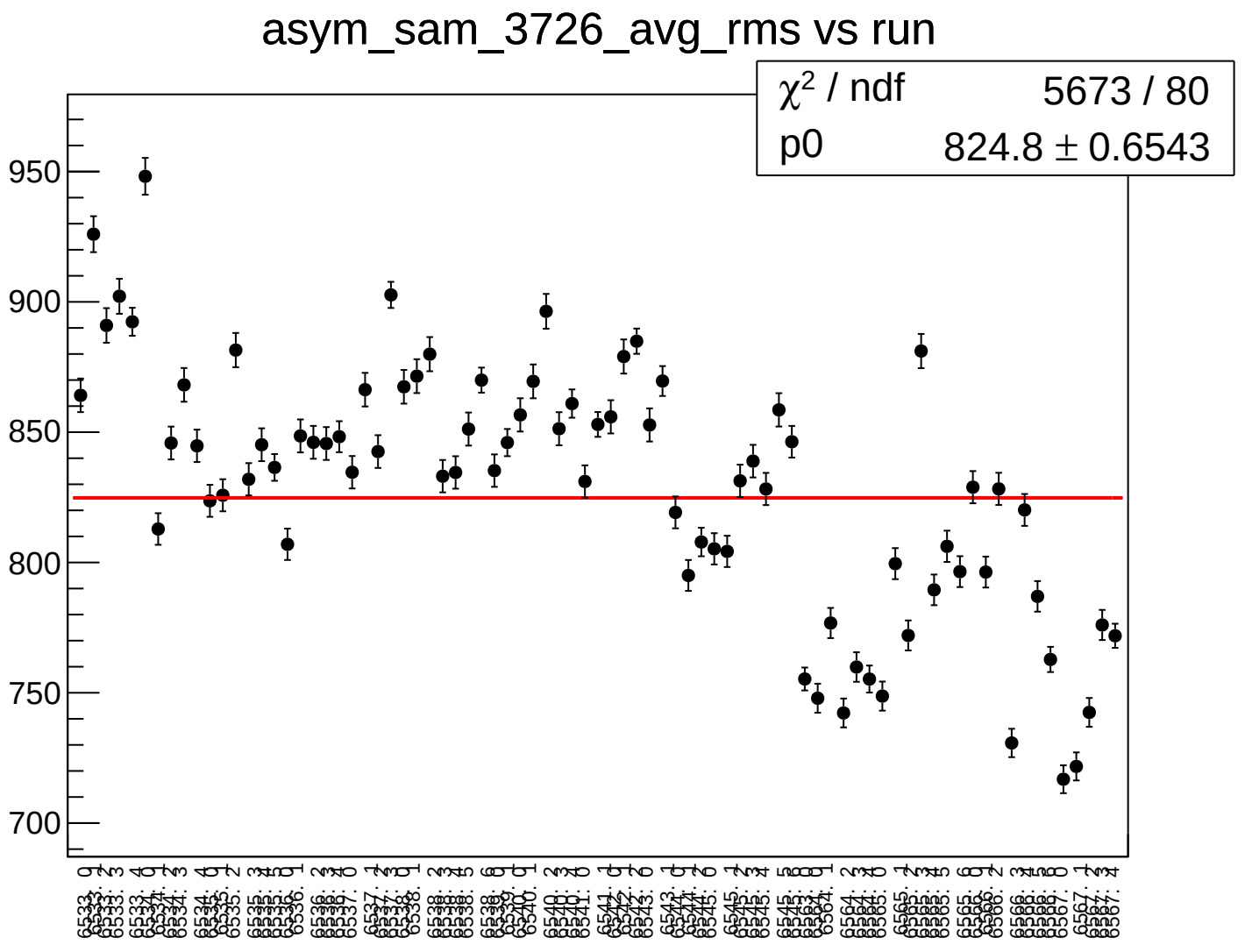

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 89.55 / 80
p0 −1103 ± 915.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −3766
Std Dev 3802
2
1
0
−1
−2

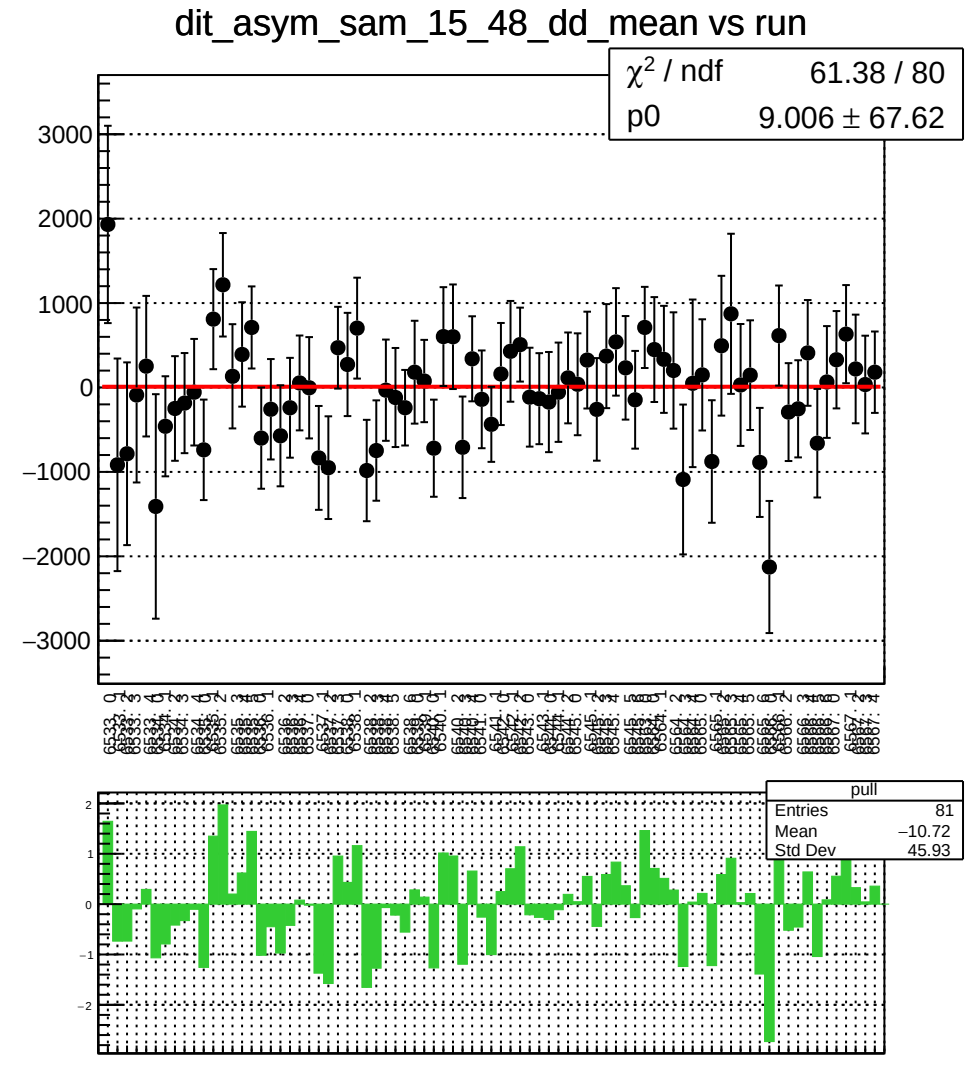

pull1D
Entries 81
Mean −0.0006556
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

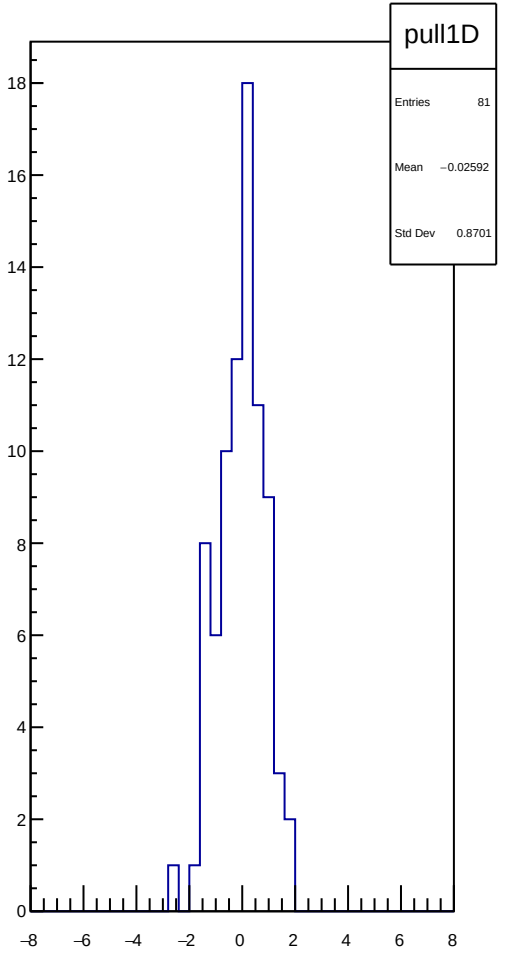

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 6577 / 80
p0 815.6 ± 0.6472
900
850
800
750
700

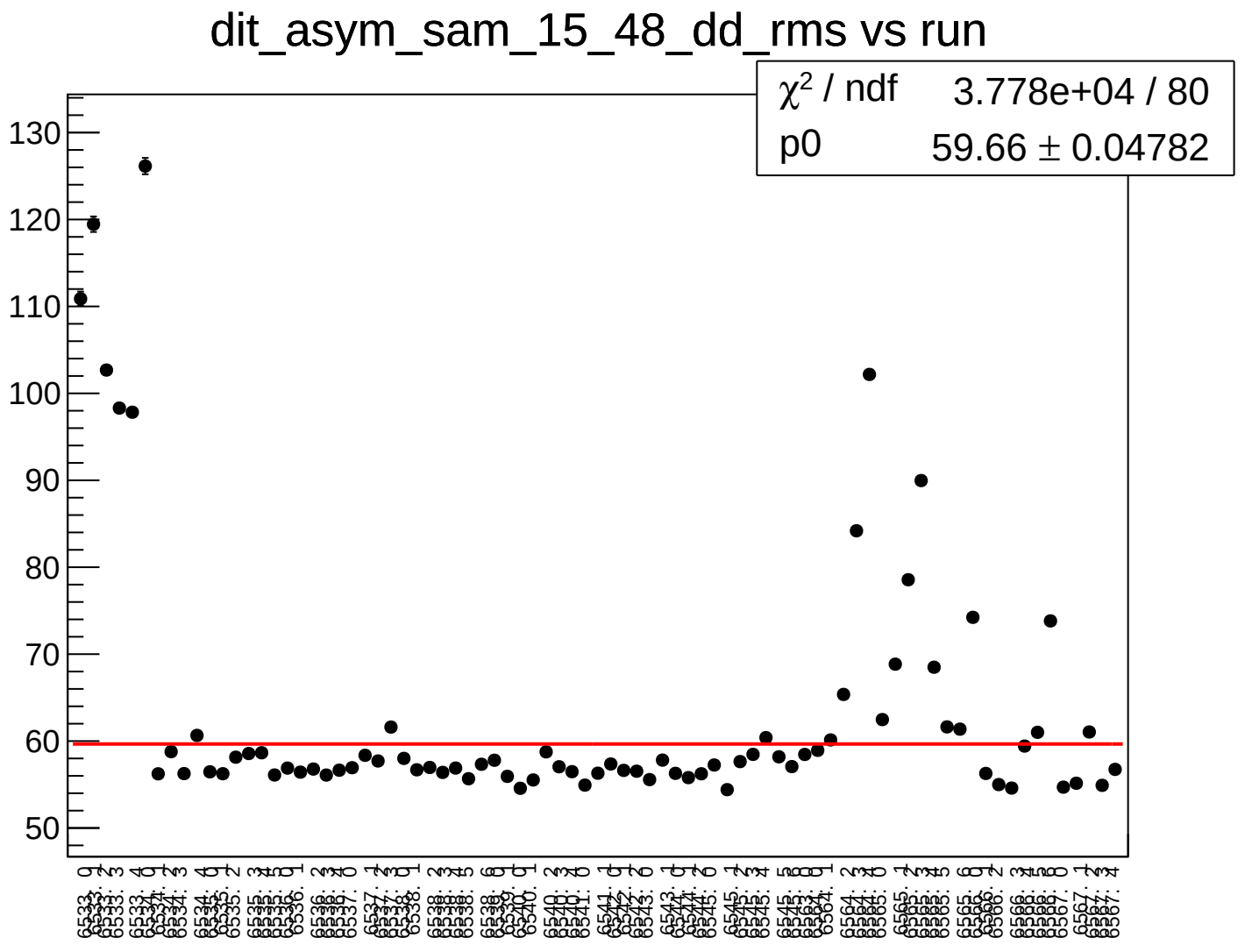

asym_sam_3726_avg_mean vs run
χ² / ndf 87.16 / 80
p0 920.6 ± 925.3
pull
Entries 81
Mean −760.4
Std Dev 797.6

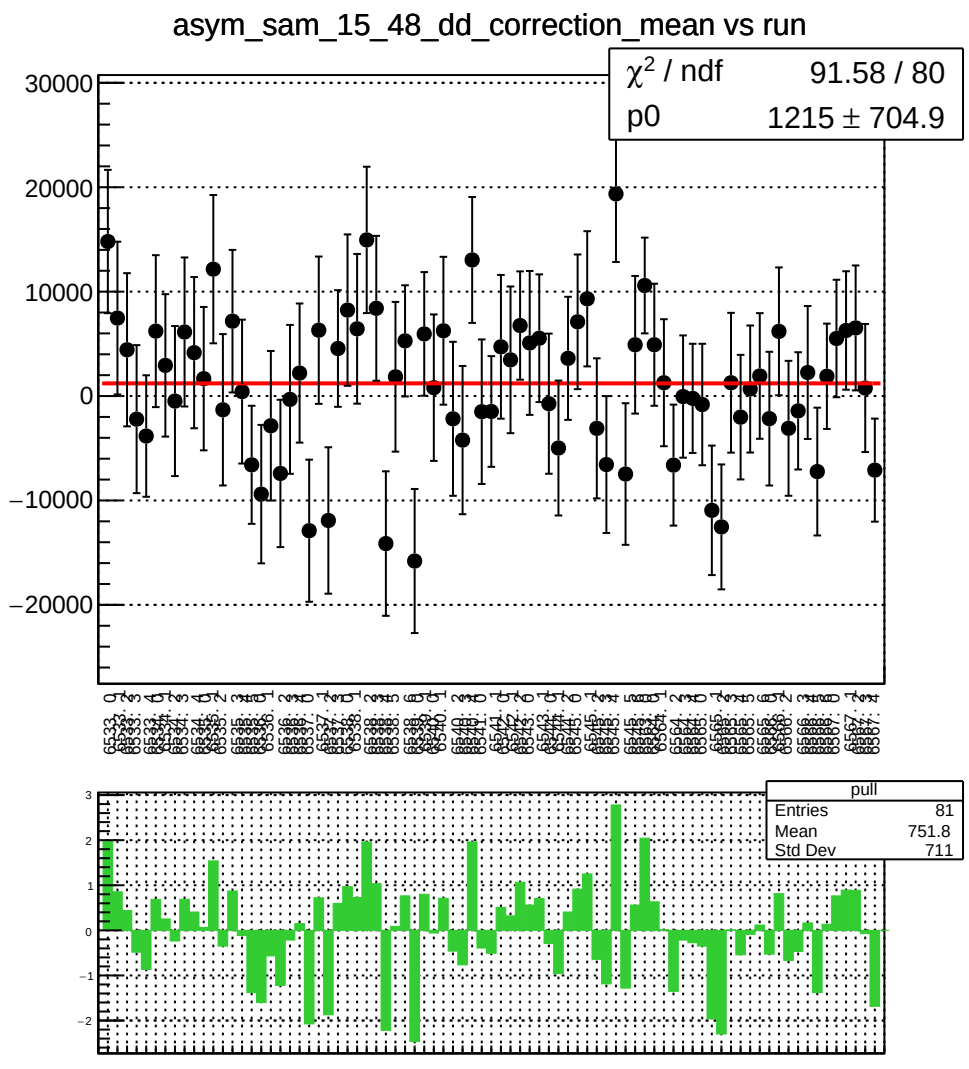

pull1D
Entries 81
Mean 0.003333
Std Dev 1.037

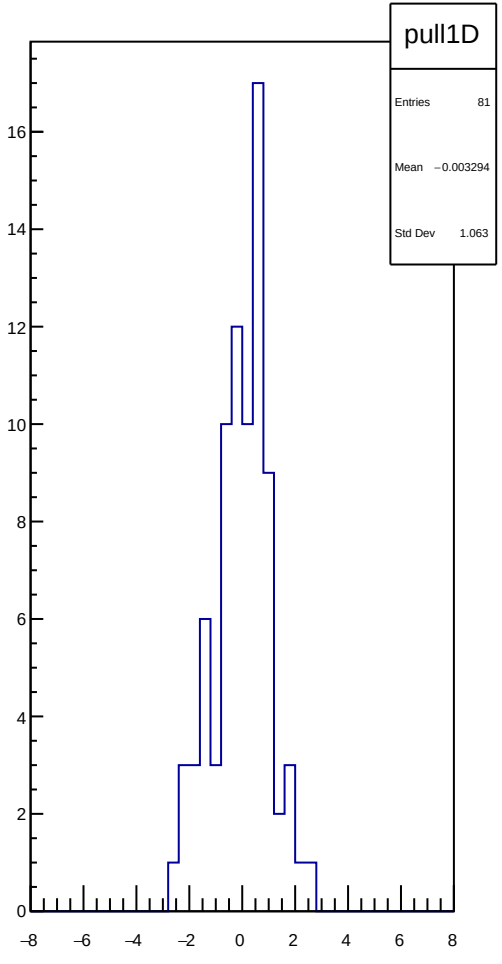

asym_sam_3726_avg_rms vs run
χ² / ndf 5673 / 80
p0 824.8 ± 0.6543
950
900
850
800
750
700

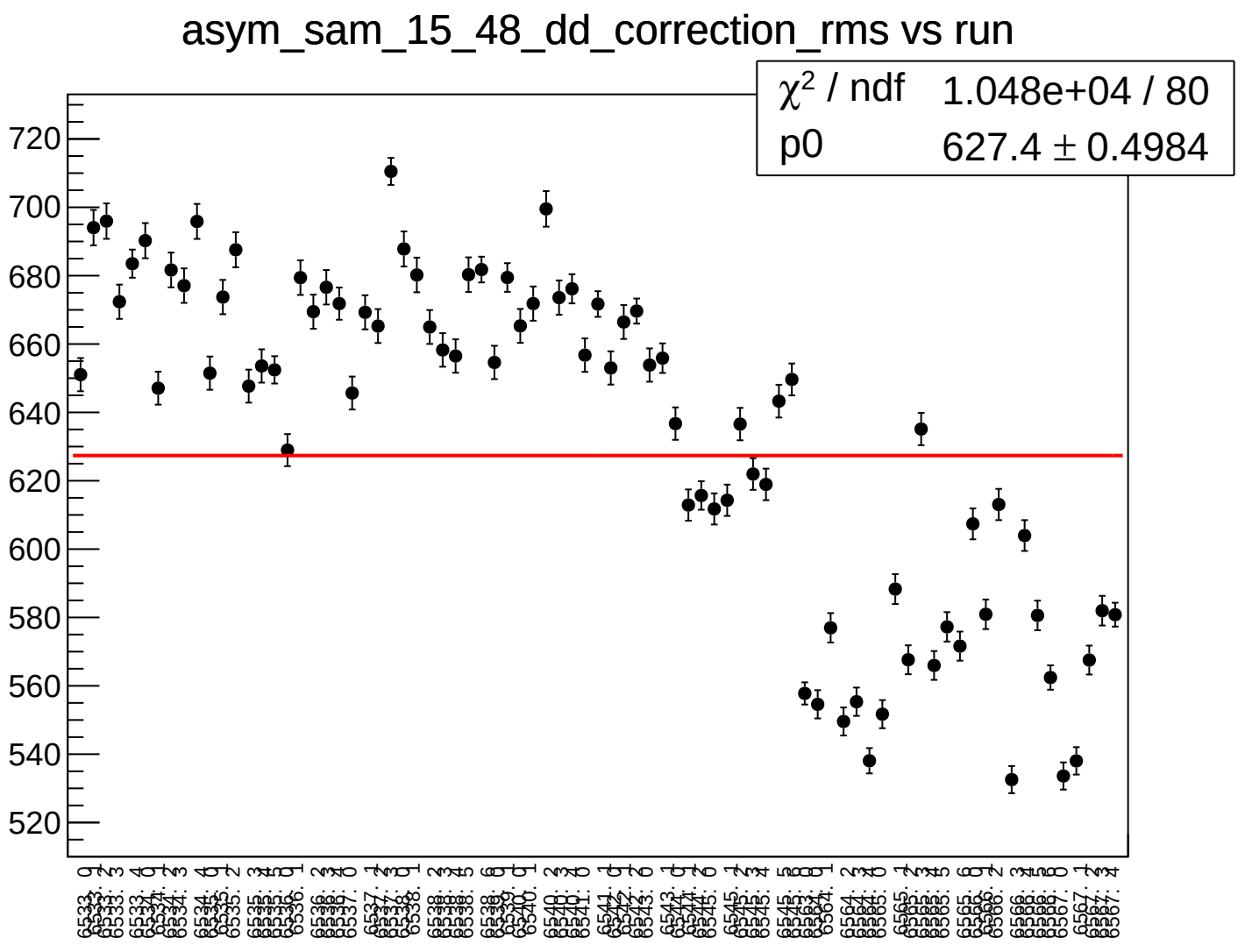

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 61.38 / 80
p0 9.006 ± 67.62
pull
Entries 81
Mean −10.72
Std Dev 45.93

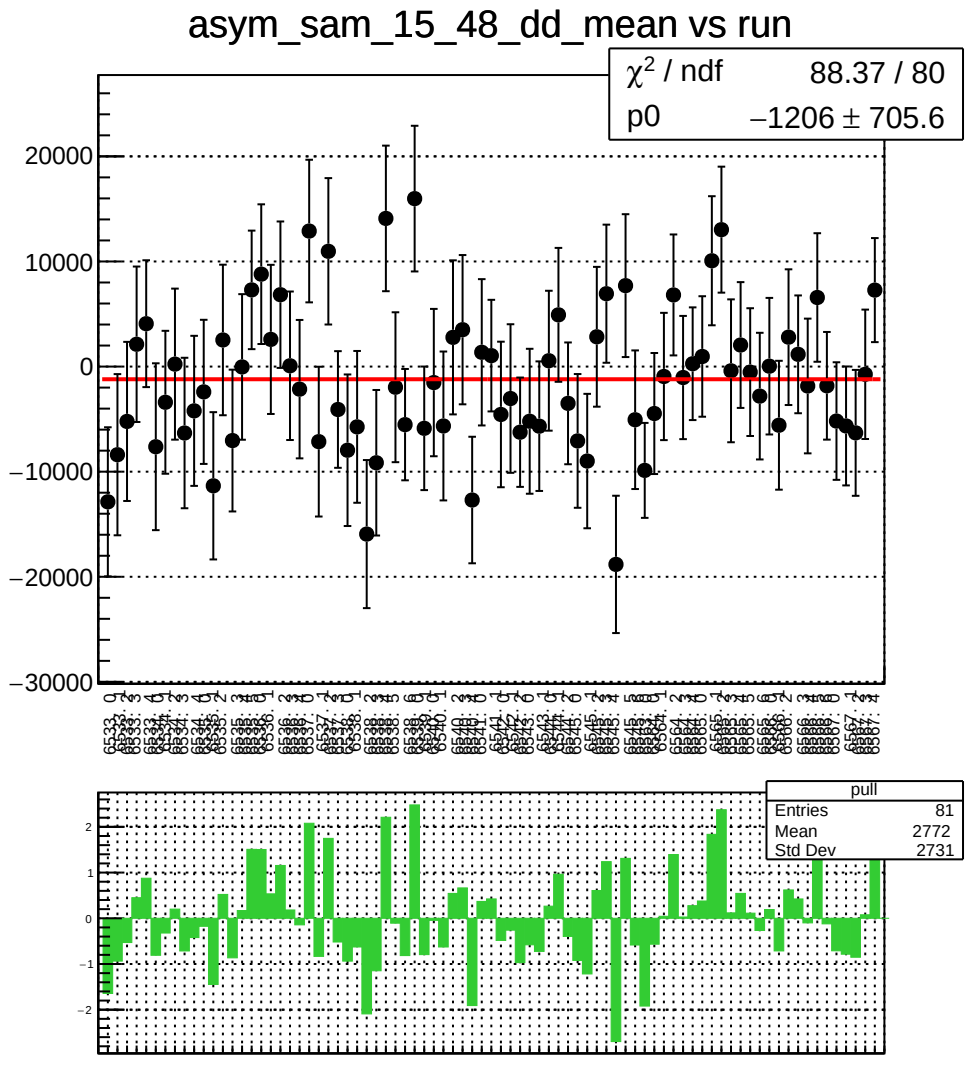

pull1D
Entries 81
Mean −0.02592
Std Dev 0.8701

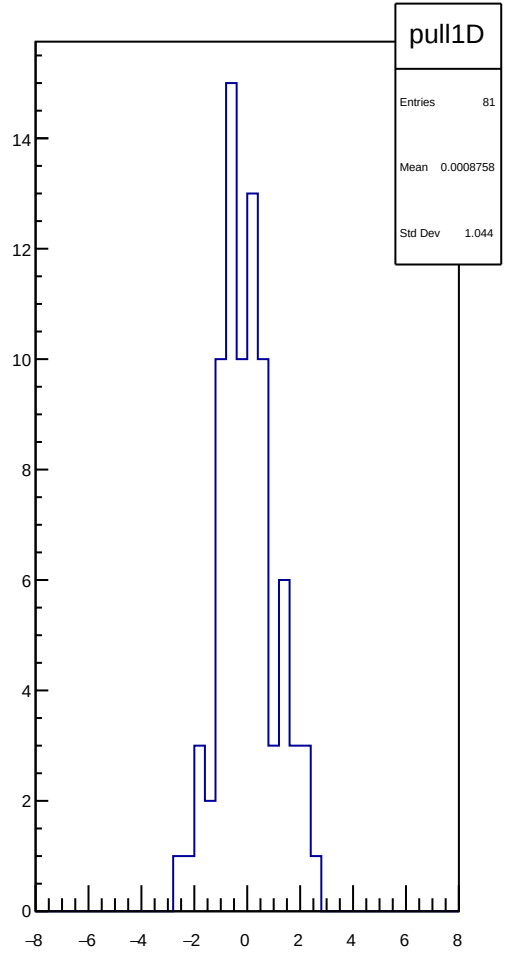

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3.778e+04 / 80
p0 59.66 ± 0.04782
130
120
110
100
90
80
70
60
50

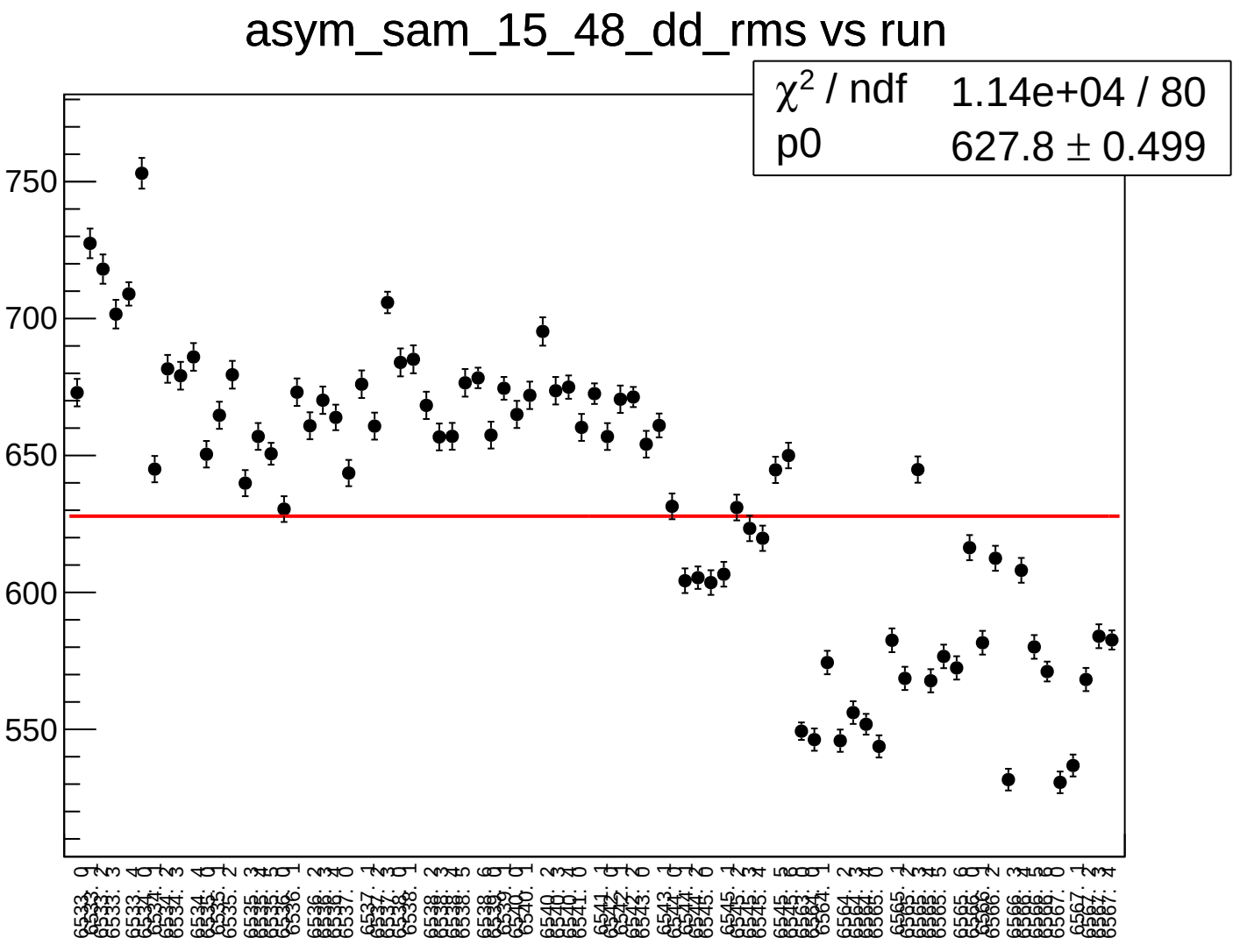

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 91.58 / 80
p0 1215 ± 704.9
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 751.8
Std Dev 711
3
2
1
0
−1
−2

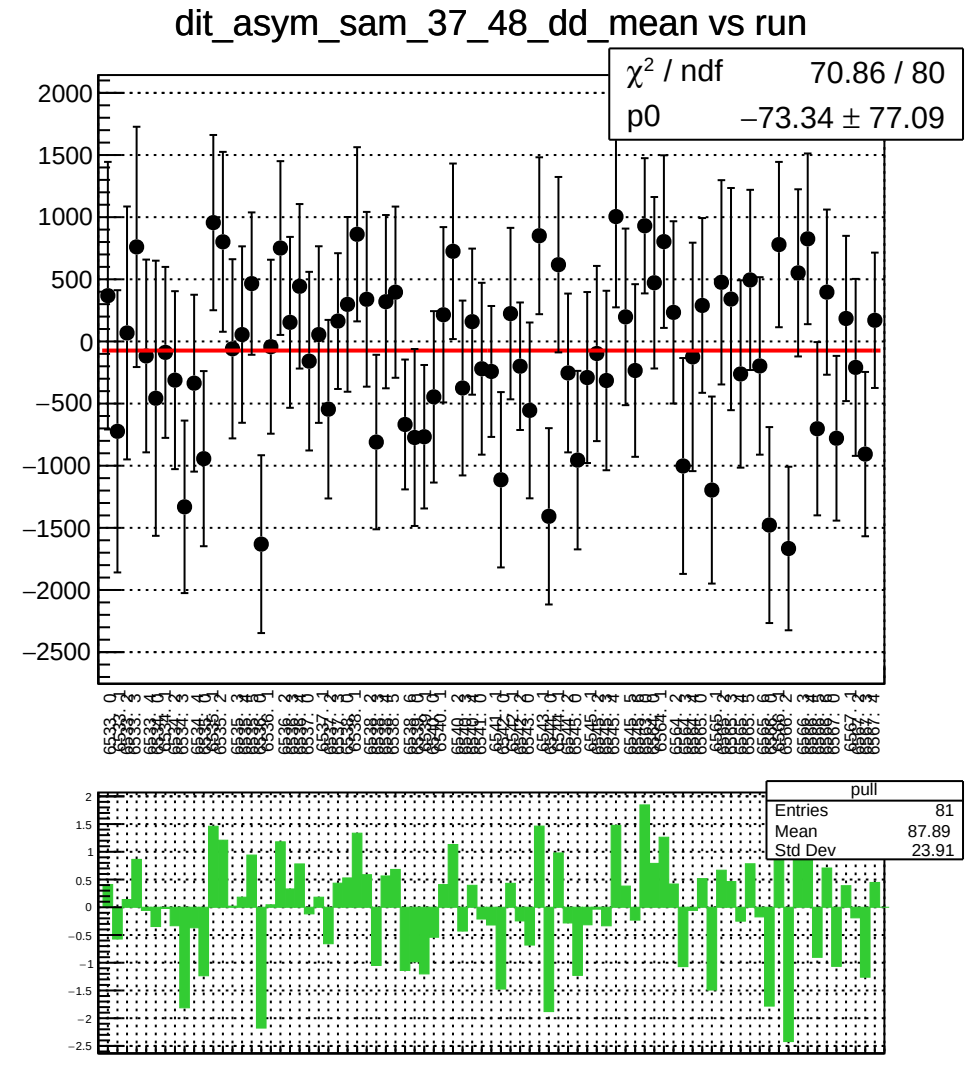

pull1D
Entries 81
Mean −0.003294
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

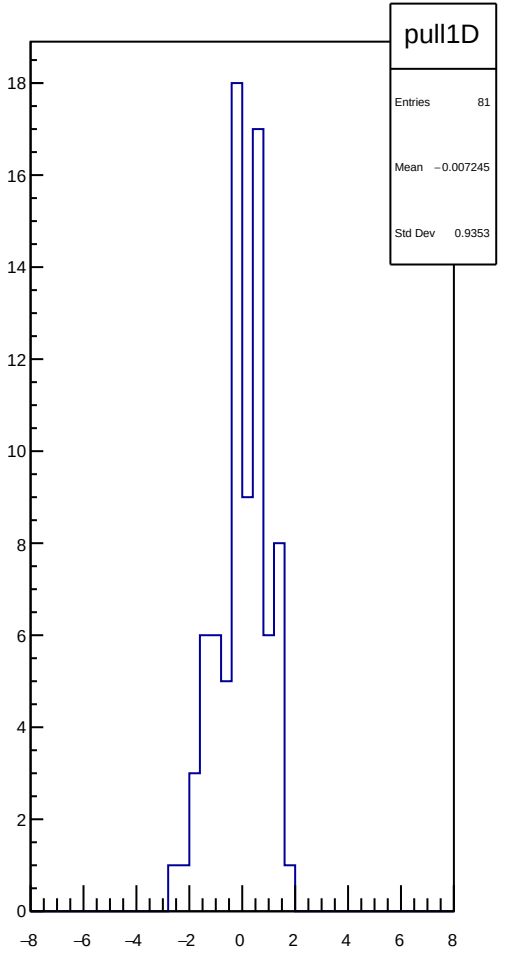

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1.048e+04 / 80
p0 627.4 ± 0.4984
720
700
680
660
640
620
600
580
560
540
520

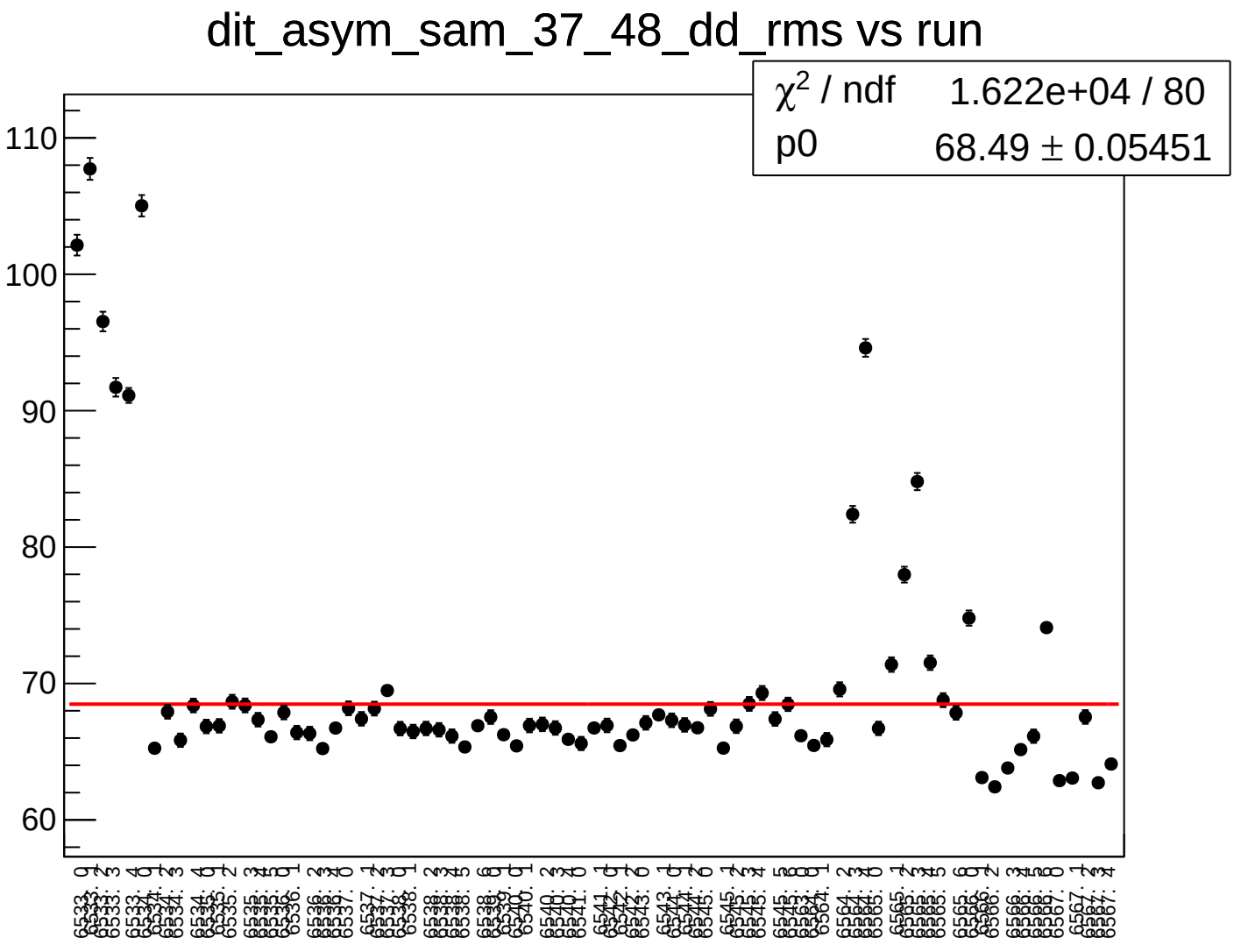

asym_sam_15_48_dd_mean vs run
χ² / ndf 88.37 / 80
p0 −1206 ± 705.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 2772
Std Dev 2731
2
1
0
−1
−2

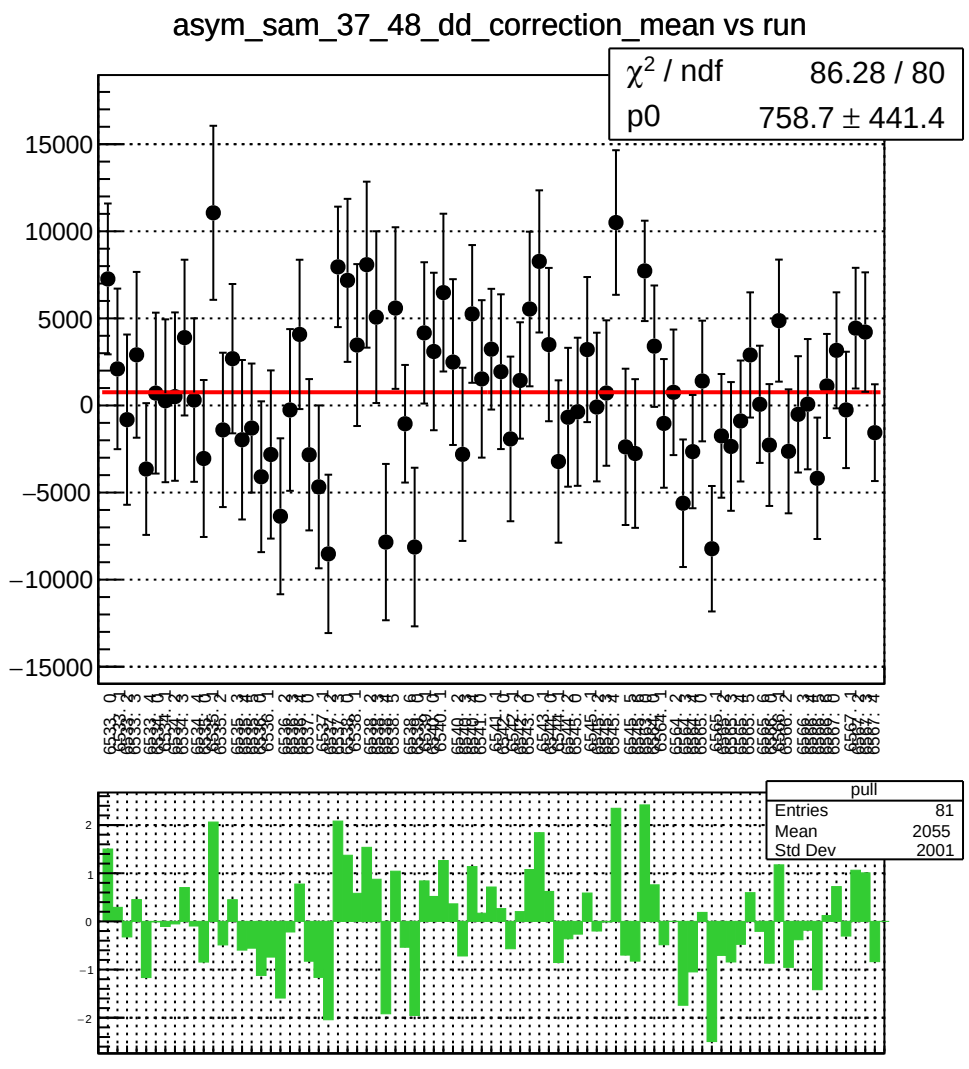

pull1D
Entries 81
Mean 0.0008758
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

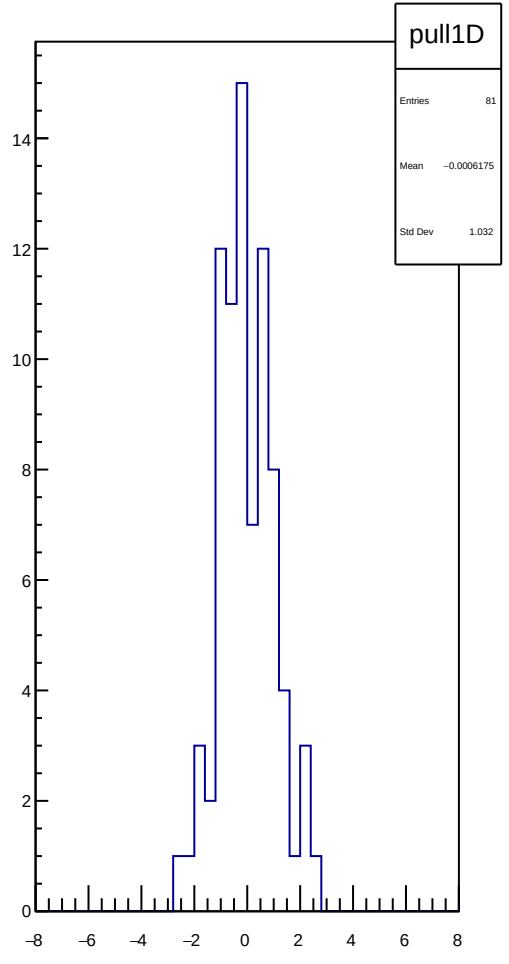

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.14e+04 / 80
p0 627.8 ± 0.499
750
700
650
600
550

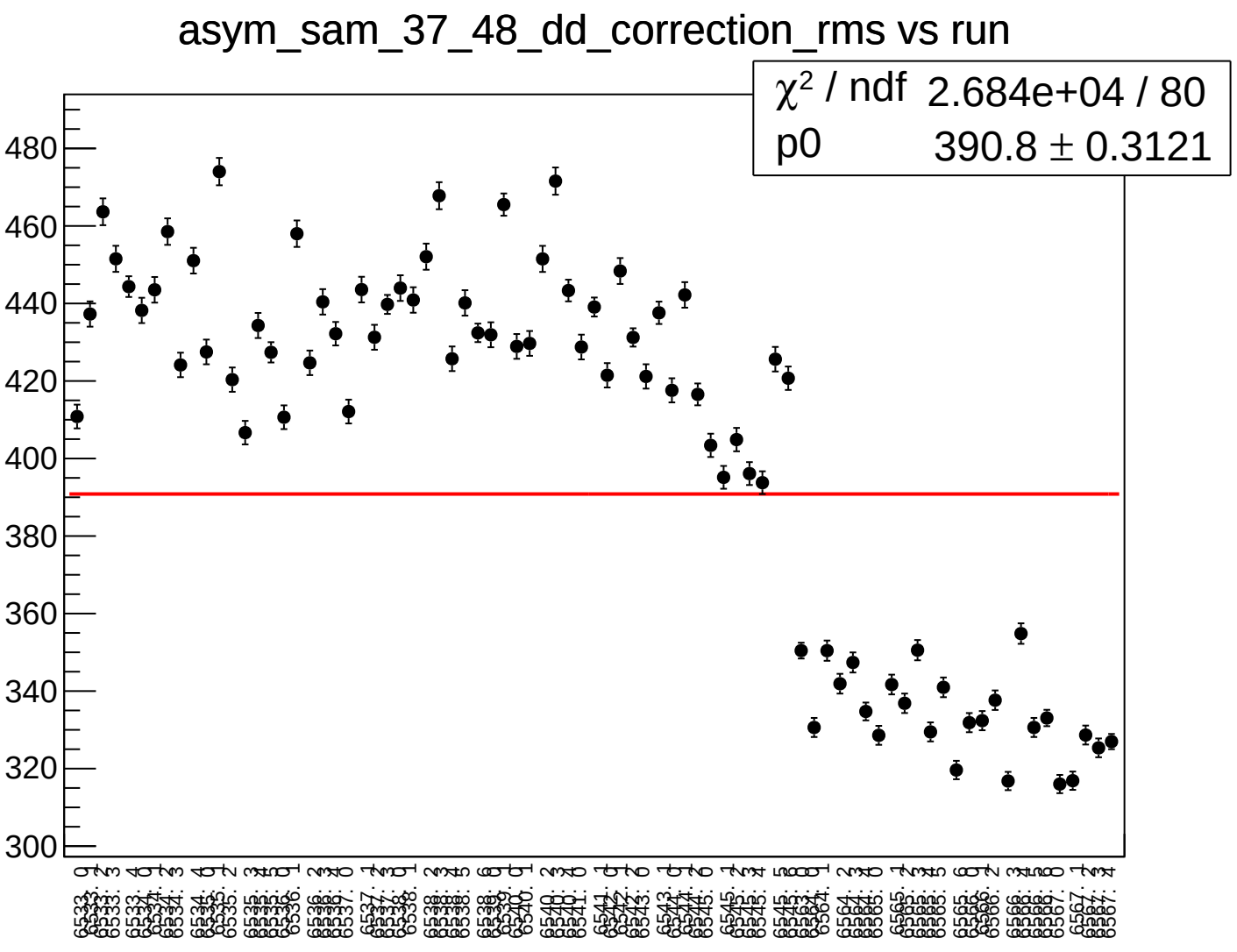

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 70.86 / 80
p0 −73.34 ± 77.09
pull
Entries 81
Mean 87.89
Std Dev 23.91

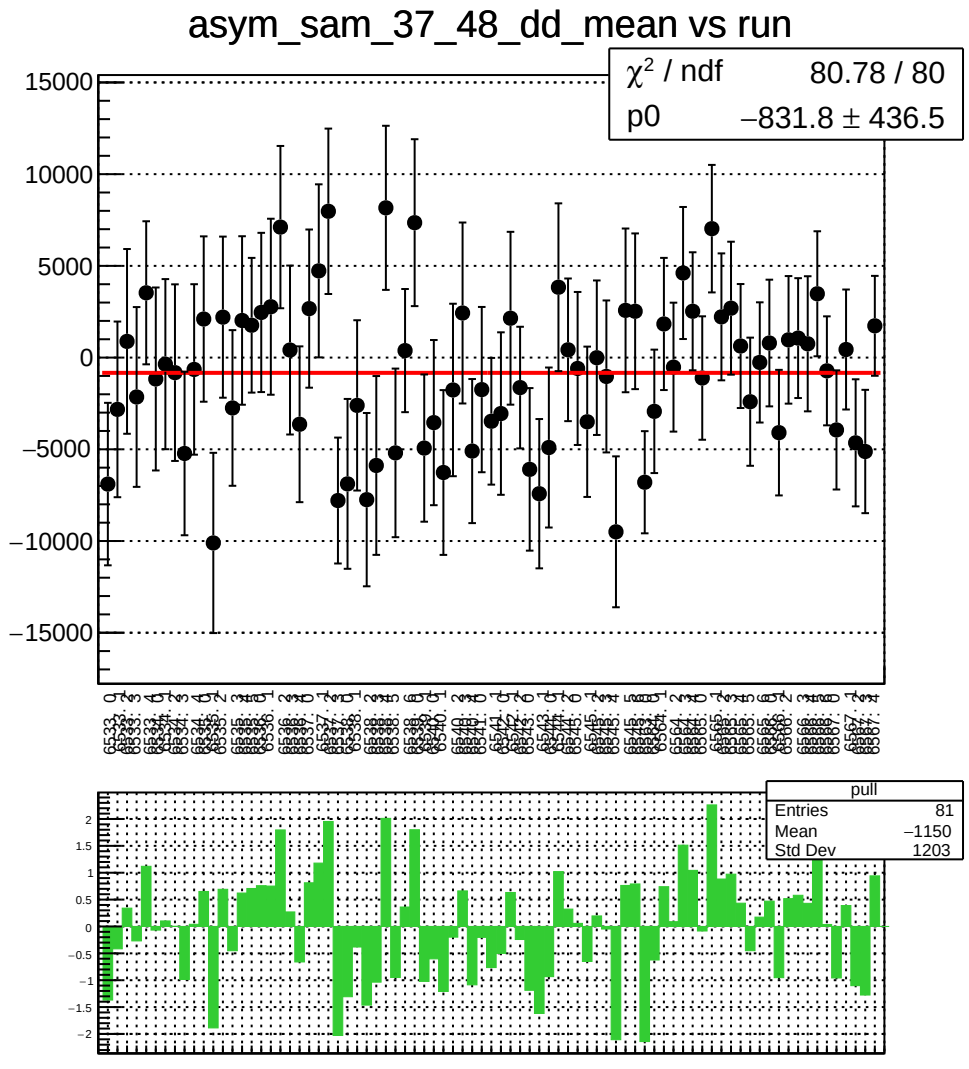

pull1D
Entries 81
Mean −0.007245
Std Dev 0.9353

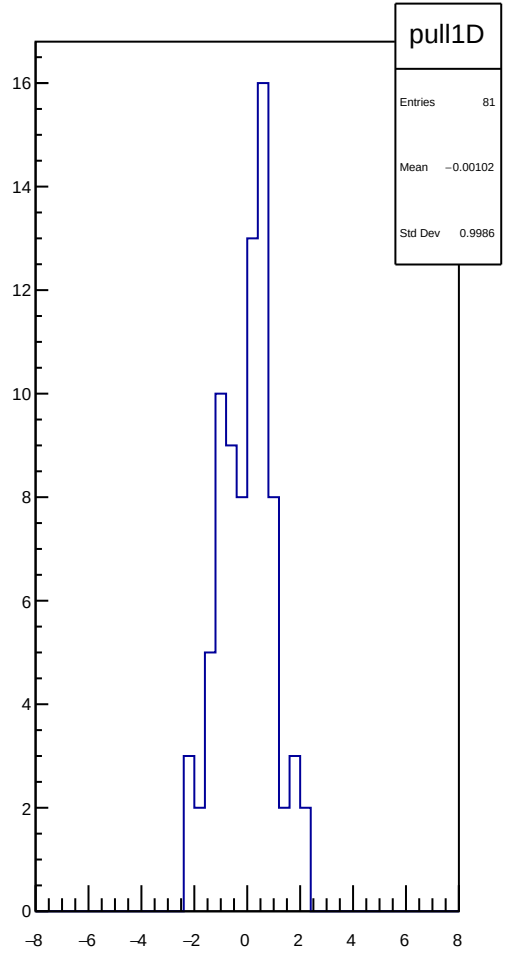

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.622e+04 / 80
p0 68.49 ± 0.05451
110
100
90
80
70
60

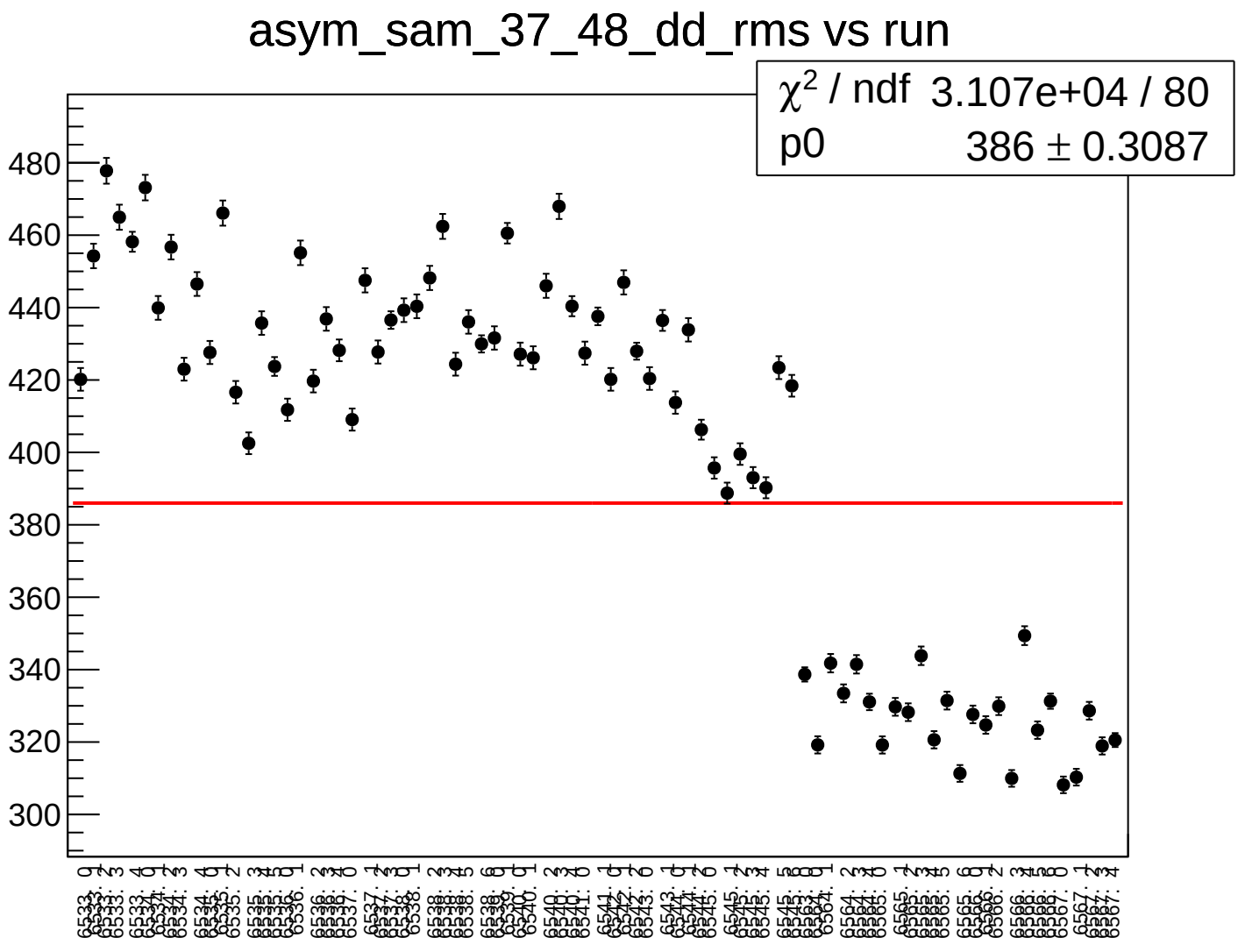

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 86.28 / 80
p0 758.7 ± 441.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 2055
Std Dev 2001
2
1
0
−1
−2

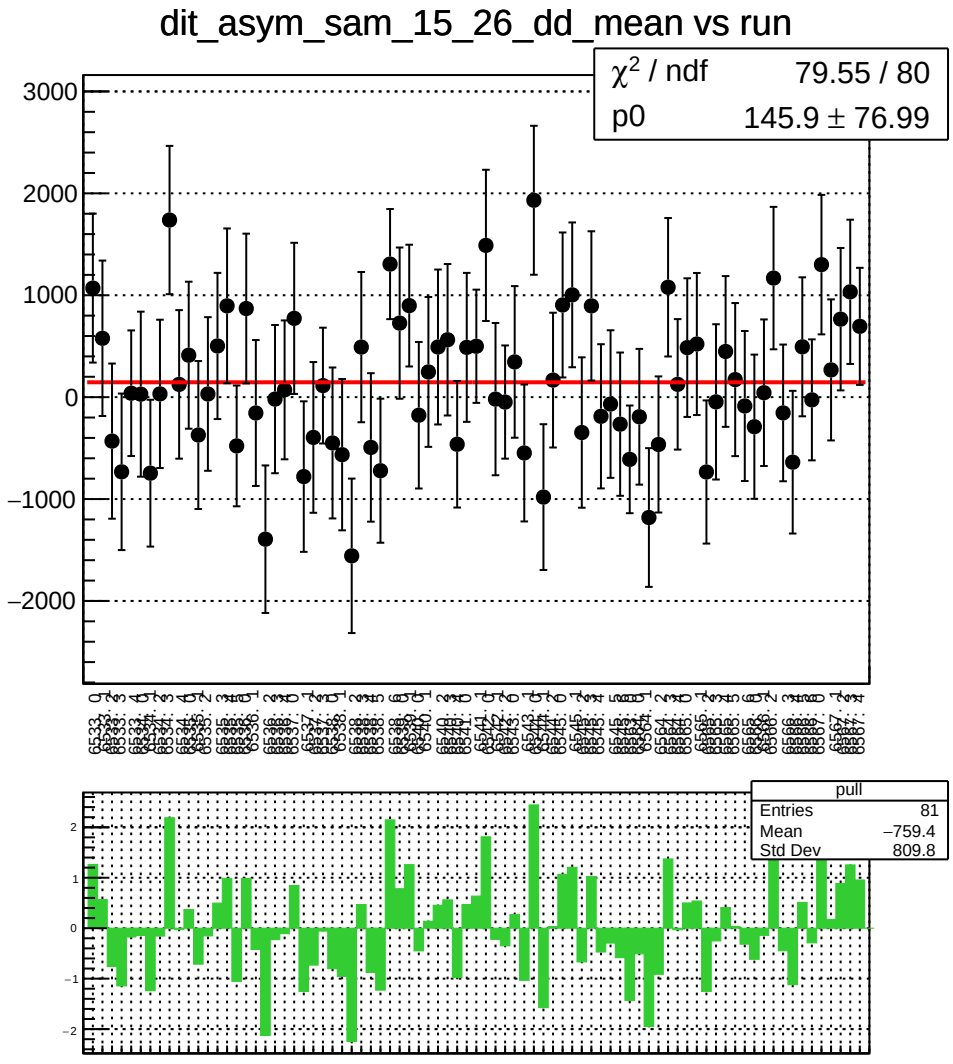

pull1D
Entries 81
Mean −0.0006175
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

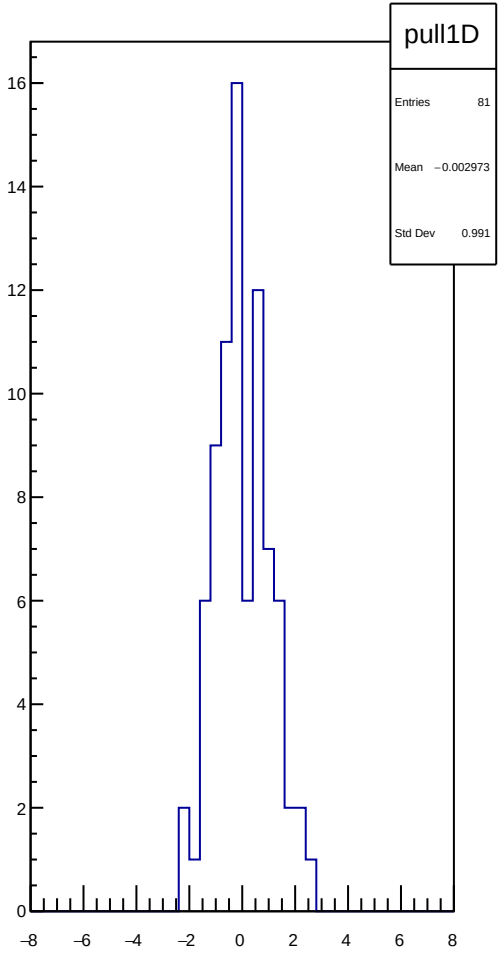

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2.684e+04 / 80
p0 390.8 ± 0.3121
480
460
440
420
400
380
360
340
320
300

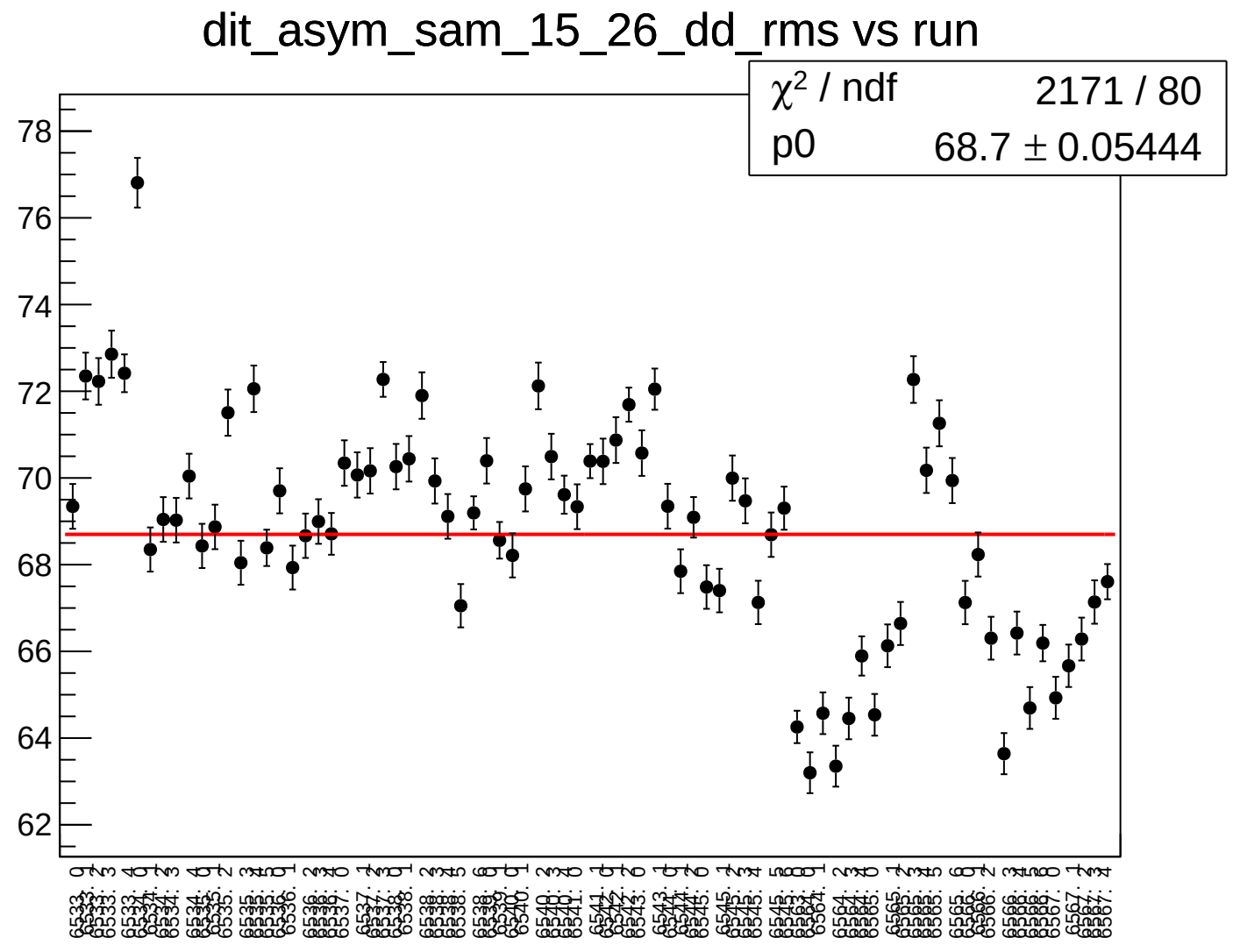

asym_sam_37_48_dd_mean vs run
χ² / ndf 80.78 / 80
p0 −831.8 ± 436.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −1150
Std Dev 1203
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

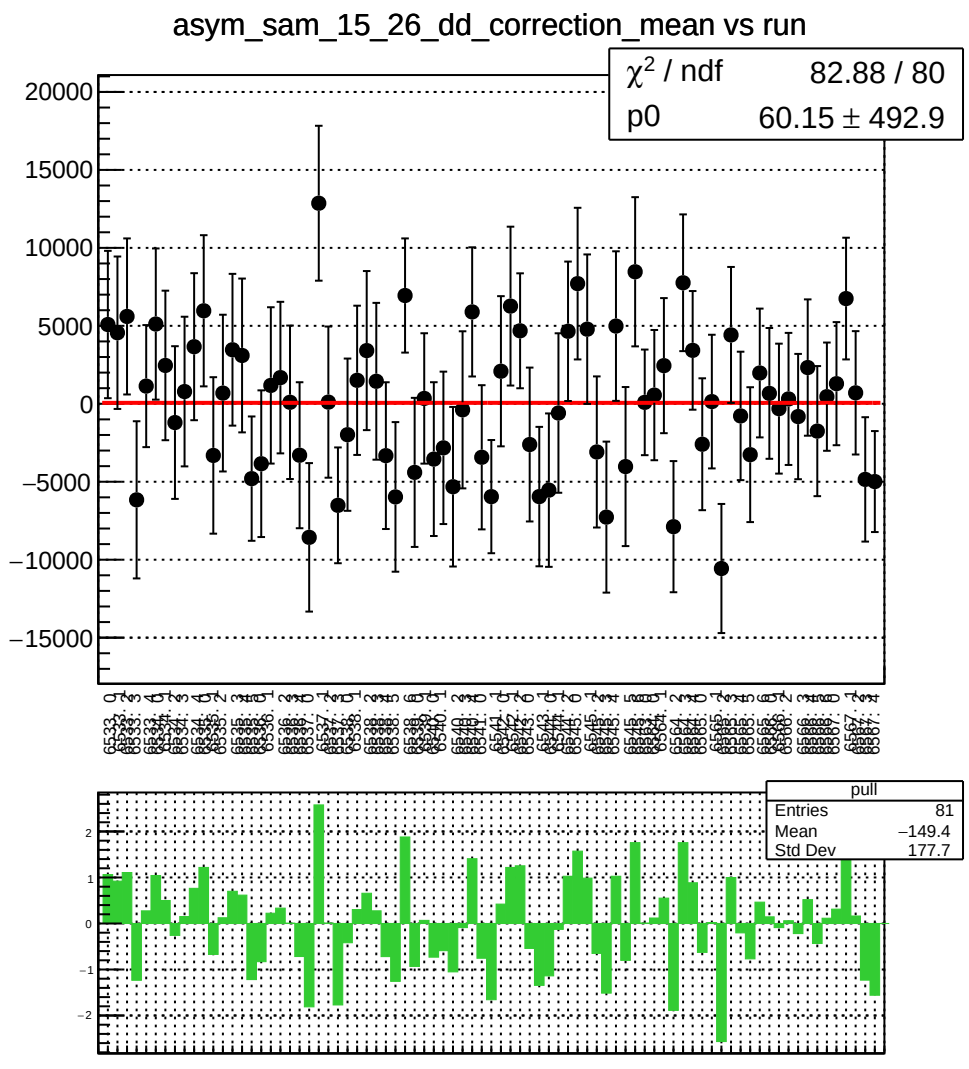

pull1D
Entries 81
Mean −0.00102
Std Dev 0.9986
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

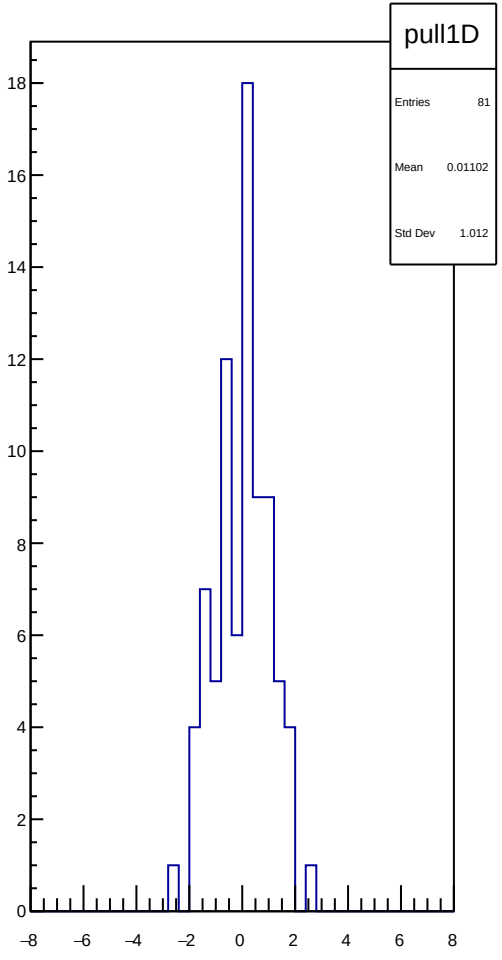

asym_sam_37_48_dd_rms vs run
χ² / ndf 3.107e+04 / 80
p0 386 ± 0.3087
480
460
440
420
400
380
360
340
320
300

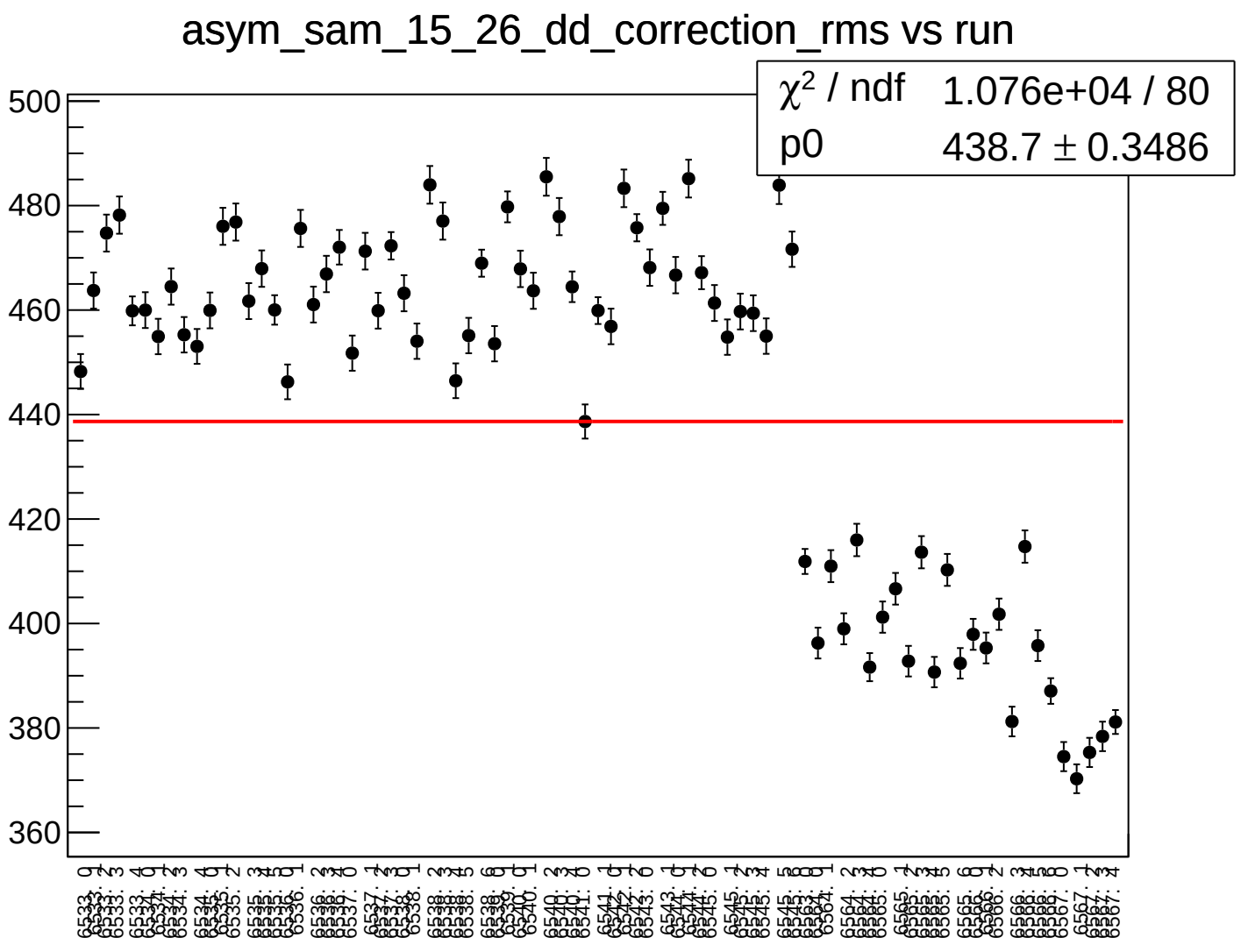

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 79.55 / 80
p0 145.9 ± 76.99
3000
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −759.4
Std Dev 809.8
2
1
0
−1
−2

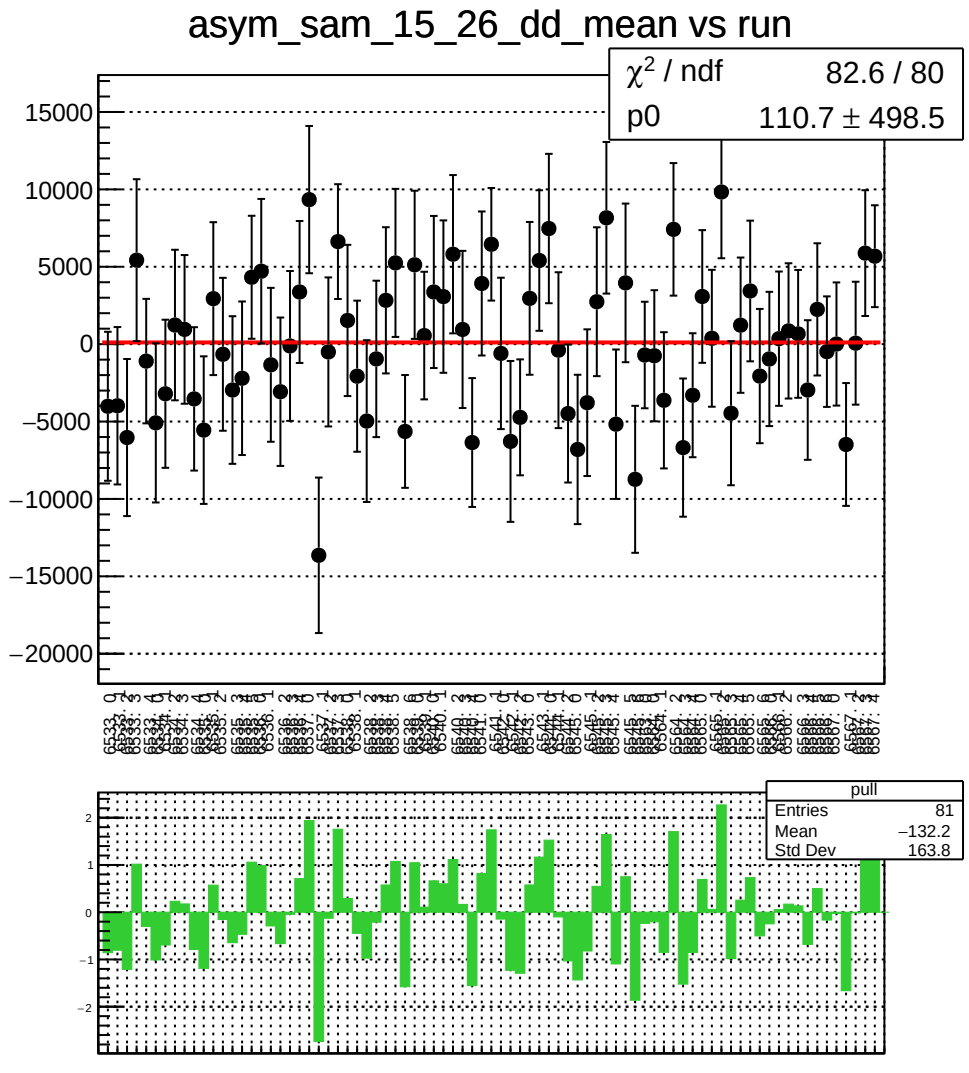

pull1D
Entries 81
Mean −0.002973
Std Dev 0.991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

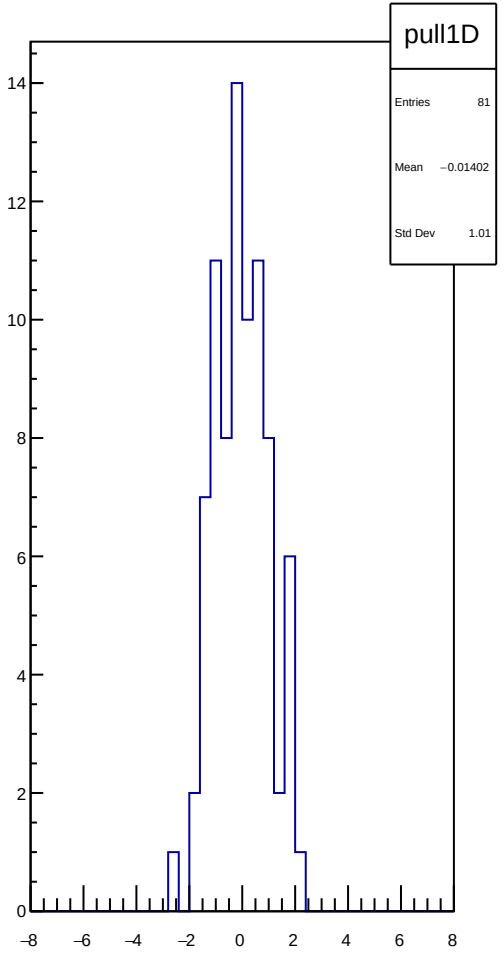

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2171 / 80
p0 68.7 ± 0.05444
78
76
74
72
70
68
66
64
62

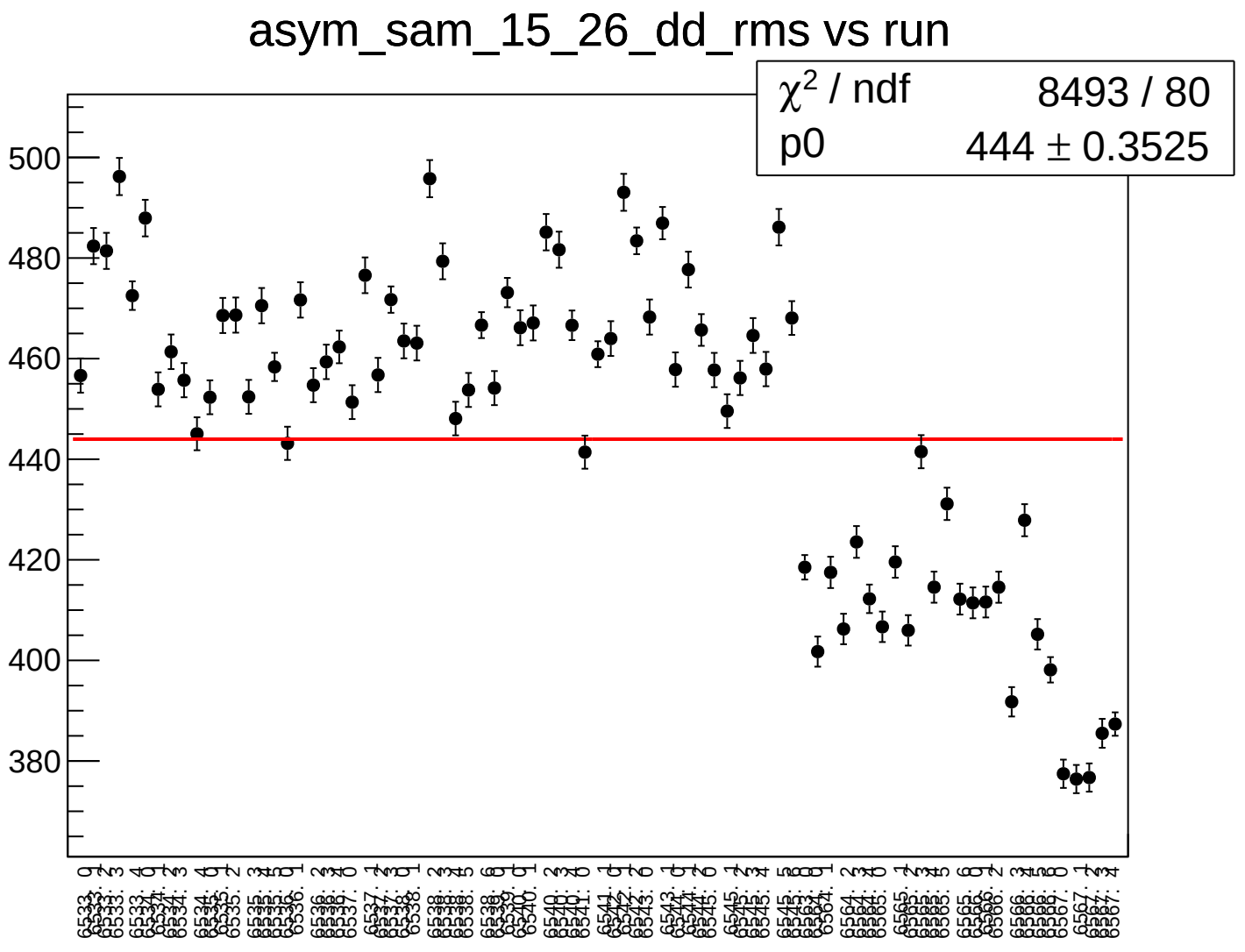

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 82.88 / 80
p0 60.15 ± 492.9
pull
Entries 81
Mean −149.4
Std Dev 177.7

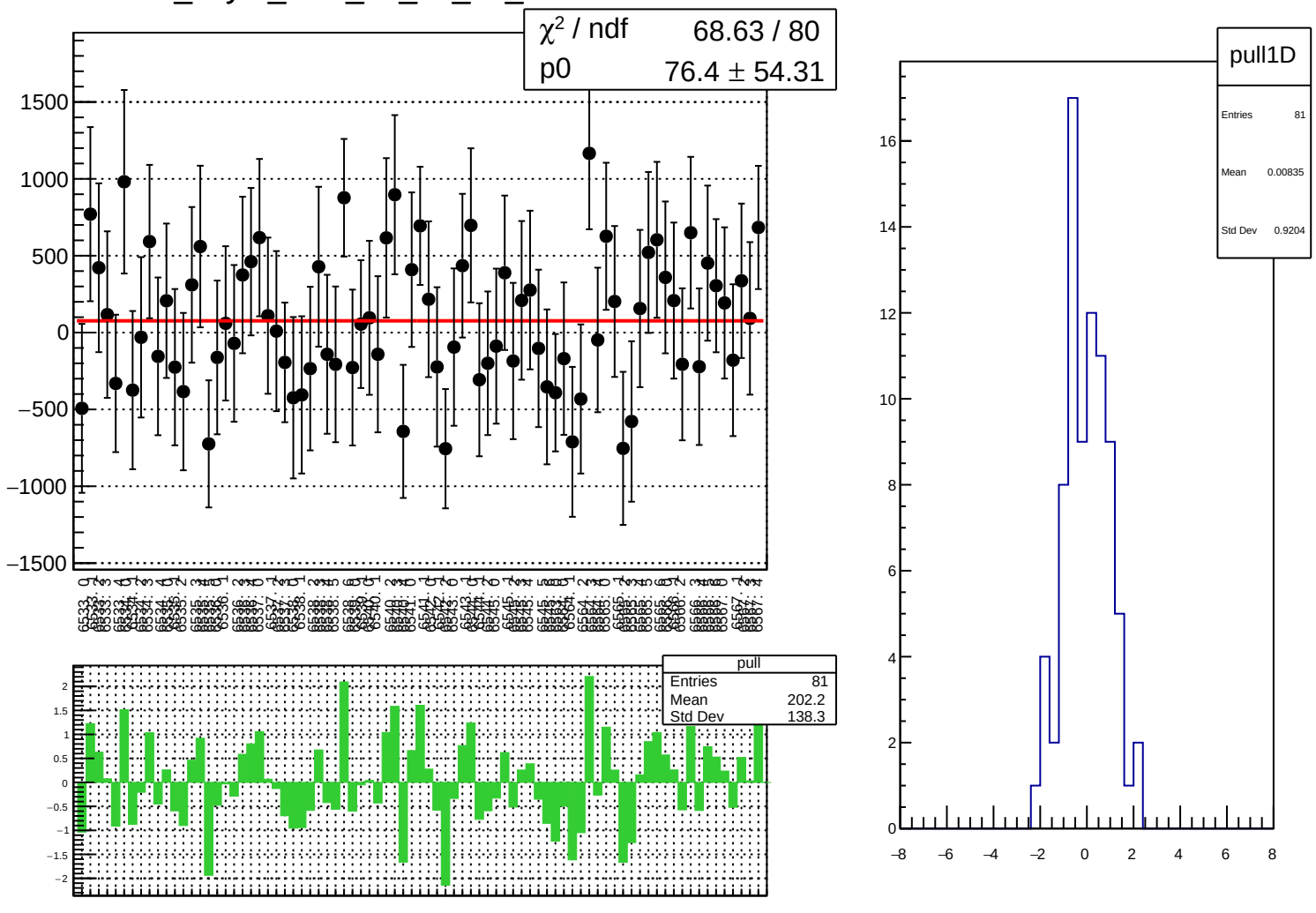

pull1D
Entries 81
Mean 0.01102
Std Dev 1.012

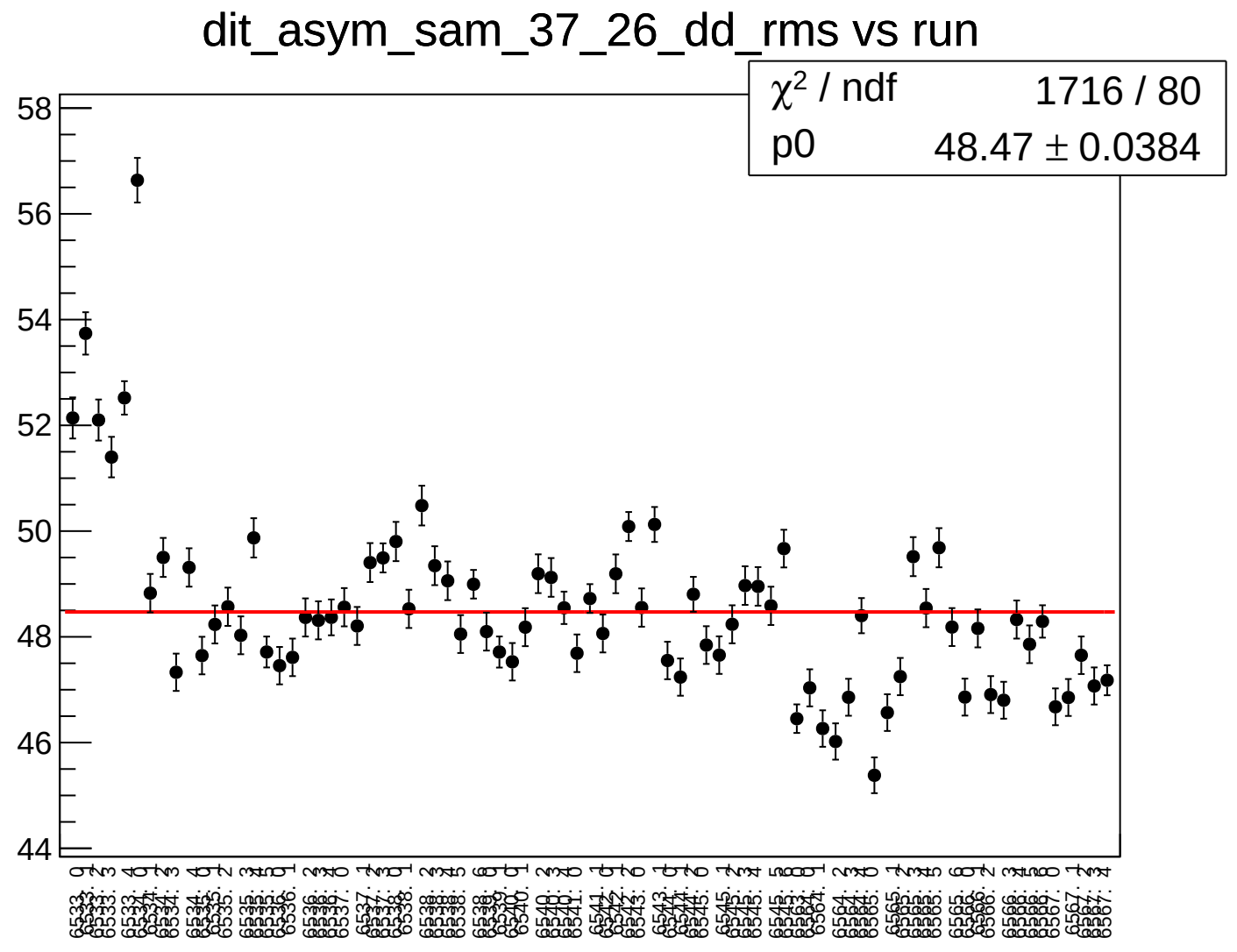

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 1.076e+04 / 80
p0 438.7 ± 0.3486
500
480
460
440
420
400
380
360

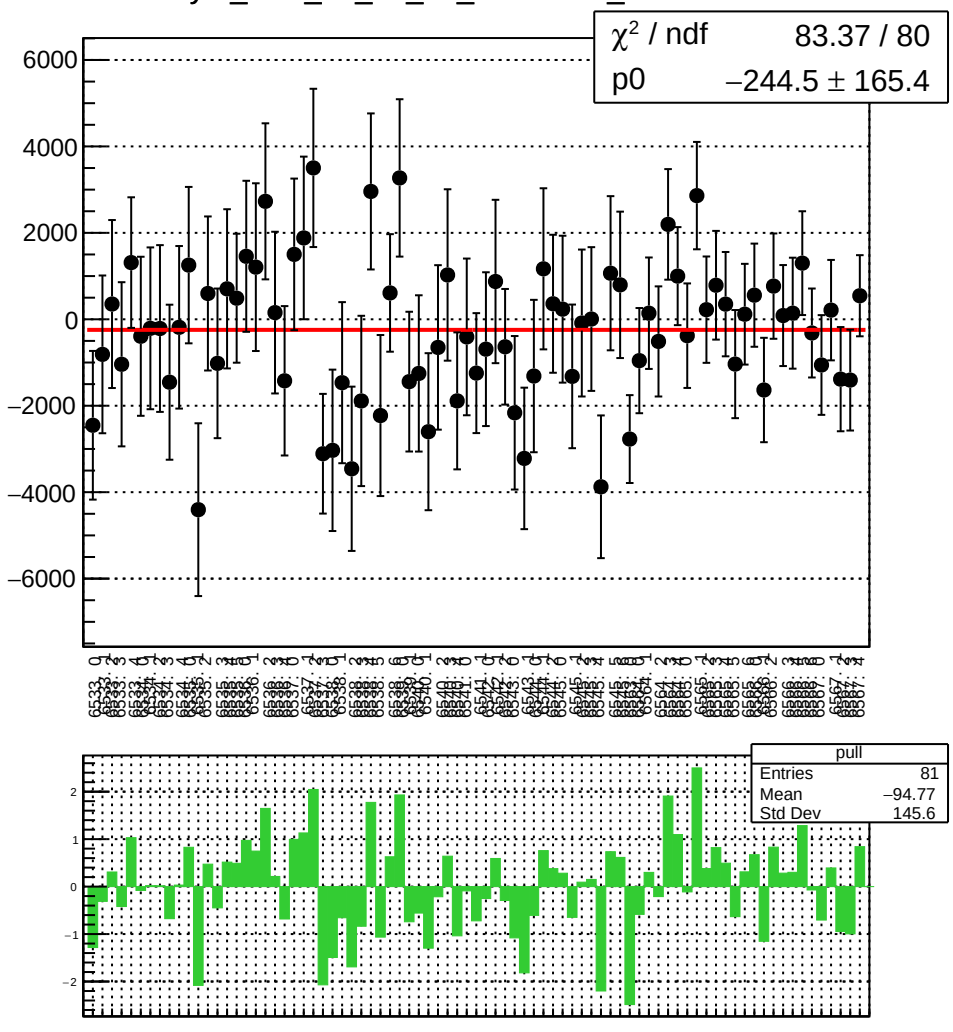

asym_sam_15_26_dd_mean vs run
χ² / ndf 82.6 / 80
p0 110.7 ± 498.5
pull
Entries 81
Mean −132.2
Std Dev 163.8

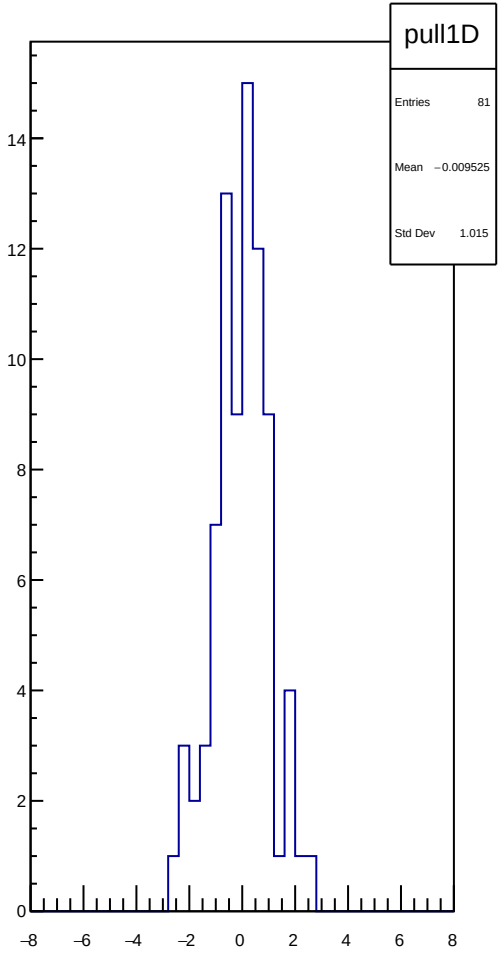

pull1D
Entries 81
Mean −0.01402
Std Dev 1.01

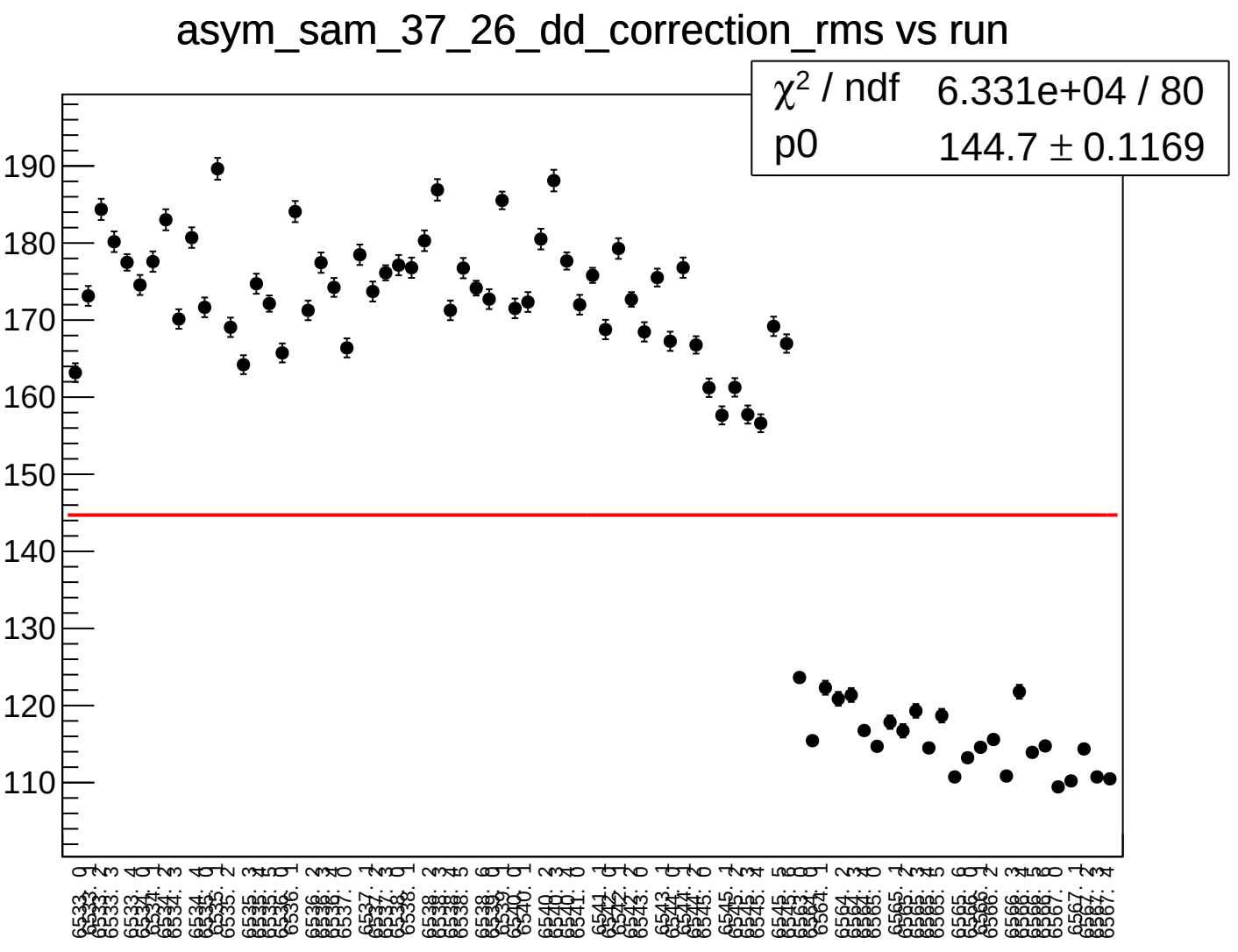

asym_sam_15_26_dd_rms vs run
χ² / ndf 8493 / 80
p0 444 ± 0.3525
500
480
460
440
420
400
380

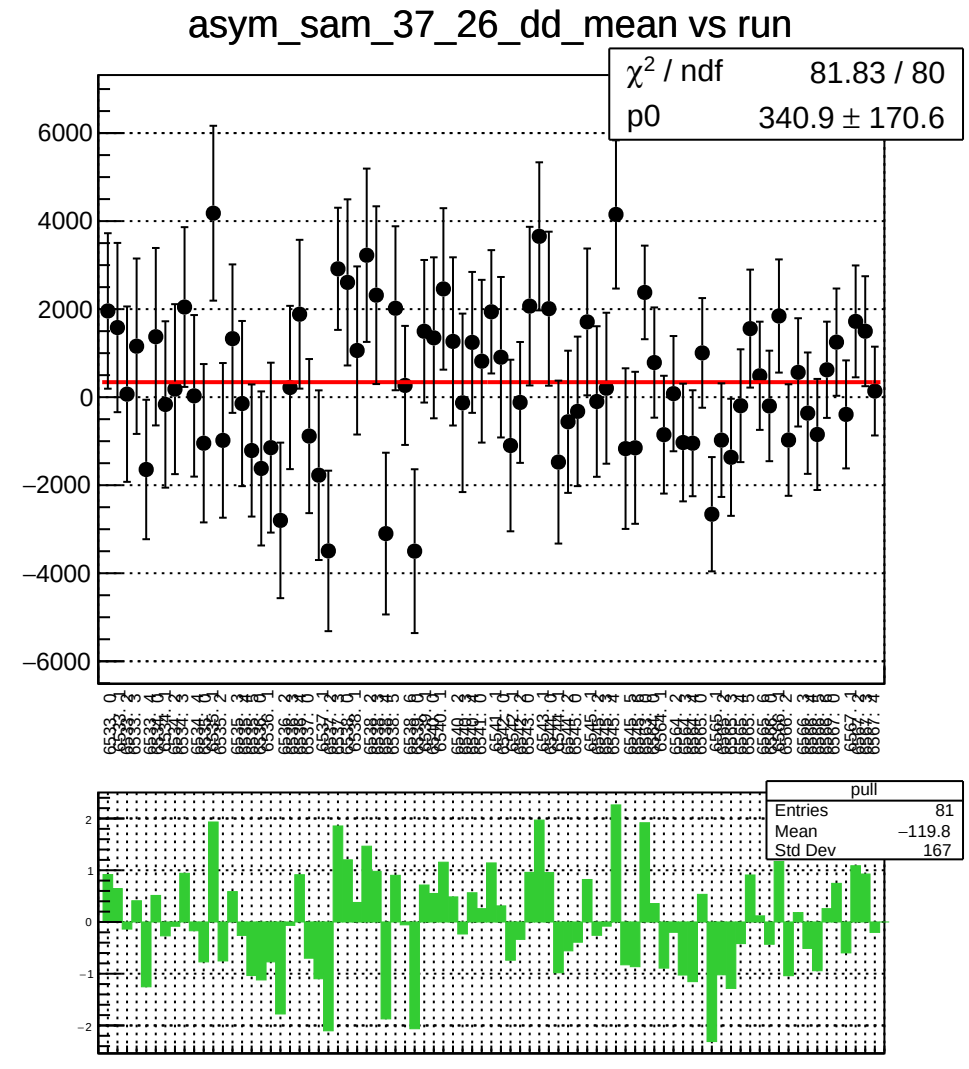

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 68.63 / 80
p0 76.4 ± 54.31
pull
Entries 81
Mean 202.2
Std Dev 138.3
pull1D
Entries 81
Mean 0.00835
Std Dev 0.9204

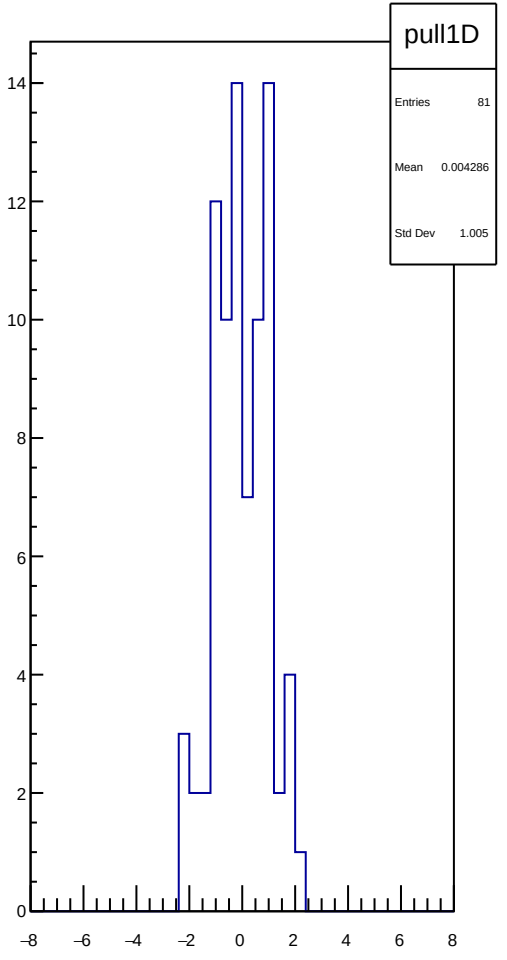

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1716 / 80
p0 48.47 ± 0.0384
58
56
54
52
50
48
46
44

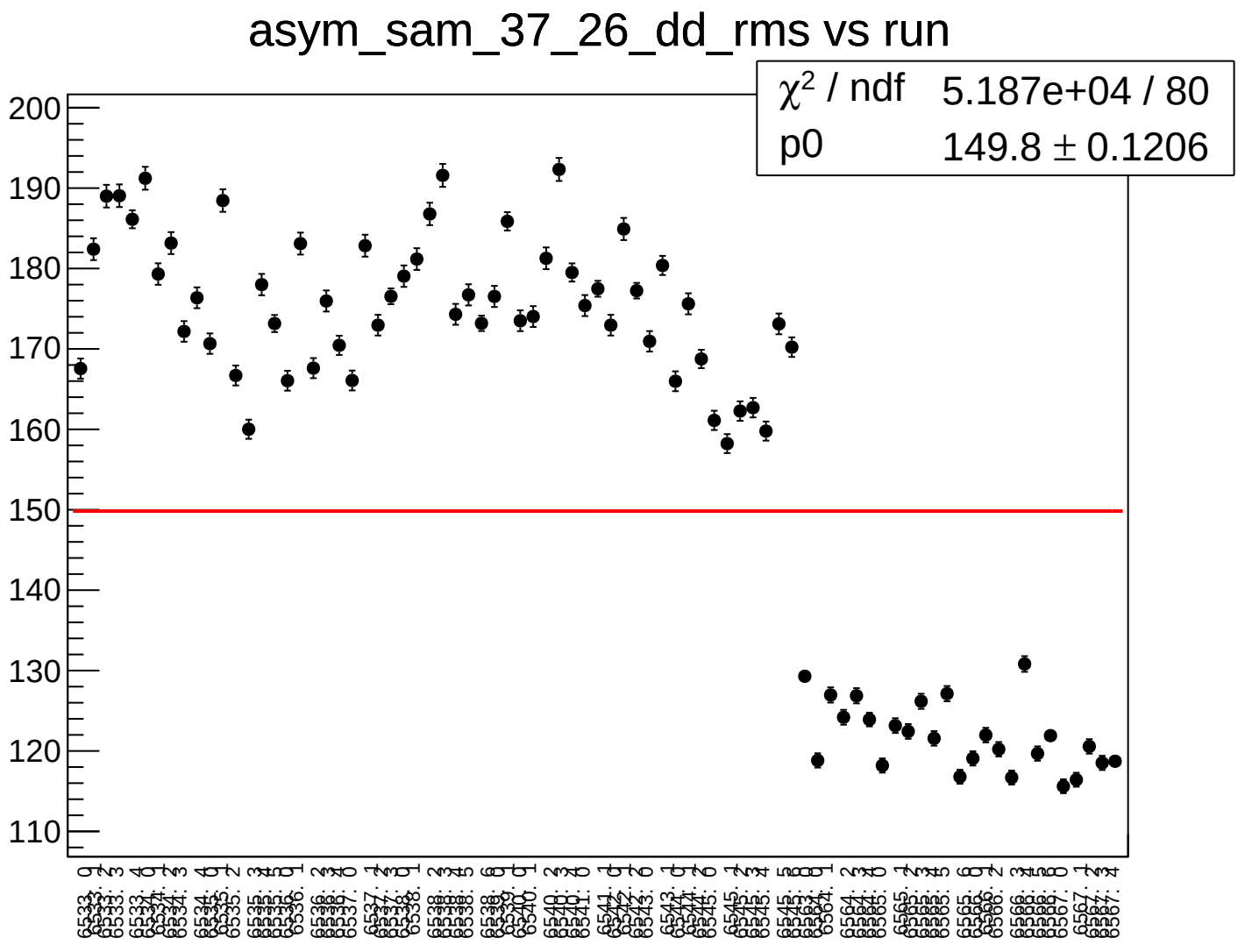

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 83.37 / 80
p0 −244.5 ± 165.4
pull
Entries 81
Mean −94.77
Std Dev 145.6

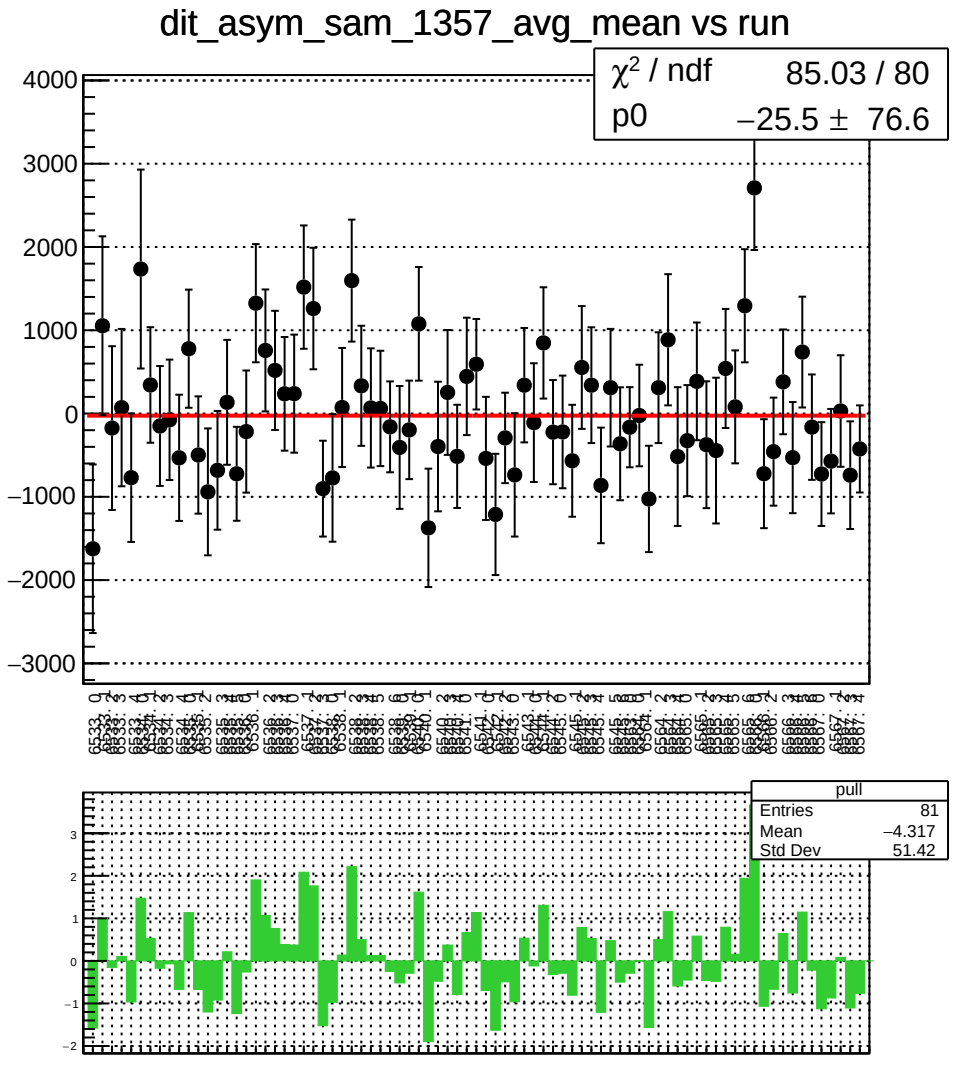

pull1D
Entries 81
Mean −0.009525
Std Dev 1.015

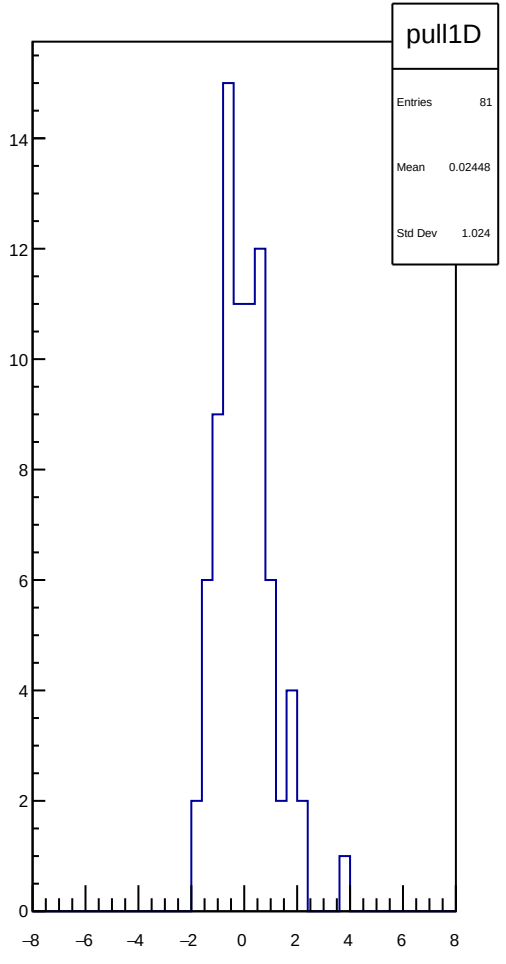

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 6.331e+04 / 80
p0 144.7 ± 0.1169
190
180
170
160
150
140
130
120
110

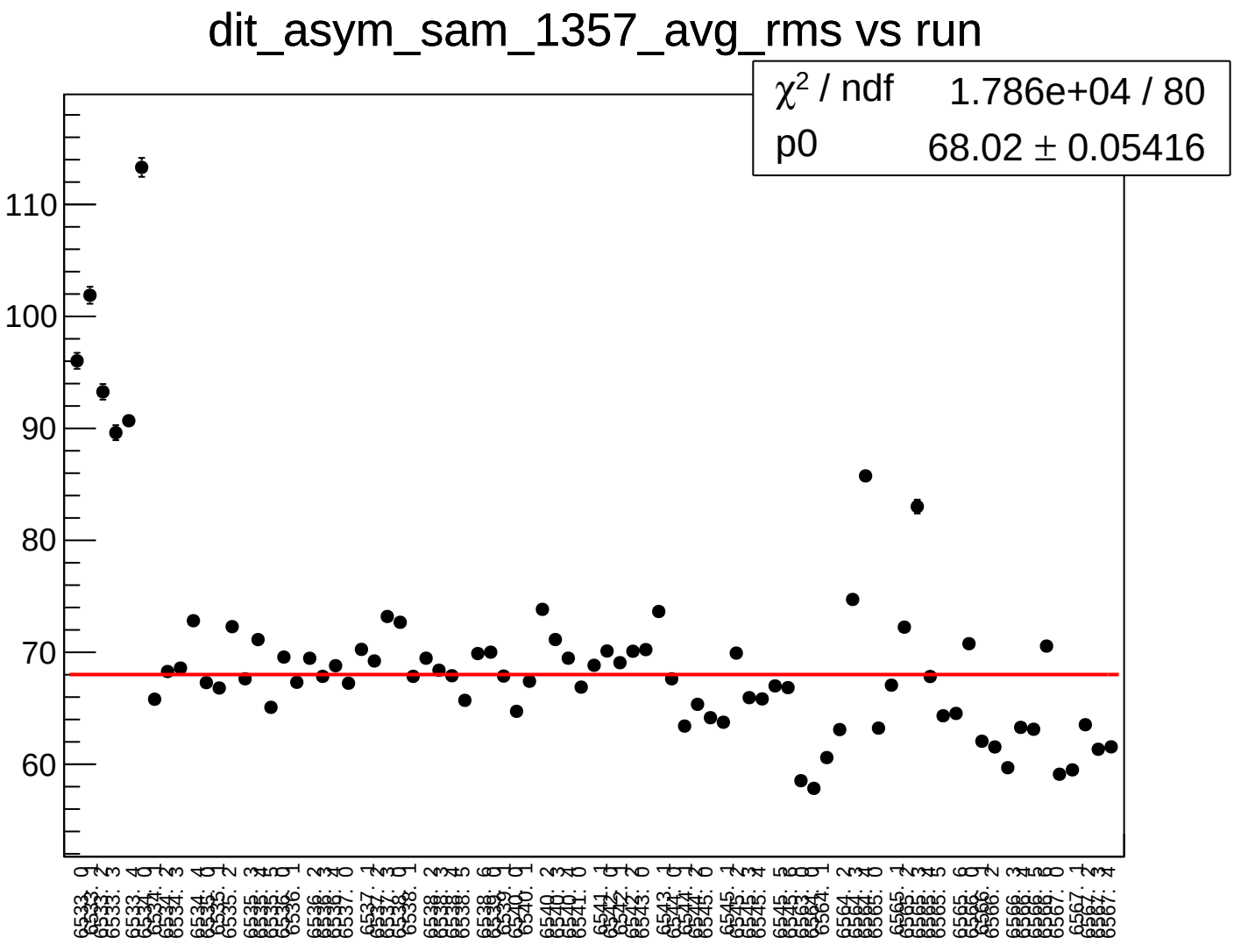

asym_sam_37_26_dd_mean vs run
χ² / ndf 81.83 / 80
p0 340.9 ± 170.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean −119.8
Std Dev 167
2
1
0
−1
−2

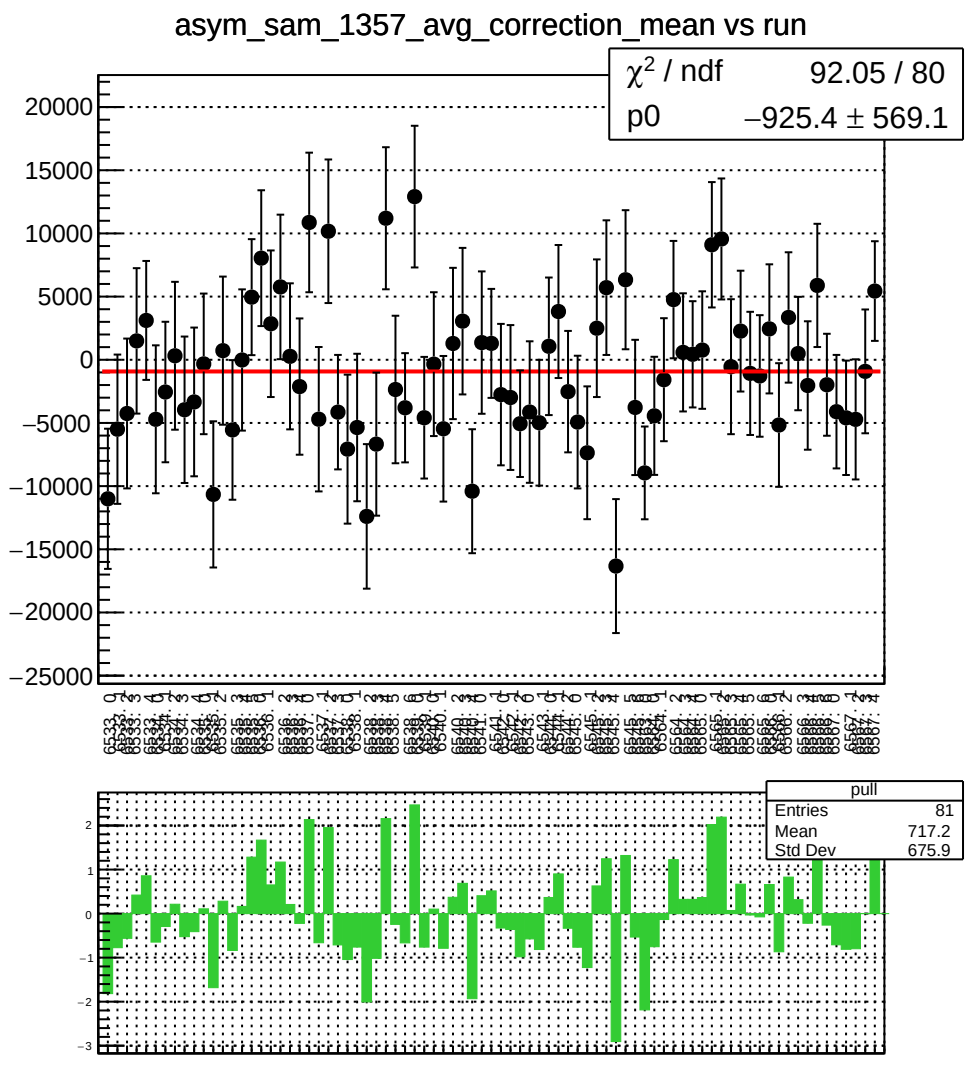

pull1D
Entries 81
Mean 0.004286
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

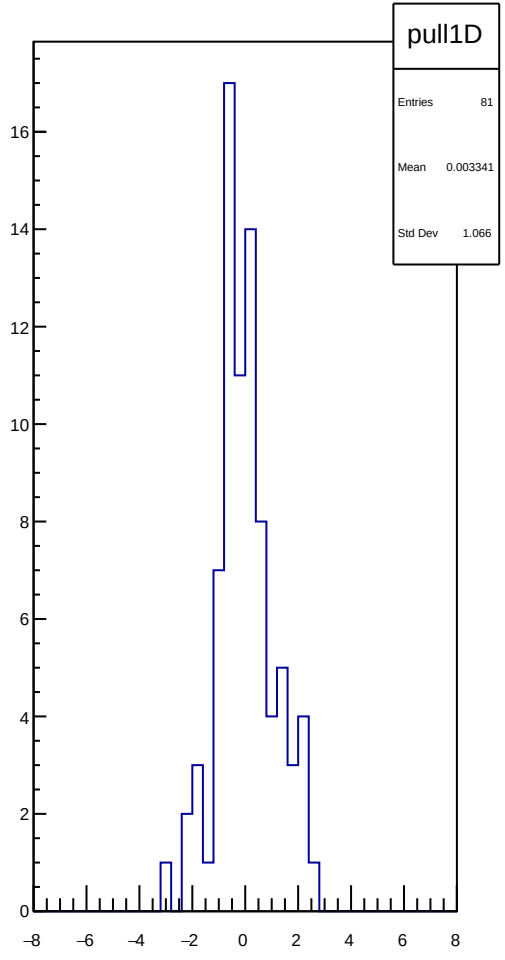

asym_sam_37_26_dd_rms vs run
χ² / ndf 5.187e+04 / 80
p0 149.8 ± 0.1206
200
190
180
170
160
150
140
130
120
110

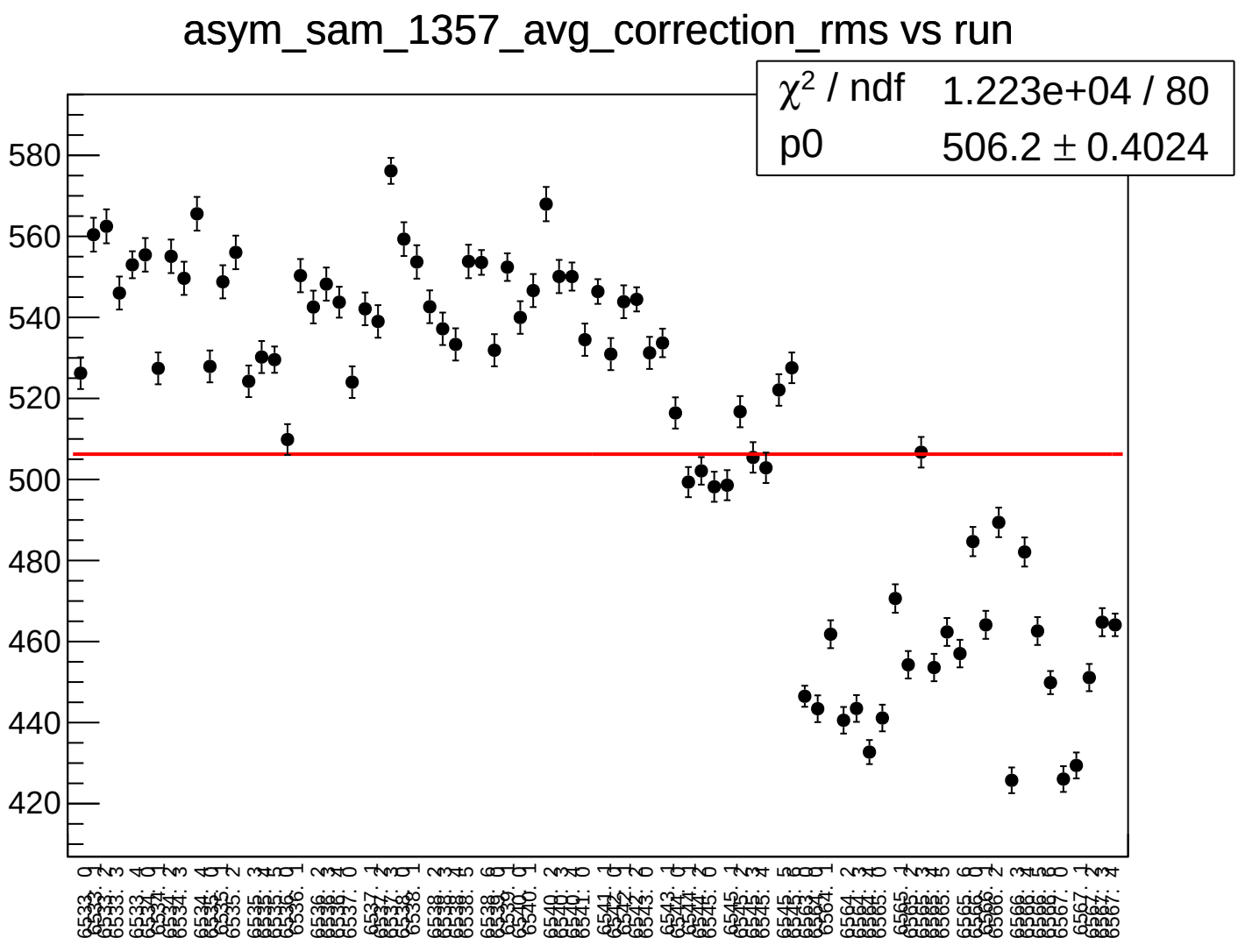

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 85.03 / 80
p0 −25.5 ± 76.6
pull
Entries 81
Mean −4.317
Std Dev 51.42

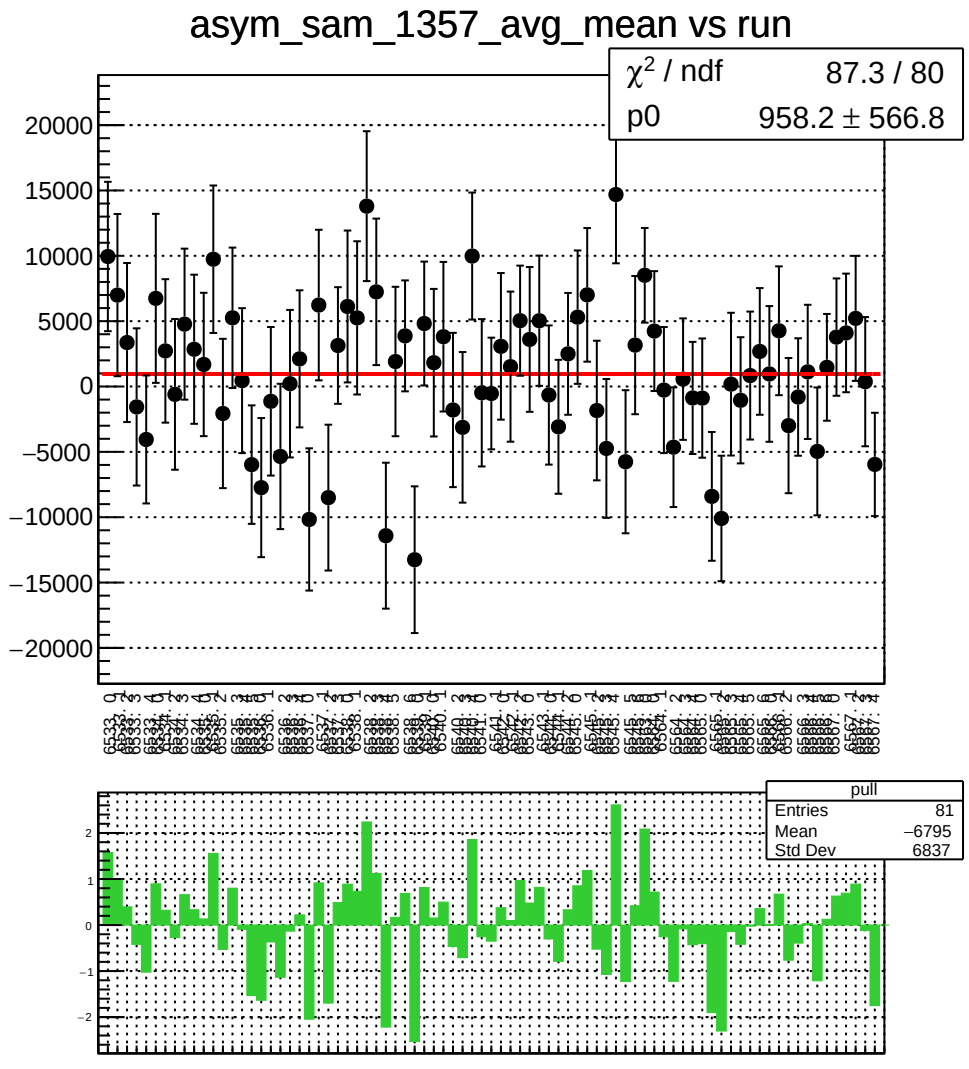

pull1D
Entries 81
Mean 0.02448
Std Dev 1.024

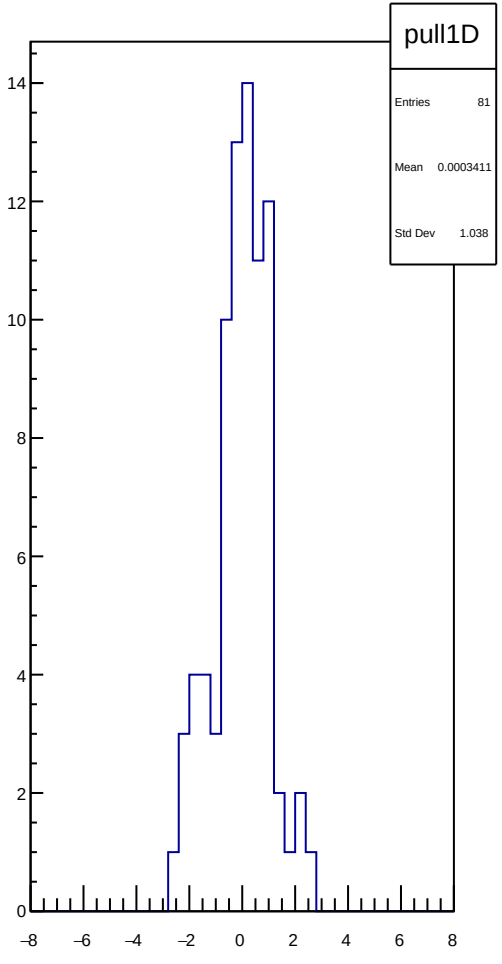

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.786e+04 / 80
p0 68.02 ± 0.05416
110
100
90
80
70
60

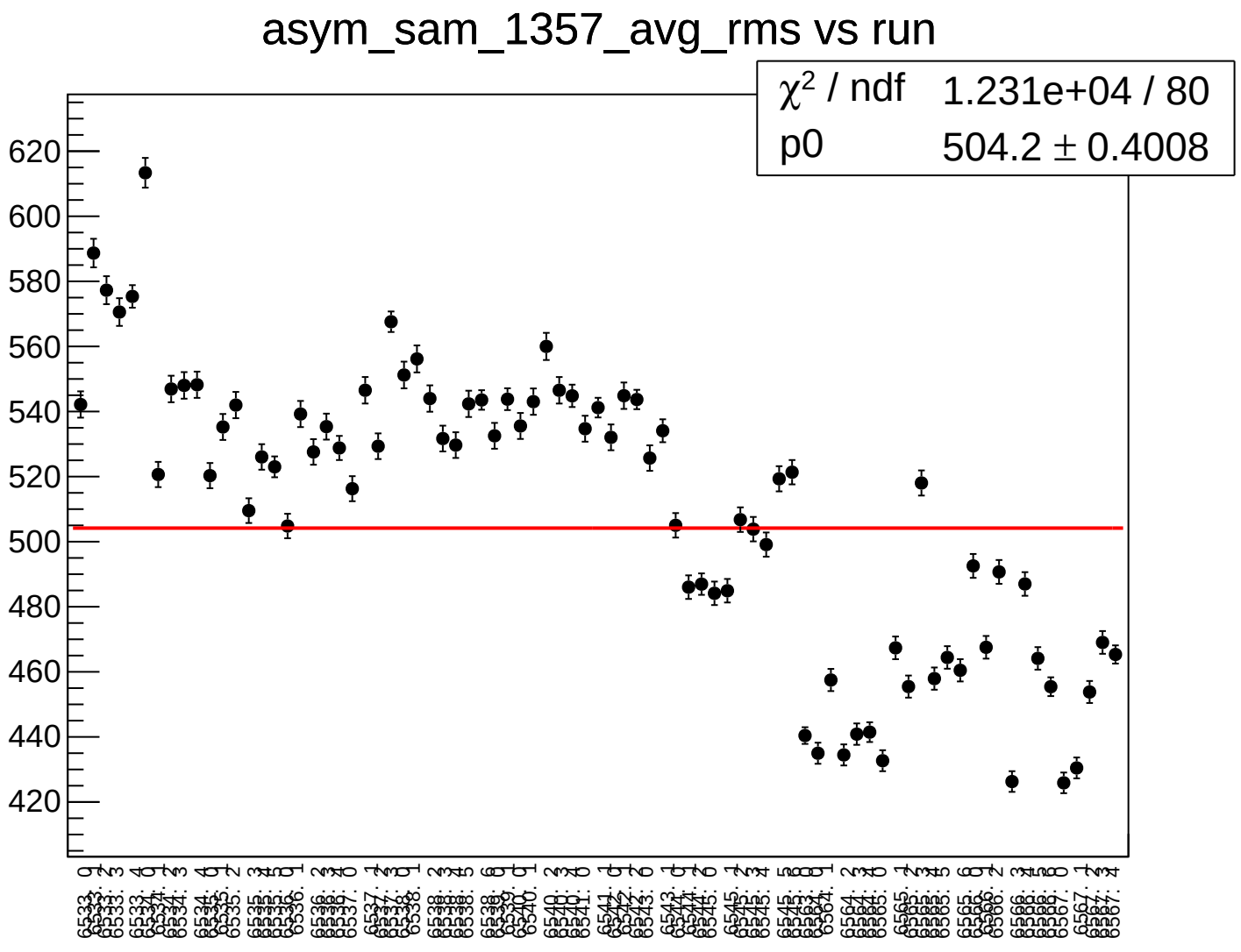

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 92.05 / 80
p0 −925.4 ± 569.1
pull
Entries 81
Mean 717.2
Std Dev 675.9

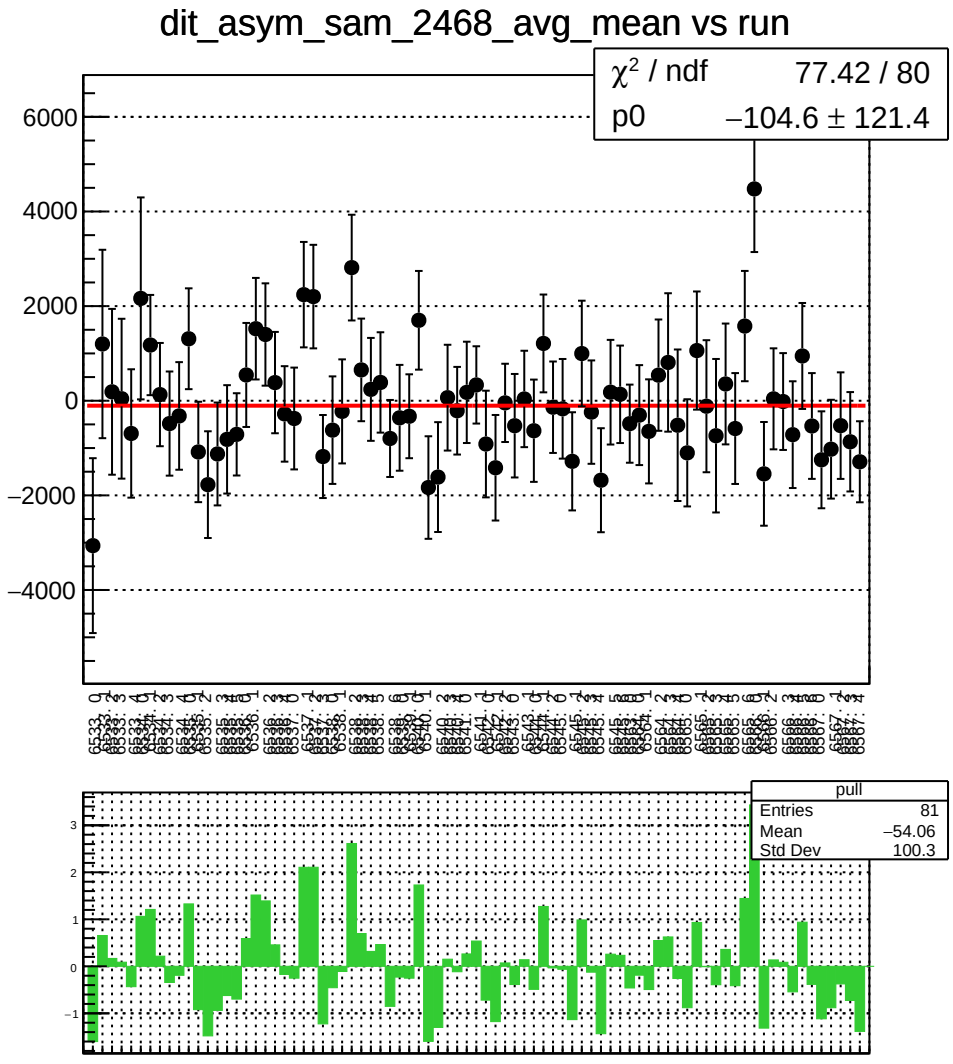

pull1D
Entries 81
Mean 0.003341
Std Dev 1.066

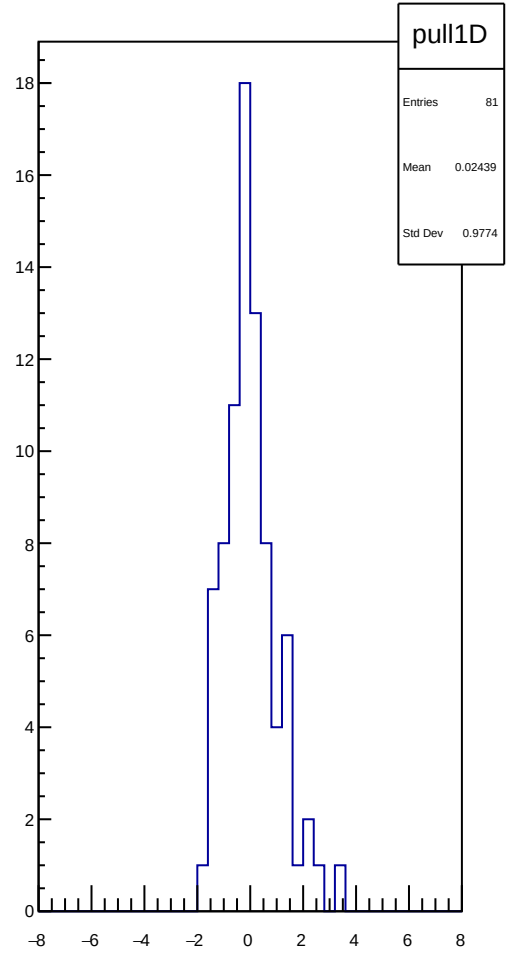

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1.223e+04 / 80
p0 506.2 ± 0.4024
580
560
540
520
500
480
460
440
420

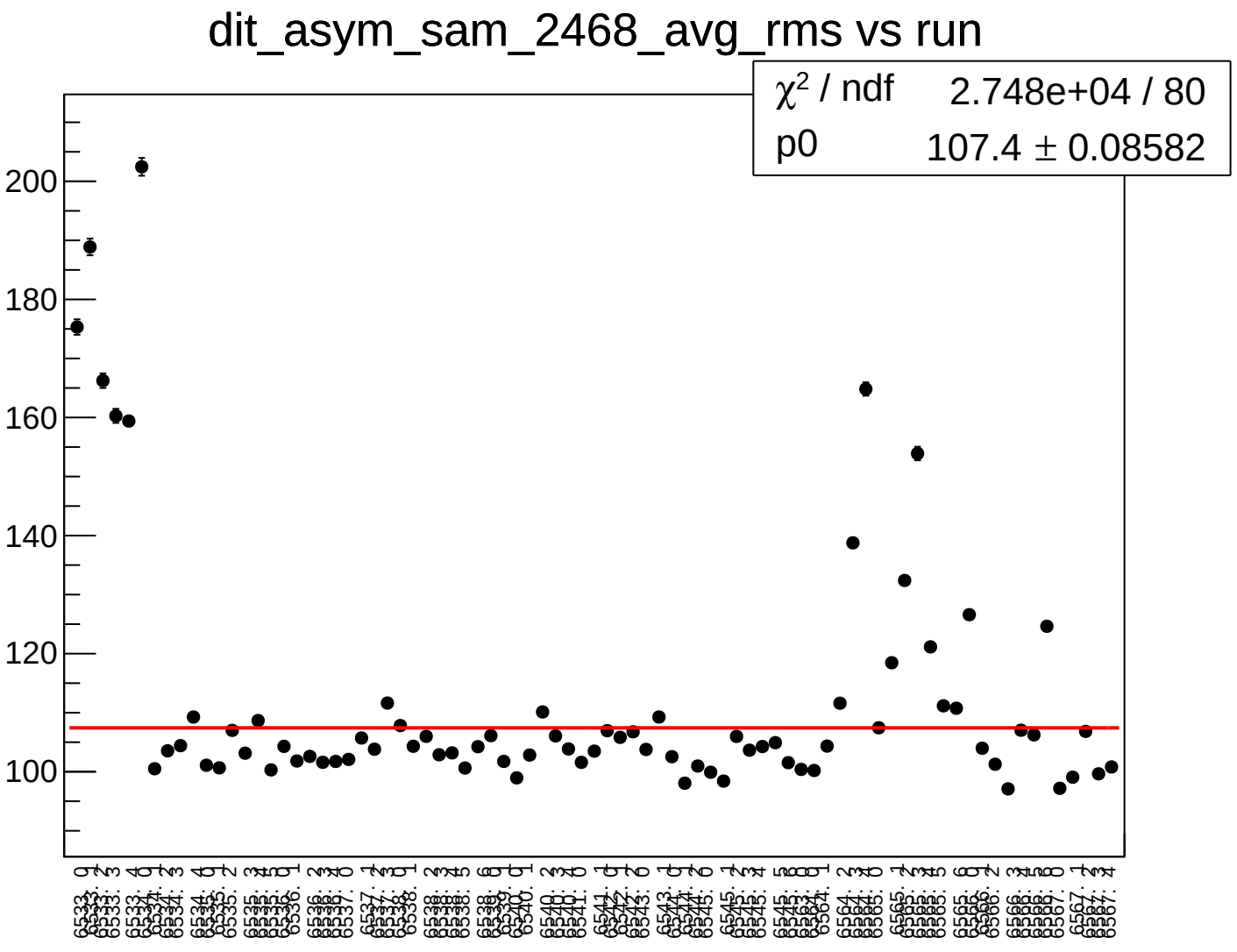

asym_sam_1357_avg_mean vs run
χ² / ndf 87.3 / 80
p0 958.2 ± 566.8
pull
Entries 81
Mean −6795
Std Dev 6837

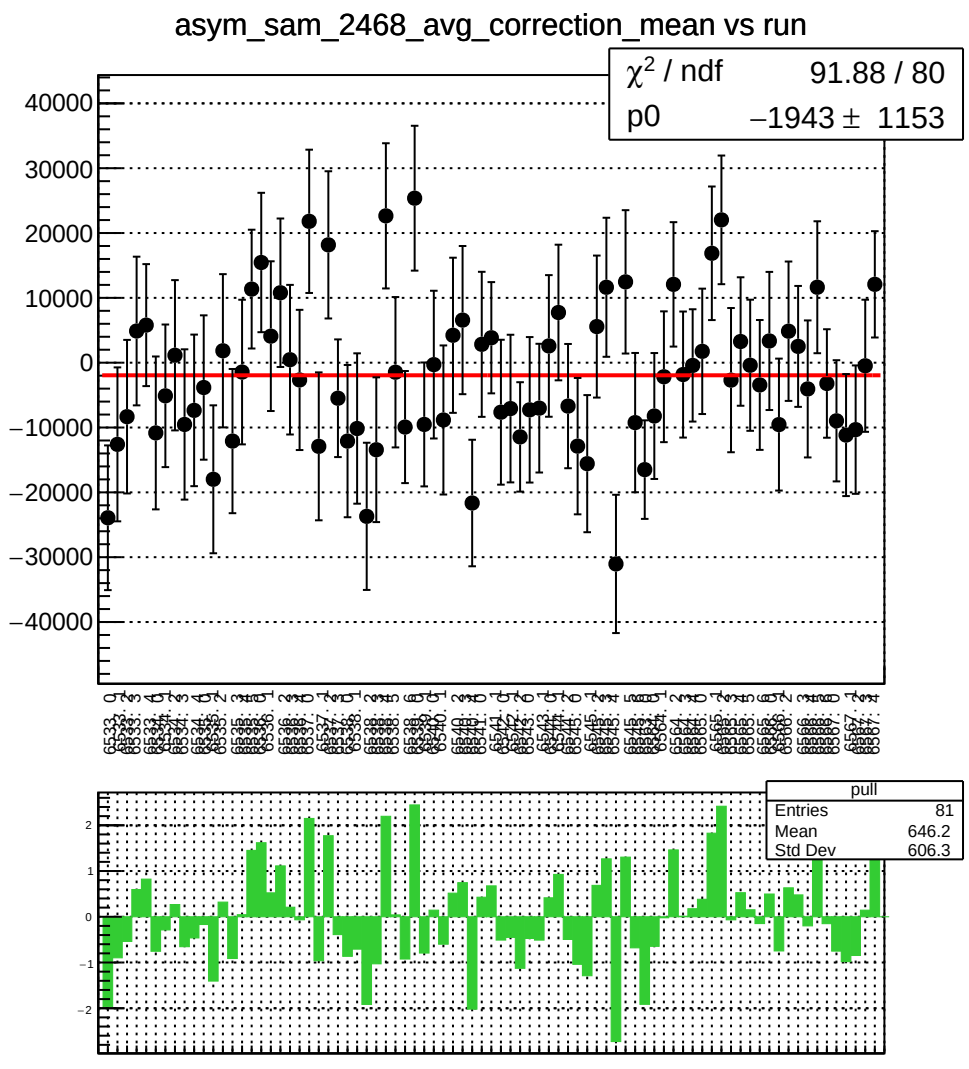

pull1D
Entries 81
Mean 0.0003411
Std Dev 1.038

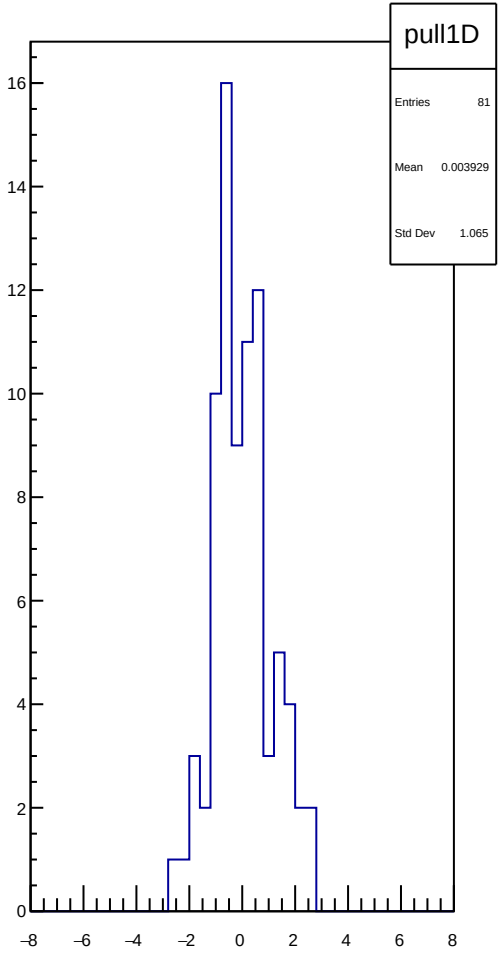

asym_sam_1357_avg_rms vs run
χ² / ndf 1.231e+04 / 80
p0 504.2 ± 0.4008
620
600
580
560
540
520
500
480
460
440
420

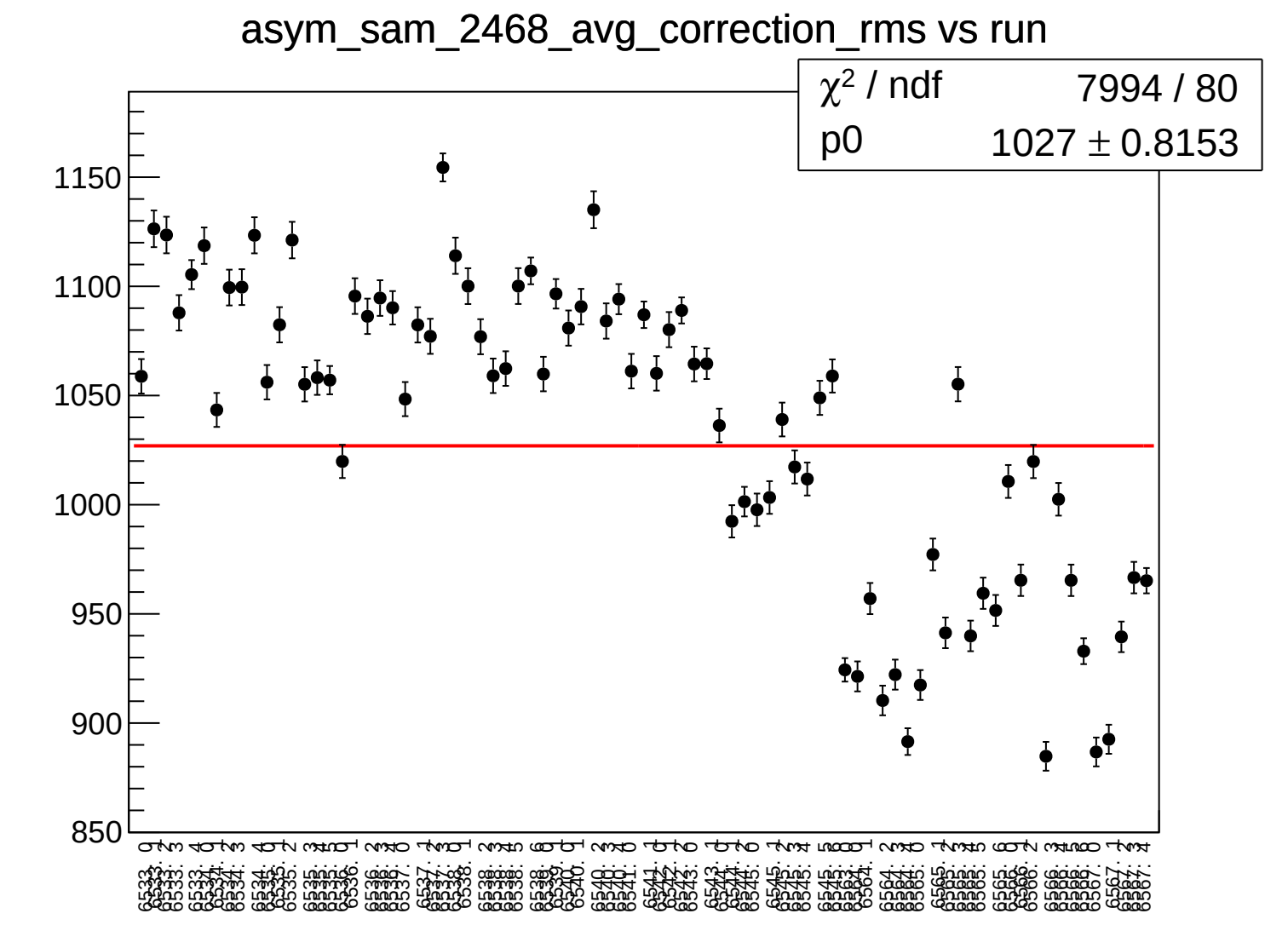

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 77.42 / 80
p0 −104.6 ± 121.4
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −54.06
Std Dev 100.3
3
2
1
0
−1

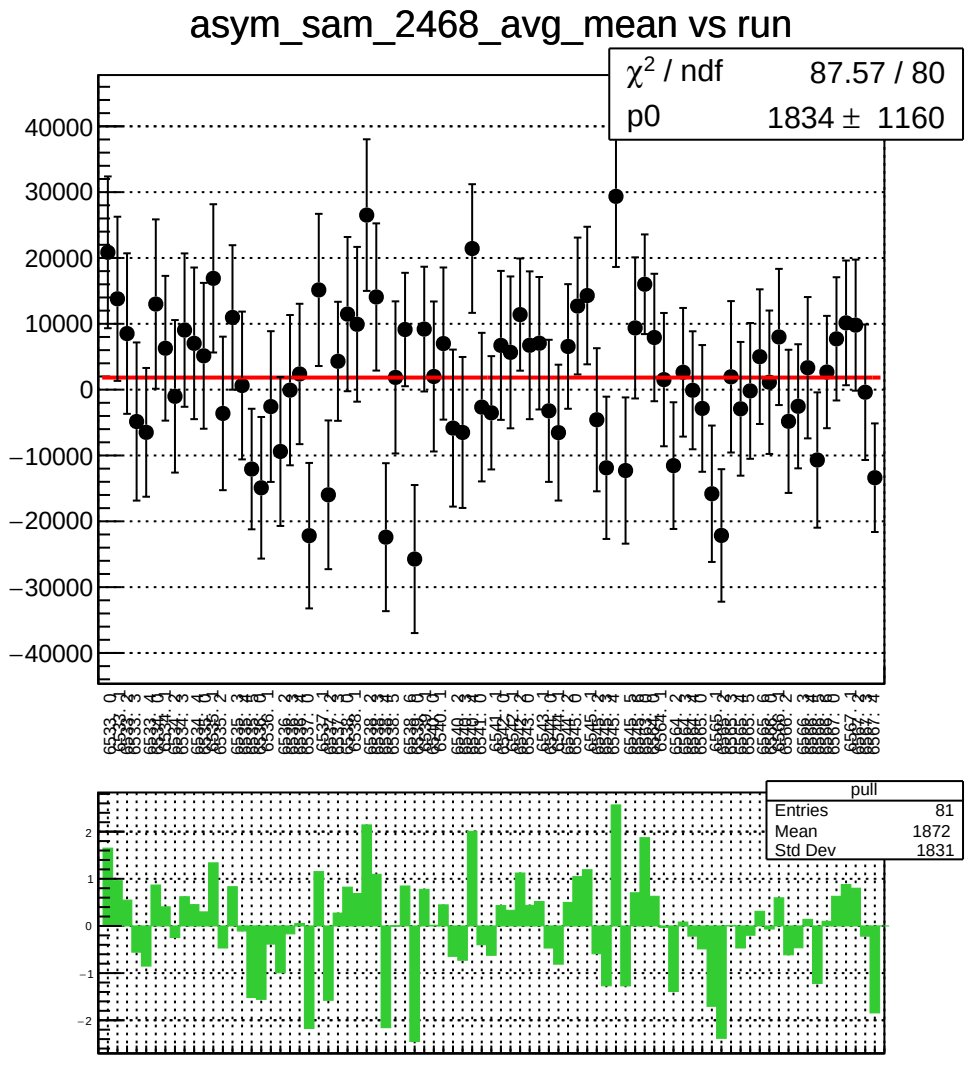

pull1D
Entries 81
Mean 0.02439
Std Dev 0.9774
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

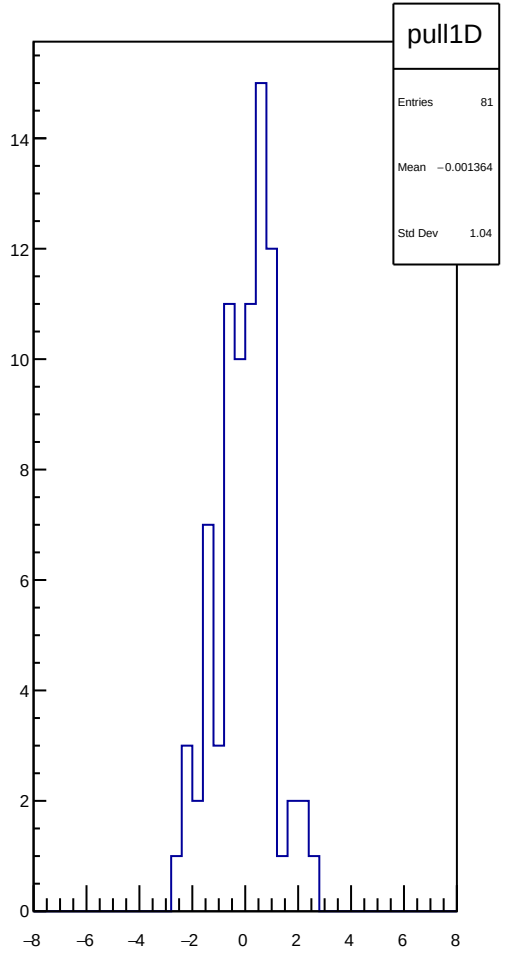

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.748e+04 / 80
p0 107.4 ± 0.08582
200
180
160
140
120
100

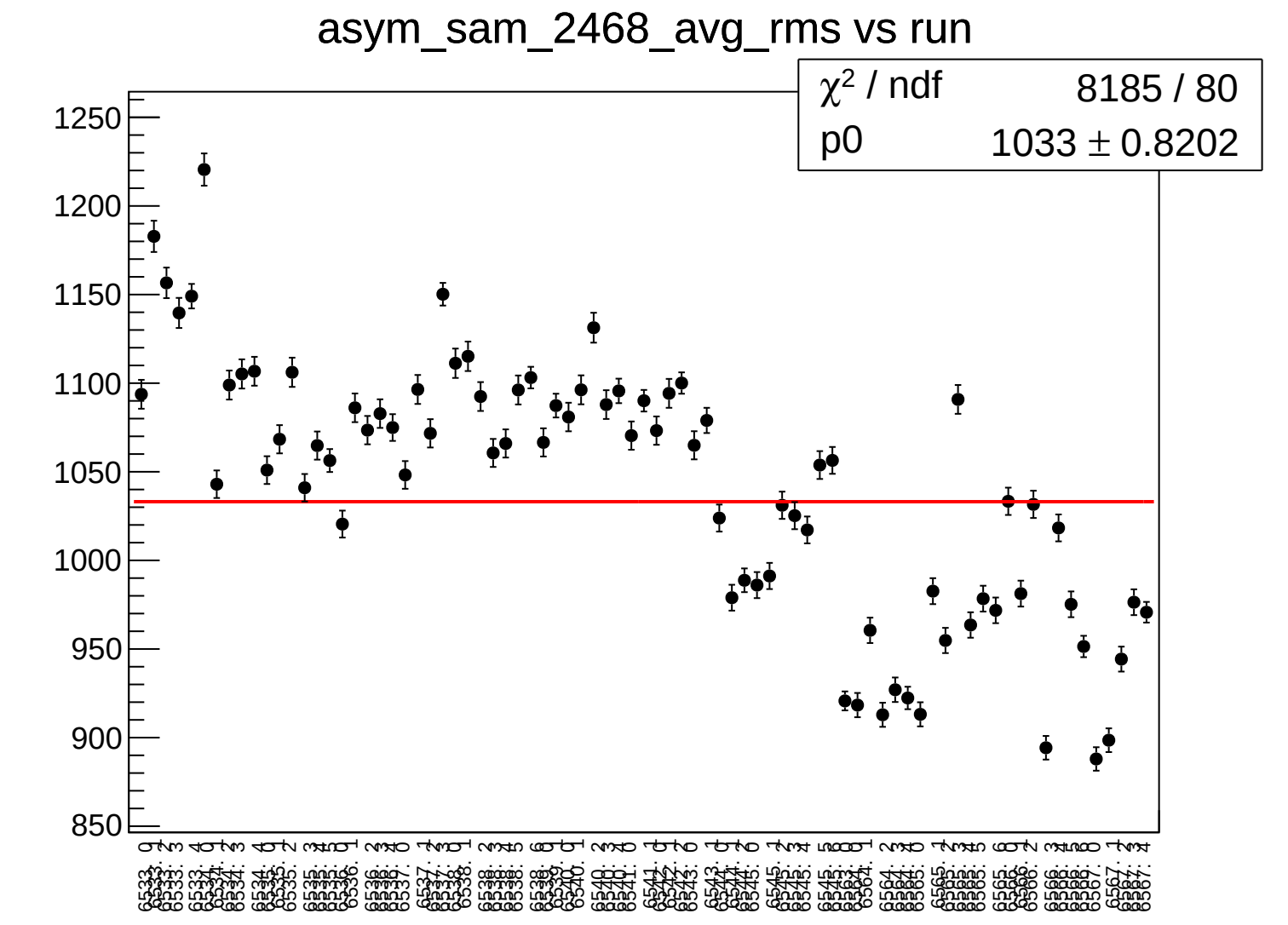

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 91.88 / 80
p0 −1943 ± 1153
pull
Entries 81
Mean 646.2
Std Dev 606.3

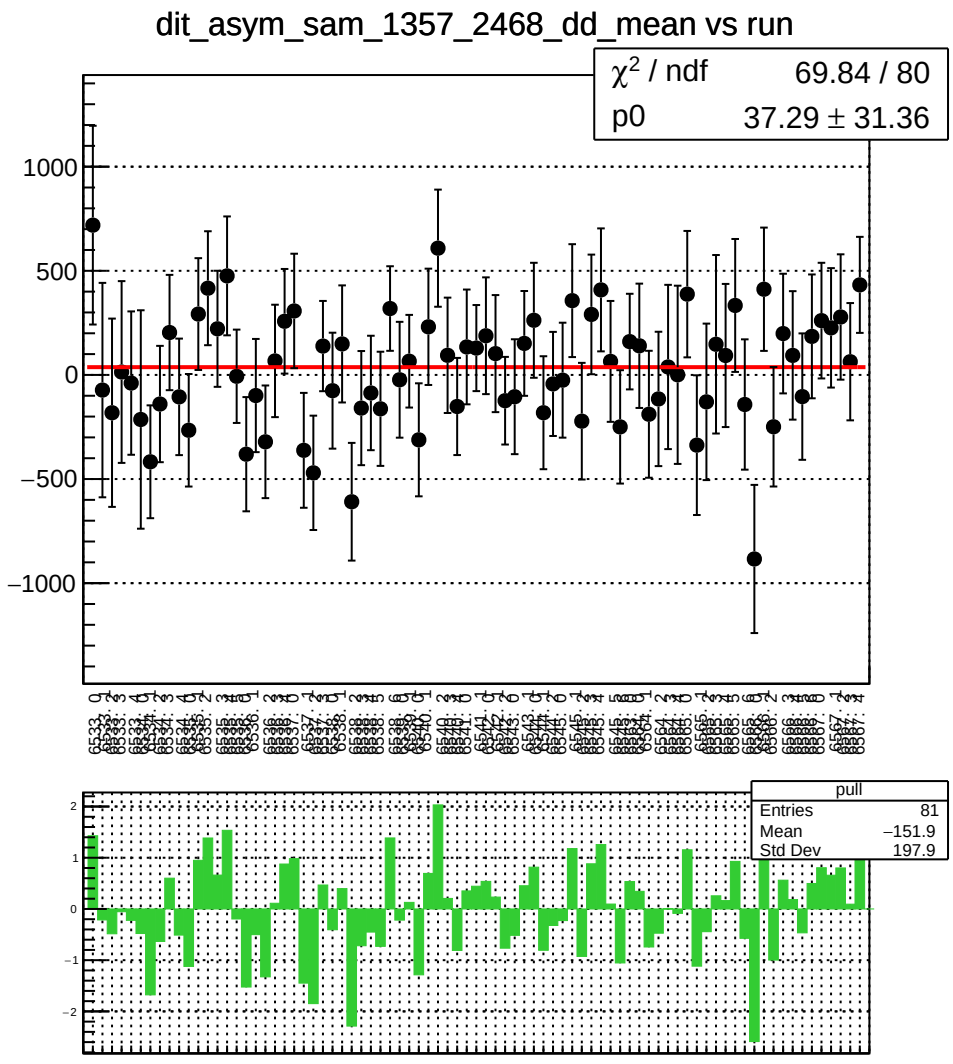

pull1D
Entries 81
Mean 0.003929
Std Dev 1.065

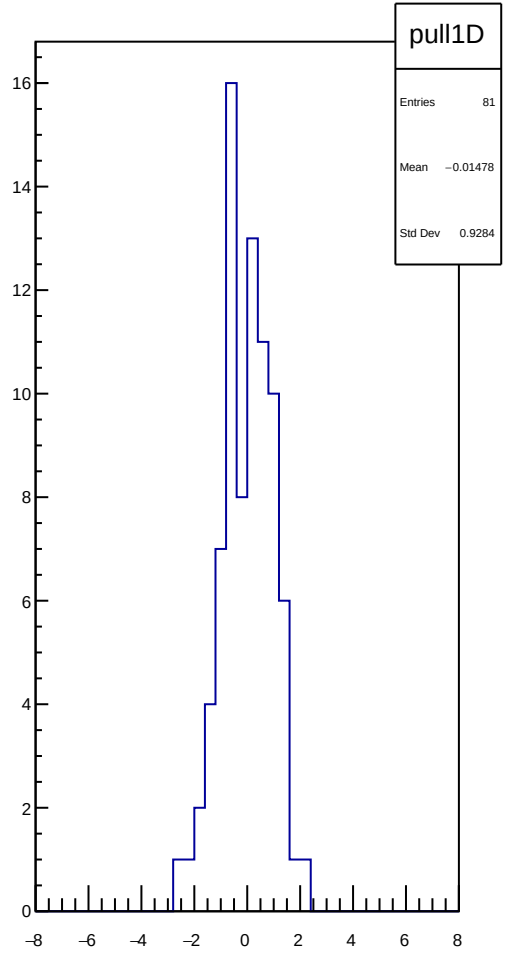

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 7994 / 80
p0 1027 ± 0.8153
1150
1100
1050
1000
950
900
850

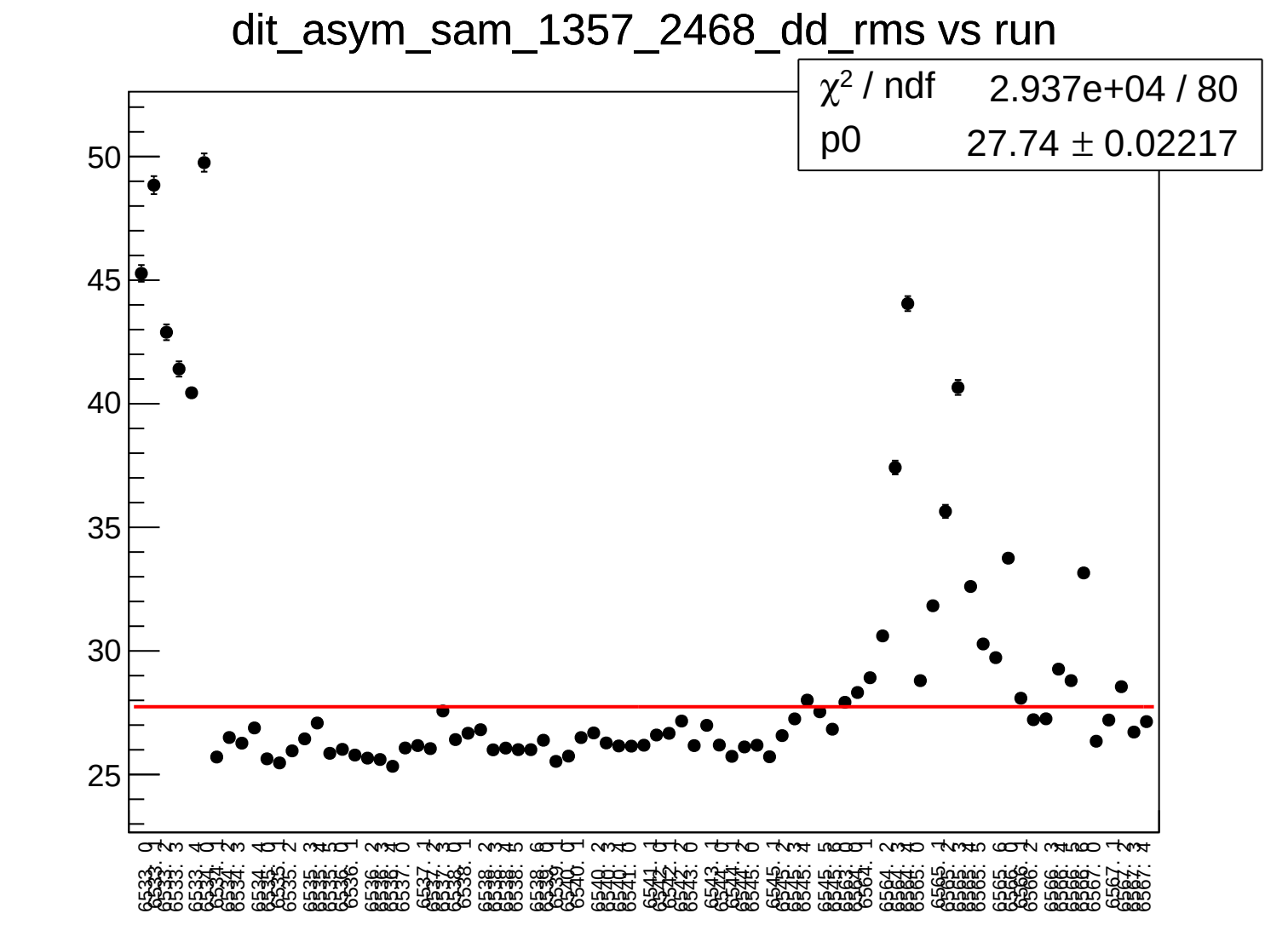

asym_sam_2468_avg_mean vs run
χ² / ndf 87.57 / 80
p0 1834 ± 1160
pull
Entries 81
Mean 1872
Std Dev 1831

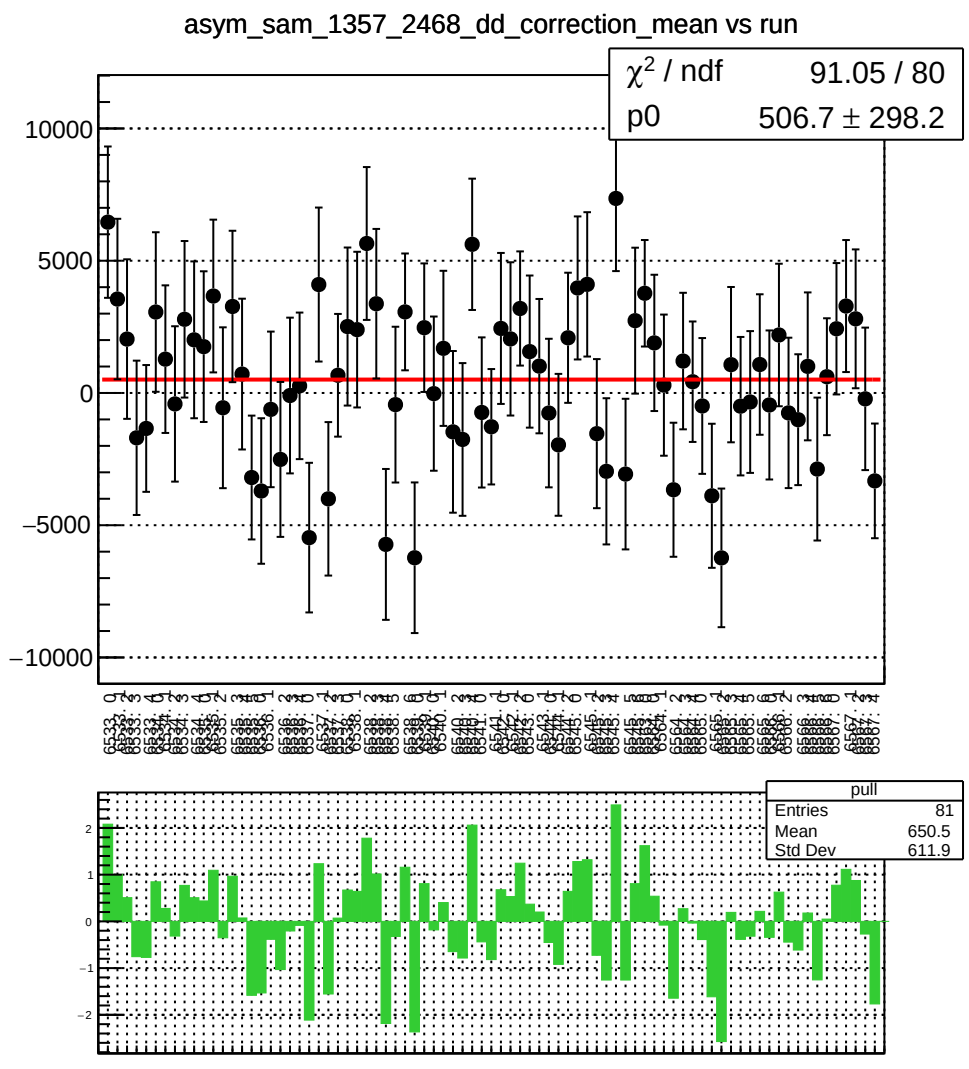

pull1D
Entries 81
Mean −0.001364
Std Dev 1.04

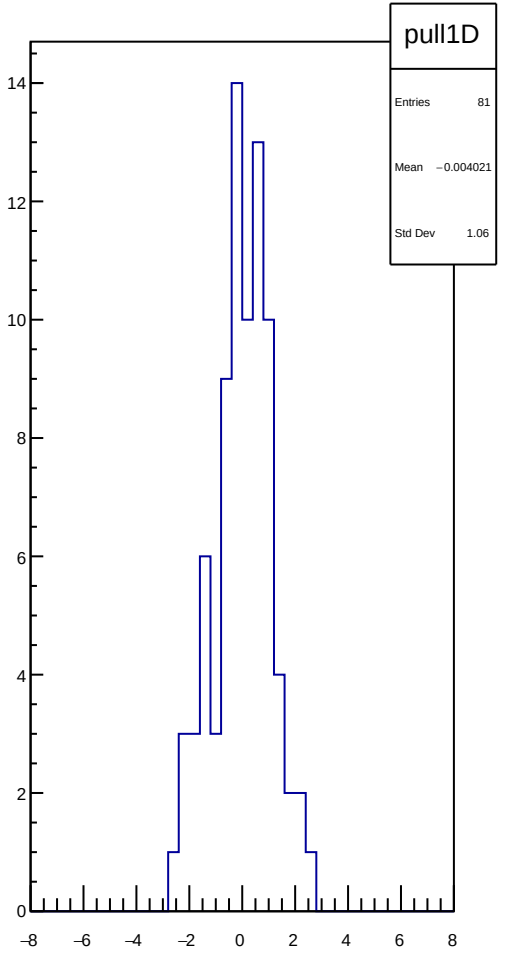

asym_sam_2468_avg_rms vs run
χ² / ndf 8185 / 80
p0 1033 ± 0.8202
1250
1200
1150
1100
1050
1000
950
900
850

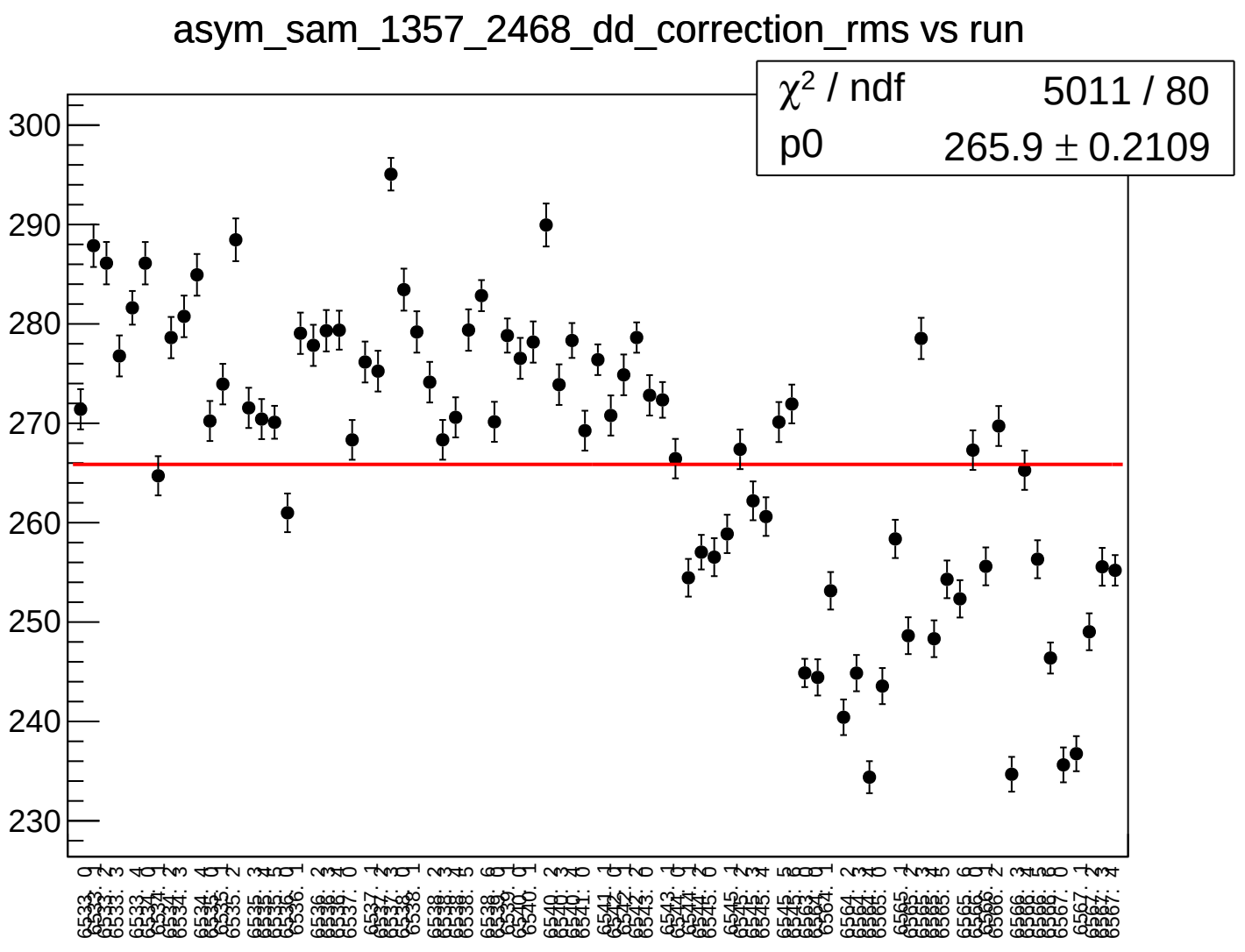

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 69.84 / 80
p0 37.29 ± 31.36
1000
500
0
−500
−1000
pull
Entries 81
Mean −151.9
Std Dev 197.9
2
1
0
−1
−2

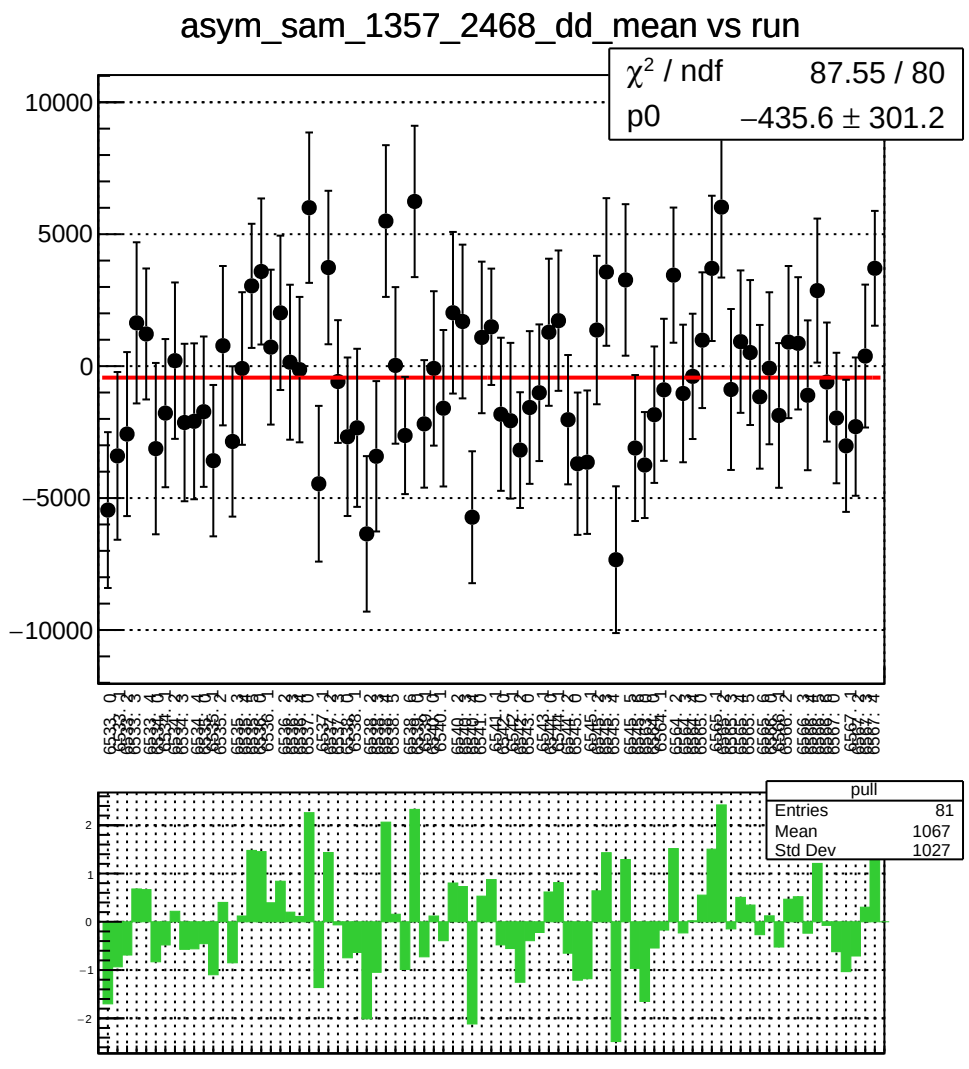

pull1D
Entries 81
Mean −0.01478
Std Dev 0.9284
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

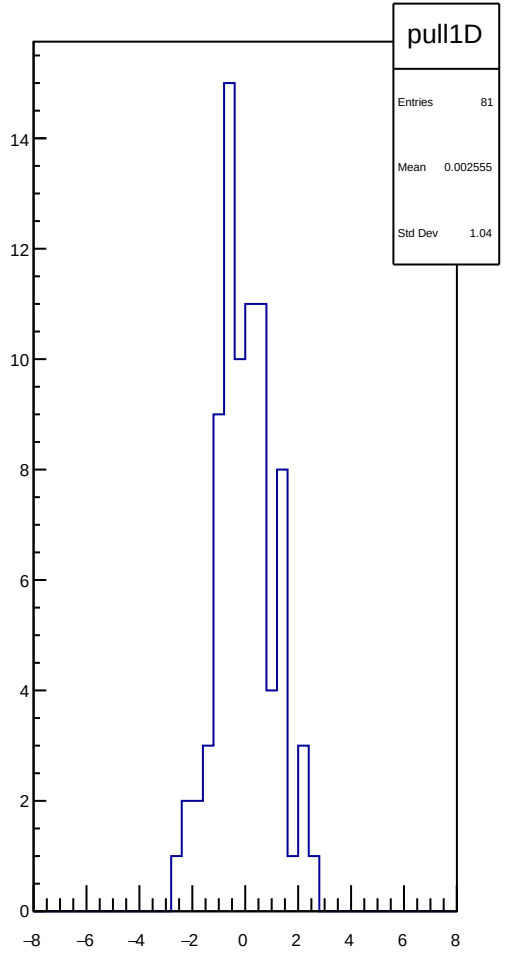

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.937e+04 / 80
p0 27.74 ± 0.02217
50
45
40
35
30
25

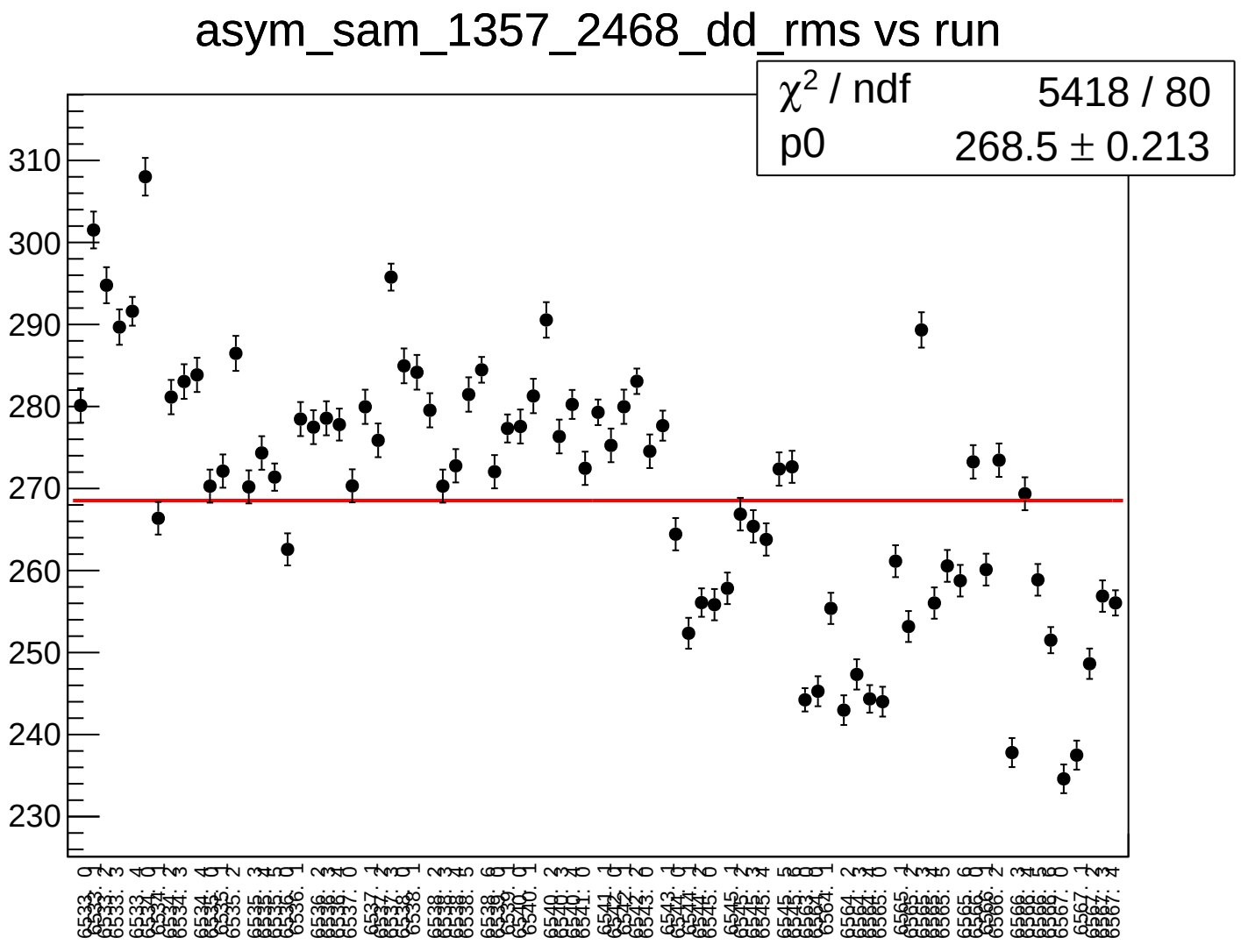

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 91.05 / 80
p0 506.7 ± 298.2
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 650.5
Std Dev 611.9
2
1
0
−1
−2

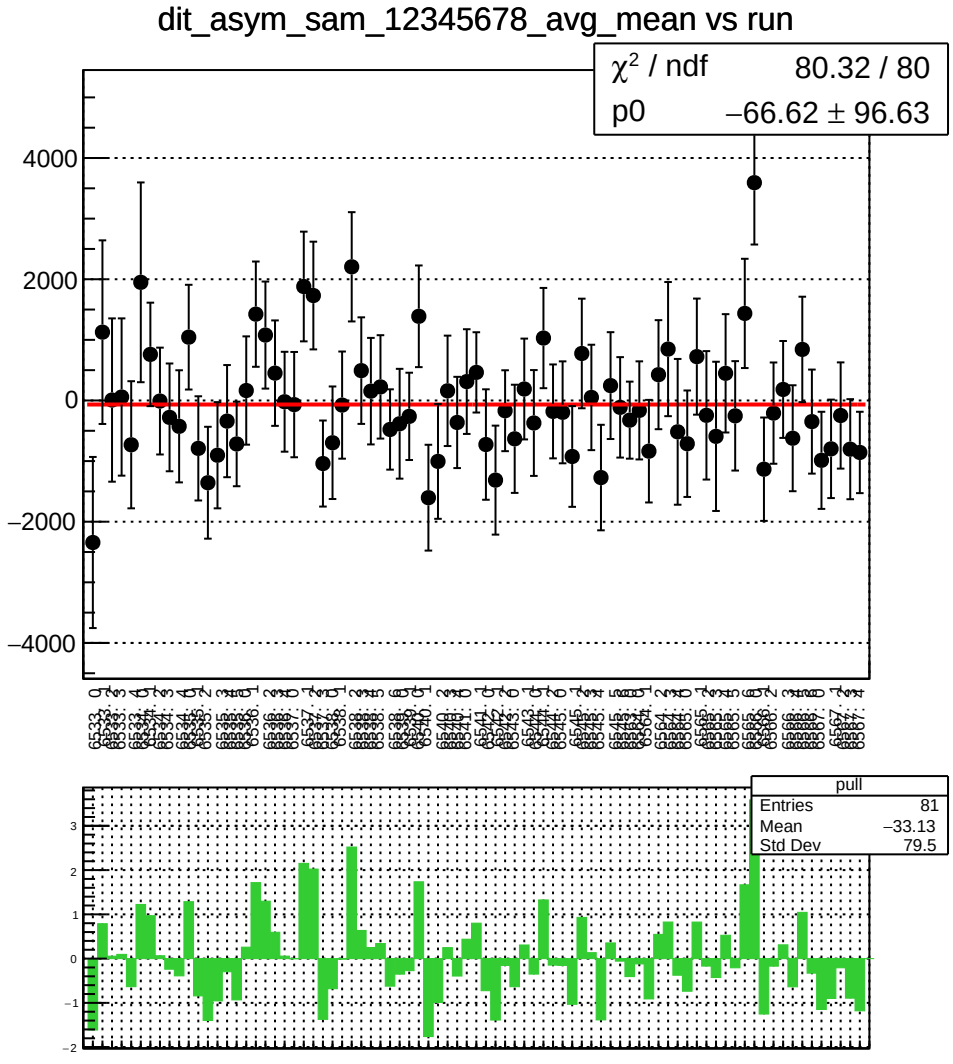

pull1D
Entries 81
Mean −0.004021
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

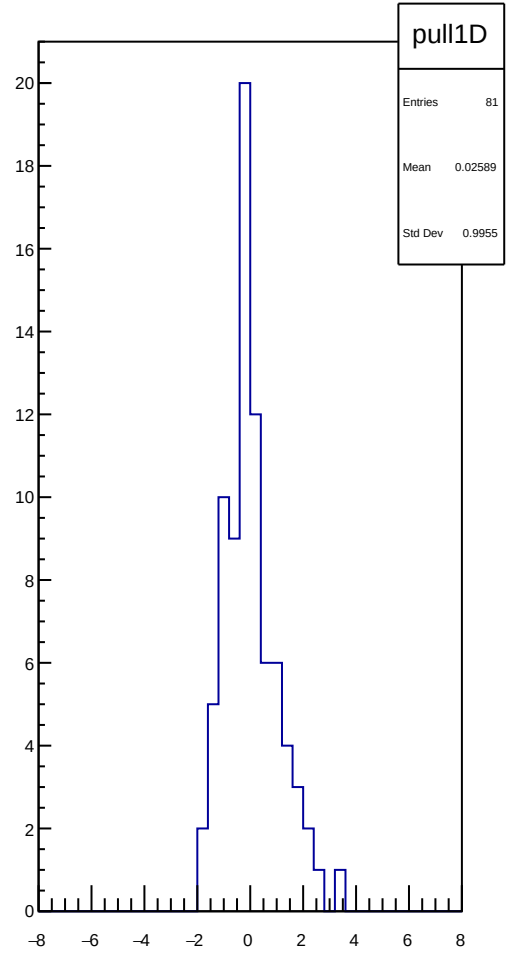

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 5011 / 80
p0 265.9 ± 0.2109
300
290
280
270
260
250
240
230

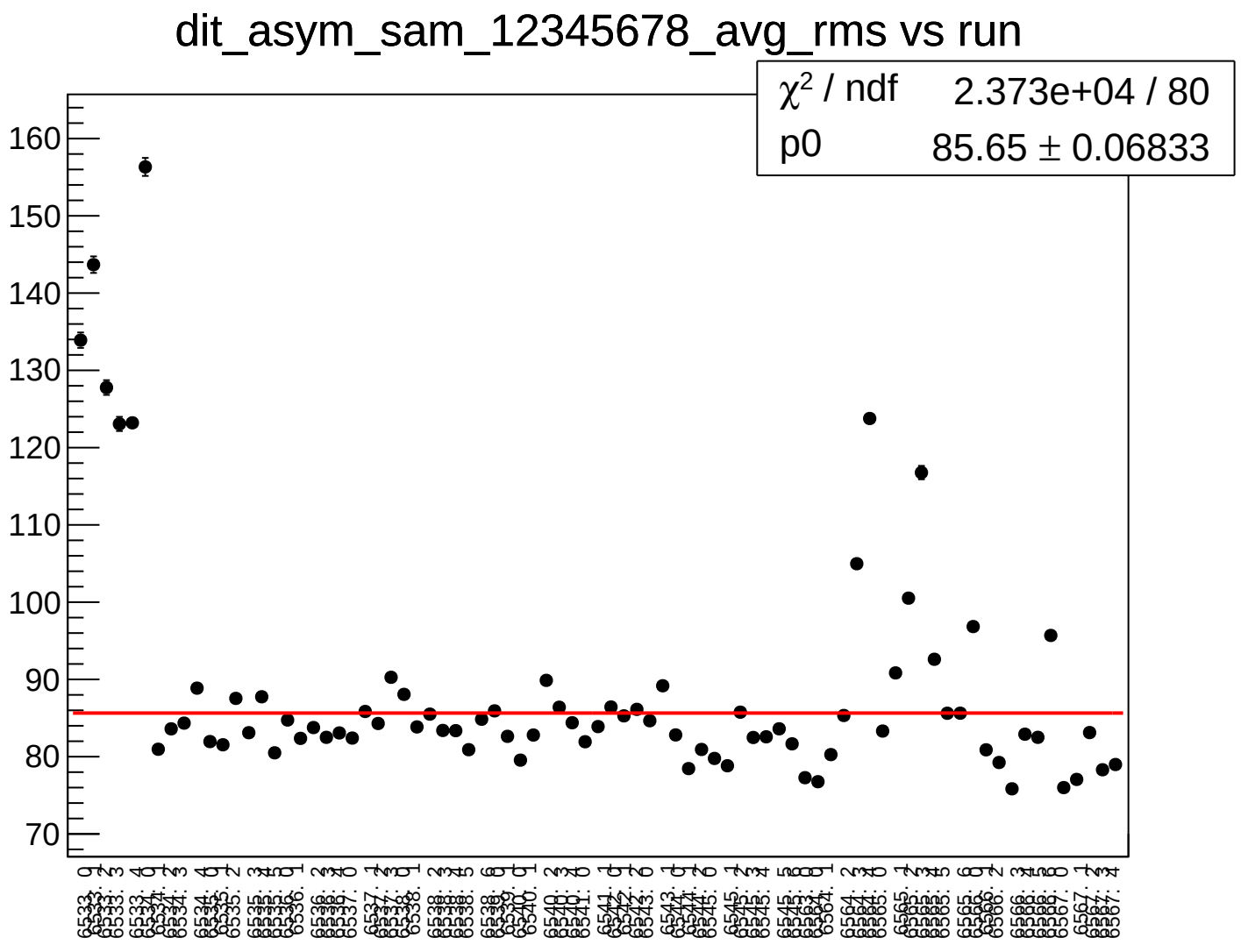

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 87.55 / 80
p0 −435.6 ± 301.2
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 1067
Std Dev 1027
2
1
0
−1
−2

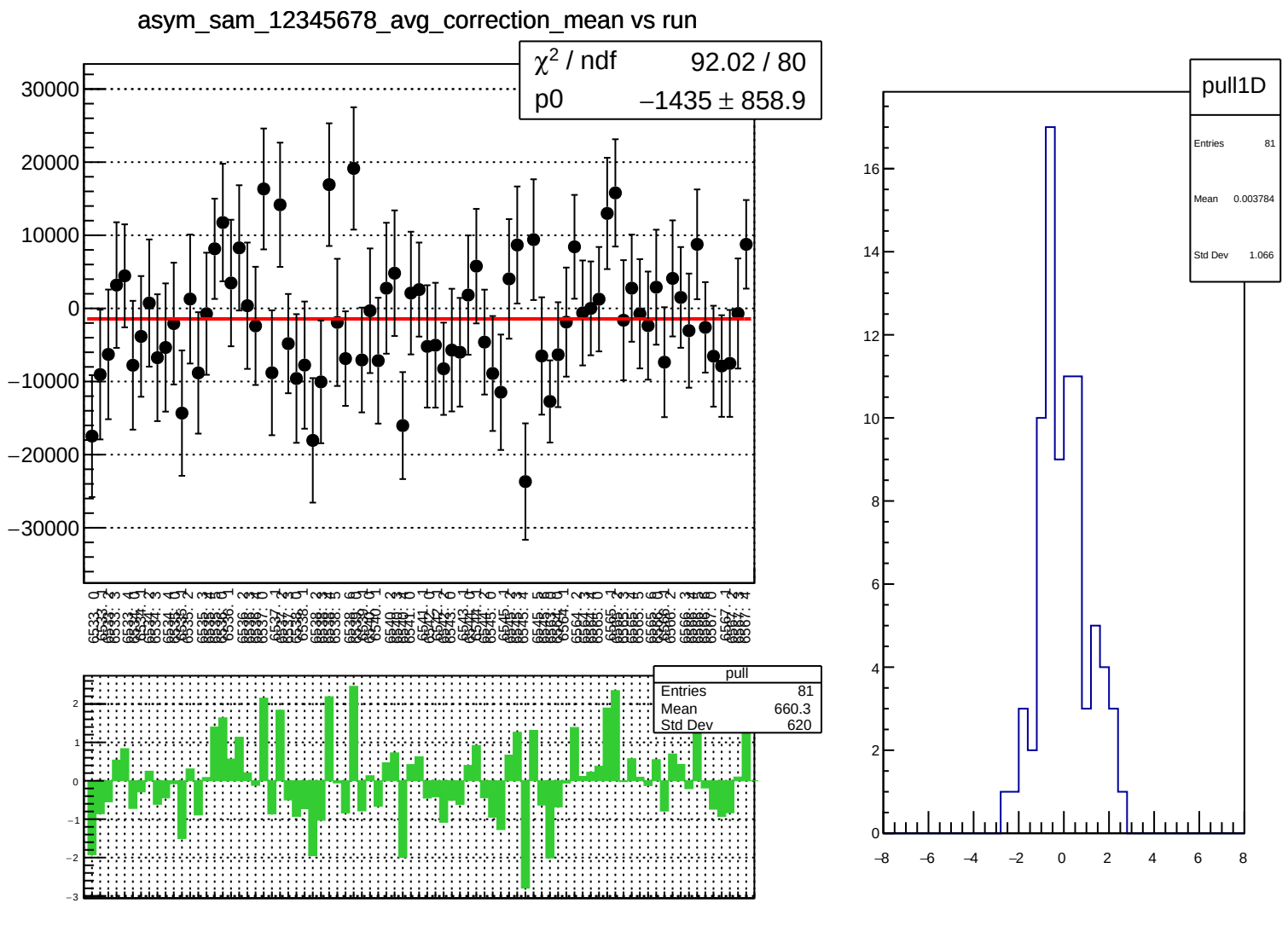

pull1D
Entries 81
Mean 0.002555
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

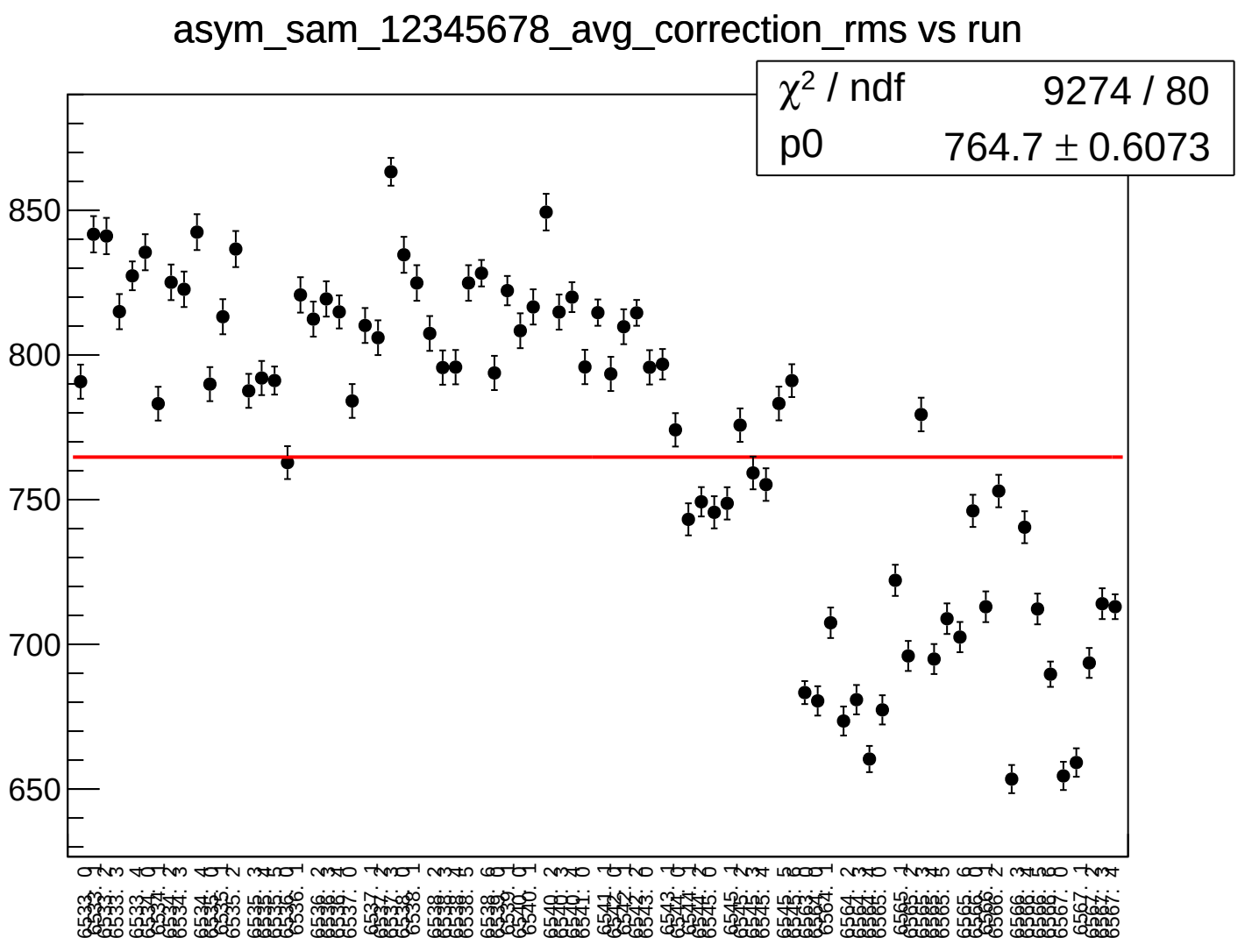

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 5418 / 80
p0 268.5 ± 0.213
310
300
290
280
270
260
250
240
230

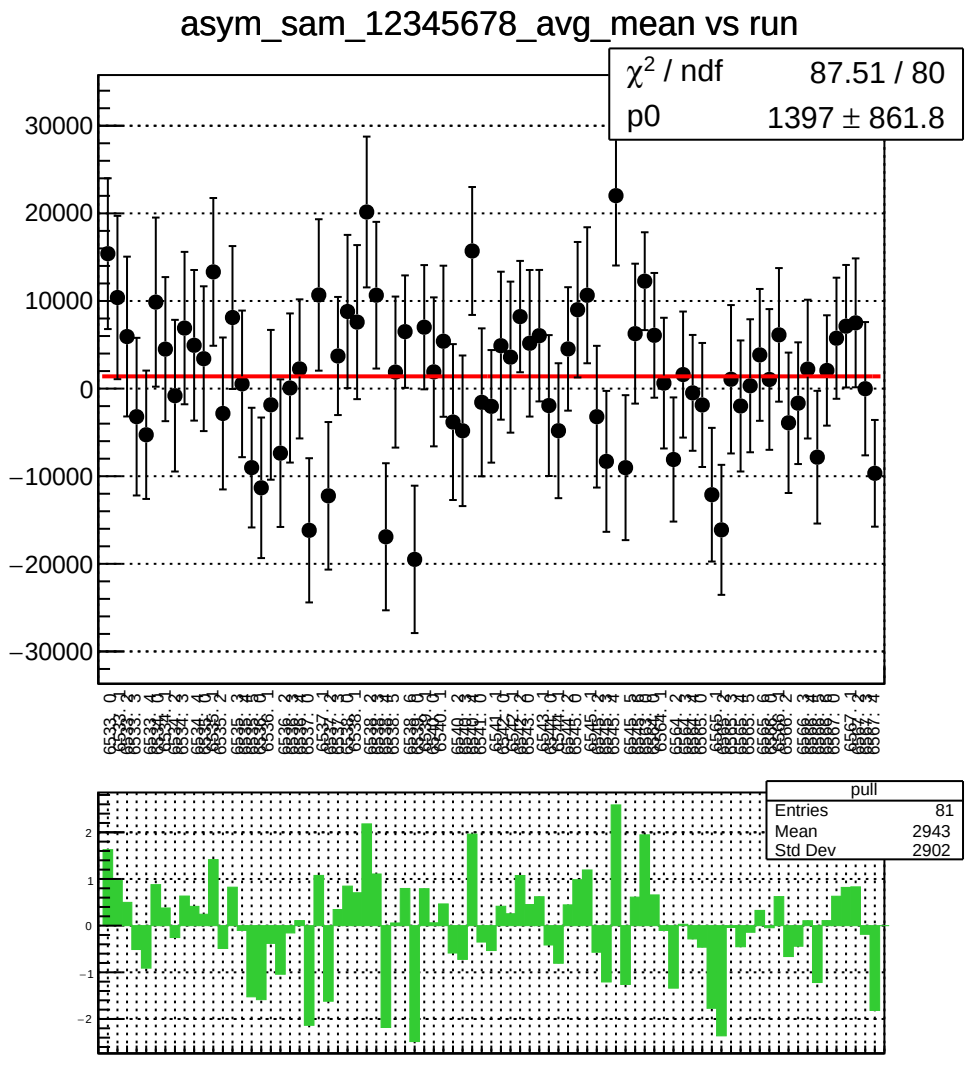

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 80.32 / 80
p0 −66.62 ± 96.63
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −33.13
Std Dev 79.5
3
2
1
0
−1
−2

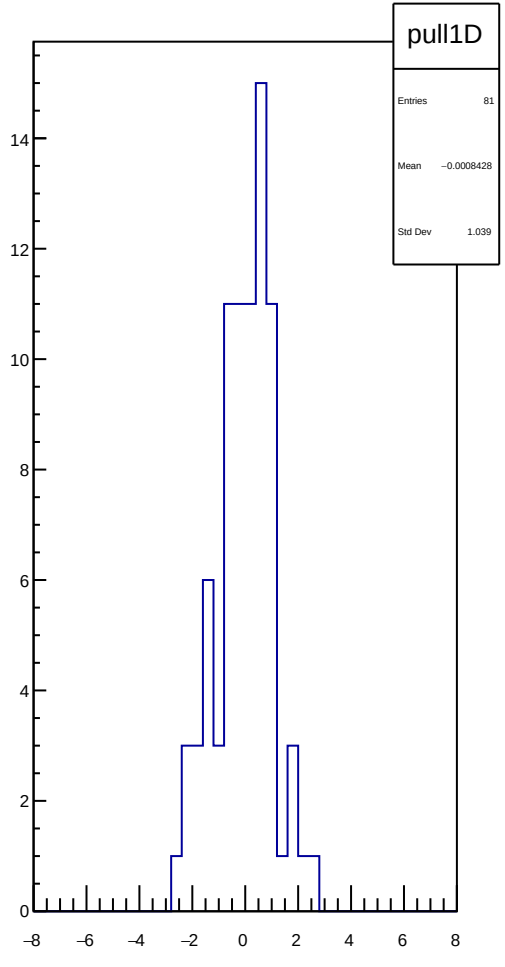

pull1D
Entries 81
Mean 0.02589
Std Dev 0.9955
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

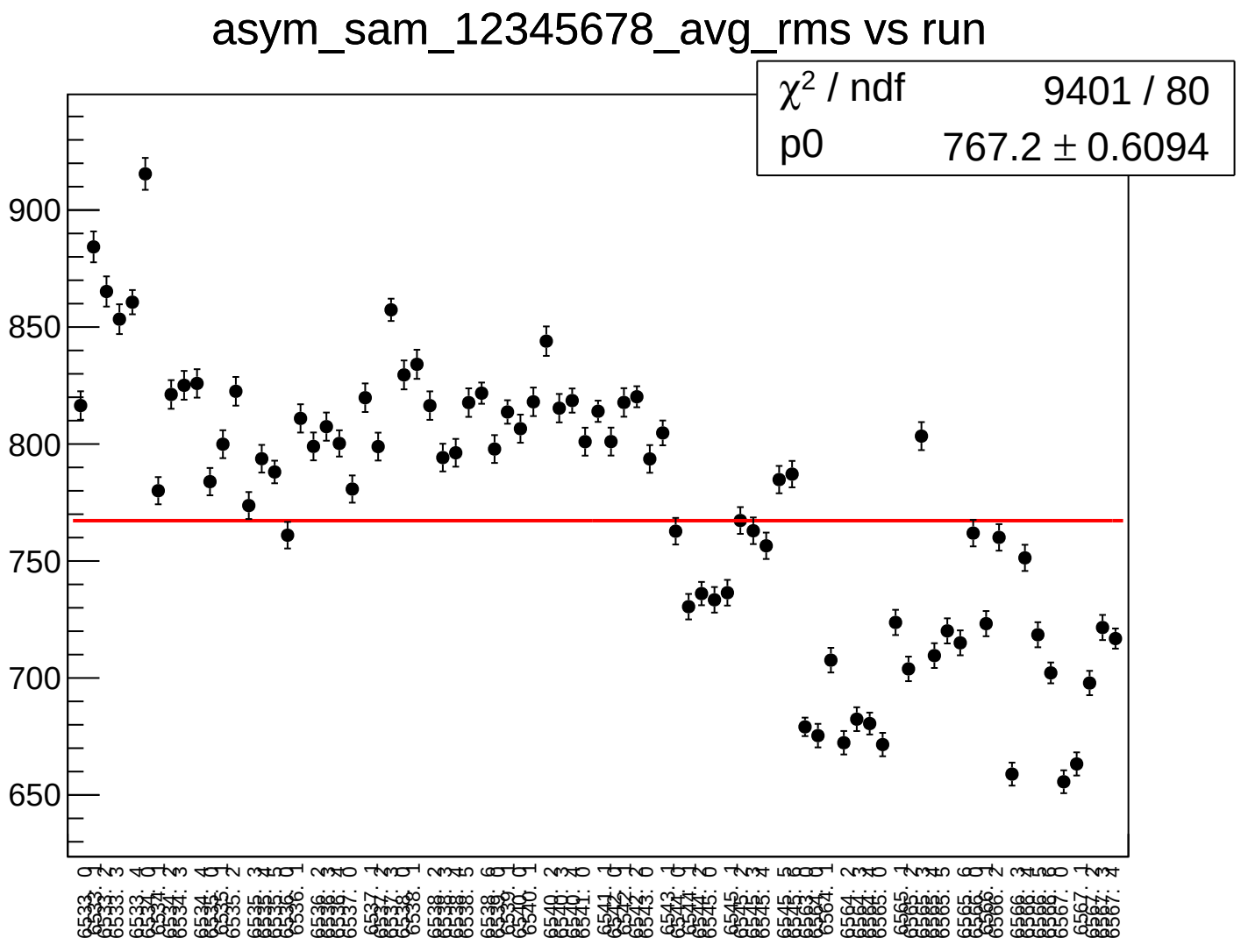

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.373e+04 / 80
p0 85.65 ± 0.06833
160
150
140
130
120
110
100
90
80
70

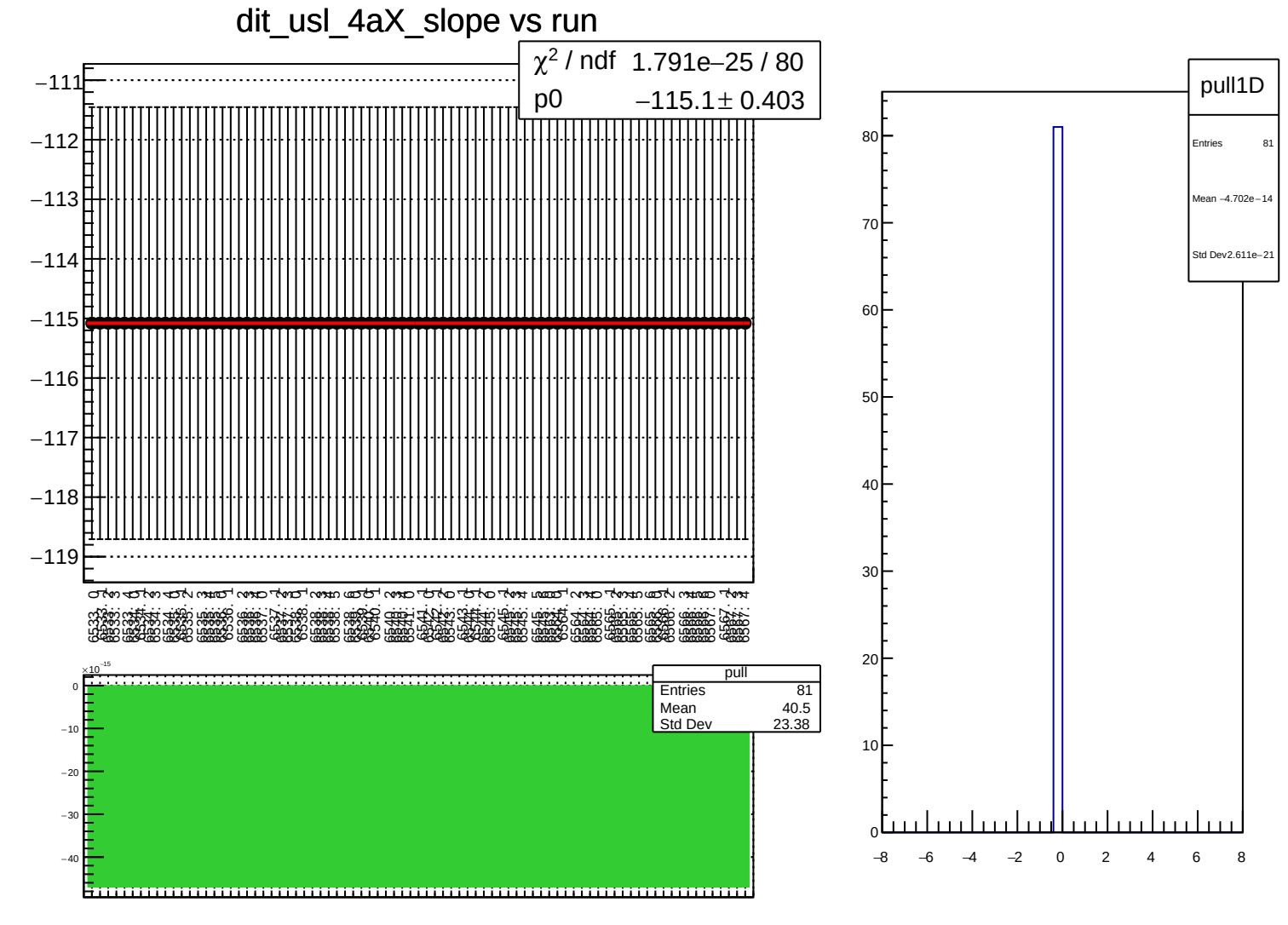

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 92.02 / 80
p0 −1435 ± 858.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 660.3
Std Dev 620
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.003784
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

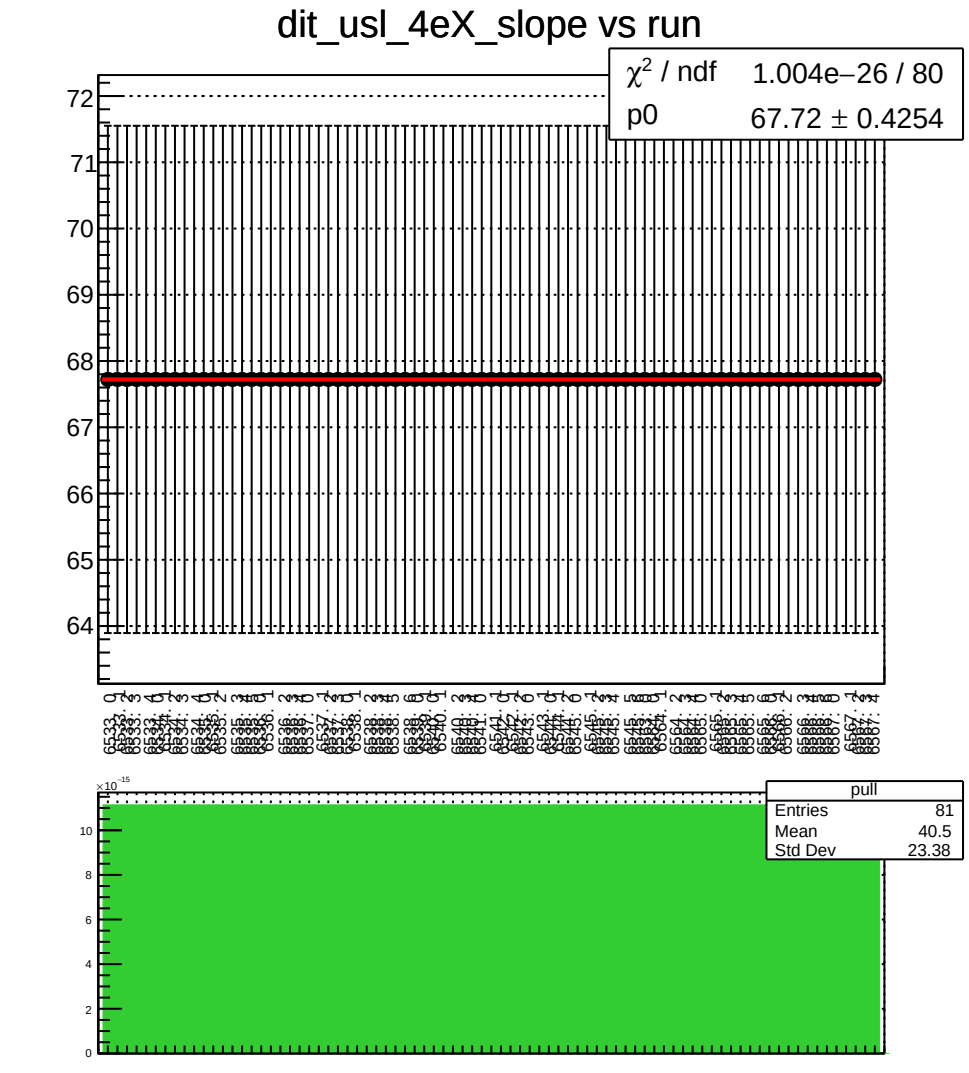

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 9274 / 80
p0 764.7 ± 0.6073
850
800
750
700
650

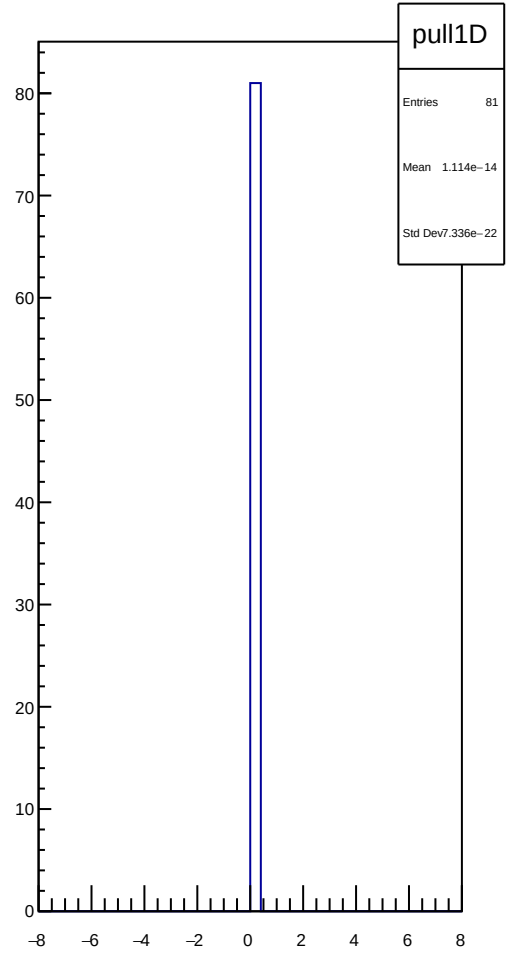

asym_sam_12345678_avg_mean vs run
χ² / ndf 87.51 / 80
p0 1397 ± 861.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 2943
Std Dev 2902
2
1
0
−1
−2

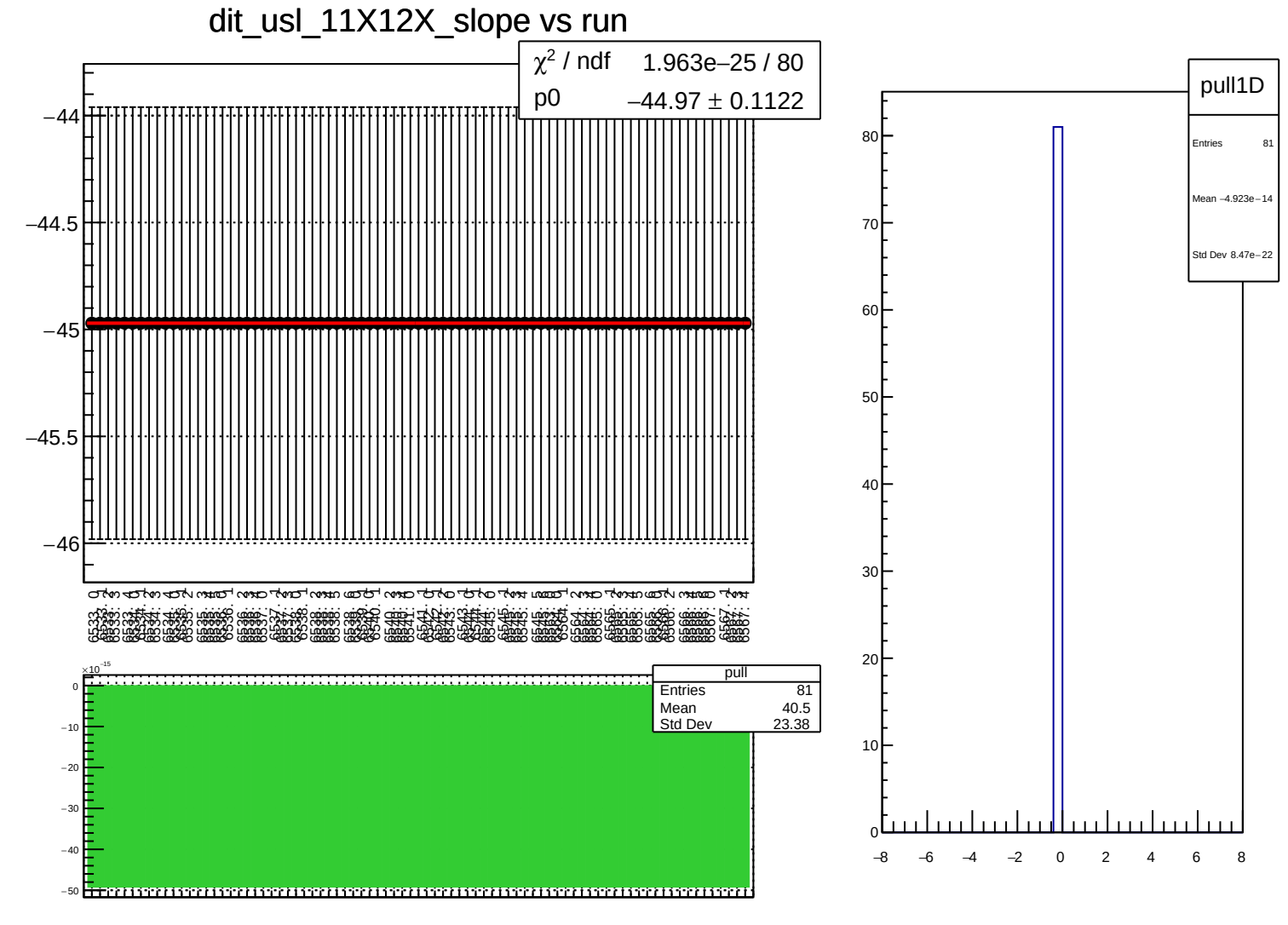

pull1D
Entries 81
Mean −0.0008428
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

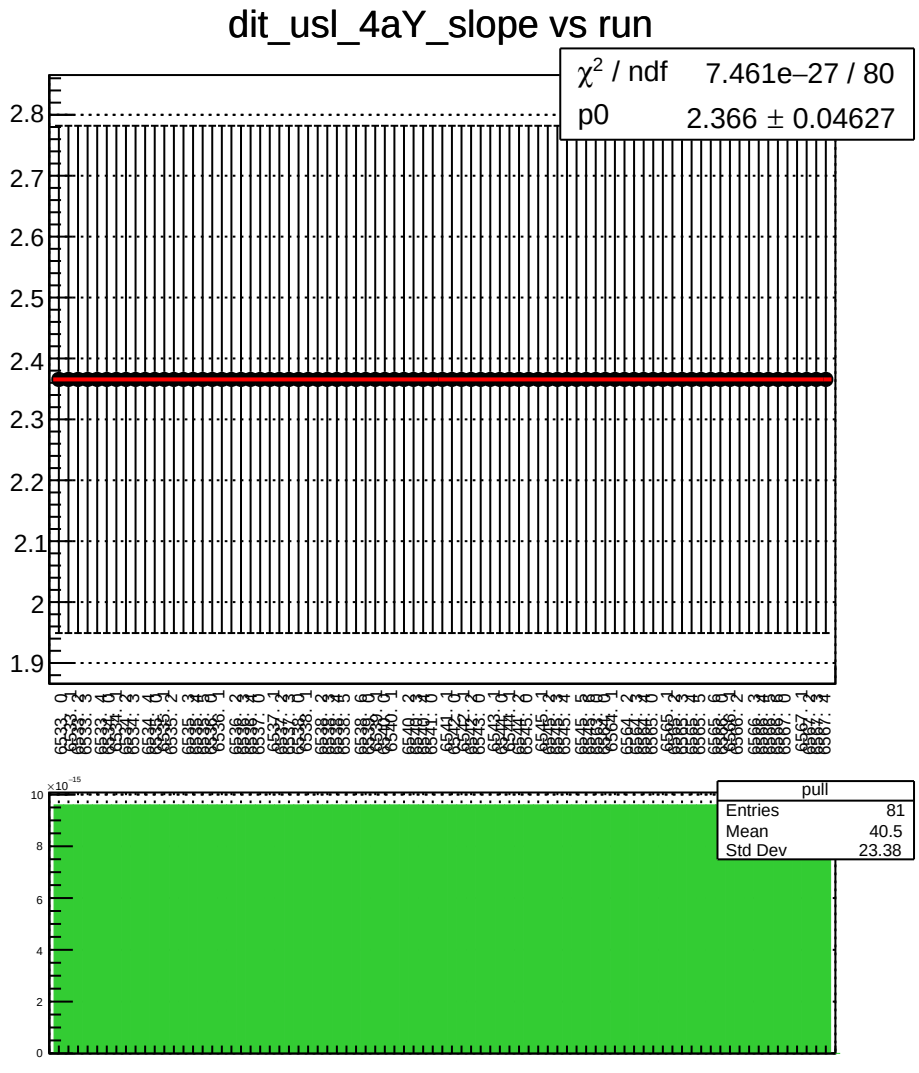

asym_sam_12345678_avg_rms vs run
χ² / ndf 9401 / 80
p0 767.2 ± 0.6094
900
850
800
750
700
650

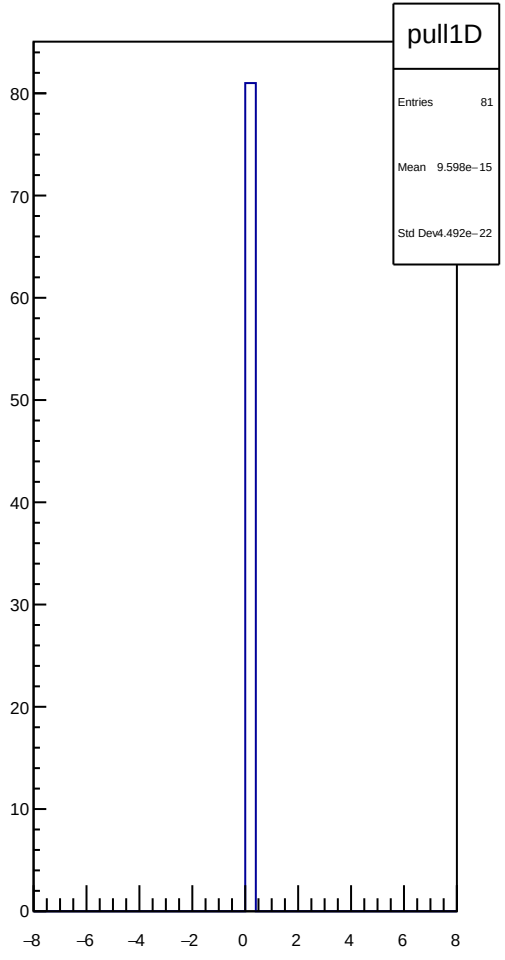

dit_usl_4aX_slope vs run
χ^2 / ndf 1.791e−25 / 80
p0 −115.1± 0.403
−111
−112
−113
−114
−115
−116
−117
−118
−119
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 81
Mean −4.702e−14
Std Dev2.611e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

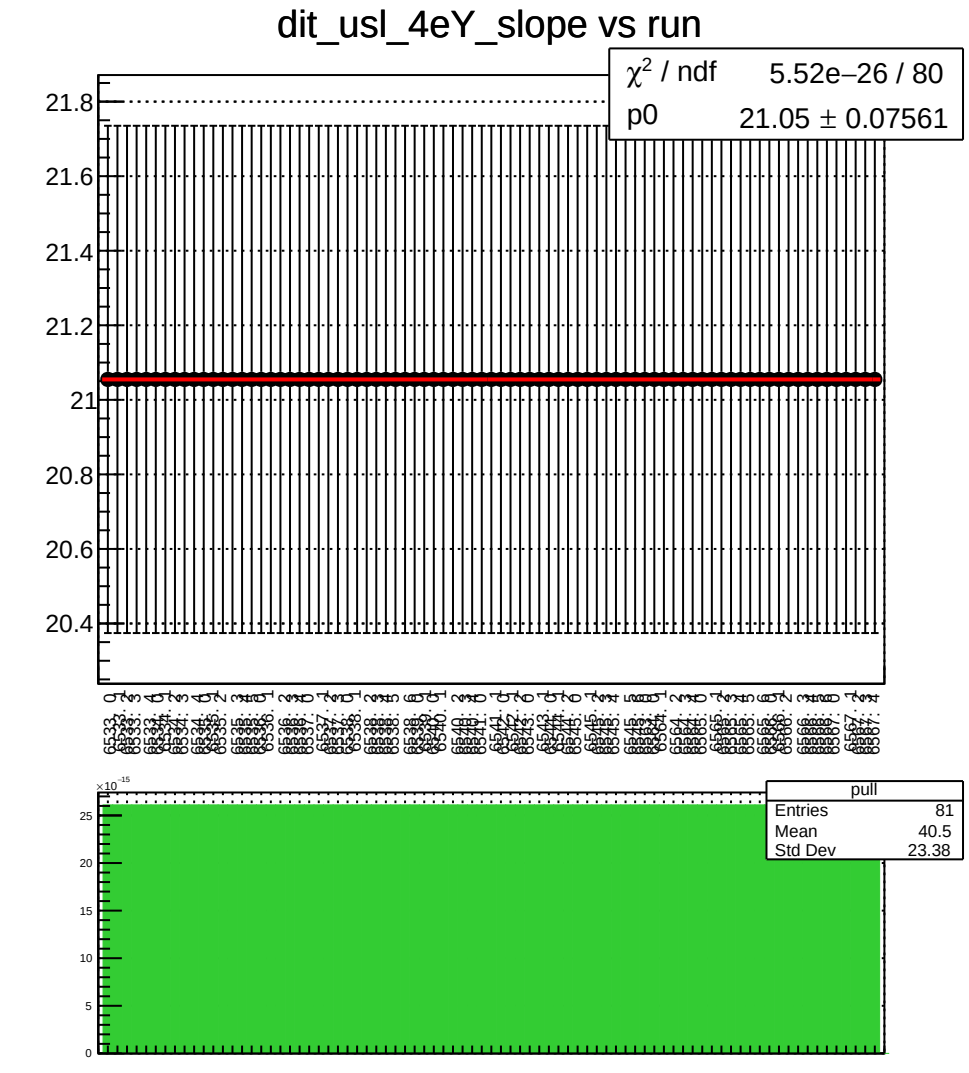

dit_usl_4eX_slope vs run
χ^2 / ndf 1.004e−26 / 80
p0 67.72 ± 0.4254
pull
Entries 81
Mean 40.5
Std Dev 23.38

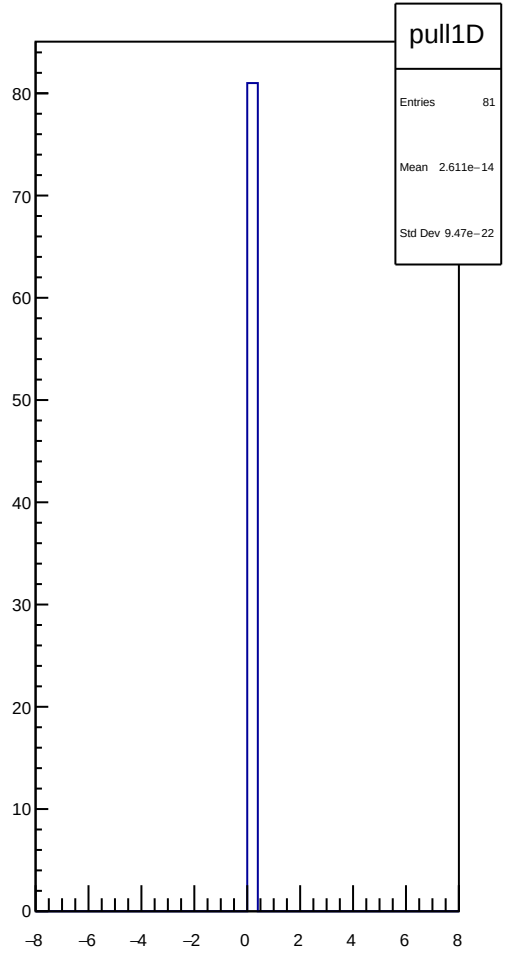

pull1D
Entries 81
Mean 1.114e−14
Std Dev7.336e−22

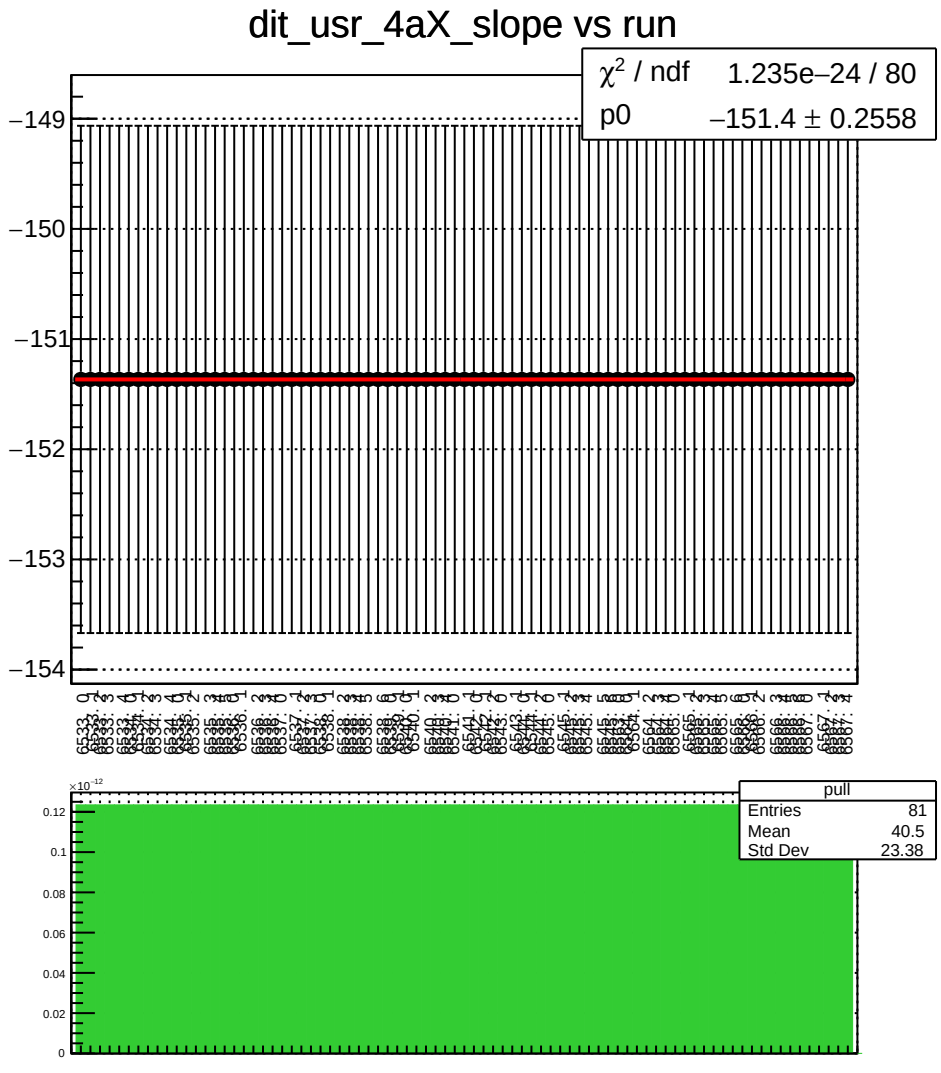

dit_usl_11X12X_slope vs run
χ² / ndf 1.963e−25 / 80
p0 −44.97 ± 0.1122
−44
−44.5
−45
−45.5
−46
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 81
Mean −4.923e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

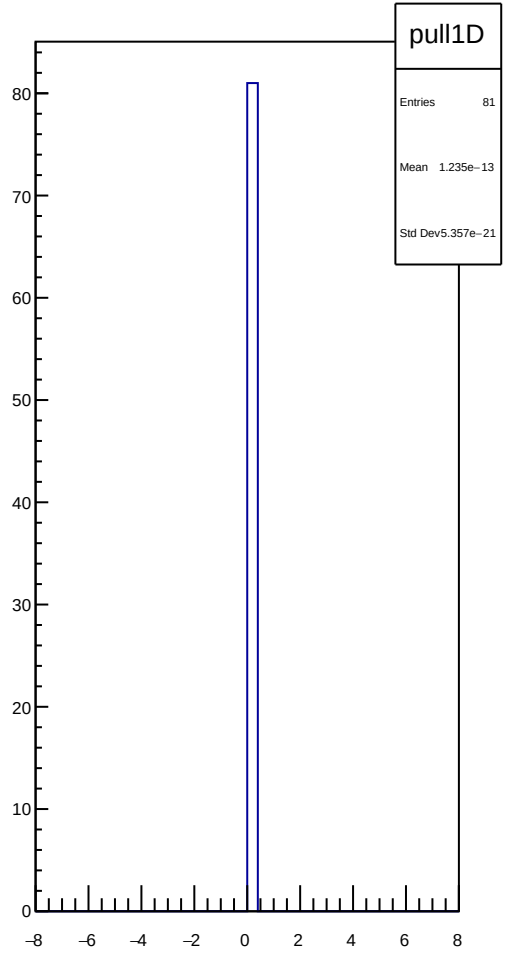

dit_usl_4aY_slope vs run
χ² / ndf 7.461e−27 / 80
p0 2.366 ± 0.04627
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵

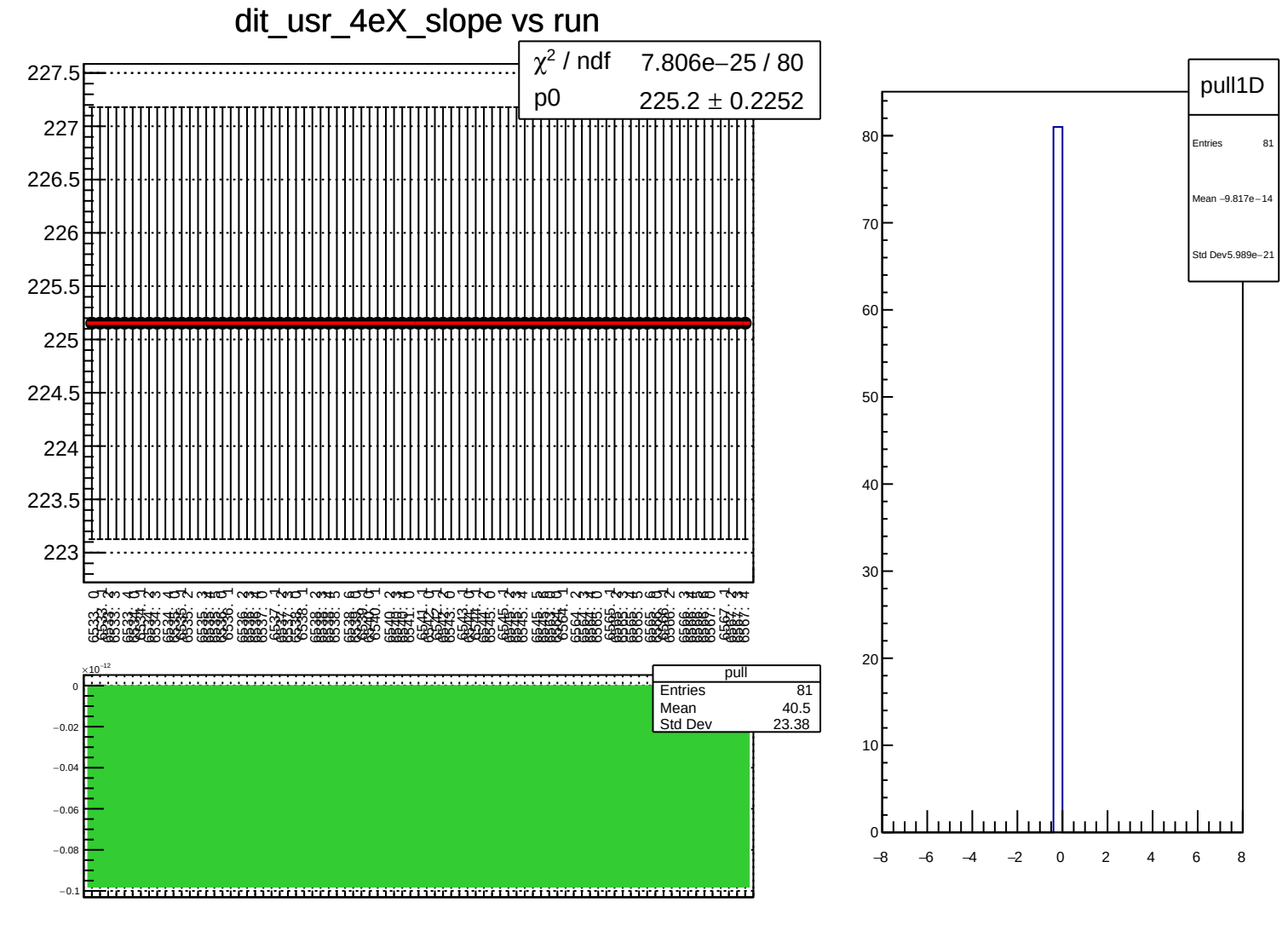

pull1D
Entries 81
Mean 9.598e−15
Std Dev4.492e−22

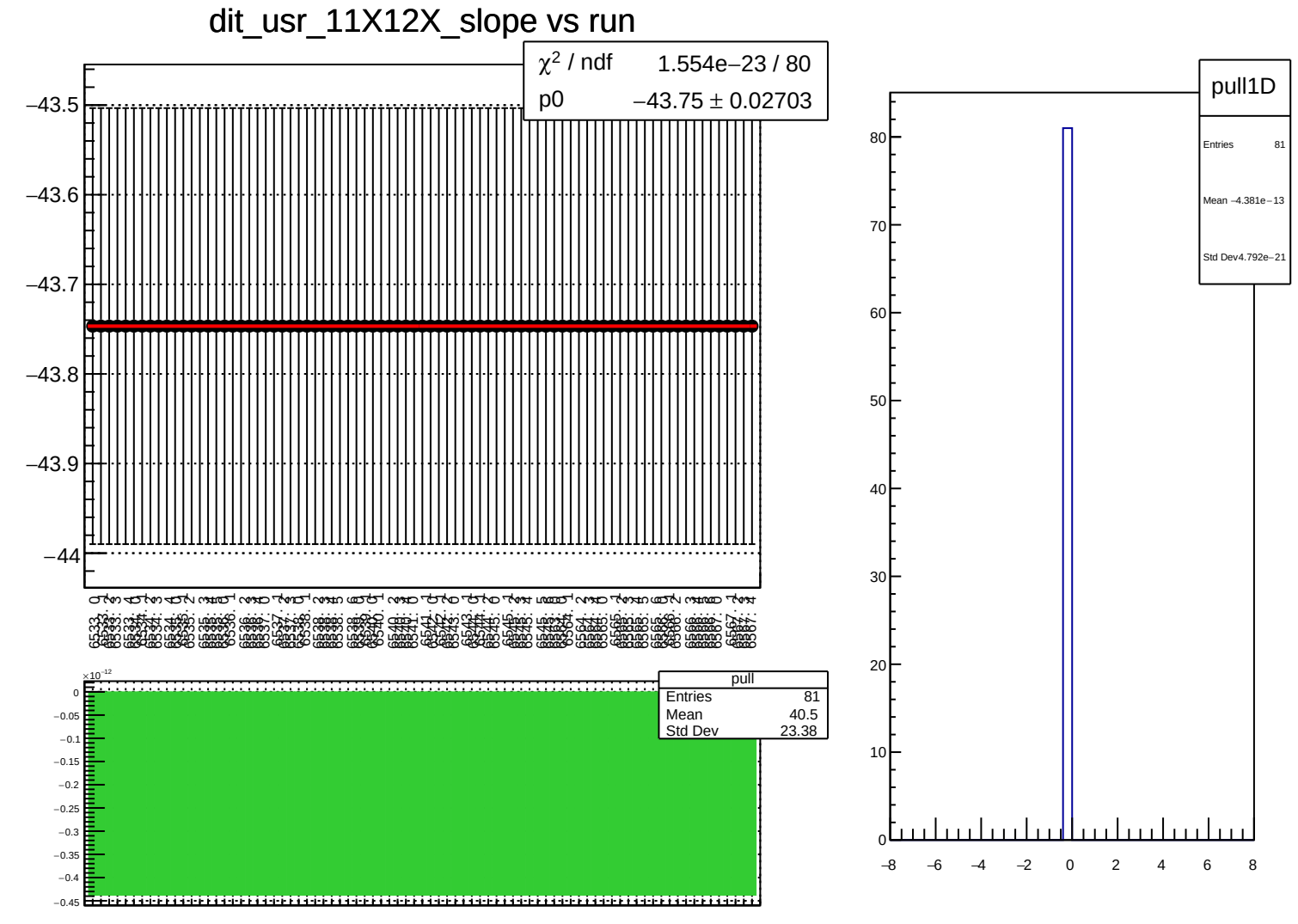

dit_usl_4eY_slope vs run
χ² / ndf 5.52e−26 / 80
p0 21.05 ± 0.07561
21.8
21.6
21.4
21.2
21
20.8
20.6
20.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
25
20
15
10
5
0

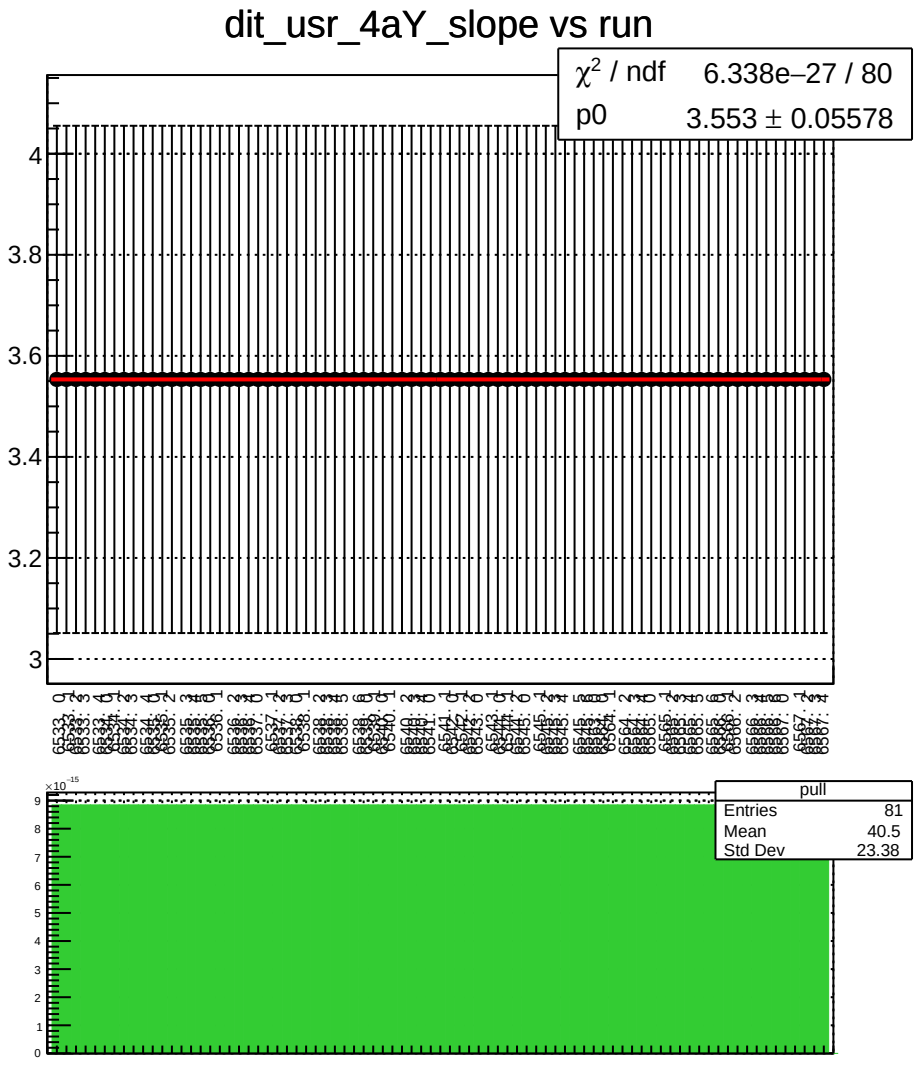

pull1D
Entries 81
Mean 2.611e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

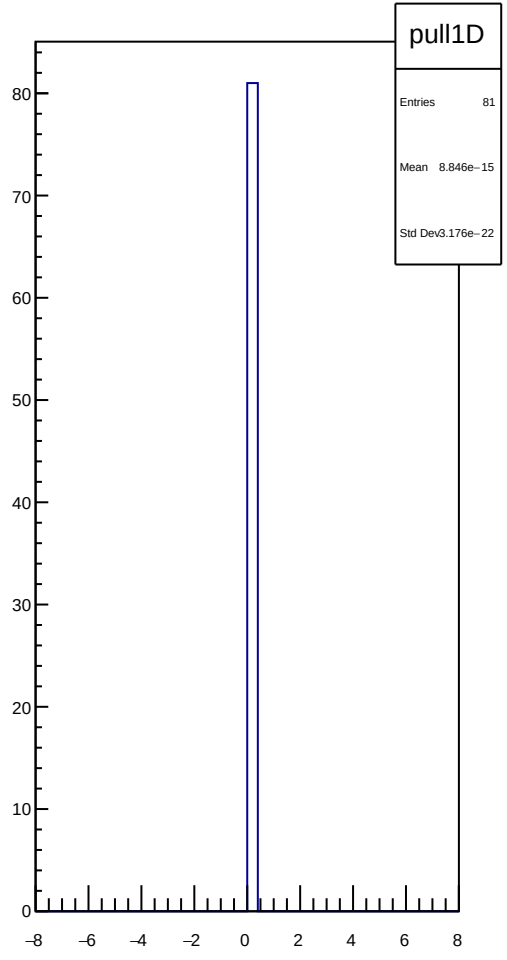

dit_usr_4aX_slope vs run
χ² / ndf 1.235e−24 / 80
p0 −151.4 ± 0.2558
−149
−150
−151
−152
−153
−154
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

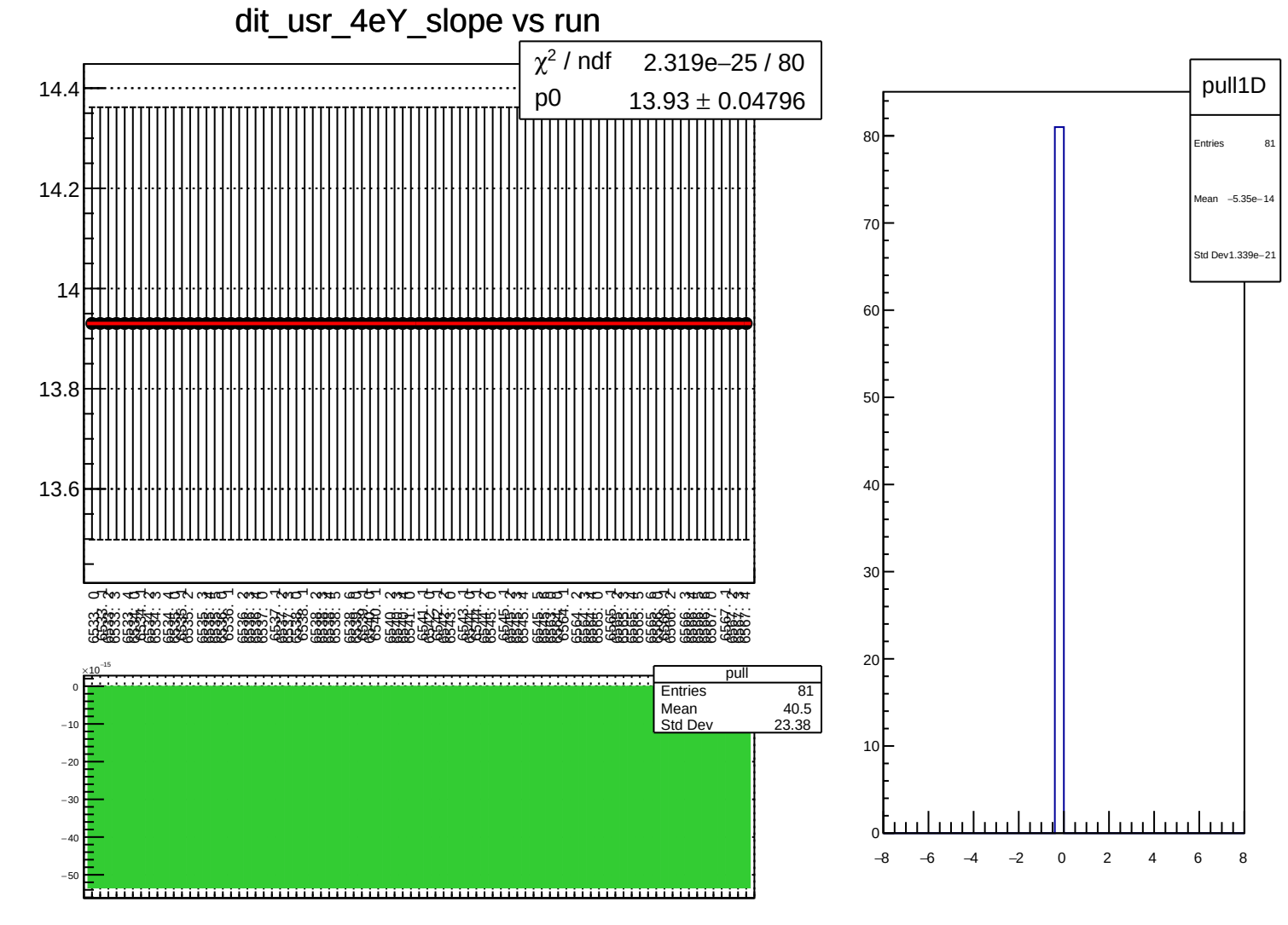

pull1D
Entries 81
Mean 1.235e−13
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

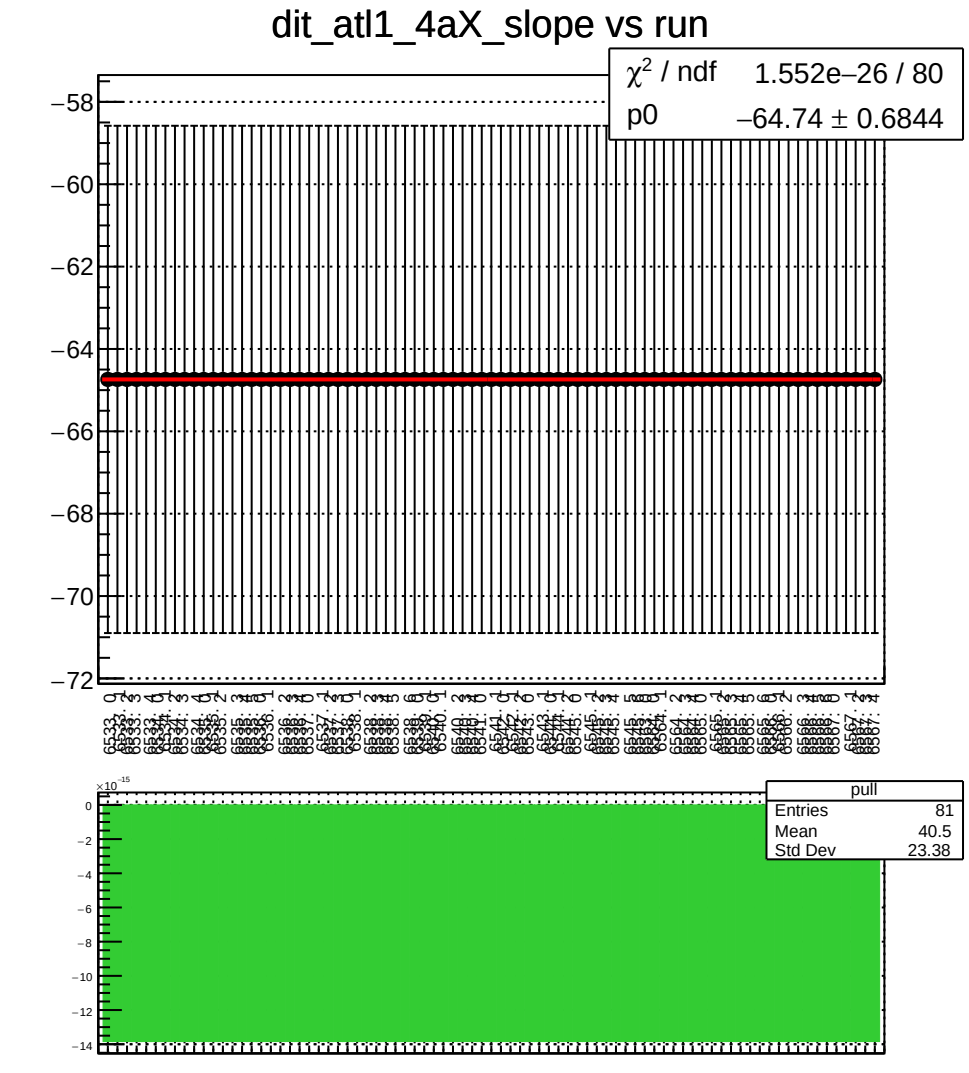

dit_usr_4eX_slope vs run
χ² / ndf 7.806e−25 / 80
p0 225.2 ± 0.2252
227.5
227
226.5
226
225.5
225
224.5
224
223.5
223
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 81
Mean −9.817e−14
Std Dev5.989e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

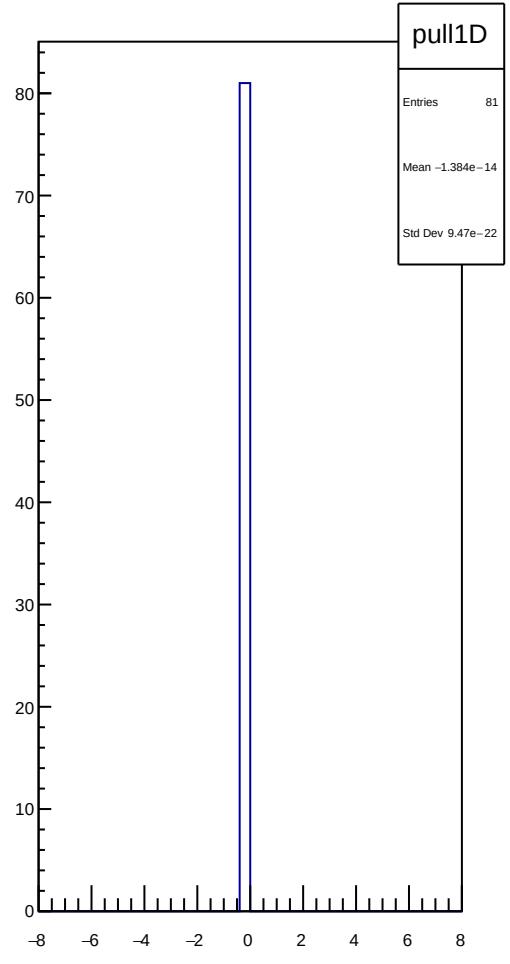

dit_usr_11X12X_slope vs run
χ² / ndf 1.554e−23 / 80
p0 −43.75 ± 0.02703
−43.5
−43.6
−43.7
−43.8
−43.9
−44
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
pull1D
Entries 81
Mean −4.381e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

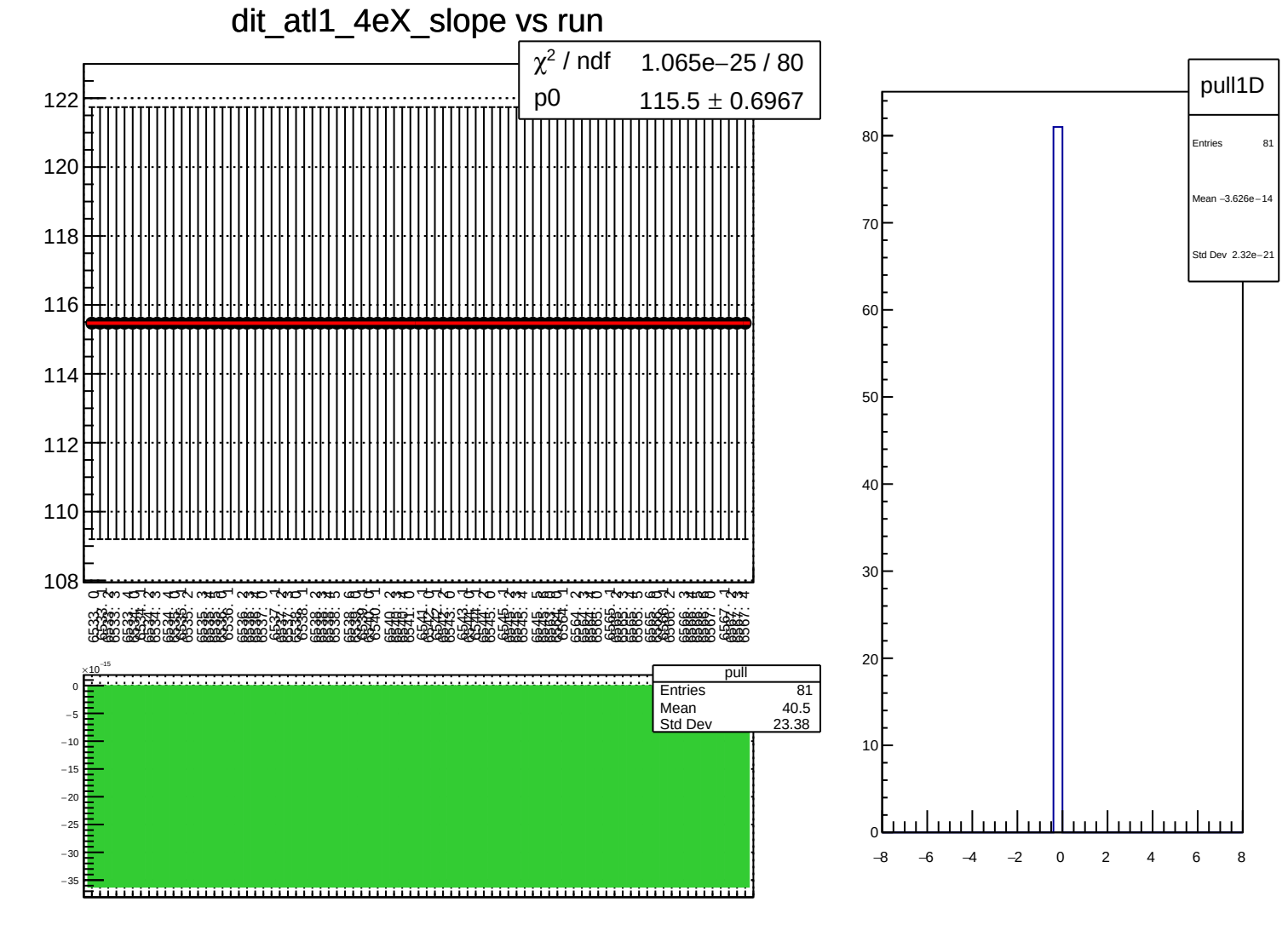

dit_usr_4aY_slope vs run
χ² / ndf 6.338e−27 / 80
p0 3.553 ± 0.05578
4
3.8
3.6
3.4
3.2
3
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0

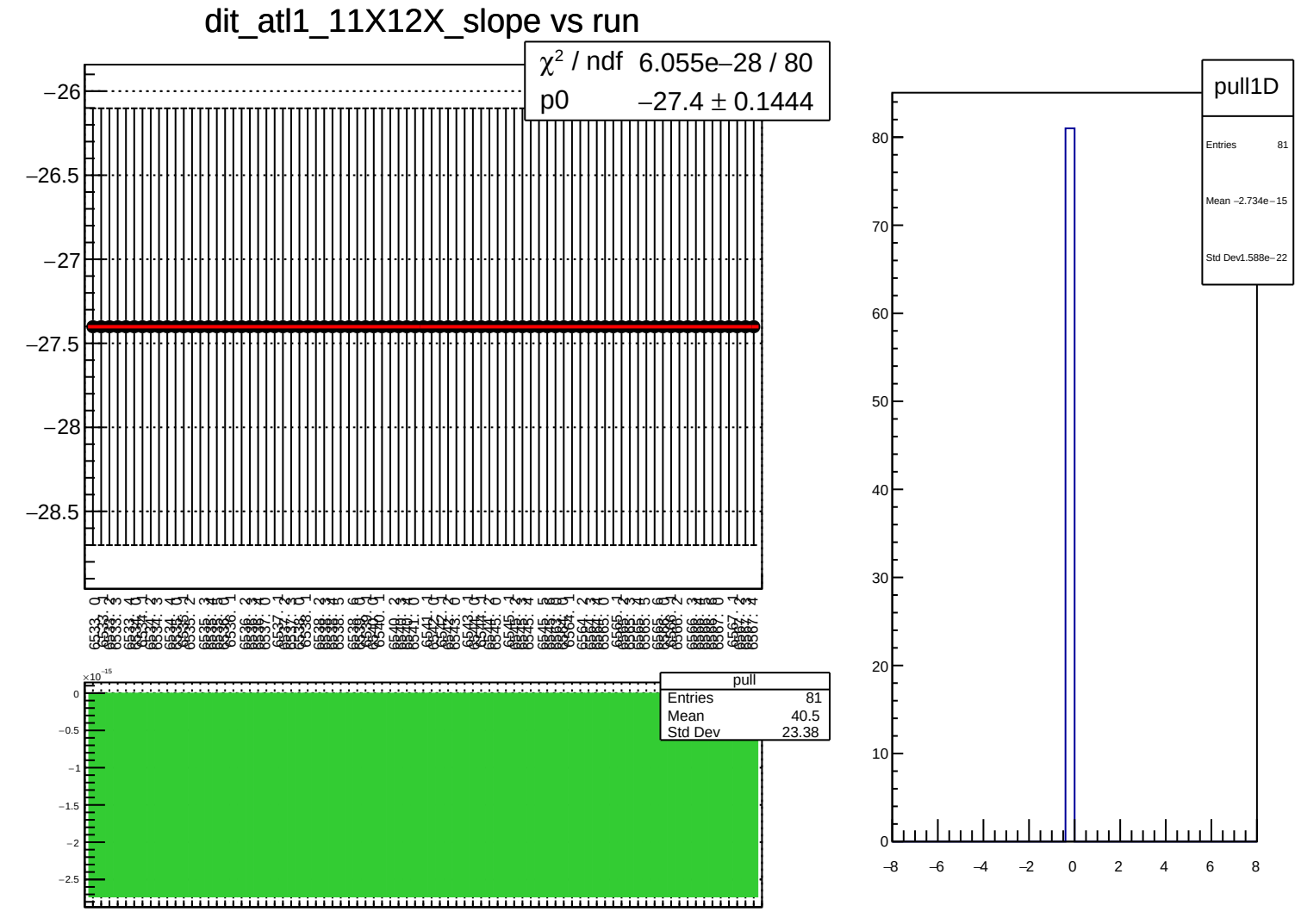

pull1D
Entries 81
Mean 8.846e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

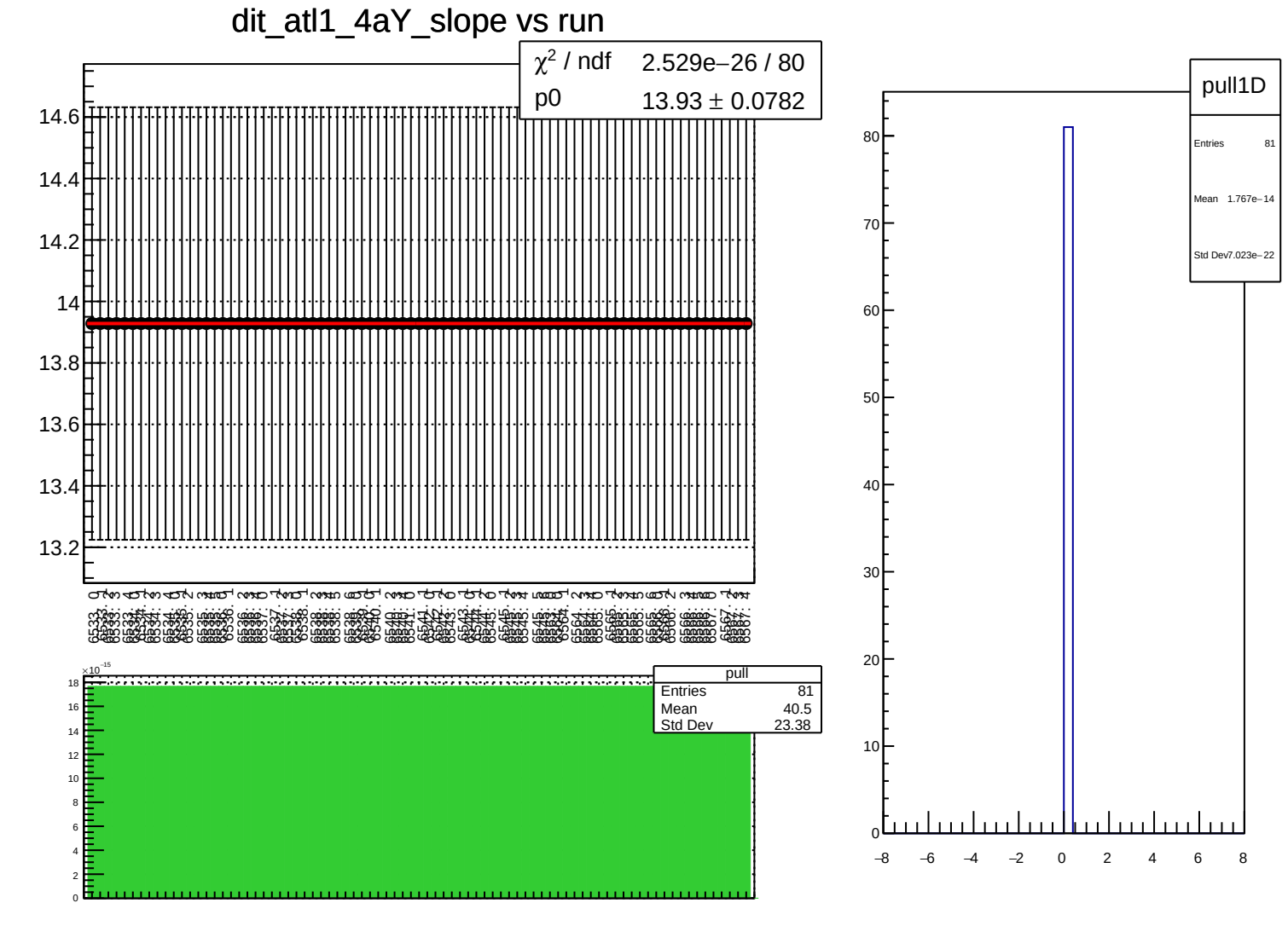

dit_usr_4eY_slope vs run
χ² / ndf 2.319e−25 / 80
p0 13.93 ± 0.04796
14.4
14.2
14
13.8
13.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 81
Mean −5.35e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

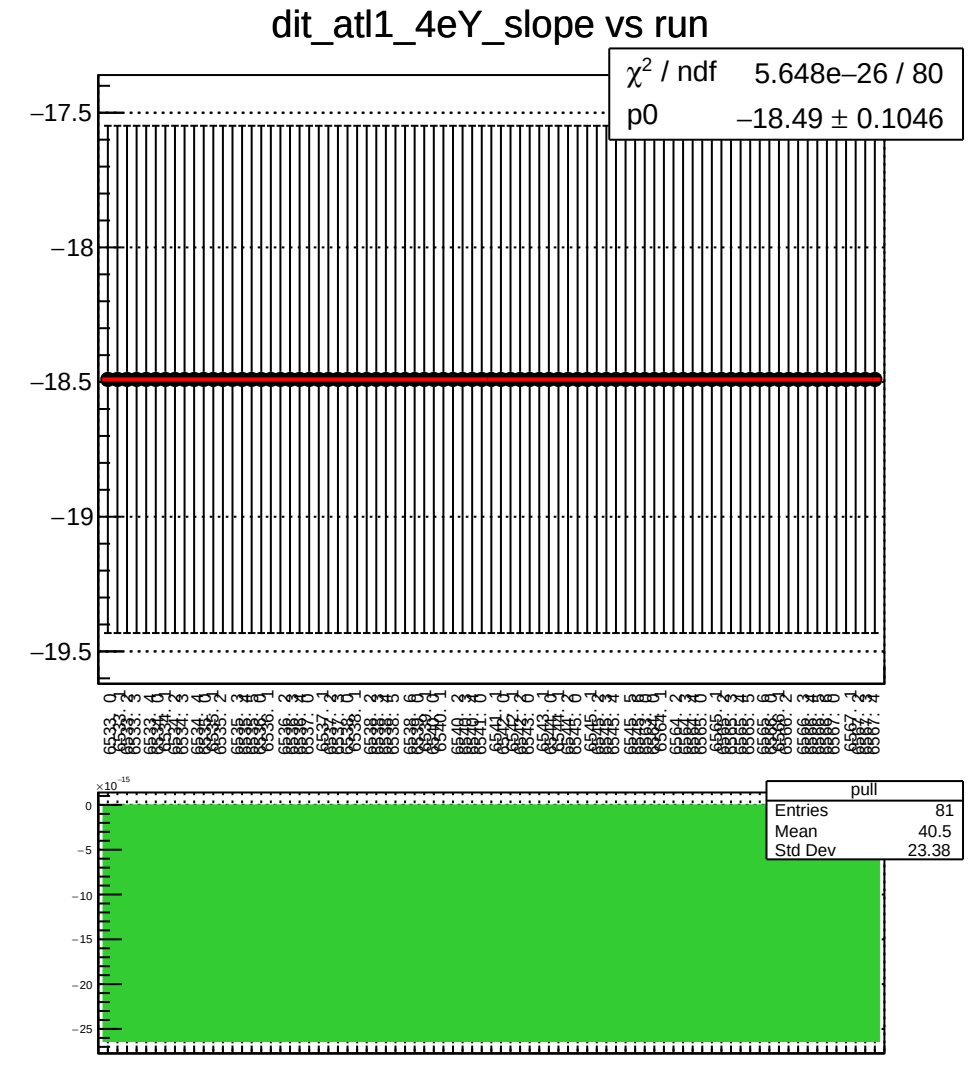

dit_atl1_4aX_slope vs run
χ² / ndf 1.552e−26 / 80
p0 −64.74 ± 0.6844
pull
Entries 81
Mean 40.5
Std Dev 23.38

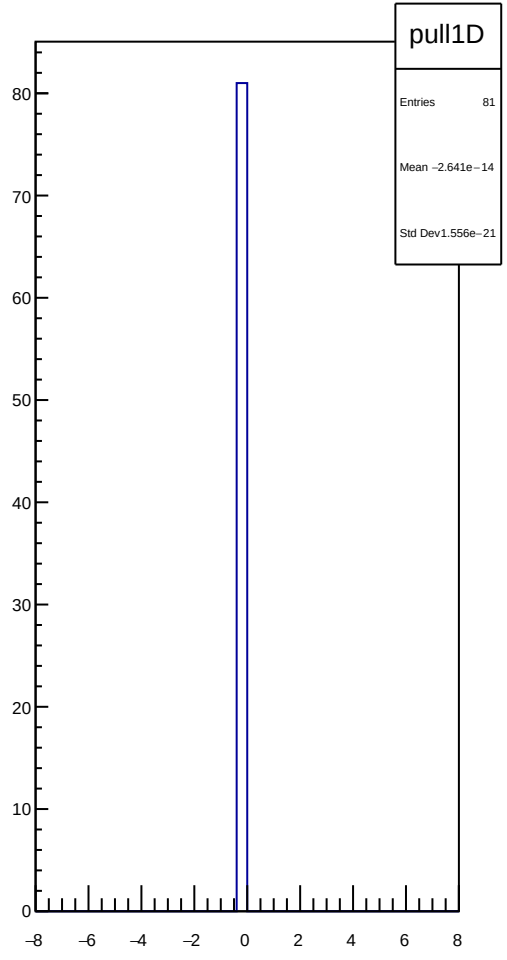

pull1D
Entries 81
Mean −1.384e−14
Std Dev 9.47e−22

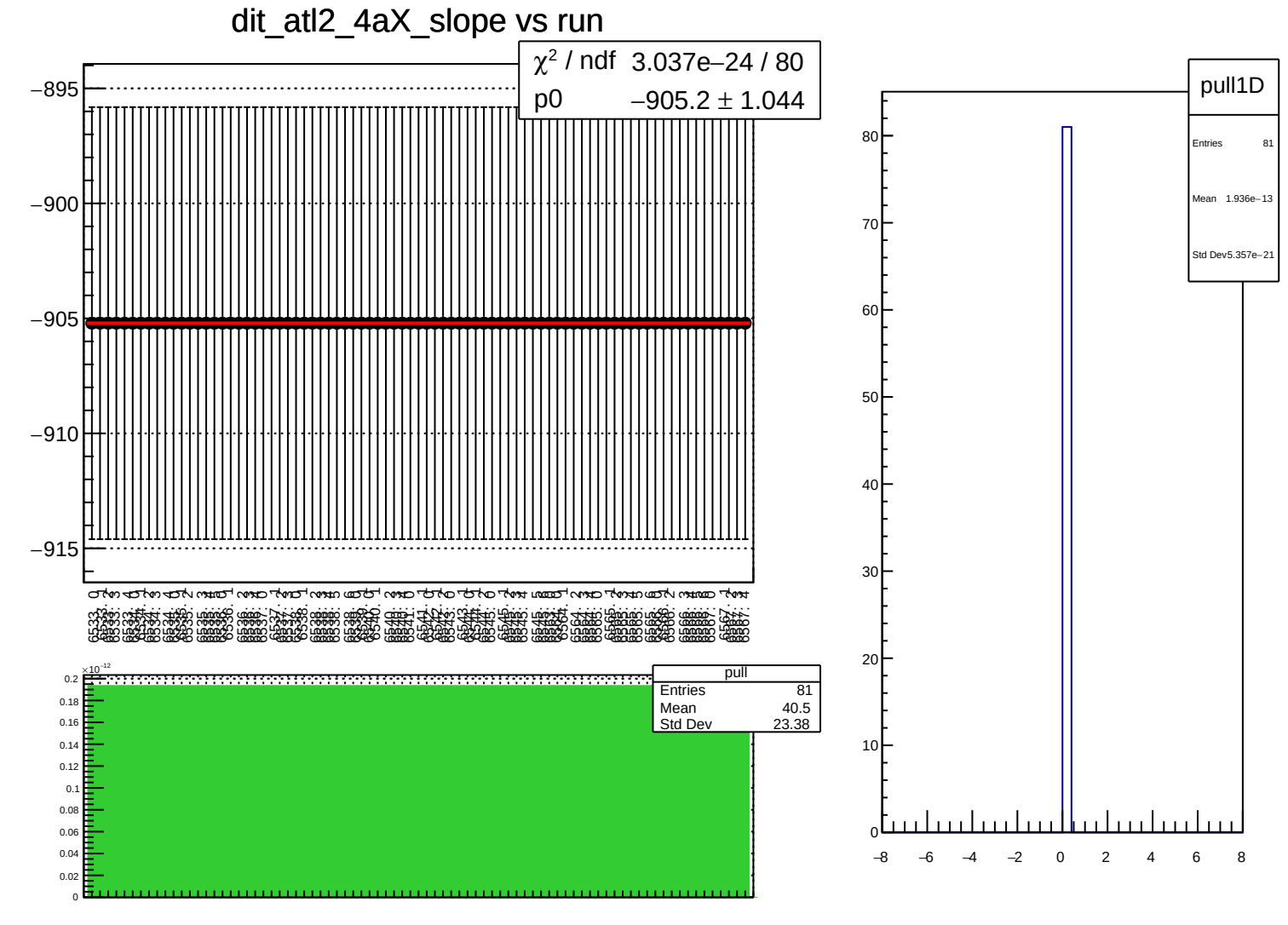

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.065e−25 / 80
p0 115.5 ± 0.6967
122
120
118
116
114
112
110
108
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 81
Mean −3.626e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

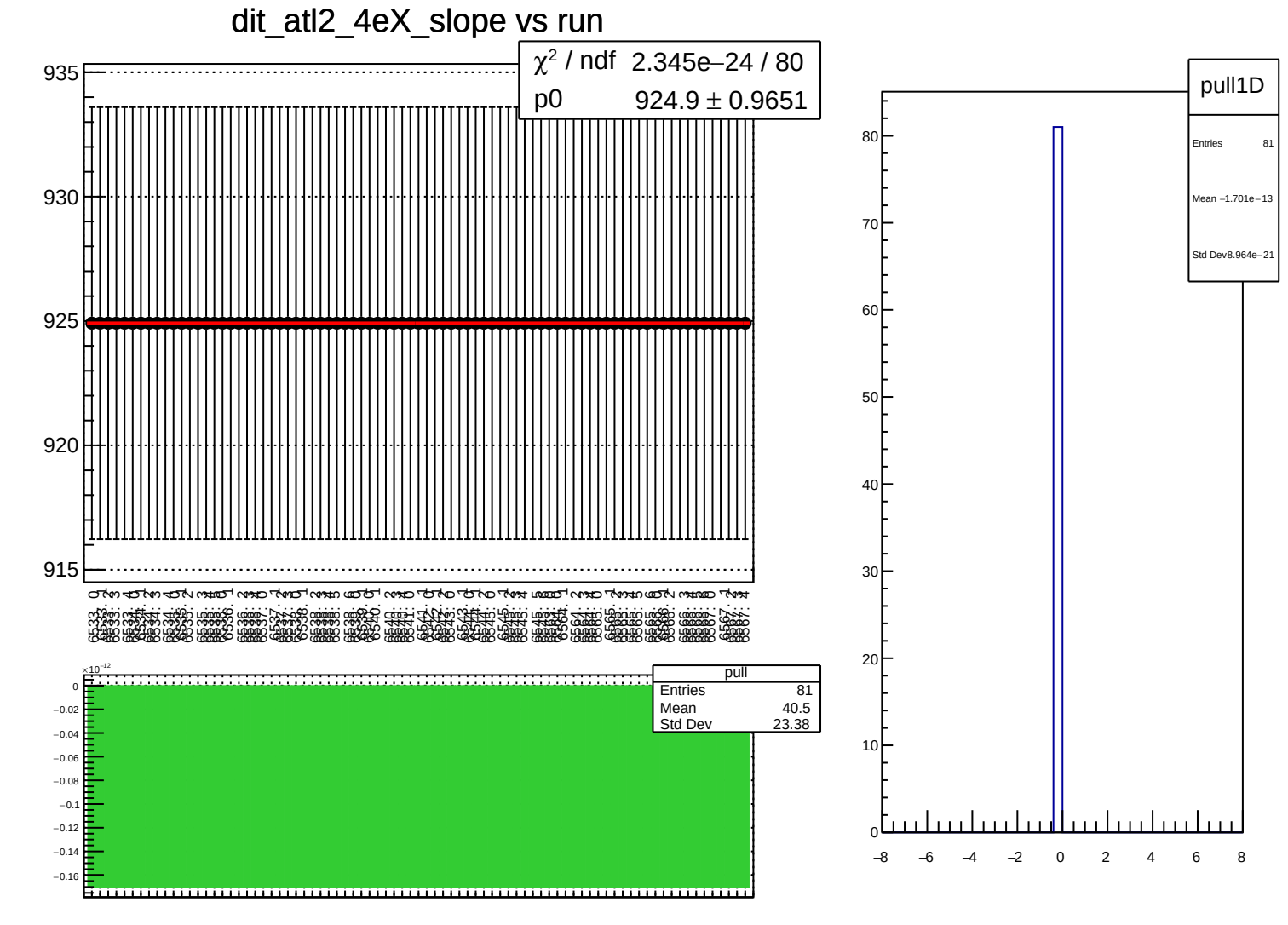

dit_atl1_11X12X_slope vs run
χ² / ndf 6.055e−28 / 80
p0 −27.4 ± 0.1444
−26
−26.5
−27
−27.5
−28
−28.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −2.734e−15
Std Dev1.588e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

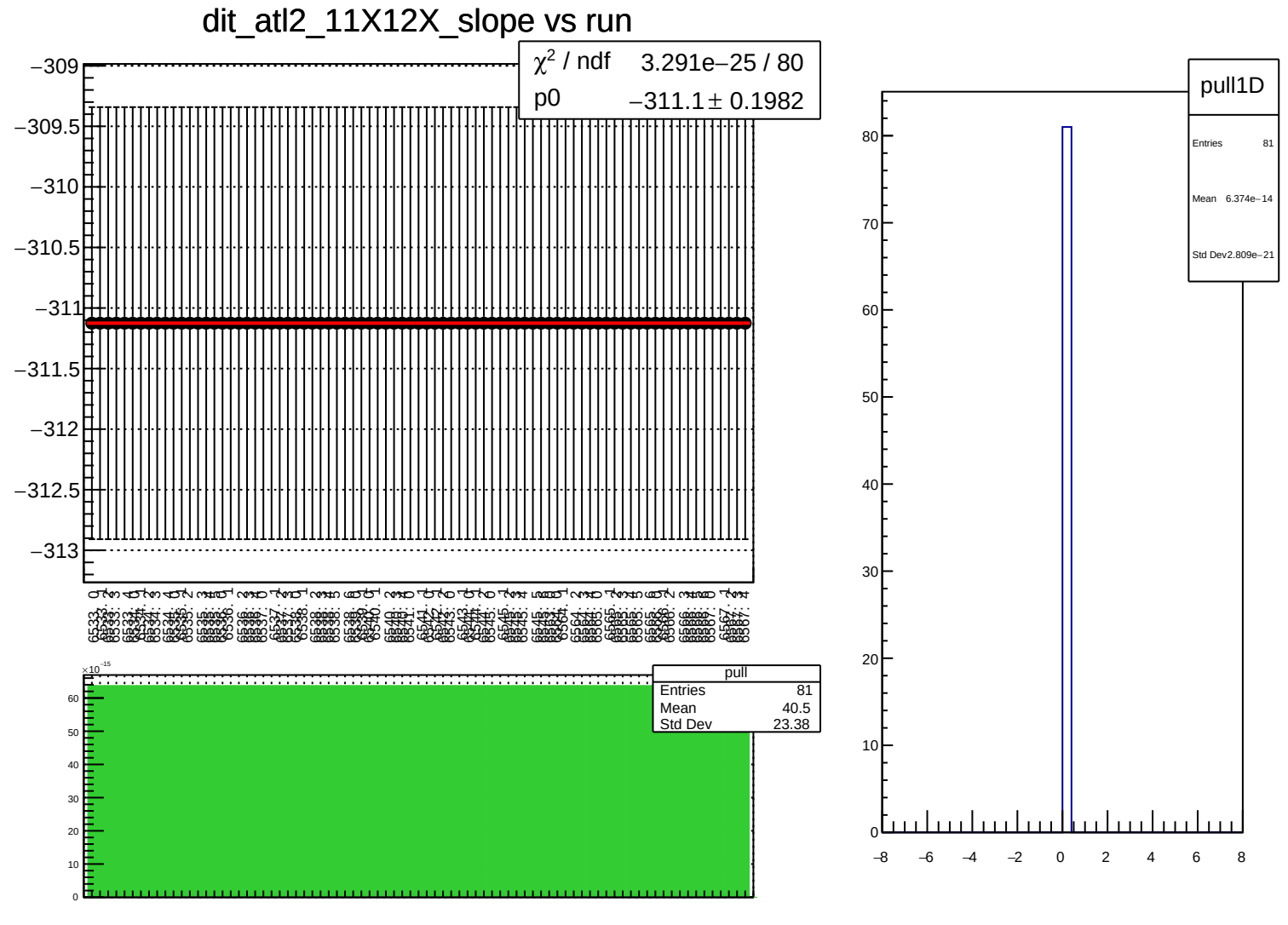

dit_atl1_4aY_slope vs run
χ² / ndf 2.529e−26 / 80
p0 13.93 ± 0.0782
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.767e−14
Std Dev7.023e−22

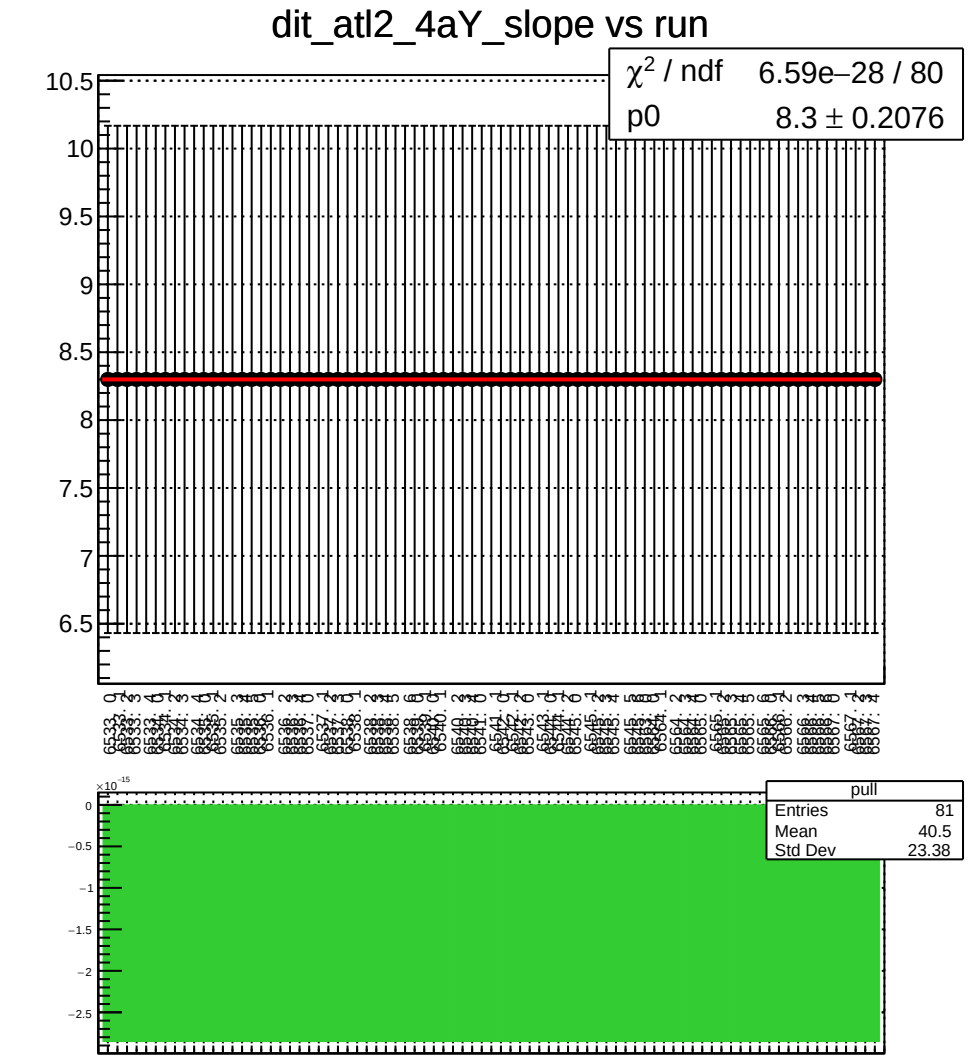

dit_atl1_4eY_slope vs run
χ² / ndf 5.648e−26 / 80
p0 −18.49 ± 0.1046
−17.5
−18
−18.5
−19
−19.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25

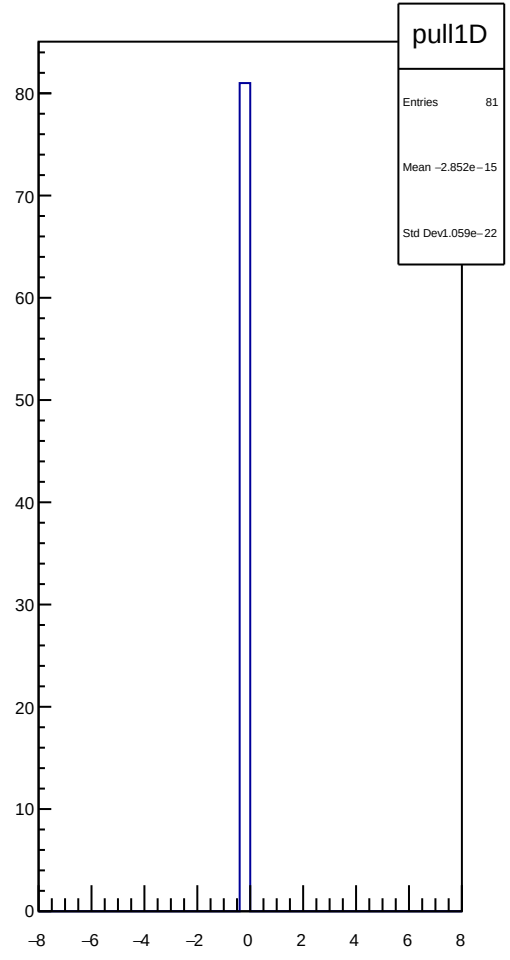

pull1D
Entries 81
Mean −2.641e−14
Std Dev1.556e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

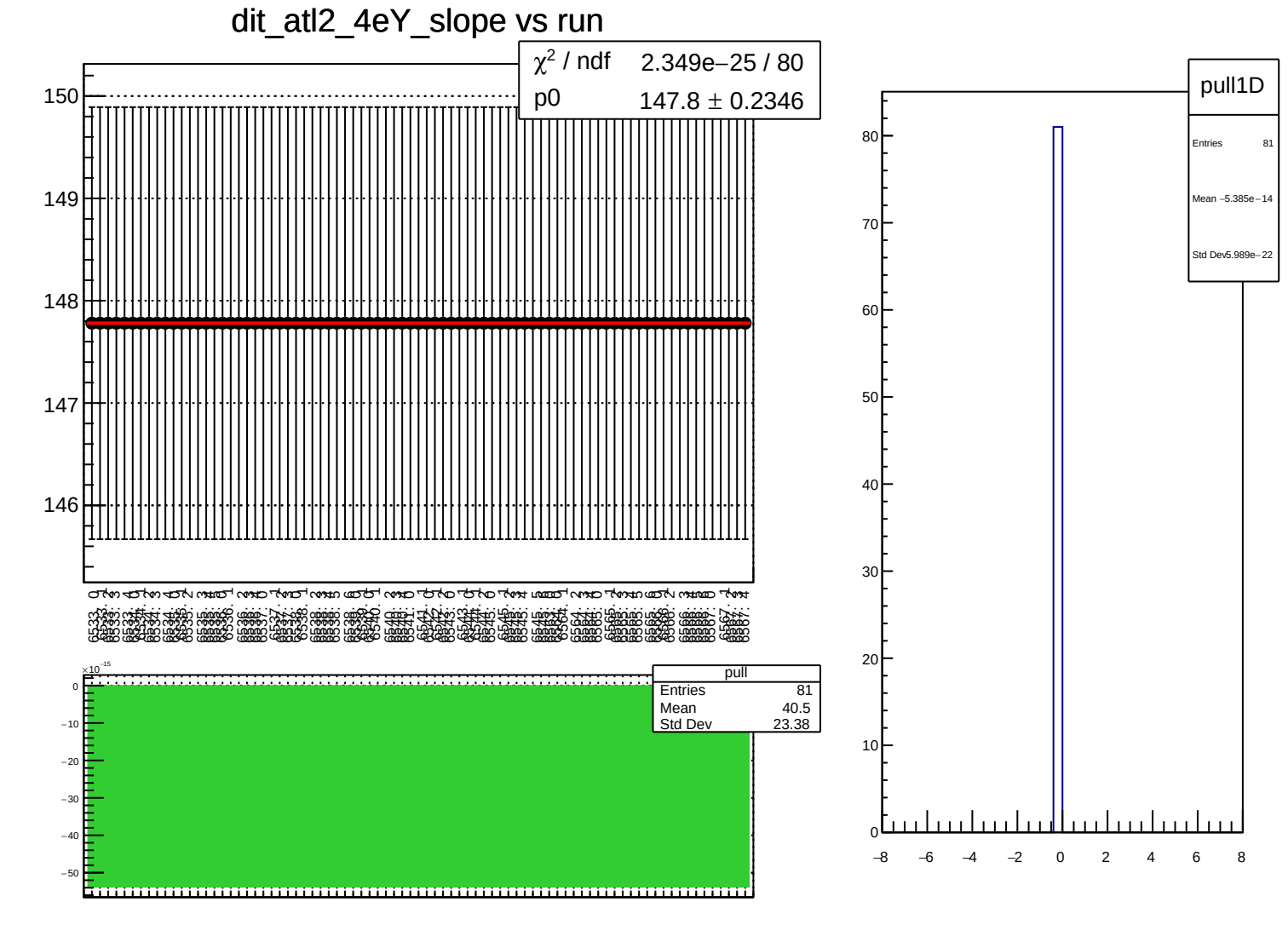

dit_atl2_4aX_slope vs run
χ² / ndf 3.037e−24 / 80
p0 −905.2 ± 1.044
−895
−900
−905
−910
−915
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.936e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

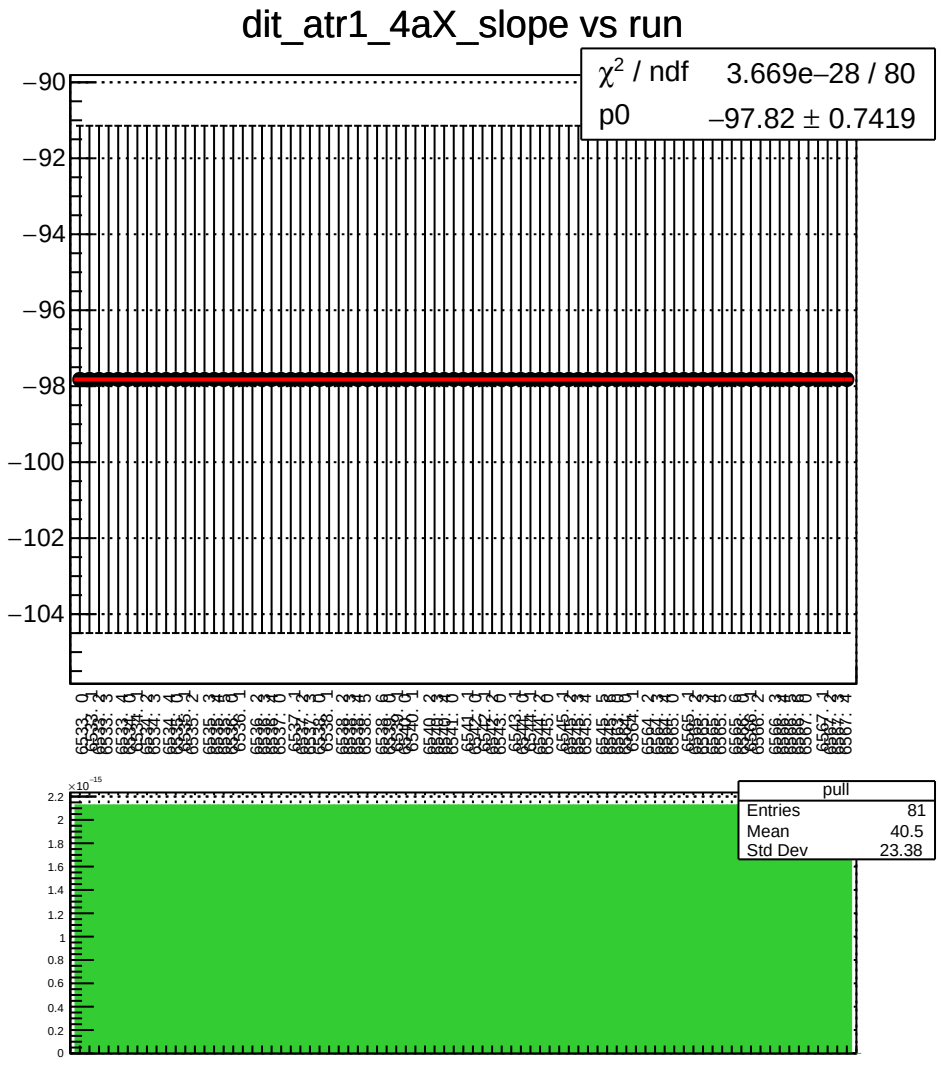

dit_atl2_4eX_slope vs run
χ² / ndf 2.345e−24 / 80
p0 924.9 ± 0.9651
935
930
925
920
915
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 81
Mean −1.701e−13
Std Dev8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

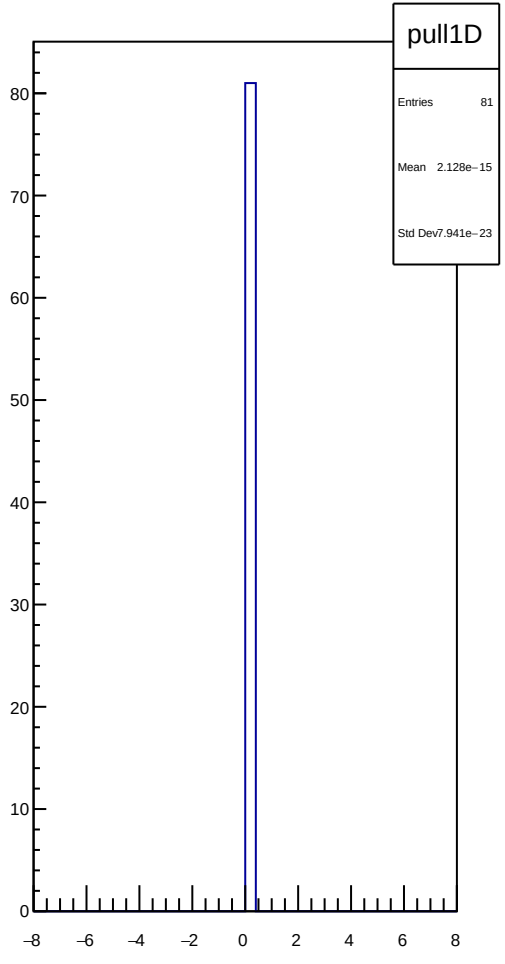

dit_atl2_11X12X_slope vs run
χ^2 / ndf 3.291e−25 / 80
p0 −311.1 ± 0.1982
−309
−309.5
−310
−310.5
−311
−311.5
−312
−312.5
−313
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 6.374e−14
Std Dev2.809e−21

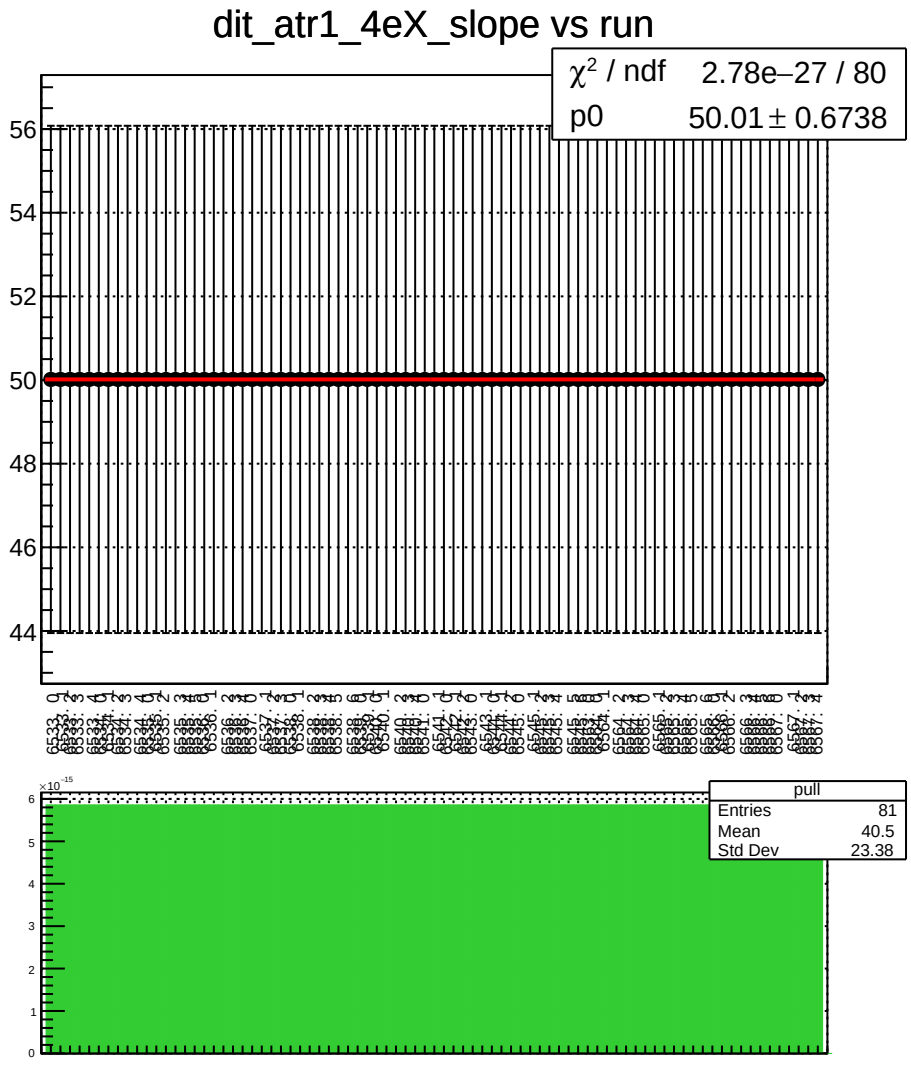

dit_atl2_4aY_slope vs run
χ² / ndf 6.59e−28 / 80
p0 8.3 ± 0.2076
pull
Entries 81
Mean 40.5
Std Dev 23.38

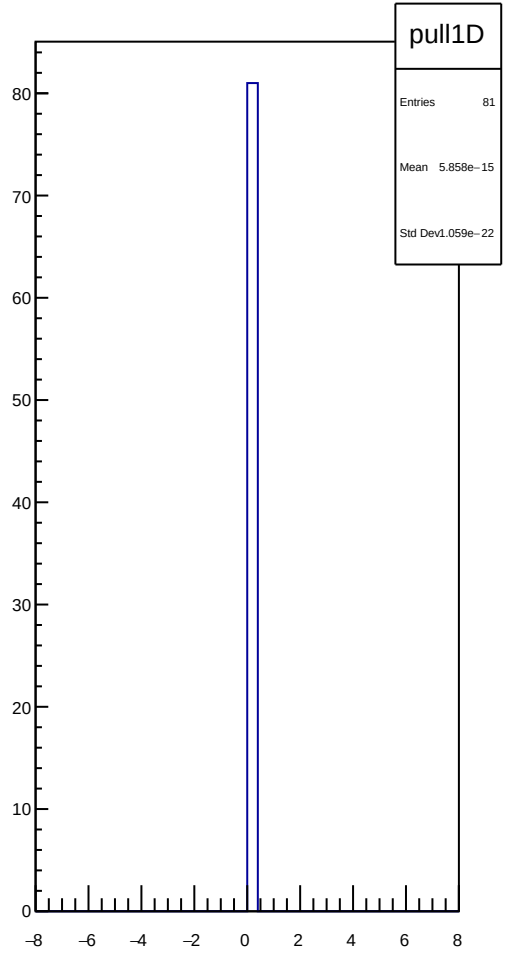

pull1D
Entries 81
Mean −2.852e−15
Std Dev1.059e−22

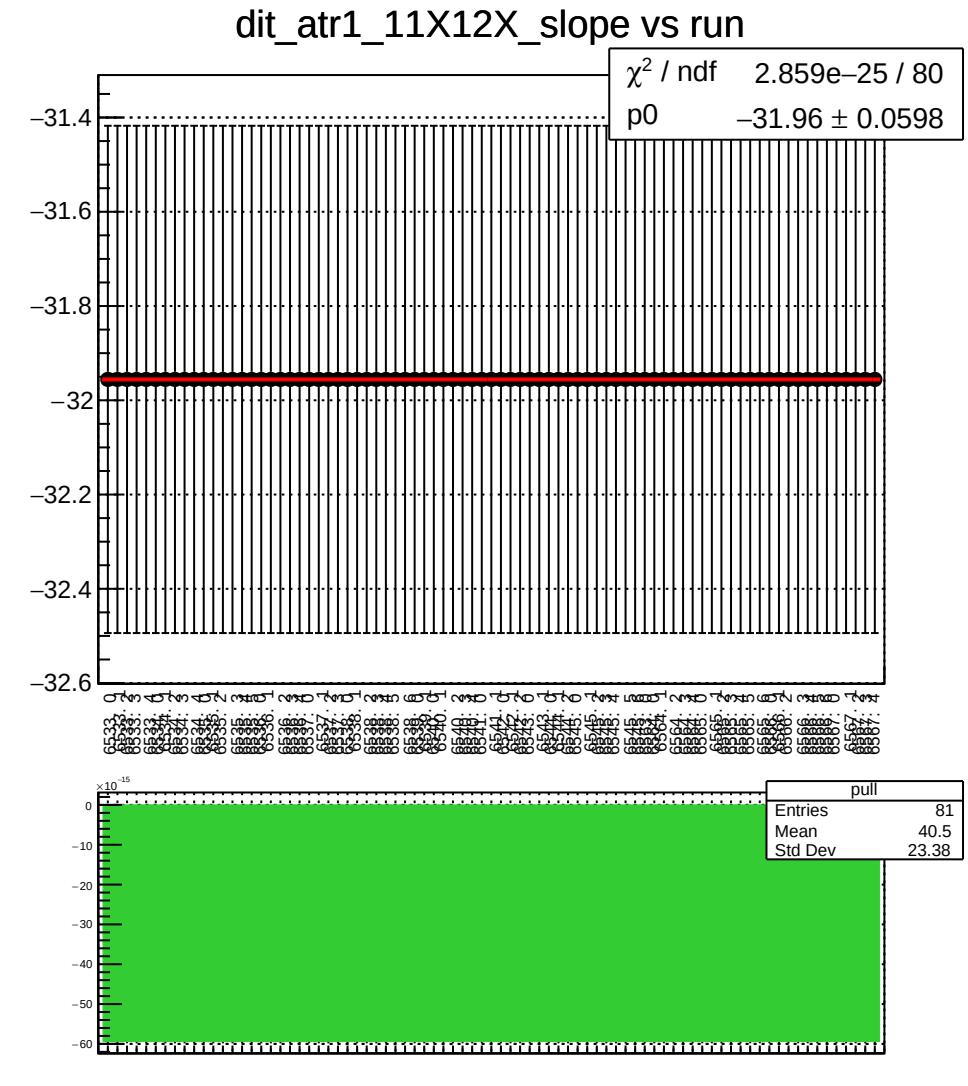

dit_atl2_4eY_slope vs run
χ² / ndf 2.349e−25 / 80
p0 147.8 ± 0.2346
150
149
148
147
146
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 81
Mean −5.385e−14
Std Dev5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

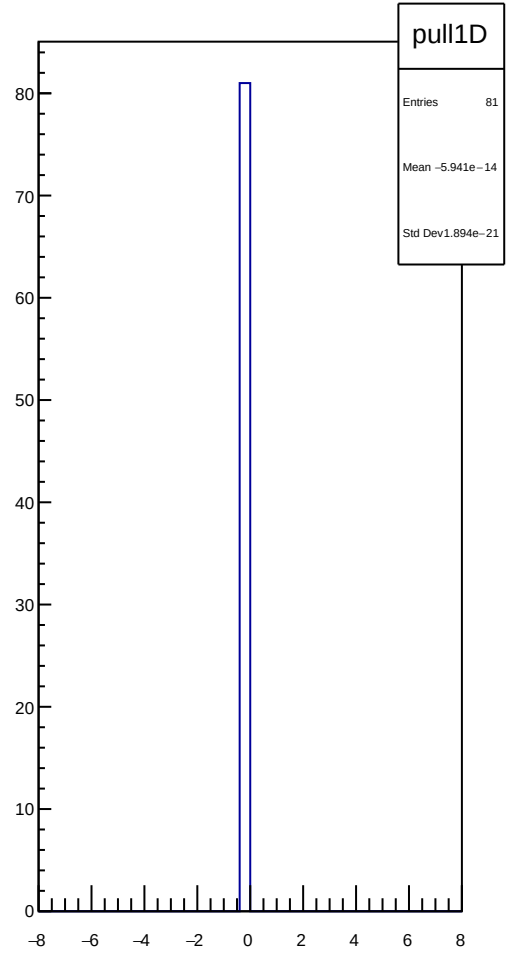

dit_atr1_4aX_slope vs run
χ² / ndf 3.669e−28 / 80
p0 −97.82 ± 0.7419
−90
−92
−94
−96
−98
−100
−102
−104
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

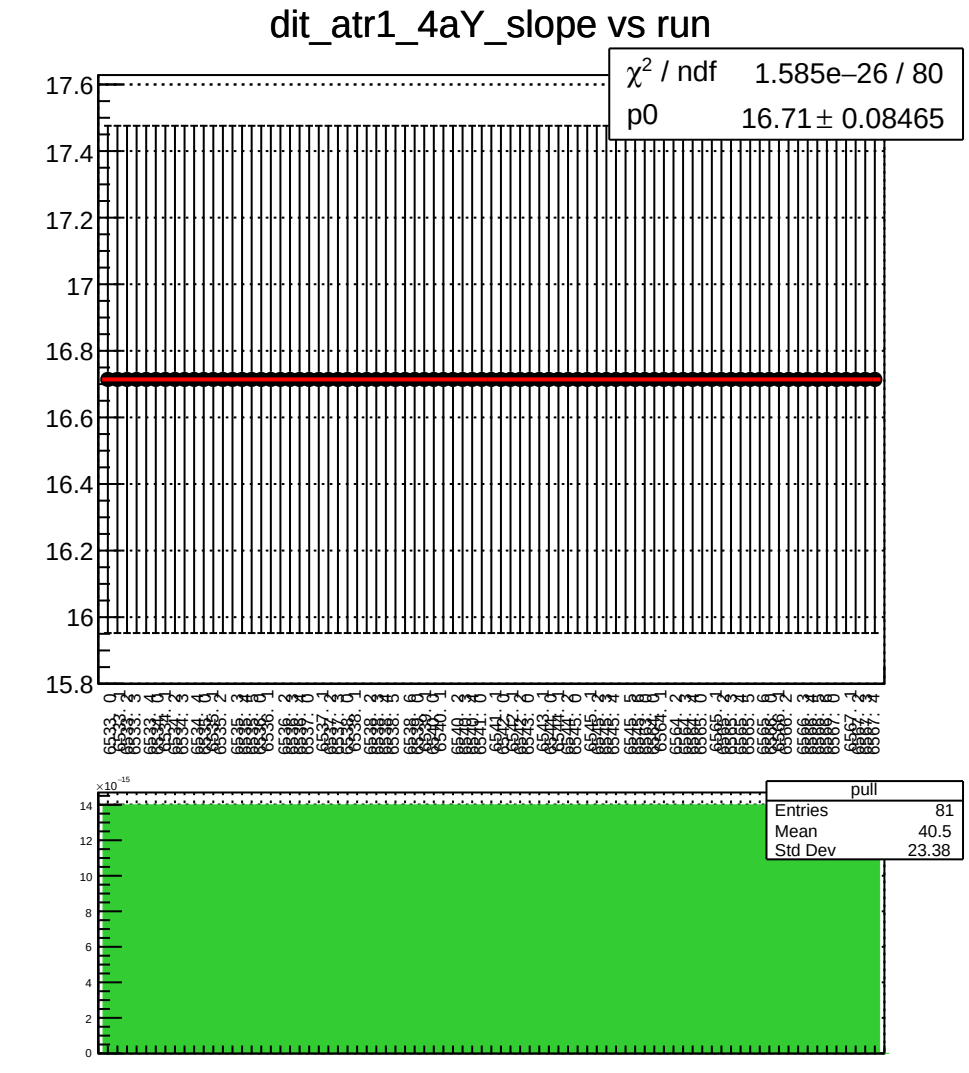

pull1D
Entries 81
Mean 2.128e−15
Std Dev7.941e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

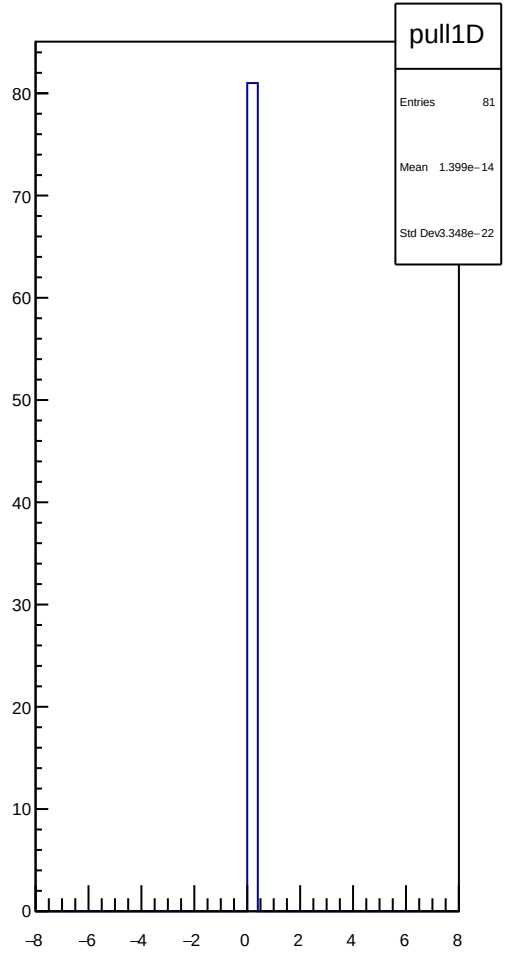

dit_atr1_4eX_slope vs run
χ^2 / ndf 2.78e−27 / 80
p0 50.01 ± 0.6738
pull
Entries 81
Mean 40.5
Std Dev 23.38

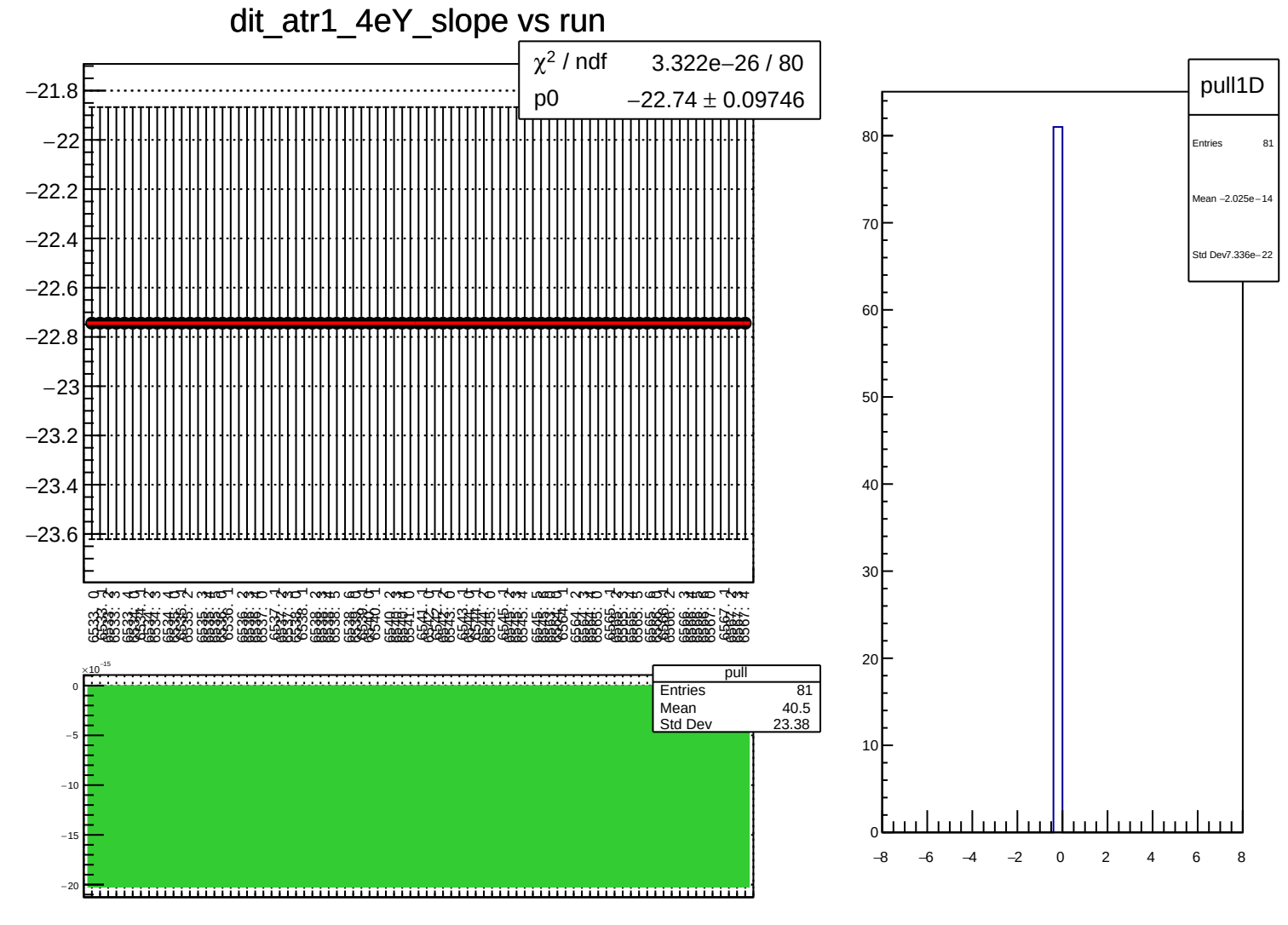

pull1D
Entries 81
Mean 5.858e−15
Std Dev1.059e−22

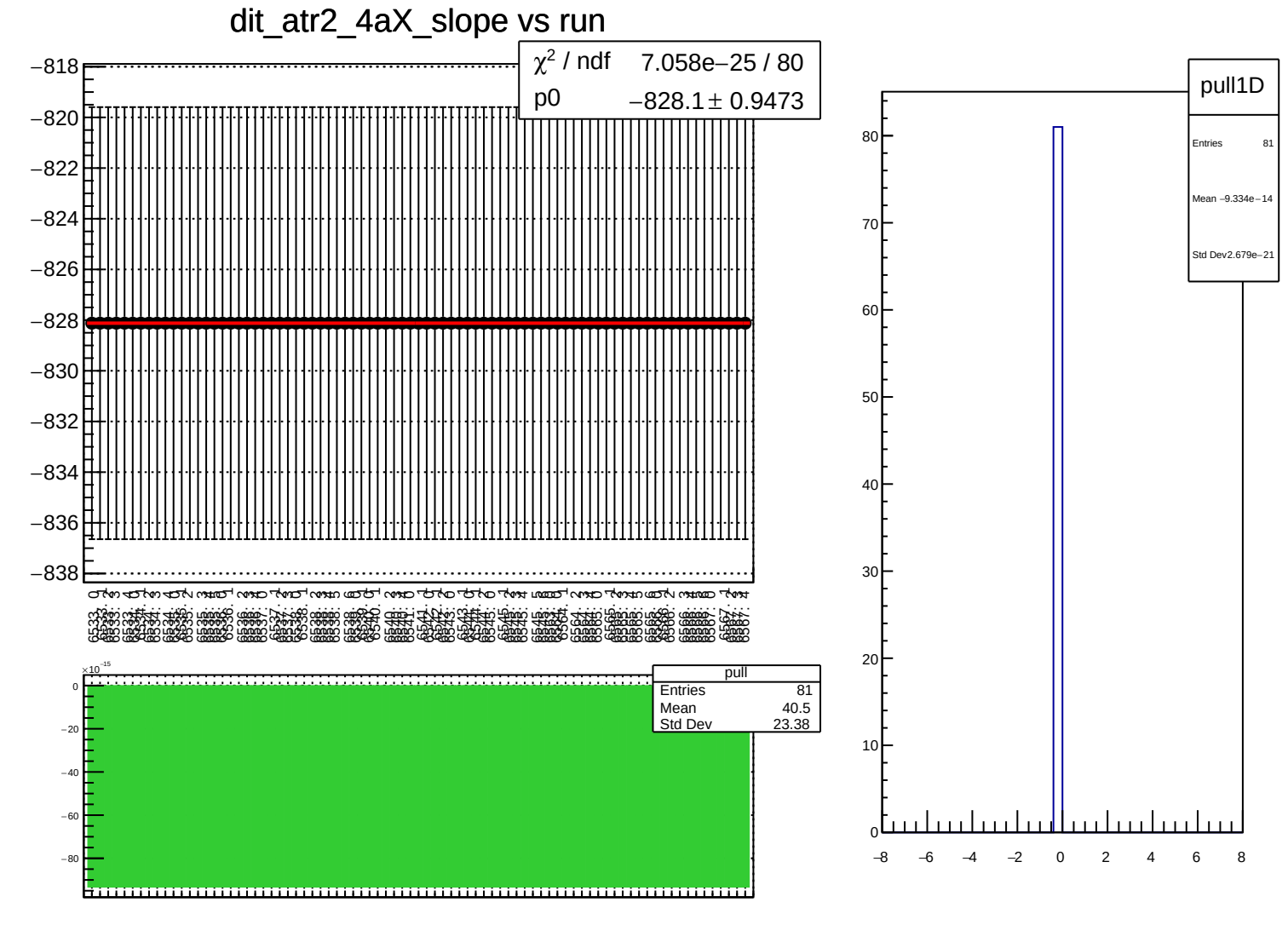

dit_atr1_11X12X_slope vs run
χ² / ndf 2.859e−25 / 80
p0 −31.96 ± 0.0598
−31.4
−31.6
−31.8
−32
−32.2
−32.4
−32.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

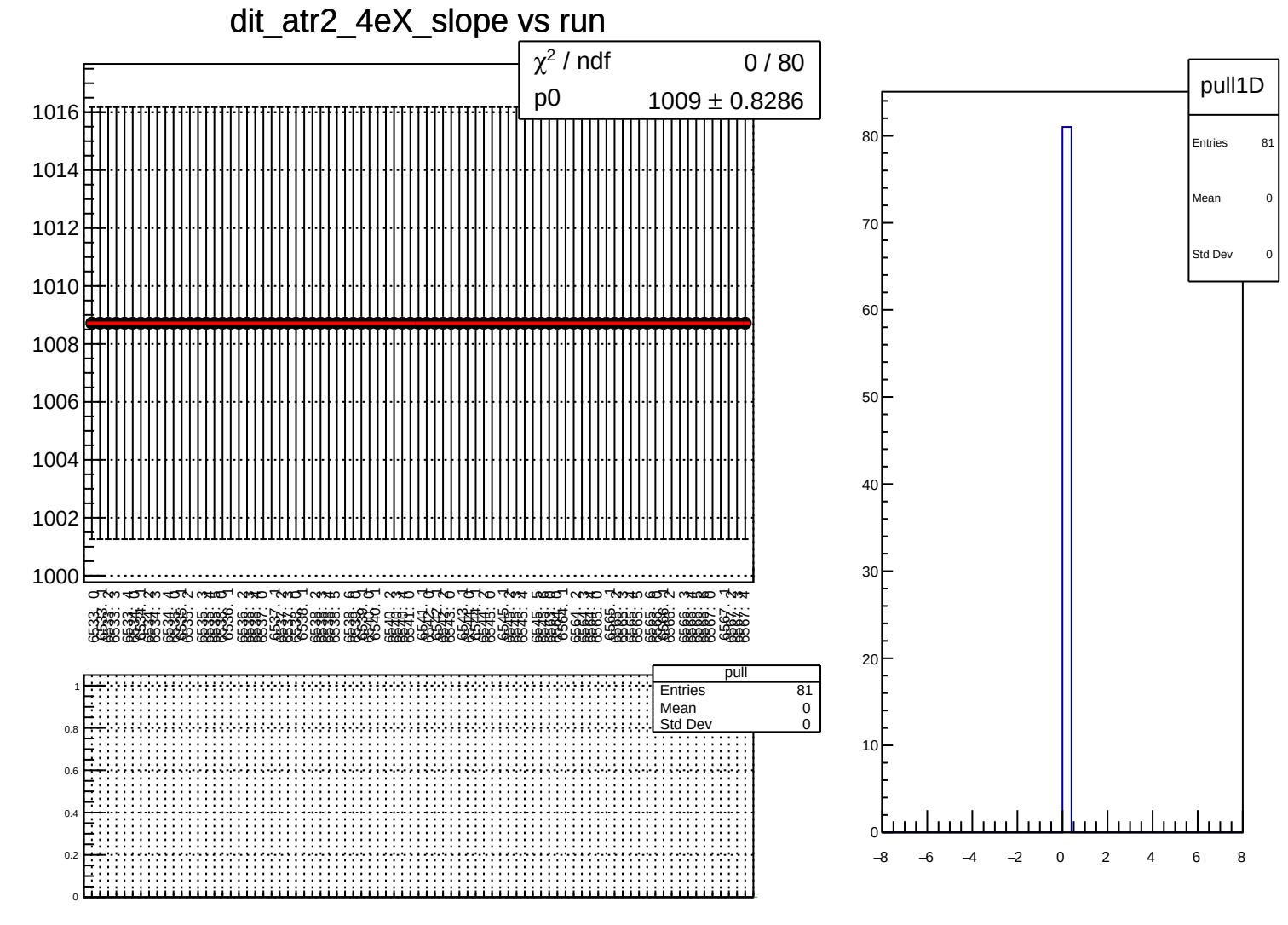

pull1D
Entries 81
Mean −5.941e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

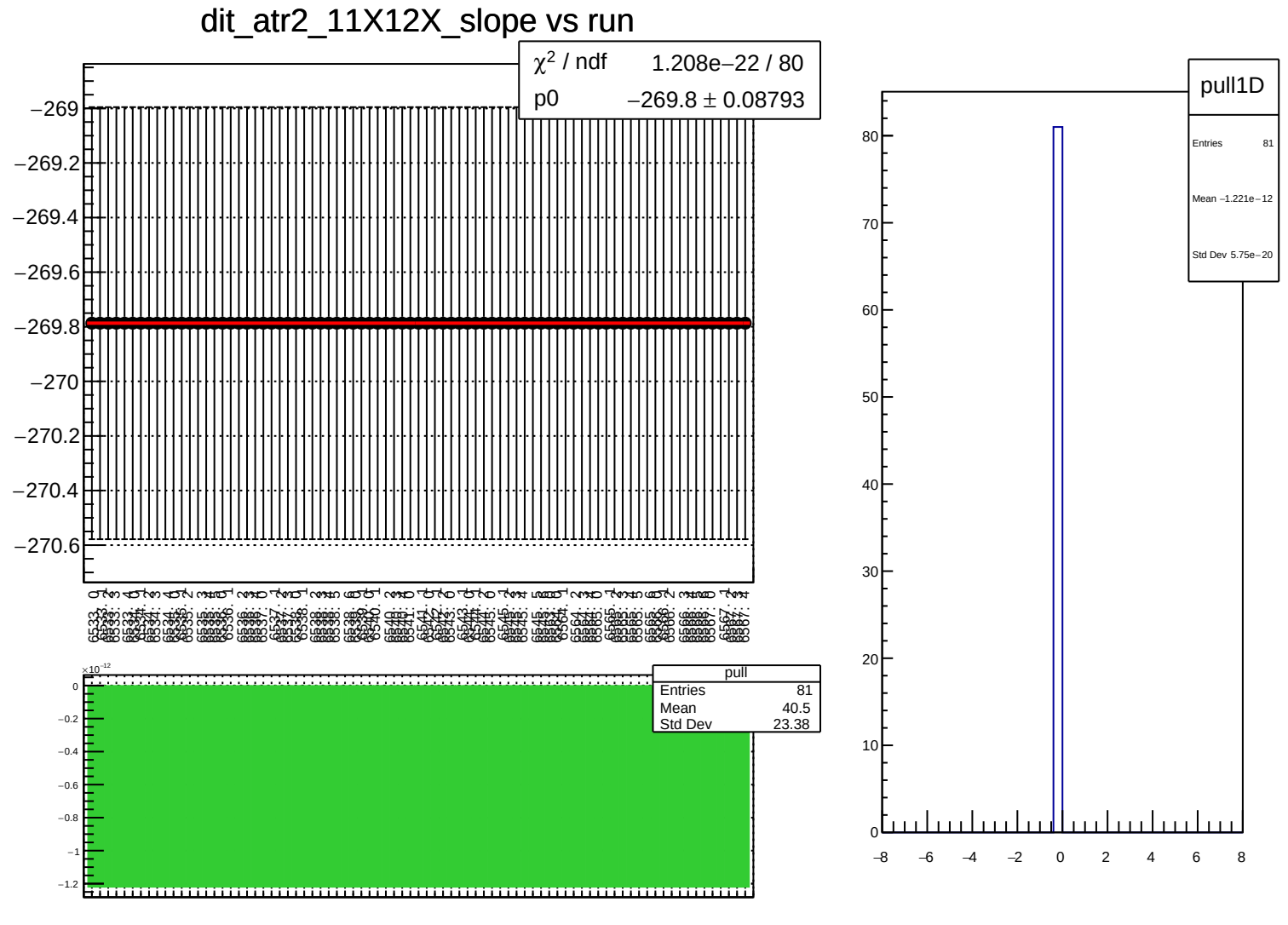

dit_atr1_4aY_slope vs run
χ² / ndf 1.585e−26 / 80
p0 16.71 ± 0.08465
17.6
17.4
17.2
17
16.8
16.6
16.4
16.2
16
15.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
14
12
10
8
6
4
2
0

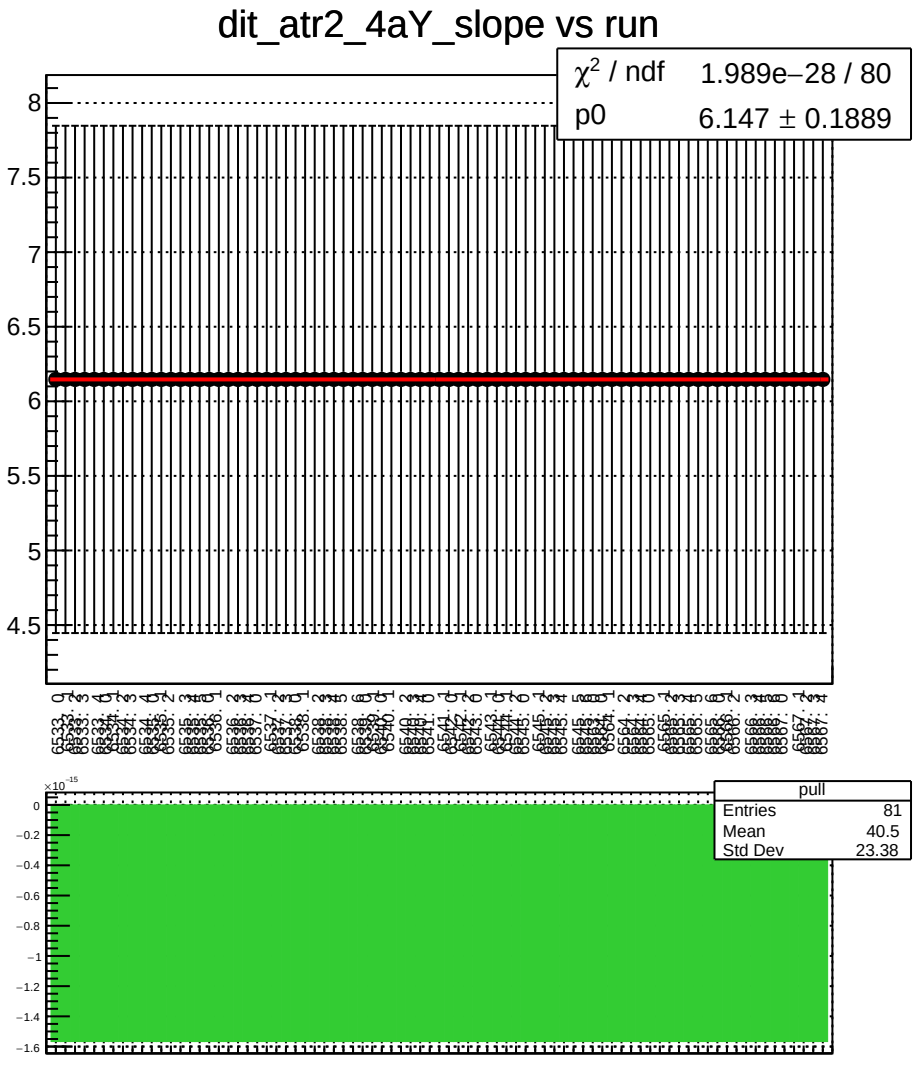

pull1D
Entries 81
Mean 1.399e−14
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

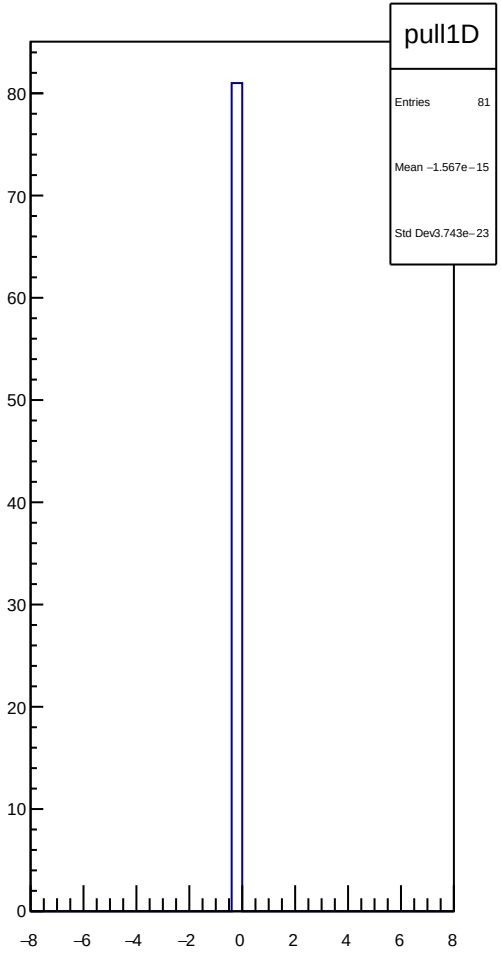

dit_atr1_4eY_slope vs run
χ² / ndf 3.322e−26 / 80
p0 −22.74 ± 0.09746
−21.8
−22
−22.2
−22.4
−22.6
−22.8
−23
−23.2
−23.4
−23.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 81
Mean −2.025e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

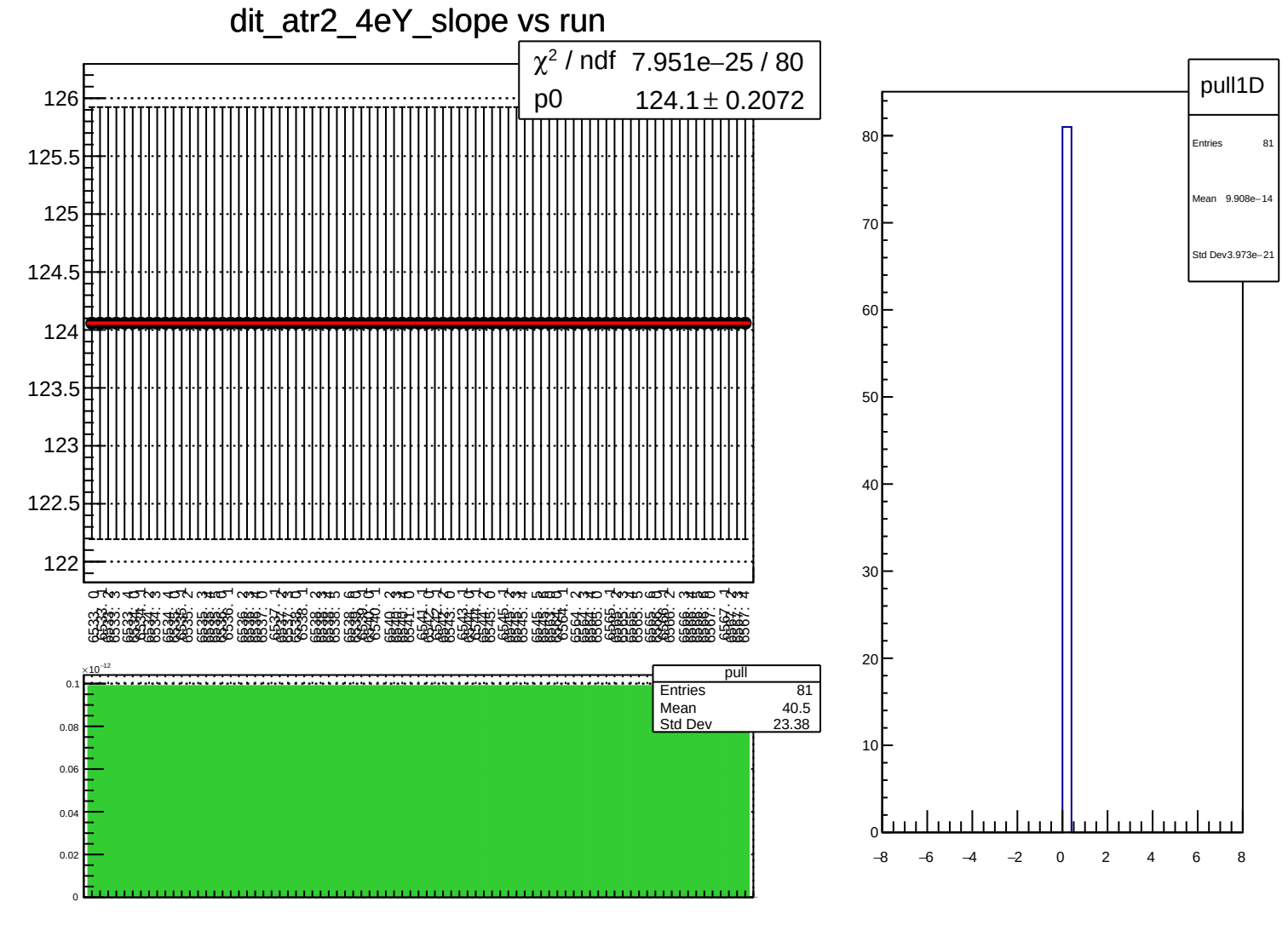

dit_atr2_4aX_slope vs run
χ² / ndf 7.058e−25 / 80
p0 −828.1 ± 0.9473
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −9.334e−14
Std Dev2.679e−21

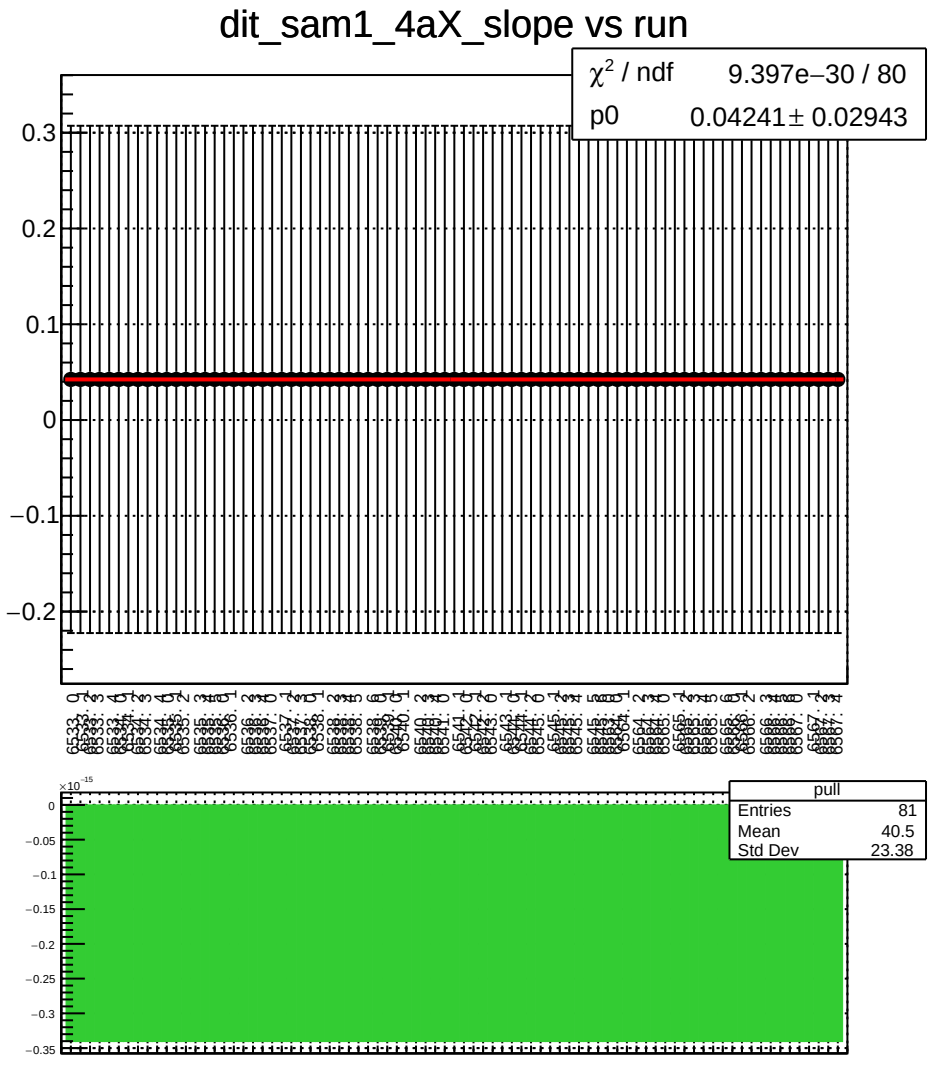

dit_atr2_4eX_slope vs run
χ^2 / ndf 0 / 80
p0 1009 ± 0.8286
pull
Entries 81
Mean 0
Std Dev 0
pull1D
Entries 81
Mean 0
Std Dev 0

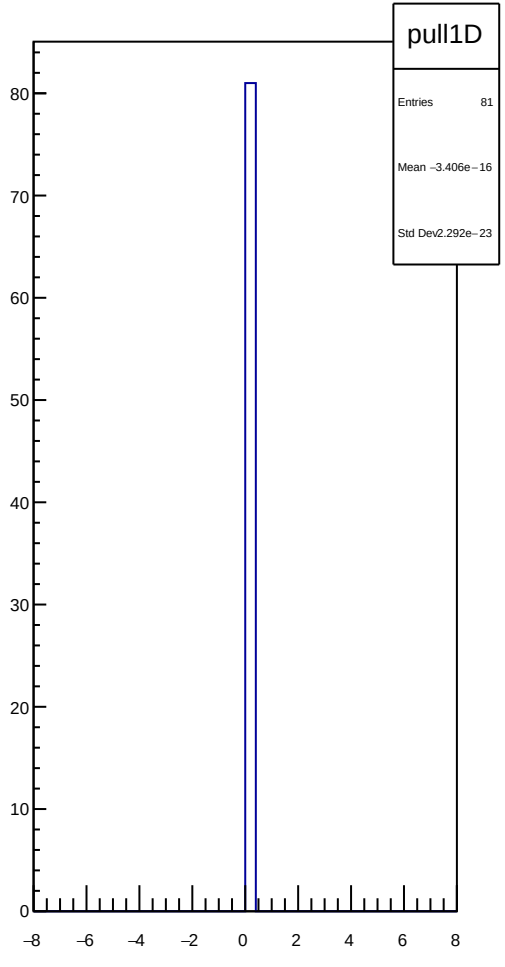

dit_atr2_11X12X_slope vs run
χ² / ndf 1.208e−22 / 80
p0 −269.8 ± 0.08793
−269
−269.2
−269.4
−269.6
−269.8
−270
−270.2
−270.4
−270.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 81
Mean −1.221e−12
Std Dev 5.75e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

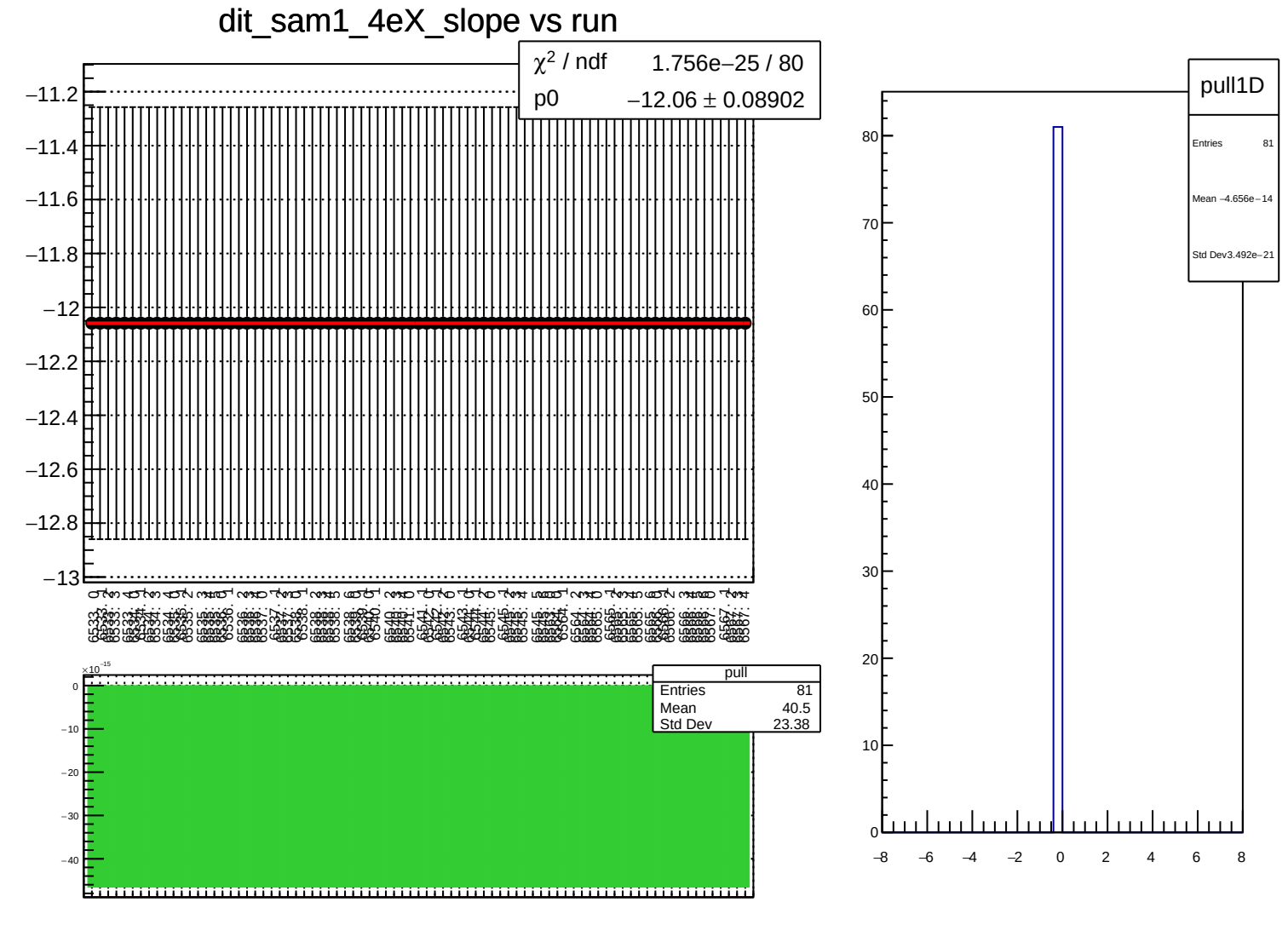

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.989e−28 / 80
p0 6.147 ± 0.1889
pull
Entries 81
Mean 40.5
Std Dev 23.38

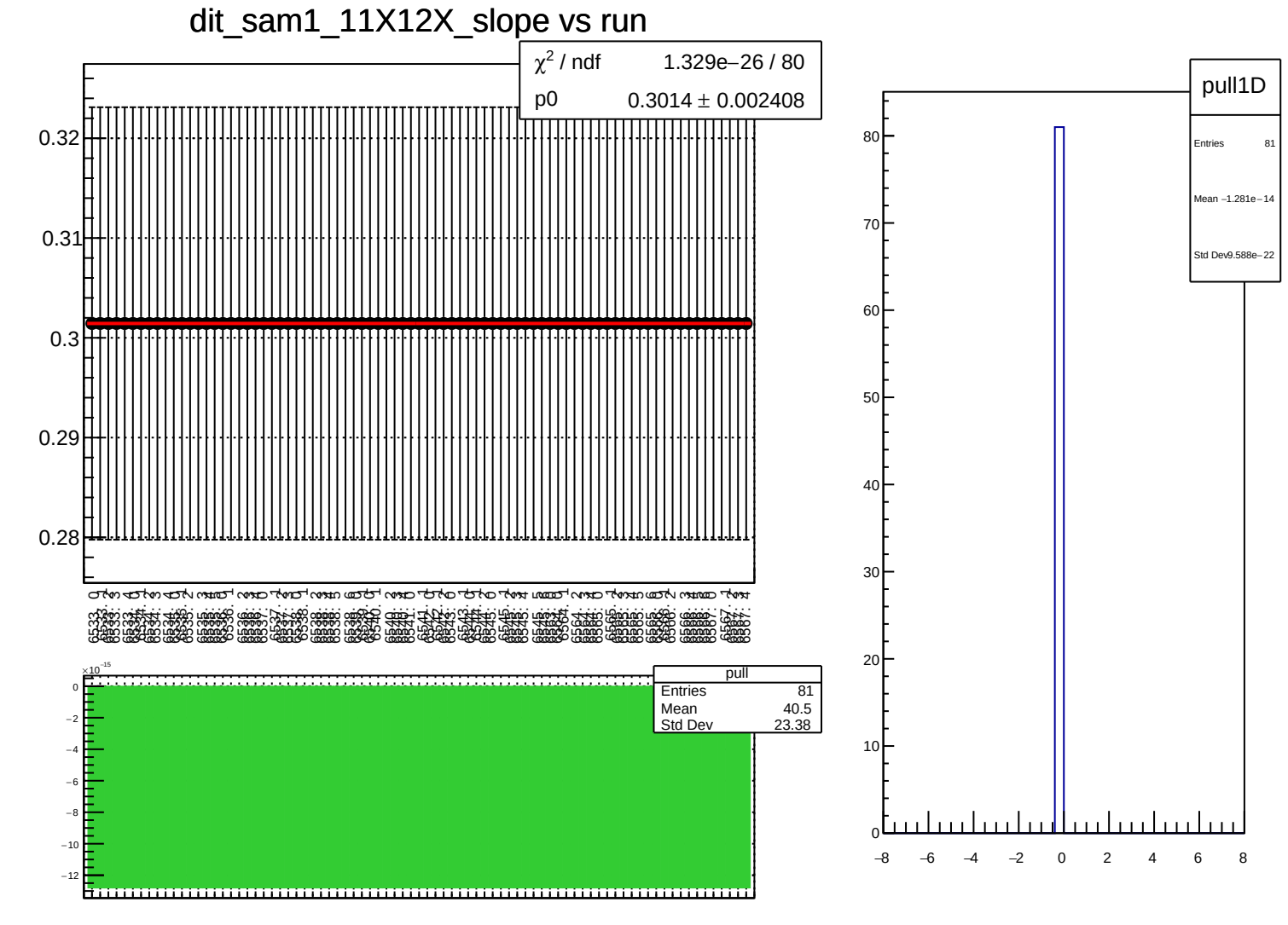

pull1D
Entries 81
Mean −1.567e−15
Std Dev3.743e−23

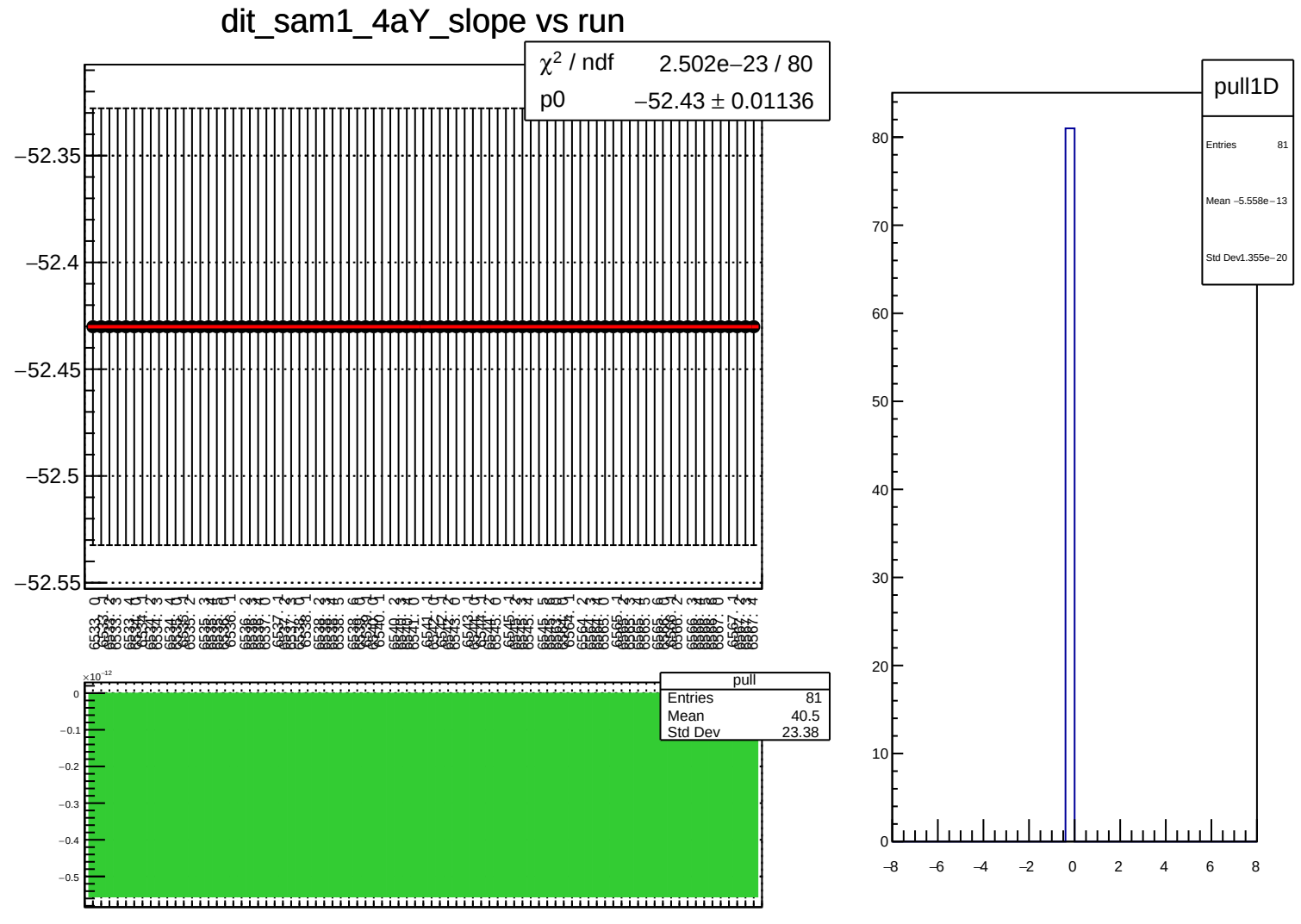

dit_atr2_4eY_slope vs run
χ^2 / ndf 7.951e−25 / 80
p0 124.1 ± 0.2072
126
125.5
125
124.5
124
123.5
123
122.5
122
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 9.908e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

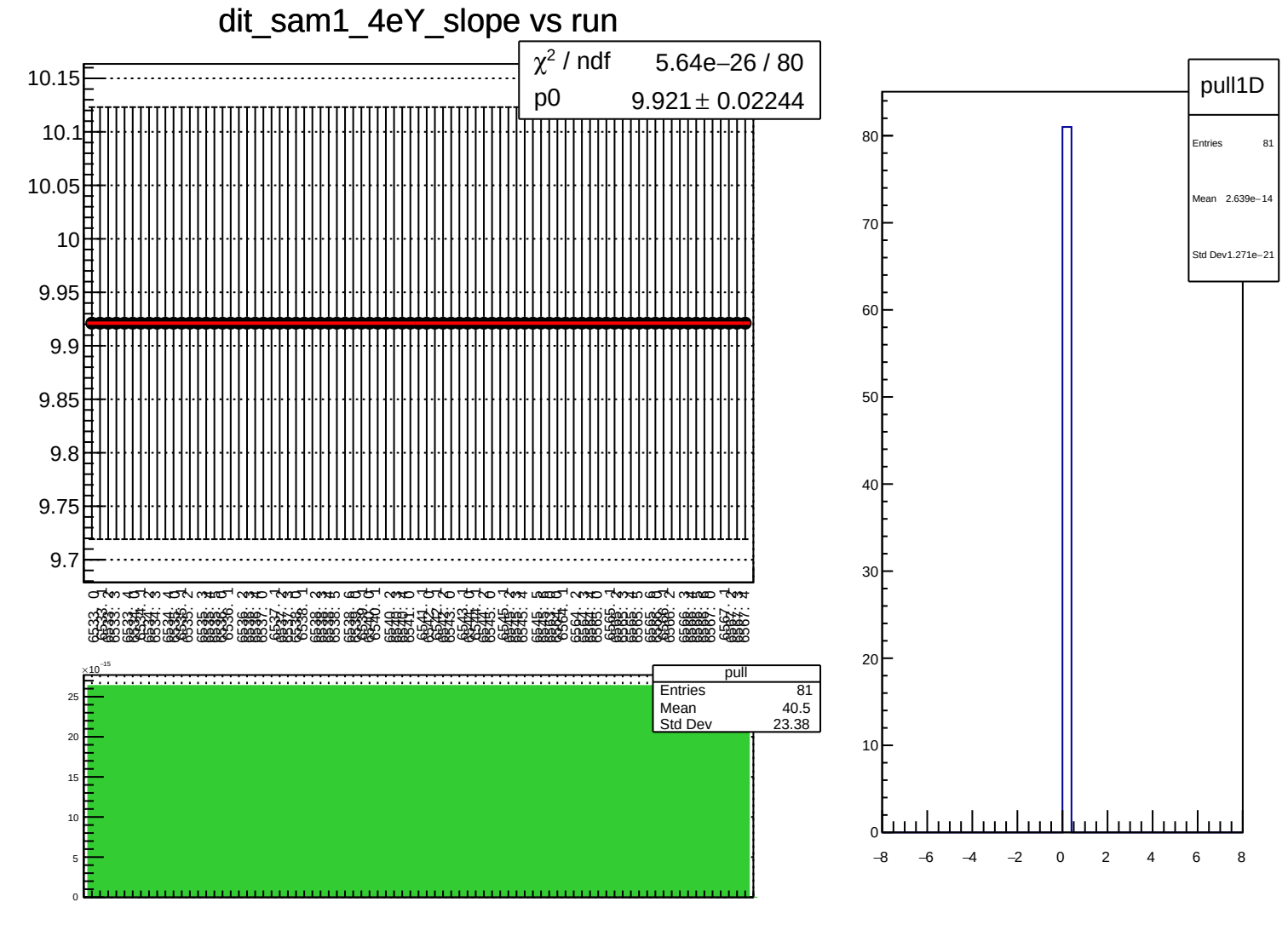

dit_sam1_4aX_slope vs run
χ^2 / ndf 9.397e−30 / 80
p0 0.04241 ± 0.02943
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

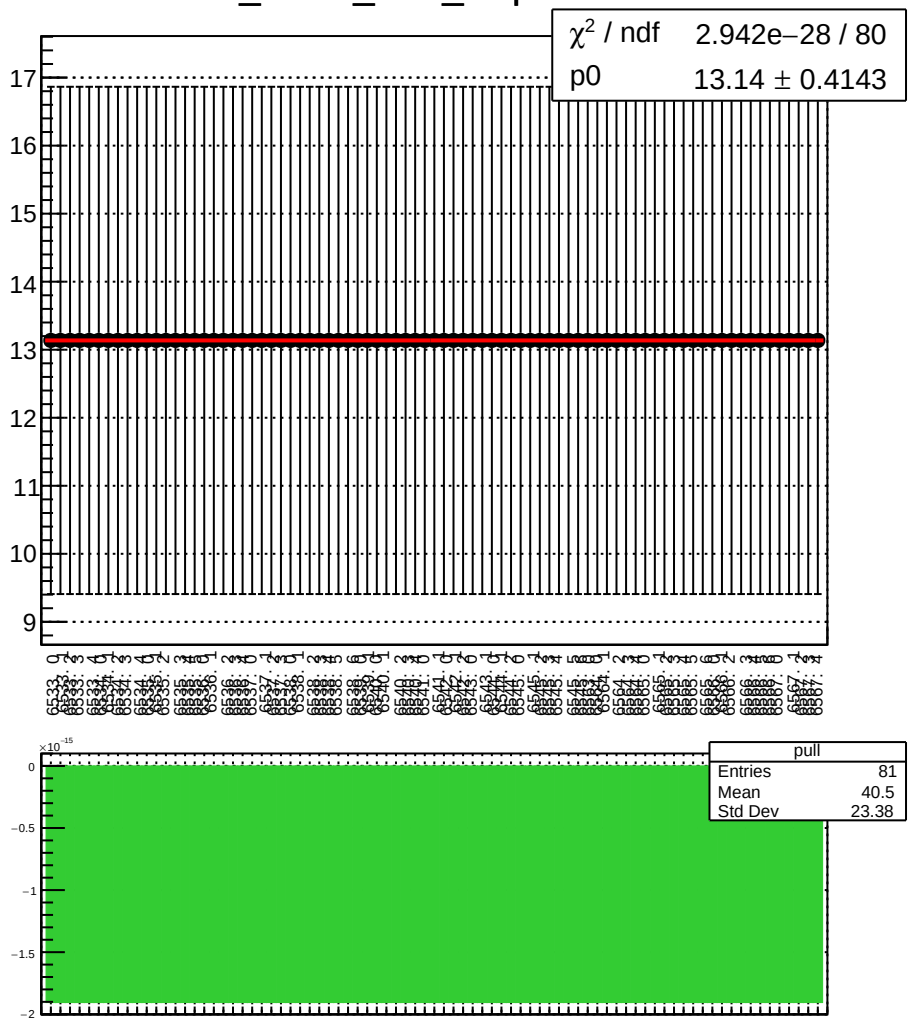

pull1D
Entries 81
Mean −3.406e−16
Std Dev 2.292e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

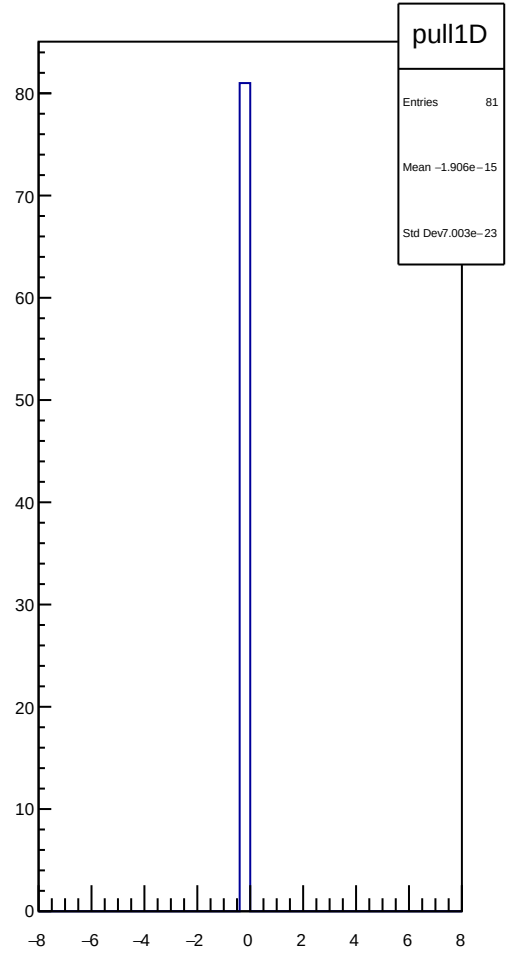

dit_sam1_4eX_slope vs run
χ² / ndf 1.756e−25 / 80
p0 −12.06 ± 0.08902
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −4.656e−14
Std Dev3.492e−21

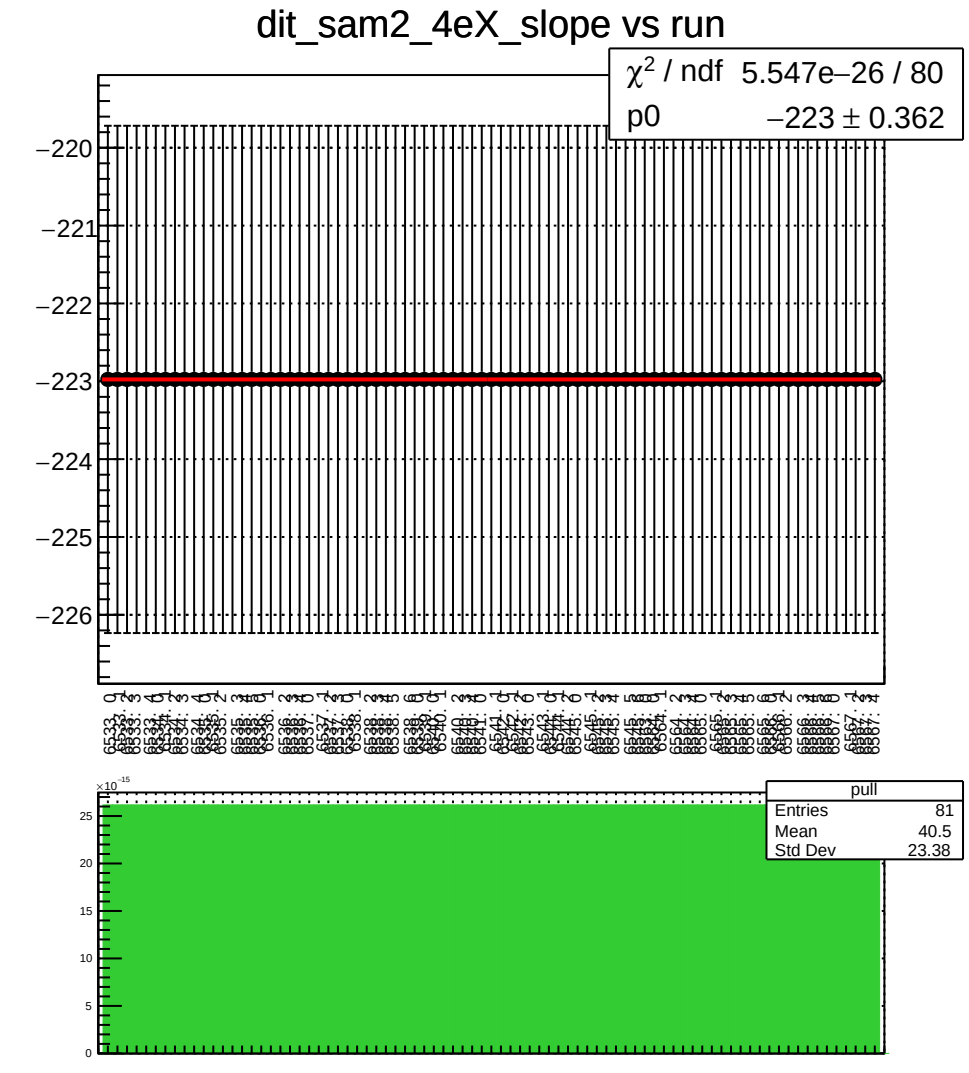

dit_sam1_11X12X_slope vs run
χ² / ndf 1.329e−26 / 80
p0 0.3014 ± 0.002408
0.32
0.31
0.3
0.29
0.28
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 81
Mean −1.281e−14
Std Dev 9.588e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

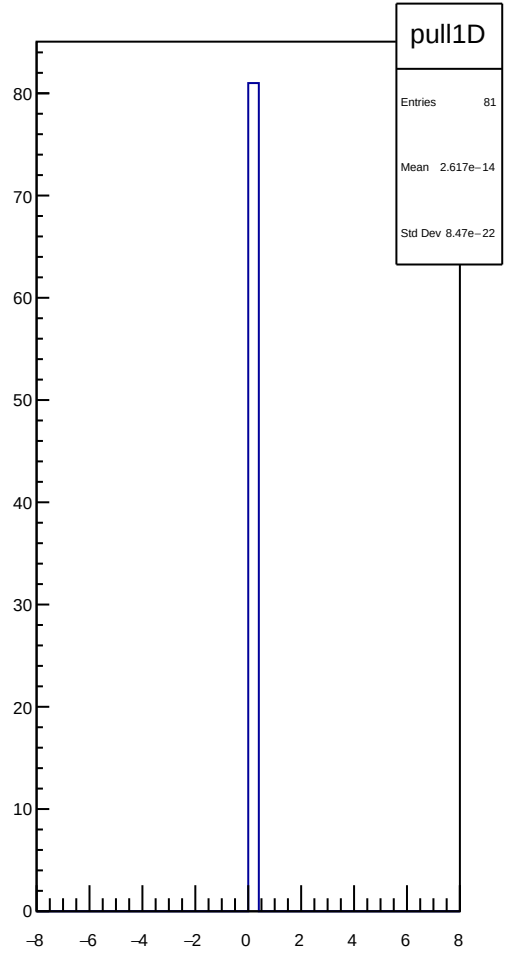

dit_sam1_4aY_slope vs run
χ² / ndf 2.502e−23 / 80
p0 −52.43 ± 0.01136
−52.35
−52.4
−52.45
−52.5
−52.55
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 81
Mean −5.558e−13
Std Dev1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

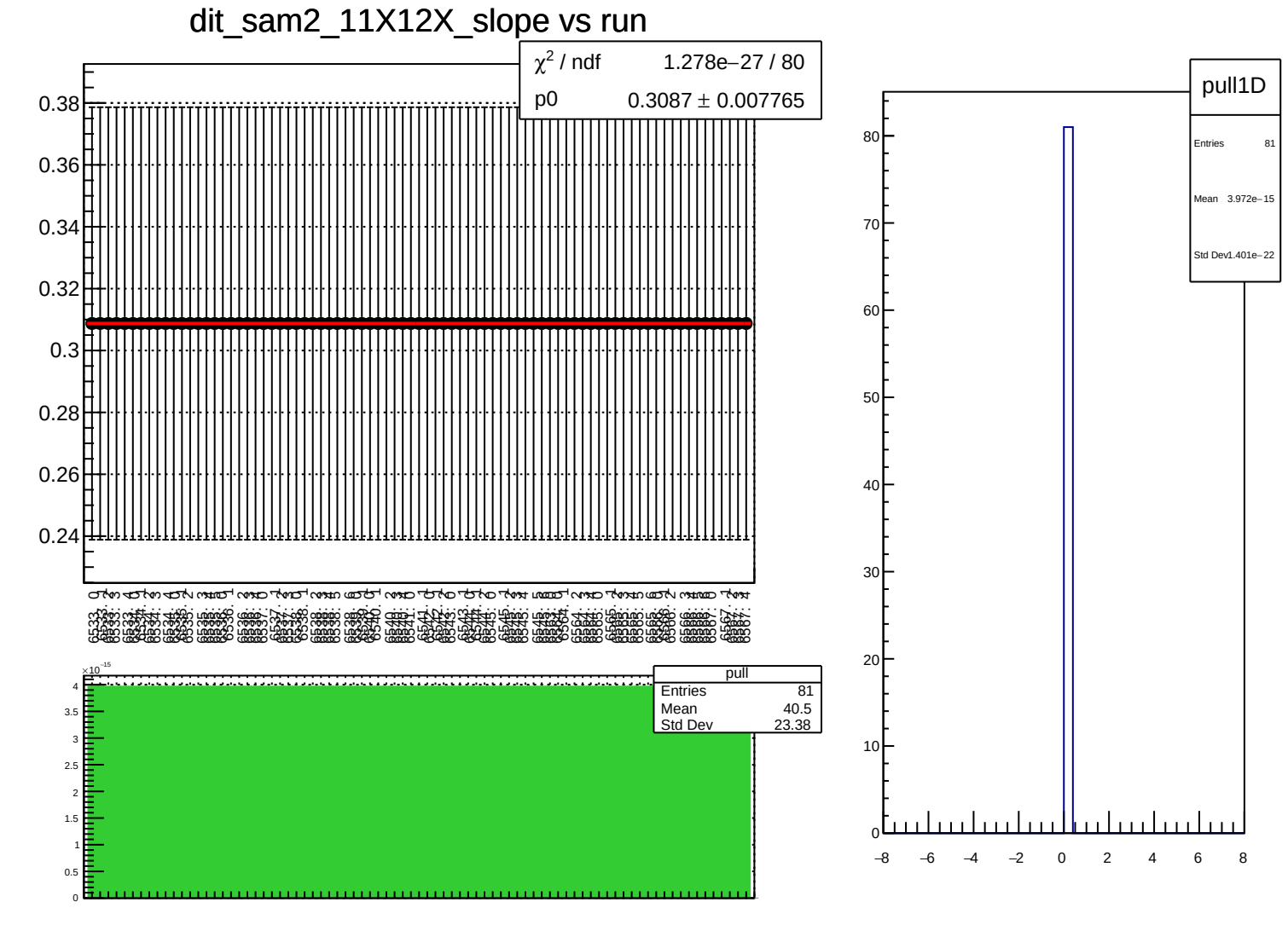

dit_sam1_4eY_slope vs run
χ² / ndf 5.64e−26 / 80
p0 9.921 ± 0.02244
10.15
10.1
10.05
10
9.95
9.9
9.85
9.8
9.75
9.7
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 81
Mean 2.639e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

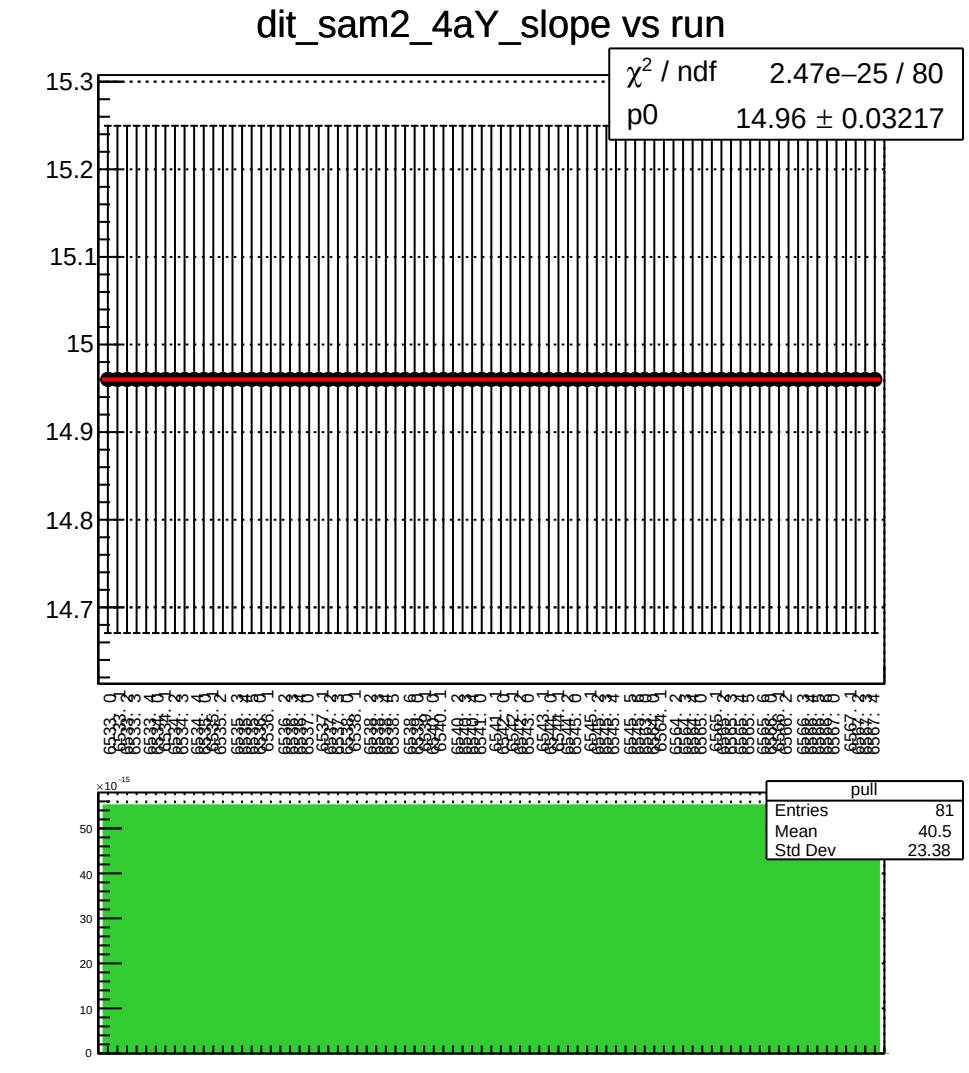

dit_sam2_4aX_slope vs run
χ² / ndf 2.942e−28 / 80
p0 13.14 ± 0.4143
pull
Entries 81
Mean 40.5
Std Dev 23.38

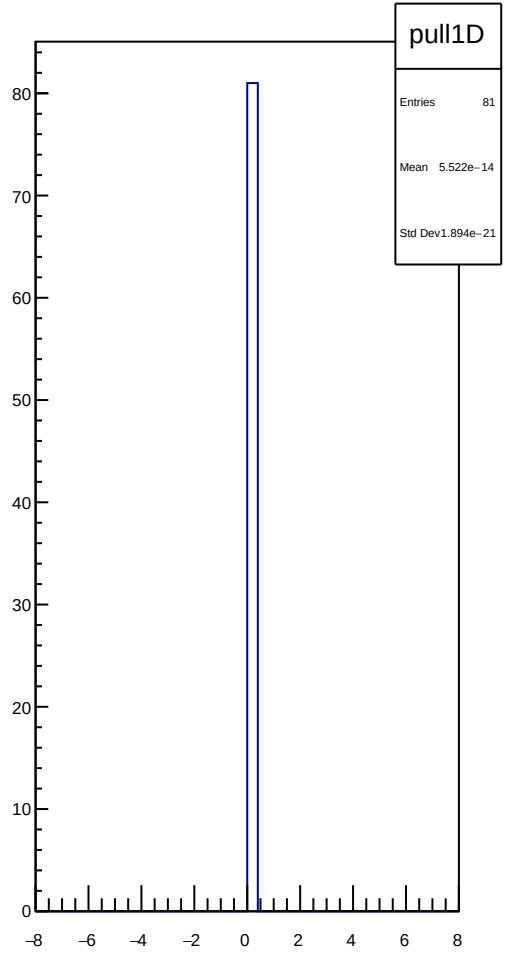

pull1D
Entries 81
Mean −1.906e−15
Std Dev7.003e−23

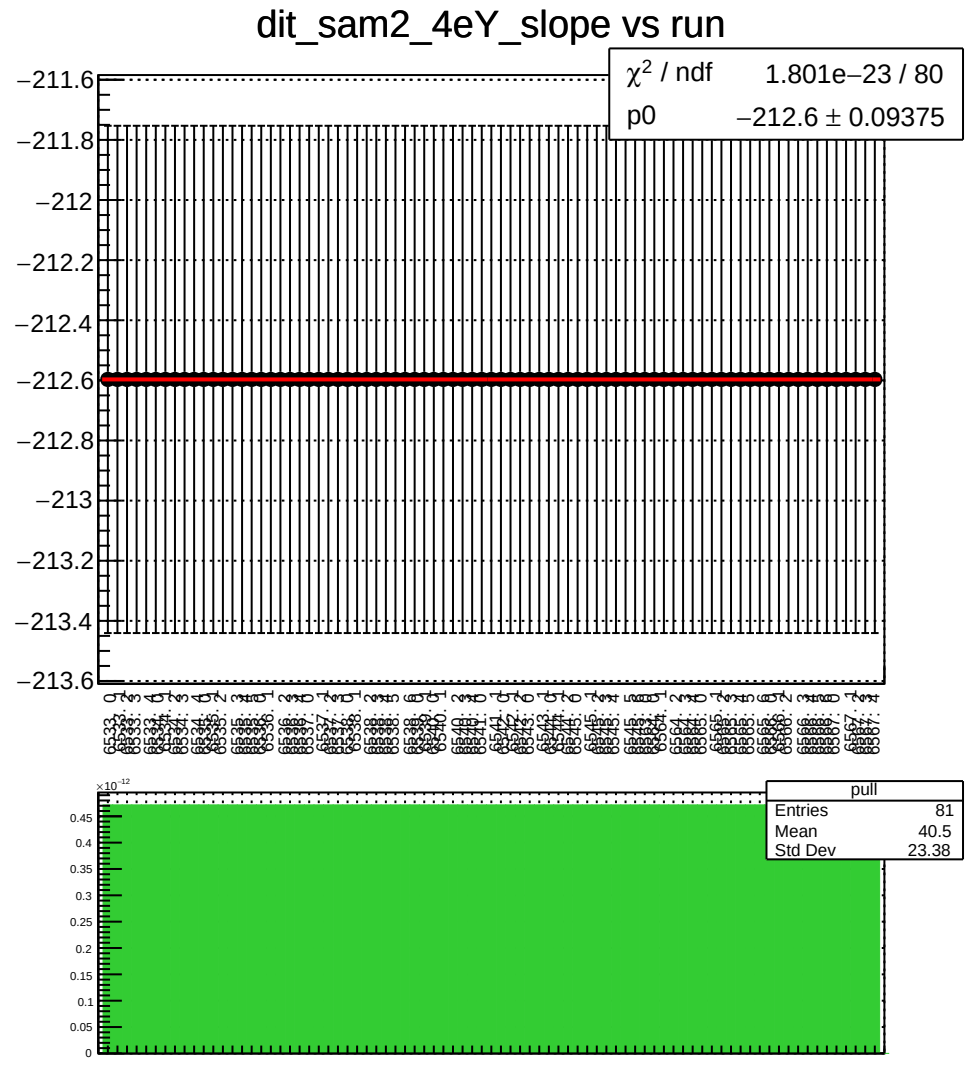

dit_sam2_4eX_slope vs run
χ² / ndf 5.547e−26 / 80
p0 −223 ± 0.362
−220
−221
−222
−223
−224
−225
−226
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 81
Mean 40.5
Std Dev 23.38

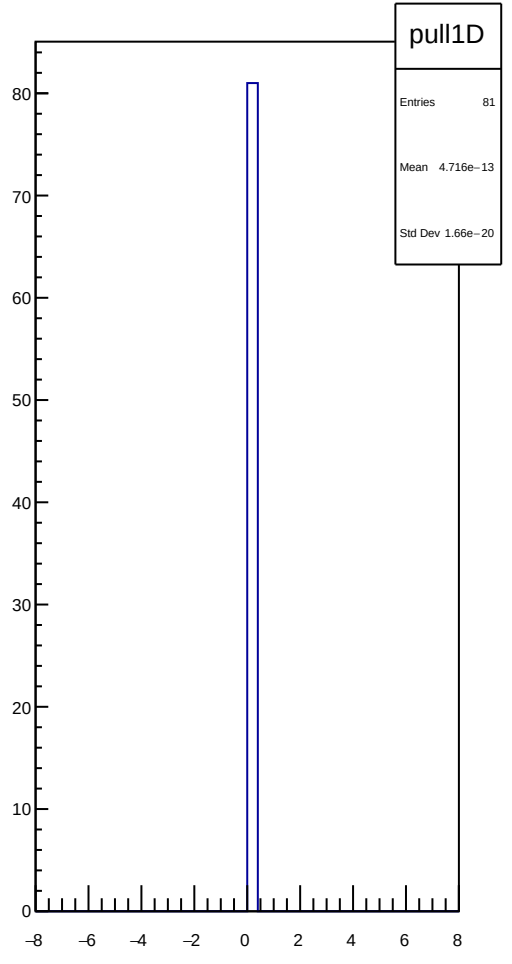

pull1D
Entries 81
Mean 2.617e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

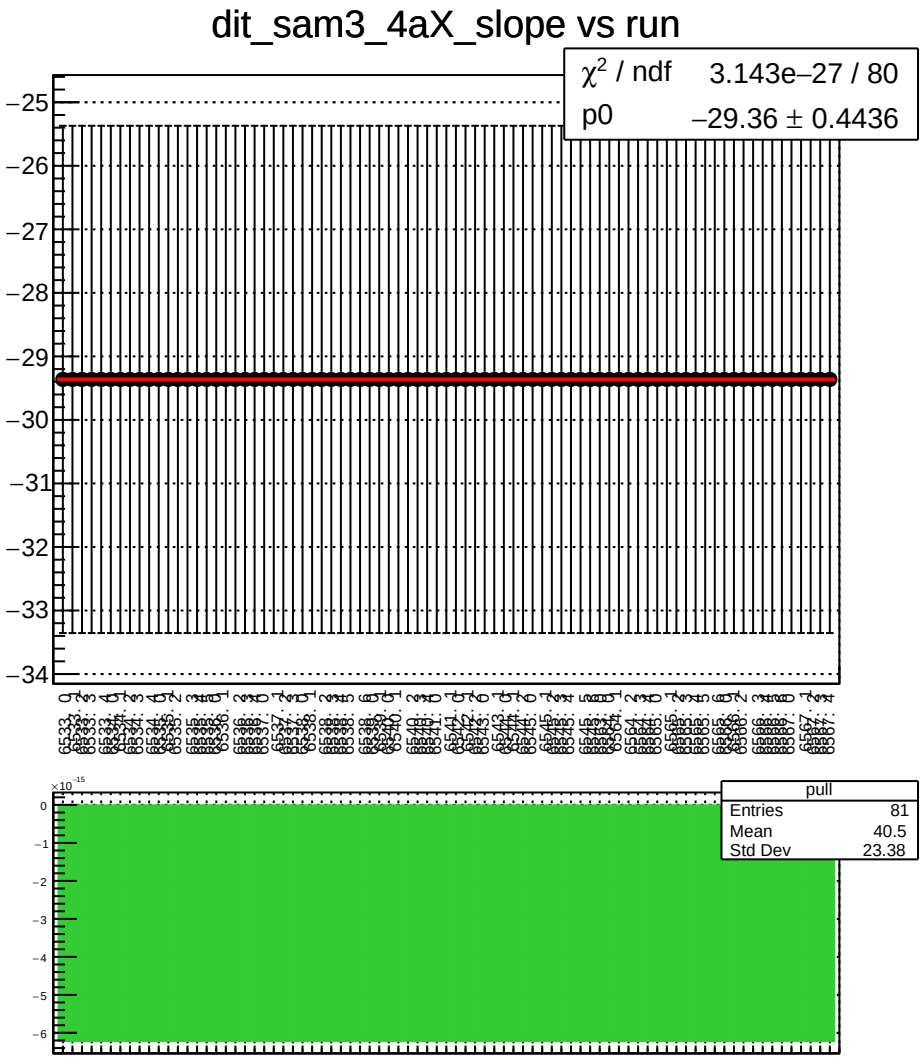

dit_sam2_11X12X_slope vs run
χ² / ndf 1.278e−27 / 80
p0 0.3087 ± 0.007765
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 81
Mean 3.972e−15
Std Dev1.401e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

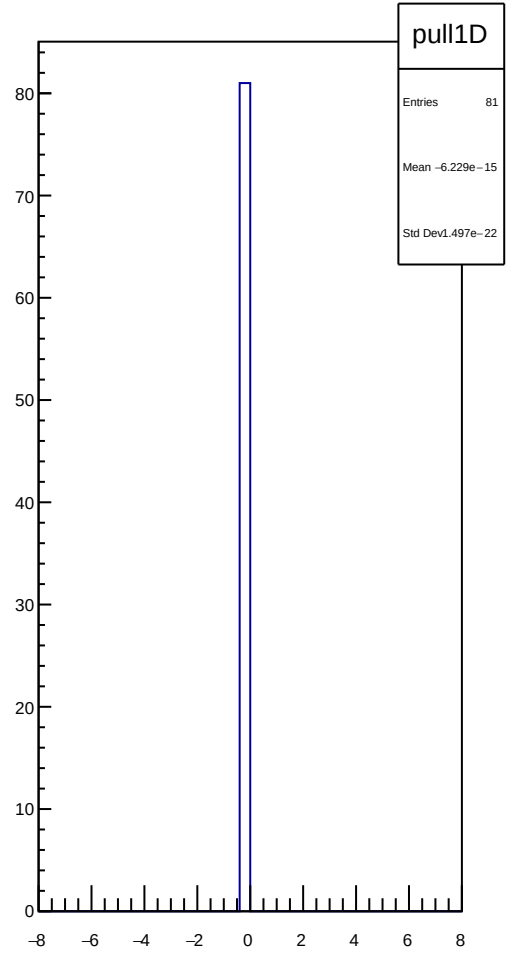

dit_sam2_4aY_slope vs run
χ² / ndf 2.47e−25 / 80
p0 14.96 ± 0.03217
15.3
15.2
15.1
15
14.9
14.8
14.7
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
50
40
30
20
10
0

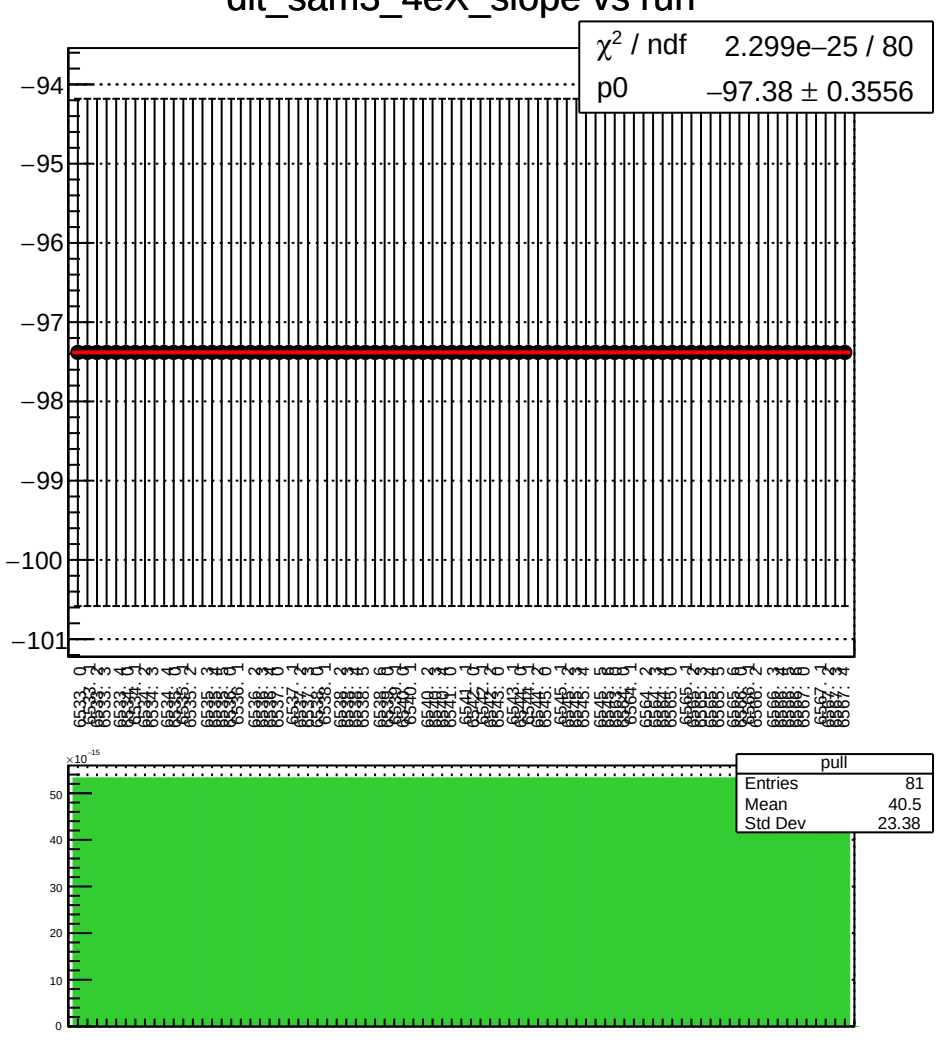

pull1D
Entries 81
Mean 5.522e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

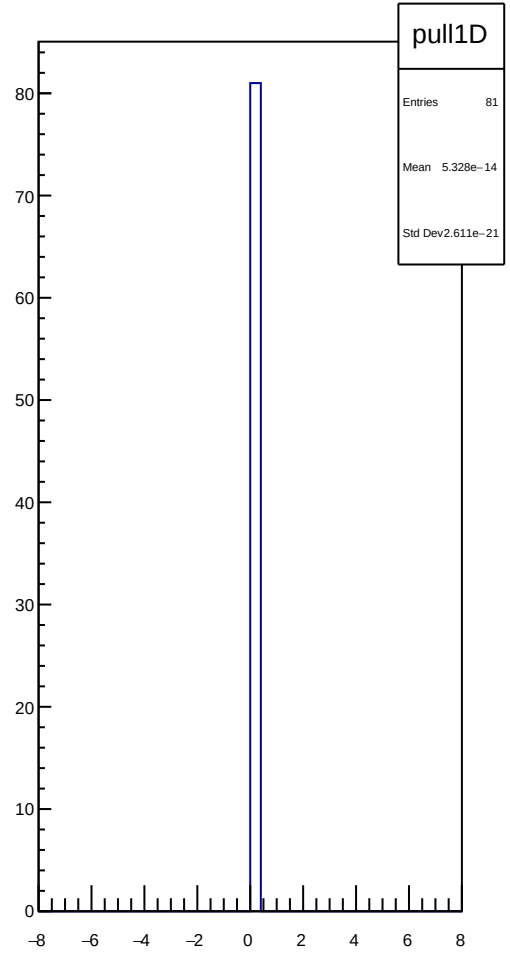

dit_sam2_4eY_slope vs run
χ² / ndf 1.801e−23 / 80
p0 −212.6 ± 0.09375
−211.6
−211.8
−212
−212.2
−212.4
−212.6
−212.8
−213
−213.2
−213.4
−213.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

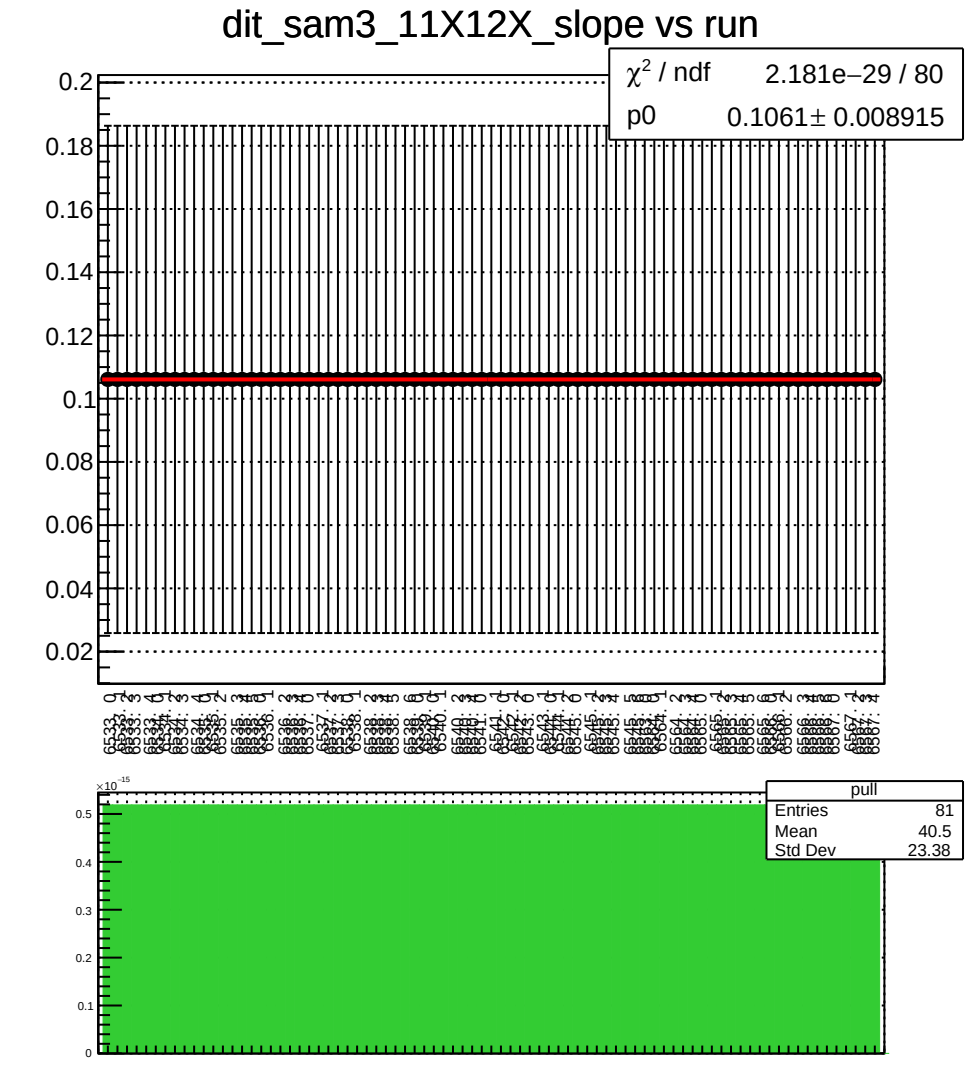

pull1D
Entries 81
Mean 4.716e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

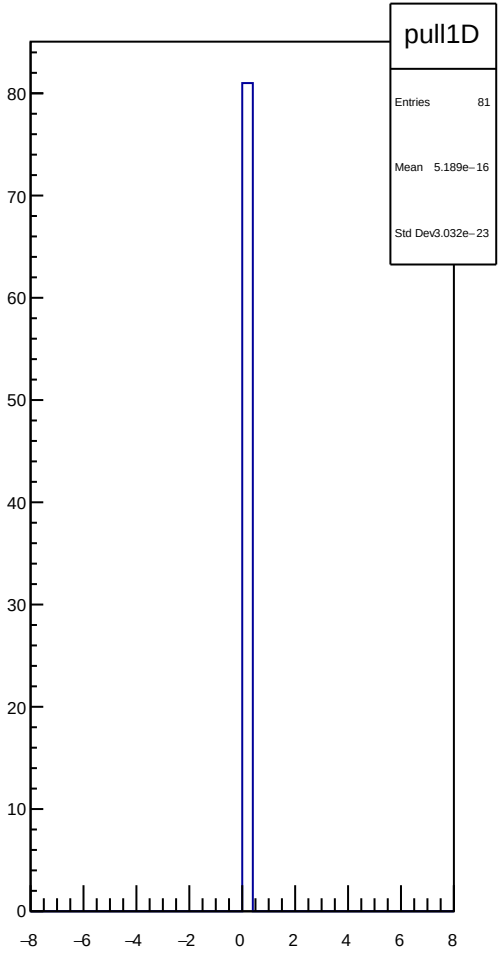

dit_sam3_4aX_slope vs run
χ² / ndf 3.143e−27 / 80
p0 −29.36 ± 0.4436
pull
Entries 81
Mean 40.5
Std Dev 23.38

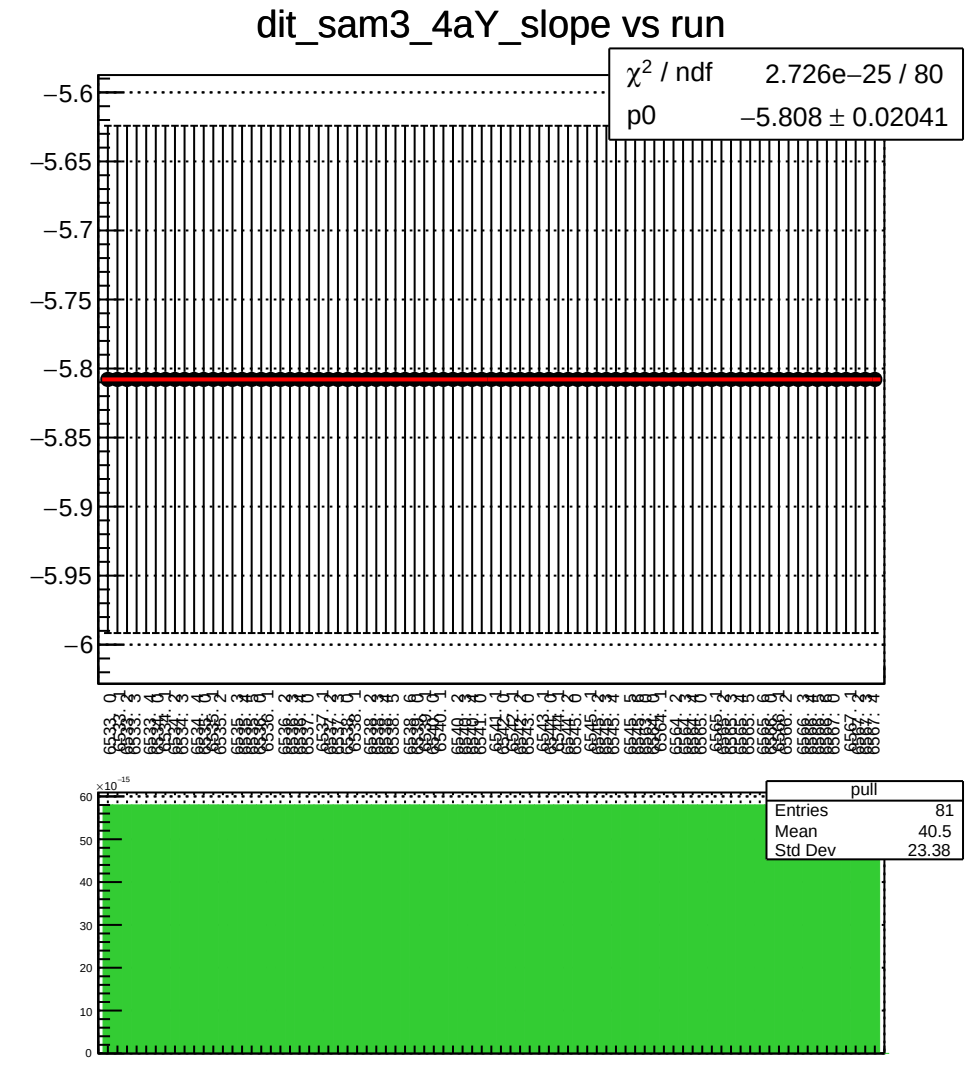

pull1D
Entries 81
Mean −6.229e−15
Std Dev1.497e−22

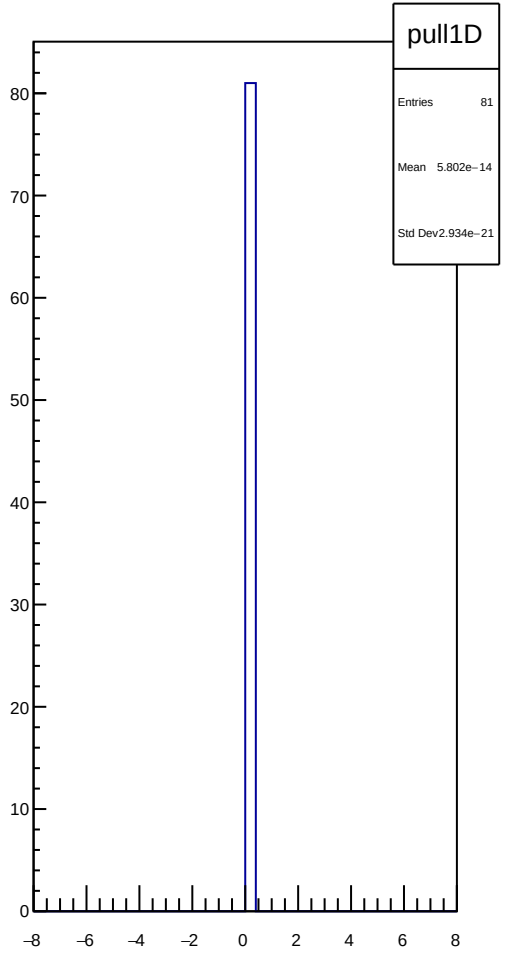

dit_sam3_4eX_slope vs run
χ^2 / ndf 2.299e−25 / 80
p0 −97.38 ± 0.3556
pull
Entries 81
Mean 40.5
Std Dev 23.38

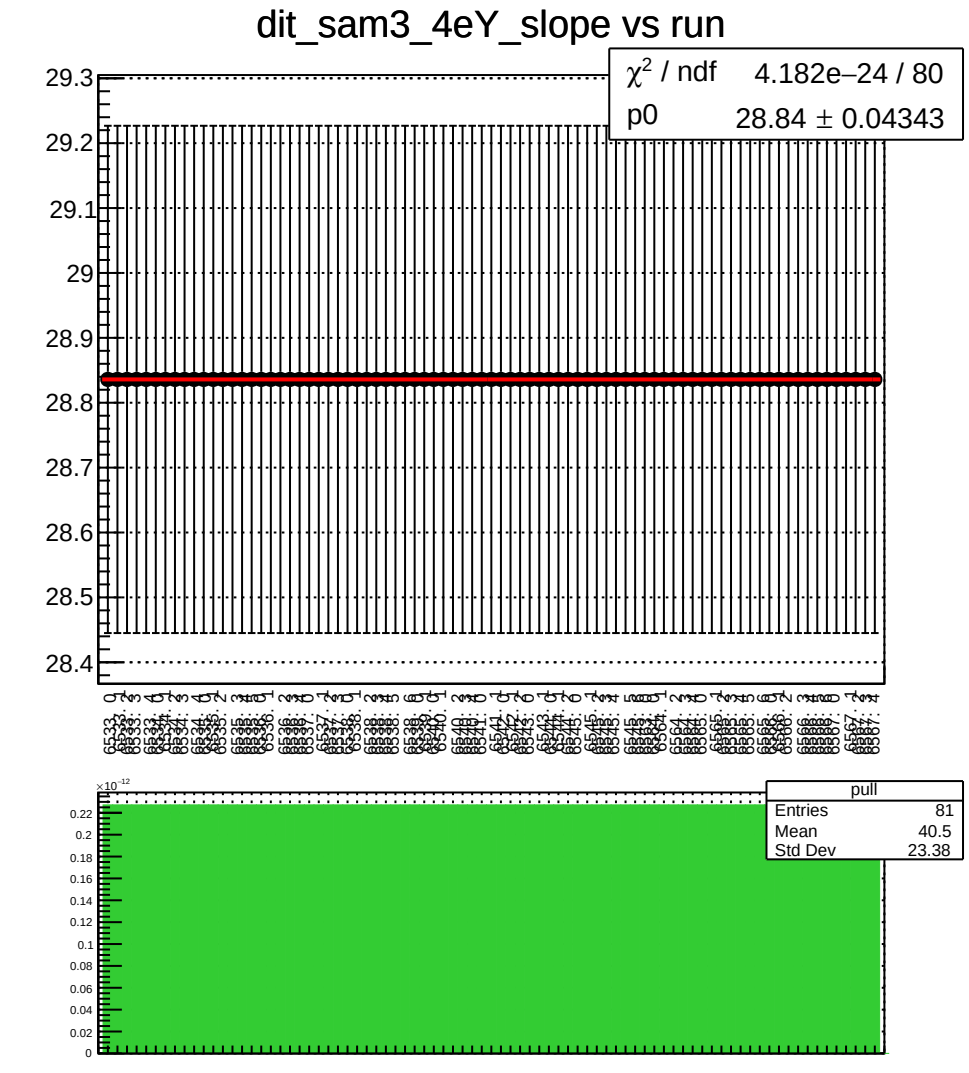

pull1D
Entries 81
Mean 5.328e−14
Std Dev2.611e−21

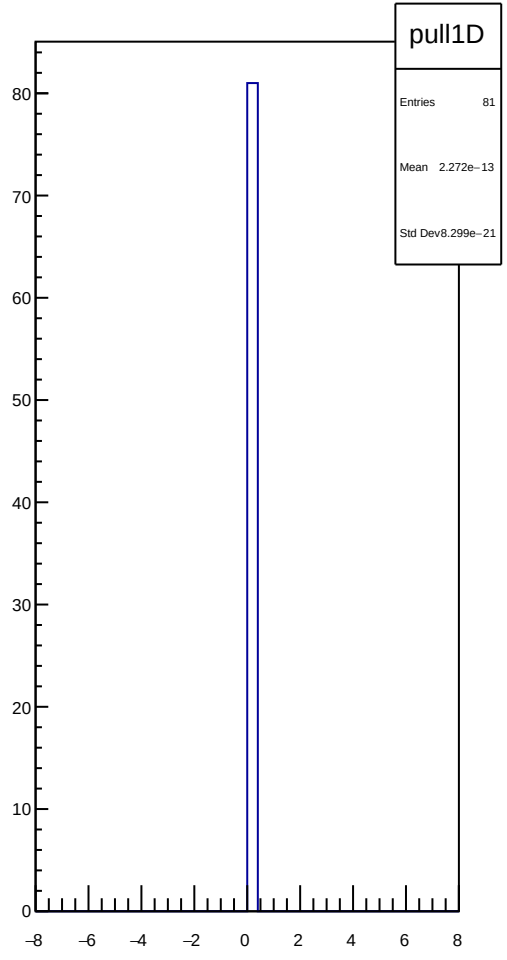

dit_sam3_11X12X_slope vs run
χ² / ndf 2.181e−29 / 80
p0 0.1061 ± 0.008915
pull
Entries 81
Mean 40.5
Std Dev 23.38

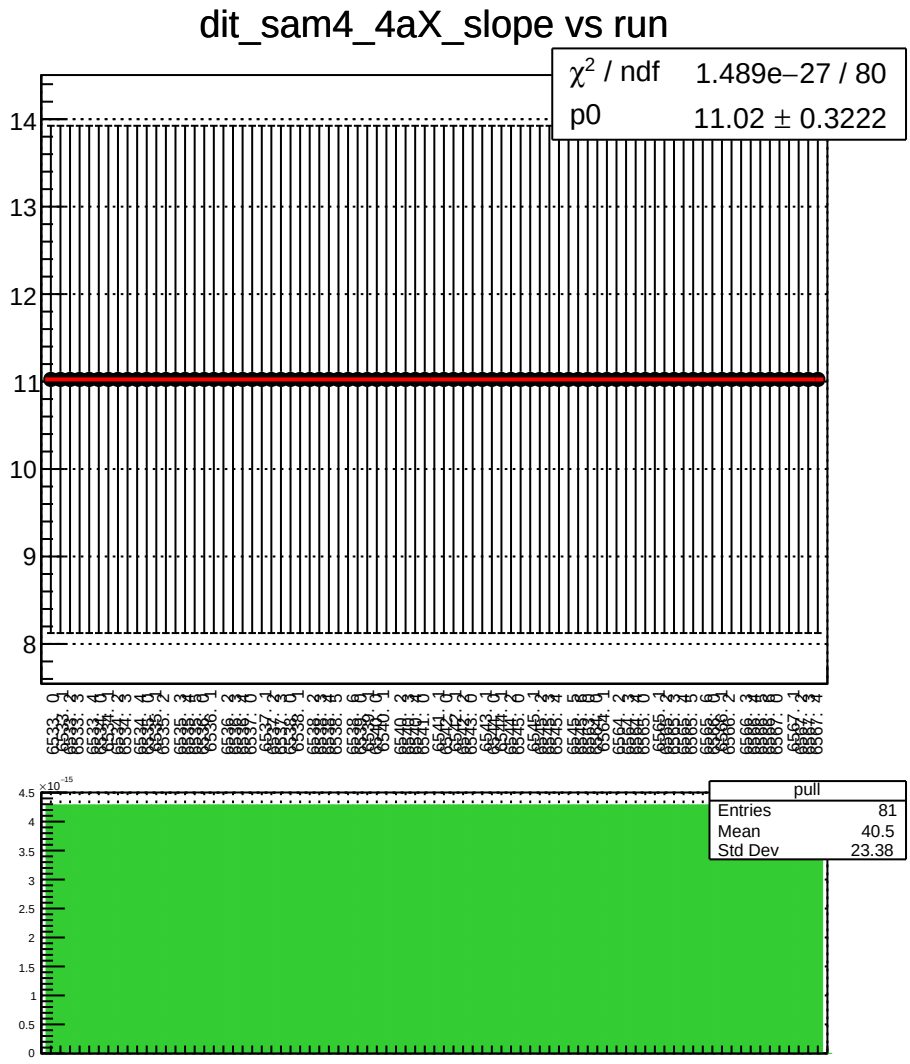

pull1D
Entries 81
Mean 5.189e−16
Std Dev 3.032e−23

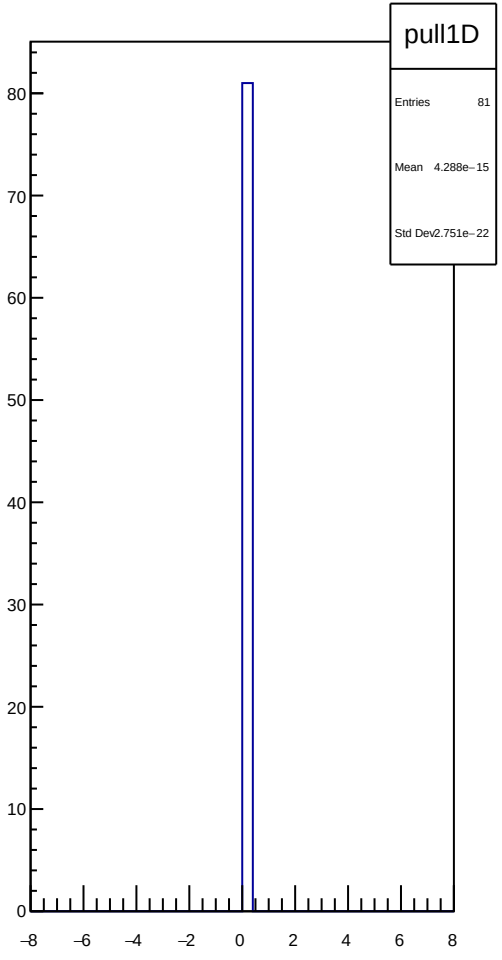

dit_sam3_4aY_slope vs run
χ² / ndf 2.726e−25 / 80
p0 −5.808 ± 0.02041
−5.6
−5.65
−5.7
−5.75
−5.8
−5.85
−5.9
−5.95
−6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
60
50
40
30
20
10
0

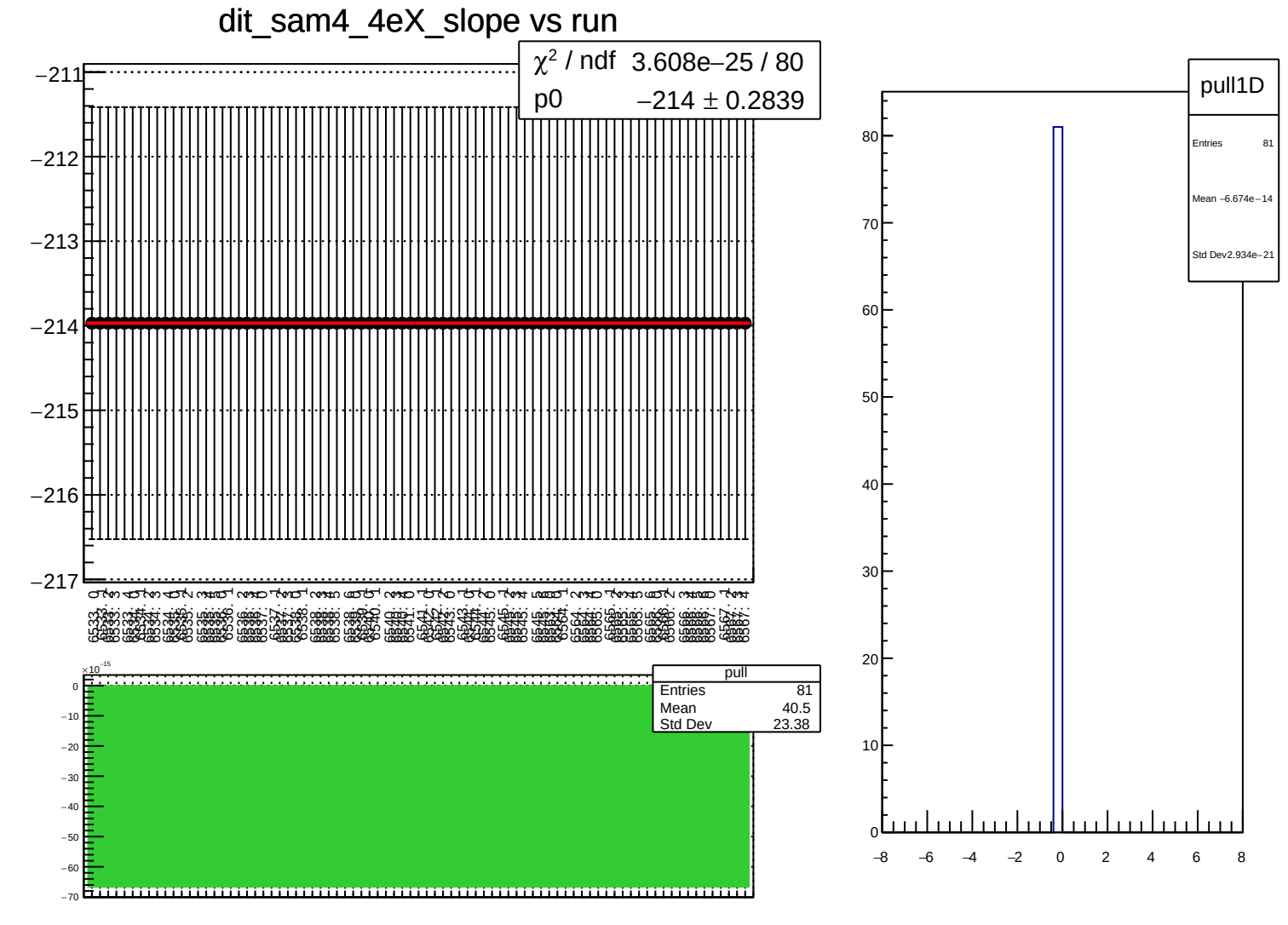

pull1D
Entries 81
Mean 5.802e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

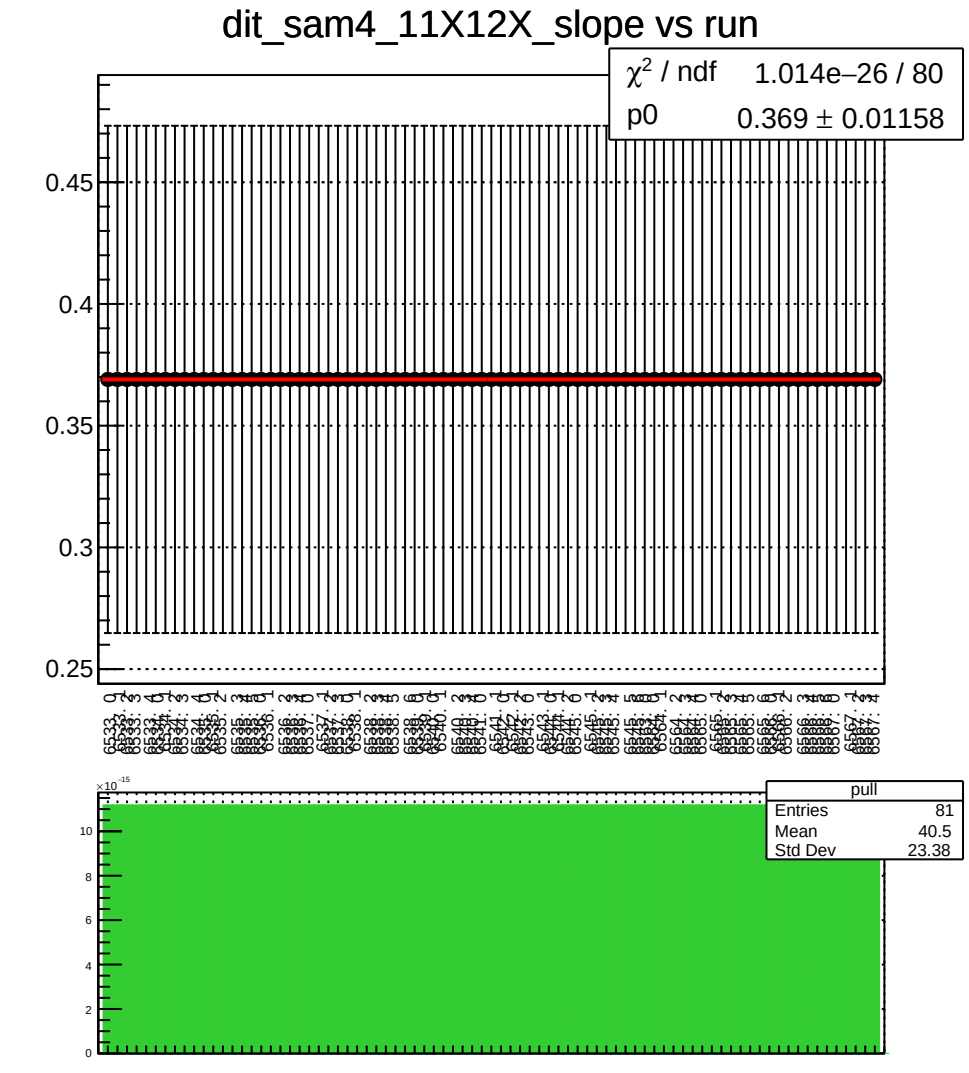

dit_sam3_4eY_slope vs run
χ² / ndf 4.182e−24 / 80
p0 28.84 ± 0.04343
pull
Entries 81
Mean 40.5
Std Dev 23.38

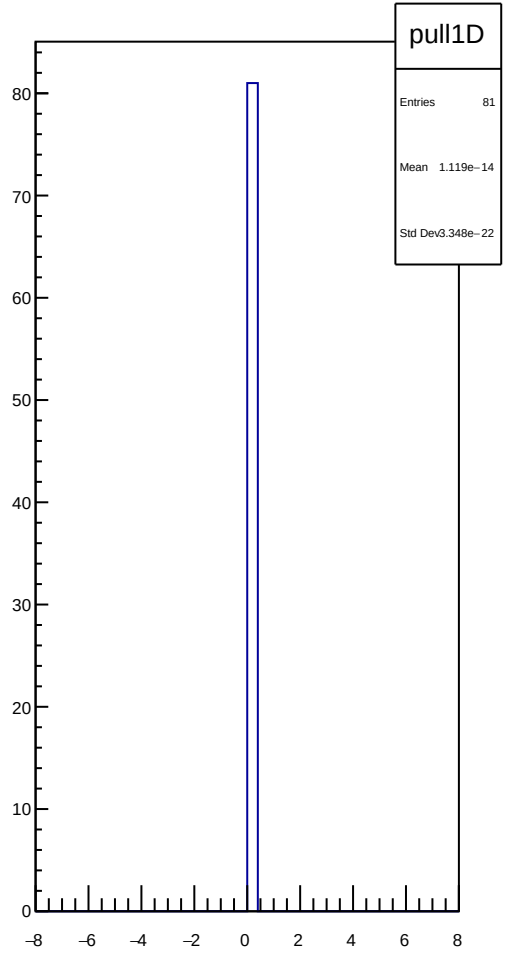

pull1D
Entries 81
Mean 2.272e−13
Std Dev8.299e−21

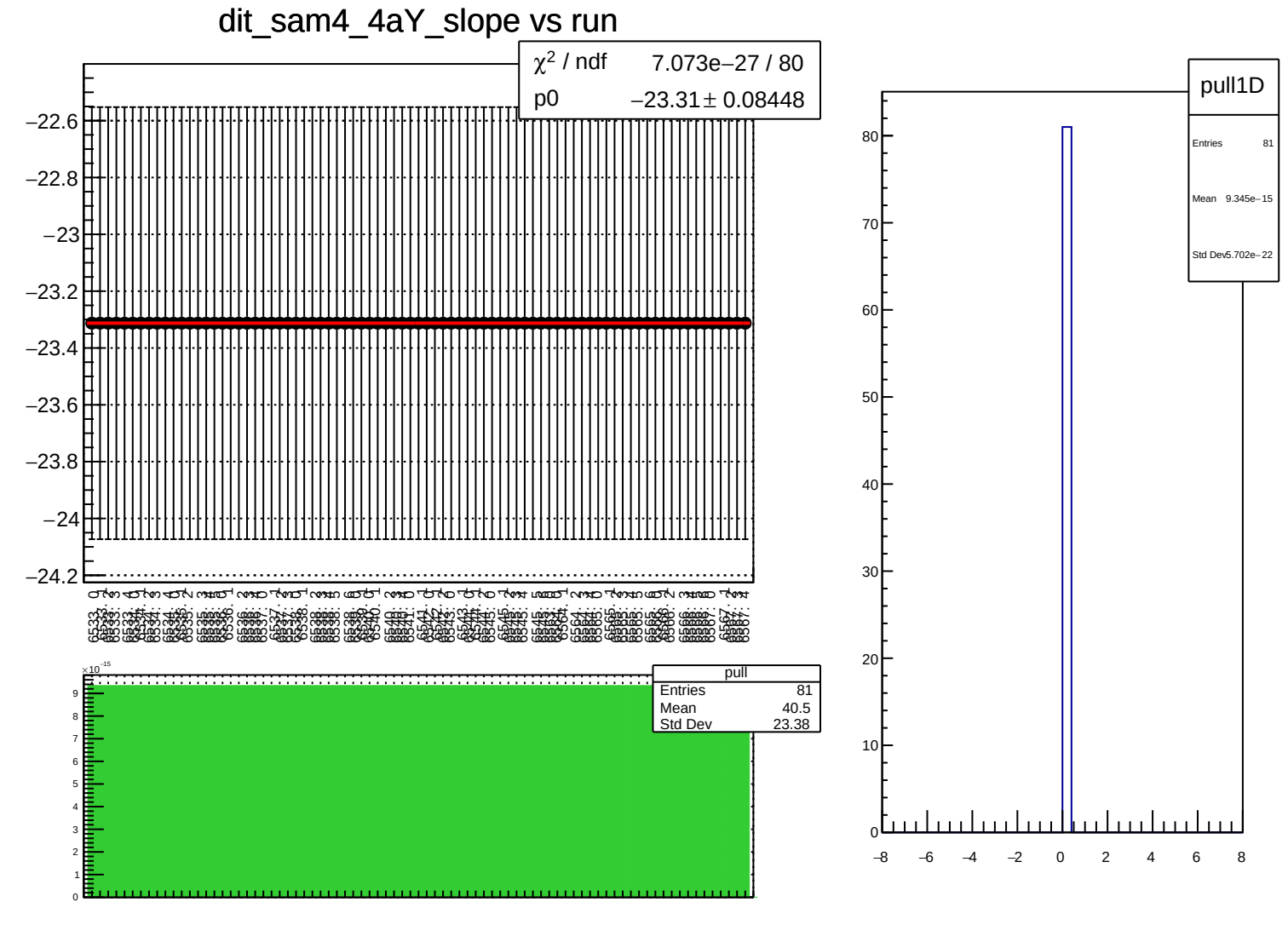

dit_sam4_4aX_slope vs run
χ^2 / ndf 1.489e−27 / 80
p0 11.02 ± 0.3222
pull
Entries 81
Mean 40.5
Std Dev 23.38

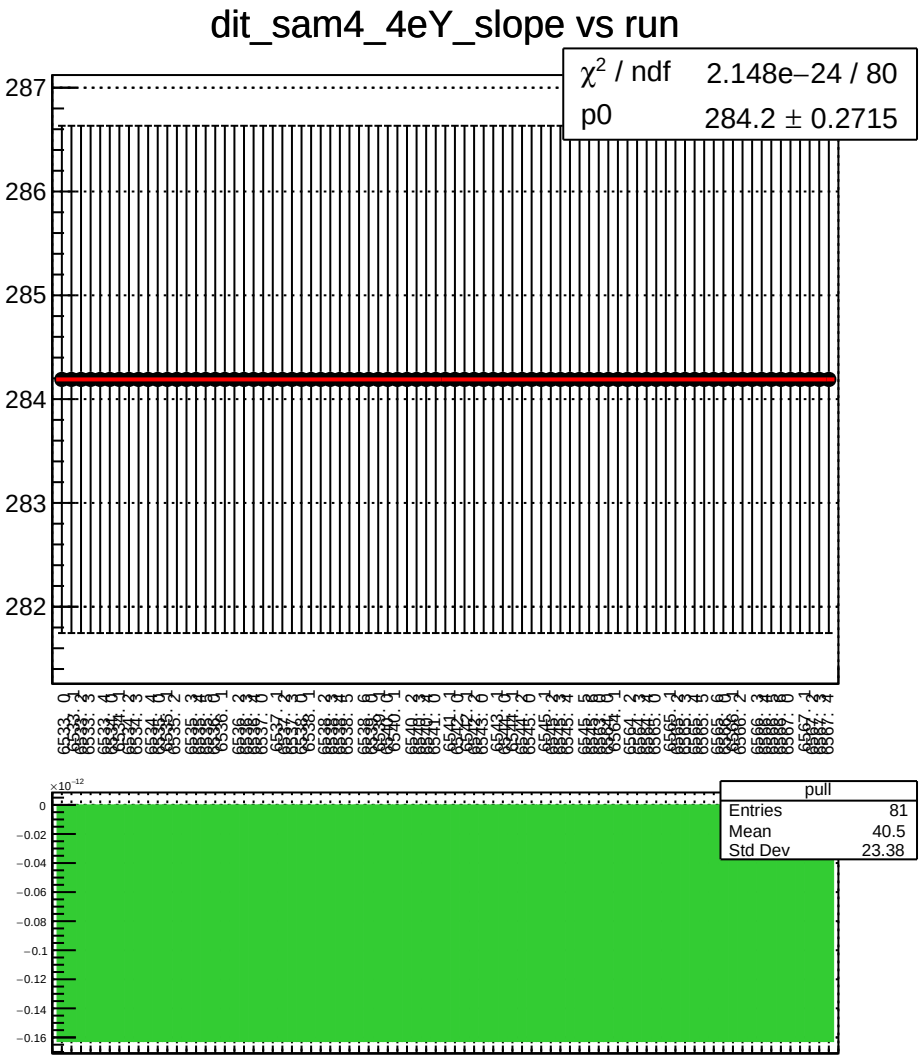

pull1D
Entries 81
Mean 4.288e−15
Std Dev 2.751e−22

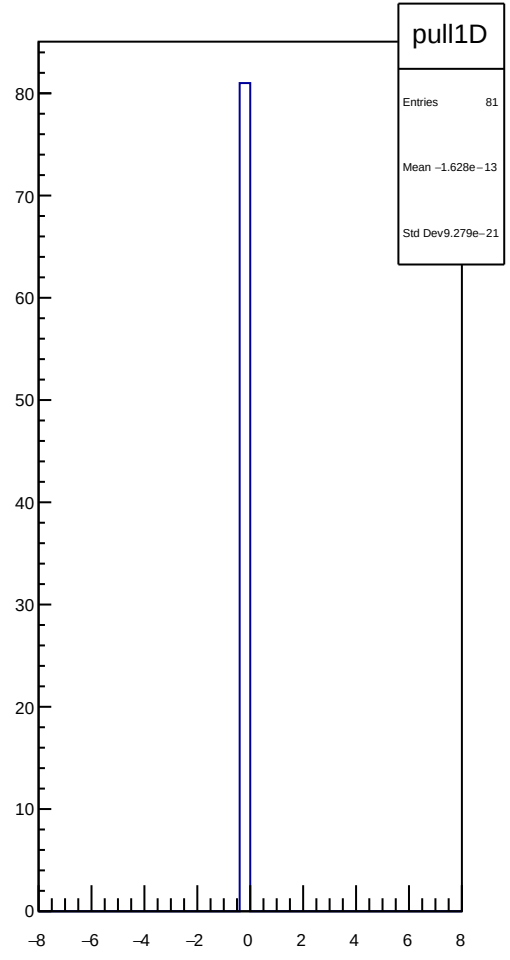

dit_sam4_4eX_slope vs run
χ² / ndf 3.608e−25 / 80
p0 −214 ± 0.2839
−211
−212
−213
−214
−215
−216
−217
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 81
Mean −6.674e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

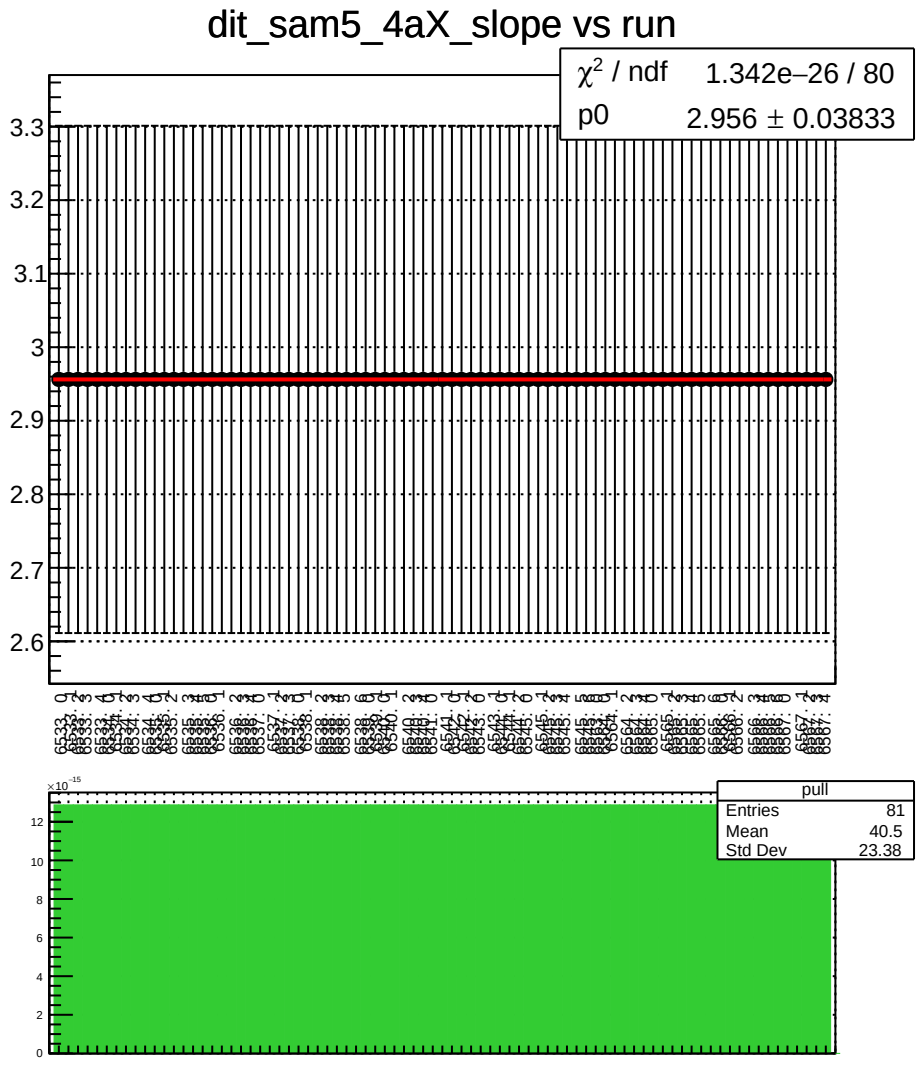

dit_sam4_11X12X_slope vs run
χ² / ndf 1.014e−26 / 80
p0 0.369 ± 0.01158
0.45
0.4
0.35
0.3
0.25
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
10
8
6
4
2
0

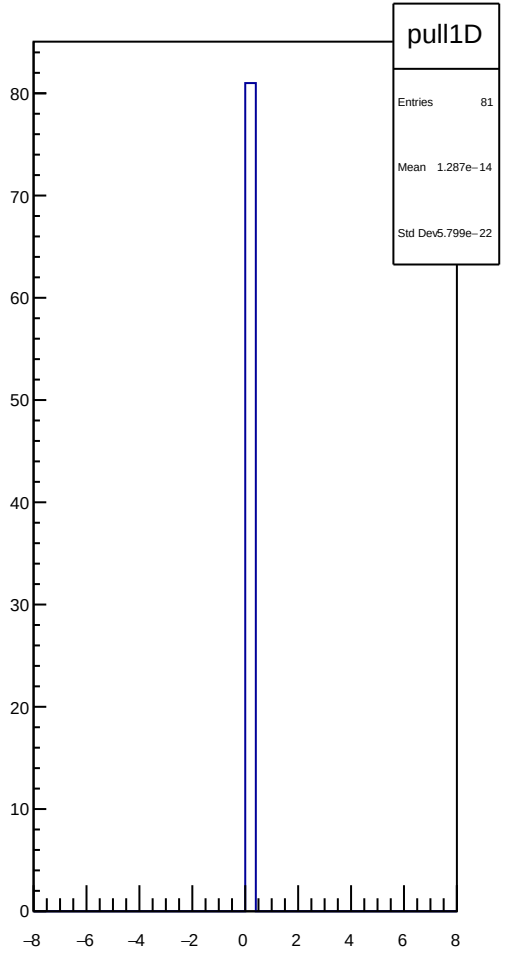

pull1D
Entries 81
Mean 1.119e−14
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

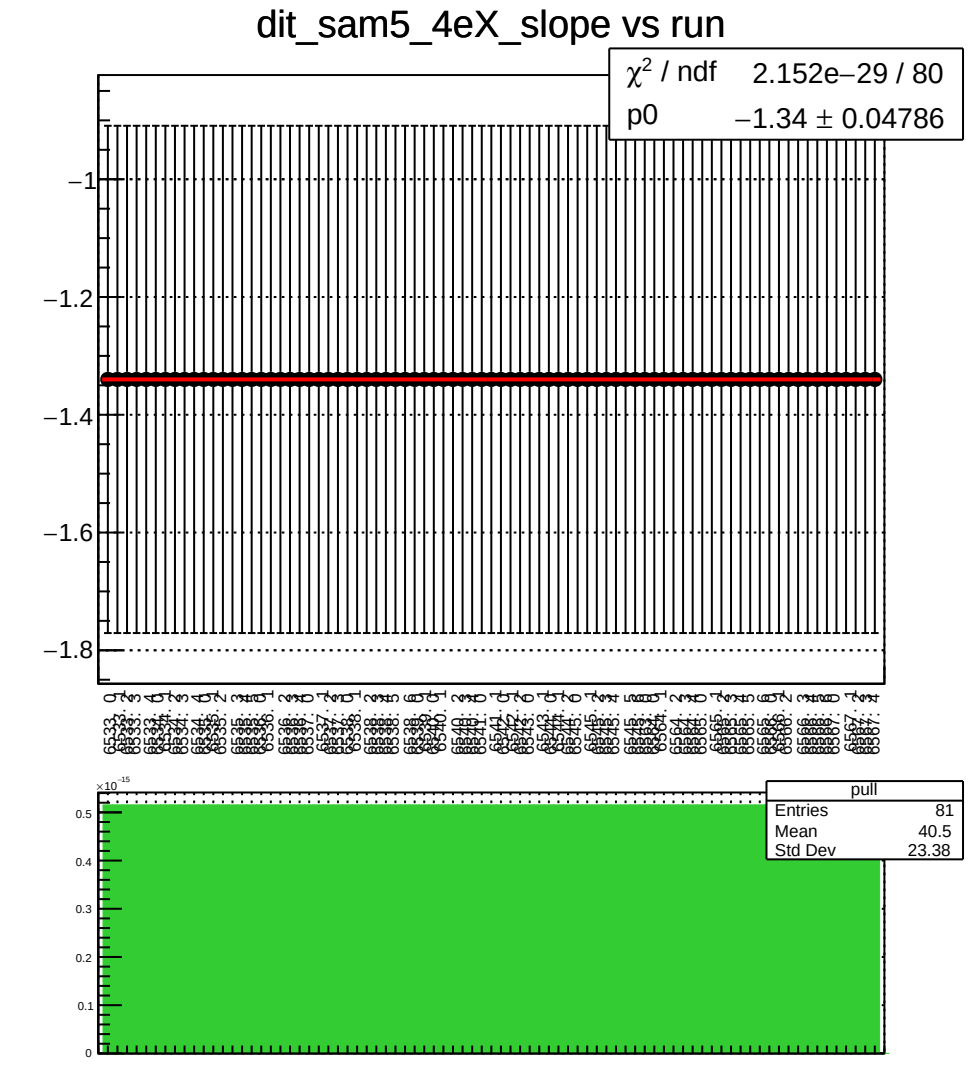

dit_sam4_4aY_slope vs run
χ² / ndf 7.073e−27 / 80
p0 −23.31 ± 0.08448
−22.6
−22.8
−23
−23.2
−23.4
−23.6
−23.8
−24
−24.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 9.345e−15
Std Dev 5.702e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

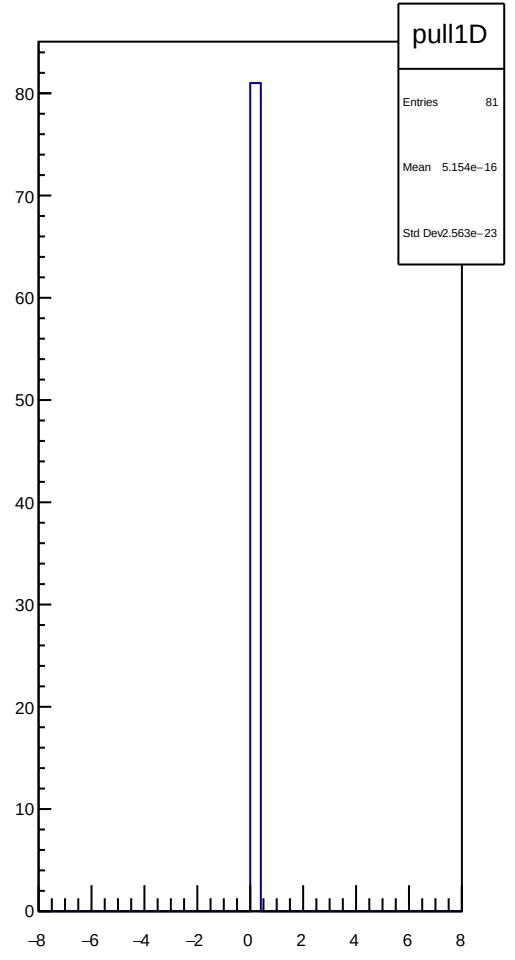

dit_sam4_4eY_slope vs run
χ^2 / ndf 2.148e−24 / 80
p0 284.2 ± 0.2715
287
286
285
284
283
282
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

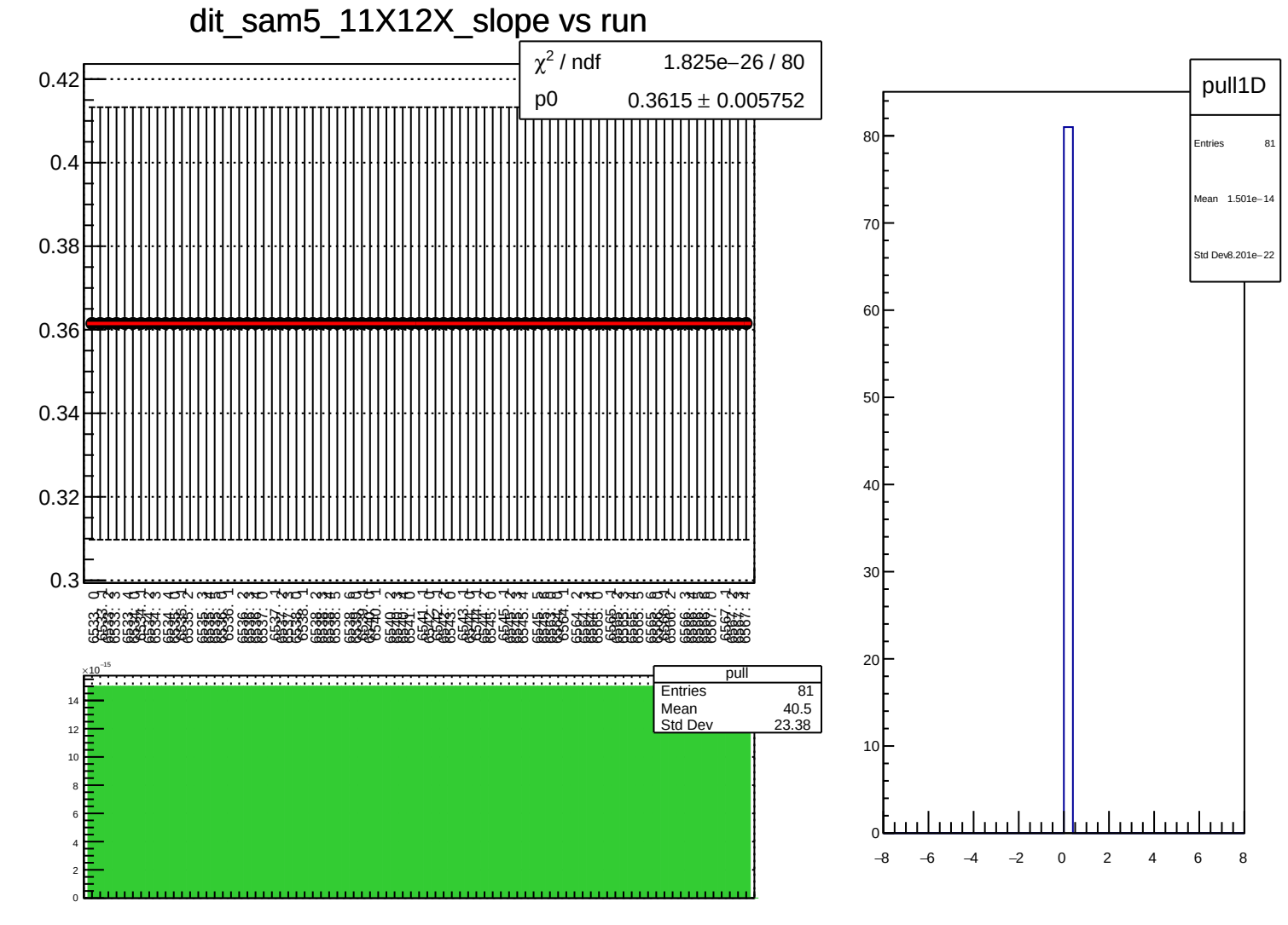

pull1D
Entries 81
Mean −1.628e−13
Std Dev9.279e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

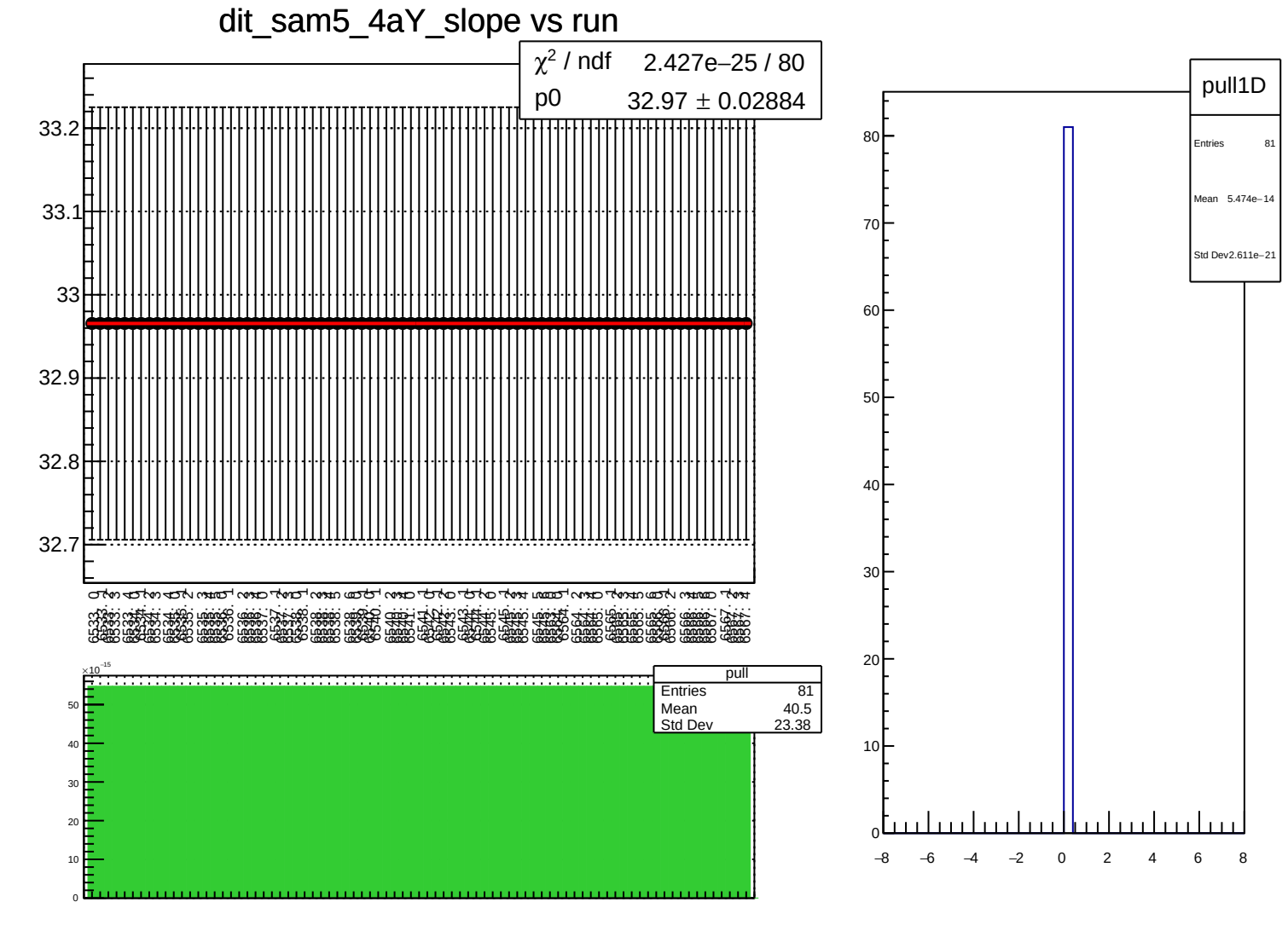

dit_sam5_4aX_slope vs run
χ² / ndf 1.342e−26 / 80
p0 2.956 ± 0.03833
pull
Entries 81
Mean 40.5
Std Dev 23.38

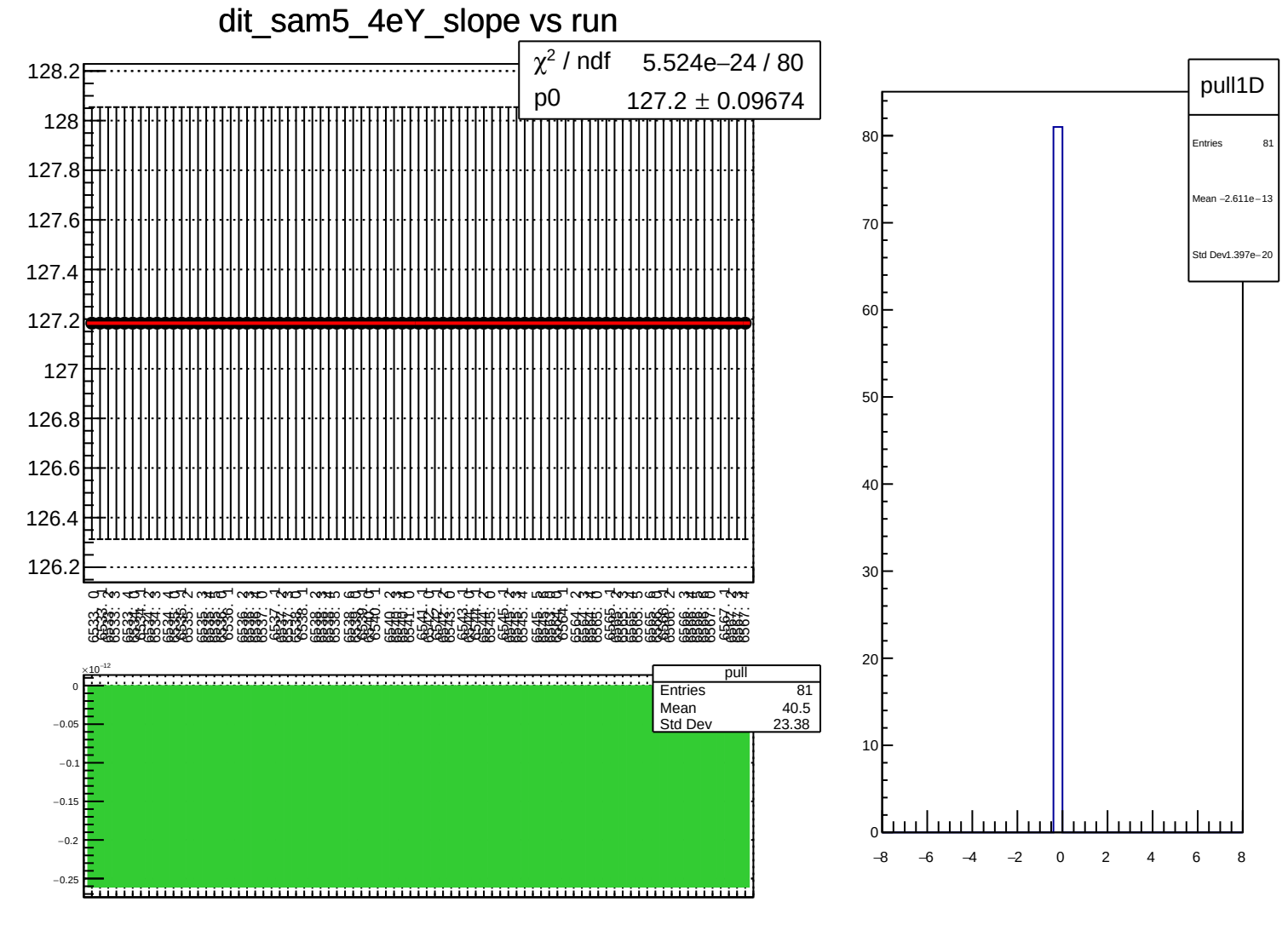

pull1D
Entries 81
Mean 1.287e−14
Std Dev 5.799e−22

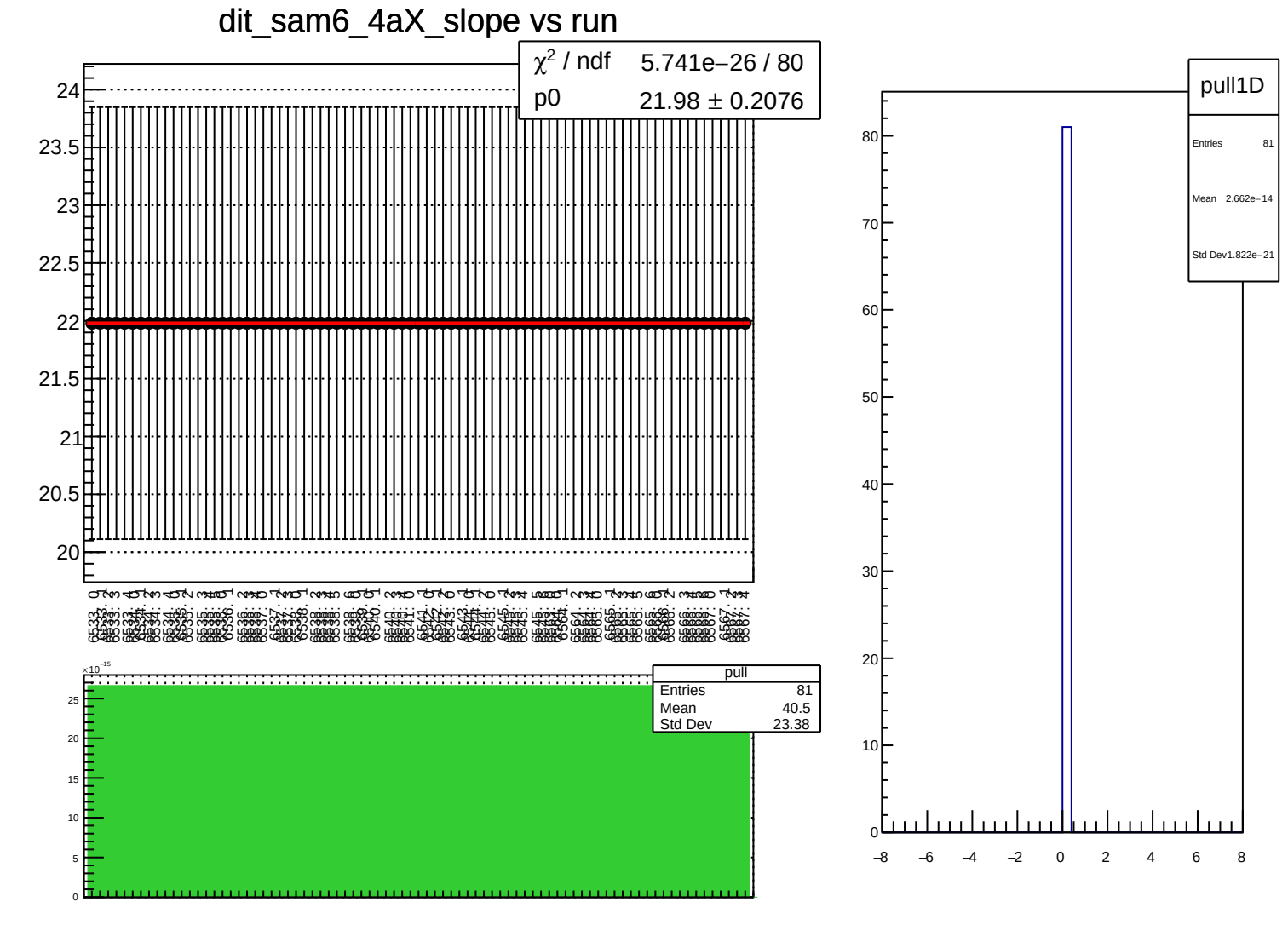

dit_sam5_4eX_slope vs run
χ^2 / ndf 2.152e−29 / 80
p0 −1.34 ± 0.04786
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0.5
0.4
0.3
0.2
0.1
0

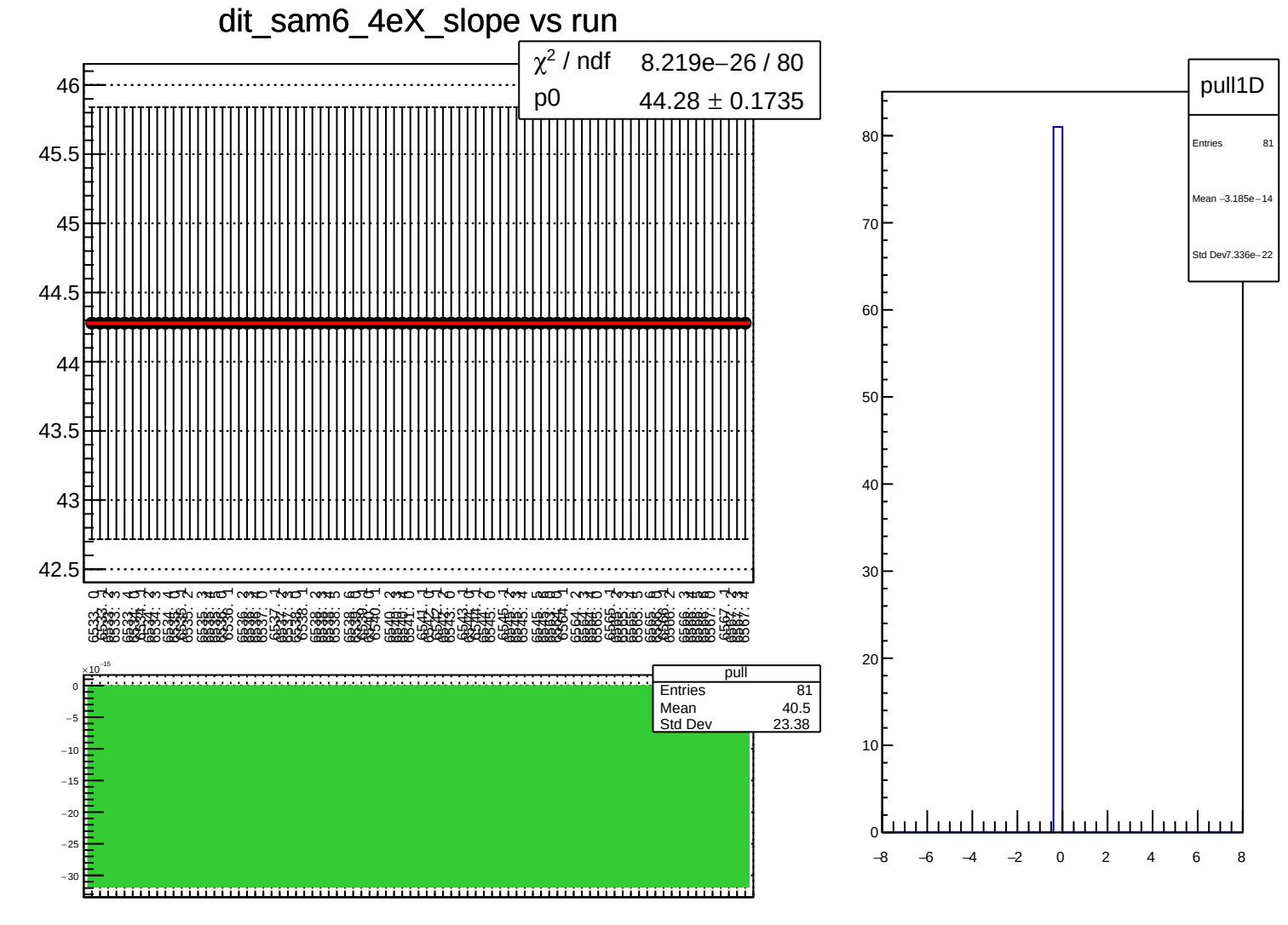

pull1D
Entries 81
Mean 5.154e−16
Std Dev 2.563e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

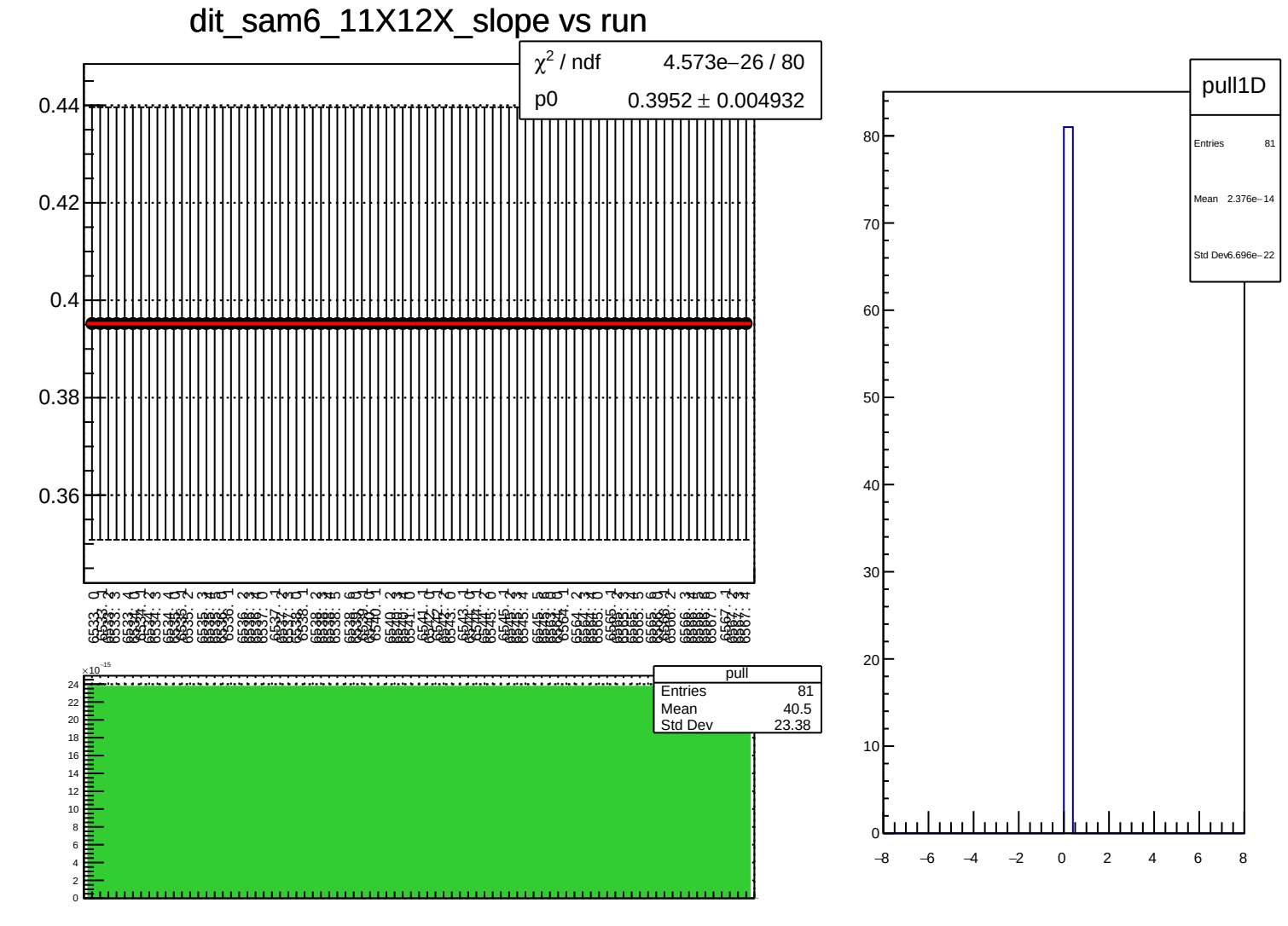

dit_sam5_11X12X_slope vs run
χ² / ndf 1.825e−26 / 80
p0 0.3615 ± 0.005752
0.42
0.4
0.38
0.36
0.34
0.32
0.3
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull1D
Entries 81
Mean 1.501e−14
Std Dev 8.201e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

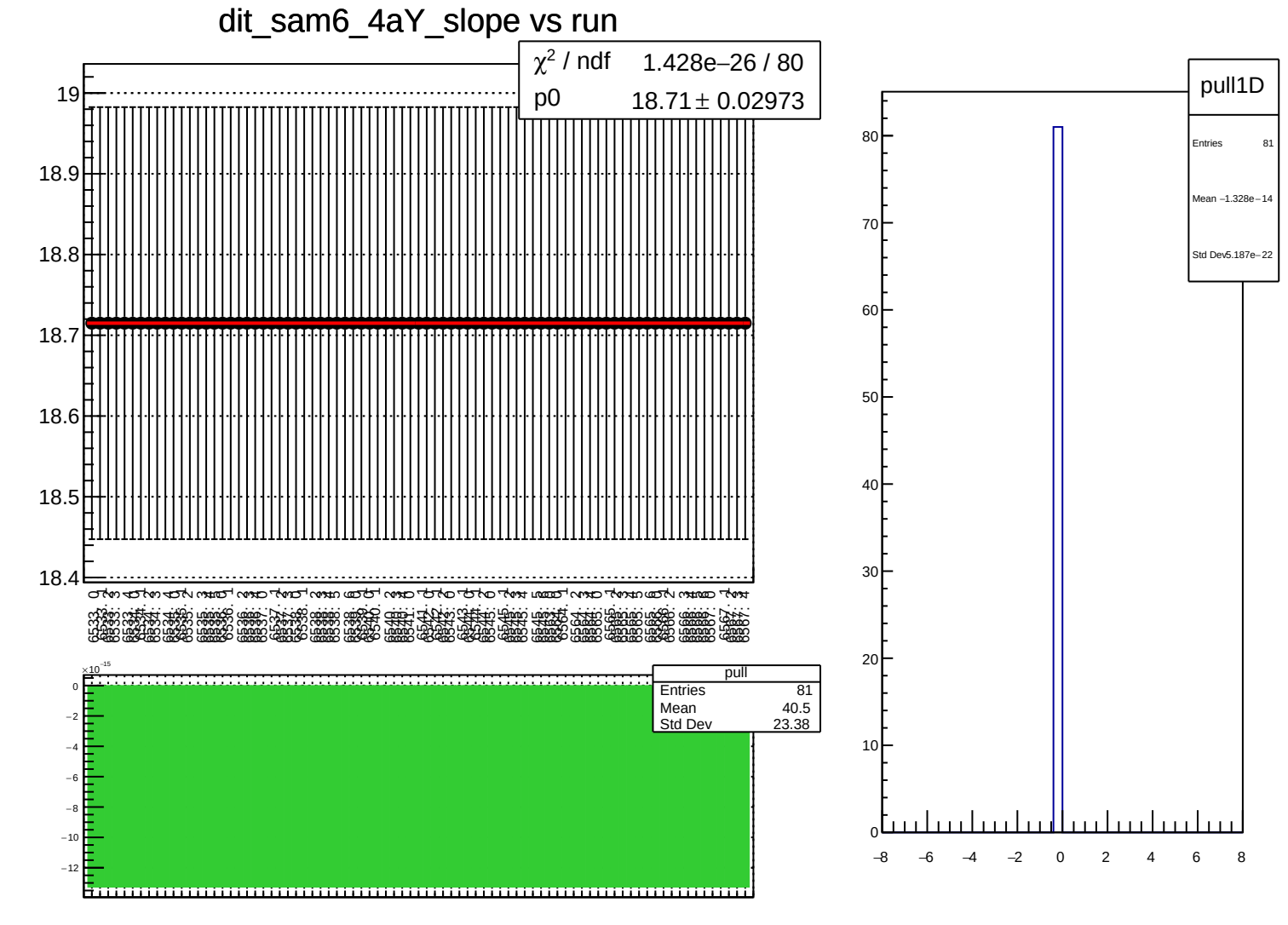

dit_sam5_4aY_slope vs run
χ² / ndf 2.427e−25 / 80
p0 32.97 ± 0.02884
33.2
33.1
33
32.9
32.8
32.7
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 5.474e−14
Std Dev2.611e−21

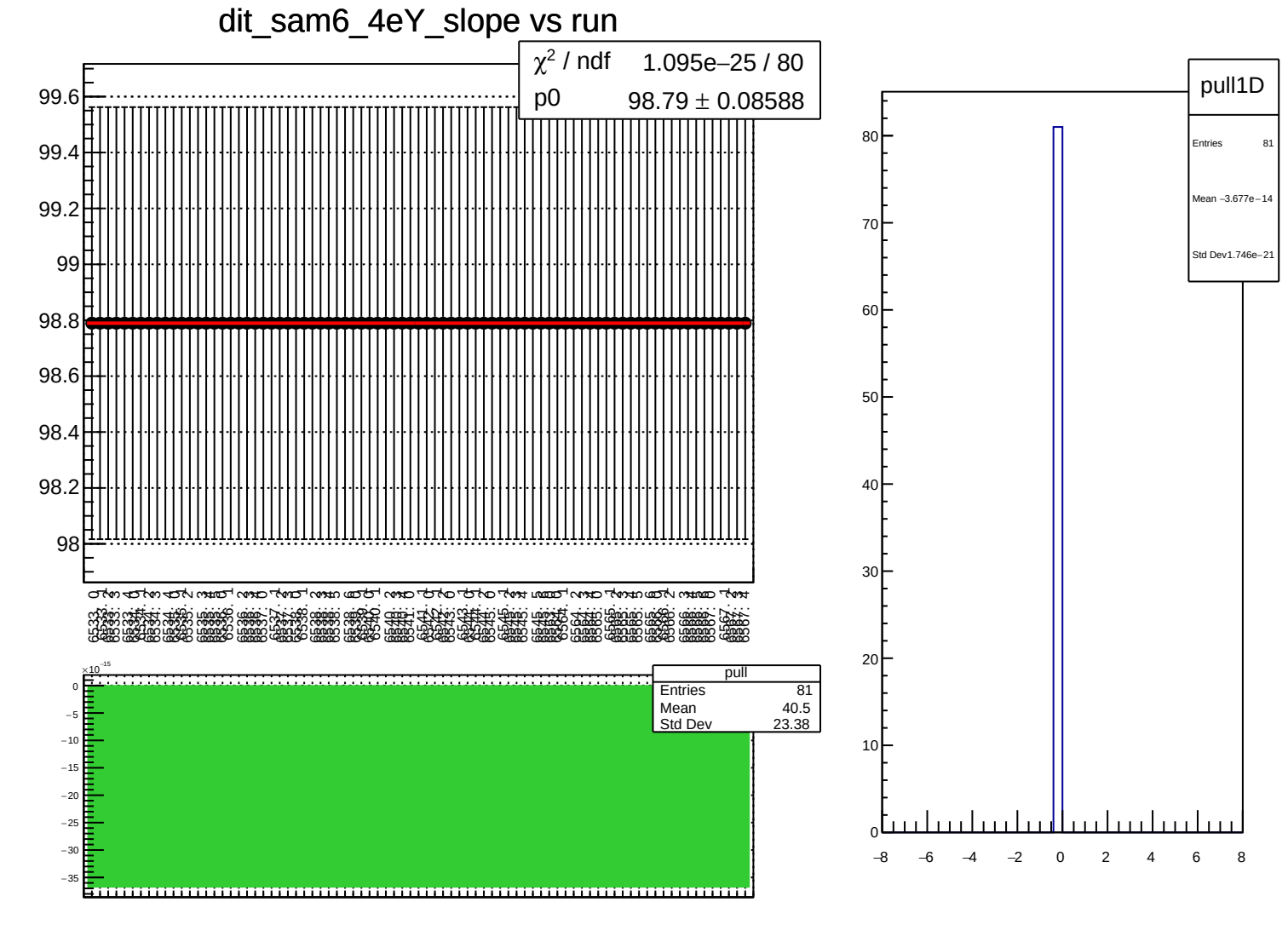

dit_sam5_4eY_slope vs run
χ^2 / ndf 5.524e−24 / 80
p0 127.2 ± 0.09674
128.2
128
127.8
127.6
127.4
127.2
127
126.8
126.6
126.4
126.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 81
Mean −2.611e−13
Std Dev1.397e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

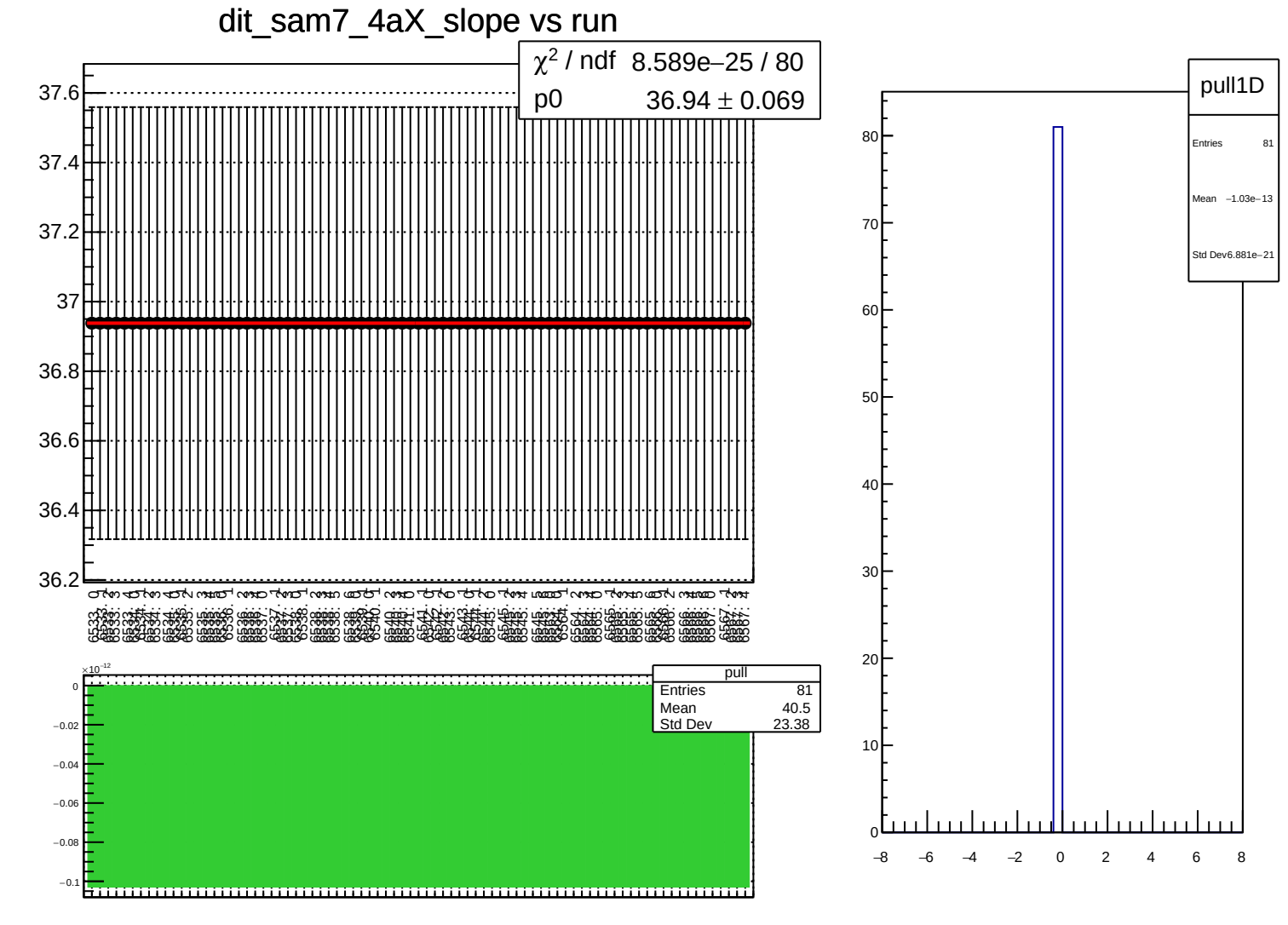

dit_sam6_4aX_slope vs run
χ² / ndf 5.741e−26 / 80
p0 21.98 ± 0.2076
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.662e−14
Std Dev1.822e−21

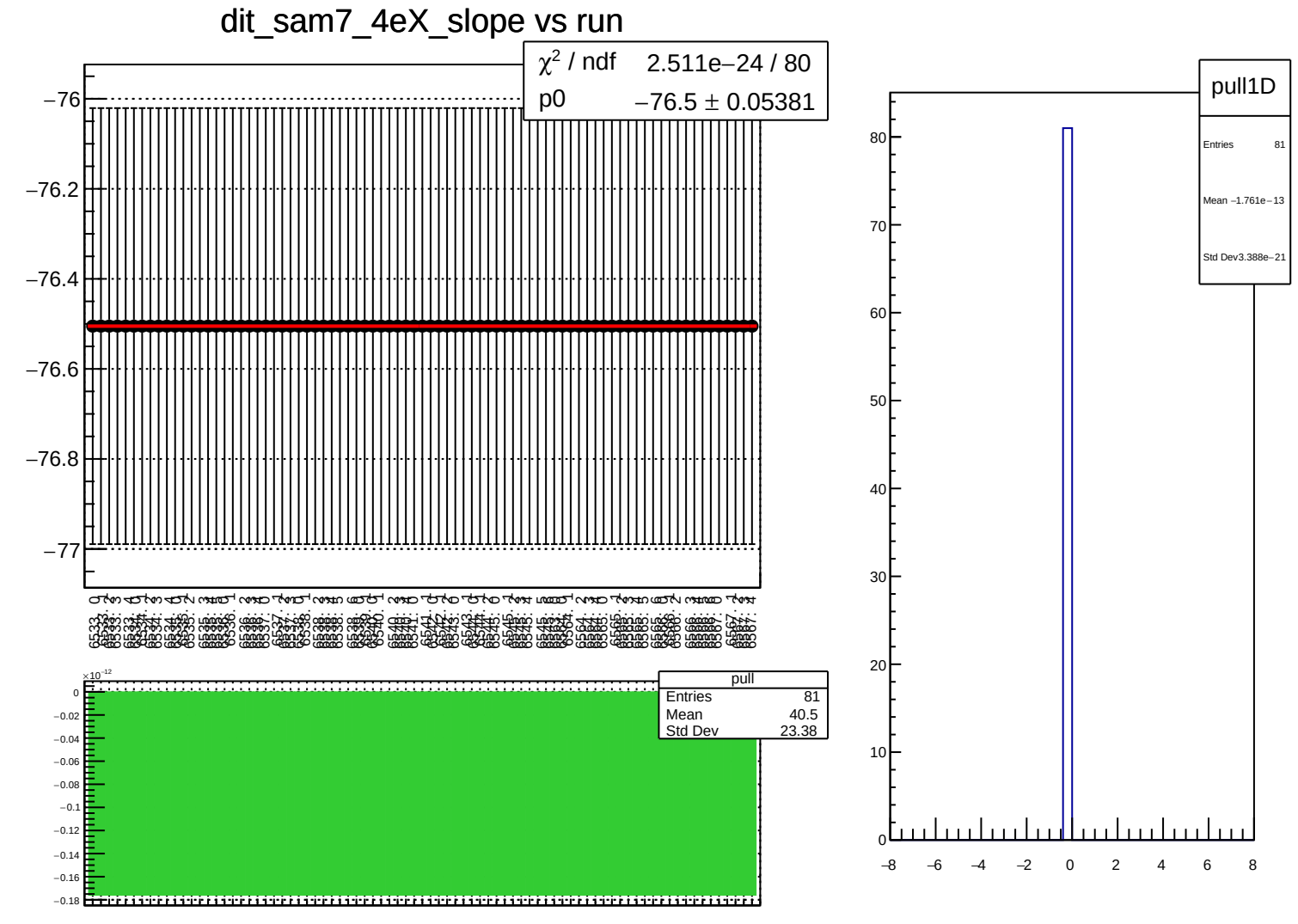

dit_sam6_4eX_slope vs run
χ^2 / ndf 8.219e−26 / 80
p0 44.28 ± 0.1735
46
45.5
45
44.5
44
43.5
43
42.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 81
Mean −3.185e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

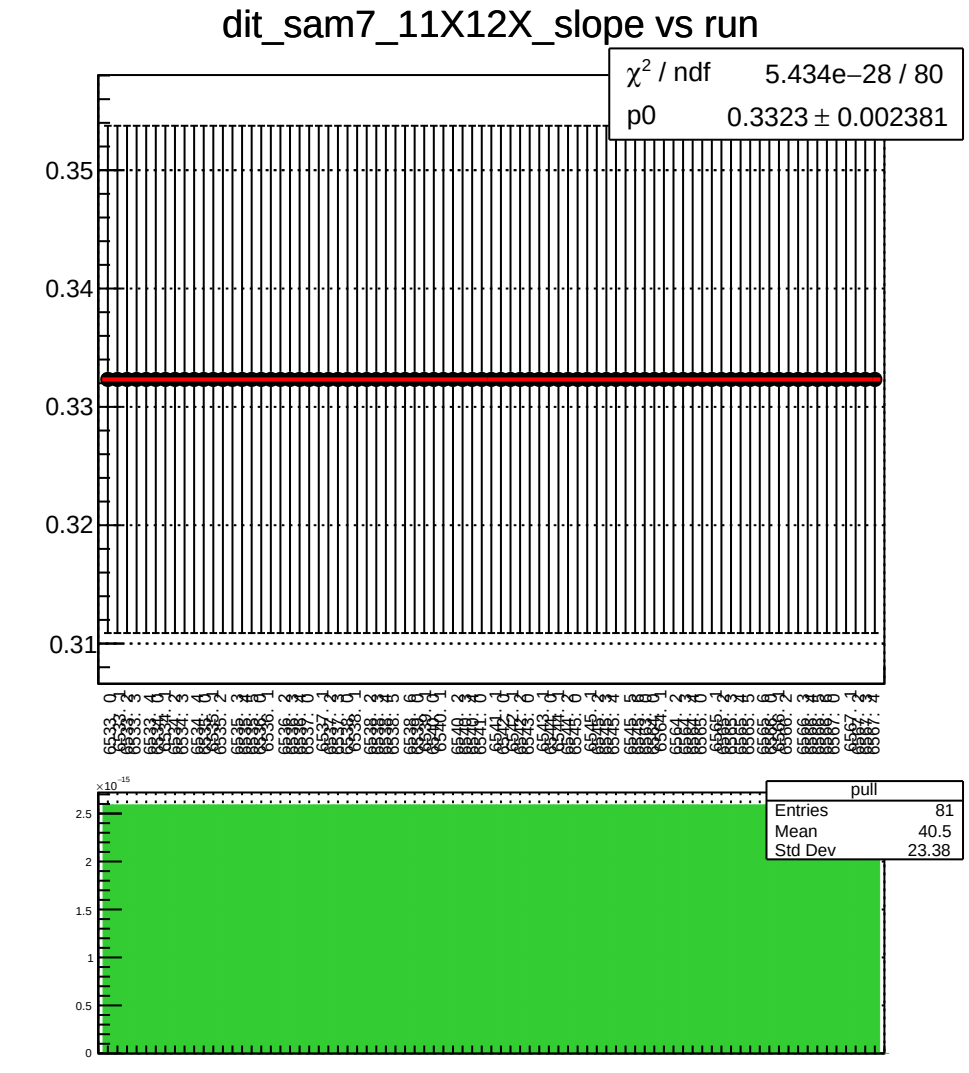

dit_sam6_11X12X_slope vs run
χ² / ndf 4.573e−26 / 80
p0 0.3952 ± 0.004932
0.44
0.42
0.4
0.38
0.36
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 2.376e−14
Std Dev 6.696e−22

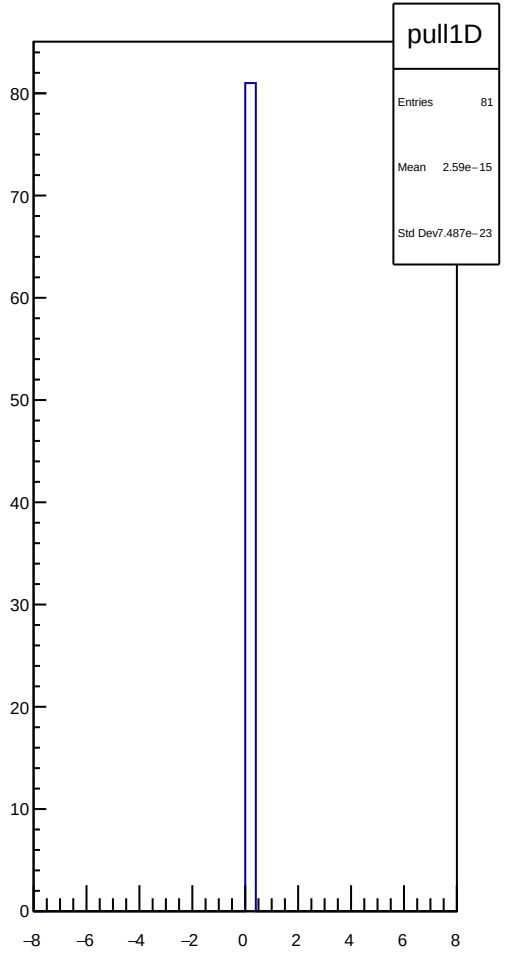

dit_sam6_4aY_slope vs run
χ² / ndf 1.428e−26 / 80
p0 18.71 ± 0.02973
19
18.9
18.8
18.7
18.6
18.5
18.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 81
Mean −1.328e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

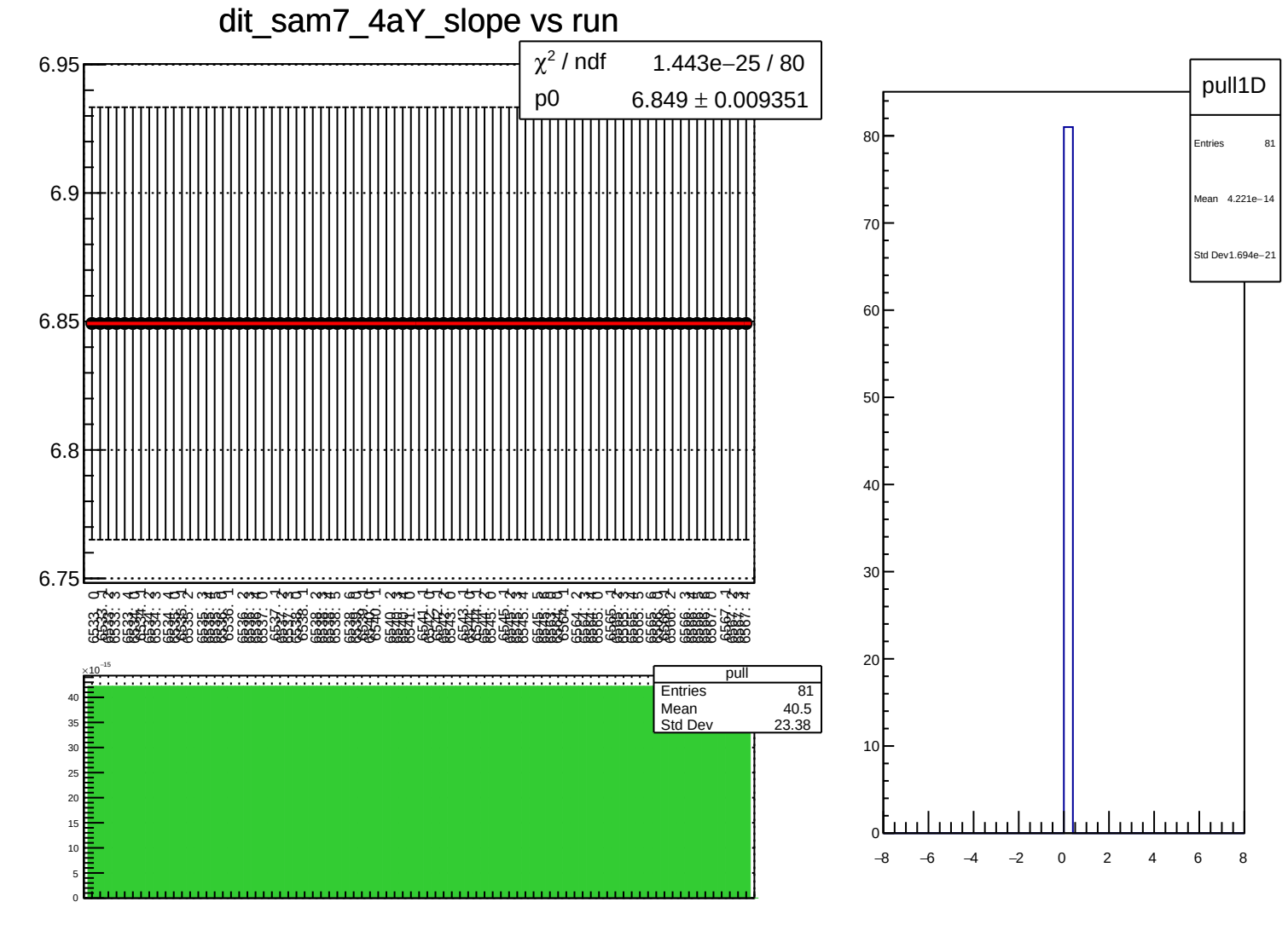

dit_sam6_4eY_slope vs run
χ^2 / ndf 1.095e−25 / 80
p0 98.79 ± 0.08588
99.6
99.4
99.2
99
98.8
98.6
98.4
98.2
98
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 81
Mean −3.677e−14
Std Dev1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

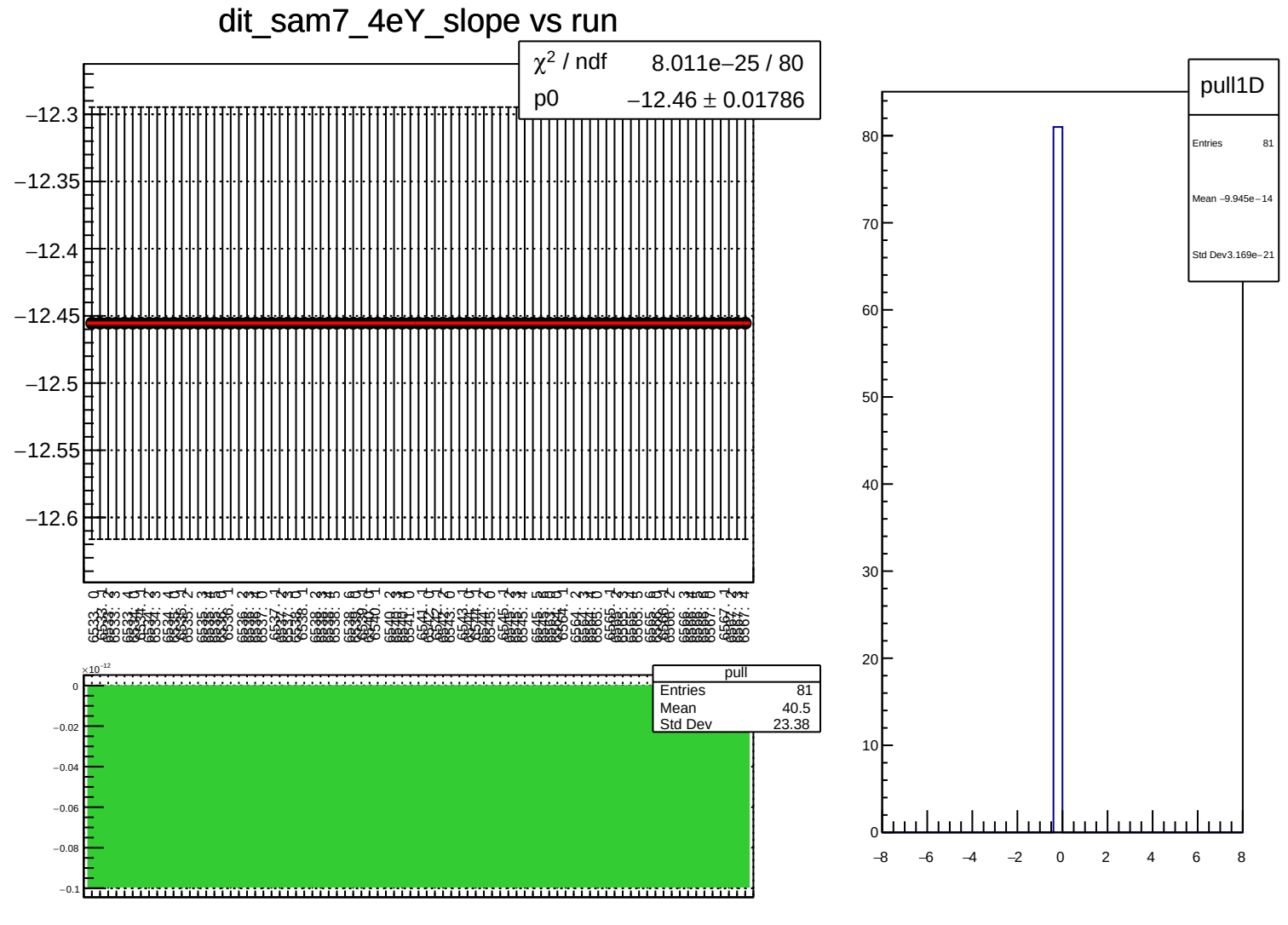

dit_sam7_4aX_slope vs run
χ^2 / ndf 8.589e−25 / 80
p0 36.94 ± 0.069
37.6
37.4
37.2
37
36.8
36.6
36.4
36.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 81
Mean −1.03e−13
Std Dev6.881e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

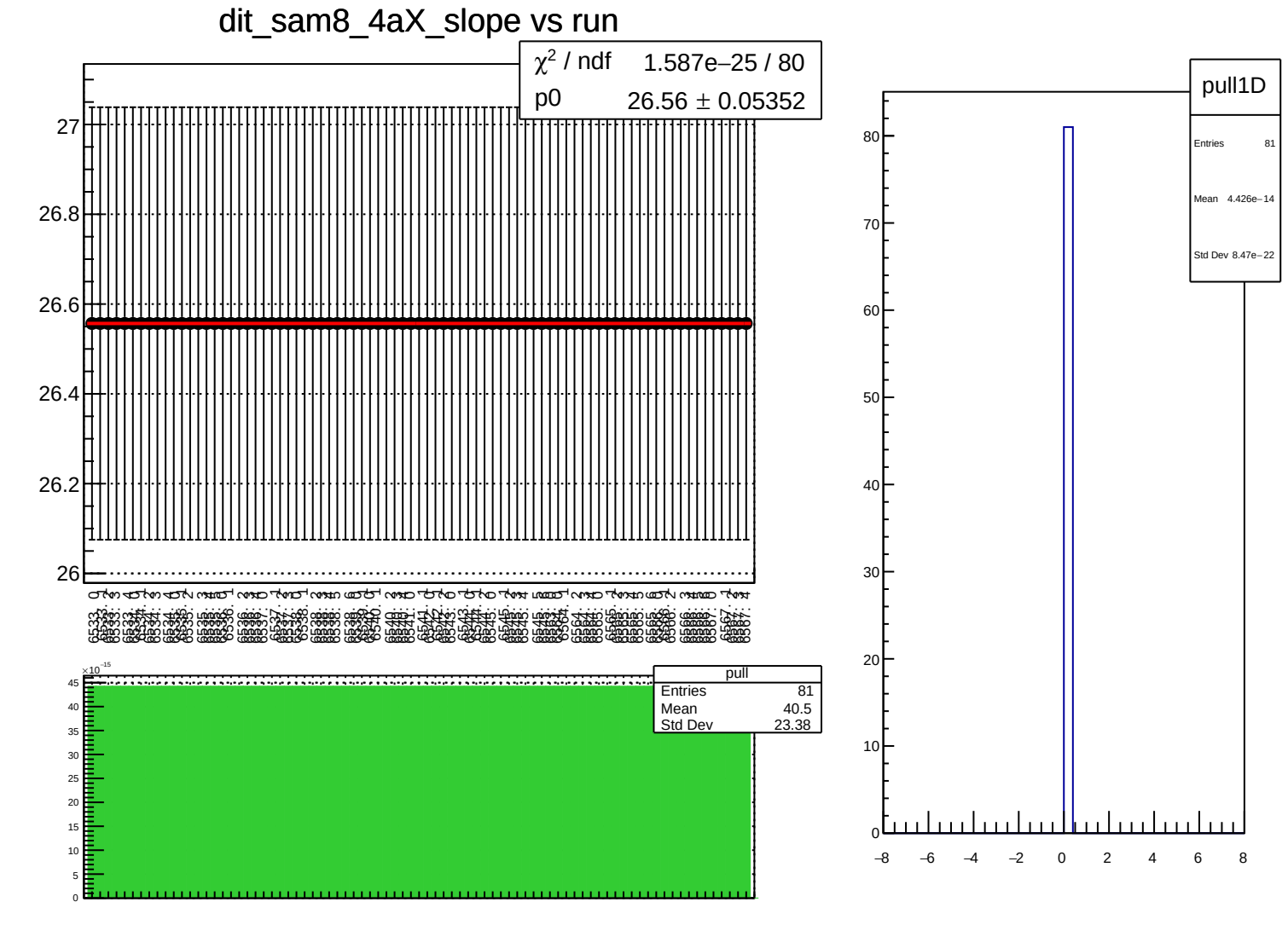

dit_sam7_4eX_slope vs run
χ^2 / ndf 2.511e−24 / 80
p0 −76.5 ± 0.05381
−76
−76.2
−76.4
−76.6
−76.8
−77
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 81
Mean −1.761e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

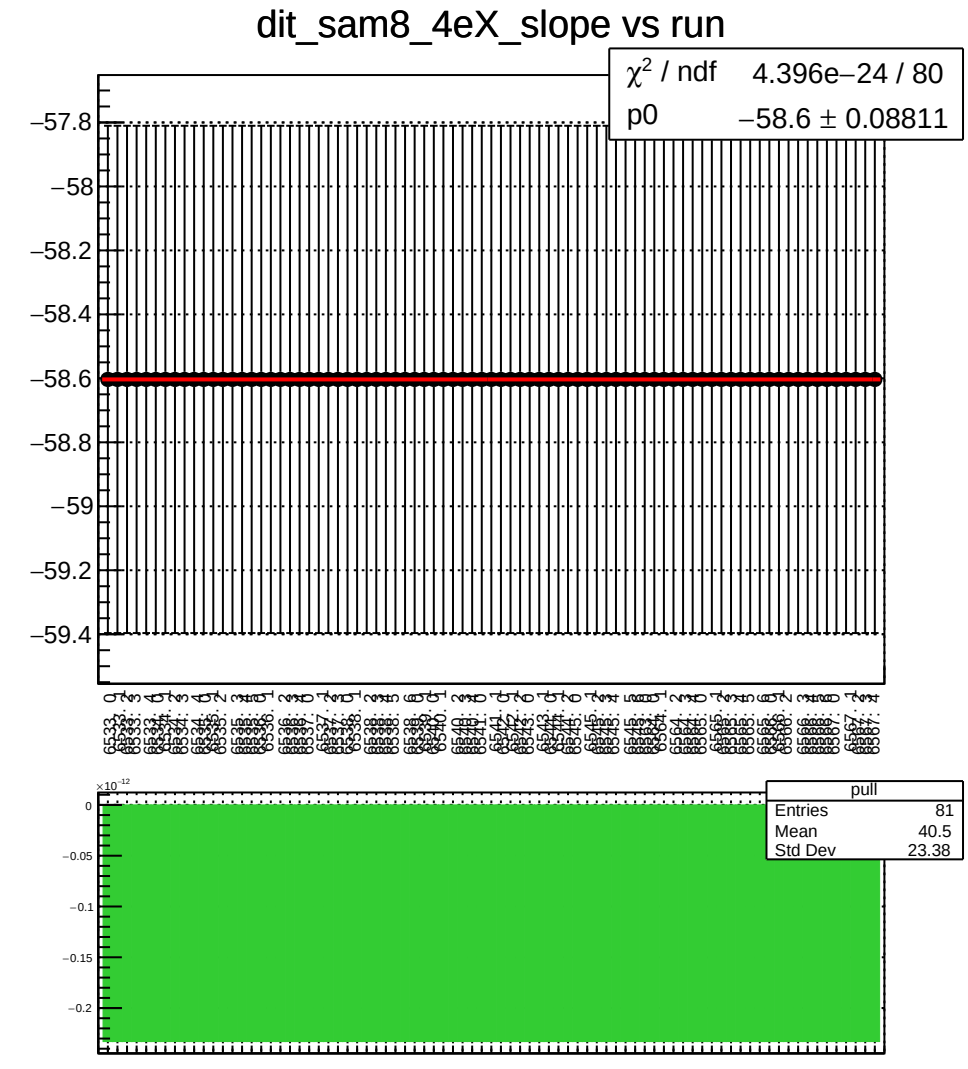

dit_sam7_11X12X_slope vs run
χ² / ndf 5.434e−28 / 80
p0 0.3323 ± 0.002381
0.35
0.34
0.33
0.32
0.31
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

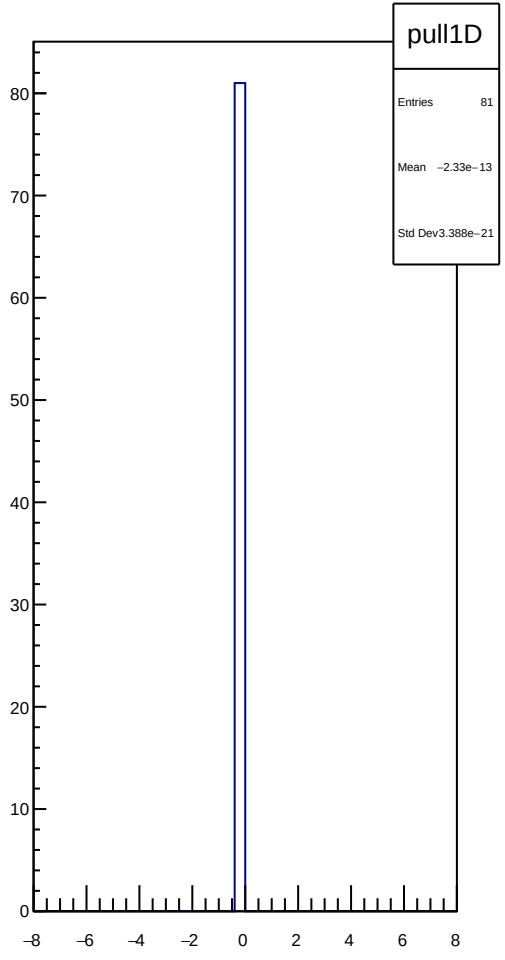

pull1D
Entries 81
Mean 2.59e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

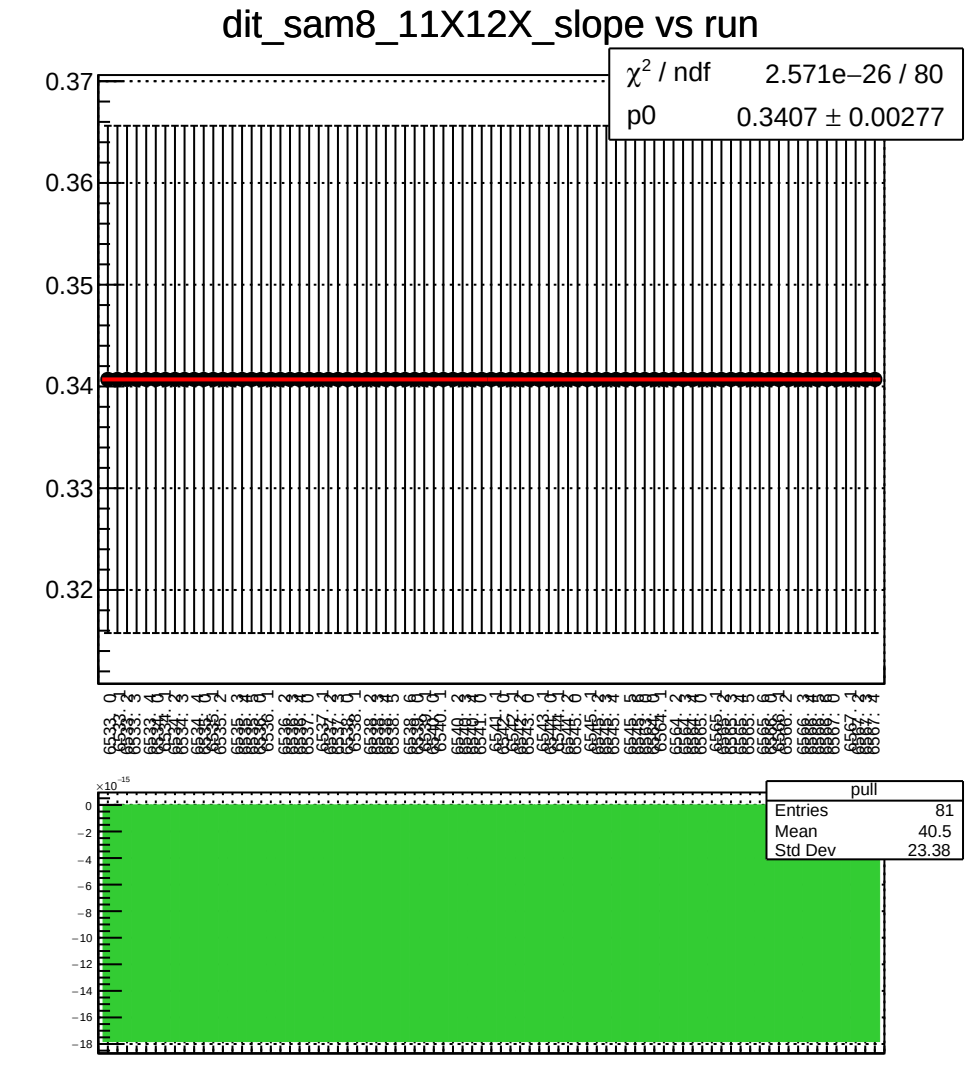

dit_sam7_4aY_slope vs run
χ² / ndf 1.443e−25 / 80
p0 6.849 ± 0.009351
6.95
6.9
6.85
6.8
6.75
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 4.221e−14
Std Dev1.694e−21

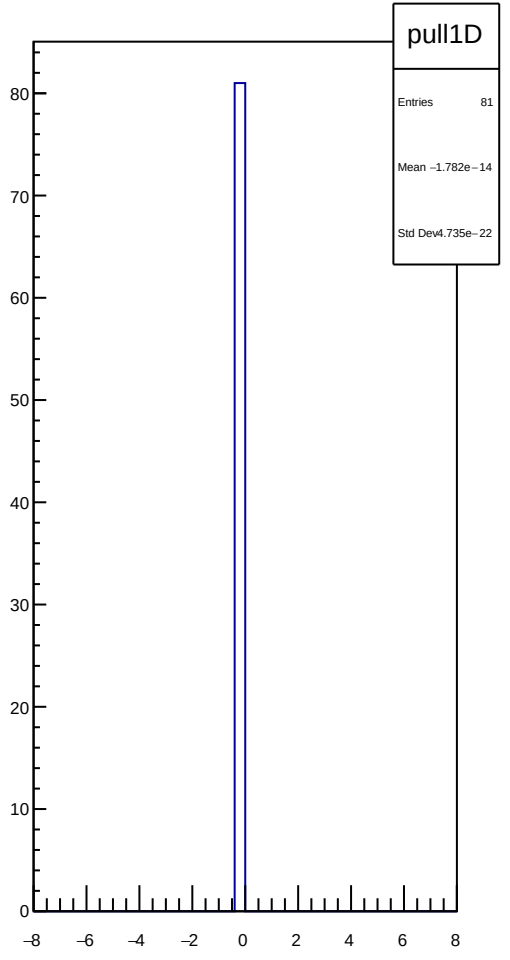

dit_sam7_4eY_slope vs run
χ² / ndf 8.011e−25 / 80
p0 −12.46 ± 0.01786
−12.3
−12.35
−12.4
−12.45
−12.5
−12.55
−12.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 81
Mean −9.945e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

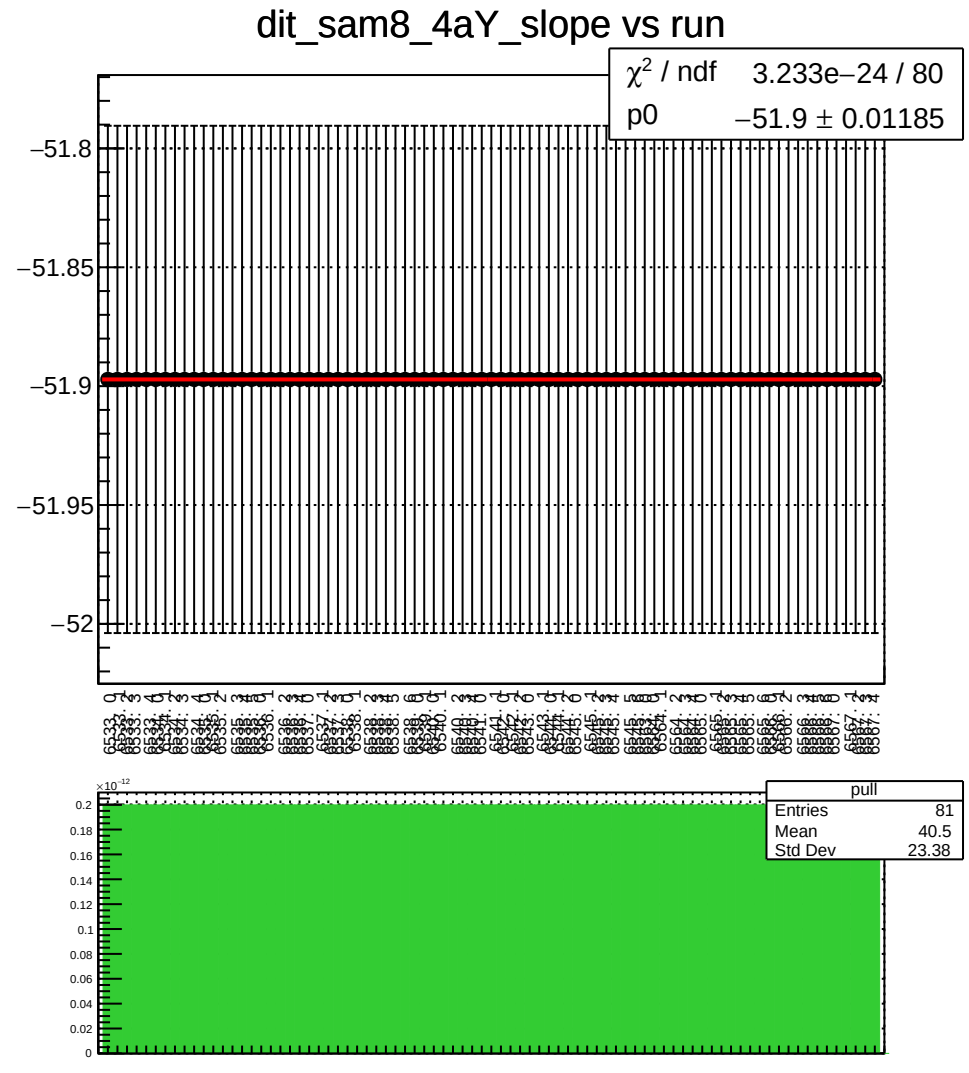

dit_sam8_4aX_slope vs run
χ² / ndf 1.587e−25 / 80
p0 26.56 ± 0.05352
27
26.8
26.6
26.4
26.2
26
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull1D
Entries 81
Mean 4.426e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

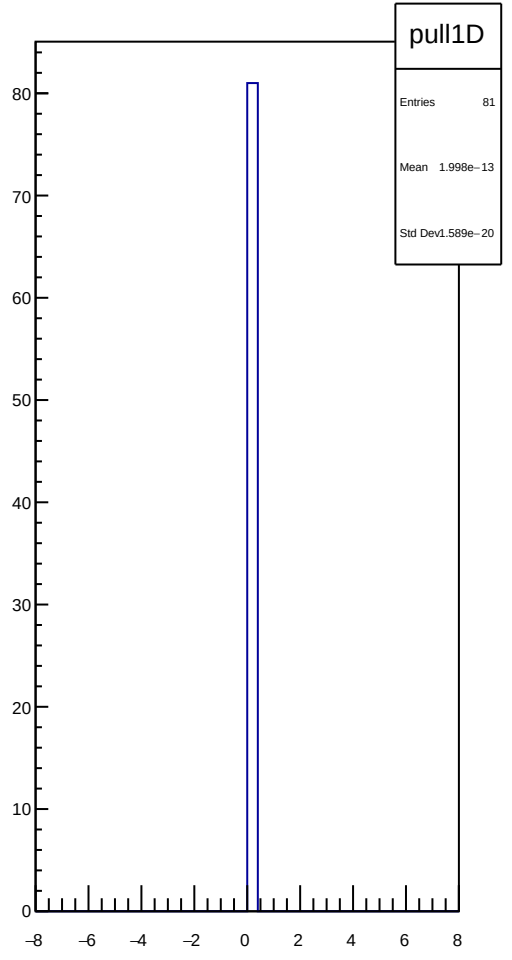

dit_sam8_4eX_slope vs run
χ² / ndf 4.396e−24 / 80
p0 −58.6 ± 0.08811
−57.8
−58
−58.2
−58.4
−58.6
−58.8
−59
−59.2
−59.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2


pull1D
Entries 81
Mean −2.33e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_11X12X_slope vs run
χ² / ndf 2.571e−26 / 80
p0 0.3407 ± 0.00277
0.37
0.36
0.35
0.34
0.33
0.32
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18


pull1D
Entries 81
Mean −1.782e−14
Std Dev 4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aY_slope vs run
χ^2 / ndf 3.233e−24 / 80
p0 −51.9 ± 0.01185
−51.8
−51.85
−51.9
−51.95
−52
pull
Entries 81
Mean 40.5
Std Dev 23.38
×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 81
Mean 1.998e−13
Std Dev 1.589e−20
80
70
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50
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30
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10
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−6
−4
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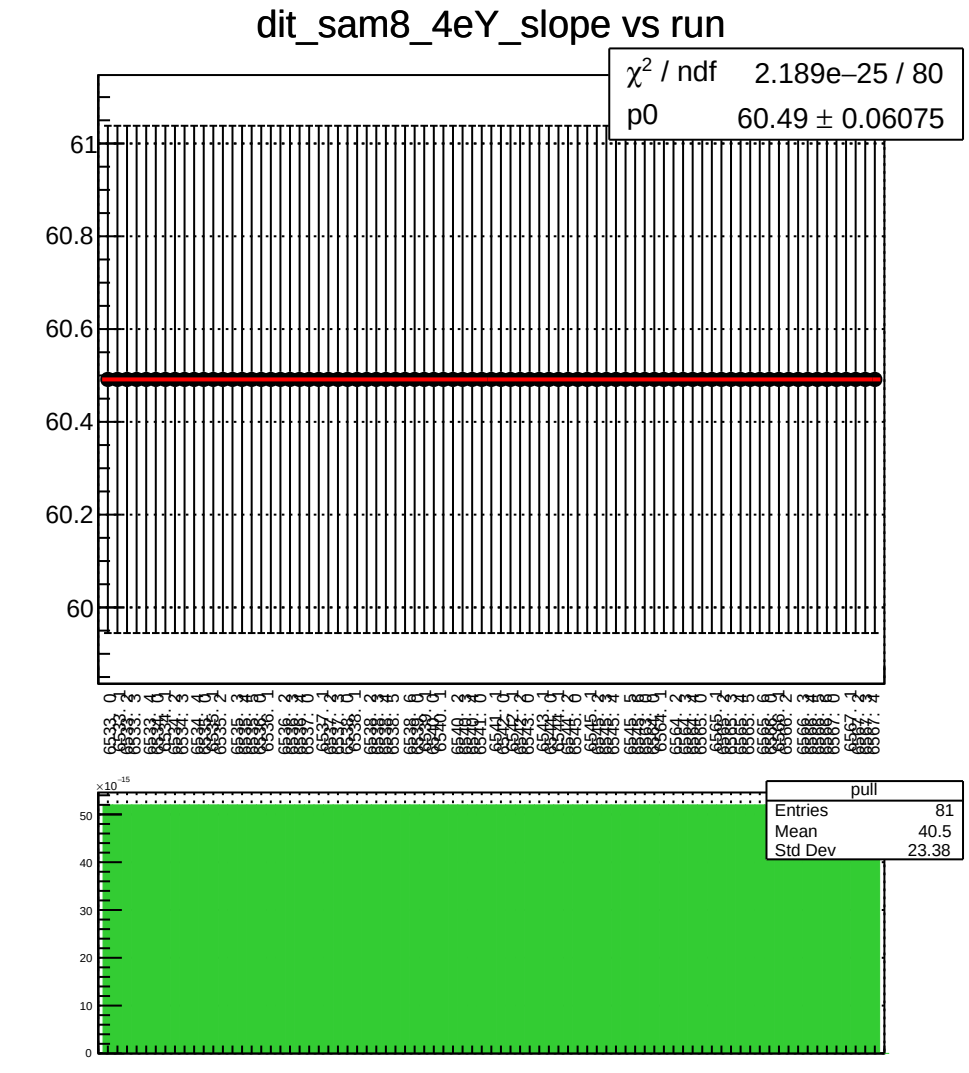
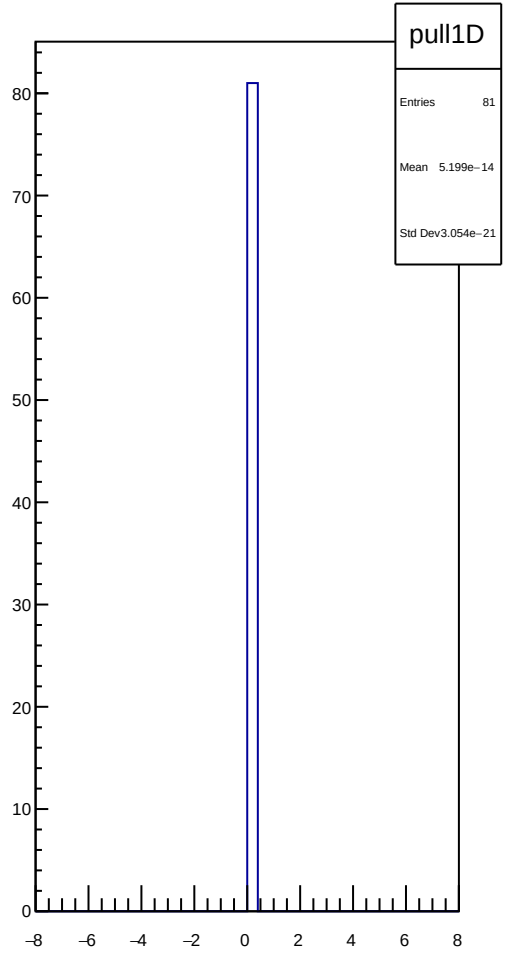
8


dit_sam8_4eY_slope vs run
χ² / ndf 2.189e−25 / 80
p0 60.49 ± 0.06075
61
60.8
60.6
60.4
60.2
60
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 81
Mean 40.5
Std Dev 23.38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Std Dev3.054e−21
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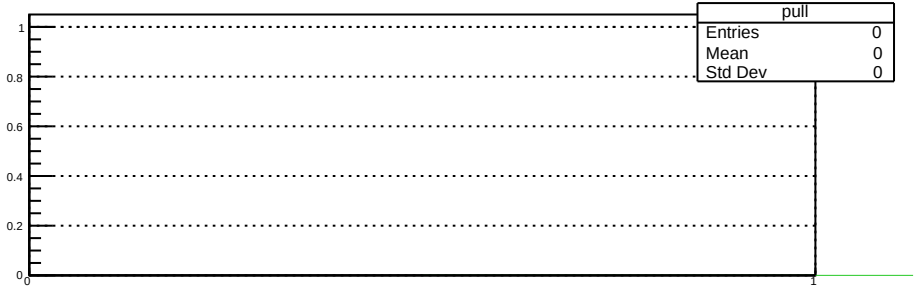
pull
Entries 0
Mean 0
Std Dev 0
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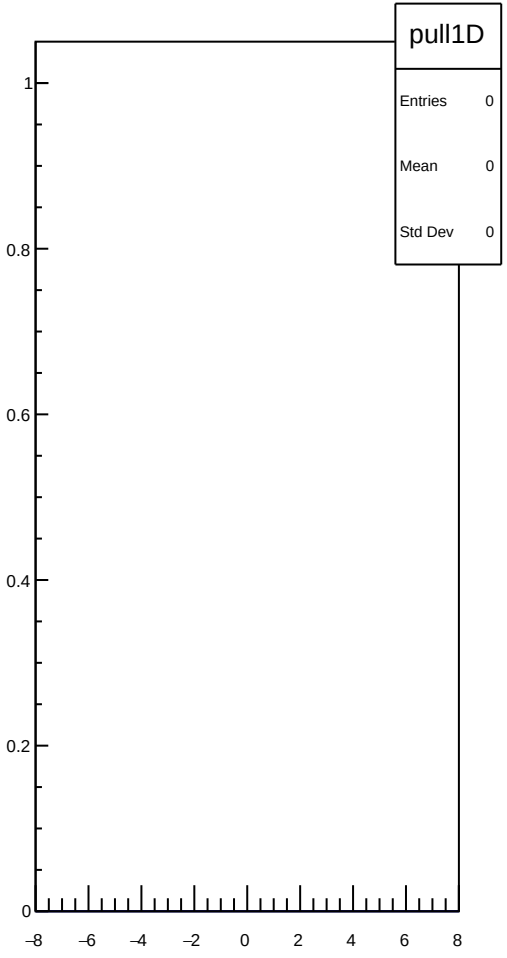
pull1D
Entries 0
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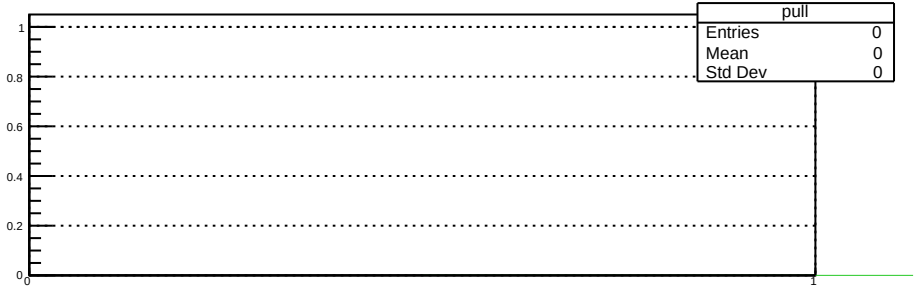
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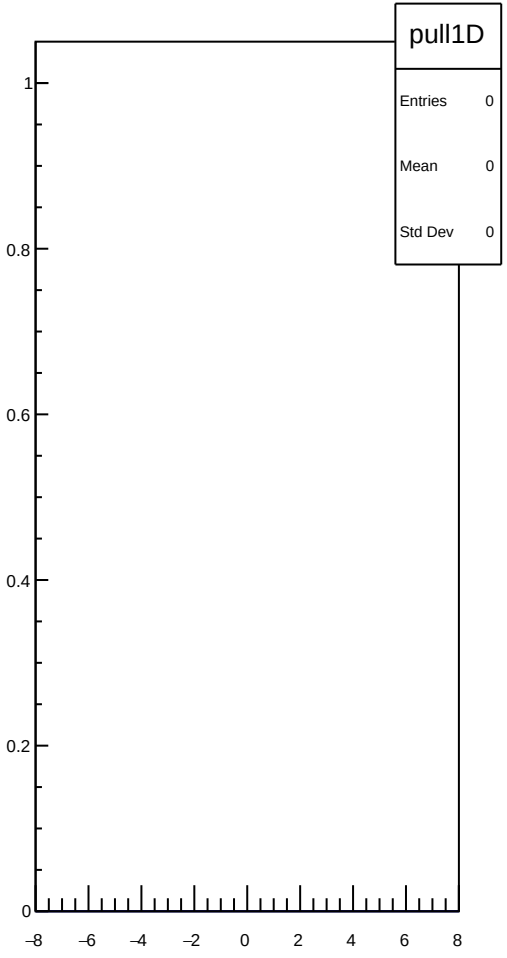
pull1D
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Mean 0
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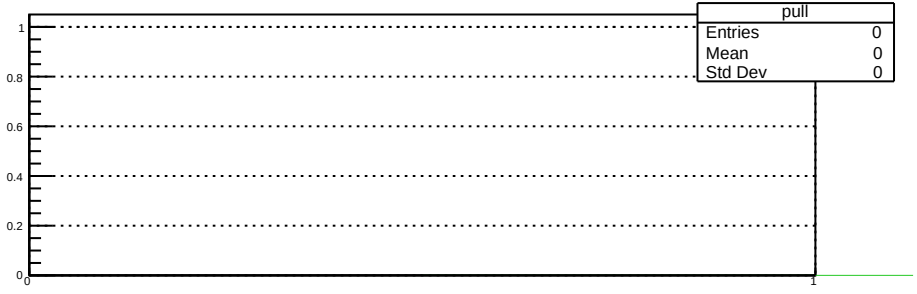
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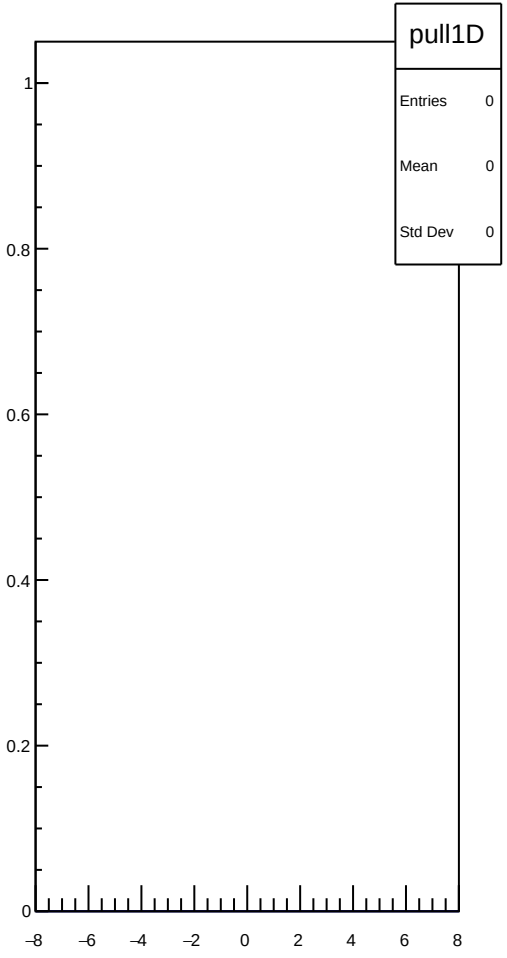
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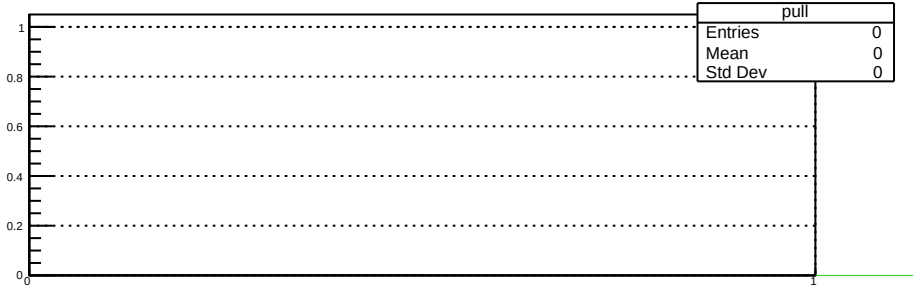
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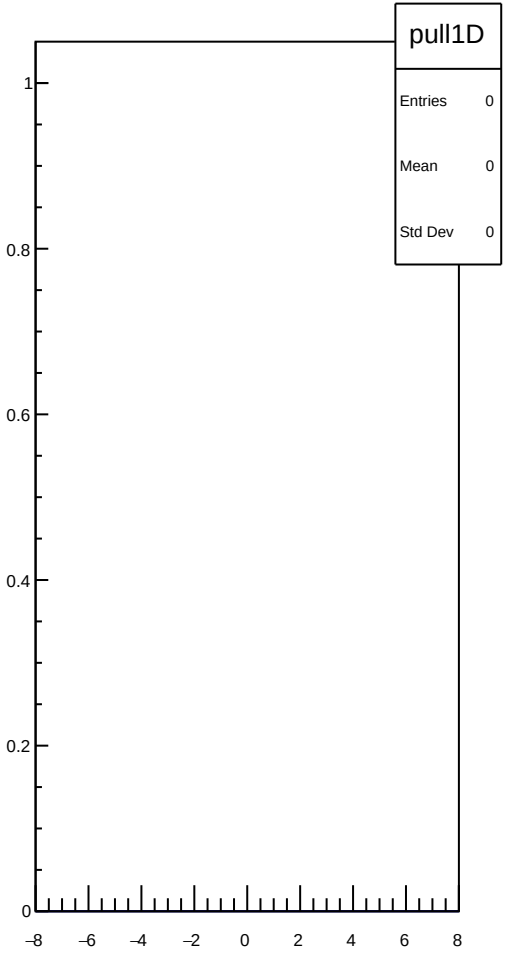
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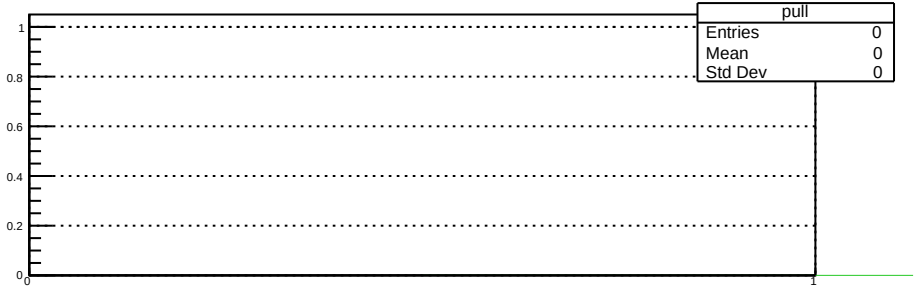
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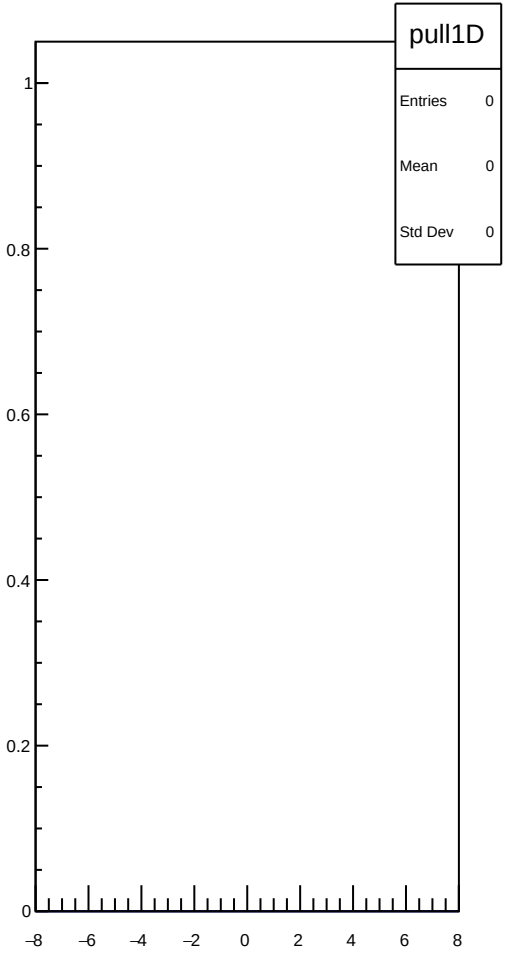
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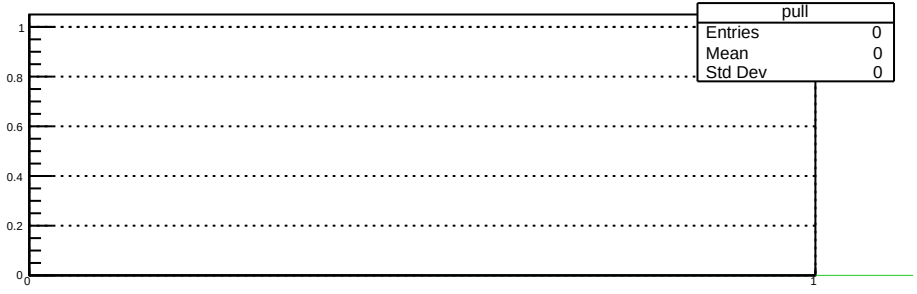
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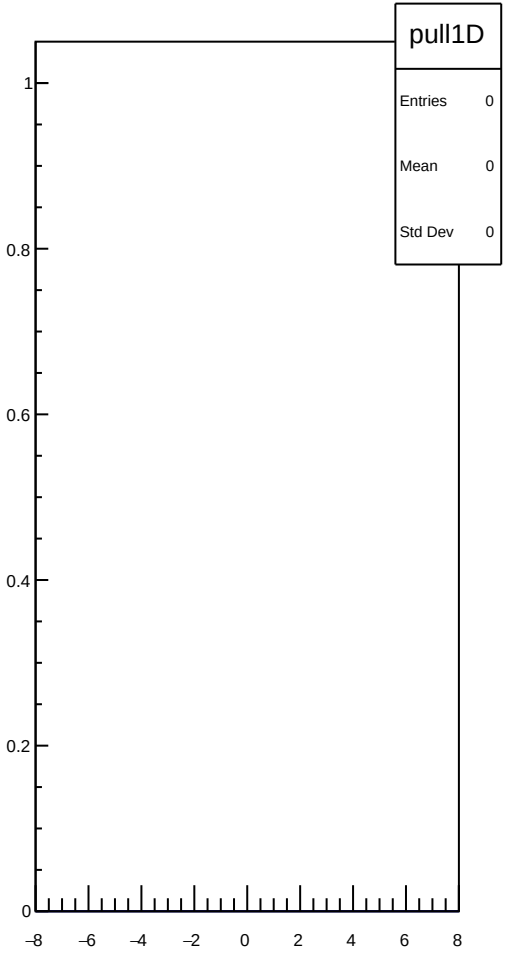
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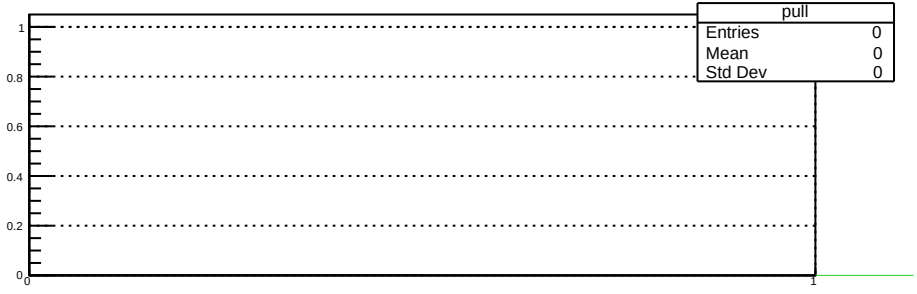
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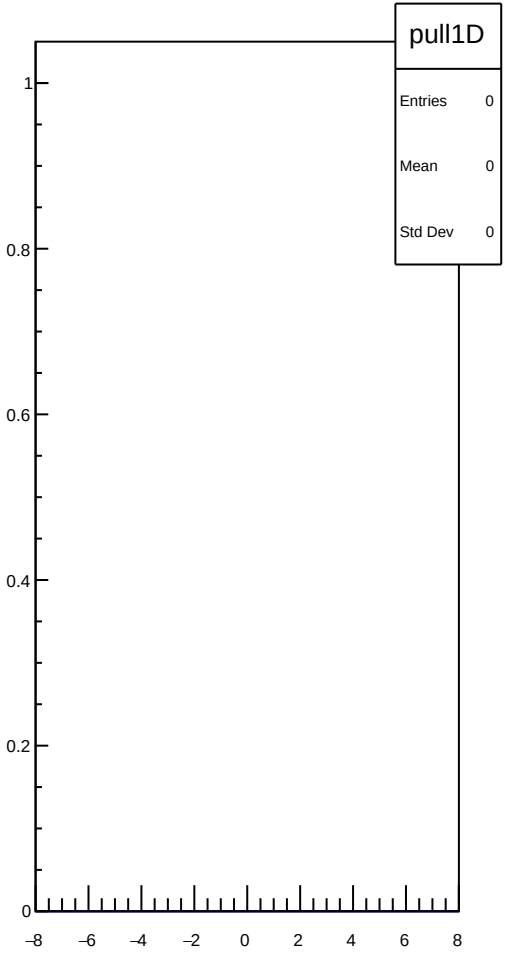
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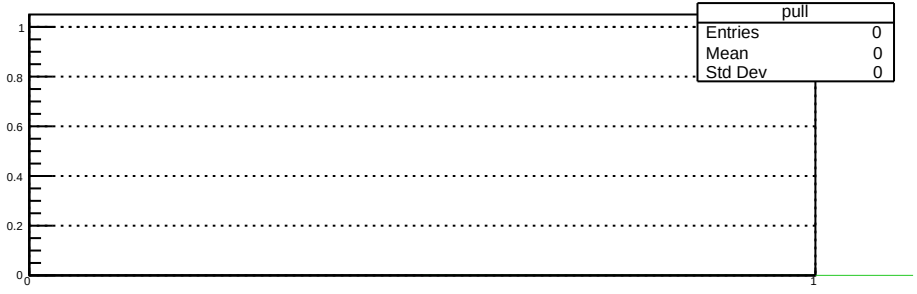
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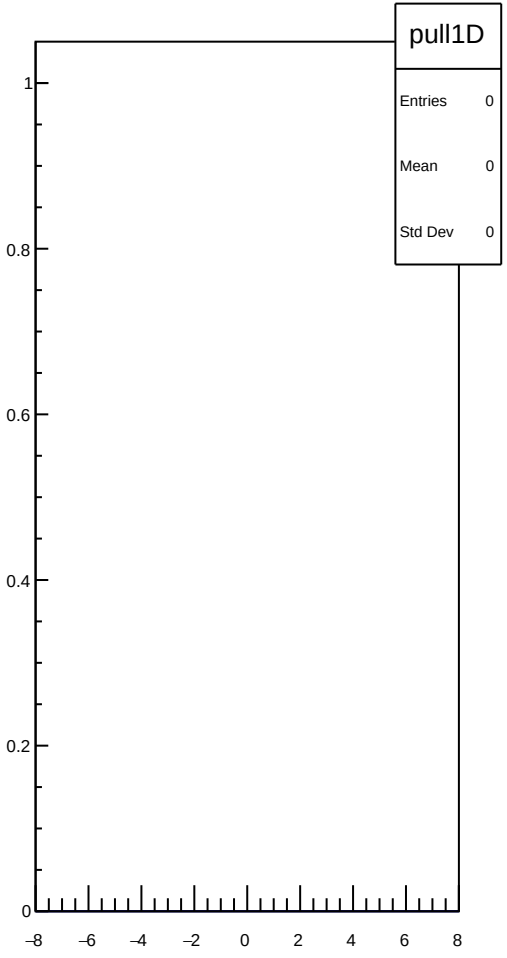
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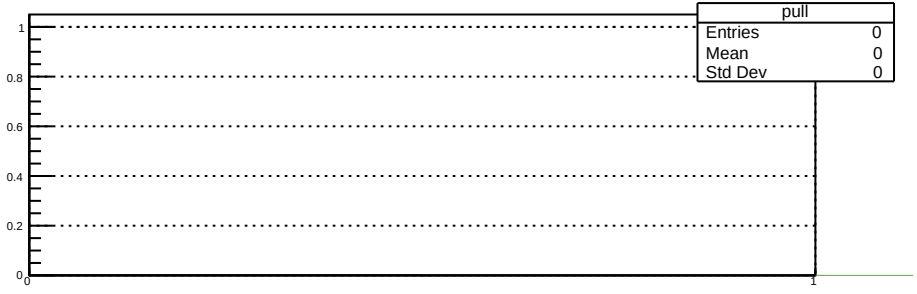
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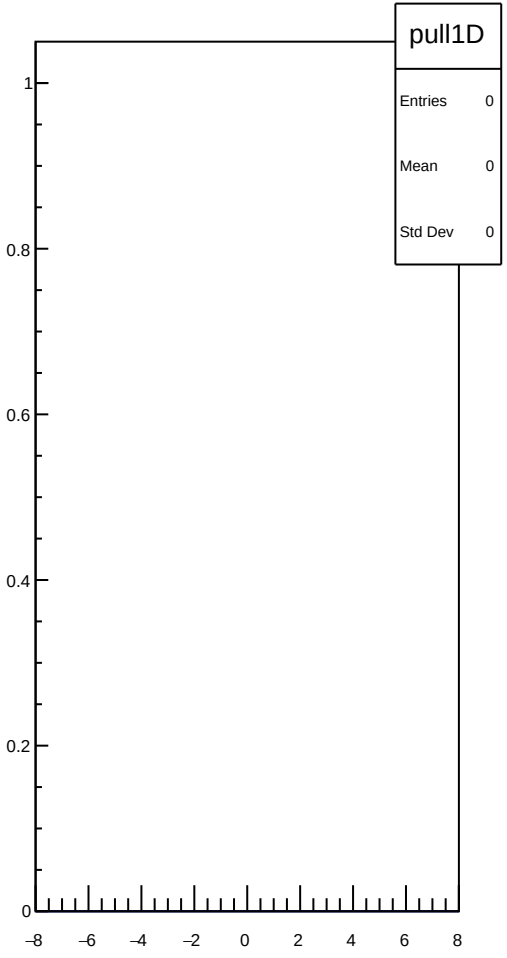
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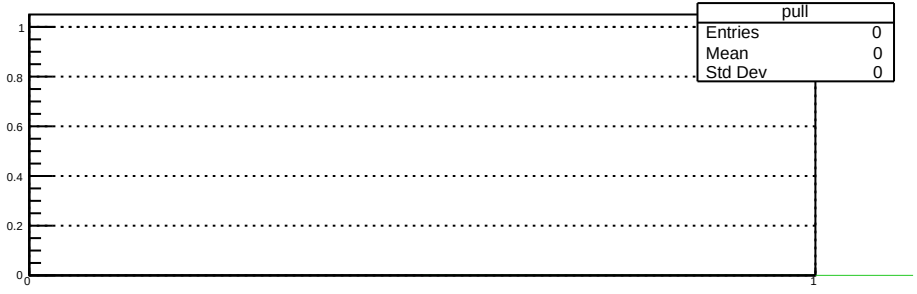
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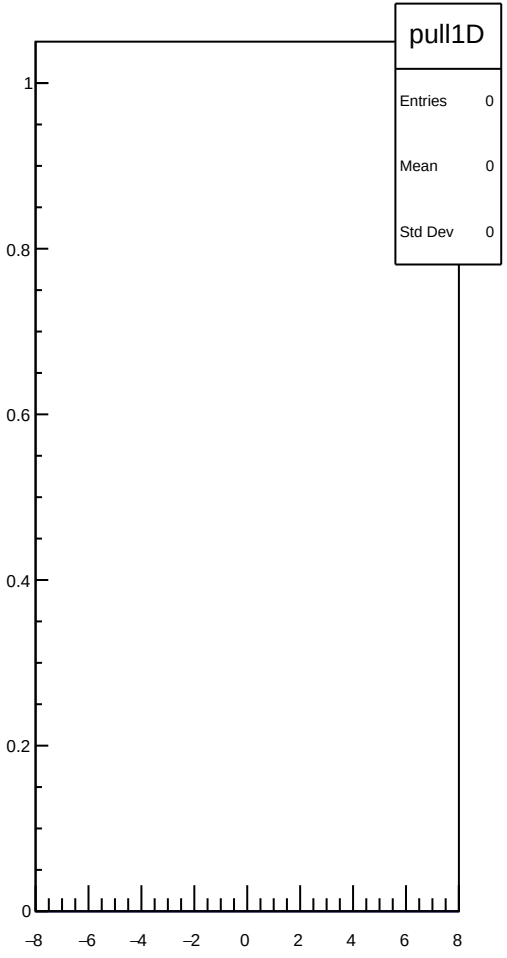
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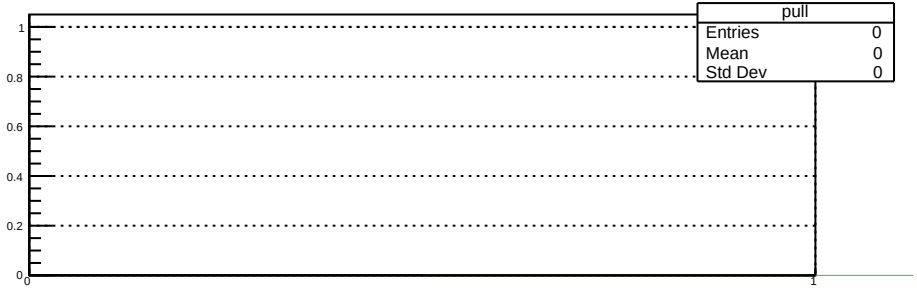
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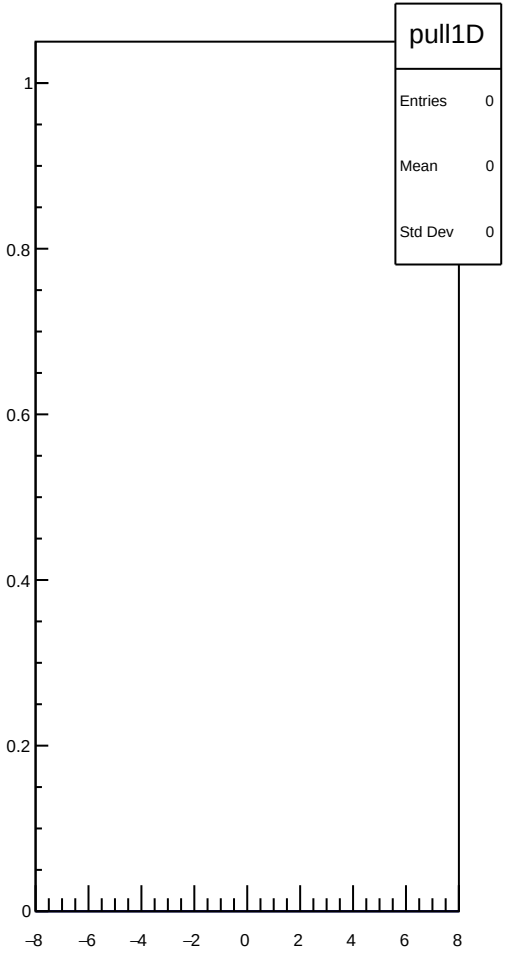
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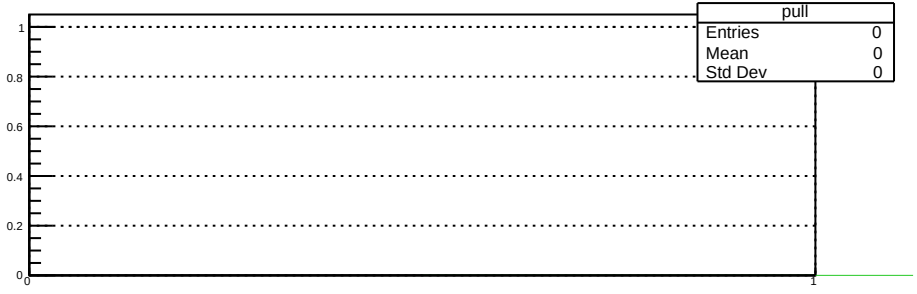
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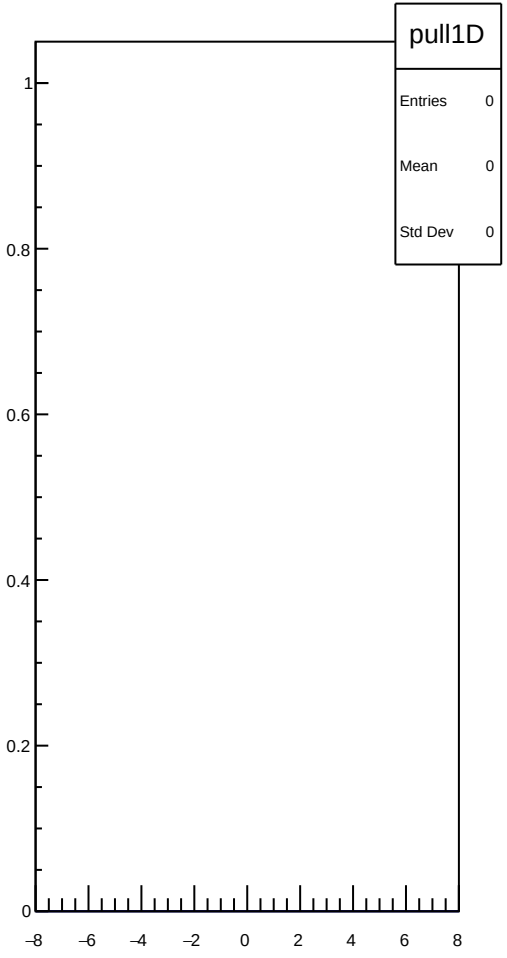
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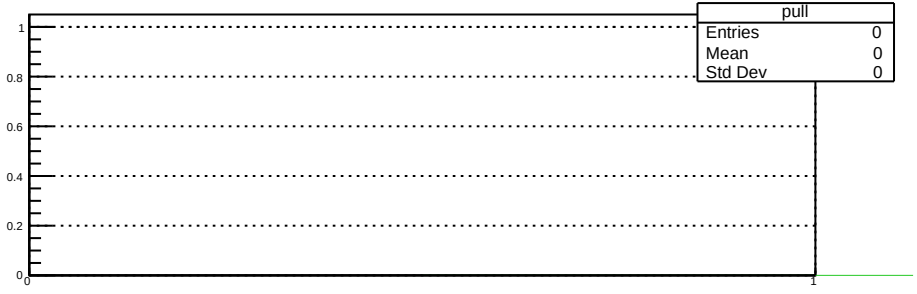
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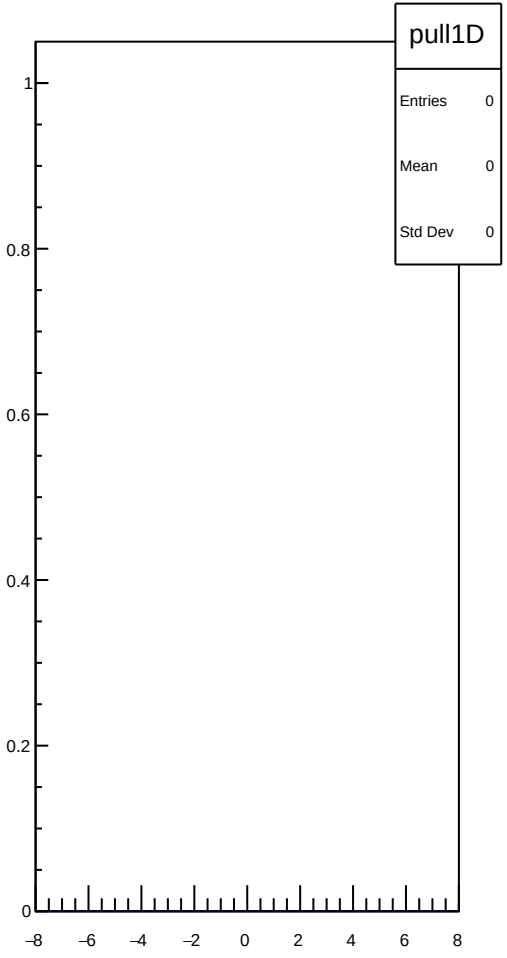
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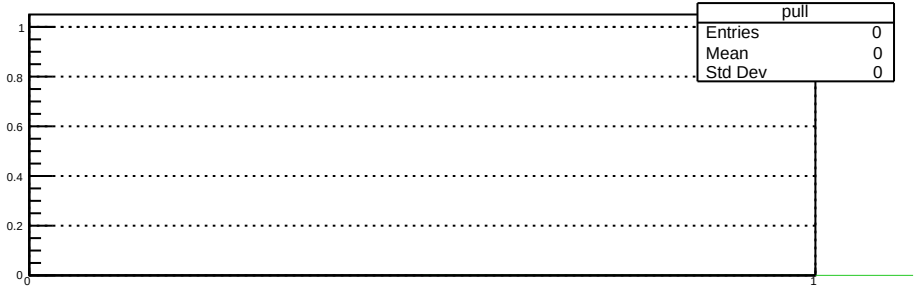
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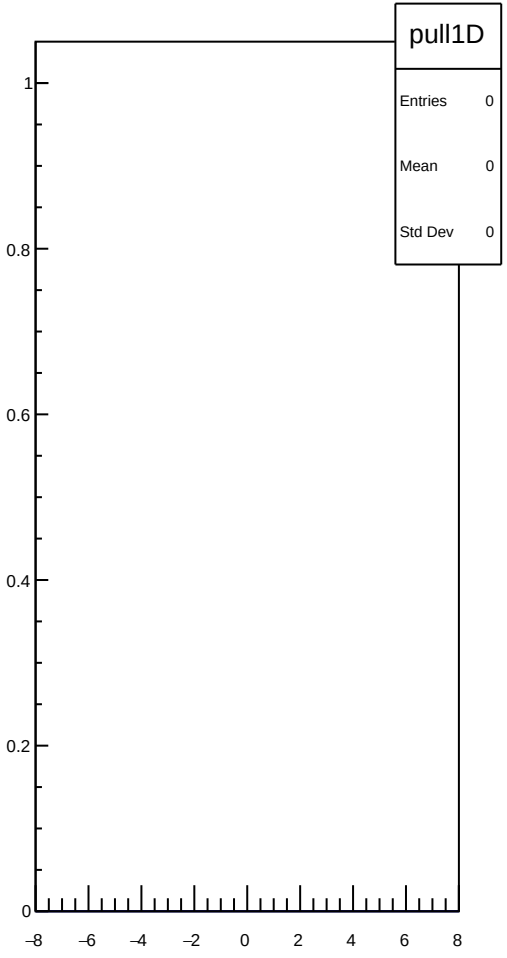
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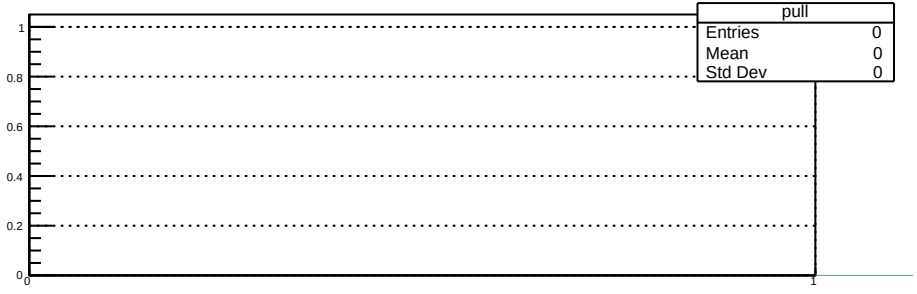
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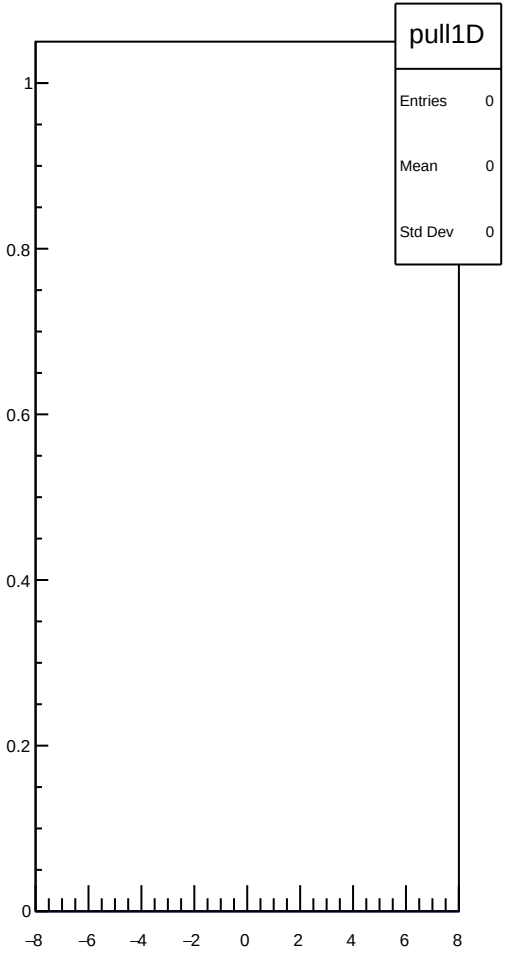
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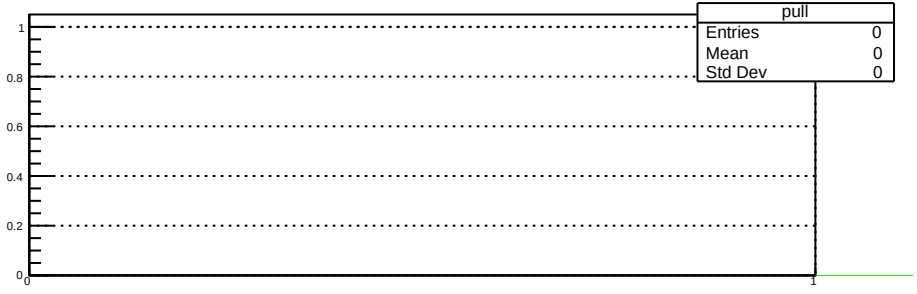
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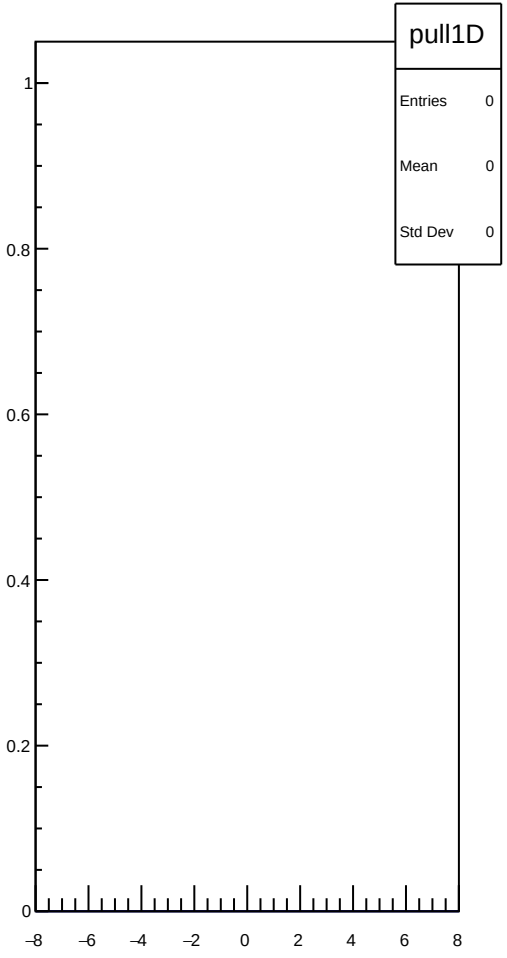
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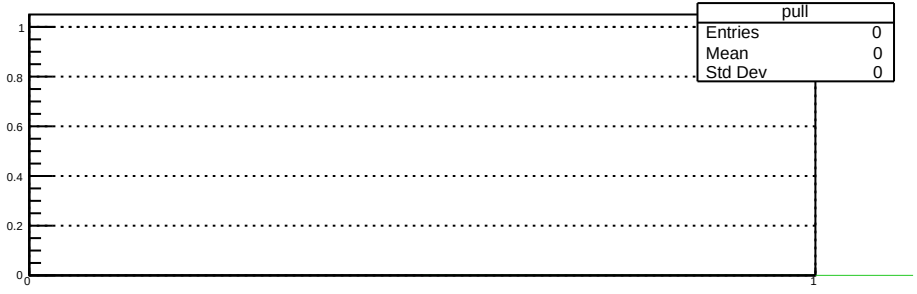
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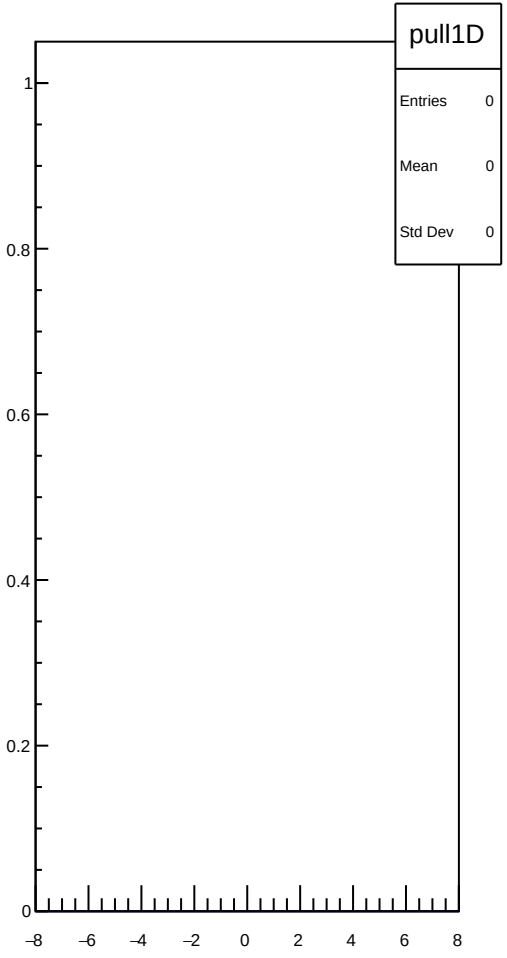
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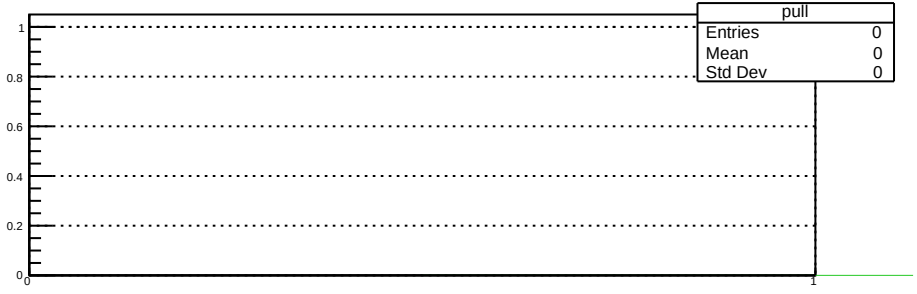
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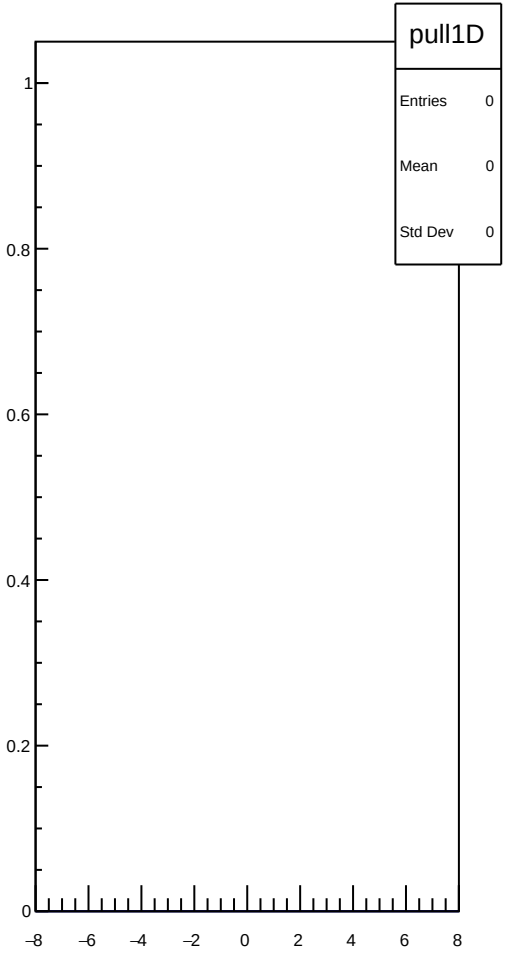
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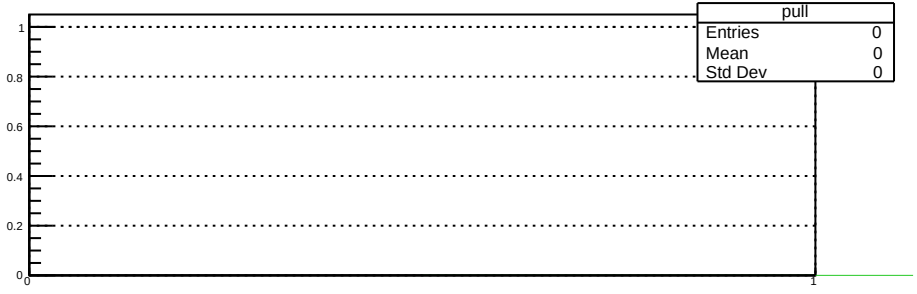
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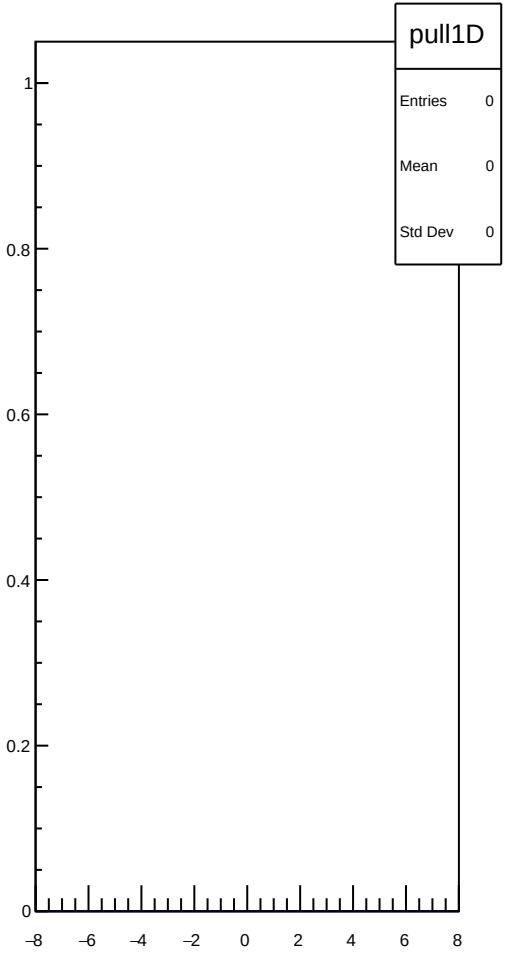
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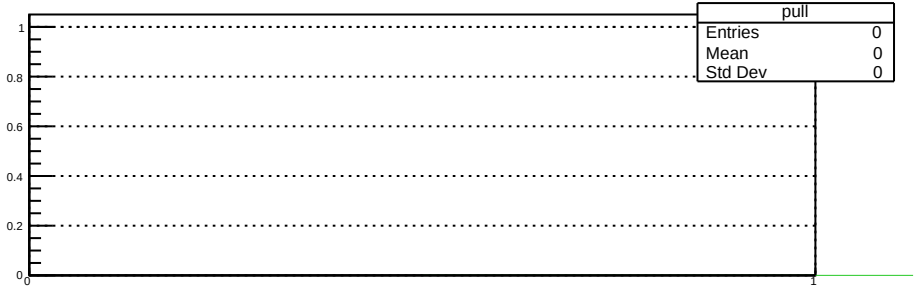
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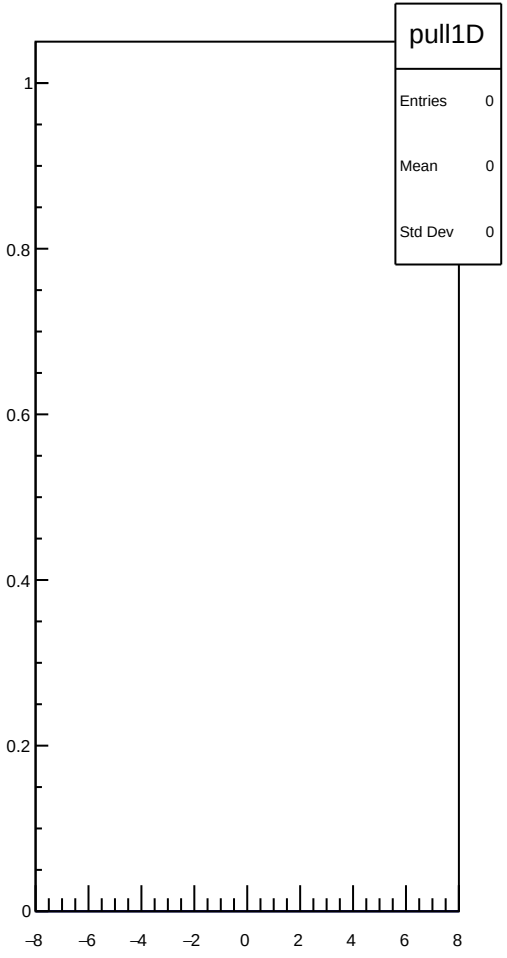
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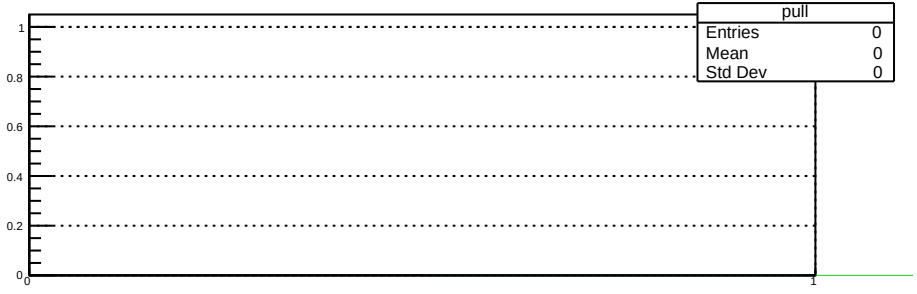
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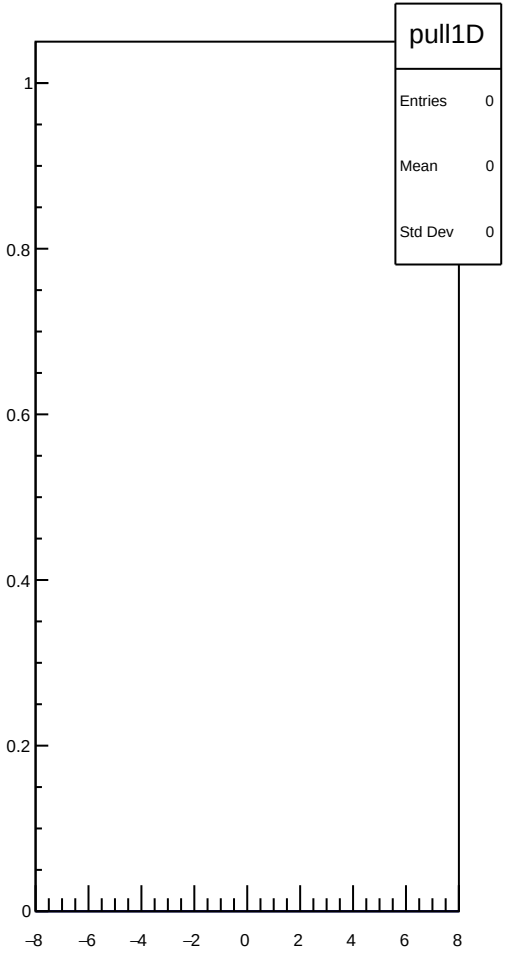
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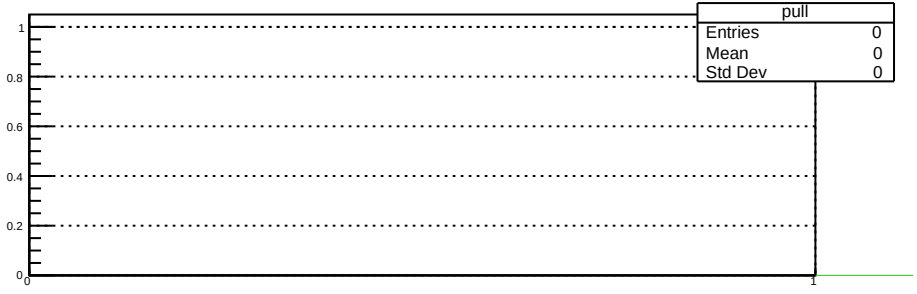
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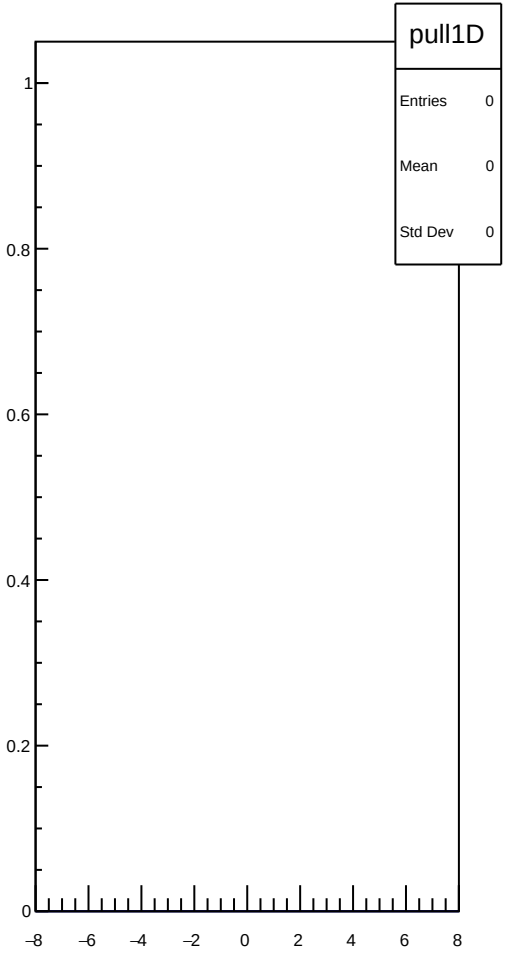
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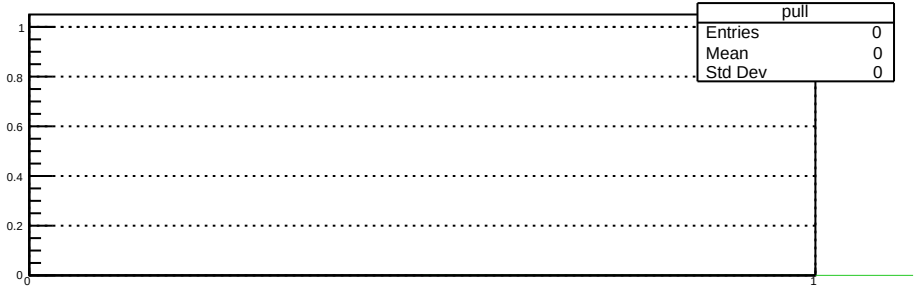
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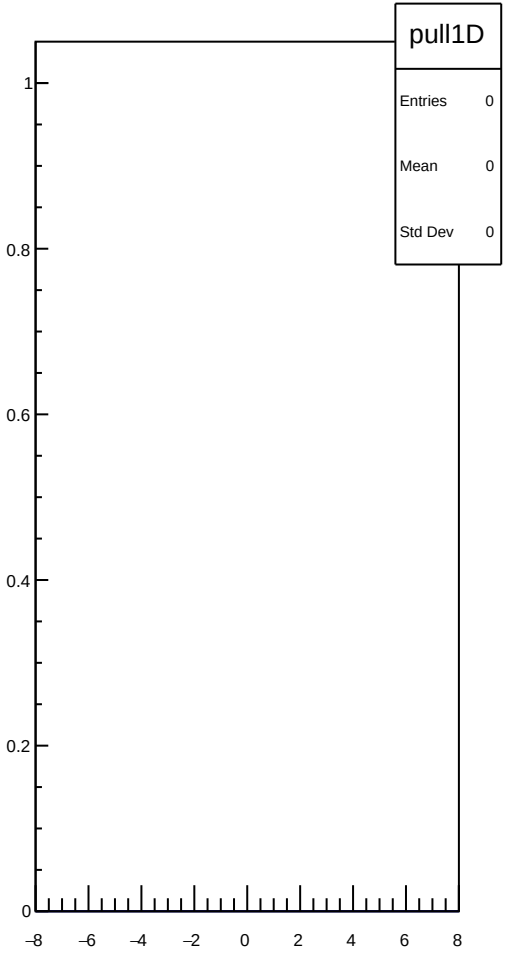
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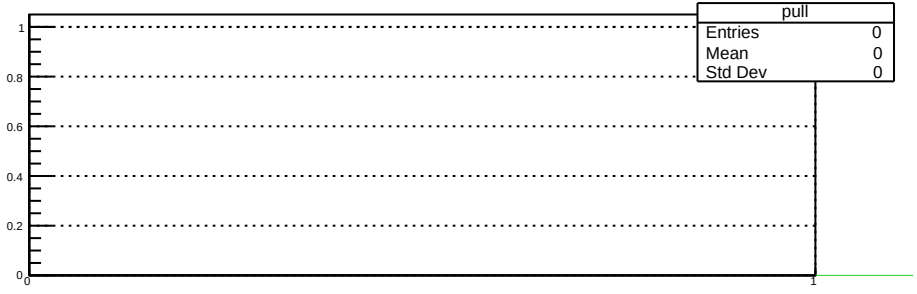
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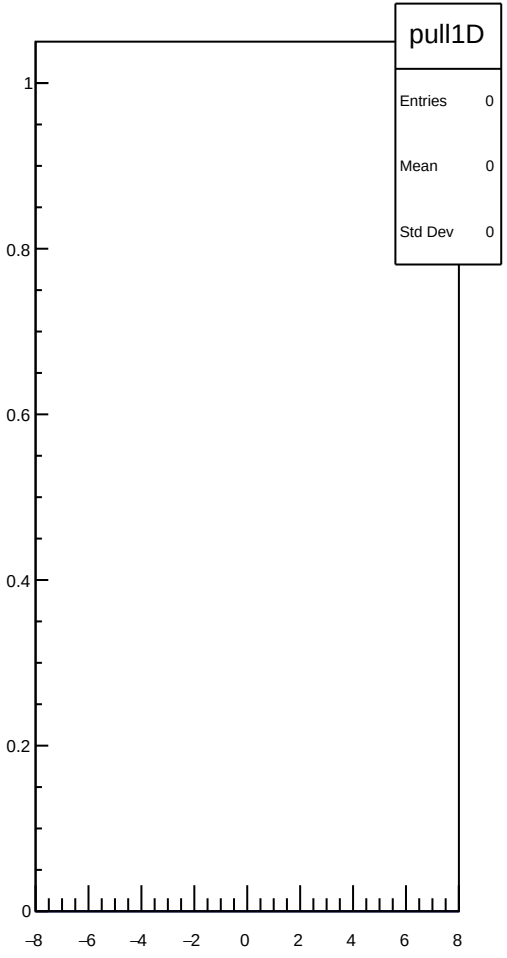
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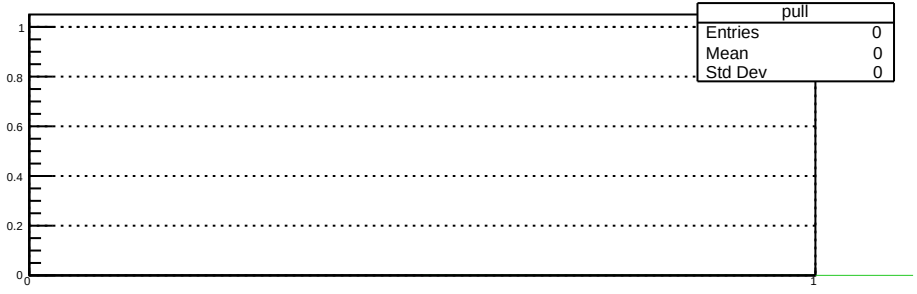
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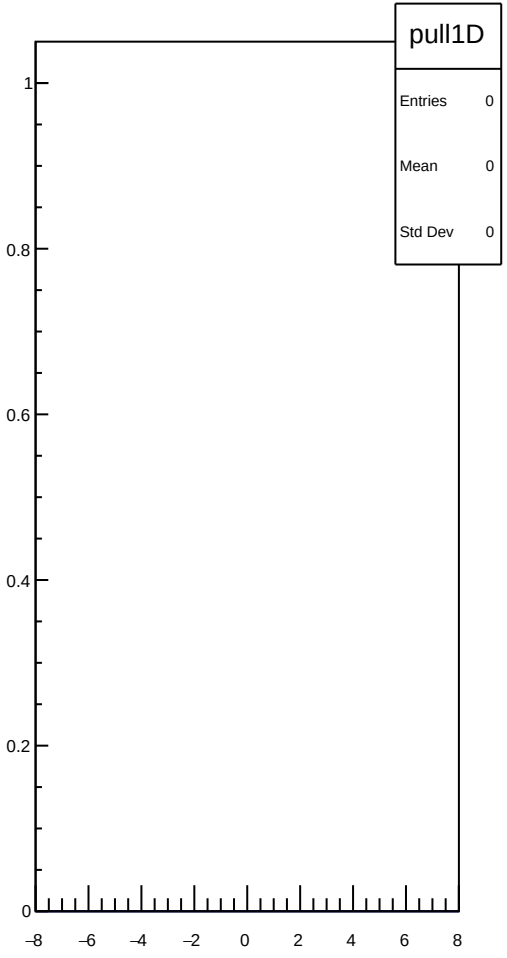
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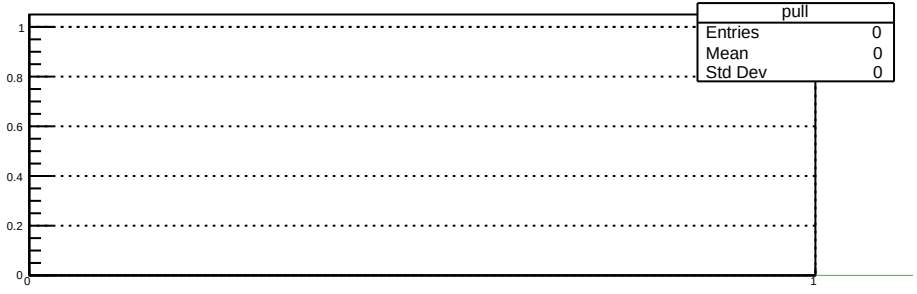
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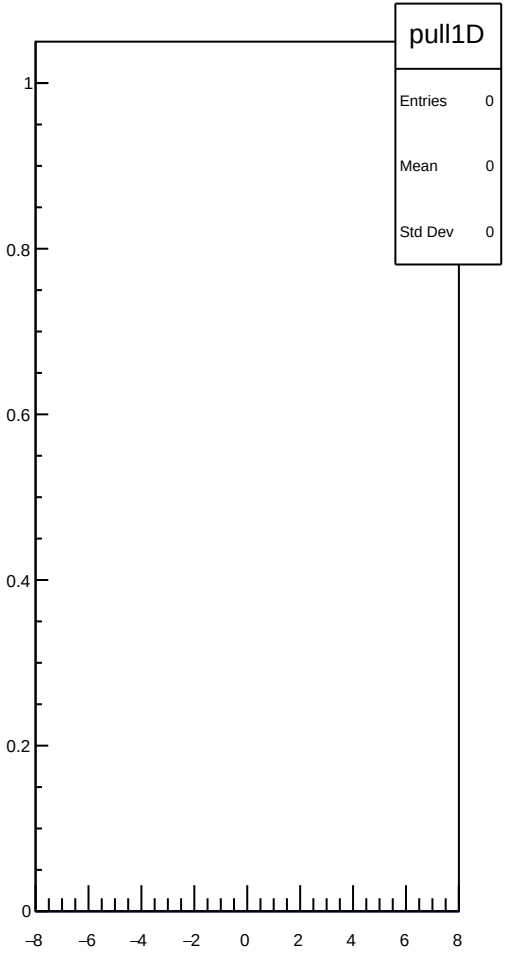
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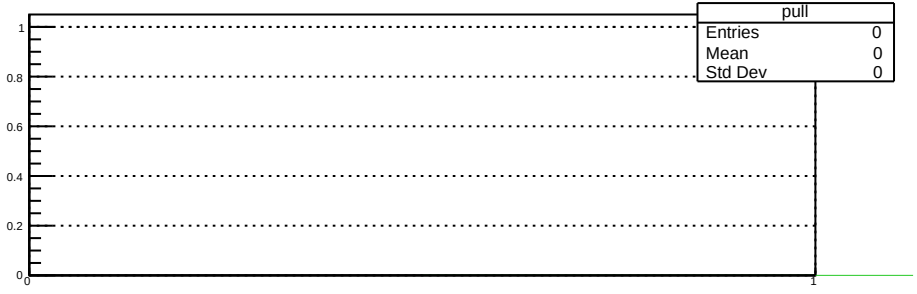
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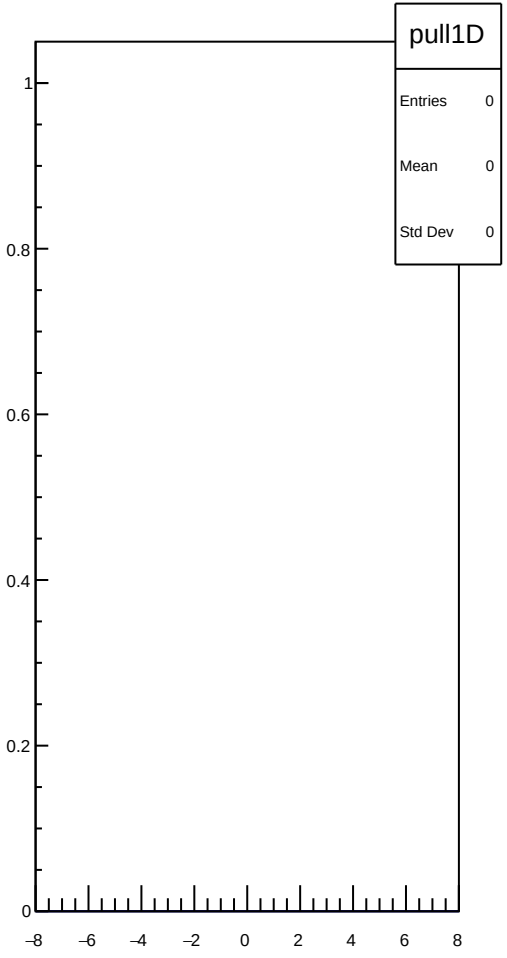
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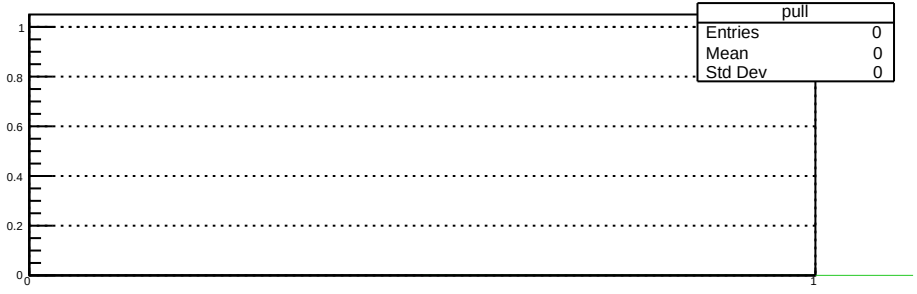
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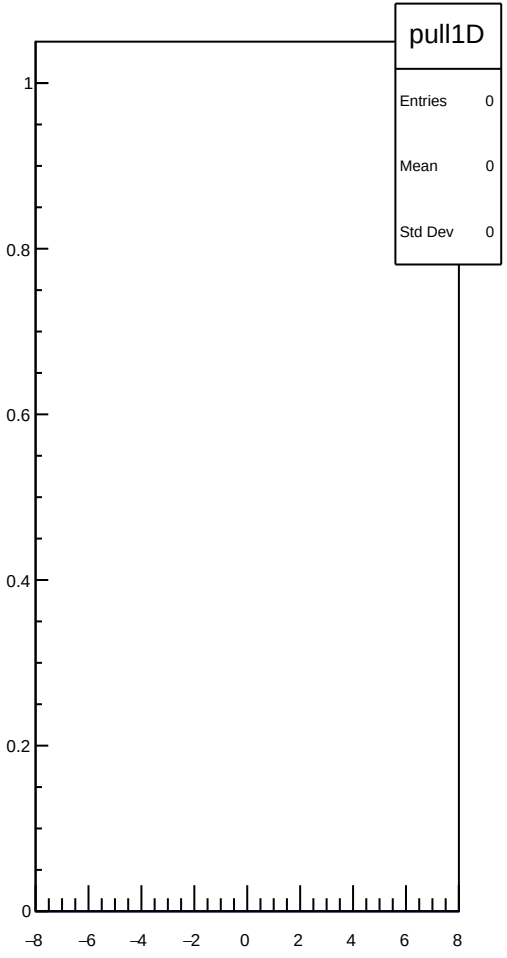
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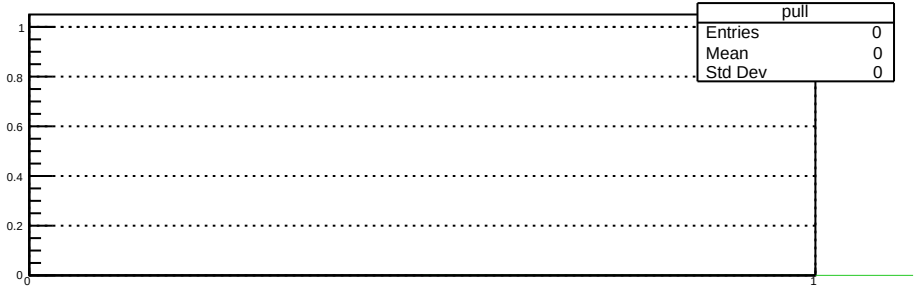
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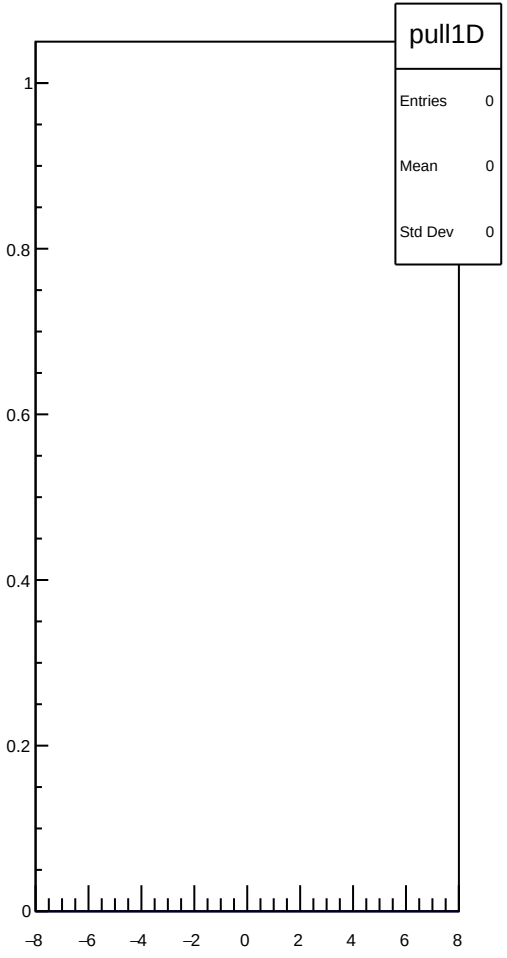
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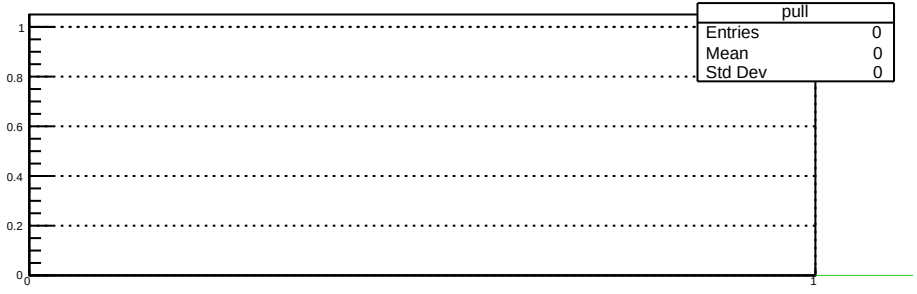
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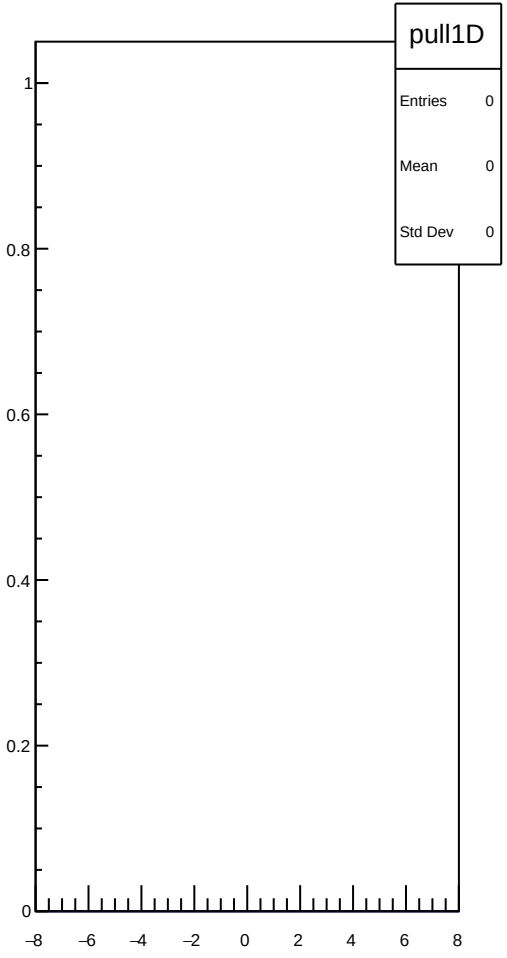
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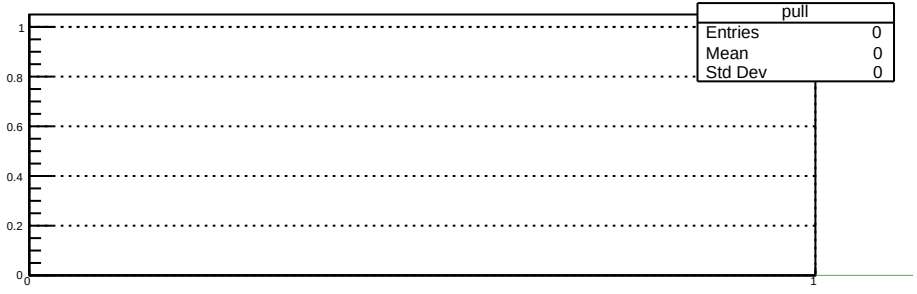
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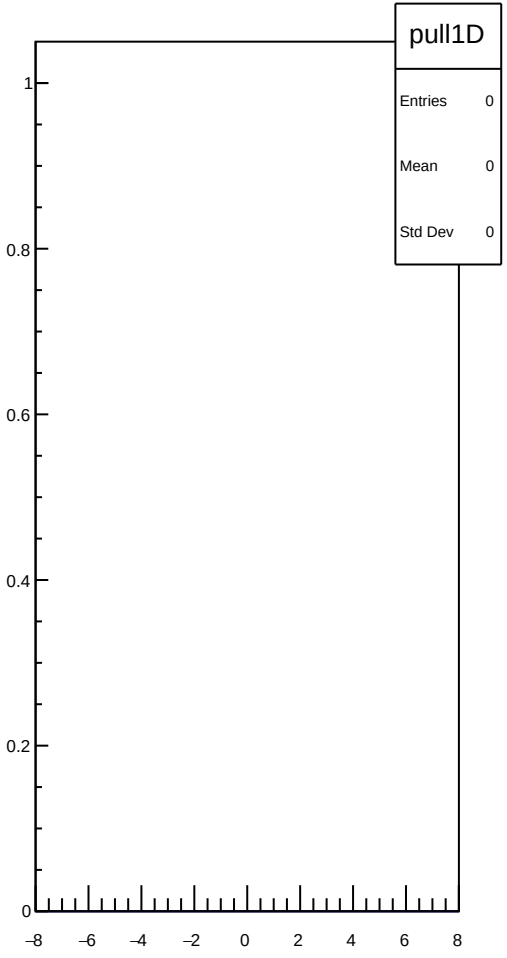
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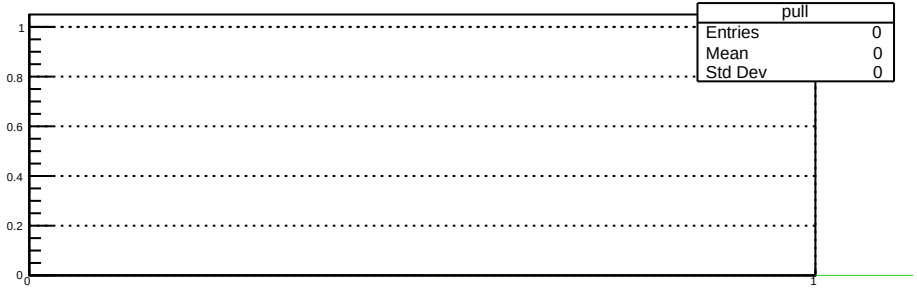
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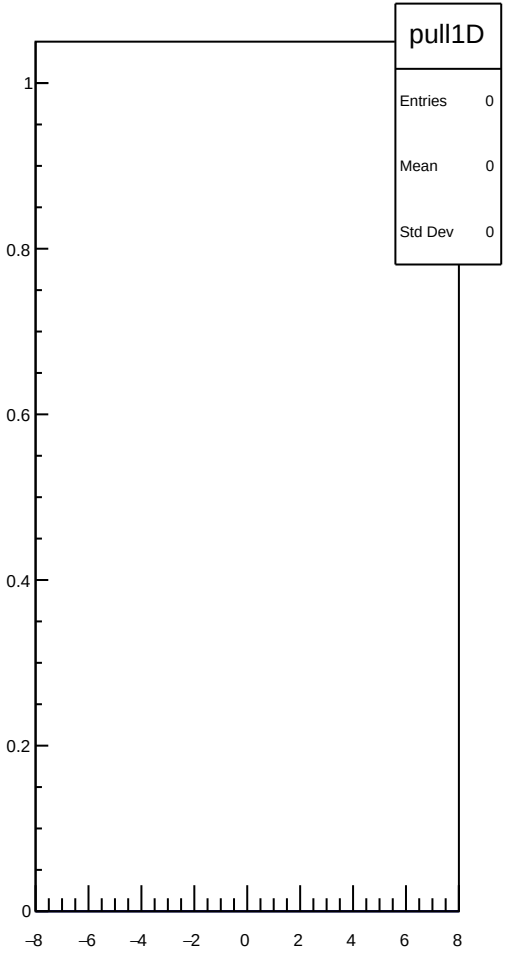
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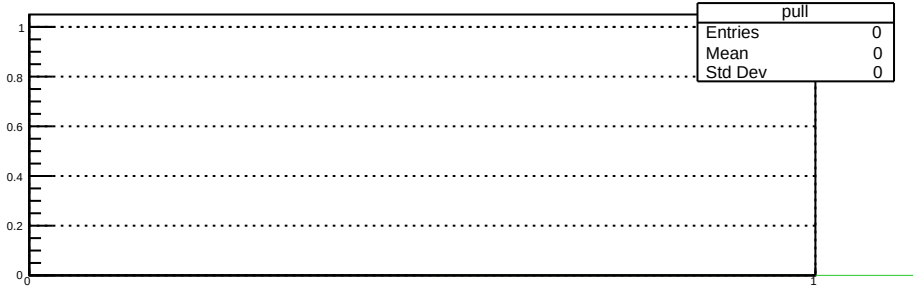
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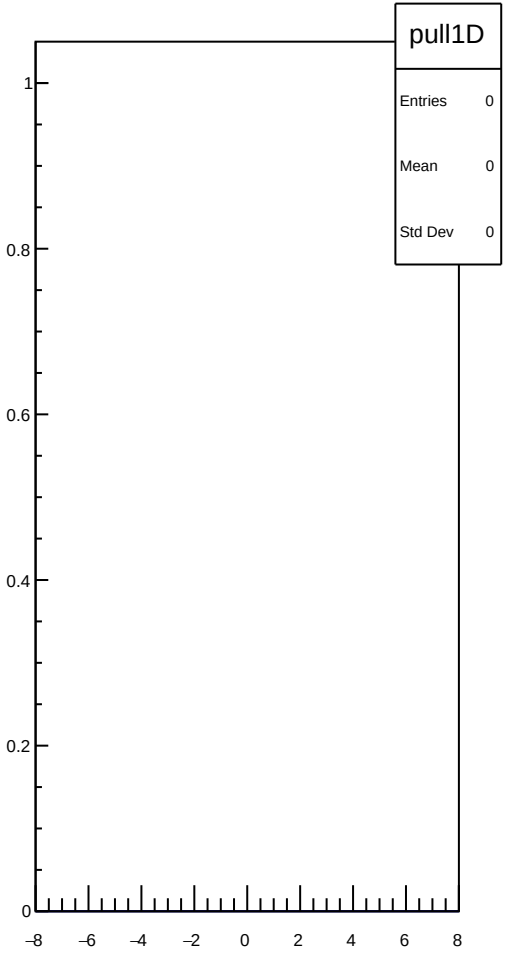
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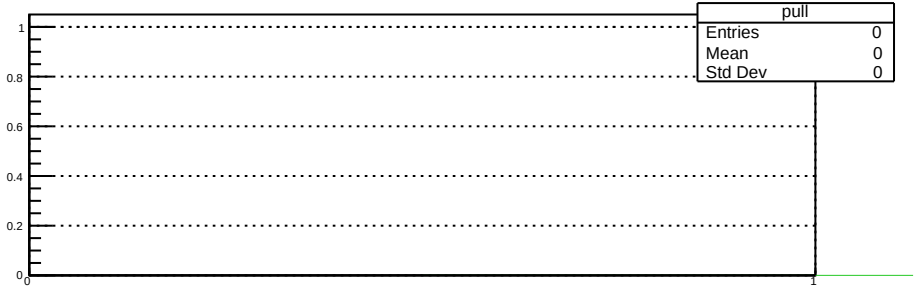
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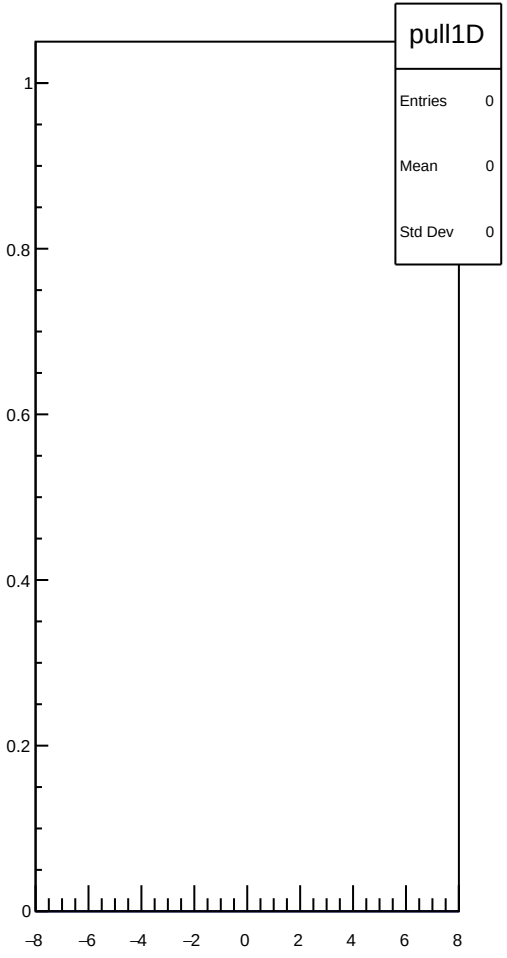
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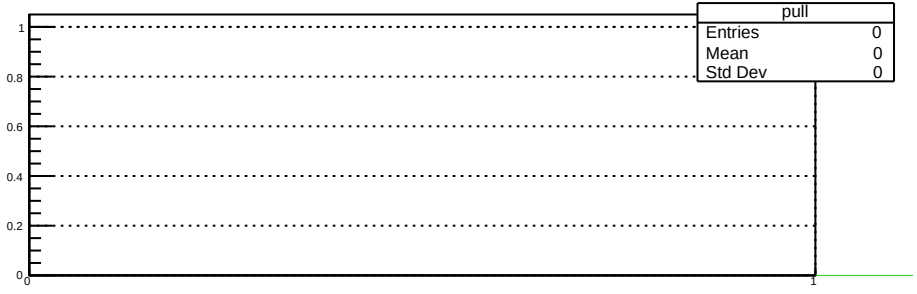
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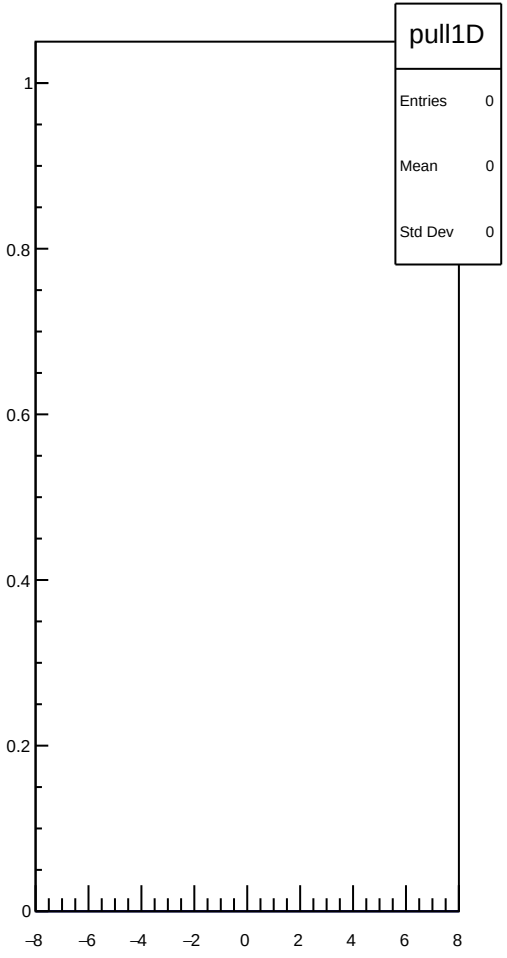
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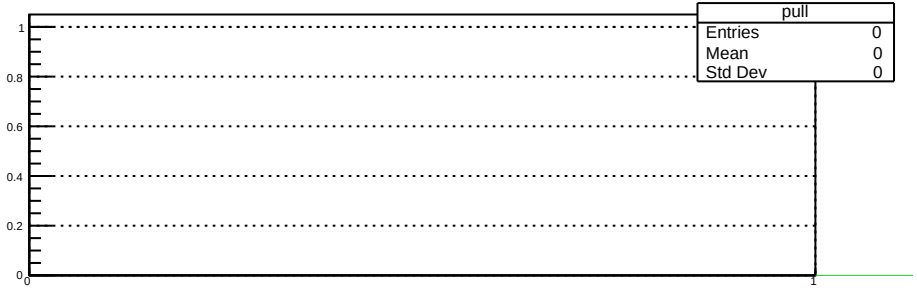
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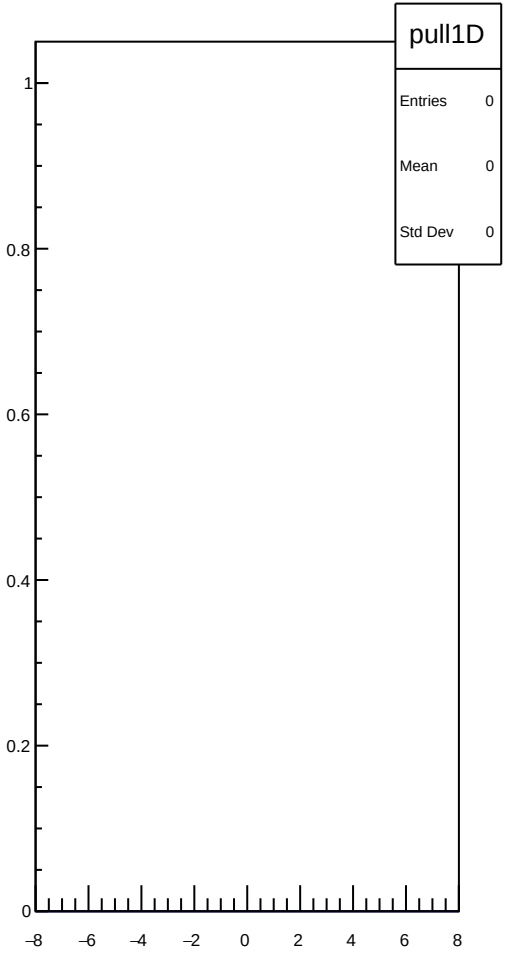
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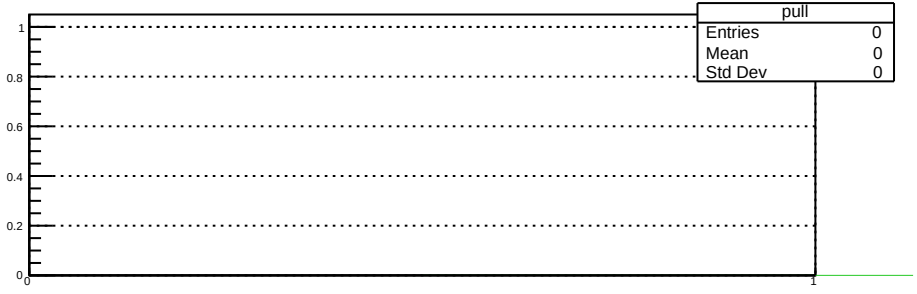
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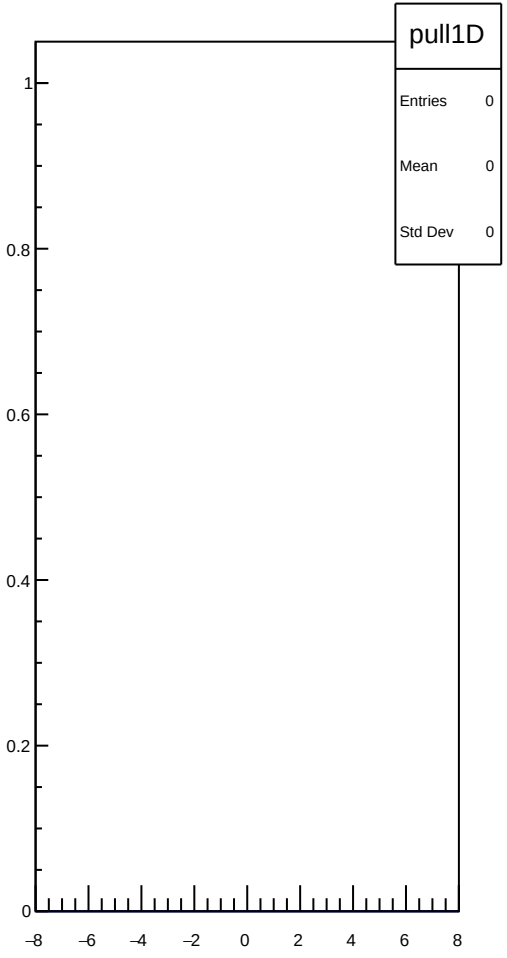
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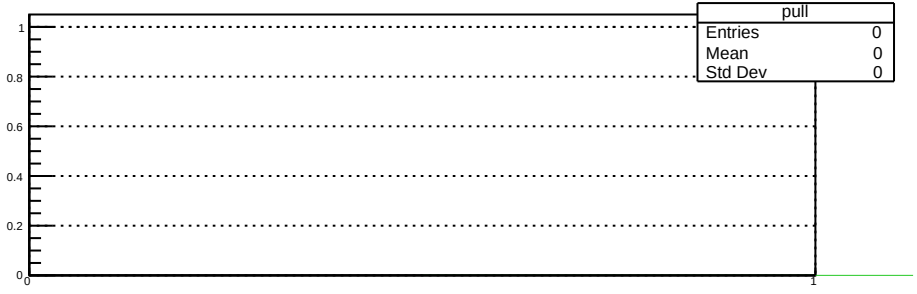
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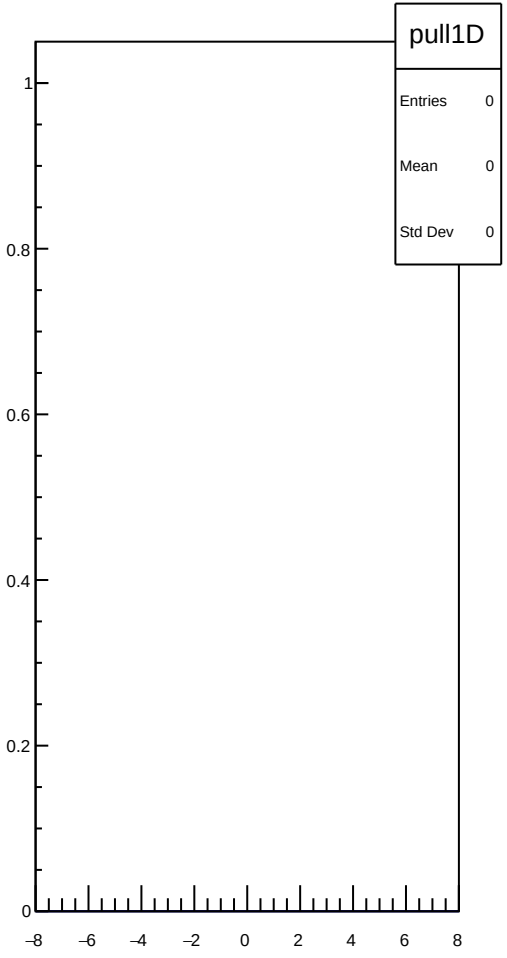
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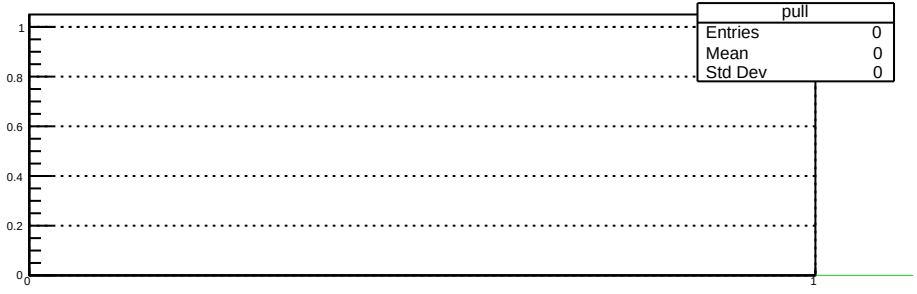
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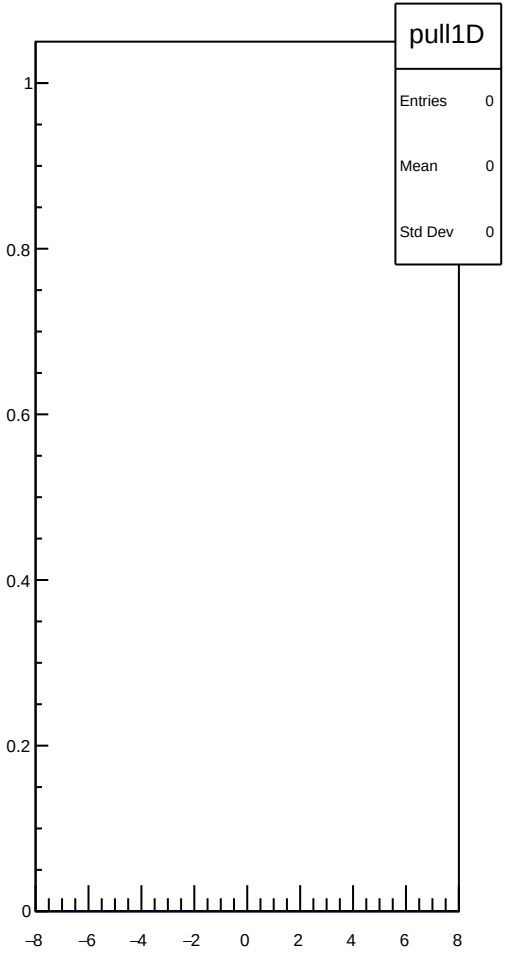
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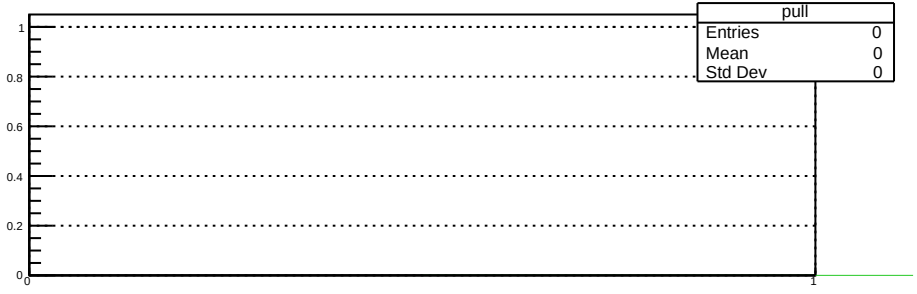
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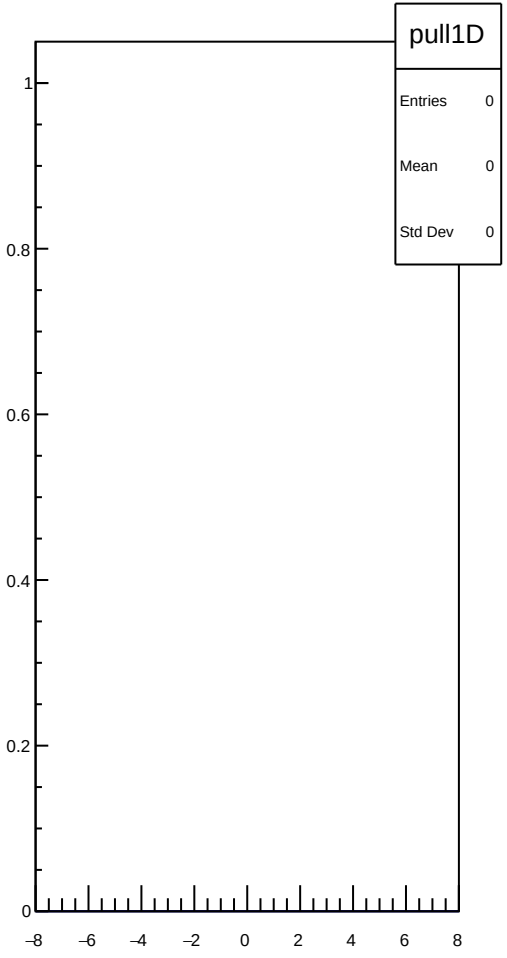
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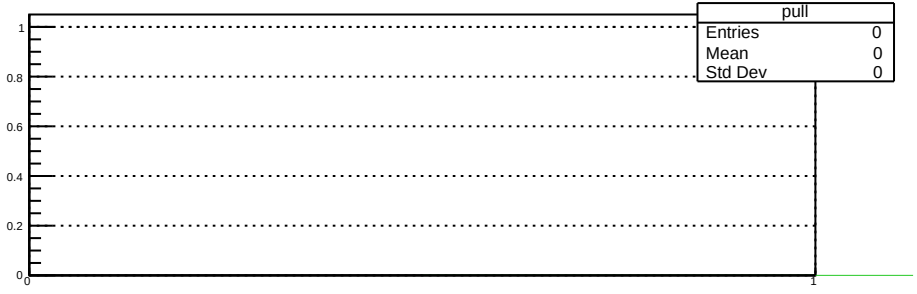
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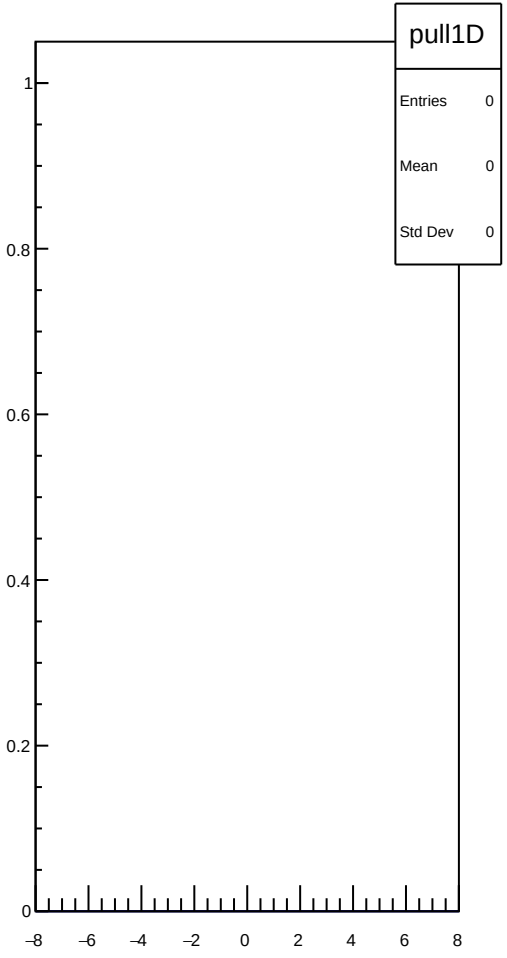
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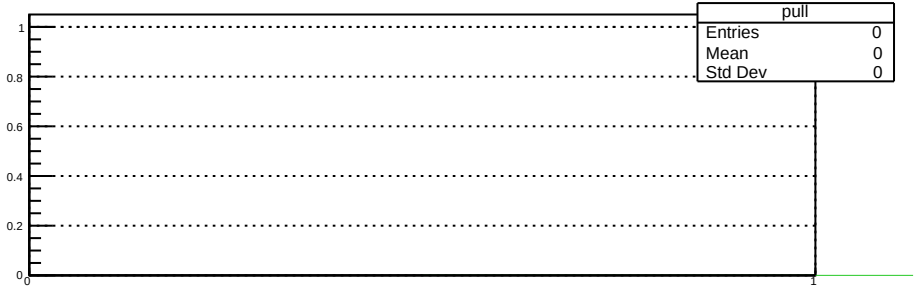
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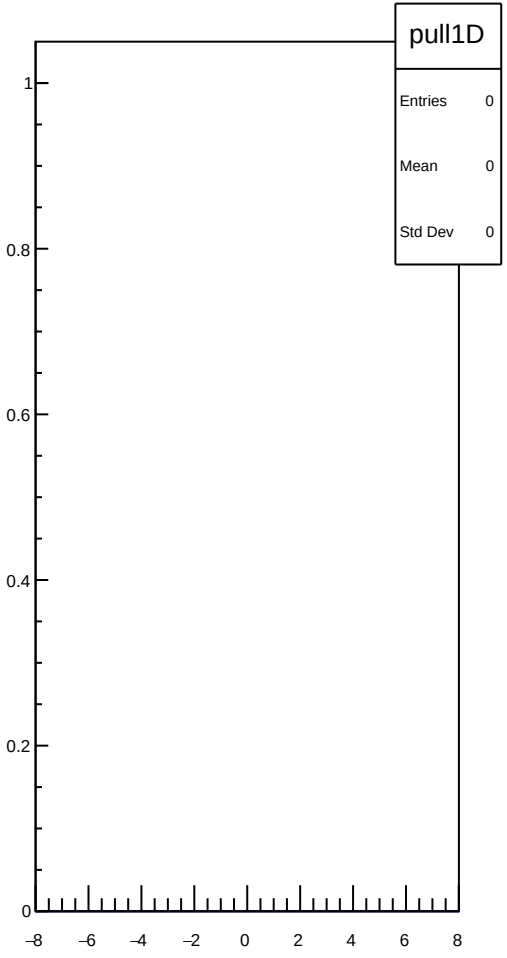
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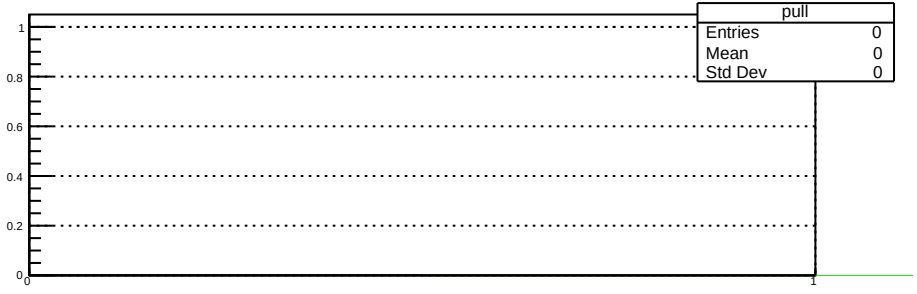
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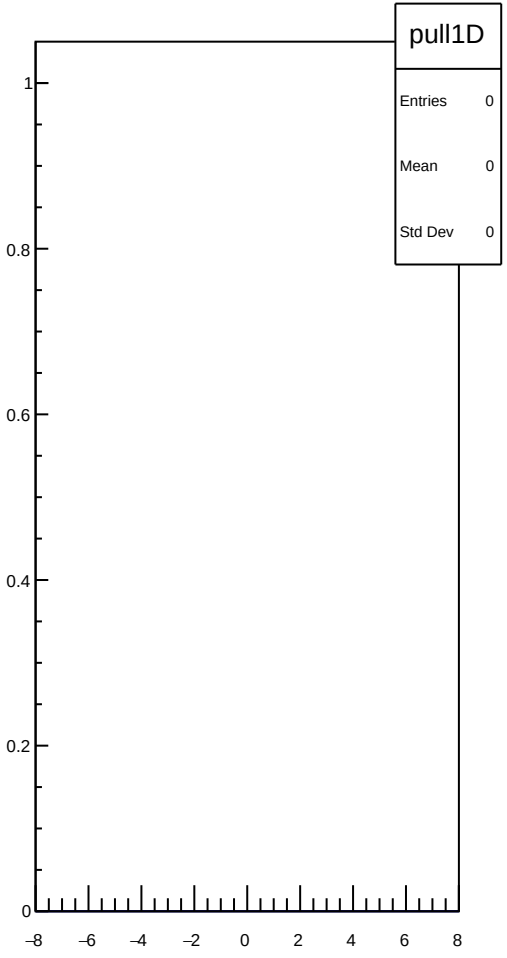
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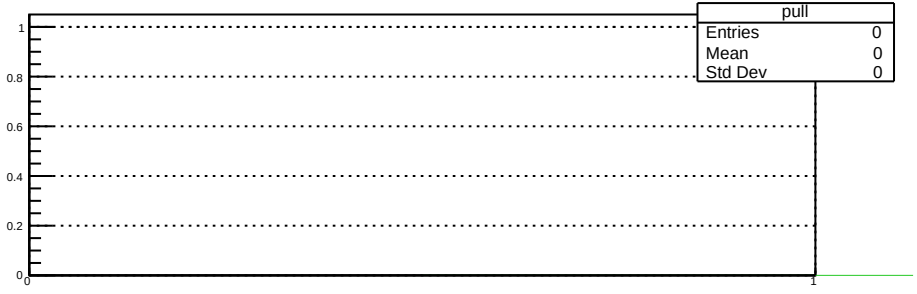
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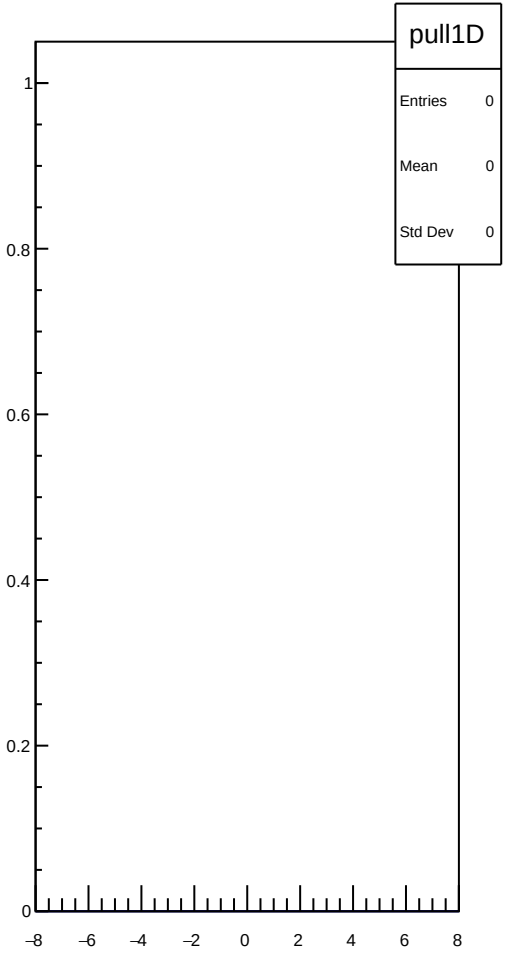
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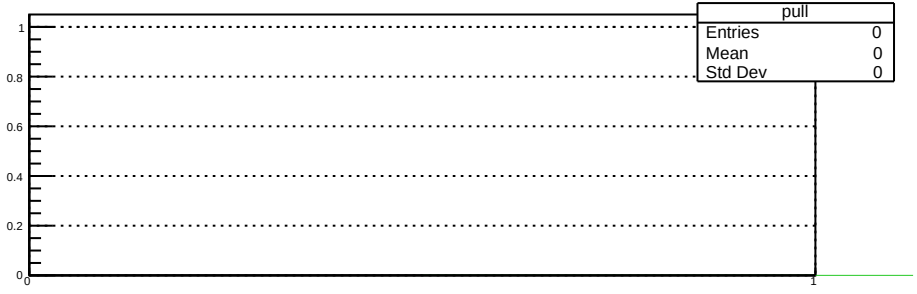
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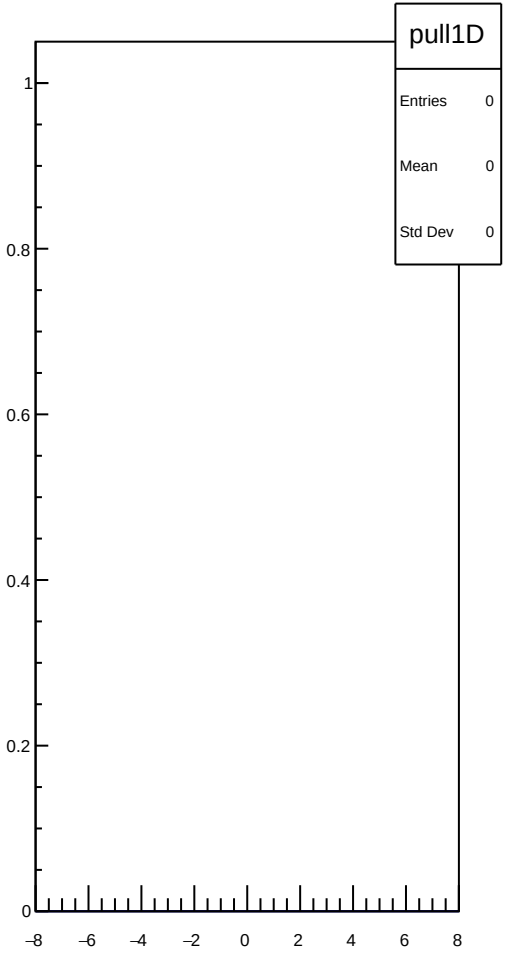
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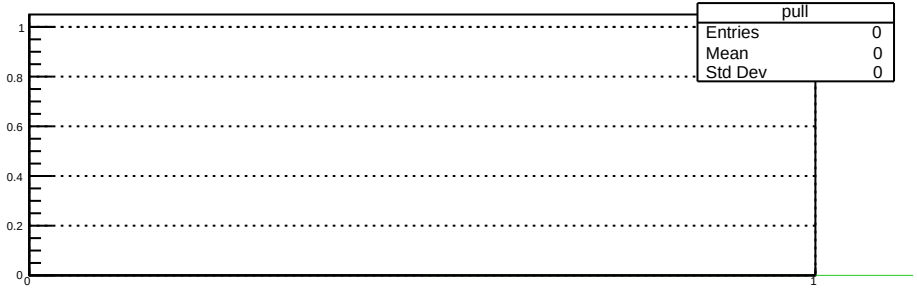
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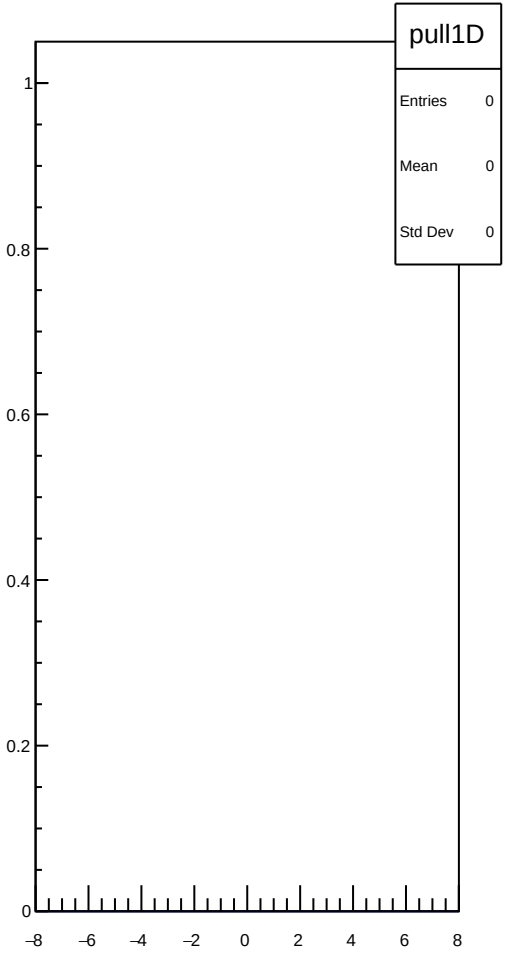
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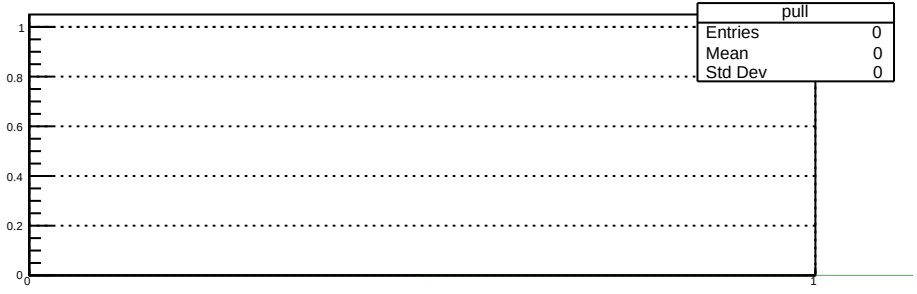
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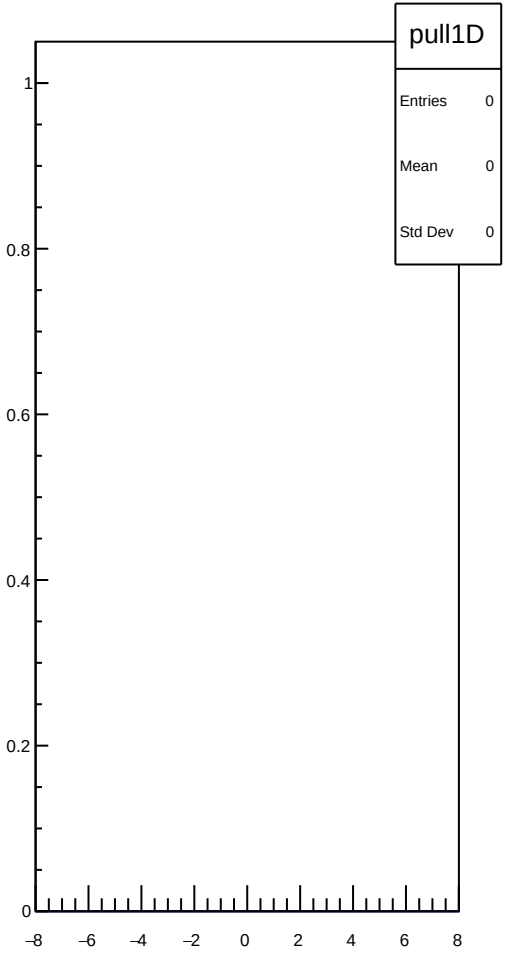
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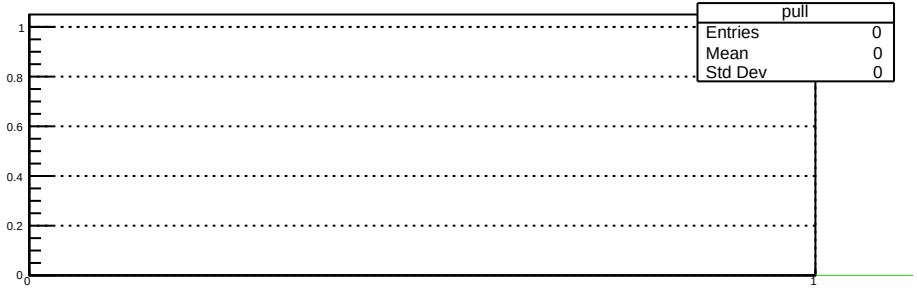
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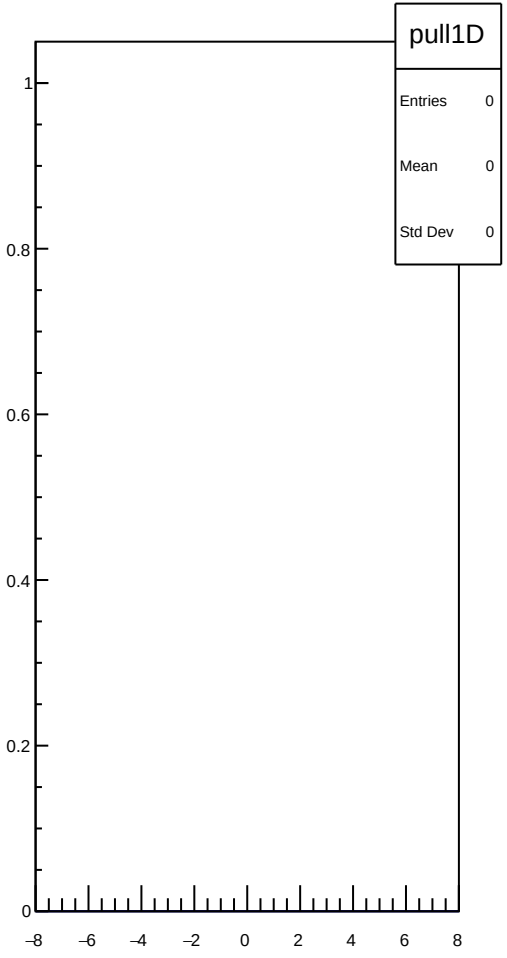
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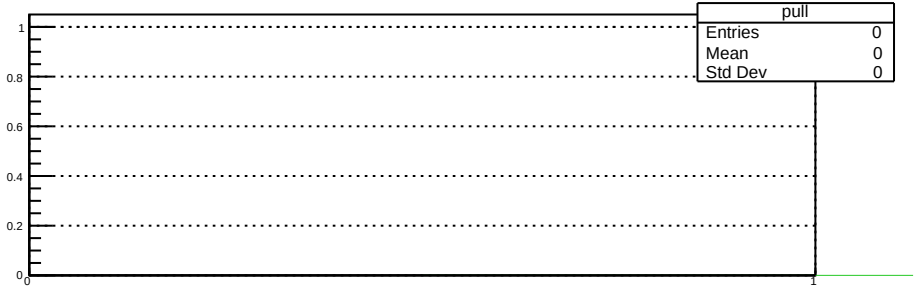
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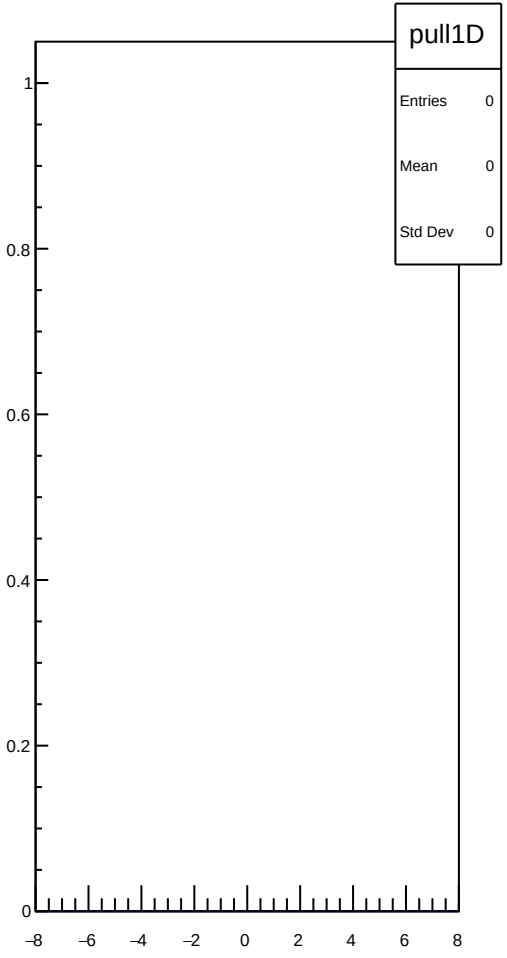
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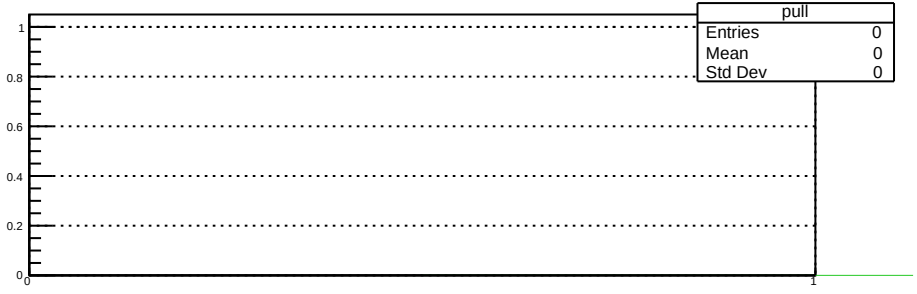
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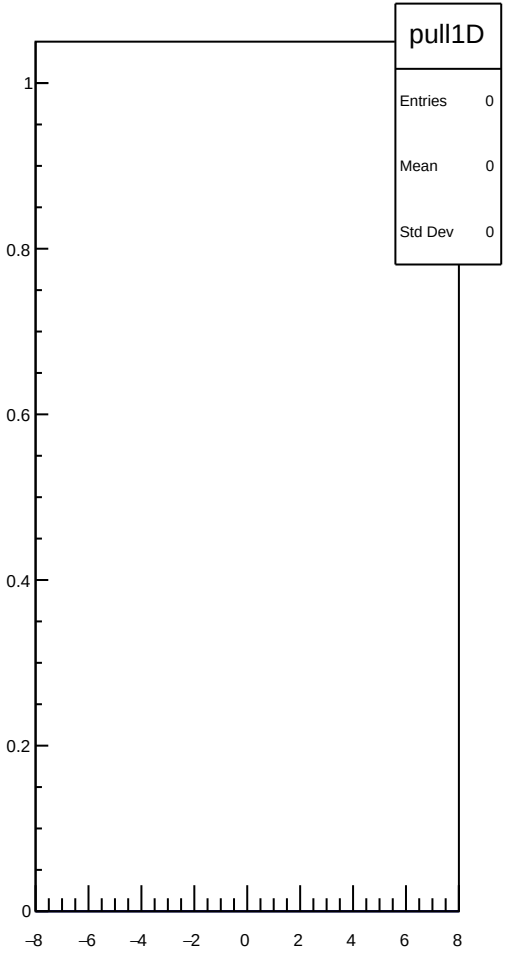
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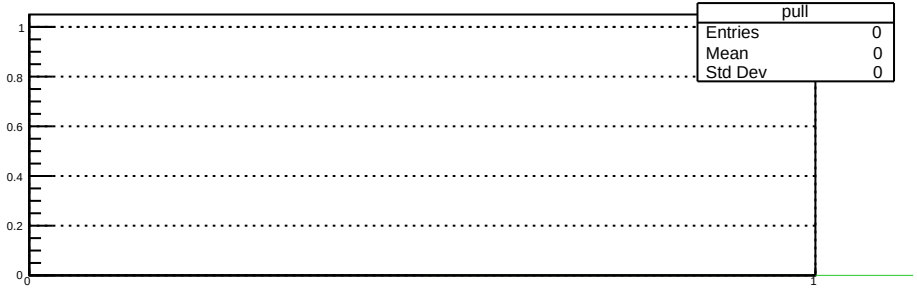
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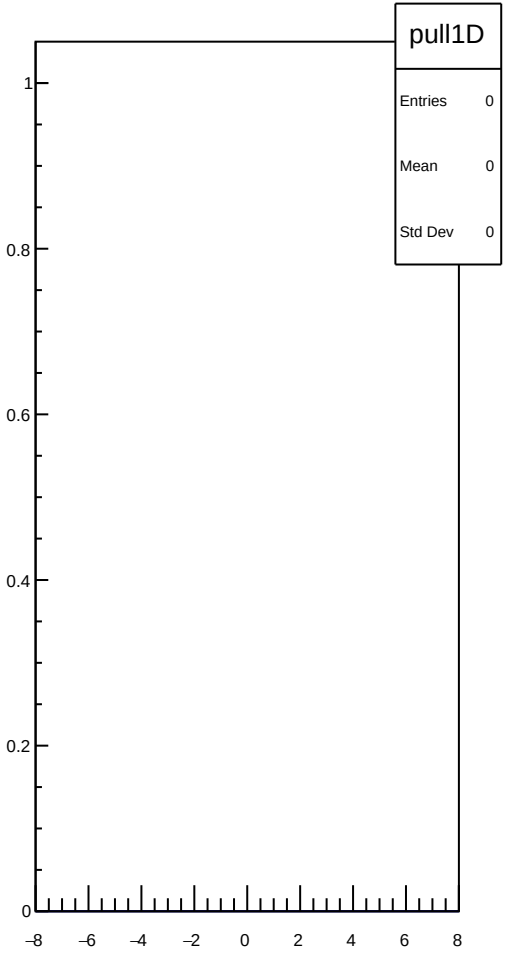
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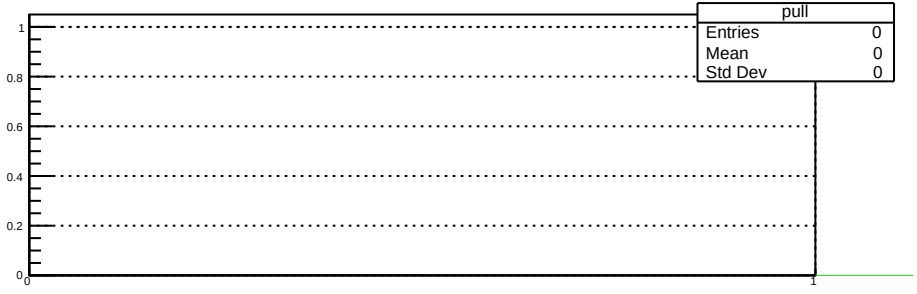
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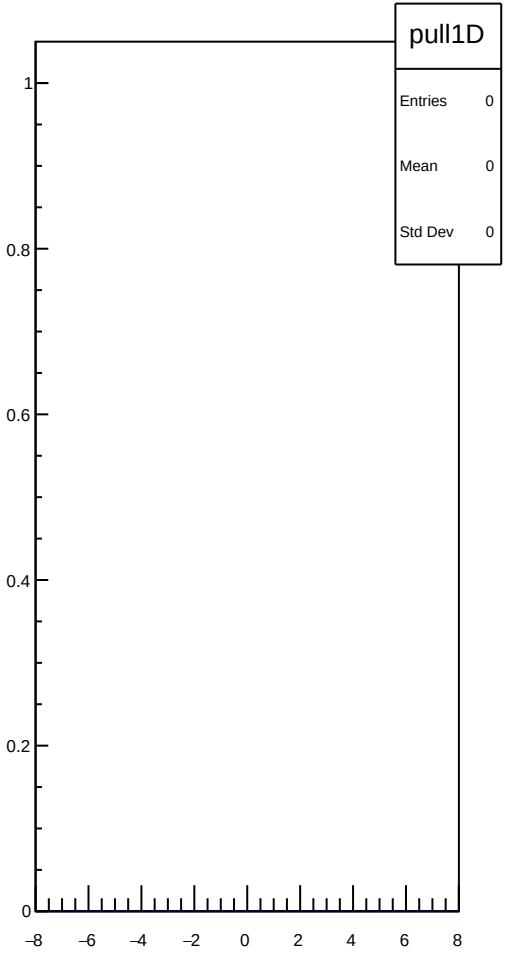
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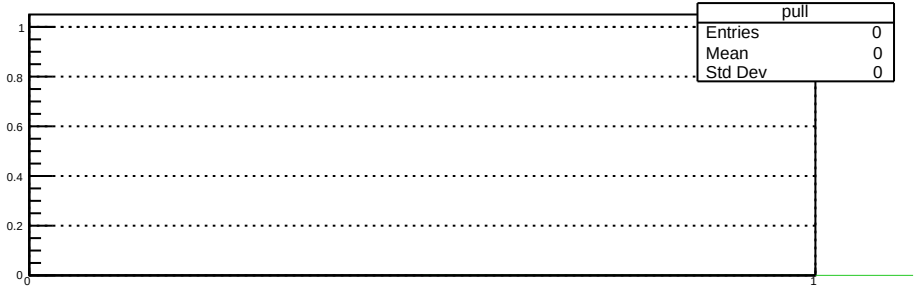
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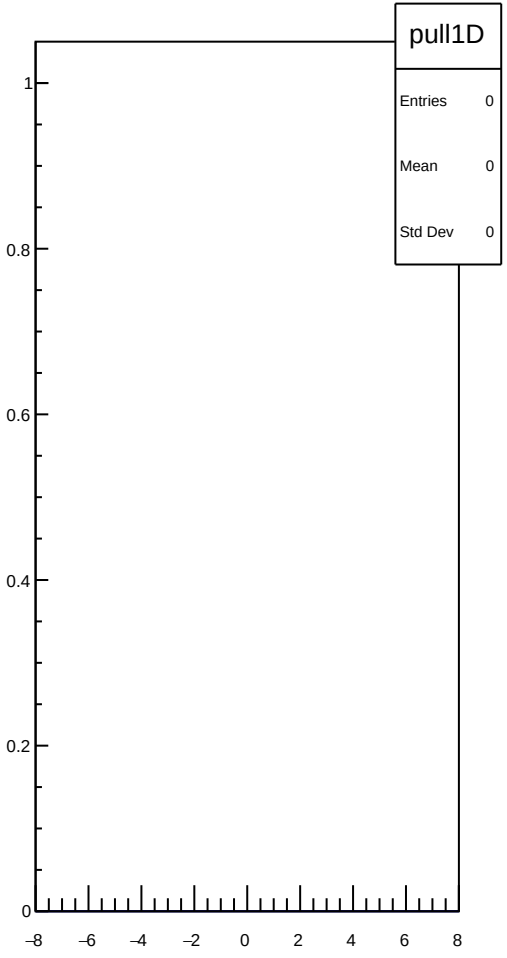
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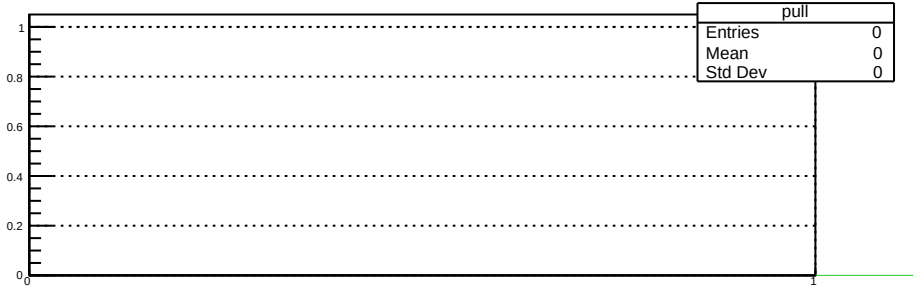
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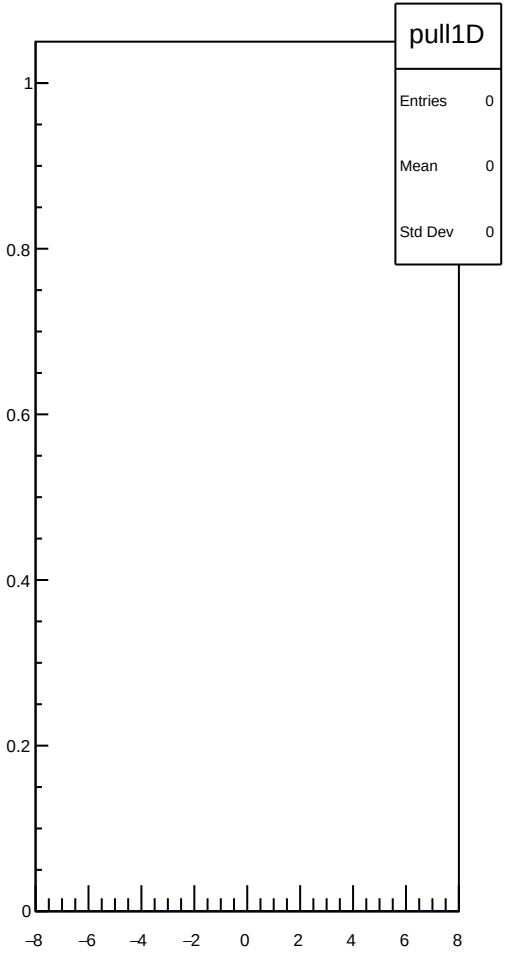
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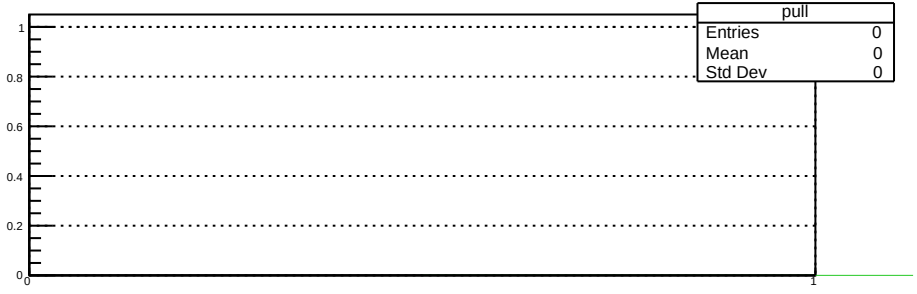
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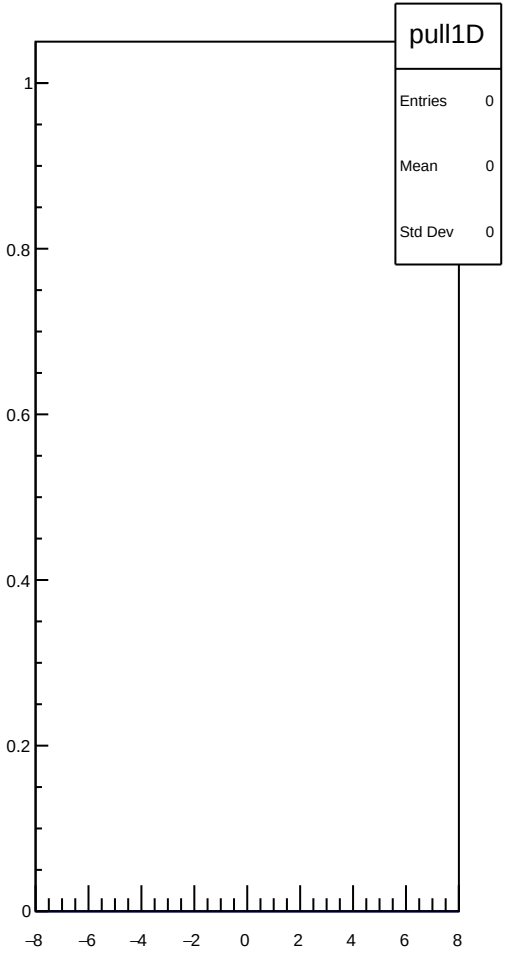
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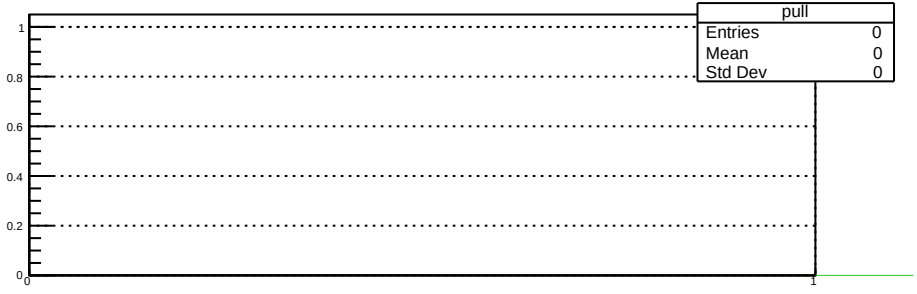
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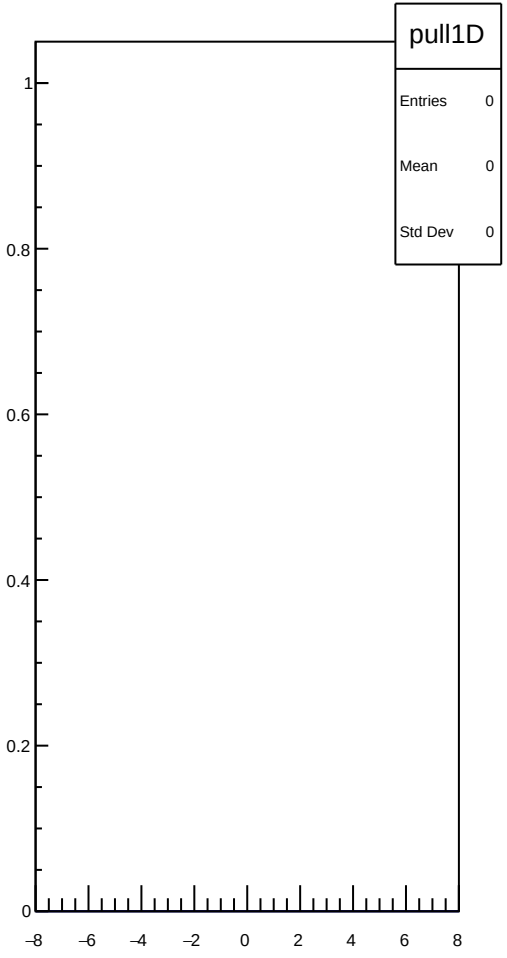
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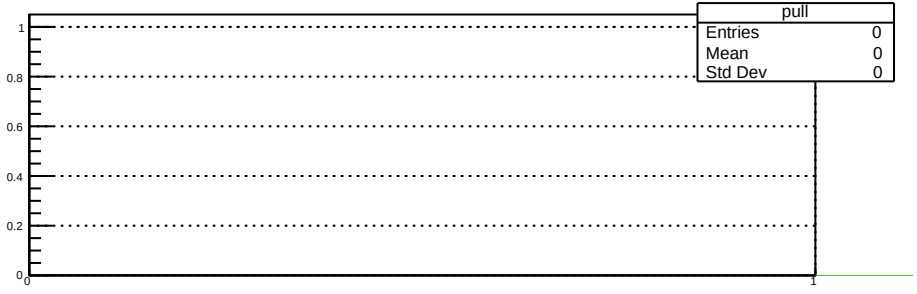
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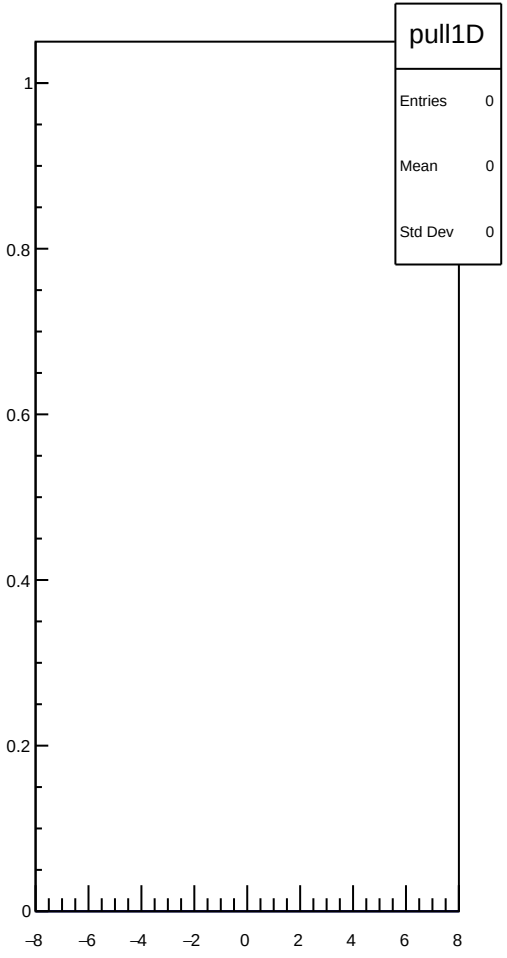
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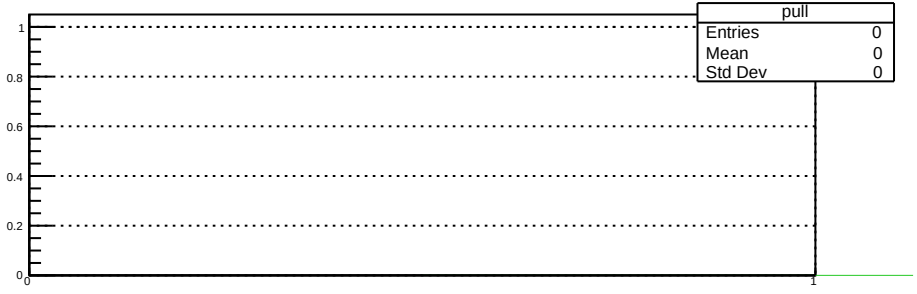
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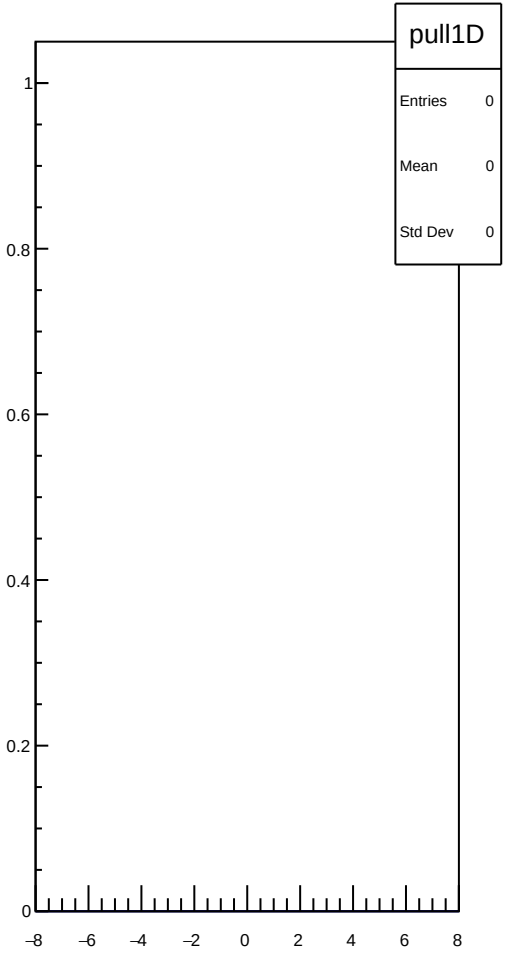
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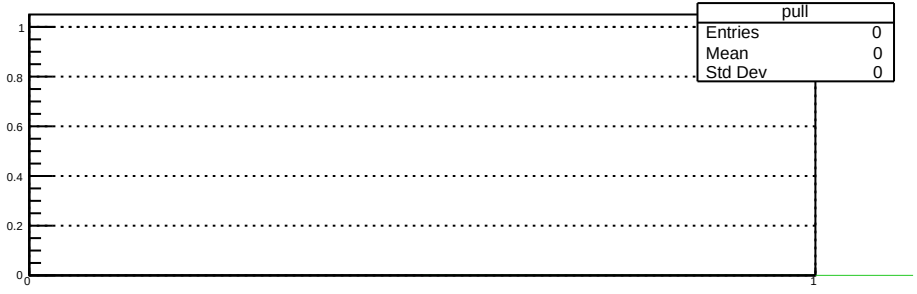
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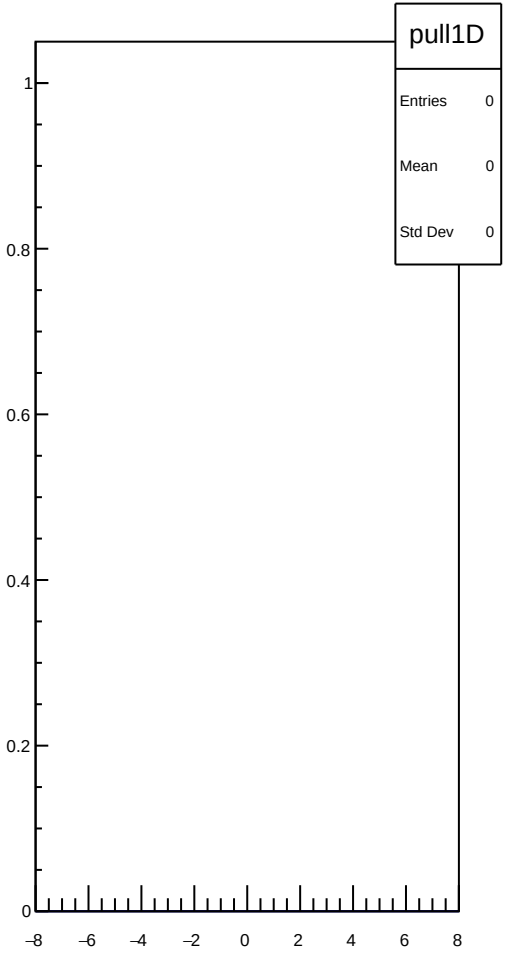
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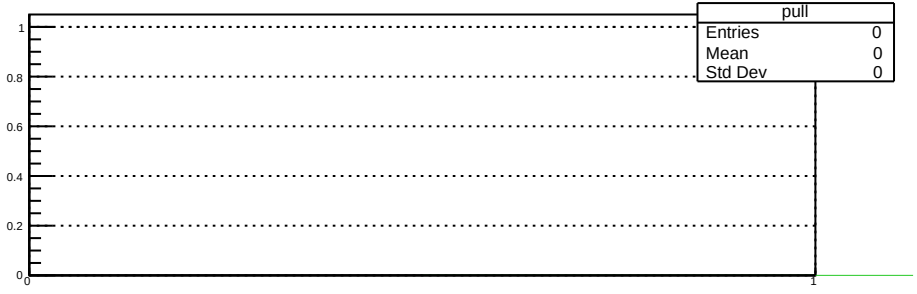
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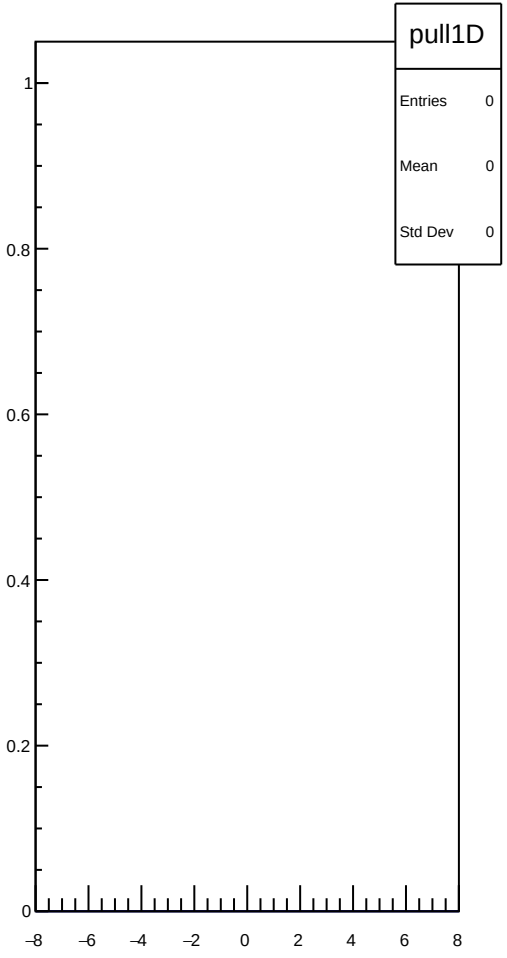
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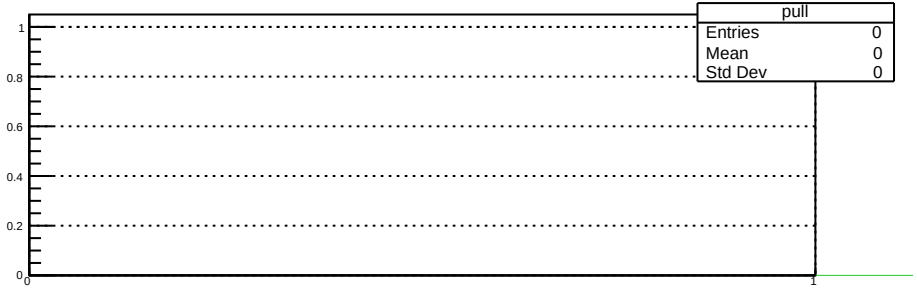
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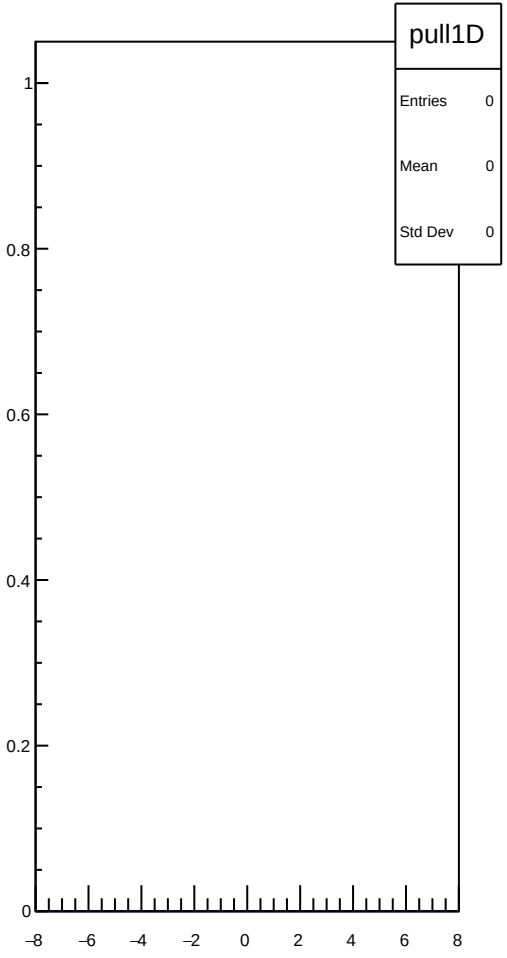
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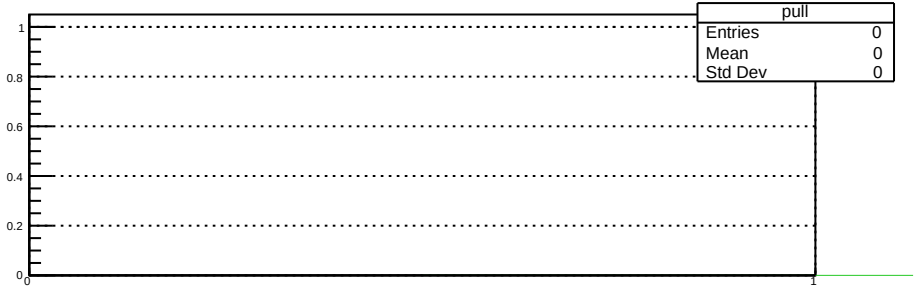
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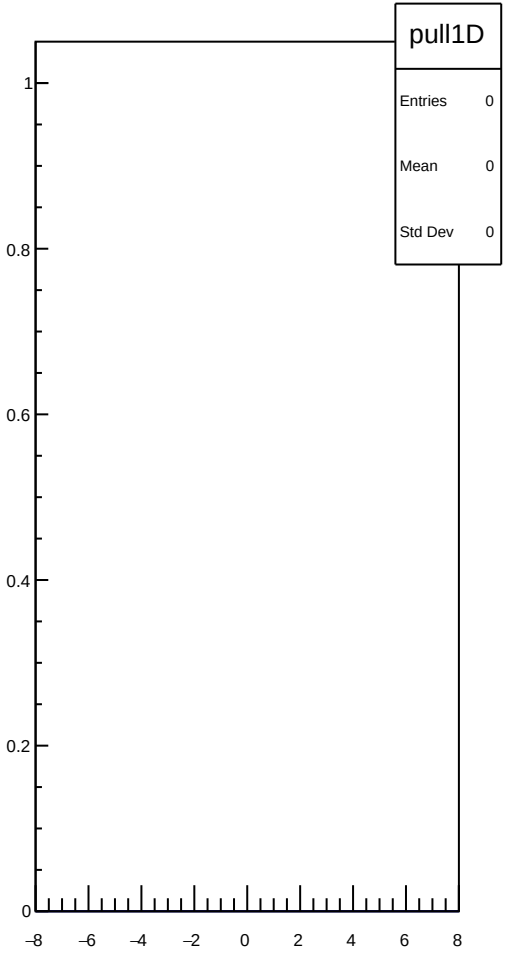
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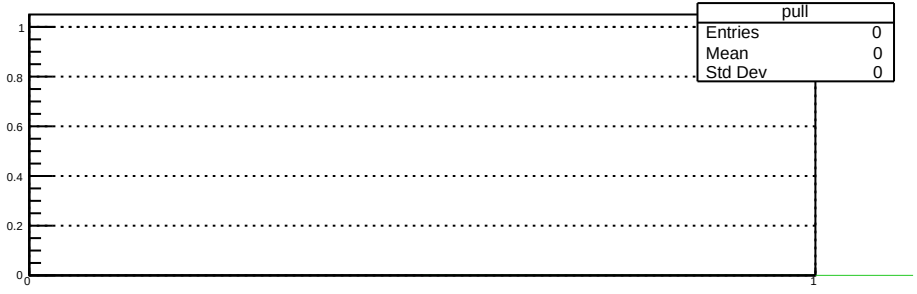
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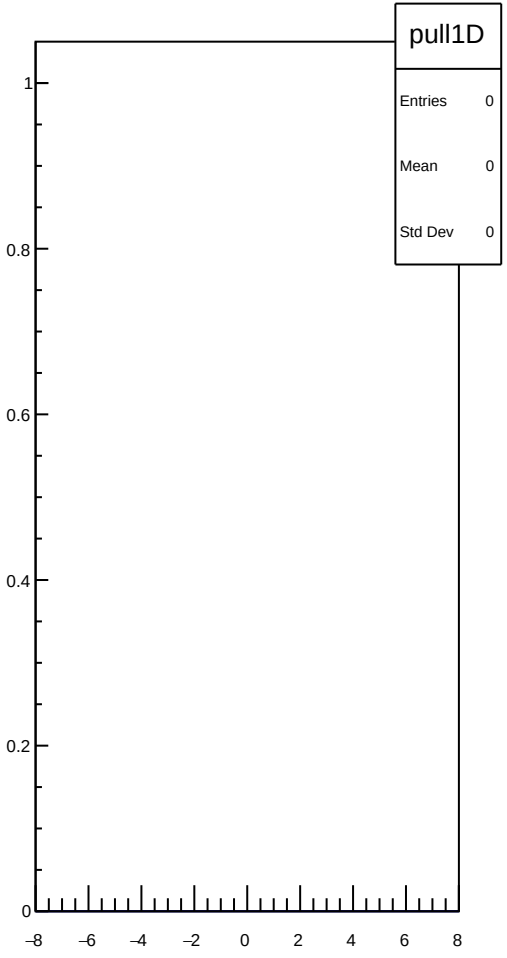
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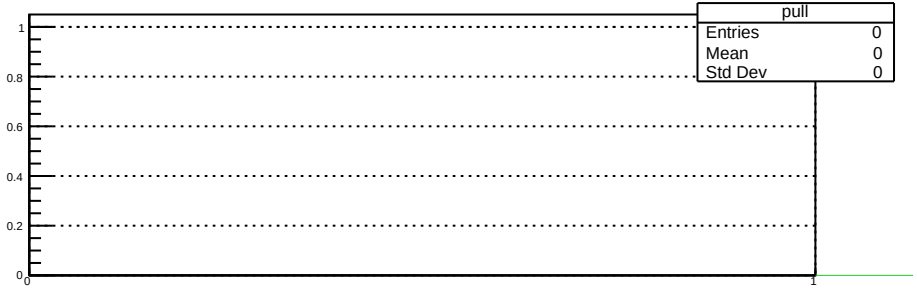
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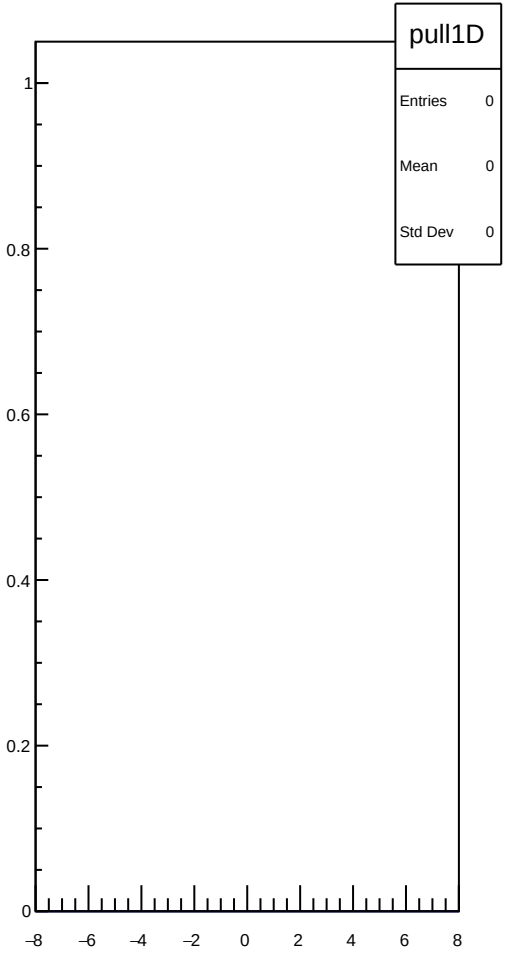
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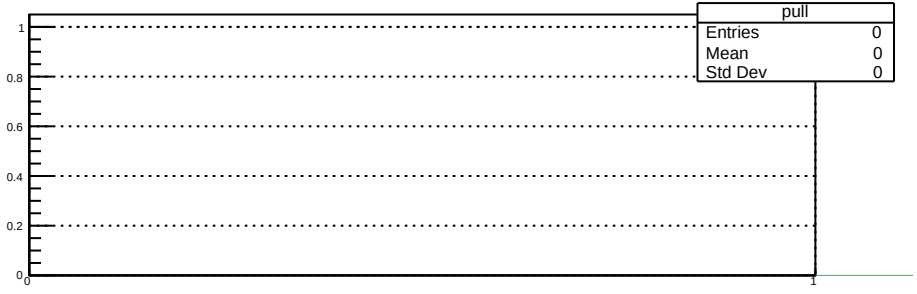
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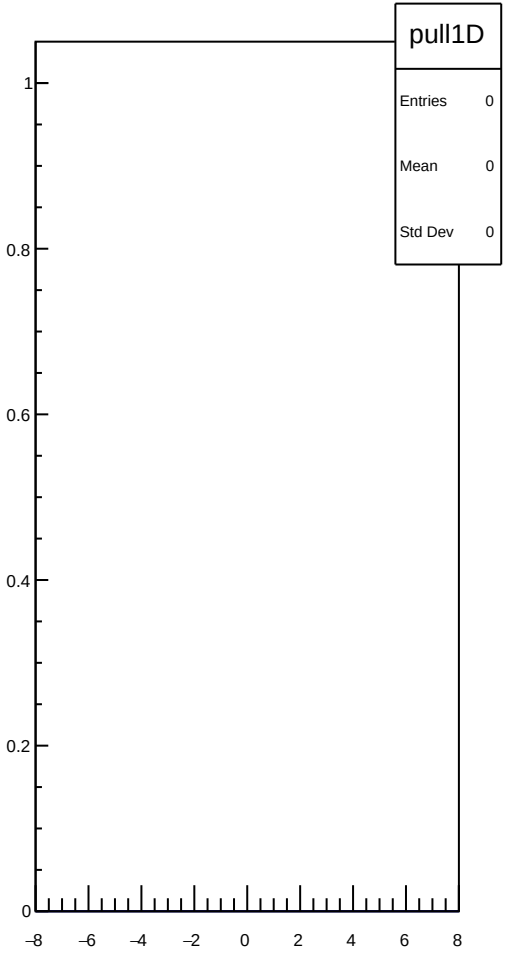
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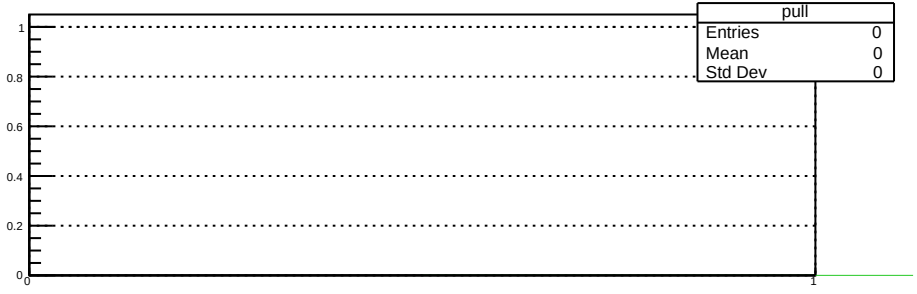
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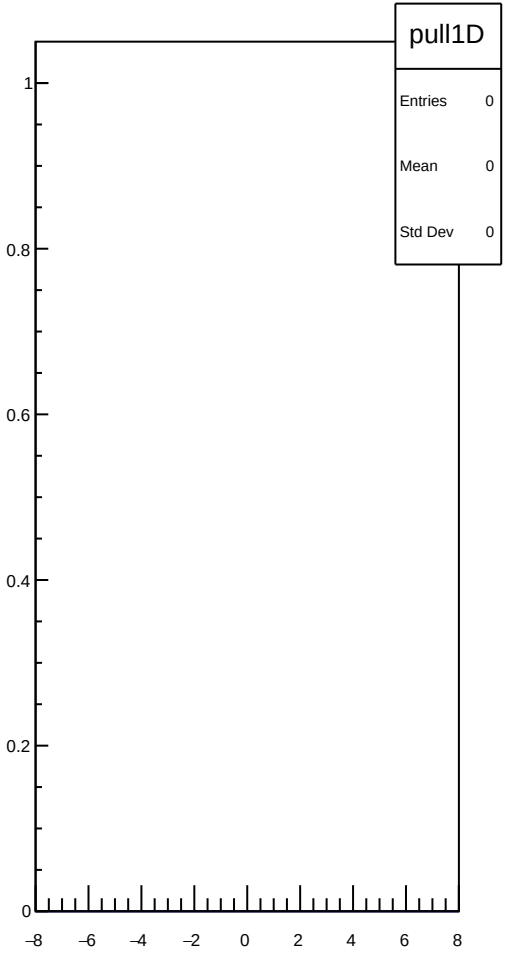
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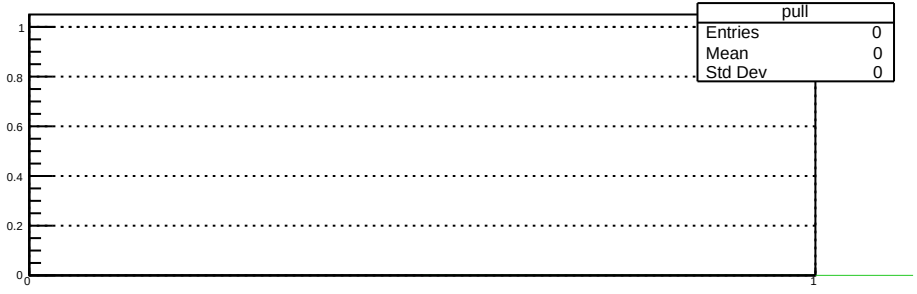
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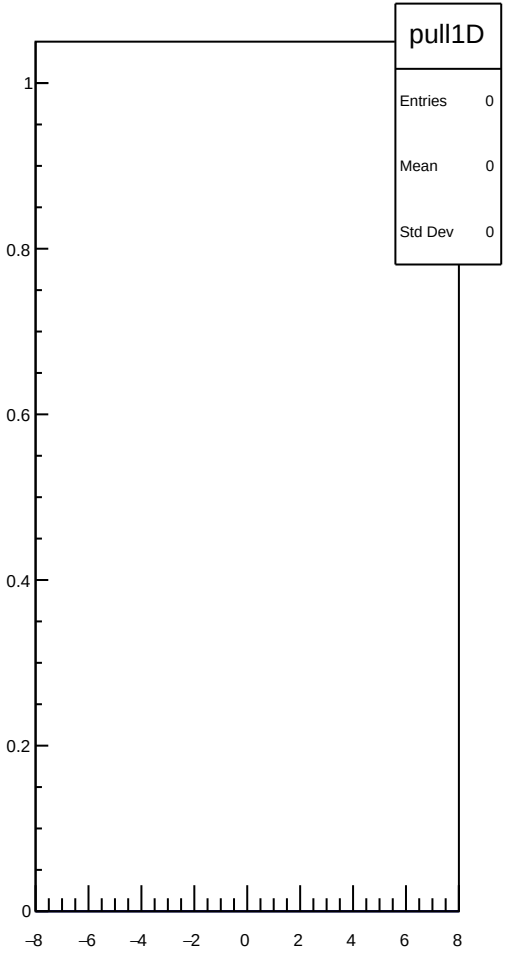
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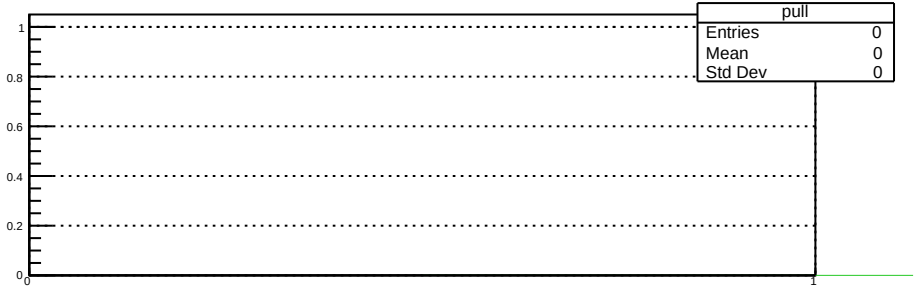
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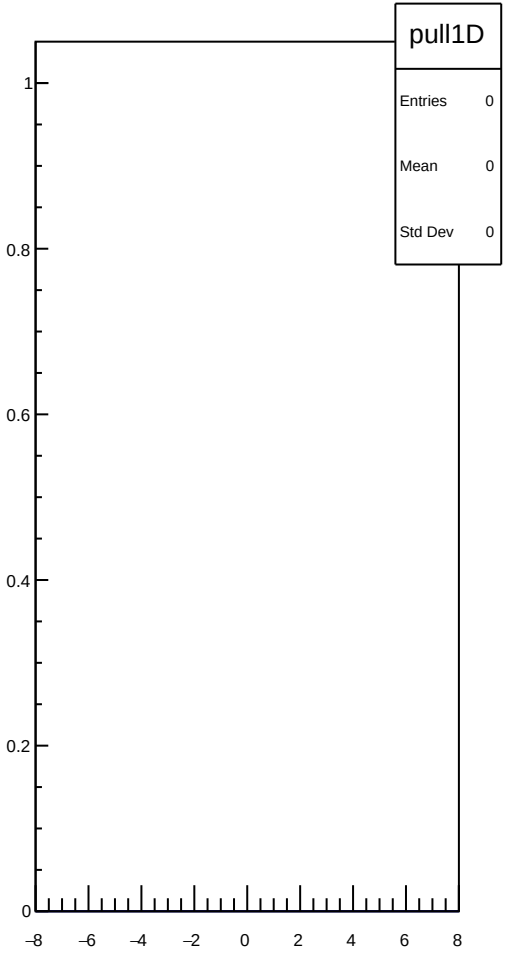
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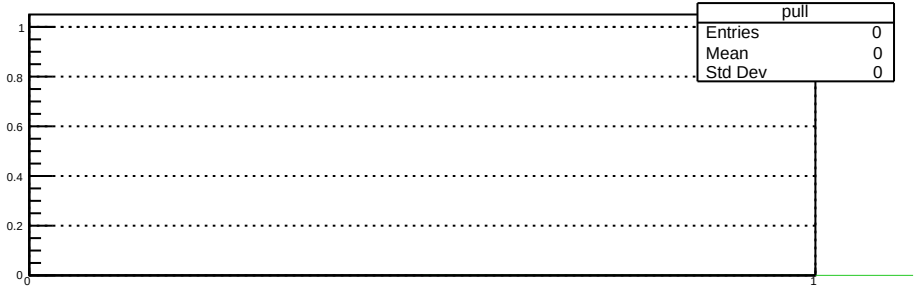
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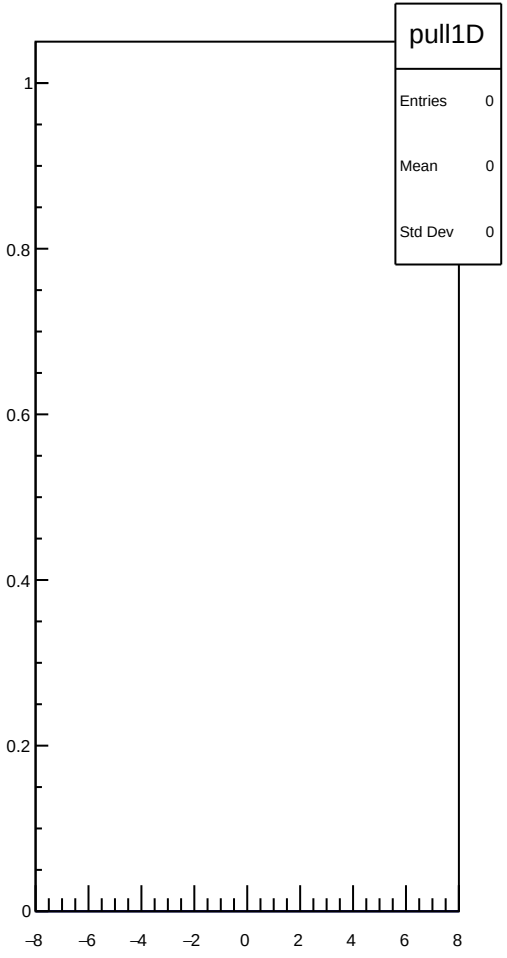
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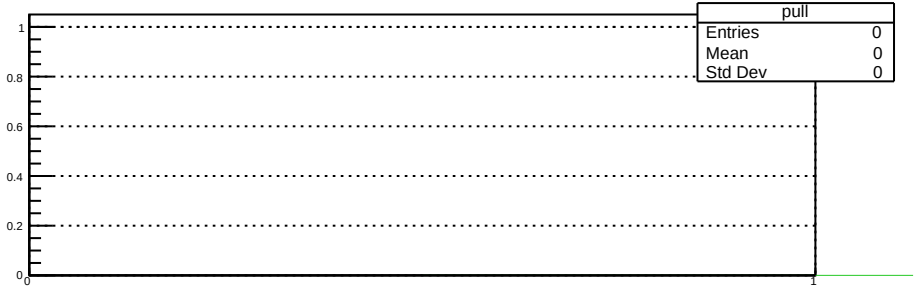
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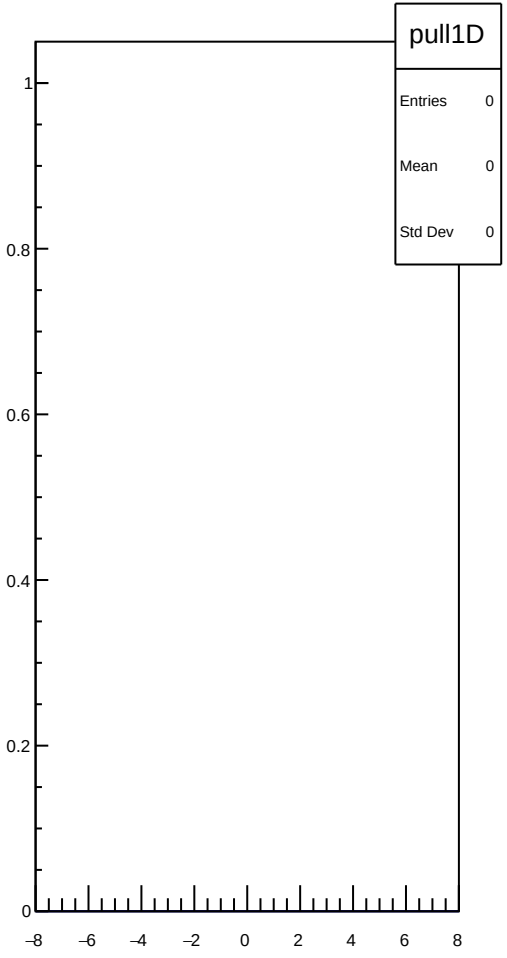
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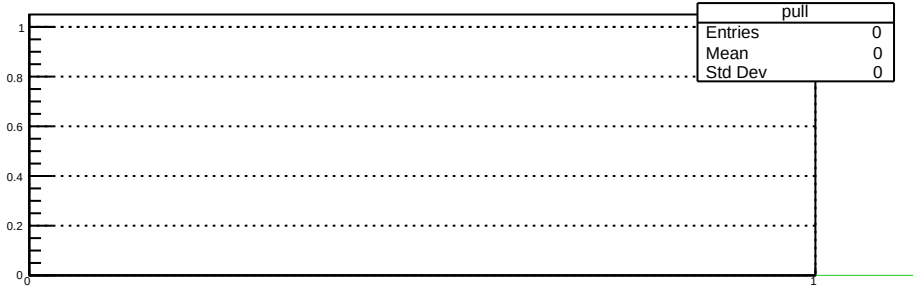
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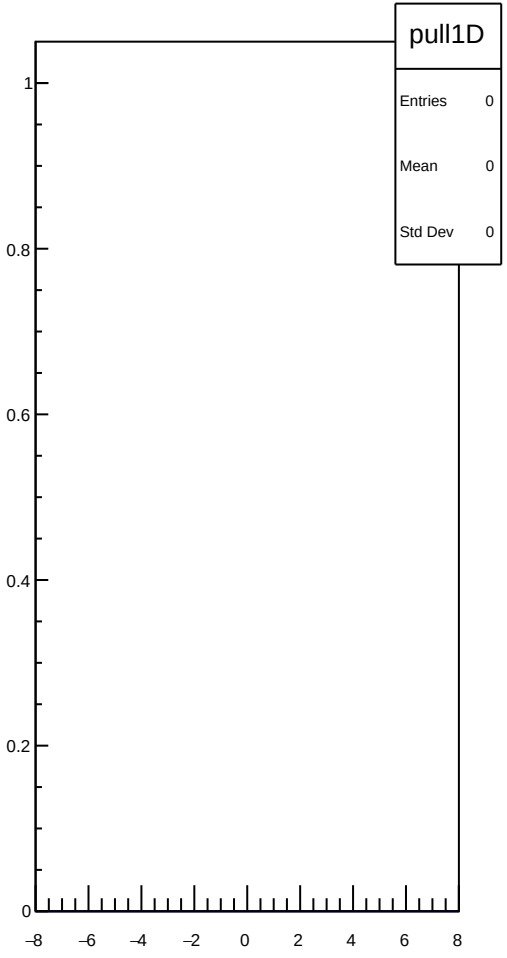
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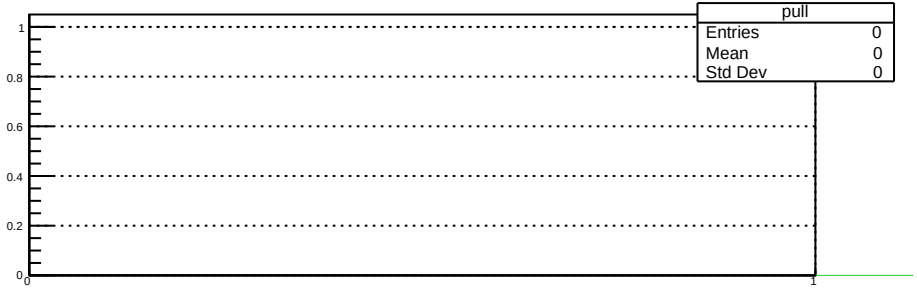
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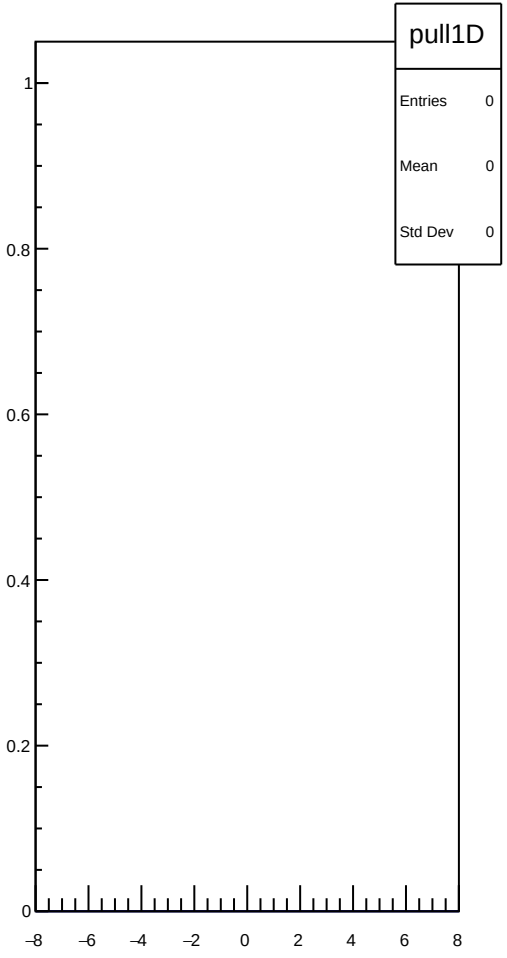
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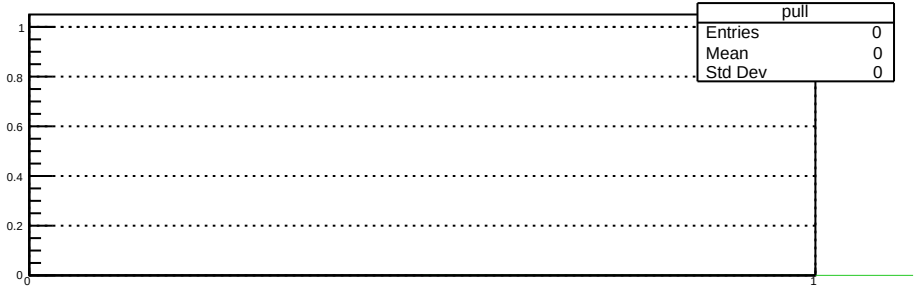
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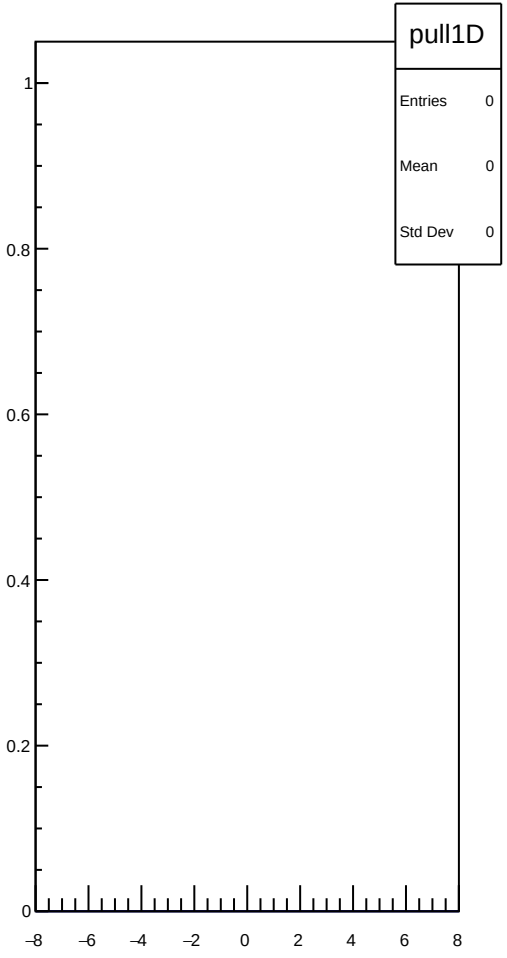
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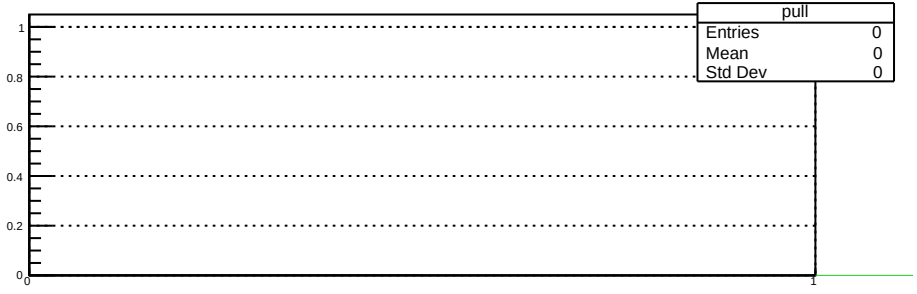
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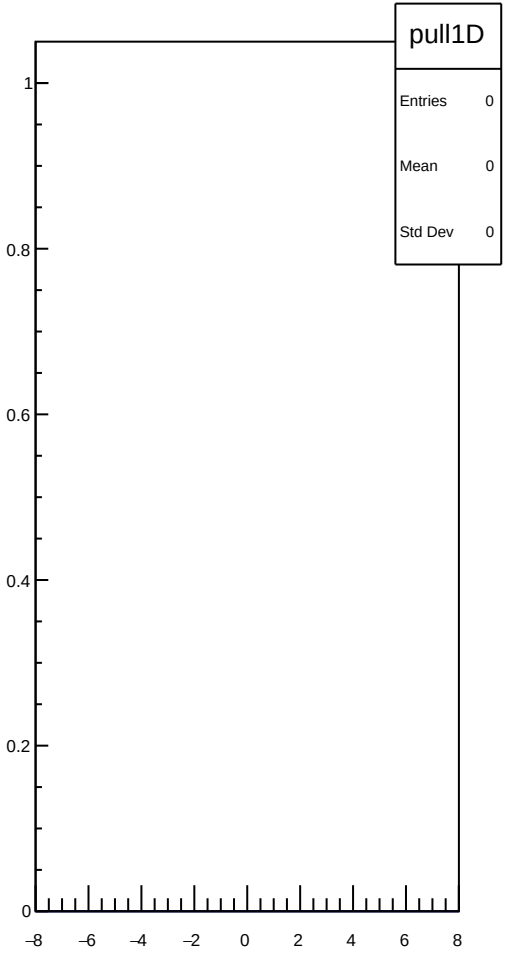
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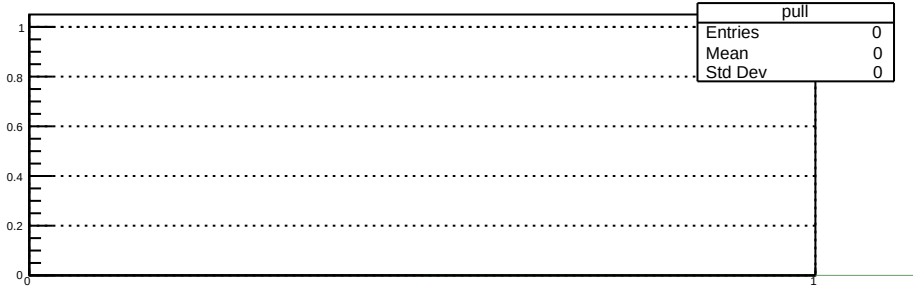
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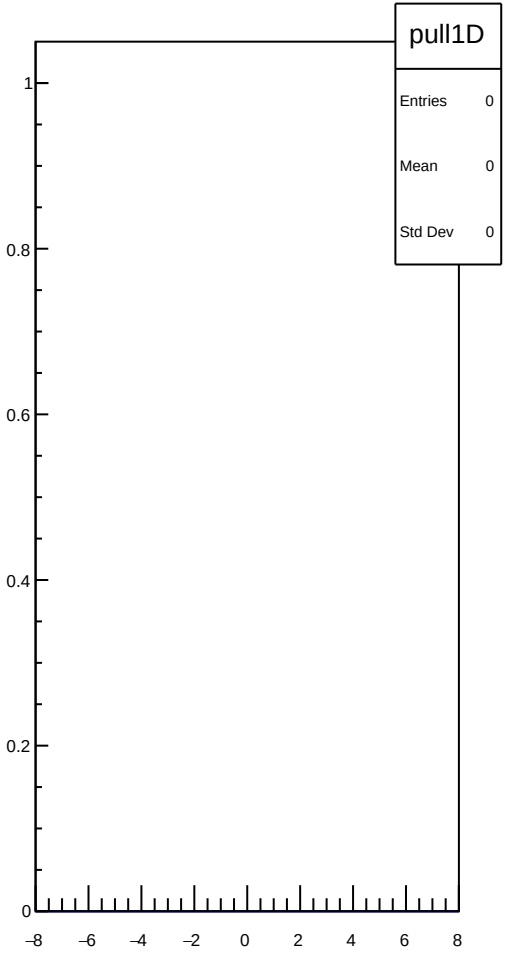
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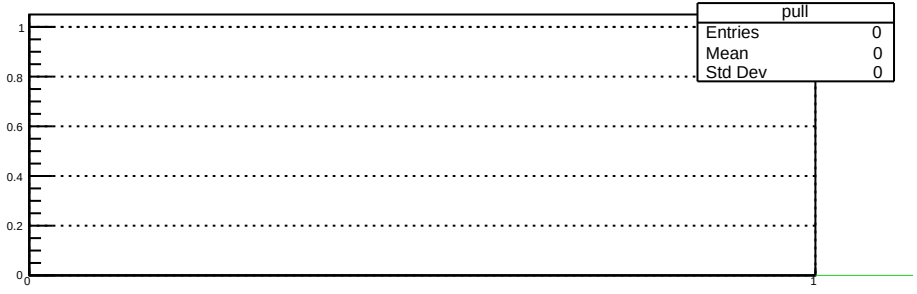
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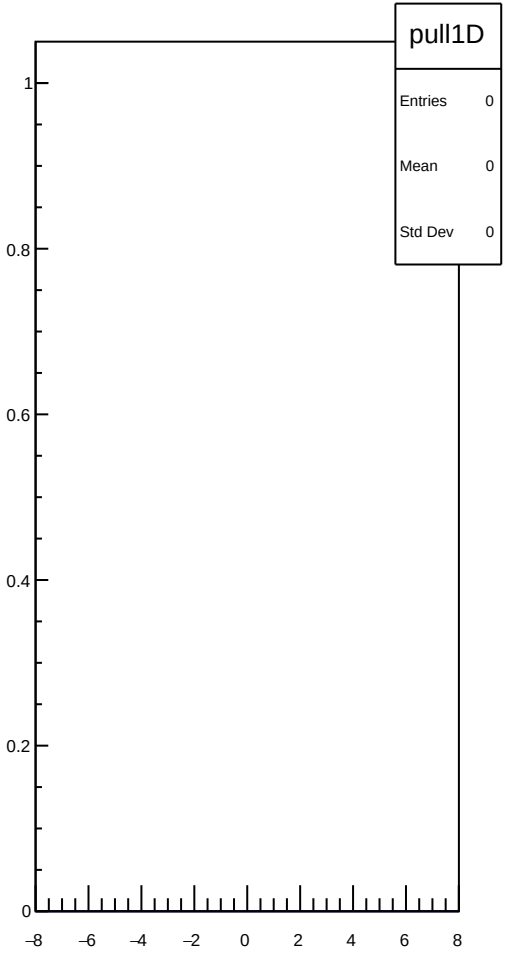
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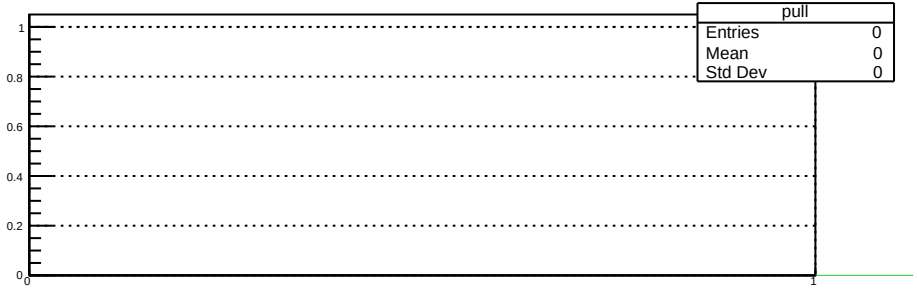
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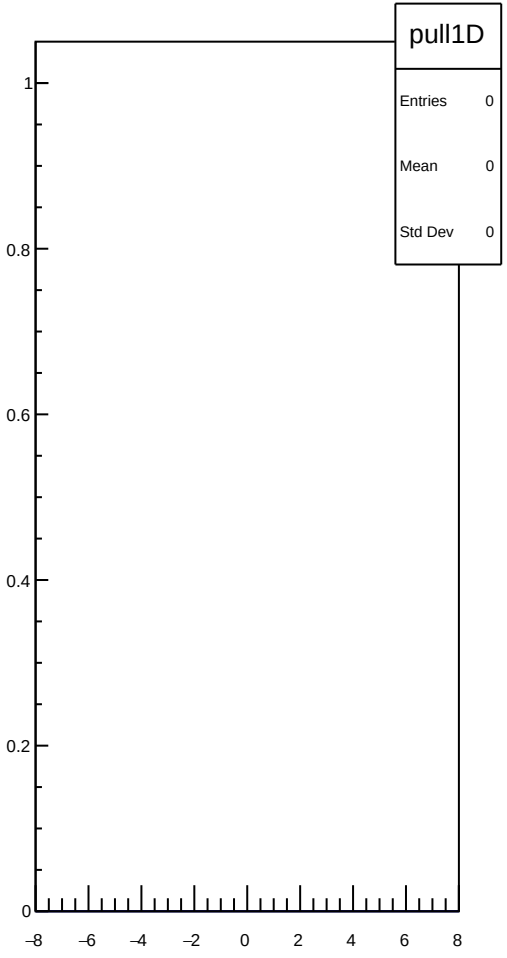
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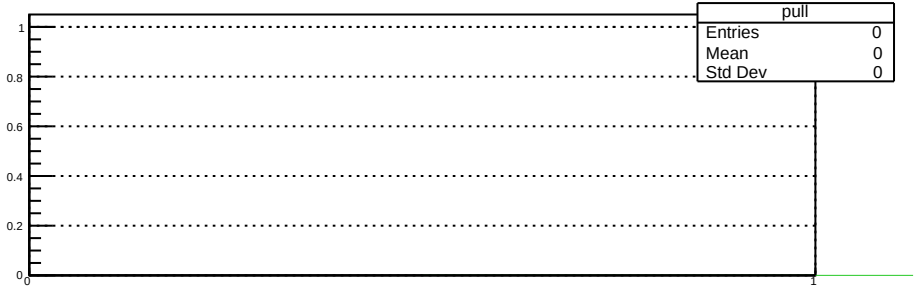
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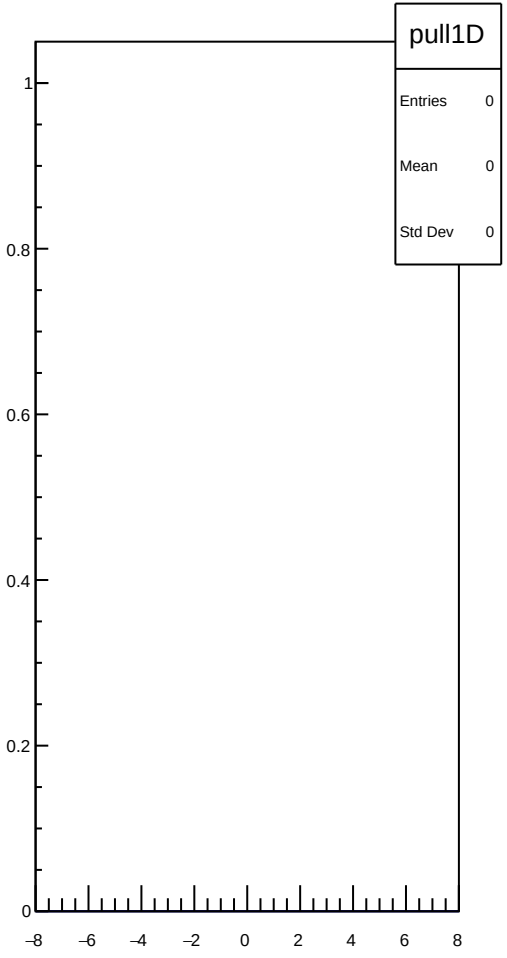
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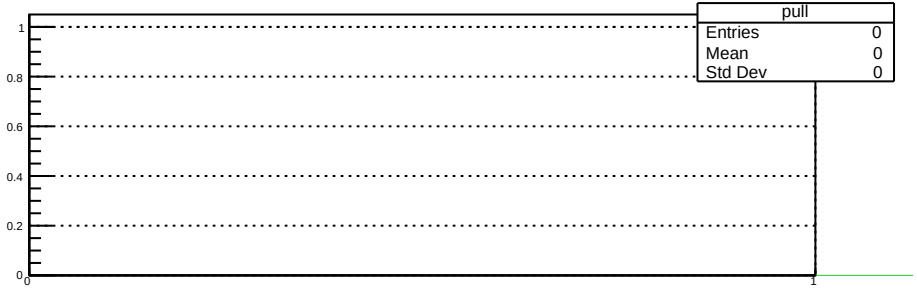
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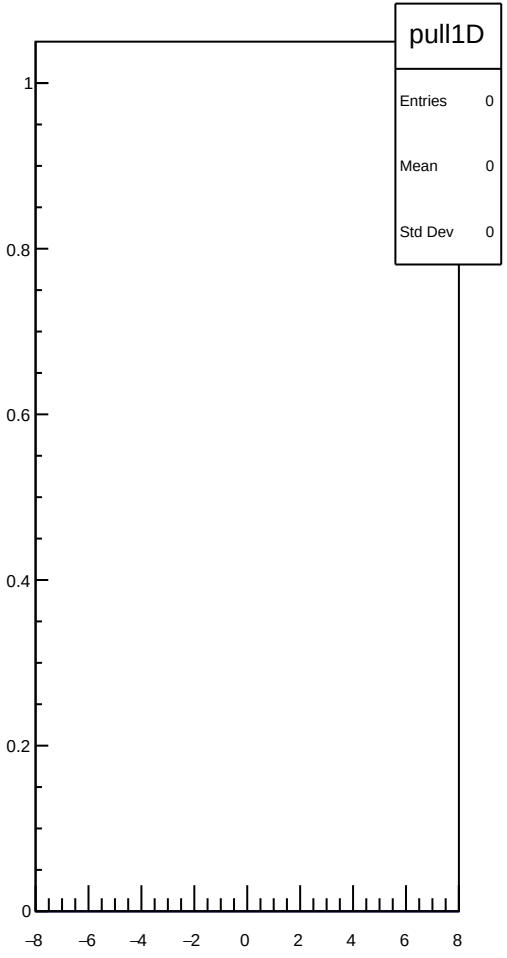
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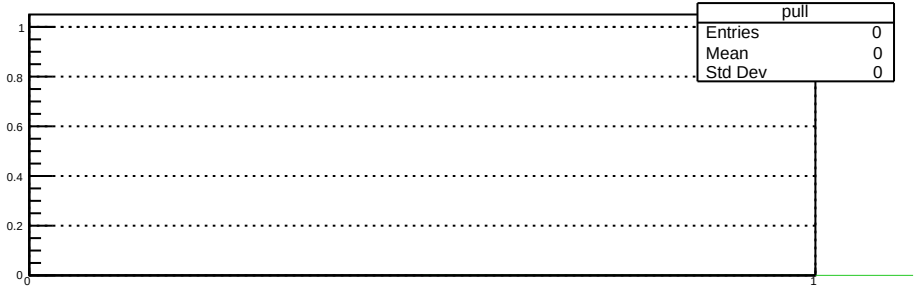
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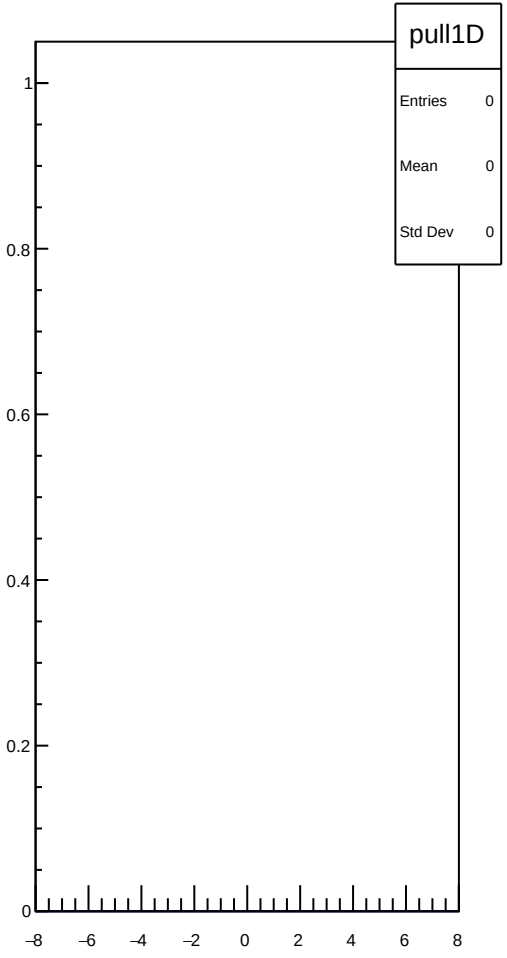
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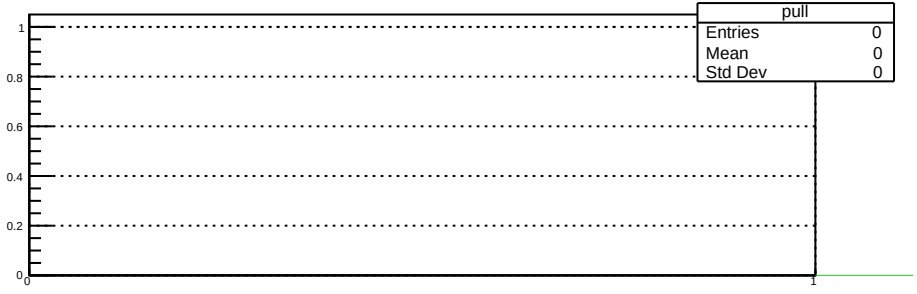
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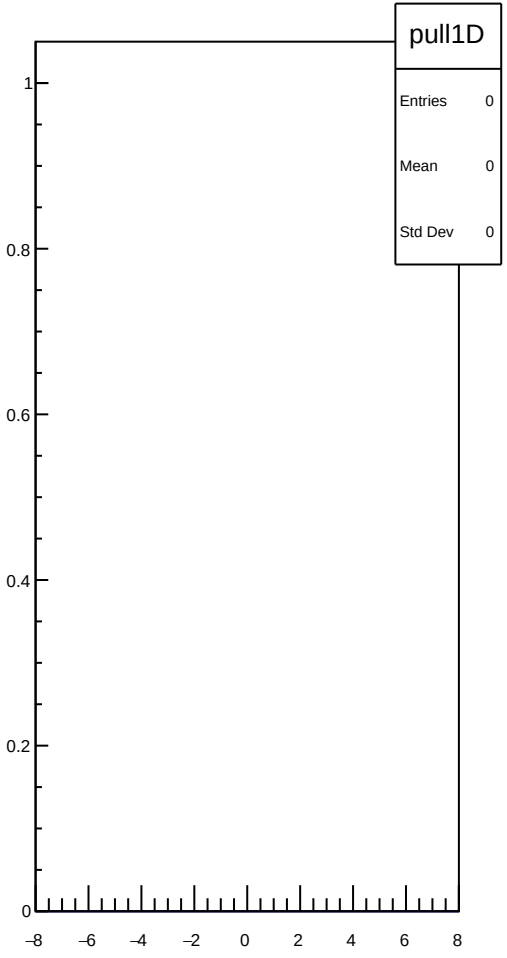
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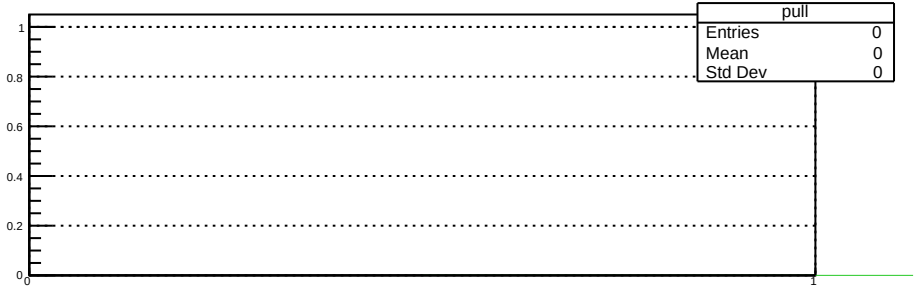
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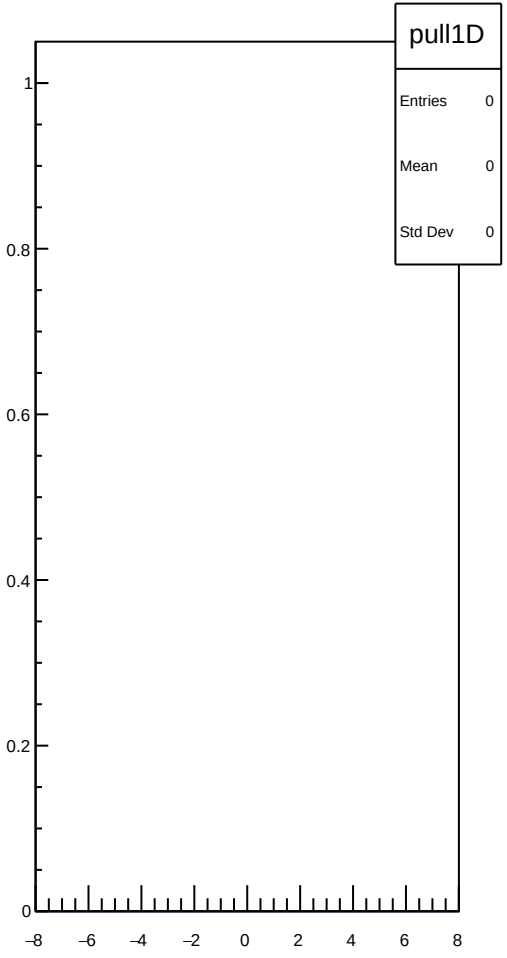
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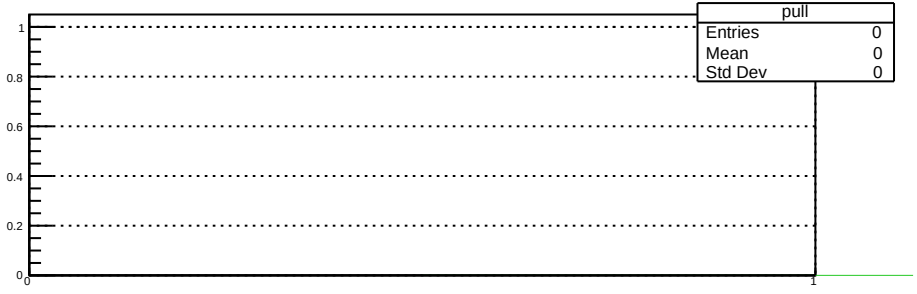
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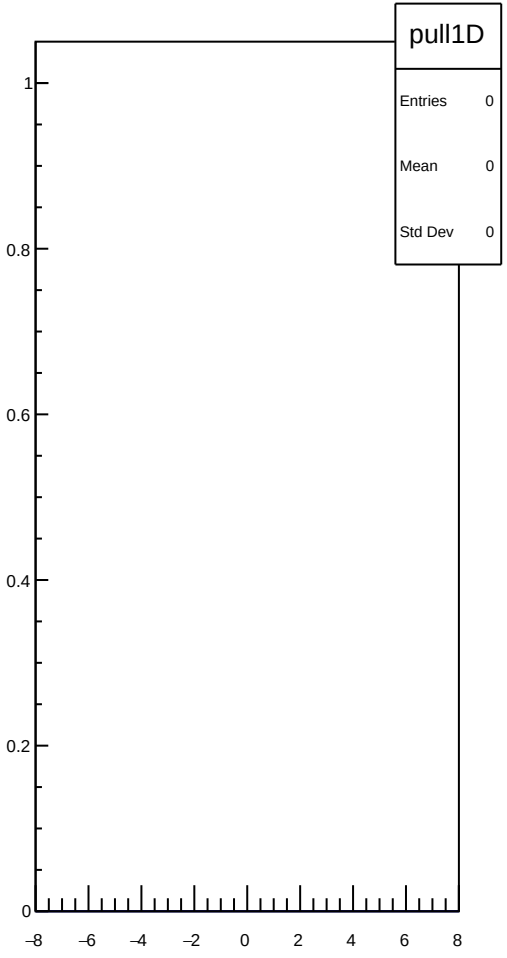
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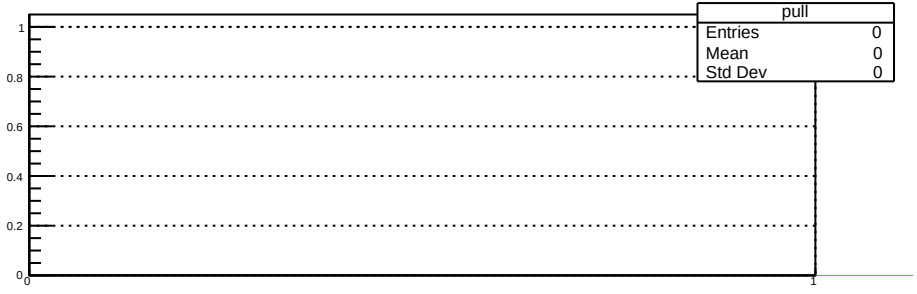
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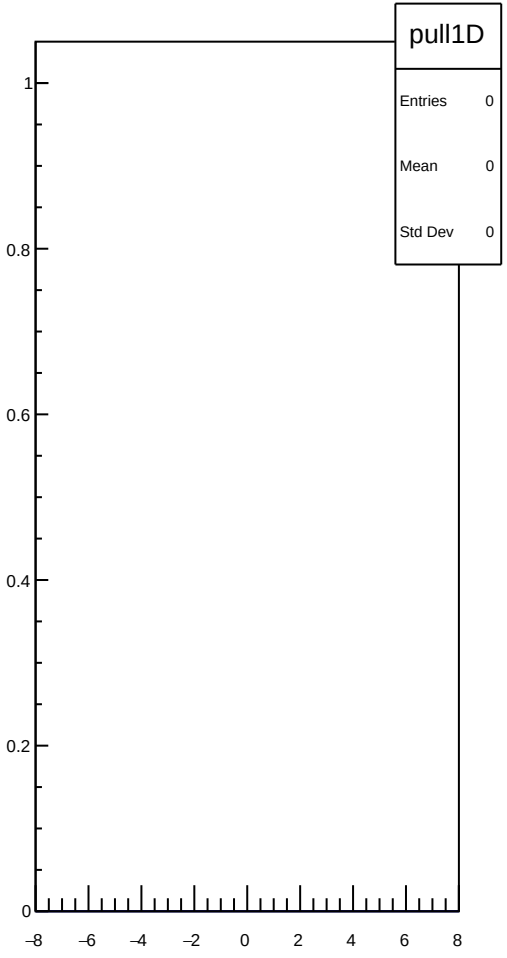
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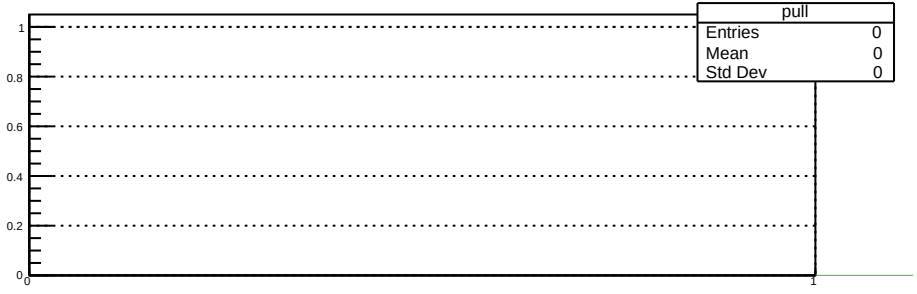
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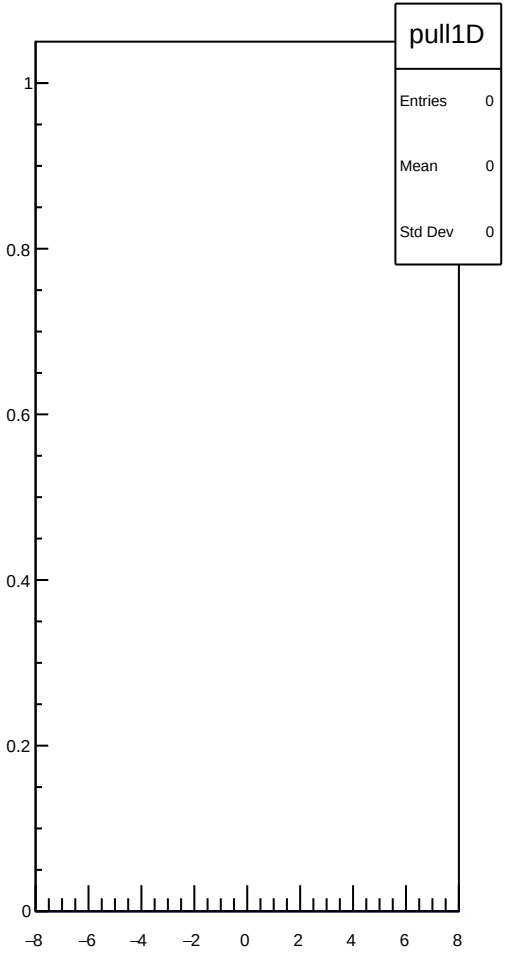
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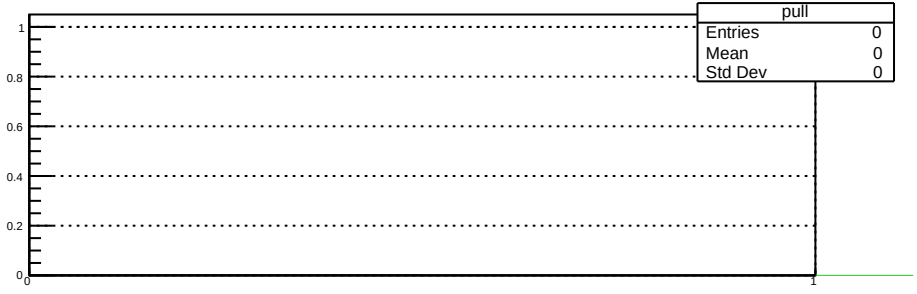
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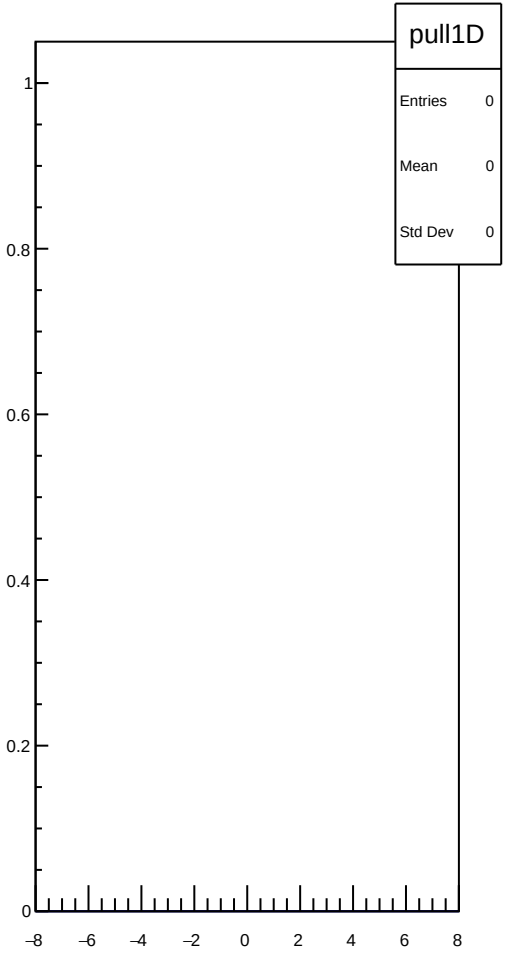
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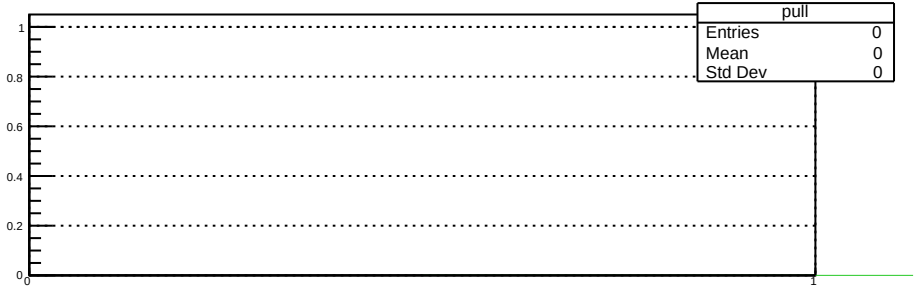
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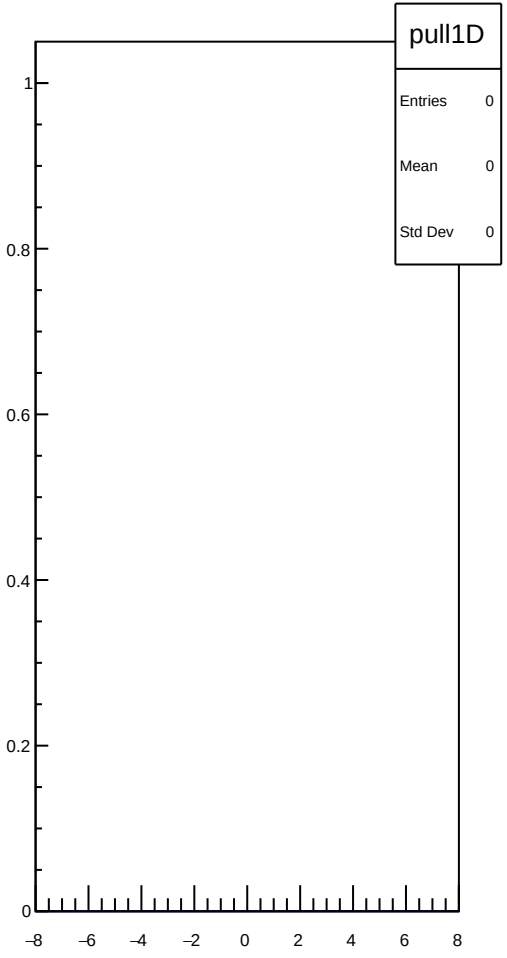
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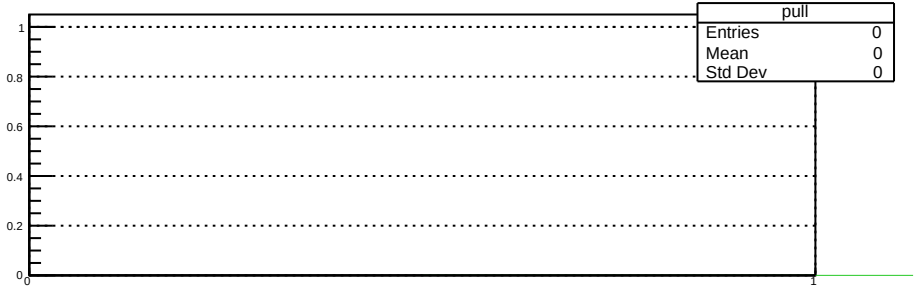
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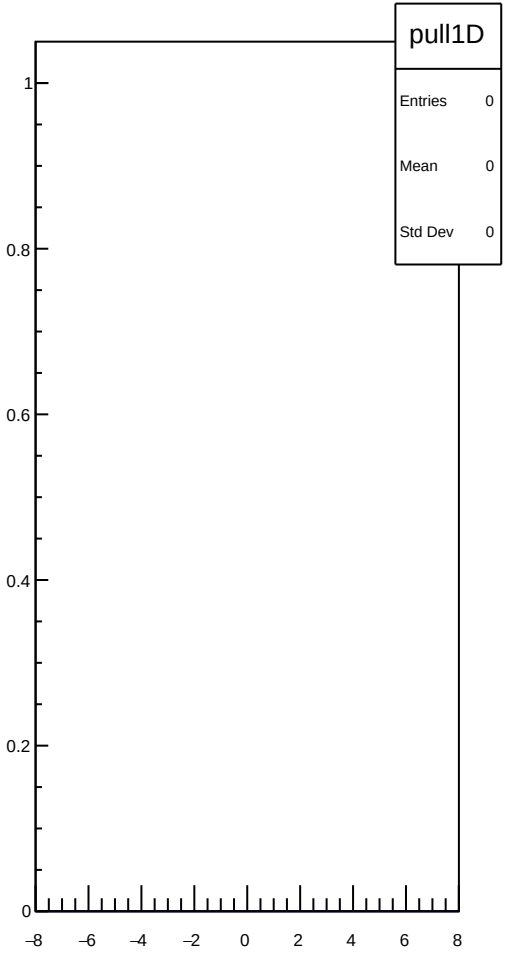
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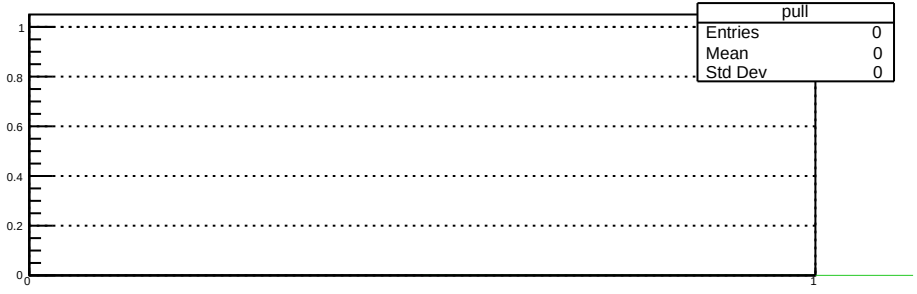
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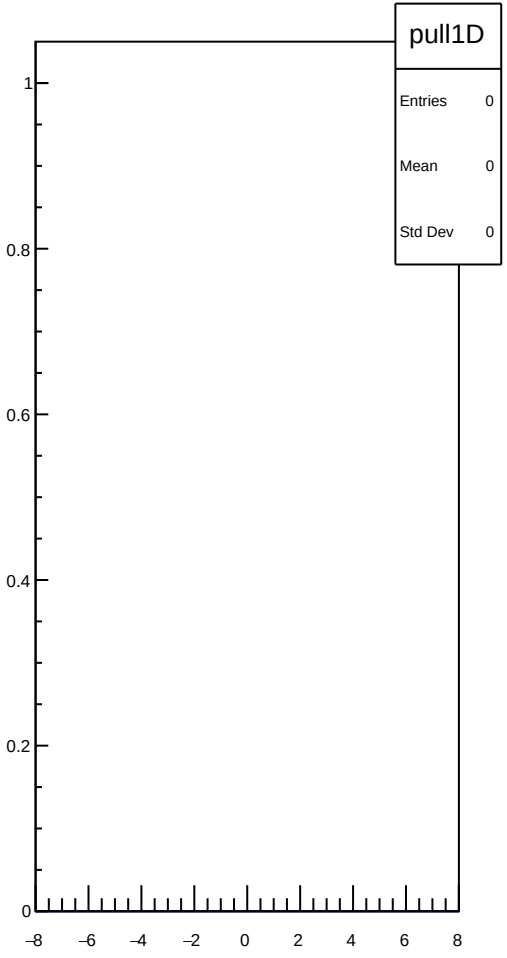
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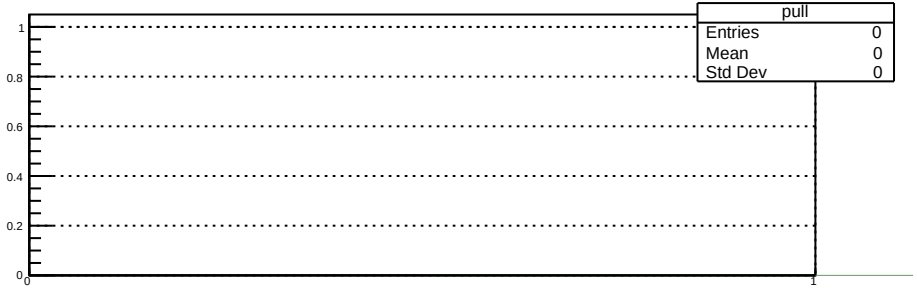
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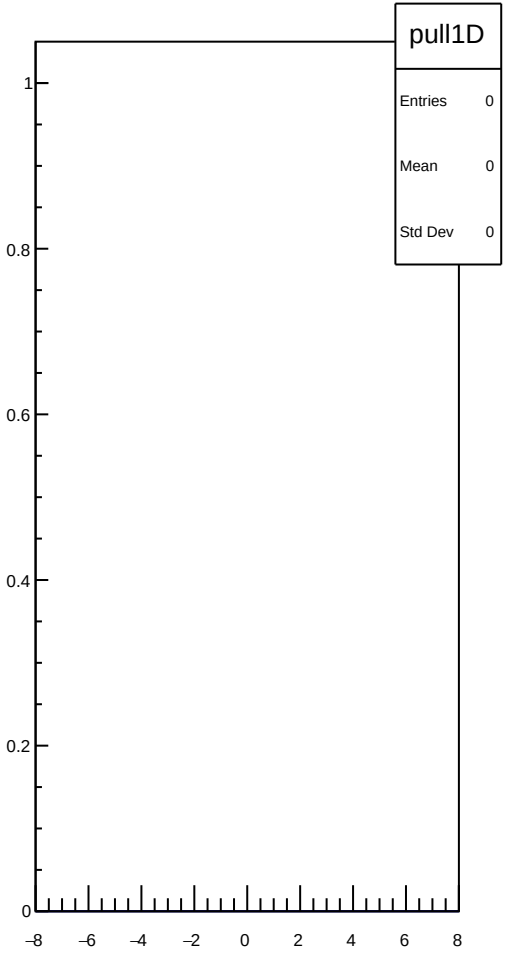
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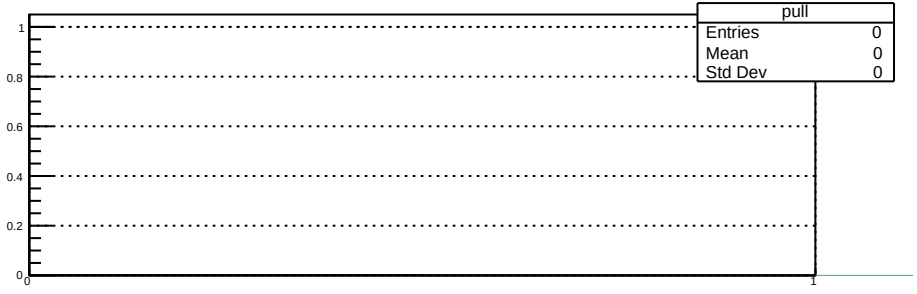
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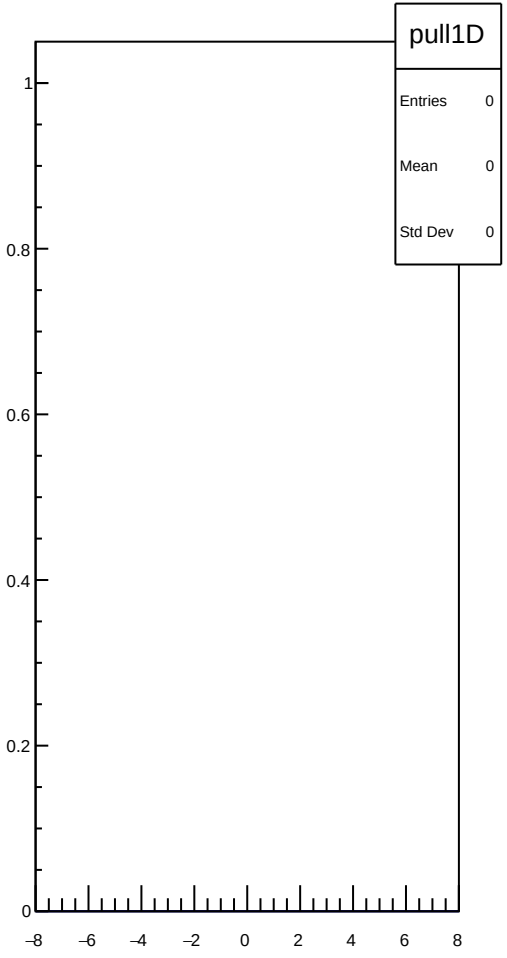
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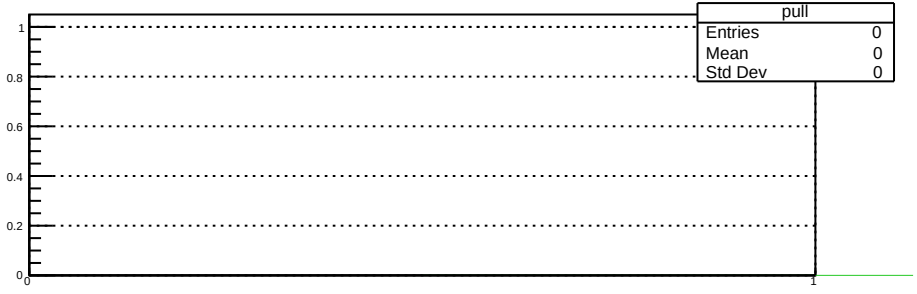
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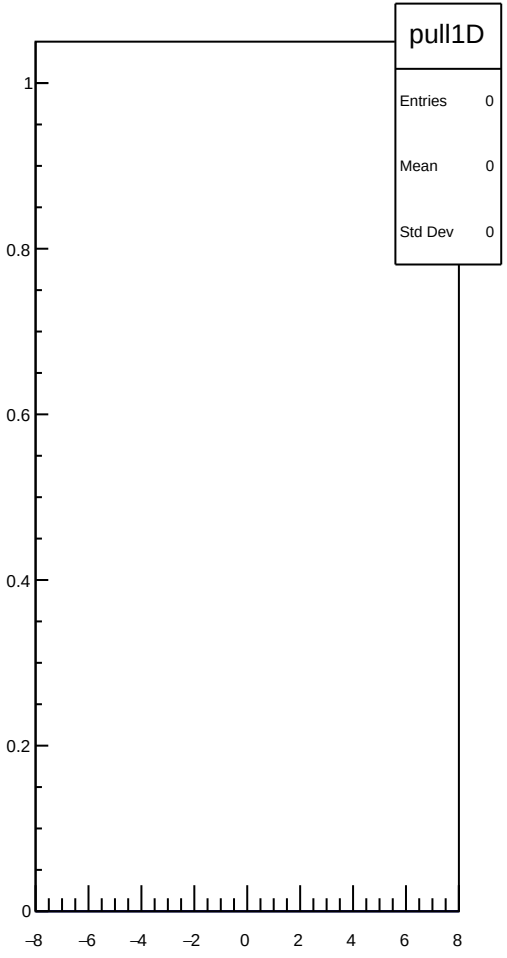
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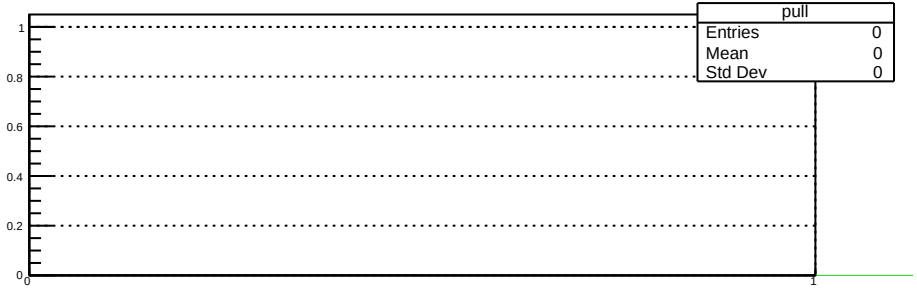
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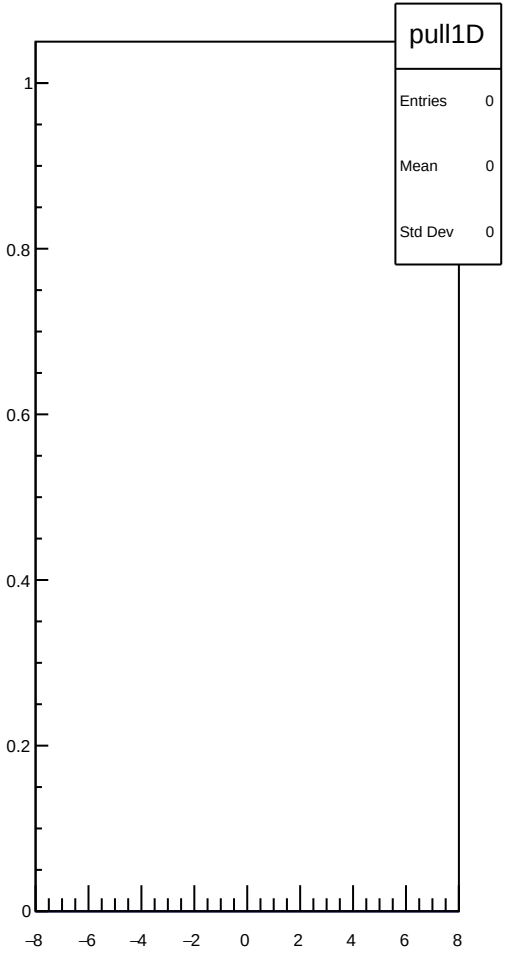
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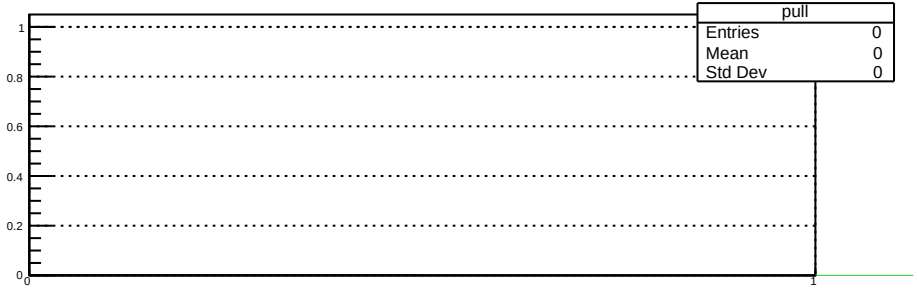
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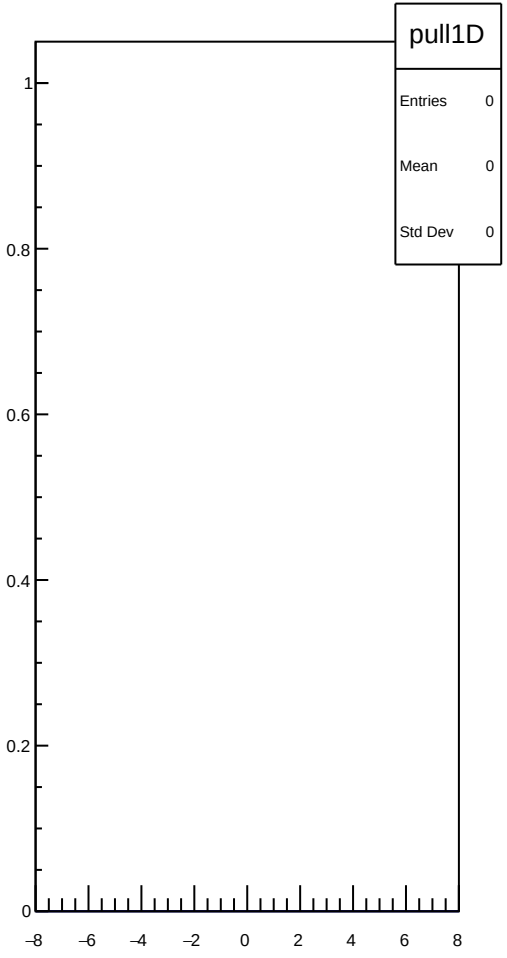
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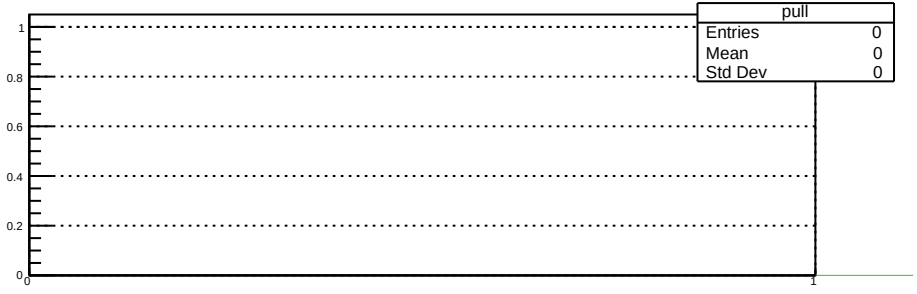
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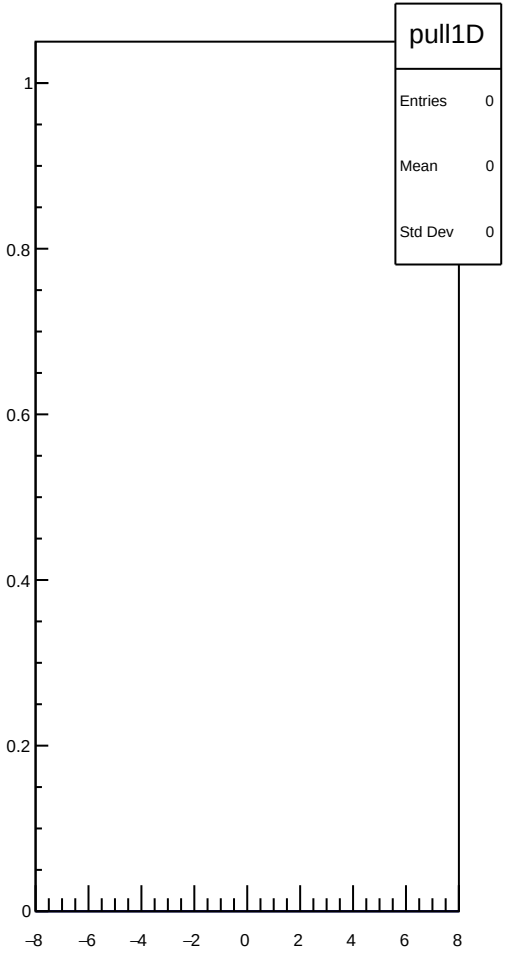
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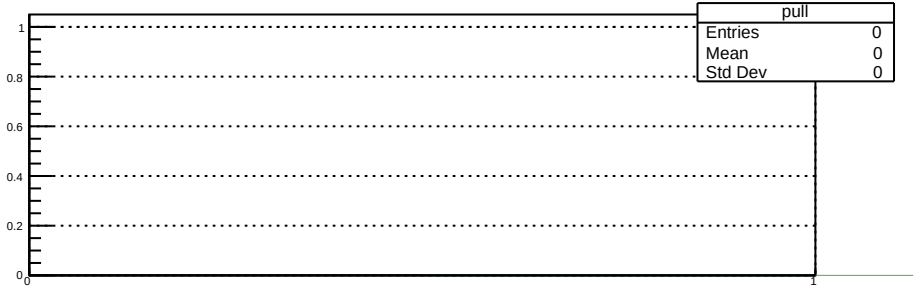
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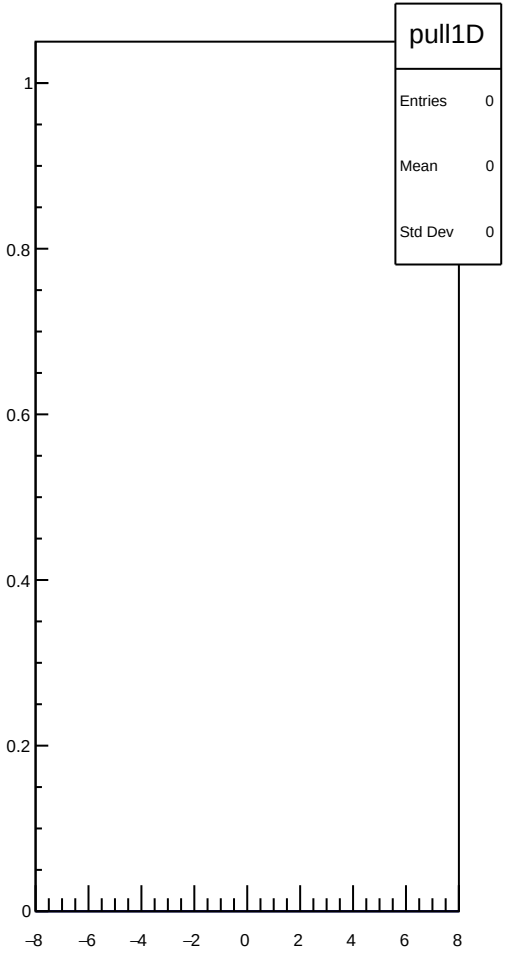
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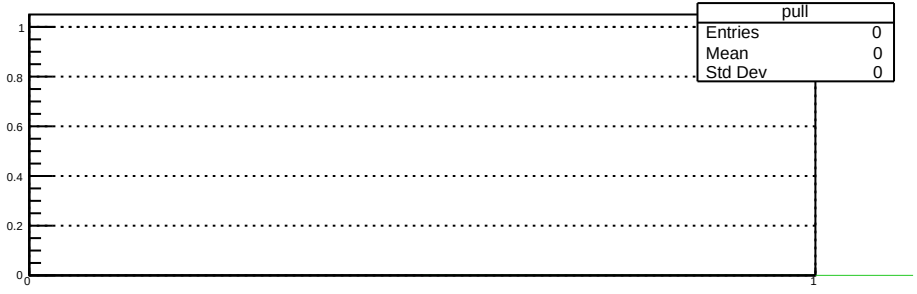
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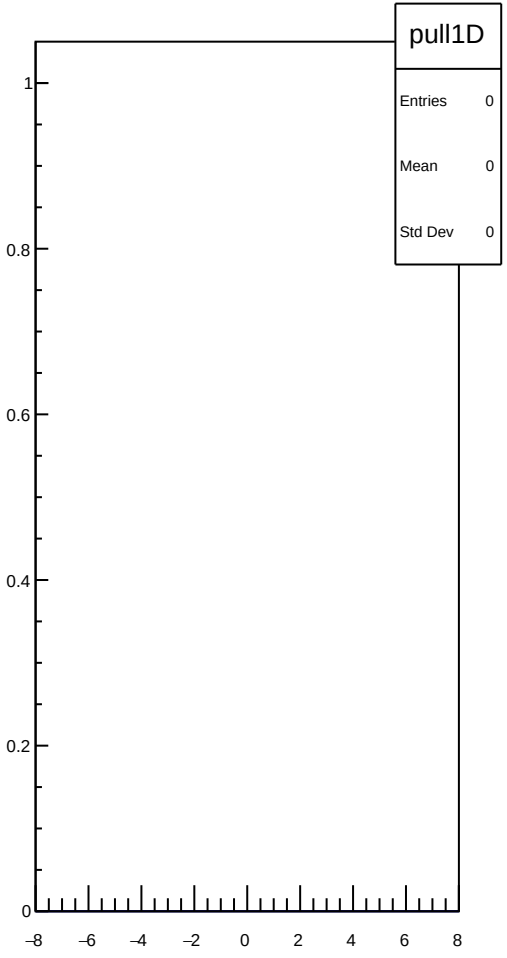
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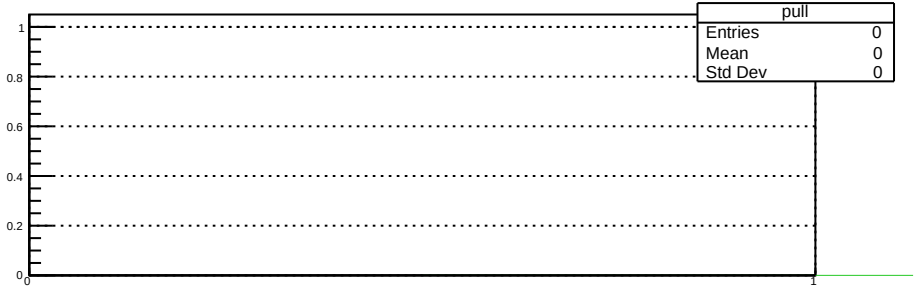
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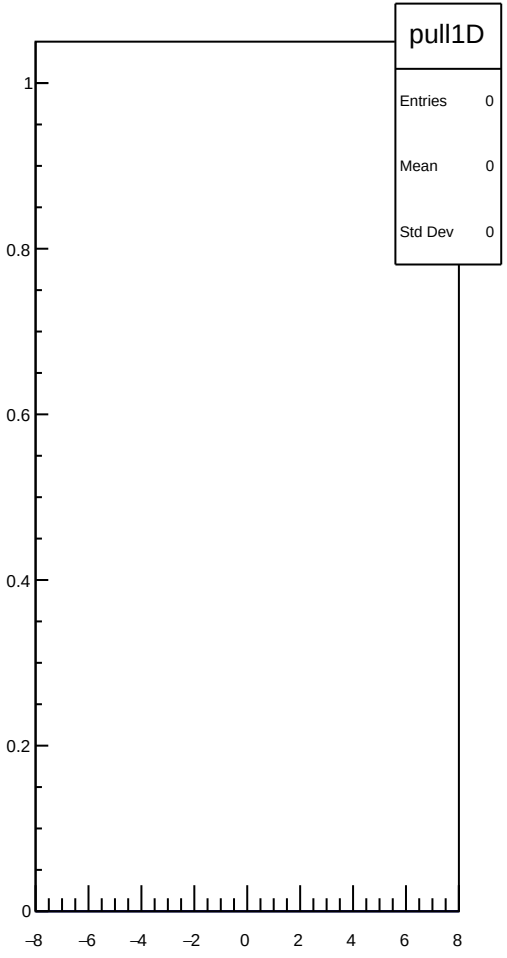
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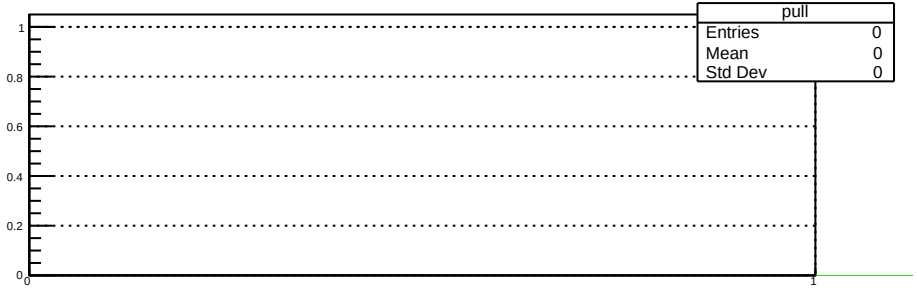
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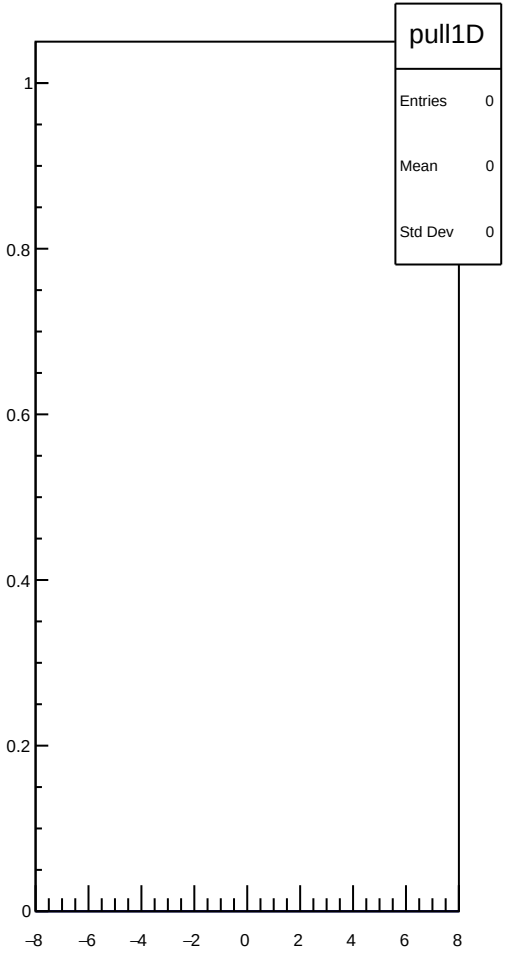
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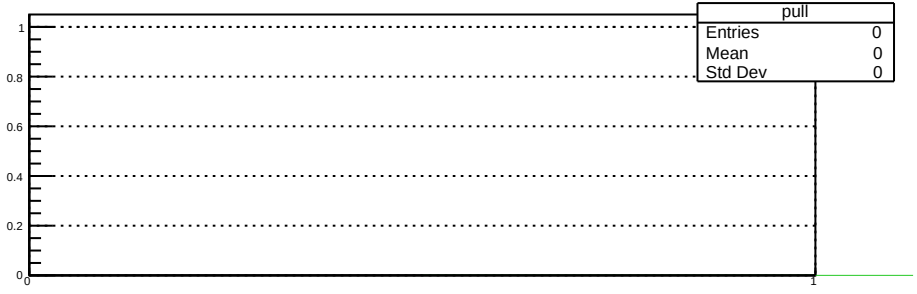
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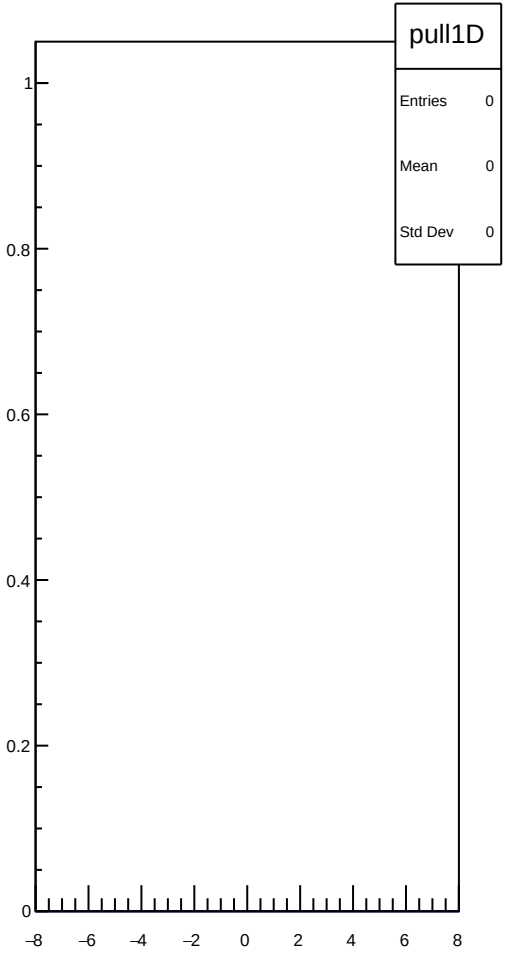
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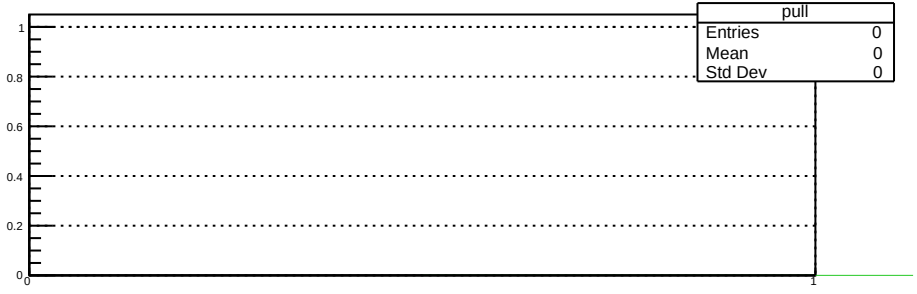
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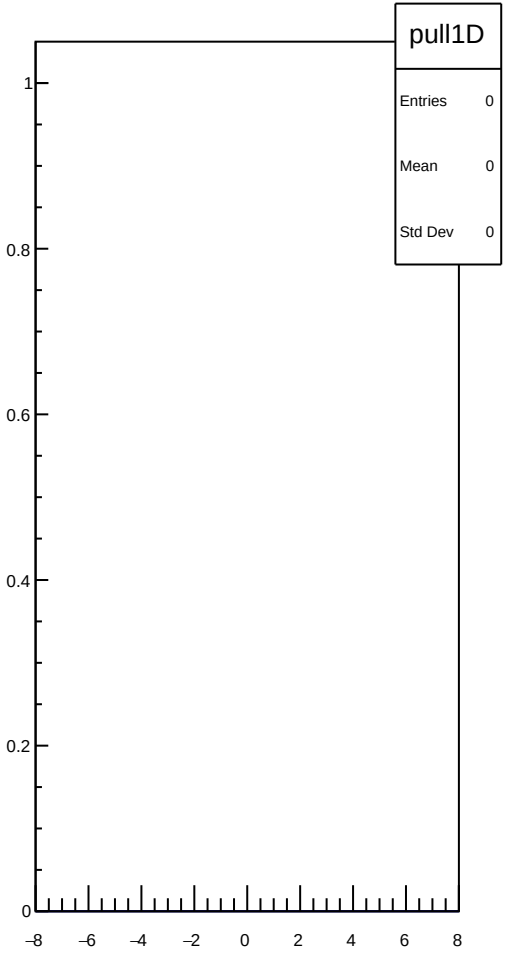
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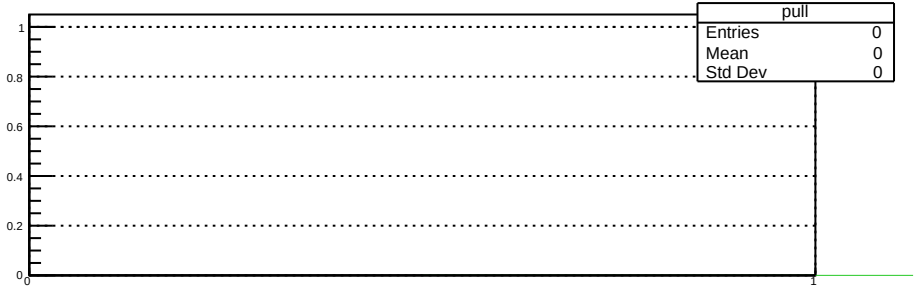
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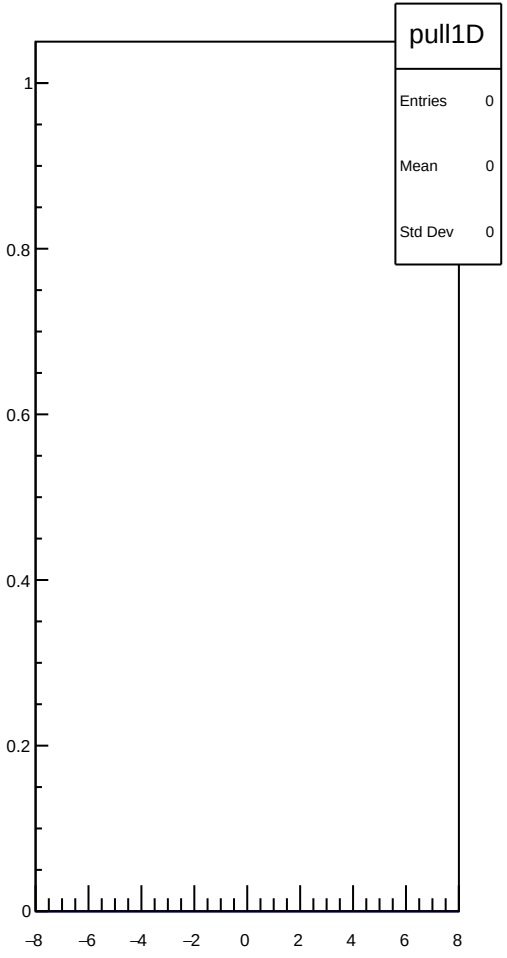
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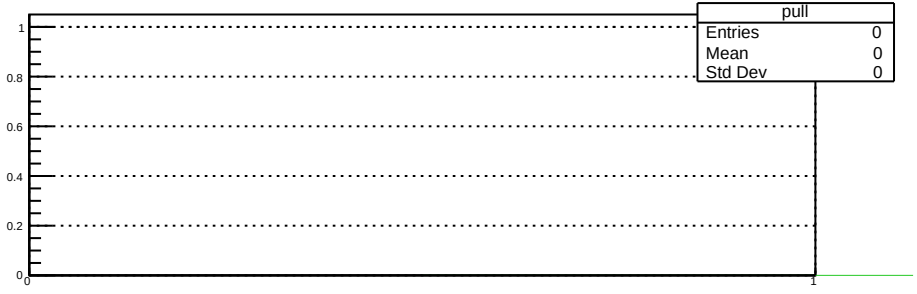
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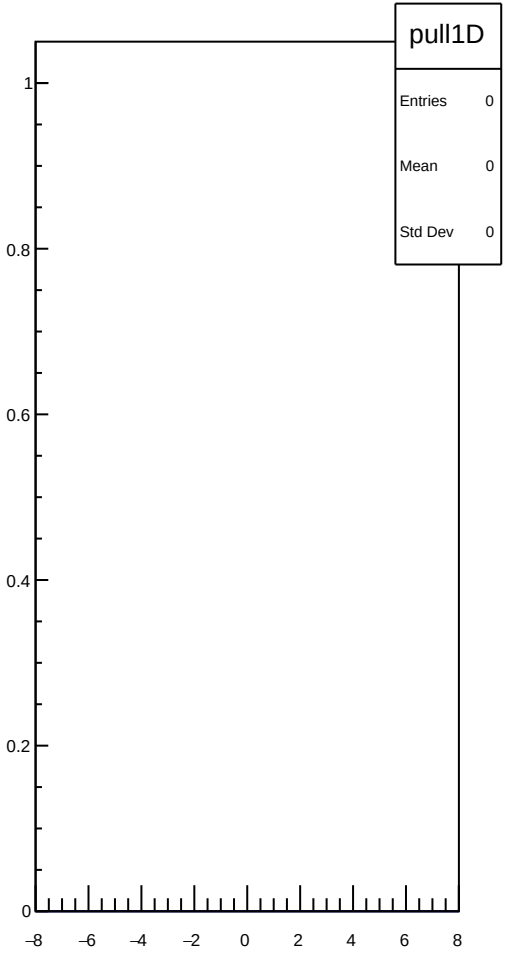
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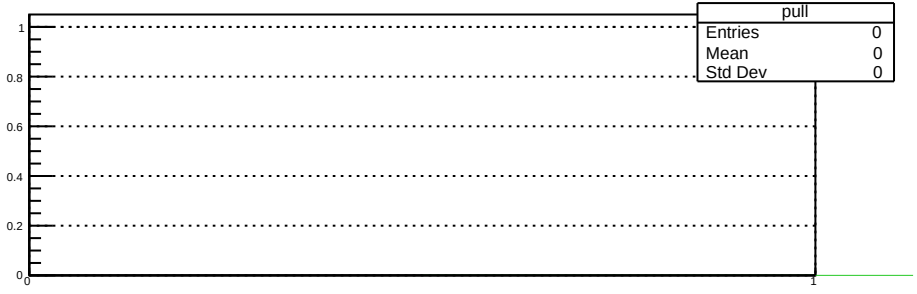
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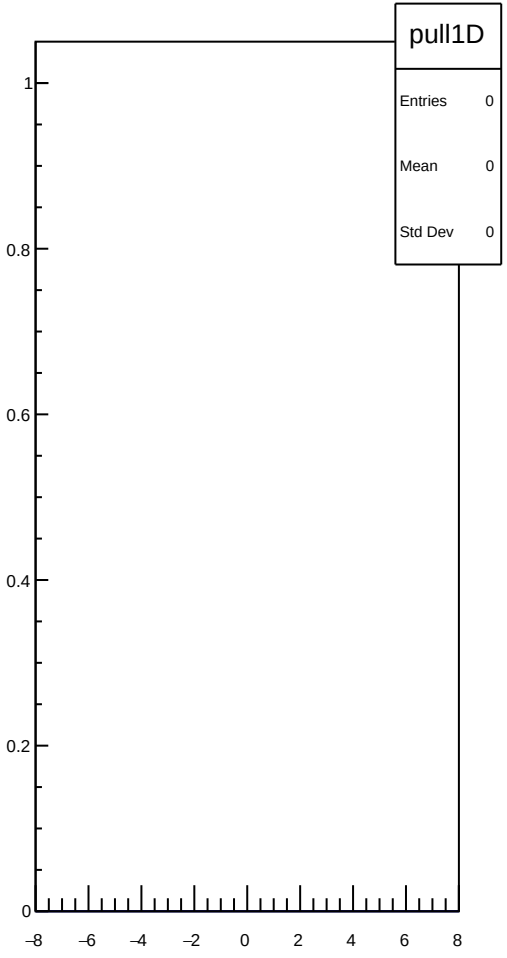
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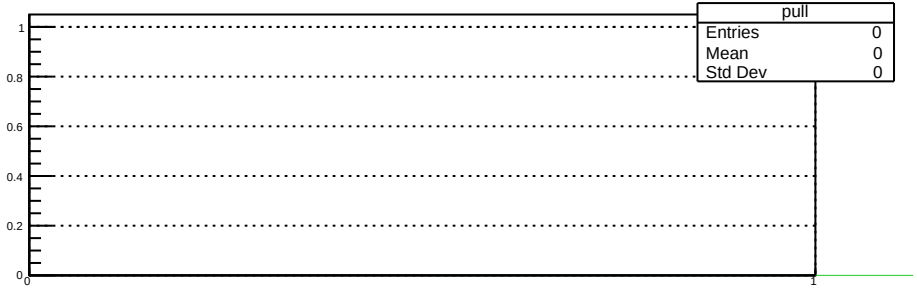
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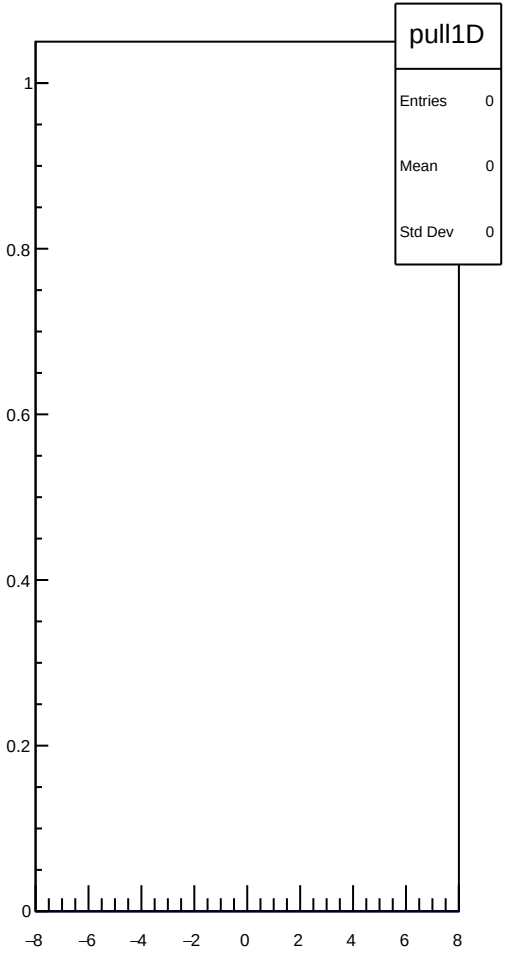
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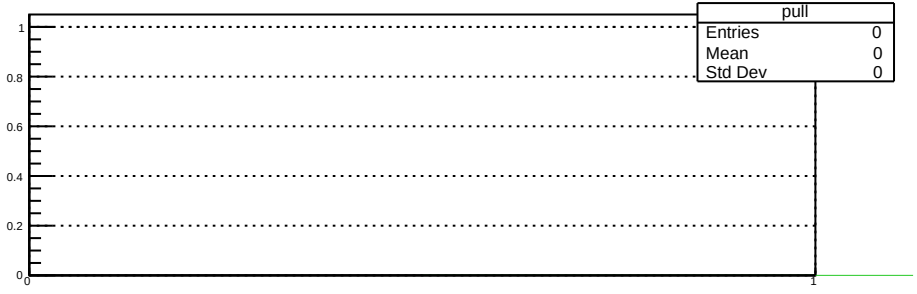
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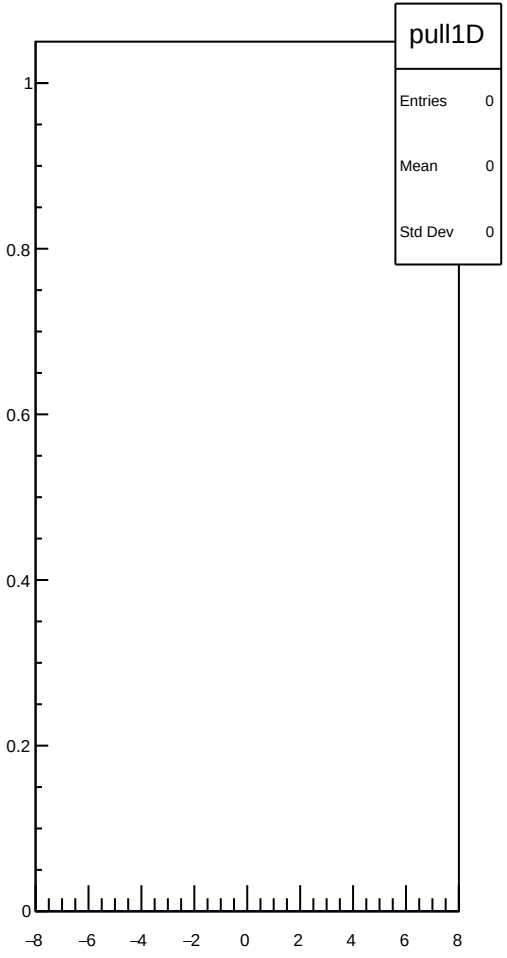
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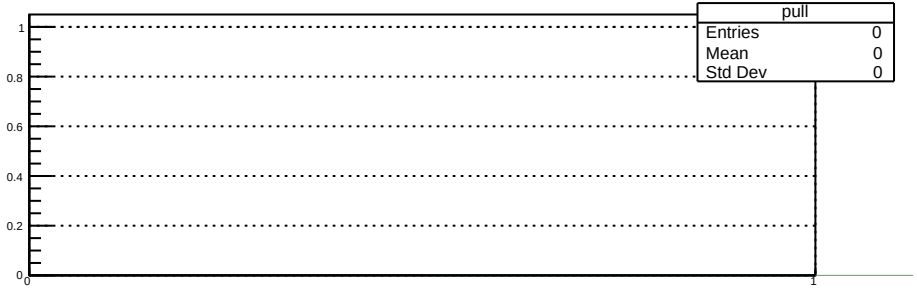
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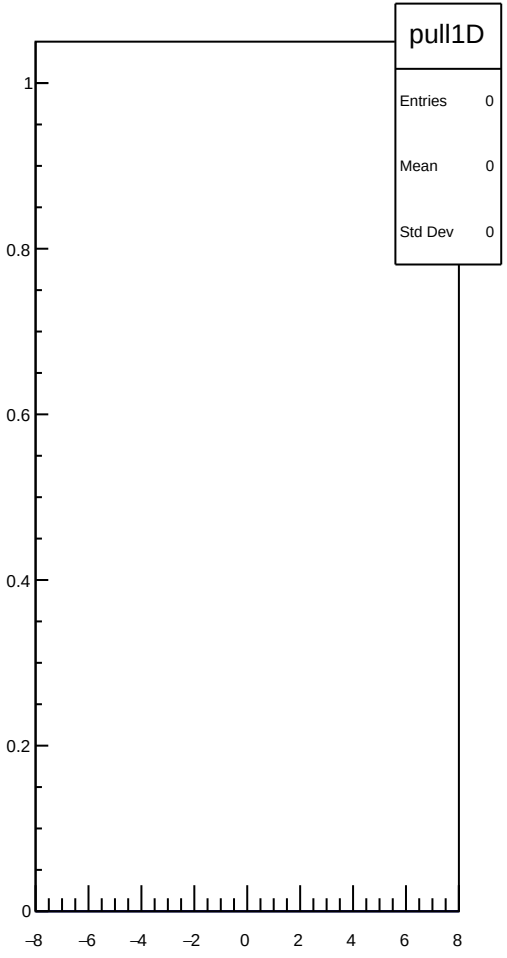
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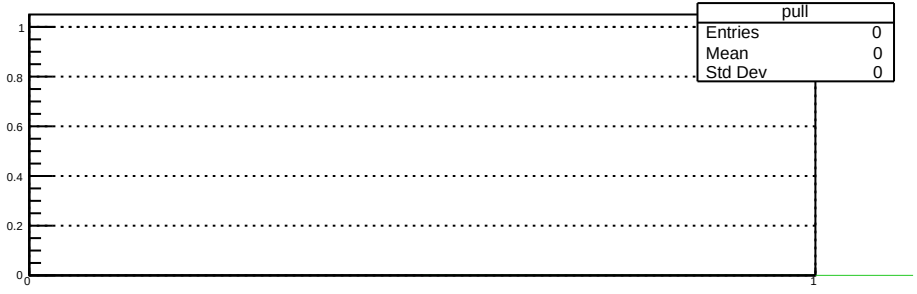
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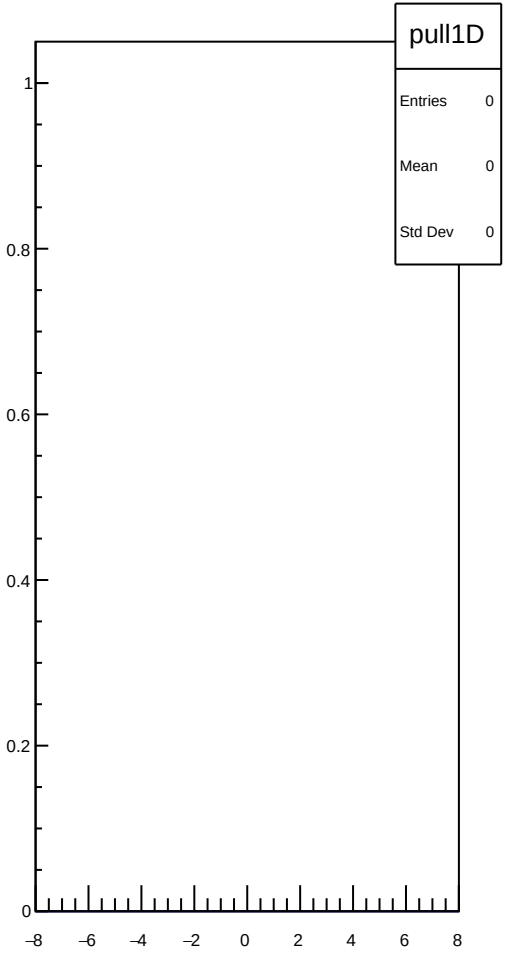
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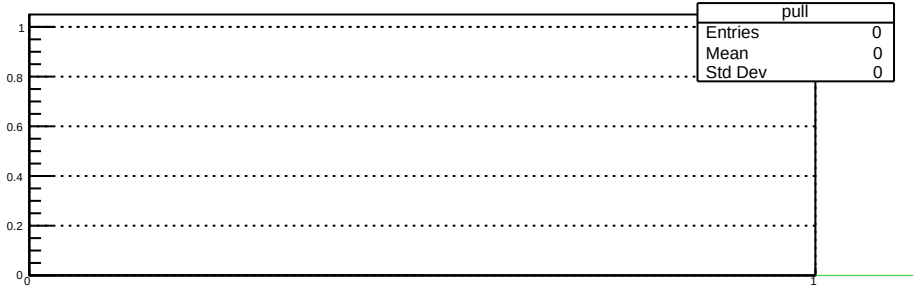
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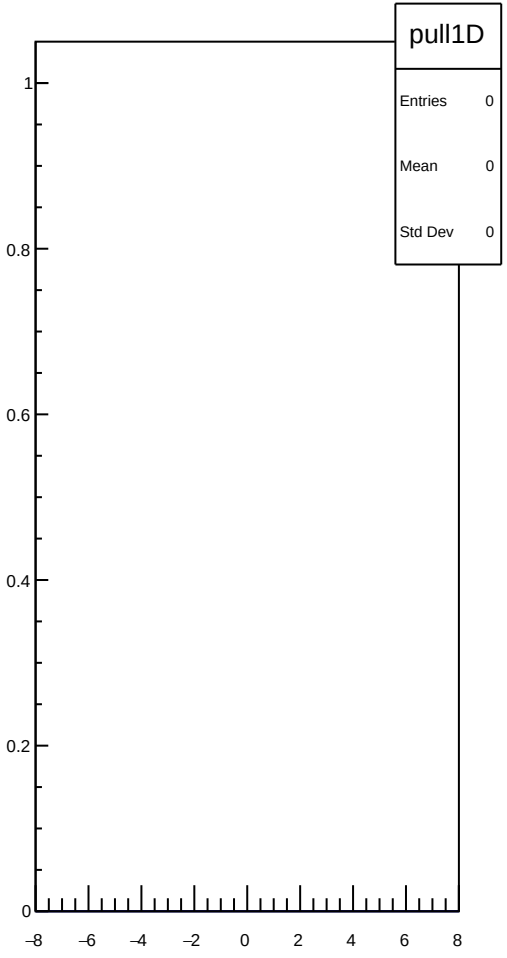
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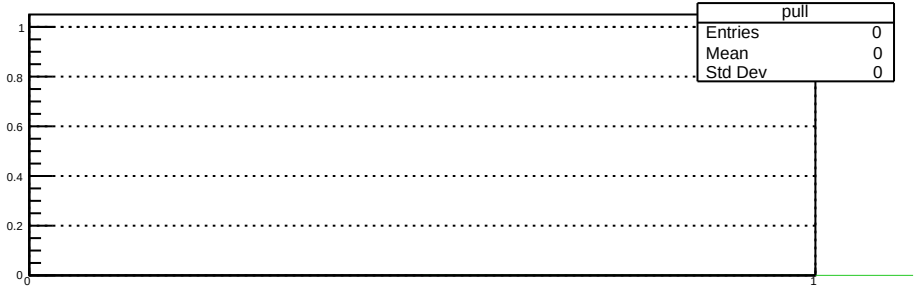
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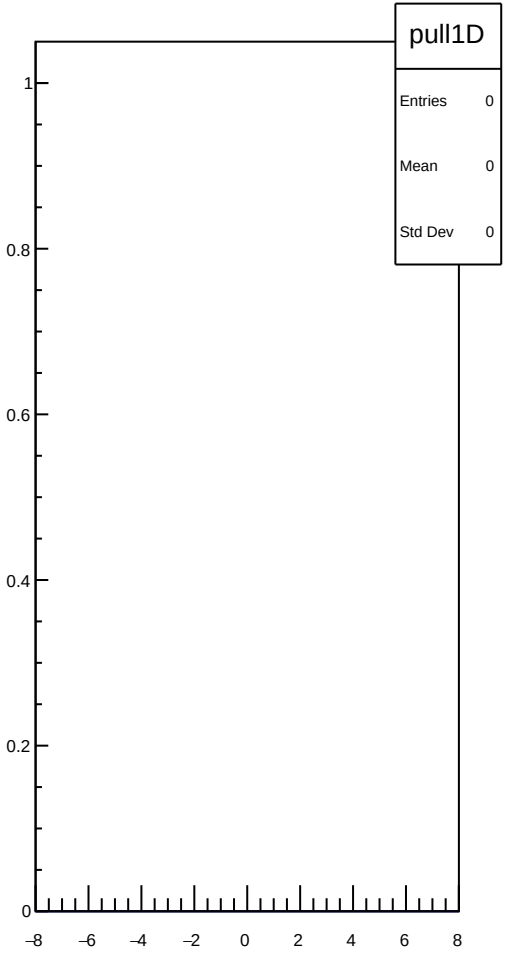
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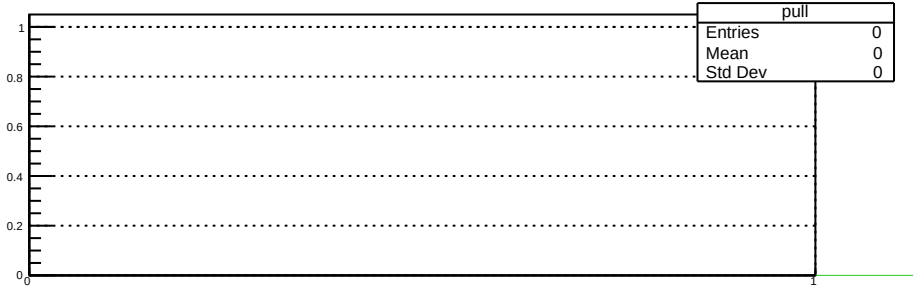
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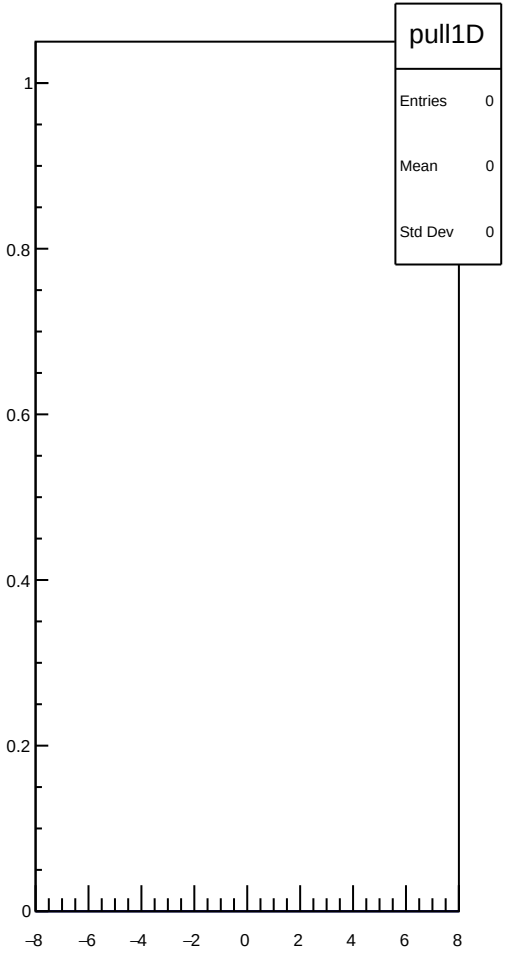
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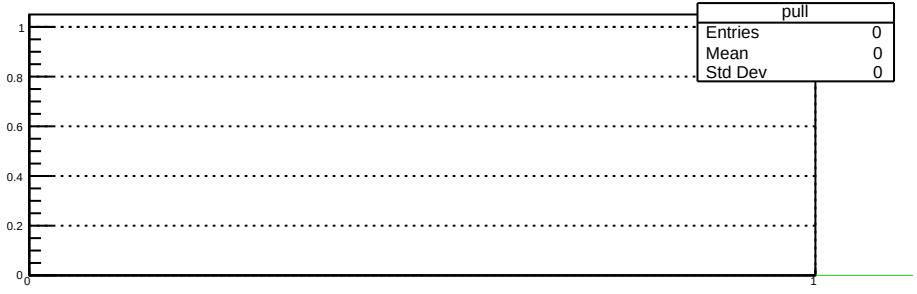
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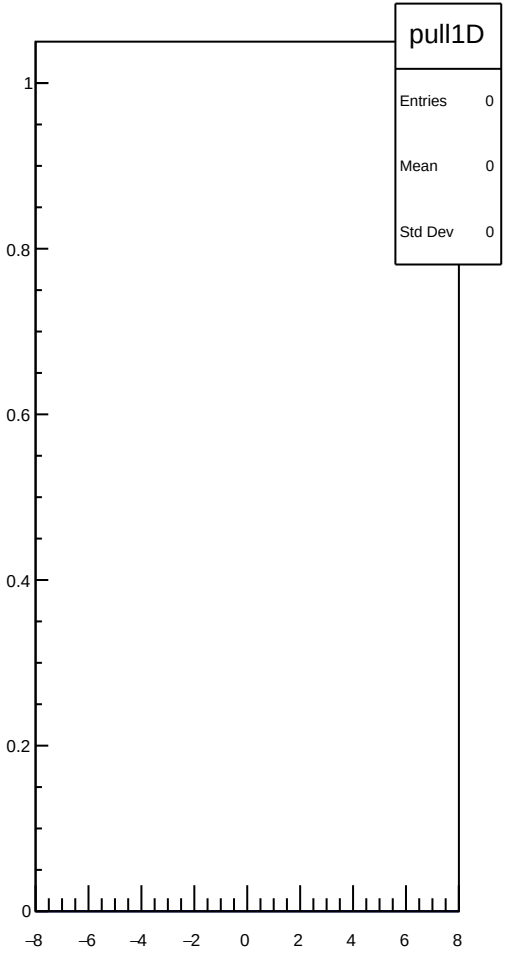
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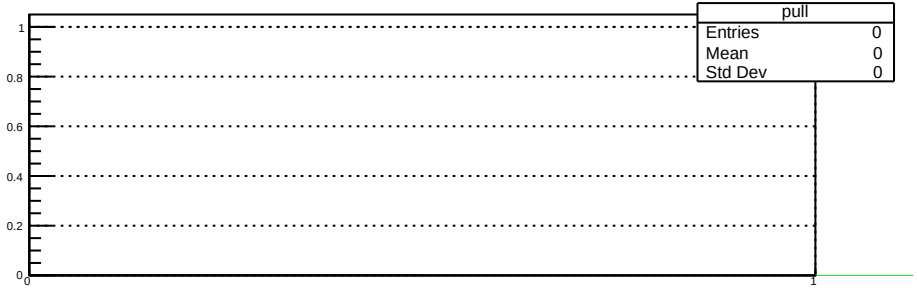
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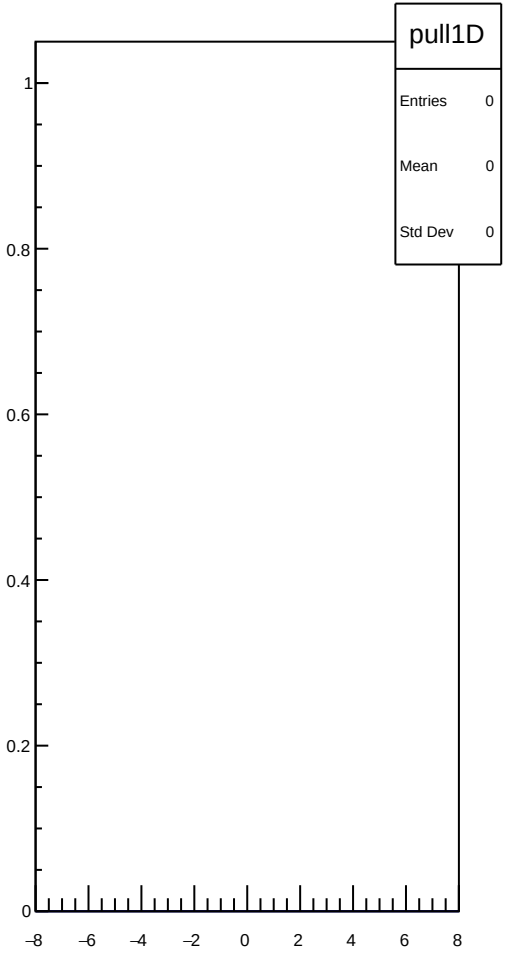
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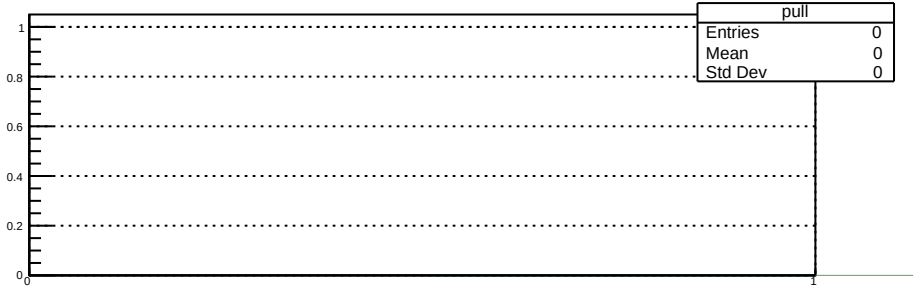
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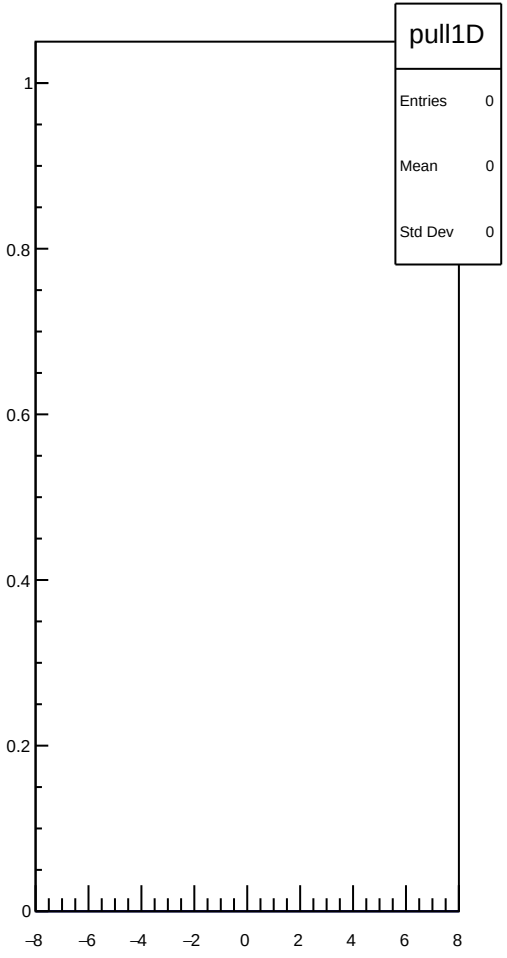
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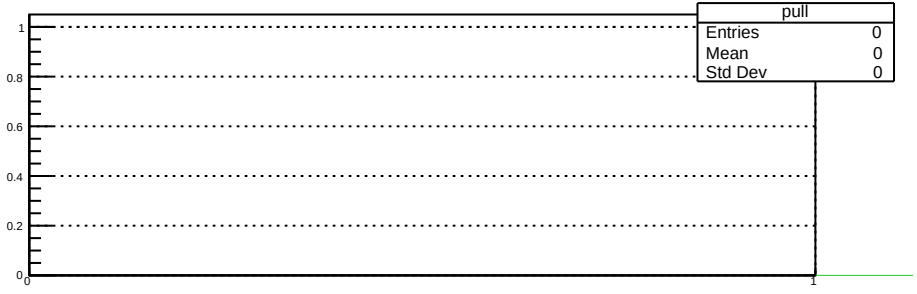
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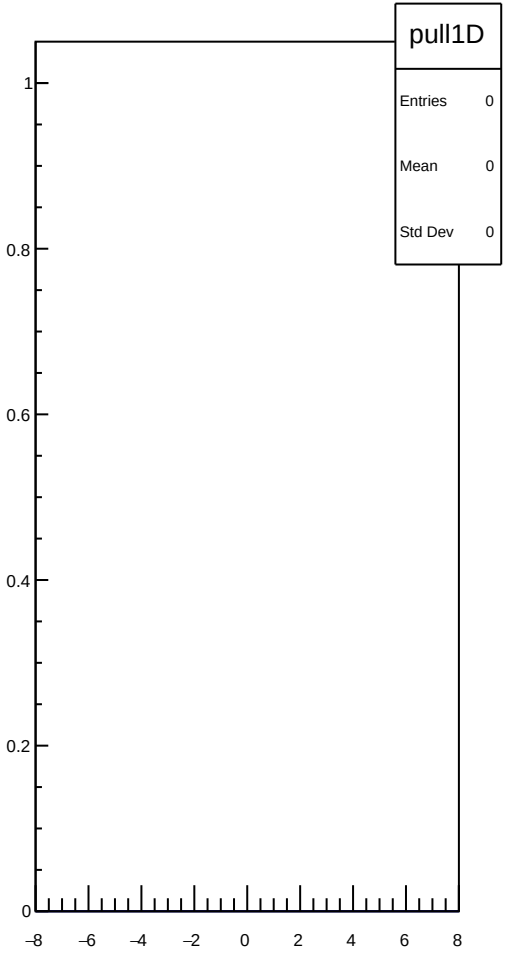
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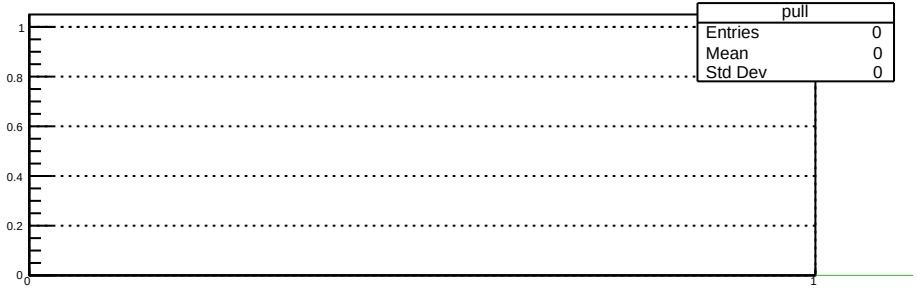
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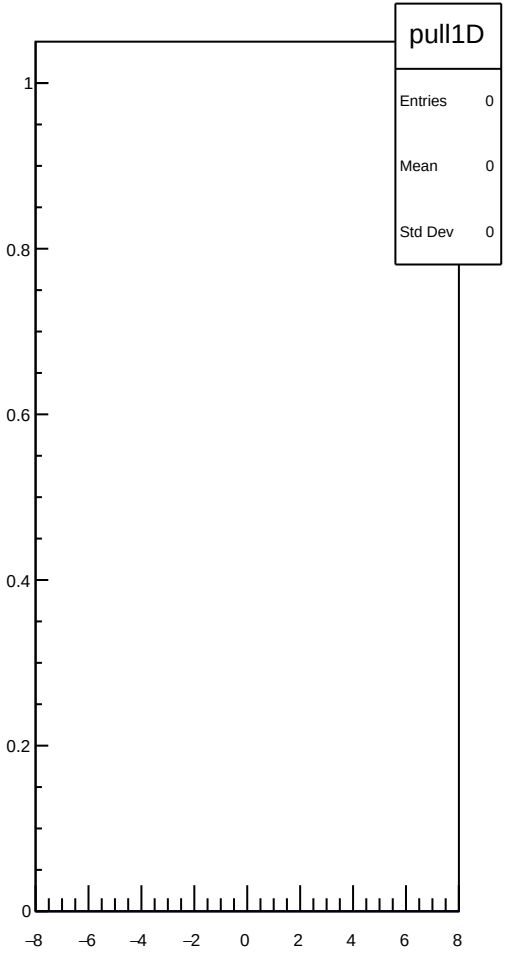
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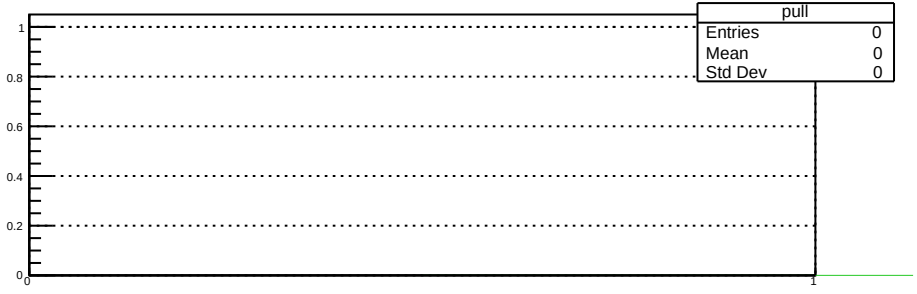
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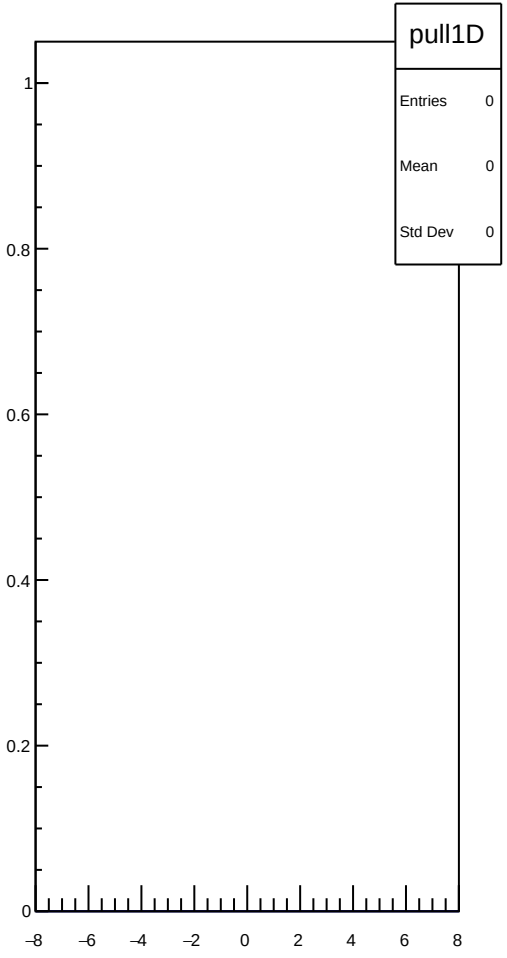
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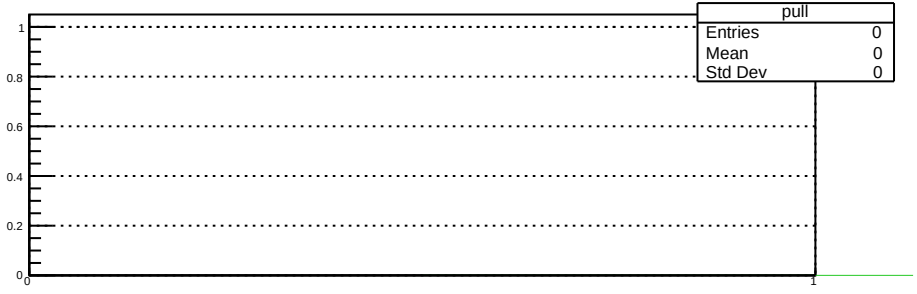
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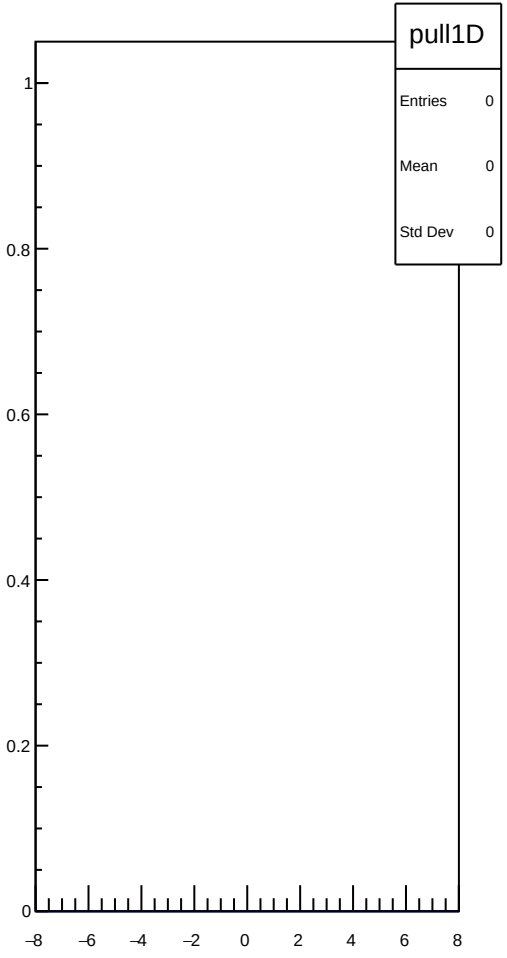
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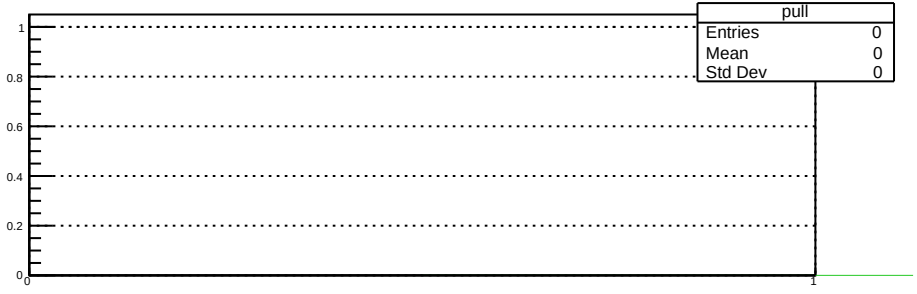
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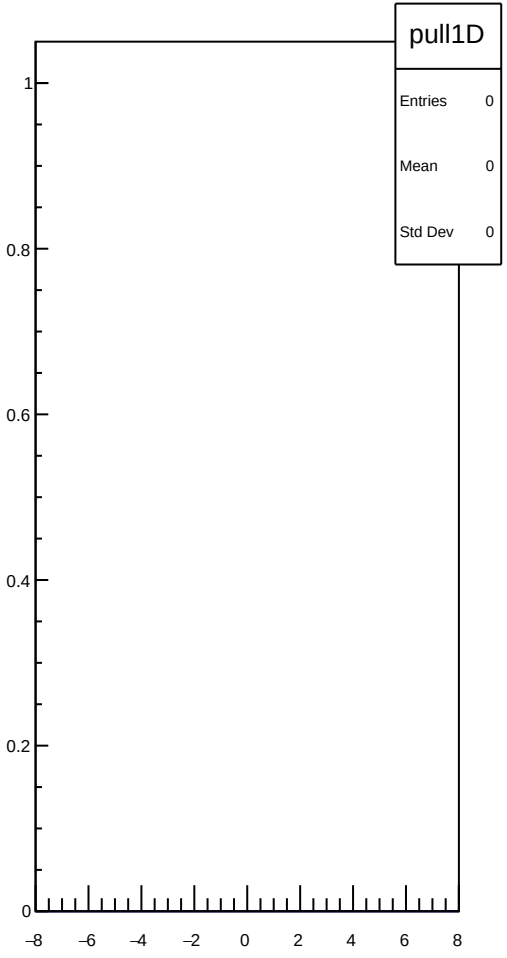
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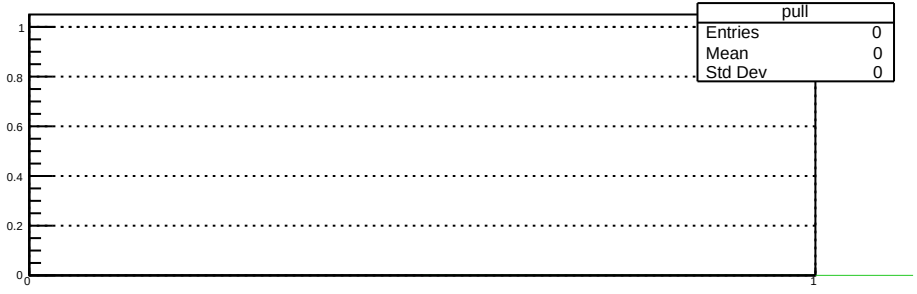
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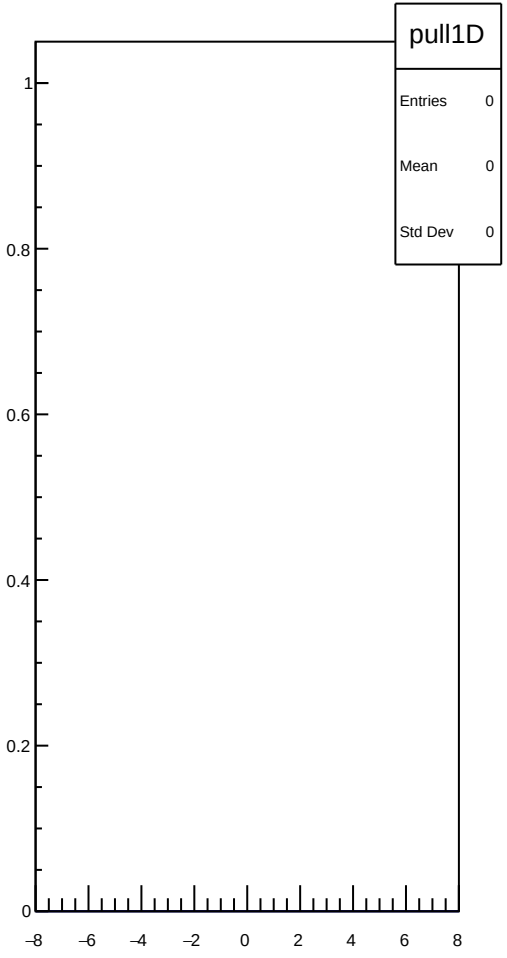
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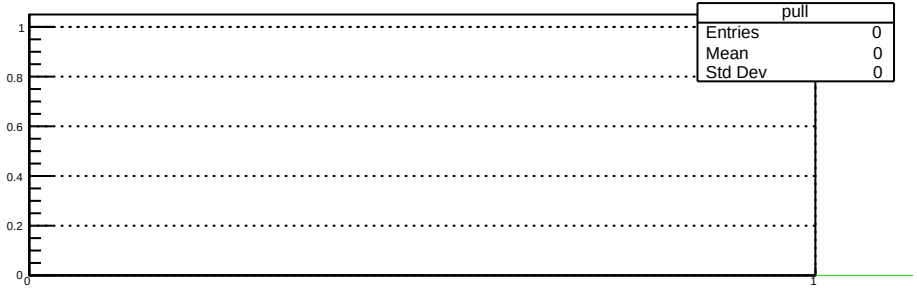
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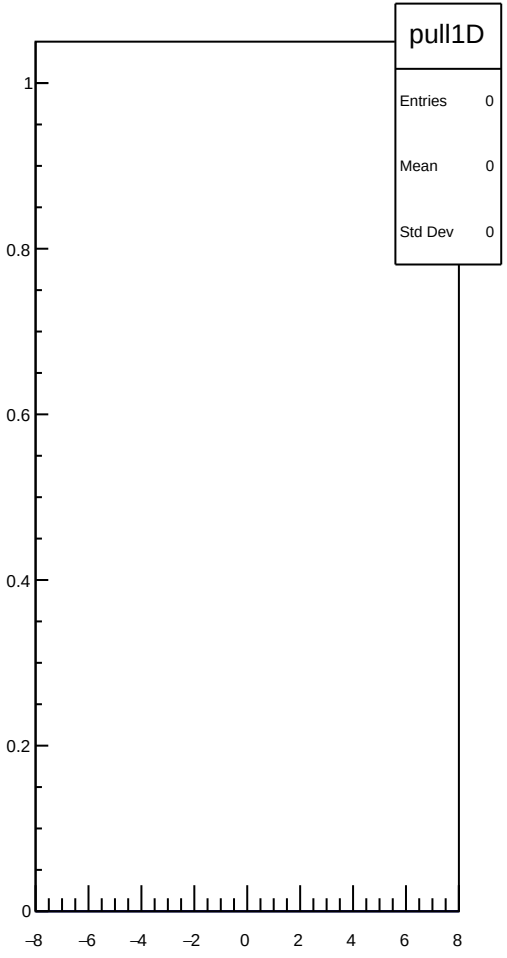
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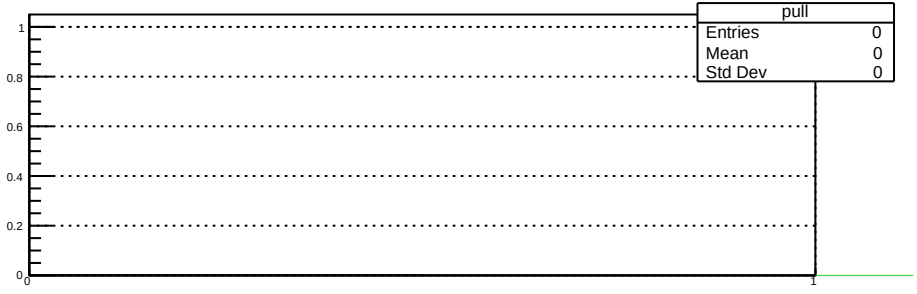
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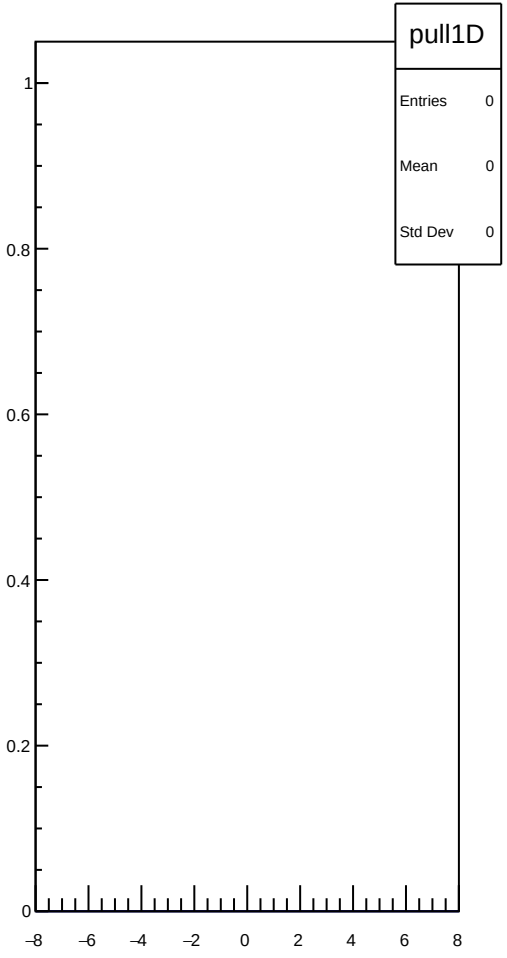
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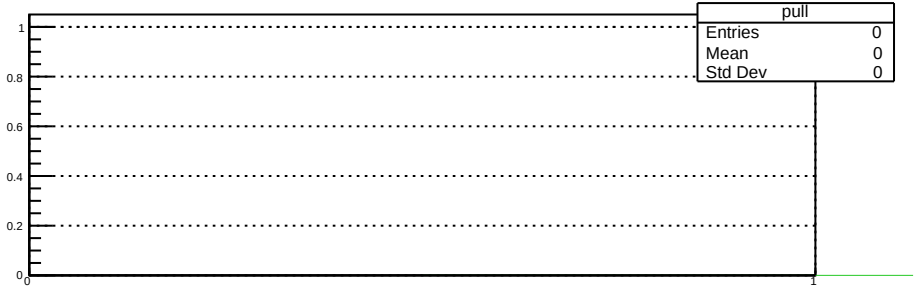
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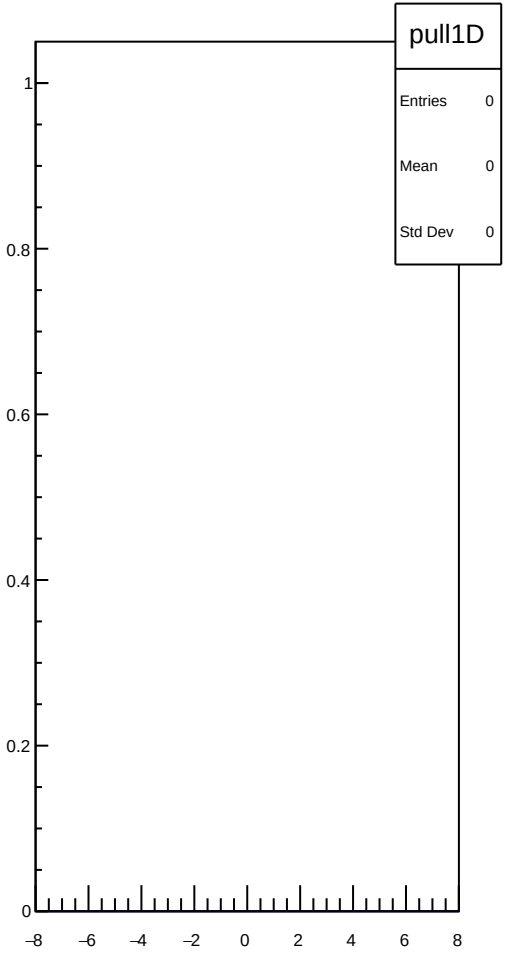
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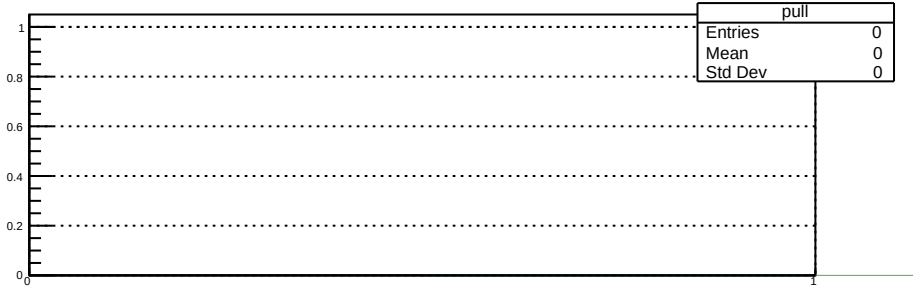
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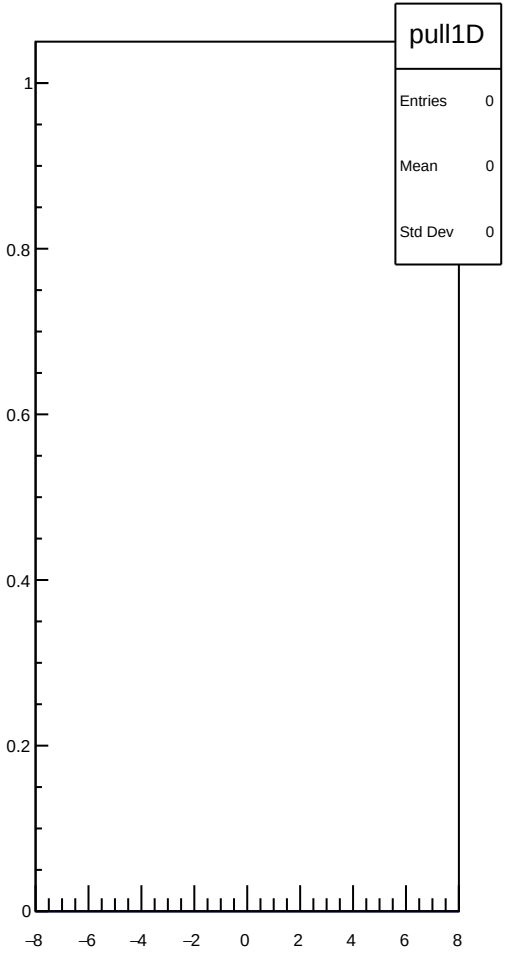
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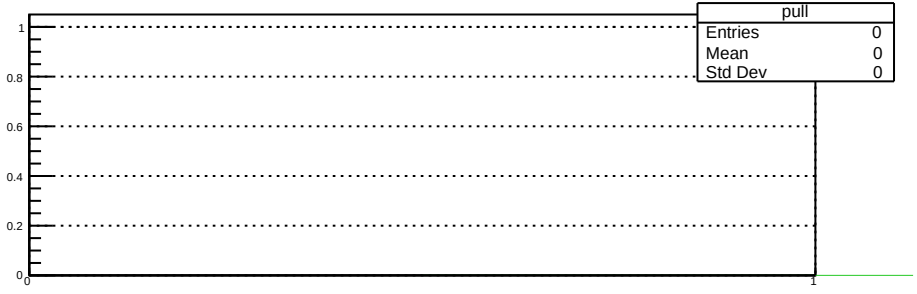
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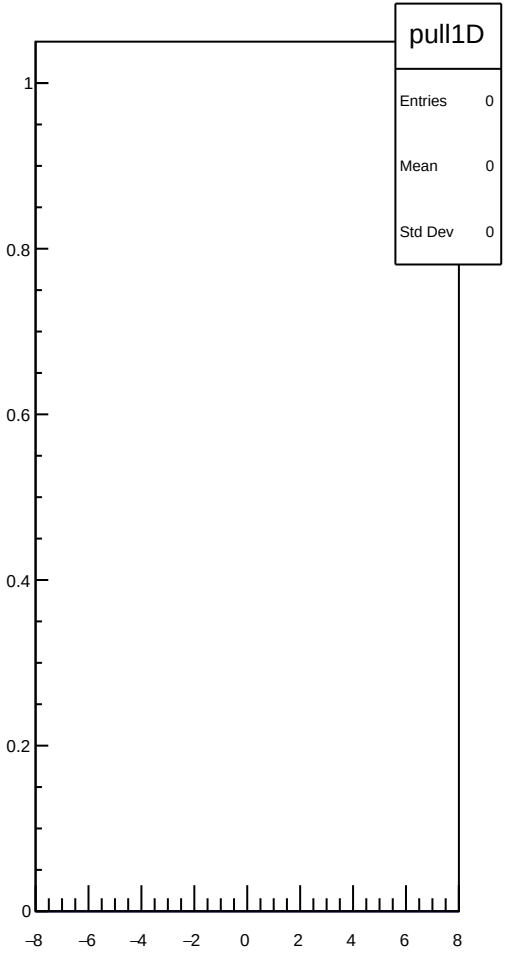
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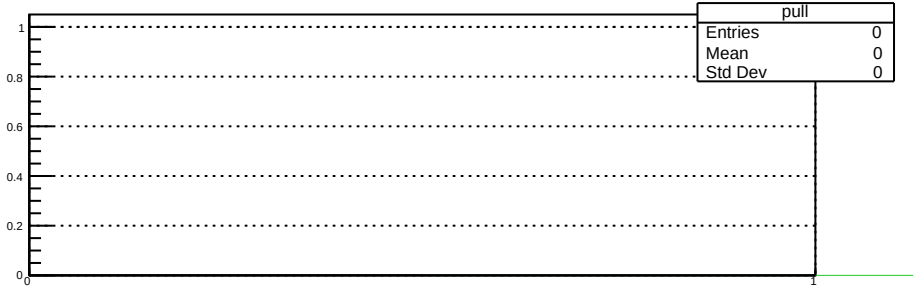
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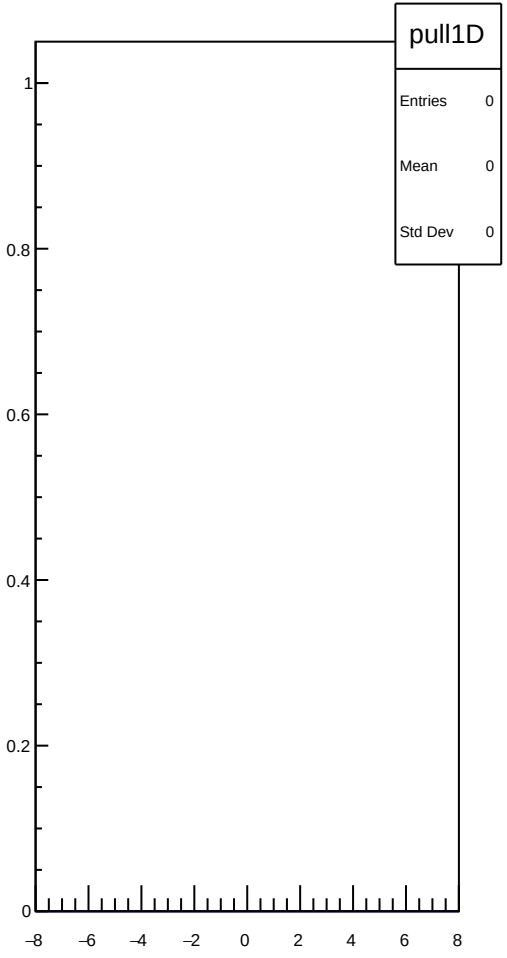
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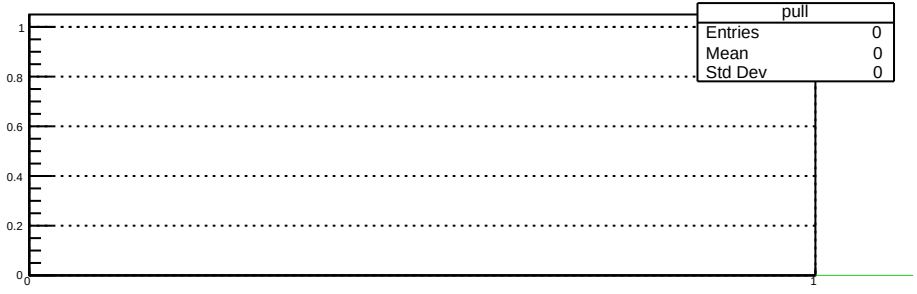
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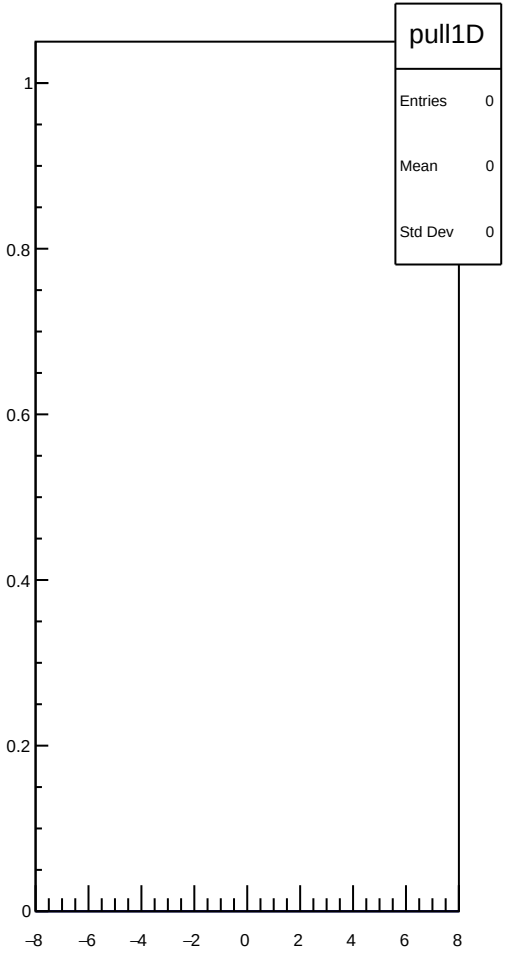
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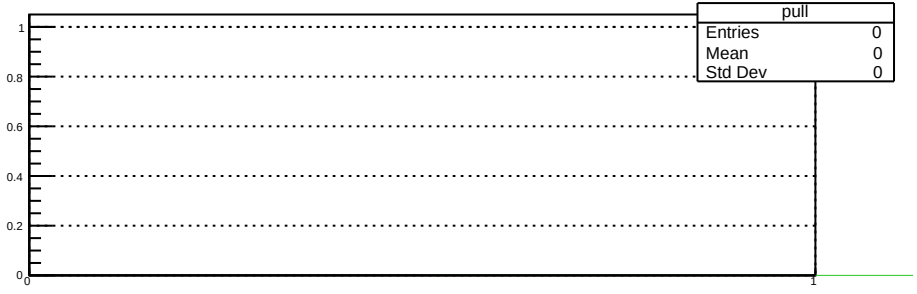
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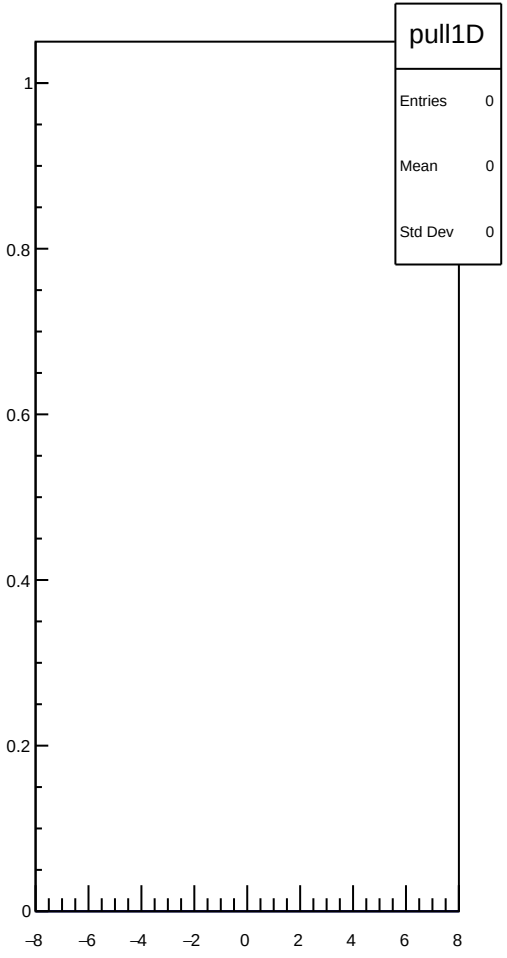
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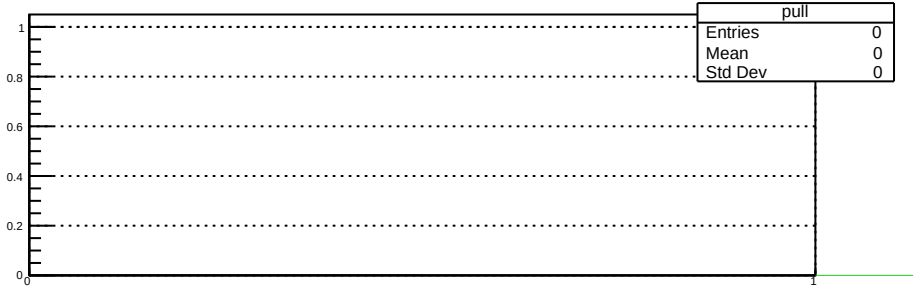
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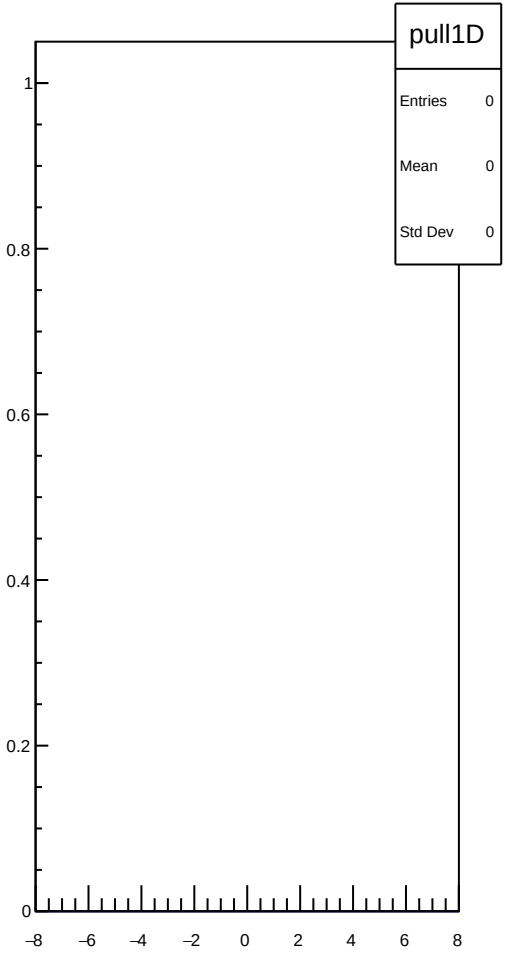
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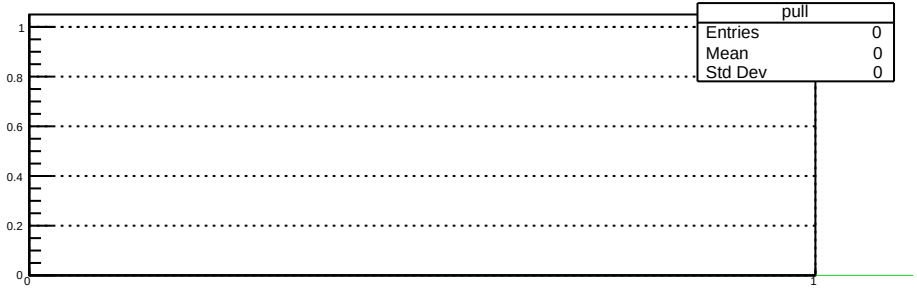
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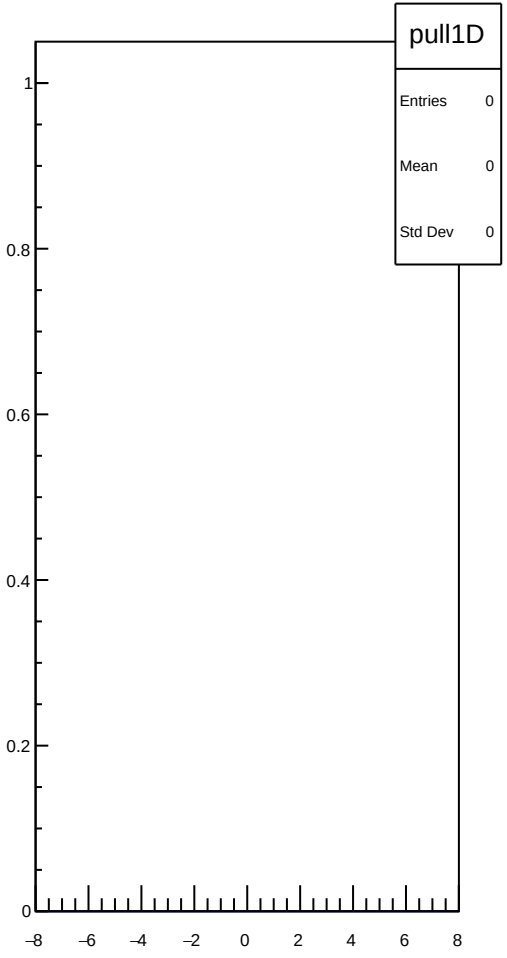
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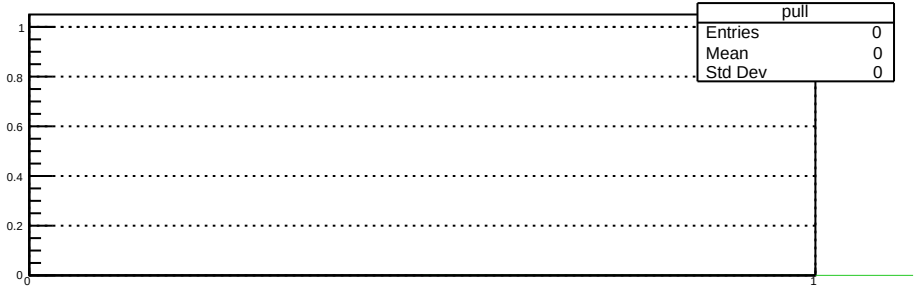
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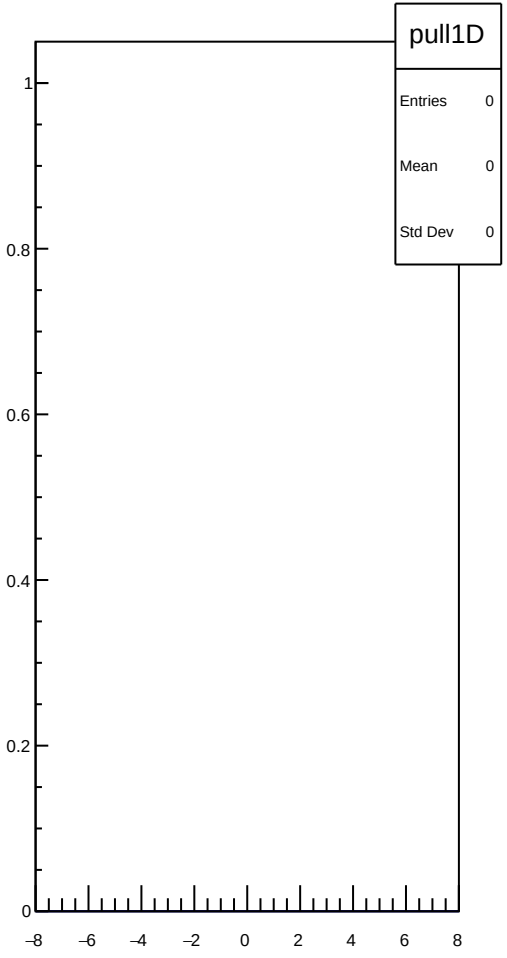
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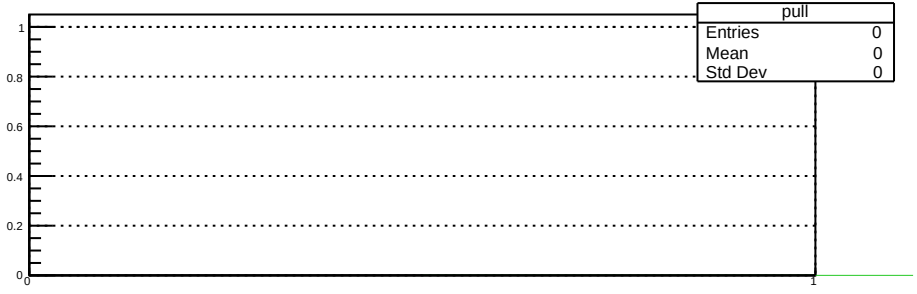
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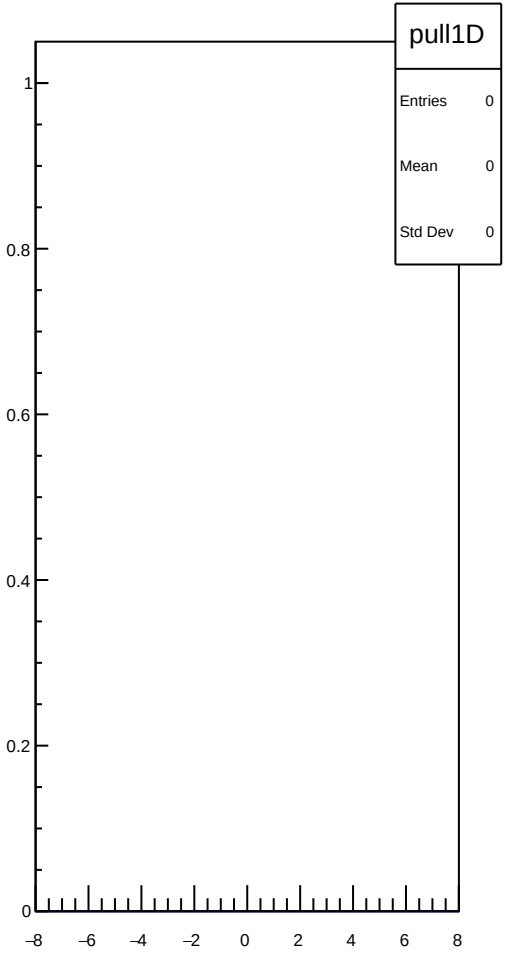
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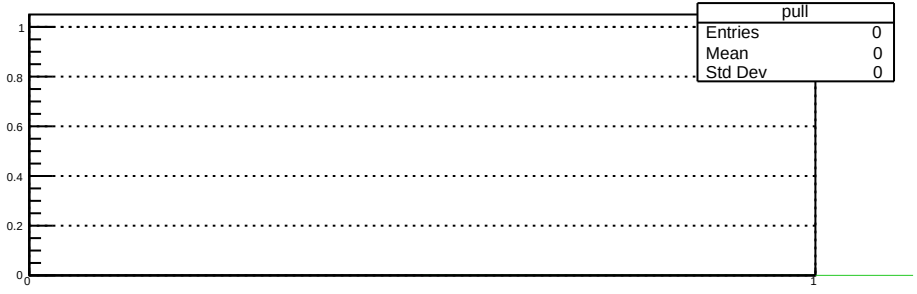
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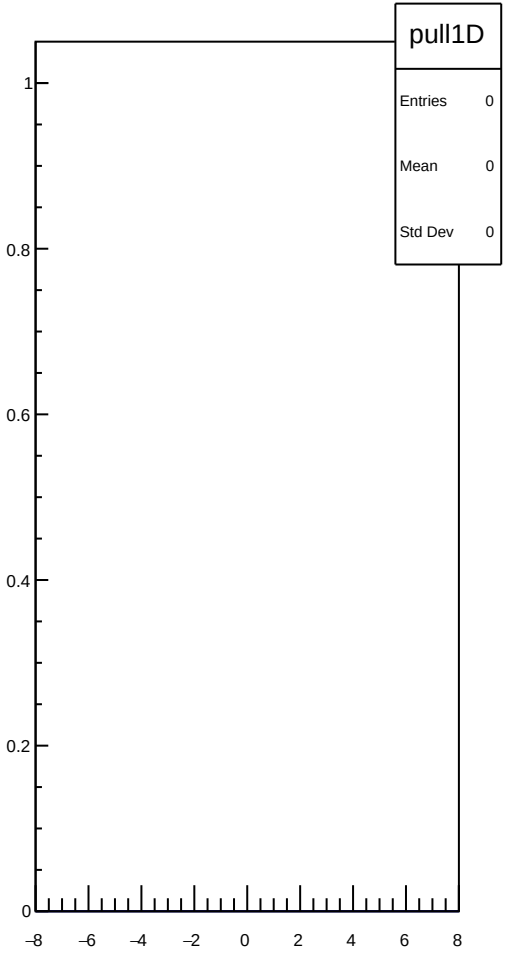
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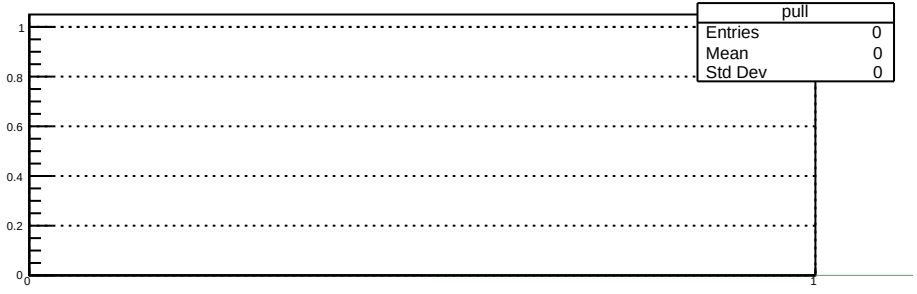
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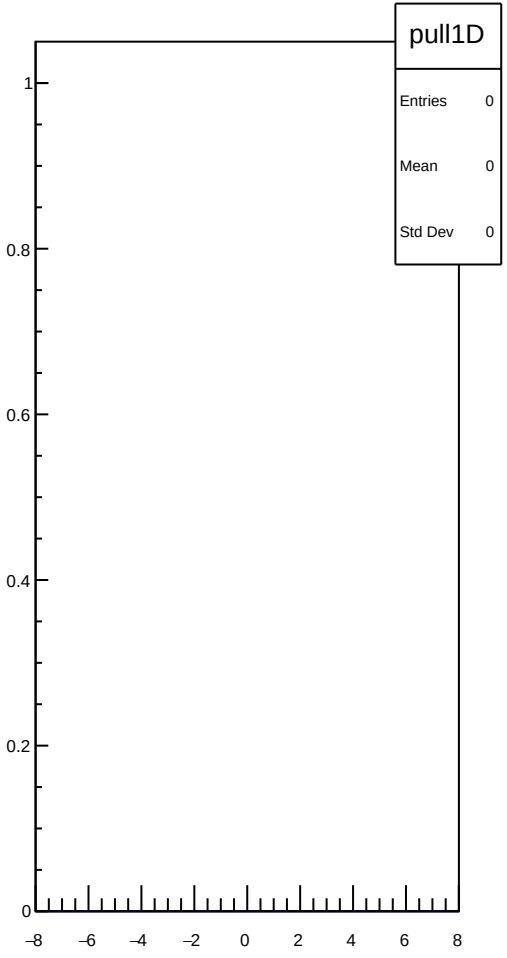
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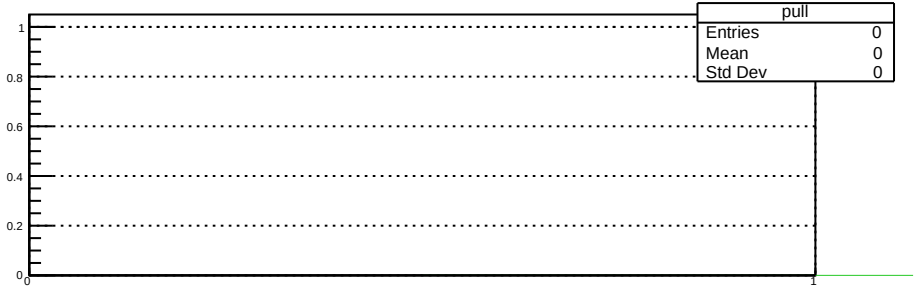
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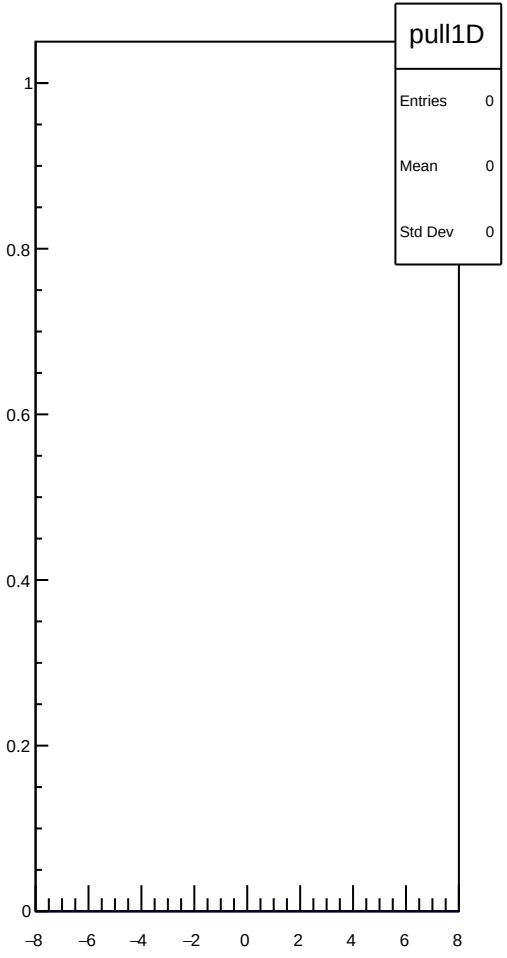
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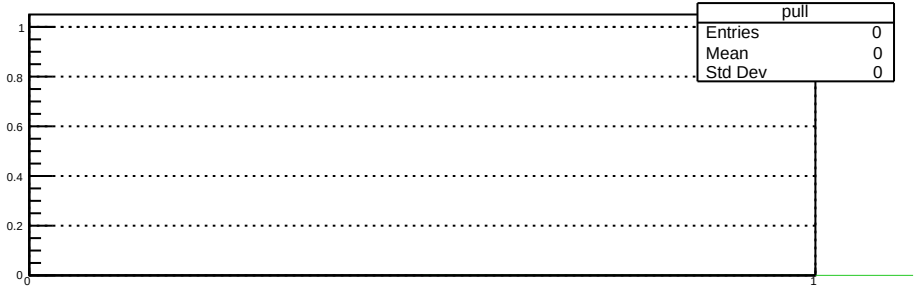
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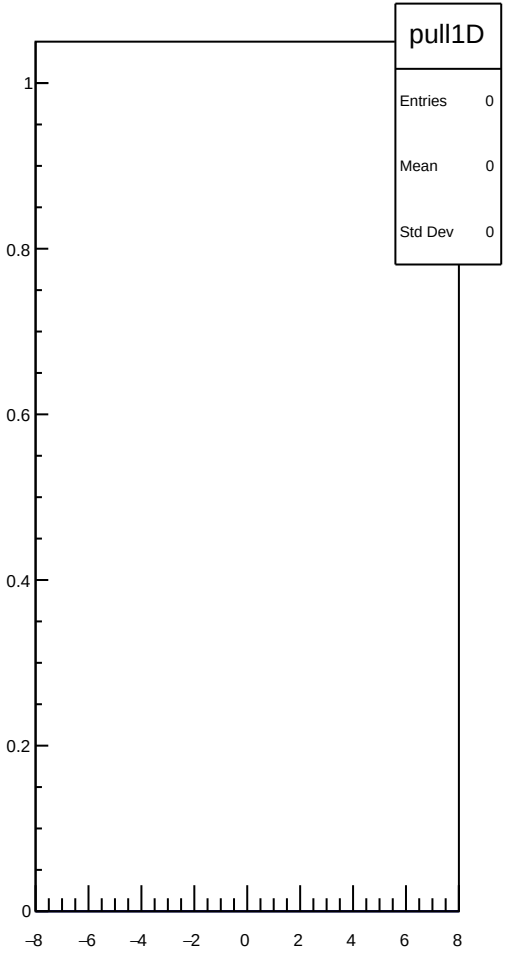
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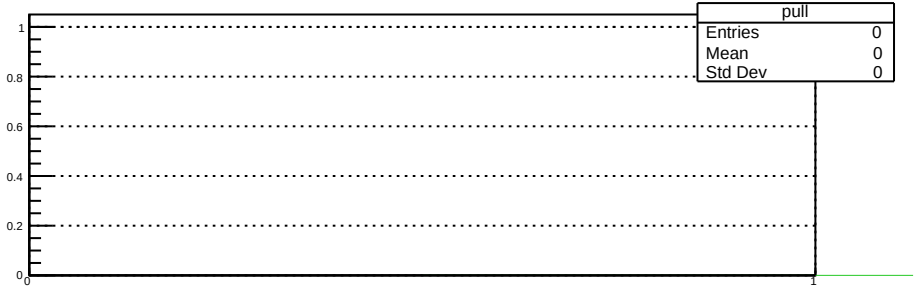
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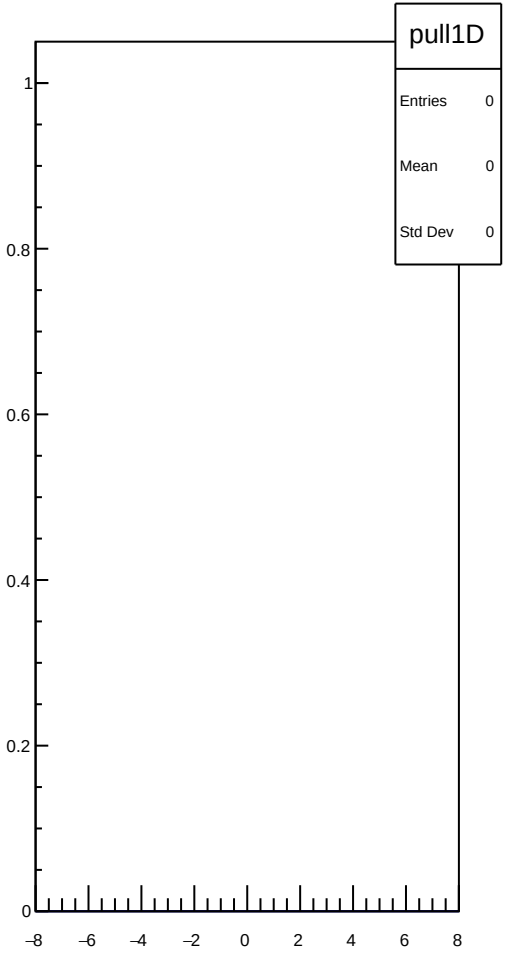
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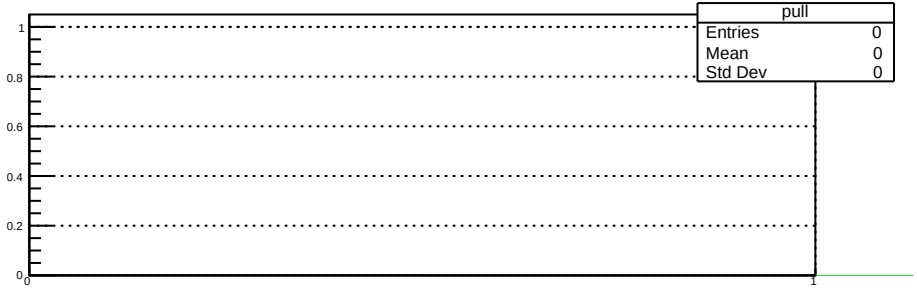
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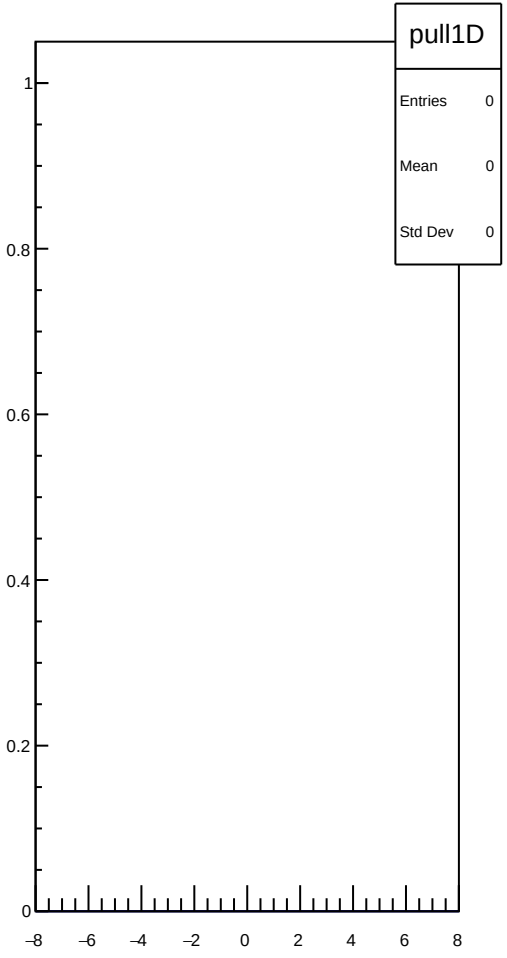
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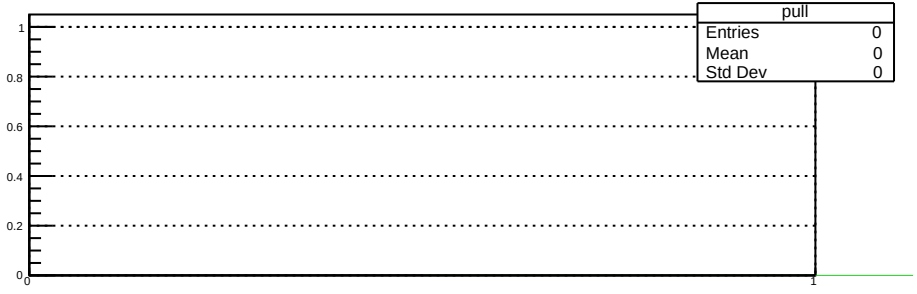
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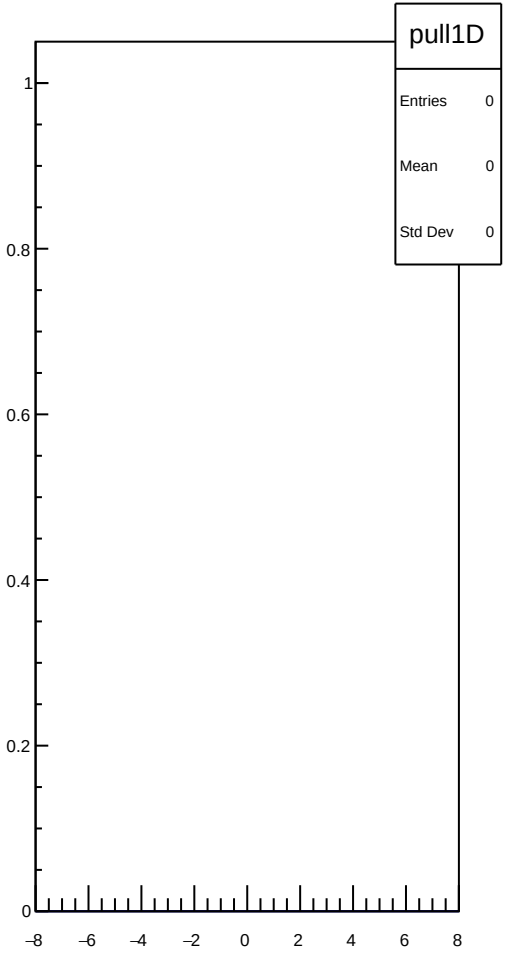
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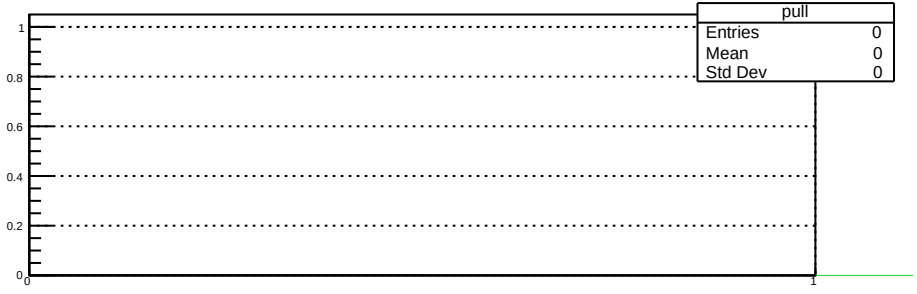
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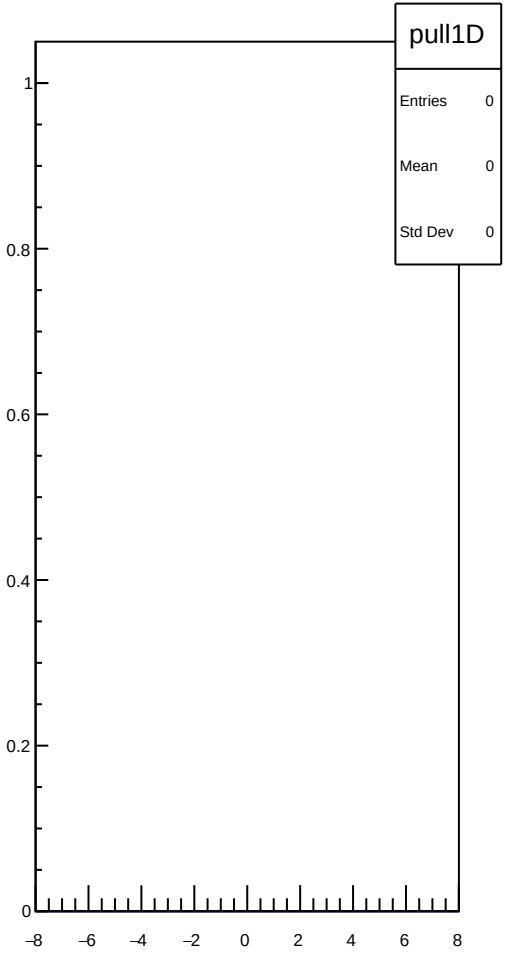
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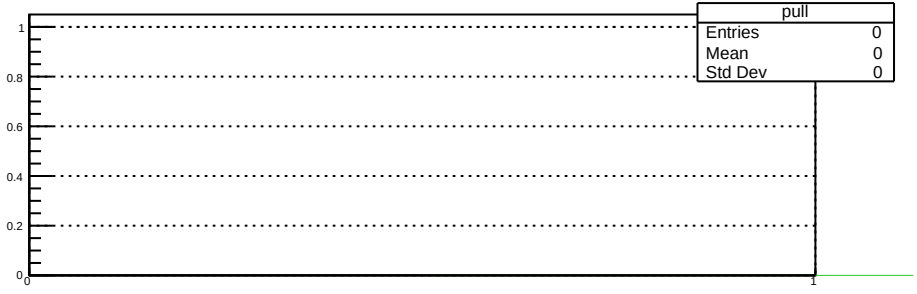
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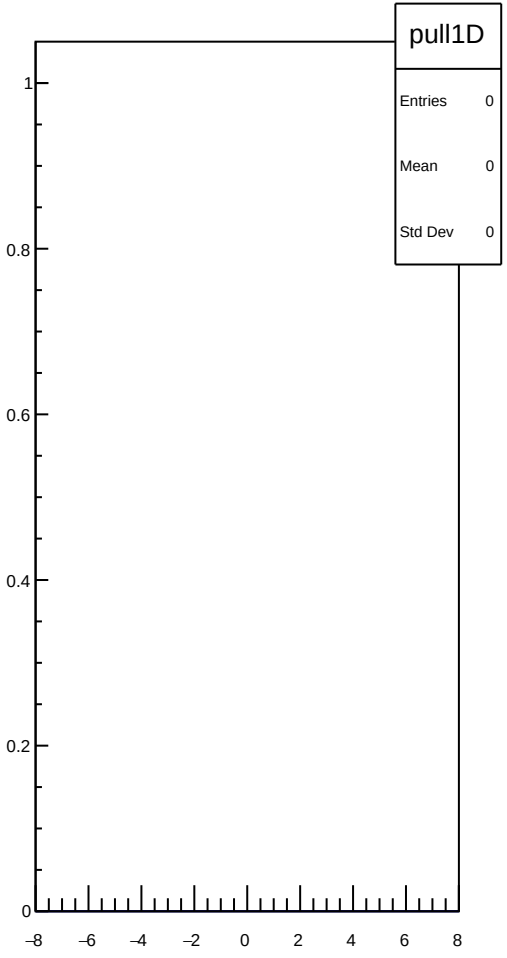
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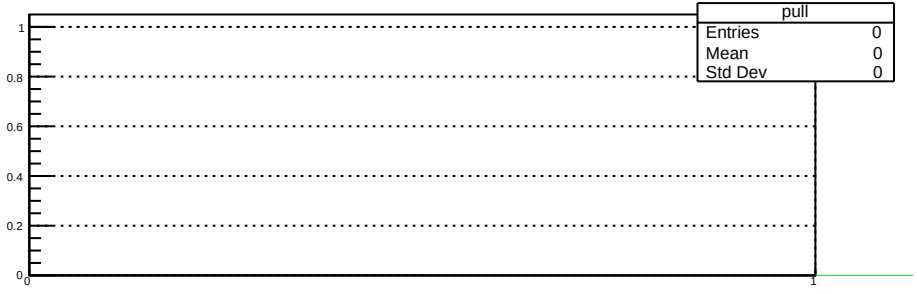
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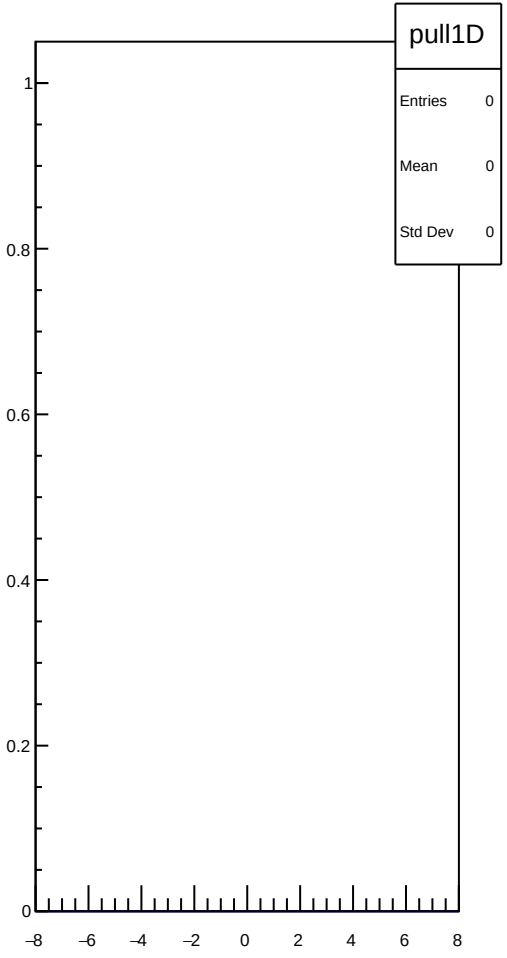
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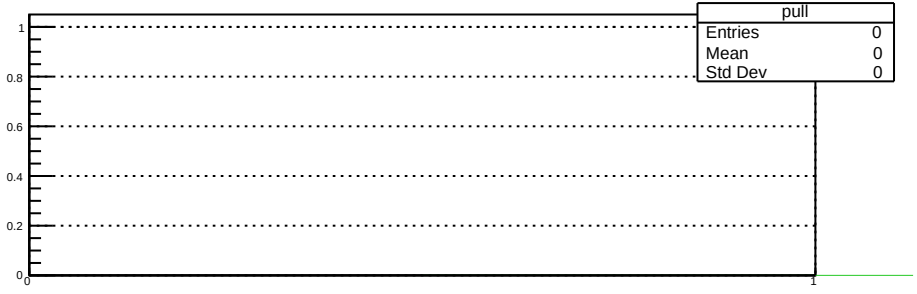
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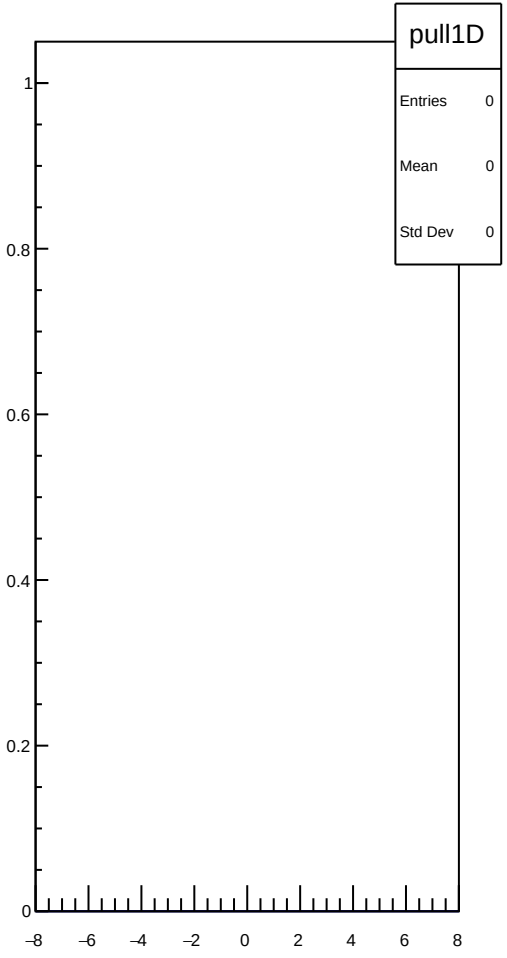
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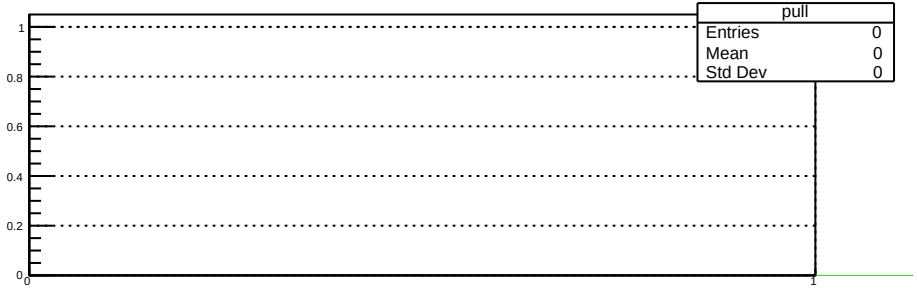
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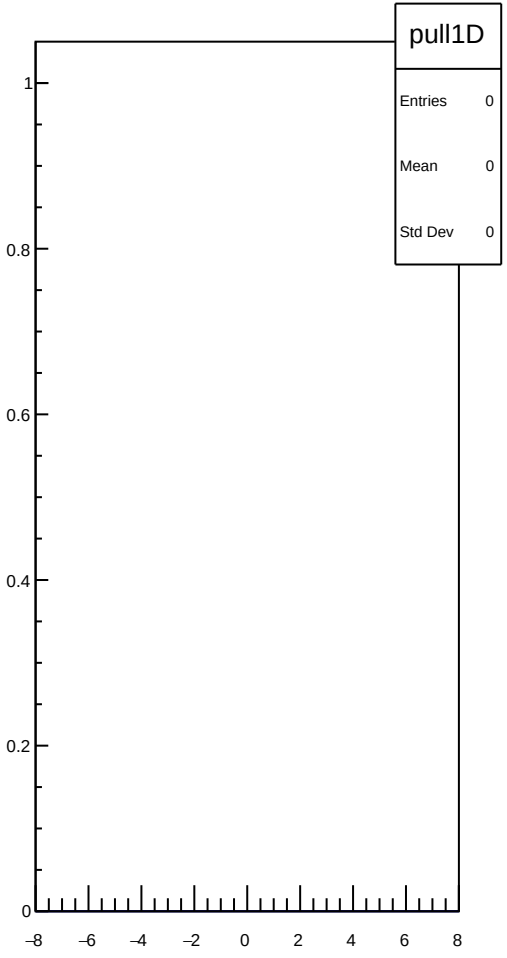
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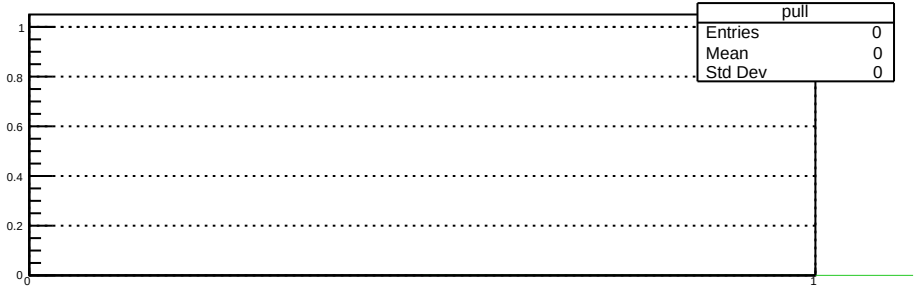
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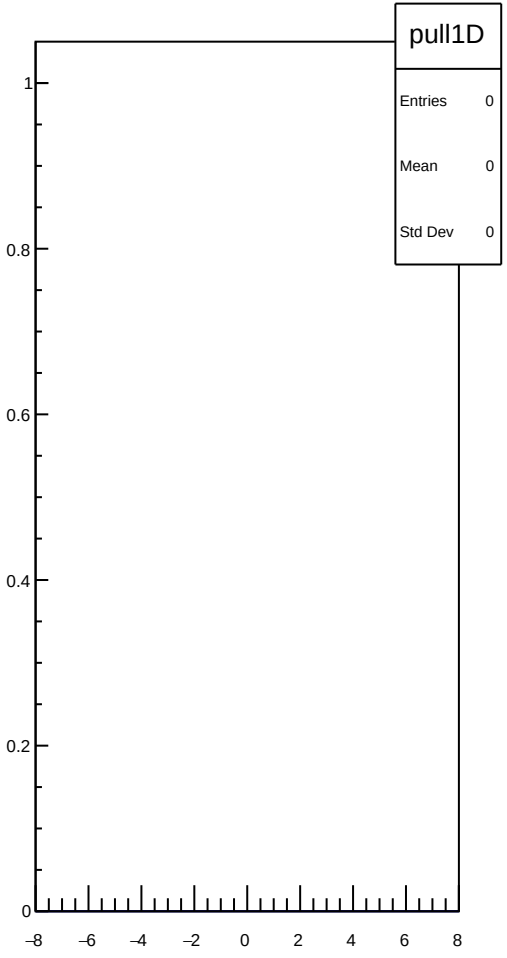
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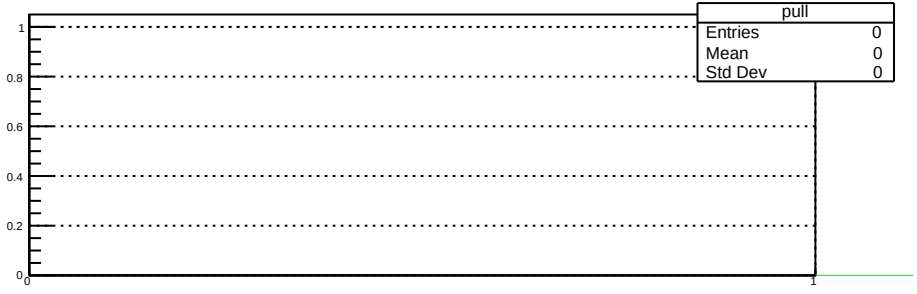
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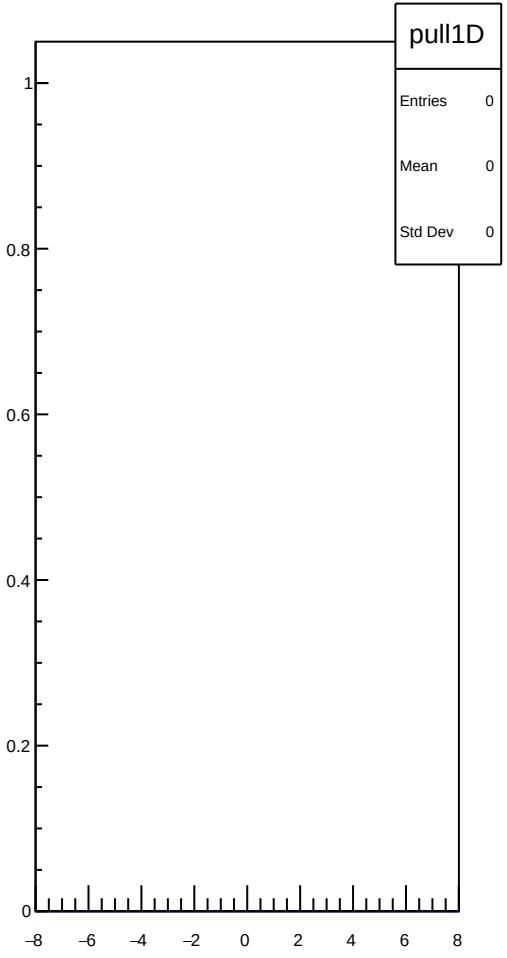
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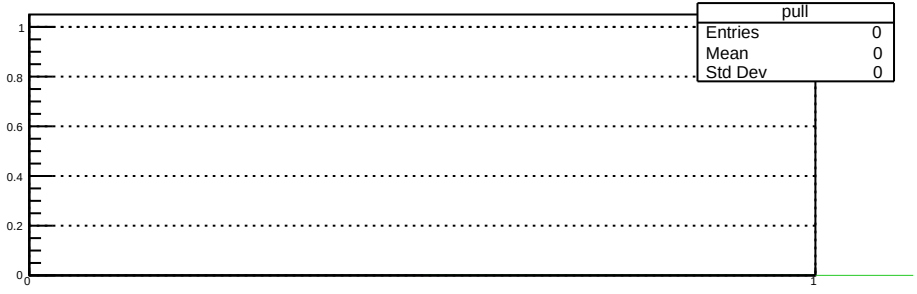
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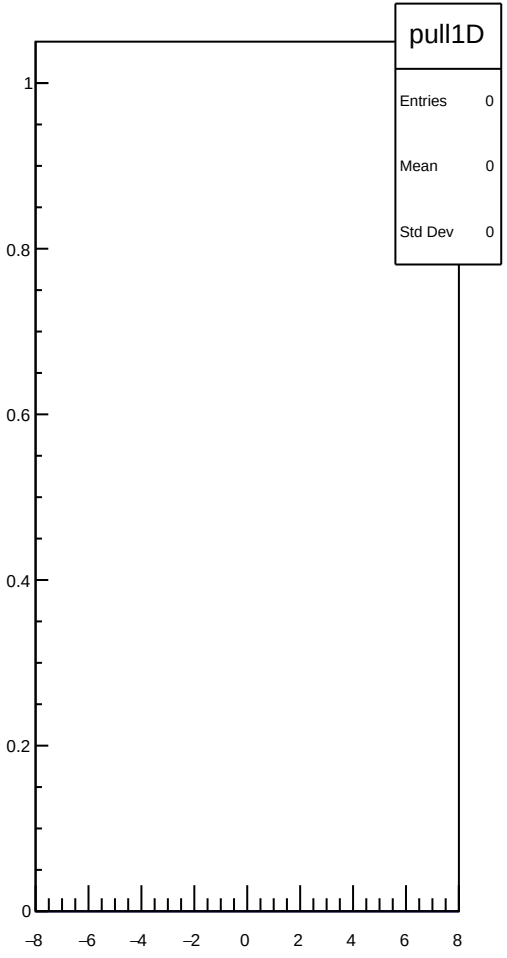
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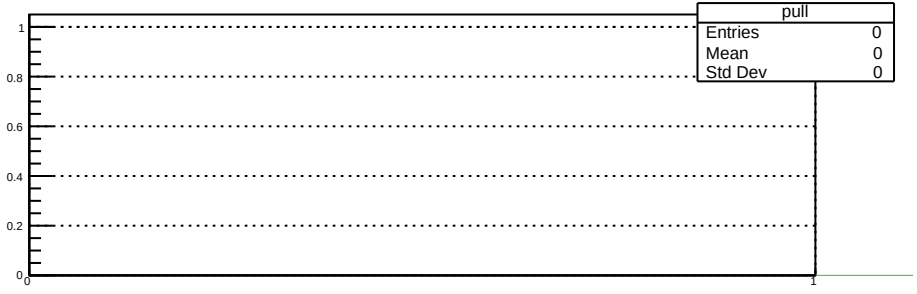
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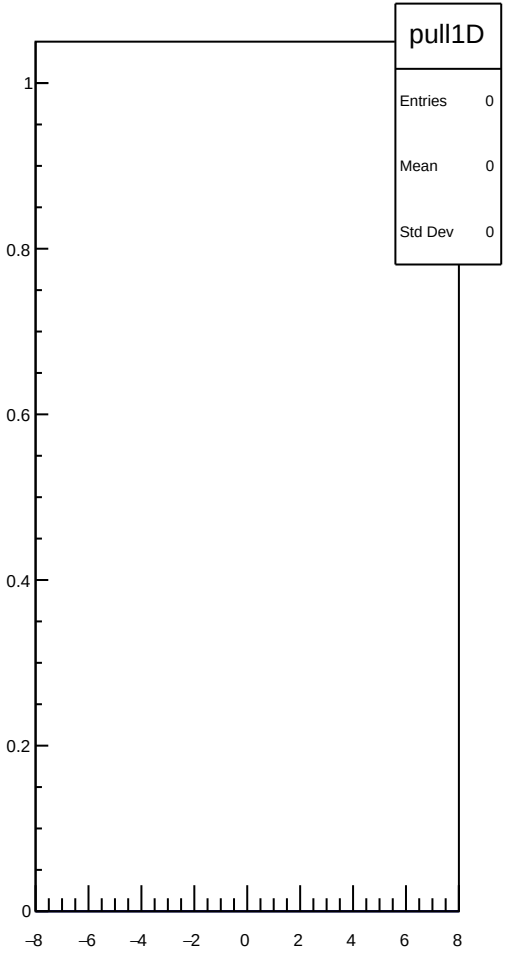
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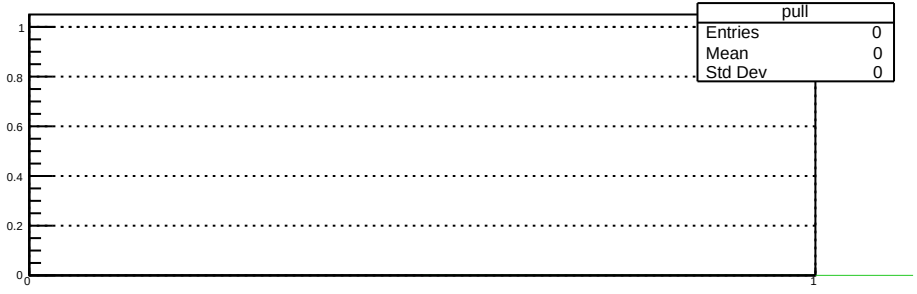
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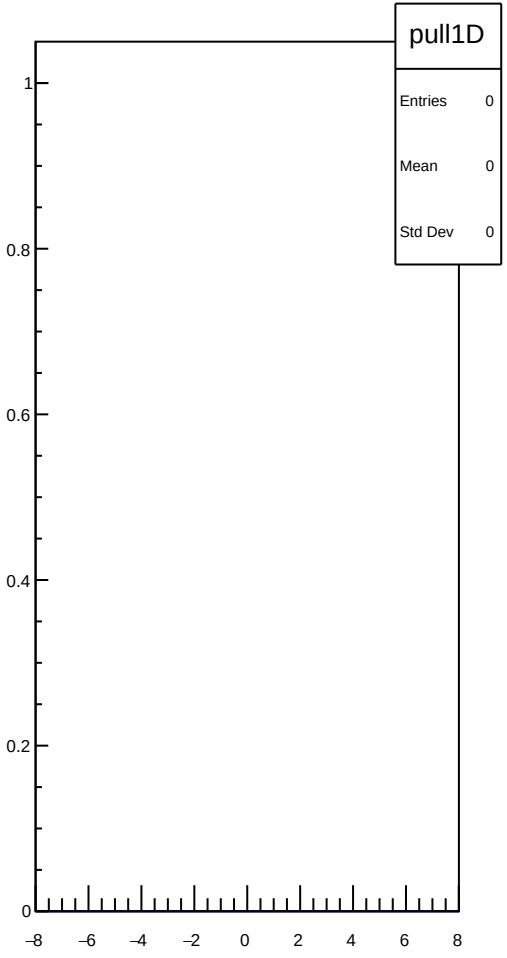
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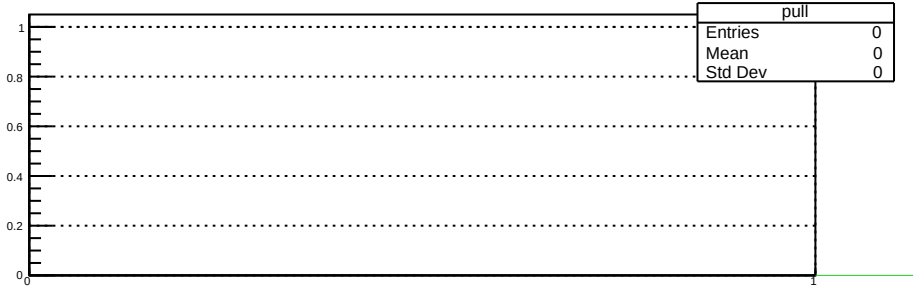
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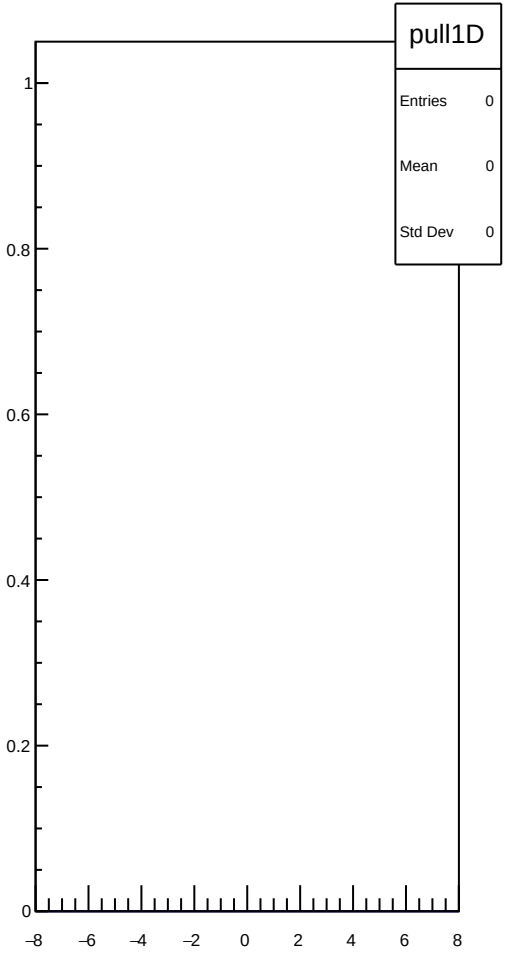
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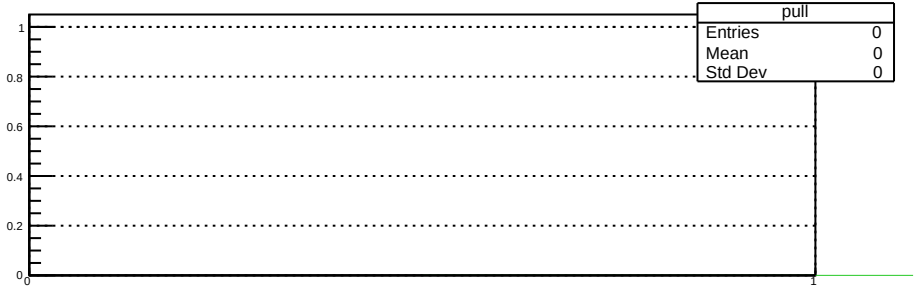
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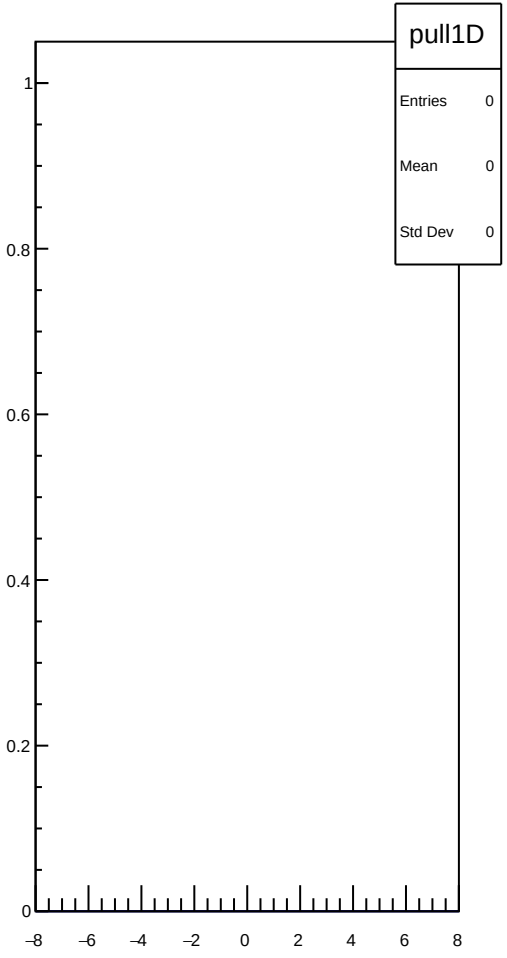
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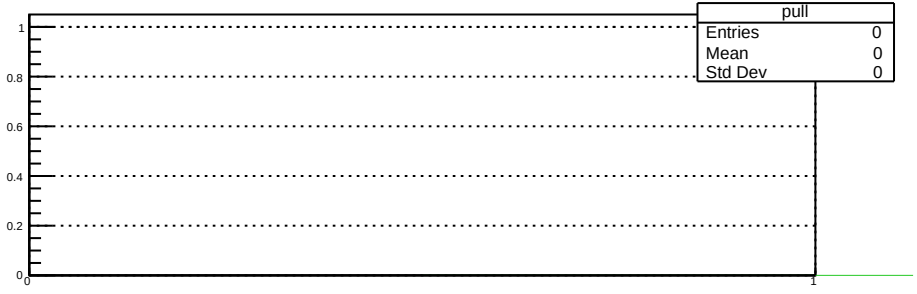
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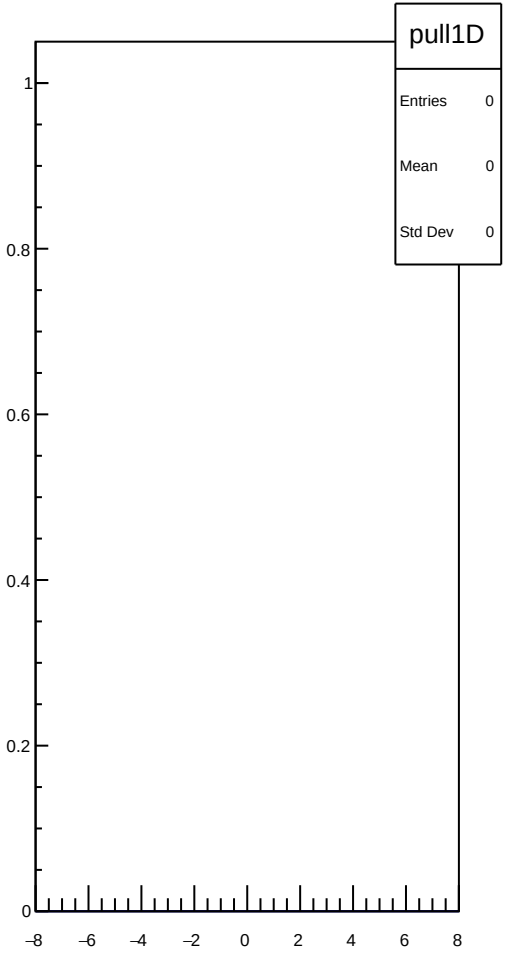
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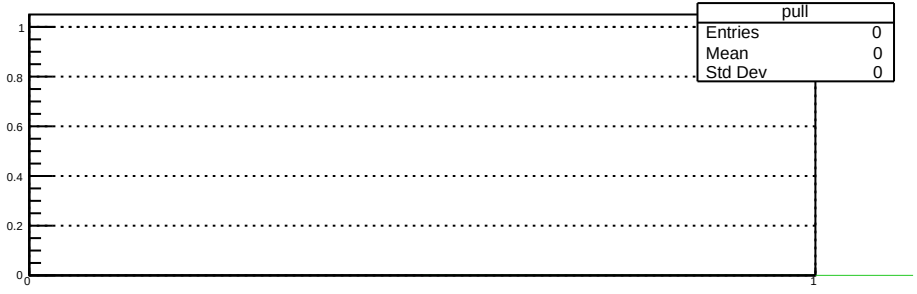
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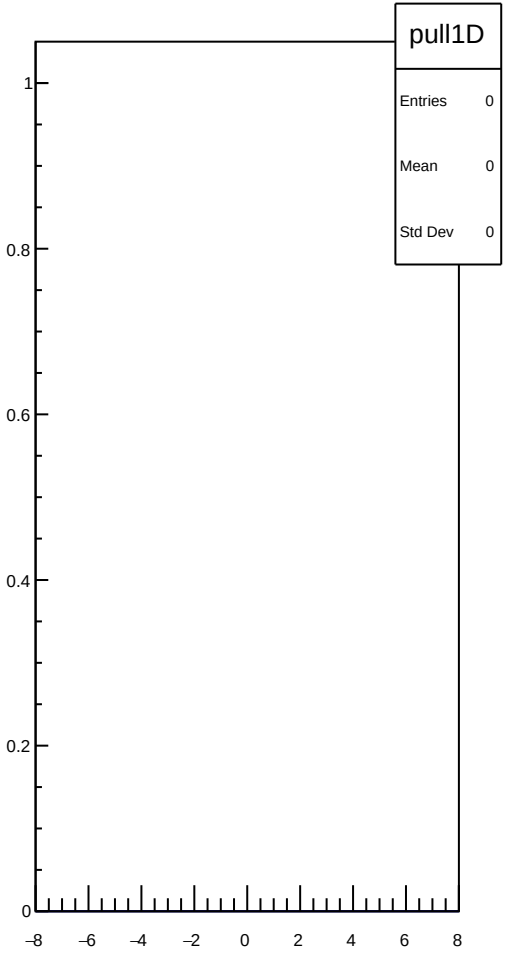
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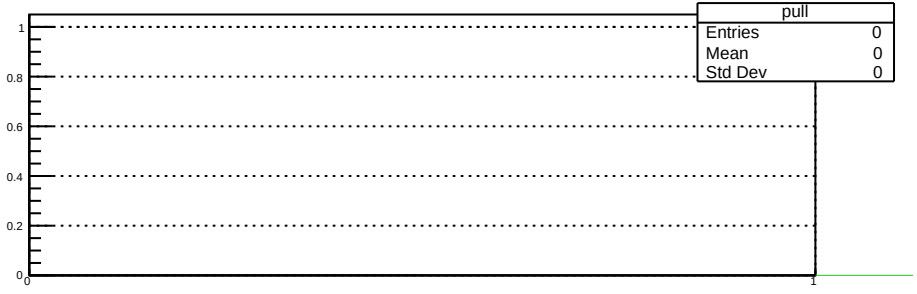
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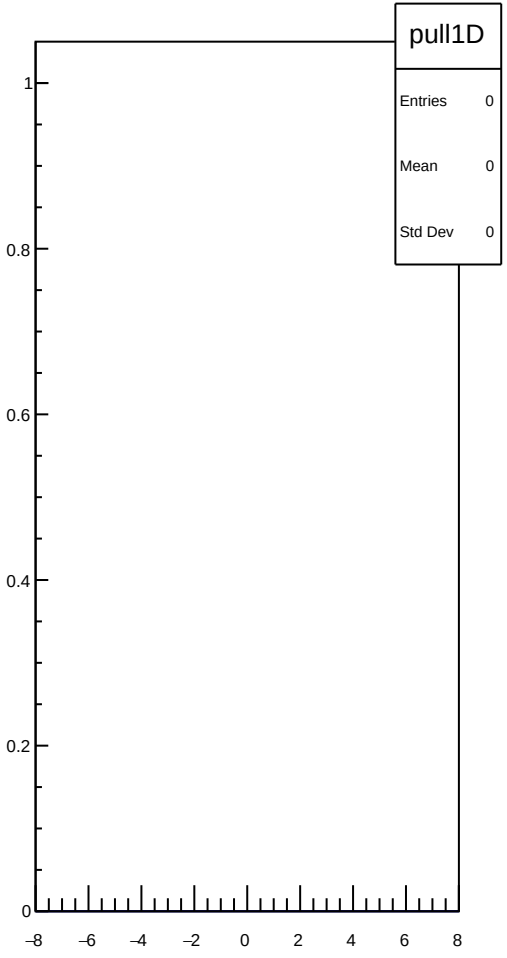
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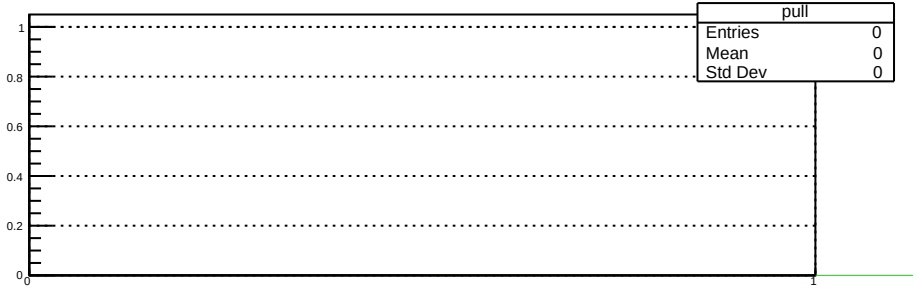
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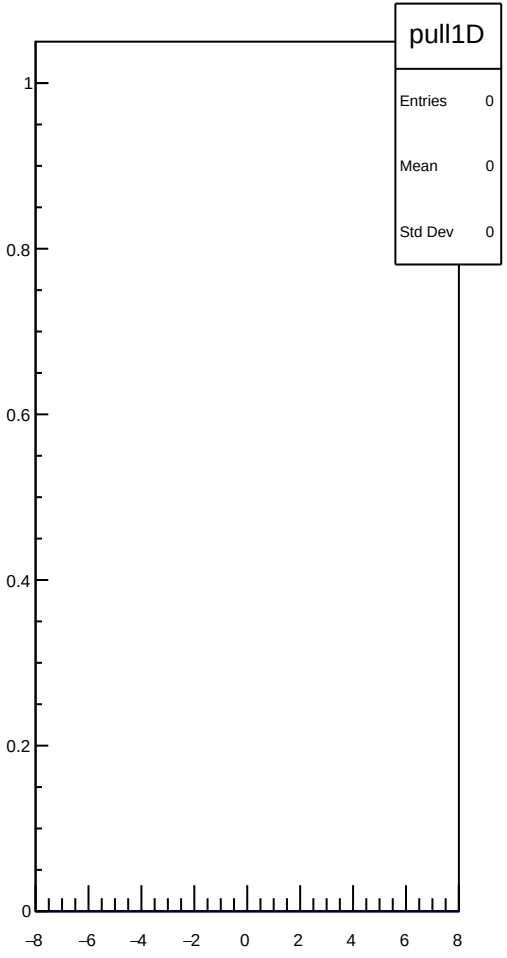
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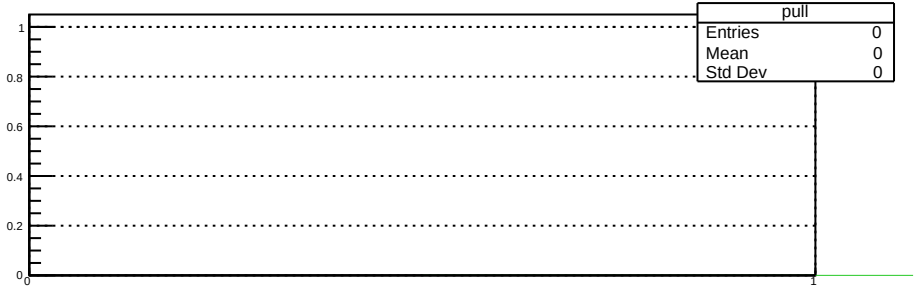
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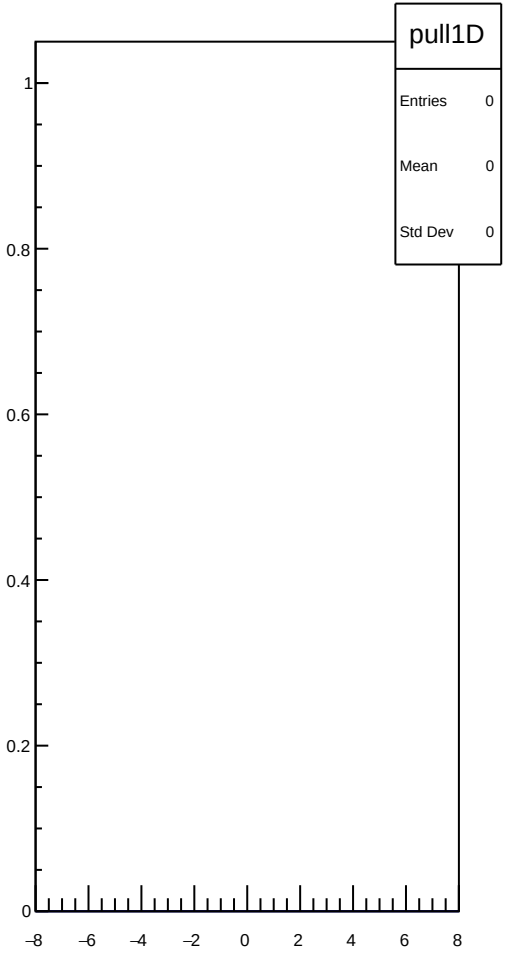
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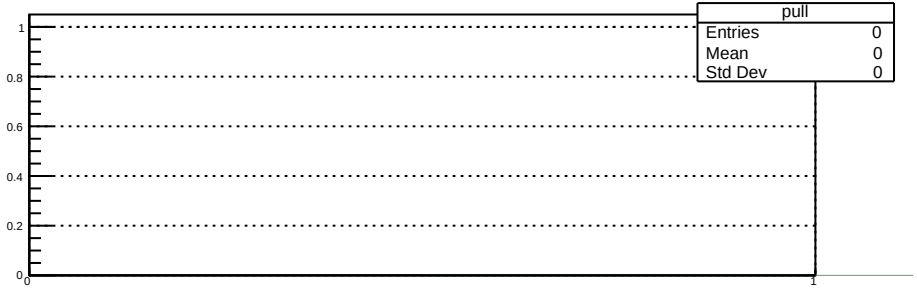
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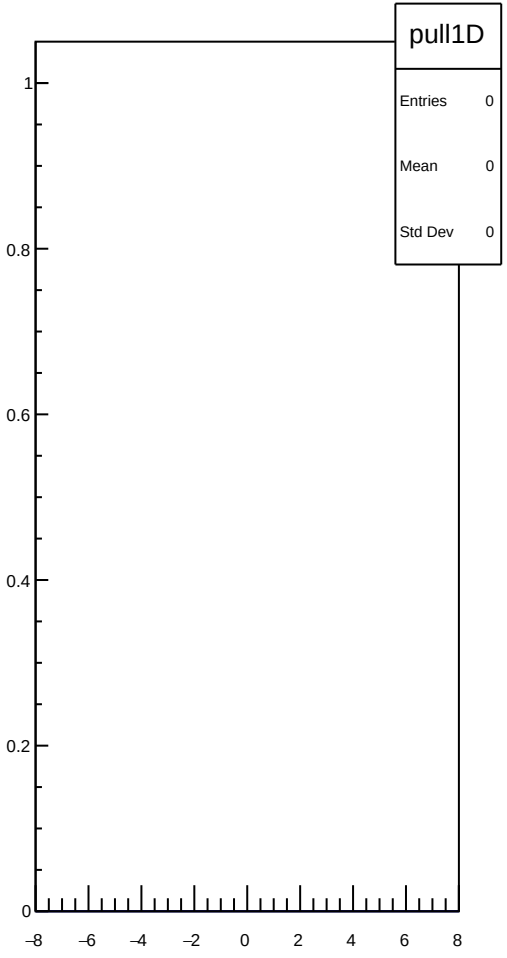
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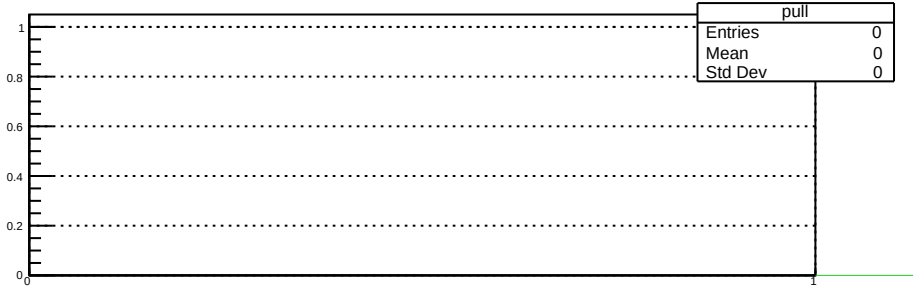
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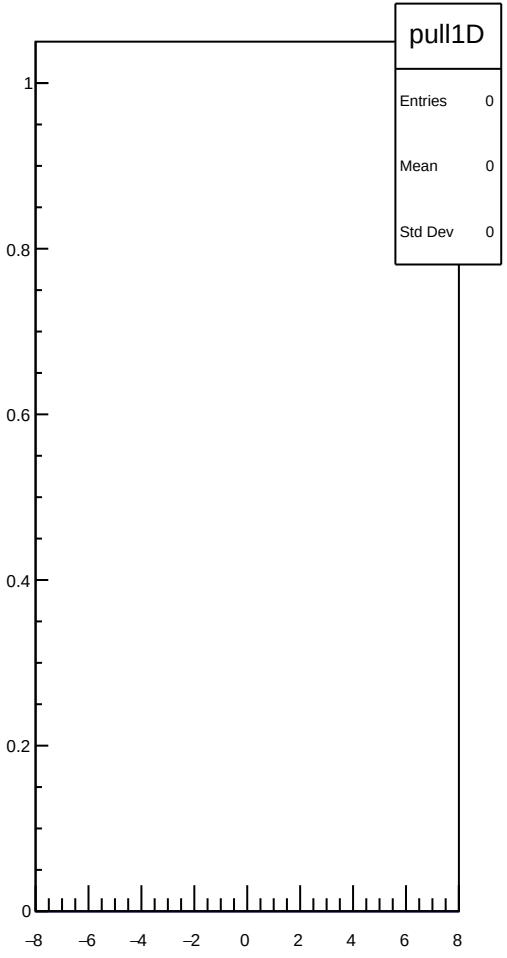
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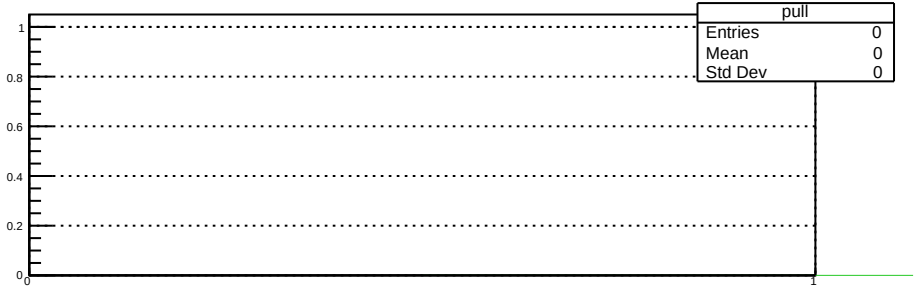
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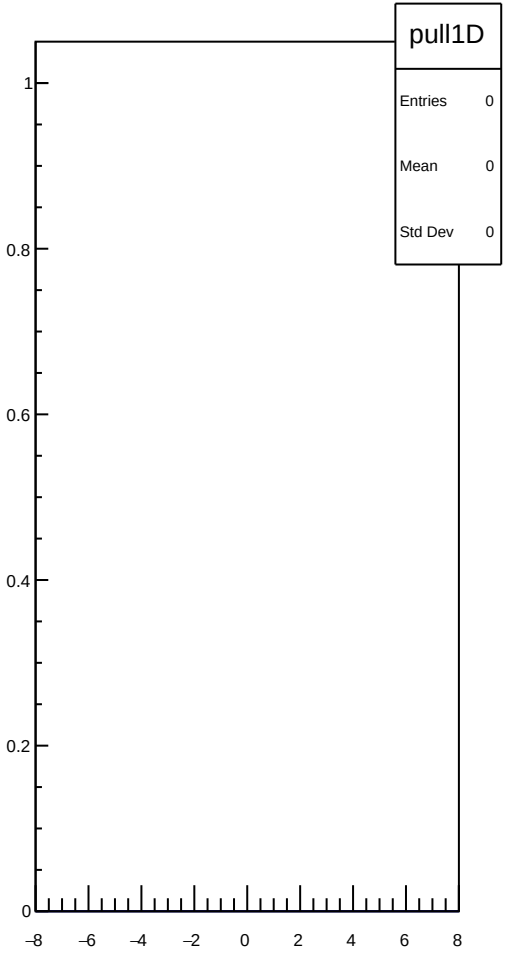
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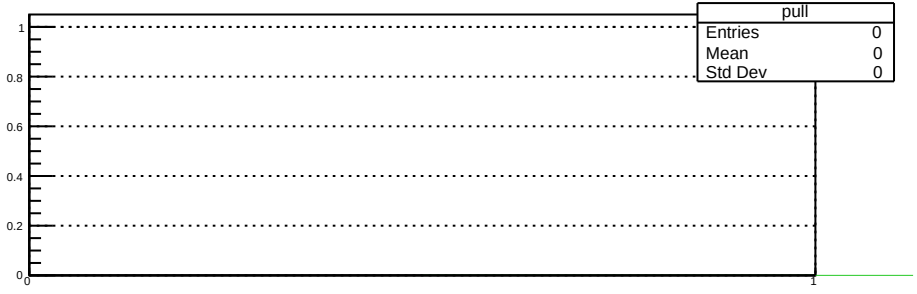
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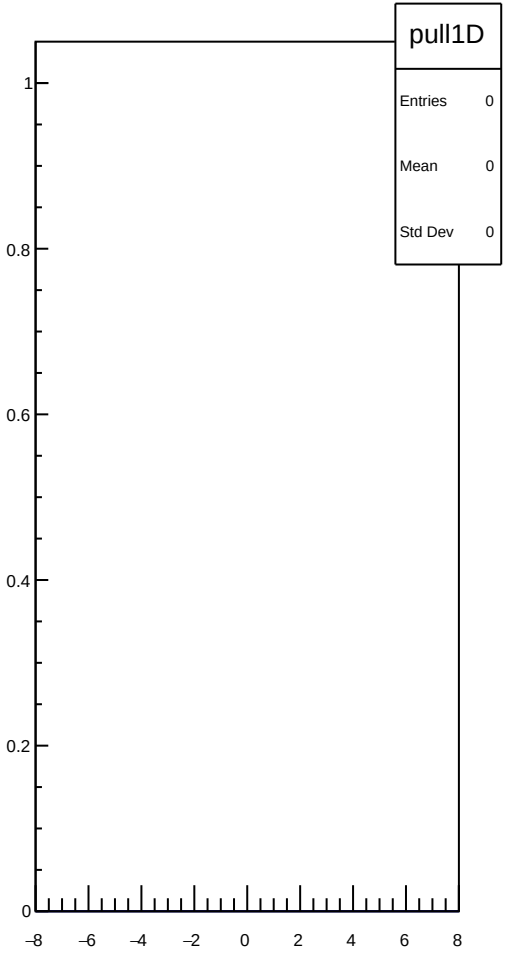
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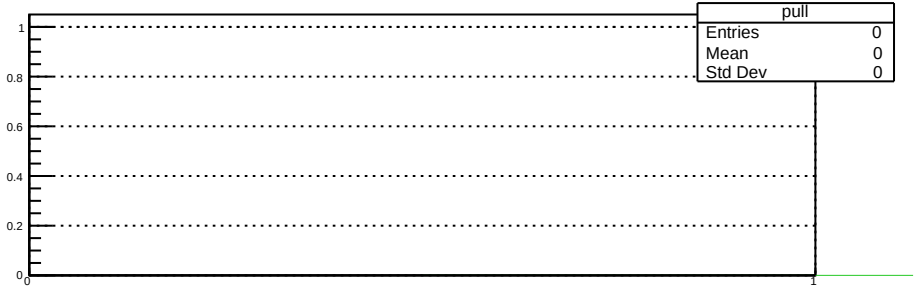
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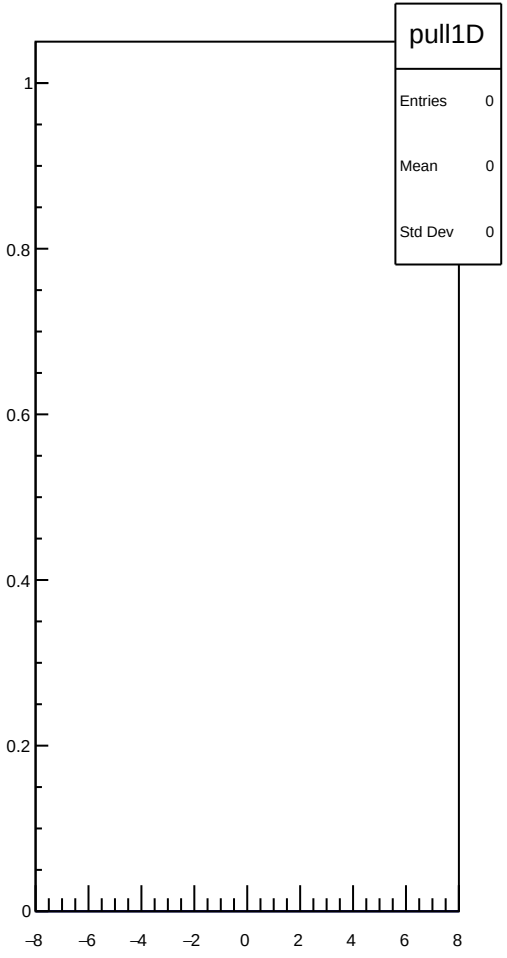
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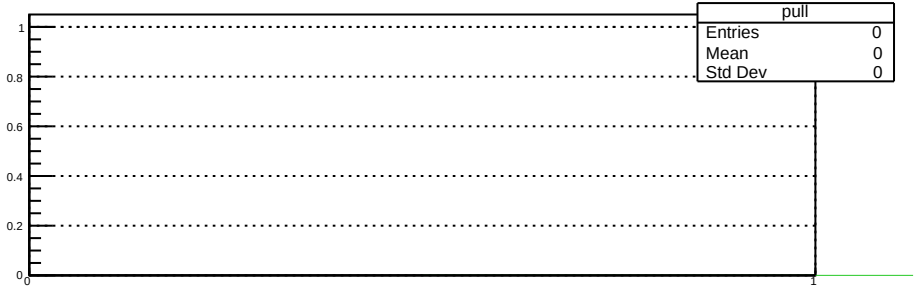
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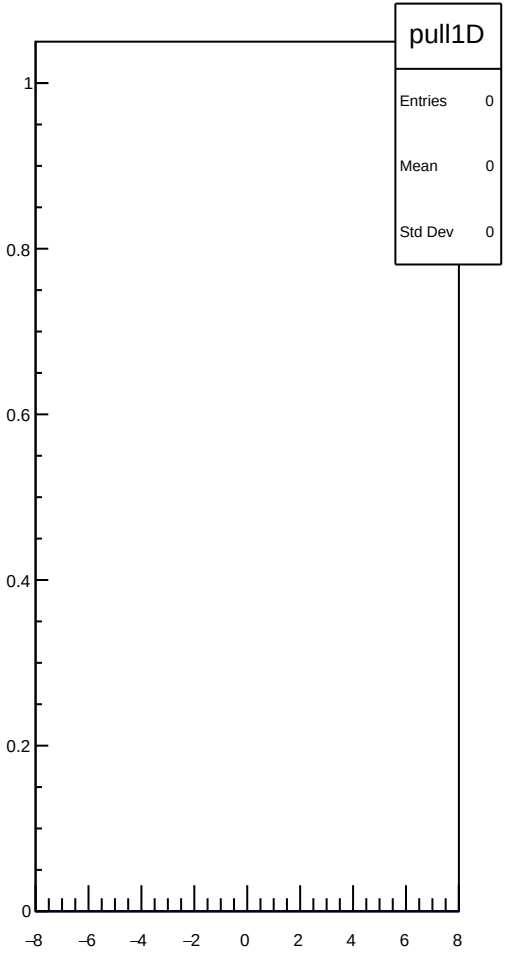
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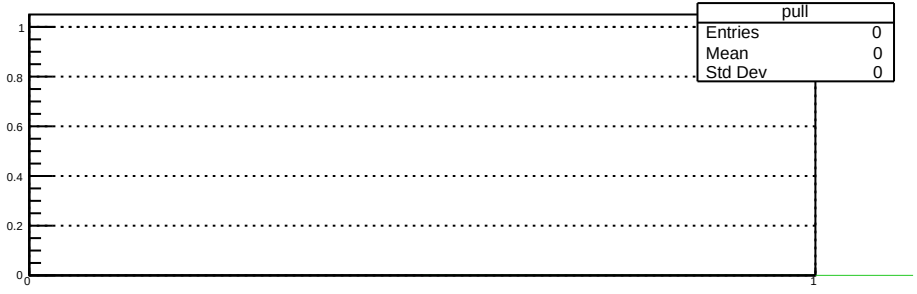
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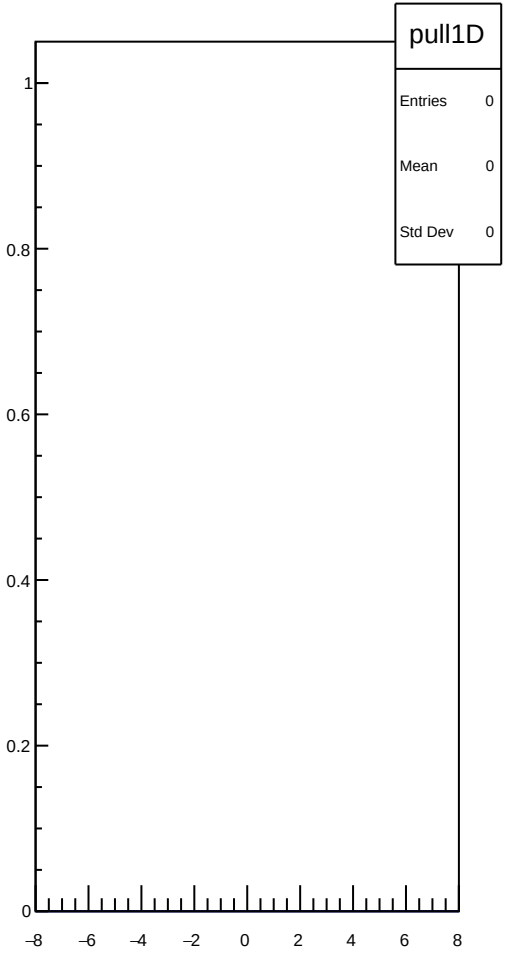
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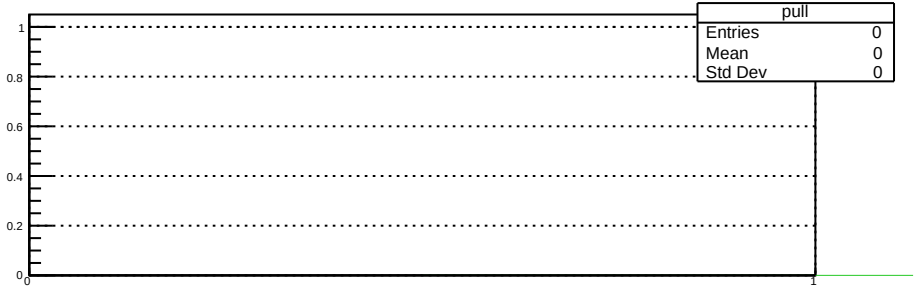
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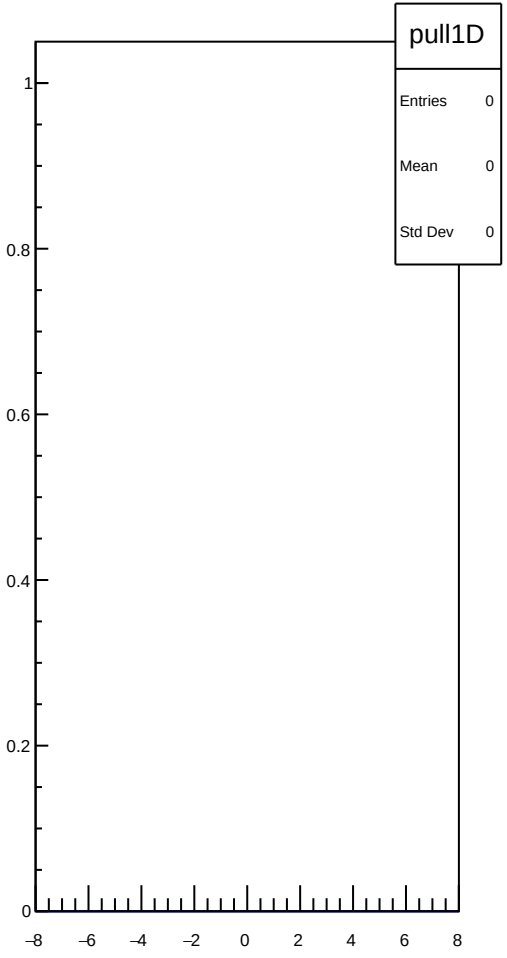
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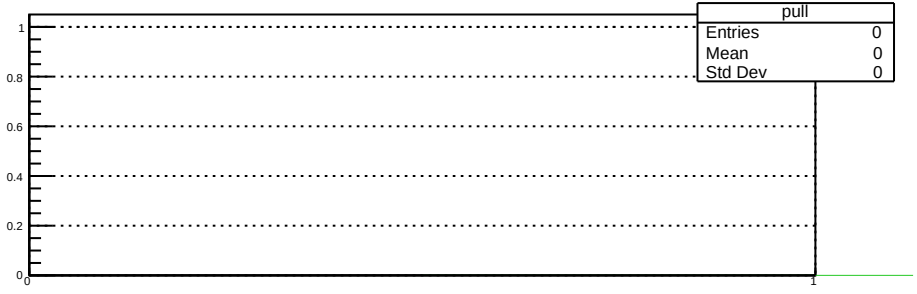
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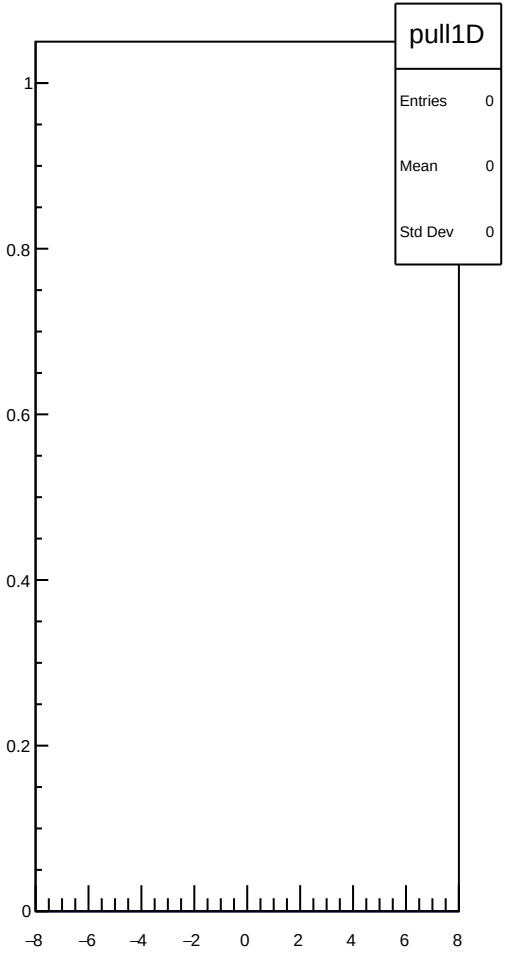
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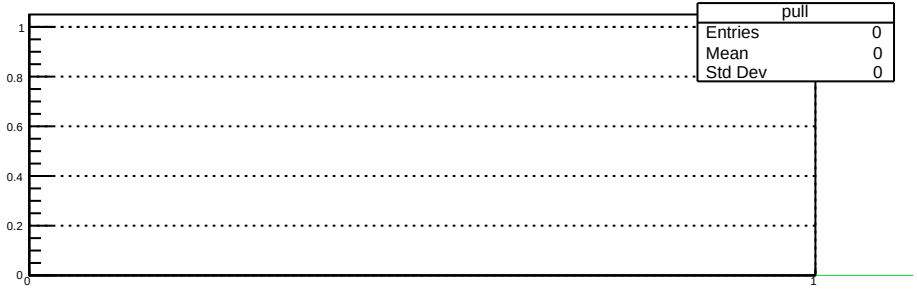
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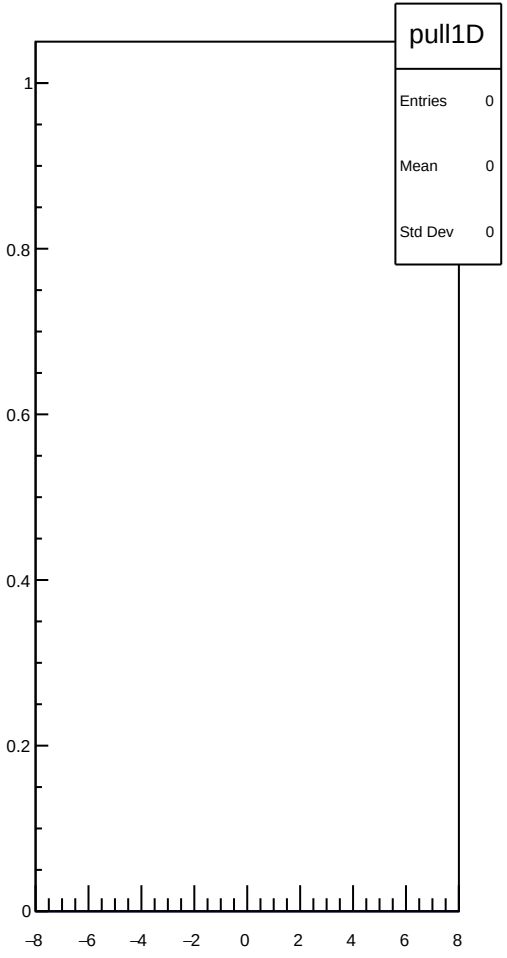
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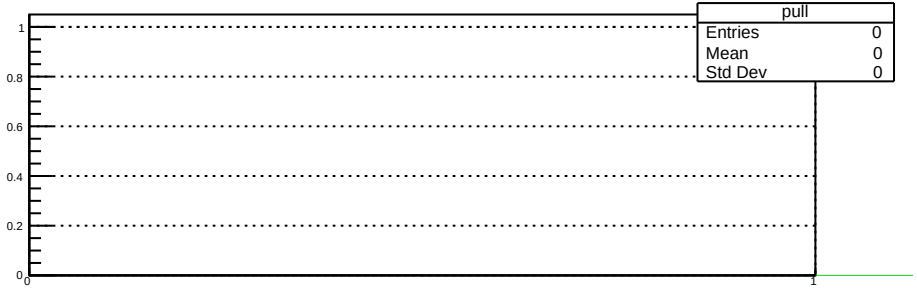
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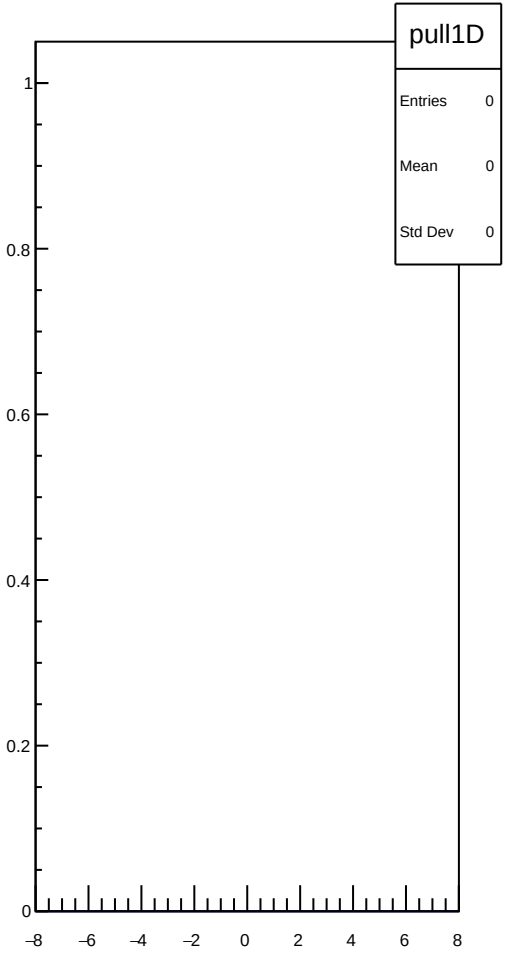
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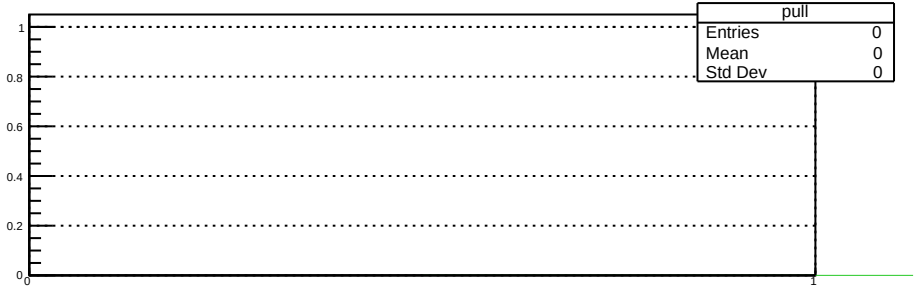
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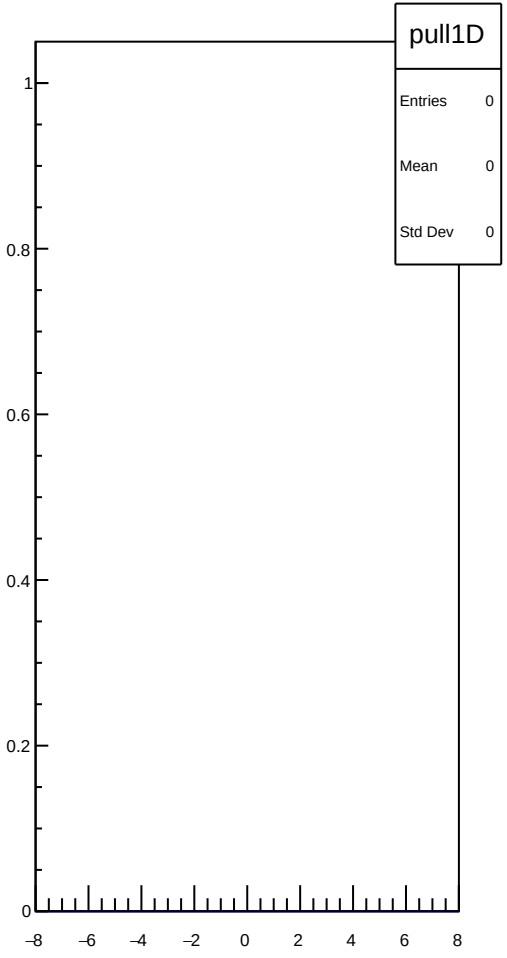
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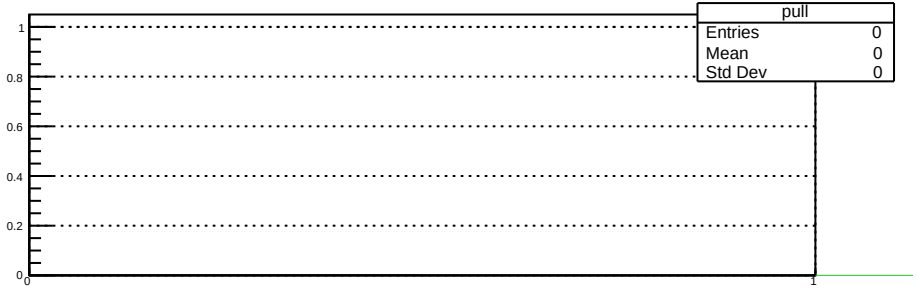
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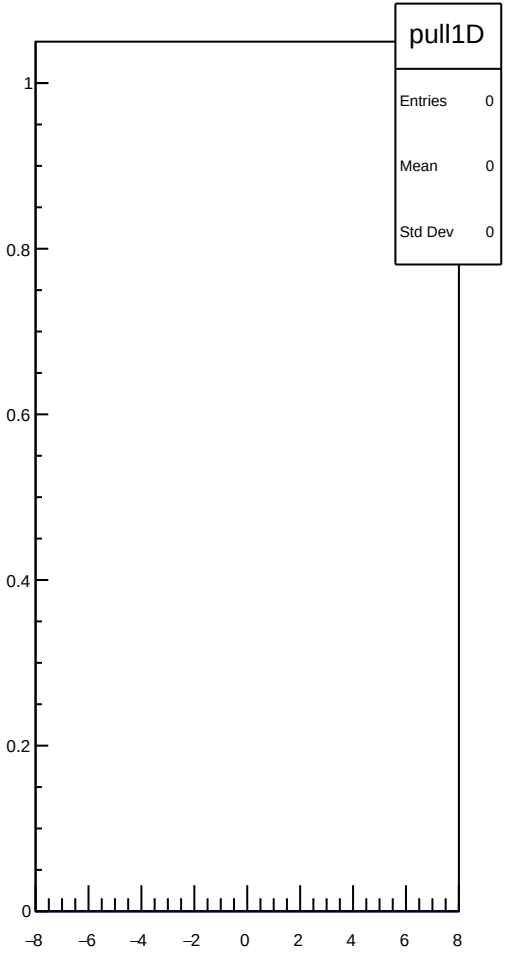
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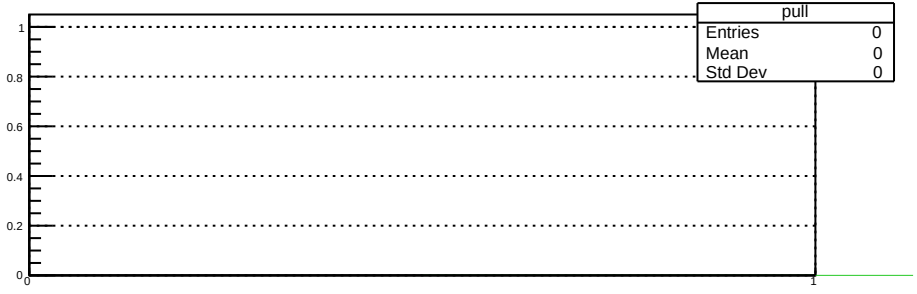
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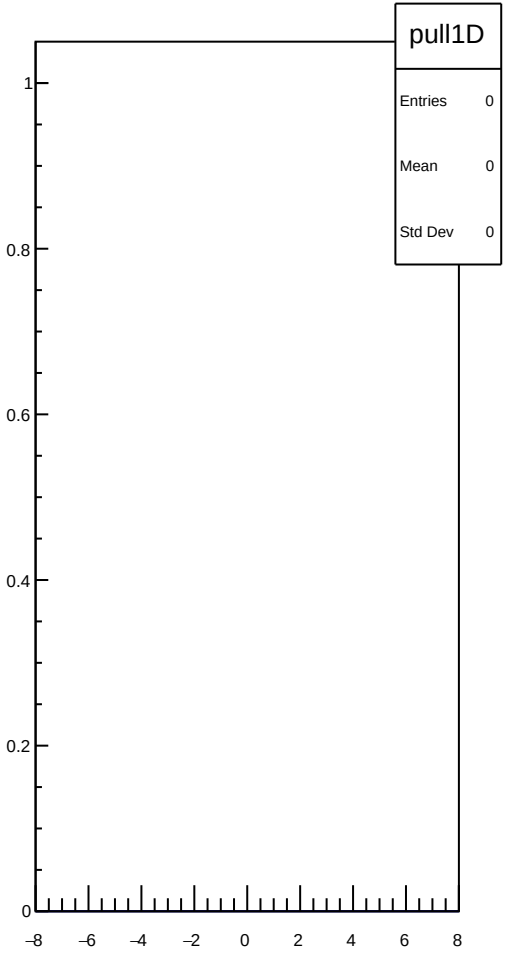
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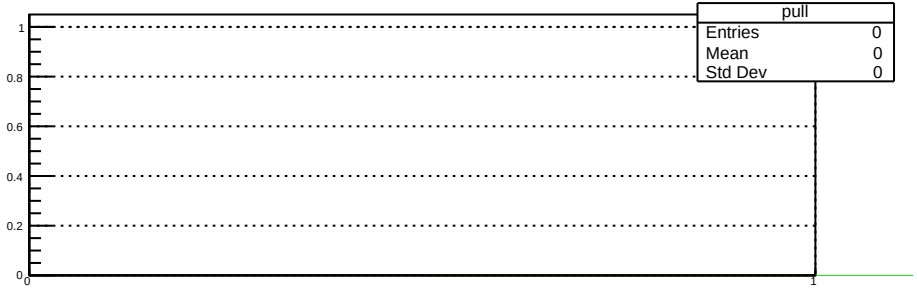
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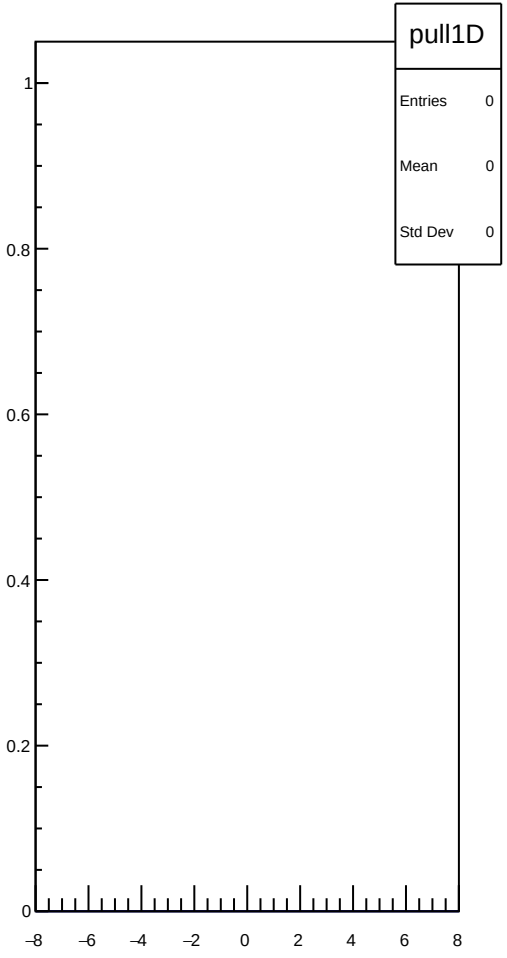
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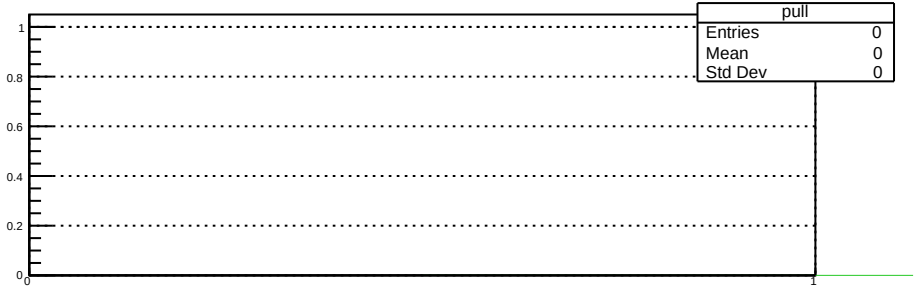
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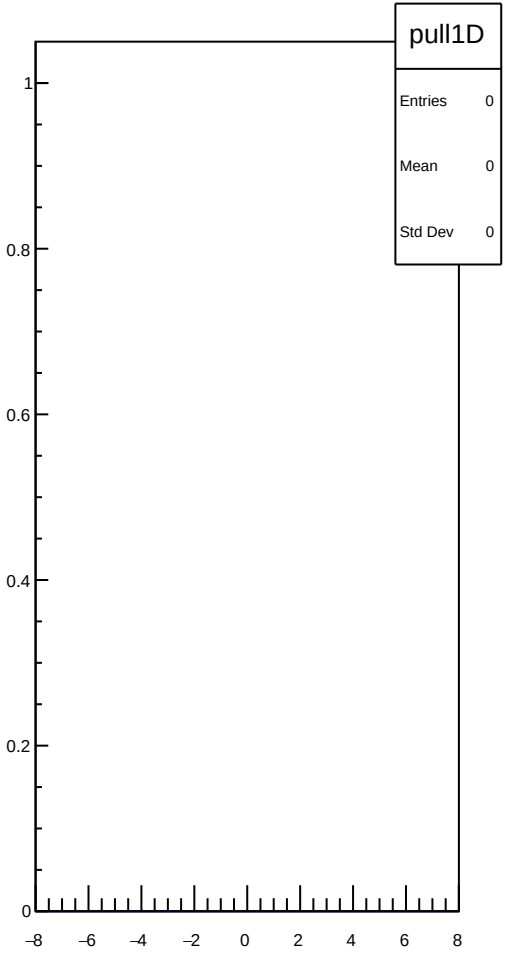
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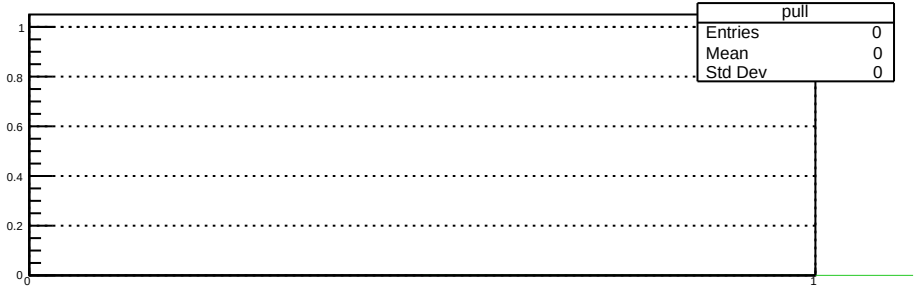
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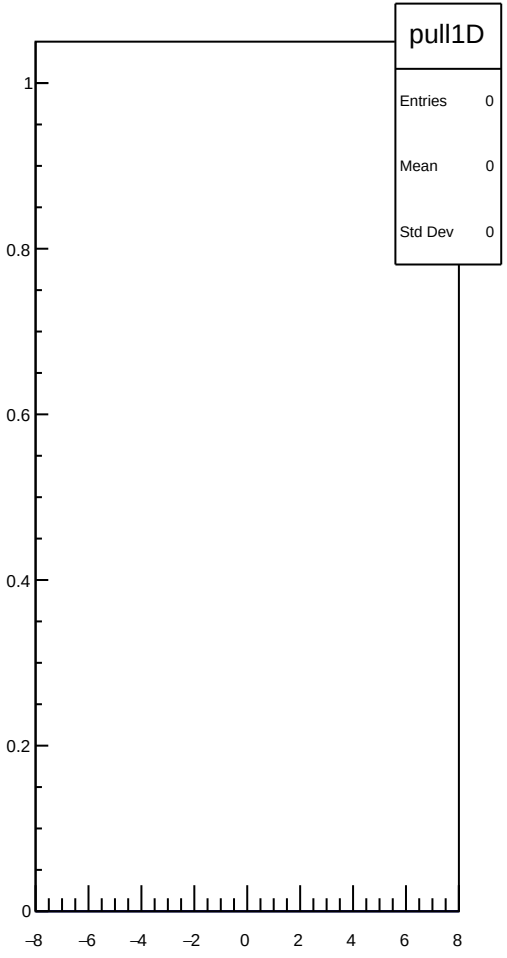
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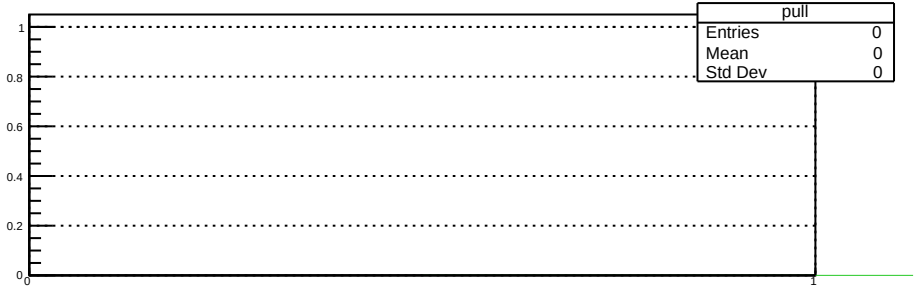
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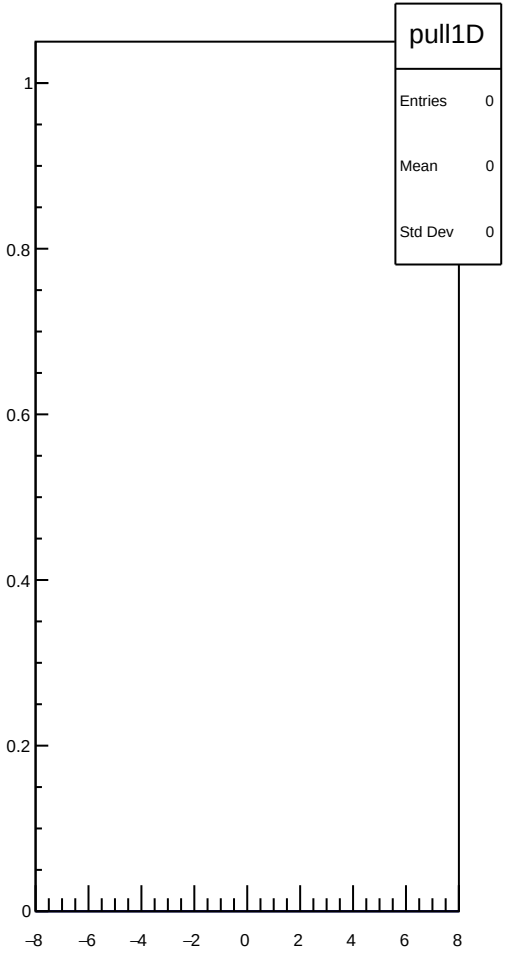
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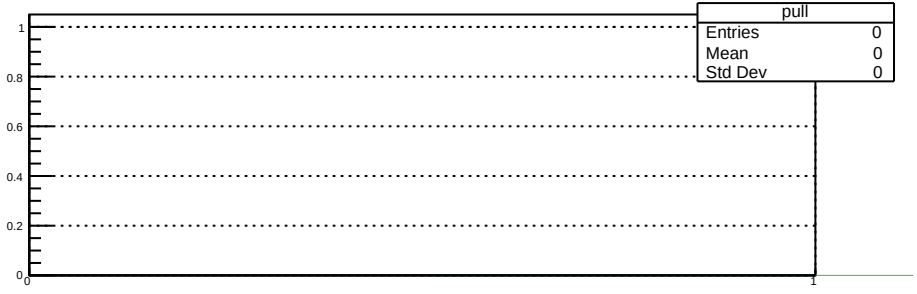
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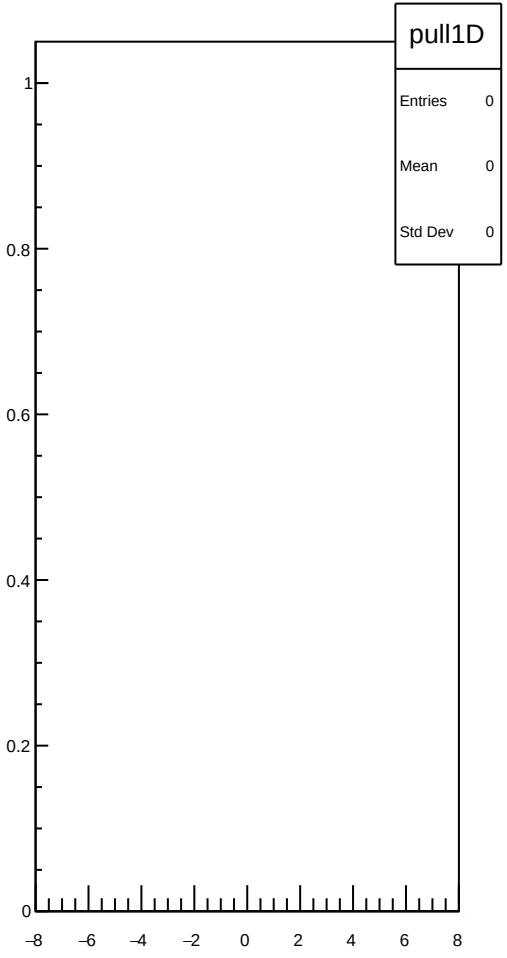
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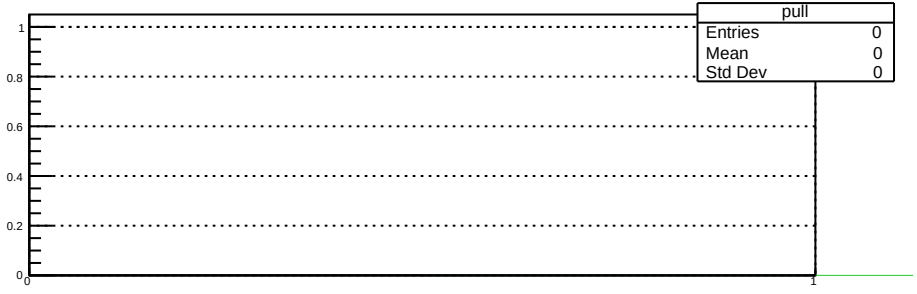
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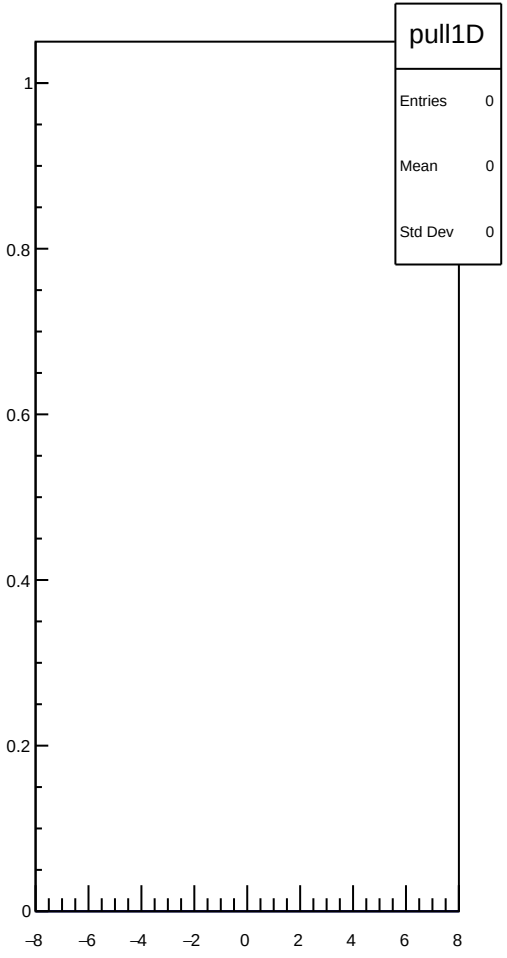
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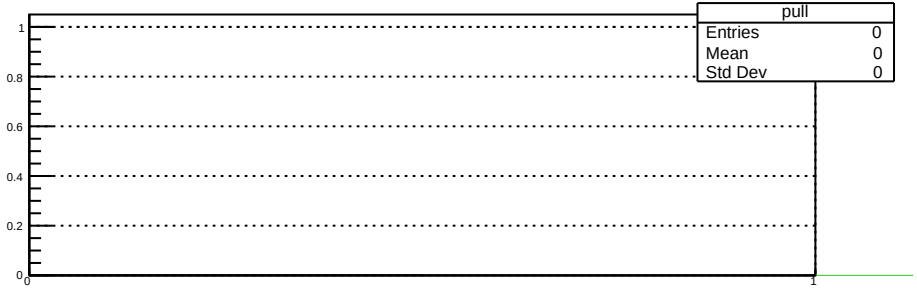
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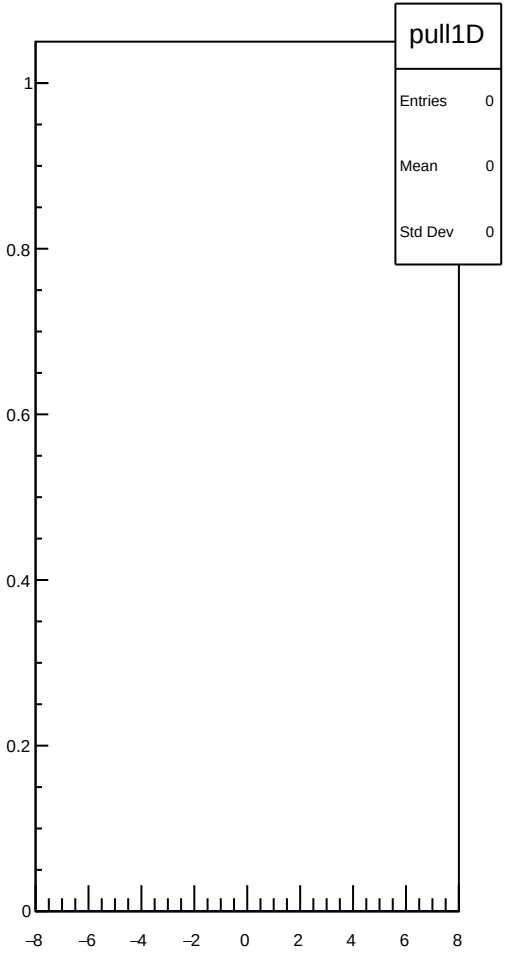
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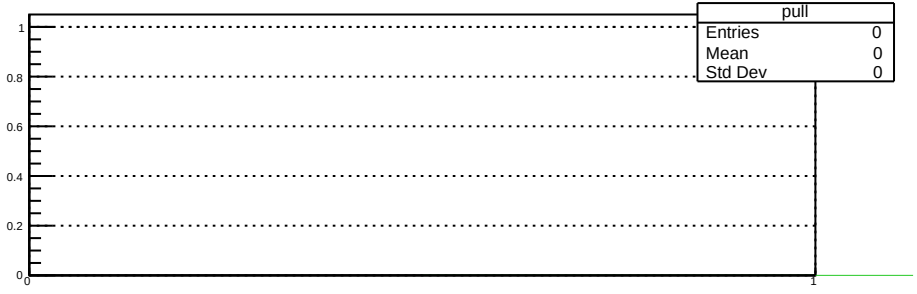
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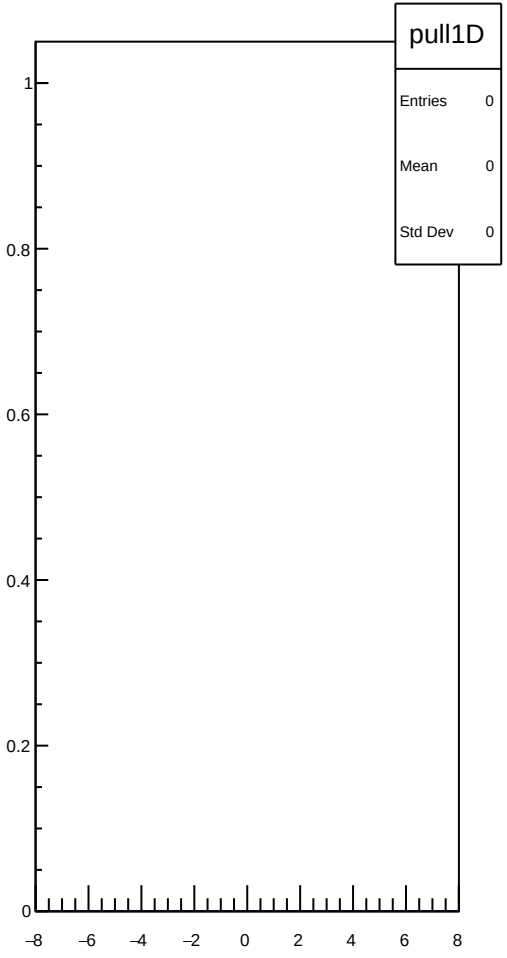
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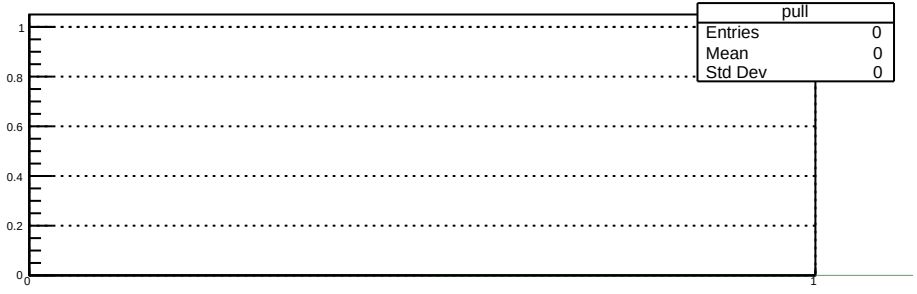
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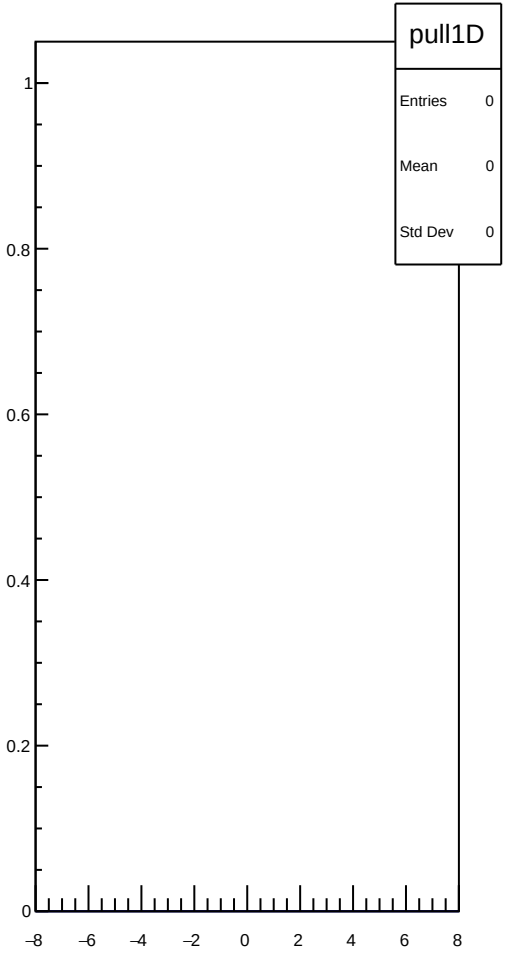
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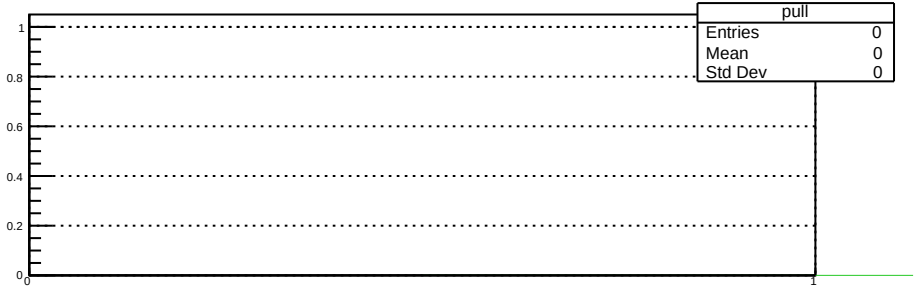
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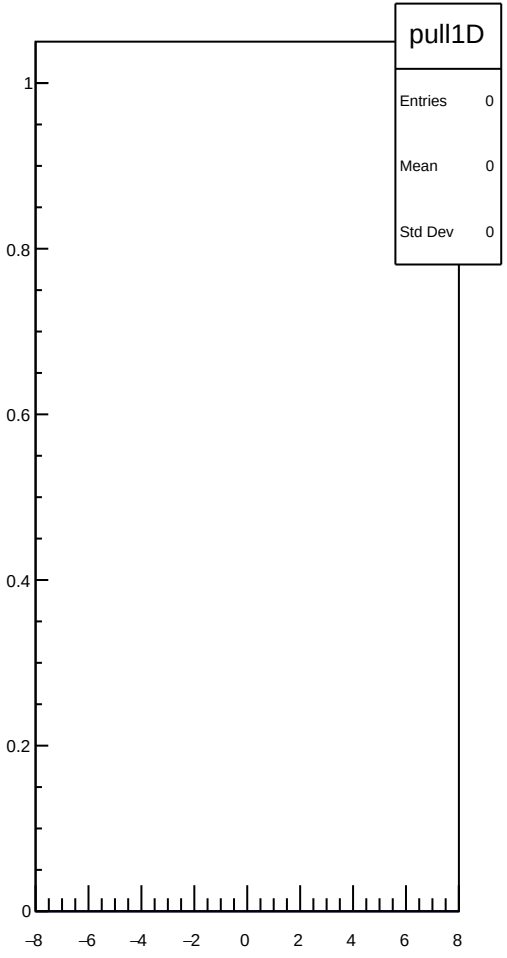
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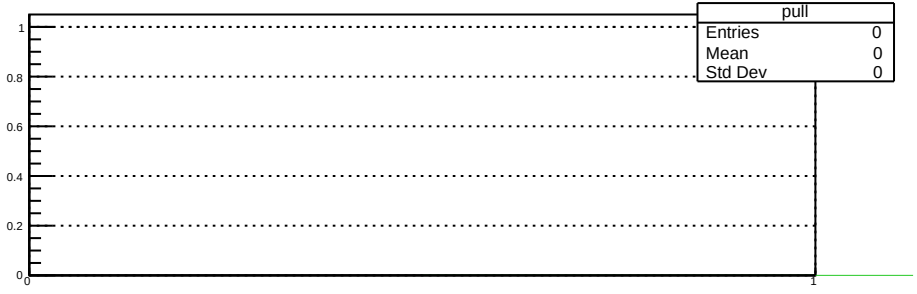
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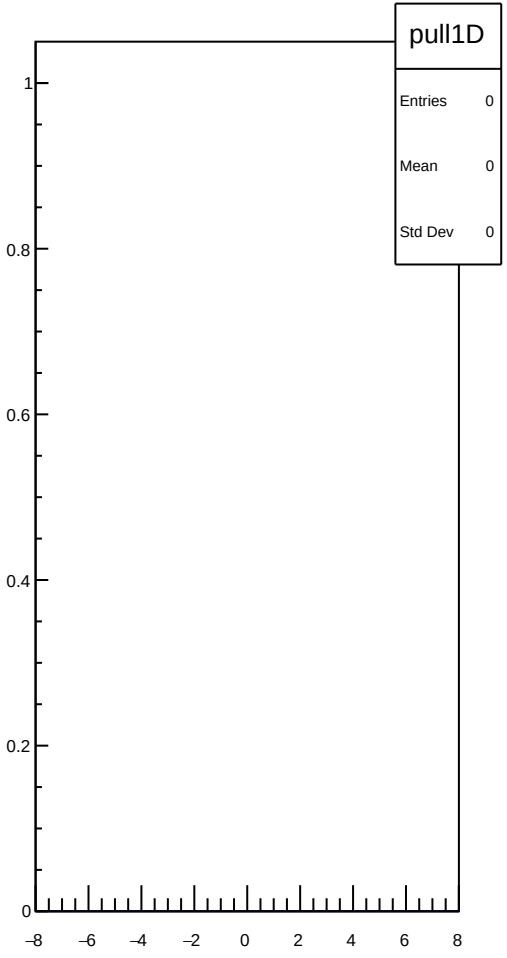
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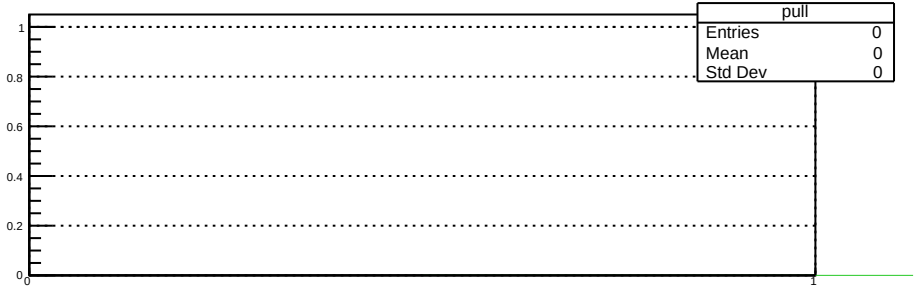
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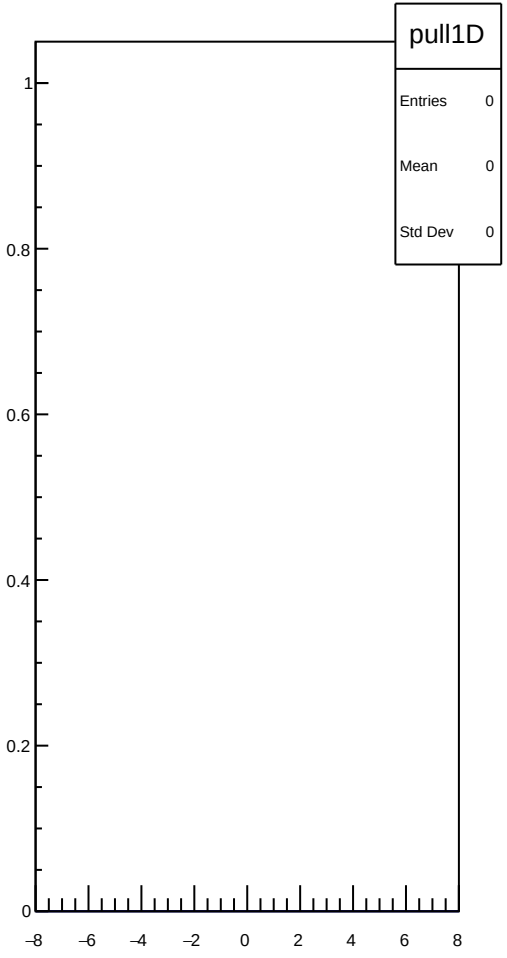
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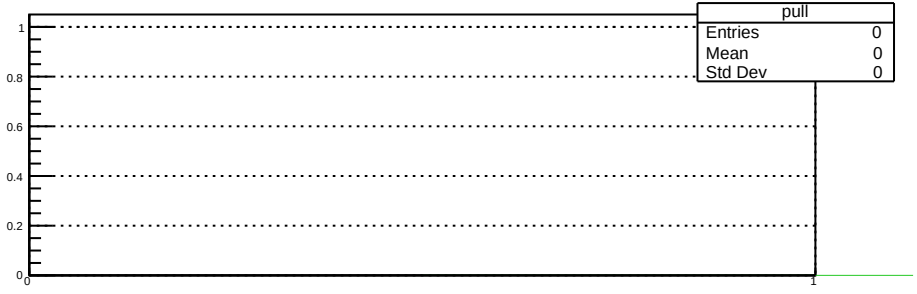
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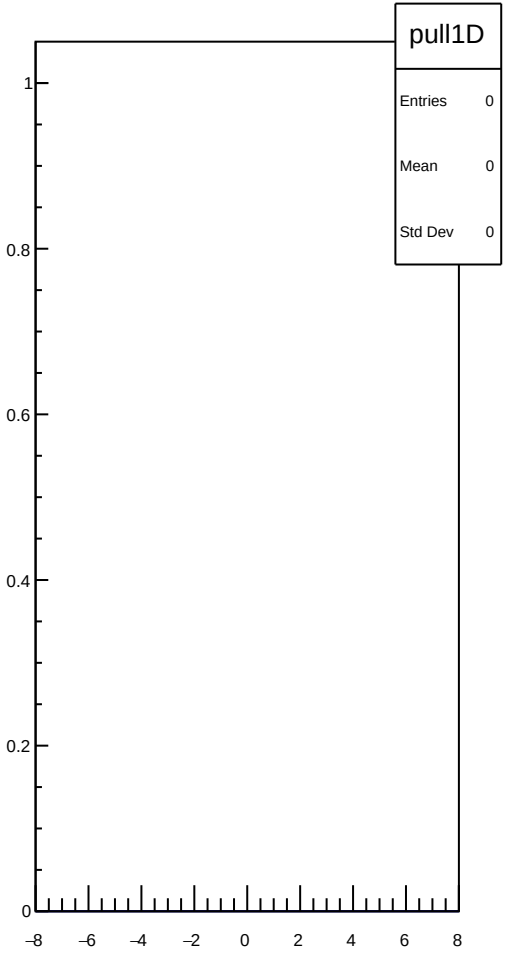
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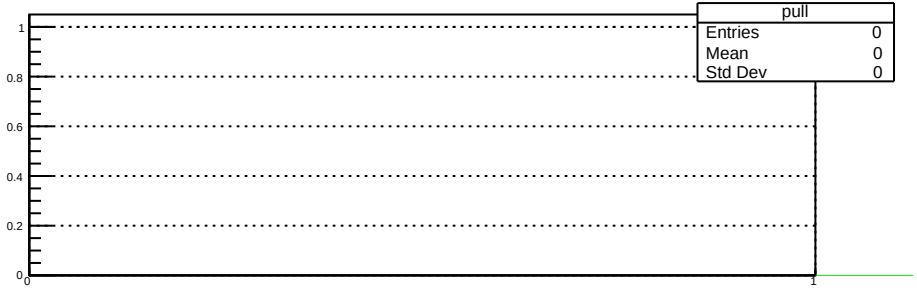
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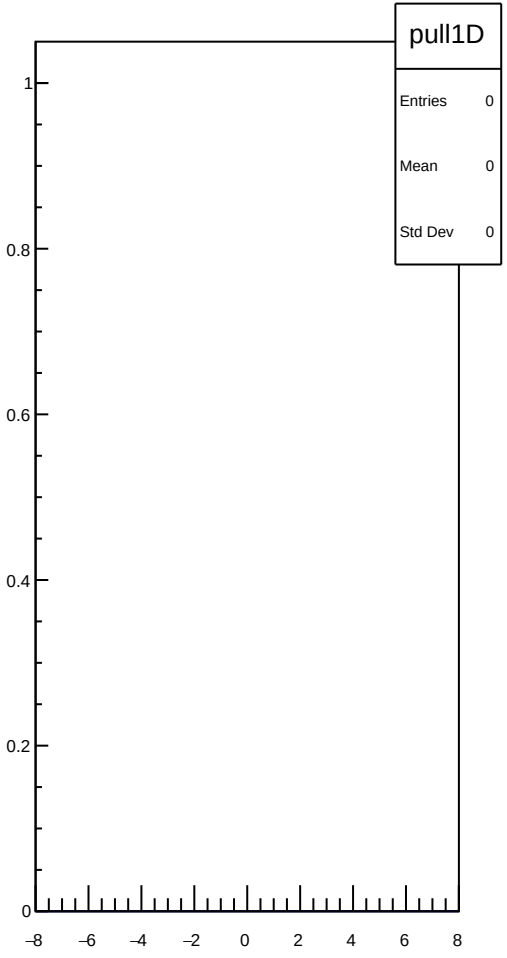
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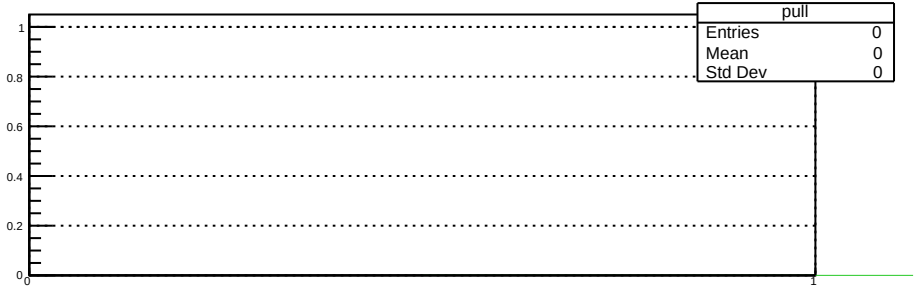
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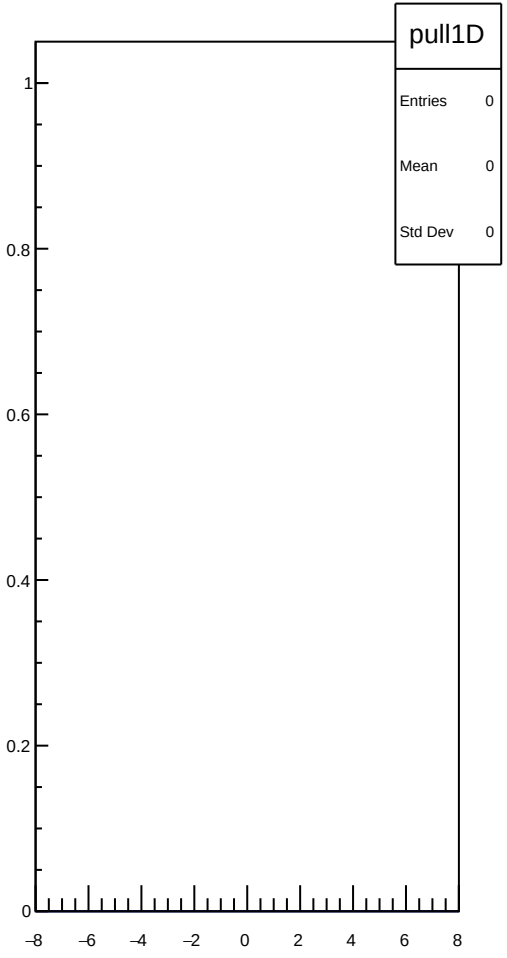
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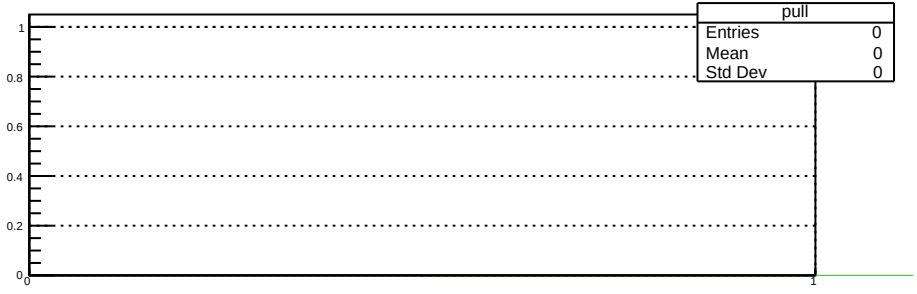
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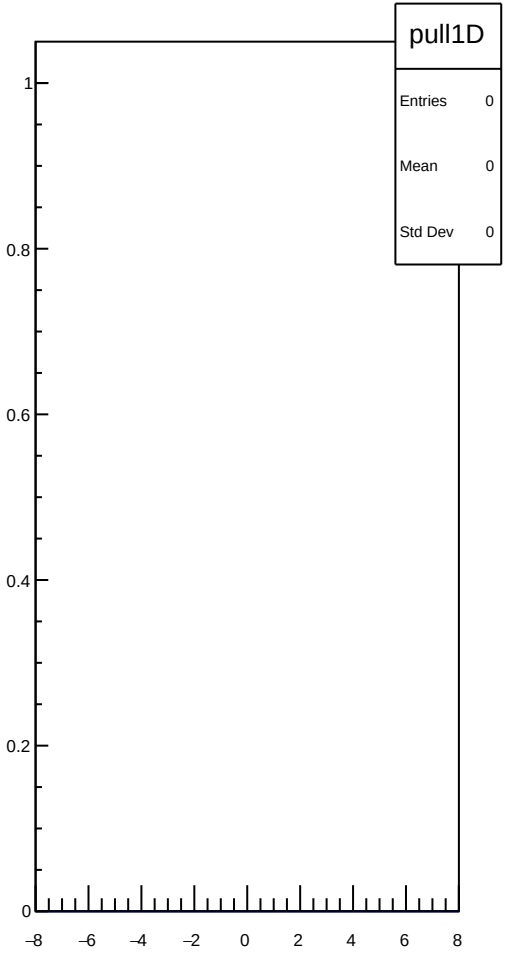
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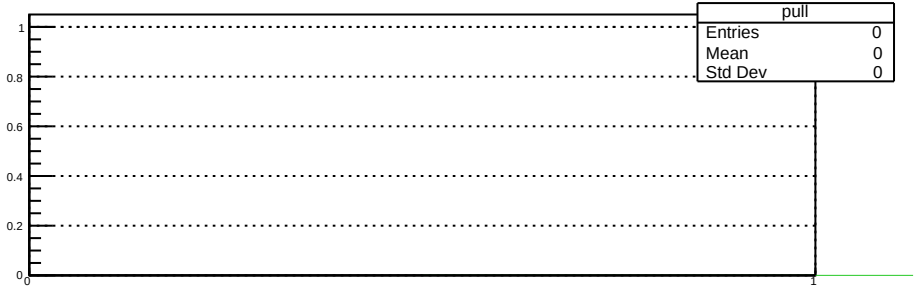
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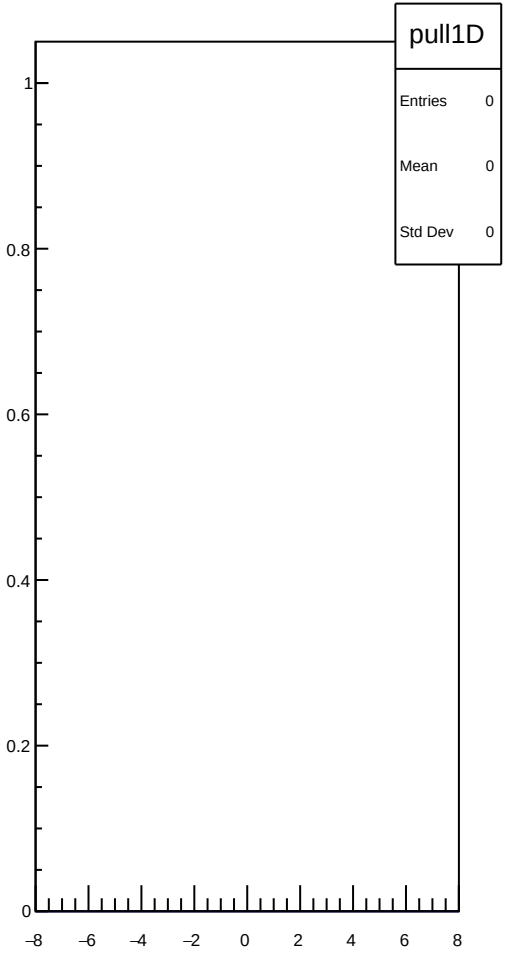
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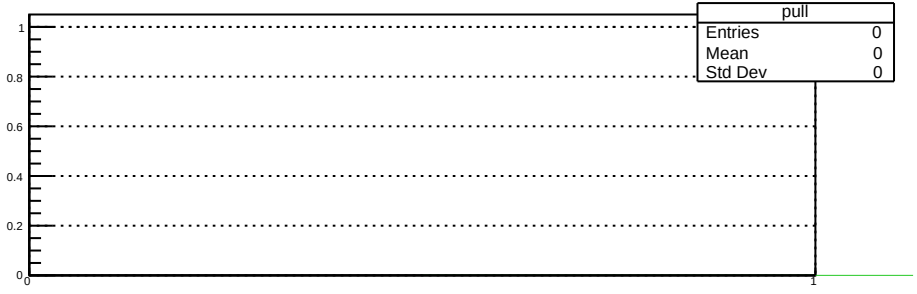
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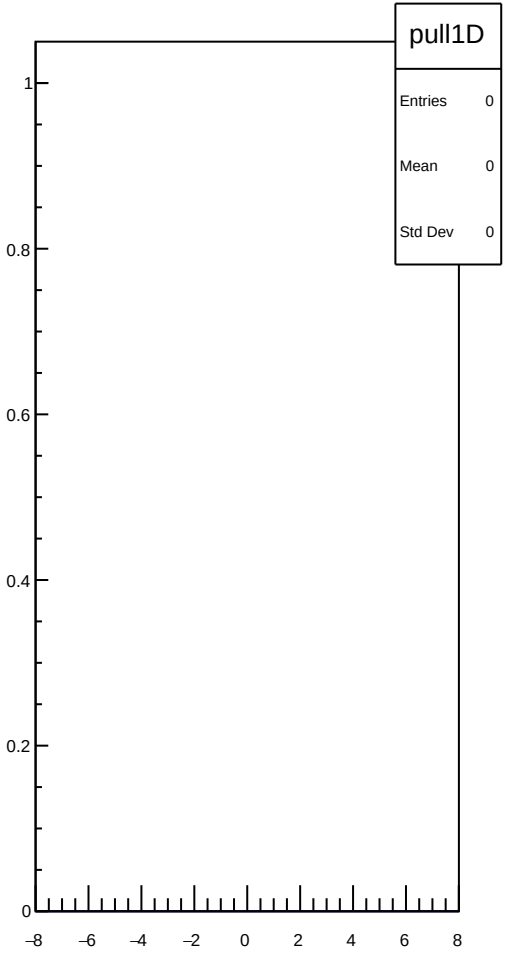
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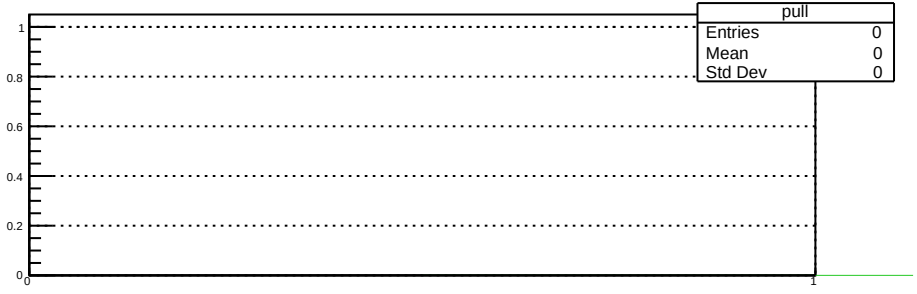
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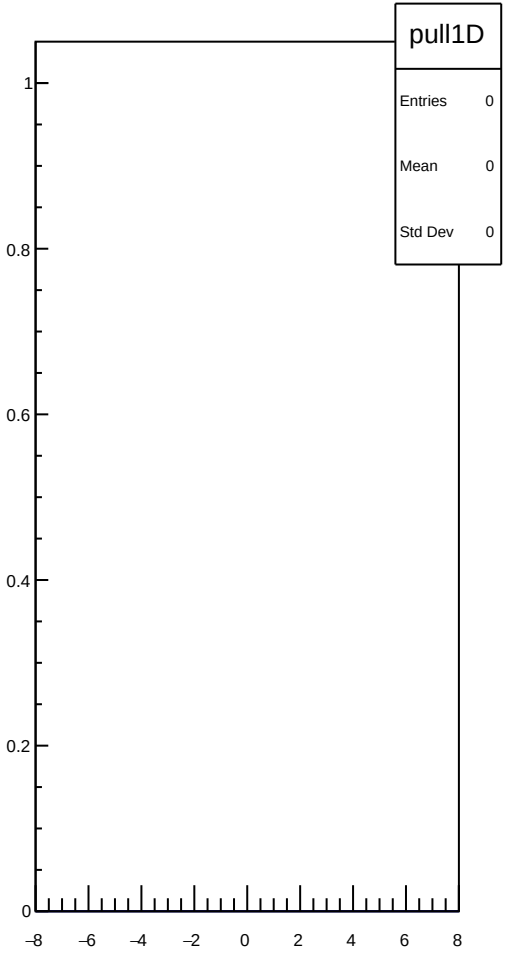
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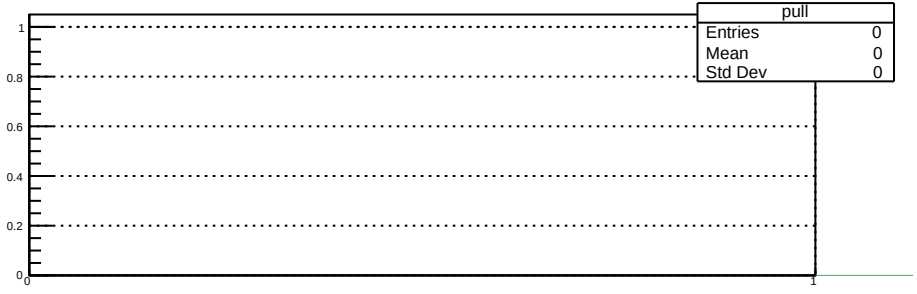
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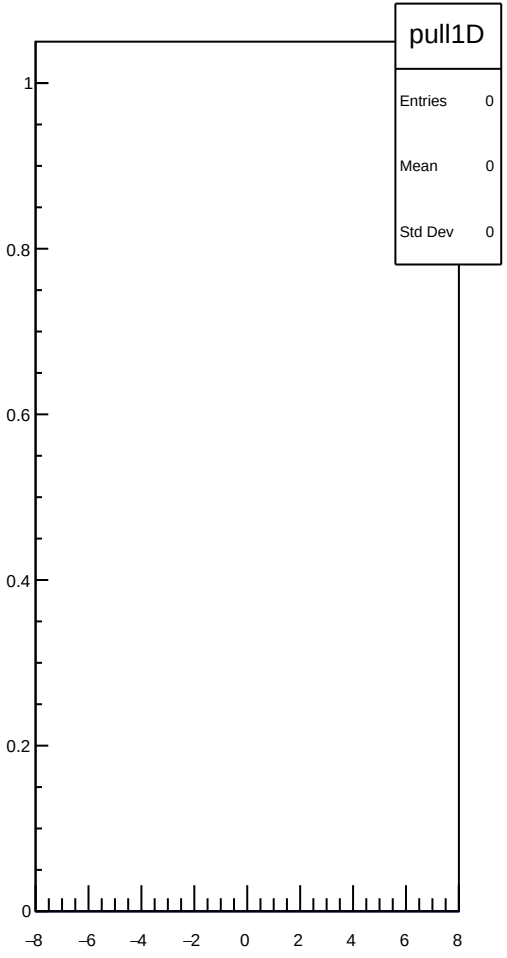
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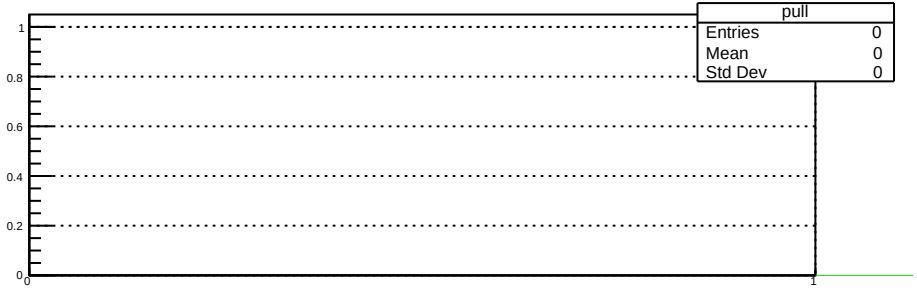
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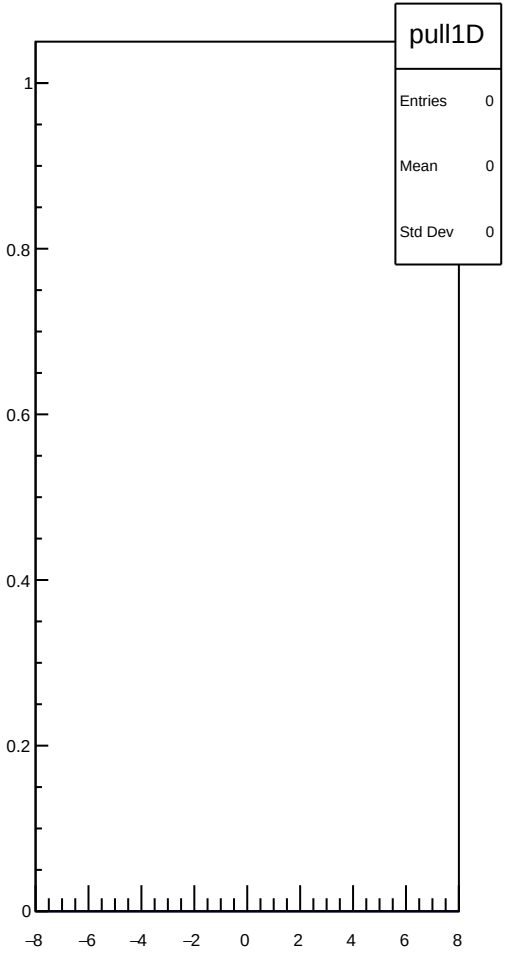
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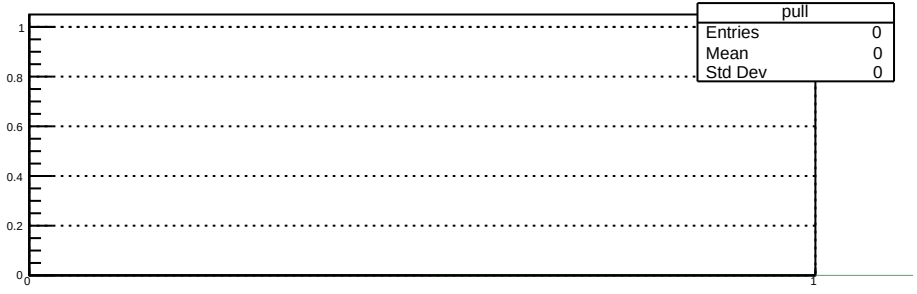
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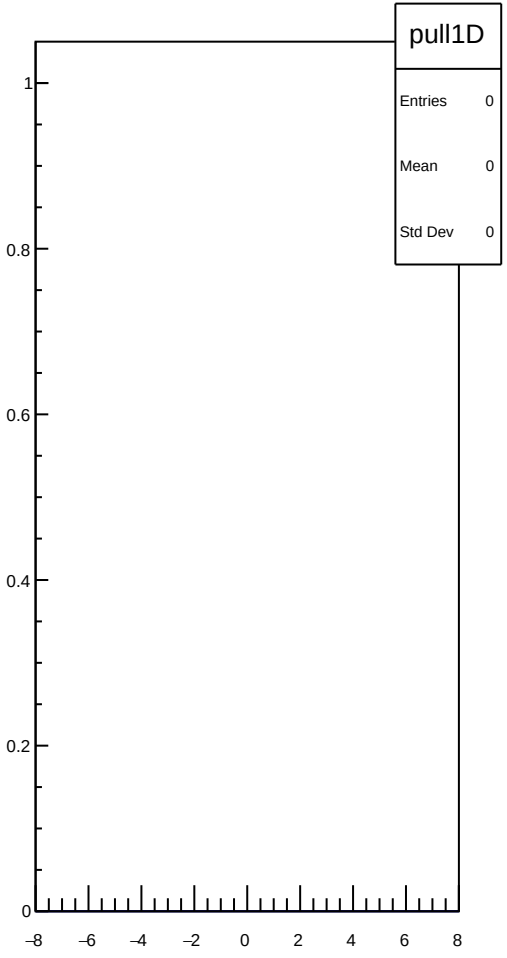
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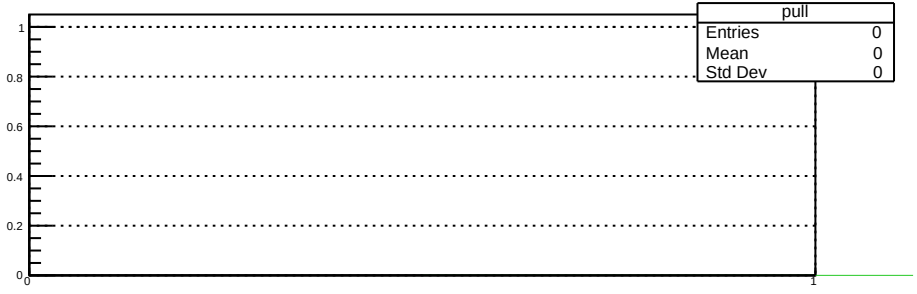
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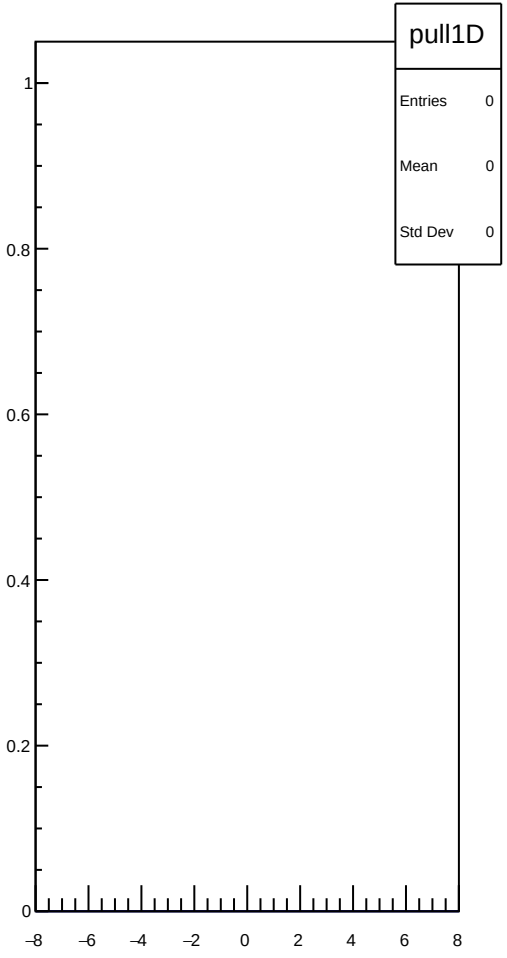
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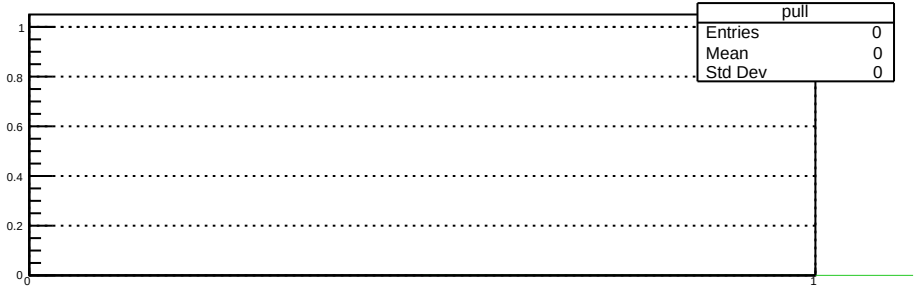
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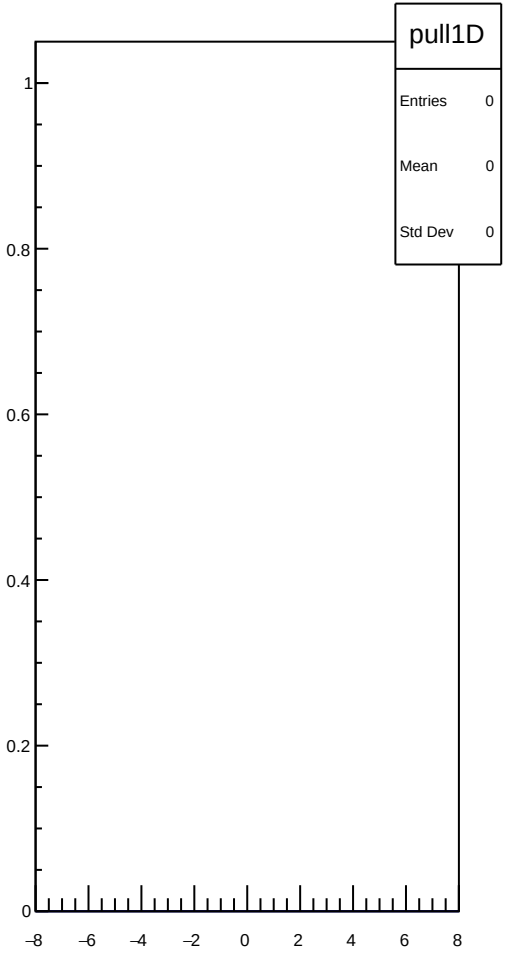
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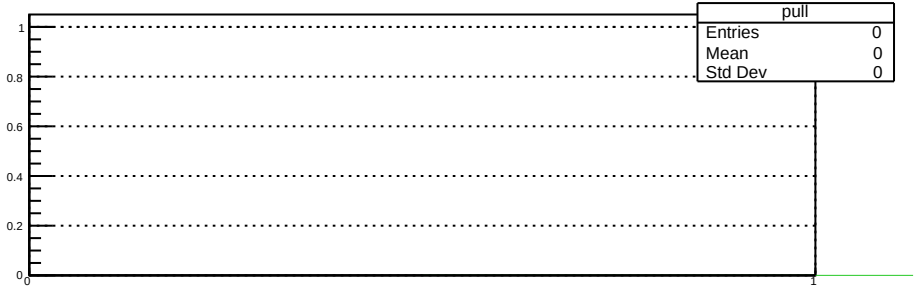
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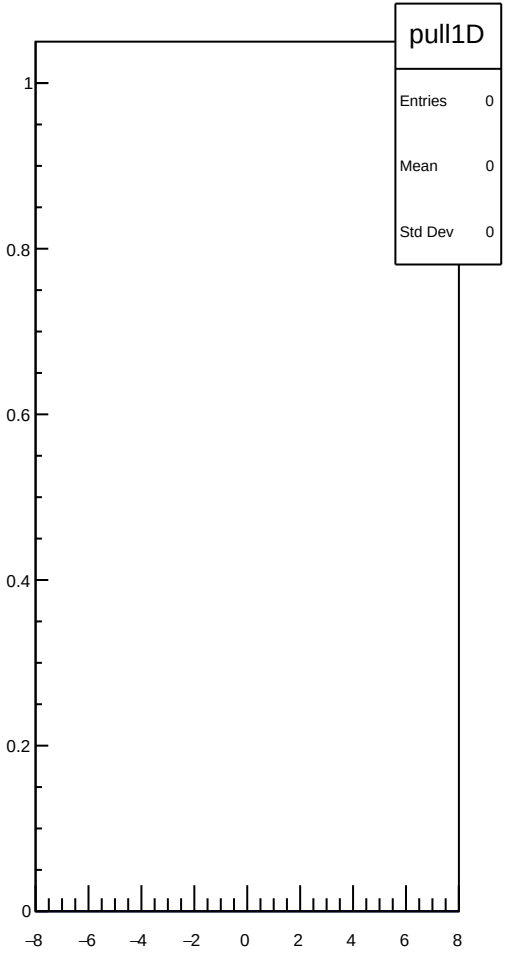
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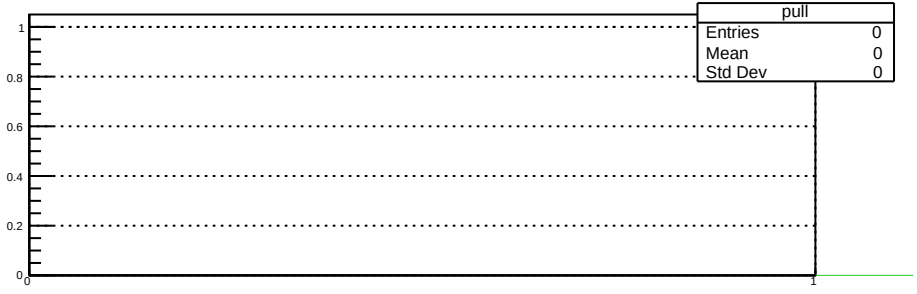
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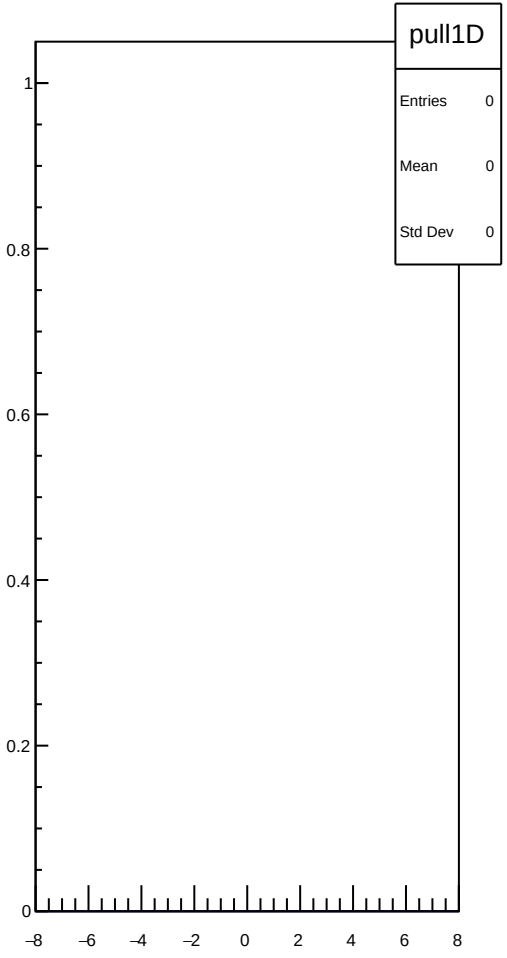
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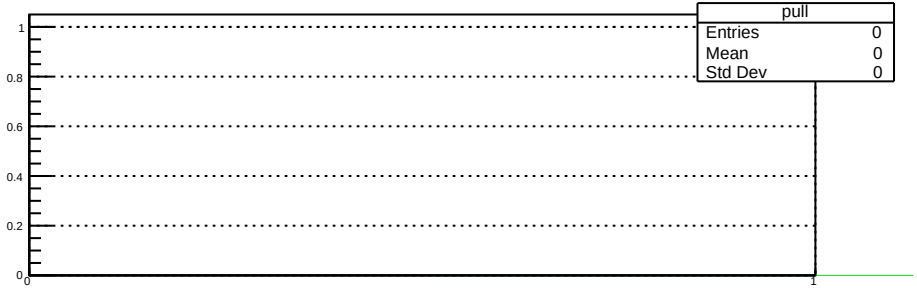
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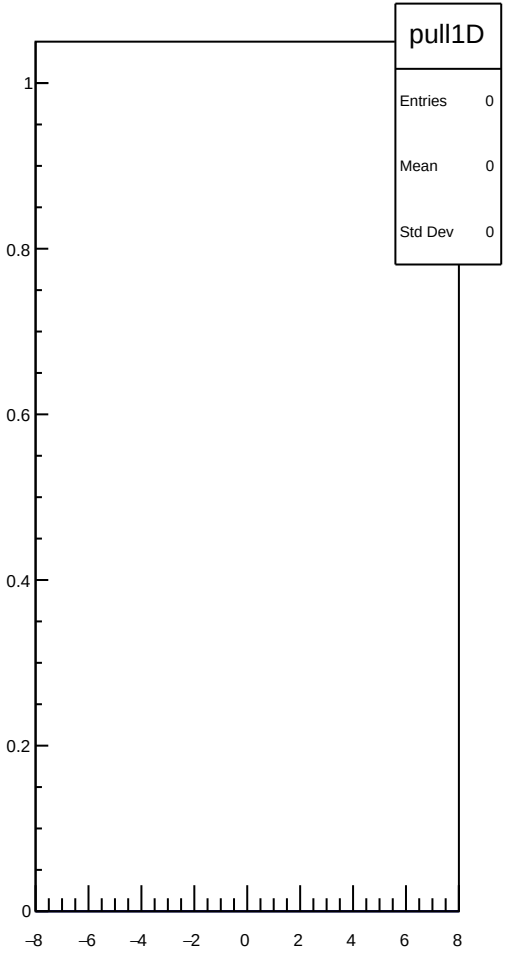
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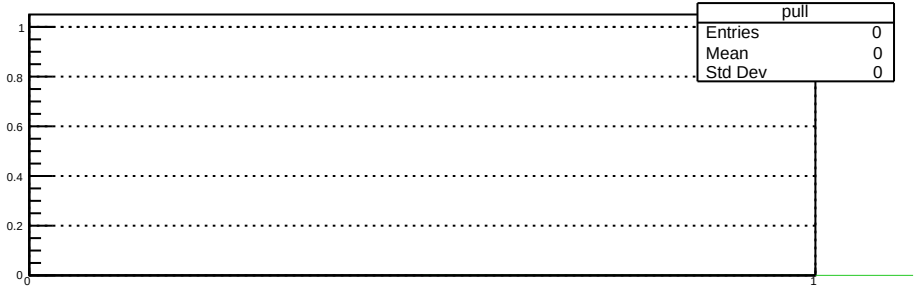
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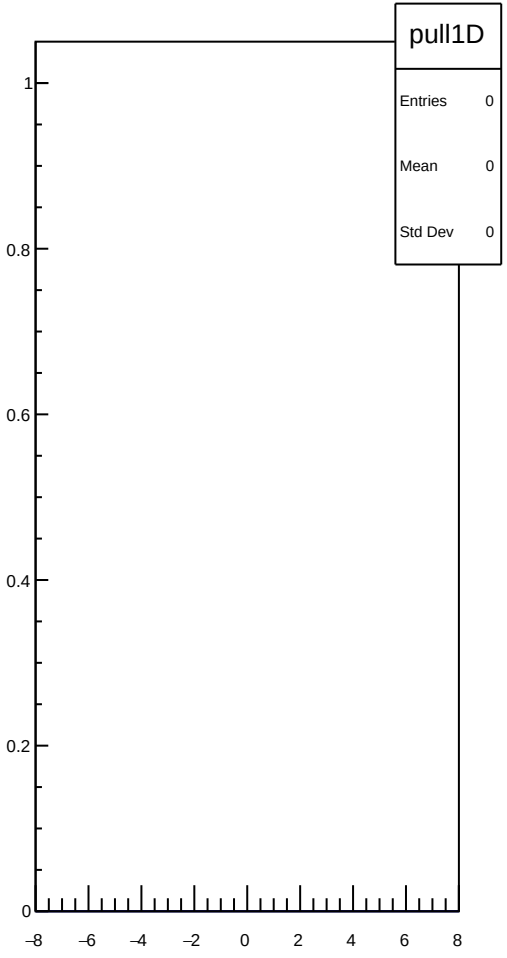
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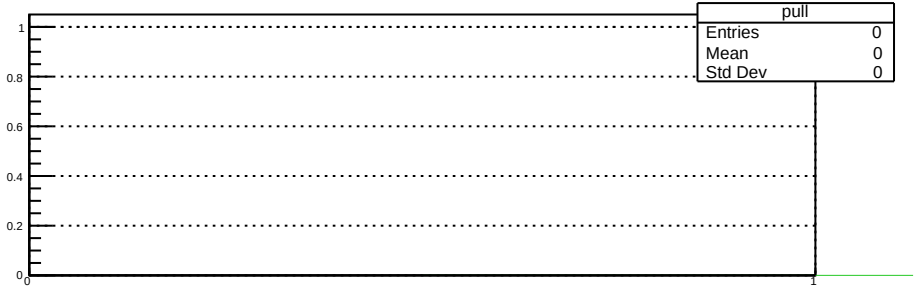
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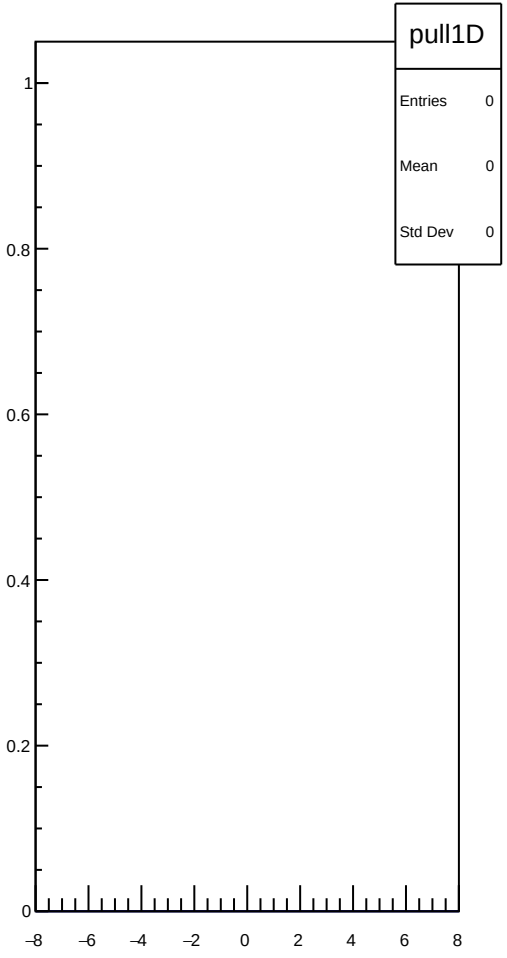
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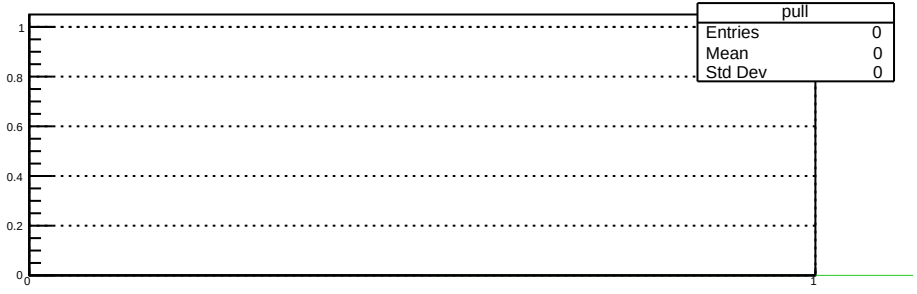
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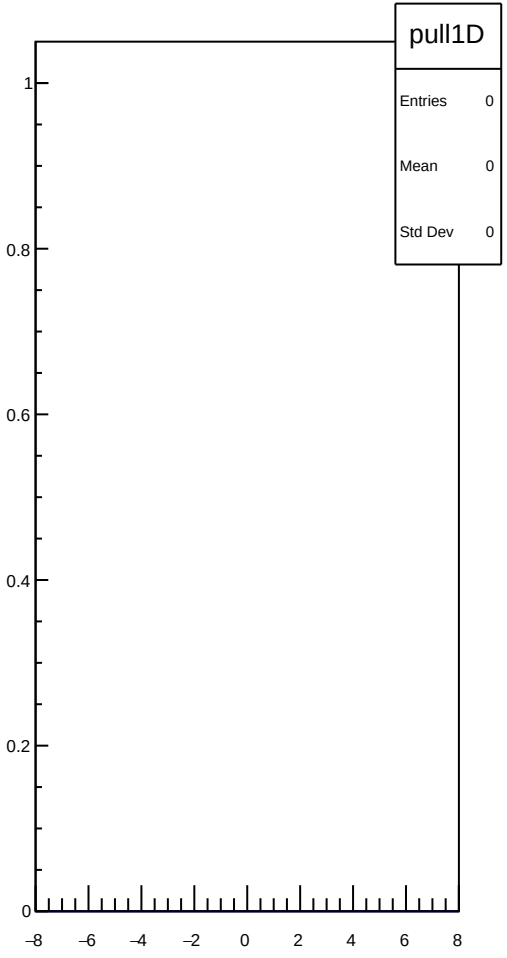
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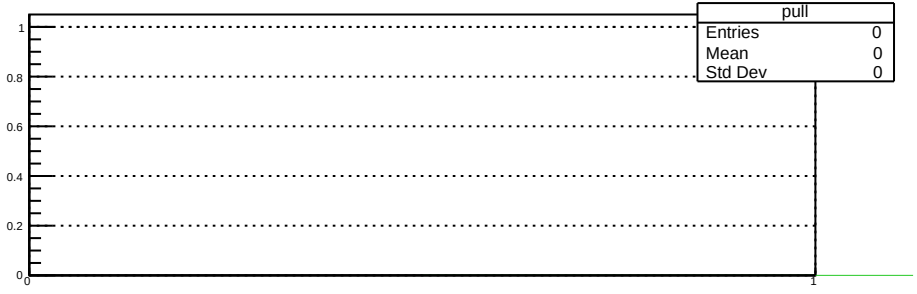
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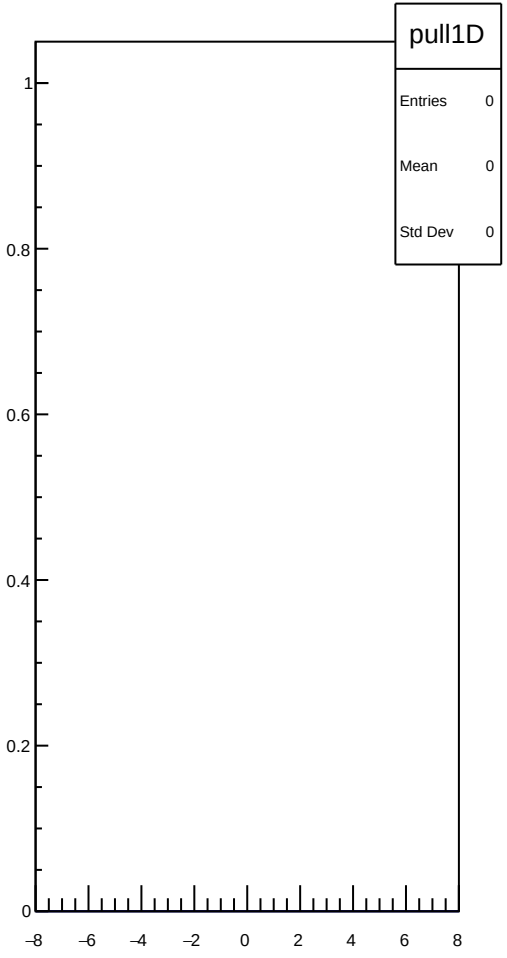
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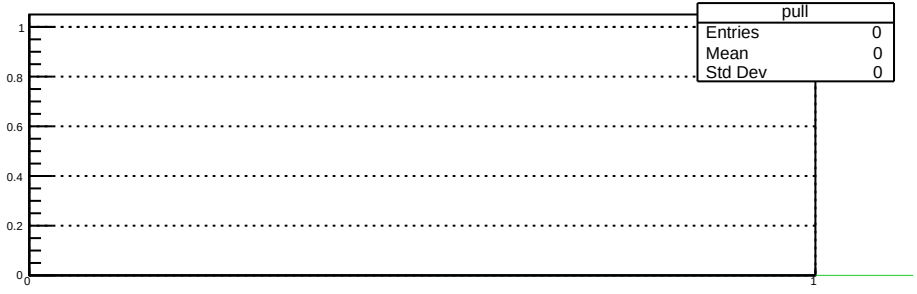
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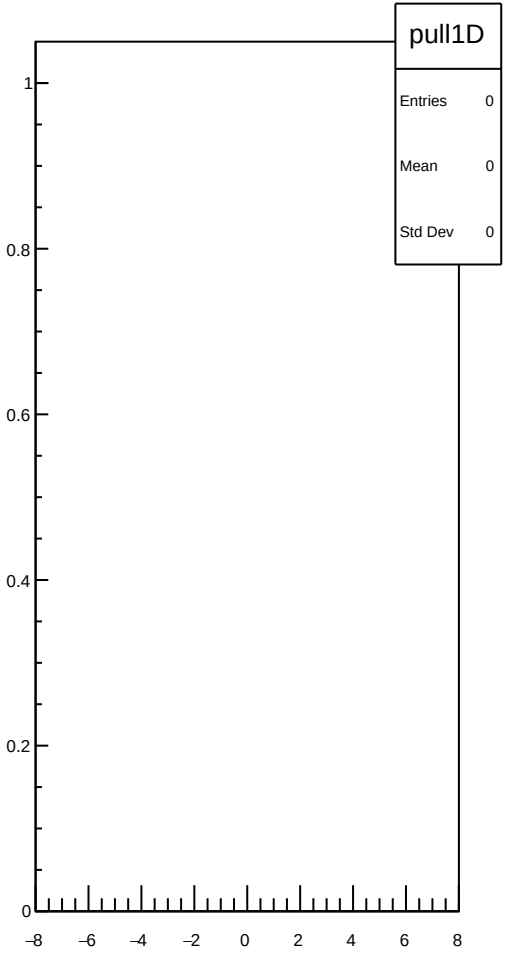
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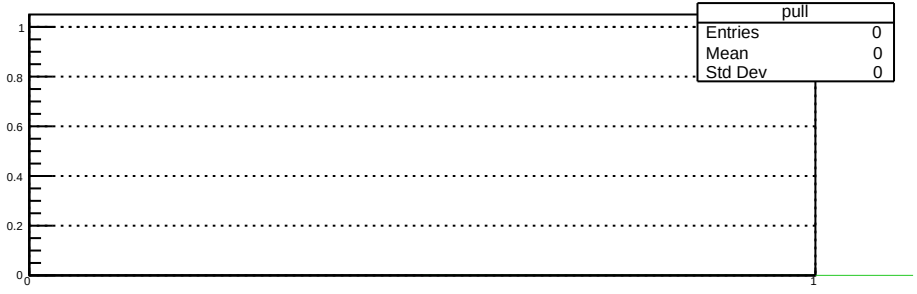
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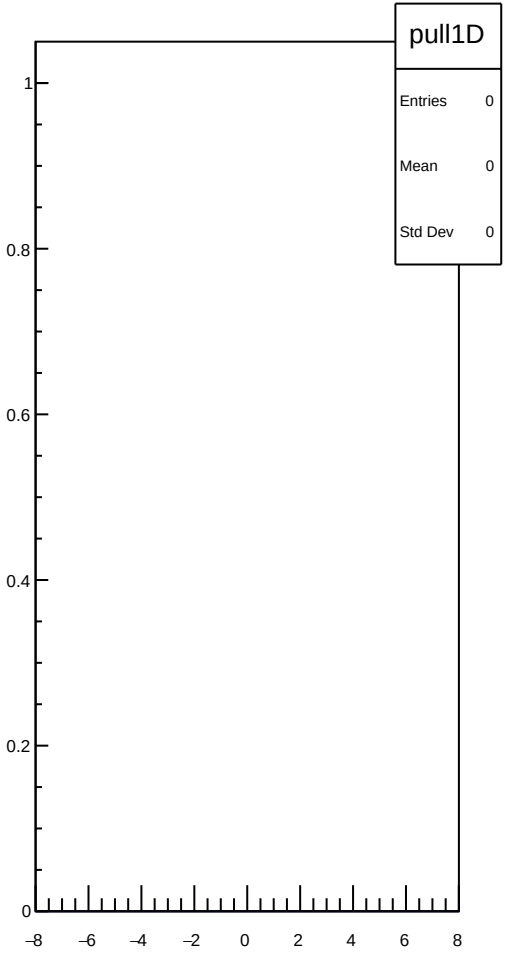
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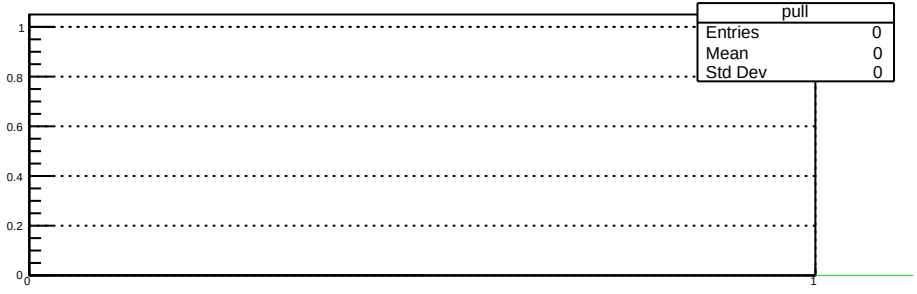
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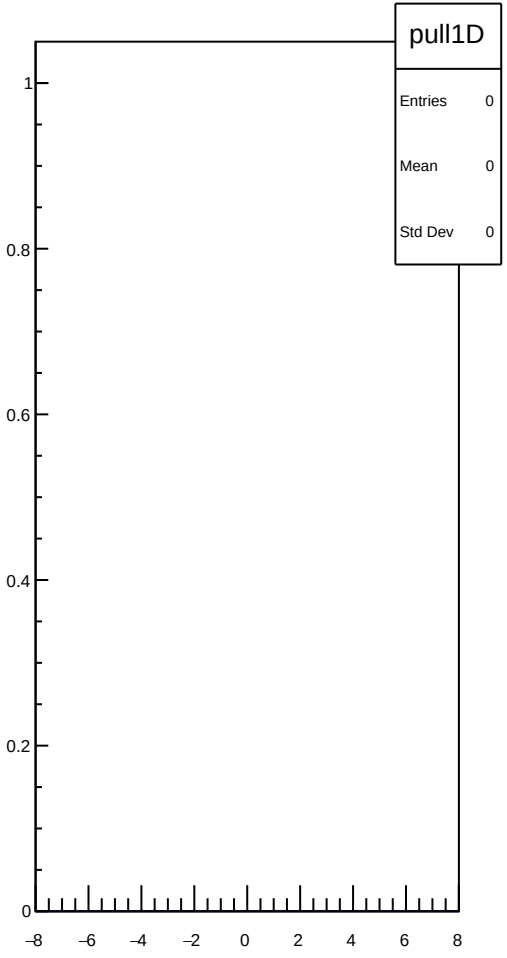
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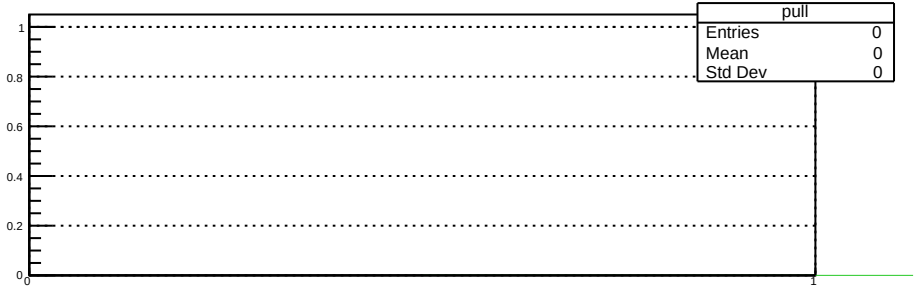
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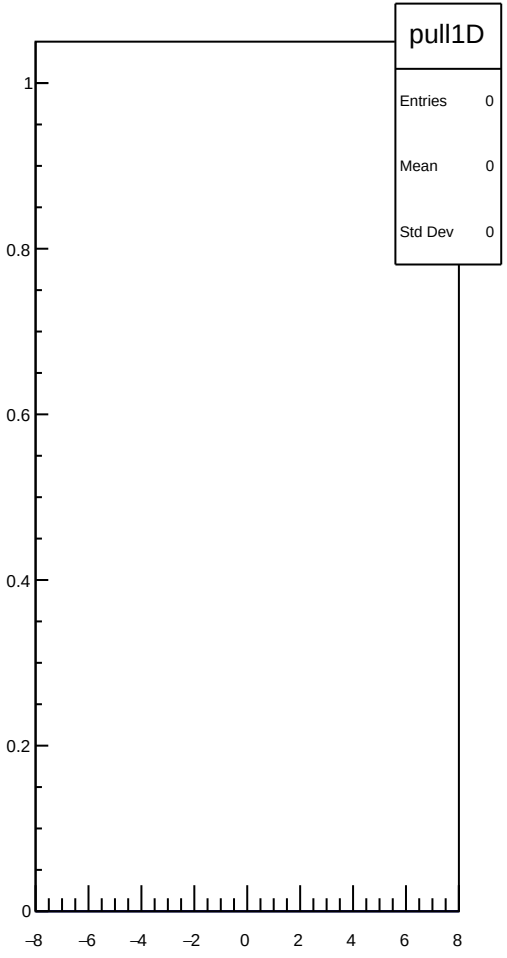
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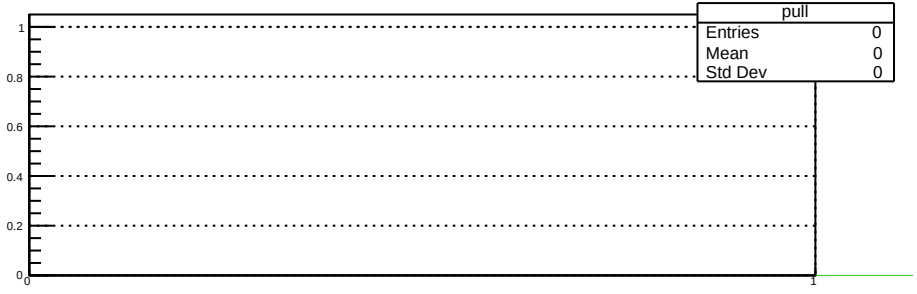
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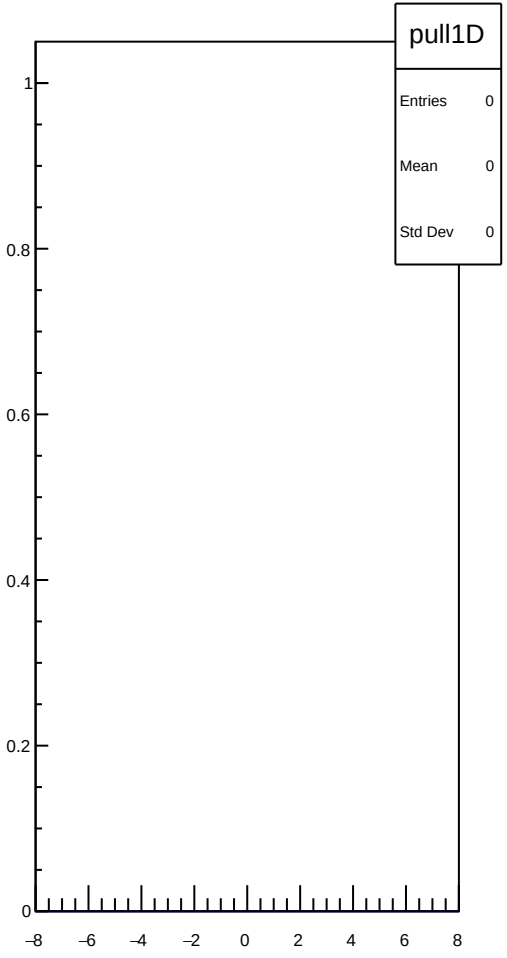
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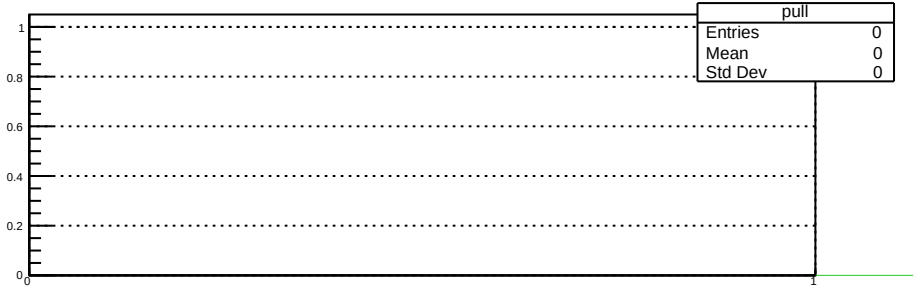
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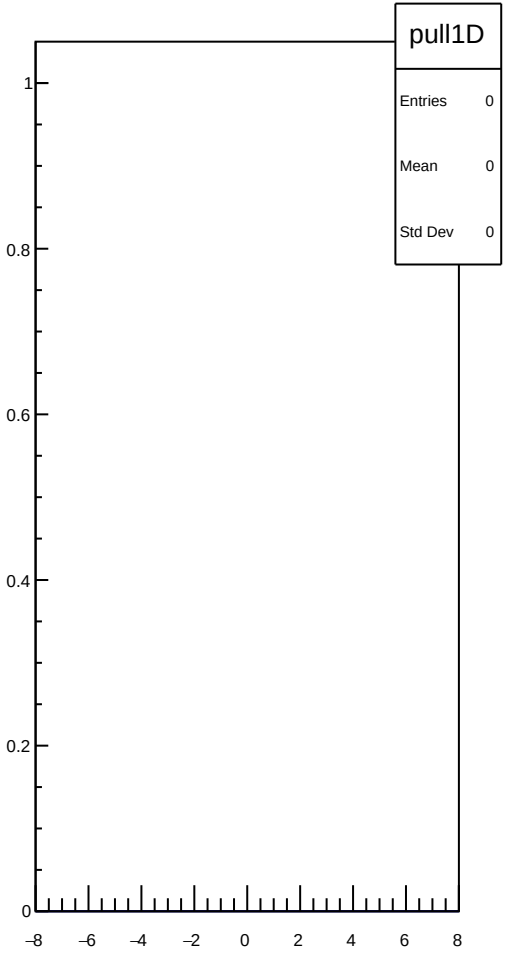
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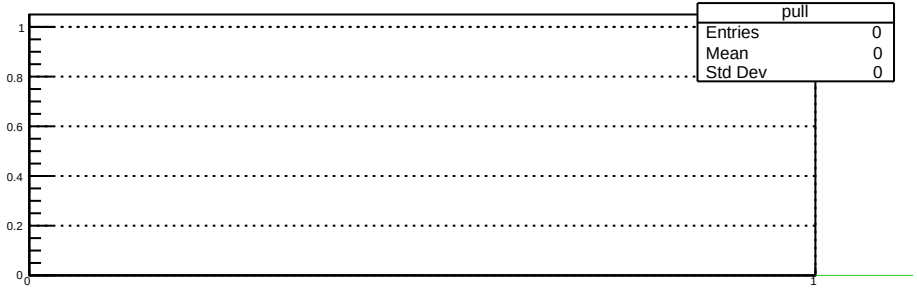
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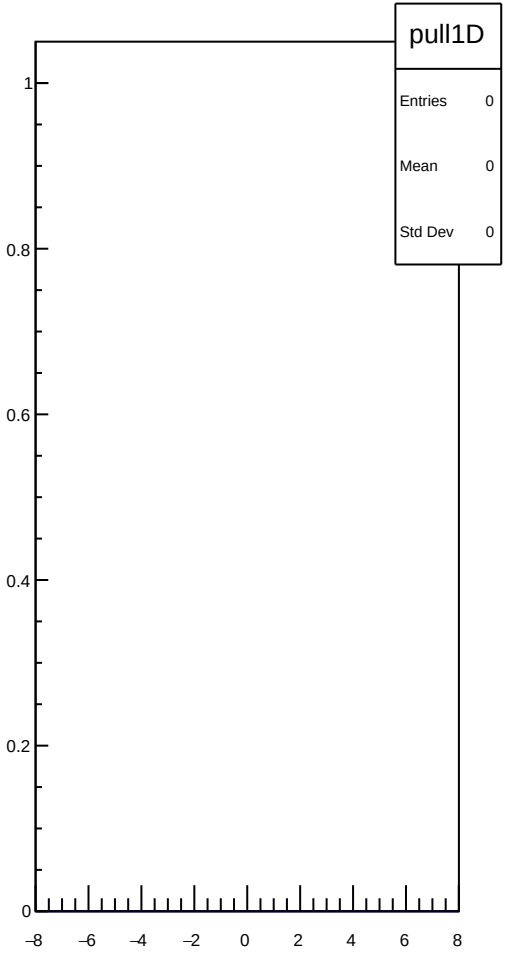
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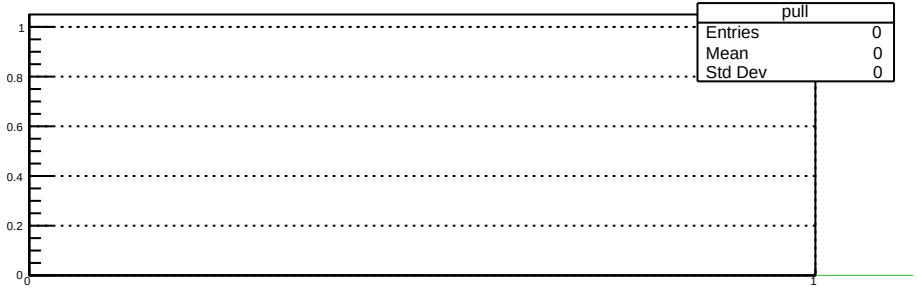
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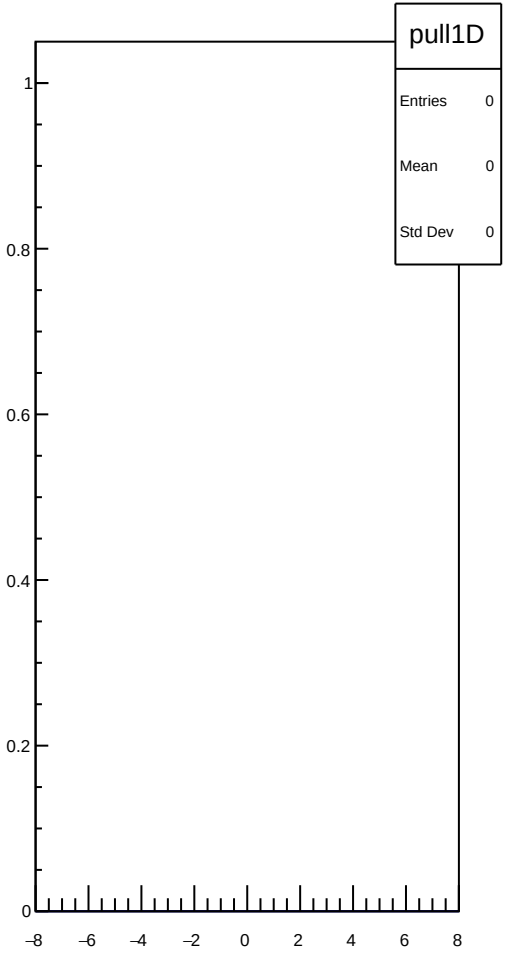
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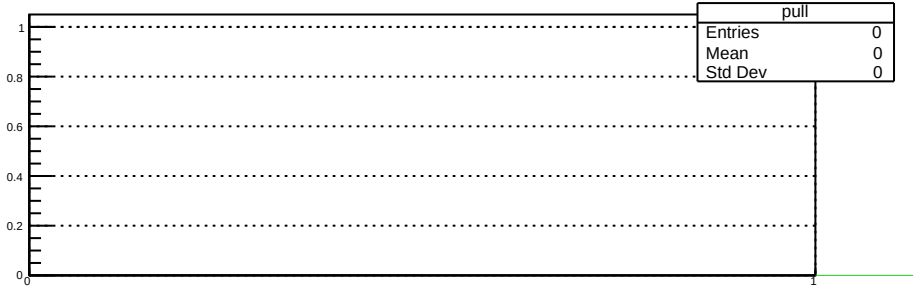
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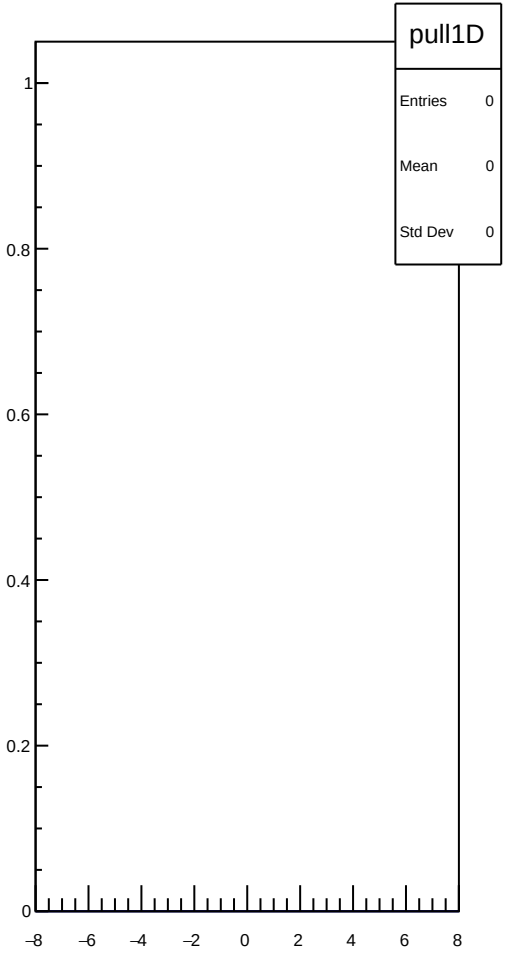
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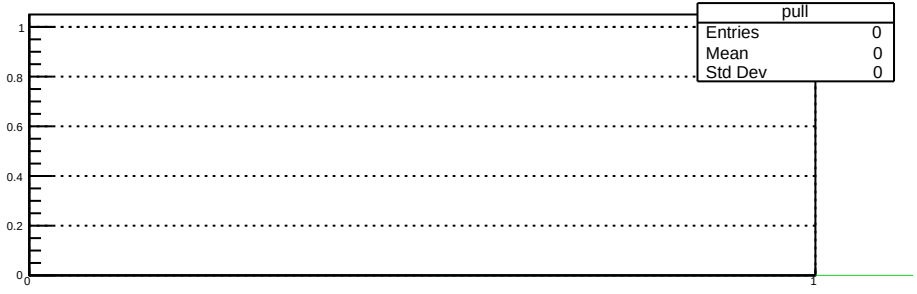
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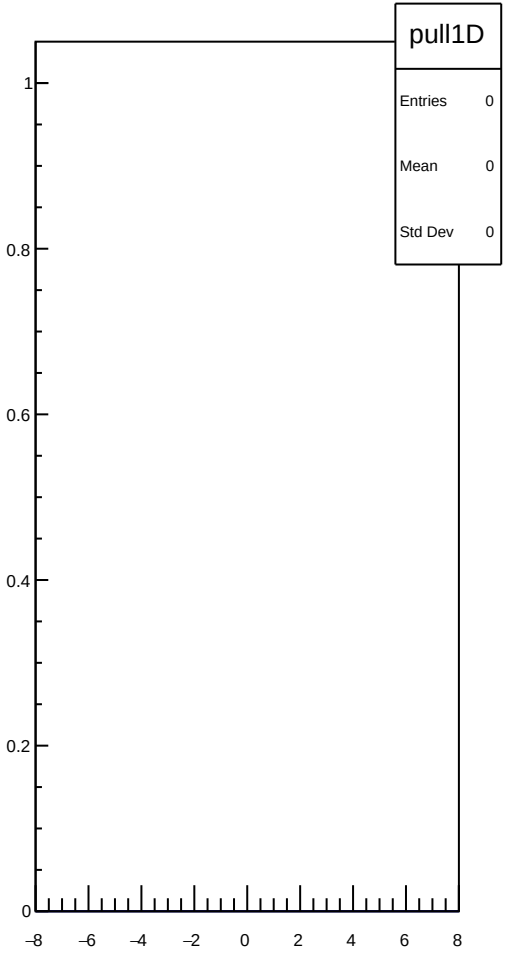
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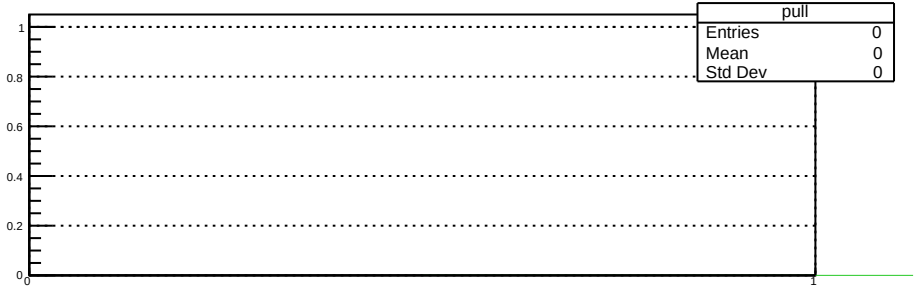
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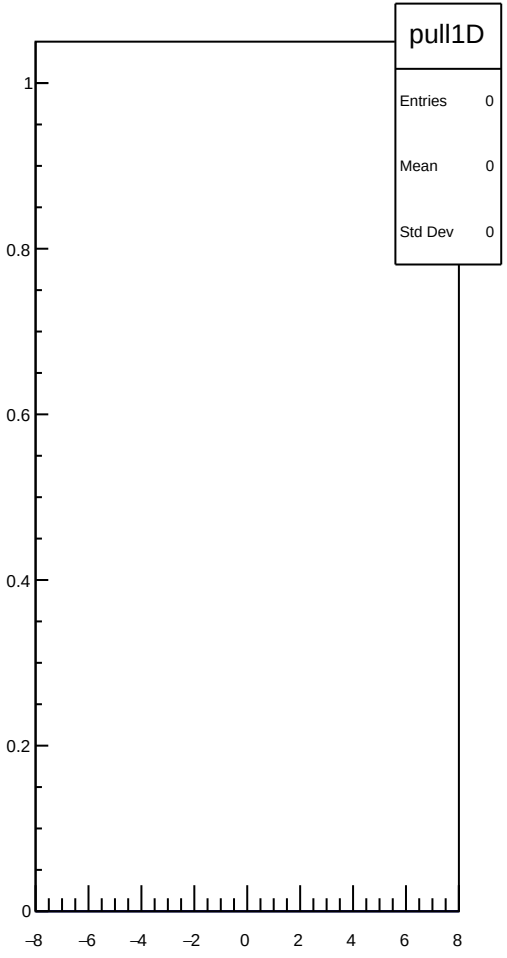
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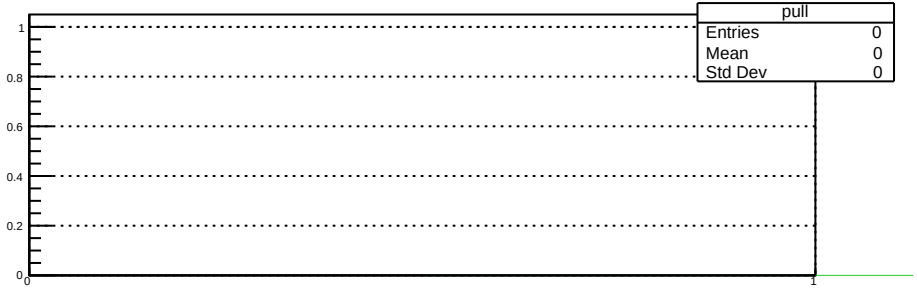
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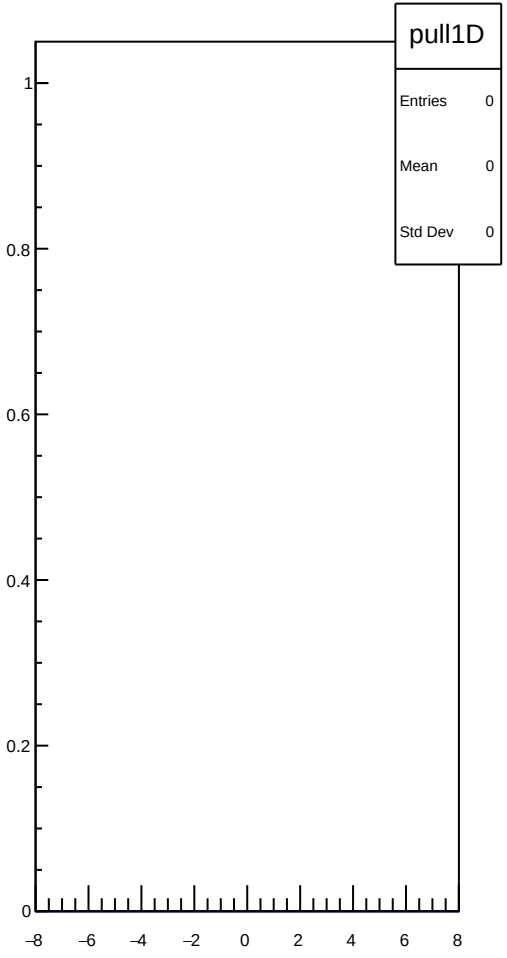
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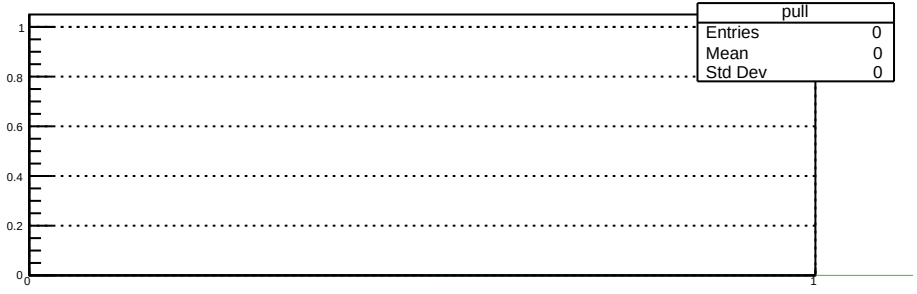
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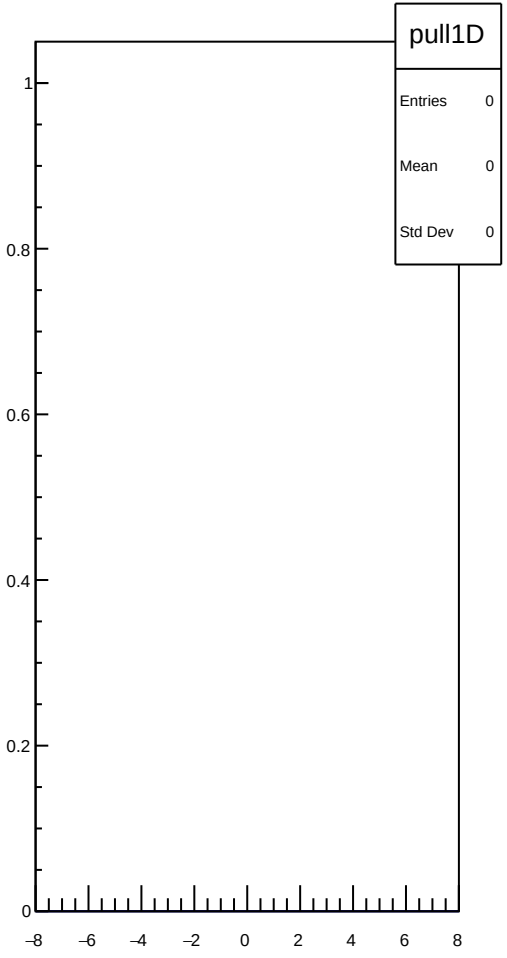
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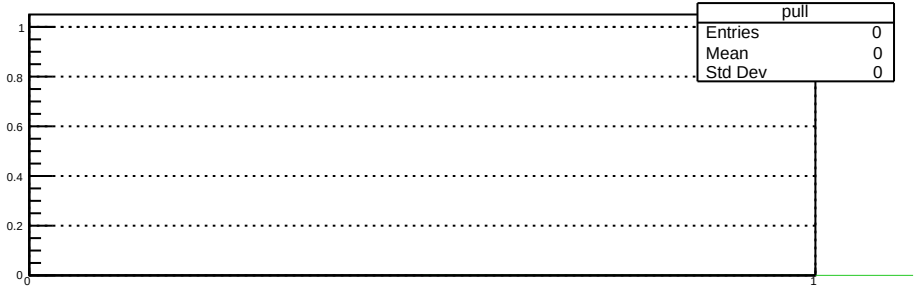
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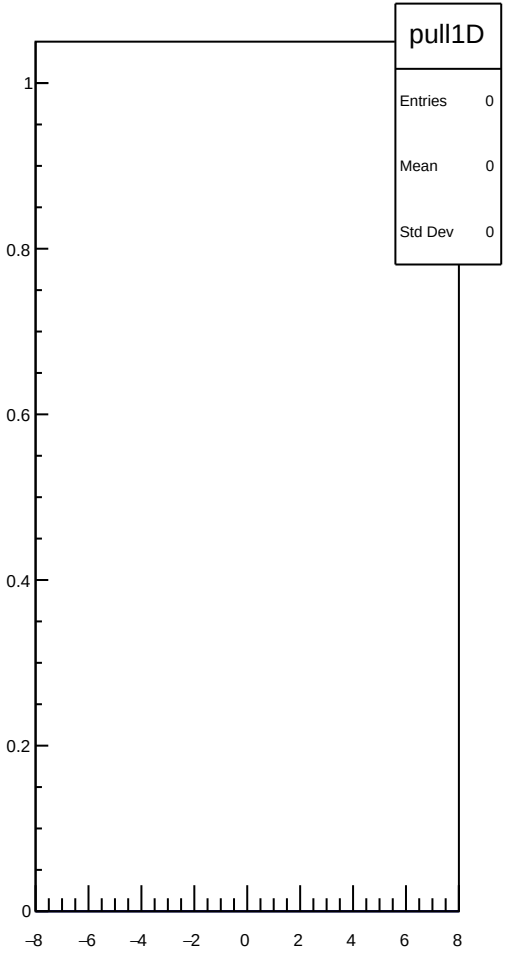
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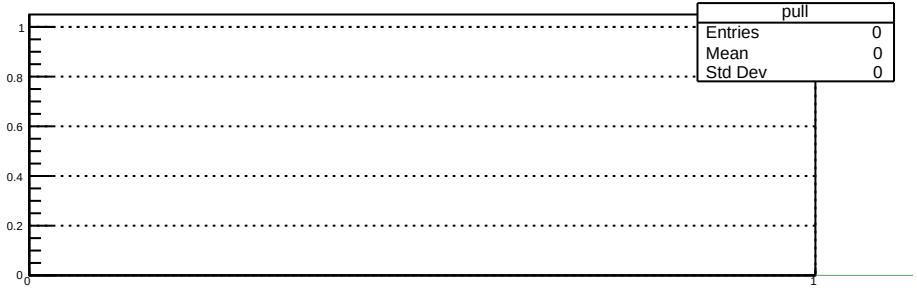
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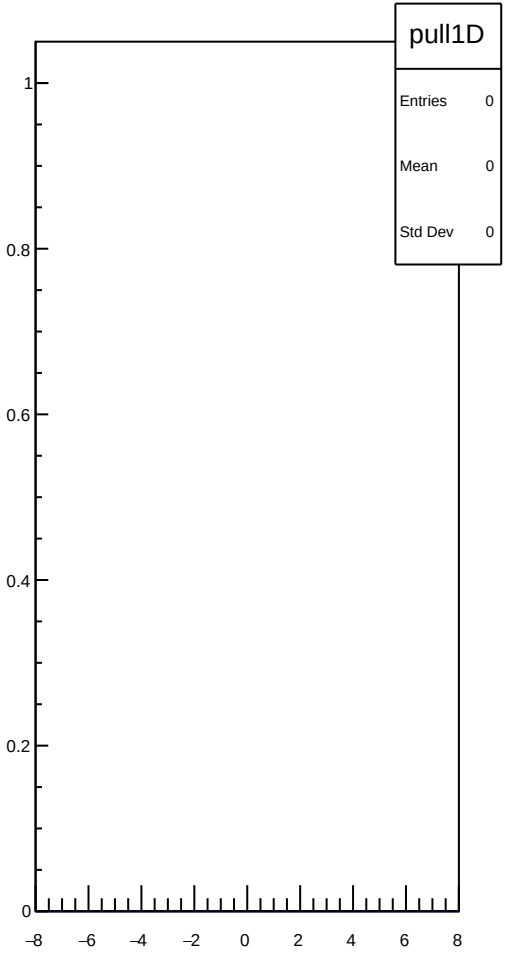
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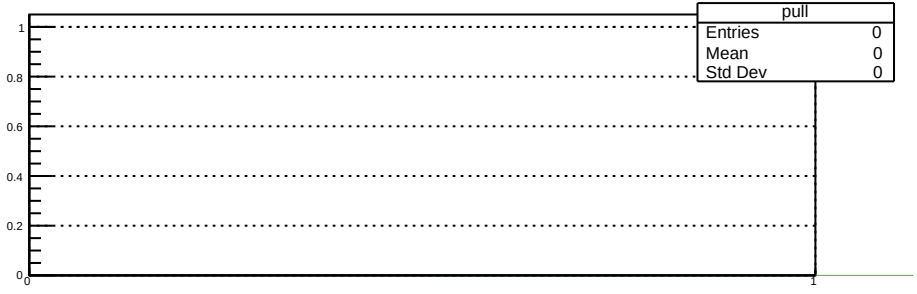
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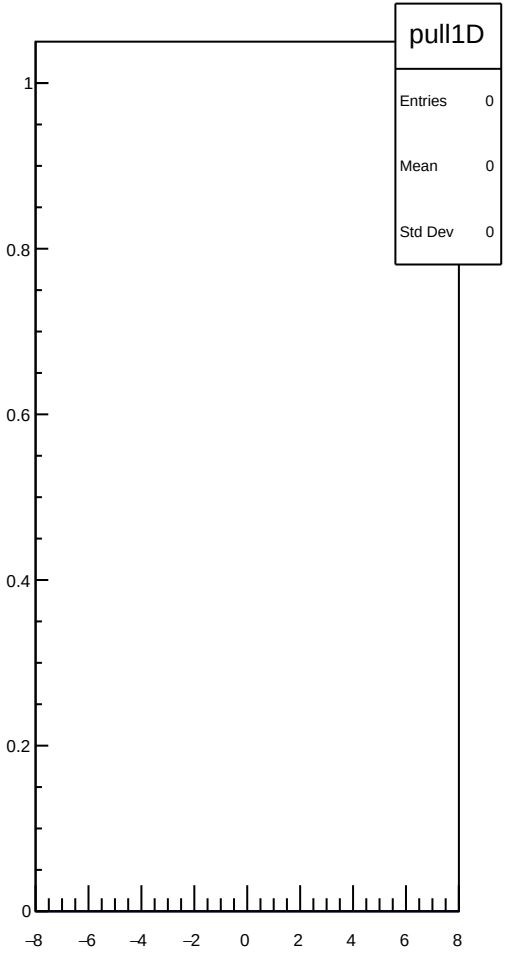
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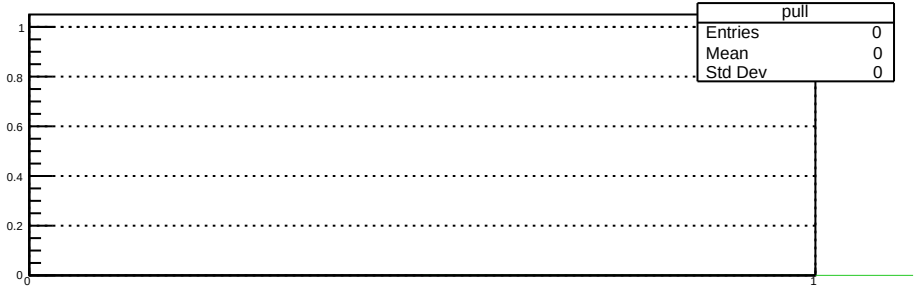
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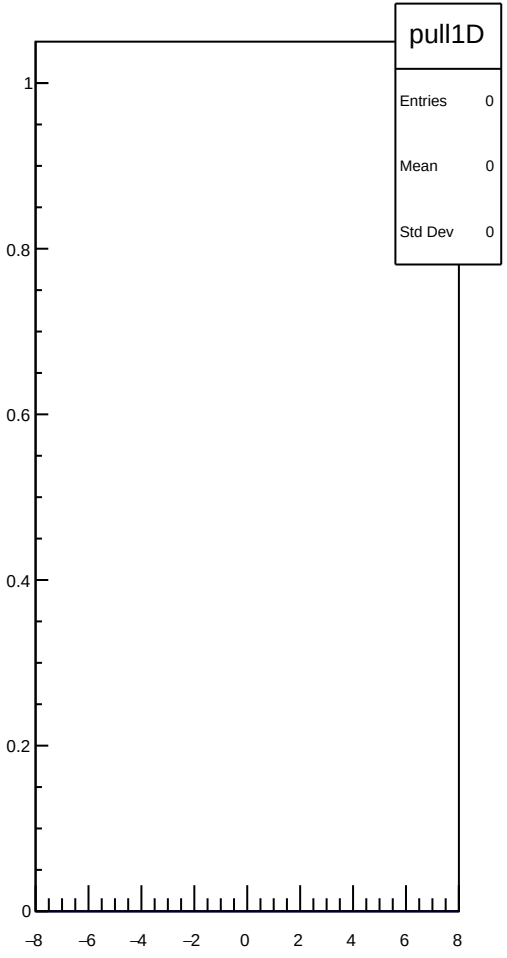
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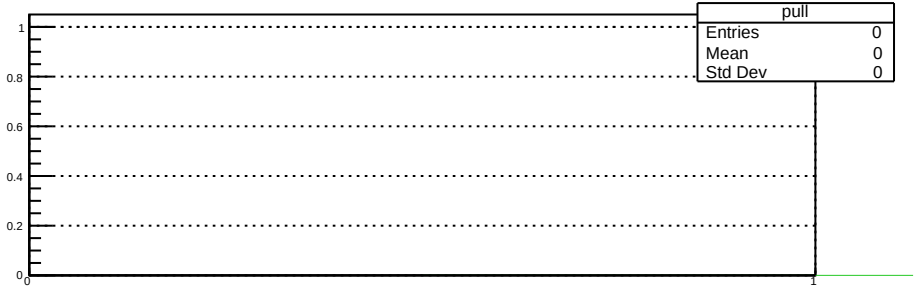
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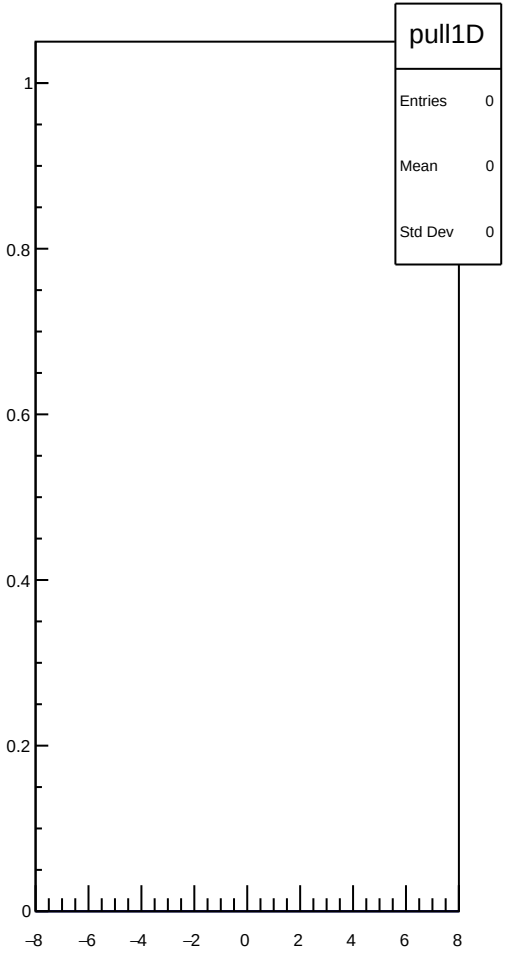
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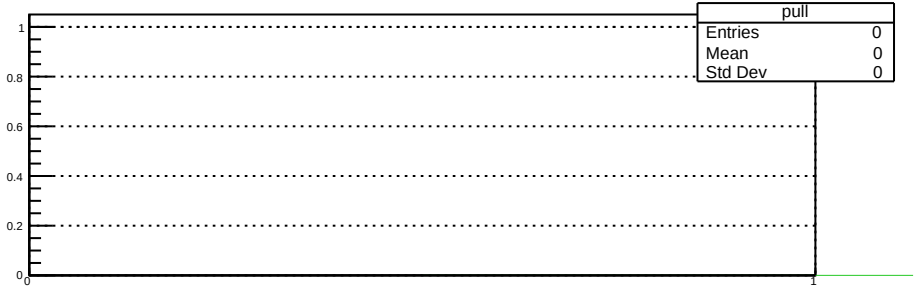
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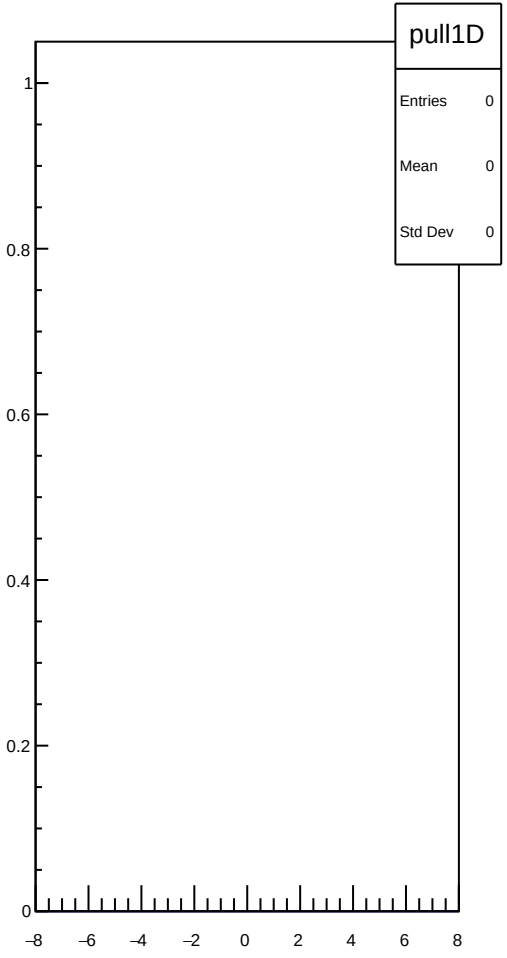
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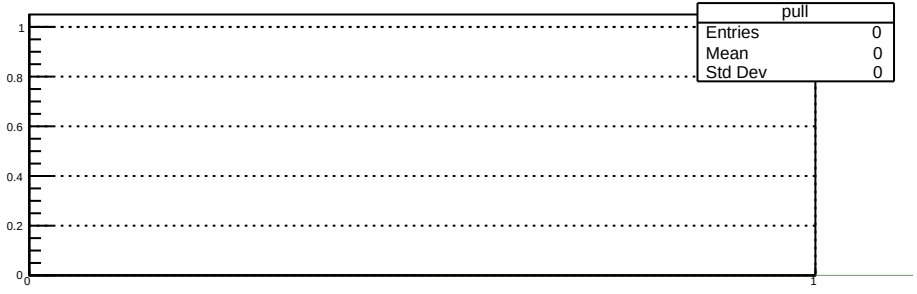
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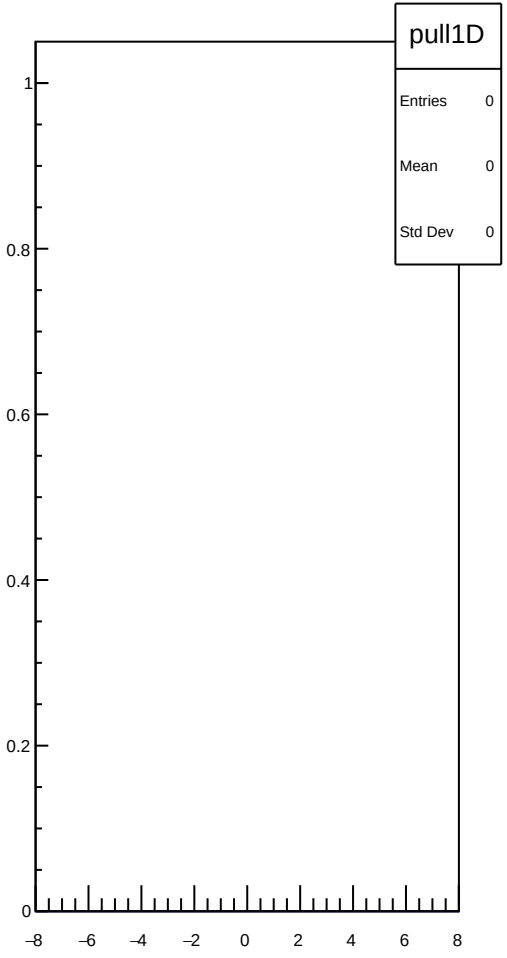
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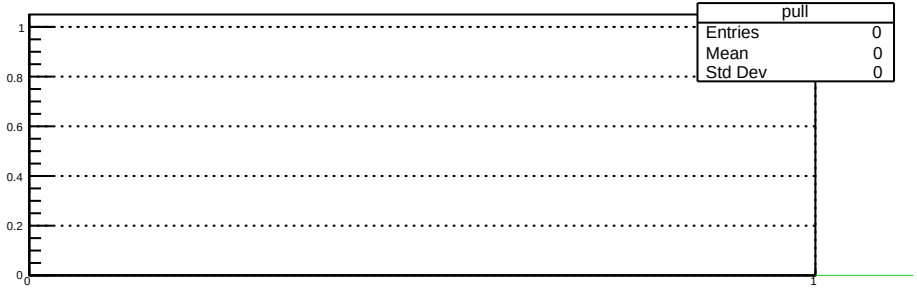
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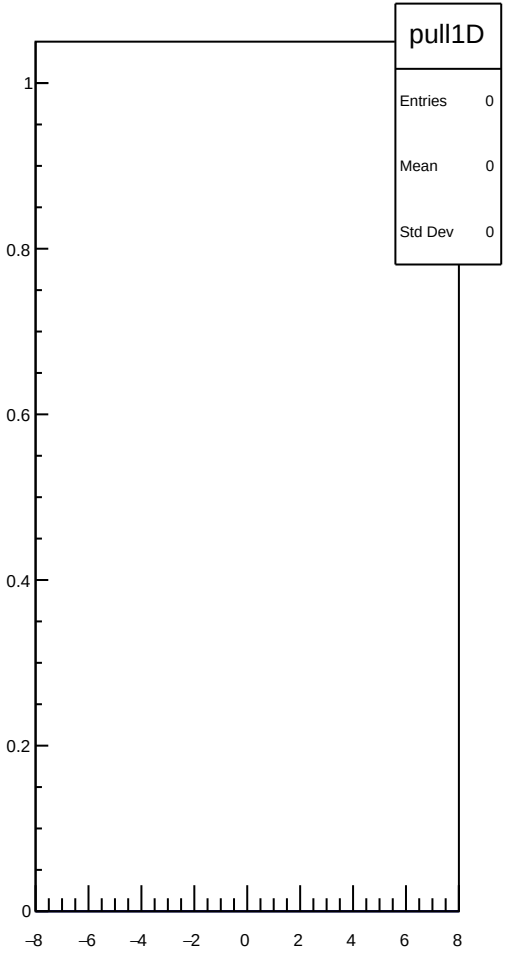
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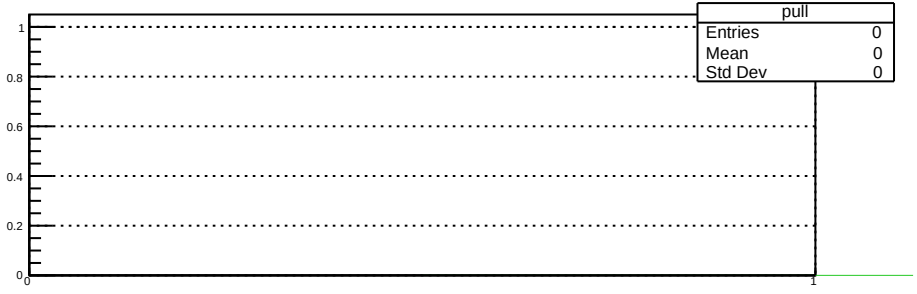
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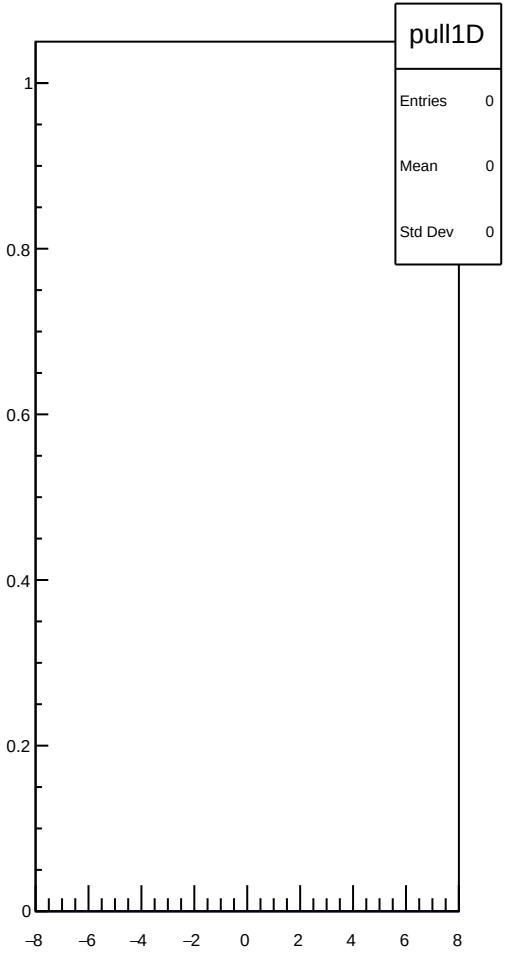
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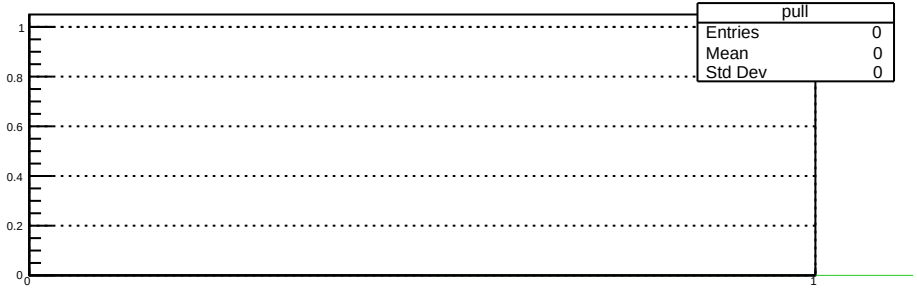
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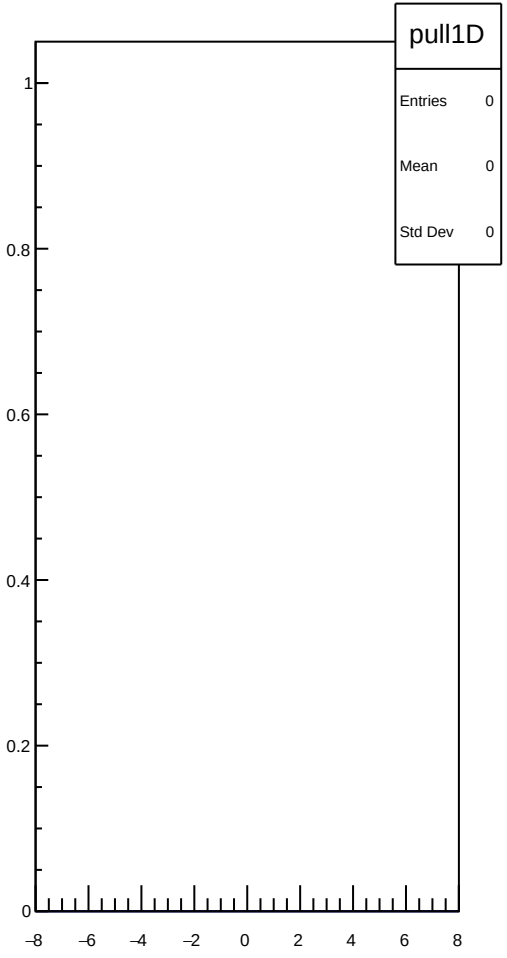
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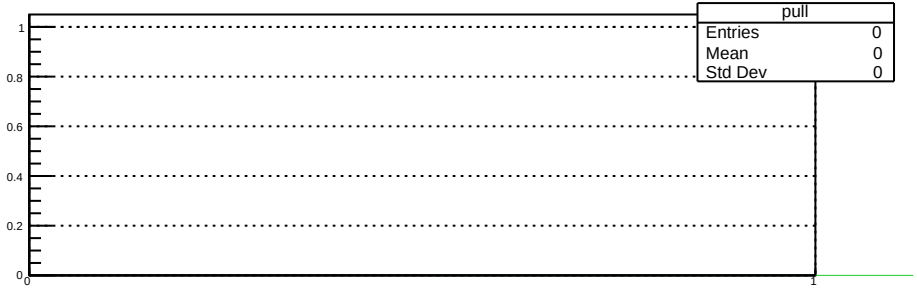
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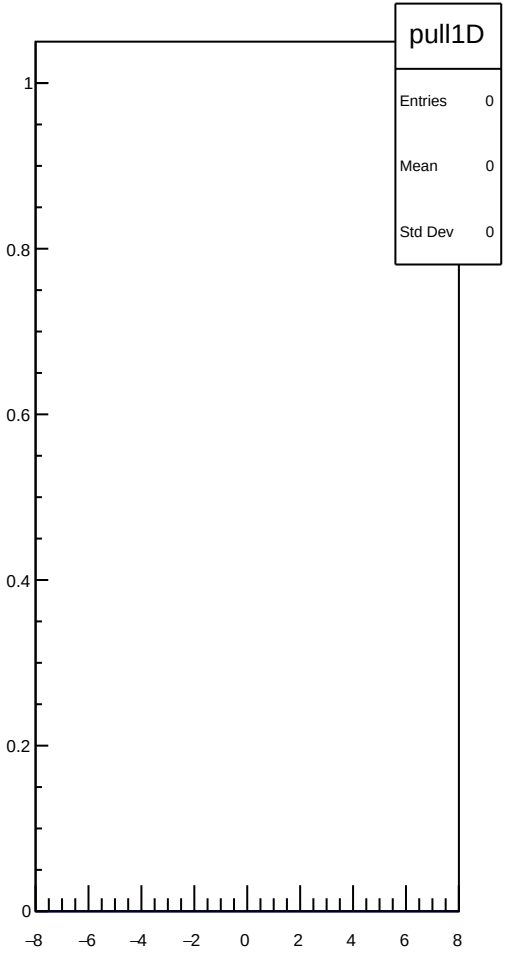
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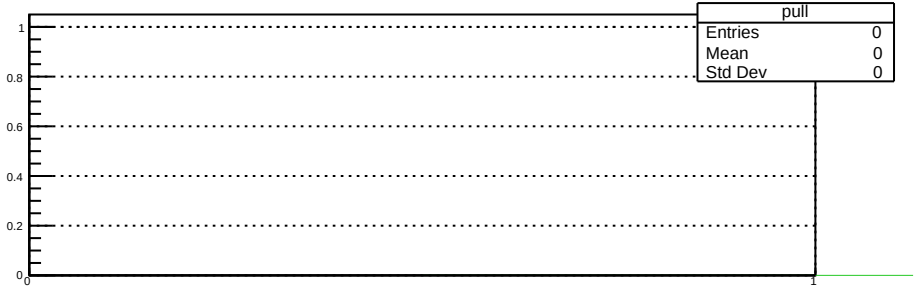
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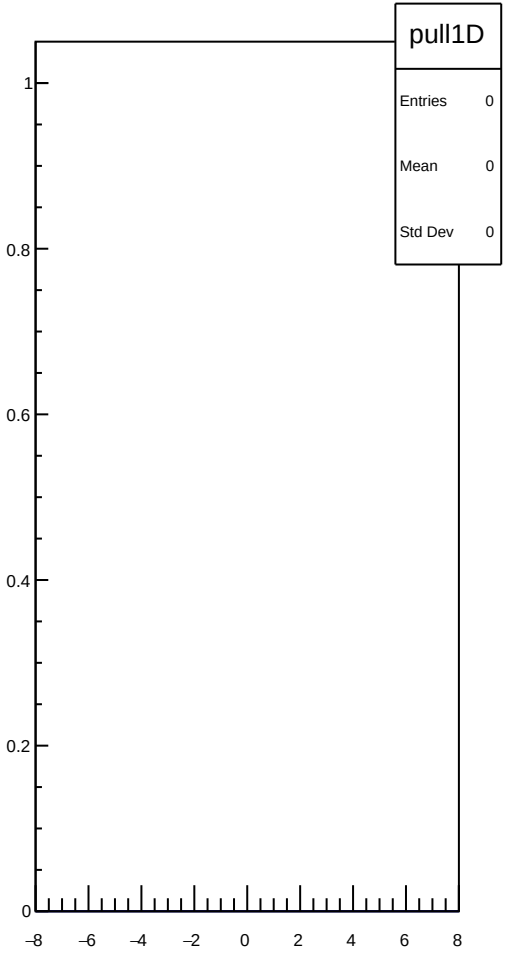
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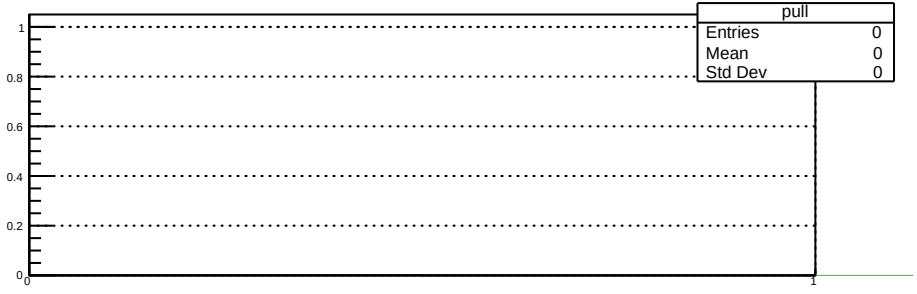
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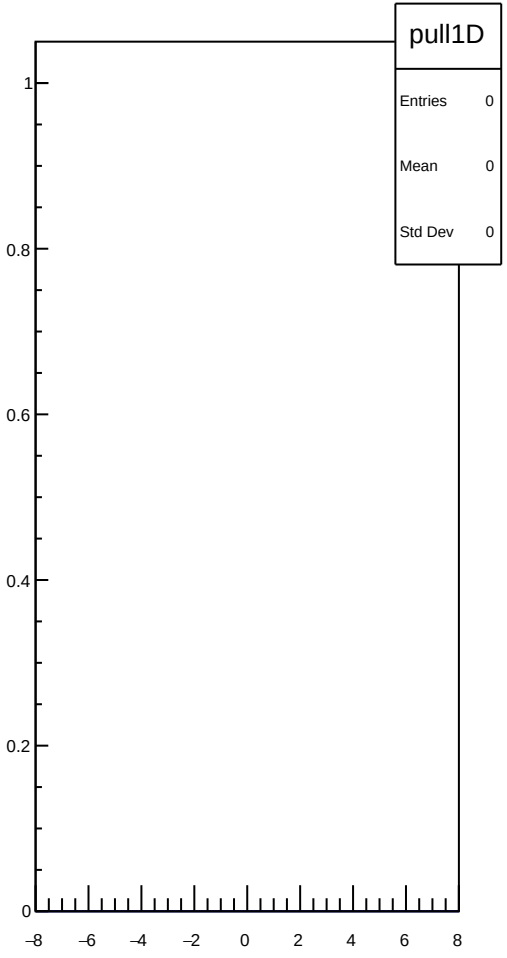
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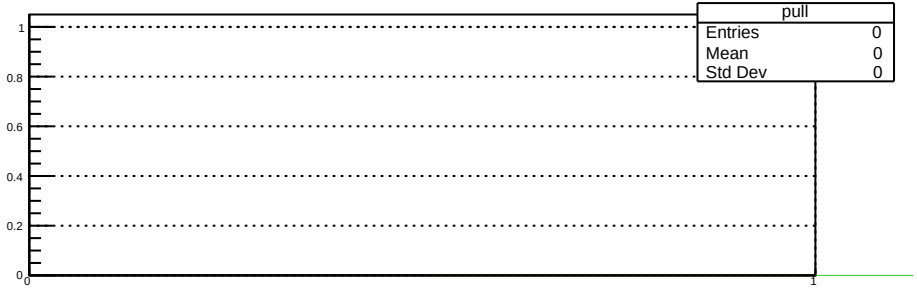
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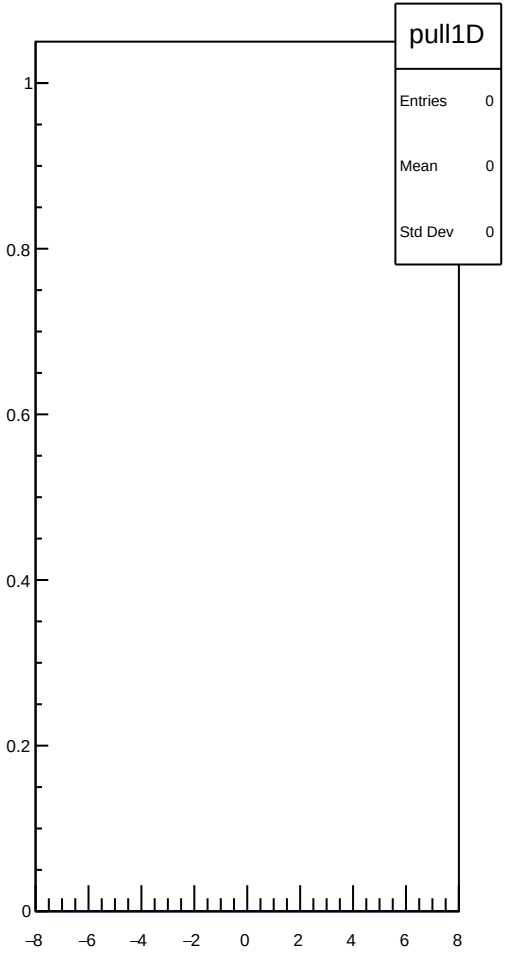
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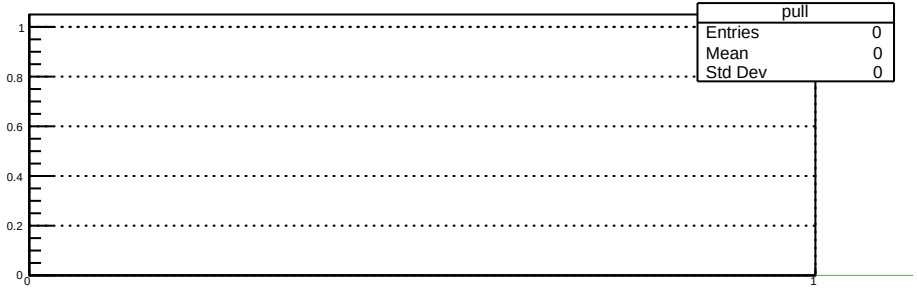
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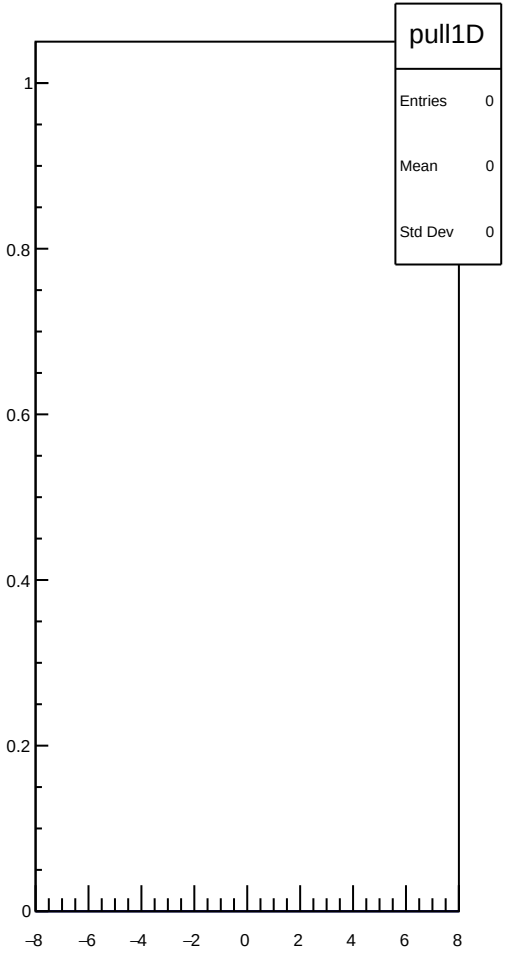
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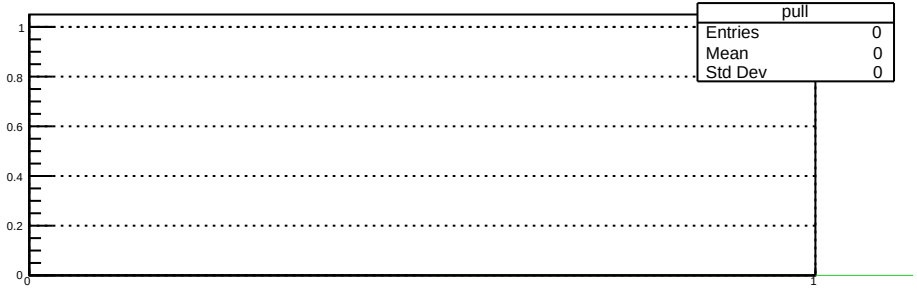
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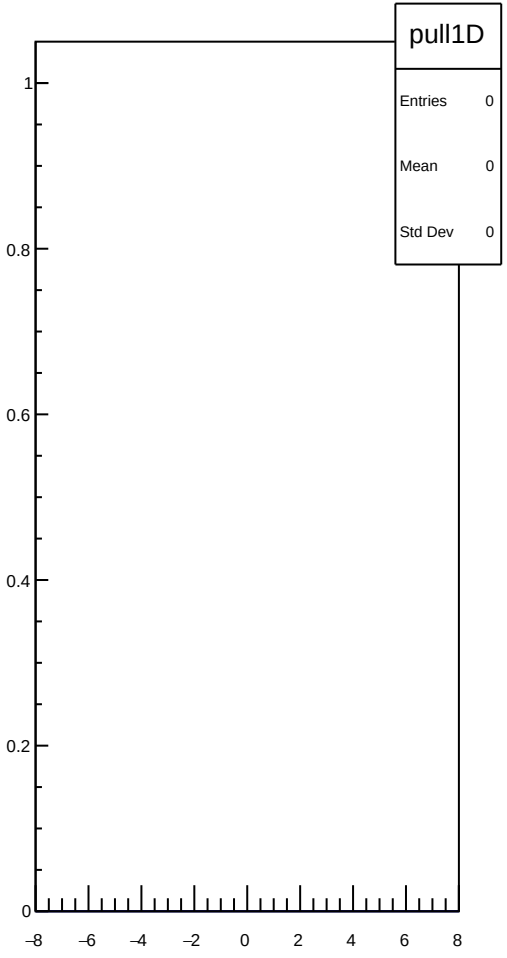
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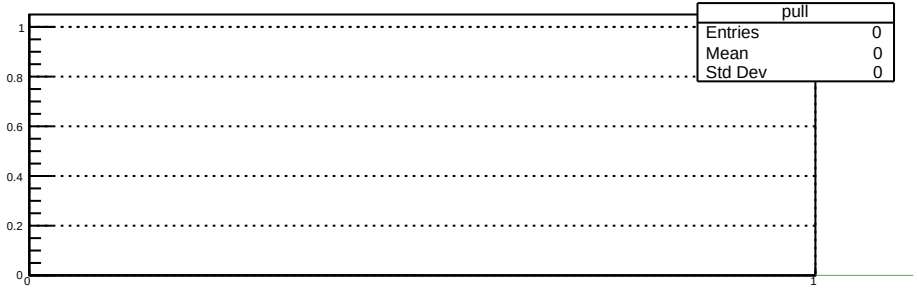
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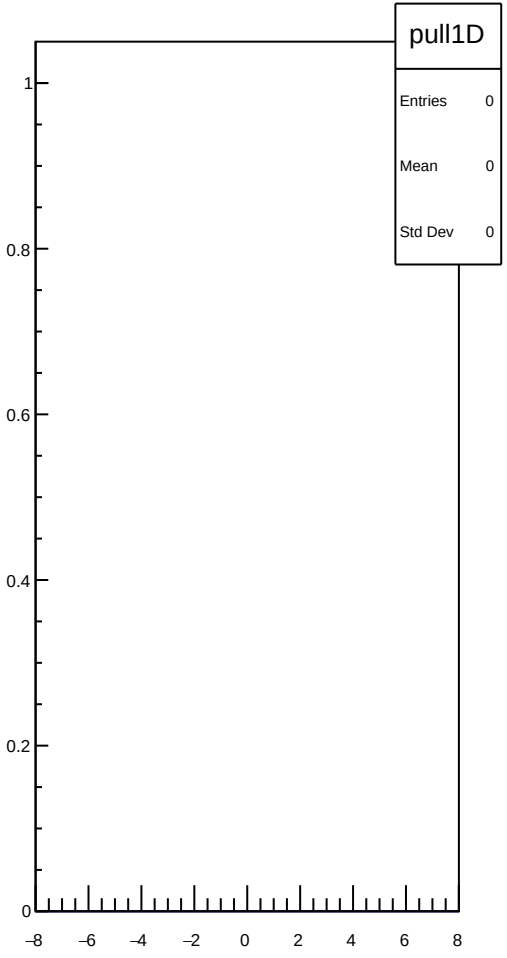
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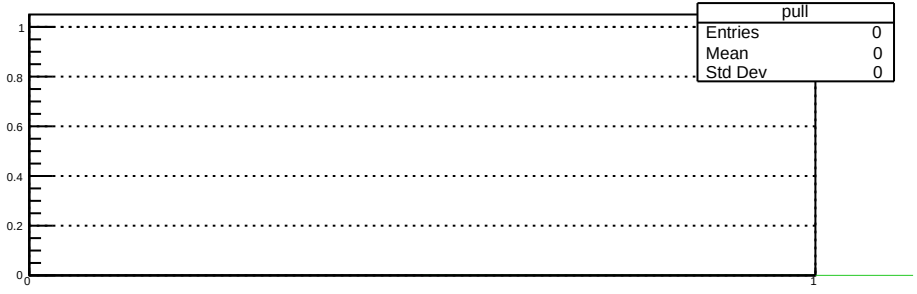
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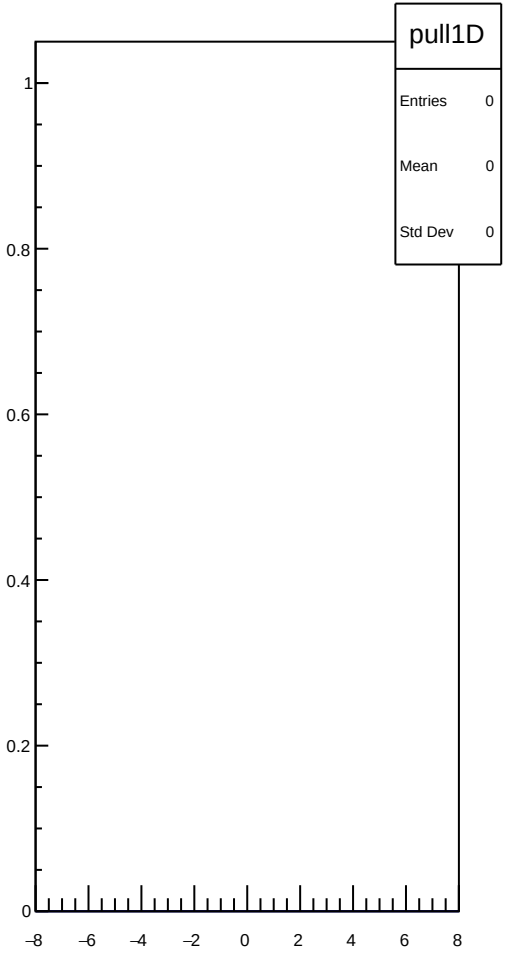
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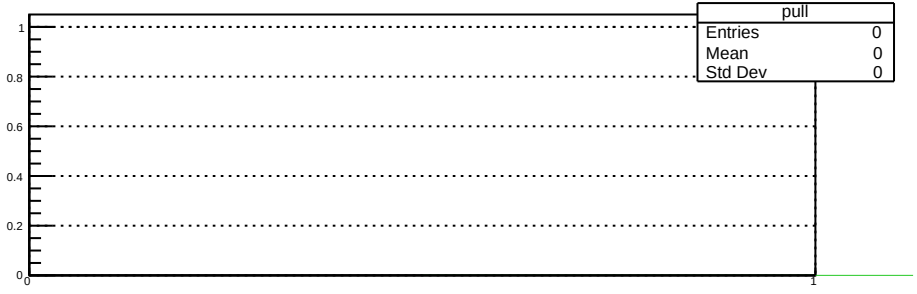
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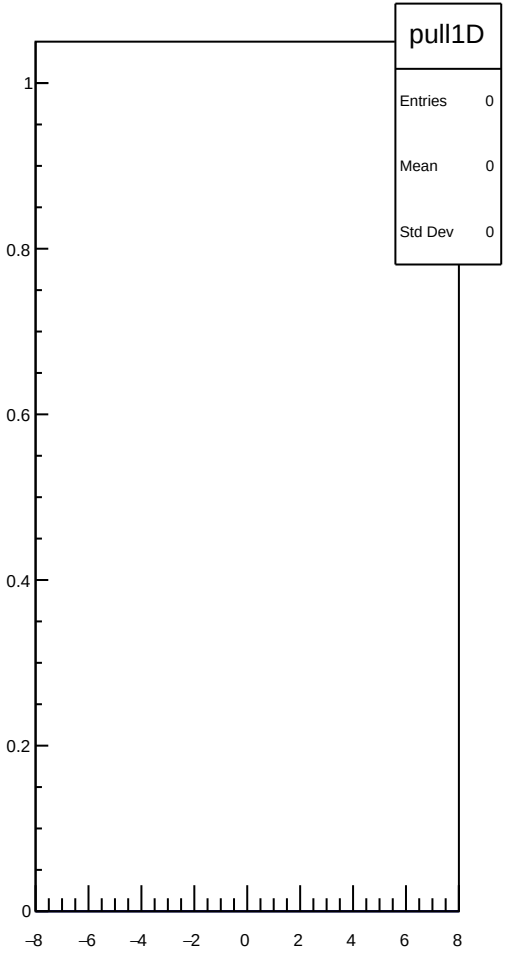
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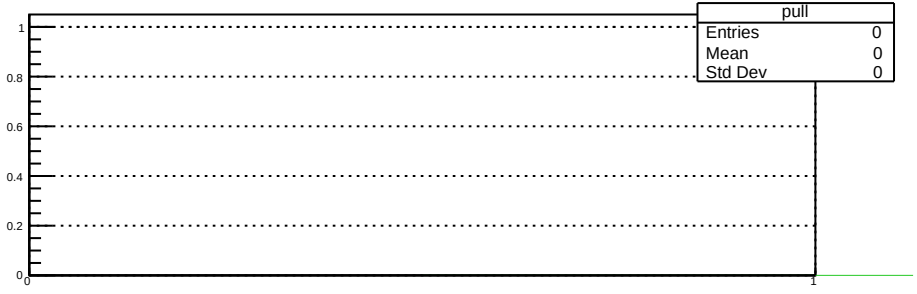
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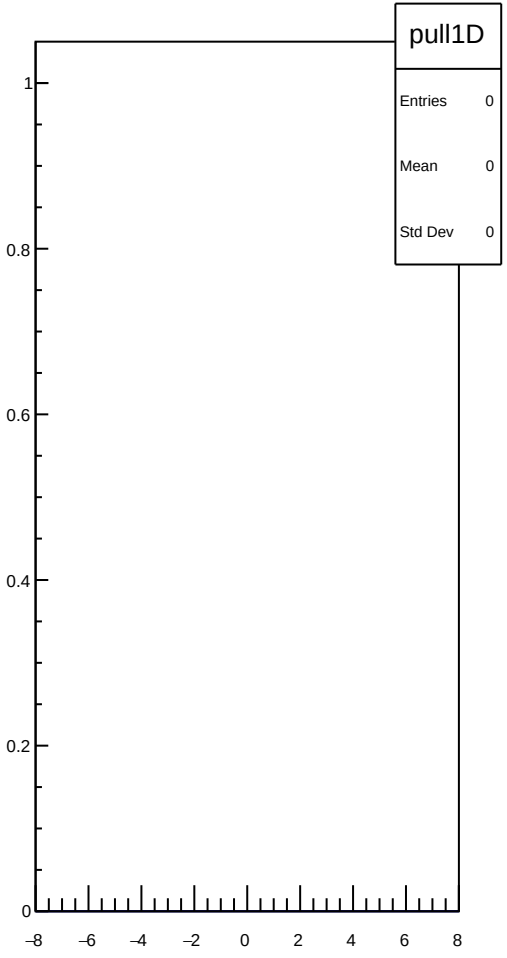
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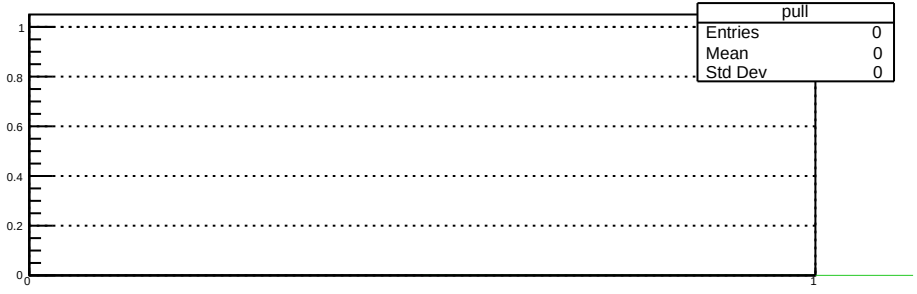
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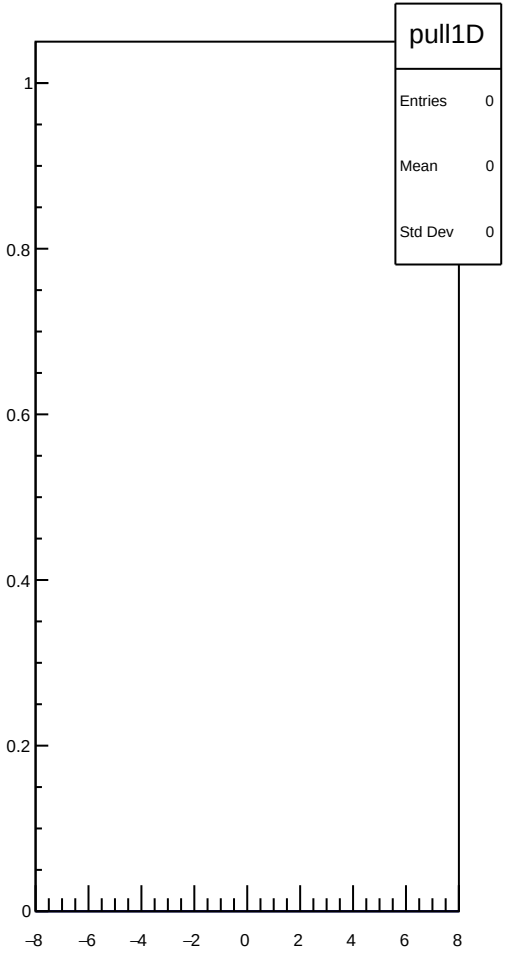
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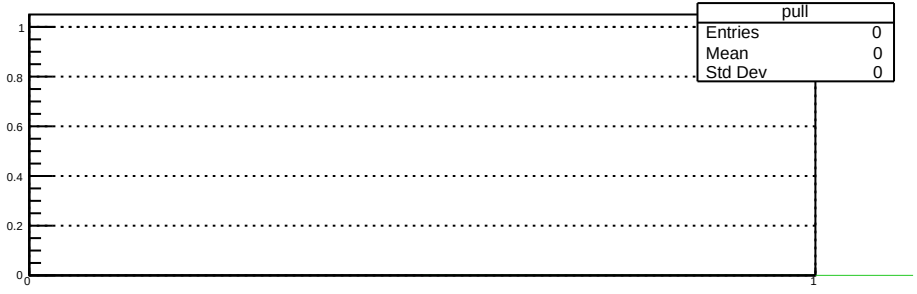
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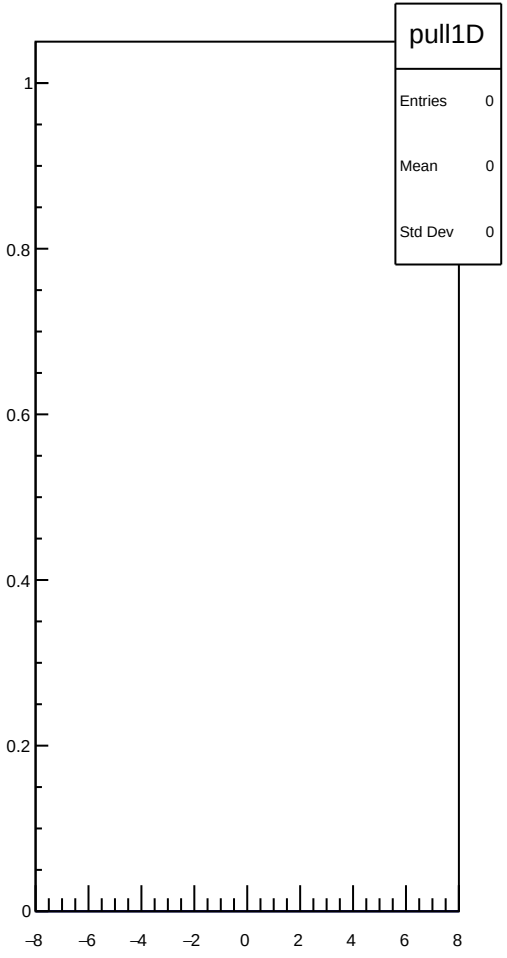
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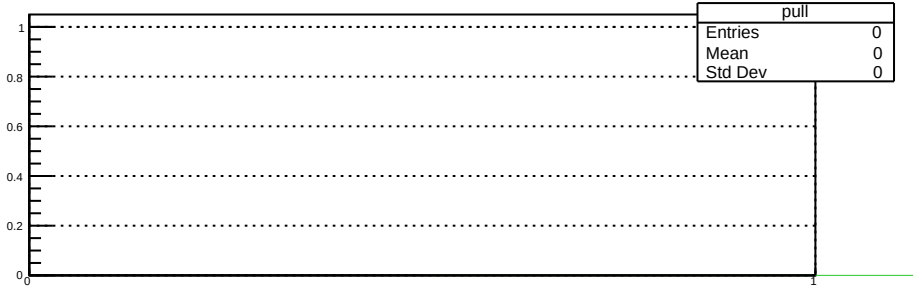
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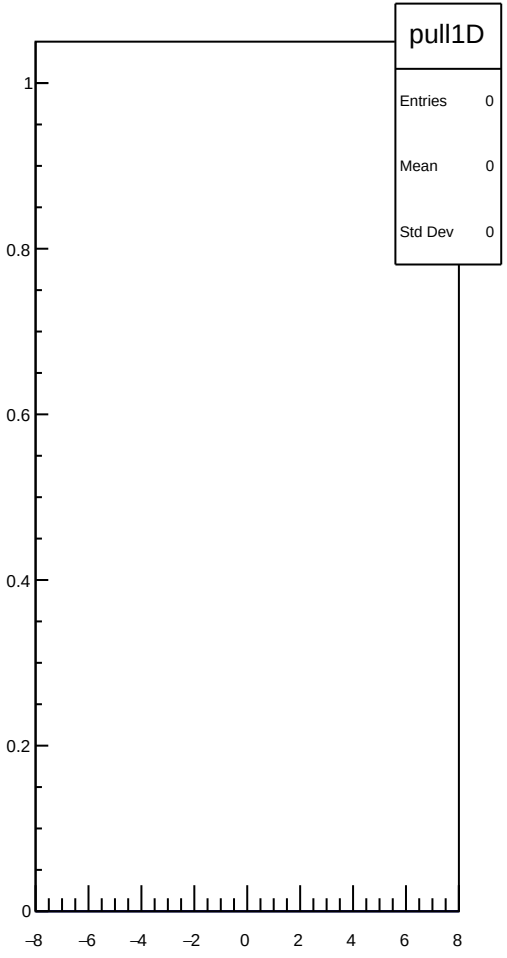
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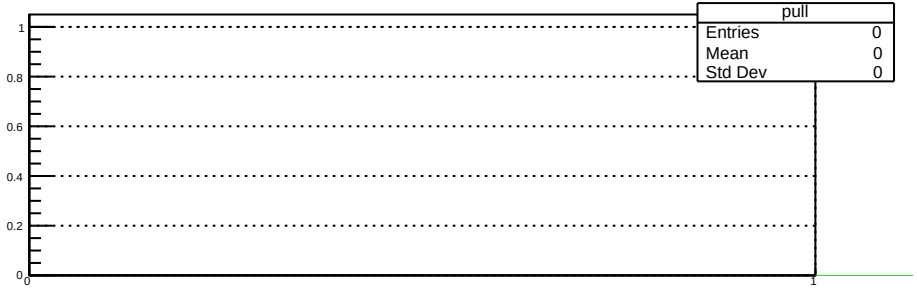
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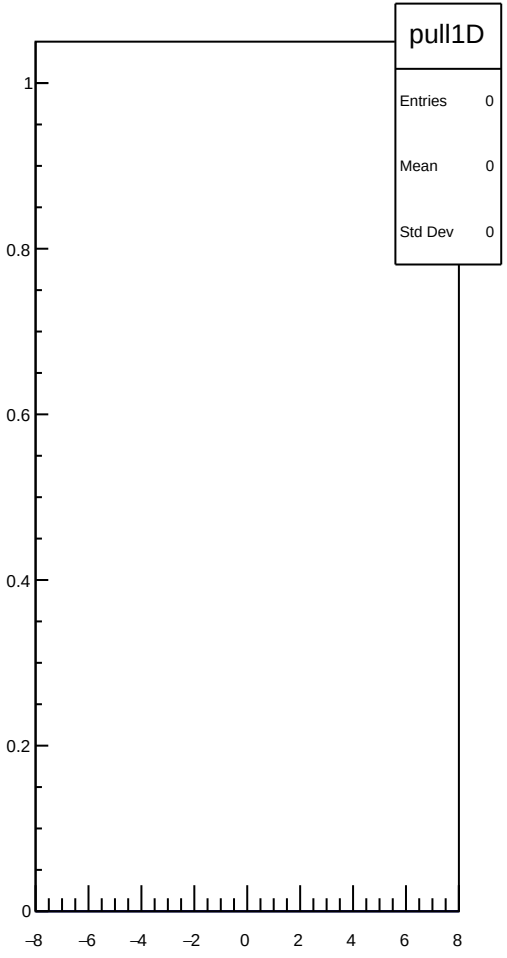
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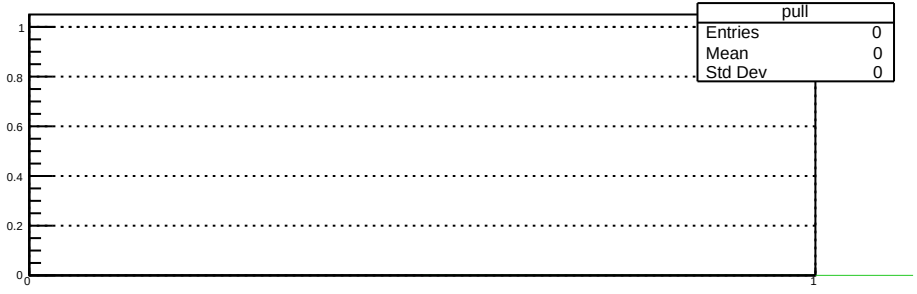
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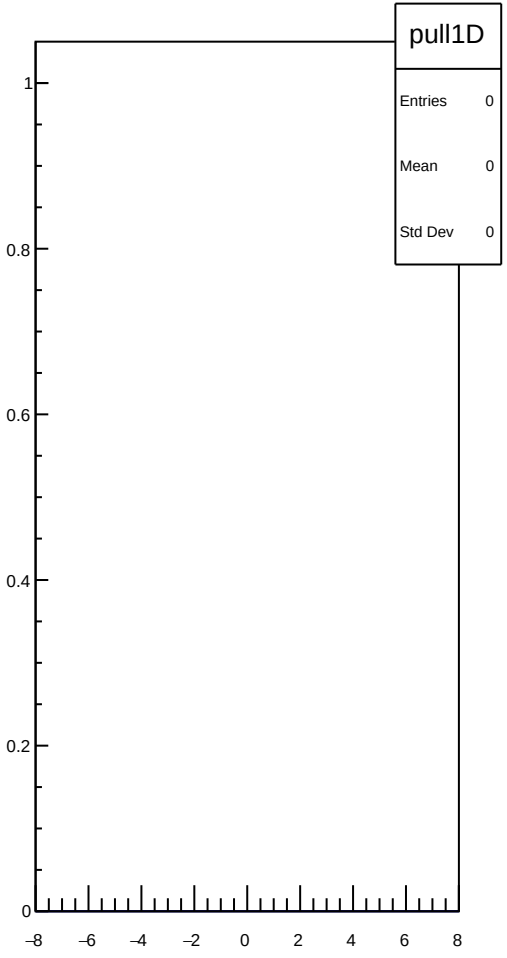
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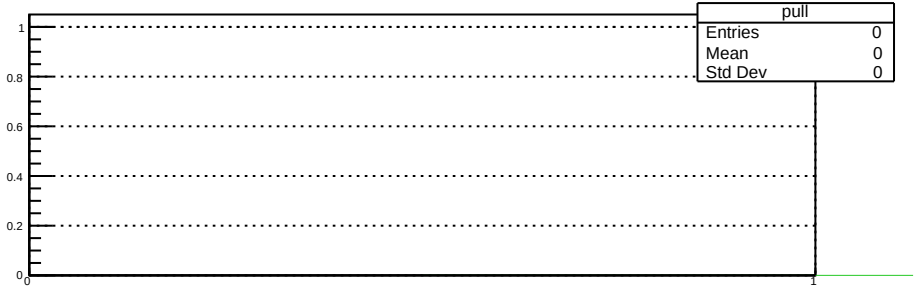
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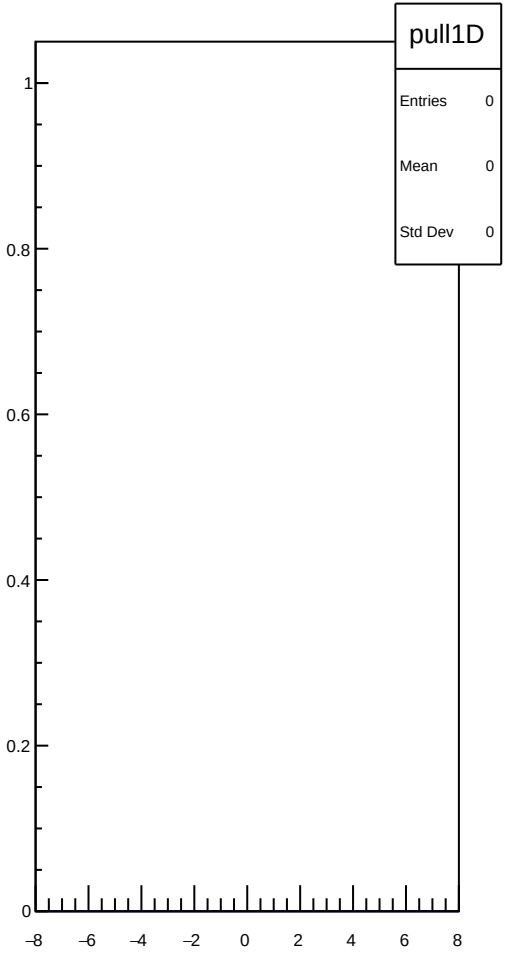
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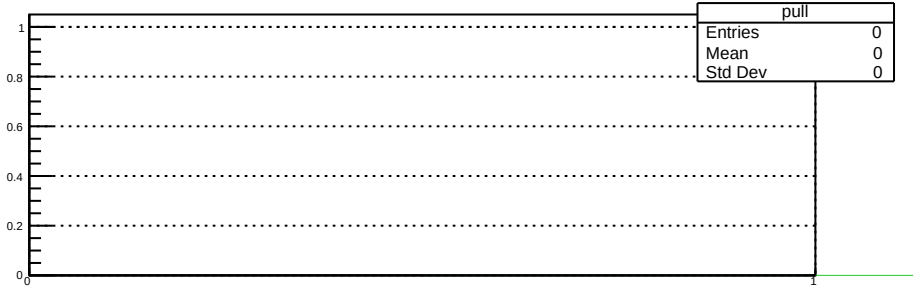
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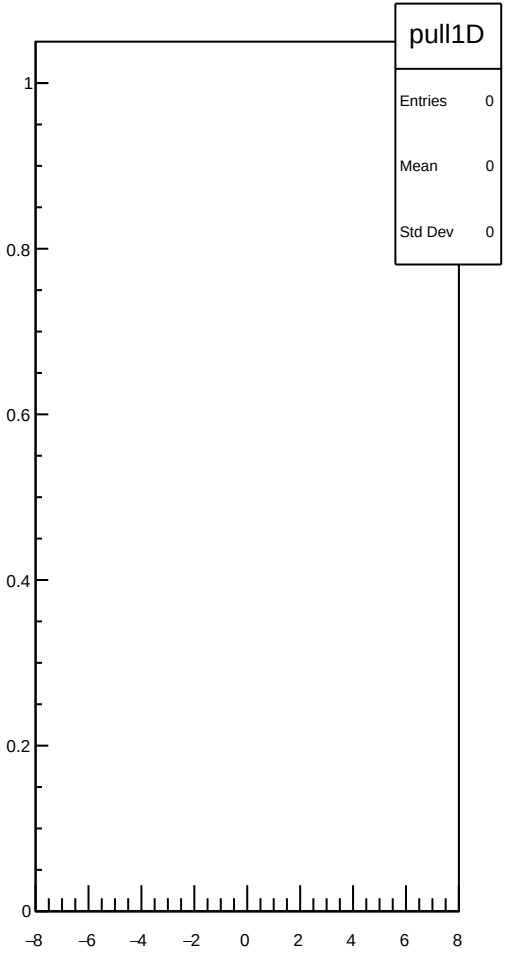
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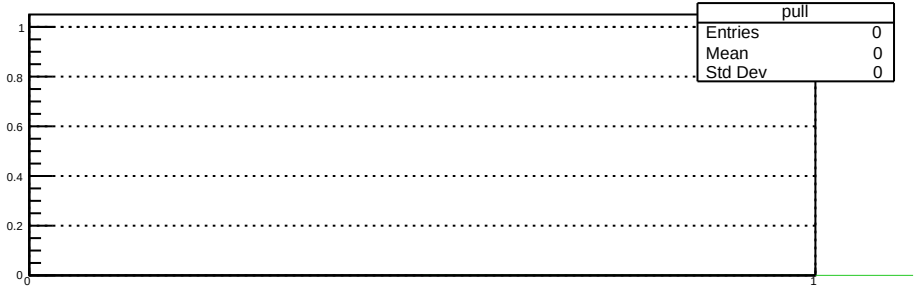
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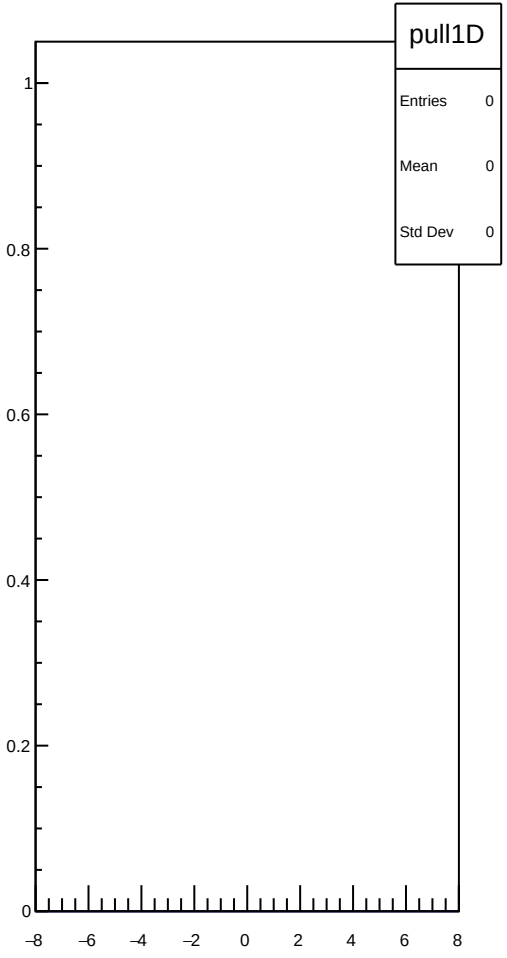
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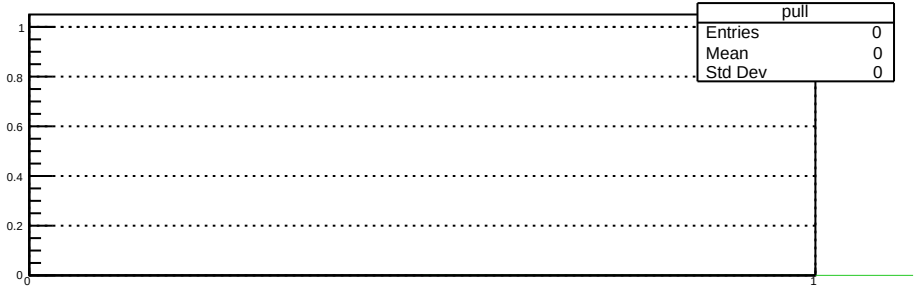
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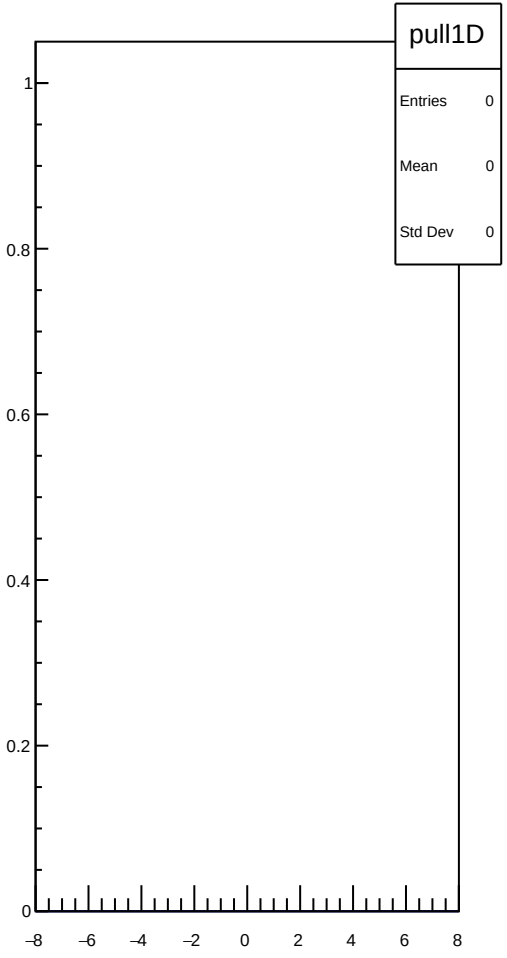
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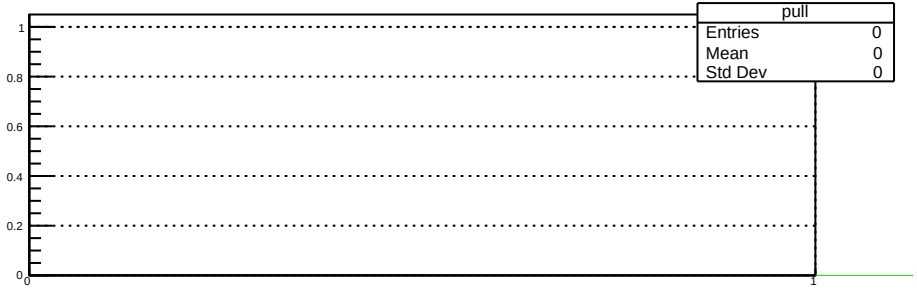
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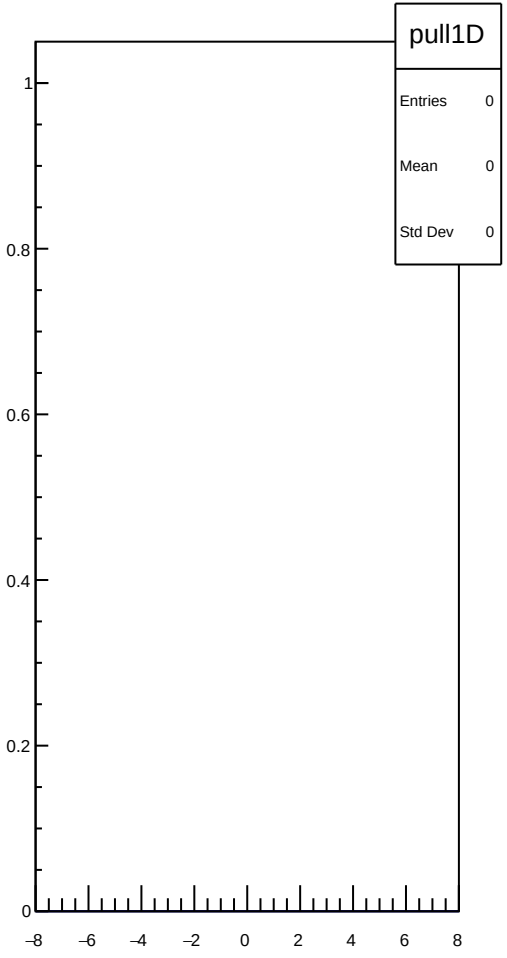
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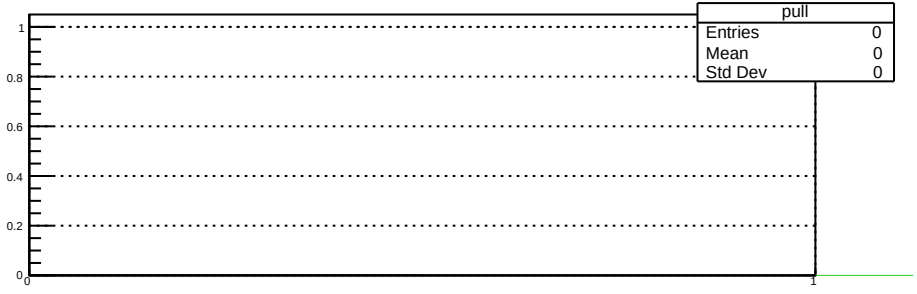
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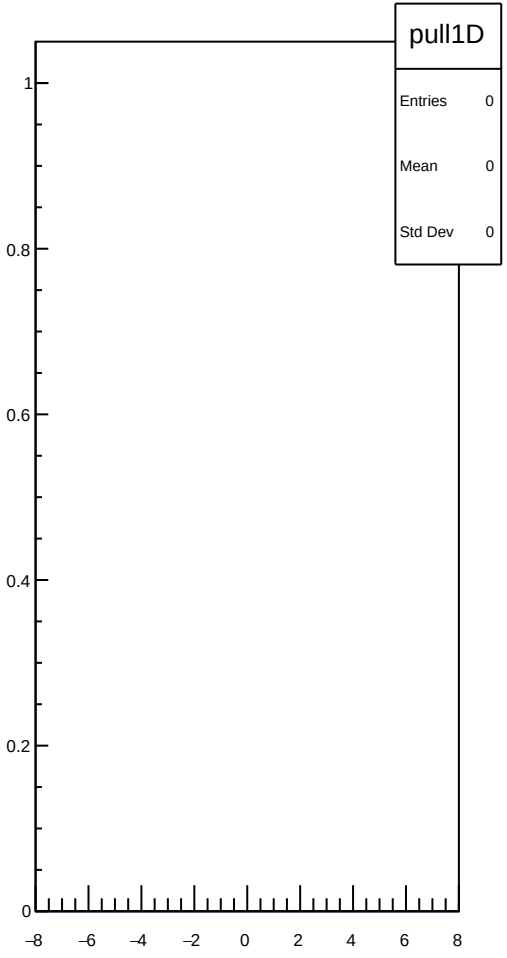
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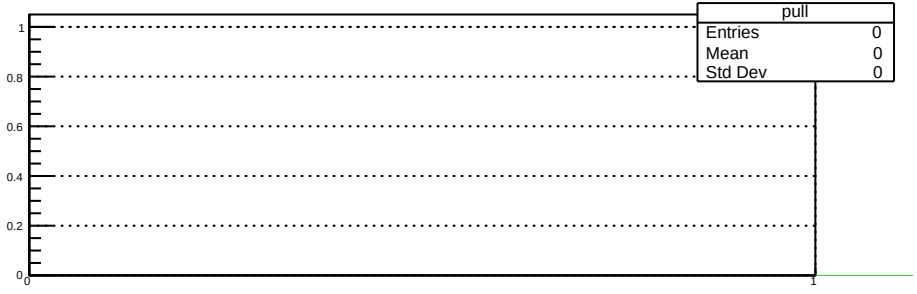
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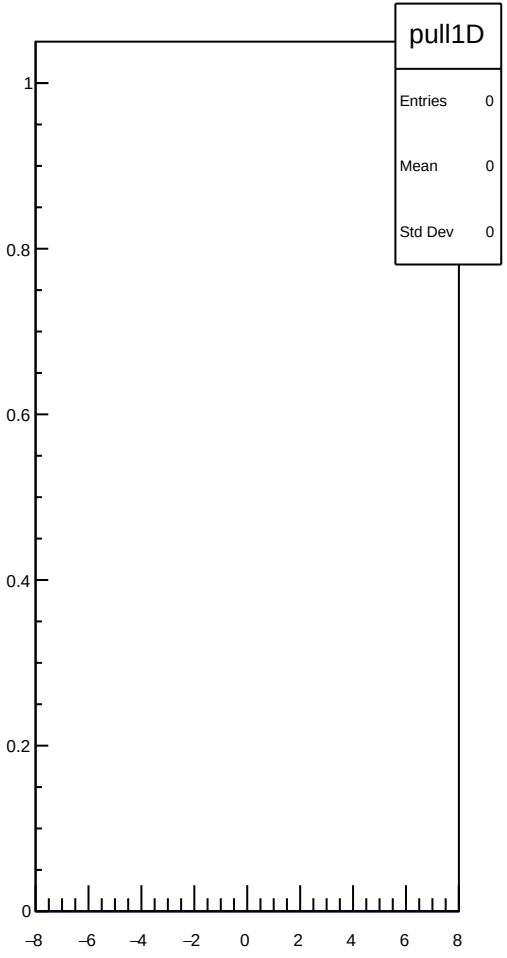
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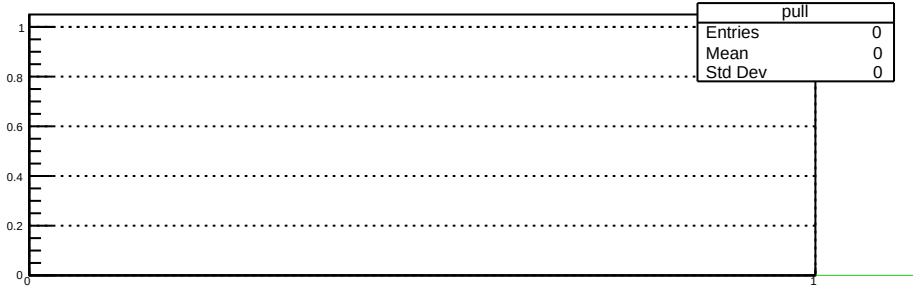
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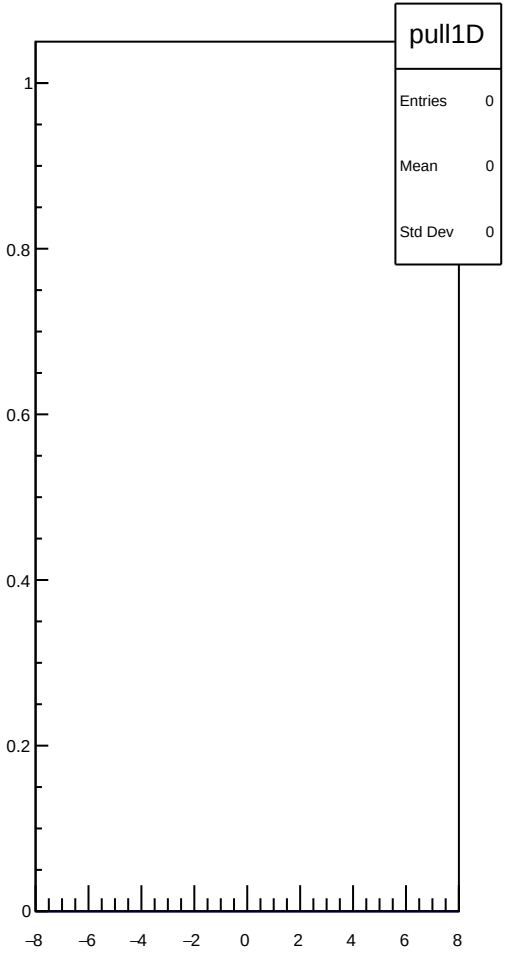
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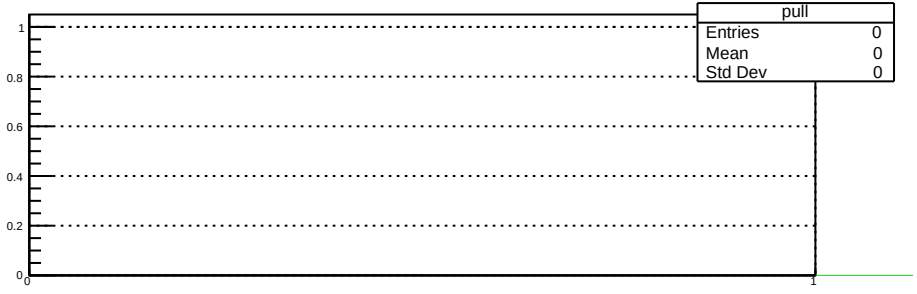
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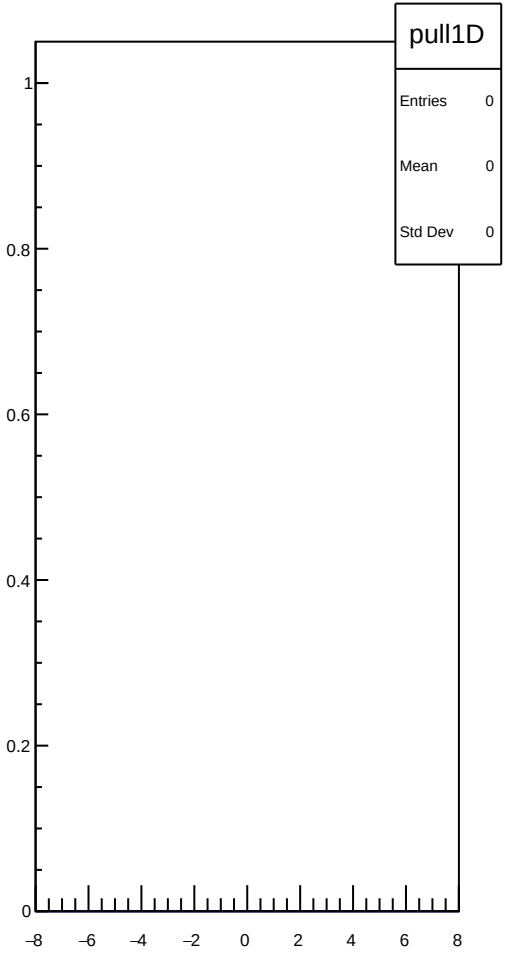
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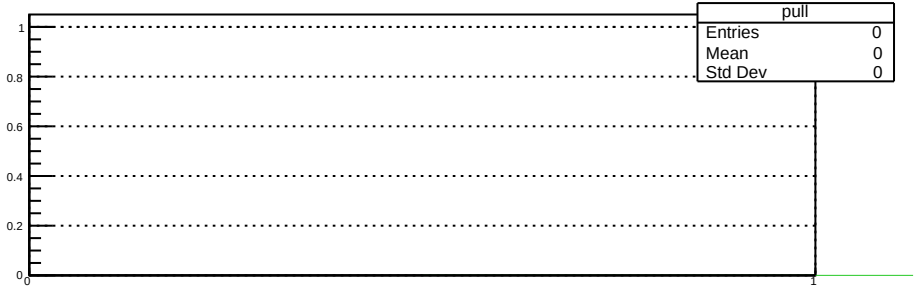
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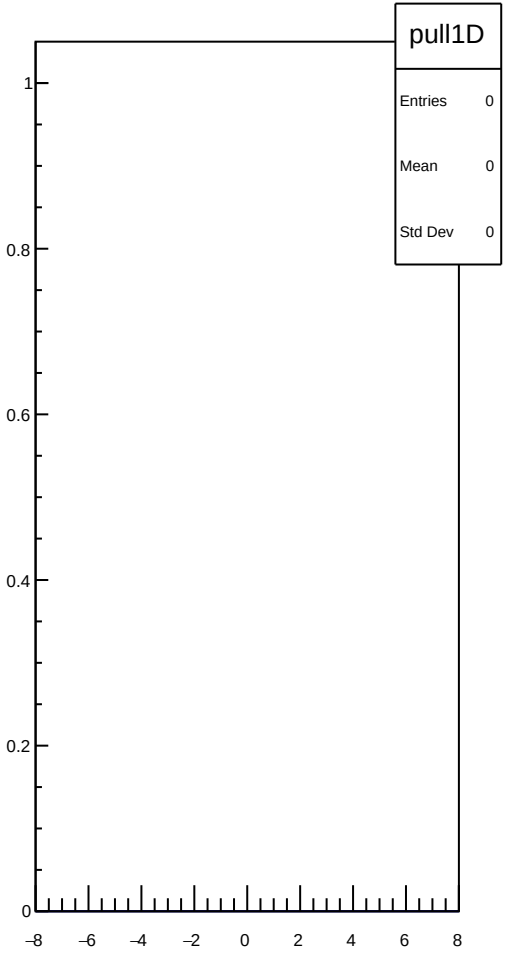
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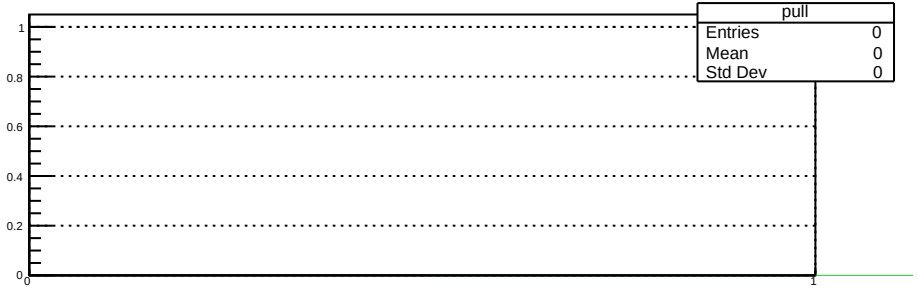
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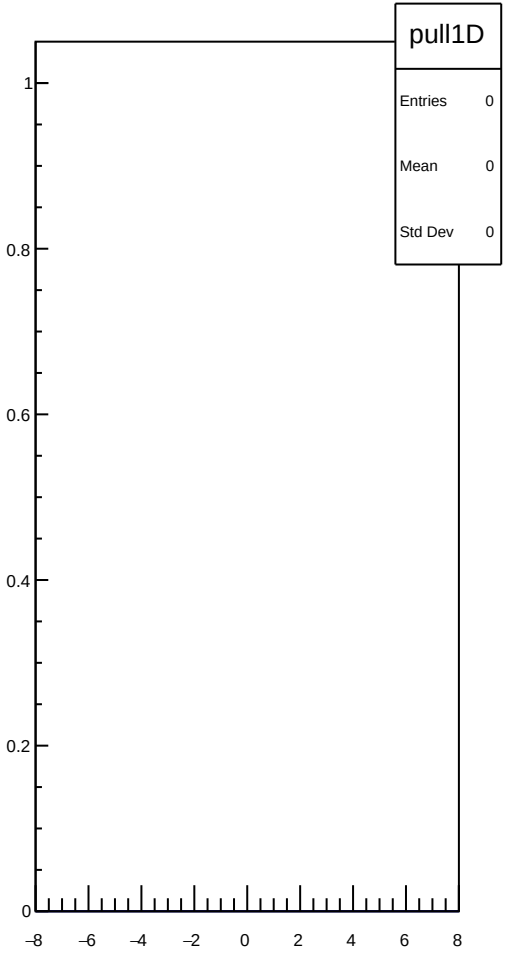
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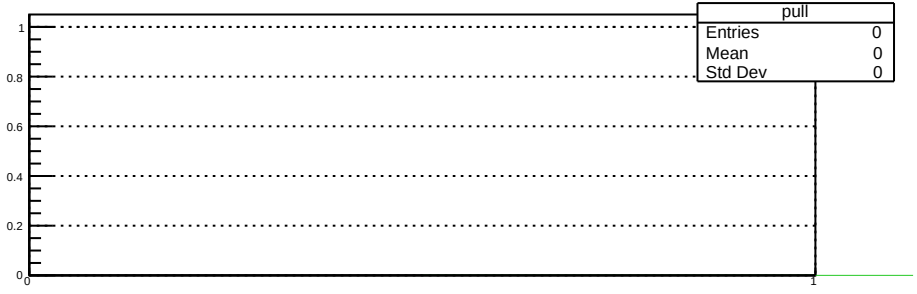
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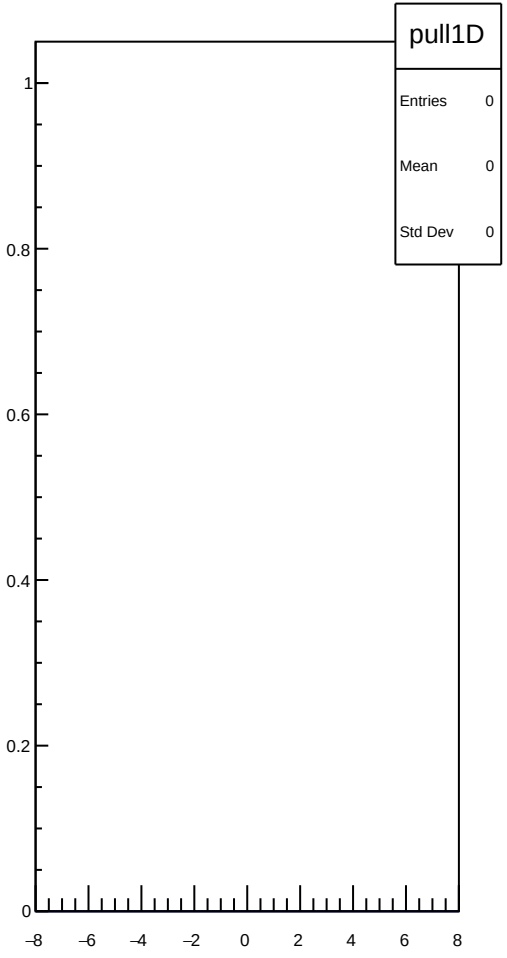
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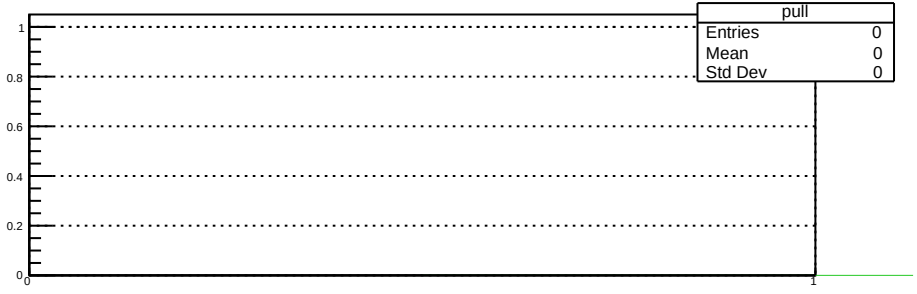
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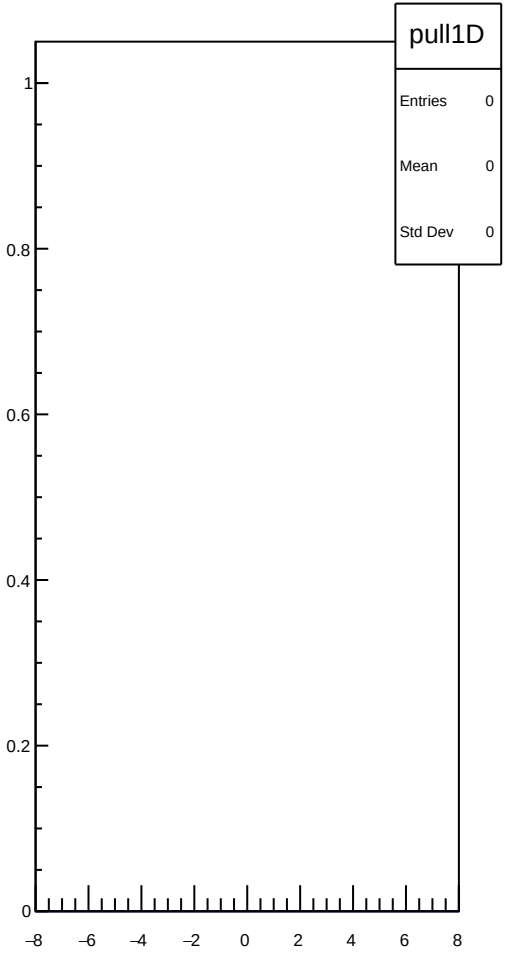
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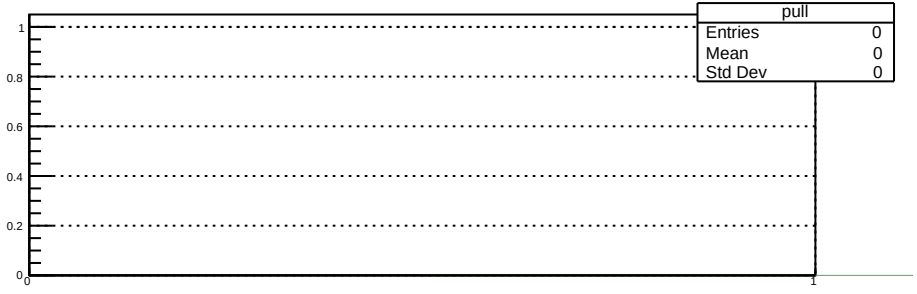
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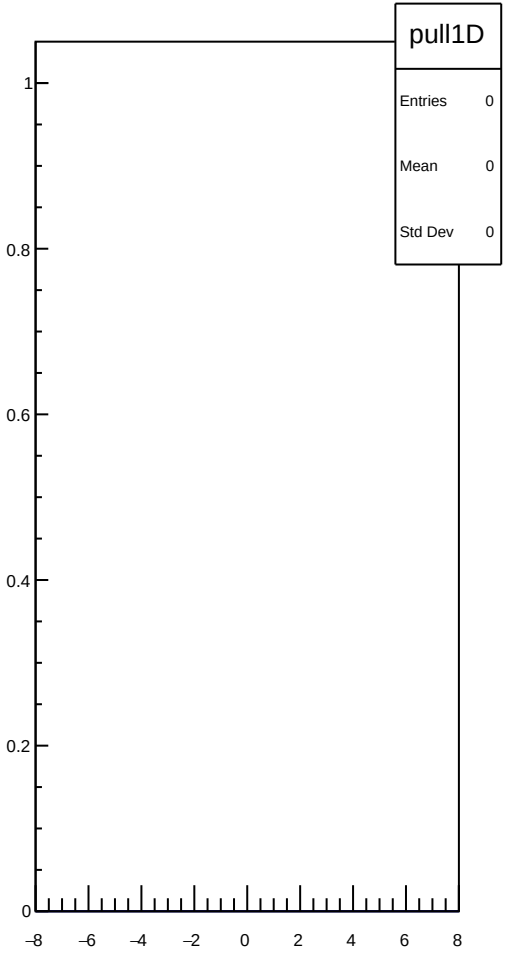
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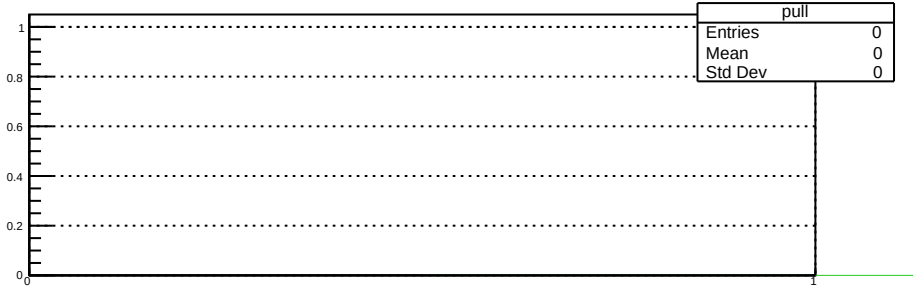
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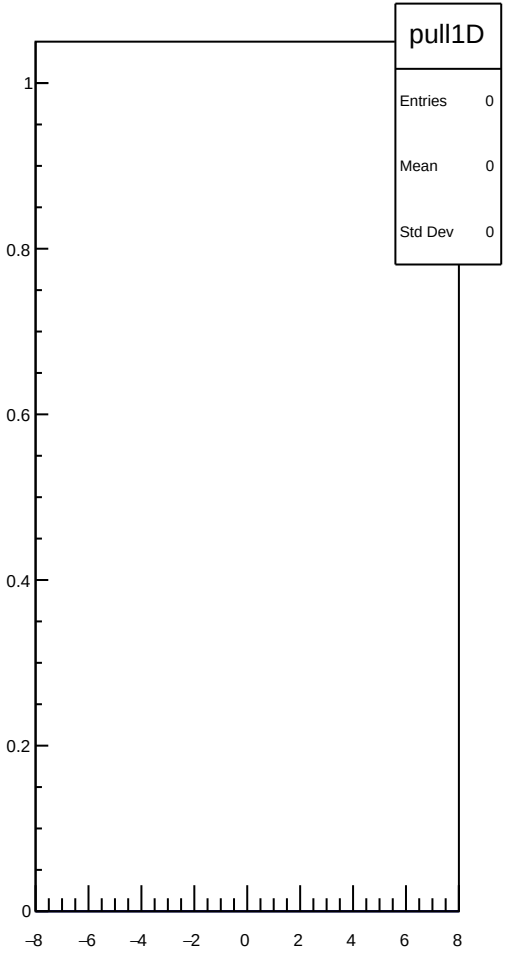
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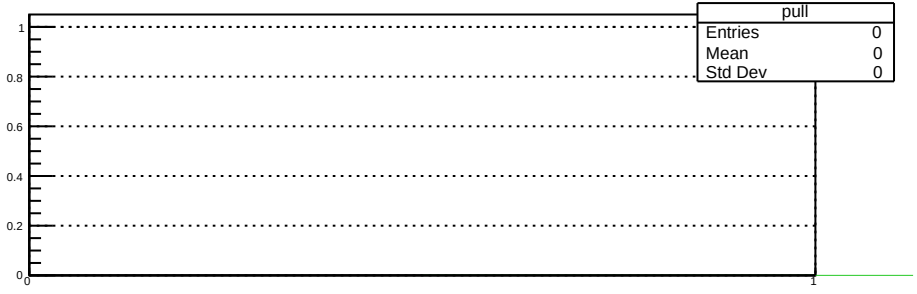
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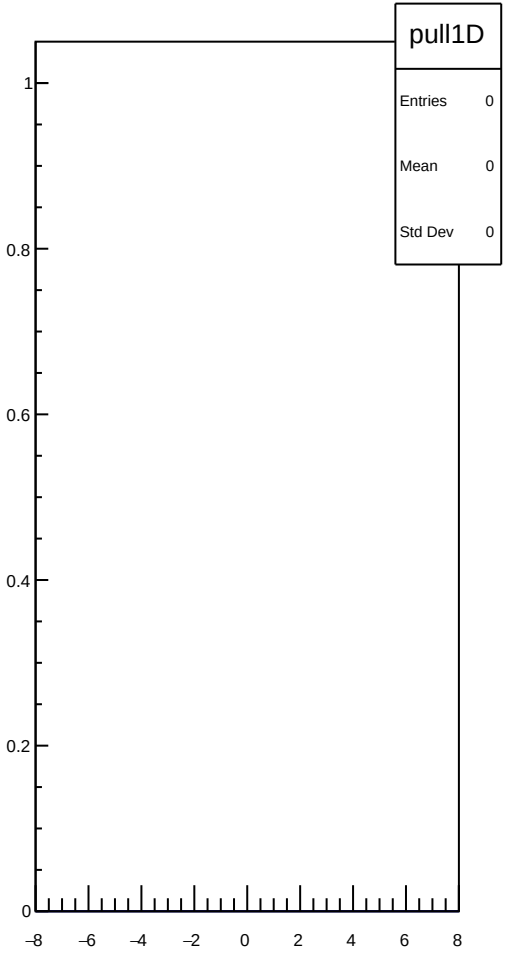
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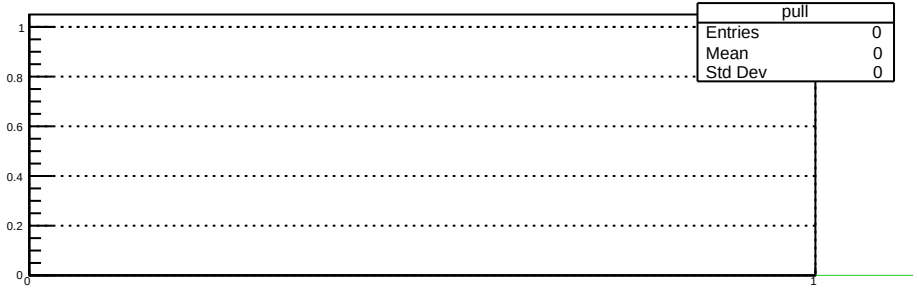
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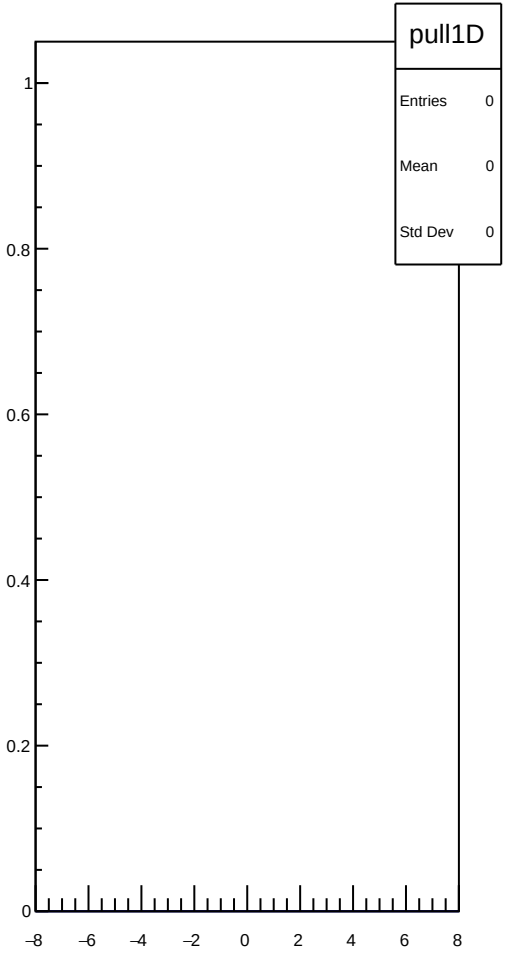
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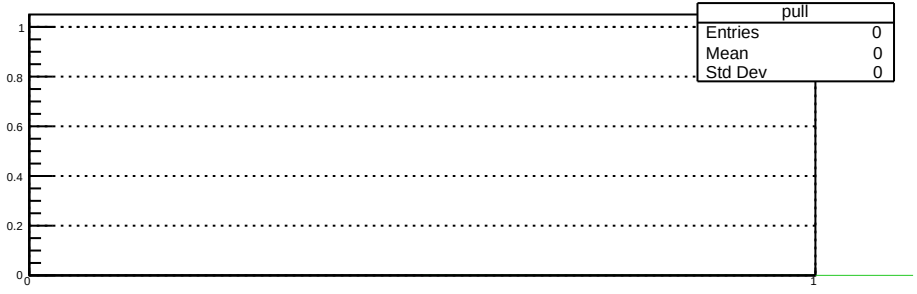
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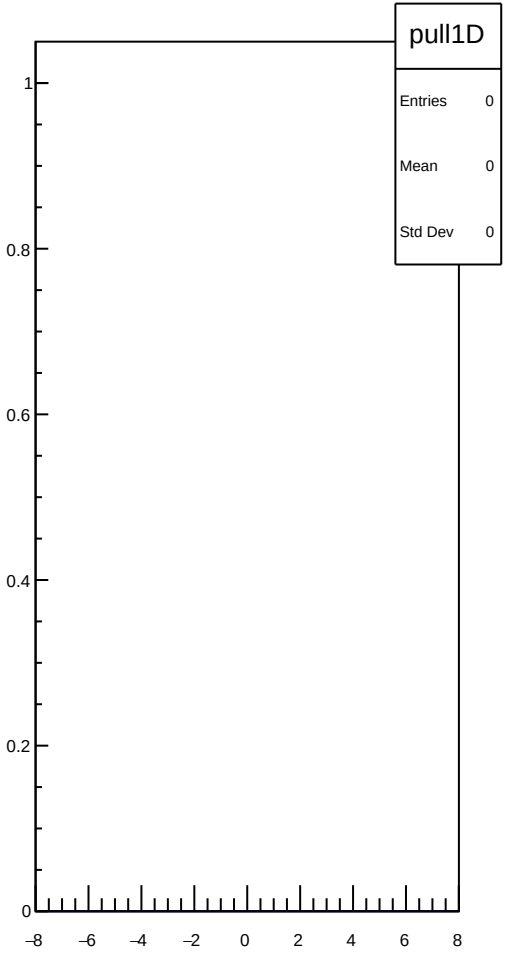
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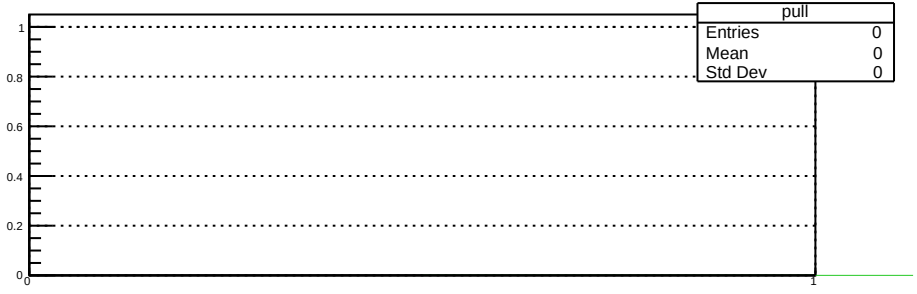
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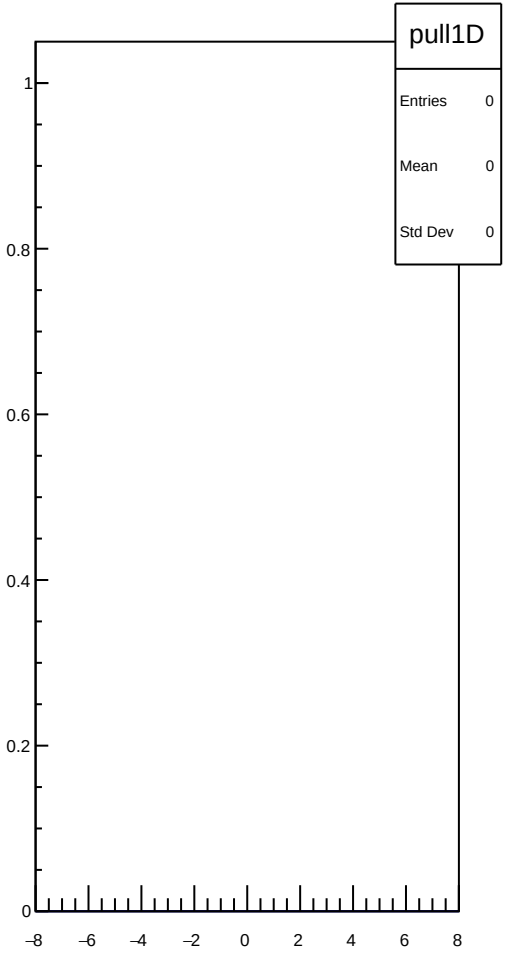
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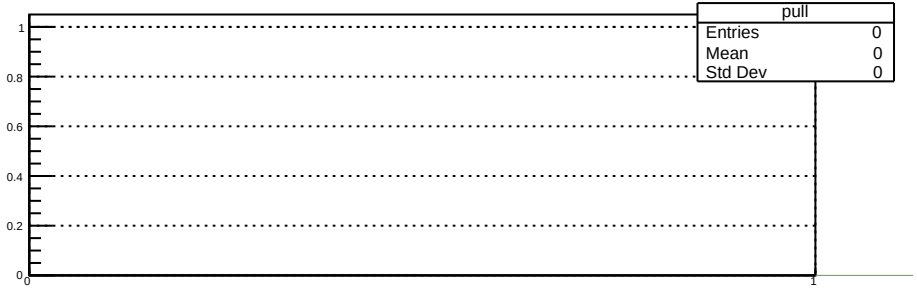
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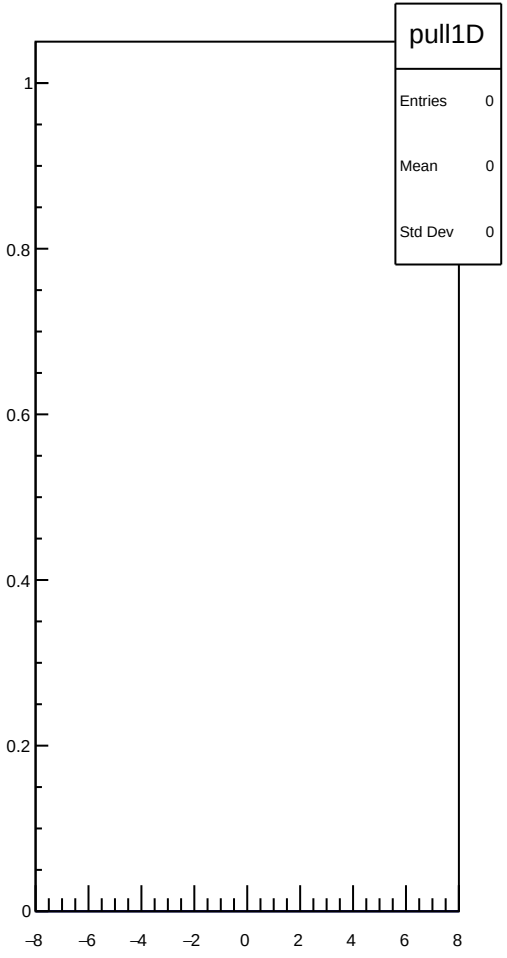
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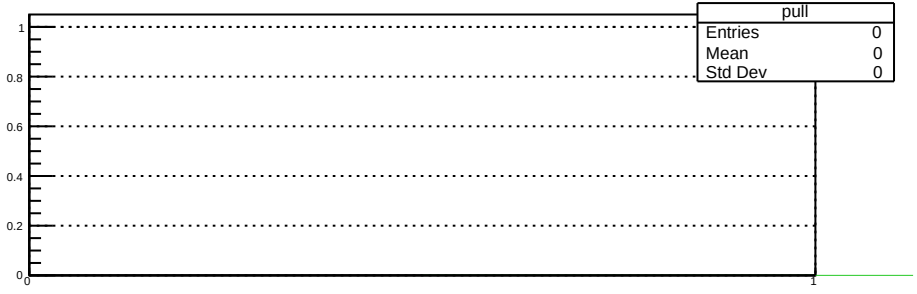
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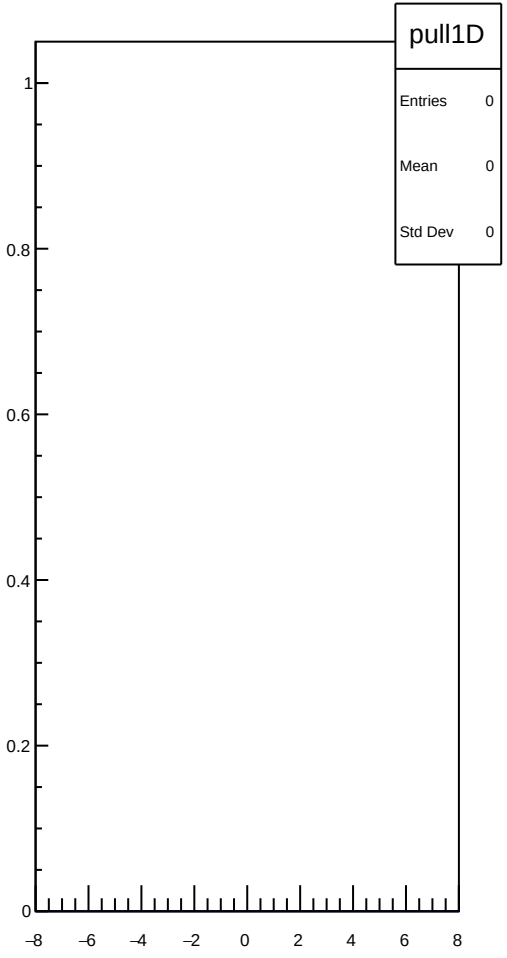
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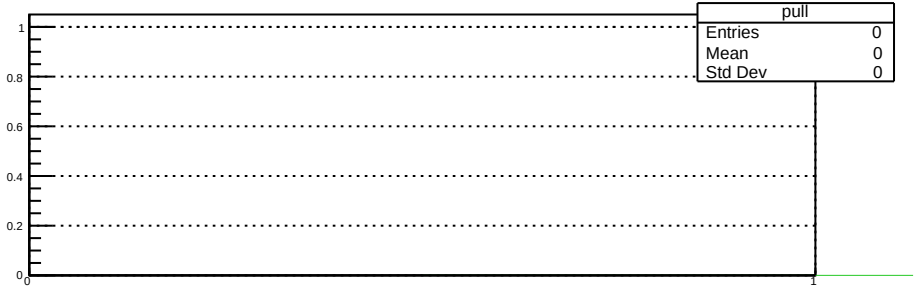
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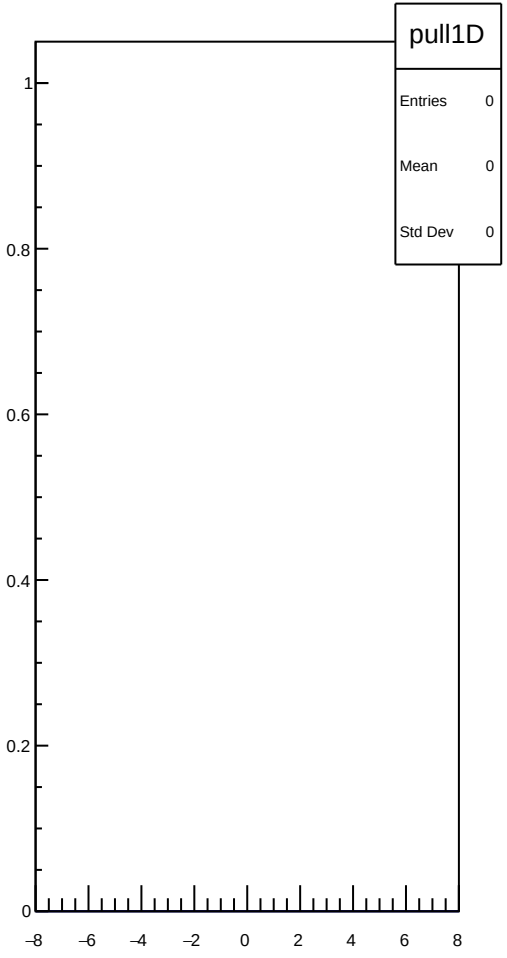
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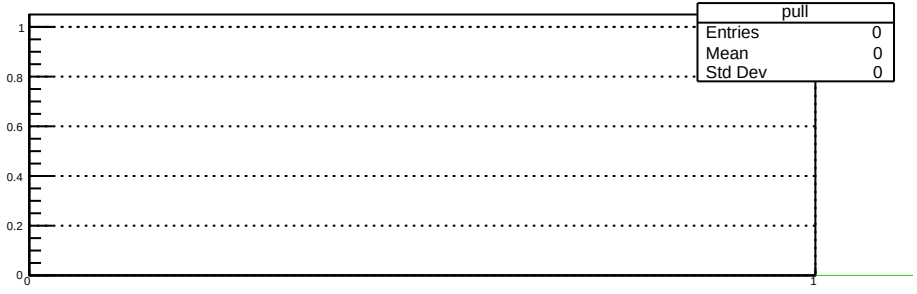
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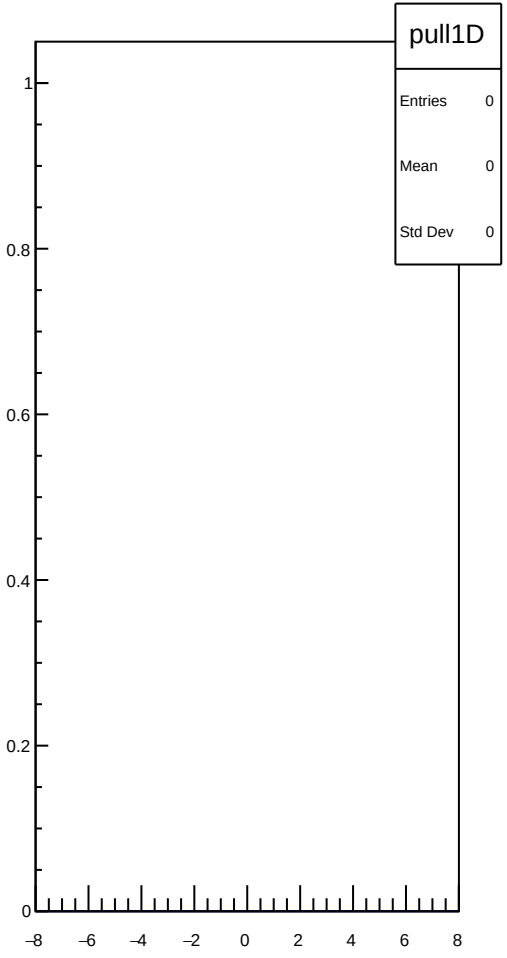
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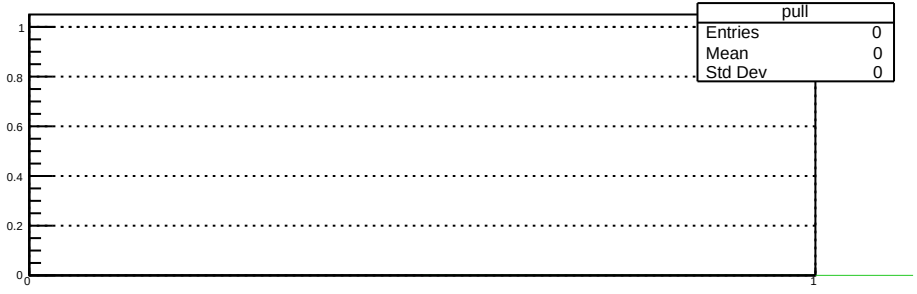
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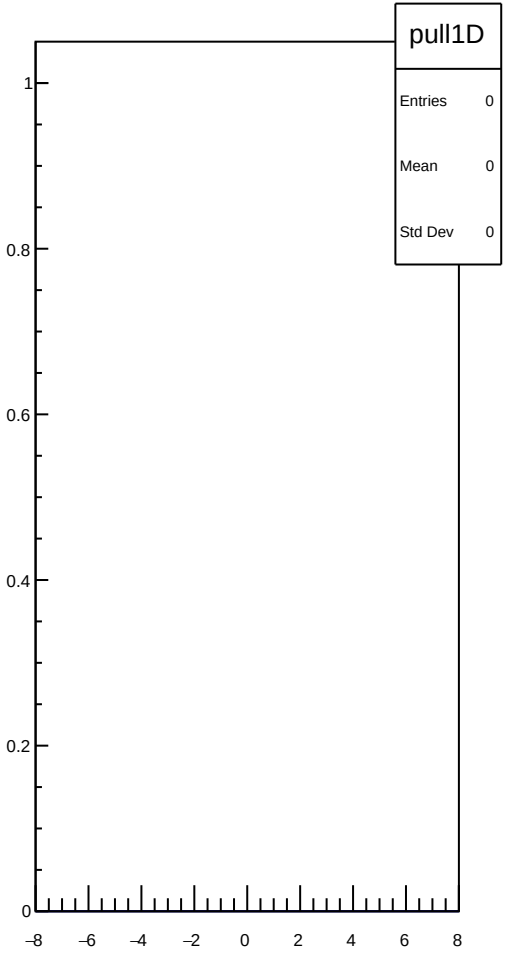
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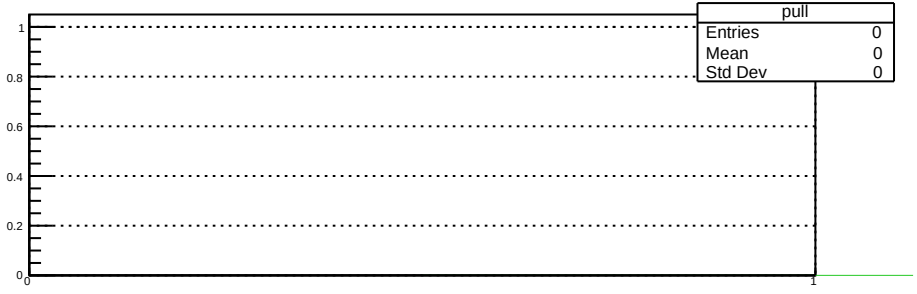
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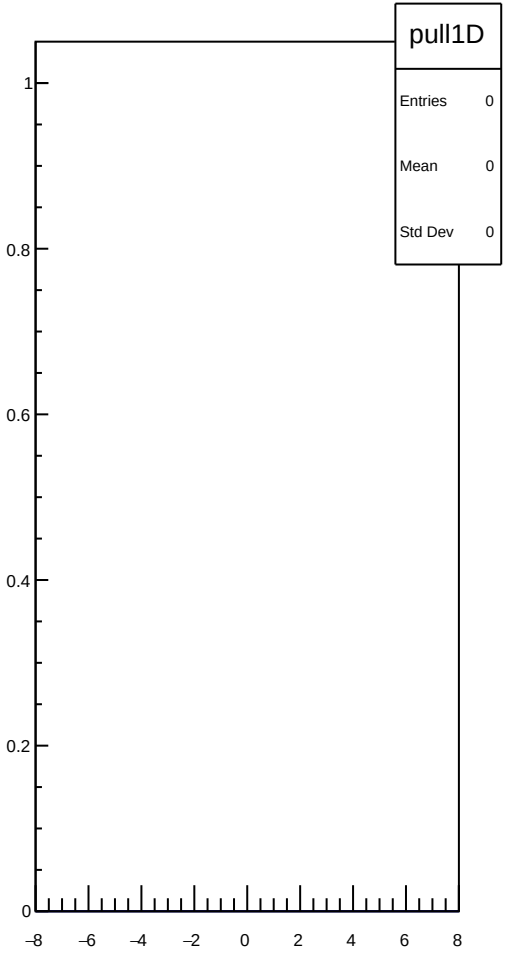
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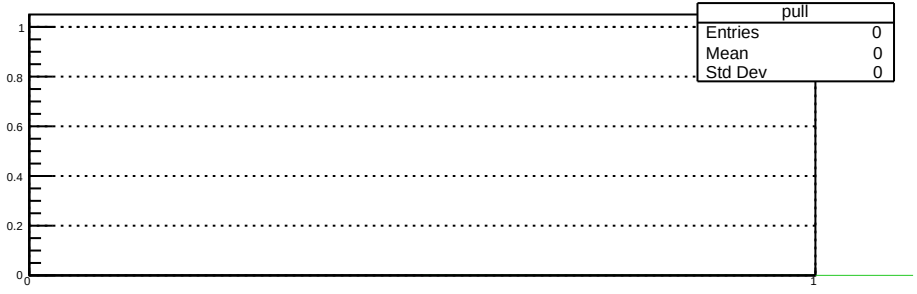
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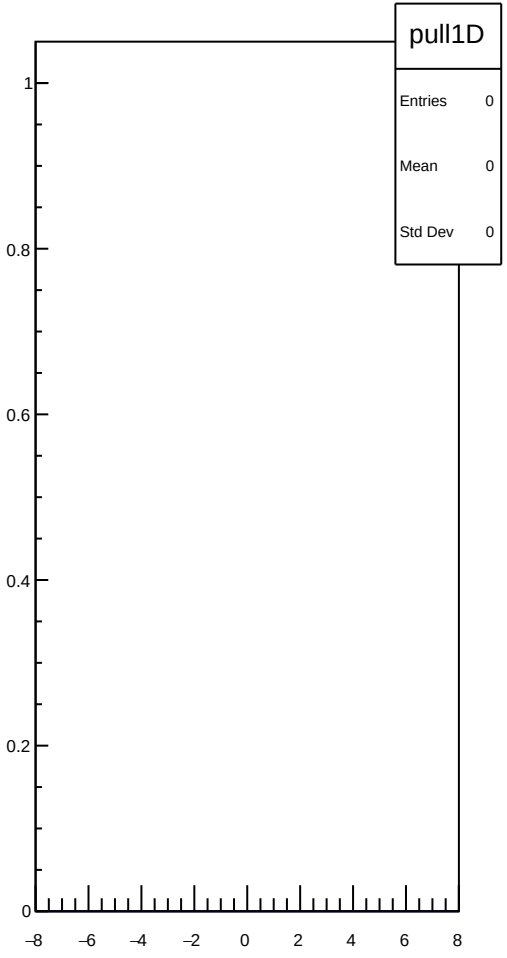
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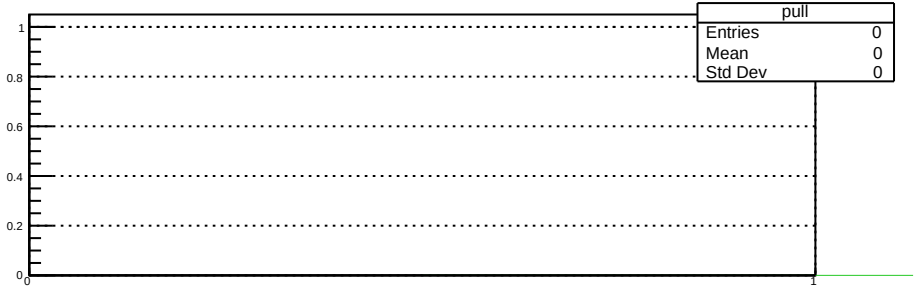
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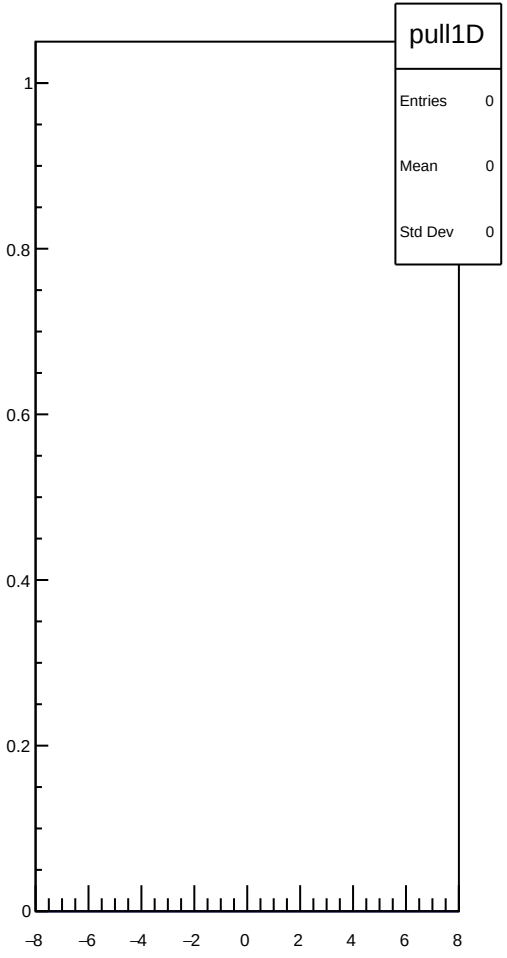
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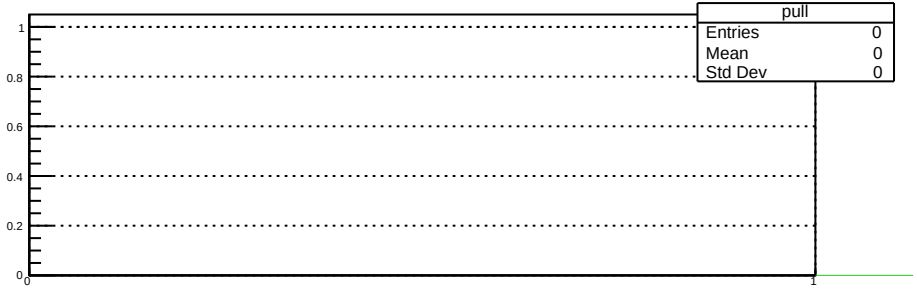
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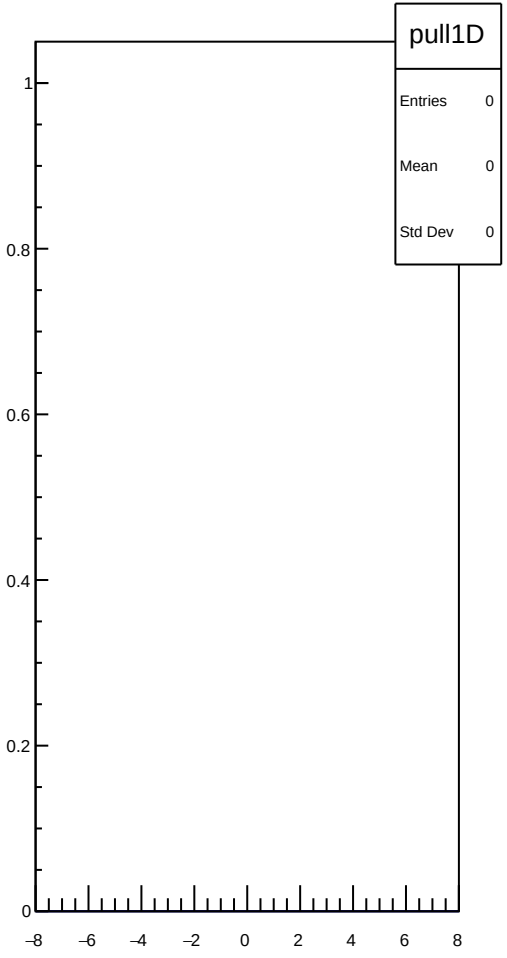
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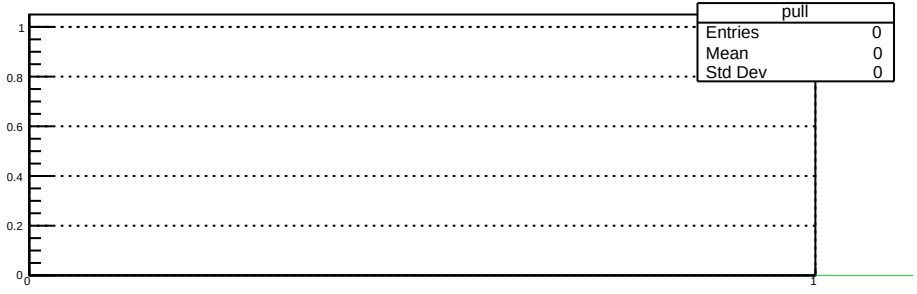
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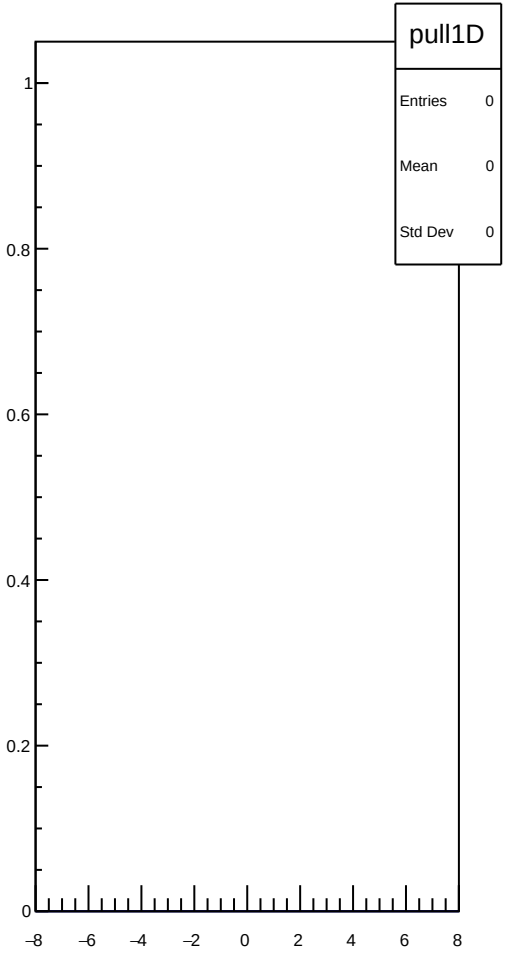
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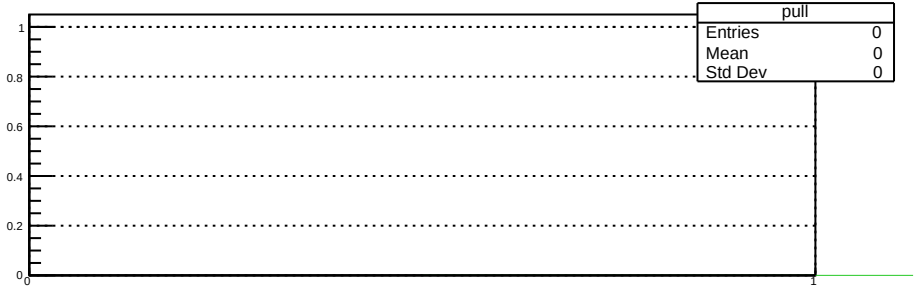
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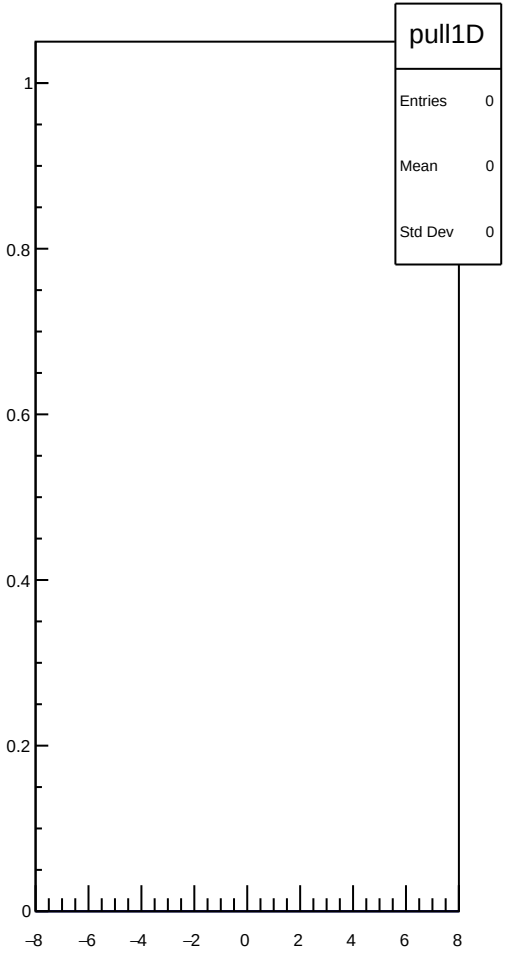
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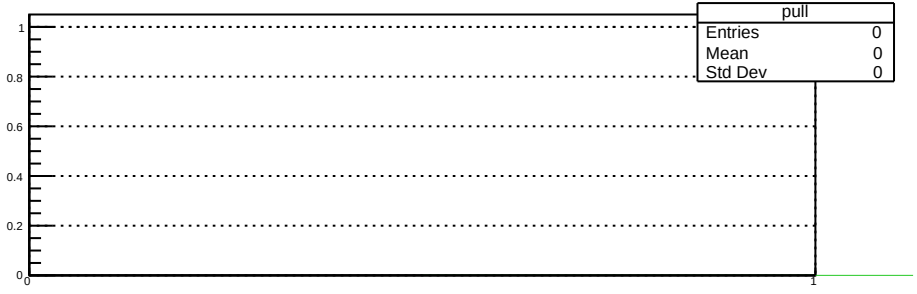
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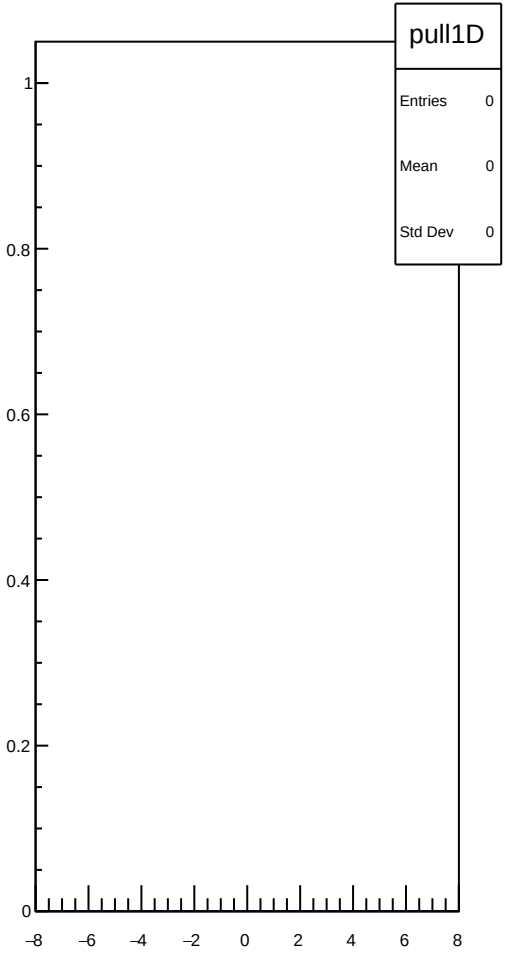
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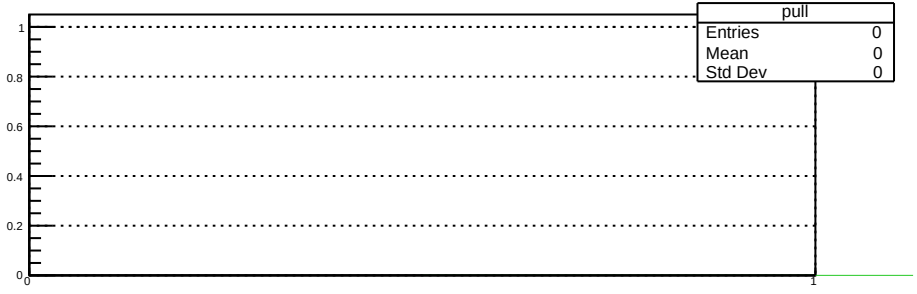
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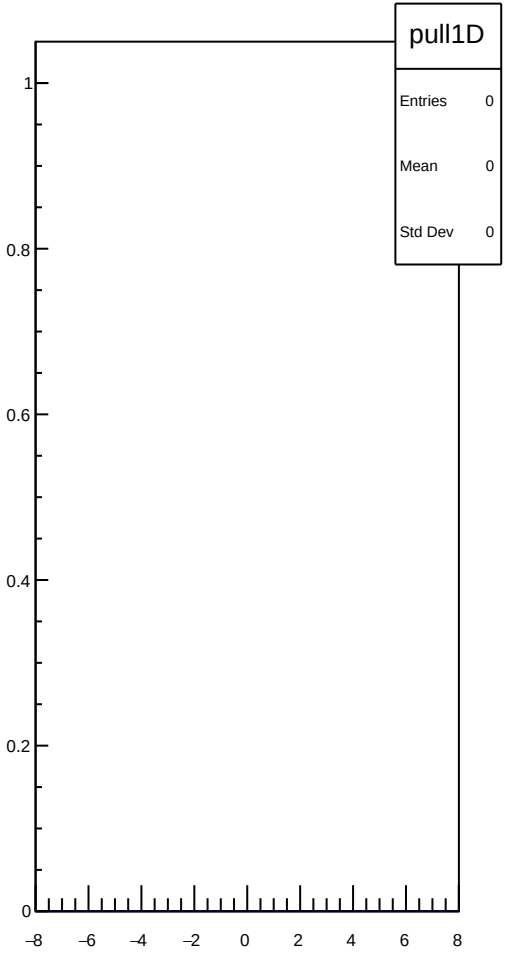
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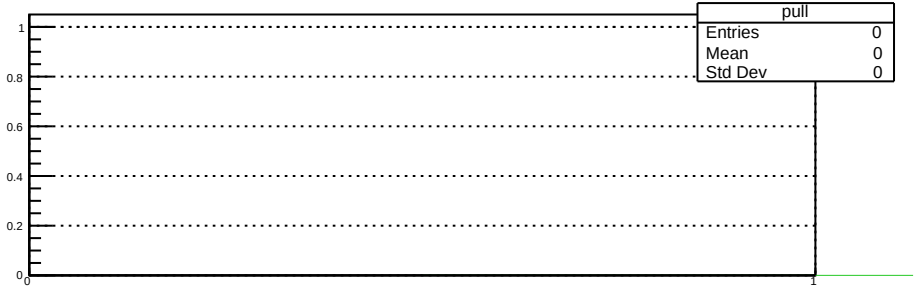
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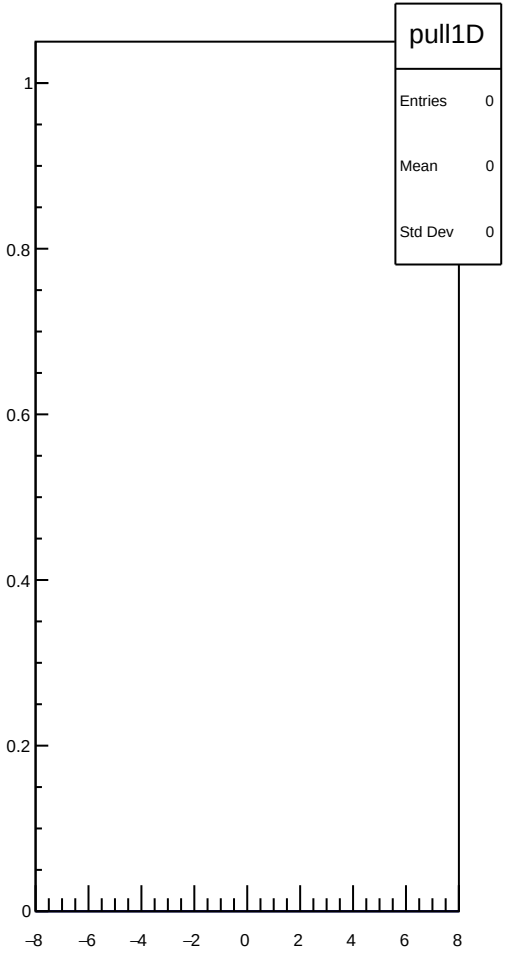
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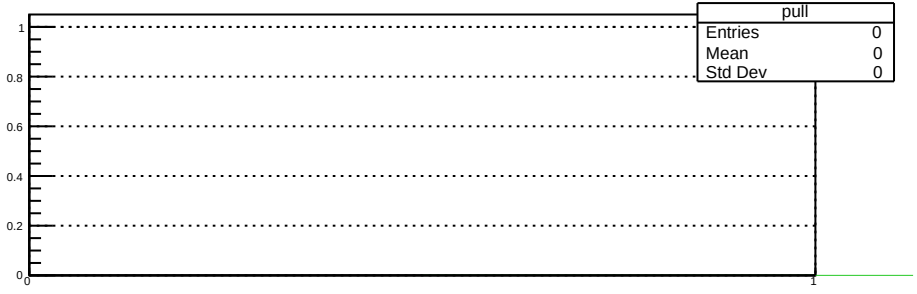
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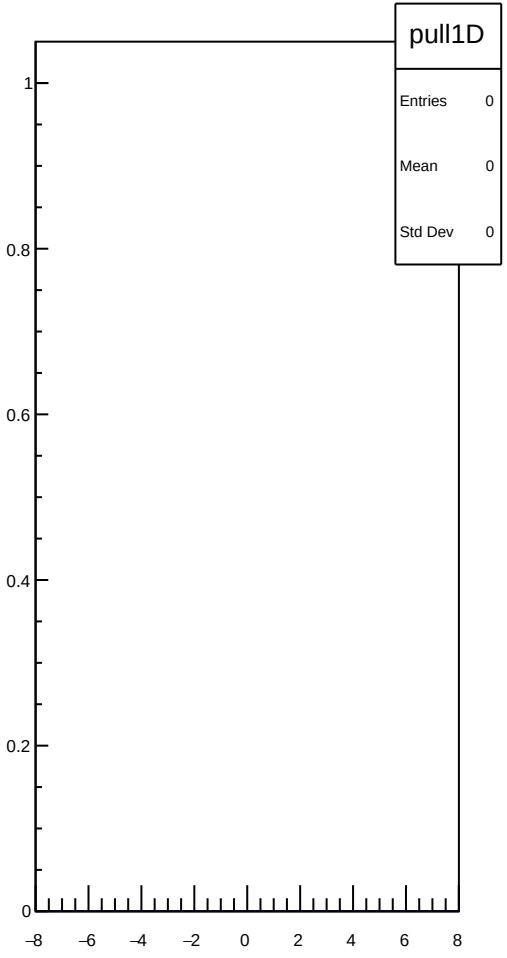
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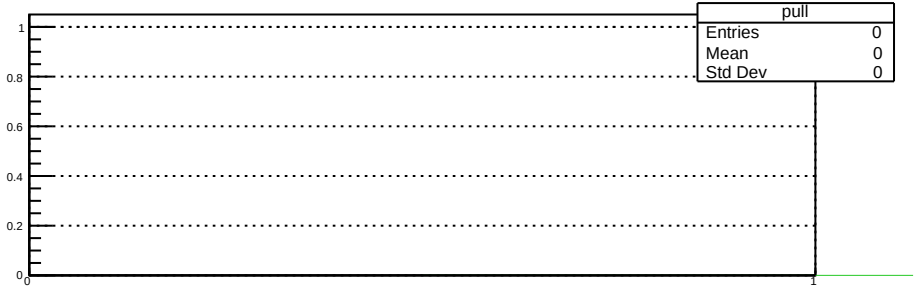
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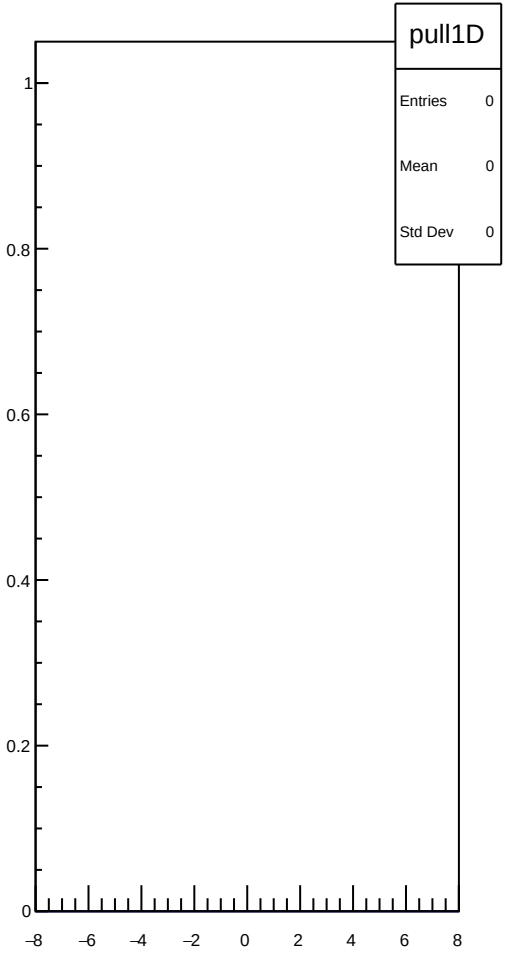
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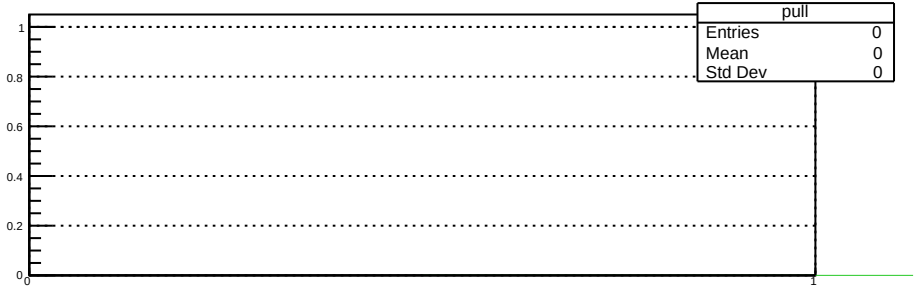
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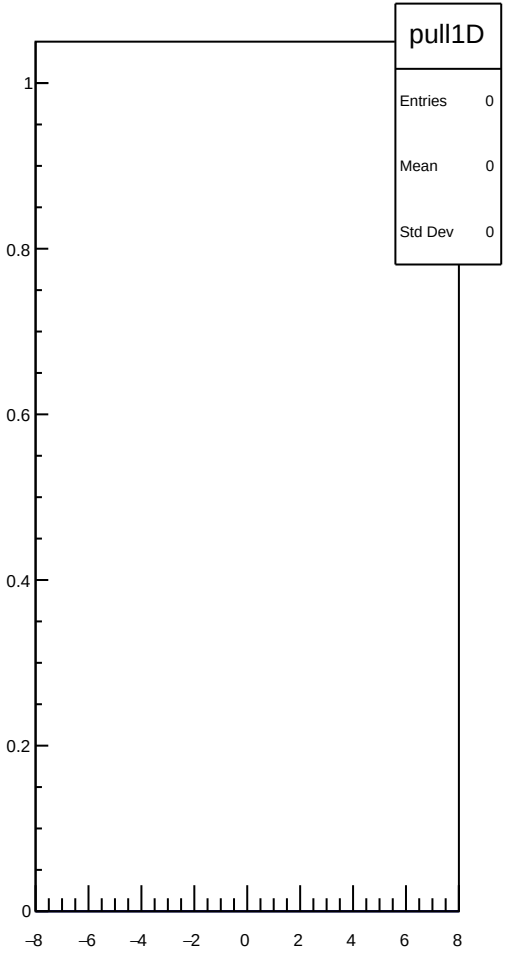
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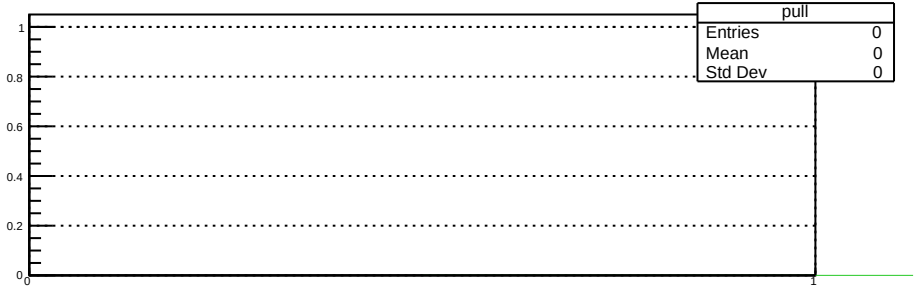
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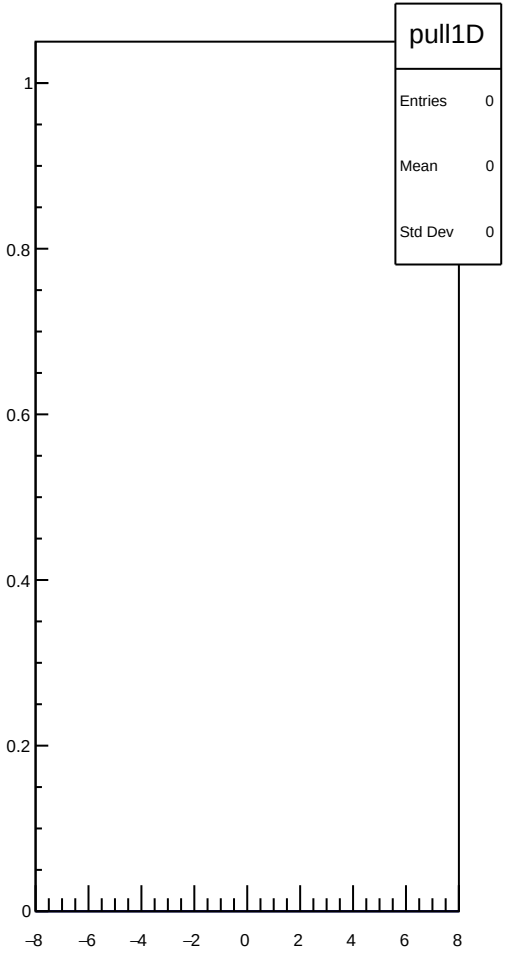
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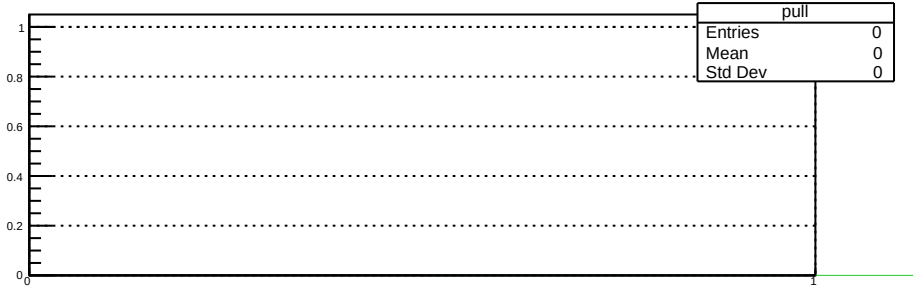
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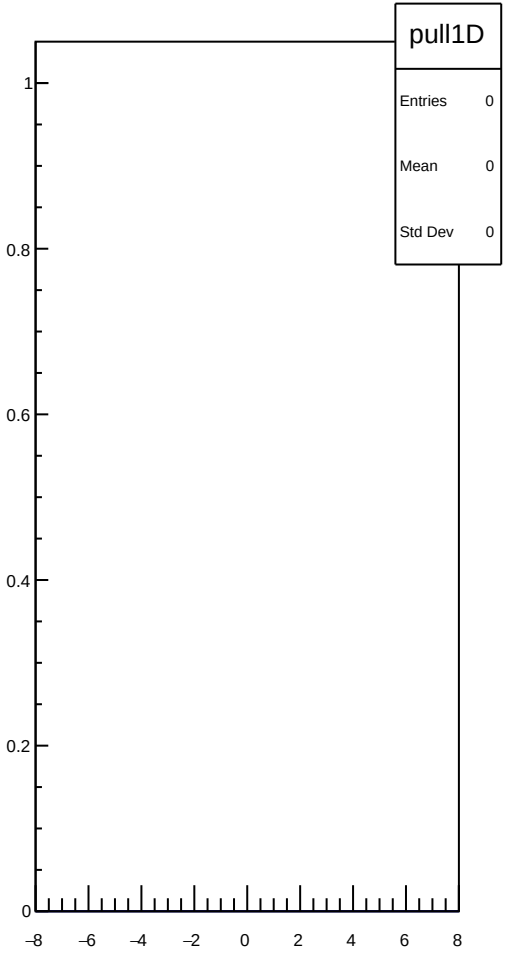
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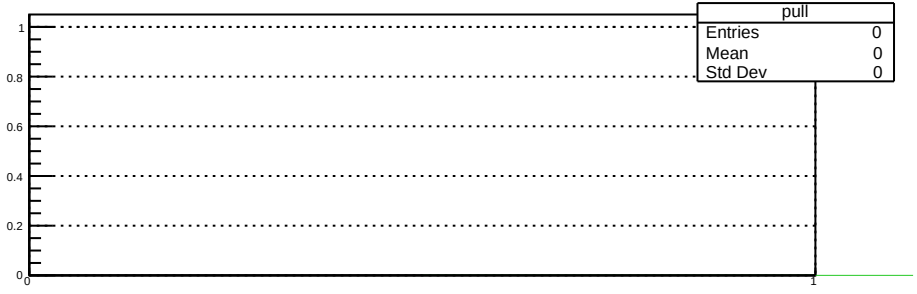
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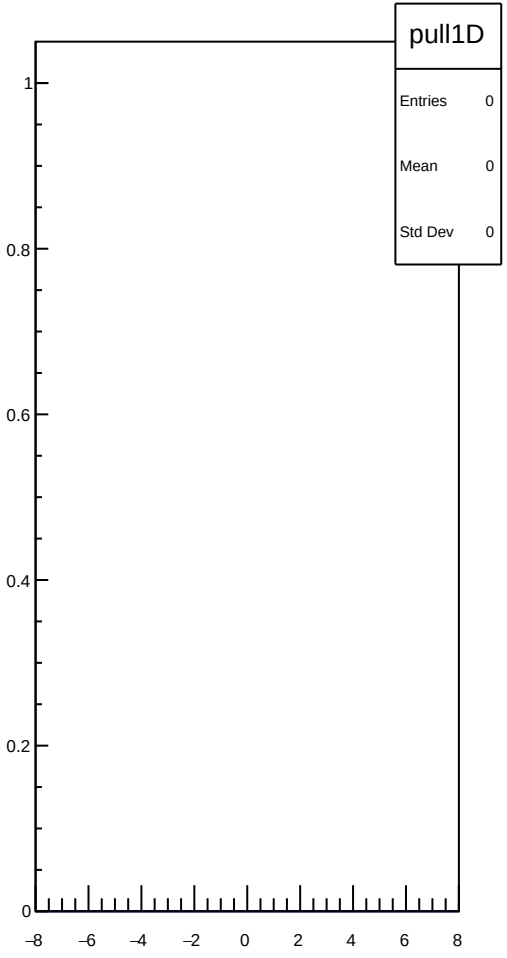
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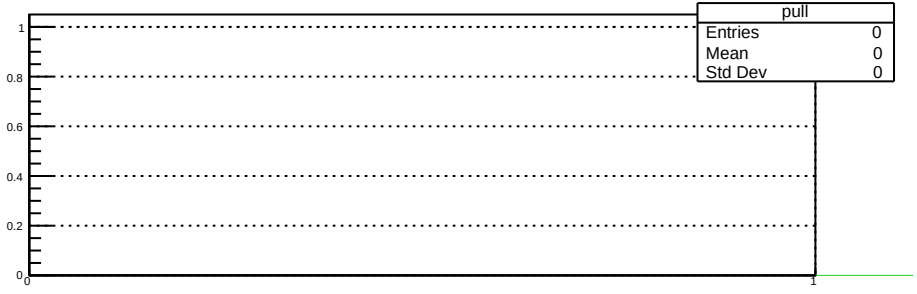
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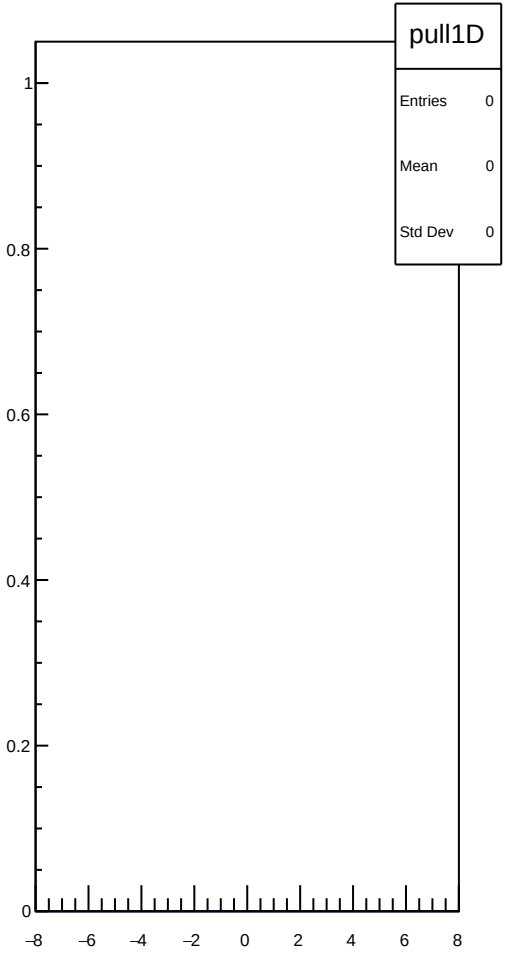
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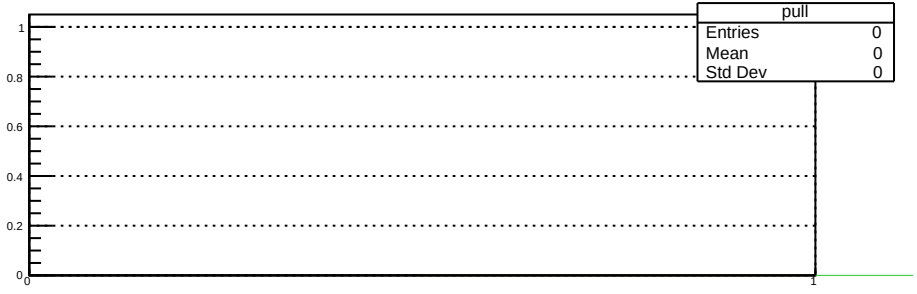
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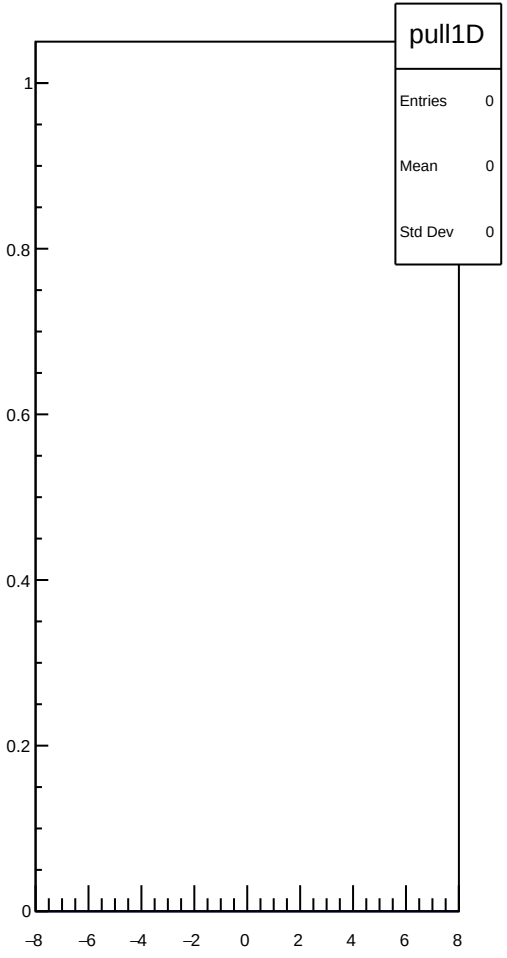
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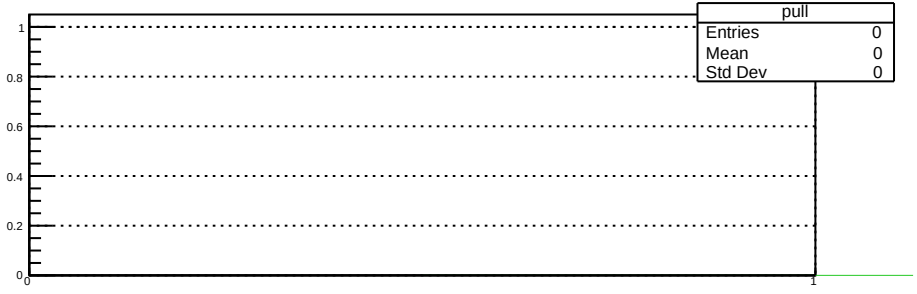
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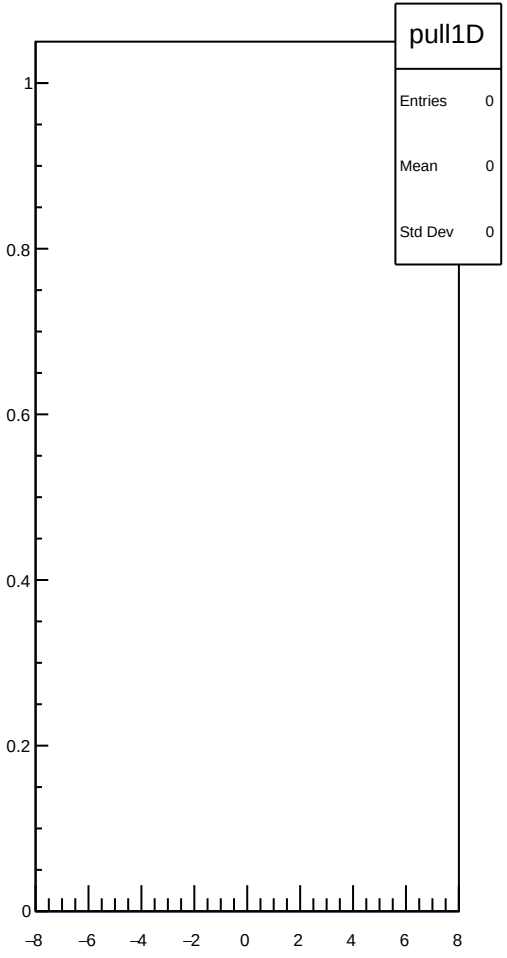
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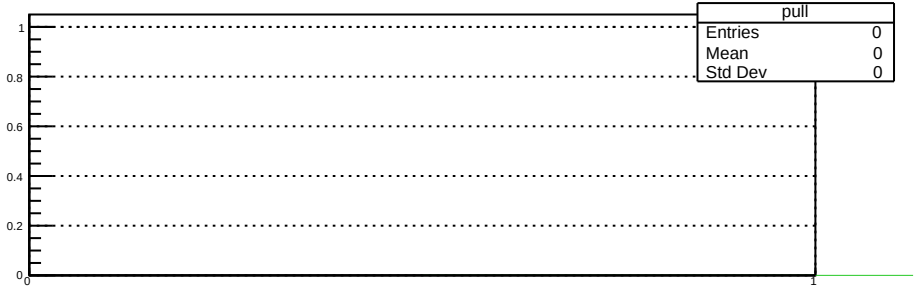
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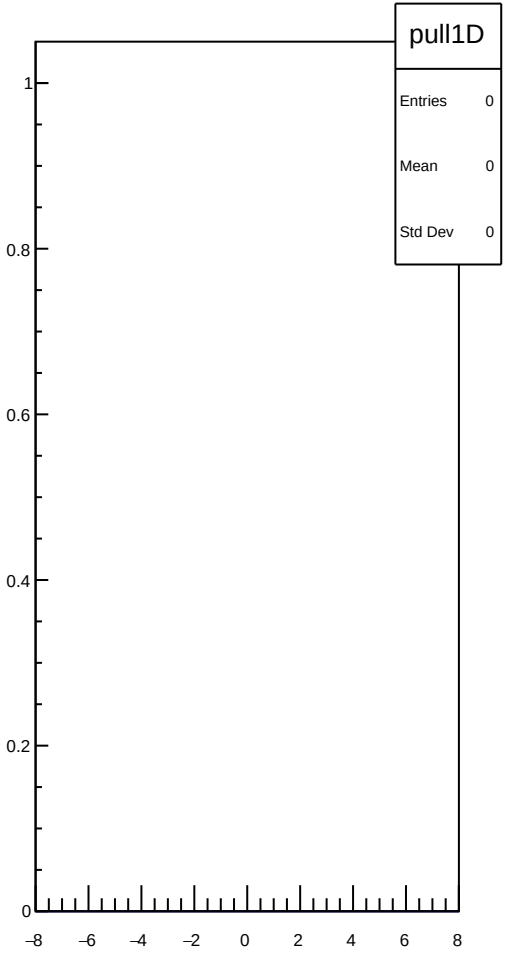
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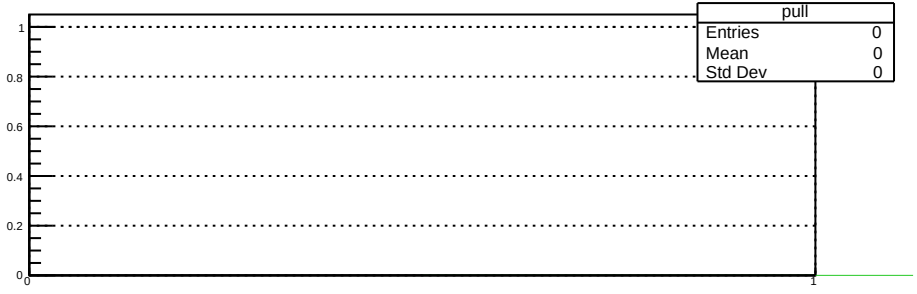
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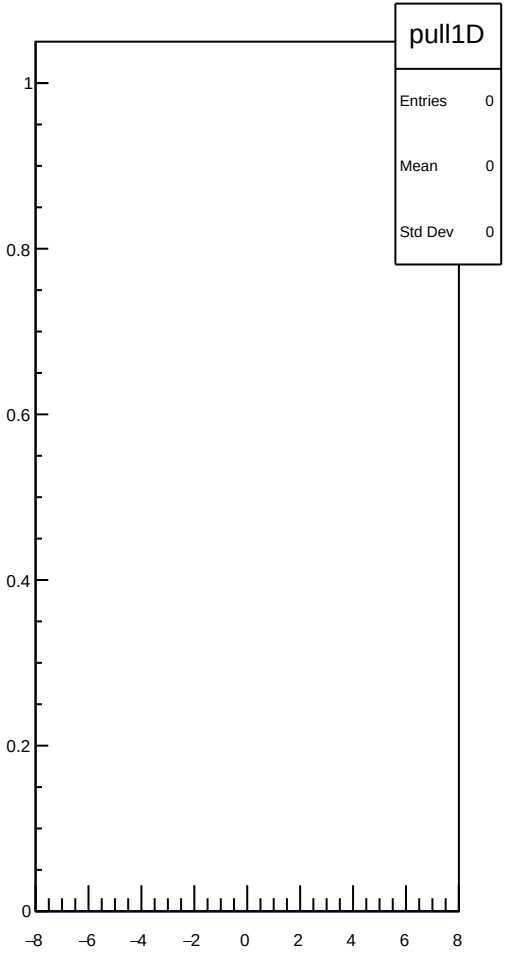
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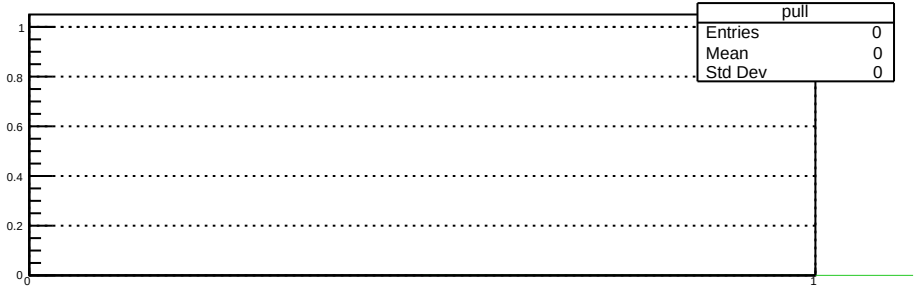
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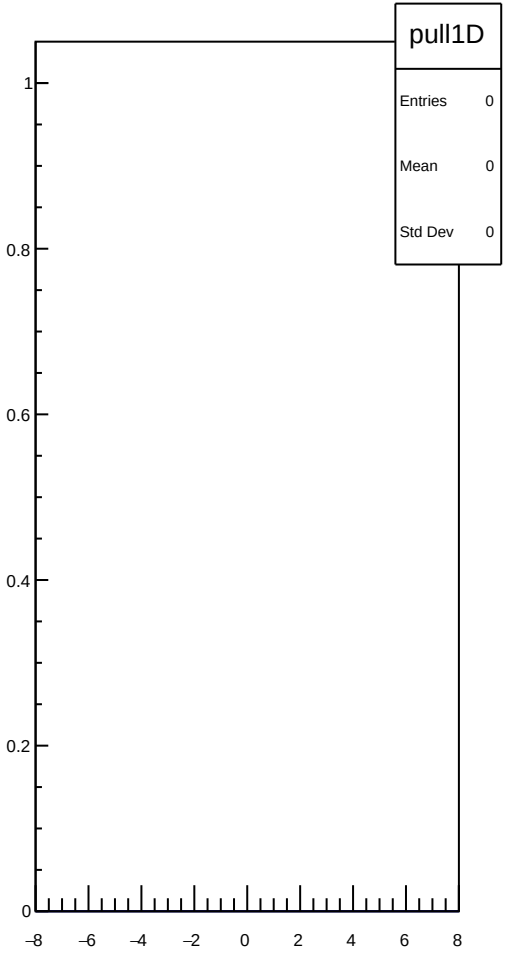
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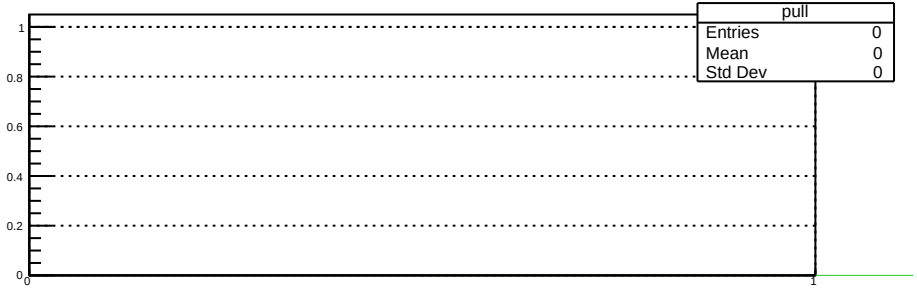
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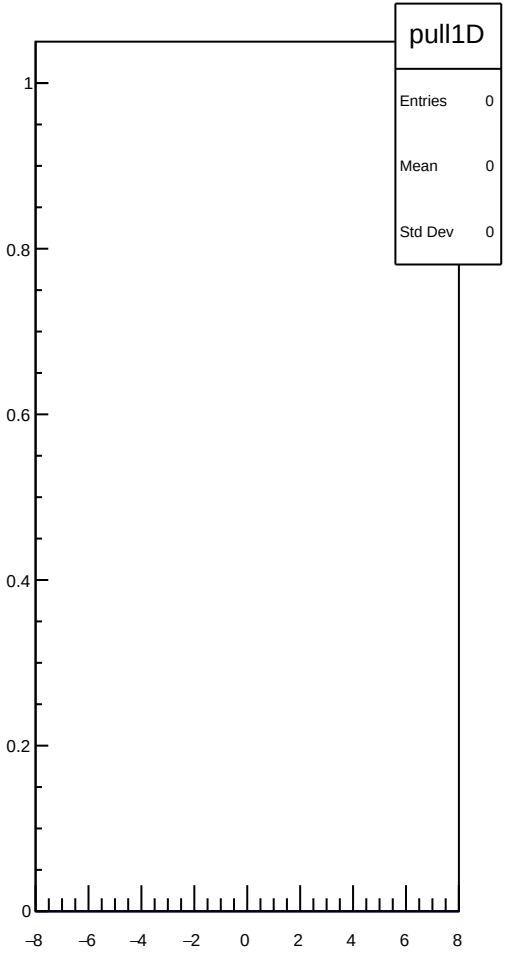
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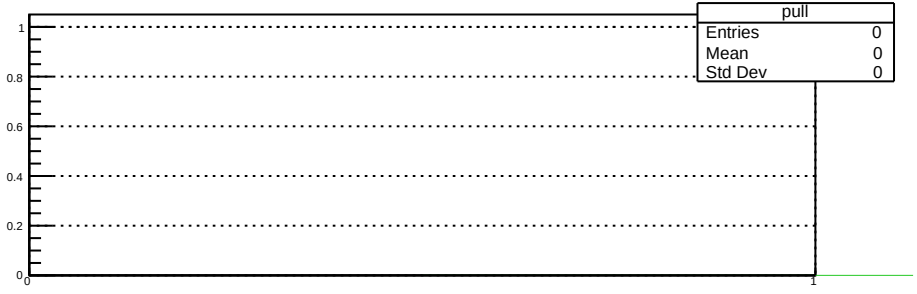
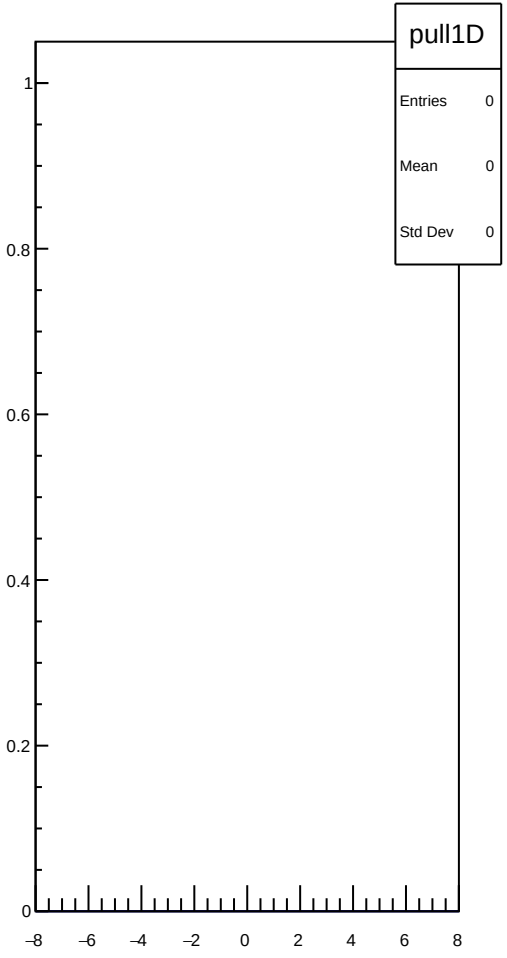
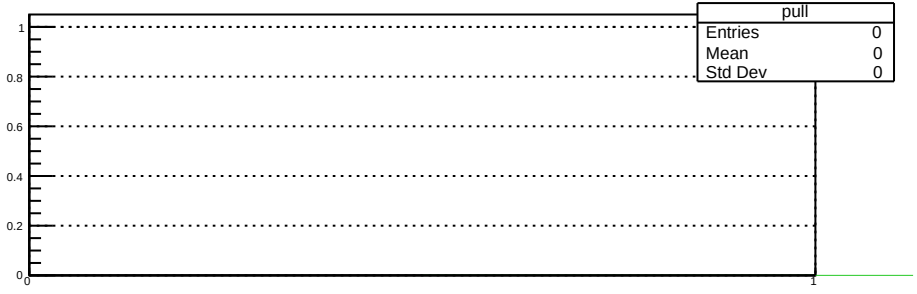
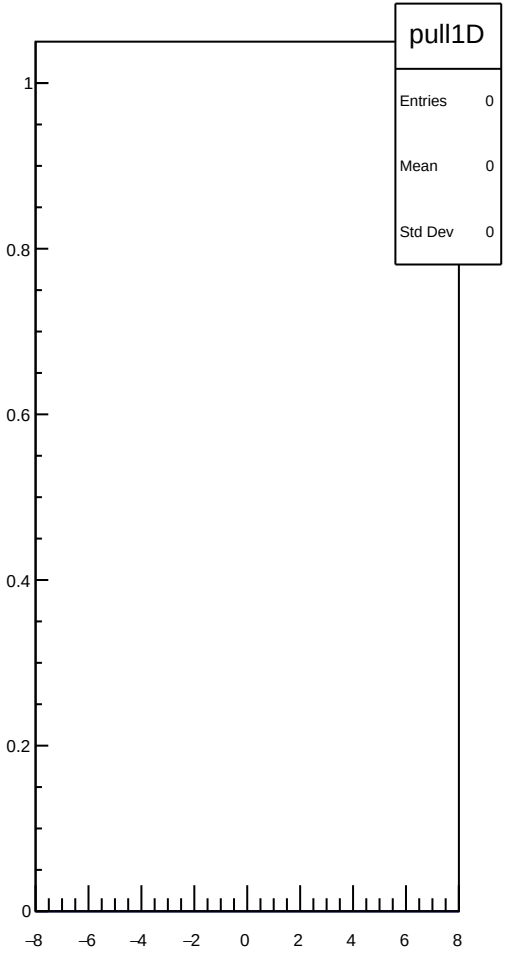
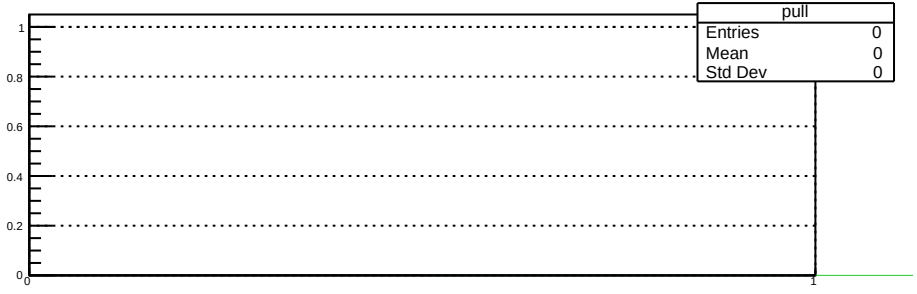
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

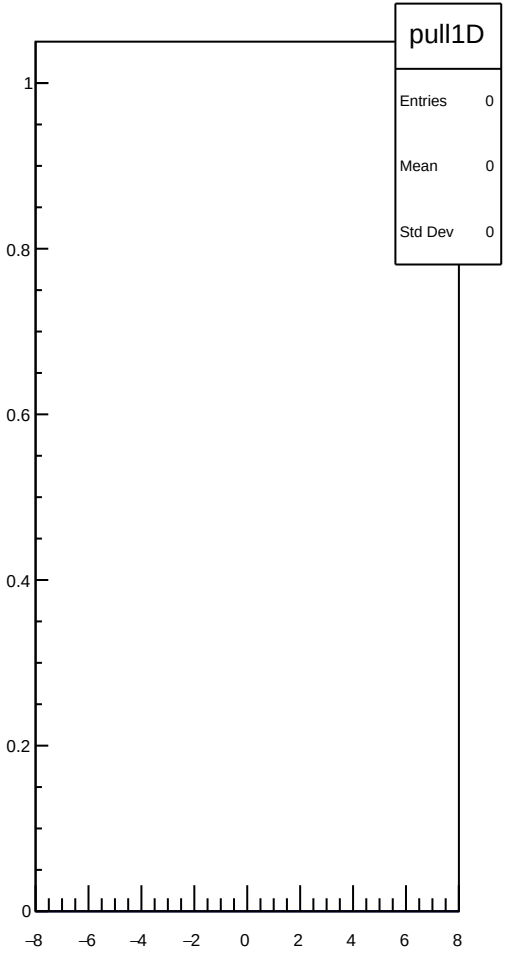

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

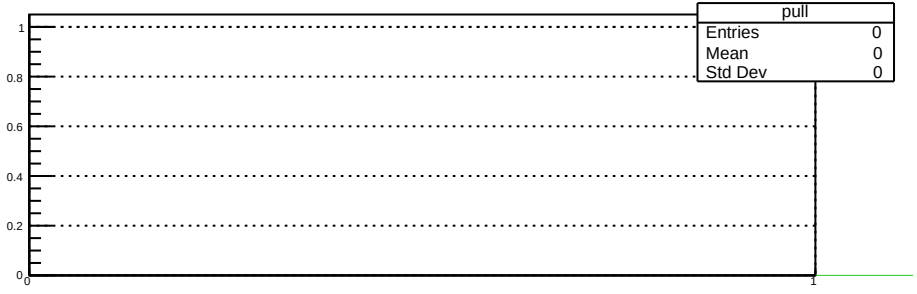

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

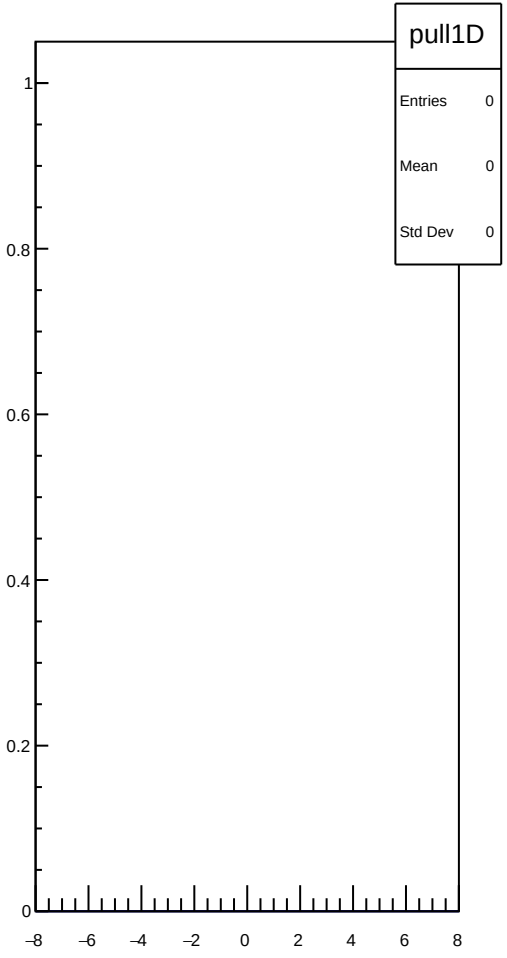

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

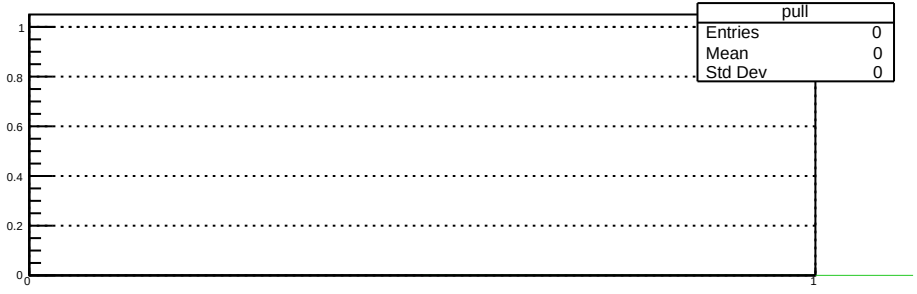

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

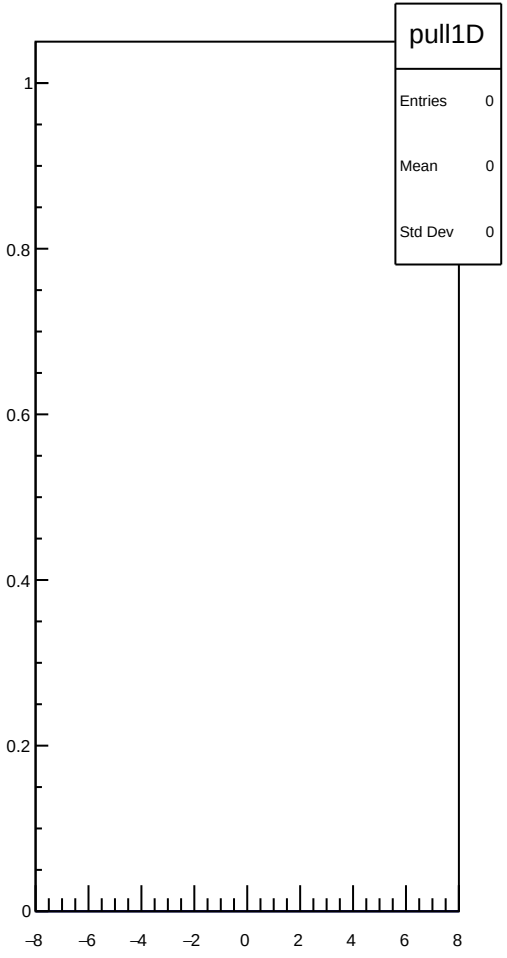

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

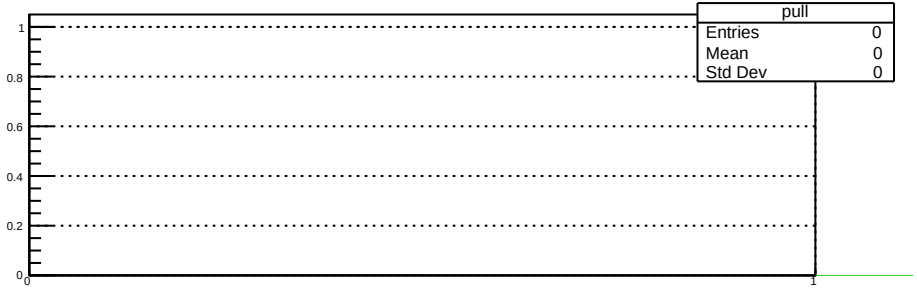

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

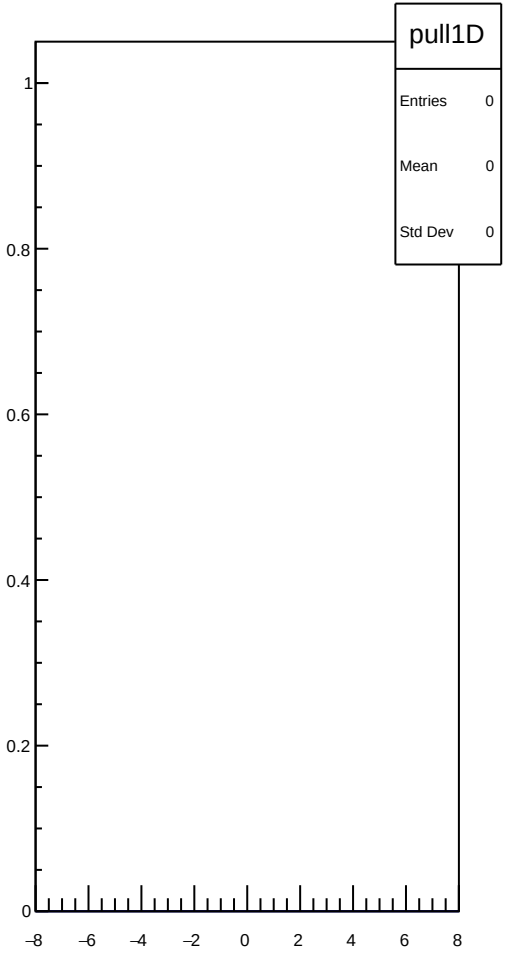

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

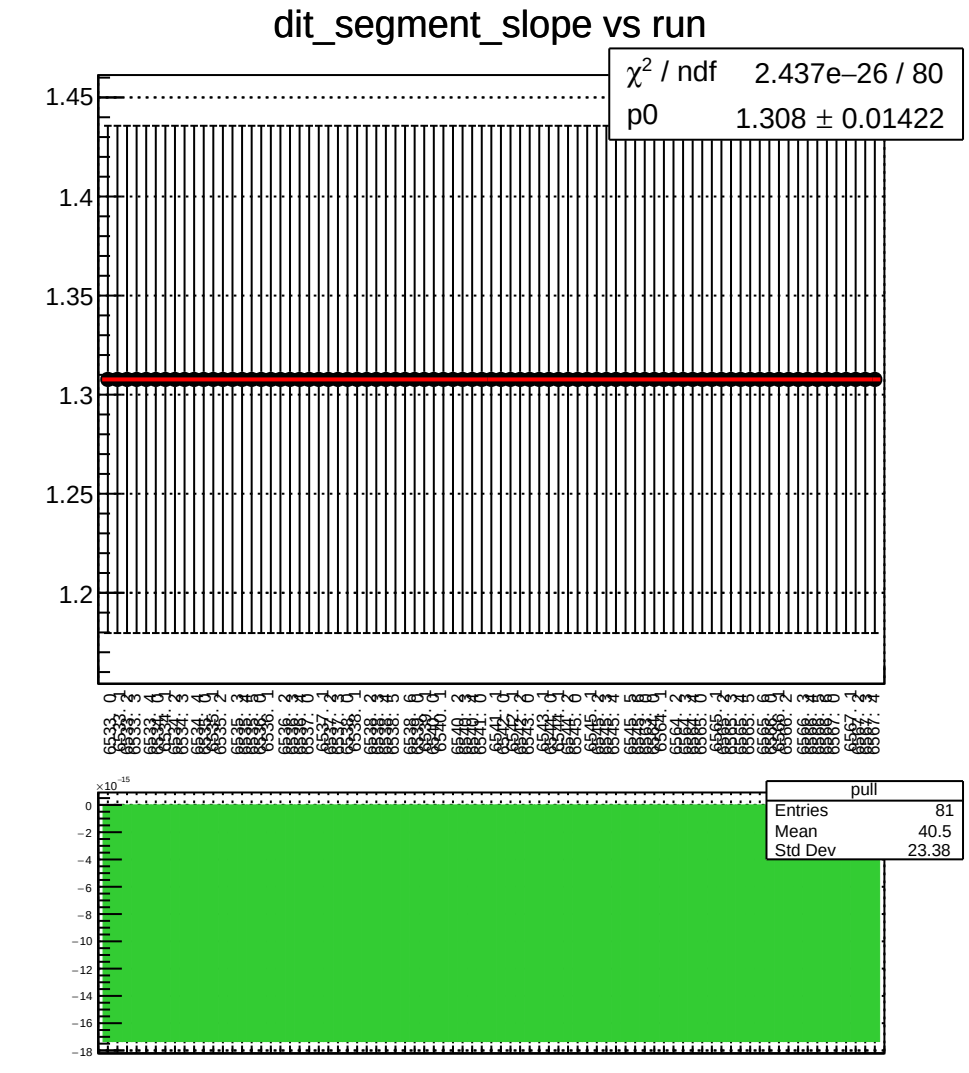

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

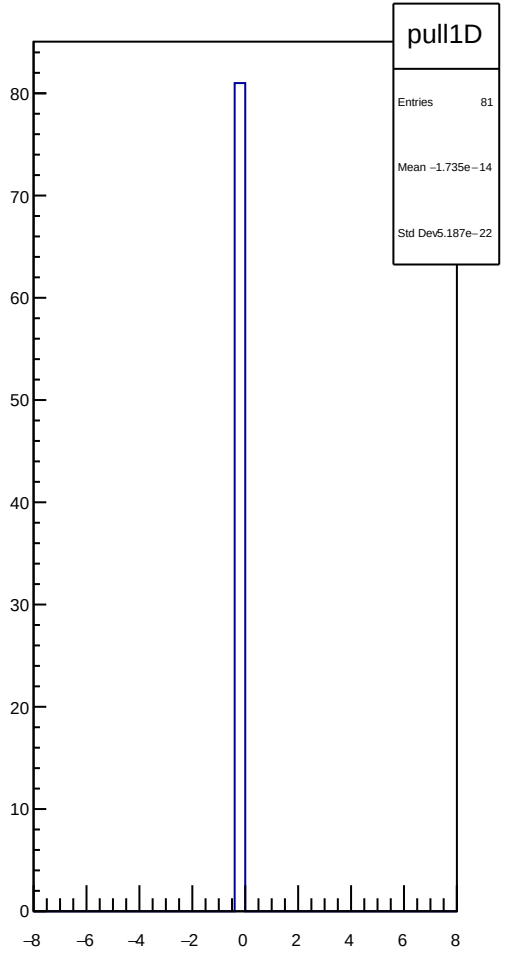

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

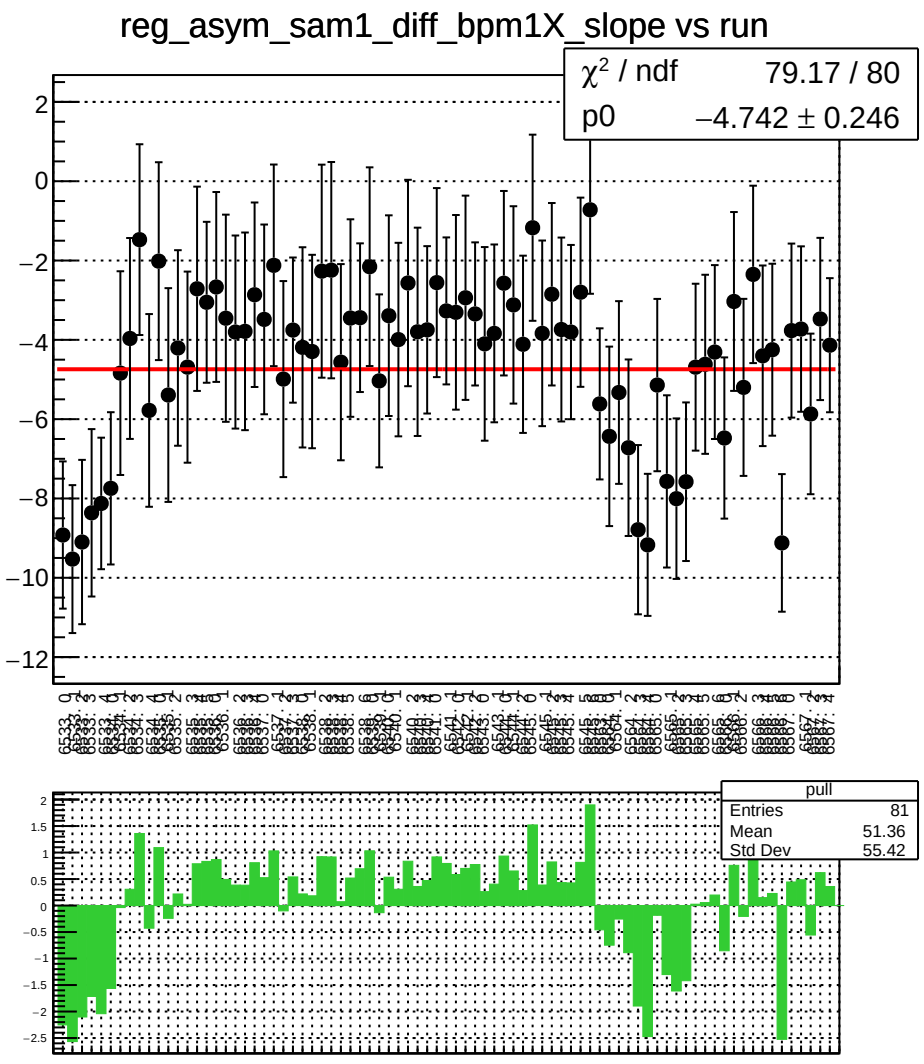

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

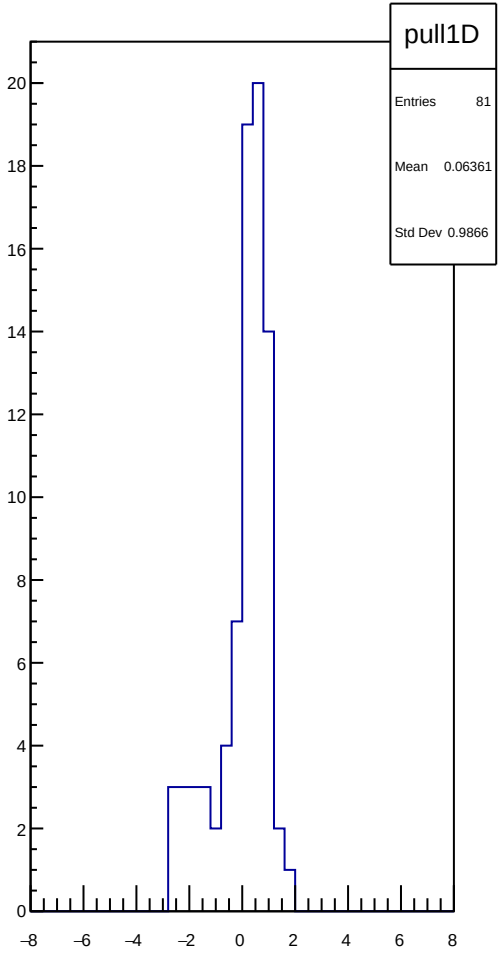

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

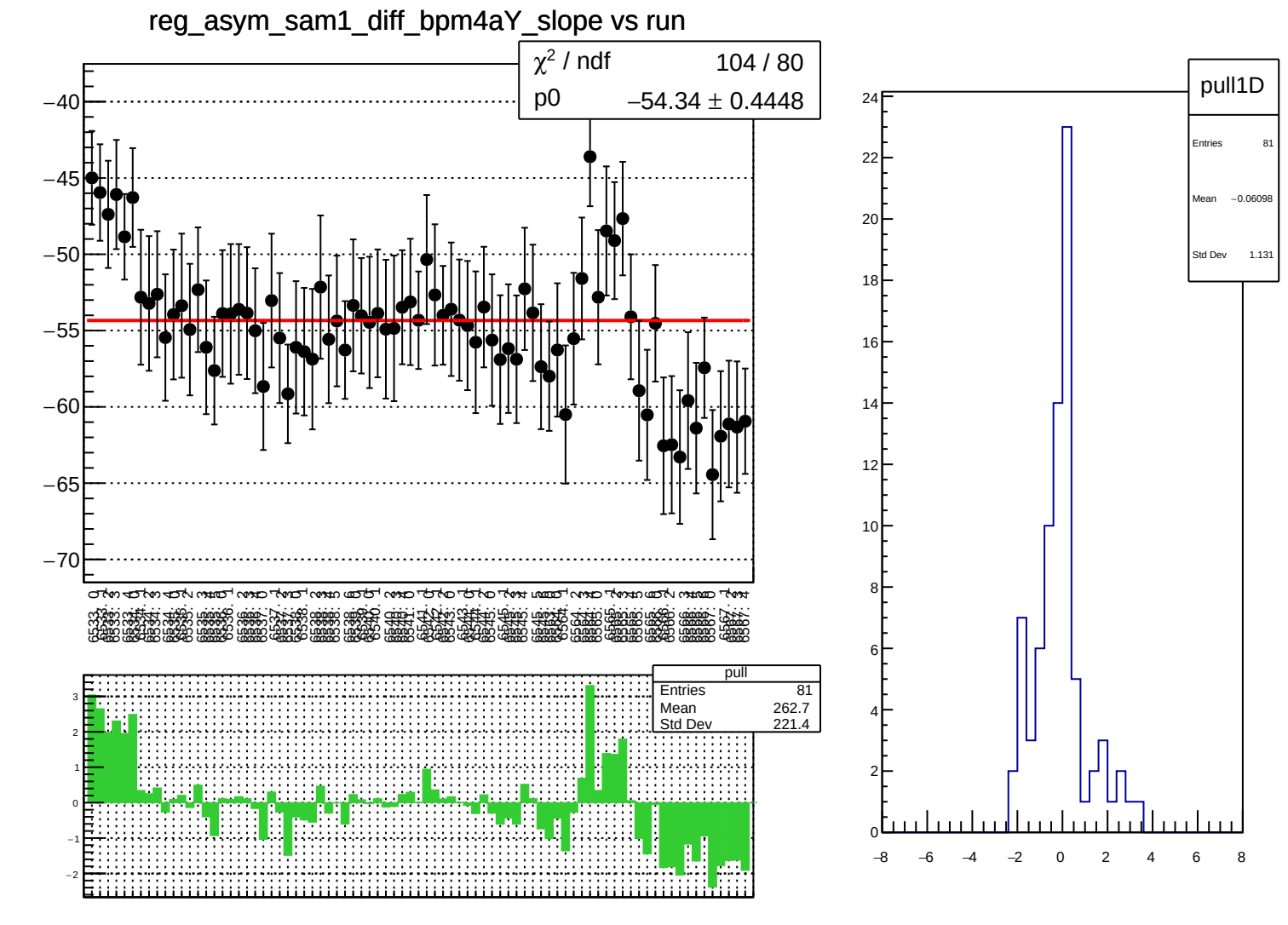

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

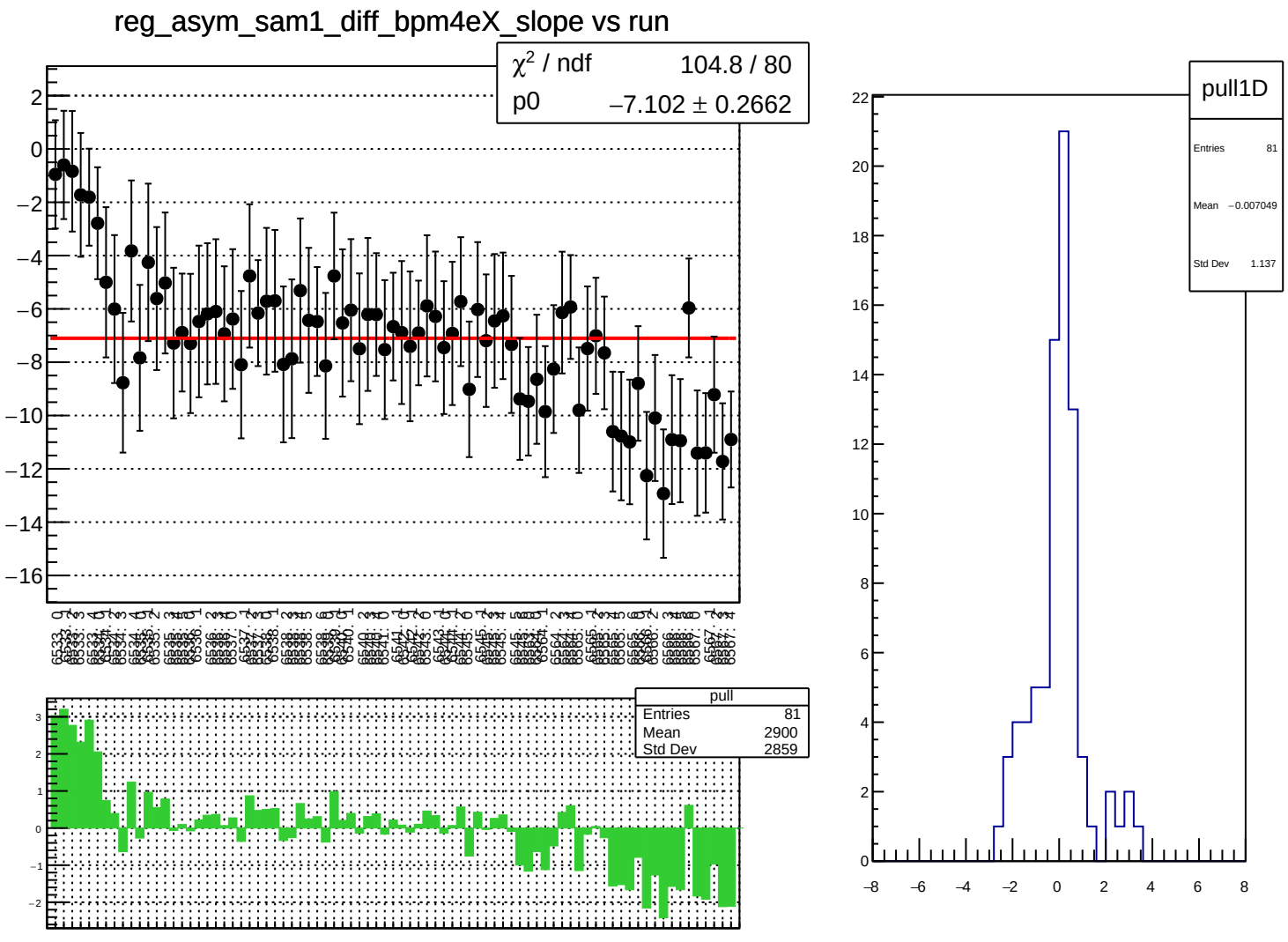

dit_segment_slope vs run
χ² / ndf 2.437e−26 / 80
p0 1.308 ± 0.01422
1.45
1.4
1.35
1.3
1.25
1.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

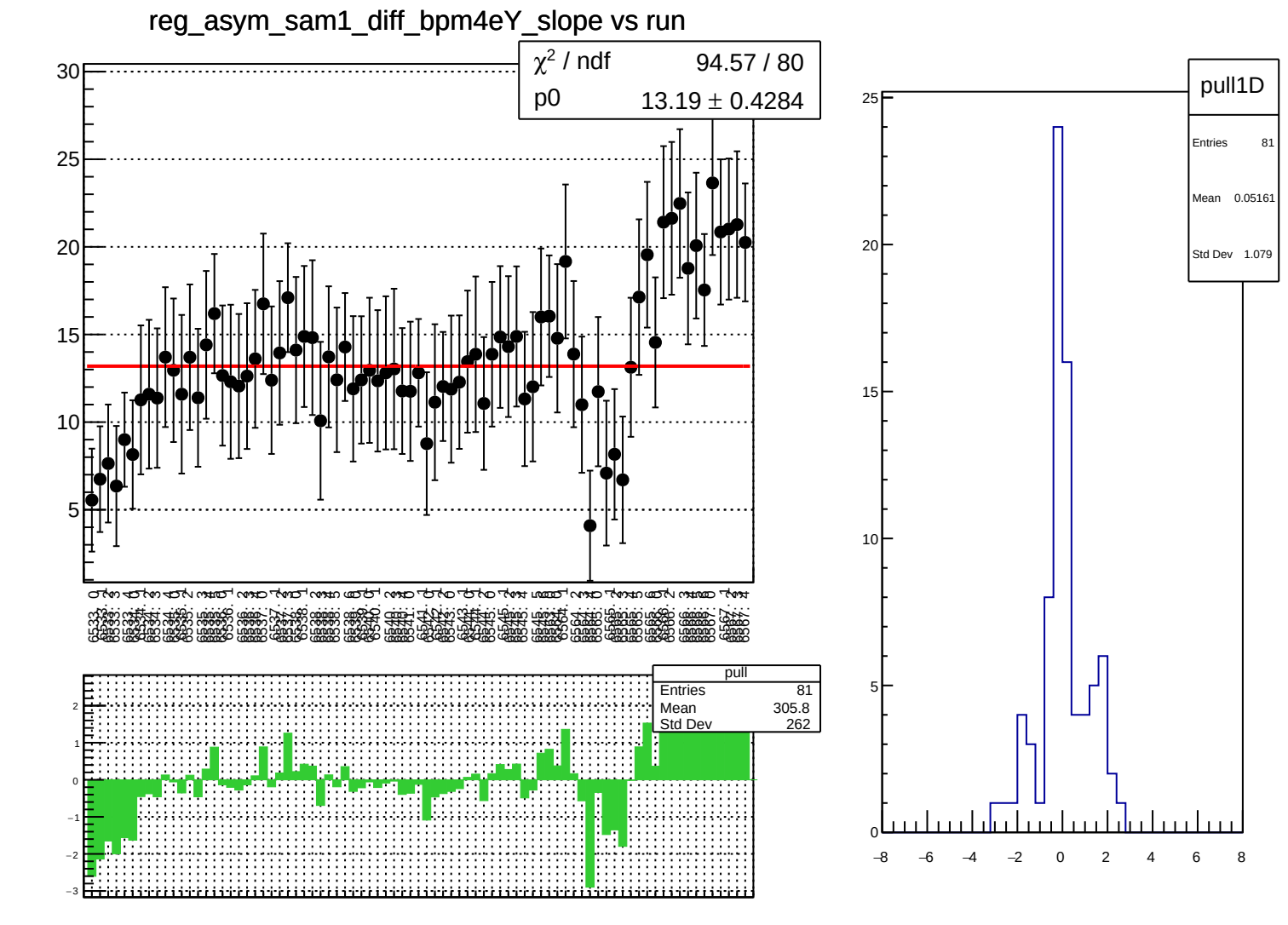

pull1D
Entries 81
Mean −1.735e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

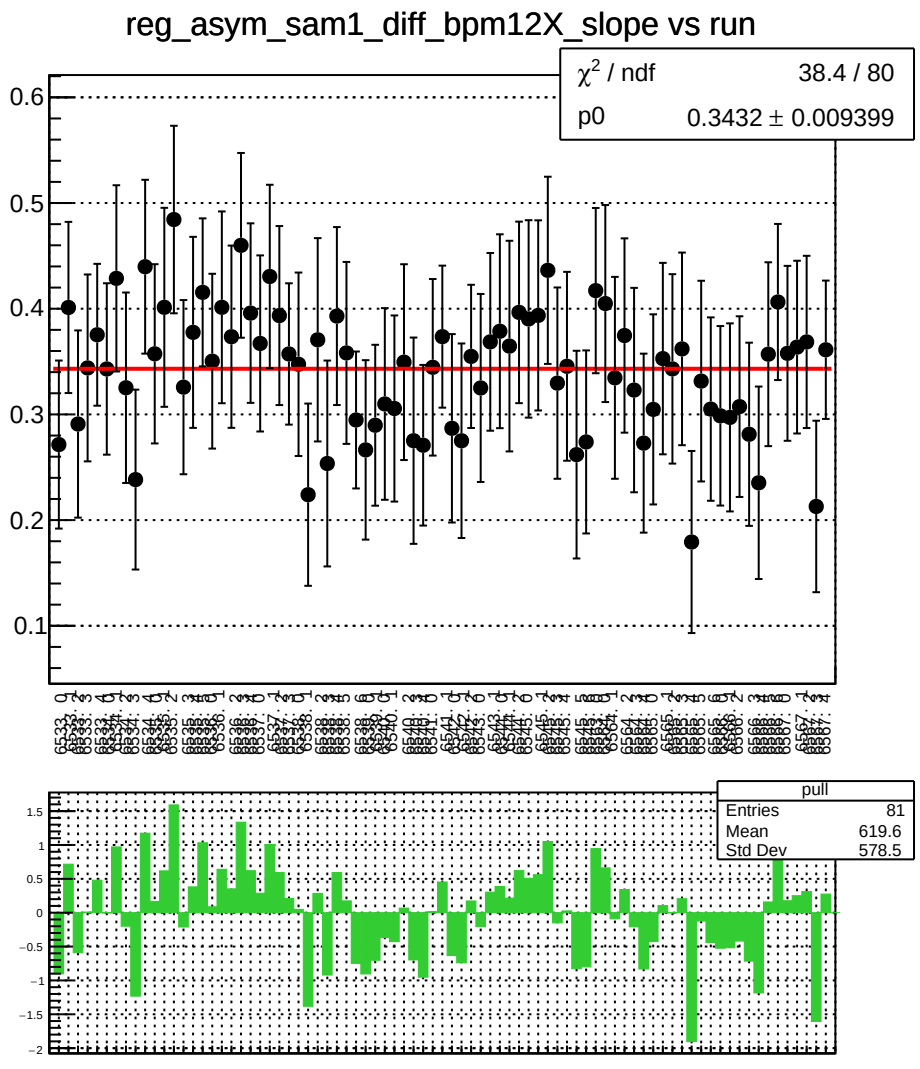

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 79.17 / 80
p0 −4.742 ± 0.246
pull
Entries 81
Mean 51.36
Std Dev 55.42

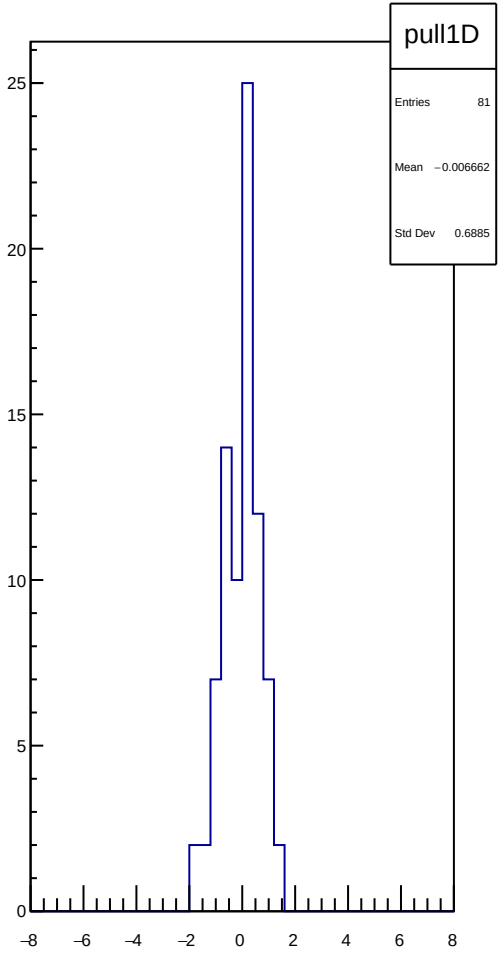

pull1D
Entries 81
Mean 0.06361
Std Dev 0.9866

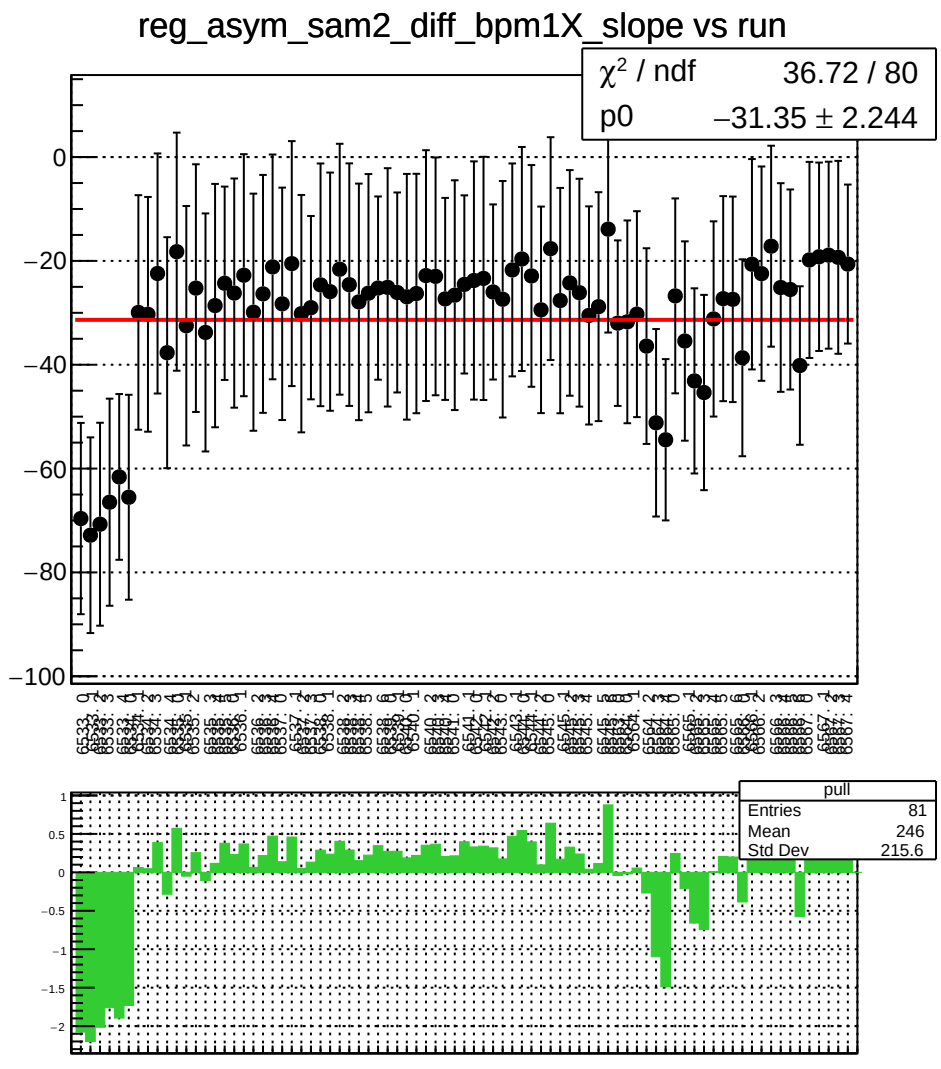

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 104 / 80
p0 −54.34 ± 0.4448
pull
Entries 81
Mean 262.7
Std Dev 221.4
pull1D
Entries 81
Mean −0.06098
Std Dev 1.131

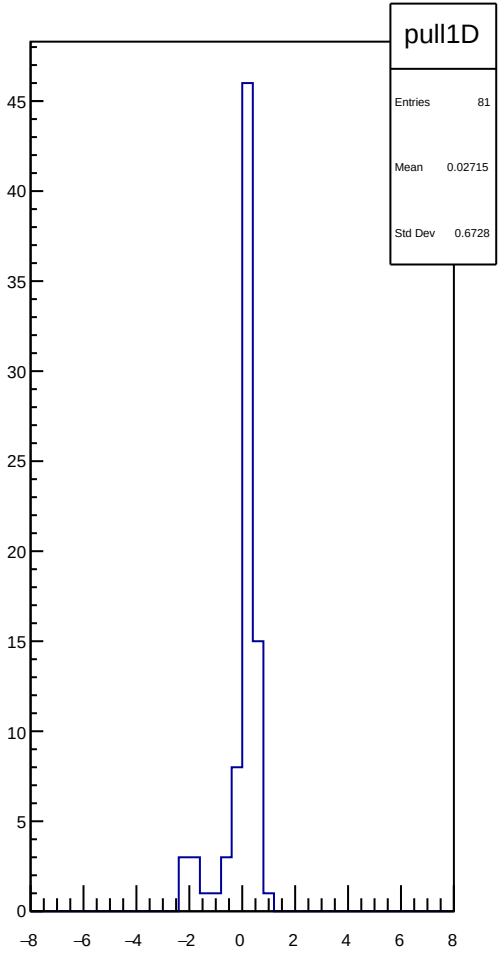

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 104.8 / 80
p0 −7.102 ± 0.2662
pull
Entries 81
Mean 2900
Std Dev 2859
pull1D
Entries 81
Mean −0.007049
Std Dev 1.137

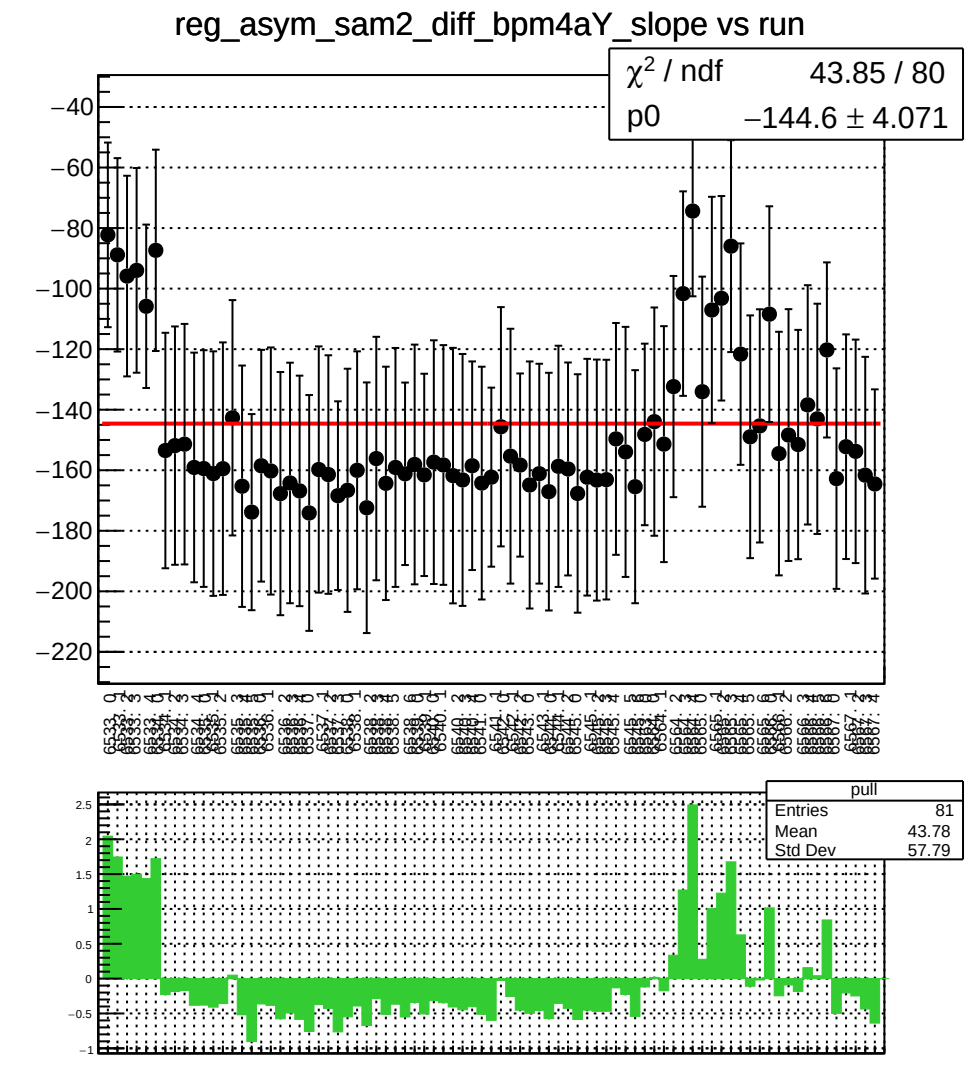

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 94.57 / 80
p0 13.19 ± 0.4284
pull
Entries 81
Mean 305.8
Std Dev 262
pull1D
Entries 81
Mean 0.05161
Std Dev 1.079

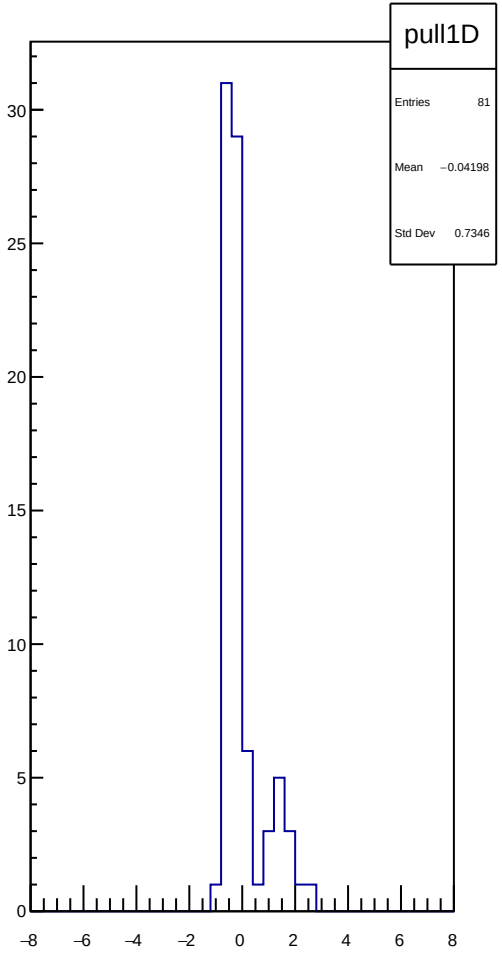

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 38.4 / 80
p0 0.3432 ± 0.009399
pull
Entries 81
Mean 619.6
Std Dev 578.5

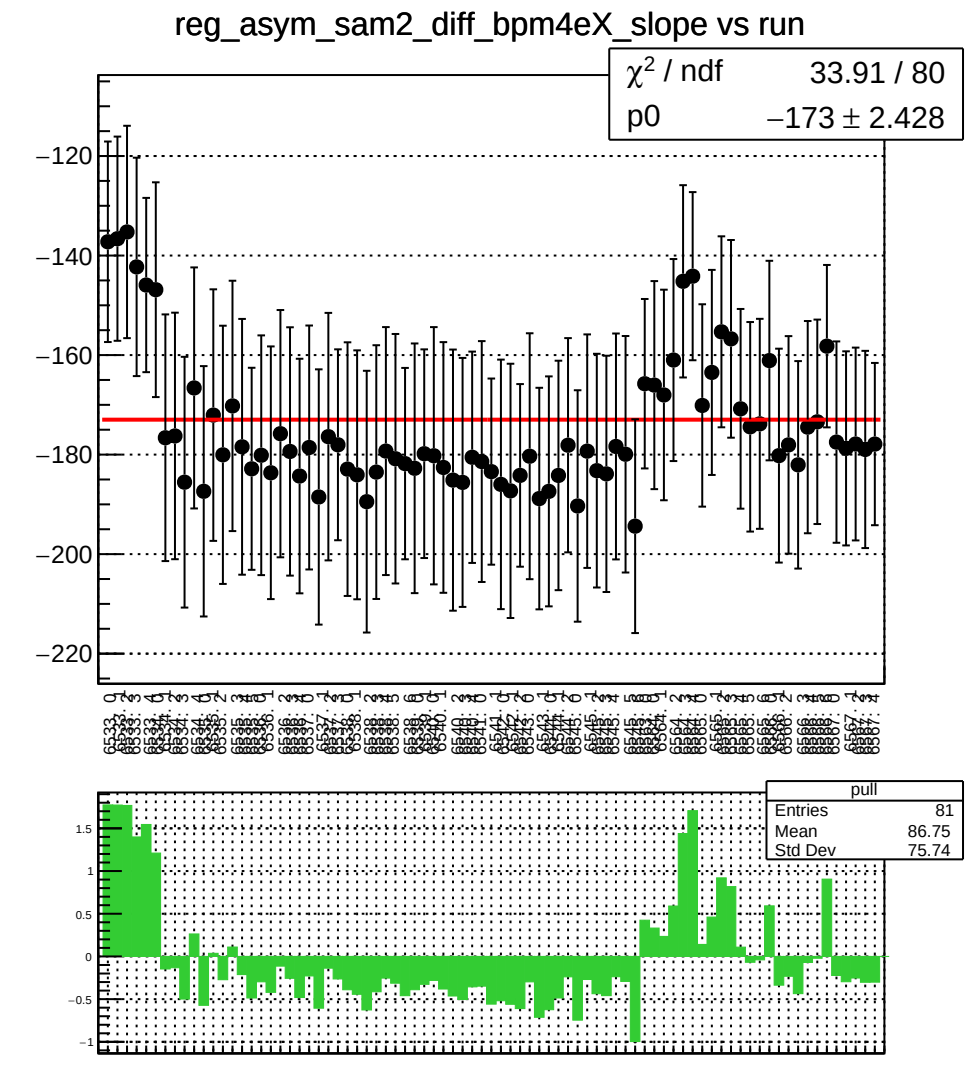

pull1D
Entries 81
Mean −0.006662
Std Dev 0.6885

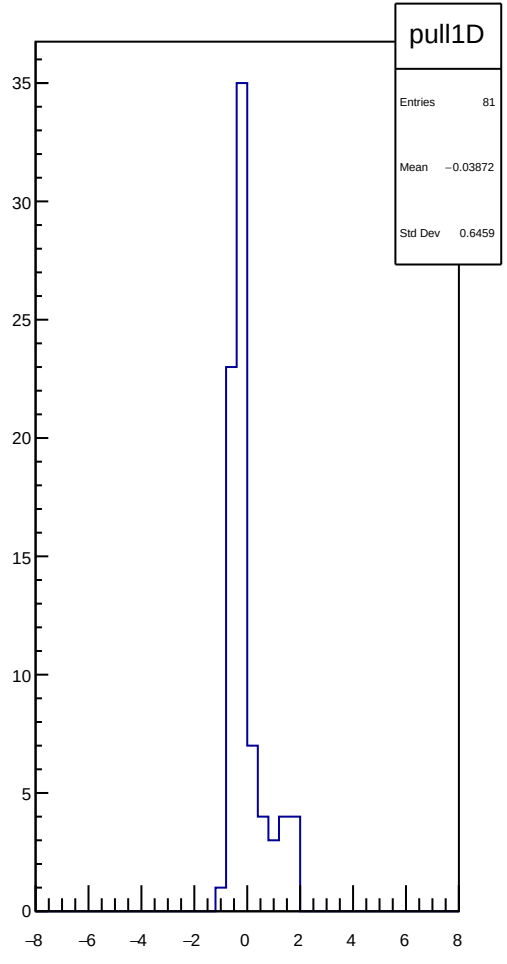

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 36.72 / 80
p0 −31.35 ± 2.244
pull
Entries 81
Mean 246
Std Dev 215.6

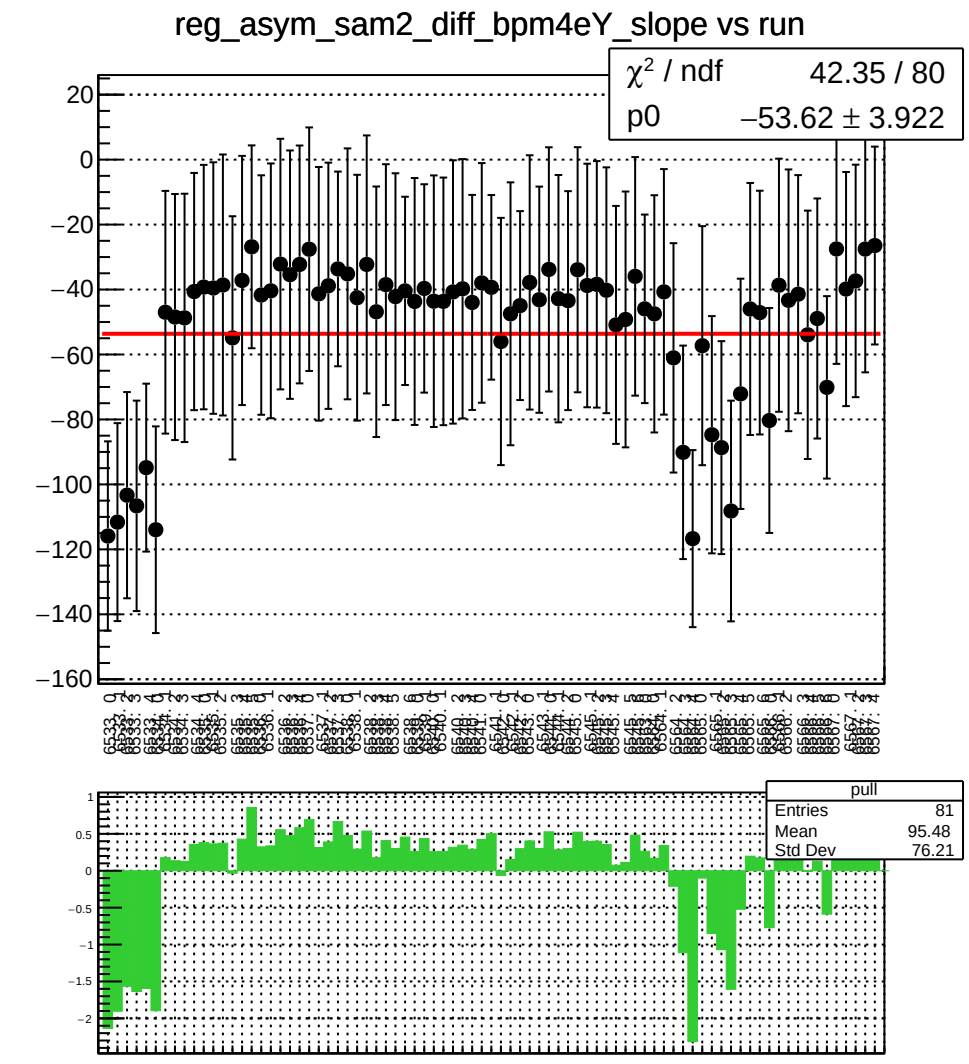

pull1D
Entries 81
Mean 0.02715
Std Dev 0.6728

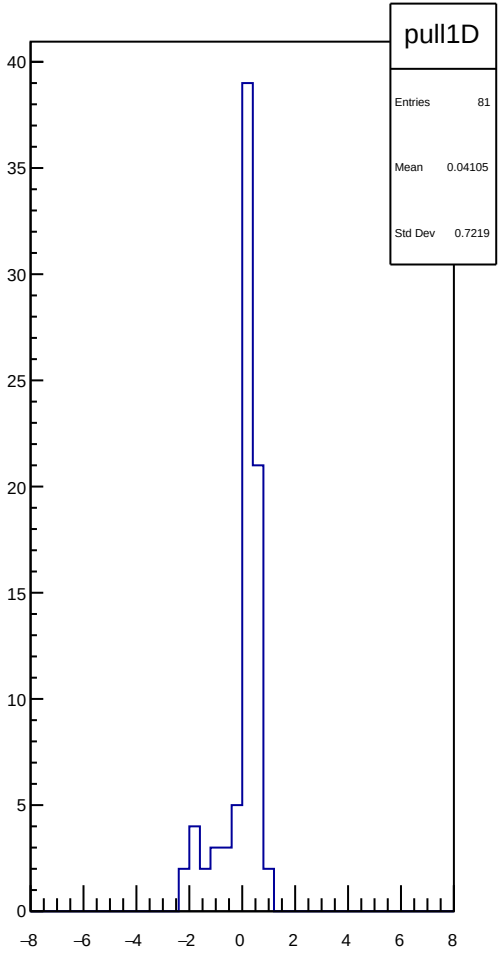

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 43.85 / 80
p0 −144.6 ± 4.071
pull
Entries 81
Mean 43.78
Std Dev 57.79

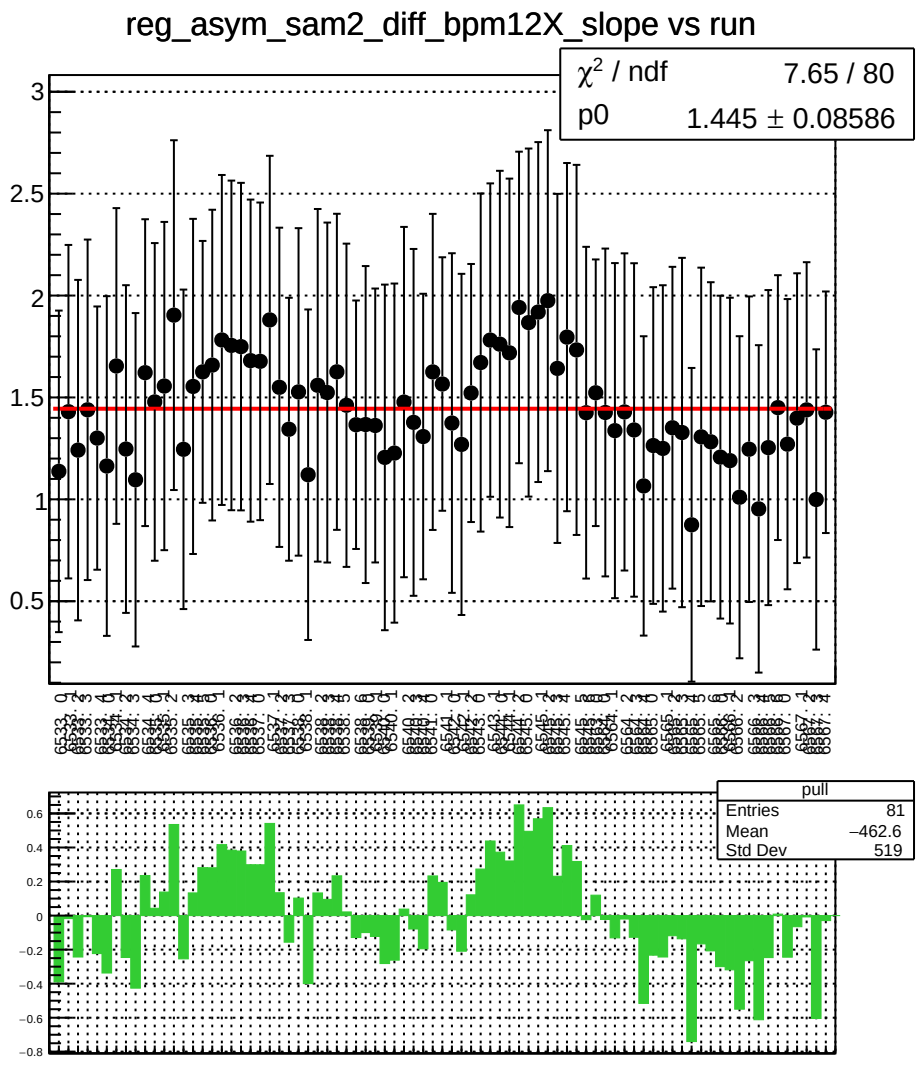

pull1D
Entries 81
Mean −0.04198
Std Dev 0.7346

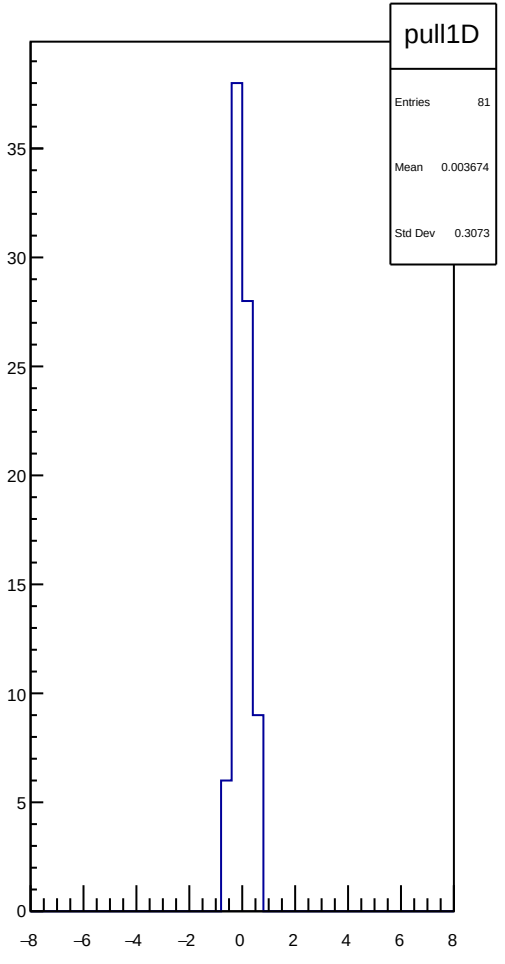

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 33.91 / 80
p0 −173 ± 2.428
−120
−140
−160
−180
−200
−220
pull
Entries 81
Mean 86.75
Std Dev 75.74
1.5
1
0.5
0
−0.5
−1

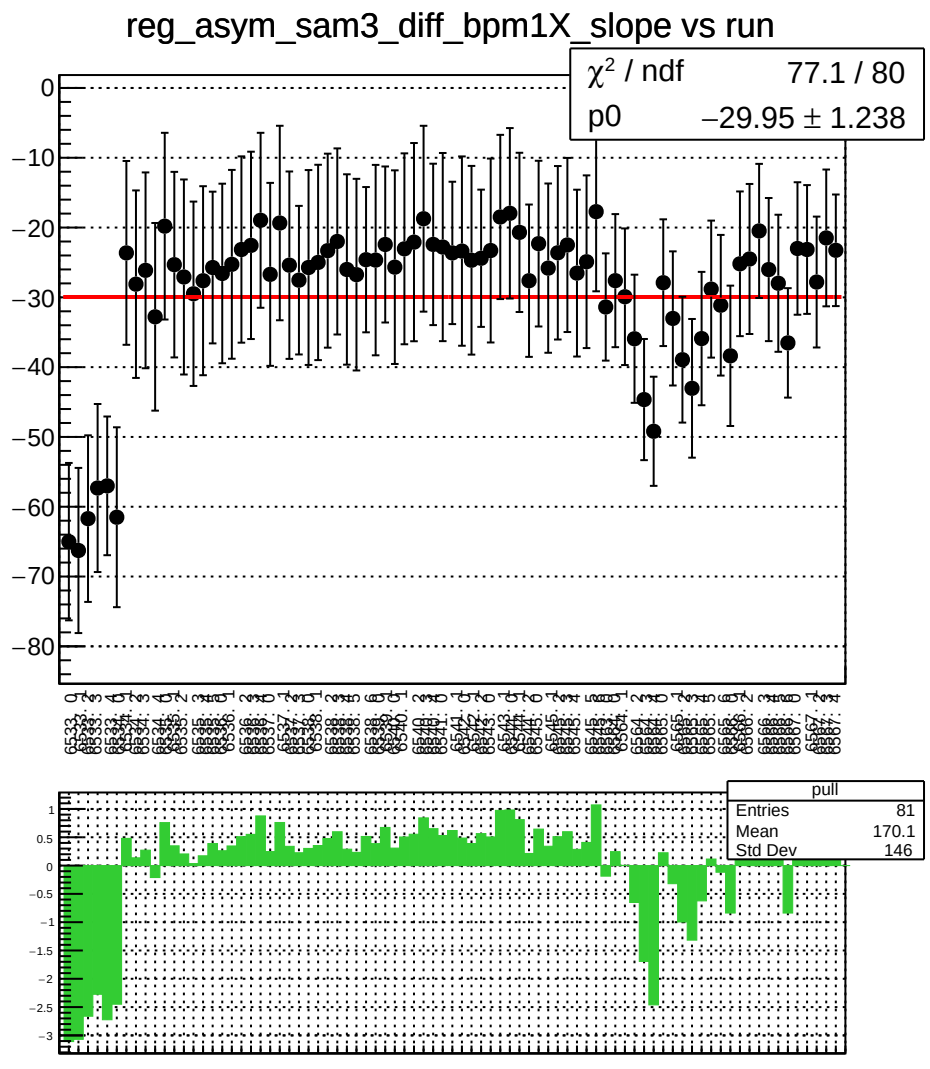

pull1D
Entries 81
Mean −0.03872
Std Dev 0.6459
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

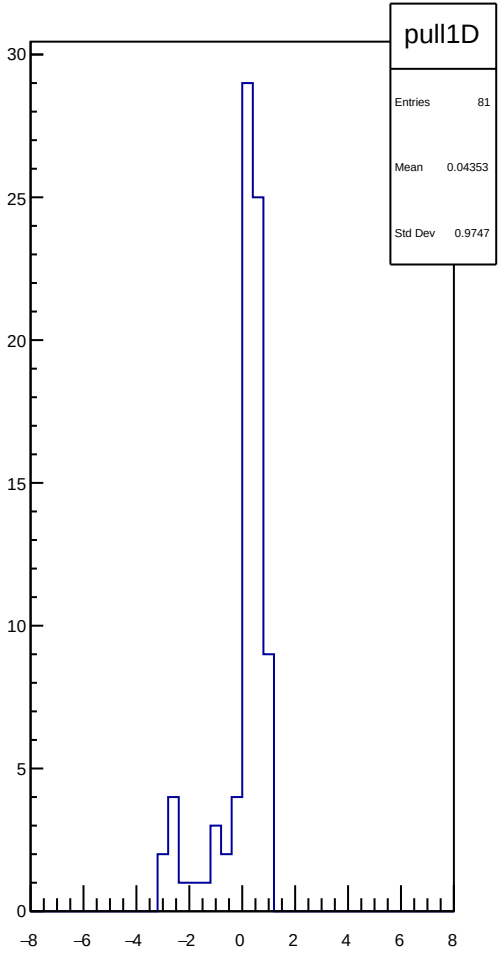

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 42.35 / 80
p0 −53.62 ± 3.922
pull
Entries 81
Mean 95.48
Std Dev 76.21

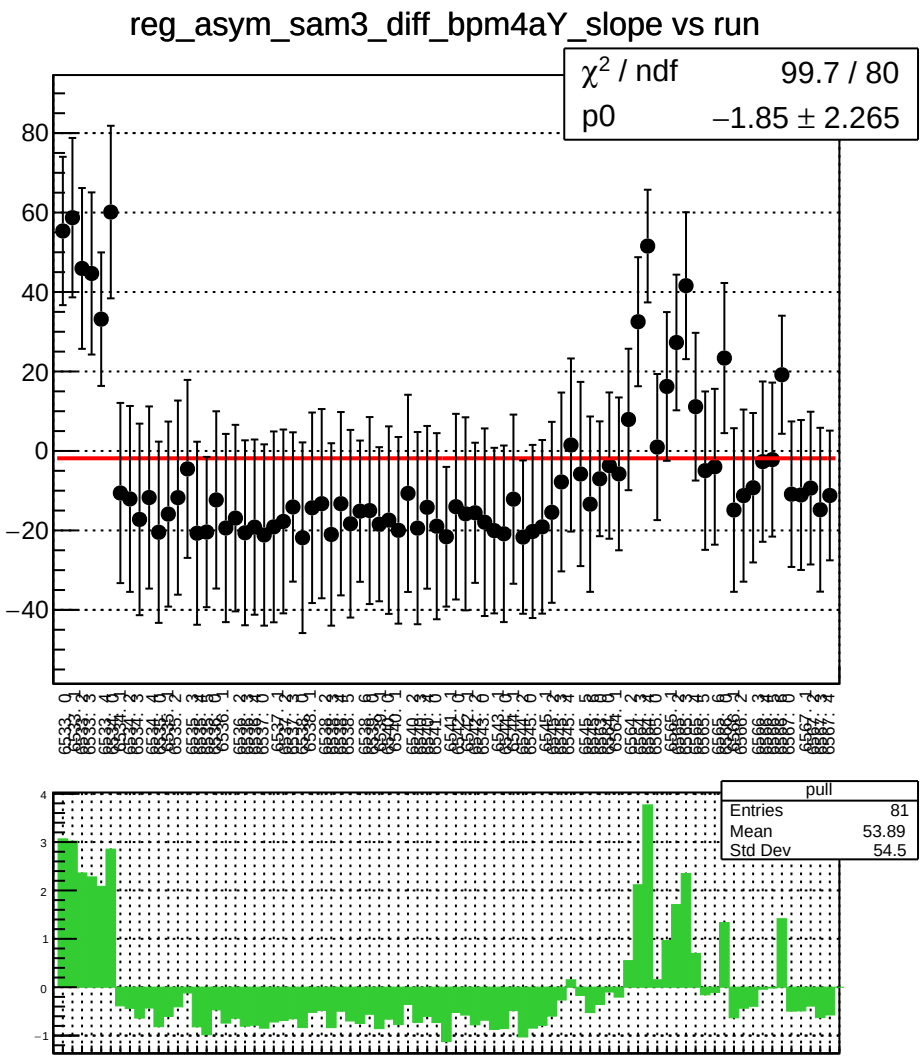

pull1D
Entries 81
Mean 0.04105
Std Dev 0.7219

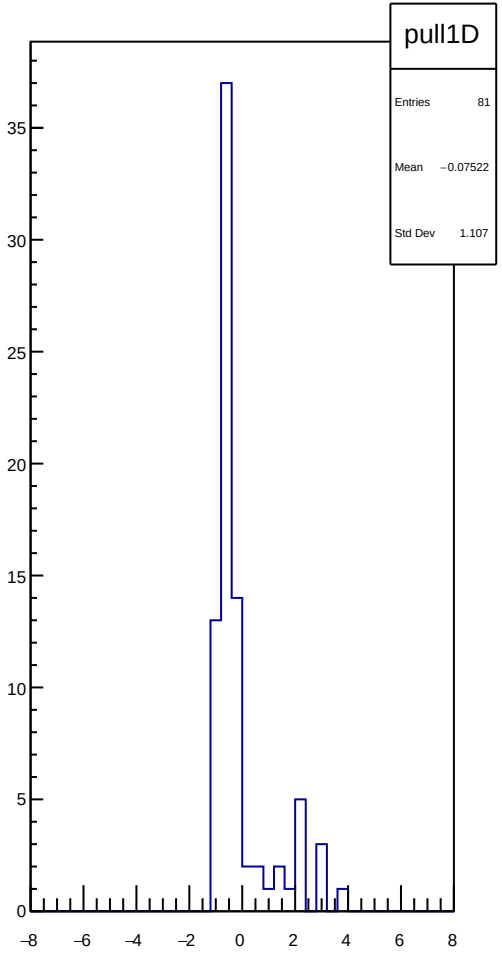

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 7.65 / 80
p0 1.445 ± 0.08586
pull
Entries 81
Mean −462.6
Std Dev 519

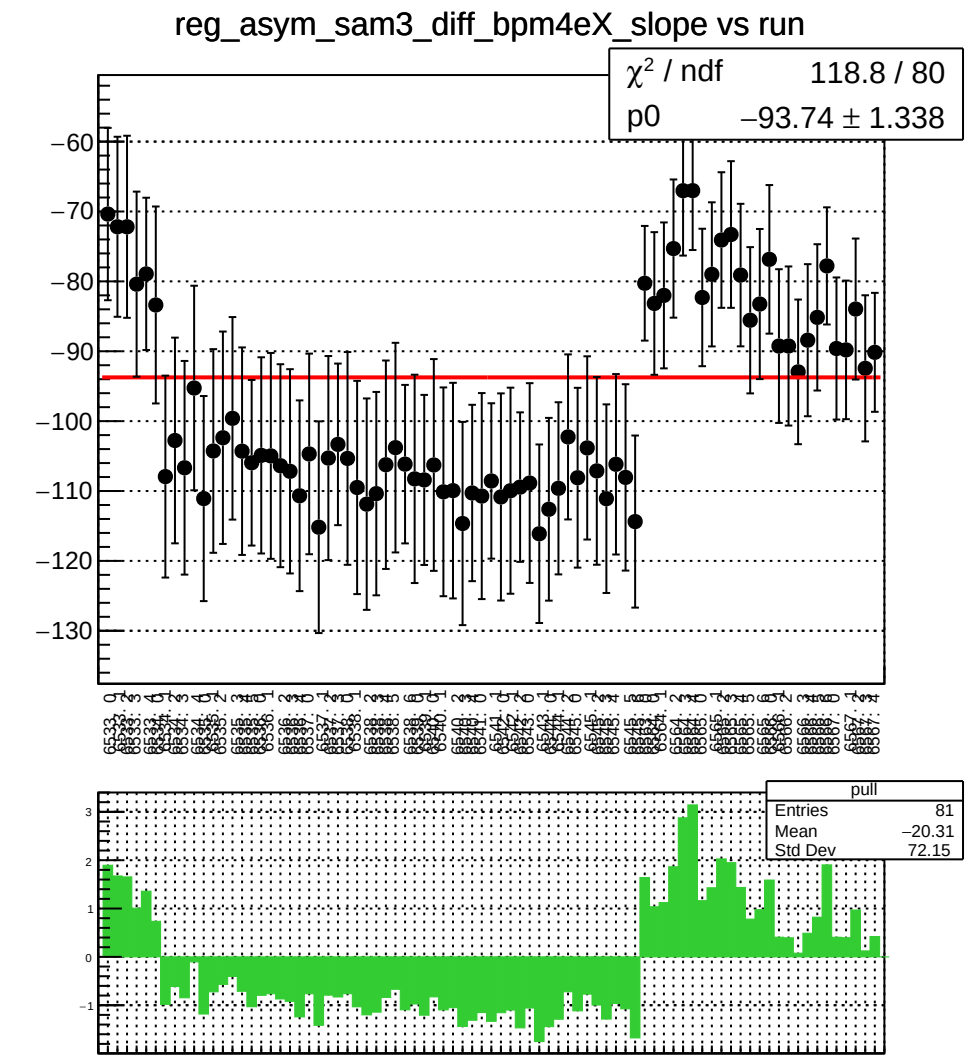

pull1D
Entries 81
Mean 0.003674
Std Dev 0.3073

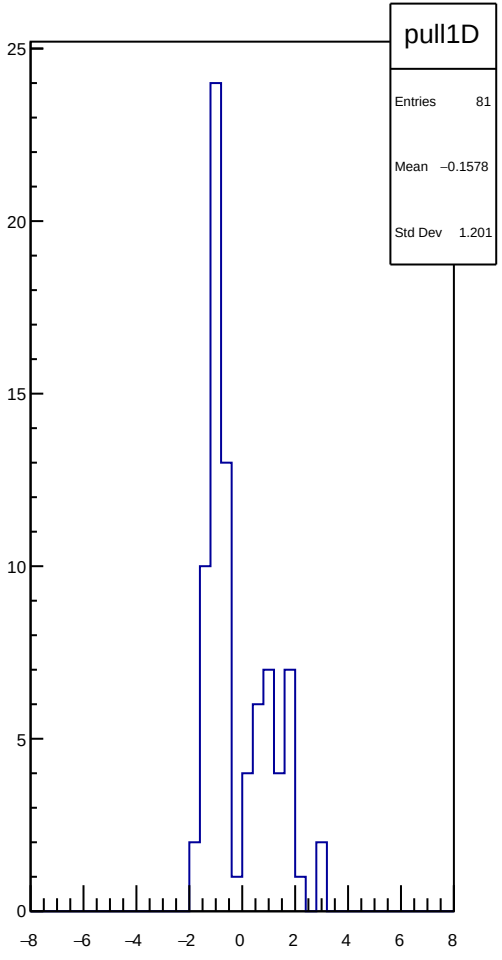

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 77.1 / 80
p0 −29.95 ± 1.238
pull
Entries 81
Mean 170.1
Std Dev 146

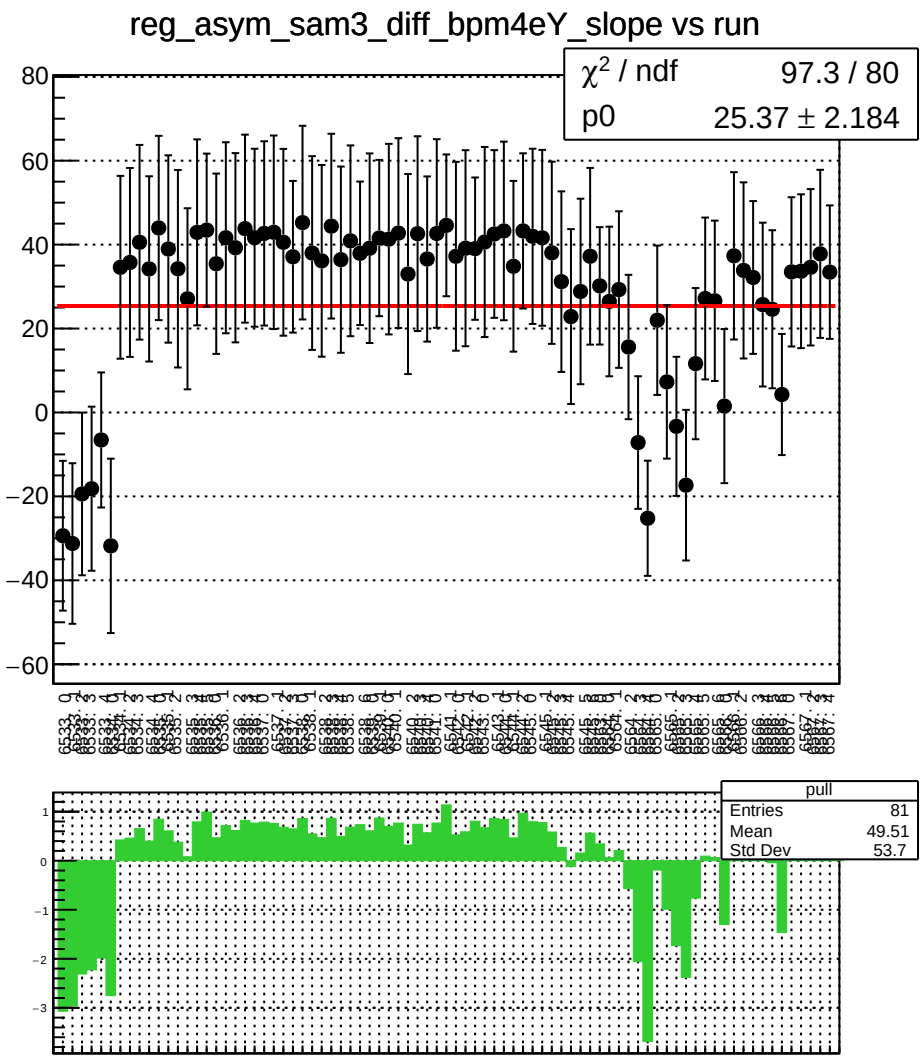

pull1D
Entries 81
Mean 0.04353
Std Dev 0.9747

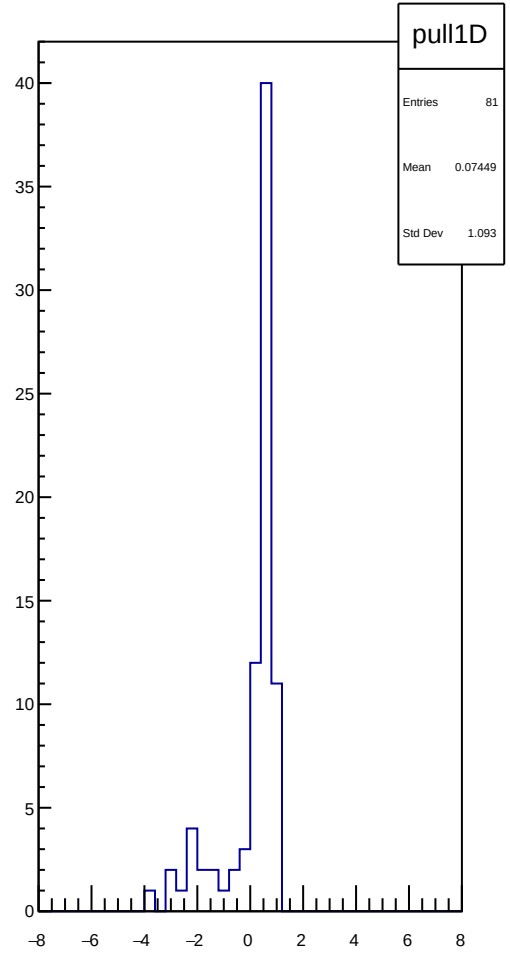

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 99.7 / 80
p0 −1.85 ± 2.265
pull
Entries 81
Mean 53.89
Std Dev 54.5

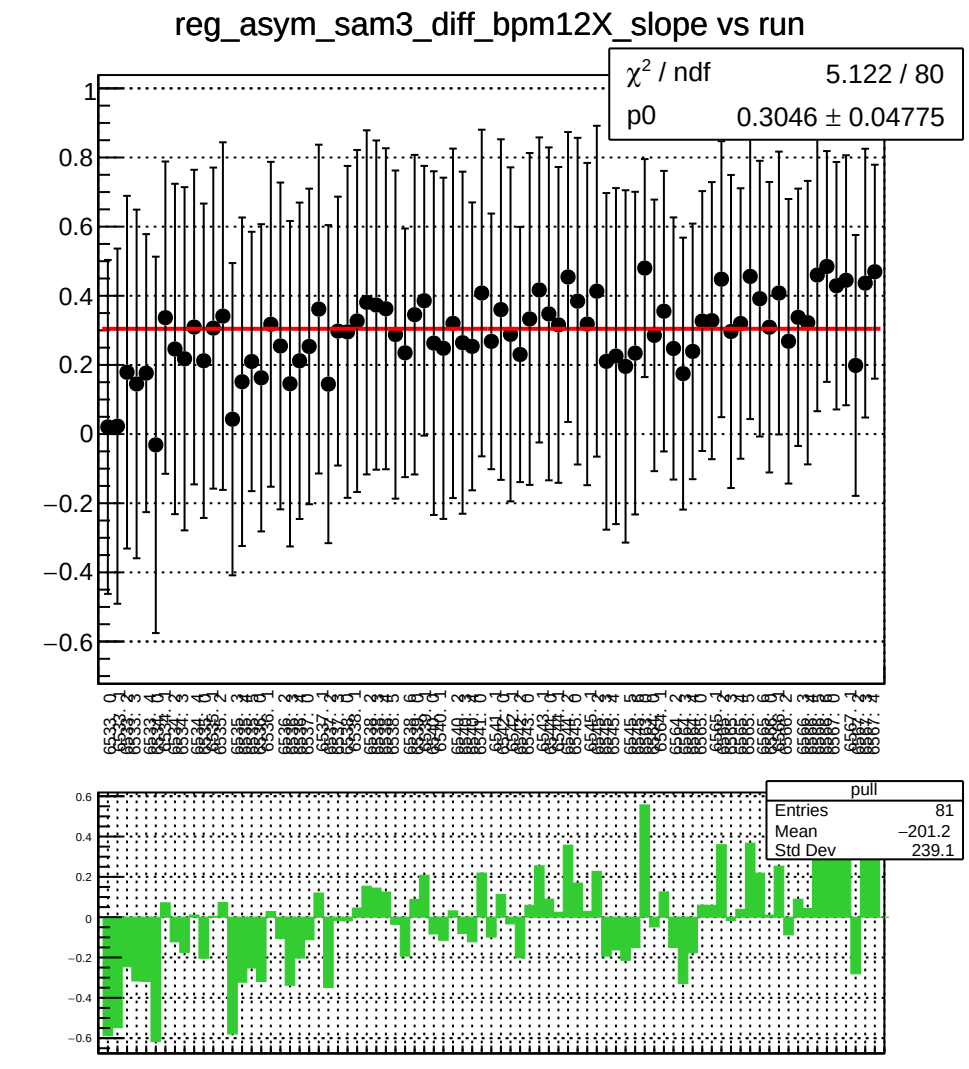

pull1D
Entries 81
Mean −0.07522
Std Dev 1.107

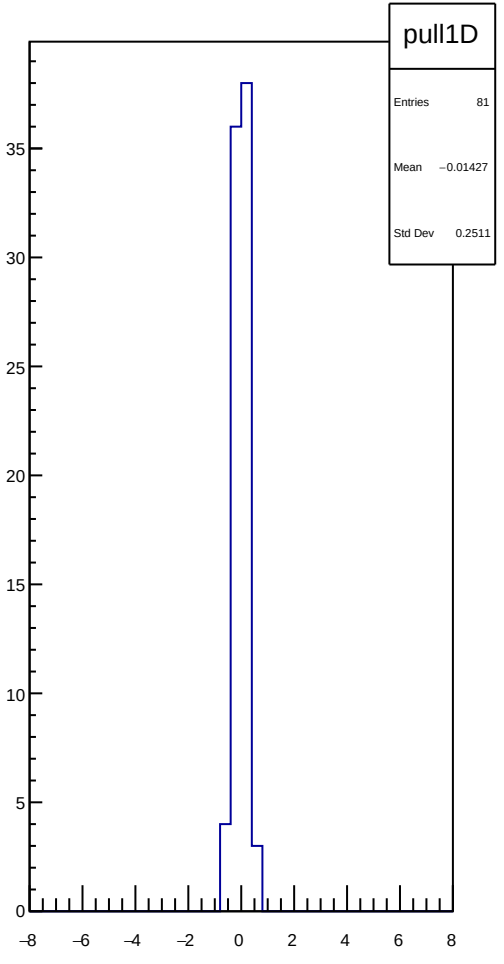

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 118.8 / 80
p0 −93.74 ± 1.338
pull
Entries 81
Mean −20.31
Std Dev 72.15

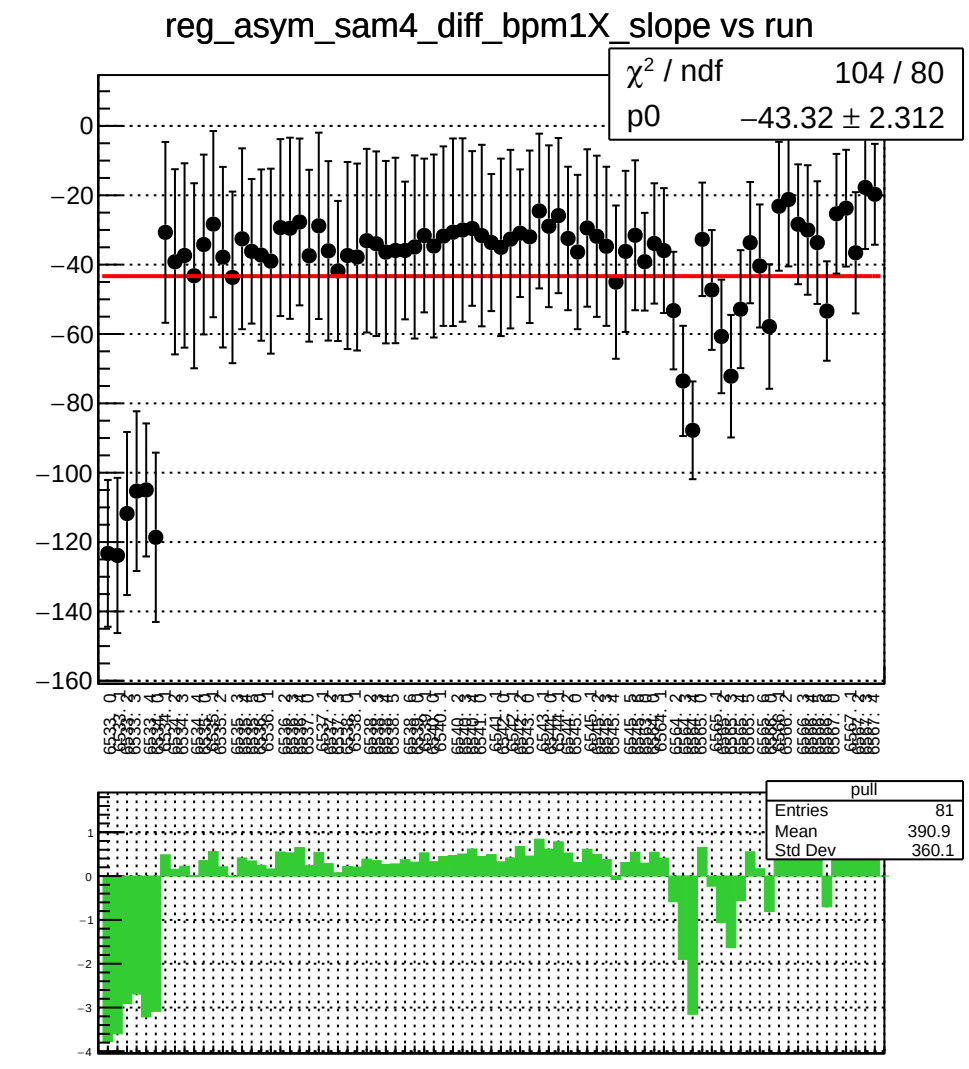

pull1D
Entries 81
Mean −0.1578
Std Dev 1.201

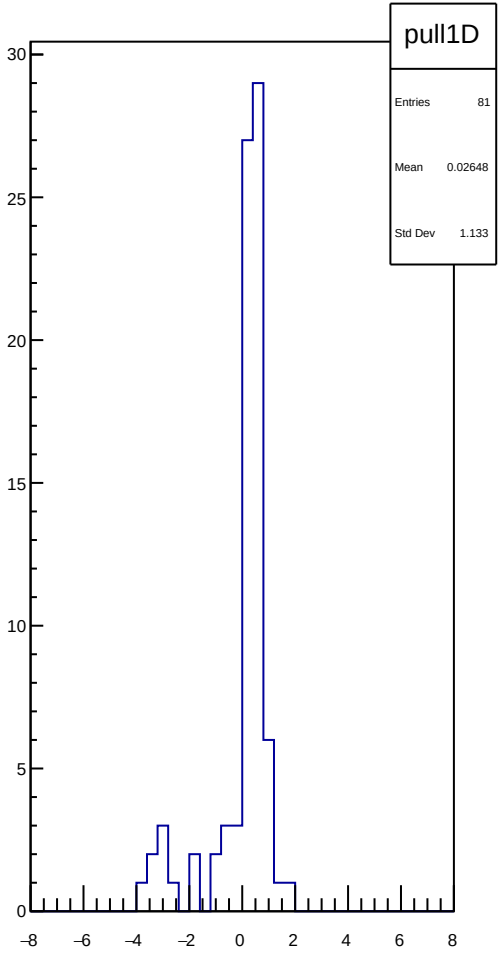

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 97.3 / 80
p0 25.37 ± 2.184
pull
Entries 81
Mean 49.51
Std Dev 53.7

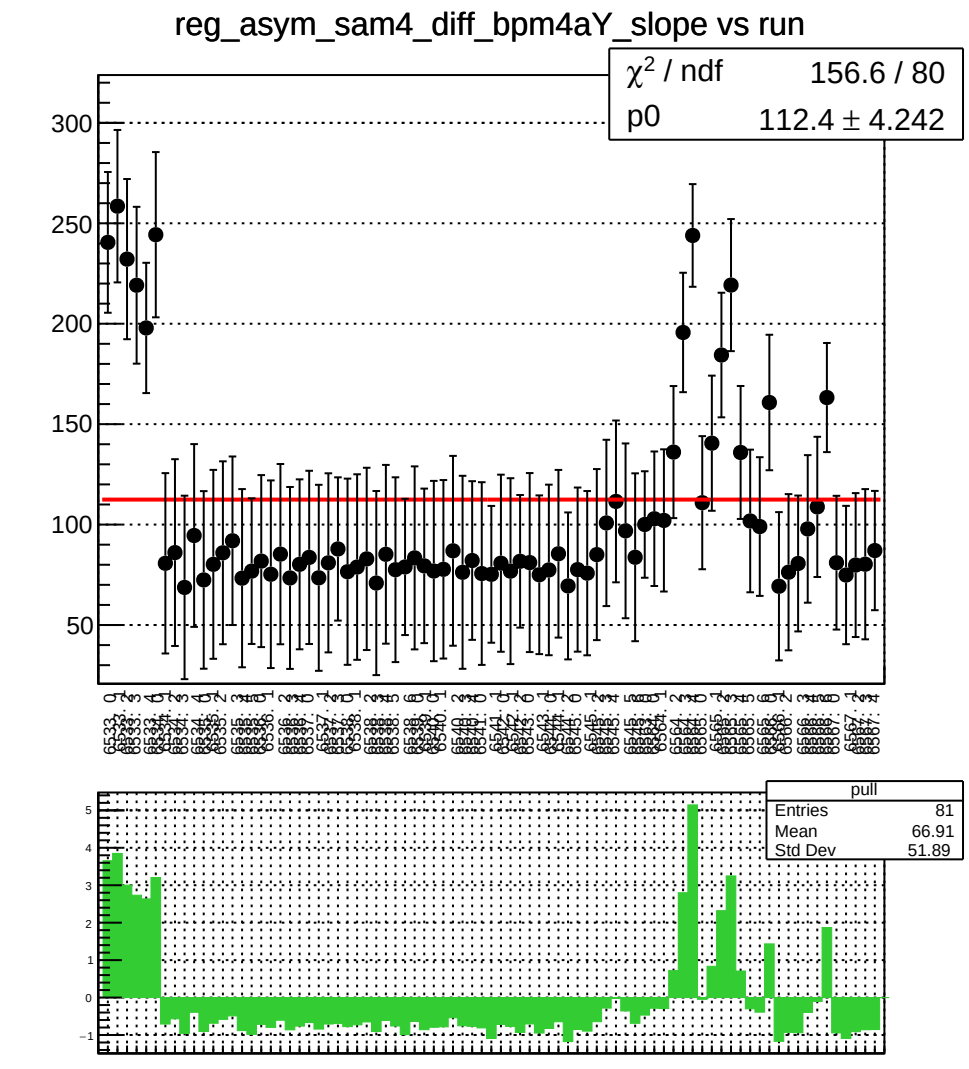

pull1D
Entries 81
Mean 0.07449
Std Dev 1.093

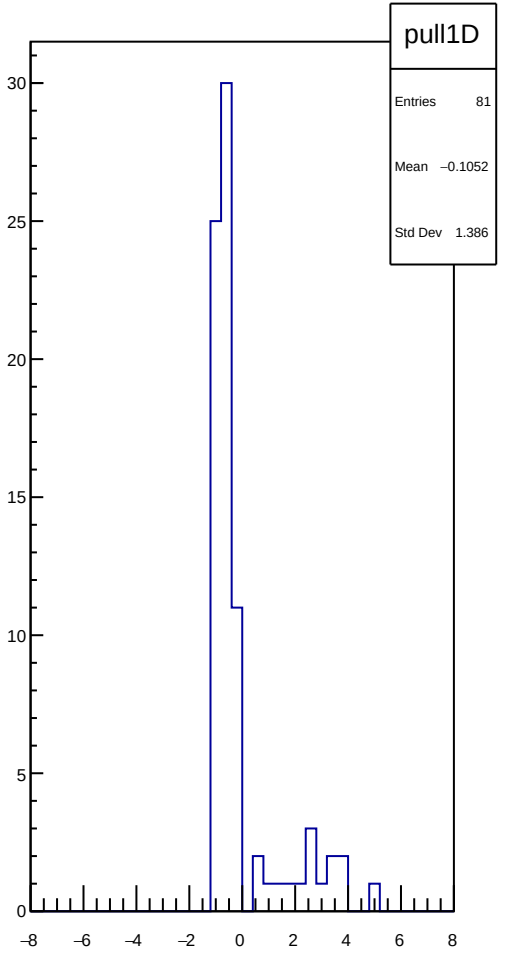

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 5.122 / 80
p0 0.3046 ± 0.04775
pull
Entries 81
Mean −201.2
Std Dev 239.1

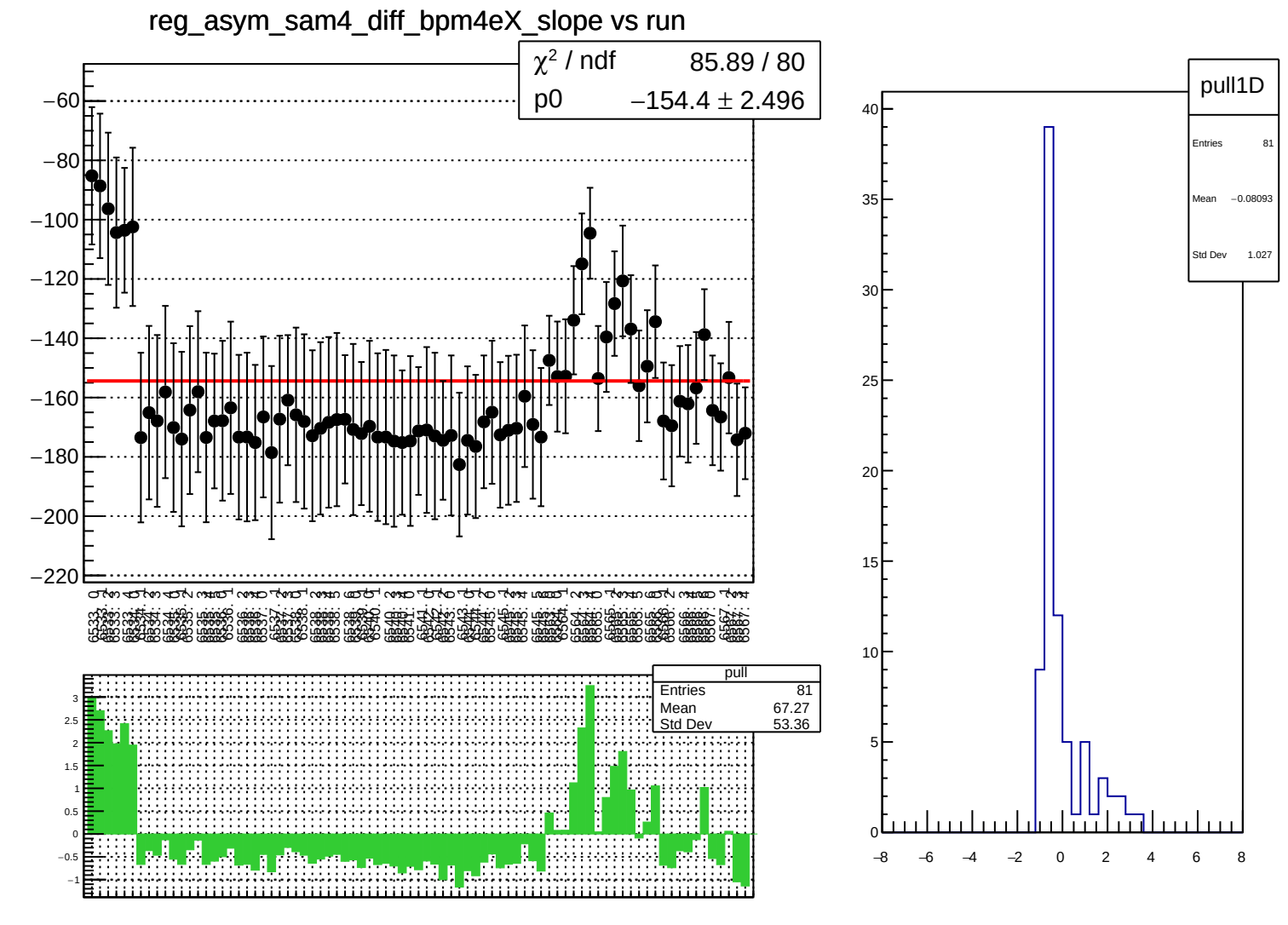

pull1D
Entries 81
Mean −0.01427
Std Dev 0.2511

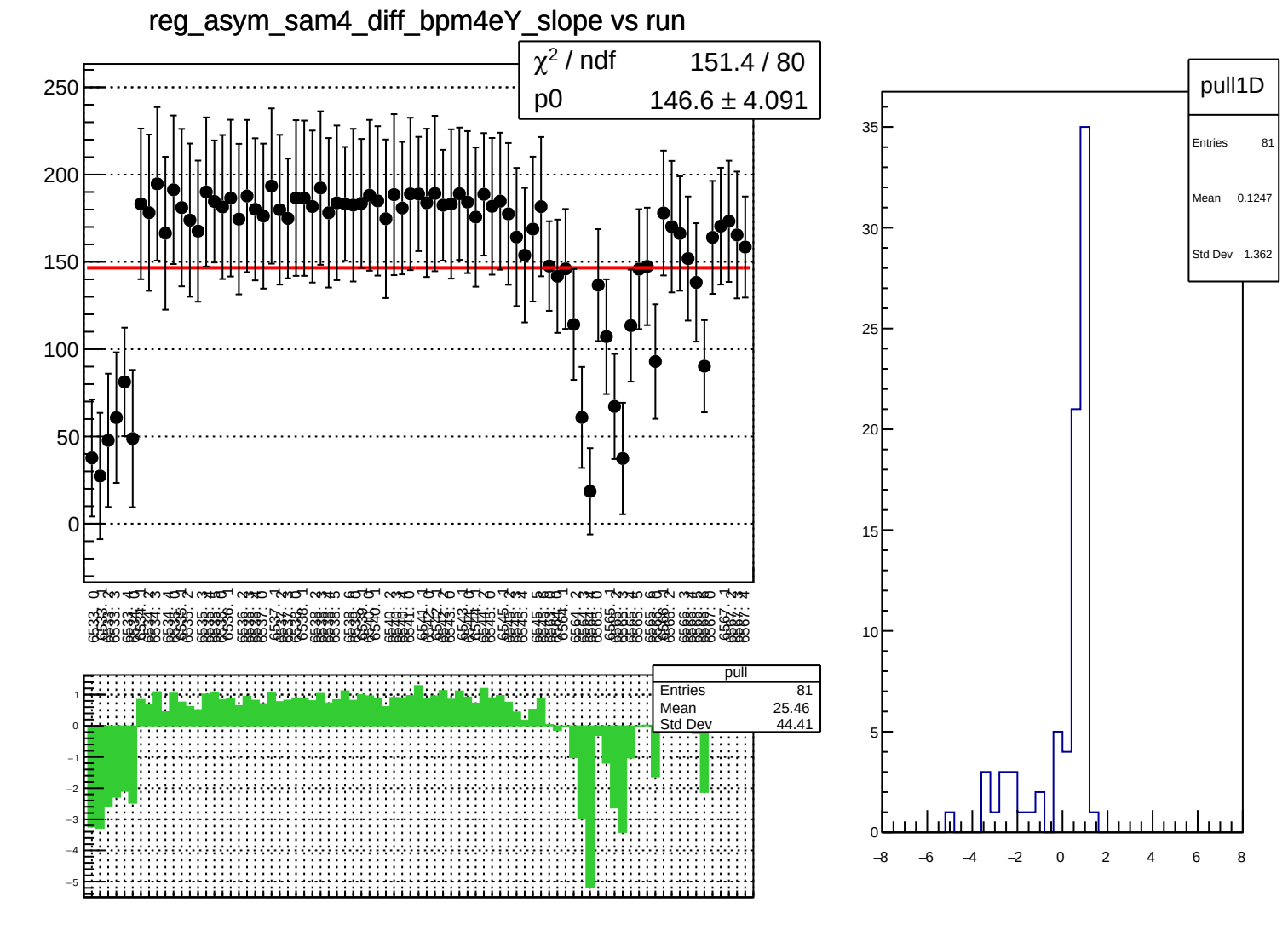

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 104 / 80
p0 −43.32 ± 2.312
pull
Entries 81
Mean 390.9
Std Dev 360.1

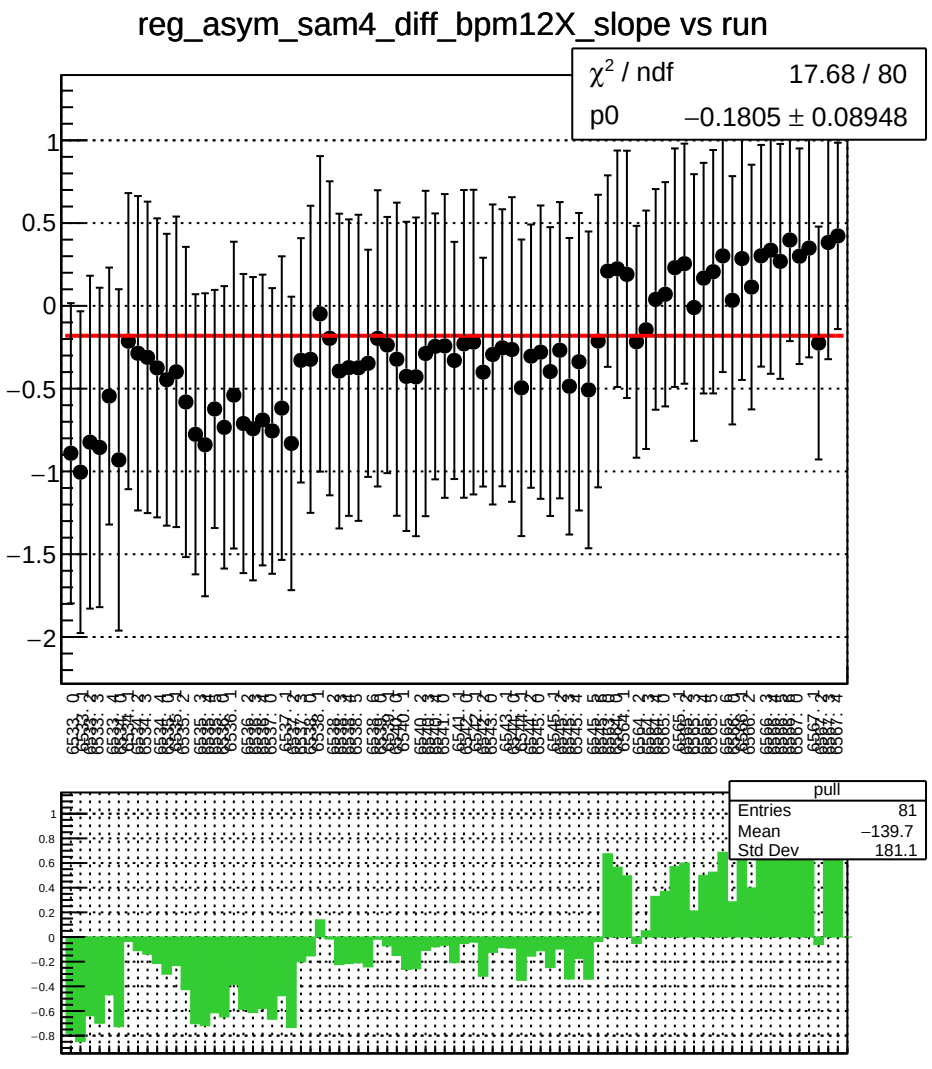

pull1D
Entries 81
Mean 0.02648
Std Dev 1.133

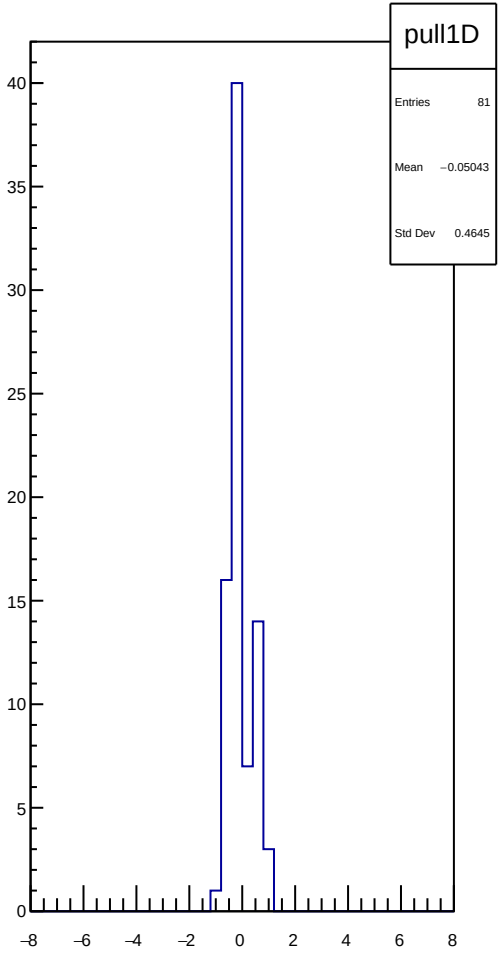

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 156.6 / 80
p0 112.4 ± 4.242
pull
Entries 81
Mean 66.91
Std Dev 51.89

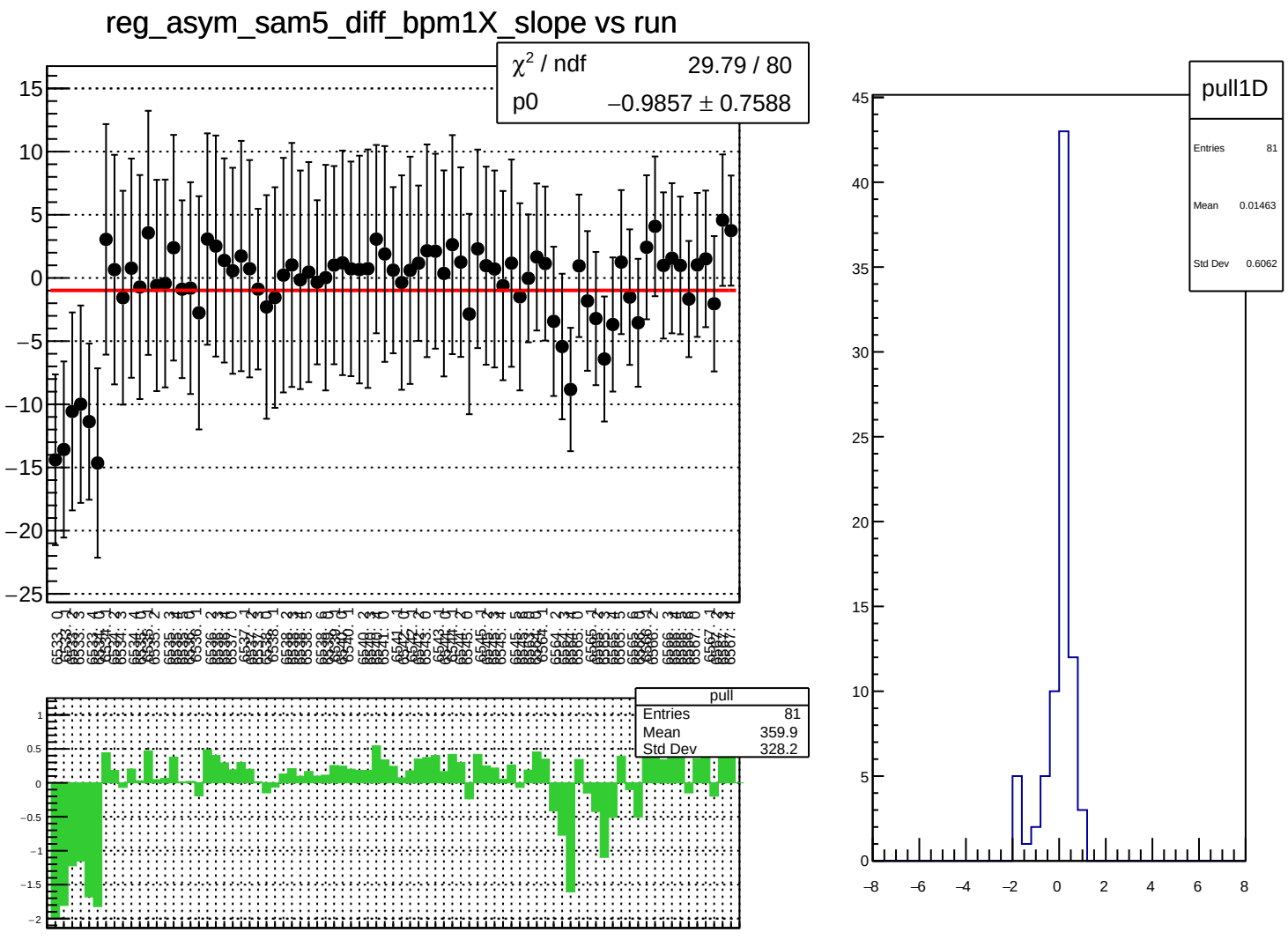

pull1D
Entries 81
Mean −0.1052
Std Dev 1.386

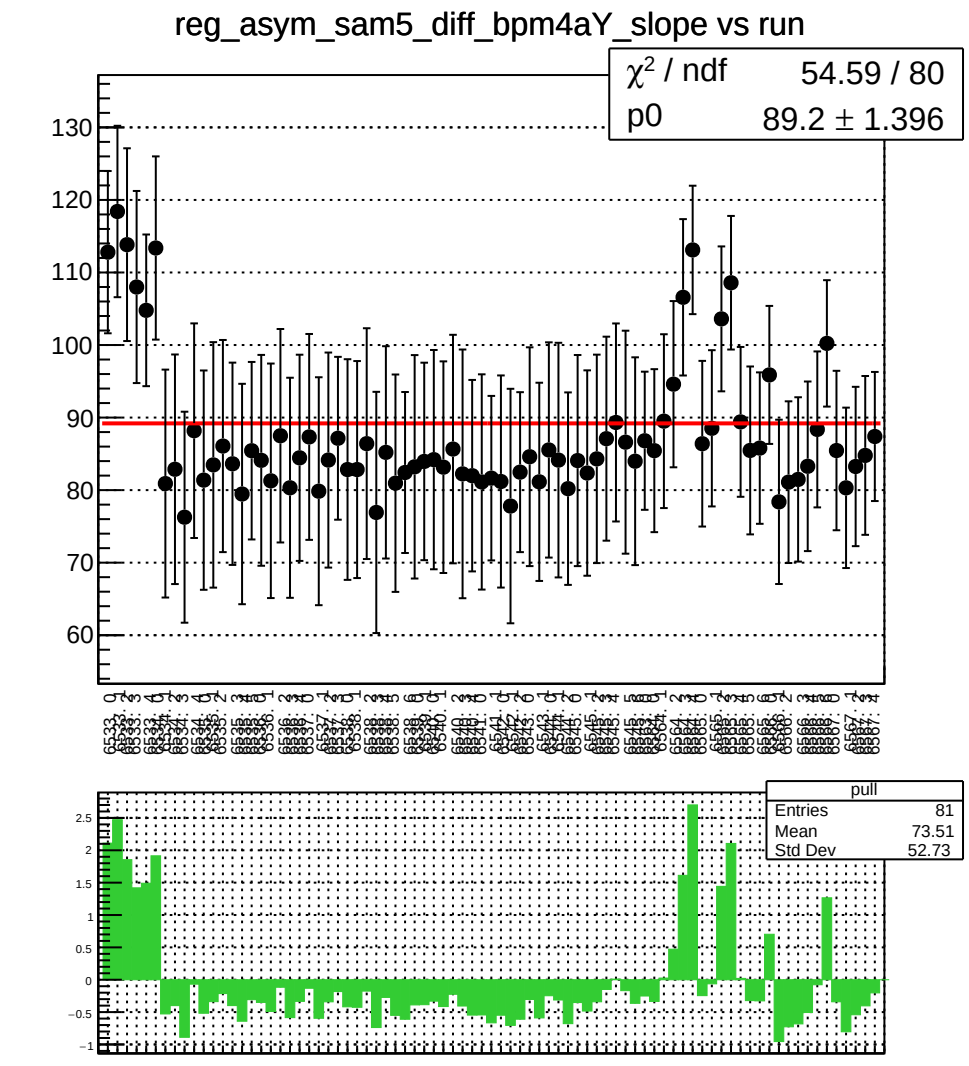

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 85.89 / 80
p0 −154.4 ± 2.496
pull
Entries 81
Mean 67.27
Std Dev 53.36
pull1D
Entries 81
Mean −0.08093
Std Dev 1.027

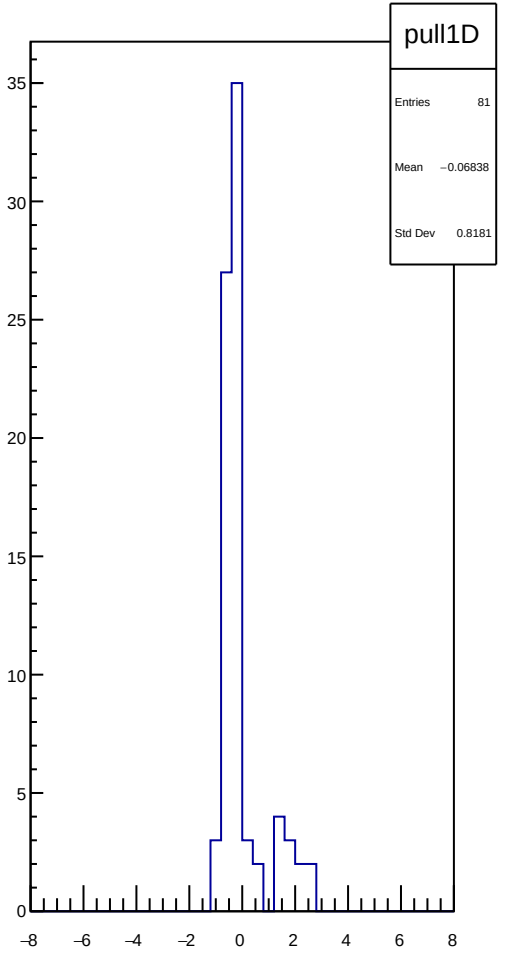

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 151.4 / 80
p0 146.6 ± 4.091
pull
Entries 81
Mean 25.46
Std Dev 44.41
pull1D
Entries 81
Mean 0.1247
Std Dev 1.362

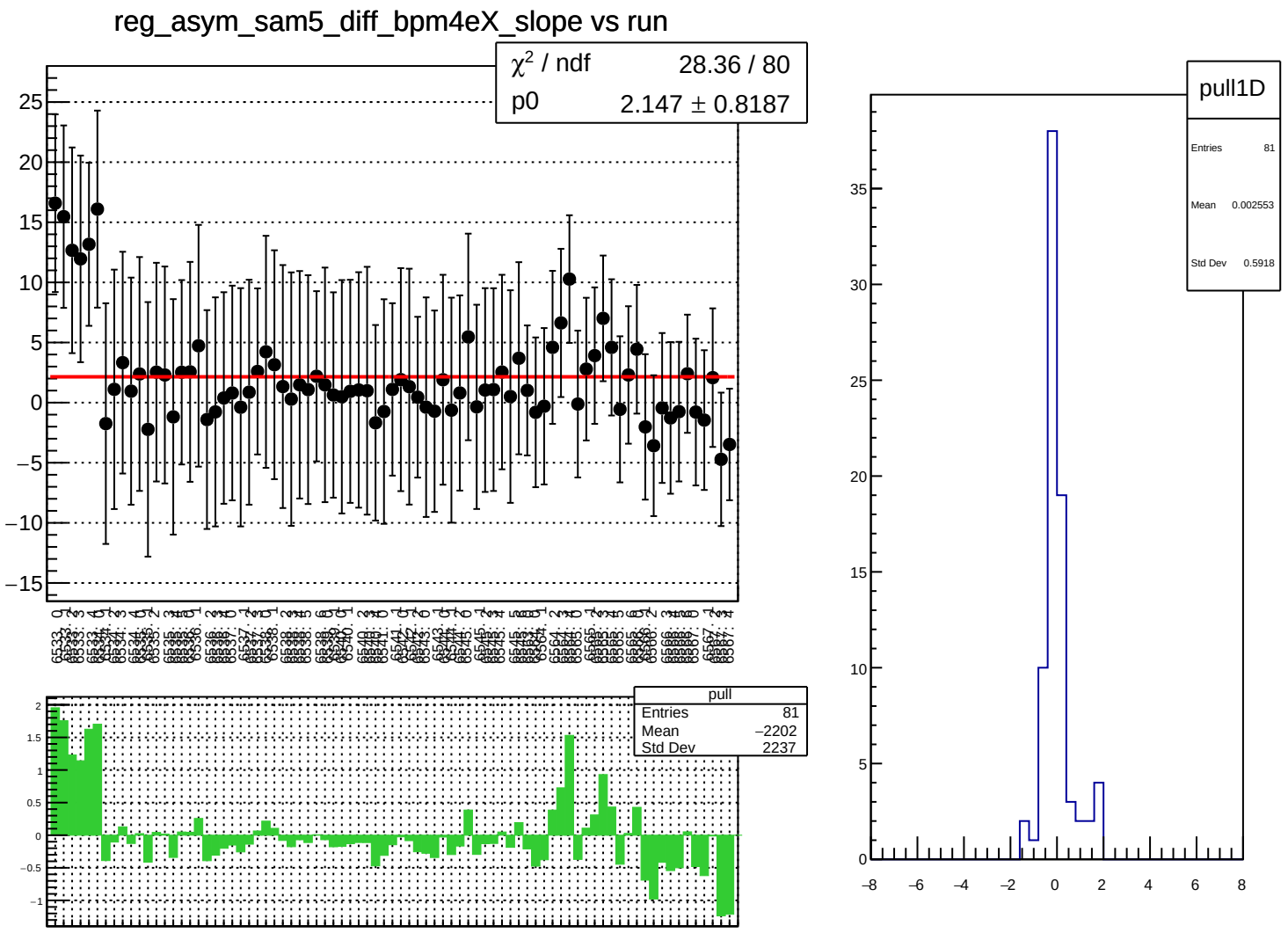

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 17.68 / 80
p0 −0.1805 ± 0.08948
pull
Entries 81
Mean −139.7
Std Dev 181.1

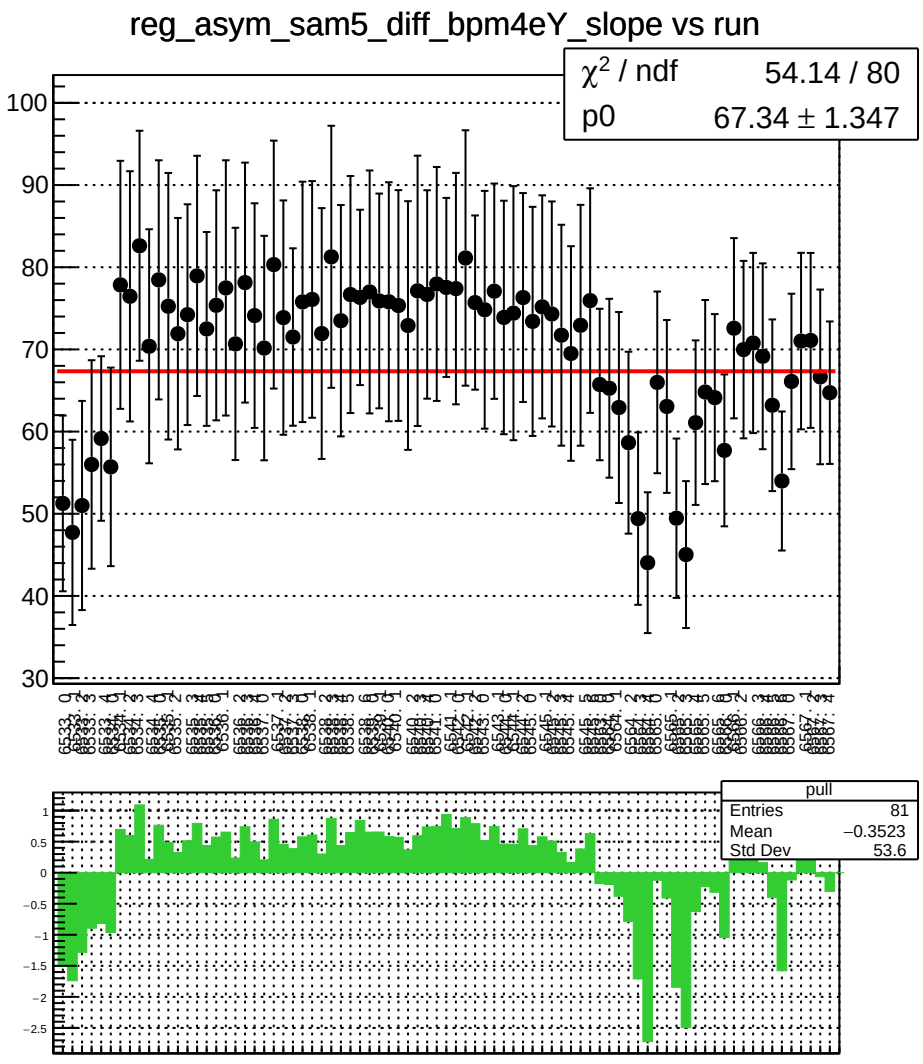

pull1D
Entries 81
Mean −0.05043
Std Dev 0.4645

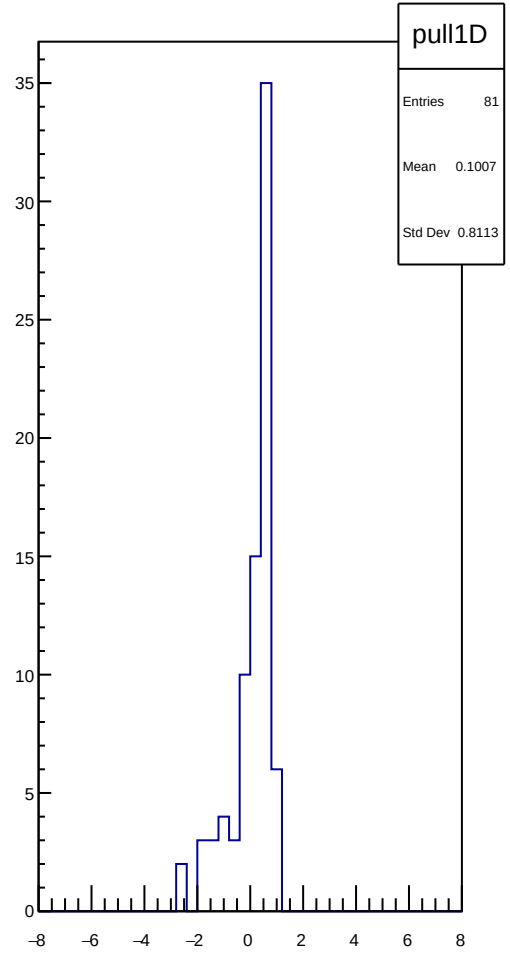

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 29.79 / 80
p0 −0.9857 ± 0.7588
pull
Entries 81
Mean 359.9
Std Dev 328.2
pull1D
Entries 81
Mean 0.01463
Std Dev 0.6062

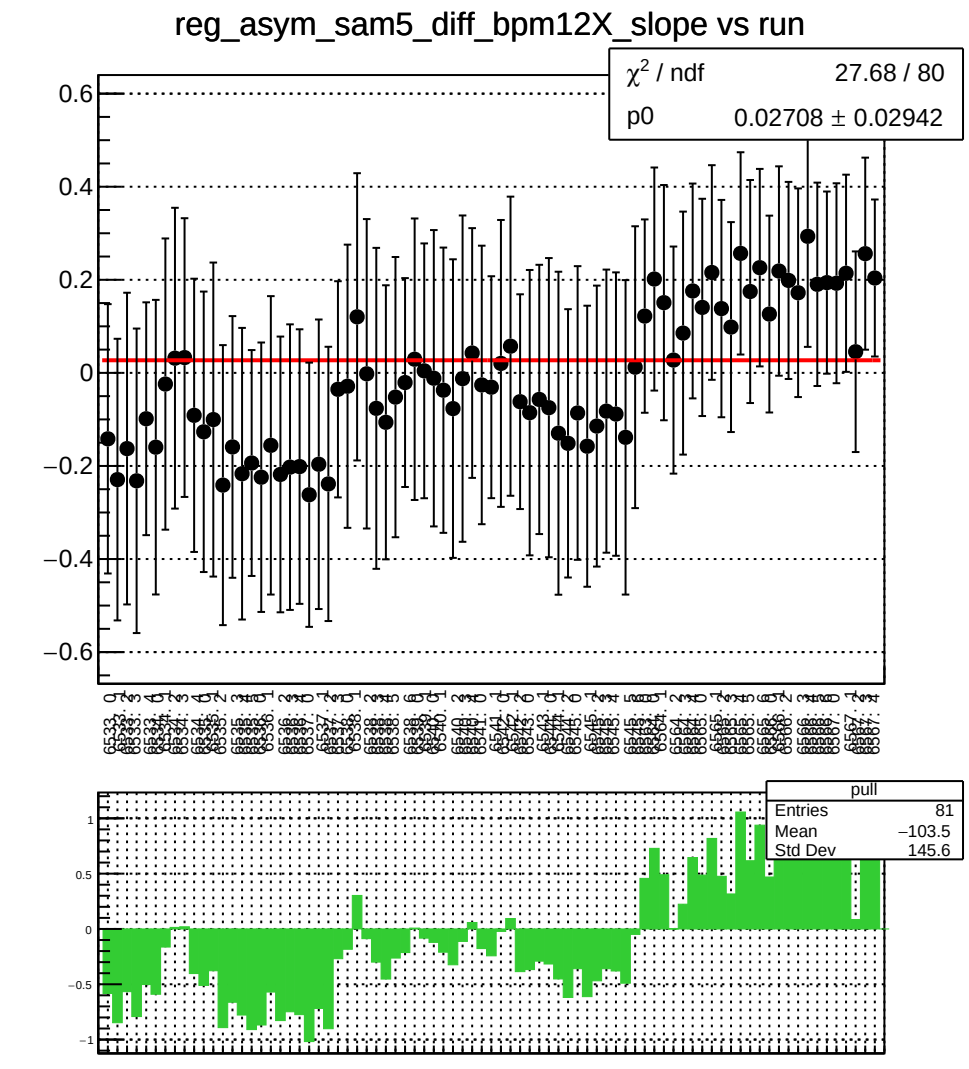

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 54.59 / 80
p0 89.2 ± 1.396
pull
Entries 81
Mean 73.51
Std Dev 52.73

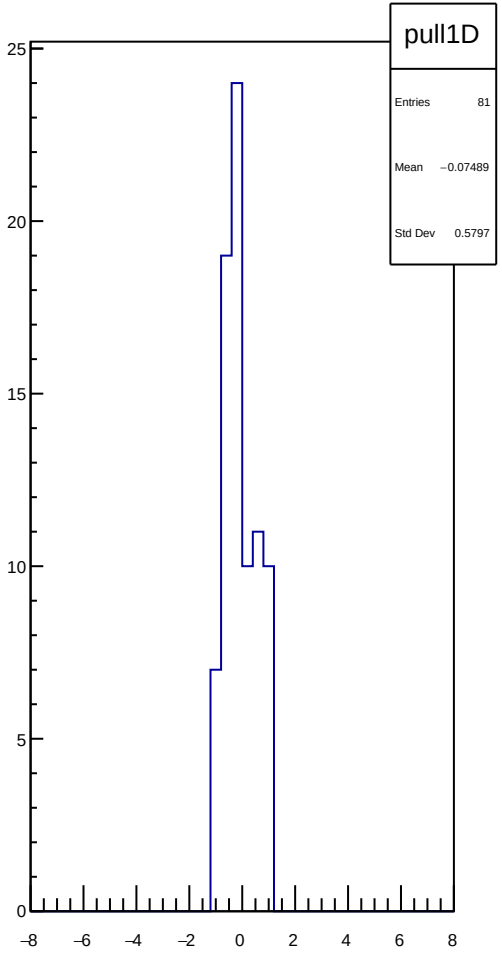

pull1D
Entries 81
Mean −0.06838
Std Dev 0.8181

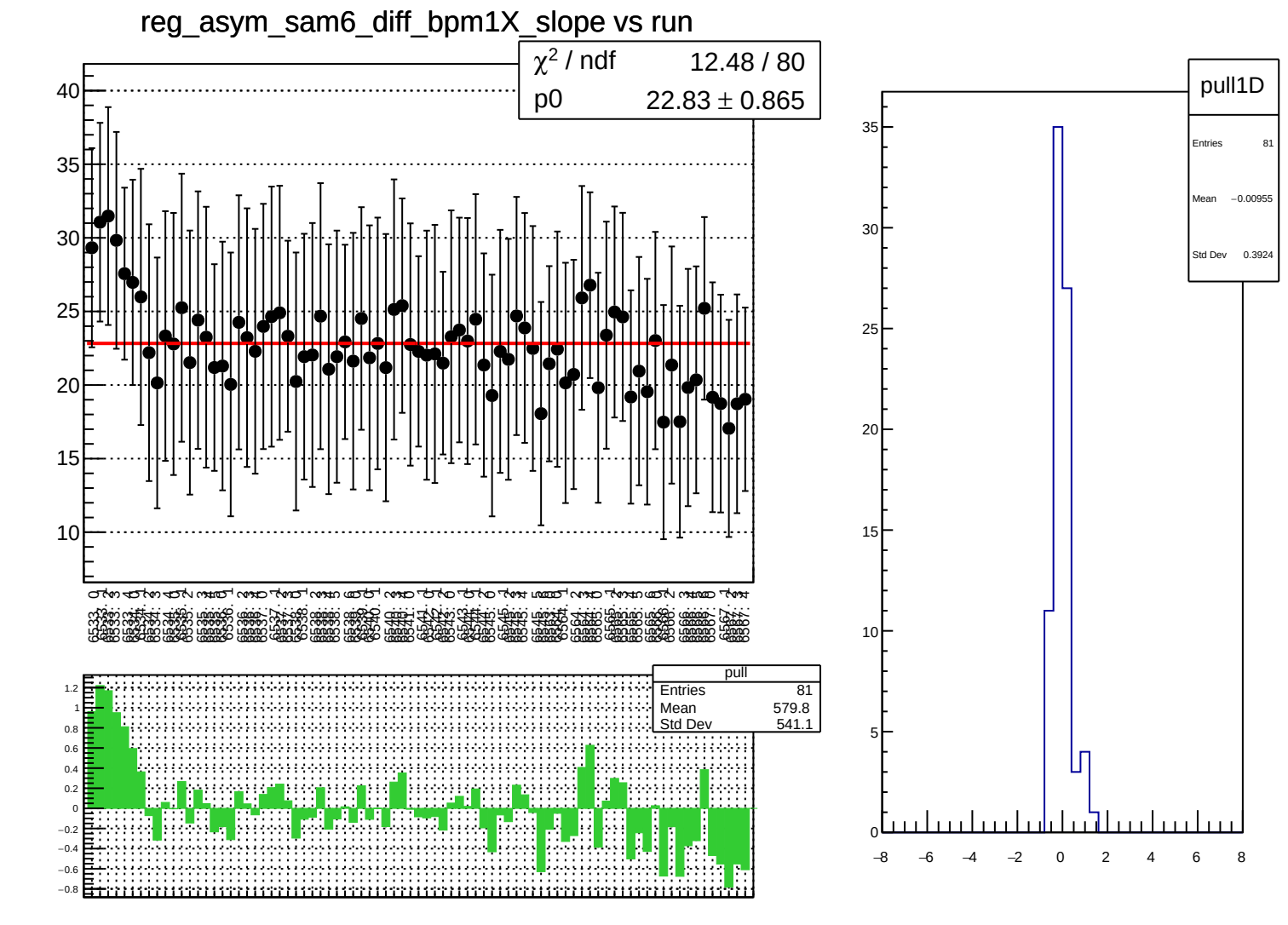

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 28.36 / 80
p0 2.147 ± 0.8187
pull
Entries 81
Mean −2202
Std Dev 2237
pull1D
Entries 81
Mean 0.002553
Std Dev 0.5918

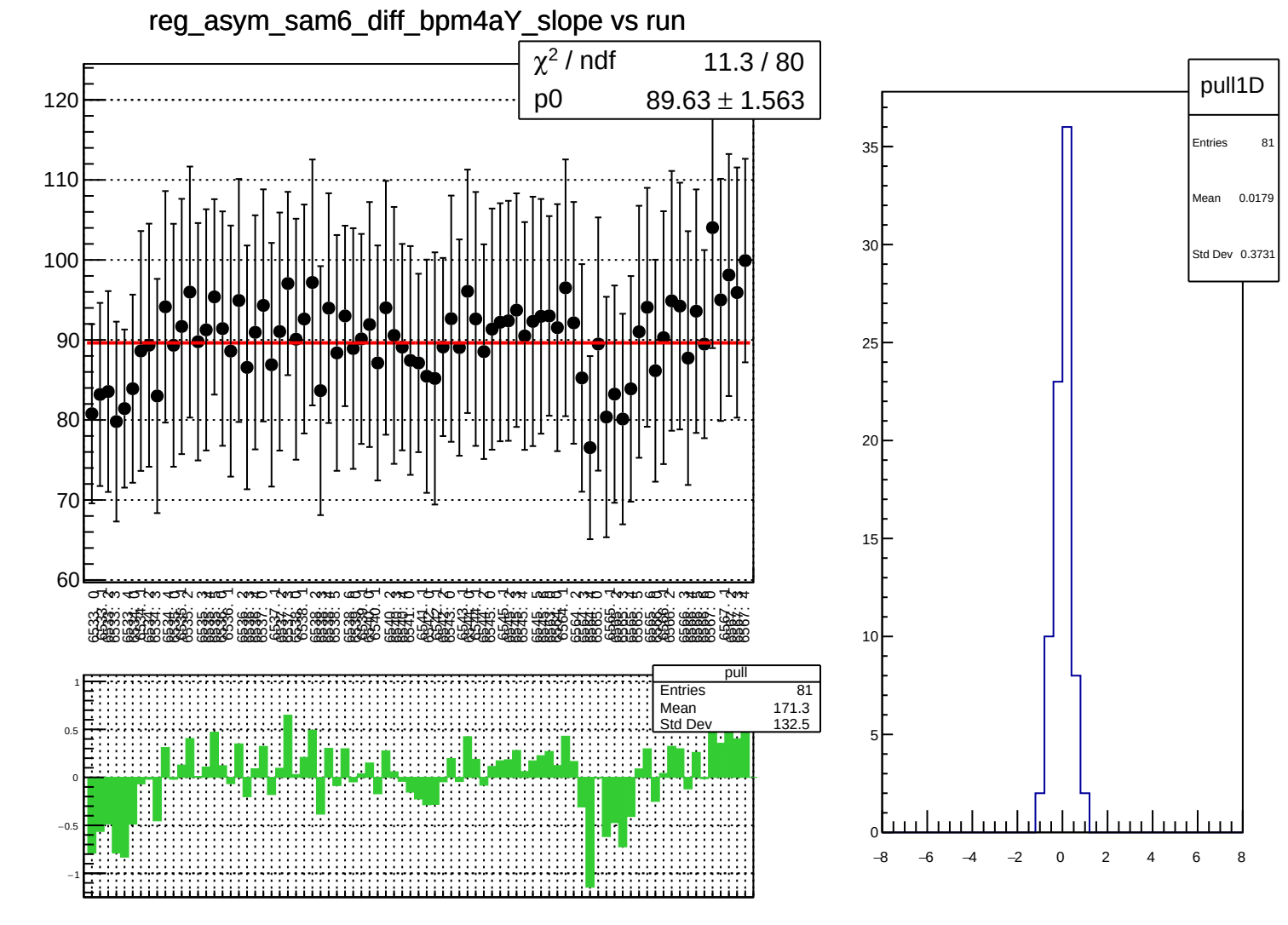

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 54.14 / 80
p0 67.34 ± 1.347
pull
Entries 81
Mean −0.3523
Std Dev 53.6

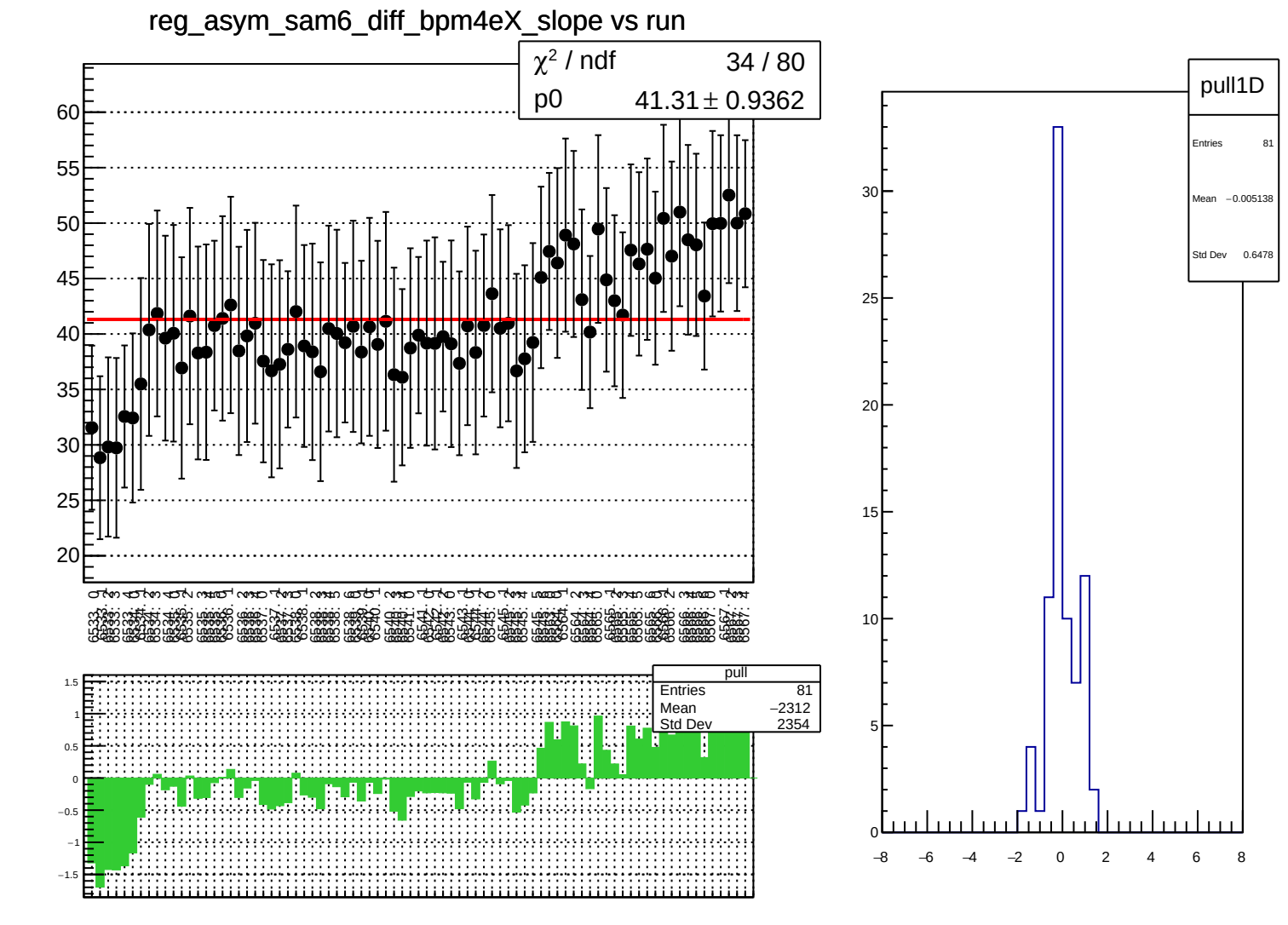

pull1D
Entries 81
Mean 0.1007
Std Dev 0.8113

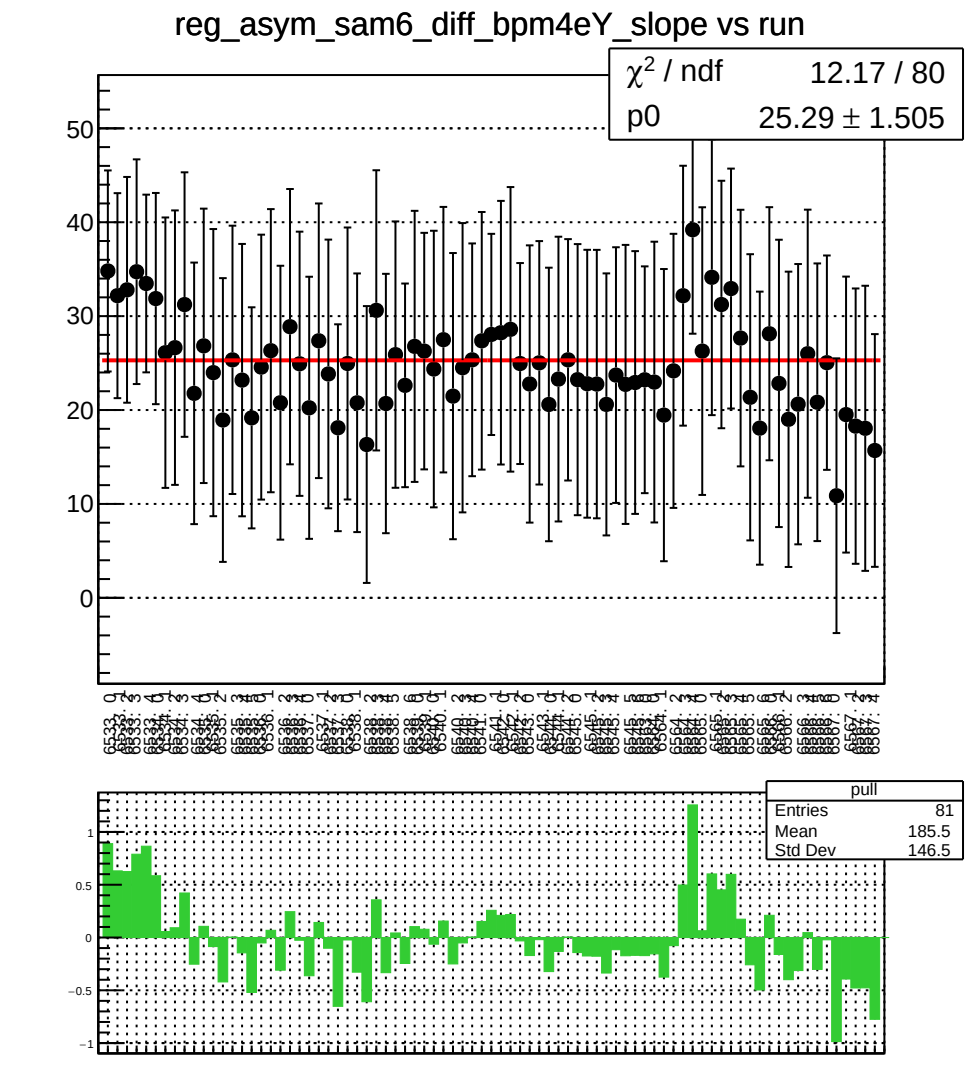

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 27.68 / 80
p0 0.02708 ± 0.02942
pull
Entries 81
Mean −103.5
Std Dev 145.6

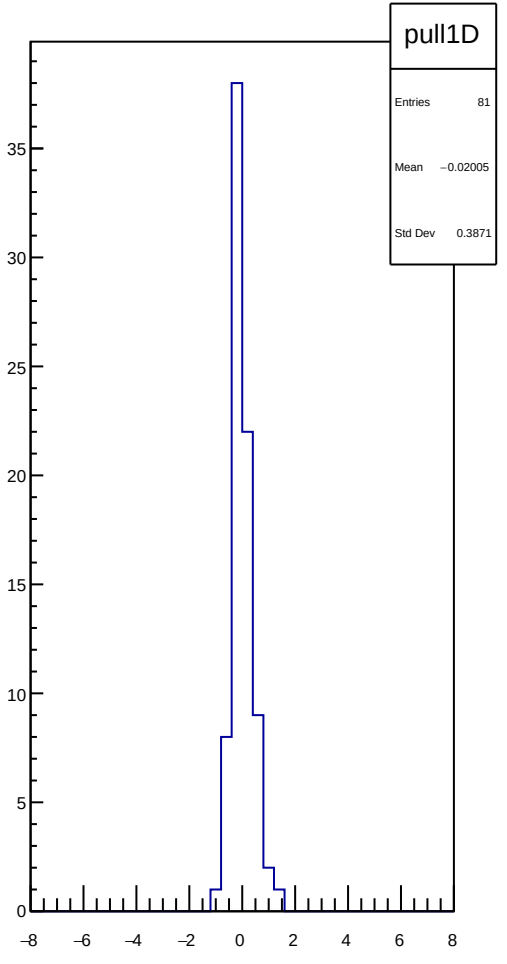

pull1D
Entries 81
Mean −0.07489
Std Dev 0.5797

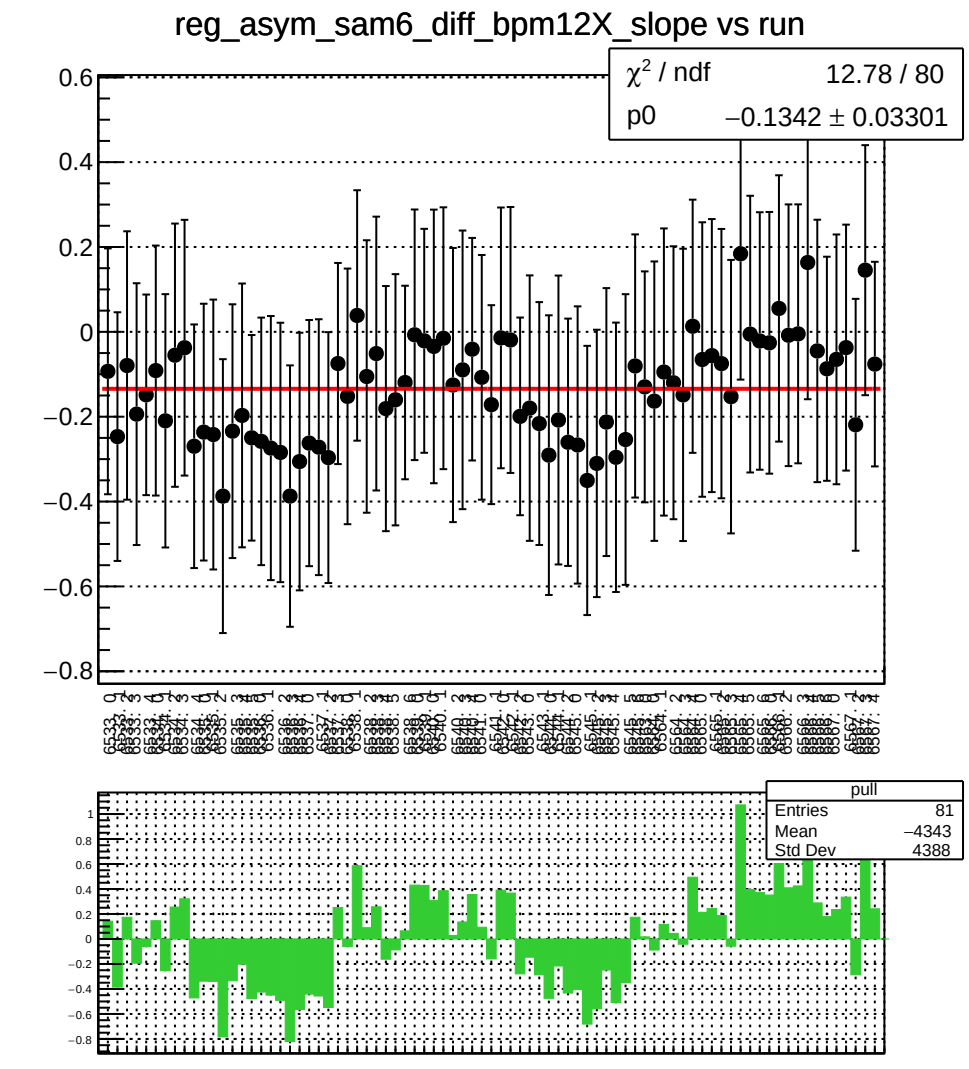

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 12.48 / 80
p0 22.83 ± 0.865
pull
Entries 81
Mean 579.8
Std Dev 541.1
pull1D
Entries 81
Mean −0.00955
Std Dev 0.3924

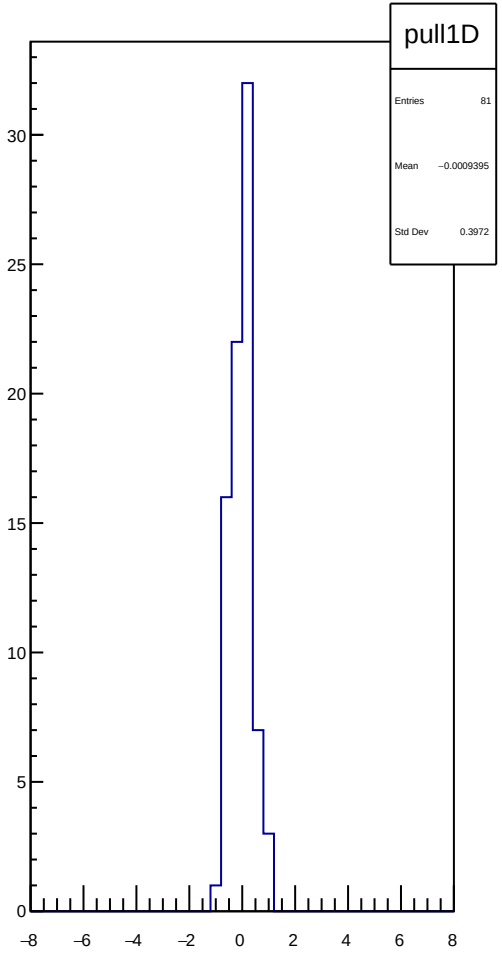

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 11.3 / 80
p0 89.63 ± 1.563
pull
Entries 81
Mean 171.3
Std Dev 132.5
pull1D
Entries 81
Mean 0.0179
Std Dev 0.3731

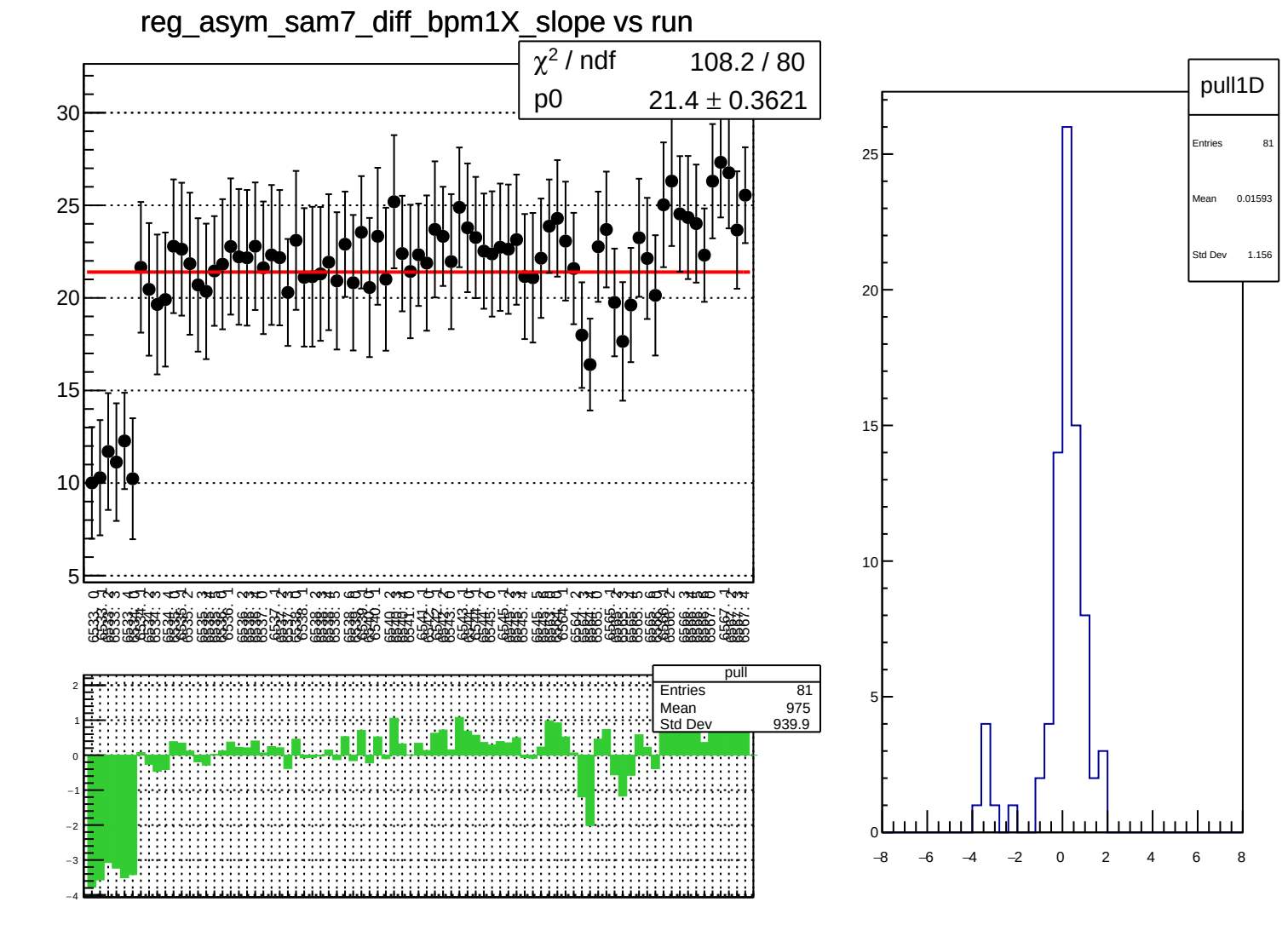

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 34 / 80
p0 41.31 ± 0.9362
pull
Entries 81
Mean −2312
Std Dev 2354
pull1D
Entries 81
Mean −0.005138
Std Dev 0.6478

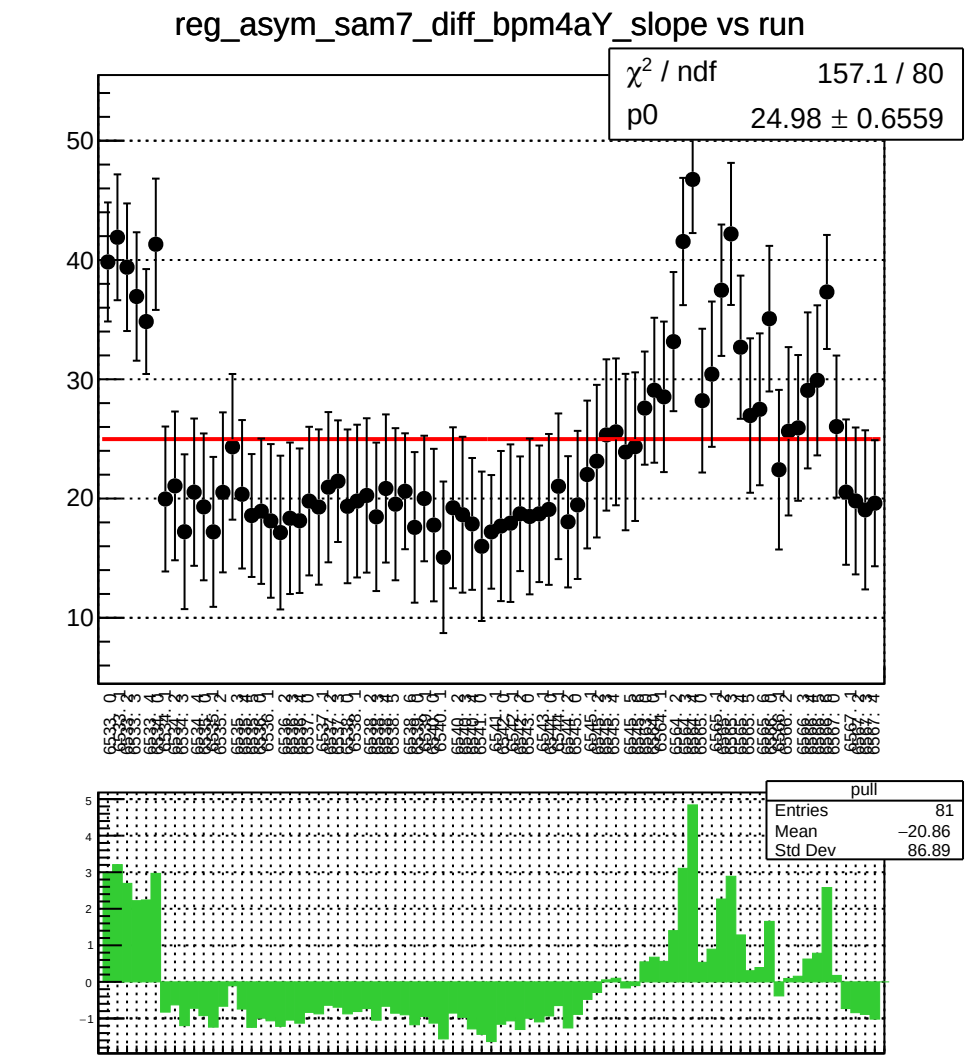

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 12.17 / 80
p0 25.29 ± 1.505
pull
Entries 81
Mean 185.5
Std Dev 146.5

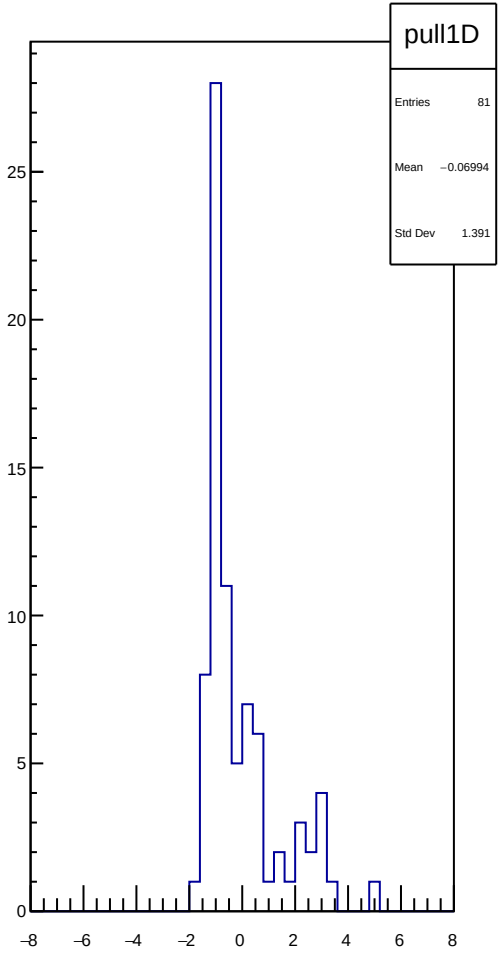

pull1D
Entries 81
Mean −0.02005
Std Dev 0.3871

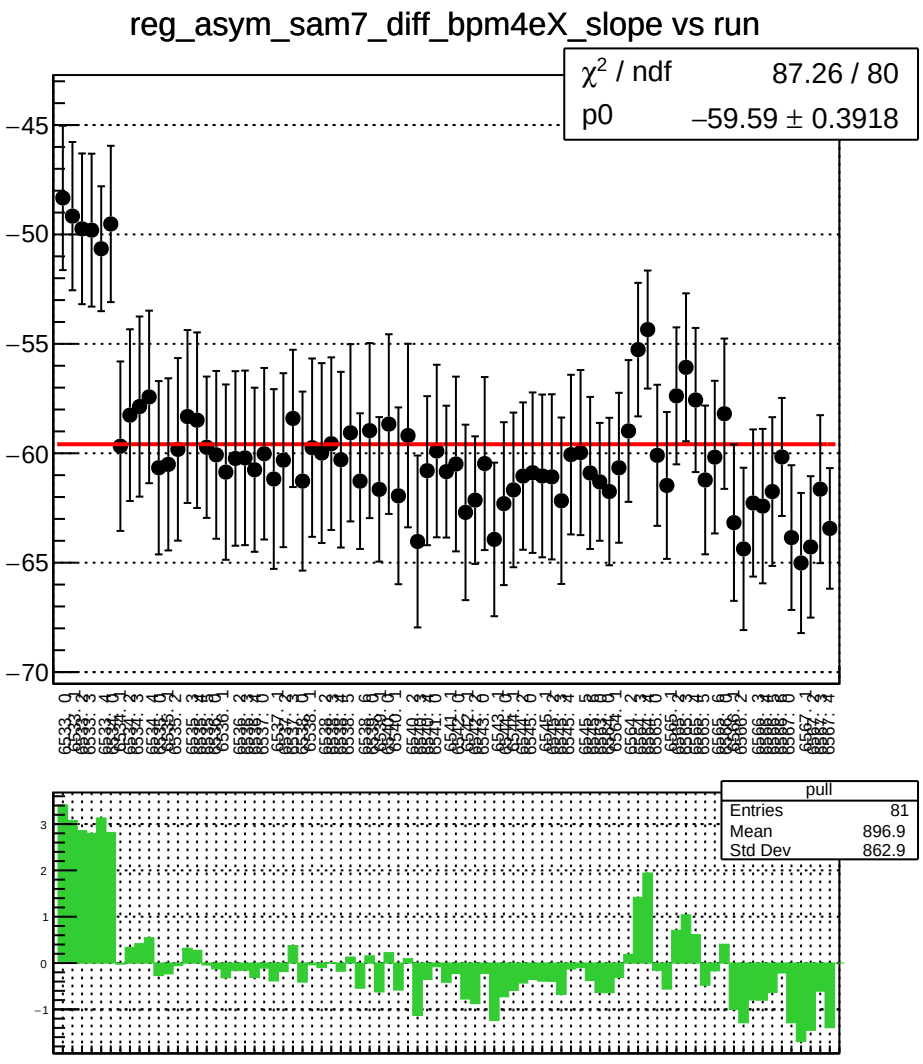

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 12.78 / 80
p0 −0.1342 ± 0.03301
pull
Entries 81
Mean −4343
Std Dev 4388

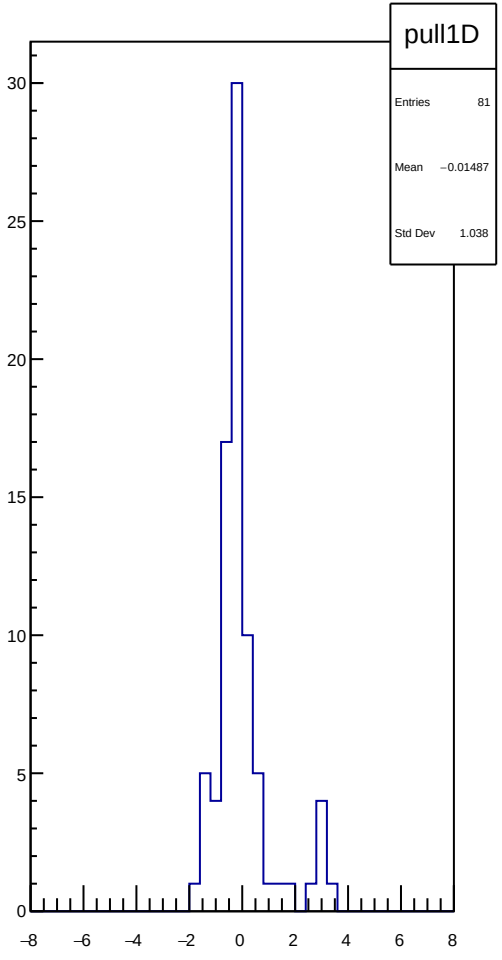

pull1D
Entries 81
Mean −0.0009395
Std Dev 0.3972

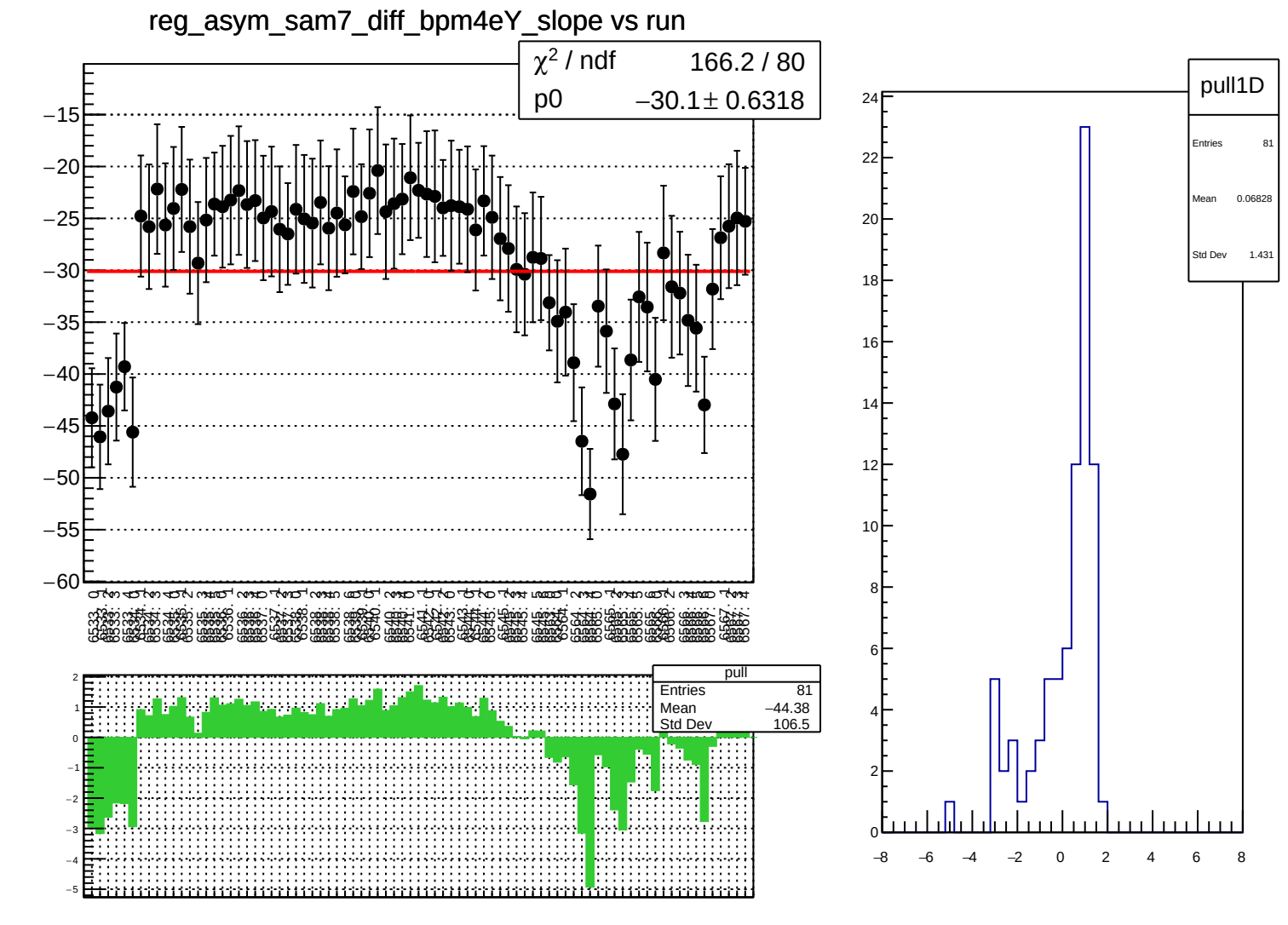

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 108.2 / 80
p0 21.4 ± 0.3621
pull
Entries 81
Mean 975
Std Dev 939.9
pull1D
Entries 81
Mean 0.01593
Std Dev 1.156

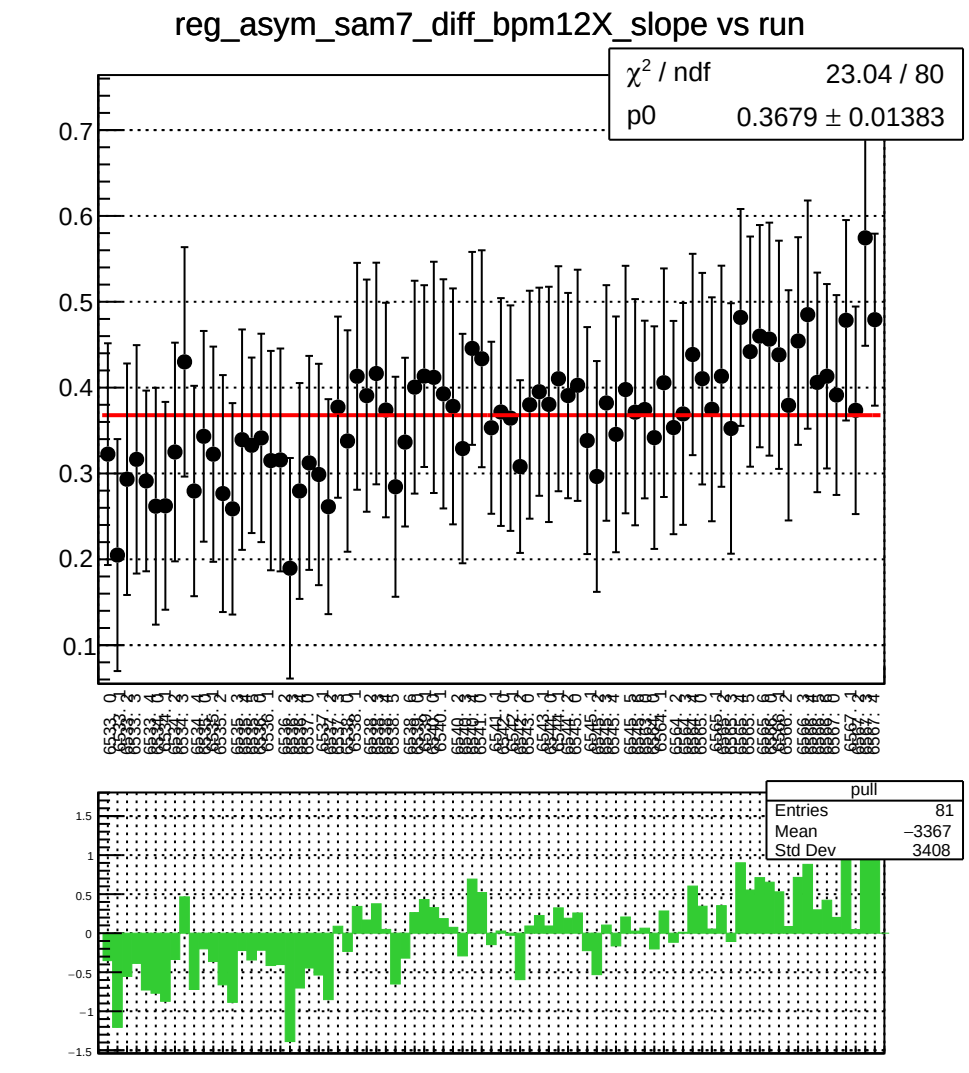

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 157.1 / 80
p0 24.98 ± 0.6559
pull
Entries 81
Mean −20.86
Std Dev 86.89

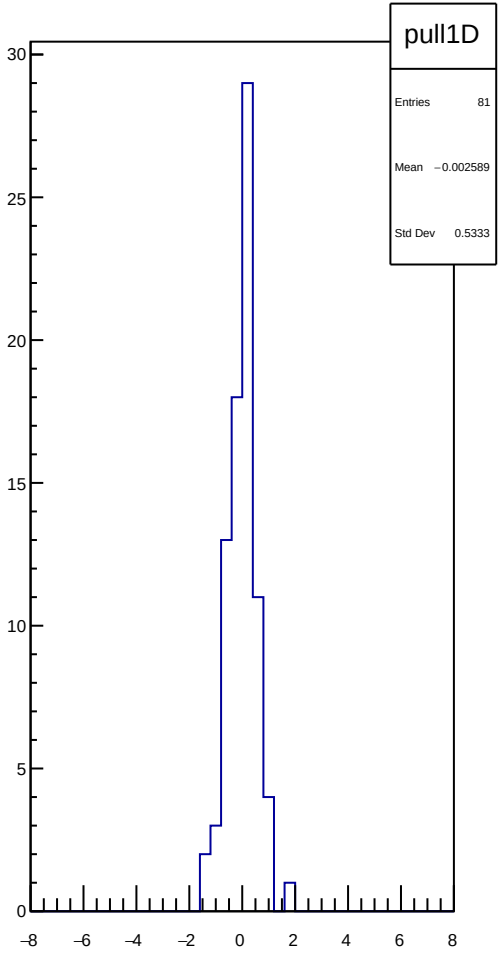

pull1D
Entries 81
Mean −0.06994
Std Dev 1.391

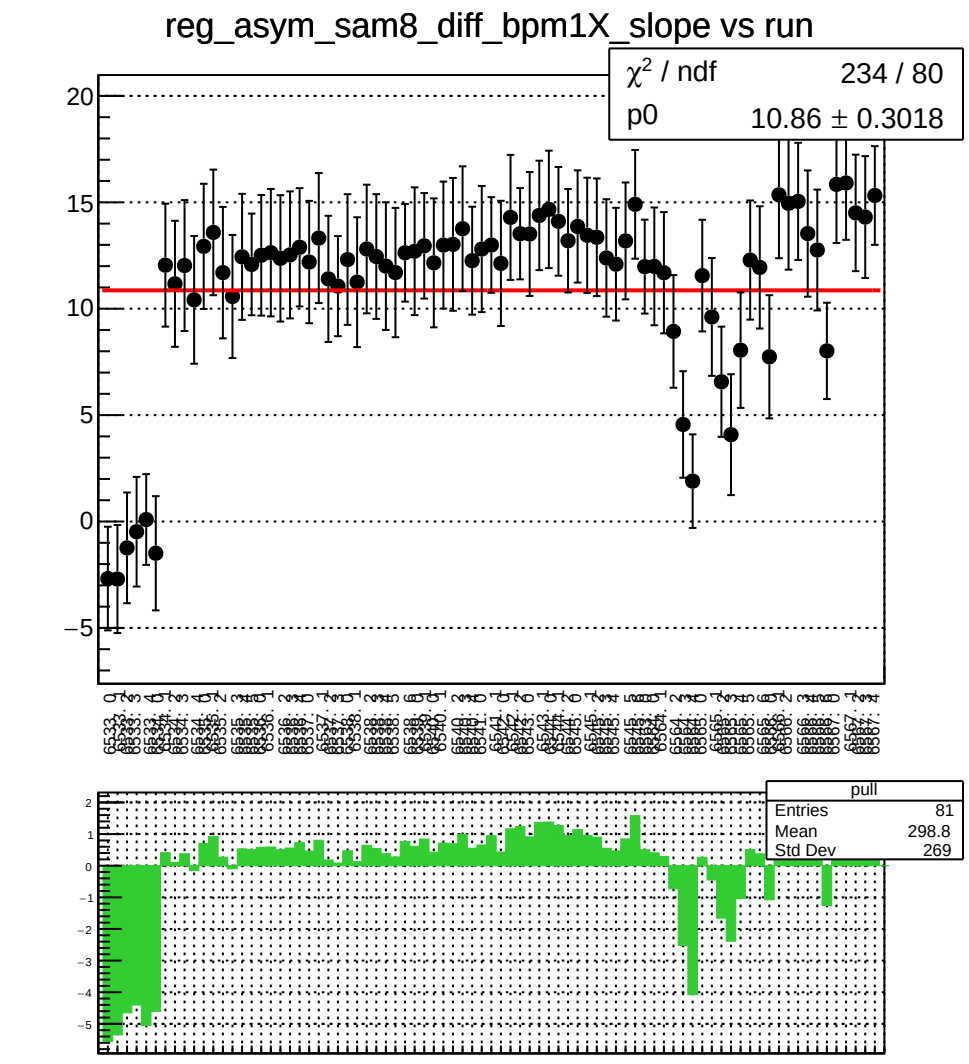

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 87.26 / 80
p0 −59.59 ± 0.3918
pull
Entries 81
Mean 896.9
Std Dev 862.9

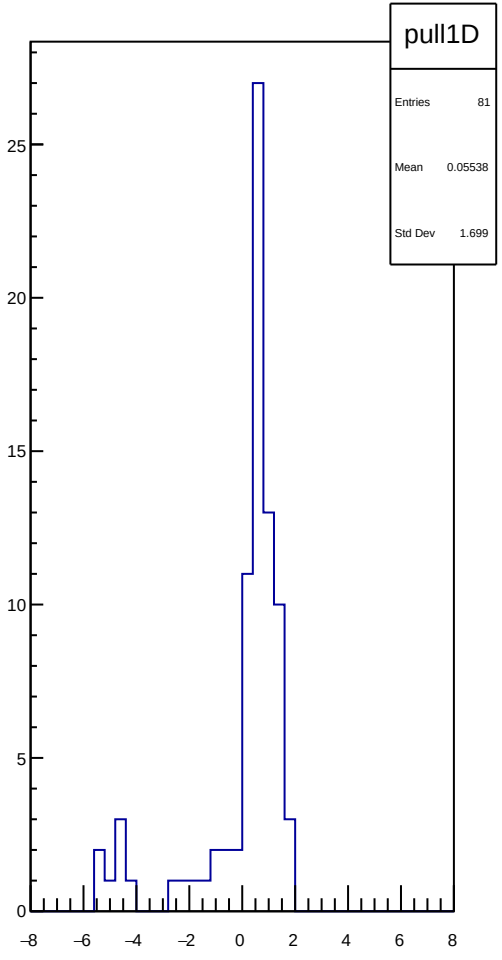

pull1D
Entries 81
Mean −0.01487
Std Dev 1.038

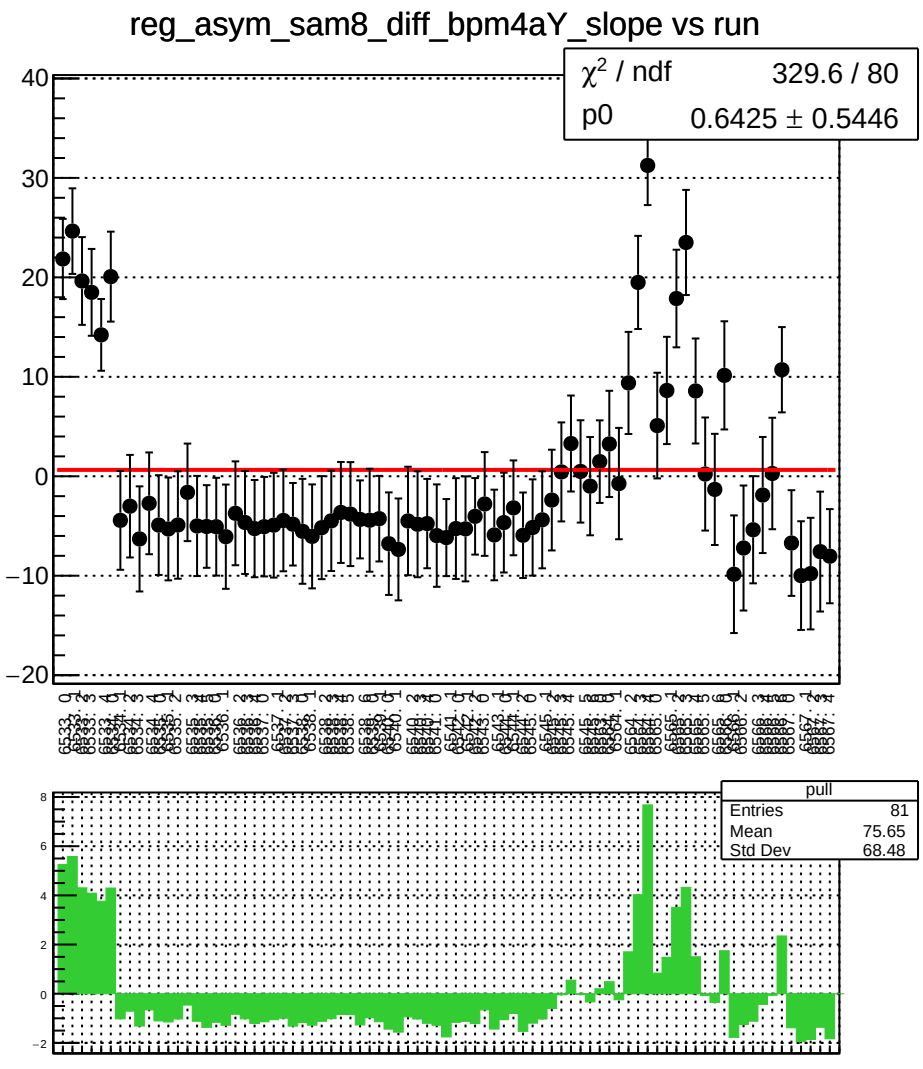

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 166.2 / 80
p0 −30.1 ± 0.6318
pull
Entries 81
Mean −44.38
Std Dev 106.5
pull1D
Entries 81
Mean 0.06828
Std Dev 1.431

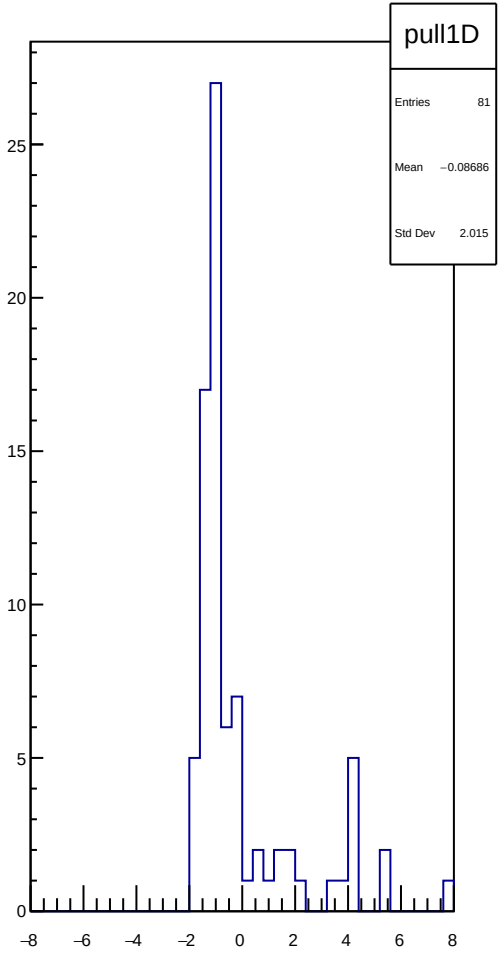

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 23.04 / 80
p0 0.3679 ± 0.01383
pull
Entries 81
Mean −3367
Std Dev 3408

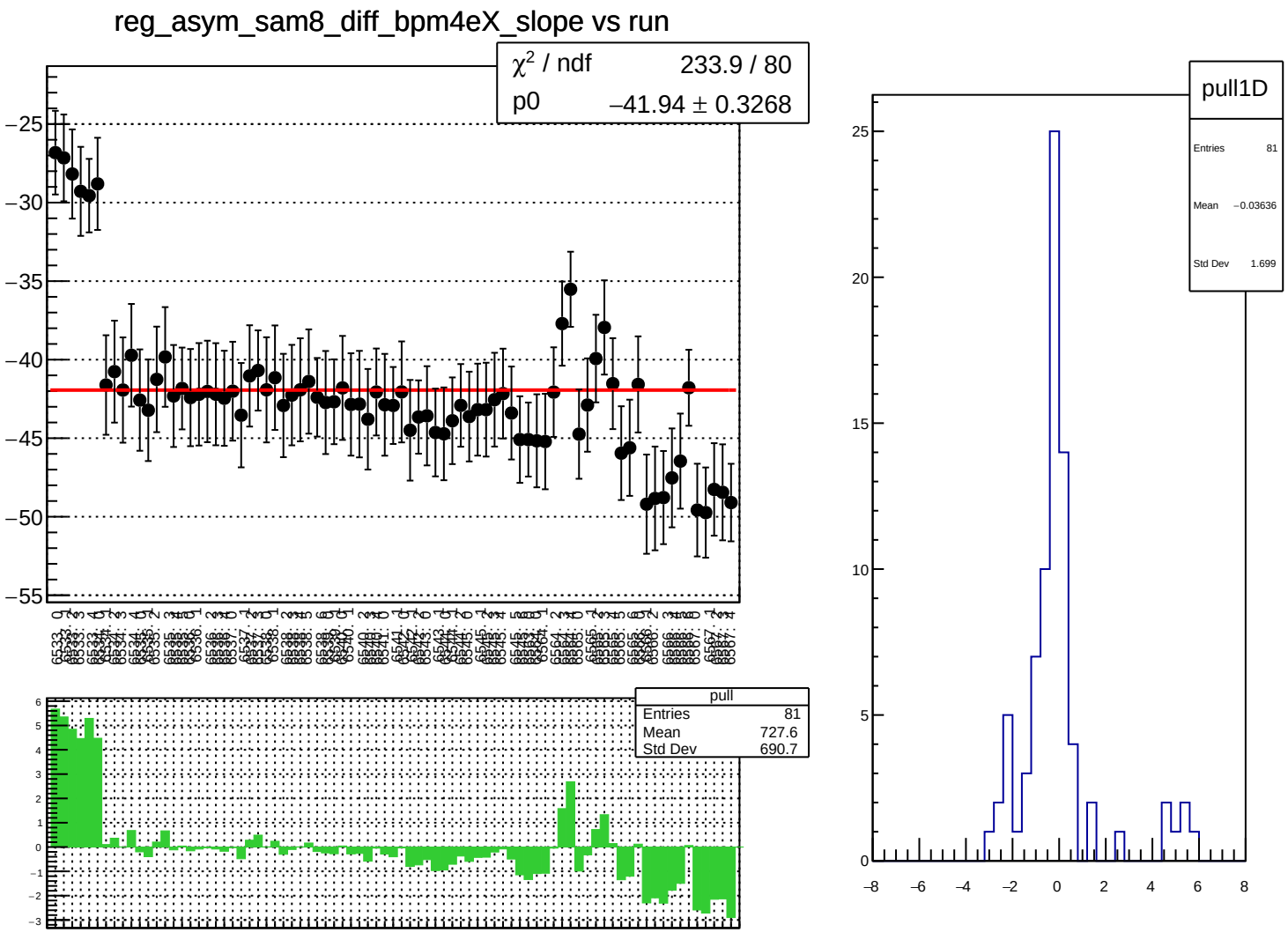

pull1D
Entries 81
Mean −0.002589
Std Dev 0.5333

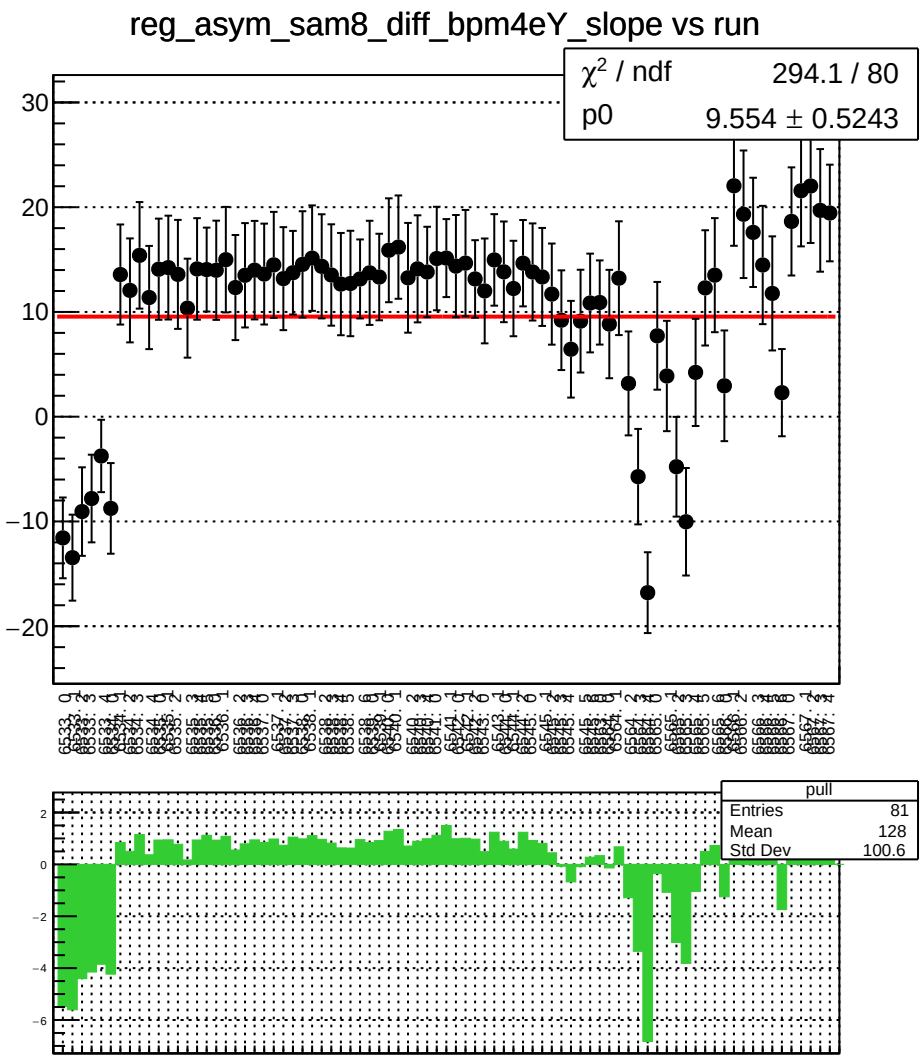

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 234 / 80
p0 10.86 ± 0.3018
pull
Entries 81
Mean 298.8
Std Dev 269

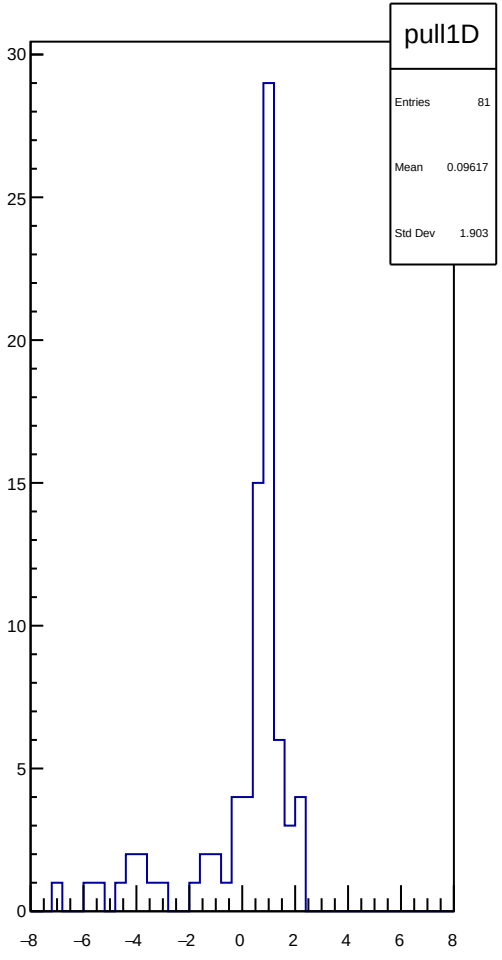

pull1D
Entries 81
Mean 0.05538
Std Dev 1.699

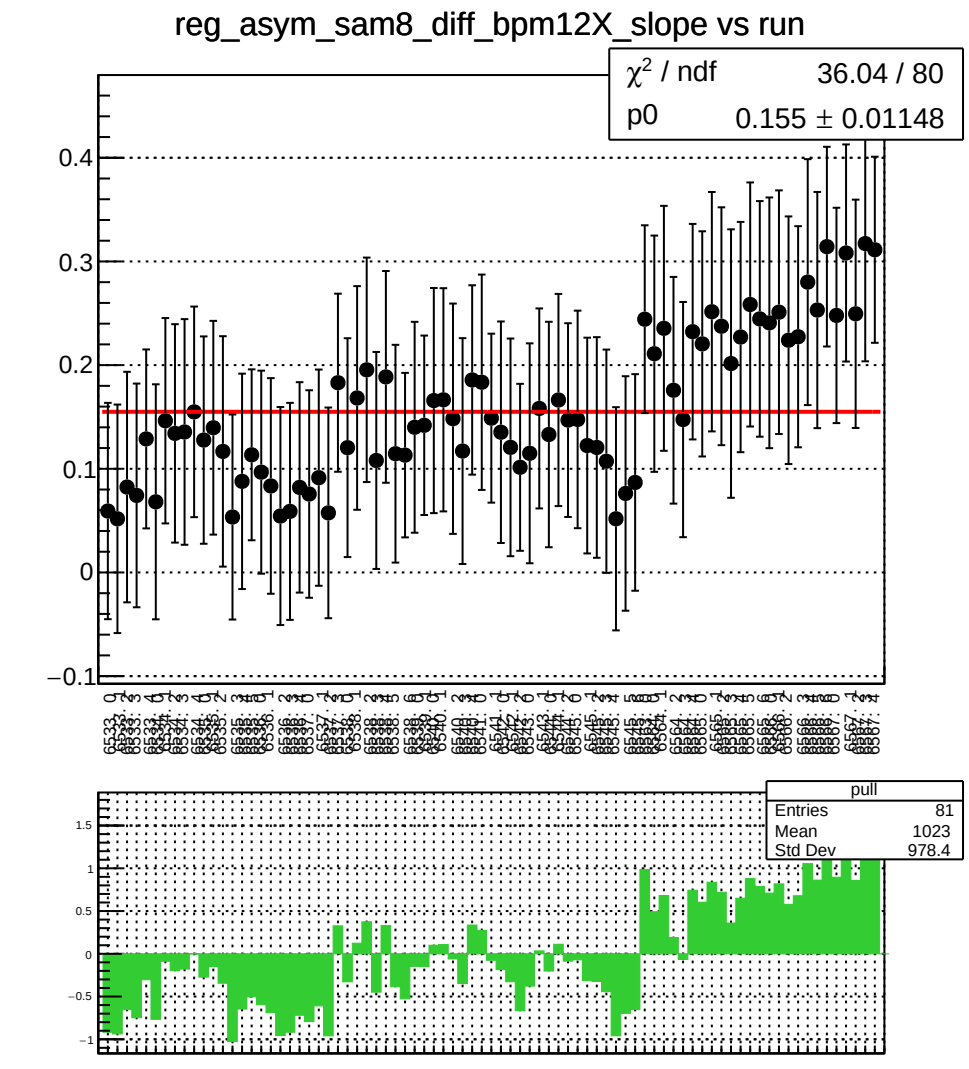

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 329.6 / 80
p0 0.6425 ± 0.5446
pull
Entries 81
Mean 75.65
Std Dev 68.48

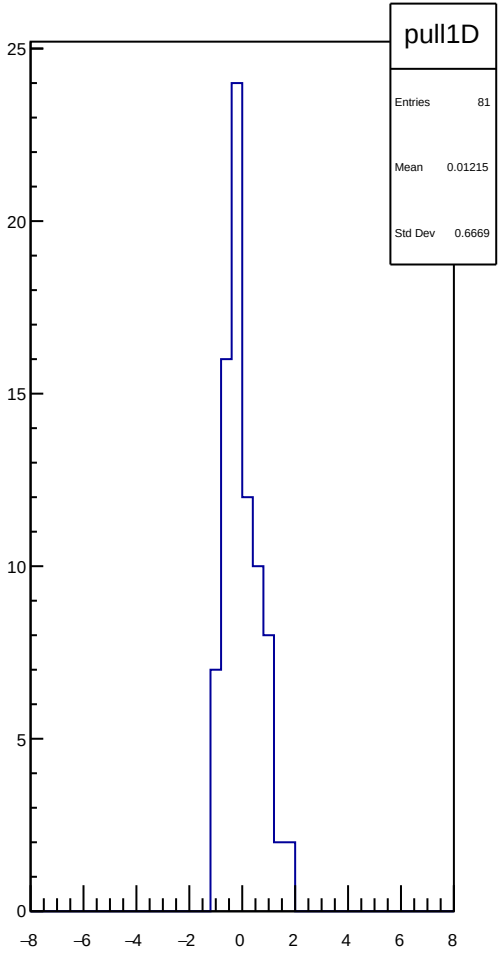

pull1D
Entries 81
Mean −0.08686
Std Dev 2.015

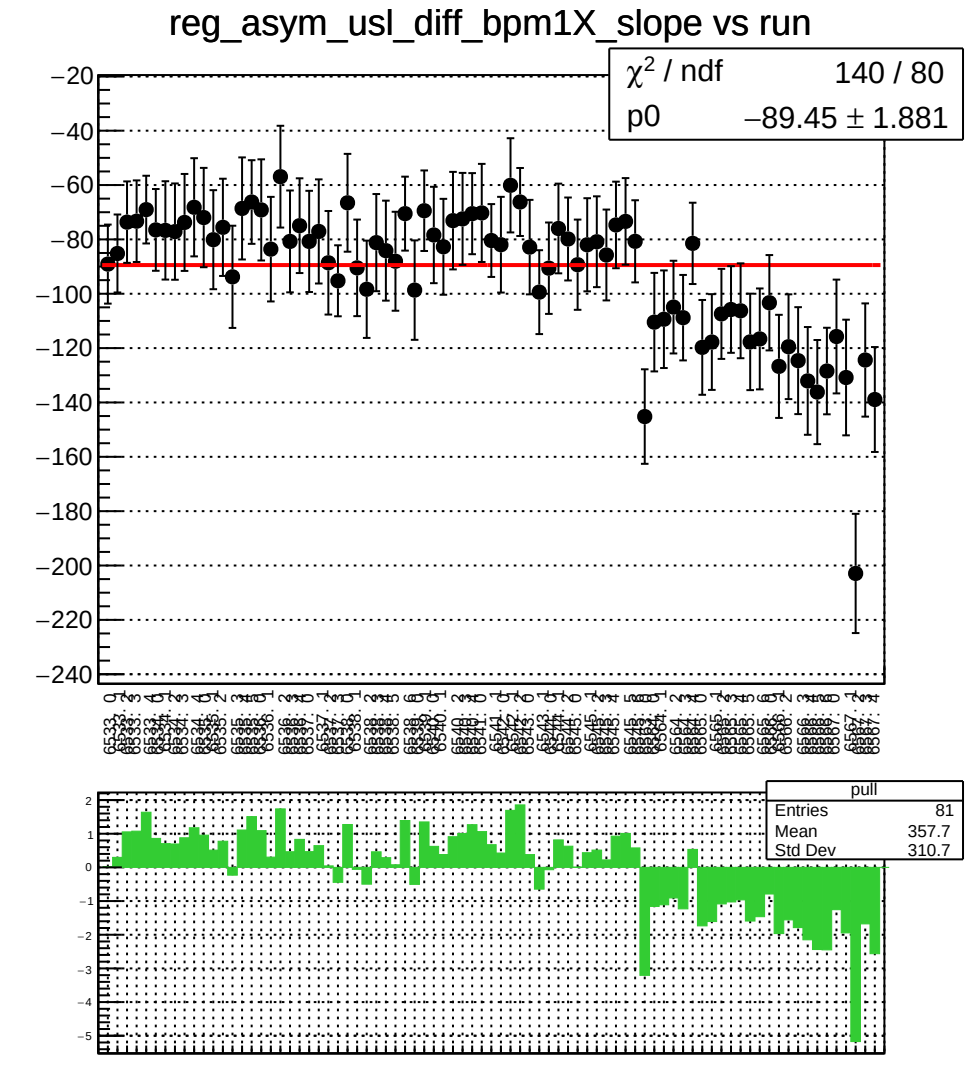

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 233.9 / 80
p0 −41.94 ± 0.3268
pull
Entries 81
Mean 727.6
Std Dev 690.7
pull1D
Entries 81
Mean −0.03636
Std Dev 1.699

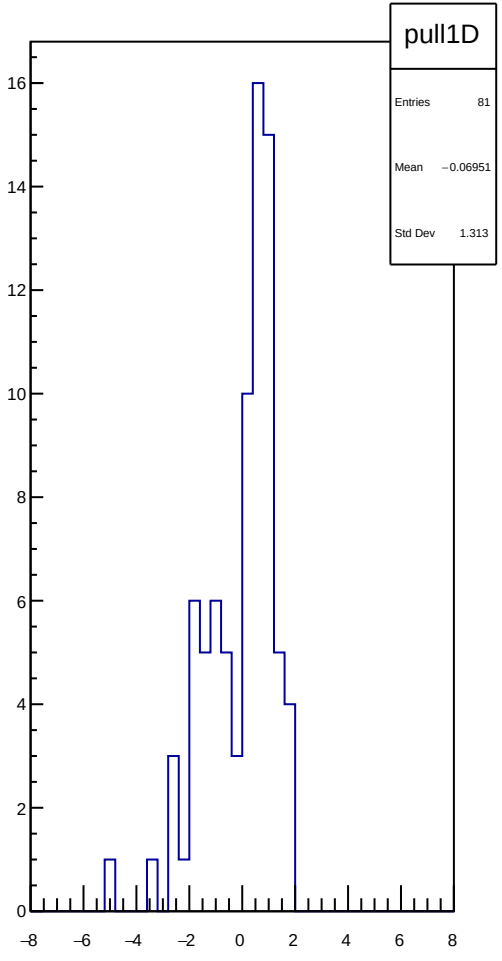

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 294.1 / 80
p0 9.554 ± 0.5243
pull
Entries 81
Mean 128
Std Dev 100.6

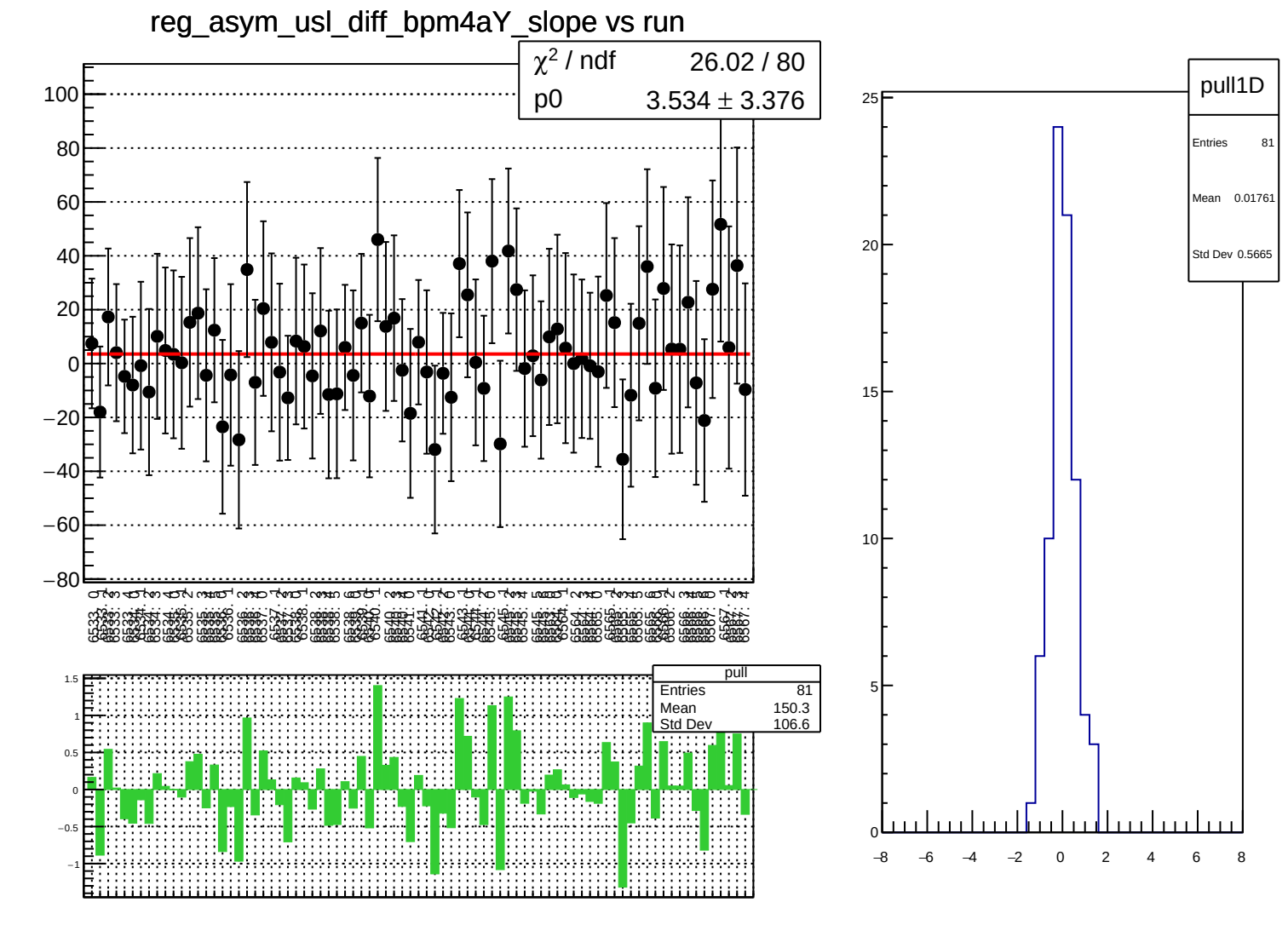

pull1D
Entries 81
Mean 0.09617
Std Dev 1.903

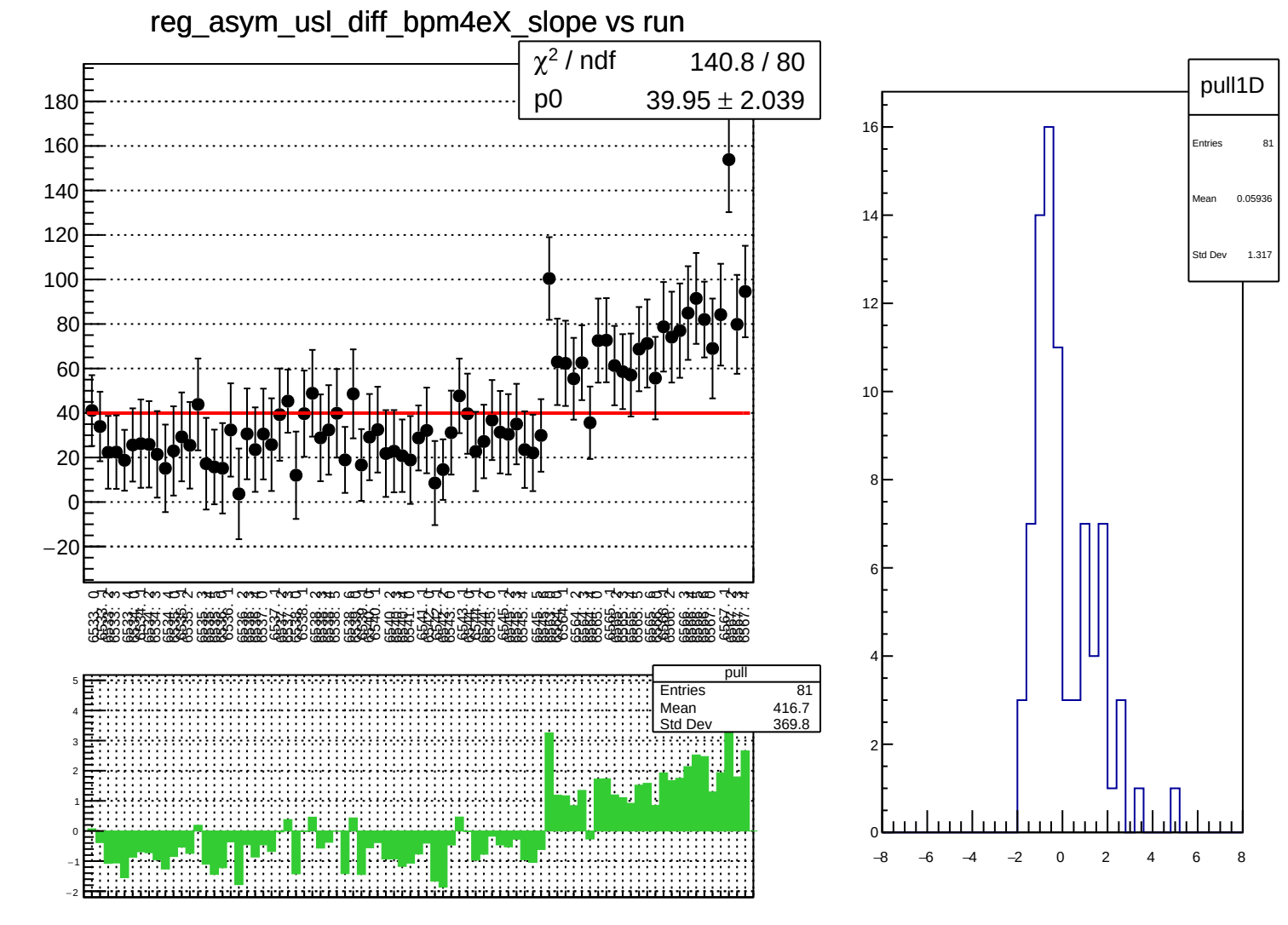

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 36.04 / 80
p0 0.155 ± 0.01148
pull
Entries 81
Mean 1023
Std Dev 978.4

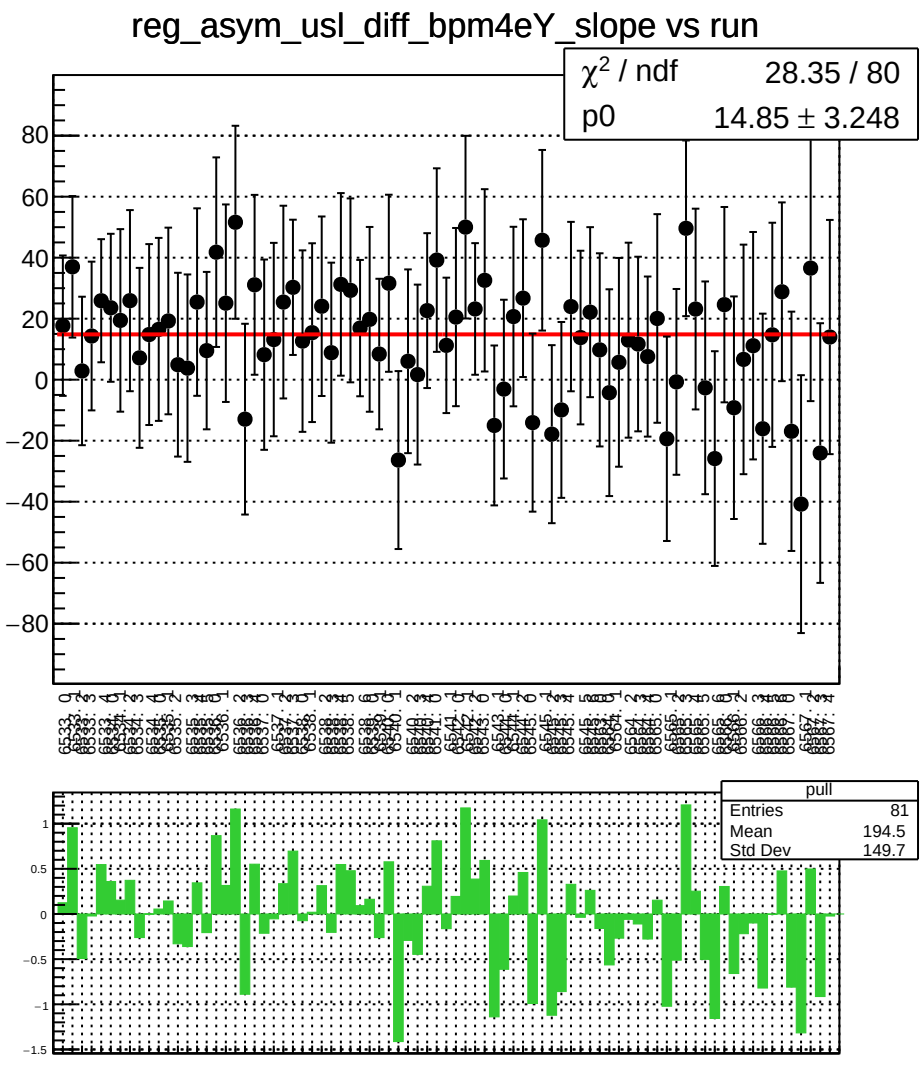

pull1D
Entries 81
Mean 0.01215
Std Dev 0.6669

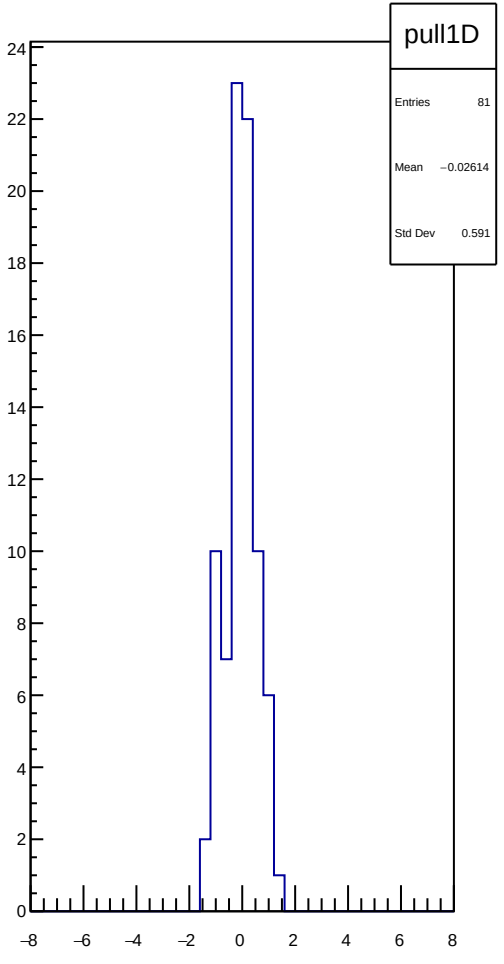

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 140 / 80
p0 −89.45 ± 1.881
pull
Entries 81
Mean 357.7
Std Dev 310.7

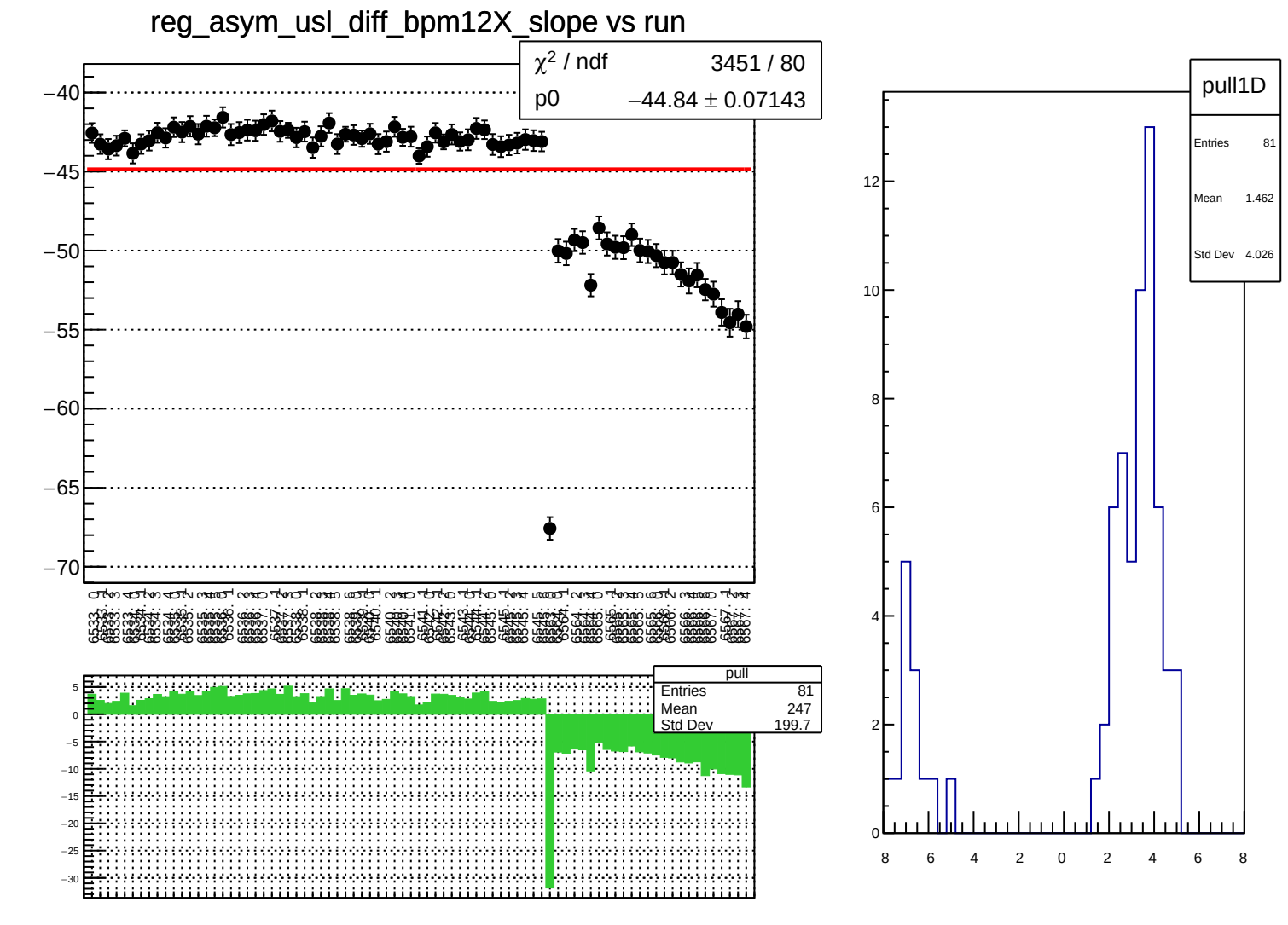

pull1D
Entries 81
Mean −0.06951
Std Dev 1.313

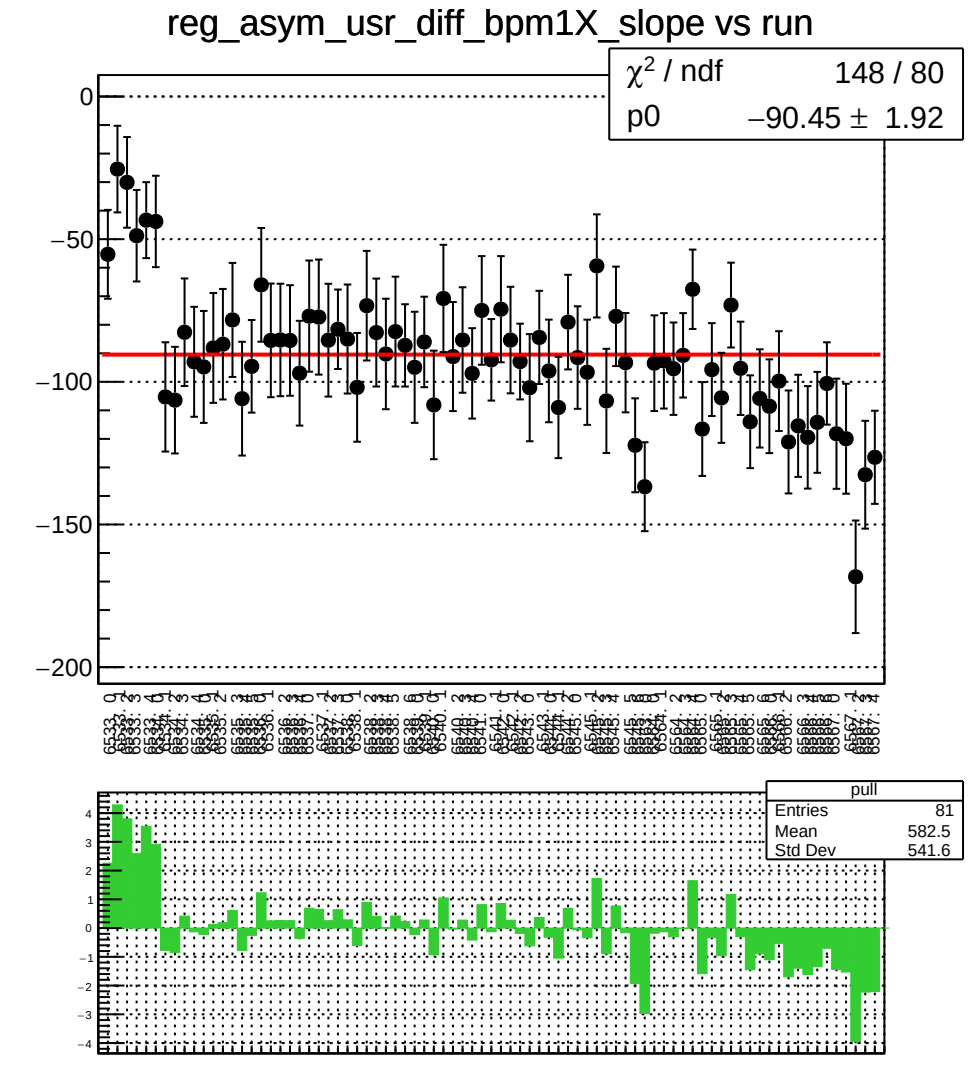

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 26.02 / 80
p0 3.534 ± 3.376
pull
Entries 81
Mean 150.3
Std Dev 106.6
pull1D
Entries 81
Mean 0.01761
Std Dev 0.5665

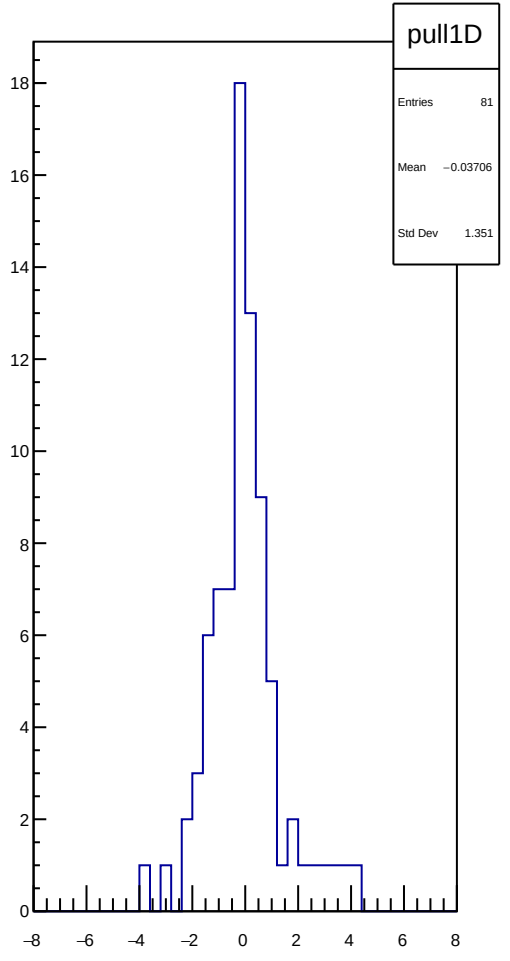

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 140.8 / 80
p0 39.95 ± 2.039
pull
Entries 81
Mean 416.7
Std Dev 369.8
pull1D
Entries 81
Mean 0.05936
Std Dev 1.317

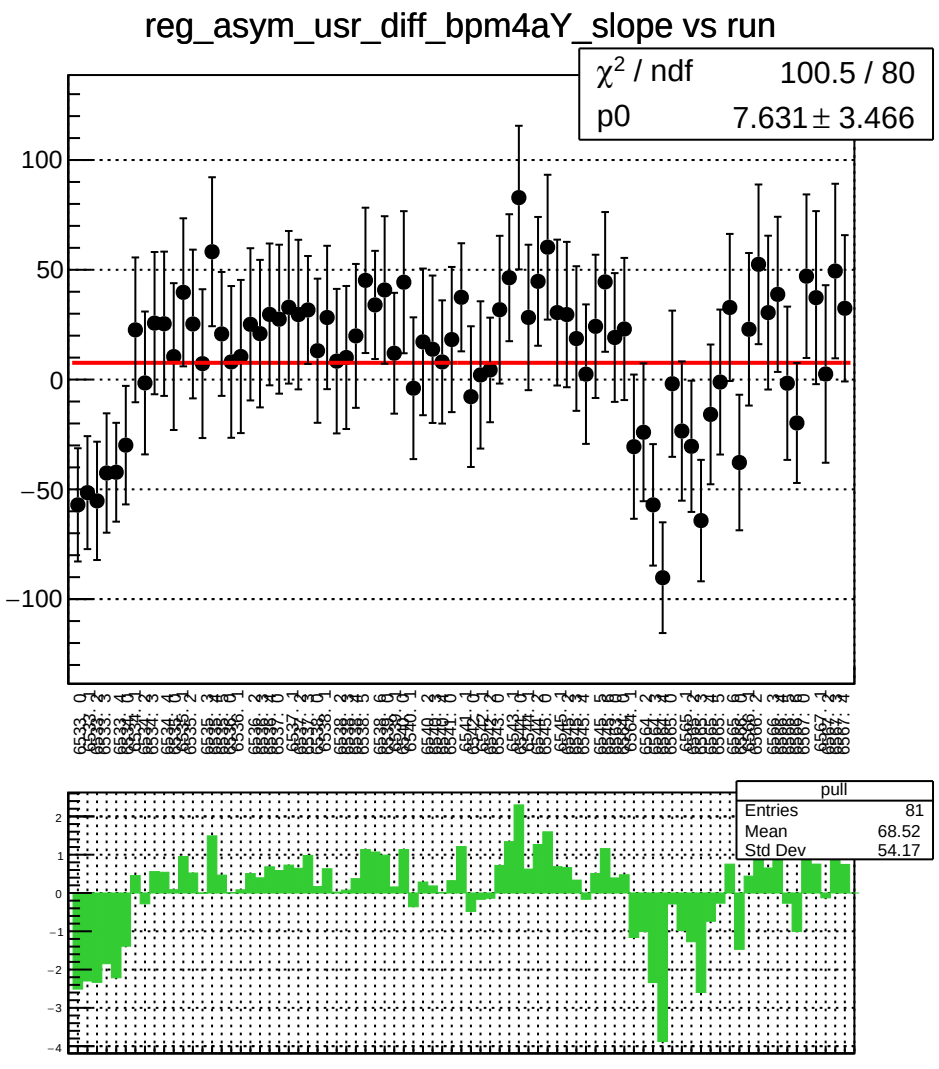

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 28.35 / 80
p0 14.85 ± 3.248
pull
Entries 81
Mean 194.5
Std Dev 149.7

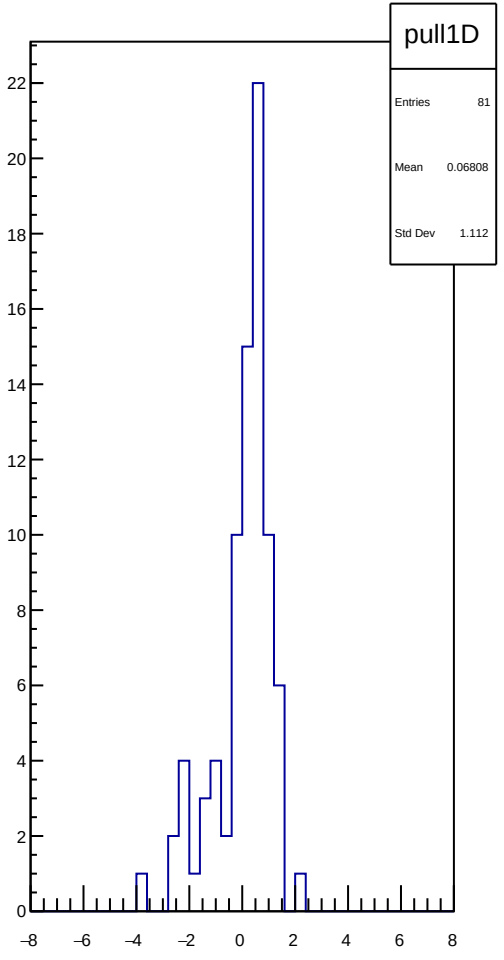

pull1D
Entries 81
Mean −0.02614
Std Dev 0.591

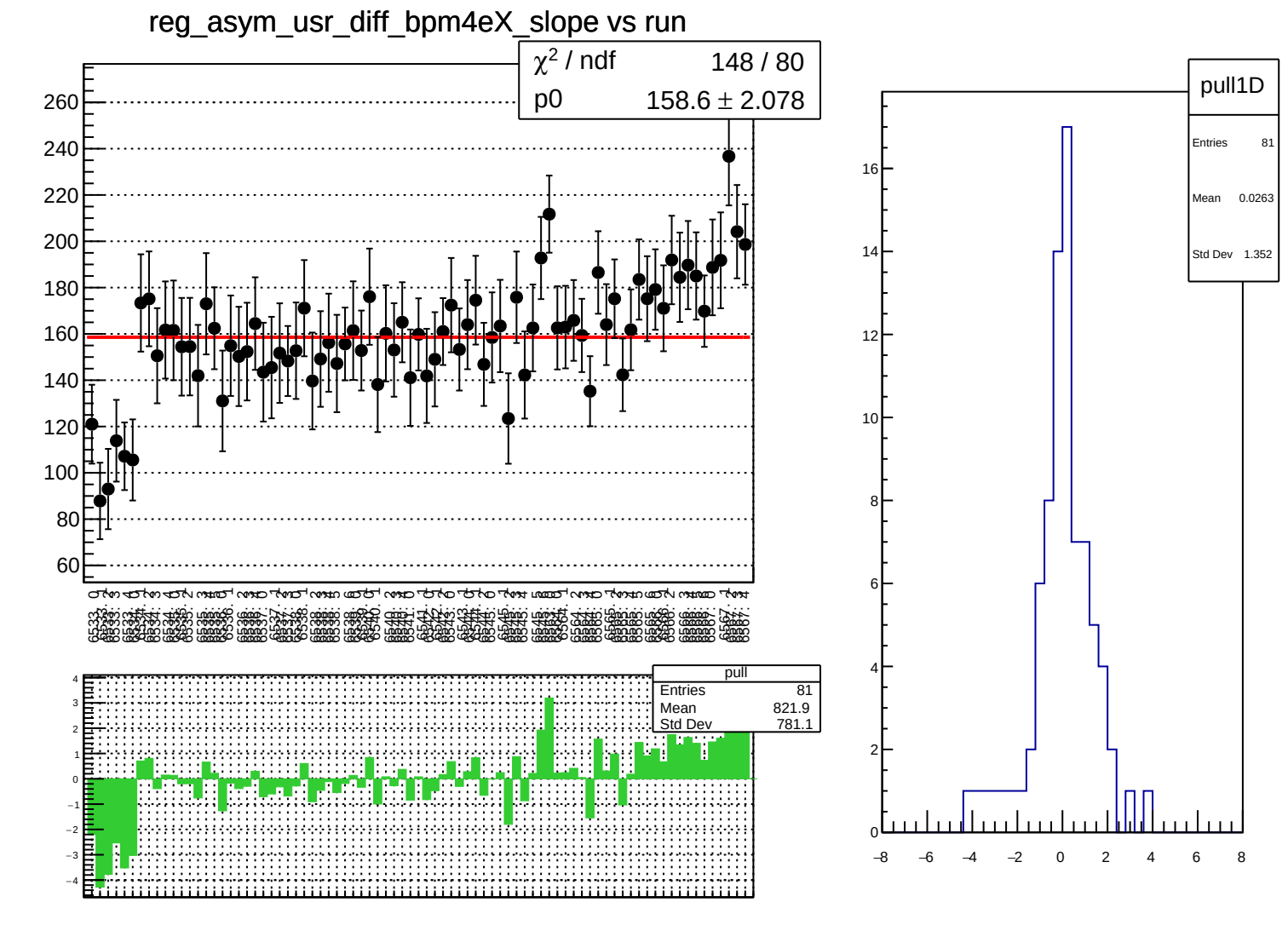

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 3451 / 80
p0 −44.84 ± 0.07143
−40
−45
−50
−55
−60
−65
−70
pull
Entries 81
Mean 247
Std Dev 199.7
5
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 81
Mean 1.462
Std Dev 4.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

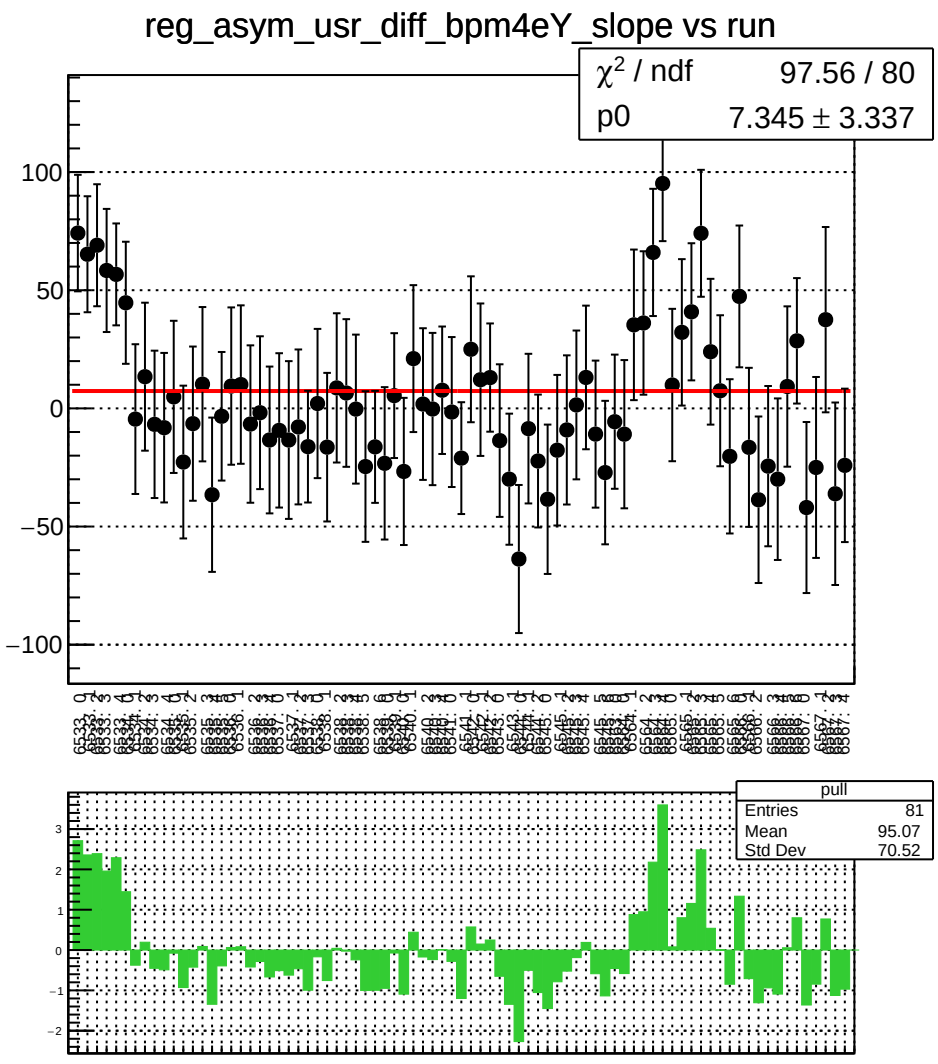

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 148 / 80
p0 −90.45 ± 1.92
0
−50
−100
−150
−200
pull
Entries 81
Mean 582.5
Std Dev 541.6
4
3
2
1
0
−1
−2
−3
−4

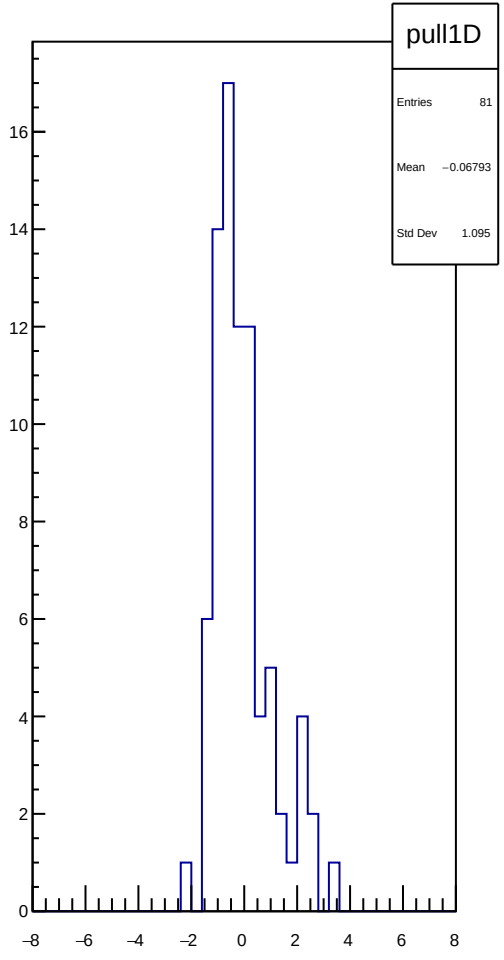

pull1D
Entries 81
Mean −0.03706
Std Dev 1.351
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

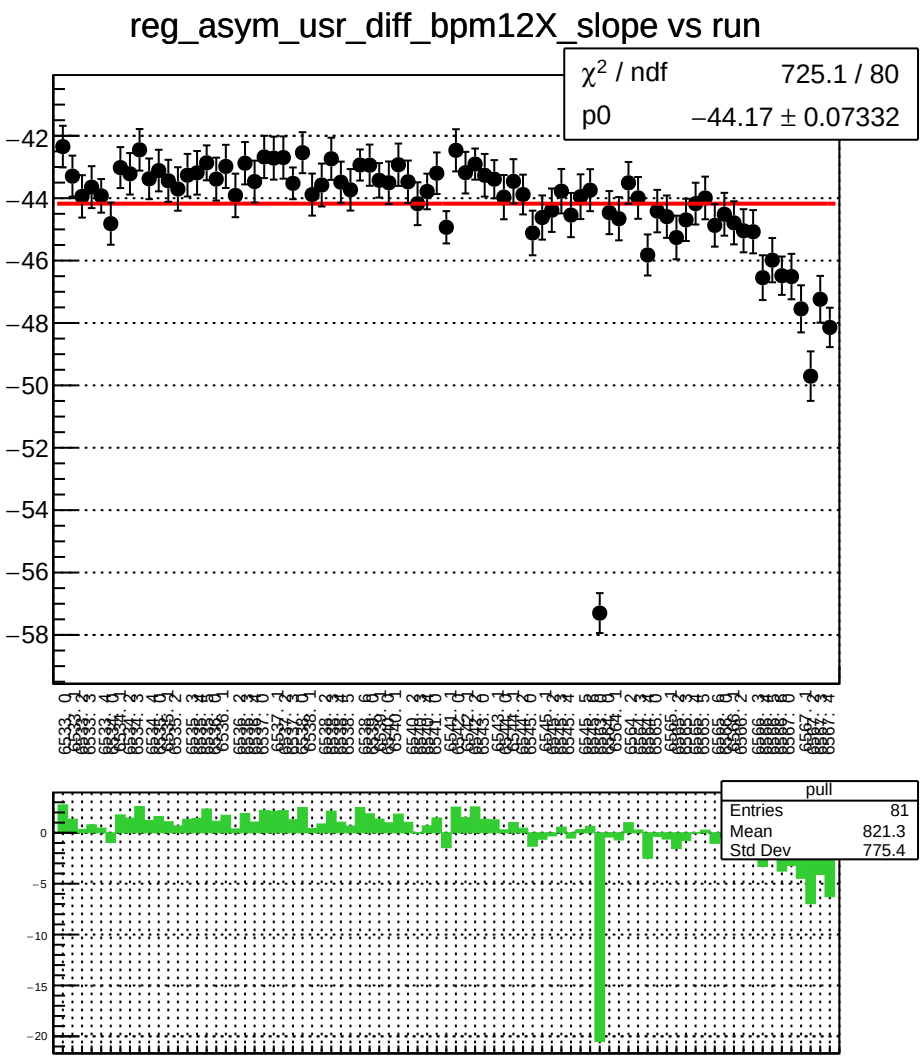

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 100.5 / 80
p0 7.631 ± 3.466
100
50
0
−50
−100
pull
Entries 81
Mean 68.52
Std Dev 54.17
2
1
0
−1
−2
−3
−4

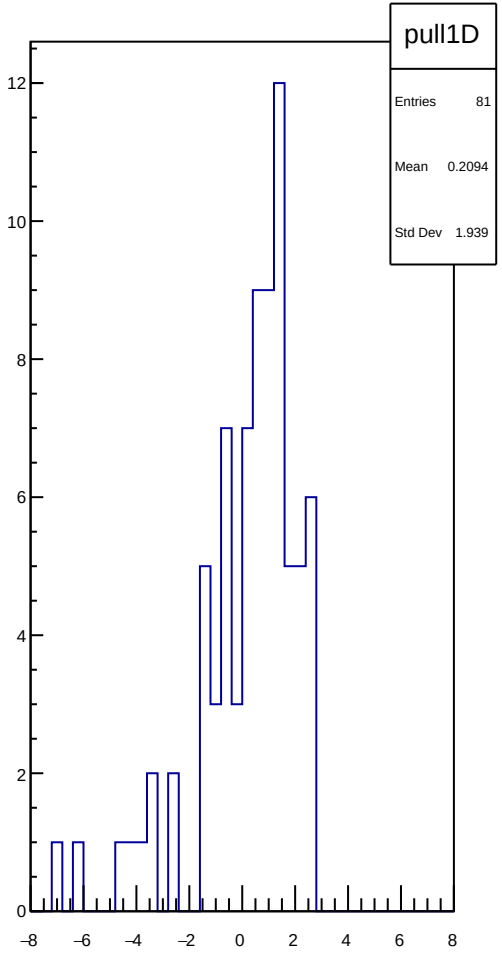

pull1D
Entries 81
Mean 0.06808
Std Dev 1.112
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

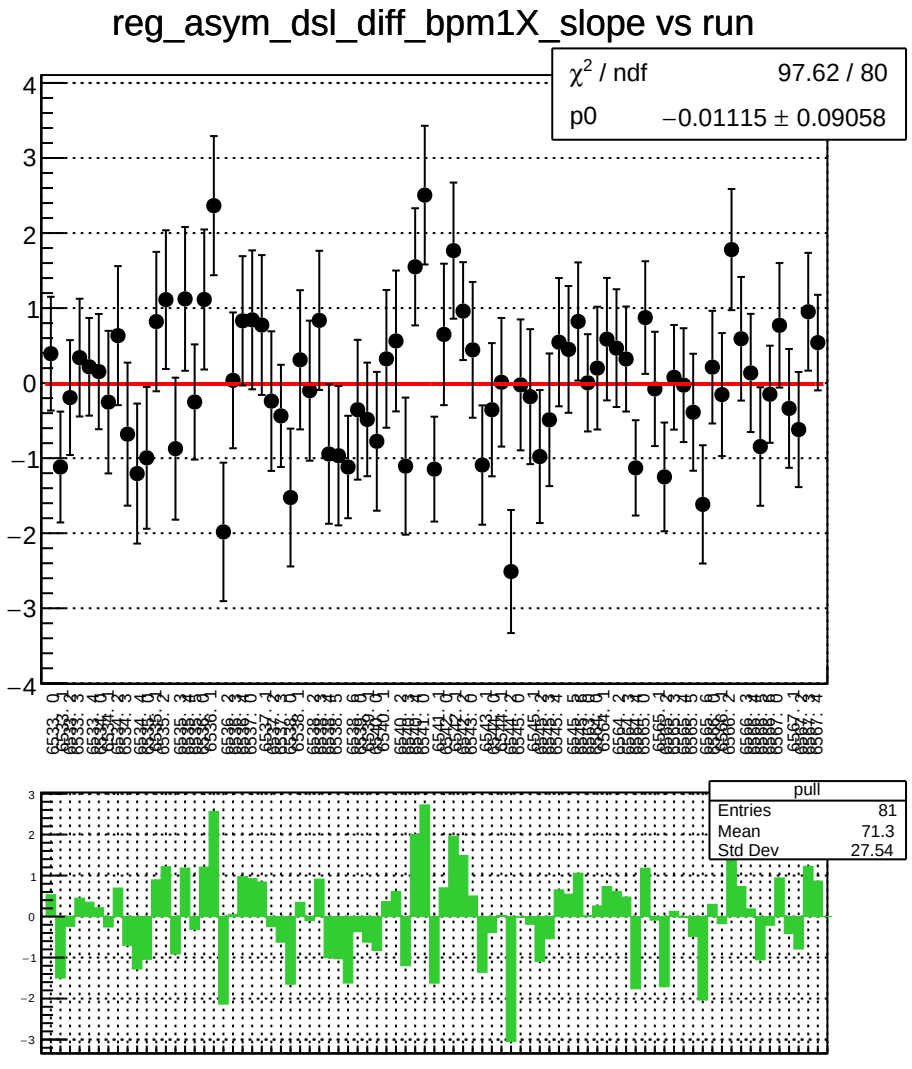

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 148 / 80
p0 158.6 ± 2.078
pull
Entries 81
Mean 821.9
Std Dev 781.1
pull1D
Entries 81
Mean 0.0263
Std Dev 1.352

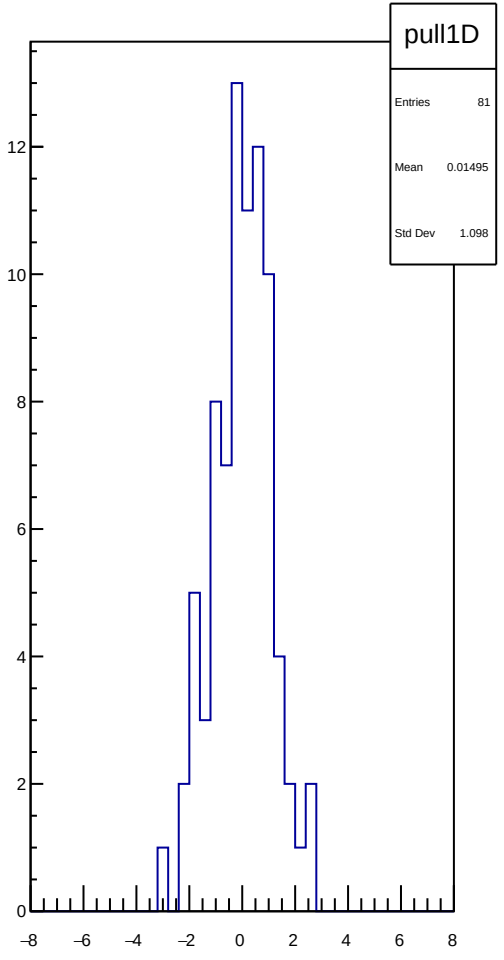

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 97.56 / 80
p0 7.345 ± 3.337
100
50
0
−50
−100
pull
Entries 81
Mean 95.07
Std Dev 70.52
3
2
1
0
−1
−2

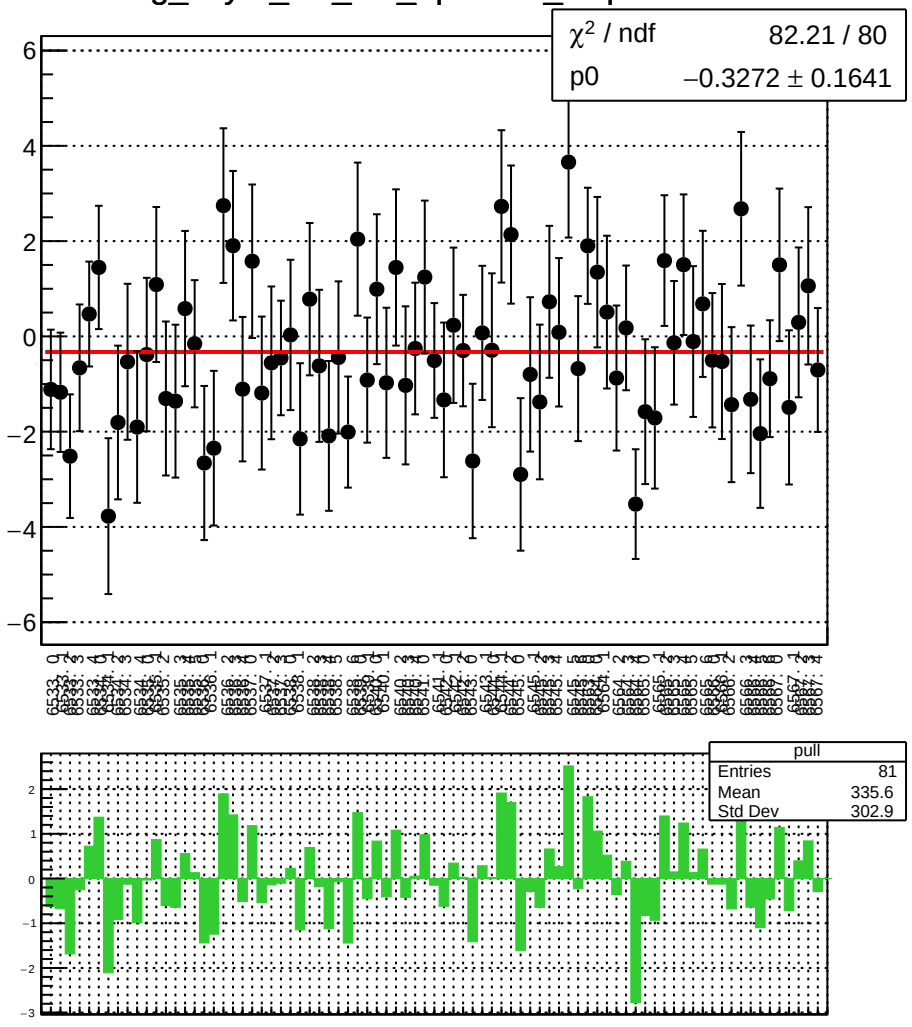

pull1D
Entries 81
Mean −0.06793
Std Dev 1.095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

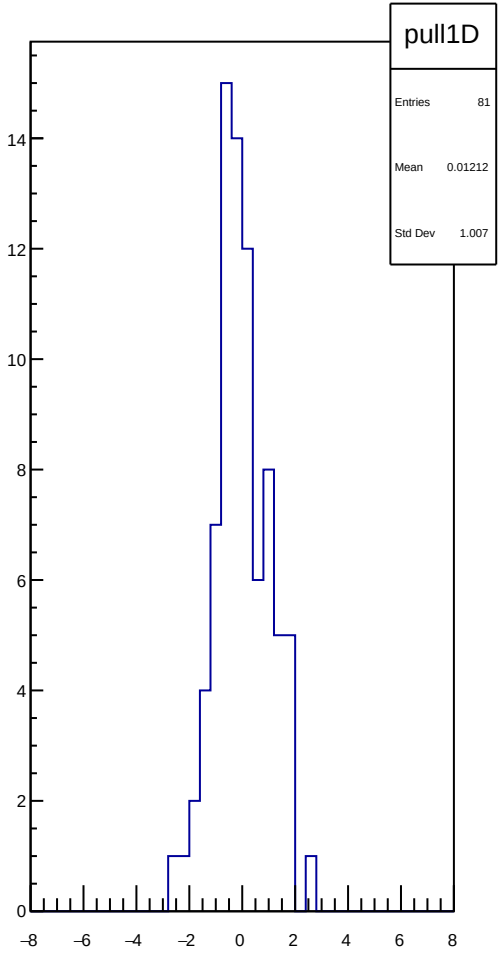

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 725.1 / 80
p0 −44.17 ± 0.07332
pull
Entries 81
Mean 821.3
Std Dev 775.4

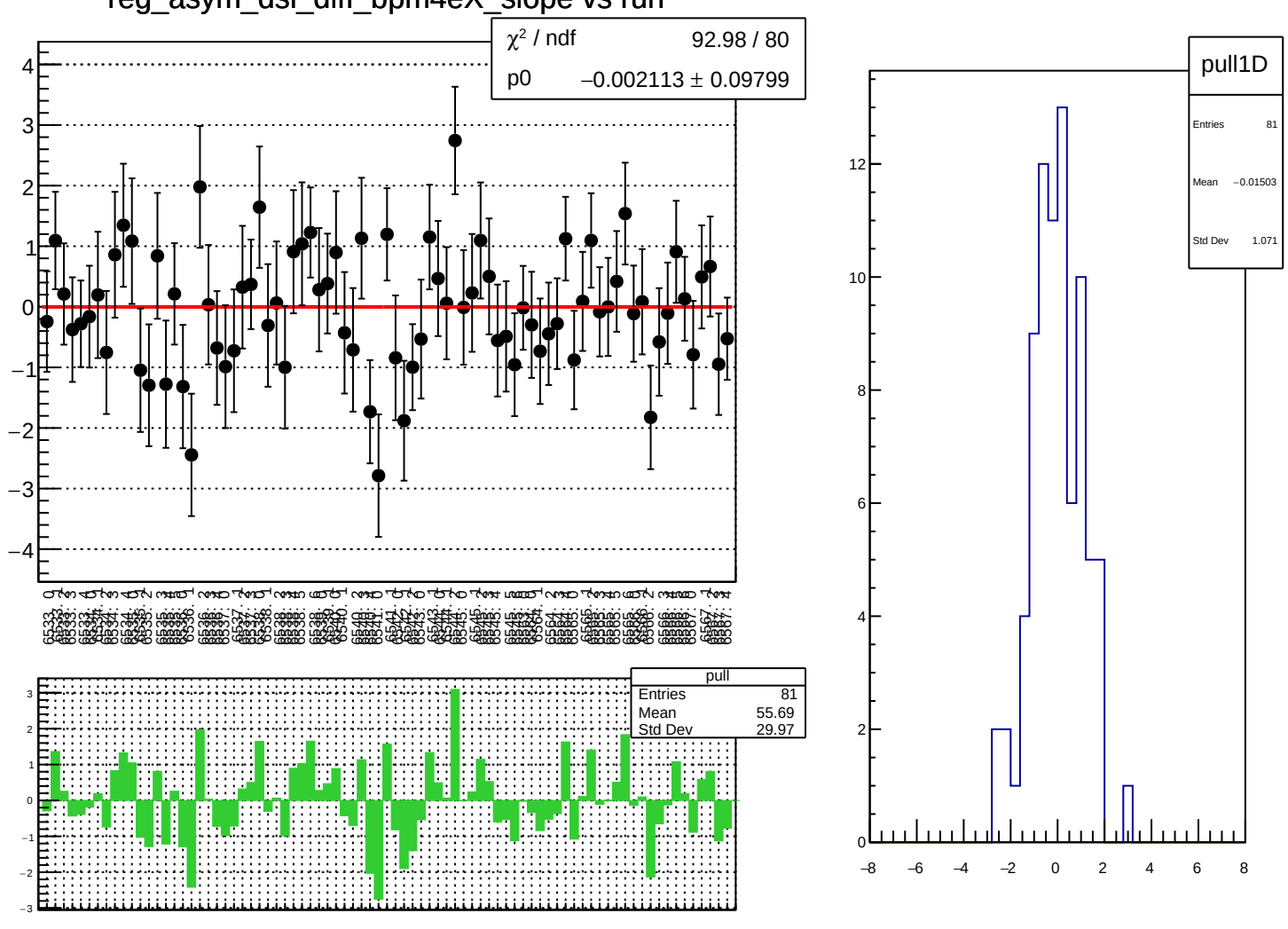

pull1D
Entries 81
Mean 0.2094
Std Dev 1.939

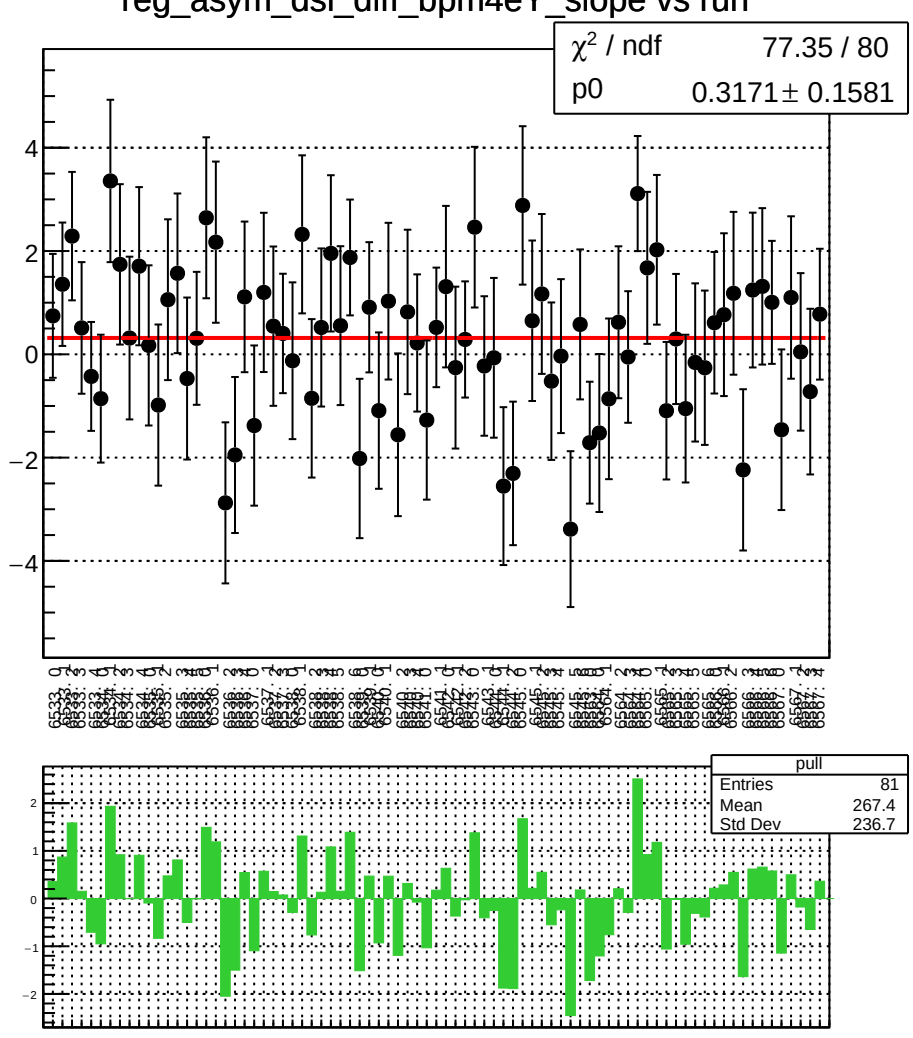

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 97.62 / 80
p0 −0.01115 ± 0.09058
pull
Entries 81
Mean 71.3
Std Dev 27.54

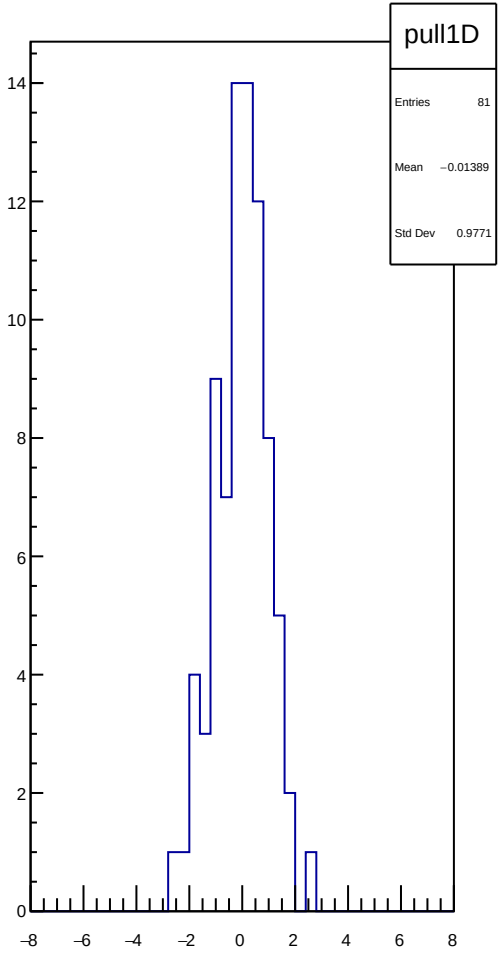

pull1D
Entries 81
Mean 0.01495
Std Dev 1.098

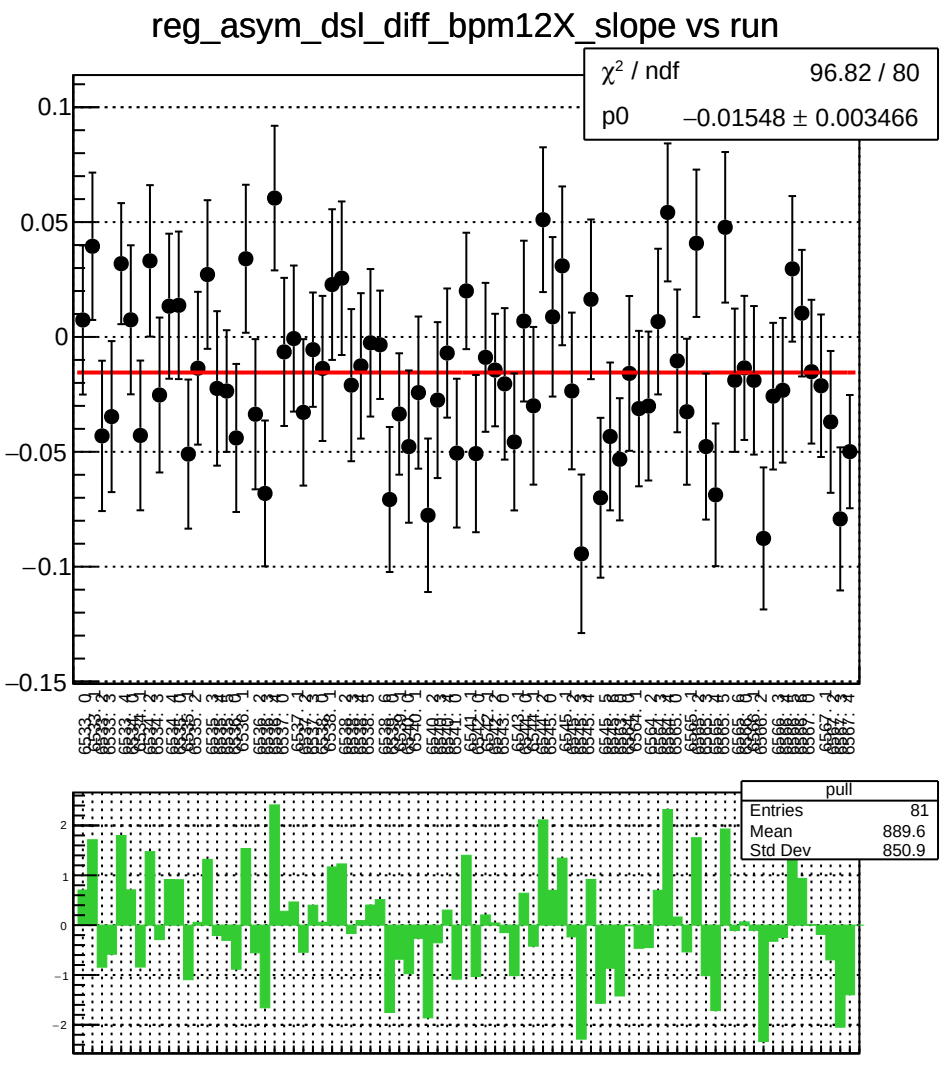

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 82.21 / 80
p0 −0.3272 ± 0.1641
pull
Entries 81
Mean 335.6
Std Dev 302.9

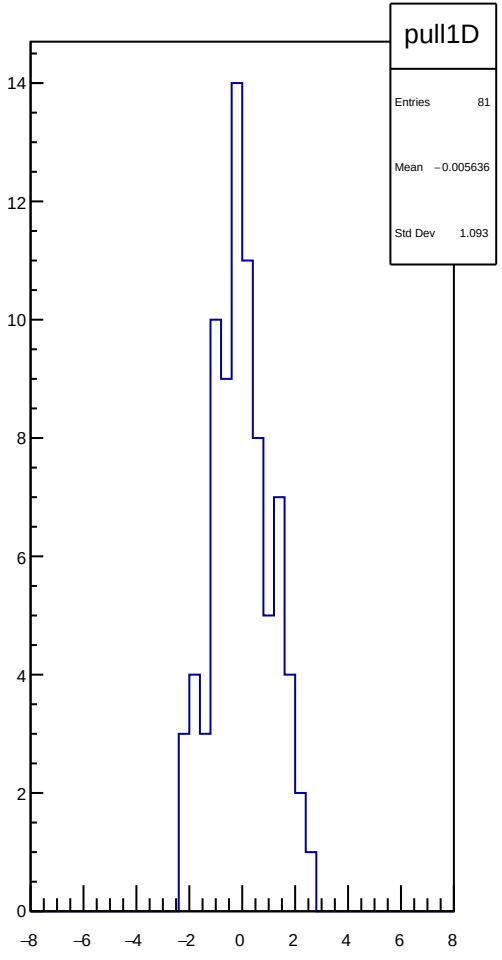

pull1D
Entries 81
Mean 0.01212
Std Dev 1.007

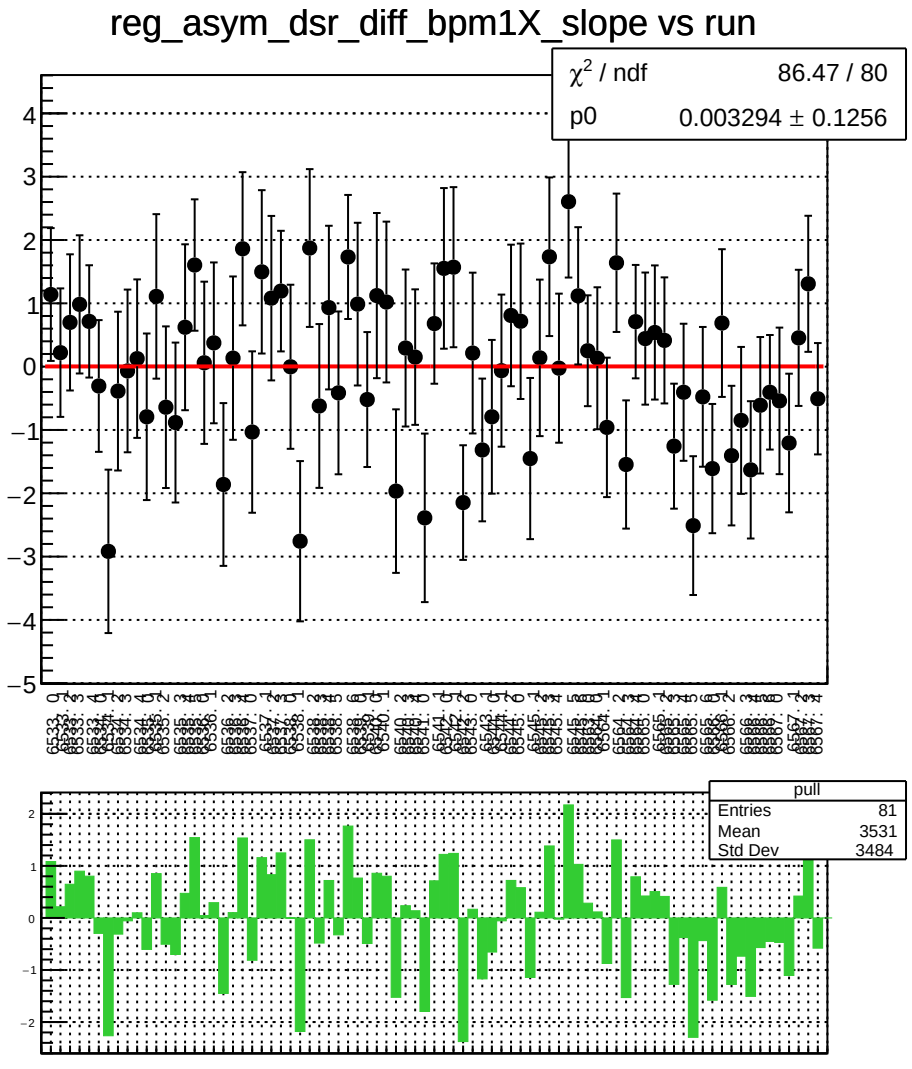

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 92.98 / 80
p0 −0.002113 ± 0.09799
pull
Entries 81
Mean 55.69
Std Dev 29.97
pull1D
Entries 81
Mean −0.01503
Std Dev 1.071

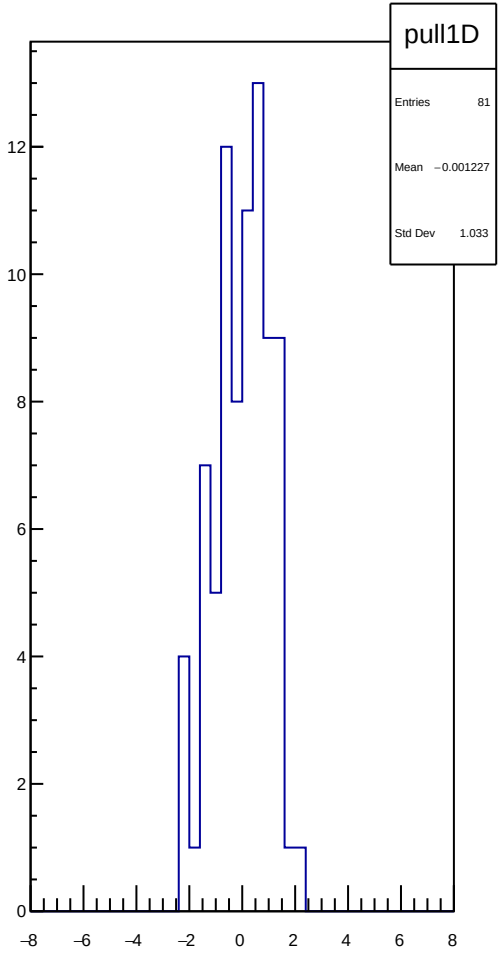

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 77.35 / 80
p0 0.3171± 0.1581
pull
Entries 81
Mean 267.4
Std Dev 236.7

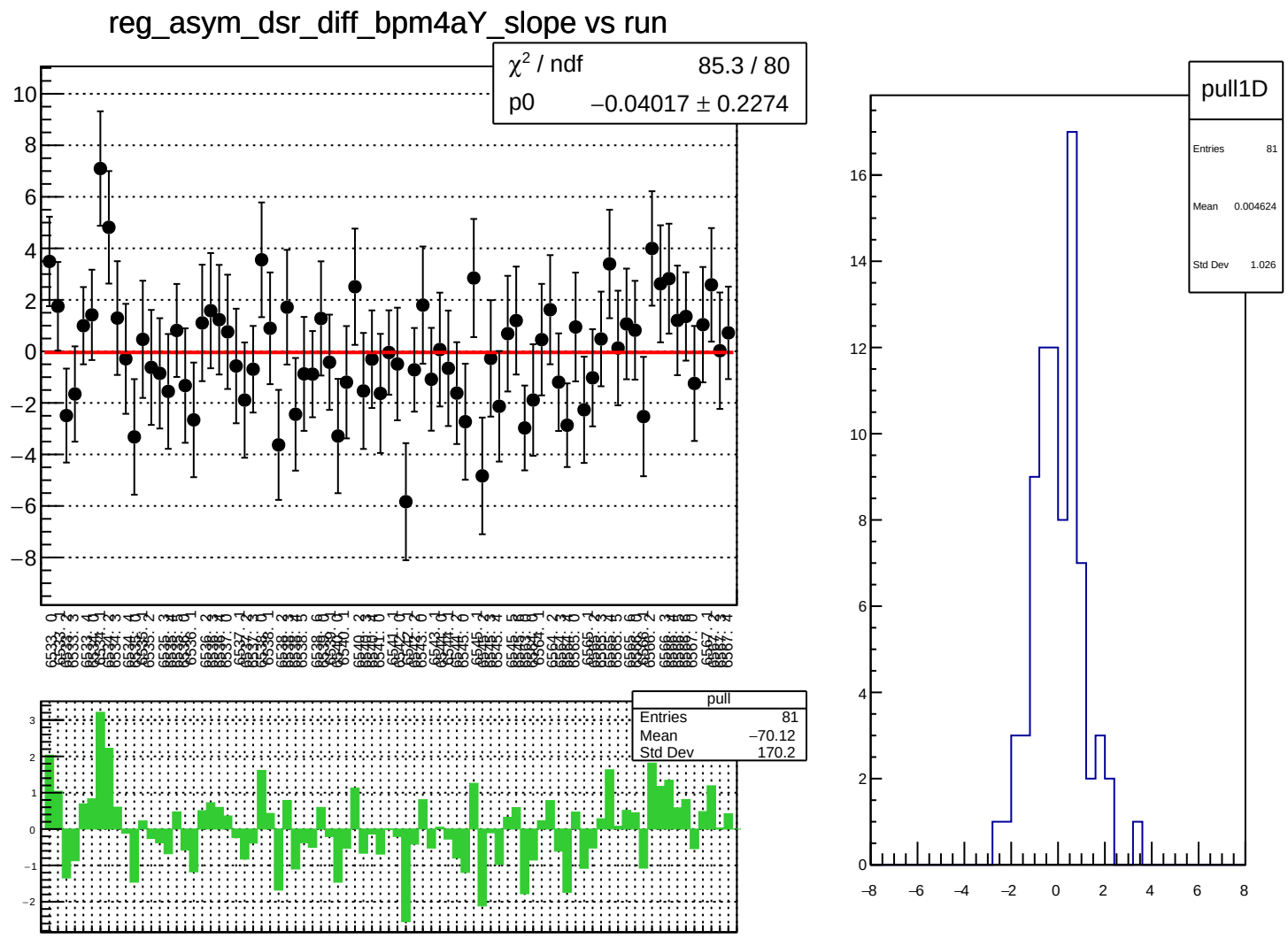

pull1D
Entries 81
Mean −0.01389
Std Dev 0.9771

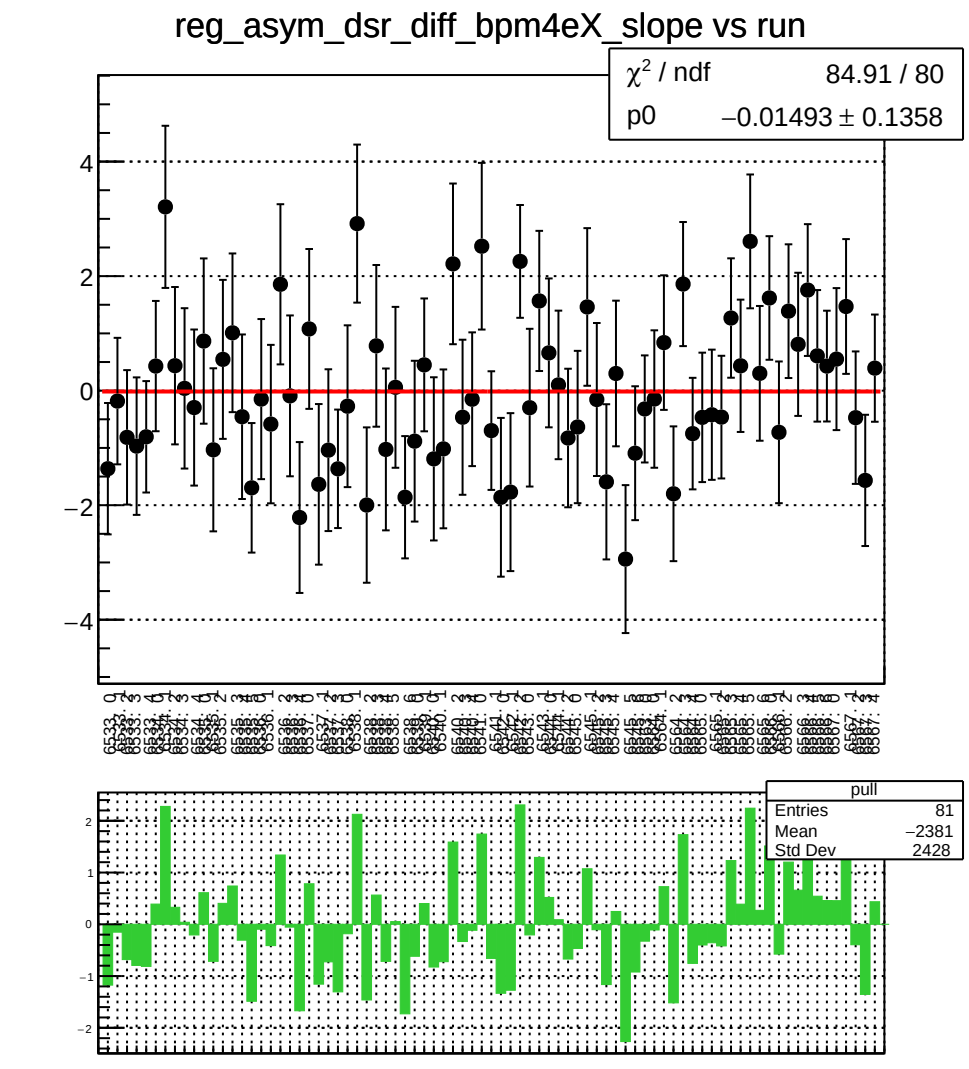

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 96.82 / 80
p0 −0.01548 ± 0.003466
pull
Entries 81
Mean 889.6
Std Dev 850.9

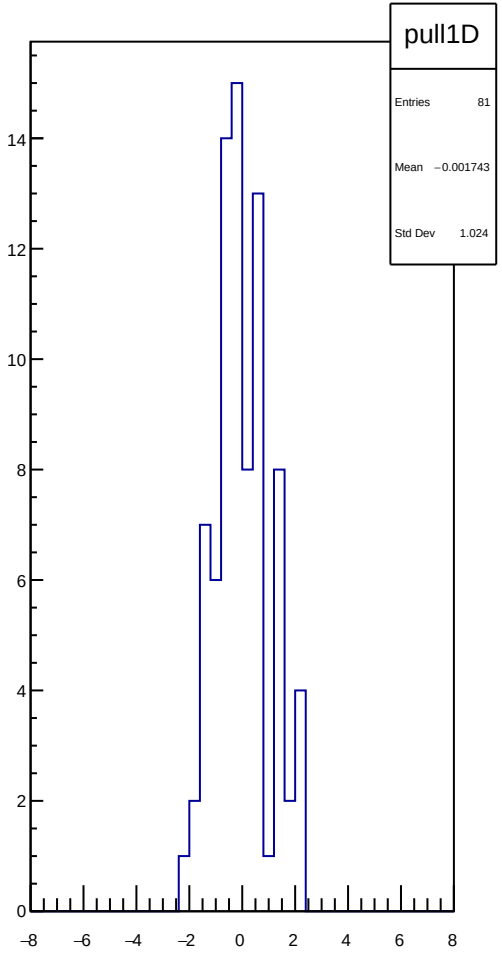

pull1D
Entries 81
Mean −0.005636
Std Dev 1.093

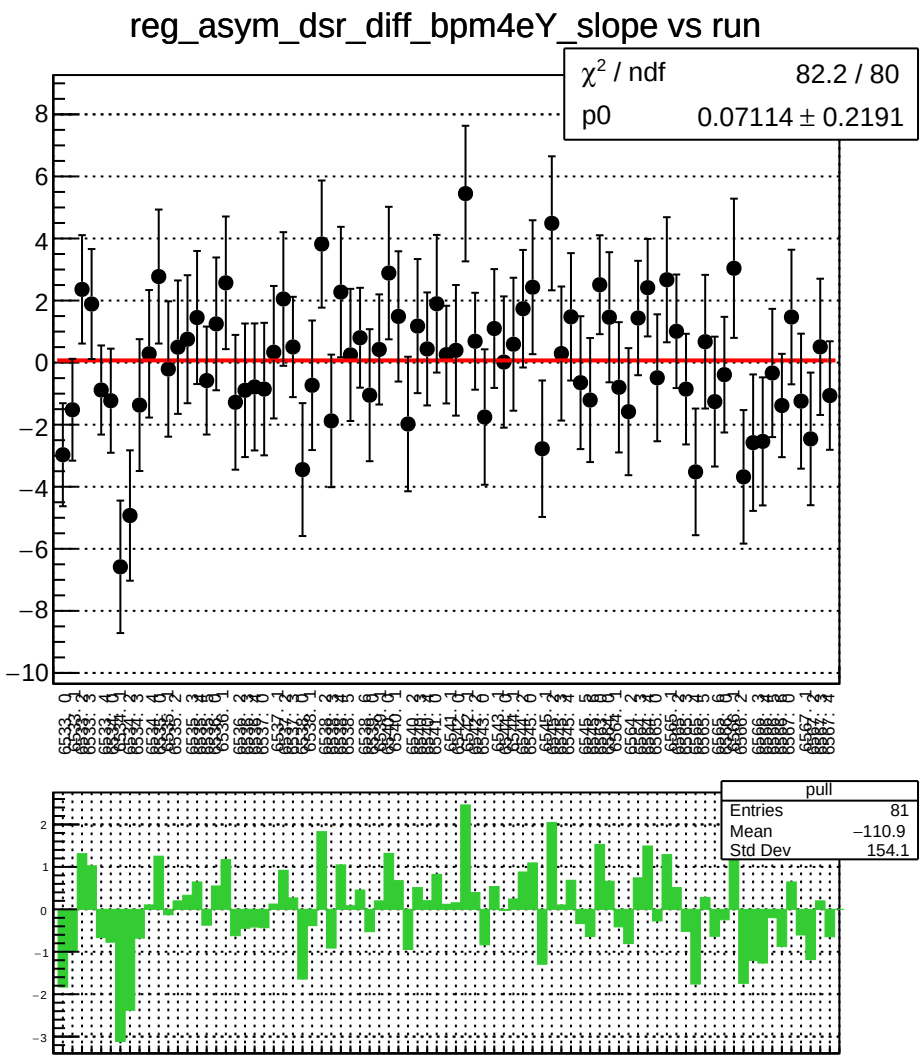

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 86.47 / 80
p0 0.003294 ± 0.1256
pull
Entries 81
Mean 3531
Std Dev 3484

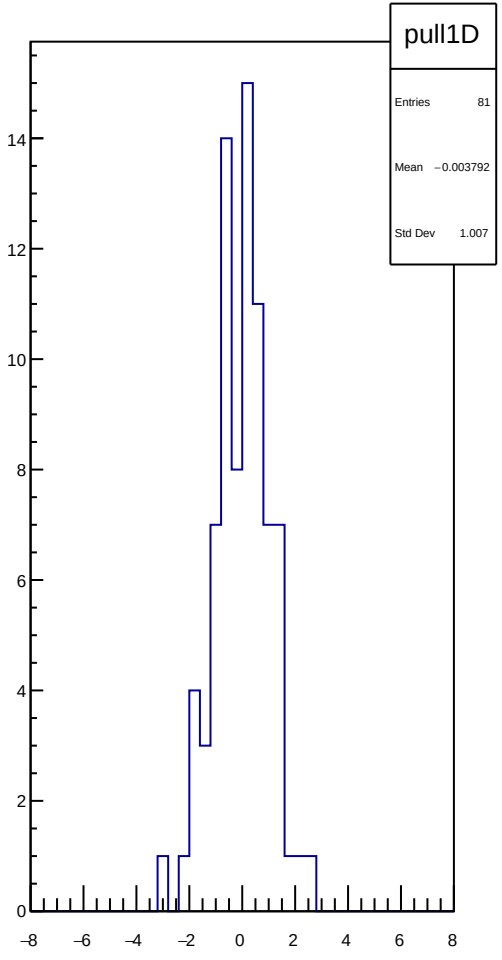

pull1D
Entries 81
Mean −0.001227
Std Dev 1.033

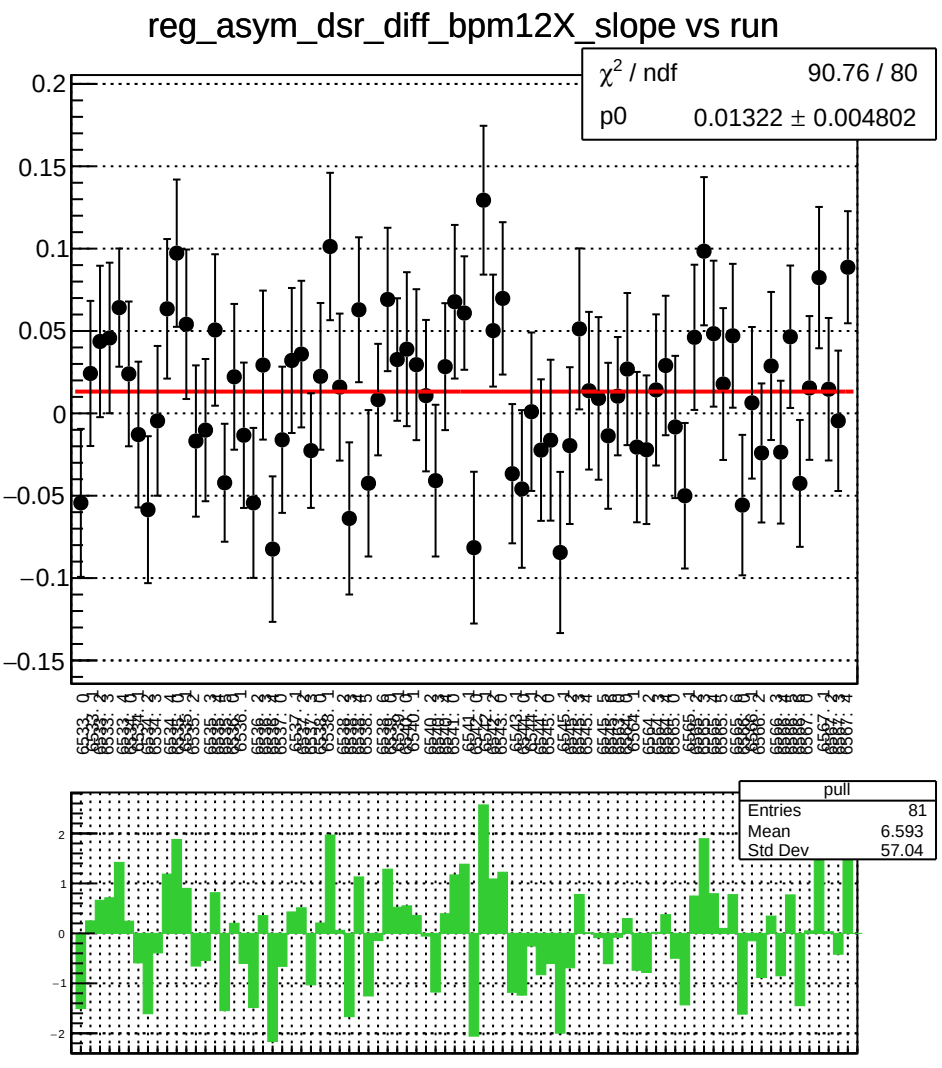

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 85.3 / 80
p0 −0.04017 ± 0.2274
pull
Entries 81
Mean −70.12
Std Dev 170.2
pull1D
Entries 81
Mean 0.004624
Std Dev 1.026

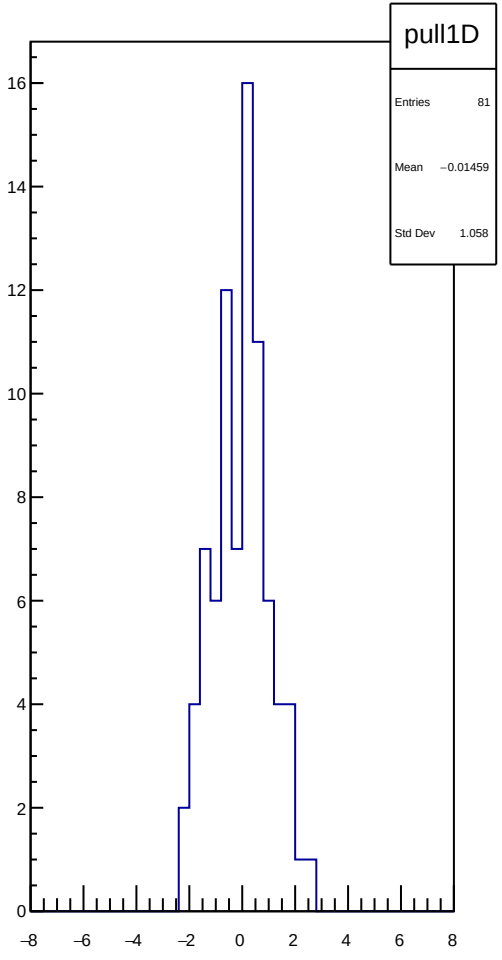

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 84.91 / 80
p0 −0.01493 ± 0.1358
pull
Entries 81
Mean −2381
Std Dev 2428

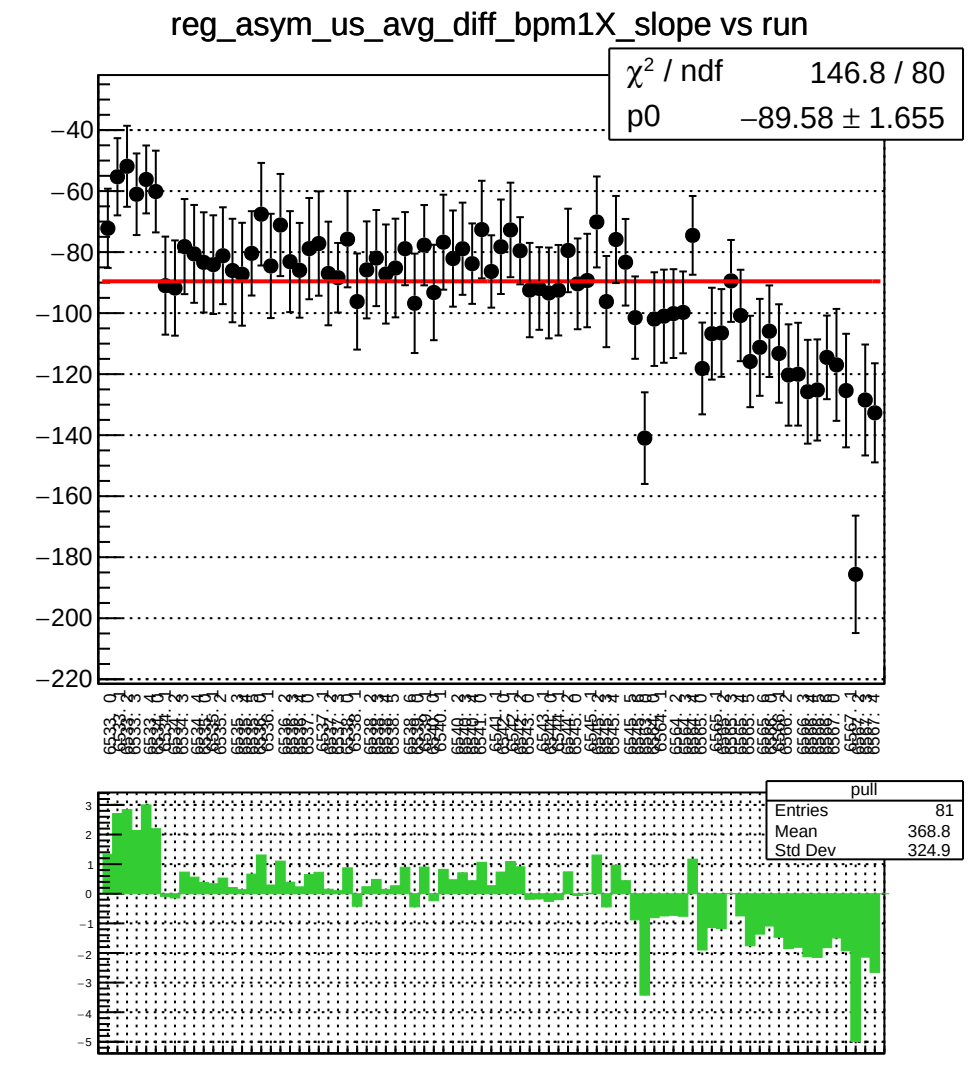

pull1D
Entries 81
Mean −0.001743
Std Dev 1.024

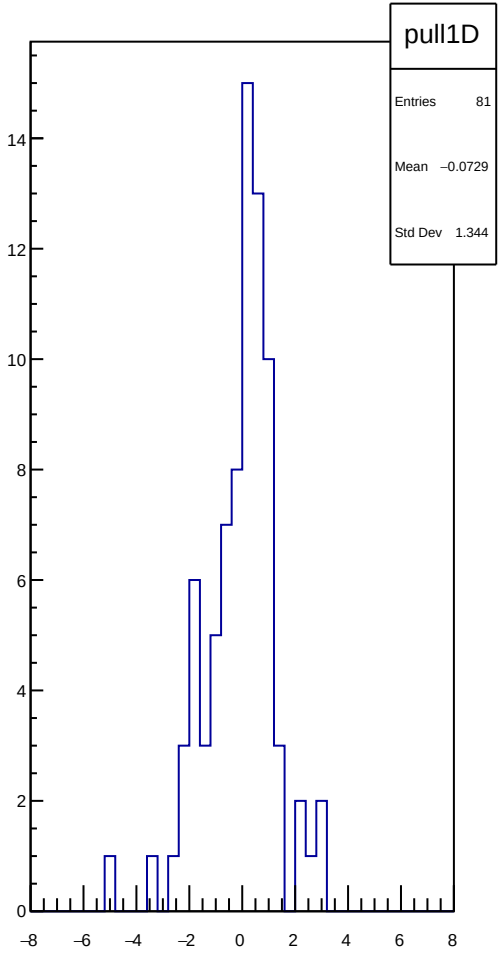

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 82.2 / 80
p0 0.07114 ± 0.2191
pull
Entries 81
Mean −110.9
Std Dev 154.1

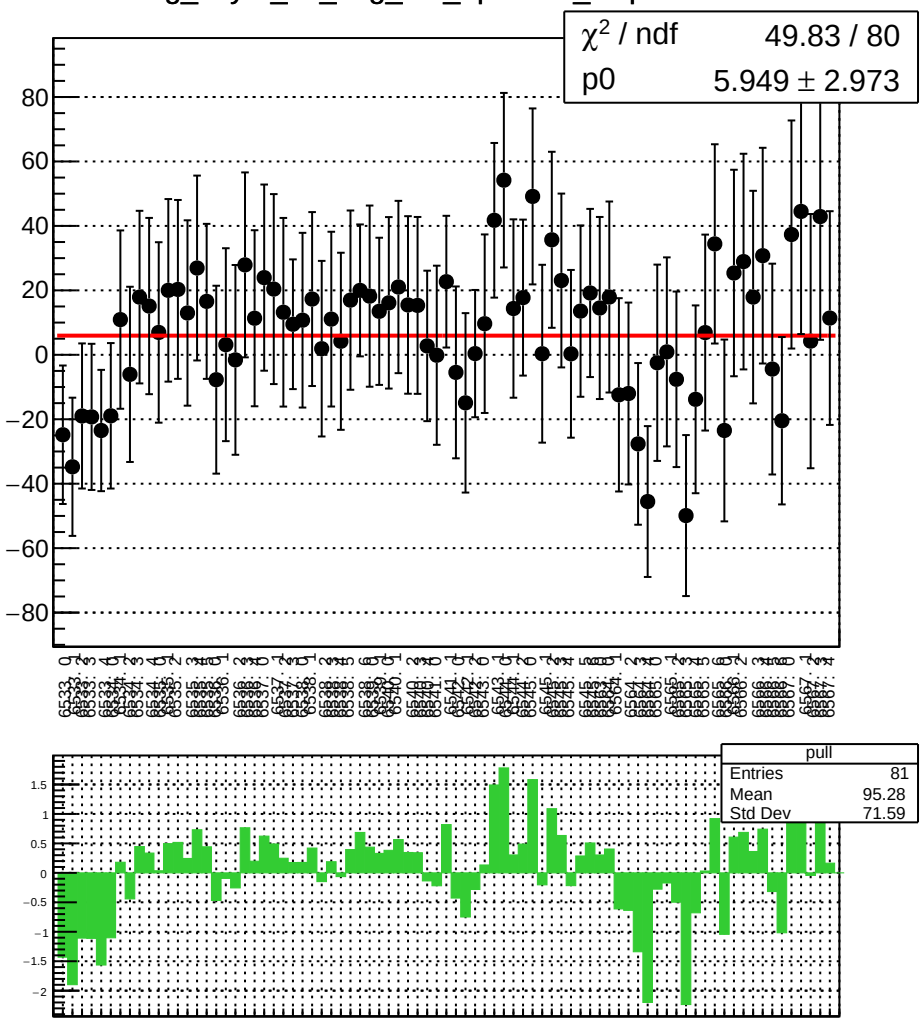

pull1D
Entries 81
Mean −0.003792
Std Dev 1.007

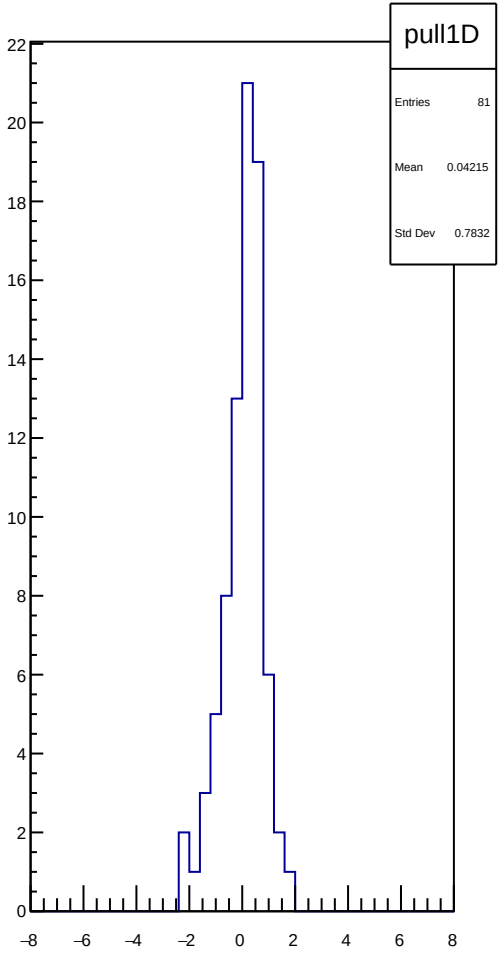

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 90.76 / 80
p0 0.01322 ± 0.004802
pull
Entries 81
Mean 6.593
Std Dev 57.04

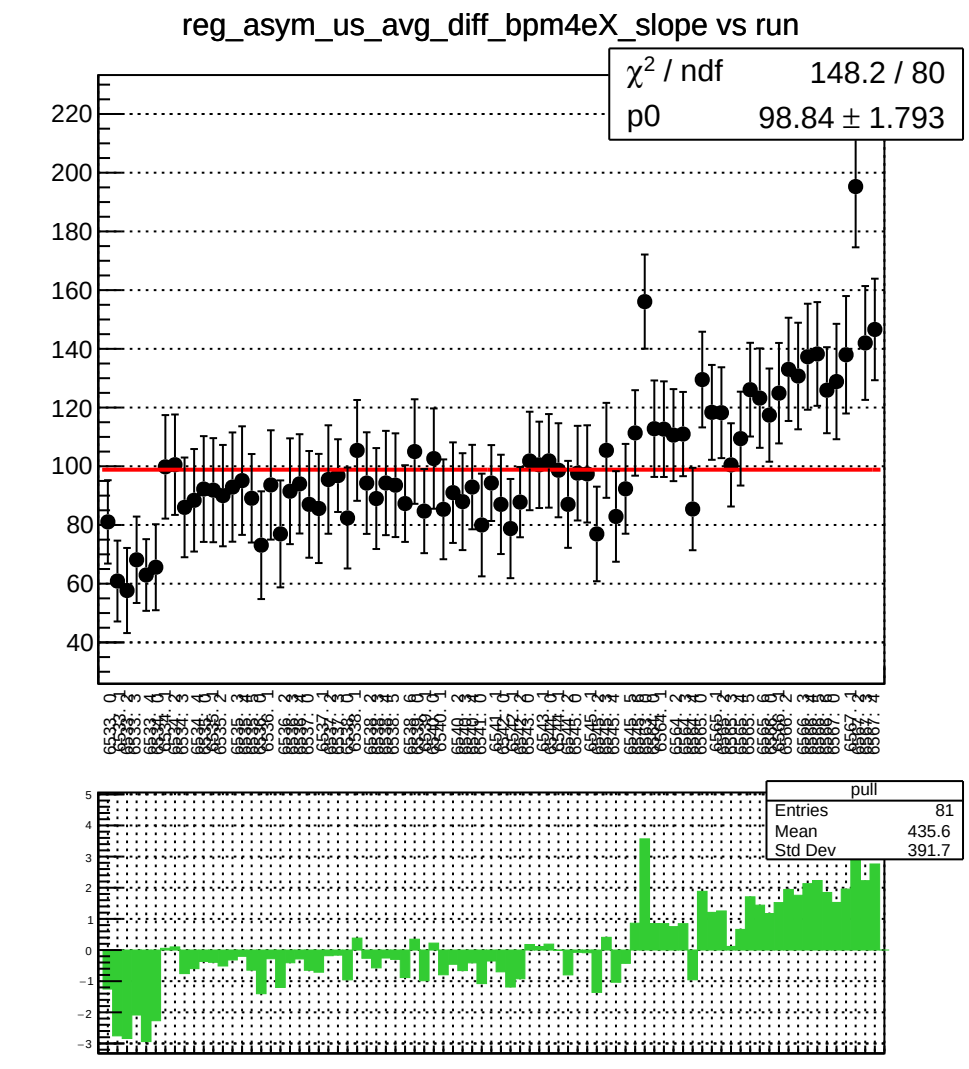

pull1D
Entries 81
Mean −0.01459
Std Dev 1.058

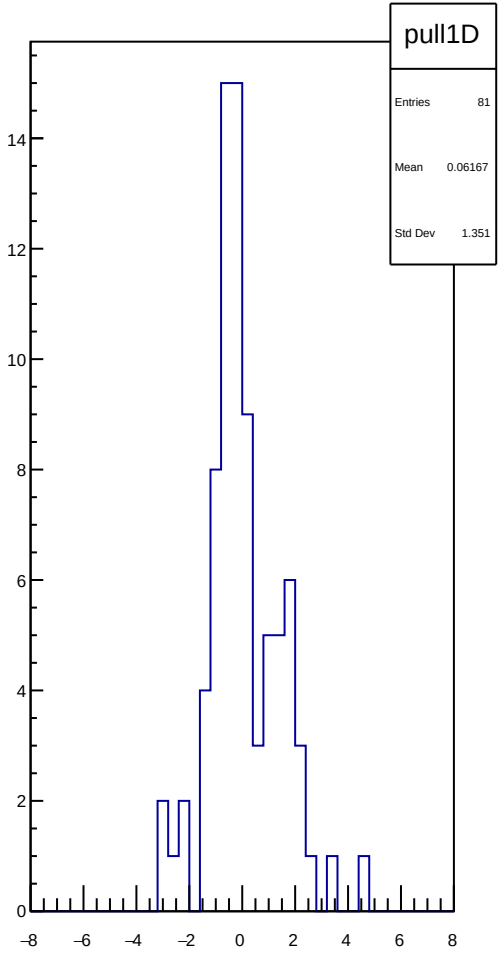

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 146.8 / 80
p0 −89.58 ± 1.655
pull
Entries 81
Mean 368.8
Std Dev 324.9

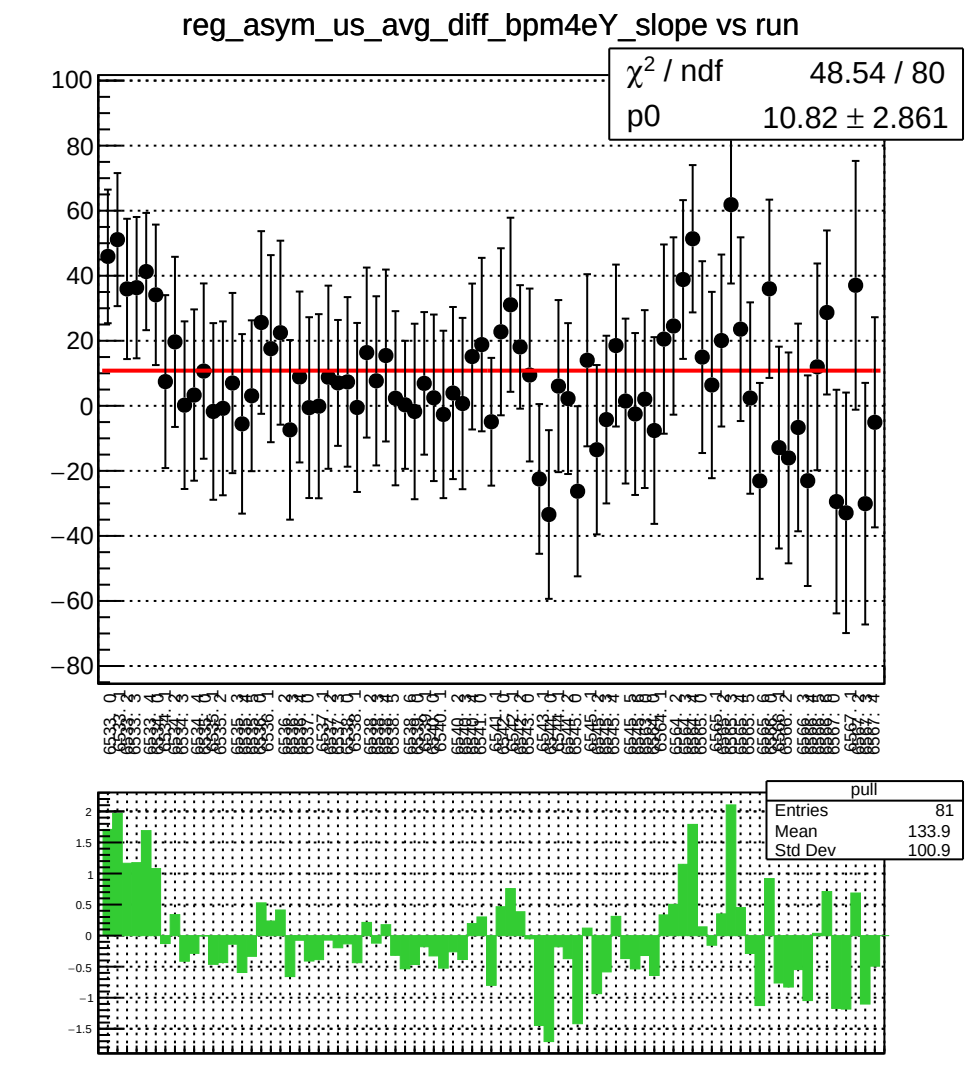

pull1D
Entries 81
Mean −0.0729
Std Dev 1.344

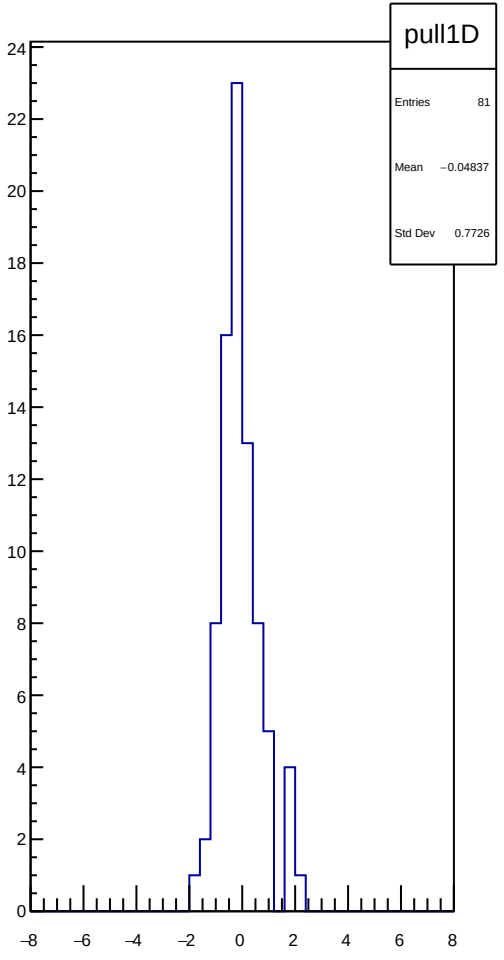

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.83 / 80
p0 5.949 ± 2.973
pull
Entries 81
Mean 95.28
Std Dev 71.59

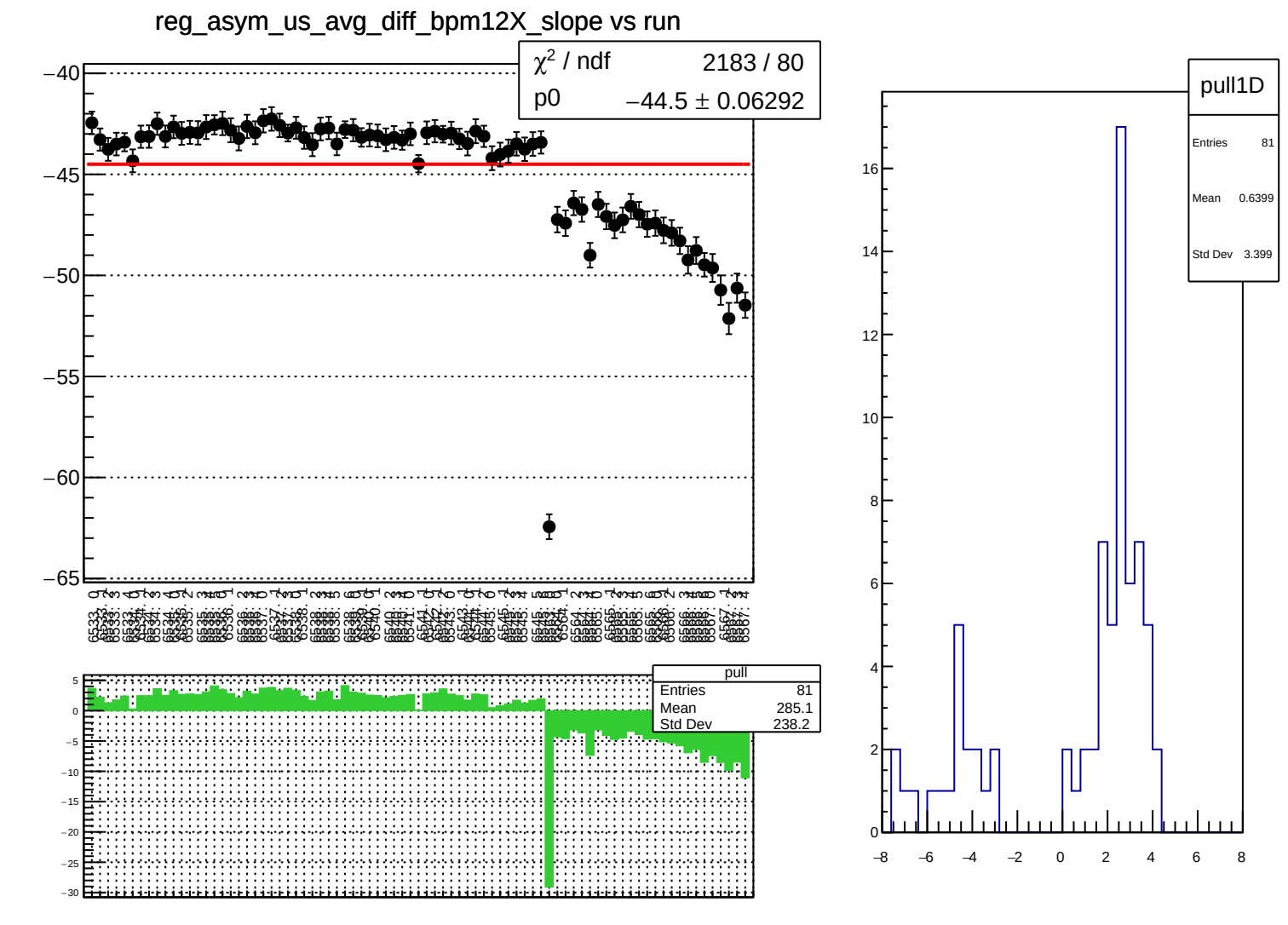

pull1D
Entries 81
Mean 0.04215
Std Dev 0.7832

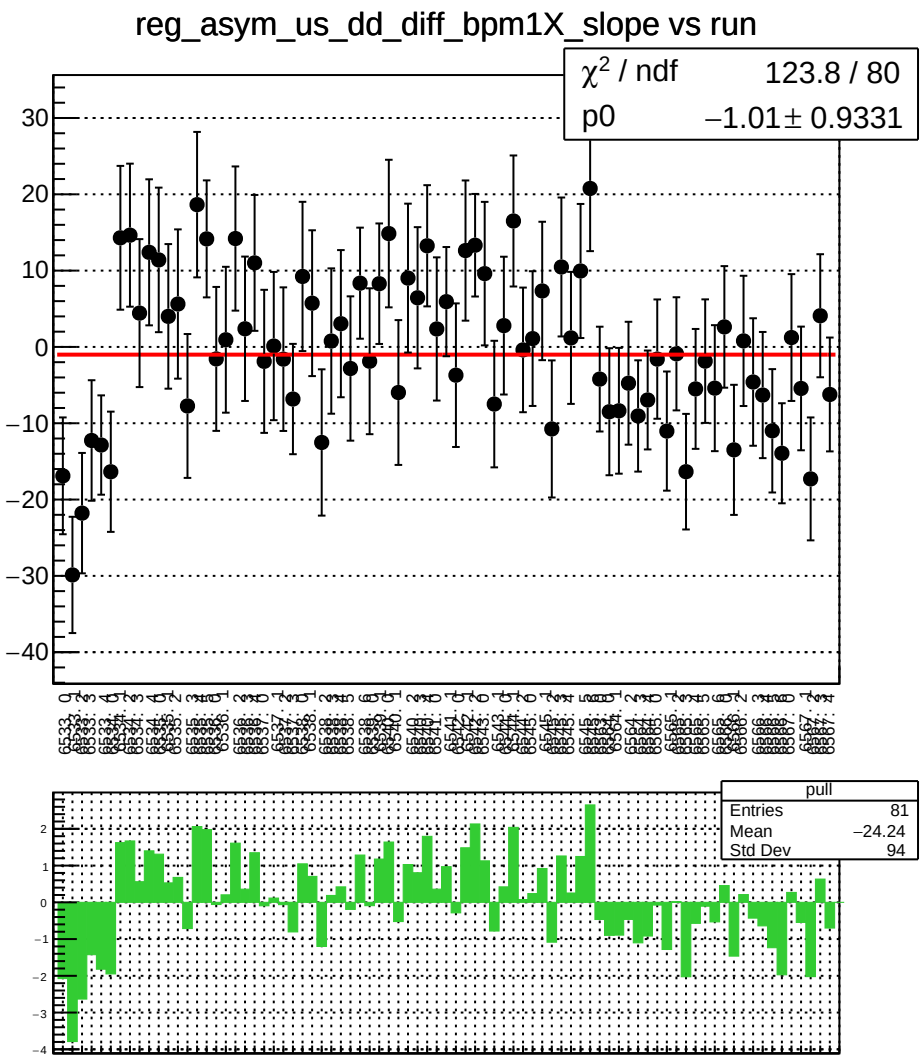

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 148.2 / 80
p0 98.84 ± 1.793
pull
Entries 81
Mean 435.6
Std Dev 391.7

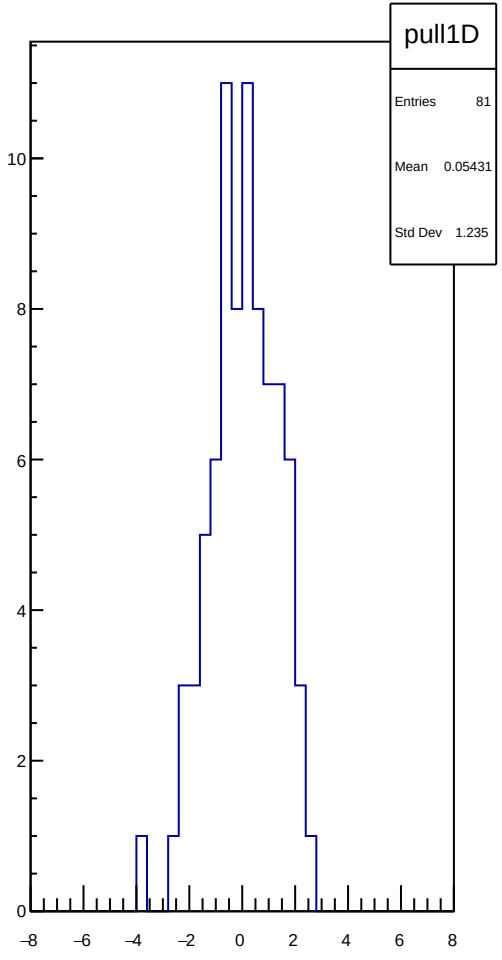

pull1D
Entries 81
Mean 0.06167
Std Dev 1.351

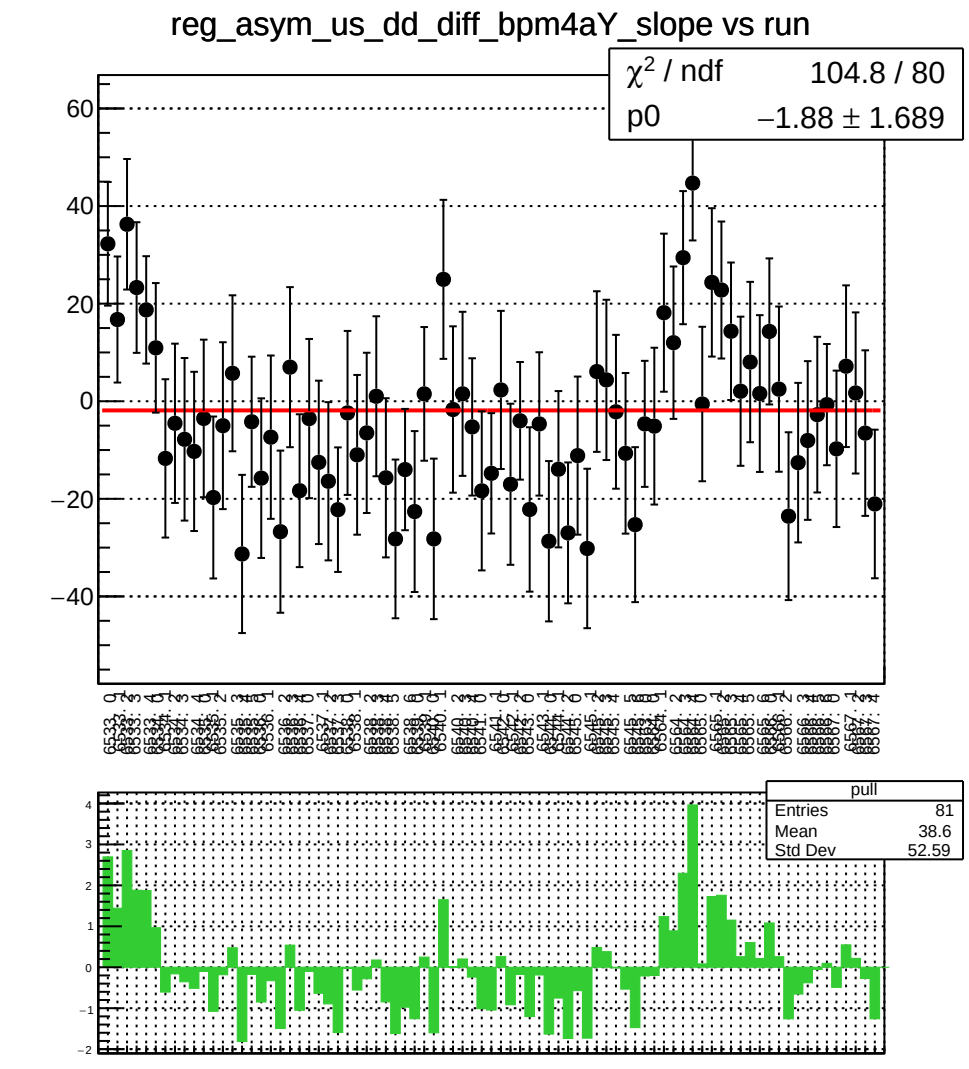

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.54 / 80
p0 10.82 ± 2.861
pull
Entries 81
Mean 133.9
Std Dev 100.9

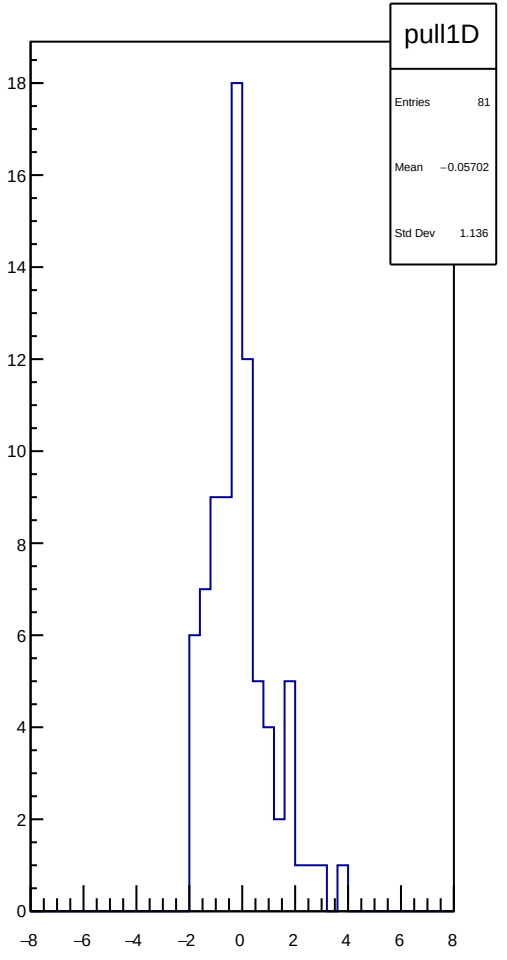

pull1D
Entries 81
Mean −0.04837
Std Dev 0.7726

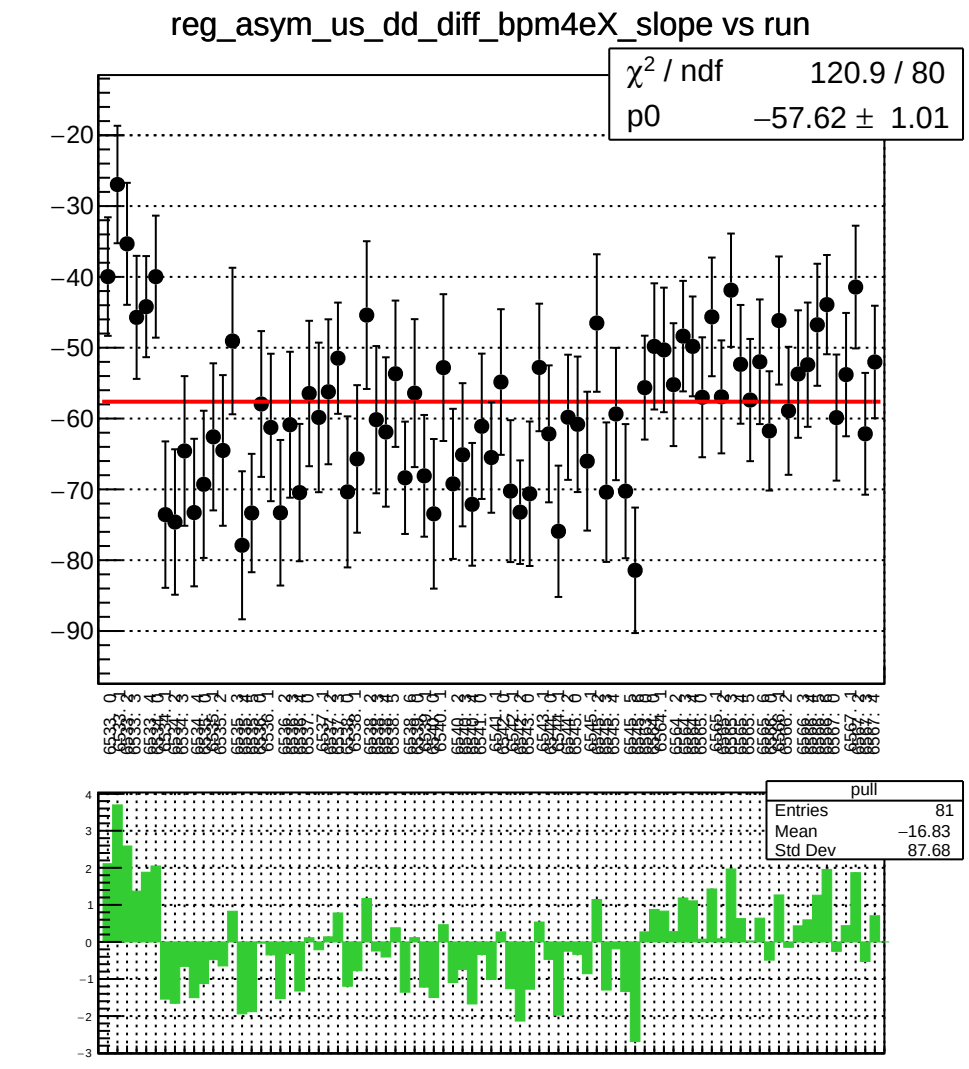

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 2183 / 80
p0 −44.5 ± 0.06292
pull
Entries 81
Mean 285.1
Std Dev 238.2
pull1D
Entries 81
Mean 0.6399
Std Dev 3.399

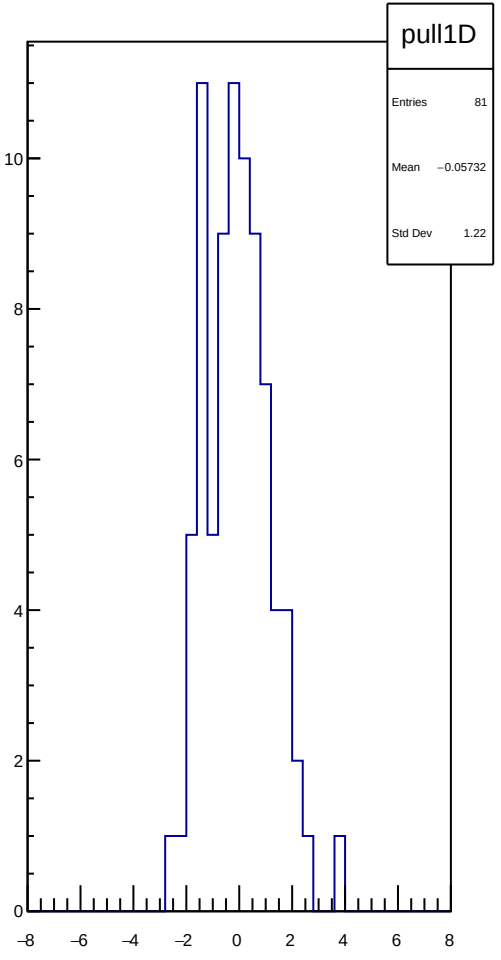

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 123.8 / 80
p0 −1.01 ± 0.9331
pull
Entries 81
Mean −24.24
Std Dev 94

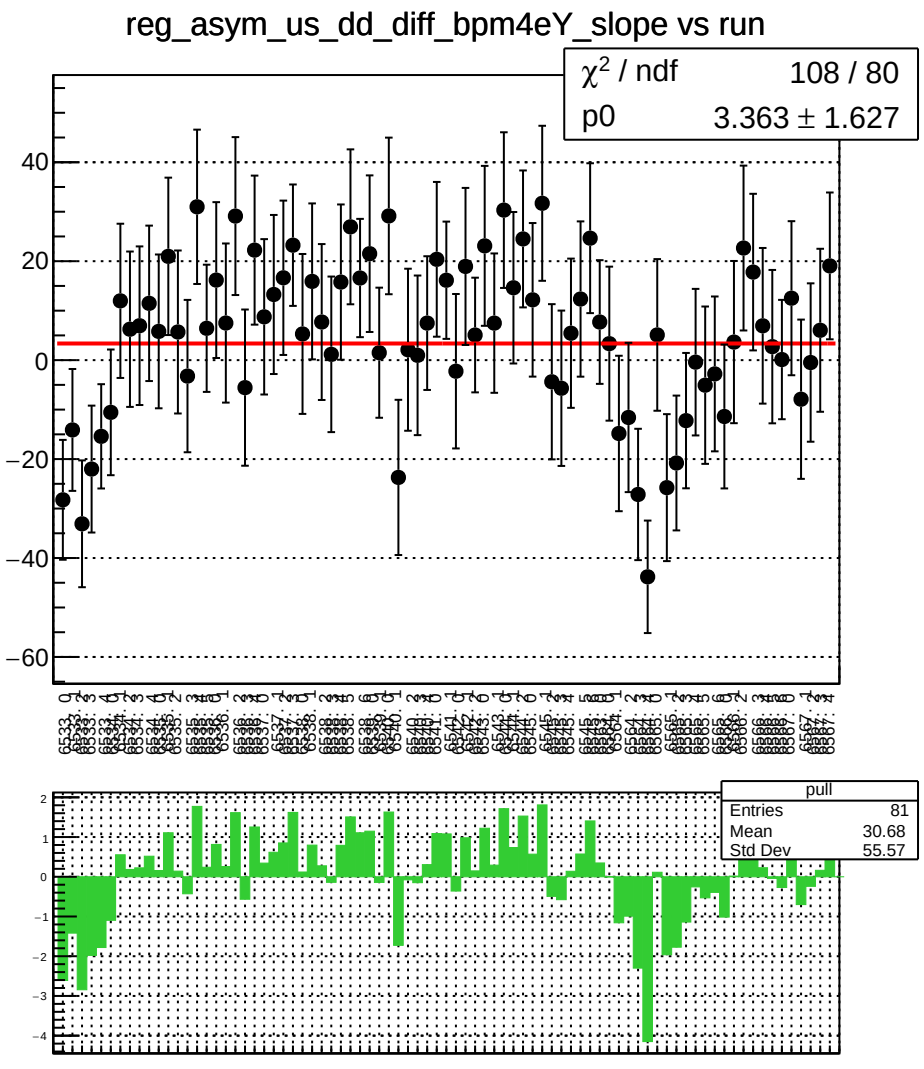

pull1D
Entries 81
Mean 0.05431
Std Dev 1.235

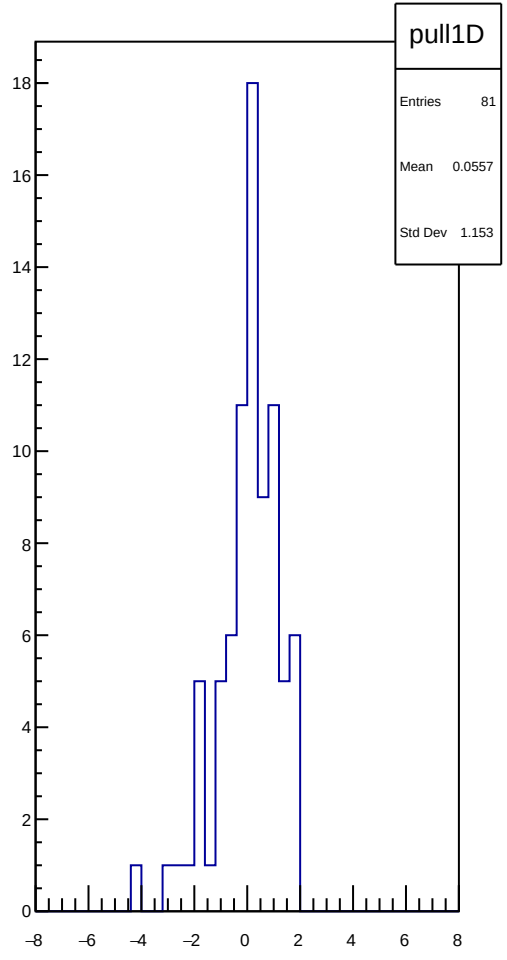

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 104.8 / 80
p0 −1.88 ± 1.689
pull
Entries 81
Mean 38.6
Std Dev 52.59

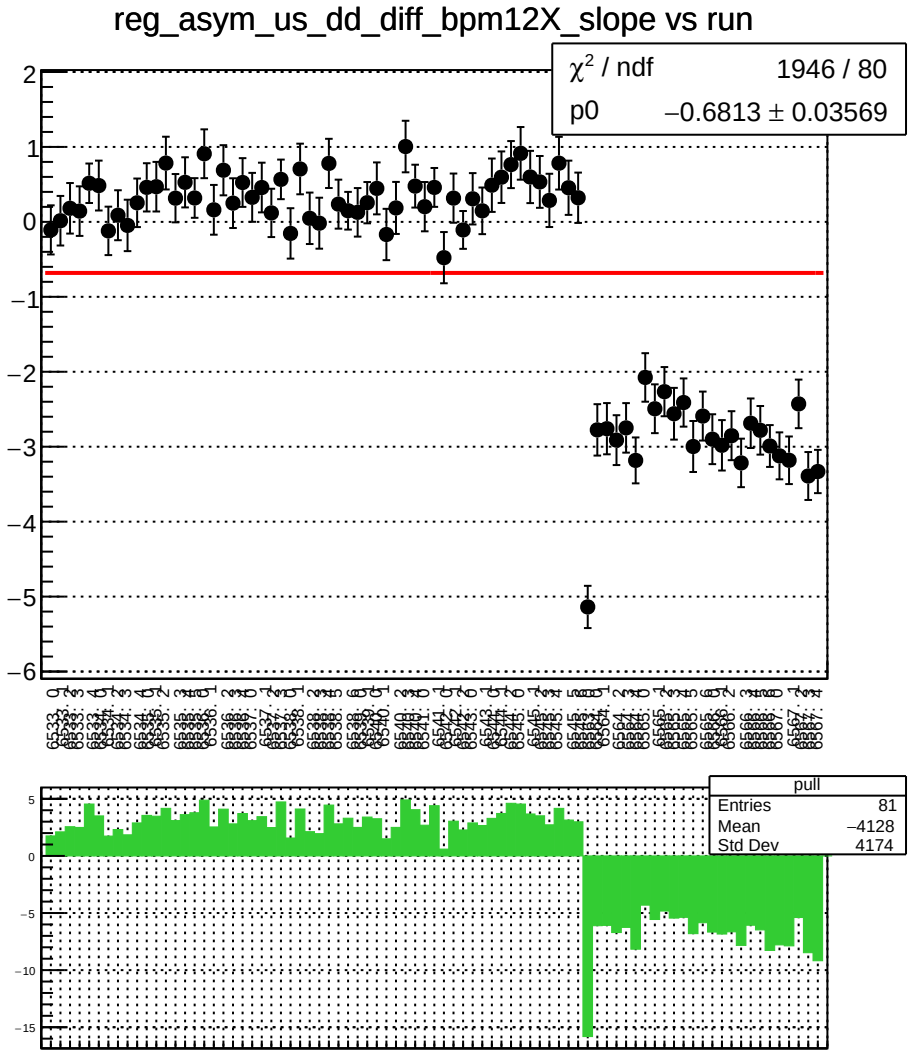

pull1D
Entries 81
Mean −0.05702
Std Dev 1.136

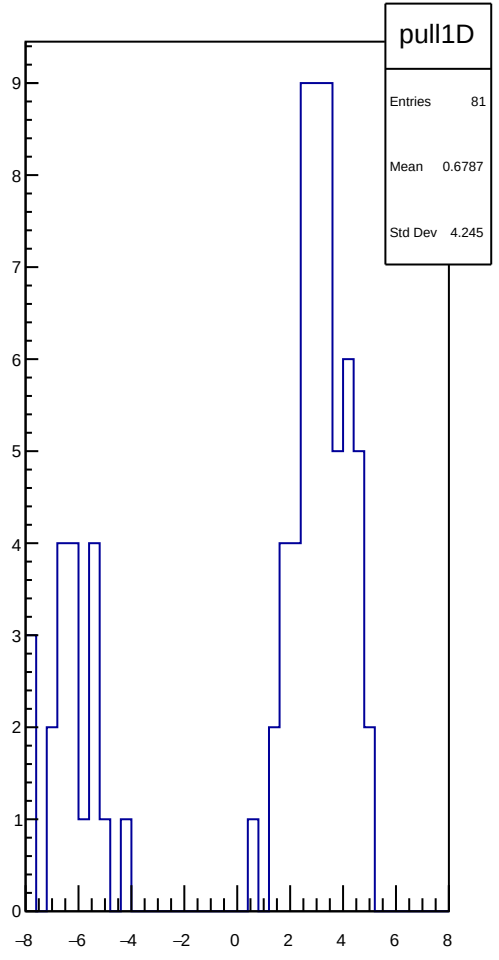

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 120.9 / 80
p0 −57.62 ± 1.01
pull
Entries 81
Mean −16.83
Std Dev 87.68

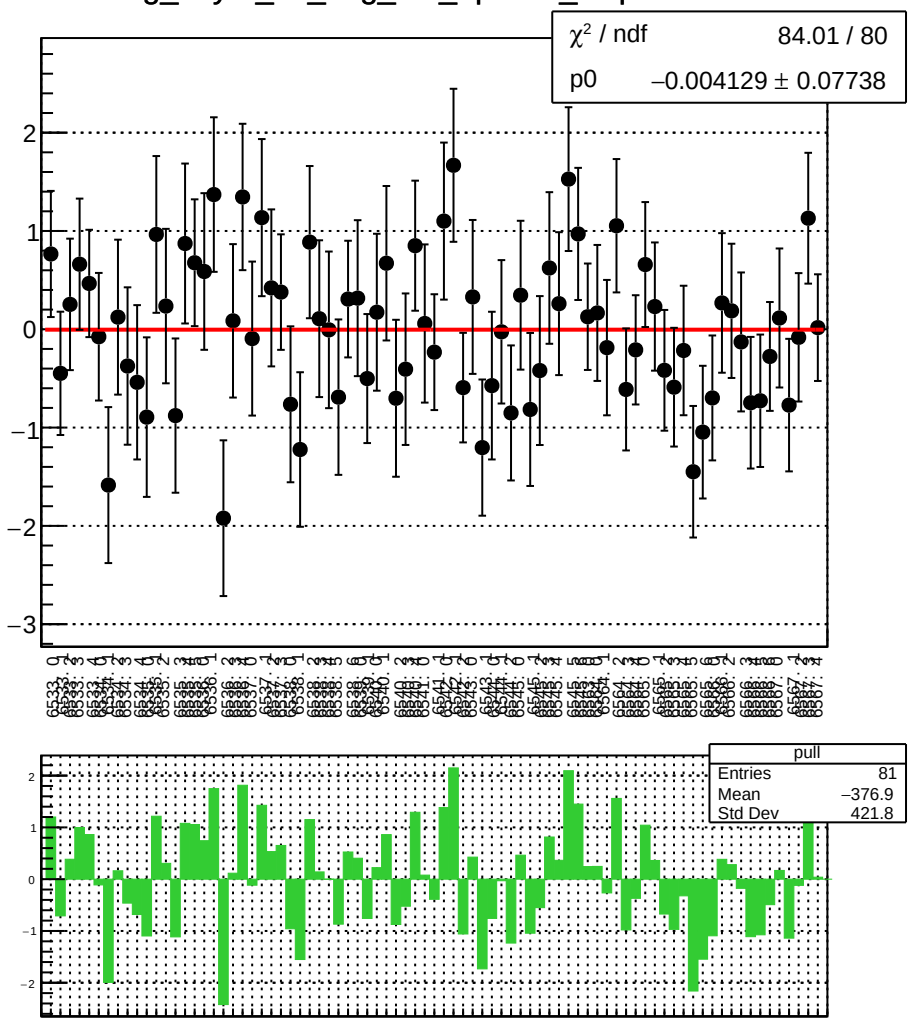

pull1D
Entries 81
Mean −0.05732
Std Dev 1.22

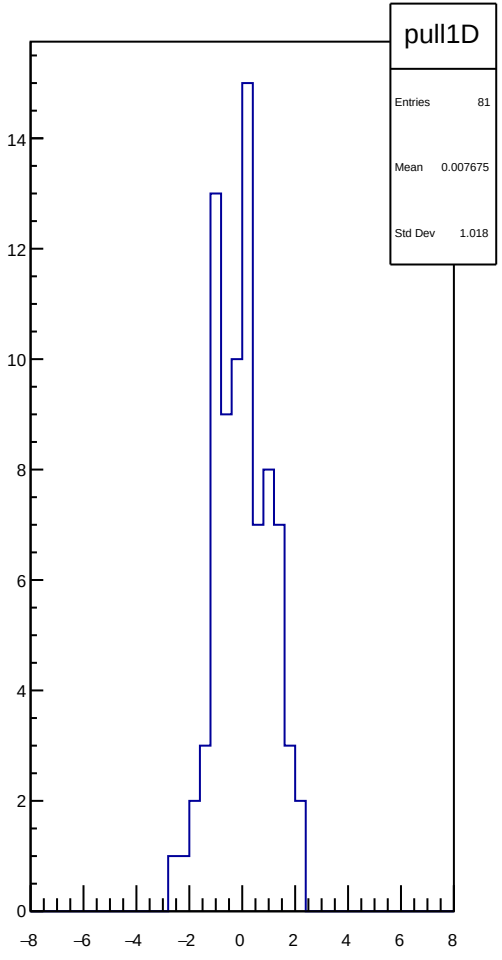

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 108 / 80
p0 3.363 ± 1.627
pull
Entries 81
Mean 30.68
Std Dev 55.57

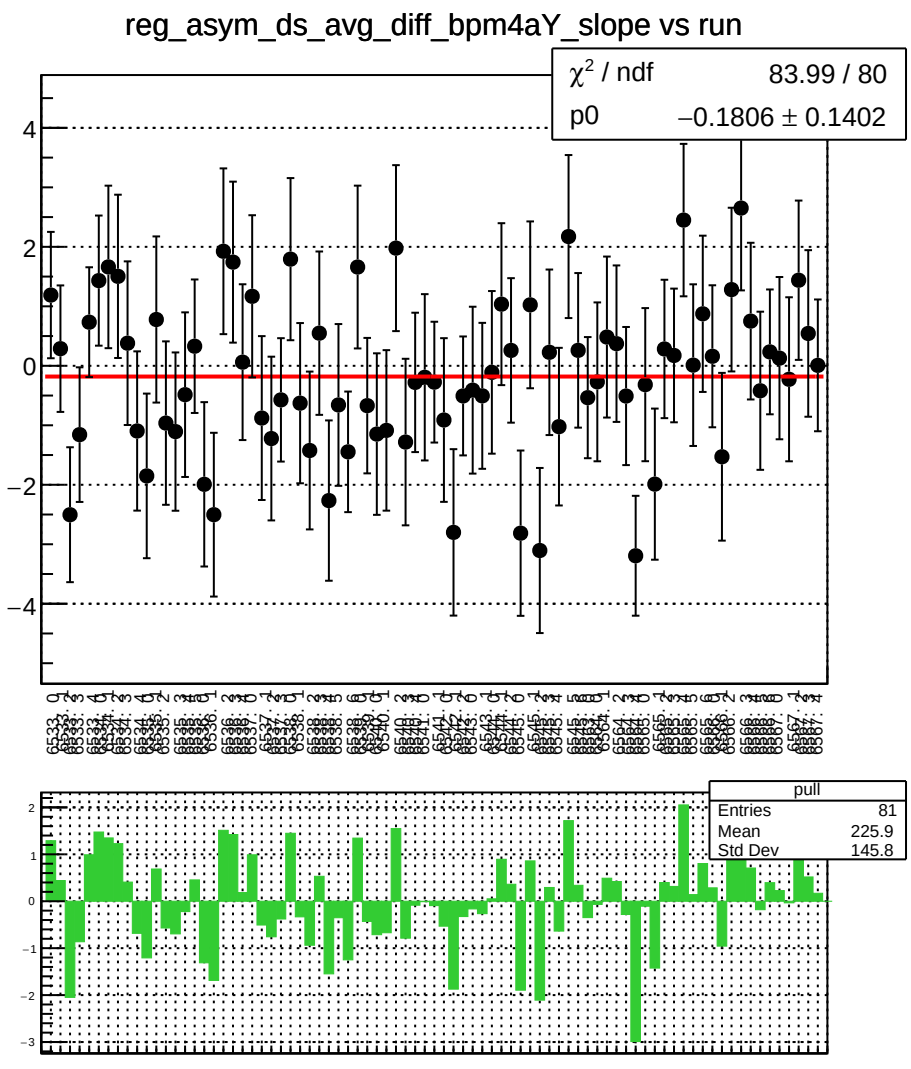

pull1D
Entries 81
Mean 0.0557
Std Dev 1.153

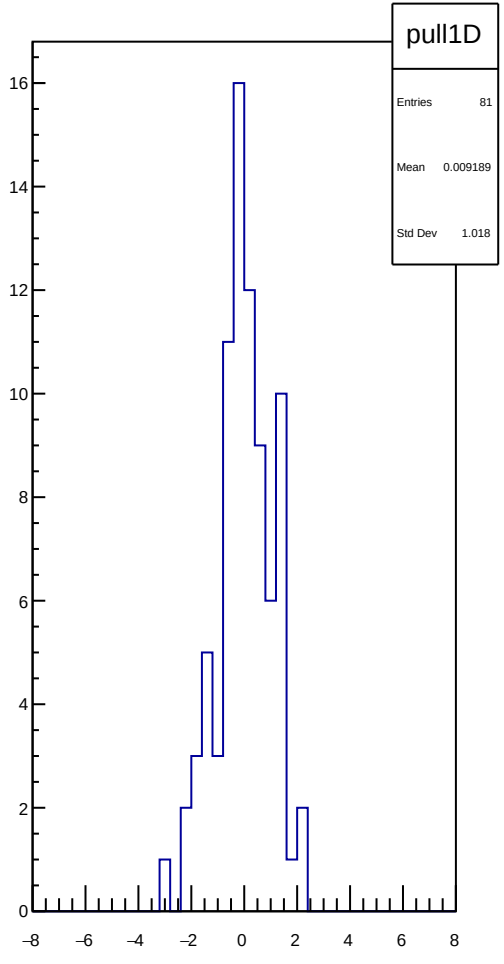

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 1946 / 80
p0 −0.6813 ± 0.03569
pull
Entries 81
Mean −4128
Std Dev 4174

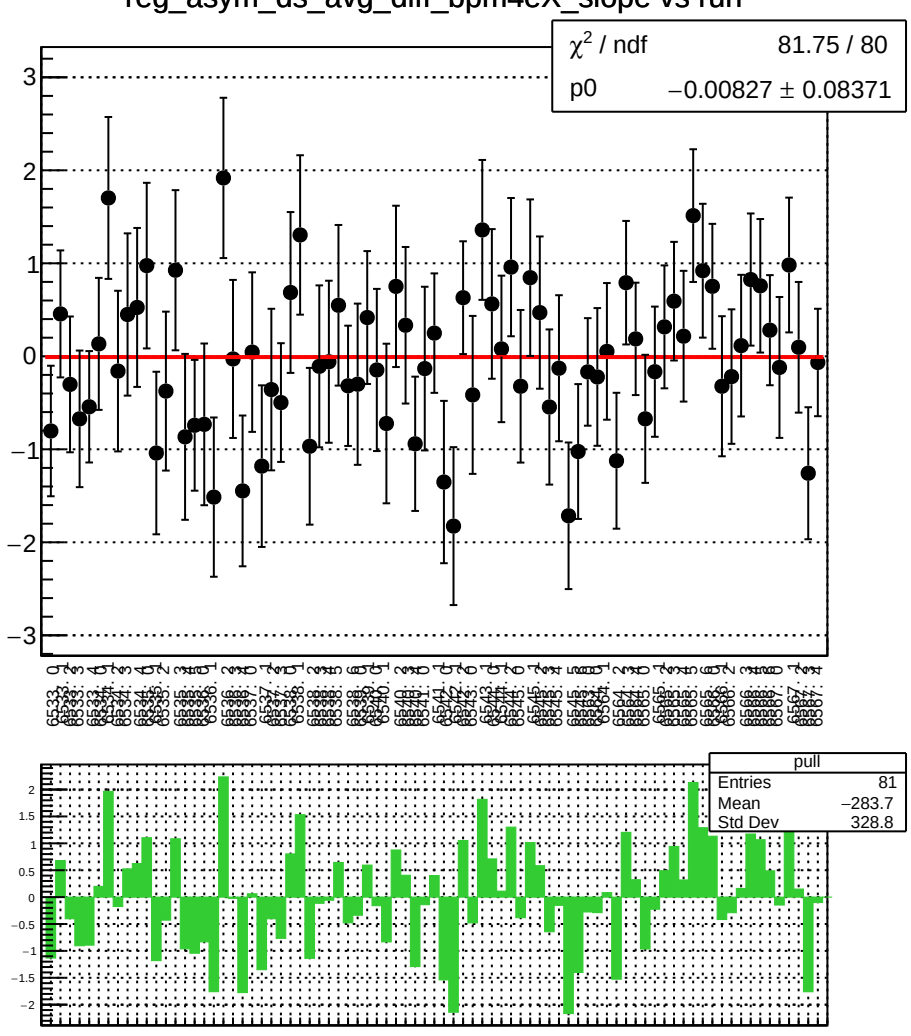

pull1D
Entries 81
Mean 0.6787
Std Dev 4.245

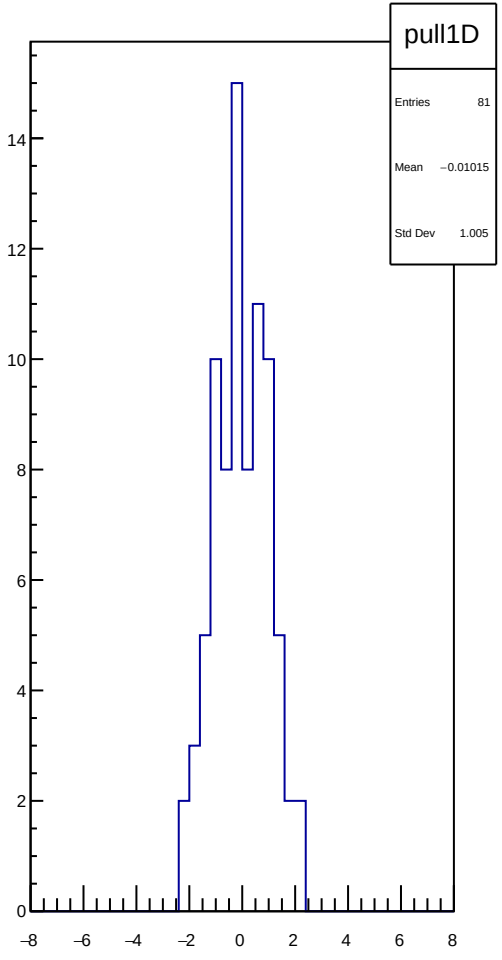

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 84.01 / 80
p0 −0.004129 ± 0.07738
pull
Entries 81
Mean −376.9
Std Dev 421.8

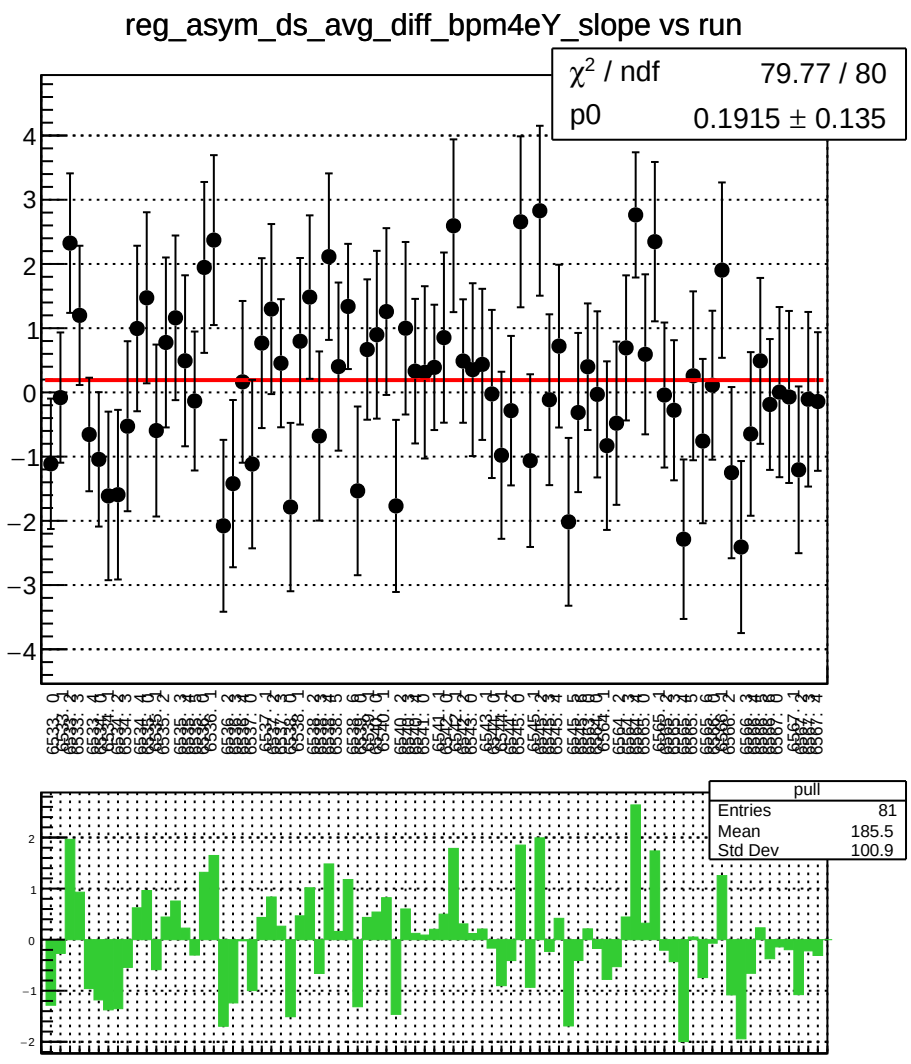

pull1D
Entries 81
Mean 0.007675
Std Dev 1.018

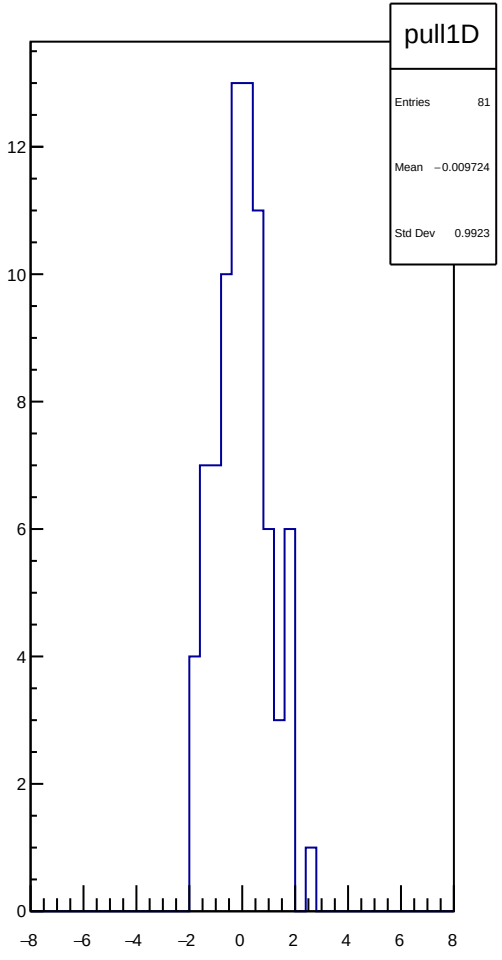

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 83.99 / 80
p0 −0.1806 ± 0.1402
pull
Entries 81
Mean 225.9
Std Dev 145.8

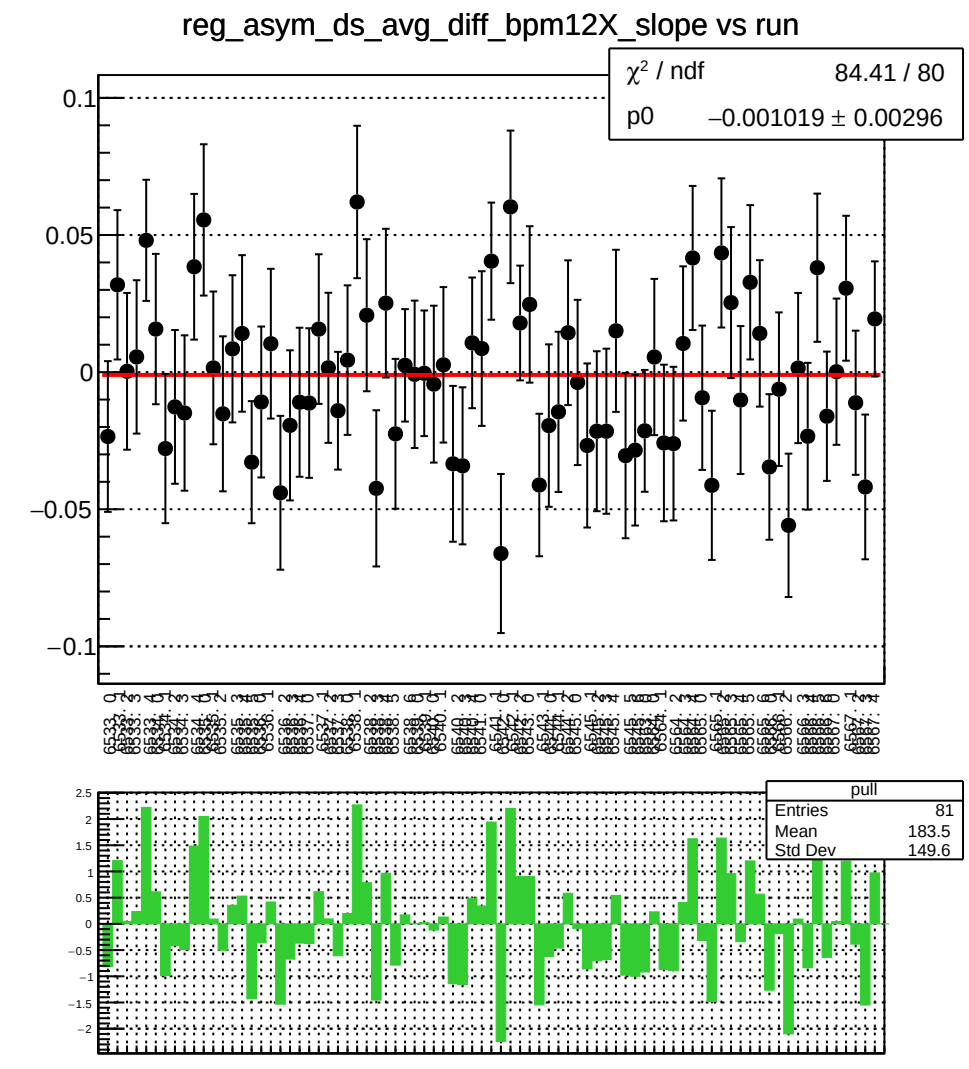

pull1D
Entries 81
Mean 0.009189
Std Dev 1.018

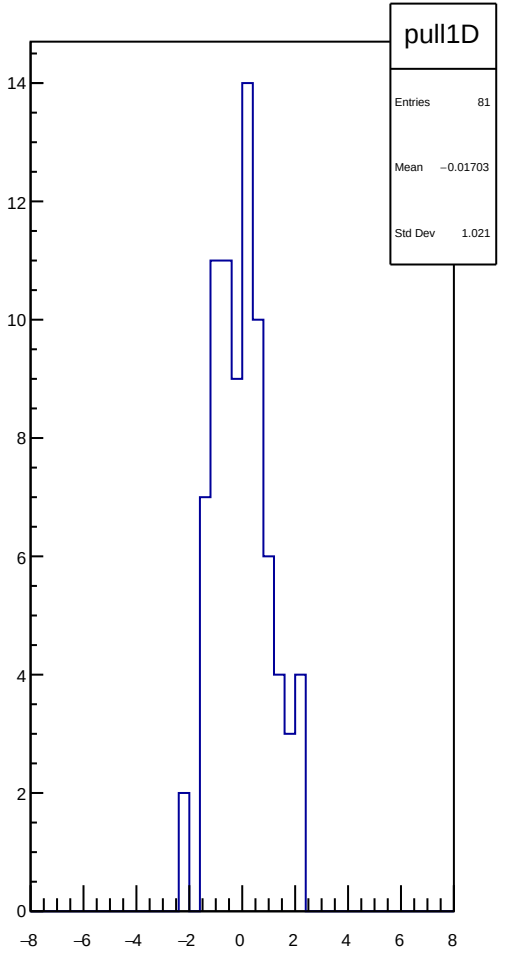

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.75 / 80
p0 −0.00827 ± 0.08371
pull
Entries 81
Mean −283.7
Std Dev 328.8

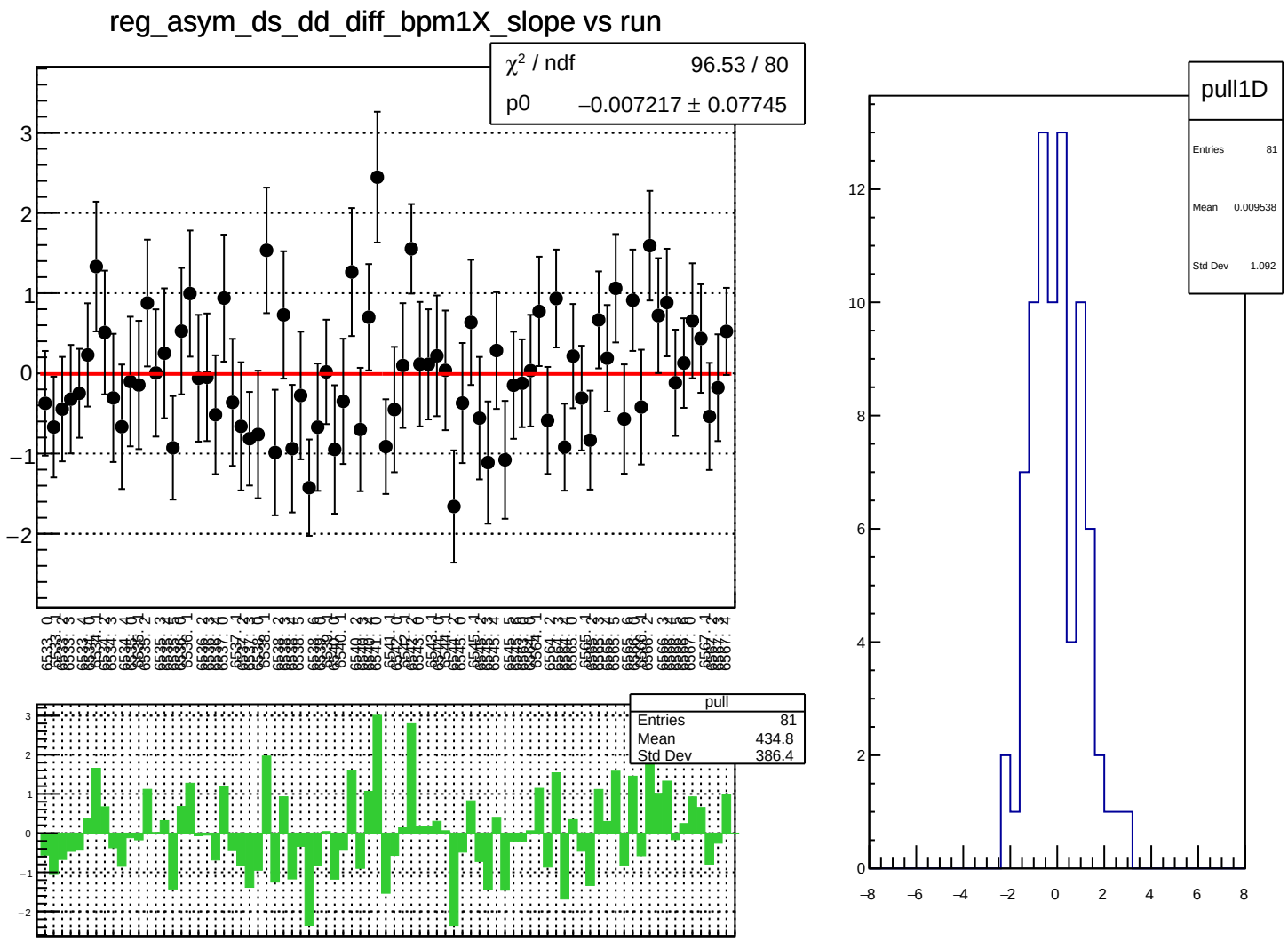

pull1D
Entries 81
Mean −0.01015
Std Dev 1.005

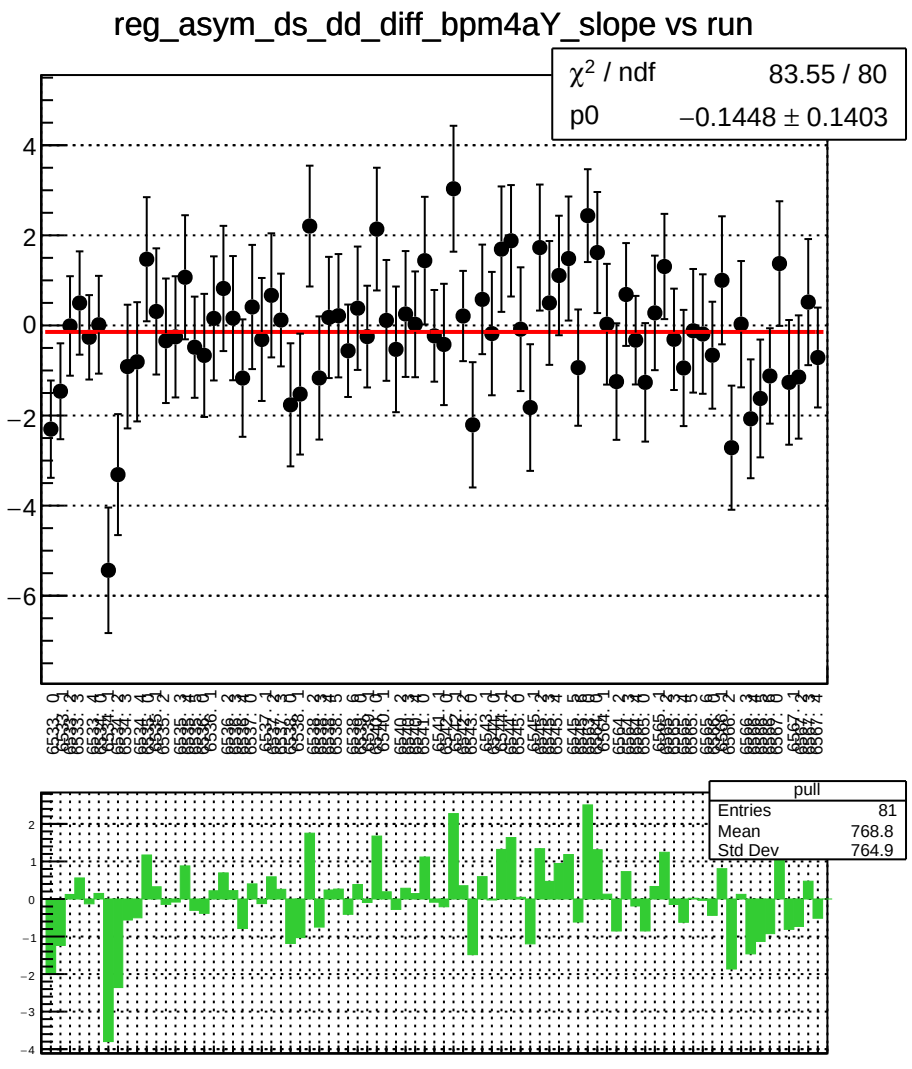

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.77 / 80
p0 0.1915 ± 0.135
pull
Entries 81
Mean 185.5
Std Dev 100.9

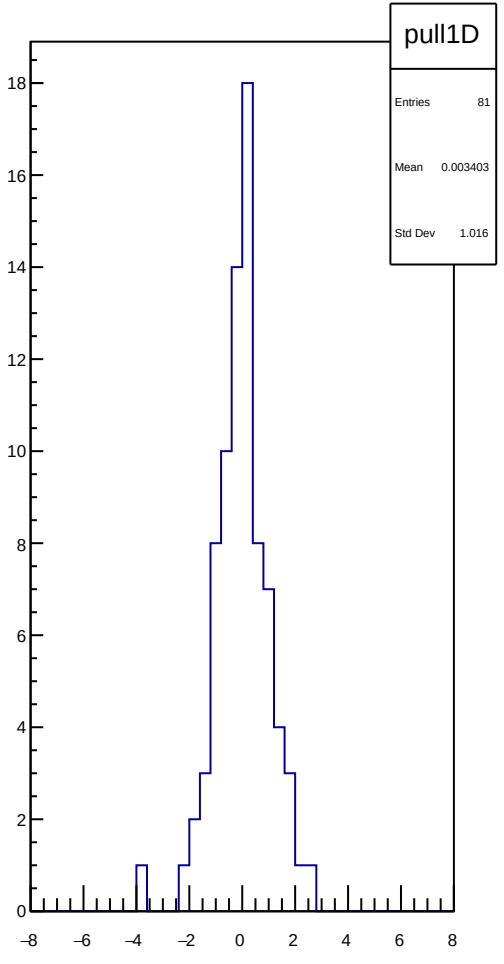

pull1D
Entries 81
Mean −0.009724
Std Dev 0.9923

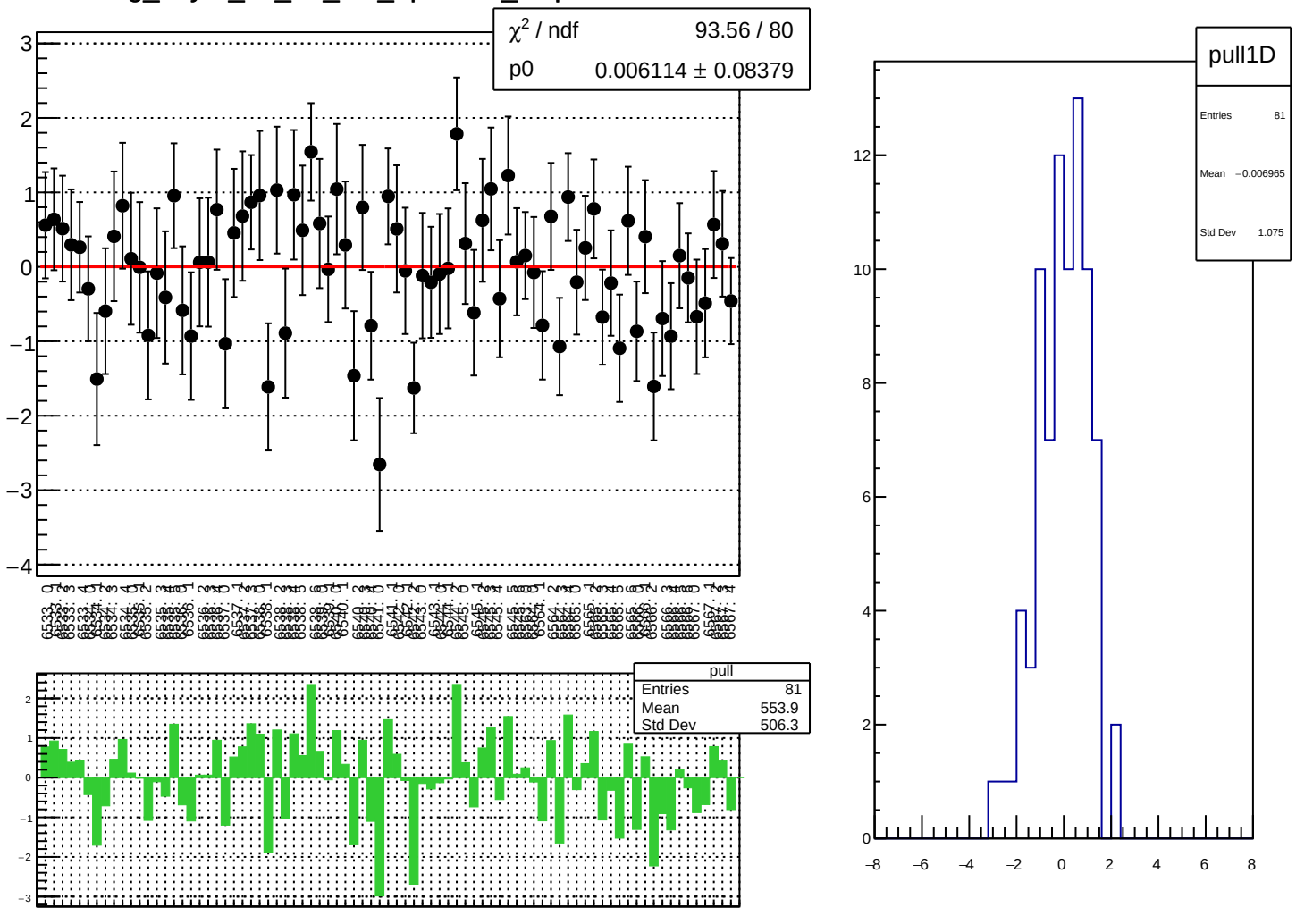

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 84.41 / 80
p0 −0.001019 ± 0.00296
0.1
0.05
0
−0.05
−0.1
pull
Entries 81
Mean 183.5
Std Dev 149.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

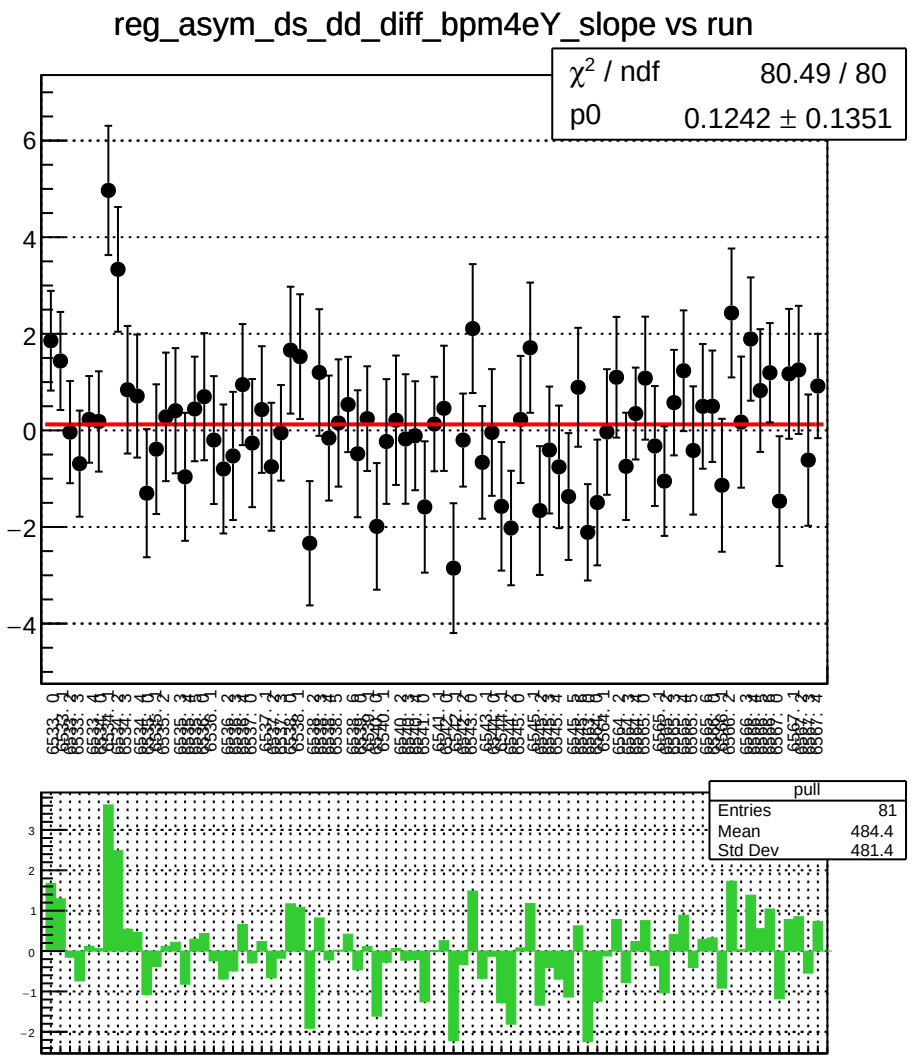

pull1D
Entries 81
Mean −0.01703
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

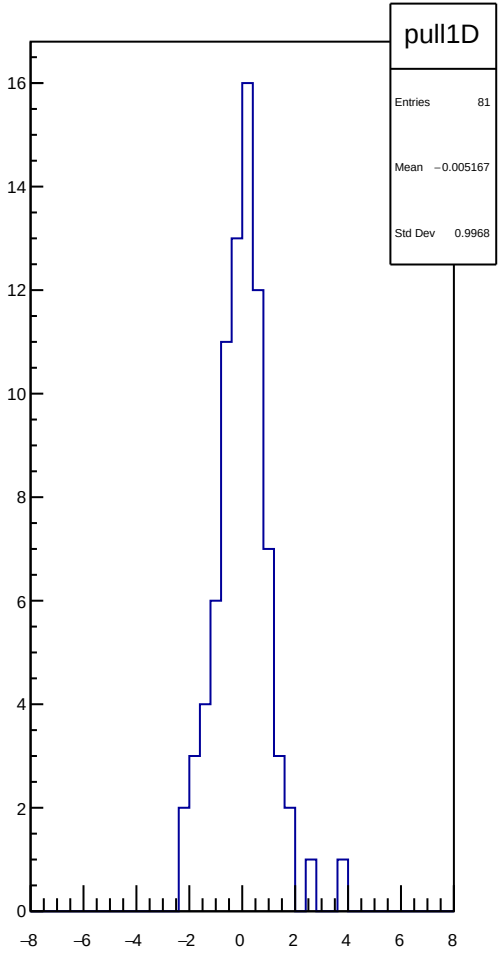

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 96.53 / 80
p0 −0.007217 ± 0.07745
pull
Entries 81
Mean 434.8
Std Dev 386.4
pull1D
Entries 81
Mean 0.009538
Std Dev 1.092

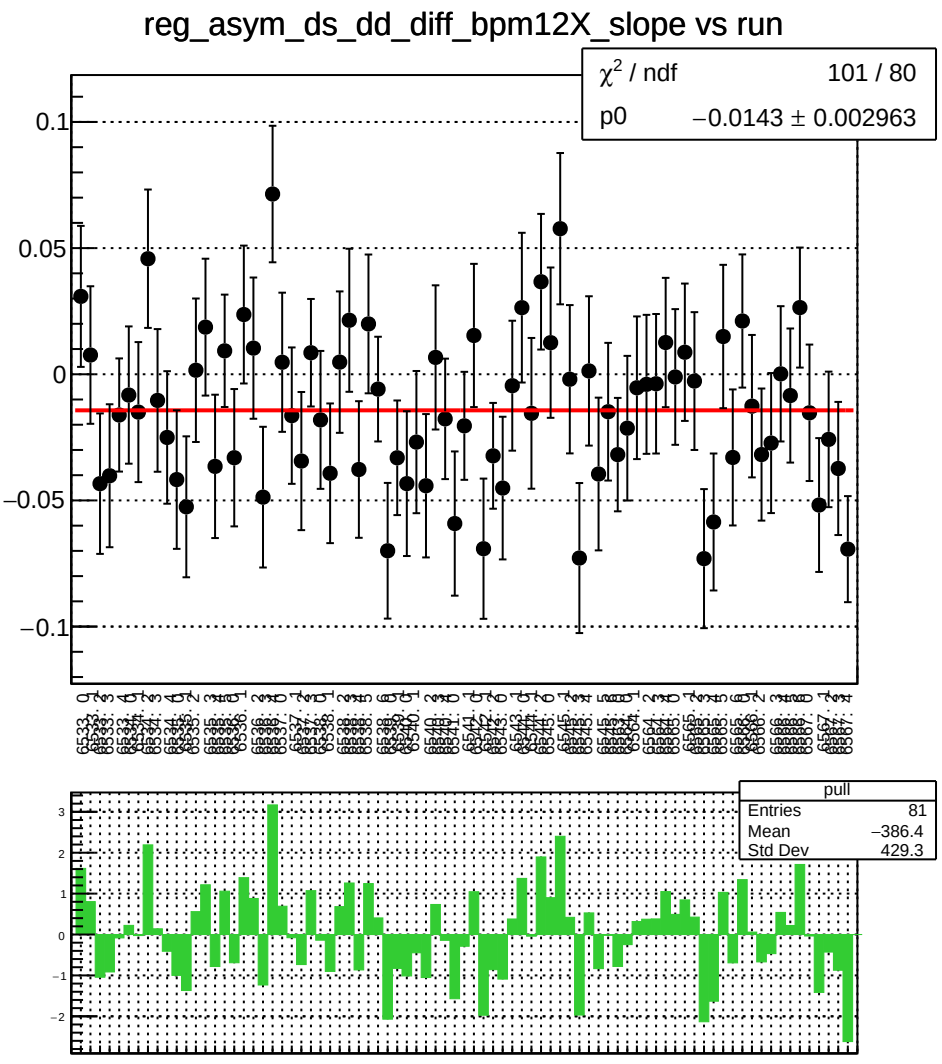

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 83.55 / 80
p0 −0.1448 ± 0.1403
pull
Entries 81
Mean 768.8
Std Dev 764.9

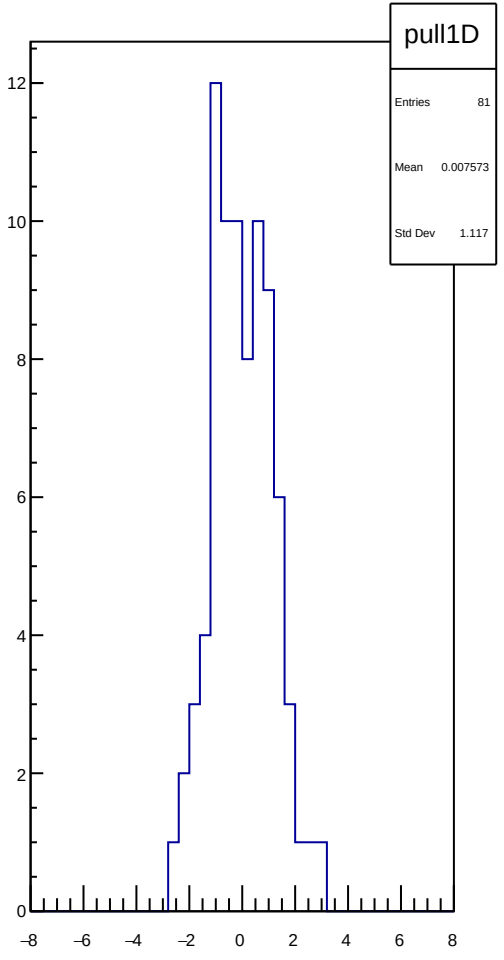

pull1D
Entries 81
Mean 0.003403
Std Dev 1.016

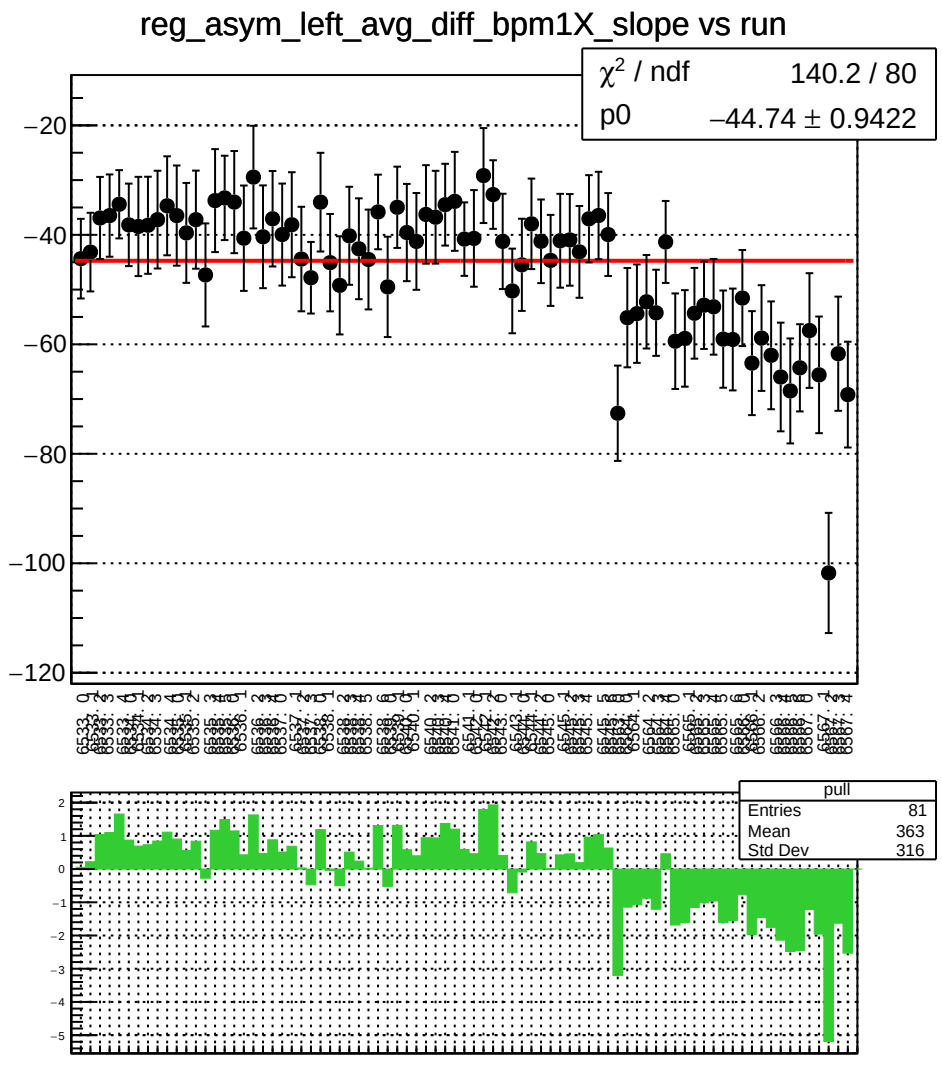

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.56 / 80
p0 0.006114 ± 0.08379
pull
Entries 81
Mean 553.9
Std Dev 506.3
pull1D
Entries 81
Mean −0.006965
Std Dev 1.075

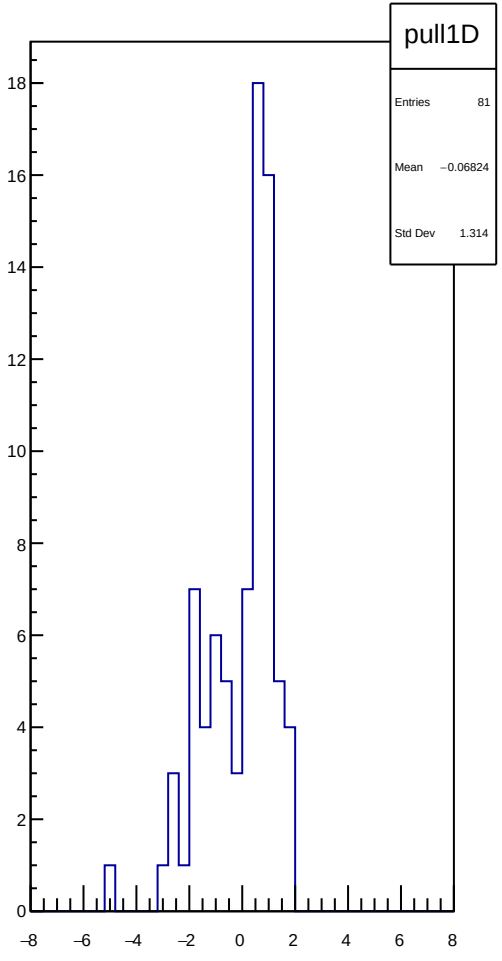

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 80.49 / 80
p0 0.1242 ± 0.1351
pull
Entries 81
Mean 484.4
Std Dev 481.4

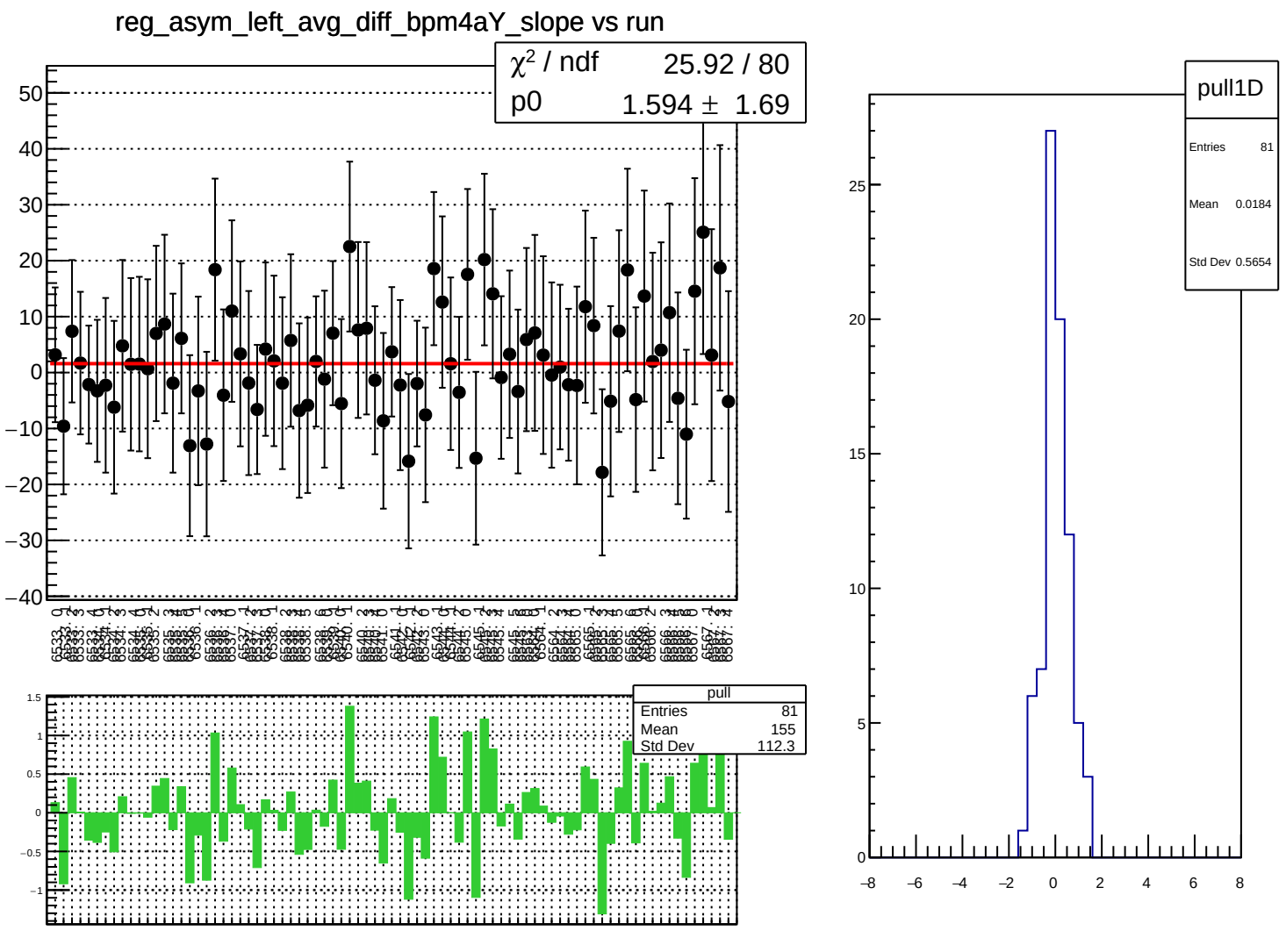

pull1D
Entries 81
Mean −0.005167
Std Dev 0.9968

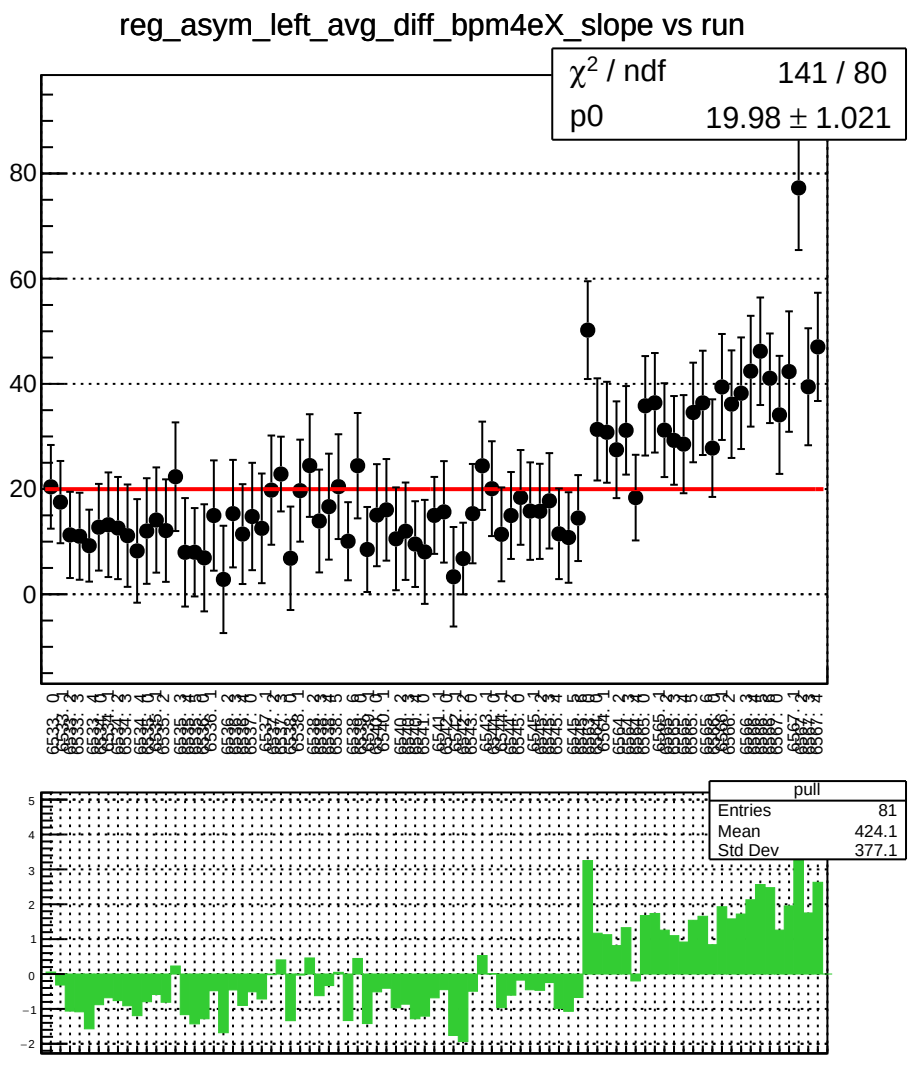

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 101 / 80
p0 −0.0143 ± 0.002963
pull
Entries 81
Mean −386.4
Std Dev 429.3

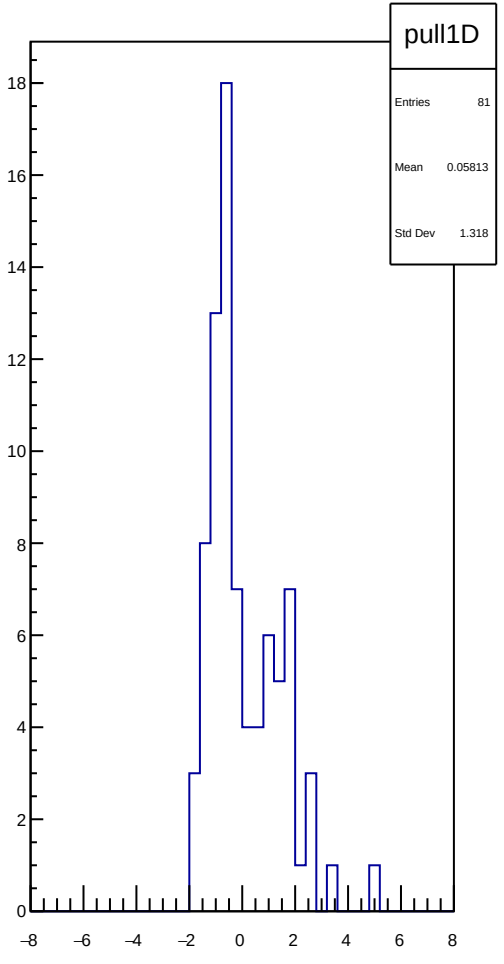

pull1D
Entries 81
Mean 0.007573
Std Dev 1.117

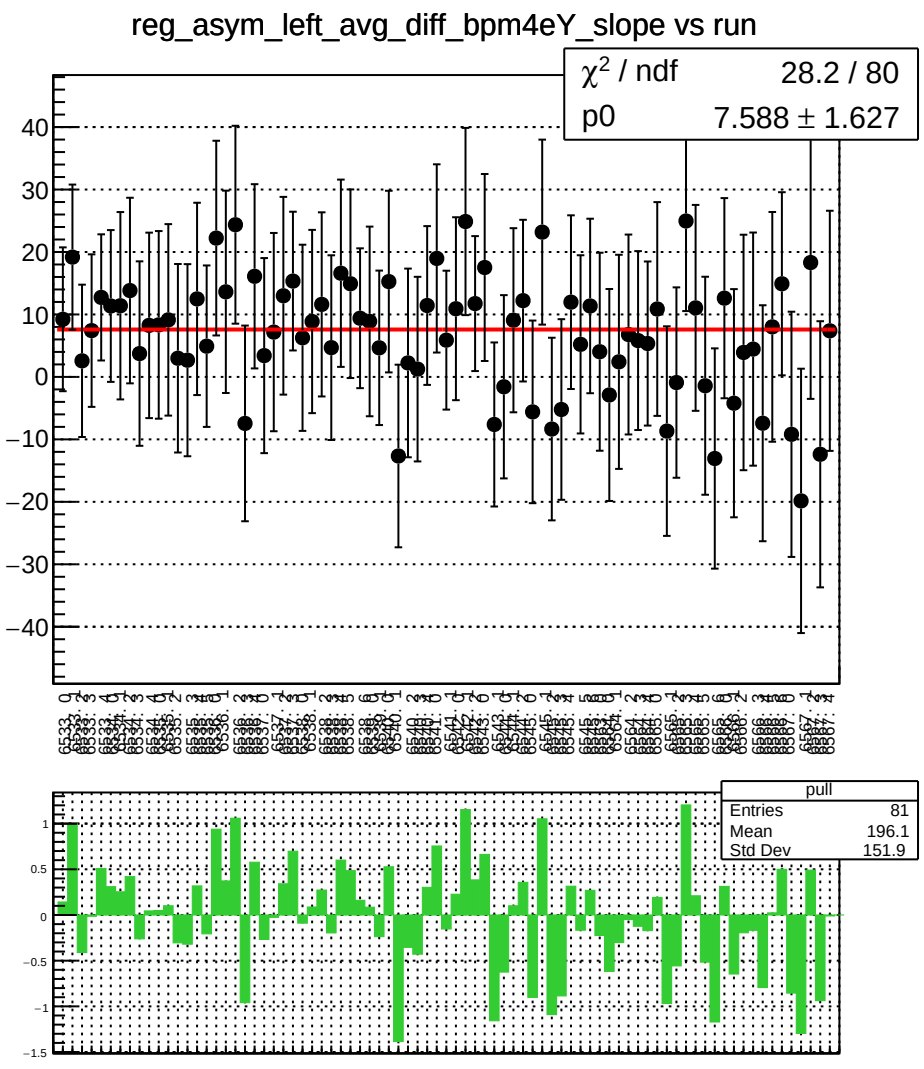

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 140.2 / 80
p0 −44.74 ± 0.9422
pull
Entries 81
Mean 363
Std Dev 316

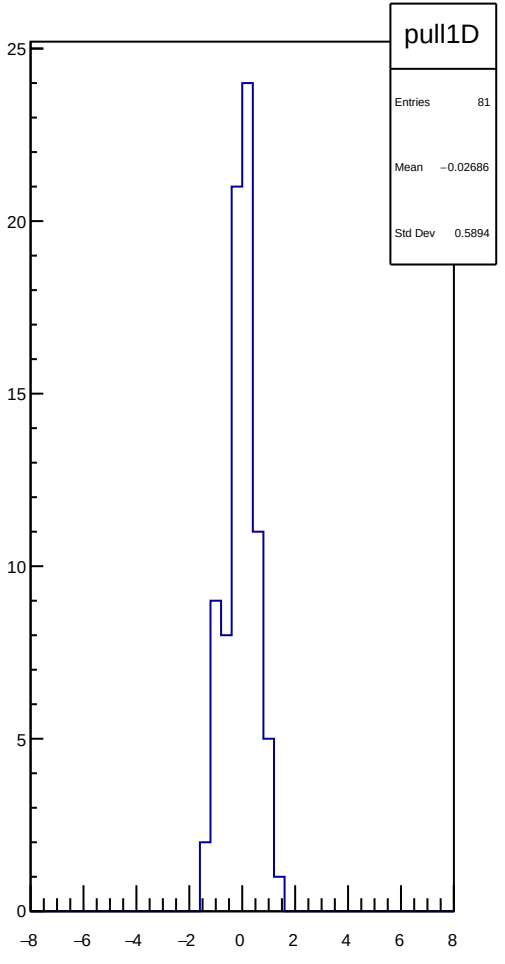

pull1D
Entries 81
Mean −0.06824
Std Dev 1.314

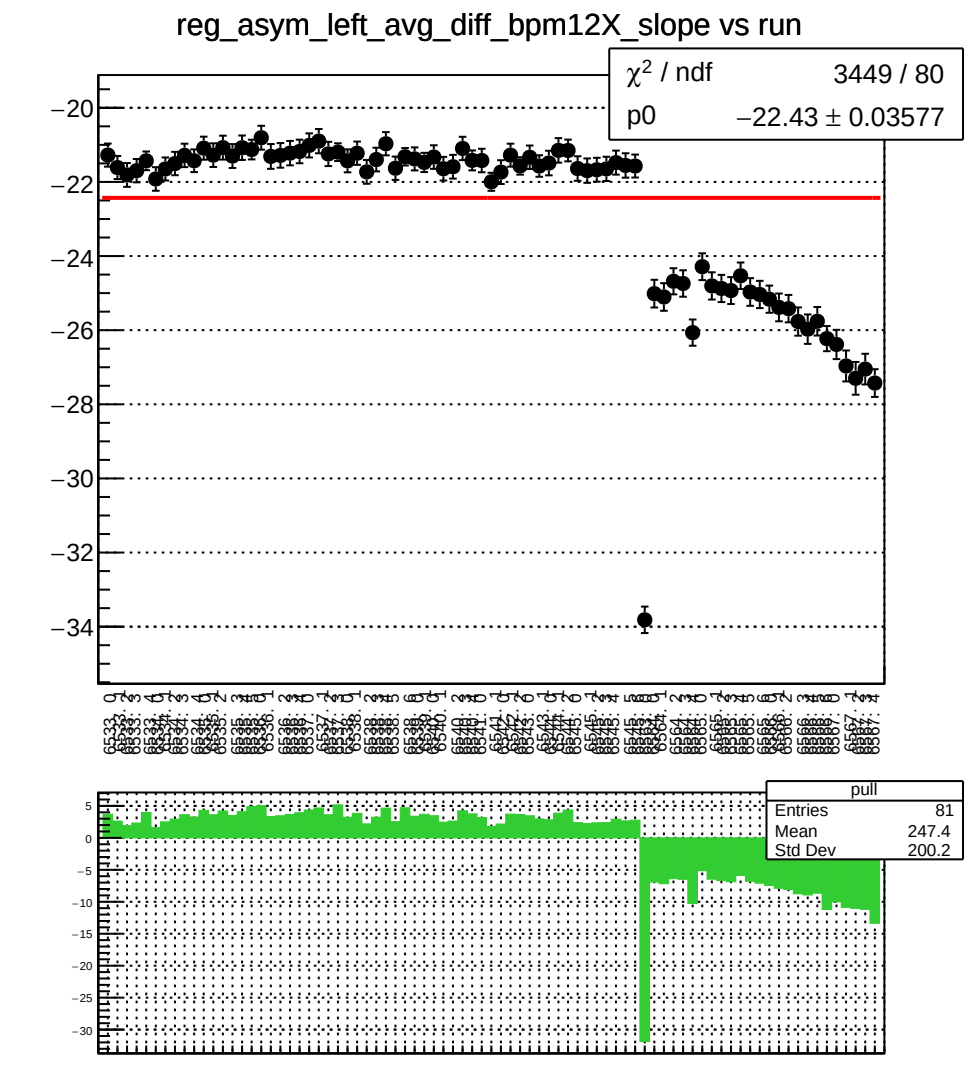

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.92 / 80
p0 1.594 ± 1.69
pull
Entries 81
Mean 155
Std Dev 112.3
pull1D
Entries 81
Mean 0.0184
Std Dev 0.5654

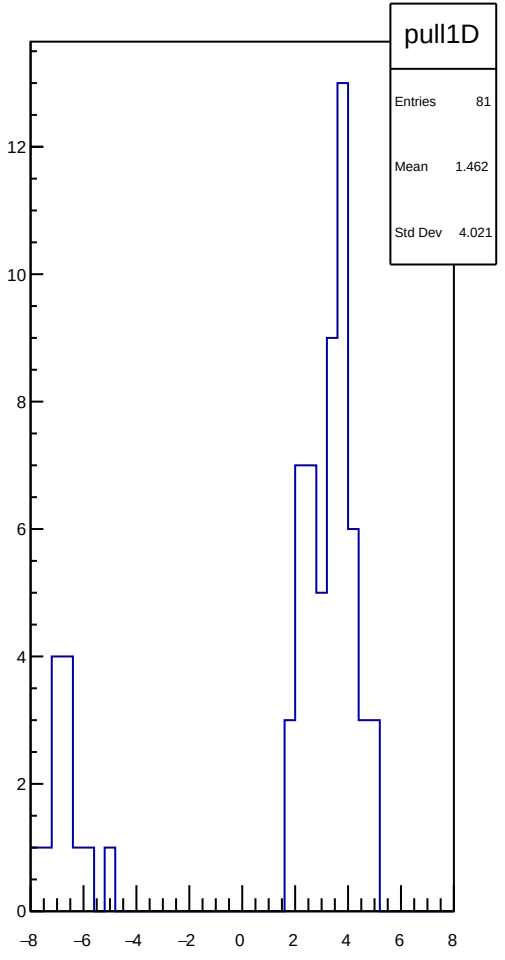

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 141 / 80
p0 19.98 ± 1.021
pull
Entries 81
Mean 424.1
Std Dev 377.1

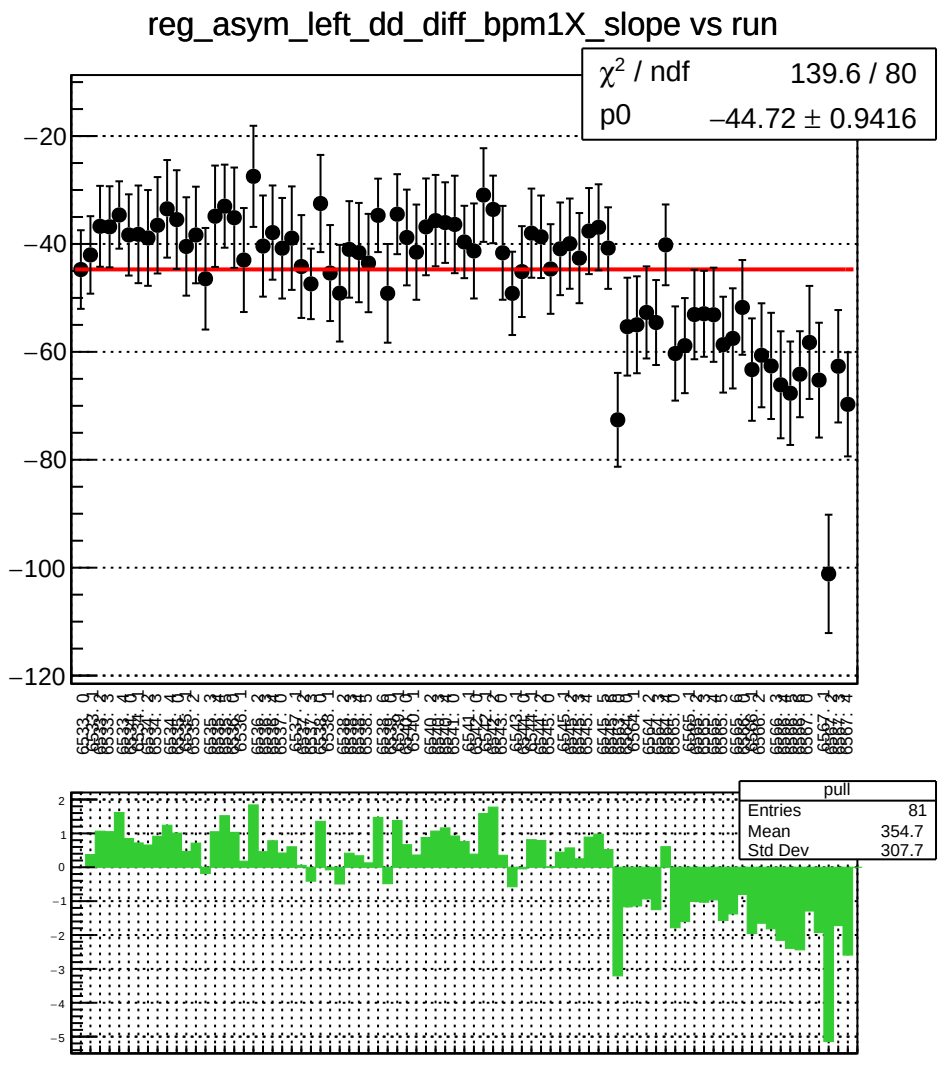

pull1D
Entries 81
Mean 0.05813
Std Dev 1.318

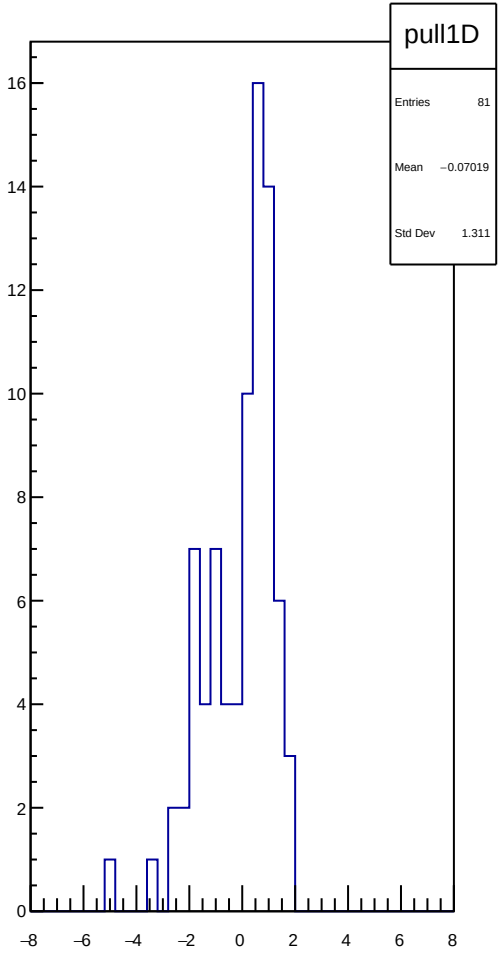

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.2 / 80
p0 7.588 ± 1.627
pull
Entries 81
Mean 196.1
Std Dev 151.9

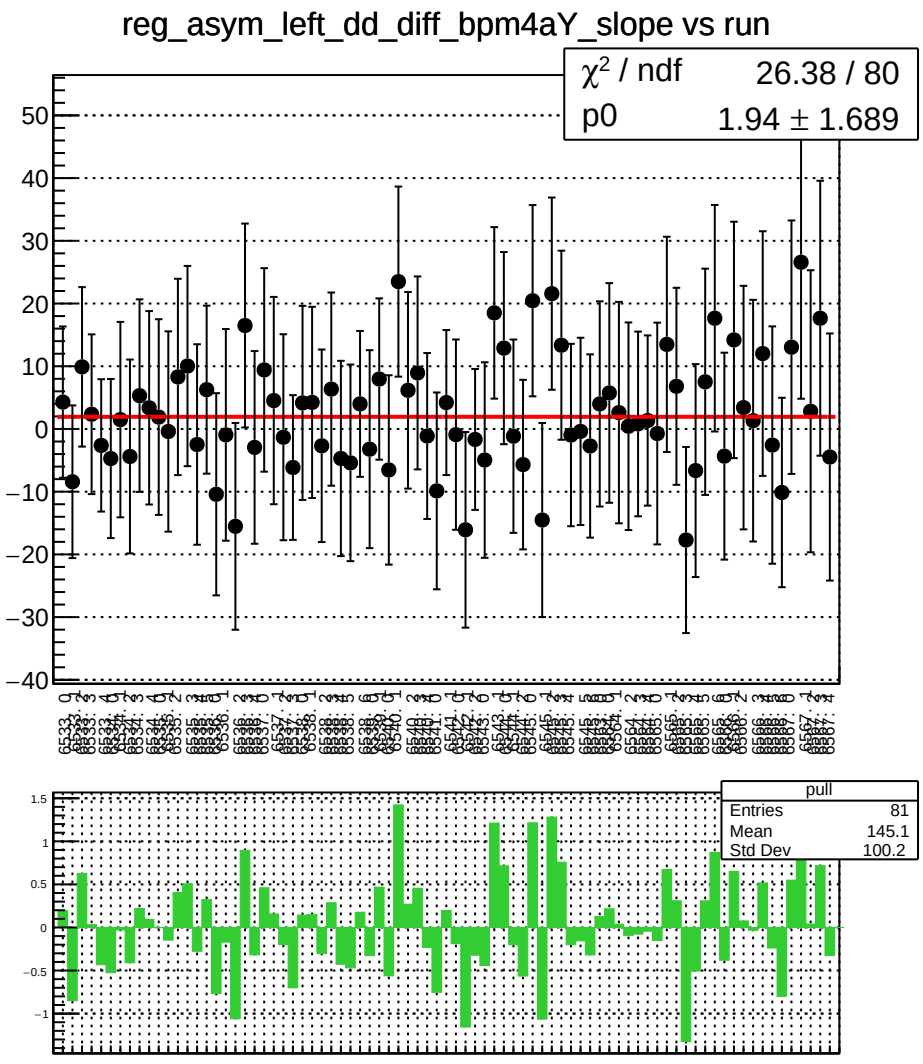

pull1D
Entries 81
Mean −0.02686
Std Dev 0.5894

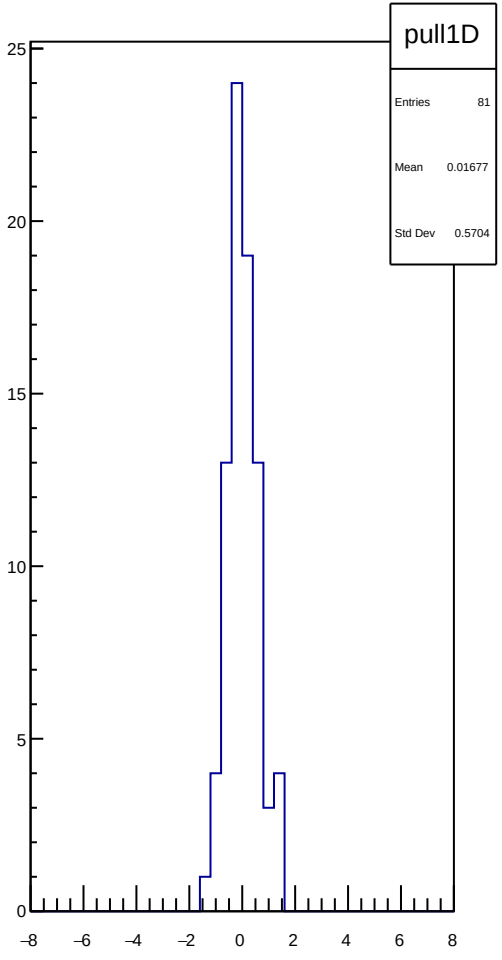

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 3449 / 80
p0 −22.43 ± 0.03577
pull
Entries 81
Mean 247.4
Std Dev 200.2

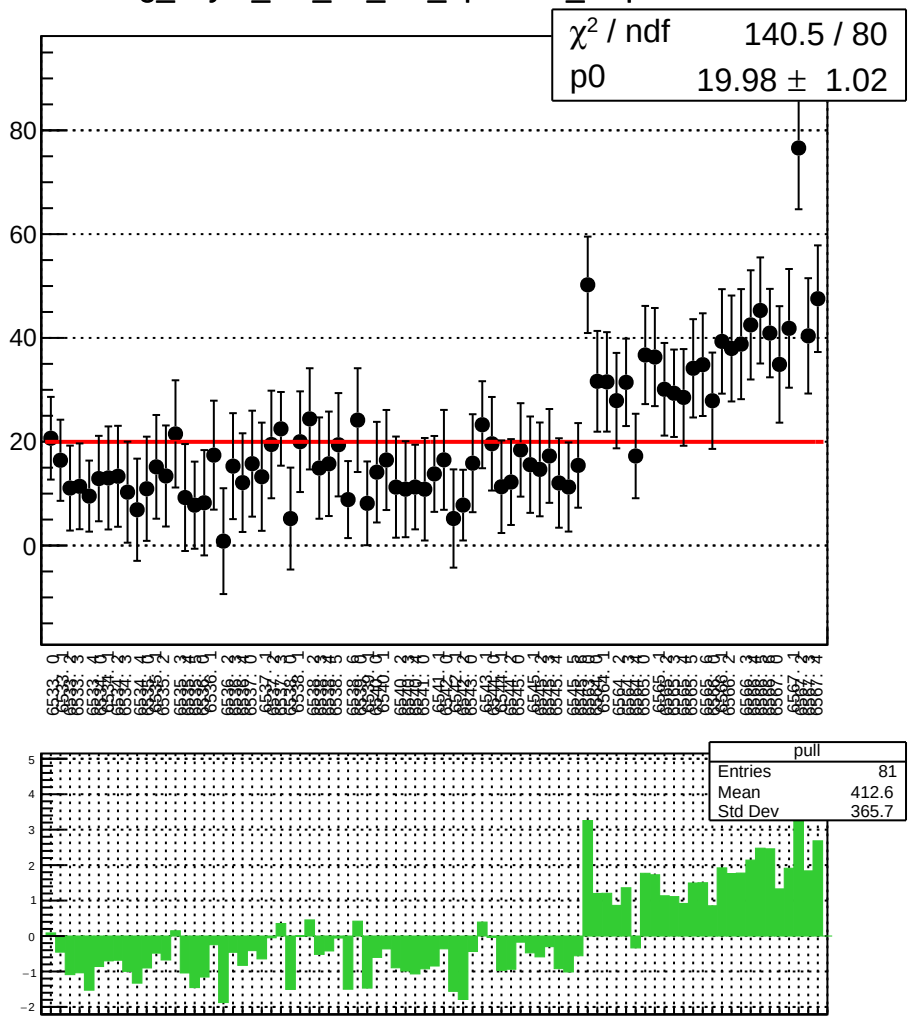

pull1D
Entries 81
Mean 1.462
Std Dev 4.021

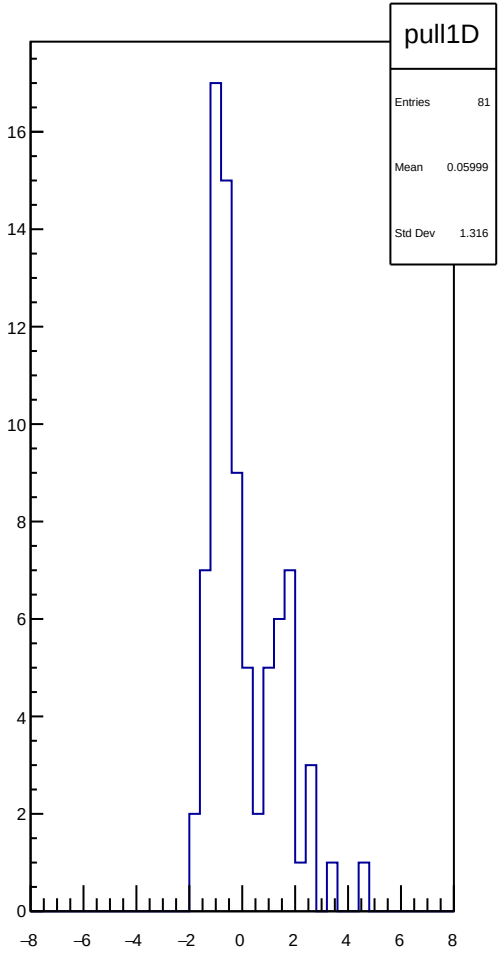

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 139.6 / 80
p0 −44.72 ± 0.9416
pull
Entries 81
Mean 354.7
Std Dev 307.7

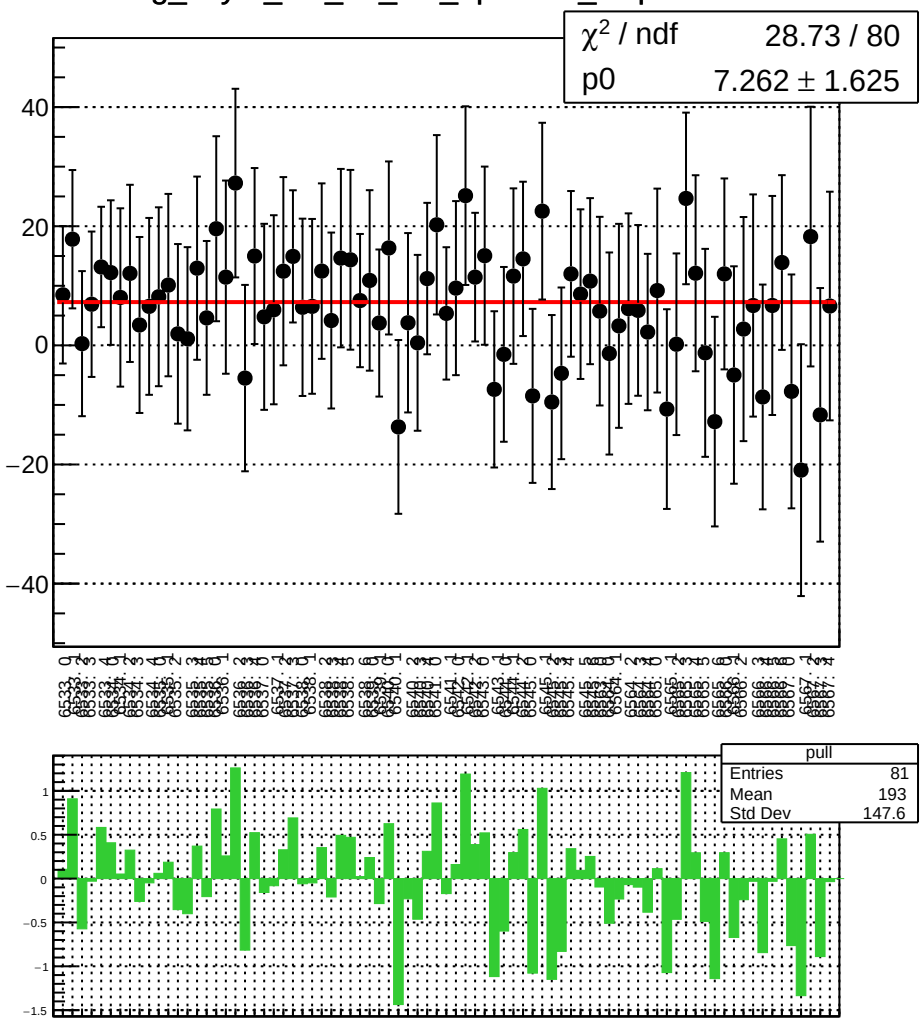

pull1D
Entries 81
Mean −0.07019
Std Dev 1.311

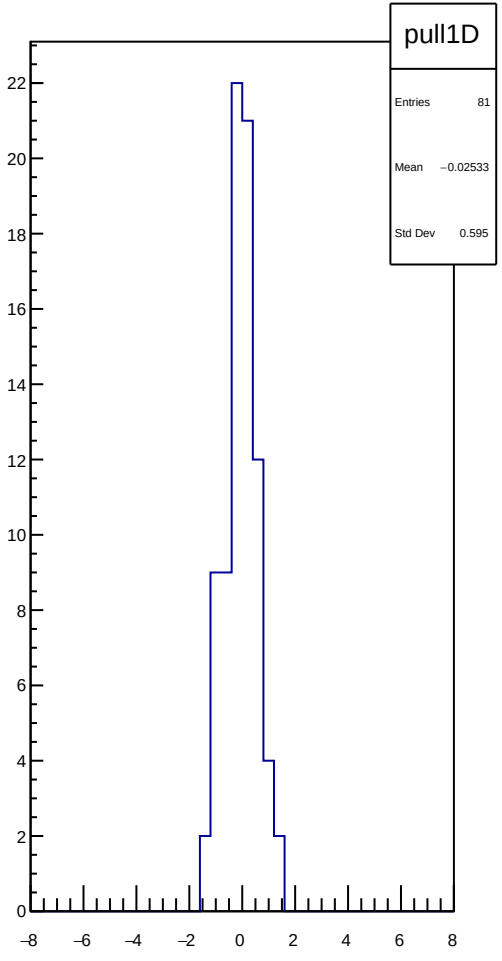

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.38 / 80
p0 1.94 ± 1.689
pull
Entries 81
Mean 145.1
Std Dev 100.2

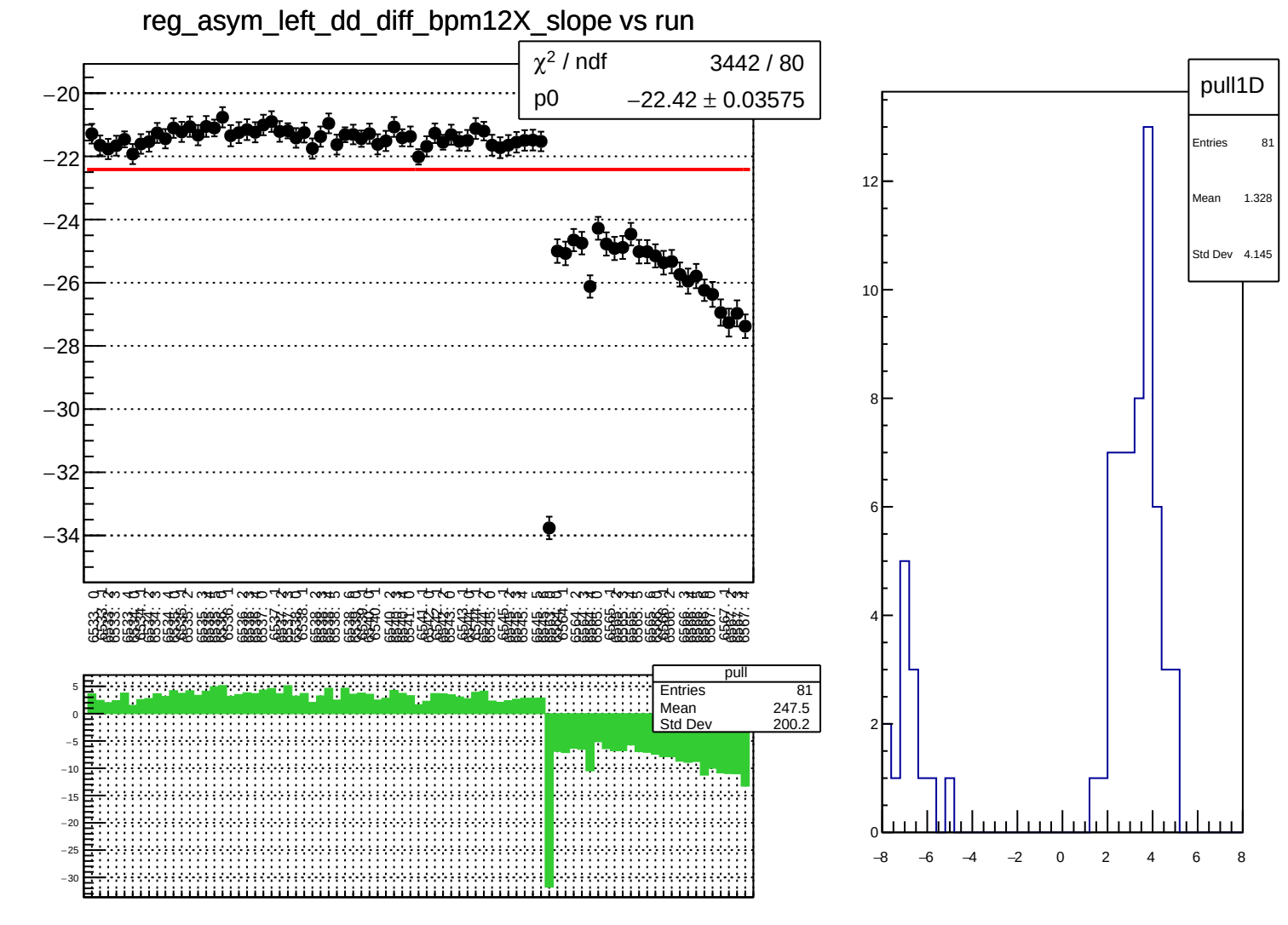

pull1D
Entries 81
Mean 0.01677
Std Dev 0.5704

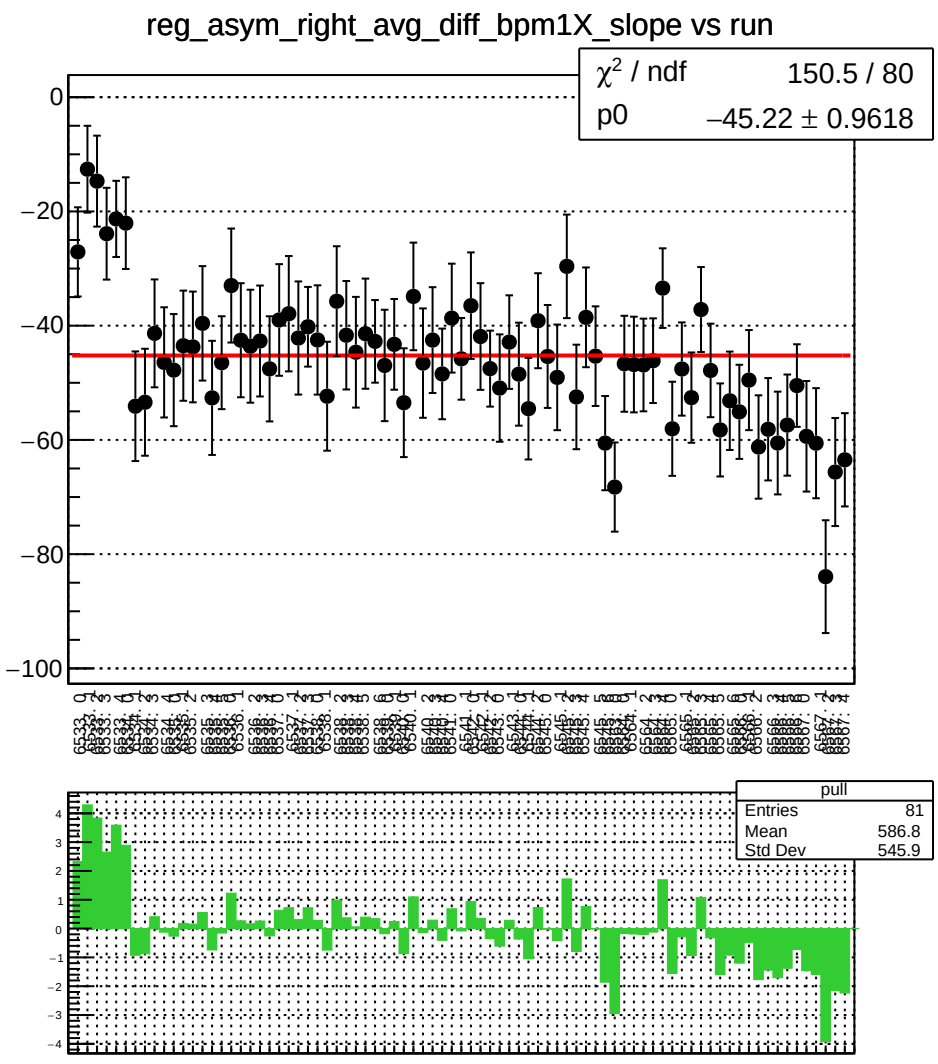

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 140.5 / 80
p0 19.98 ± 1.02
pull
Entries 81
Mean 412.6
Std Dev 365.7

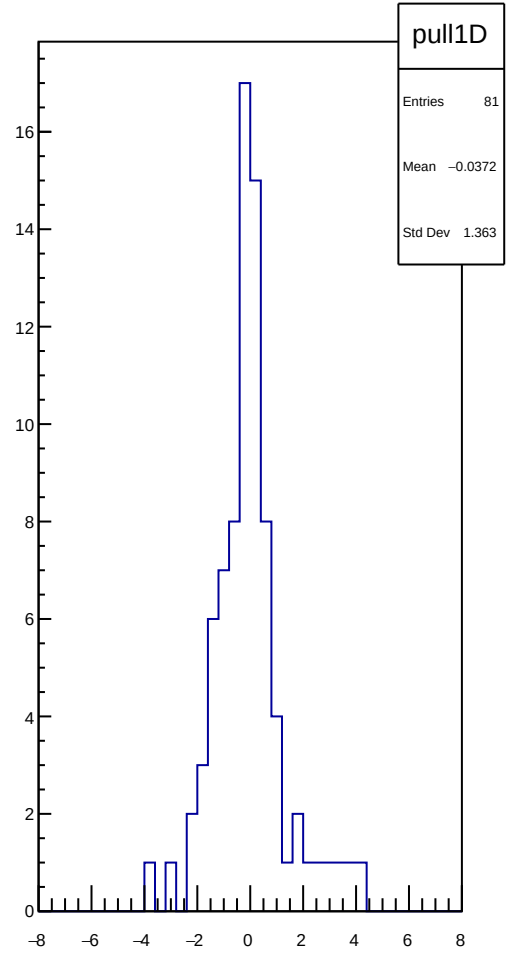

pull1D
Entries 81
Mean 0.05999
Std Dev 1.316

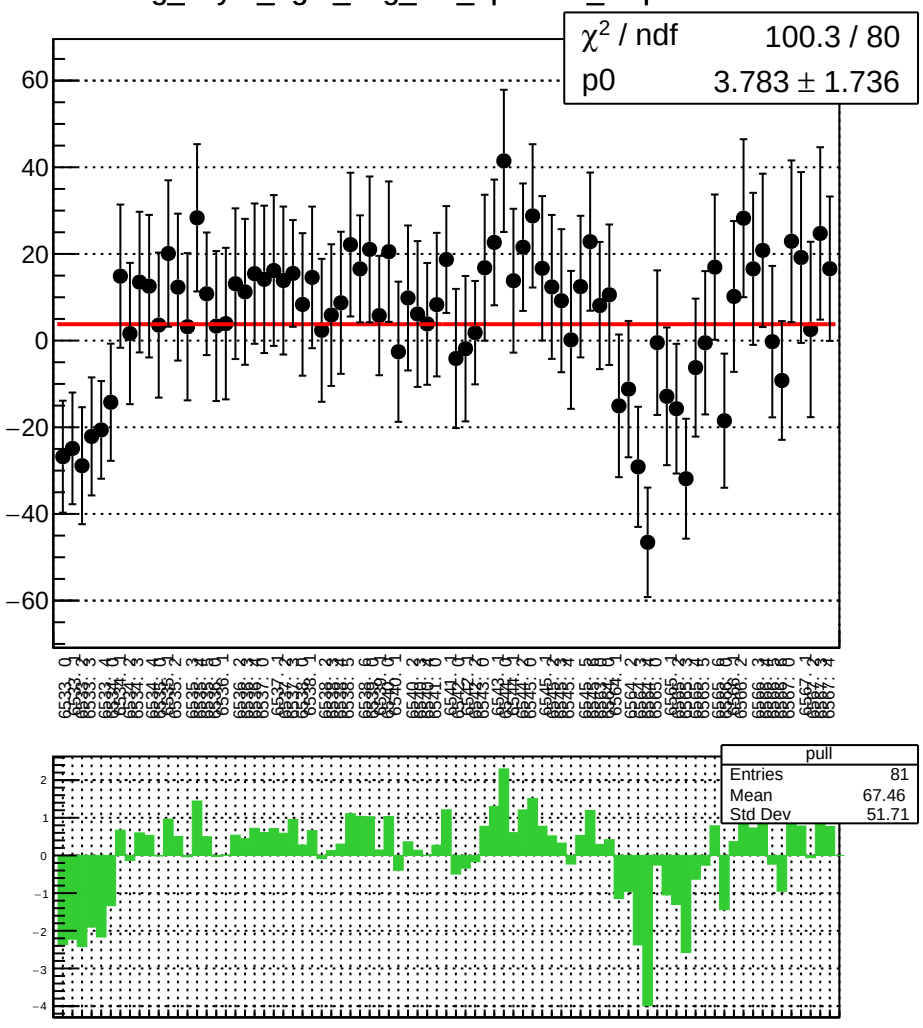

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 28.73 / 80
p0 7.262 ± 1.625
pull
Entries 81
Mean 193
Std Dev 147.6

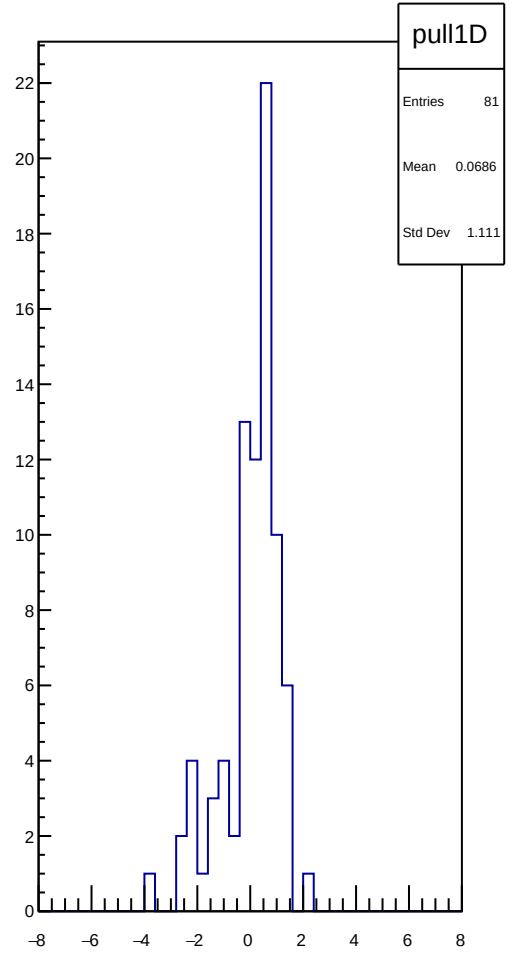

pull1D
Entries 81
Mean −0.02533
Std Dev 0.595

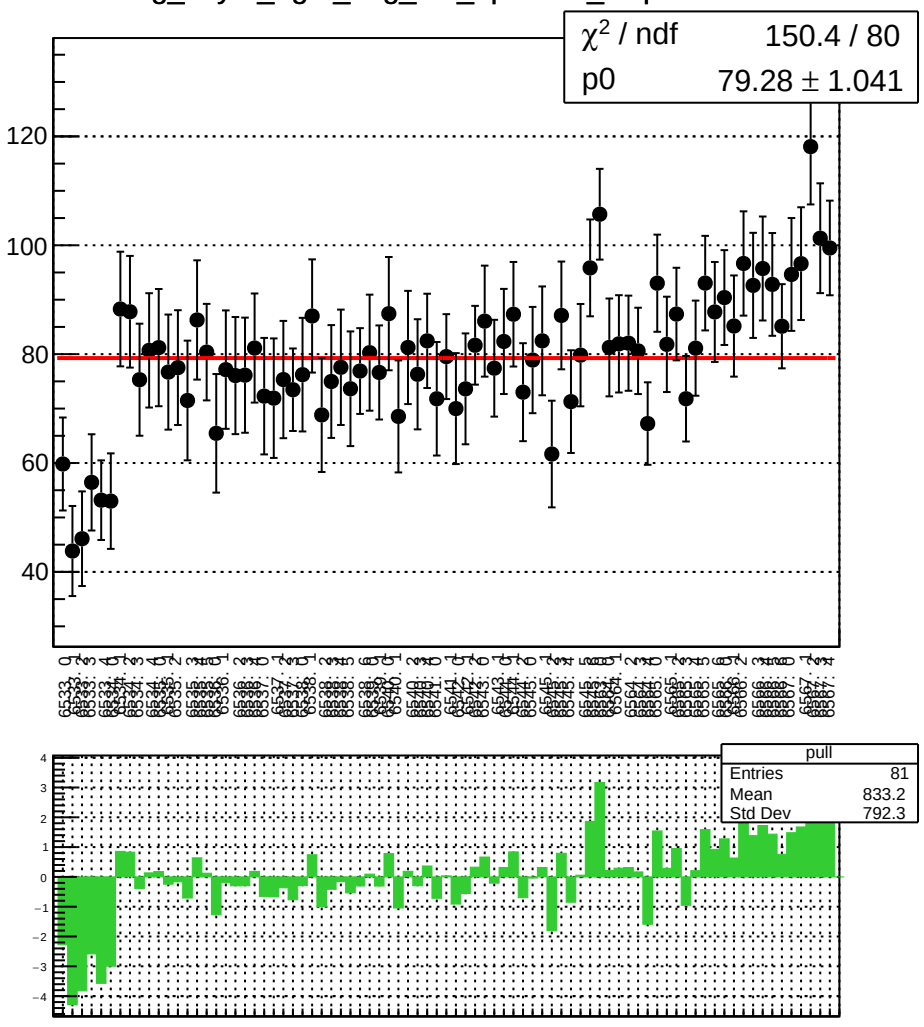

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 3442 / 80
p0 −22.42 ± 0.03575
pull
Entries 81
Mean 247.5
Std Dev 200.2
pull1D
Entries 81
Mean 1.328
Std Dev 4.145

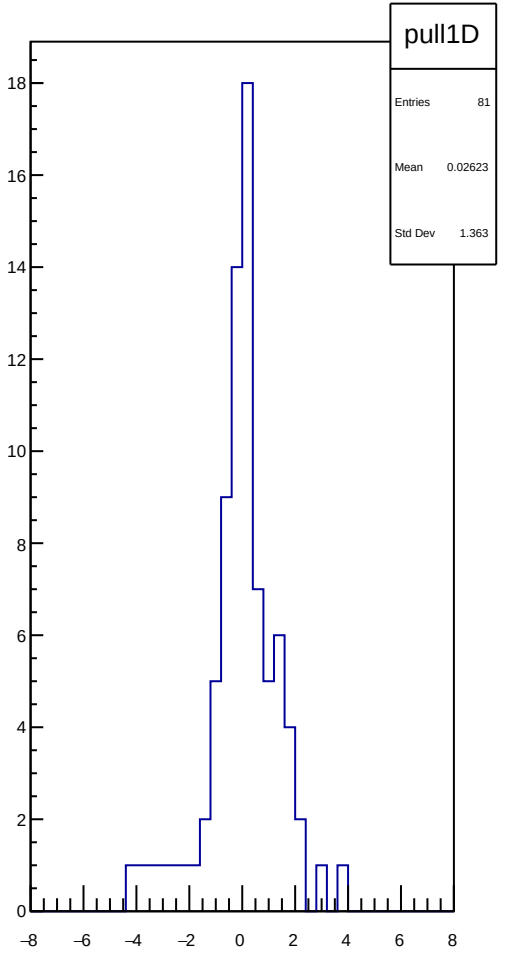

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 150.5 / 80
p0 −45.22 ± 0.9618
pull
Entries 81
Mean 586.8
Std Dev 545.9

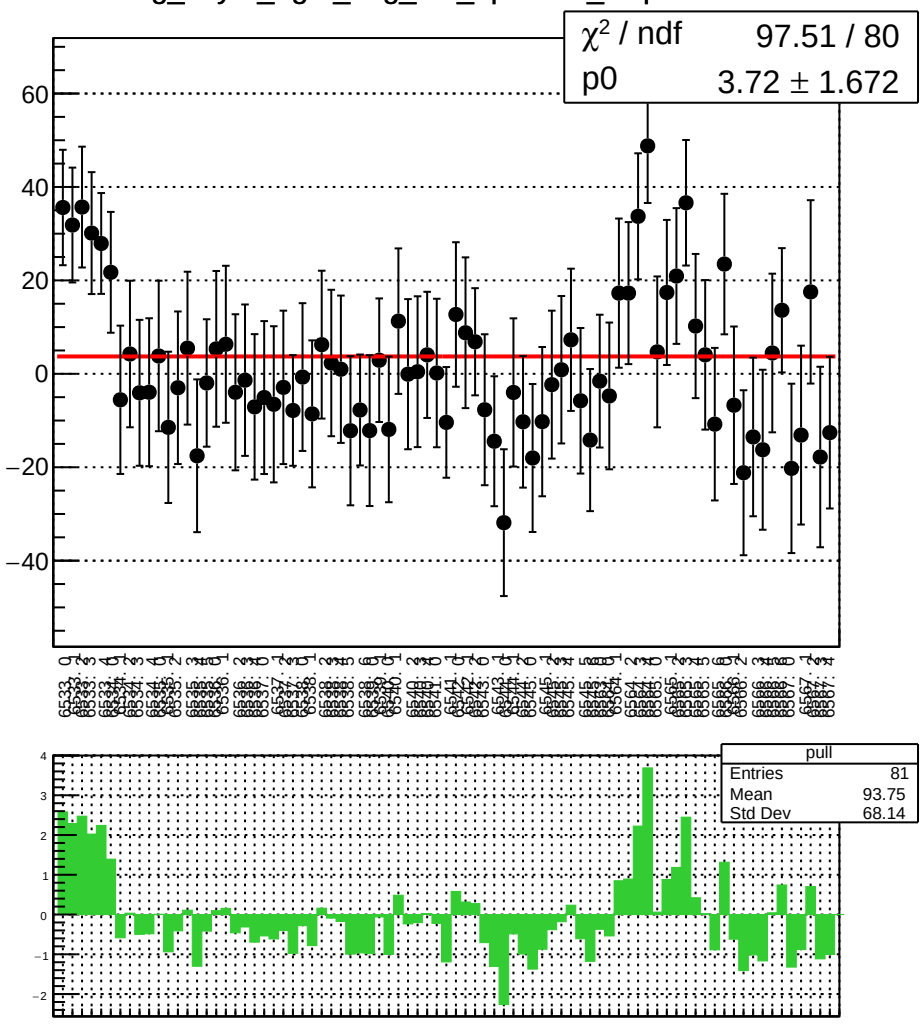

pull1D
Entries 81
Mean −0.0372
Std Dev 1.363

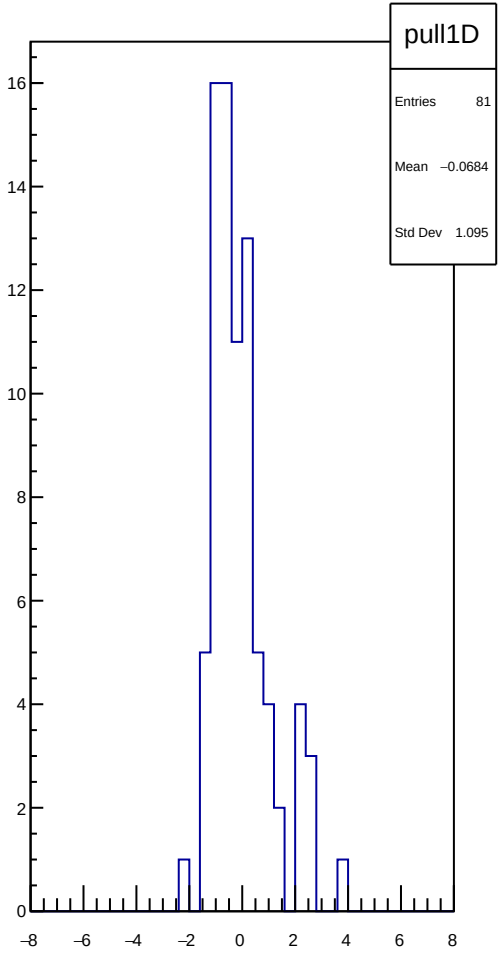

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 100.3 / 80
p0 3.783 ± 1.736
pull
Entries 81
Mean 67.46
Std Dev 51.71

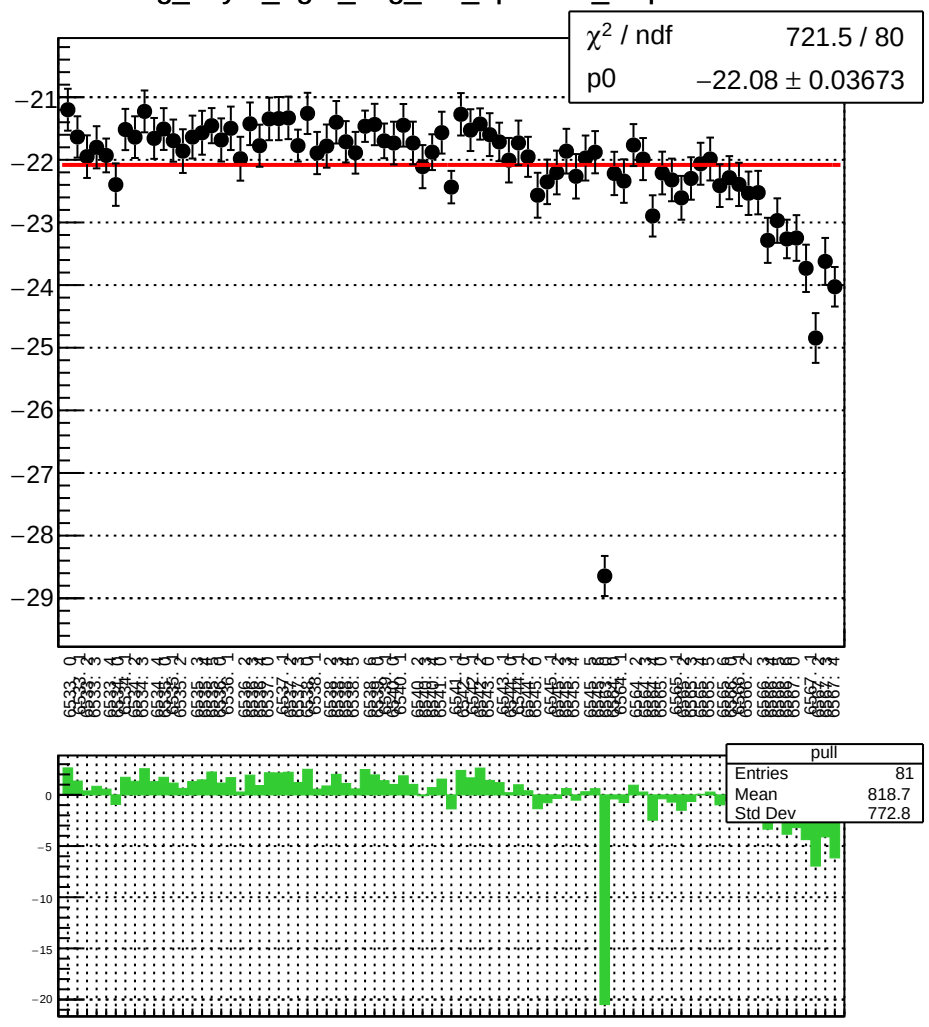

pull1D
Entries 81
Mean 0.0686
Std Dev 1.111

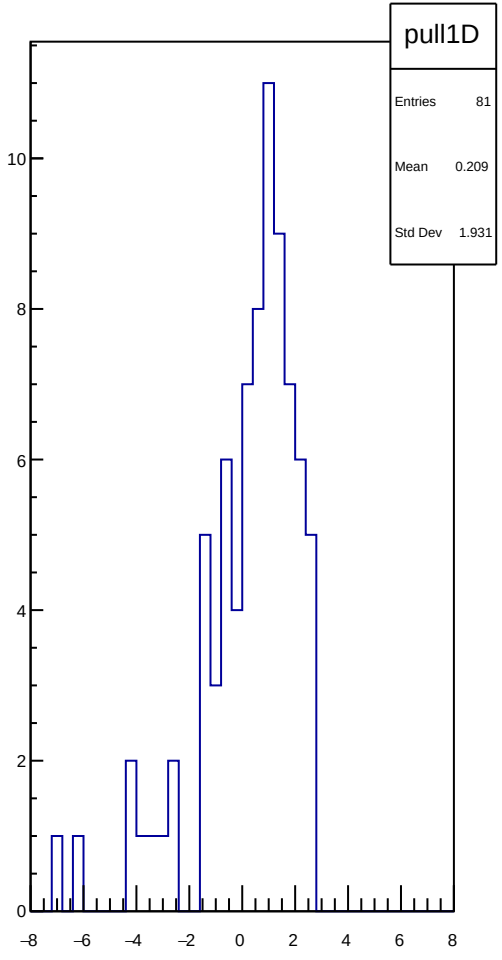

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 150.4 / 80
p0 79.28 ± 1.041
pull
Entries 81
Mean 833.2
Std Dev 792.3

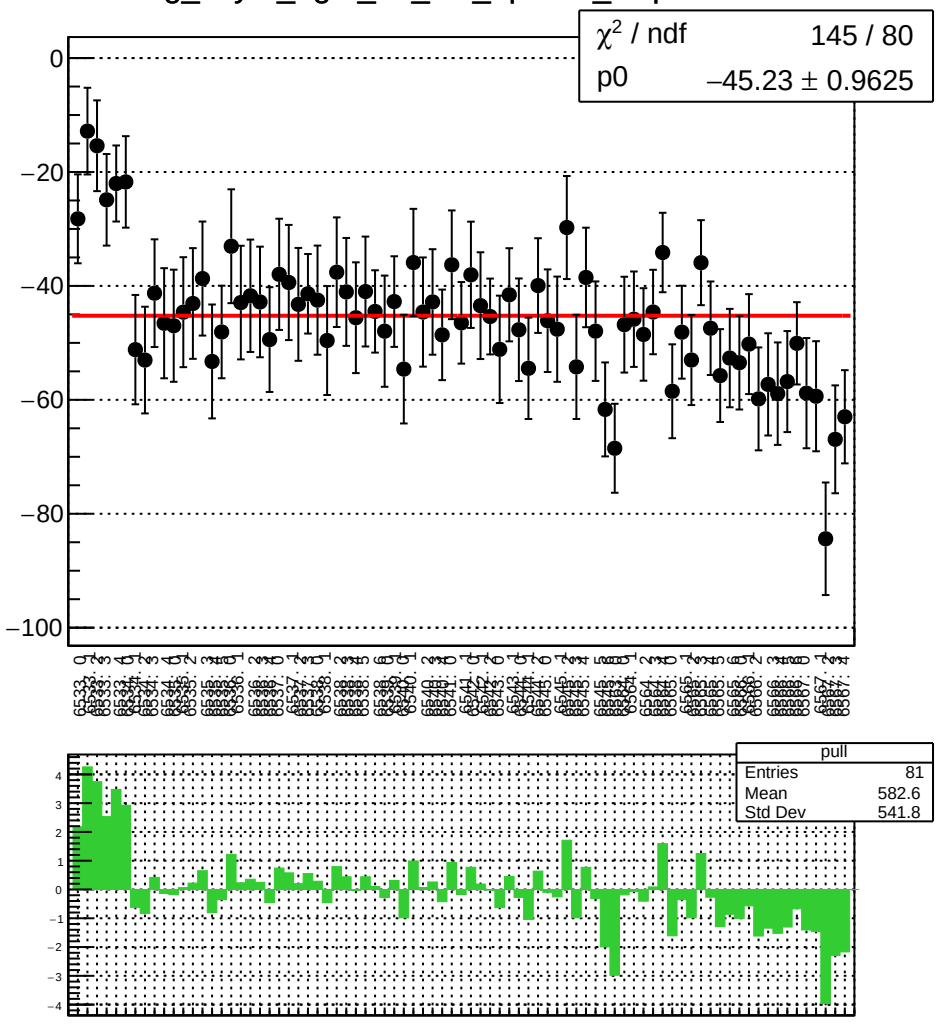

pull1D
Entries 81
Mean 0.02623
Std Dev 1.363

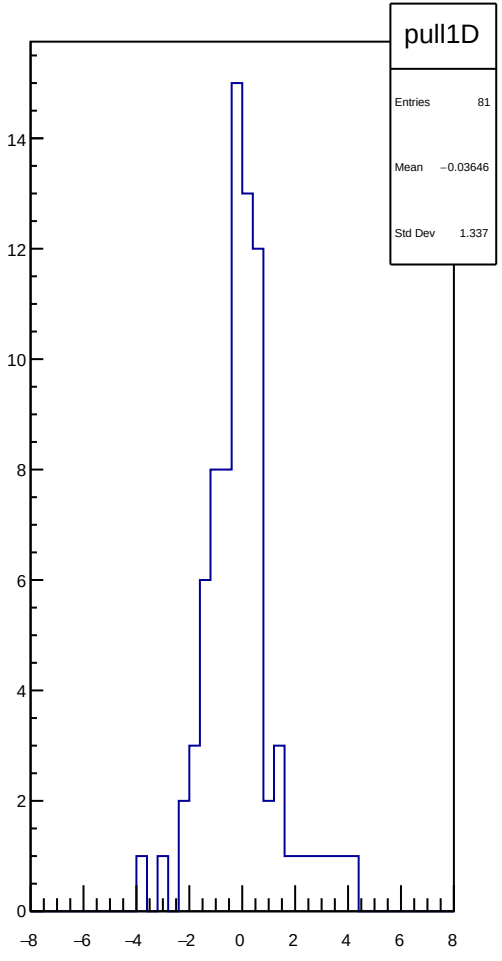

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 97.51 / 80
p0 3.72 ± 1.672
pull
Entries 81
Mean 93.75
Std Dev 68.14

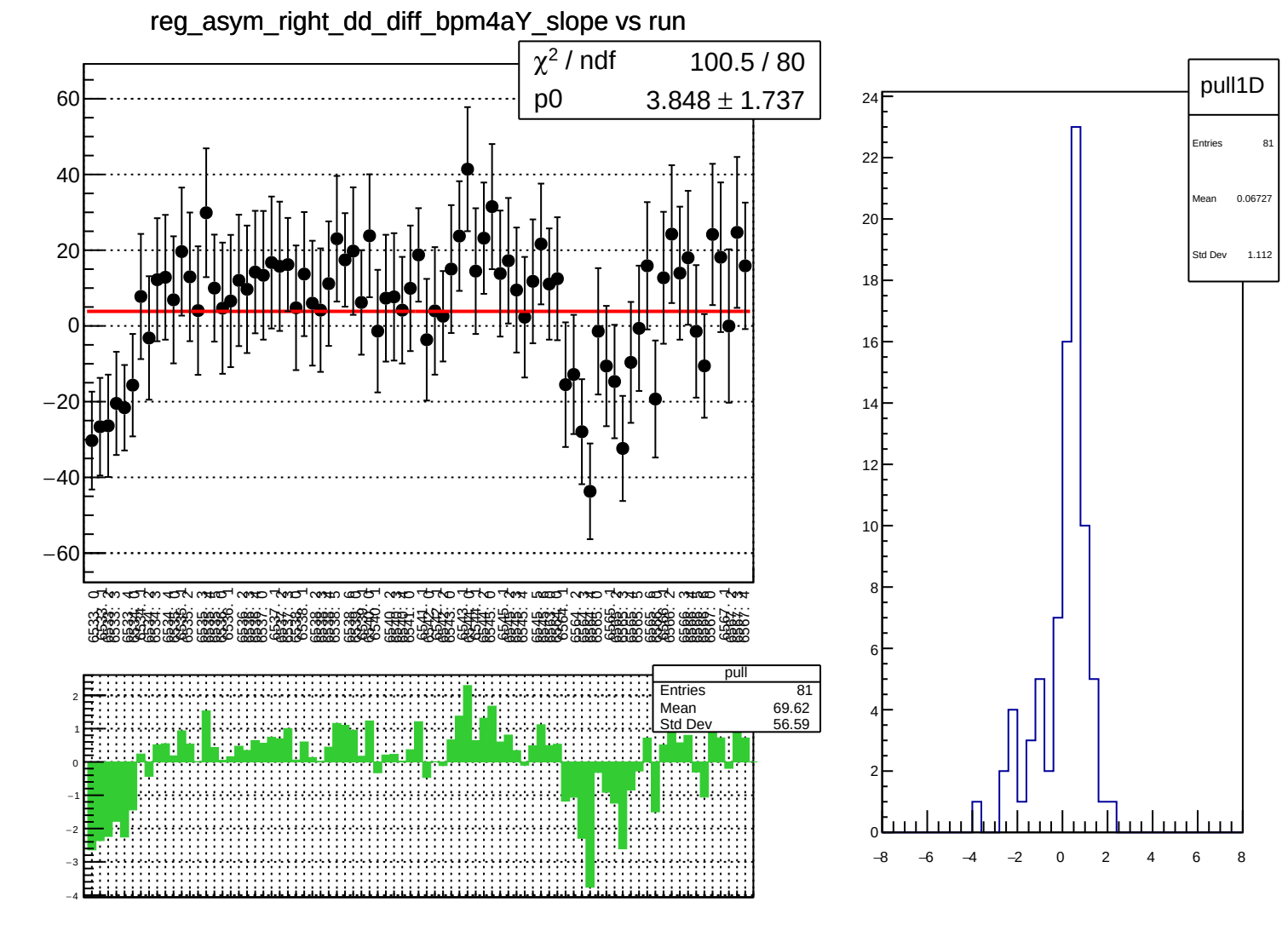

pull1D
Entries 81
Mean −0.0684
Std Dev 1.095

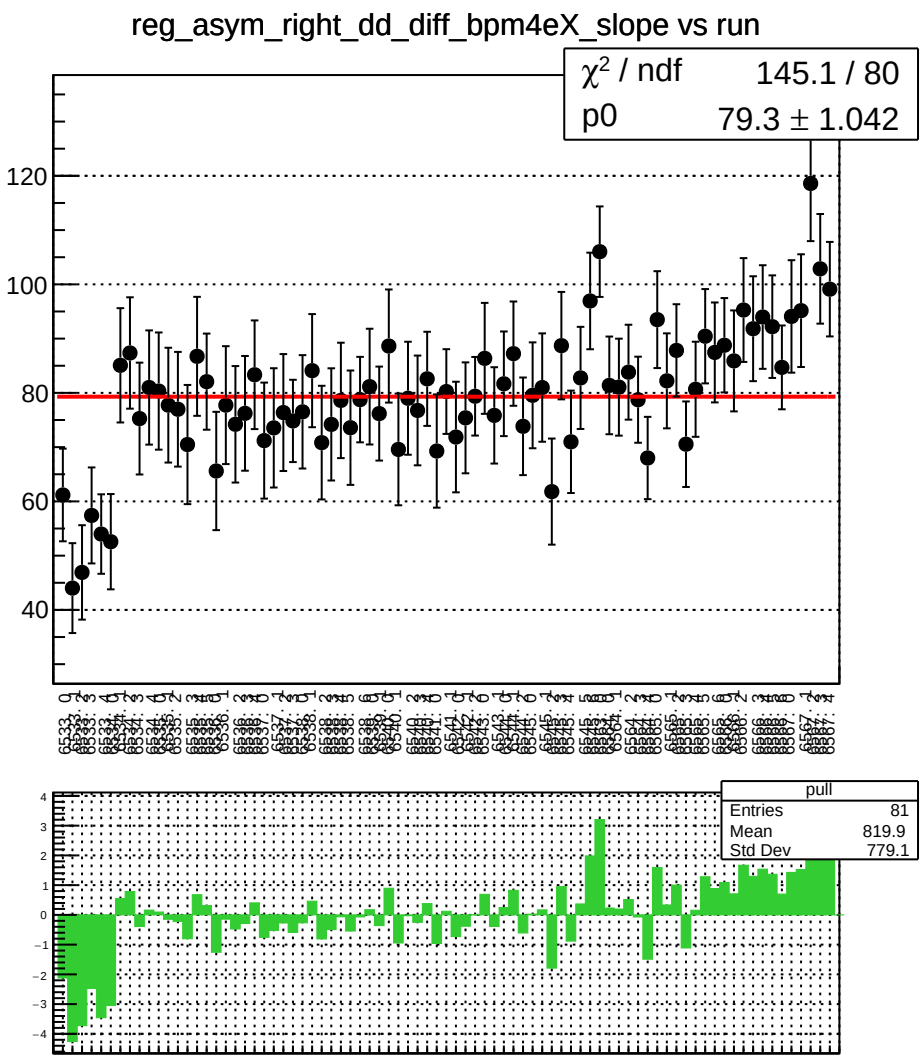

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 721.5 / 80
p0 −22.08 ± 0.03673
pull
Entries 81
Mean 818.7
Std Dev 772.8

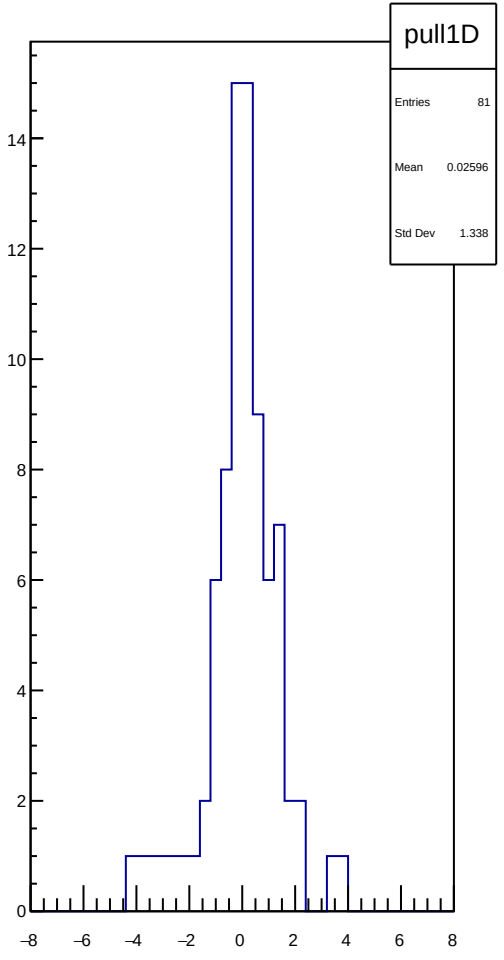

pull1D
Entries 81
Mean 0.209
Std Dev 1.931

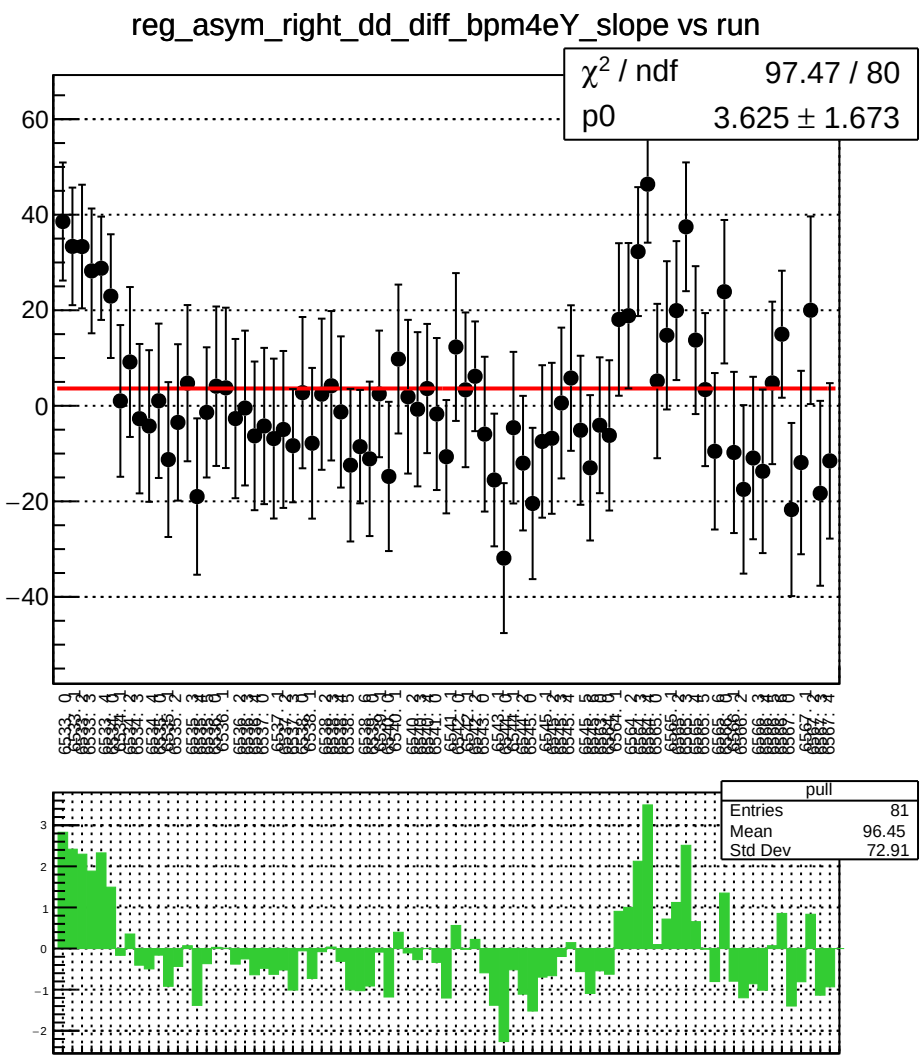

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 145 / 80
p0 −45.23 ± 0.9625
pull
Entries 81
Mean 582.6
Std Dev 541.8

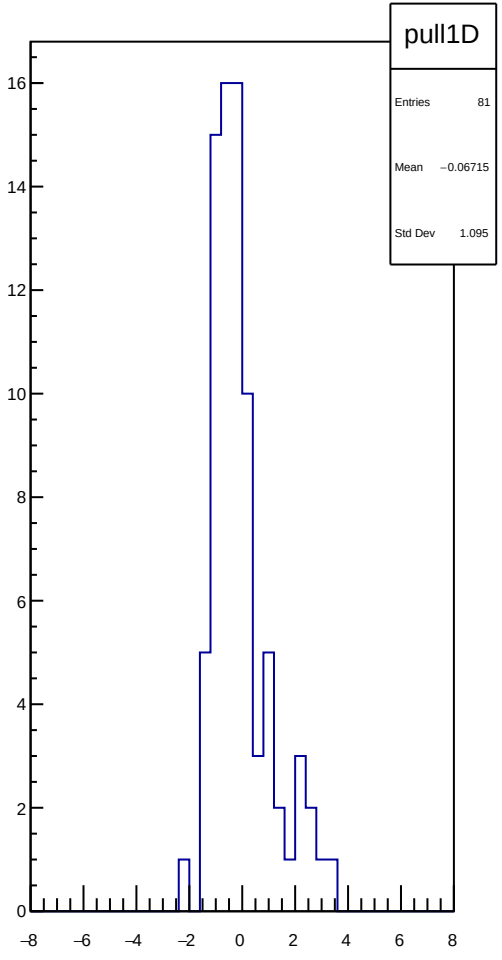

pull1D
Entries 81
Mean −0.03646
Std Dev 1.337

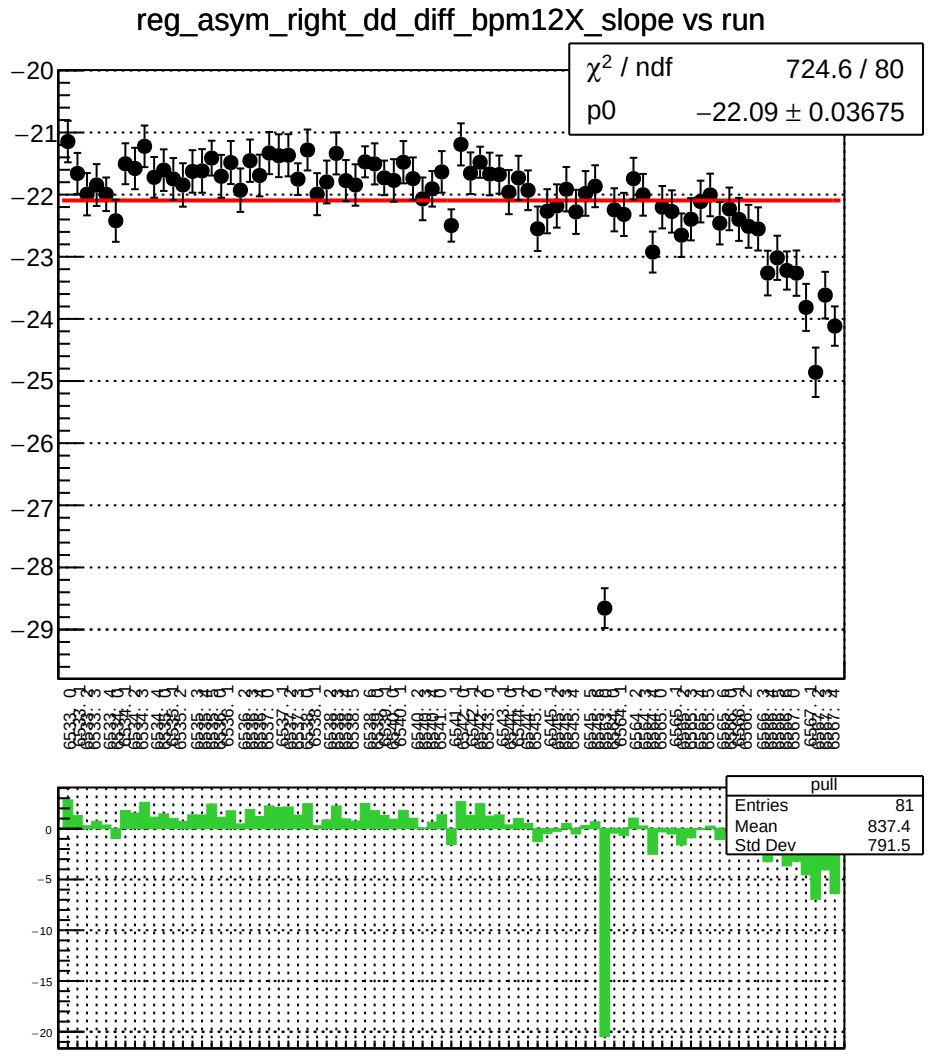

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.5 / 80
p0 3.848 ± 1.737
pull
Entries 81
Mean 69.62
Std Dev 56.59
pull1D
Entries 81
Mean 0.06727
Std Dev 1.112

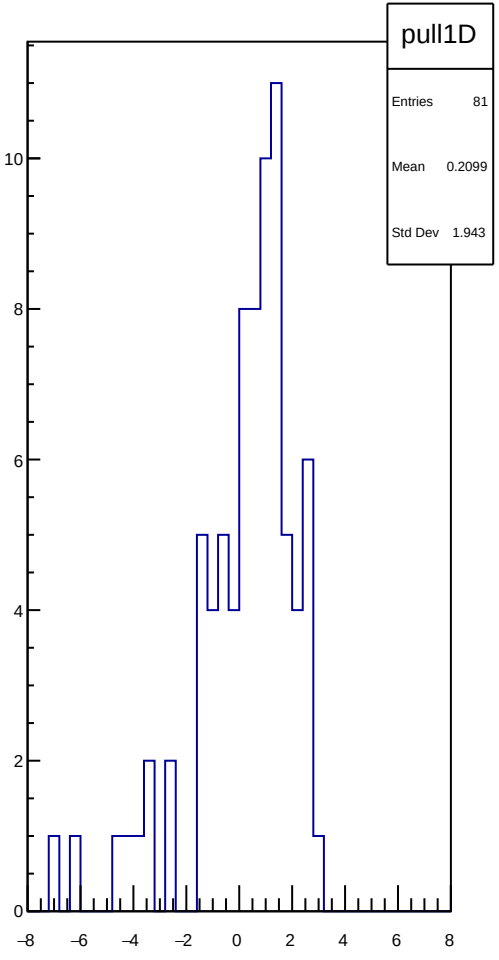

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 145.1 / 80
p0 79.3 ± 1.042
120
100
80
60
40
pull
Entries 81
Mean 819.9
Std Dev 779.1
4
3
2
1
0
−1
−2
−3
−4

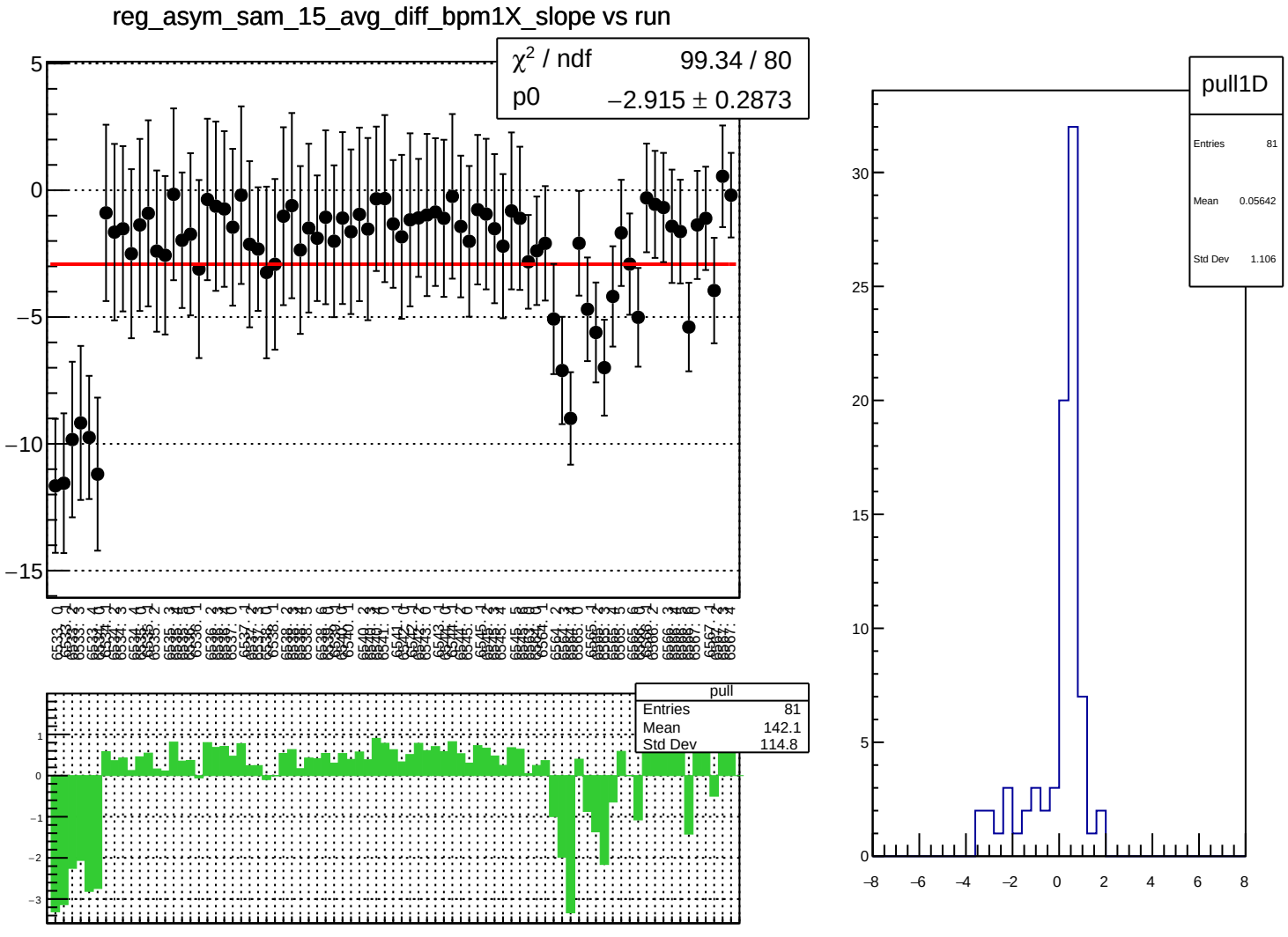

pull1D
Entries 81
Mean 0.02596
Std Dev 1.338
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

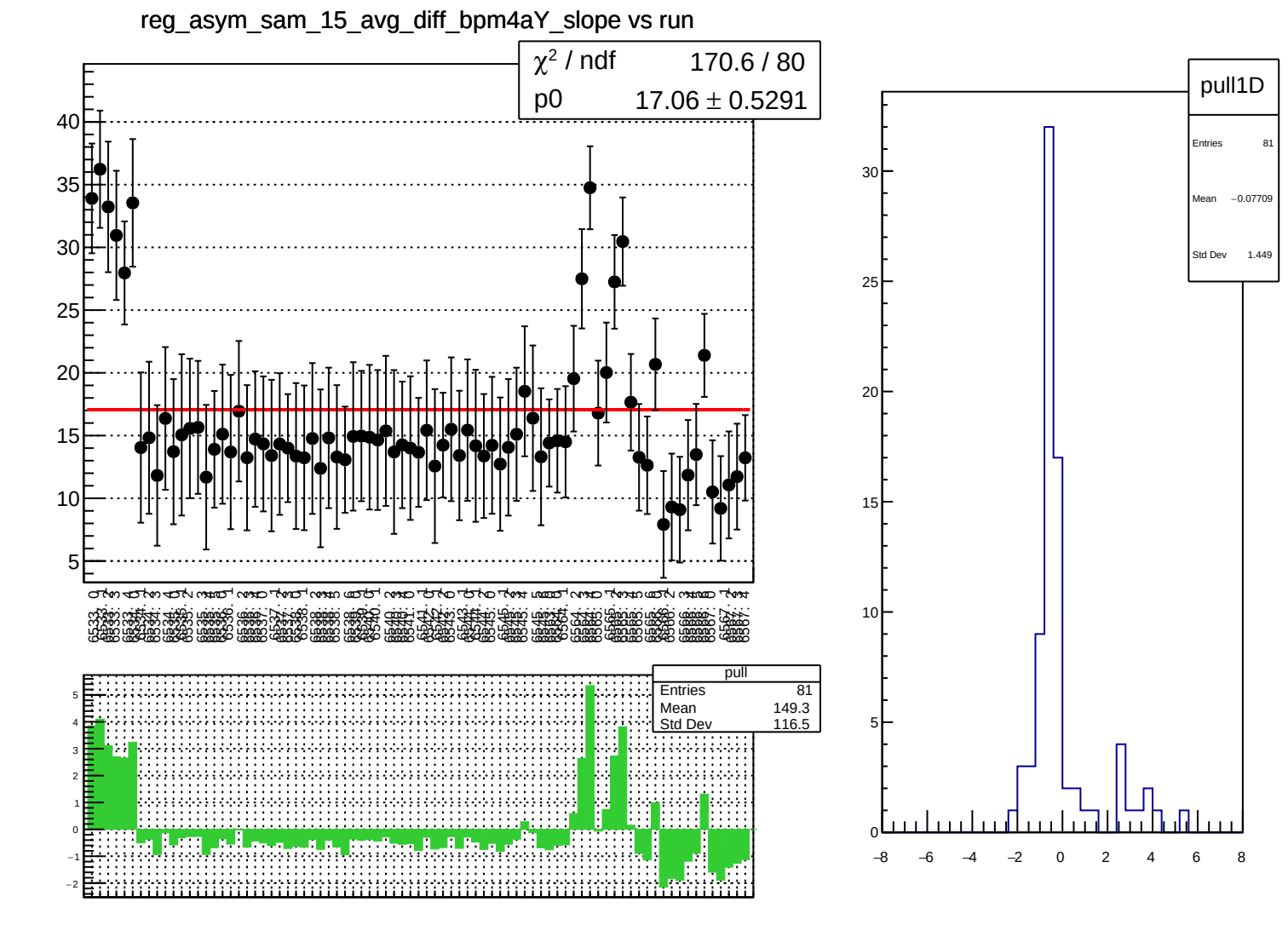

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 97.47 / 80
p0 3.625 ± 1.673
pull
Entries 81
Mean 96.45
Std Dev 72.91

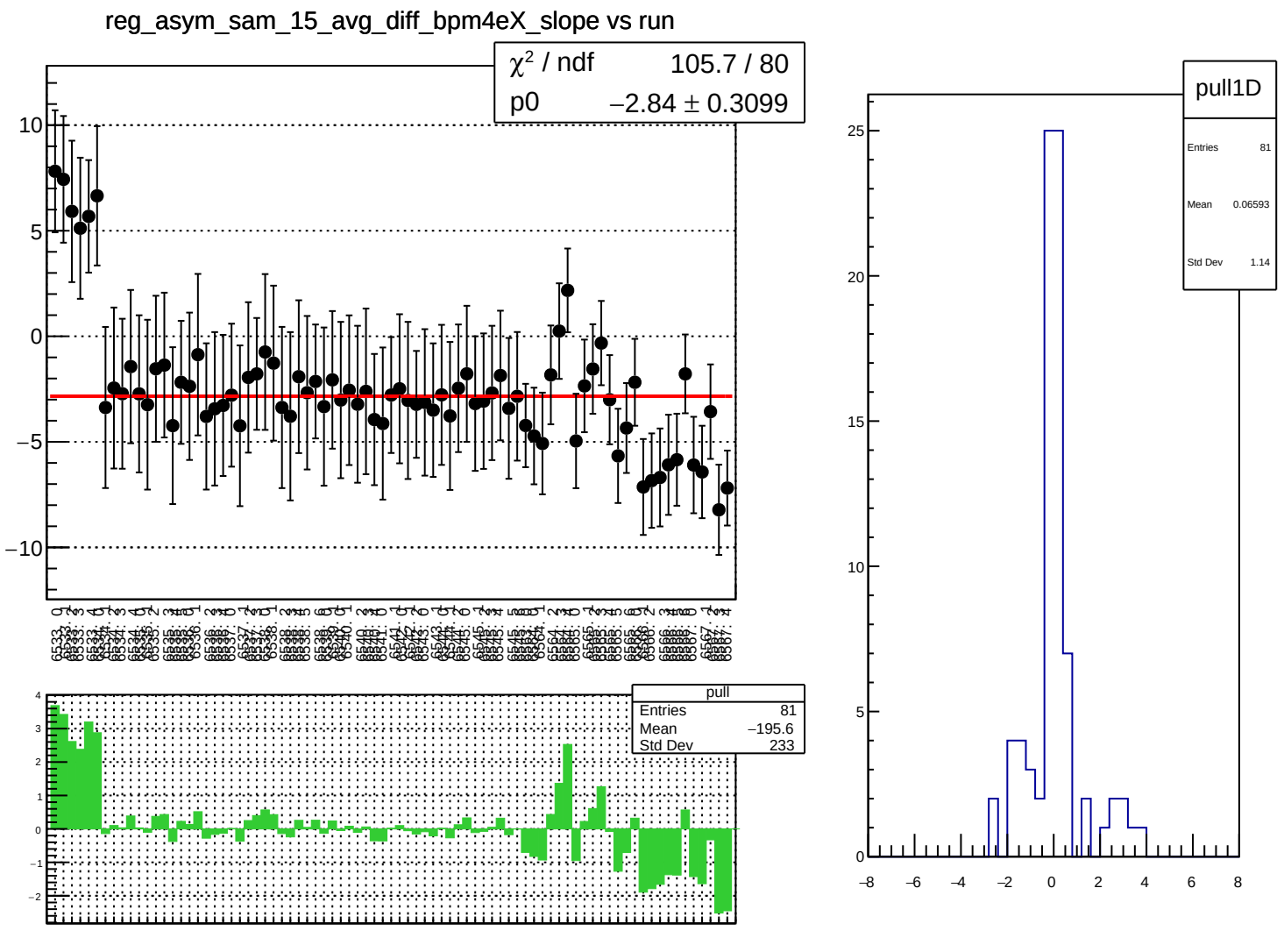

pull1D
Entries 81
Mean −0.06715
Std Dev 1.095

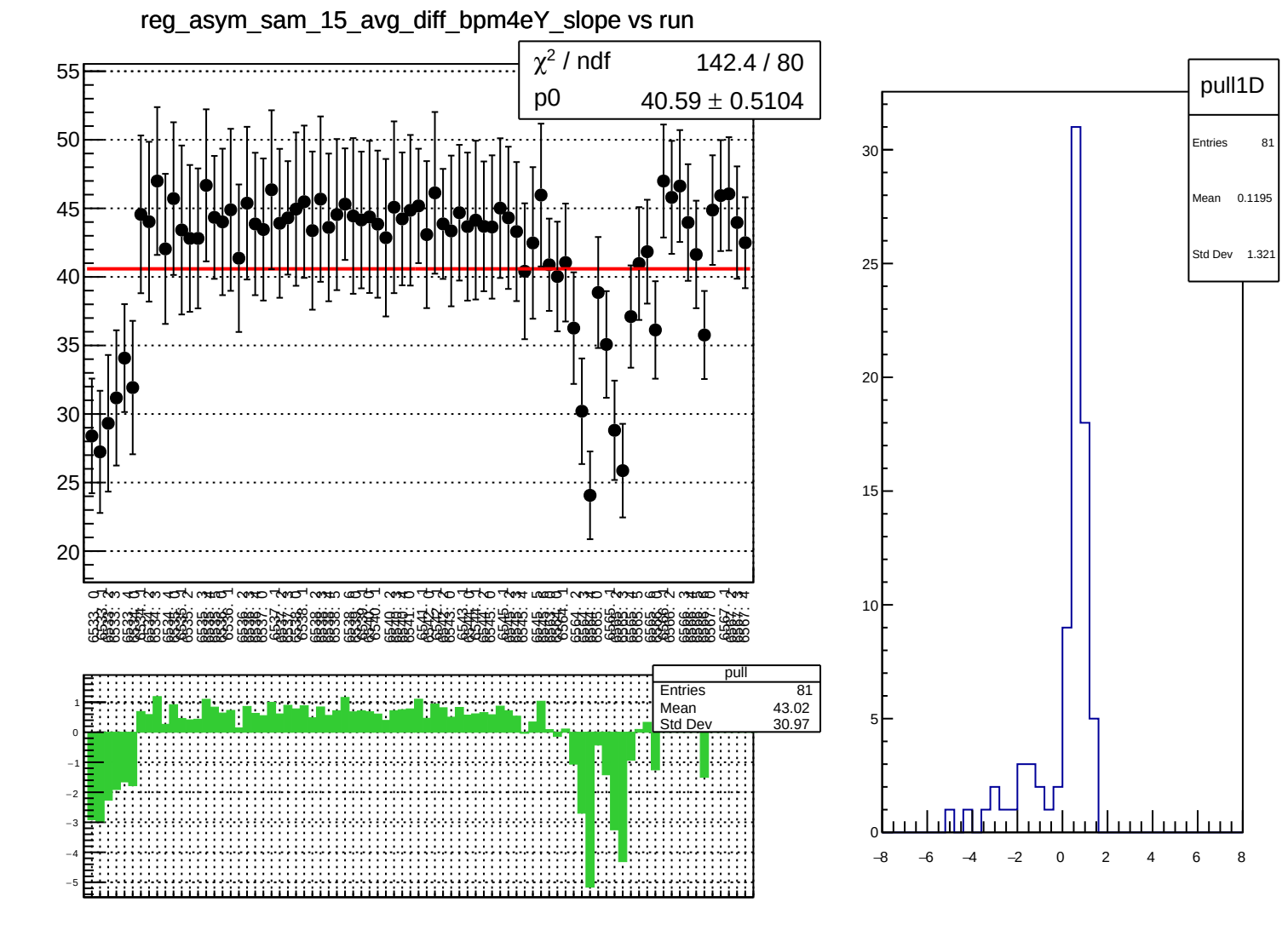

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 724.6 / 80
p0 −22.09 ± 0.03675
pull
Entries 81
Mean 837.4
Std Dev 791.5

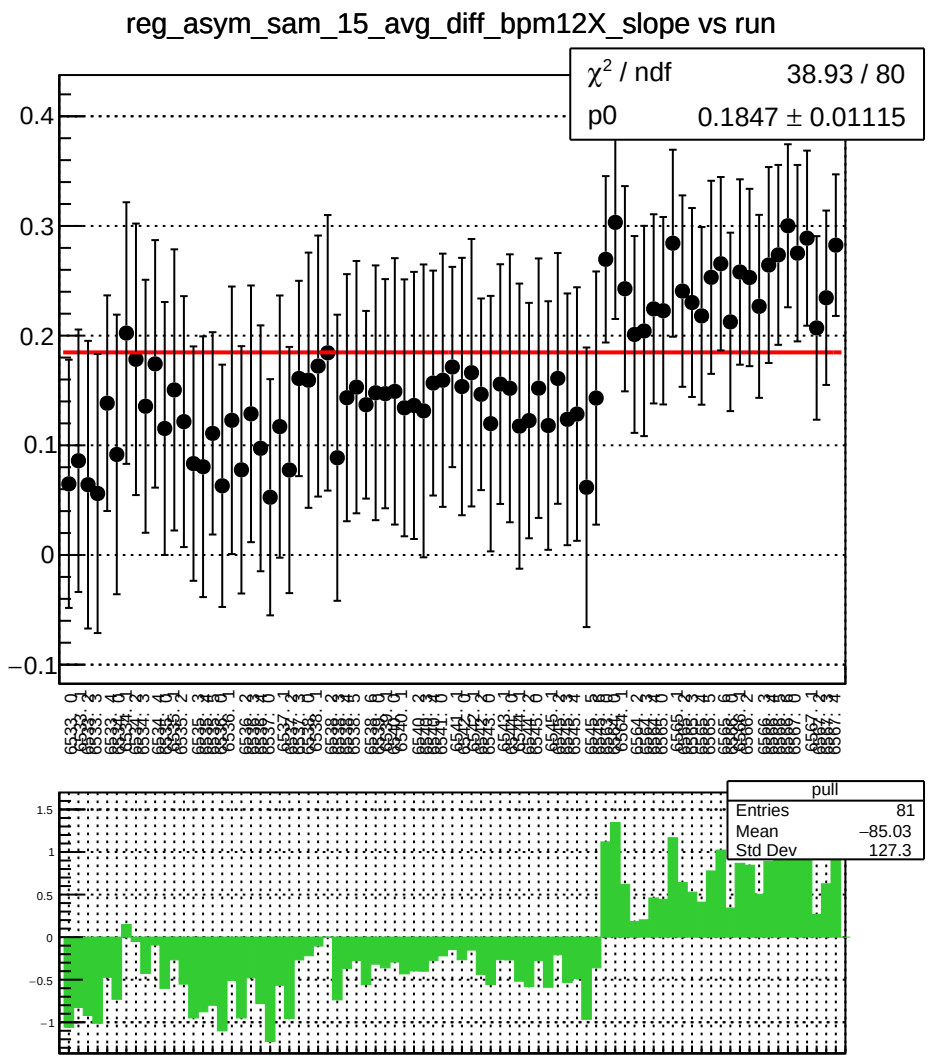

pull1D
Entries 81
Mean 0.2099
Std Dev 1.943

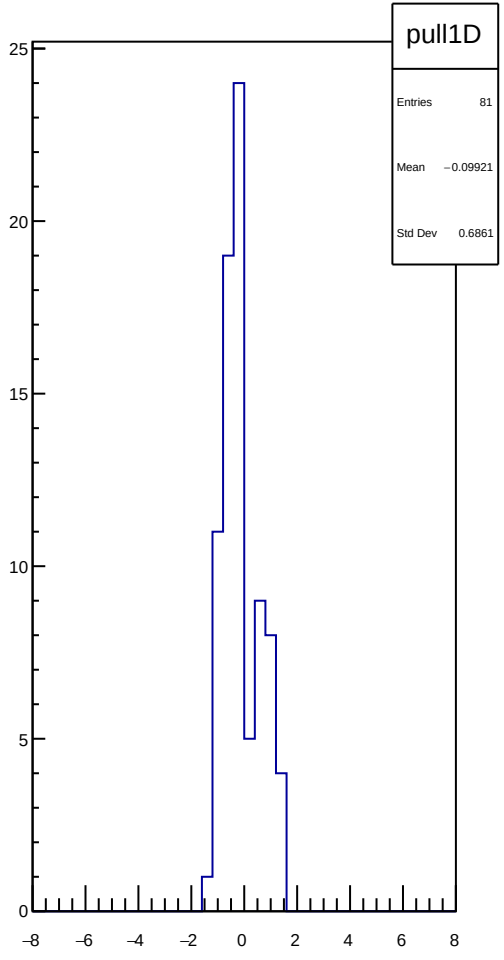

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 99.34 / 80
p0 −2.915 ± 0.2873
pull
Entries 81
Mean 142.1
Std Dev 114.8
pull1D
Entries 81
Mean 0.05642
Std Dev 1.106

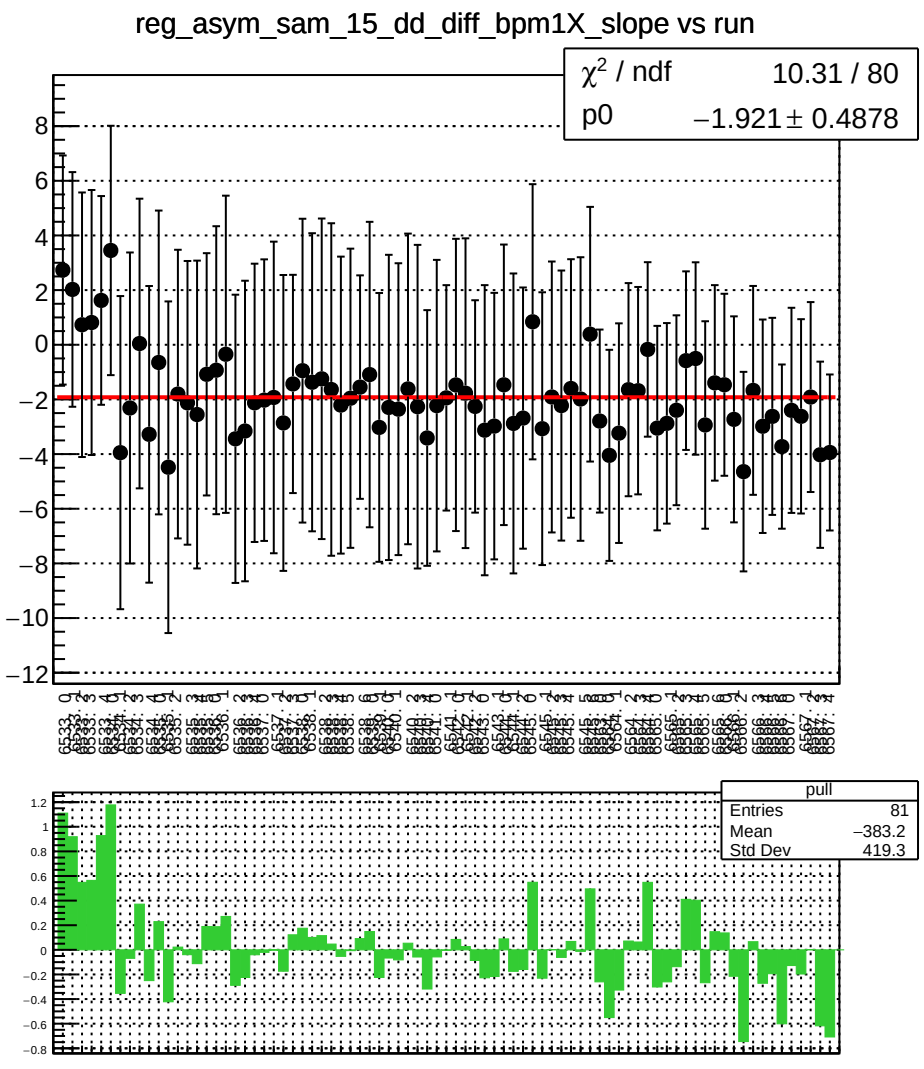

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 170.6 / 80
p0 17.06 ± 0.5291
pull
Entries 81
Mean 149.3
Std Dev 116.5
pull1D
Entries 81
Mean −0.07709
Std Dev 1.449

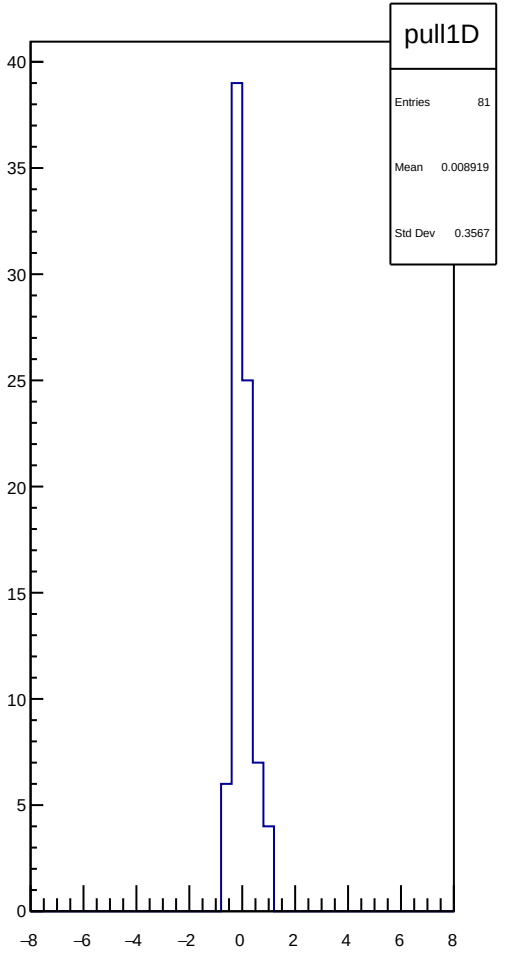

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 105.7 / 80
p0 −2.84 ± 0.3099
pull
Entries 81
Mean −195.6
Std Dev 233
pull1D
Entries 81
Mean 0.06593
Std Dev 1.14

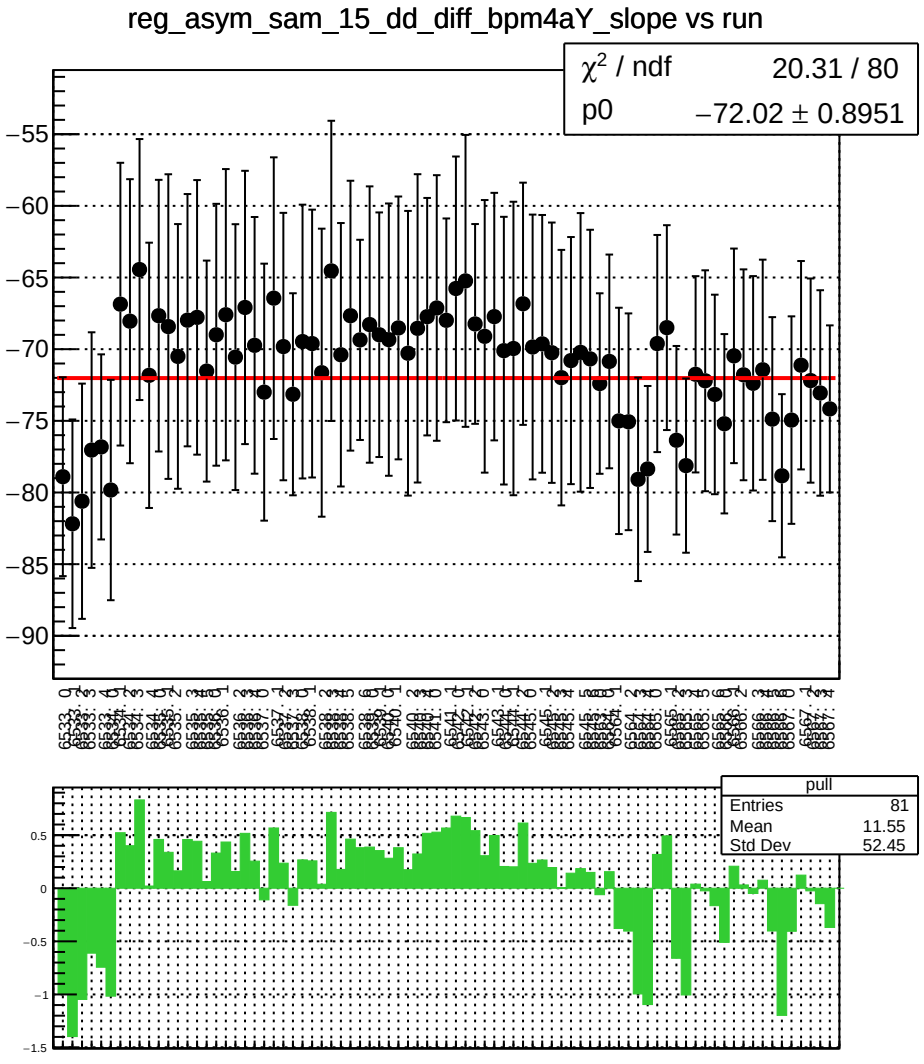

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 142.4 / 80
p0 40.59 ± 0.5104
pull
Entries 81
Mean 43.02
Std Dev 30.97
pull1D
Entries 81
Mean 0.1195
Std Dev 1.321

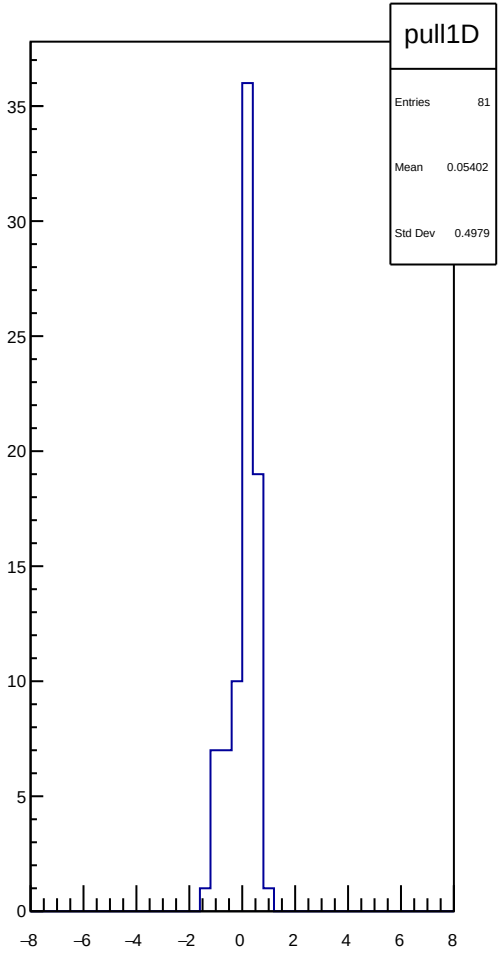

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 38.93 / 80
p0 0.1847 ± 0.01115
pull
Entries 81
Mean −85.03
Std Dev 127.3

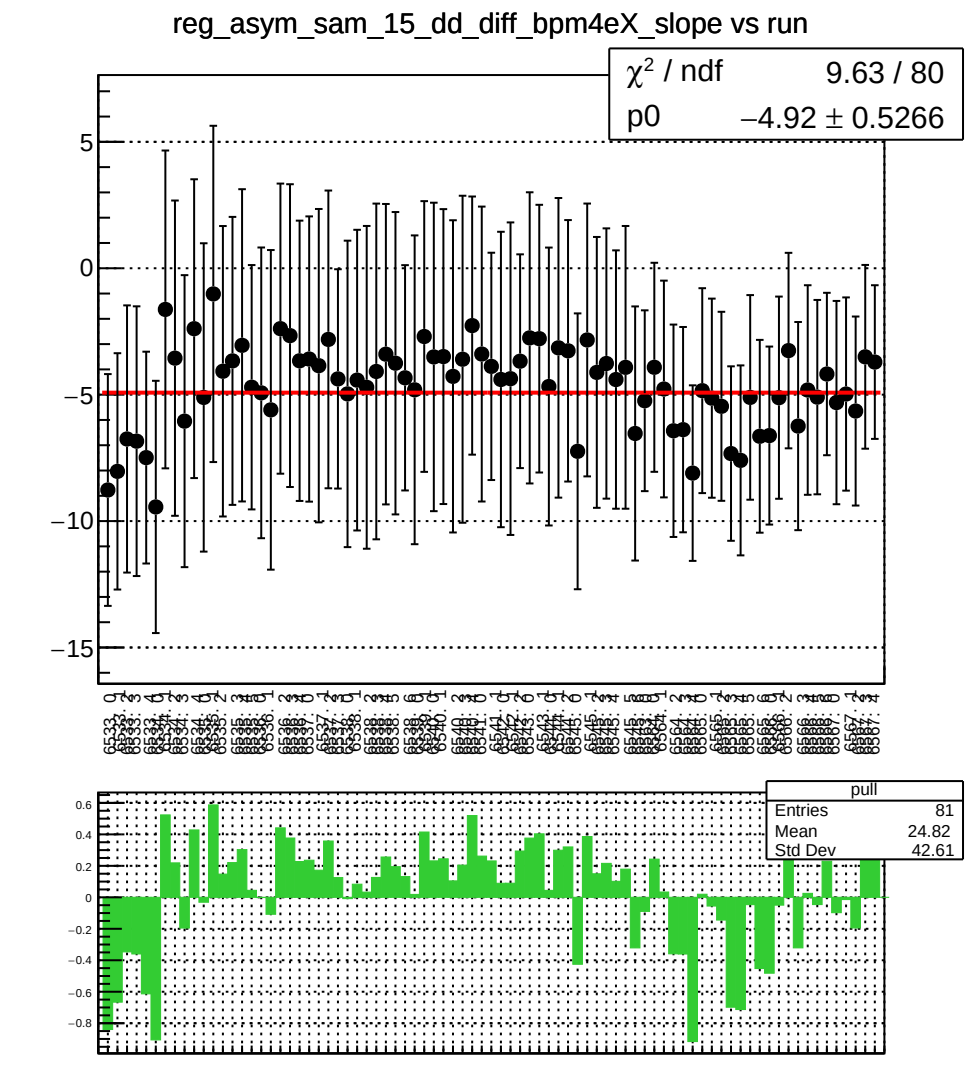

pull1D
Entries 81
Mean −0.09921
Std Dev 0.6861

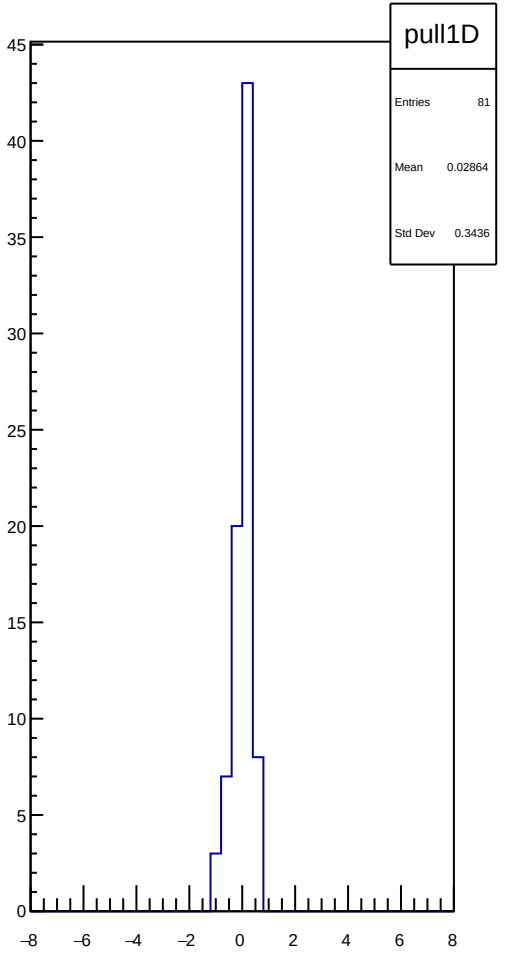

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 10.31 / 80
p0 −1.921 ± 0.4878
pull
Entries 81
Mean −383.2
Std Dev 419.3

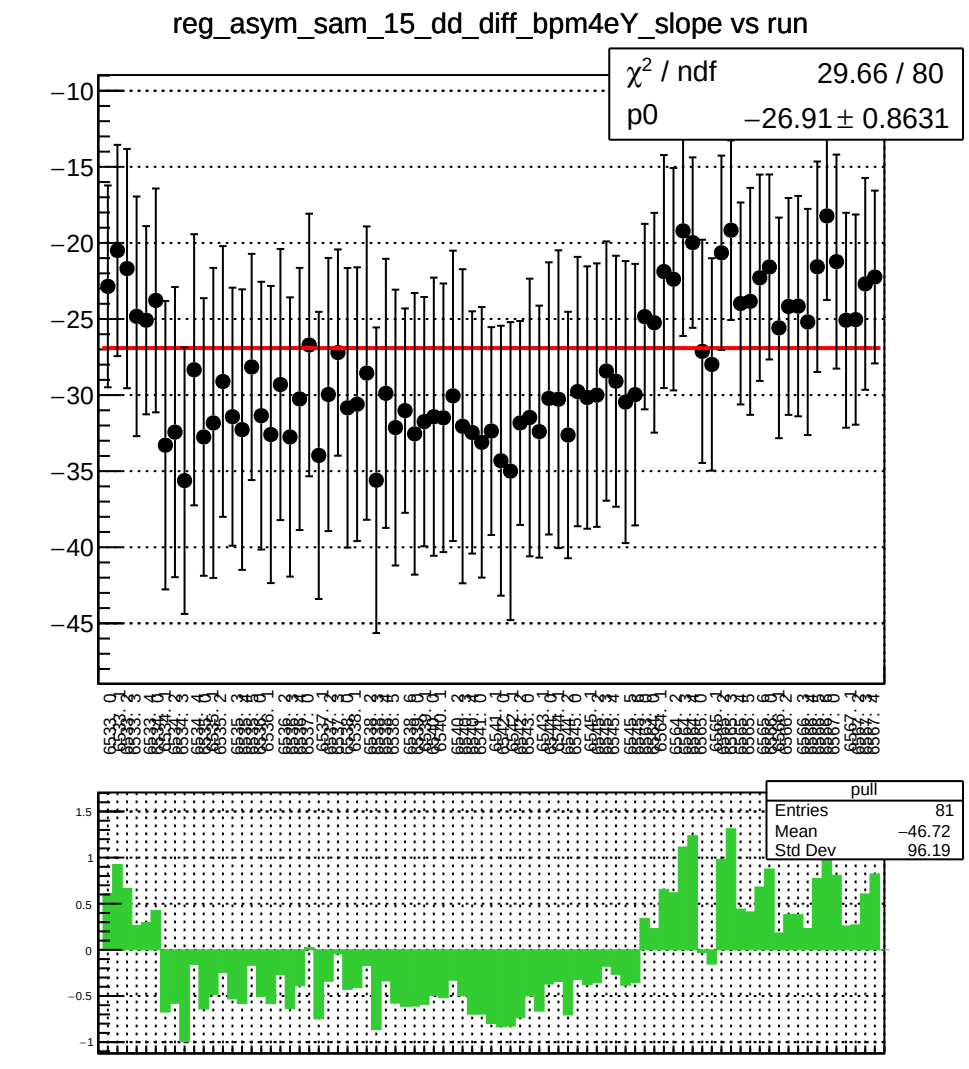

pull1D
Entries 81
Mean 0.008919
Std Dev 0.3567

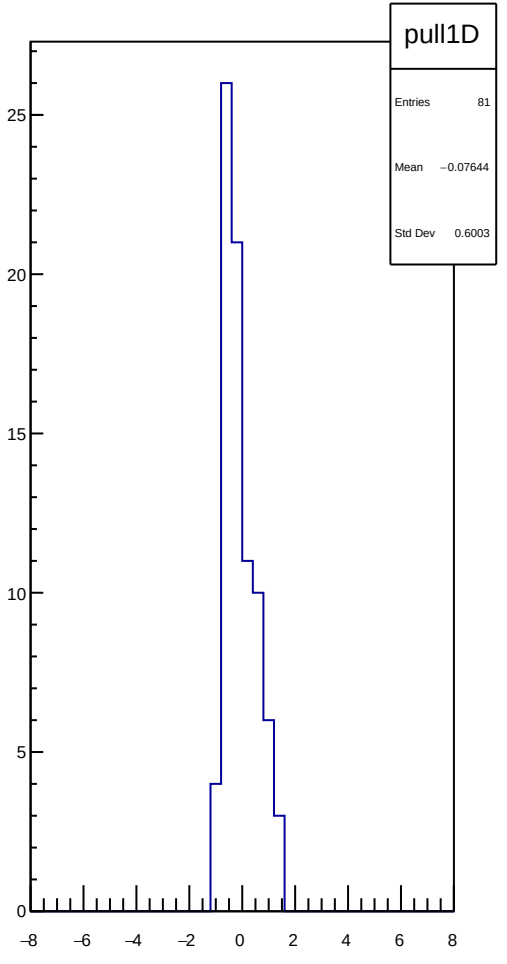

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.31 / 80
p0 −72.02 ± 0.8951
pull
Entries 81
Mean 11.55
Std Dev 52.45

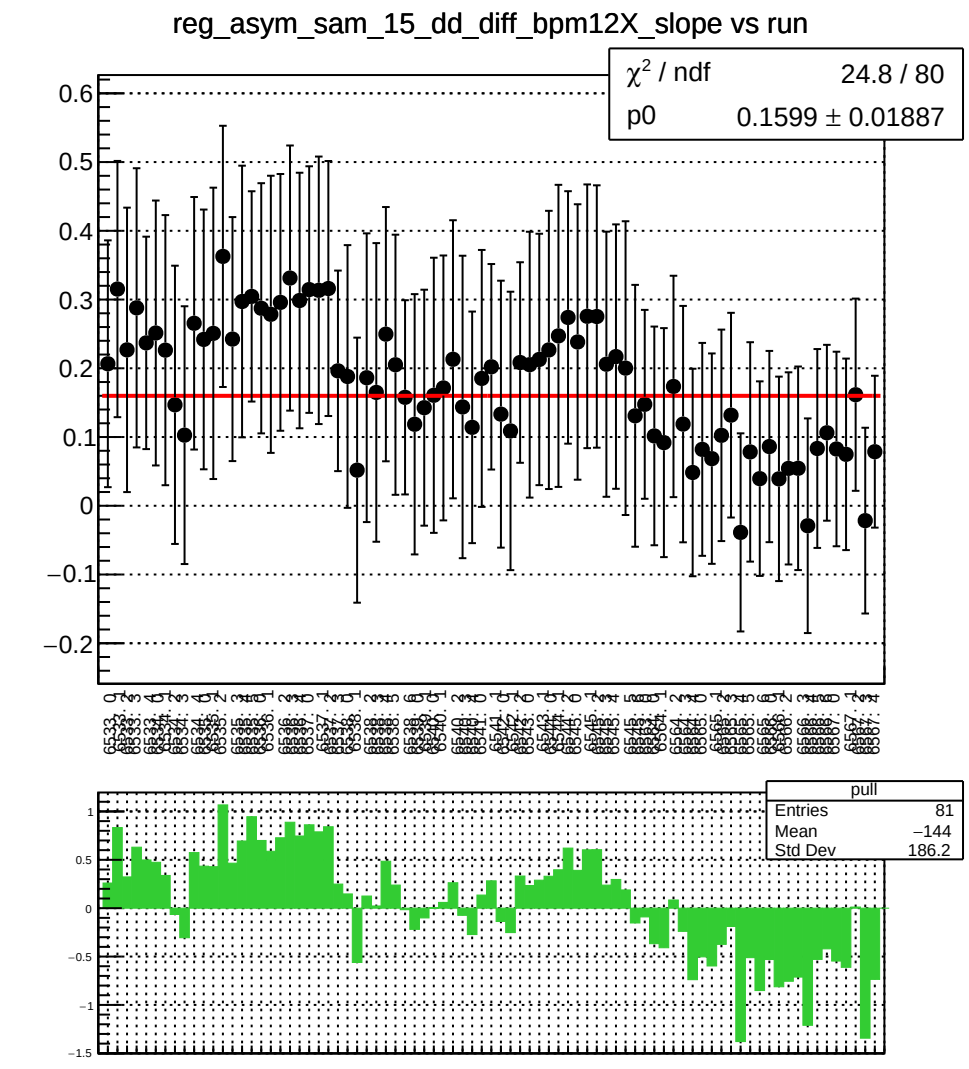

pull1D
Entries 81
Mean 0.05402
Std Dev 0.4979

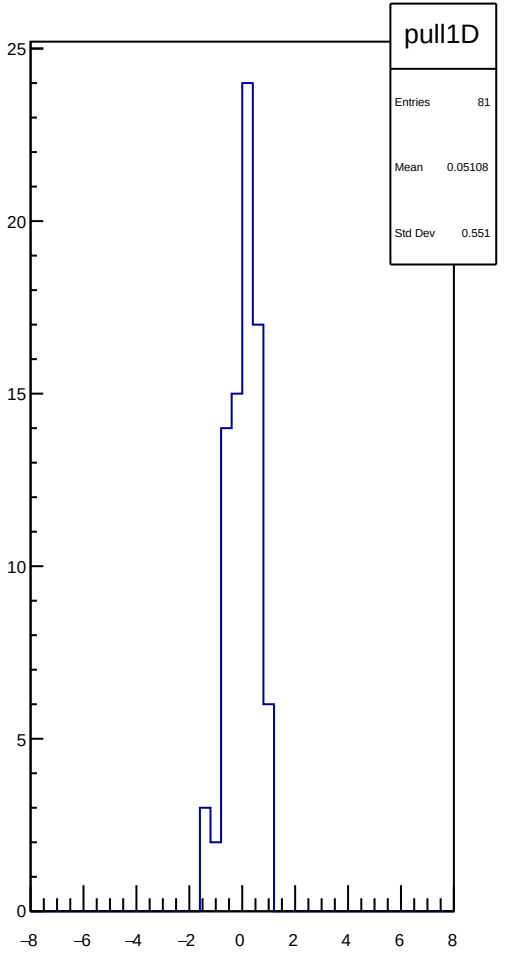

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.63 / 80
p0 −4.92 ± 0.5266
pull
Entries 81
Mean 24.82
Std Dev 42.61

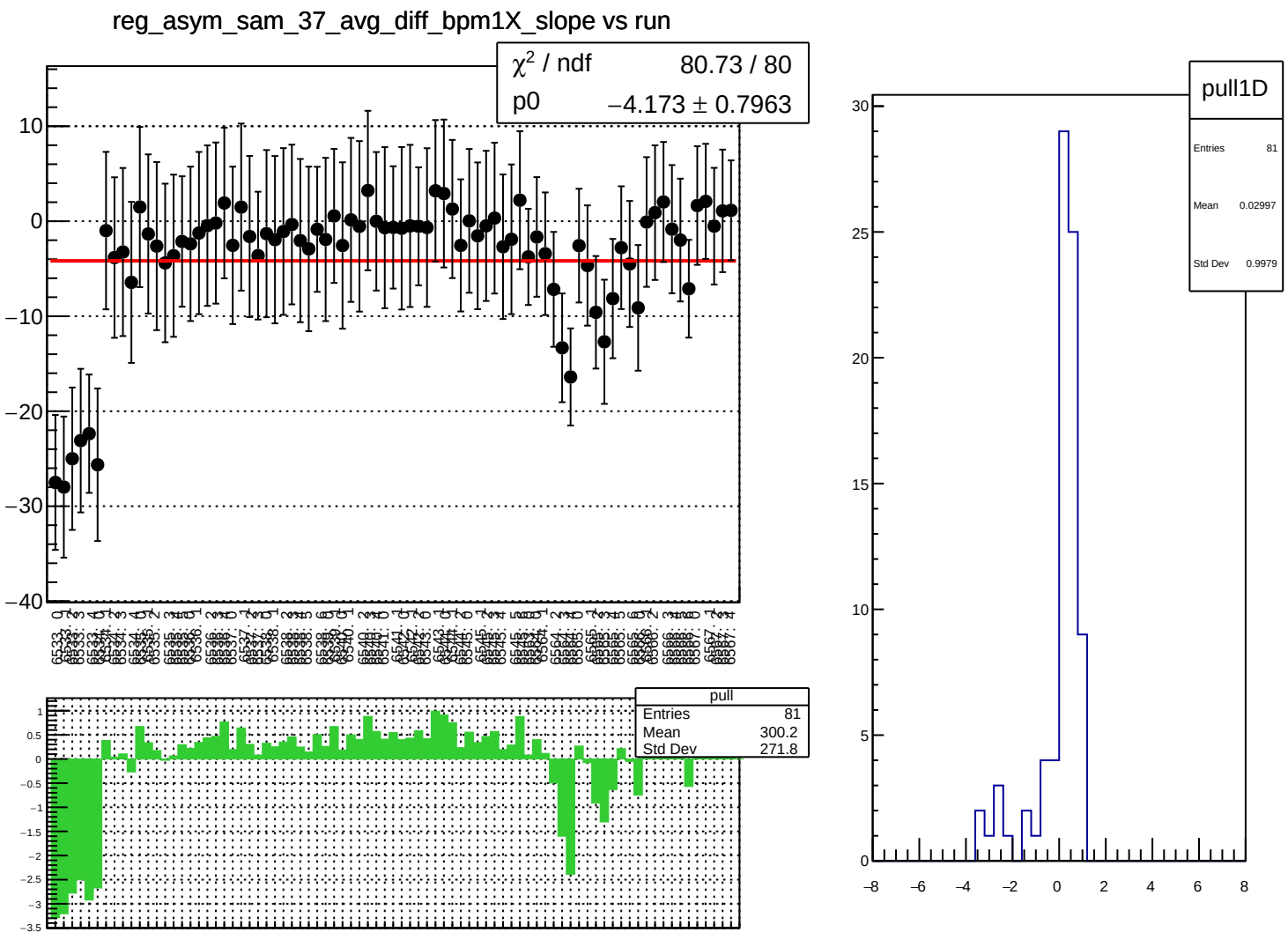

pull1D
Entries 81
Mean 0.02864
Std Dev 0.3436

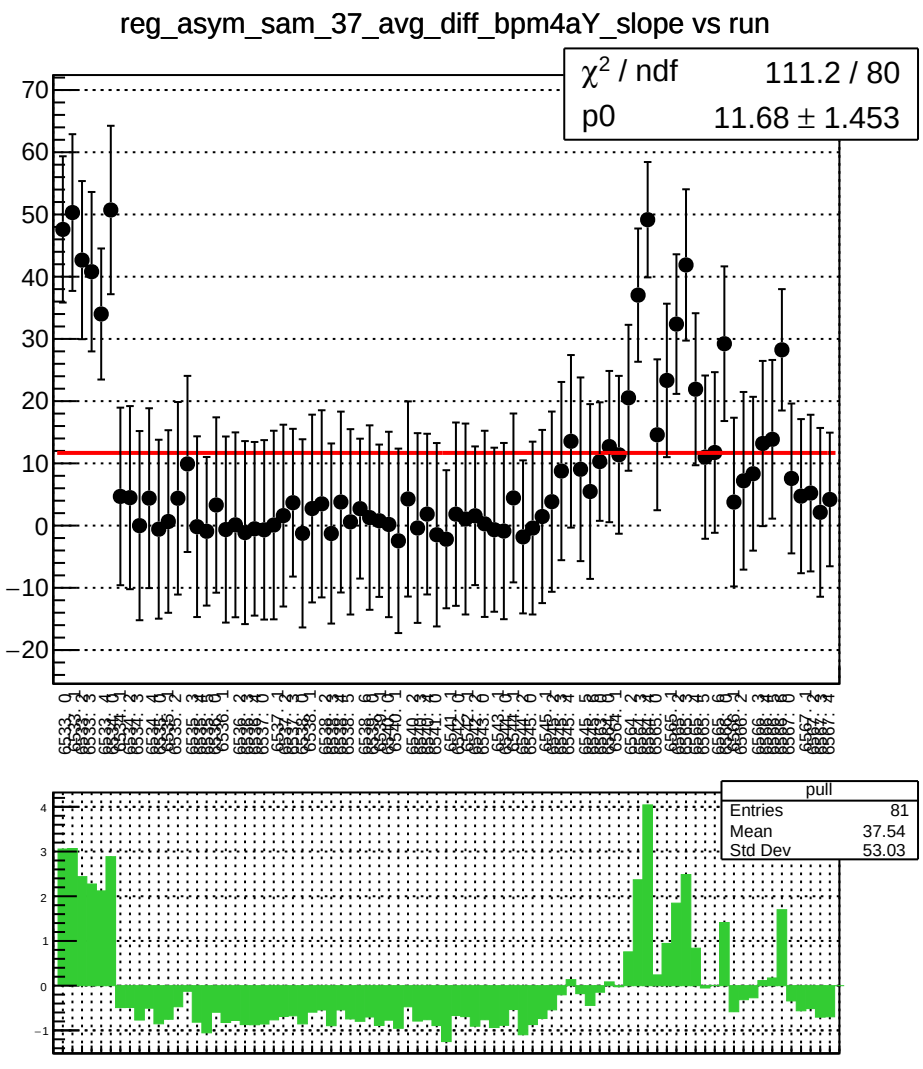

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.66 / 80
p0 −26.91 ± 0.8631
pull
Entries 81
Mean −46.72
Std Dev 96.19

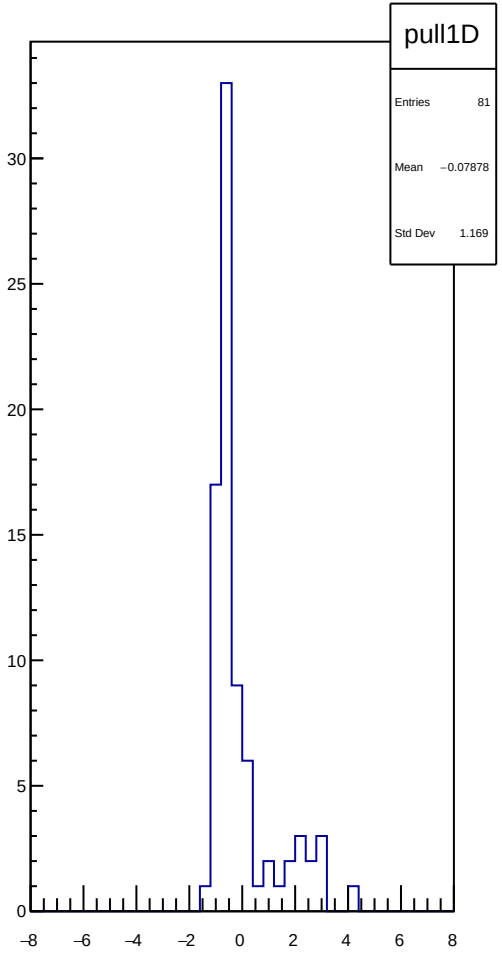

pull1D
Entries 81
Mean −0.07644
Std Dev 0.6003

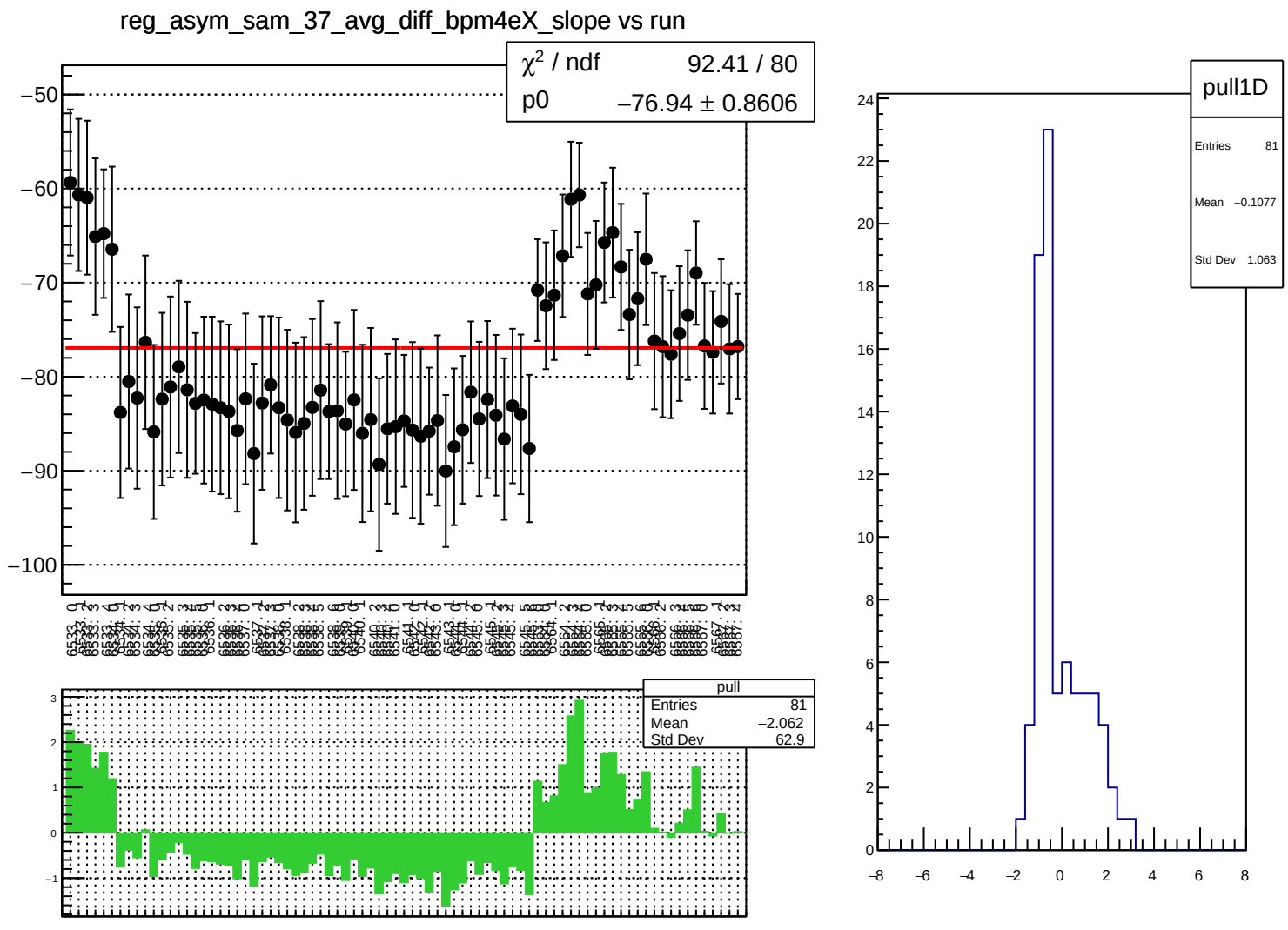

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 24.8 / 80
p0 0.1599 ± 0.01887
pull
Entries 81
Mean −144
Std Dev 186.2

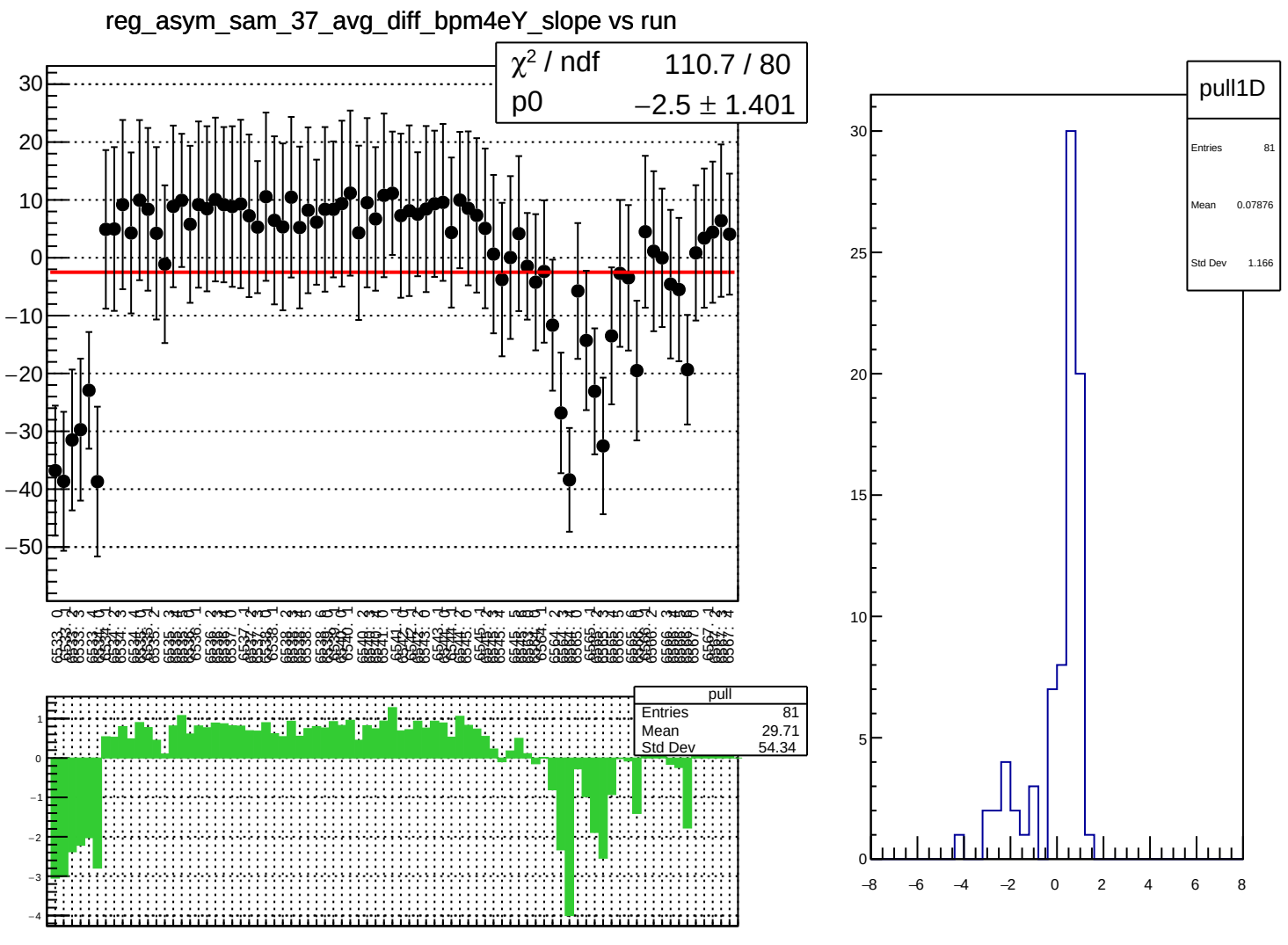

pull1D
Entries 81
Mean 0.05108
Std Dev 0.551

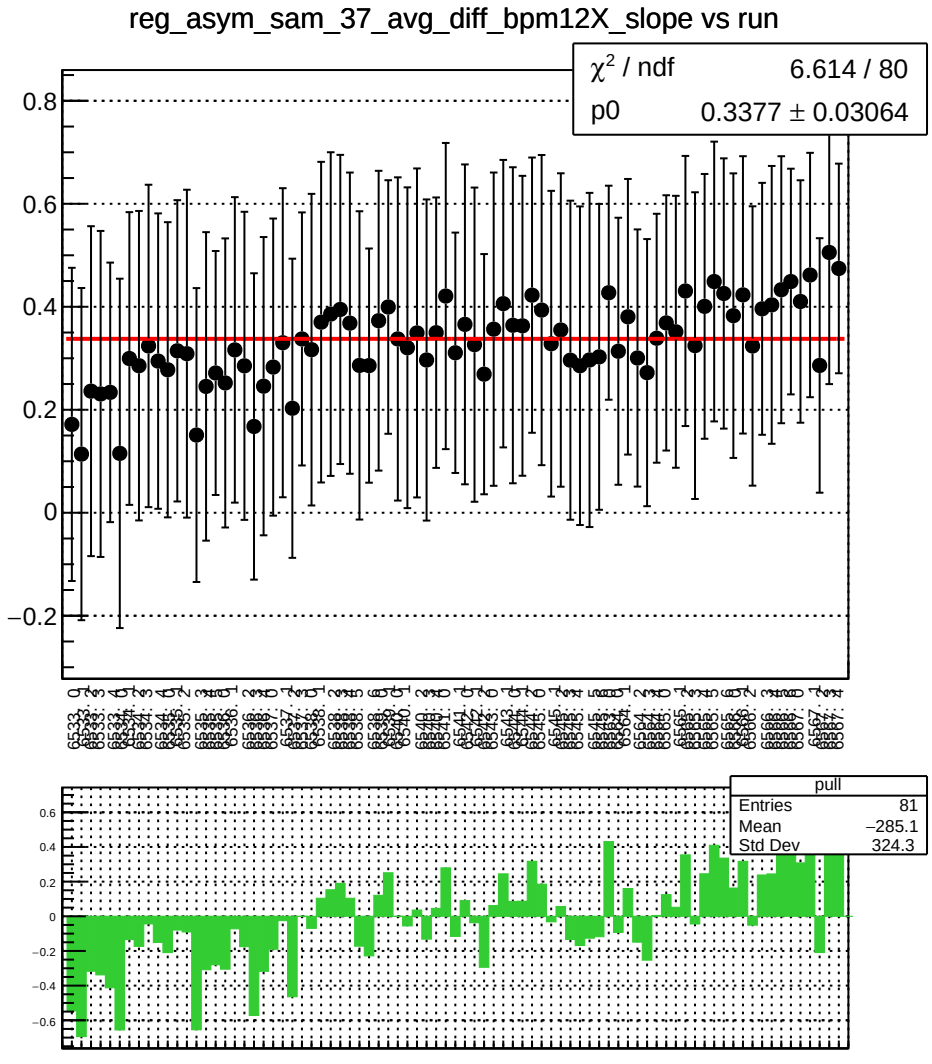

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 80.73 / 80
p0 −4.173 ± 0.7963
pull
Entries 81
Mean 300.2
Std Dev 271.8
pull1D
Entries 81
Mean 0.02997
Std Dev 0.9979

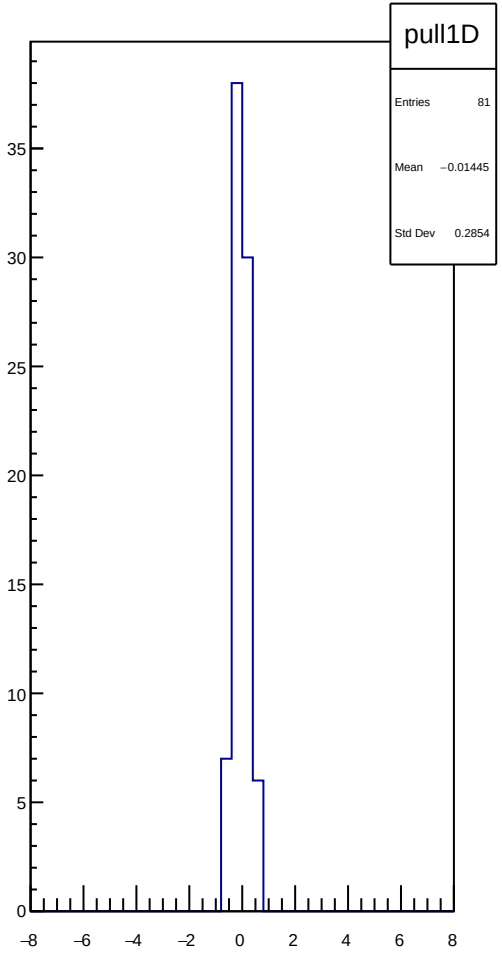

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 111.2 / 80
p0 11.68 ± 1.453
pull
Entries 81
Mean 37.54
Std Dev 53.03

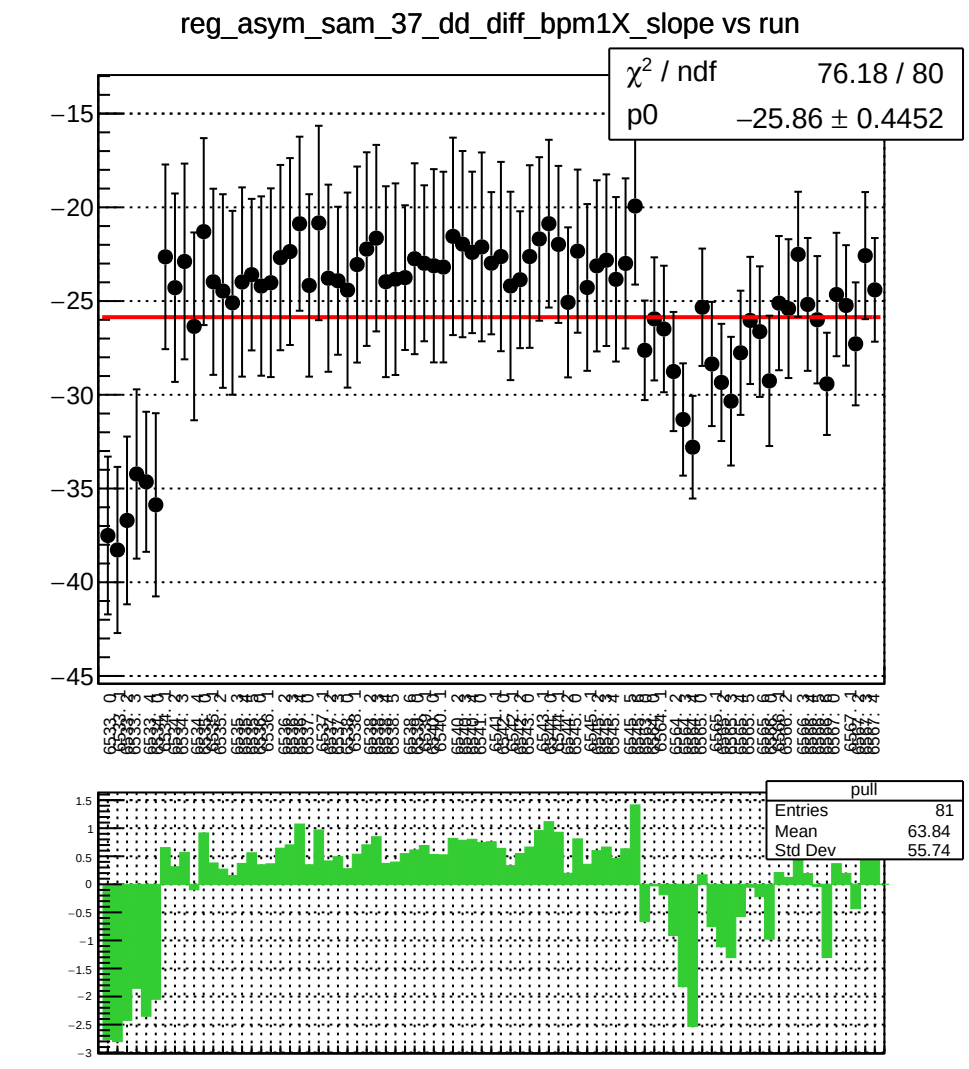

pull1D
Entries 81
Mean −0.07878
Std Dev 1.169

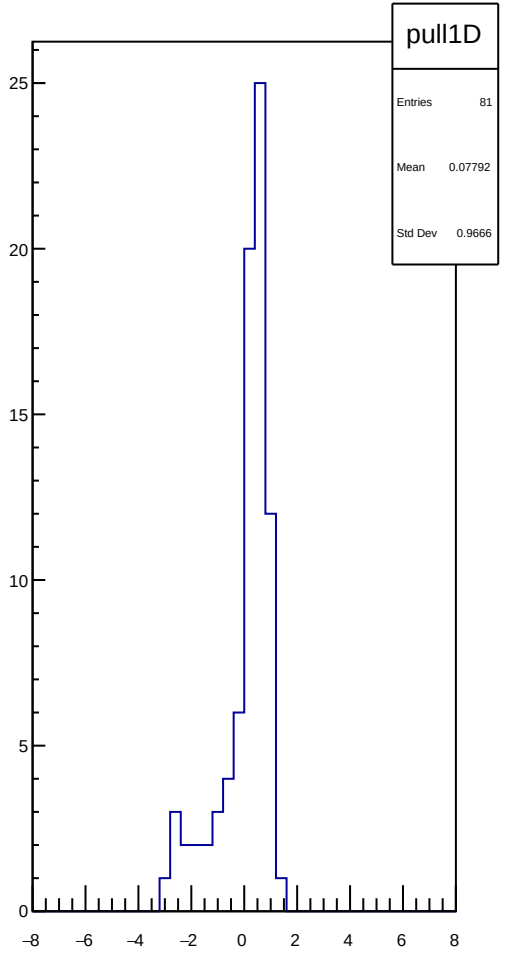

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.41 / 80
p0 −76.94 ± 0.8606
pull
Entries 81
Mean −2.062
Std Dev 62.9
pull1D
Entries 81
Mean −0.1077
Std Dev 1.063

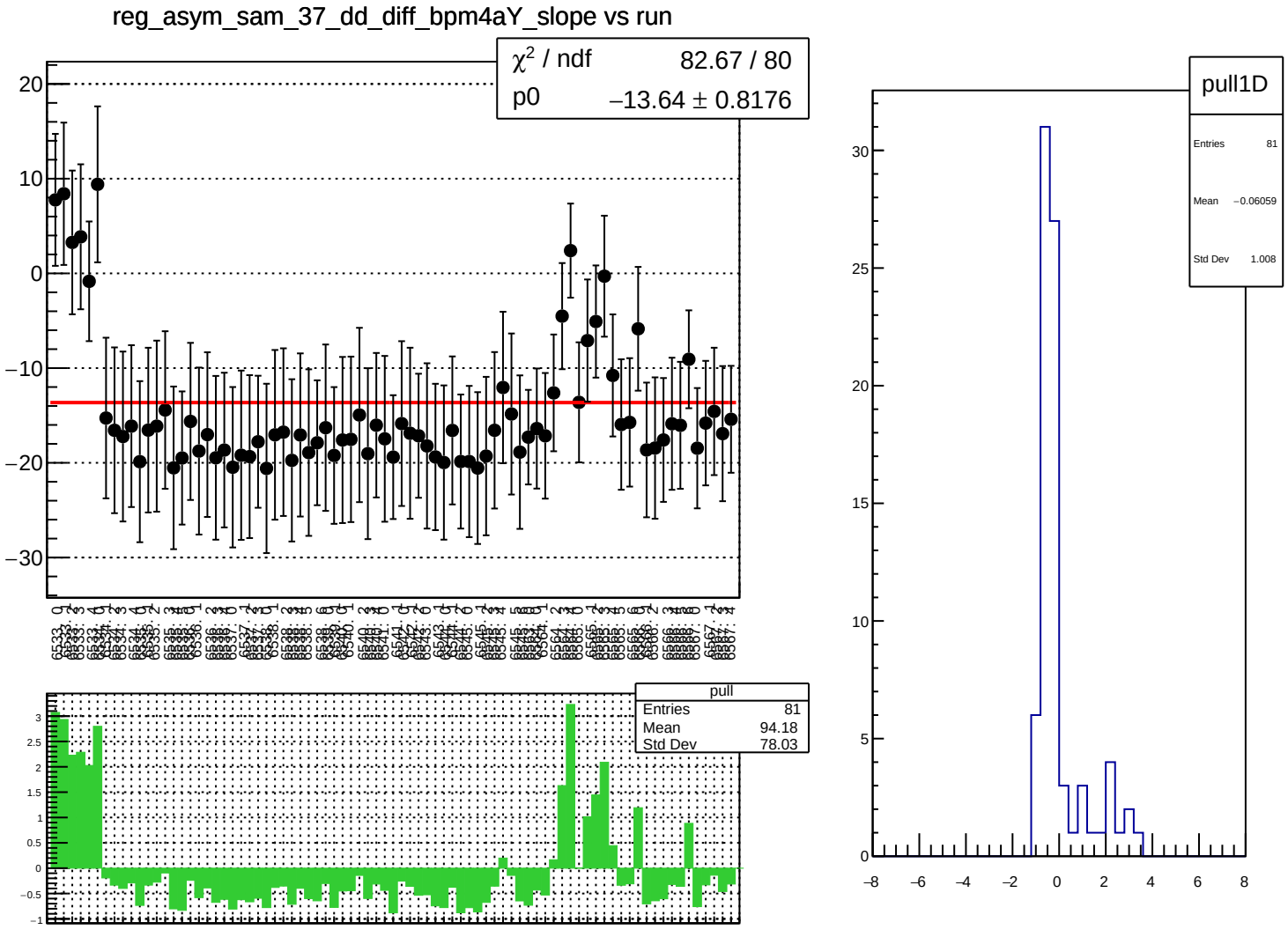

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 110.7 / 80
p0 −2.5 ± 1.401
pull
Entries 81
Mean 29.71
Std Dev 54.34
pull1D
Entries 81
Mean 0.07876
Std Dev 1.166

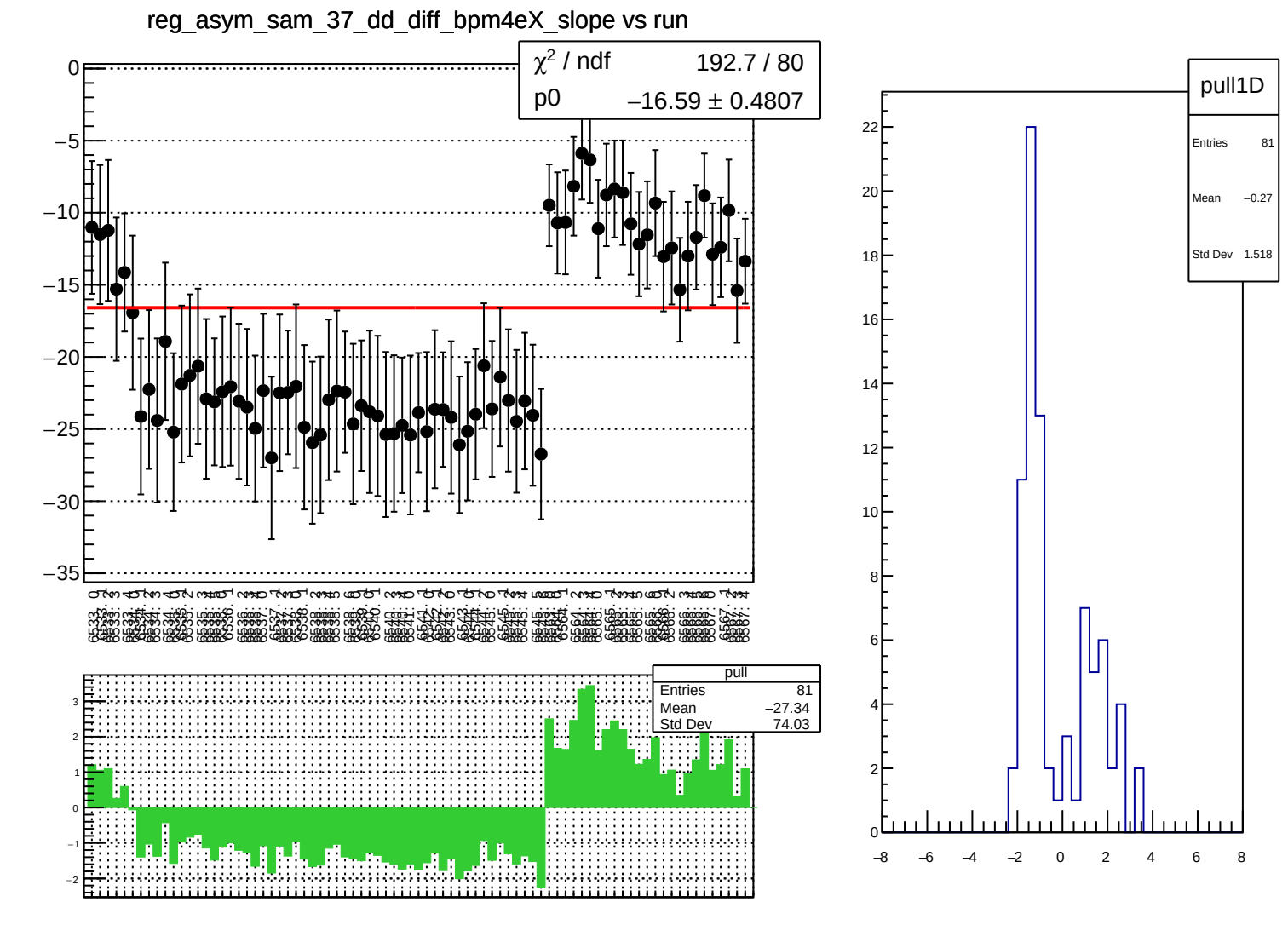

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 6.614 / 80
p0 0.3377 ± 0.03064
pull
Entries 81
Mean −285.1
Std Dev 324.3

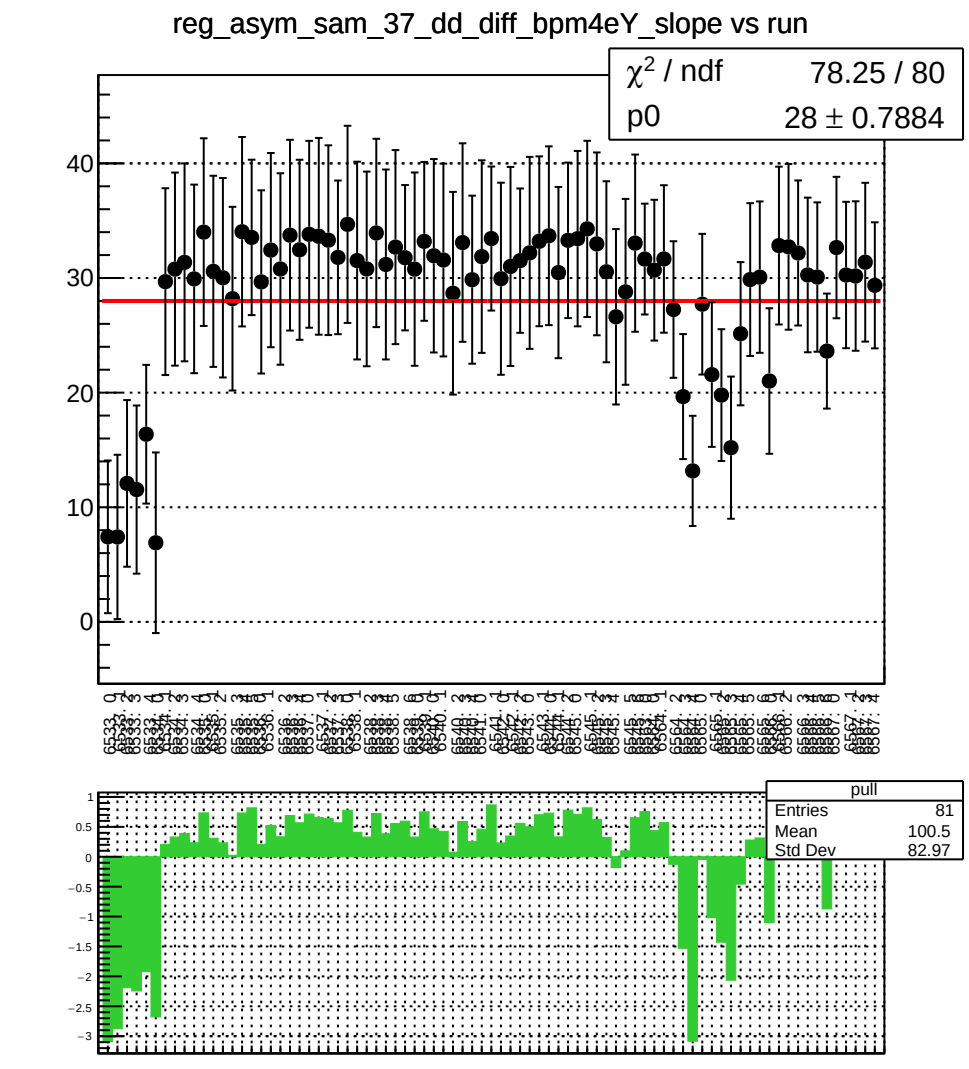

pull1D
Entries 81
Mean −0.01445
Std Dev 0.2854

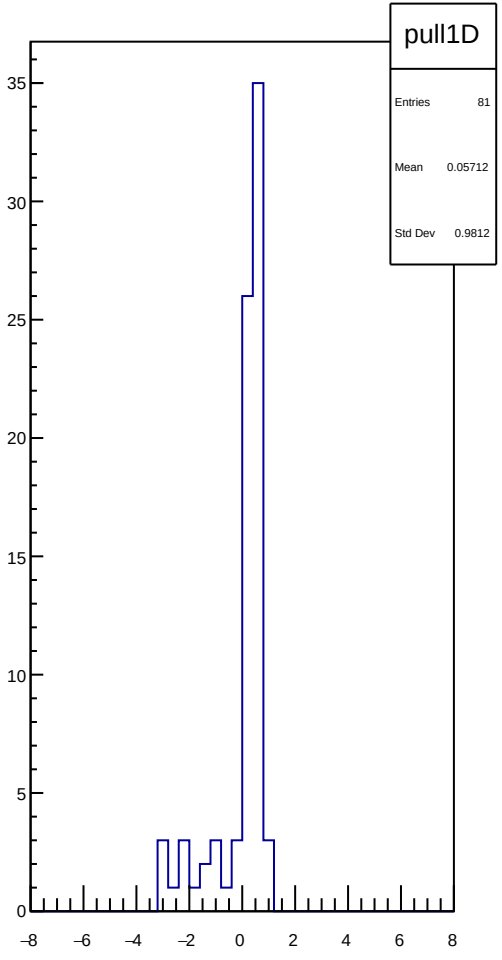

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 76.18 / 80
p0 −25.86 ± 0.4452
pull
Entries 81
Mean 63.84
Std Dev 55.74

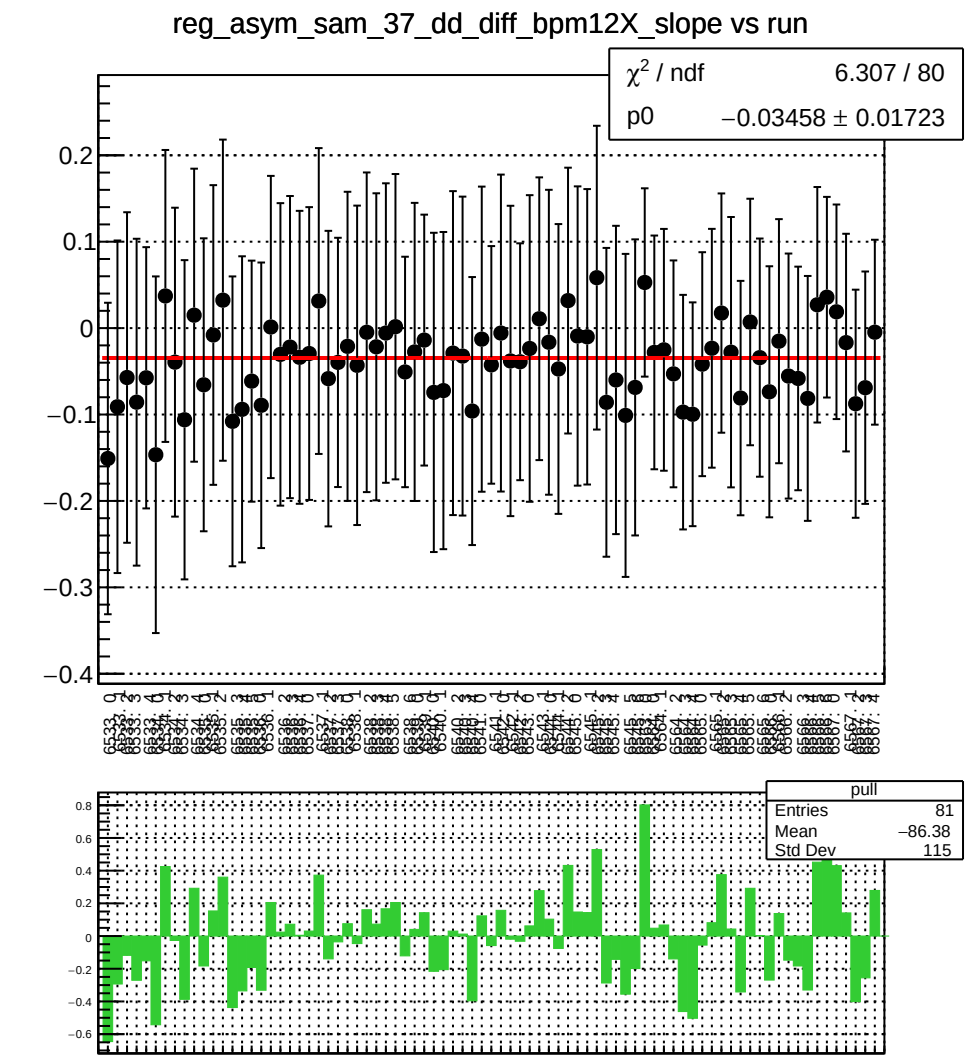

pull1D
Entries 81
Mean 0.07792
Std Dev 0.9666

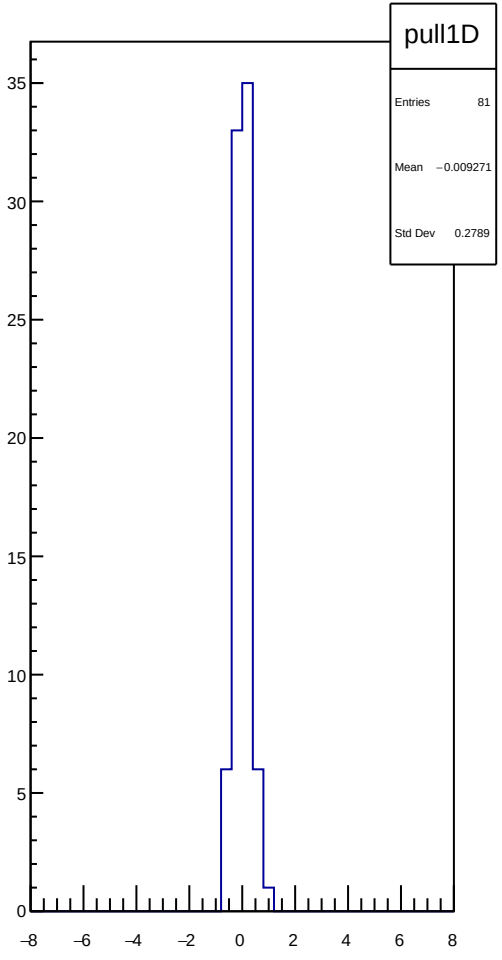

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.67 / 80
p0 −13.64 ± 0.8176
pull
Entries 81
Mean 94.18
Std Dev 78.03
pull1D
Entries 81
Mean −0.06059
Std Dev 1.008

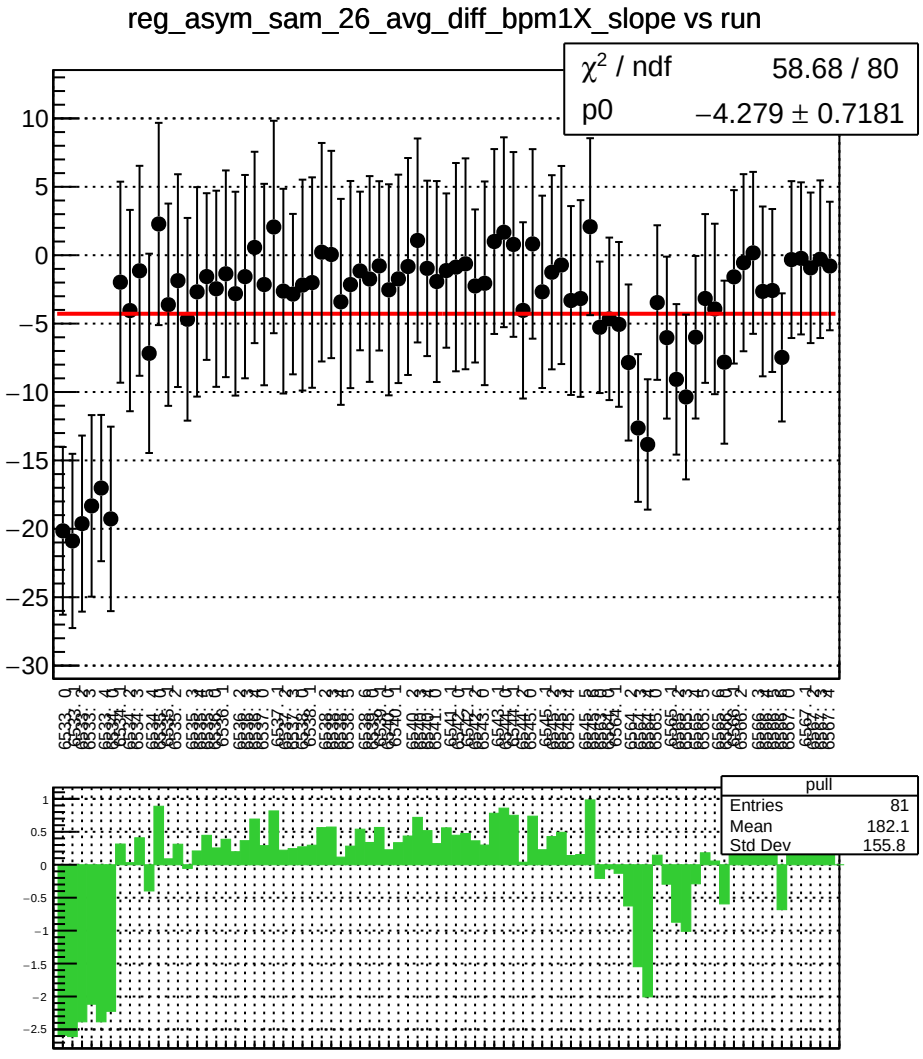

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 192.7 / 80
p0 −16.59 ± 0.4807
pull
Entries 81
Mean −27.34
Std Dev 74.03
pull1D
Entries 81
Mean −0.27
Std Dev 1.518

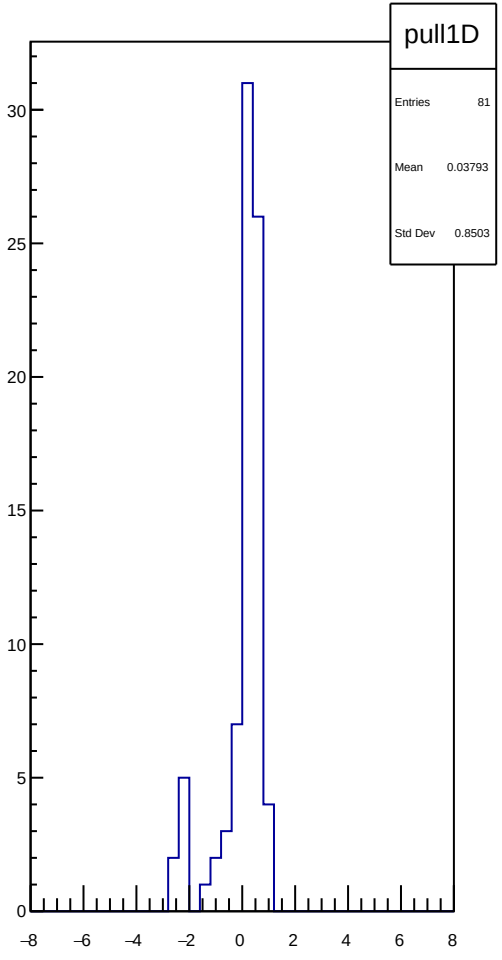

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.25 / 80
p0 28 ± 0.7884
pull
Entries 81
Mean 100.5
Std Dev 82.97

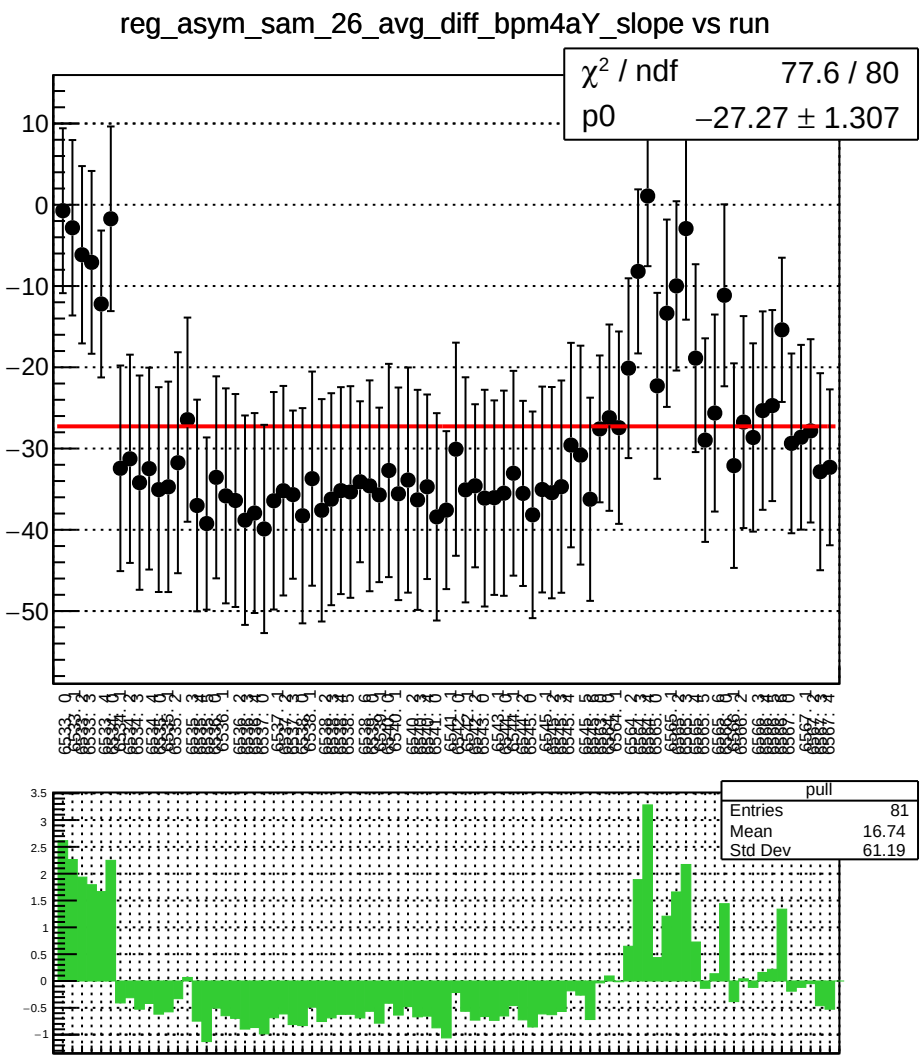

pull1D
Entries 81
Mean 0.05712
Std Dev 0.9812

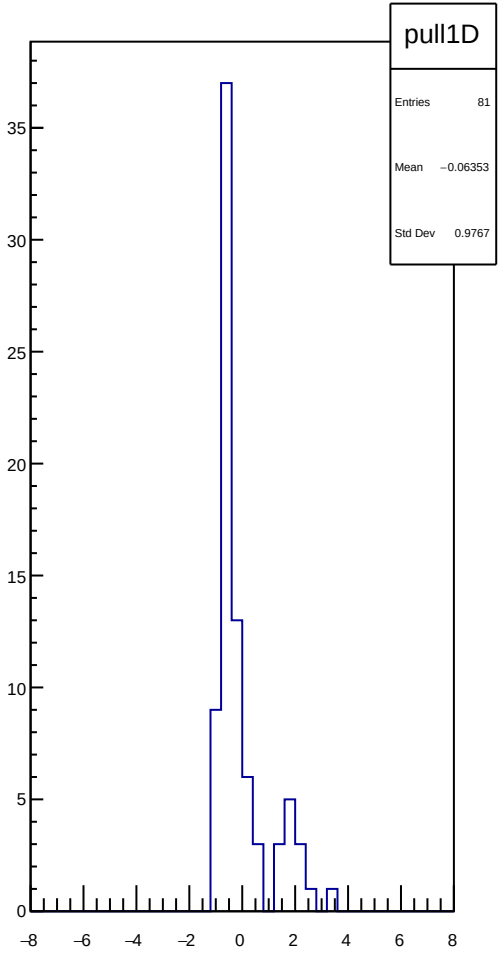

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.307 / 80
p0 −0.03458 ± 0.01723
pull
Entries 81
Mean −86.38
Std Dev 115

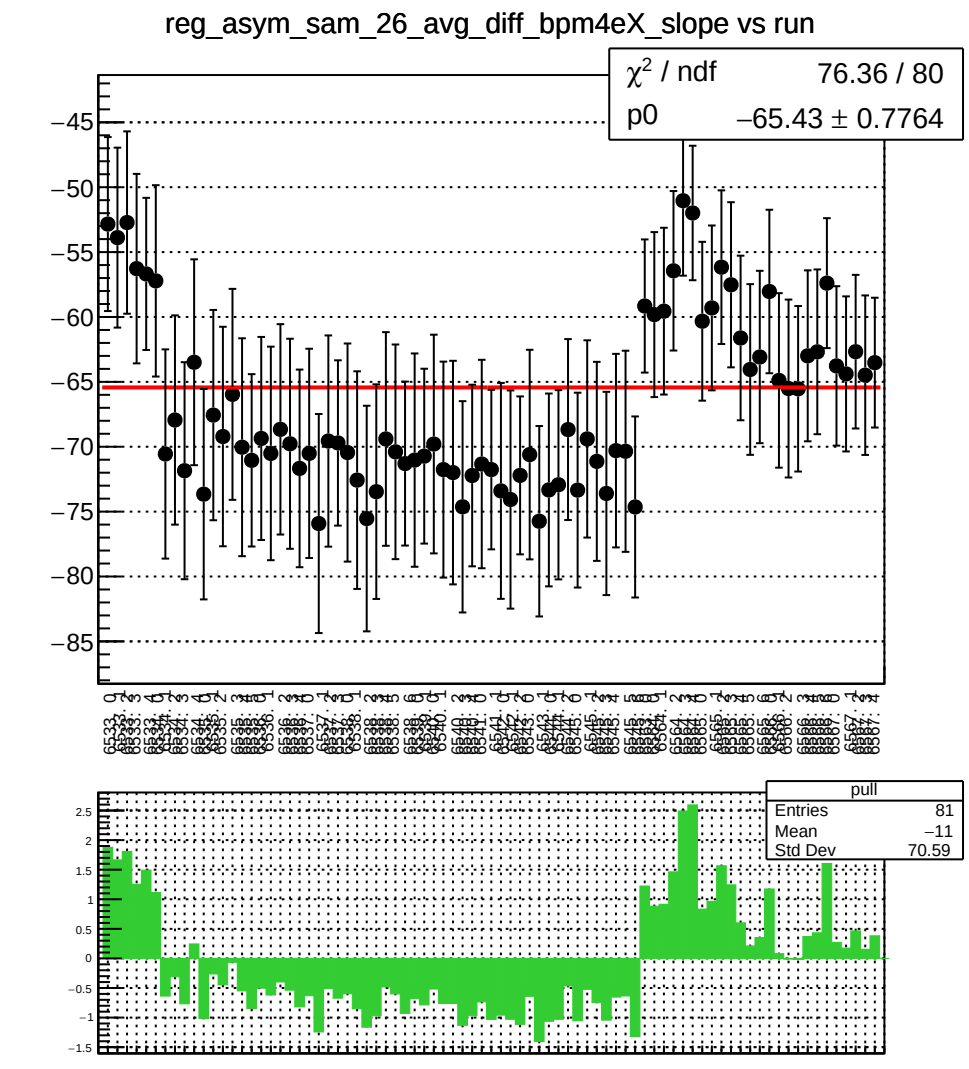

pull1D
Entries 81
Mean −0.009271
Std Dev 0.2789

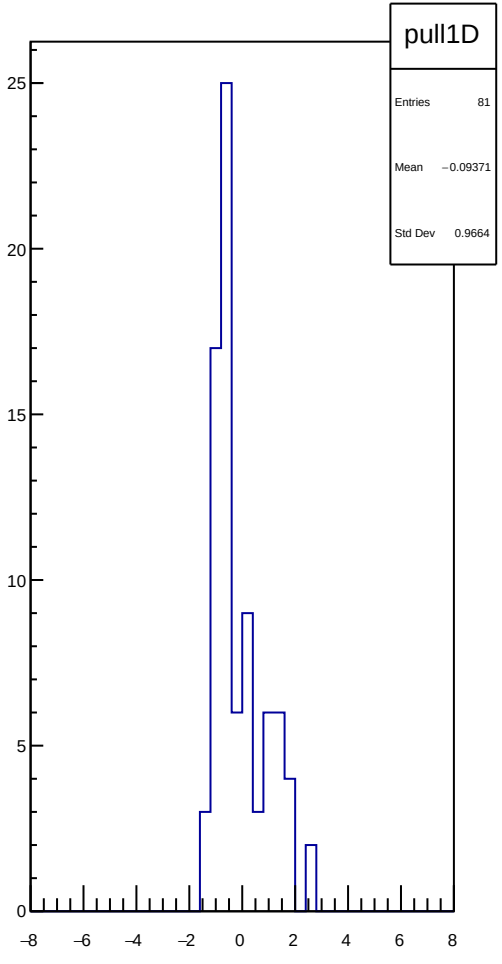

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 58.68 / 80
p0 −4.279 ± 0.7181
pull
Entries 81
Mean 182.1
Std Dev 155.8

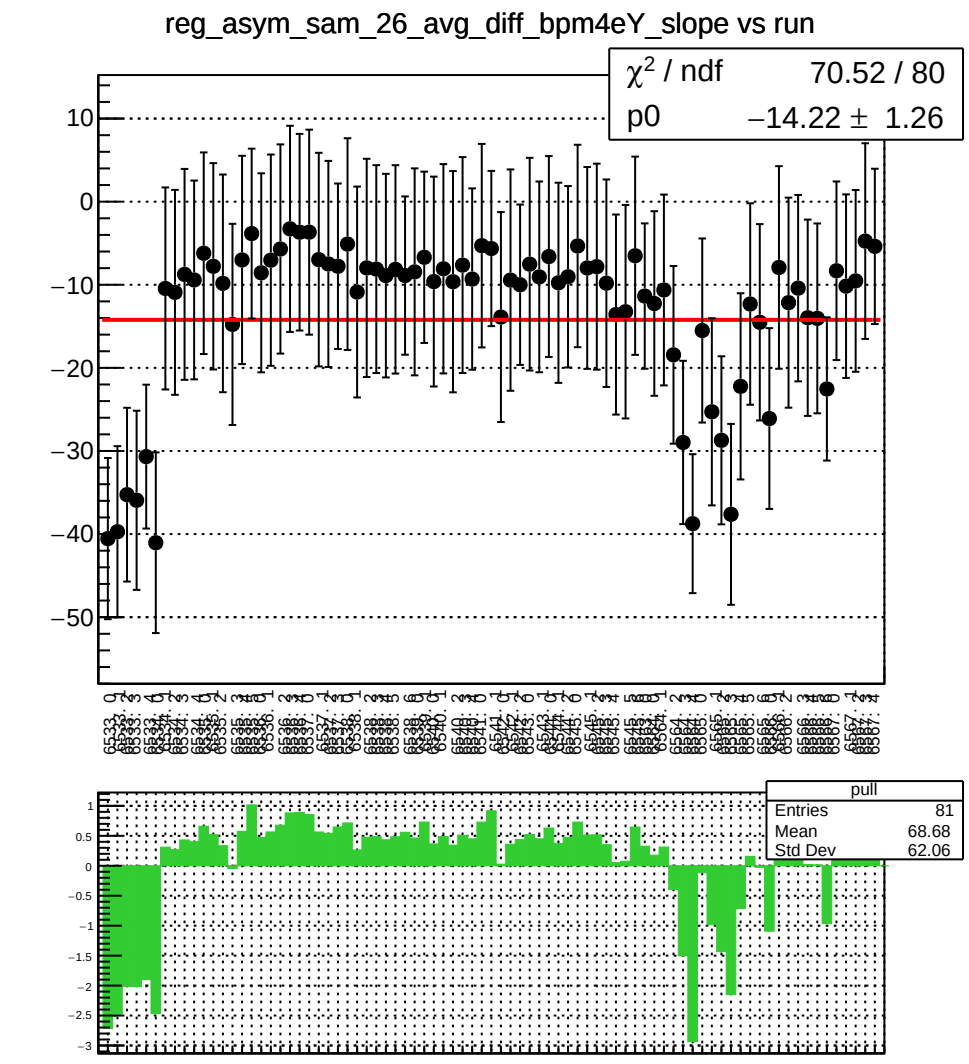

pull1D
Entries 81
Mean 0.03793
Std Dev 0.8503

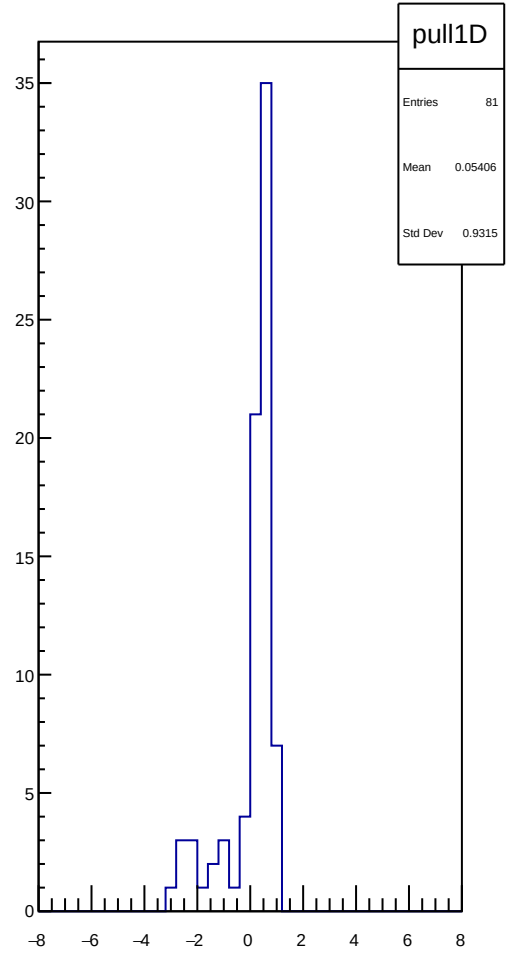

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 77.6 / 80
p0 −27.27 ± 1.307
pull
Entries 81
Mean 16.74
Std Dev 61.19

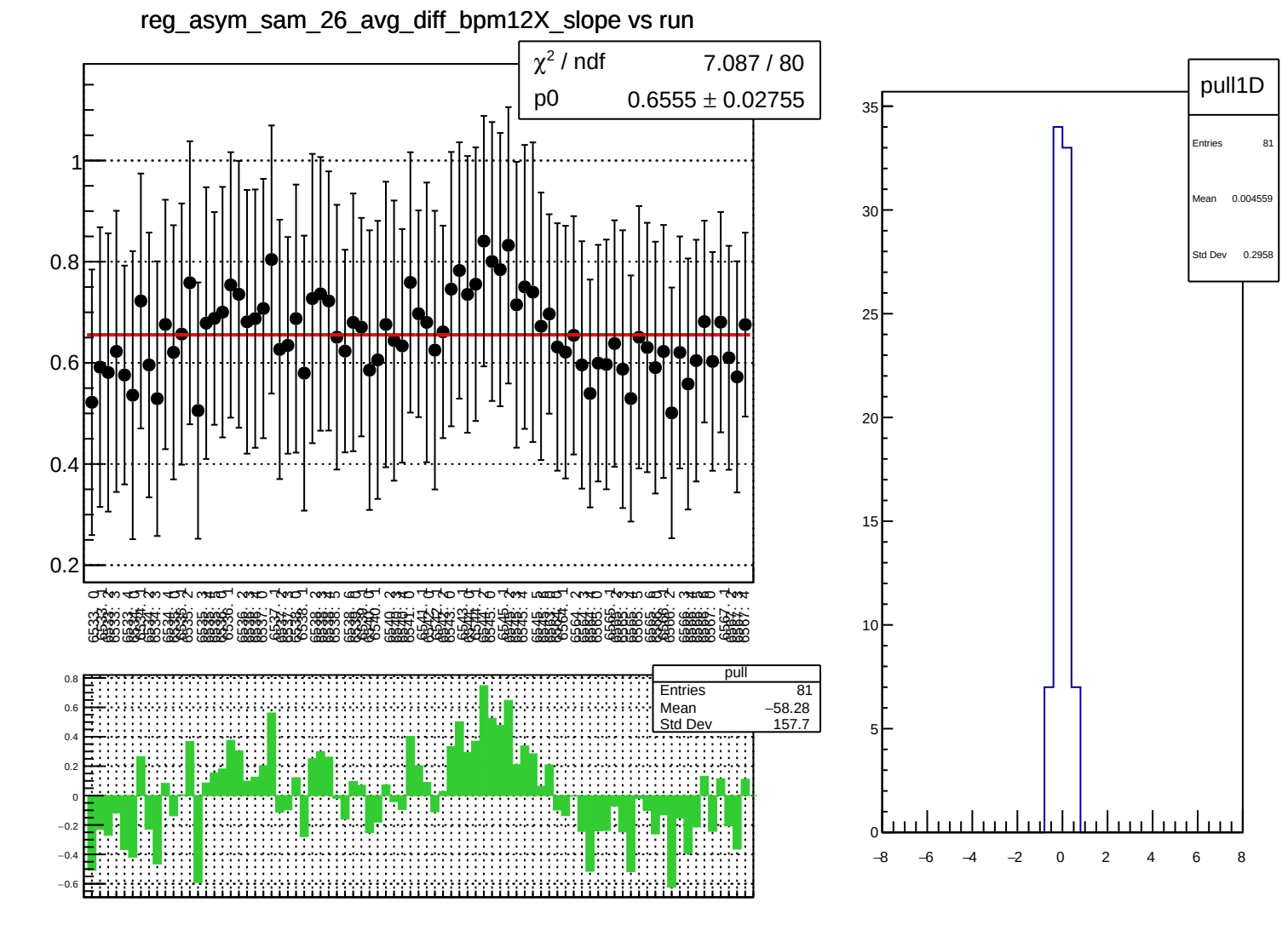

pull1D
Entries 81
Mean −0.06353
Std Dev 0.9767

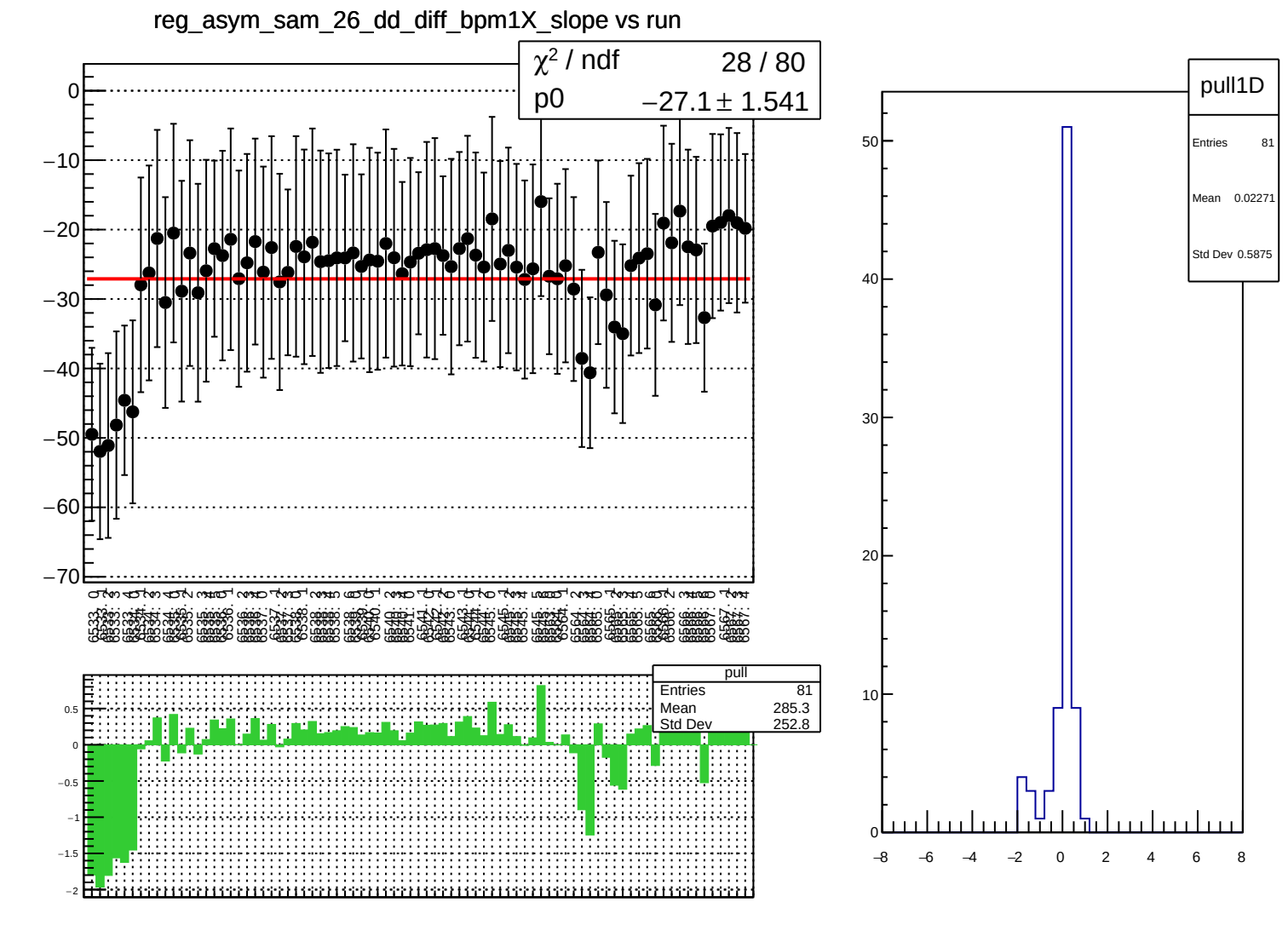

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.36 / 80
p0 −65.43 ± 0.7764
pull
Entries 81
Mean −11
Std Dev 70.59

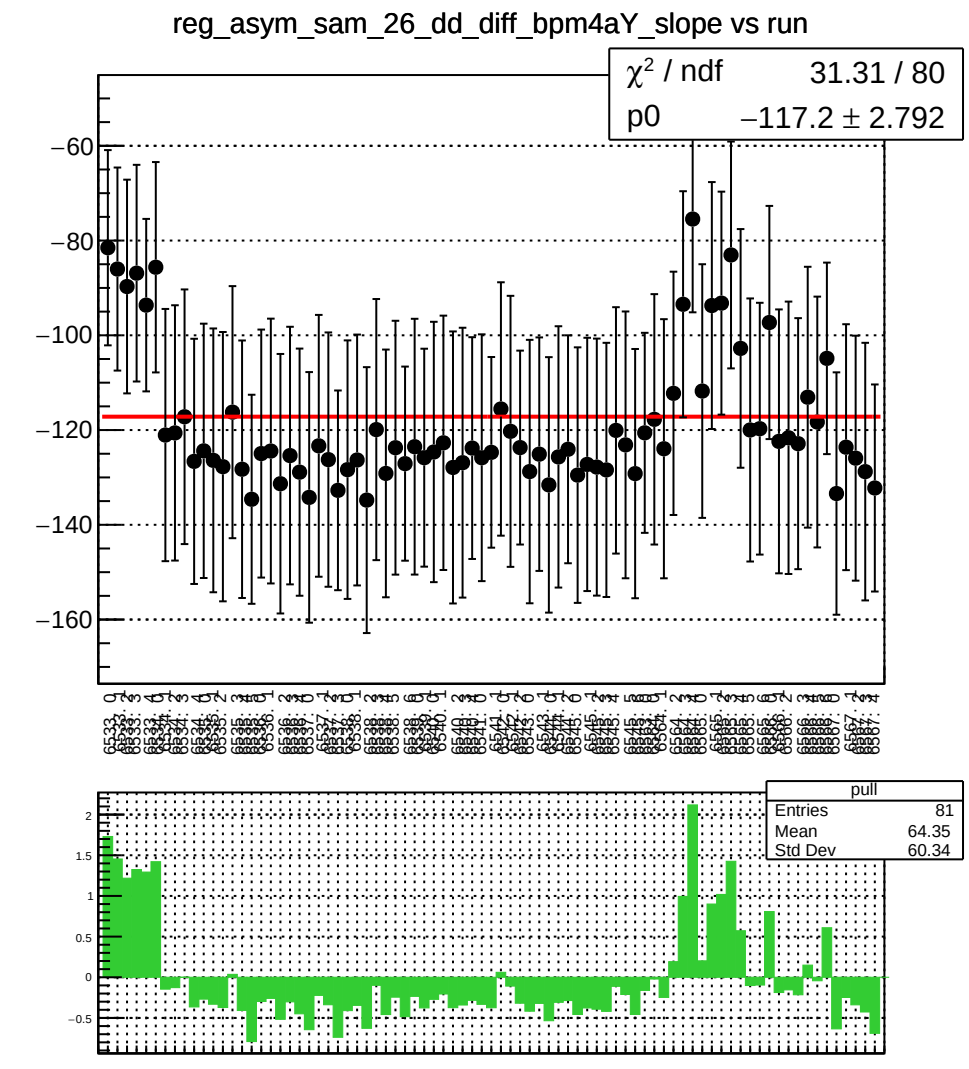

pull1D
Entries 81
Mean −0.09371
Std Dev 0.9664

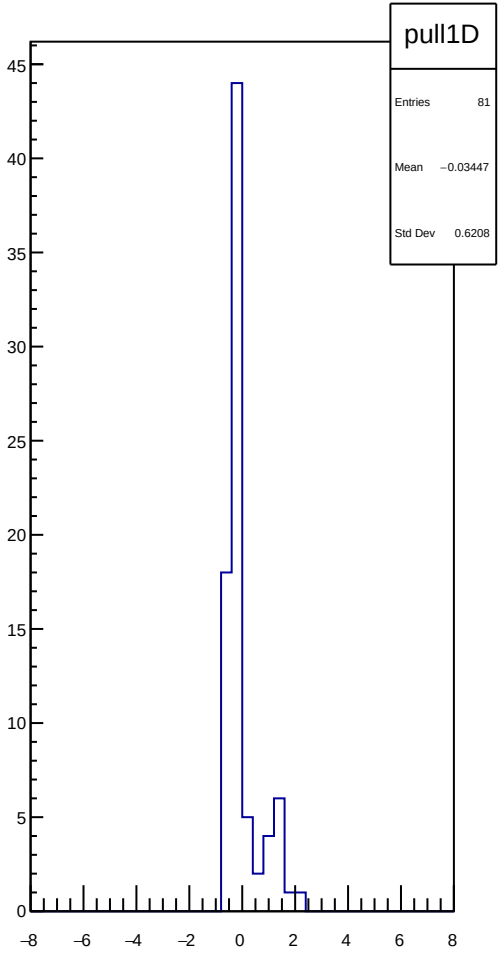

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 70.52 / 80
p0 −14.22 ± 1.26
pull
Entries 81
Mean 68.68
Std Dev 62.06

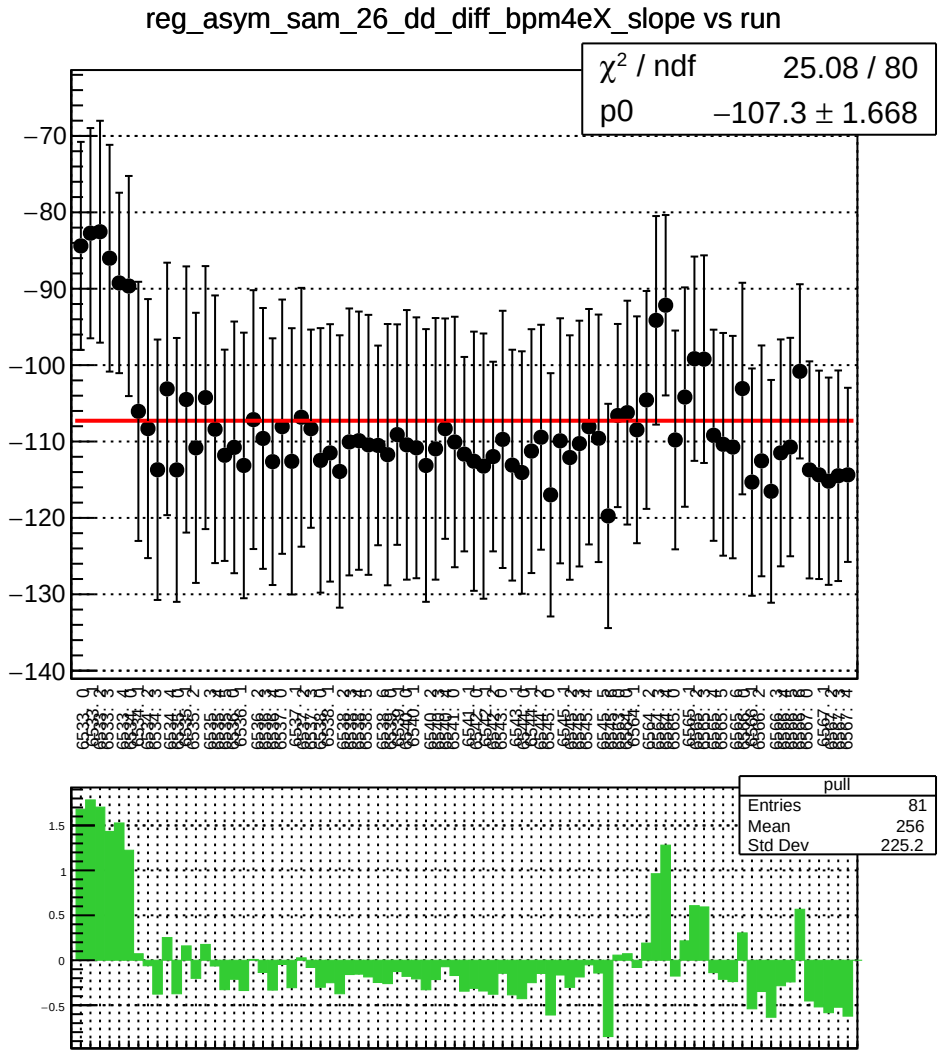

pull1D
Entries 81
Mean 0.05406
Std Dev 0.9315

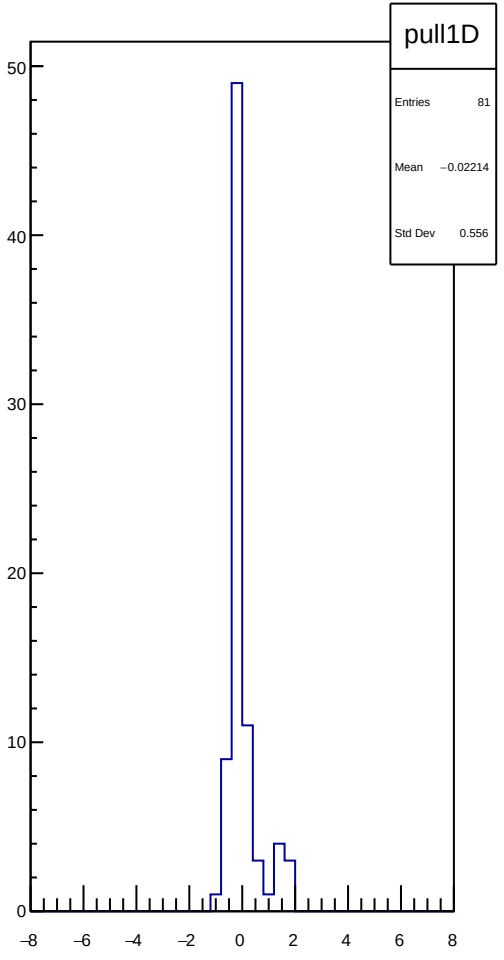

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.087 / 80
p0 0.6555 ± 0.02755
pull
Entries 81
Mean −58.28
Std Dev 157.7
pull1D
Entries 81
Mean 0.004559
Std Dev 0.2958

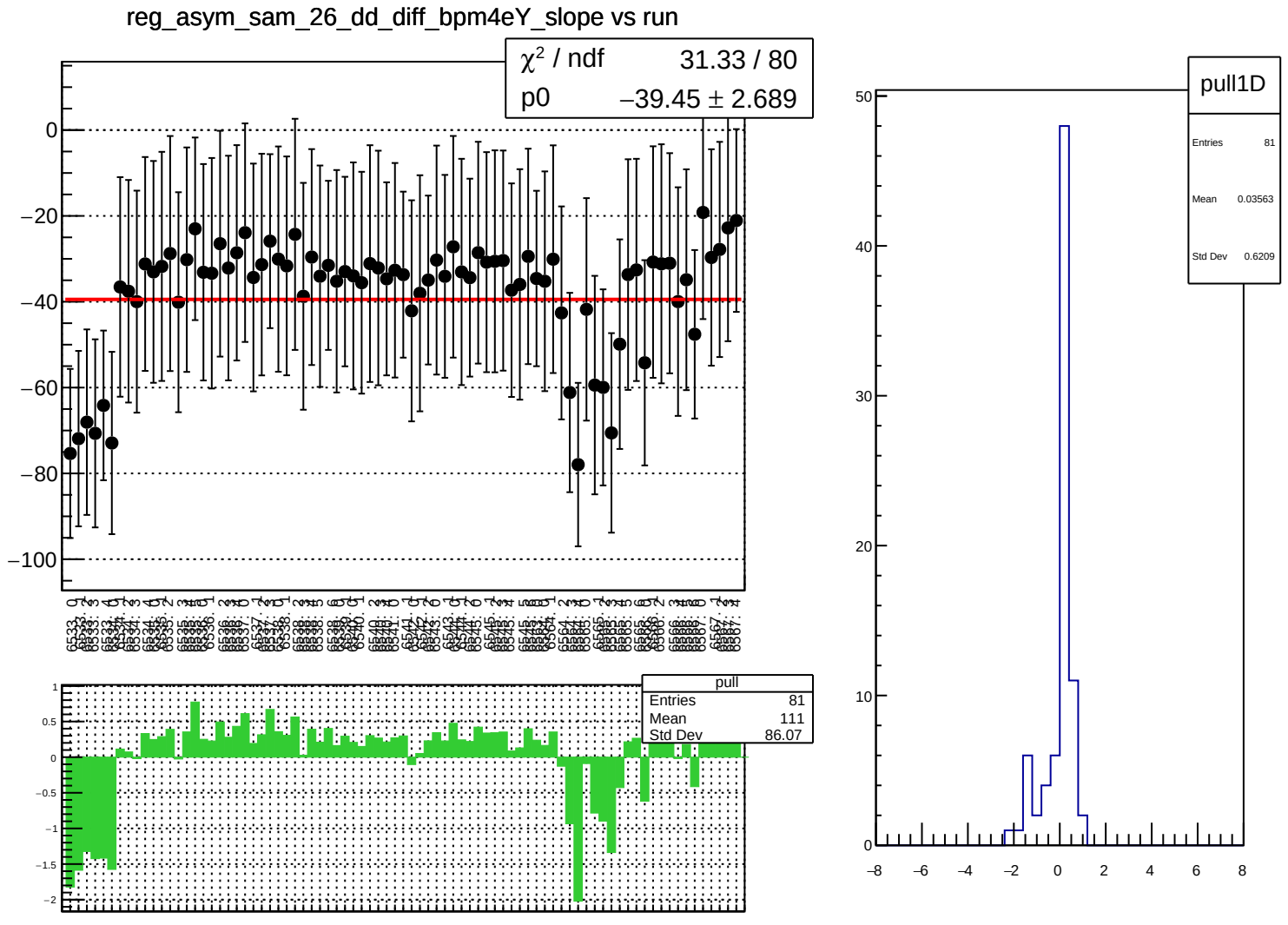

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 28 / 80
p0 −27.1 ± 1.541
pull
Entries 81
Mean 285.3
Std Dev 252.8
pull1D
Entries 81
Mean 0.02271
Std Dev 0.5875

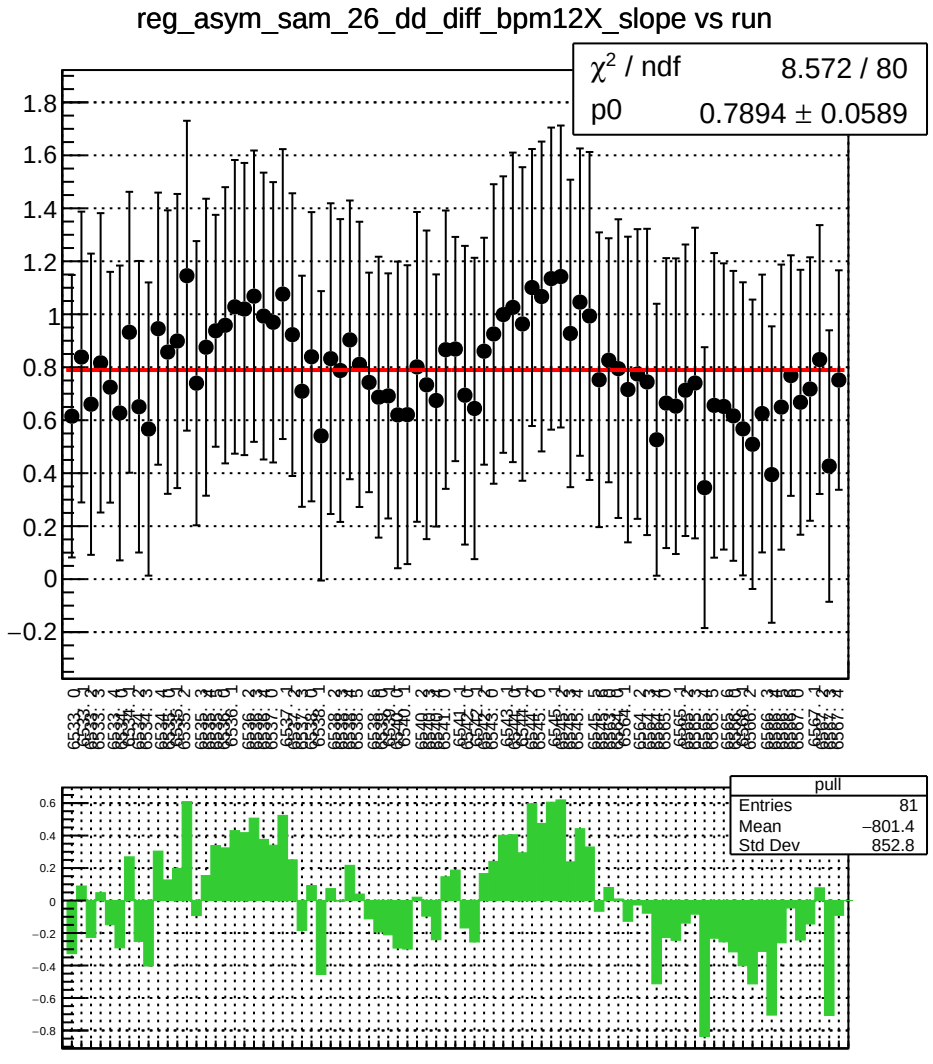

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.31 / 80
p0 −117.2 ± 2.792
pull
Entries 81
Mean 64.35
Std Dev 60.34

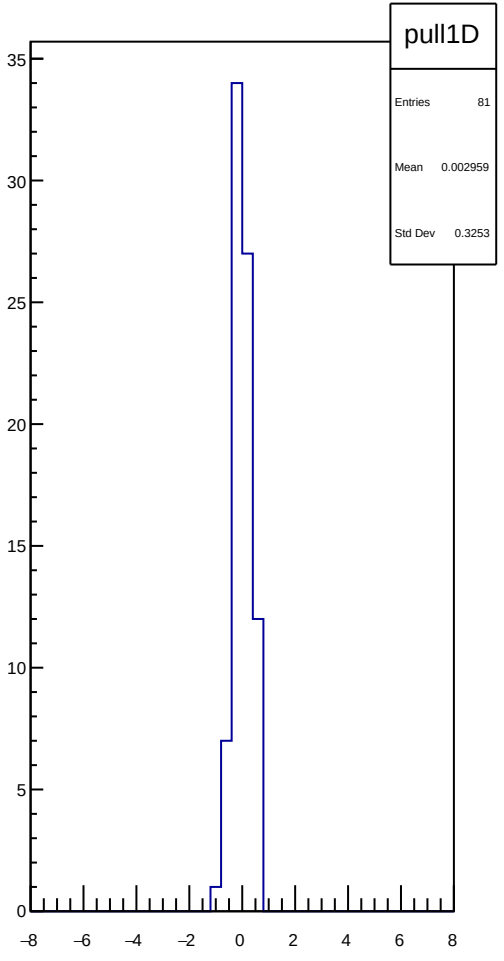

pull1D
Entries 81
Mean −0.03447
Std Dev 0.6208

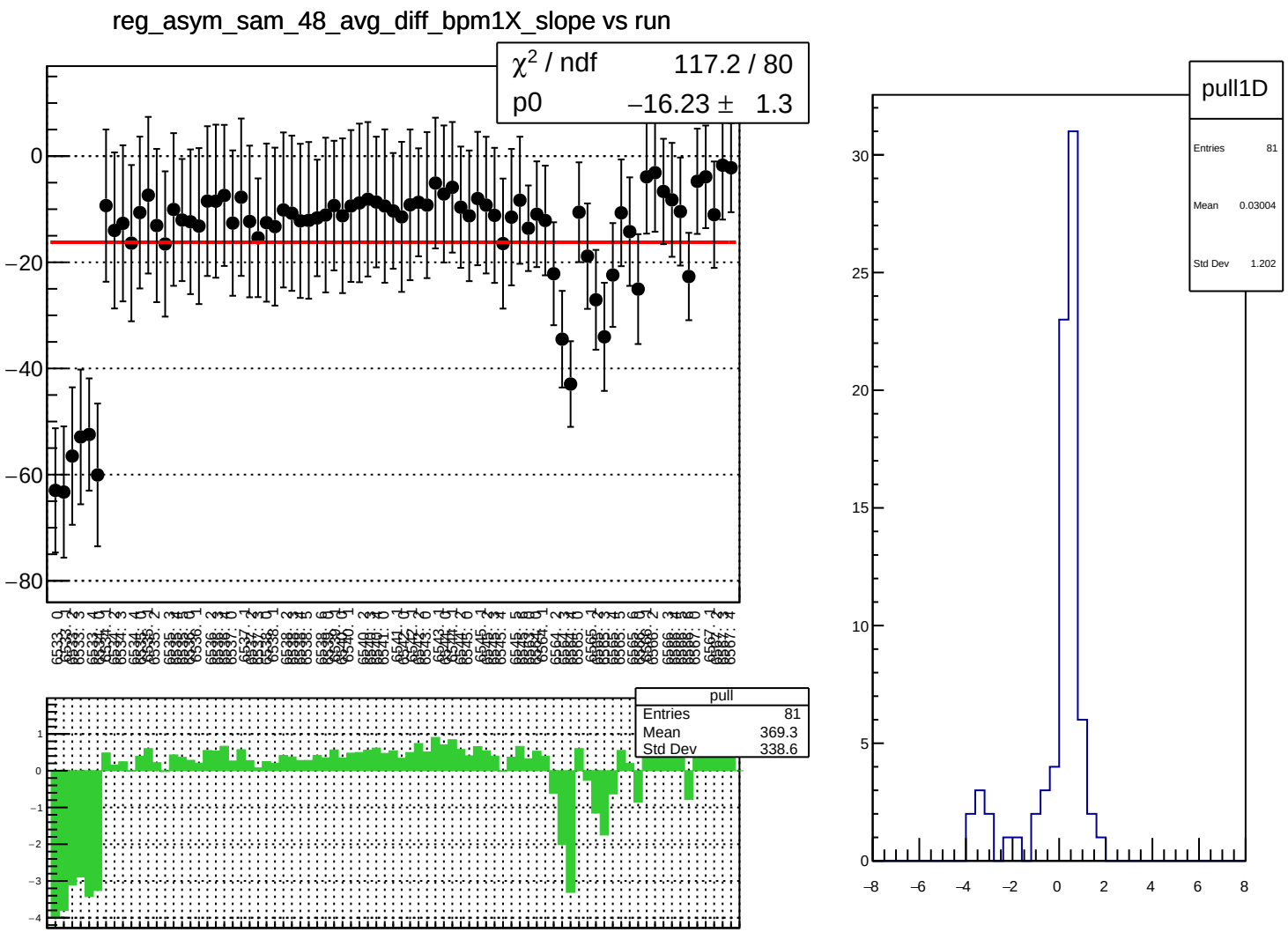

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.08 / 80
p0 −107.3 ± 1.668
pull
Entries 81
Mean 256
Std Dev 225.2

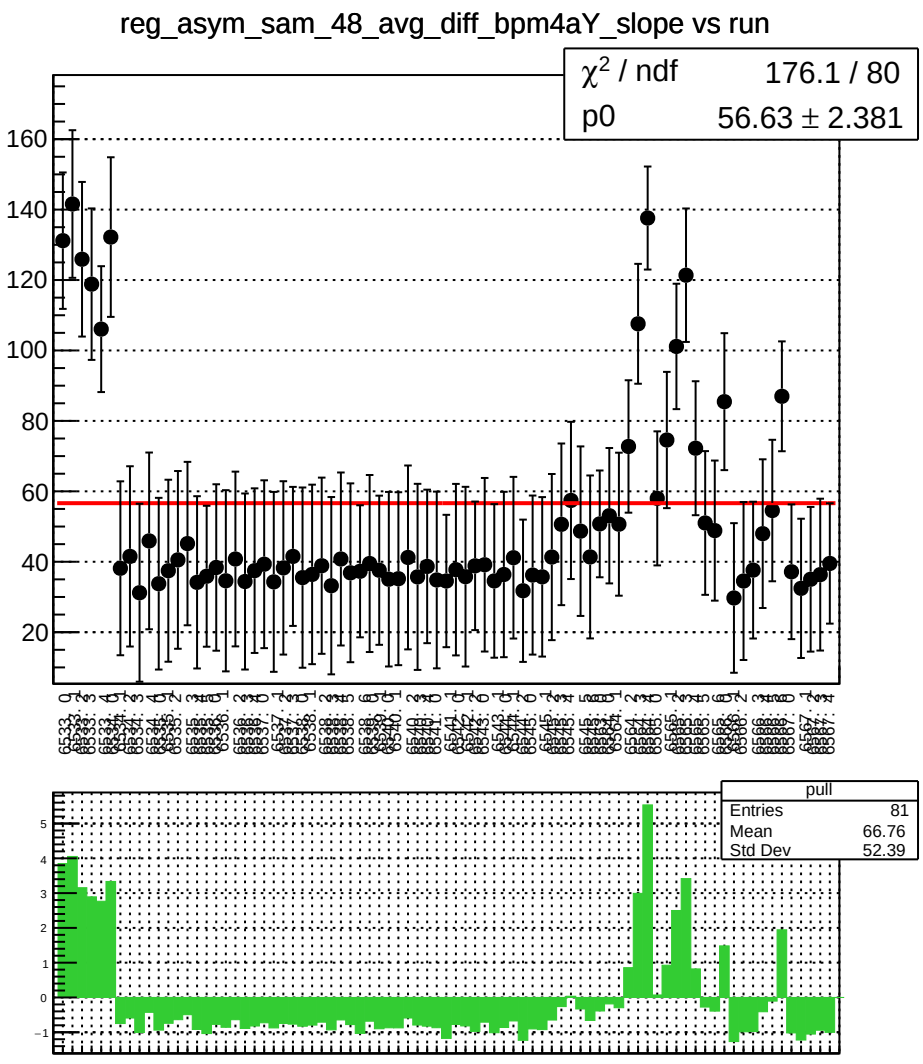

pull1D
Entries 81
Mean −0.02214
Std Dev 0.556

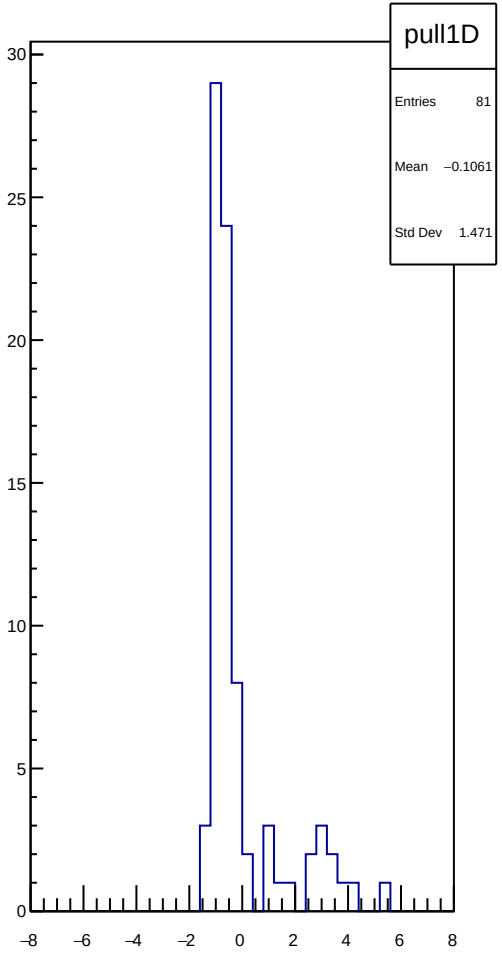

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.33 / 80
p0 −39.45 ± 2.689
pull
Entries 81
Mean 111
Std Dev 86.07
pull1D
Entries 81
Mean 0.03563
Std Dev 0.6209

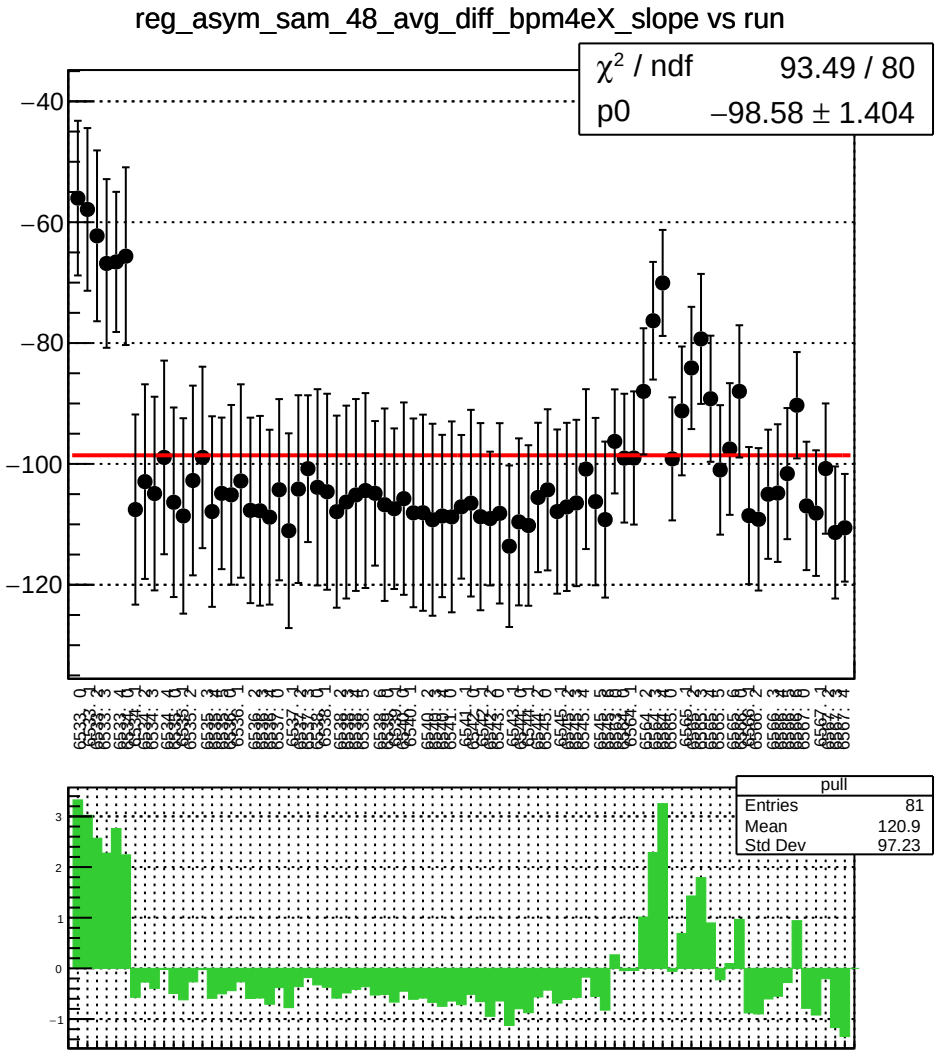

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.572 / 80
p0 0.7894 ± 0.0589
pull
Entries 81
Mean −801.4
Std Dev 852.8

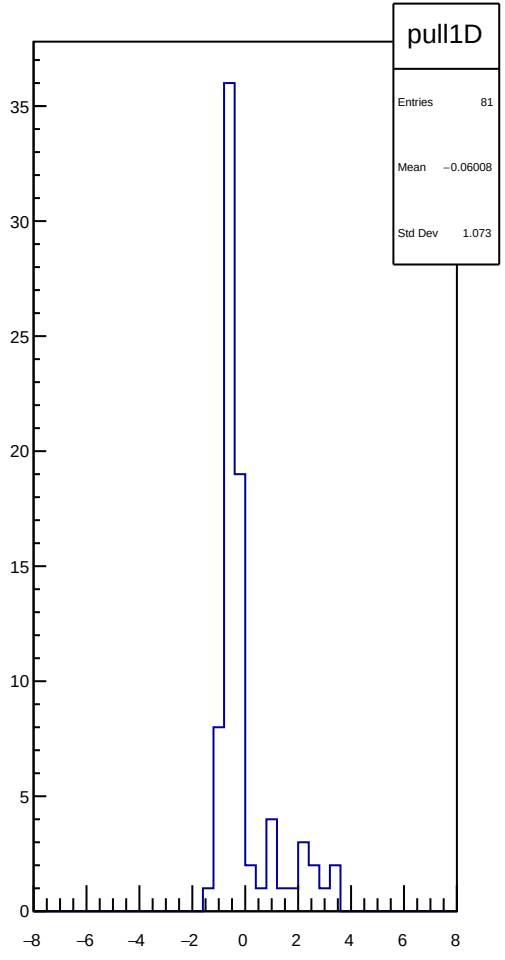

pull1D
Entries 81
Mean 0.002959
Std Dev 0.3253

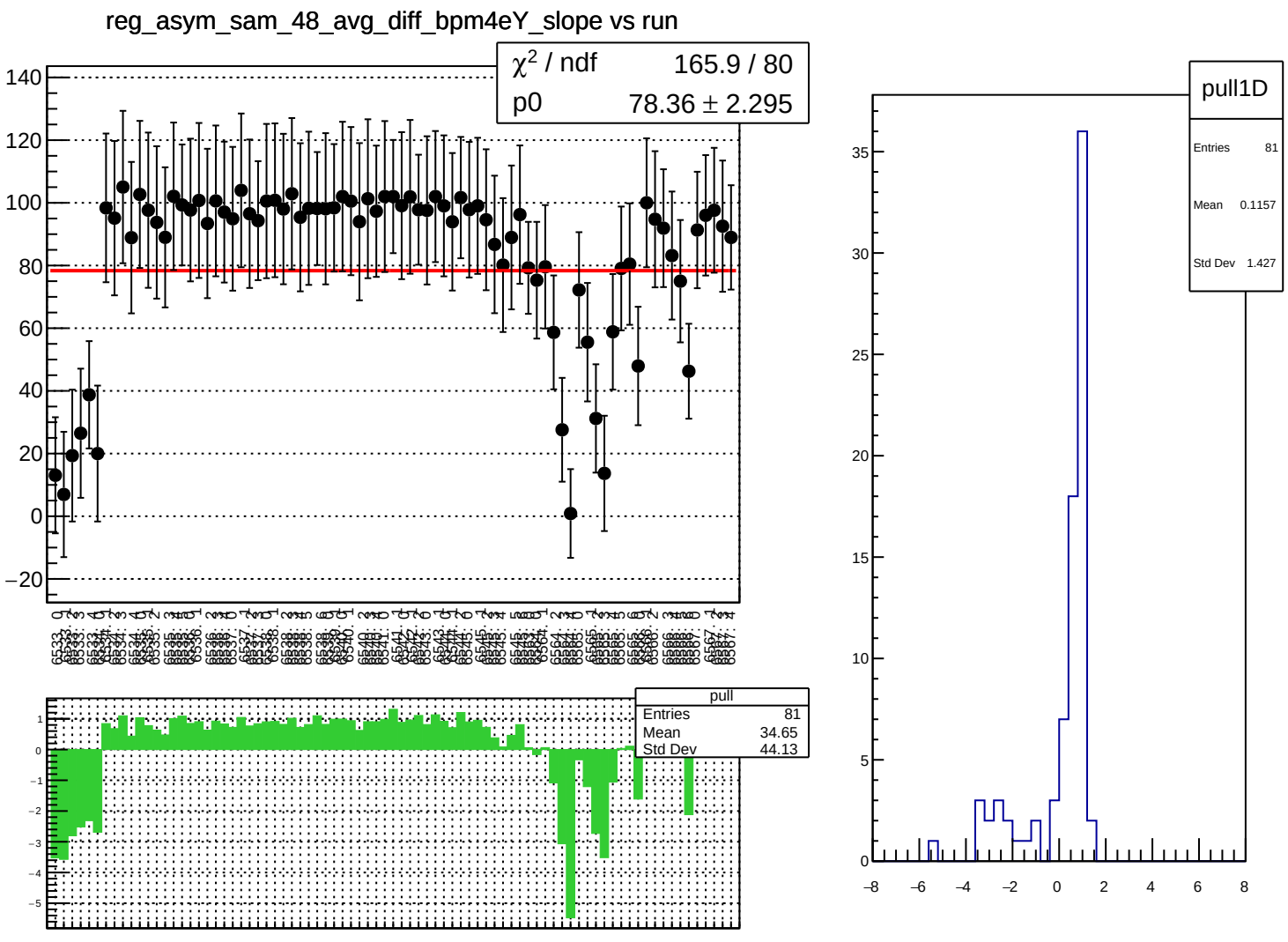

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 117.2 / 80
p0 −16.23 ± 1.3
0
−20
−40
−60
−80
pull
Entries 81
Mean 369.3
Std Dev 338.6
1
0
−1
−2
−3
−4
pull1D
Entries 81
Mean 0.03004
Std Dev 1.202
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

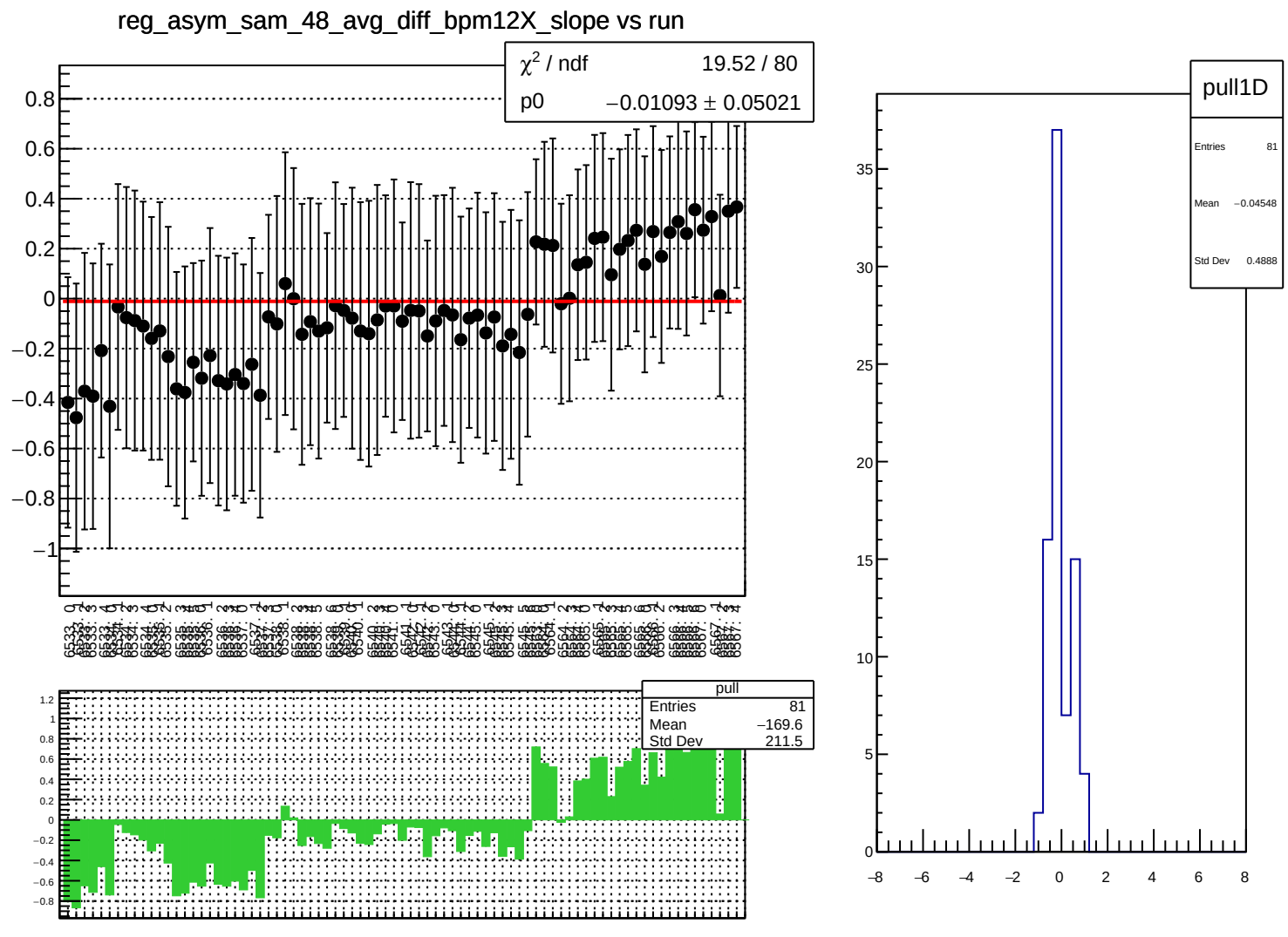

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 176.1 / 80
p0 56.63 ± 2.381
pull
Entries 81
Mean 66.76
Std Dev 52.39

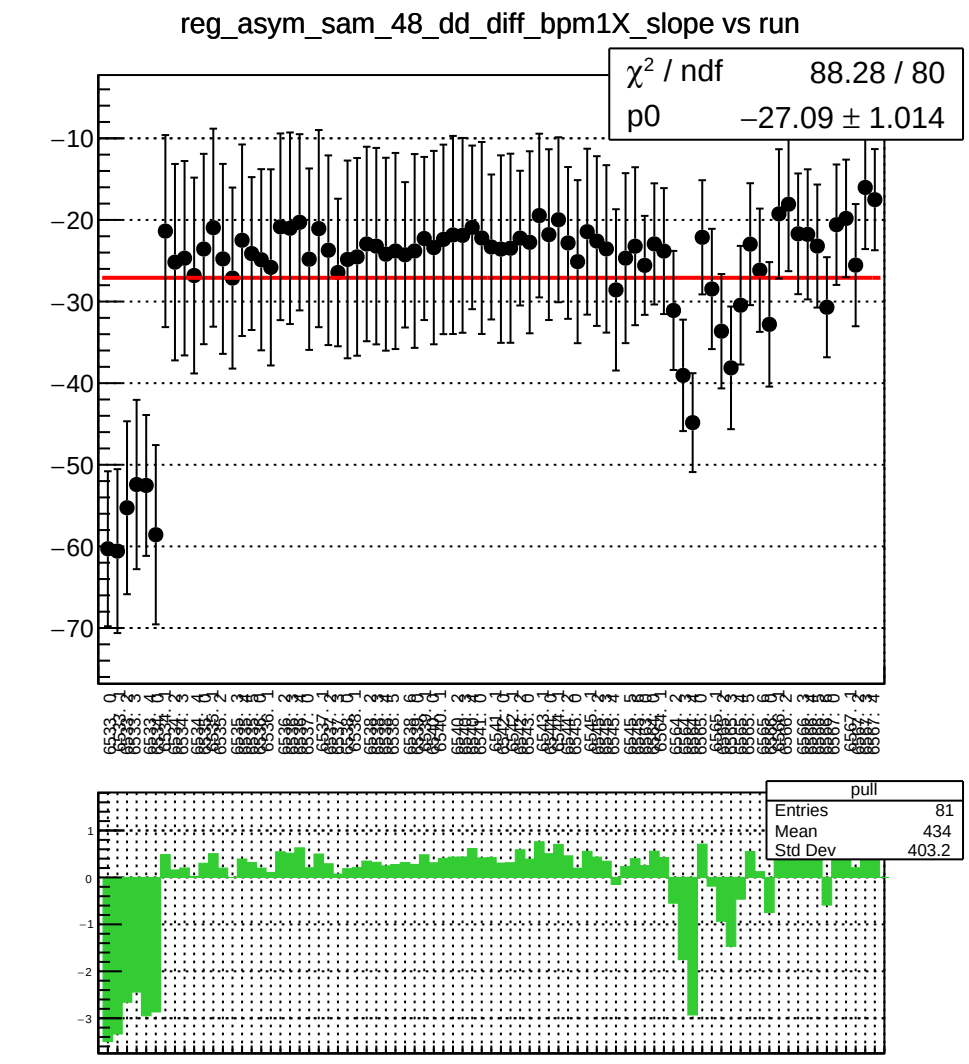

pull1D
Entries 81
Mean −0.1061
Std Dev 1.471

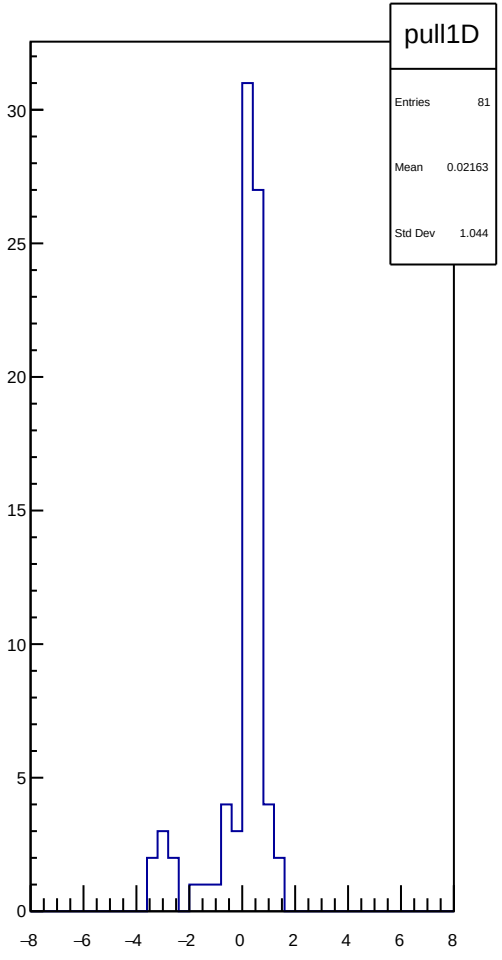

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 93.49 / 80
p0 −98.58 ± 1.404
−40
−60
−80
−100
−120
pull
Entries 81
Mean 120.9
Std Dev 97.23
3
2
1
0
−1

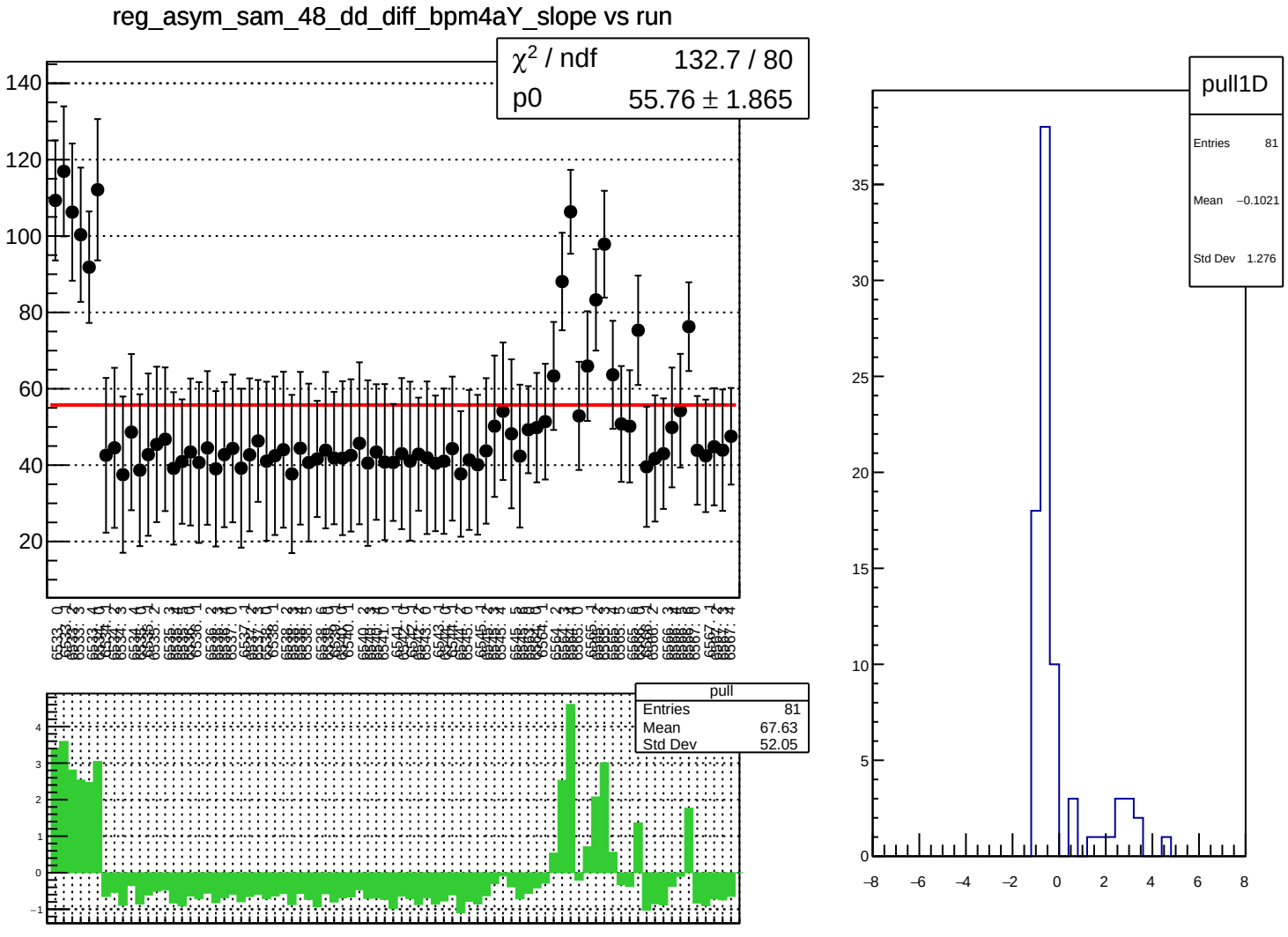

pull1D
Entries 81
Mean −0.06008
Std Dev 1.073
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

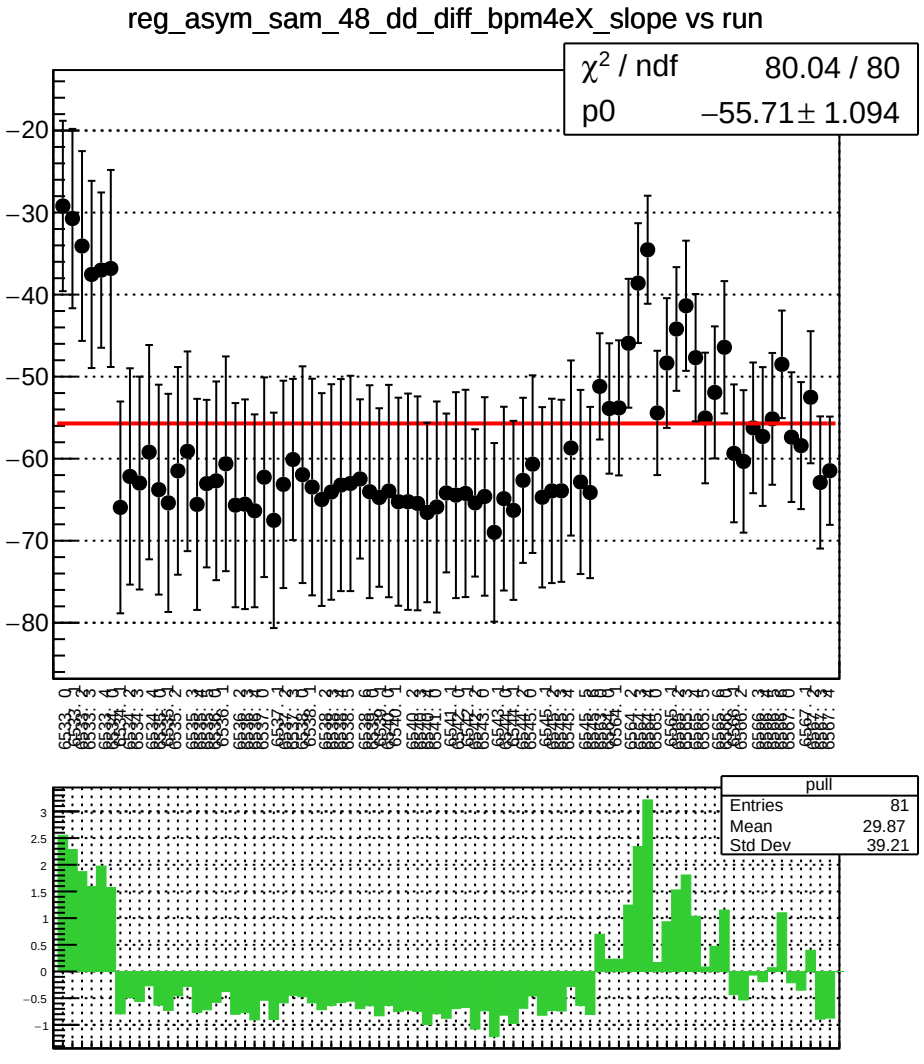

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 165.9 / 80
p0 78.36 ± 2.295
pull
Entries 81
Mean 34.65
Std Dev 44.13
pull1D
Entries 81
Mean 0.1157
Std Dev 1.427

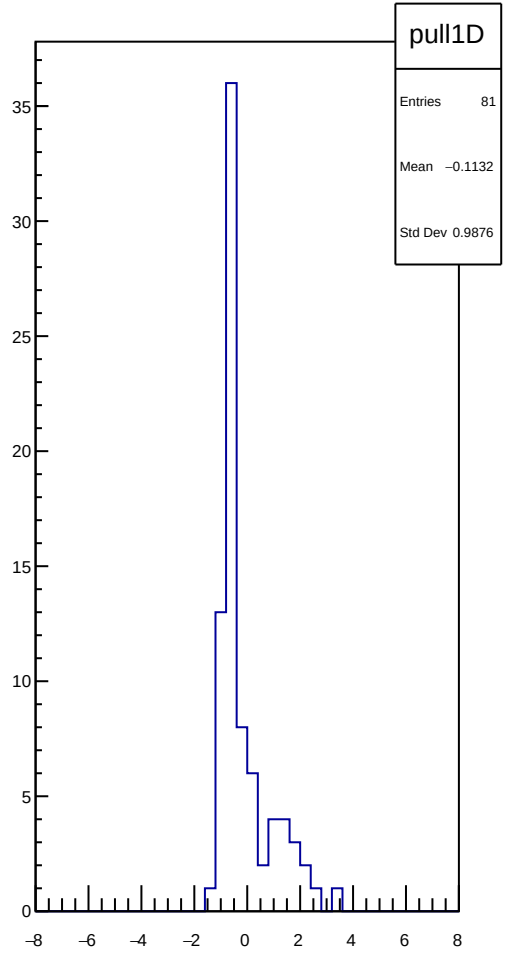

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 19.52 / 80
p0 −0.01093 ± 0.05021
pull
Entries 81
Mean −169.6
Std Dev 211.5
pull1D
Entries 81
Mean −0.04548
Std Dev 0.4888

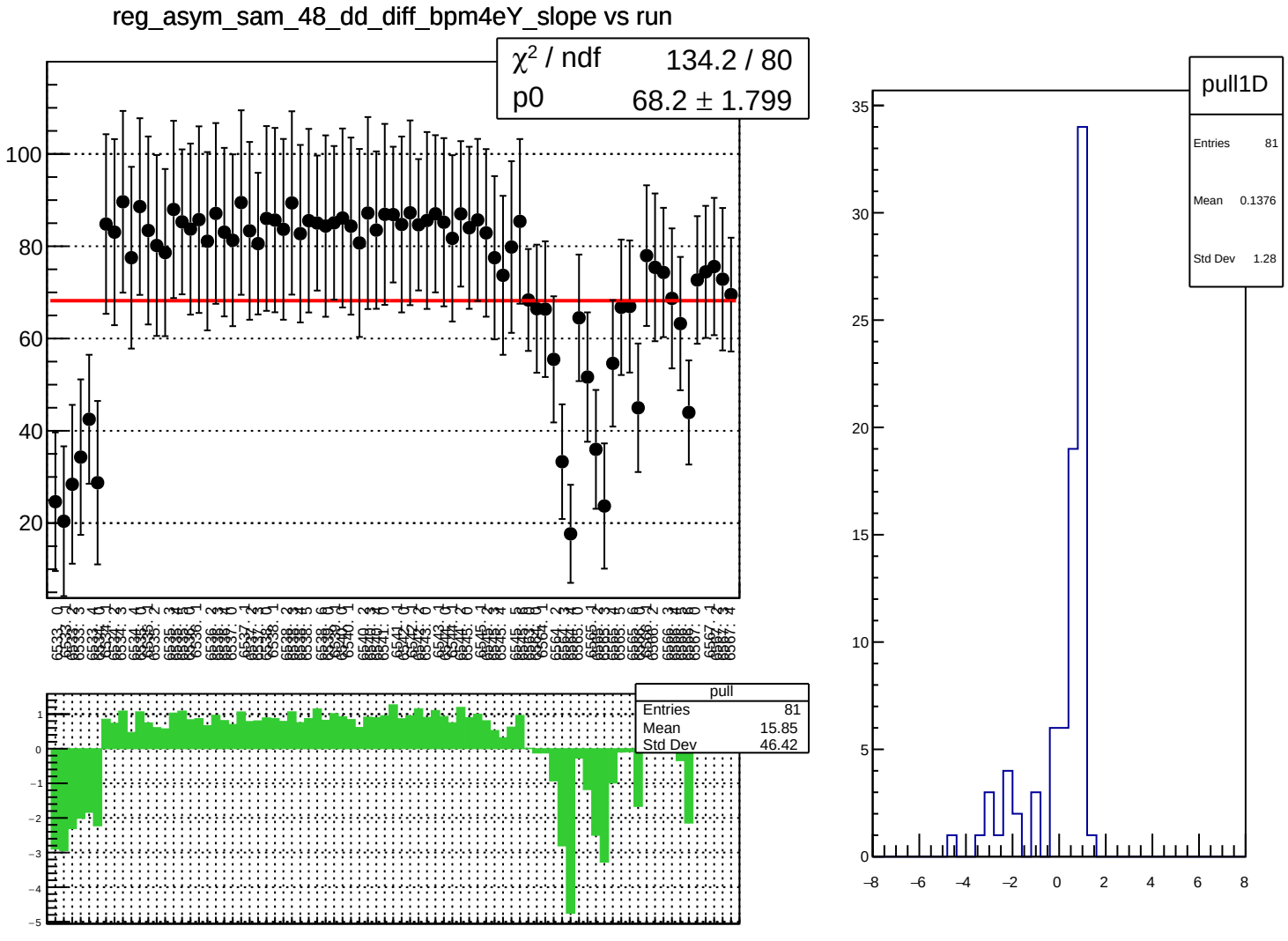

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 88.28 / 80
p0 −27.09 ± 1.014
pull
Entries 81
Mean 434
Std Dev 403.2

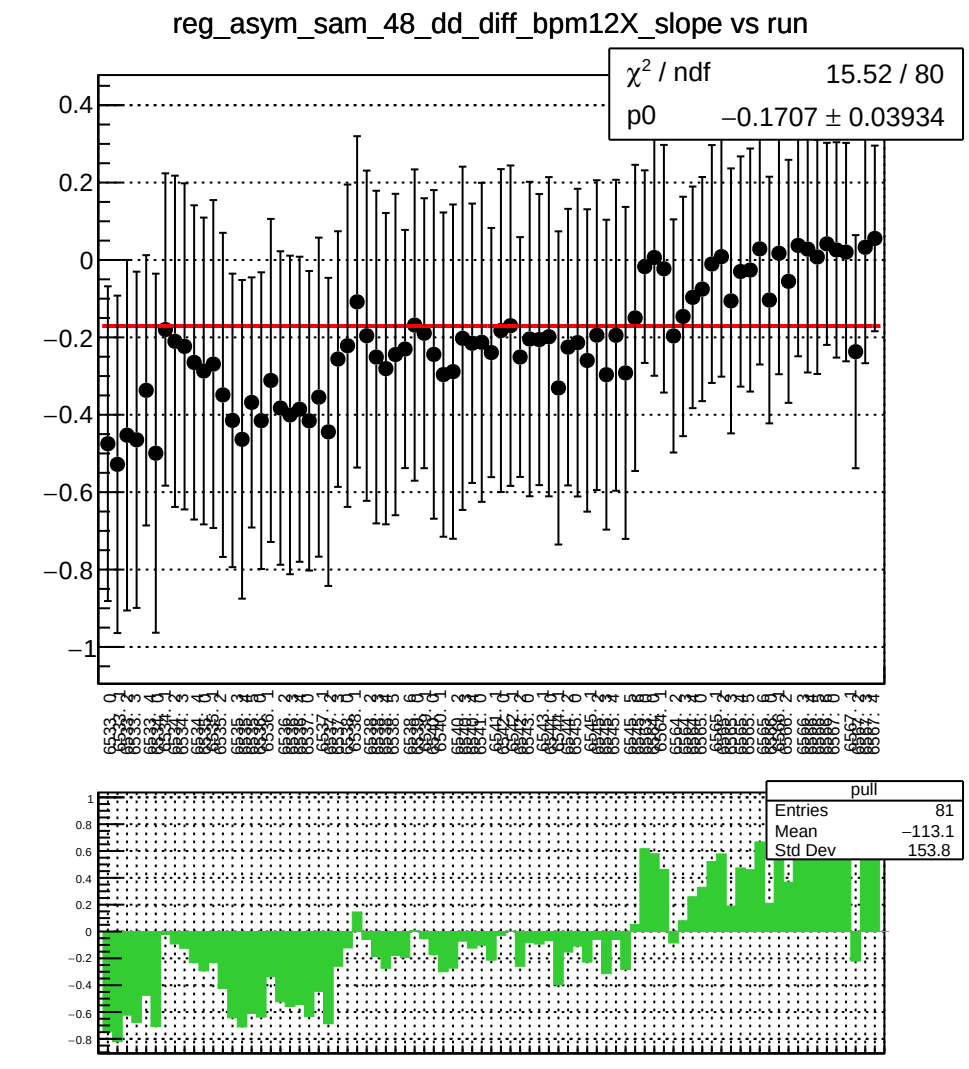

pull1D
Entries 81
Mean 0.02163
Std Dev 1.044

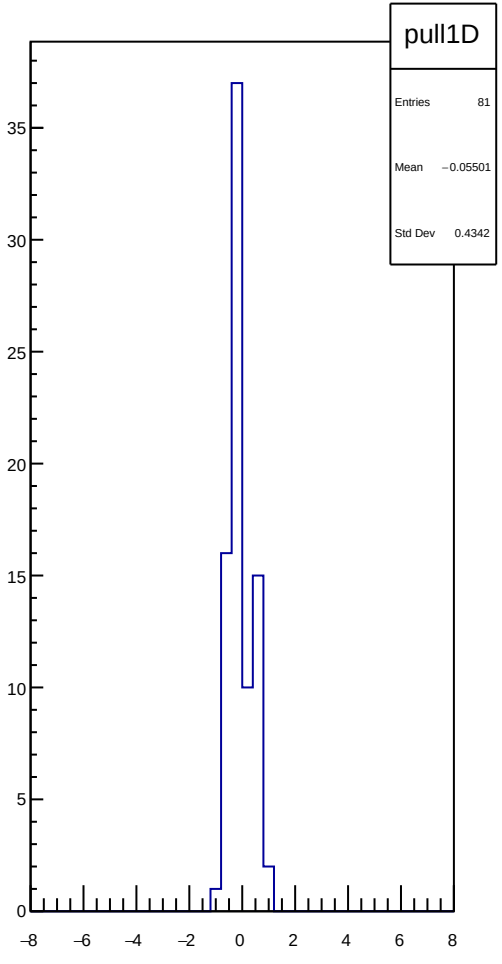

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 132.7 / 80
p0 55.76 ± 1.865
pull
Entries 81
Mean 67.63
Std Dev 52.05
pull1D
Entries 81
Mean −0.1021
Std Dev 1.276

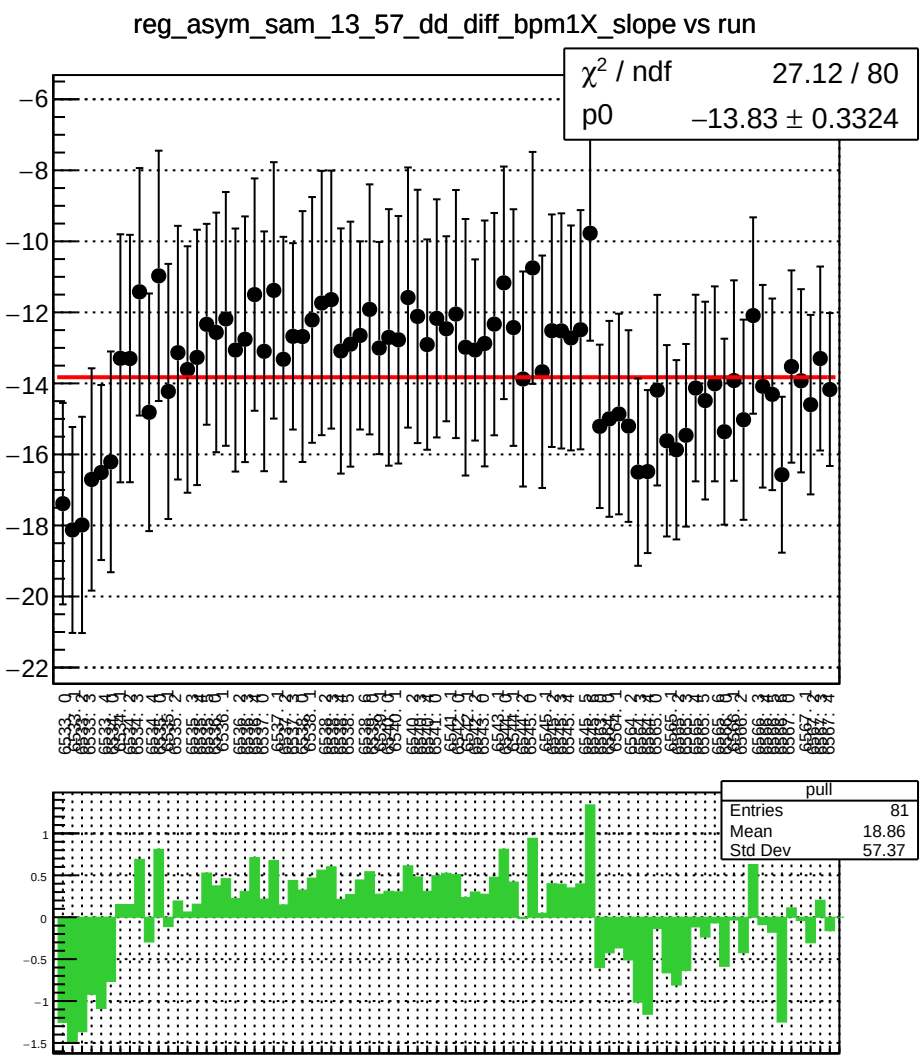

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.04 / 80
p0 −55.71± 1.094
pull
Entries 81
Mean 29.87
Std Dev 39.21

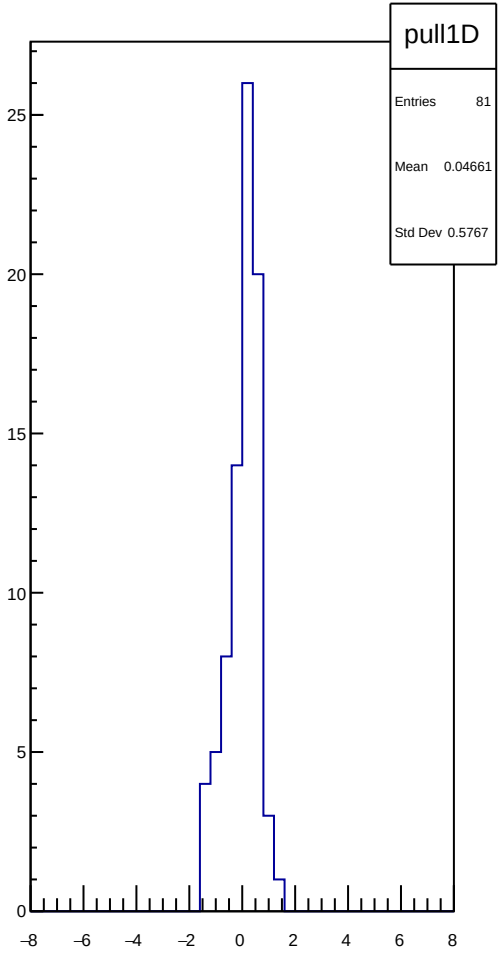

pull1D
Entries 81
Mean −0.1132
Std Dev 0.9876

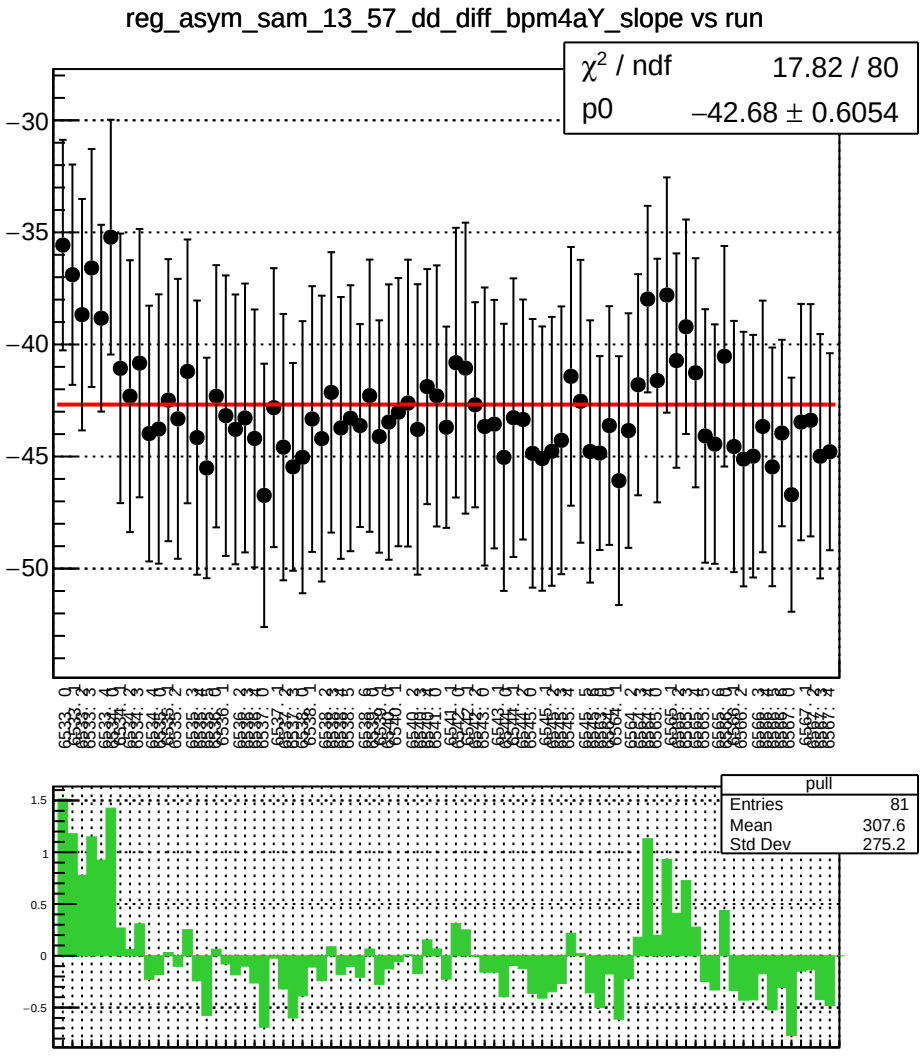

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 134.2 / 80
p0 68.2 ± 1.799
pull
Entries 81
Mean 15.85
Std Dev 46.42
pull1D
Entries 81
Mean 0.1376
Std Dev 1.28

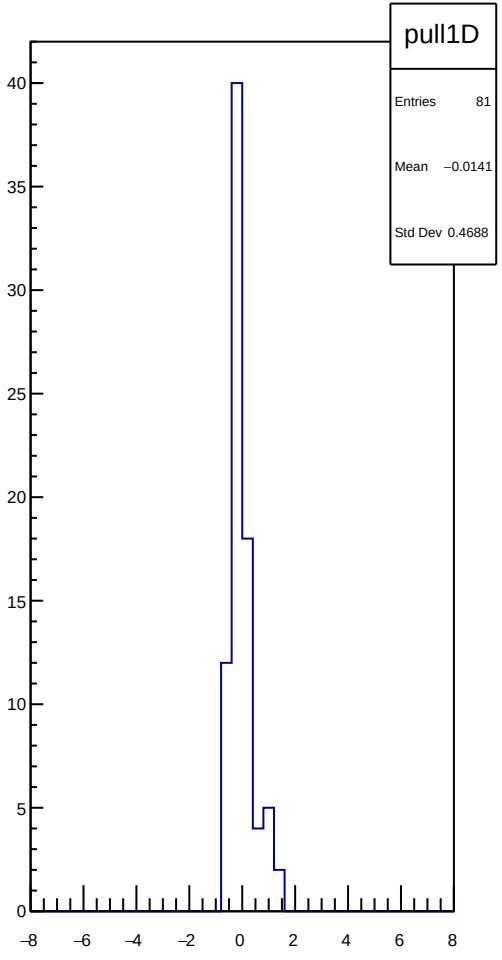

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.52 / 80
p0 −0.1707 ± 0.03934
pull
Entries 81
Mean −113.1
Std Dev 153.8

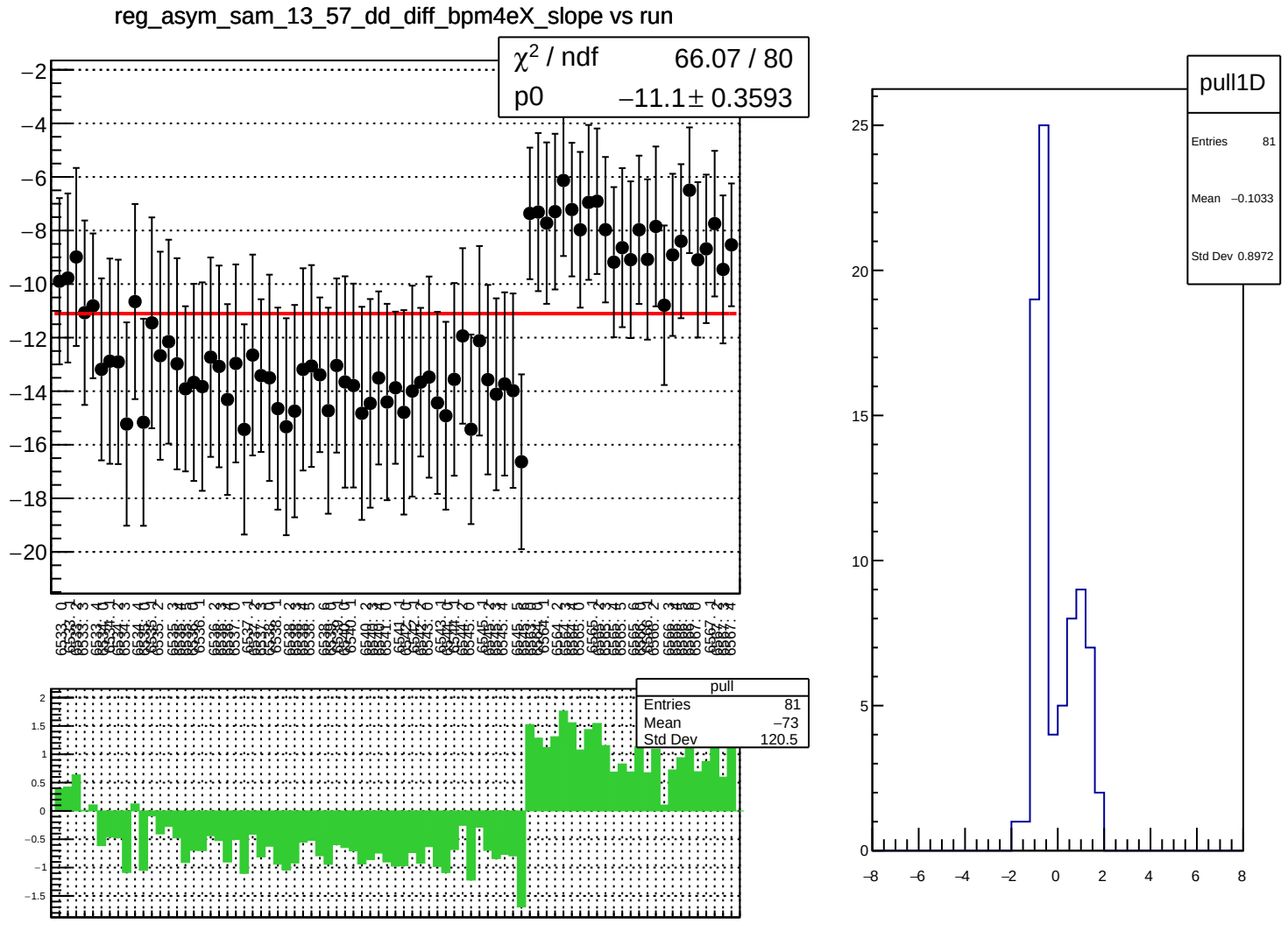

pull1D
Entries 81
Mean −0.05501
Std Dev 0.4342

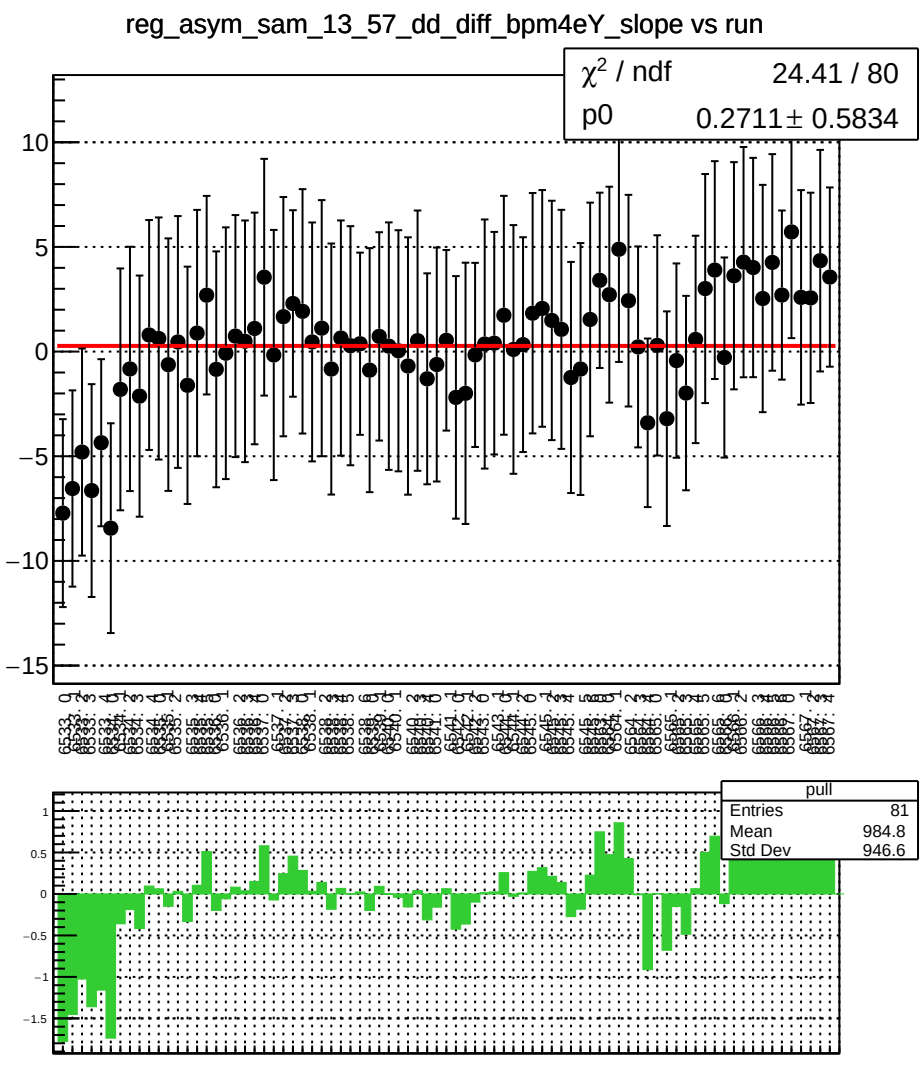

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 27.12 / 80
p0 −13.83 ± 0.3324
pull
Entries 81
Mean 18.86
Std Dev 57.37

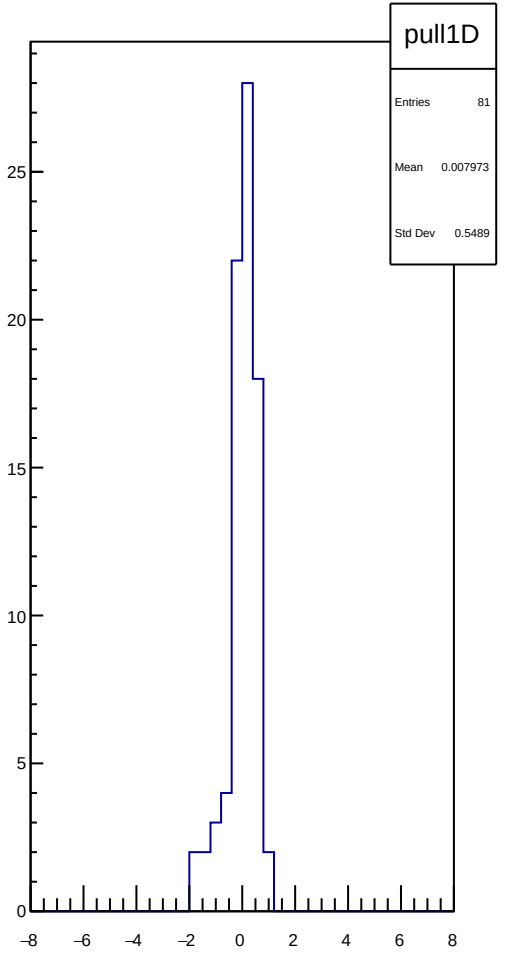

pull1D
Entries 81
Mean 0.04661
Std Dev 0.5767

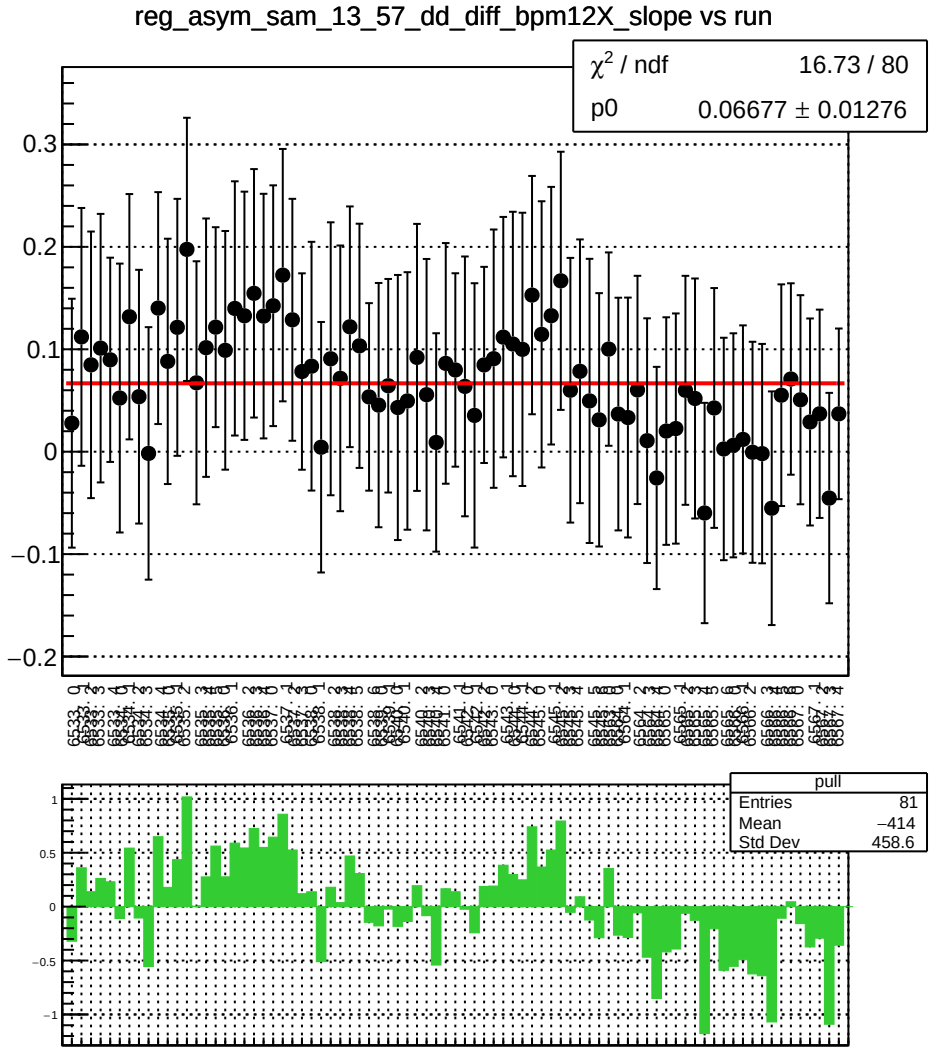

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.82 / 80
p0 −42.68 ± 0.6054
pull
Entries 81
Mean 307.6
Std Dev 275.2

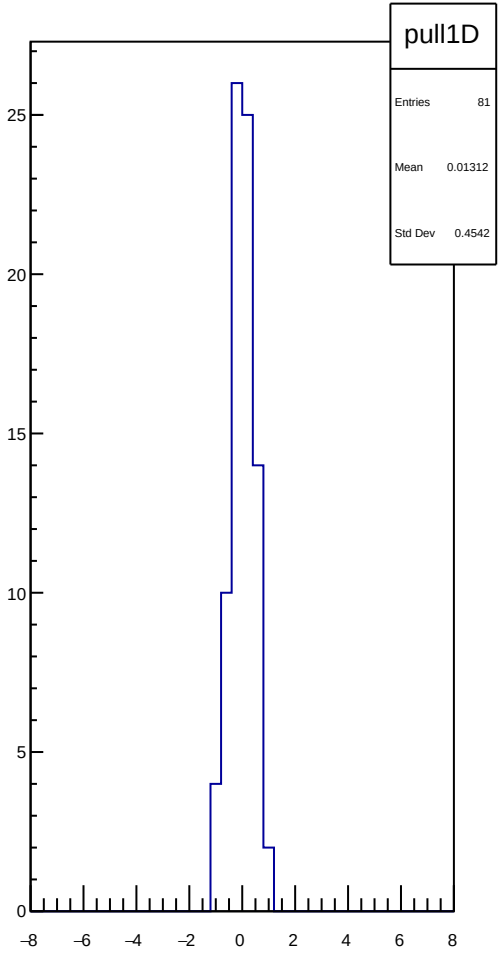

pull1D
Entries 81
Mean −0.0141
Std Dev 0.4688

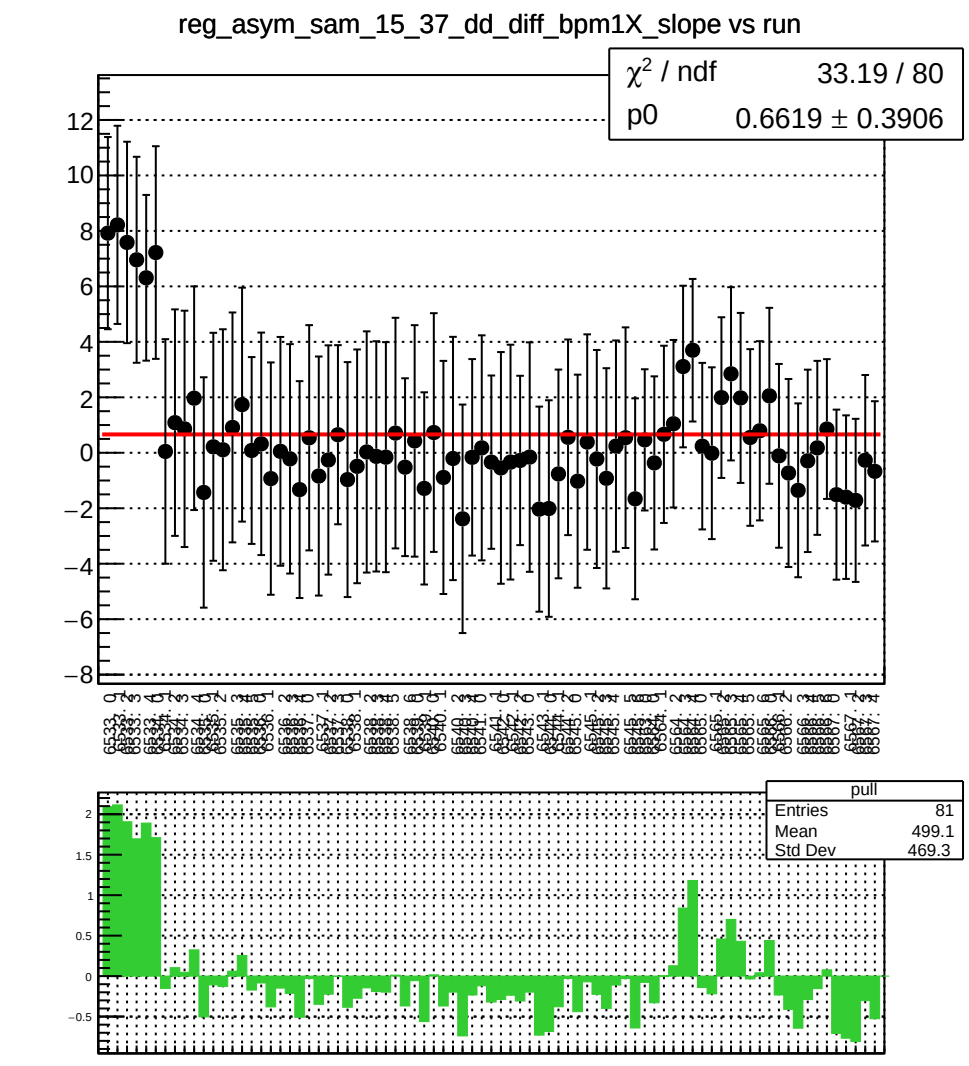

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.07 / 80
p0 −11.1 ± 0.3593
pull
Entries 81
Mean −73
Std Dev 120.5
pull1D
Entries 81
Mean −0.1033
Std Dev 0.8972

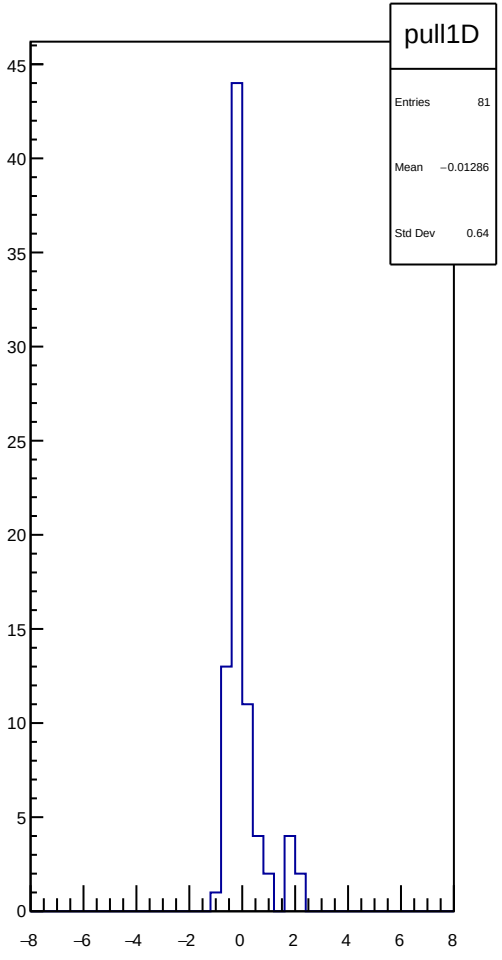

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.41 / 80
p0 0.2711 ± 0.5834
pull
Entries 81
Mean 984.8
Std Dev 946.6

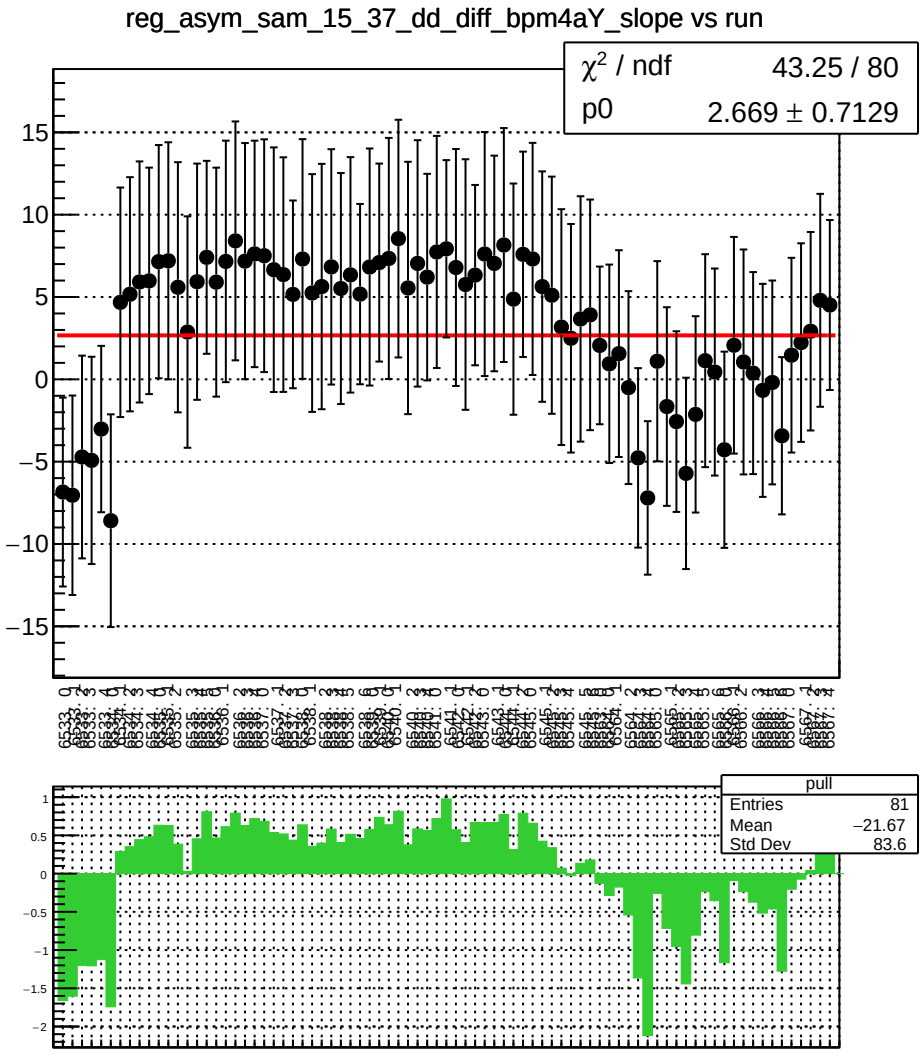

pull1D
Entries 81
Mean 0.007973
Std Dev 0.5489

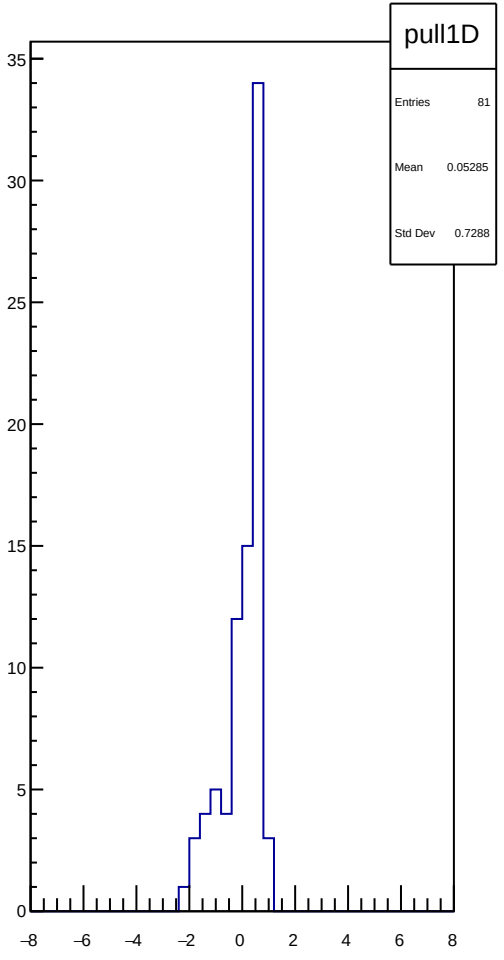

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 16.73 / 80
p0 0.06677 ± 0.01276
pull
Entries 81
Mean −414
Std Dev 458.6

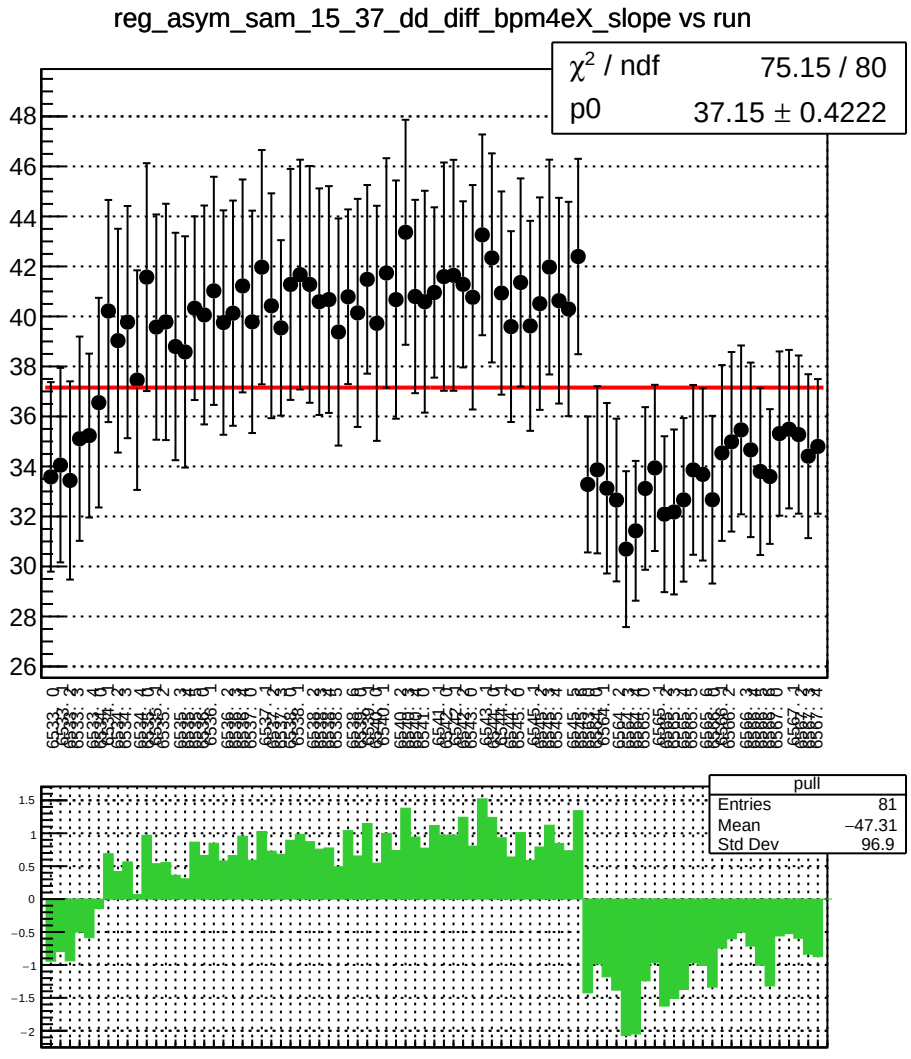

pull1D
Entries 81
Mean 0.01312
Std Dev 0.4542

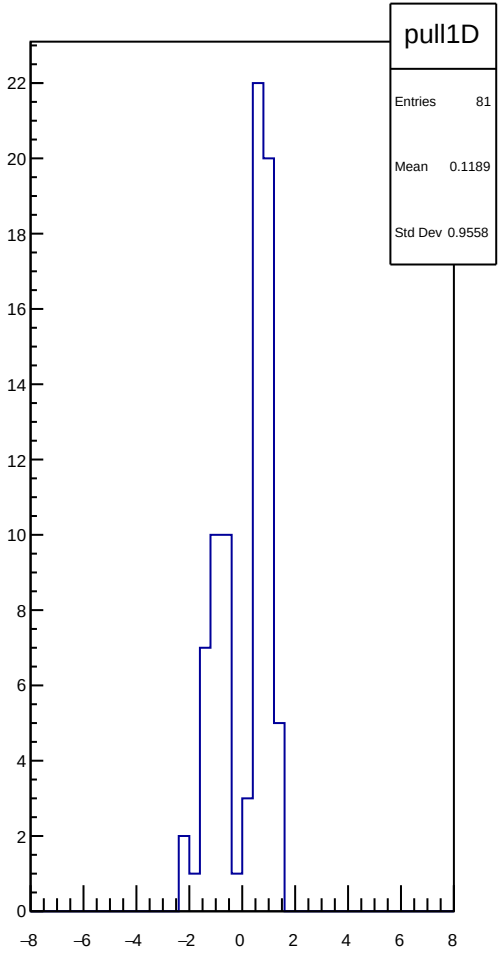

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 33.19 / 80
p0 0.6619 ± 0.3906
pull
Entries 81
Mean 499.1
Std Dev 469.3

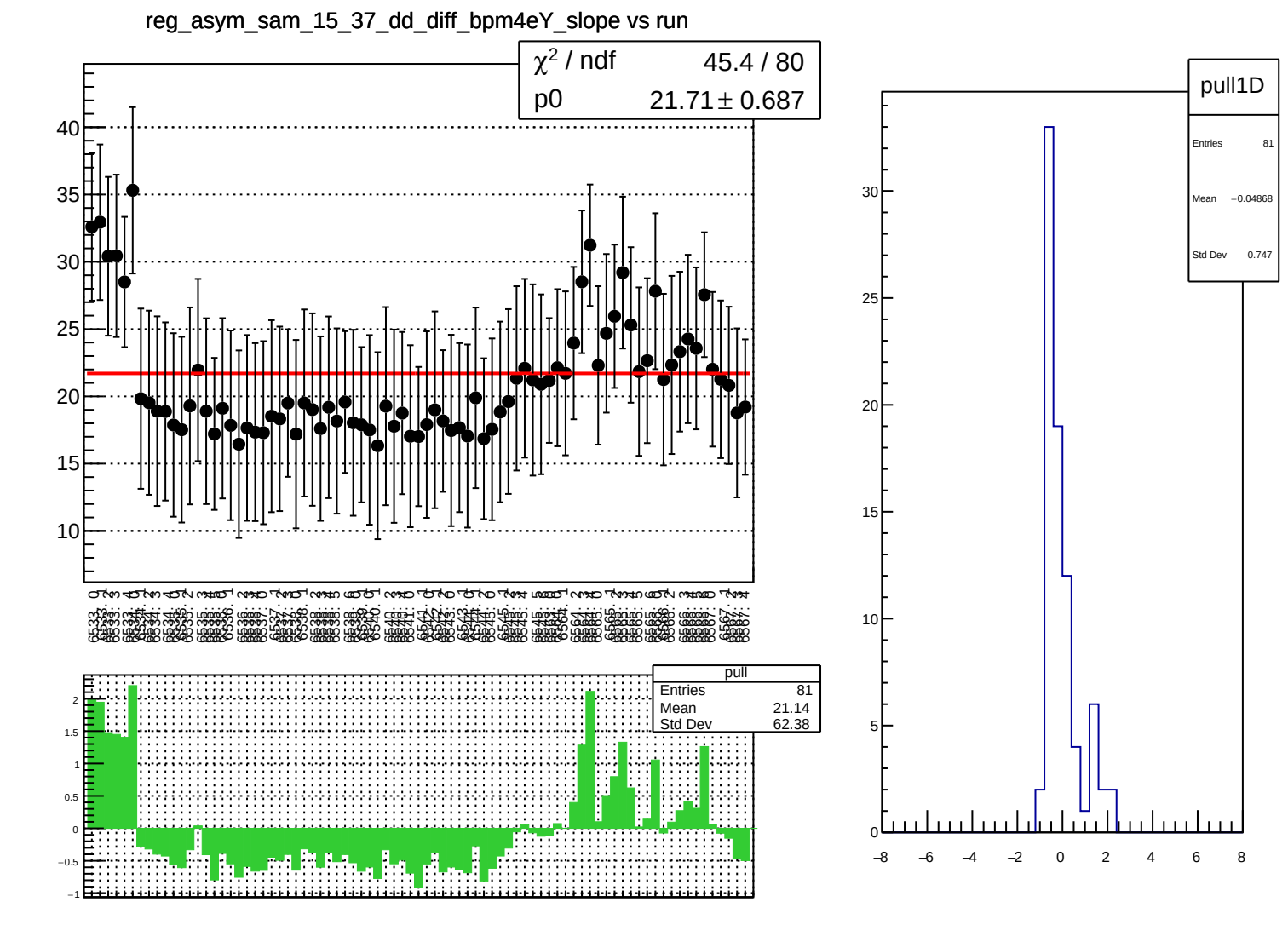

pull1D
Entries 81
Mean −0.01286
Std Dev 0.64

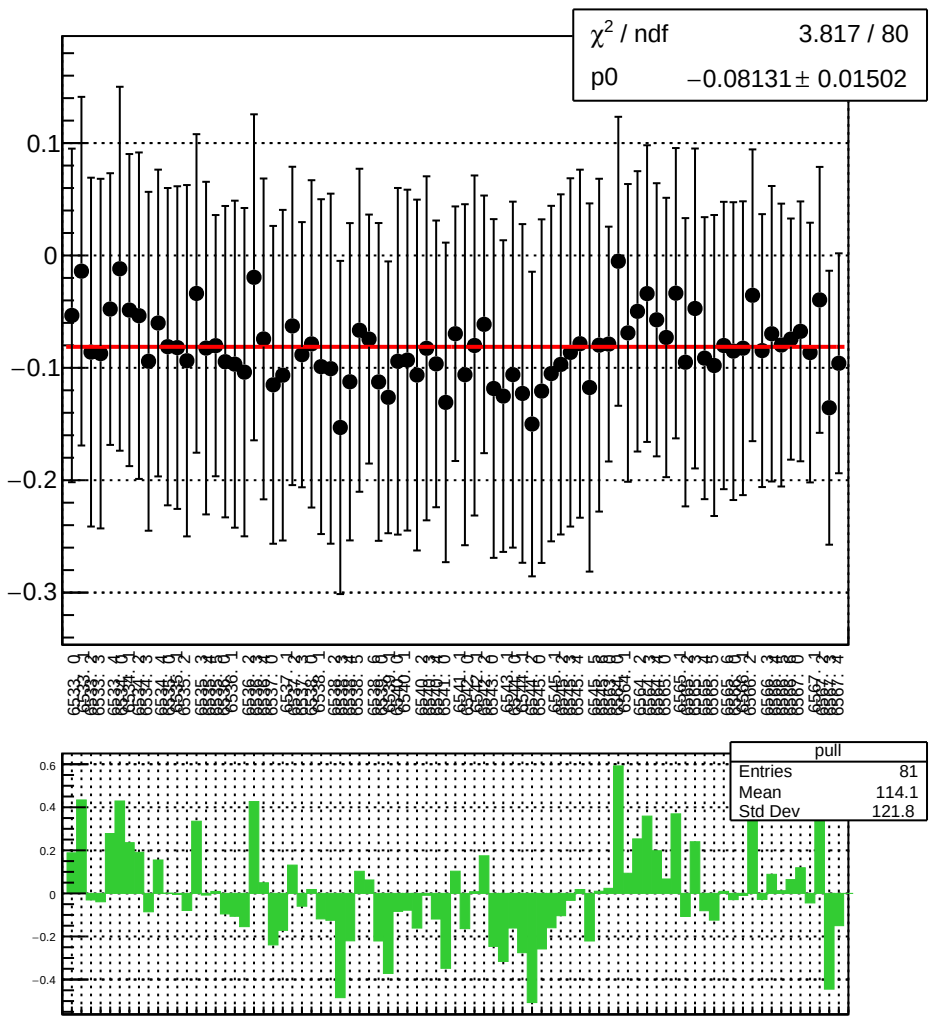

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.25 / 80
p0 2.669 ± 0.7129
pull
Entries 81
Mean −21.67
Std Dev 83.6

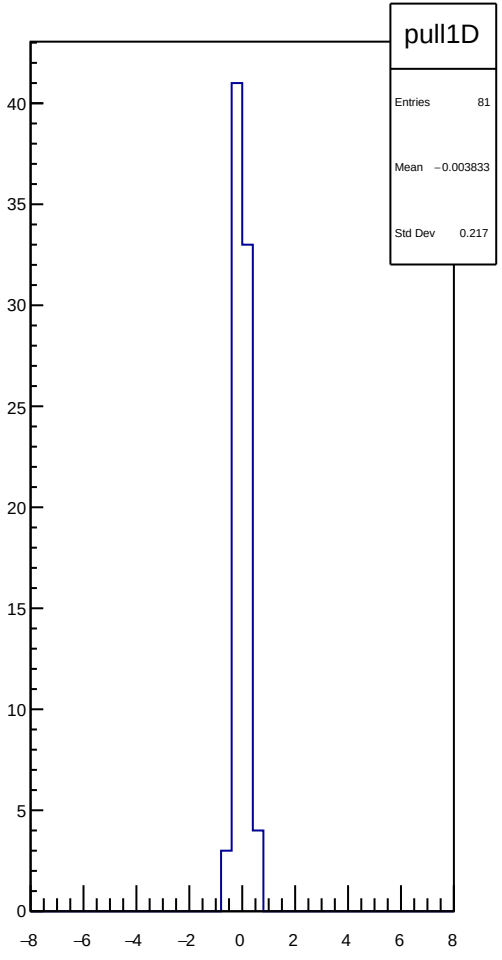

pull1D
Entries 81
Mean 0.05285
Std Dev 0.7288

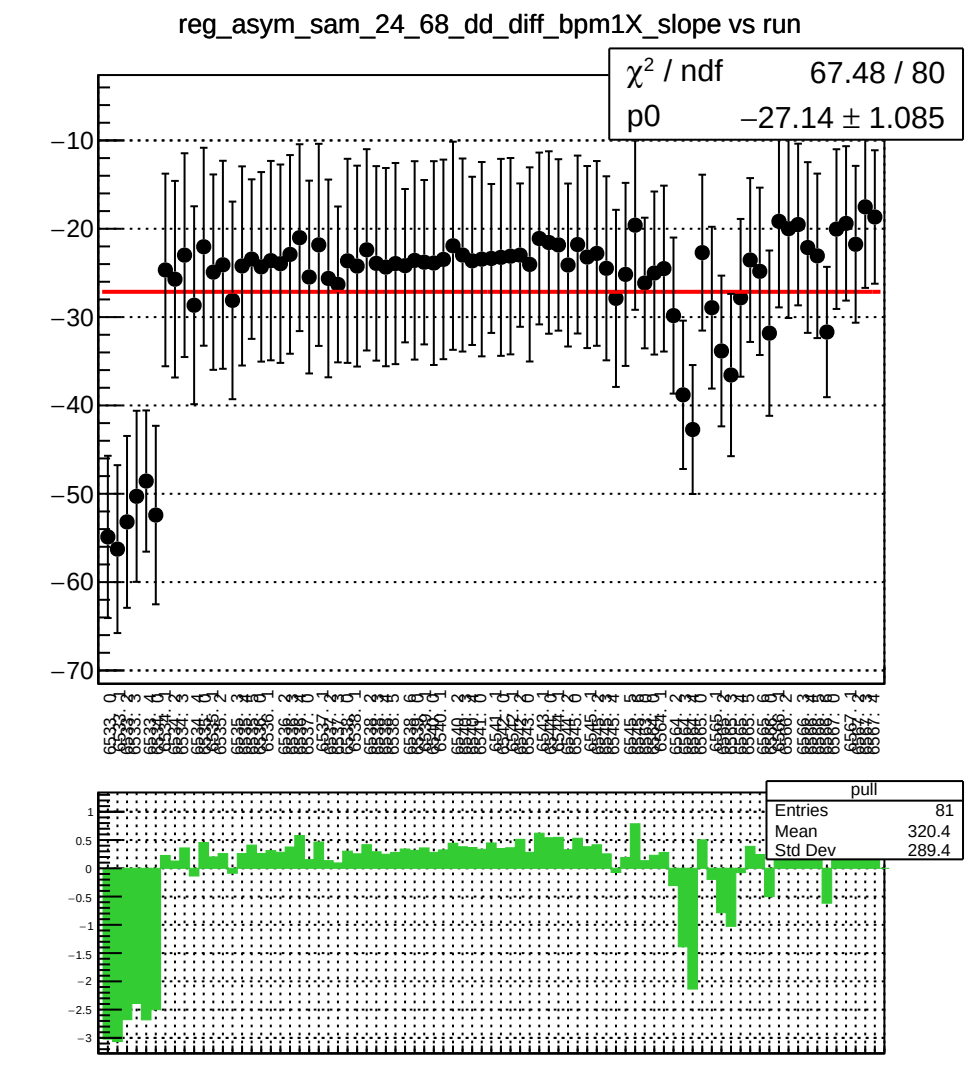

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.15 / 80
p0 37.15 ± 0.4222
pull
Entries 81
Mean −47.31
Std Dev 96.9

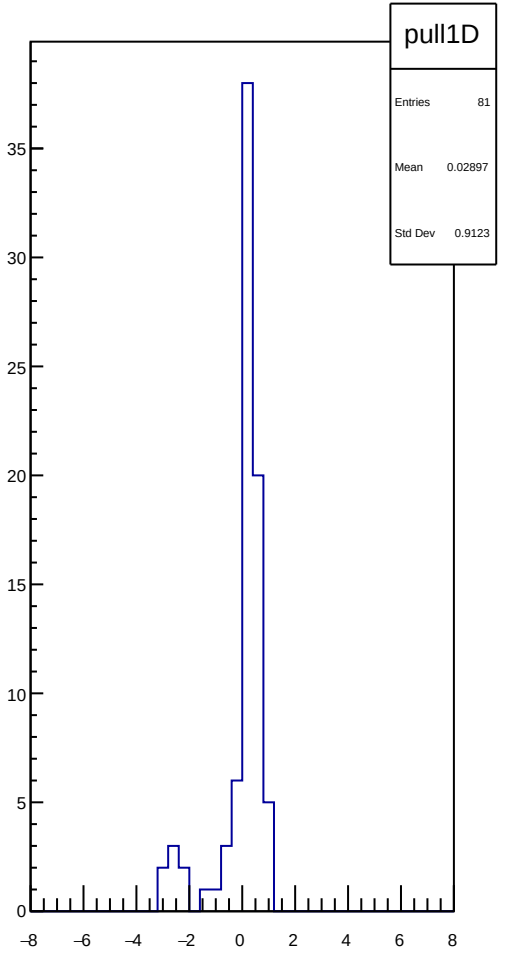

pull1D
Entries 81
Mean 0.1189
Std Dev 0.9558

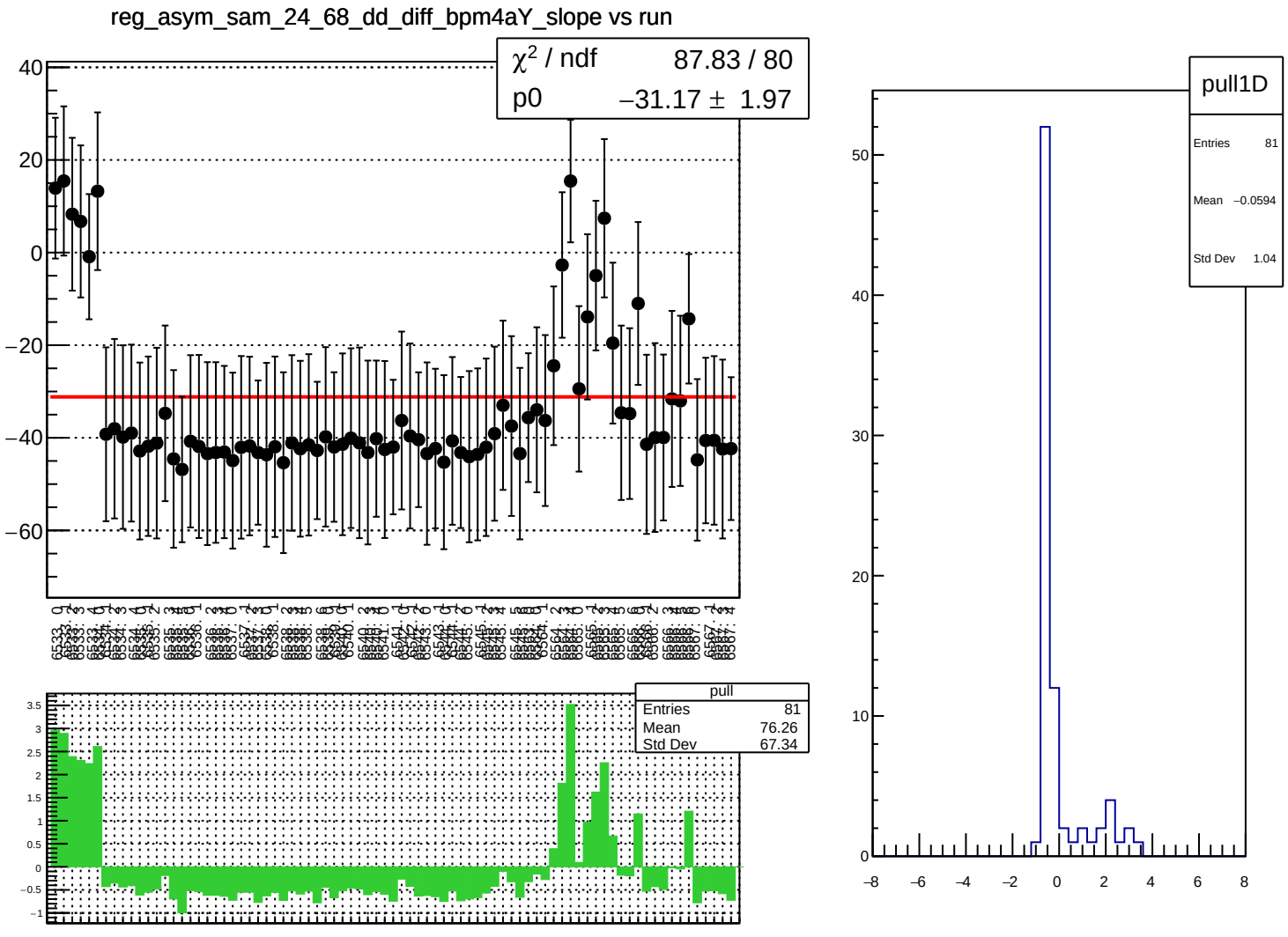

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.4 / 80
p0 21.71 ± 0.687
pull
Entries 81
Mean 21.14
Std Dev 62.38
pull1D
Entries 81
Mean −0.04868
Std Dev 0.747

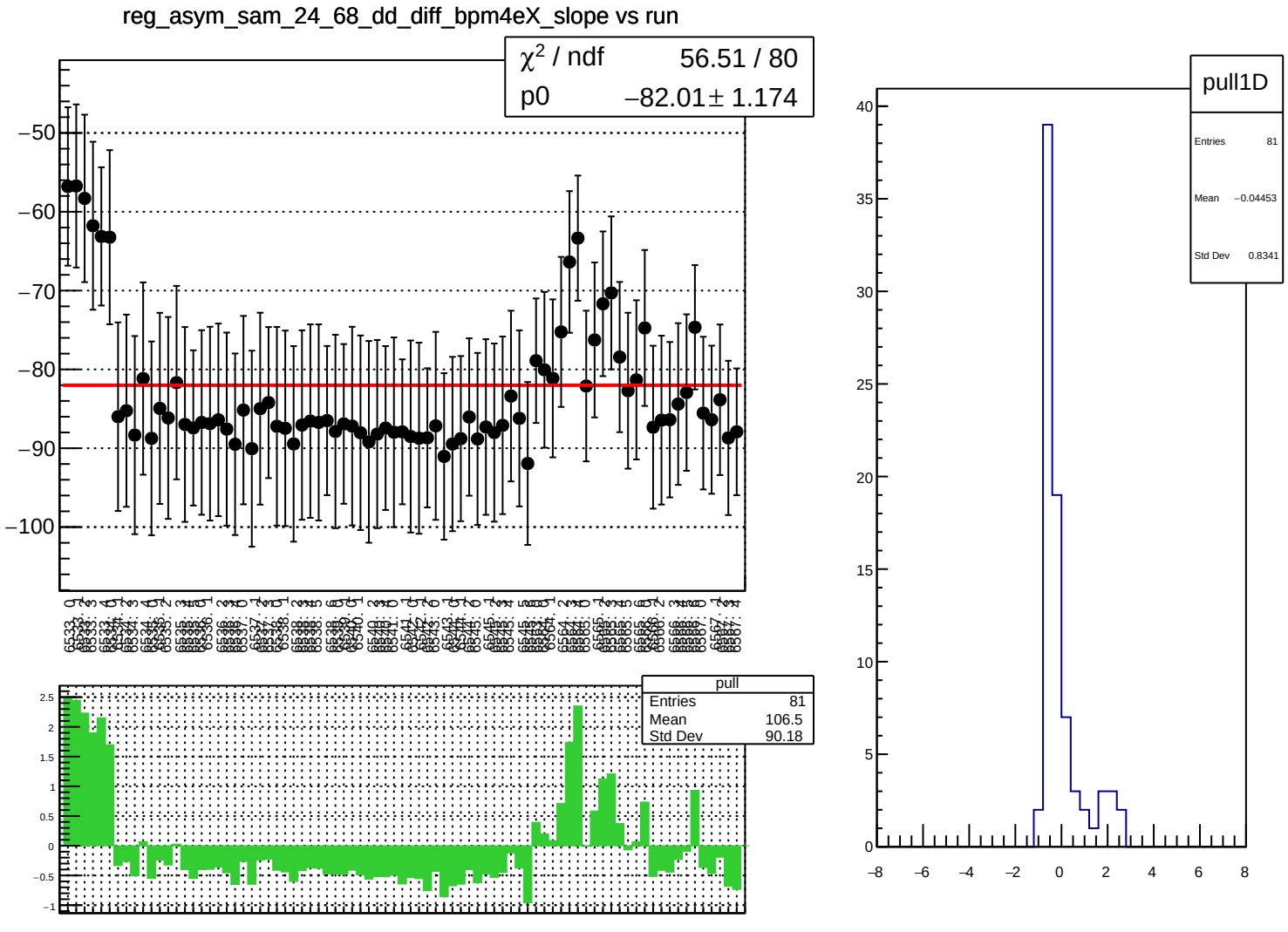

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.817 / 80
p0 −0.08131 ± 0.01502
pull
Entries 81
Mean 114.1
Std Dev 121.8

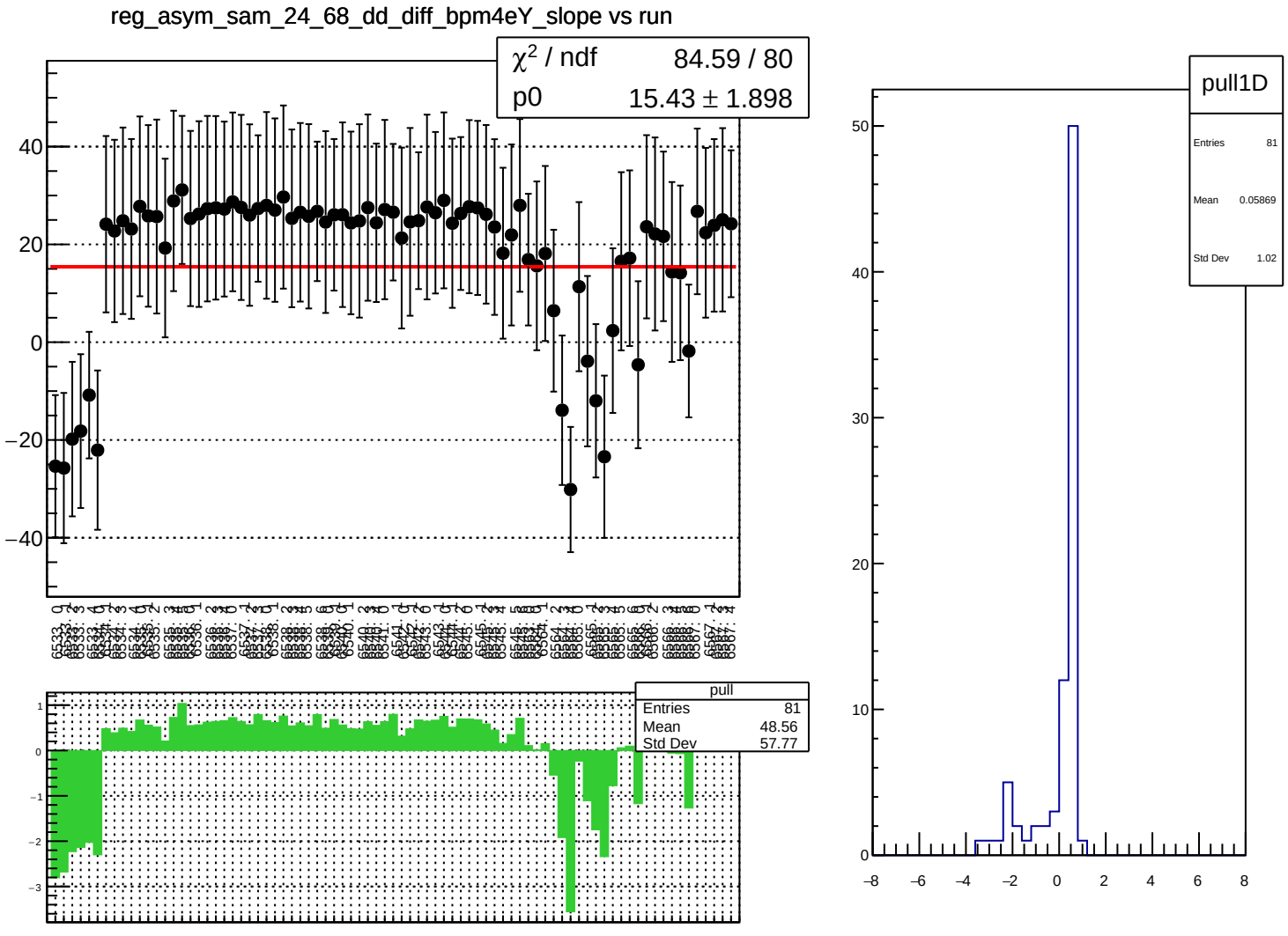

pull1D
Entries 81
Mean −0.003833
Std Dev 0.217

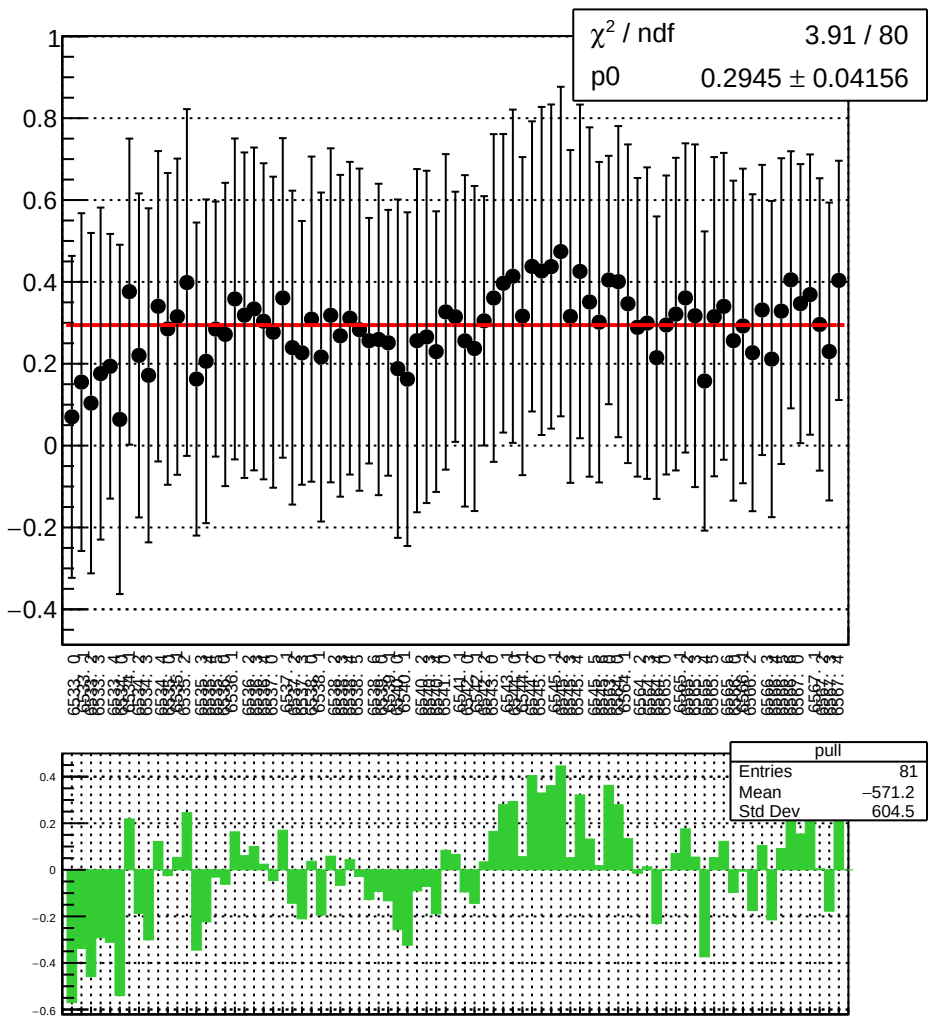

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 67.48 / 80
p0 −27.14 ± 1.085
pull
Entries 81
Mean 320.4
Std Dev 289.4

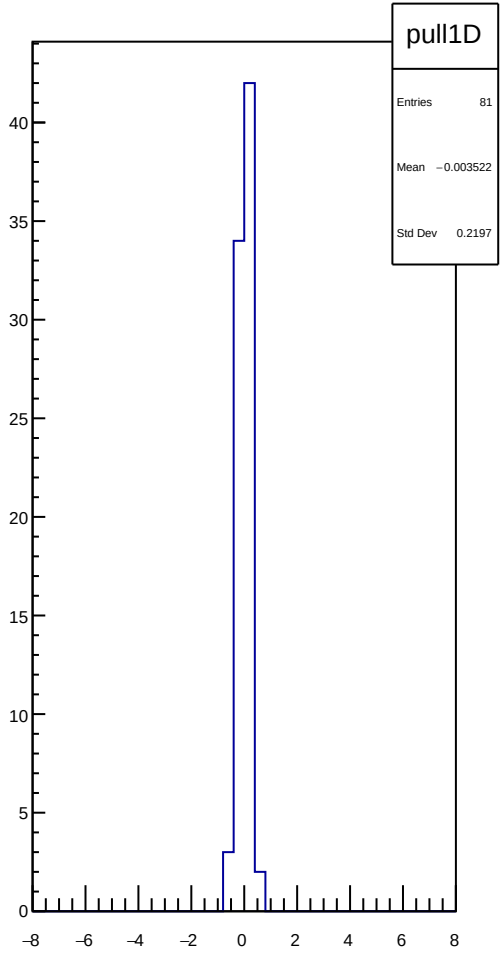

pull1D
Entries 81
Mean 0.02897
Std Dev 0.9123

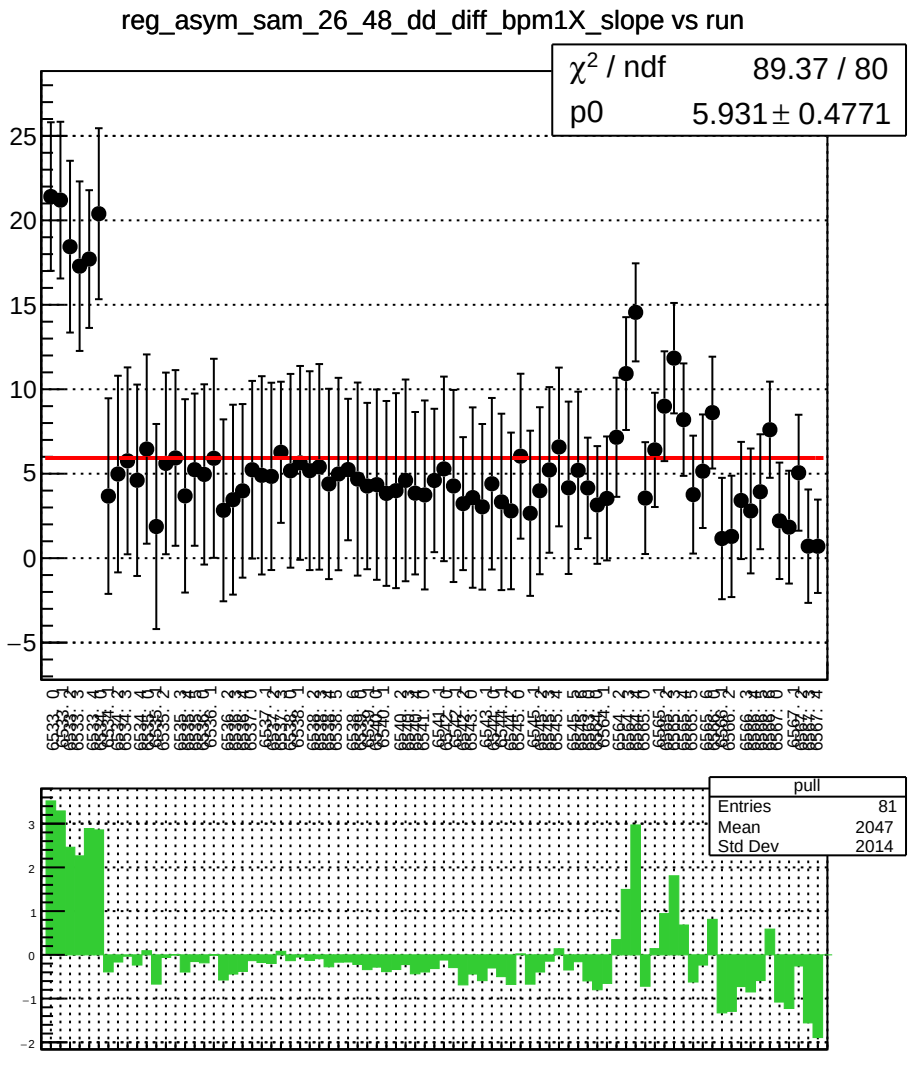

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.83 / 80
p0 −31.17 ± 1.97
pull
Entries 81
Mean 76.26
Std Dev 67.34
pull1D
Entries 81
Mean −0.0594
Std Dev 1.04

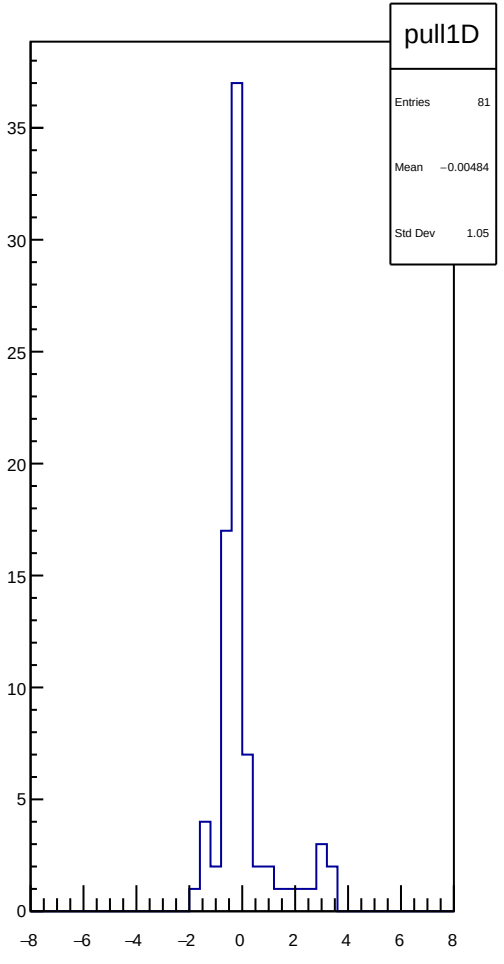

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.51 / 80
p0 −82.01± 1.174
pull
Entries 81
Mean 106.5
Std Dev 90.18
pull1D
Entries 81
Mean −0.04453
Std Dev 0.8341

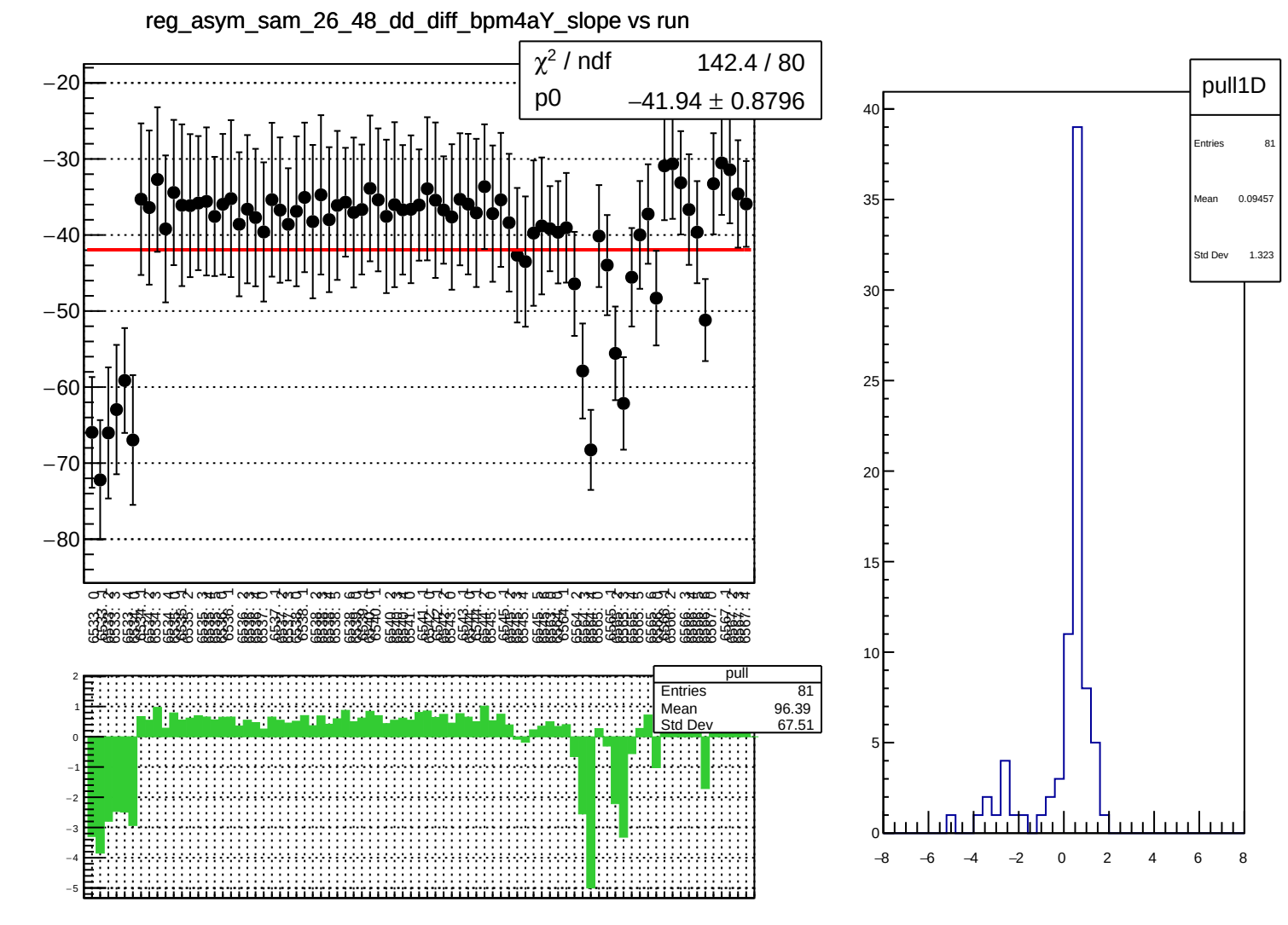

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.59 / 80
p0 15.43 ± 1.898
pull
Entries 81
Mean 48.56
Std Dev 57.77
pull1D
Entries 81
Mean 0.05869
Std Dev 1.02

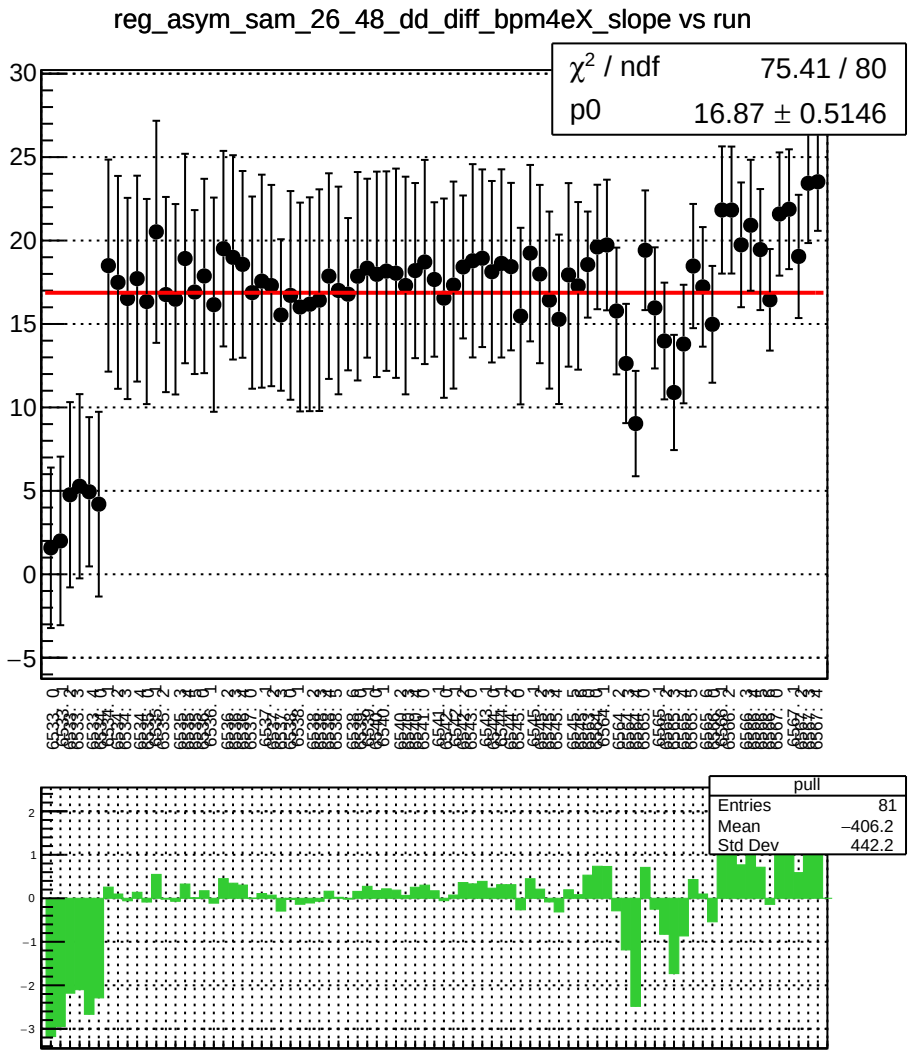

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.91 / 80
p0 0.2945 ± 0.04156
pull
Entries 81
Mean −571.2
Std Dev 604.5

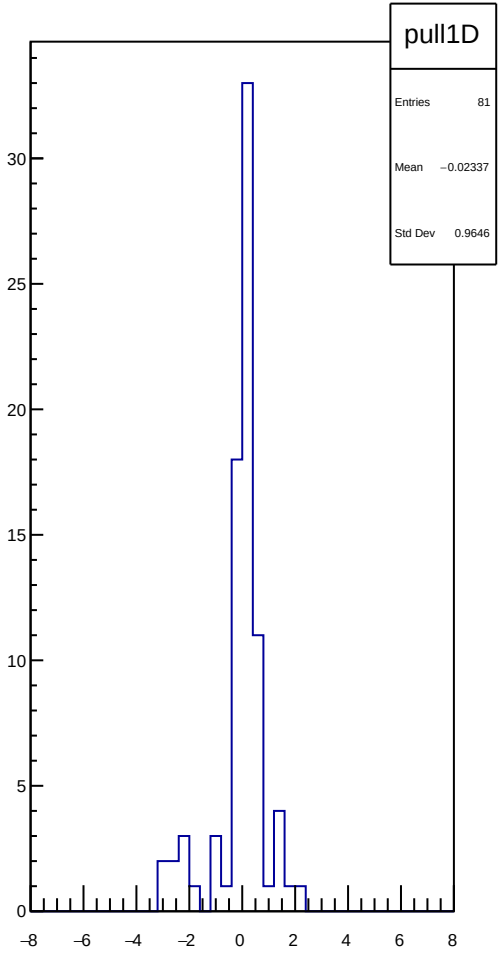

pull1D
Entries 81
Mean −0.003522
Std Dev 0.2197

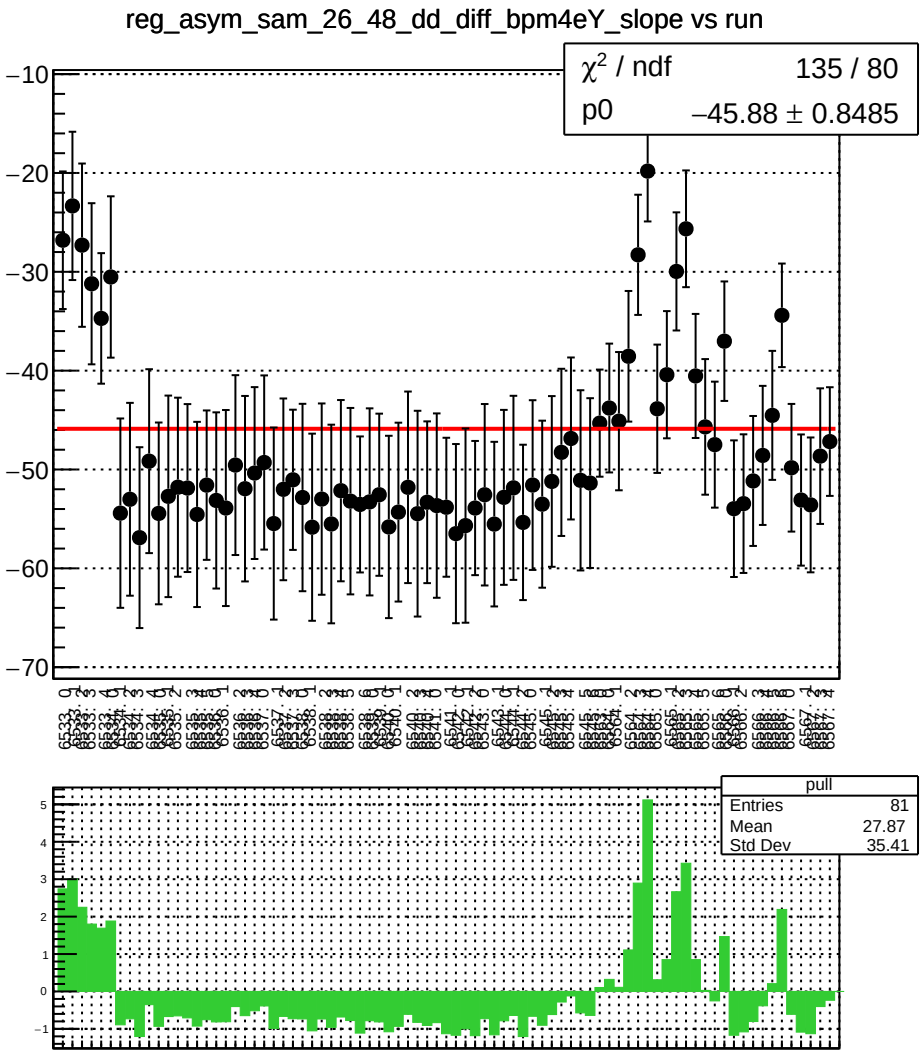

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 89.37 / 80
p0 5.931 ± 0.4771
pull
Entries 81
Mean 2047
Std Dev 2014

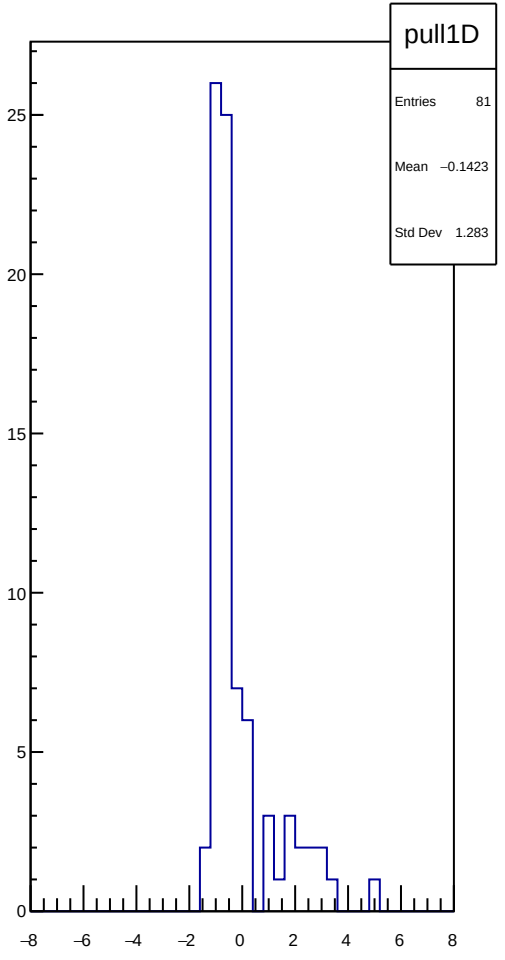

pull1D
Entries 81
Mean −0.00484
Std Dev 1.05

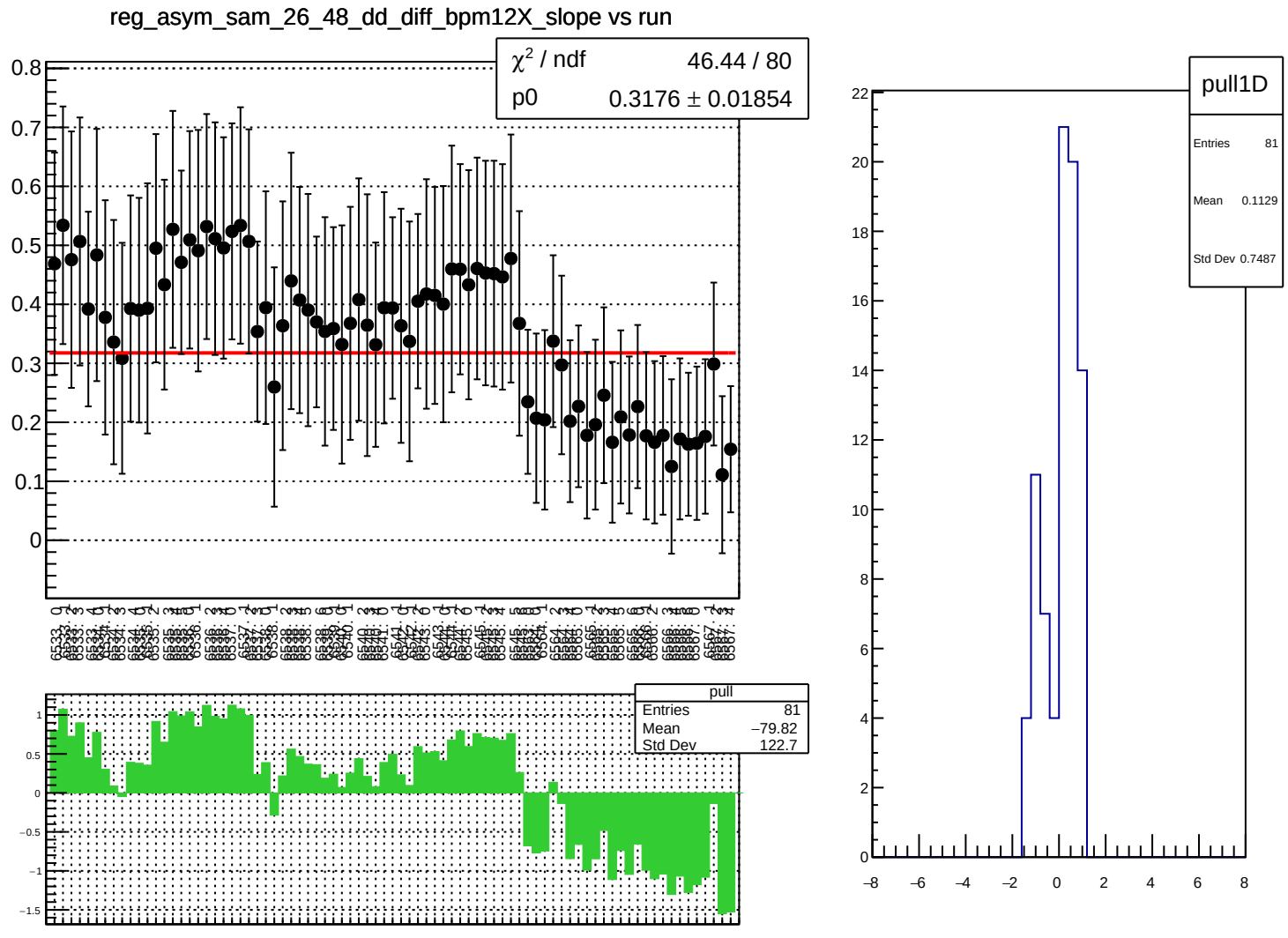

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 142.4 / 80
p0 −41.94 ± 0.8796
pull
Entries 81
Mean 96.39
Std Dev 67.51
pull1D
Entries 81
Mean 0.09457
Std Dev 1.323

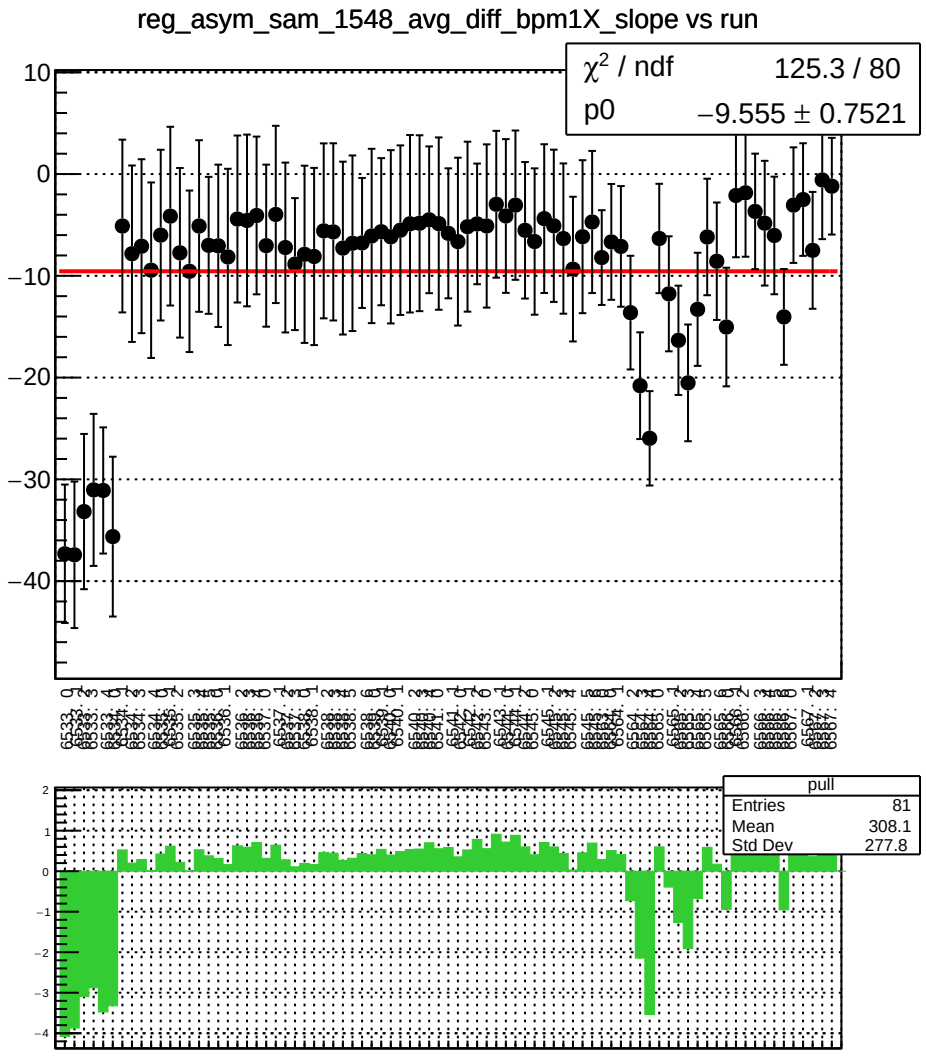

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.41 / 80
p0 16.87 ± 0.5146
pull
Entries 81
Mean −406.2
Std Dev 442.2

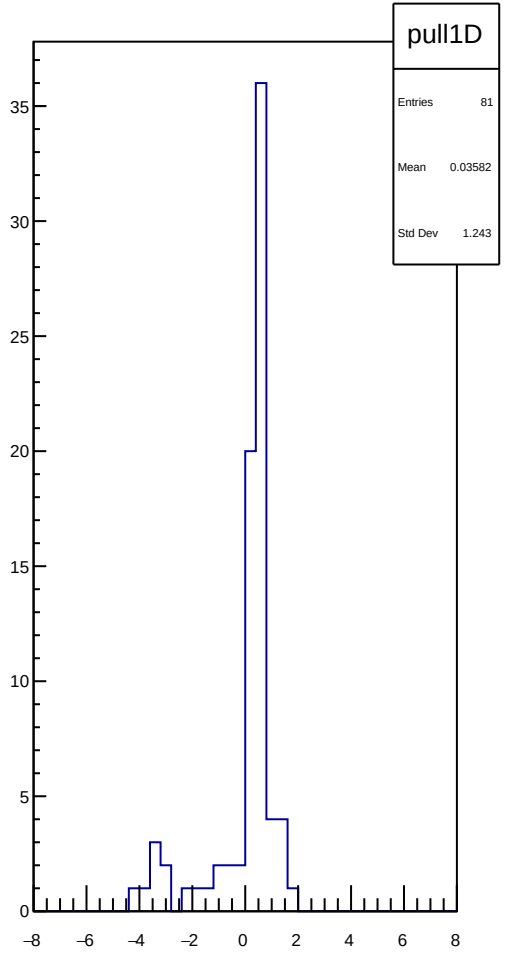

pull1D
Entries 81
Mean −0.02337
Std Dev 0.9646

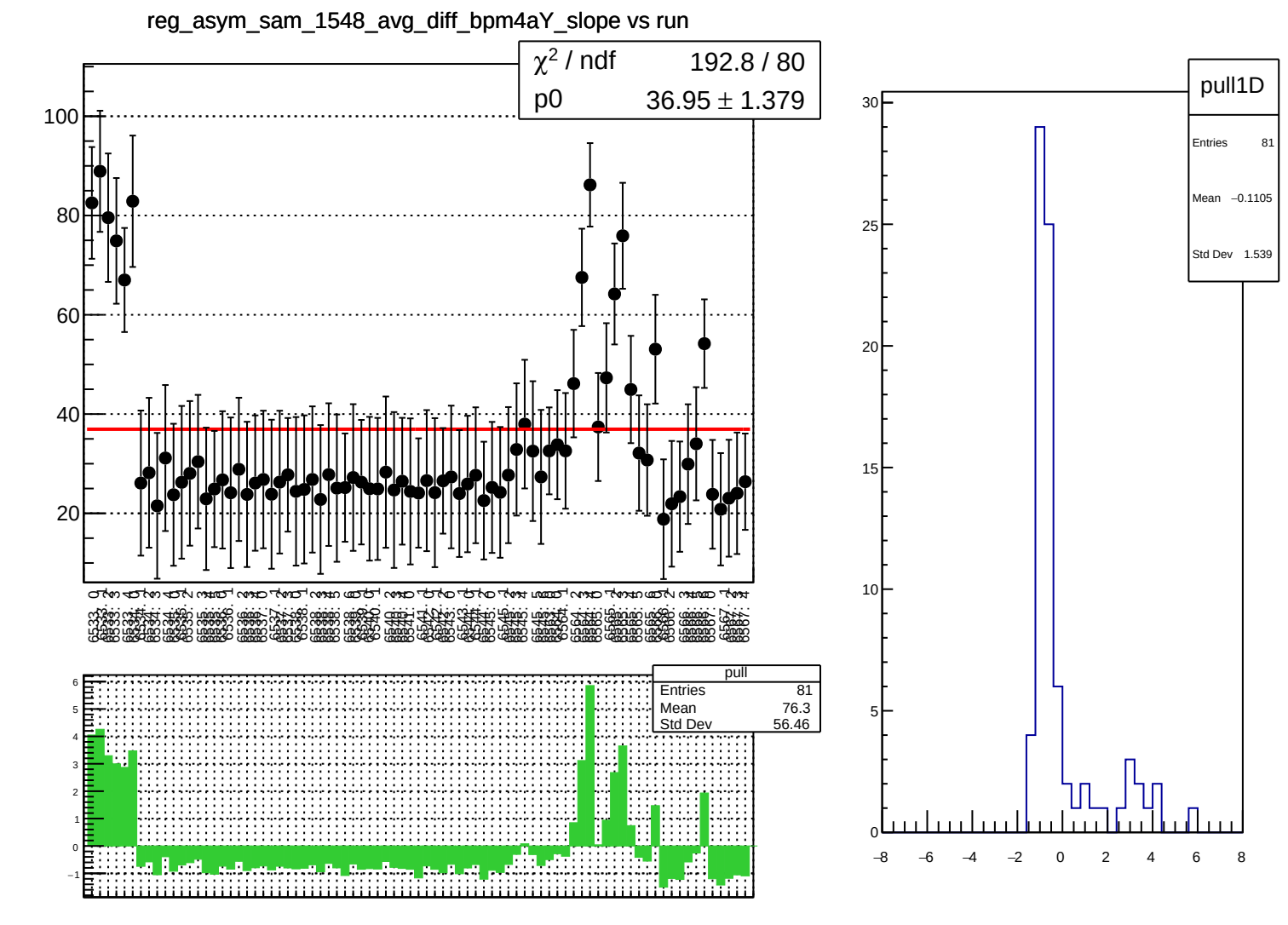

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 135 / 80
p0 −45.88 ± 0.8485
pull
Entries 81
Mean 27.87
Std Dev 35.41

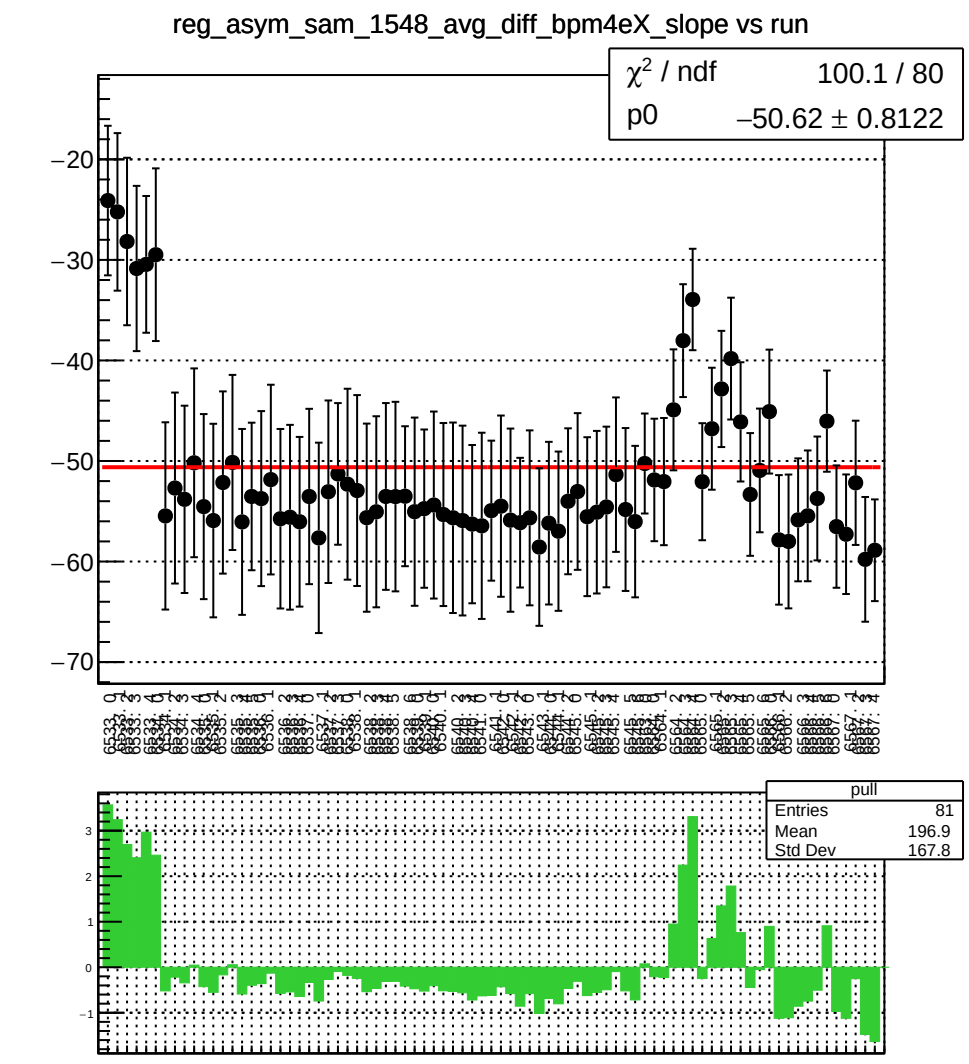

pull1D
Entries 81
Mean −0.1423
Std Dev 1.283

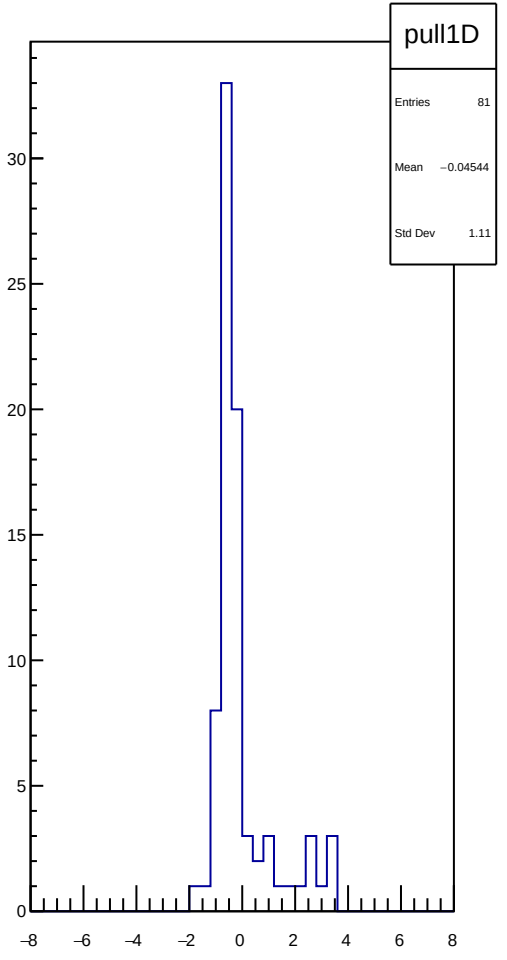

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 46.44 / 80
p0 0.3176 ± 0.01854
pull
Entries 81
Mean −79.82
Std Dev 122.7
pull1D
Entries 81
Mean 0.1129
Std Dev 0.7487

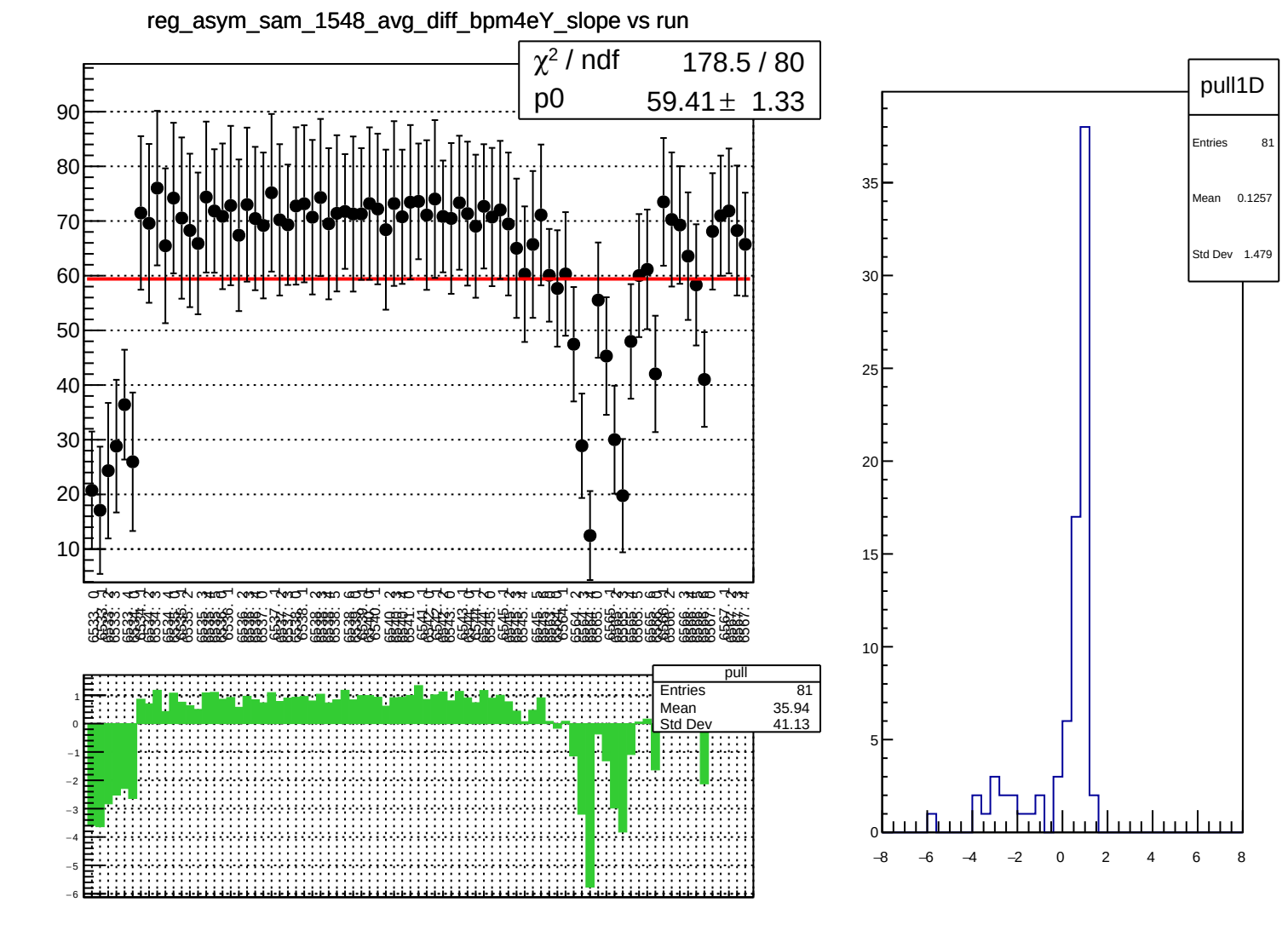

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 125.3 / 80
p0 −9.555 ± 0.7521
pull
Entries 81
Mean 308.1
Std Dev 277.8

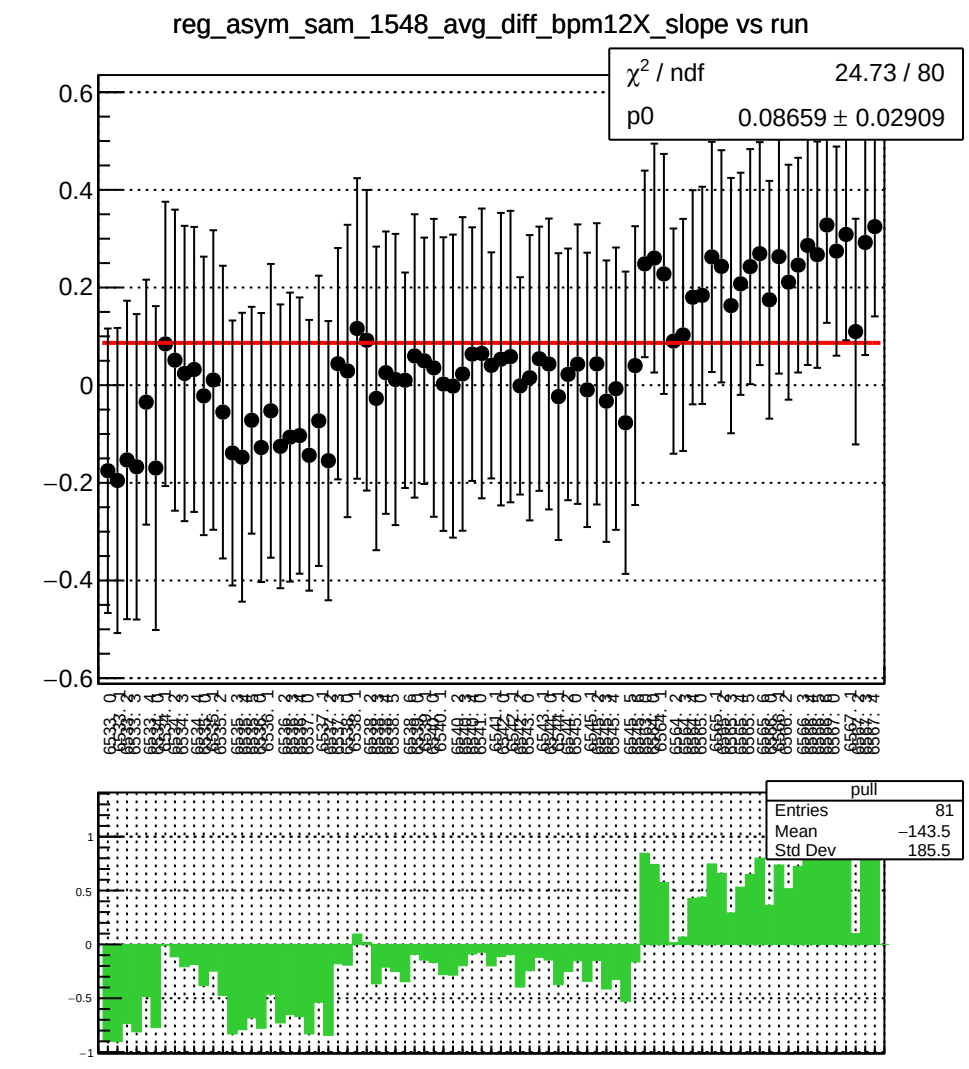

pull1D
Entries 81
Mean 0.03582
Std Dev 1.243

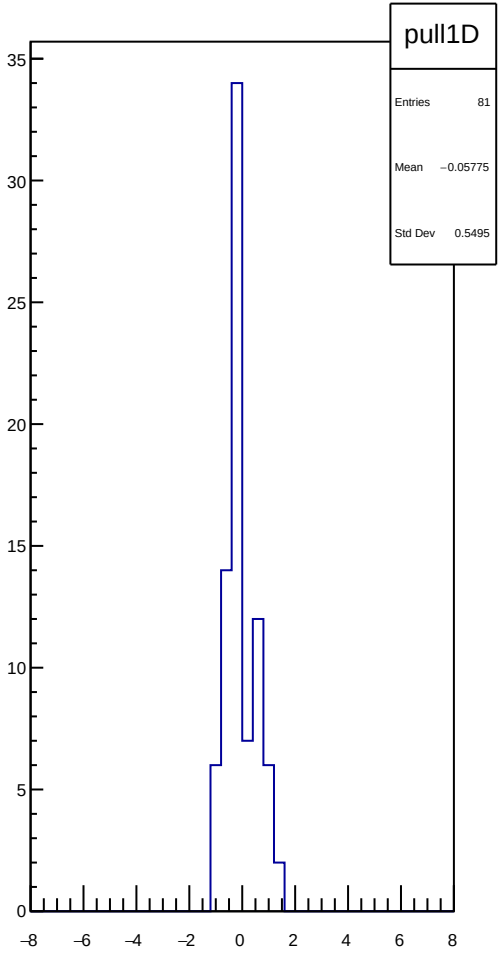

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 192.8 / 80
p0 36.95 ± 1.379
pull
Entries 81
Mean 76.3
Std Dev 56.46
pull1D
Entries 81
Mean −0.1105
Std Dev 1.539

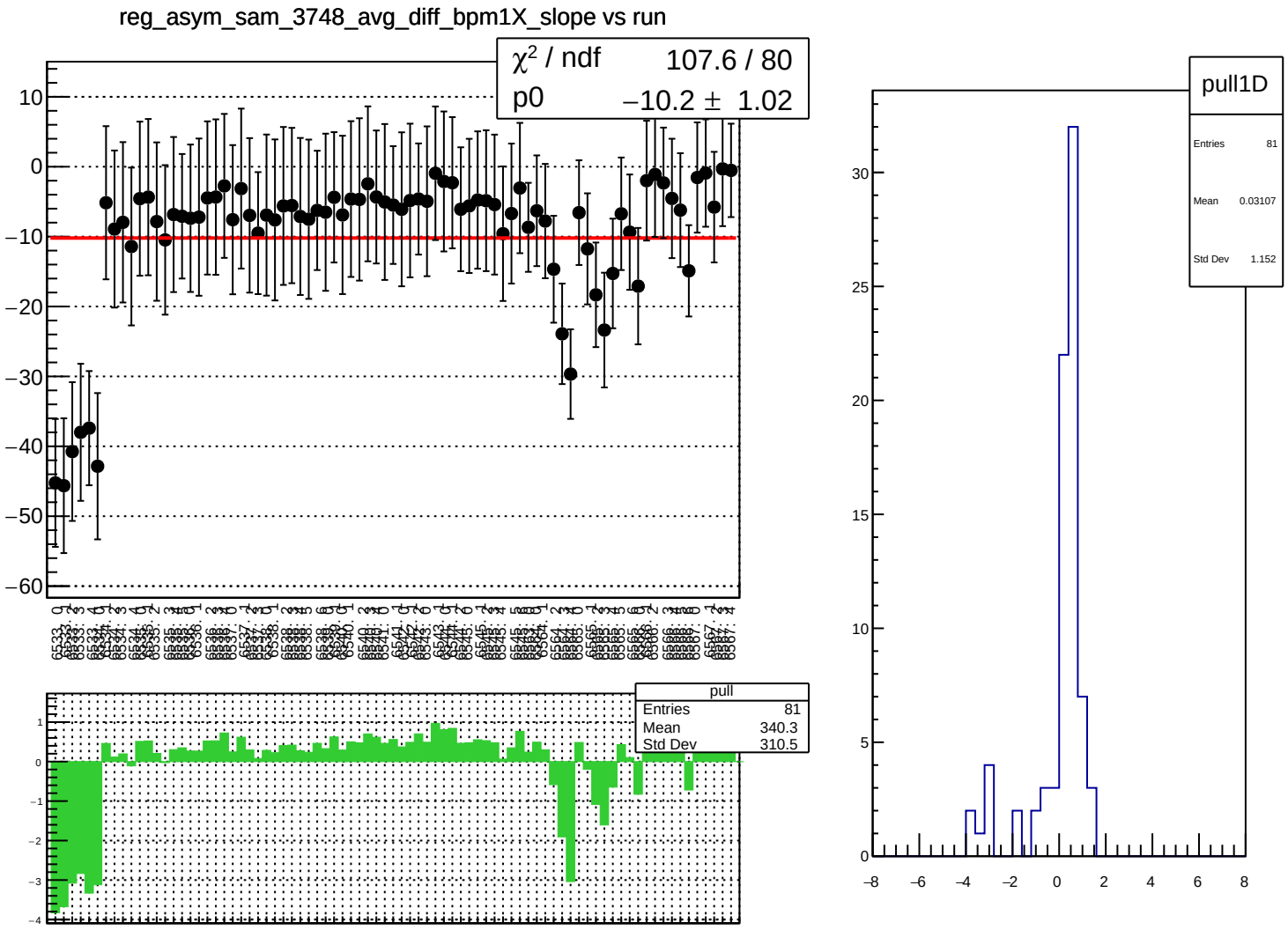

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.1 / 80
p0 −50.62 ± 0.8122
pull
Entries 81
Mean 196.9
Std Dev 167.8

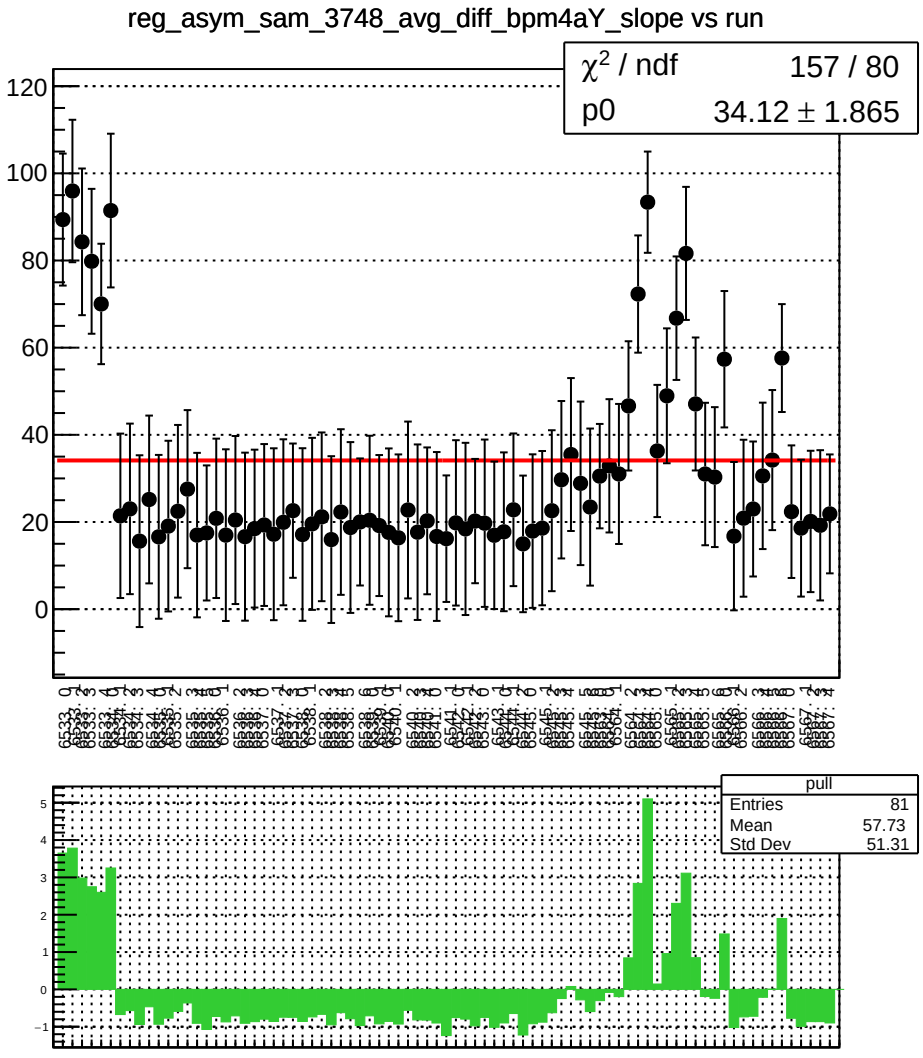

pull1D
Entries 81
Mean −0.04544
Std Dev 1.11

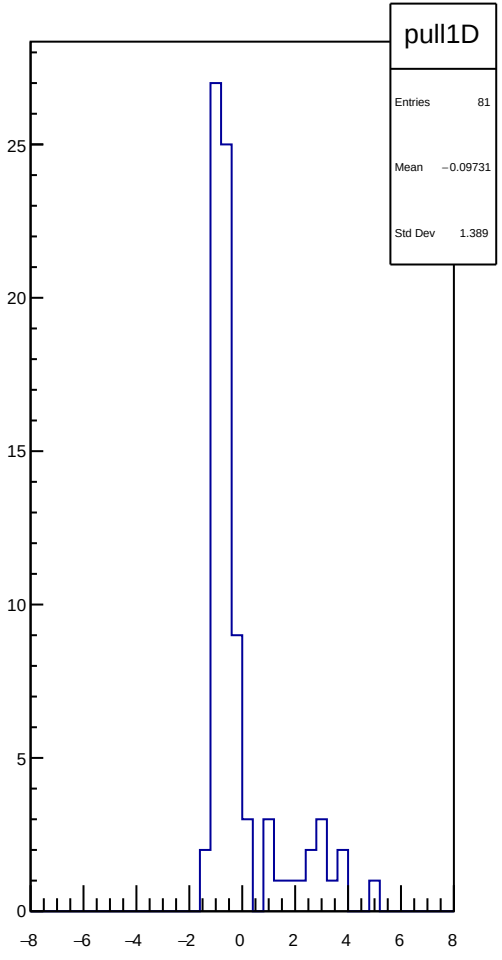

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 178.5 / 80
p0 59.41 ± 1.33
pull
Entries 81
Mean 35.94
Std Dev 41.13
pull1D
Entries 81
Mean 0.1257
Std Dev 1.479

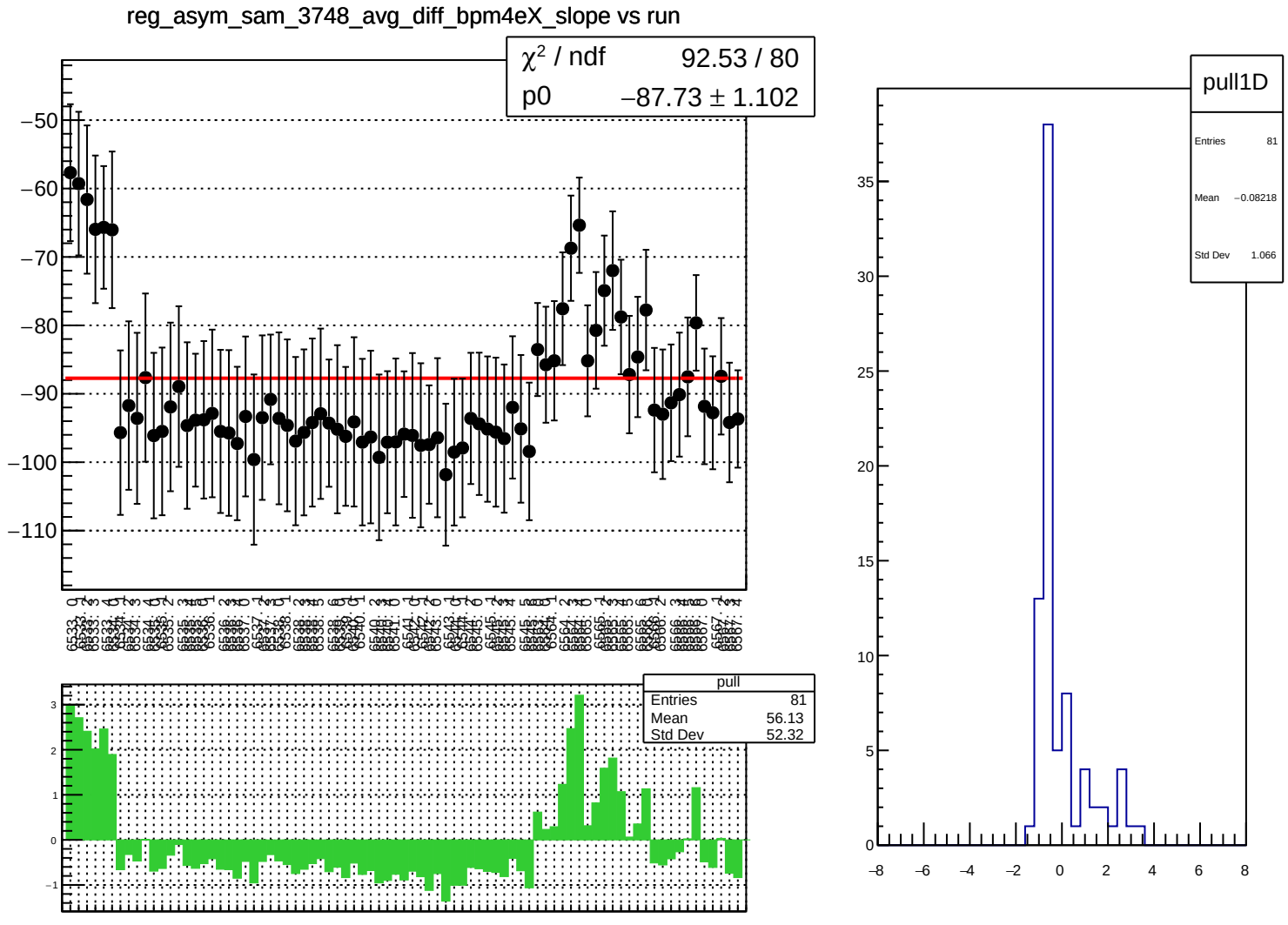

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 24.73 / 80
p0 0.08659 ± 0.02909
pull
Entries 81
Mean −143.5
Std Dev 185.5

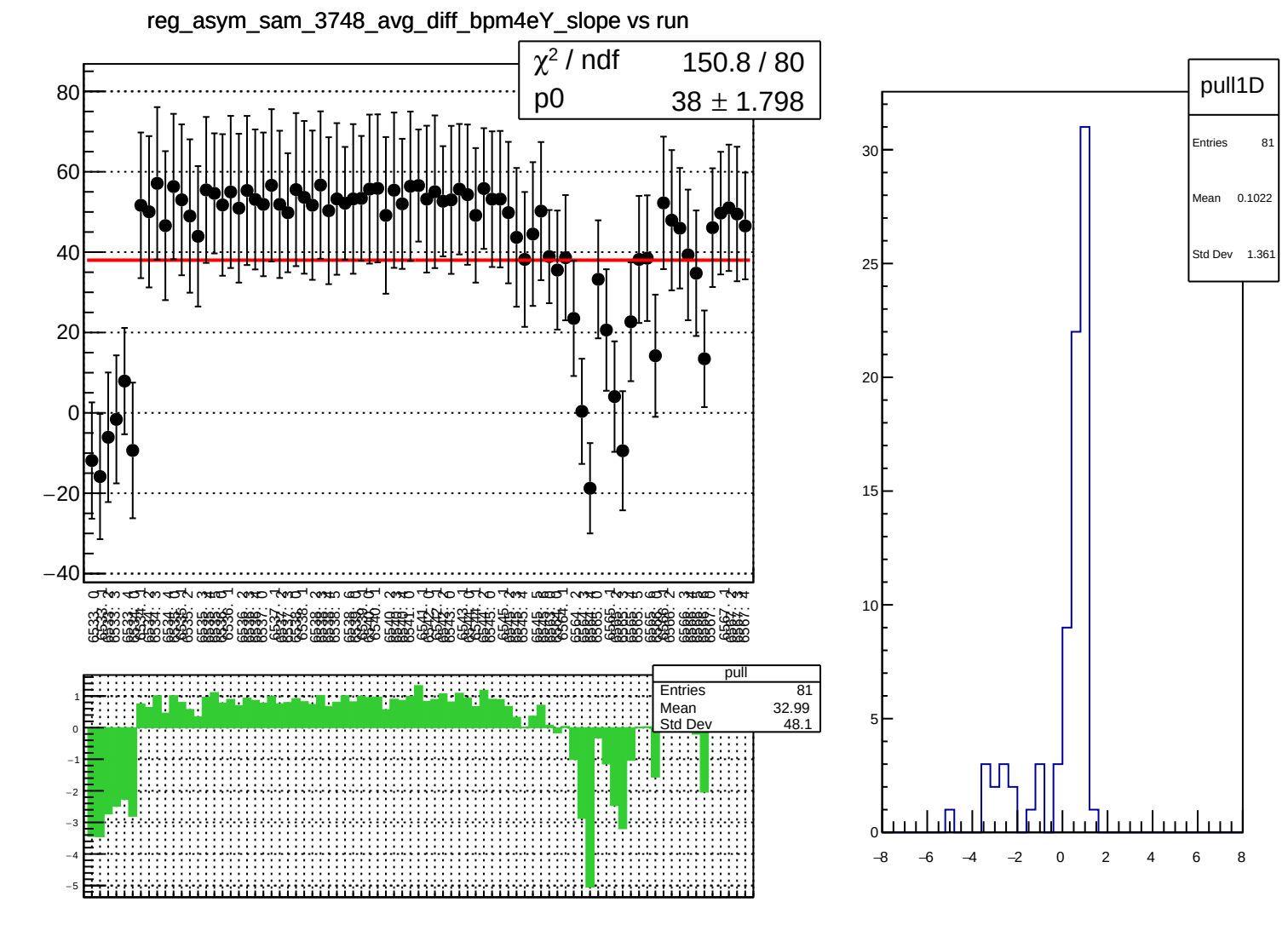

pull1D
Entries 81
Mean −0.05775
Std Dev 0.5495

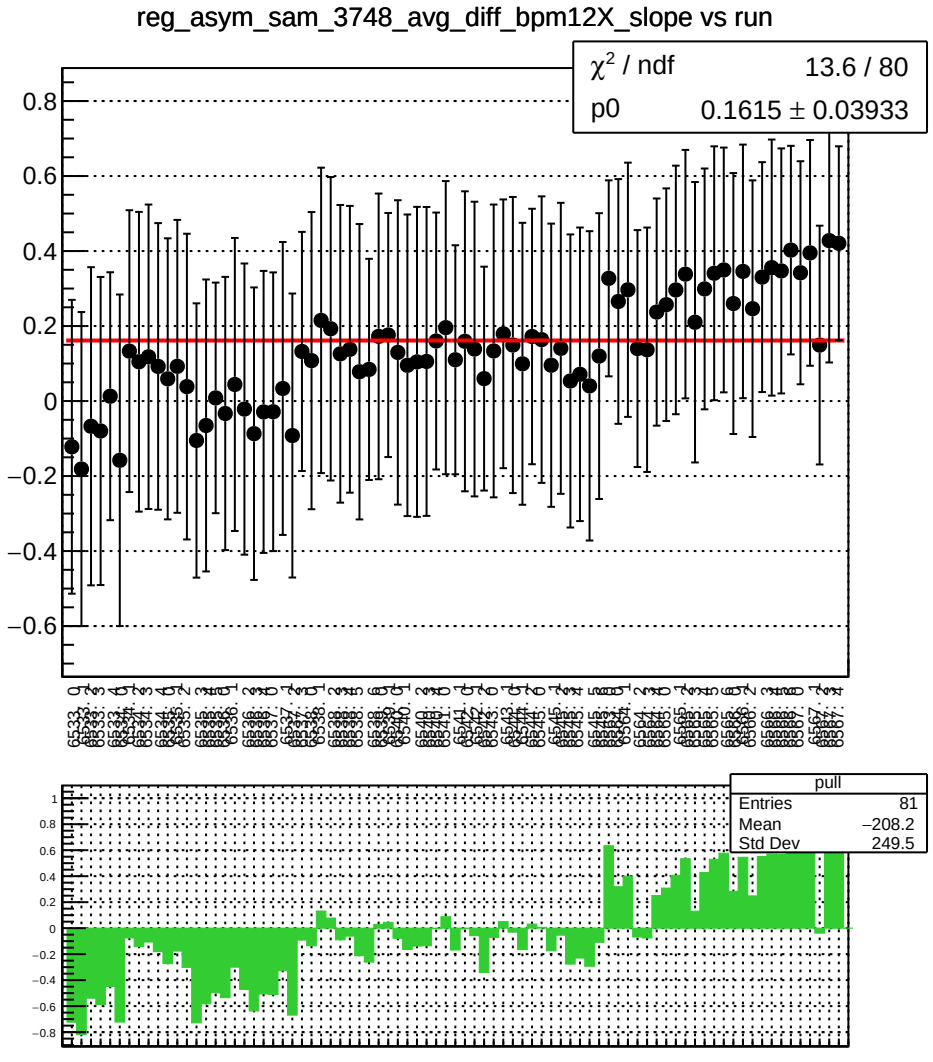

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 107.6 / 80
p0 −10.2 ± 1.02
pull
Entries 81
Mean 340.3
Std Dev 310.5
pull1D
Entries 81
Mean 0.03107
Std Dev 1.152

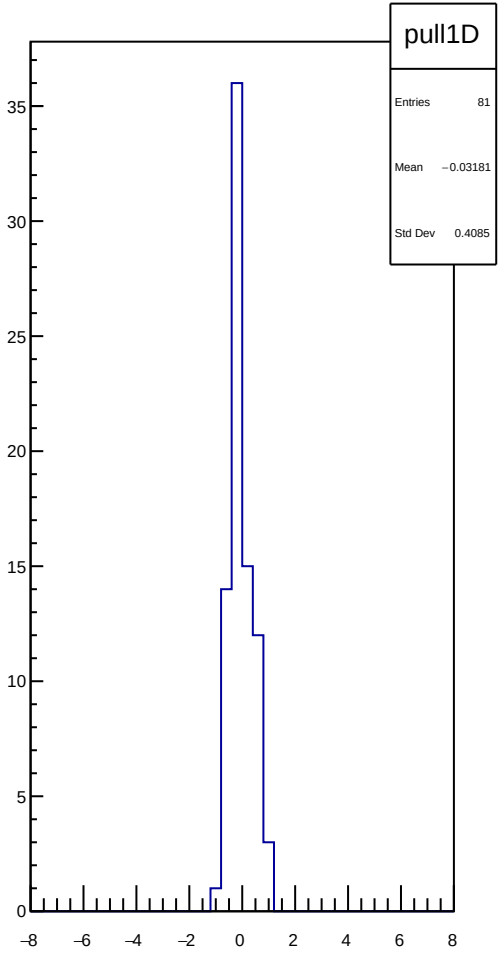

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 157 / 80
p0 34.12 ± 1.865
pull
Entries 81
Mean 57.73
Std Dev 51.31

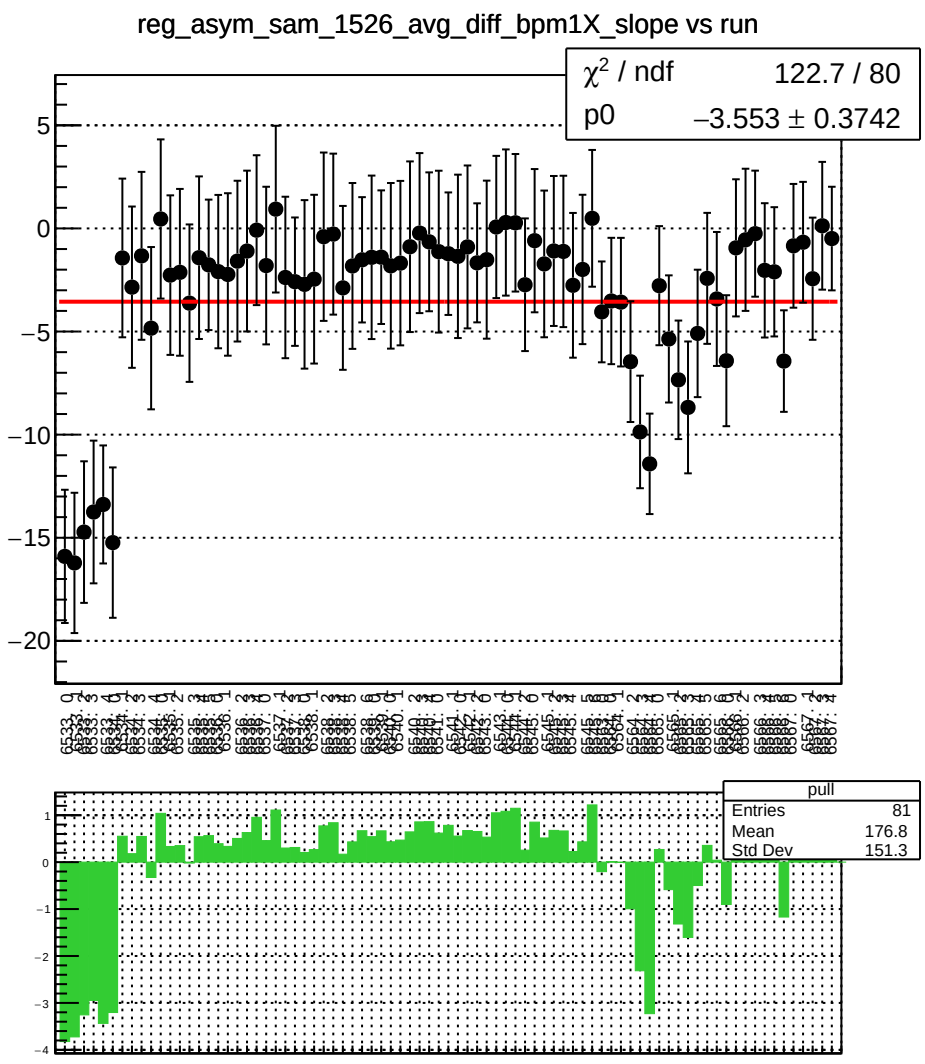

pull1D
Entries 81
Mean −0.09731
Std Dev 1.389

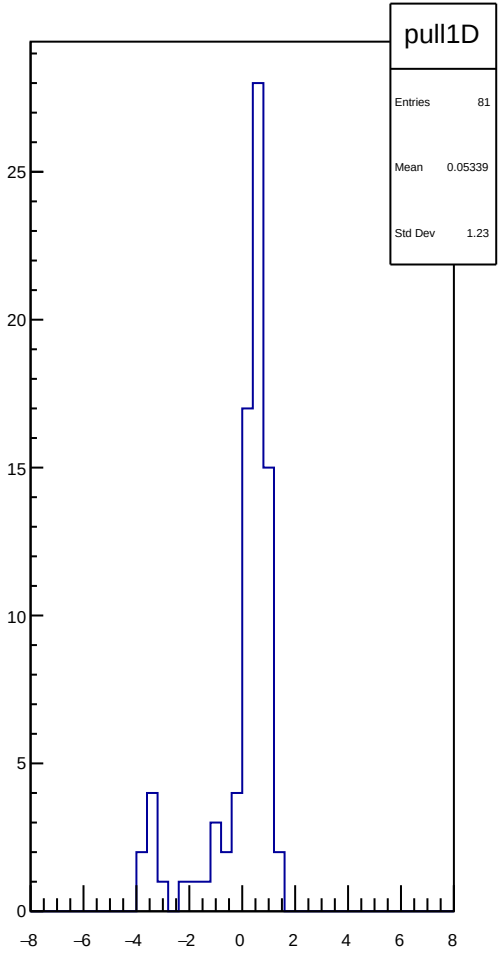

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.53 / 80
p0 −87.73 ± 1.102
pull
Entries 81
Mean 56.13
Std Dev 52.32
pull1D
Entries 81
Mean −0.08218
Std Dev 1.066

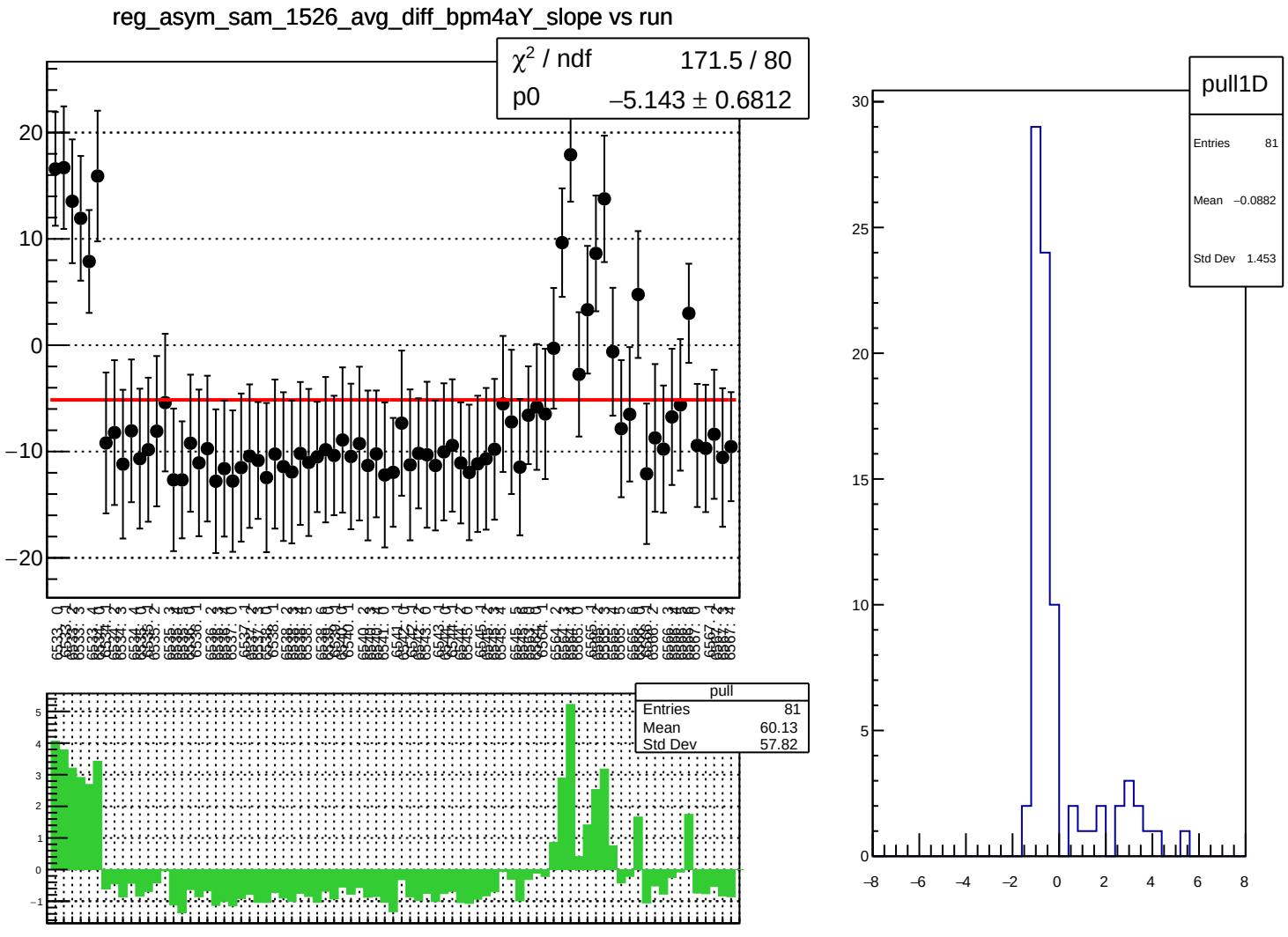

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 150.8 / 80
p0 38 ± 1.798
pull
Entries 81
Mean 32.99
Std Dev 48.1
pull1D
Entries 81
Mean 0.1022
Std Dev 1.361

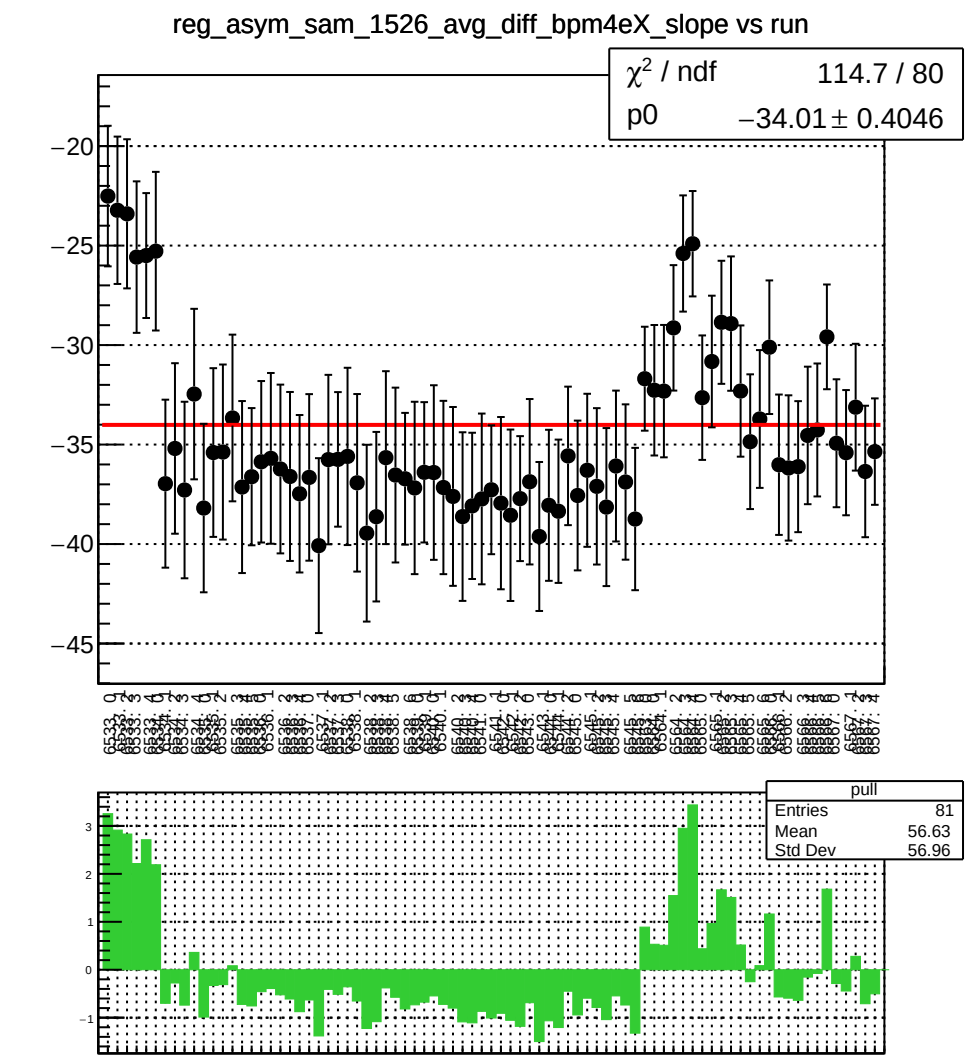

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 13.6 / 80
p0 0.1615 ± 0.03933
pull
Entries 81
Mean −208.2
Std Dev 249.5

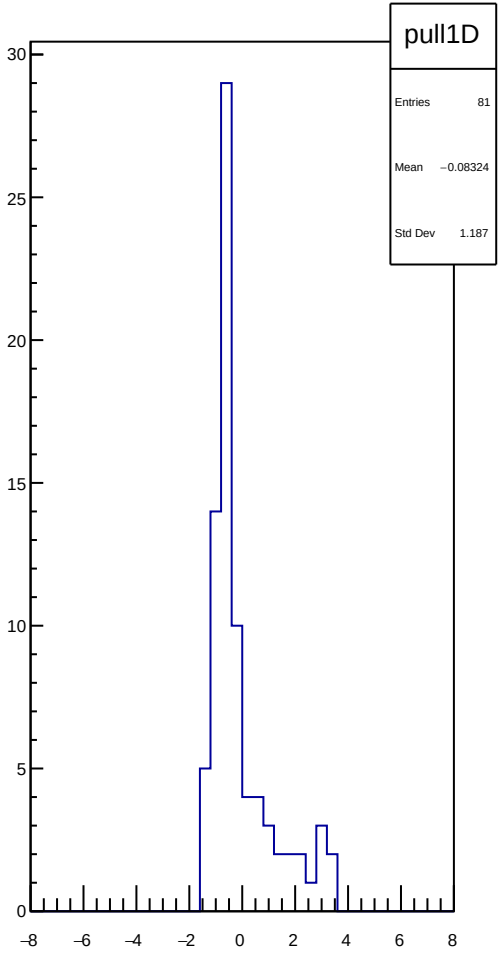

pull1D
Entries 81
Mean −0.03181
Std Dev 0.4085

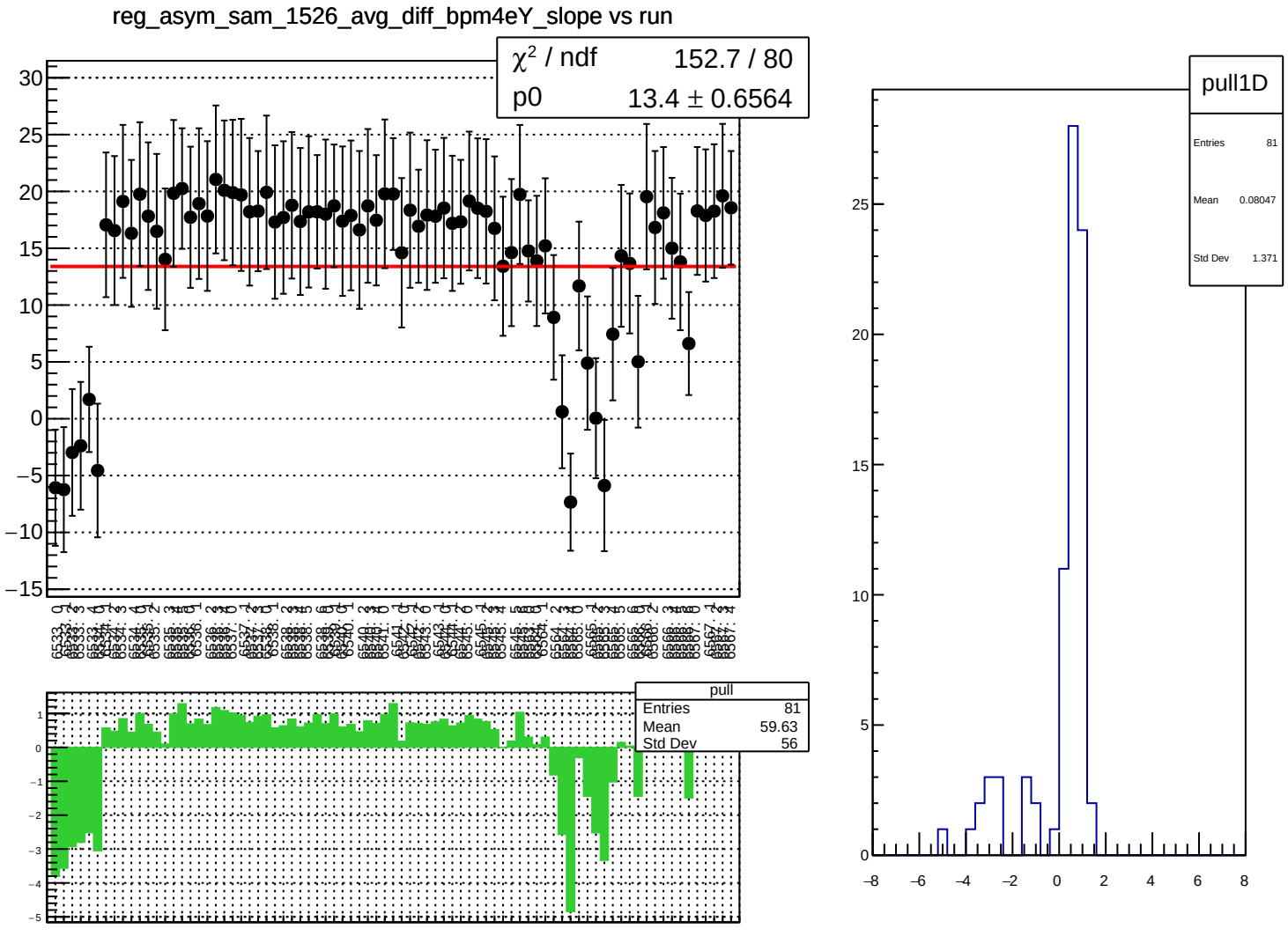

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 122.7 / 80
p0 −3.553 ± 0.3742
pull
Entries 81
Mean 176.8
Std Dev 151.3

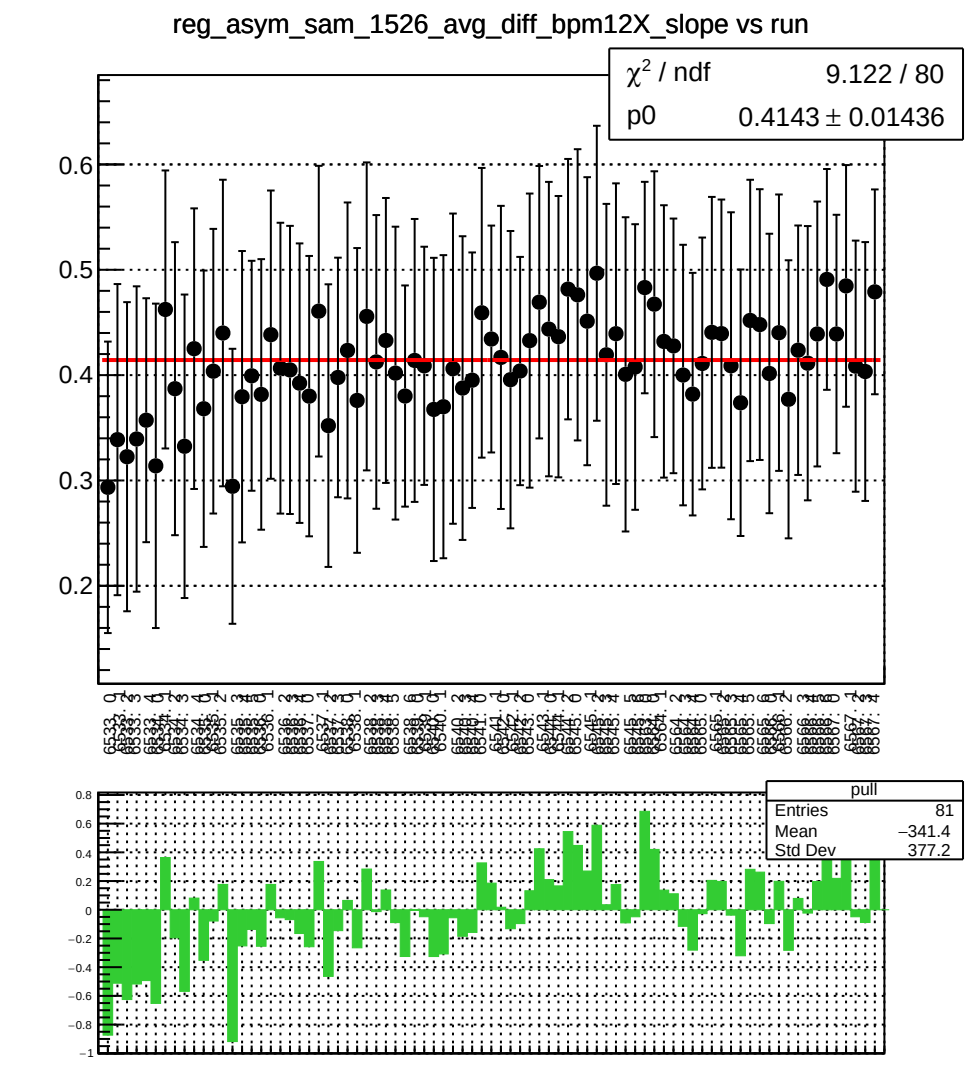

pull1D
Entries 81
Mean 0.05339
Std Dev 1.23

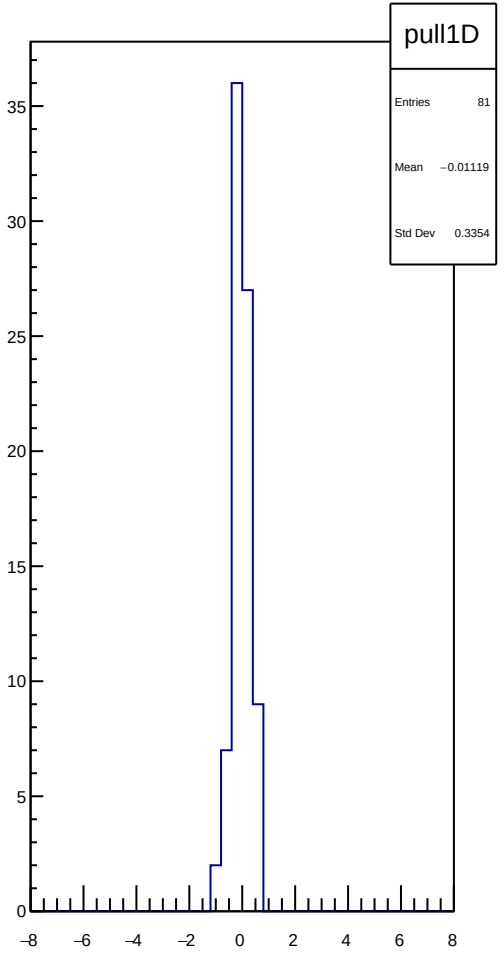

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 171.5 / 80
p0 −5.143 ± 0.6812
pull
Entries 81
Mean 60.13
Std Dev 57.82
pull1D
Entries 81
Mean −0.0882
Std Dev 1.453

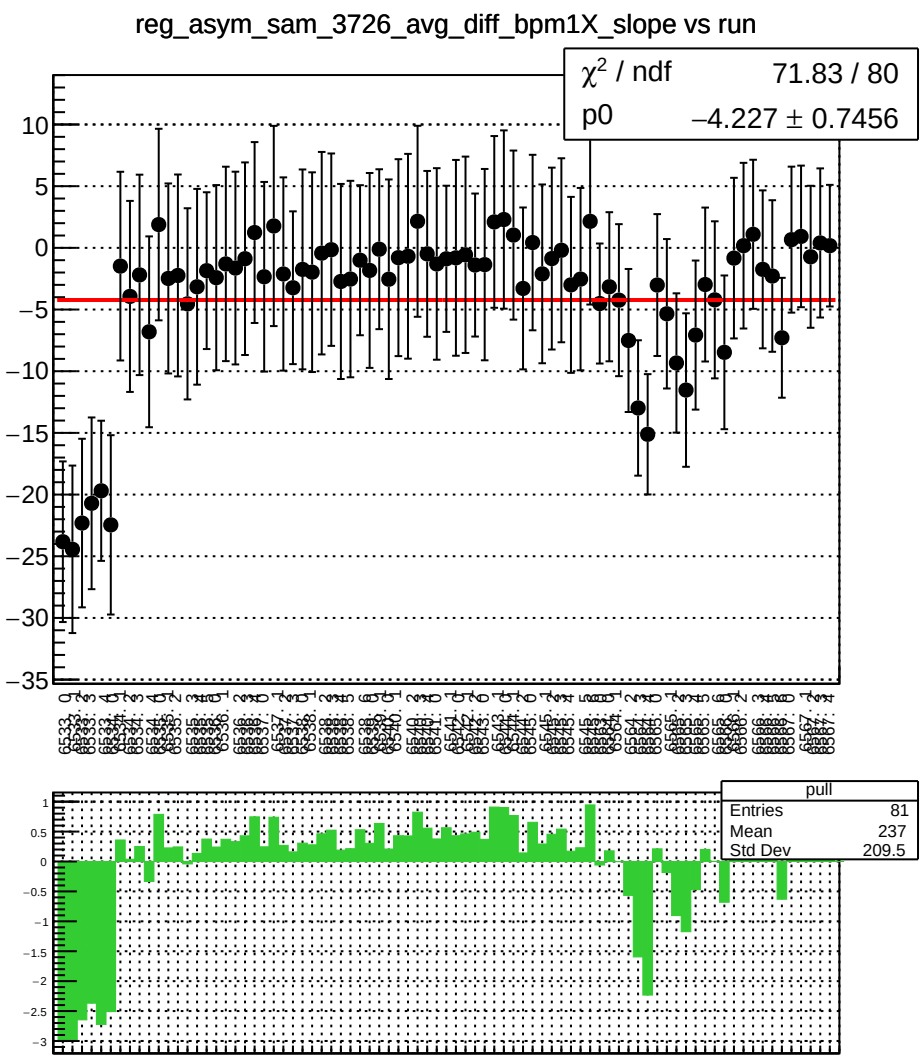

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 114.7 / 80
p0 −34.01 ± 0.4046
pull
Entries 81
Mean 56.63
Std Dev 56.96

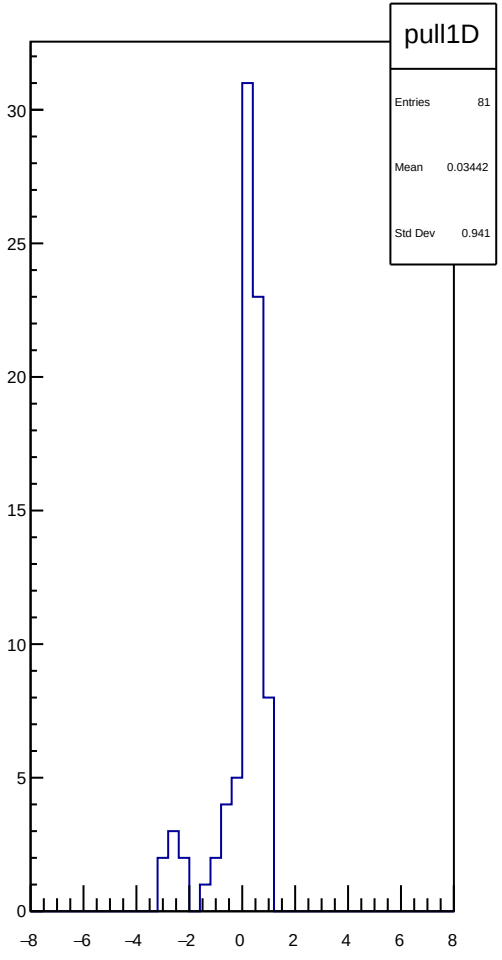

pull1D
Entries 81
Mean −0.08324
Std Dev 1.187

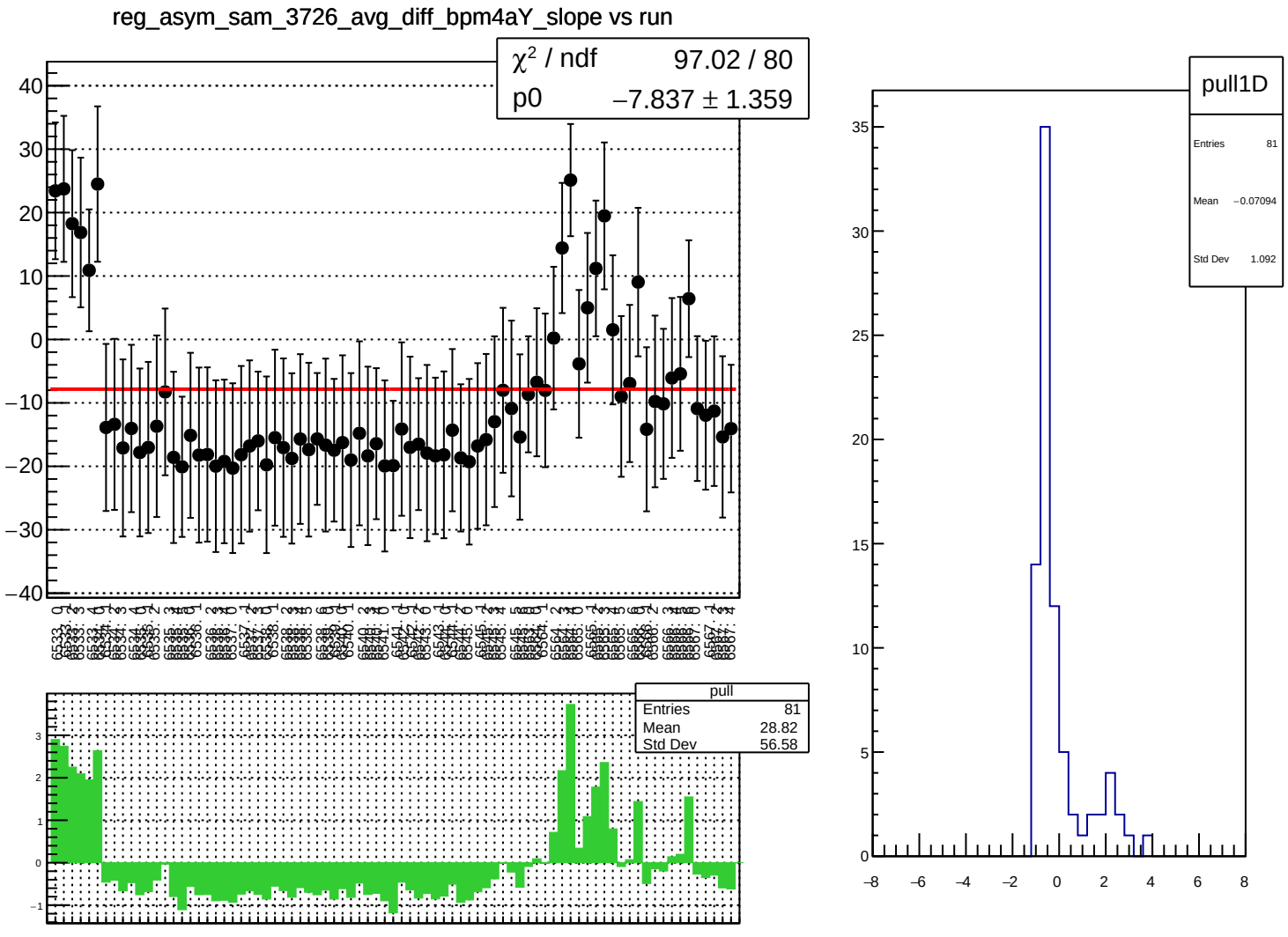

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 152.7 / 80
p0 13.4 ± 0.6564
pull
Entries 81
Mean 59.63
Std Dev 56
pull1D
Entries 81
Mean 0.08047
Std Dev 1.371

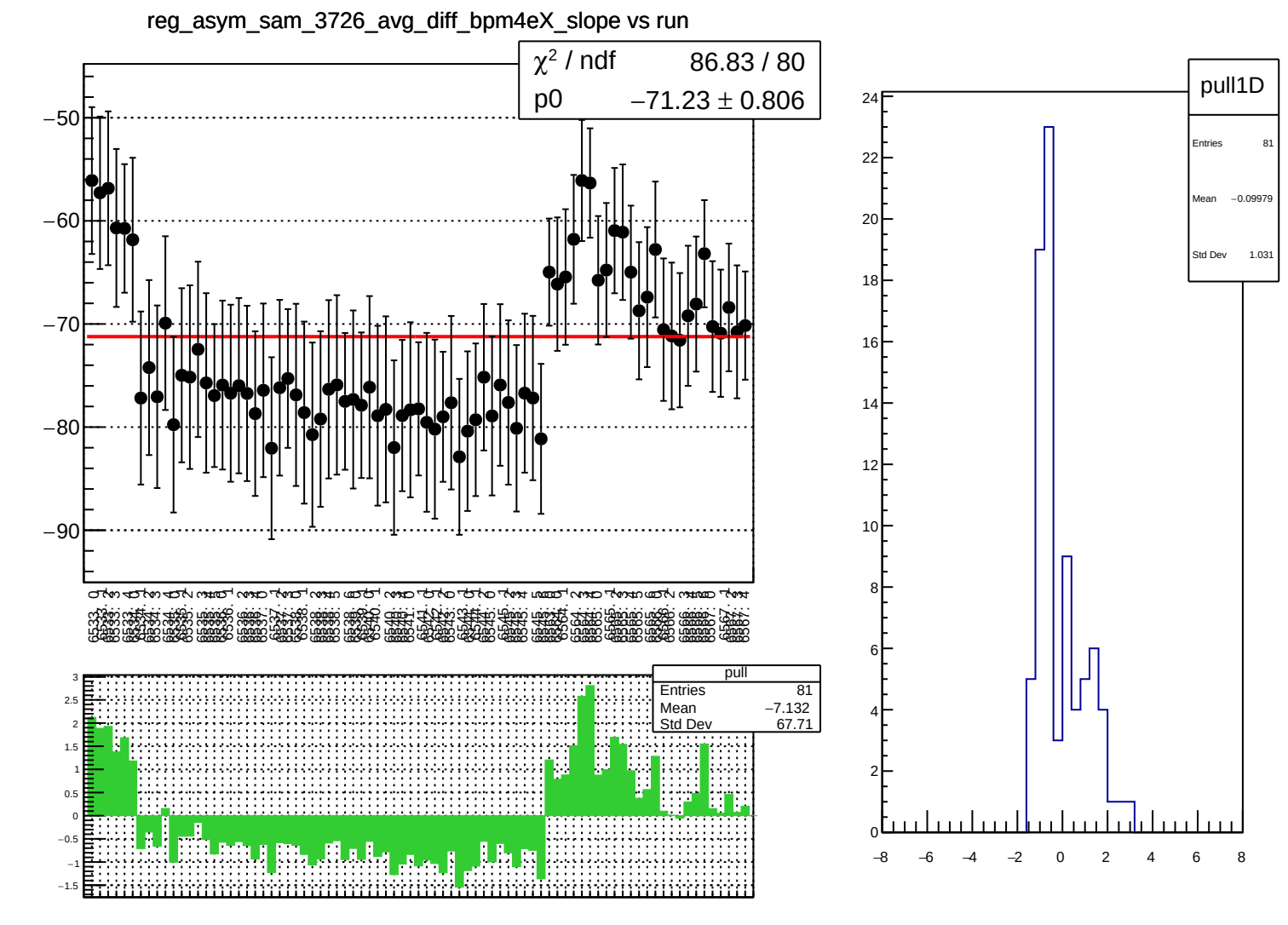

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 9.122 / 80
p0 0.4143 ± 0.01436
pull
Entries 81
Mean −341.4
Std Dev 377.2

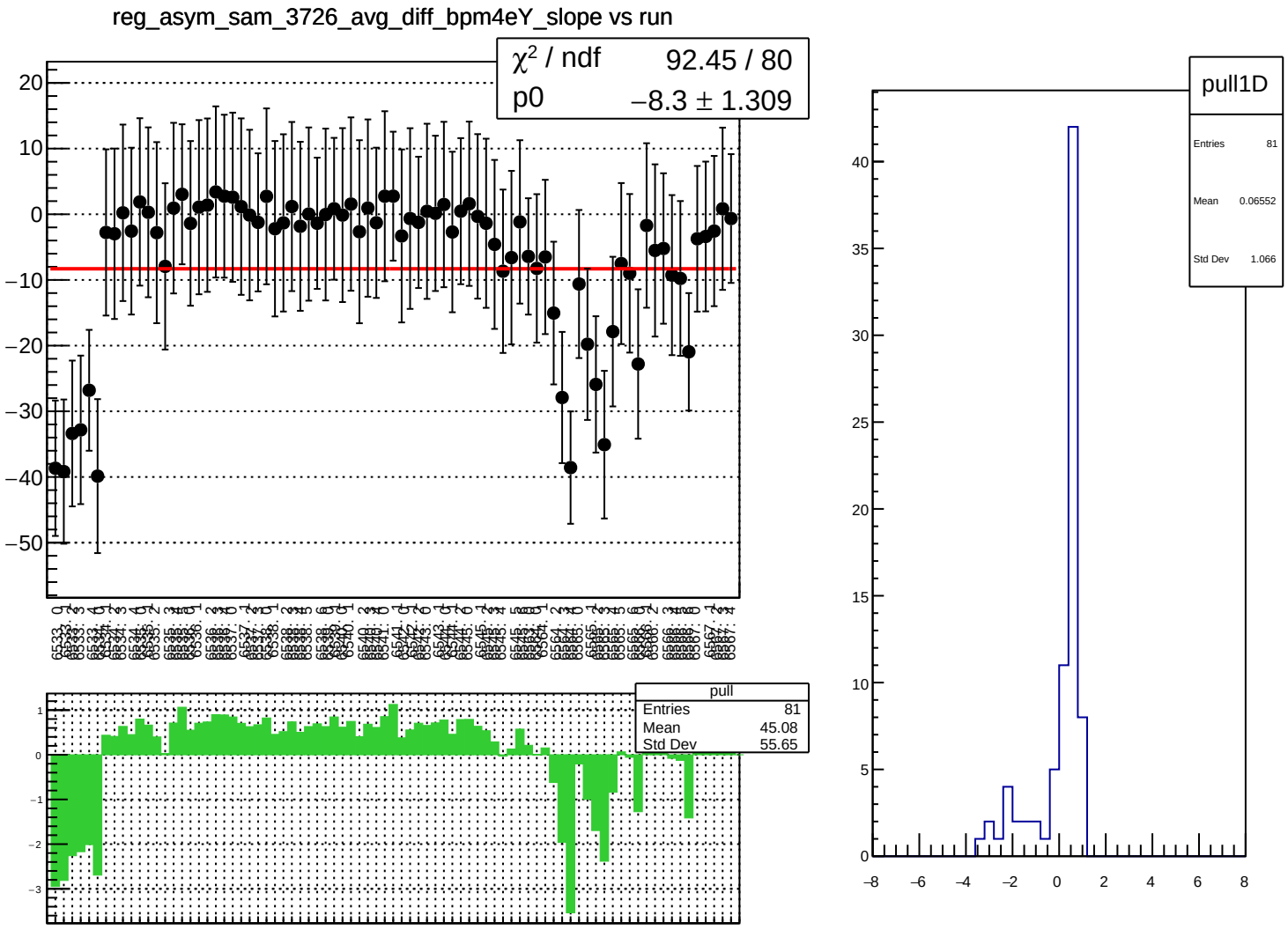

pull1D
Entries 81
Mean −0.01119
Std Dev 0.3354

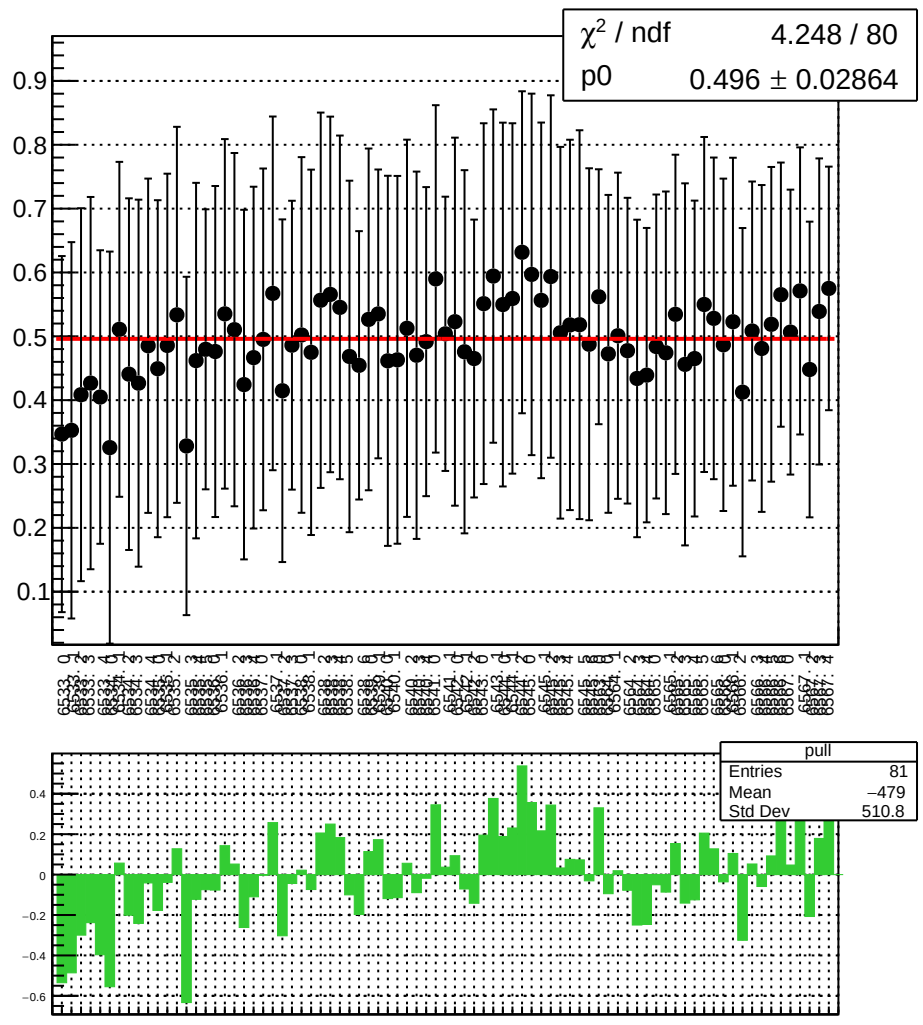

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 71.83 / 80
p0 −4.227 ± 0.7456
pull
Entries 81
Mean 237
Std Dev 209.5

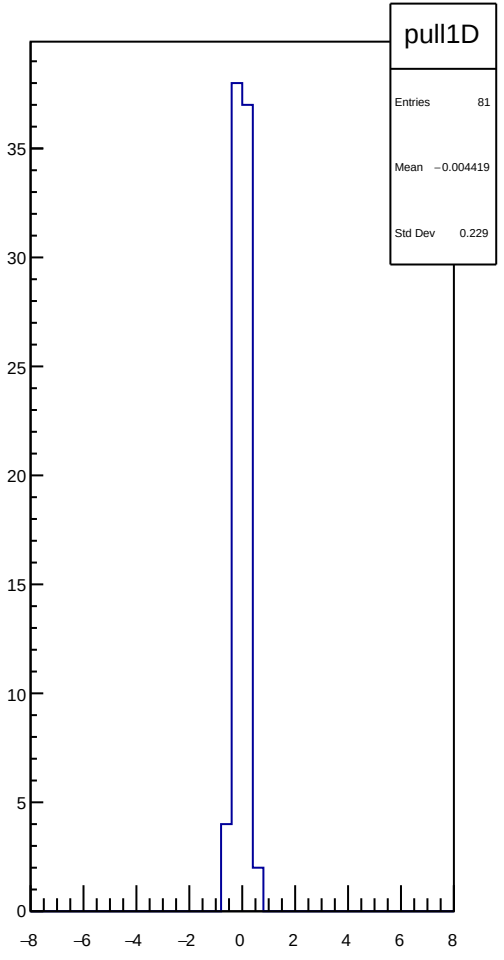

pull1D
Entries 81
Mean 0.03442
Std Dev 0.941

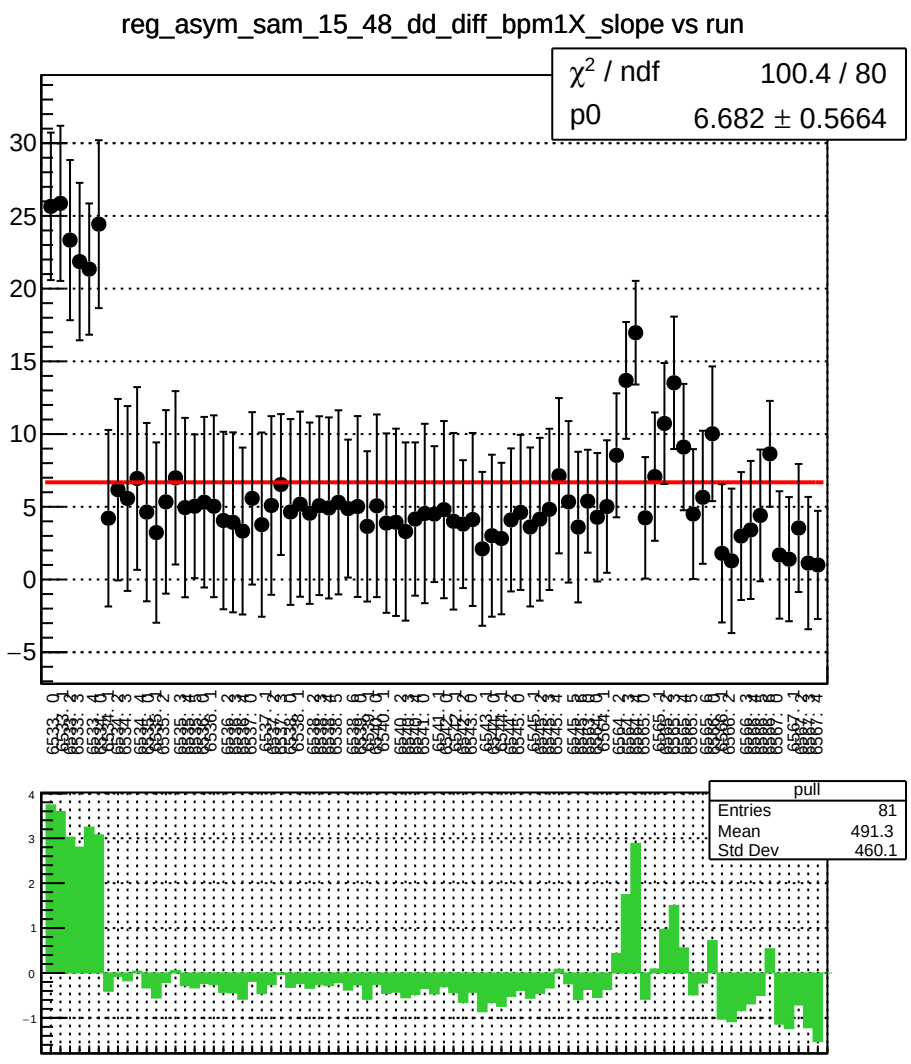

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 97.02 / 80
p0 −7.837 ± 1.359
pull
Entries 81
Mean 28.82
Std Dev 56.58
pull1D
Entries 81
Mean −0.07094
Std Dev 1.092

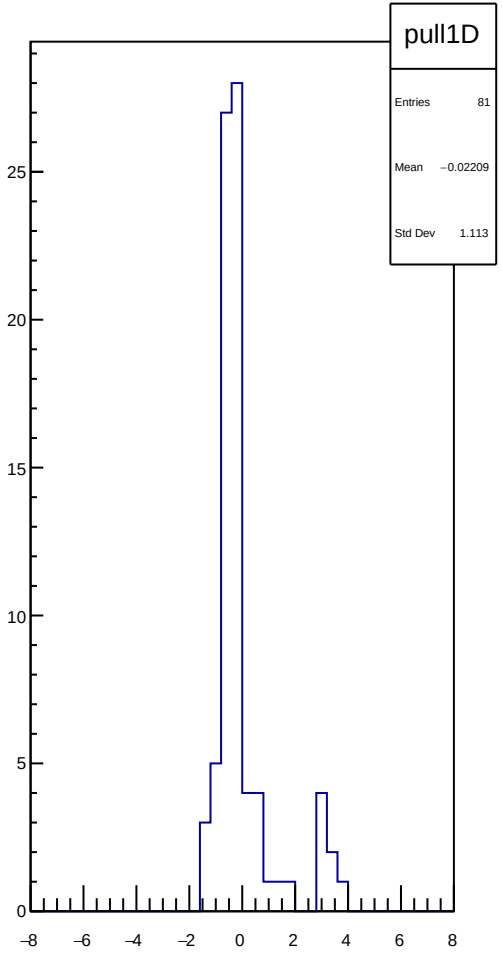

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.83 / 80
p0 −71.23 ± 0.806
pull
Entries 81
Mean −7.132
Std Dev 67.71
pull1D
Entries 81
Mean −0.09979
Std Dev 1.031

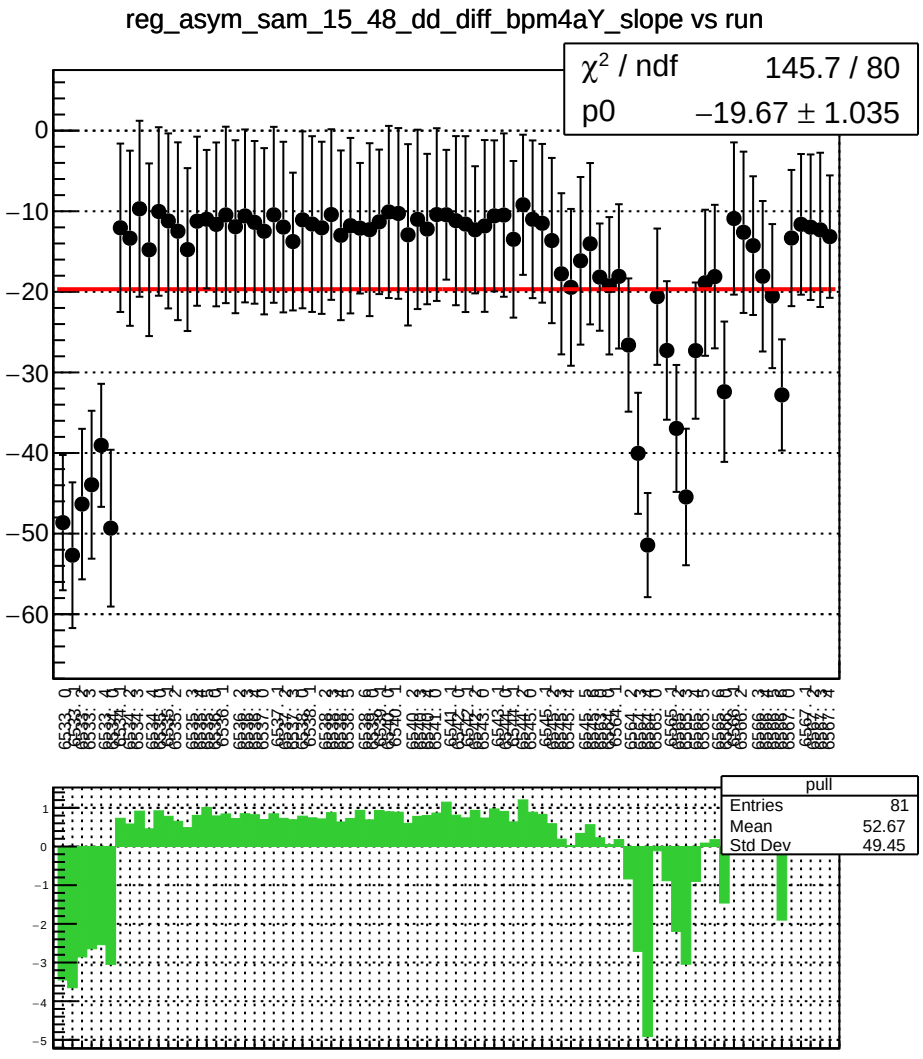

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 92.45 / 80
p0 −8.3 ± 1.309
pull
Entries 81
Mean 45.08
Std Dev 55.65
pull1D
Entries 81
Mean 0.06552
Std Dev 1.066

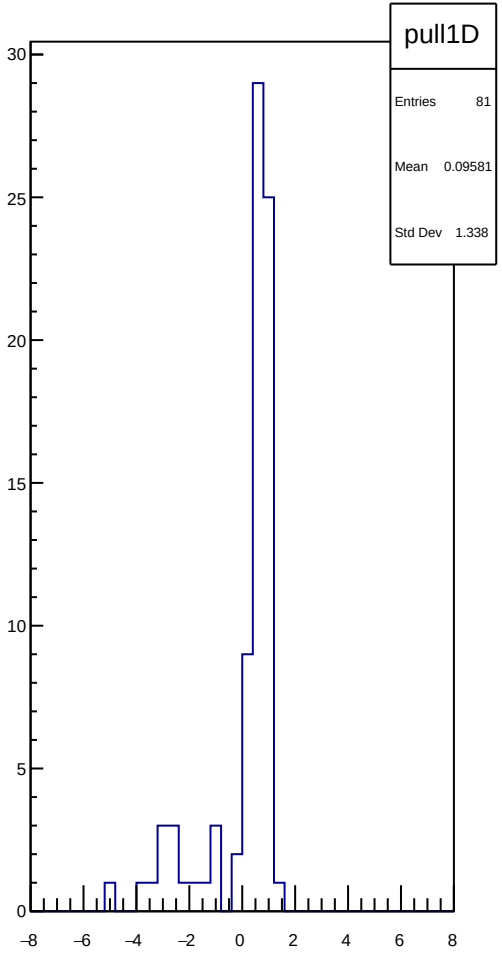

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 4.248 / 80
p0 0.496 ± 0.02864
pull
Entries 81
Mean −479
Std Dev 510.8

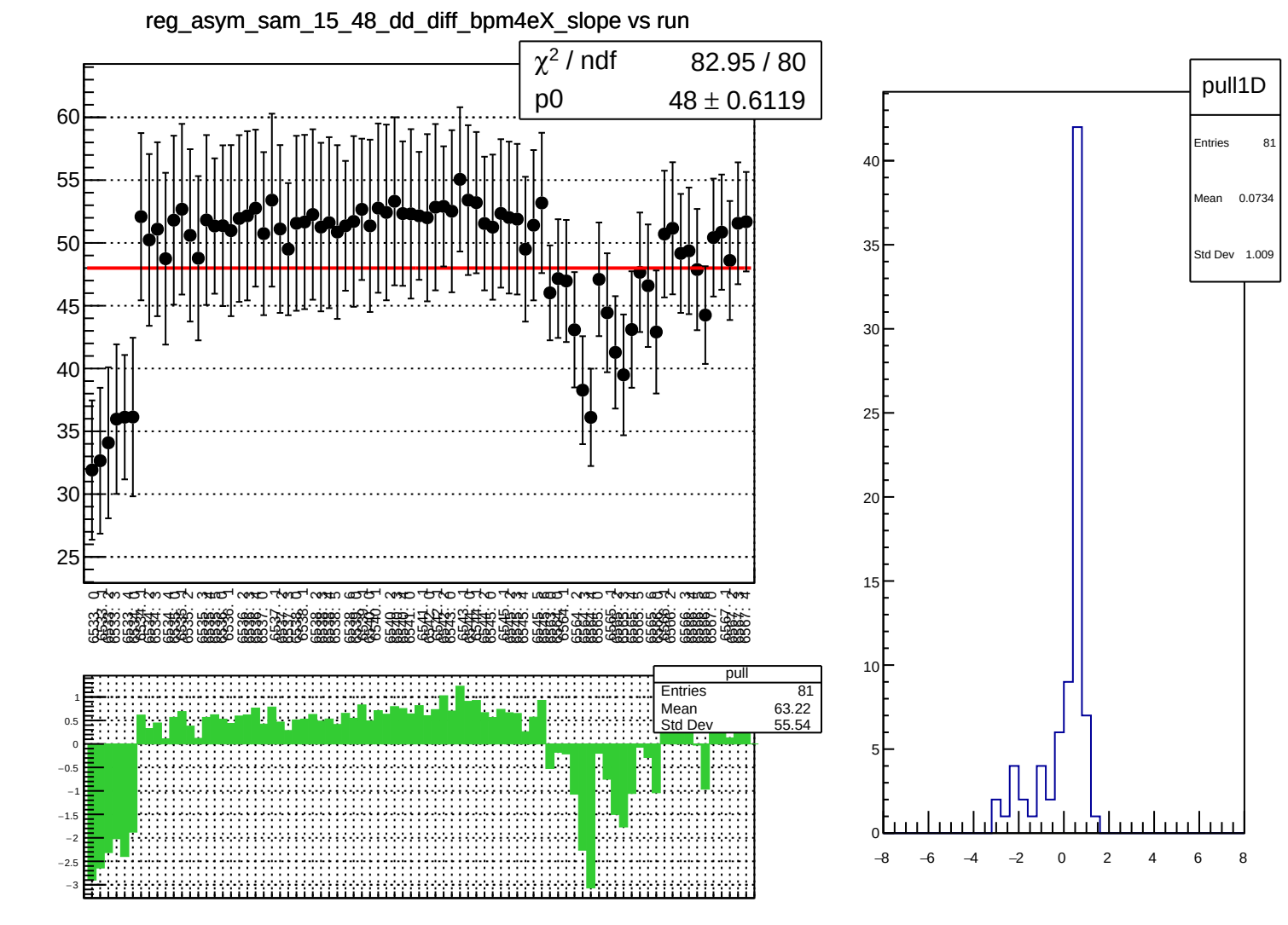

pull1D
Entries 81
Mean −0.004419
Std Dev 0.229

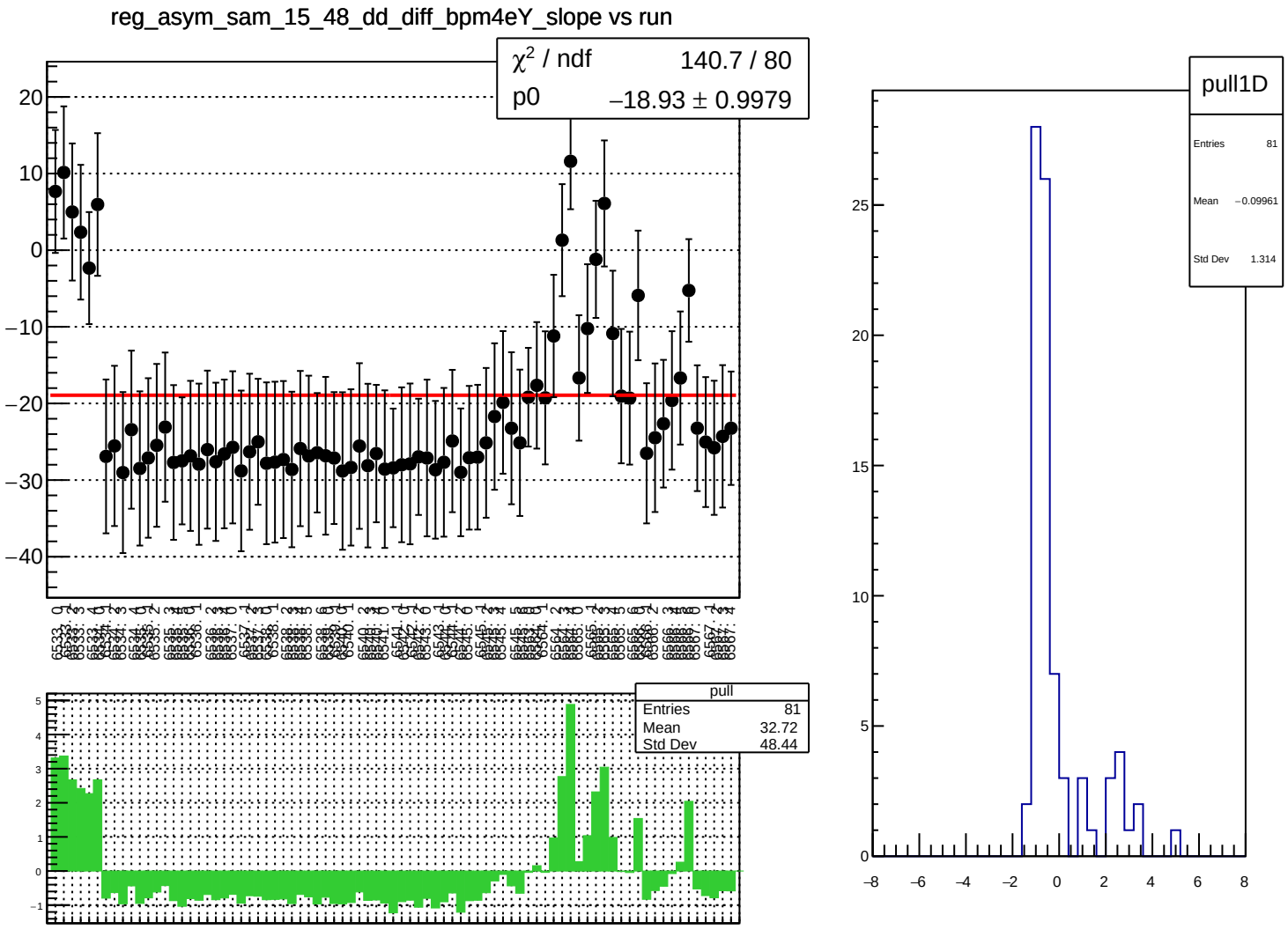

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 100.4 / 80
p0 6.682 ± 0.5664
pull
Entries 81
Mean 491.3
Std Dev 460.1

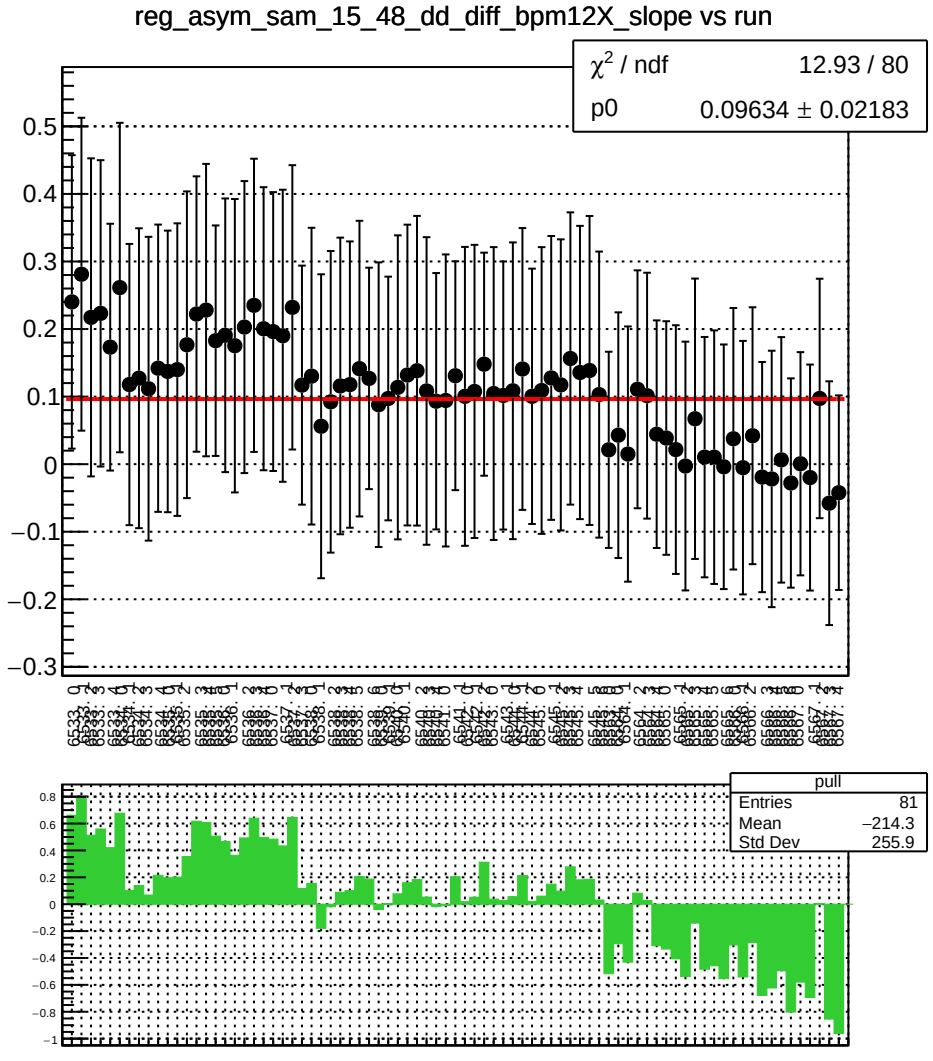

pull1D
Entries 81
Mean −0.02209
Std Dev 1.113

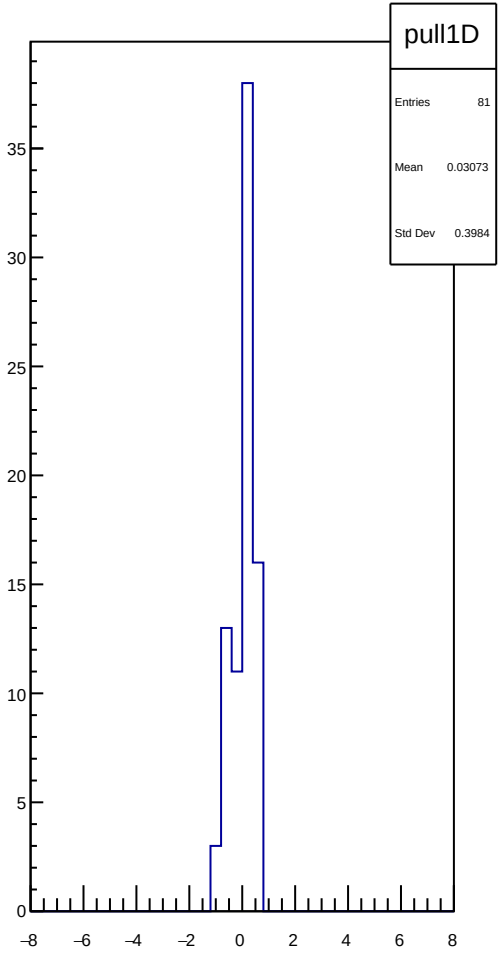

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 145.7 / 80
p0 −19.67 ± 1.035
pull
Entries 81
Mean 52.67
Std Dev 49.45

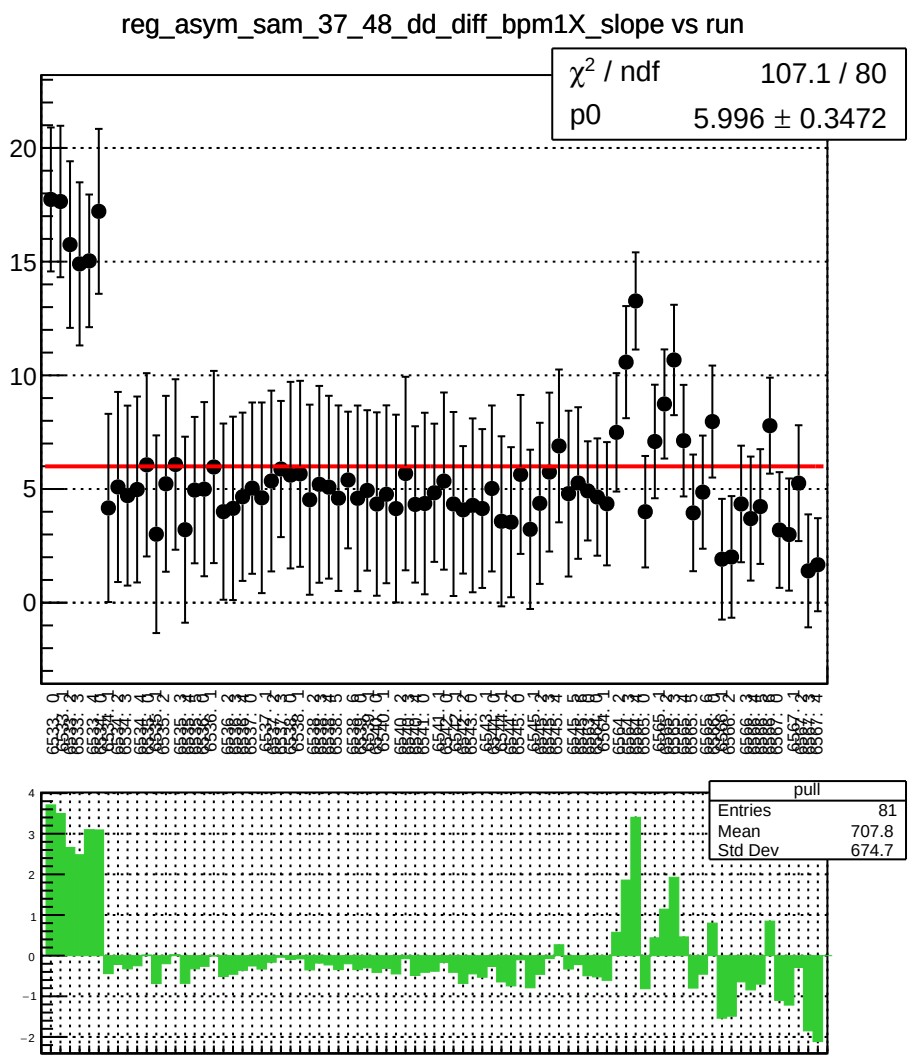

pull1D
Entries 81
Mean 0.09581
Std Dev 1.338

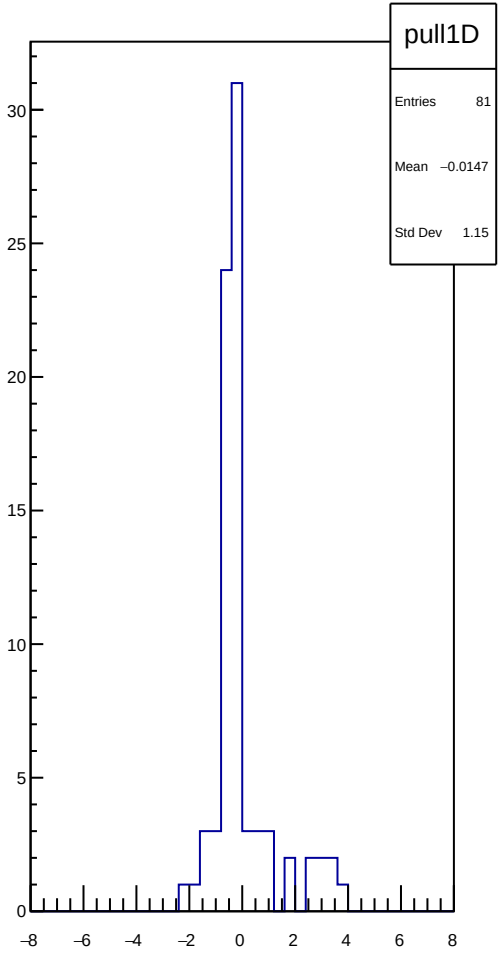

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.95 / 80
p0 48 ± 0.6119
pull
Entries 81
Mean 63.22
Std Dev 55.54
pull1D
Entries 81
Mean 0.0734
Std Dev 1.009

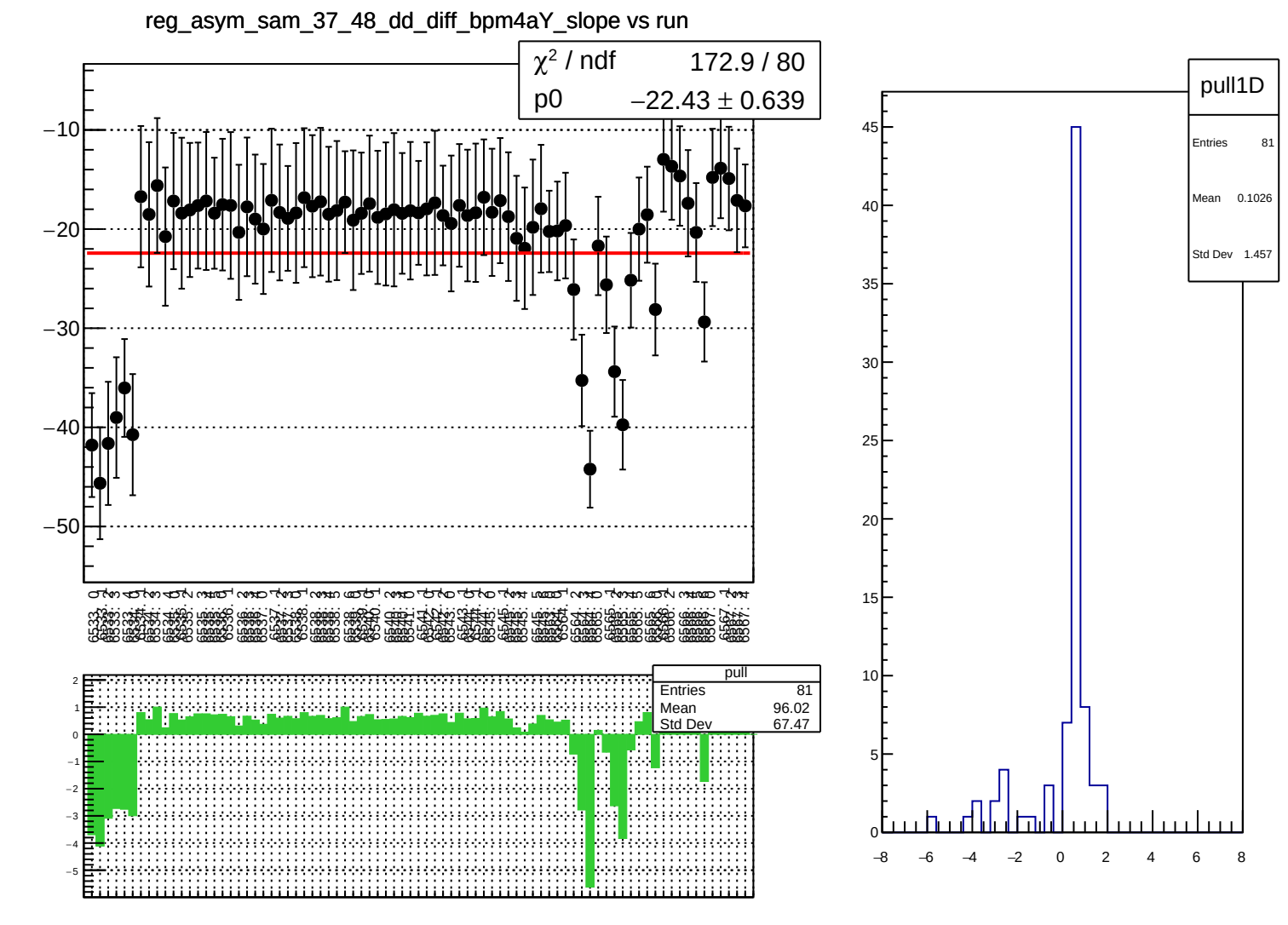

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 140.7 / 80
p0 −18.93 ± 0.9979
pull
Entries 81
Mean 32.72
Std Dev 48.44
pull1D
Entries 81
Mean −0.09961
Std Dev 1.314

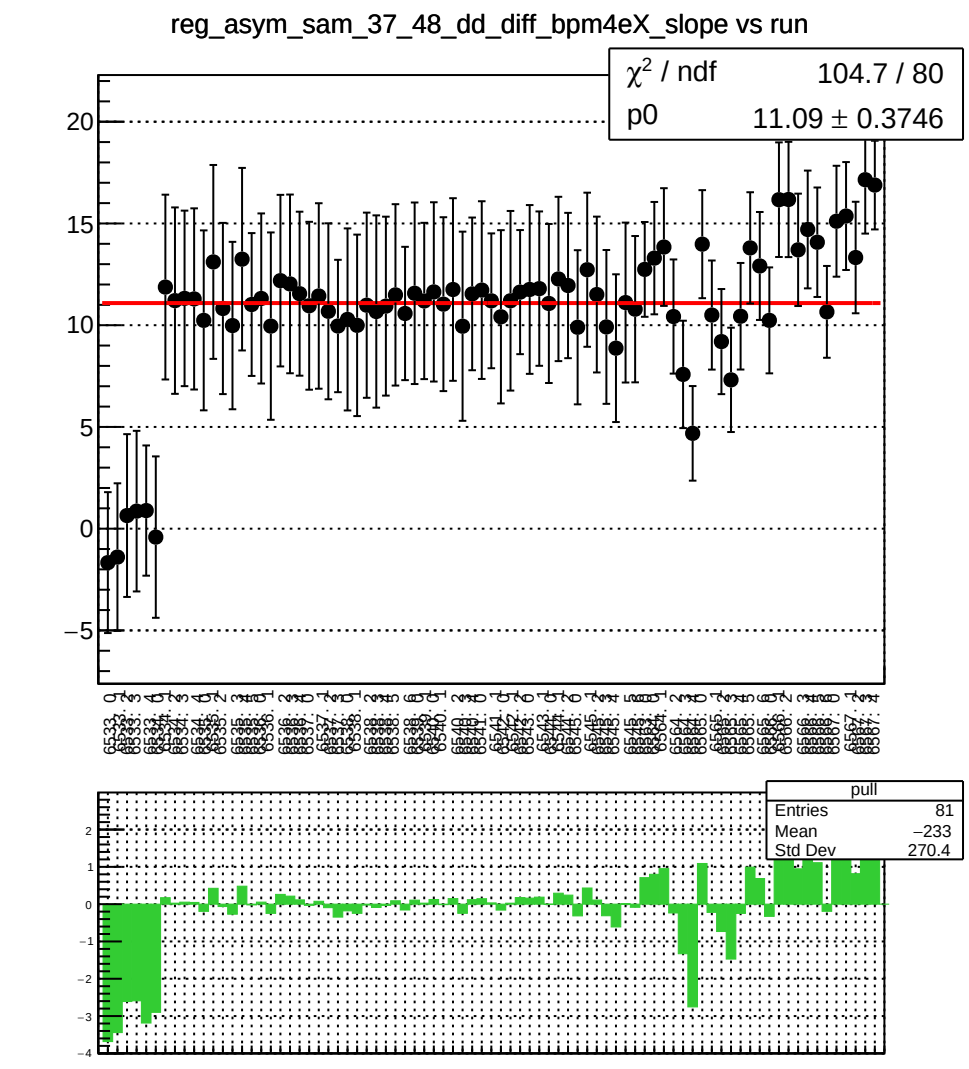

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 12.93 / 80
p0 0.09634 ± 0.02183
pull
Entries 81
Mean −214.3
Std Dev 255.9

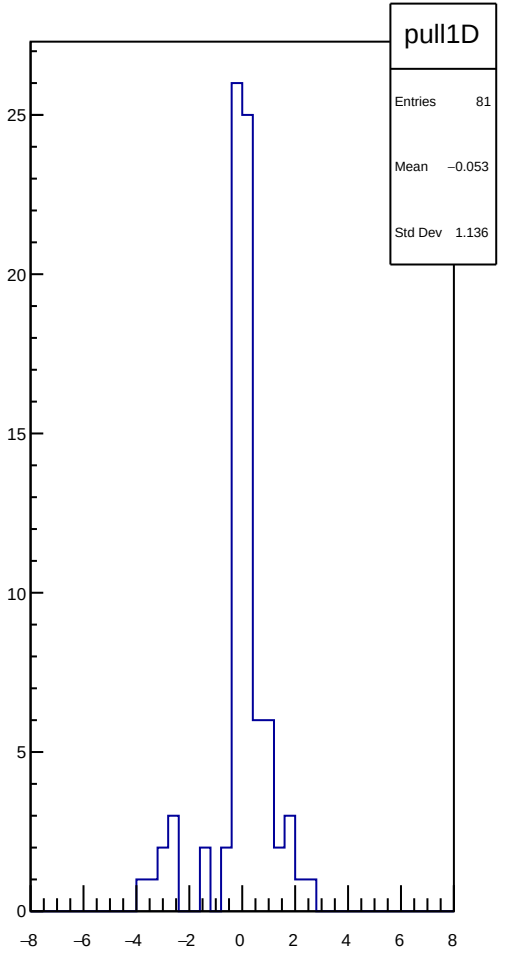

pull1D
Entries 81
Mean 0.03073
Std Dev 0.3984

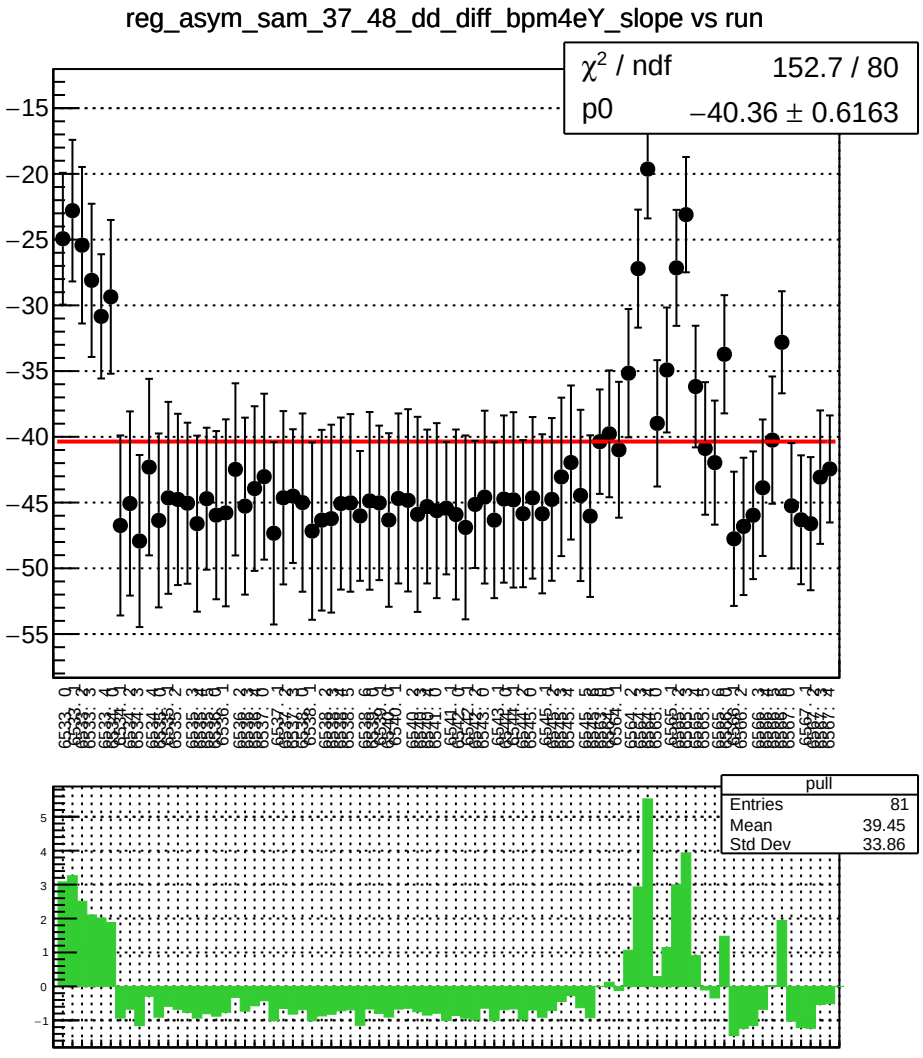

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 107.1 / 80
p0 5.996 ± 0.3472
pull
Entries 81
Mean 707.8
Std Dev 674.7

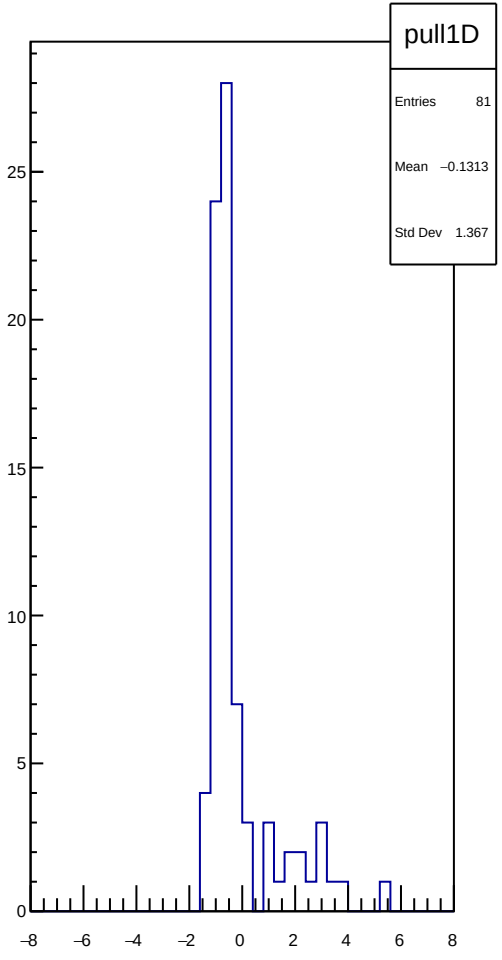

pull1D
Entries 81
Mean −0.0147
Std Dev 1.15

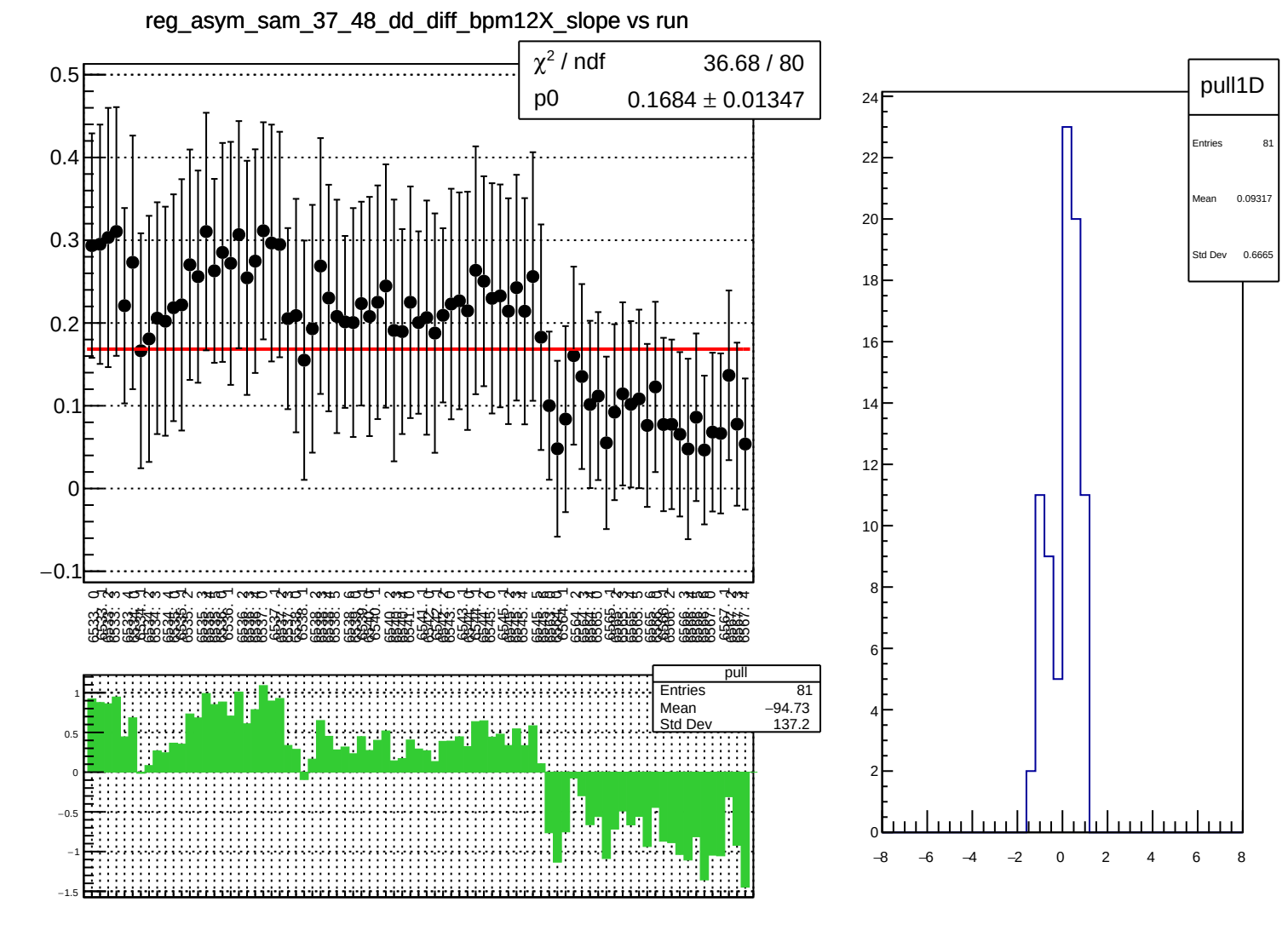

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 172.9 / 80
p0 −22.43 ± 0.639
pull
Entries 81
Mean 96.02
Std Dev 67.47
pull1D
Entries 81
Mean 0.1026
Std Dev 1.457

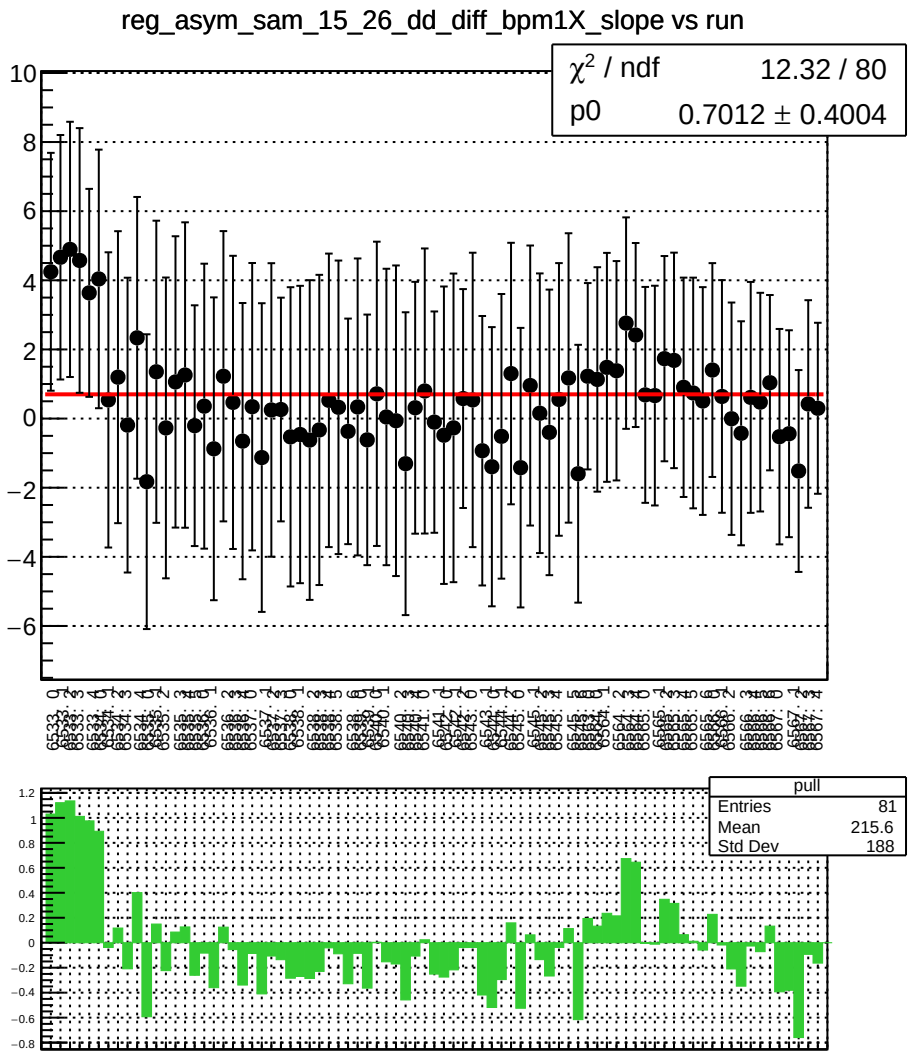

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 104.7 / 80
p0 11.09 ± 0.3746
pull
Entries 81
Mean −233
Std Dev 270.4

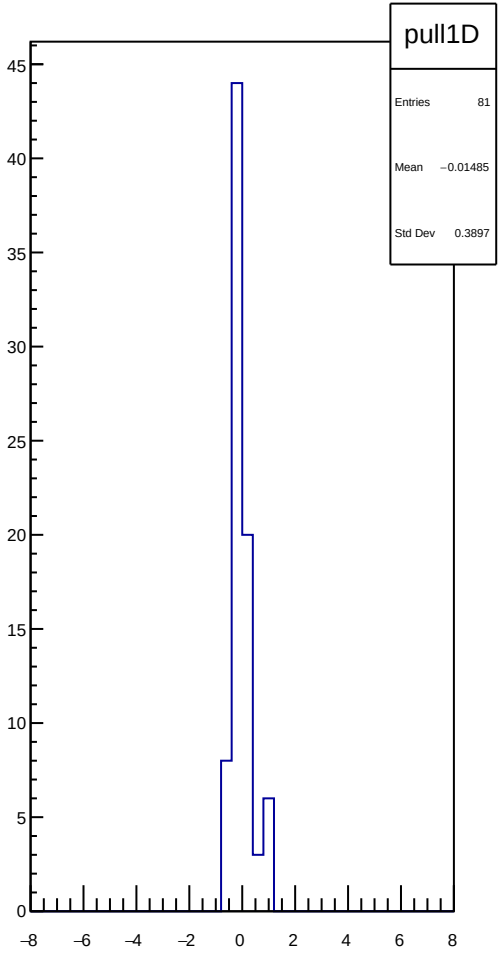

pull1D
Entries 81
Mean −0.053
Std Dev 1.136

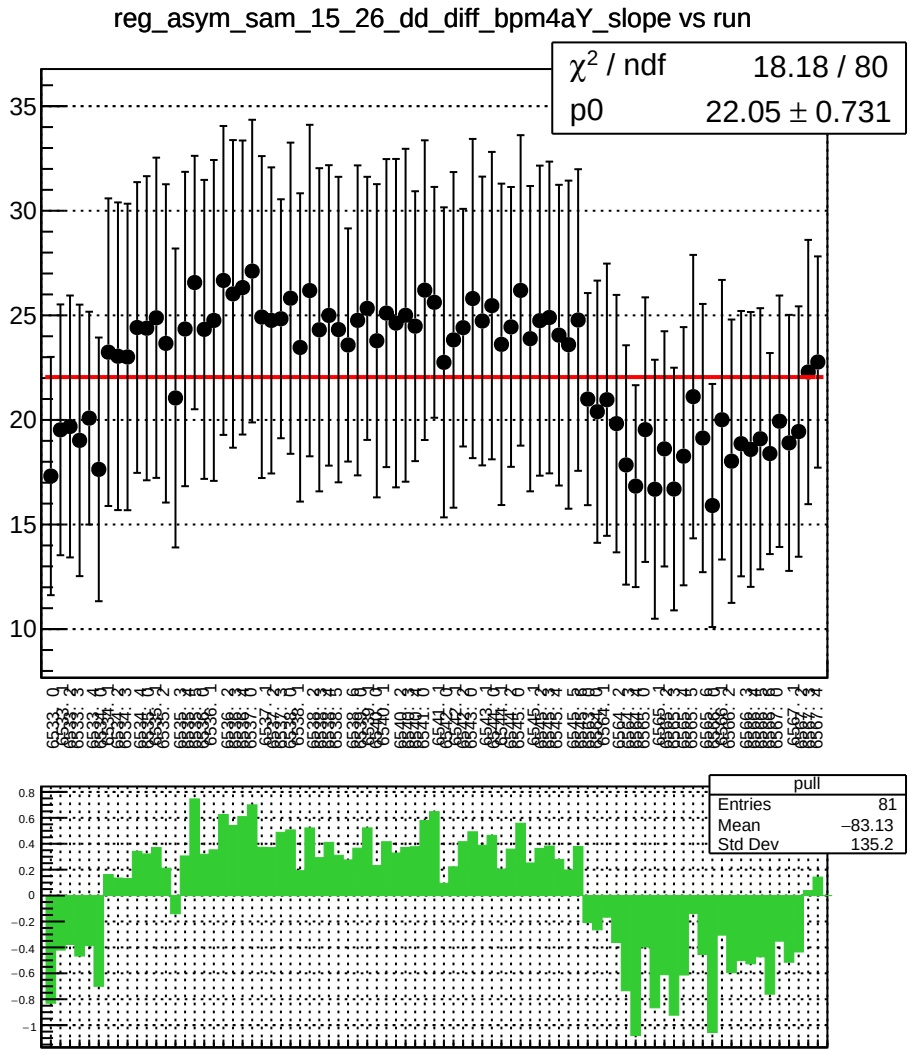

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 152.7 / 80
p0 −40.36 ± 0.6163
pull
Entries 81
Mean 39.45
Std Dev 33.86

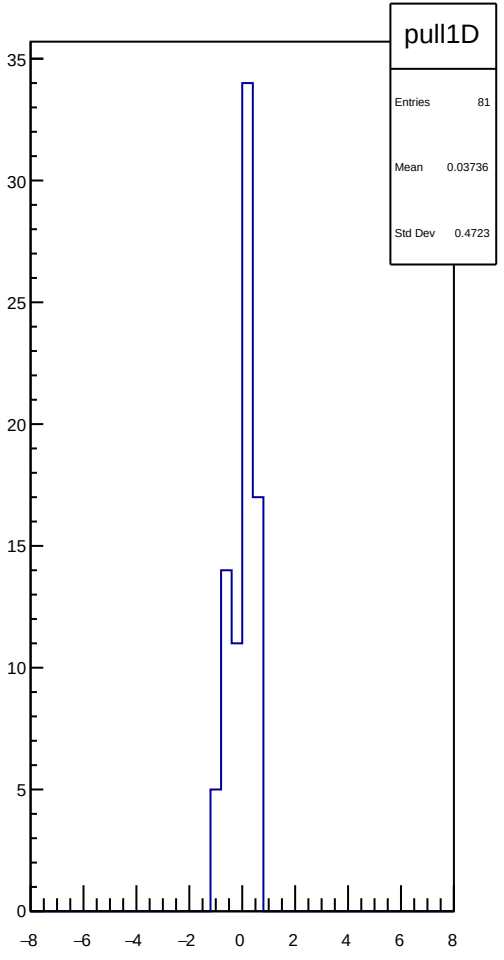

pull1D
Entries 81
Mean −0.1313
Std Dev 1.367

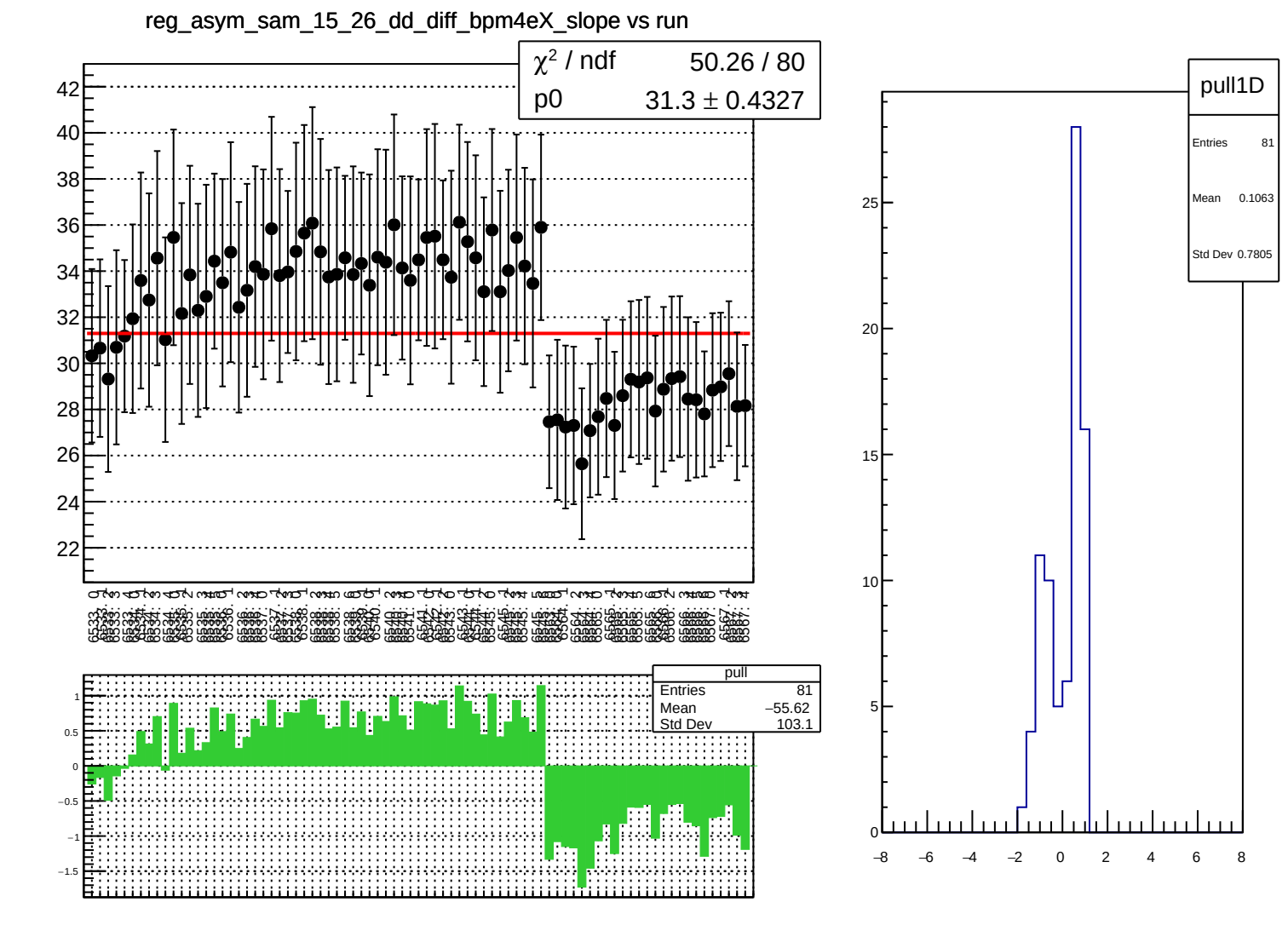

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 36.68 / 80
p0 0.1684 ± 0.01347
pull
Entries 81
Mean −94.73
Std Dev 137.2
pull1D
Entries 81
Mean 0.09317
Std Dev 0.6665

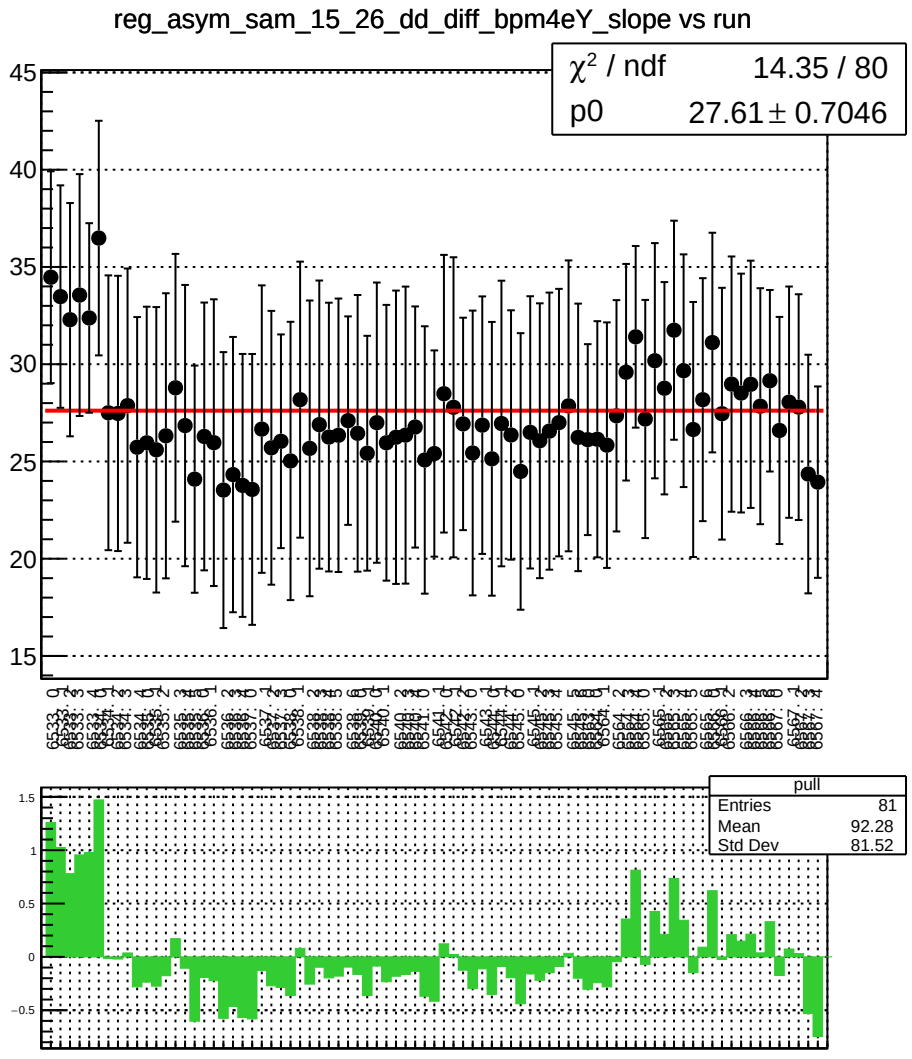

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 12.32 / 80
p0 0.7012 ± 0.4004
pull
Entries 81
Mean 215.6
Std Dev 188

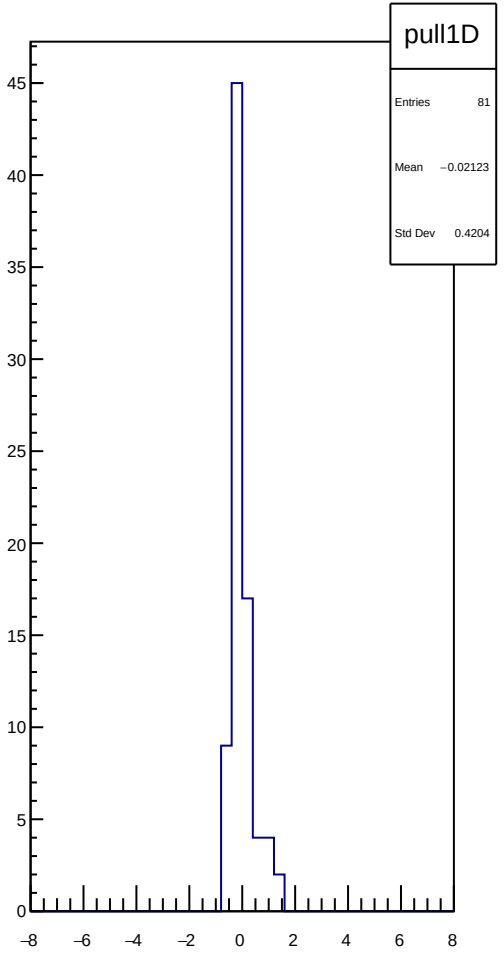

pull1D
Entries 81
Mean −0.01485
Std Dev 0.3897

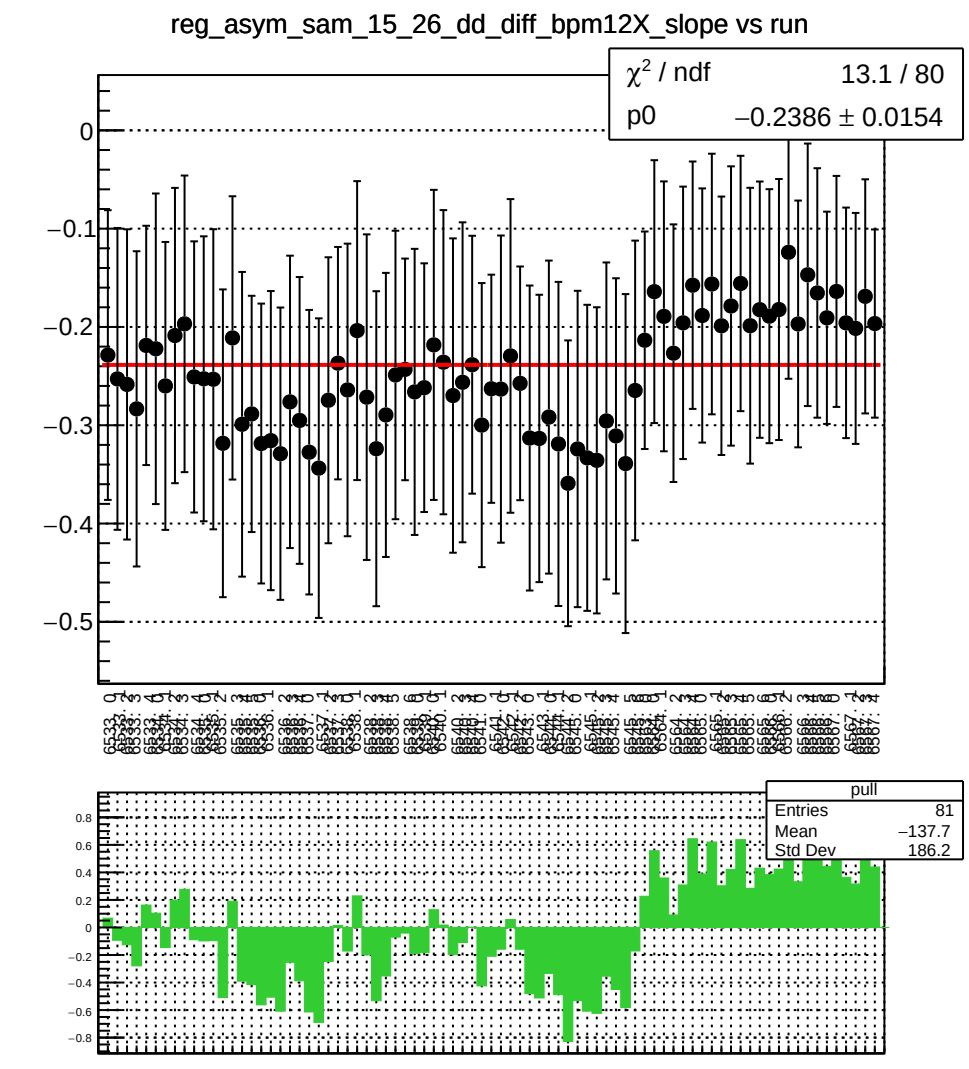

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.18 / 80
p0 22.05 ± 0.731
pull
Entries 81
Mean −83.13
Std Dev 135.2

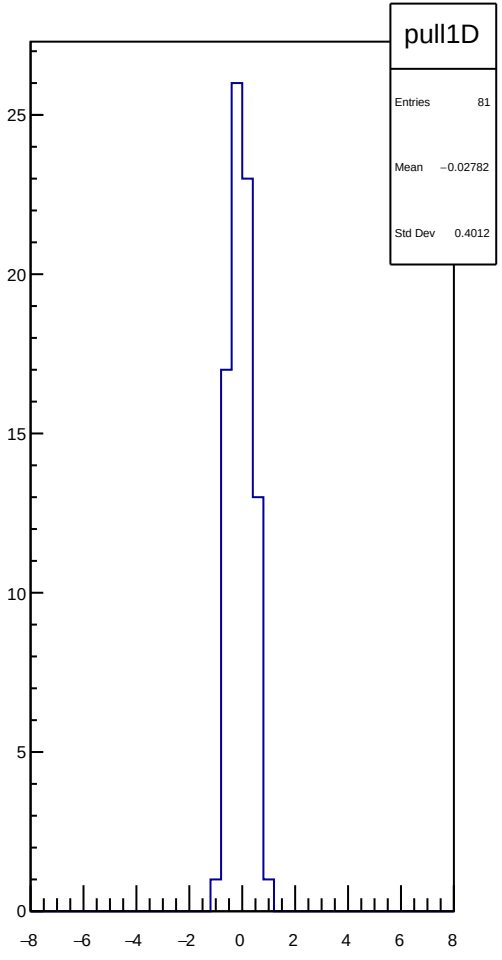

pull1D
Entries 81
Mean 0.03736
Std Dev 0.4723

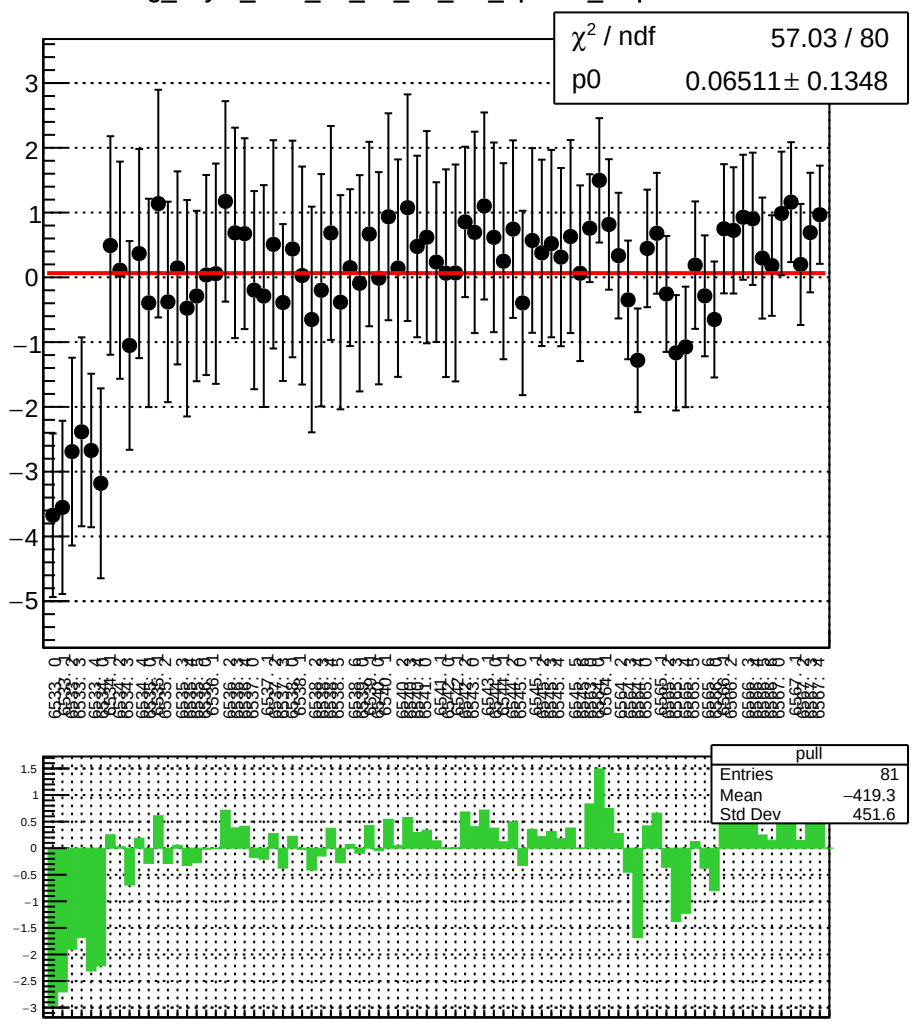

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.26 / 80
p0 31.3 ± 0.4327
pull
Entries 81
Mean −55.62
Std Dev 103.1
pull1D
Entries 81
Mean 0.1063
Std Dev 0.7805

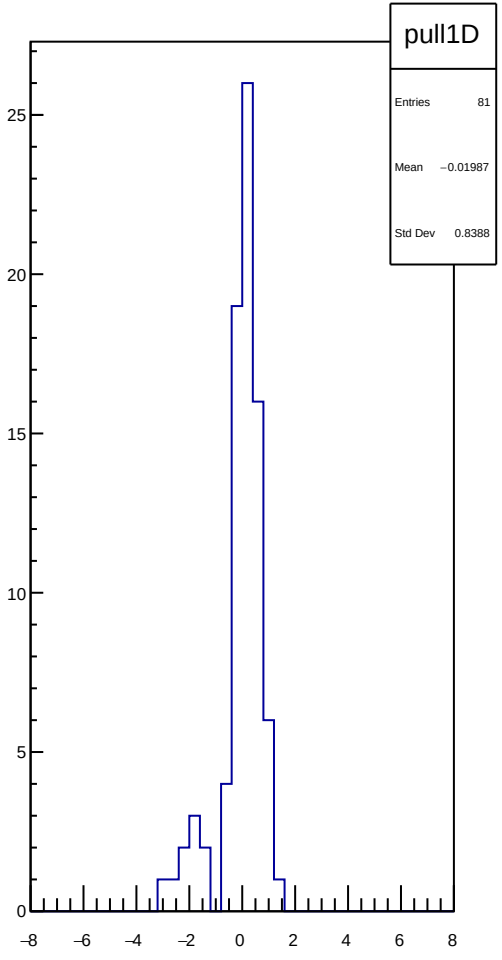

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.35 / 80
p0 27.61 ± 0.7046
pull
Entries 81
Mean 92.28
Std Dev 81.52

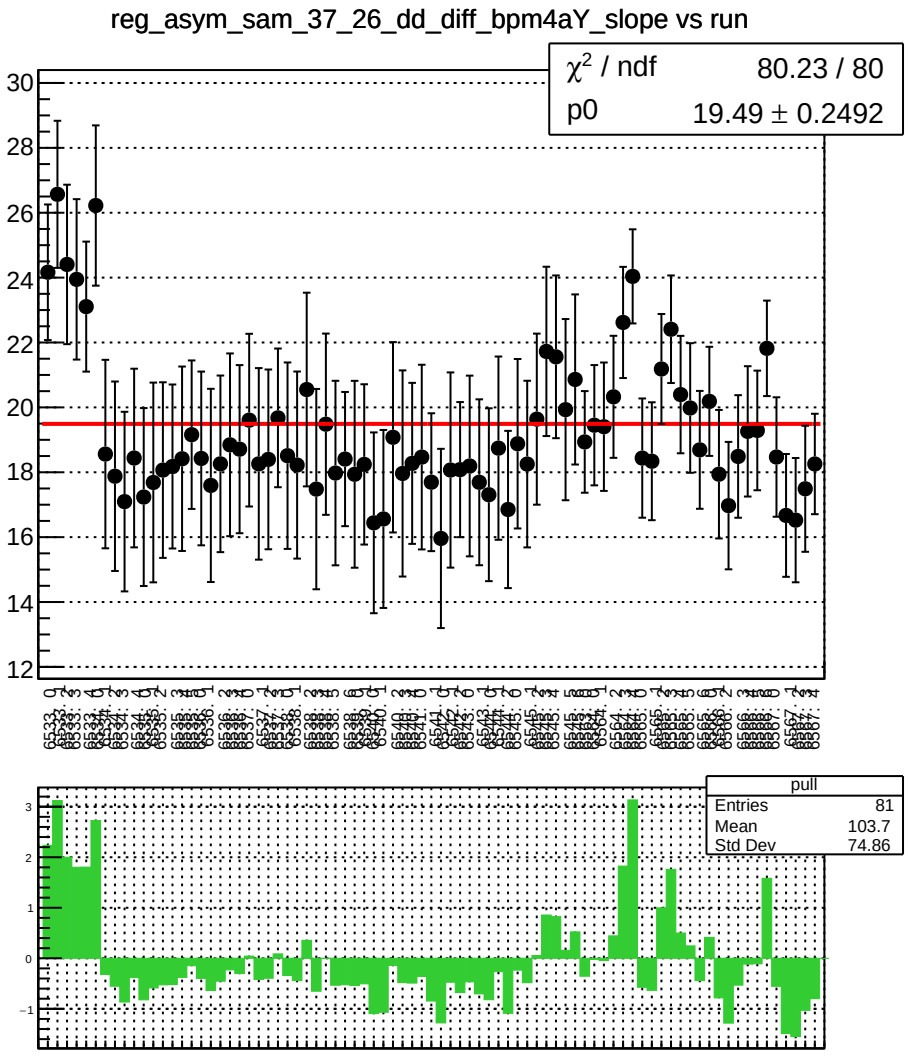

pull1D
Entries 81
Mean −0.02123
Std Dev 0.4204

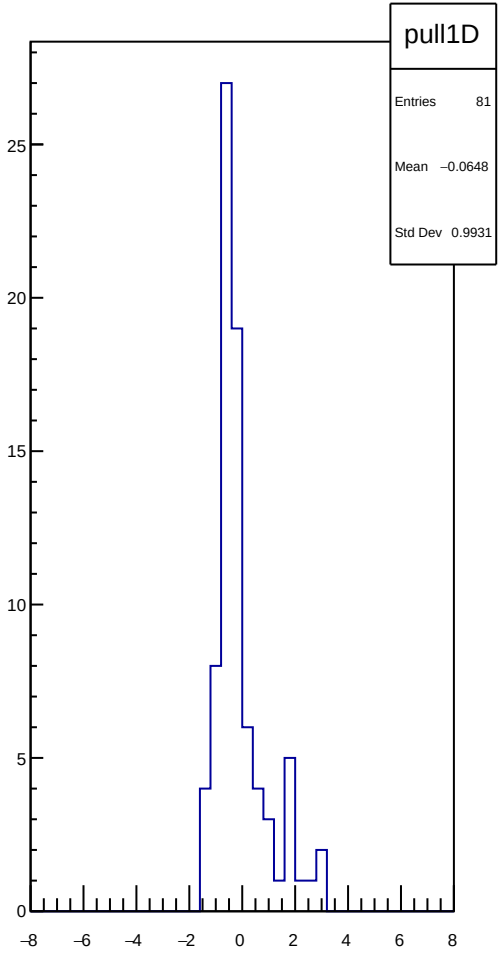

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 13.1 / 80
p0 −0.2386 ± 0.0154
pull
Entries 81
Mean −137.7
Std Dev 186.2

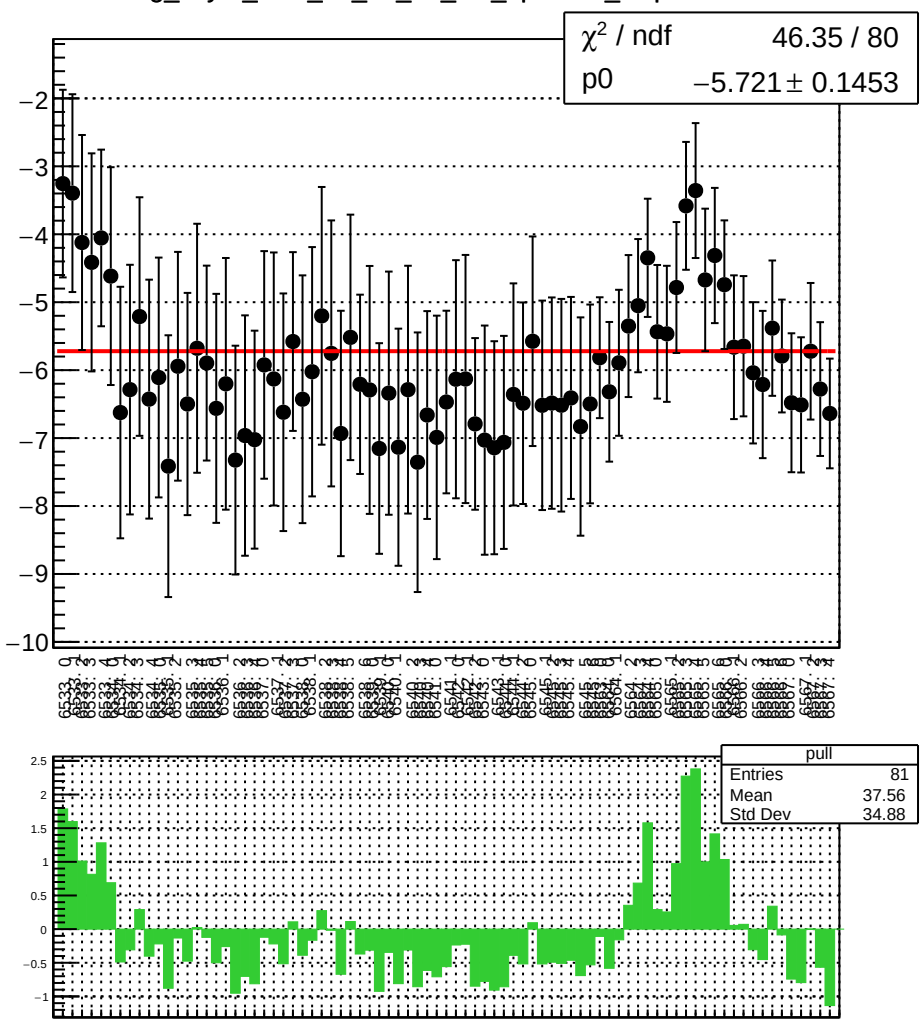

pull1D
Entries 81
Mean −0.02782
Std Dev 0.4012

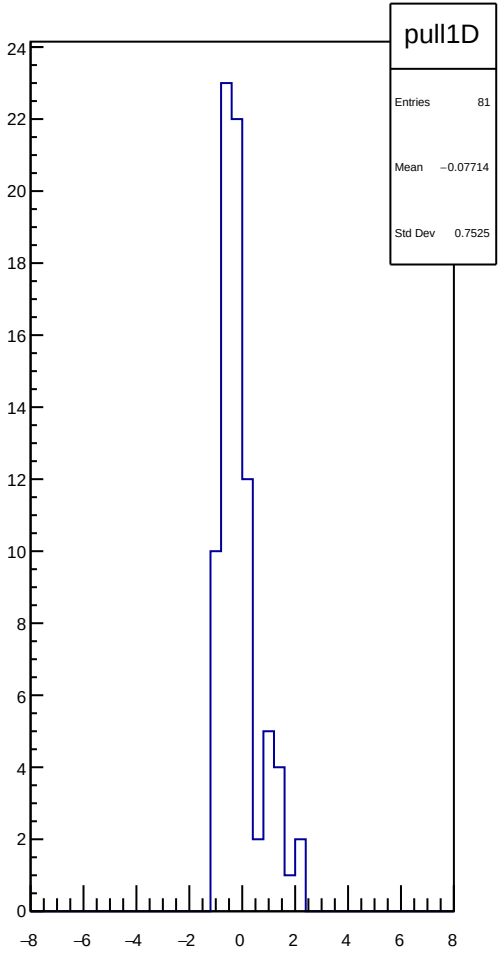

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 57.03 / 80
p0 0.06511 ± 0.1348
pull
Entries 81
Mean −419.3
Std Dev 451.6

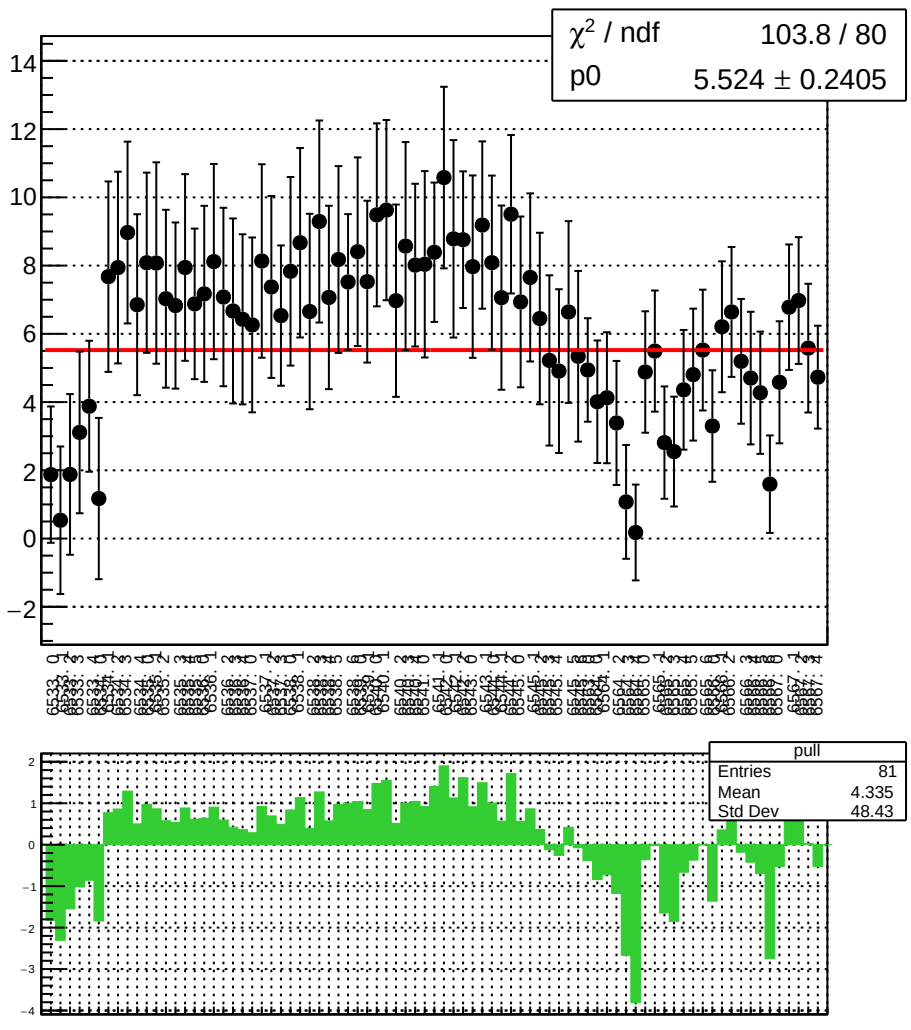

pull1D
Entries 81
Mean −0.01987
Std Dev 0.8388

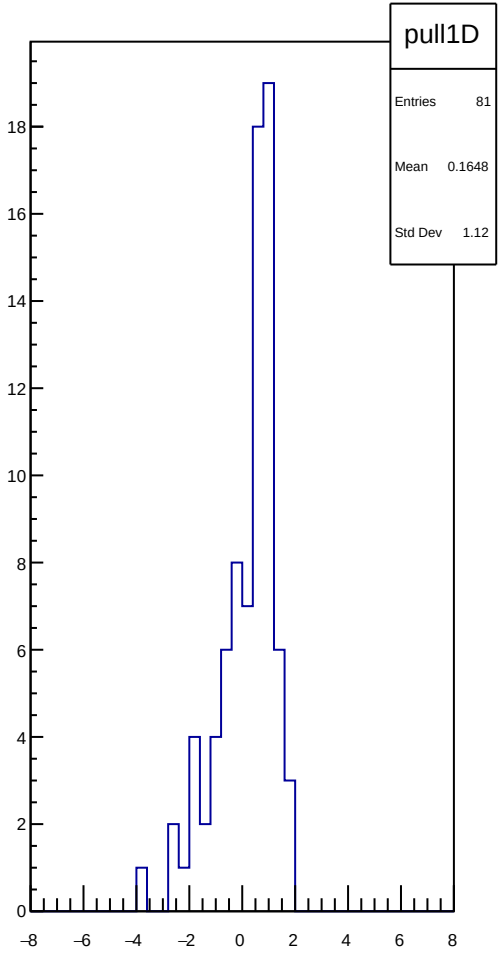

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.23 / 80
p0 19.49 ± 0.2492
pull
Entries 81
Mean 103.7
Std Dev 74.86

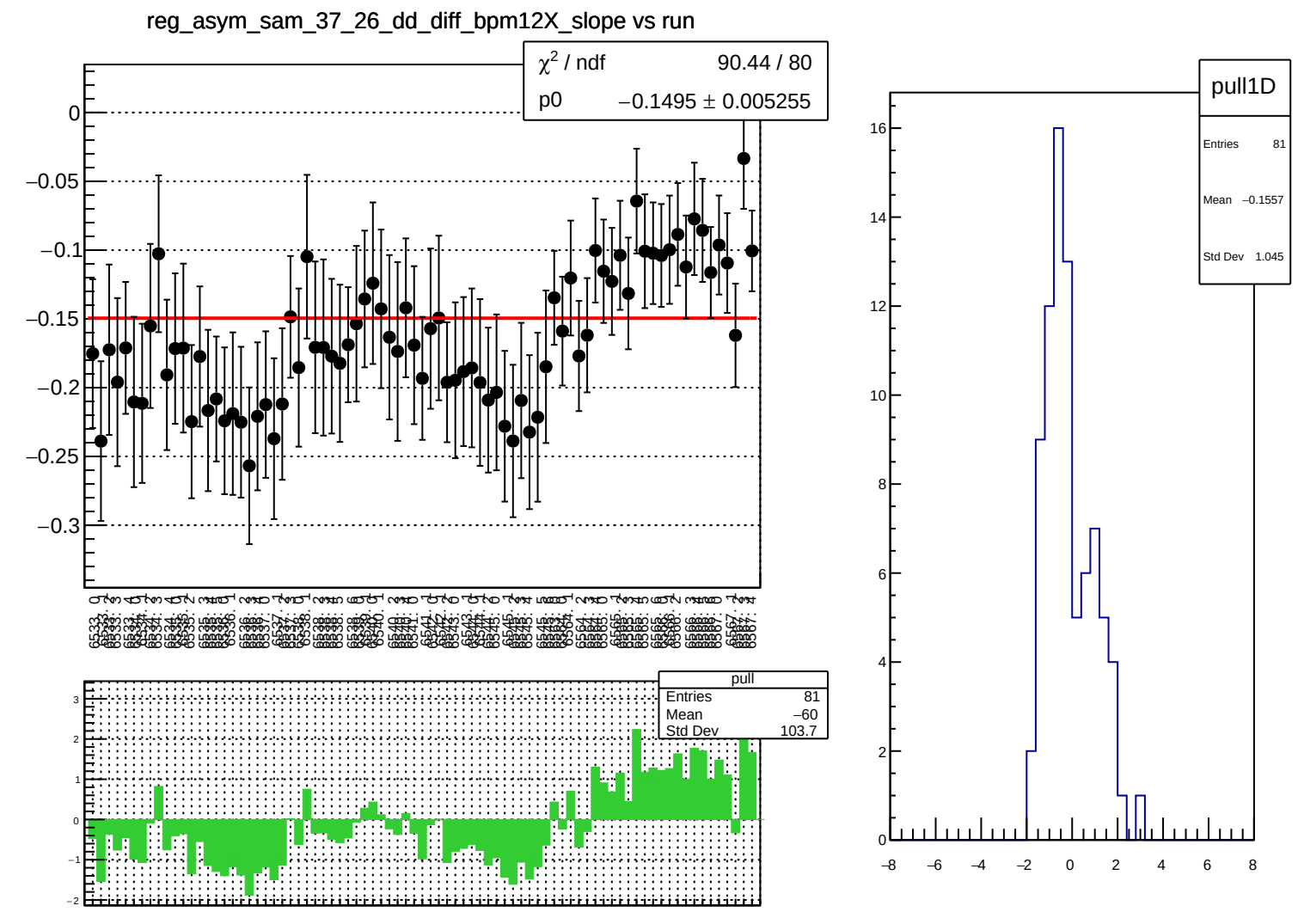

pull1D
Entries 81
Mean −0.0648
Std Dev 0.9931

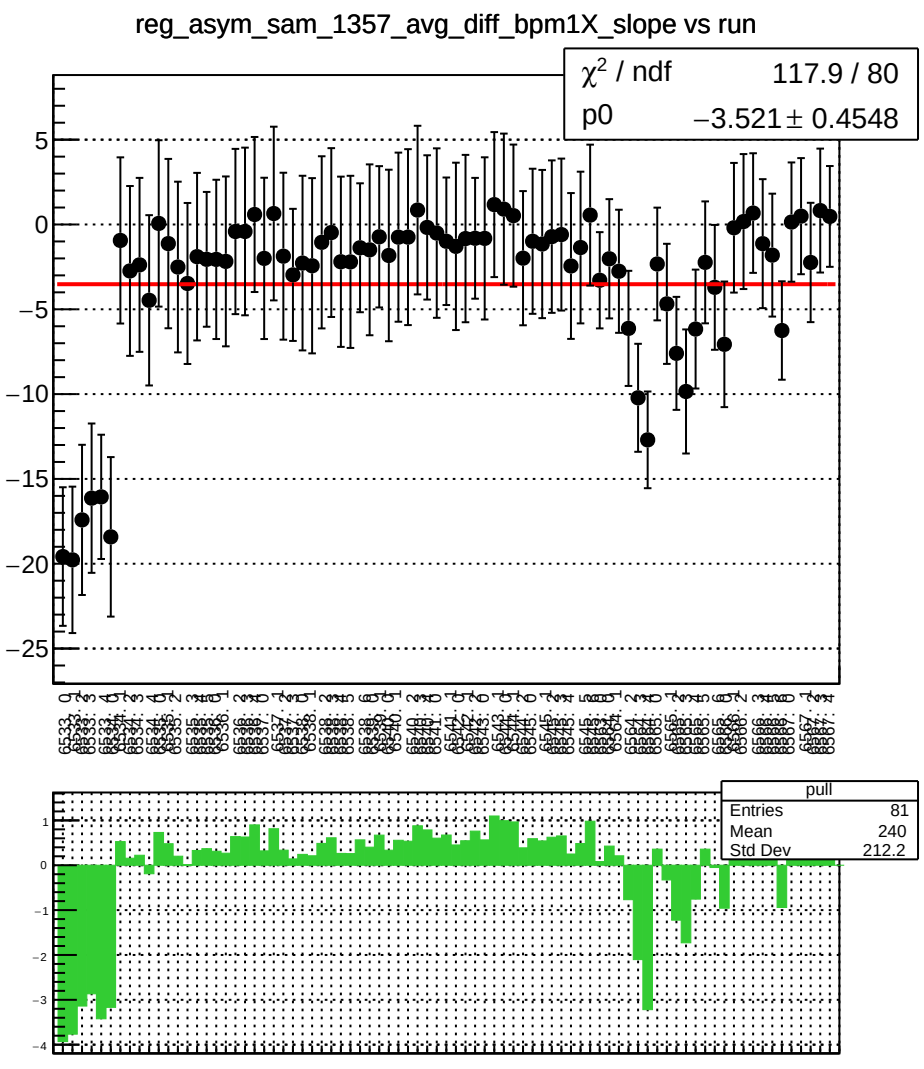

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.35 / 80
p0 −5.721 ± 0.1453
pull
Entries 81
Mean 37.56
Std Dev 34.88

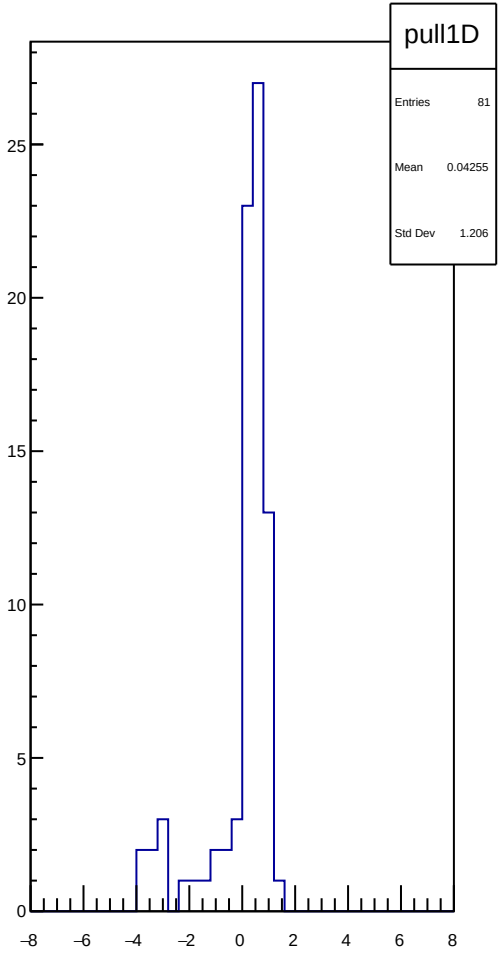

pull1D
Entries 81
Mean −0.07714
Std Dev 0.7525

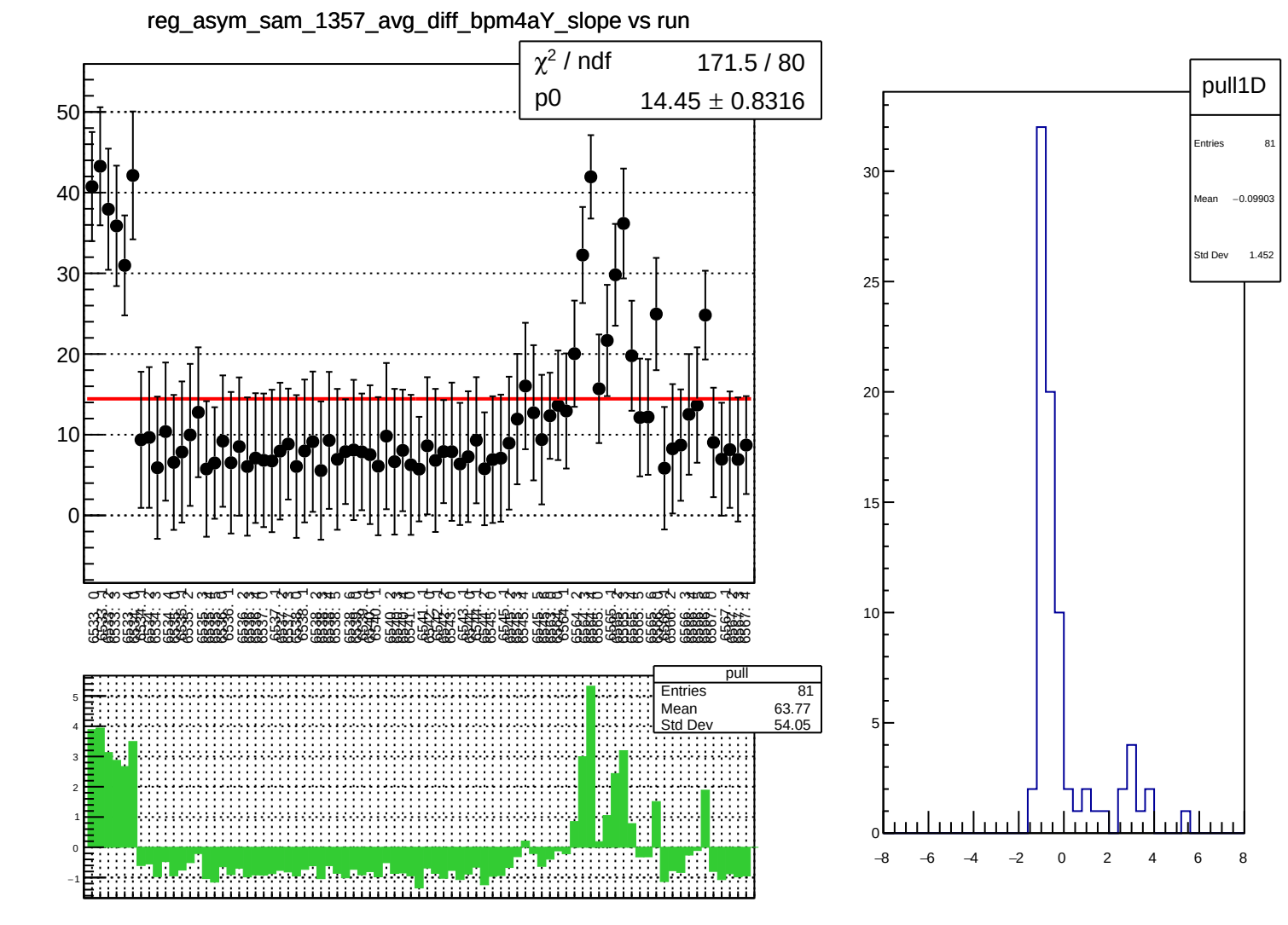

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 103.8 / 80
p0 5.524 ± 0.2405
pull
Entries 81
Mean 4.335
Std Dev 48.43

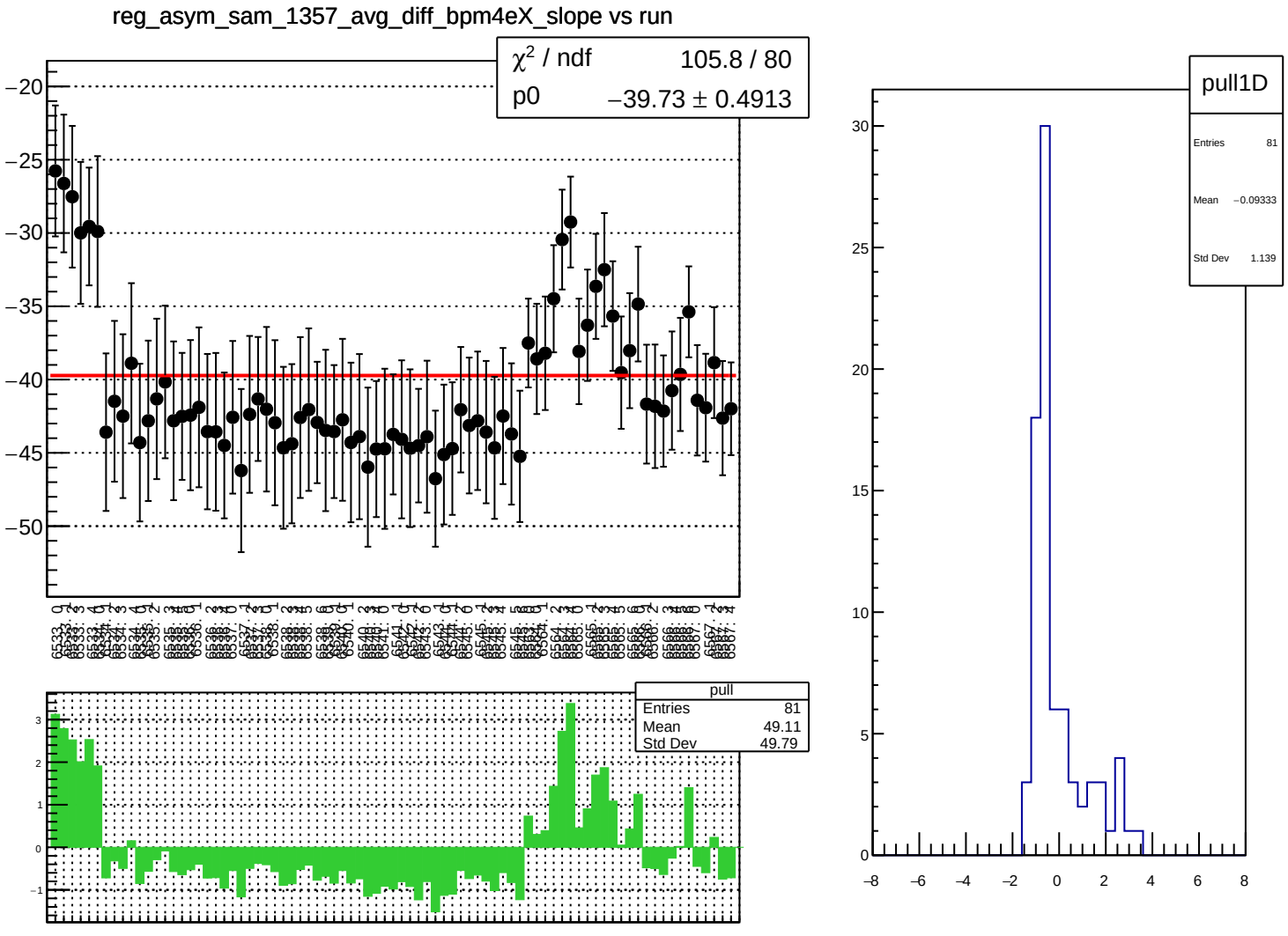

pull1D
Entries 81
Mean 0.1648
Std Dev 1.12

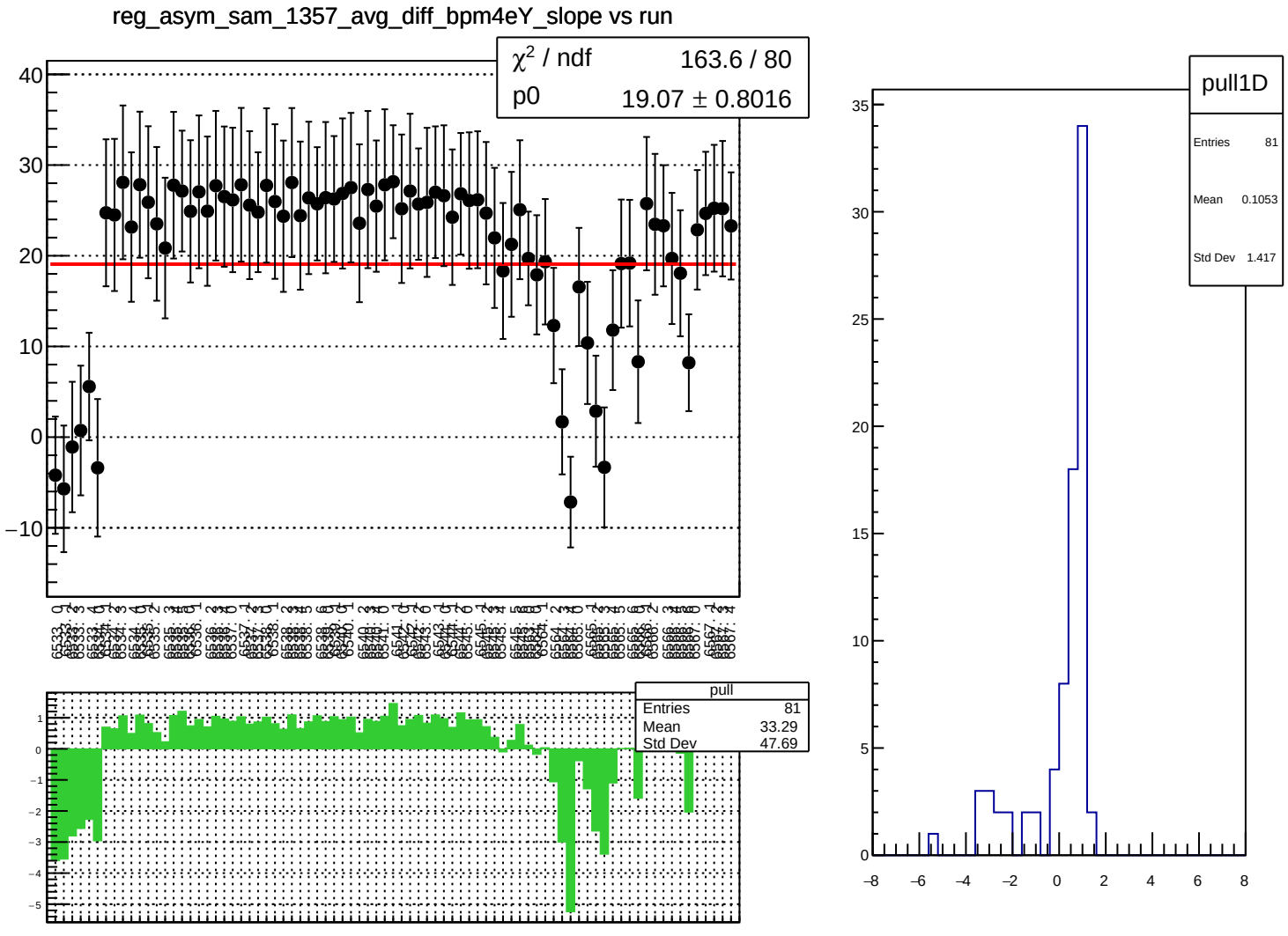

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 90.44 / 80
p0 −0.1495 ± 0.005255
pull
Entries 81
Mean −60
Std Dev 103.7
pull1D
Entries 81
Mean −0.1557
Std Dev 1.045

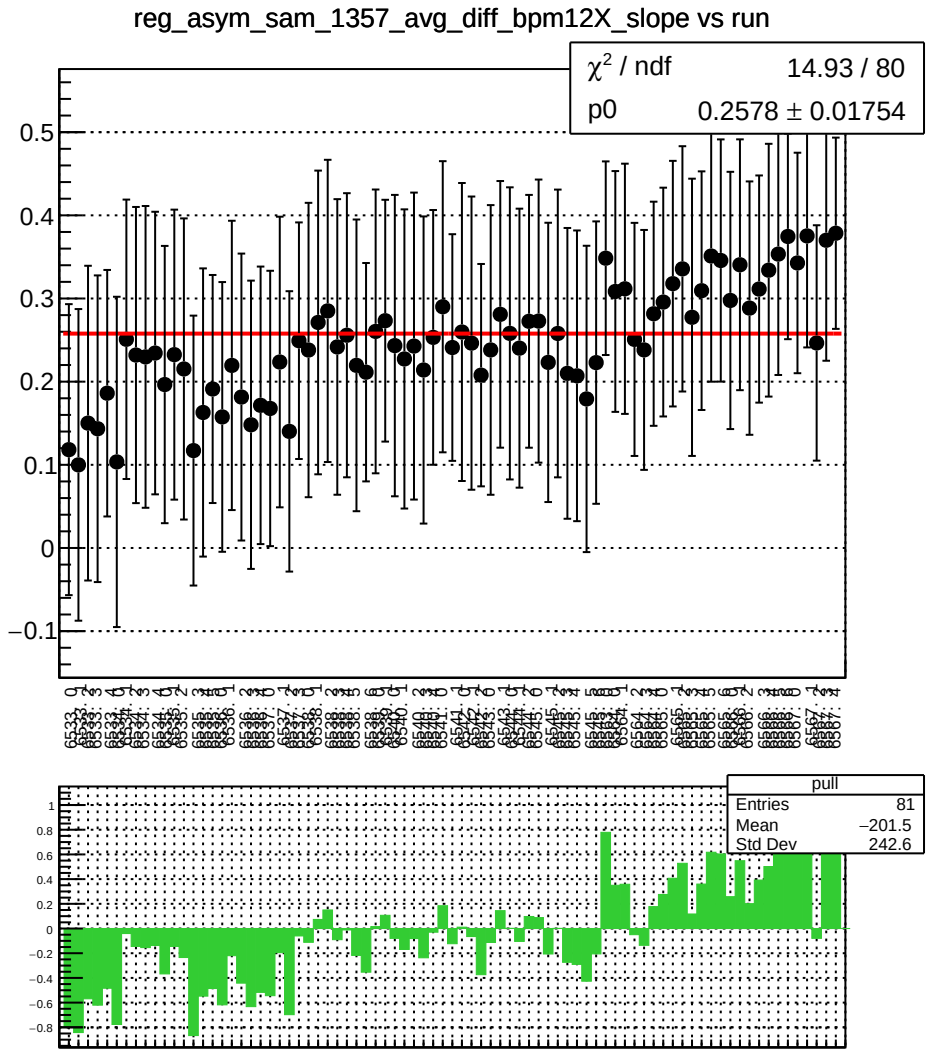

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 117.9 / 80
p0 −3.521 ± 0.4548
pull
Entries 81
Mean 240
Std Dev 212.2

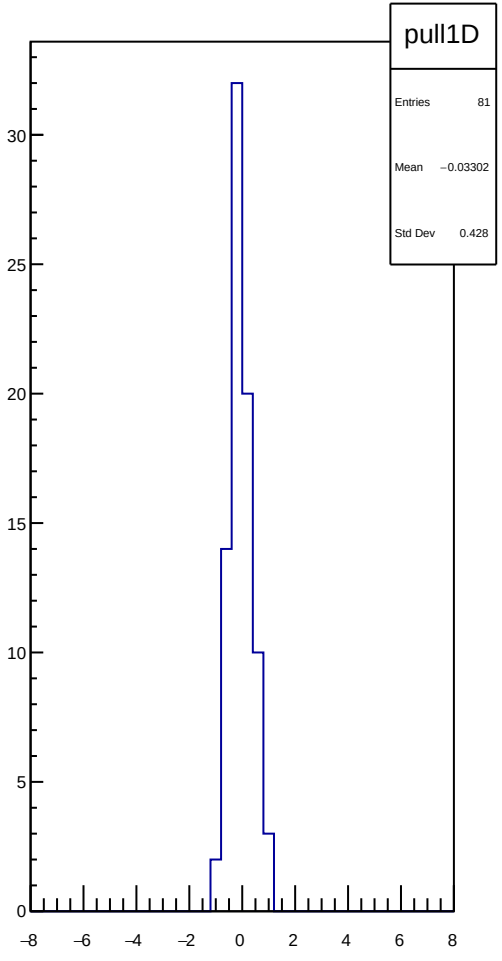

pull1D
Entries 81
Mean 0.04255
Std Dev 1.206

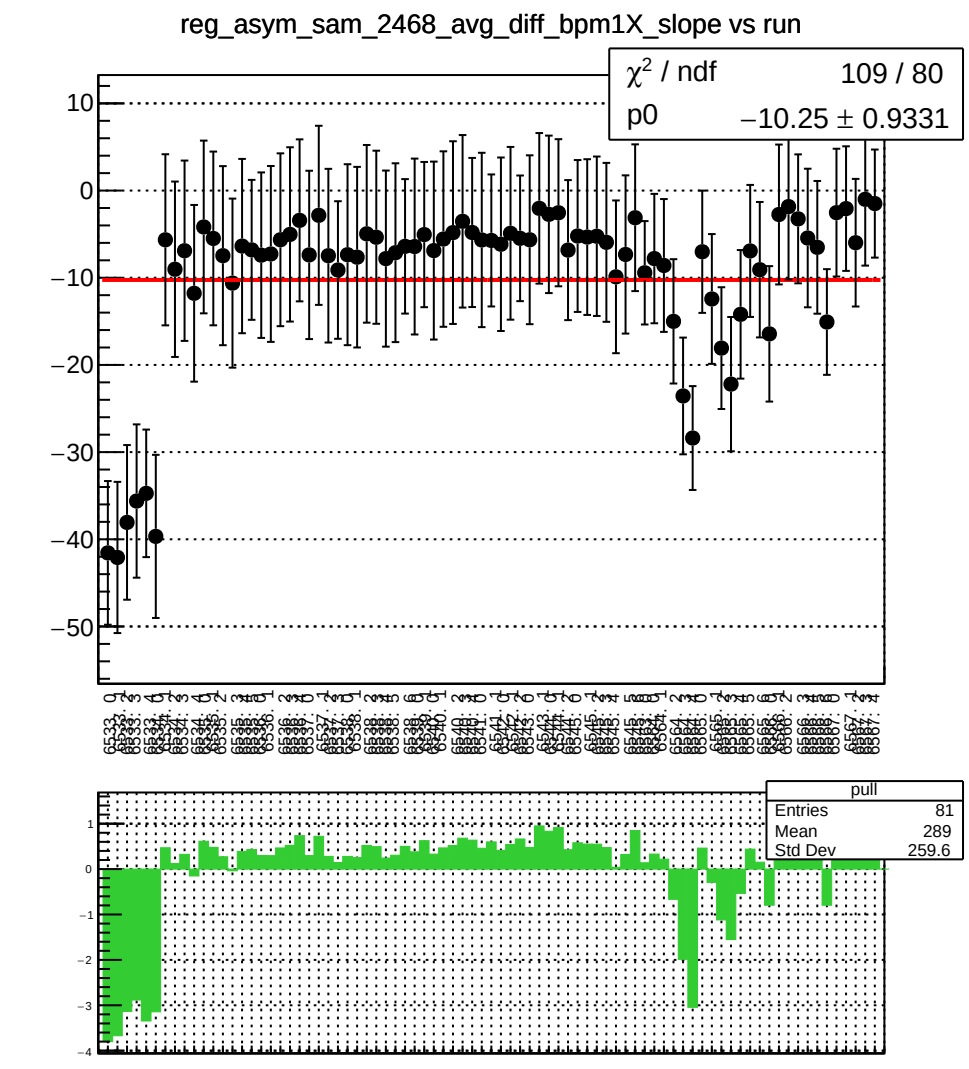

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 171.5 / 80
p0 14.45 ± 0.8316
pull
Entries 81
Mean 63.77
Std Dev 54.05
pull1D
Entries 81
Mean −0.09903
Std Dev 1.452

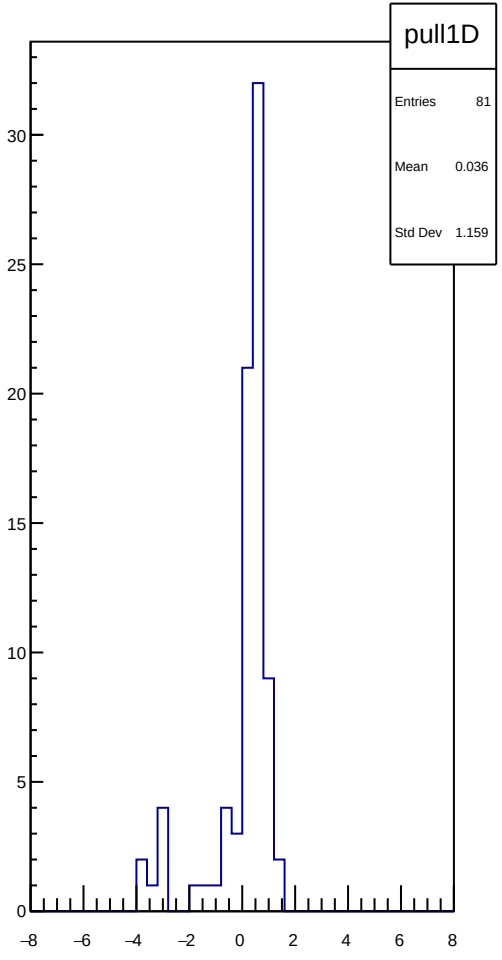

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 105.8 / 80
p0 −39.73 ± 0.4913
pull
Entries 81
Mean 49.11
Std Dev 49.79
pull1D
Entries 81
Mean −0.09333
Std Dev 1.139

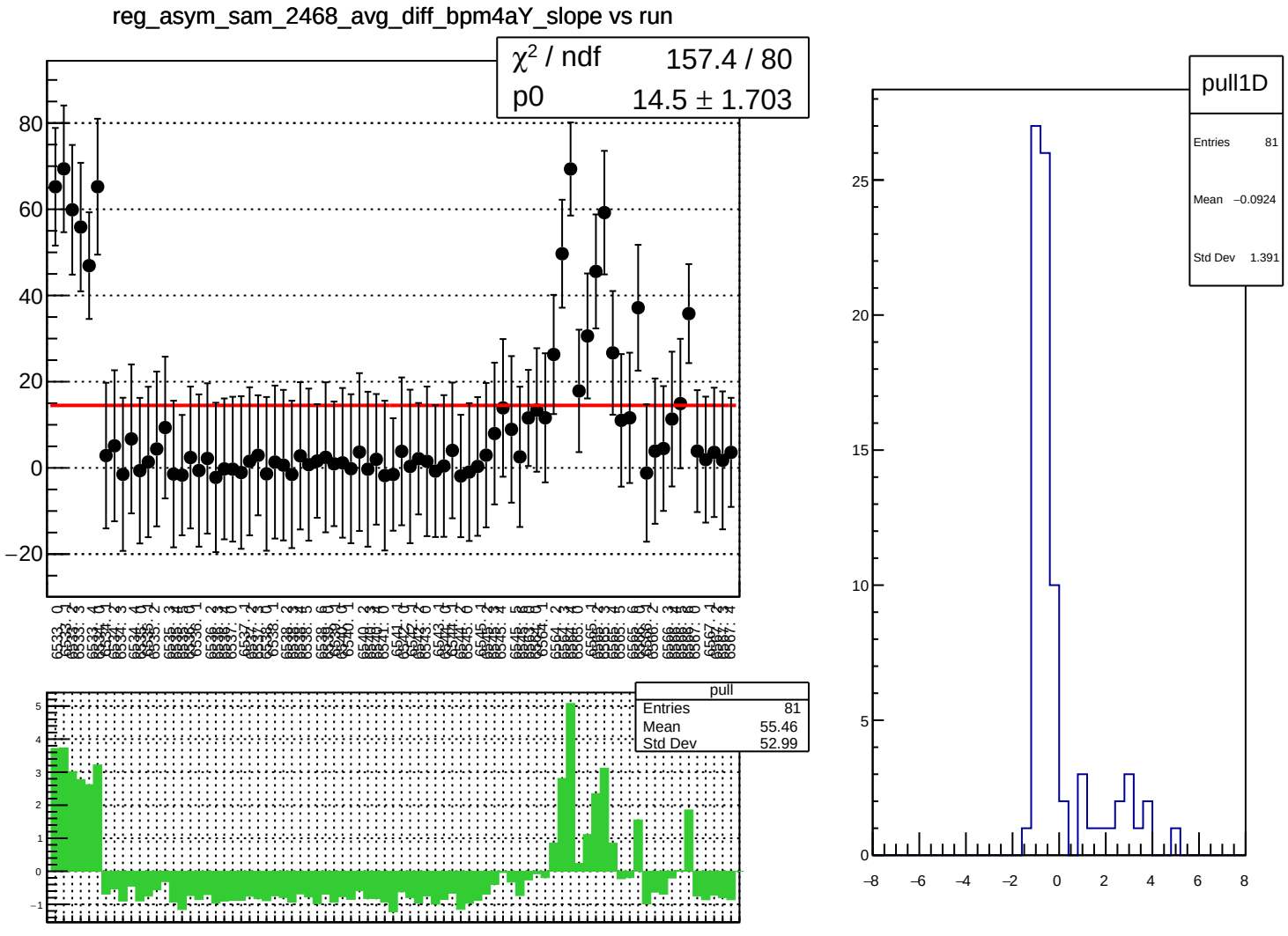

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 163.6 / 80
p0 19.07 ± 0.8016
pull
Entries 81
Mean 33.29
Std Dev 47.69
pull1D
Entries 81
Mean 0.1053
Std Dev 1.417

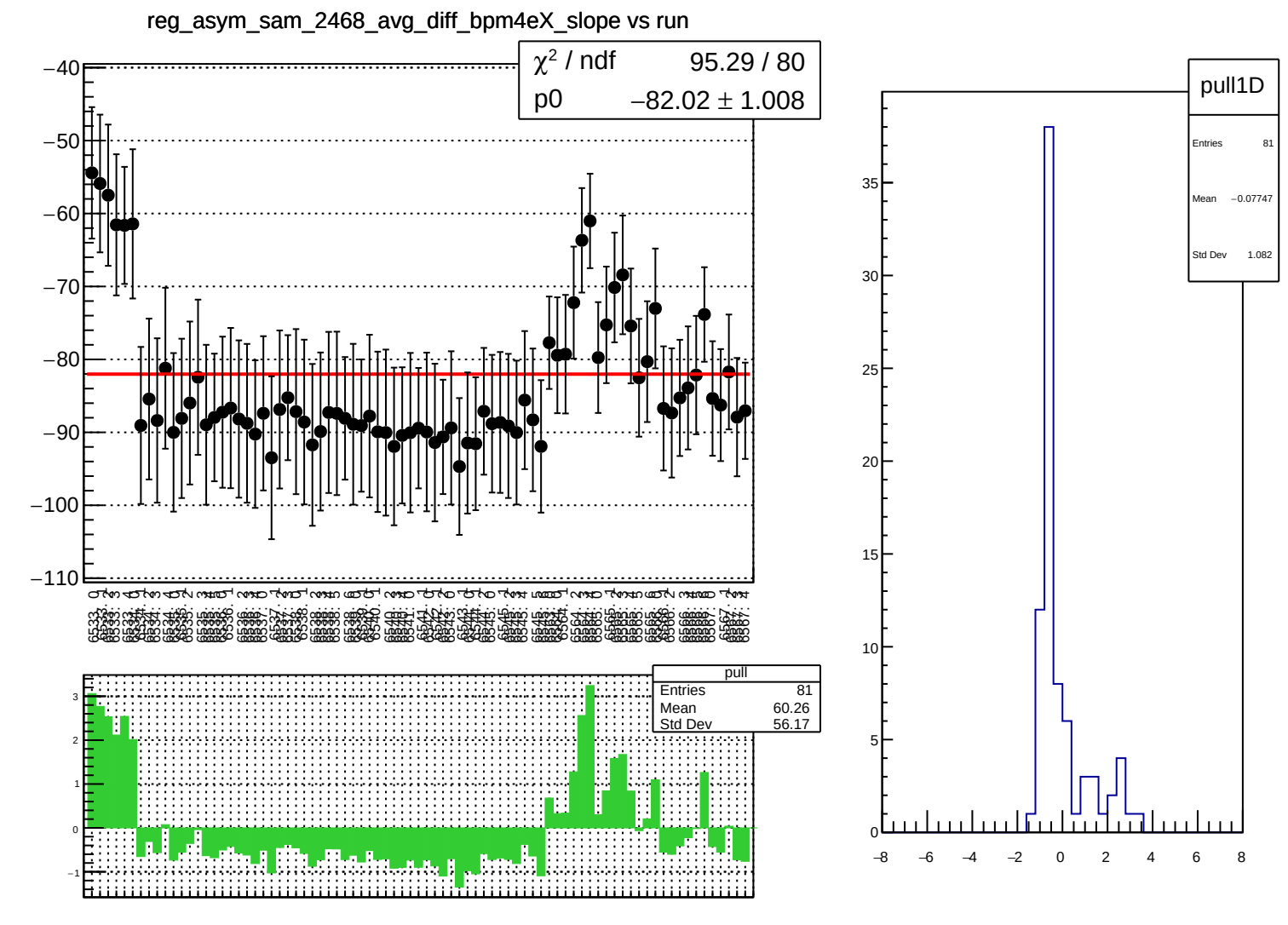

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 14.93 / 80
p0 0.2578 ± 0.01754
pull
Entries 81
Mean −201.5
Std Dev 242.6

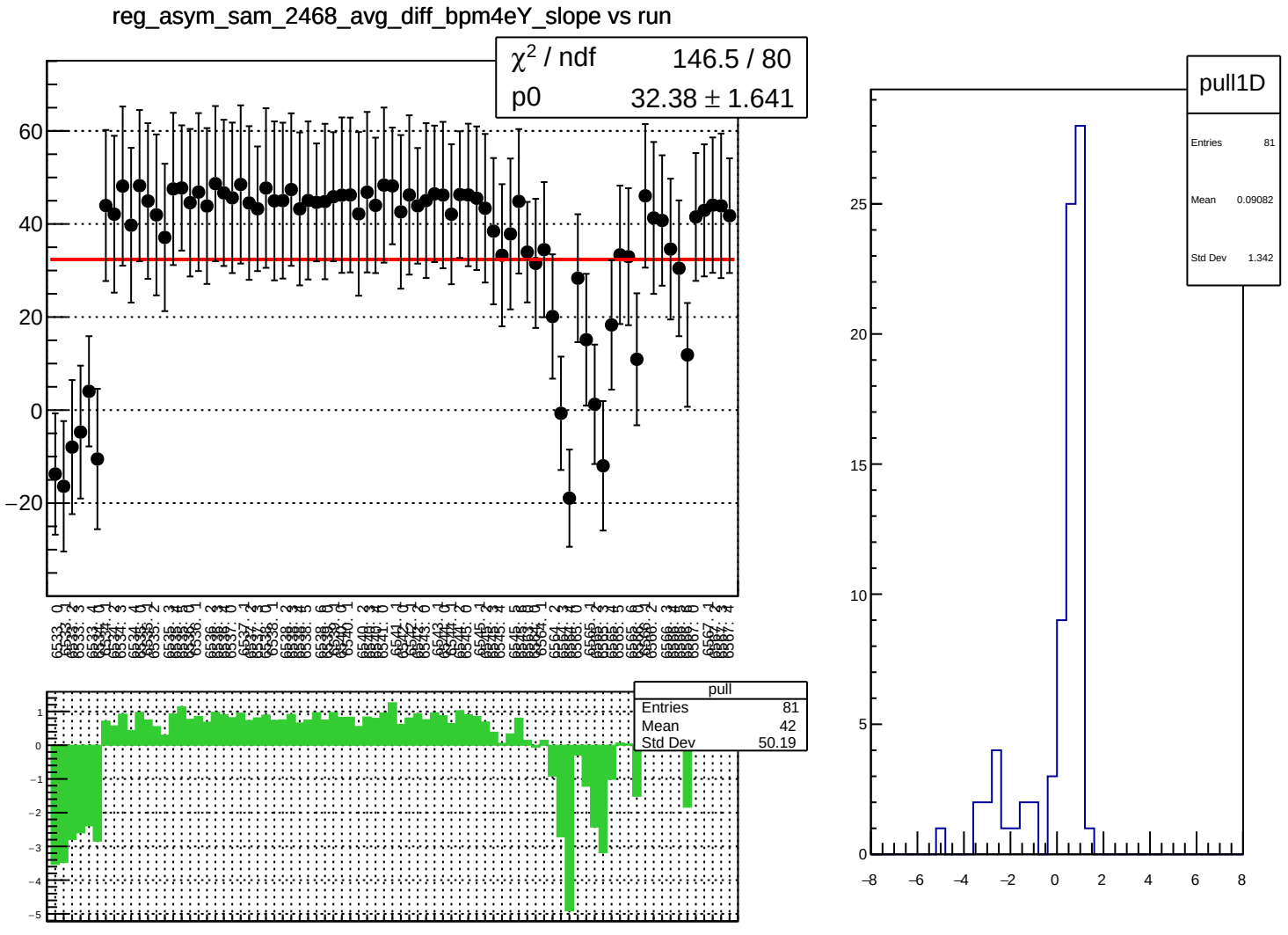

pull1D
Entries 81
Mean −0.03302
Std Dev 0.428

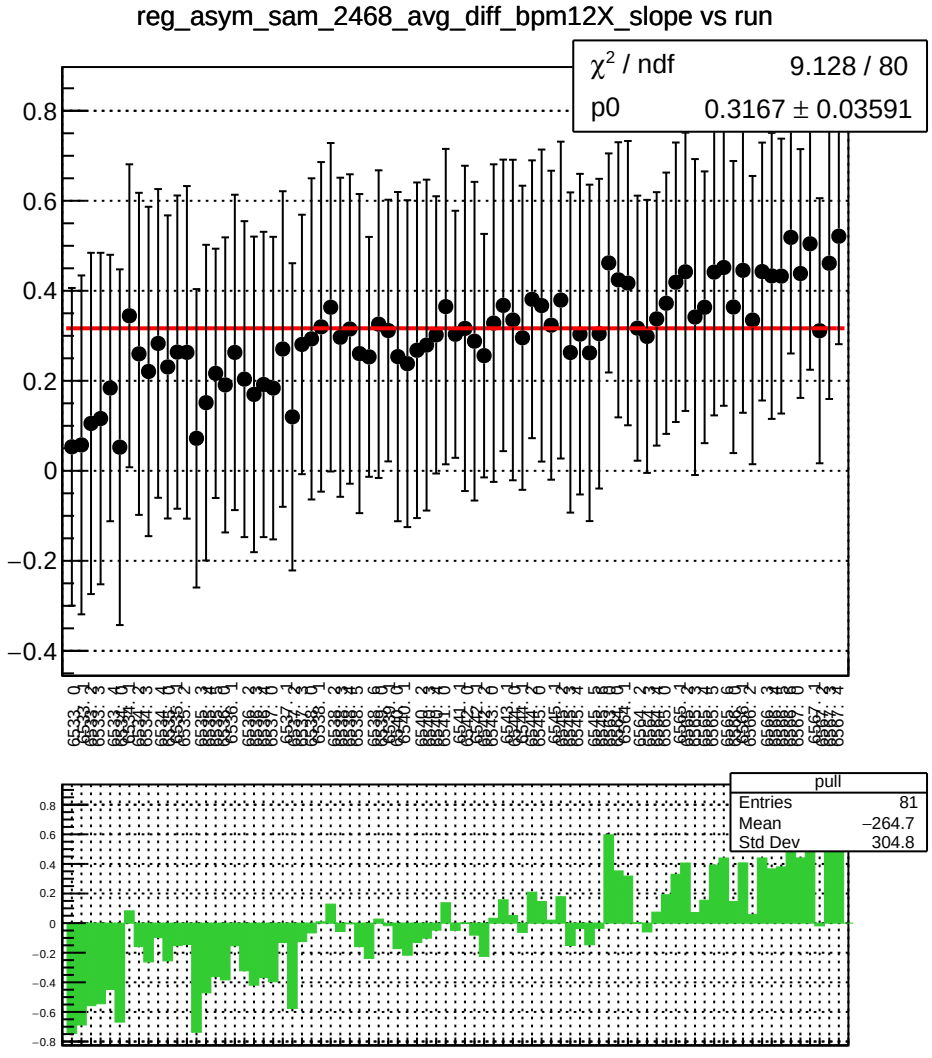

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 109 / 80
p0 −10.25 ± 0.9331
pull
Entries 81
Mean 289
Std Dev 259.6

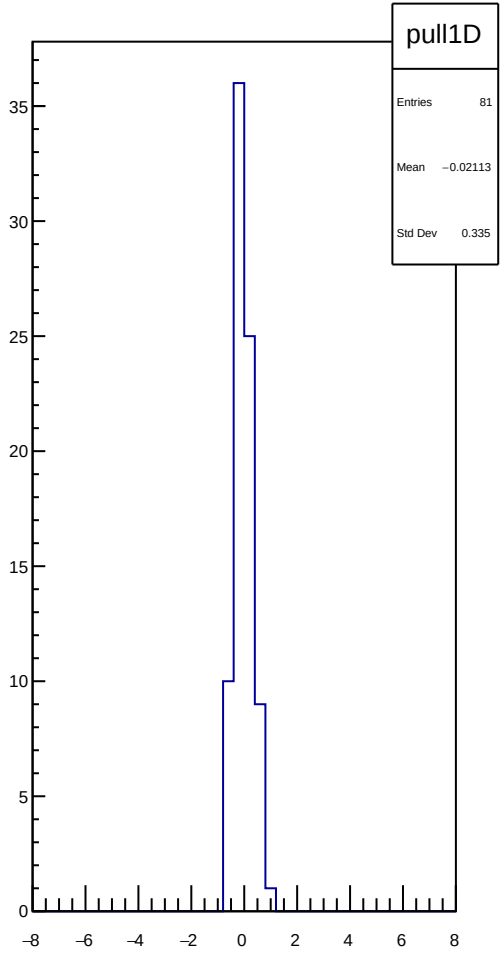

pull1D
Entries 81
Mean 0.036
Std Dev 1.159

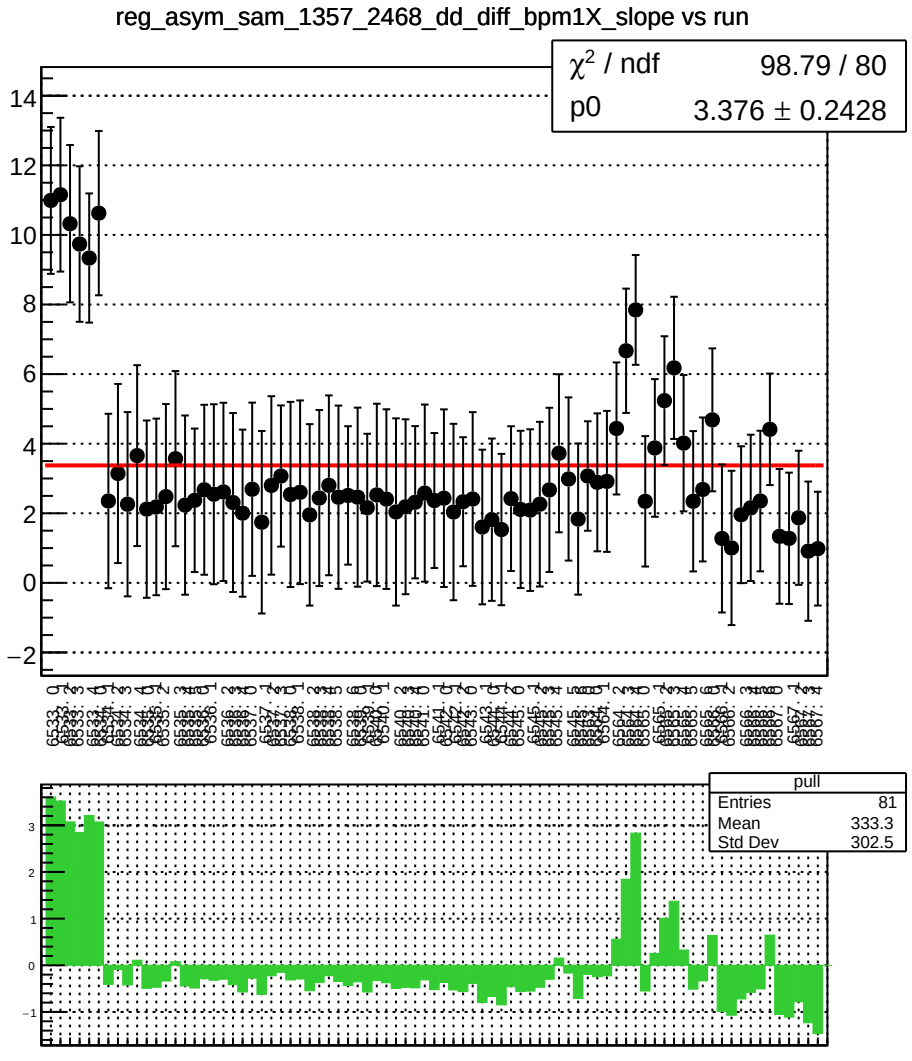

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 157.4 / 80
p0 14.5 ± 1.703
pull
Entries 81
Mean 55.46
Std Dev 52.99
pull1D
Entries 81
Mean −0.0924
Std Dev 1.391

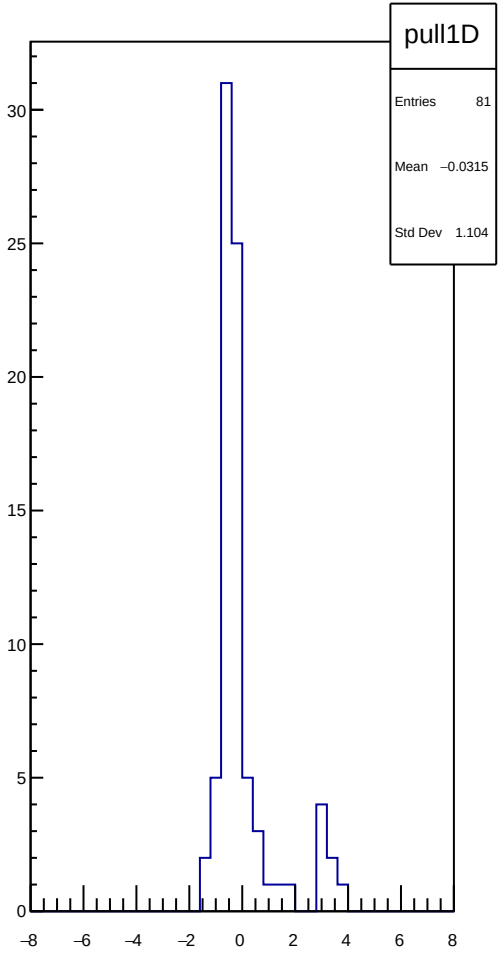

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 95.29 / 80
p0 −82.02 ± 1.008
pull
Entries 81
Mean 60.26
Std Dev 56.17
pull1D
Entries 81
Mean −0.07747
Std Dev 1.082

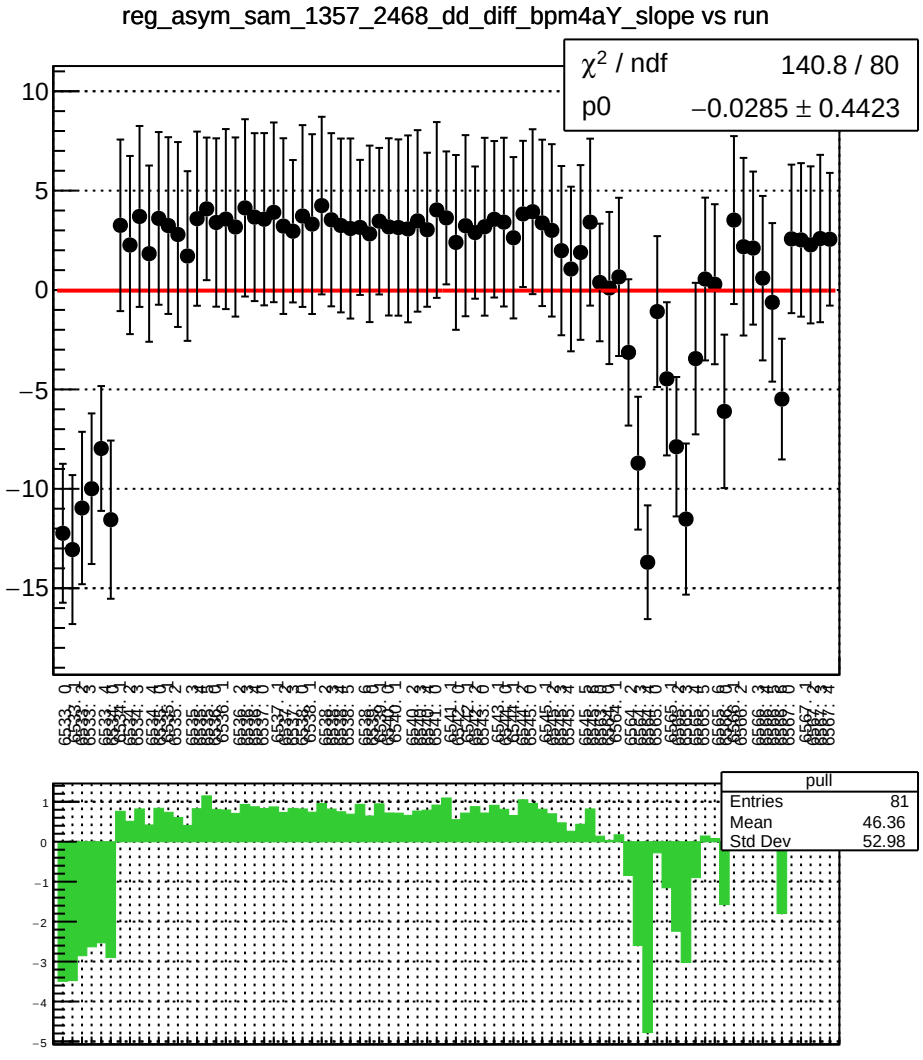

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 146.5 / 80
p0 32.38 ± 1.641
pull
Entries 81
Mean 42
Std Dev 50.19
pull1D
Entries 81
Mean 0.09082
Std Dev 1.342

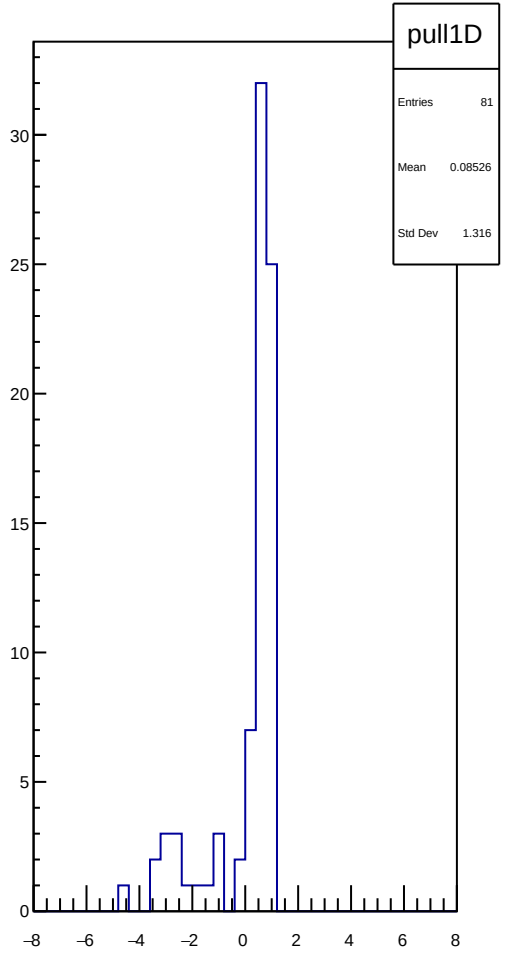

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 9.128 / 80
p0 0.3167 ± 0.03591
pull
Entries 81
Mean −264.7
Std Dev 304.8

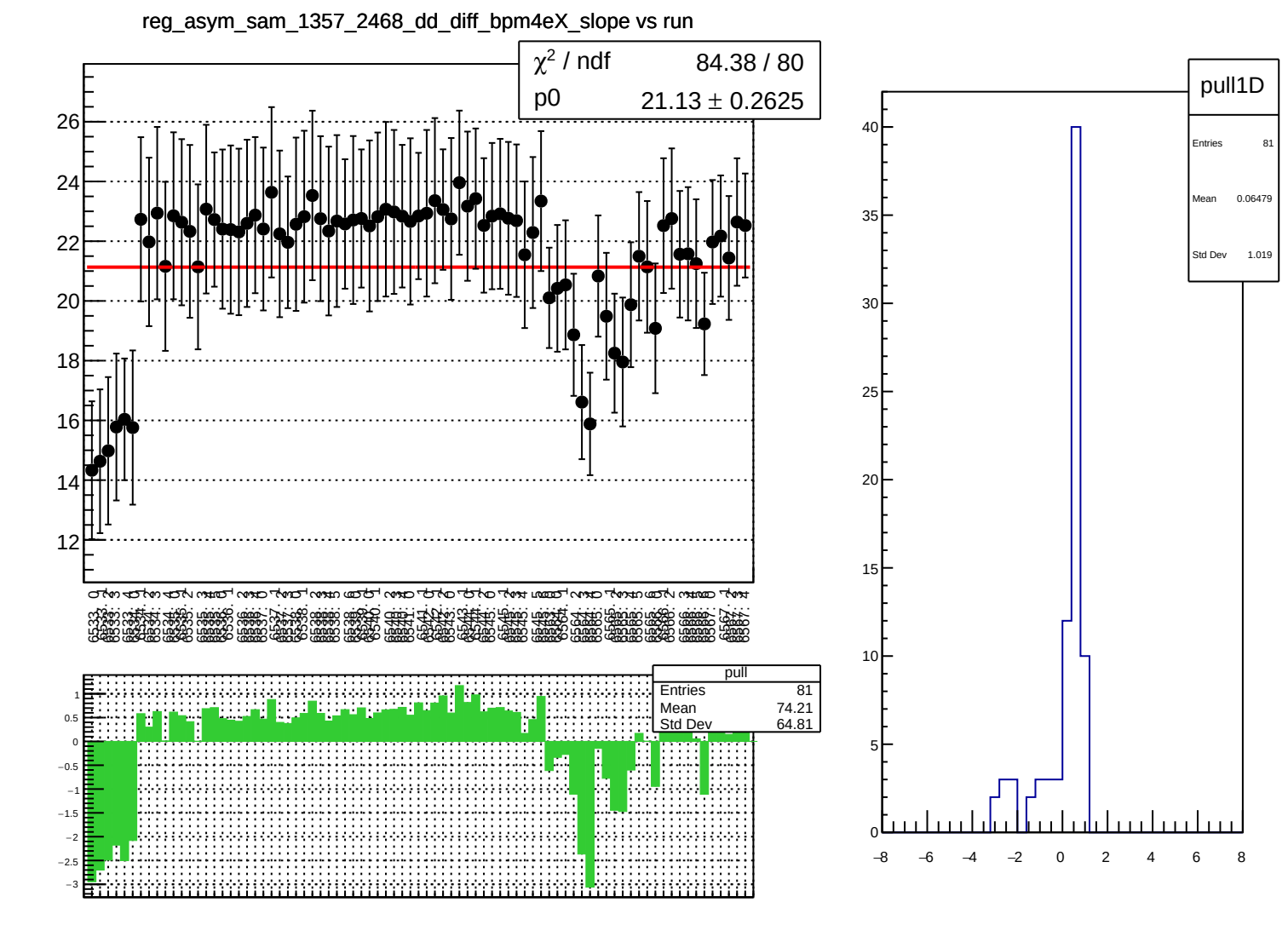

pull1D
Entries 81
Mean −0.02113
Std Dev 0.335

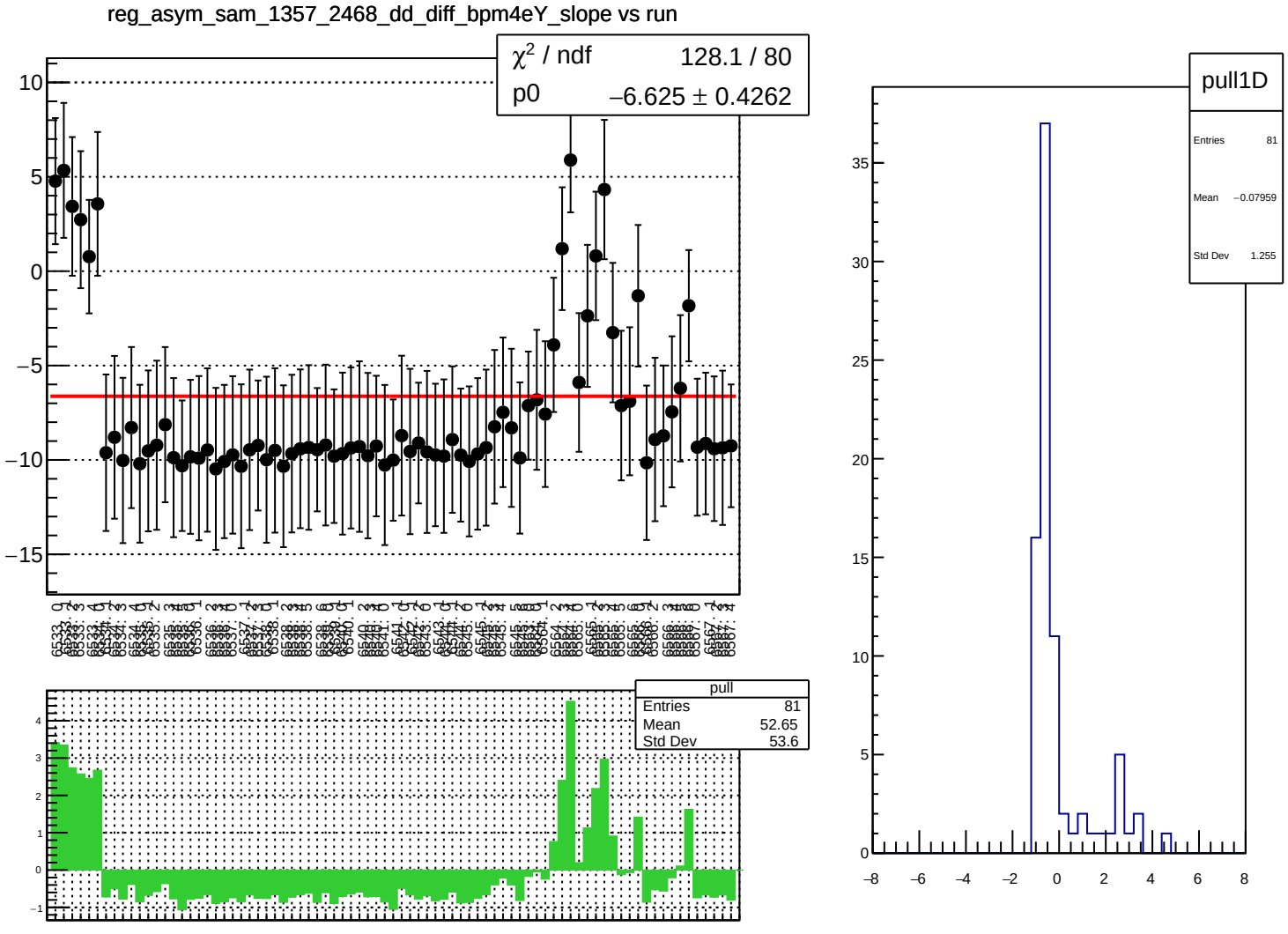

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 98.79 / 80
p0 3.376 ± 0.2428
pull
Entries 81
Mean 333.3
Std Dev 302.5

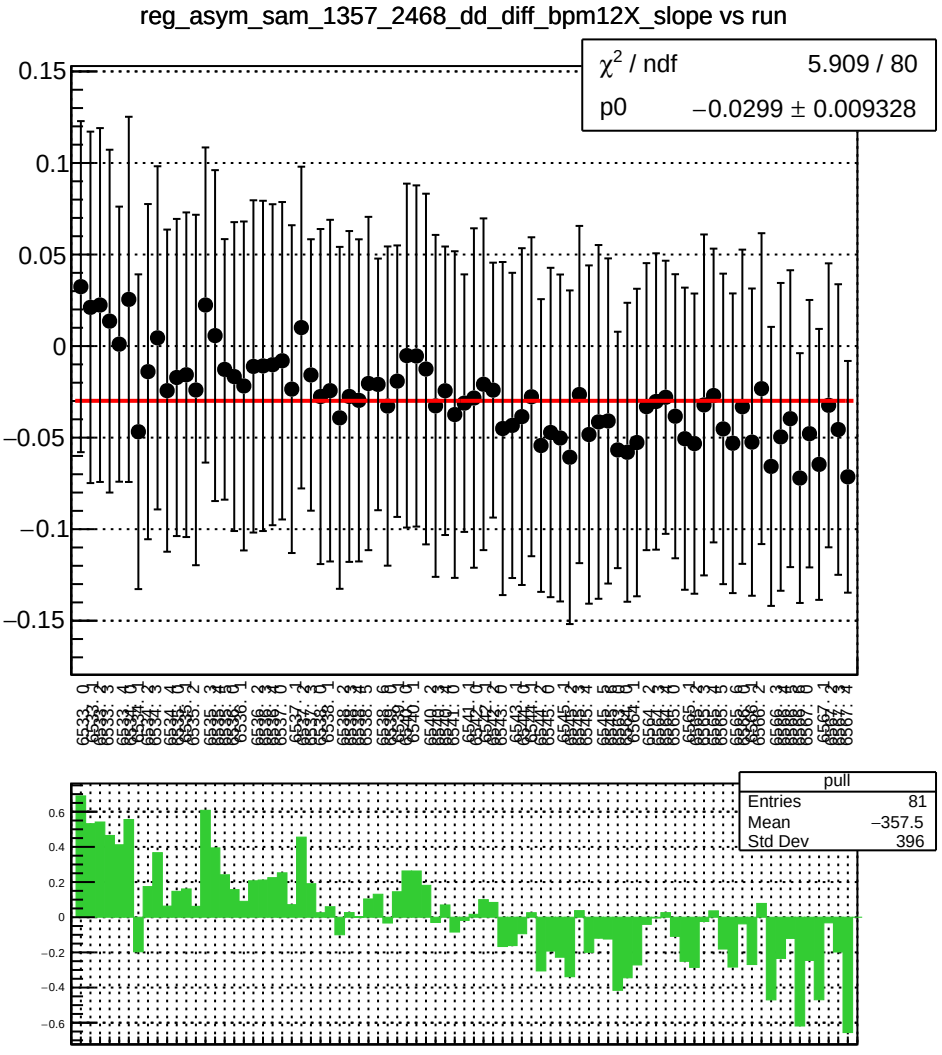

pull1D
Entries 81
Mean −0.0315
Std Dev 1.104

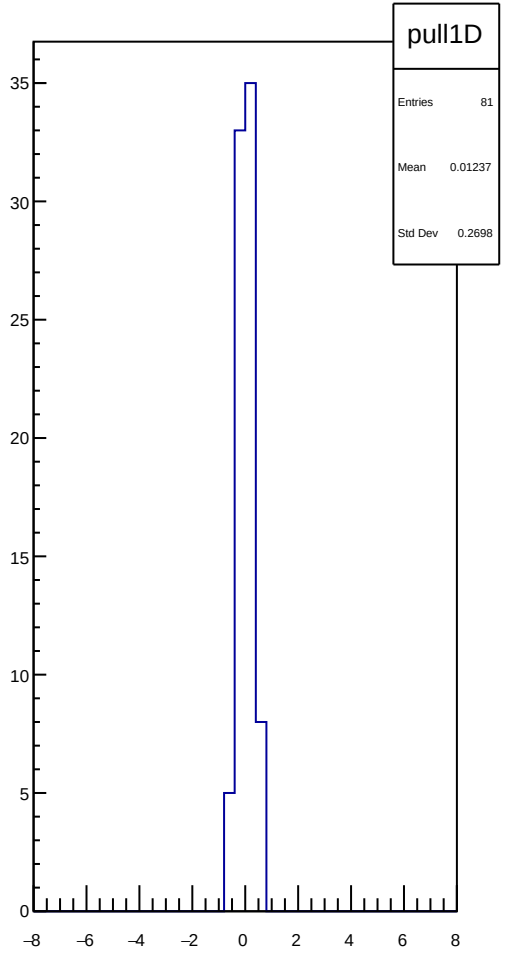

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 140.8 / 80
p0 −0.0285 ± 0.4423
pull
Entries 81
Mean 46.36
Std Dev 52.98

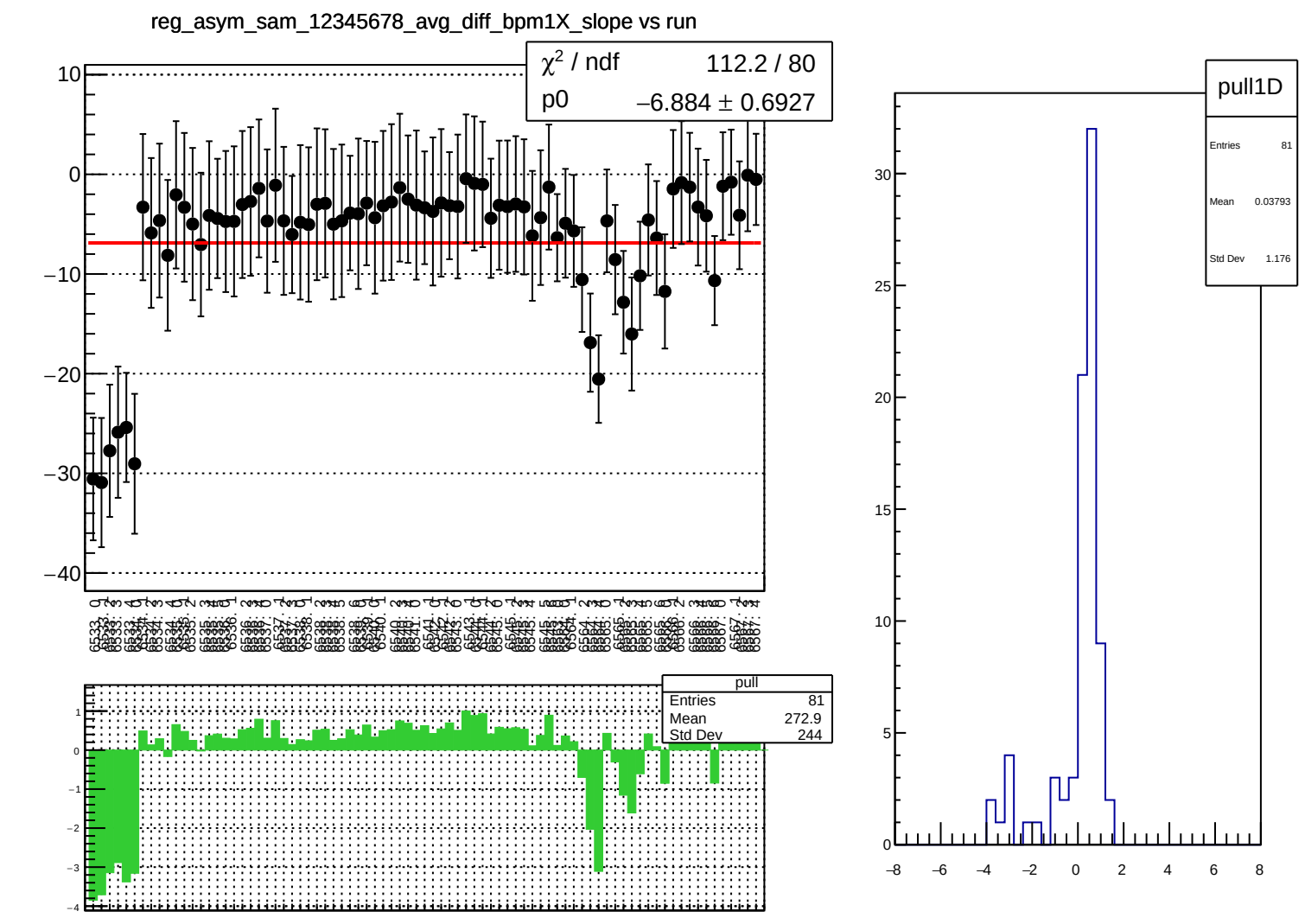

pull1D
Entries 81
Mean 0.08526
Std Dev 1.316

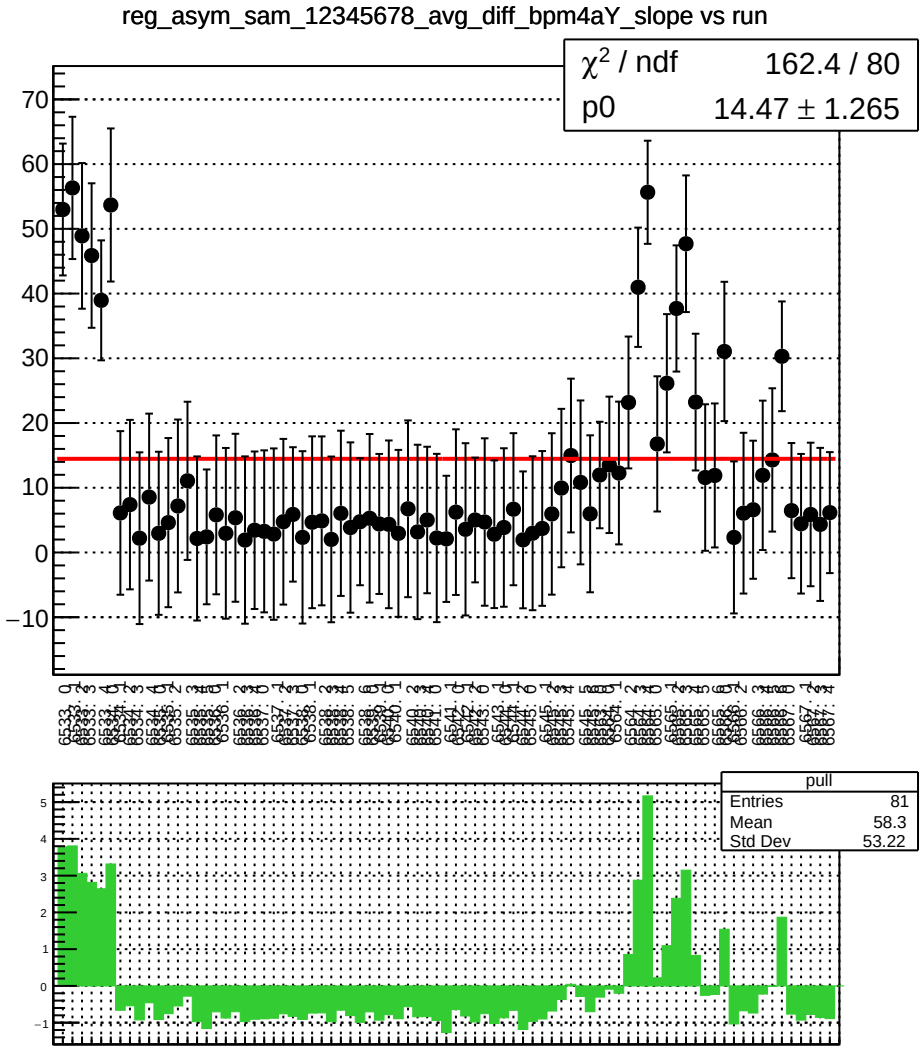

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.38 / 80
p0 21.13 ± 0.2625
pull
Entries 81
Mean 74.21
Std Dev 64.81
pull1D
Entries 81
Mean 0.06479
Std Dev 1.019

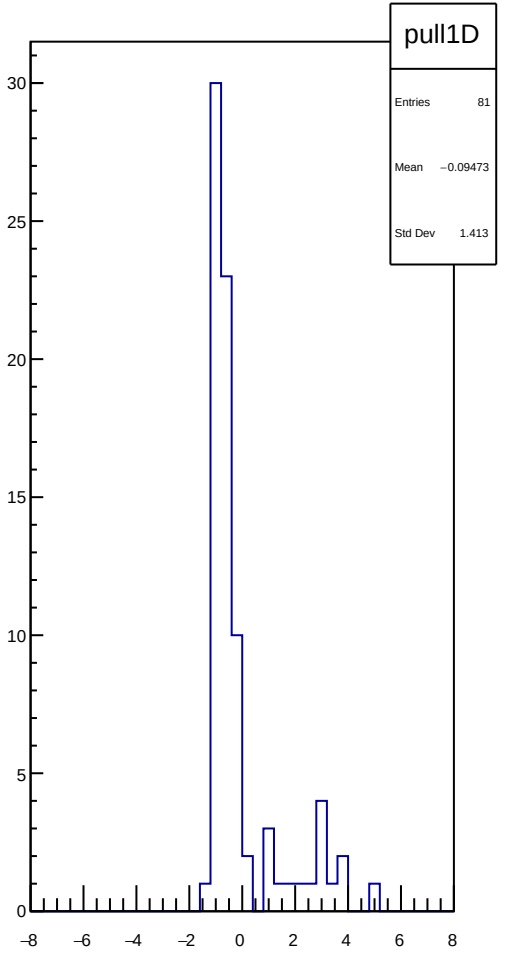

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 128.1 / 80
p0 −6.625 ± 0.4262
pull
Entries 81
Mean 52.65
Std Dev 53.6
pull1D
Entries 81
Mean −0.07959
Std Dev 1.255

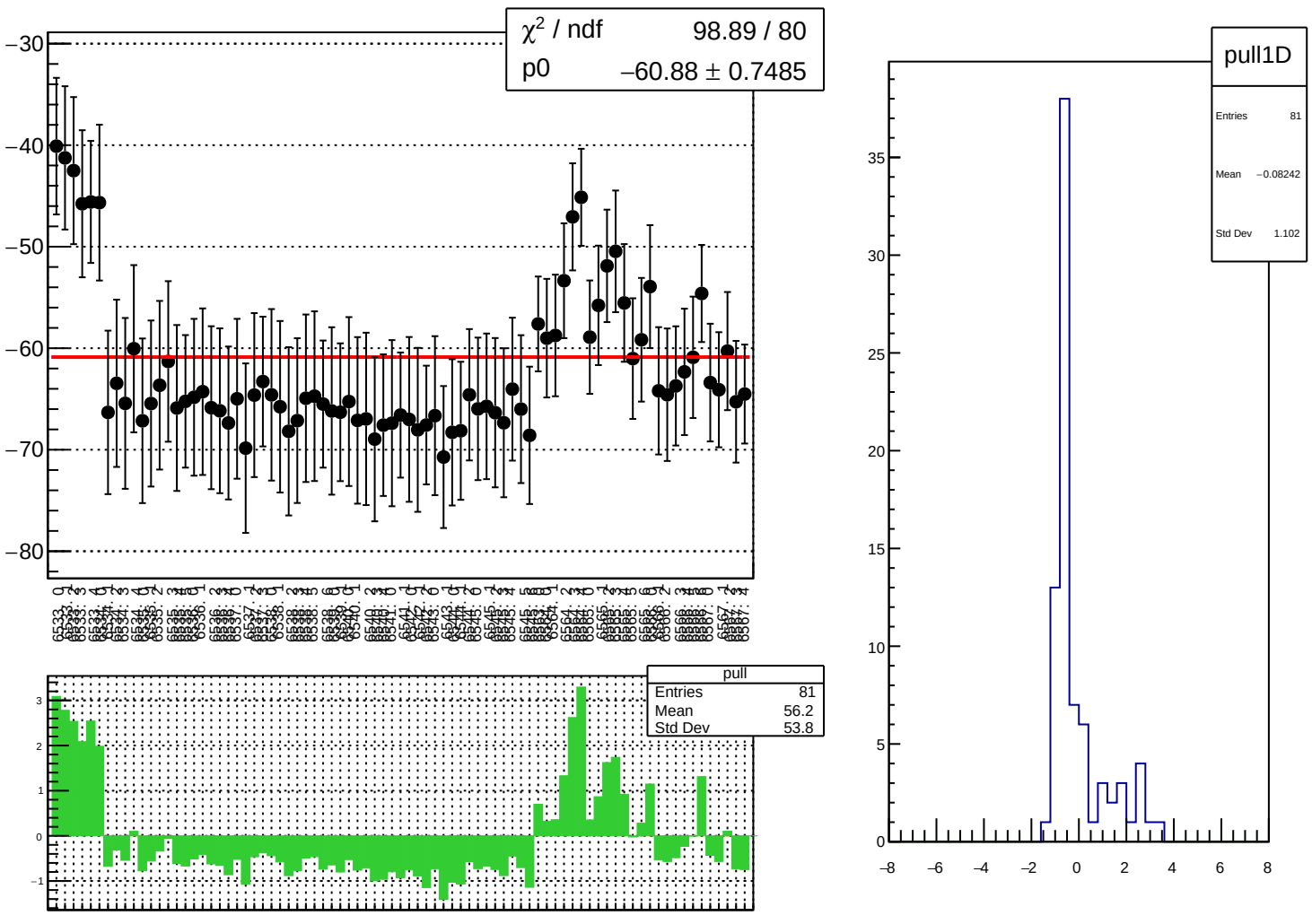

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 5.909 / 80
p0 −0.0299 ± 0.009328
pull
Entries 81
Mean −357.5
Std Dev 396

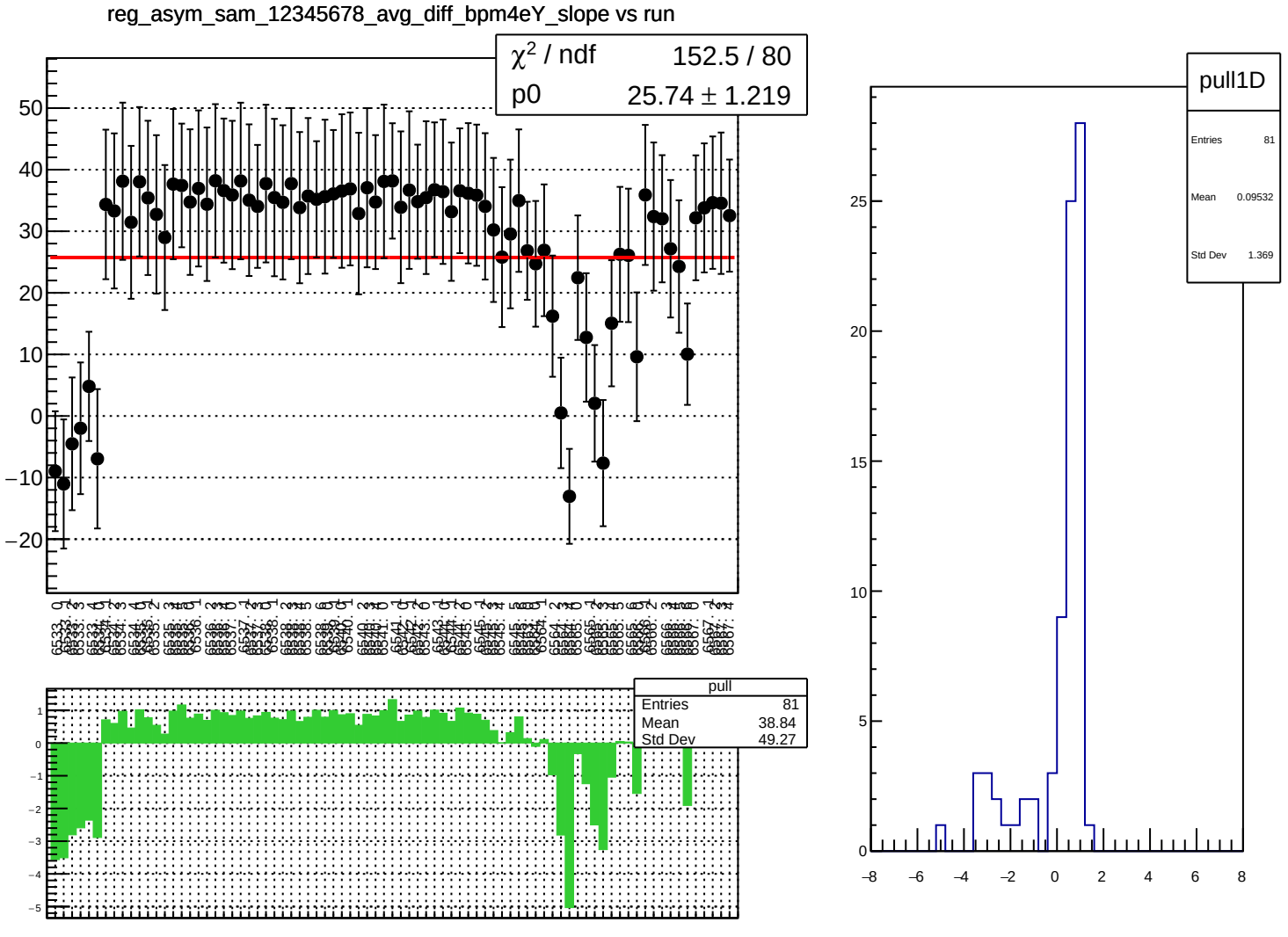

pull1D
Entries 81
Mean 0.01237
Std Dev 0.2698

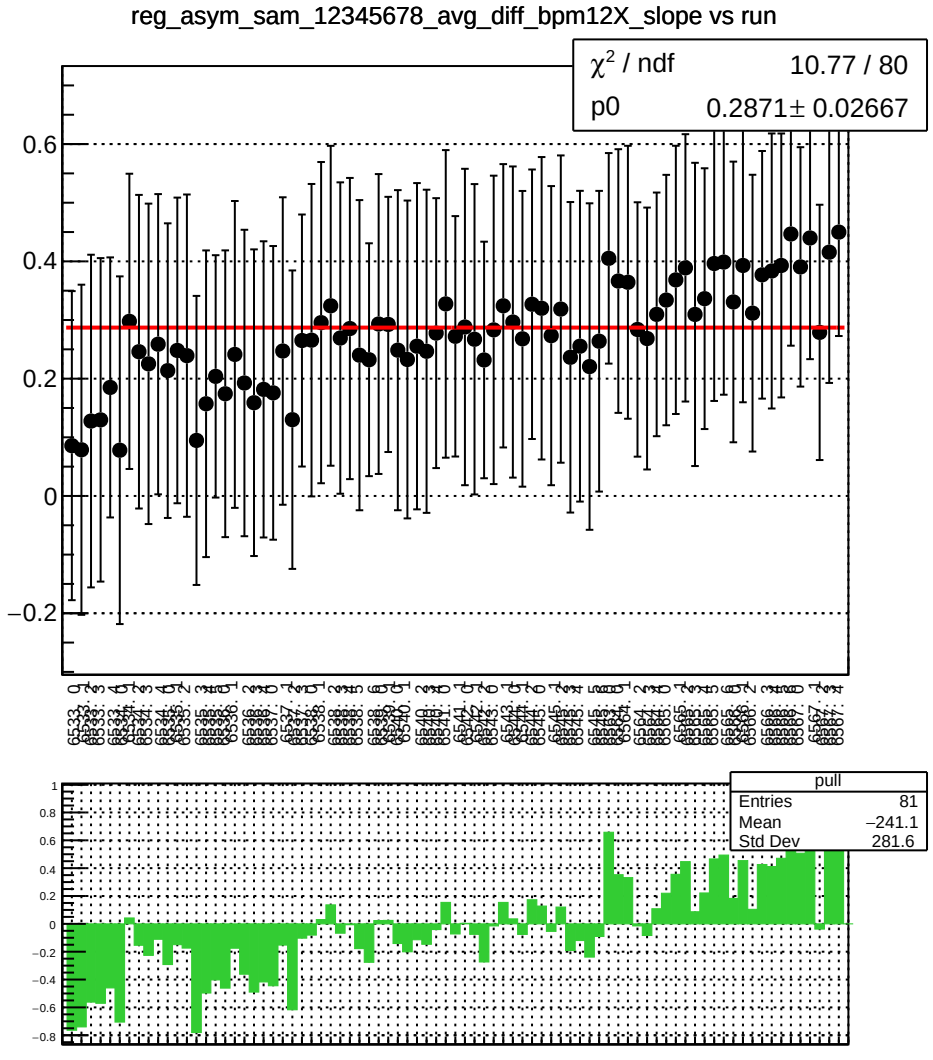

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 112.2 / 80
p0 −6.884 ± 0.6927
pull
Entries 81
Mean 272.9
Std Dev 244
pull1D
Entries 81
Mean 0.03793
Std Dev 1.176

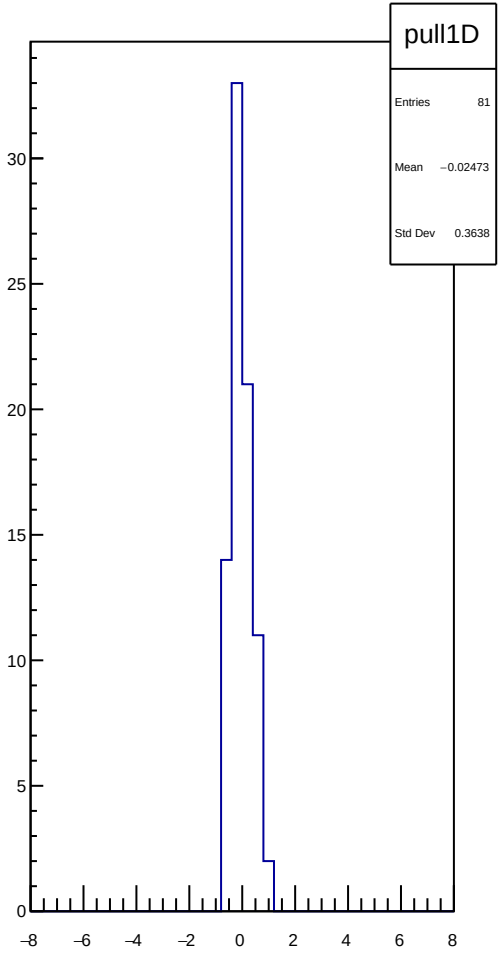

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 162.4 / 80
p0 14.47 ± 1.265
pull
Entries 81
Mean 58.3
Std Dev 53.22

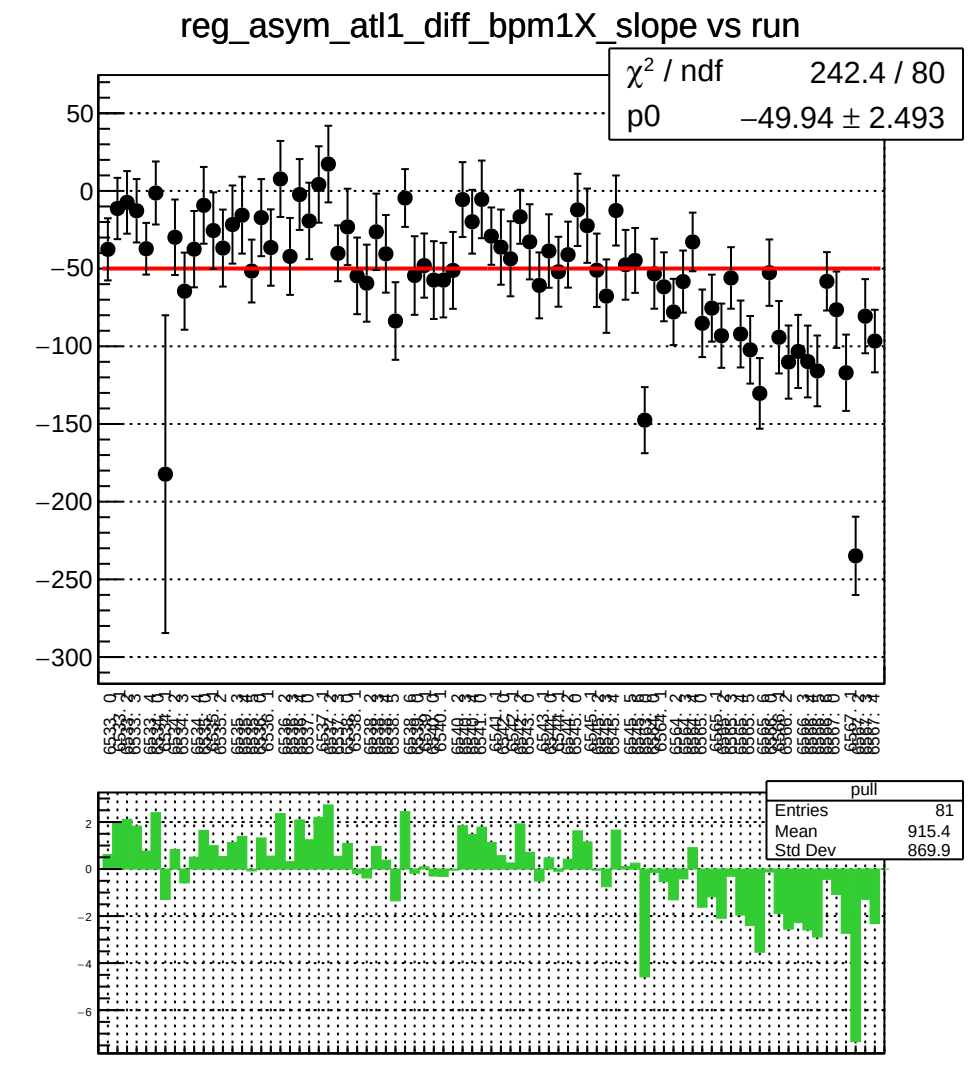

pull1D
Entries 81
Mean −0.09473
Std Dev 1.413

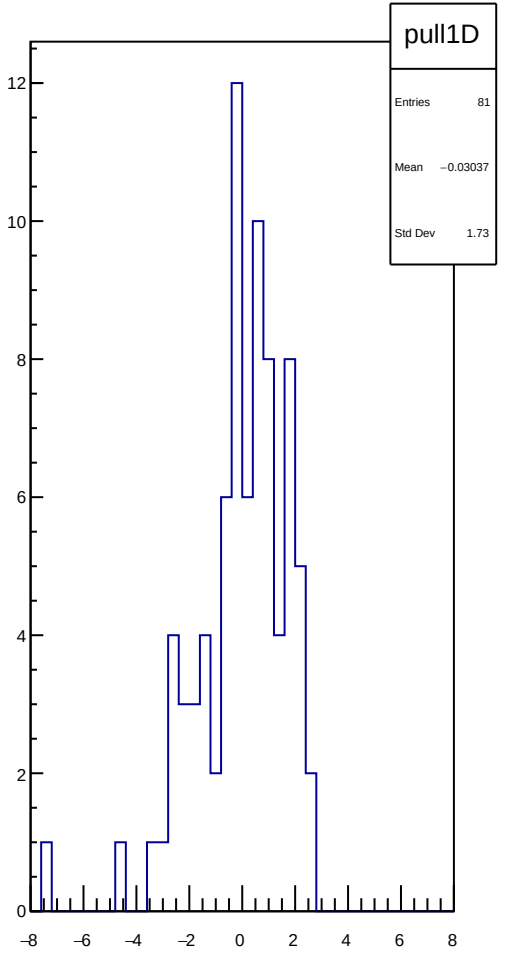

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 98.89 / 80
p0 −60.88 ± 0.7485
pull
Entries 81
Mean 56.2
Std Dev 53.8
pull1D
Entries 81
Mean −0.08242
Std Dev 1.102

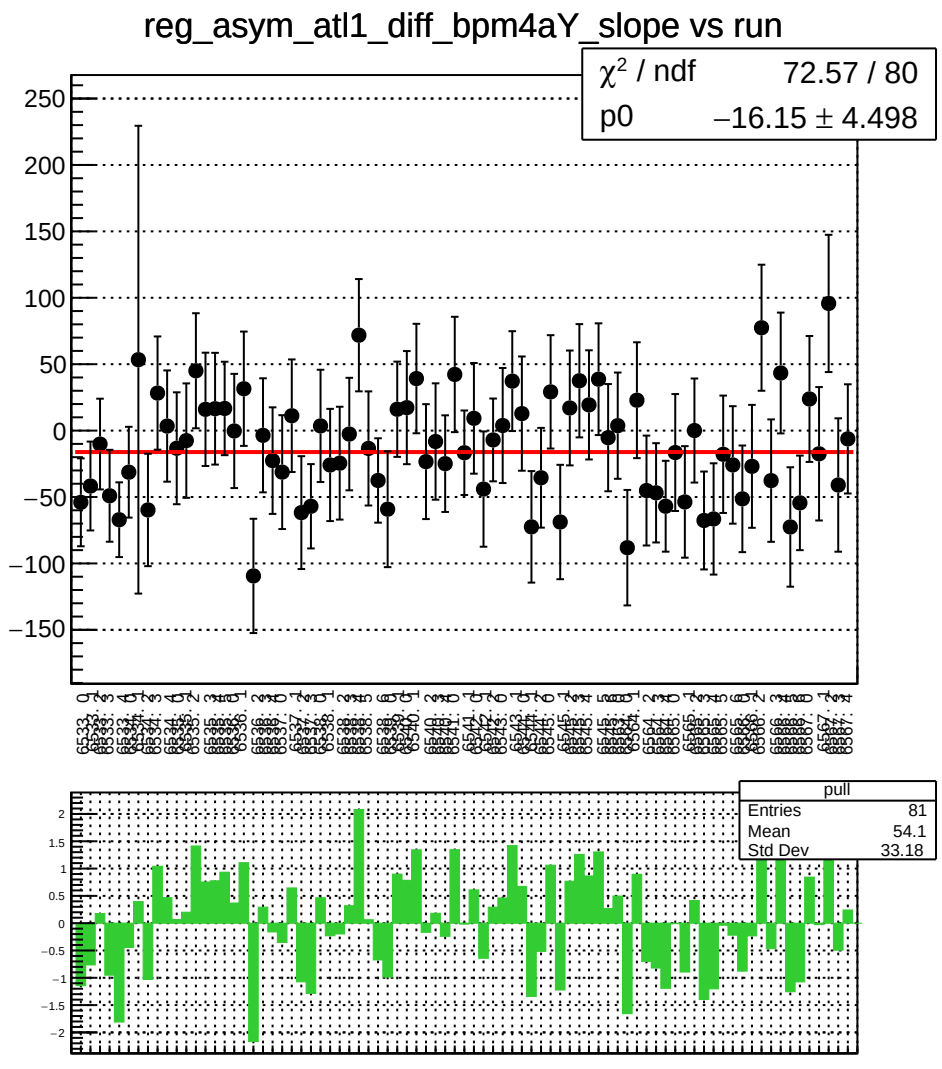

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 152.5 / 80
p0 25.74 ± 1.219
pull
Entries 81
Mean 38.84
Std Dev 49.27
pull1D
Entries 81
Mean 0.09532
Std Dev 1.369

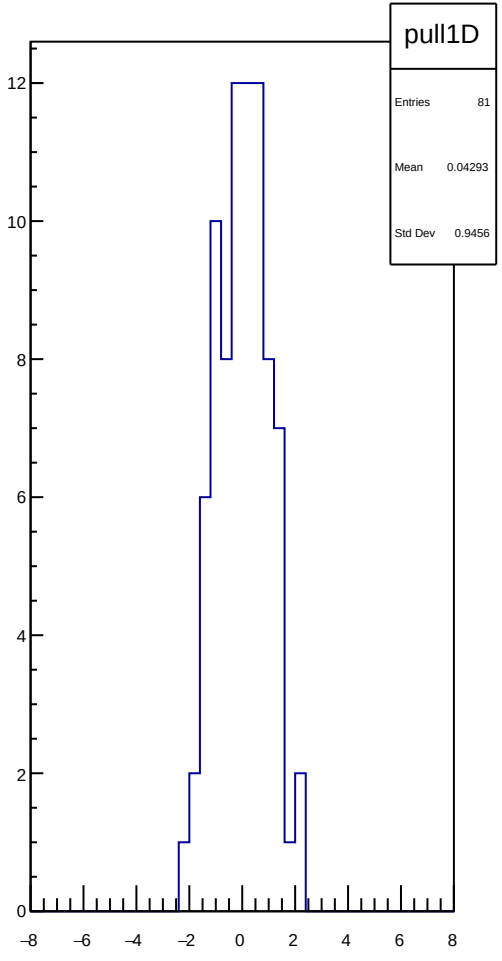

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 10.77 / 80
p0 0.2871± 0.02667
pull
Entries 81
Mean −241.1
Std Dev 281.6

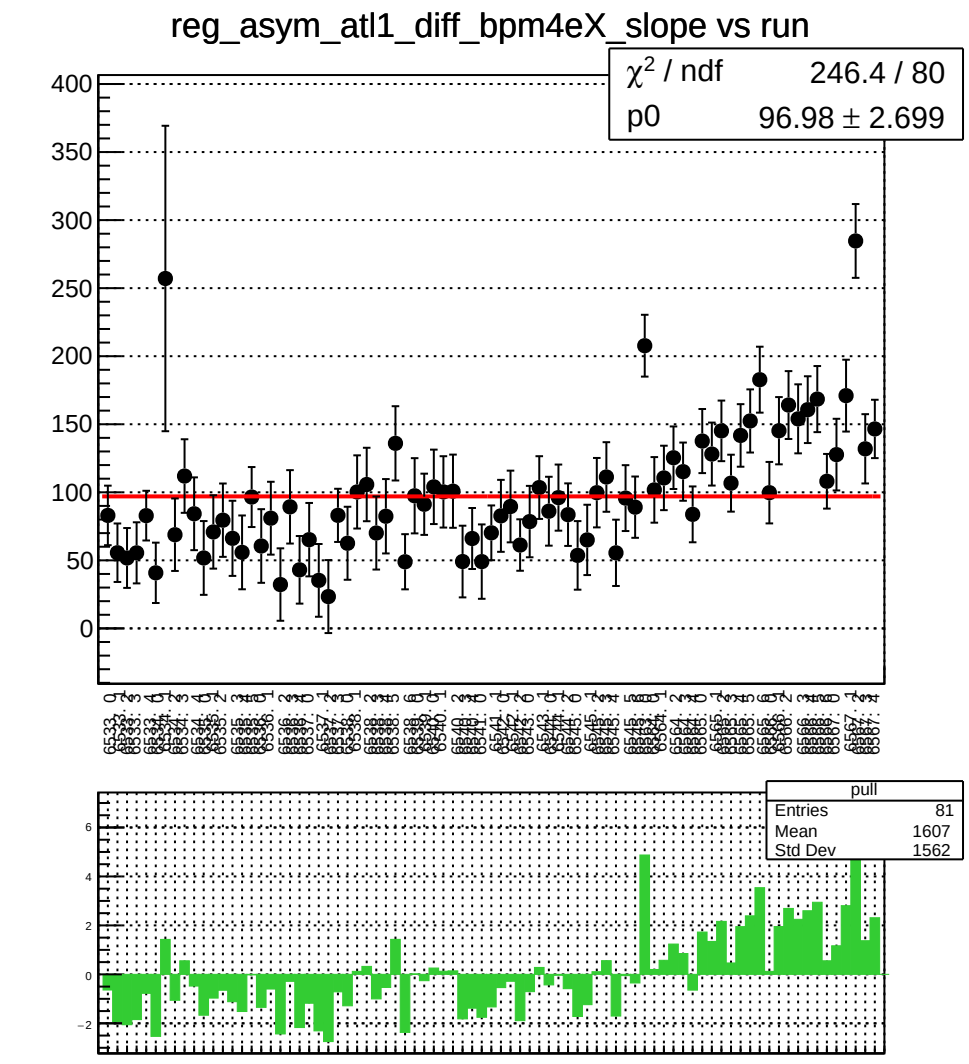

pull1D
Entries 81
Mean −0.02473
Std Dev 0.3638

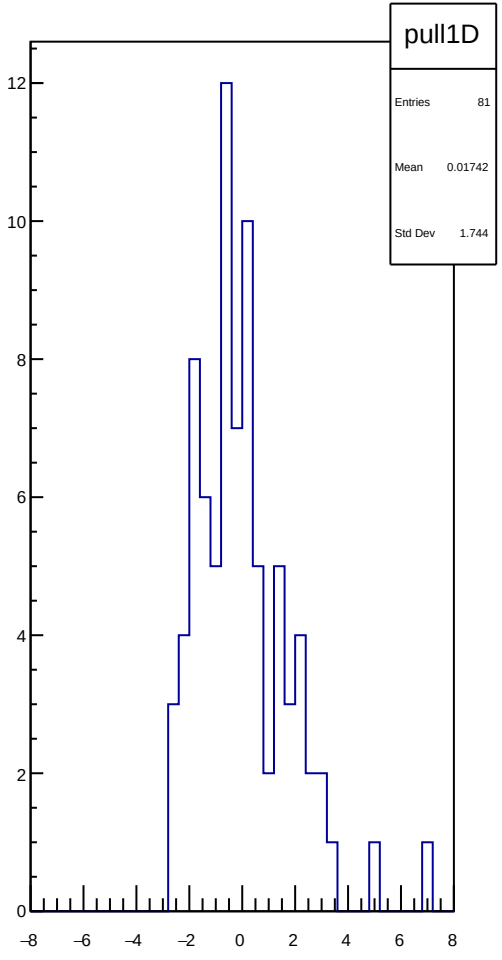

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 242.4 / 80
p0 −49.94 ± 2.493
pull
Entries 81
Mean 915.4
Std Dev 869.9

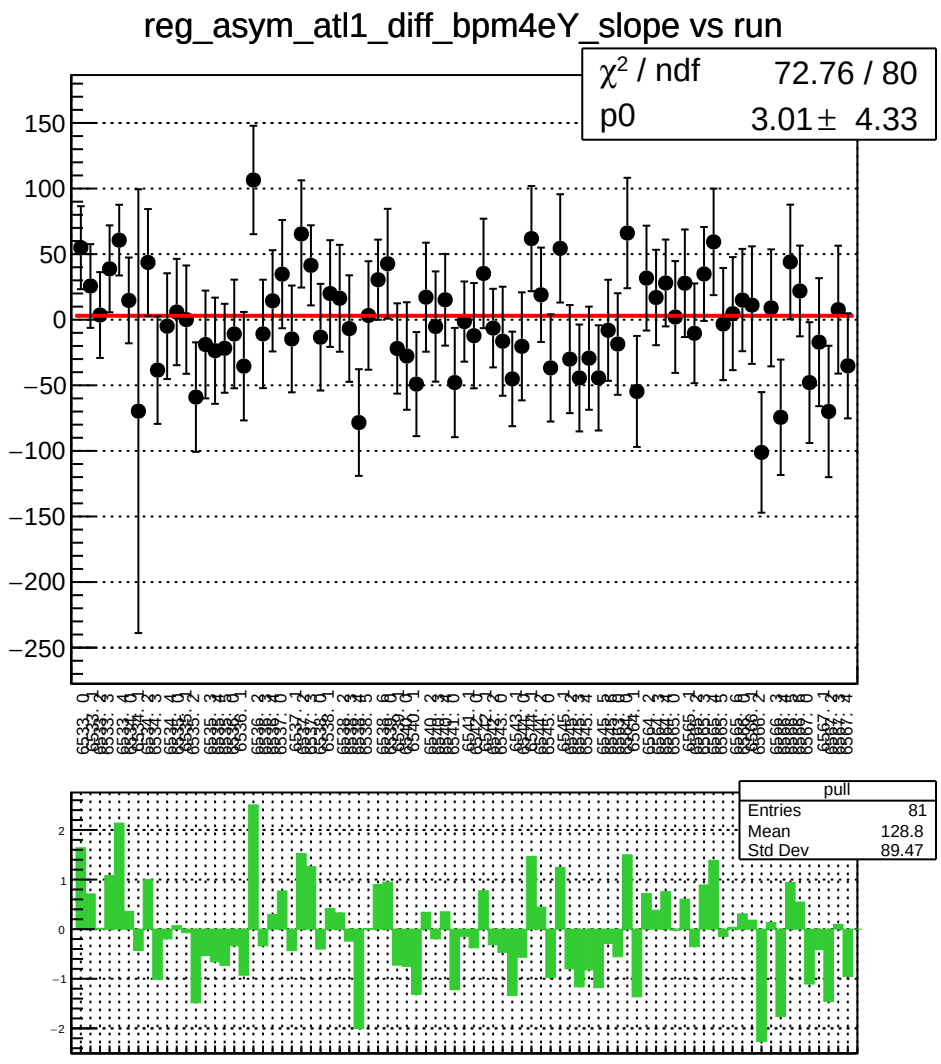

pull1D
Entries 81
Mean −0.03037
Std Dev 1.73

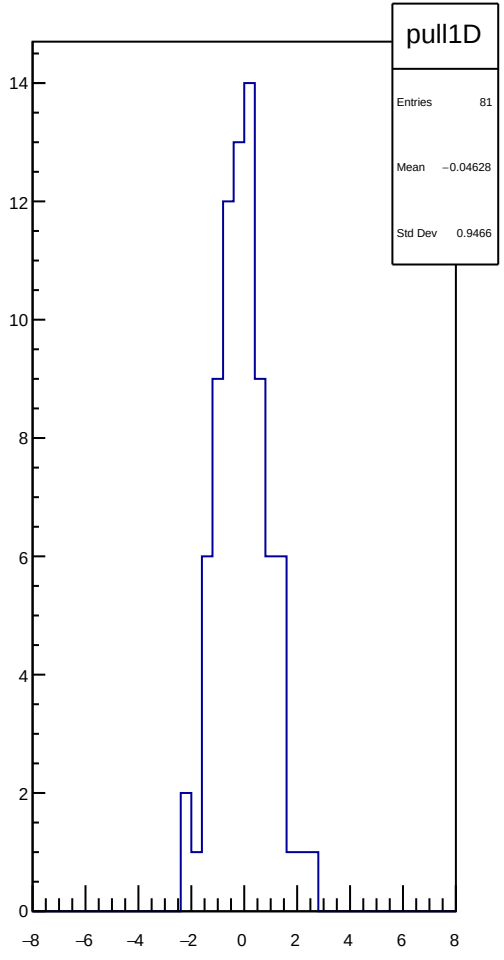

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 72.57 / 80
p0 −16.15 ± 4.498
pull
Entries 81
Mean 54.1
Std Dev 33.18

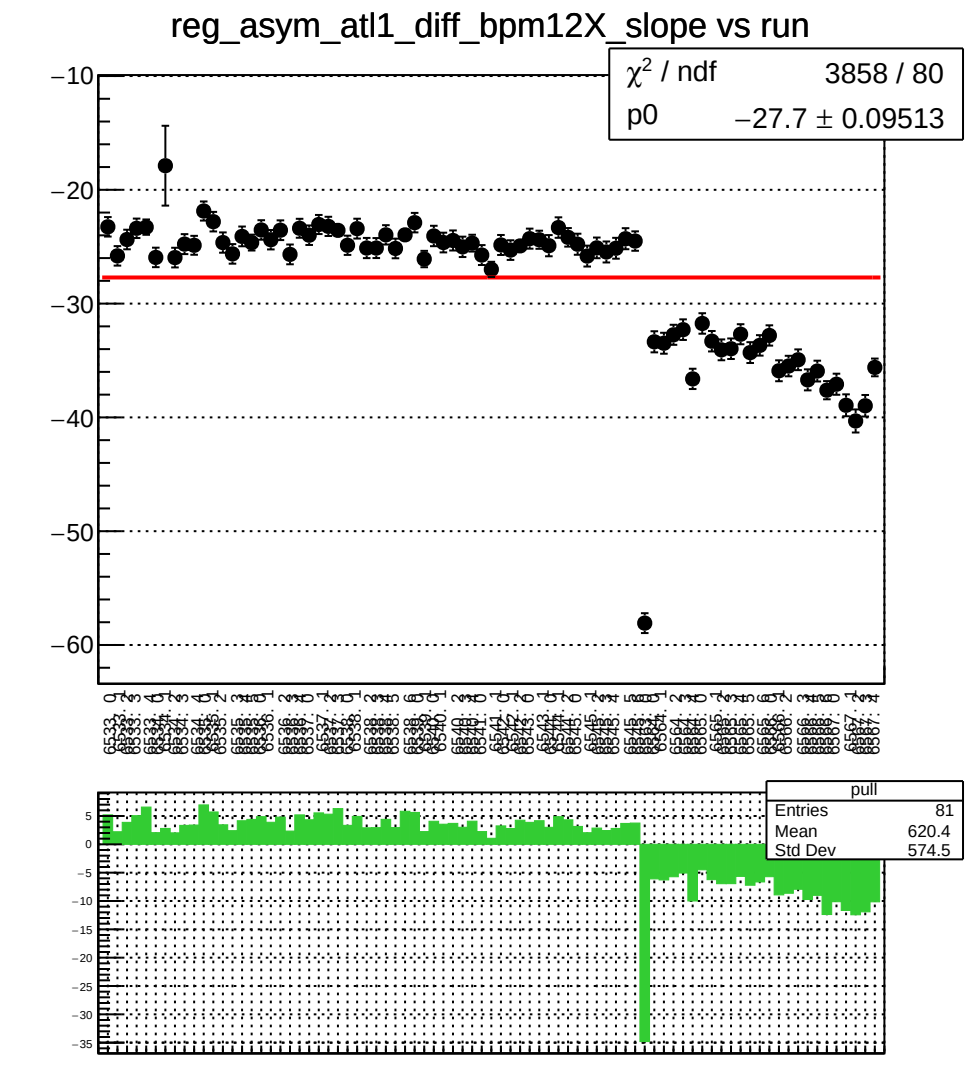

pull1D
Entries 81
Mean 0.04293
Std Dev 0.9456

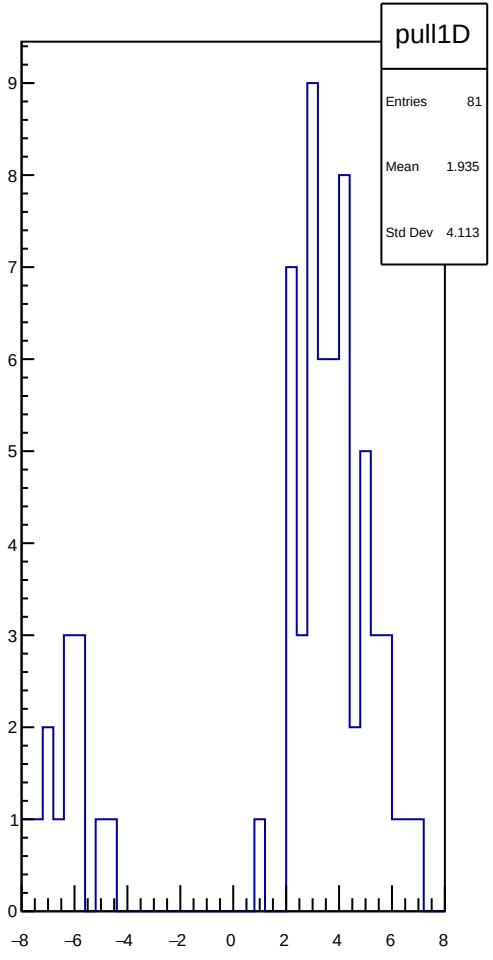

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 246.4 / 80
p0 96.98 ± 2.699
pull
Entries 81
Mean 1607
Std Dev 1562

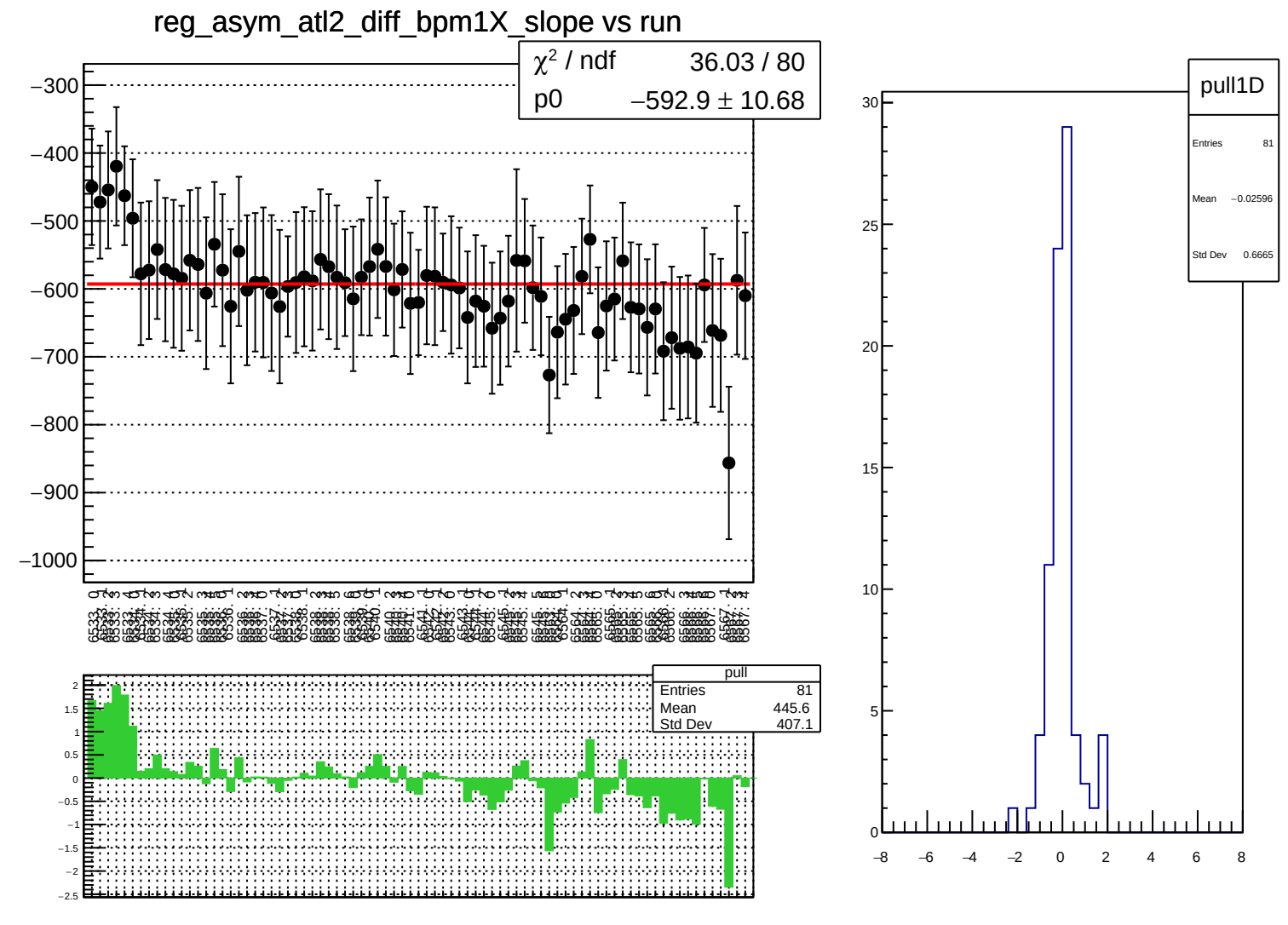

pull1D
Entries 81
Mean 0.01742
Std Dev 1.744

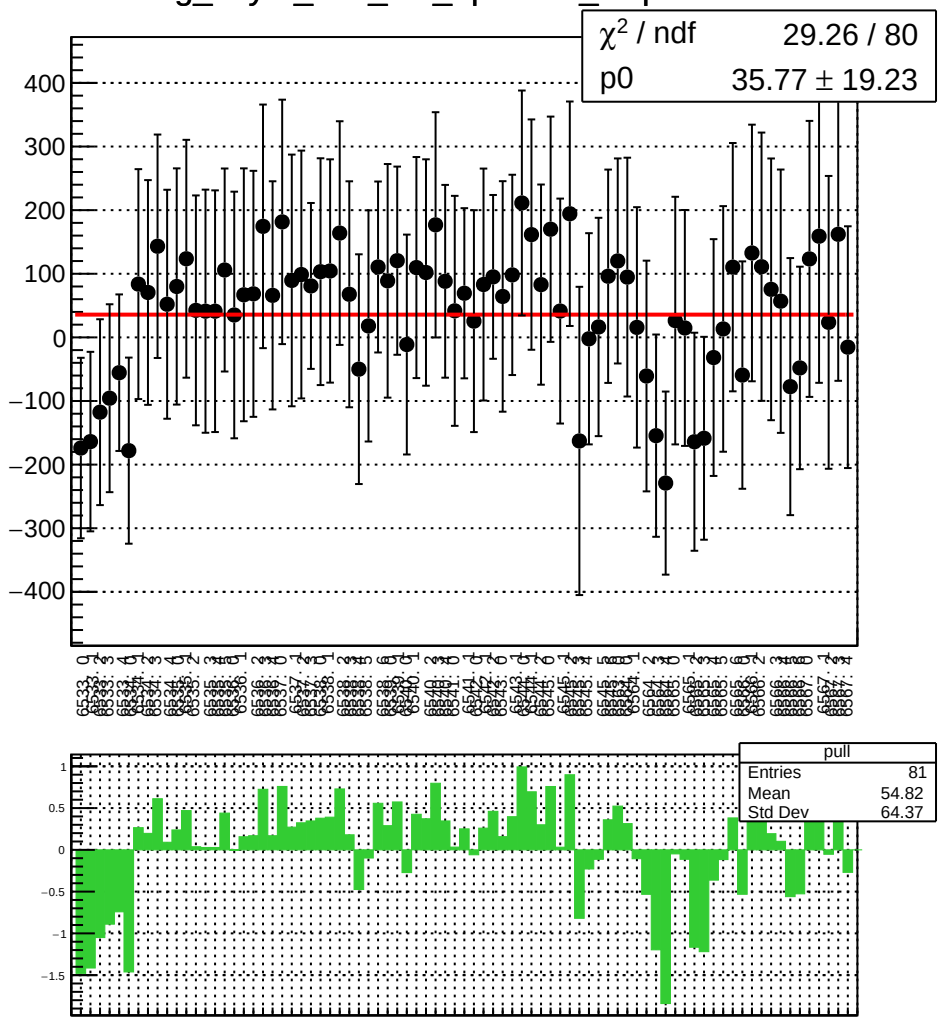

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 72.76 / 80
p0 3.01 ± 4.33
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 81
Mean 128.8
Std Dev 89.47
2
1
0
−1
−2

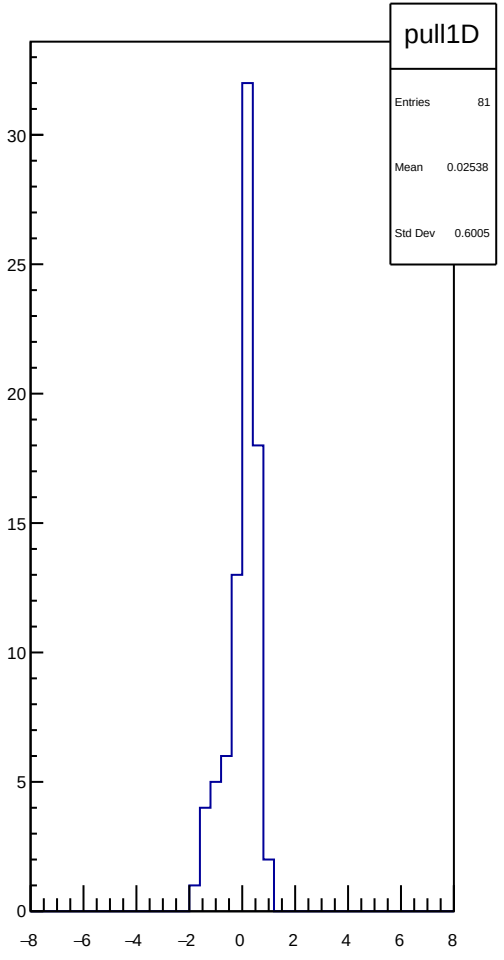

pull1D
Entries 81
Mean −0.04628
Std Dev 0.9466
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

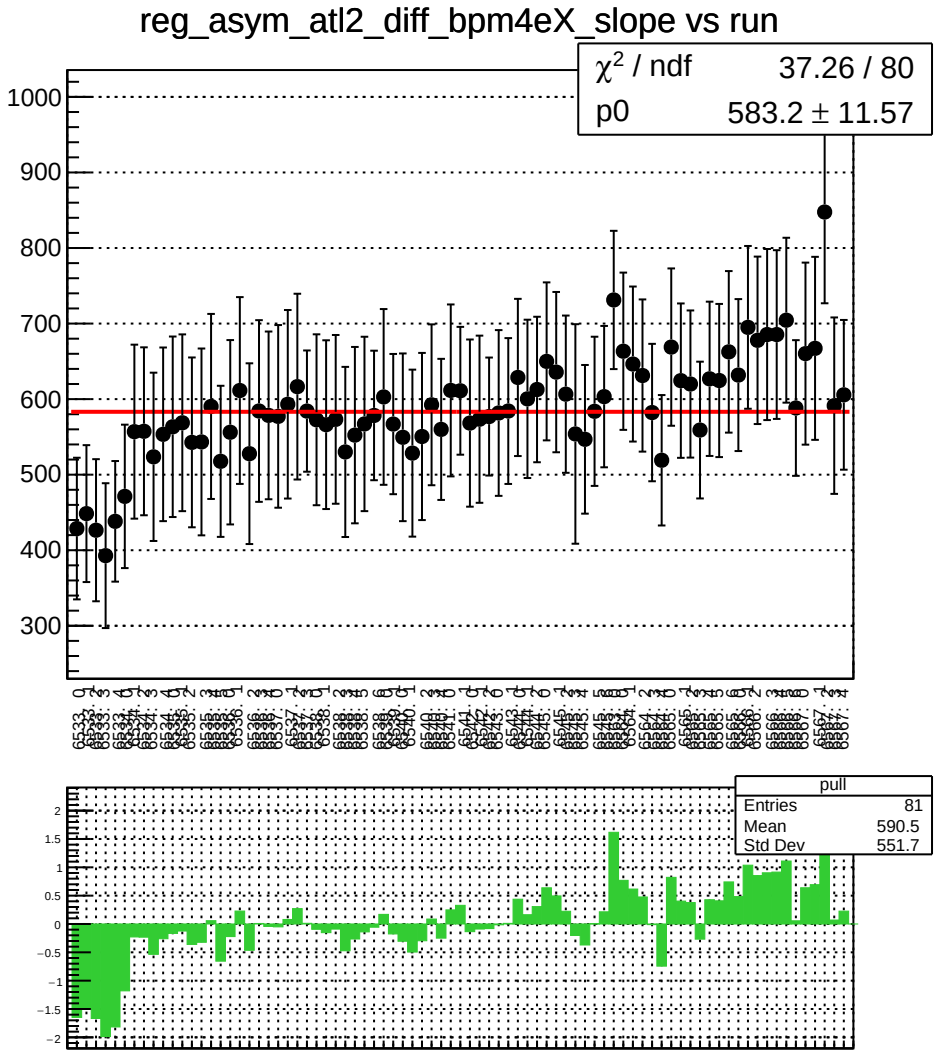

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 3858 / 80
p0 −27.7 ± 0.09513
pull
Entries 81
Mean 620.4
Std Dev 574.5

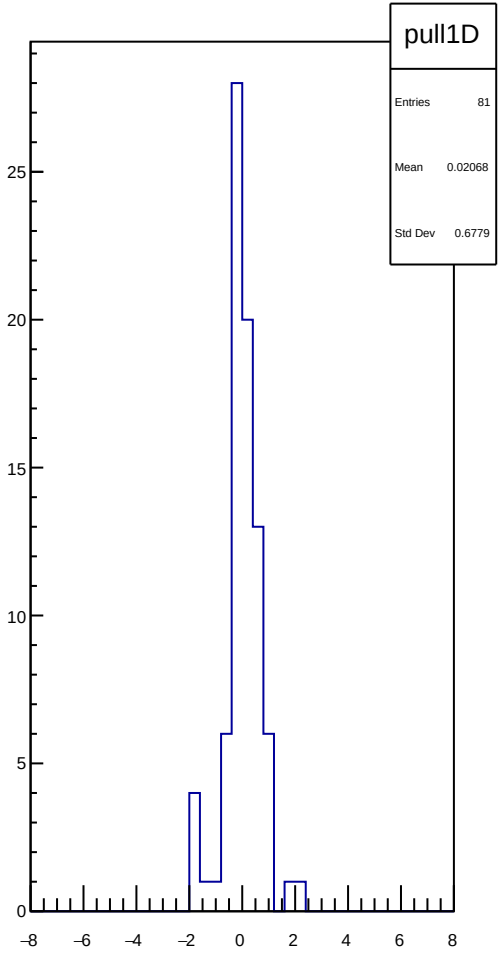

pull1D
Entries 81
Mean 1.935
Std Dev 4.113

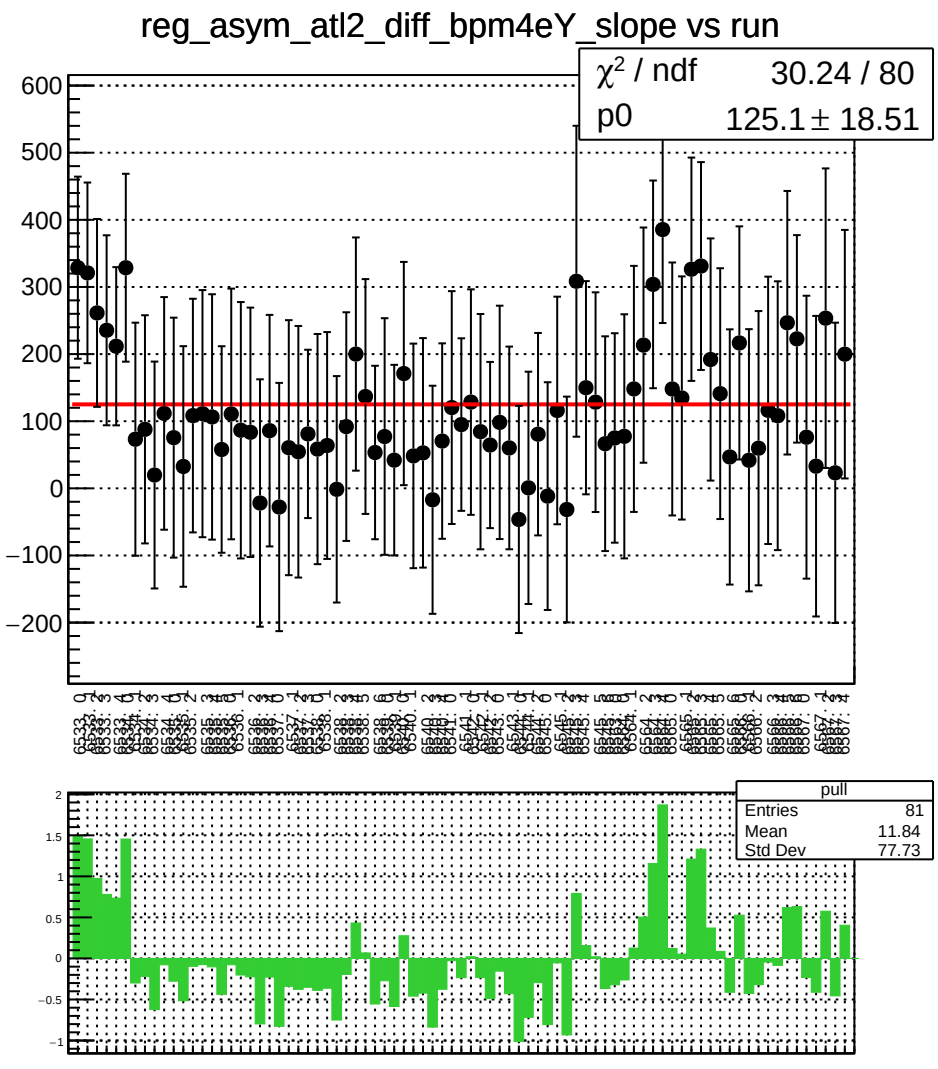

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 36.03 / 80
p0 −592.9 ± 10.68
pull
Entries 81
Mean 445.6
Std Dev 407.1
pull1D
Entries 81
Mean −0.02596
Std Dev 0.6665

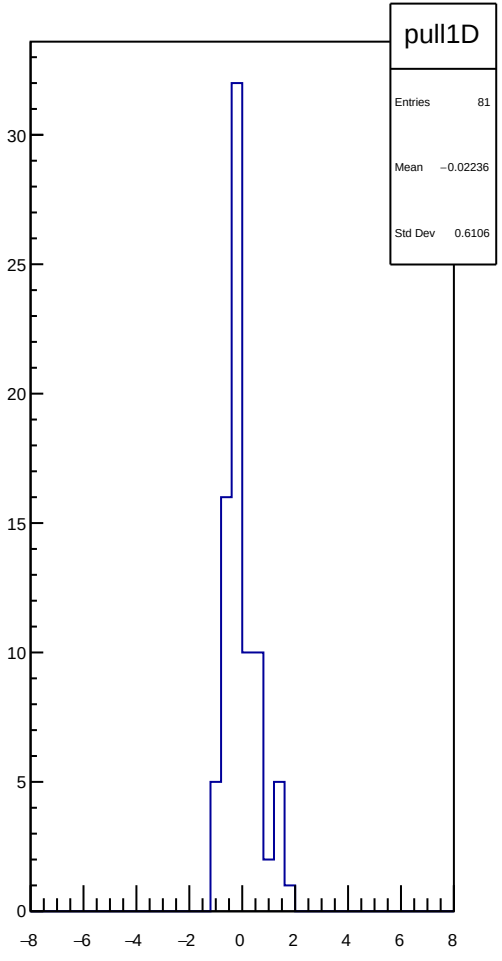

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 29.26 / 80
p0 35.77 ± 19.23
pull
Entries 81
Mean 54.82
Std Dev 64.37

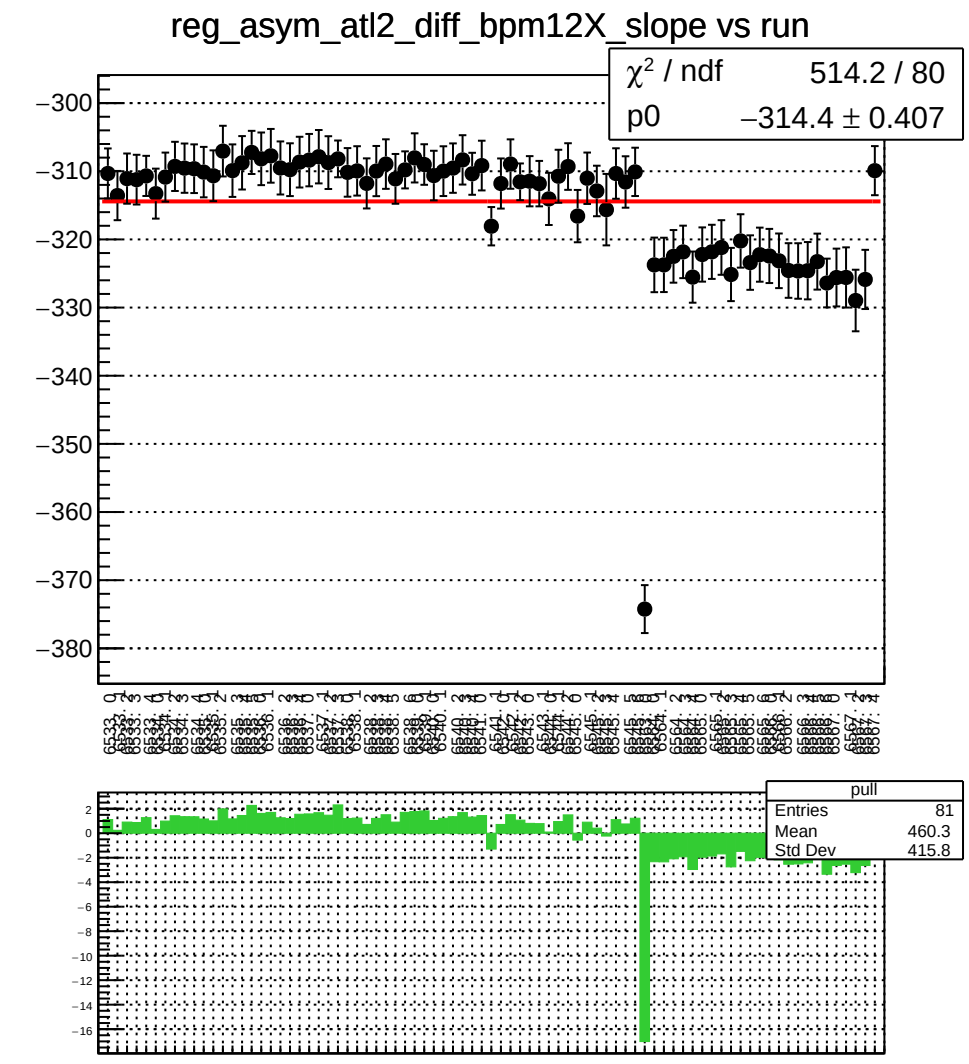

pull1D
Entries 81
Mean 0.02538
Std Dev 0.6005

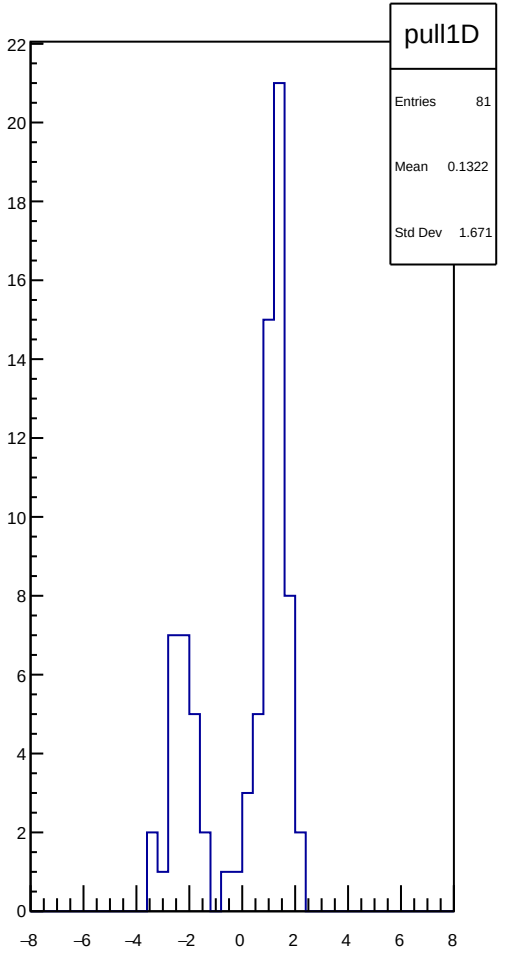

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 37.26 / 80
p0 583.2 ± 11.57
pull
Entries 81
Mean 590.5
Std Dev 551.7

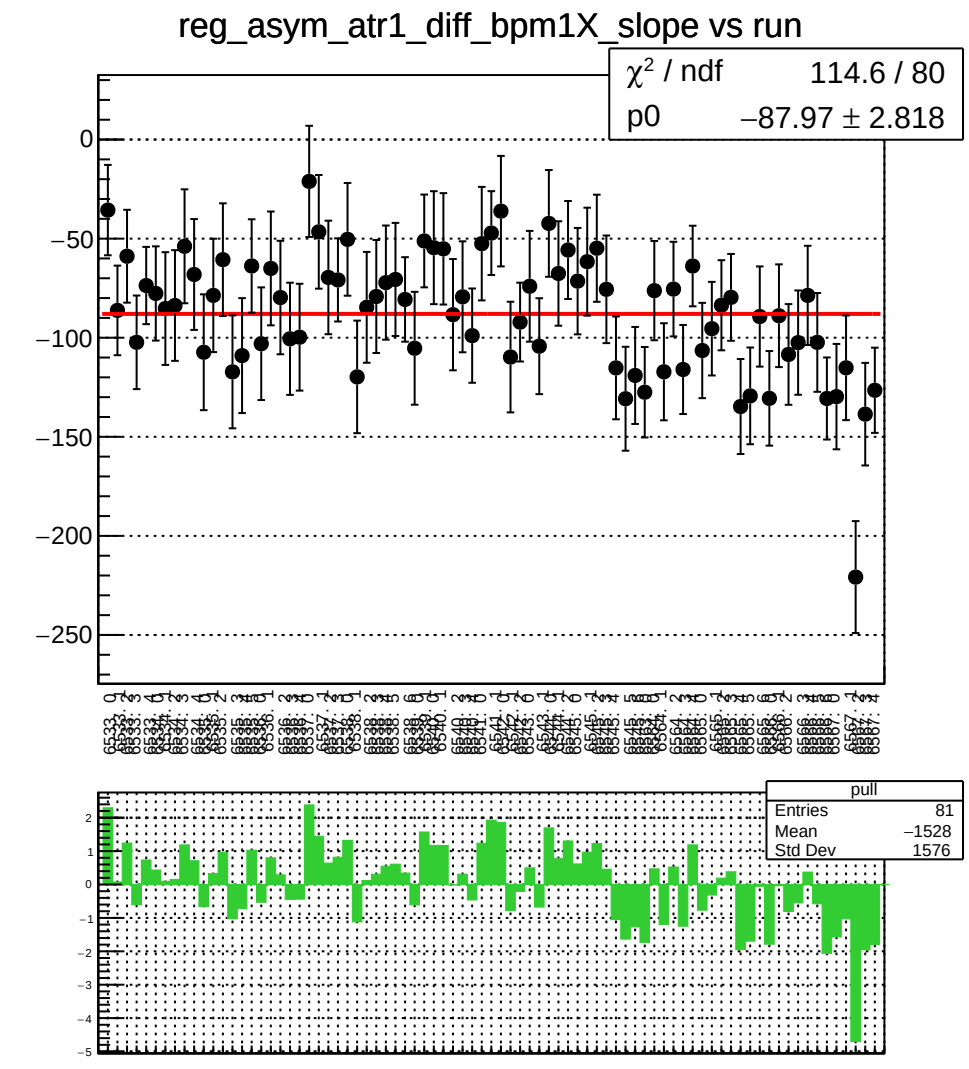

pull1D
Entries 81
Mean 0.02068
Std Dev 0.6779

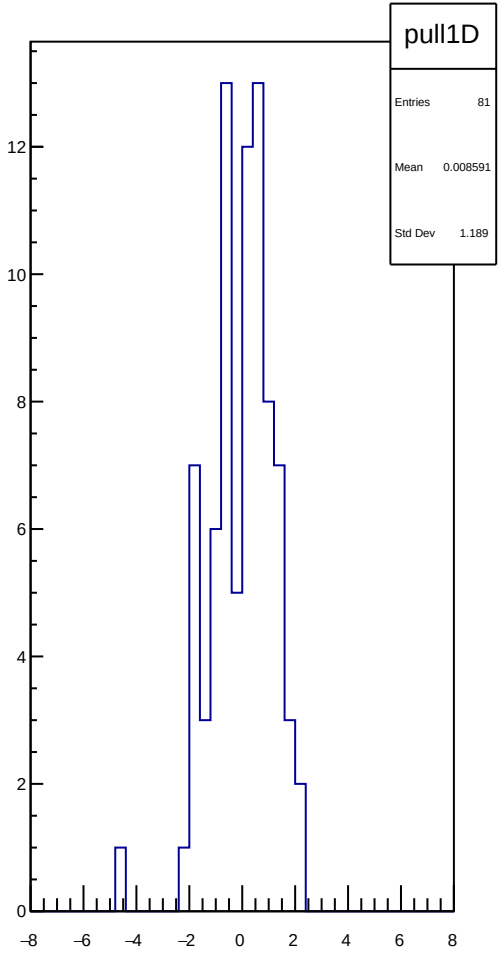

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 30.24 / 80
p0 125.1 ± 18.51
pull
Entries 81
Mean 11.84
Std Dev 77.73

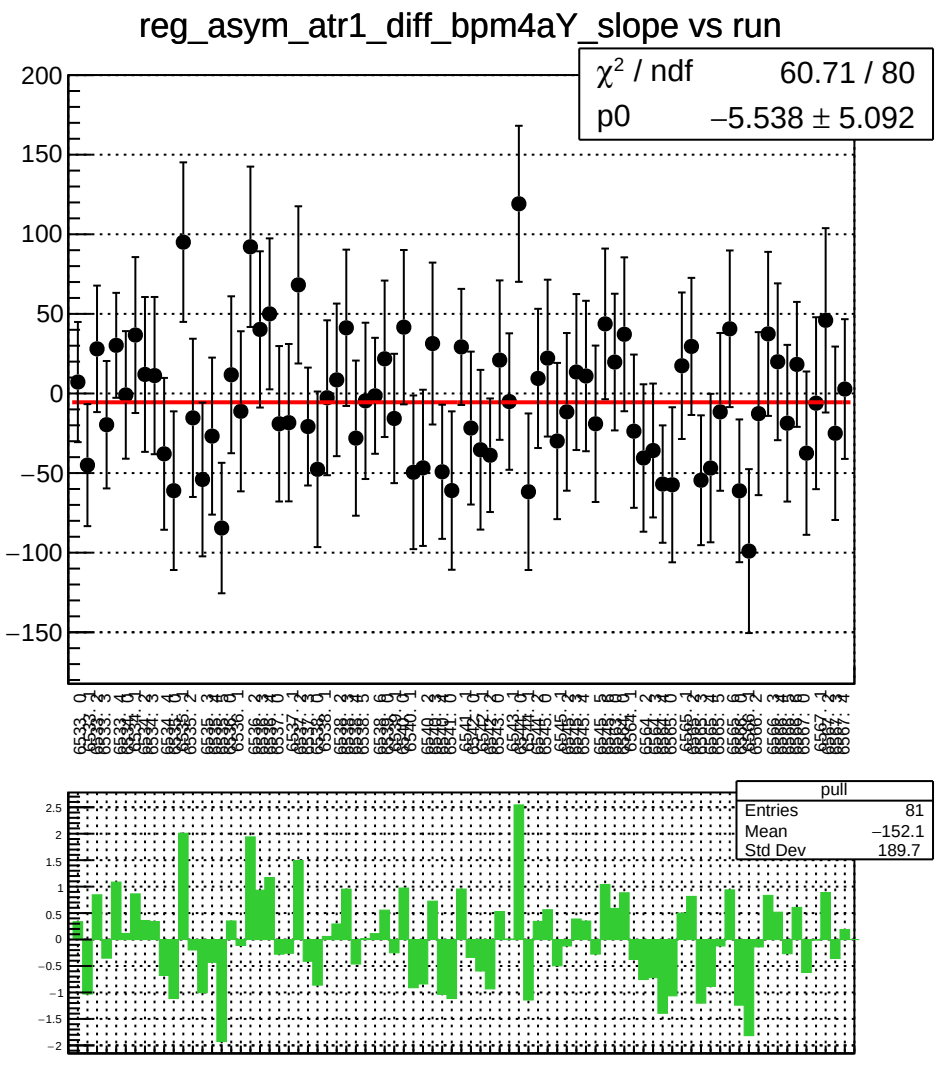

pull1D
Entries 81
Mean −0.02236
Std Dev 0.6106

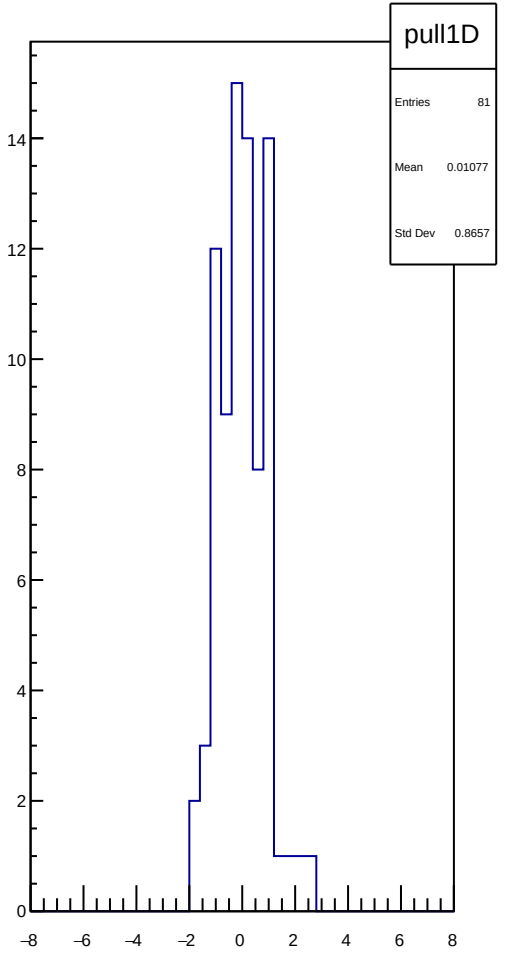

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 514.2 / 80
p0 −314.4 ± 0.407
pull
Entries 81
Mean 460.3
Std Dev 415.8

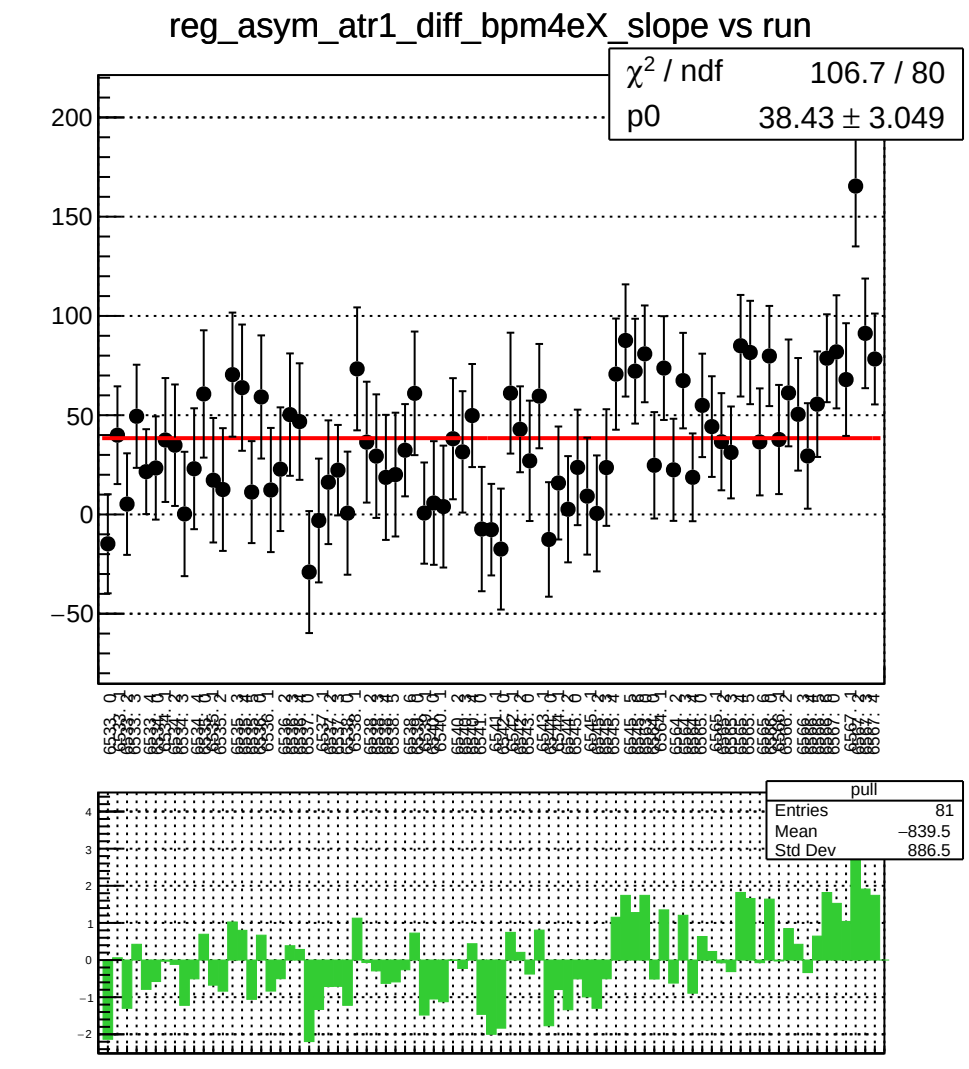

pull1D
Entries 81
Mean 0.1322
Std Dev 1.671

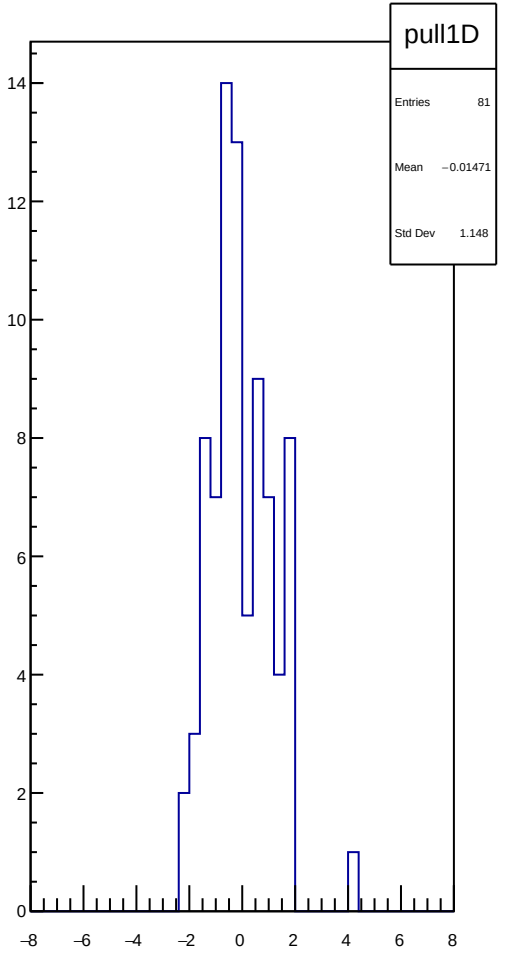

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 114.6 / 80
p0 −87.97 ± 2.818
pull
Entries 81
Mean −1528
Std Dev 1576

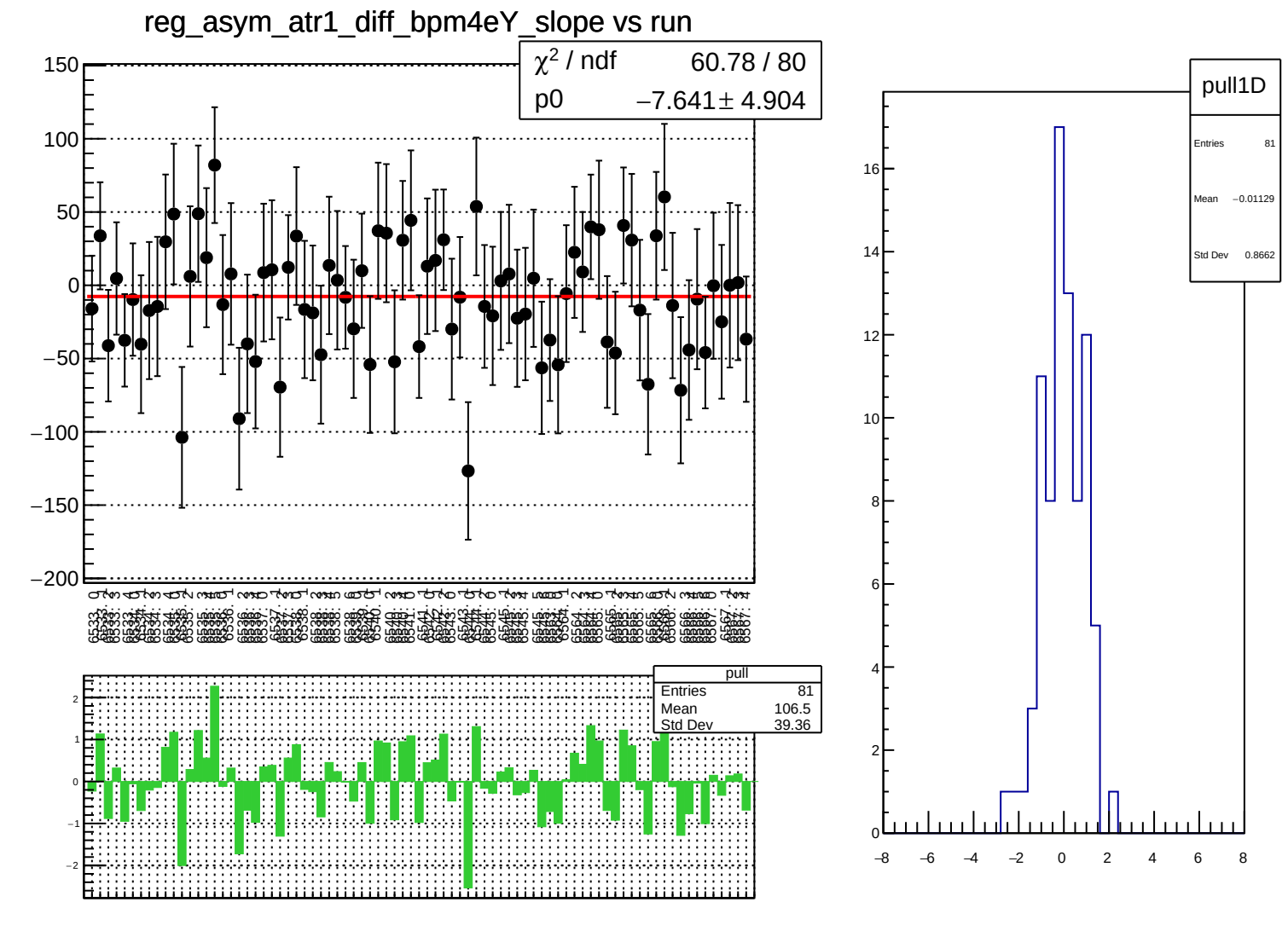

pull1D
Entries 81
Mean 0.008591
Std Dev 1.189

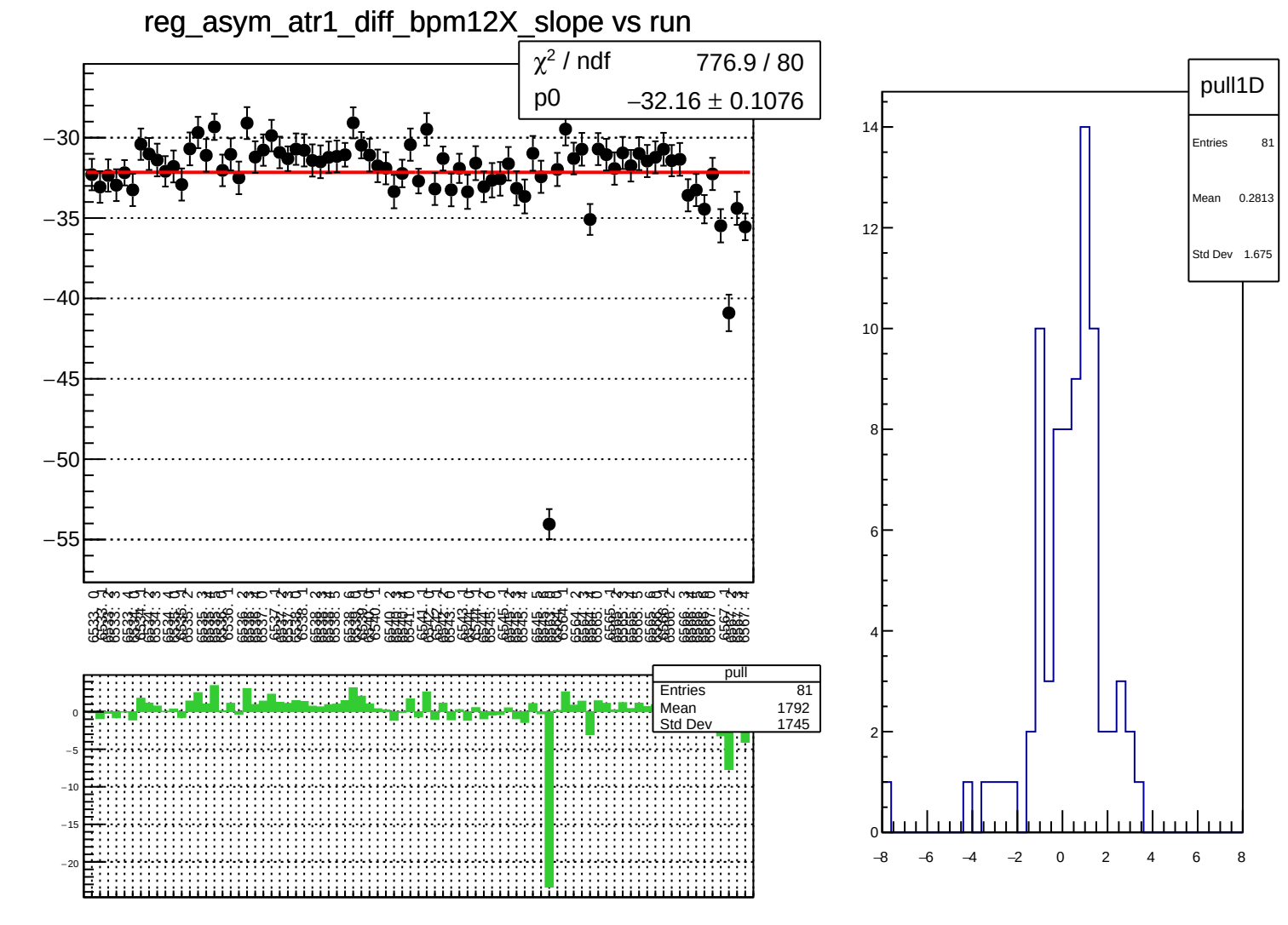

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 60.71 / 80
p0 −5.538 ± 5.092
pull
Entries 81
Mean −152.1
Std Dev 189.7

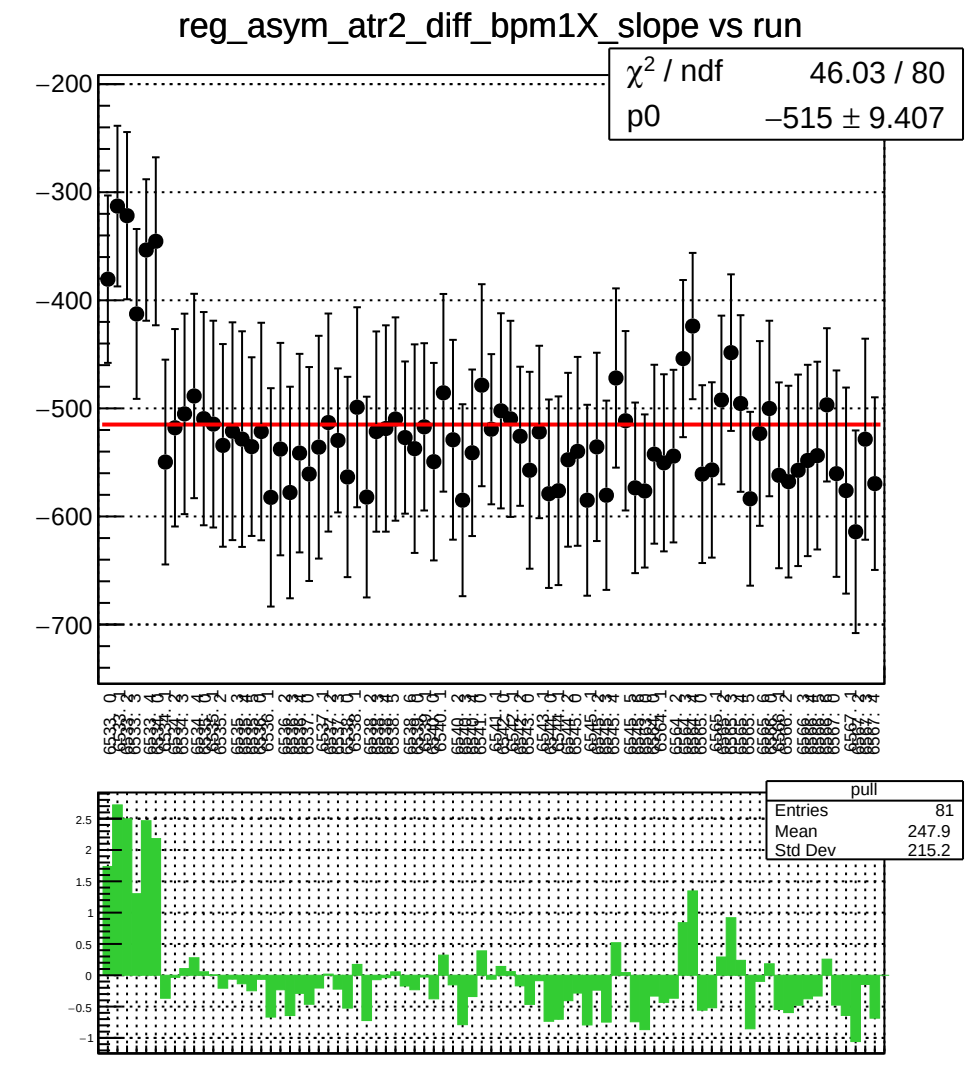

pull1D
Entries 81
Mean 0.01077
Std Dev 0.8657

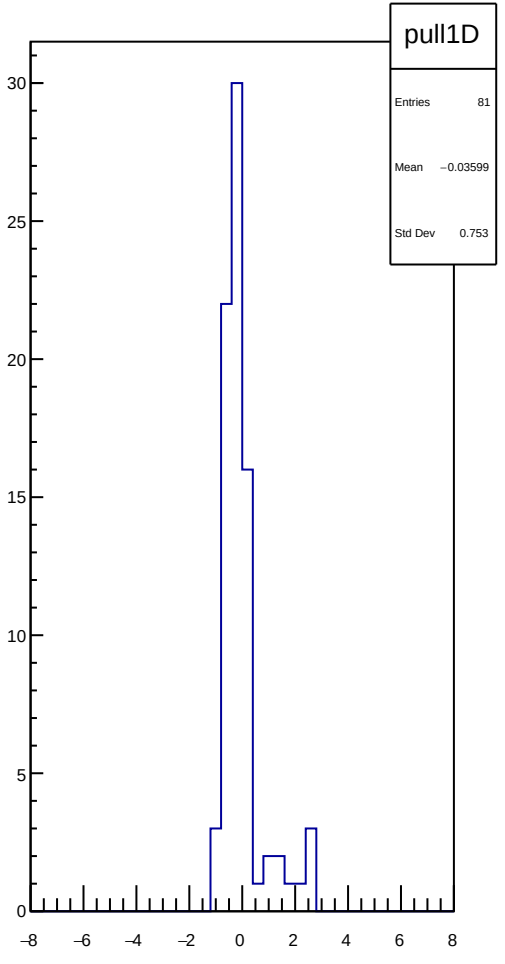

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 106.7 / 80
p0 38.43 ± 3.049
pull
Entries 81
Mean −839.5
Std Dev 886.5

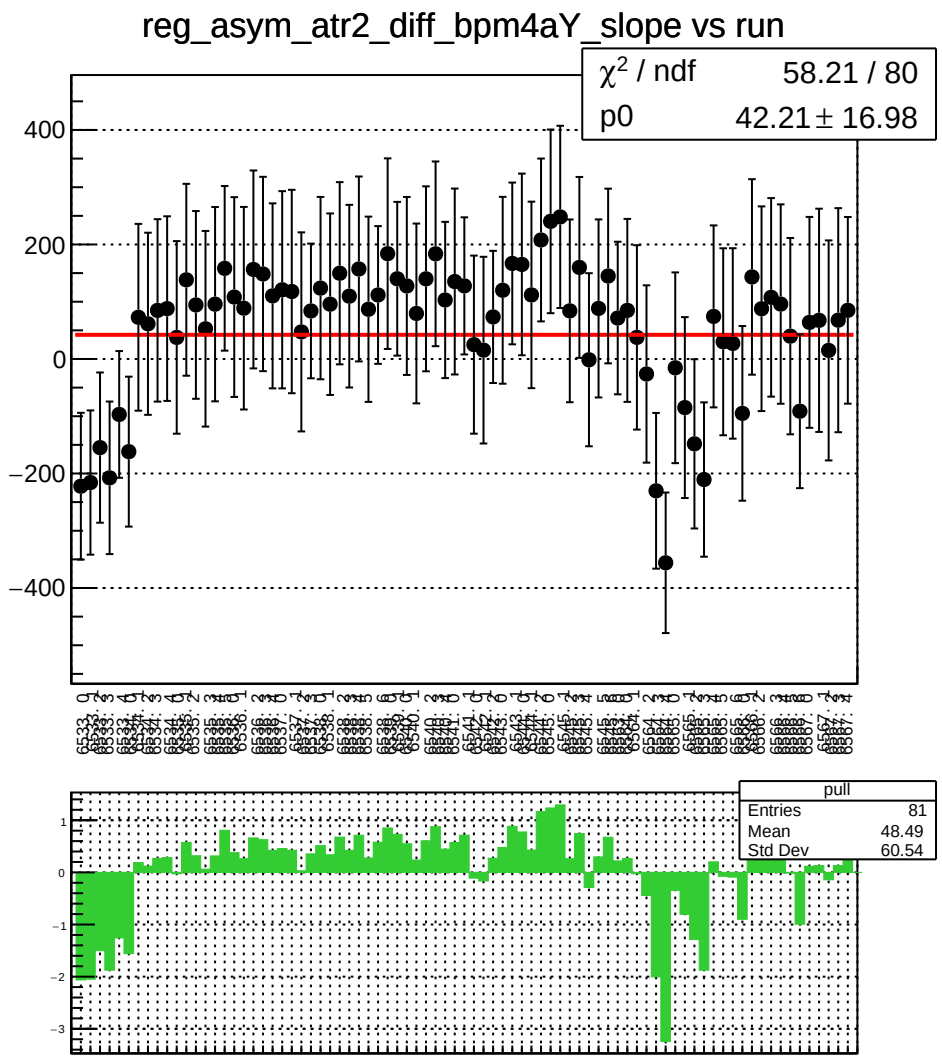

pull1D
Entries 81
Mean −0.01471
Std Dev 1.148

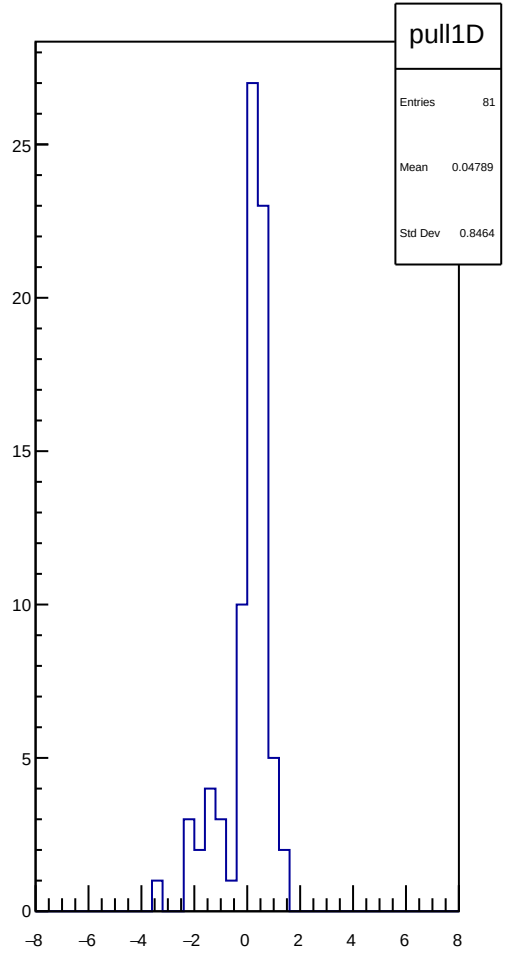

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 60.78 / 80
p0 −7.641 ± 4.904
pull
Entries 81
Mean 106.5
Std Dev 39.36
pull1D
Entries 81
Mean −0.01129
Std Dev 0.8662

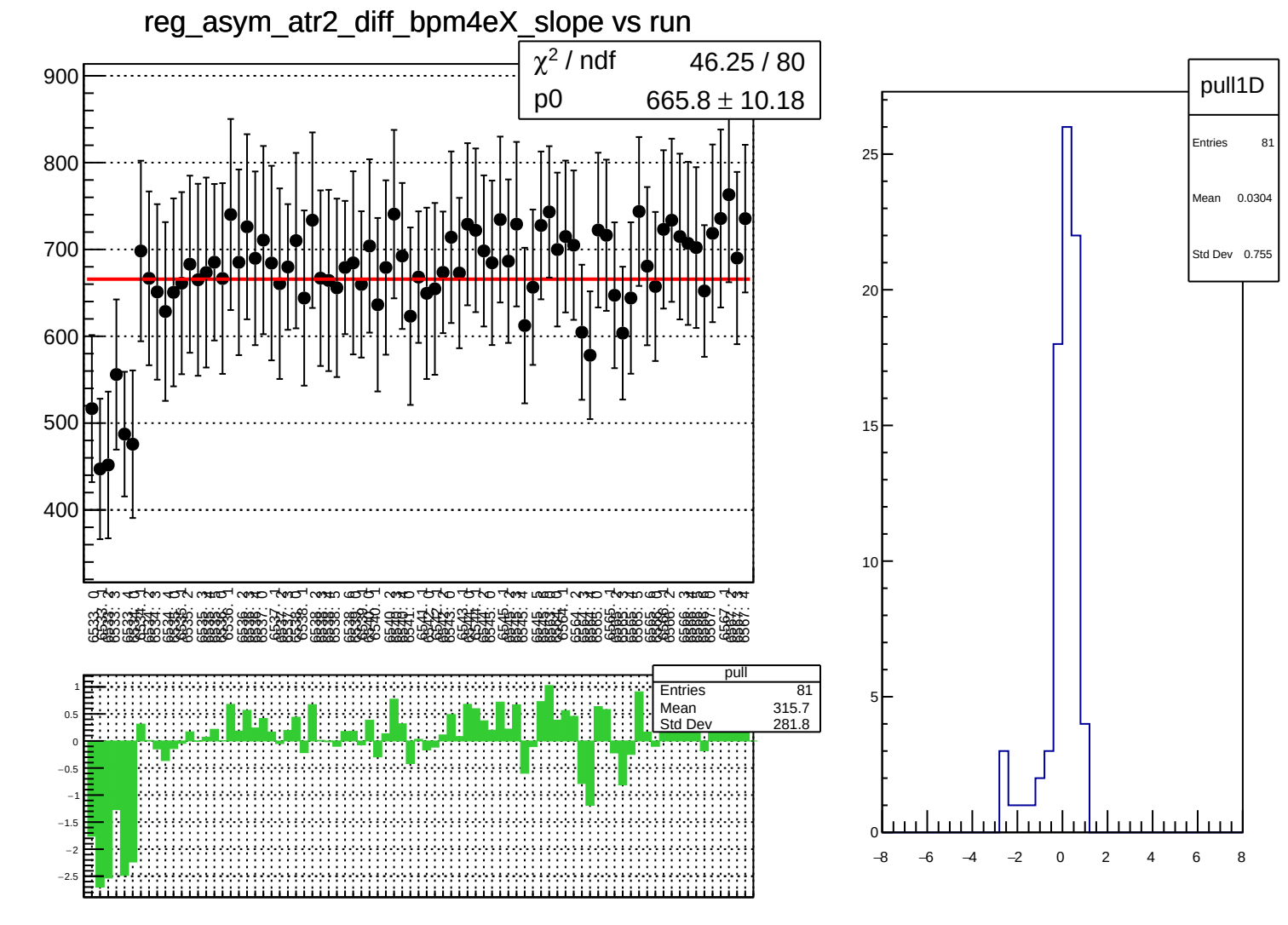

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 776.9 / 80
p0 −32.16 ± 0.1076
pull
Entries 81
Mean 1792
Std Dev 1745
pull1D
Entries 81
Mean 0.2813
Std Dev 1.675

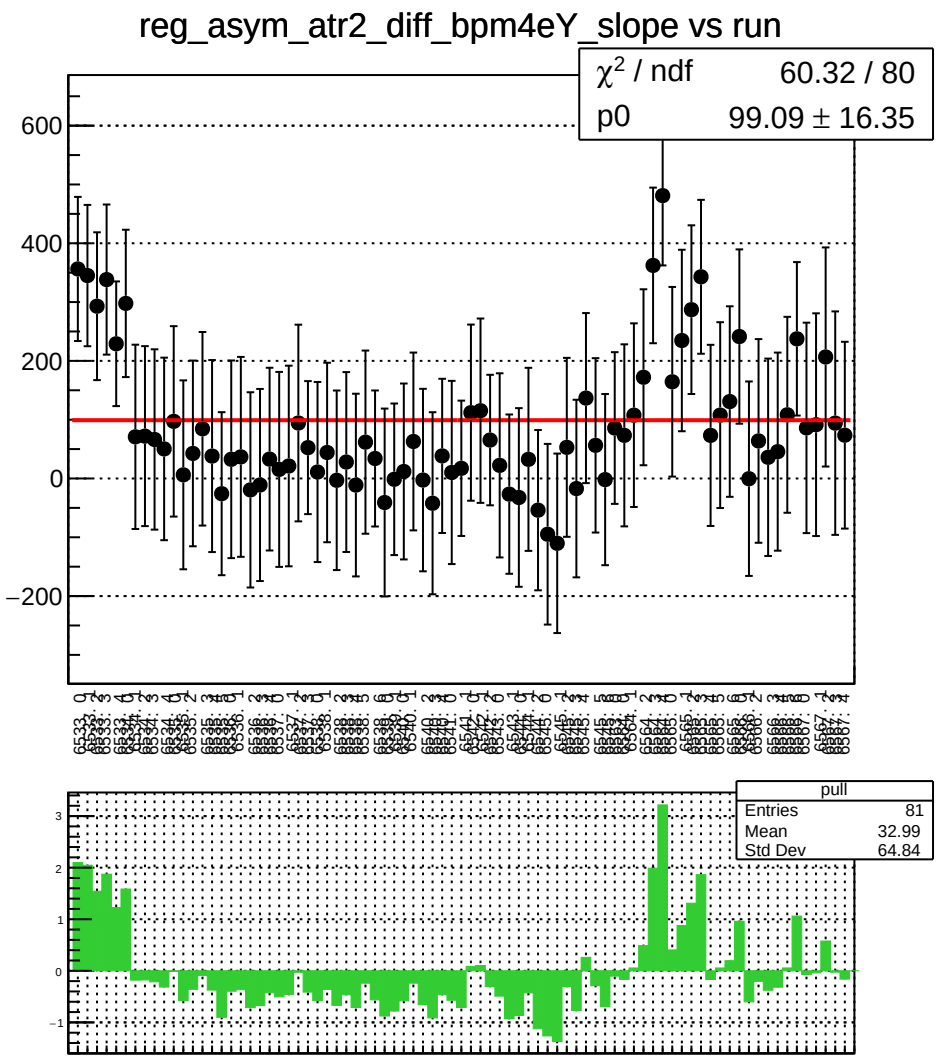

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 46.03 / 80
p0 −515 ± 9.407
pull
Entries 81
Mean 247.9
Std Dev 215.2

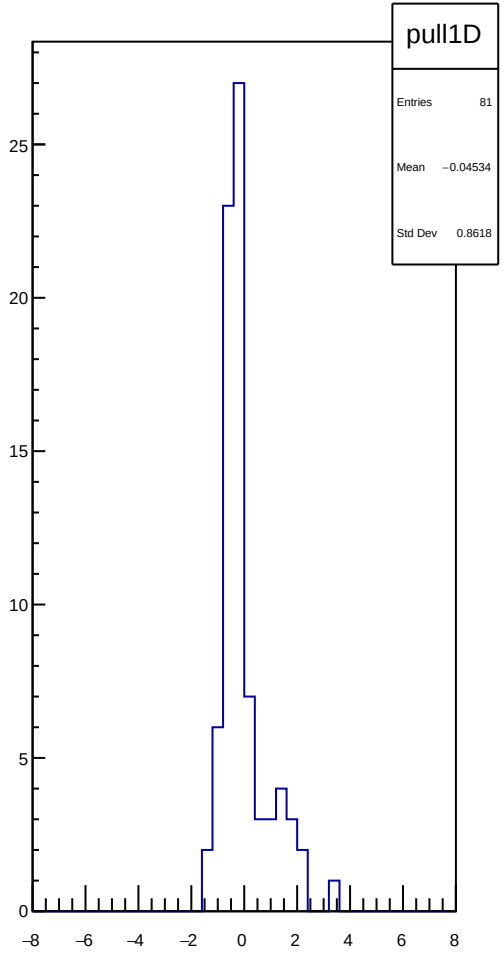

pull1D
Entries 81
Mean −0.03599
Std Dev 0.753

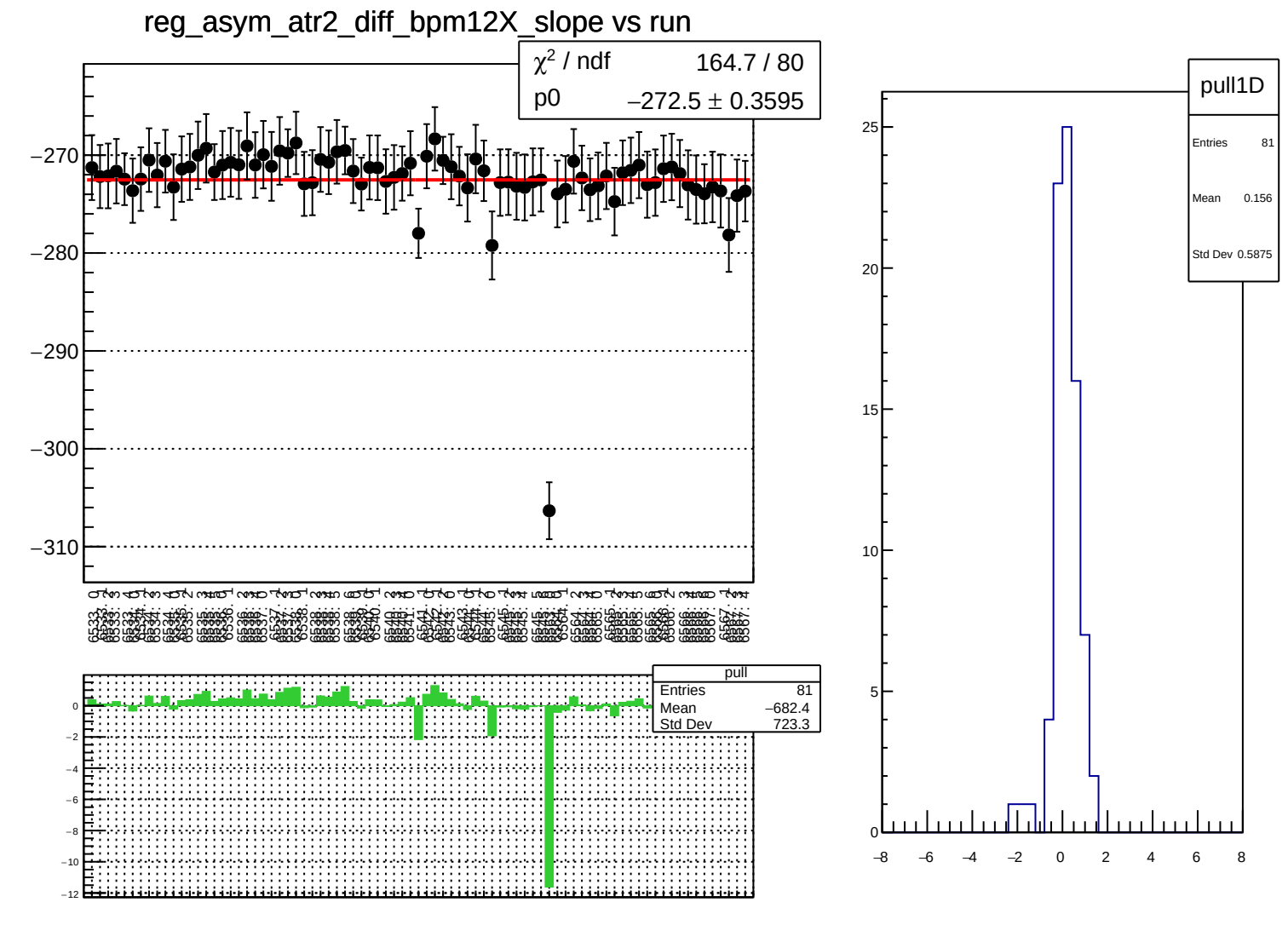

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 58.21 / 80
p0 42.21 ± 16.98
400
200
0
−200
−400
pull
Entries 81
Mean 48.49
Std Dev 60.54
1
0
−1
−2
−3

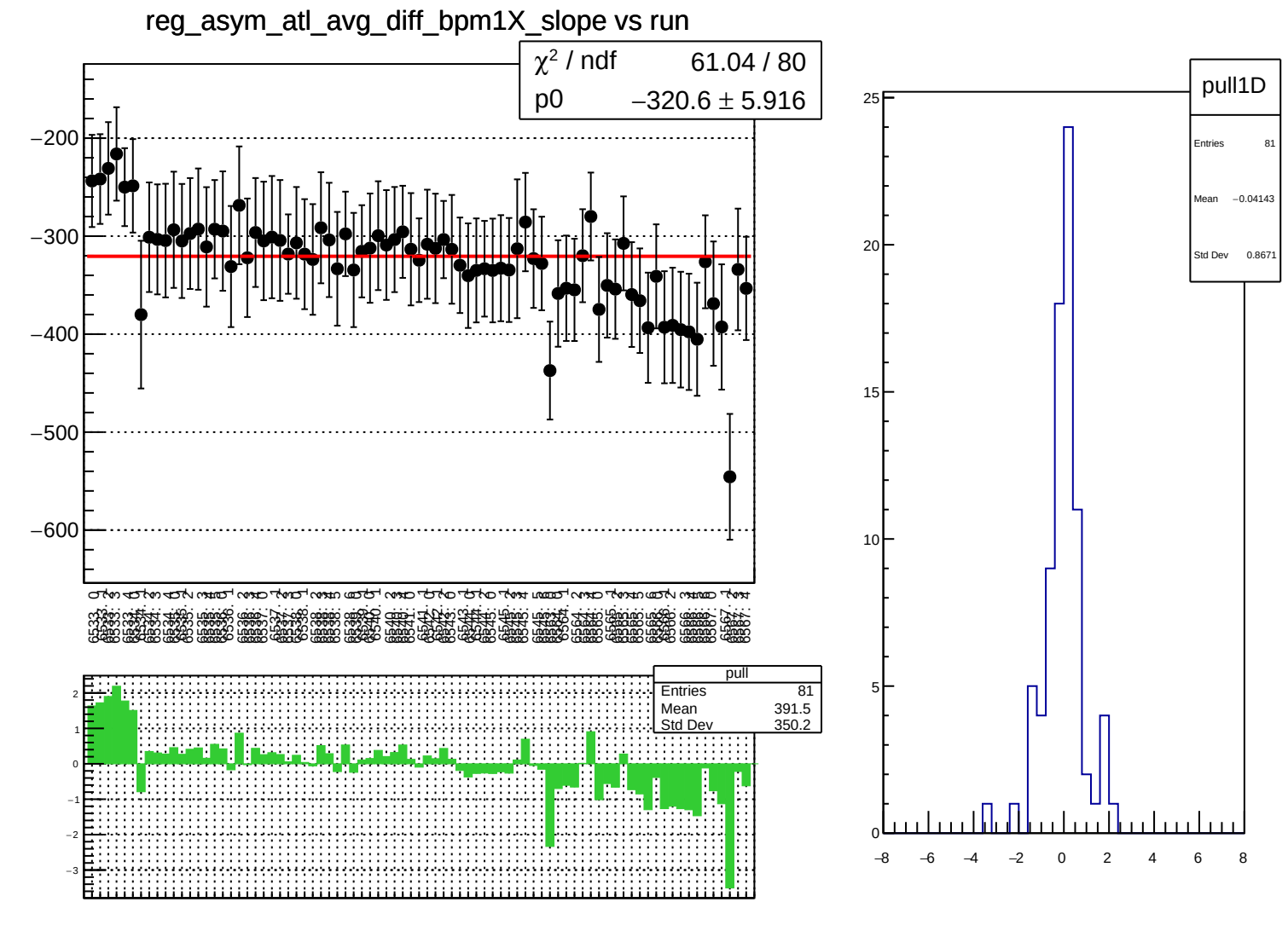

pull1D
Entries 81
Mean 0.04789
Std Dev 0.8464
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

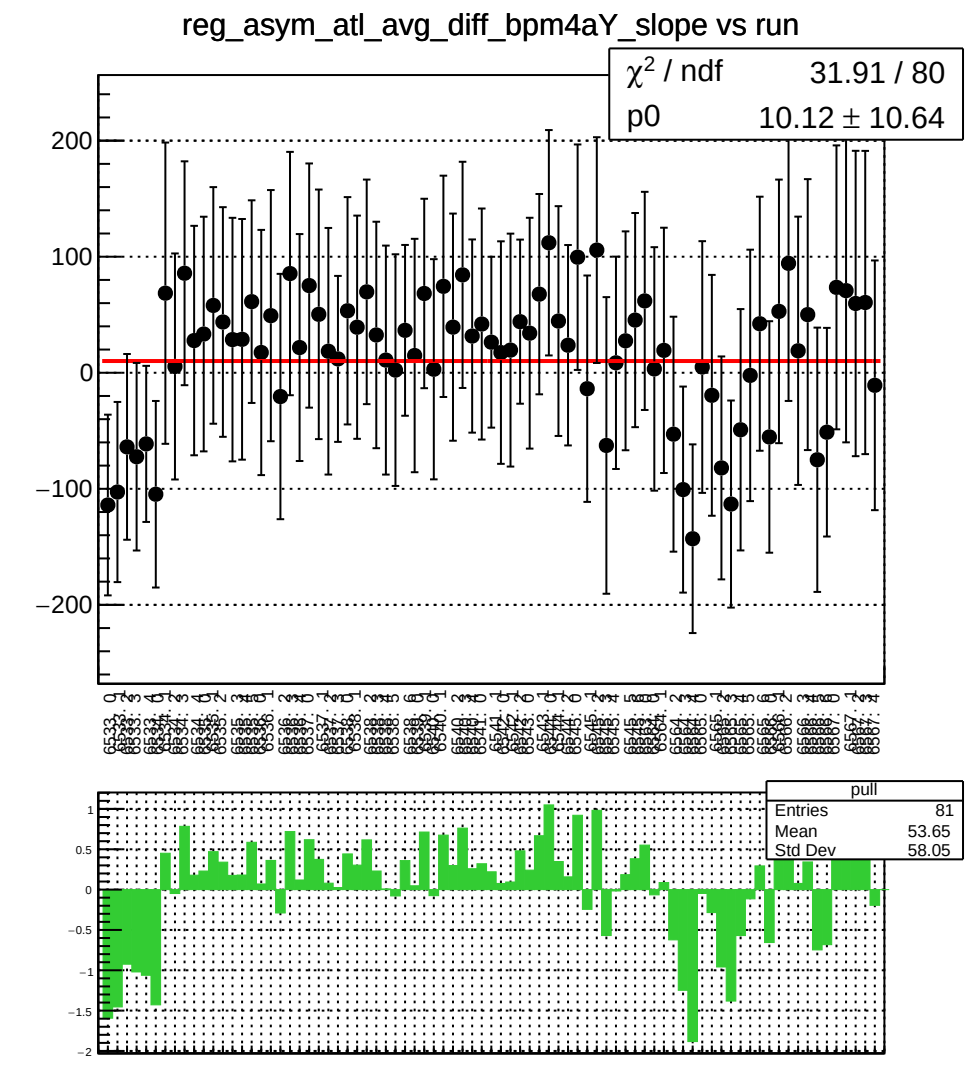

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 46.25 / 80
p0 665.8 ± 10.18
900
800
700
600
500
400
pull
Entries 81
Mean 315.7
Std Dev 281.8
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean 0.0304
Std Dev 0.755
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

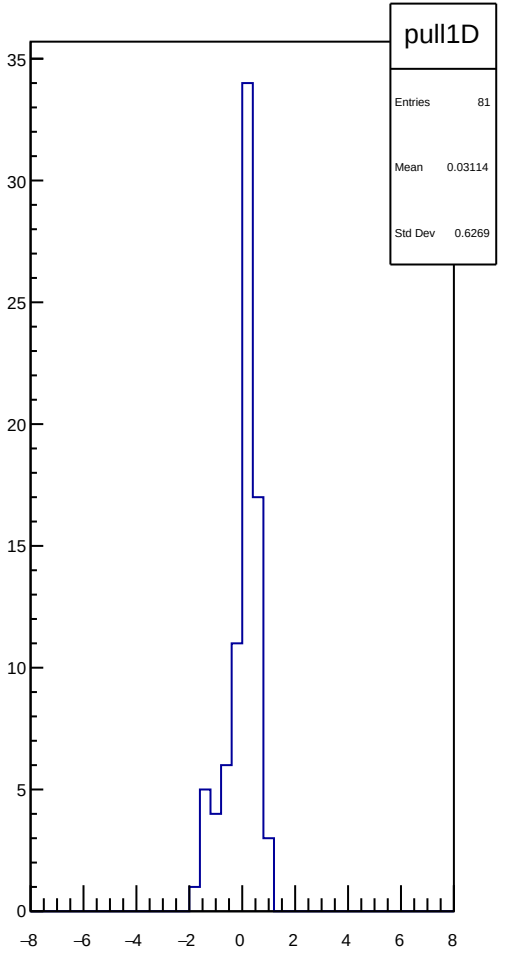

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 60.32 / 80
p0 99.09 ± 16.35
600
400
200
0
−200
pull
Entries 81
Mean 32.99
Std Dev 64.84
3
2
1
0
−1

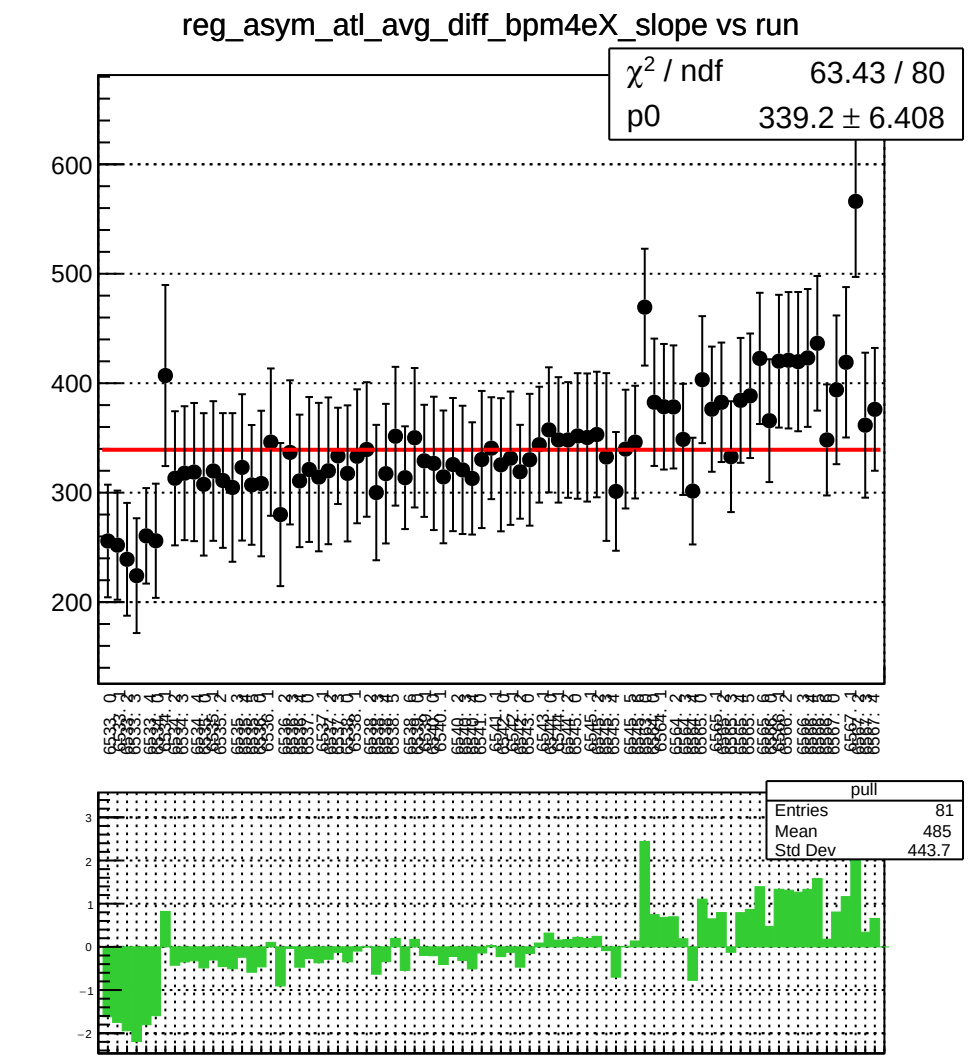

pull1D
Entries 81
Mean −0.04534
Std Dev 0.8618
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

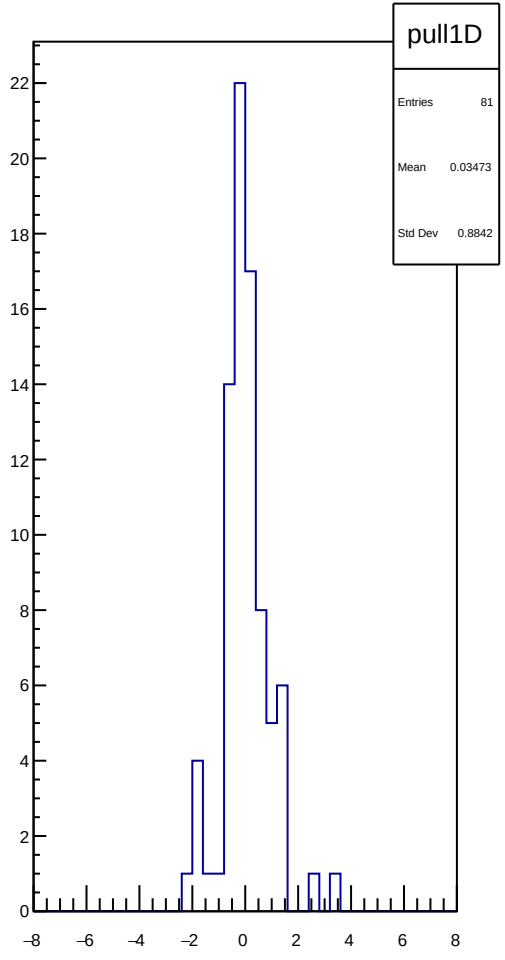

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 164.7 / 80
p0 −272.5 ± 0.3595
−270
−280
−290
−300
−310
pull
Entries 81
Mean −682.4
Std Dev 723.3
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 81
Mean 0.156
Std Dev 0.5875
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

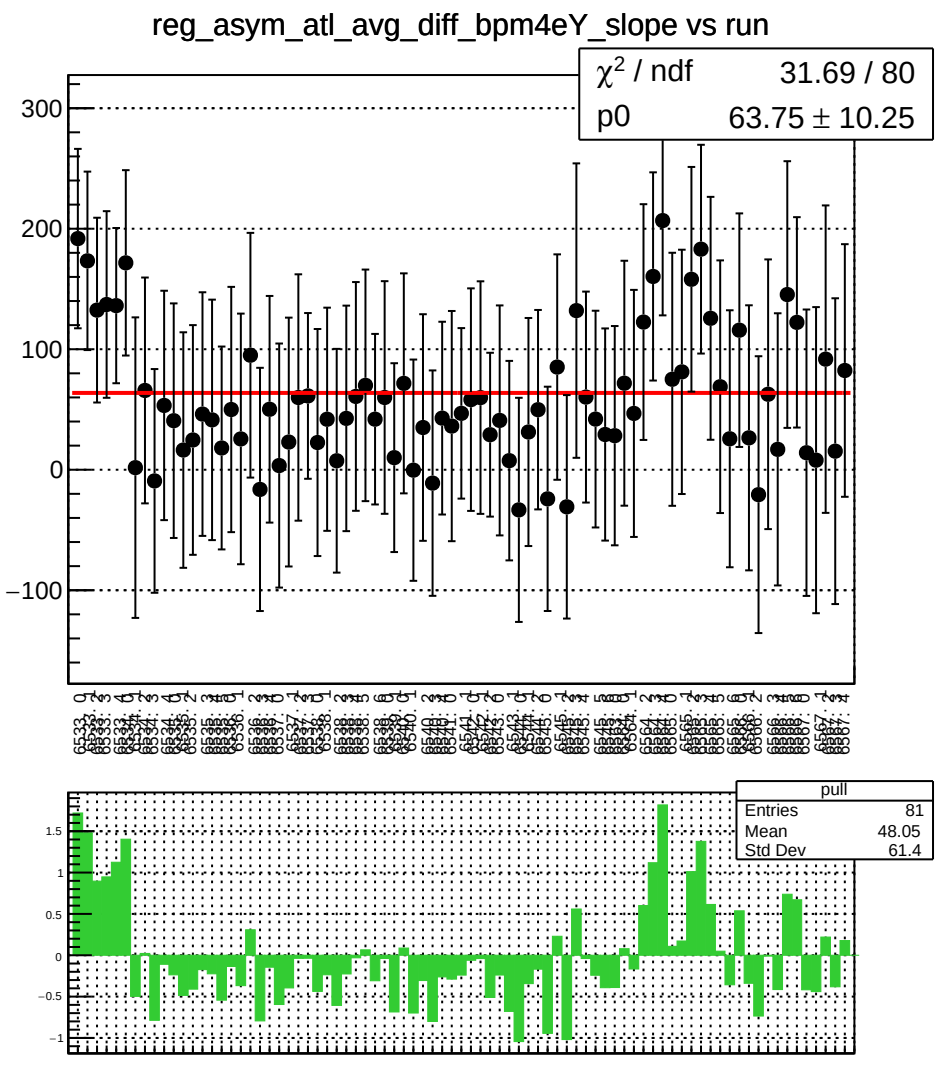

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 61.04 / 80
p0 −320.6 ± 5.916
−200
−300
−400
−500
−600
pull
Entries 81
Mean 391.5
Std Dev 350.2
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.04143
Std Dev 0.8671
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

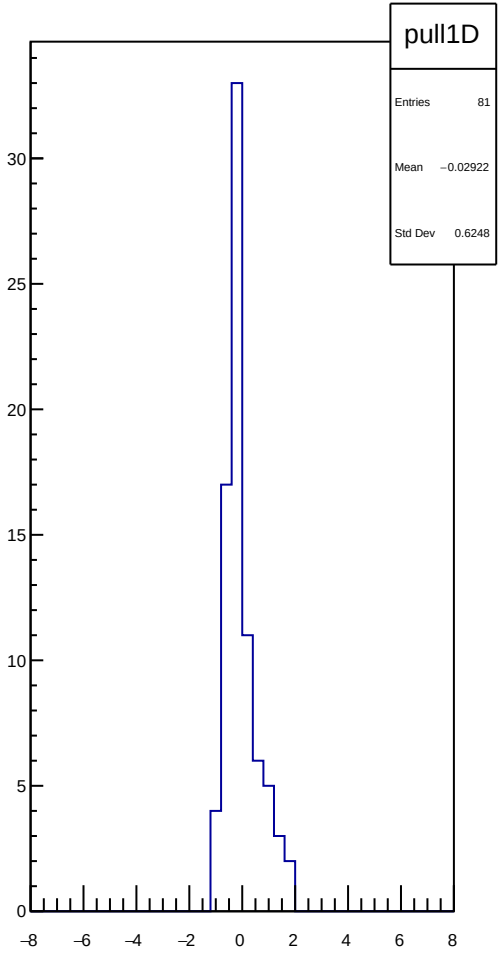

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.91 / 80
p0 10.12 ± 10.64
pull
Entries 81
Mean 53.65
Std Dev 58.05

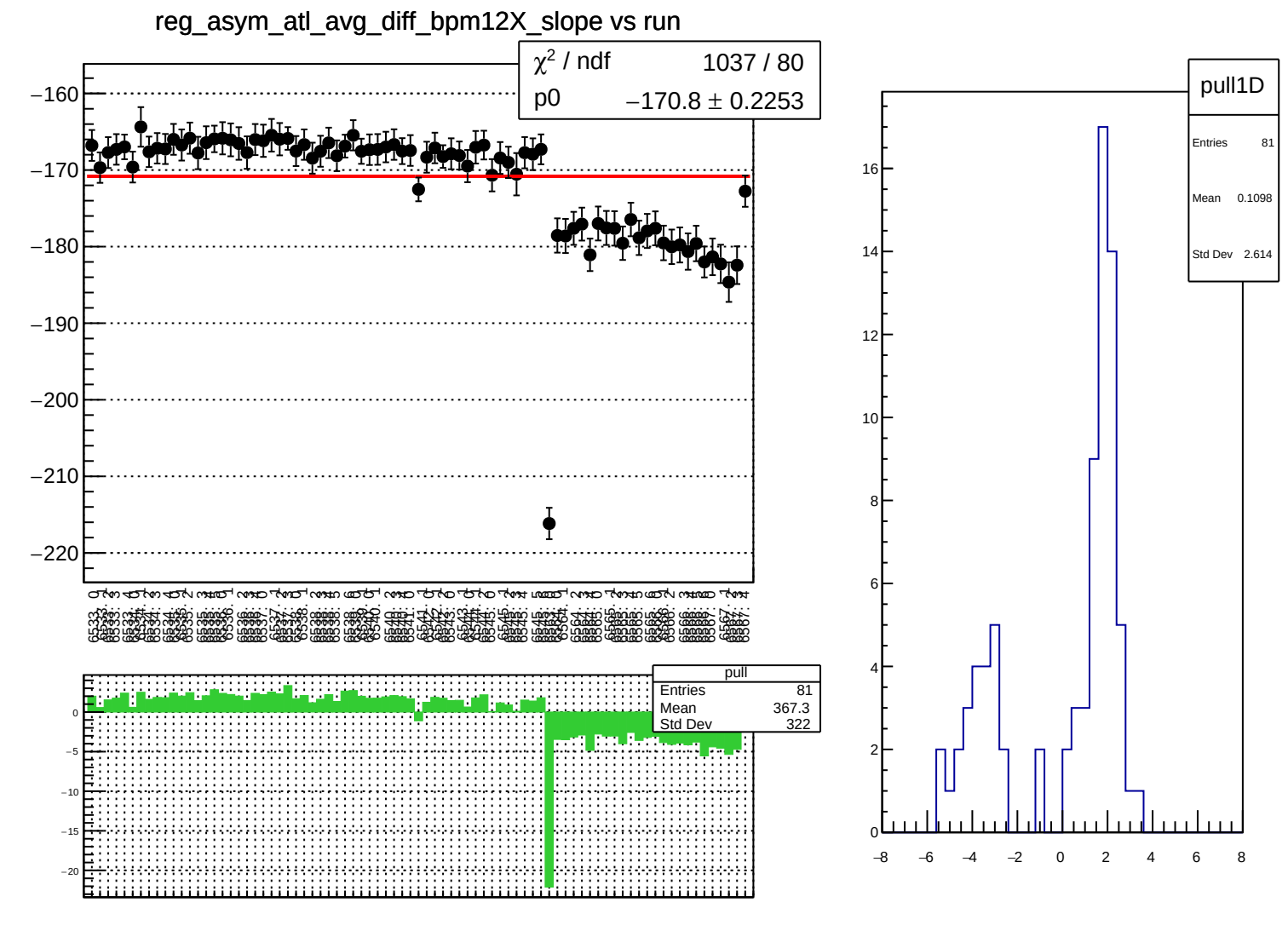

pull1D
Entries 81
Mean 0.03114
Std Dev 0.6269

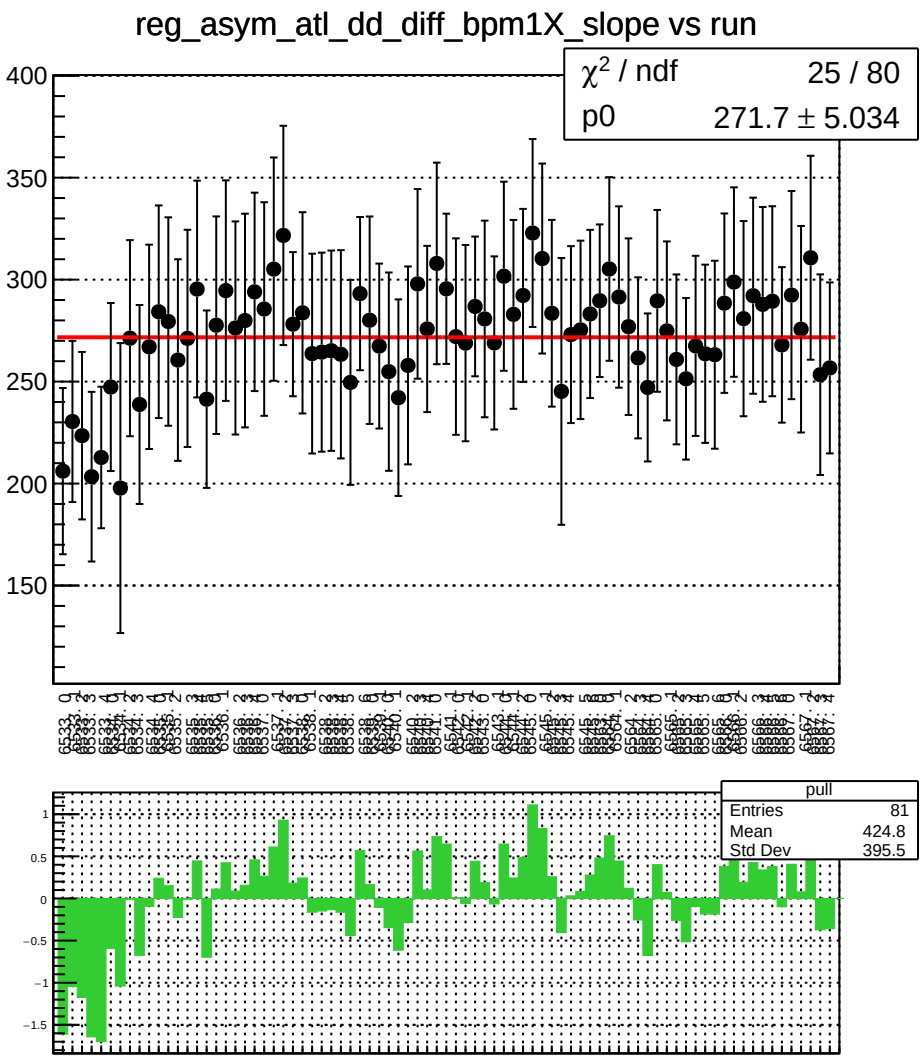

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.43 / 80
p0 339.2 ± 6.408
600
500
400
300
200
pull
Entries 81
Mean 485
Std Dev 443.7
3
2
1
0
−1
−2

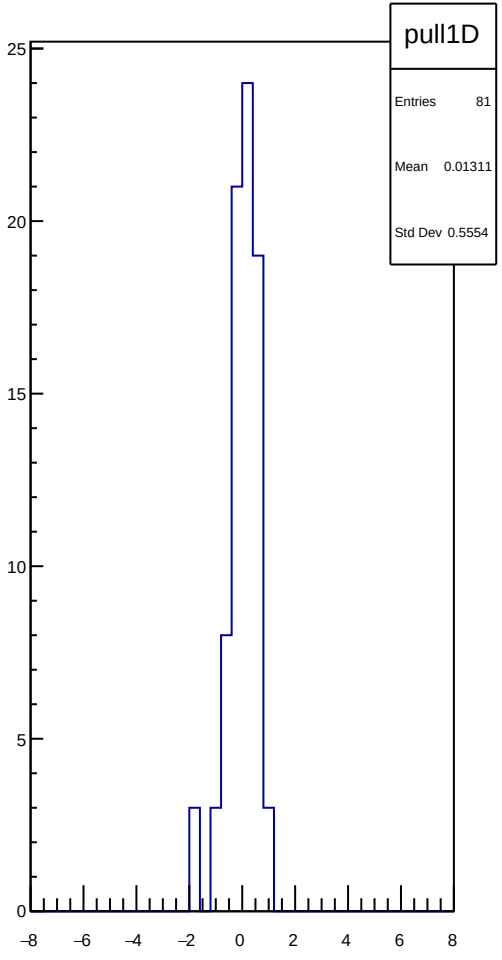

pull1D
Entries 81
Mean 0.03473
Std Dev 0.8842
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

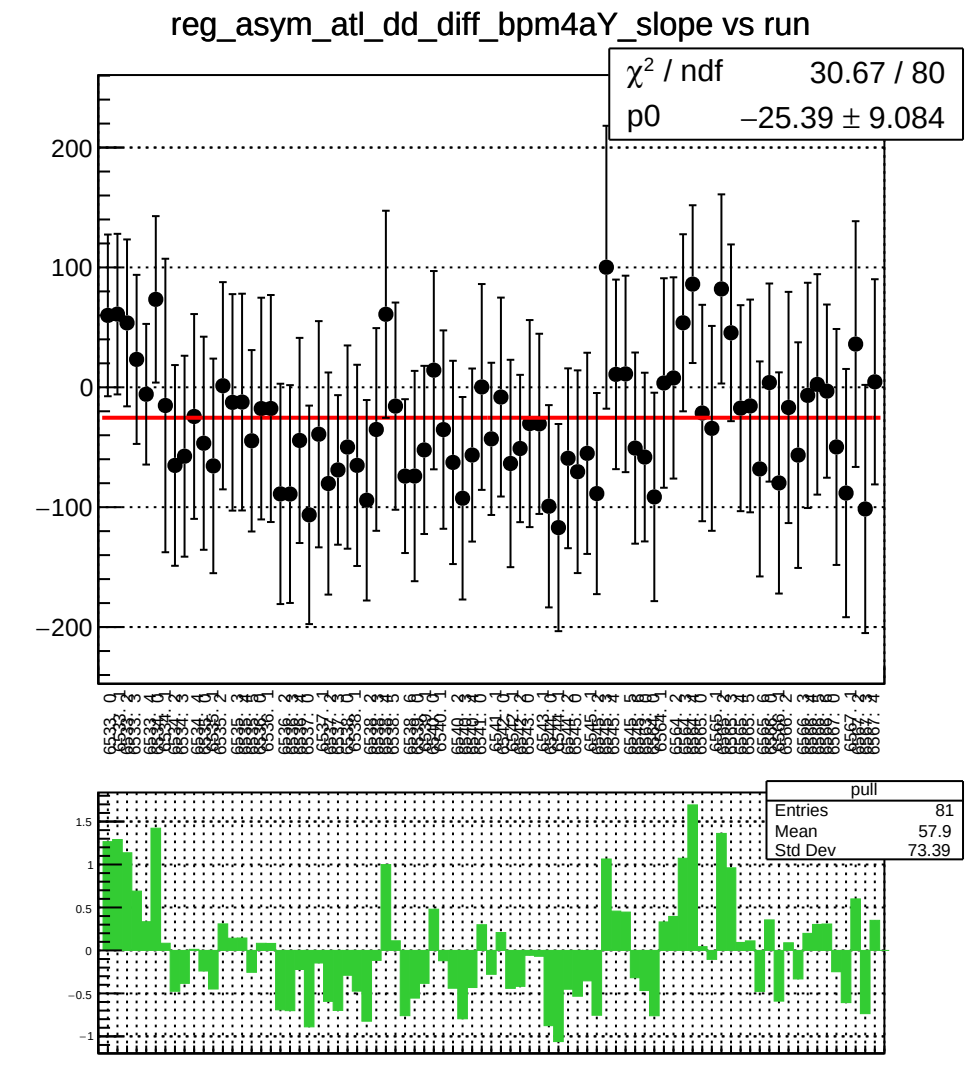

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.69 / 80
p0 63.75 ± 10.25
pull
Entries 81
Mean 48.05
Std Dev 61.4

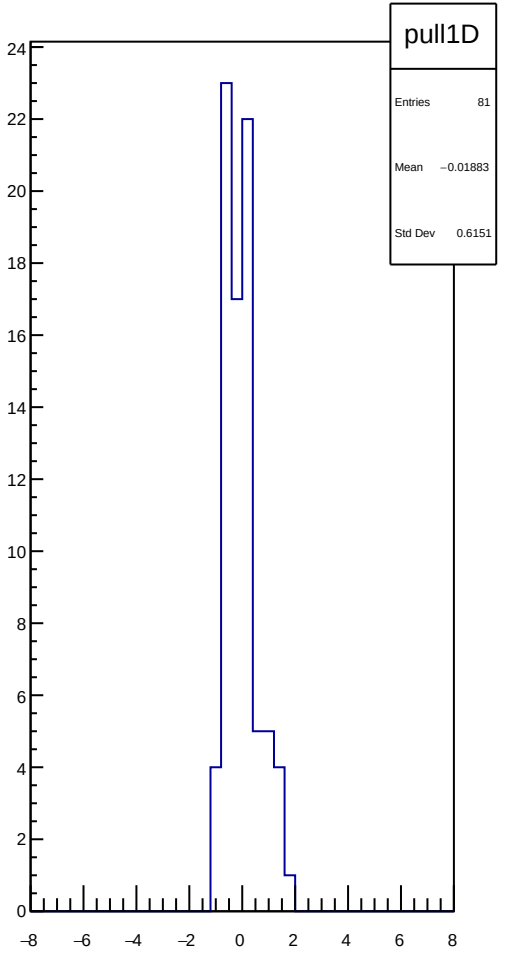

pull1D
Entries 81
Mean −0.02922
Std Dev 0.6248

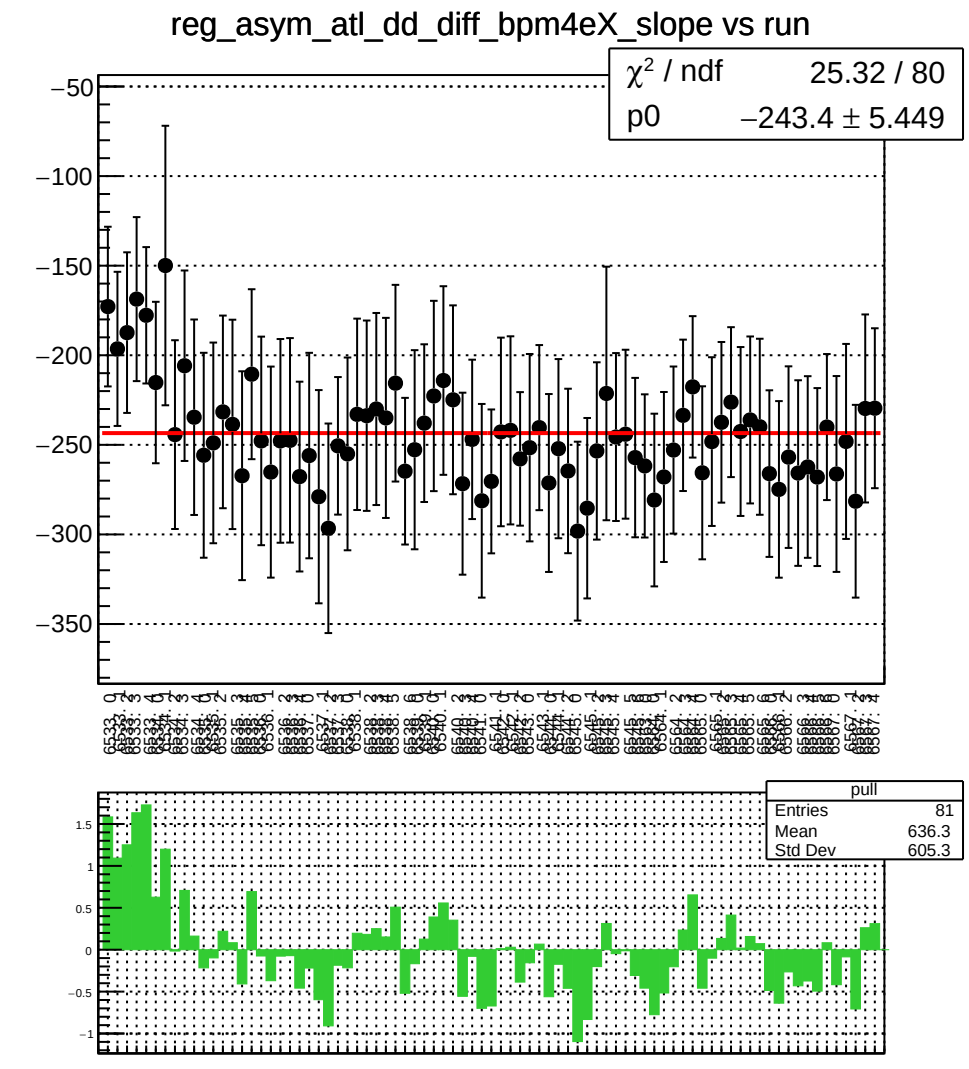

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 1037 / 80
p0 −170.8 ± 0.2253
pull
Entries 81
Mean 367.3
Std Dev 322
pull1D
Entries 81
Mean 0.1098
Std Dev 2.614

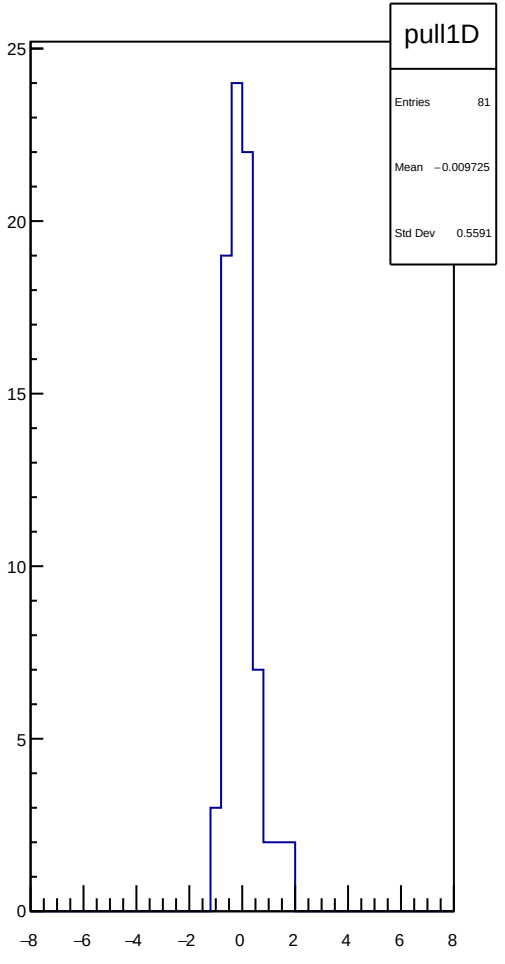

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 25 / 80
p0 271.7 ± 5.034
pull
Entries 81
Mean 424.8
Std Dev 395.5

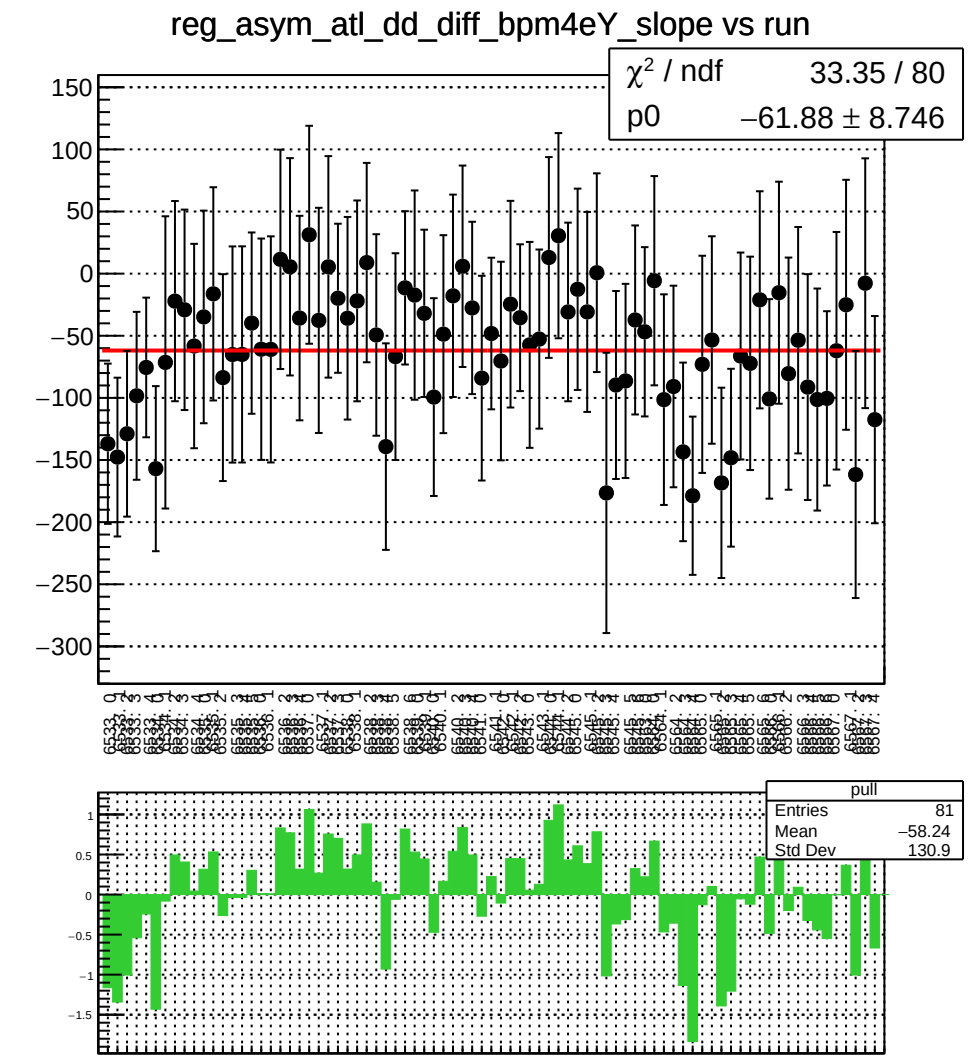

pull1D
Entries 81
Mean 0.01311
Std Dev 0.5554

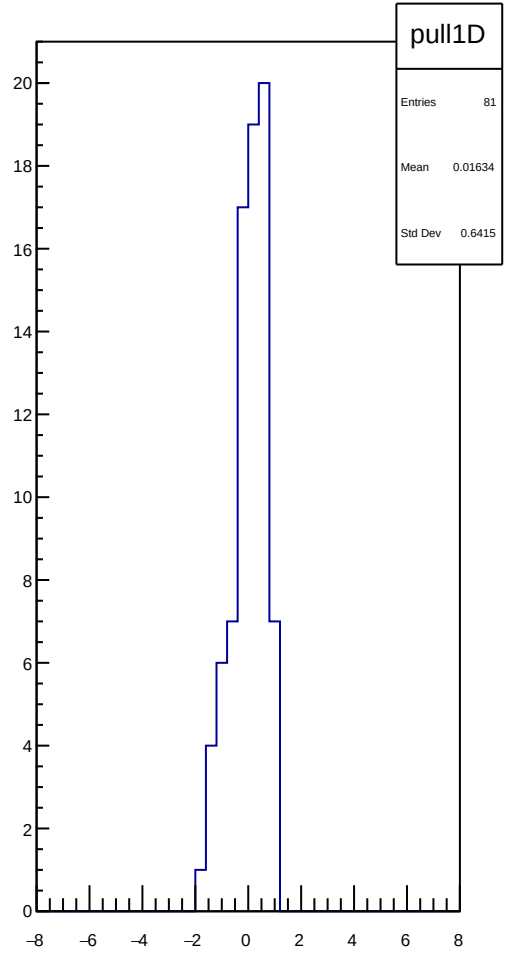

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.67 / 80
p0 −25.39 ± 9.084
200
100
0
−100
−200
pull
Entries 81
Mean 57.9
Std Dev 73.39
1.5
1
0.5
0
−0.5
−1

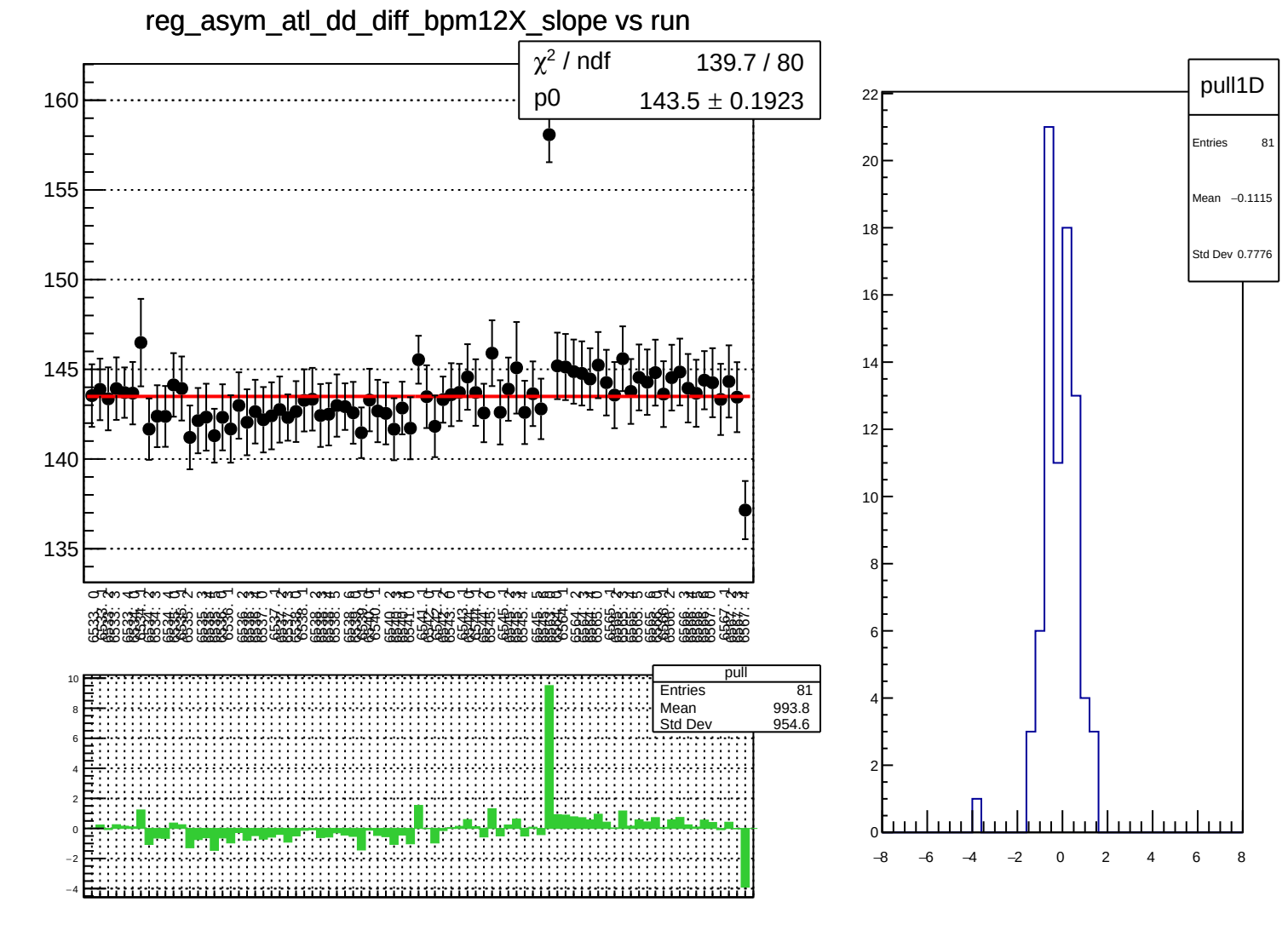

pull1D
Entries 81
Mean −0.01883
Std Dev 0.6151
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

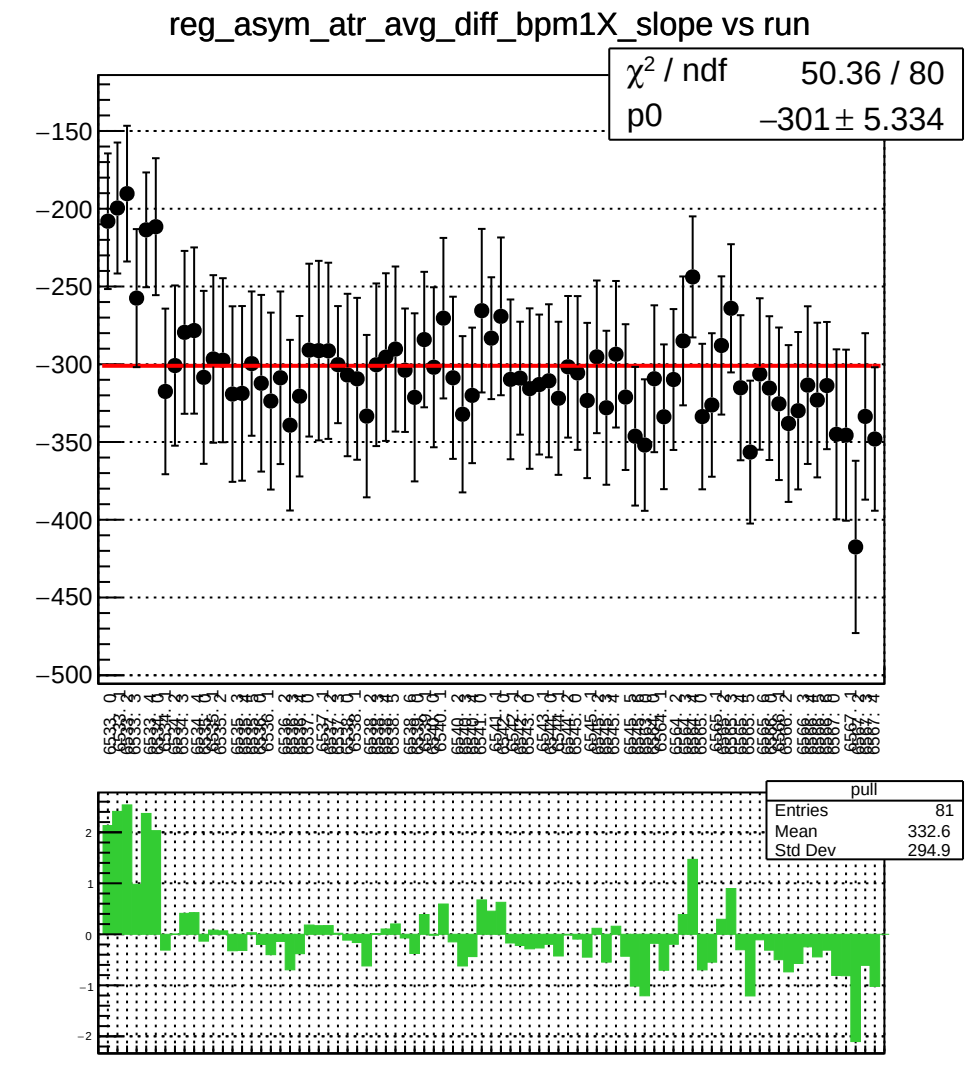

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.32 / 80
p0 −243.4 ± 5.449
pull
Entries 81
Mean 636.3
Std Dev 605.3

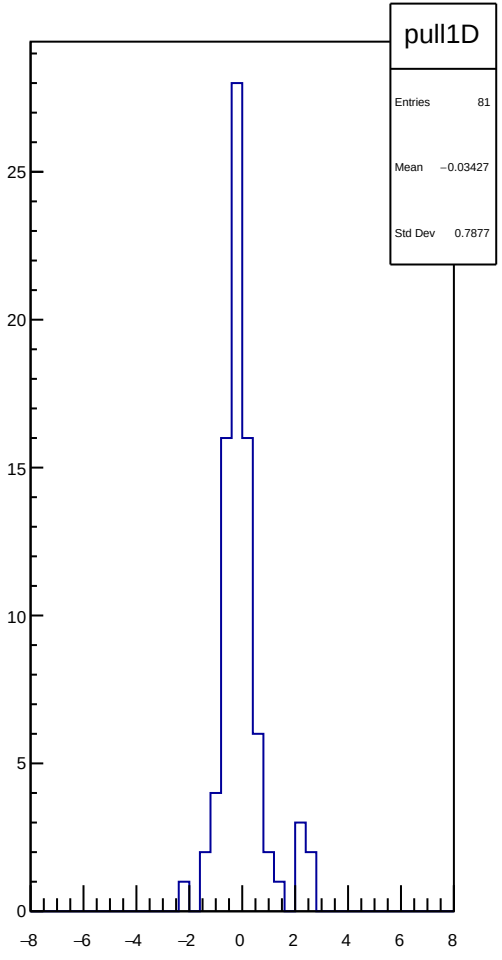

pull1D
Entries 81
Mean −0.009725
Std Dev 0.5591

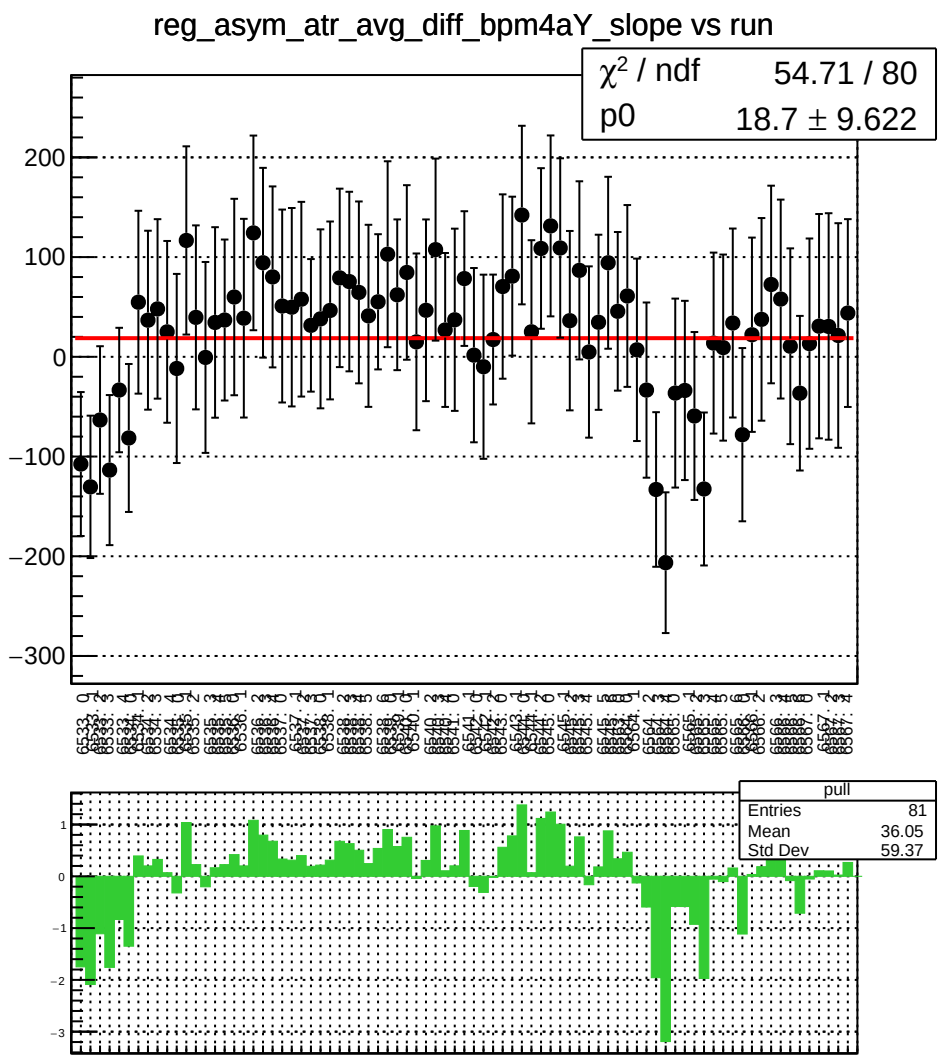

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.35 / 80
p0 −61.88 ± 8.746
pull
Entries 81
Mean −58.24
Std Dev 130.9

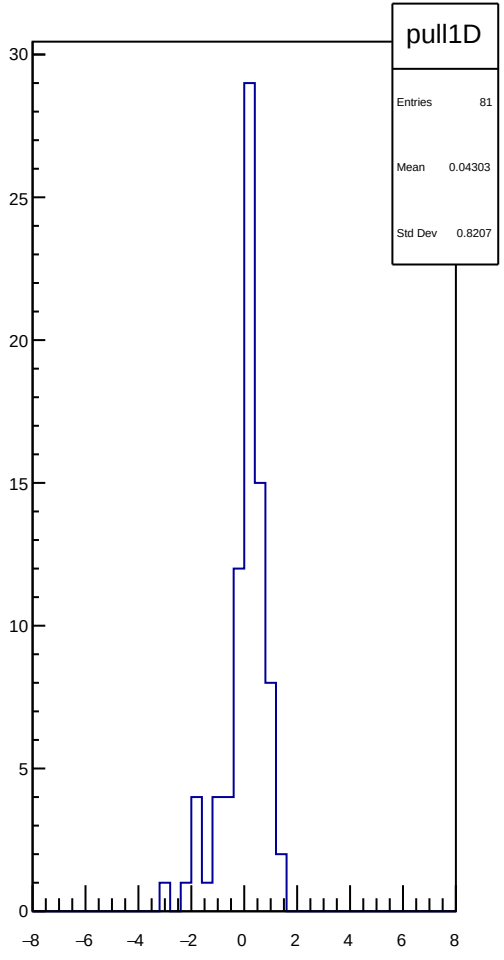

pull1D
Entries 81
Mean 0.01634
Std Dev 0.6415

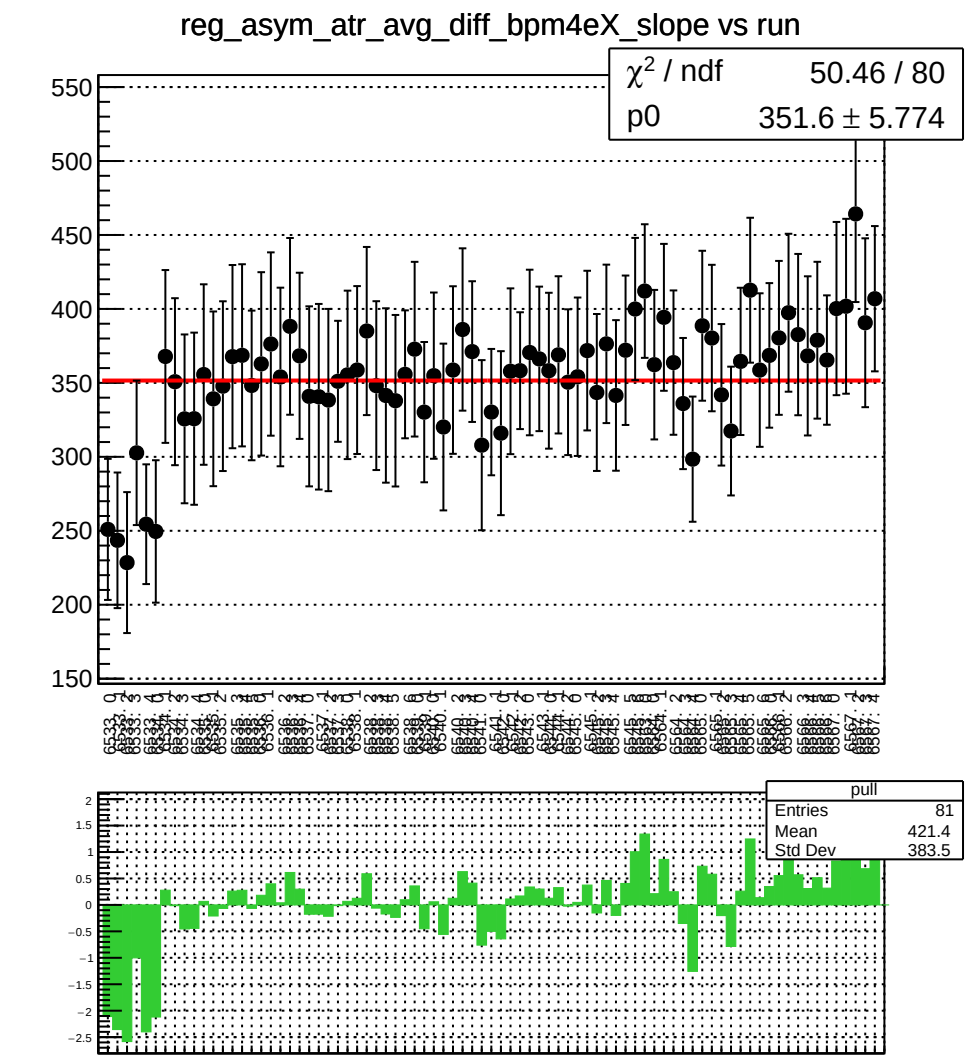

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 139.7 / 80
p0 143.5 ± 0.1923
160
155
150
145
140
135
pull
Entries 81
Mean 993.8
Std Dev 954.6
10
8
6
4
2
0
−2
−4
pull1D
Entries 81
Mean −0.1115
Std Dev 0.7776
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

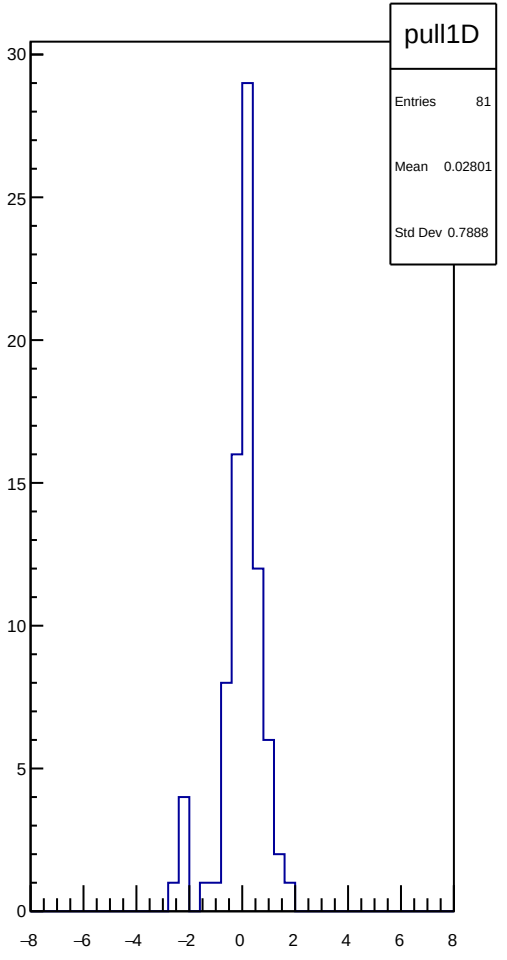

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 50.36 / 80
p0 −301 ± 5.334
pull
Entries 81
Mean 332.6
Std Dev 294.9

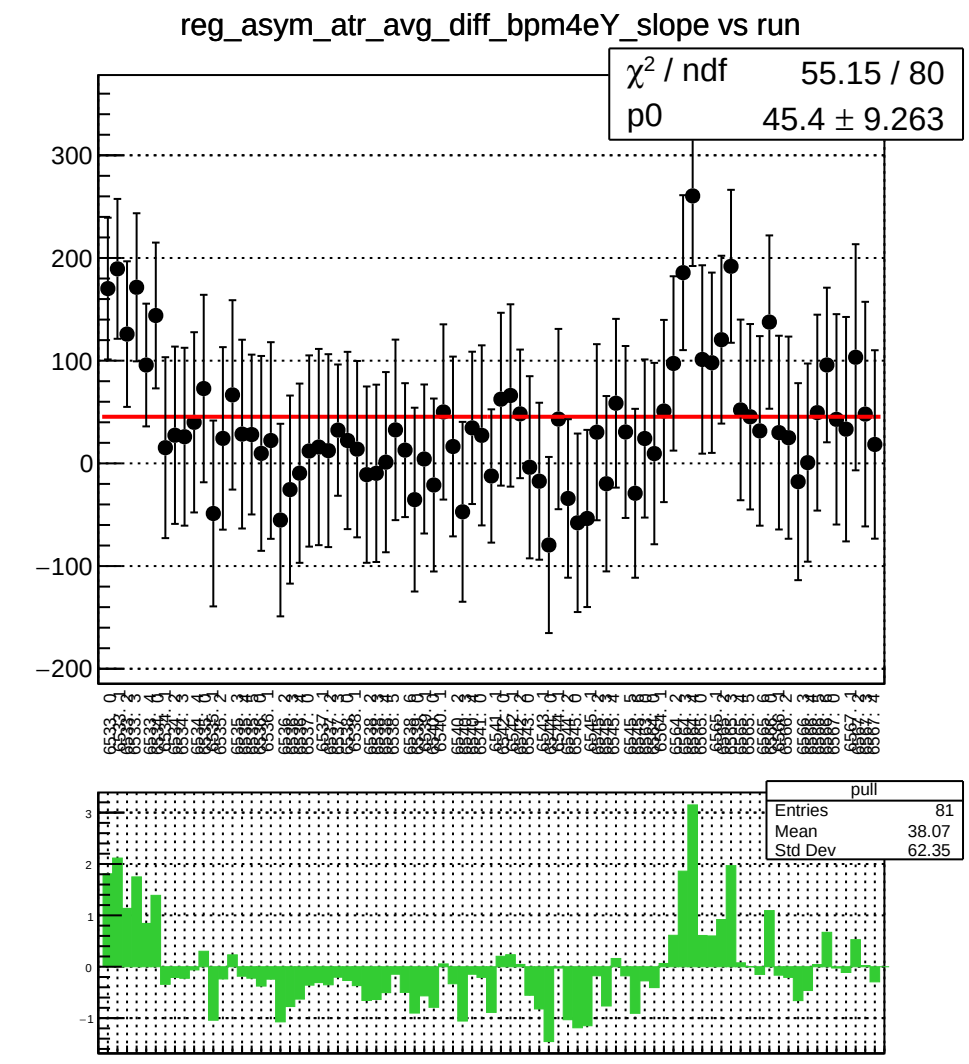

pull1D
Entries 81
Mean −0.03427
Std Dev 0.7877

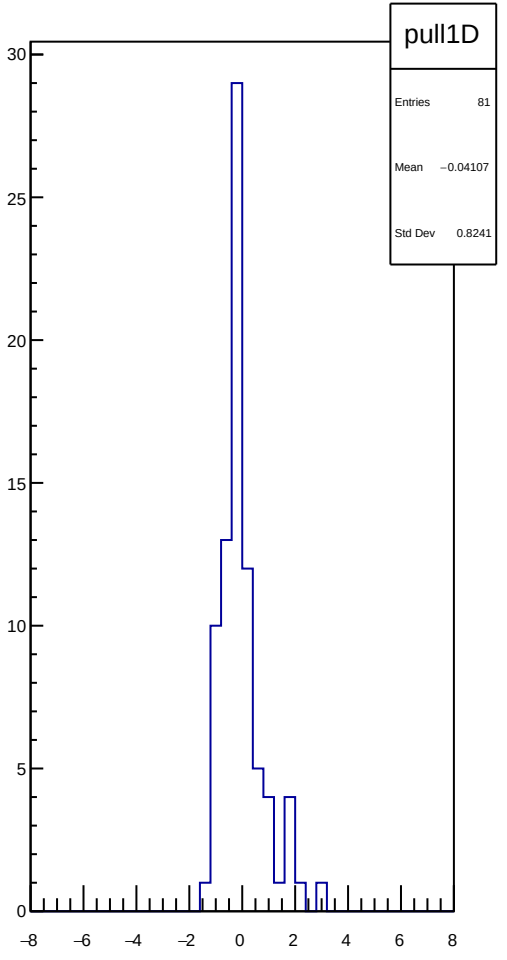

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.71 / 80
p0 18.7 ± 9.622
200
100
0
−100
−200
−300
pull
Entries 81
Mean 36.05
Std Dev 59.37
1
0
−1
−2
−3

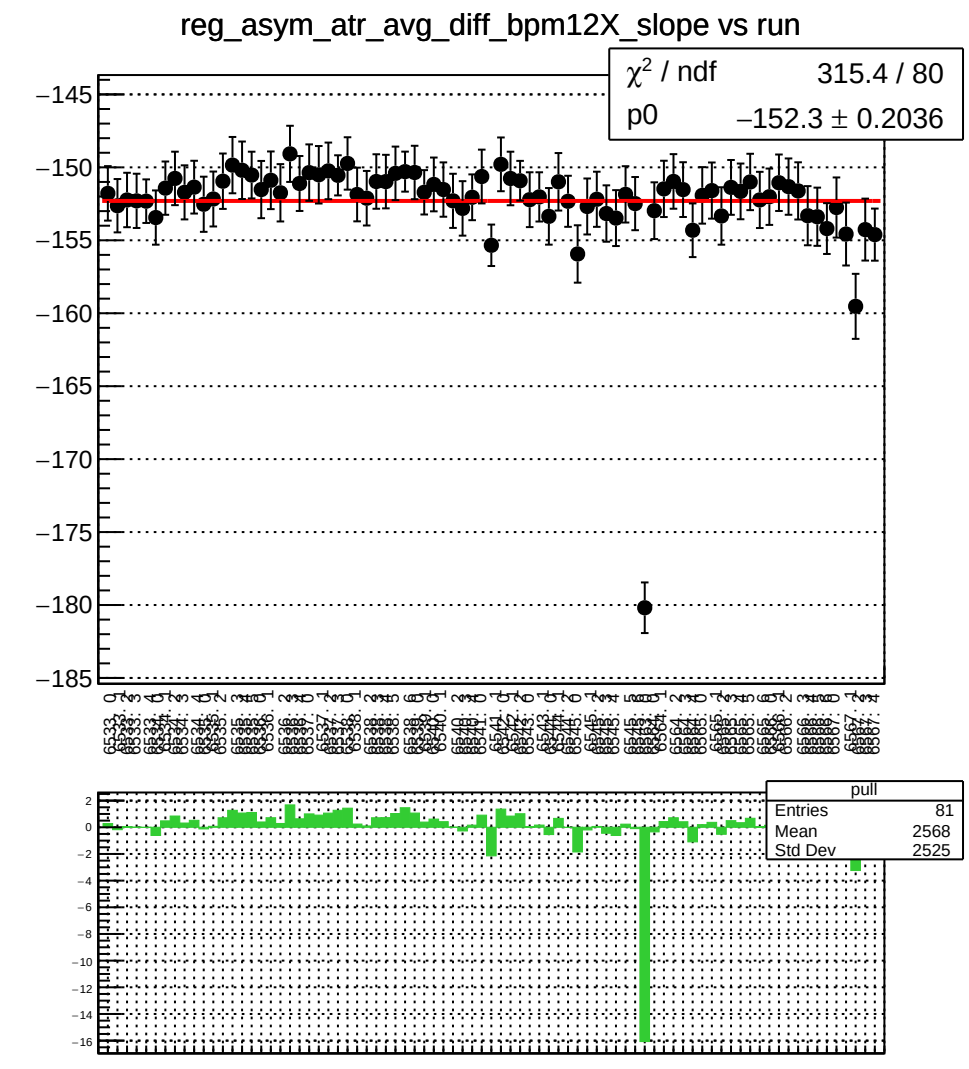

pull1D
Entries 81
Mean 0.04303
Std Dev 0.8207
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

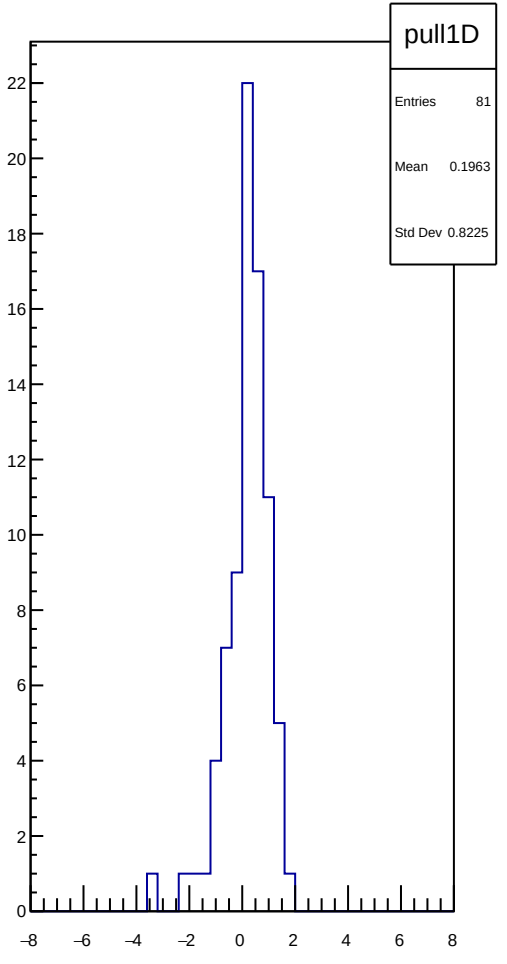

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.46 / 80
p0 351.6 ± 5.774
pull
Entries 81
Mean 421.4
Std Dev 383.5

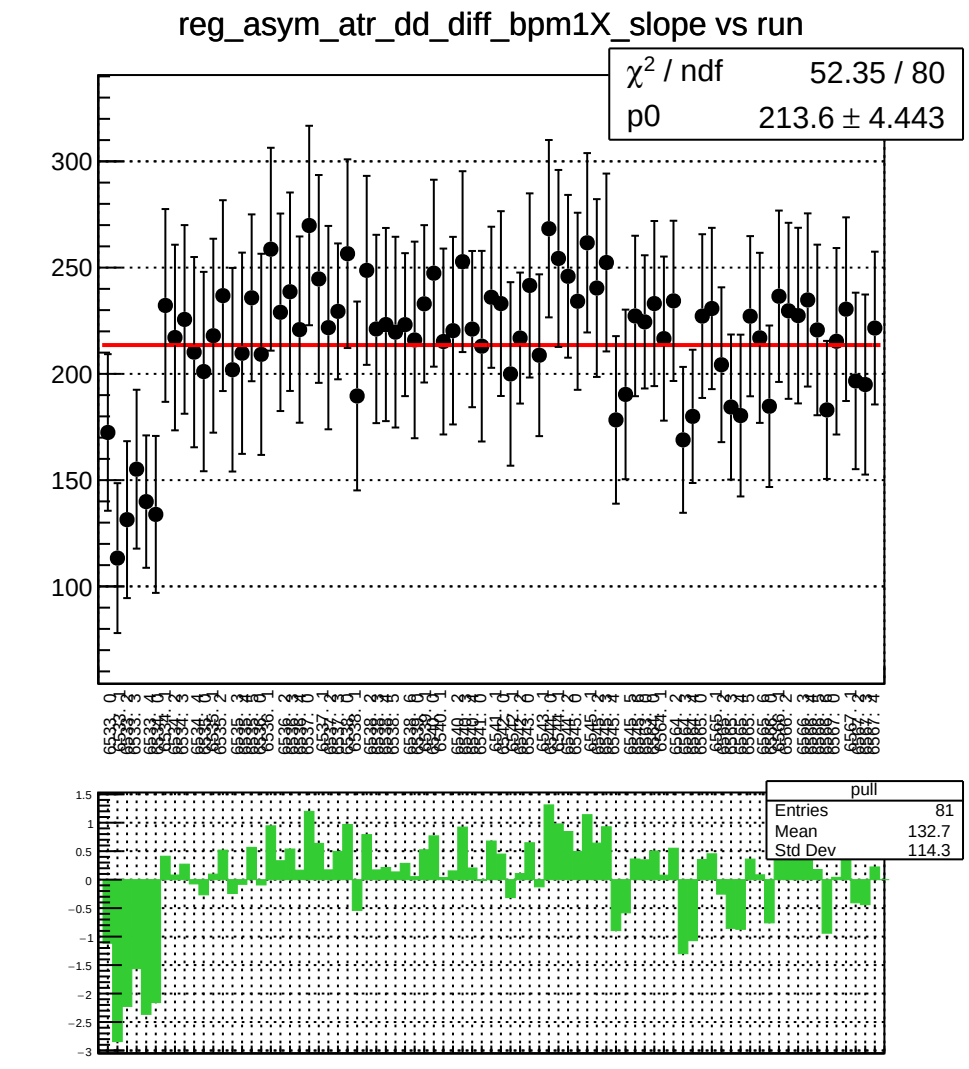

pull1D
Entries 81
Mean 0.02801
Std Dev 0.7888

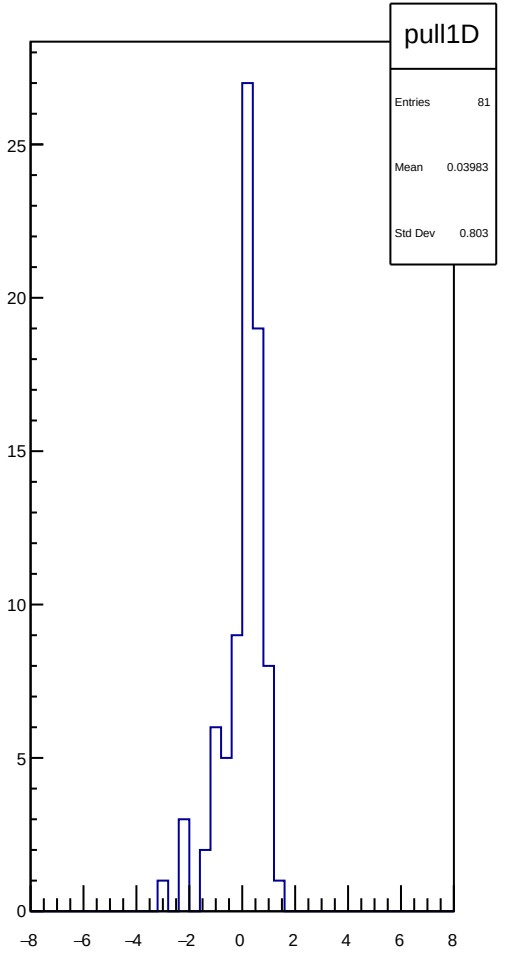

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 55.15 / 80
p0 45.4 ± 9.263
300
200
100
0
−100
−200
pull
Entries 81
Mean 38.07
Std Dev 62.35
3
2
1
0
−1

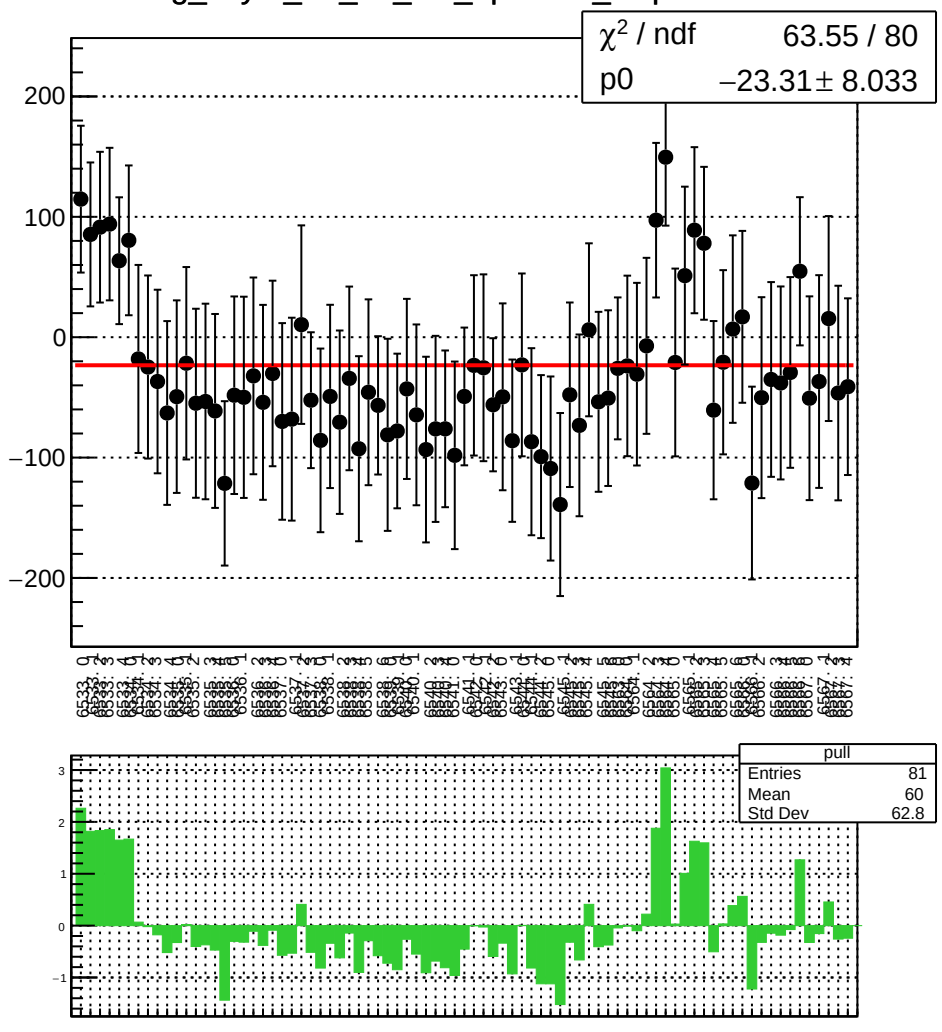

pull1D
Entries 81
Mean −0.04107
Std Dev 0.8241
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

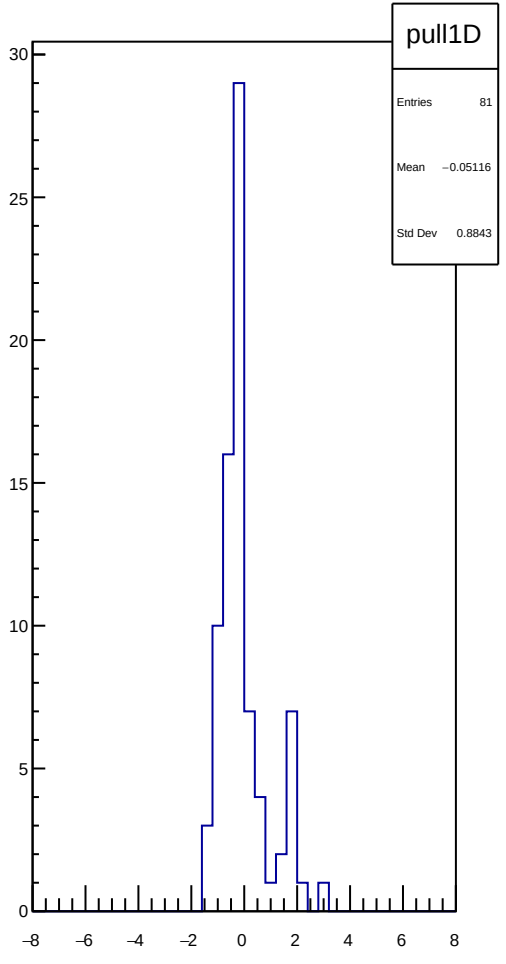

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 315.4 / 80
p0 −152.3 ± 0.2036
pull
Entries 81
Mean 2568
Std Dev 2525

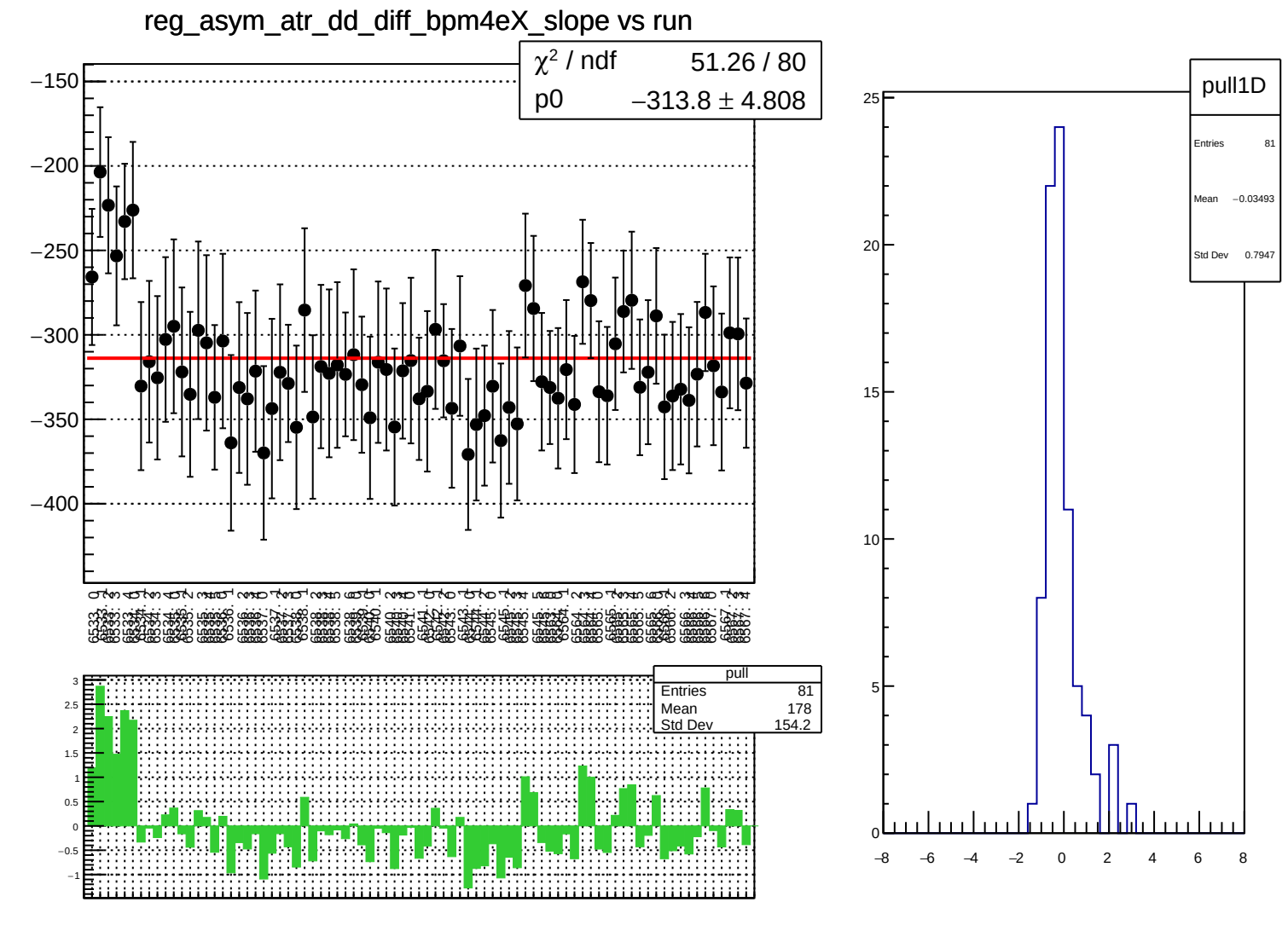

pull1D
Entries 81
Mean 0.1963
Std Dev 0.8225

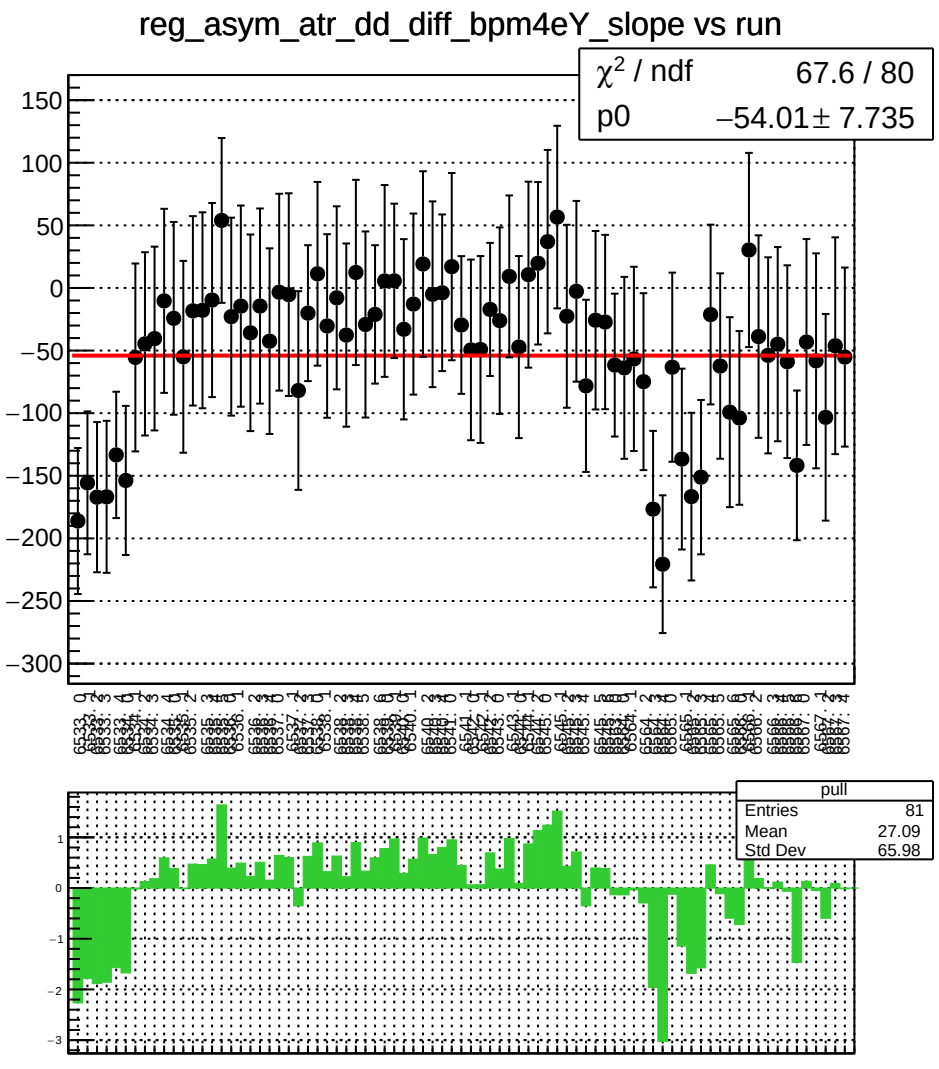

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 52.35 / 80
p0 213.6 ± 4.443
300
250
200
150
100
pull
Entries 81
Mean 132.7
Std Dev 114.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

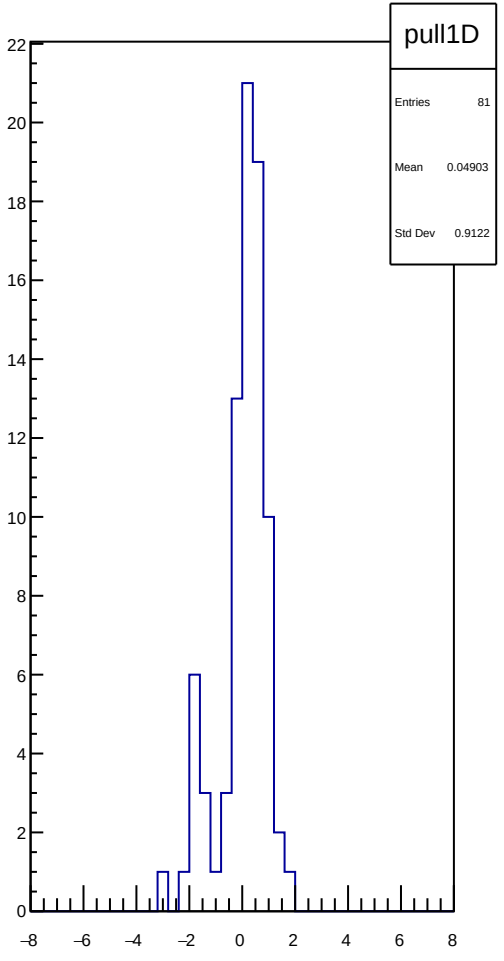

pull1D
Entries 81
Mean 0.03983
Std Dev 0.803
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

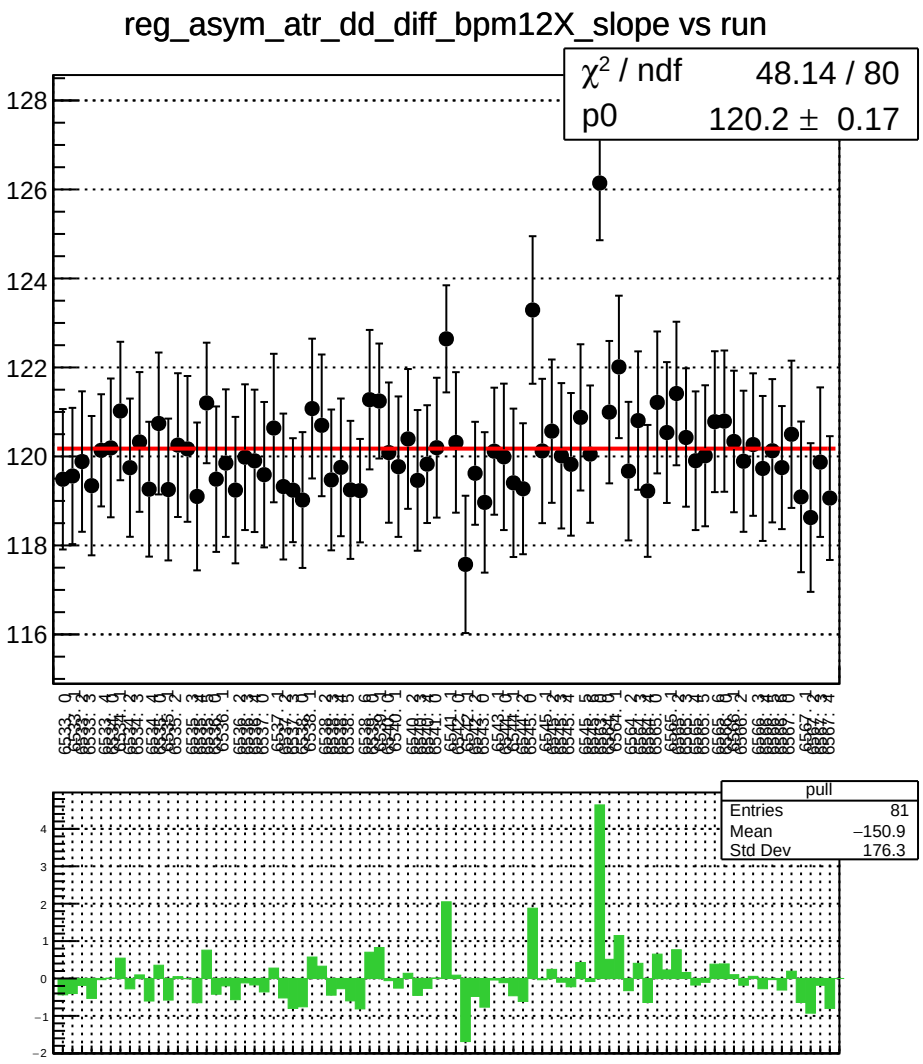

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.55 / 80
p0 −23.31 ± 8.033
200
100
0
−100
−200
pull
Entries 81
Mean 60
Std Dev 62.8
3
2
1
0
−1

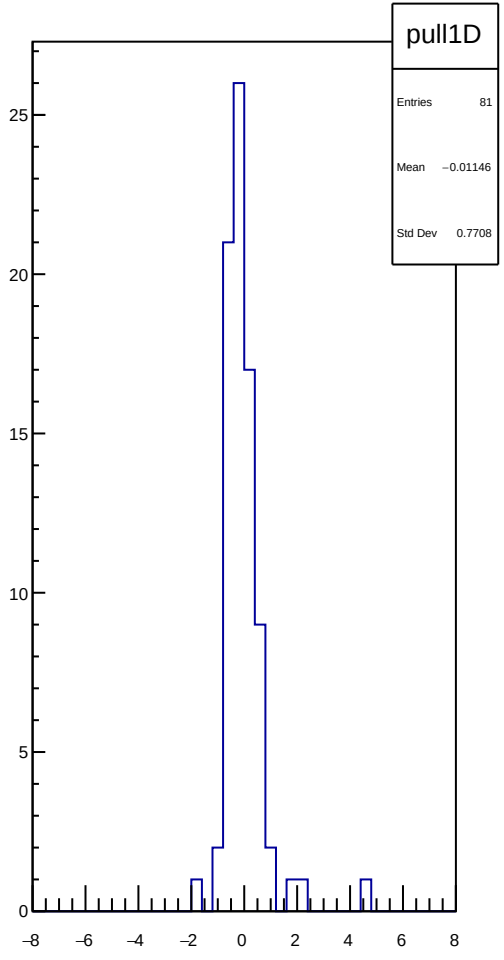

pull1D
Entries 81
Mean −0.05116
Std Dev 0.8843
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

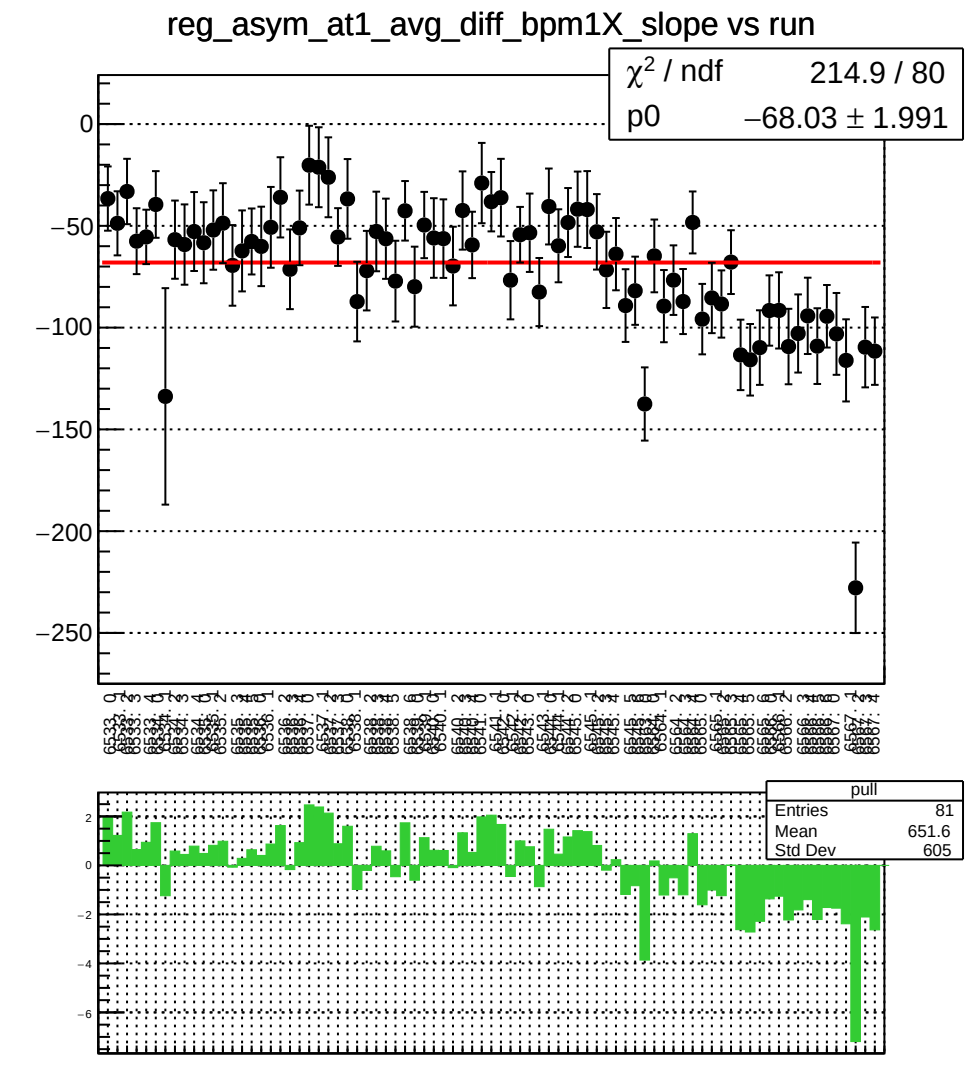

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.26 / 80
p0 −313.8 ± 4.808
pull
Entries 81
Mean 178
Std Dev 154.2
pull1D
Entries 81
Mean −0.03493
Std Dev 0.7947

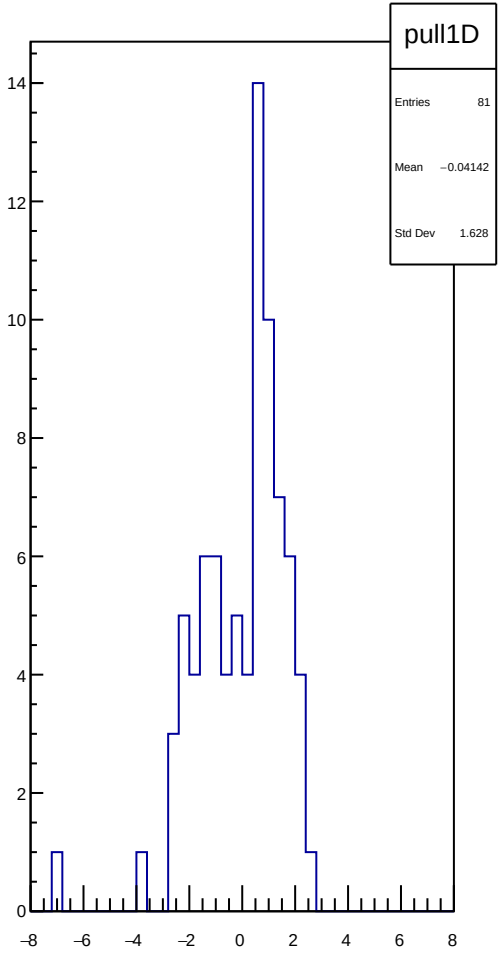

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.6 / 80
p0 −54.01± 7.735
pull
Entries 81
Mean 27.09
Std Dev 65.98

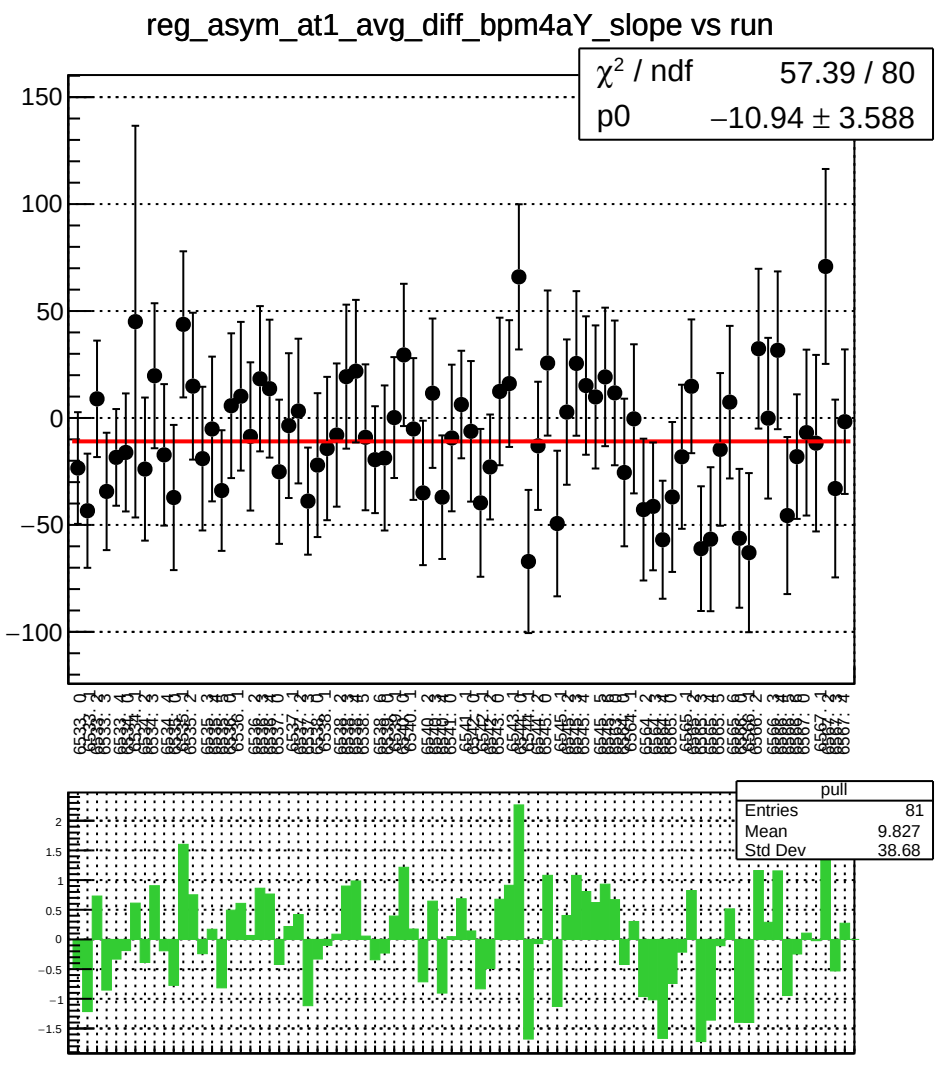

pull1D
Entries 81
Mean 0.04903
Std Dev 0.9122

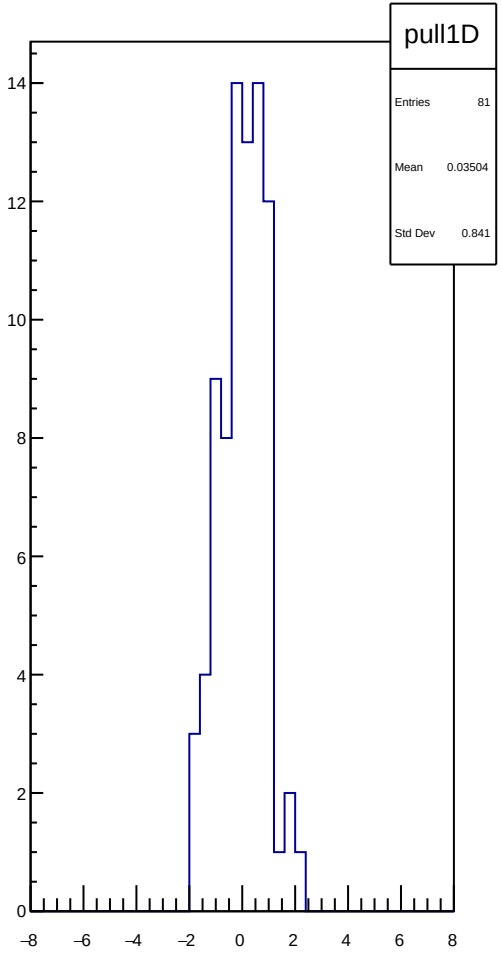

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 48.14 / 80
p0 120.2 ± 0.17
128
126
124
122
120
118
116
pull
Entries 81
Mean −150.9
Std Dev 176.3
4
3
2
1
0
−1
−2

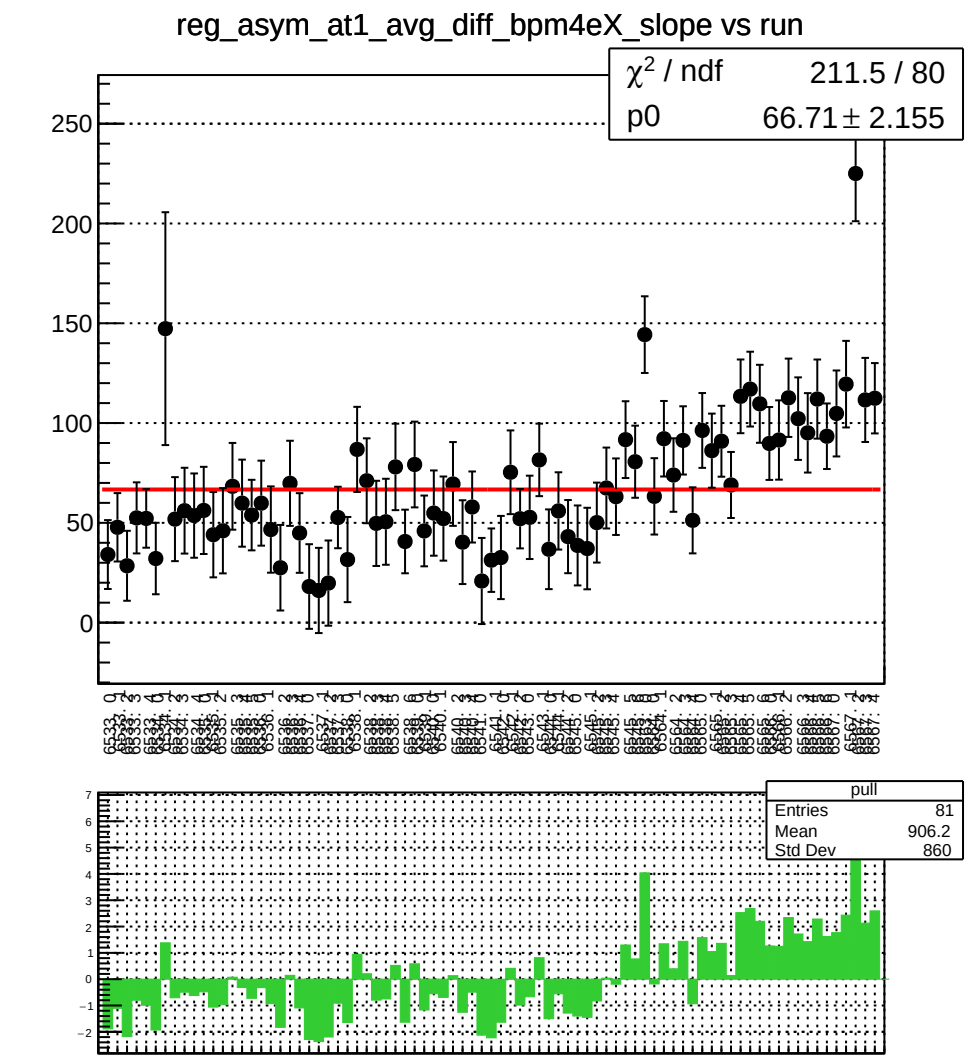

pull1D
Entries 81
Mean −0.01146
Std Dev 0.7708
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

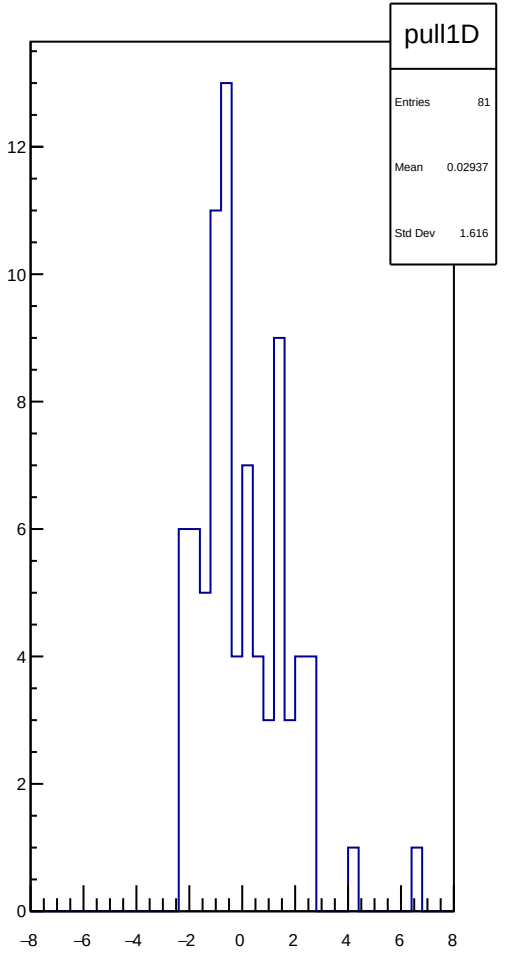

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 214.9 / 80
p0 −68.03 ± 1.991
pull
Entries 81
Mean 651.6
Std Dev 605

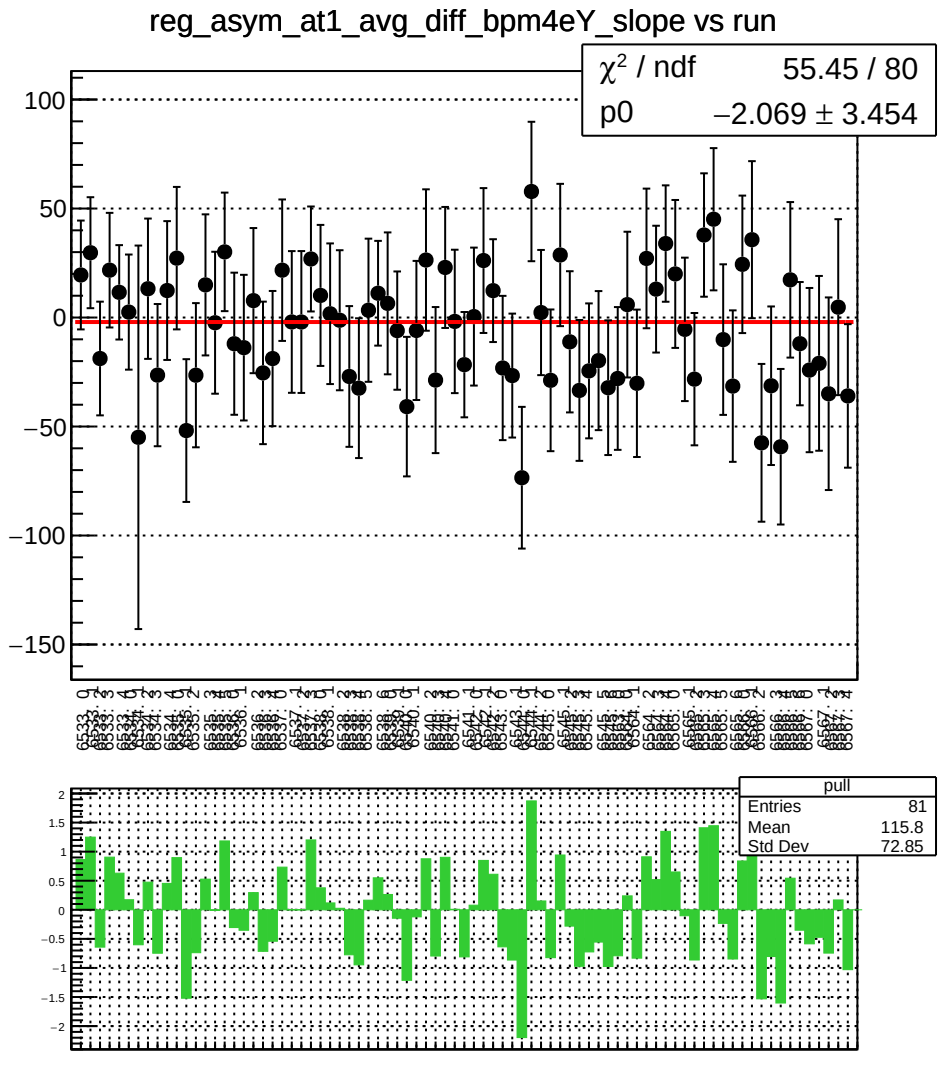

pull1D
Entries 81
Mean −0.04142
Std Dev 1.628

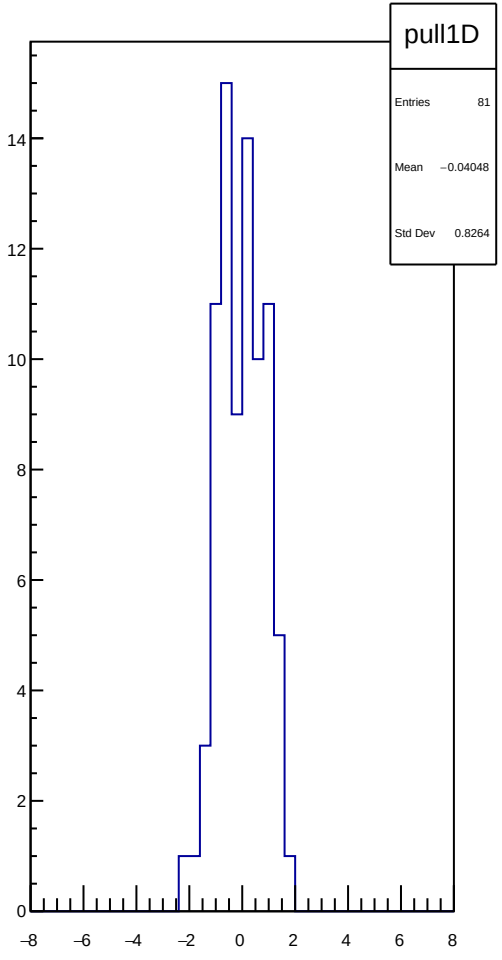

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.39 / 80
p0 −10.94 ± 3.588
150
100
50
0
−50
−100
pull
Entries 81
Mean 9.827
Std Dev 38.68
2
1.5
1
0.5
0
−0.5
−1
−1.5

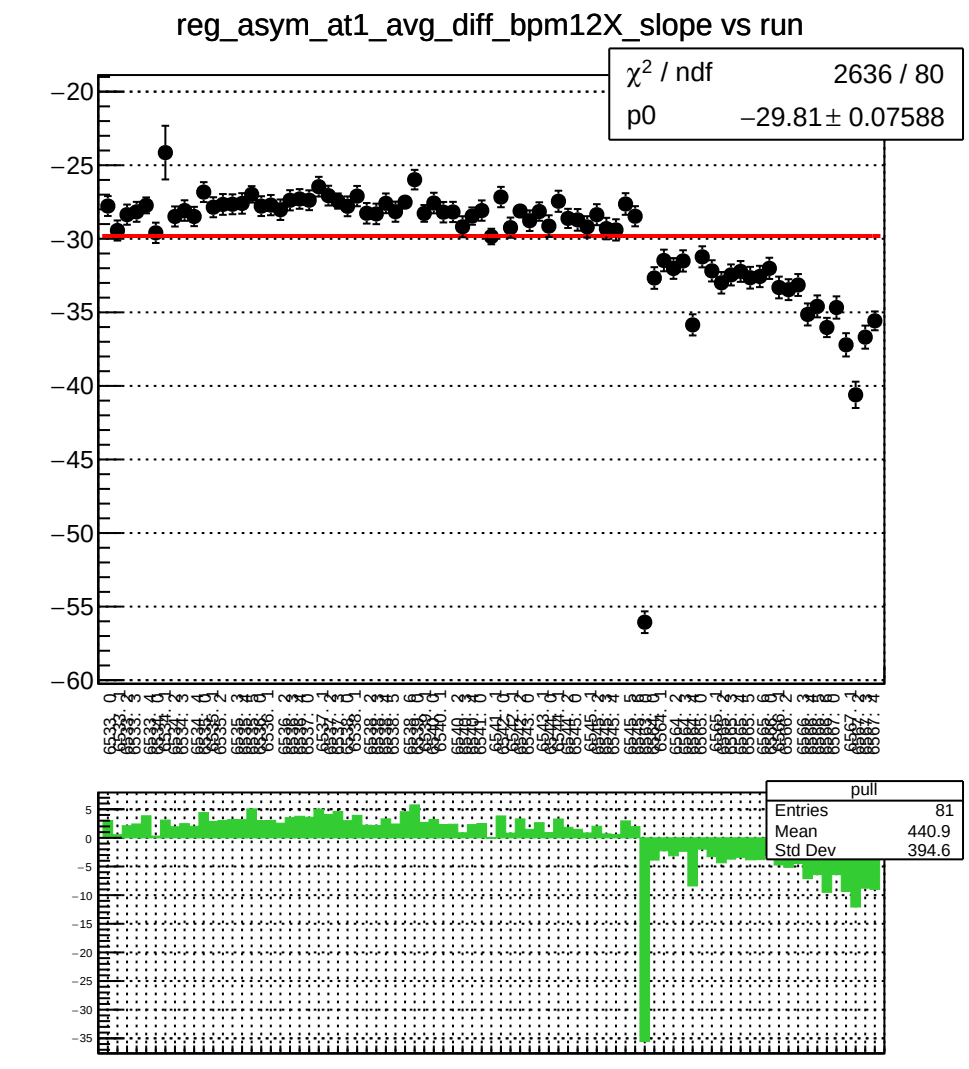

pull1D
Entries 81
Mean 0.03504
Std Dev 0.841
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

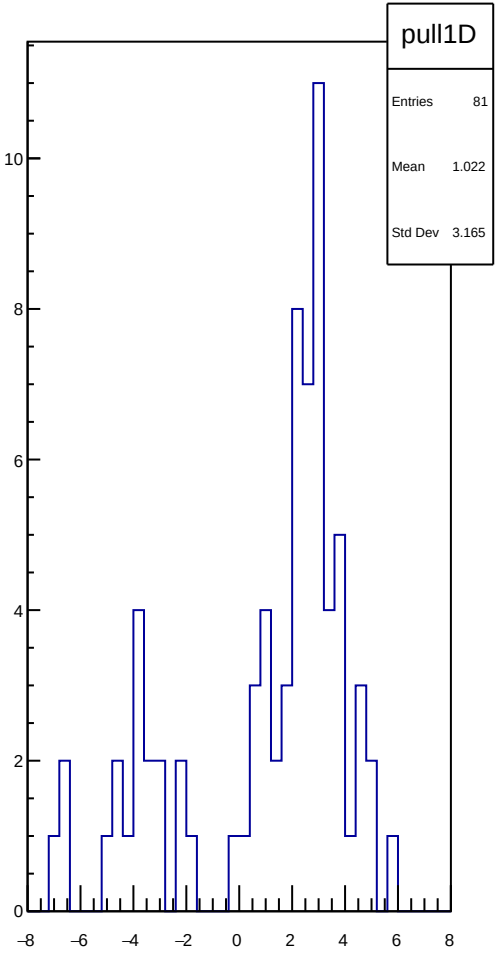

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 211.5 / 80
p0 66.71 ± 2.155
250
200
150
100
50
0
pull
Entries 81
Mean 906.2
Std Dev 860
7
6
5
4
3
2
1
0
−1
−2

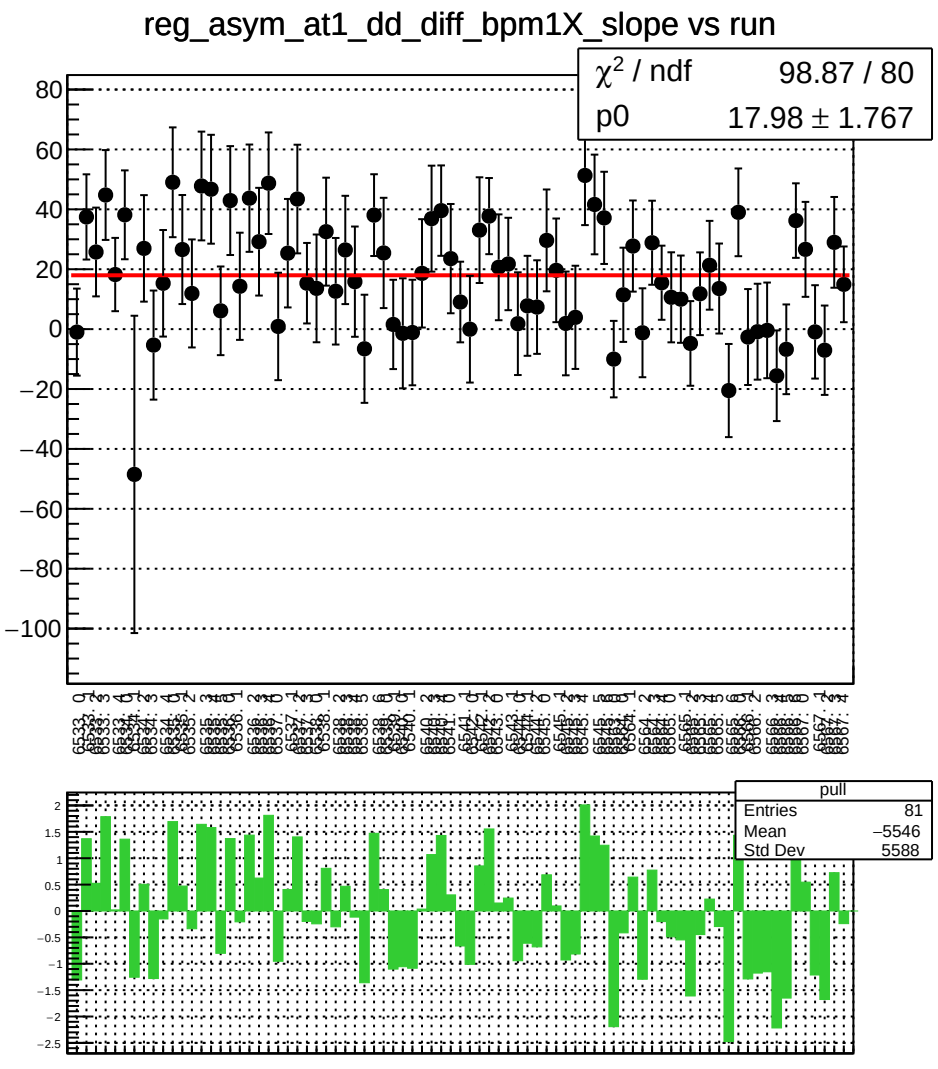

pull1D
Entries 81
Mean 0.02937
Std Dev 1.616
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

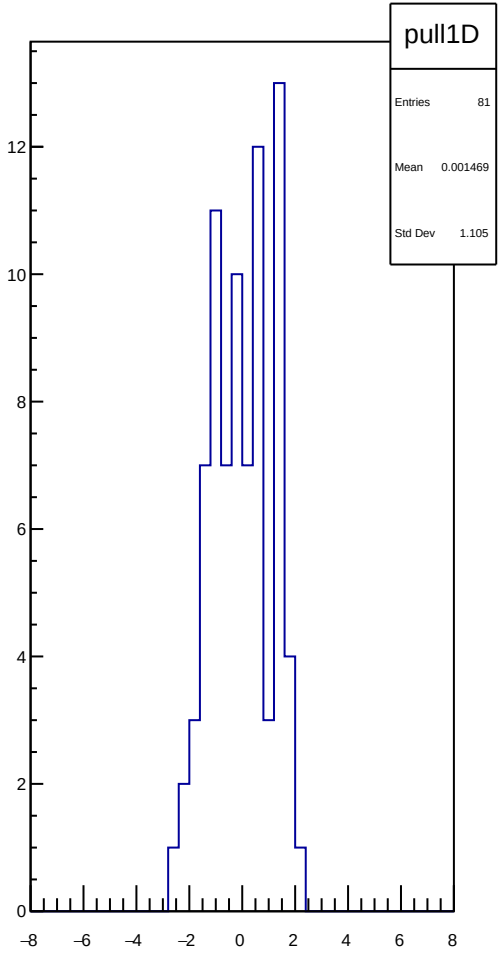

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 55.45 / 80
p0 −2.069 ± 3.454
pull
Entries 81
Mean 115.8
Std Dev 72.85

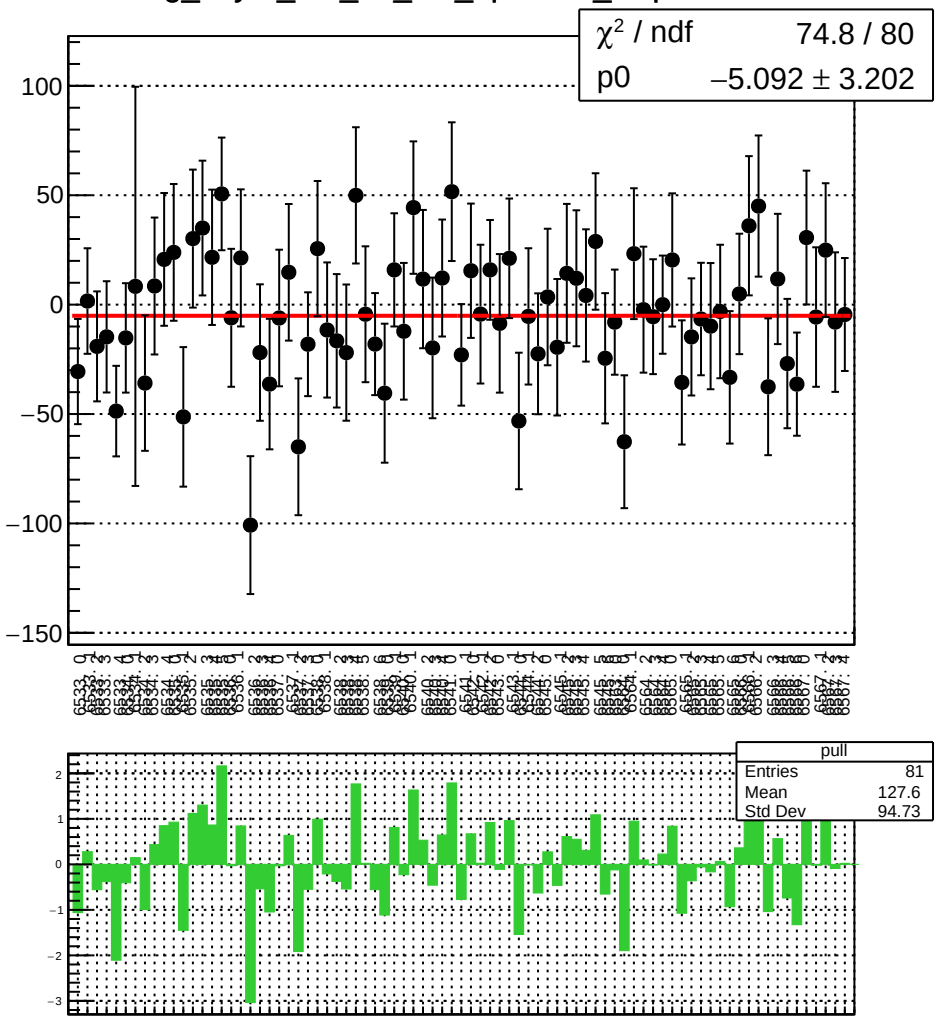

pull1D
Entries 81
Mean −0.04048
Std Dev 0.8264

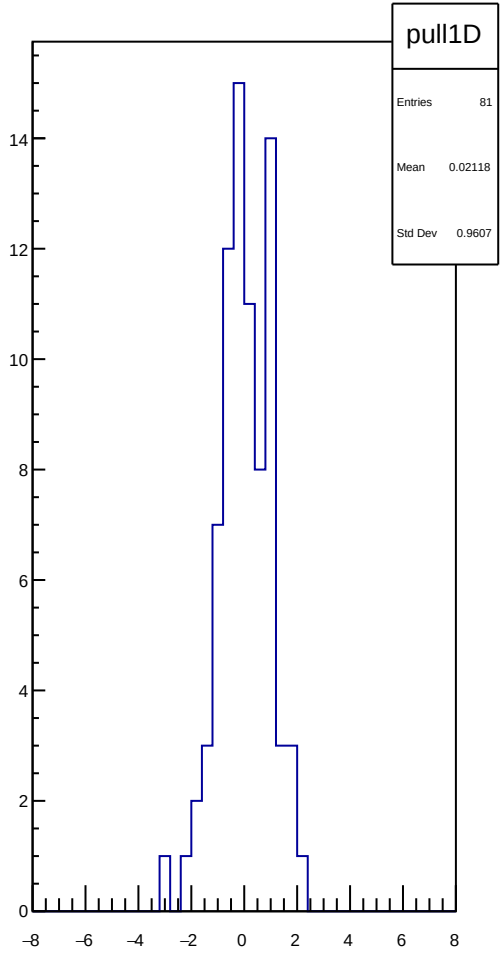

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 2636 / 80
p0 −29.81 ± 0.07588
pull
Entries 81
Mean 440.9
Std Dev 394.6

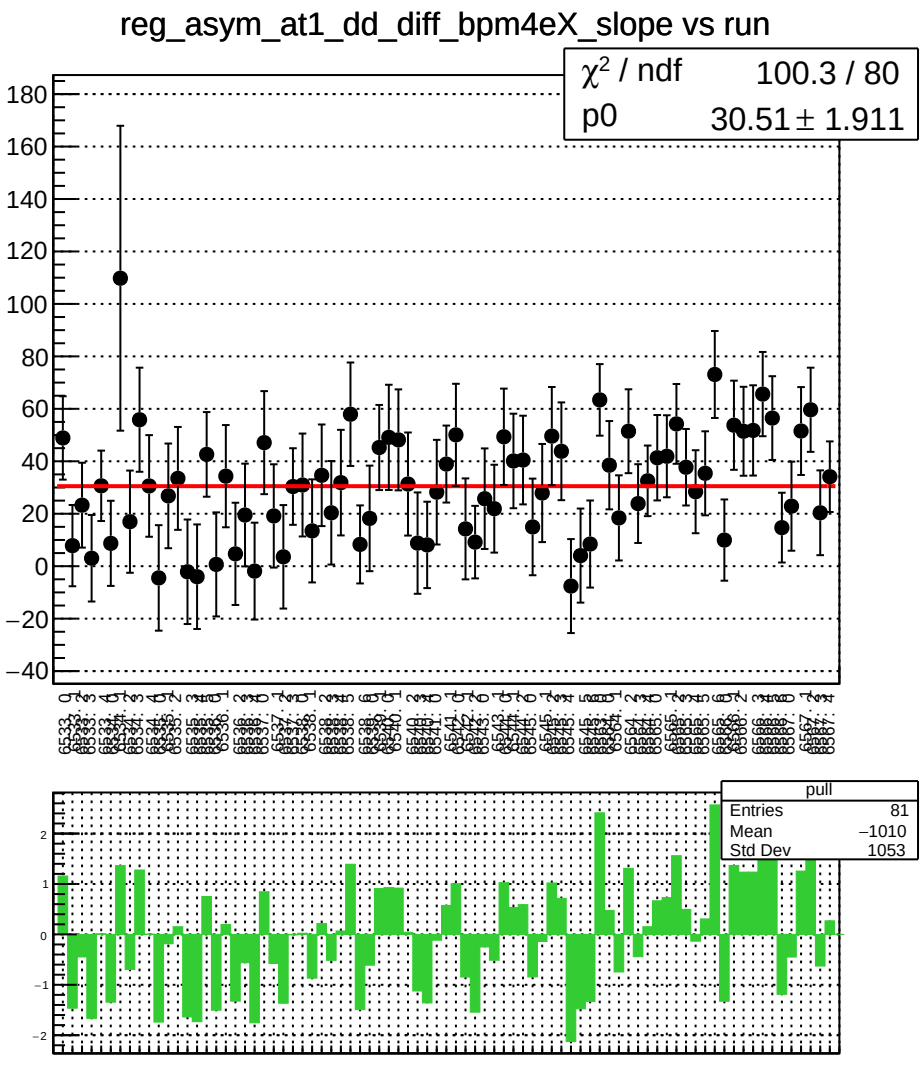

pull1D
Entries 81
Mean 1.022
Std Dev 3.165

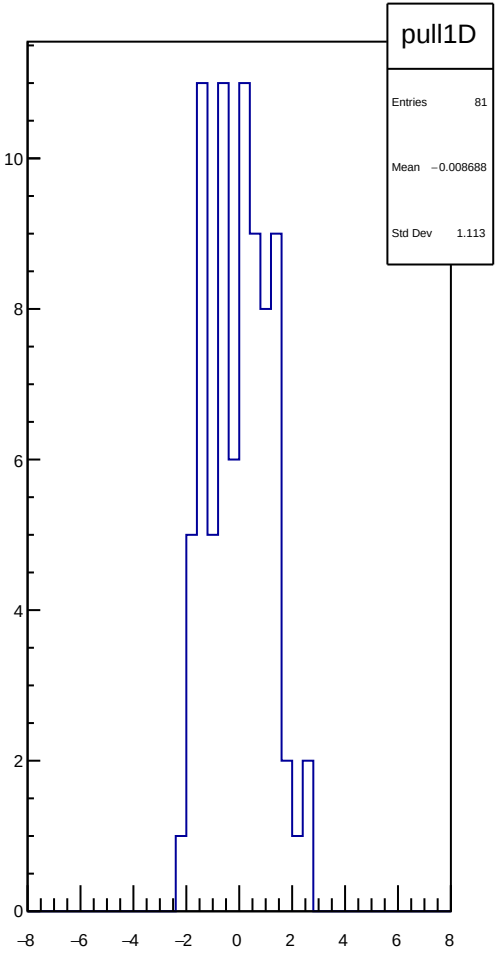

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 98.87 / 80
p0 17.98 ± 1.767
pull
Entries 81
Mean −5546
Std Dev 5588

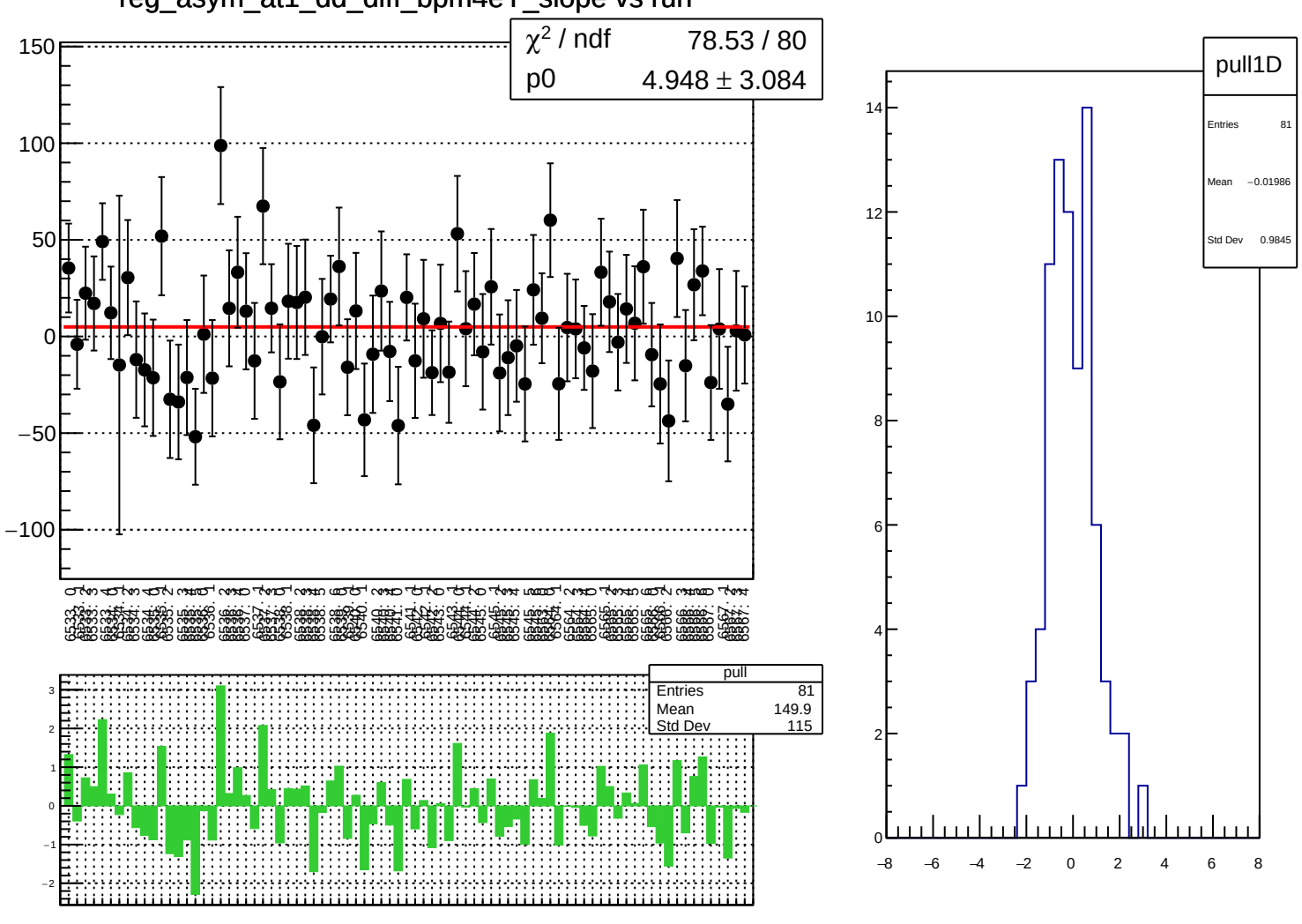

pull1D
Entries 81
Mean 0.001469
Std Dev 1.105

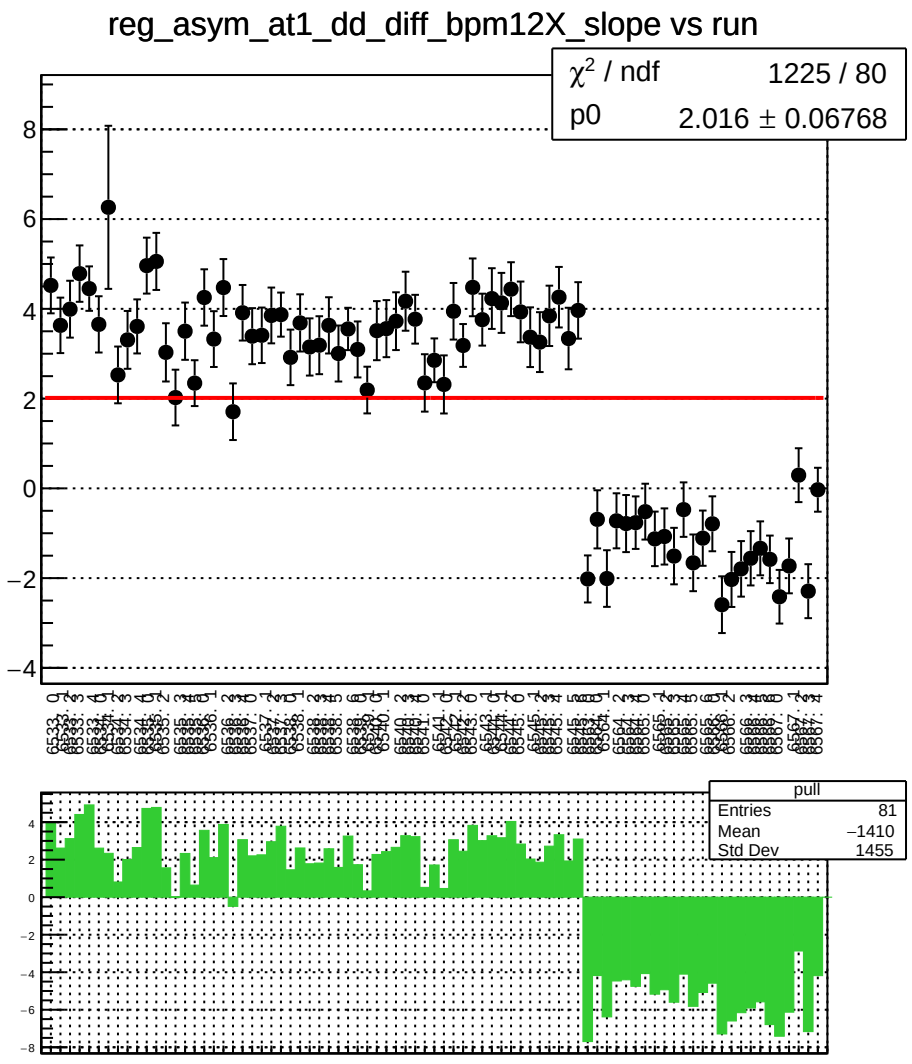

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.8 / 80
p0 −5.092 ± 3.202
pull
Entries 81
Mean 127.6
Std Dev 94.73

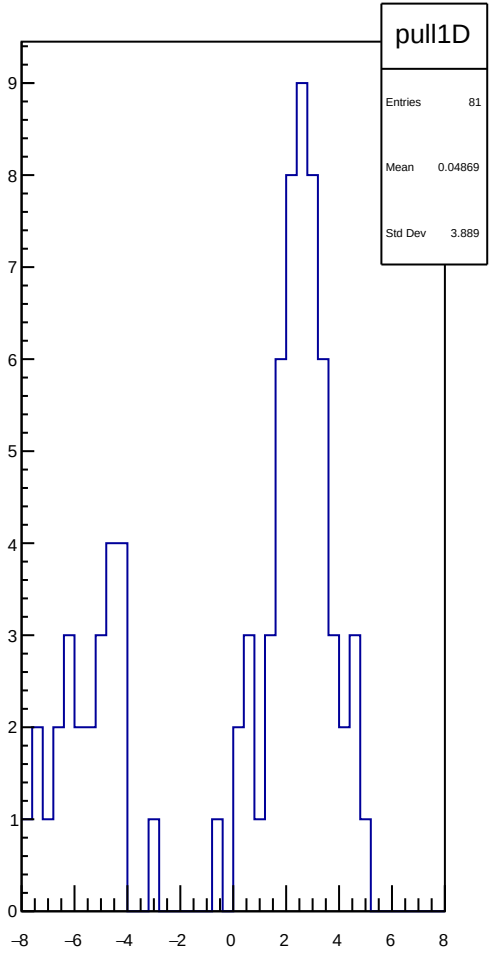

pull1D
Entries 81
Mean 0.02118
Std Dev 0.9607

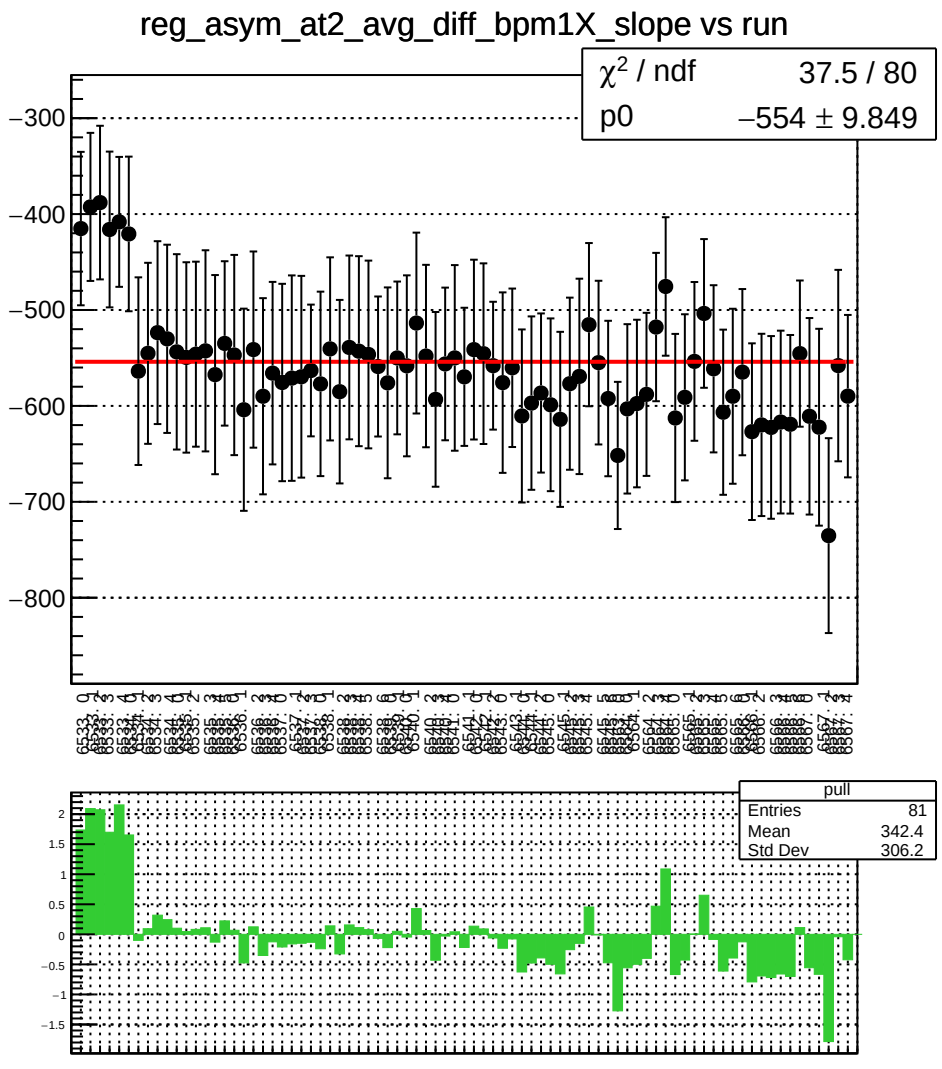

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 100.3 / 80
p0 30.51 ± 1.911
pull
Entries 81
Mean −1010
Std Dev 1053

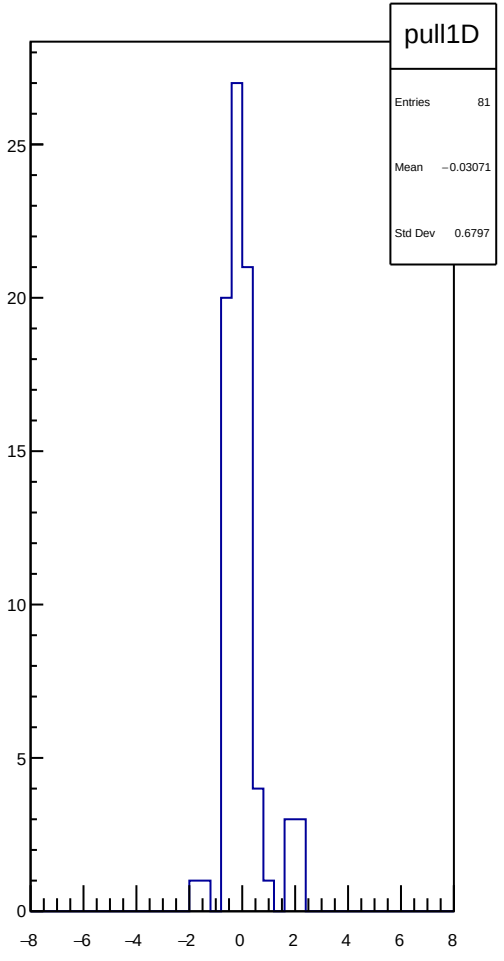

pull1D
Entries 81
Mean −0.008688
Std Dev 1.113

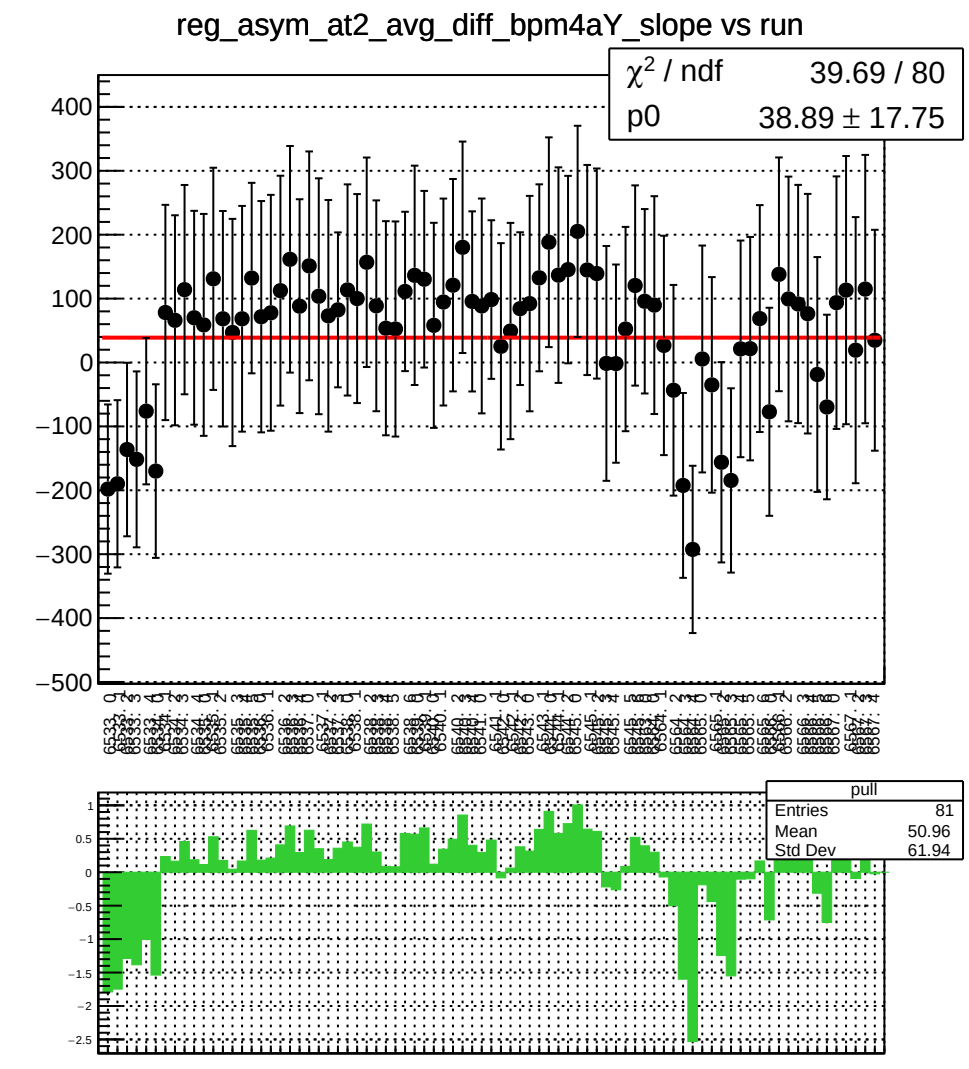

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.53 / 80
p0 4.948 ± 3.084
150
100
50
0
−50
−100
pull
Entries 81
Mean 149.9
Std Dev 115
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01986
Std Dev 0.9845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

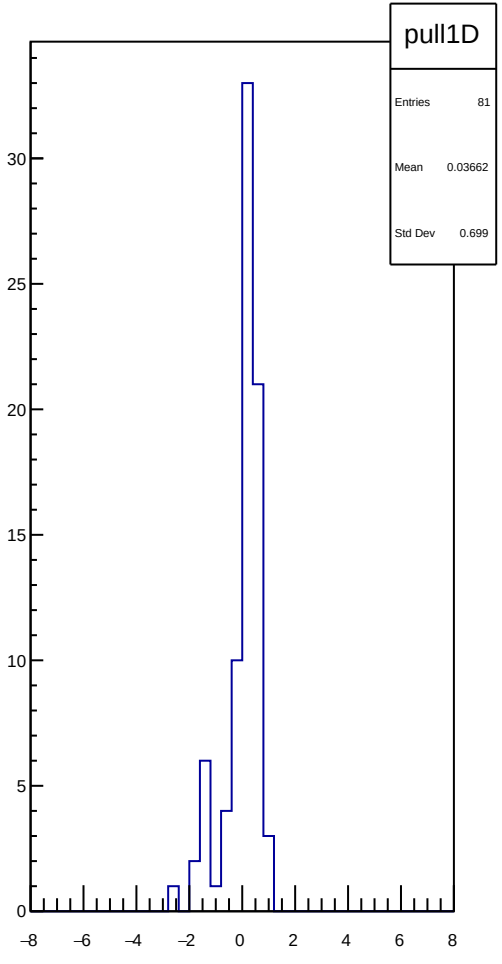

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 1225 / 80
p0 2.016 ± 0.06768
pull
Entries 81
Mean −1410
Std Dev 1455

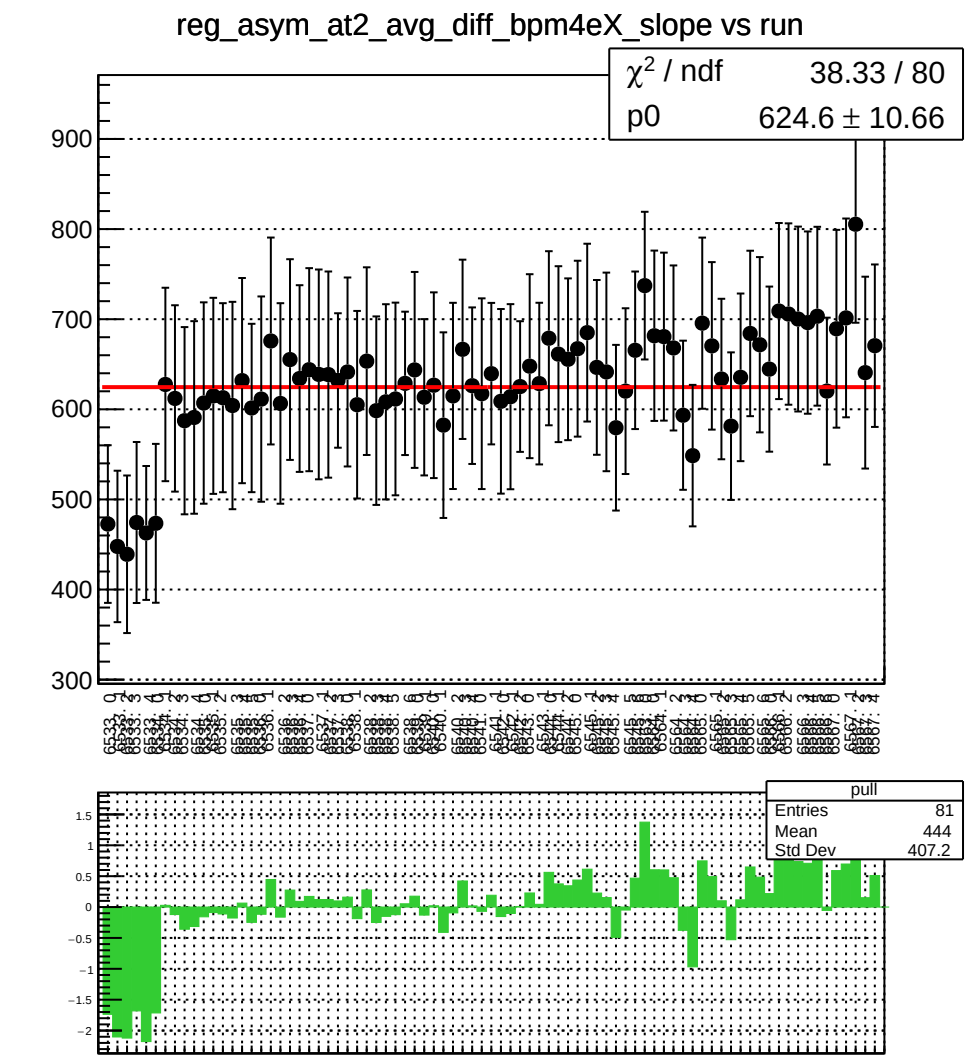

pull1D
Entries 81
Mean 0.04869
Std Dev 3.889

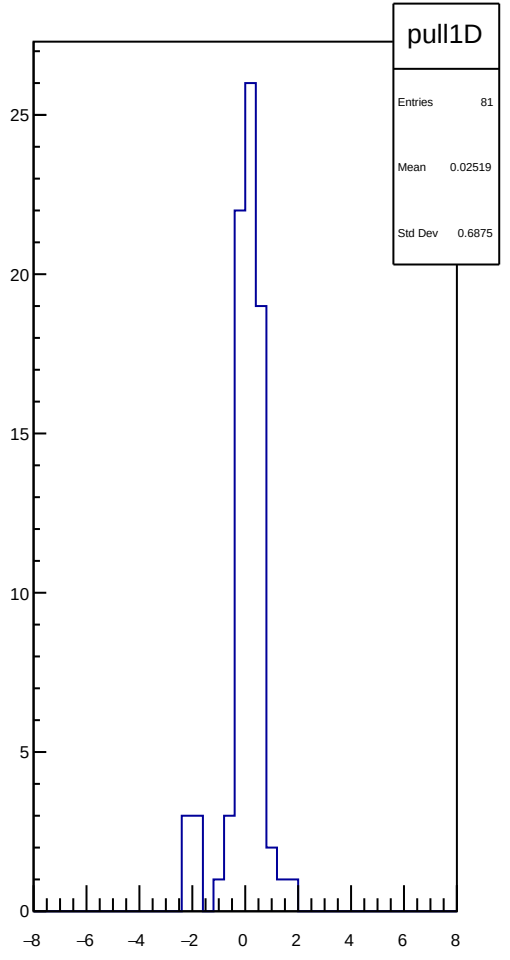

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 37.5 / 80
p0 −554 ± 9.849
−300
−400
−500
−600
−700
−800
pull
Entries 81
Mean 342.4
Std Dev 306.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

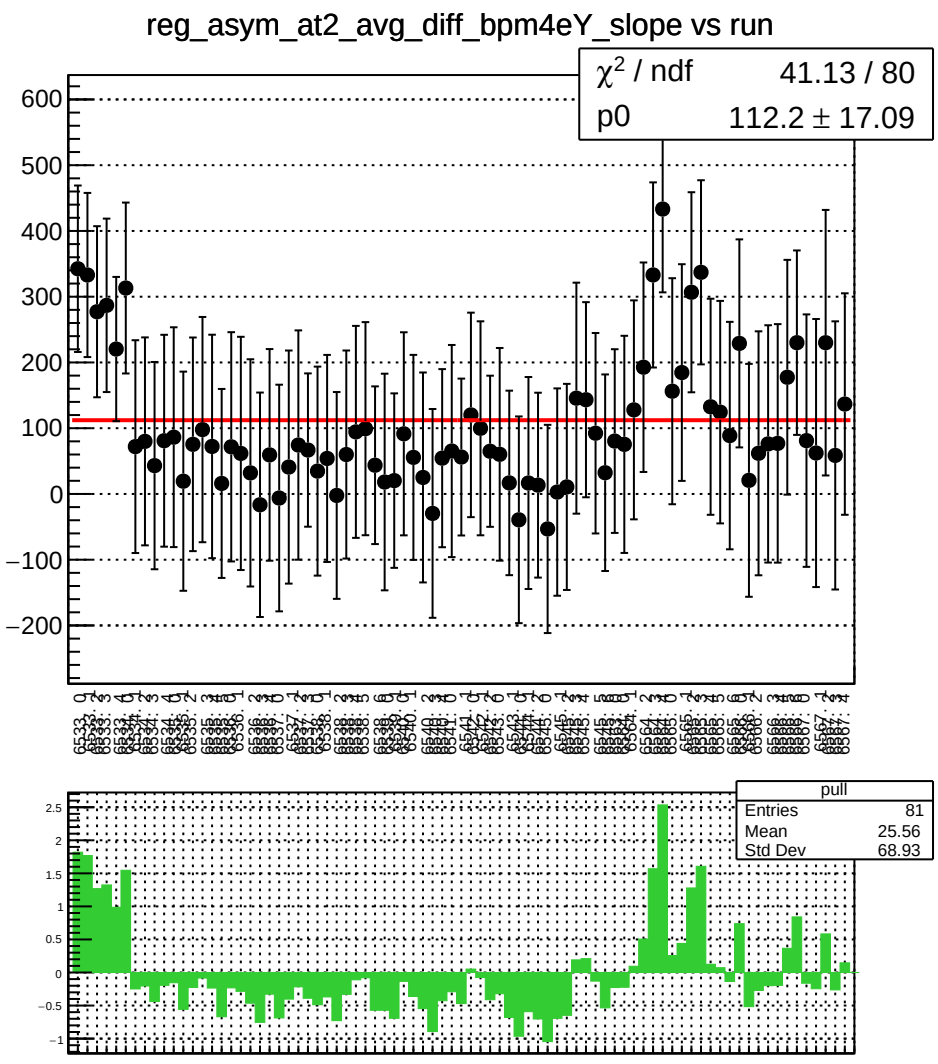

pull1D
Entries 81
Mean −0.03071
Std Dev 0.6797
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

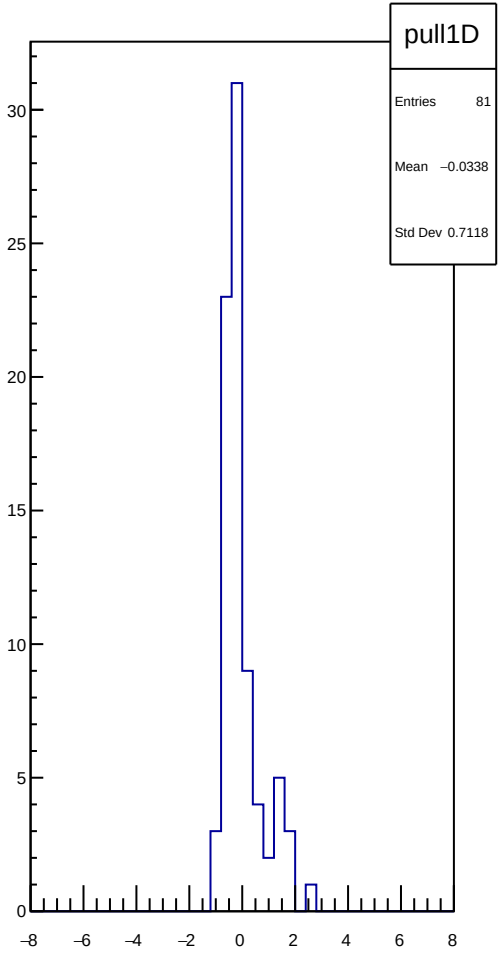

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.69 / 80
p0 38.89 ± 17.75
pull
Entries 81
Mean 50.96
Std Dev 61.94

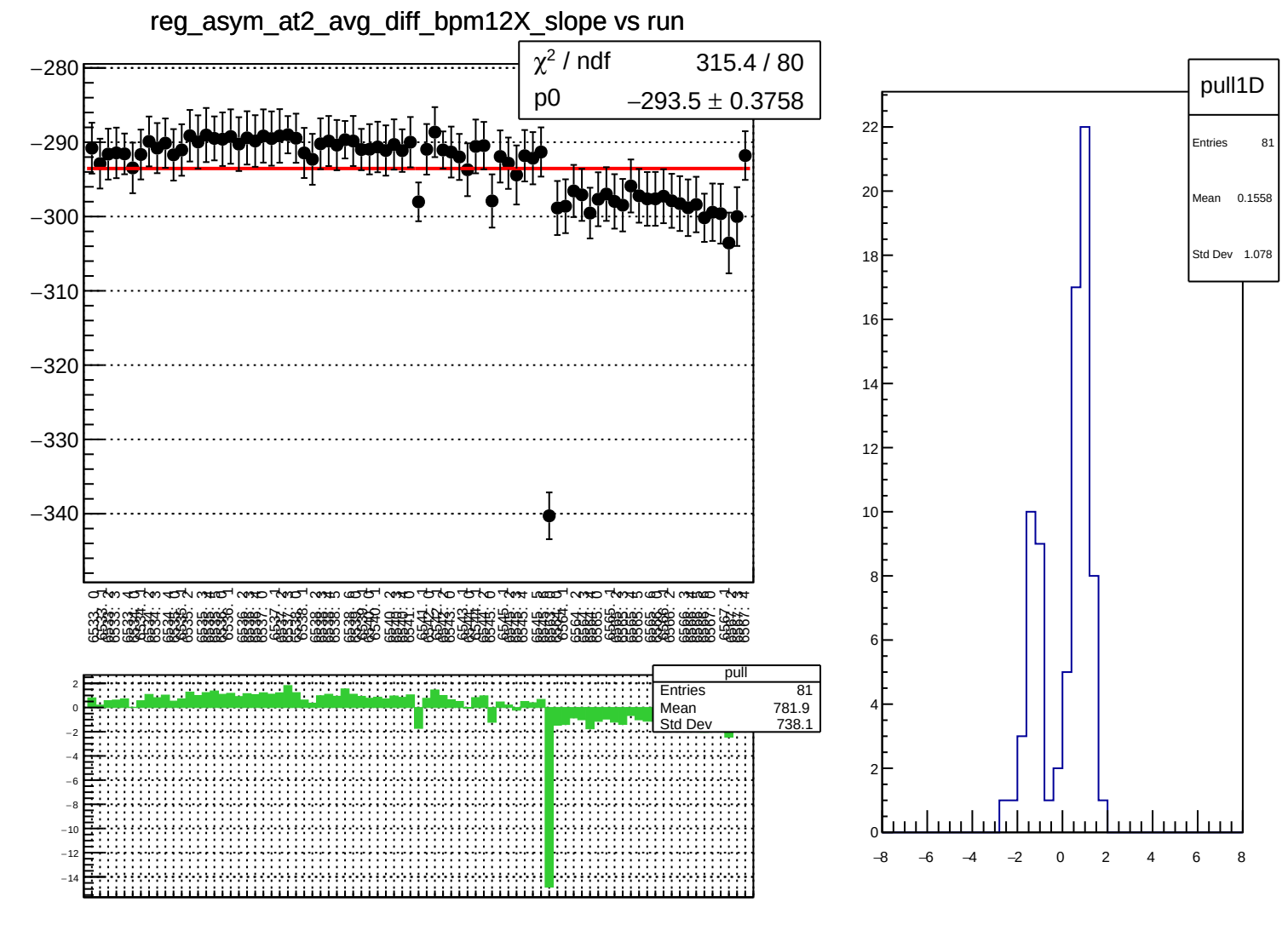

pull1D
Entries 81
Mean 0.03662
Std Dev 0.699

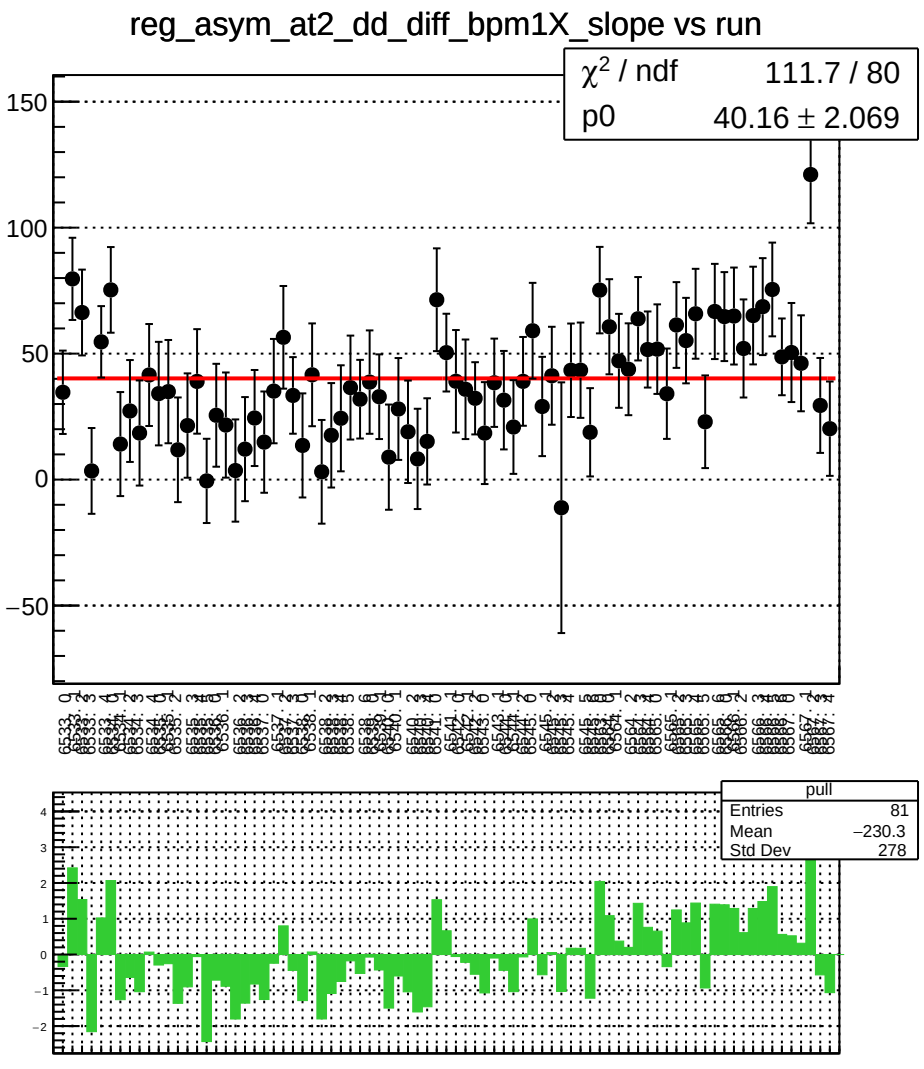

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.33 / 80
p0 624.6 ± 10.66
900
800
700
600
500
400
300
pull
Entries 81
Mean 444
Std Dev 407.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

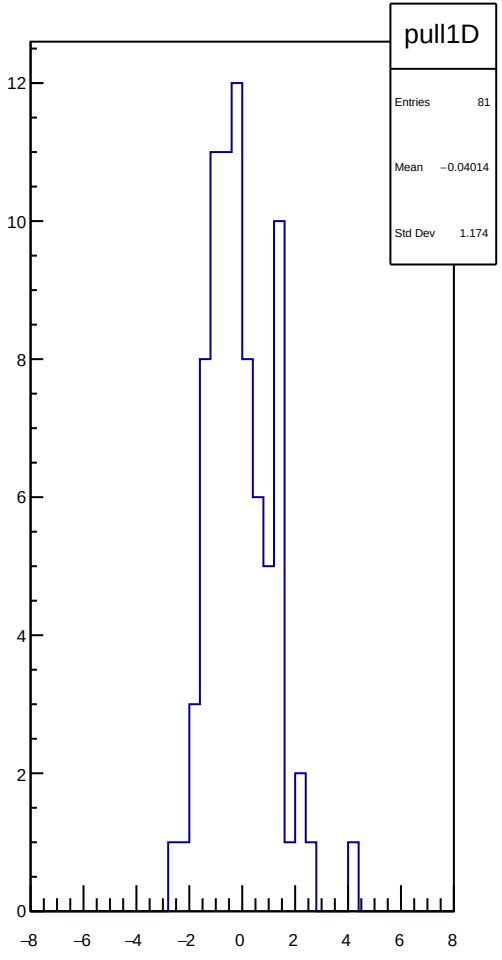

pull1D
Entries 81
Mean 0.02519
Std Dev 0.6875
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

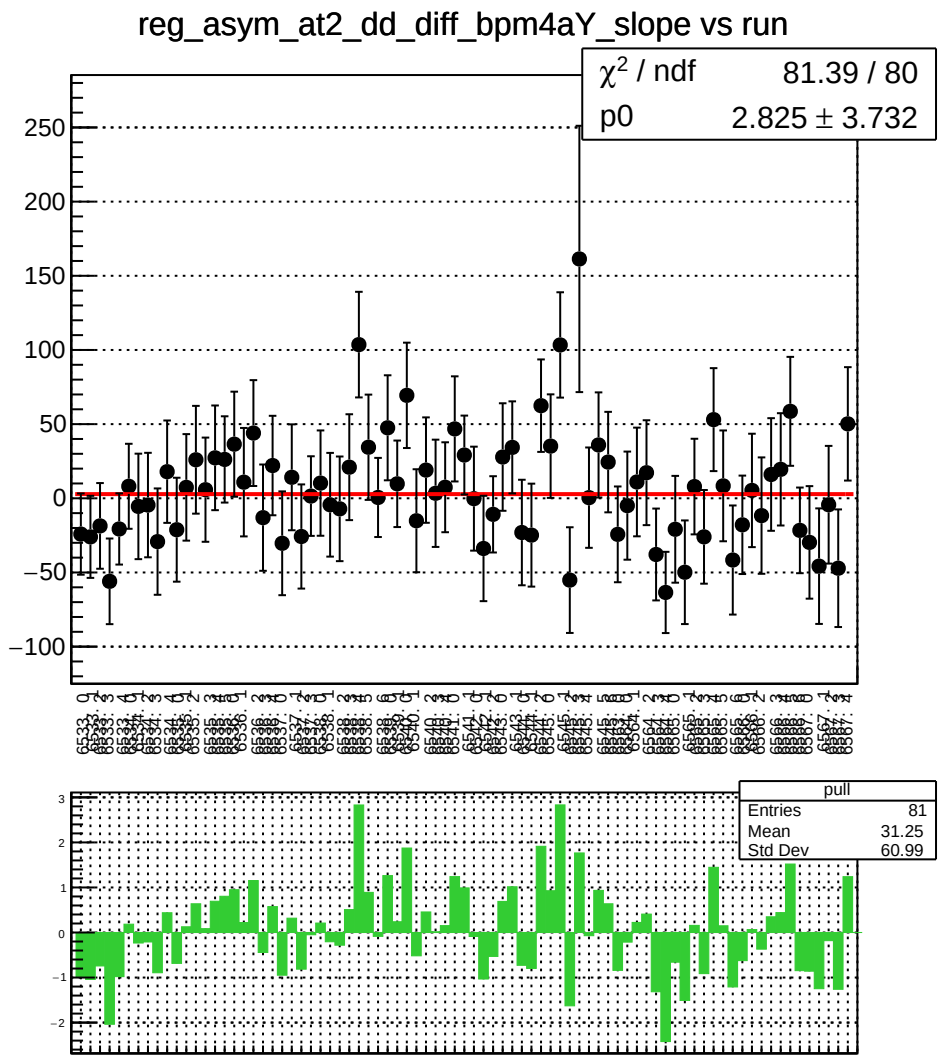

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.13 / 80
p0 112.2 ± 17.09
pull
Entries 81
Mean 25.56
Std Dev 68.93

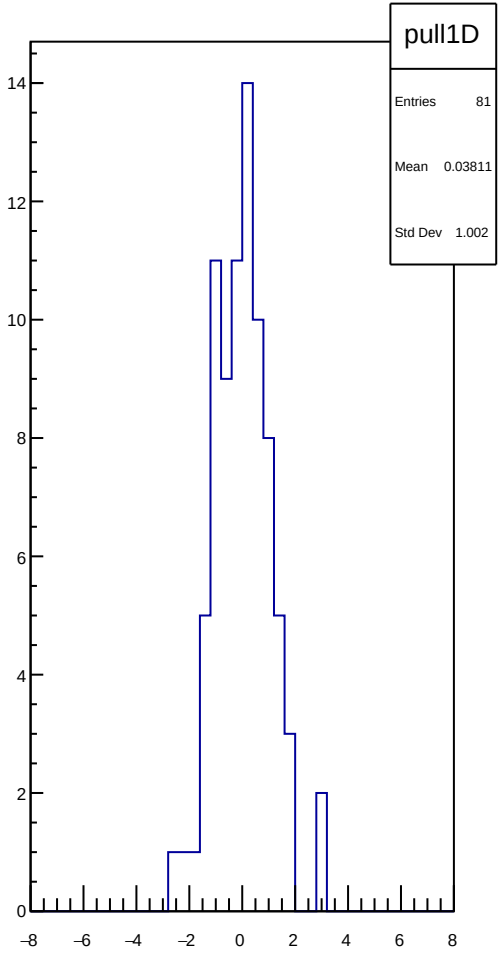

pull1D
Entries 81
Mean −0.0338
Std Dev 0.7118

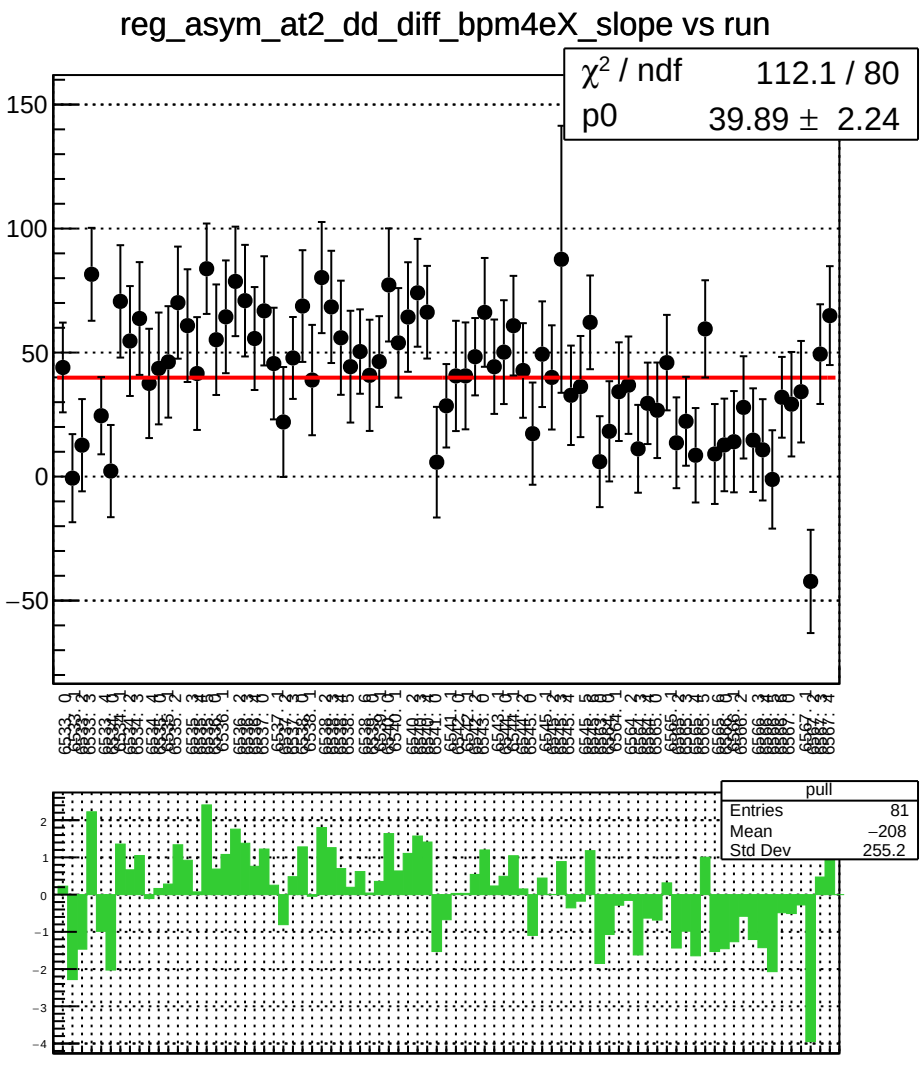

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 315.4 / 80
p0 −293.5 ± 0.3758
−280
−290
−300
−310
−320
−330
−340
pull
Entries 81
Mean 781.9
Std Dev 738.1
2
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 81
Mean 0.1558
Std Dev 1.078
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

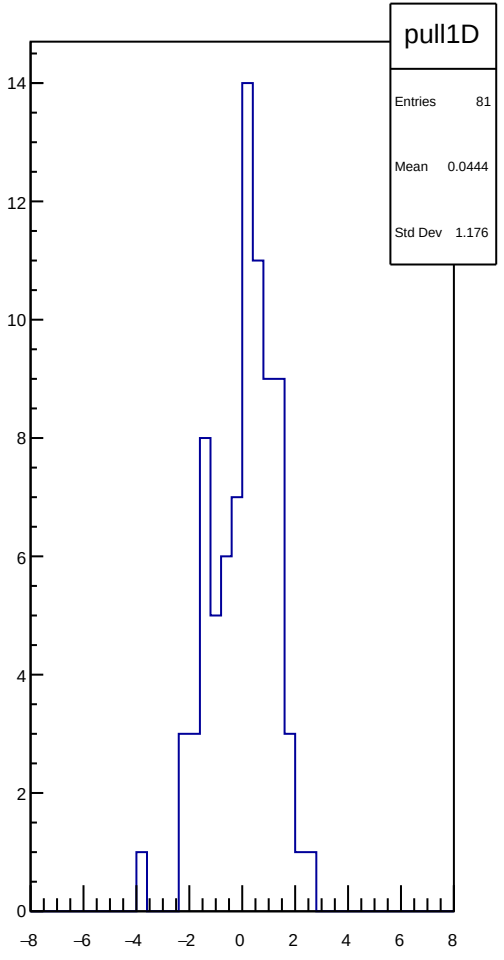

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 111.7 / 80
p0 40.16 ± 2.069
150
100
50
0
−50
pull
Entries 81
Mean −230.3
Std Dev 278
4
3
2
1
0
−1
−2

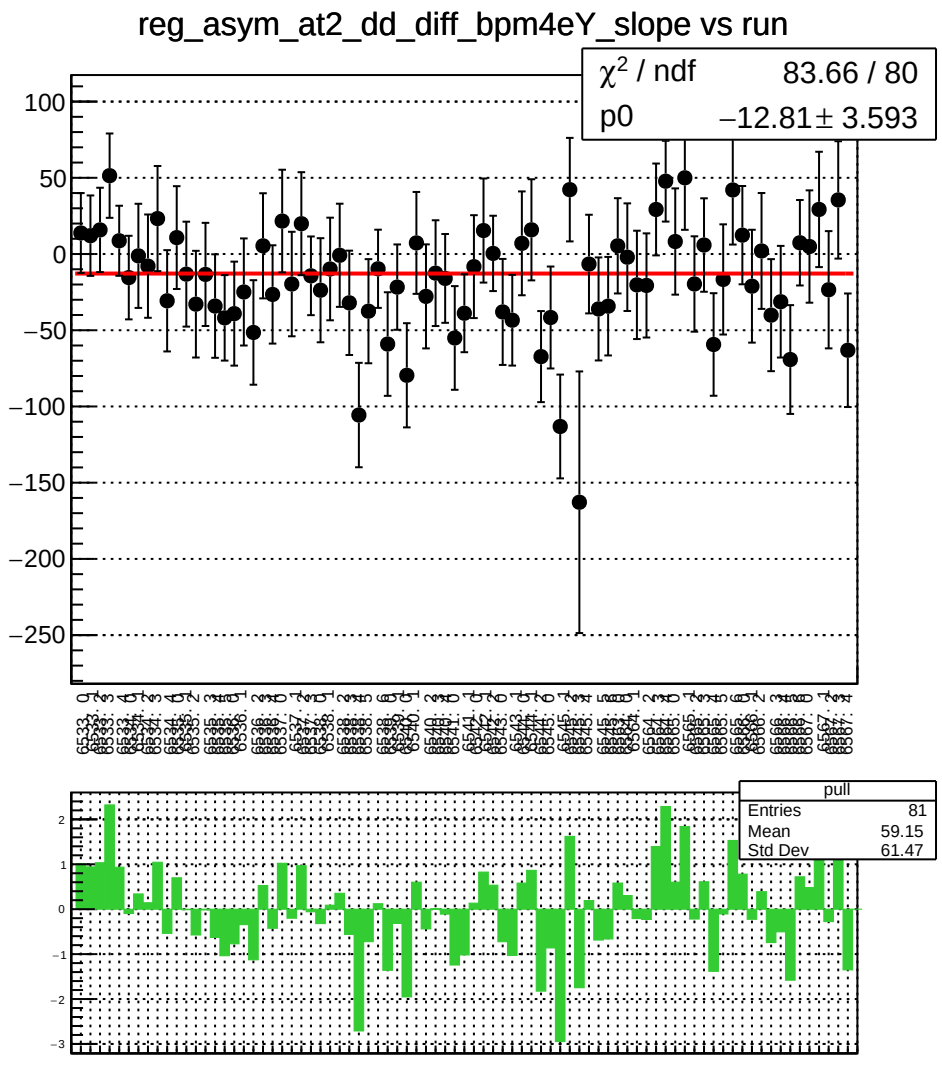

pull1D
Entries 81
Mean −0.04014
Std Dev 1.174
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

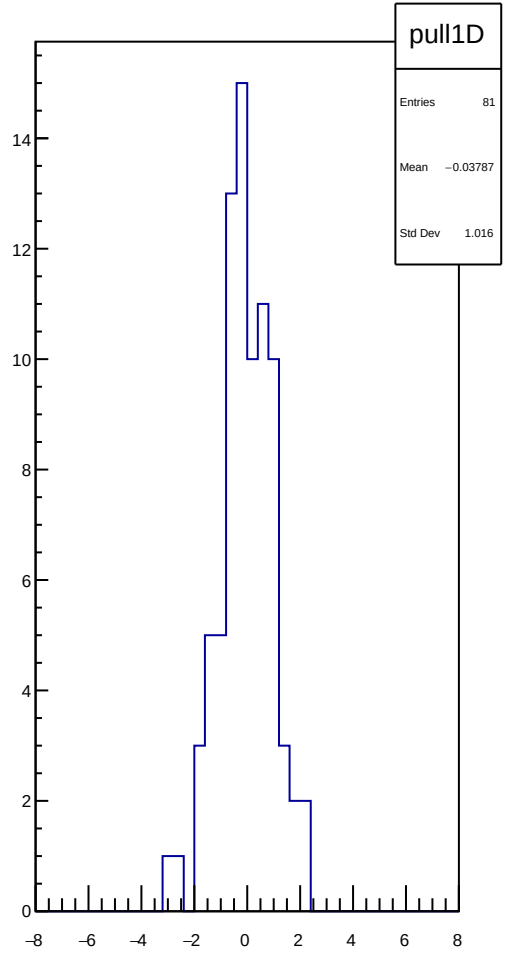

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.39 / 80
p0 2.825 ± 3.732
pull
Entries 81
Mean 31.25
Std Dev 60.99

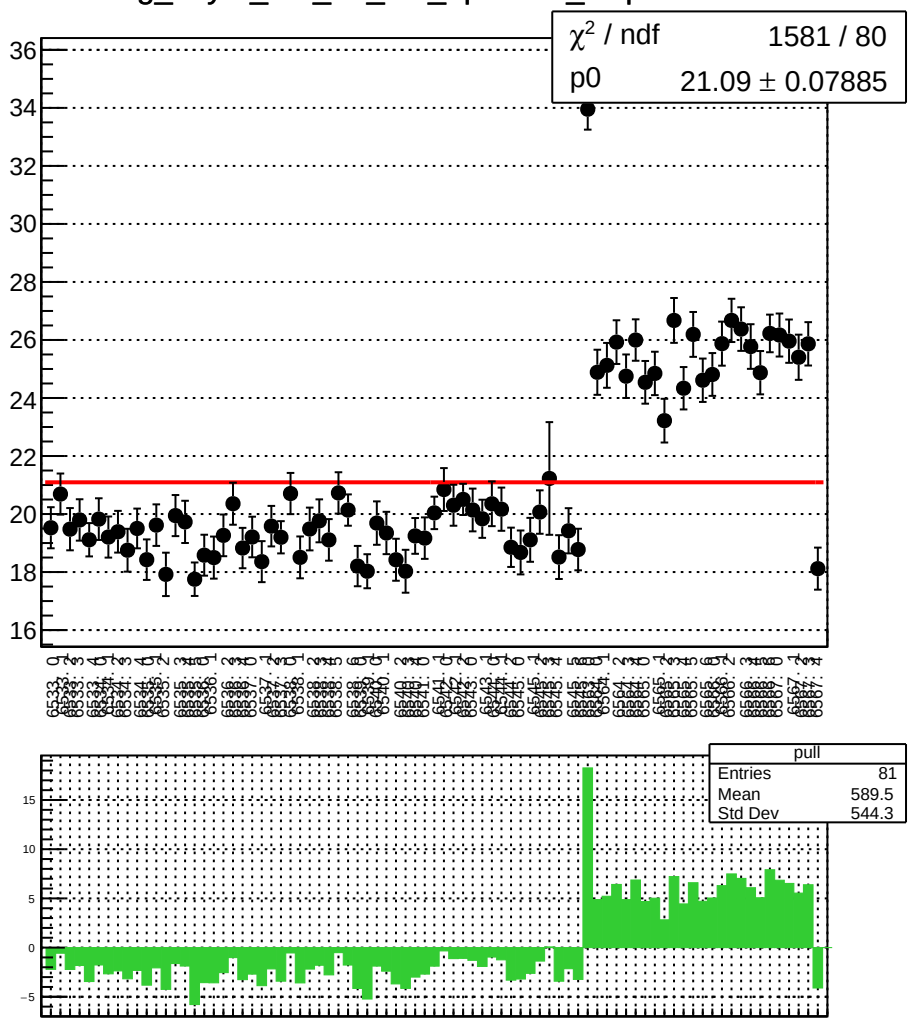

pull1D
Entries 81
Mean 0.03811
Std Dev 1.002

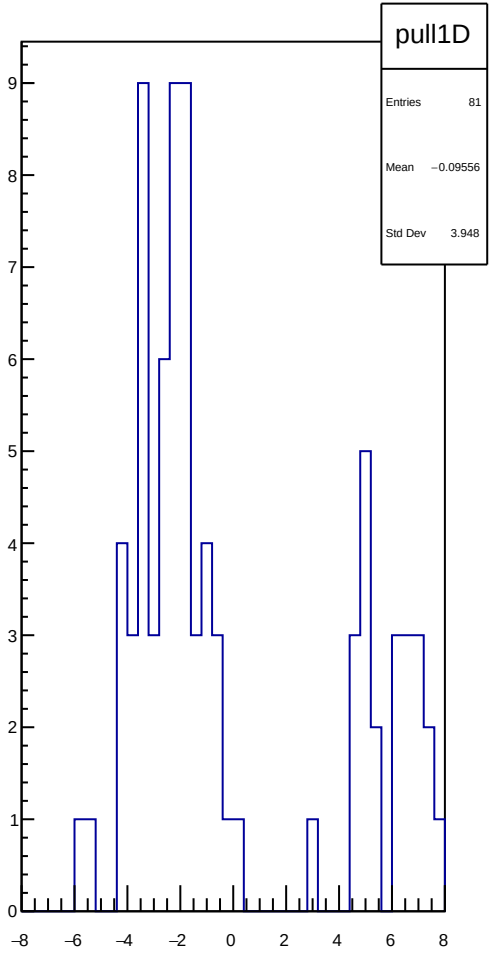

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 112.1 / 80
p0 39.89 ± 2.24
150
100
50
0
−50
pull
Entries 81
Mean −208
Std Dev 255.2
2
1
0
−1
−2
−3
−4

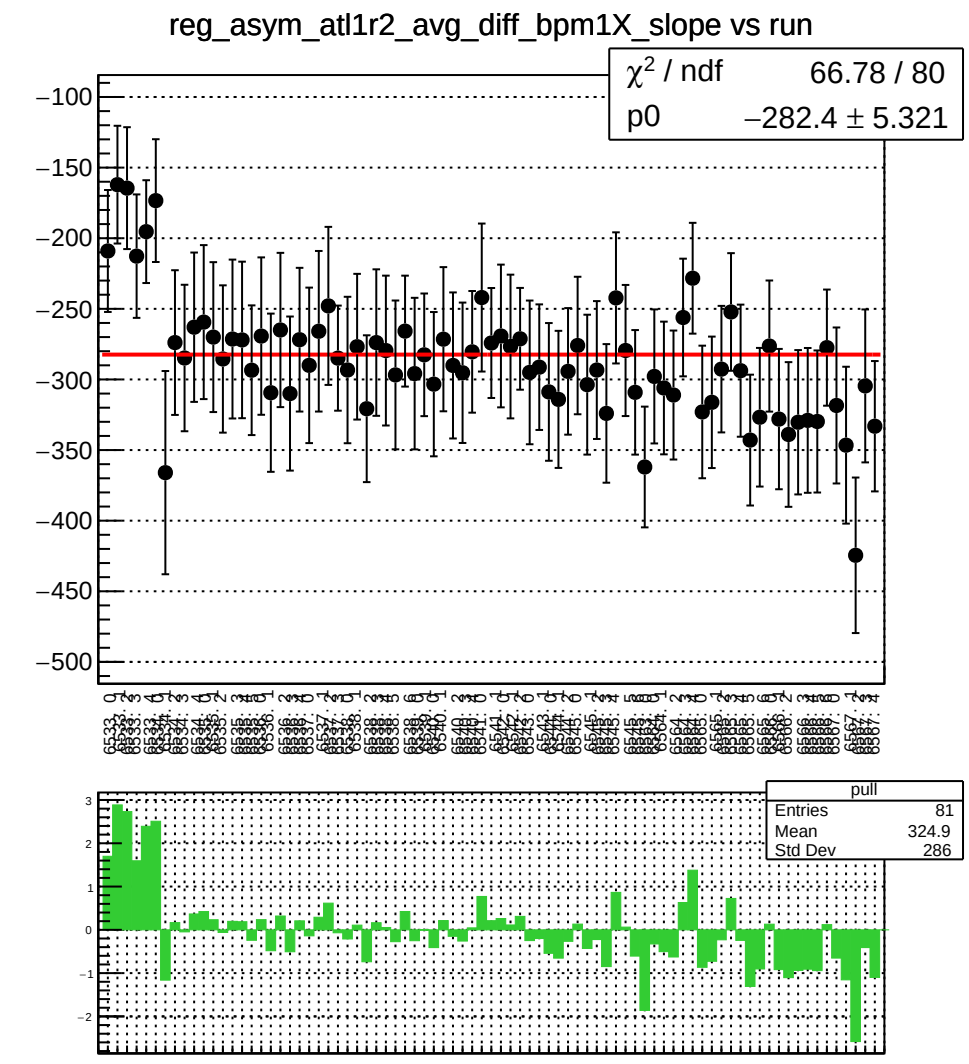

pull1D
Entries 81
Mean 0.0444
Std Dev 1.176
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

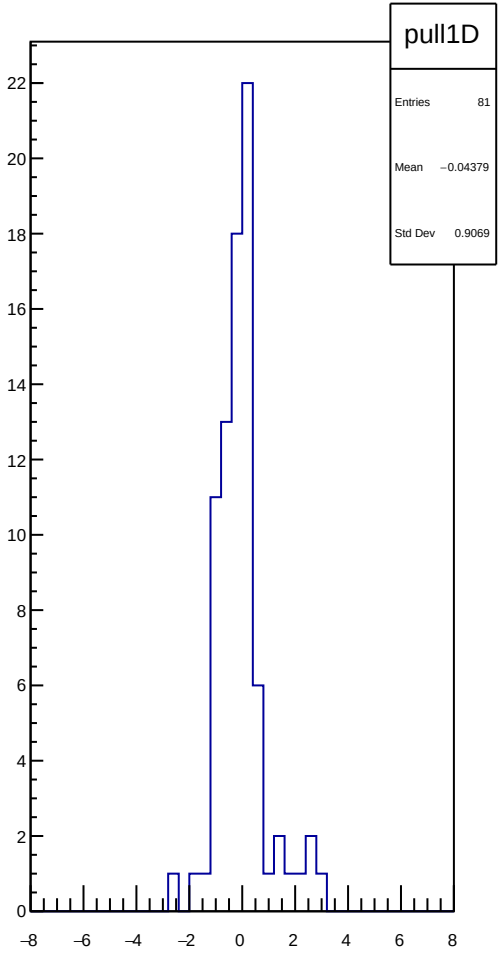

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.66 / 80
p0 −12.81± 3.593
pull
Entries 81
Mean 59.15
Std Dev 61.47

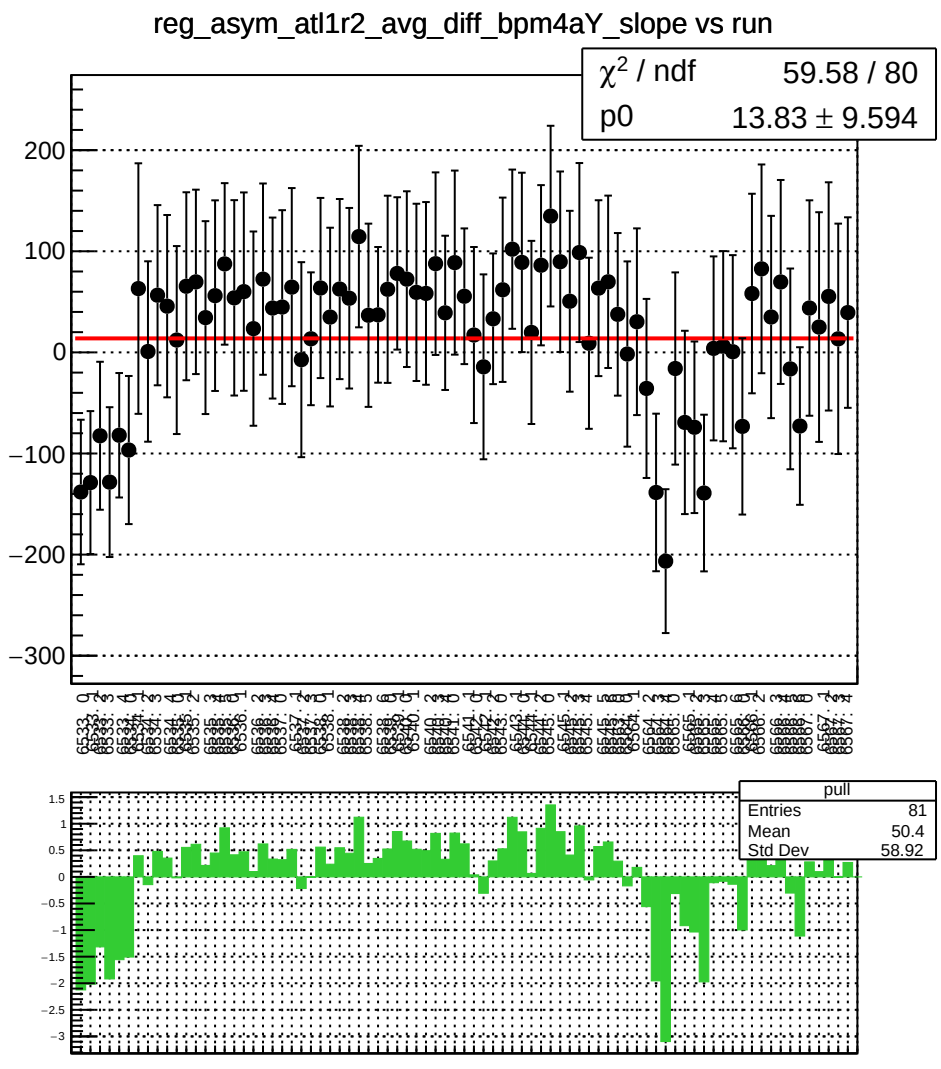

pull1D
Entries 81
Mean −0.03787
Std Dev 1.016

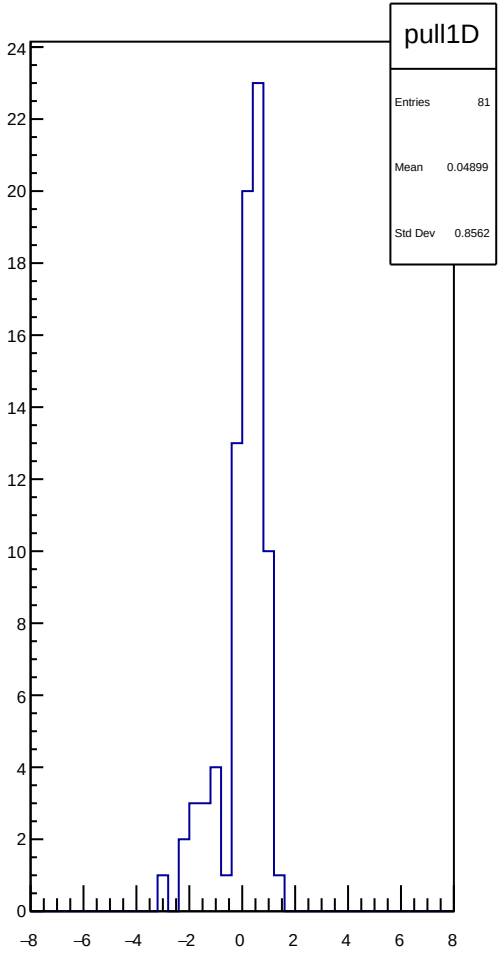

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 1581 / 80
p0 21.09 ± 0.07885
pull
Entries 81
Mean 589.5
Std Dev 544.3

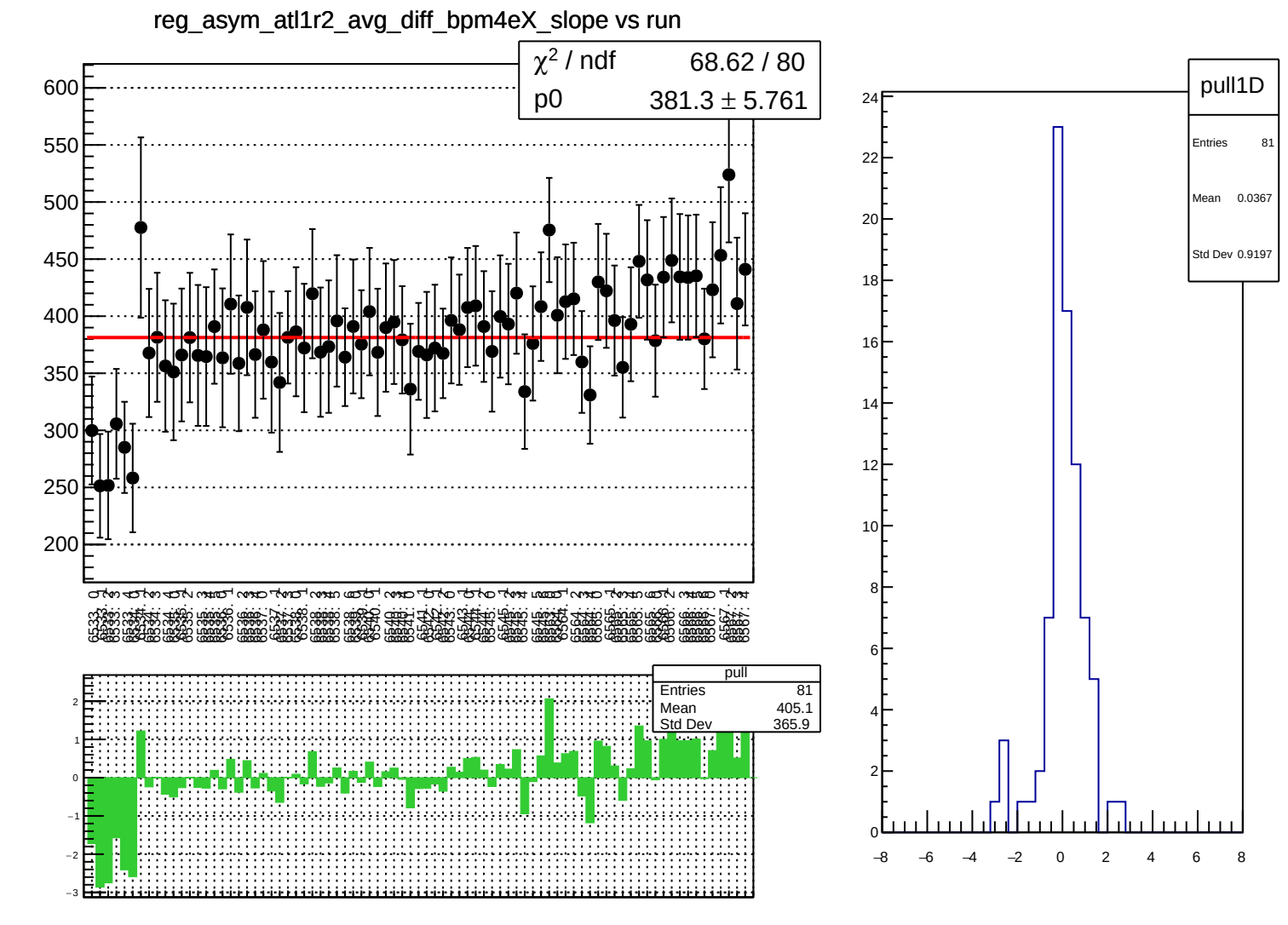

pull1D
Entries 81
Mean −0.09556
Std Dev 3.948

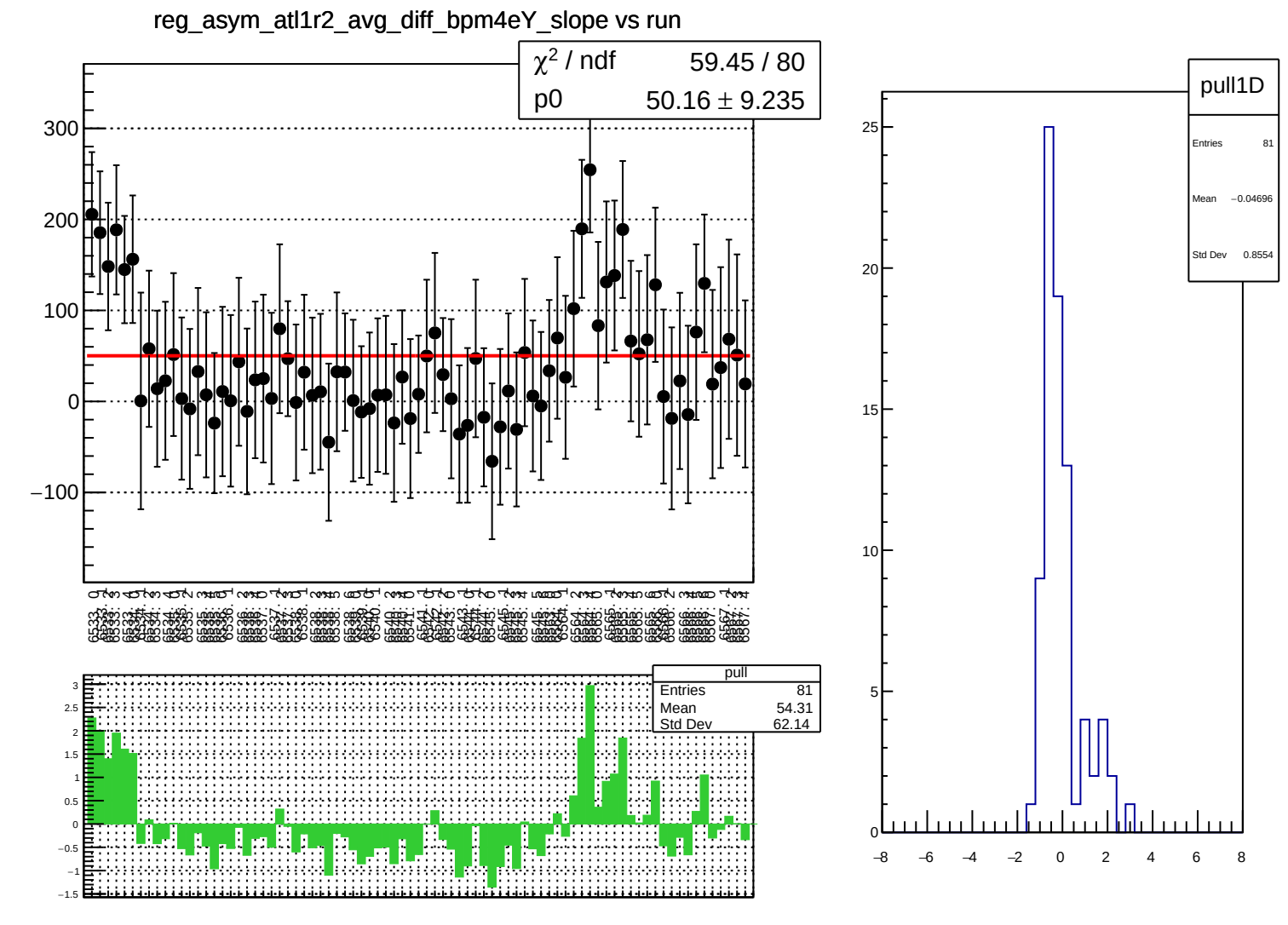

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 66.78 / 80
p0 −282.4 ± 5.321
pull
Entries 81
Mean 324.9
Std Dev 286

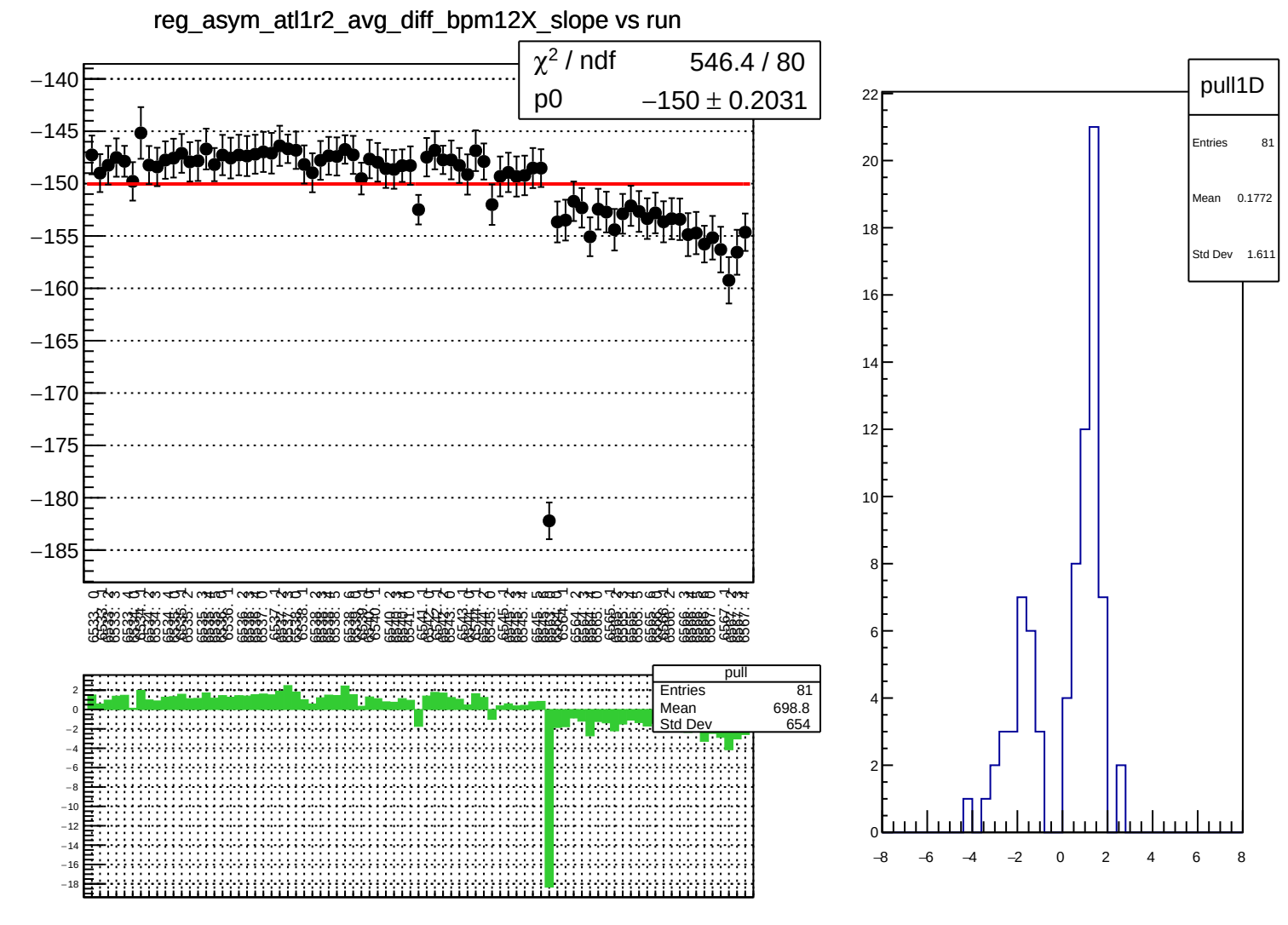

pull1D
Entries 81
Mean −0.04379
Std Dev 0.9069

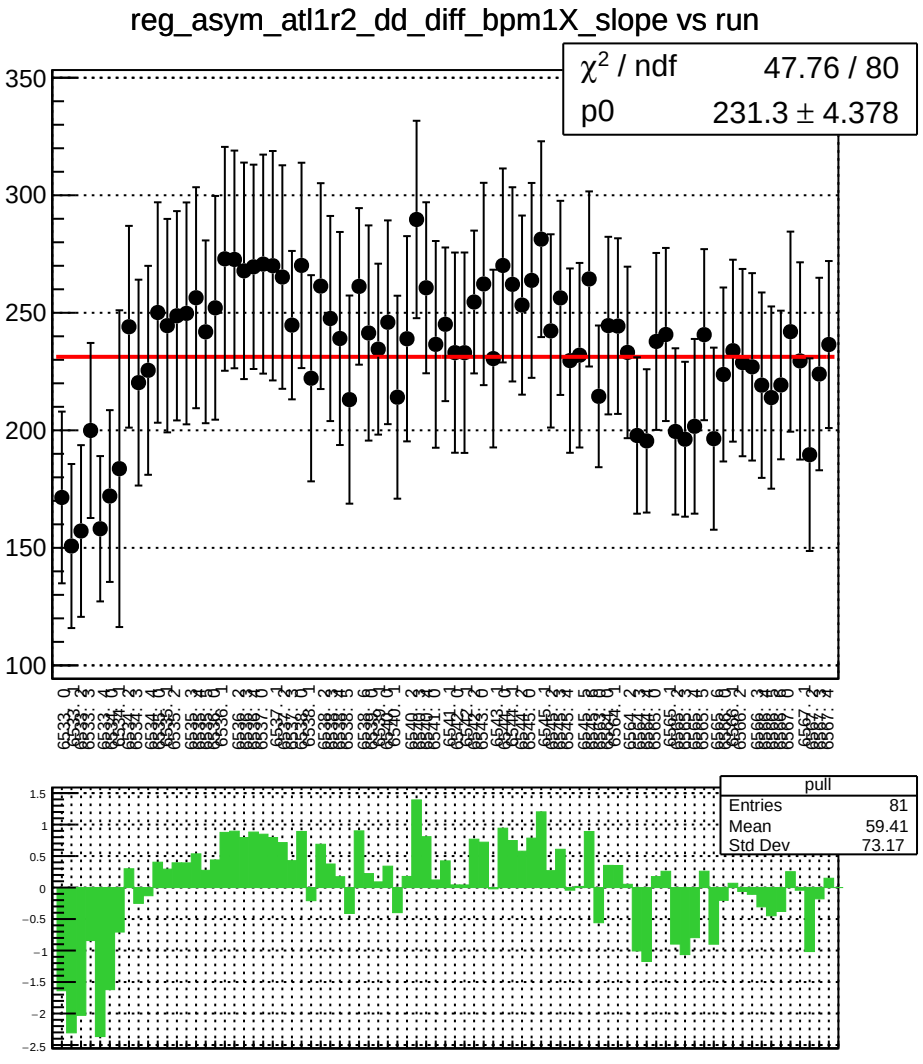

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 59.58 / 80
p0 13.83 ± 9.594
pull
Entries 81
Mean 50.4
Std Dev 58.92

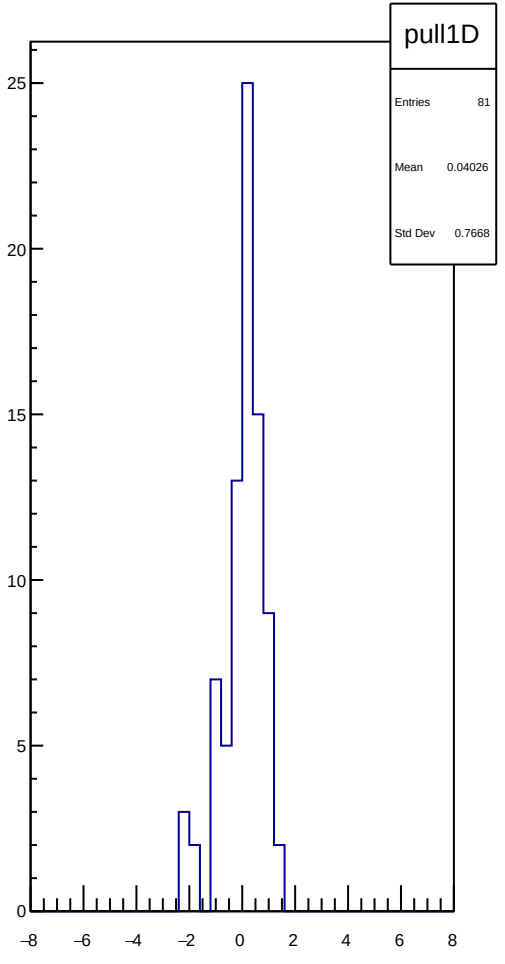

pull1D
Entries 81
Mean 0.04899
Std Dev 0.8562

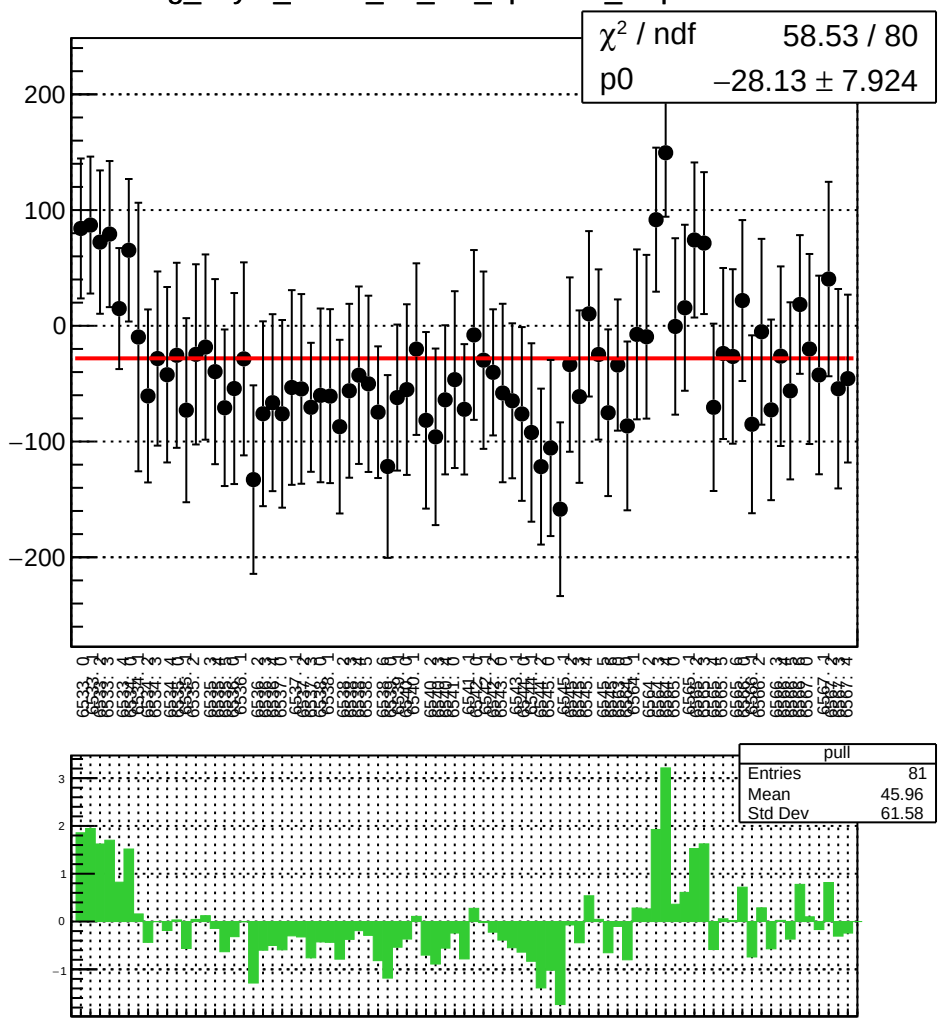

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.62 / 80
p0 381.3 ± 5.761
pull
Entries 81
Mean 405.1
Std Dev 365.9
pull1D
Entries 81
Mean 0.0367
Std Dev 0.9197

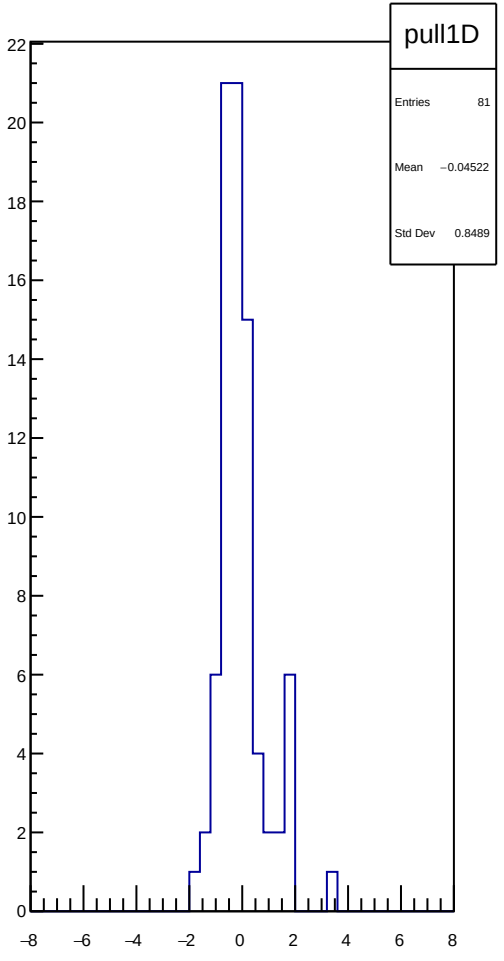

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.45 / 80
p0 50.16 ± 9.235
300
200
100
0
−100
pull
Entries 81
Mean 54.31
Std Dev 62.14
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.04696
Std Dev 0.8554
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

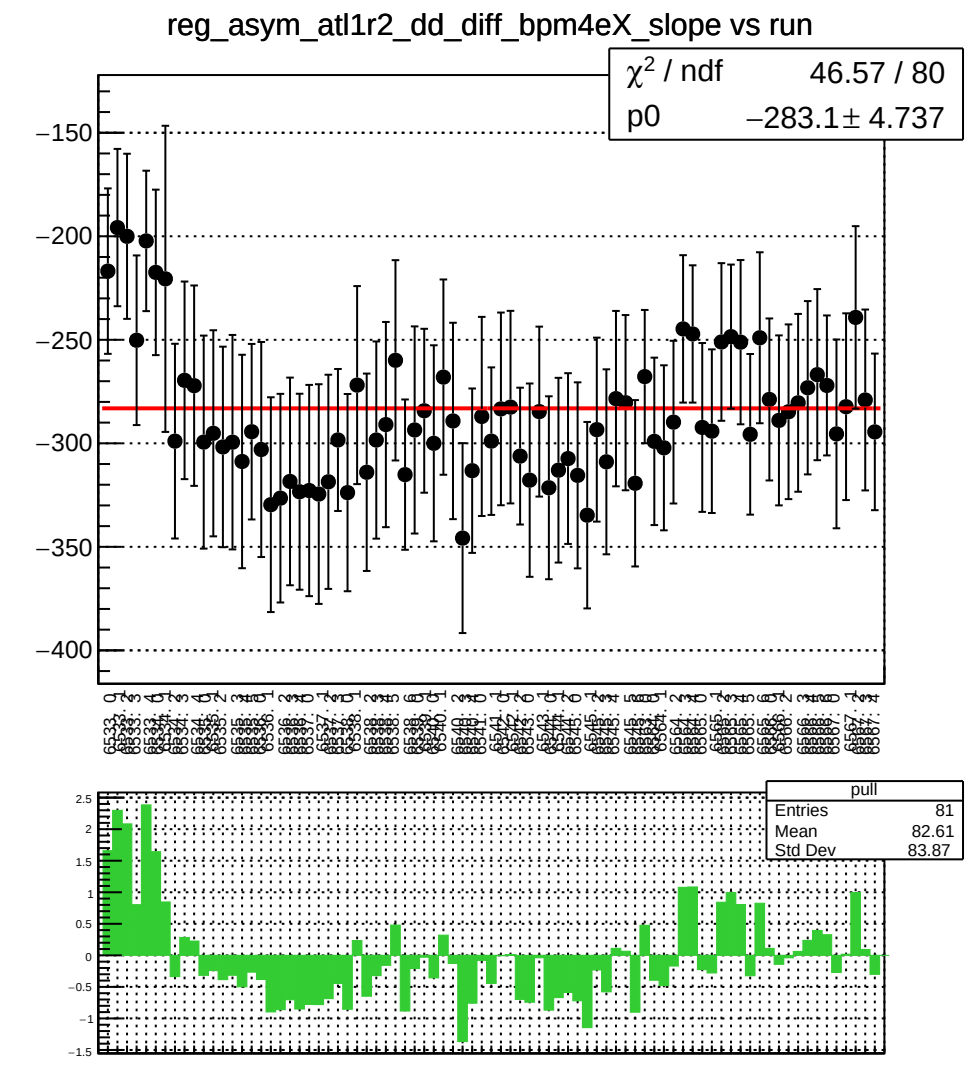

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 546.4 / 80
p0 −150 ± 0.2031
pull
Entries 81
Mean 698.8
Std Dev 654
pull1D
Entries 81
Mean 0.1772
Std Dev 1.611

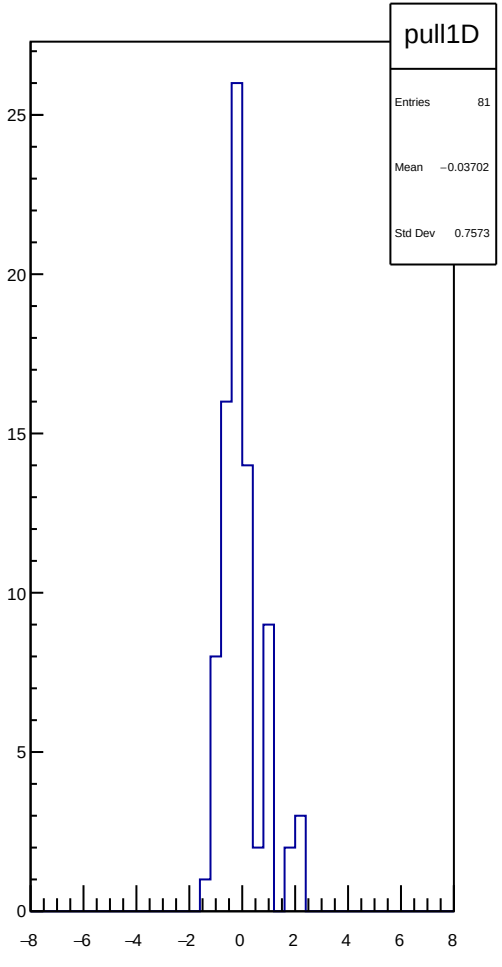

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 47.76 / 80
p0 231.3 ± 4.378
pull
Entries 81
Mean 59.41
Std Dev 73.17

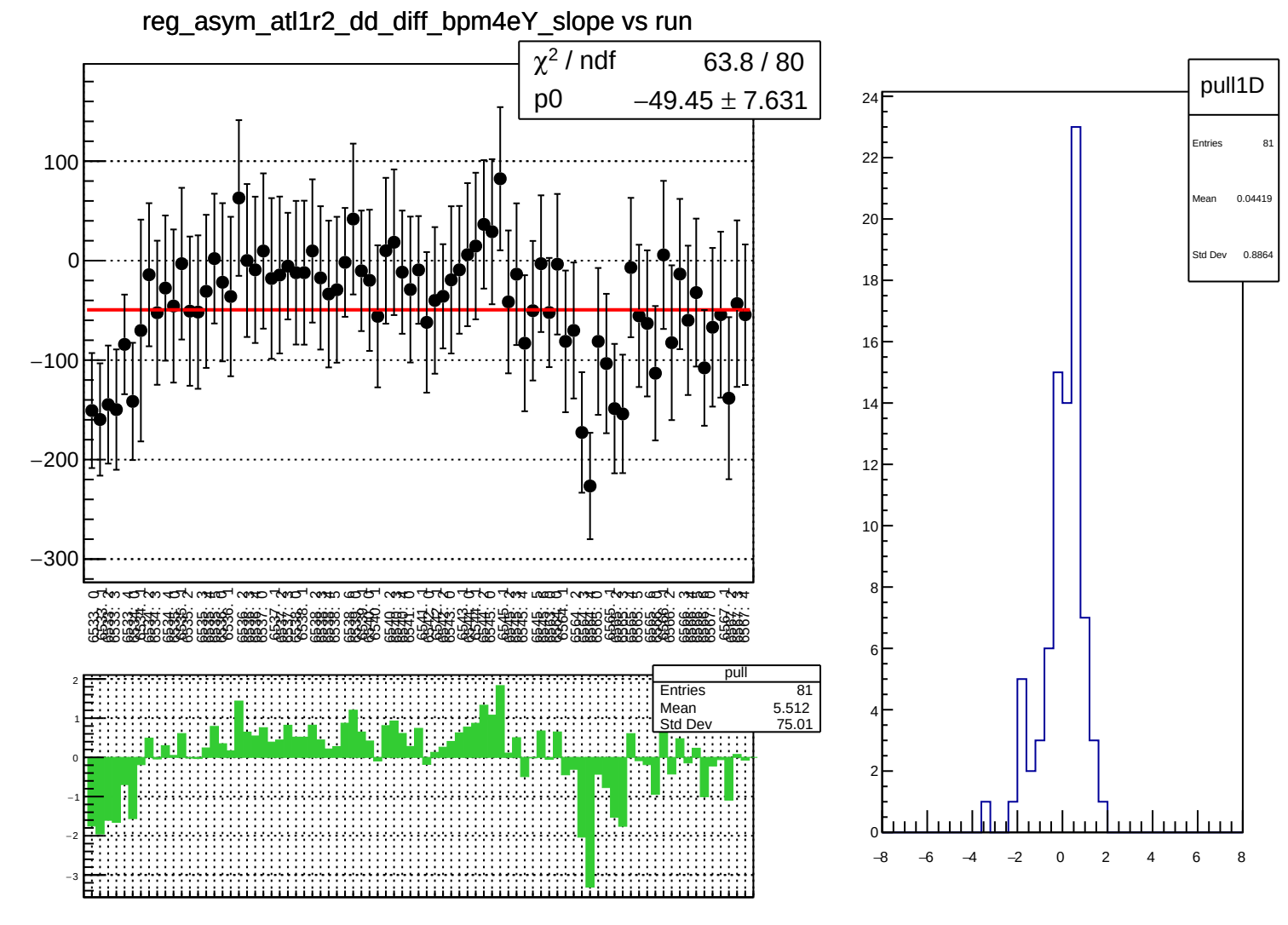

pull1D
Entries 81
Mean 0.04026
Std Dev 0.7668

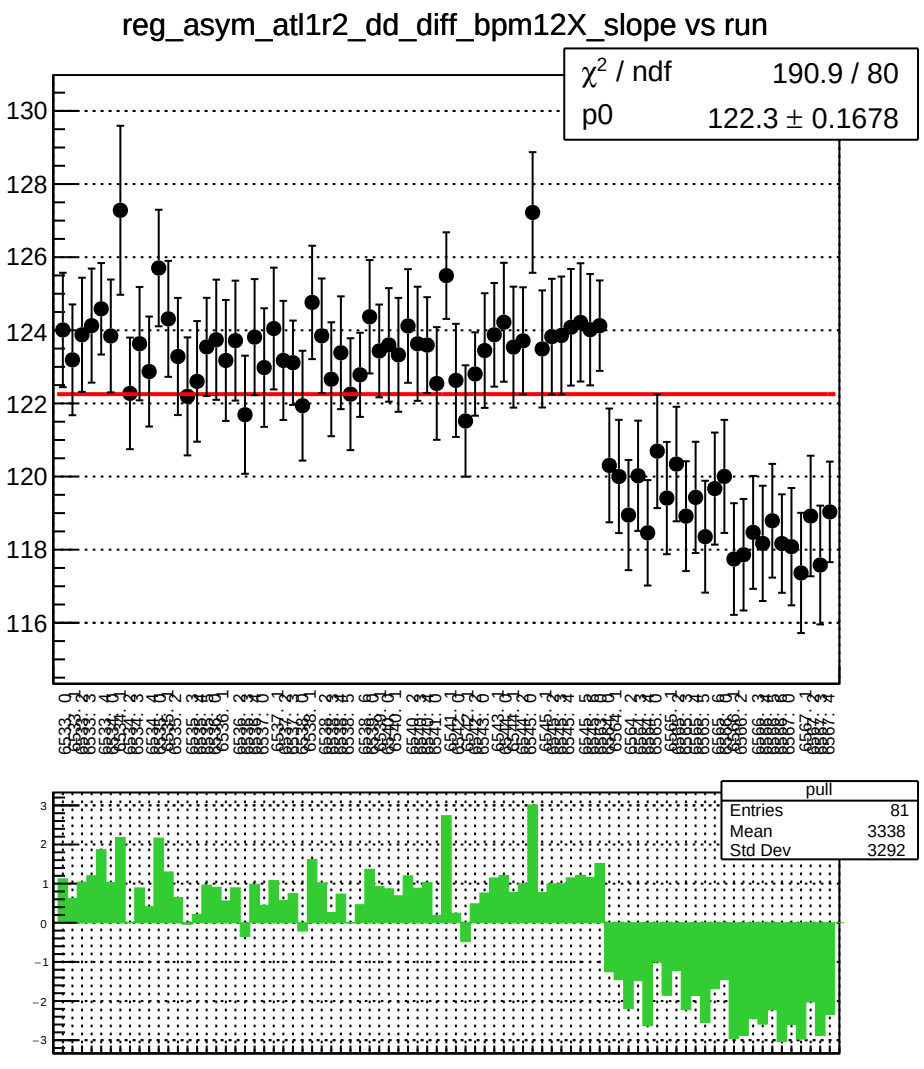

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.53 / 80
p0 −28.13 ± 7.924
200
100
0
−100
−200
pull
Entries 81
Mean 45.96
Std Dev 61.58
3
2
1
0
−1

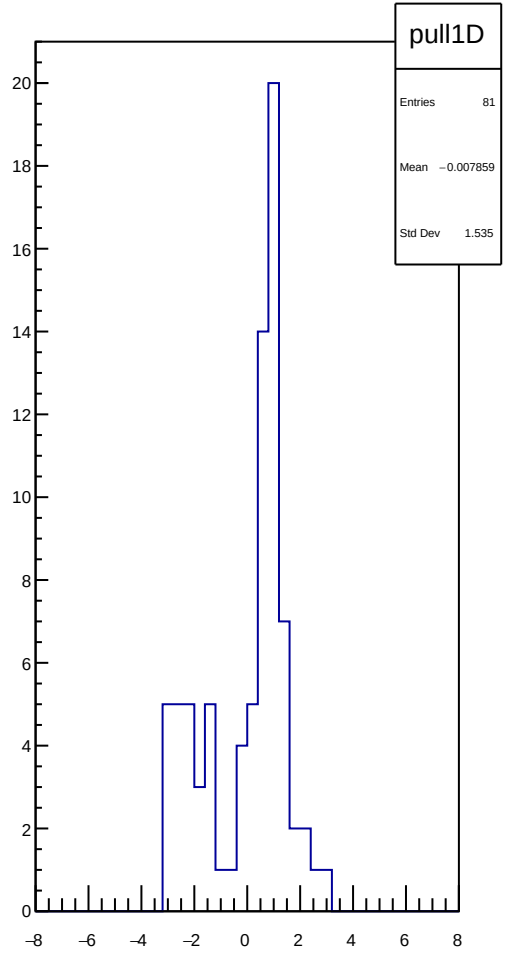

pull1D
Entries 81
Mean −0.04522
Std Dev 0.8489
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

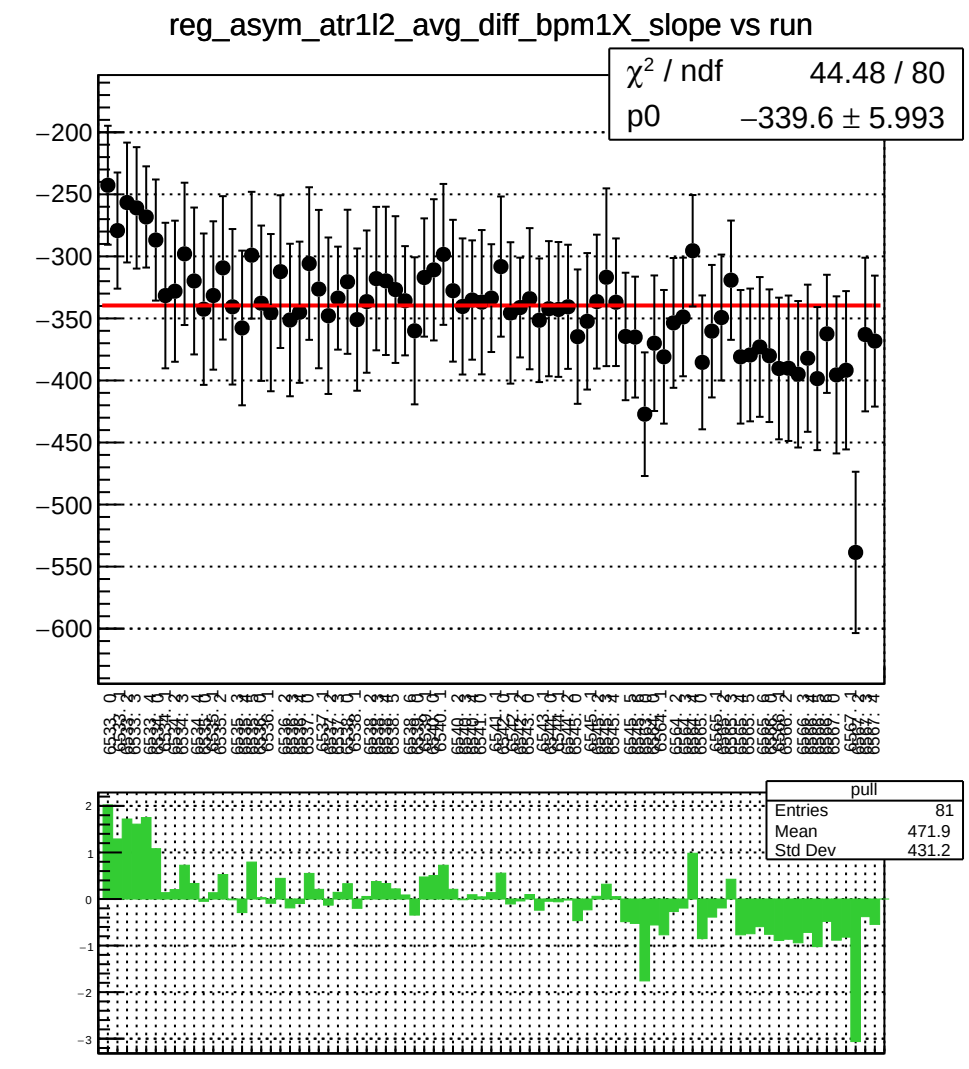

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.57 / 80
p0 −283.1 ± 4.737
pull
Entries 81
Mean 82.61
Std Dev 83.87

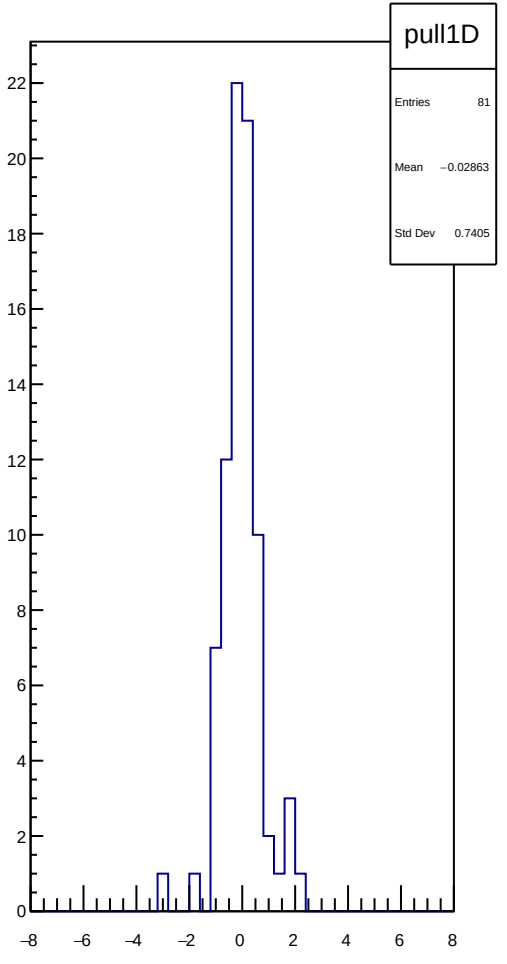

pull1D
Entries 81
Mean −0.03702
Std Dev 0.7573

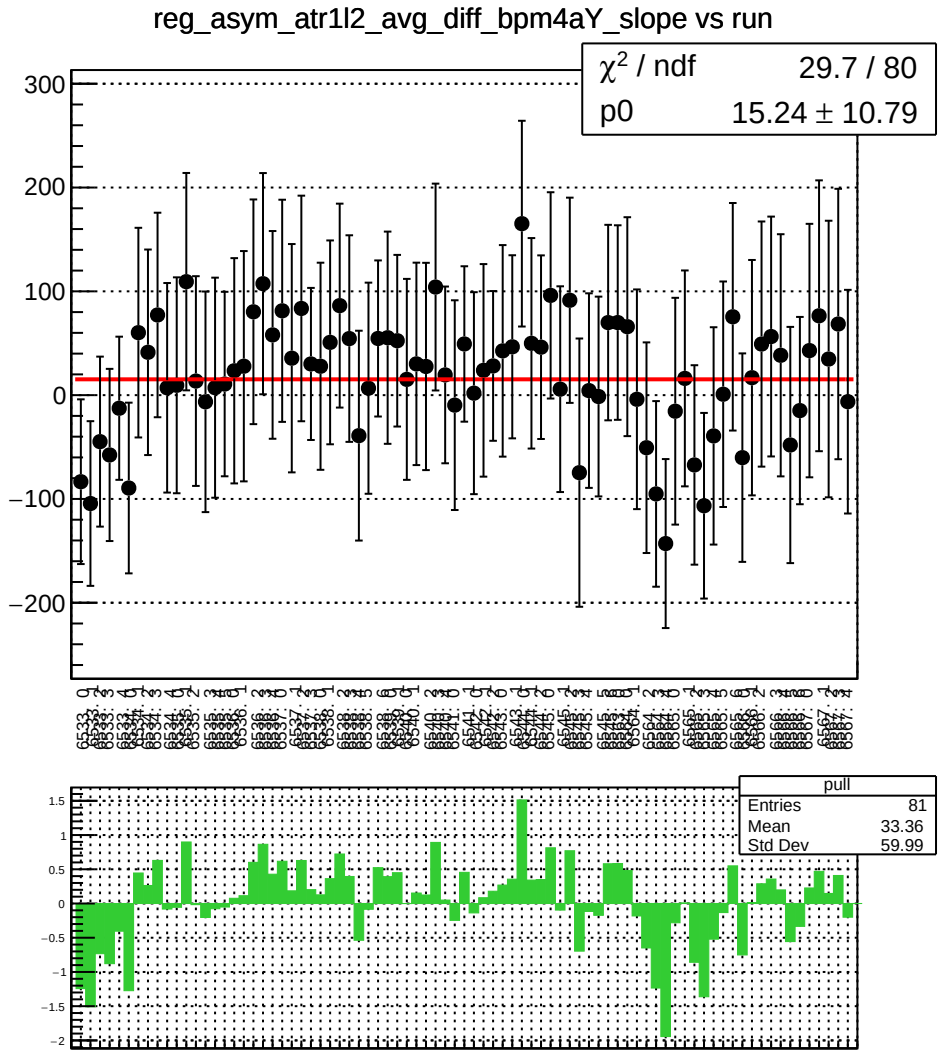

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.8 / 80
p0 −49.45 ± 7.631
100
0
−100
−200
−300
pull
Entries 81
Mean 5.512
Std Dev 75.01
pull1D
Entries 81
Mean 0.04419
Std Dev 0.8864

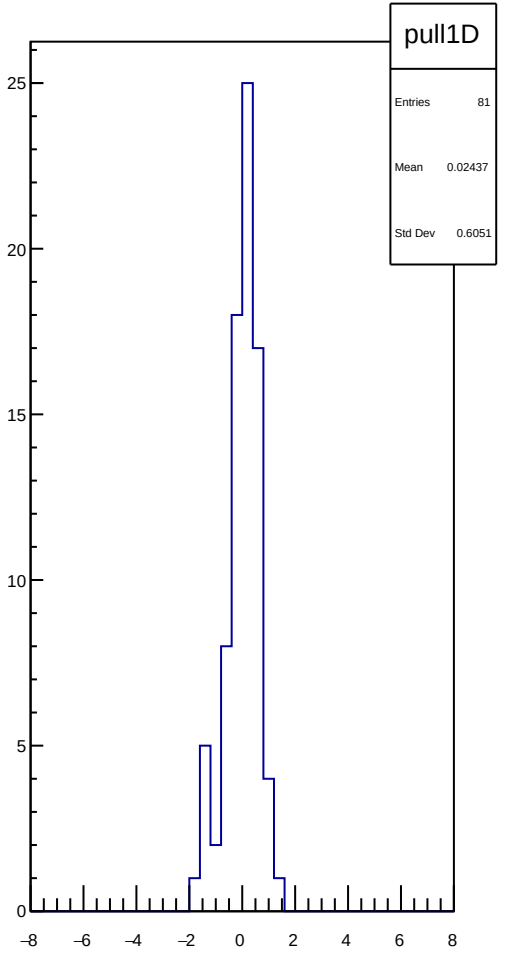

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 190.9 / 80
p0 122.3 ± 0.1678
130
128
126
124
122
120
118
116
pull
Entries 81
Mean 3338
Std Dev 3292
3
2
1
0
−1
−2
−3

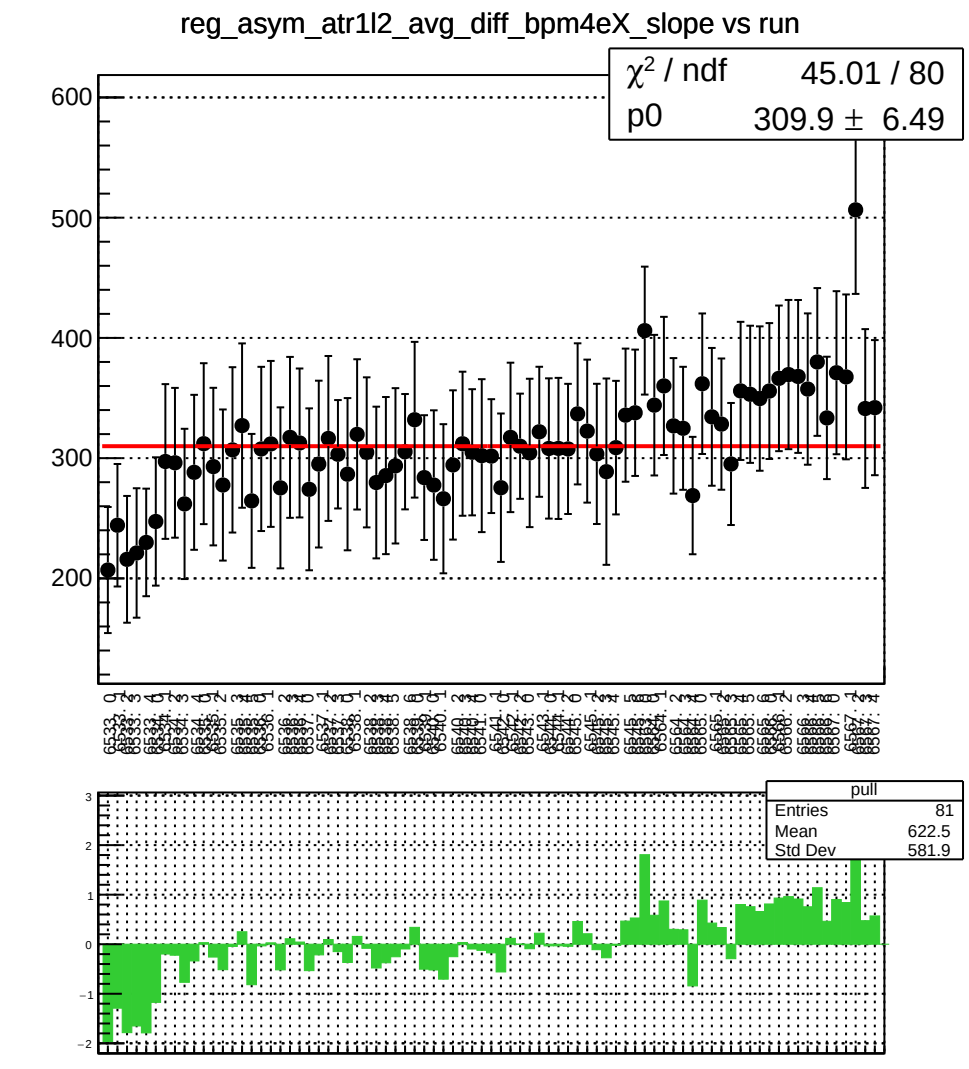

pull1D
Entries 81
Mean −0.007859
Std Dev 1.535
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

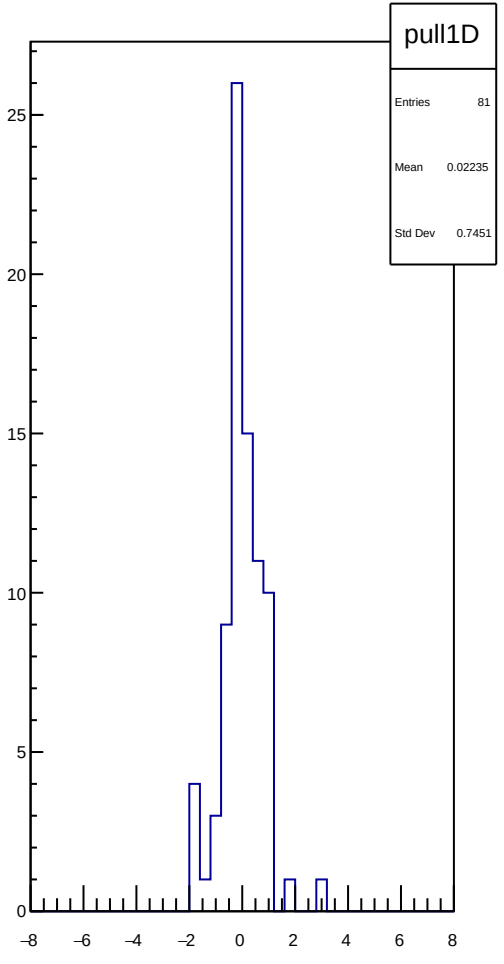

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 44.48 / 80
p0 −339.6 ± 5.993
pull
Entries 81
Mean 471.9
Std Dev 431.2

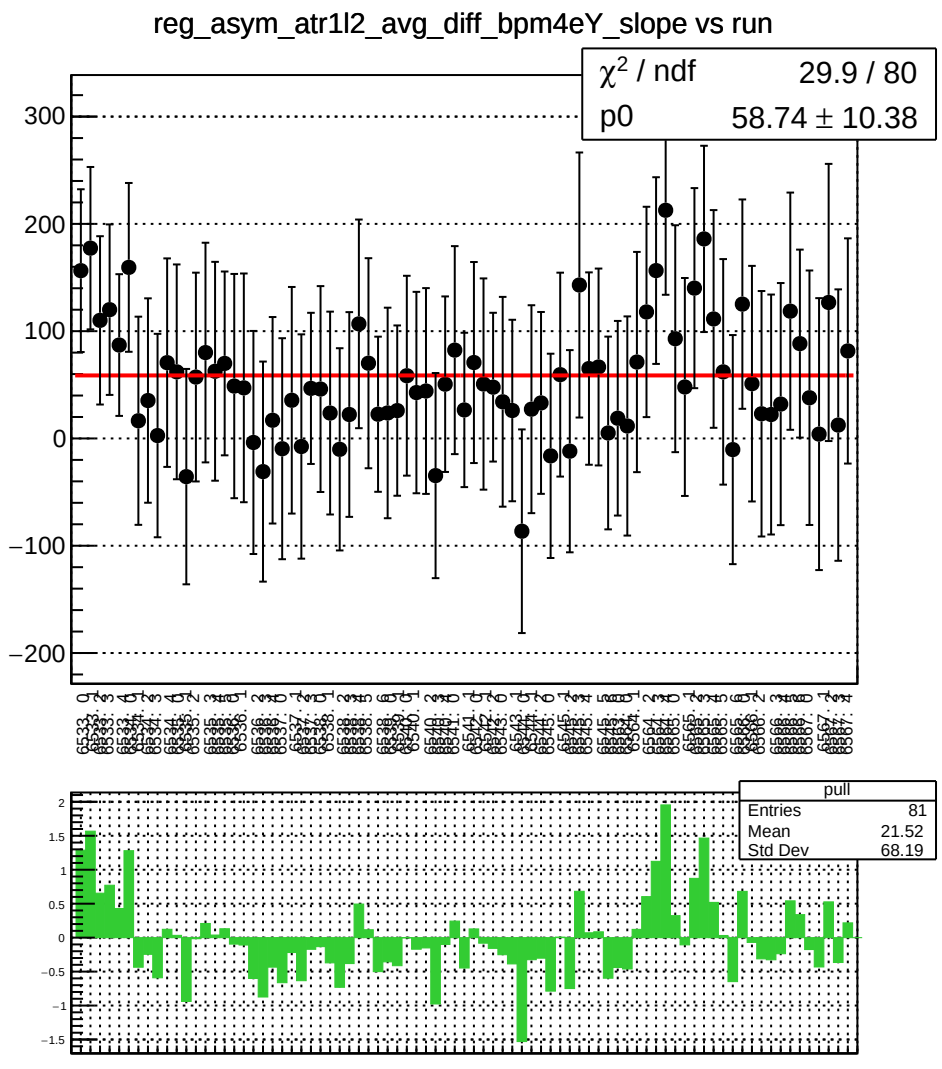

pull1D
Entries 81
Mean −0.02863
Std Dev 0.7405

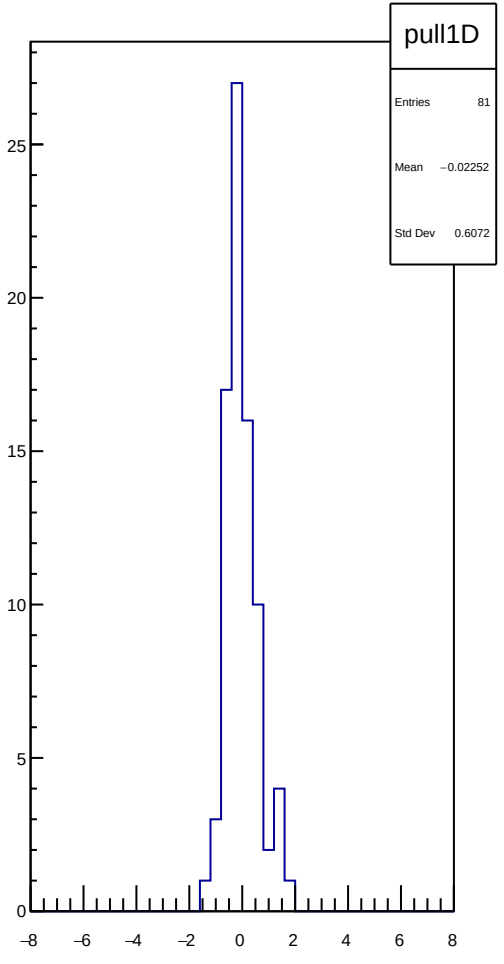

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.7 / 80
p0 15.24 ± 10.79
pull
Entries 81
Mean 33.36
Std Dev 59.99

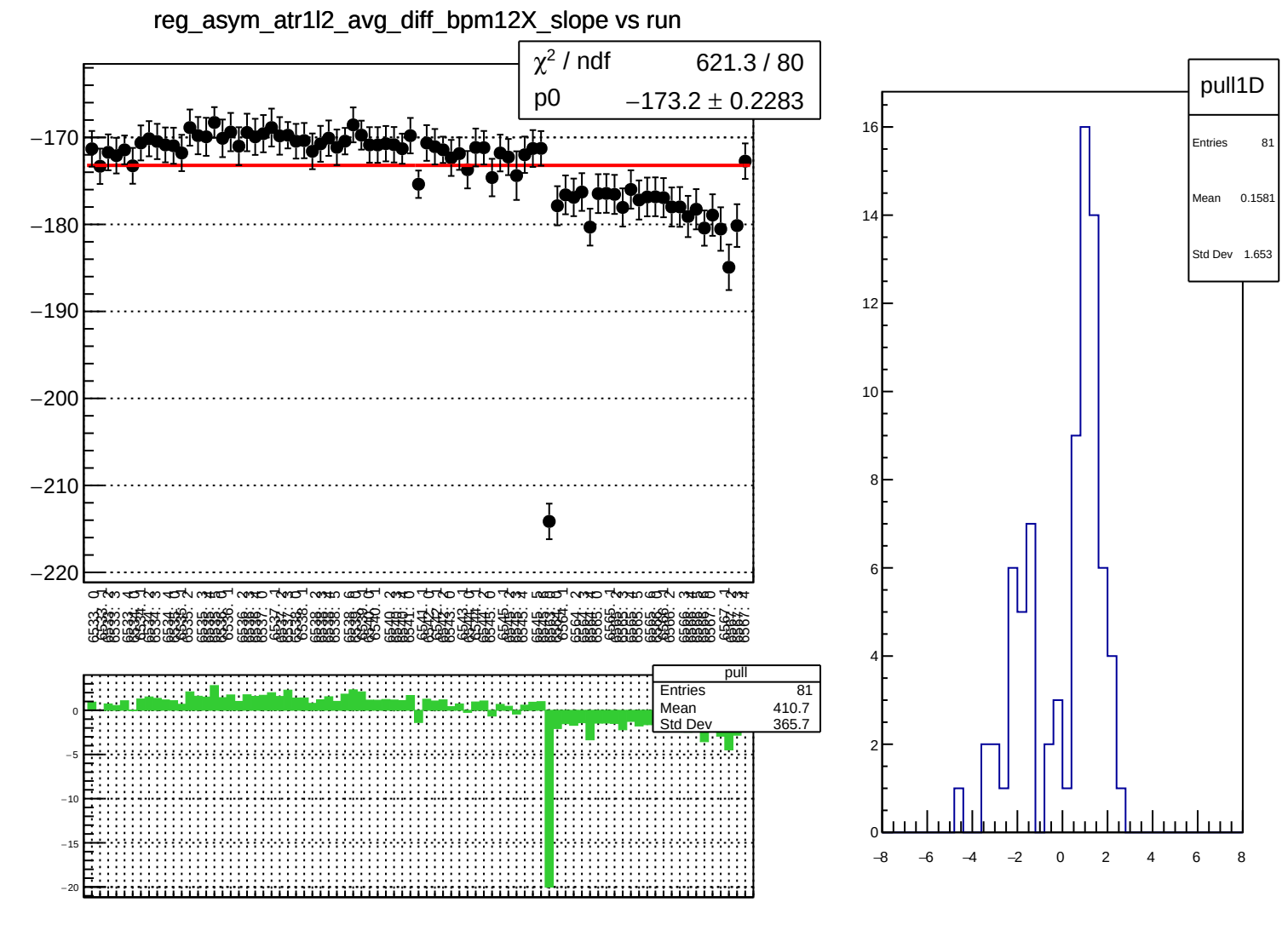

pull1D
Entries 81
Mean 0.02437
Std Dev 0.6051

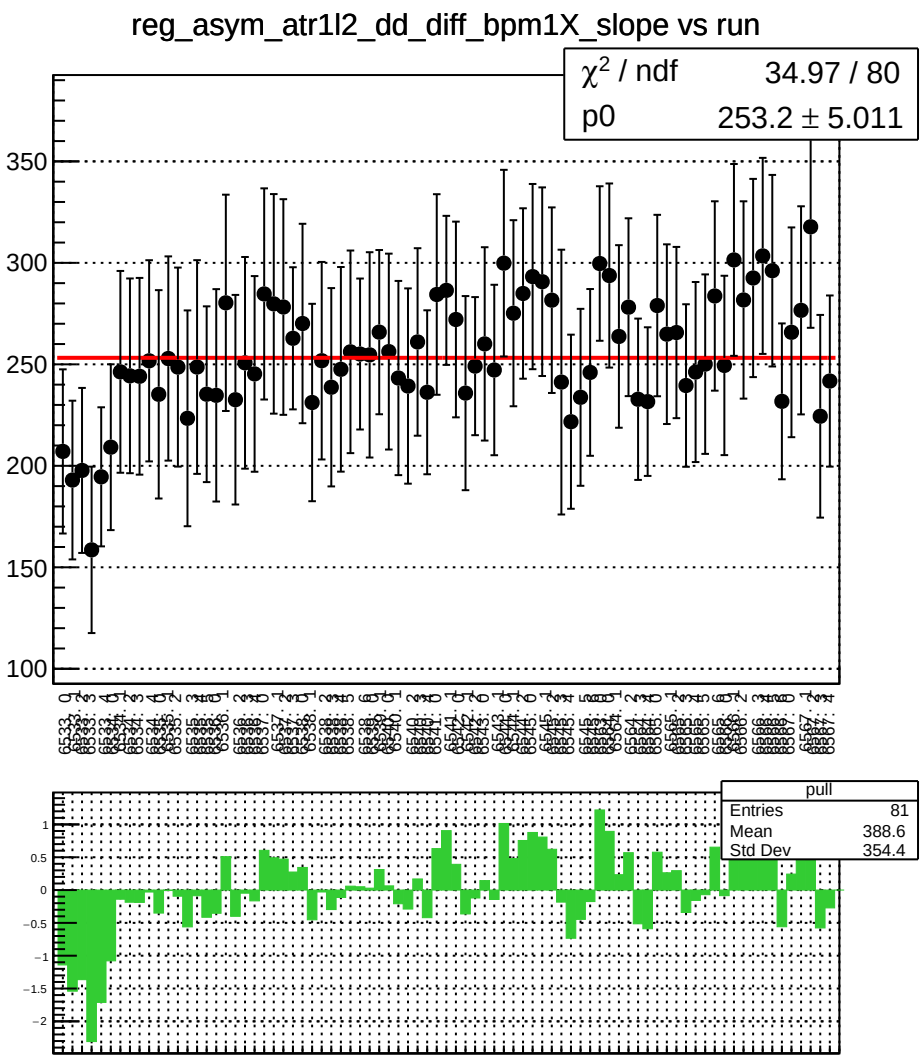

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.01 / 80
p0 309.9 ± 6.49
pull
Entries 81
Mean 622.5
Std Dev 581.9

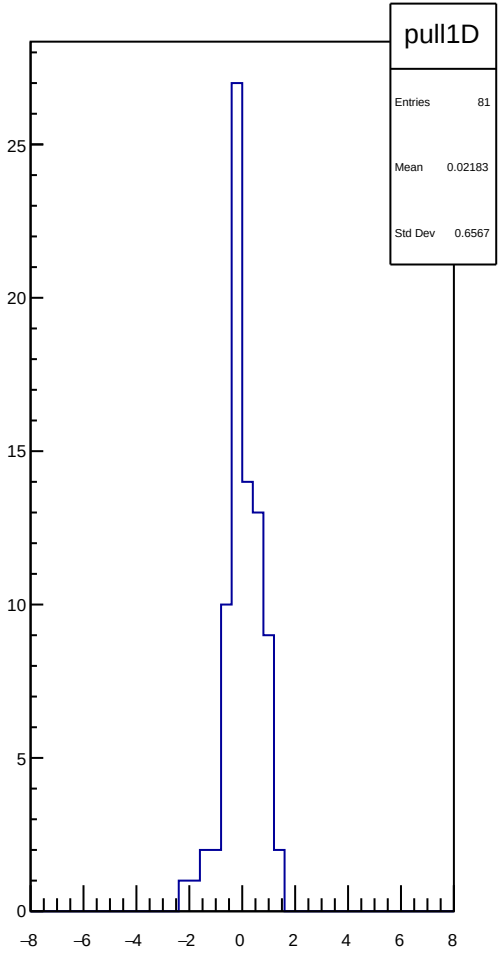

pull1D
Entries 81
Mean 0.02235
Std Dev 0.7451

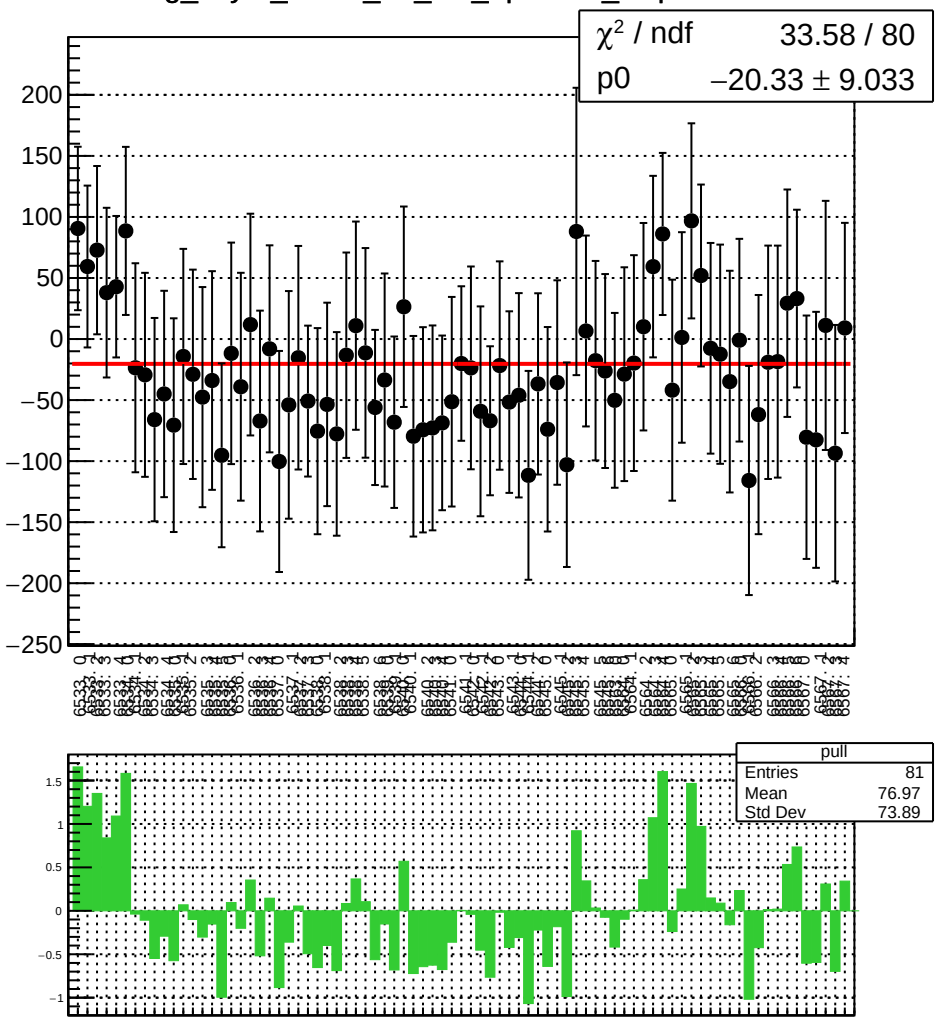

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.9 / 80
p0 58.74 ± 10.38
pull
Entries 81
Mean 21.52
Std Dev 68.19

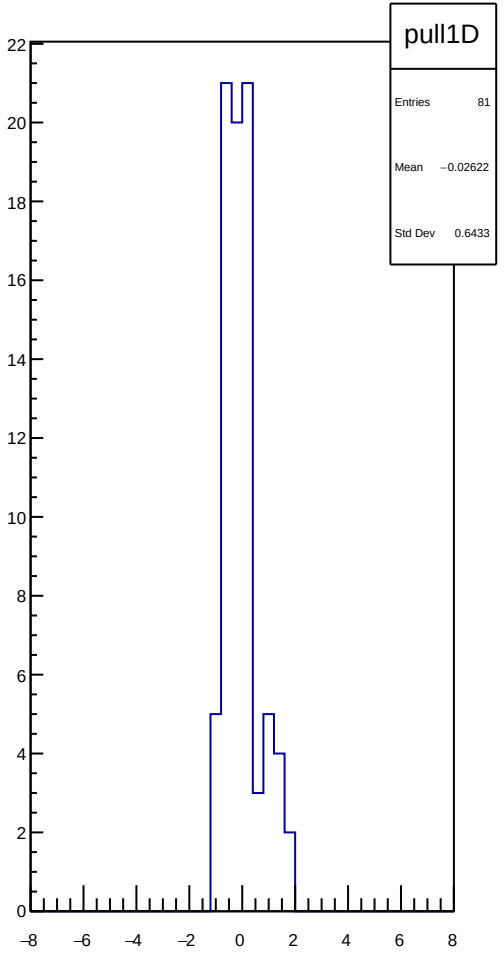

pull1D
Entries 81
Mean −0.02252
Std Dev 0.6072

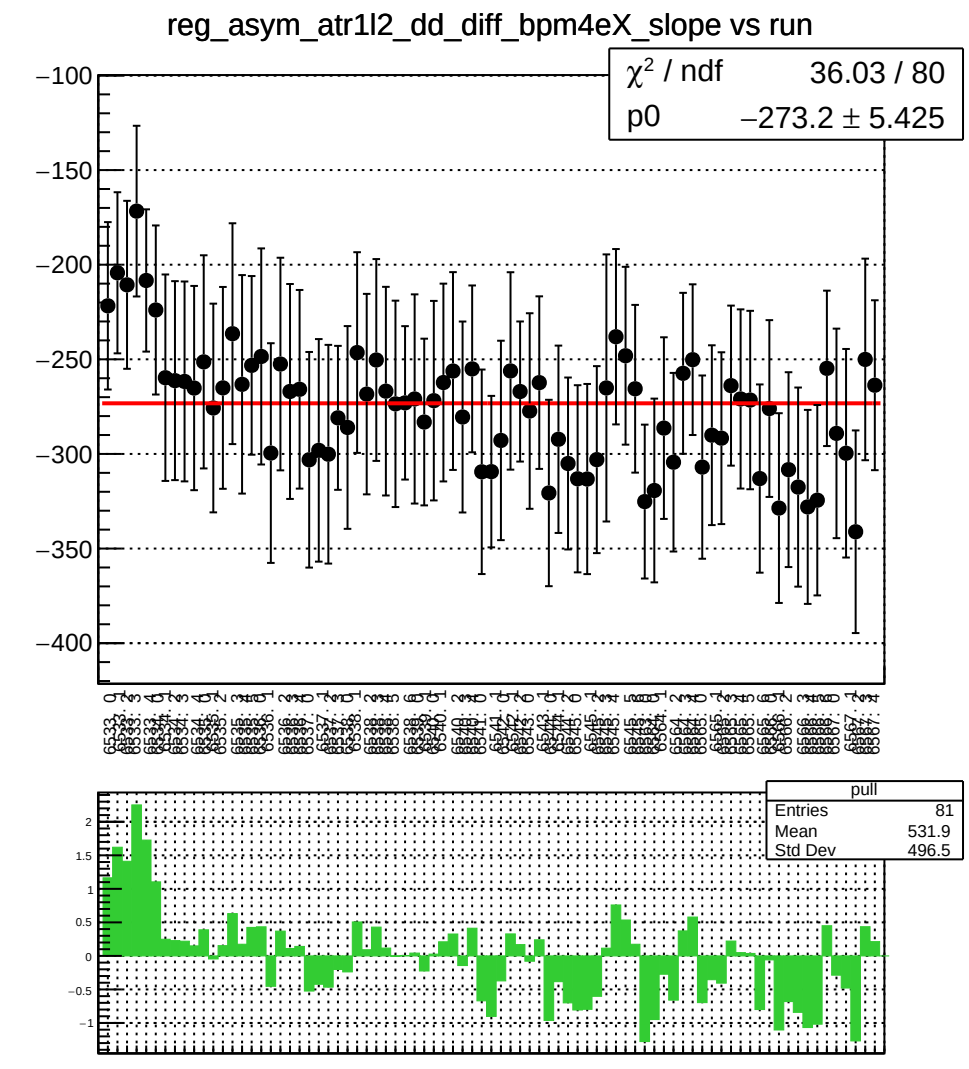

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 621.3 / 80
p0 −173.2 ± 0.2283
−170
−180
−190
−200
−210
−220
pull
Entries 81
Mean 410.7
Std Dev 365.7
0
−5
−10
−15
−20
pull1D
Entries 81
Mean 0.1581
Std Dev 1.653
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

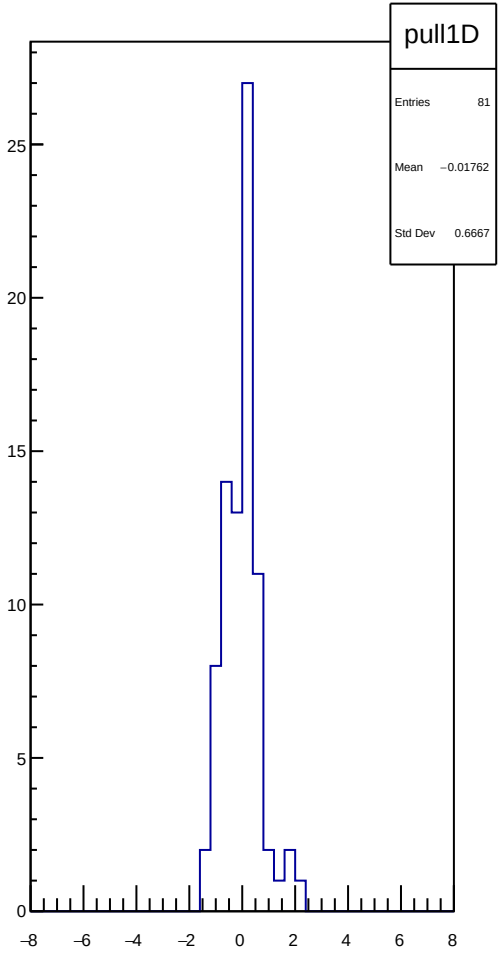

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 34.97 / 80
p0 253.2 ± 5.011
350
300
250
200
150
100
pull
Entries 81
Mean 388.6
Std Dev 354.4
1
0.5
0
−0.5
−1
−1.5
−2

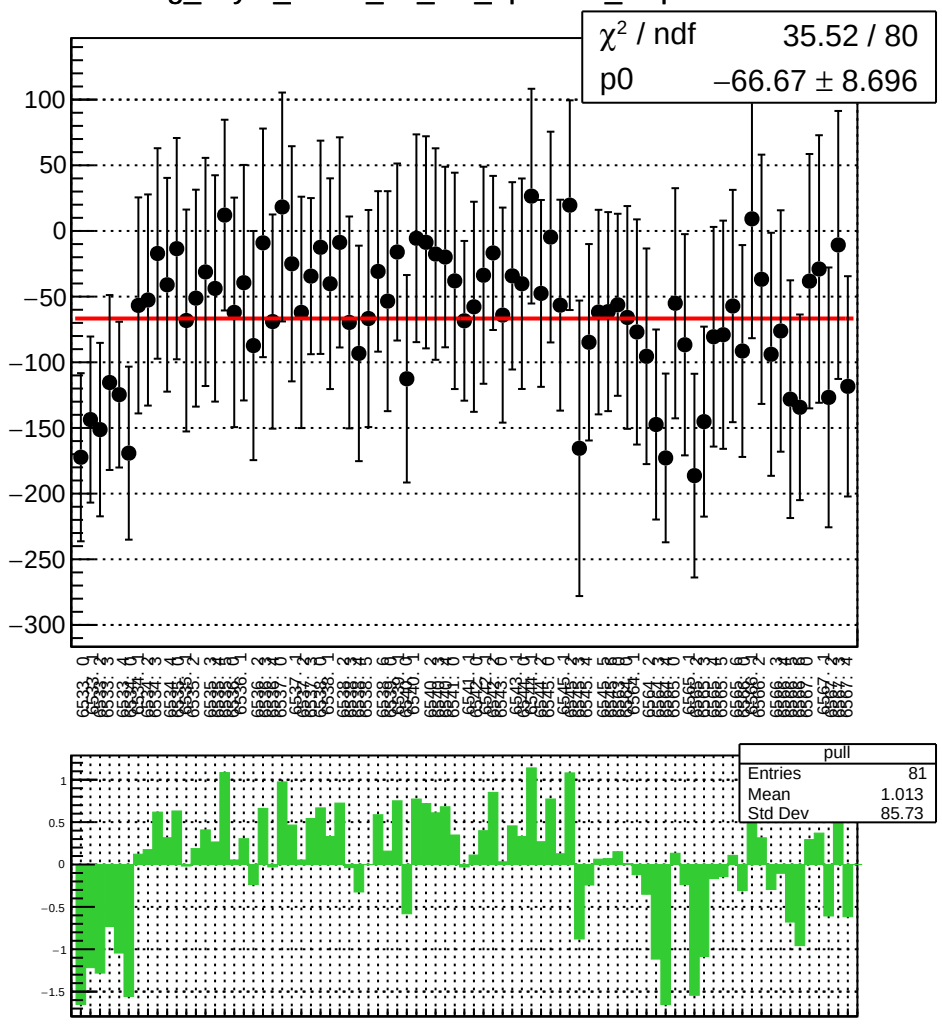

pull1D
Entries 81
Mean 0.02183
Std Dev 0.6567
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

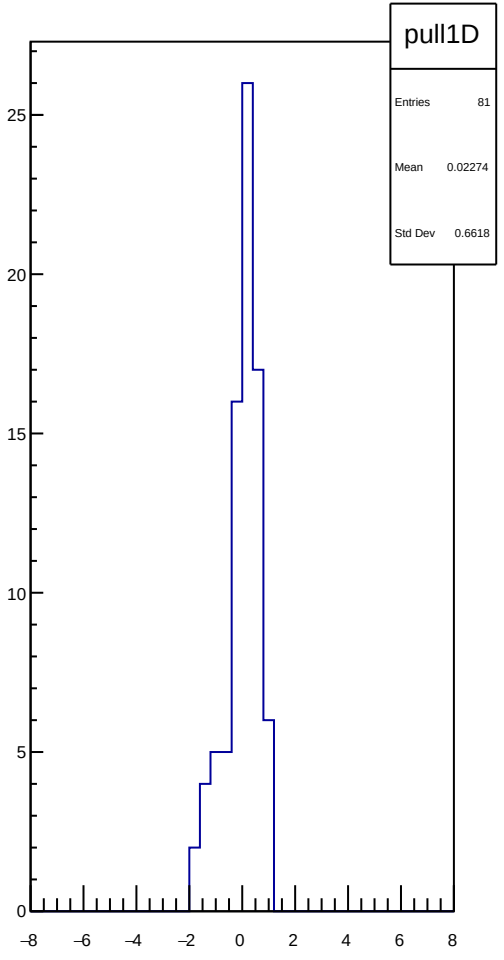

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.58 / 80
p0 −20.33 ± 9.033
pull
Entries 81
Mean 76.97
Std Dev 73.89

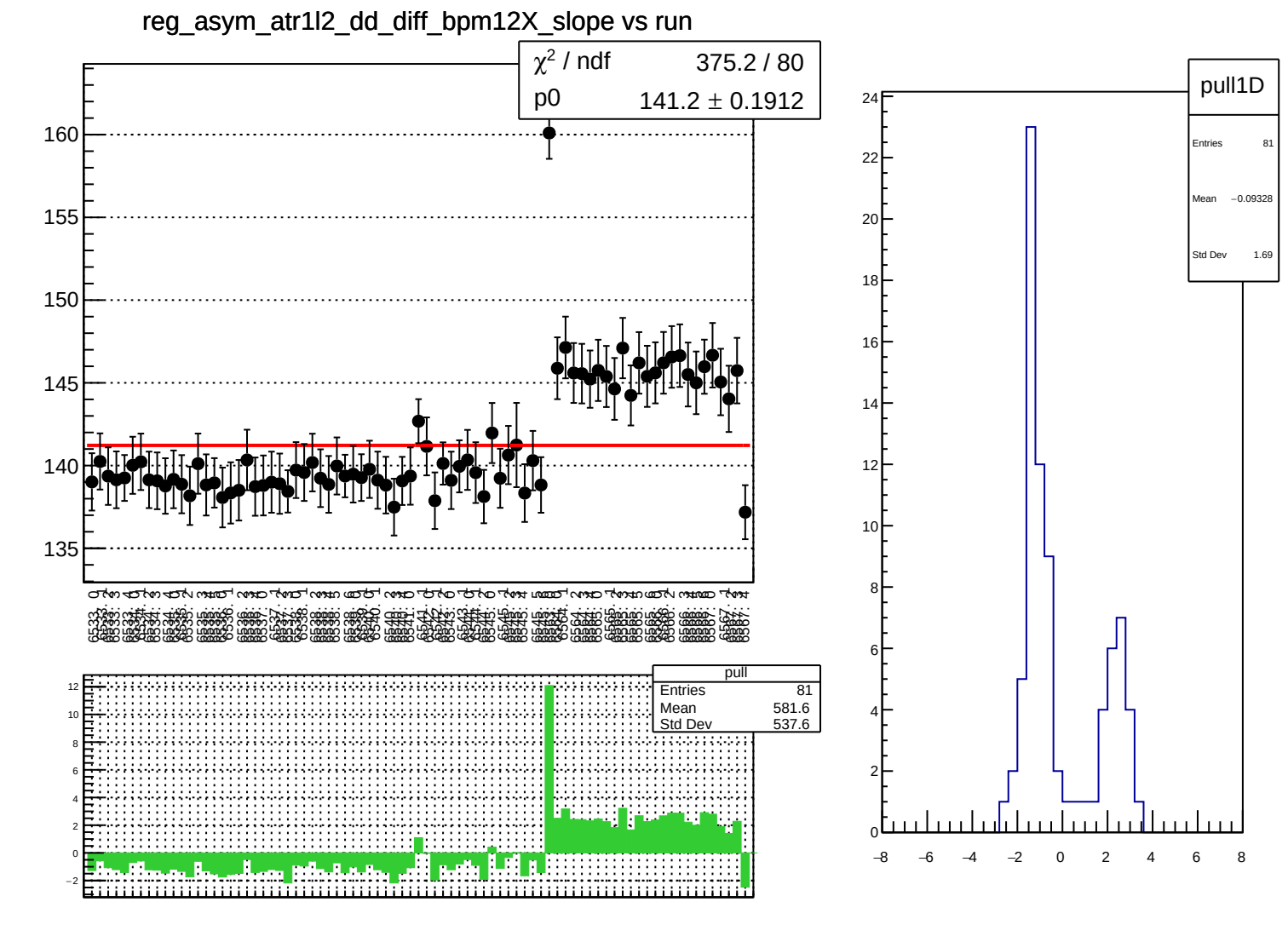

pull1D
Entries 81
Mean −0.02622
Std Dev 0.6433

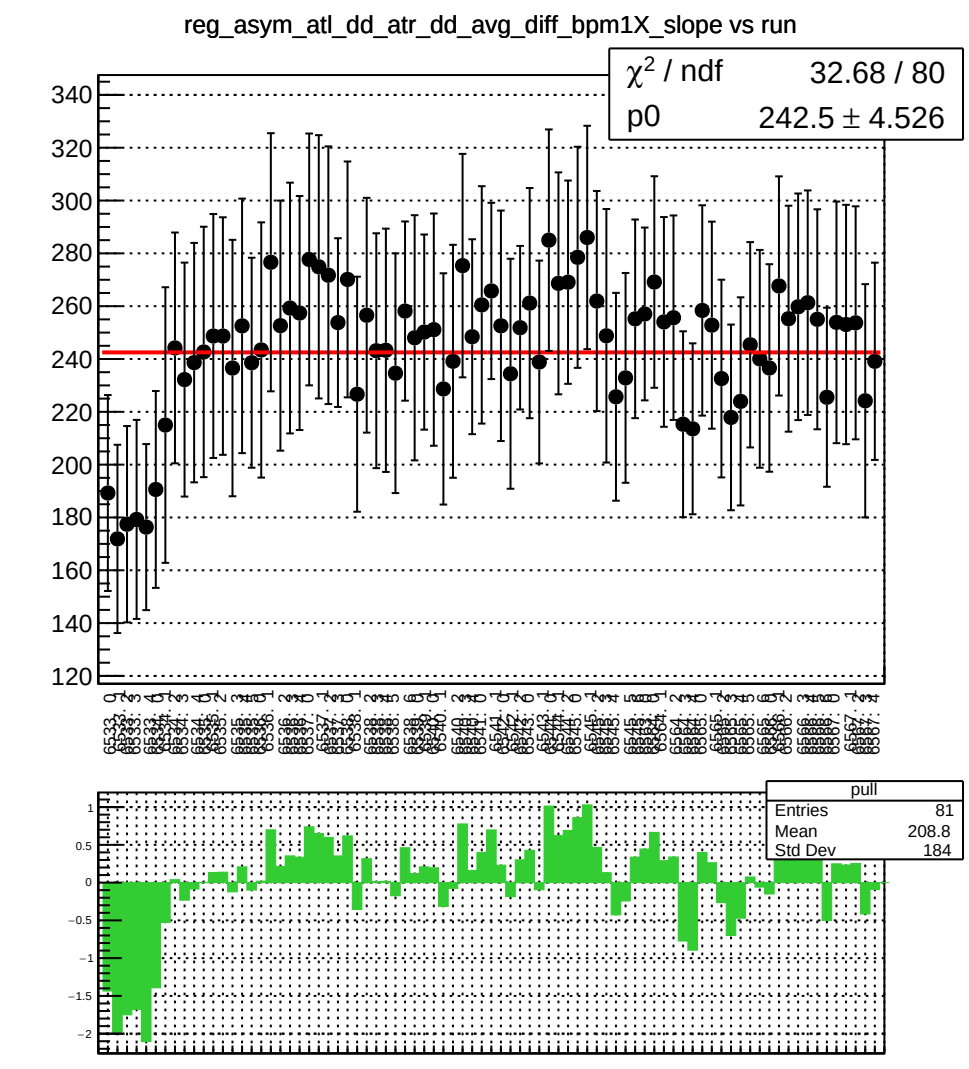

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.03 / 80
p0 −273.2 ± 5.425
pull
Entries 81
Mean 531.9
Std Dev 496.5

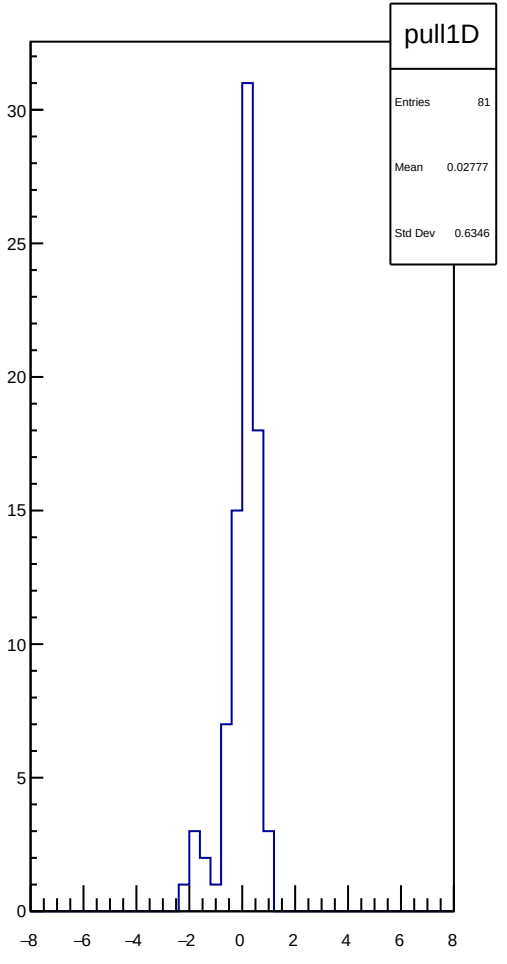

pull1D
Entries 81
Mean −0.01762
Std Dev 0.6667

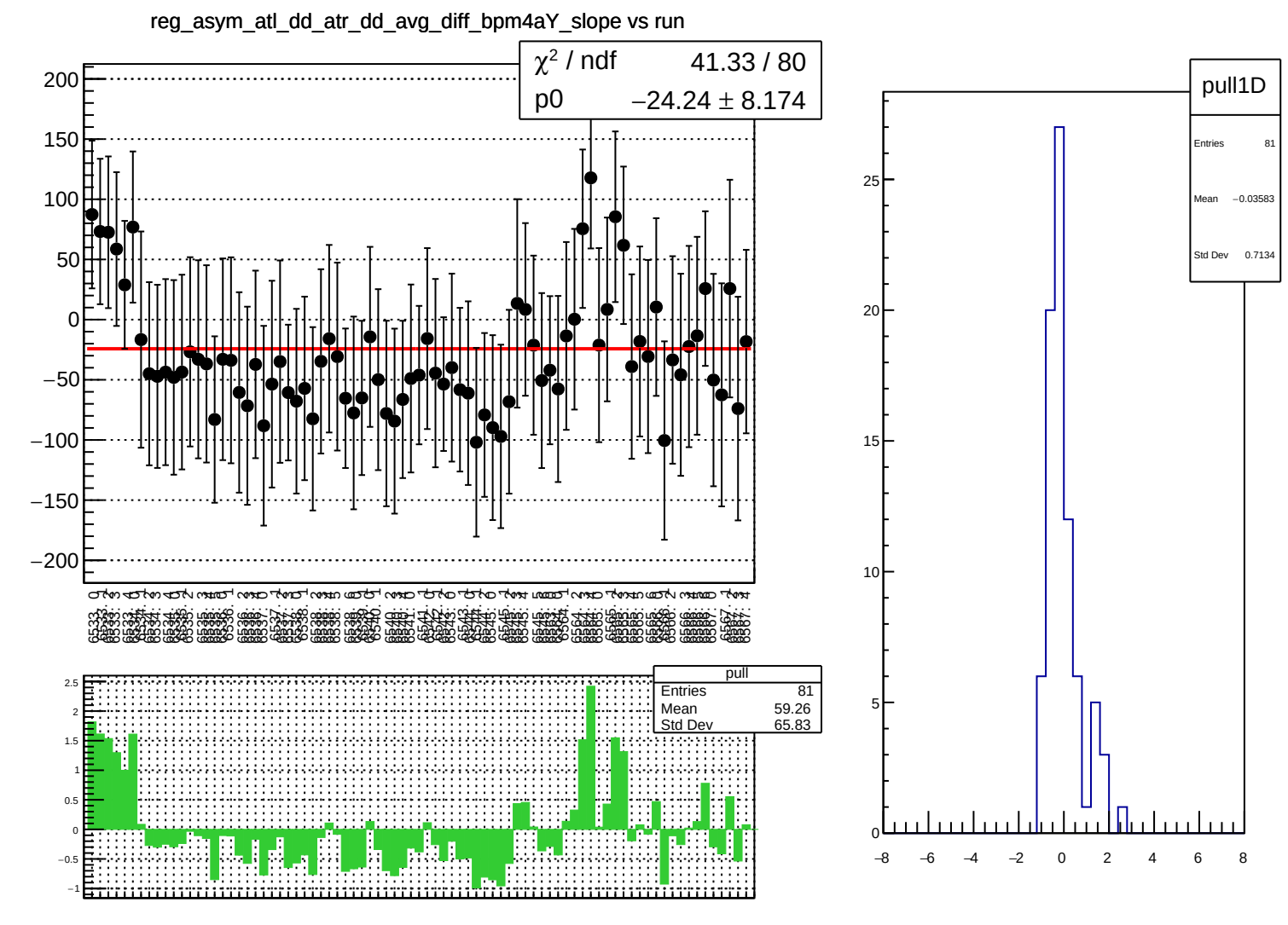

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.52 / 80
p0 −66.67 ± 8.696
pull
Entries 81
Mean 1.013
Std Dev 85.73

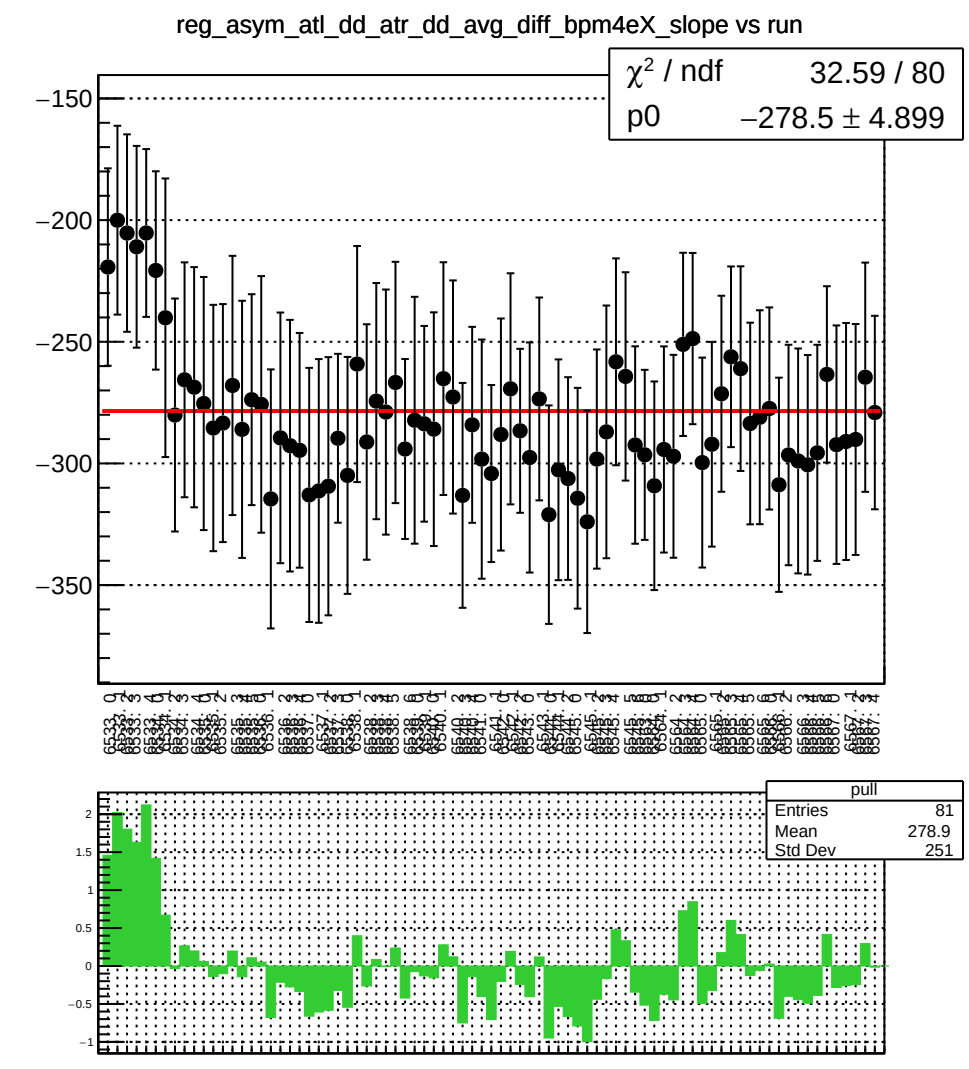

pull1D
Entries 81
Mean 0.02274
Std Dev 0.6618

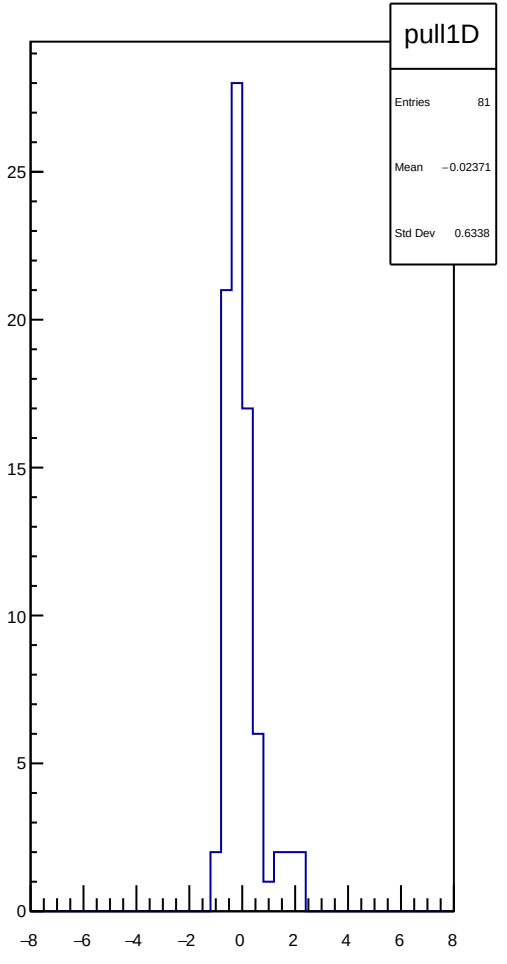

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 375.2 / 80
p0 141.2 ± 0.1912
pull
Entries 81
Mean 581.6
Std Dev 537.6
pull1D
Entries 81
Mean −0.09328
Std Dev 1.69

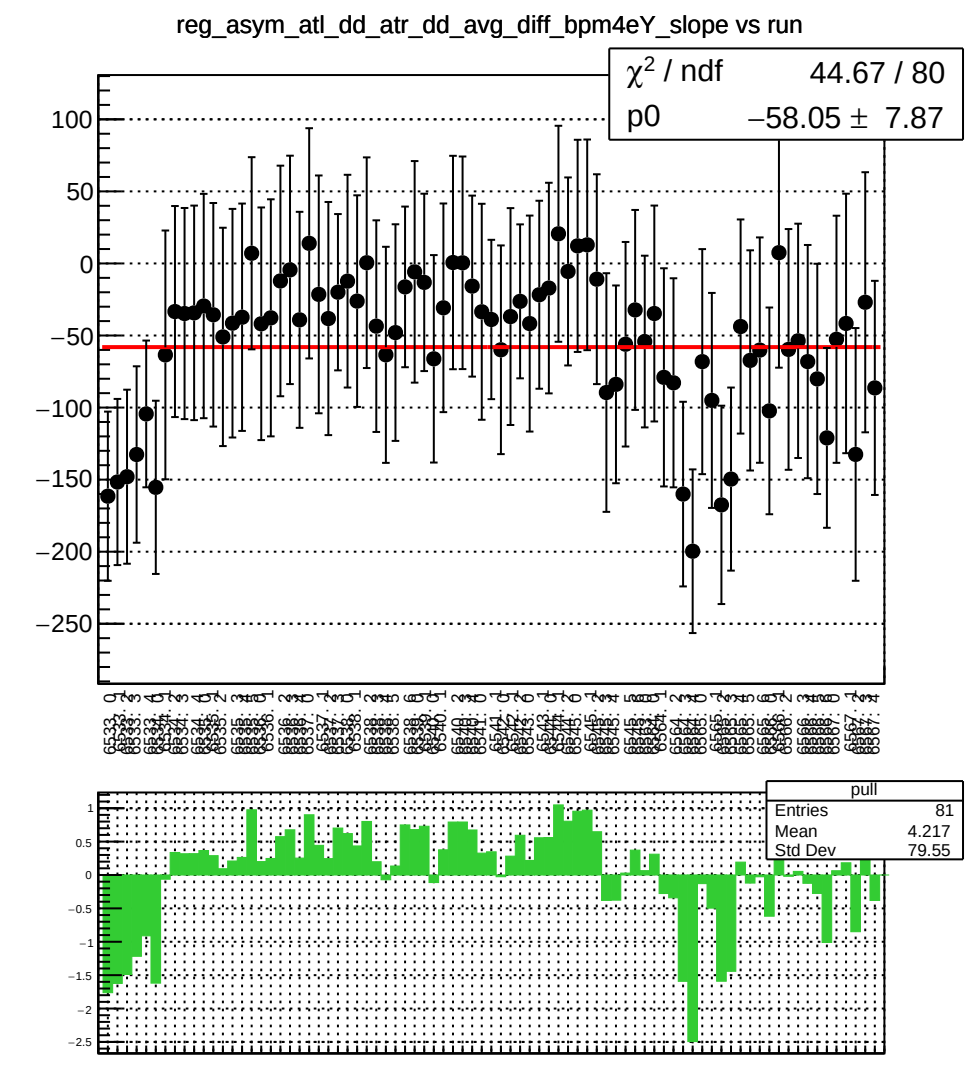

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 32.68 / 80
p0 242.5 ± 4.526
pull
Entries 81
Mean 208.8
Std Dev 184

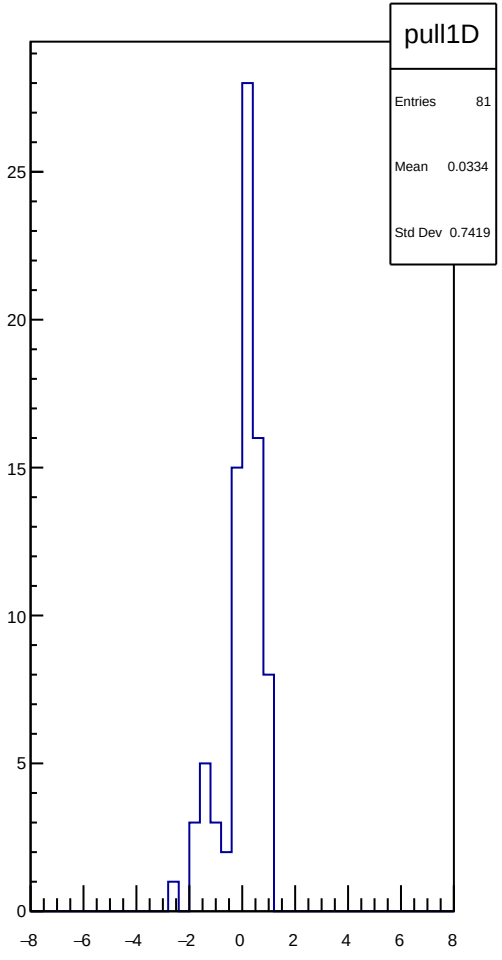

pull1D
Entries 81
Mean 0.02777
Std Dev 0.6346

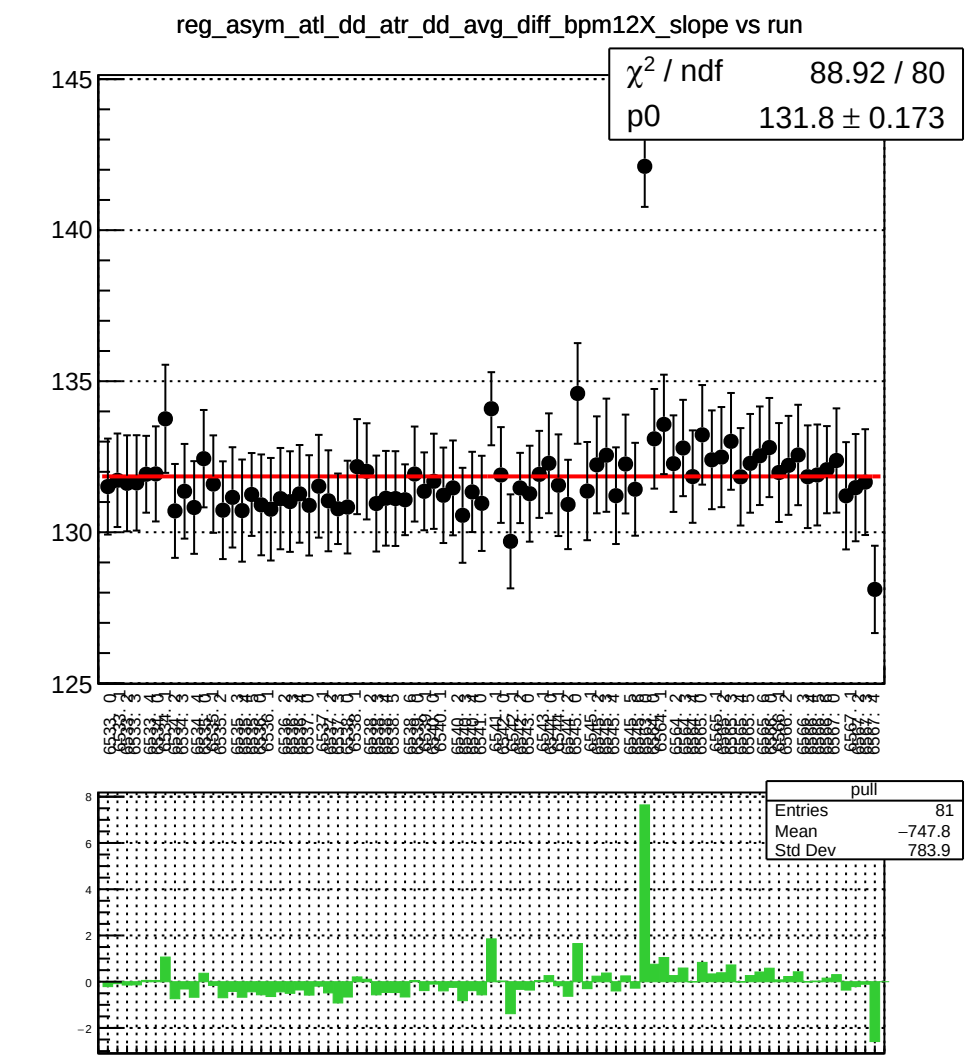

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.33 / 80
p0 −24.24 ± 8.174
pull
Entries 81
Mean 59.26
Std Dev 65.83
pull1D
Entries 81
Mean −0.03583
Std Dev 0.7134

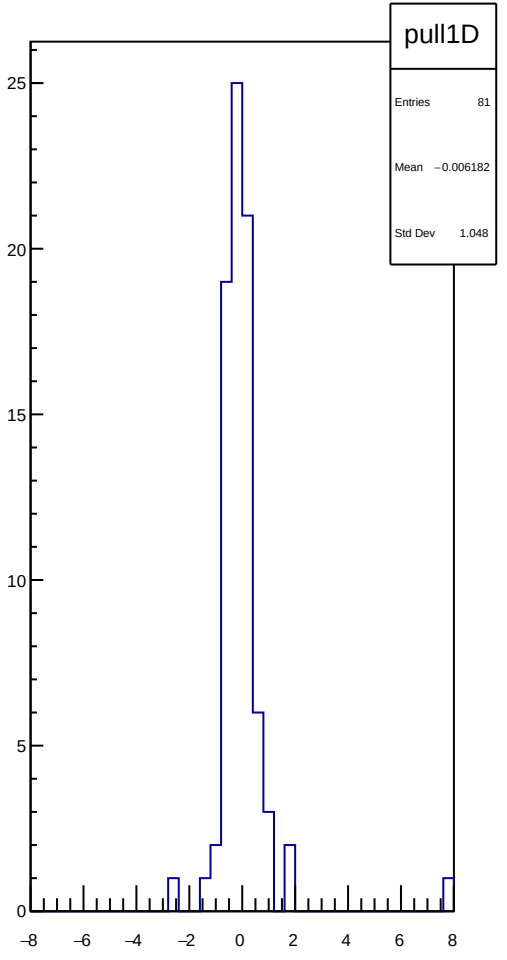

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.59 / 80
p0 −278.5 ± 4.899
−150
−200
−250
−300
−350
pull
Entries 81
Mean 278.9
Std Dev 251
2
1.5
1
0.5
0
−0.5
−1

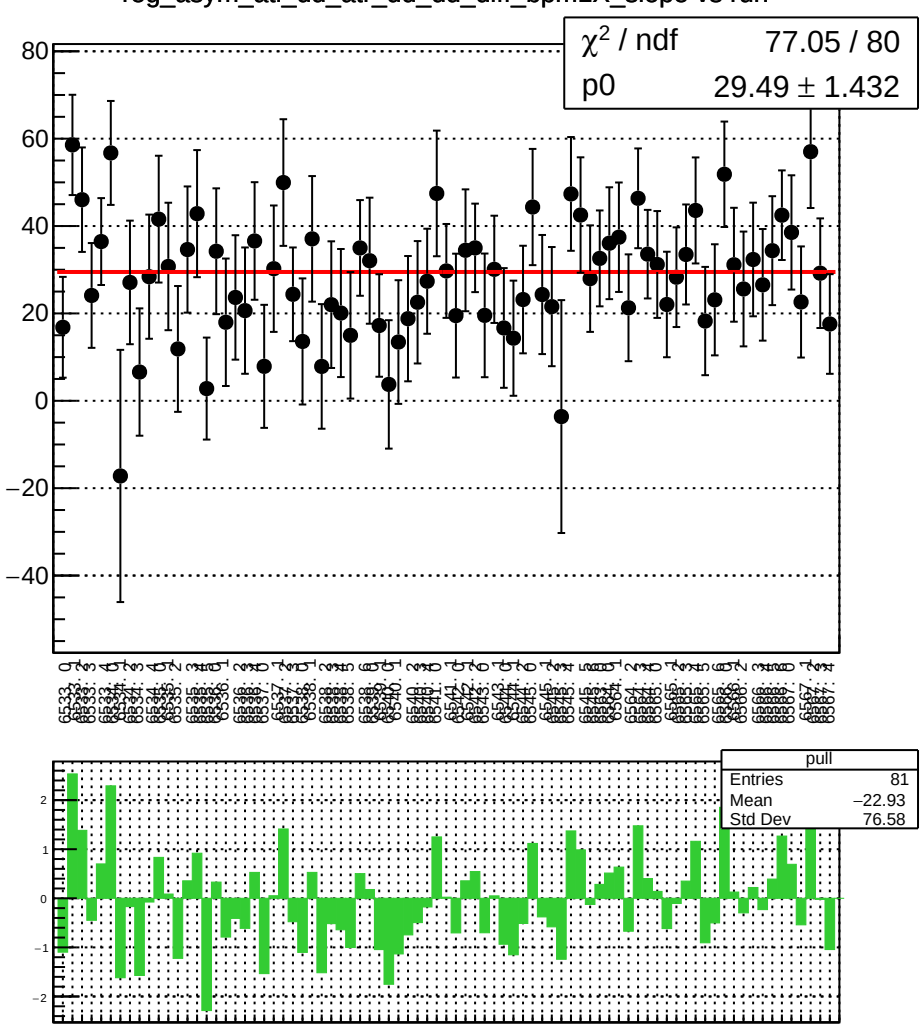

pull1D
Entries 81
Mean −0.02371
Std Dev 0.6338
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

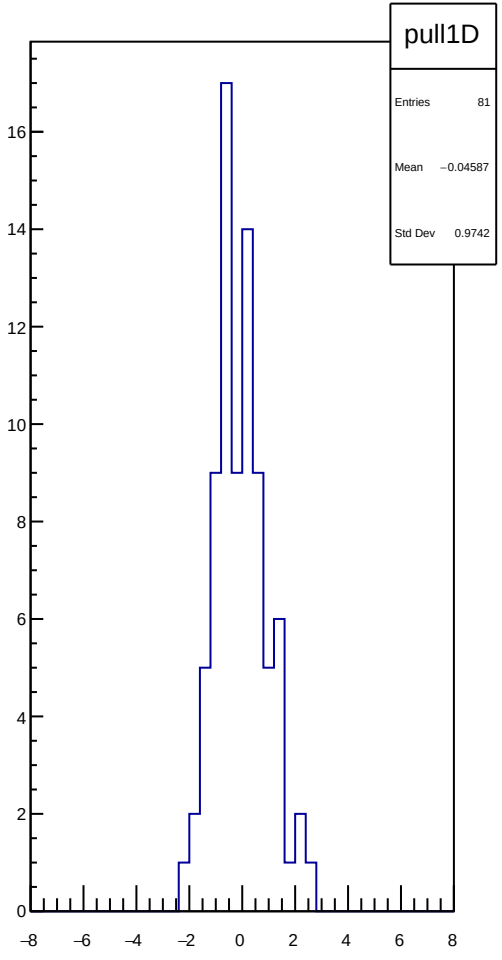

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.67 / 80
p0 −58.05 ± 7.87
pull
Entries 81
Mean 4.217
Std Dev 79.55

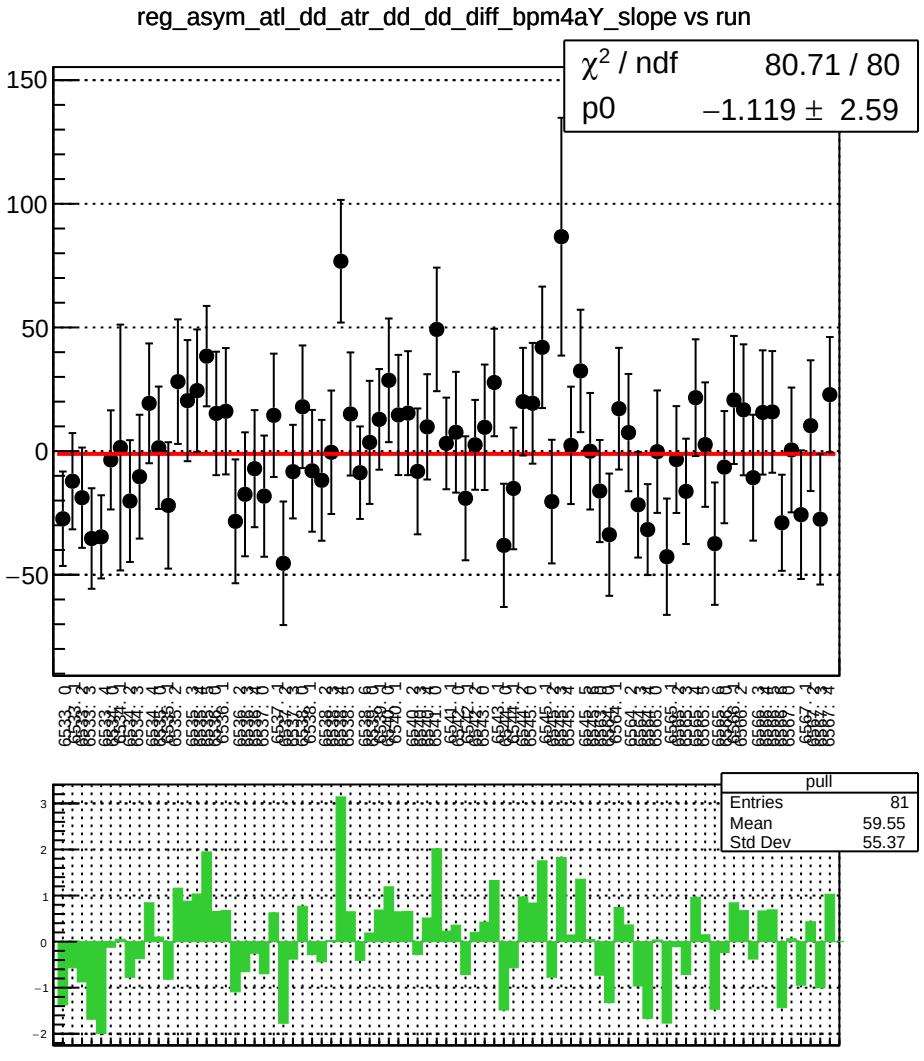

pull1D
Entries 81
Mean 0.0334
Std Dev 0.7419

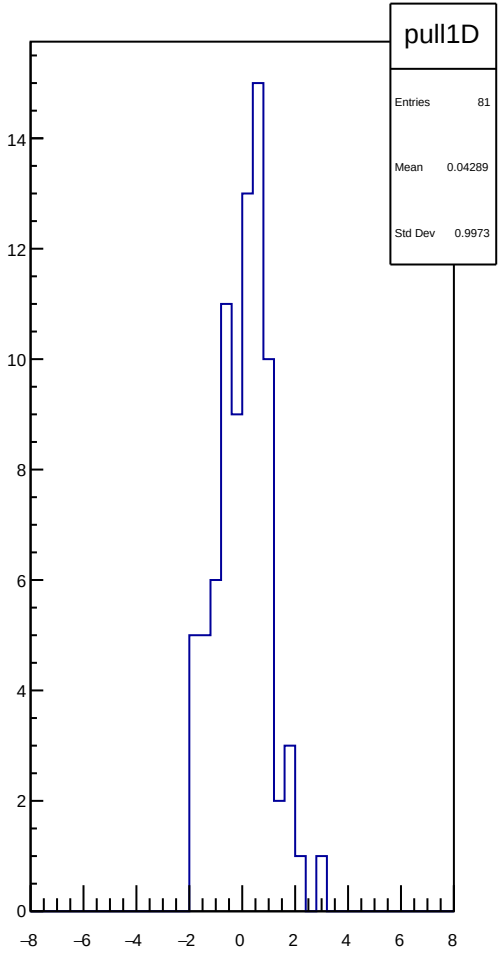

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 88.92 / 80
p0 131.8 ± 0.173
145
140
135
130
125
pull
Entries 81
Mean −747.8
Std Dev 783.9
8
6
4
2
0
−2

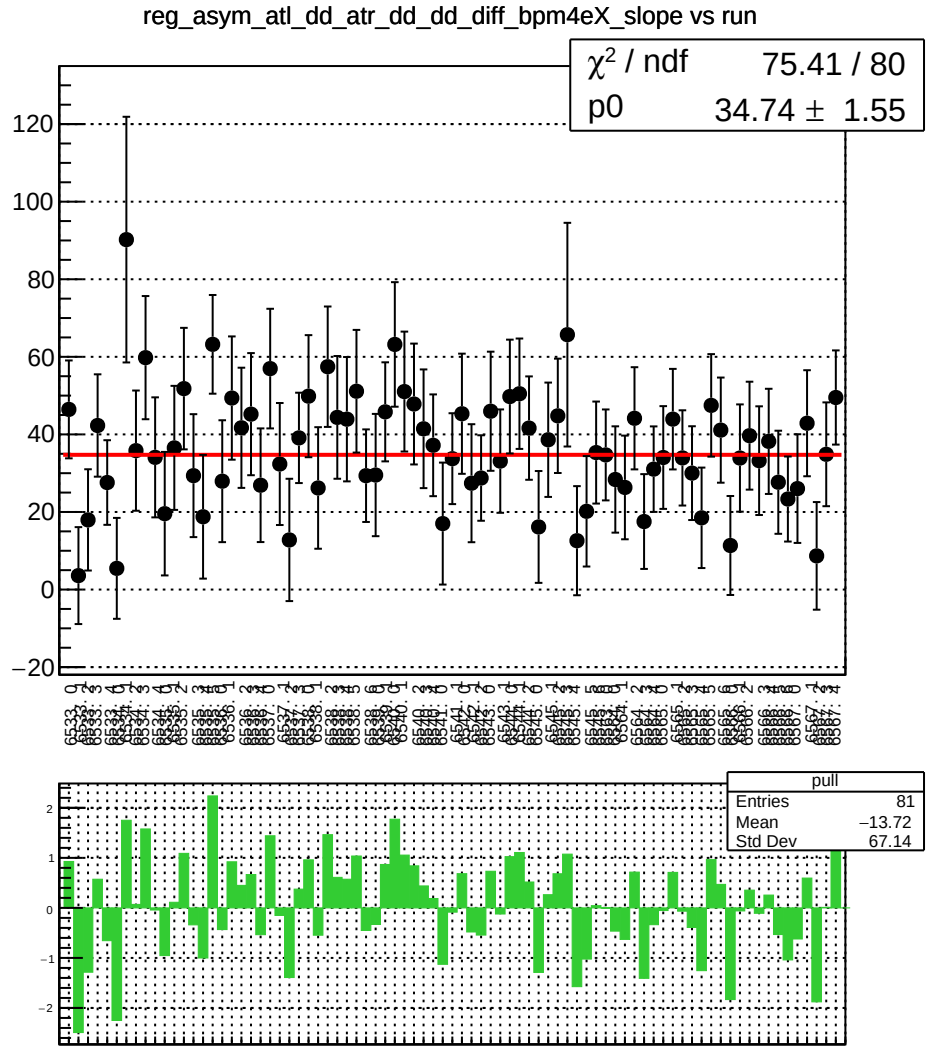

pull1D
Entries 81
Mean −0.006182
Std Dev 1.048
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

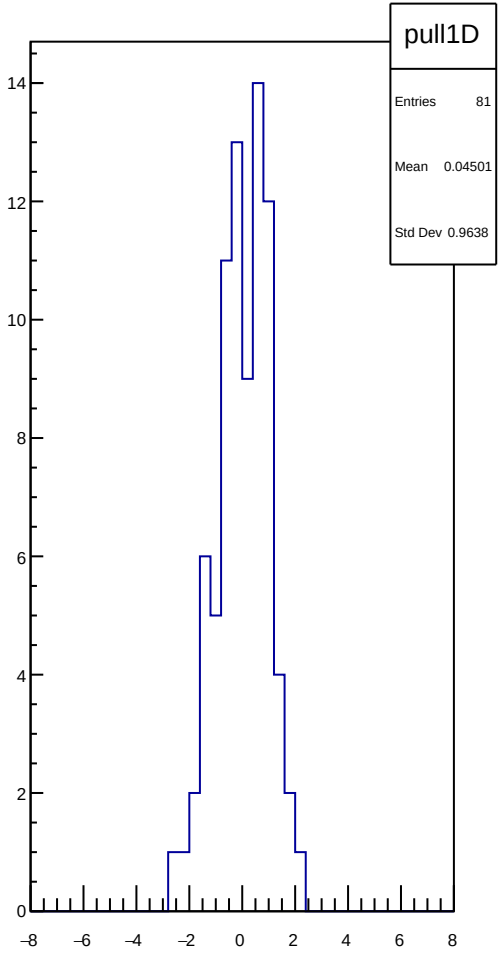

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 77.05 / 80
p0 29.49 ± 1.432
pull
Entries 81
Mean −22.93
Std Dev 76.58

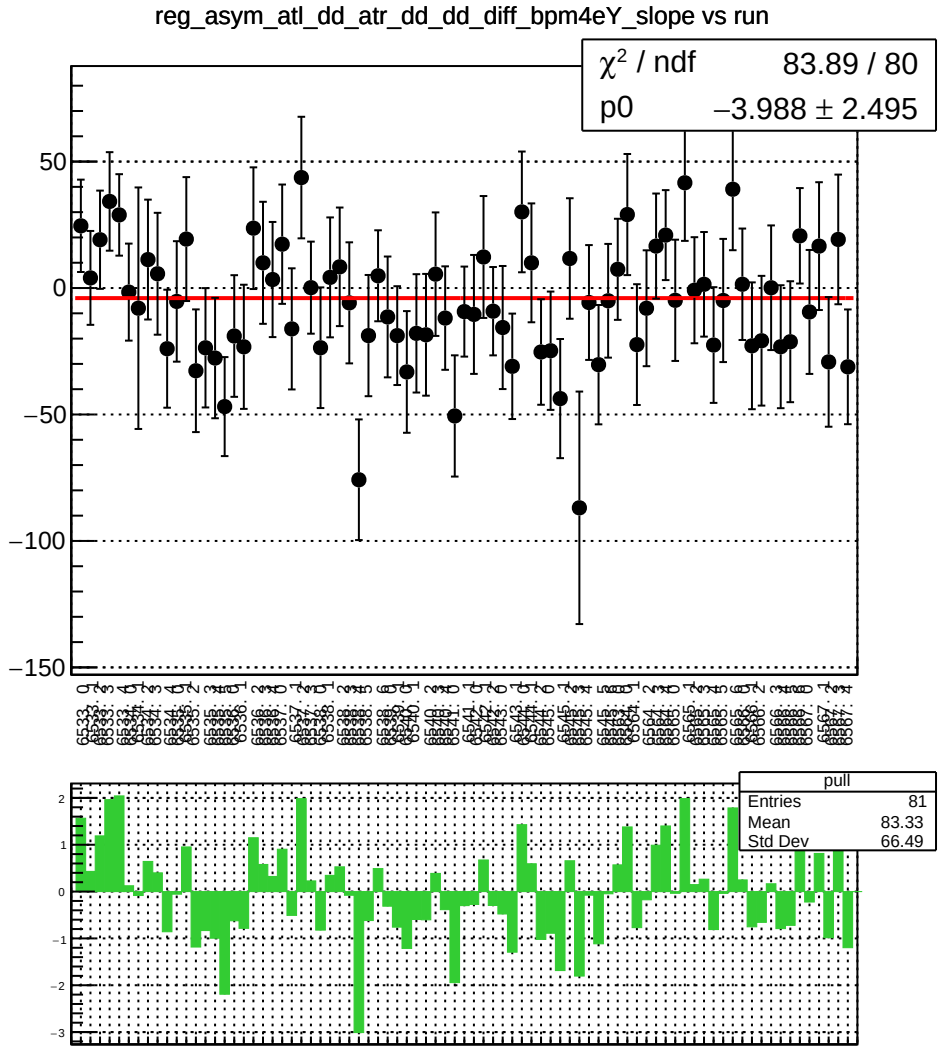

pull1D
Entries 81
Mean −0.04587
Std Dev 0.9742

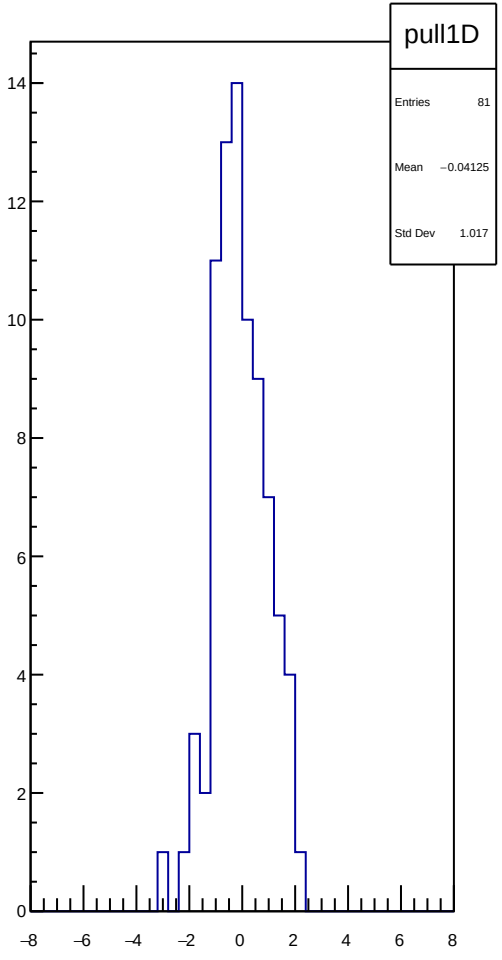

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.71 / 80
p0 −1.119 ± 2.59
150
100
50
0
−50
pull
Entries 81
Mean 59.55
Std Dev 55.37
3
2
1
0
−1
−2

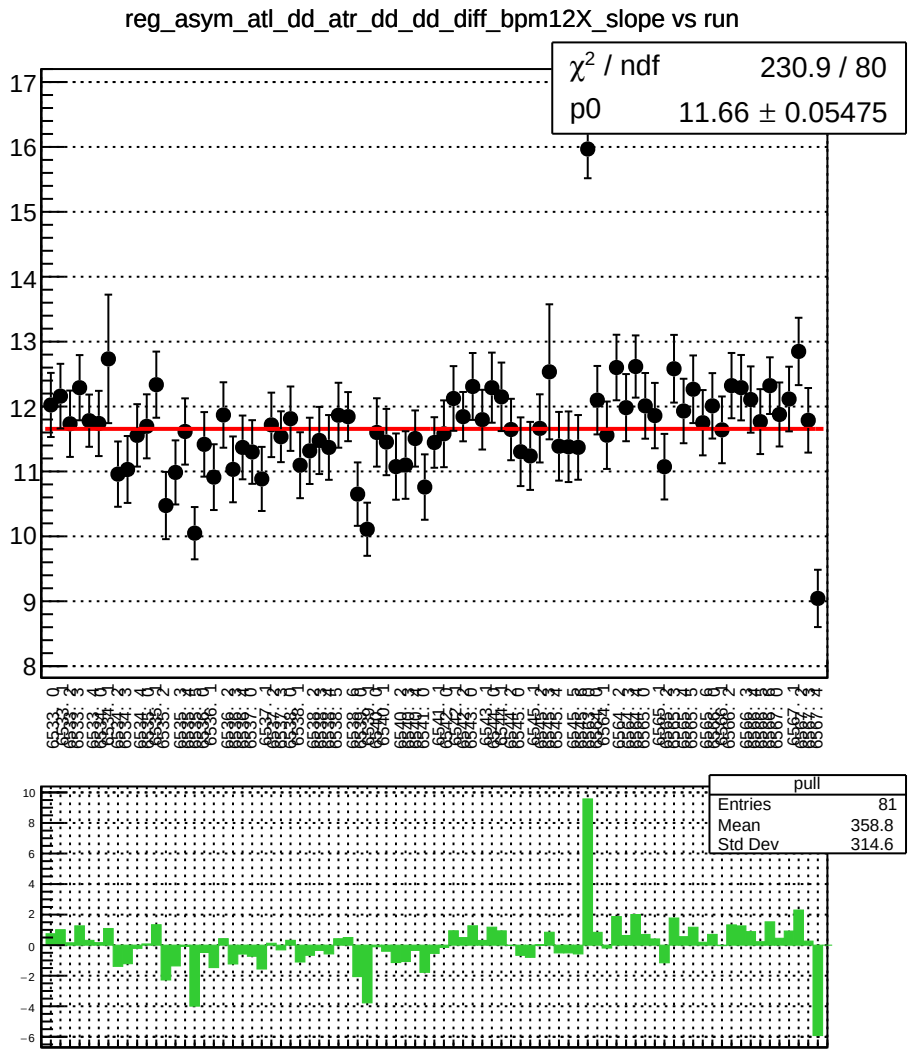

pull1D
Entries 81
Mean 0.04289
Std Dev 0.9973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

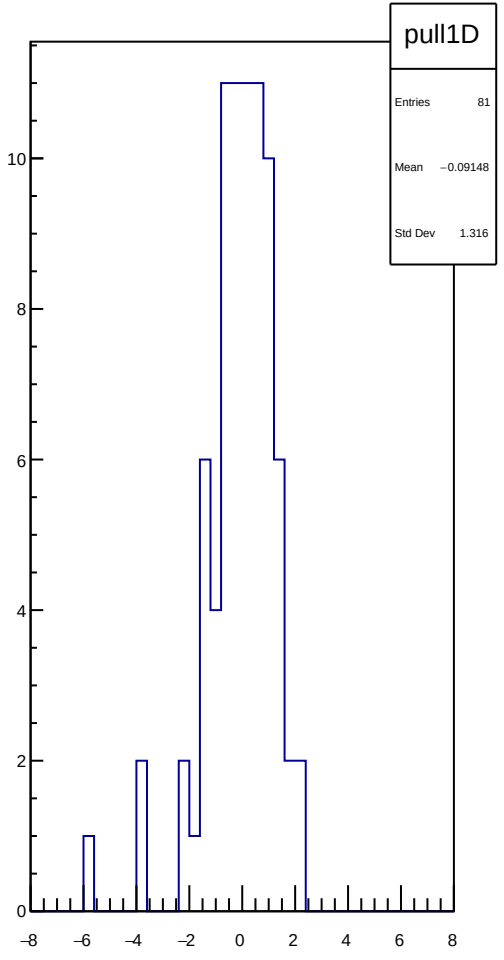

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.41 / 80
p0 34.74 ± 1.55
pull
Entries 81
Mean −13.72
Std Dev 67.14

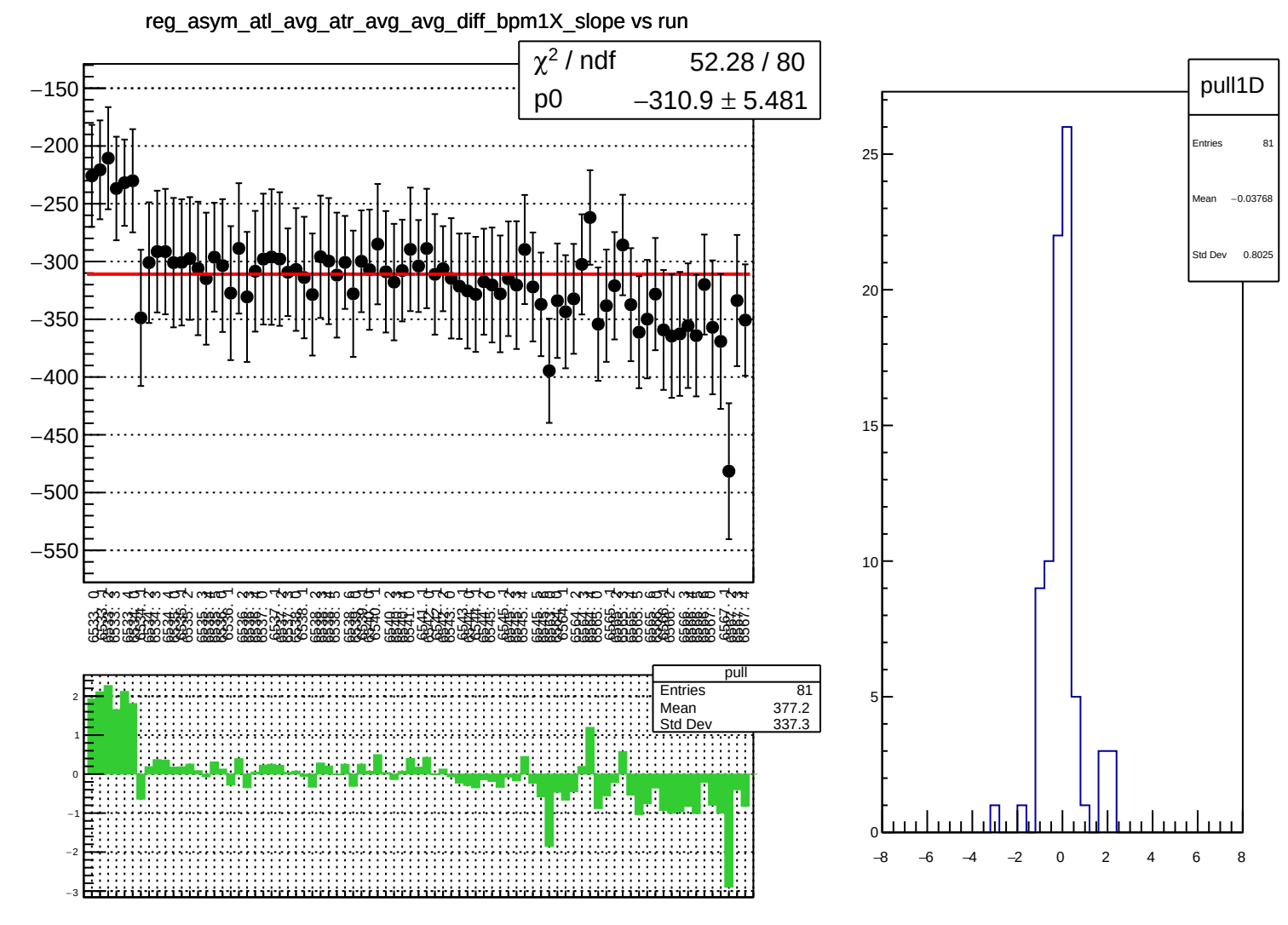

pull1D
Entries 81
Mean 0.04501
Std Dev 0.9638

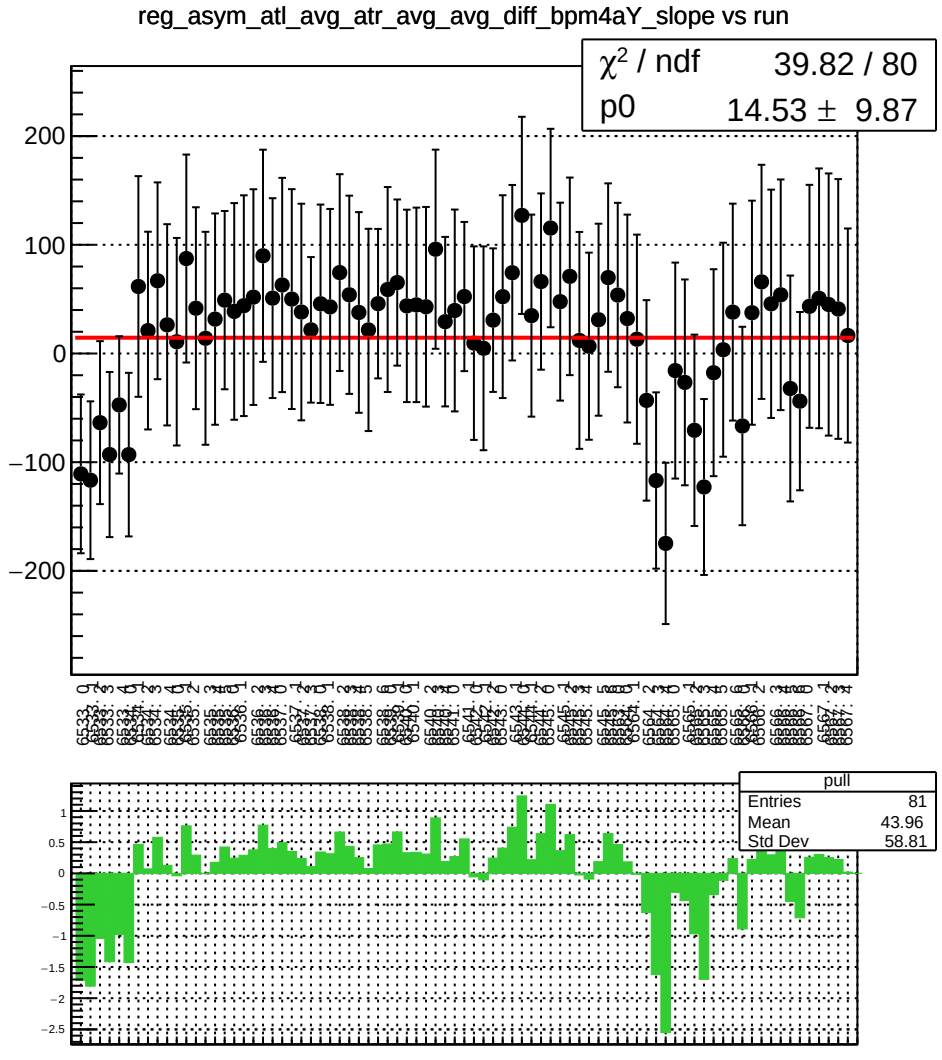

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.89 / 80
p0 −3.988 ± 2.495
50
0
−50
−100
−150
pull
Entries 81
Mean 83.33
Std Dev 66.49
2
1
0
−1
−2
−3

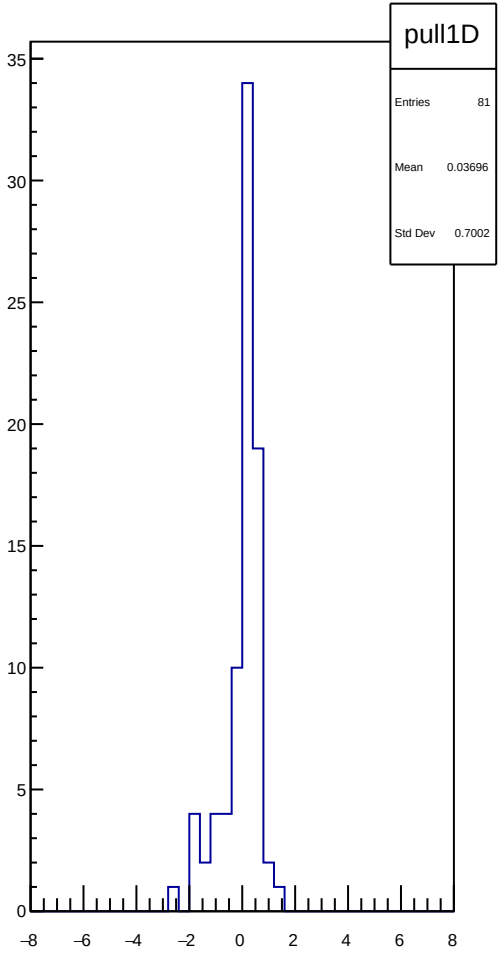

pull1D
Entries 81
Mean −0.04125
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

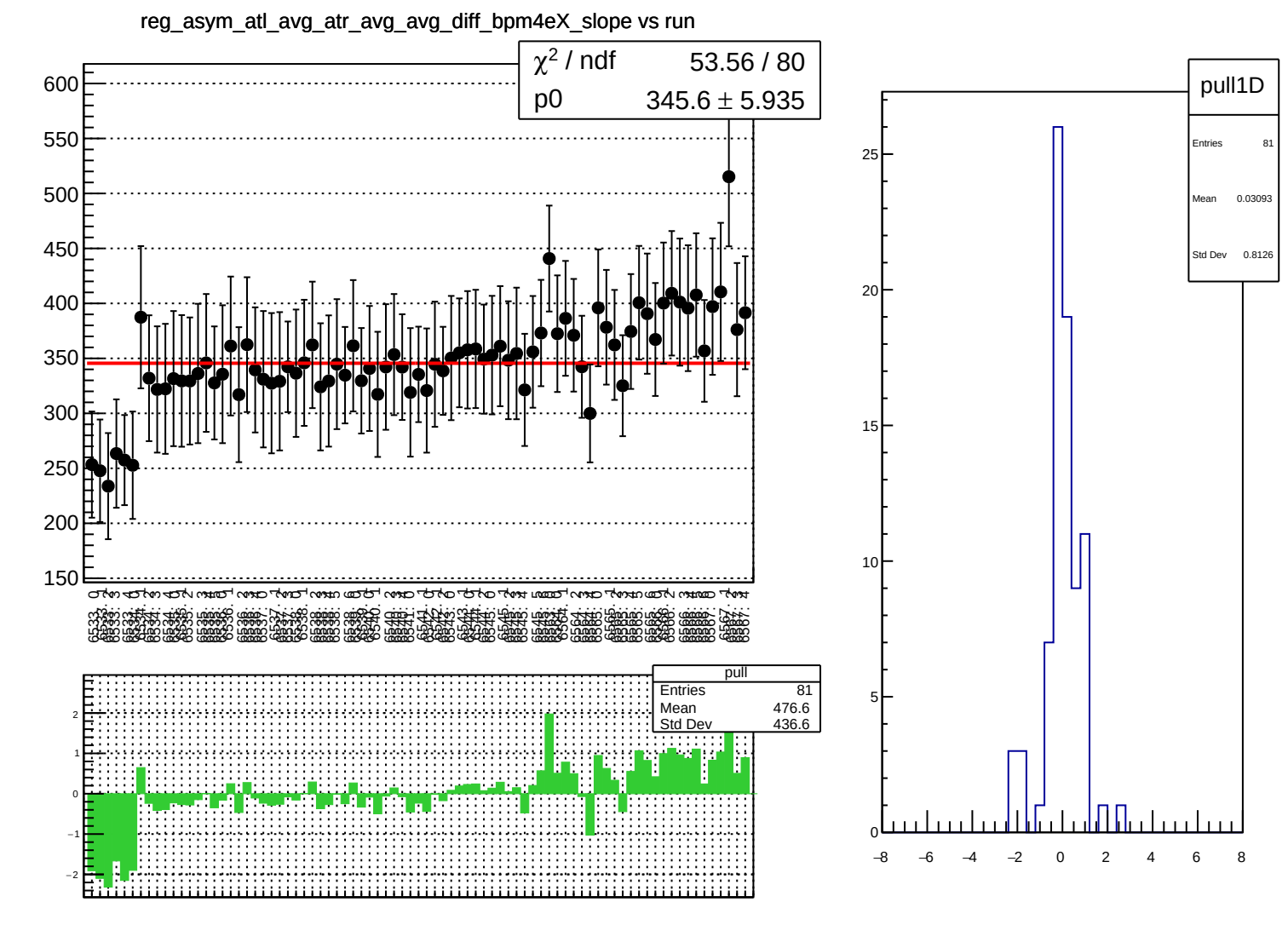

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 230.9 / 80
p0 11.66 ± 0.05475
pull
Entries 81
Mean 358.8
Std Dev 314.6

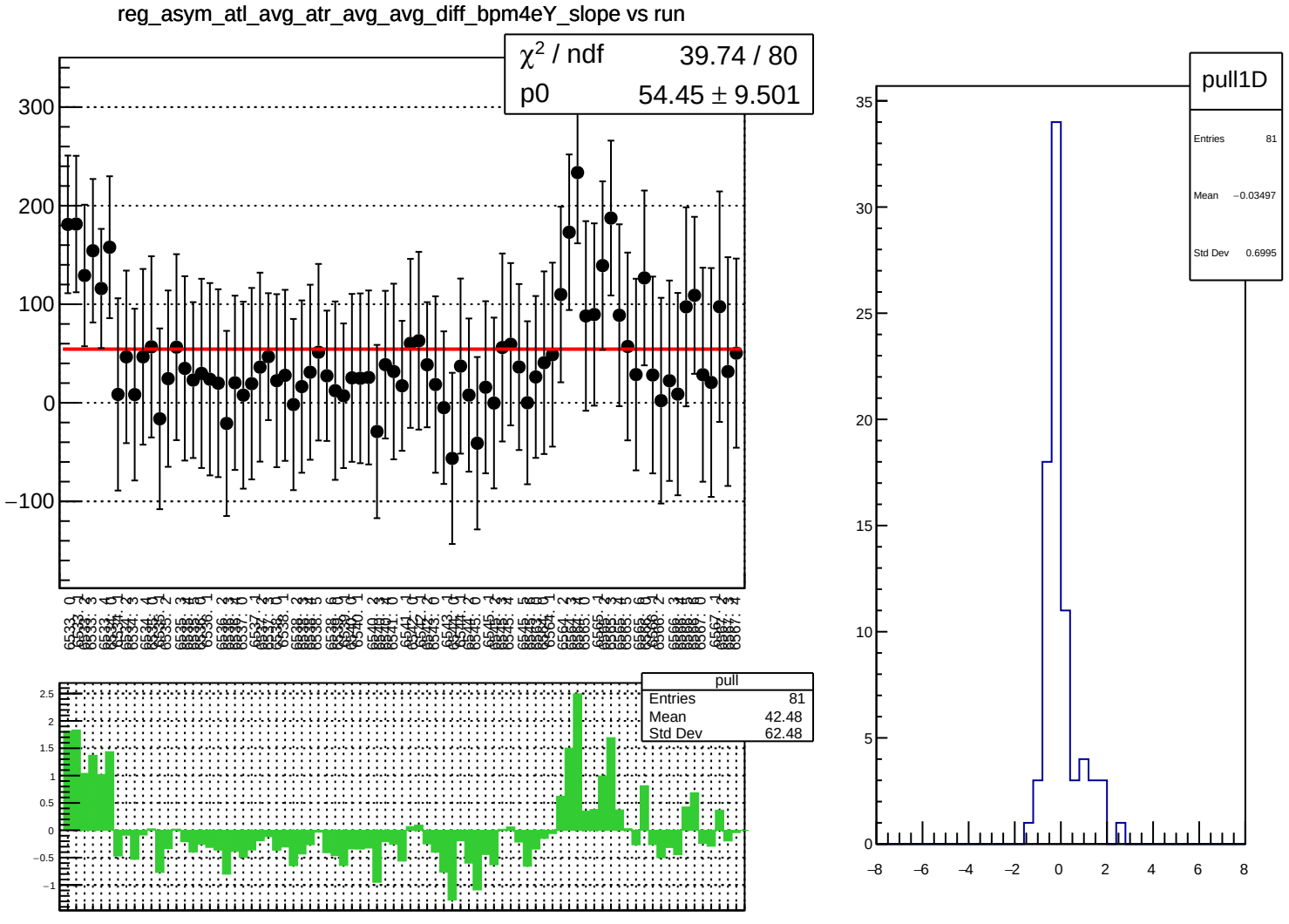

pull1D
Entries 81
Mean −0.09148
Std Dev 1.316

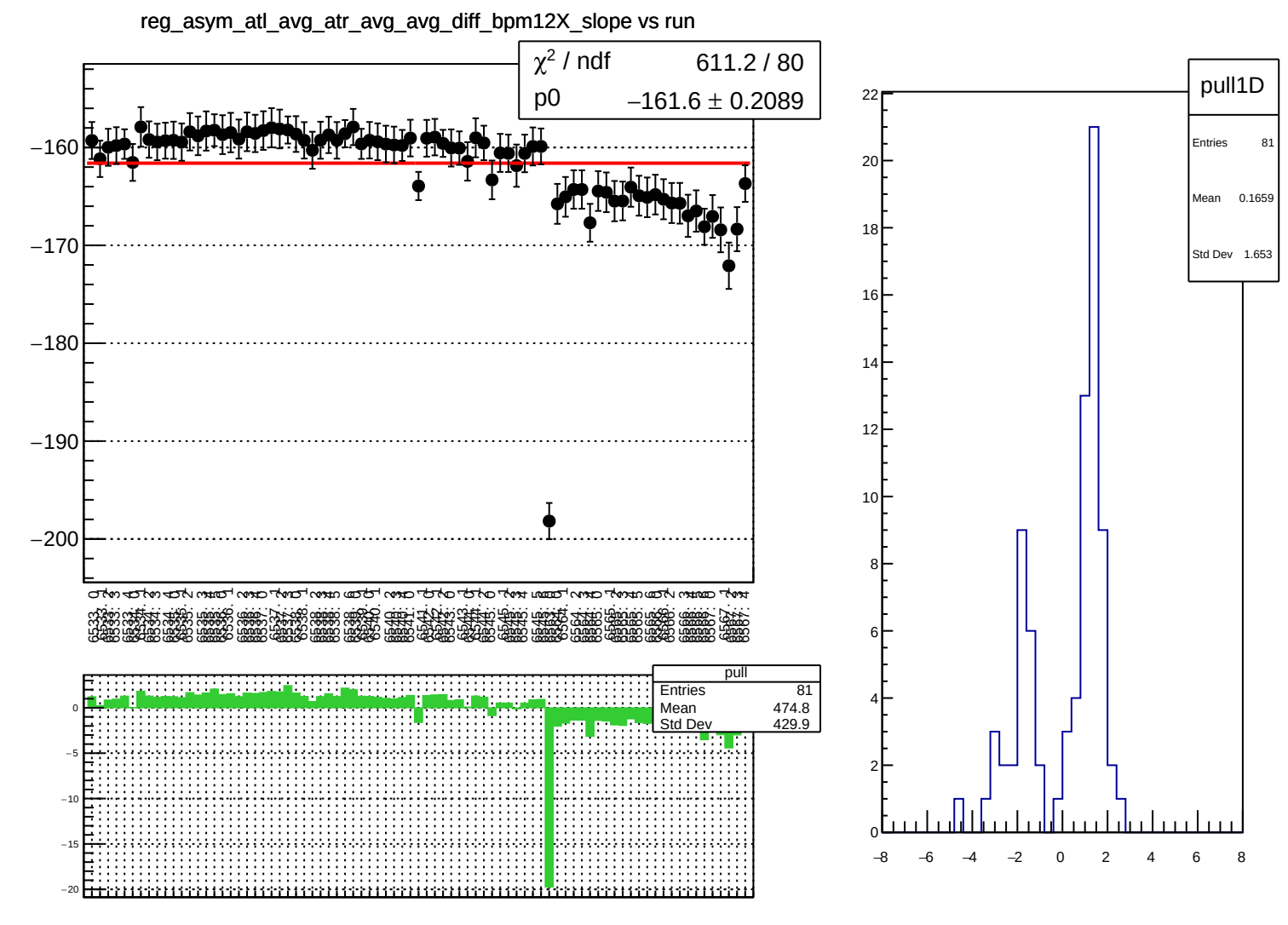

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 52.28 / 80
p0 −310.9 ± 5.481
pull
Entries 81
Mean 377.2
Std Dev 337.3
pull1D
Entries 81
Mean −0.03768
Std Dev 0.8025

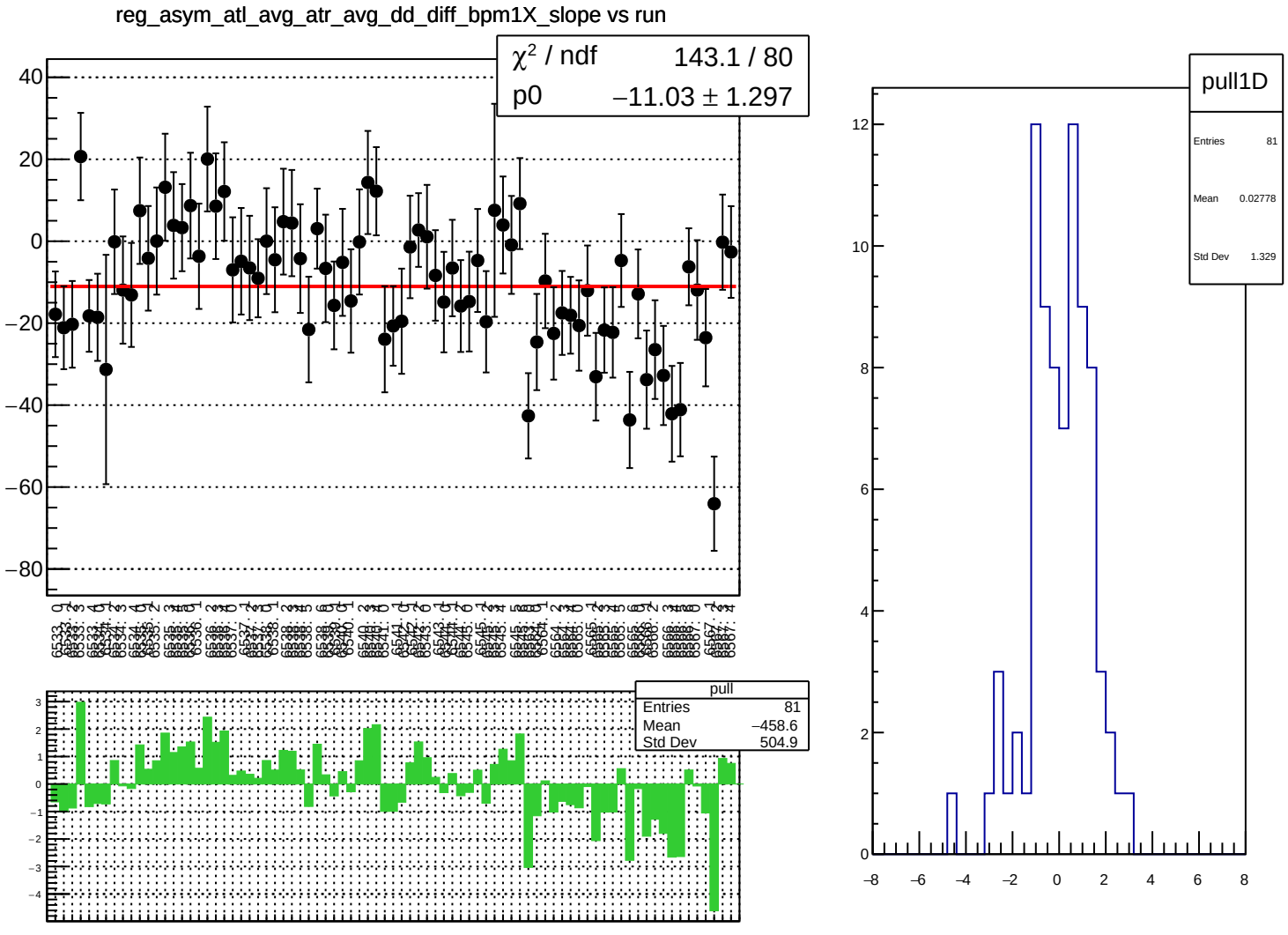

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.82 / 80
p0 14.53 ± 9.87
pull
Entries 81
Mean 43.96
Std Dev 58.81

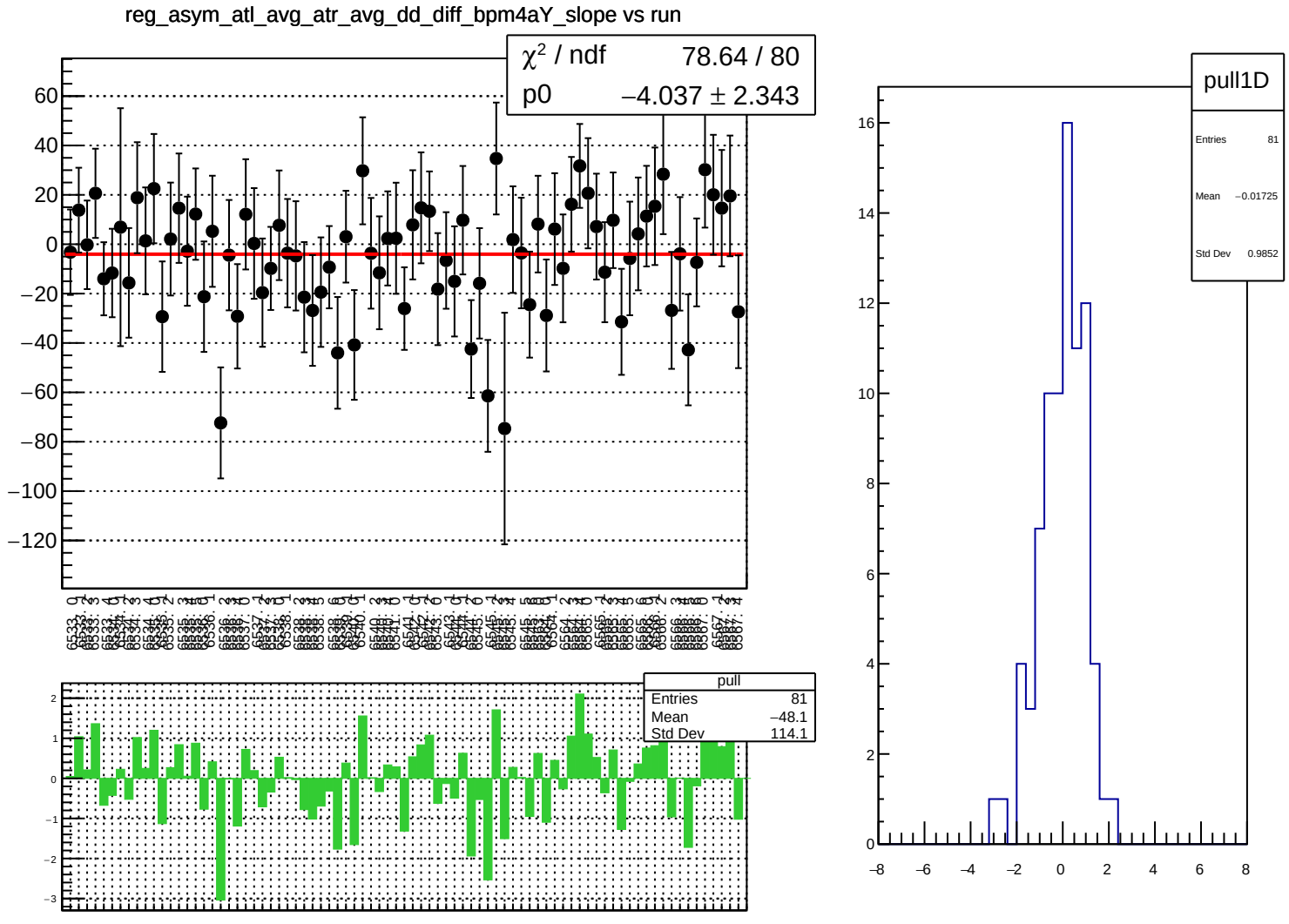

pull1D
Entries 81
Mean 0.03696
Std Dev 0.7002

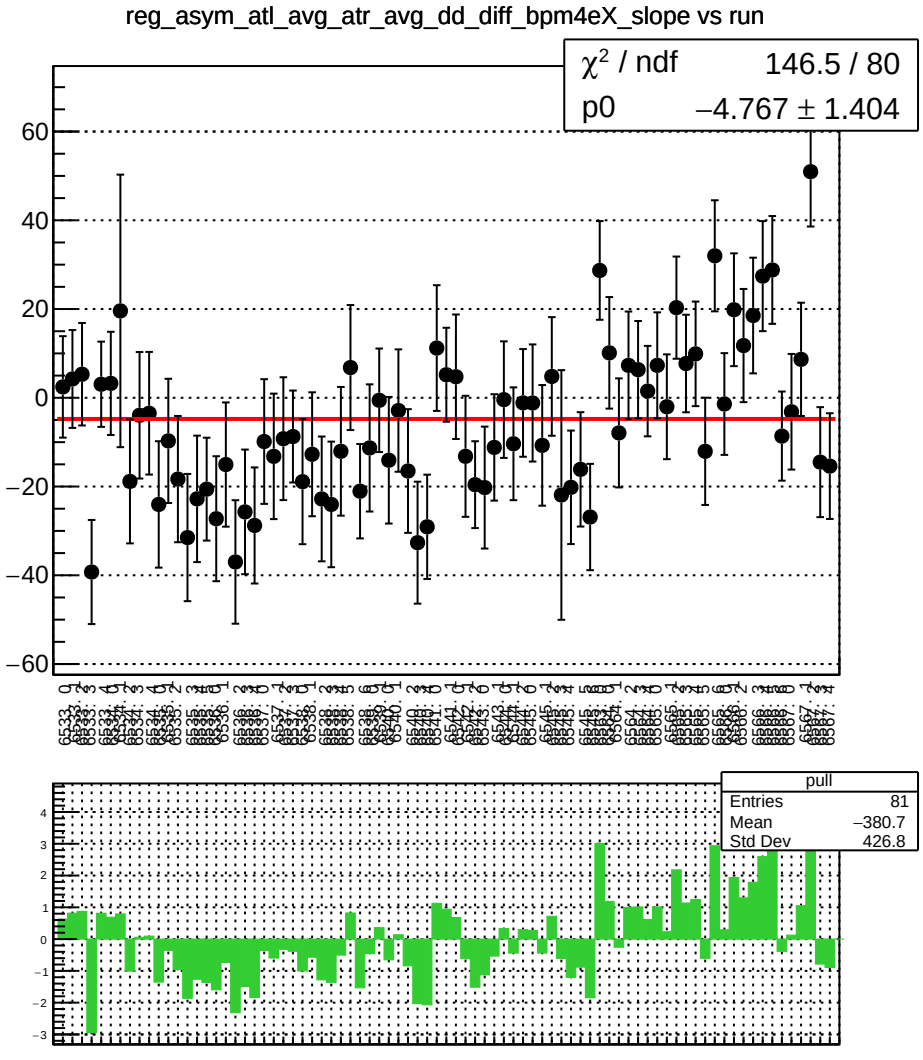

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.56 / 80
p0 345.6 ± 5.935
pull
Entries 81
Mean 476.6
Std Dev 436.6
pull1D
Entries 81
Mean 0.03093
Std Dev 0.8126

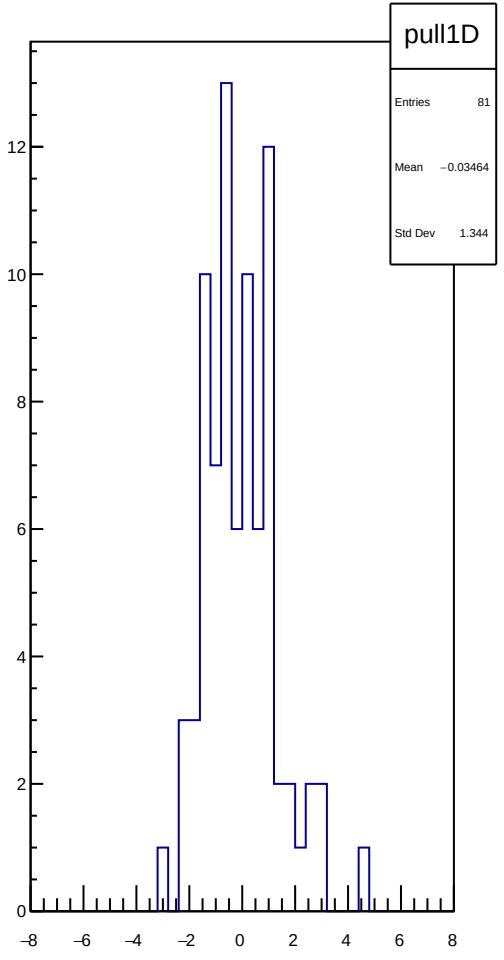

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.74 / 80
p0 54.45 ± 9.501
300
200
100
0
−100
pull
Entries 81
Mean 42.48
Std Dev 62.48
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean −0.03497
Std Dev 0.6995
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

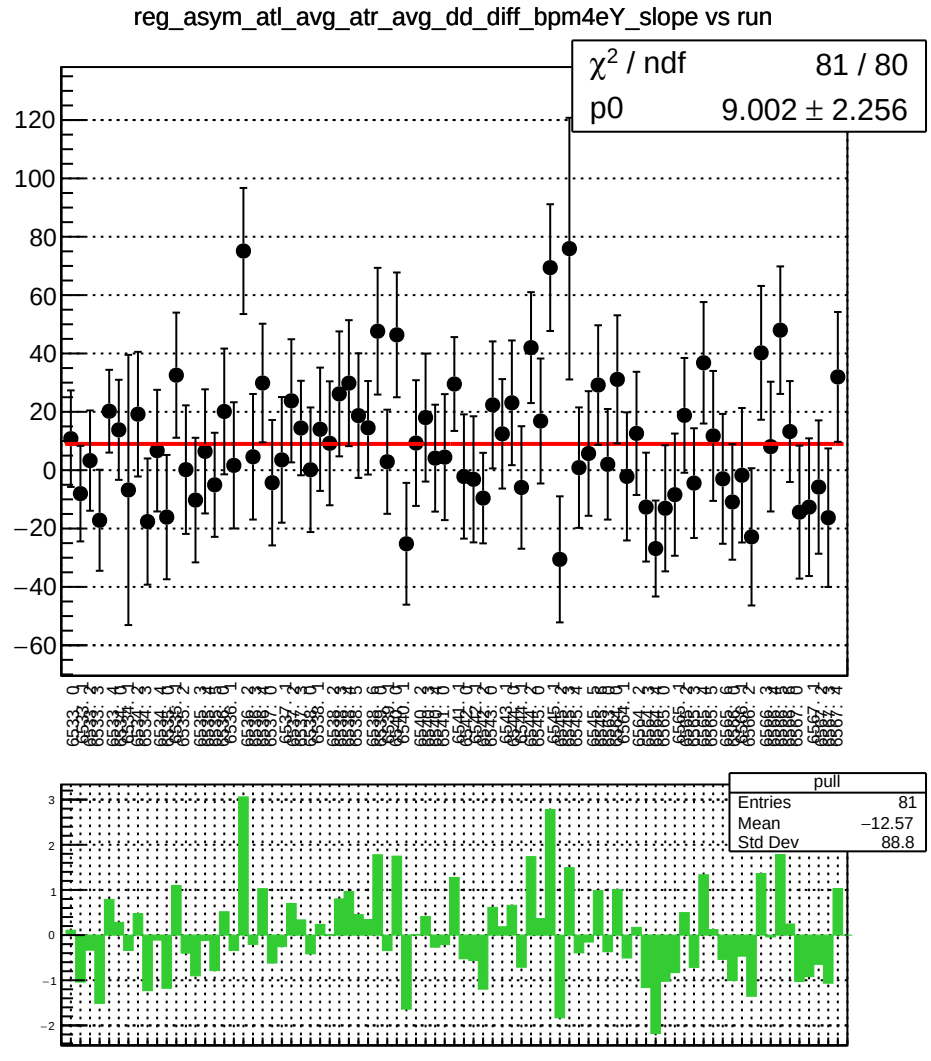

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 611.2 / 80
p0 −161.6 ± 0.2089
−160
−170
−180
−190
−200
pull
Entries 81
Mean 474.8
Std Dev 429.9
0
−5
−10
−15
−20
pull1D
Entries 81
Mean 0.1659
Std Dev 1.653
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

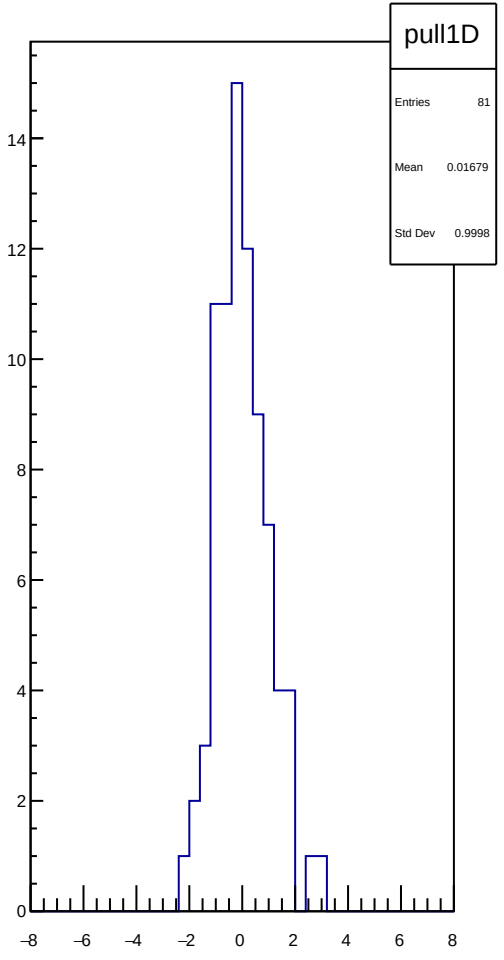

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 143.1 / 80
p0 −11.03 ± 1.297
pull
Entries 81
Mean −458.6
Std Dev 504.9
pull1D
Entries 81
Mean 0.02778
Std Dev 1.329

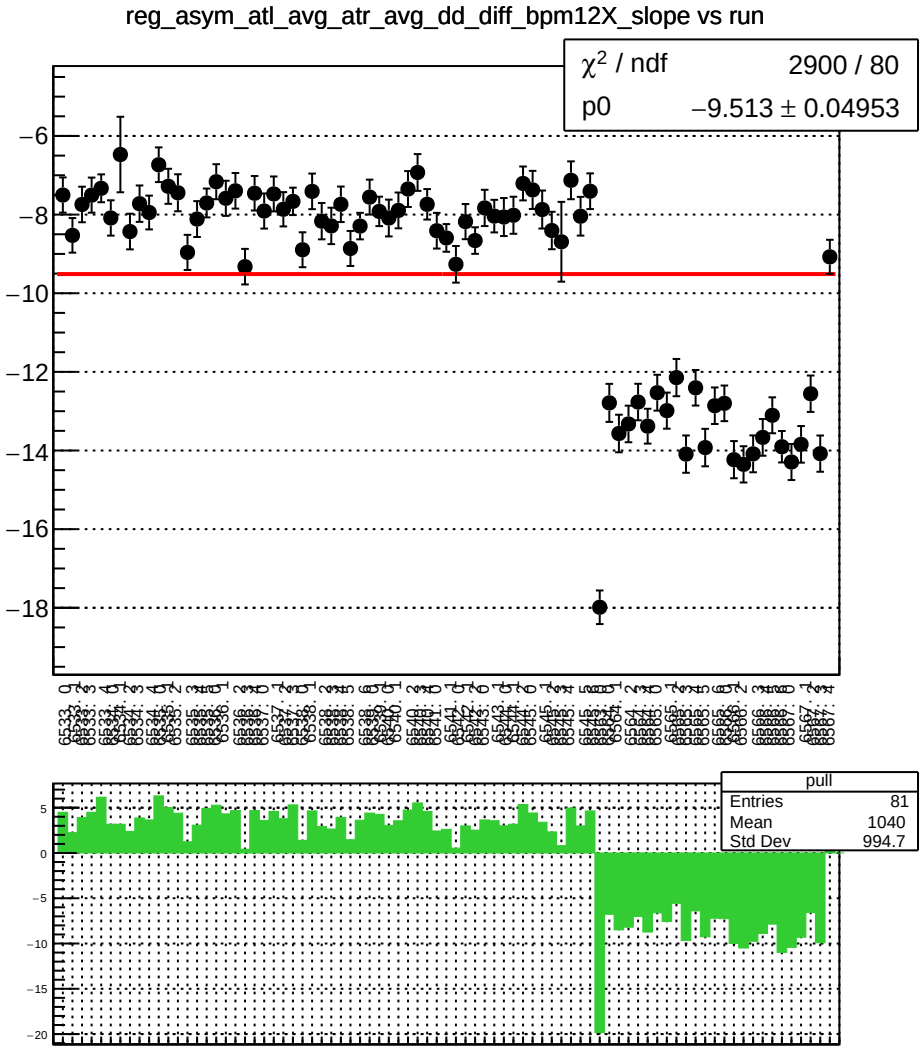

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.64 / 80
p0 −4.037 ± 2.343
pull
Entries 81
Mean −48.1
Std Dev 114.1
pull1D
Entries 81
Mean −0.01725
Std Dev 0.9852

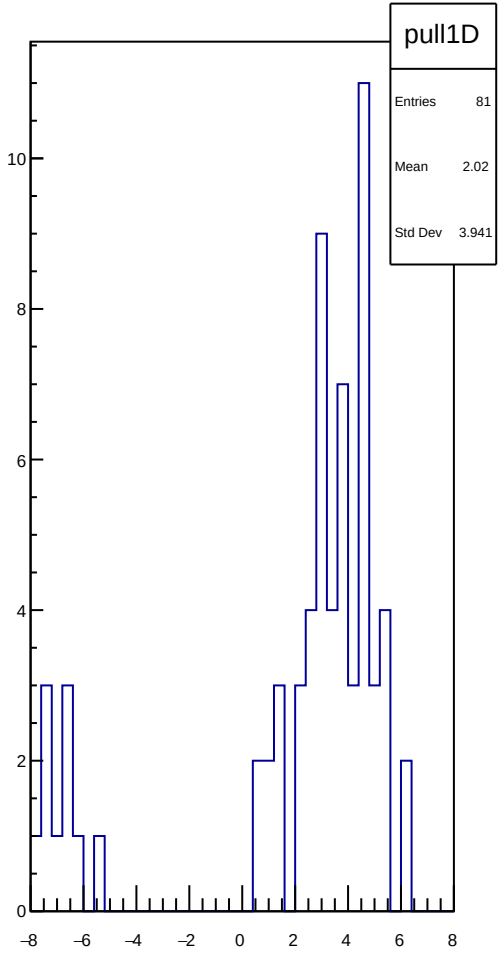

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 146.5 / 80
p0 −4.767 ± 1.404
pull
Entries 81
Mean −380.7
Std Dev 426.8

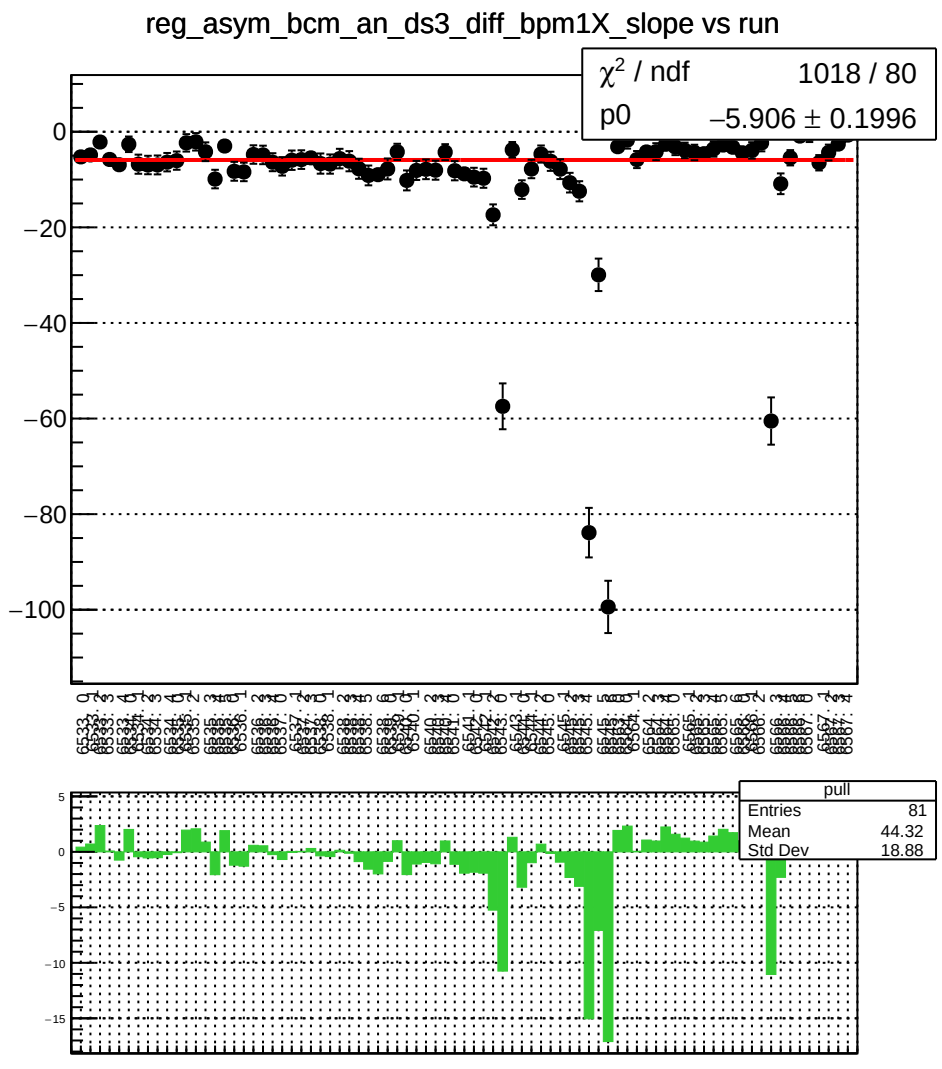

pull1D
Entries 81
Mean −0.03464
Std Dev 1.344

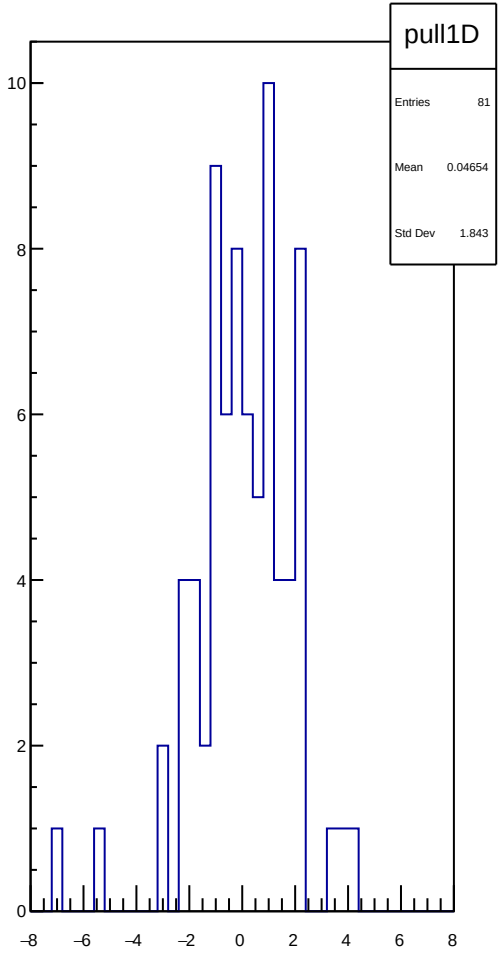

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 81 / 80
p0 9.002 ± 2.256
pull
Entries 81
Mean −12.57
Std Dev 88.8

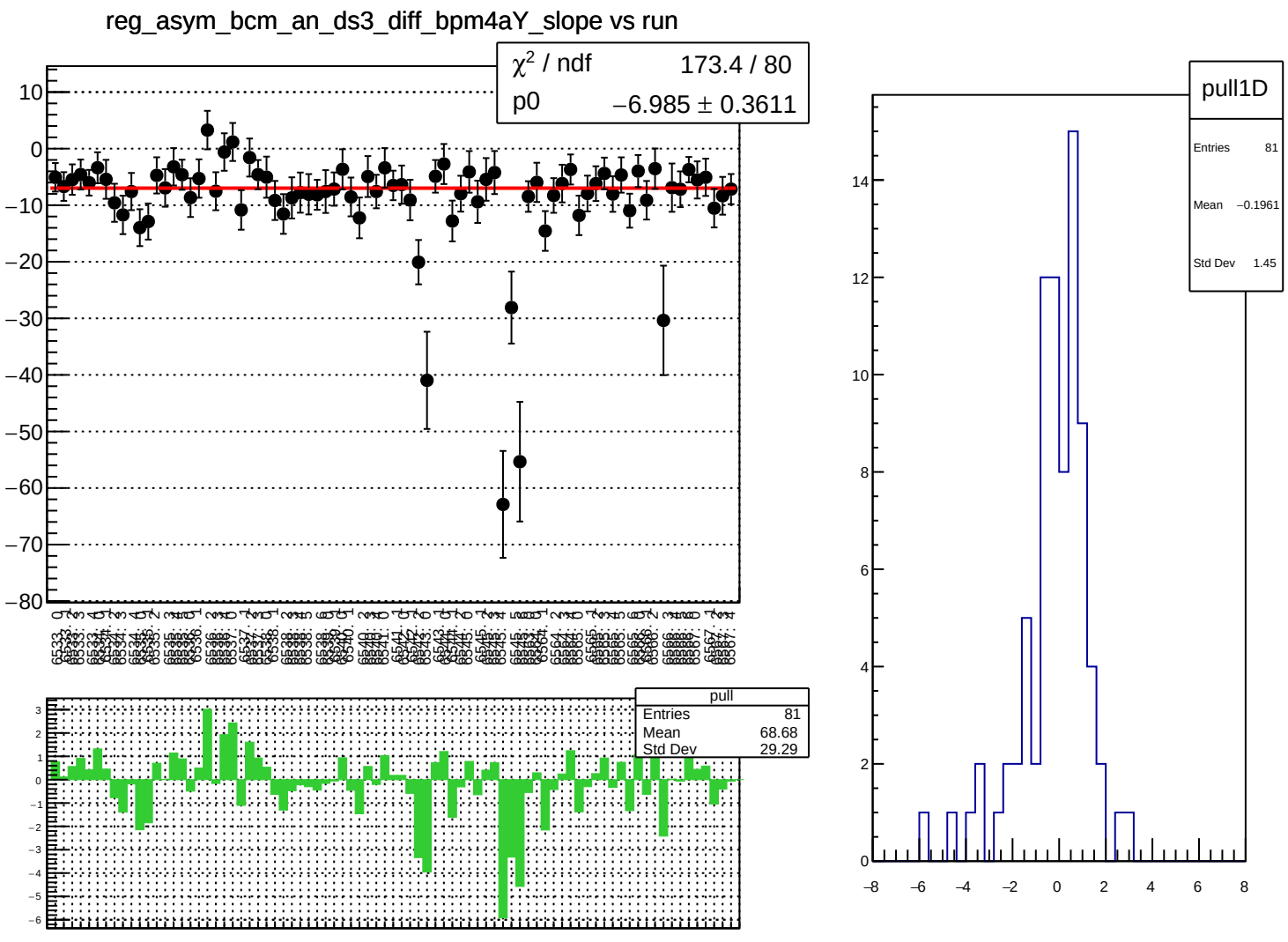

pull1D
Entries 81
Mean 0.01679
Std Dev 0.9998

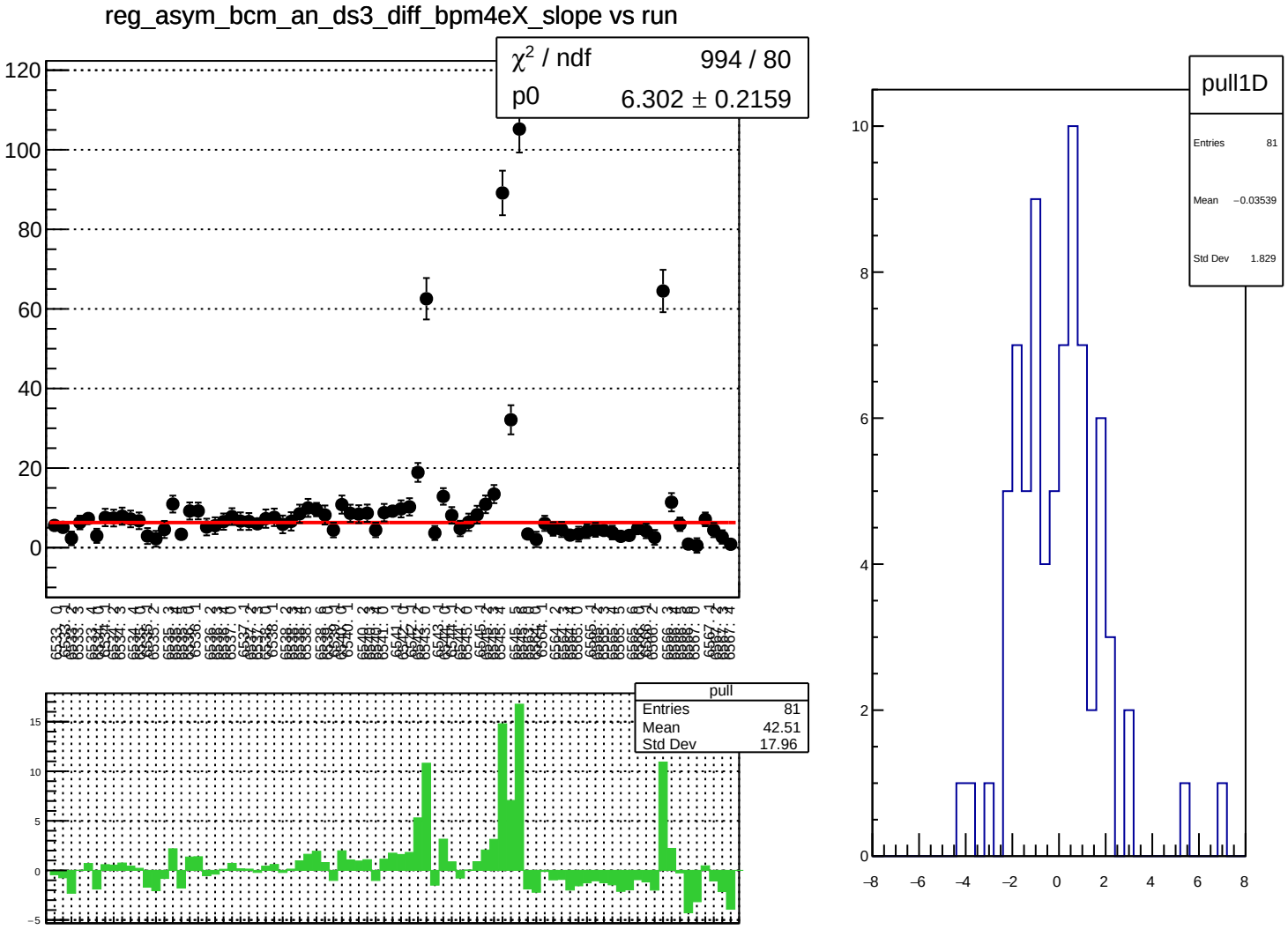

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 2900 / 80
p0 −9.513 ± 0.04953
pull
Entries 81
Mean 1040
Std Dev 994.7

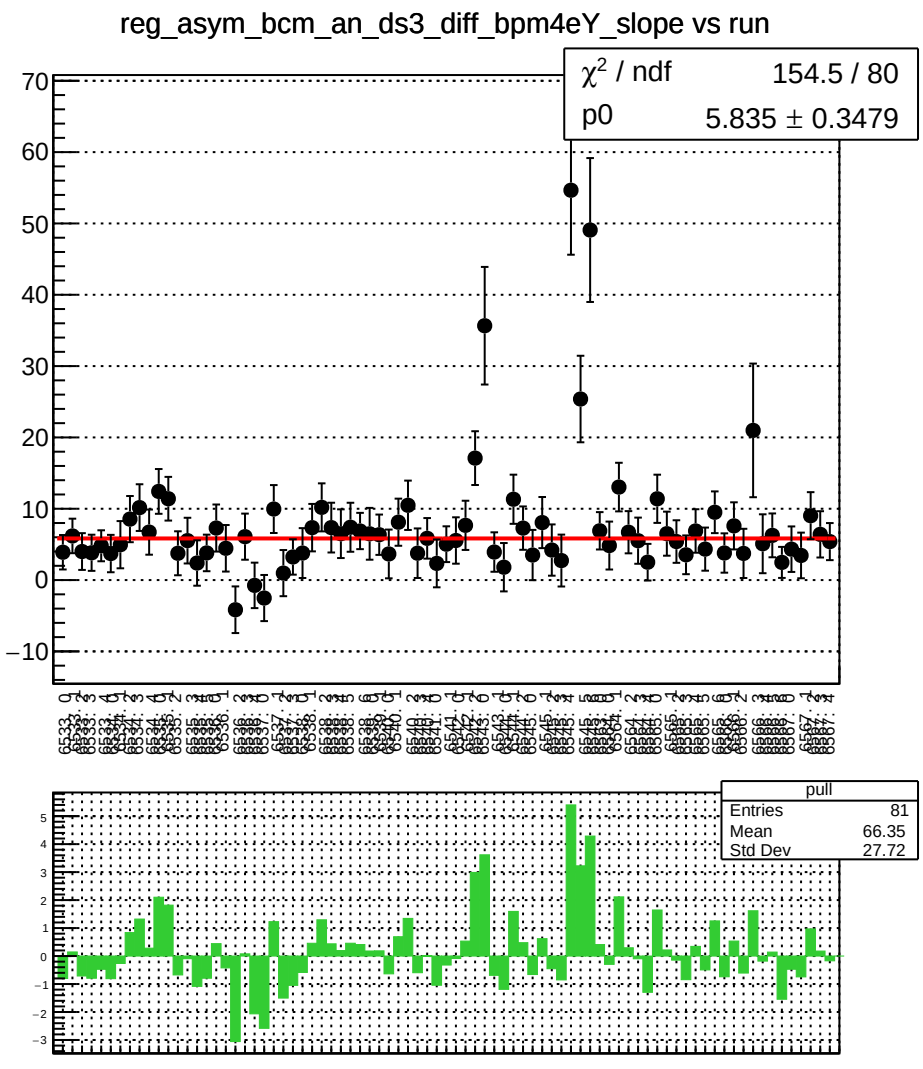

pull1D
Entries 81
Mean 2.02
Std Dev 3.941

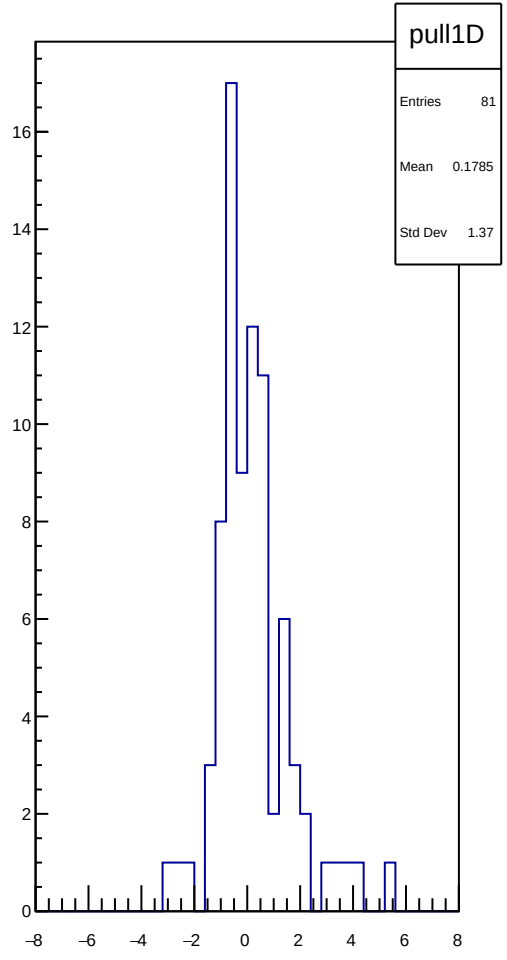

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1018 / 80
p0 −5.906 ± 0.1996
pull
Entries 81
Mean 44.32
Std Dev 18.88

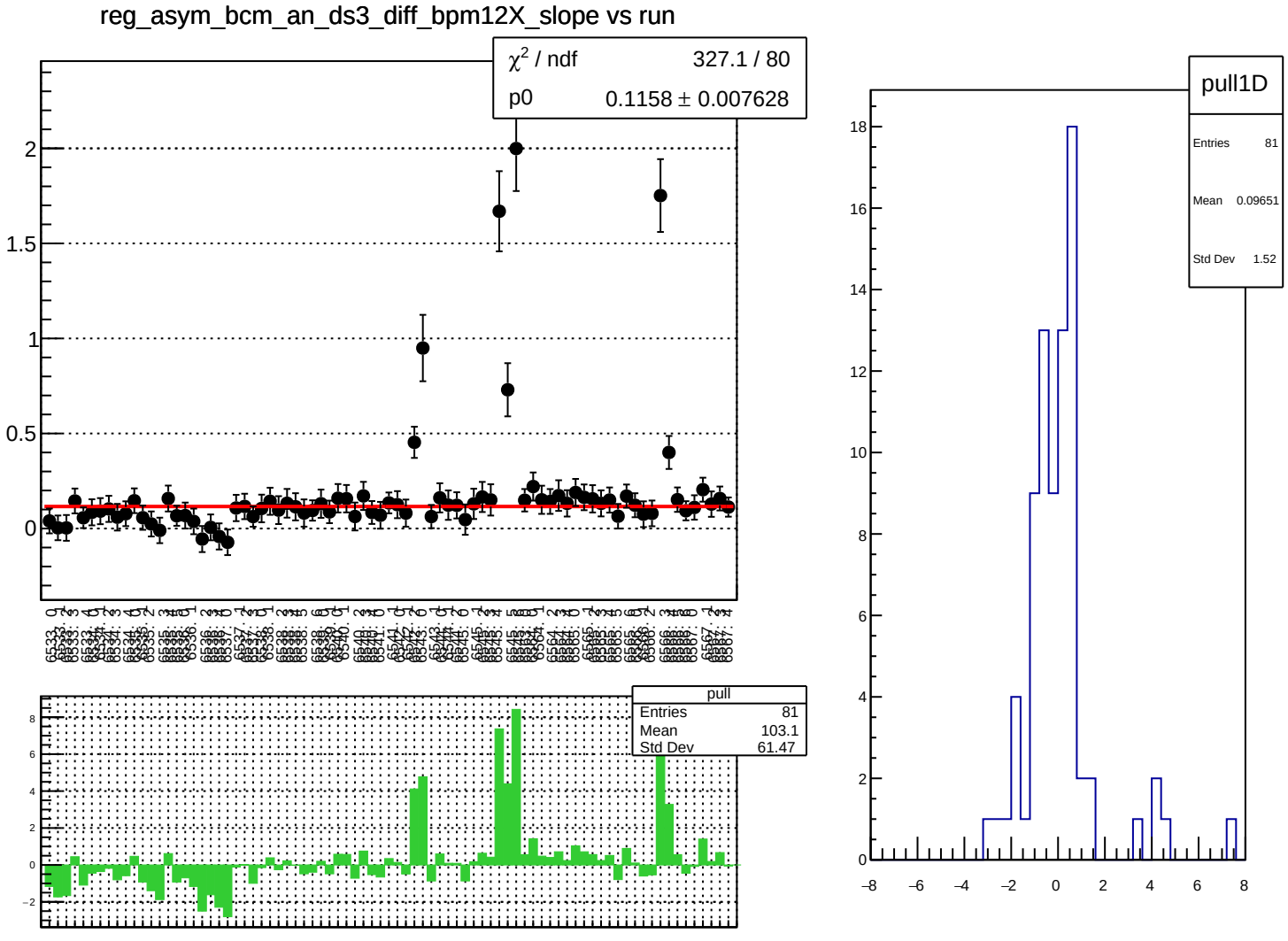

pull1D
Entries 81
Mean 0.04654
Std Dev 1.843

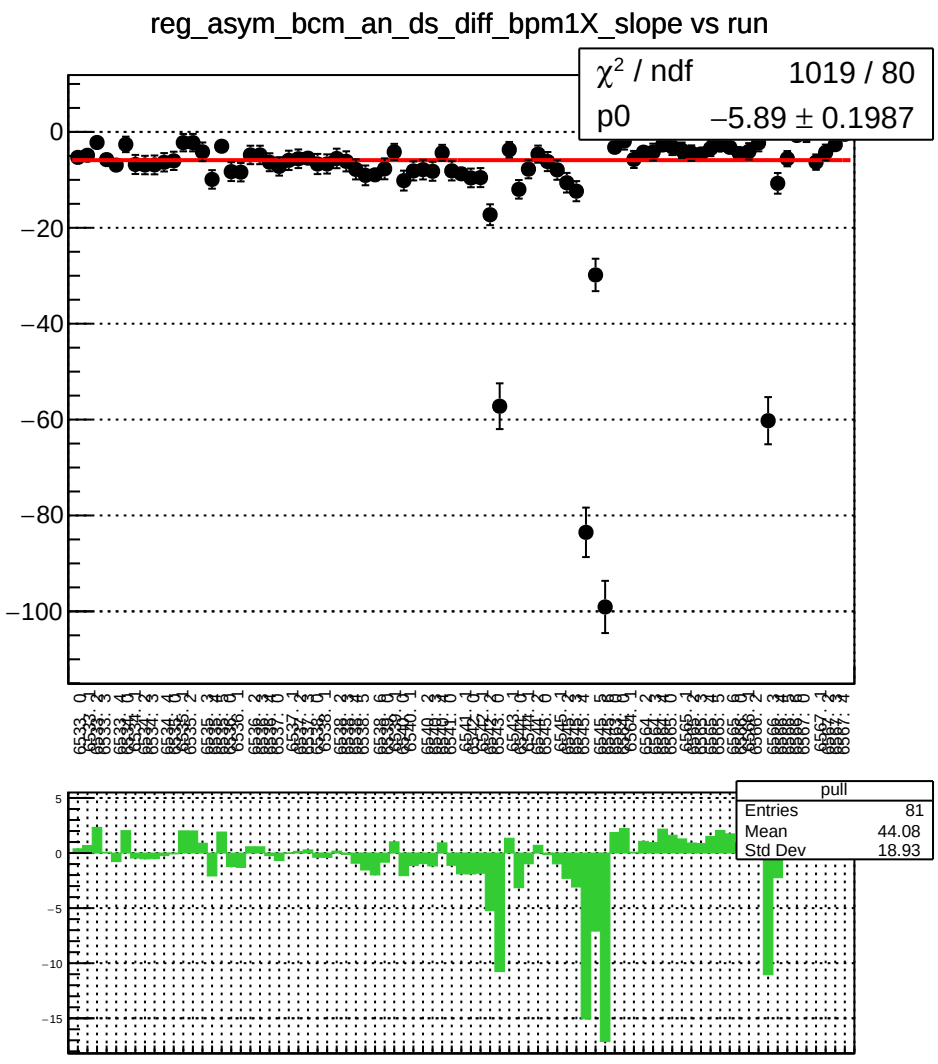

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 173.4 / 80
p0 −6.985 ± 0.3611
pull
Entries 81
Mean 68.68
Std Dev 29.29
pull1D
Entries 81
Mean −0.1961
Std Dev 1.45

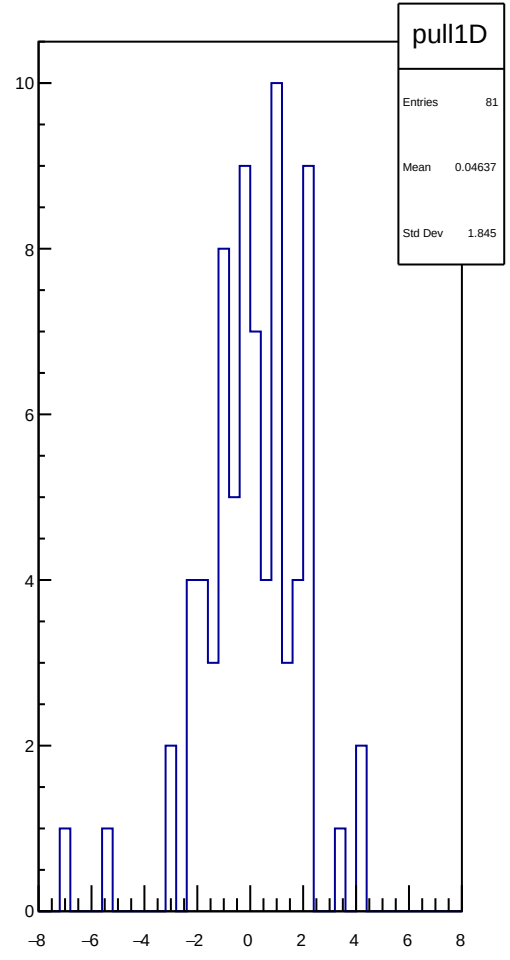

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 994 / 80
p0 6.302 ± 0.2159
pull
Entries 81
Mean 42.51
Std Dev 17.96
pull1D
Entries 81
Mean −0.03539
Std Dev 1.829

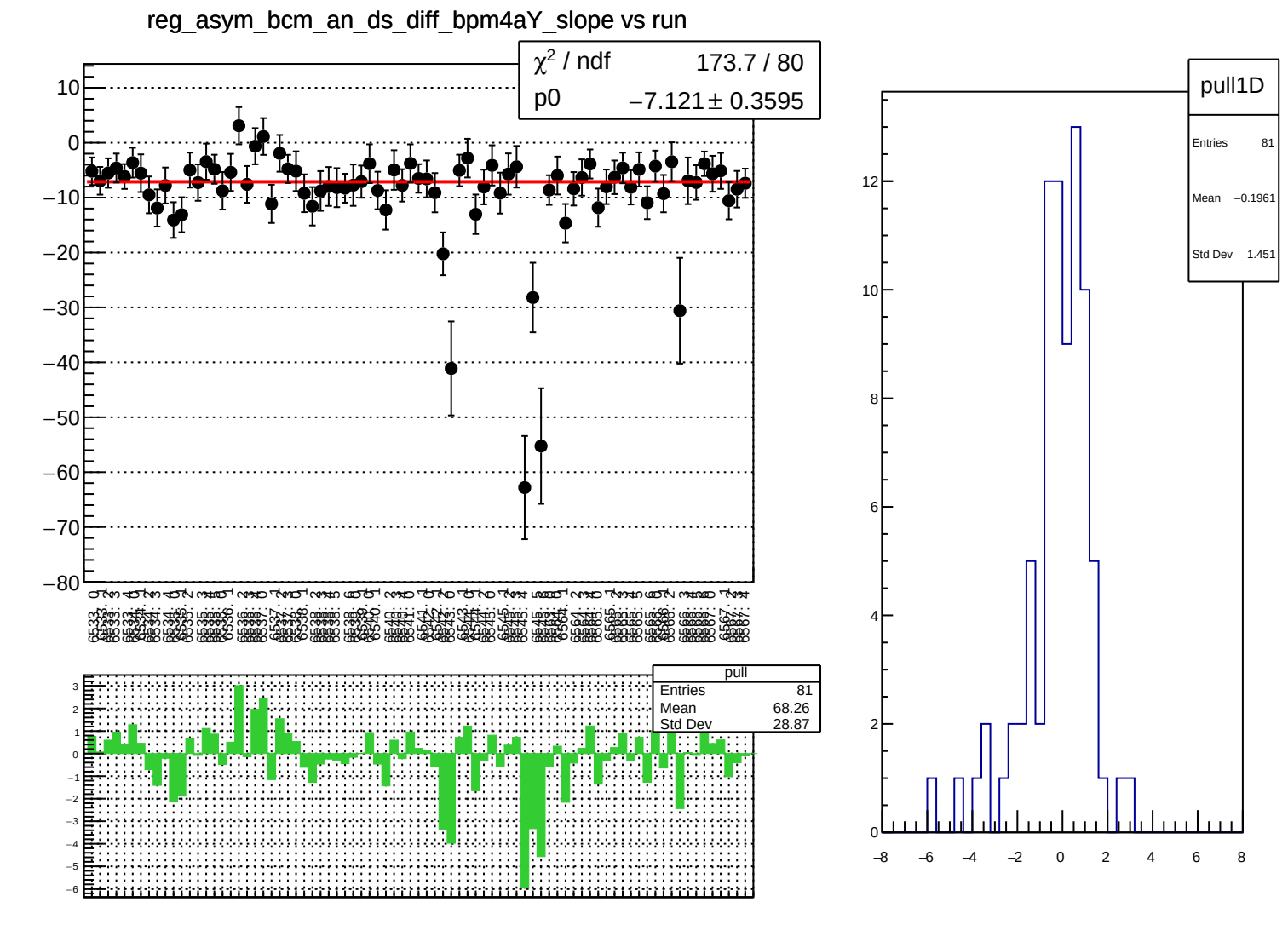

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 154.5 / 80
p0 5.835 ± 0.3479
pull
Entries 81
Mean 66.35
Std Dev 27.72

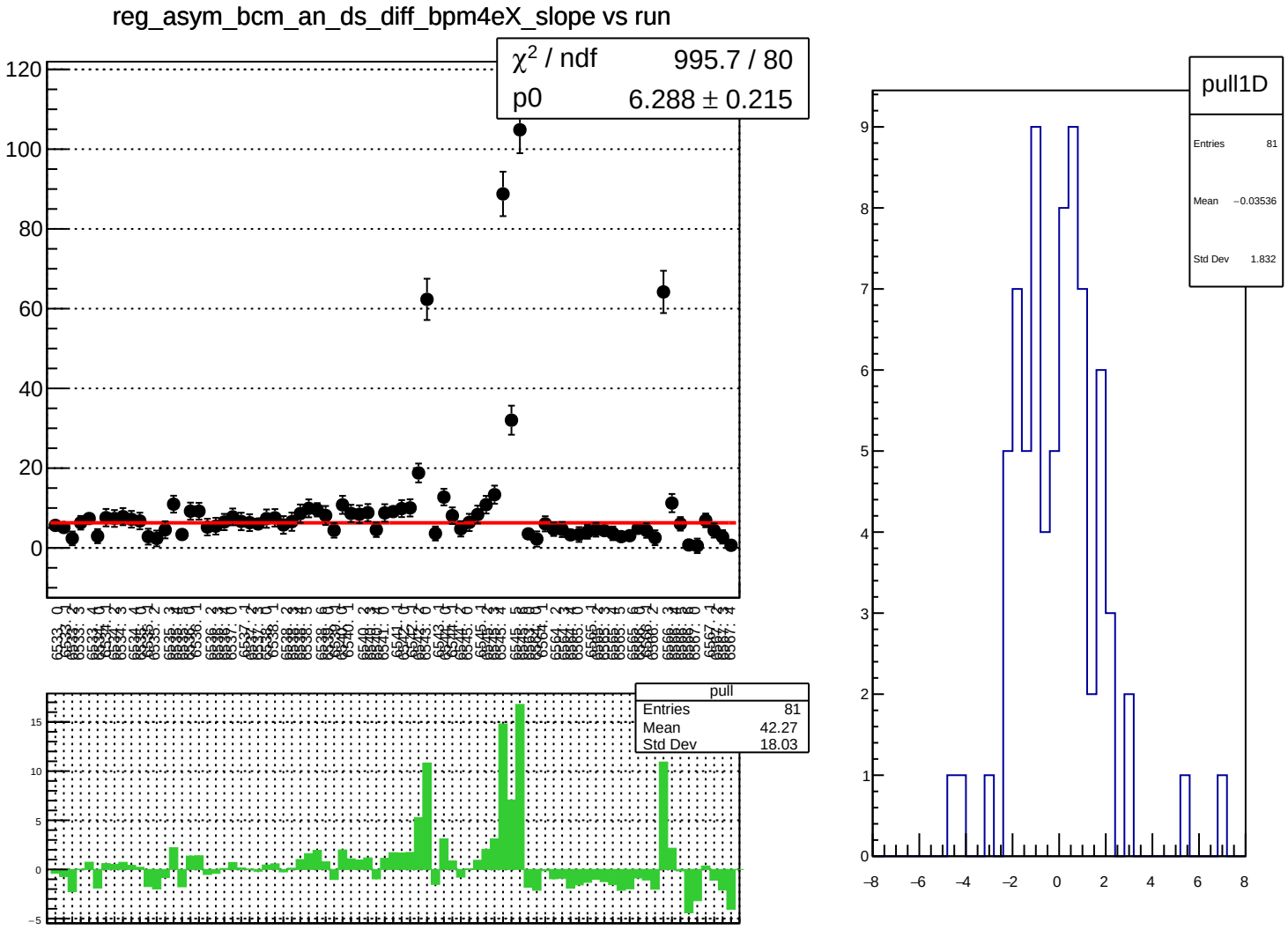

pull1D
Entries 81
Mean 0.1785
Std Dev 1.37

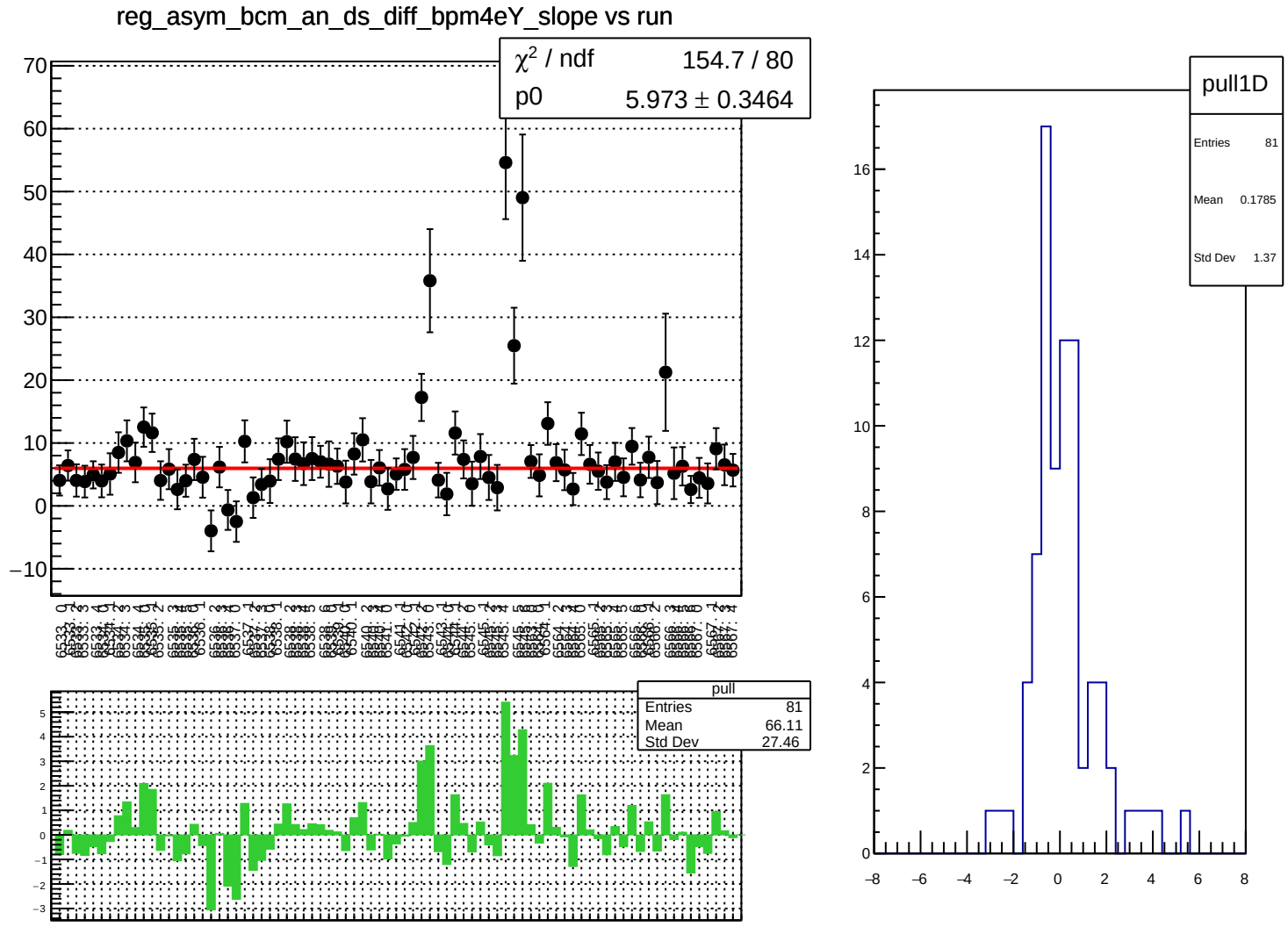

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 327.1 / 80
p0 0.1158 ± 0.007628
pull
Entries 81
Mean 103.1
Std Dev 61.47
pull1D
Entries 81
Mean 0.09651
Std Dev 1.52

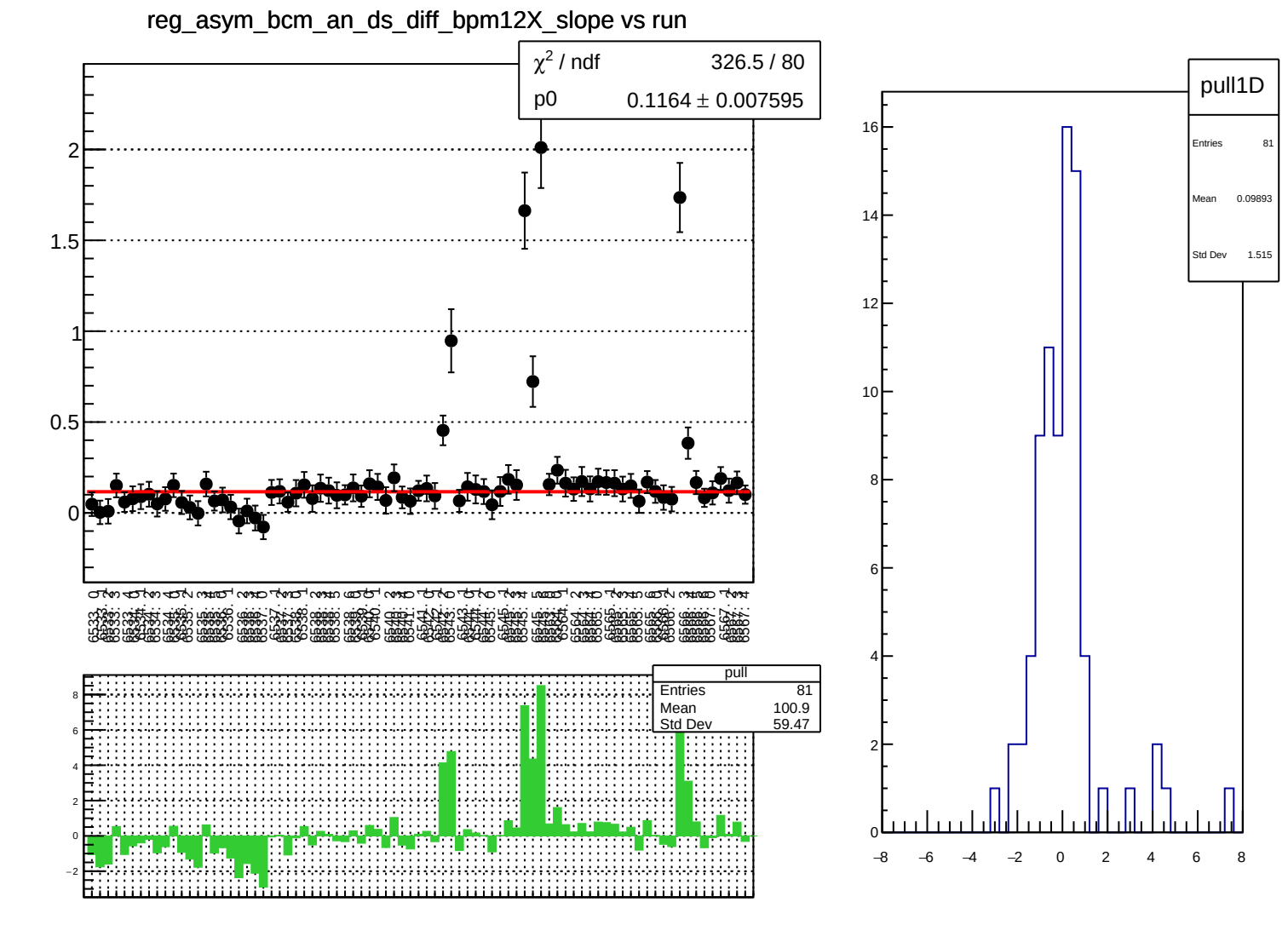

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1019 / 80
p0 −5.89 ± 0.1987
pull
Entries 81
Mean 44.08
Std Dev 18.93

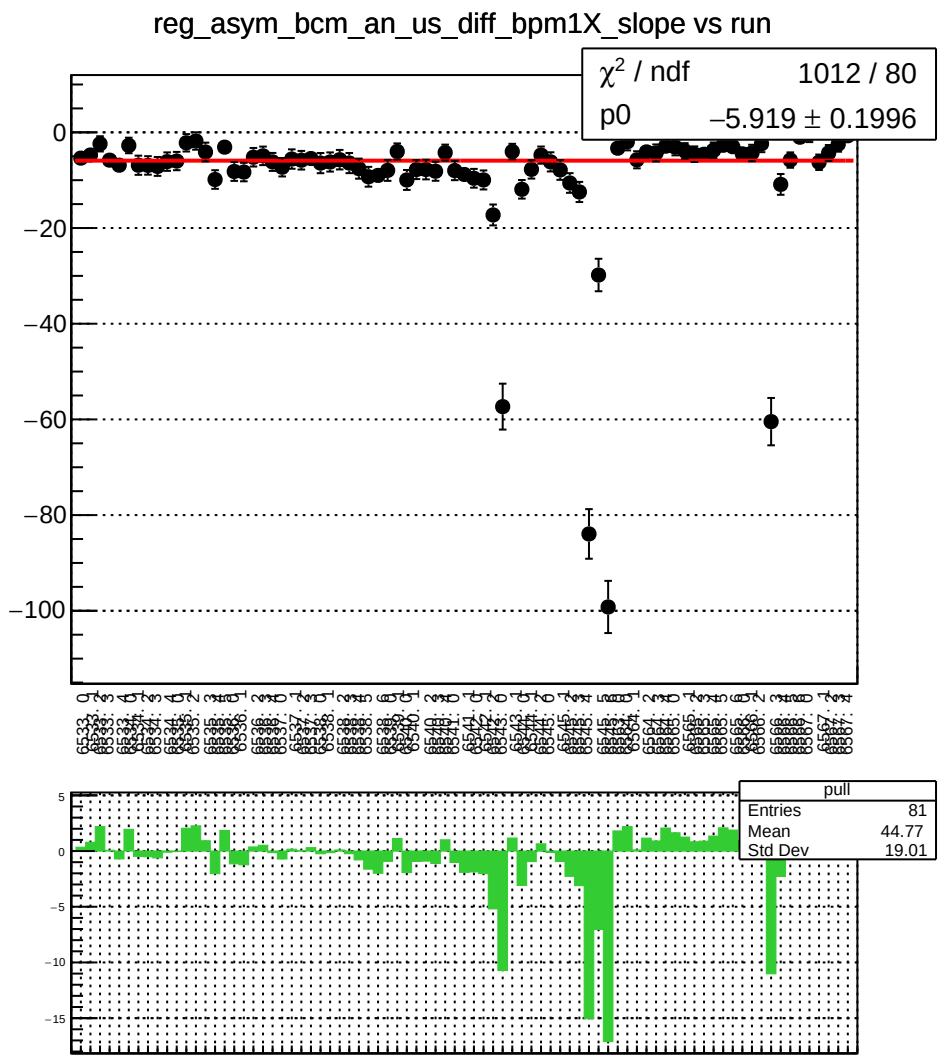

pull1D
Entries 81
Mean 0.04637
Std Dev 1.845

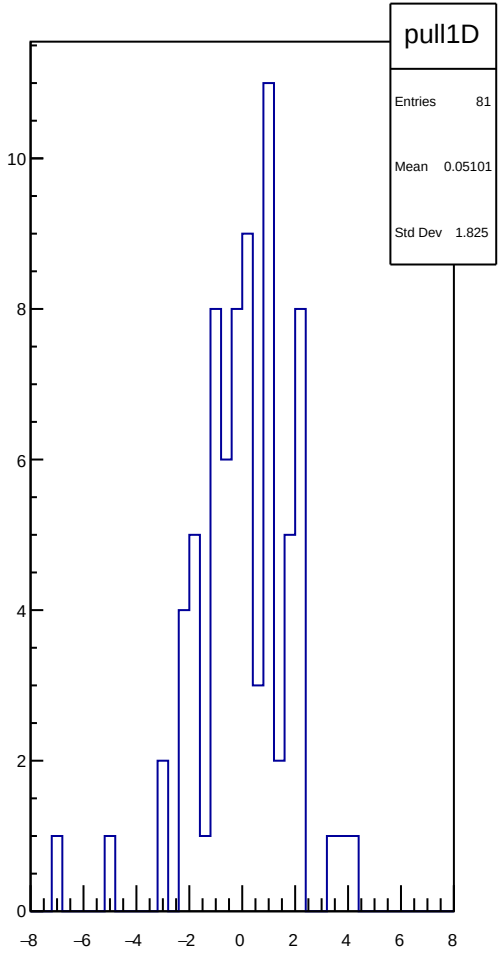

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 173.7 / 80
p0 −7.121 ± 0.3595
pull
Entries 81
Mean 68.26
Std Dev 28.87
pull1D
Entries 81
Mean −0.1961
Std Dev 1.451

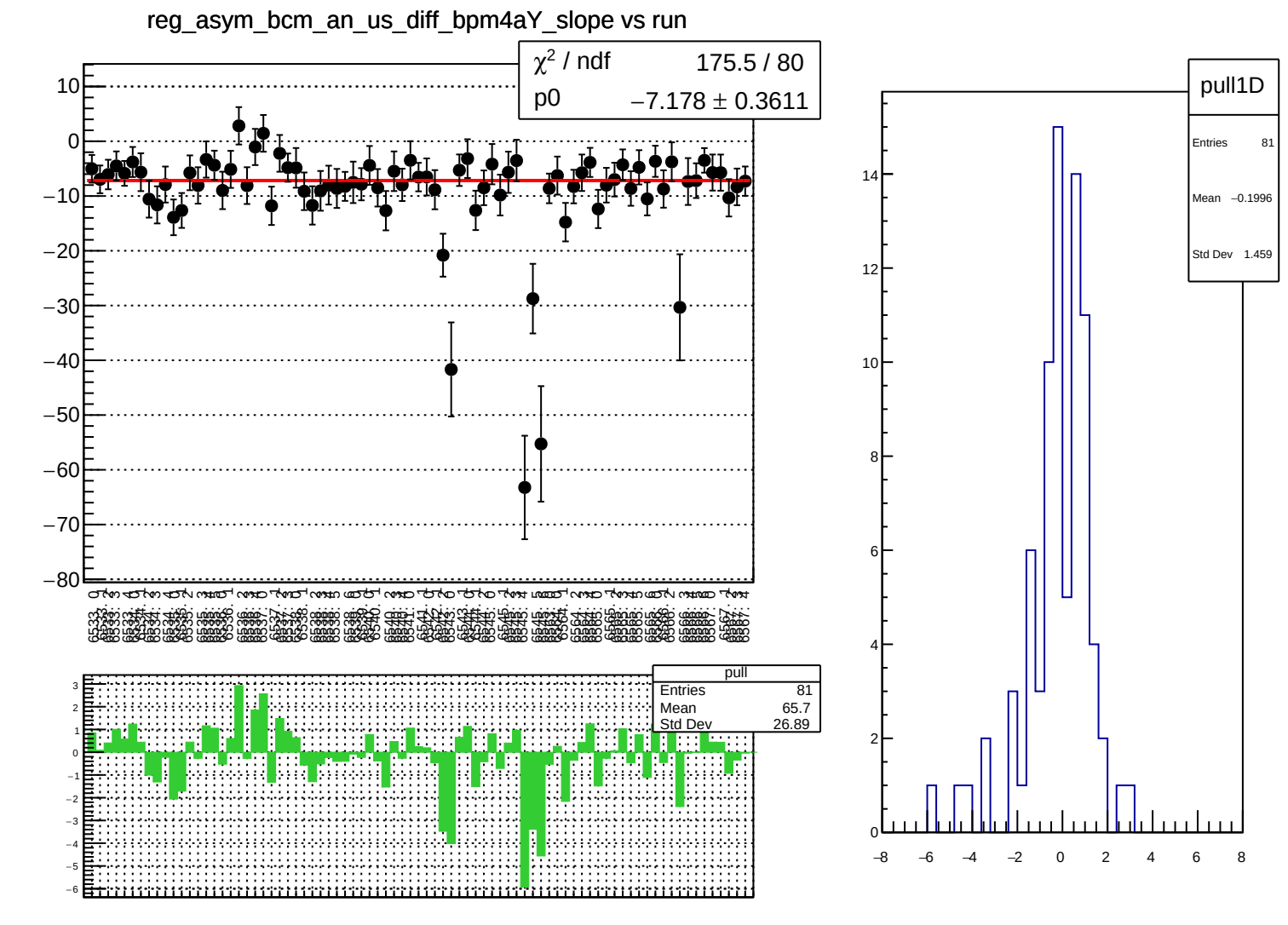

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 995.7 / 80
p0 6.288 ± 0.215
pull
Entries 81
Mean 42.27
Std Dev 18.03
pull1D
Entries 81
Mean −0.03536
Std Dev 1.832

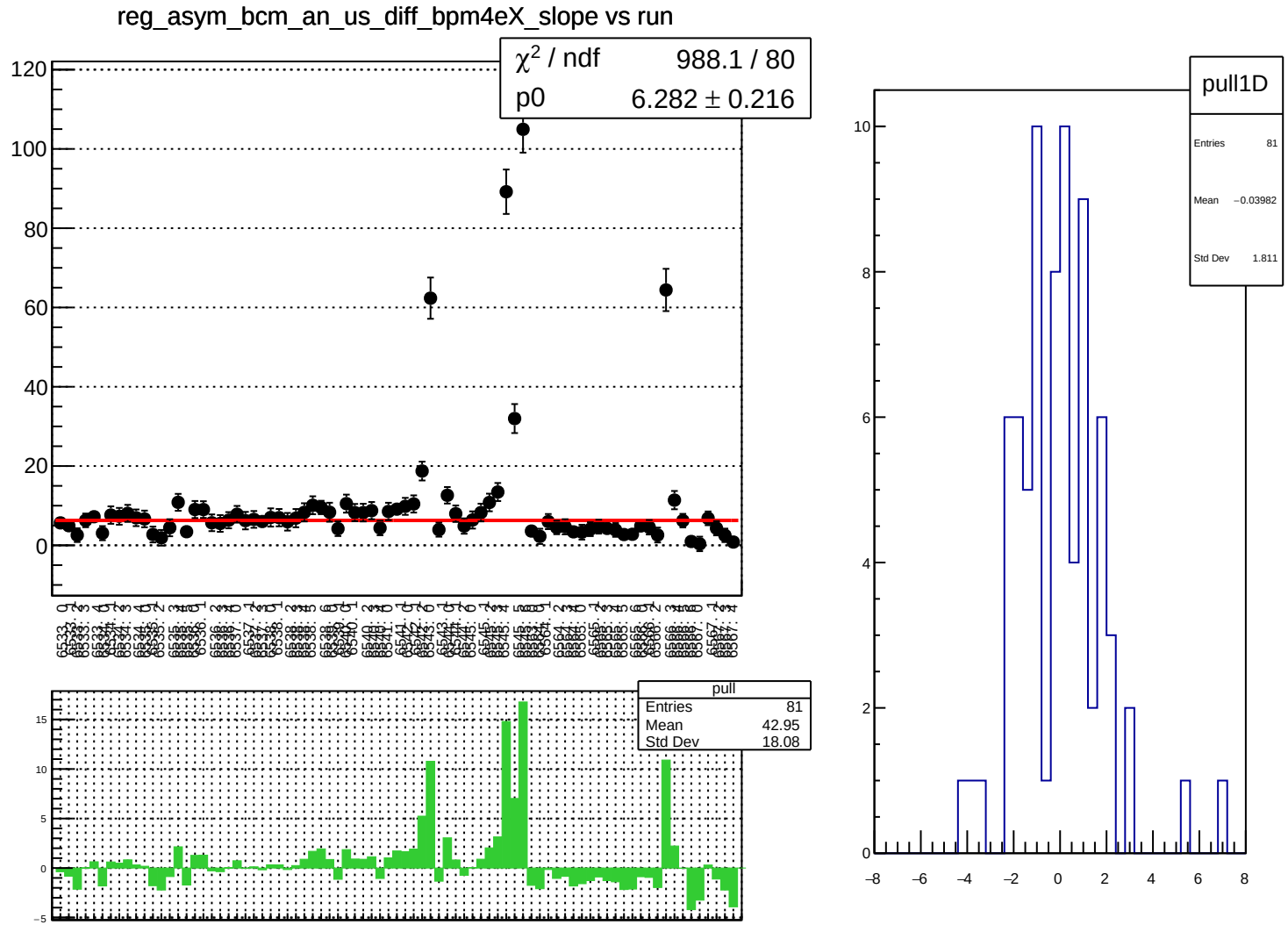

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 154.7 / 80
p0 5.973 ± 0.3464
pull
Entries 81
Mean 66.11
Std Dev 27.46
pull1D
Entries 81
Mean 0.1785
Std Dev 1.37

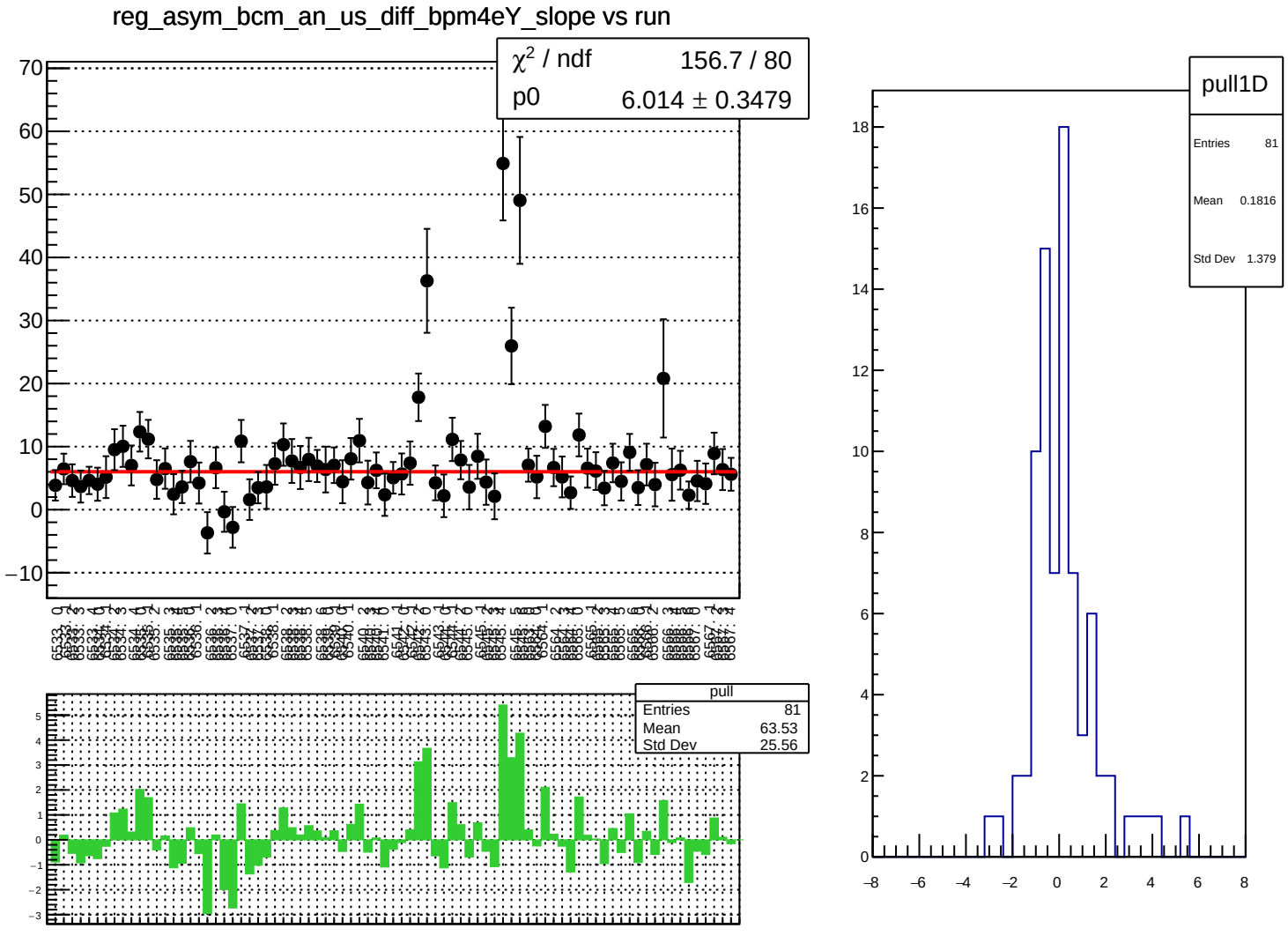

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 326.5 / 80
p0 0.1164 ± 0.007595
pull
Entries 81
Mean 100.9
Std Dev 59.47
pull1D
Entries 81
Mean 0.09893
Std Dev 1.515

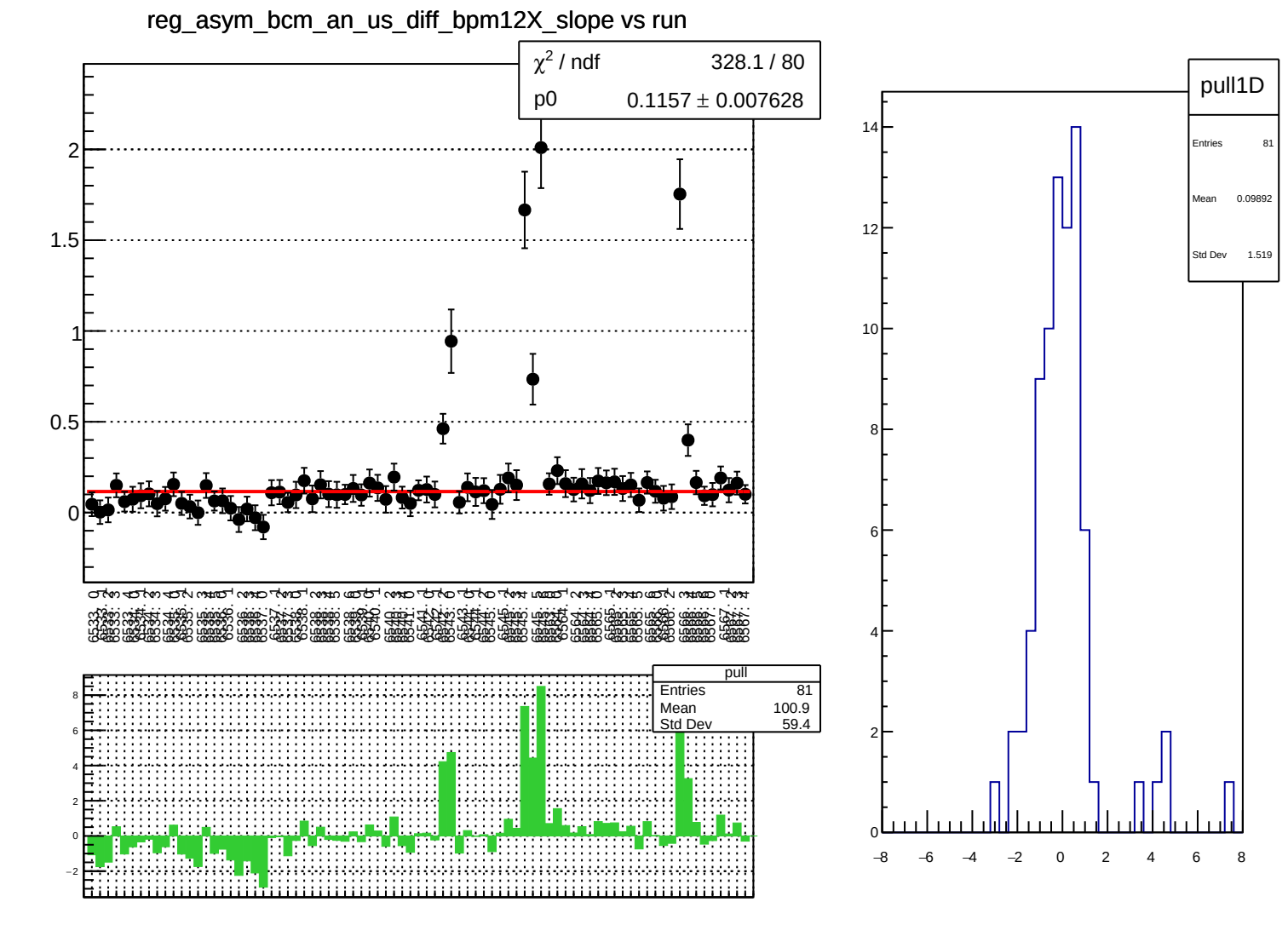

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1012 / 80
p0 −5.919 ± 0.1996
pull
Entries 81
Mean 44.77
Std Dev 19.01

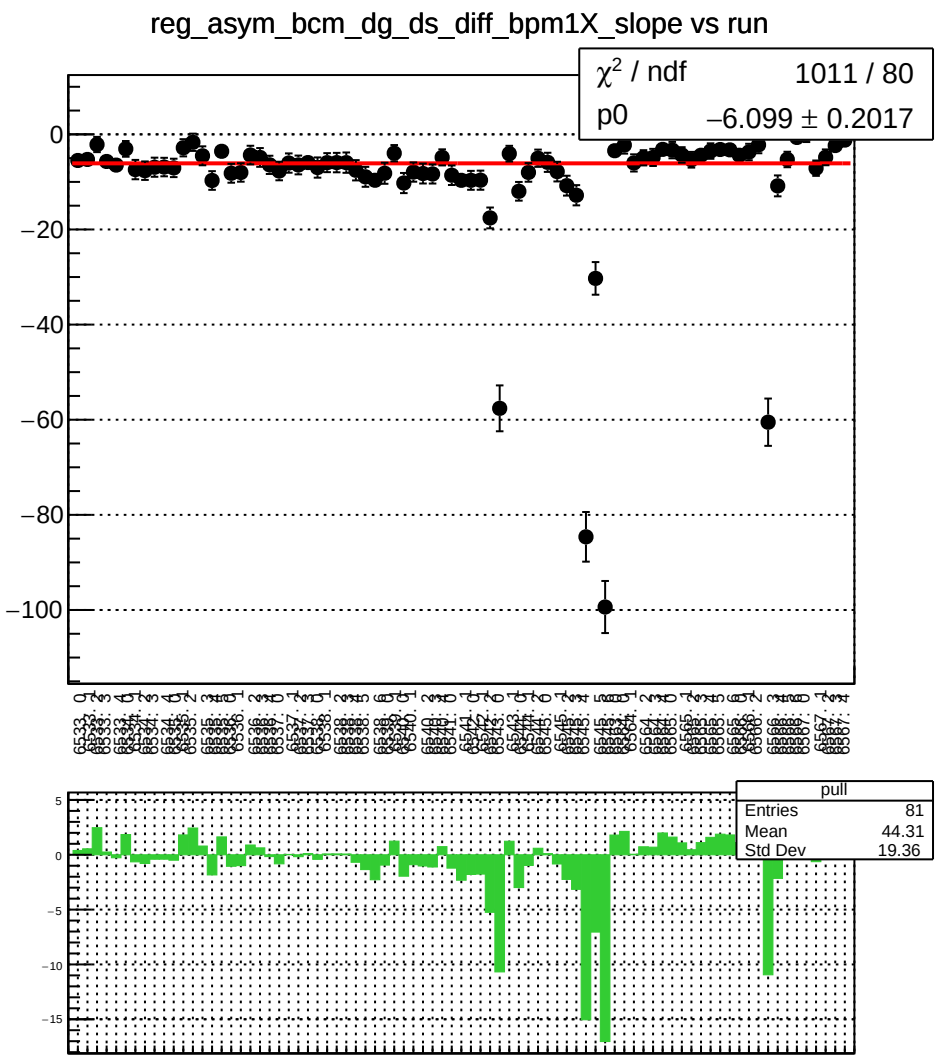

pull1D
Entries 81
Mean 0.05101
Std Dev 1.825

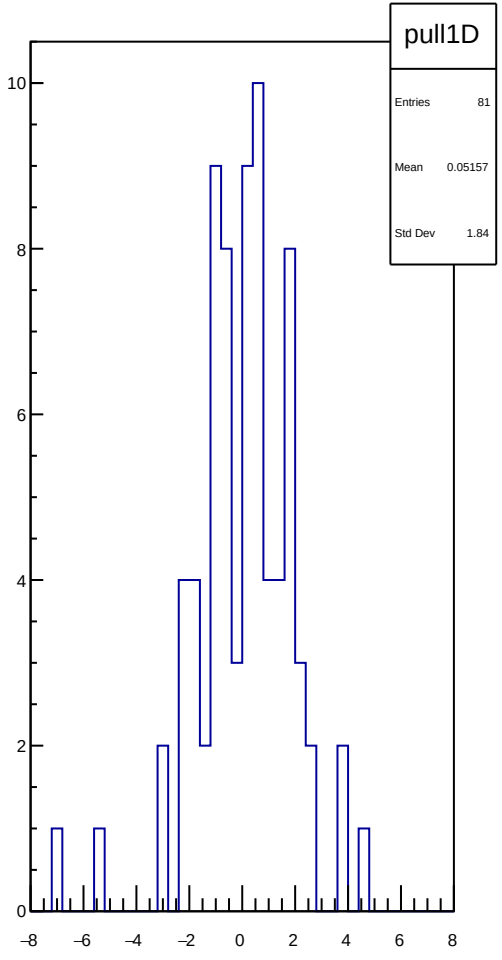

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 175.5 / 80
p0 −7.178 ± 0.3611
pull
Entries 81
Mean 65.7
Std Dev 26.89
pull1D
Entries 81
Mean −0.1996
Std Dev 1.459

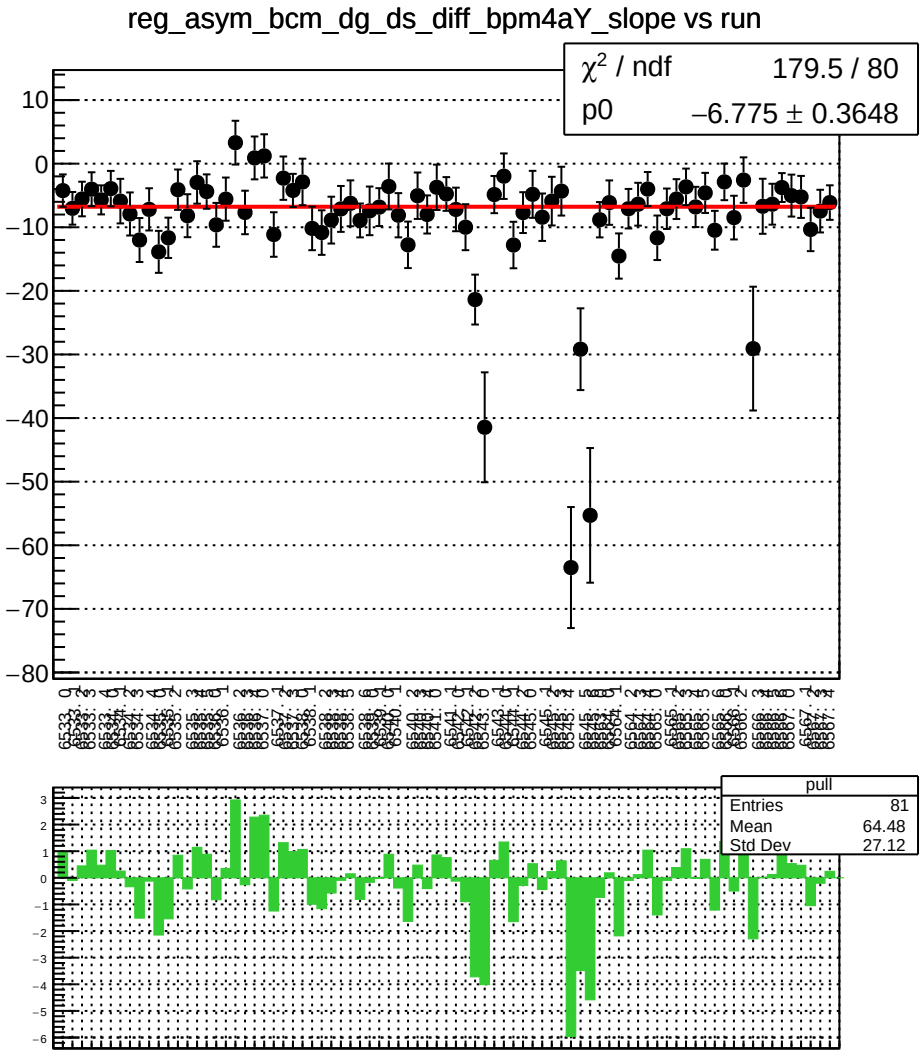

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 988.1 / 80
p0 6.282 ± 0.216
pull
Entries 81
Mean 42.95
Std Dev 18.08
pull1D
Entries 81
Mean −0.03982
Std Dev 1.811

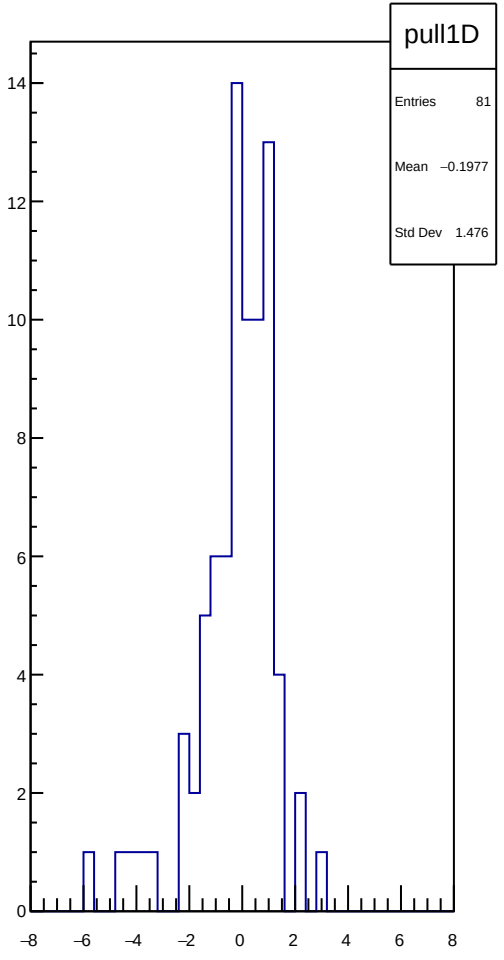

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 156.7 / 80
p0 6.014 ± 0.3479
pull
Entries 81
Mean 63.53
Std Dev 25.56
pull1D
Entries 81
Mean 0.1816
Std Dev 1.379

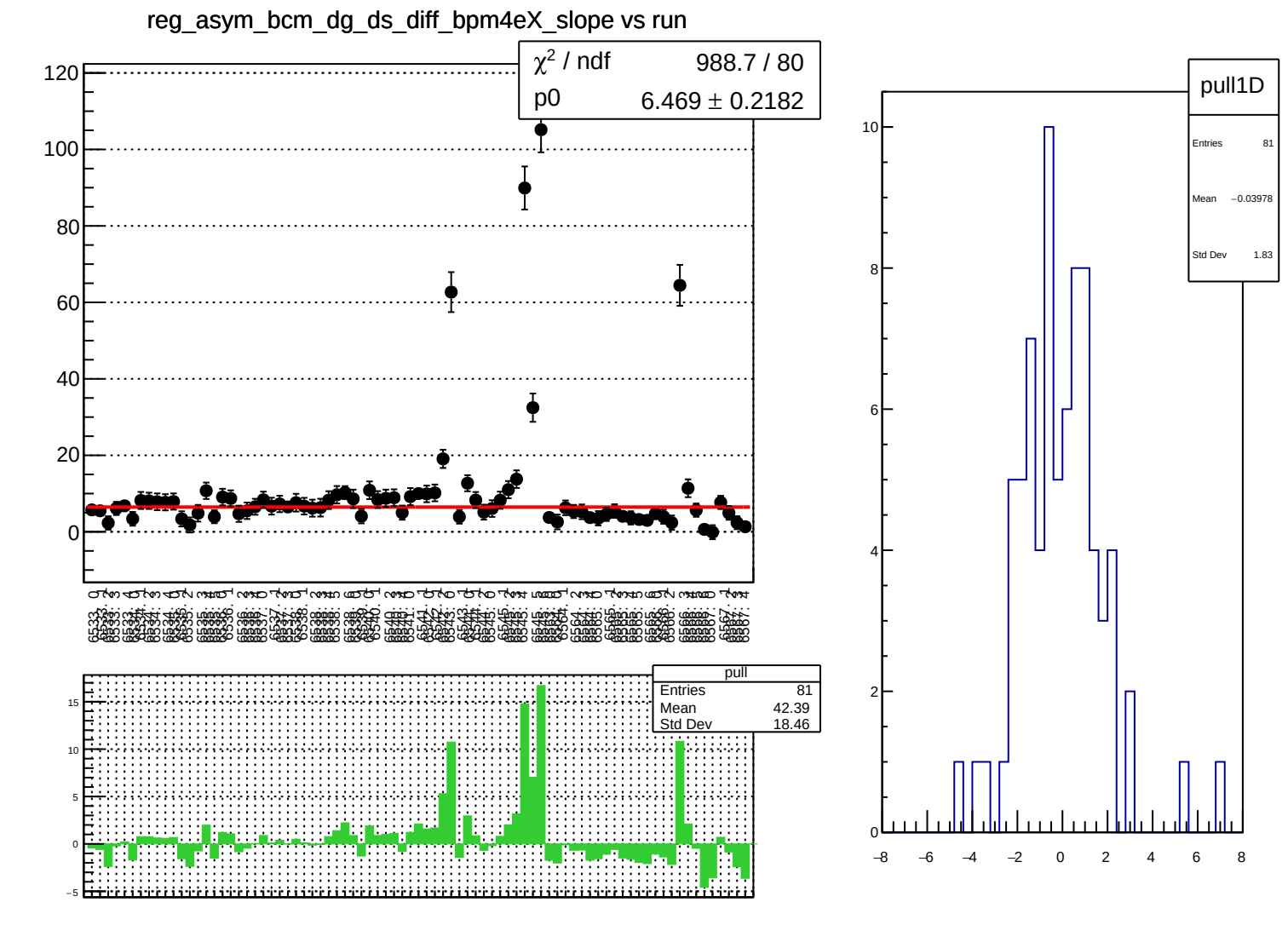

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 328.1 / 80
p0 0.1157 ± 0.007628
pull
Entries 81
Mean 100.9
Std Dev 59.4
pull1D
Entries 81
Mean 0.09892
Std Dev 1.519

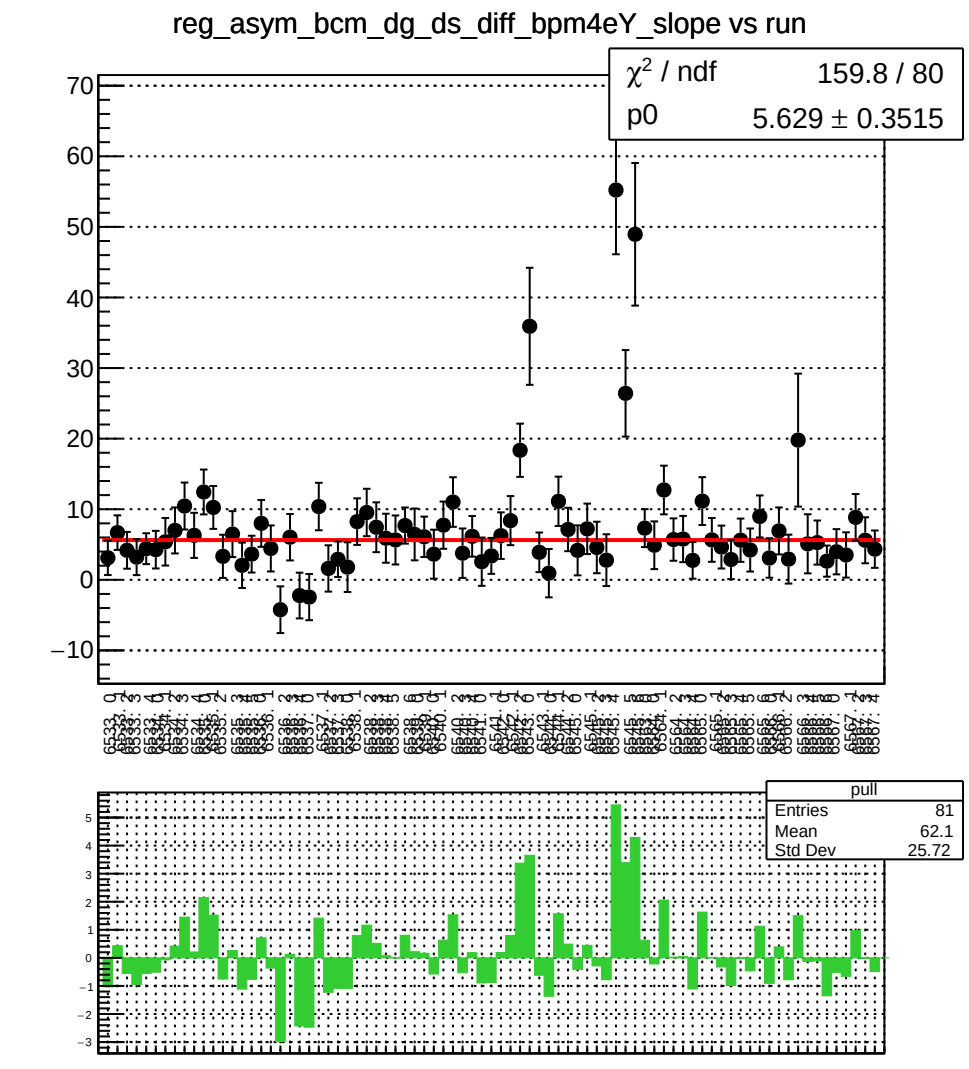

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1011 / 80
p0 −6.099 ± 0.2017
pull
Entries 81
Mean 44.31
Std Dev 19.36

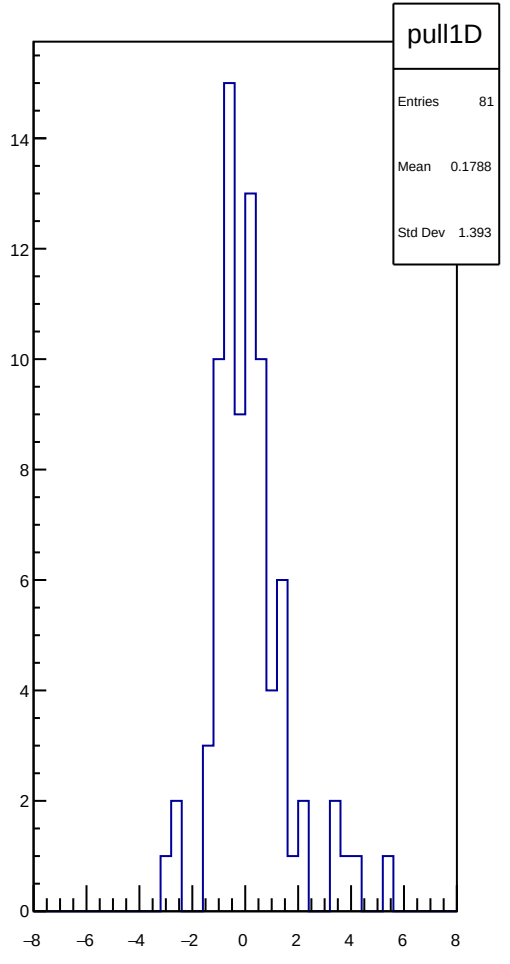

pull1D
Entries 81
Mean 0.05157
Std Dev 1.84

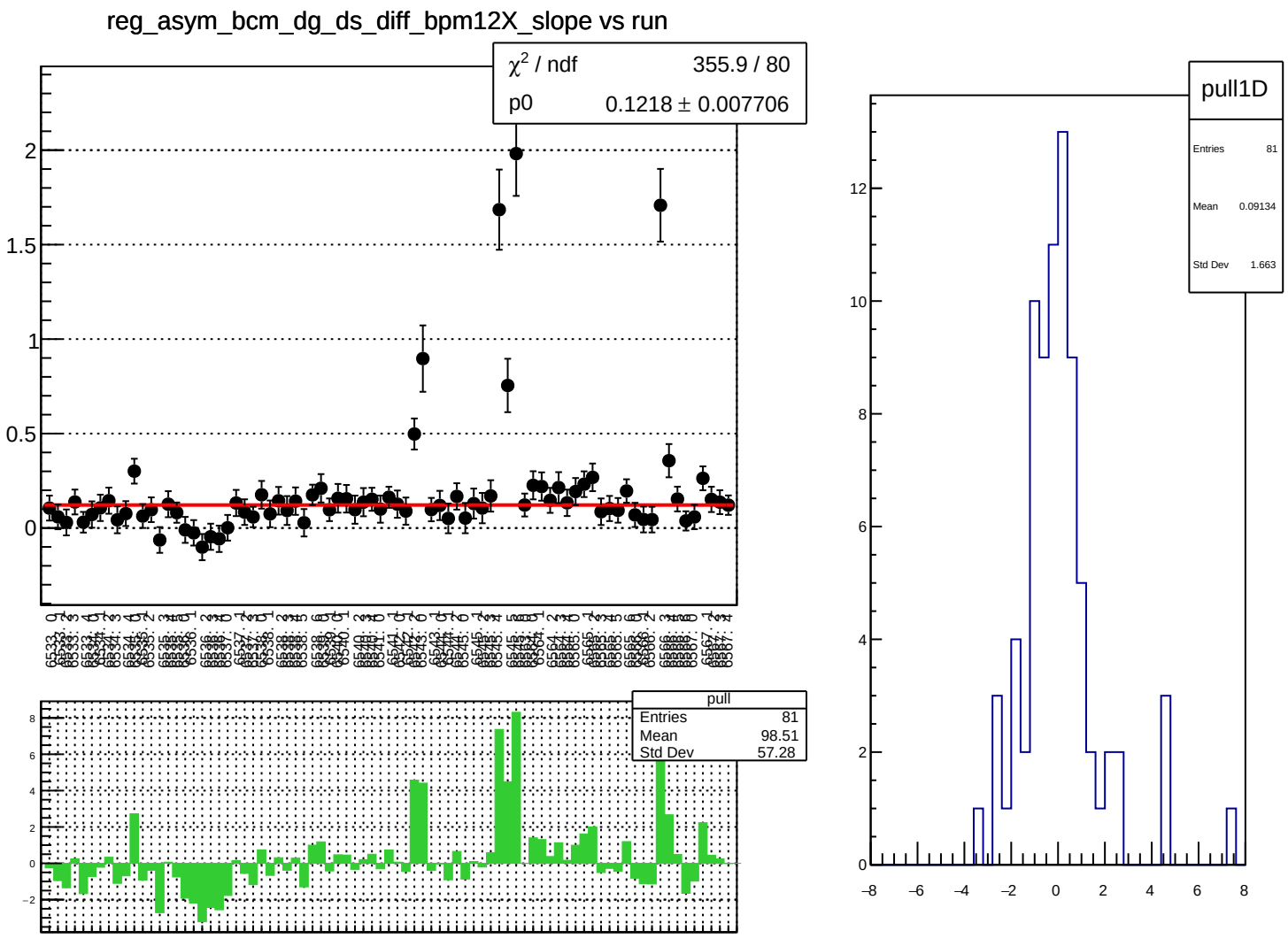

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 179.5 / 80
p0 −6.775 ± 0.3648
pull
Entries 81
Mean 64.48
Std Dev 27.12

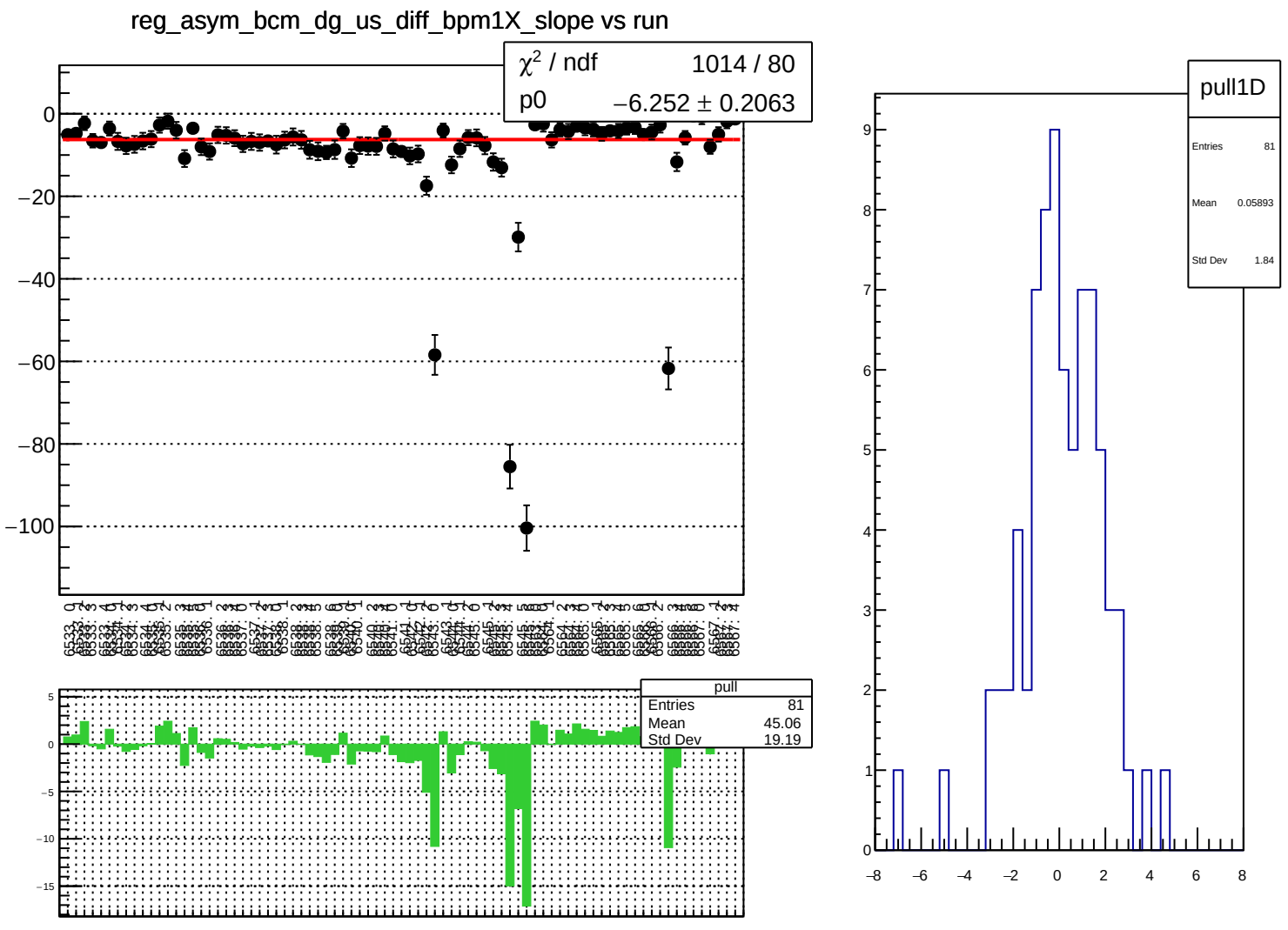

pull1D
Entries 81
Mean −0.1977
Std Dev 1.476

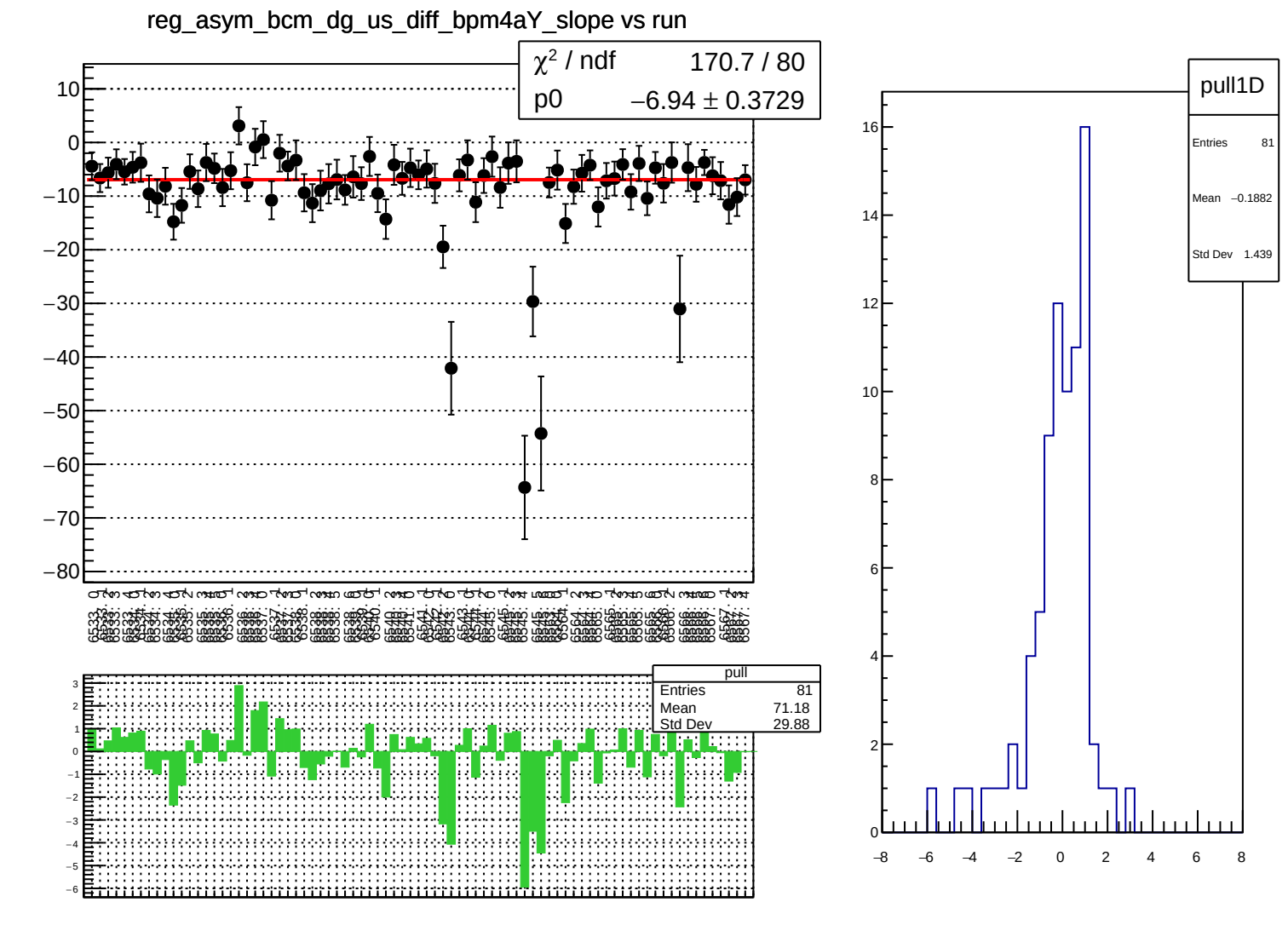

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 988.7 / 80
p0 6.469 ± 0.2182
pull
Entries 81
Mean 42.39
Std Dev 18.46
pull1D
Entries 81
Mean −0.03978
Std Dev 1.83

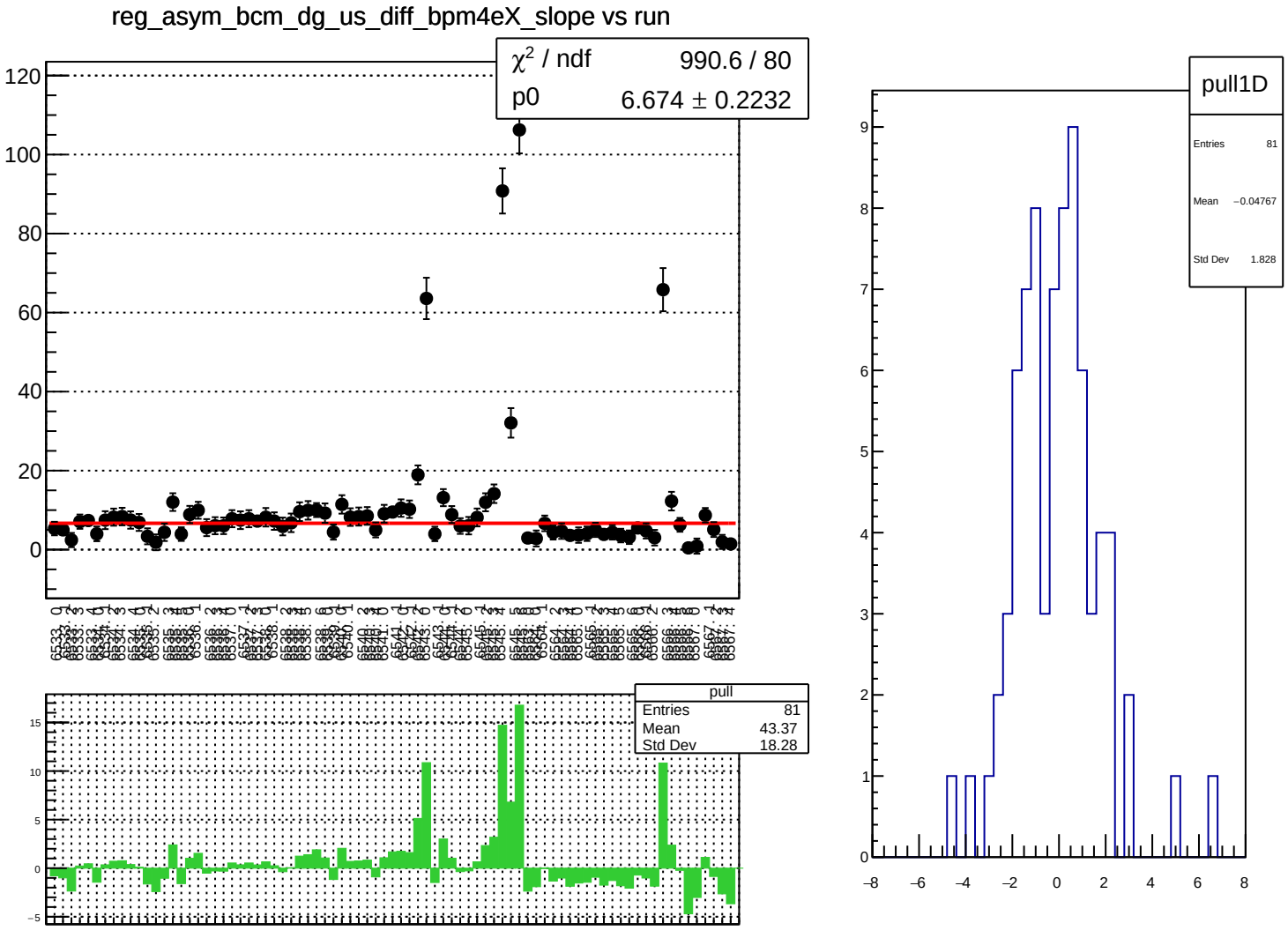

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 159.8 / 80
p0 5.629 ± 0.3515
pull
Entries 81
Mean 62.1
Std Dev 25.72

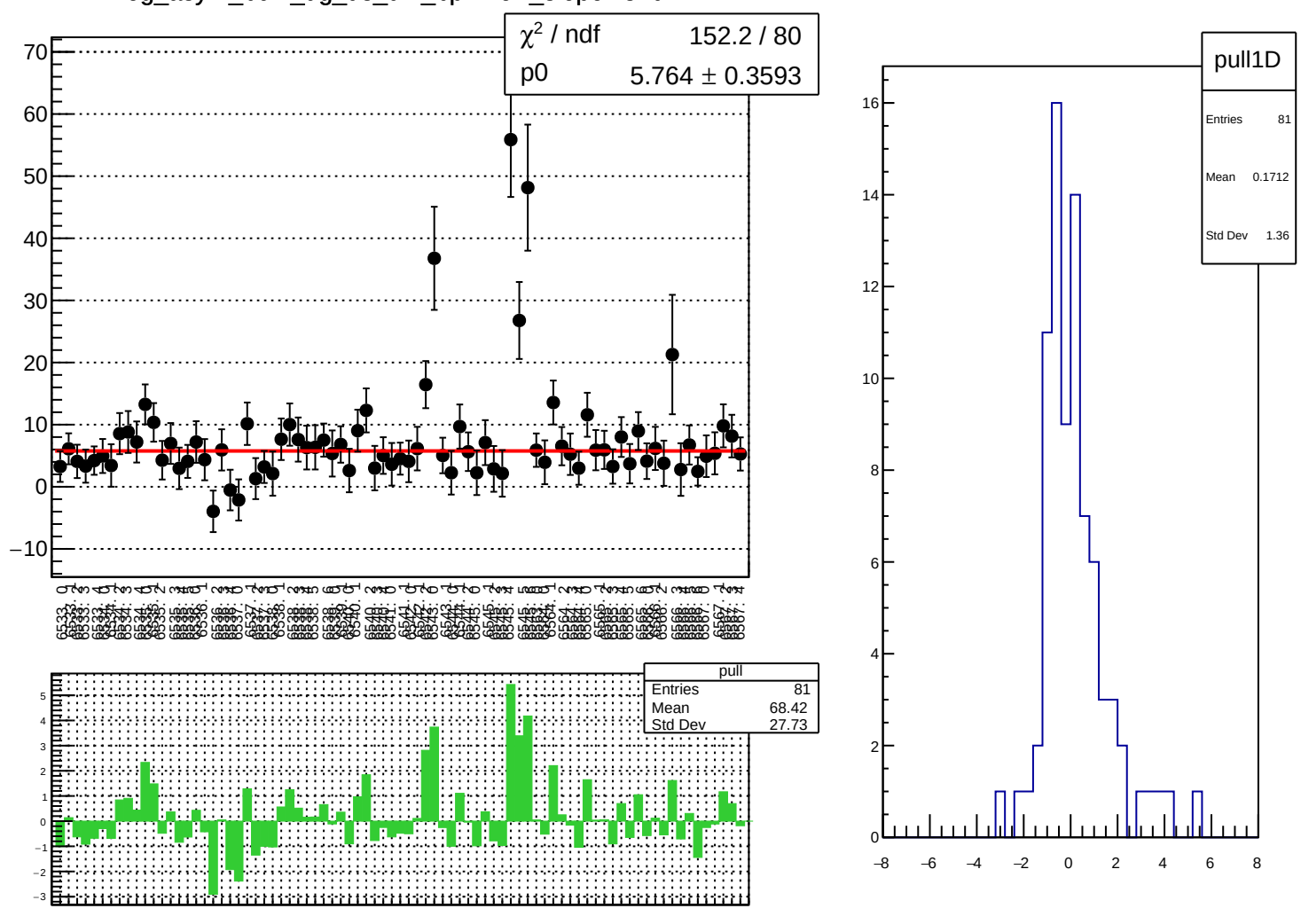

pull1D
Entries 81
Mean 0.1788
Std Dev 1.393

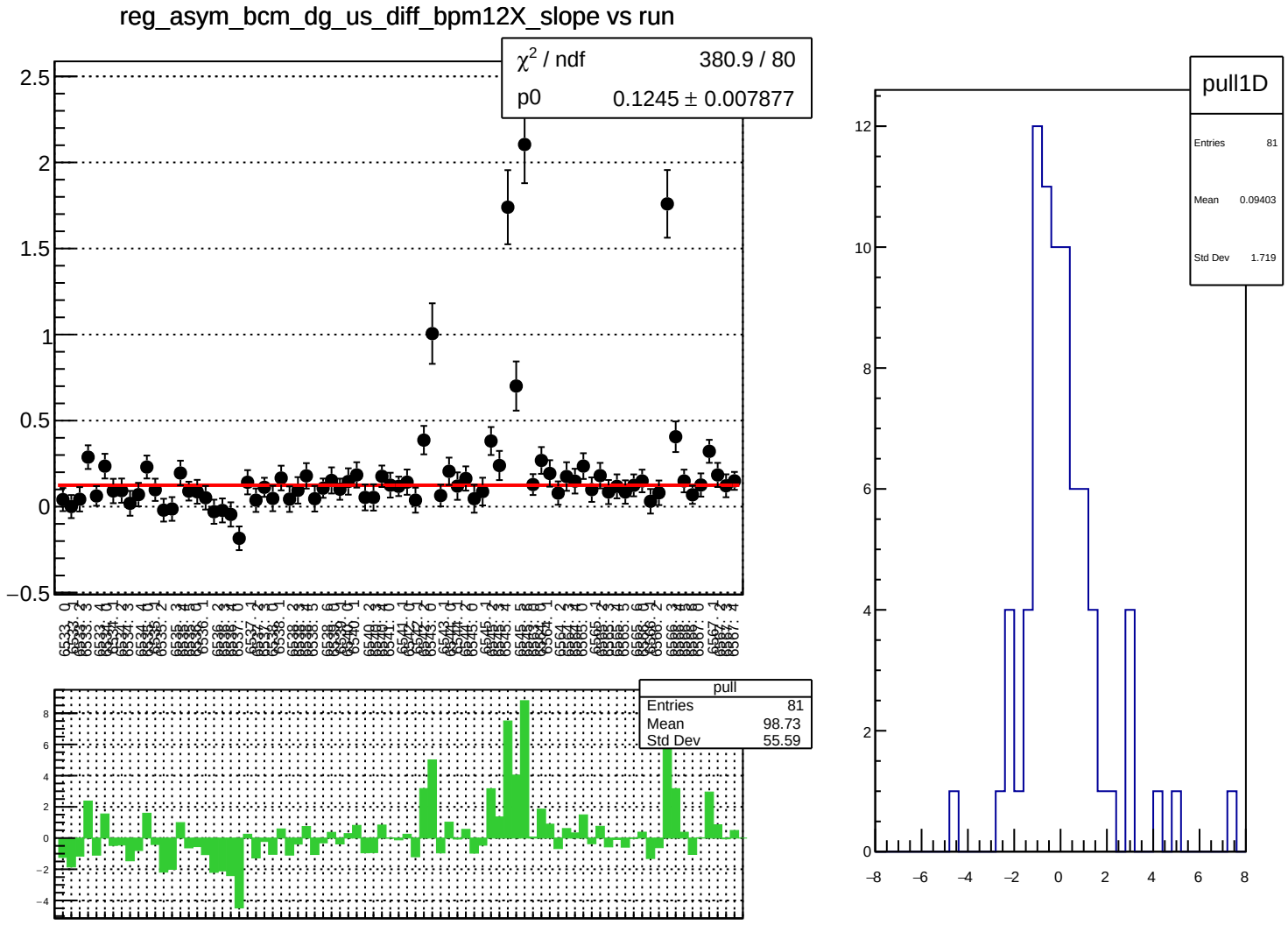

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 355.9 / 80
p0 0.1218 ± 0.007706
pull
Entries 81
Mean 98.51
Std Dev 57.28
pull1D
Entries 81
Mean 0.09134
Std Dev 1.663


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1014 / 80
p0 −6.252 ± 0.2063
pull
Entries 81
Mean 45.06
Std Dev 19.19
pull1D
Entries 81
Mean 0.05893
Std Dev 1.84


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 170.7 / 80
p0 −6.94 ± 0.3729
pull
Entries 81
Mean 71.18
Std Dev 29.88
pull1D
Entries 81
Mean −0.1882
Std Dev 1.439


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 990.6 / 80
p0 6.674 ± 0.2232
pull
Entries 81
Mean 43.37
Std Dev 18.28
pull1D
Entries 81
Mean −0.04767
Std Dev 1.828


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 152.2 / 80
p0 5.764 ± 0.3593
pull
Entries 81
Mean 68.42
Std Dev 27.73
pull1D
Entries 81
Mean 0.1712
Std Dev 1.36


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 380.9 / 80
p0 0.1245 ± 0.007877
pull
Entries 81
Mean 98.73
Std Dev 55.59
pull1D
Entries 81
Mean 0.09403
Std Dev 1.719