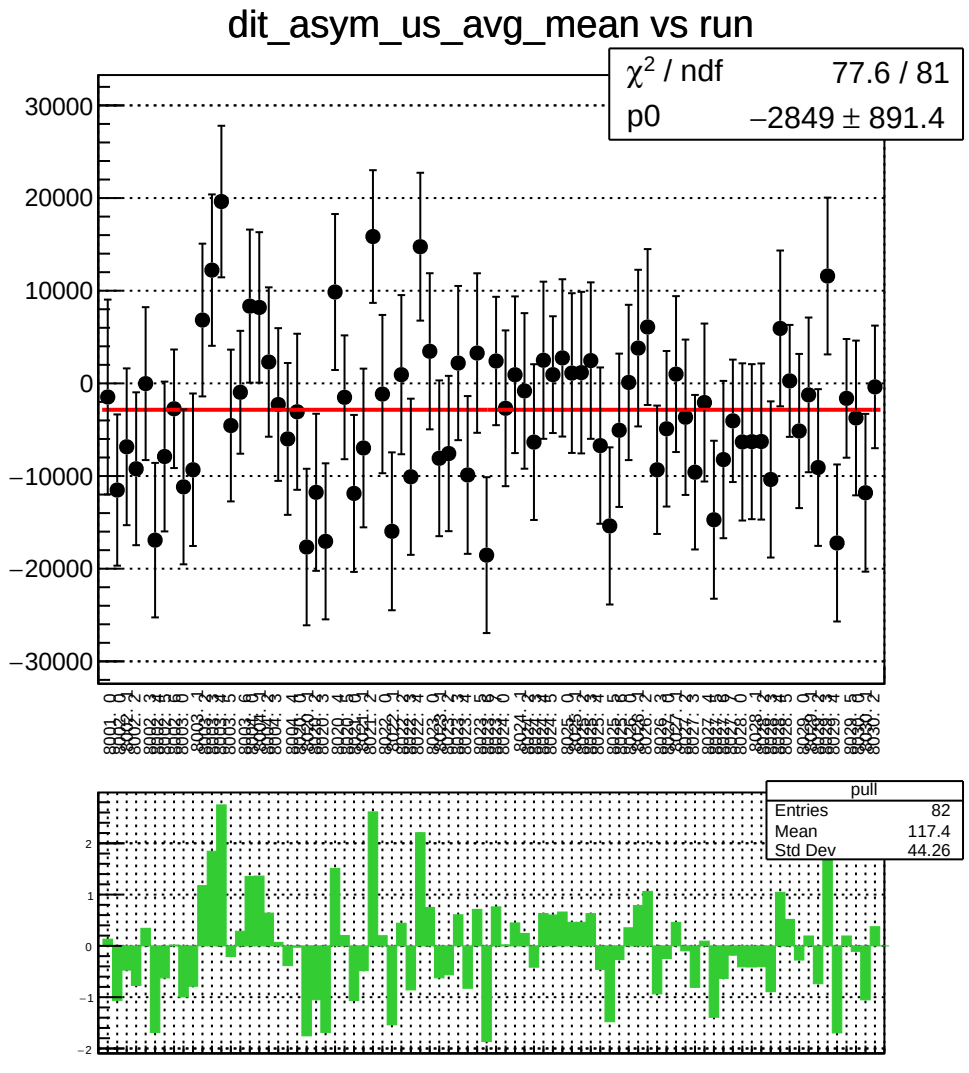
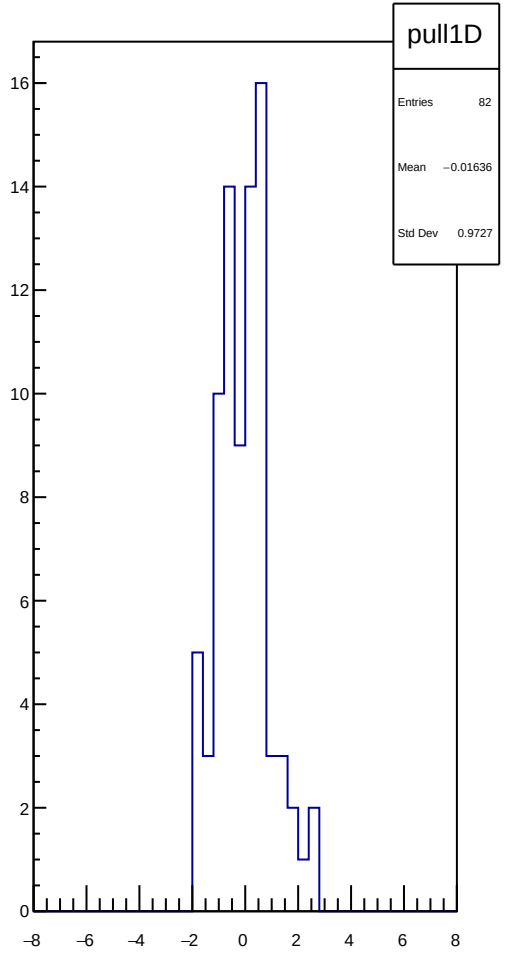
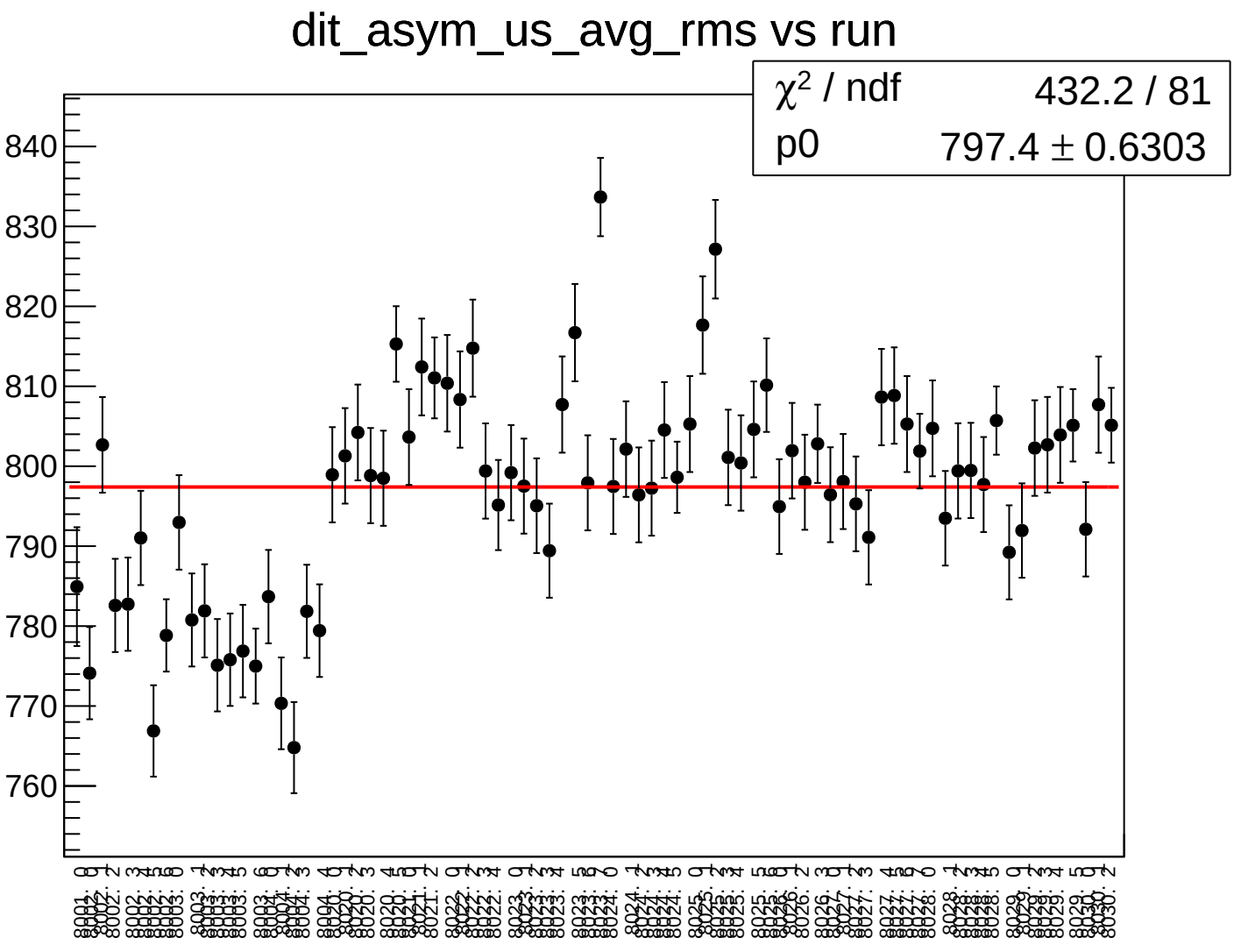
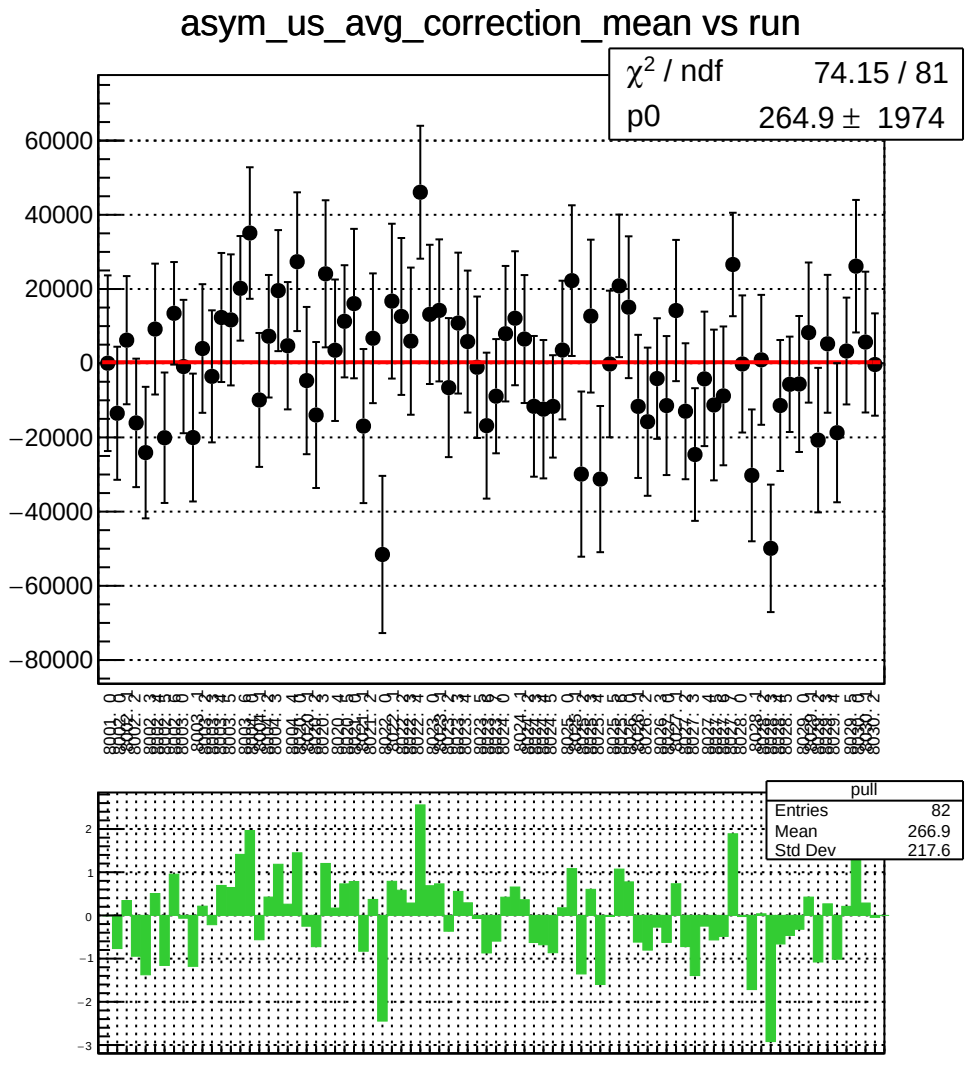
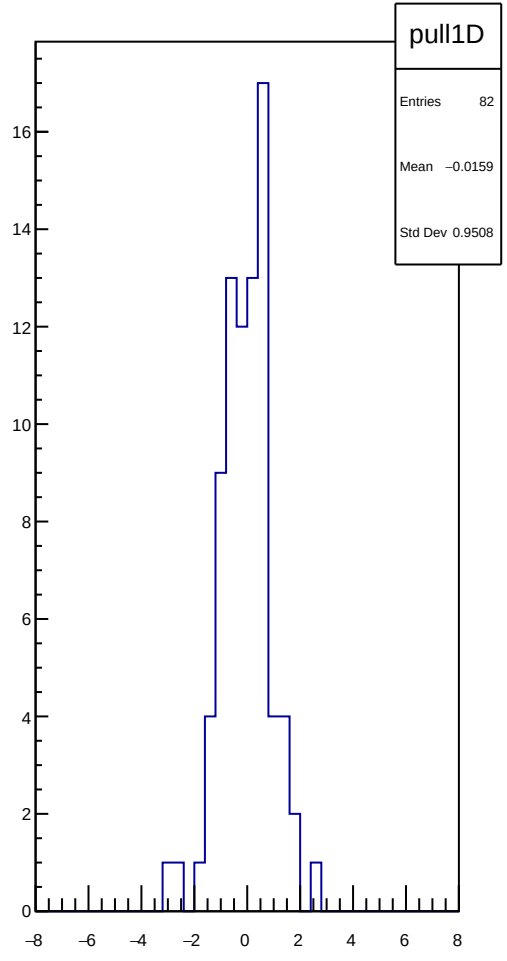
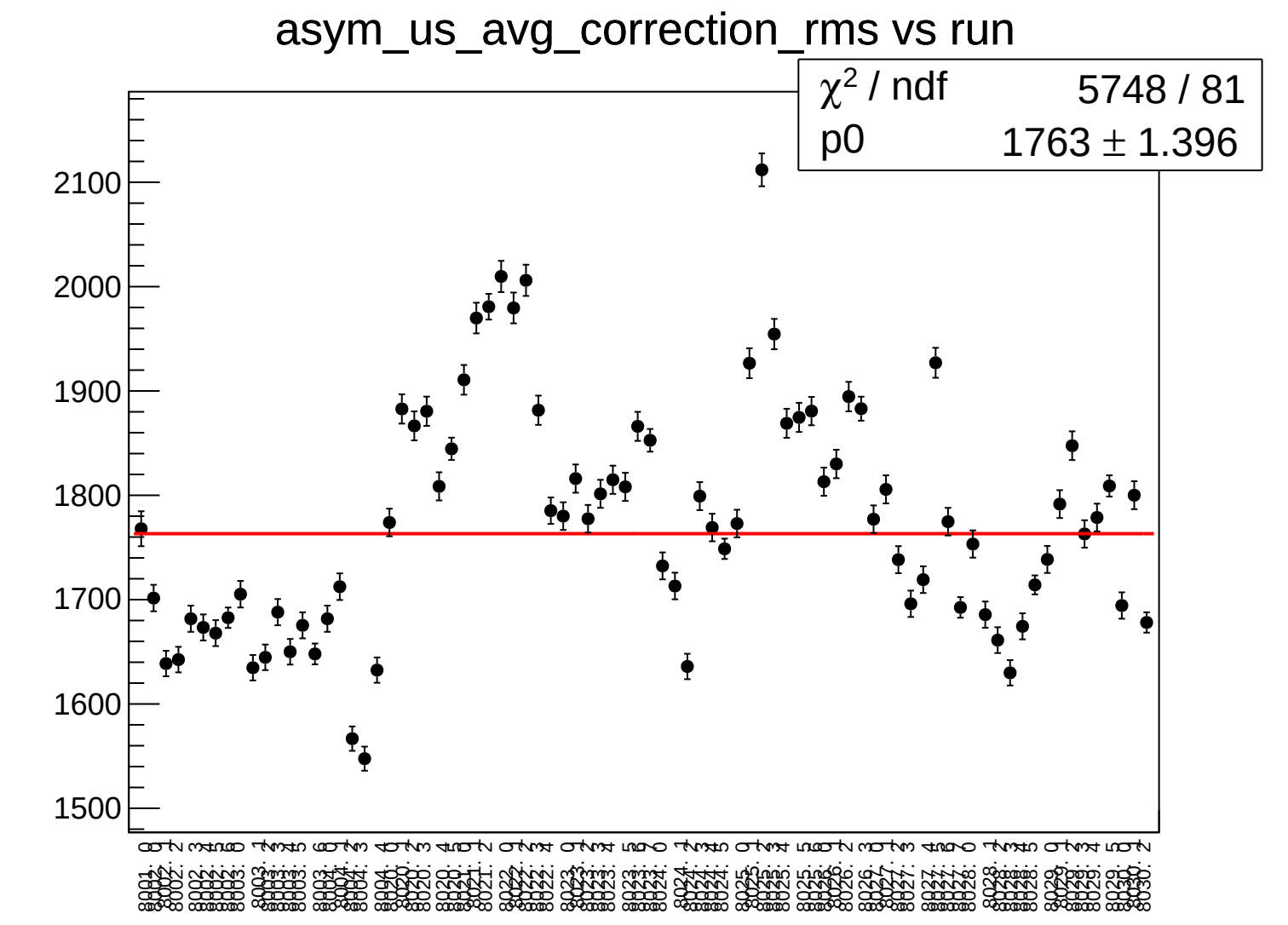

dit_asym_us_avg_mean vs run
χ² / ndf 77.6 / 81
p0 −2849 ± 891.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 117.4
Std Dev 44.26
2
1
0
−1
−2

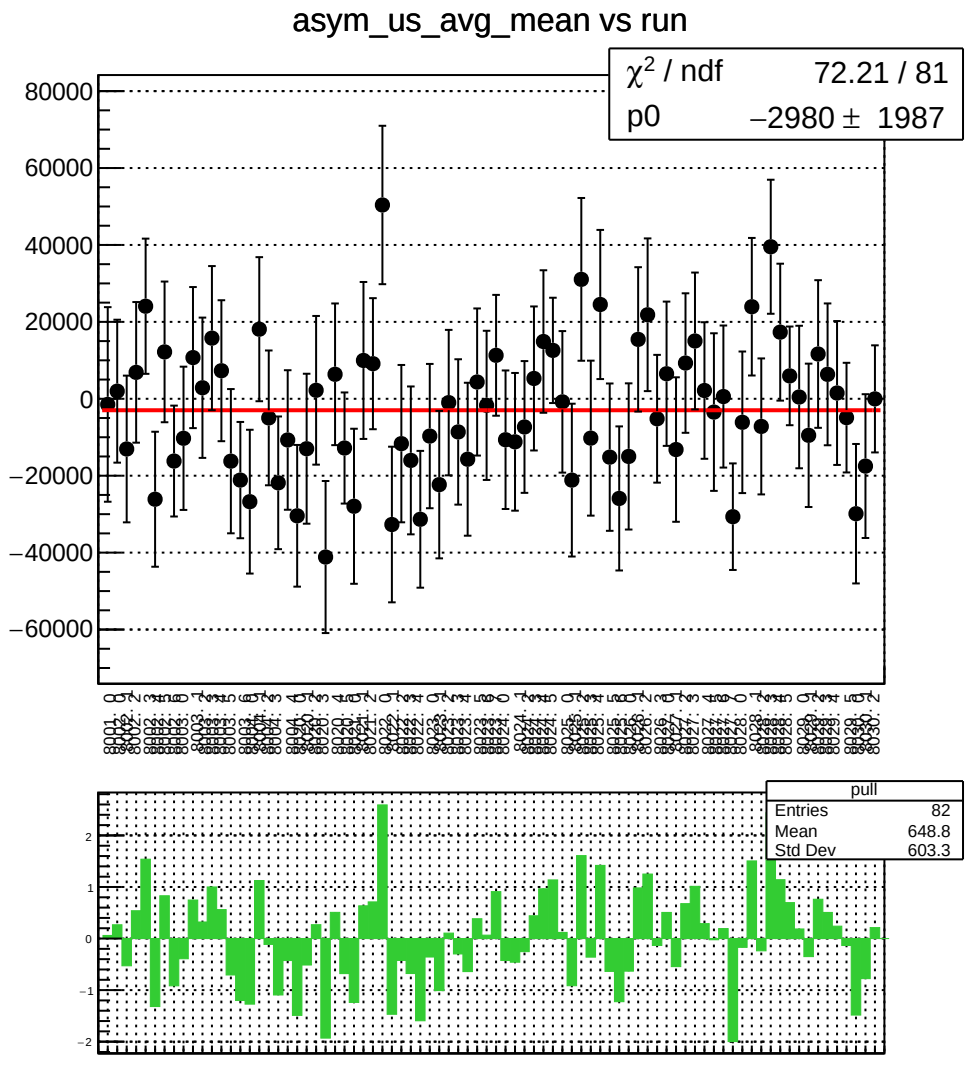

pull1D
Entries 82
Mean −0.01636
Std Dev 0.9727
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

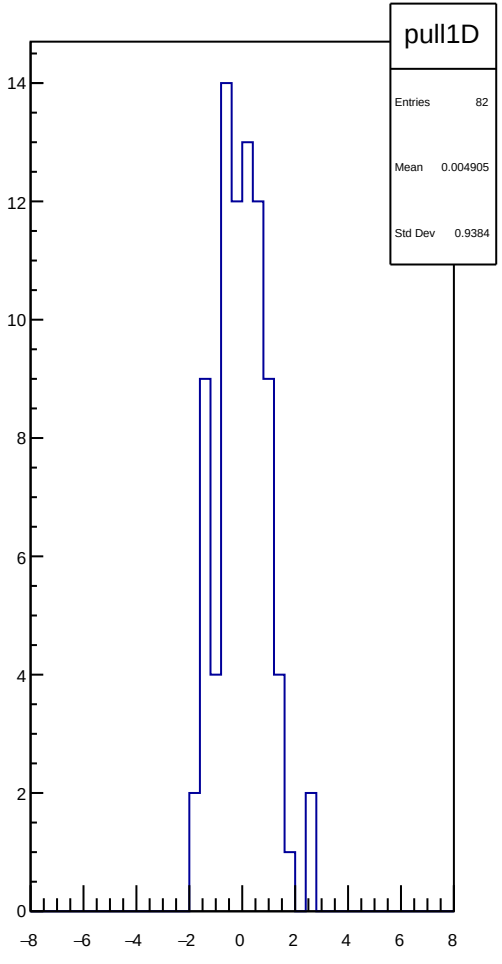

dit_asym_us_avg_rms vs run
χ² / ndf 432.2 / 81
p0 797.4 ± 0.6303
840
830
820
810
800
790
780
770
760

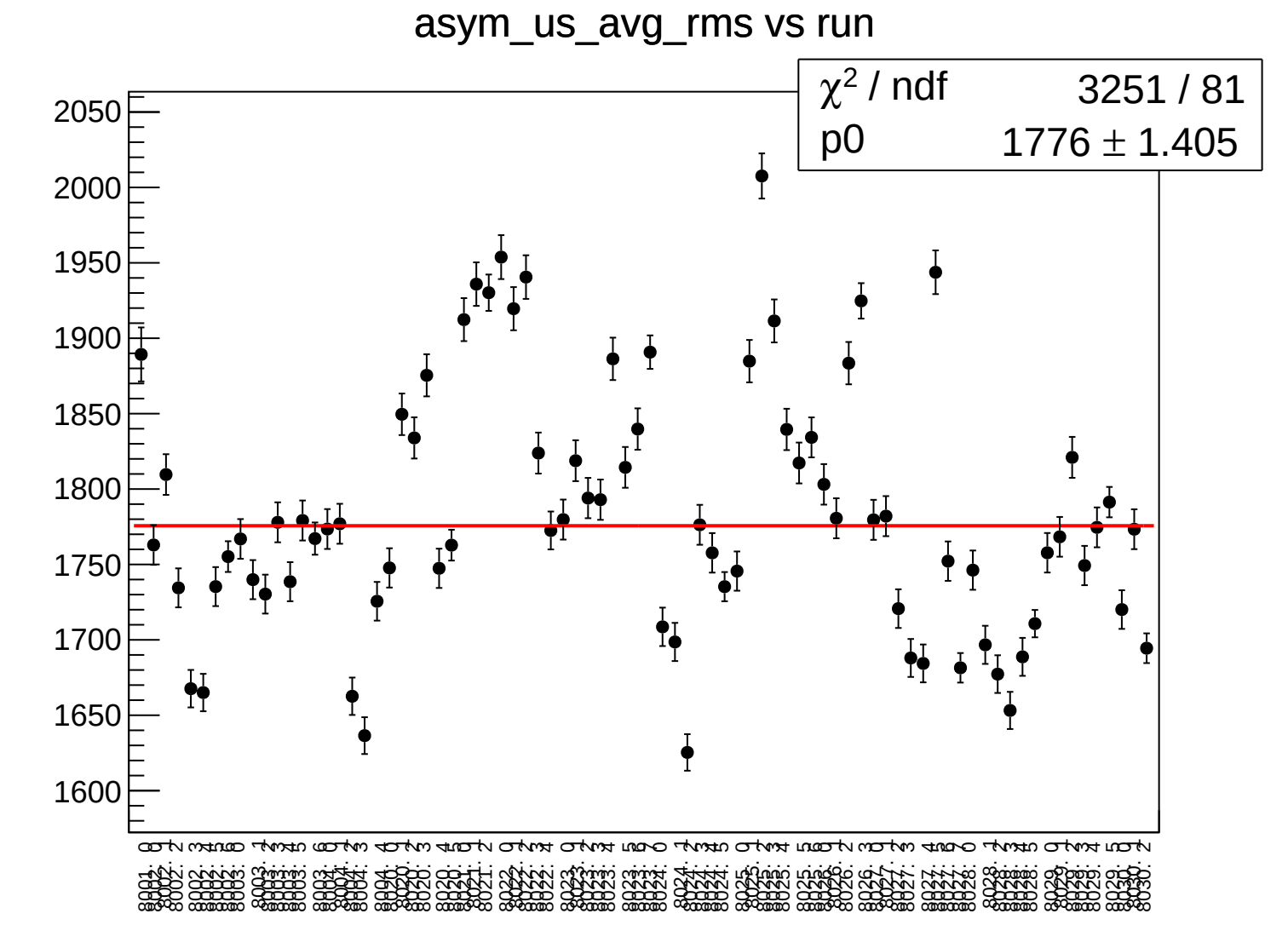

asym_us_avg_correction_mean vs run
χ² / ndf 74.15 / 81
p0 264.9 ± 1974
pull
Entries 82
Mean 266.9
Std Dev 217.6

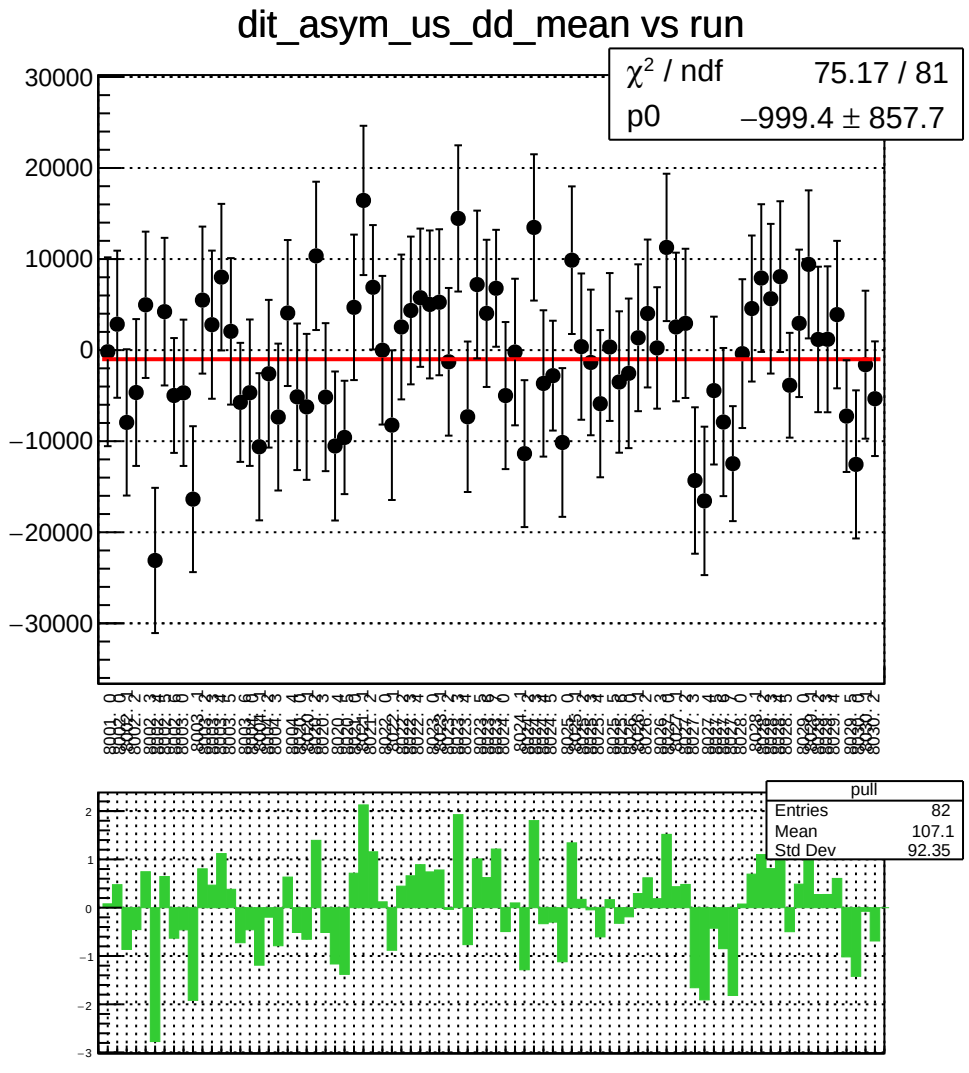

pull1D
Entries 82
Mean −0.0159
Std Dev 0.9508

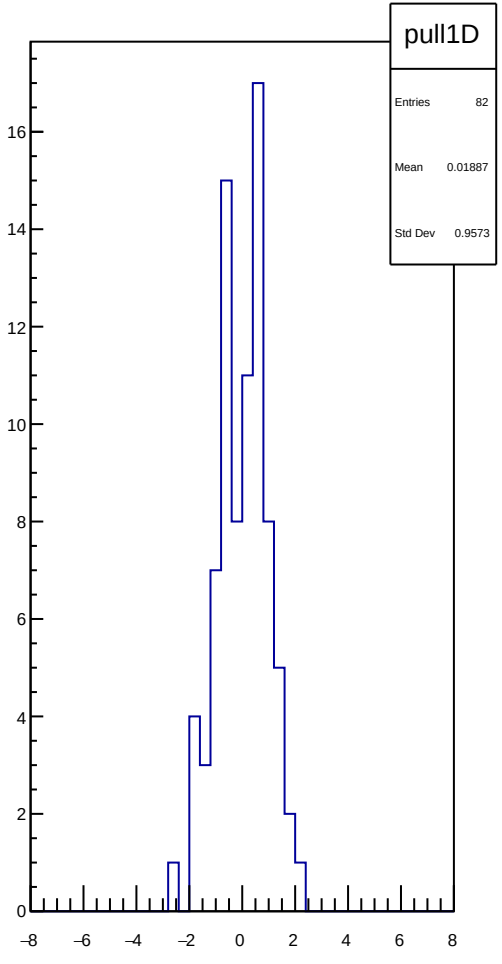

asym_us_avg_correction_rms vs run
χ² / ndf 5748 / 81
p0 1763 ± 1.396
2100
2000
1900
1800
1700
1600
1500

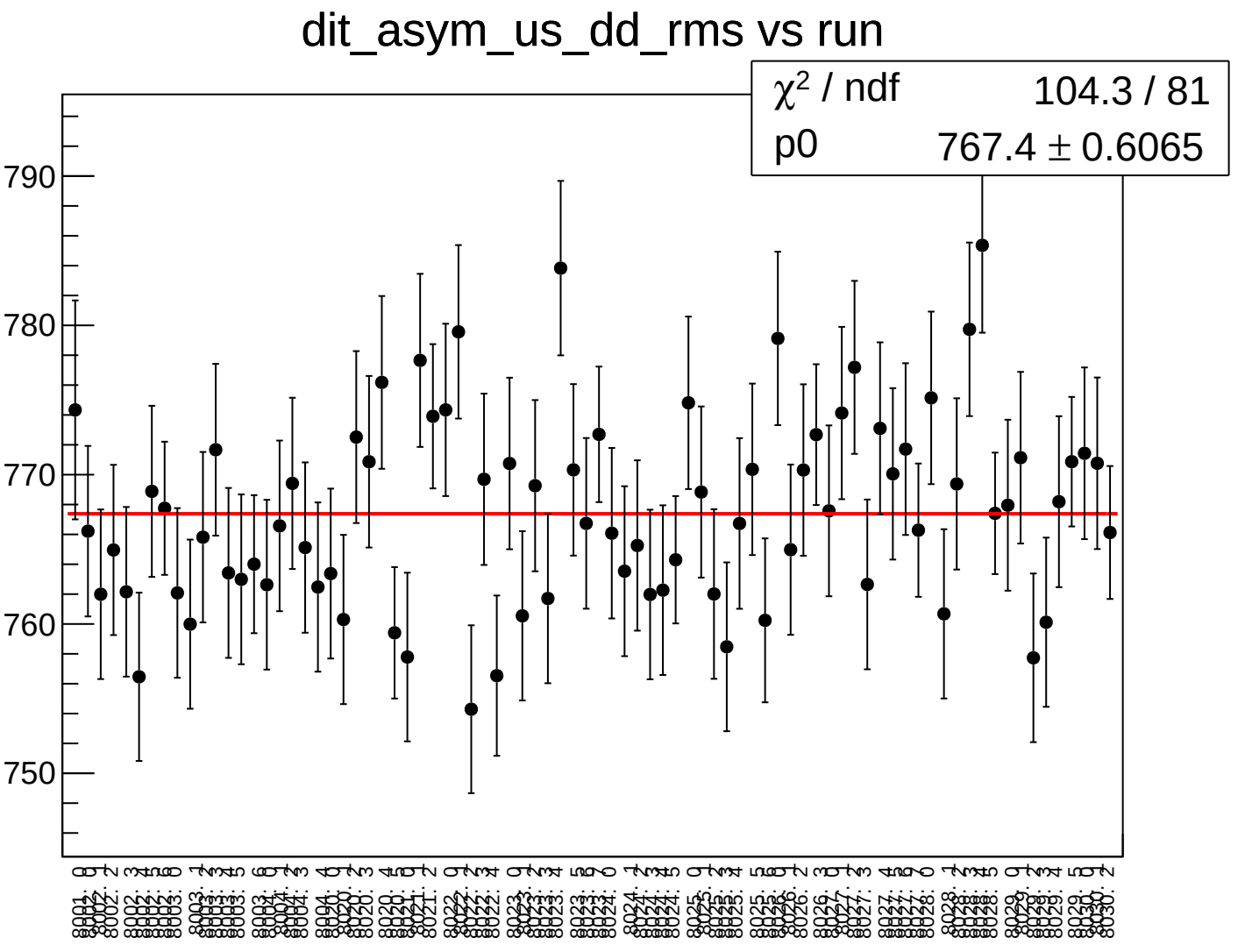

asym_us_avg_mean vs run
χ² / ndf 72.21 / 81
p0 −2980 ± 1987
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 648.8
Std Dev 603.3
2
1
0
−1
−2

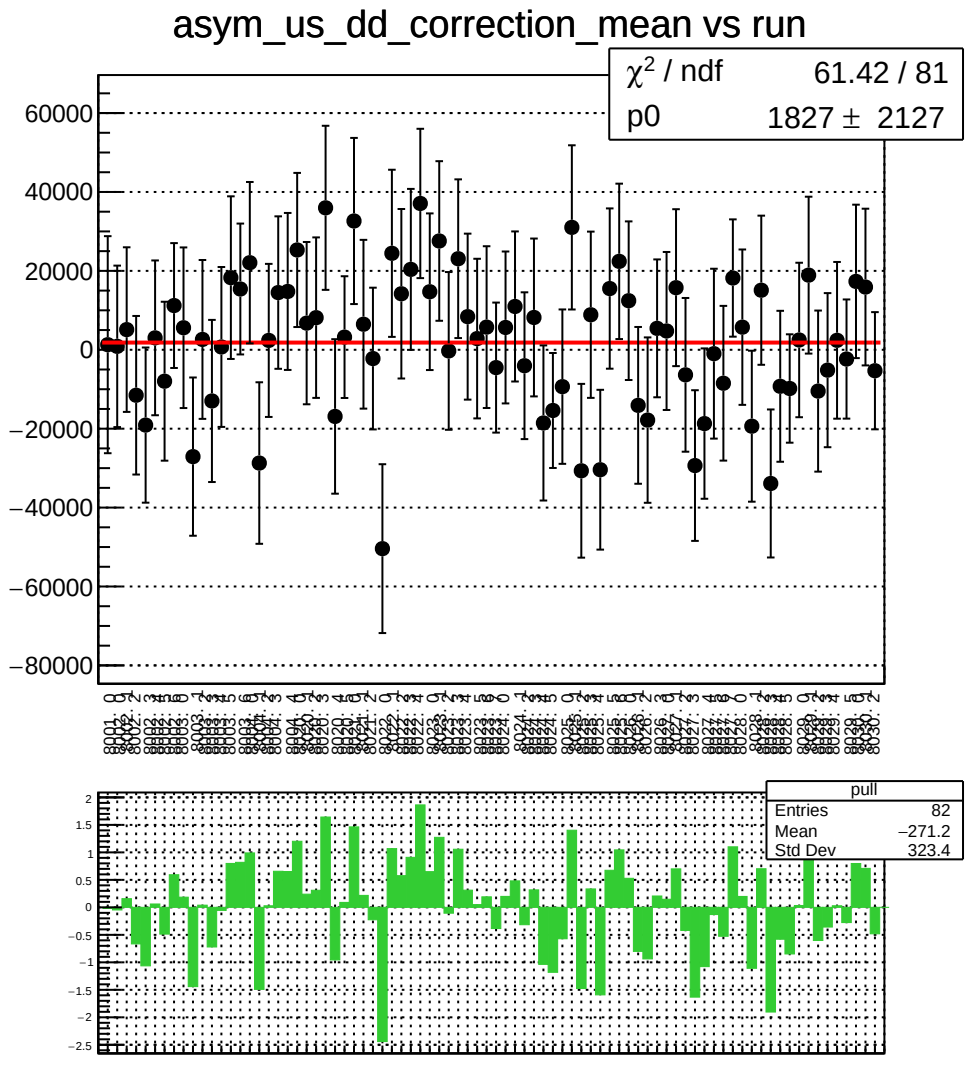

pull1D
Entries 82
Mean 0.004905
Std Dev 0.9384
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

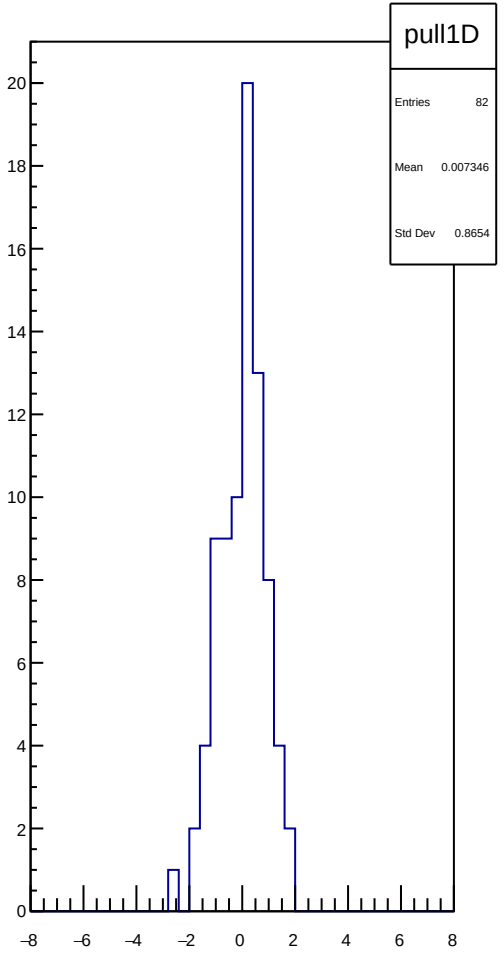

asym_us_avg_rms vs run
χ^2 / ndf 3251 / 81
p0 1776 ± 1.405
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600

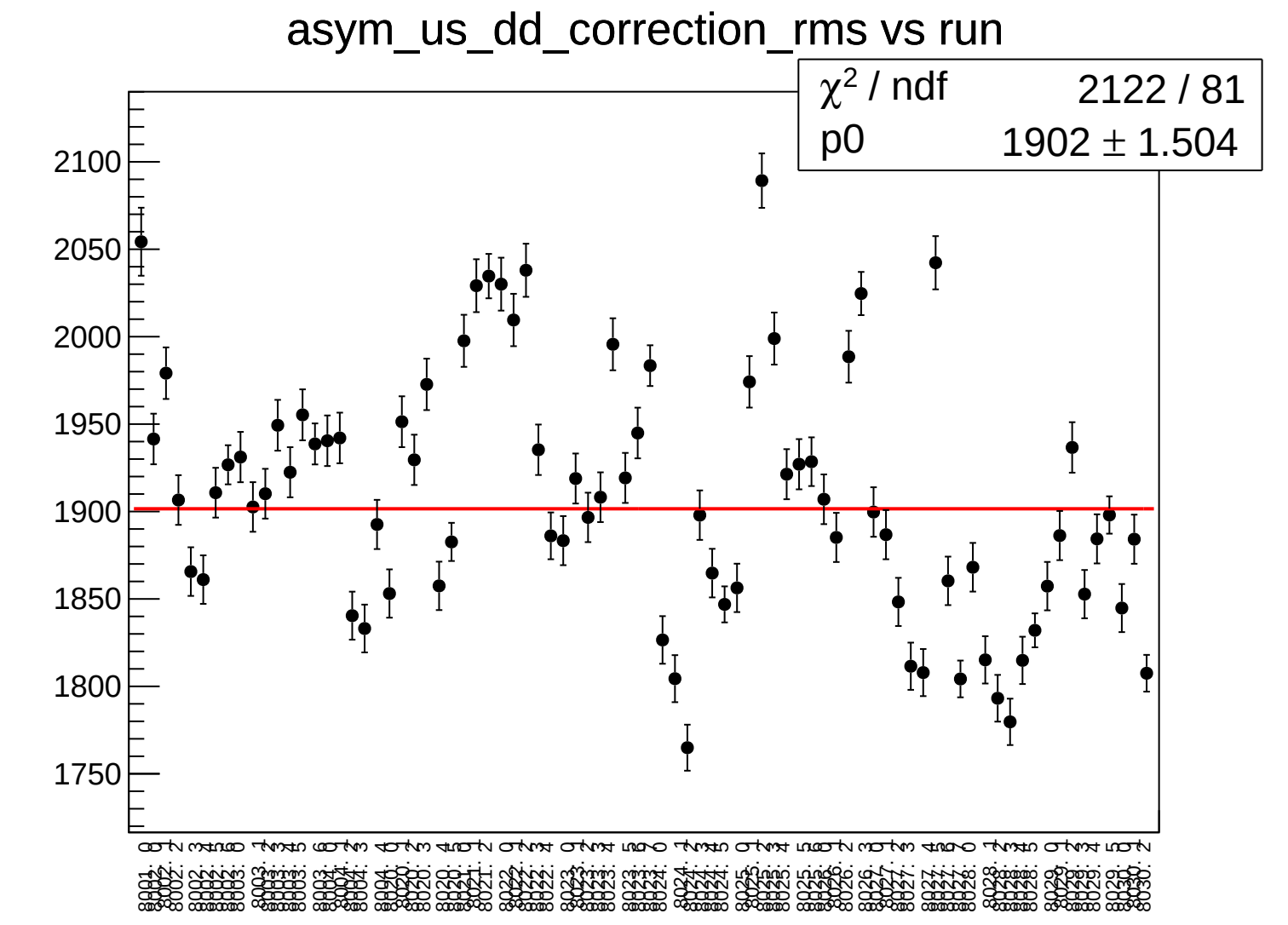

dit_asym_us_dd_mean vs run
χ² / ndf 75.17 / 81
p0 −999.4 ± 857.7
pull
Entries 82
Mean 107.1
Std Dev 92.35

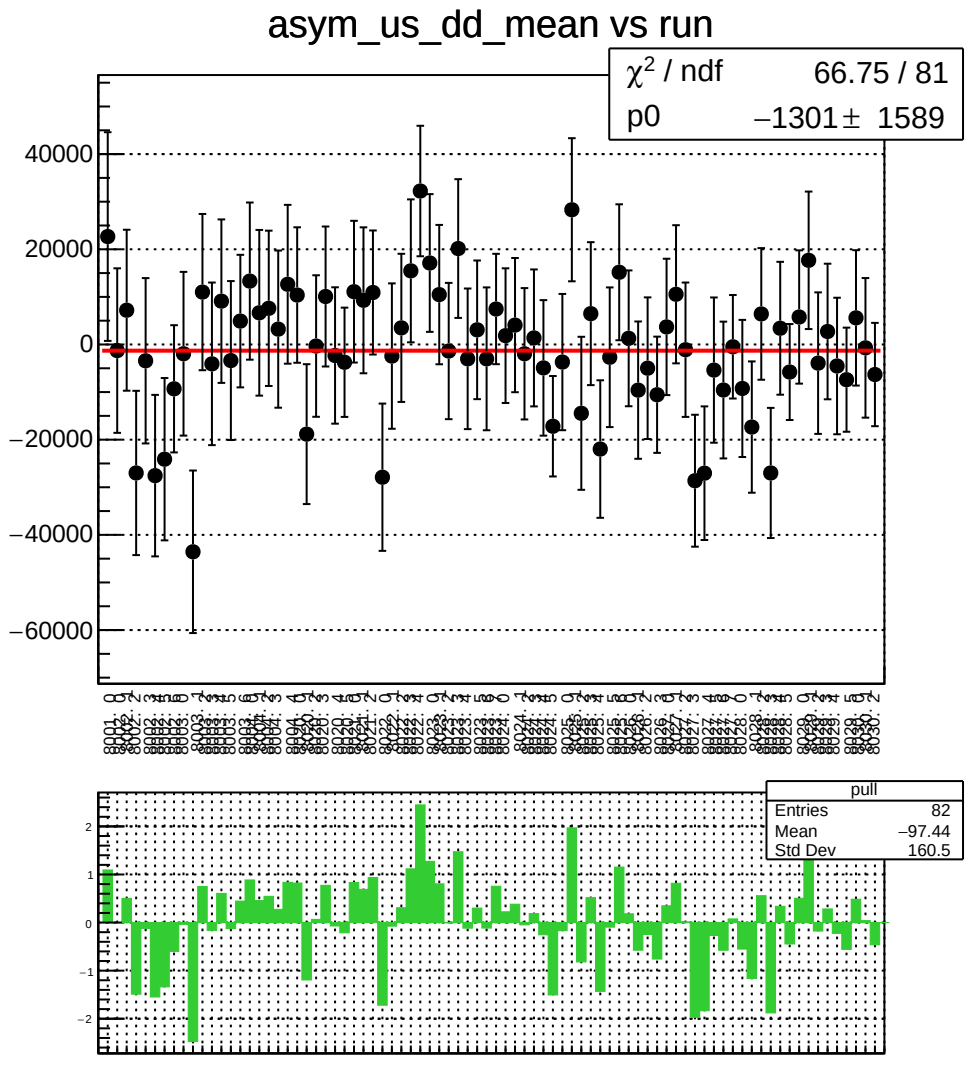

pull1D
Entries 82
Mean 0.01887
Std Dev 0.9573

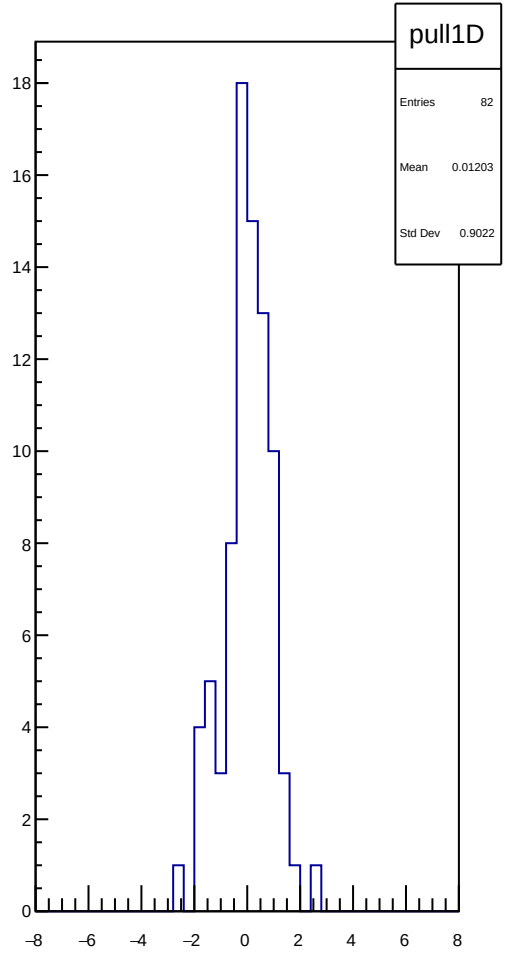

dit_asym_us_dd_rms vs run
χ² / ndf 104.3 / 81
p0 767.4 ± 0.6065
790
780
770
760
750

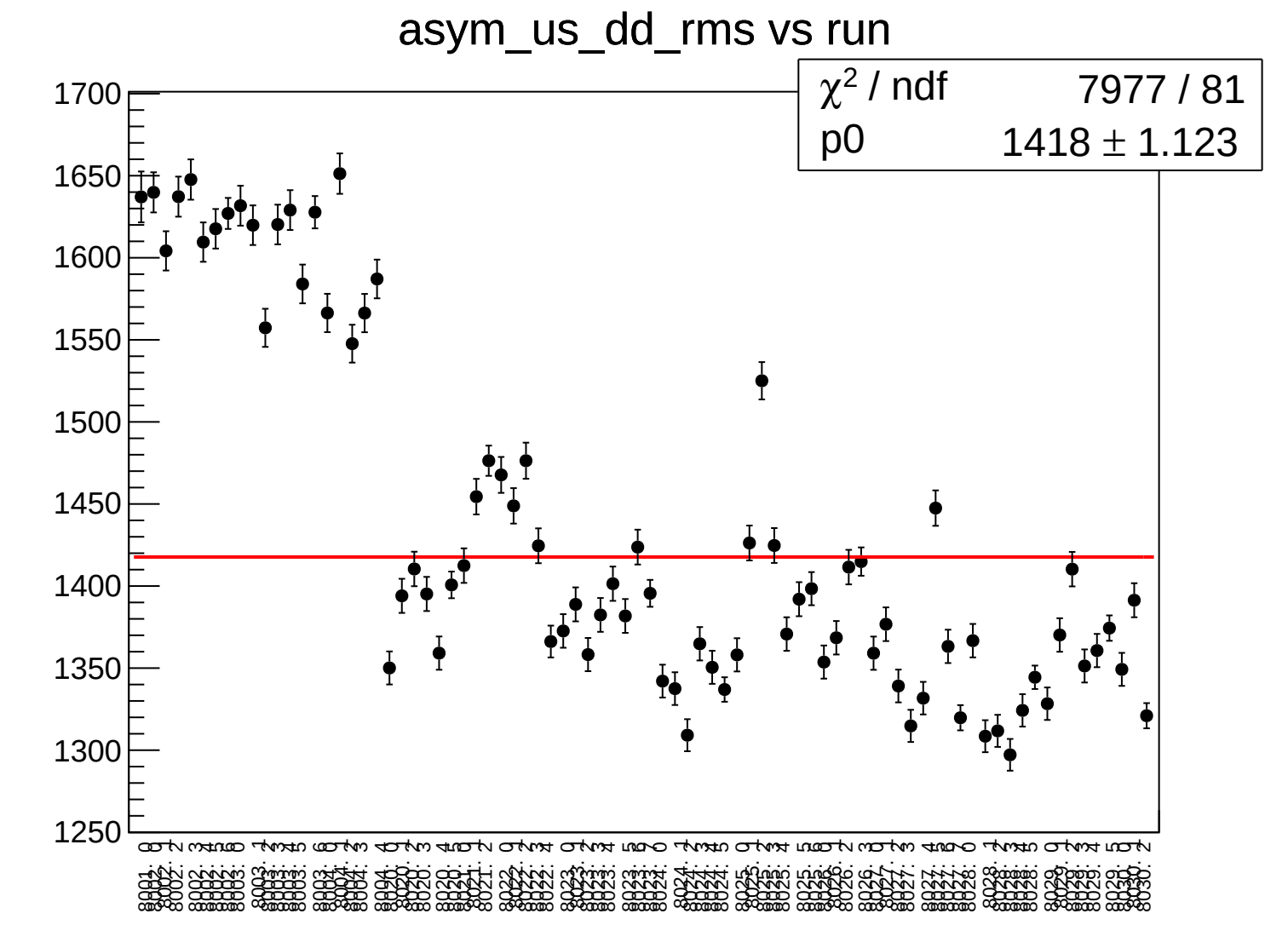

asym_us_dd_correction_mean vs run
χ² / ndf 61.42 / 81
p0 1827 ± 2127
pull
Entries 82
Mean −271.2
Std Dev 323.4

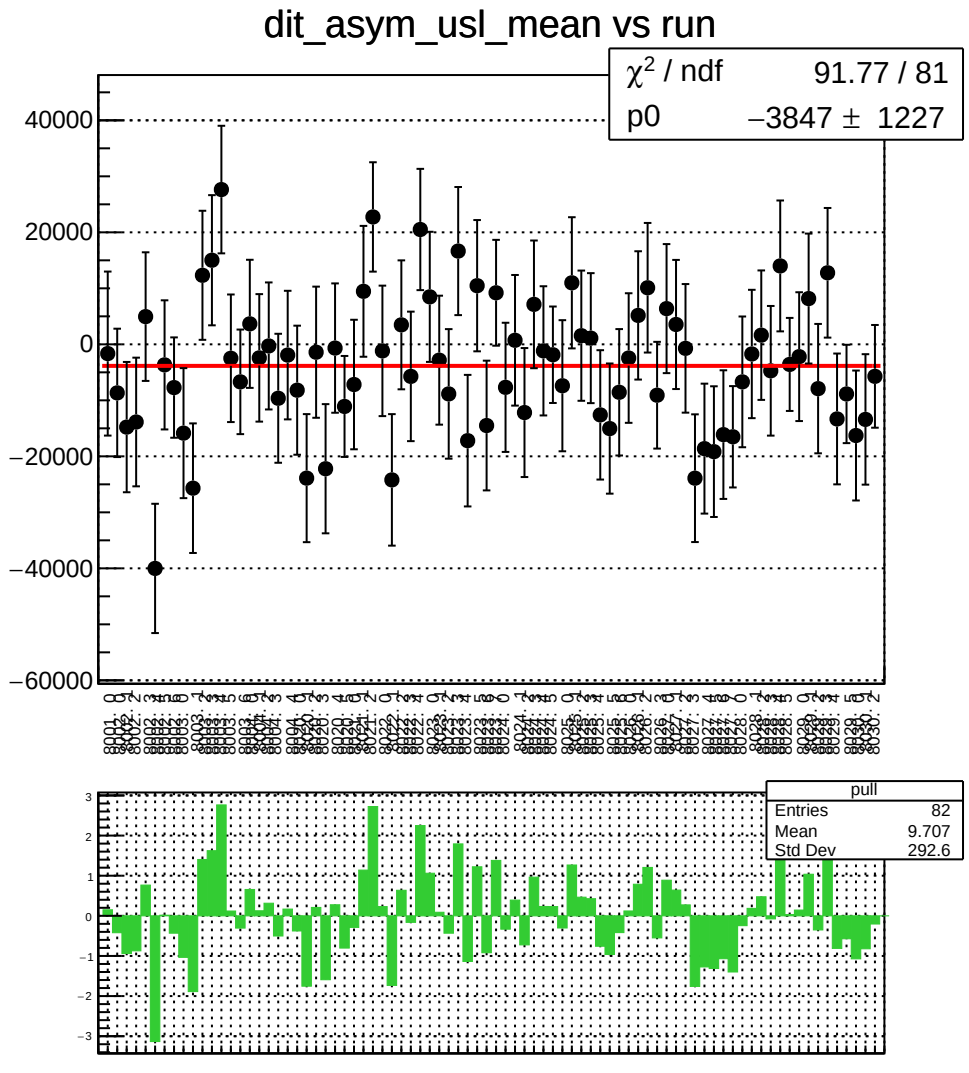

pull1D
Entries 82
Mean 0.007346
Std Dev 0.8654

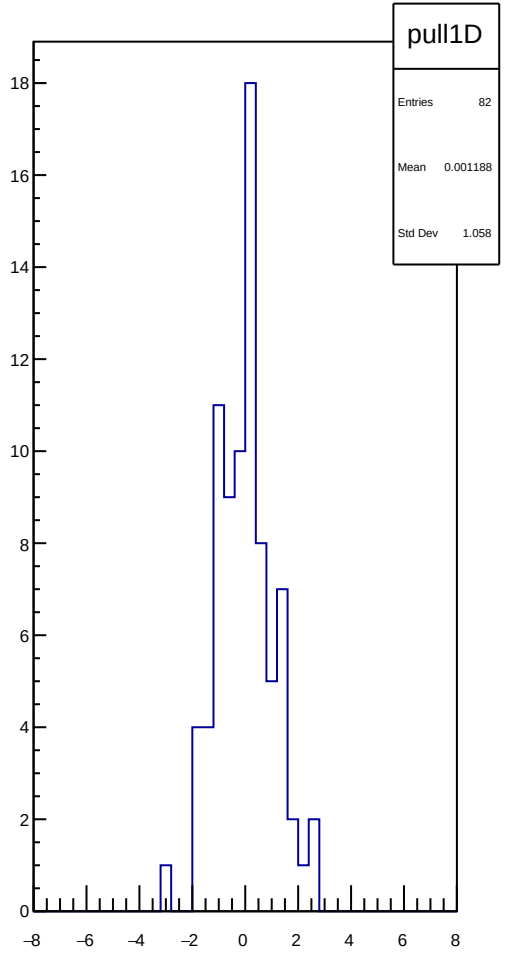

asym_us_dd_correction_rms vs run
χ² / ndf 2122 / 81
p0 1902 ± 1.504
2100
2050
2000
1950
1900
1850
1800
1750

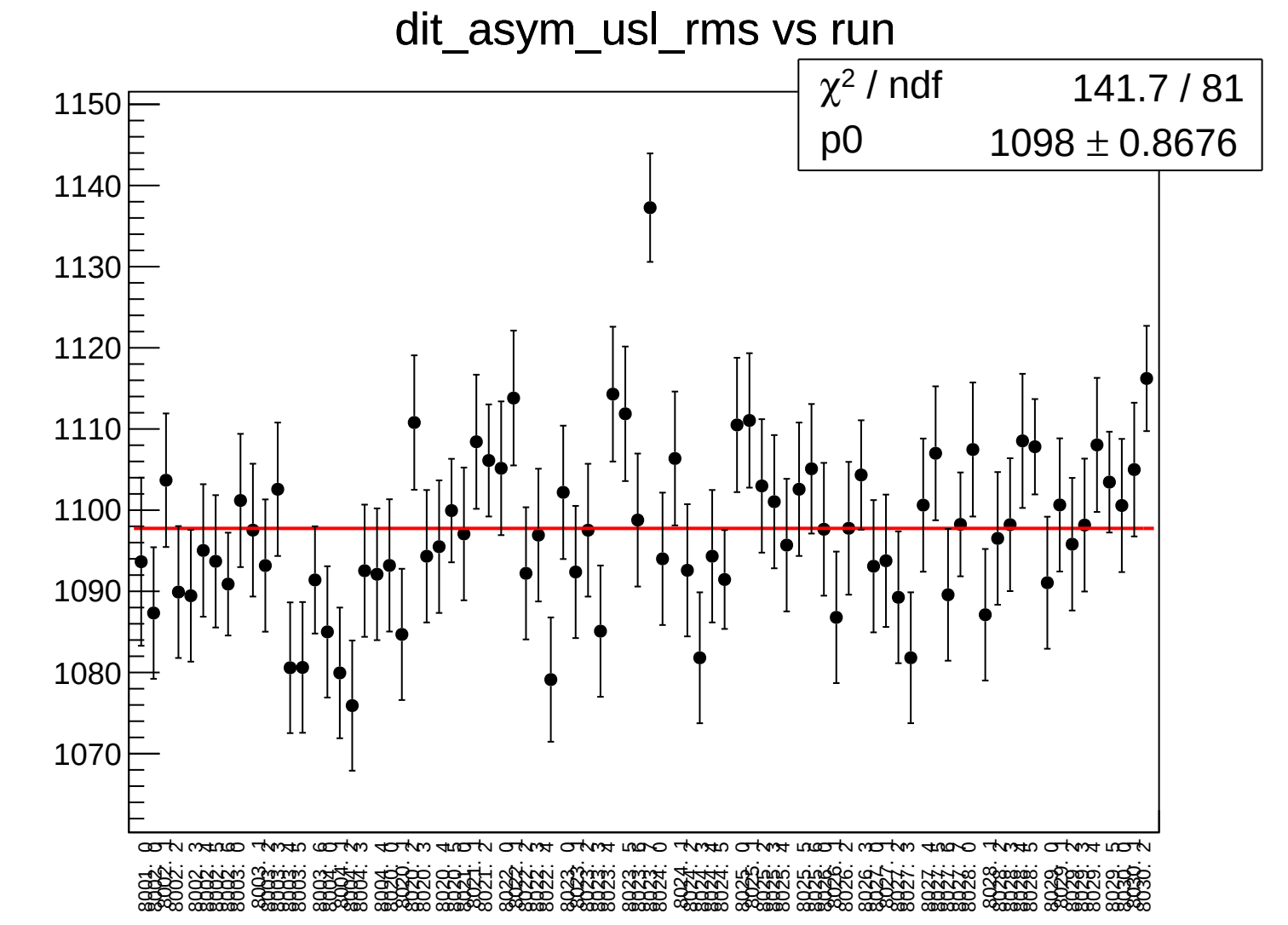

asym_us_dd_mean vs run
χ² / ndf 66.75 / 81
p0 −1301 ± 1589
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −97.44
Std Dev 160.5
2
1
0
−1
−2

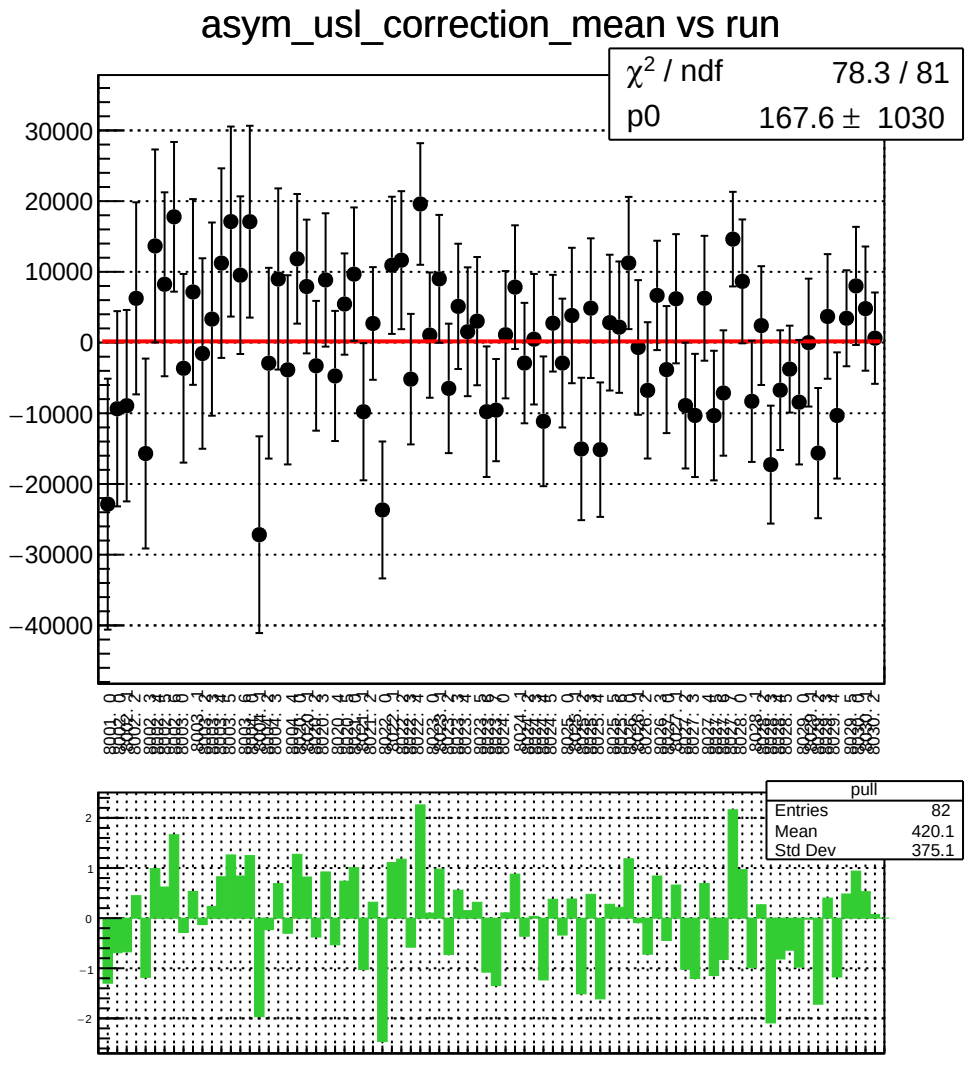

pull1D
Entries 82
Mean 0.01203
Std Dev 0.9022
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

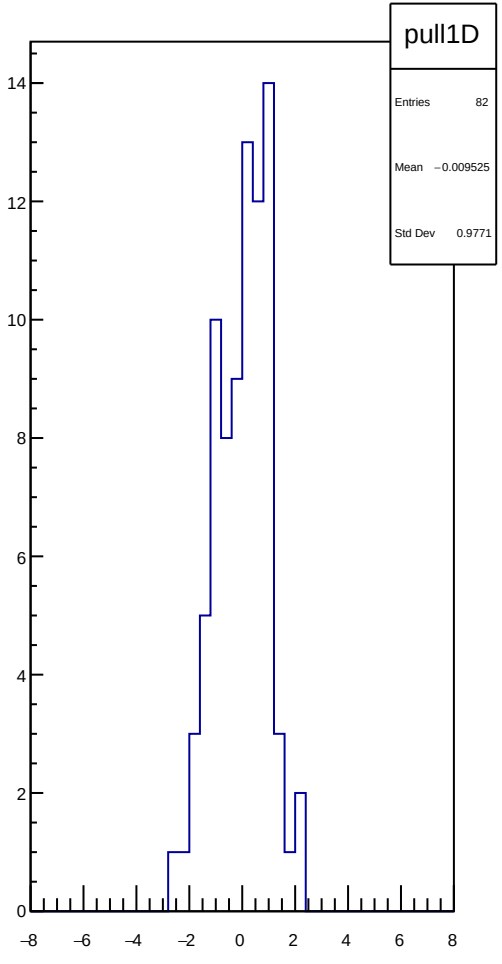

asym_us_dd_rms vs run
χ² / ndf 7977 / 81
p0 1418 ± 1.123
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250


dit_asym_usl_mean vs run
χ² / ndf 91.77 / 81
p0 −3847 ± 1227
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 9.707
Std Dev 292.6
3
2
1
0
−1
−2
−3

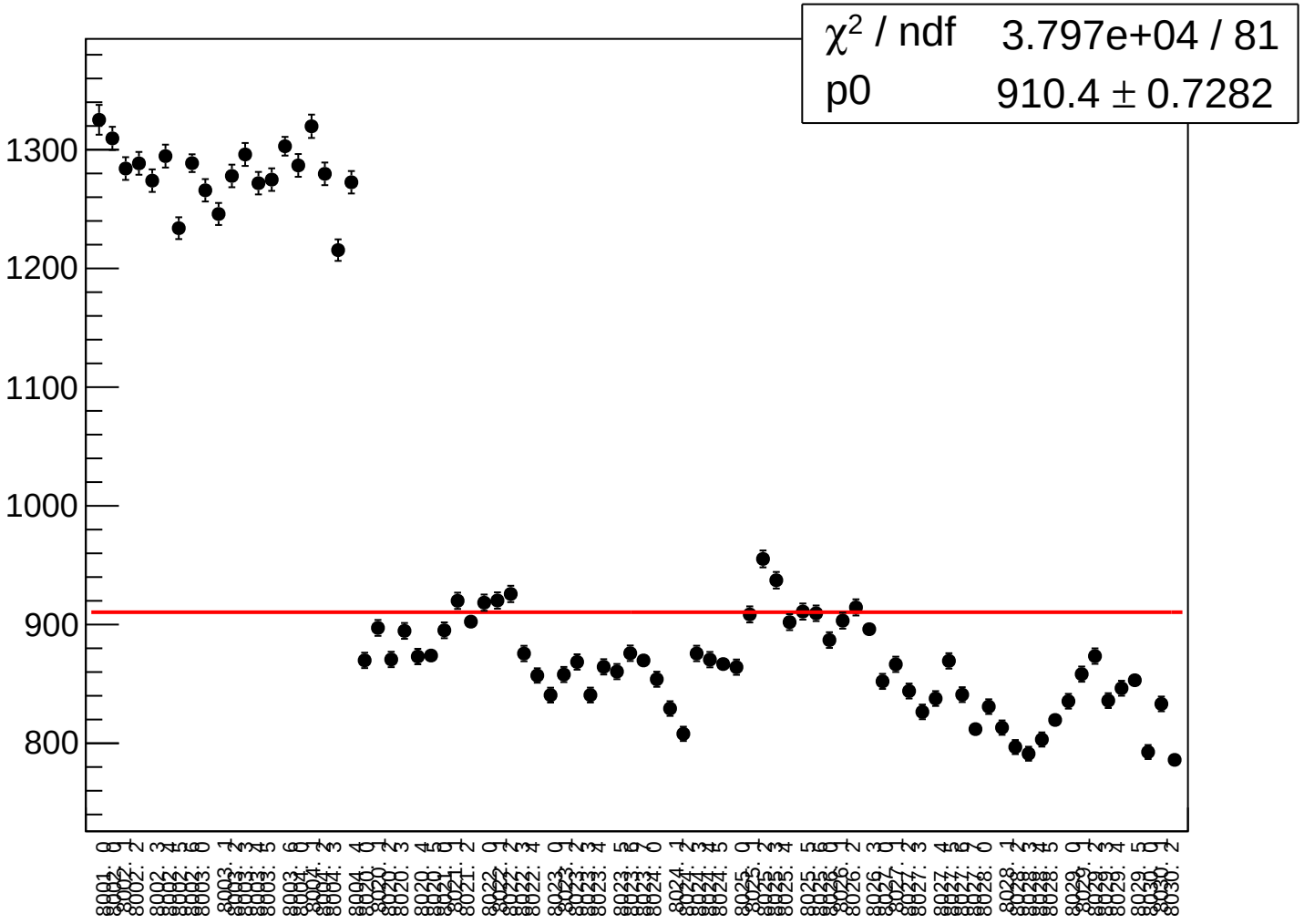

pull1D
Entries 82
Mean 0.001188
Std Dev 1.058
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

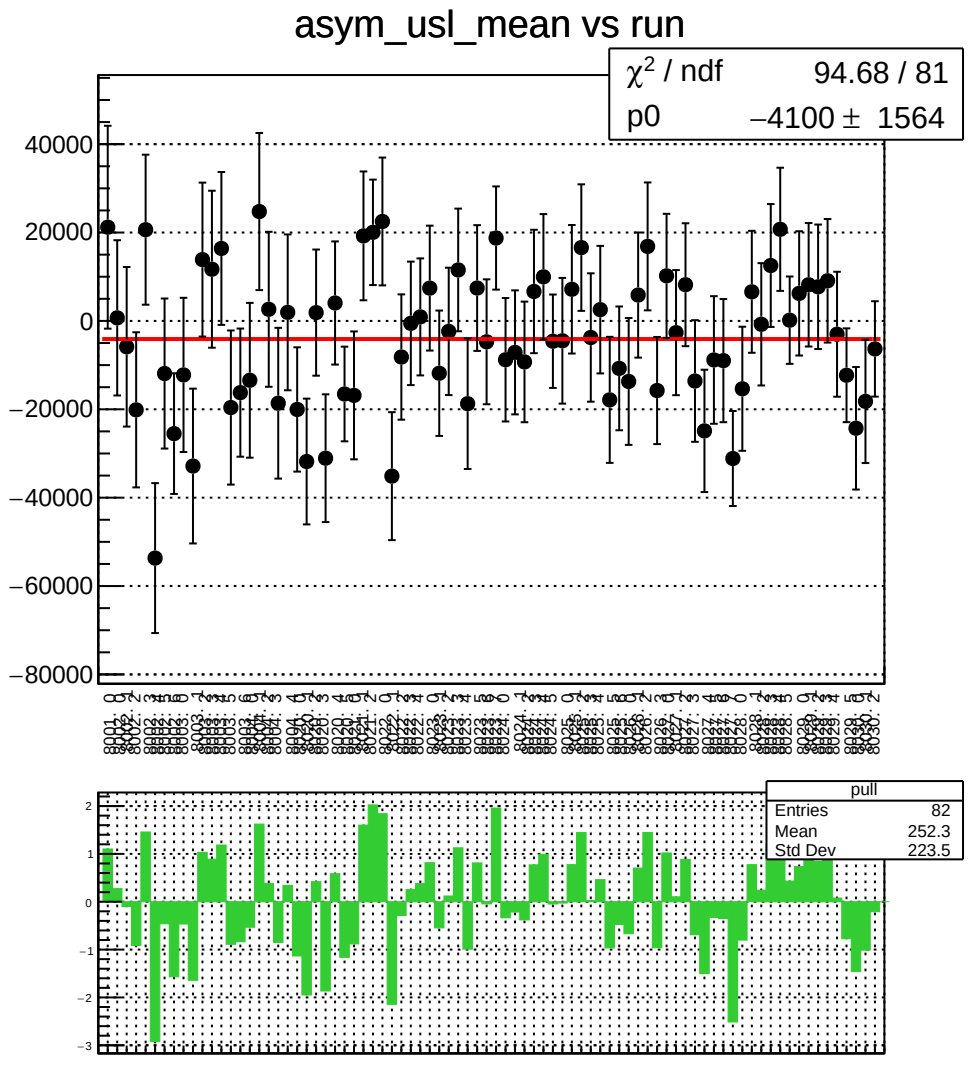

dit_asym_usl_rms vs run
χ² / ndf 141.7 / 81
p0 1098 ± 0.8676
1150
1140
1130
1120
1110
1100
1090
1080
1070

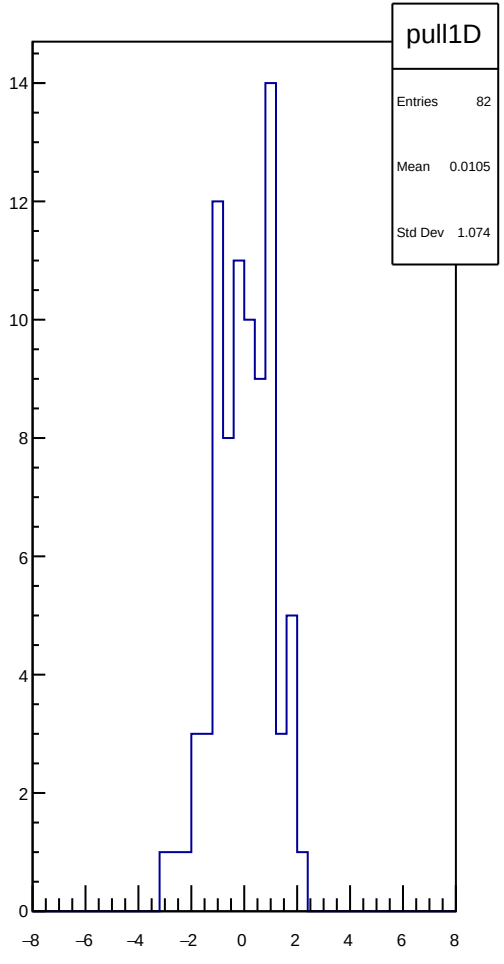

asym_usl_correction_mean vs run
χ² / ndf 78.3 / 81
p0 167.6 ± 1030
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean 420.1
Std Dev 375.1
2
1
0
−1
−2

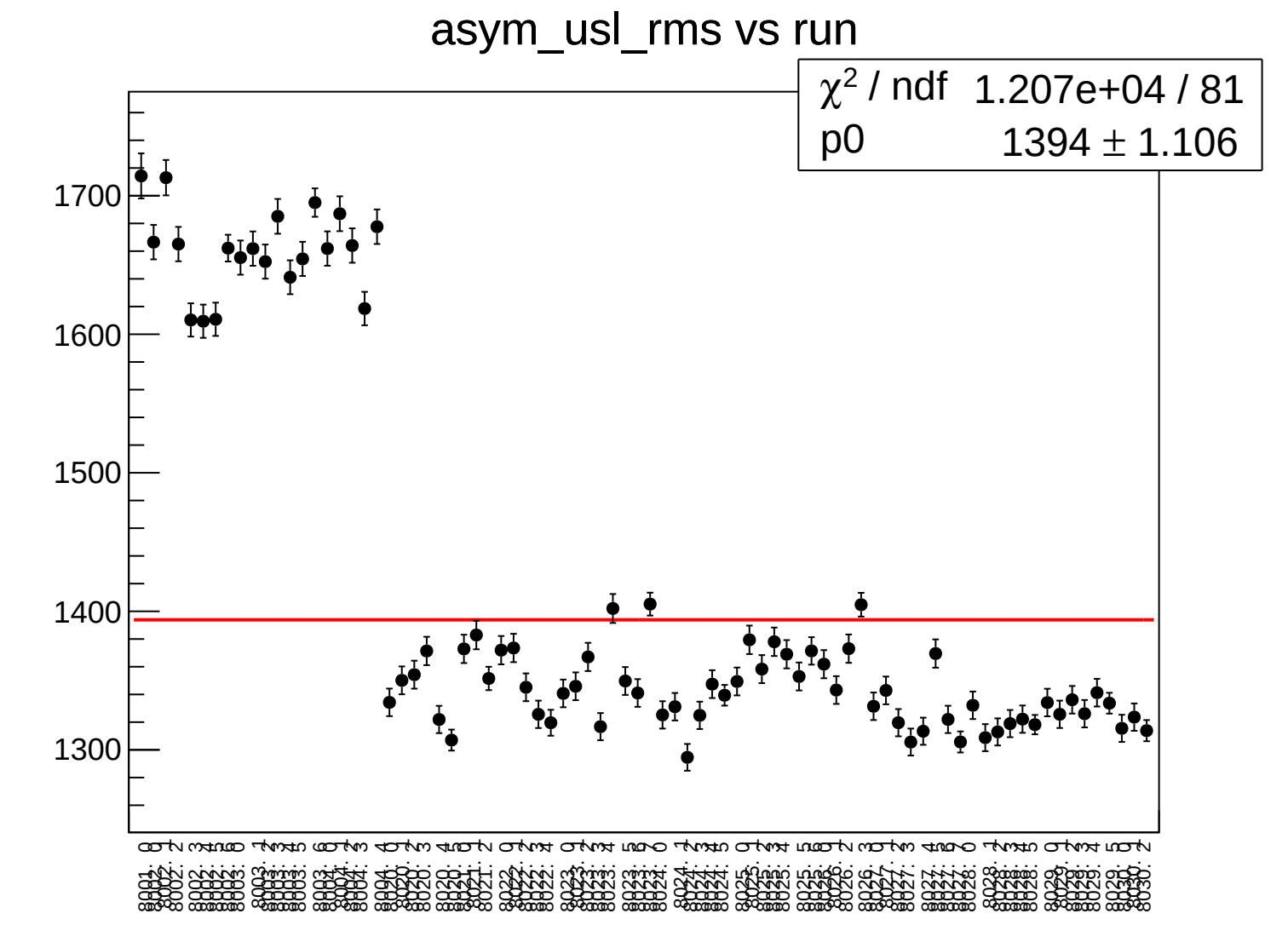

pull1D
Entries 82
Mean −0.009525
Std Dev 0.9771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

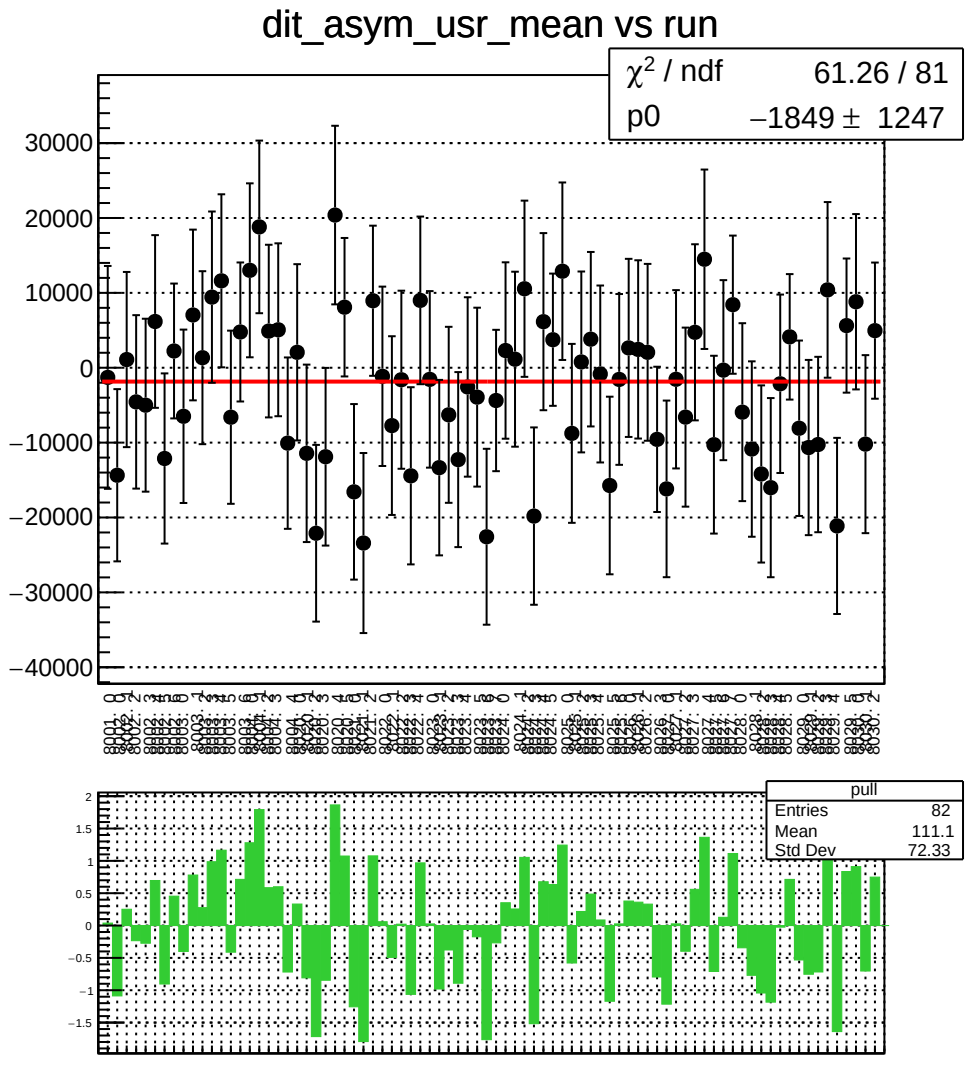
asym_usl_correction_rms vs run

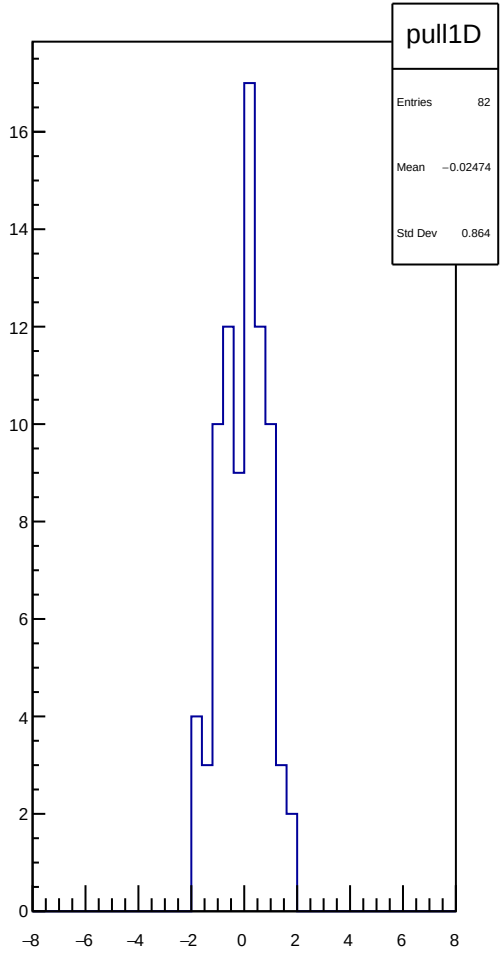


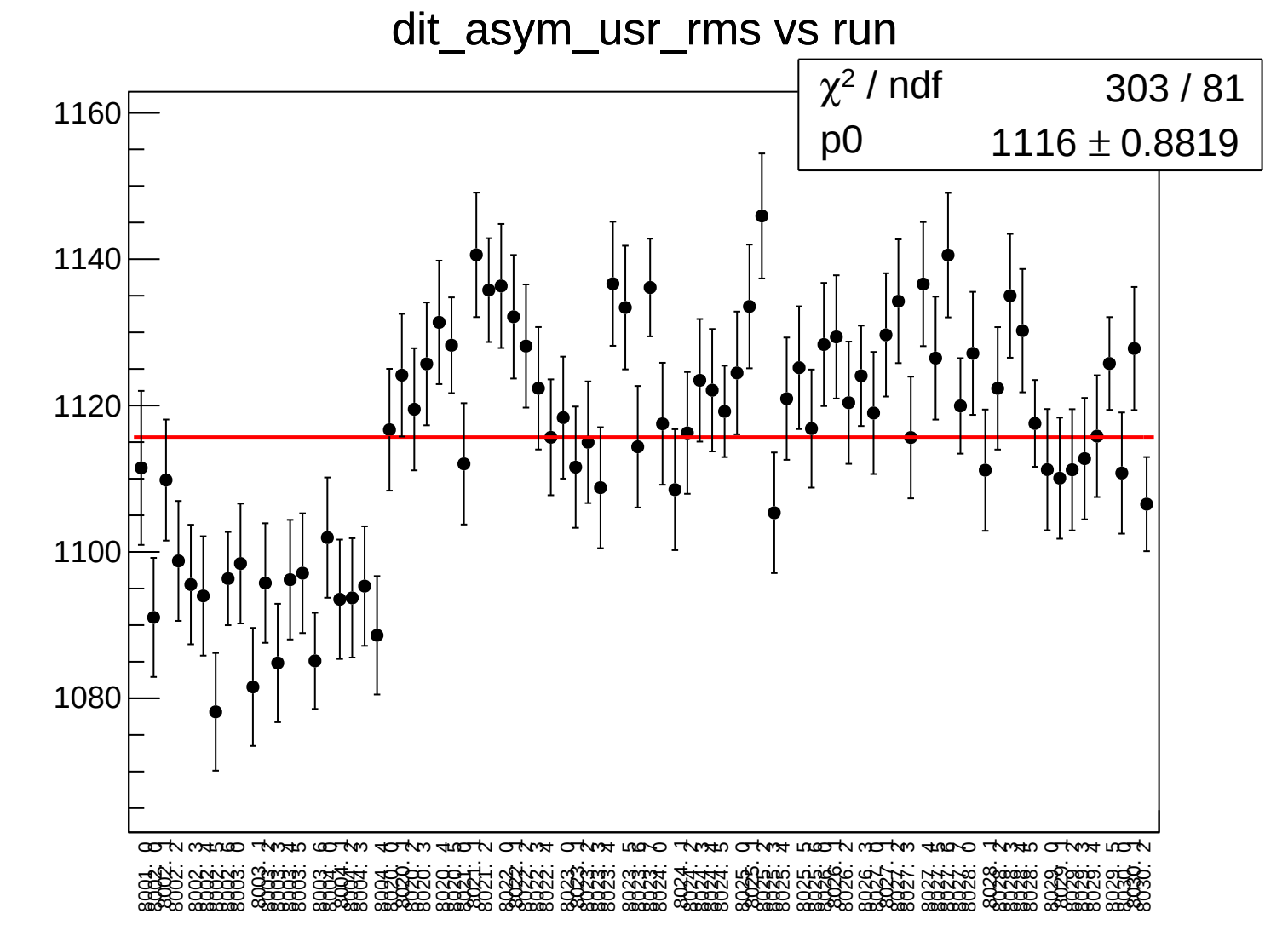

asym_usl_mean vs run
χ² / ndf 94.68 / 81
p0 −4100 ± 1564
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 252.3
Std Dev 223.5
2
1
0
−1
−2
−3

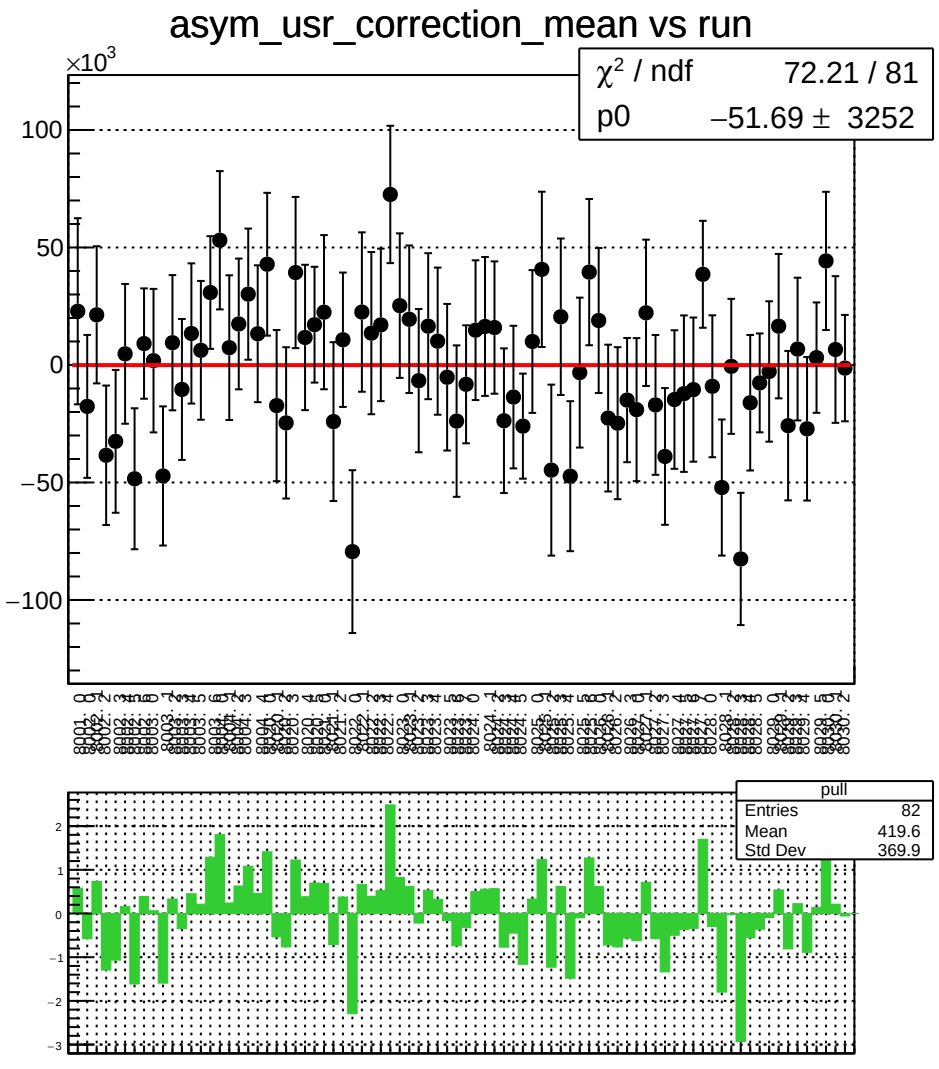

pull1D
Entries 82
Mean 0.0105
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

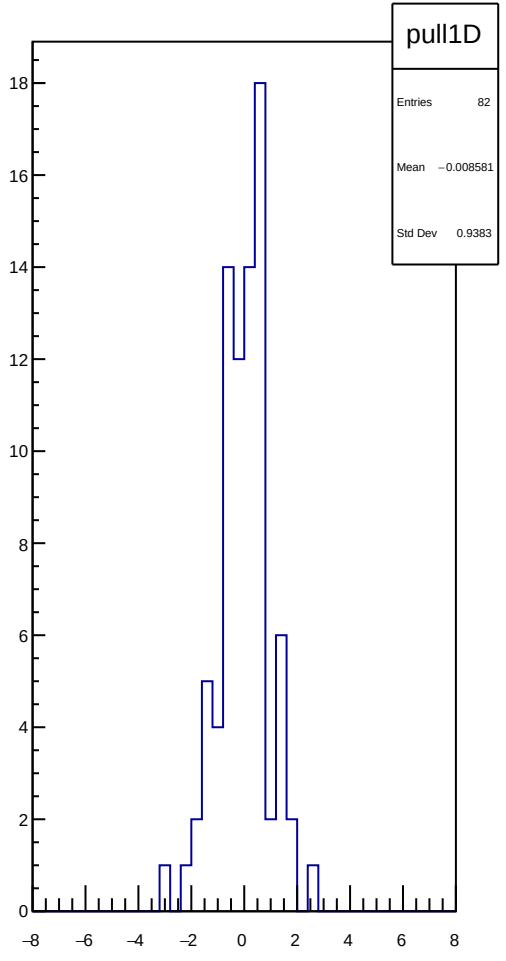

asym_usl_rms vs run
χ² / ndf 1.207e+04 / 81
p0 1394 ± 1.106
1700
1600
1500
1400
1300

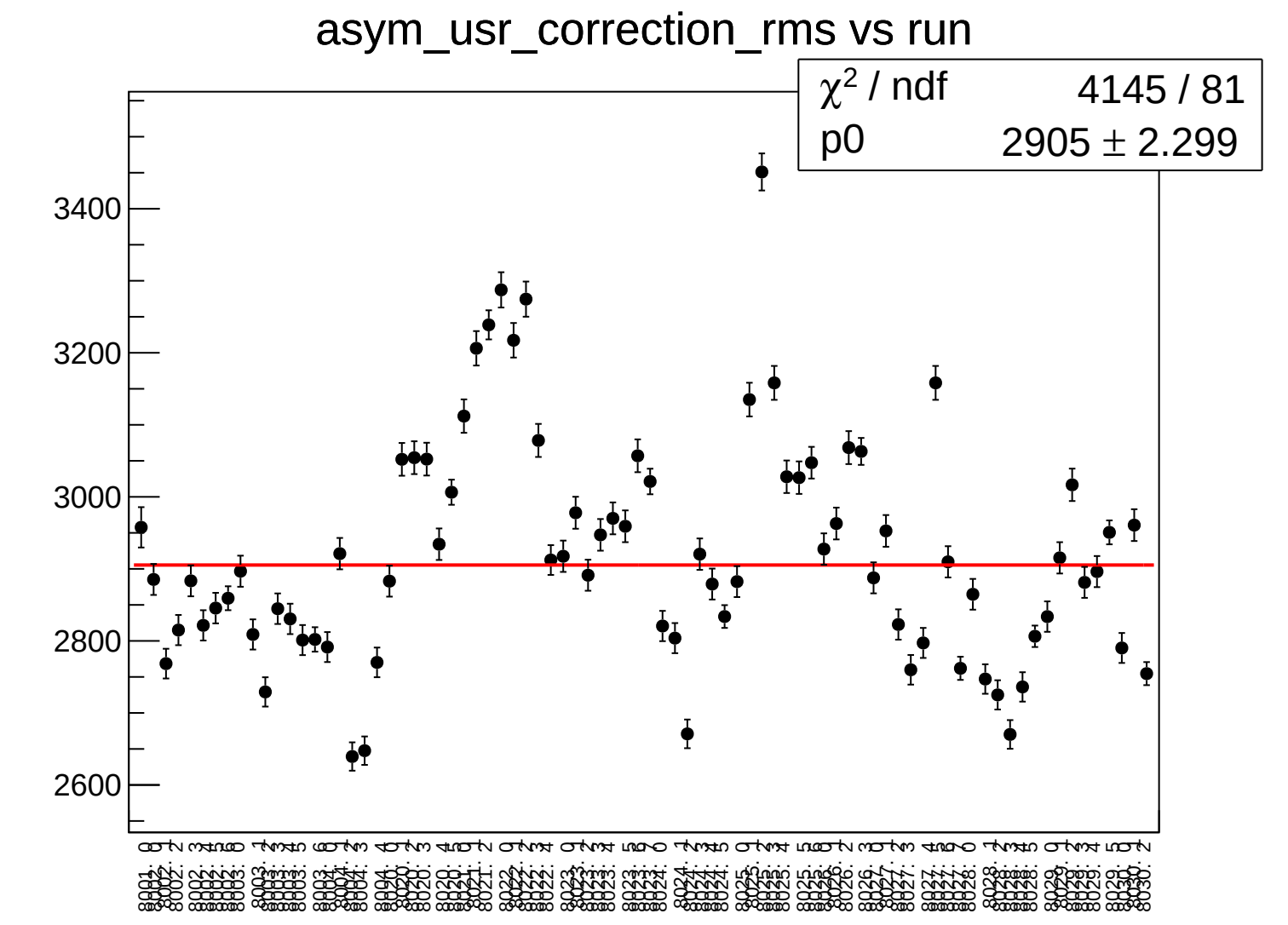

dit_asym_usr_mean vs run
χ² / ndf 61.26 / 81
p0 −1849 ± 1247
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean 111.1
Std Dev 72.33
2
1.5
1
0.5
0
−0.5
−1
−1.5

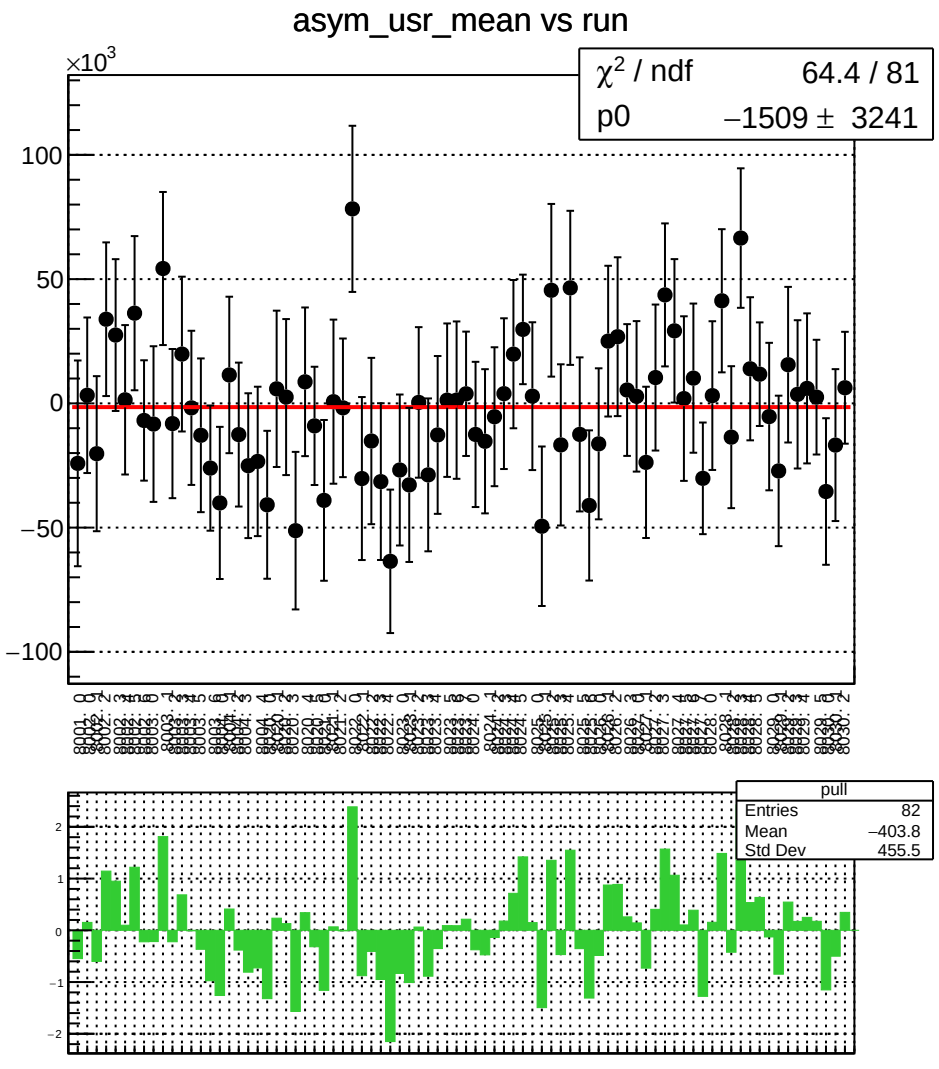

pull1D
Entries 82
Mean −0.02474
Std Dev 0.864
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

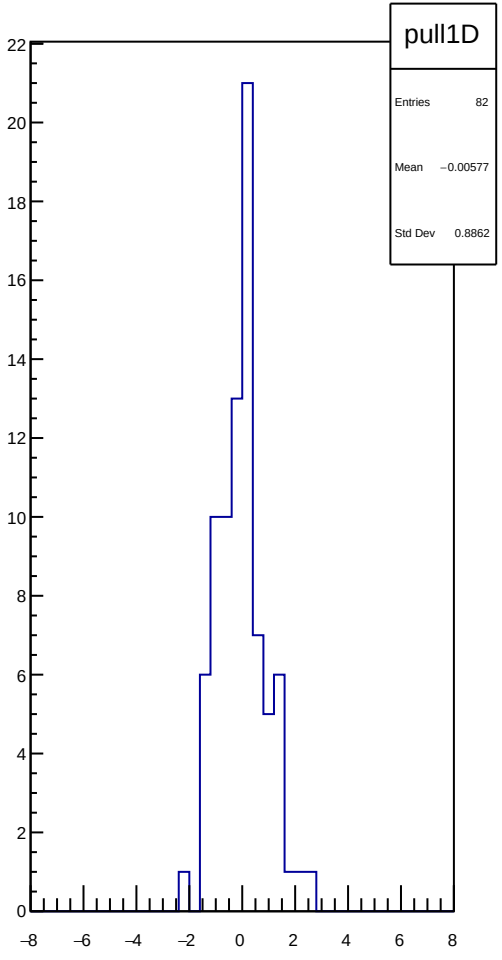

dit_asym_usr_rms vs run
χ² / ndf 303 / 81
p0 1116 ± 0.8819
1160
1140
1120
1100
1080

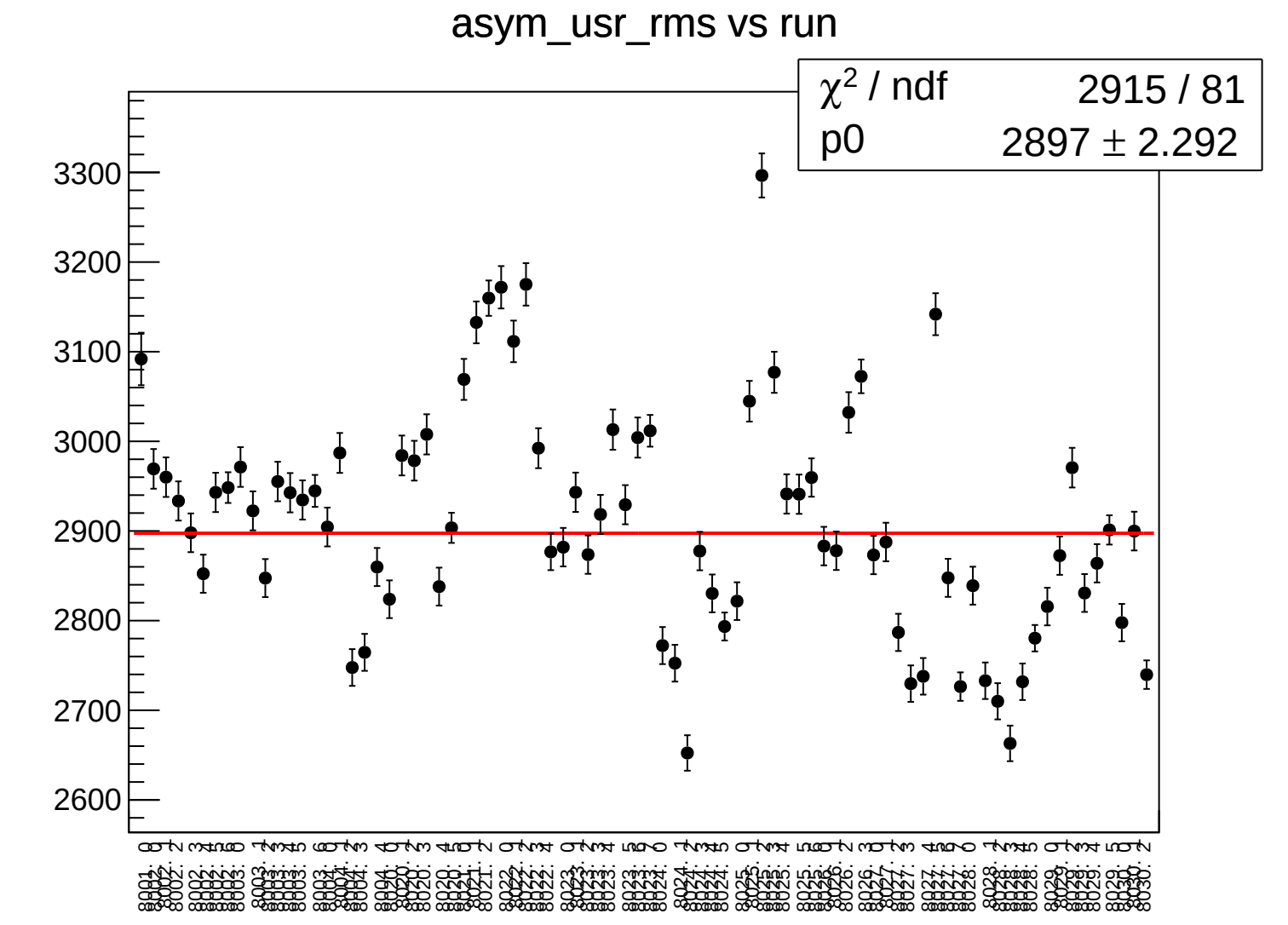

asym_usr_correction_mean vs run
×10^3
χ² / ndf 72.21 / 81
p0 −51.69 ± 3252
100
50
0
−50
−100
pull
Entries 82
Mean 419.6
Std Dev 369.9
2
1
0
−1
−2
−3

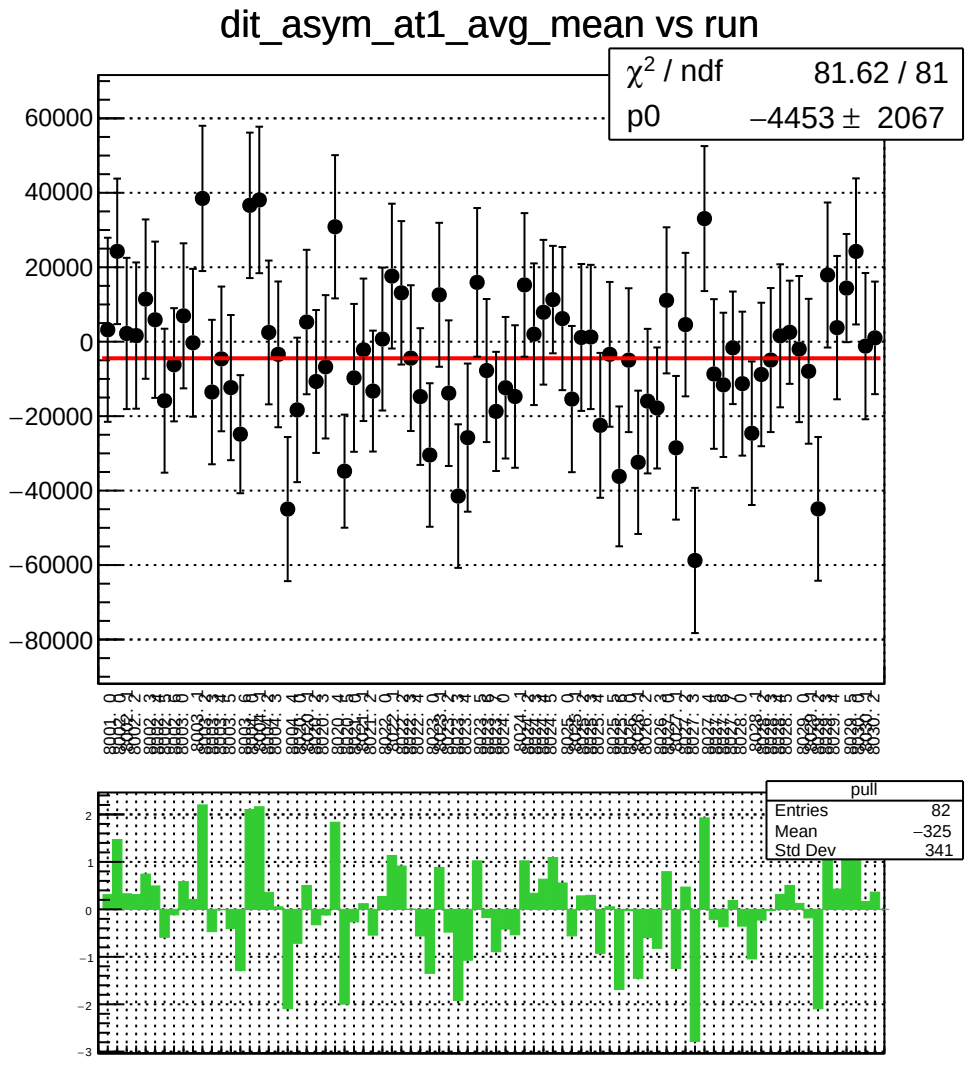

pull1D
Entries 82
Mean −0.008581
Std Dev 0.9383
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

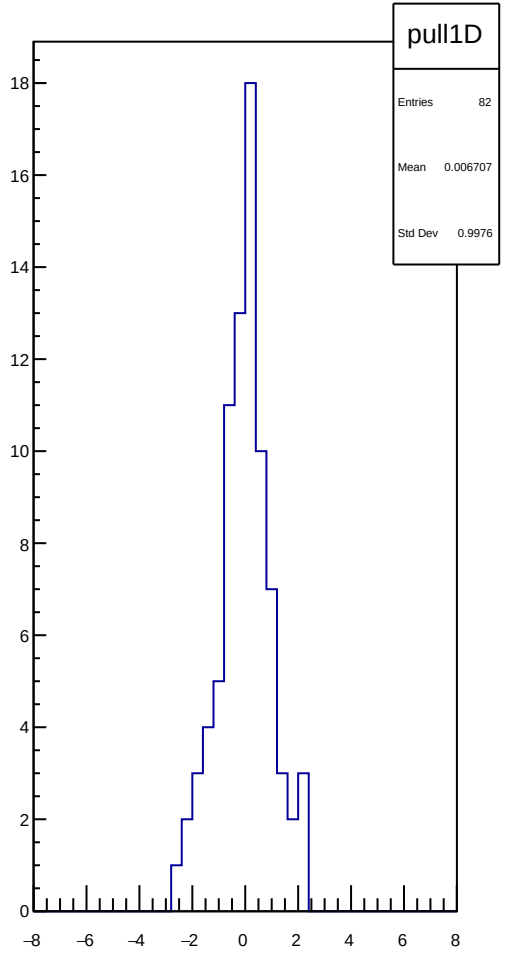

asym_usr_correction_rms vs run
χ² / ndf 4145 / 81
p0 2905 ± 2.299
3400
3200
3000
2800
2600

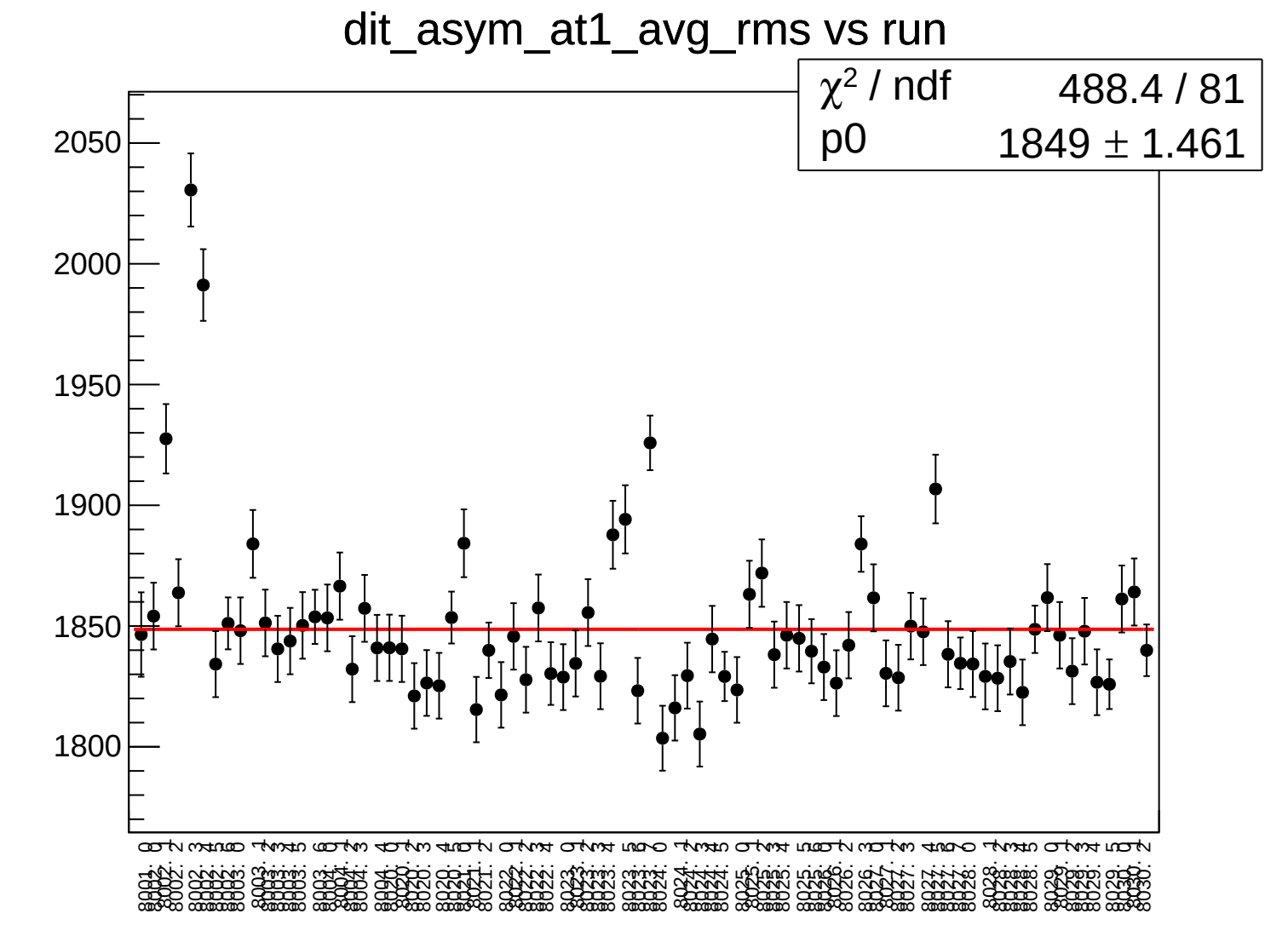

asym_usr_mean vs run
χ² / ndf 64.4 / 81
p0 −1509 ± 3241
×10³
100
50
0
−50
−100
pull
Entries 82
Mean −403.8
Std Dev 455.5
2
1
0
−1
−2

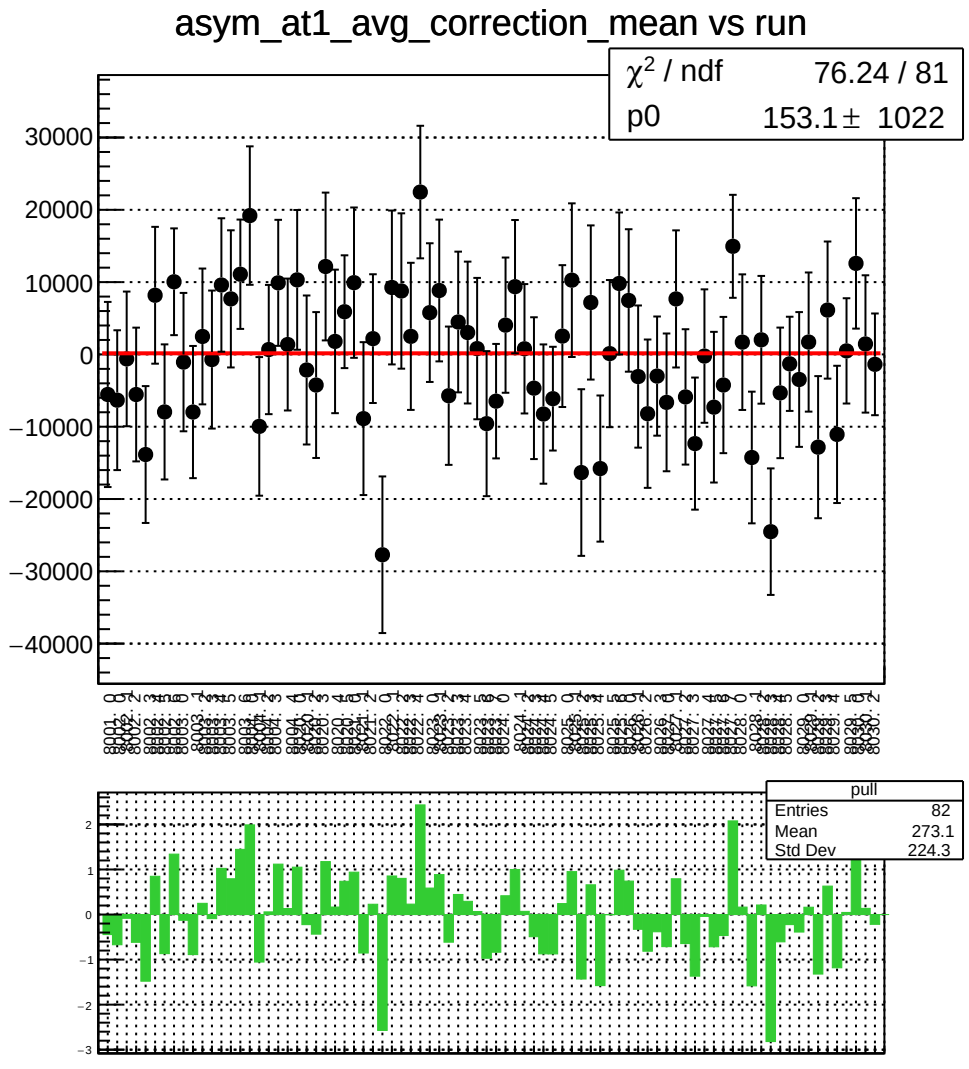

pull1D
Entries 82
Mean −0.00577
Std Dev 0.8862
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

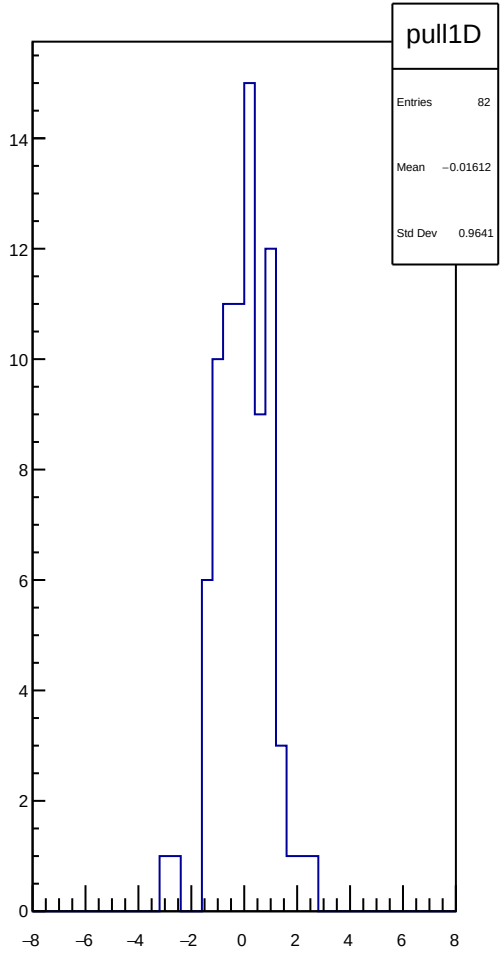

asym_usr_rms vs run
χ² / ndf 2915 / 81
p0 2897 ± 2.292
3300
3200
3100
3000
2900
2800
2700
2600

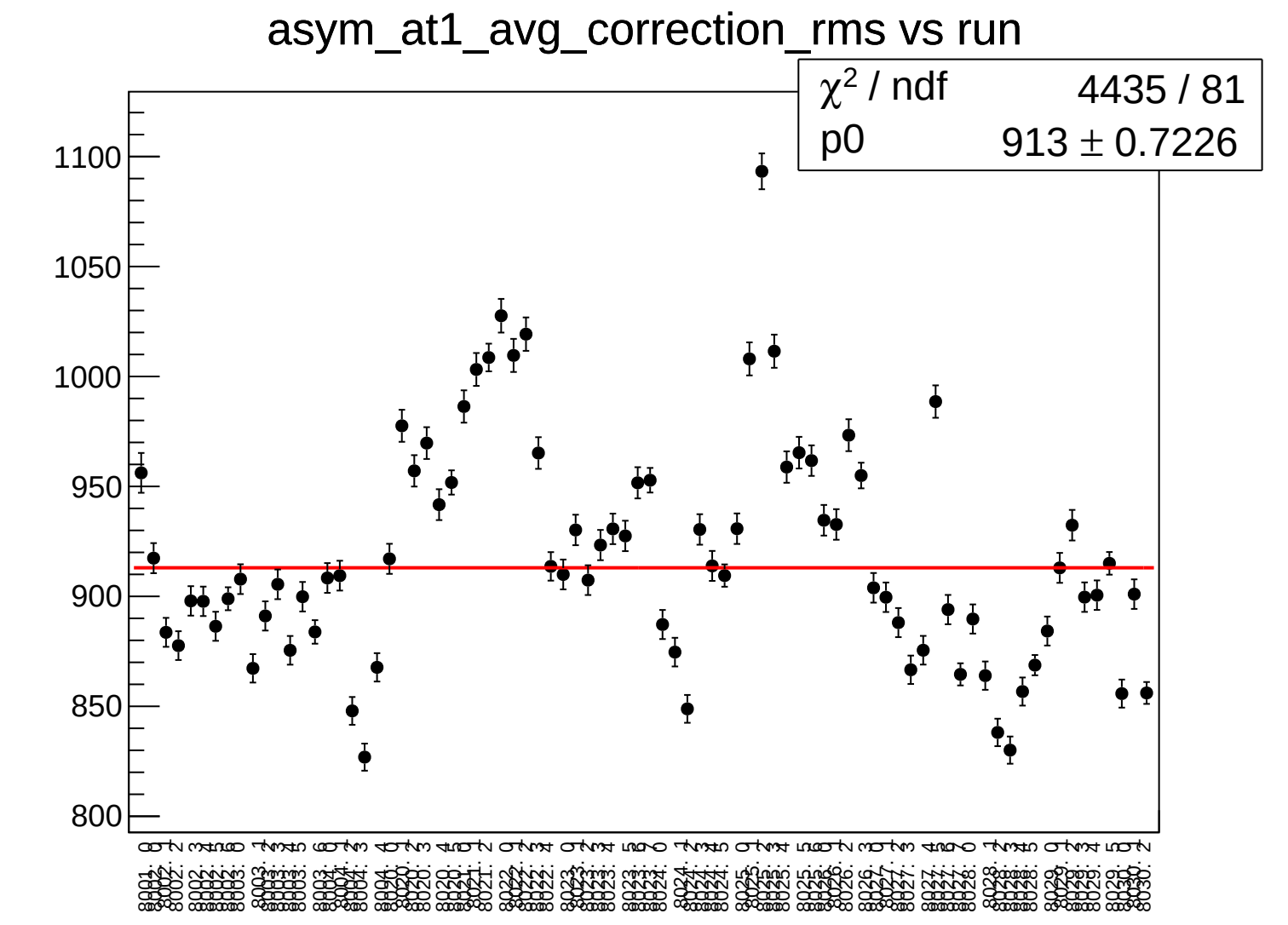

dit_asym_at1_avg_mean vs run
χ² / ndf 81.62 / 81
p0 −4453 ± 2067
pull
Entries 82
Mean −325
Std Dev 341

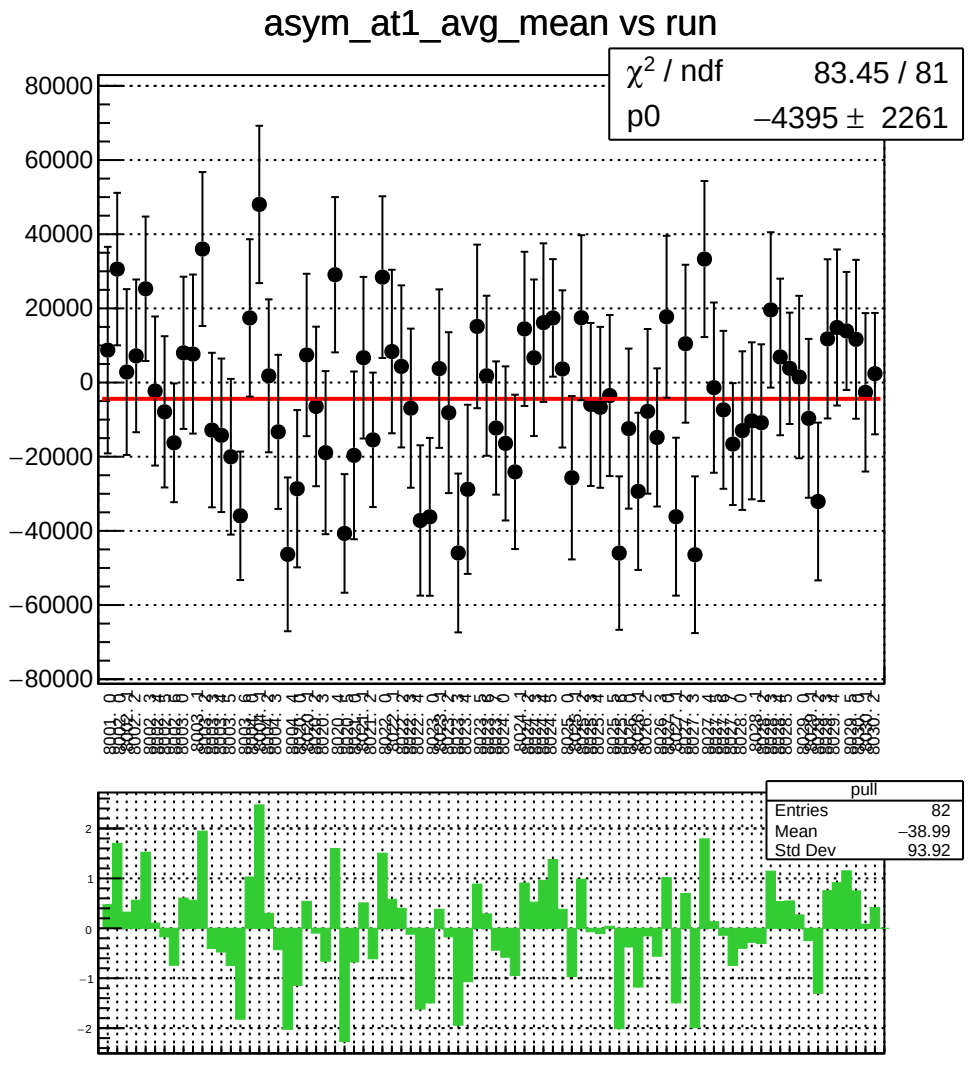

pull1D
Entries 82
Mean 0.006707
Std Dev 0.9976

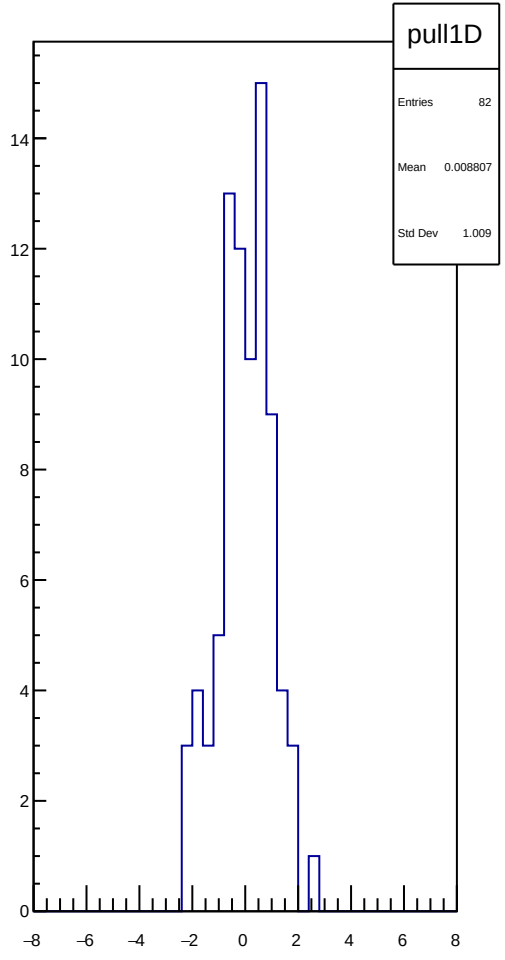

dit_asym_at1_avg_rms vs run
χ² / ndf 488.4 / 81
p0 1849 ± 1.461
2050
2000
1950
1900
1850
1800

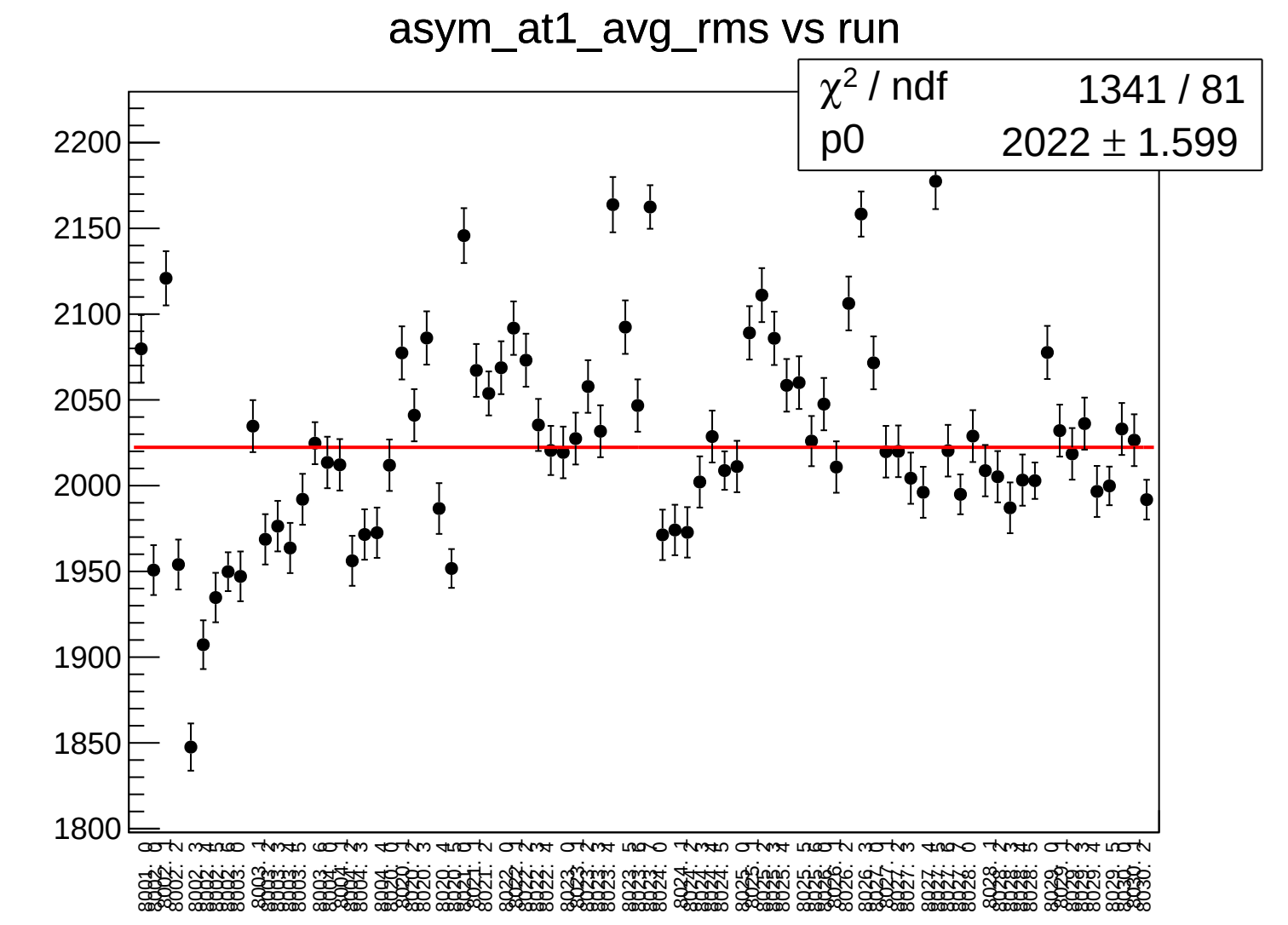

asym_at1_avg_correction_mean vs run
χ² / ndf 76.24 / 81
p0 153.1 ± 1022
pull
Entries 82
Mean 273.1
Std Dev 224.3

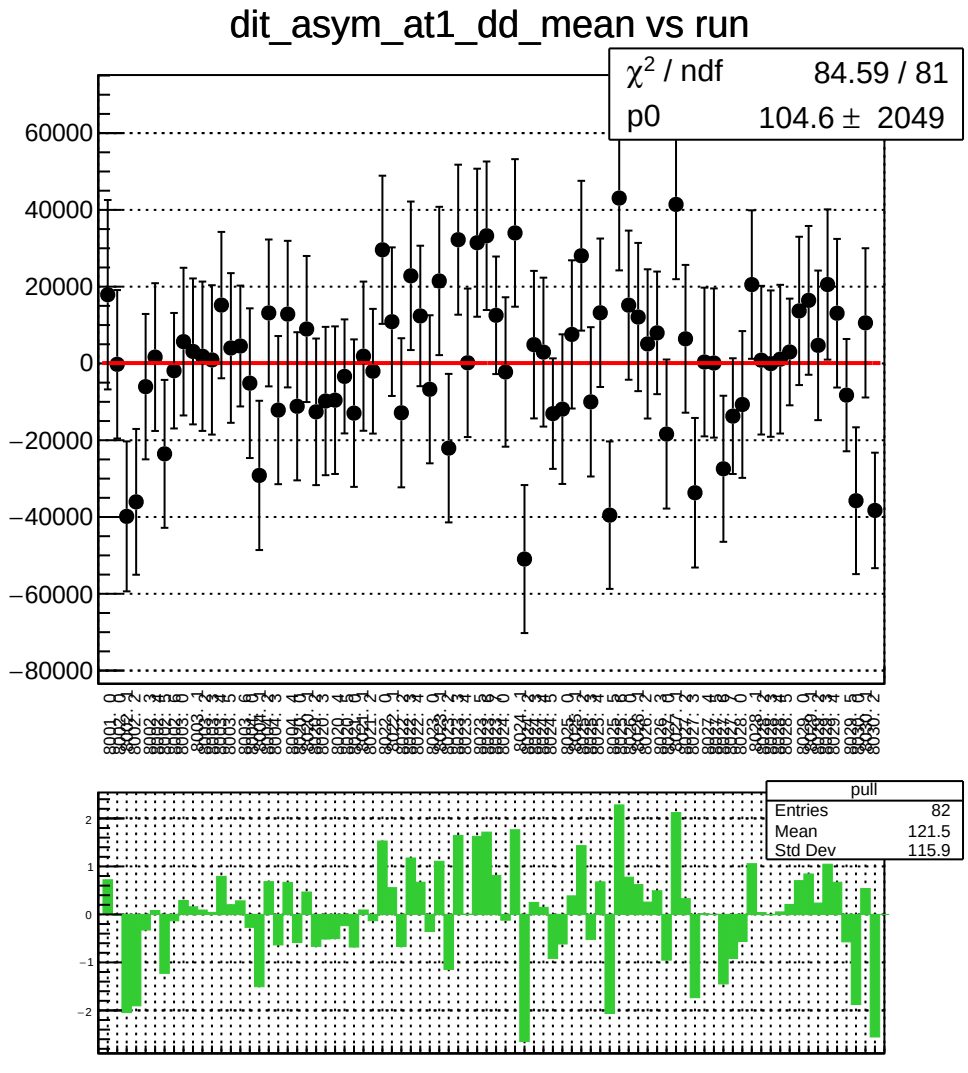

pull1D
Entries 82
Mean −0.01612
Std Dev 0.9641

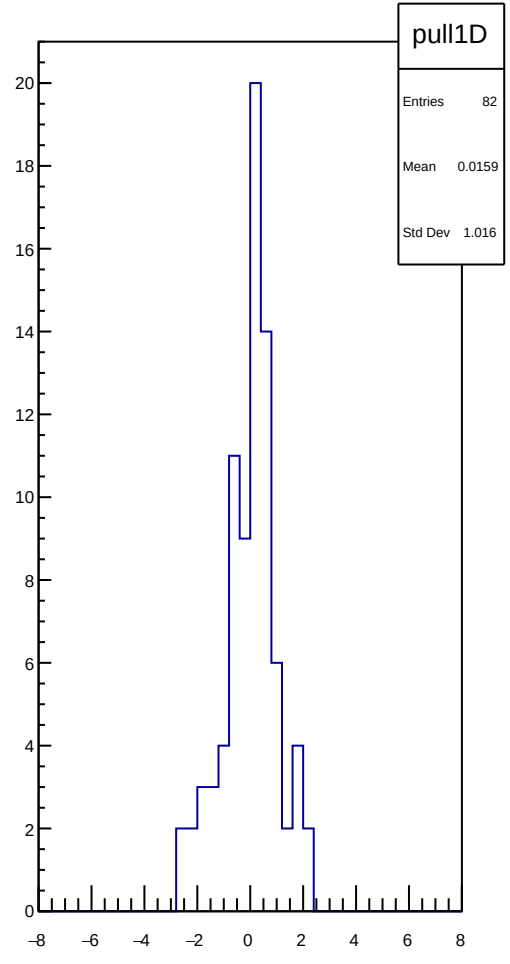

asym_at1_avg_correction_rms vs run
χ² / ndf 4435 / 81
p0 913 ± 0.7226
1100
1050
1000
950
900
850
800

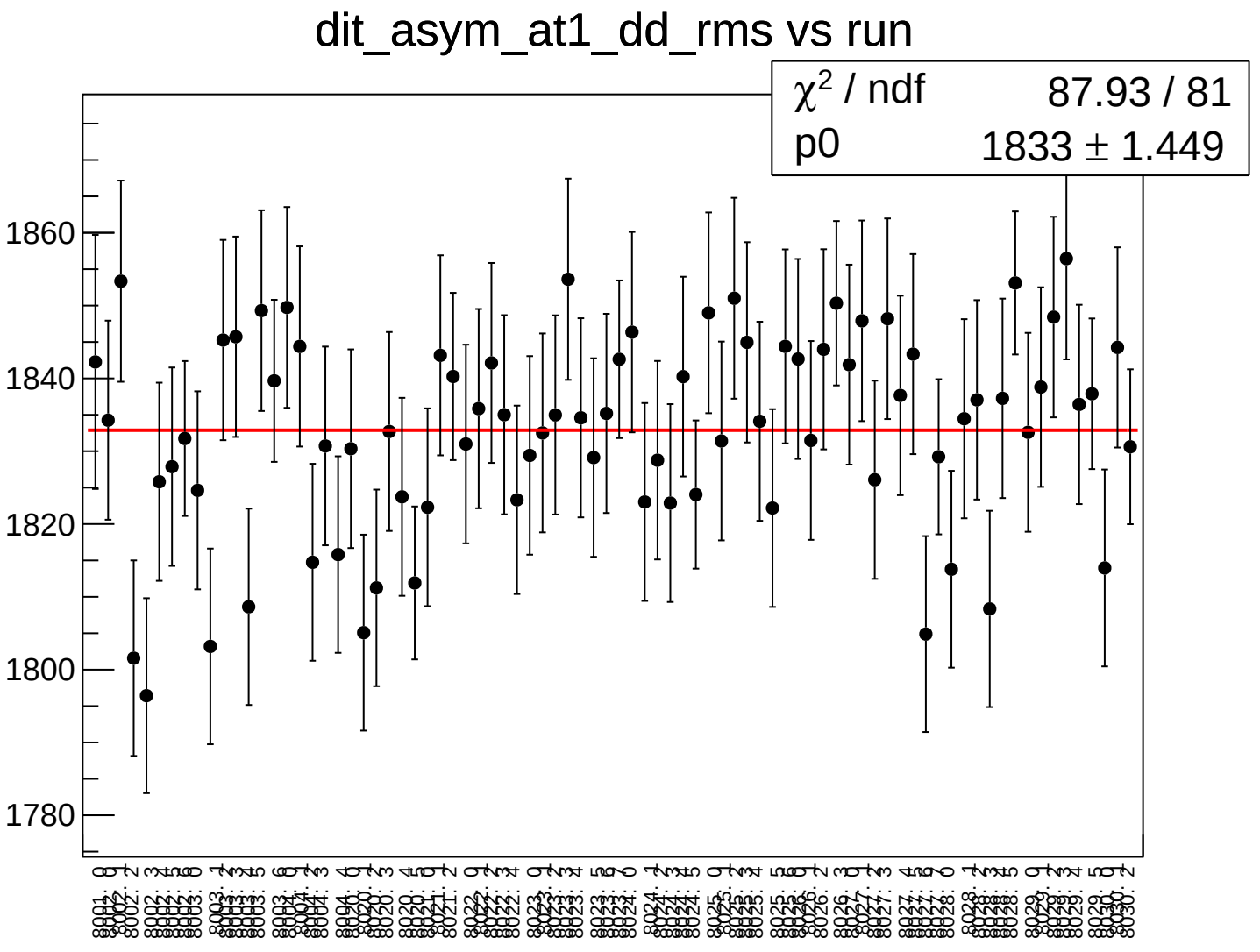

asym_at1_avg_mean vs run
χ² / ndf 83.45 / 81
p0 −4395 ± 2261
pull
Entries 82
Mean −38.99
Std Dev 93.92

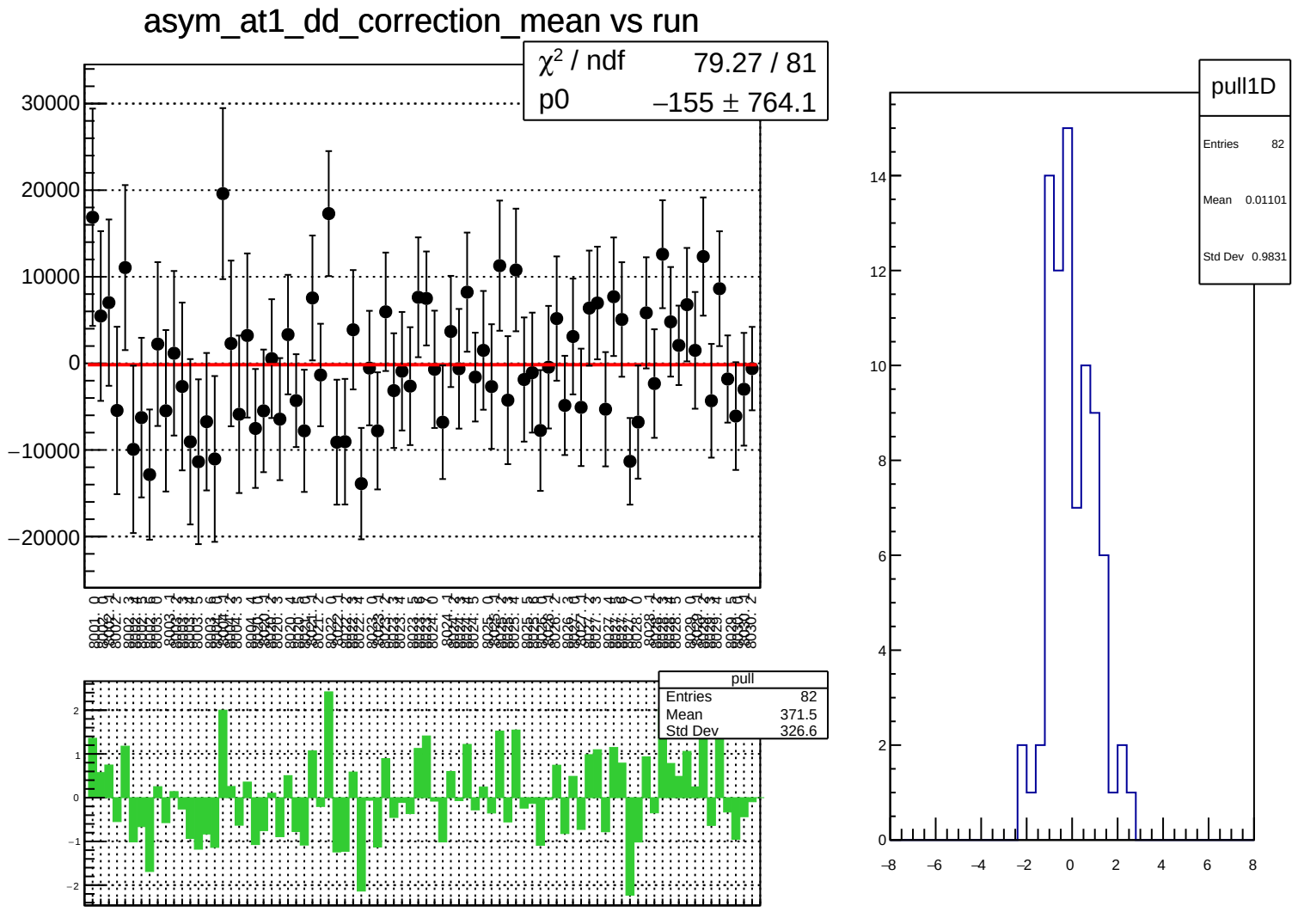

pull1D
Entries 82
Mean 0.008807
Std Dev 1.009

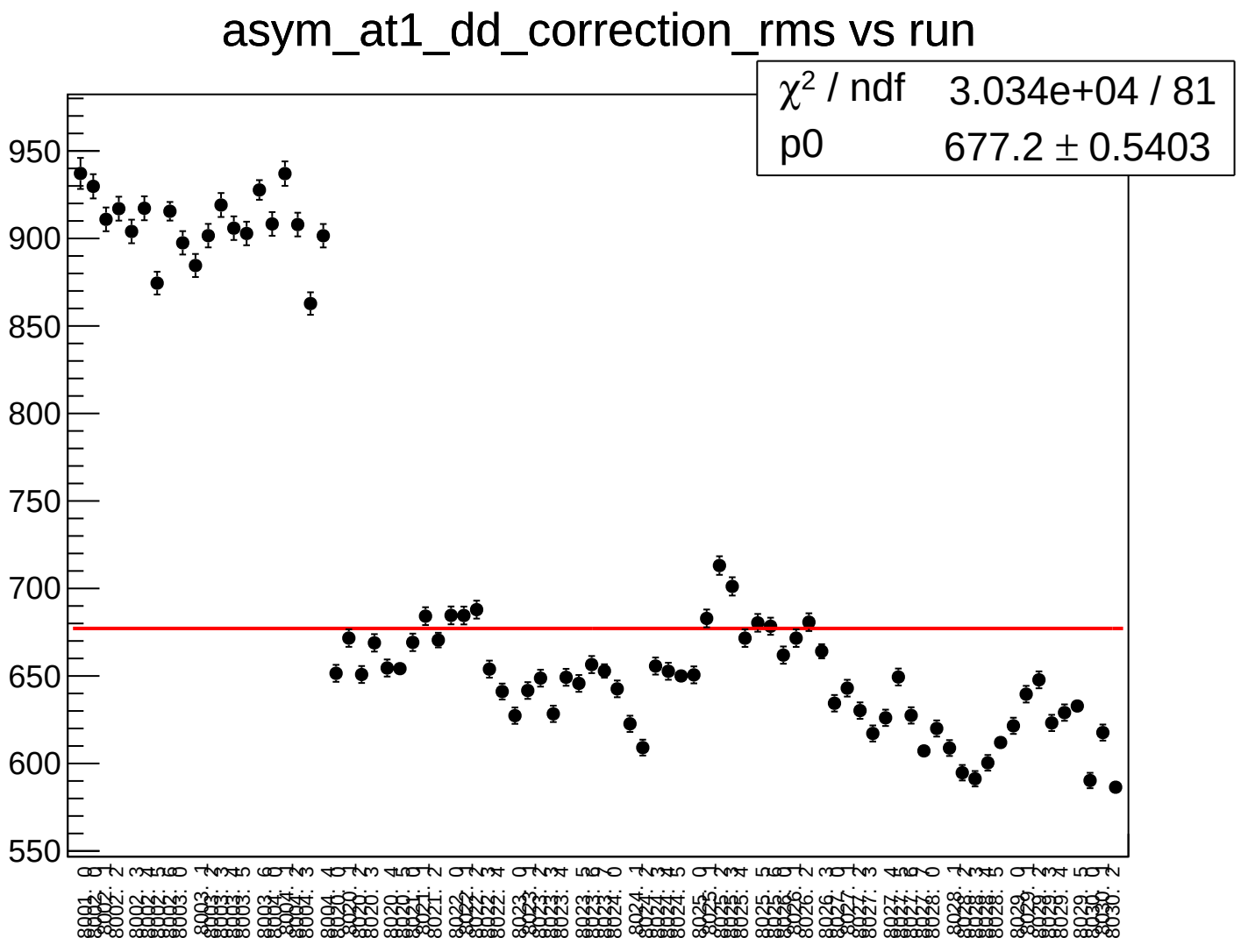

asym_at1_avg_rms vs run
χ² / ndf 1341 / 81
p0 2022 ± 1.599
2200
2150
2100
2050
2000
1950
1900
1850
1800

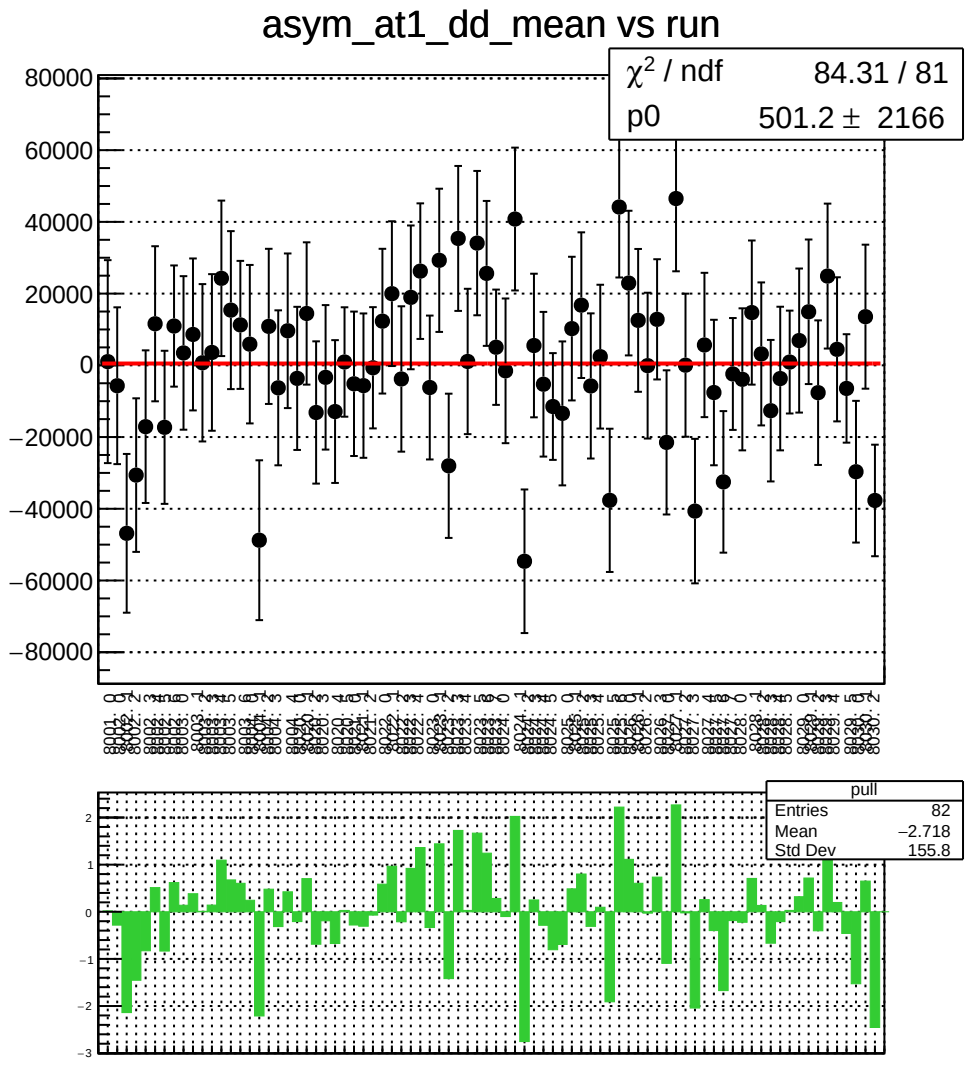

dit_asym_at1_dd_mean vs run
χ² / ndf 84.59 / 81
p0 104.6 ± 2049
pull
Entries 82
Mean 121.5
Std Dev 115.9

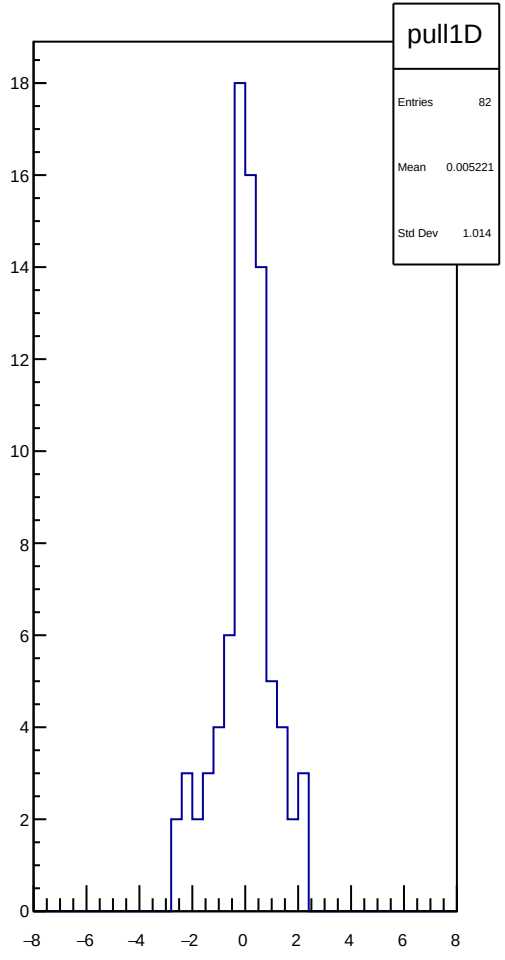

pull1D
Entries 82
Mean 0.0159
Std Dev 1.016

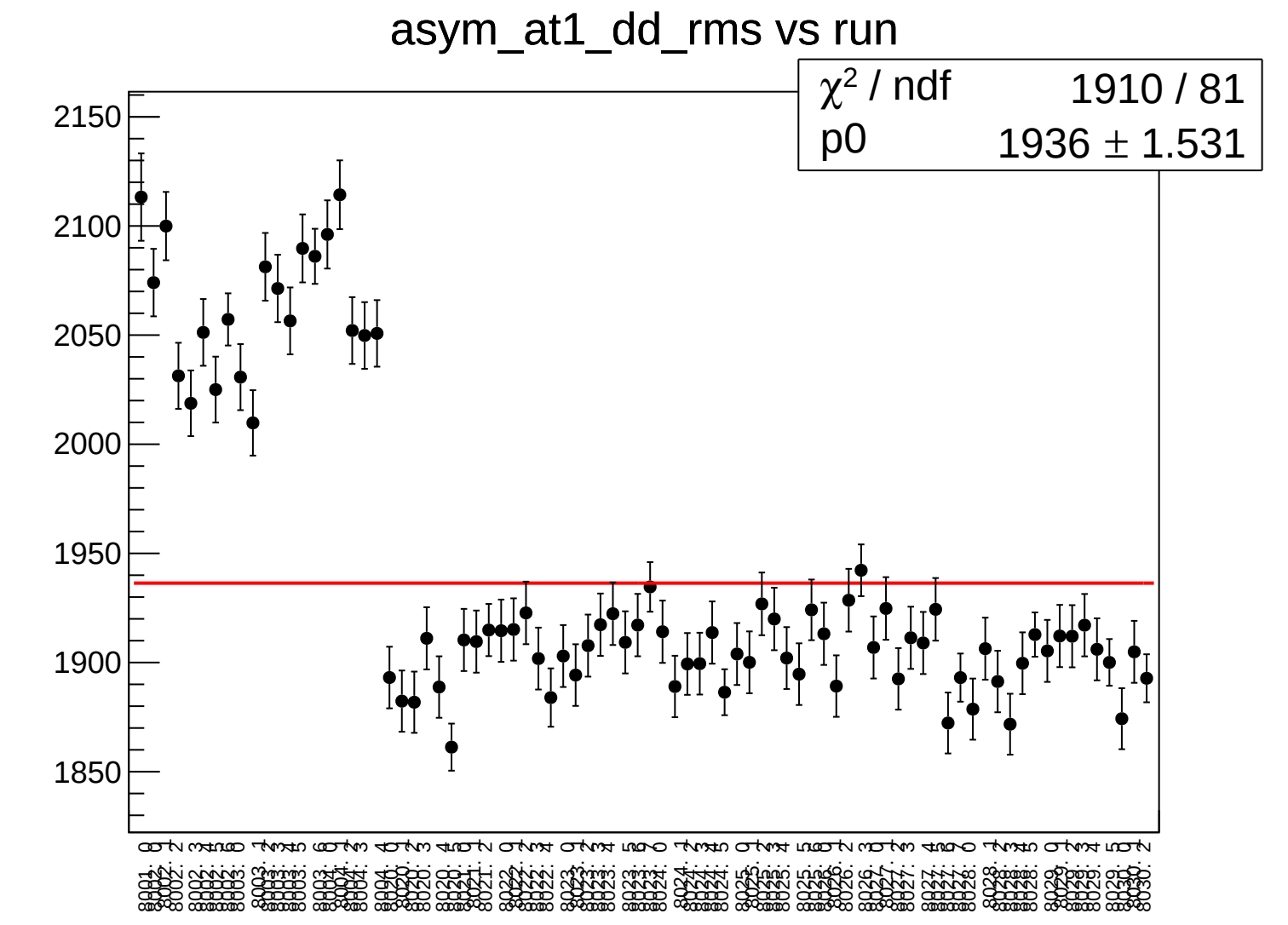

dit_asym_at1_dd_rms vs run
χ² / ndf 87.93 / 81
p0 1833 ± 1.449
1860
1840
1820
1800
1780

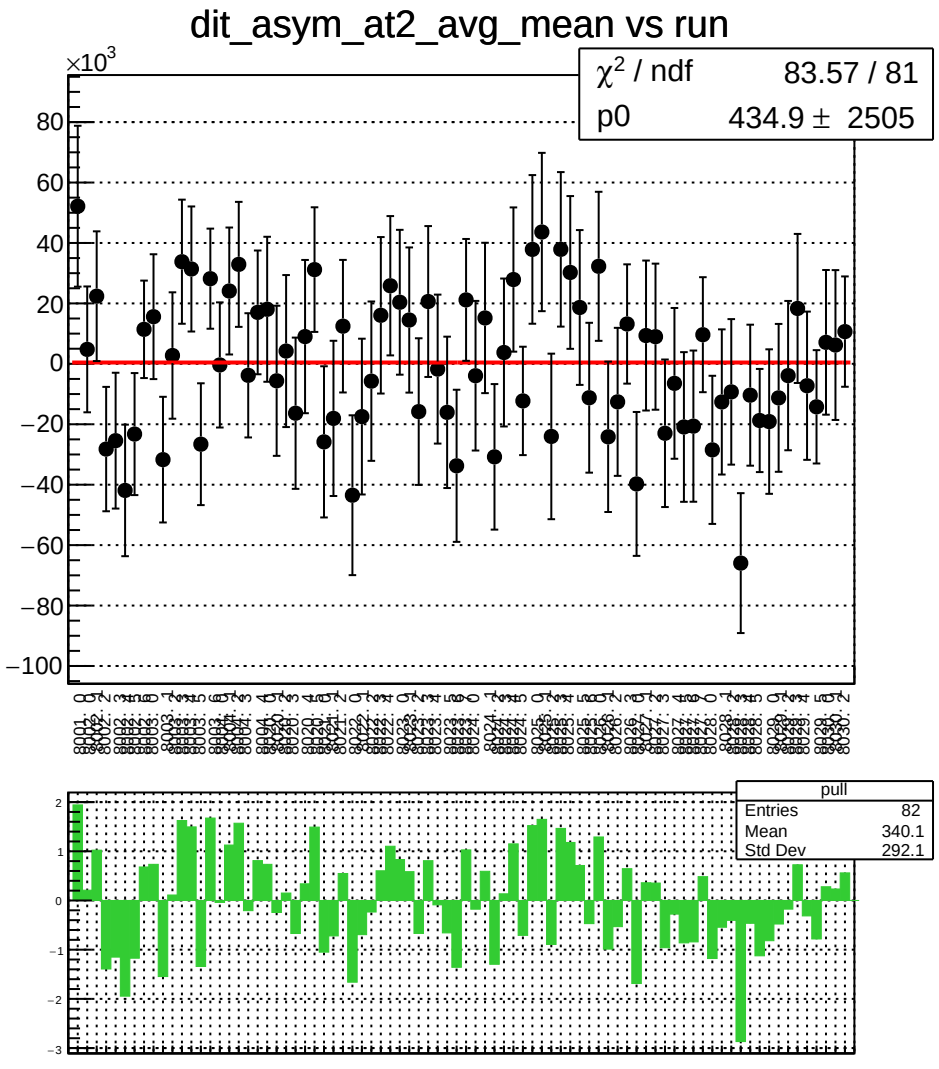

asym_at1_dd_correction_mean vs run
χ² / ndf 79.27 / 81
p0 −155 ± 764.1
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 371.5
Std Dev 326.6
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01101
Std Dev 0.9831
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

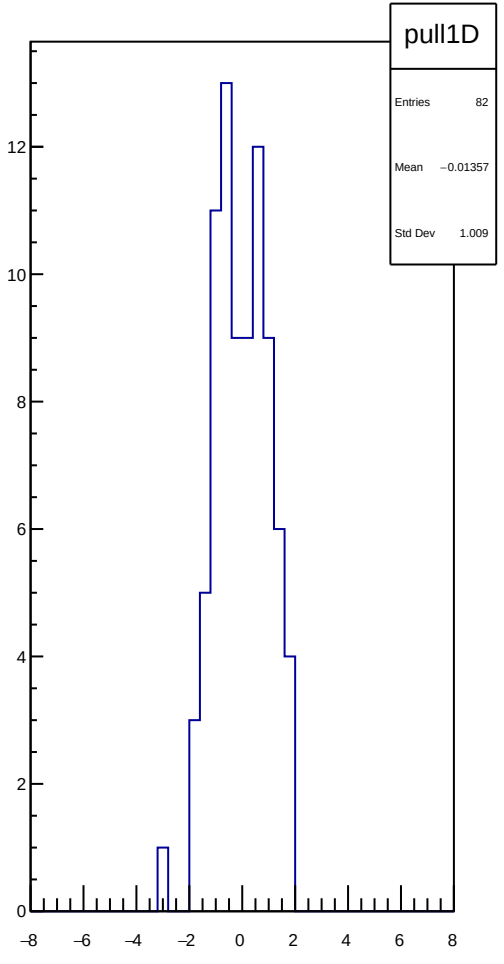

asym_at1_dd_correction_rms vs run
χ² / ndf 3.034e+04 / 81
p0 677.2 ± 0.5403
950
900
850
800
750
700
650
600
550

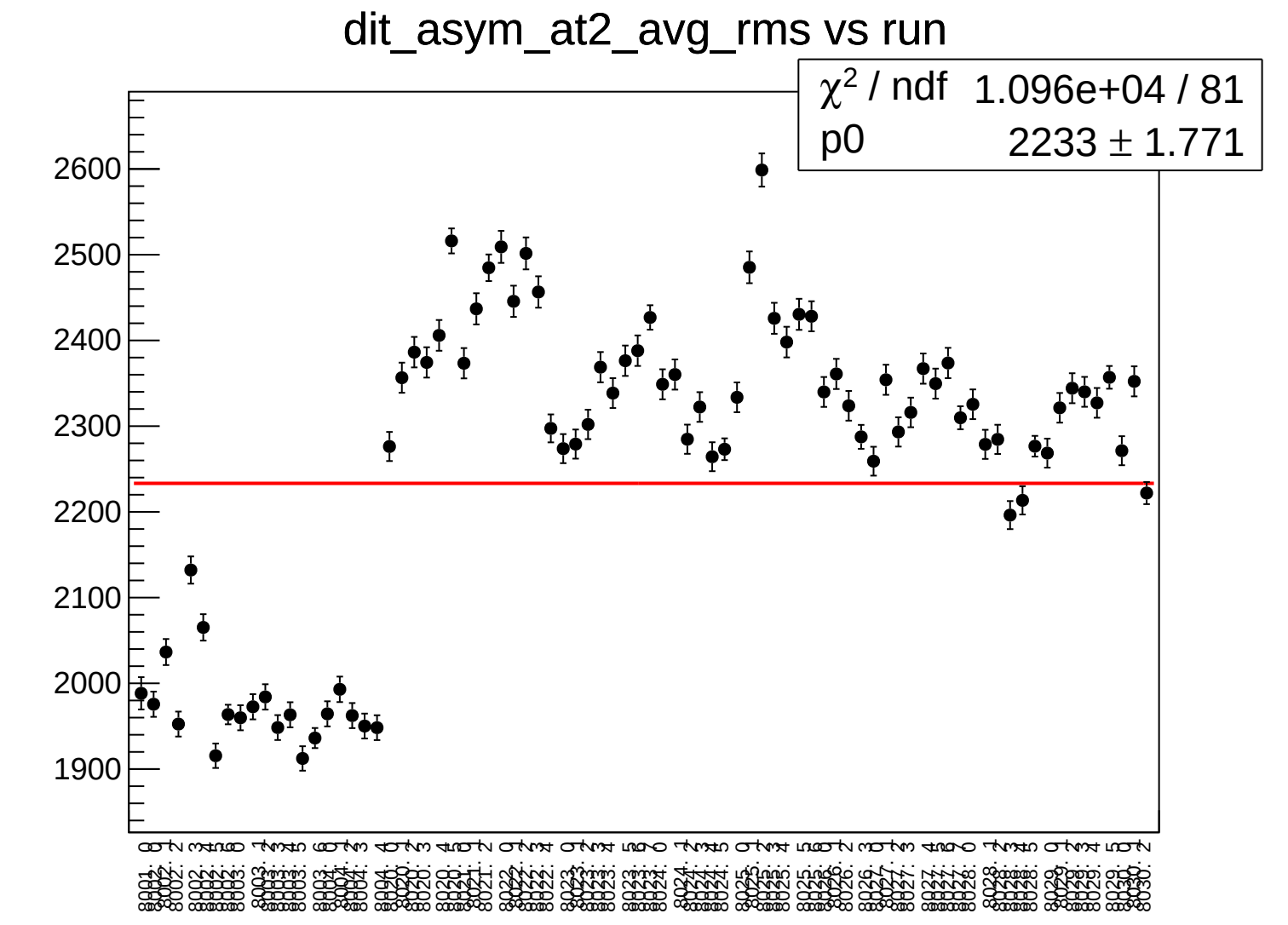

asym_at1_dd_mean vs run
χ² / ndf 84.31 / 81
p0 501.2 ± 2166
pull
Entries 82
Mean −2.718
Std Dev 155.8

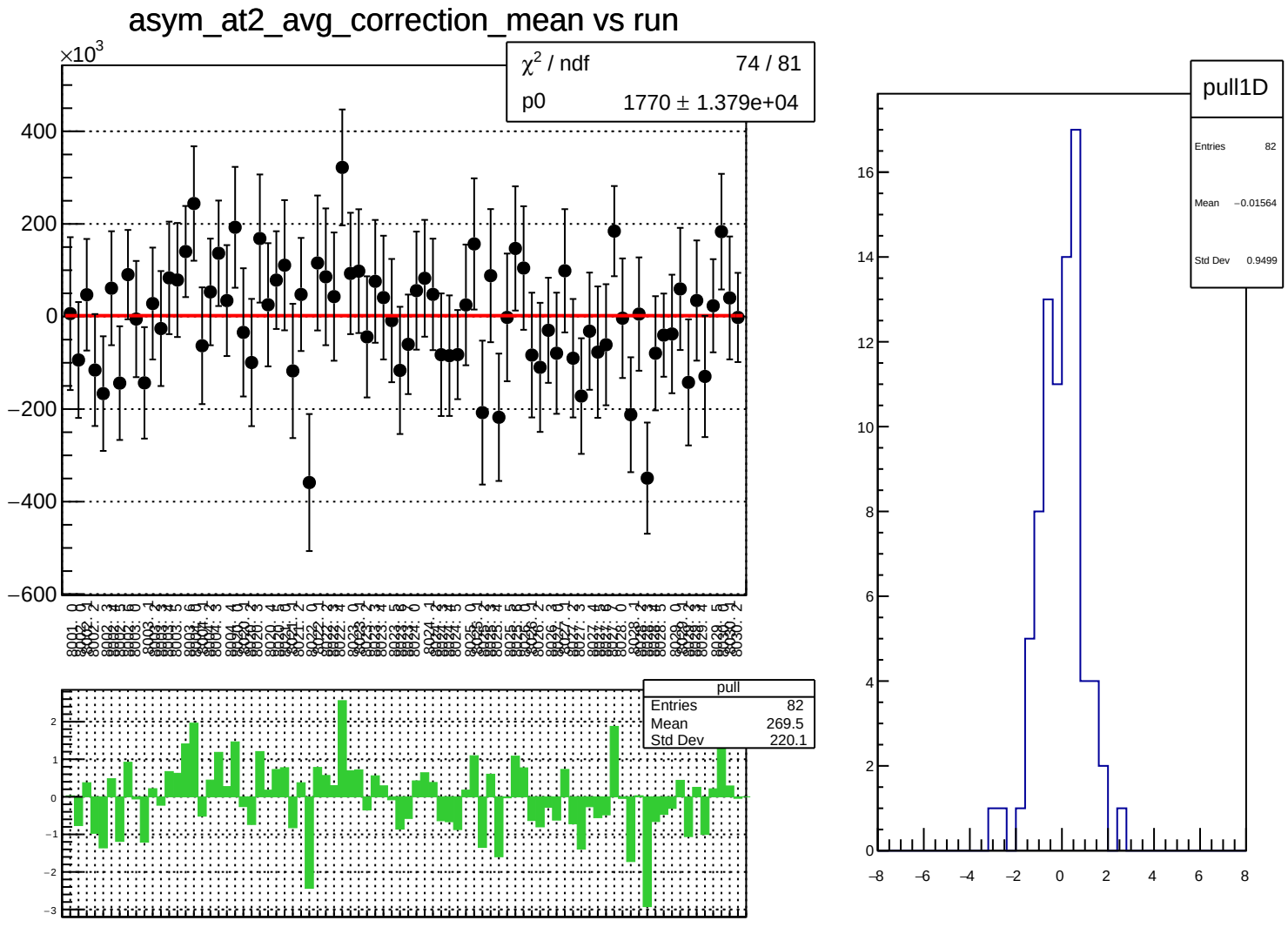

pull1D
Entries 82
Mean 0.005221
Std Dev 1.014

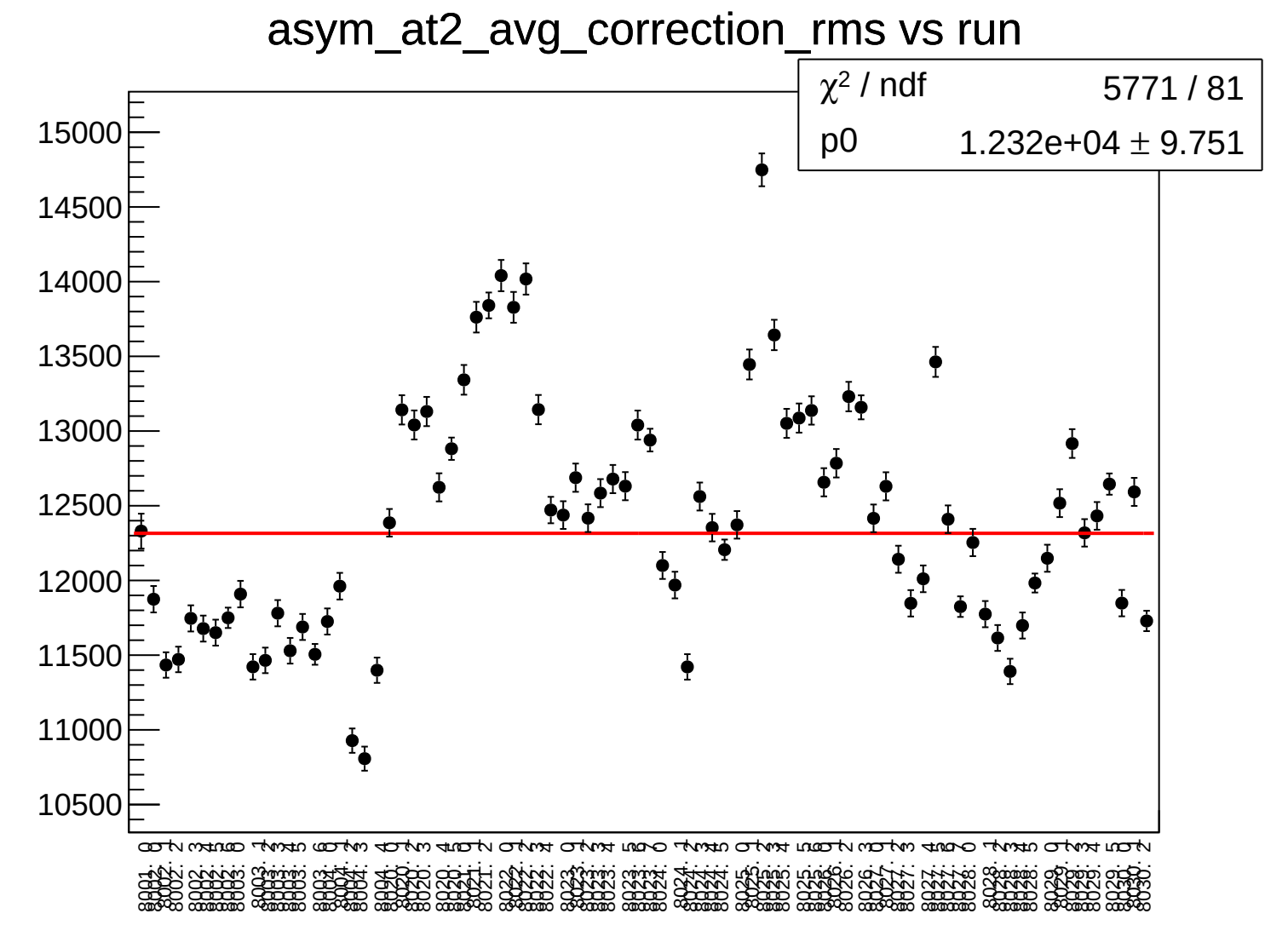

asym_at1_dd_rms vs run
χ² / ndf 1910 / 81
p0 1936 ± 1.531
2150
2100
2050
2000
1950
1900
1850

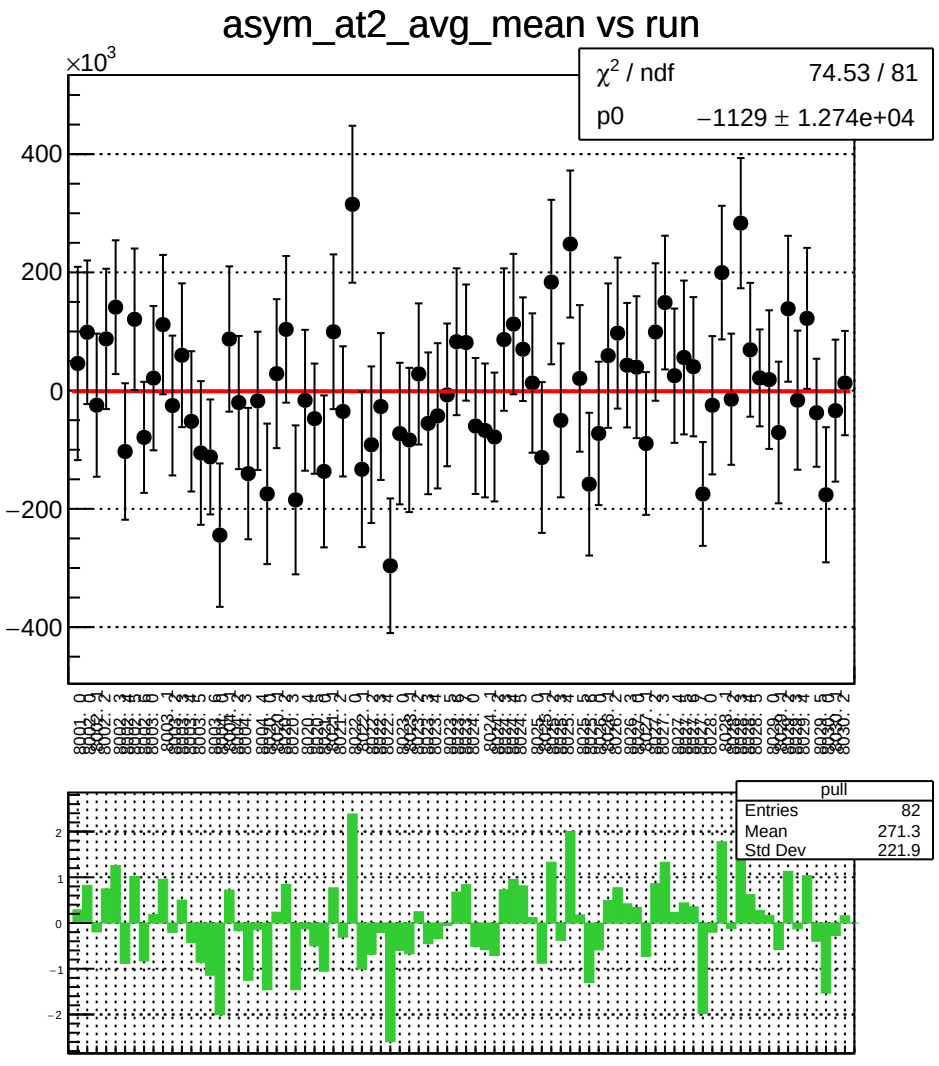

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 83.57 / 81
p0 434.9 ± 2505
pull
Entries 82
Mean 340.1
Std Dev 292.1

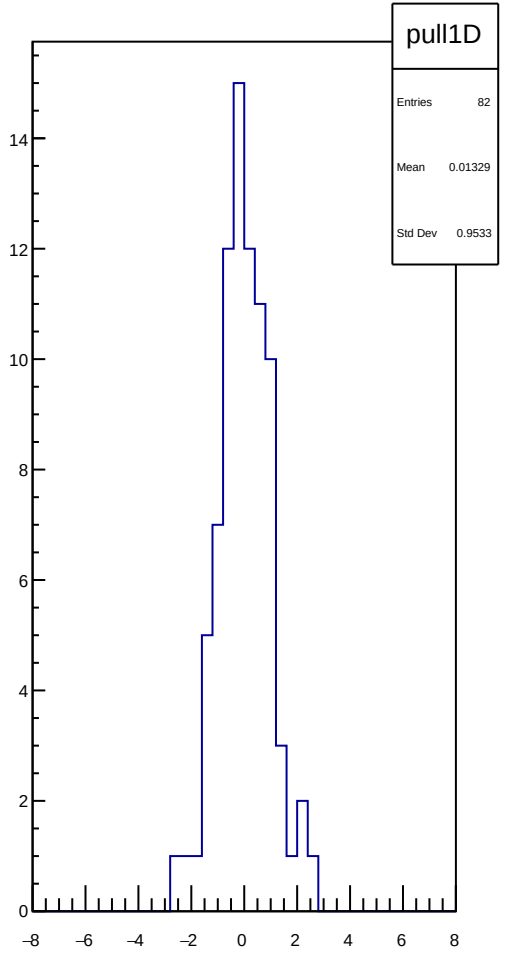

pull1D
Entries 82
Mean −0.01357
Std Dev 1.009

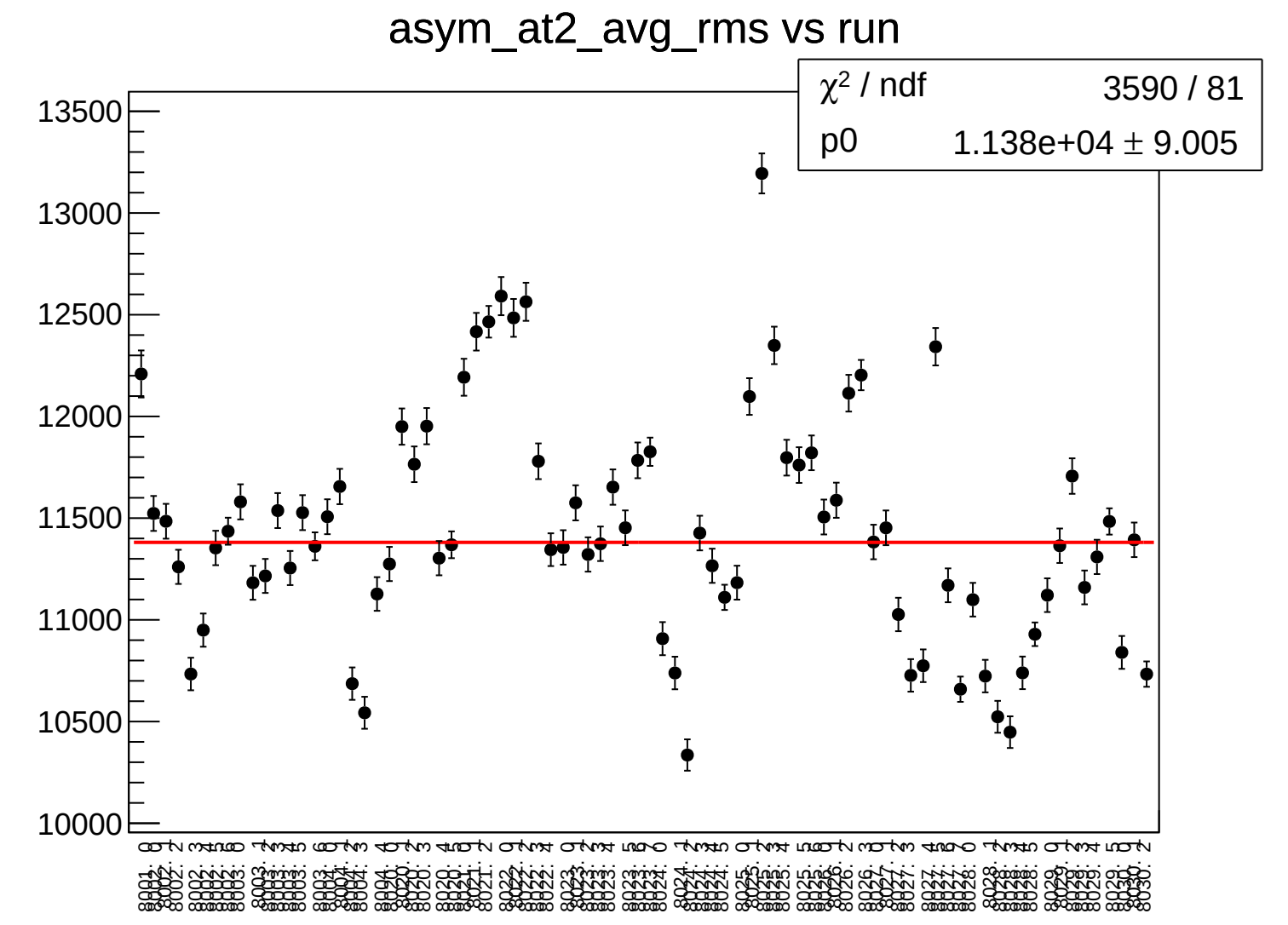

dit_asym_at2_avg_rms vs run
χ² / ndf 1.096e+04 / 81
p0 2233 ± 1.771
2600
2500
2400
2300
2200
2100
2000
1900

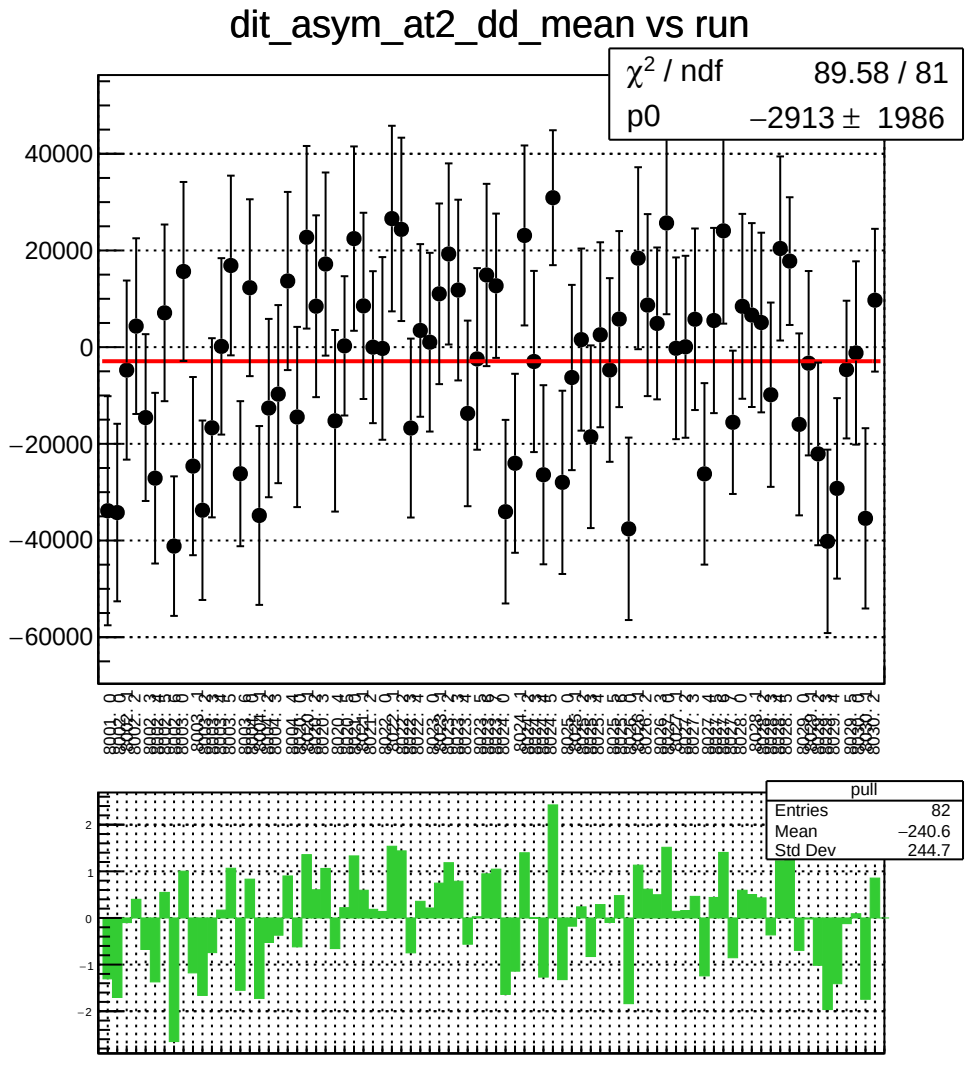

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 74 / 81
p0 1770 ± 1.379e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean 269.5
Std Dev 220.1
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01564
Std Dev 0.9499
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

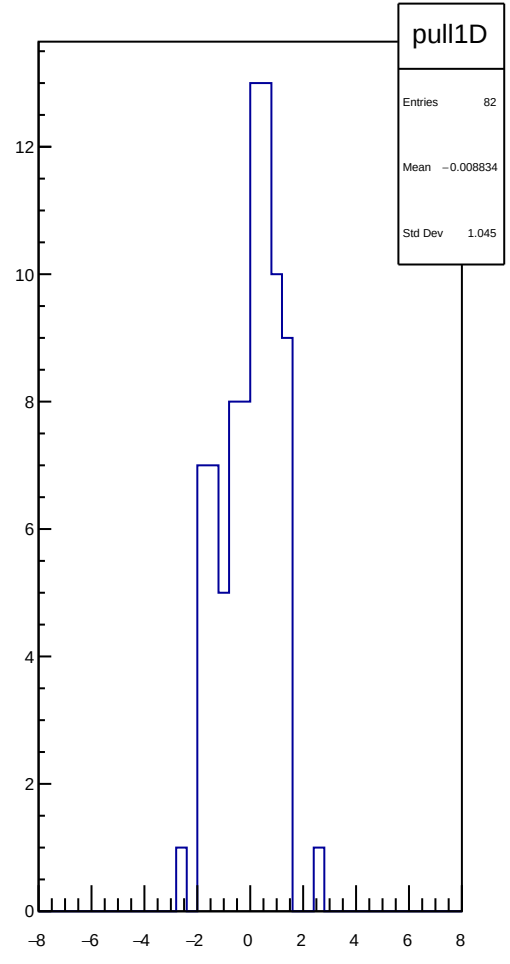

asym_at2_avg_correction_rms vs run
χ² / ndf 5771 / 81
p0 1.232e+04 ± 9.751
15000
14500
14000
13500
13000
12500
12000
11500
11000
10500

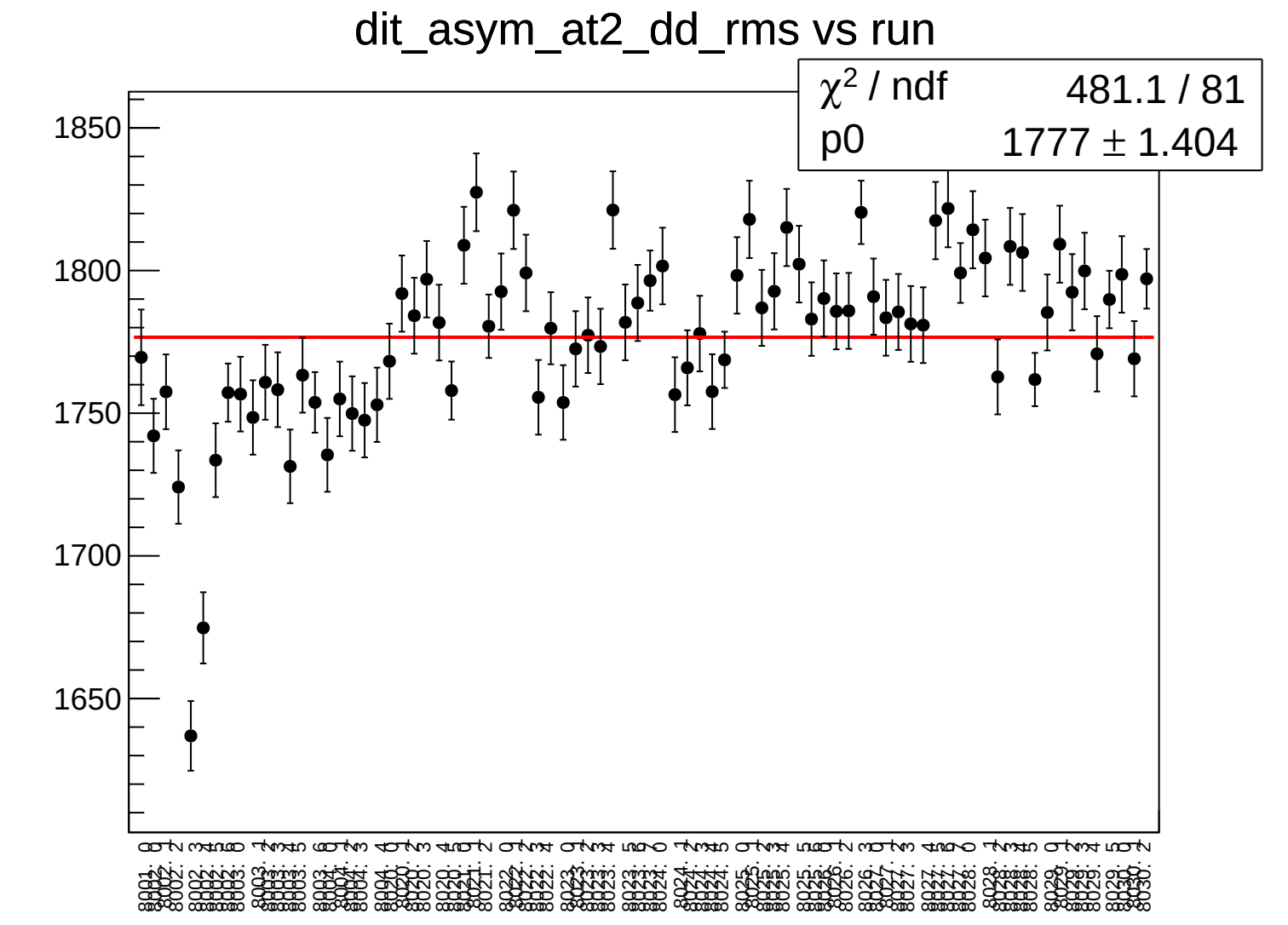

asym_at2_avg_mean vs run
×10^3
χ² / ndf 74.53 / 81
p0 −1129 ± 1.274e+04
400
200
0
−200
−400
pull
Entries 82
Mean 271.3
Std Dev 221.9
2
1
0
−1
−2

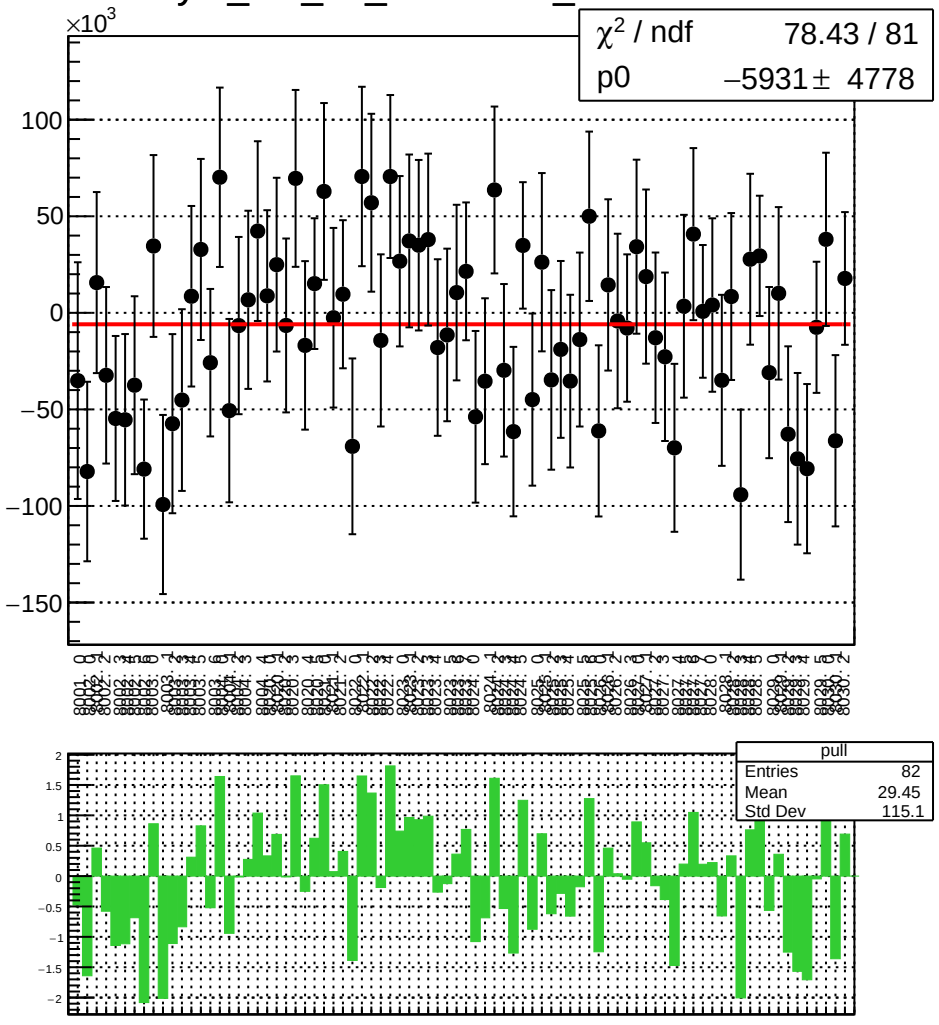

pull1D
Entries 82
Mean 0.01329
Std Dev 0.9533
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

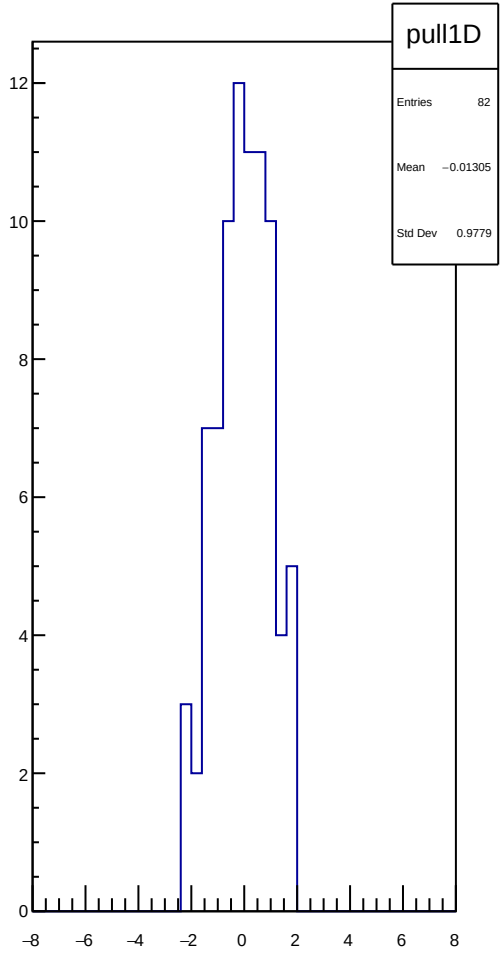

asym_at2_avg_rms vs run
χ² / ndf 3590 / 81
p0 1.138e+04 ± 9.005
13500
13000
12500
12000
11500
11000
10500
10000

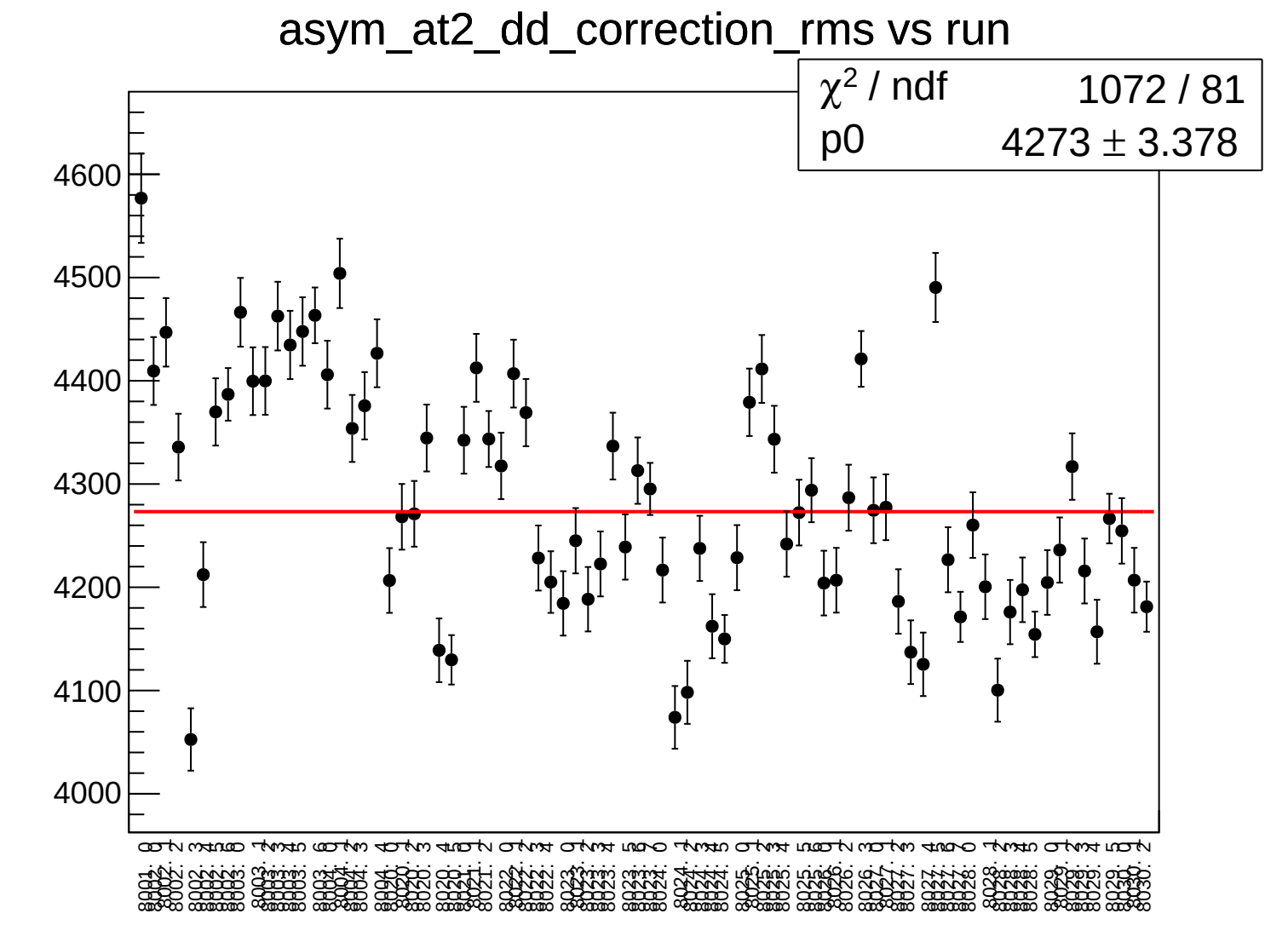

dit_asym_at2_dd_mean vs run
χ² / ndf 89.58 / 81
p0 −2913 ± 1986
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −240.6
Std Dev 244.7
2
1
0
−1
−2

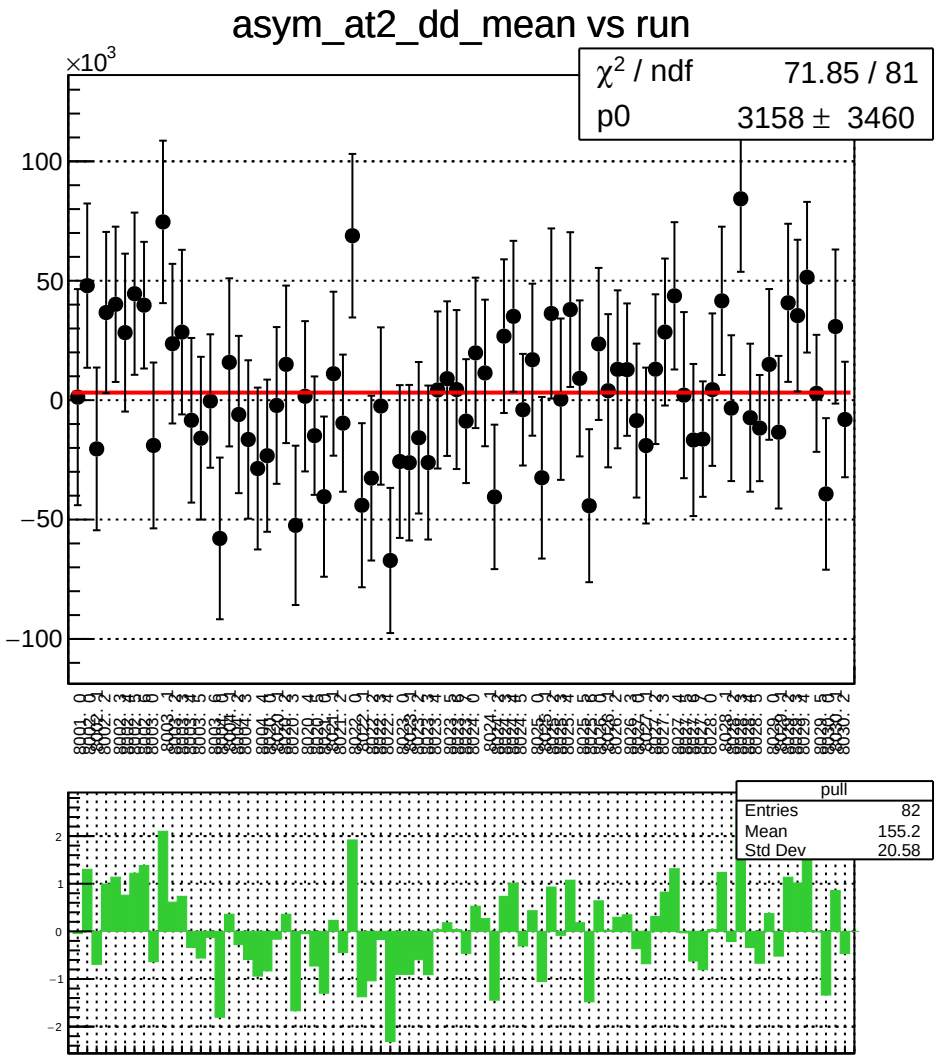

pull1D
Entries 82
Mean −0.008834
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

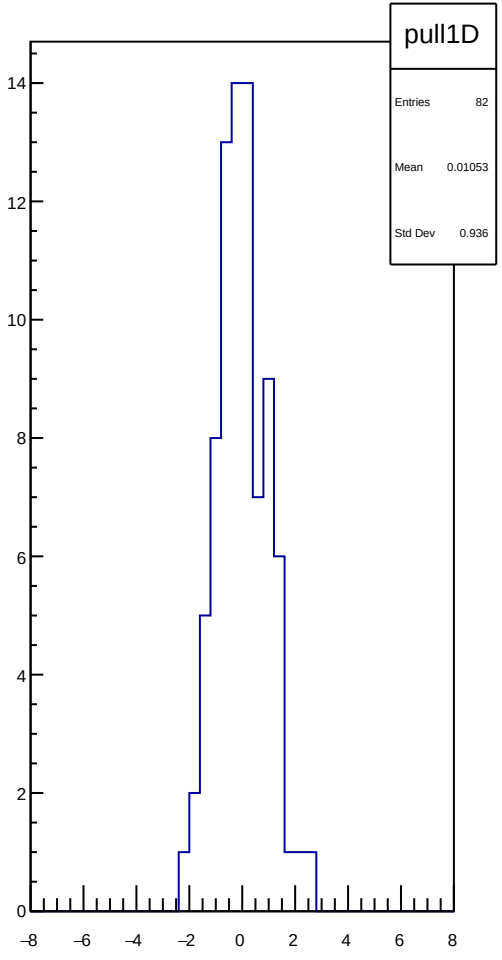

dit_asym_at2_dd_rms vs run
χ² / ndf 481.1 / 81
p0 1777 ± 1.404
1850
1800
1750
1700
1650

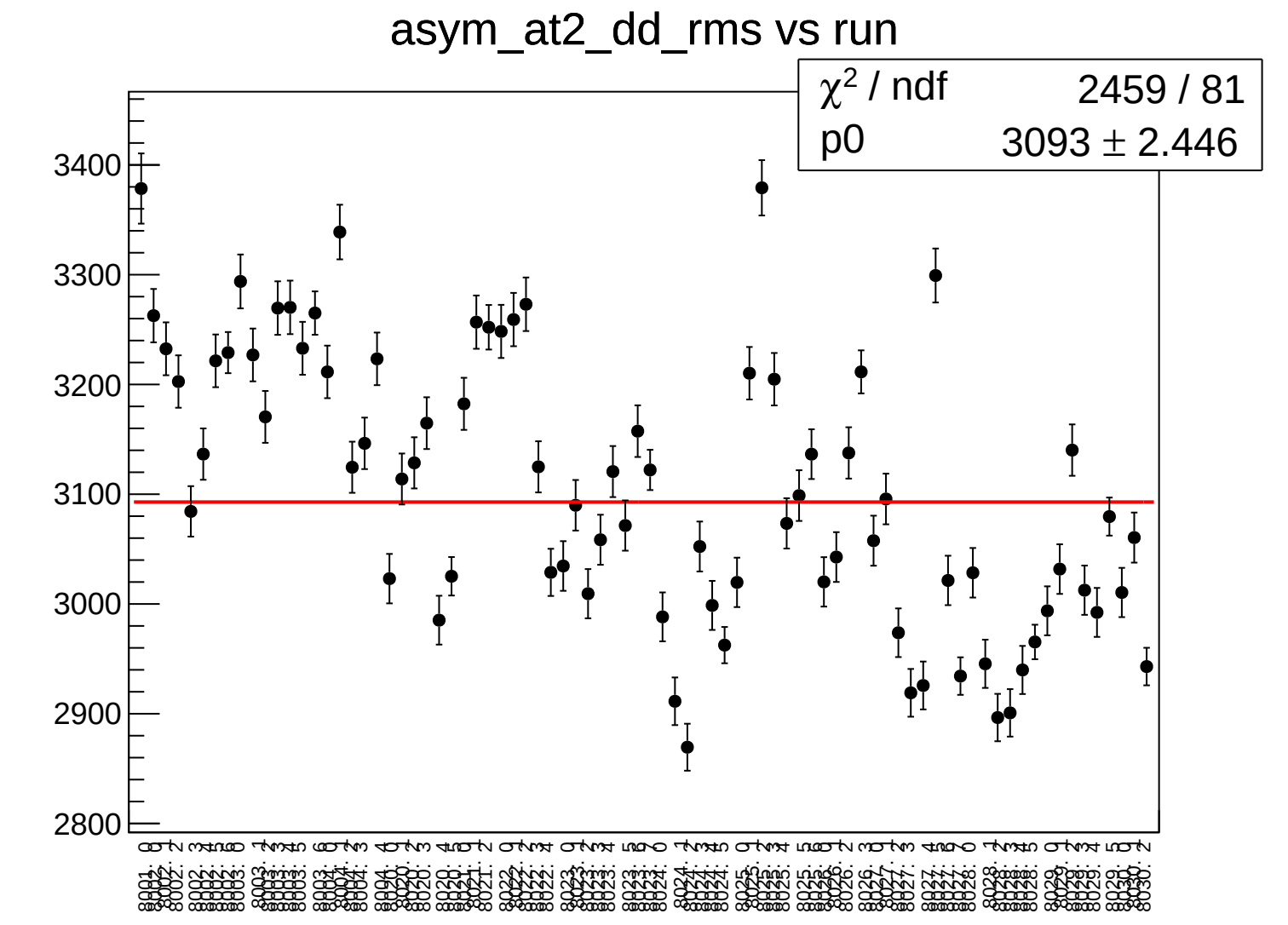

asym_at2_dd_correction_mean vs run
χ² / ndf 78.43 / 81
p0 −5931 ± 4778
×10³
100
50
0
−50
−100
−150
pull
Entries 82
Mean 29.45
Std Dev 115.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

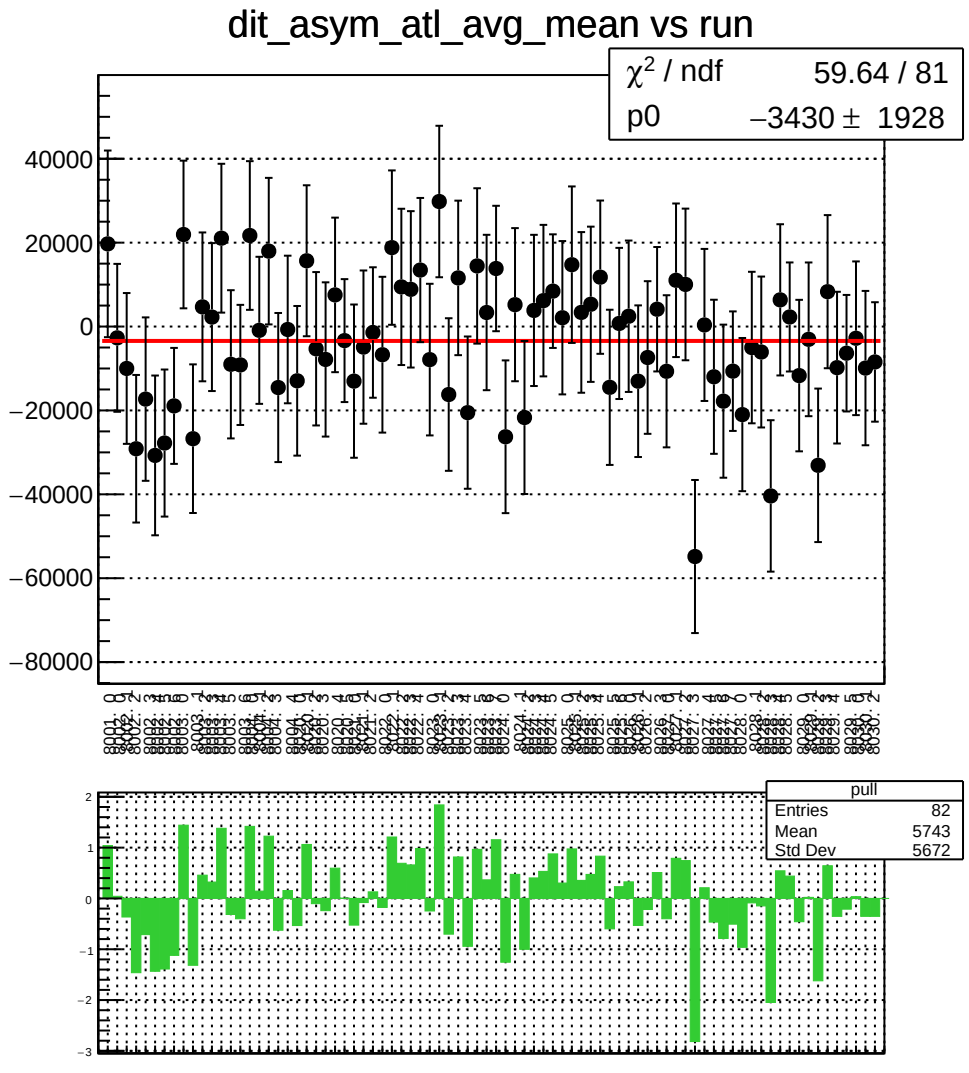

pull1D
Entries 82
Mean −0.01305
Std Dev 0.9779
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

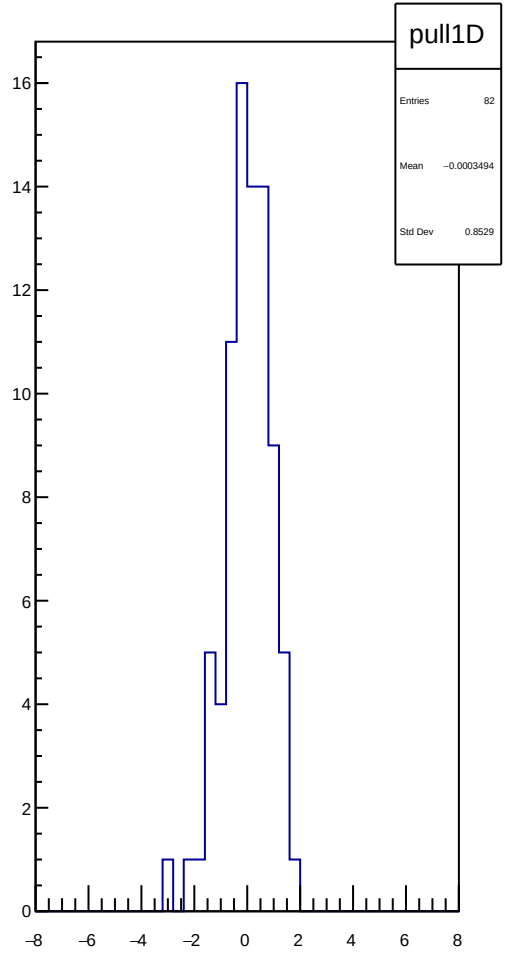

asym_at2_dd_correction_rms vs run
χ² / ndf 1072 / 81
p0 4273 ± 3.378
4600
4500
4400
4300
4200
4100
4000

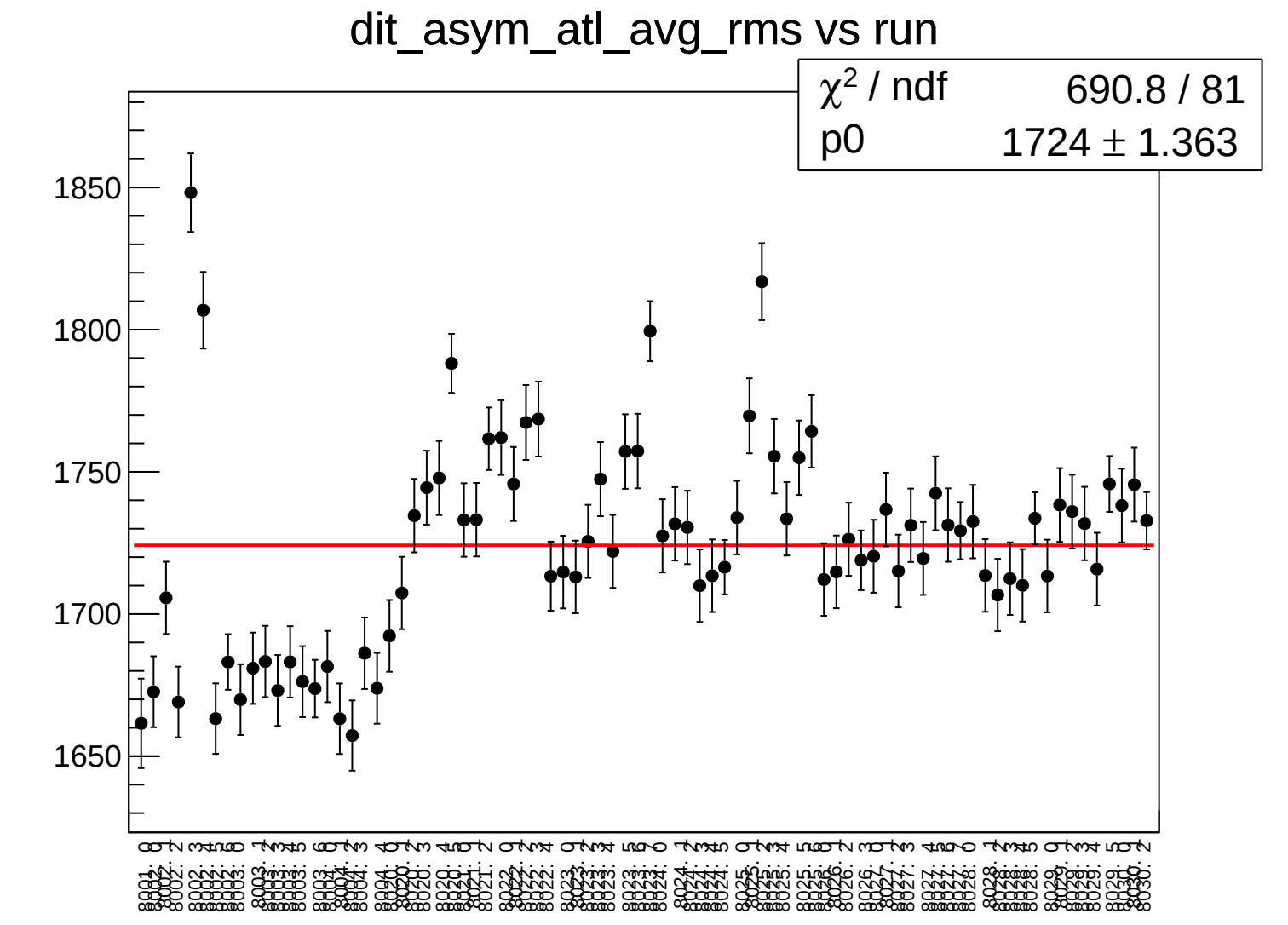

asym_at2_dd_mean vs run
×10^3
χ² / ndf 71.85 / 81
p0 3158 ± 3460
100
50
0
−50
−100
pull
Entries 82
Mean 155.2
Std Dev 20.58
2
1
0
−1
−2

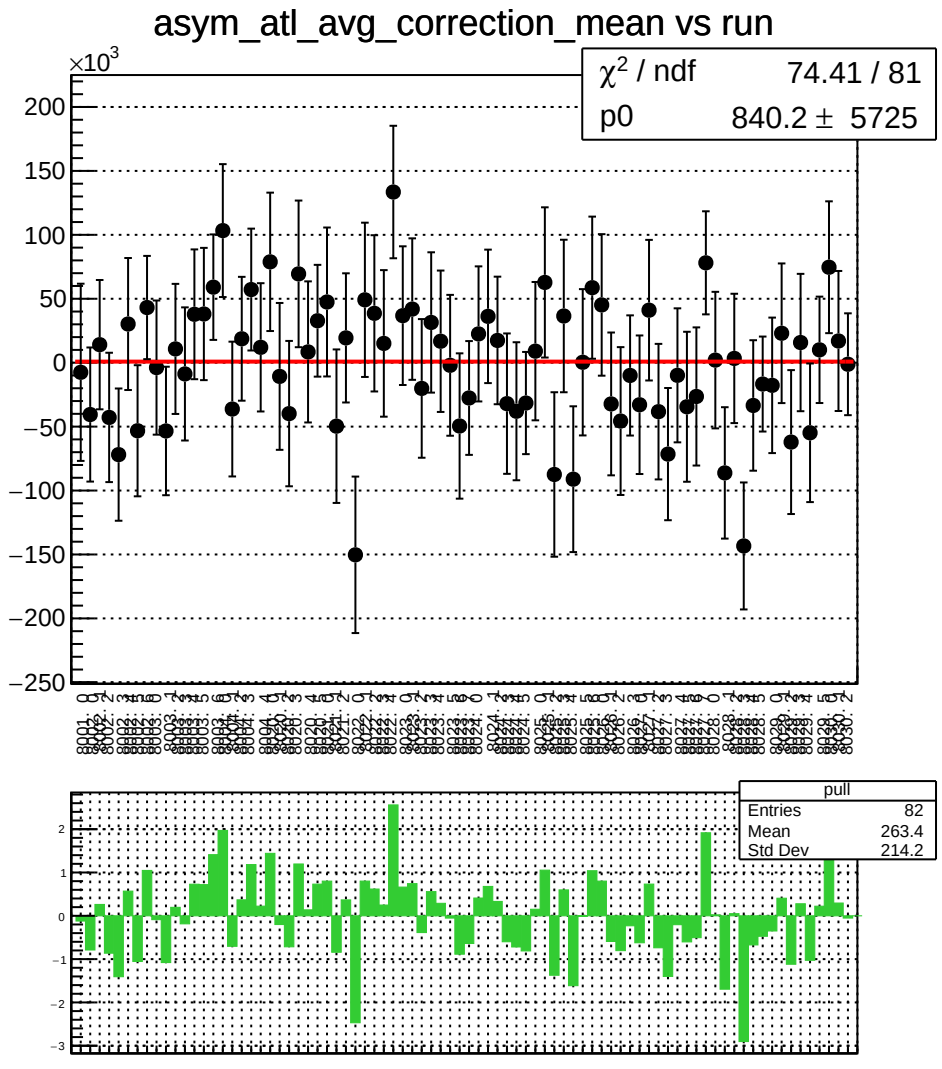

pull1D
Entries 82
Mean 0.01053
Std Dev 0.936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

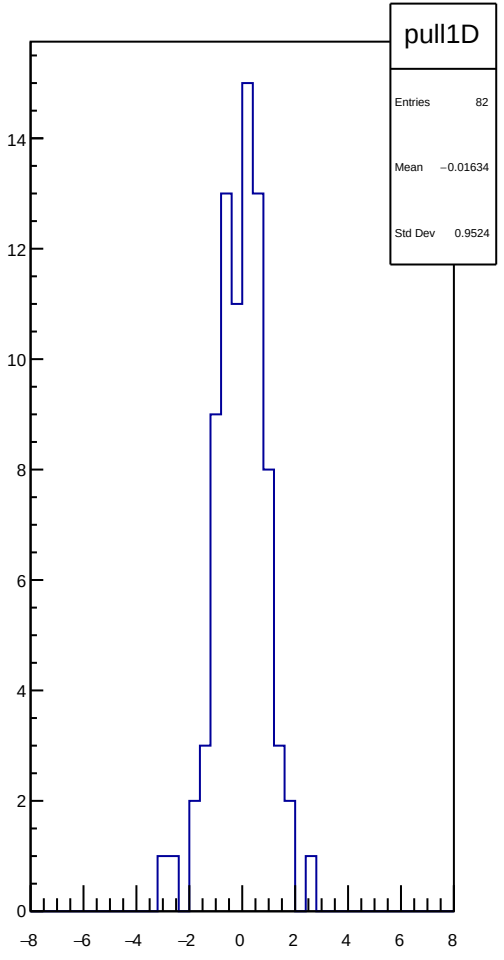

asym_at2_dd_rms vs run
χ² / ndf 2459 / 81
p0 3093 ± 2.446
3400
3300
3200
3100
3000
2900
2800

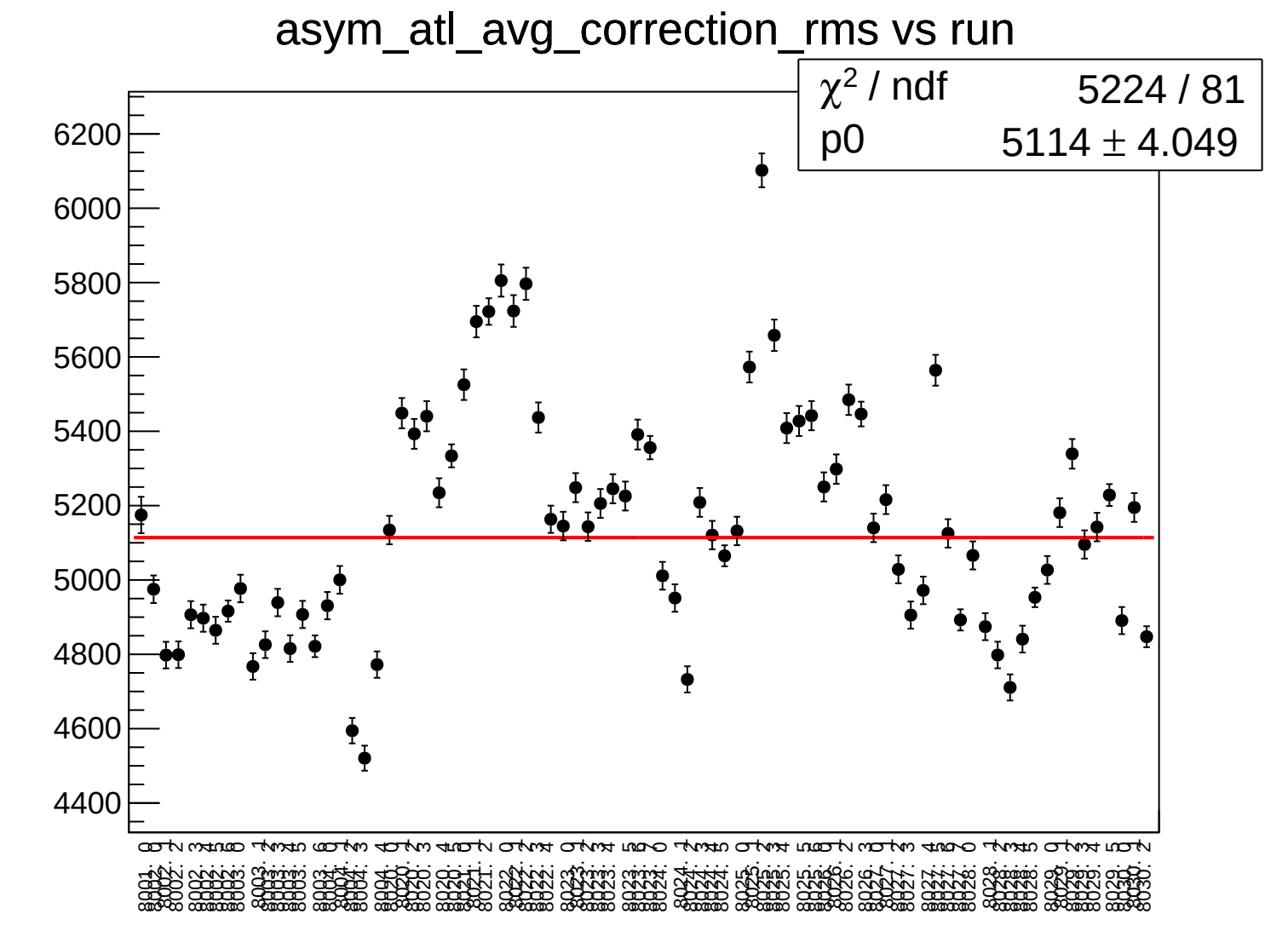

dit_asym_atl_avg_mean vs run
χ² / ndf 59.64 / 81
p0 −3430 ± 1928
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 5743
Std Dev 5672
2
1
0
−1
−2
−3

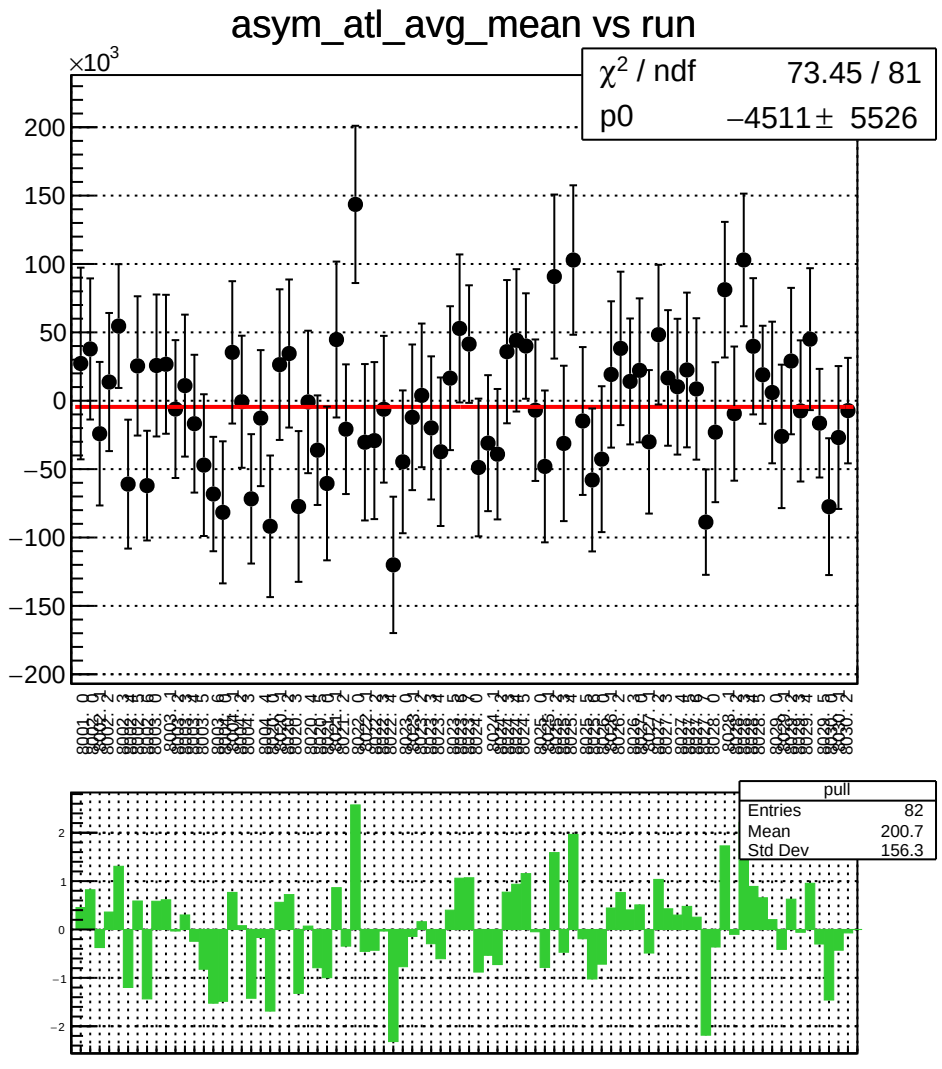

pull1D
Entries 82
Mean −0.0003494
Std Dev 0.8529
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

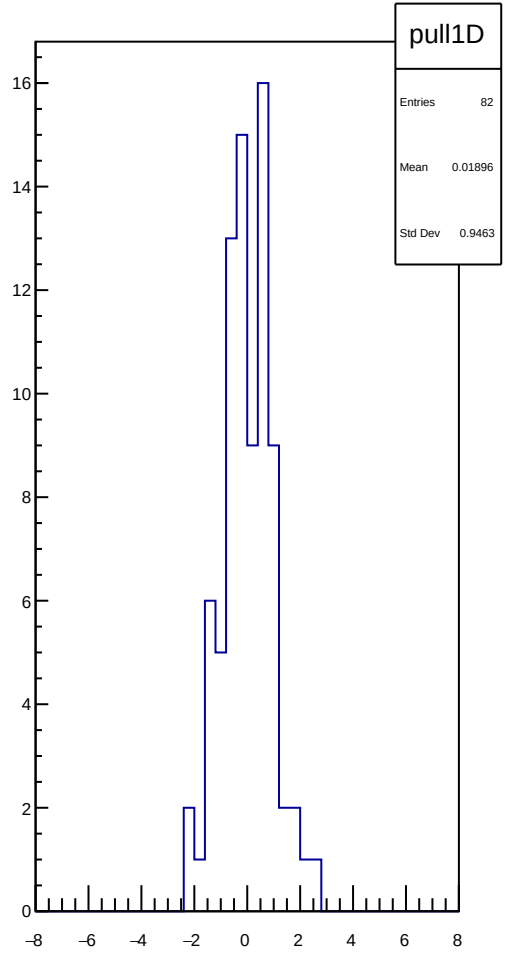

dit_asym_atl_avg_rms vs run
χ² / ndf 690.8 / 81
p0 1724 ± 1.363
1850
1800
1750
1700
1650

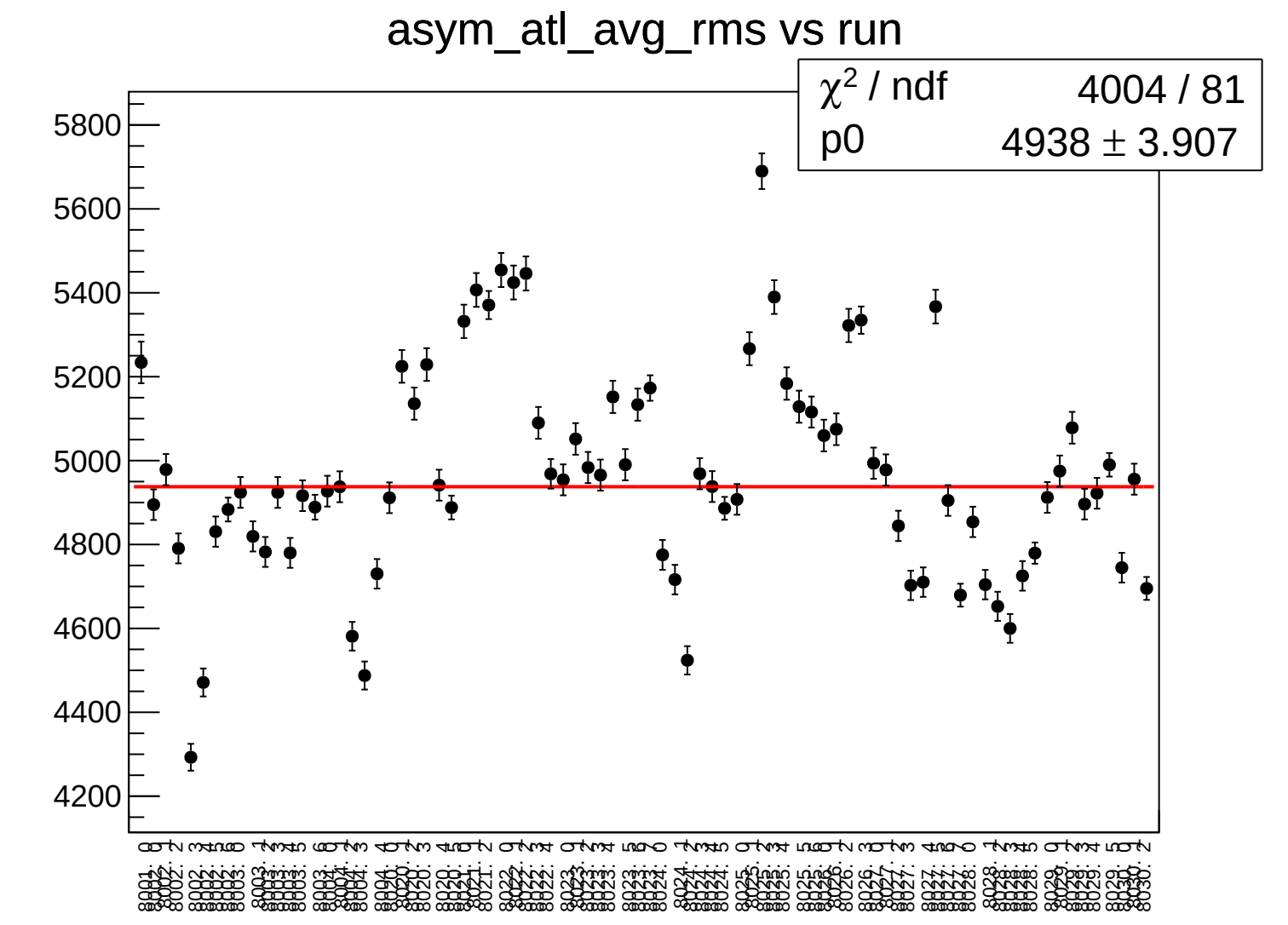

asym_atl_avg_correction_mean vs run
χ² / ndf 74.41 / 81
p0 840.2 ± 5725
×10³
pull
Entries 82
Mean 263.4
Std Dev 214.2

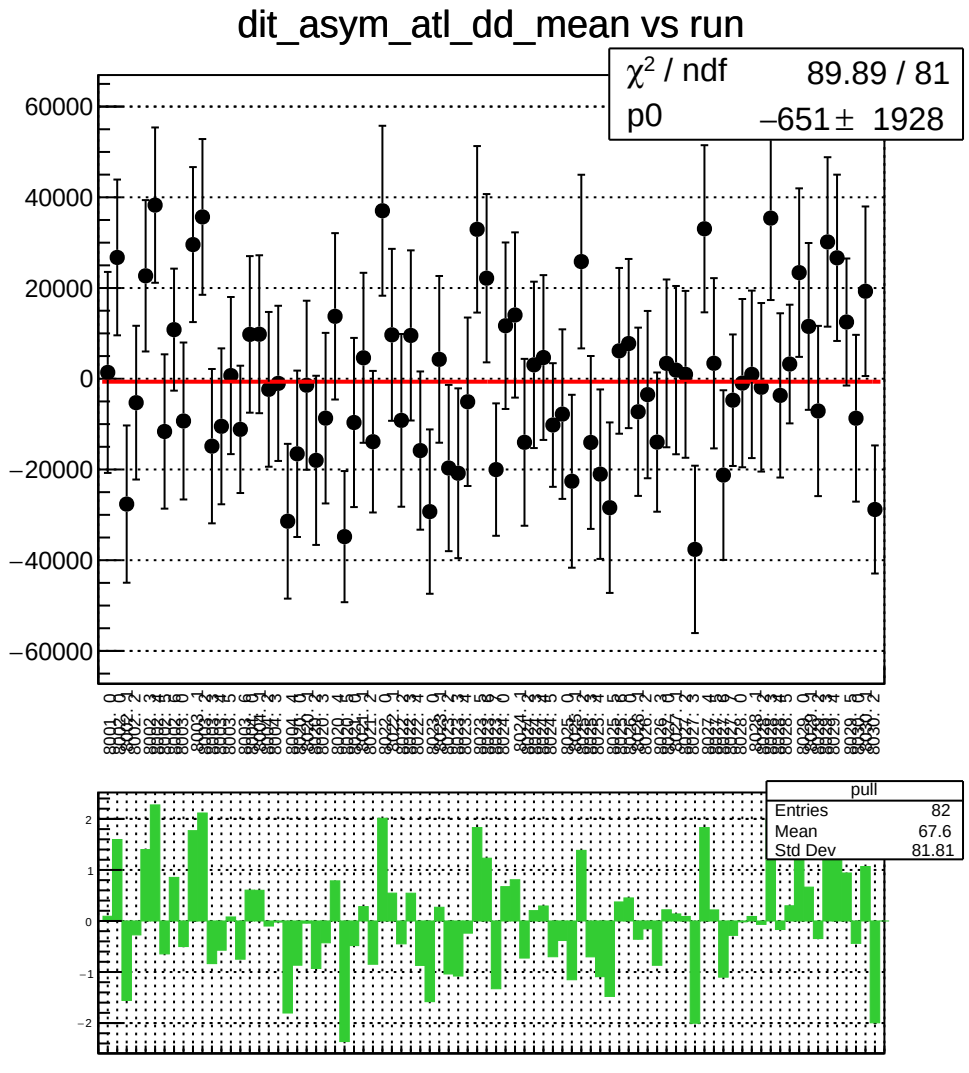

pull1D
Entries 82
Mean −0.01634
Std Dev 0.9524

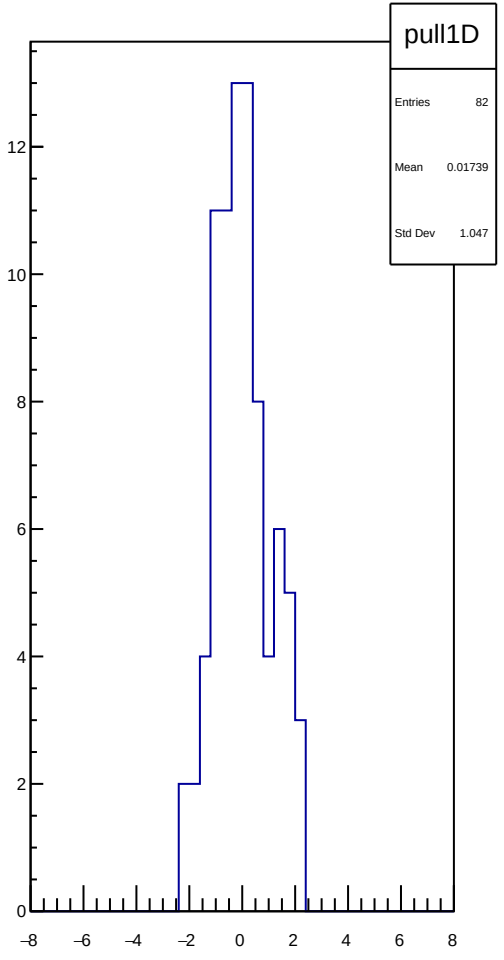

asym_atl_avg_correction_rms vs run
χ² / ndf 5224 / 81
p0 5114 ± 4.049
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

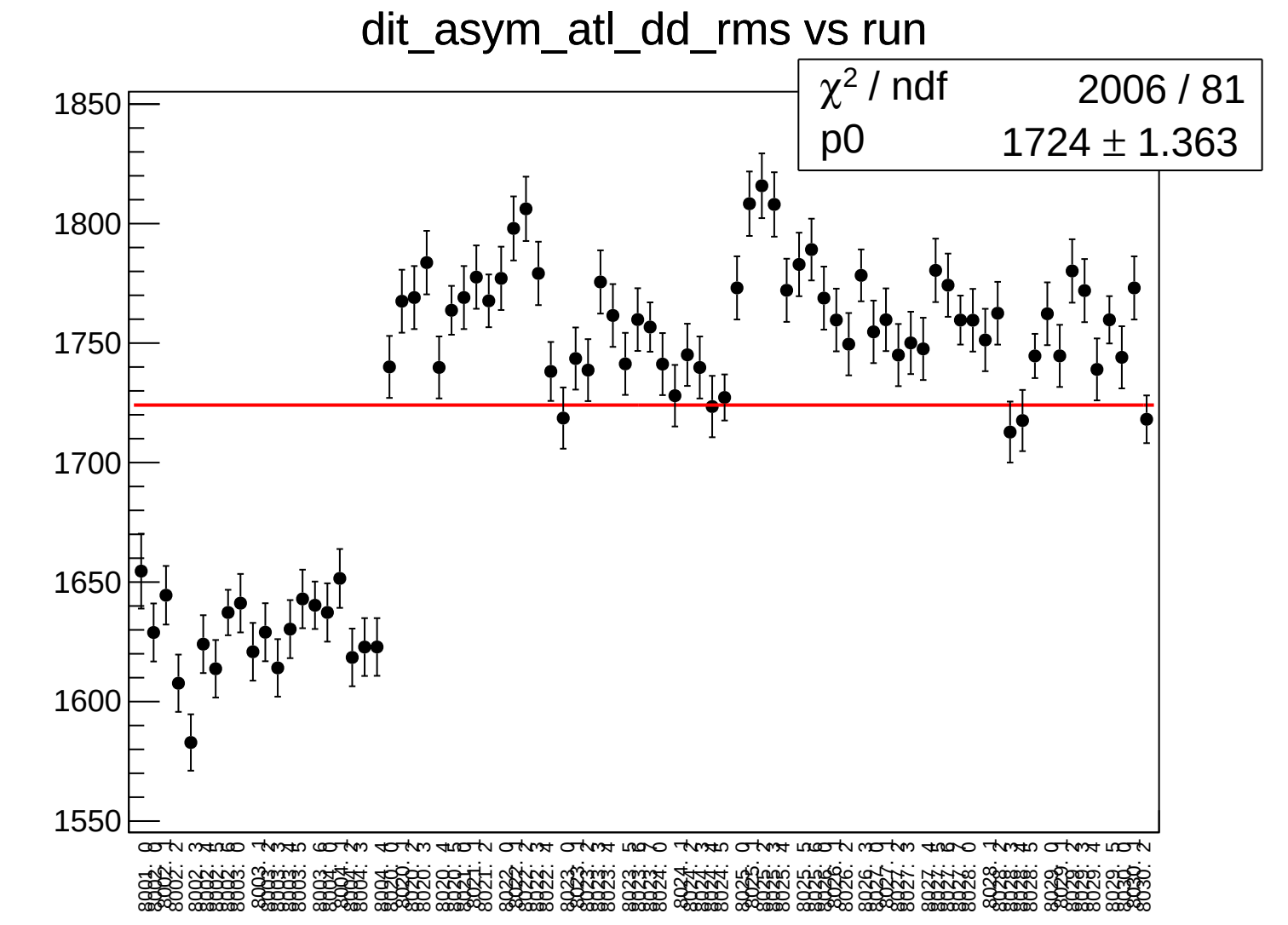

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 73.45 / 81
p0 −4511 ± 5526
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 200.7
Std Dev 156.3
2
1
0
−1
−2

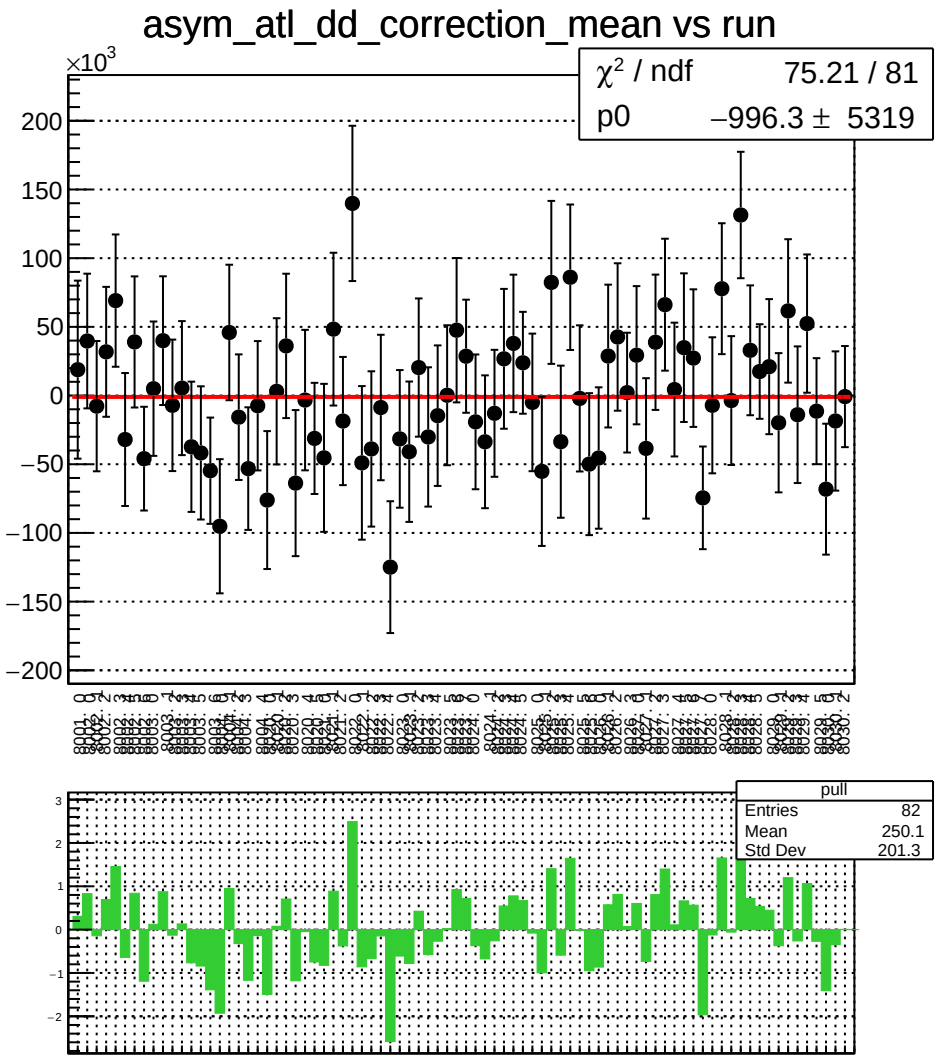

pull1D
Entries 82
Mean 0.01896
Std Dev 0.9463
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

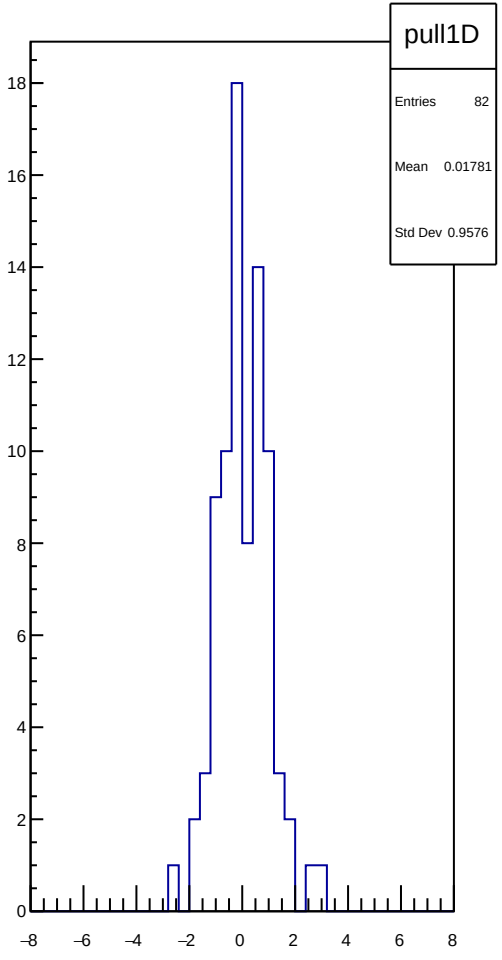

asym_atl_avg_rms vs run
χ² / ndf 4004 / 81
p0 4938 ± 3.907
5800
5600
5400
5200
5000
4800
4600
4400
4200

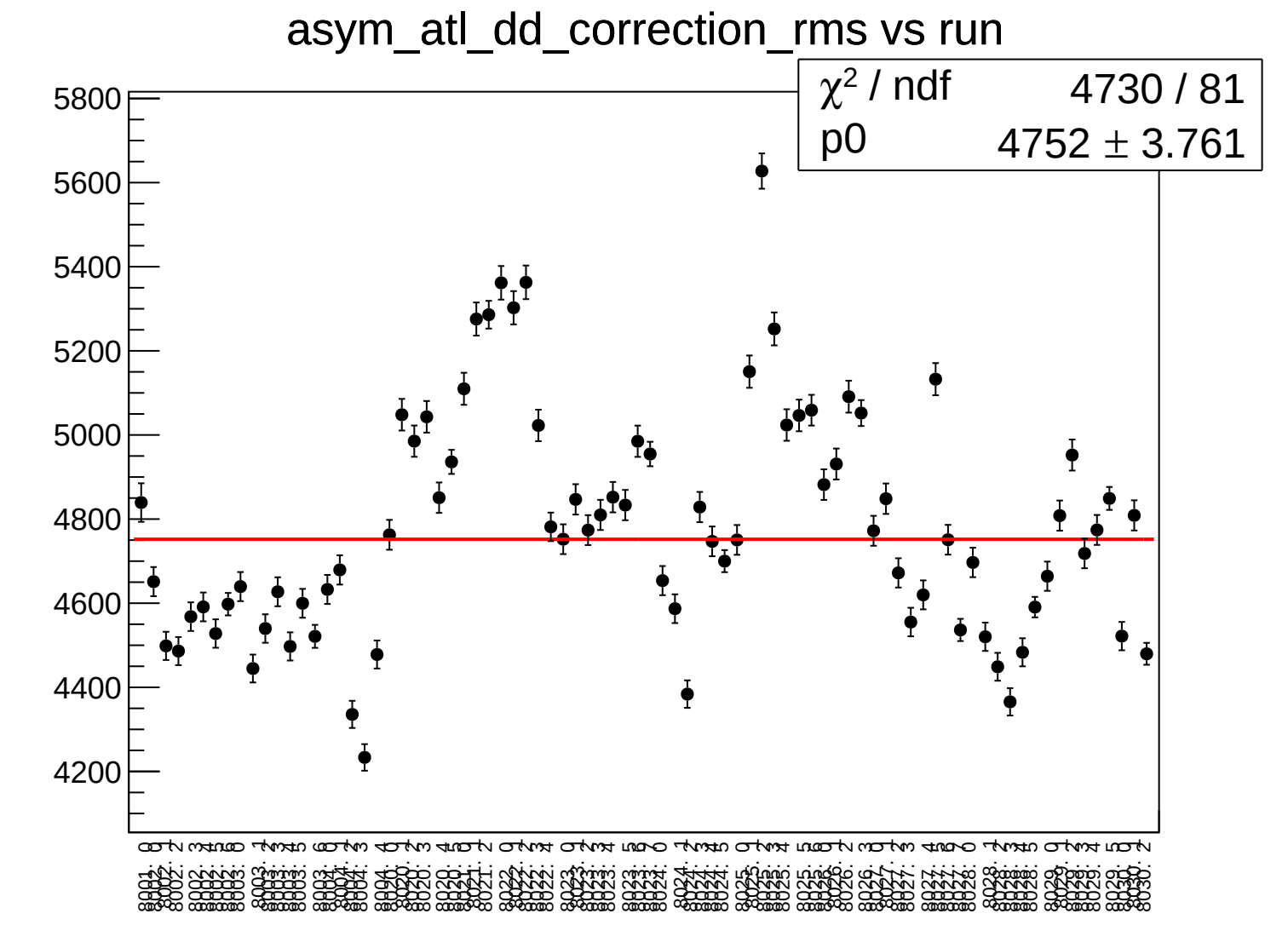

dit_asym_atl_dd_mean vs run
χ² / ndf 89.89 / 81
p0 −651 ± 1928
pull
Entries 82
Mean 67.6
Std Dev 81.81

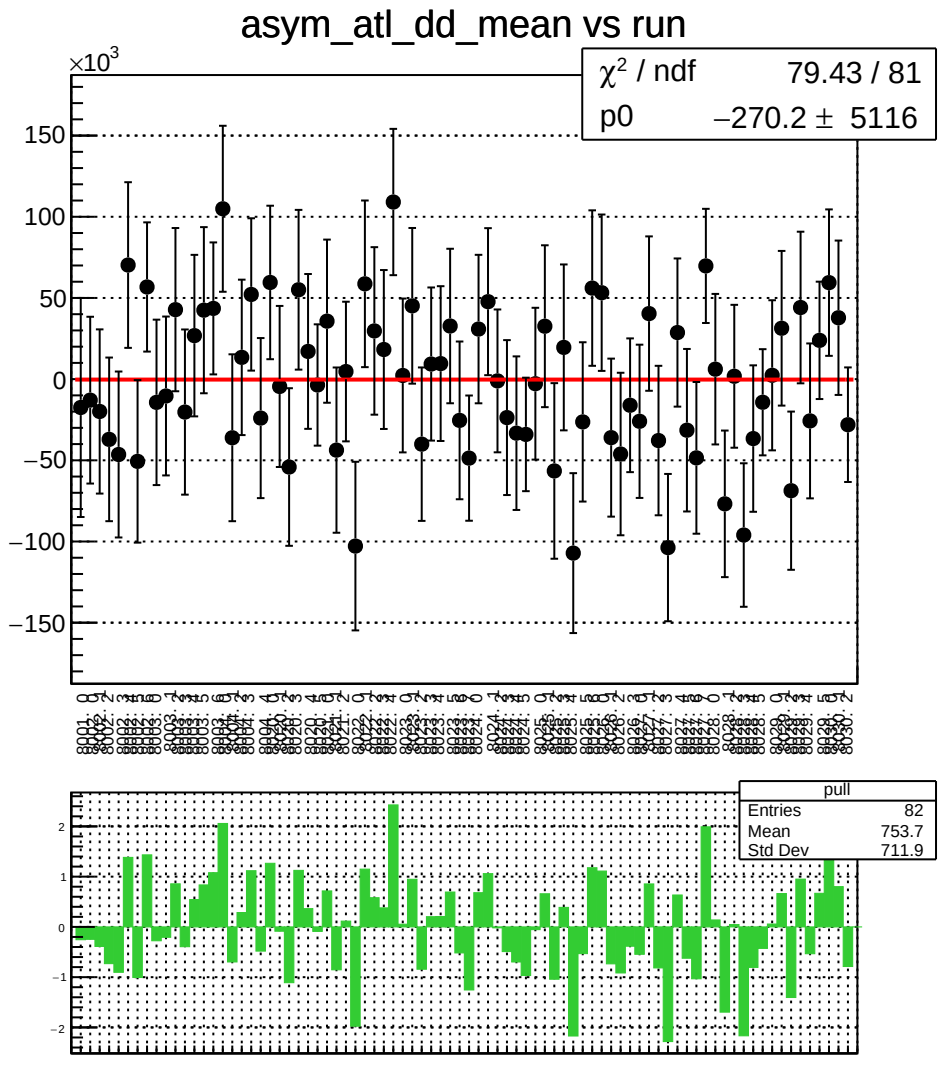

pull1D
Entries 82
Mean 0.01739
Std Dev 1.047

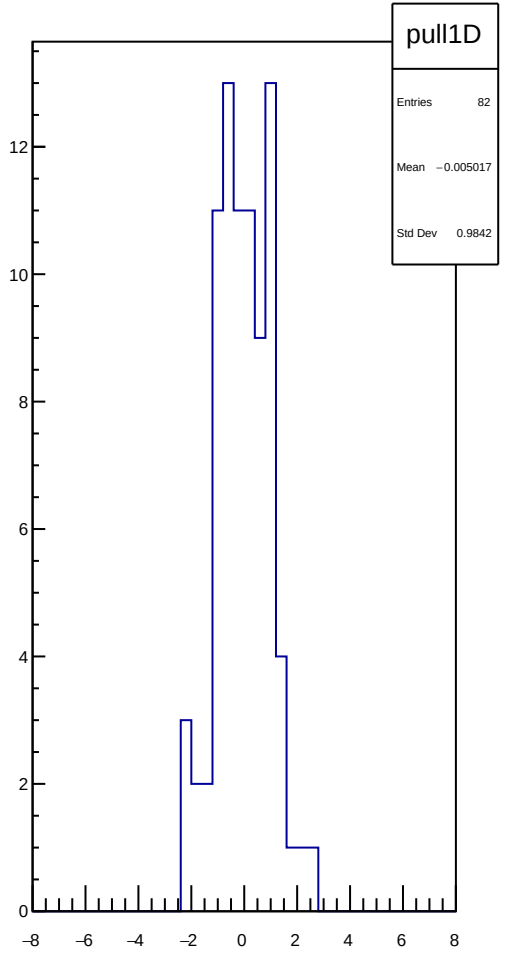

dit_asym_atl_dd_rms vs run
χ² / ndf 2006 / 81
p0 1724 ± 1.363
1850
1800
1750
1700
1650
1600
1550

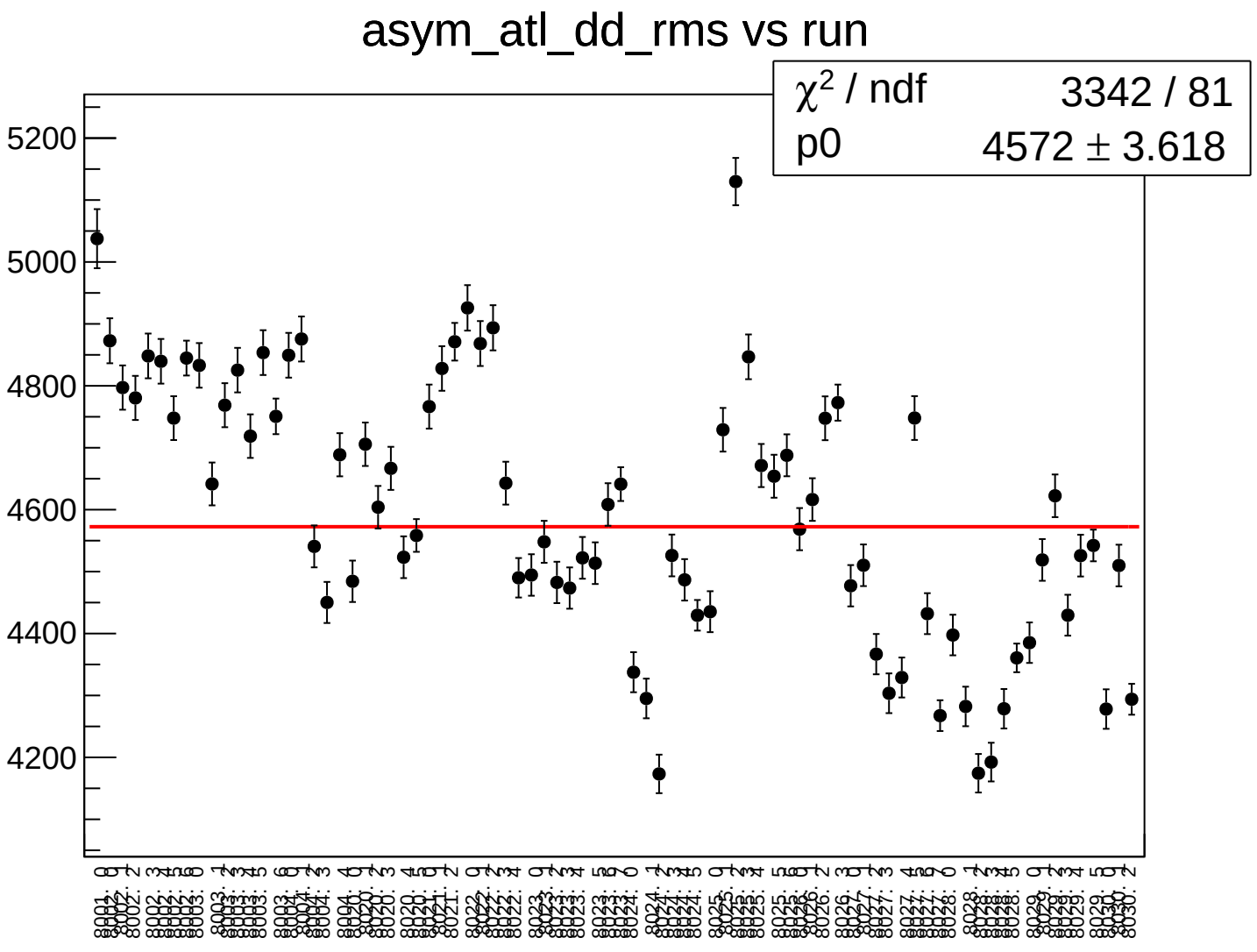

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 75.21 / 81
p0 −996.3 ± 5319
pull
Entries 82
Mean 250.1
Std Dev 201.3

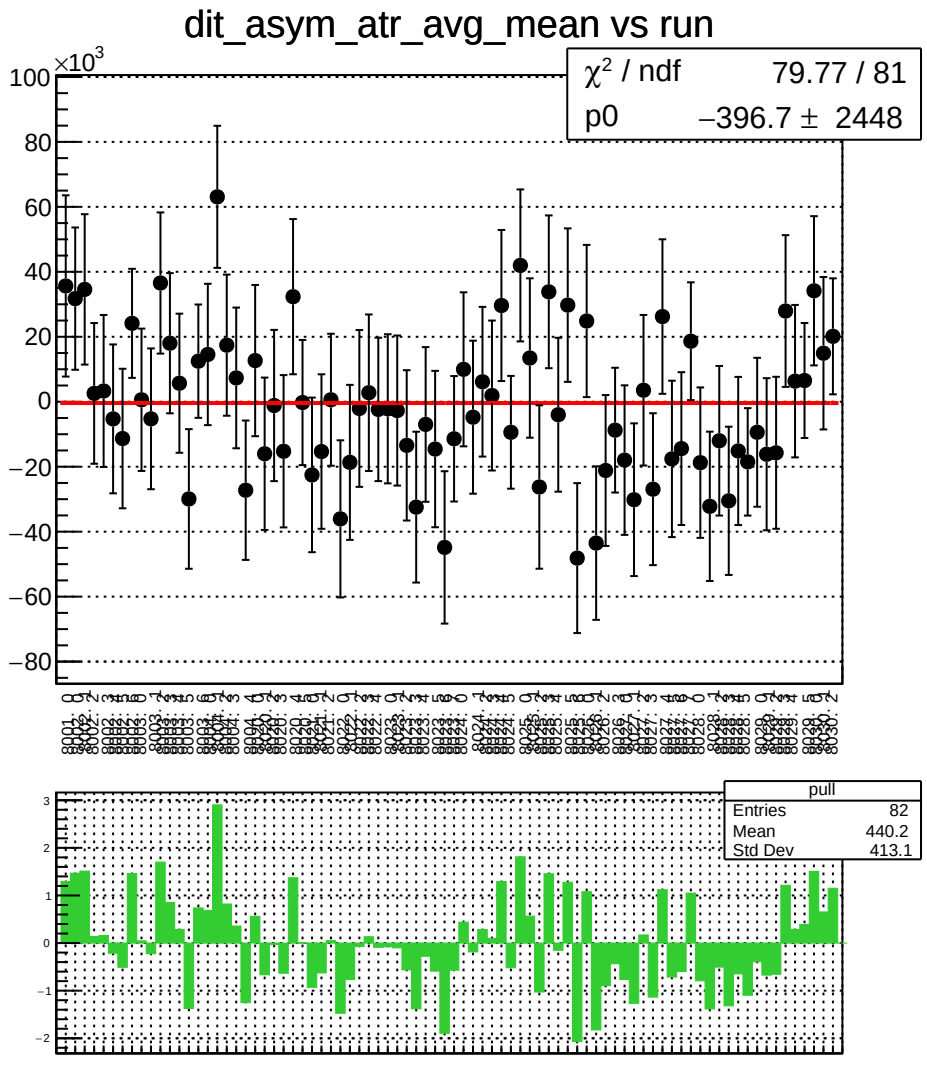

pull1D
Entries 82
Mean 0.01781
Std Dev 0.9576

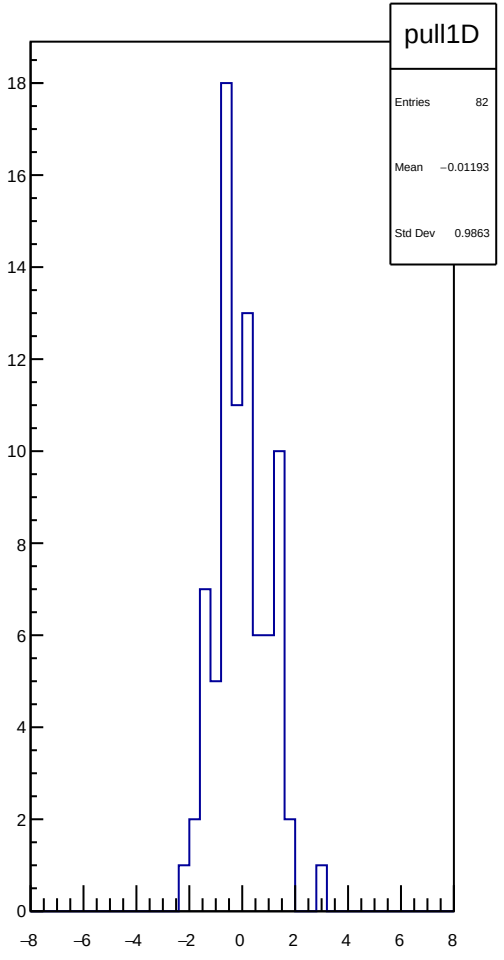

asym_atl_dd_correction_rms vs run
χ² / ndf 4730 / 81
p0 4752 ± 3.761
5800
5600
5400
5200
5000
4800
4600
4400
4200

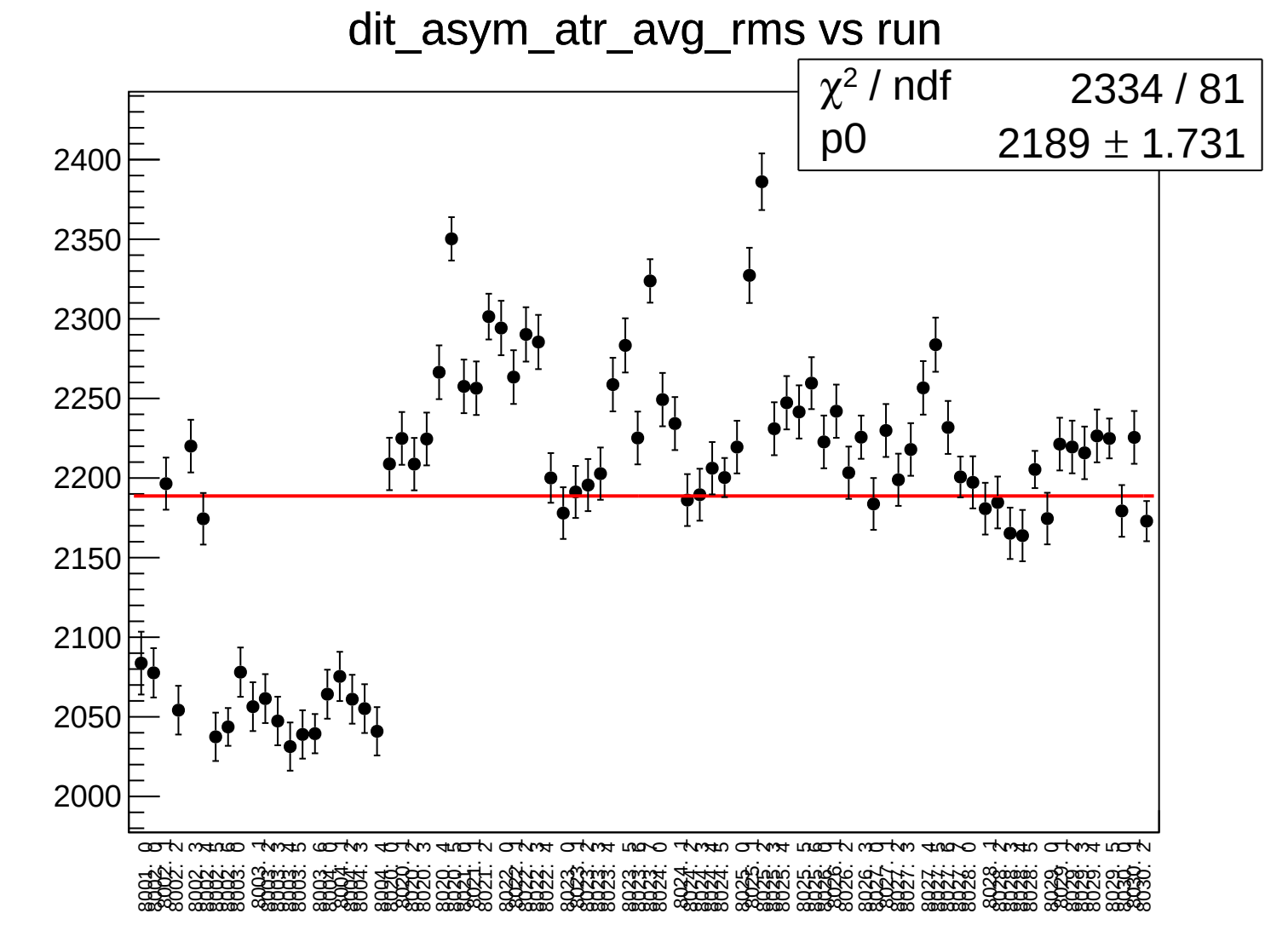

asym_atl_dd_mean vs run
×10^3
χ² / ndf 79.43 / 81
p0 −270.2 ± 5116
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 753.7
Std Dev 711.9
2
1
0
−1
−2

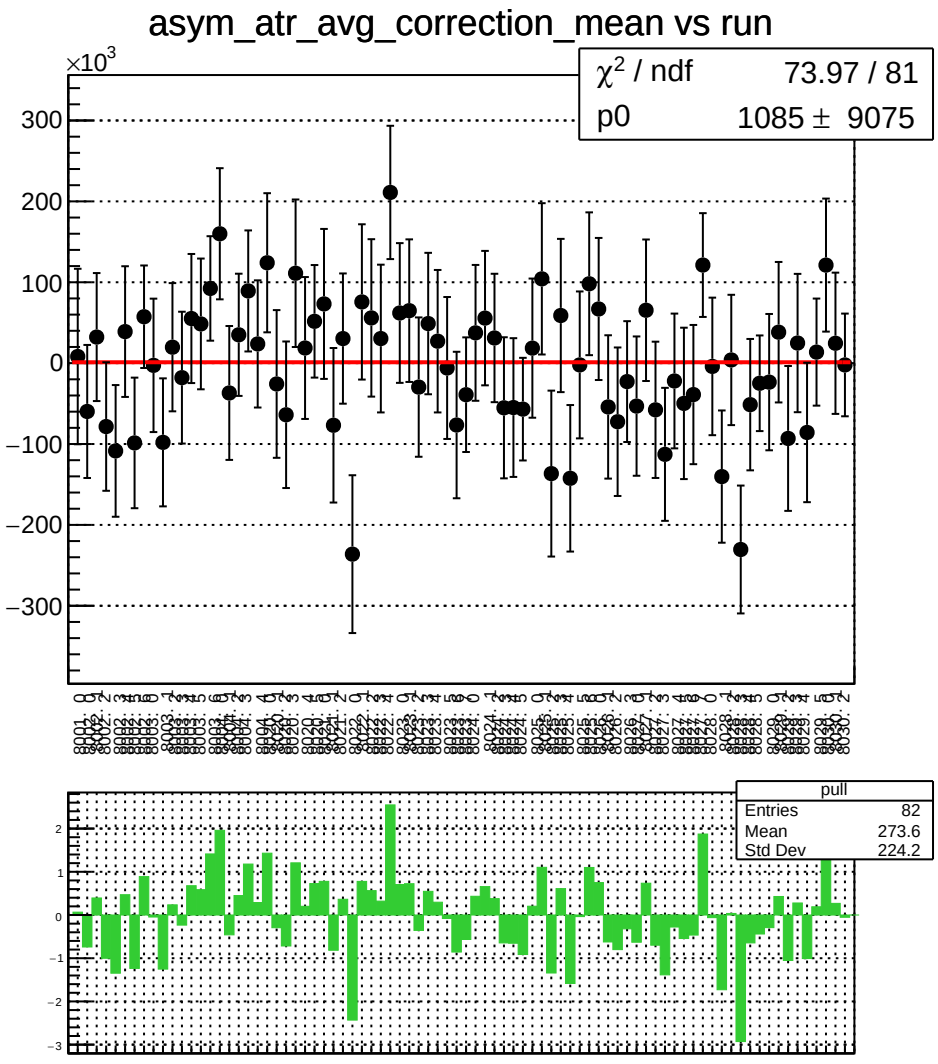

pull1D
Entries 82
Mean −0.005017
Std Dev 0.9842
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

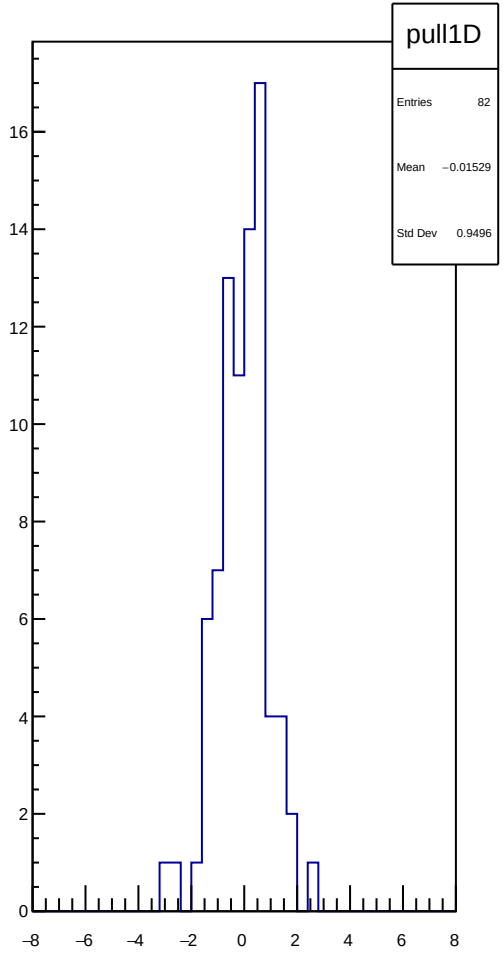

asym_atl_dd_rms vs run
χ^2 / ndf 3342 / 81
p0 4572 ± 3.618
5200
5000
4800
4600
4400
4200

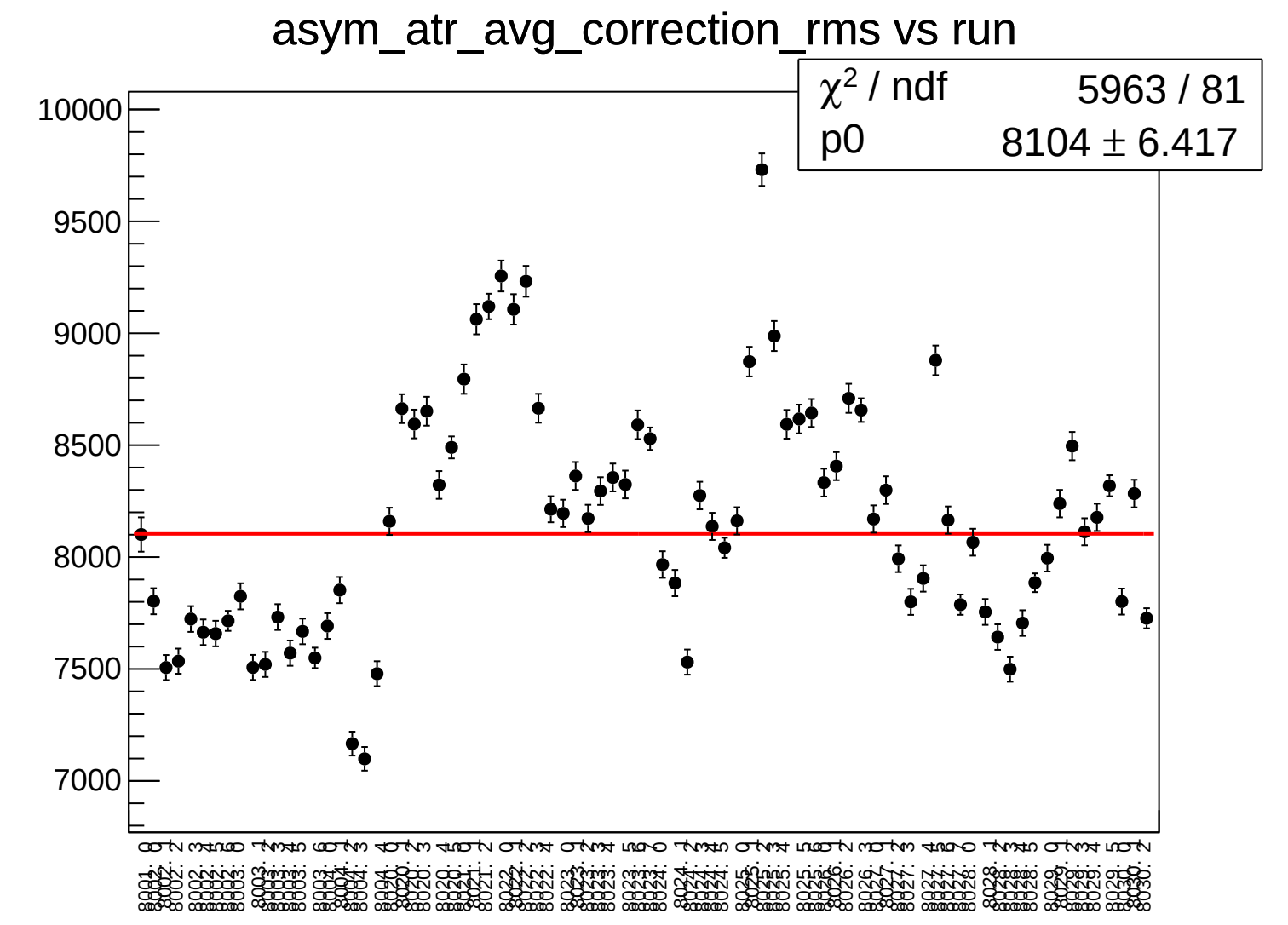

dit_asym_atr_avg_mean vs run
χ² / ndf 79.77 / 81
p0 −396.7 ± 2448
pull
Entries 82
Mean 440.2
Std Dev 413.1

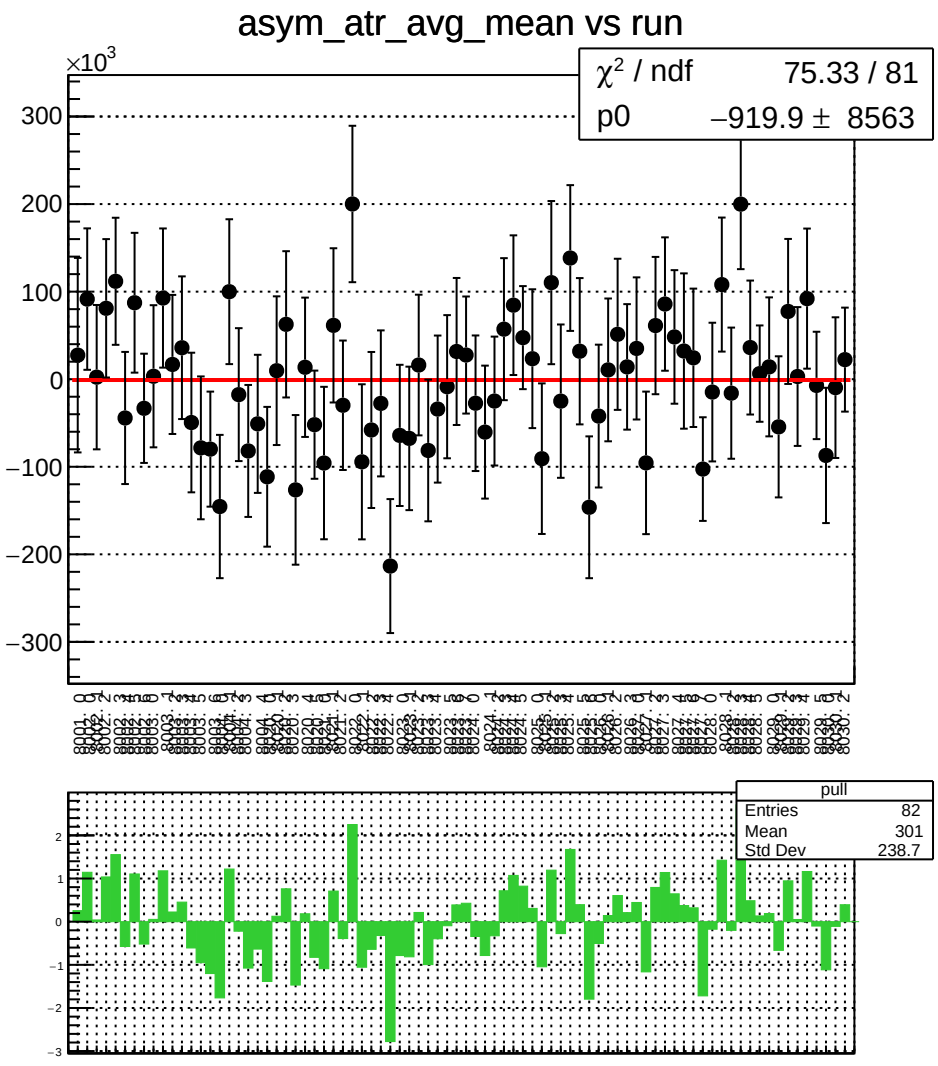

pull1D
Entries 82
Mean −0.01193
Std Dev 0.9863

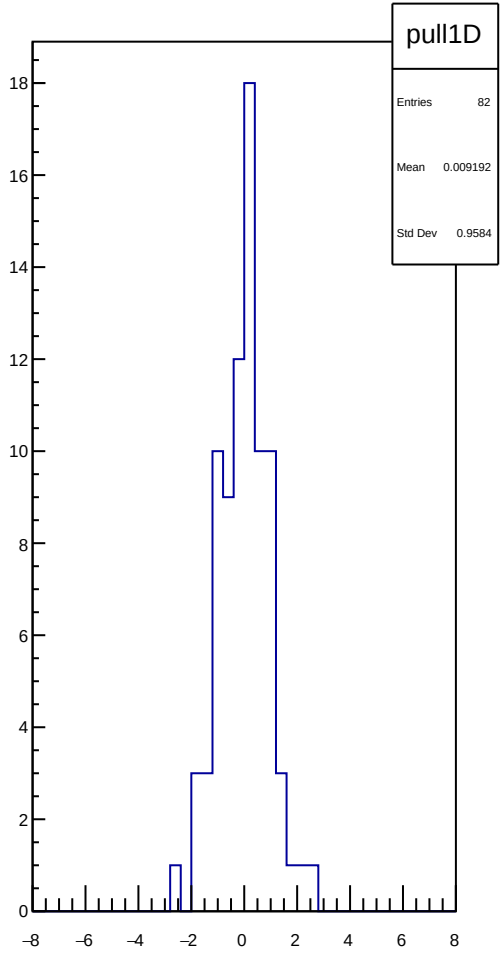

dit_asym_atr_avg_rms vs run
χ² / ndf 2334 / 81
p0 2189 ± 1.731
2400
2350
2300
2250
2200
2150
2100
2050
2000

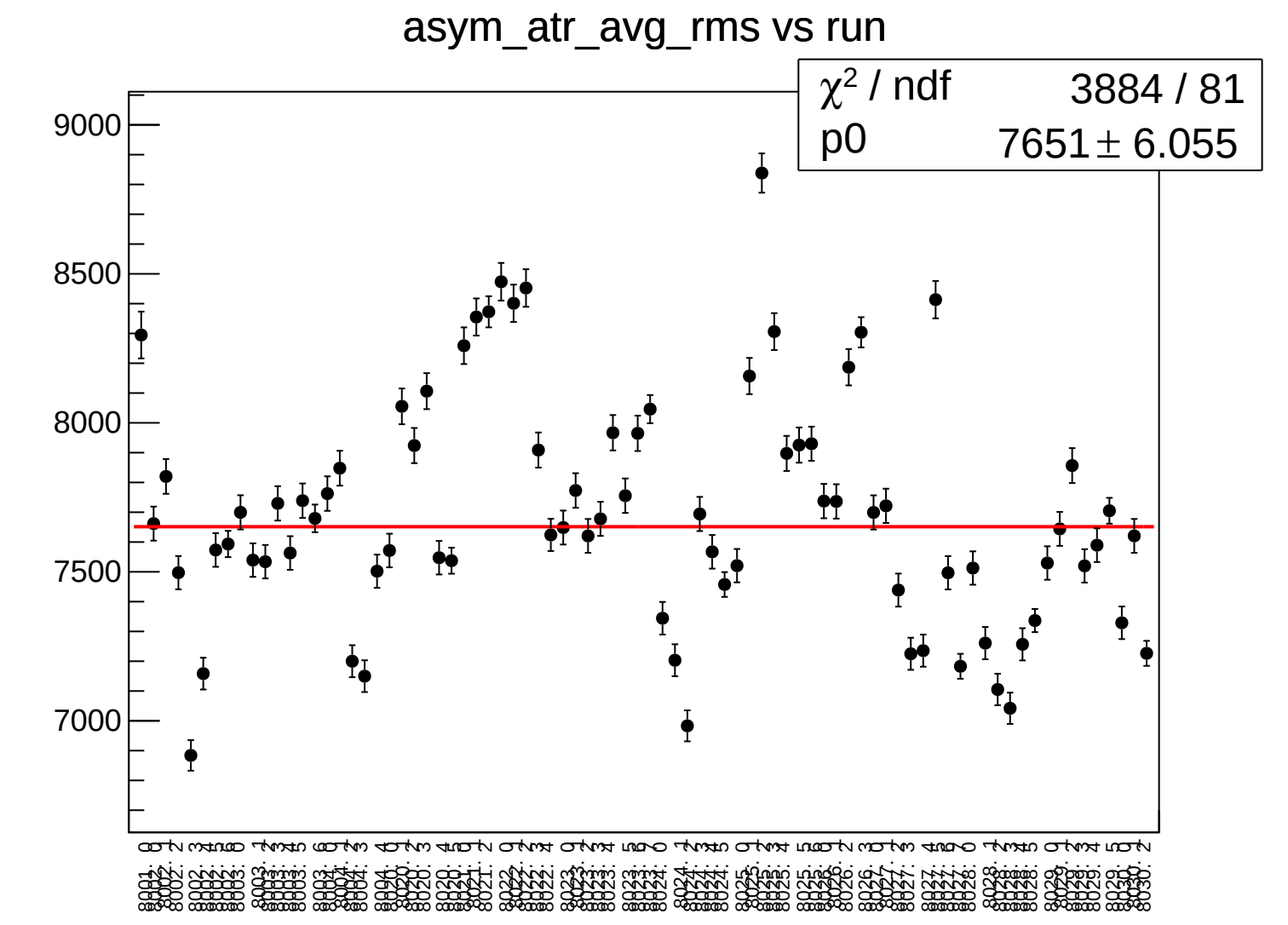

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 73.97 / 81
p0 1085 ± 9075
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean 273.6
Std Dev 224.2
2
1
0
−1
−2
−3

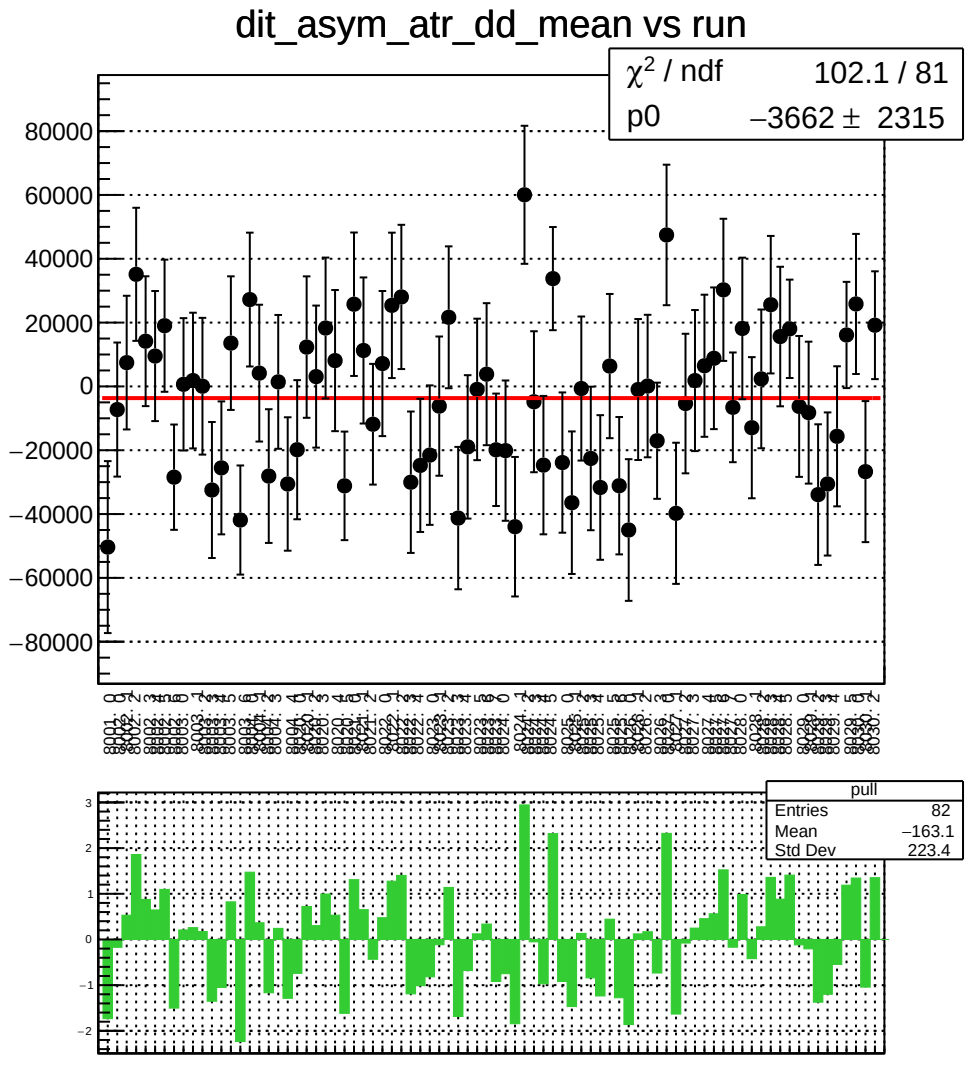

pull1D
Entries 82
Mean −0.01529
Std Dev 0.9496
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

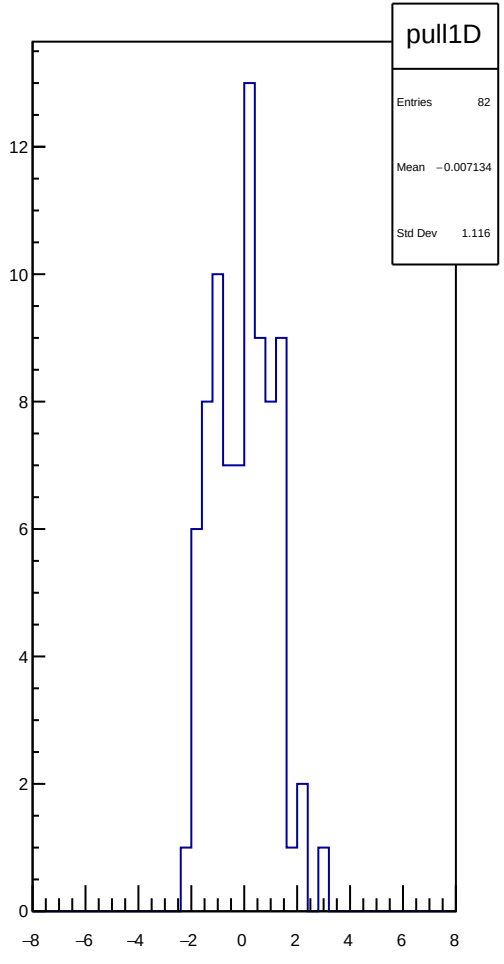

asym_atr_avg_correction_rms vs run
χ^2 / ndf 5963 / 81
p0 8104 ± 6.417
10000
9500
9000
8500
8000
7500
7000

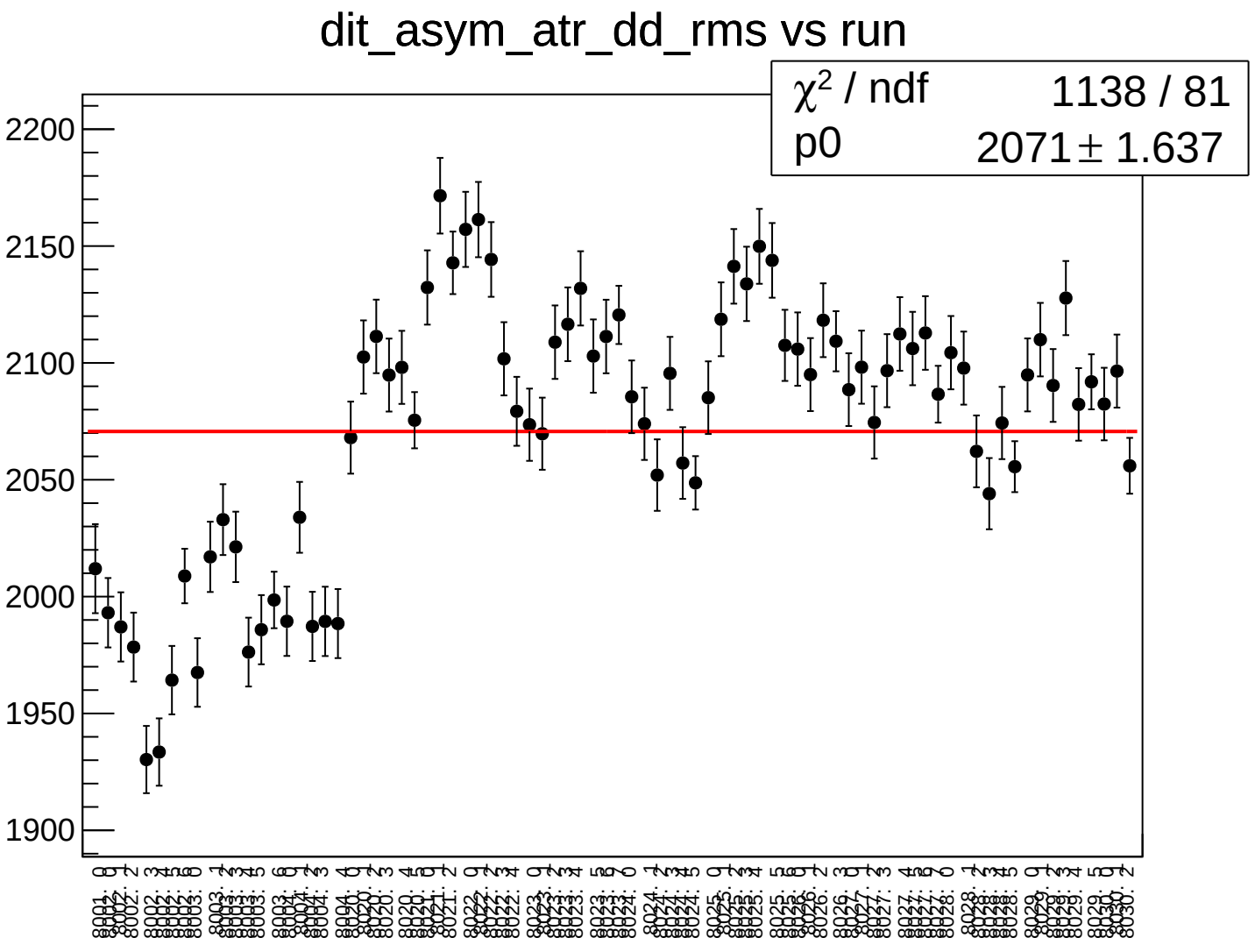

asym_atr_avg_mean vs run
×10^3
χ² / ndf 75.33 / 81
p0 −919.9 ± 8563
pull
Entries 82
Mean 301
Std Dev 238.7

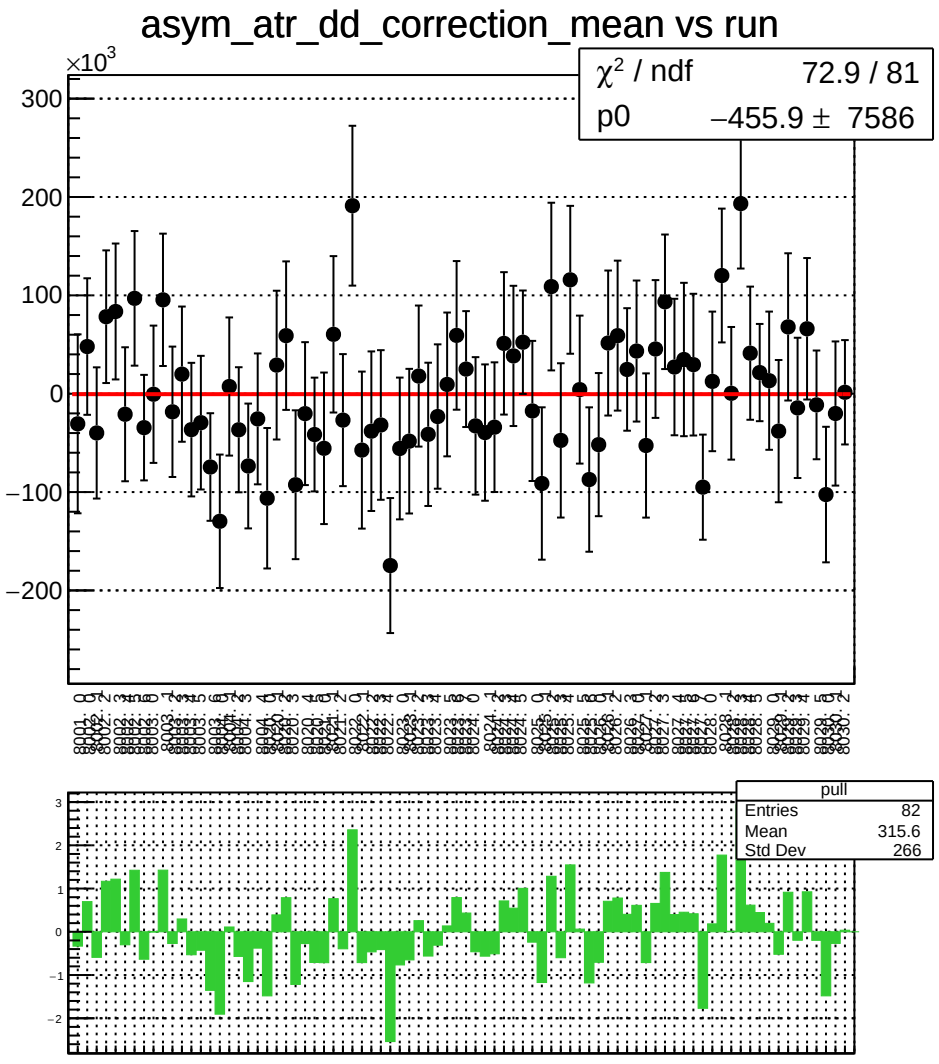

pull1D
Entries 82
Mean 0.009192
Std Dev 0.9584

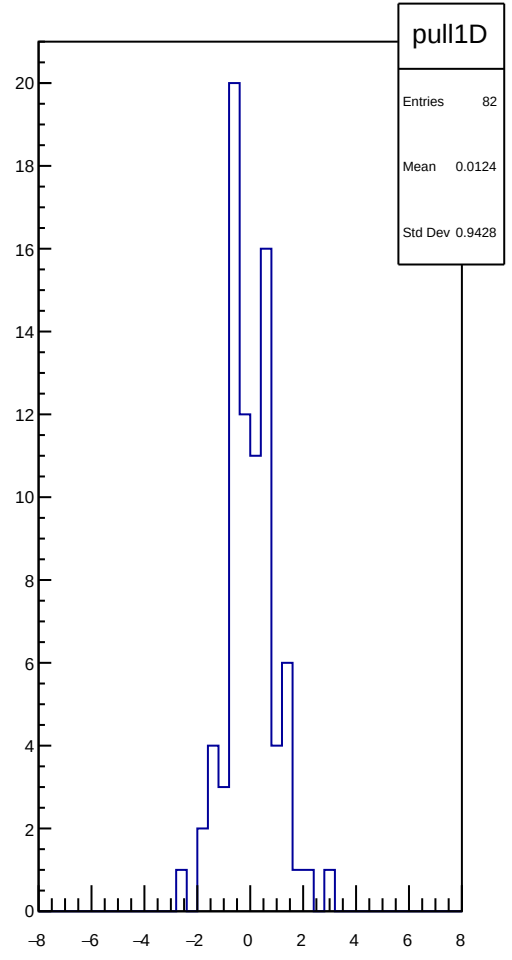

asym_atr_avg_rms vs run
χ² / ndf 3884 / 81
p0 7651 ± 6.055
9000
8500
8000
7500
7000

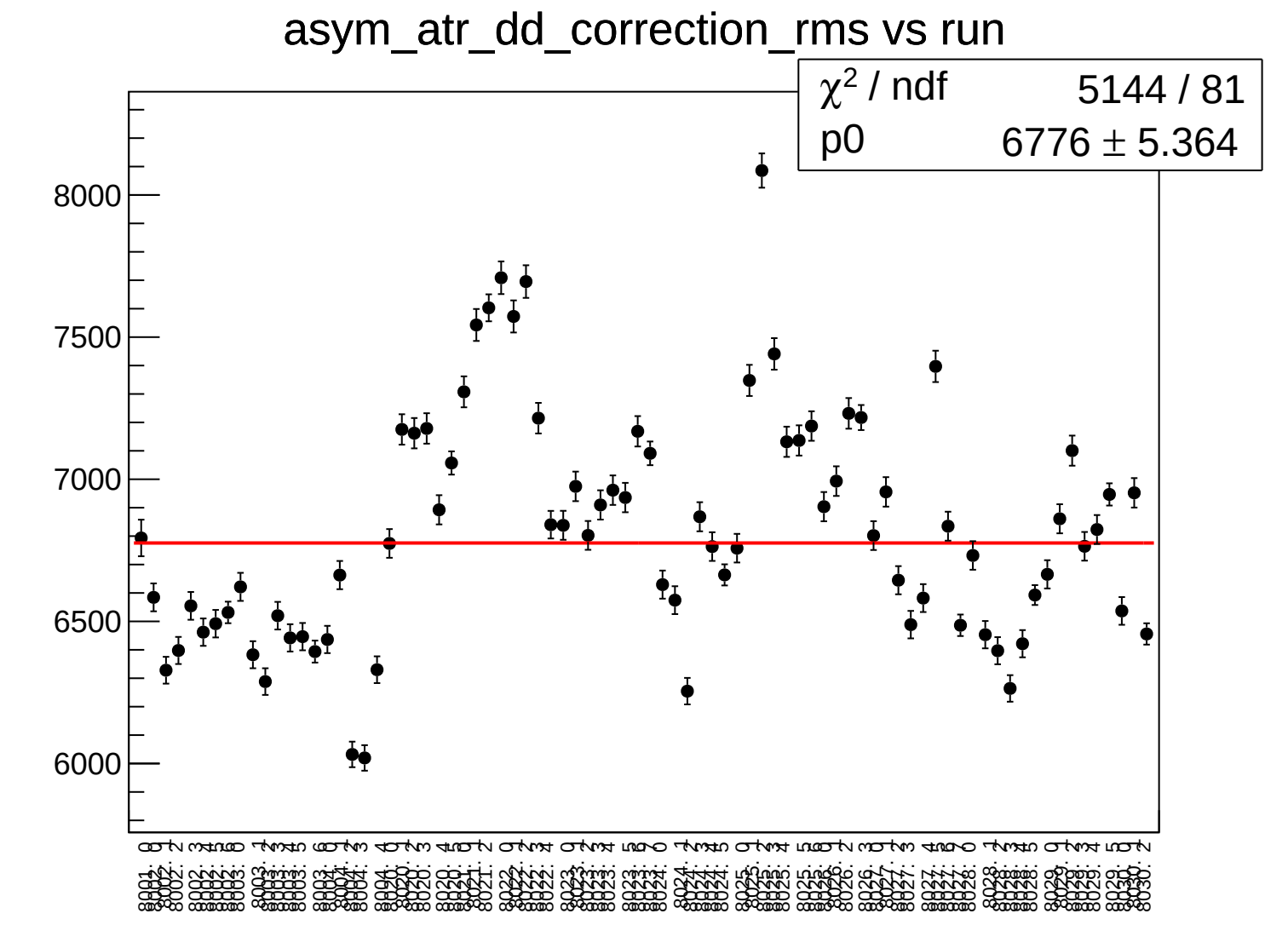

dit_asym_atr_dd_mean vs run
χ² / ndf 102.1 / 81
p0 −3662 ± 2315
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −163.1
Std Dev 223.4
3
2
1
0
−1
−2

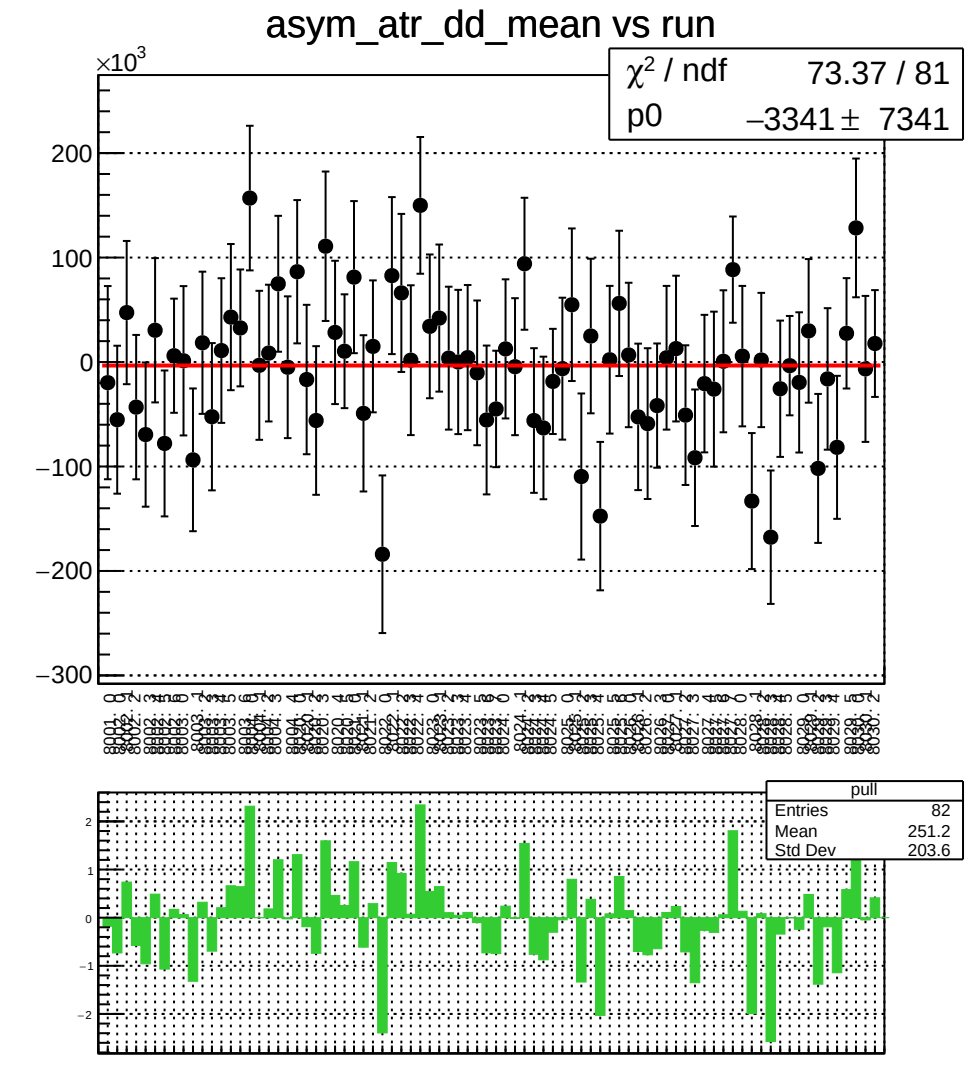

pull1D
Entries 82
Mean −0.007134
Std Dev 1.116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

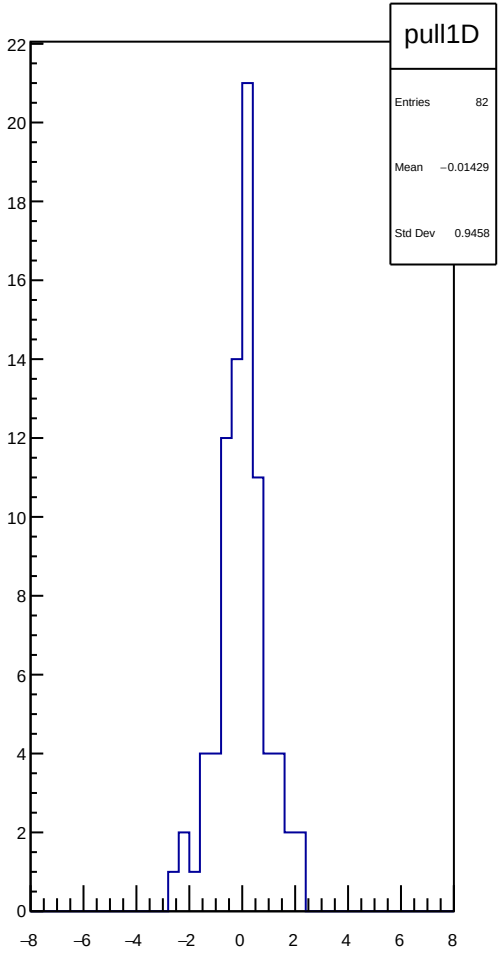

dit_asym_atr_dd_rms vs run
χ² / ndf 1138 / 81
p0 2071 ± 1.637
2200
2150
2100
2050
2000
1950
1900

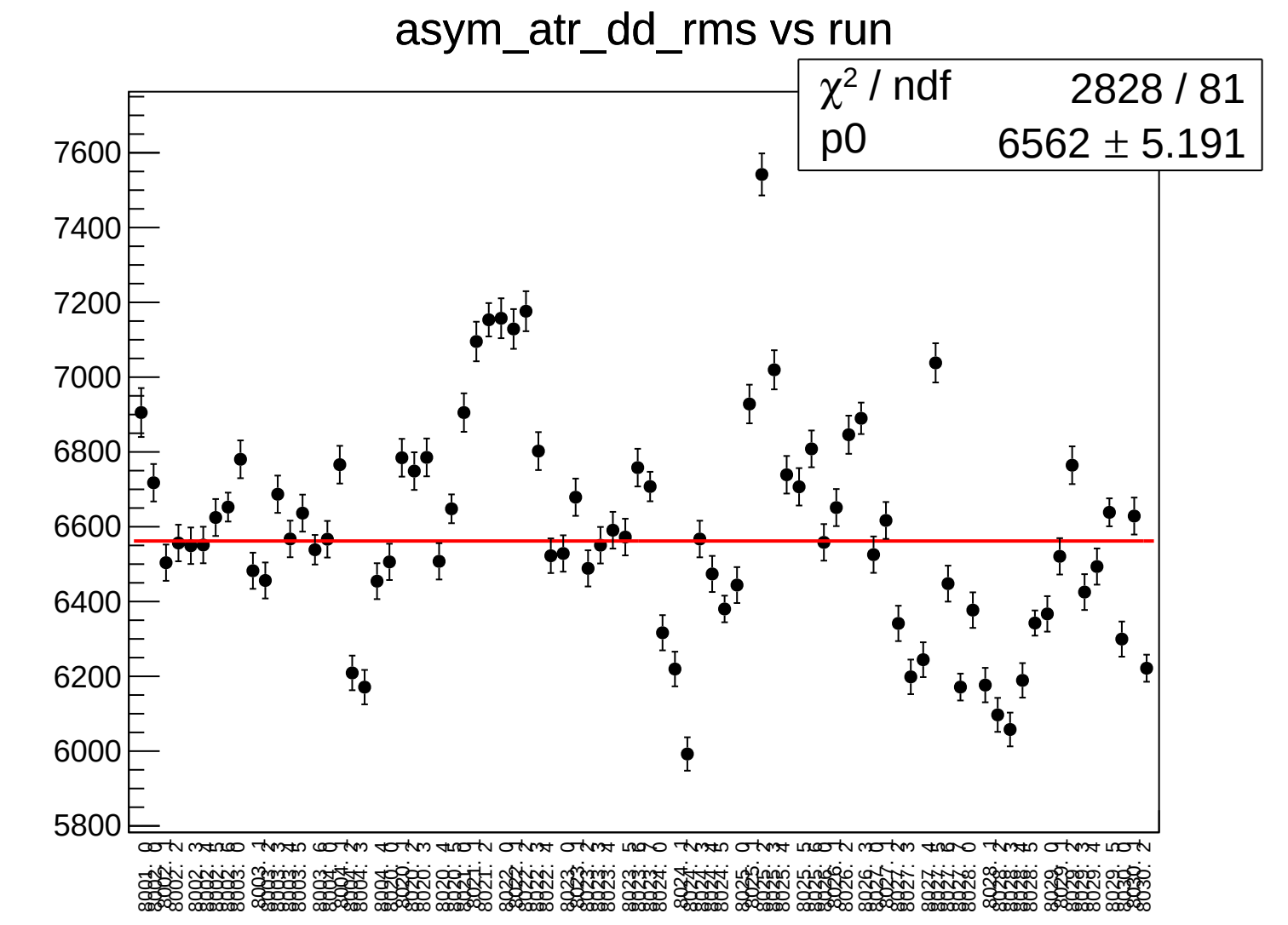

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 72.9 / 81
p0 −455.9 ± 7586
300
200
100
0
−100
−200
pull
Entries 82
Mean 315.6
Std Dev 266
3
2
1
0
−1
−2

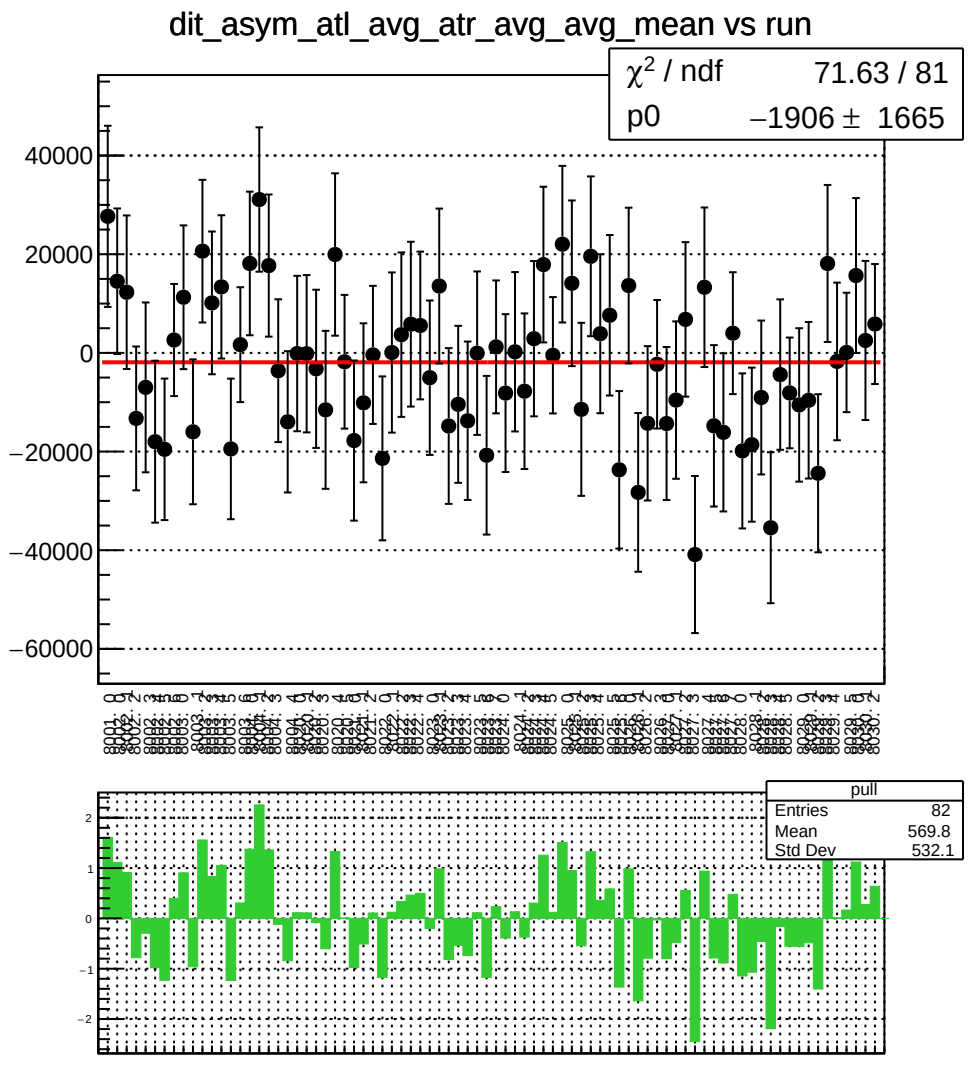

pull1D
Entries 82
Mean 0.0124
Std Dev 0.9428
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

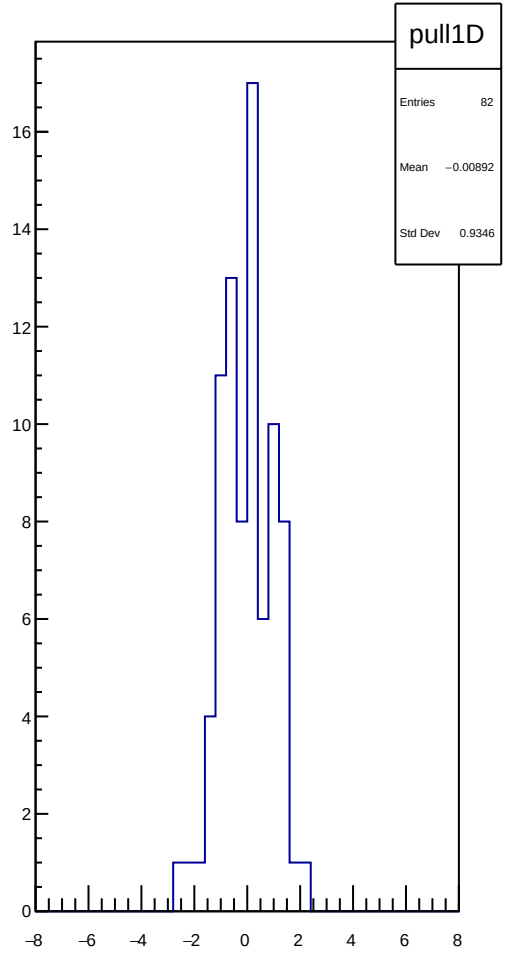

asym_atr_dd_correction_rms vs run
χ^2 / ndf 5144 / 81
p0 6776 ± 5.364
8000
7500
7000
6500
6000

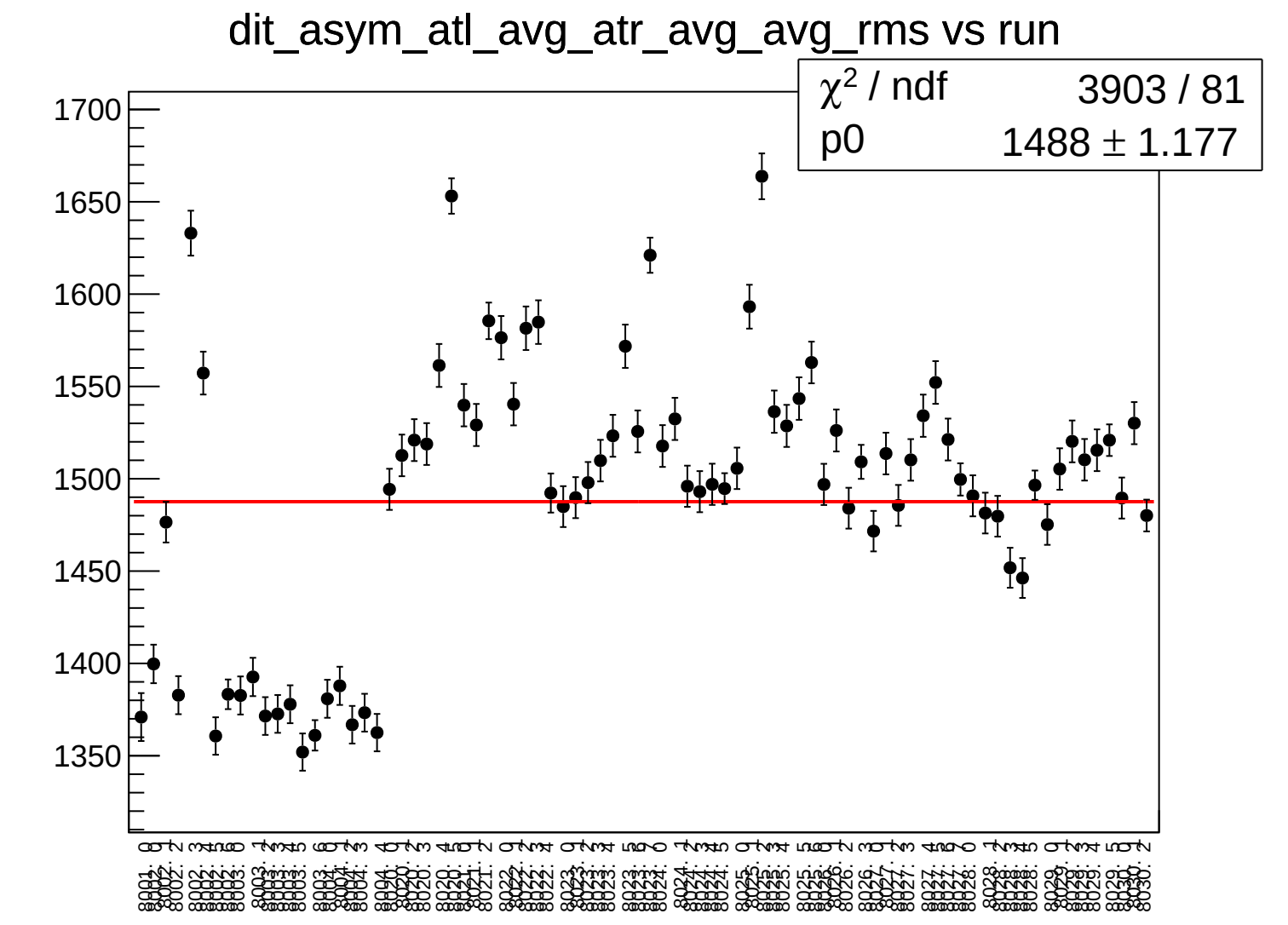

asym_atr_dd_mean vs run
×10^3
χ² / ndf 73.37 / 81
p0 −3341 ± 7341
200
100
0
−100
−200
−300
pull
Entries 82
Mean 251.2
Std Dev 203.6
2
1
0
−1
−2

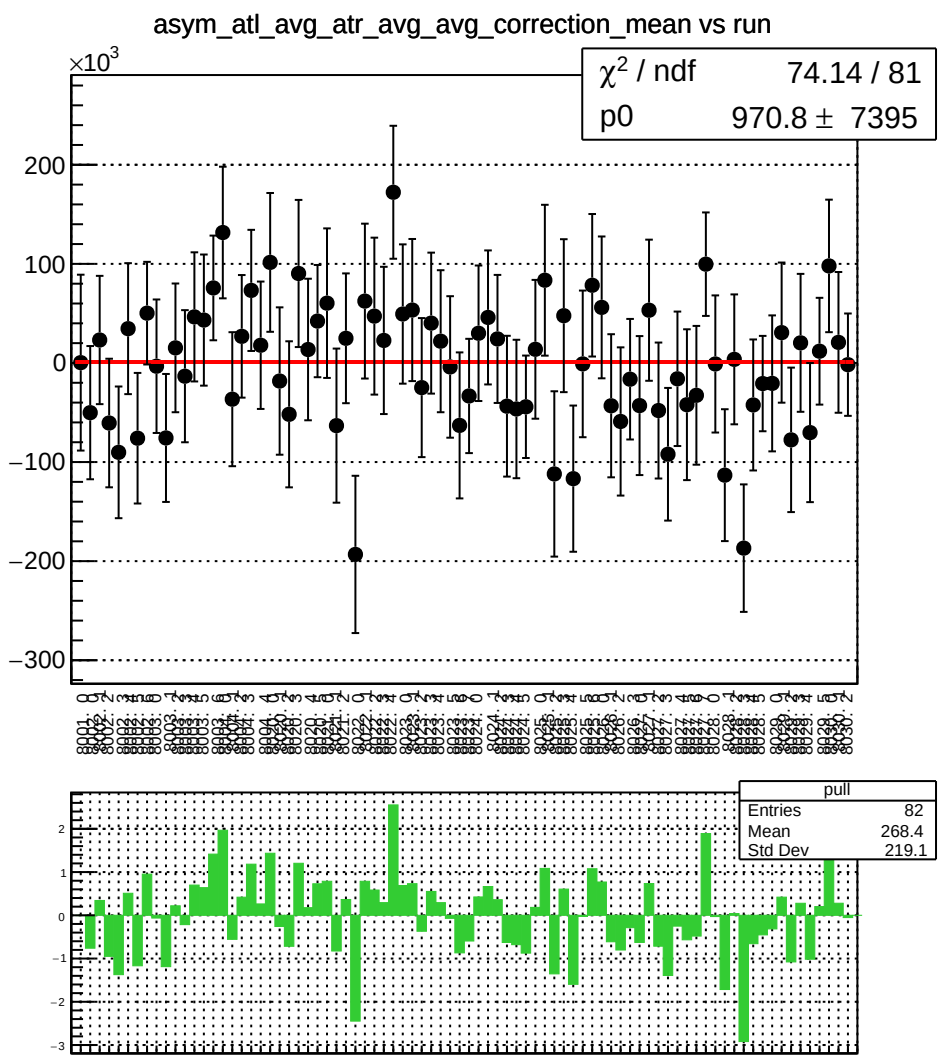

pull1D
Entries 82
Mean −0.01429
Std Dev 0.9458
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

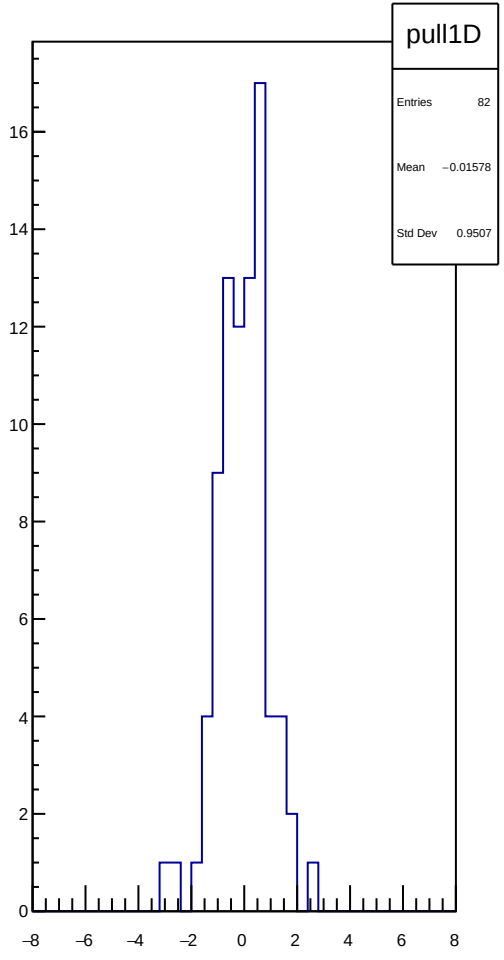

asym_atr_dd_rms vs run
χ^2 / ndf 2828 / 81
p0 6562 ± 5.191
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800

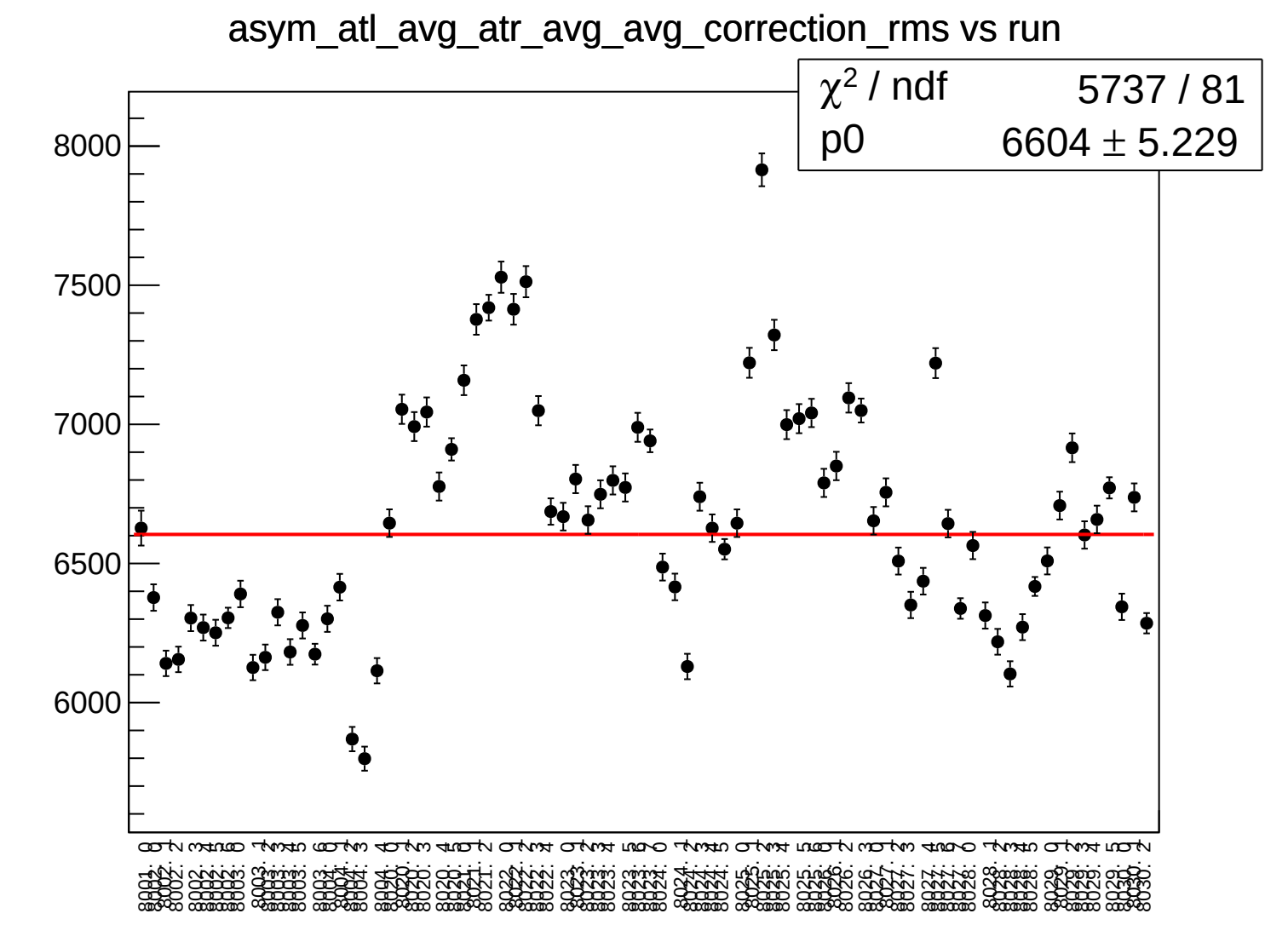

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 71.63 / 81
p0 −1906 ± 1665
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 569.8
Std Dev 532.1
2
1
0
−1
−2

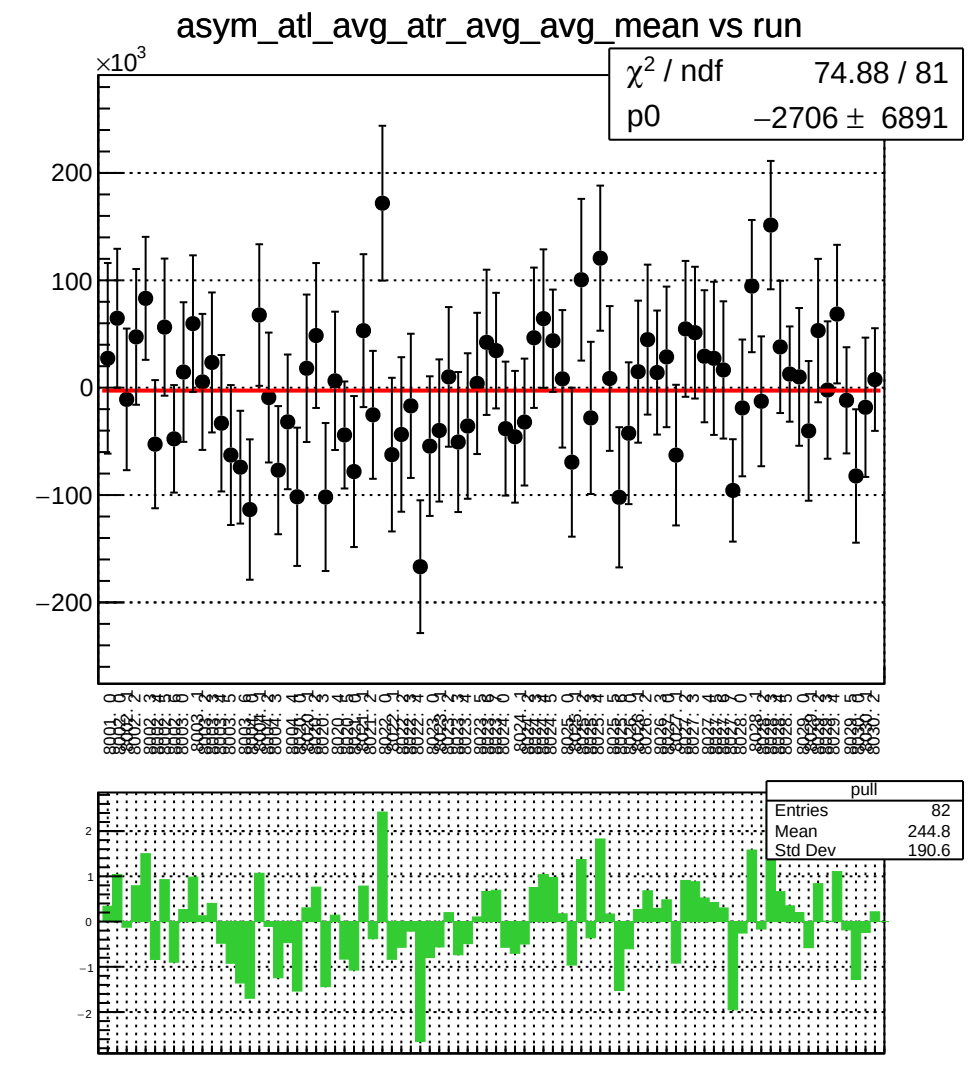

pull1D
Entries 82
Mean −0.00892
Std Dev 0.9346
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

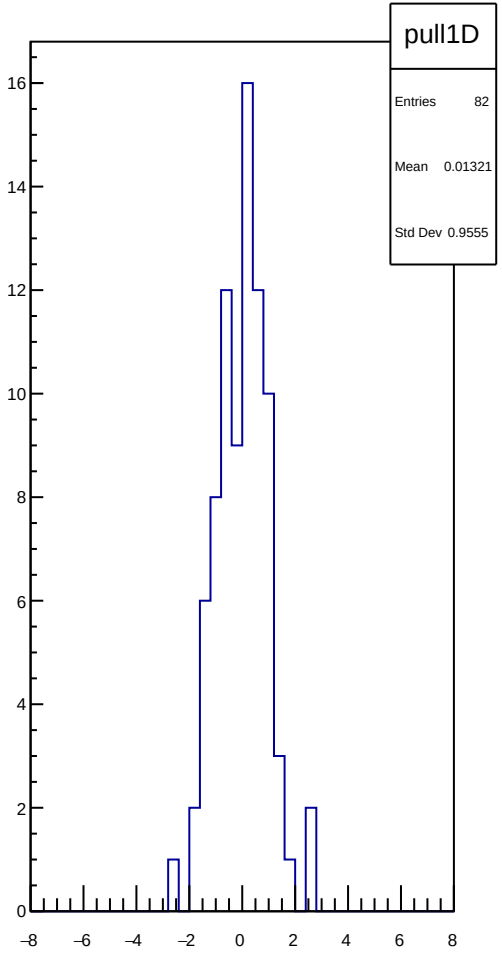

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3903 / 81
p0 1488 ± 1.177
1700
1650
1600
1550
1500
1450
1400
1350

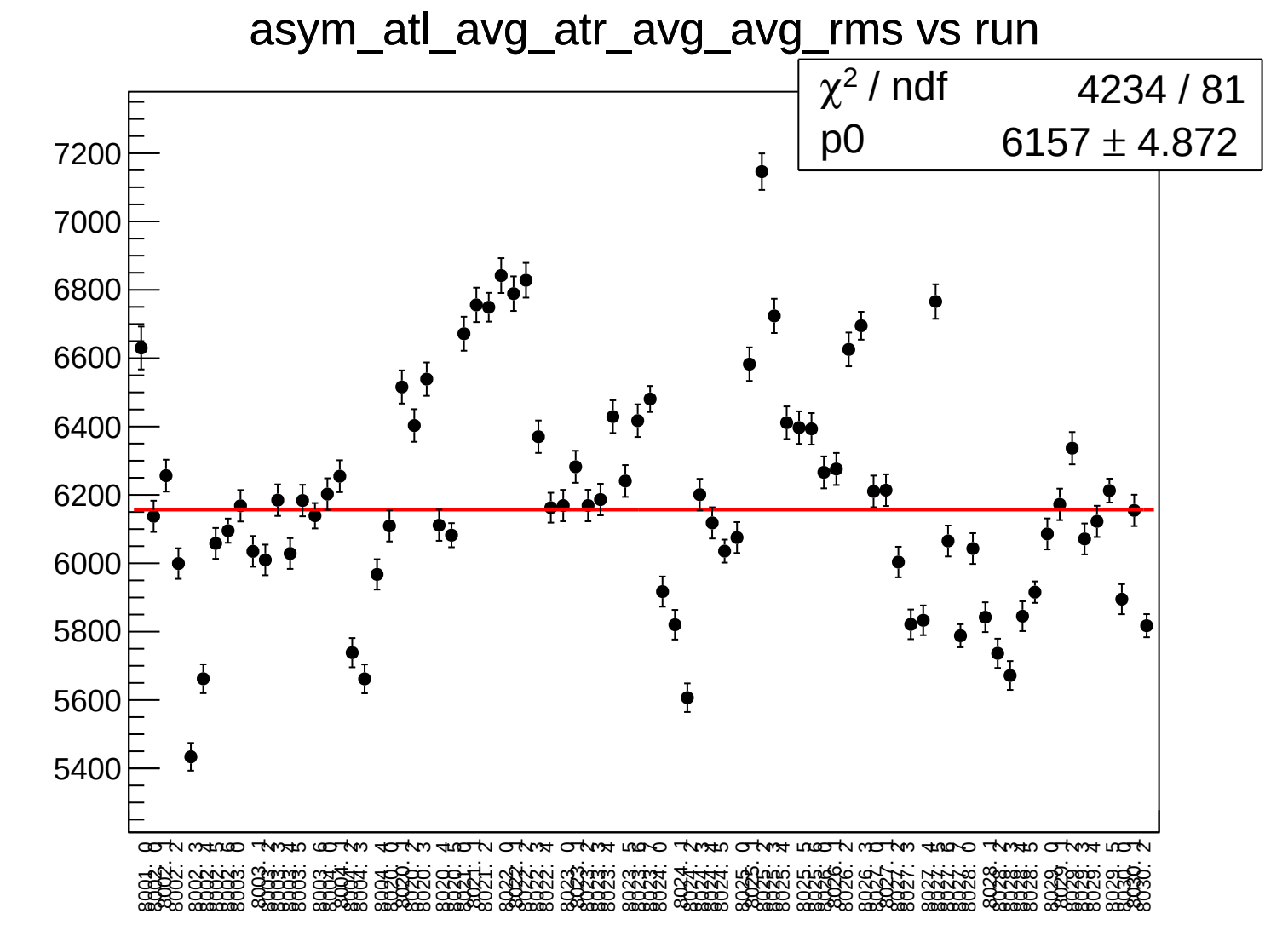

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 74.14 / 81
p0 970.8 ± 7395
200
100
0
−100
−200
−300
pull
Entries 82
Mean 268.4
Std Dev 219.1
2
1
0
−1
−2
−3

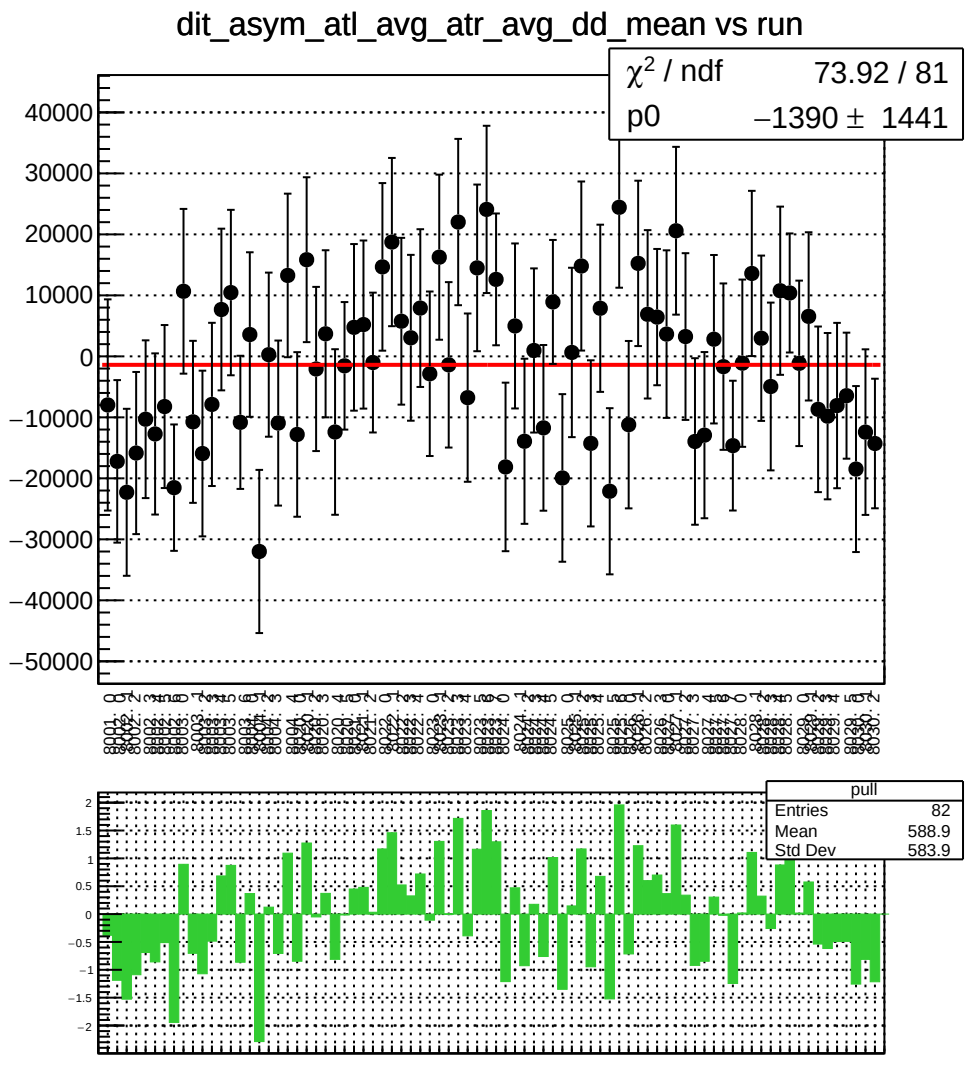

pull1D
Entries 82
Mean −0.01578
Std Dev 0.9507
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

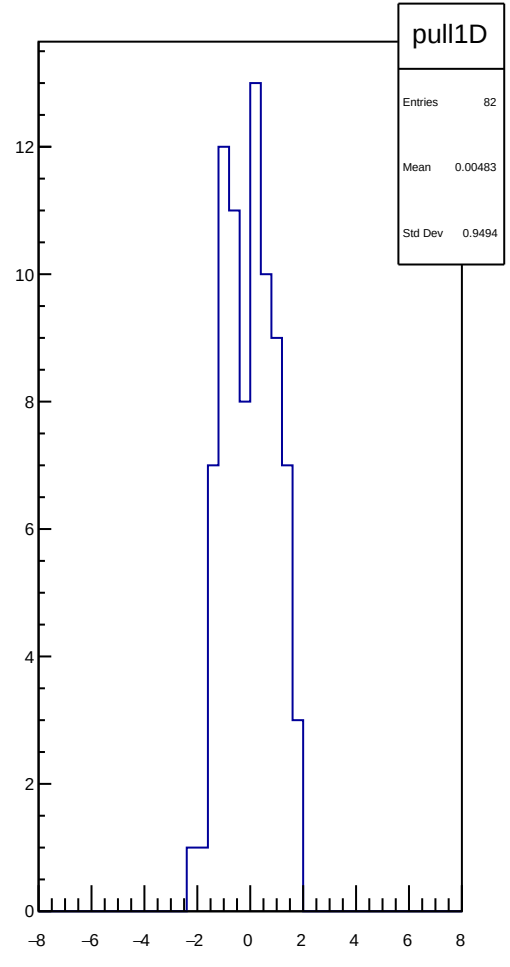

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5737 / 81
p0 6604 ± 5.229
8000
7500
7000
6500
6000

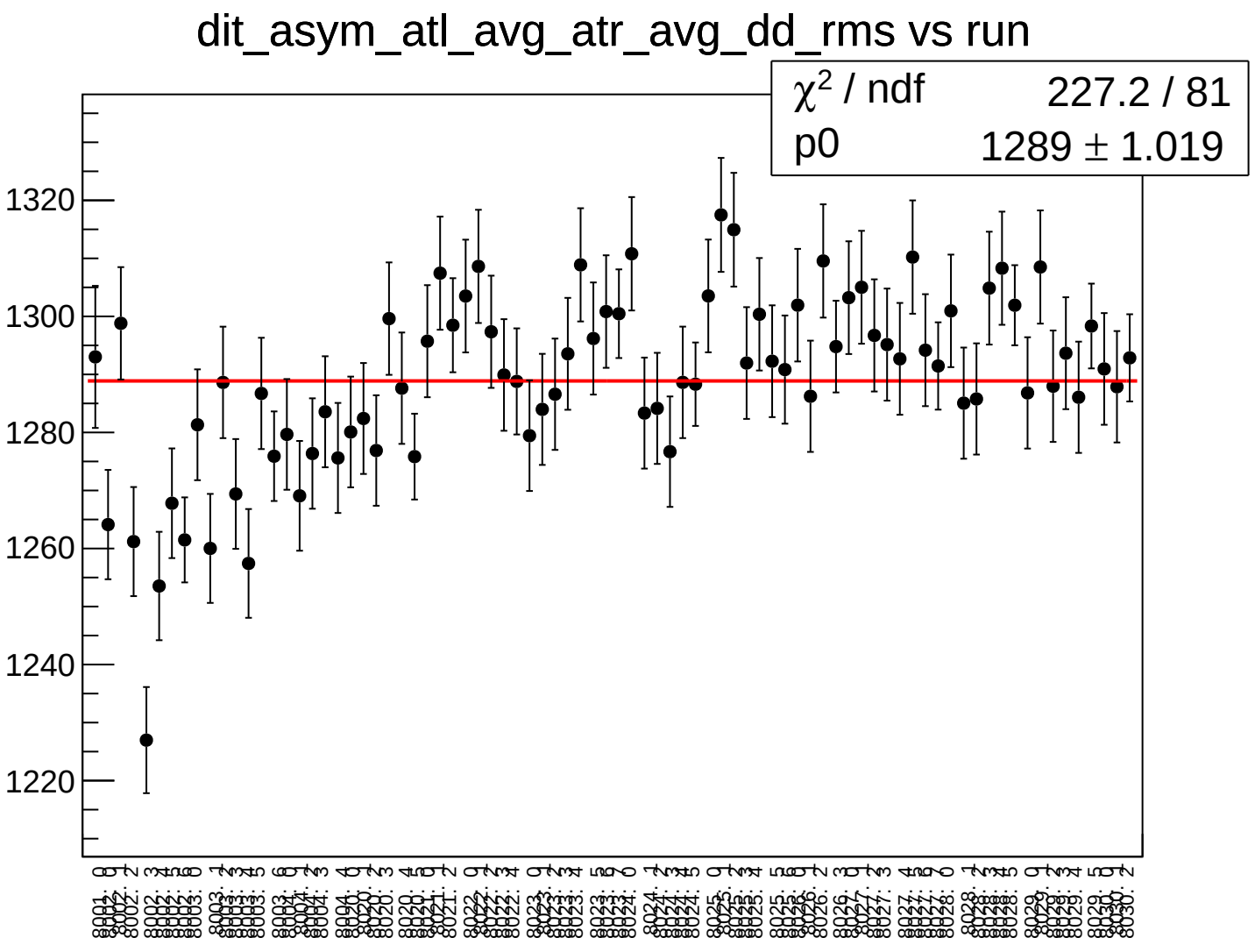

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 74.88 / 81
p0 −2706 ± 6891
200
100
0
−100
−200
pull
Entries 82
Mean 244.8
Std Dev 190.6
2
1
0
−1
−2

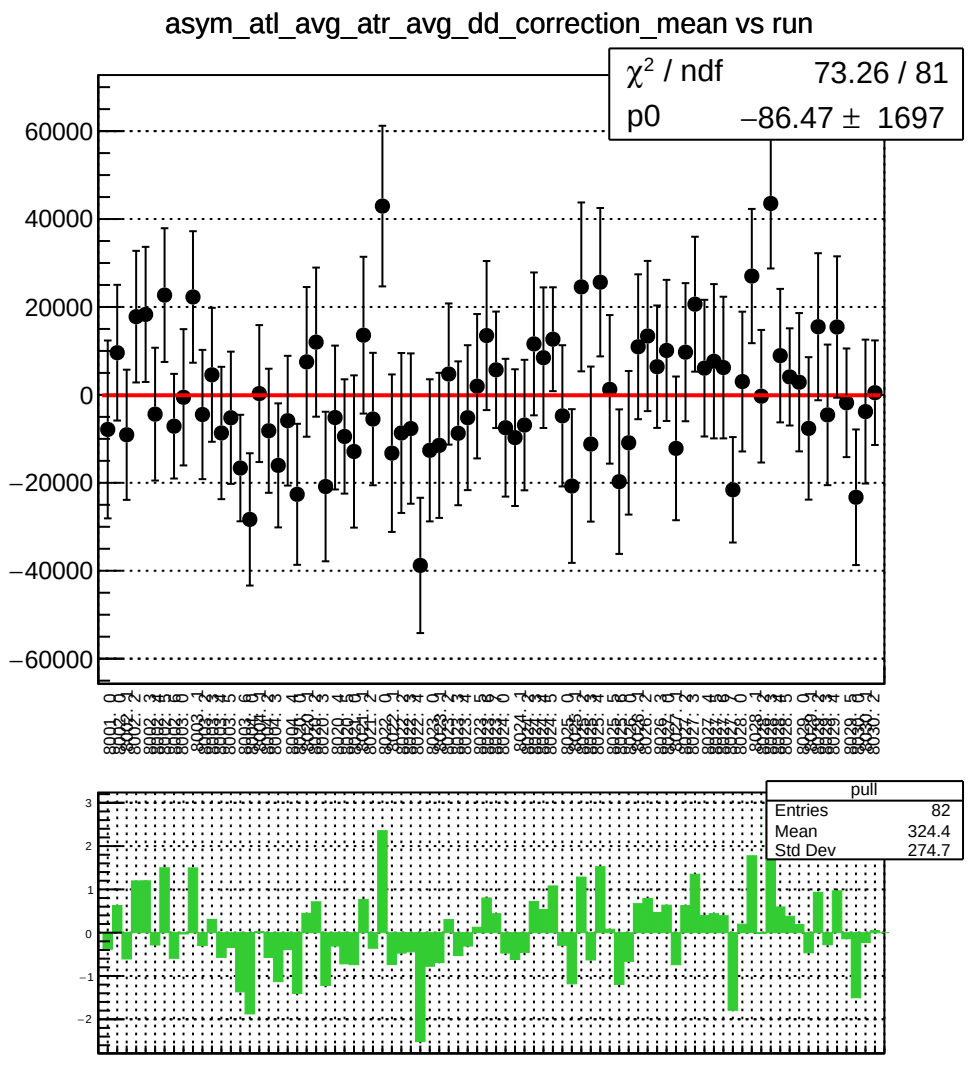

pull1D
Entries 82
Mean 0.01321
Std Dev 0.9555
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

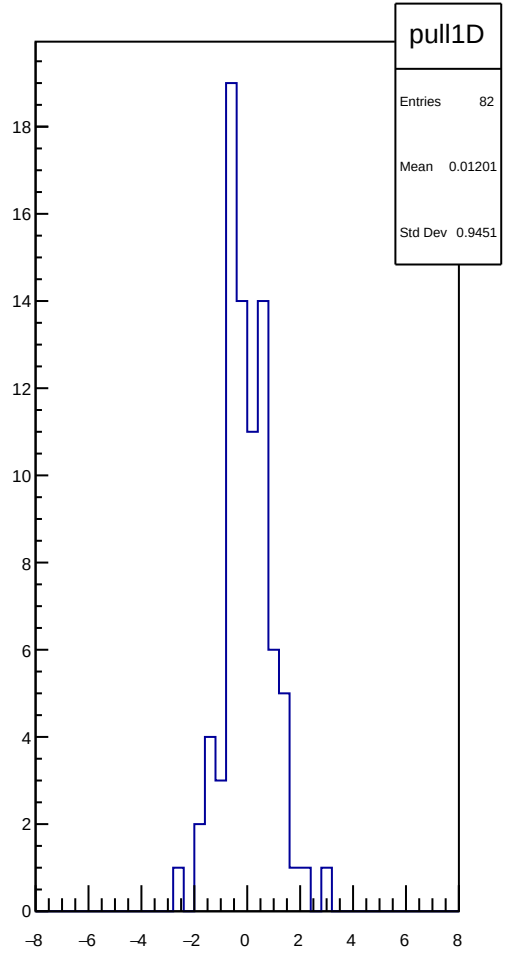

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4234 / 81
p0 6157 ± 4.872
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

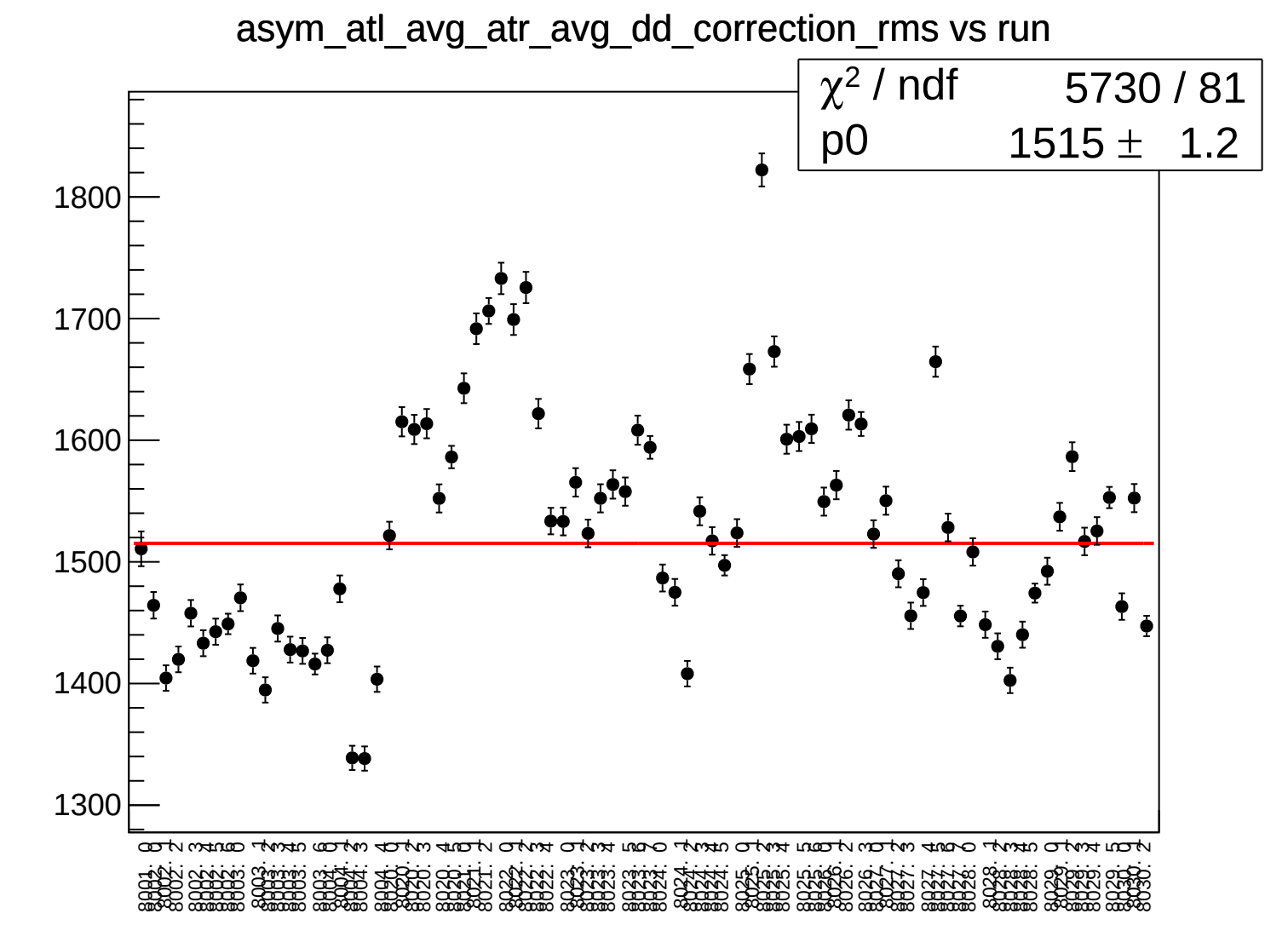

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.92 / 81
p0 −1390 ± 1441
pull
Entries 82
Mean 588.9
Std Dev 583.9

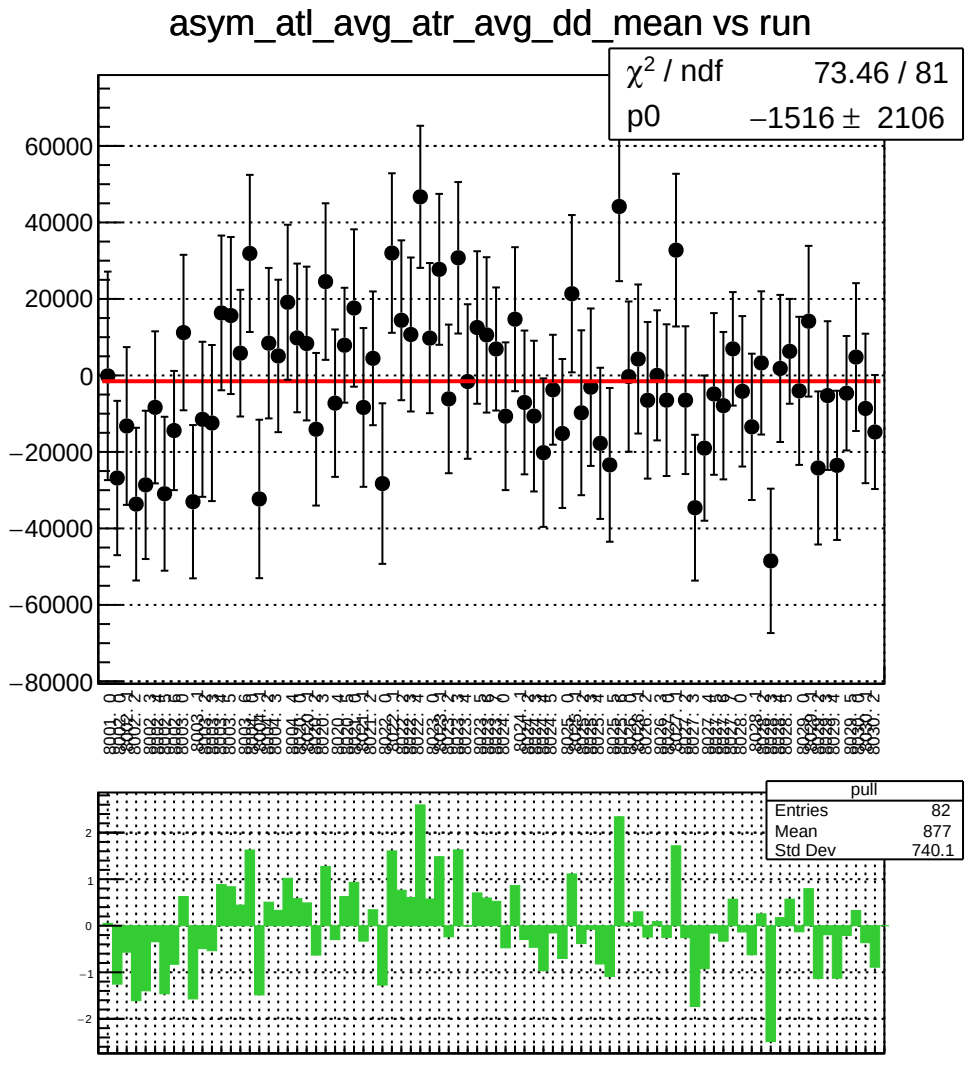

pull1D
Entries 82
Mean 0.00483
Std Dev 0.9494

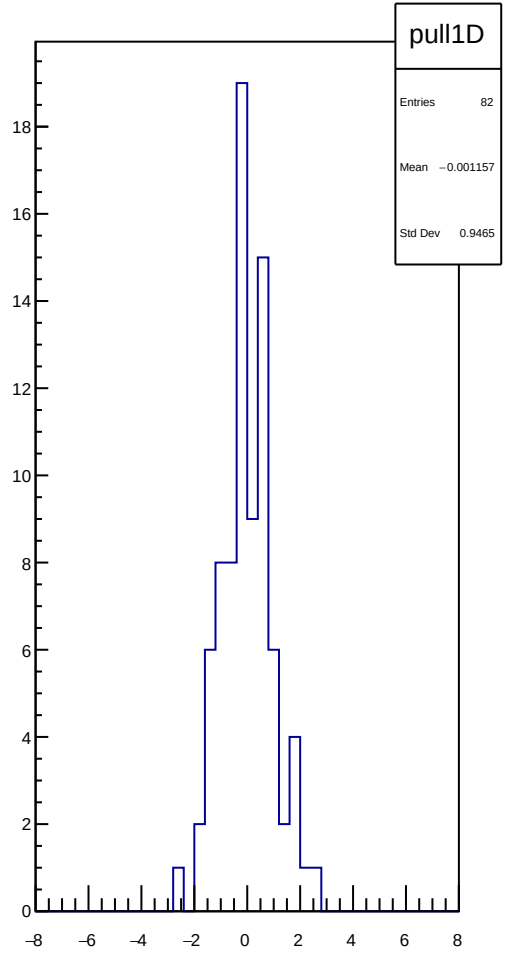

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 227.2 / 81
p0 1289 ± 1.019
1320
1300
1280
1260
1240
1220

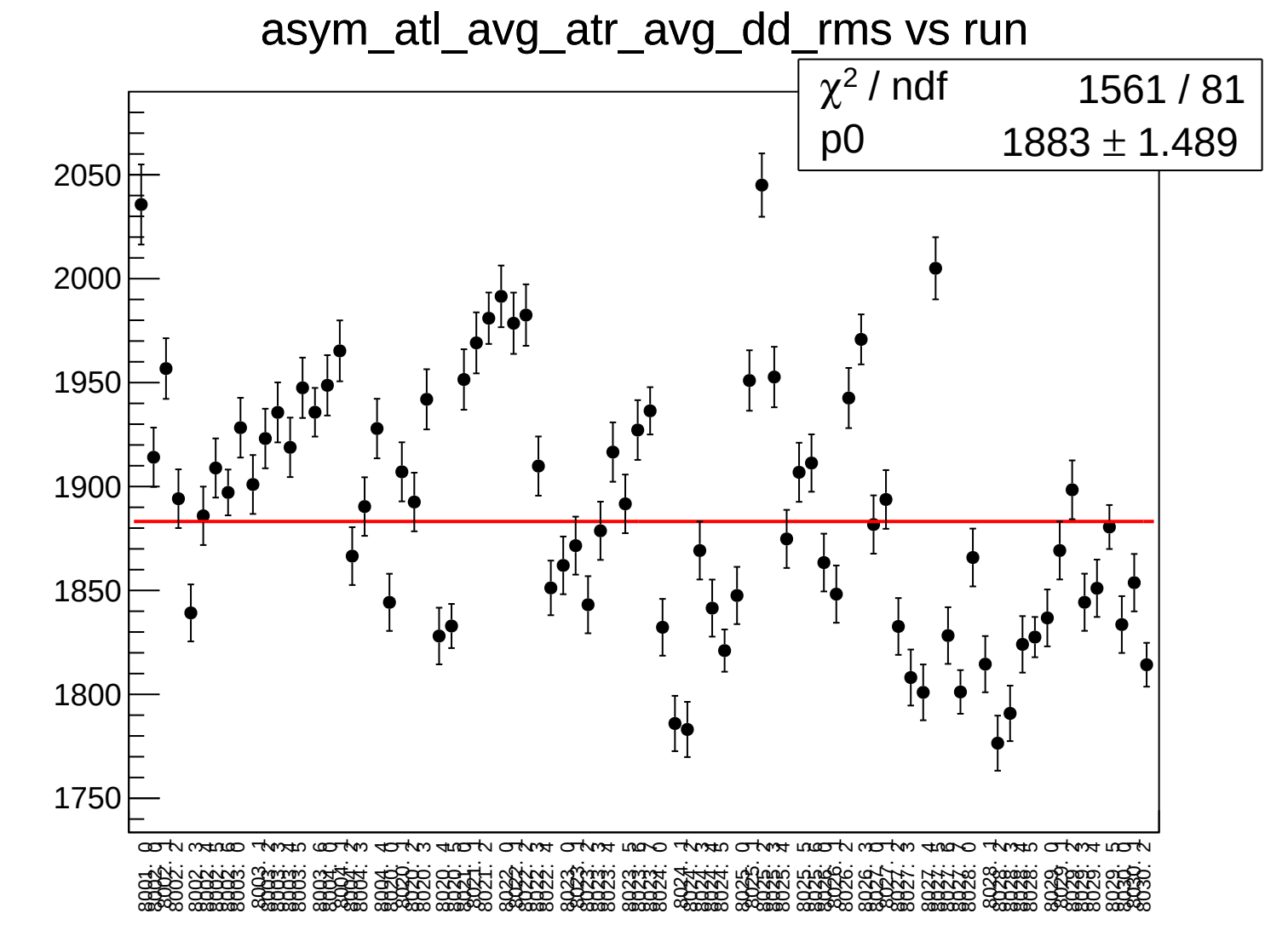

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 73.26 / 81
p0 −86.47 ± 1697
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 324.4
Std Dev 274.7
3
2
1
0
−1
−2

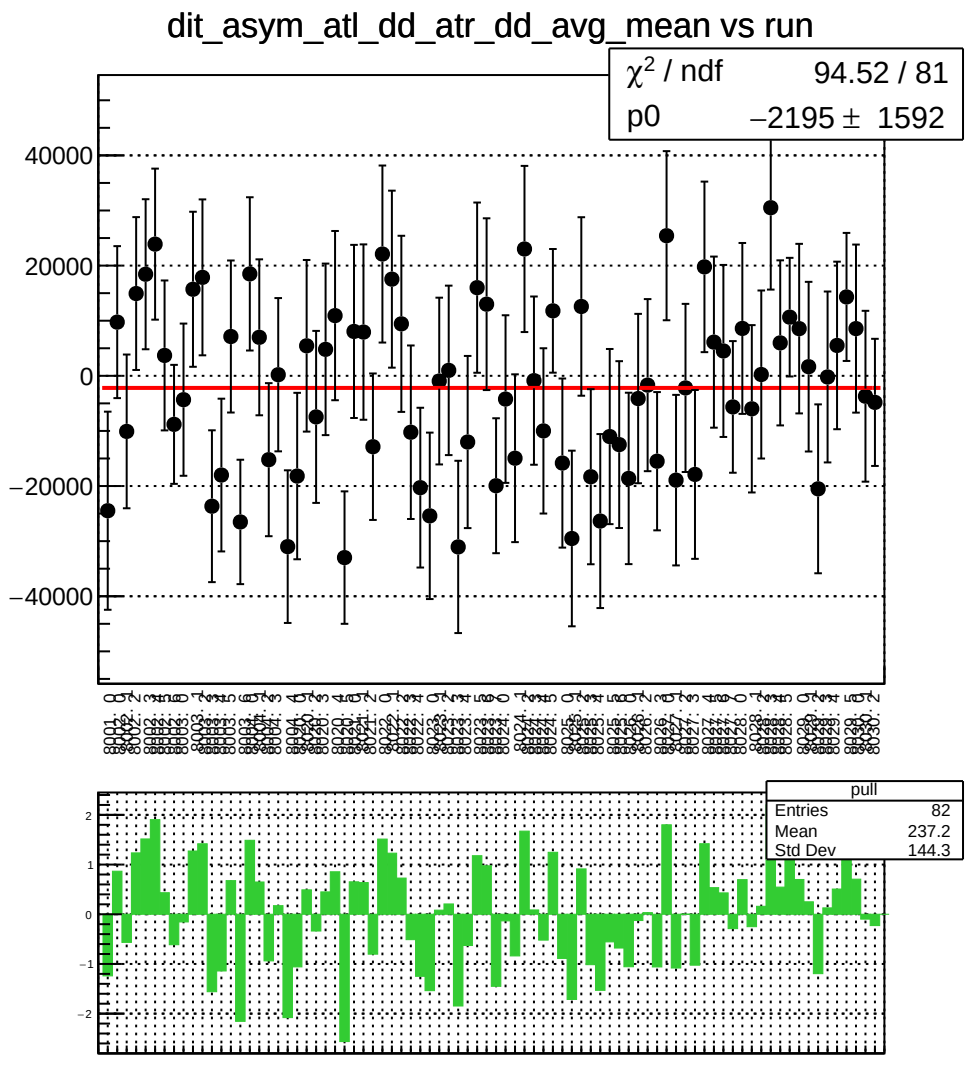

pull1D
Entries 82
Mean 0.01201
Std Dev 0.9451
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

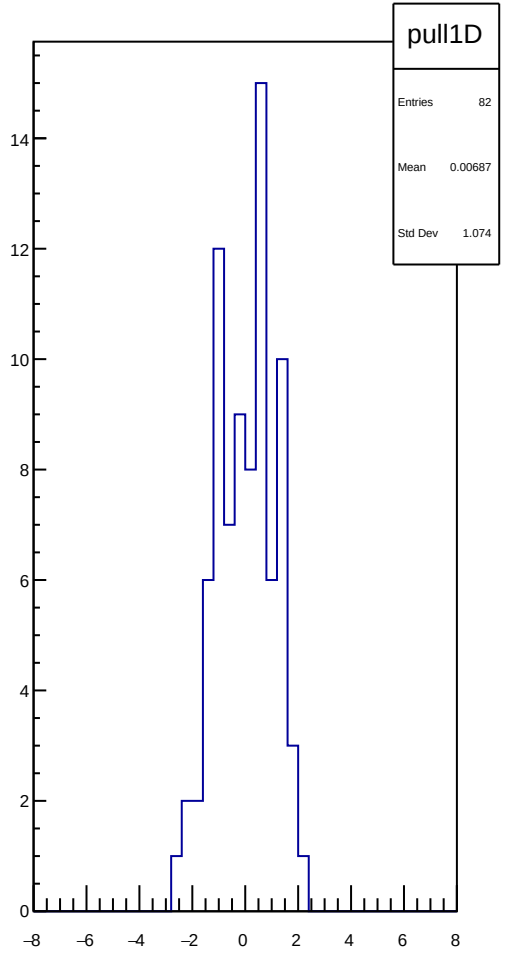

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 5730 / 81
p0 1515 ± 1.2
1800
1700
1600
1500
1400
1300

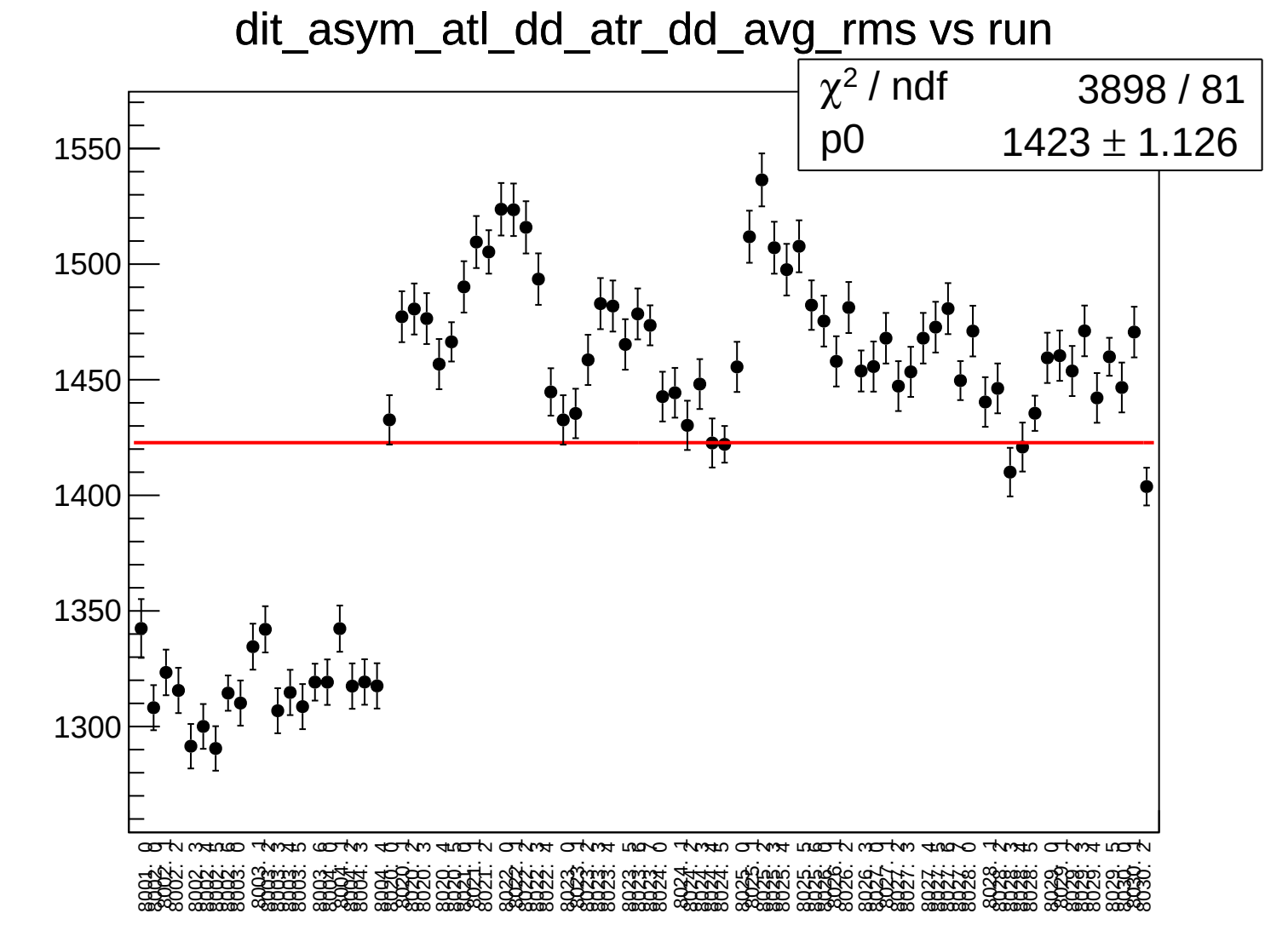

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.46 / 81
p0 −1516 ± 2106
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 877
Std Dev 740.1
2
1
0
−1
−2

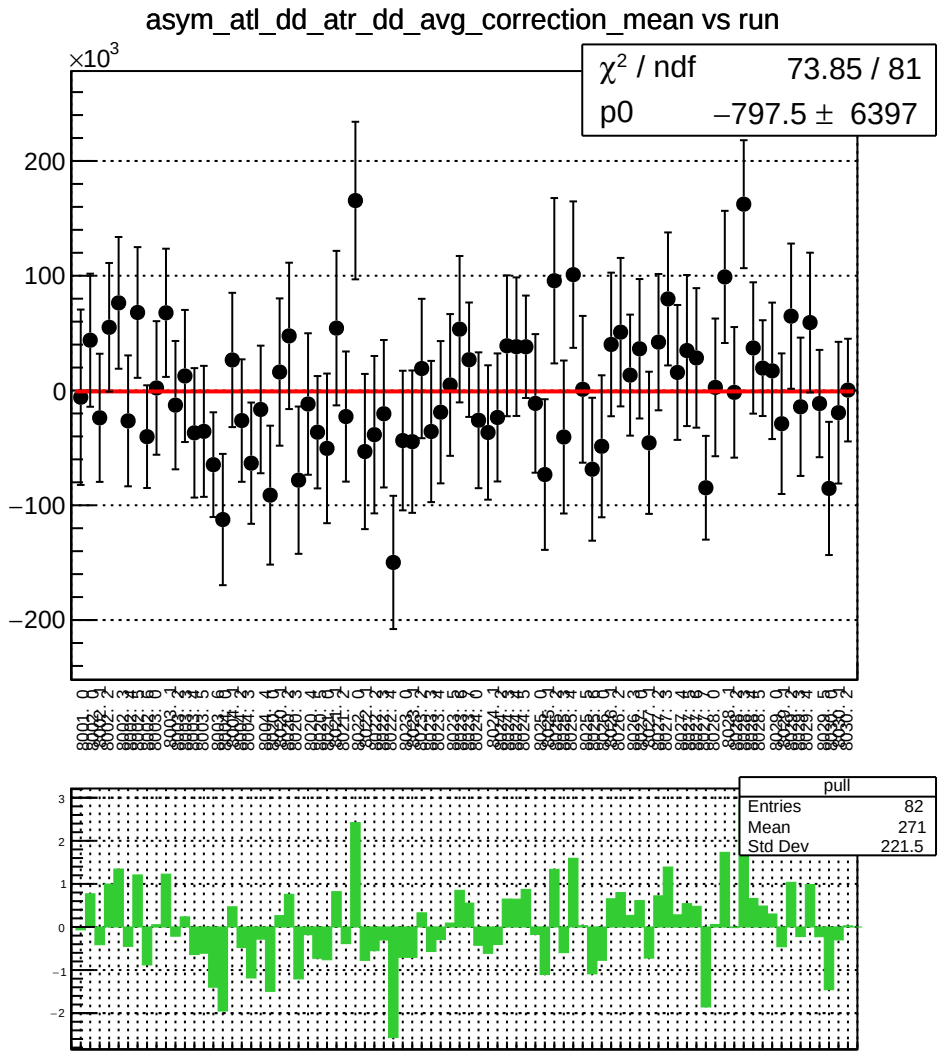

pull1D
Entries 82
Mean −0.001157
Std Dev 0.9465
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

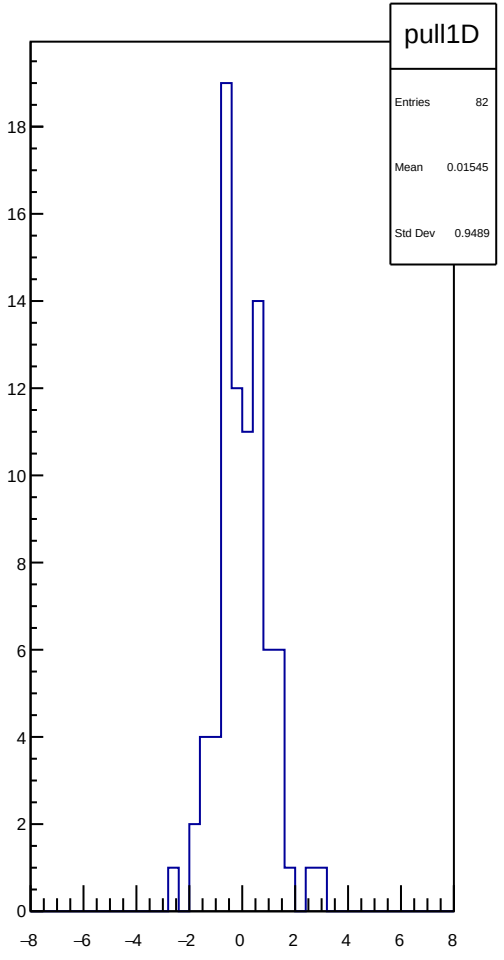

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1561 / 81
p0 1883 ± 1.489
2050
2000
1950
1900
1850
1800
1750

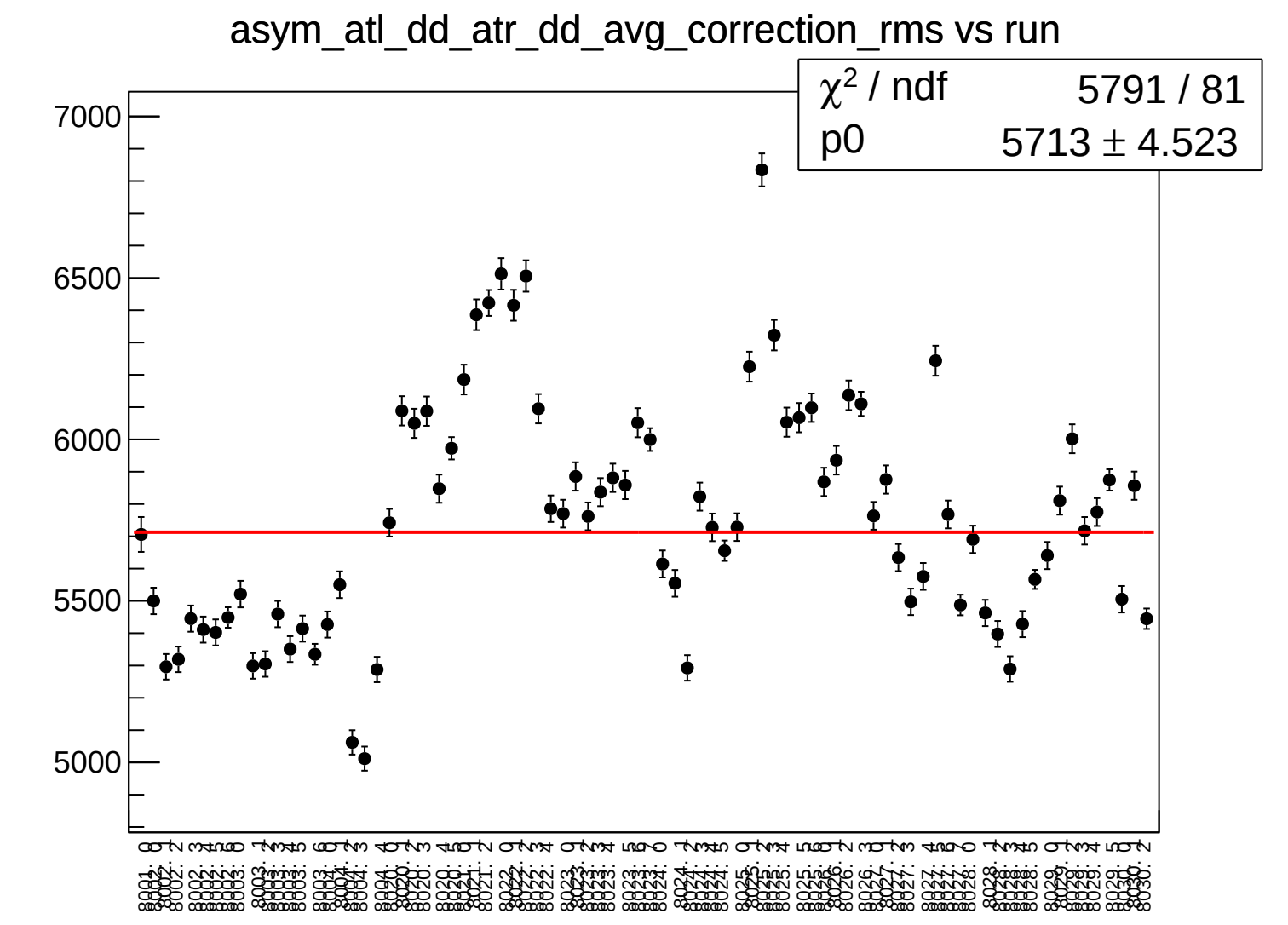

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 94.52 / 81
p0 −2195 ± 1592
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 237.2
Std Dev 144.3
2
1
0
−1
−2

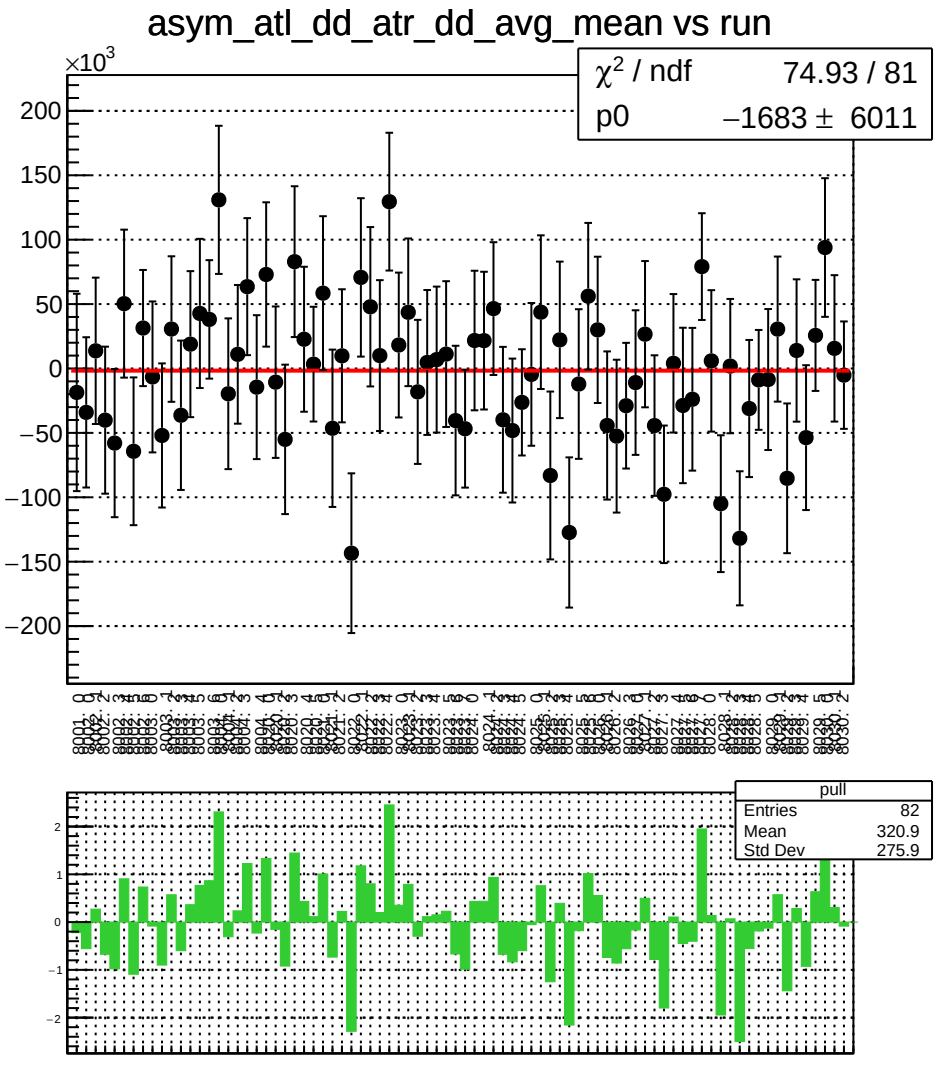

pull1D
Entries 82
Mean 0.00687
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

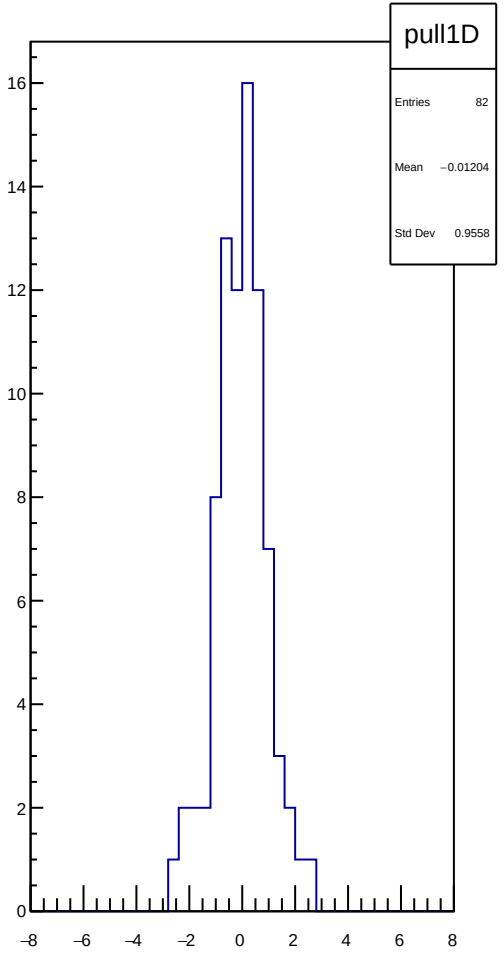

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3898 / 81
p0 1423 ± 1.126
1550
1500
1450
1400
1350
1300

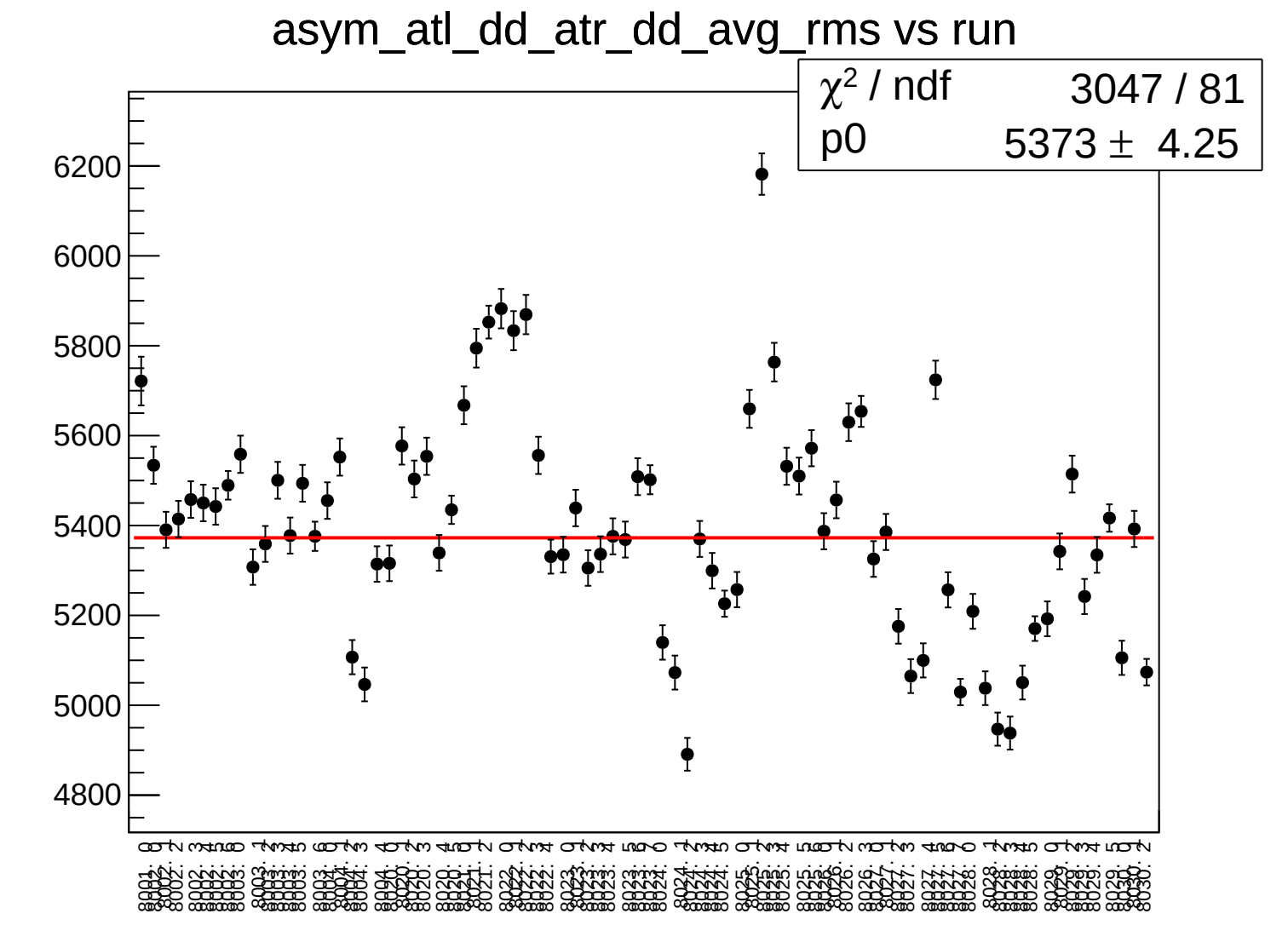

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 73.85 / 81
p0 −797.5 ± 6397
200
100
0
−100
−200
pull
Entries 82
Mean 271
Std Dev 221.5
3
2
1
0
−1
−2

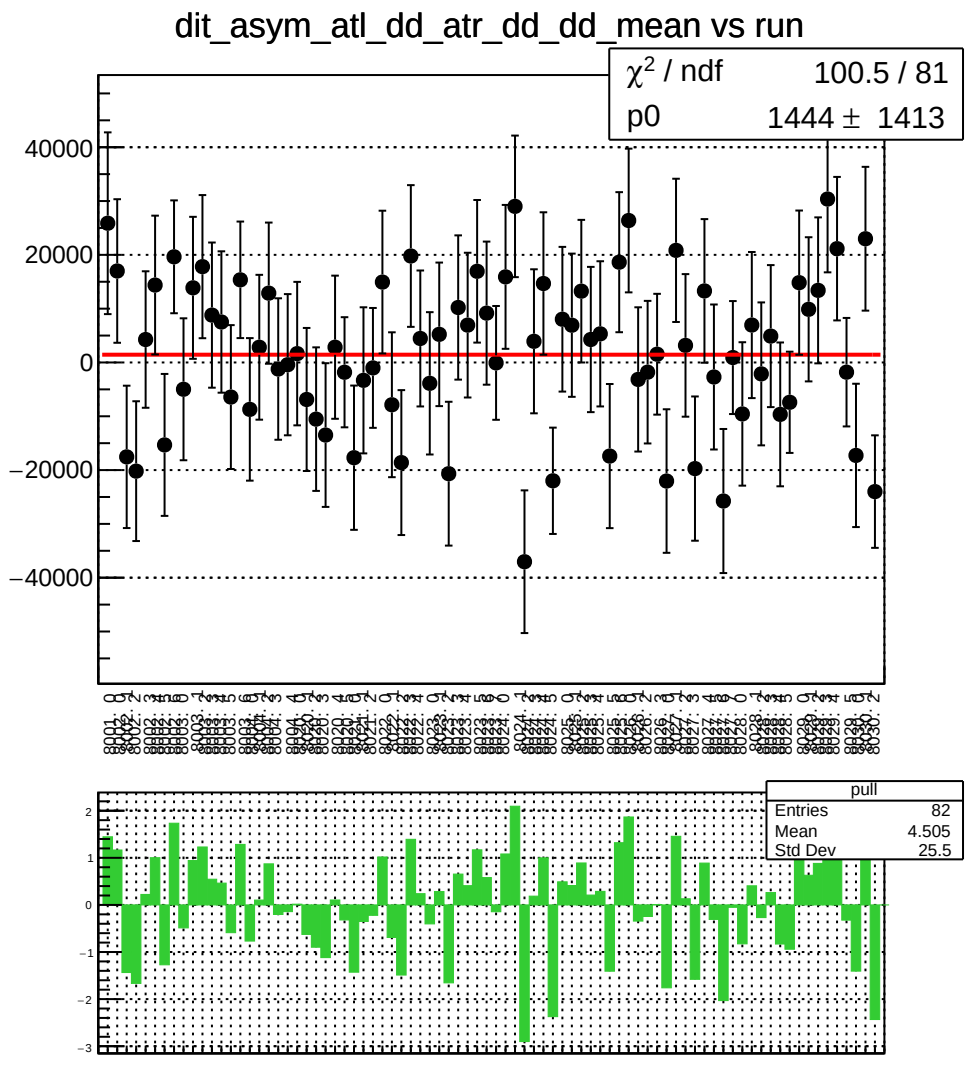

pull1D
Entries 82
Mean 0.01545
Std Dev 0.9489
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

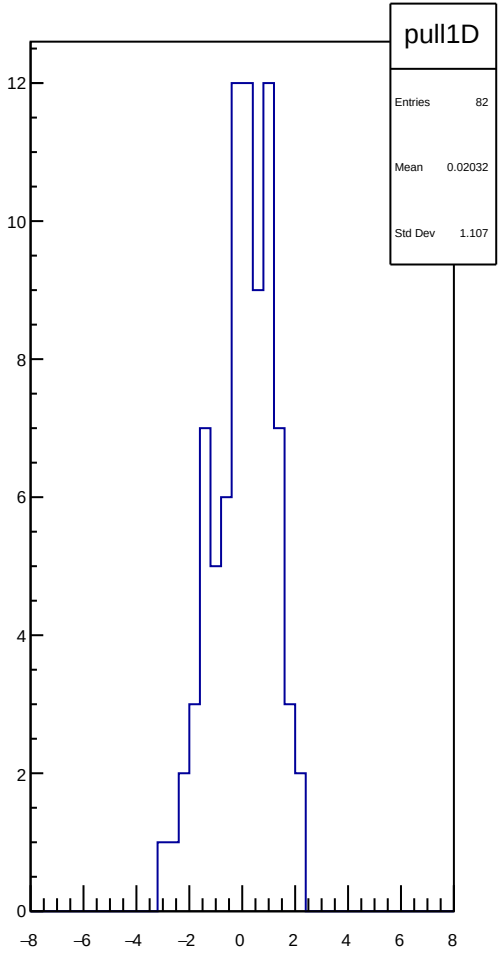

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5791 / 81
p0 5713 ± 4.523
7000
6500
6000
5500
5000

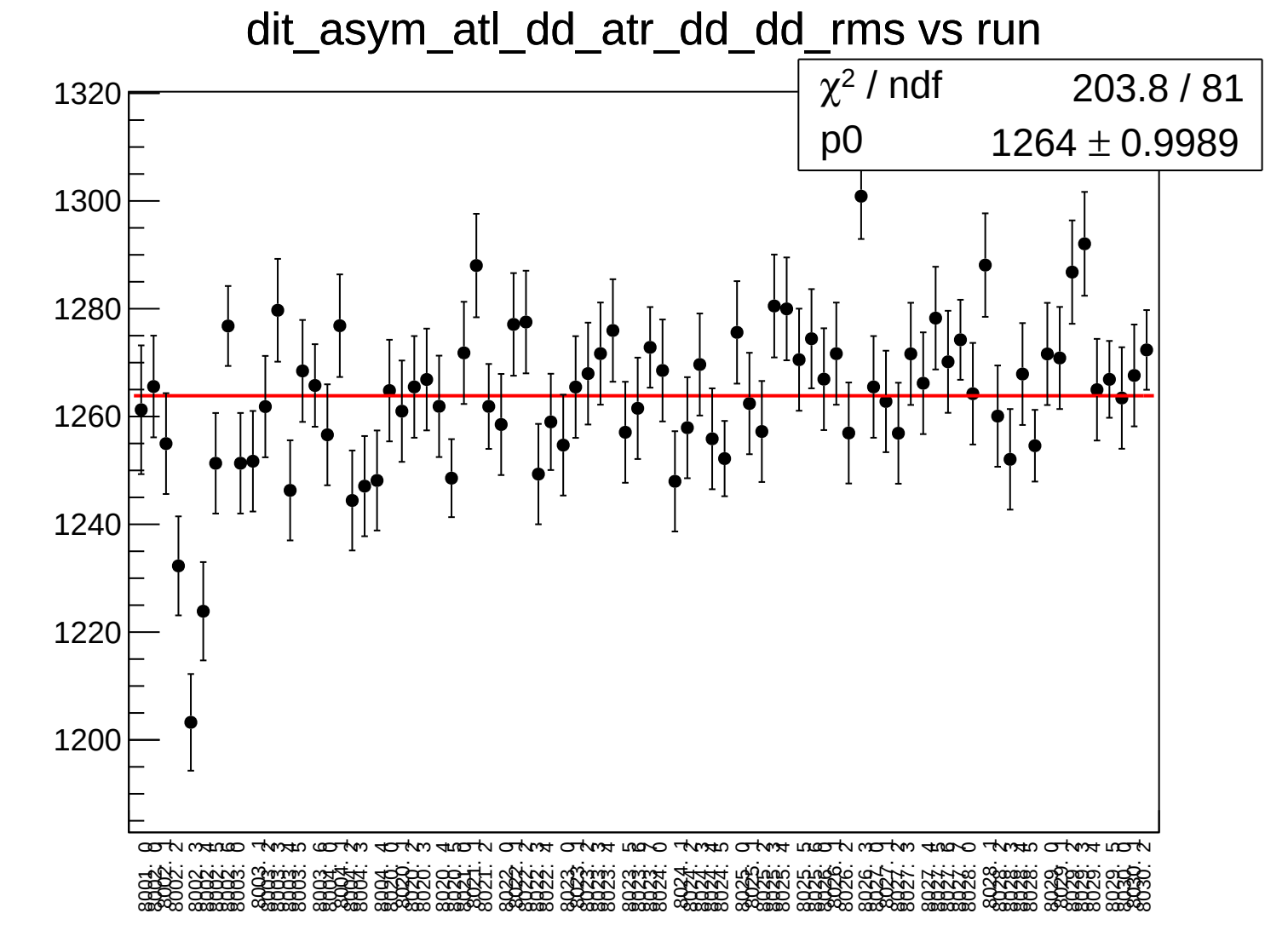

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 74.93 / 81
p0 −1683 ± 6011
pull
Entries 82
Mean 320.9
Std Dev 275.9

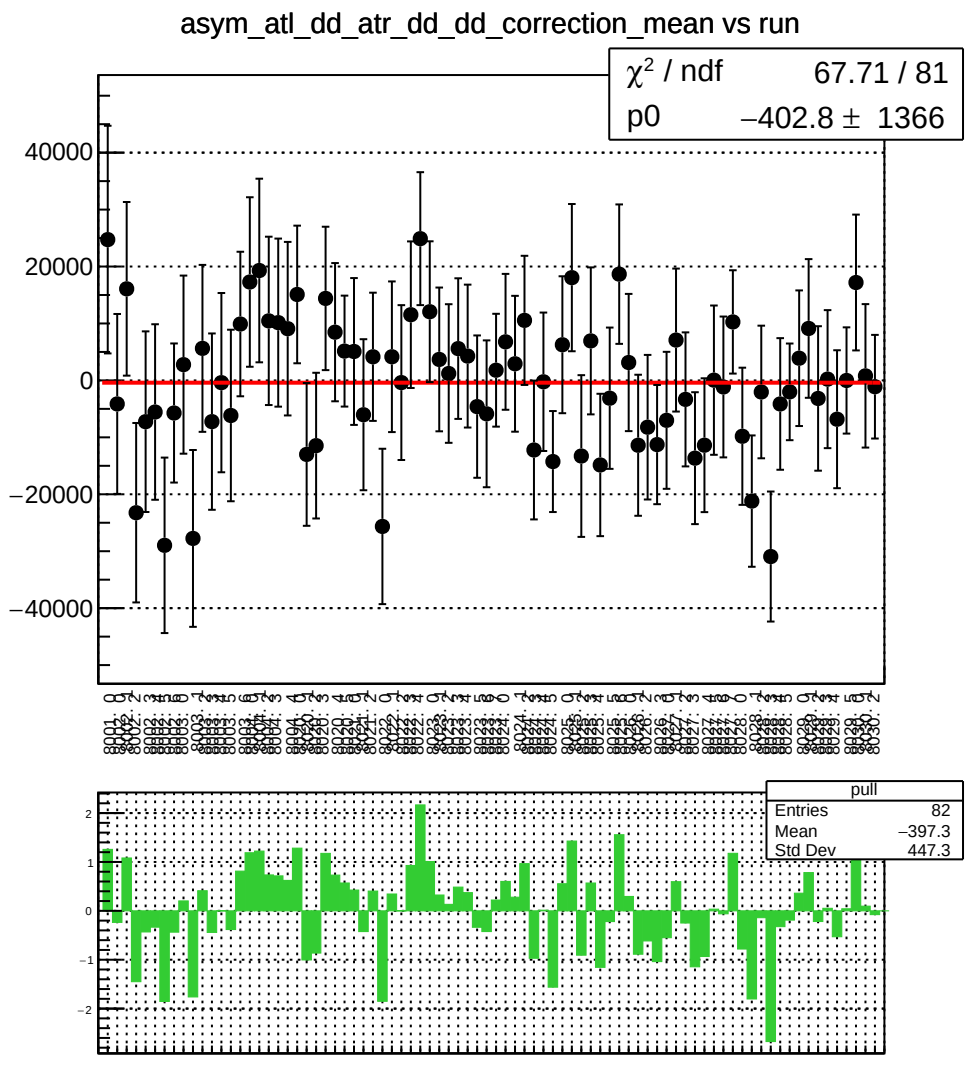

pull1D
Entries 82
Mean −0.01204
Std Dev 0.9558

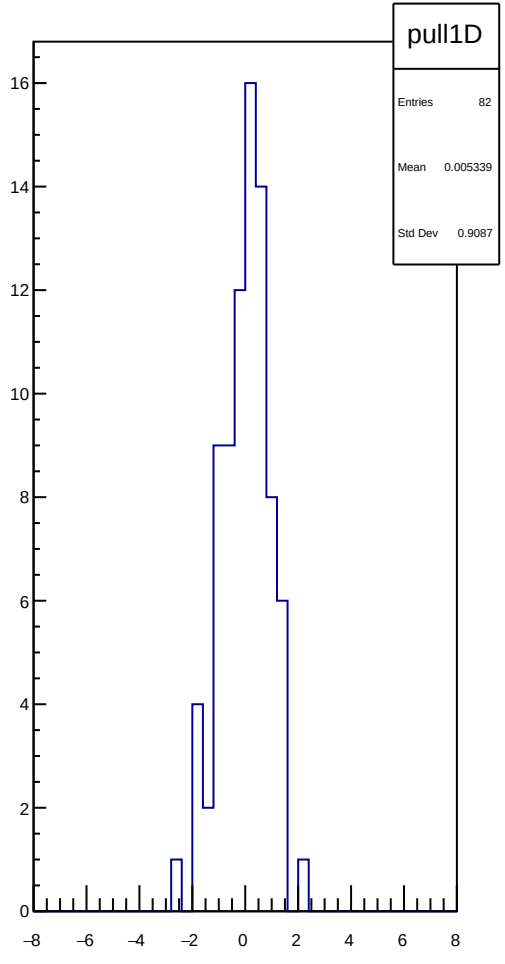

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3047 / 81
p0 5373 ± 4.25
6200
6000
5800
5600
5400
5200
5000
4800

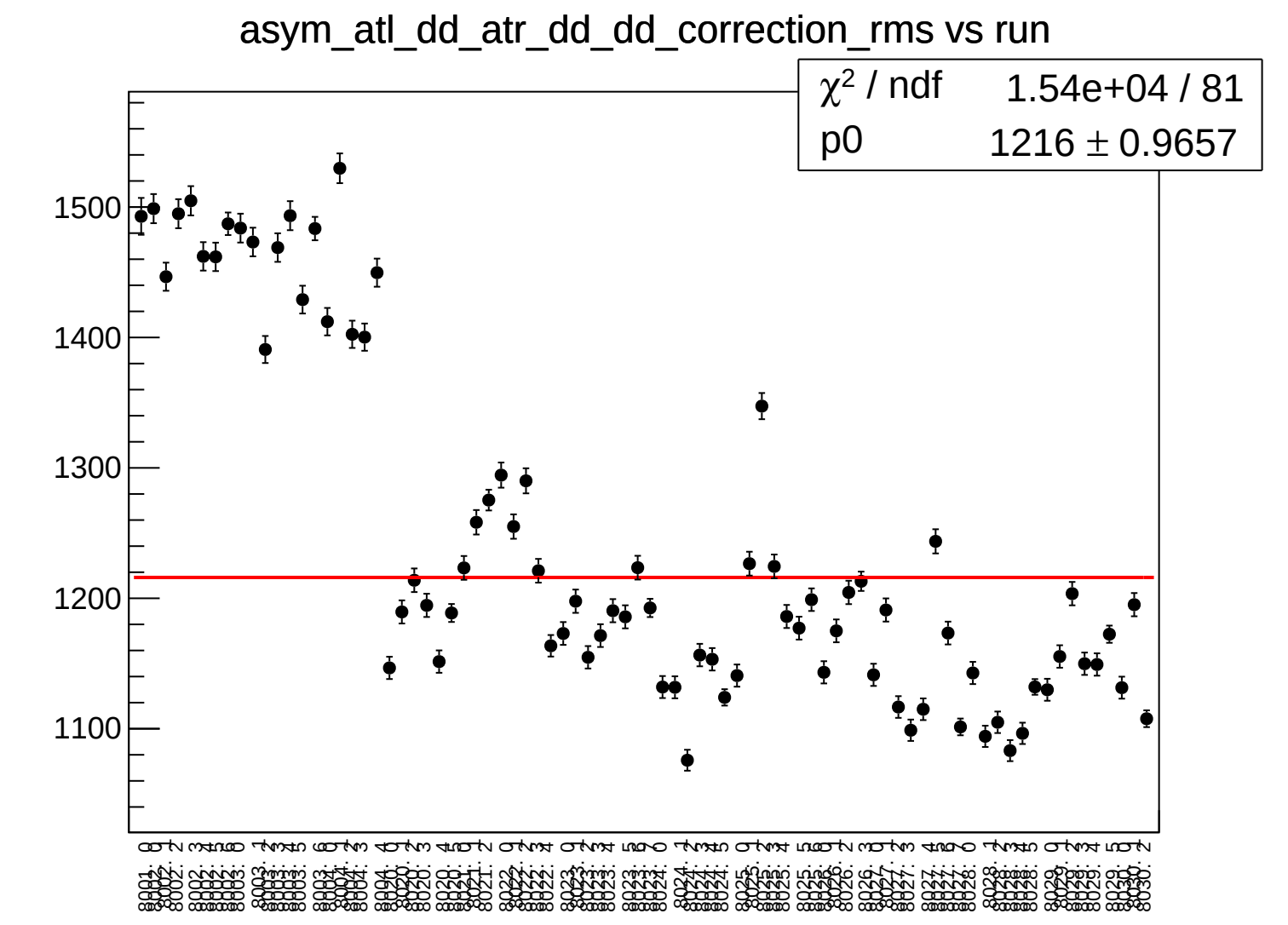

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 100.5 / 81
p0 1444 ± 1413
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 4.505
Std Dev 25.5
2
1
0
−1
−2
−3

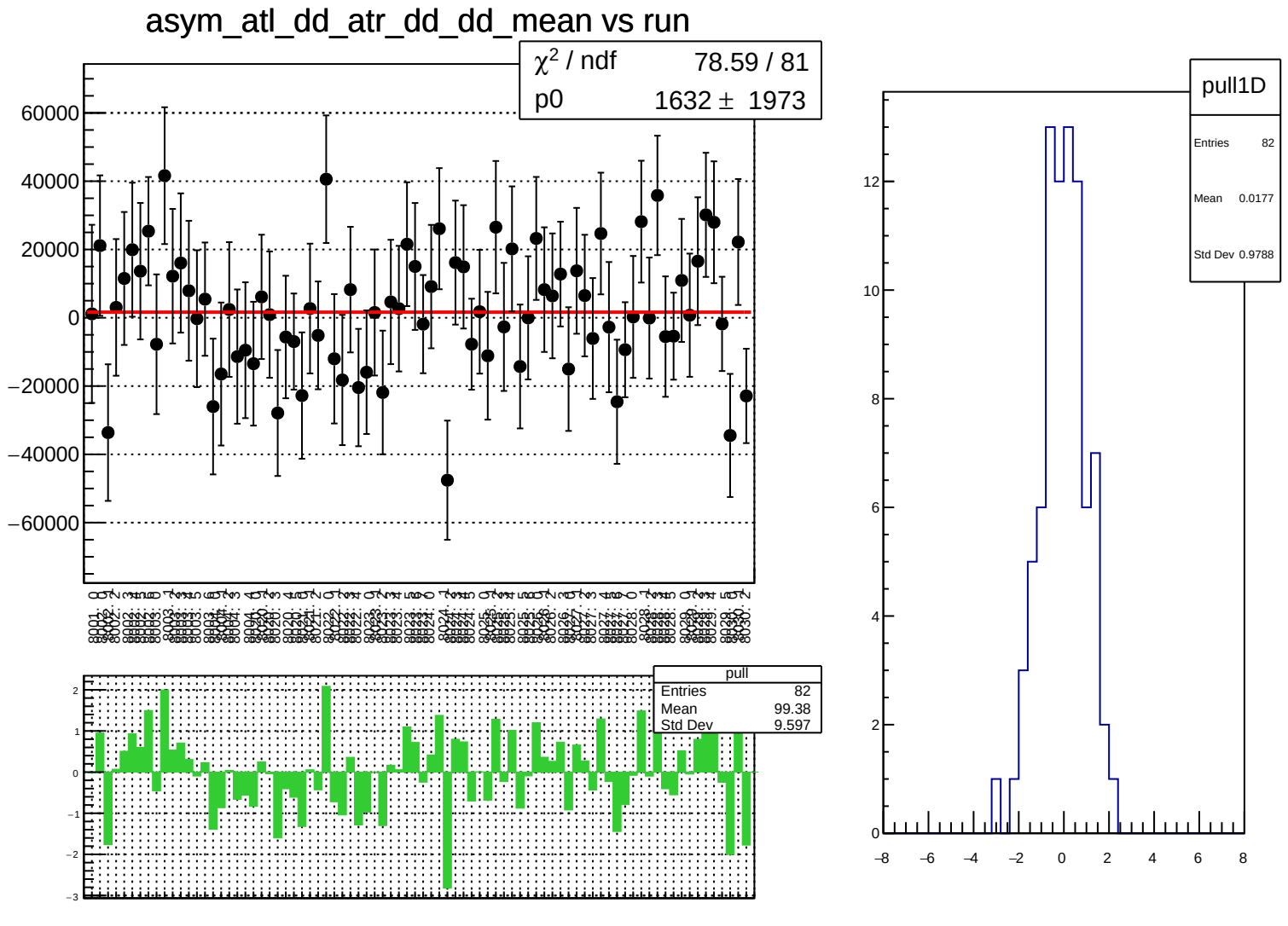

pull1D
Entries 82
Mean 0.02032
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

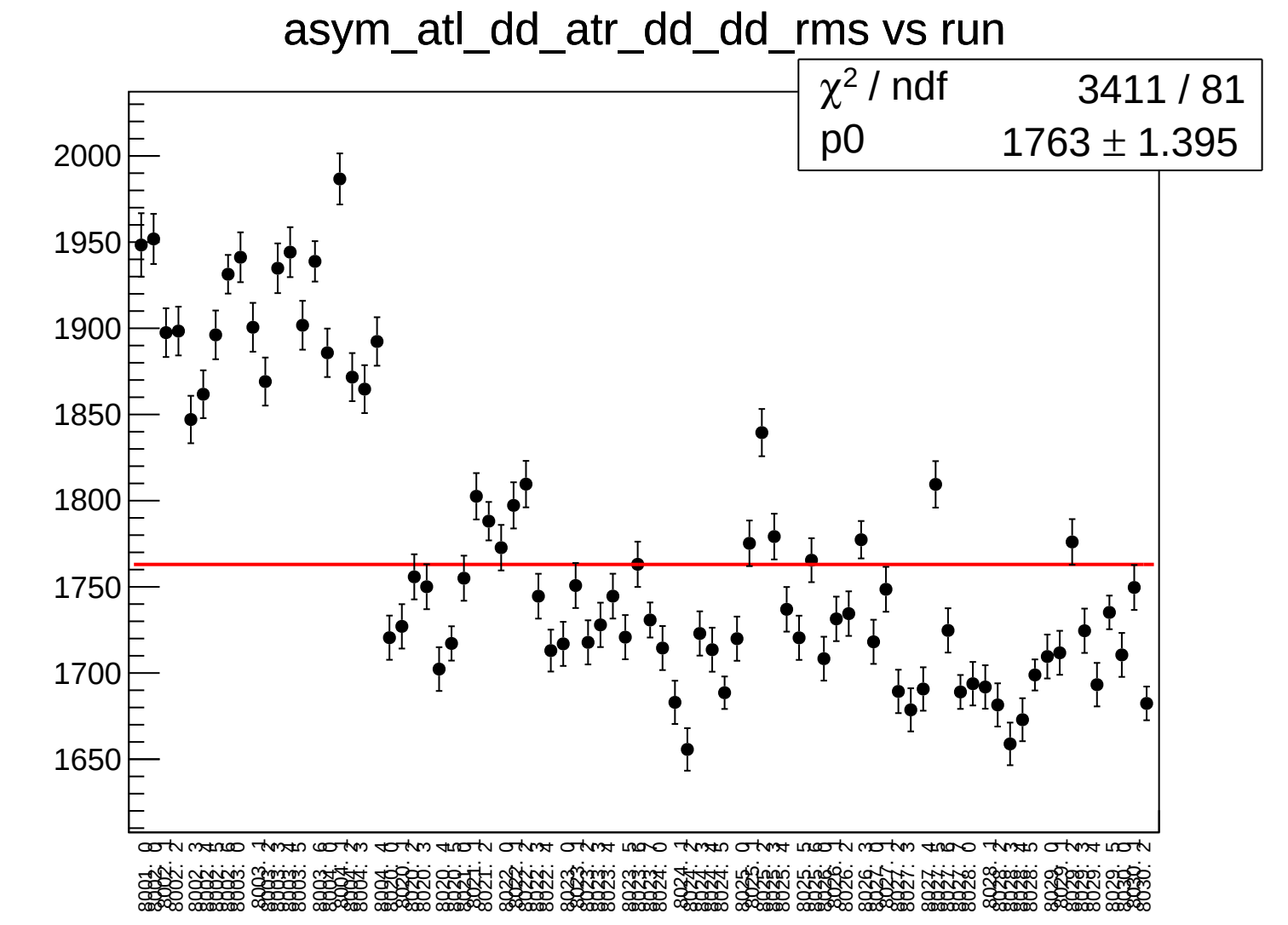

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 203.8 / 81
p0 1264 ± 0.9989
1320
1300
1280
1260
1240
1220
1200

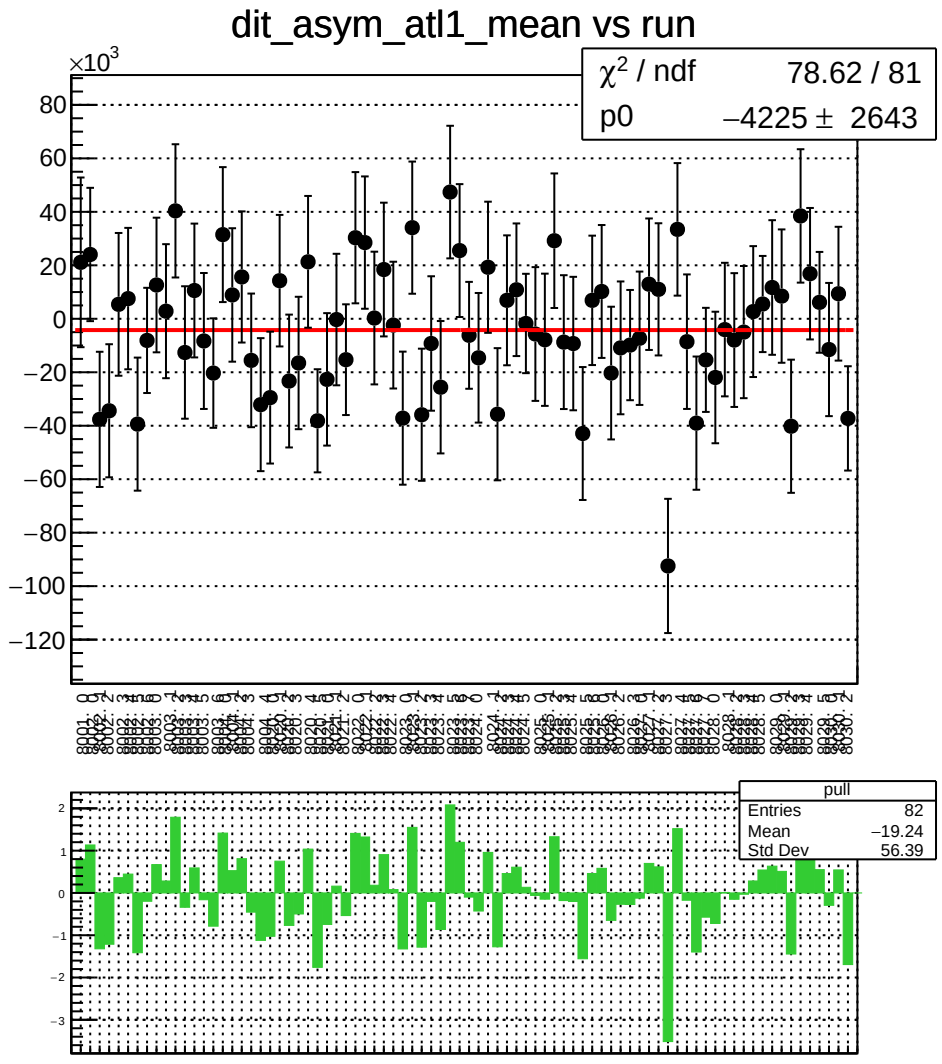

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 67.71 / 81
p0 −402.8 ± 1366
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −397.3
Std Dev 447.3
2
1
0
−1
−2

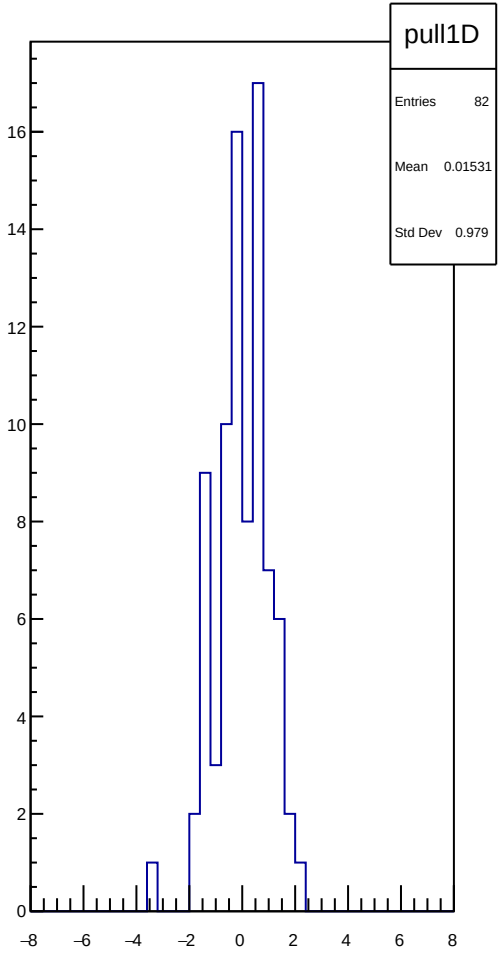

pull1D
Entries 82
Mean 0.005339
Std Dev 0.9087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

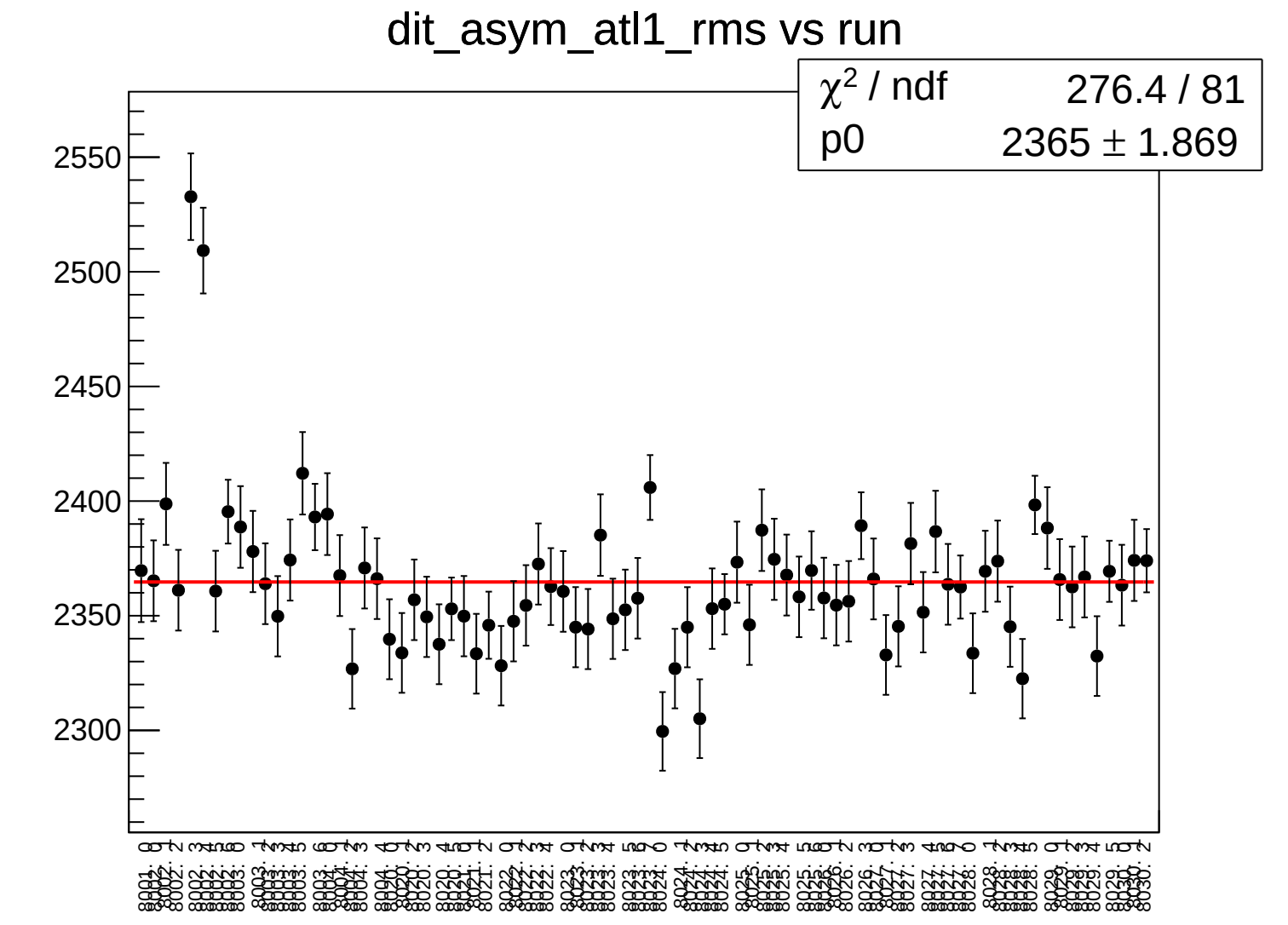

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.54e+04 / 81
p0 1216 ± 0.9657
1500
1400
1300
1200
1100

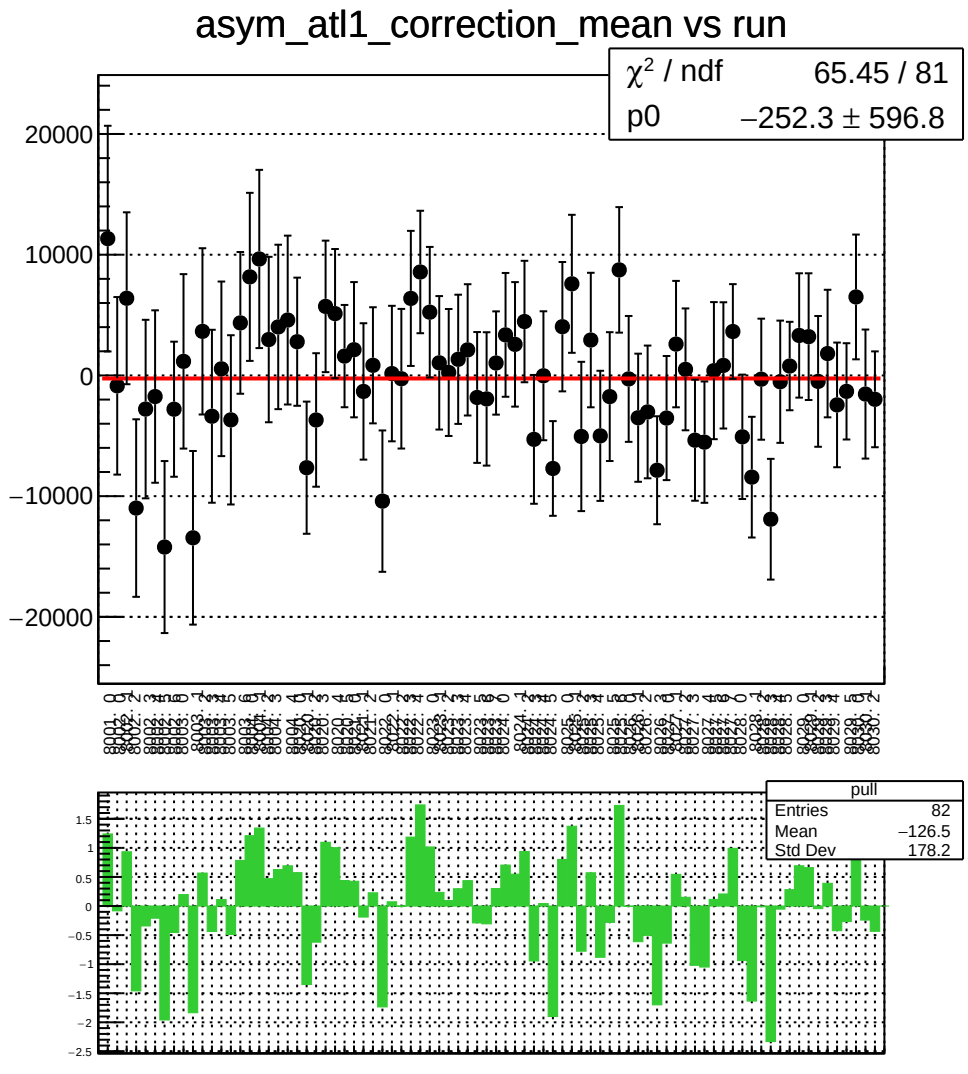

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 78.59 / 81
p0 1632 ± 1973
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 99.38
Std Dev 9.597
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.0177
Std Dev 0.9788
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

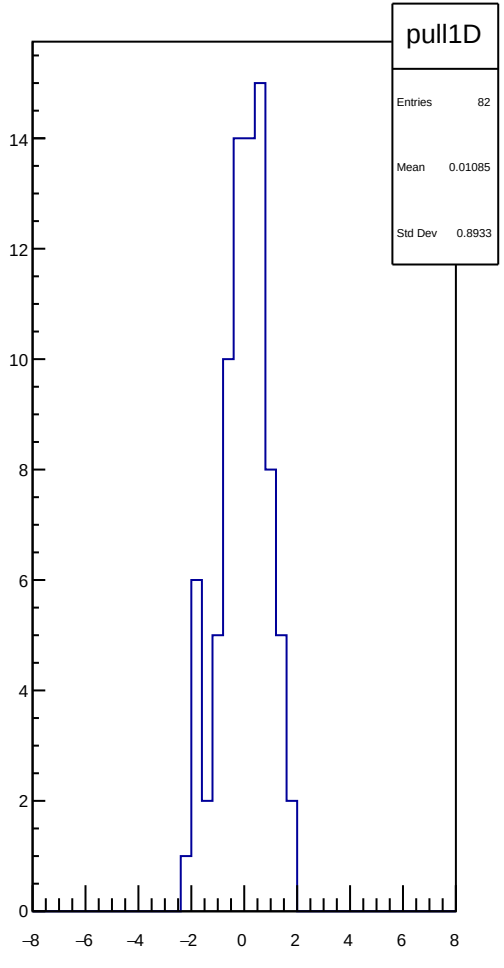

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3411 / 81
p0 1763 ± 1.395
2000
1950
1900
1850
1800
1750
1700
1650

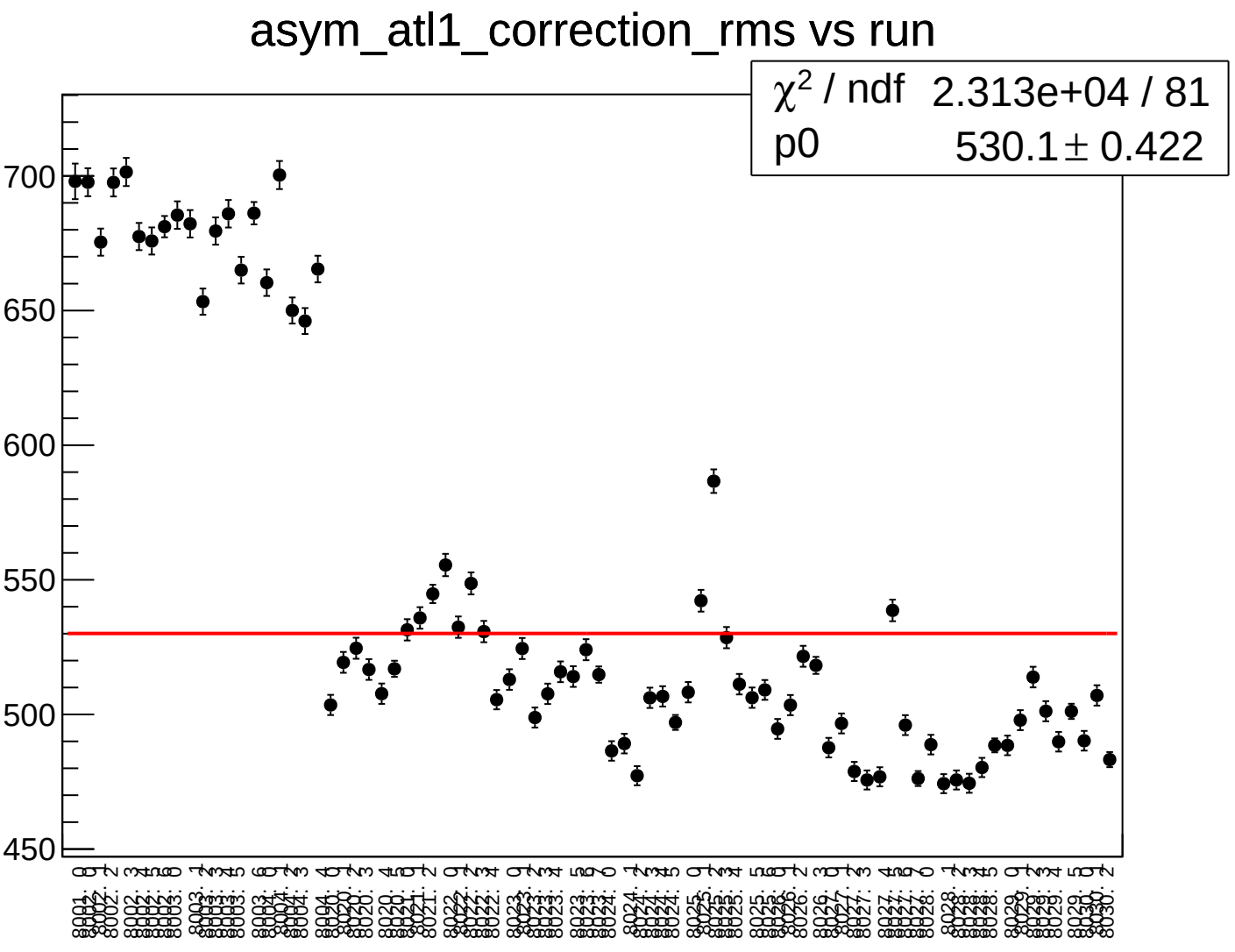

dit_asym_atl1_mean vs run
χ^2 / ndf 78.62 / 81
p0 −4225 ± 2643
×10^3
pull
Entries 82
Mean −19.24
Std Dev 56.39

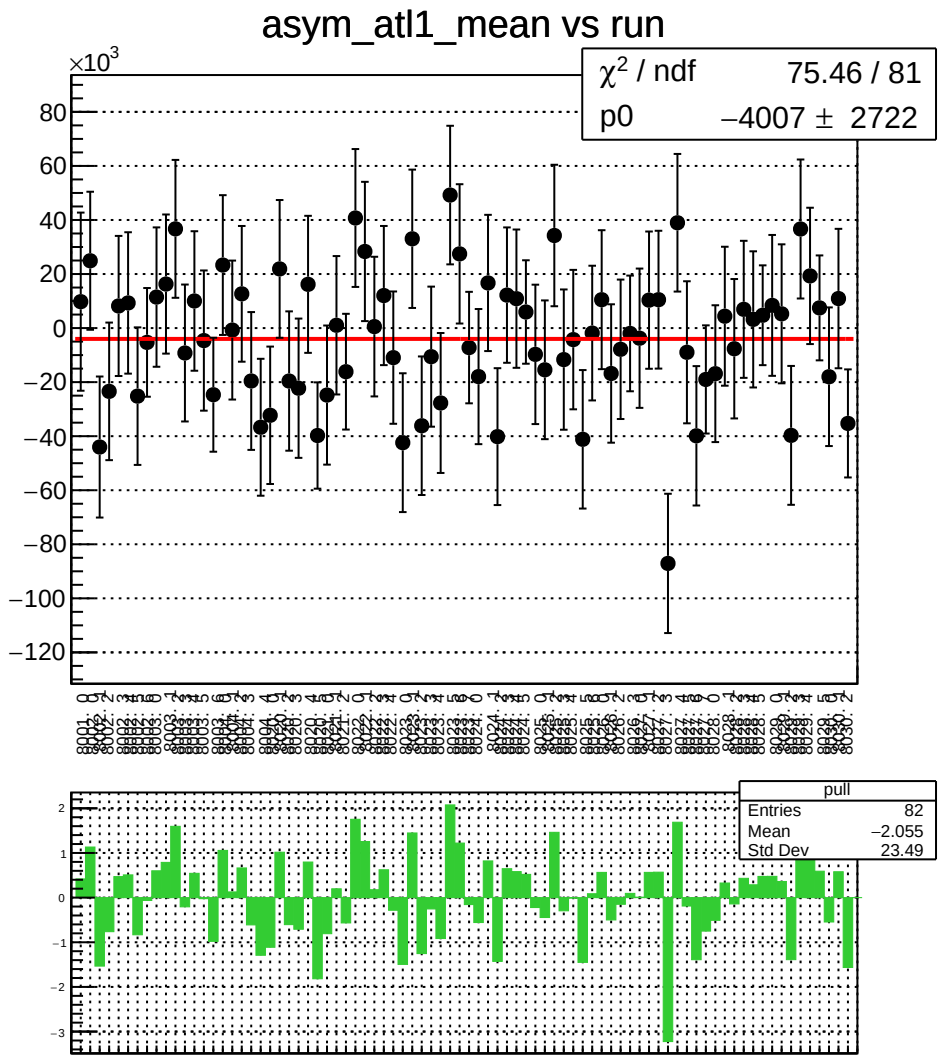

pull1D
Entries 82
Mean 0.01531
Std Dev 0.979

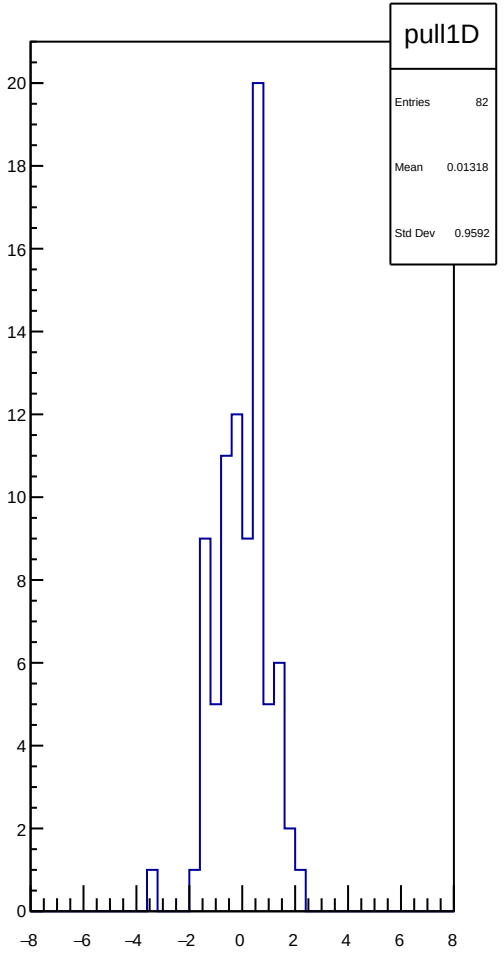

dit_asym_atl1_rms vs run
χ^2 / ndf 276.4 / 81
p0 2365 ± 1.869
2550
2500
2450
2400
2350
2300

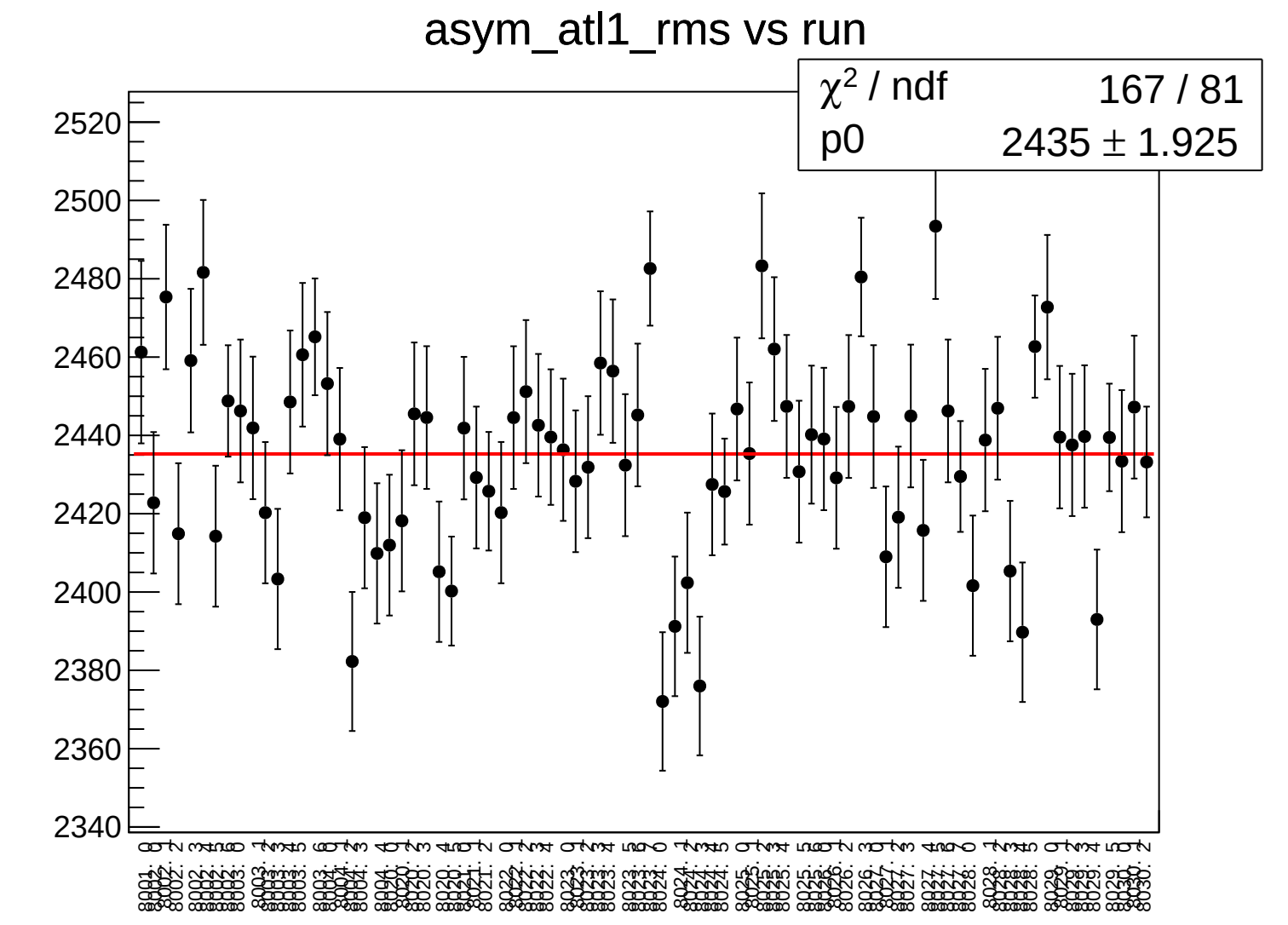

asym_atl1_correction_mean vs run
χ² / ndf 65.45 / 81
p0 −252.3 ± 596.8
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −126.5
Std Dev 178.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

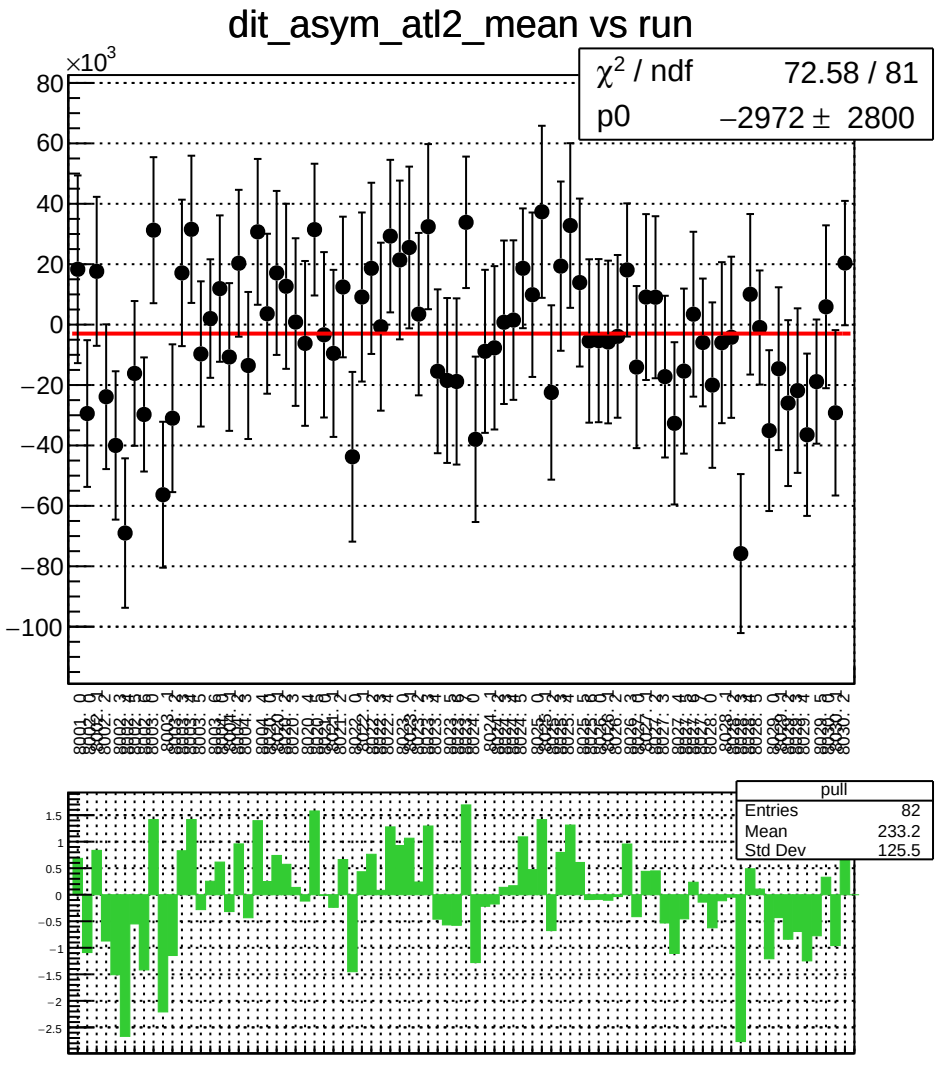

pull1D
Entries 82
Mean 0.01085
Std Dev 0.8933
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

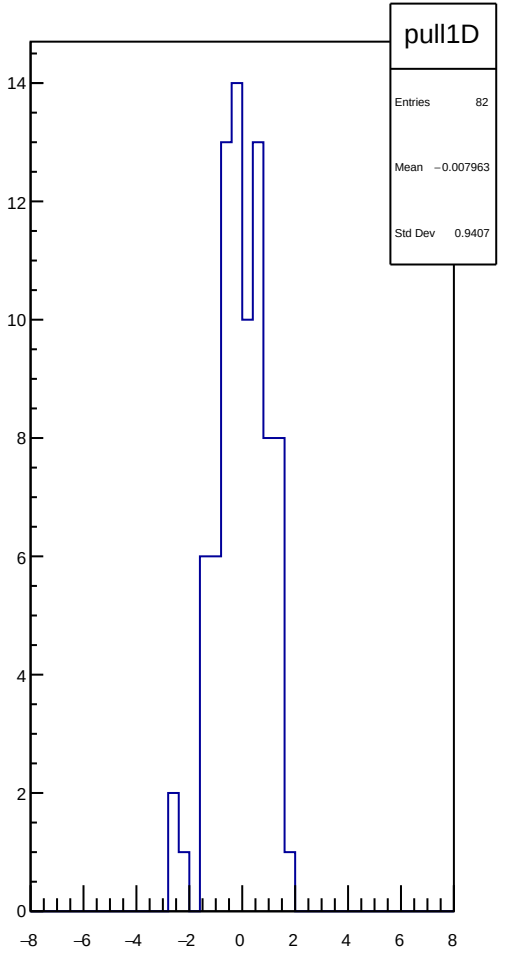

asym_atl1_correction_rms vs run
χ² / ndf 2.313e+04 / 81
p0 530.1 ± 0.422
700
650
600
550
500
450

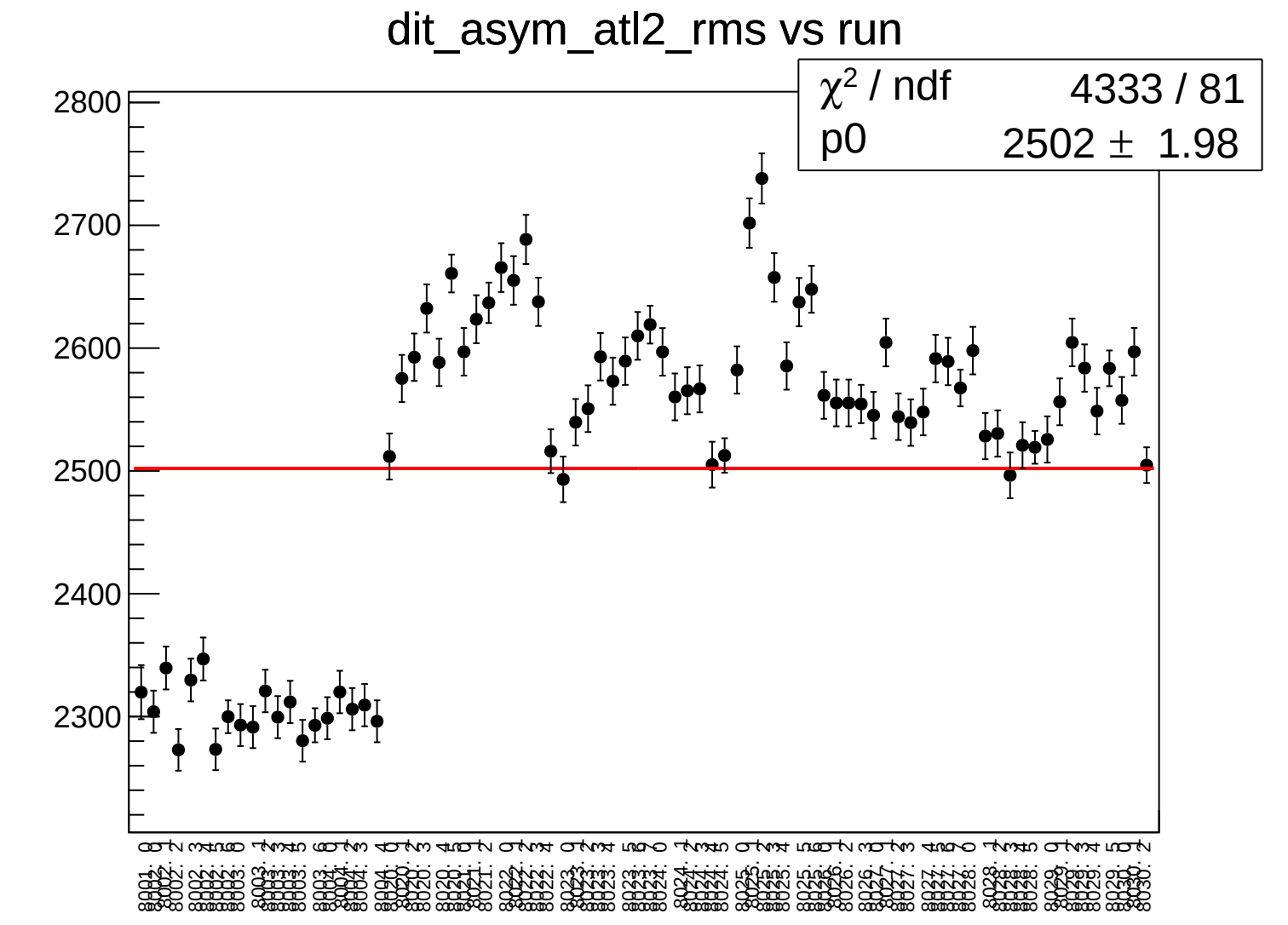

asym_atl1_mean vs run
χ² / ndf 75.46 / 81
p0 −4007 ± 2722
pull
Entries 82
Mean −2.055
Std Dev 23.49

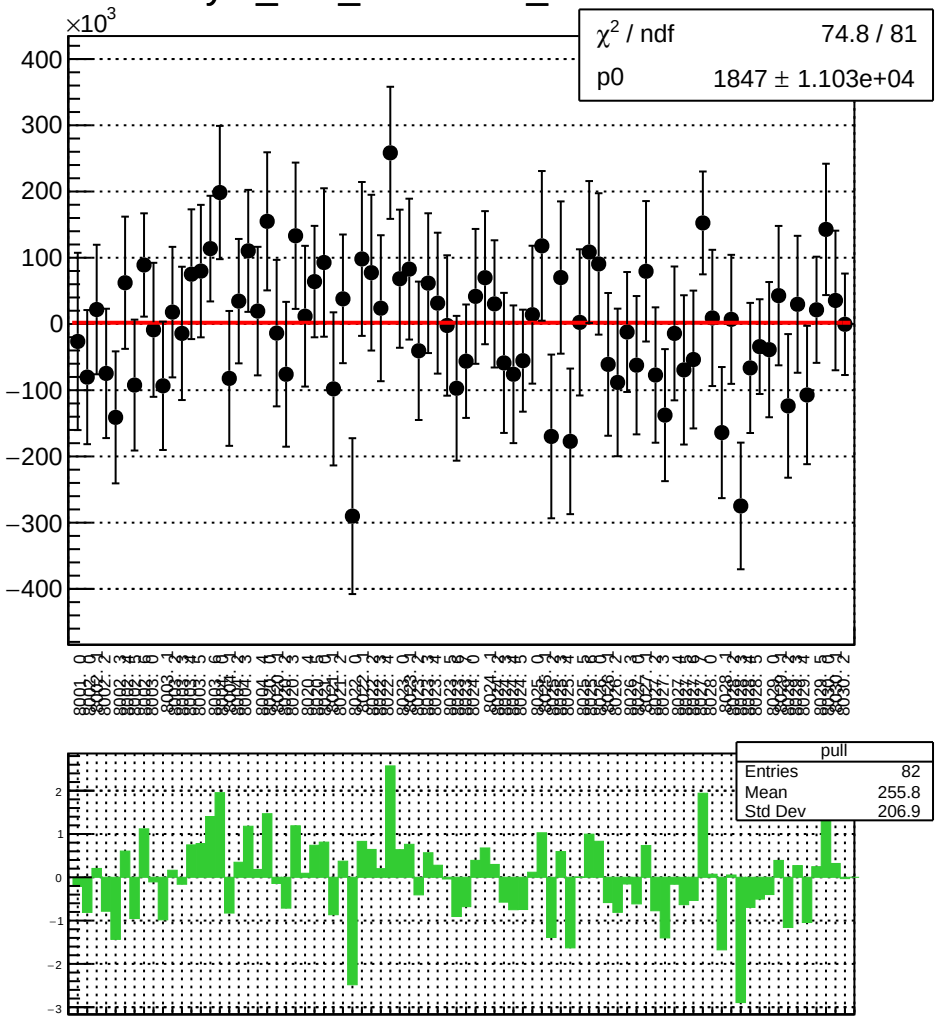

pull1D
Entries 82
Mean 0.01318
Std Dev 0.9592

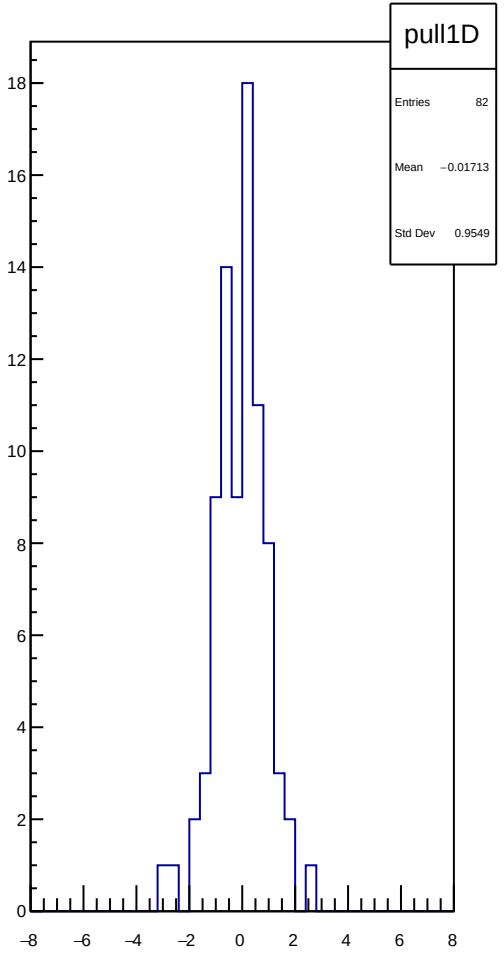

asym_atl1_rms vs run
χ^2 / ndf 167 / 81
p0 2435 ± 1.925
2520
2500
2480
2460
2440
2420
2400
2380
2360
2340

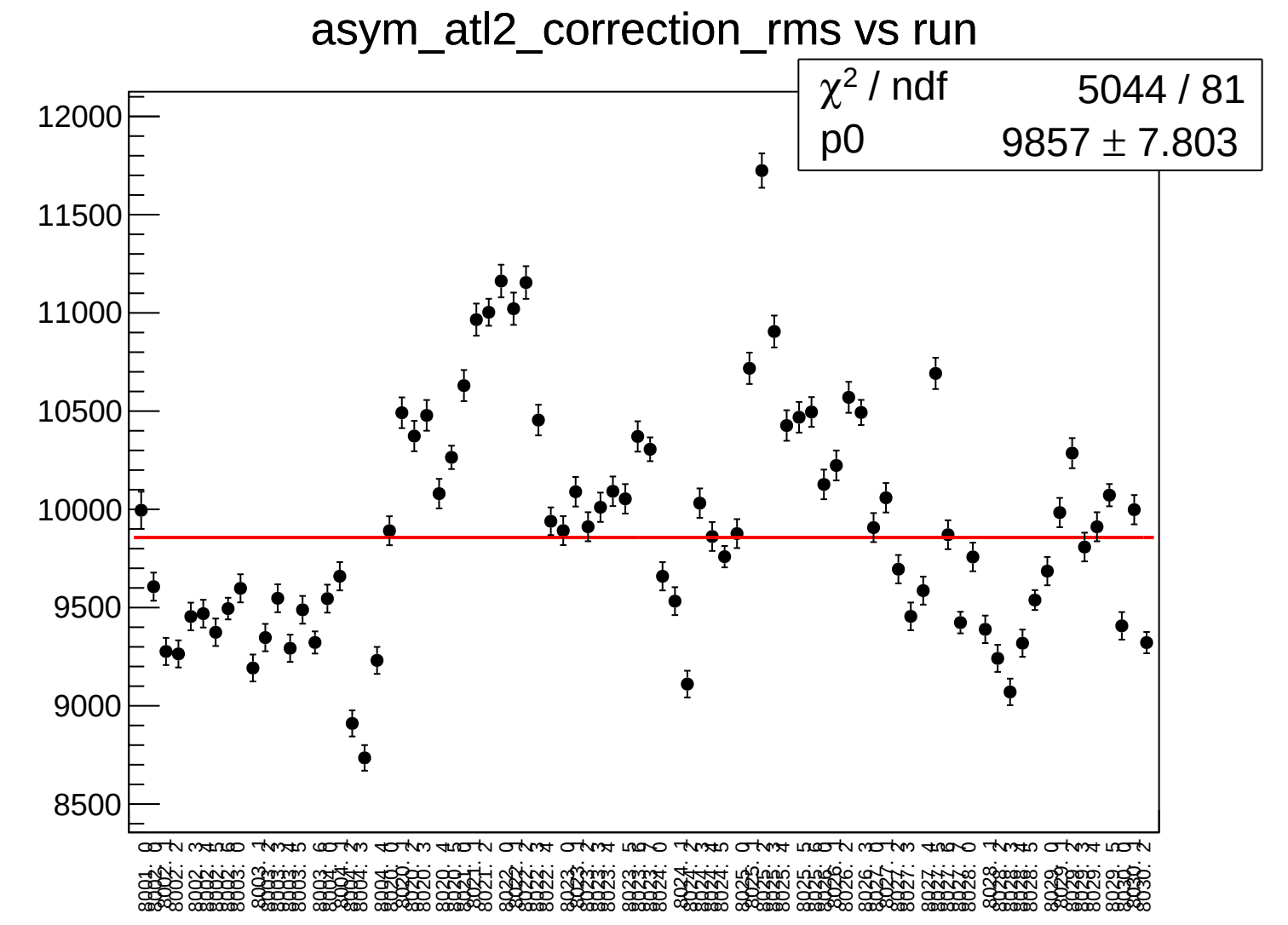

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 72.58 / 81
p0 −2972 ± 2800
pull
Entries 82
Mean 233.2
Std Dev 125.5

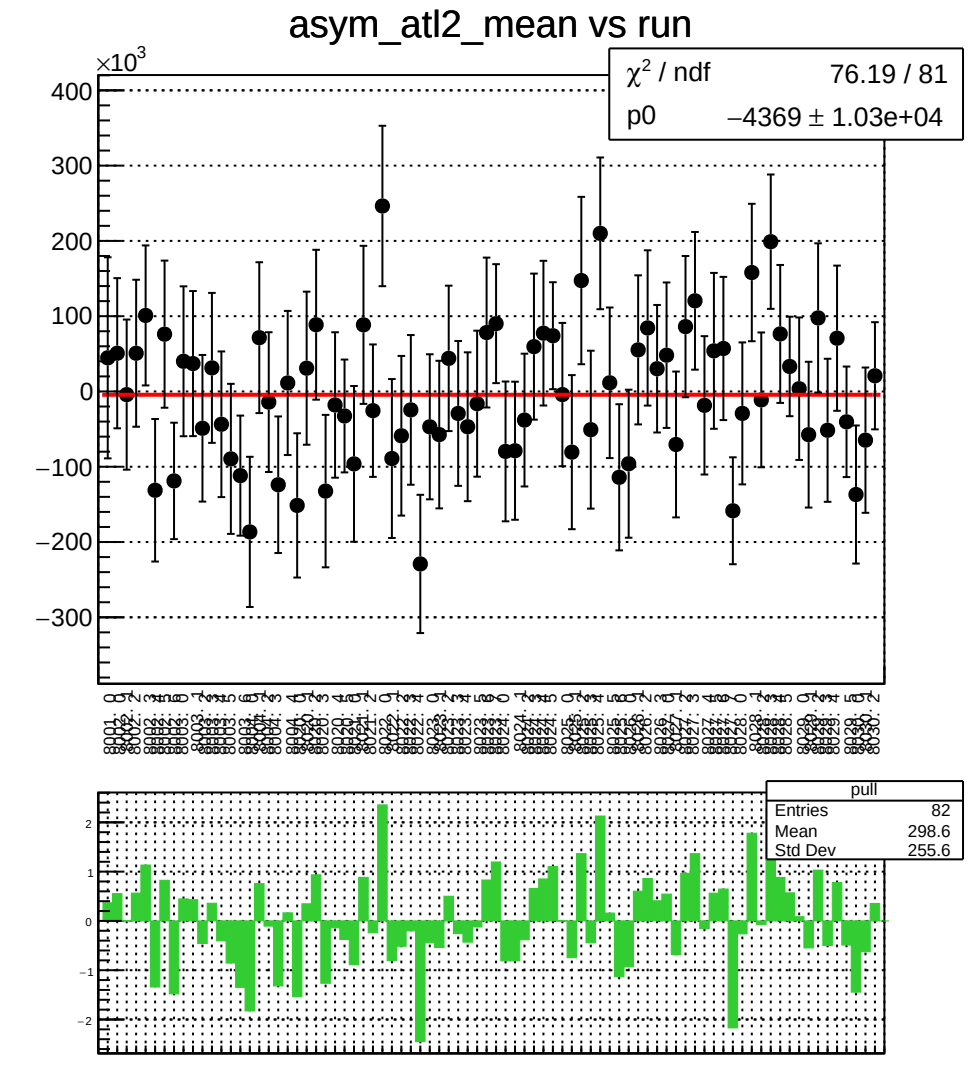

pull1D
Entries 82
Mean −0.007963
Std Dev 0.9407

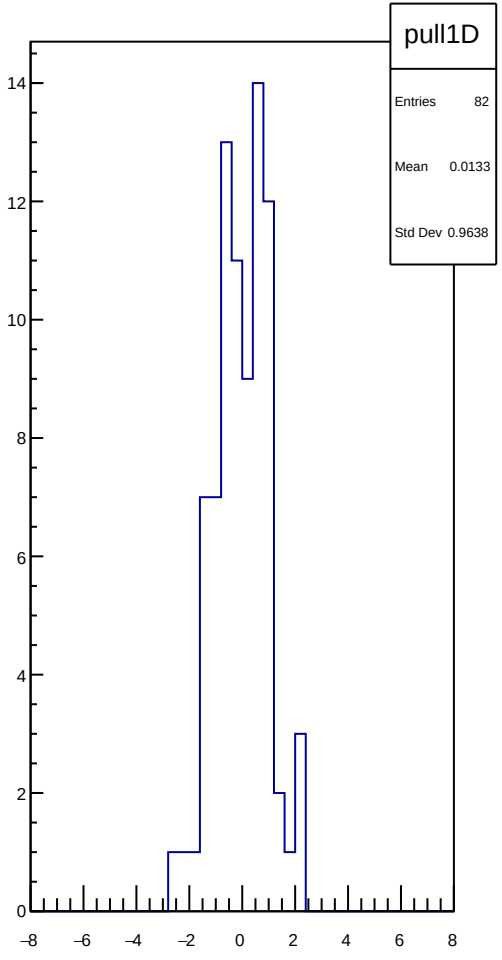

dit_asym_atl2_rms vs run
χ² / ndf 4333 / 81
p0 2502 ± 1.98
2800
2700
2600
2500
2400
2300

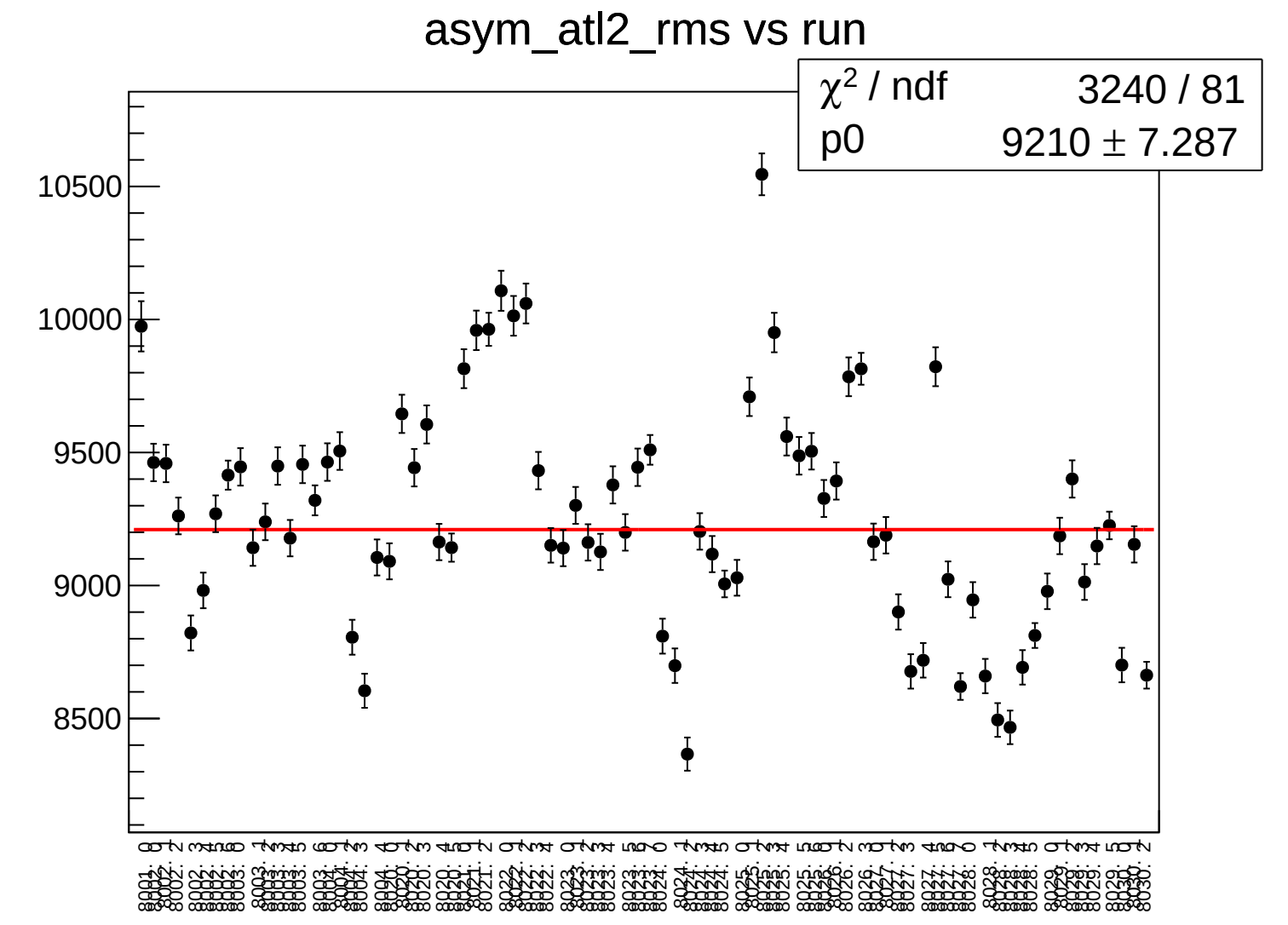

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 74.8 / 81
p0 1847 ± 1.103e+04
pull
Entries 82
Mean 255.8
Std Dev 206.9

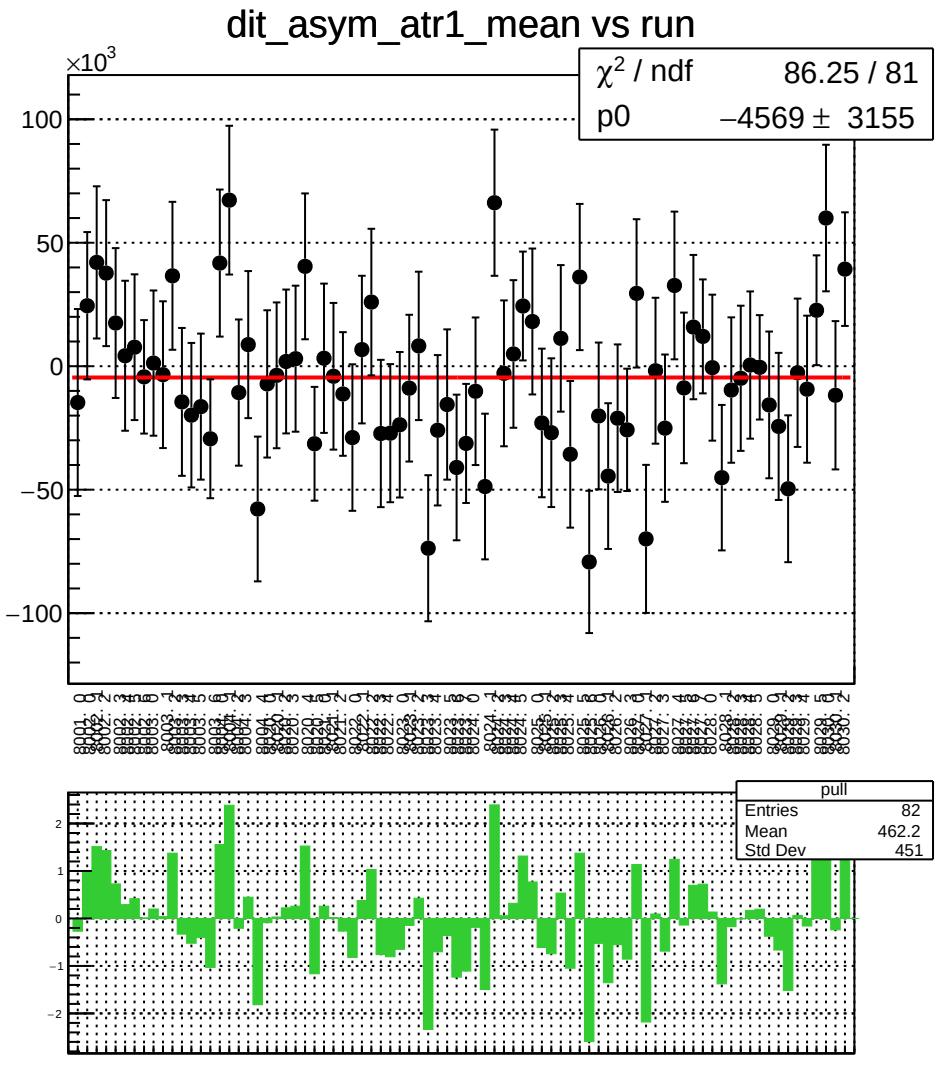

pull1D
Entries 82
Mean −0.01713
Std Dev 0.9549

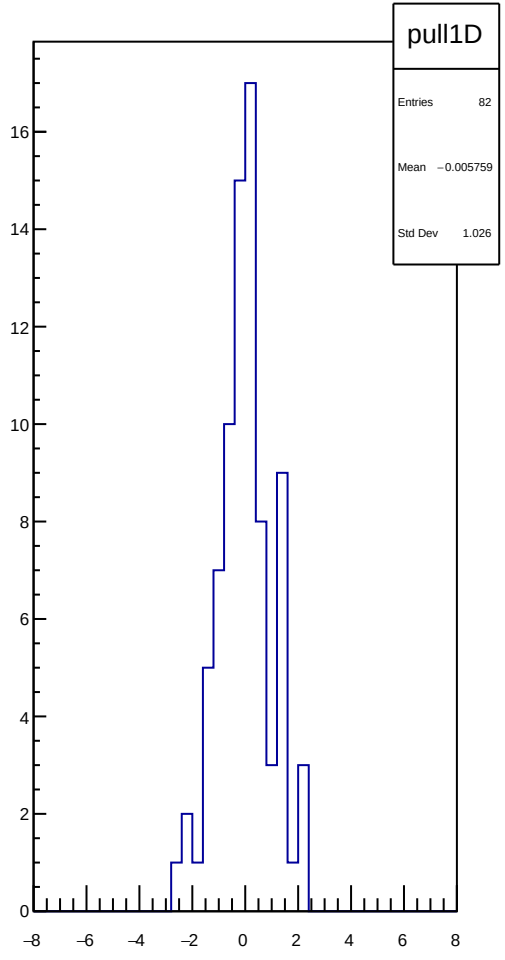

asym_atl2_correction_rms vs run
χ² / ndf 5044 / 81
p0 9857 ± 7.803
12000
11500
11000
10500
10000
9500
9000
8500

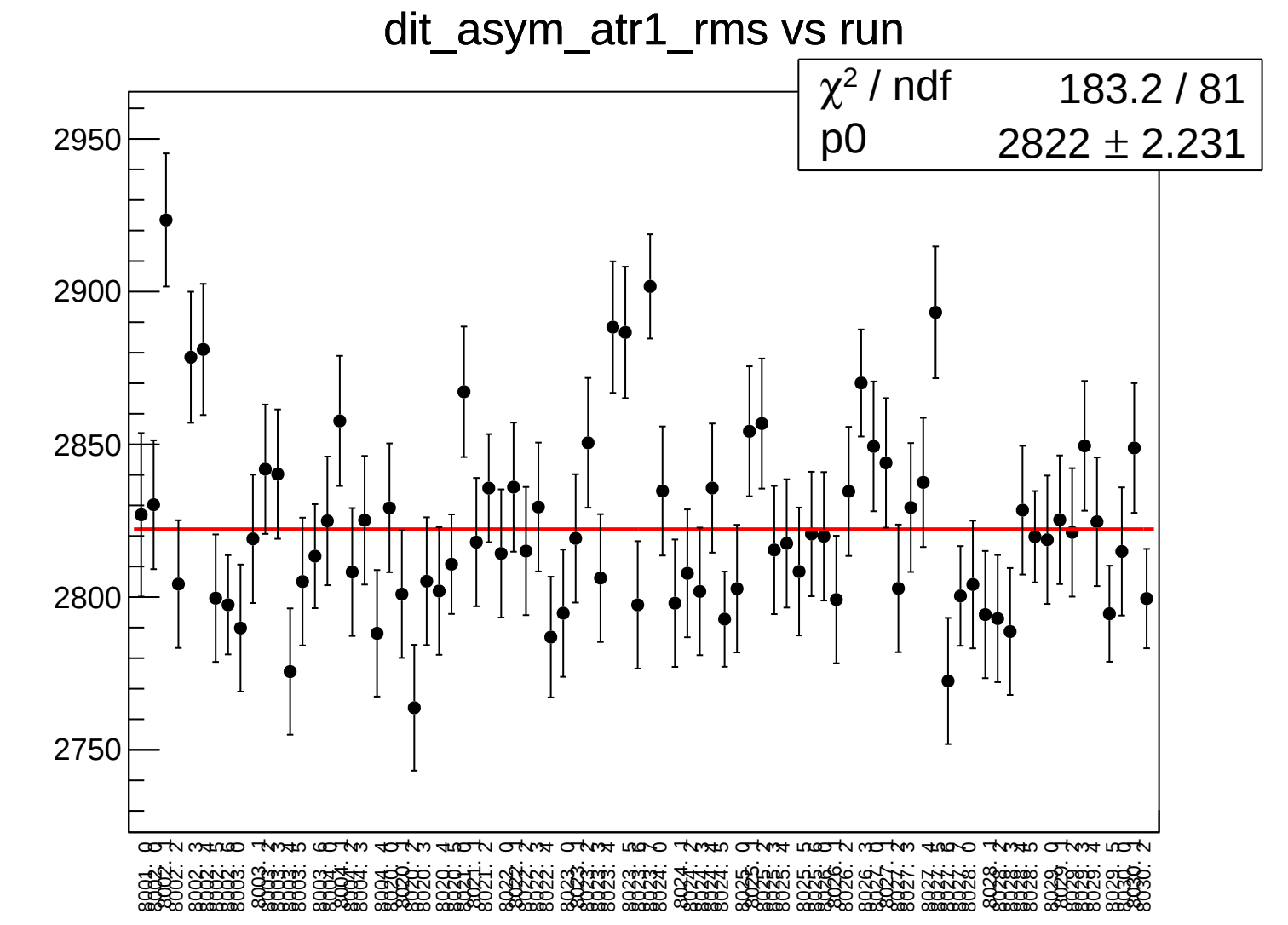

asym_atl2_mean vs run
×10^3
χ² / ndf 76.19 / 81
p0 −4369 ± 1.03e+04
pull
Entries 82
Mean 298.6
Std Dev 255.6

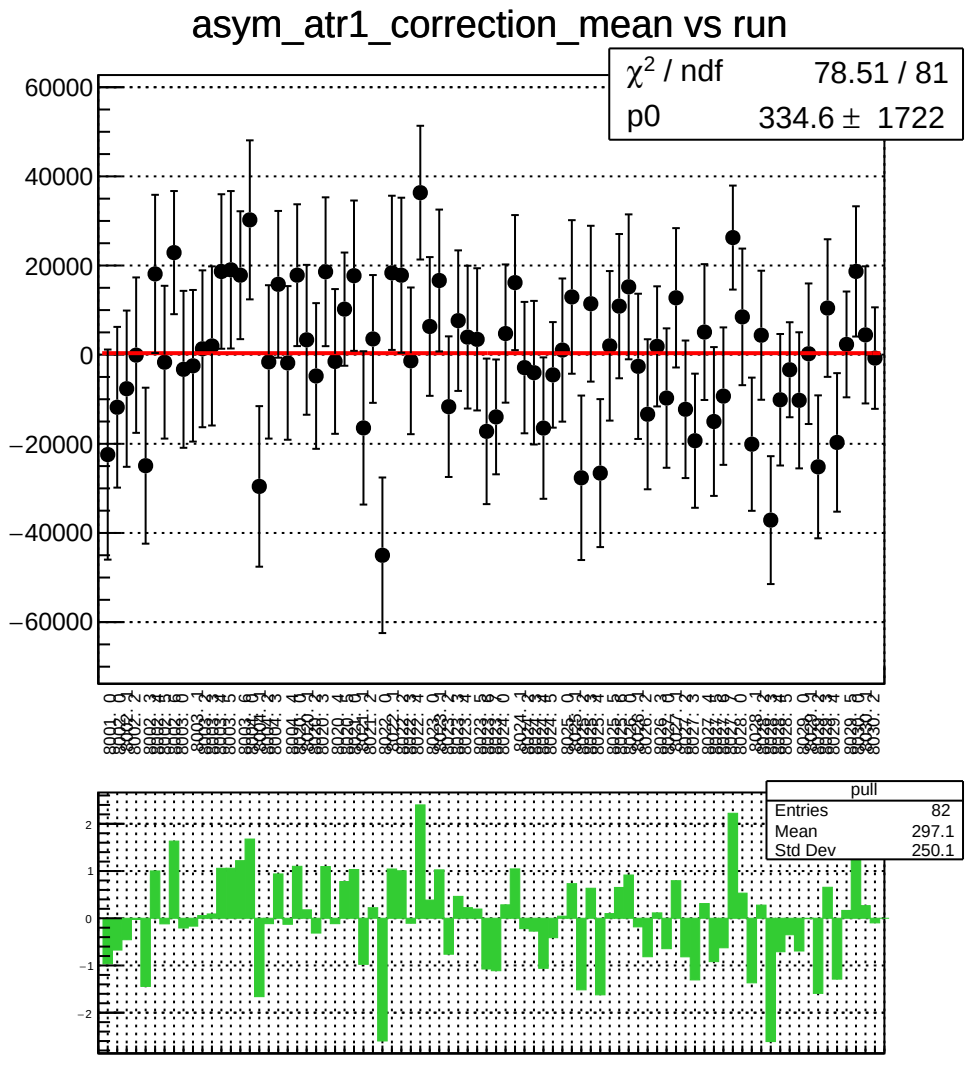

pull1D
Entries 82
Mean 0.0133
Std Dev 0.9638

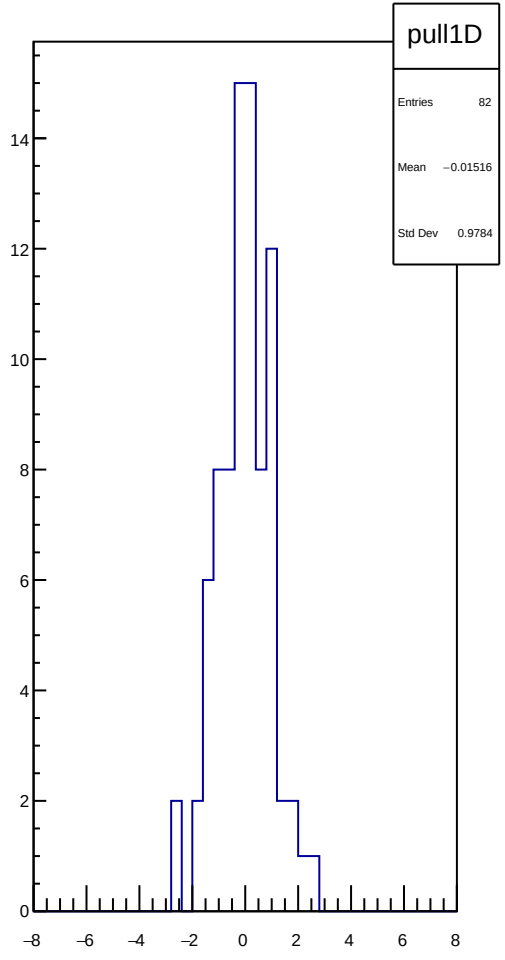

asym_atl2_rms vs run
χ² / ndf 3240 / 81
p0 9210 ± 7.287
10500
10000
9500
9000
8500

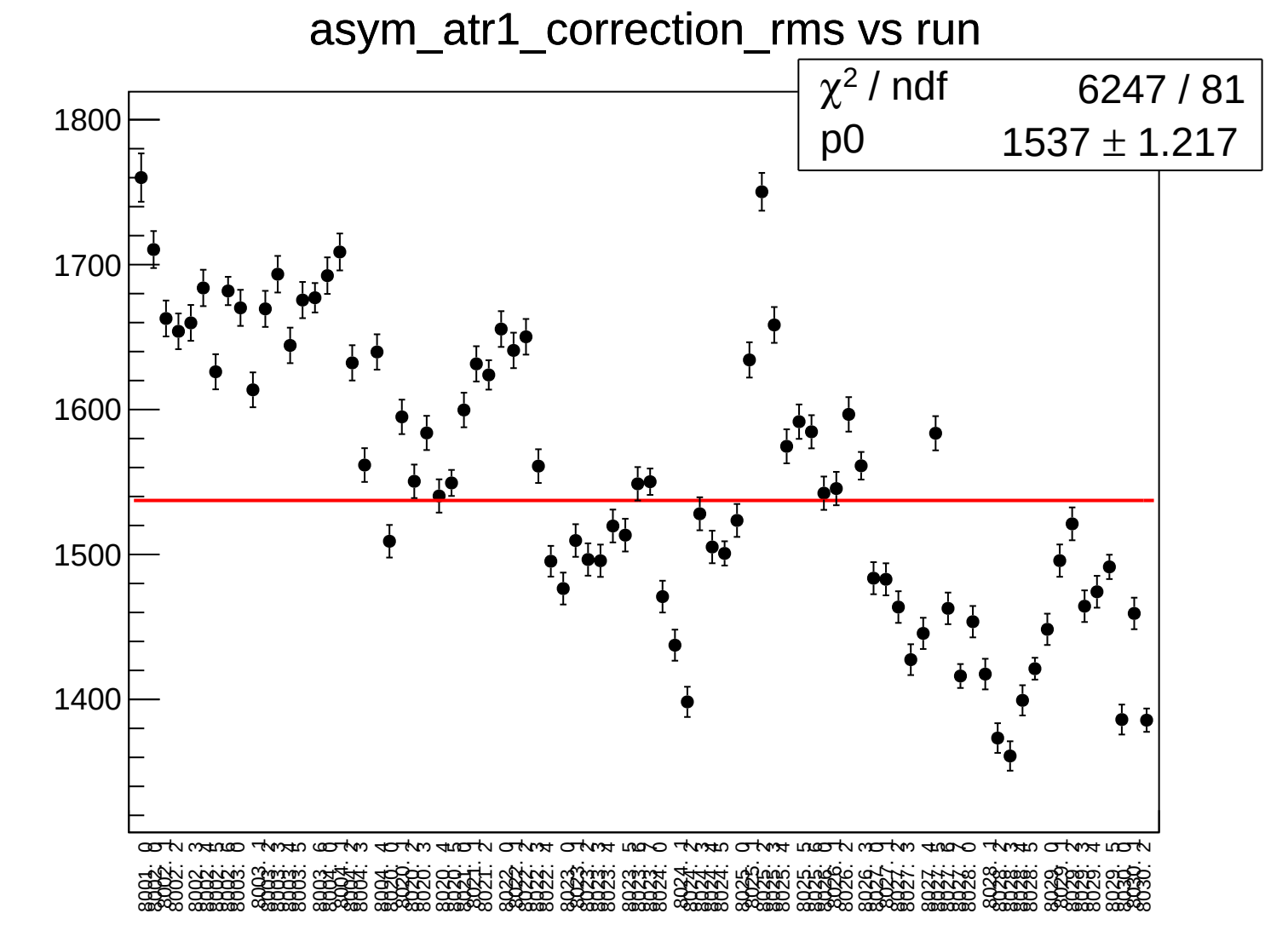

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 86.25 / 81
p0 −4569 ± 3155
100
50
0
−50
−100
pull
Entries 82
Mean 462.2
Std Dev 451
2
1
0
−1
−2

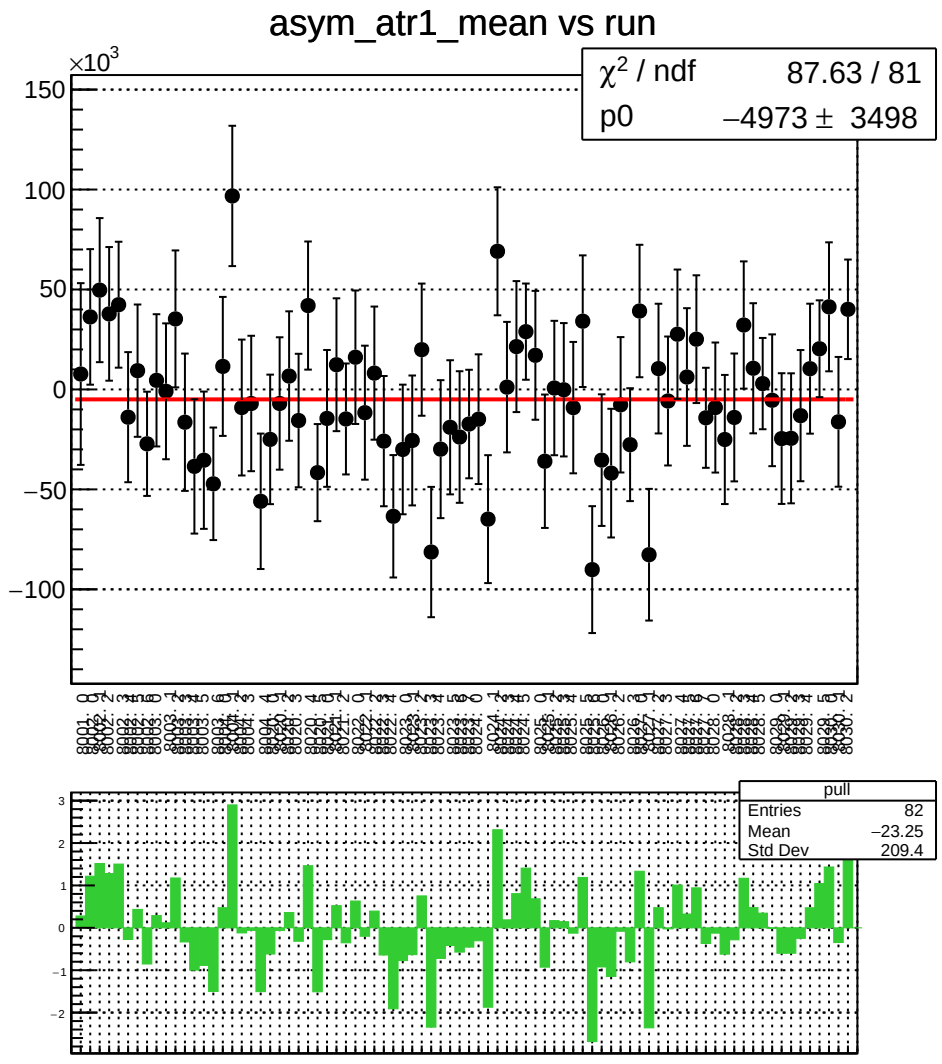

pull1D
Entries 82
Mean −0.005759
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

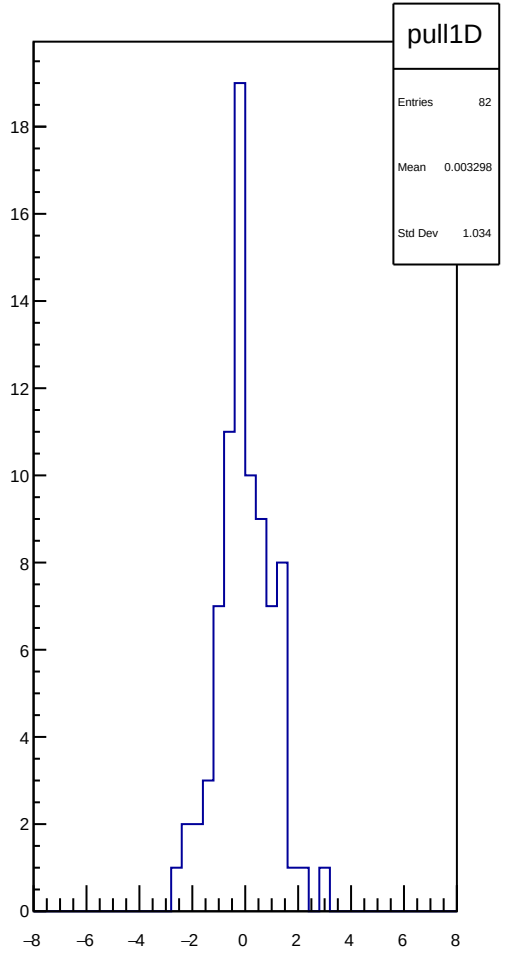

dit_asym_atr1_rms vs run
χ² / ndf 183.2 / 81
p0 2822 ± 2.231
2950
2900
2850
2800
2750

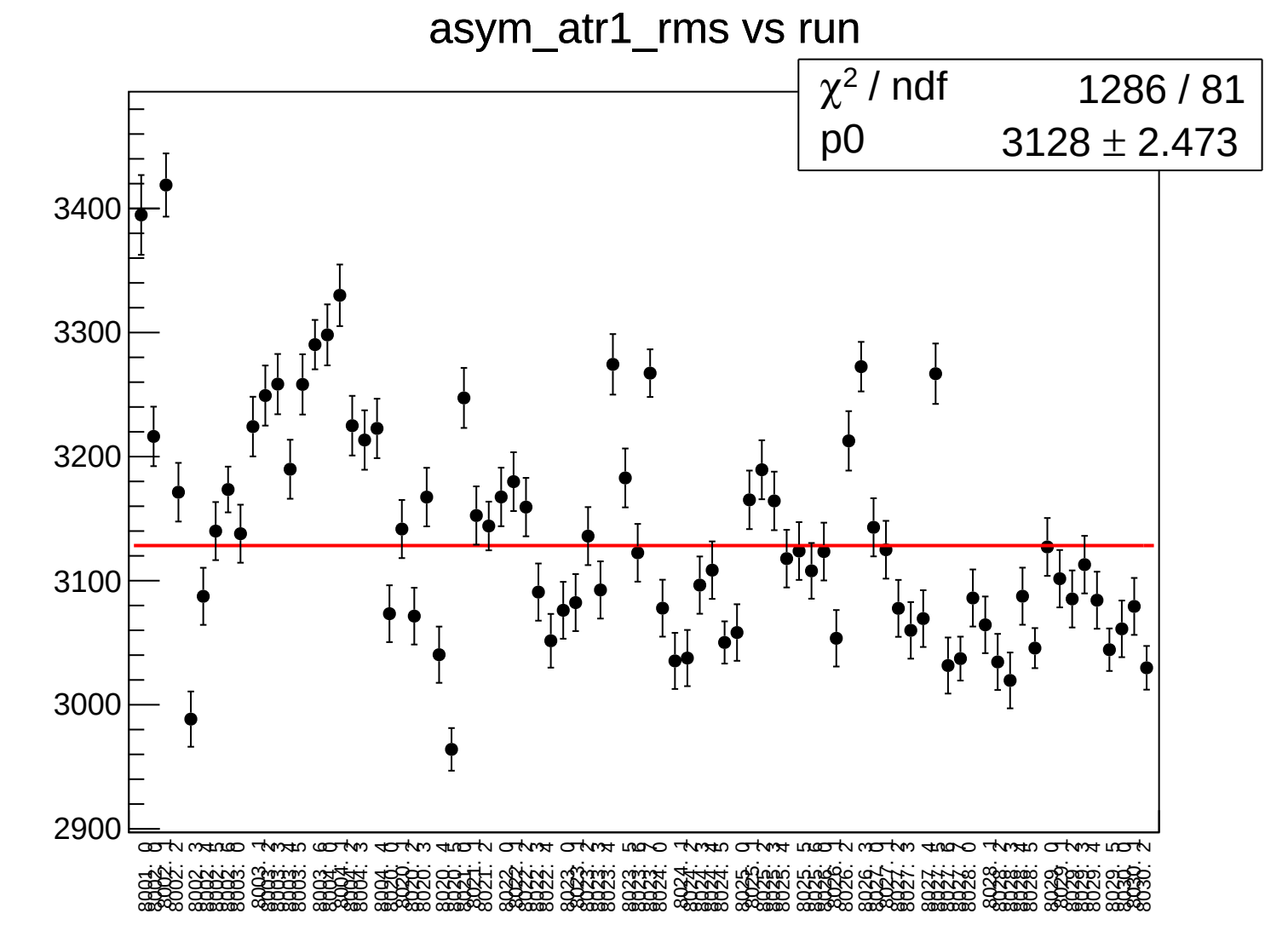

asym_atr1_correction_mean vs run
χ² / ndf 78.51 / 81
p0 334.6 ± 1722
pull
Entries 82
Mean 297.1
Std Dev 250.1

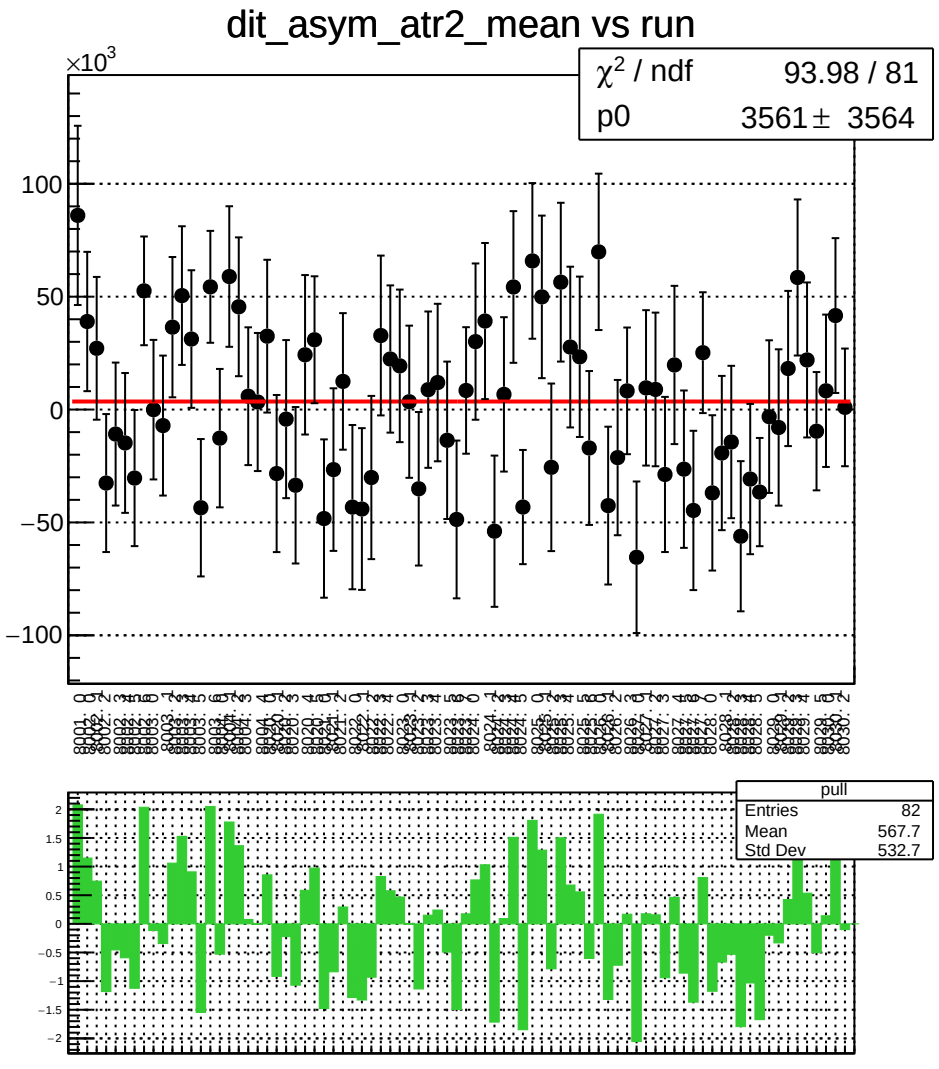

pull1D
Entries 82
Mean −0.01516
Std Dev 0.9784

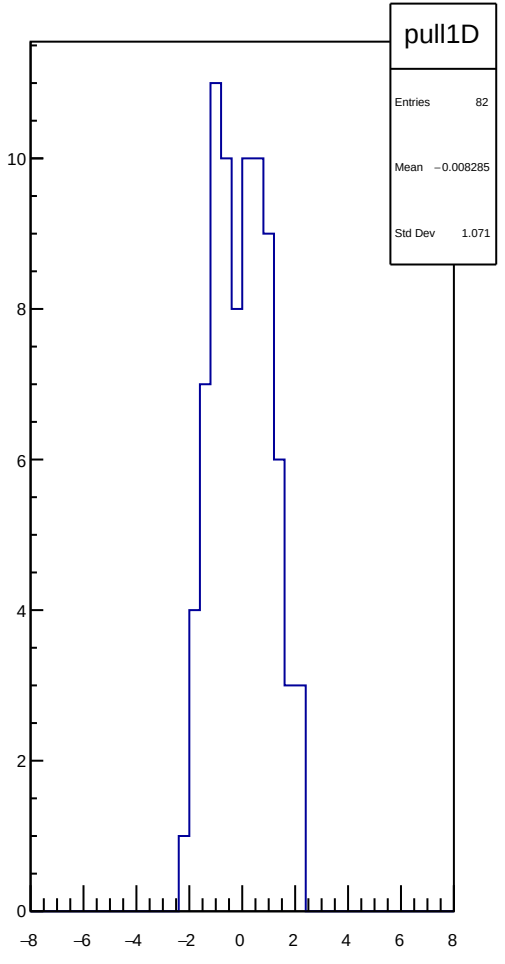

asym_atr1_correction_rms vs run
χ² / ndf 6247 / 81
p0 1537 ± 1.217
1800
1700
1600
1500
1400

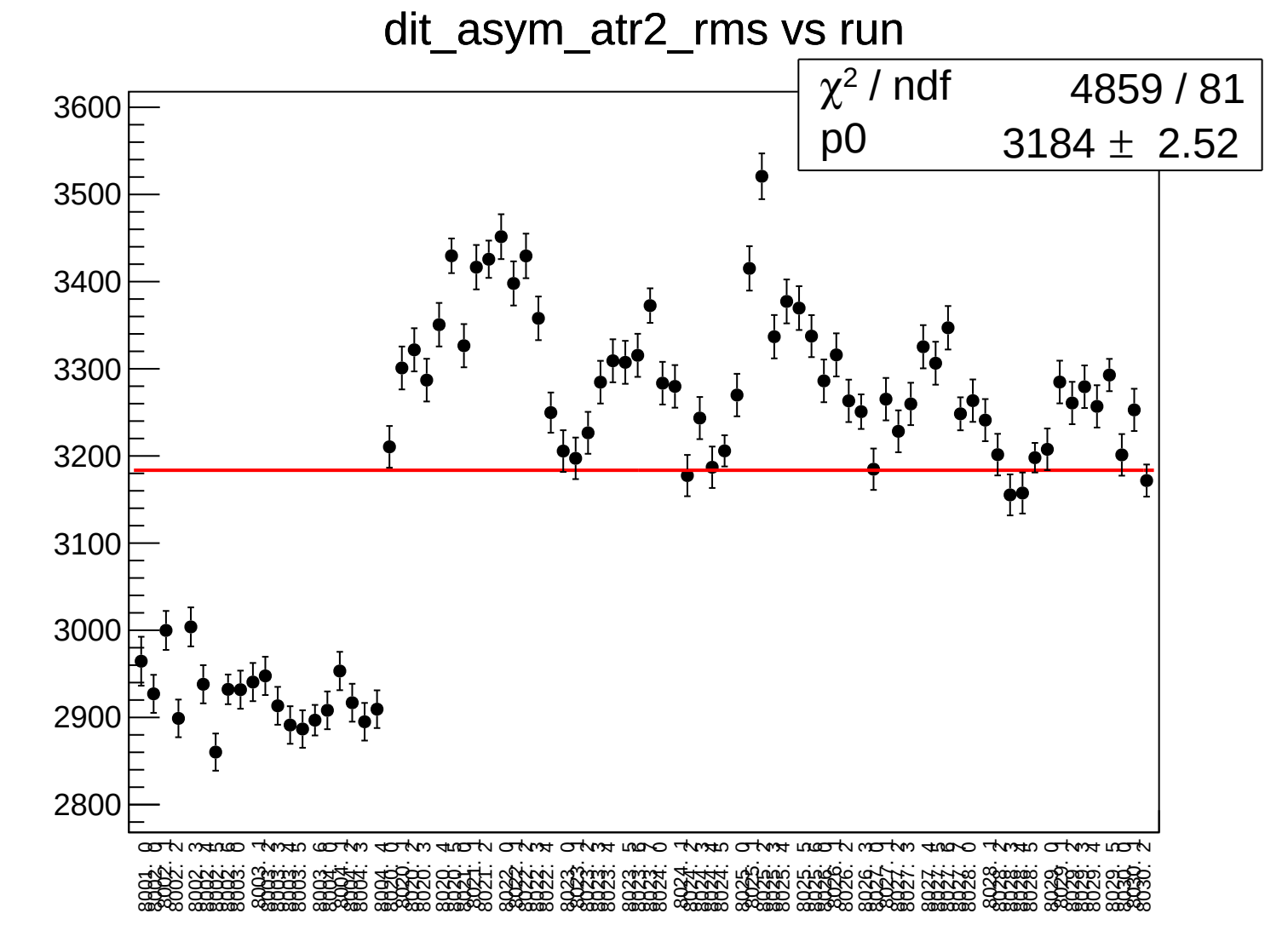

asym_atr1_mean vs run
×10^3
χ² / ndf 87.63 / 81
p0 −4973 ± 3498
150
100
50
0
−50
−100
pull
Entries 82
Mean −23.25
Std Dev 209.4
3
2
1
0
−1
−2

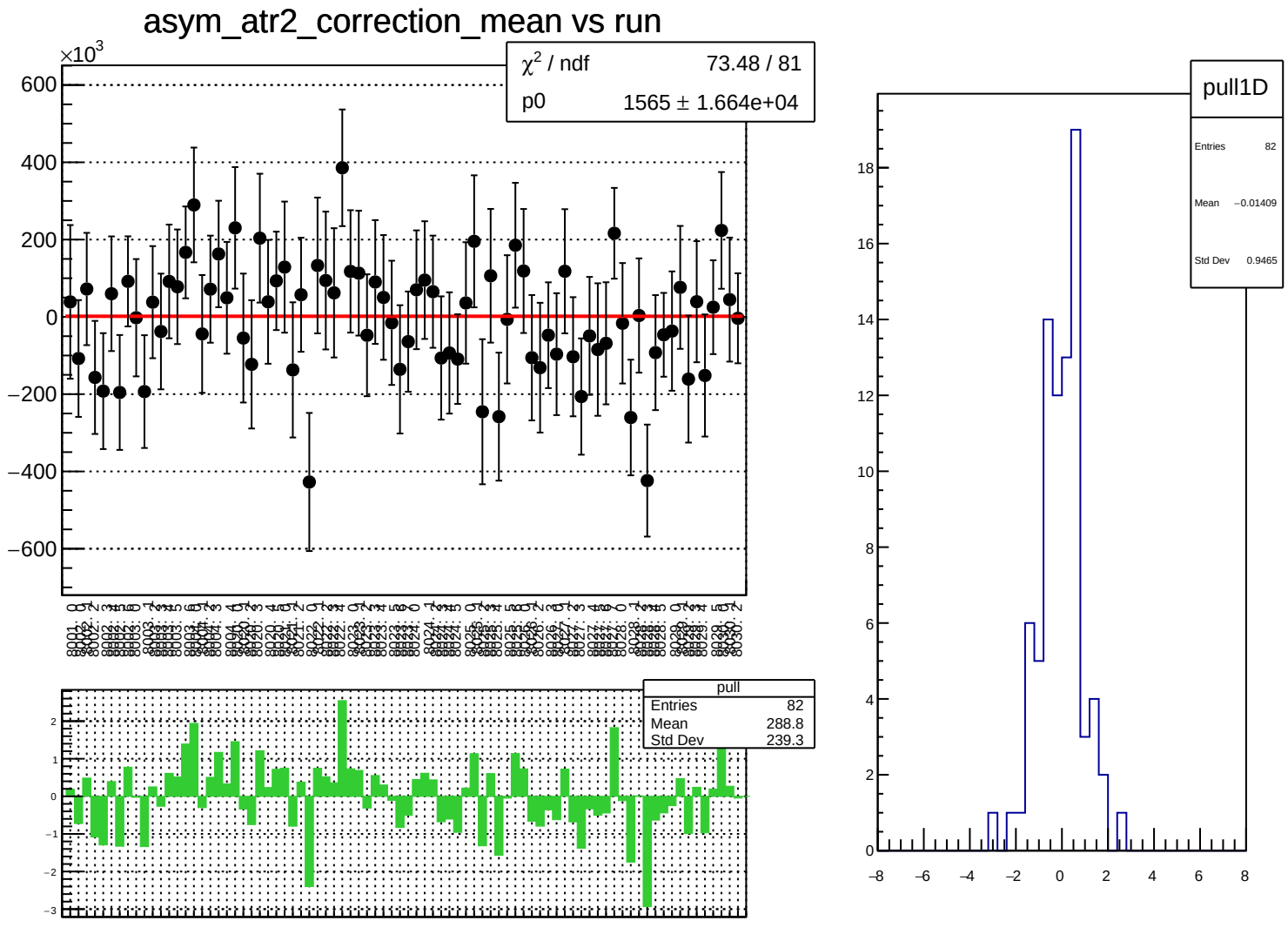

pull1D
Entries 82
Mean 0.003298
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

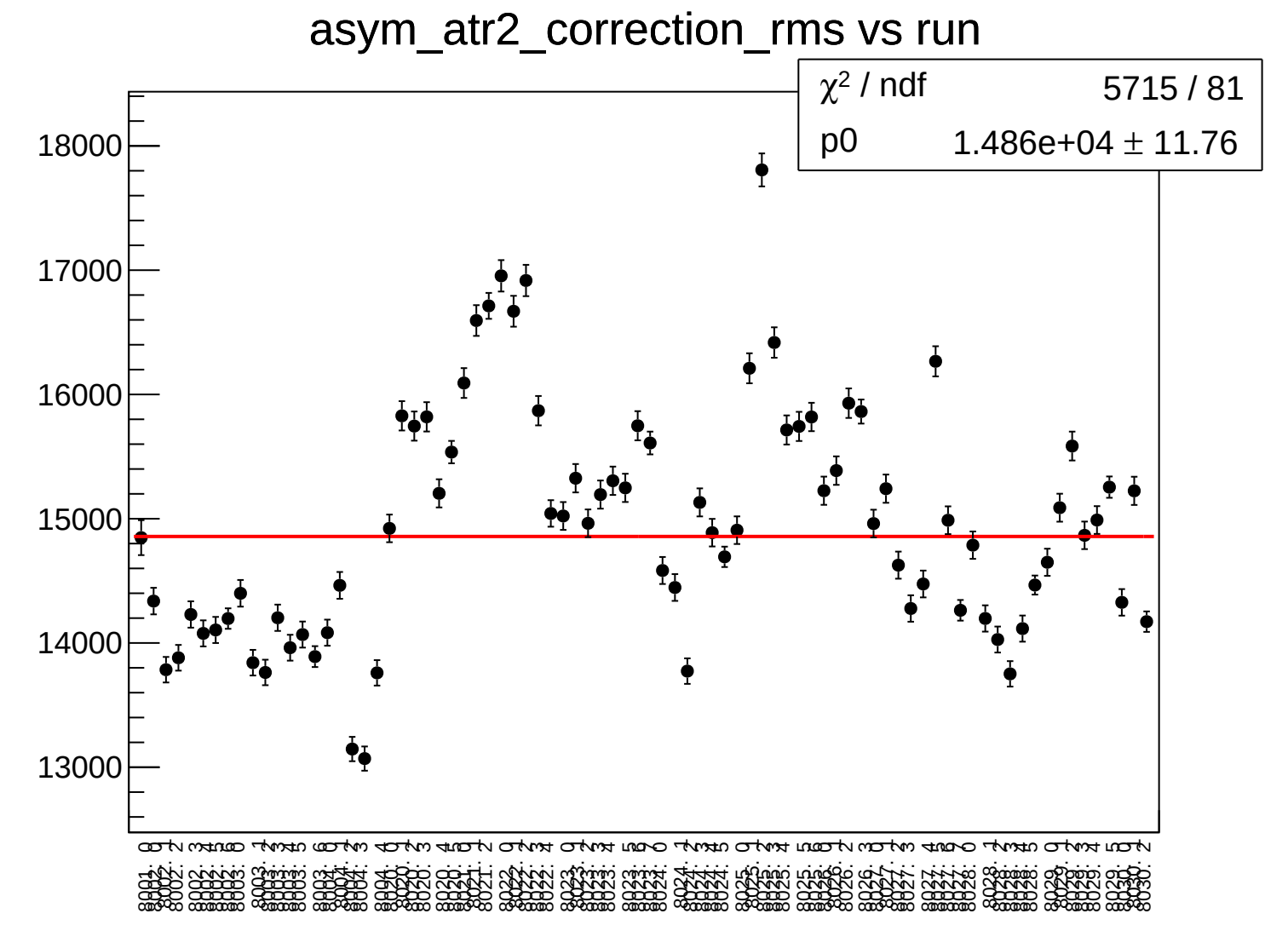

asym_atr1_rms vs run
χ² / ndf 1286 / 81
p0 3128 ± 2.473
3400
3300
3200
3100
3000
2900

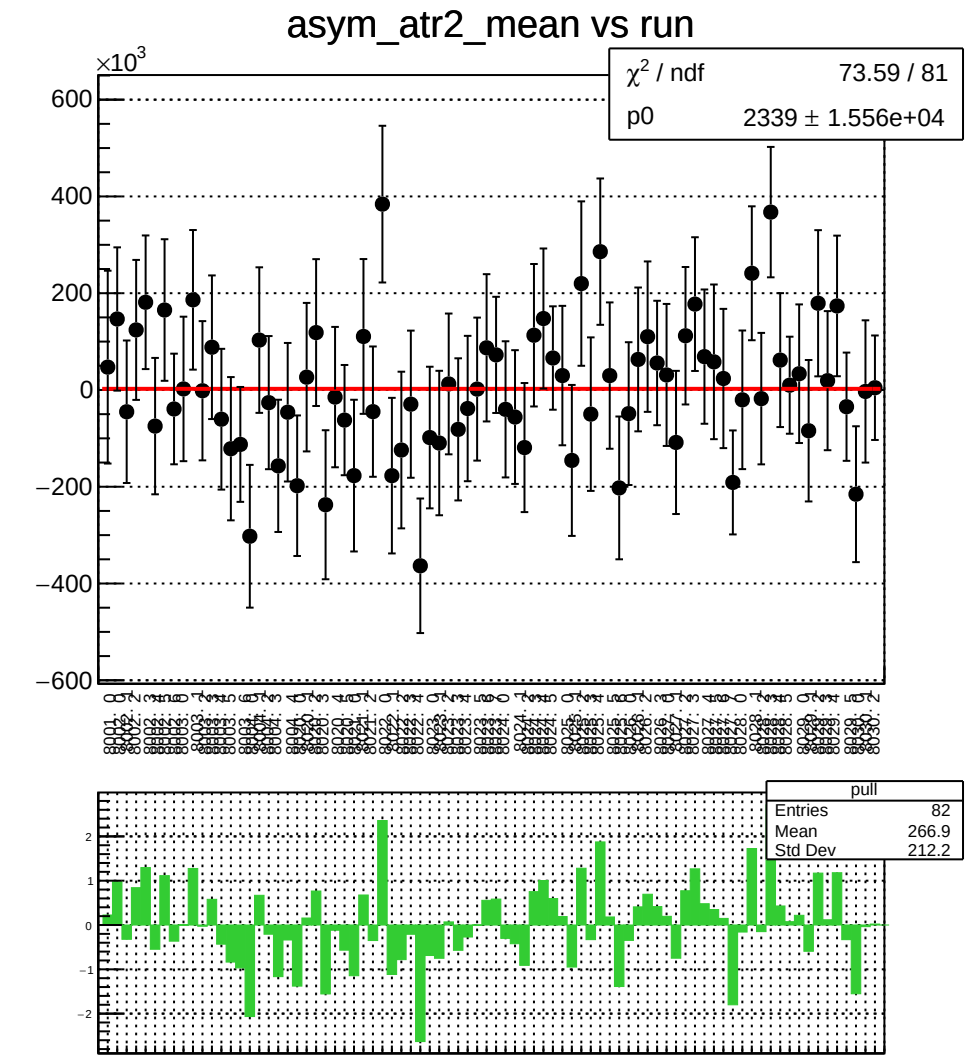

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 93.98 / 81
p0 3561 ± 3564
100
50
0
−50
−100
pull
Entries 82
Mean 567.7
Std Dev 532.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

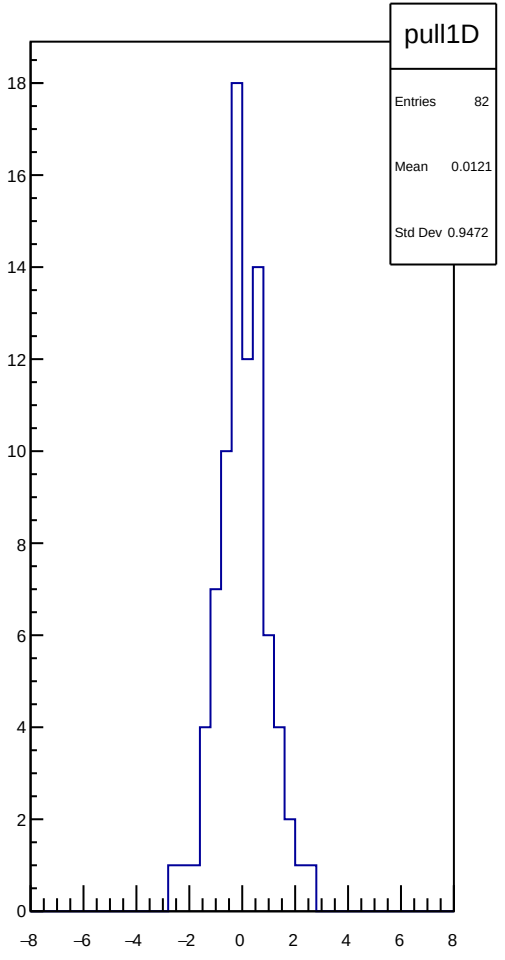

pull1D
Entries 82
Mean −0.008285
Std Dev 1.071
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

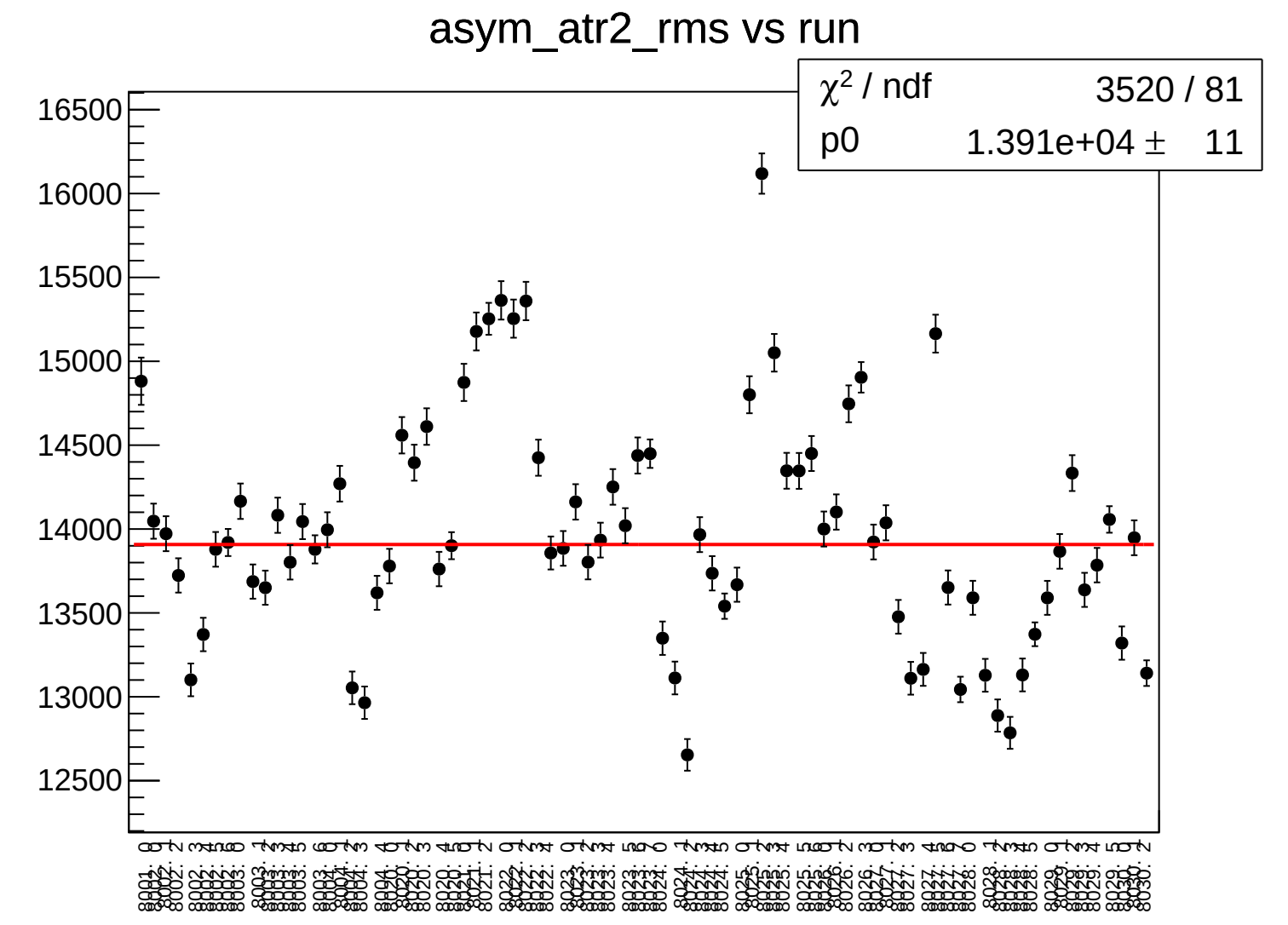

dit_asym_atr2_rms vs run
χ² / ndf 4859 / 81
p0 3184 ± 2.52
3600
3500
3400
3300
3200
3100
3000
2900
2800

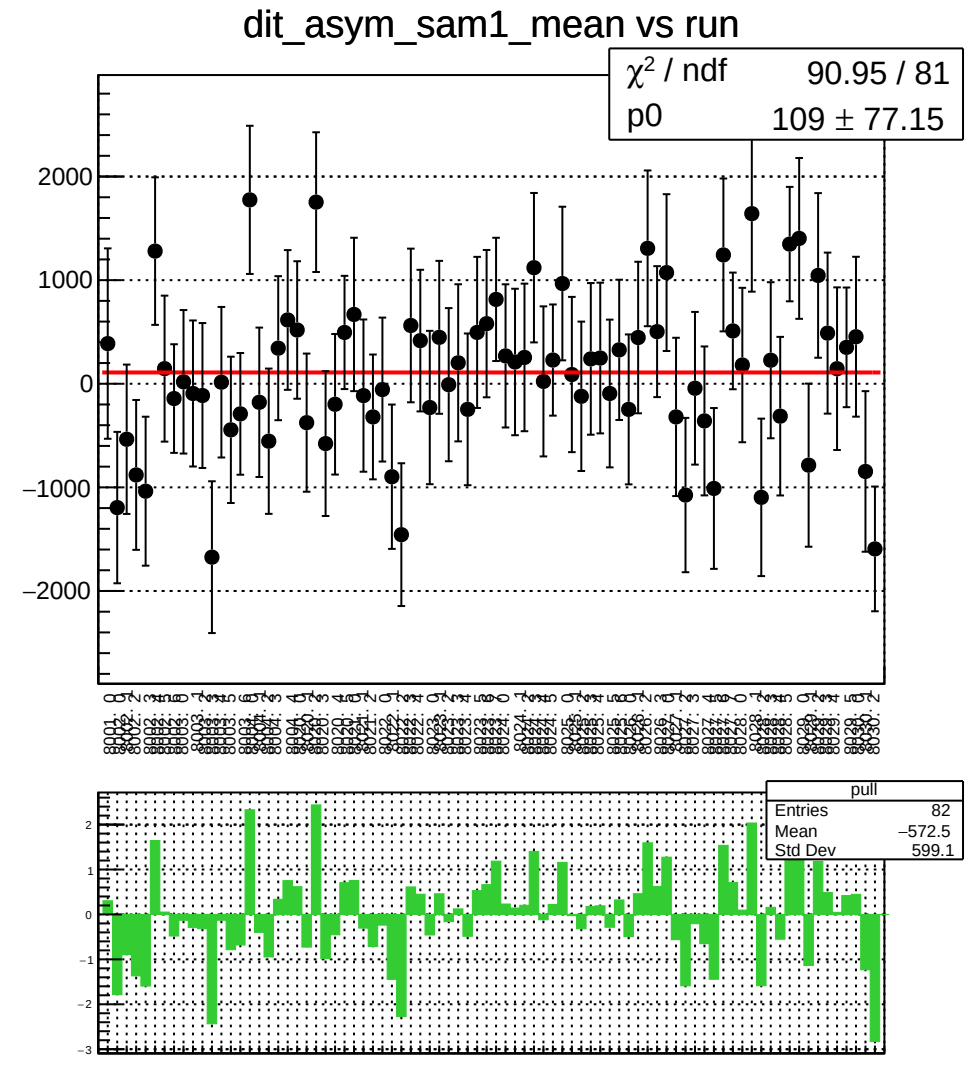

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 73.48 / 81
p0 1565 ± 1.664e+04
pull
Entries 82
Mean 288.8
Std Dev 239.3
pull1D
Entries 82
Mean −0.01409
Std Dev 0.9465

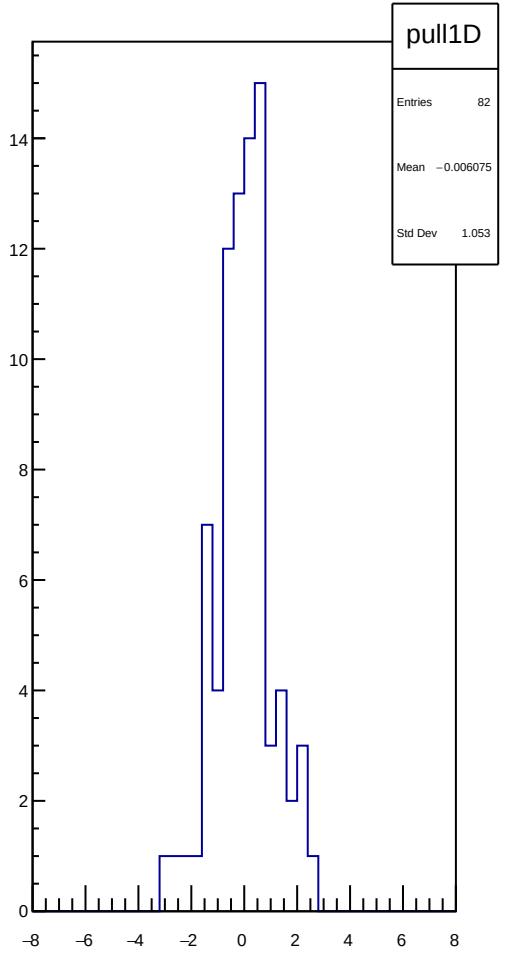

asym_atr2_correction_rms vs run
χ² / ndf 5715 / 81
p0 1.486e+04 ± 11.76
18000
17000
16000
15000
14000
13000

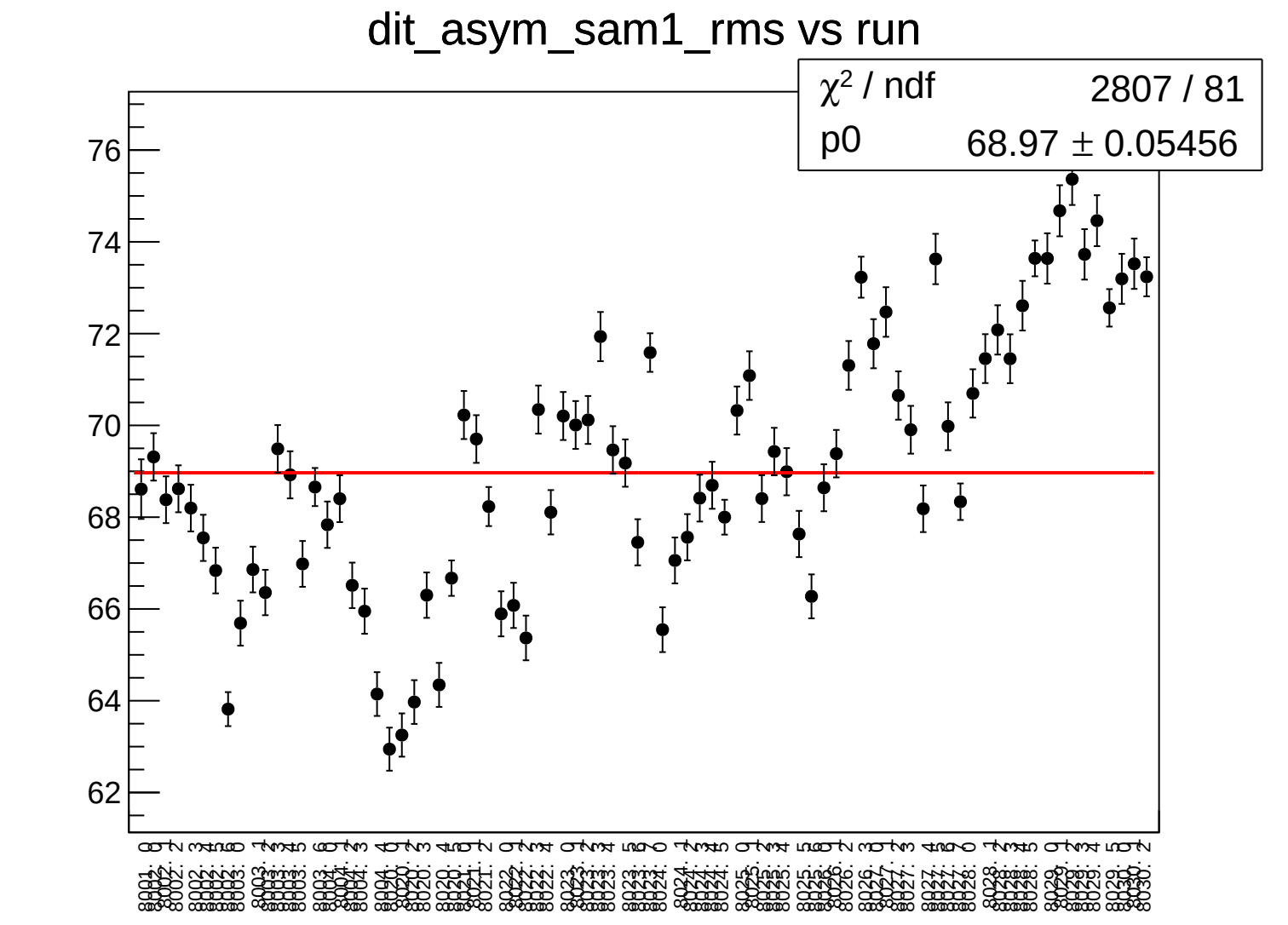

asym_atr2_mean vs run
×10^3
χ² / ndf 73.59 / 81
p0 2339 ± 1.556e+04
pull
Entries 82
Mean 266.9
Std Dev 212.2

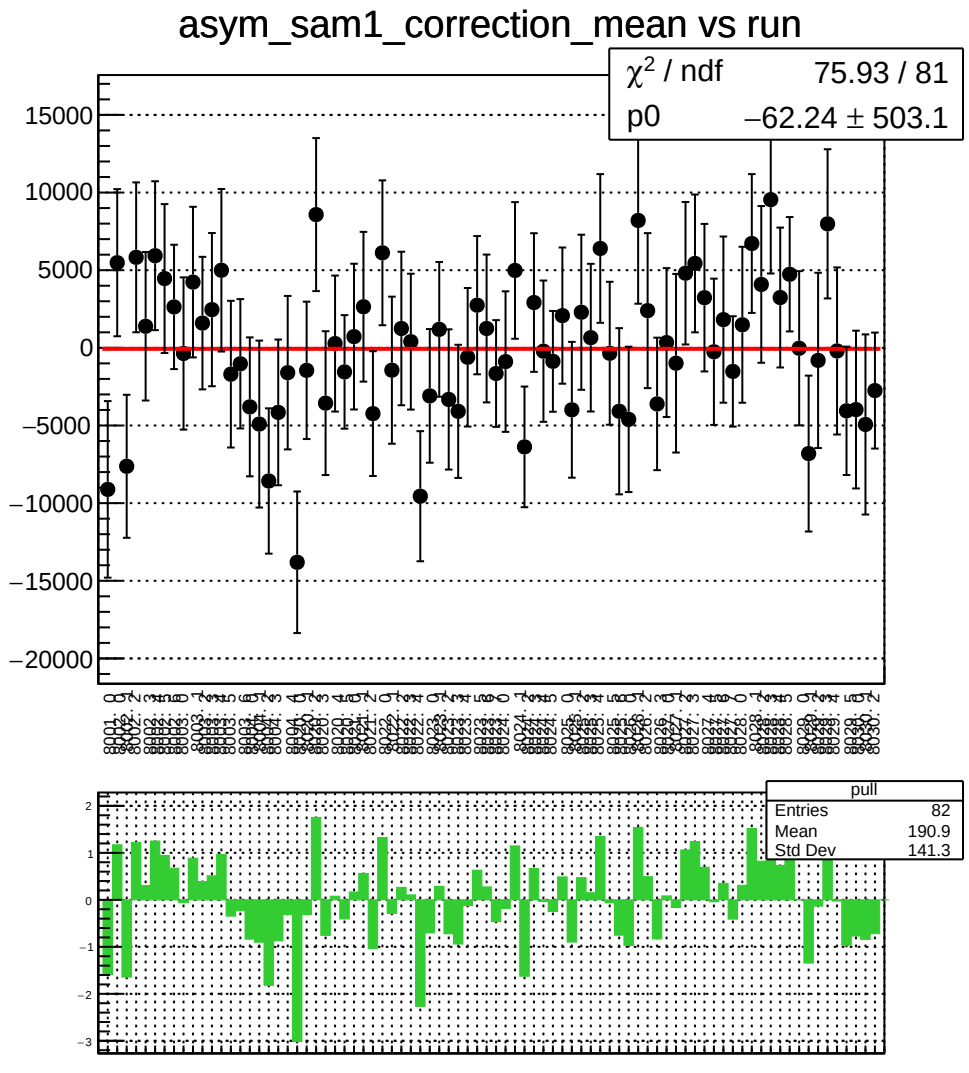

pull1D
Entries 82
Mean 0.0121
Std Dev 0.9472

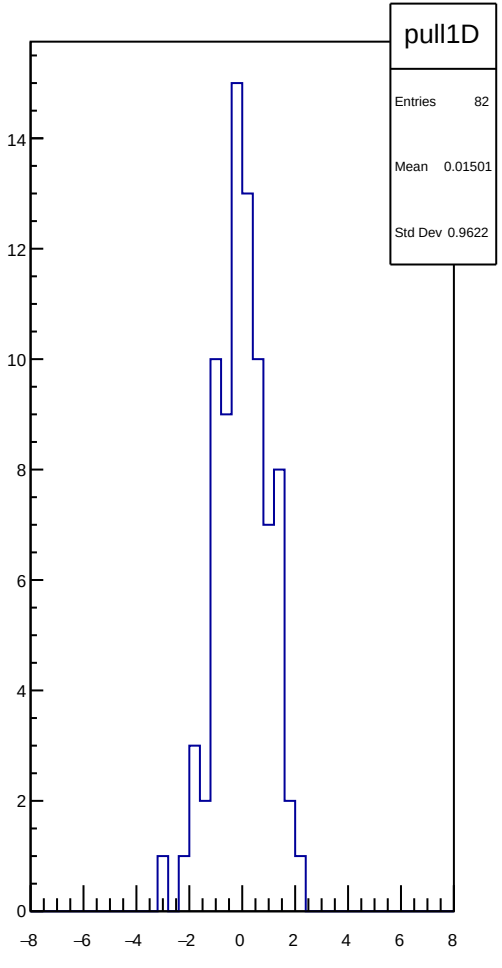

asym_atr2_rms vs run
χ² / ndf 3520 / 81
p0 1.391e+04 ± 11
16500
16000
15500
15000
14500
14000
13500
13000
12500

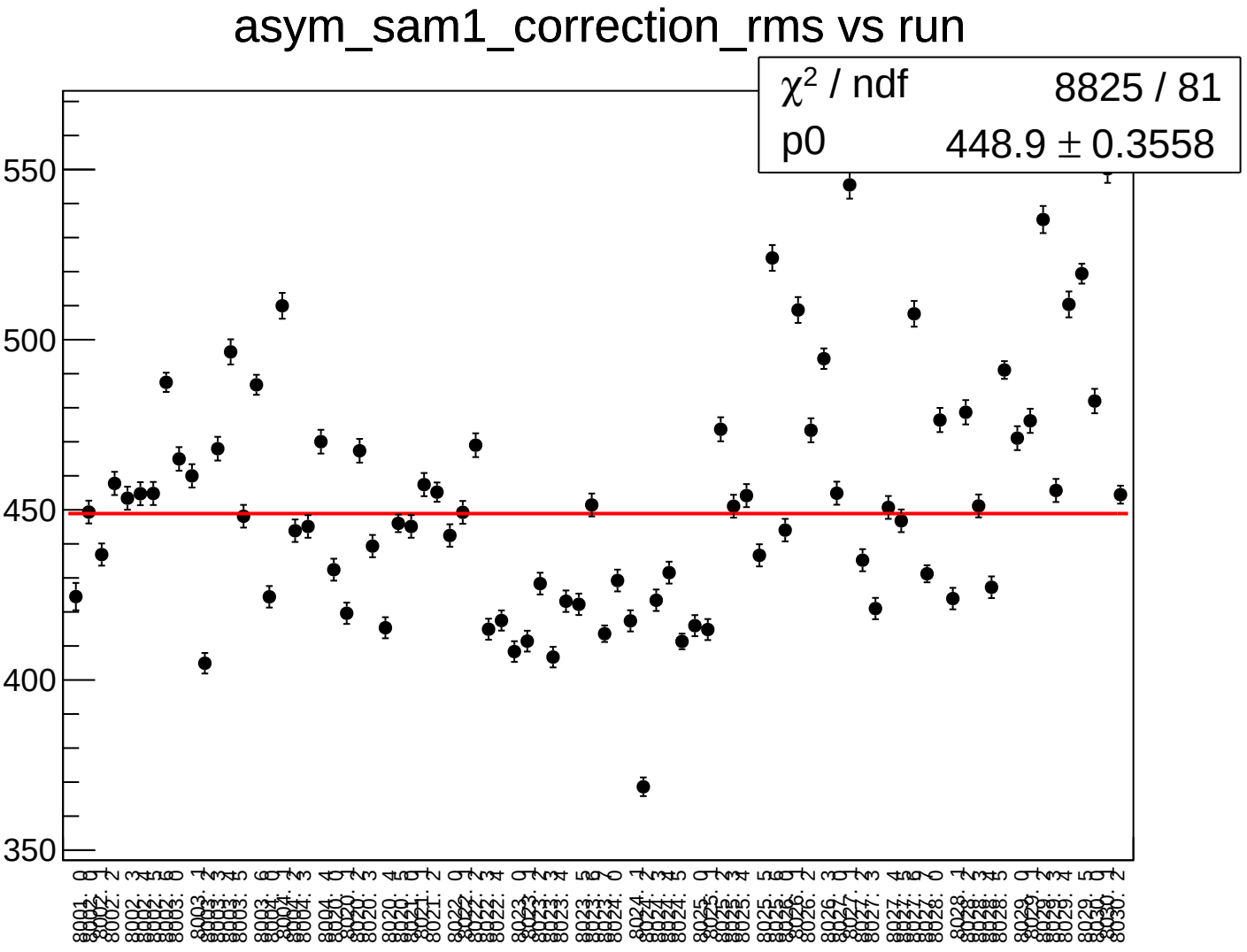

dit_asym_sam1_mean vs run
χ² / ndf 90.95 / 81
p0 109 ± 77.15
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −572.5
Std Dev 599.1
2
1
0
−1
−2
−3

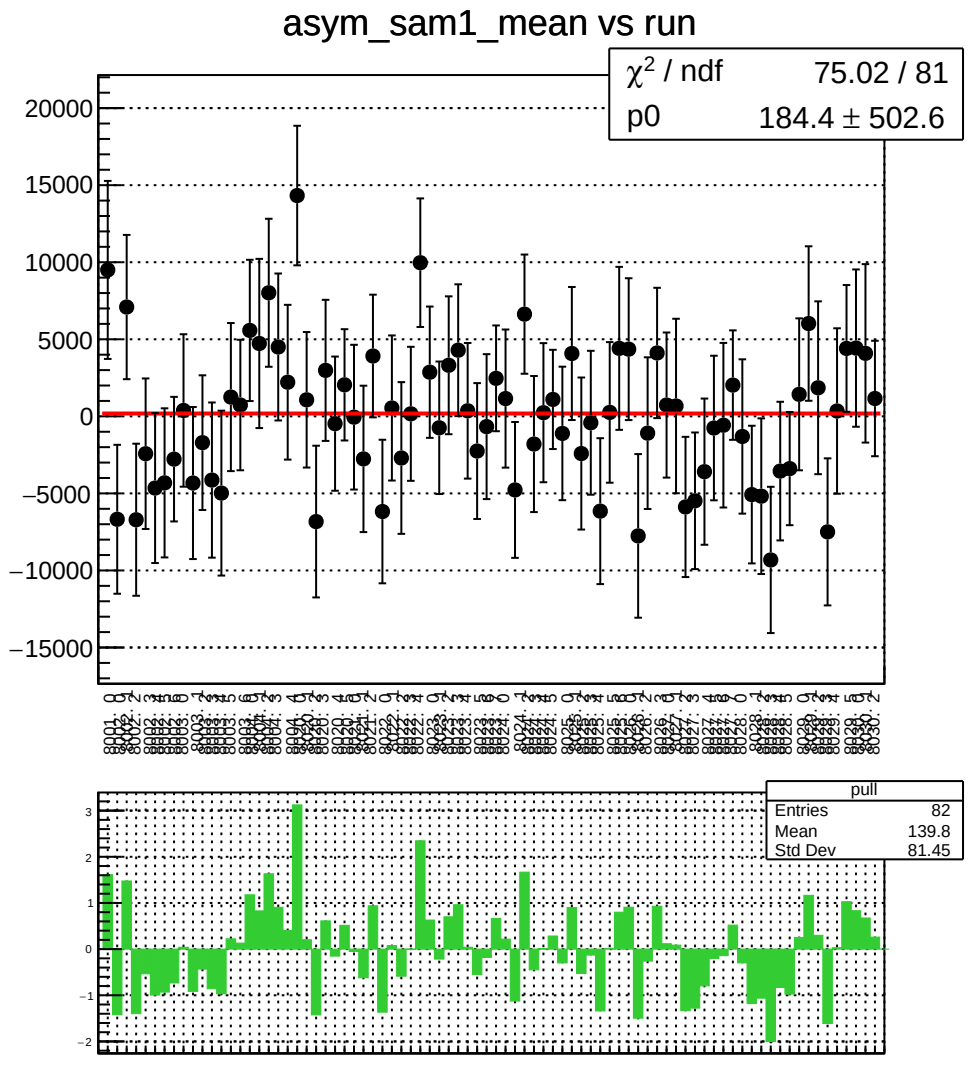

pull1D
Entries 82
Mean −0.006075
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

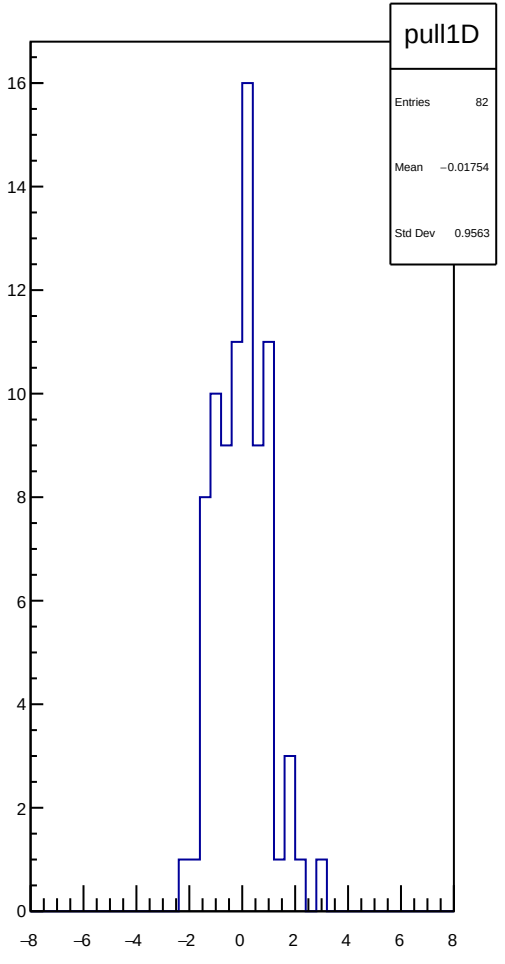

dit_asym_sam1_rms vs run
χ² / ndf 2807 / 81
p0 68.97 ± 0.05456
76
74
72
70
68
66
64
62

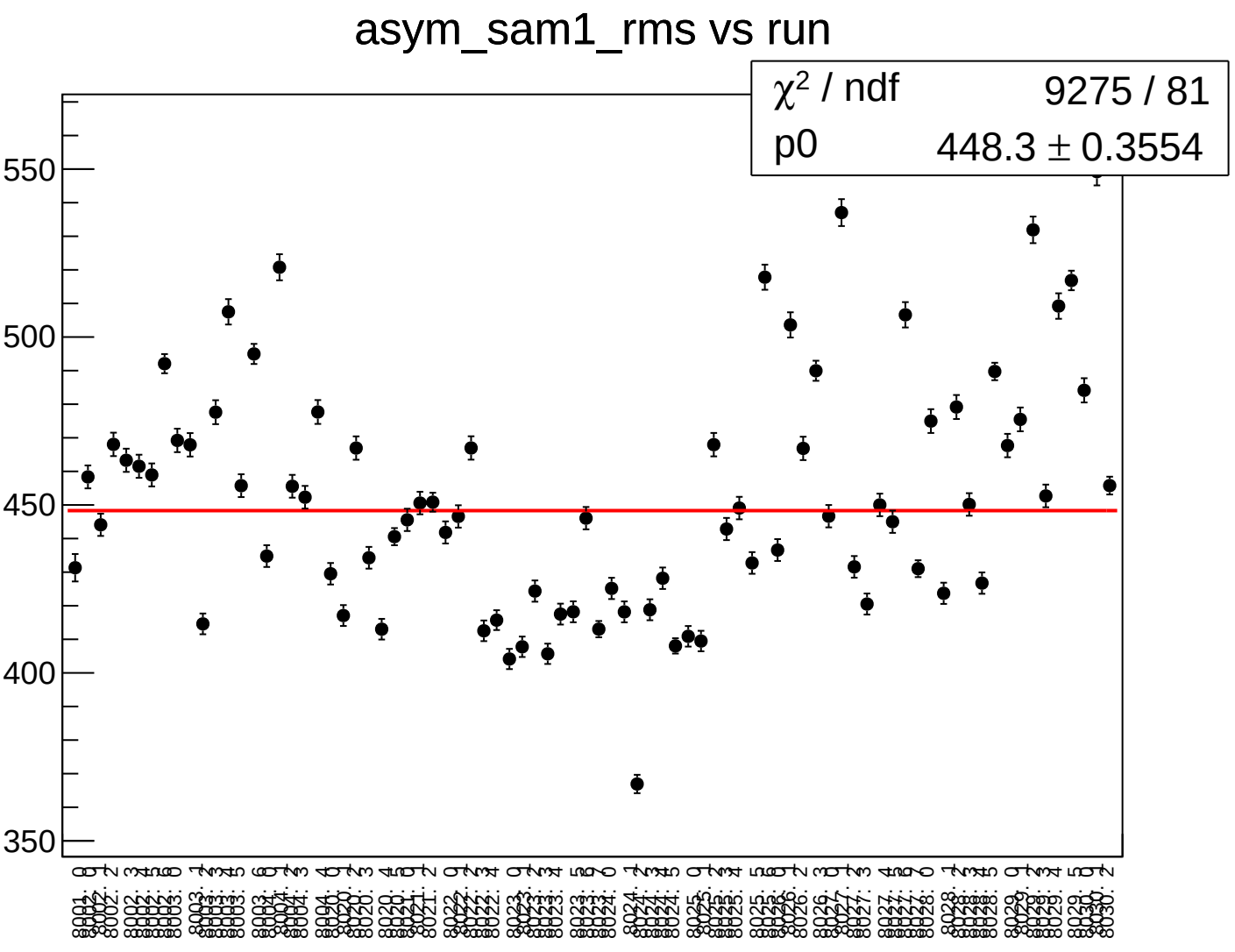

asym_sam1_correction_mean vs run
χ² / ndf 75.93 / 81
p0 −62.24 ± 503.1
pull
Entries 82
Mean 190.9
Std Dev 141.3

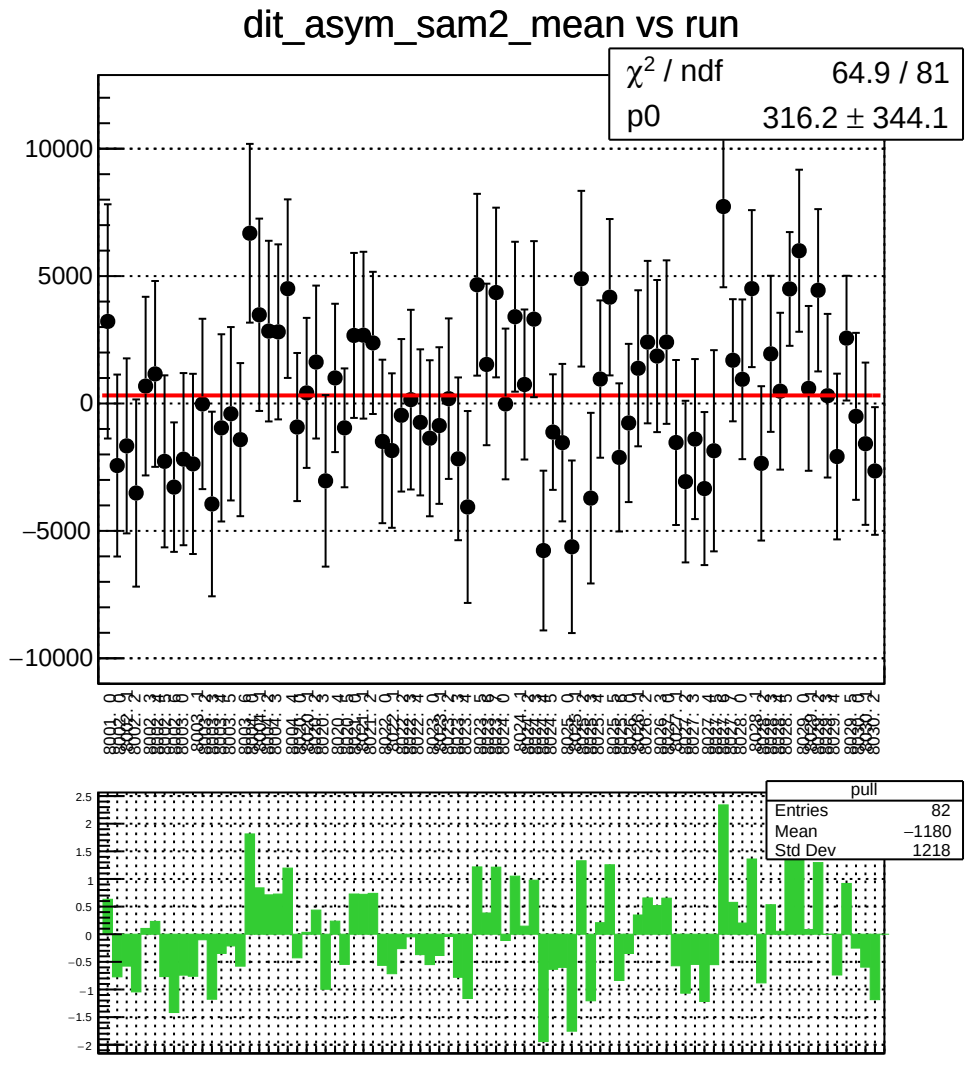

pull1D
Entries 82
Mean 0.01501
Std Dev 0.9622

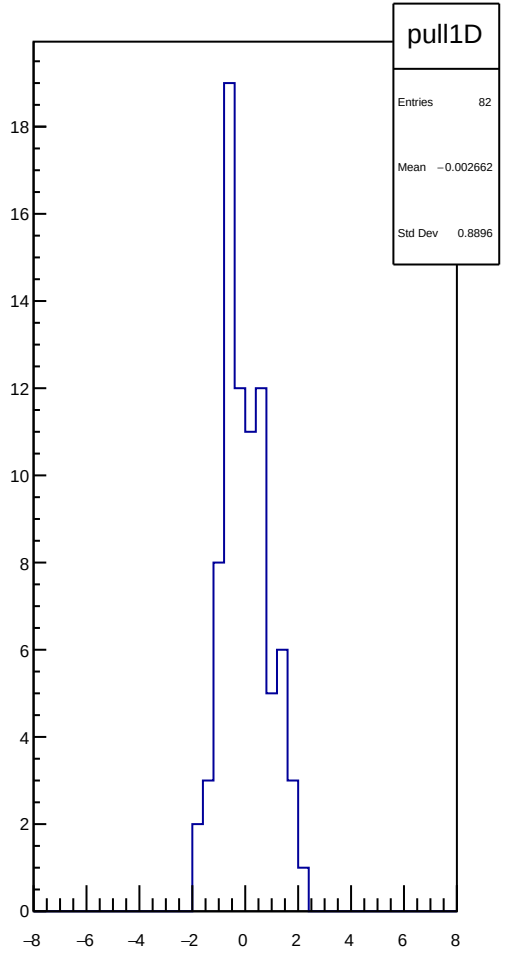

asym_sam1_correction_rms vs run
χ² / ndf 8825 / 81
p0 448.9 ± 0.3558
550
500
450
400
350

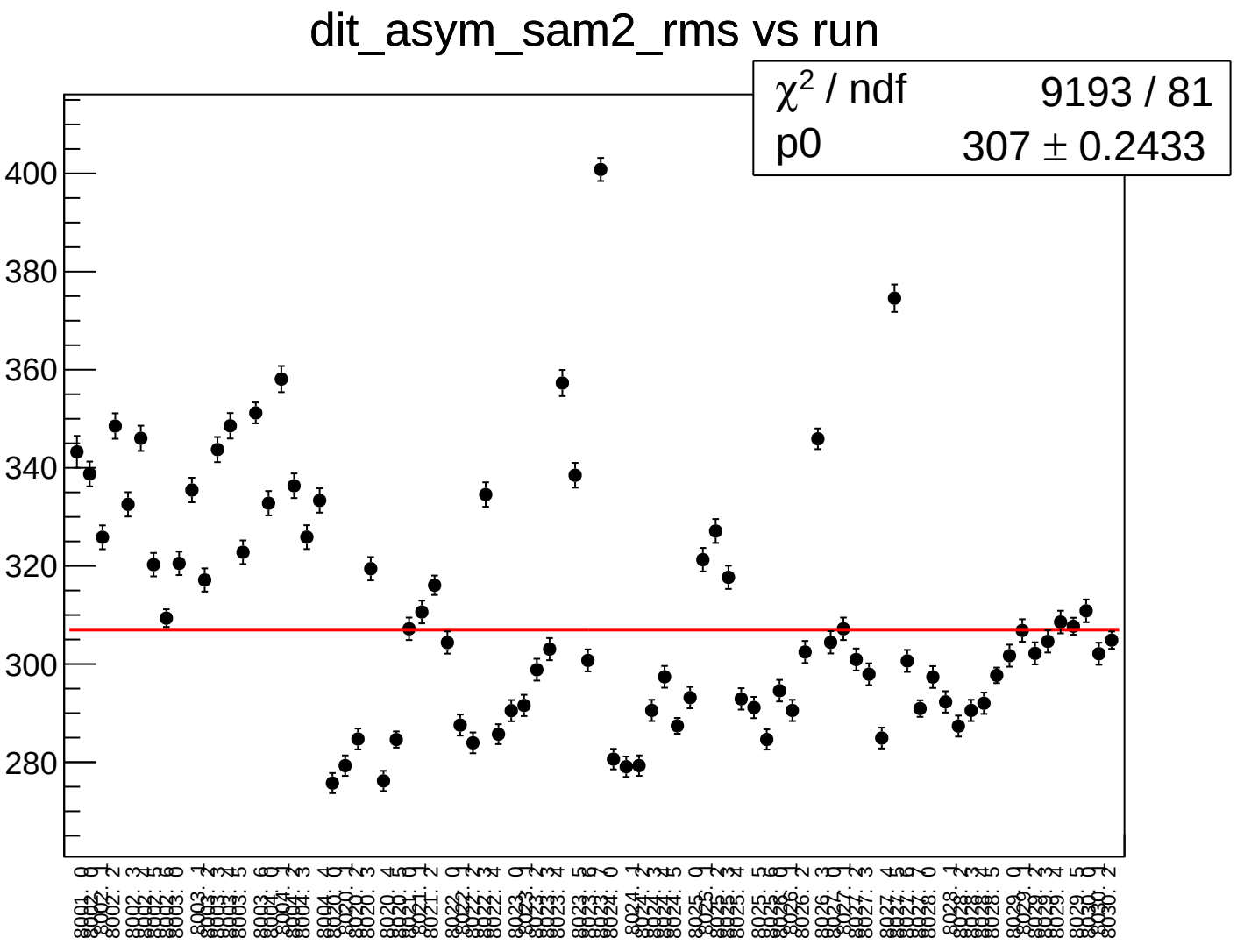

asym_sam1_mean vs run
χ² / ndf 75.02 / 81
p0 184.4 ± 502.6
pull
Entries 82
Mean 139.8
Std Dev 81.45

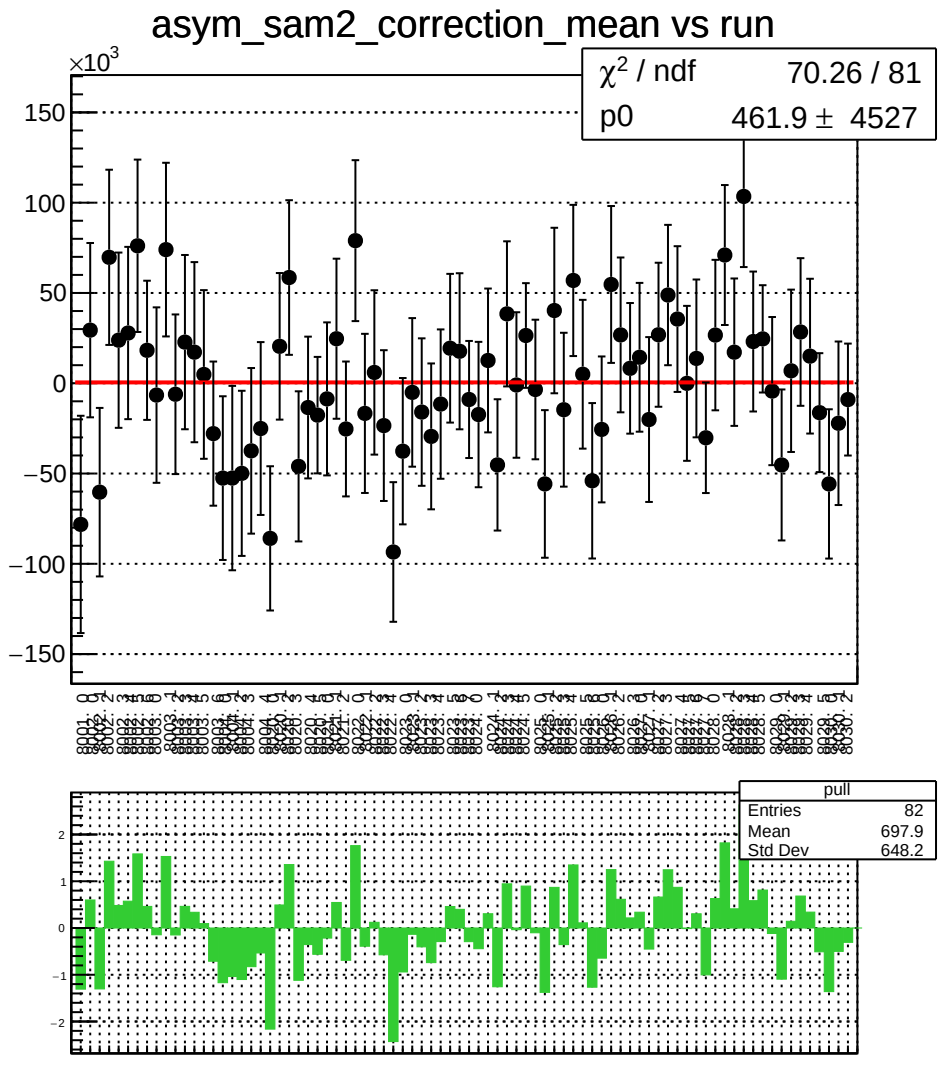

pull1D
Entries 82
Mean −0.01754
Std Dev 0.9563

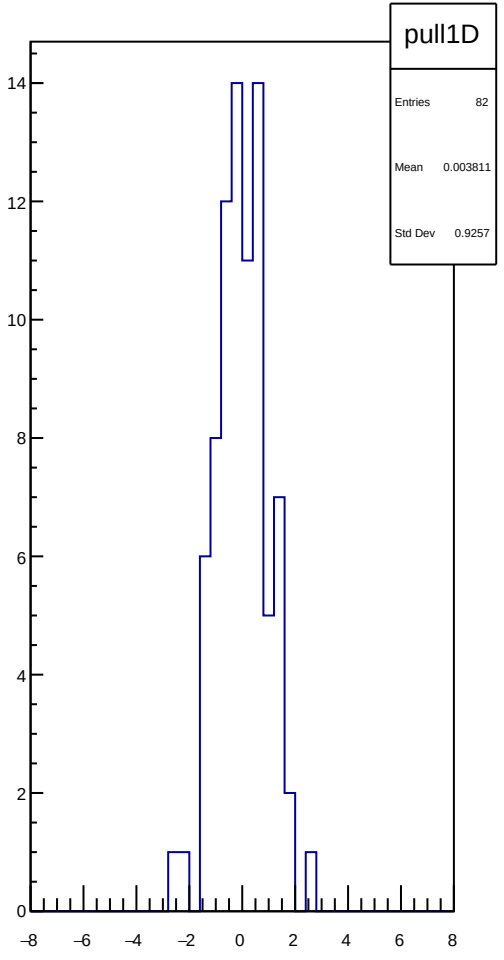

asym_sam1_rms vs run
χ² / ndf 9275 / 81
p0 448.3 ± 0.3554
550
500
450
400
350

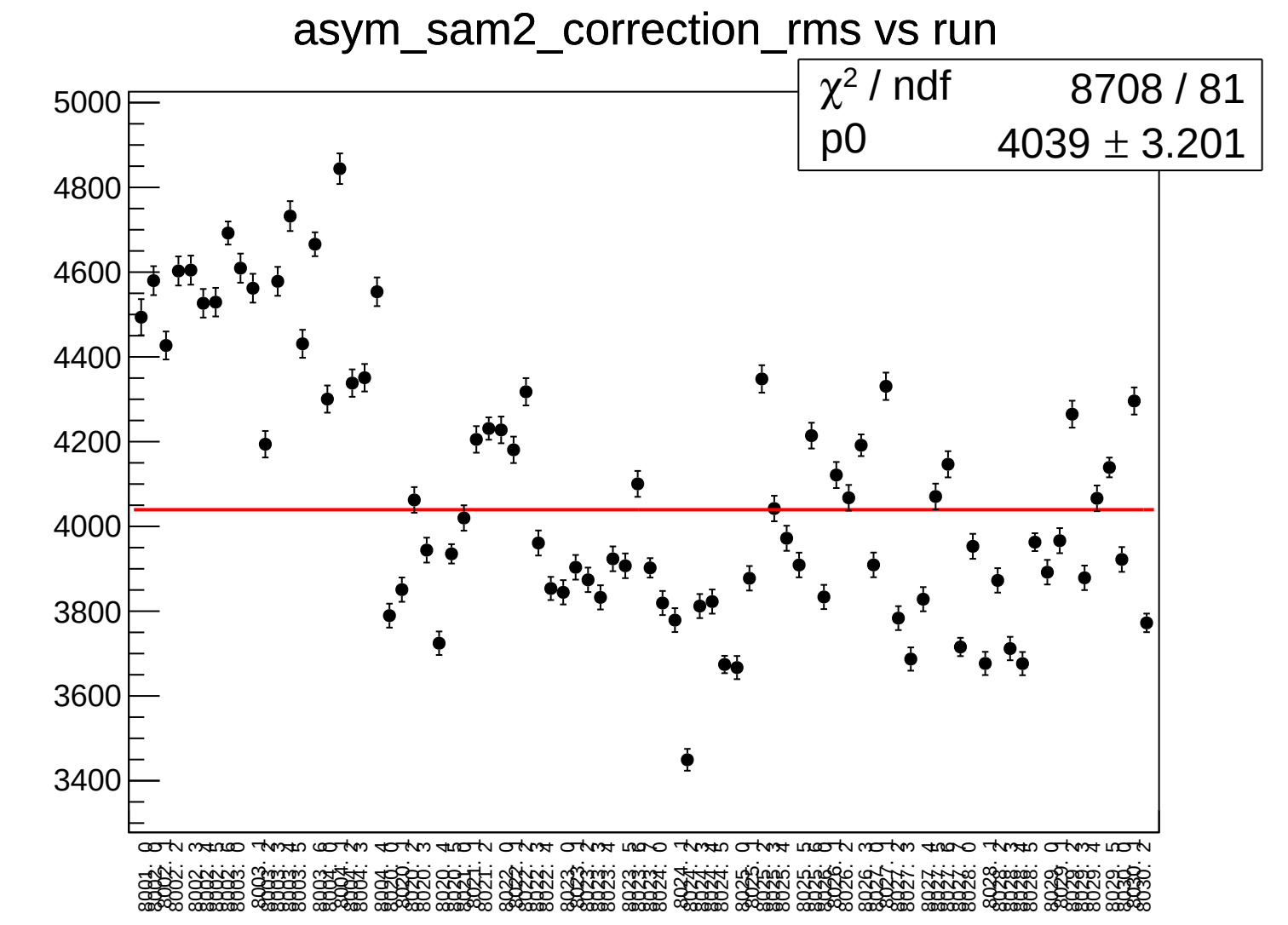

dit_asym_sam2_mean vs run
χ² / ndf 64.9 / 81
p0 316.2 ± 344.1
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −1180
Std Dev 1218
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

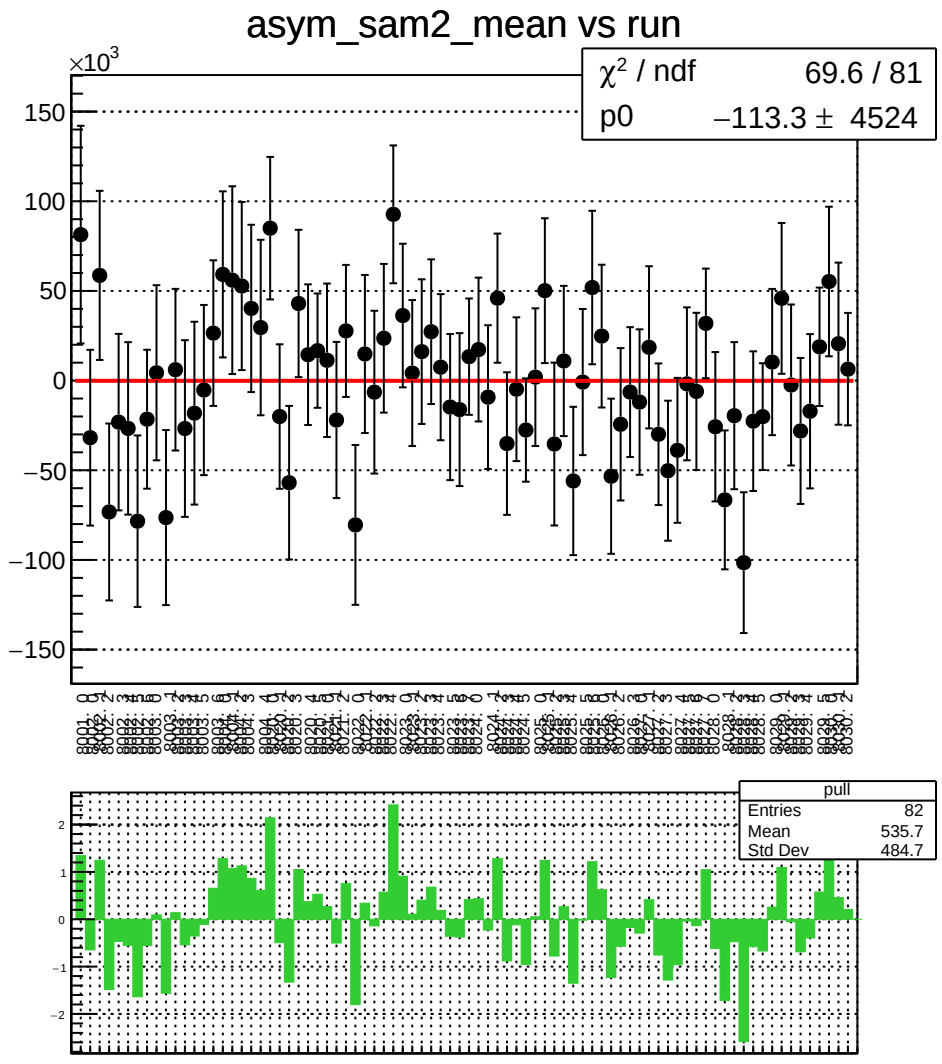

pull1D
Entries 82
Mean −0.002662
Std Dev 0.8896
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

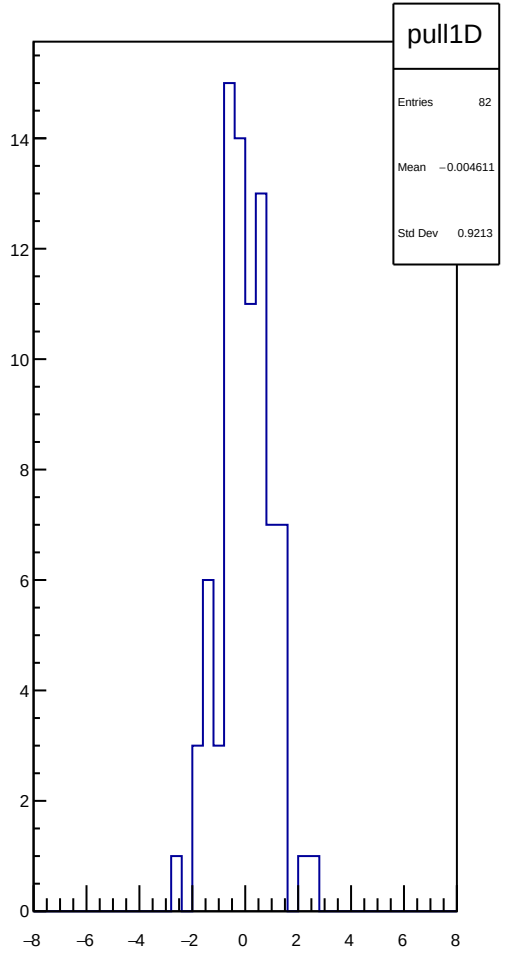

dit_asym_sam2_rms vs run
χ^2 / ndf 9193 / 81
p0 307 ± 0.2433
400
380
360
340
320
300
280

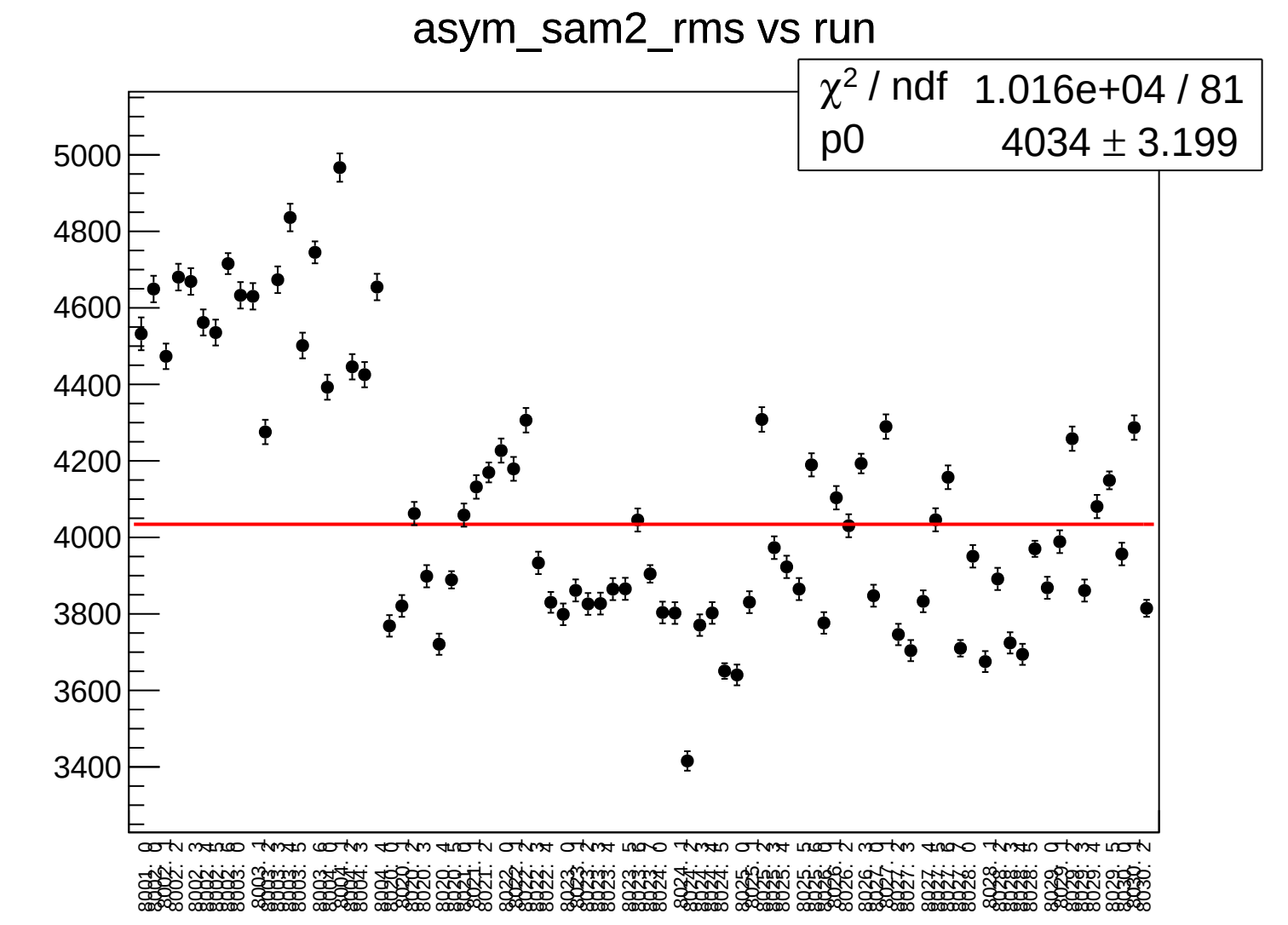

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 70.26 / 81
p0 461.9 ± 4527
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 697.9
Std Dev 648.2
2
1
0
−1
−2

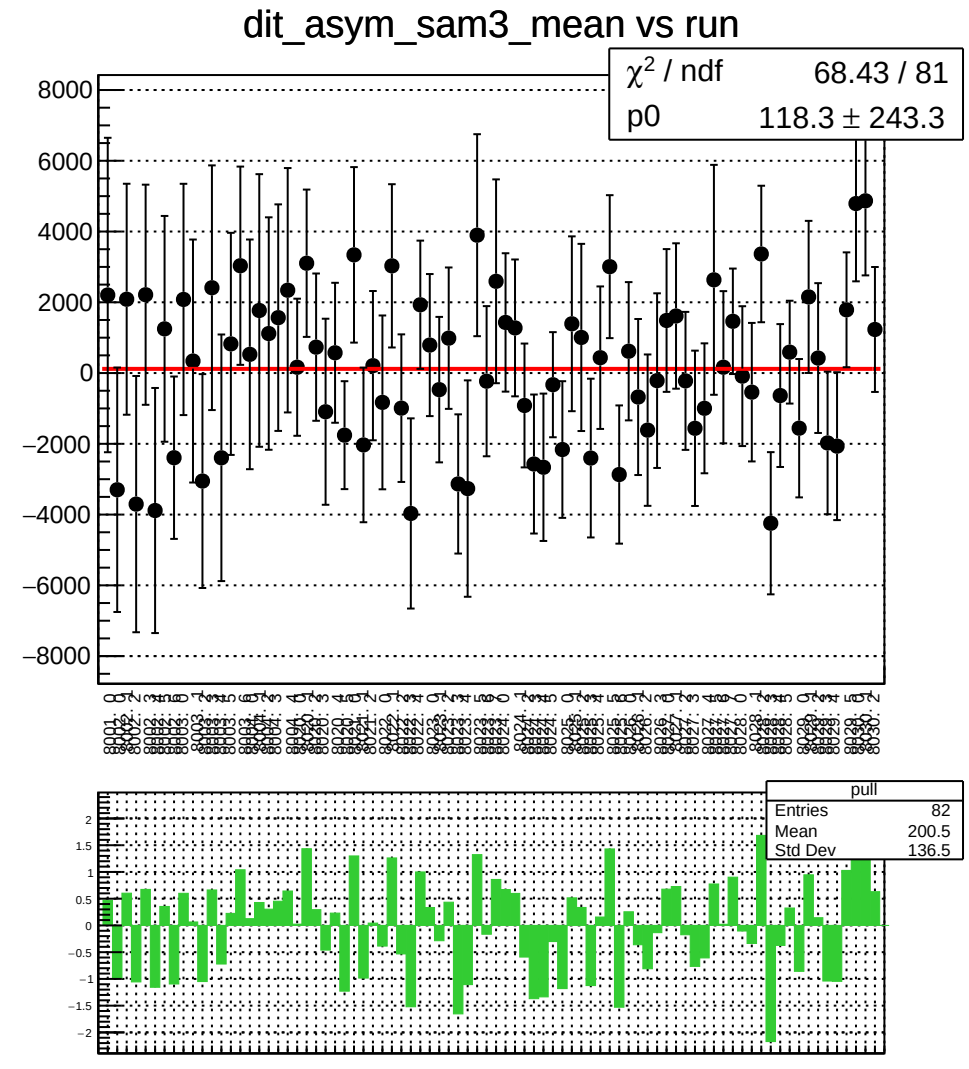

pull1D
Entries 82
Mean 0.003811
Std Dev 0.9257
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

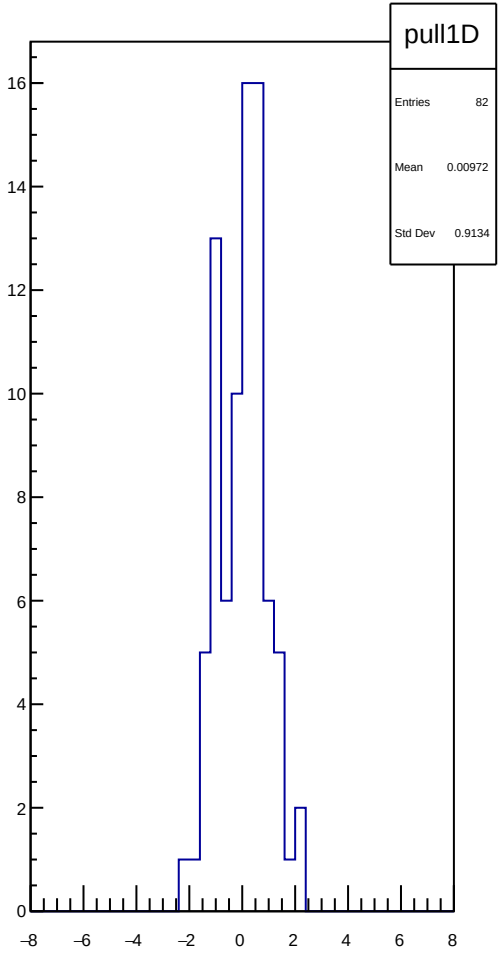

asym_sam2_correction_rms vs run
χ² / ndf 8708 / 81
p0 4039 ± 3.201
5000
4800
4600
4400
4200
4000
3800
3600
3400

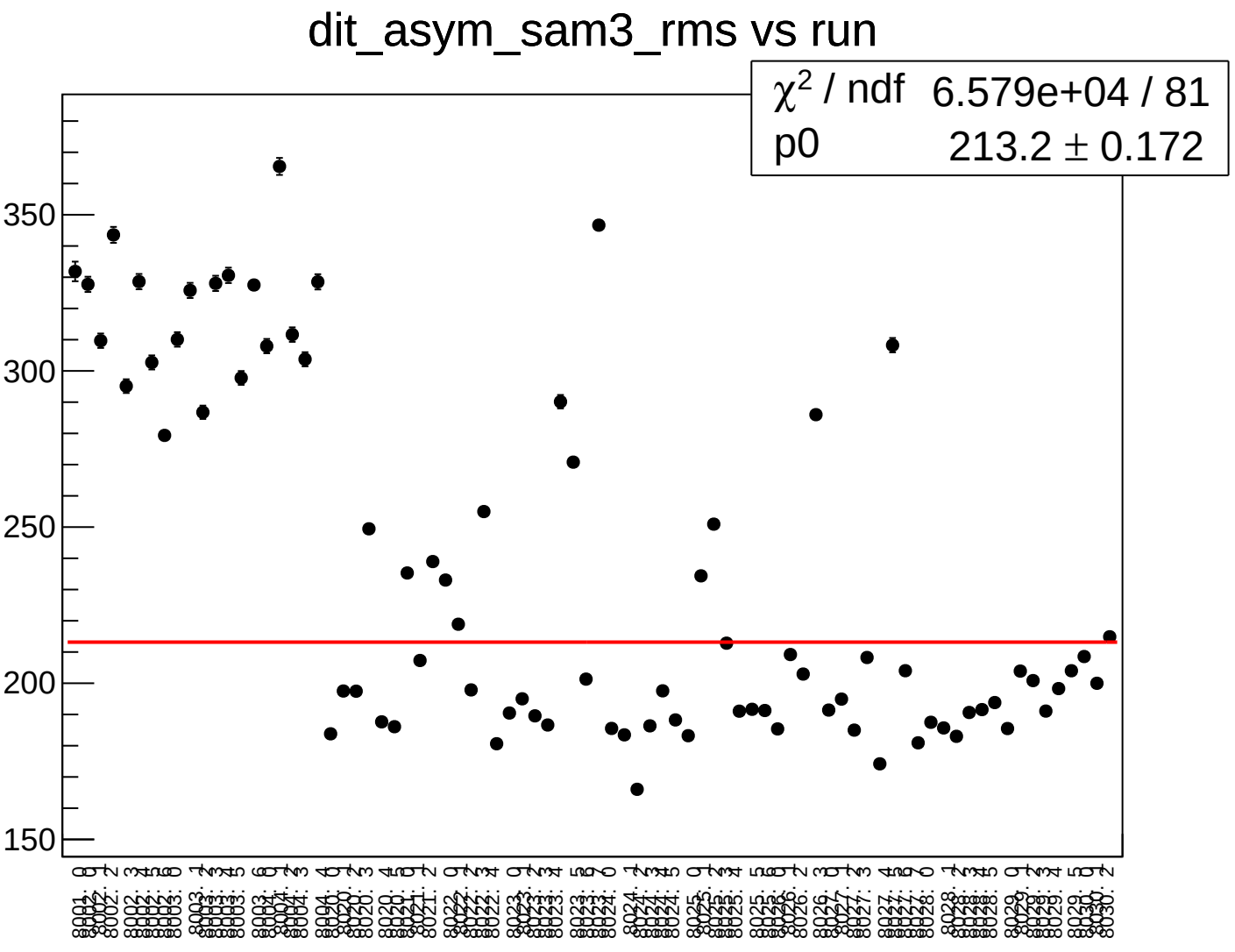

asym_sam2_mean vs run
×10^3
χ² / ndf 69.6 / 81
p0 −113.3 ± 4524
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 535.7
Std Dev 484.7
2
1
0
−1
−2

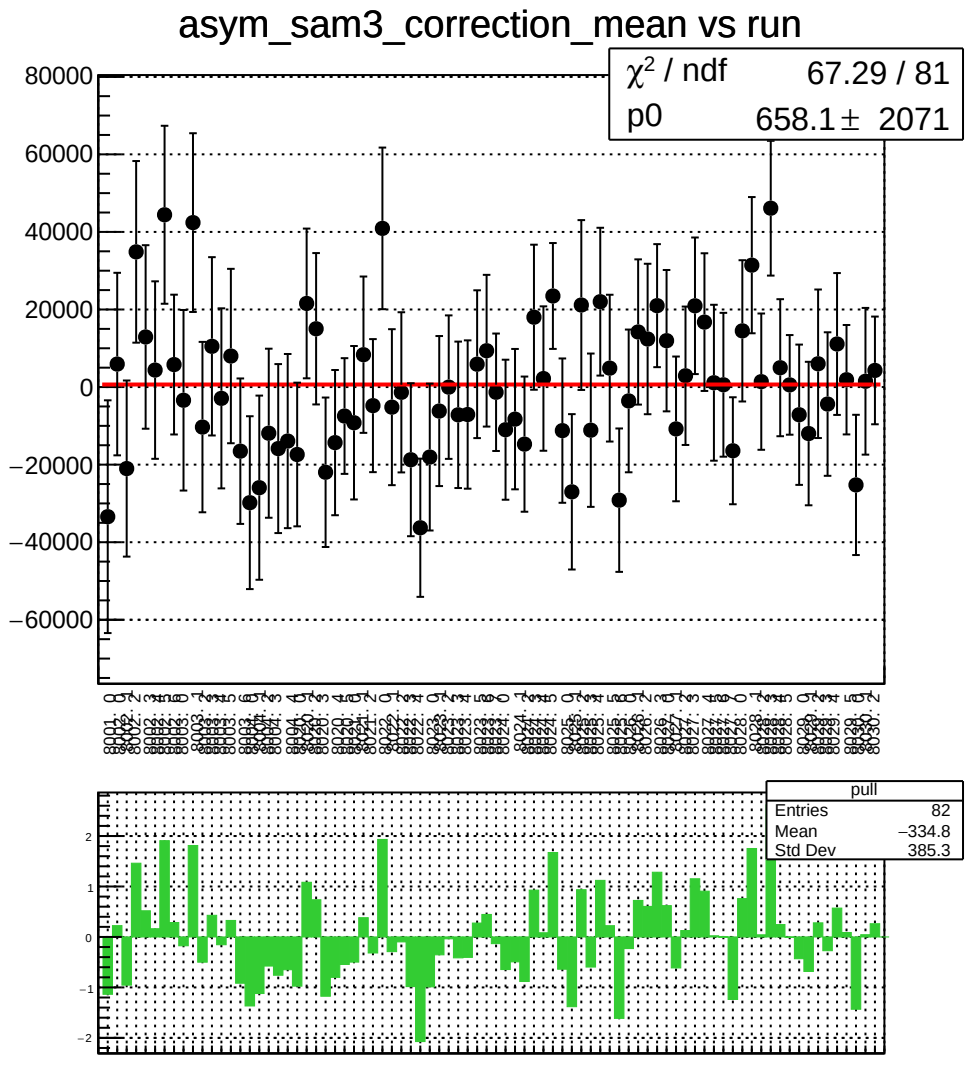

pull1D
Entries 82
Mean −0.004611
Std Dev 0.9213
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

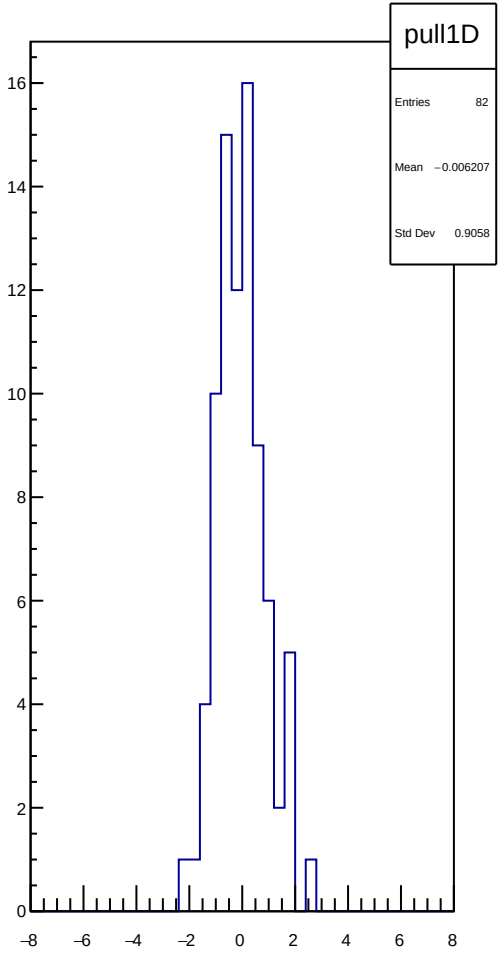

asym_sam2_rms vs run
χ^2 / ndf 1.016e+04 / 81
p0 4034 ± 3.199
5000
4800
4600
4400
4200
4000
3800
3600
3400

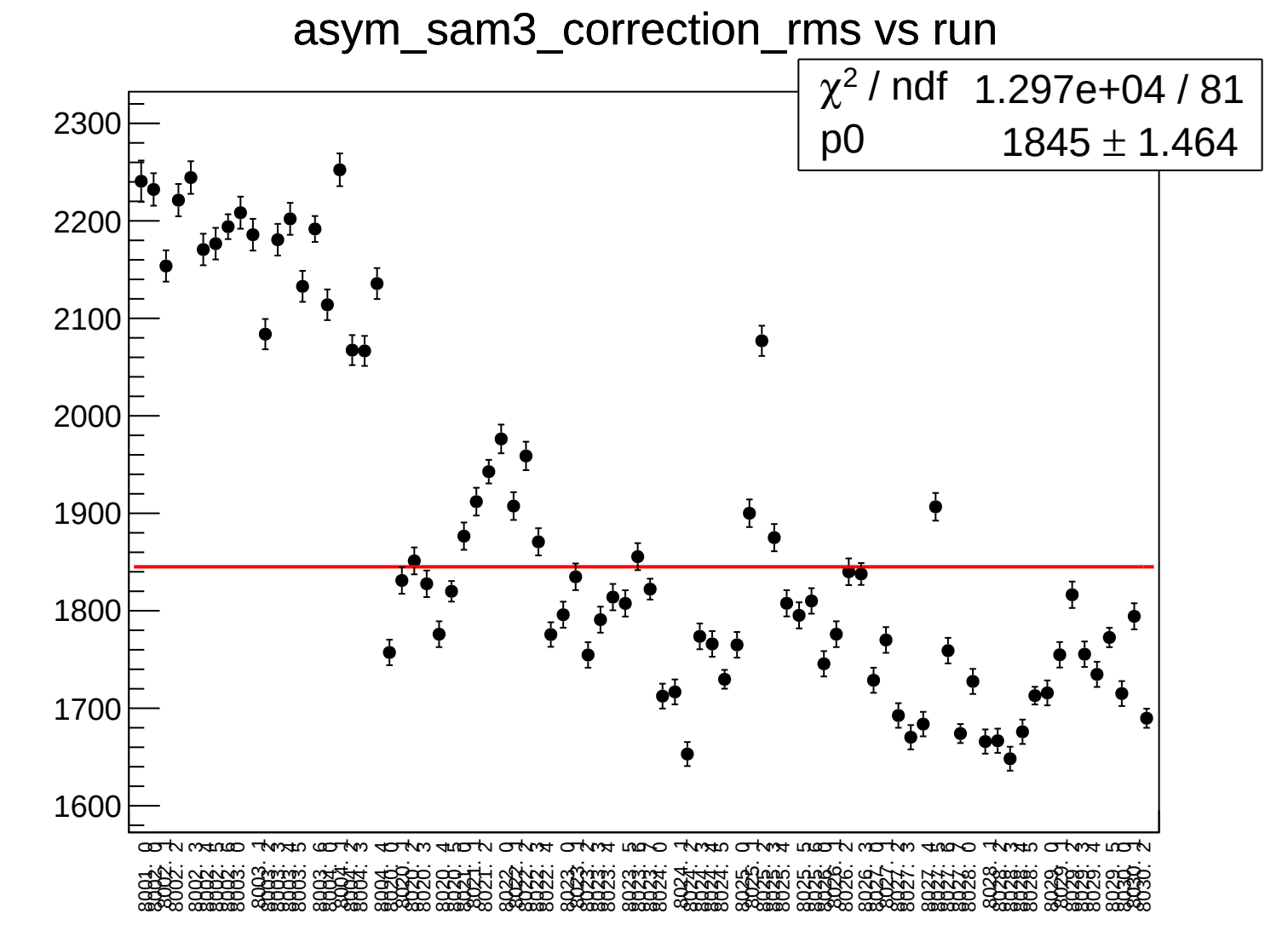

dit_asym_sam3_mean vs run
χ^2 / ndf 68.43 / 81
p0 118.3 ± 243.3
pull
Entries 82
Mean 200.5
Std Dev 136.5

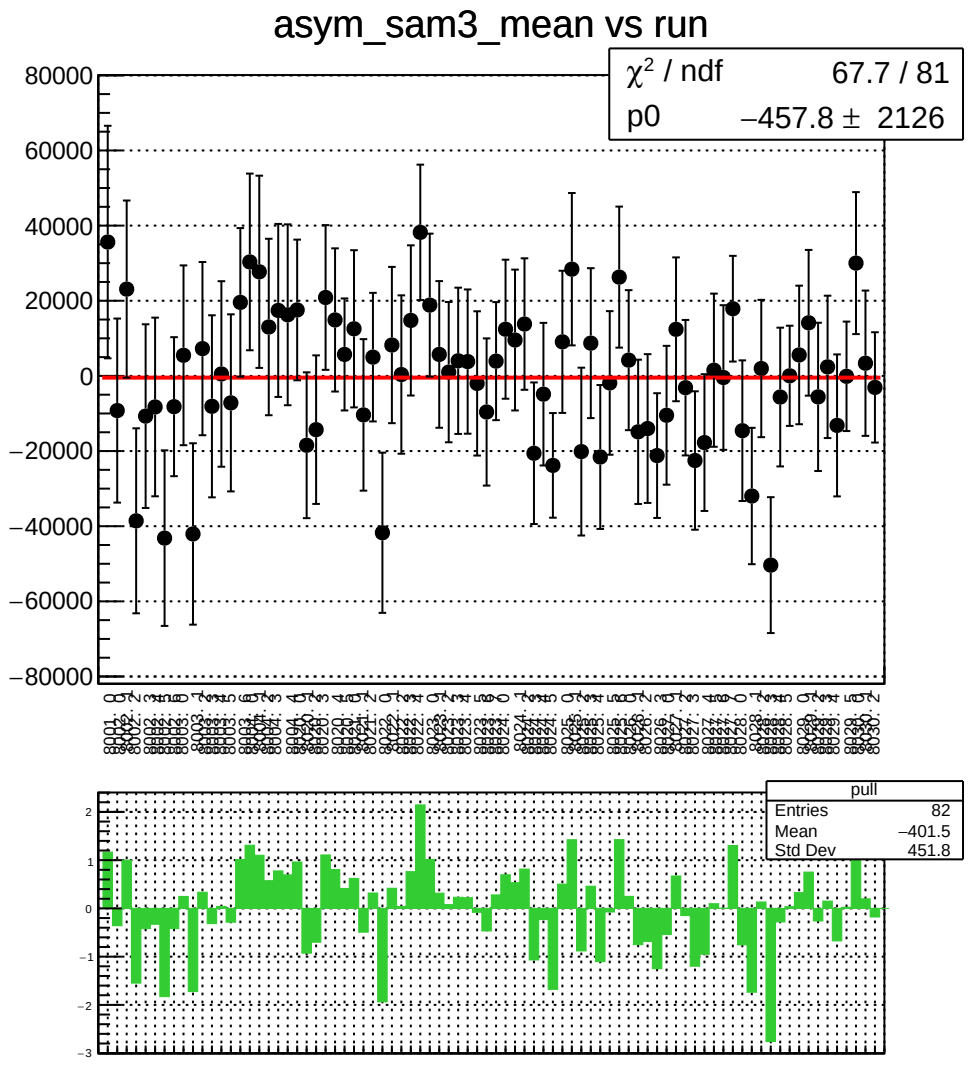

pull1D
Entries 82
Mean 0.00972
Std Dev 0.9134

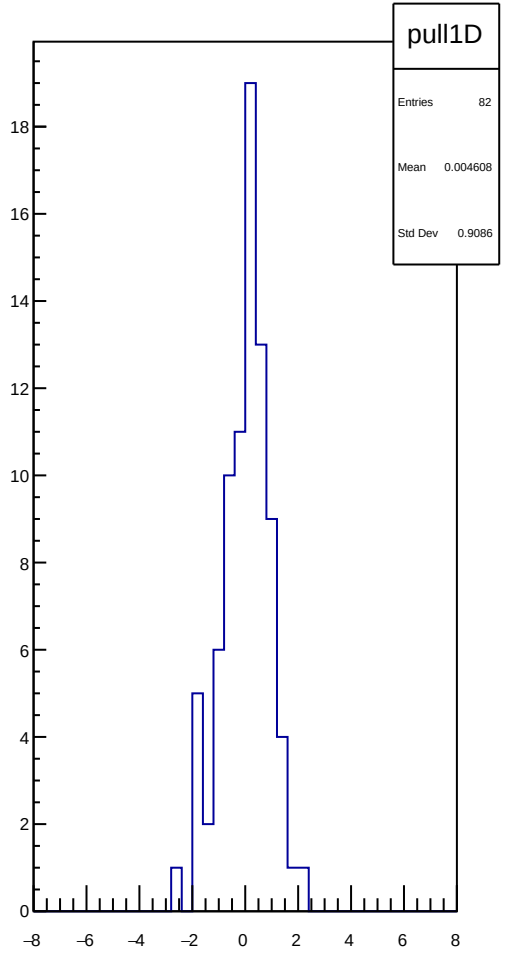

dit_asym_sam3_rms vs run
χ² / ndf 6.579e+04 / 81
p0 213.2 ± 0.172
350
300
250
200
150

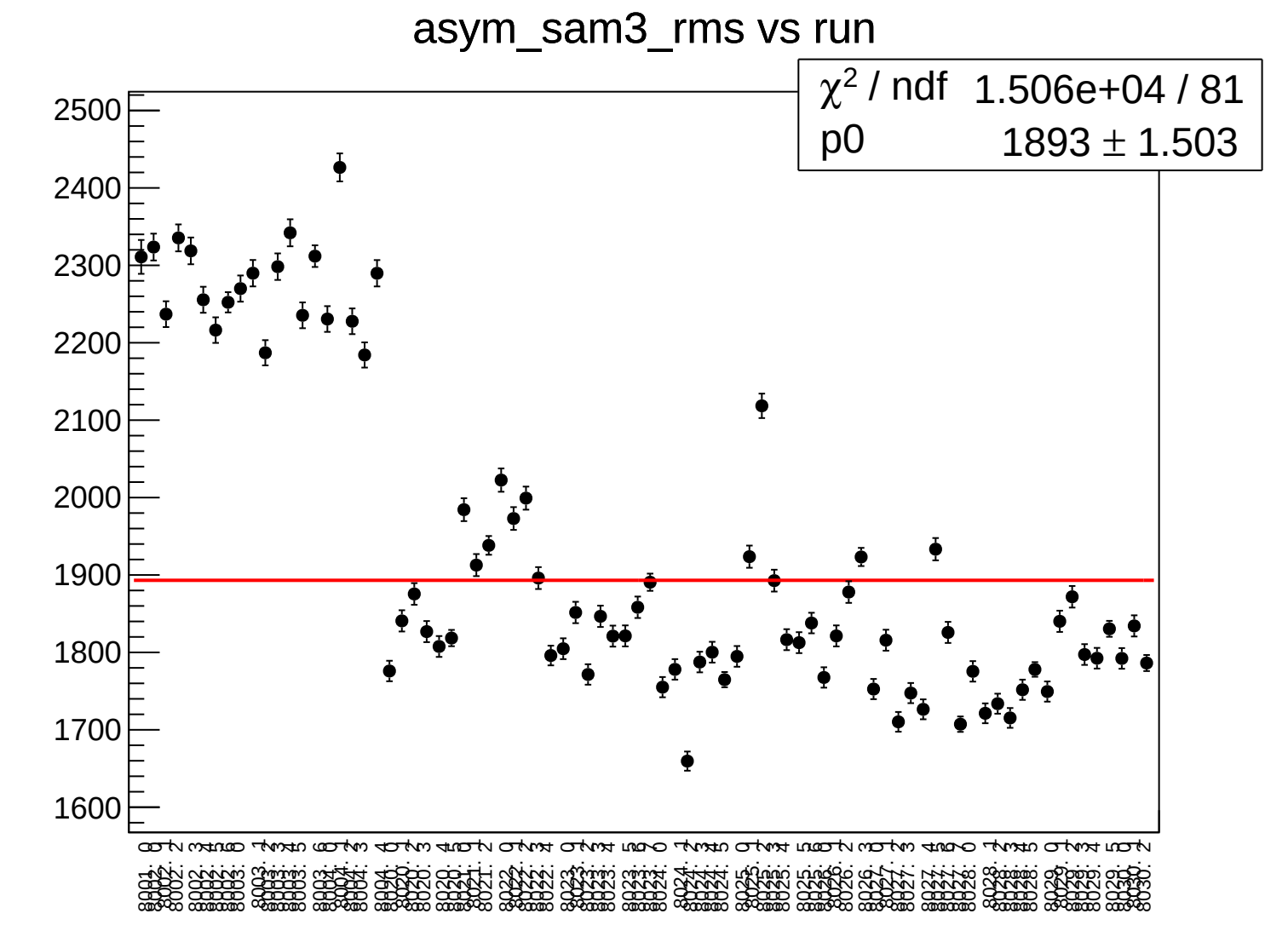

asym_sam3_correction_mean vs run
χ² / ndf 67.29 / 81
p0 658.1 ± 2071
pull
Entries 82
Mean −334.8
Std Dev 385.3

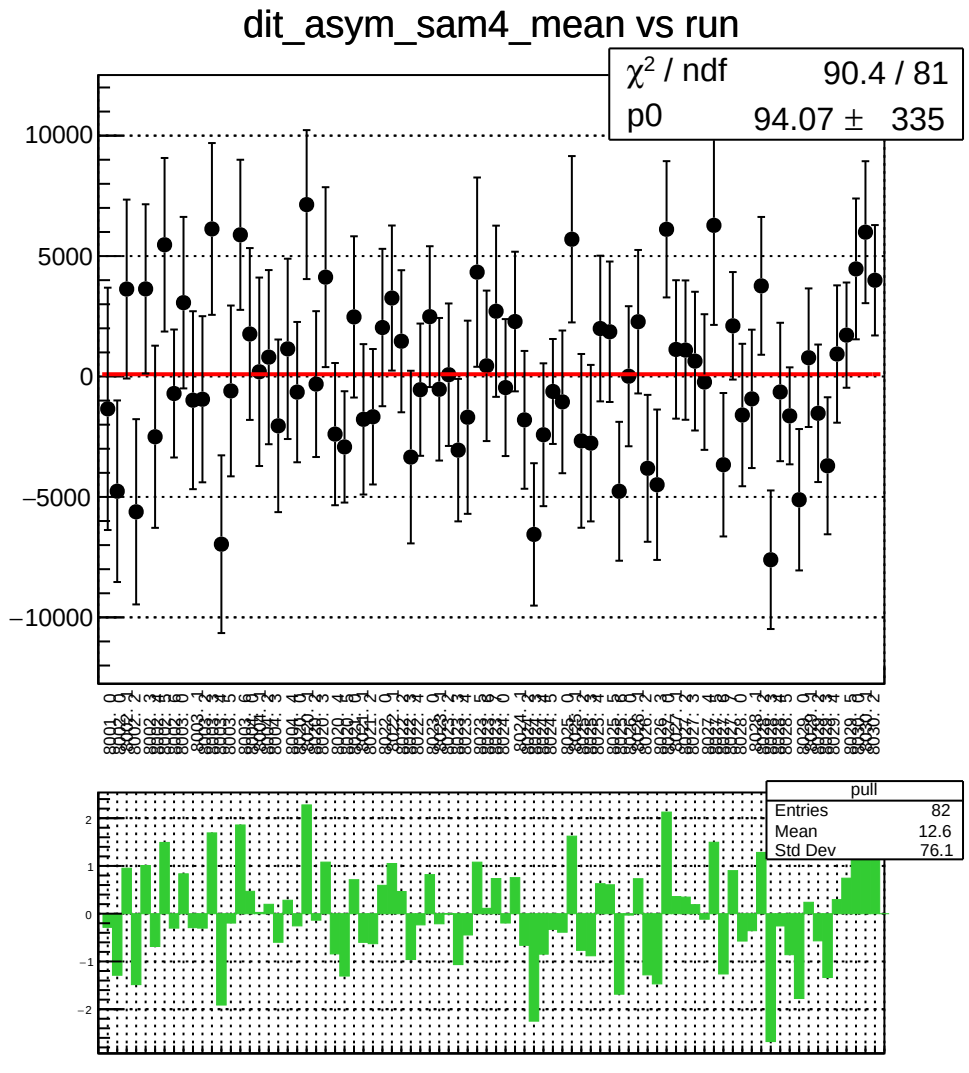

pull1D
Entries 82
Mean −0.006207
Std Dev 0.9058

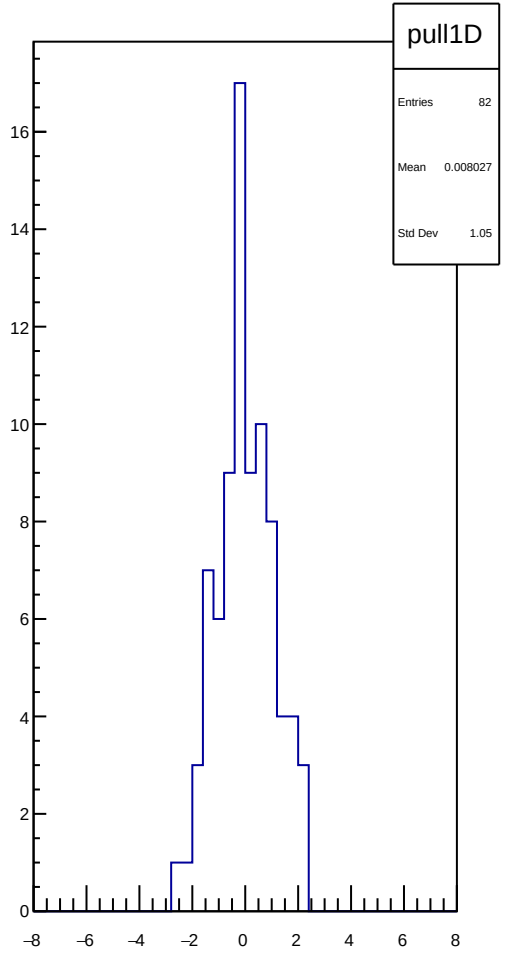

asym_sam3_correction_rms vs run
χ² / ndf 1.297e+04 / 81
p0 1845 ± 1.464
2300
2200
2100
2000
1900
1800
1700
1600

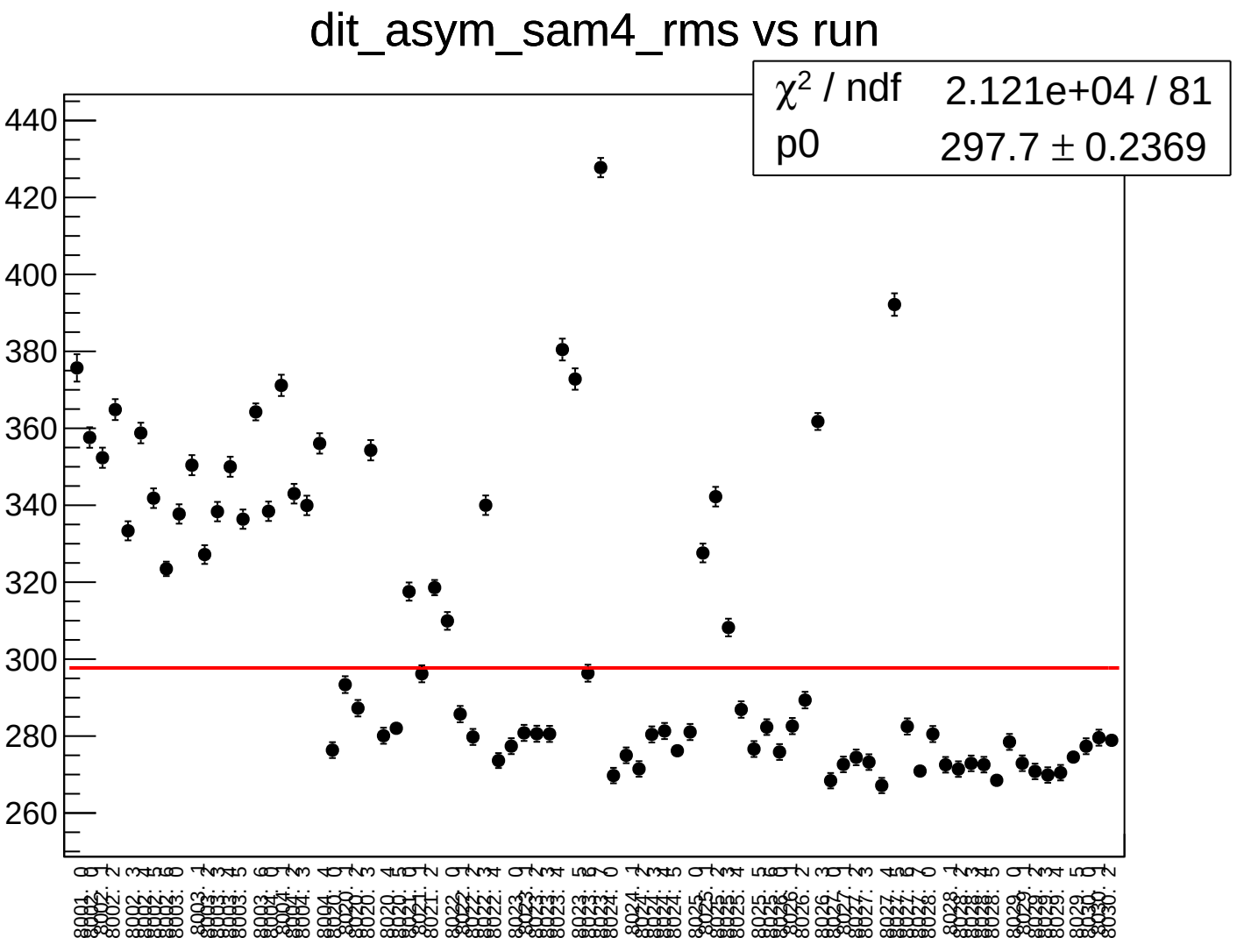

asym_sam3_mean vs run
χ² / ndf 67.7 / 81
p0 −457.8 ± 2126
pull
Entries 82
Mean −401.5
Std Dev 451.8

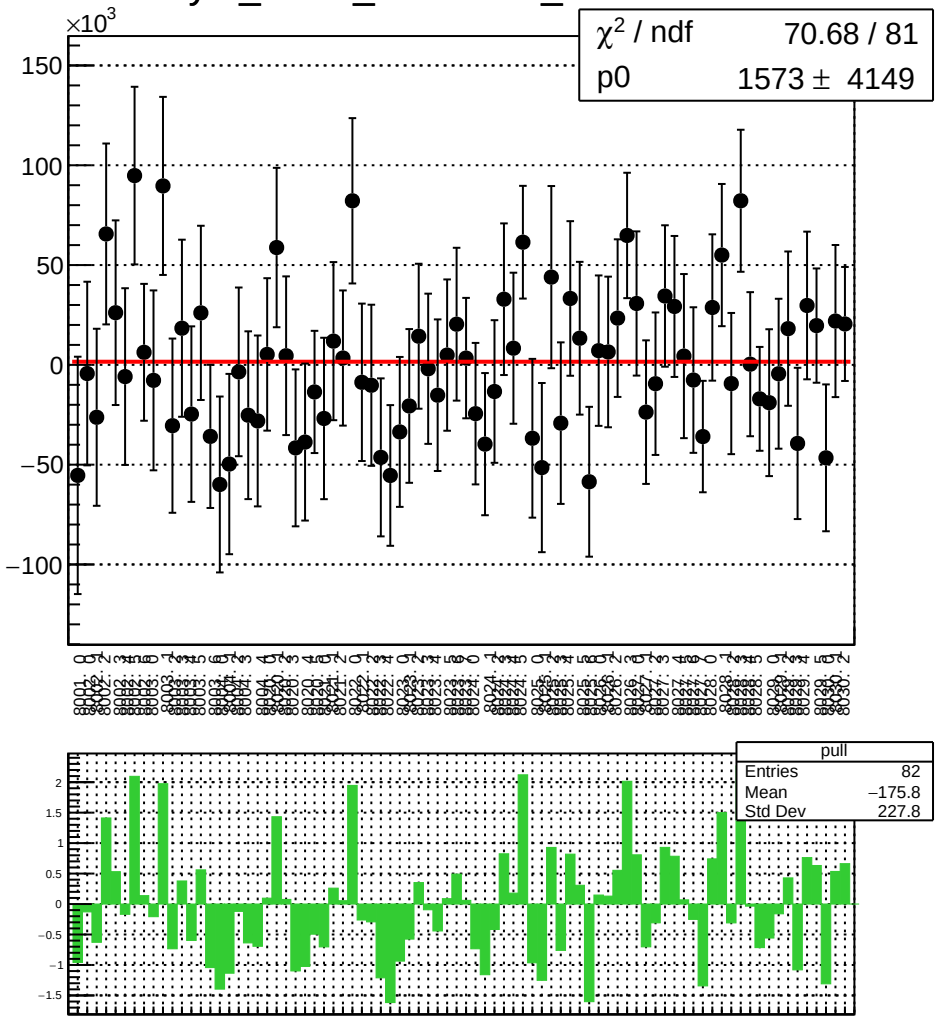

pull1D
Entries 82
Mean 0.004608
Std Dev 0.9086

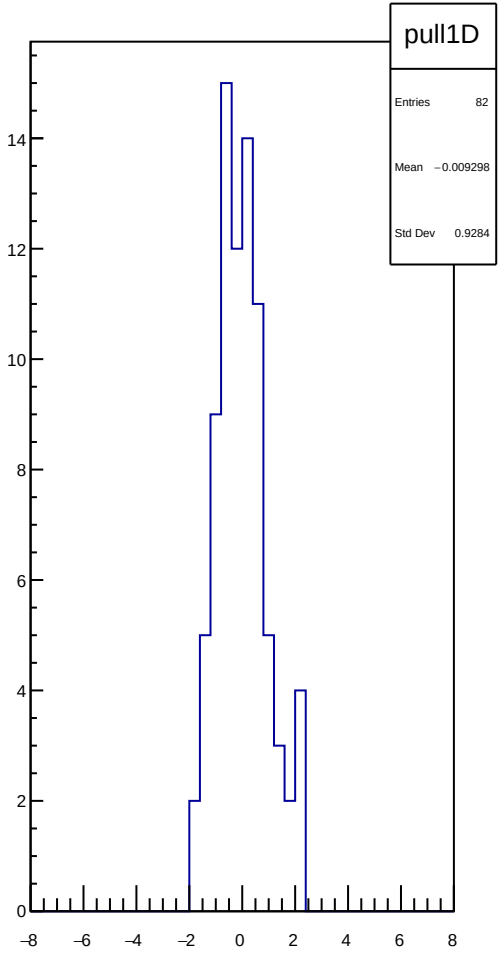

asym_sam3_rms vs run
χ² / ndf 1.506e+04 / 81
p0 1893 ± 1.503
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600

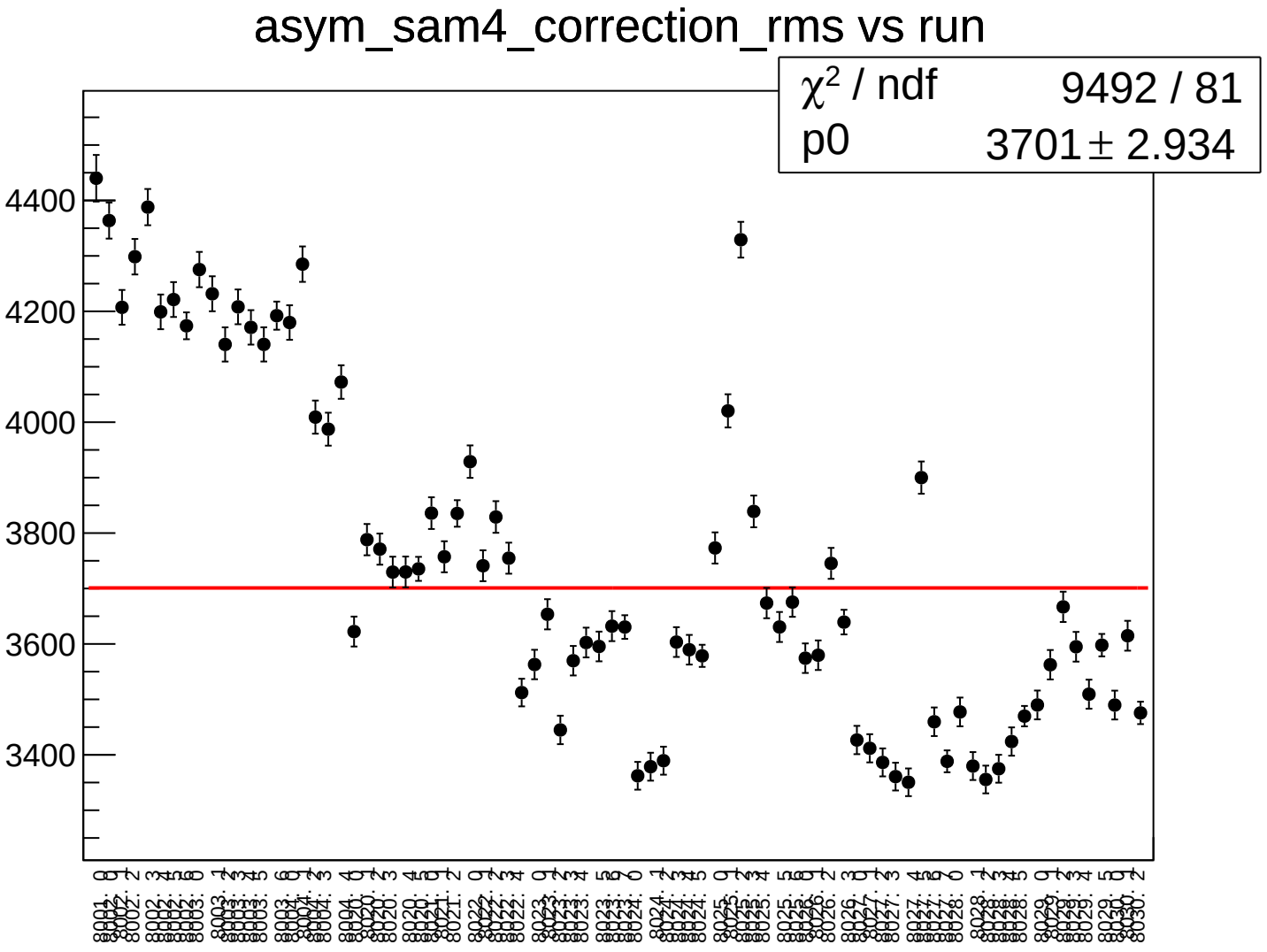

dit_asym_sam4_mean vs run
χ² / ndf 90.4 / 81
p0 94.07 ± 335
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 12.6
Std Dev 76.1
2
1
0
−1
−2

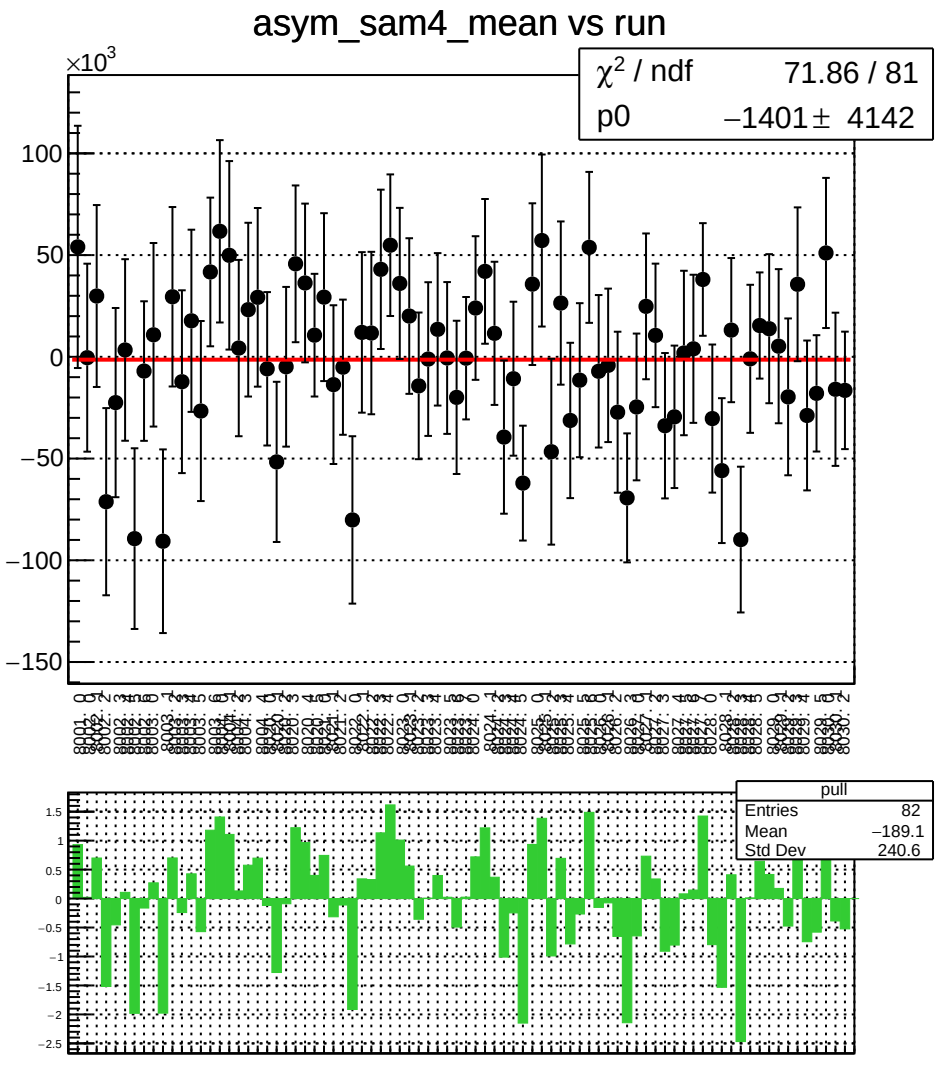

pull1D
Entries 82
Mean 0.008027
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

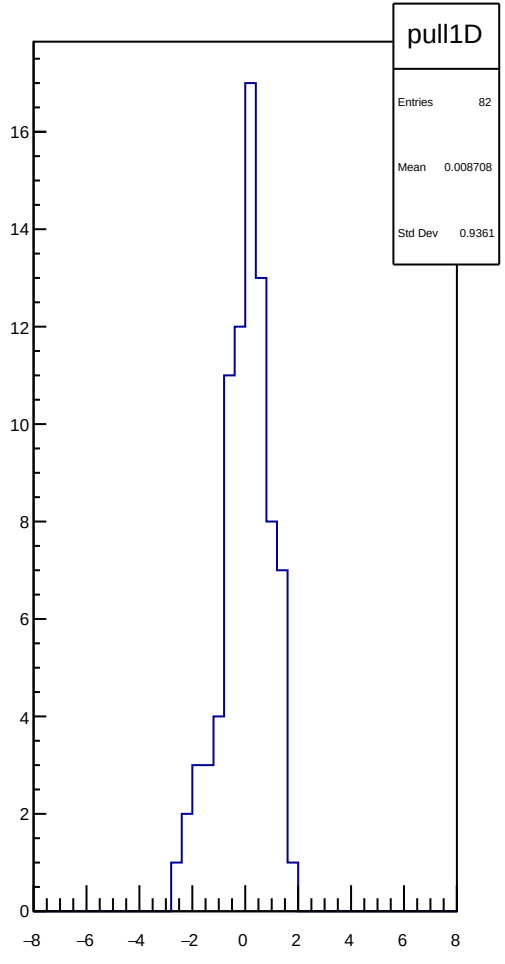

dit_asym_sam4_rms vs run
χ^2 / ndf 2.121e+04 / 81
p0 297.7 ± 0.2369
440
420
400
380
360
340
320
300
280
260

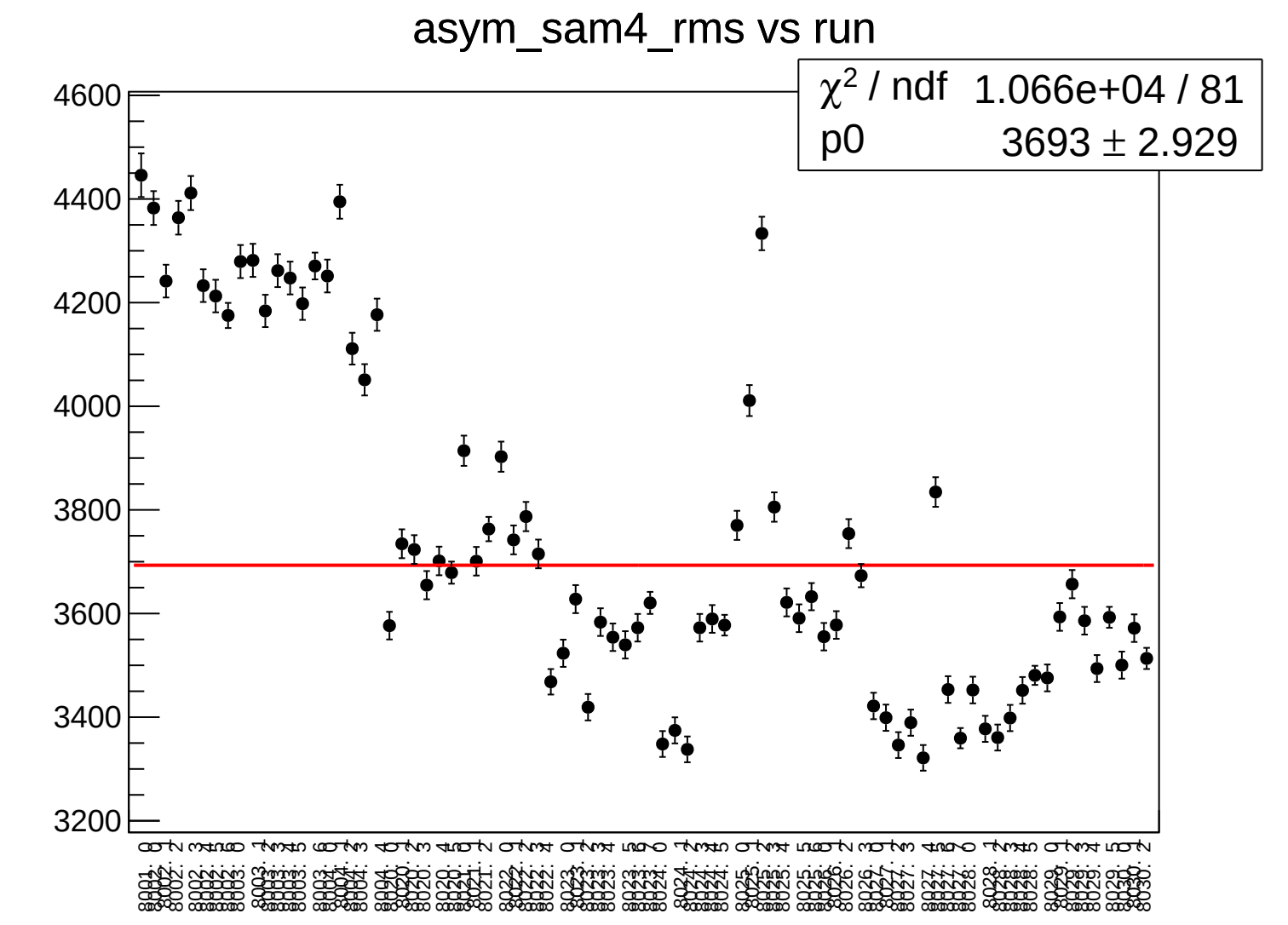

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 70.68 / 81
p0 1573 ± 4149
150
100
50
0
−50
−100
pull
Entries 82
Mean −175.8
Std Dev 227.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

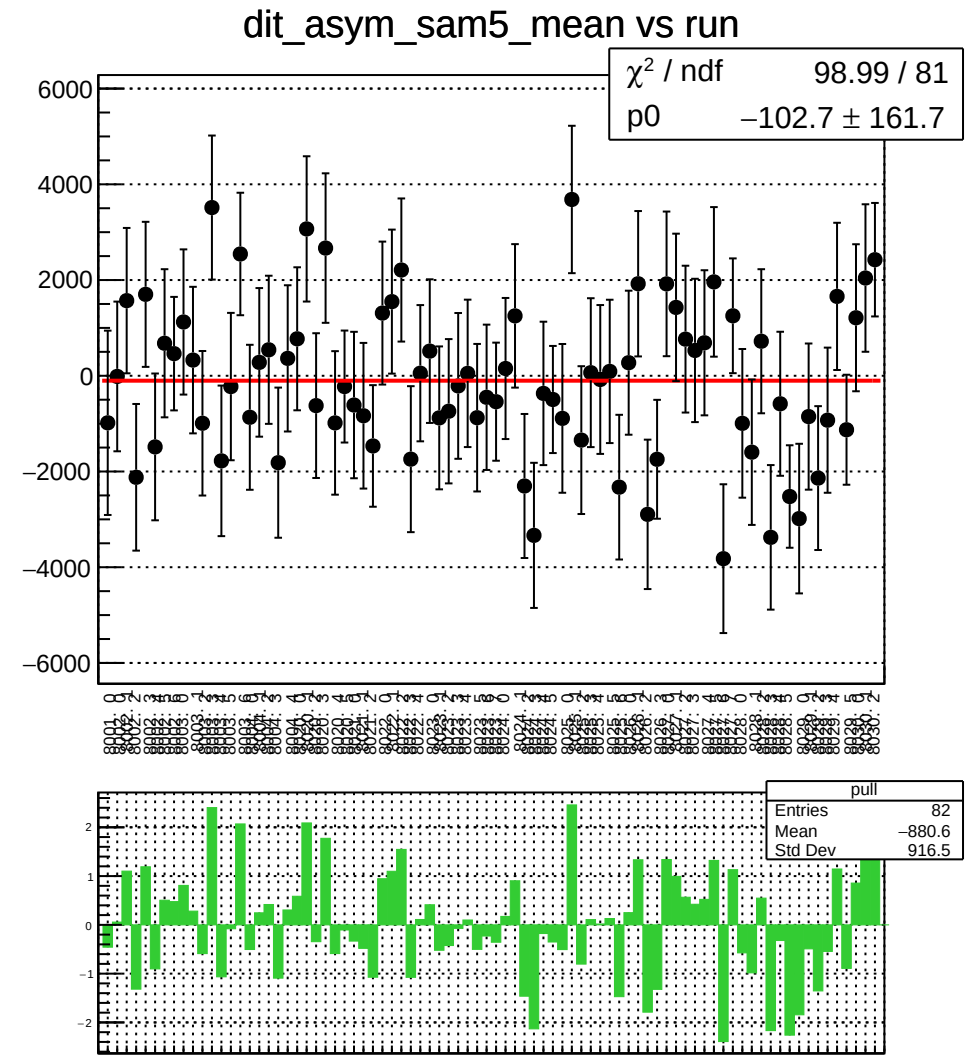

pull1D
Entries 82
Mean −0.009298
Std Dev 0.9284
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

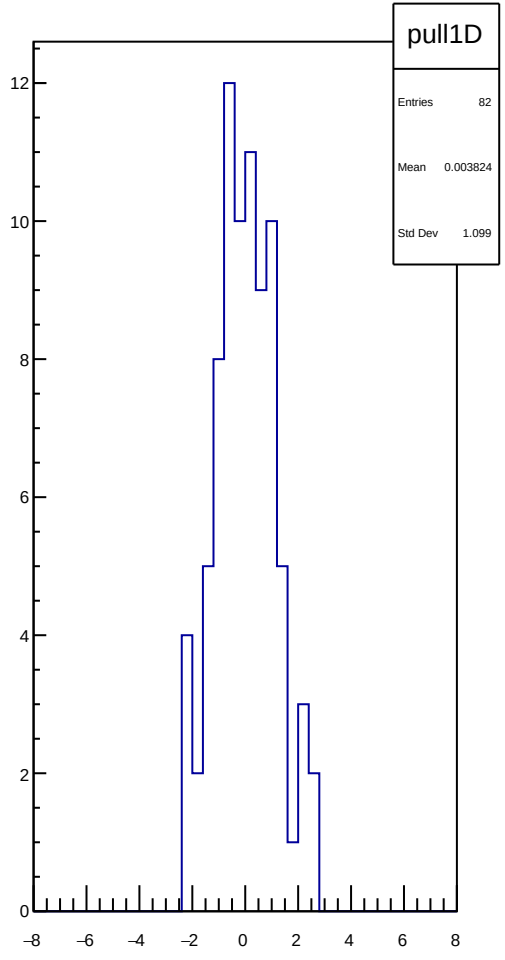

asym_sam4_correction_rms vs run
χ^2 / ndf 9492 / 81
p0 3701 ± 2.934
4400
4200
4000
3800
3600
3400

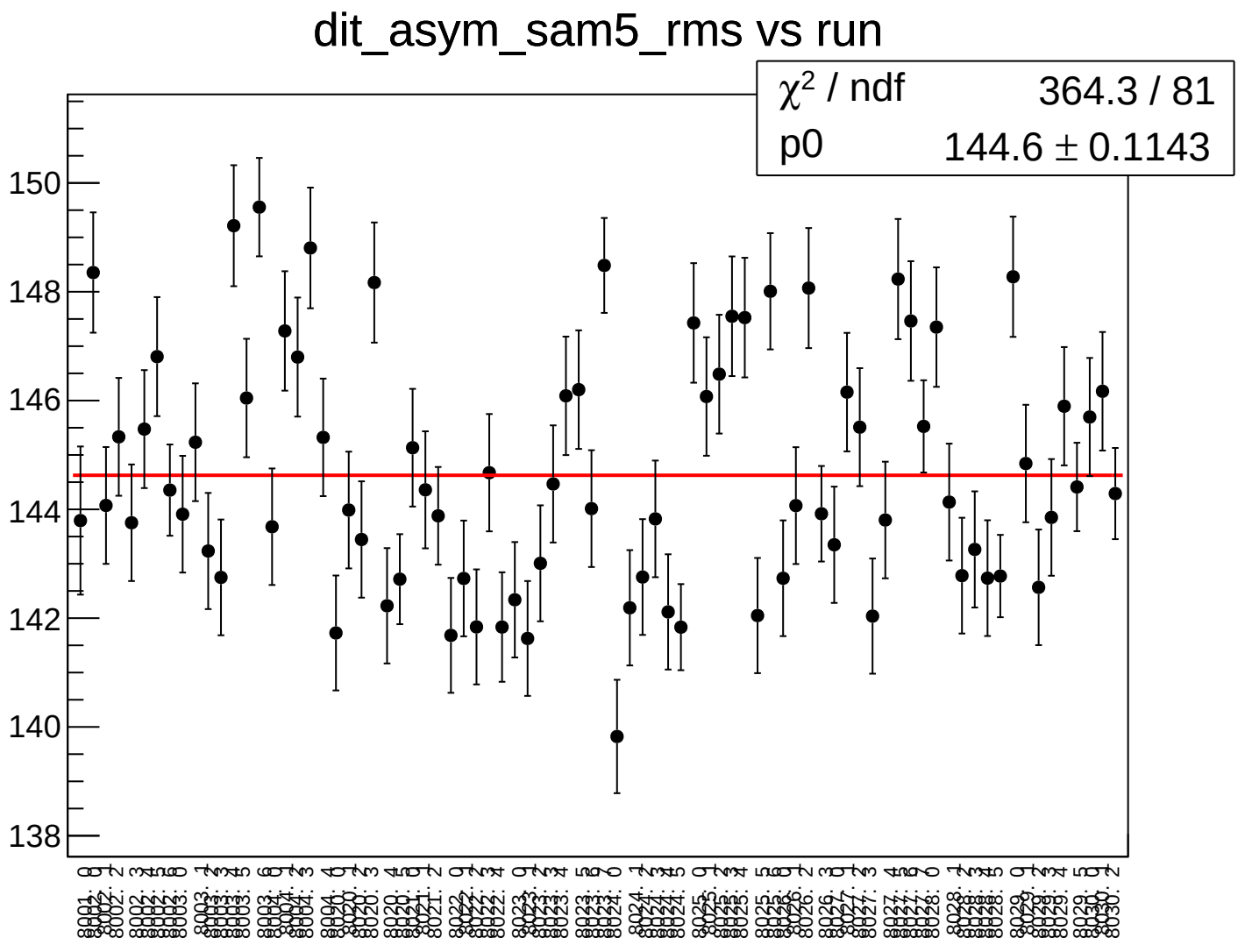

asym_sam4_mean vs run
×10^3
χ² / ndf 71.86 / 81
p0 −1401 ± 4142
100
50
0
−50
−100
−150
pull
Entries 82
Mean −189.1
Std Dev 240.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

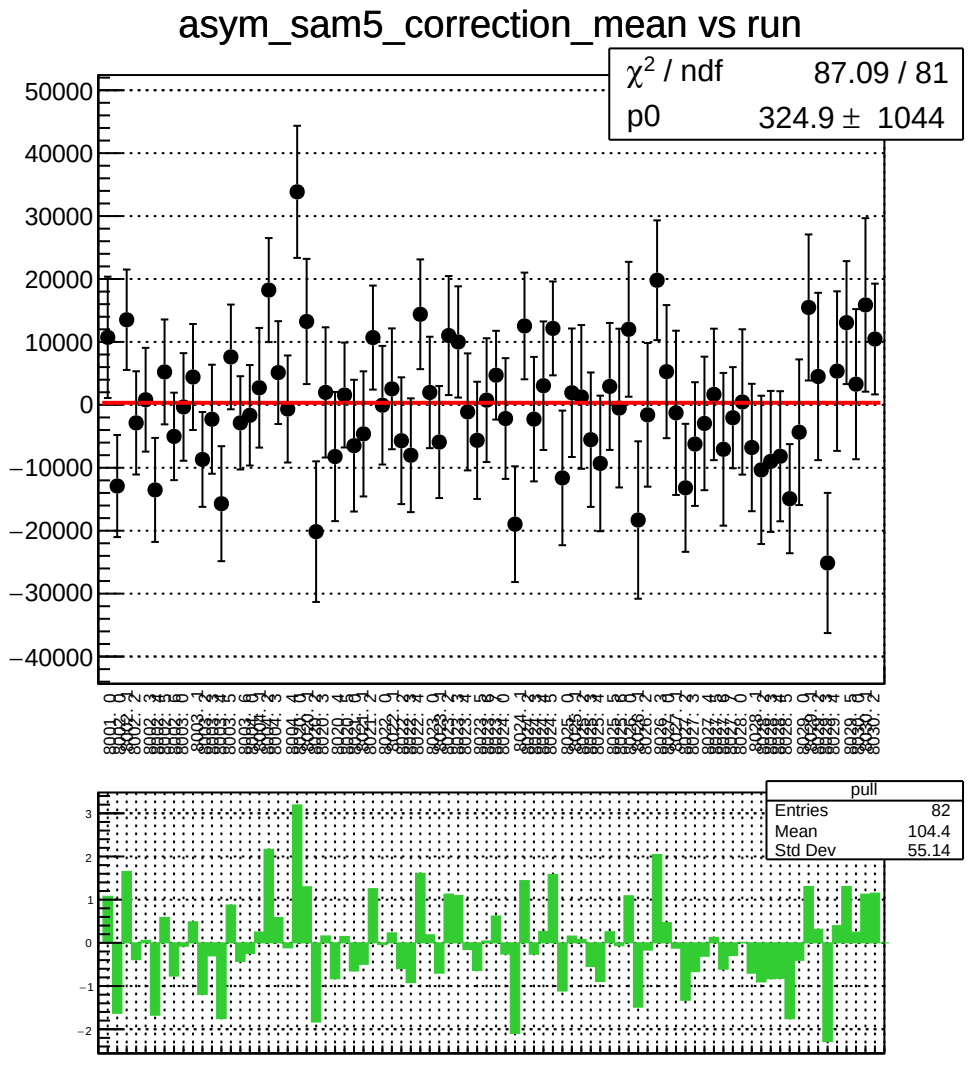

pull1D
Entries 82
Mean 0.008708
Std Dev 0.9361
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

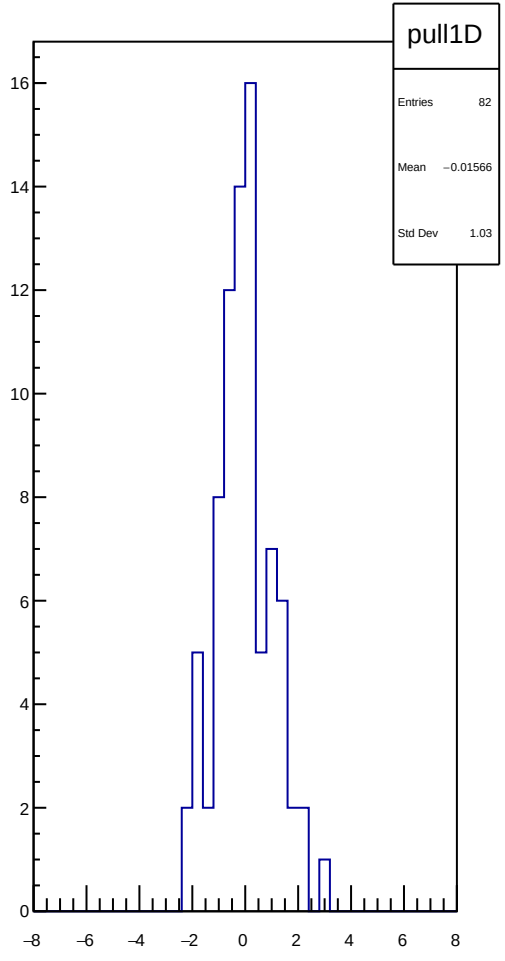

asym_sam4_rms vs run
χ² / ndf 1.066e+04 / 81
p0 3693 ± 2.929
4600
4400
4200
4000
3800
3600
3400
3200

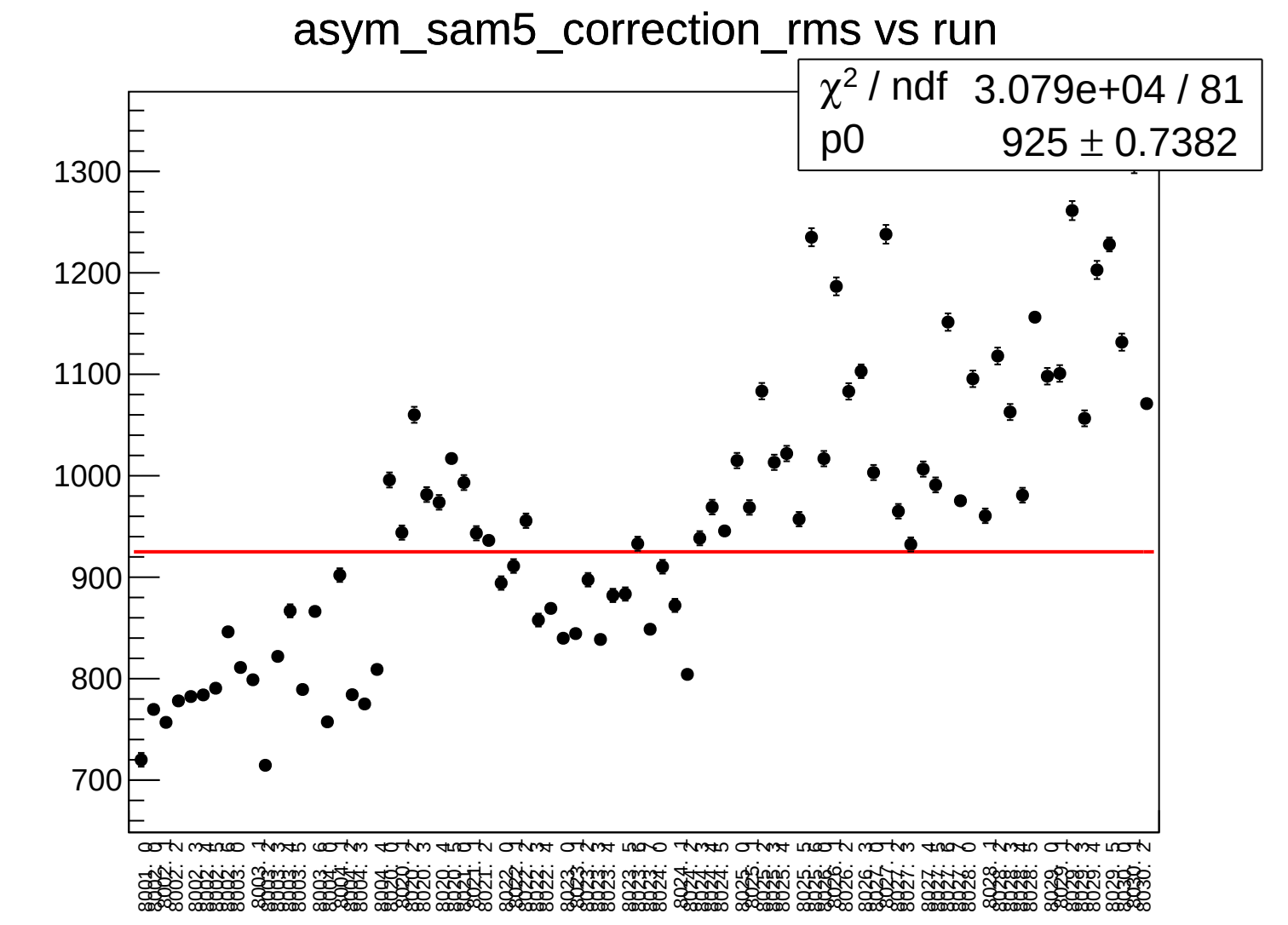

dit_asym_sam5_mean vs run
χ² / ndf 98.99 / 81
p0 −102.7 ± 161.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −880.6
Std Dev 916.5
2
1
0
−1
−2

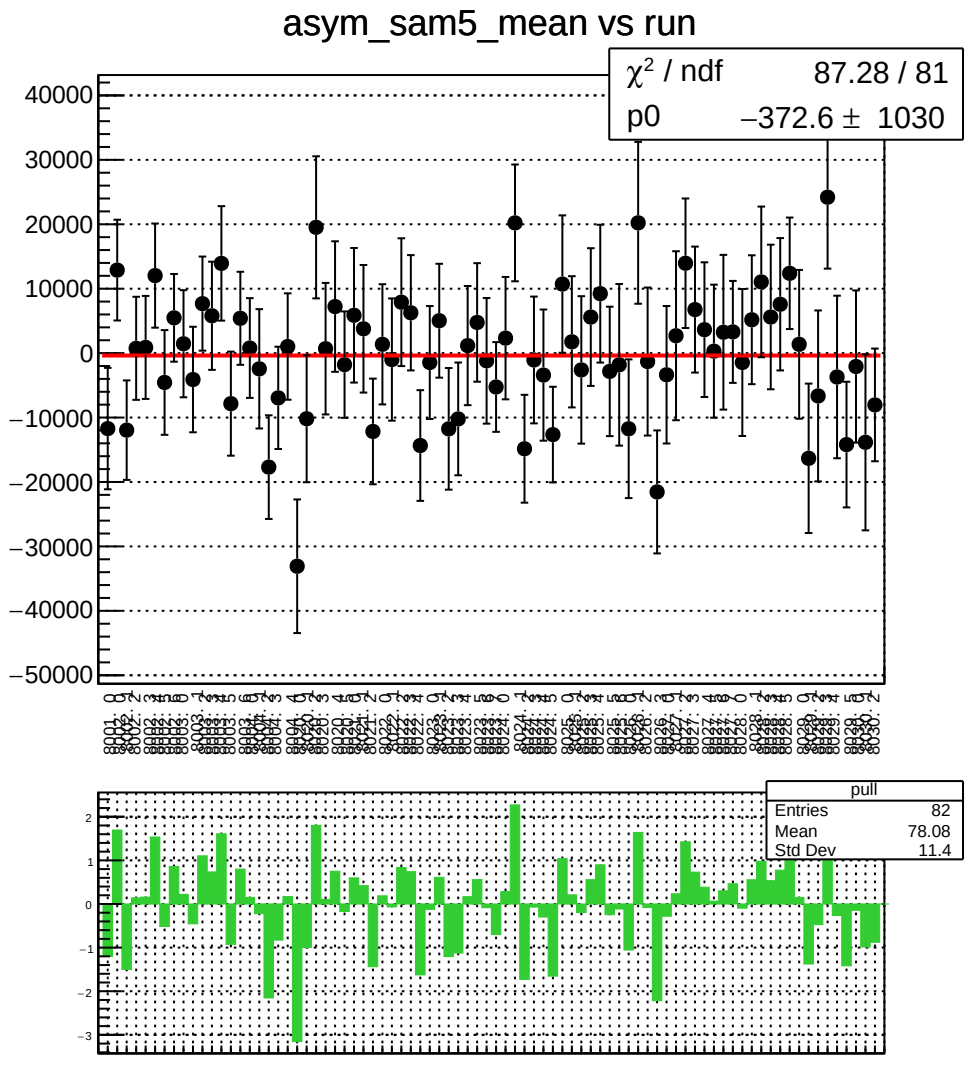

pull1D
Entries 82
Mean 0.003824
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

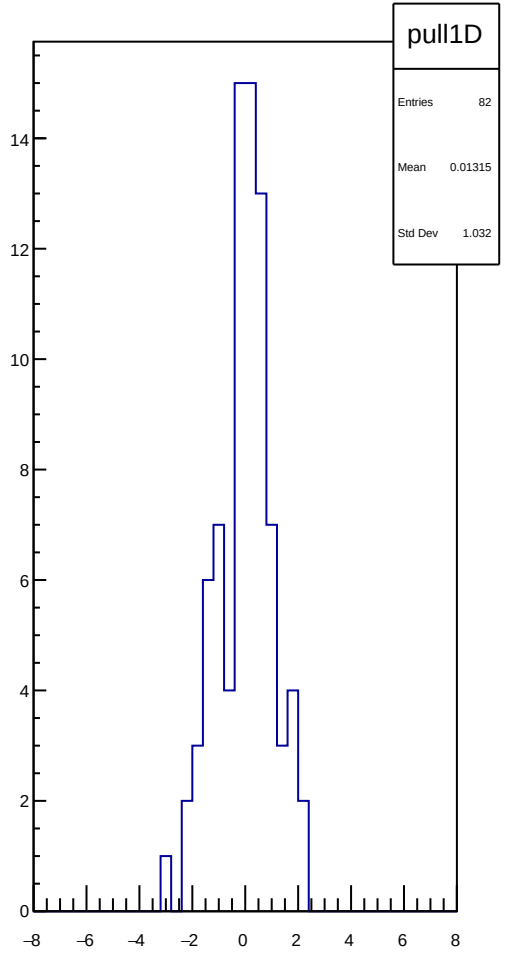

dit_asym_sam5_rms vs run
χ^2 / ndf 364.3 / 81
p0 144.6 ± 0.1143
150
148
146
144
142
140
138

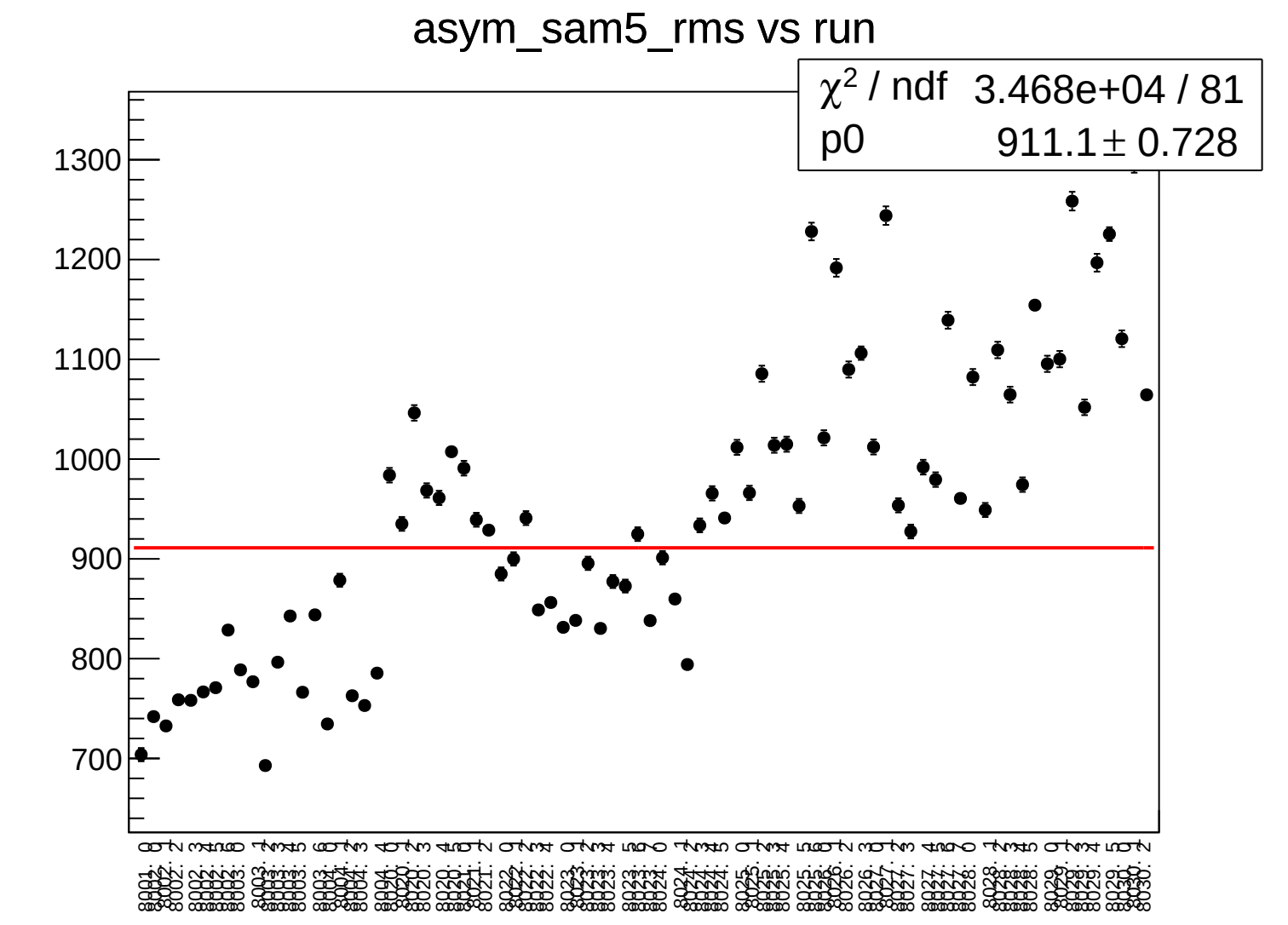

asym_sam5_correction_mean vs run
χ² / ndf 87.09 / 81
p0 324.9 ± 1044
pull
Entries 82
Mean 104.4
Std Dev 55.14

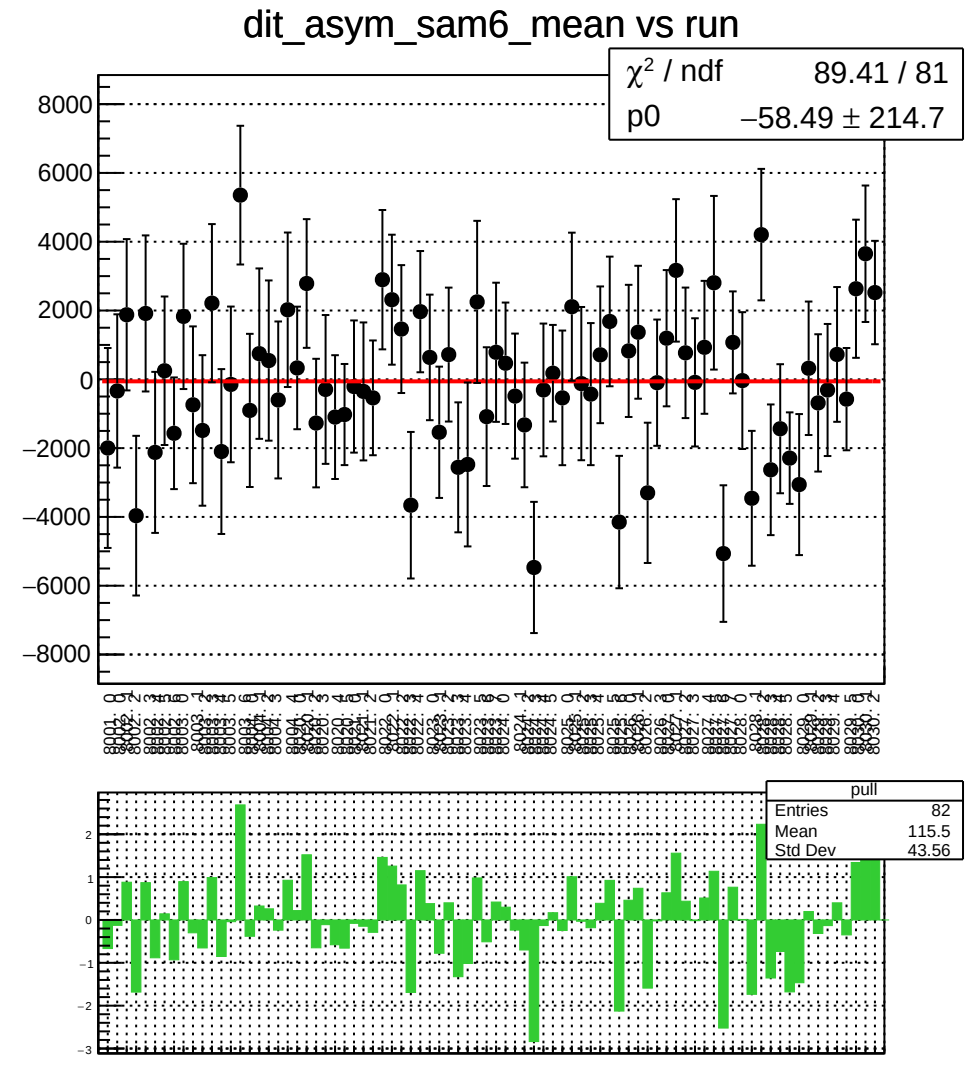

pull1D
Entries 82
Mean −0.01566
Std Dev 1.03

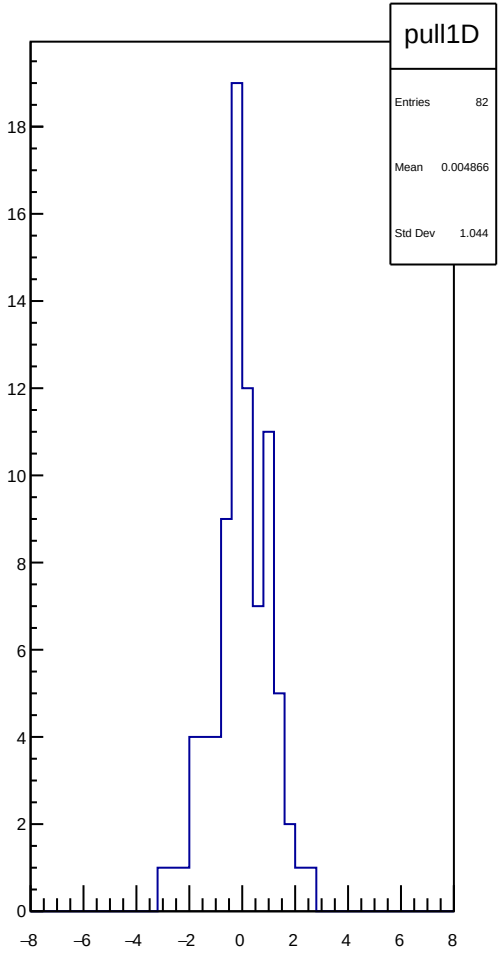

asym_sam5_correction_rms vs run
χ² / ndf 3.079e+04 / 81
p0 925 ± 0.7382
1300
1200
1100
1000
900
800
700

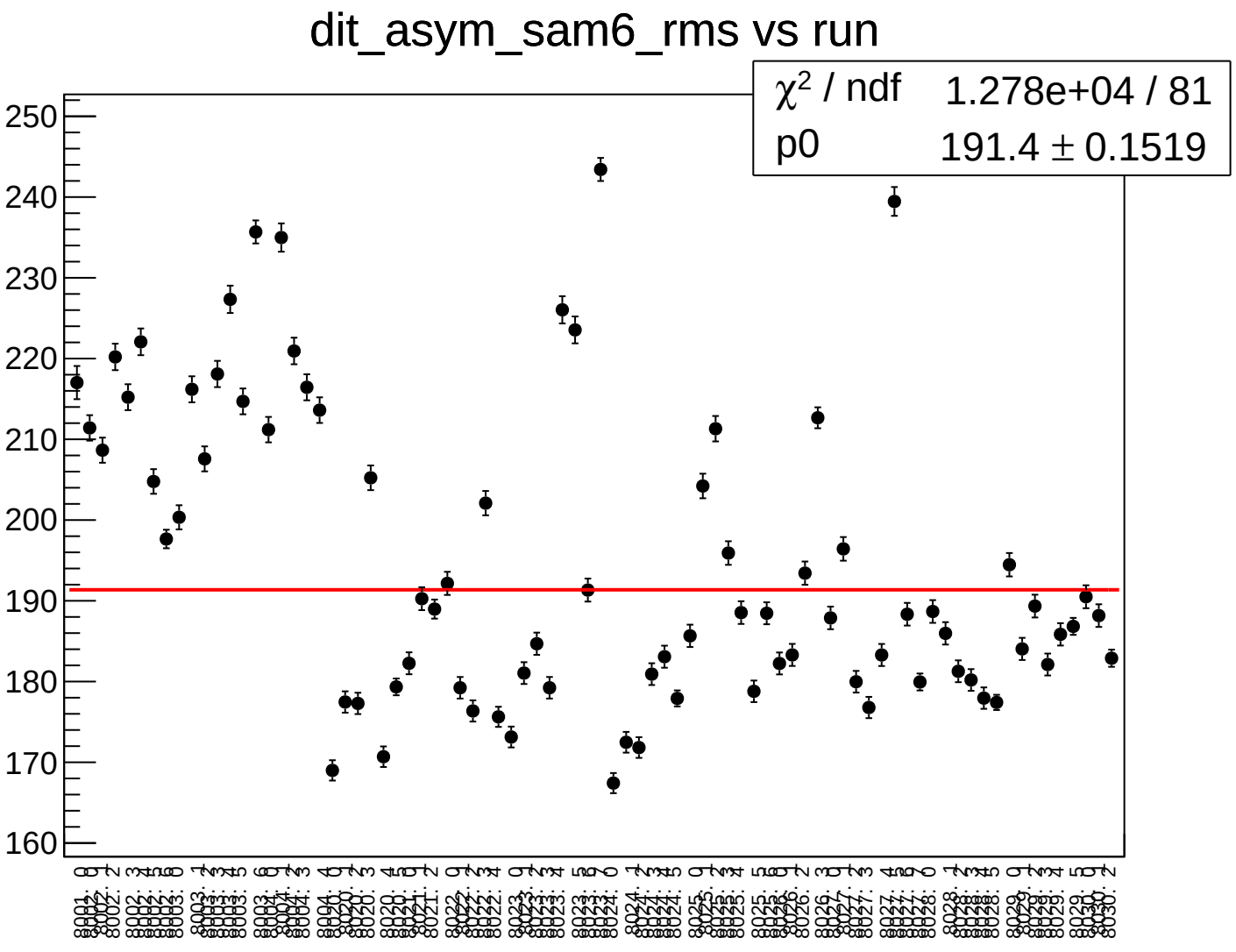

asym_sam5_mean vs run
χ² / ndf 87.28 / 81
p0 −372.6 ± 1030
pull
Entries 82
Mean 78.08
Std Dev 11.4

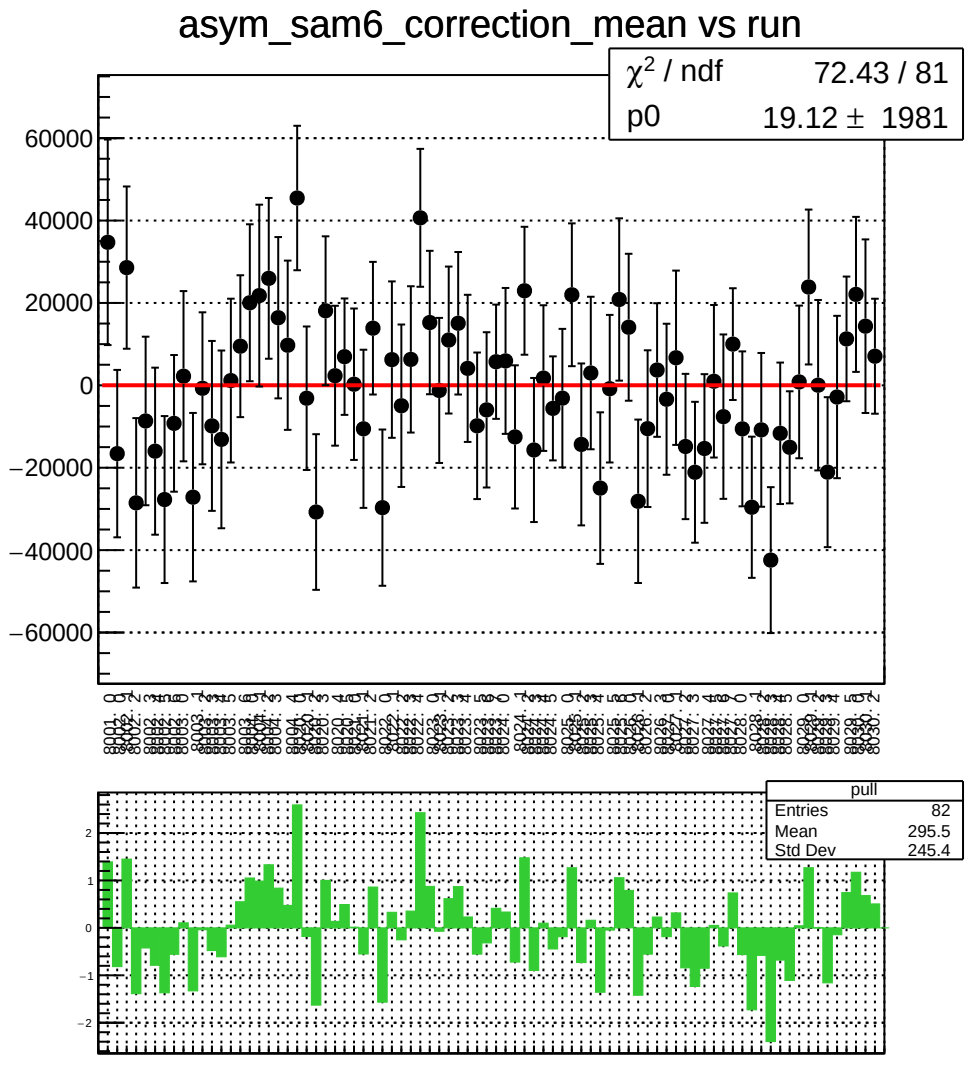

pull1D
Entries 82
Mean 0.01315
Std Dev 1.032

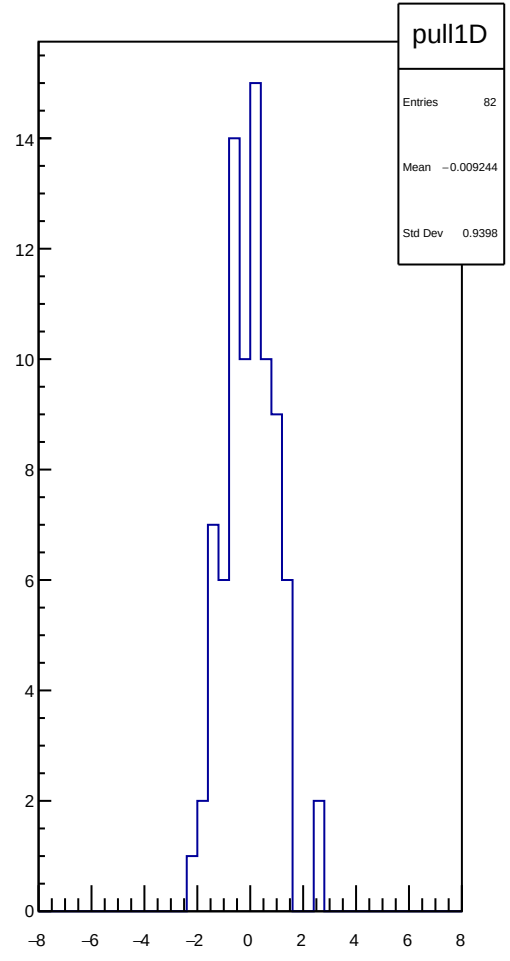

asym_sam5_rms vs run
χ² / ndf 3.468e+04 / 81
p0 911.1 ± 0.728
1300
1200
1100
1000
900
800
700

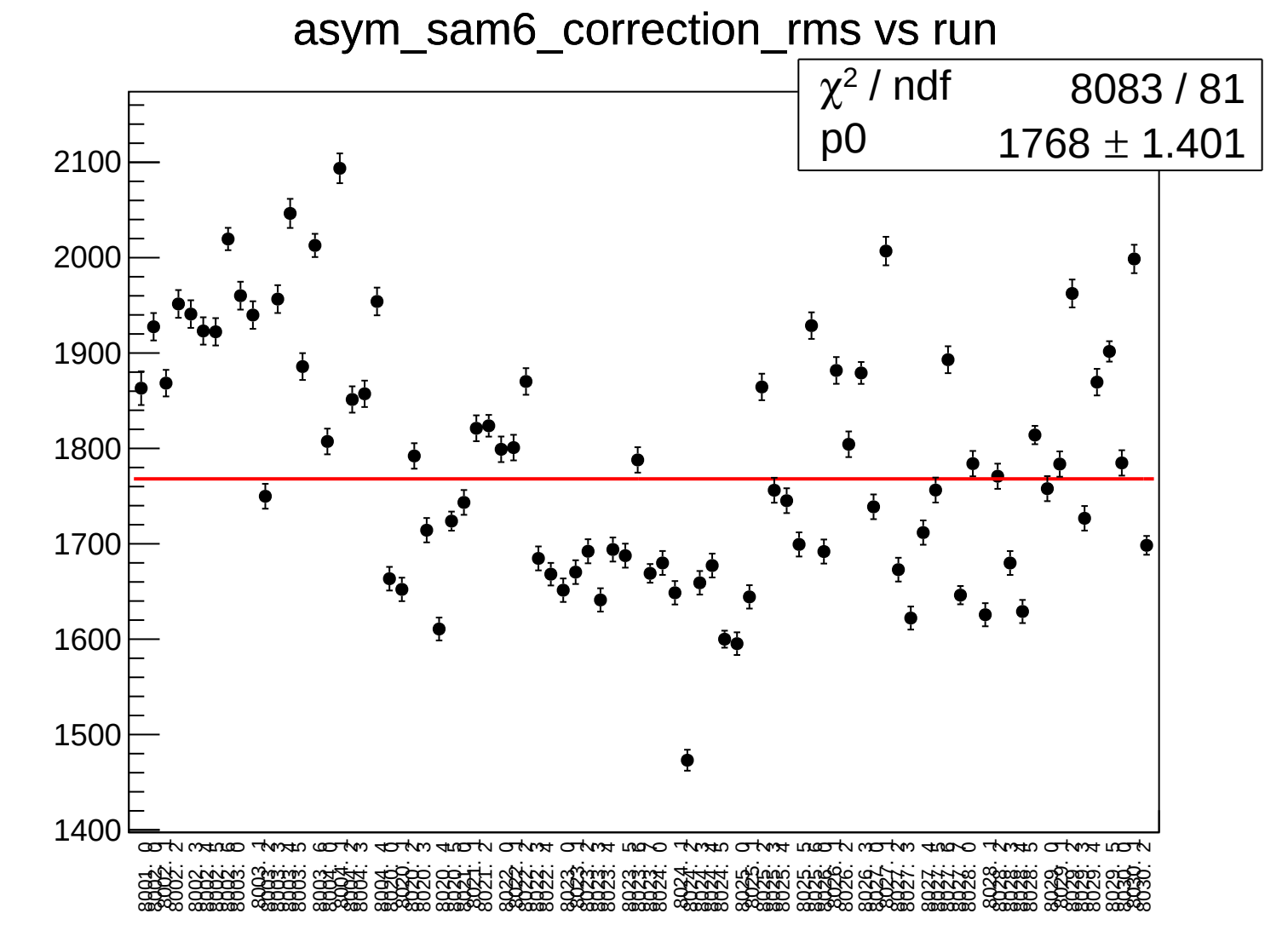

dit_asym_sam6_mean vs run
χ² / ndf 89.41 / 81
p0 −58.49 ± 214.7
pull
Entries 82
Mean 115.5
Std Dev 43.56

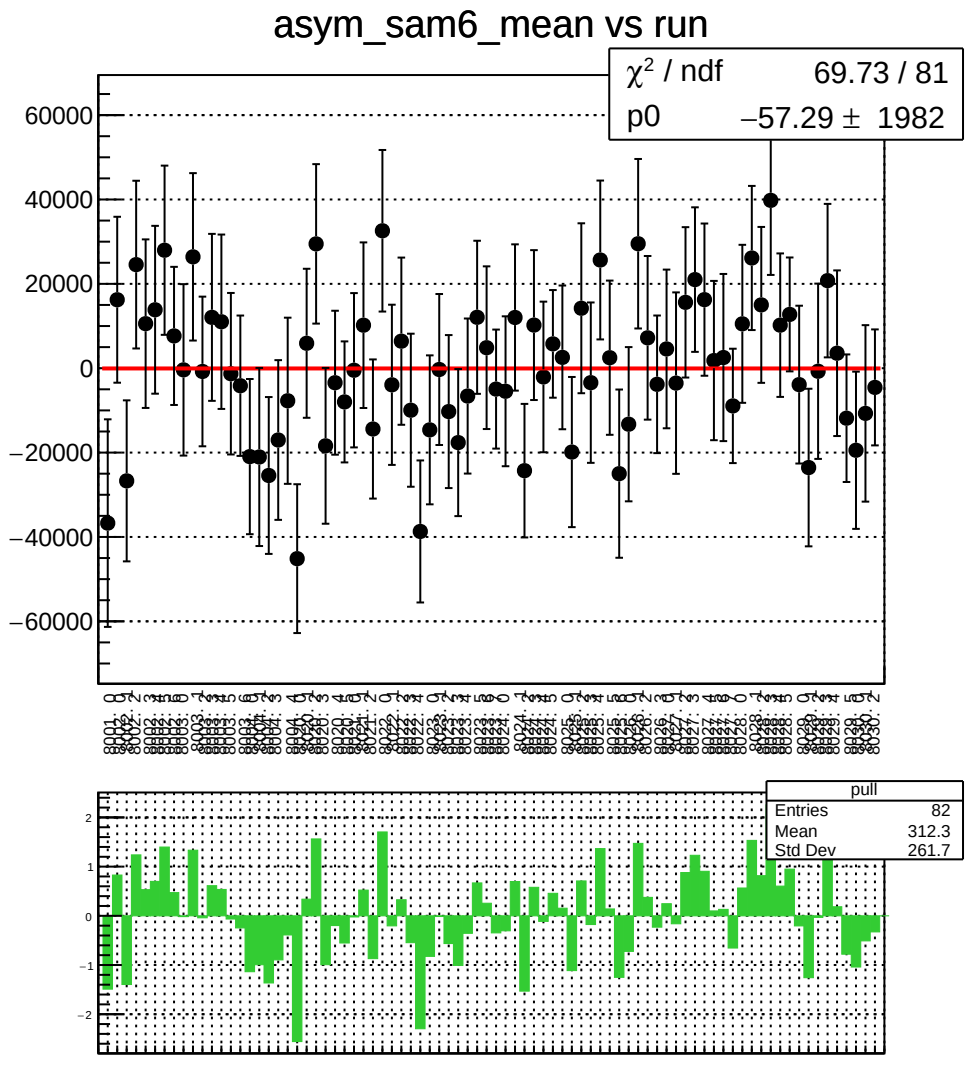

pull1D
Entries 82
Mean 0.004866
Std Dev 1.044

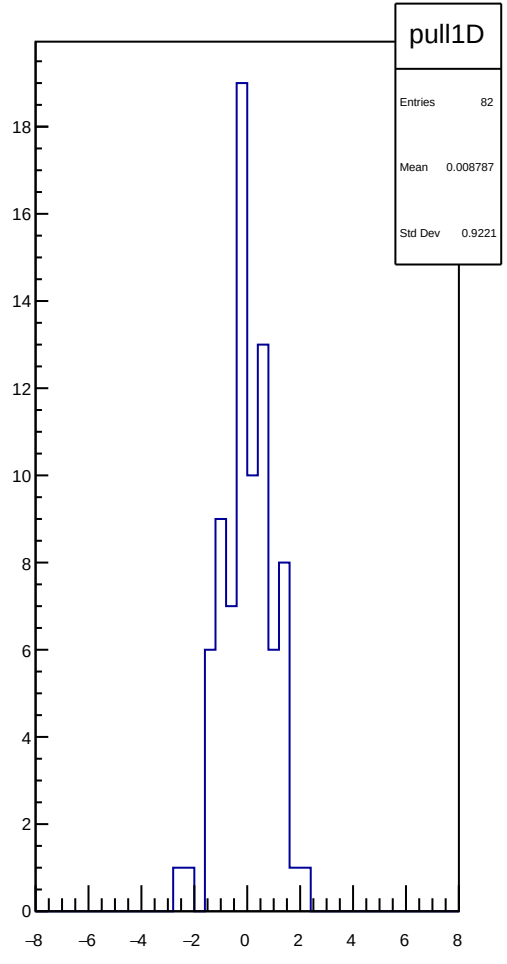

dit_asym_sam6_rms vs run
χ² / ndf 1.278e+04 / 81
p0 191.4 ± 0.1519
250
240
230
220
210
200
190
180
170
160

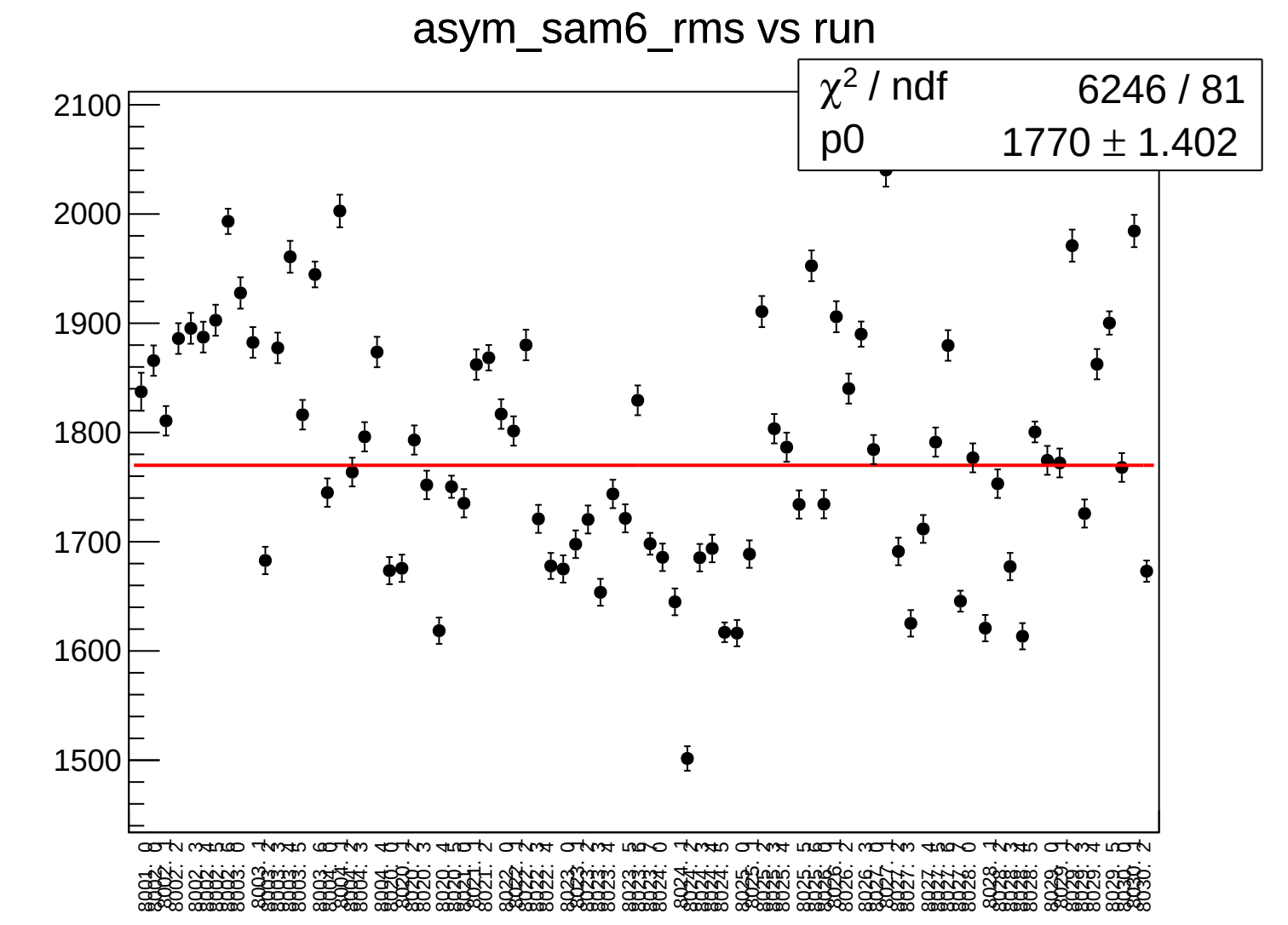

asym_sam6_correction_mean vs run
χ² / ndf 72.43 / 81
p0 19.12 ± 1981
pull
Entries 82
Mean 295.5
Std Dev 245.4

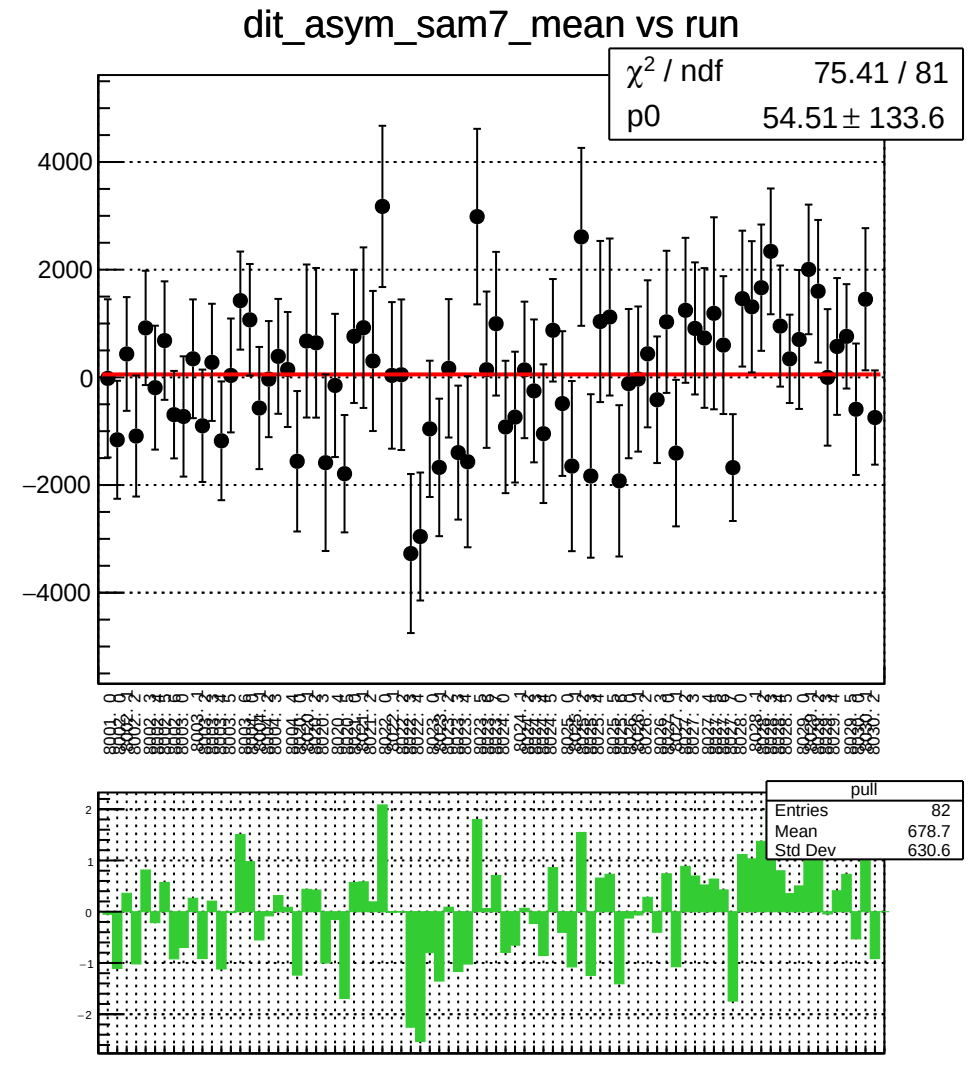

pull1D
Entries 82
Mean −0.009244
Std Dev 0.9398

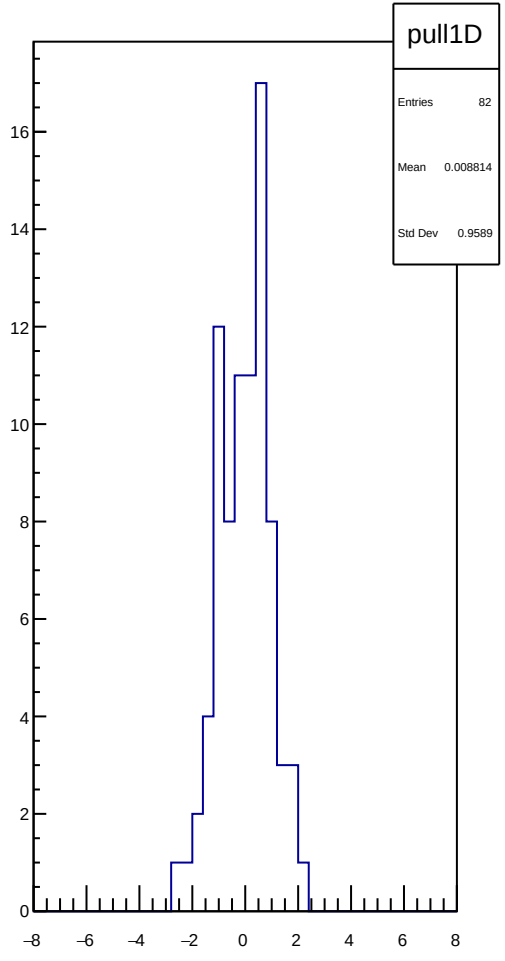

asym_sam6_correction_rms vs run
χ² / ndf 8083 / 81
p0 1768 ± 1.401
2100
2000
1900
1800
1700
1600
1500
1400

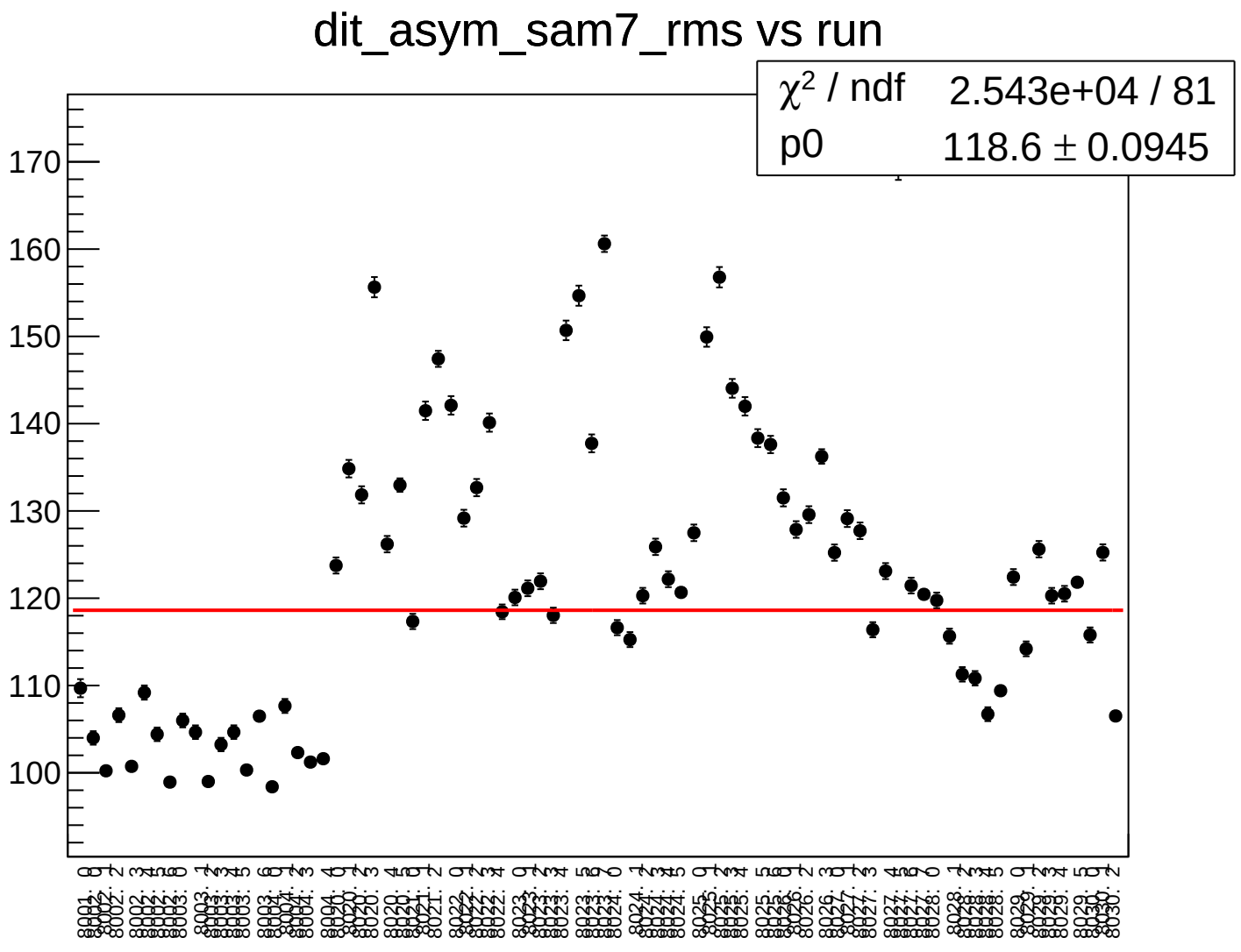

asym_sam6_mean vs run
χ² / ndf 69.73 / 81
p0 −57.29 ± 1982
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 312.3
Std Dev 261.7
2
1
0
−1
−2

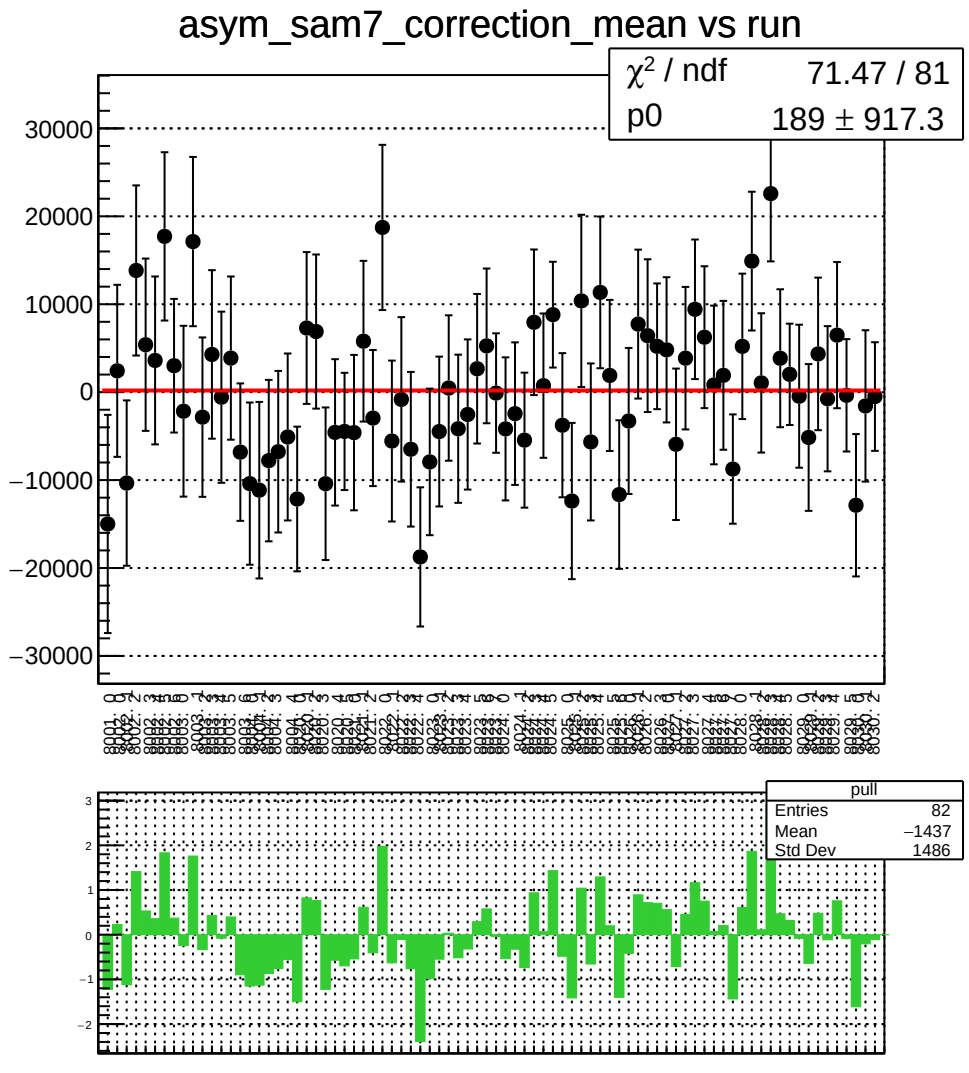

pull1D
Entries 82
Mean 0.008787
Std Dev 0.9221
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

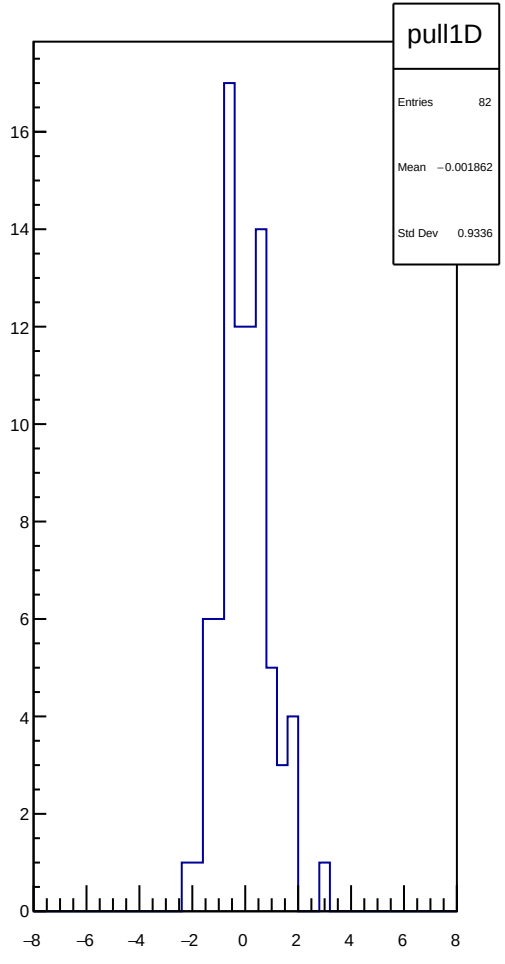

asym_sam6_rms vs run
χ² / ndf 6246 / 81
p0 1770 ± 1.402
2100
2000
1900
1800
1700
1600
1500

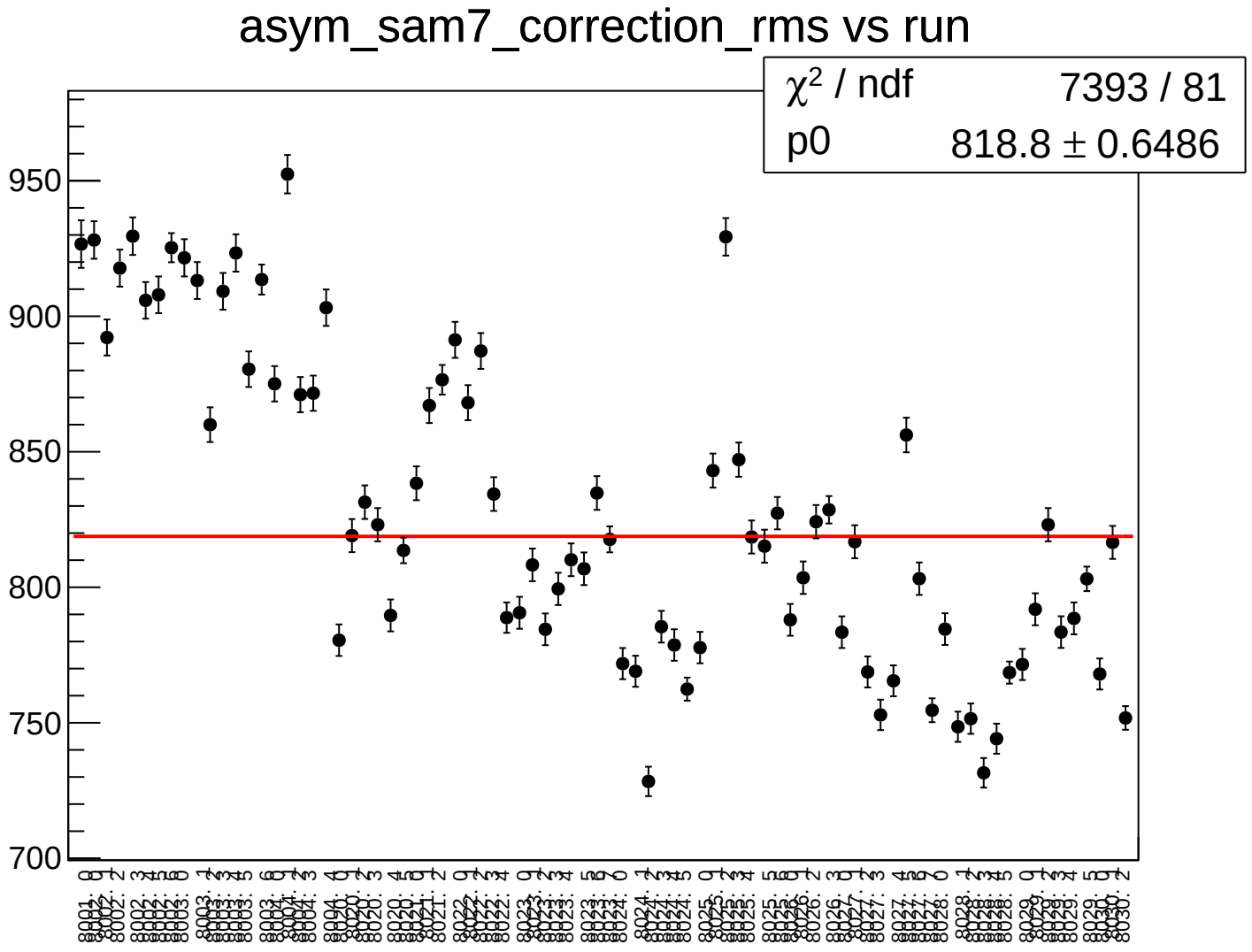

dit_asym_sam7_mean vs run
χ^2 / ndf 75.41 / 81
p0 54.51 ± 133.6
4000
2000
0
−2000
−4000
pull
Entries 82
Mean 678.7
Std Dev 630.6
2
1
0
−1
−2

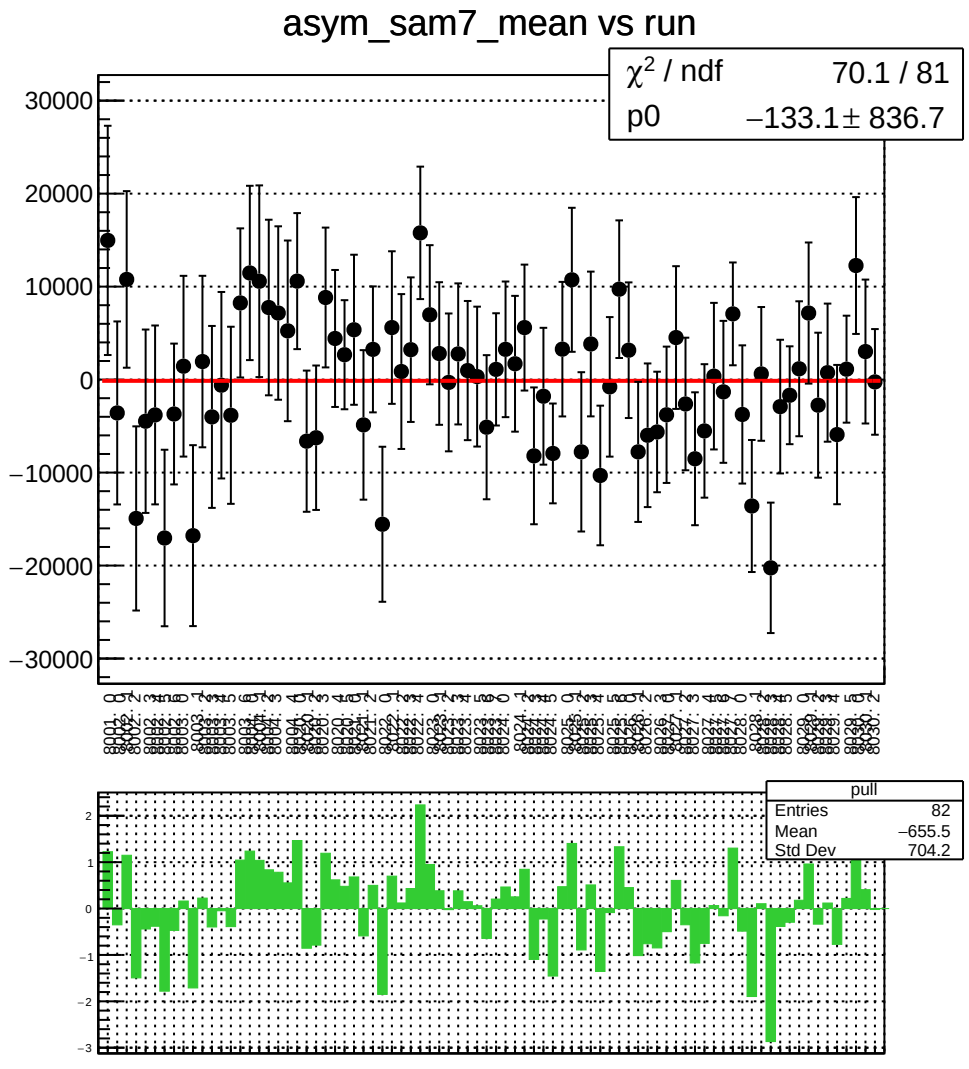

pull1D
Entries 82
Mean 0.008814
Std Dev 0.9589
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

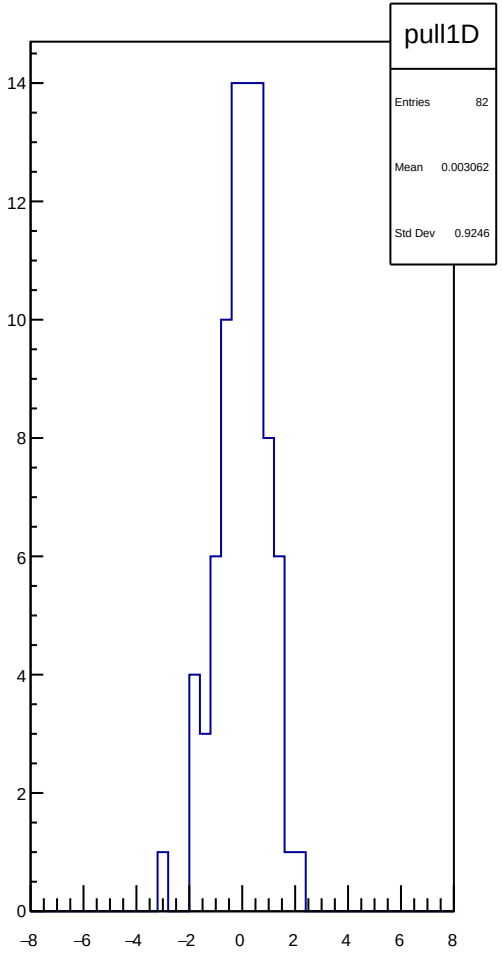

dit_asym_sam7_rms vs run
χ² / ndf 2.543e+04 / 81
p0 118.6 ± 0.0945
170
160
150
140
130
120
110
100

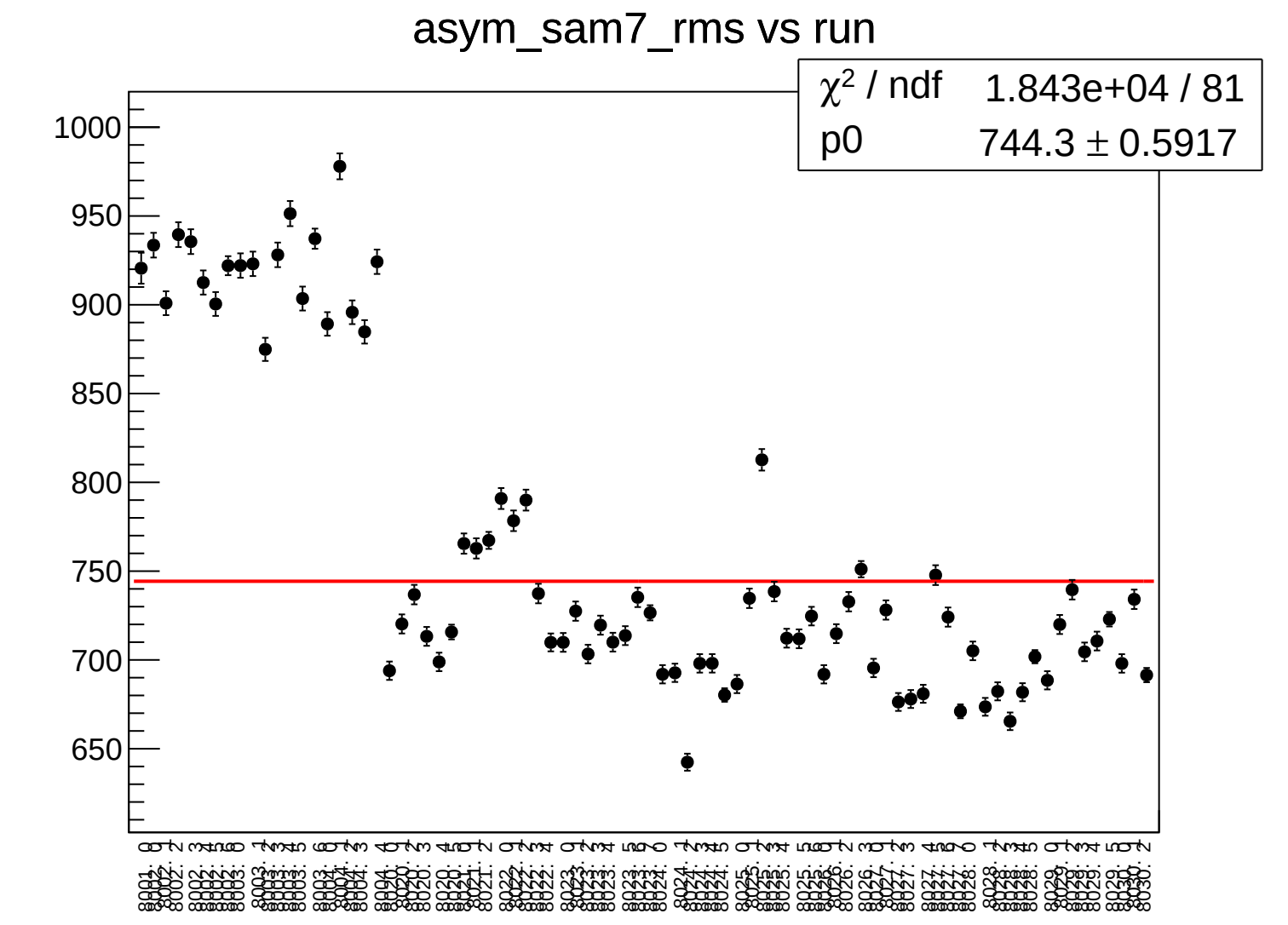

asym_sam7_correction_mean vs run
χ² / ndf 71.47 / 81
p0 189 ± 917.3
pull
Entries 82
Mean −1437
Std Dev 1486

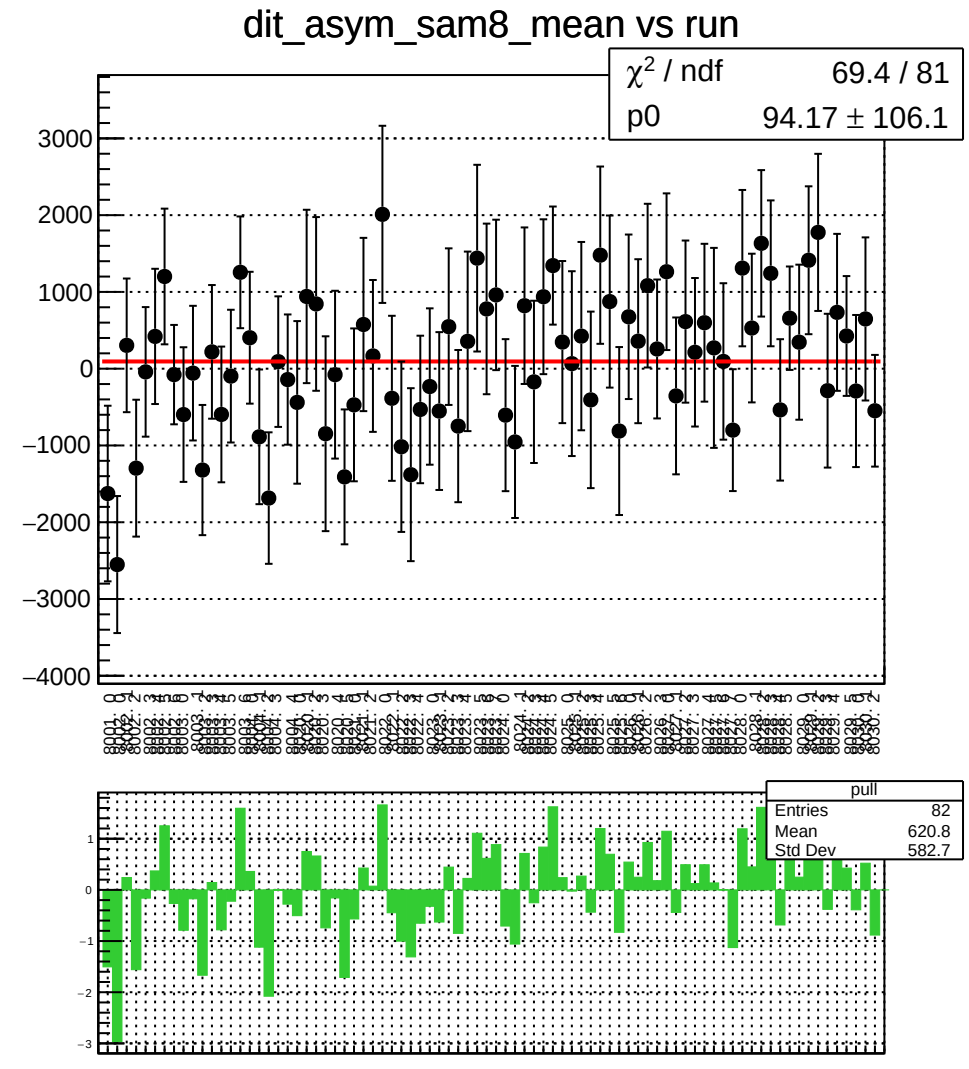

pull1D
Entries 82
Mean −0.001862
Std Dev 0.9336

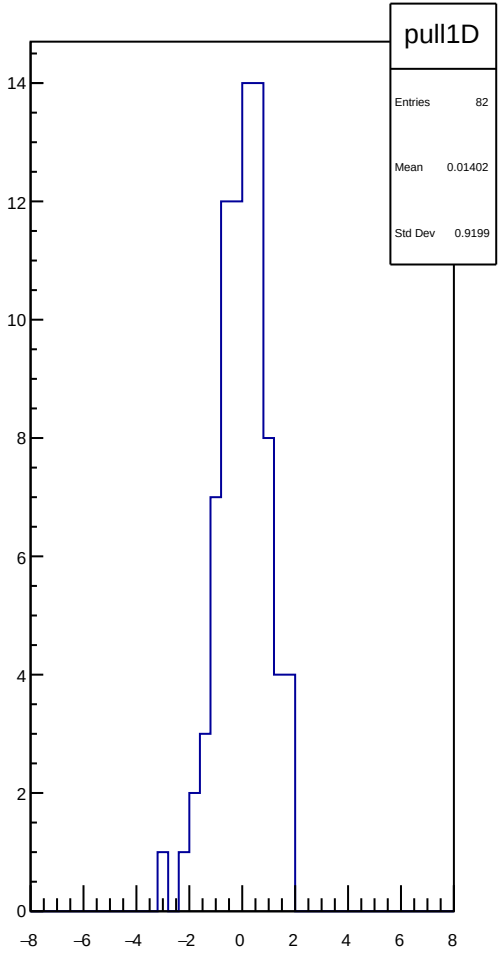

asym_sam7_correction_rms vs run
χ² / ndf 7393 / 81
p0 818.8 ± 0.6486
950
900
850
800
750
700

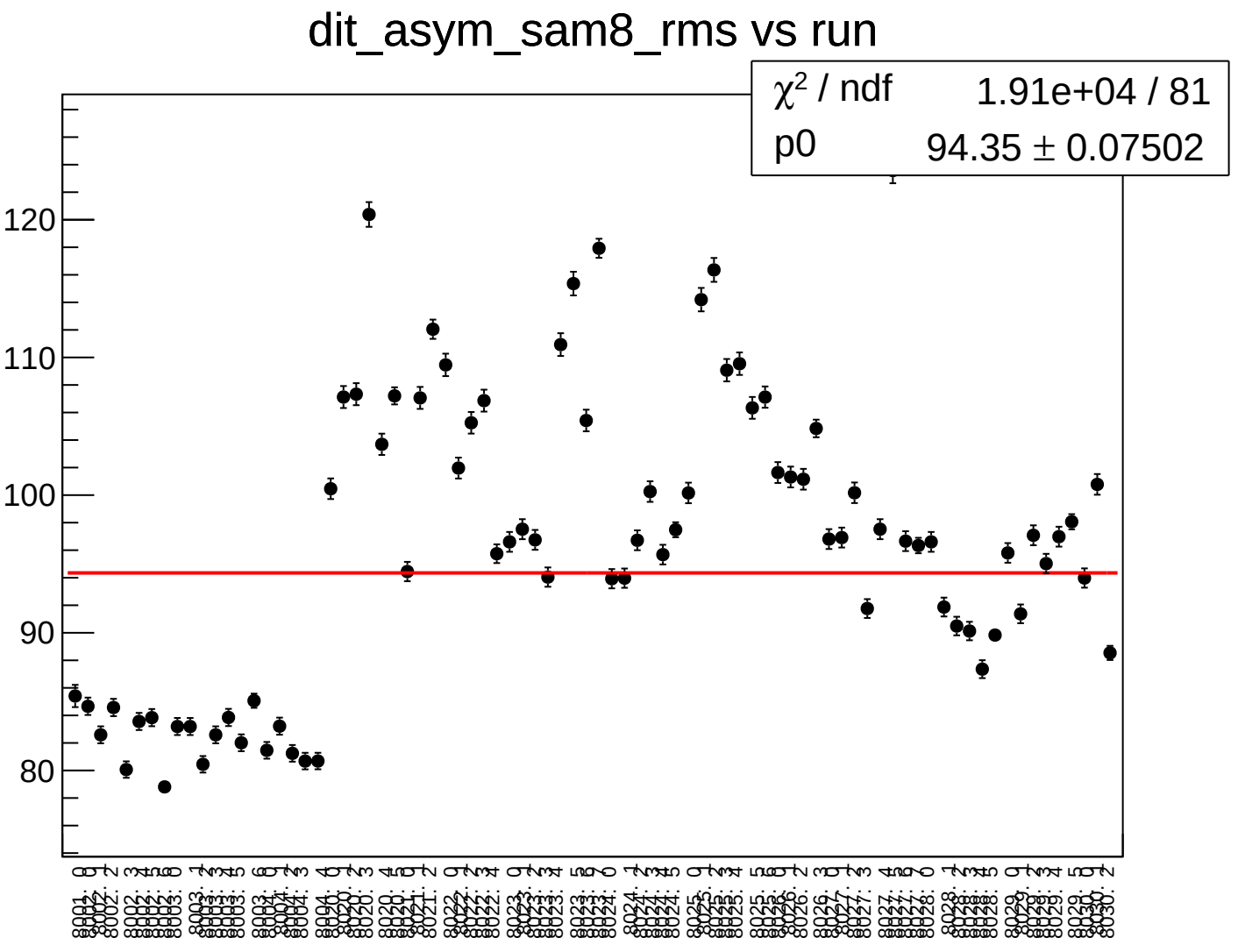

asym_sam7_mean vs run
χ^2 / ndf 70.1 / 81
p0 −133.1± 836.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −655.5
Std Dev 704.2
2
1
0
−1
−2
−3

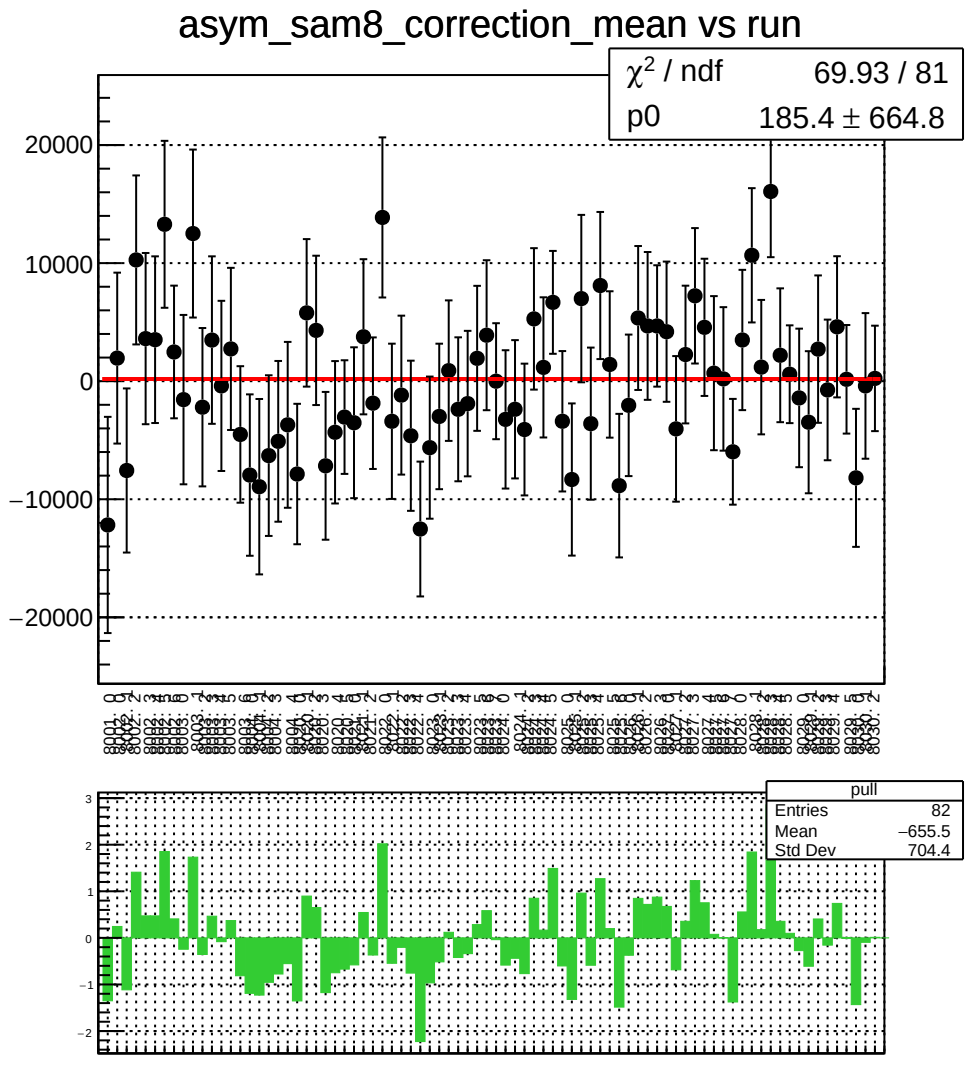

pull1D
Entries 82
Mean 0.003062
Std Dev 0.9246
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

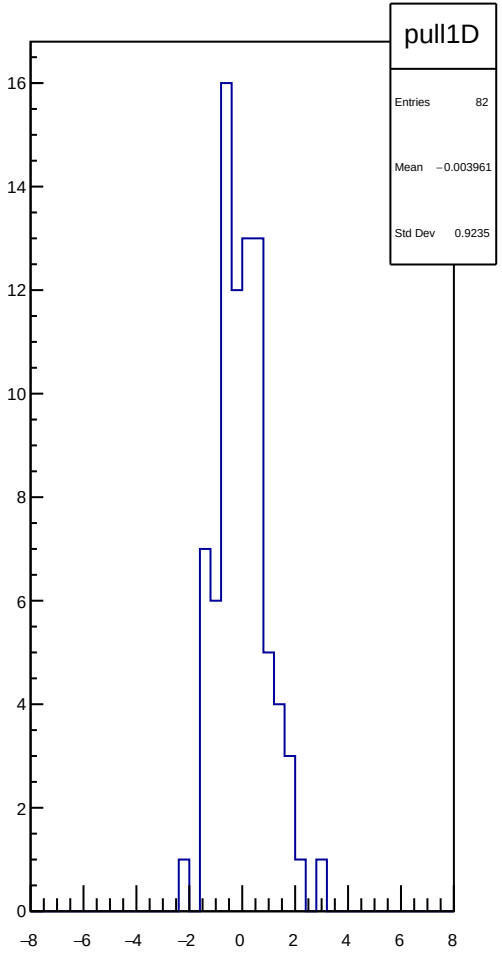

asym_sam7_rms vs run
χ² / ndf 1.843e+04 / 81
p0 744.3 ± 0.5917
1000
950
900
850
800
750
700
650

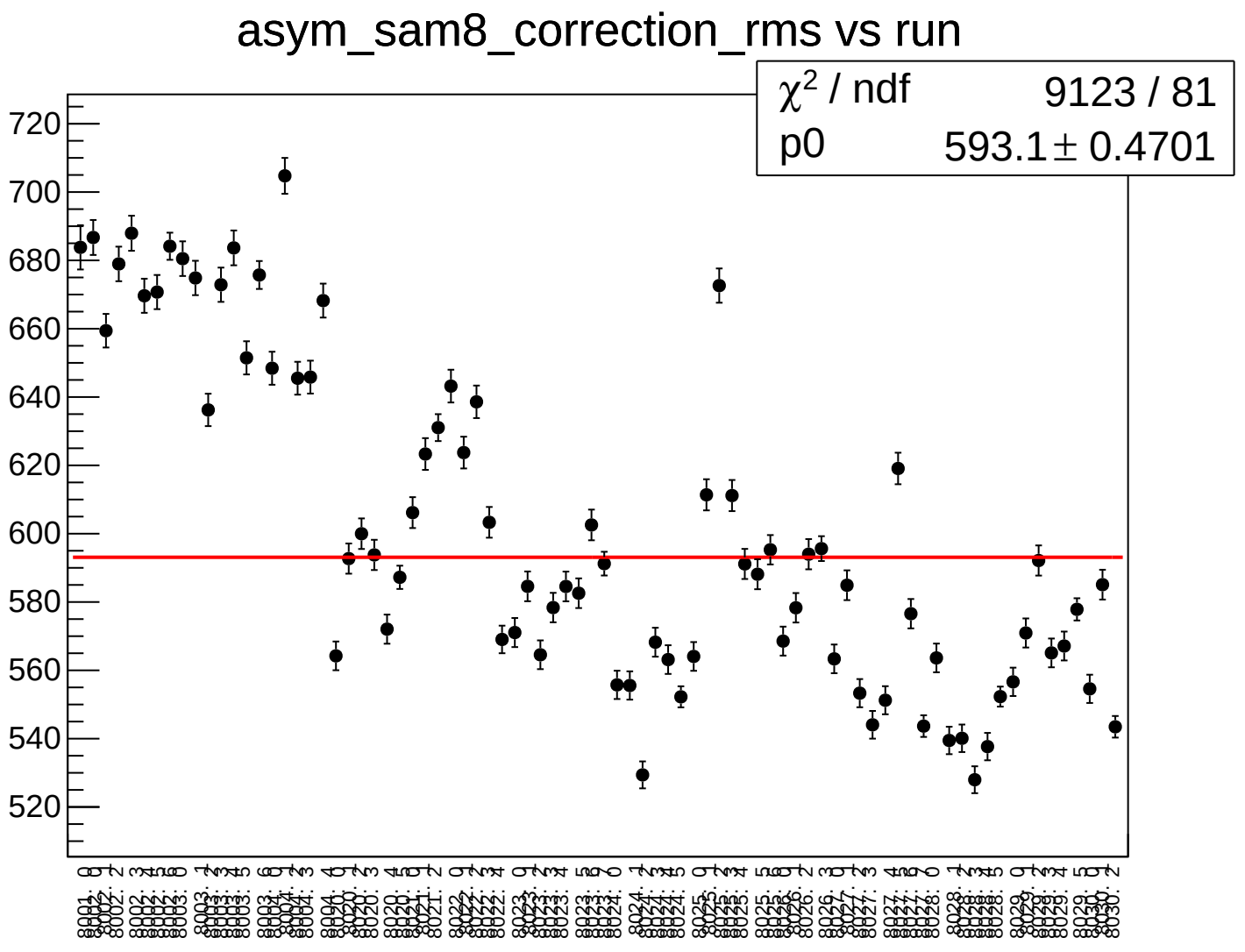

dit_asym_sam8_mean vs run
χ^2 / ndf 69.4 / 81
p0 94.17 ± 106.1
pull
Entries 82
Mean 620.8
Std Dev 582.7

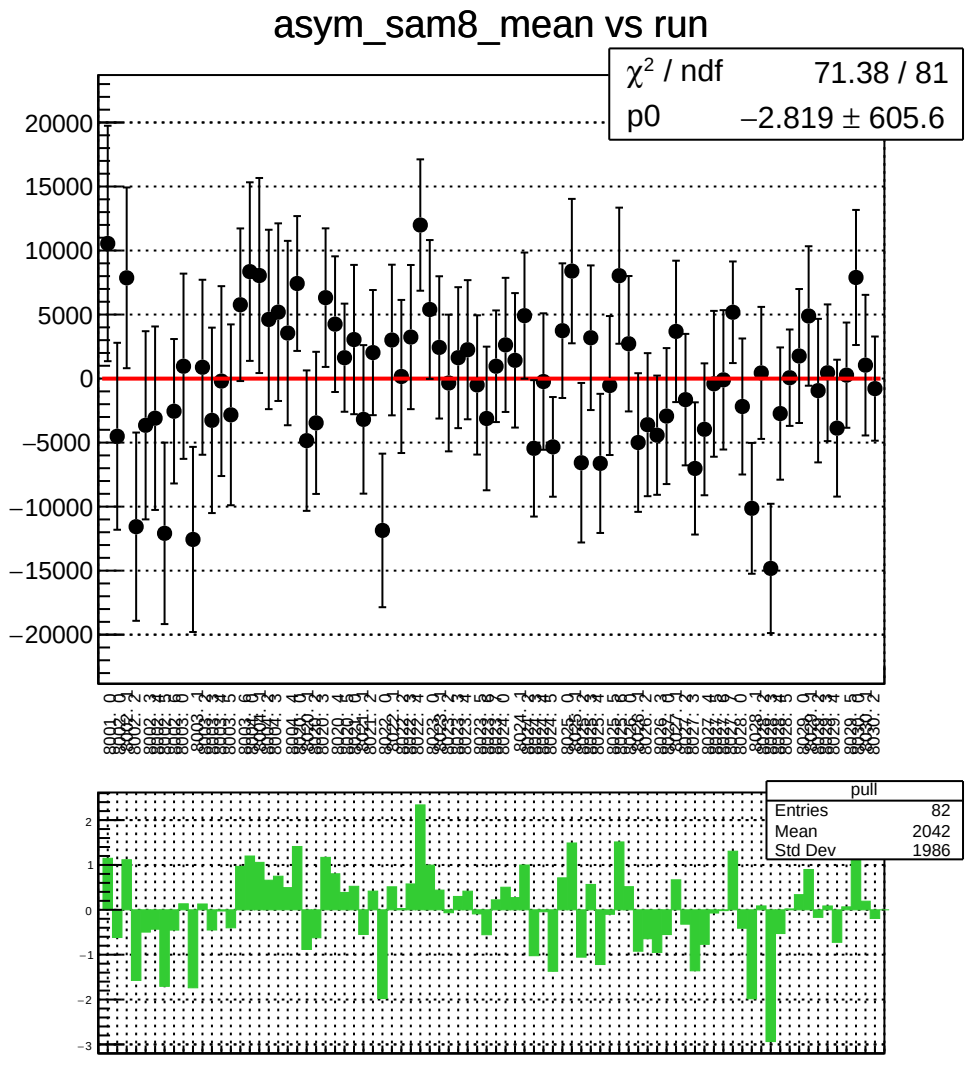

pull1D
Entries 82
Mean 0.01402
Std Dev 0.9199

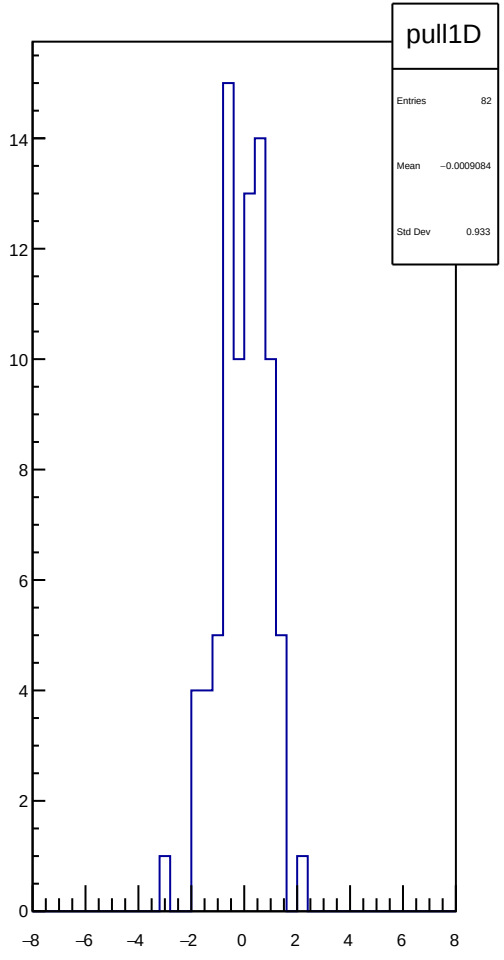

dit_asym_sam8_rms vs run
χ² / ndf 1.91e+04 / 81
p0 94.35 ± 0.07502
120
110
100
90
80

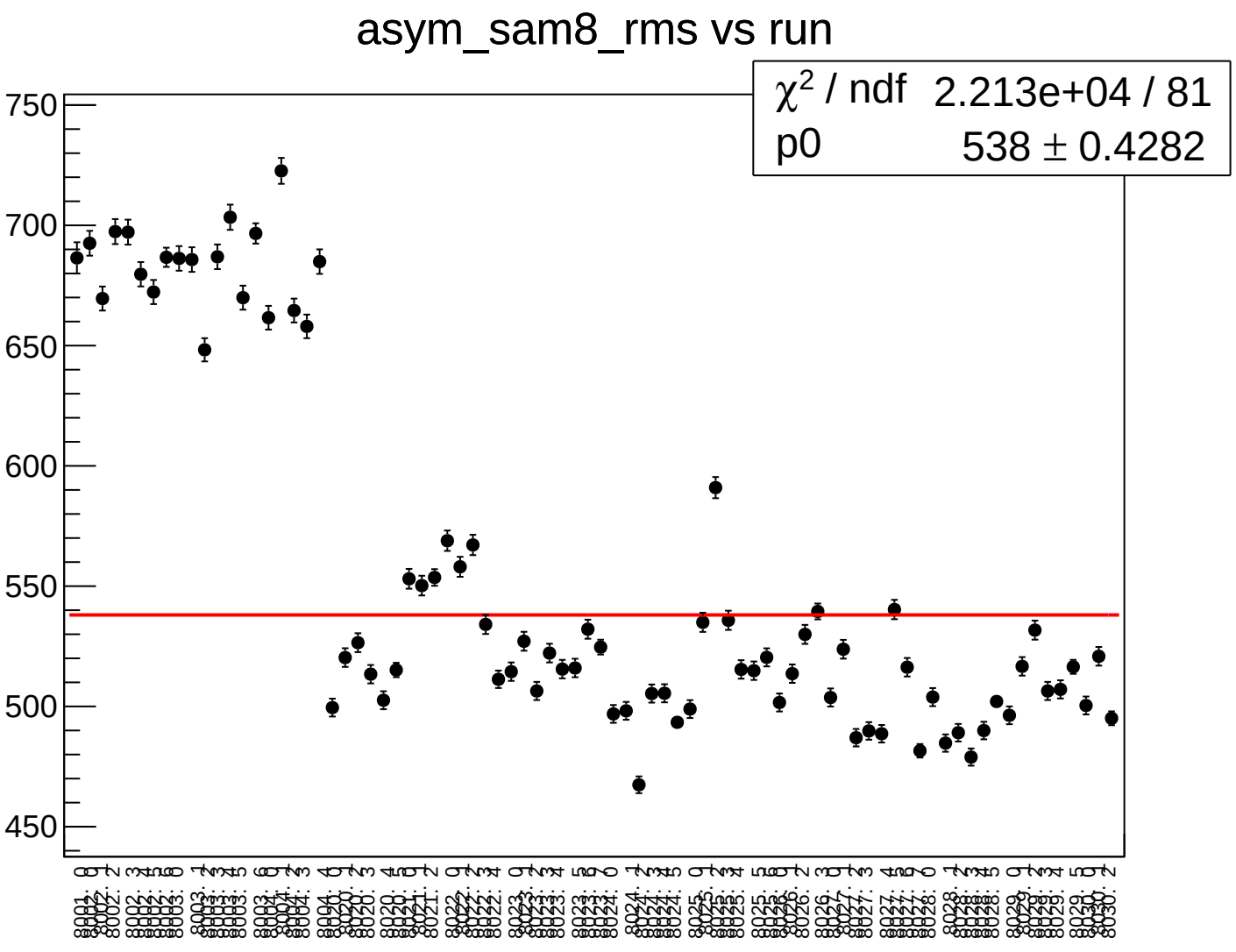

asym_sam8_correction_mean vs run
χ² / ndf 69.93 / 81
p0 185.4 ± 664.8
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −655.5
Std Dev 704.4
3
2
1
0
−1
−2

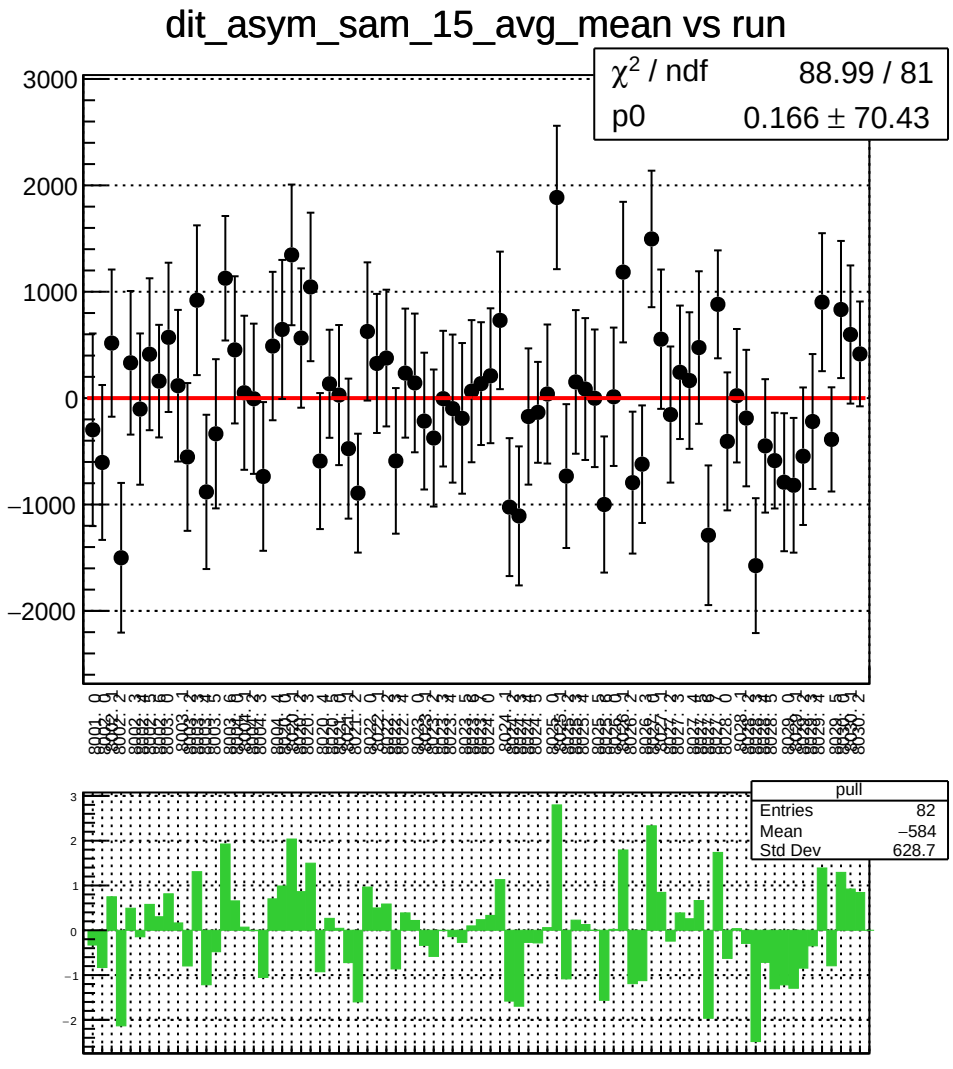

pull1D
Entries 82
Mean −0.003961
Std Dev 0.9235
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

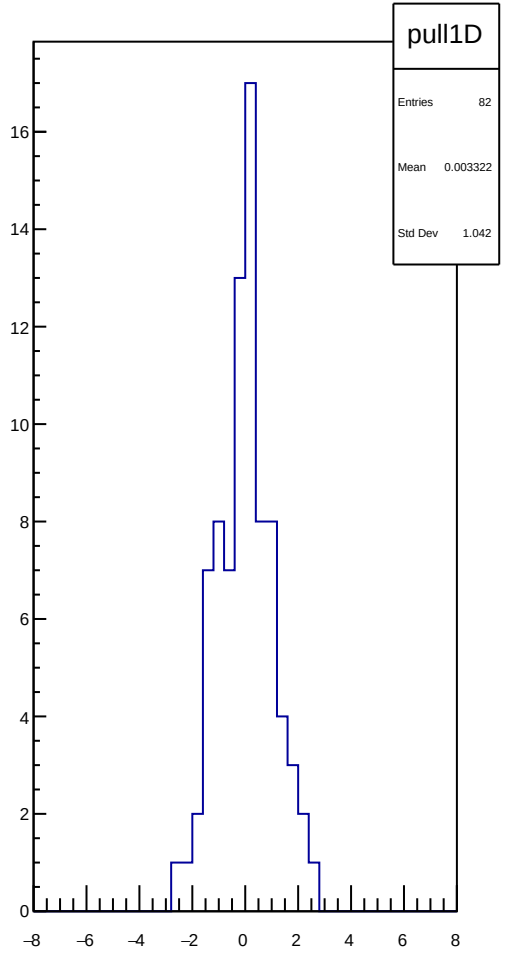

asym_sam8_correction_rms vs run
χ^2 / ndf 9123 / 81
p0 593.1 ± 0.4701
720
700
680
660
640
620
600
580
560
540
520

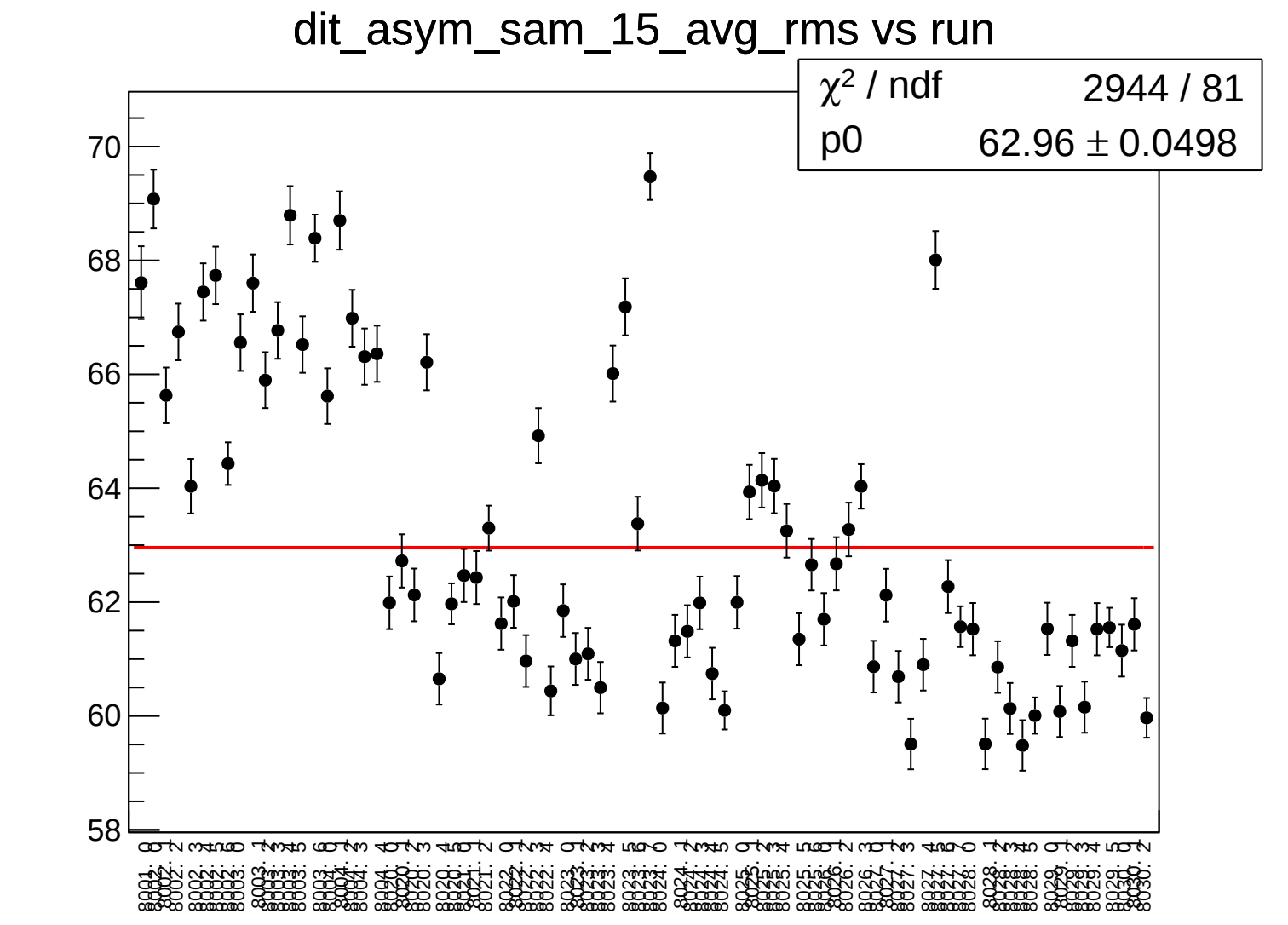

asym_sam8_mean vs run
χ² / ndf 71.38 / 81
p0 −2.819 ± 605.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean 2042
Std Dev 1986
2
1
0
−1
−2
−3

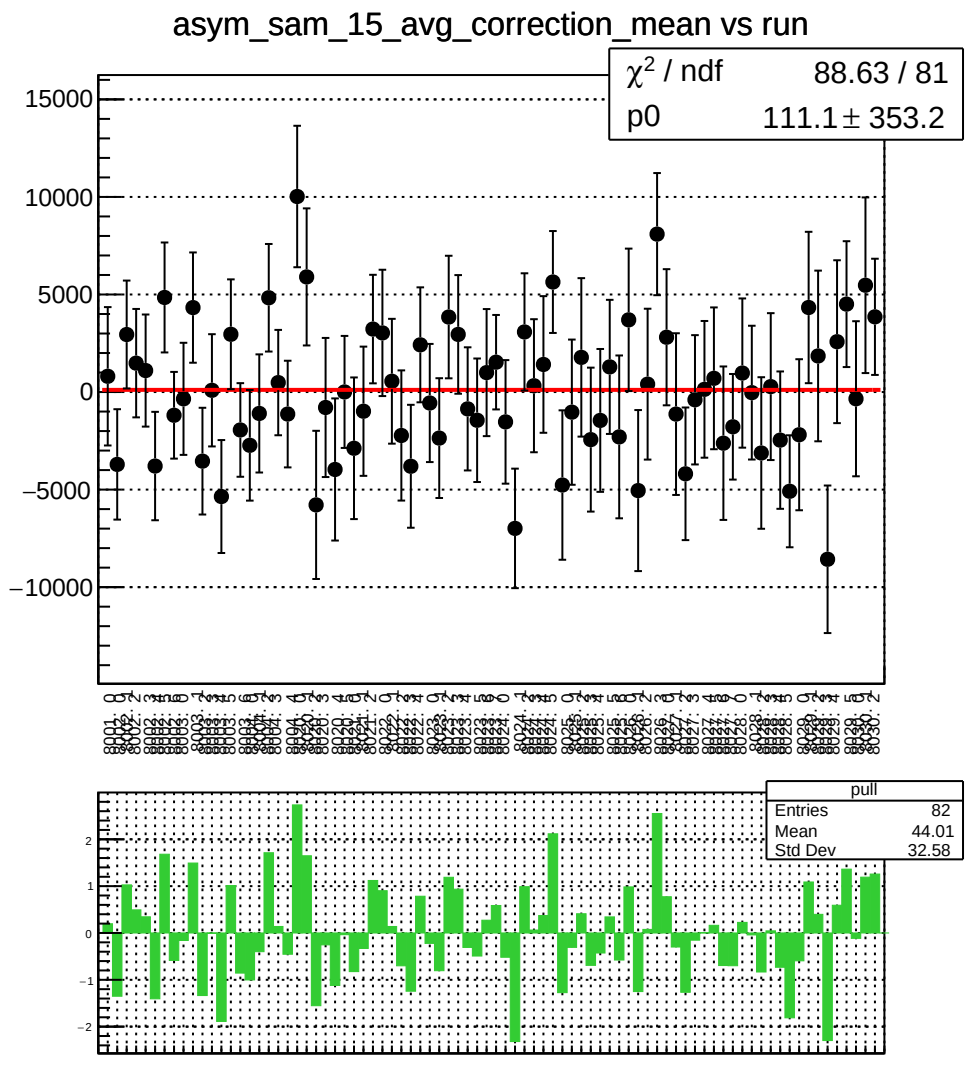

pull1D
Entries 82
Mean −0.0009084
Std Dev 0.933
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

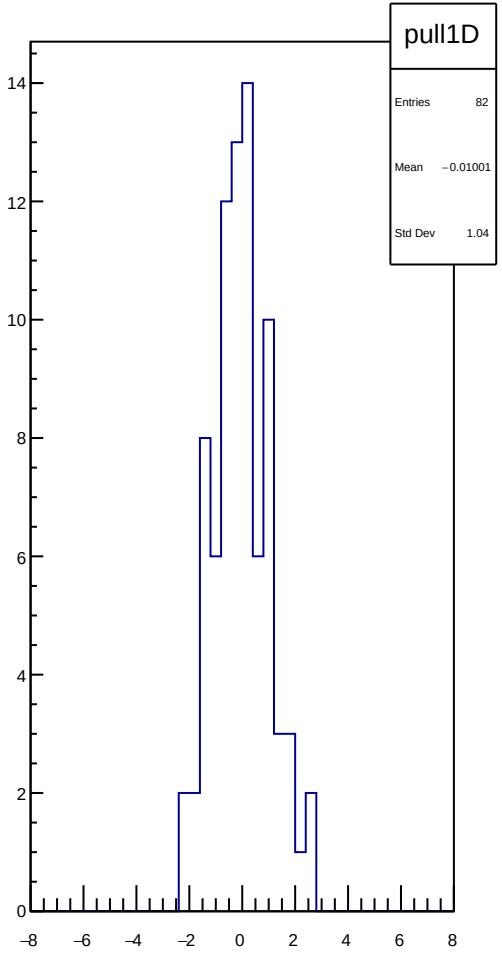

asym_sam8_rms vs run
χ^2 / ndf 2.213e+04 / 81
p0 538 ± 0.4282
750
700
650
600
550
500
450

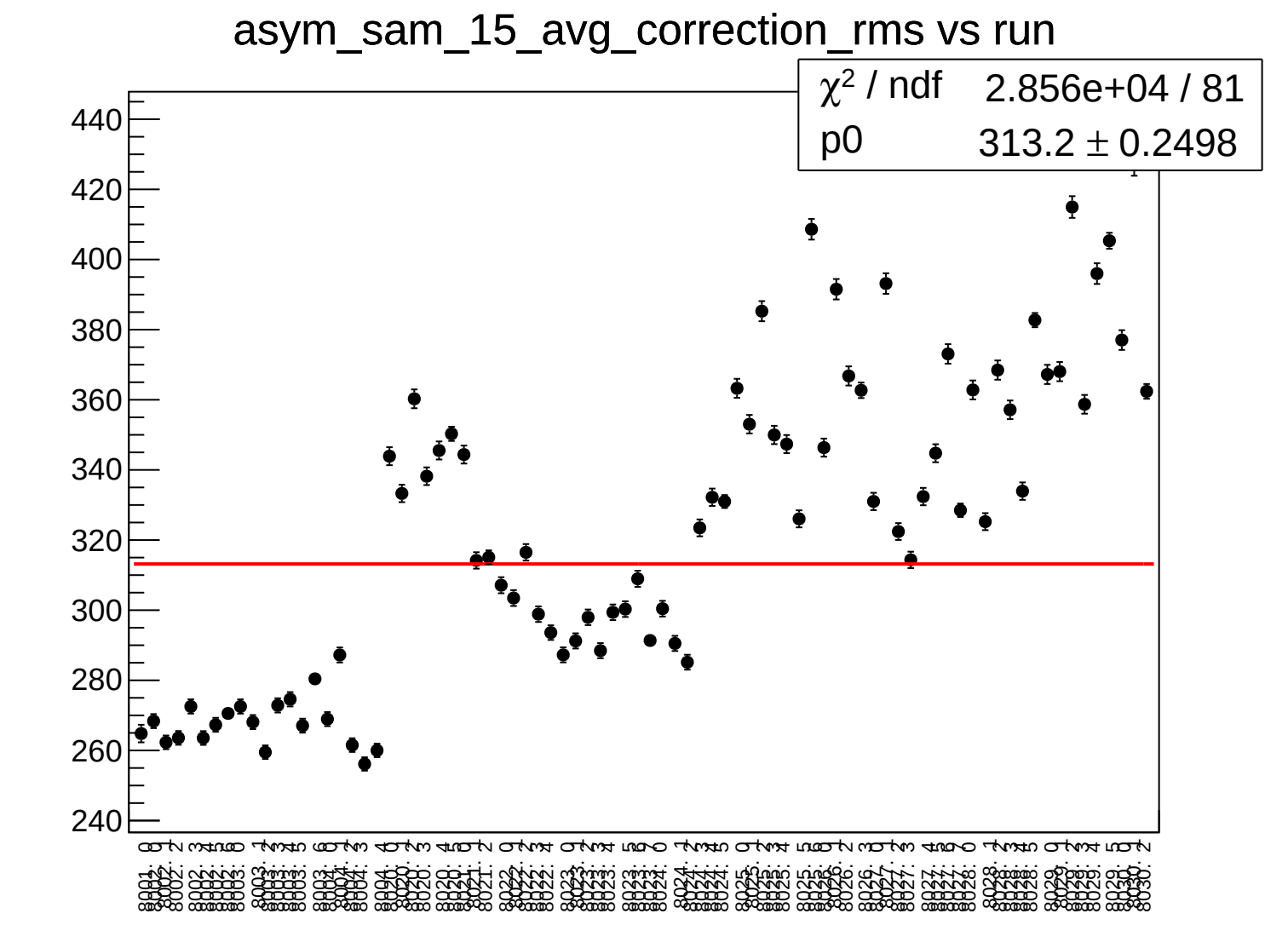

dit_asym_sam_15_avg_mean vs run
χ² / ndf 88.99 / 81
p0 0.166 ± 70.43
3000
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −584
Std Dev 628.7
3
2
1
0
−1
−2

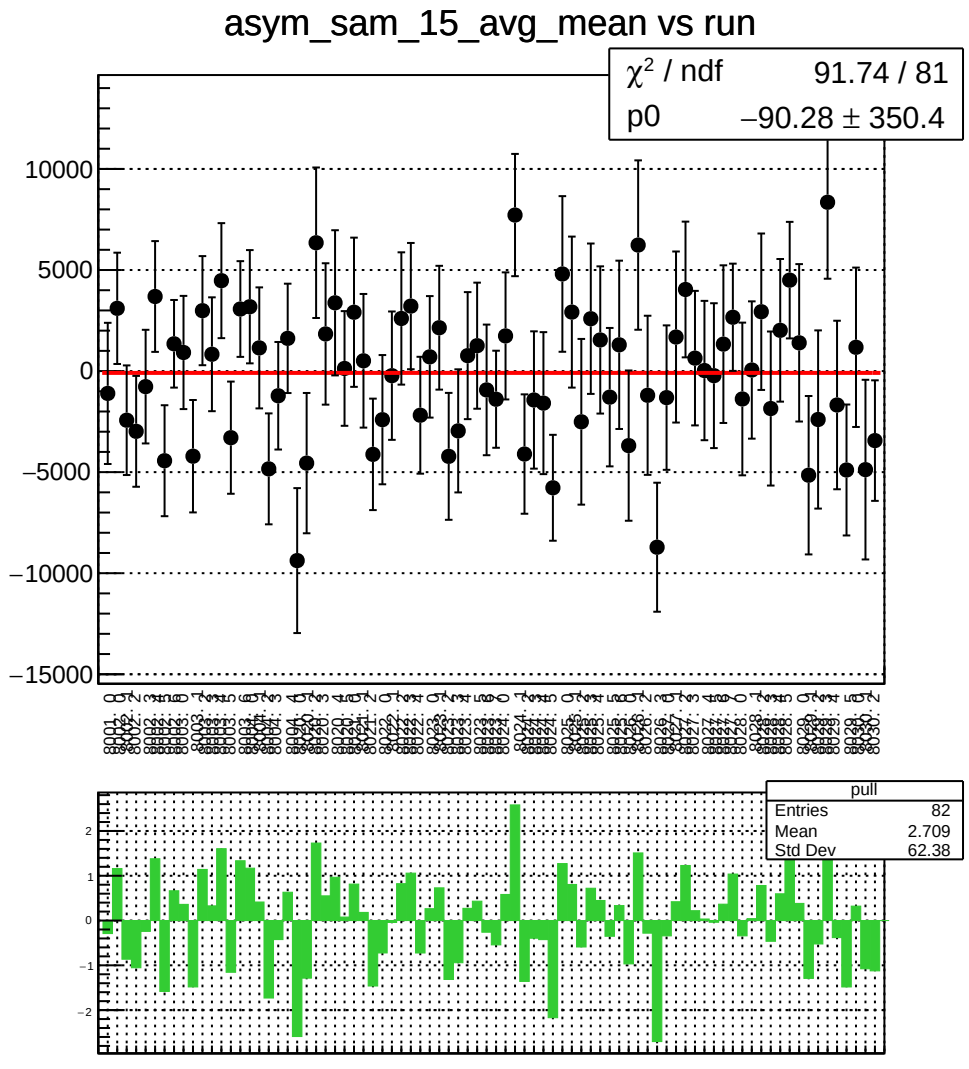

pull1D
Entries 82
Mean 0.003322
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

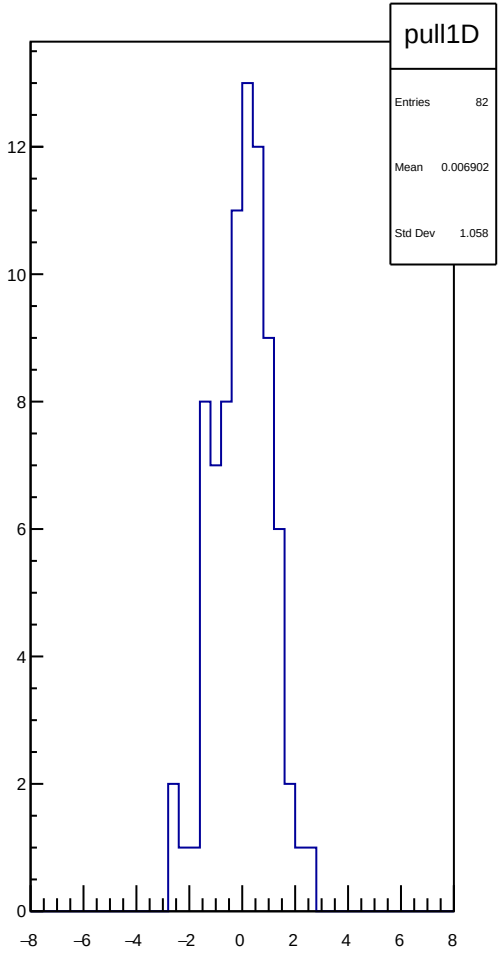

dit_asym_sam_15_avg_rms vs run
χ² / ndf 2944 / 81
p0 62.96 ± 0.0498
70
68
66
64
62
60
58

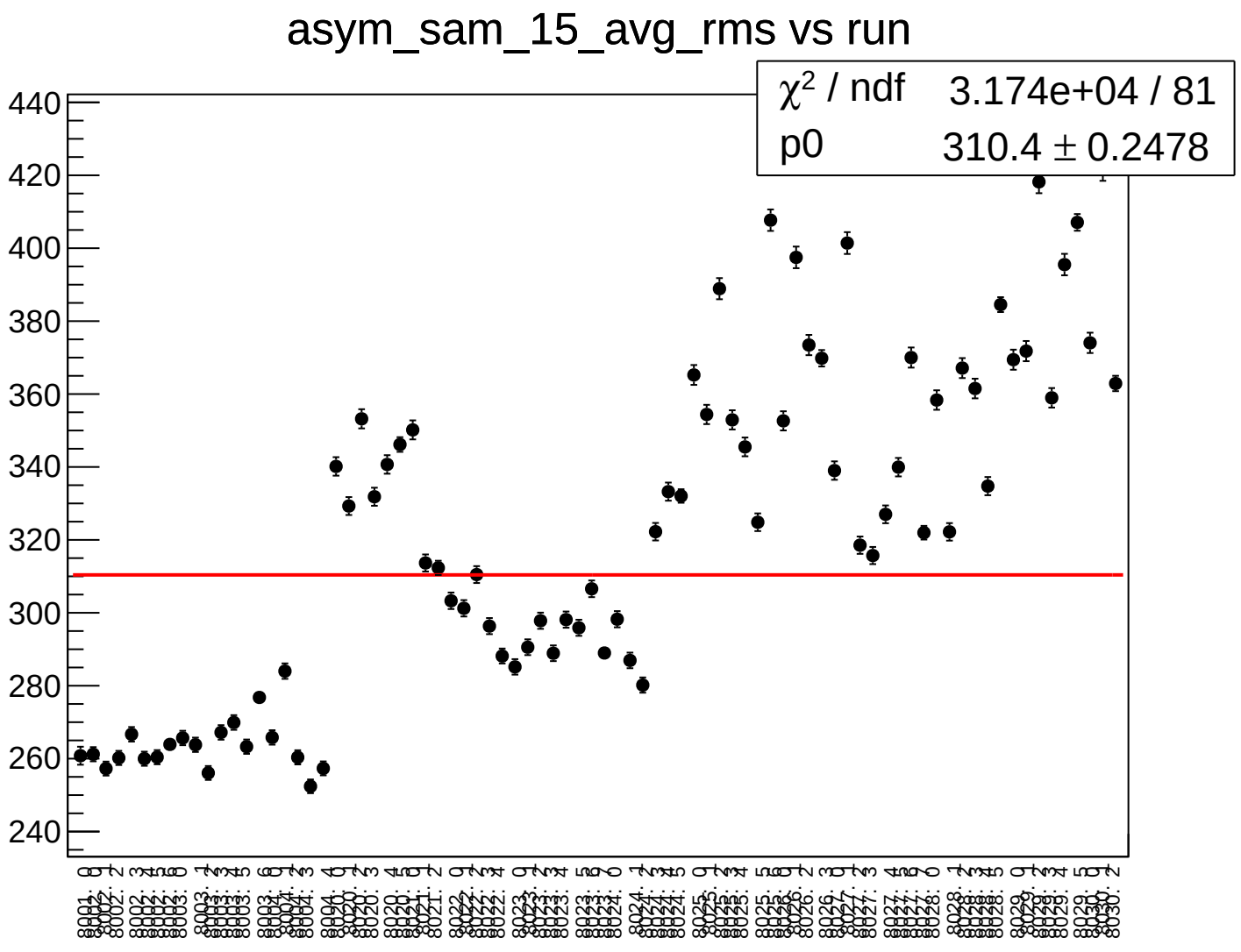

asym_sam_15_avg_correction_mean vs run
χ² / ndf 88.63 / 81
p0 111.1 ± 353.2
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 44.01
Std Dev 32.58
2
1
0
−1
−2

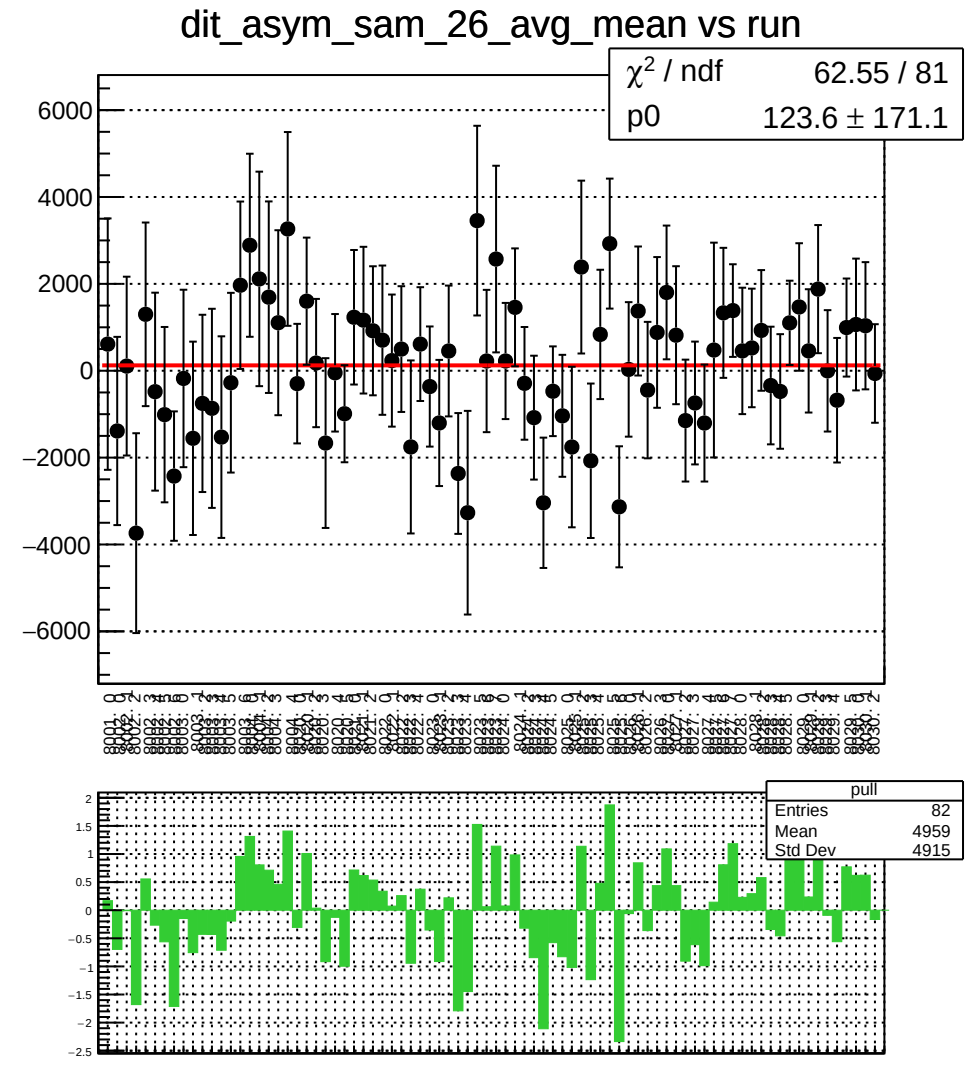

pull1D
Entries 82
Mean −0.01001
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

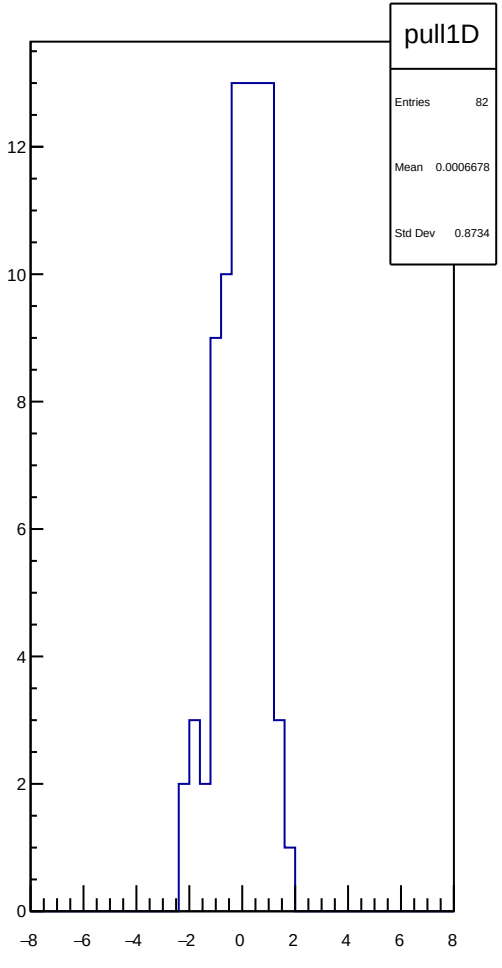

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2.856e+04 / 81
p0 313.2 ± 0.2498
440
420
400
380
360
340
320
300
280
260
240

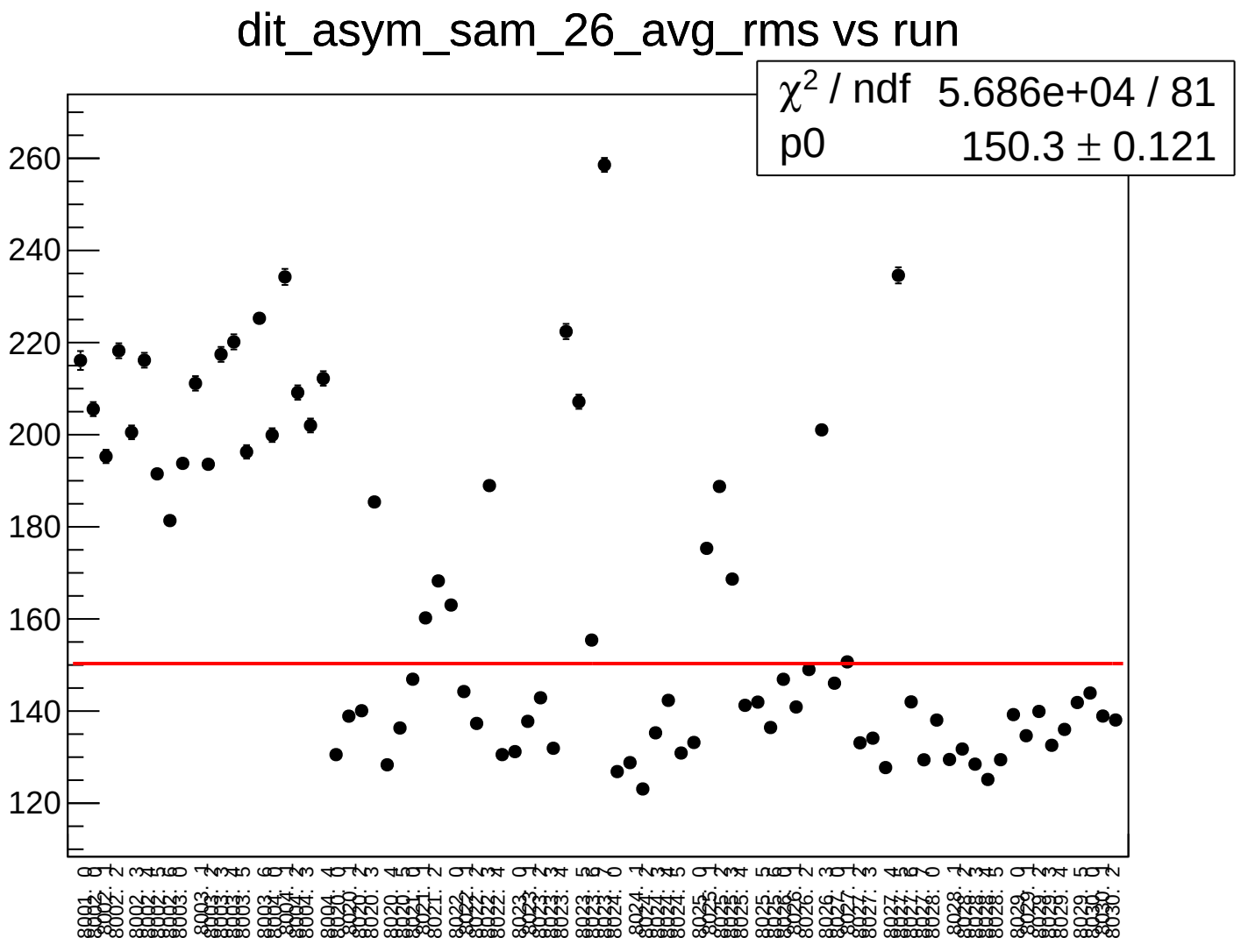

asym_sam_15_avg_mean vs run
χ² / ndf 91.74 / 81
p0 −90.28 ± 350.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 2.709
Std Dev 62.38
2
1
0
−1
−2

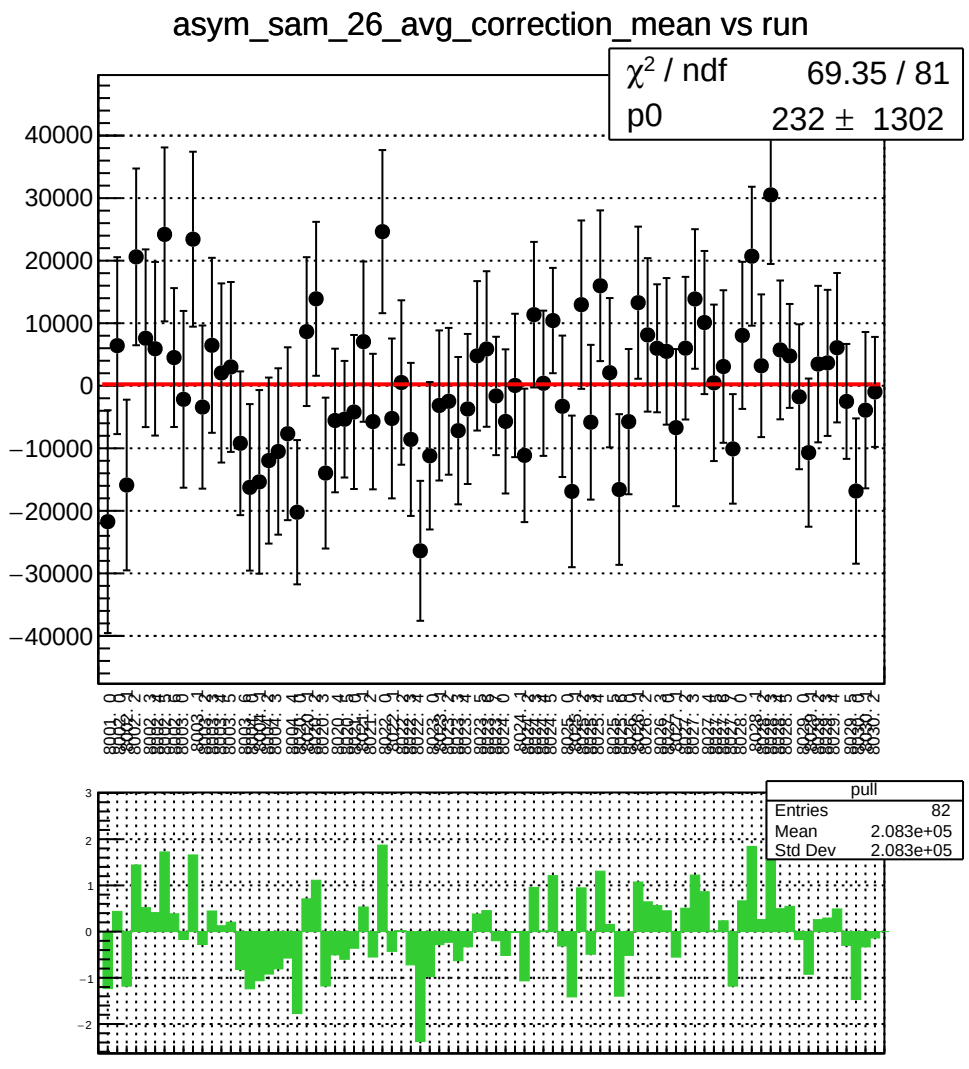

pull1D
Entries 82
Mean 0.006902
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

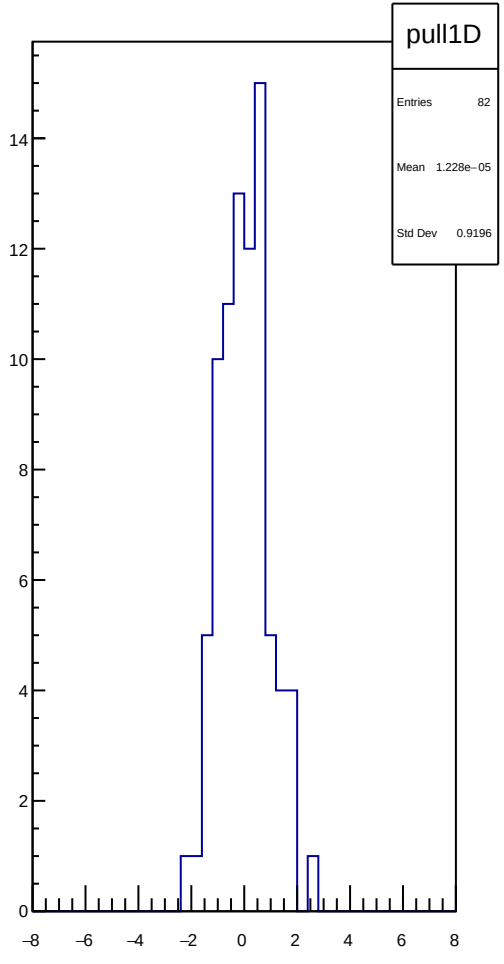

asym_sam_15_avg_rms vs run
χ² / ndf 3.174e+04 / 81
p0 310.4 ± 0.2478
440
420
400
380
360
340
320
300
280
260
240

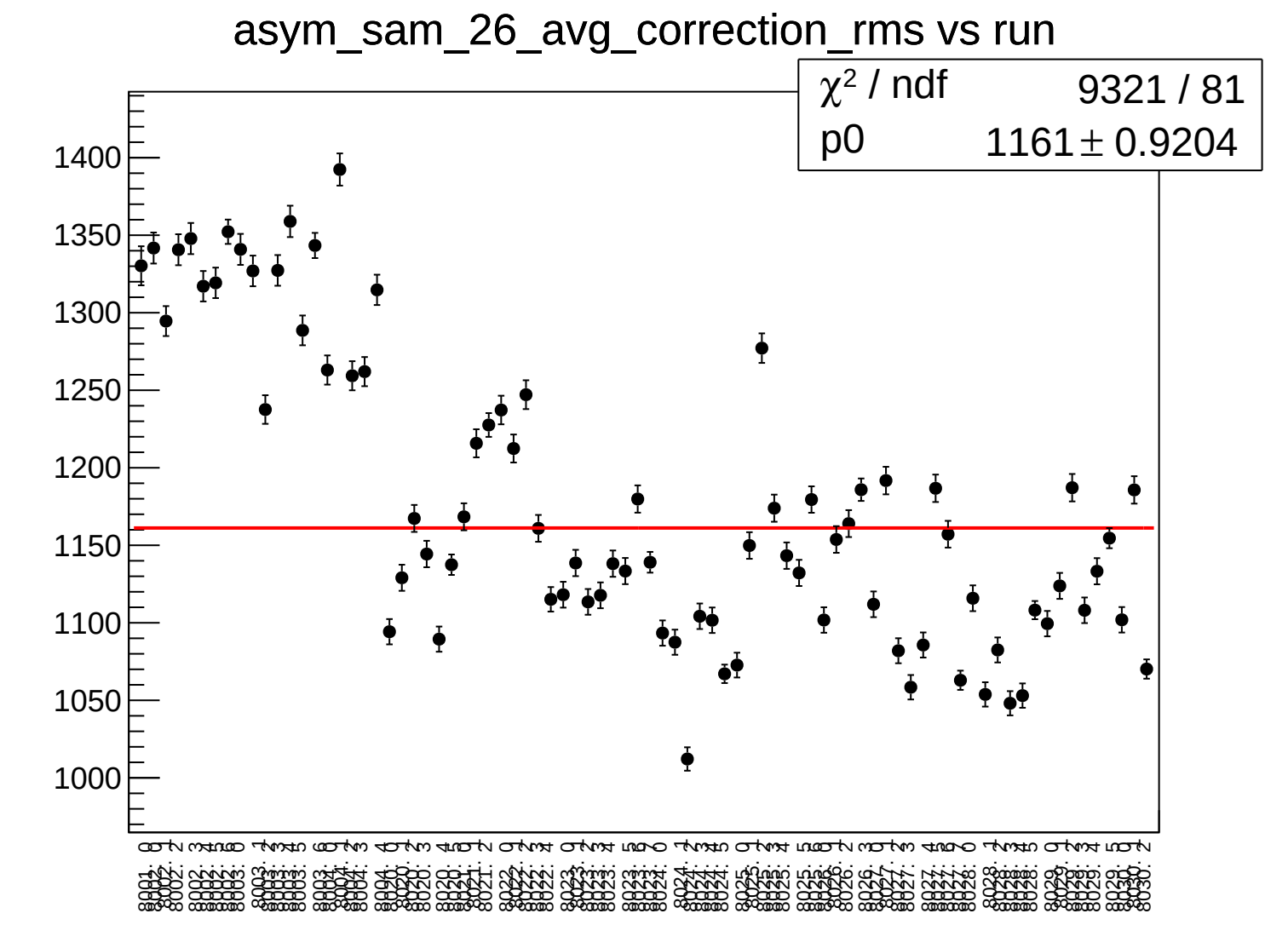

dit_asym_sam_26_avg_mean vs run
χ² / ndf 62.55 / 81
p0 123.6 ± 171.1
pull
Entries 82
Mean 4959
Std Dev 4915

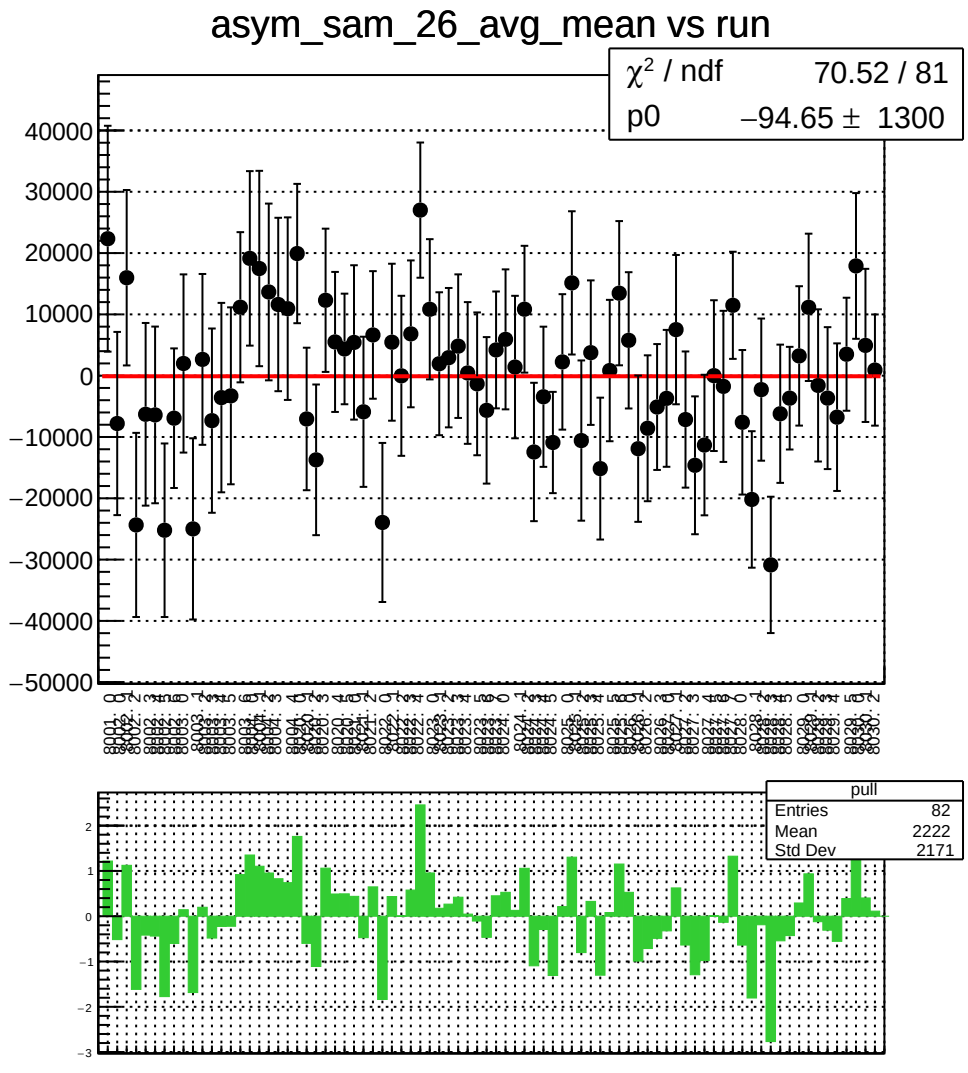

pull1D
Entries 82
Mean 0.0006678
Std Dev 0.8734

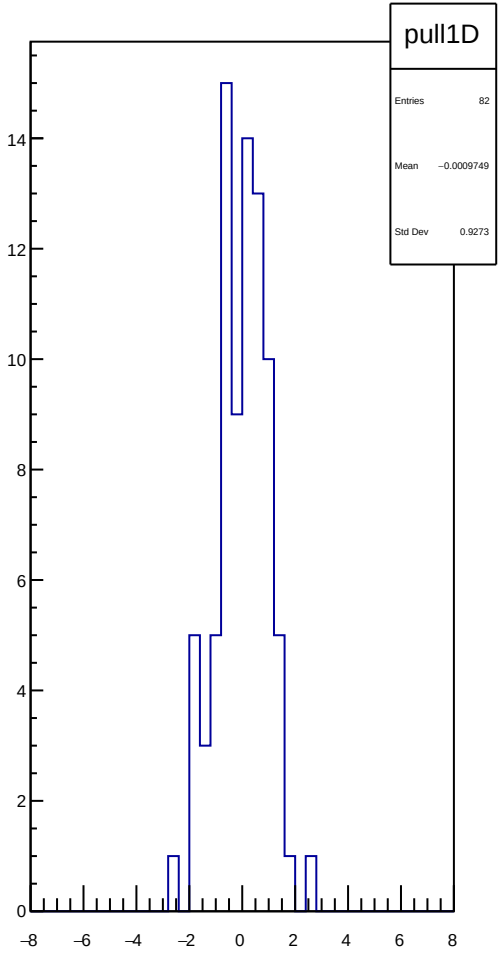

dit_asym_sam_26_avg_rms vs run
χ² / ndf 5.686e+04 / 81
p0 150.3 ± 0.121
260
240
220
200
180
160
140
120

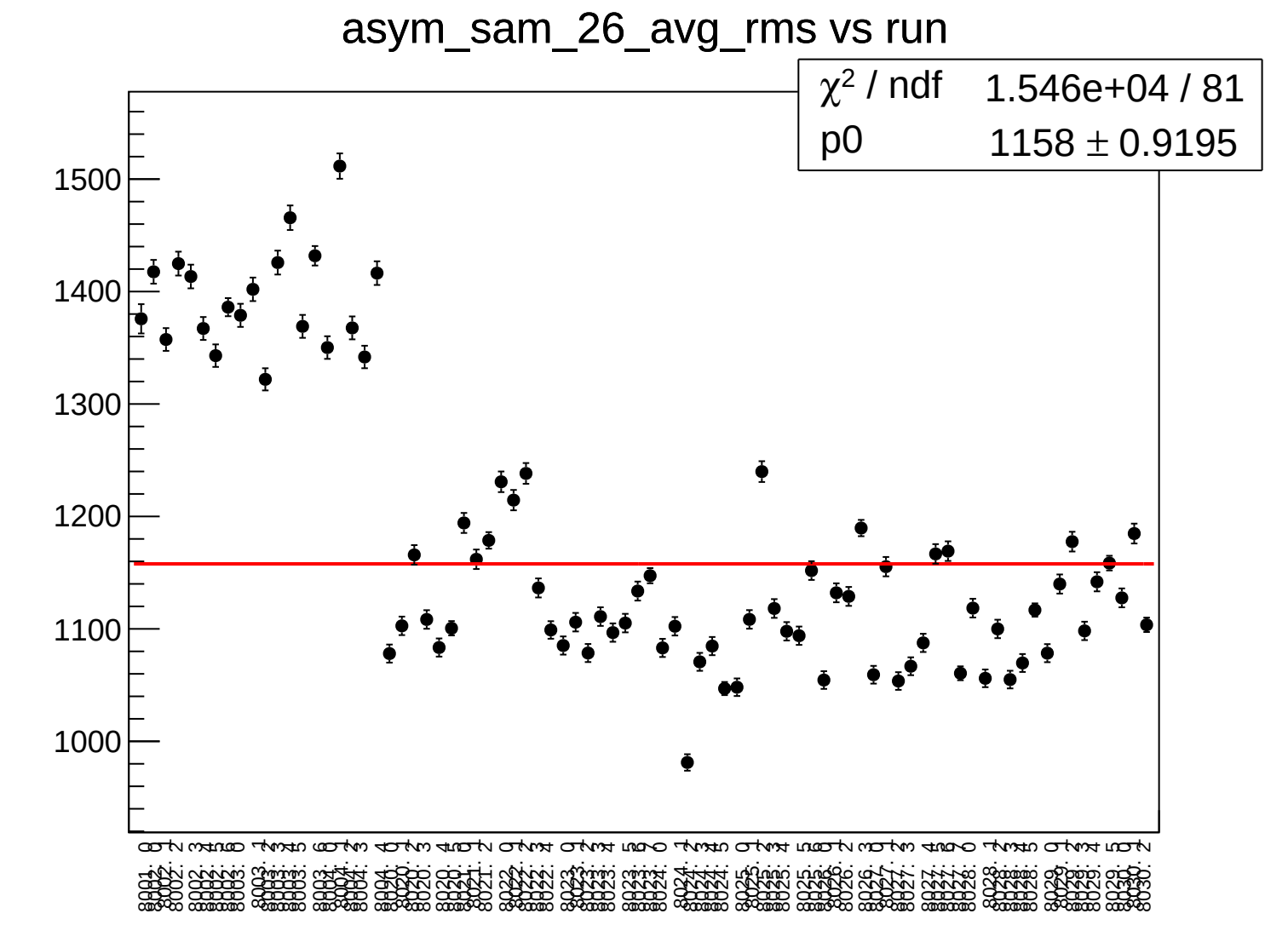

asym_sam_26_avg_correction_mean vs run
χ² / ndf 69.35 / 81
p0 232 ± 1302
pull
Entries 82
Mean 2.083e+05
Std Dev 2.083e+05

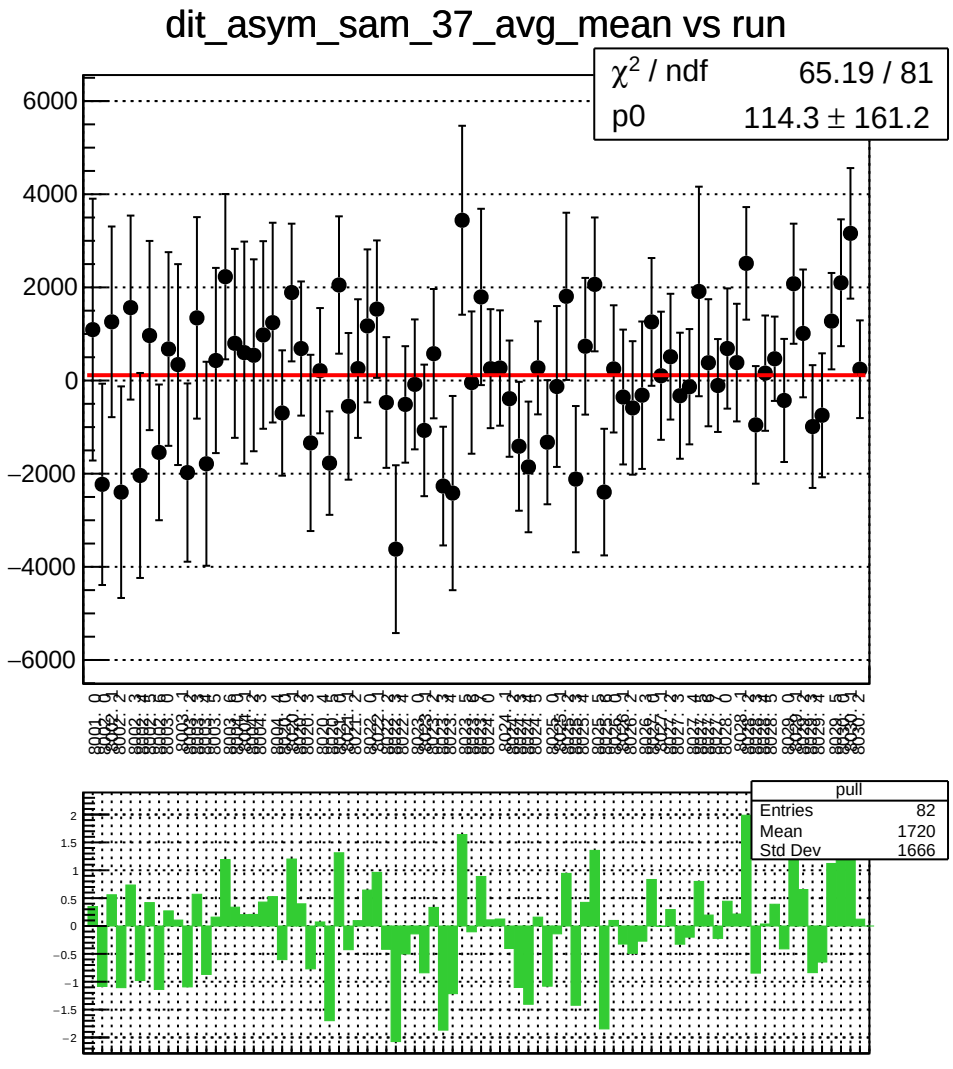

pull1D
Entries 82
Mean 1.228e−05
Std Dev 0.9196

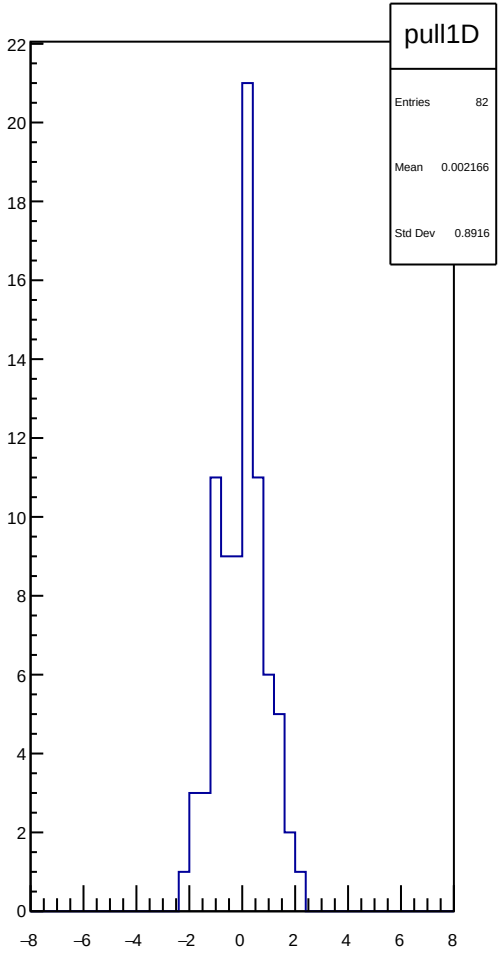

asym_sam_26_avg_correction_rms vs run
χ² / ndf 9321 / 81
p0 1161 ± 0.9204
1400
1350
1300
1250
1200
1150
1100
1050
1000

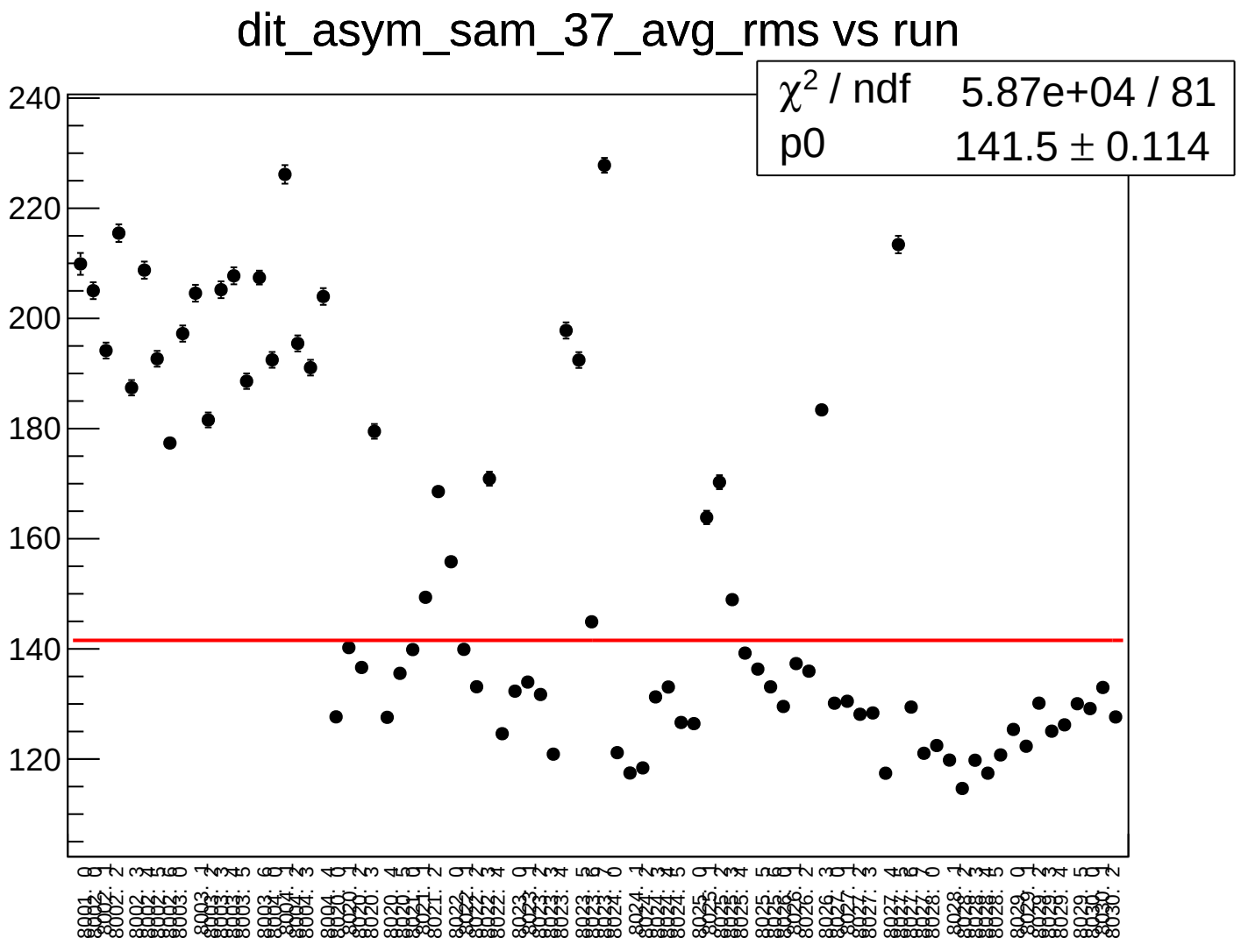

asym_sam_26_avg_mean vs run
χ² / ndf 70.52 / 81
p0 −94.65 ± 1300
pull
Entries 82
Mean 2222
Std Dev 2171

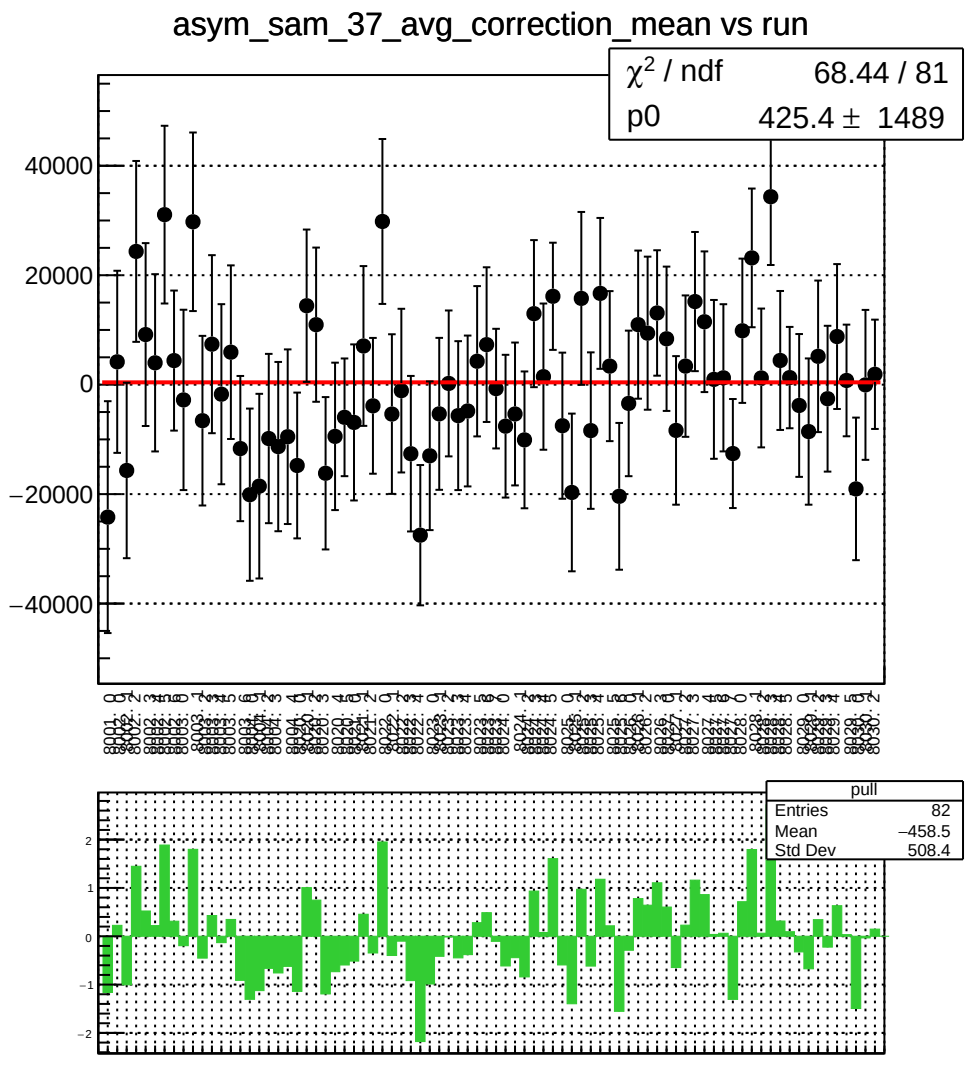

pull1D
Entries 82
Mean −0.0009749
Std Dev 0.9273

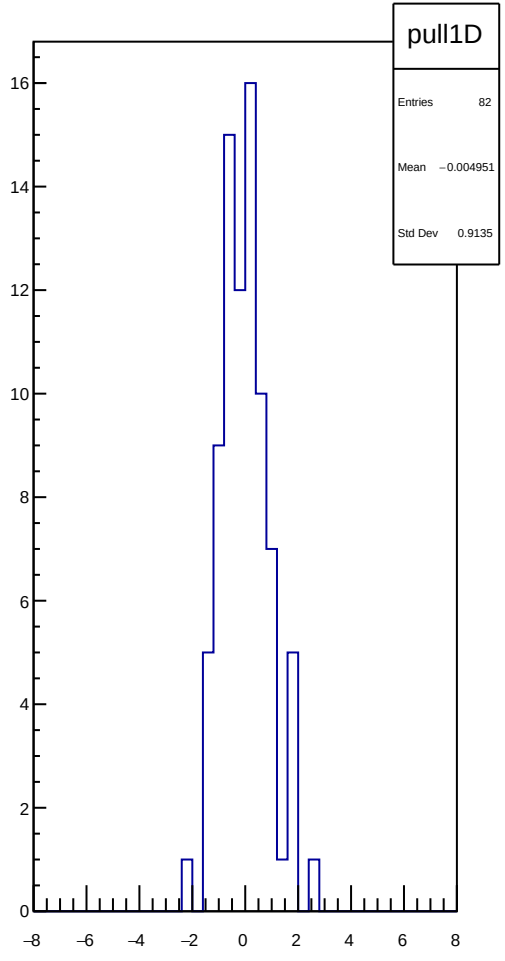

asym_sam_26_avg_rms vs run
χ² / ndf 1.546e+04 / 81
p0 1158 ± 0.9195
1500
1400
1300
1200
1100
1000

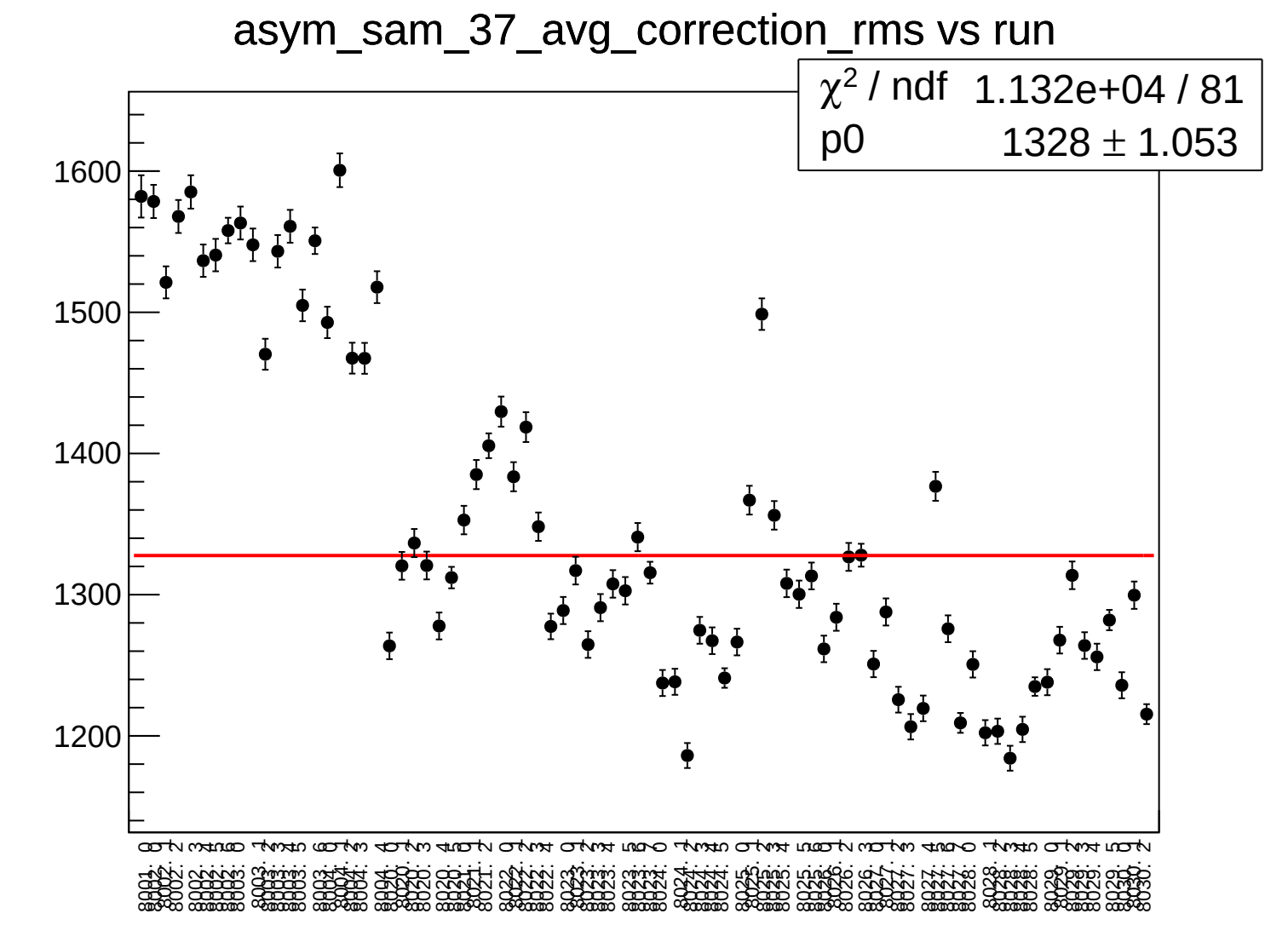

dit_asym_sam_37_avg_mean vs run
χ² / ndf 65.19 / 81
p0 114.3 ± 161.2
pull
Entries 82
Mean 1720
Std Dev 1666

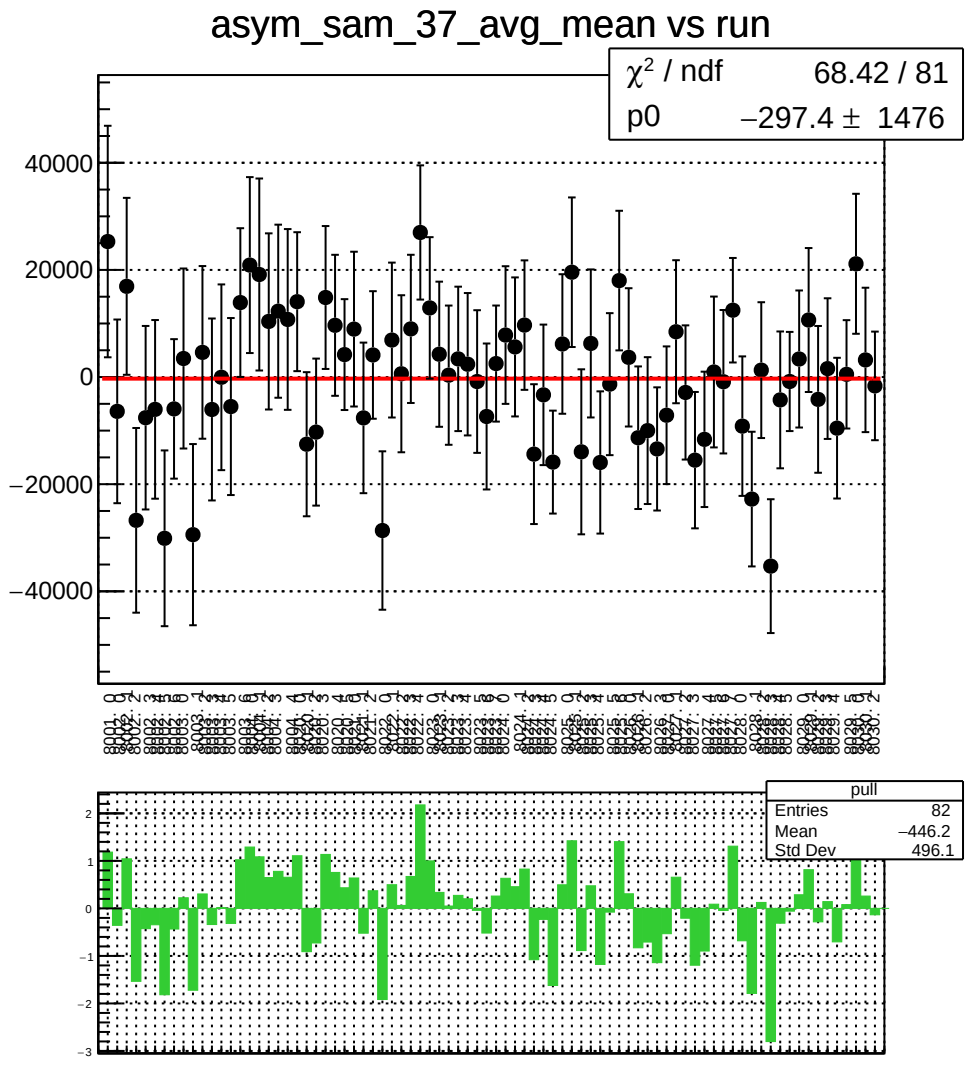

pull1D
Entries 82
Mean 0.002166
Std Dev 0.8916

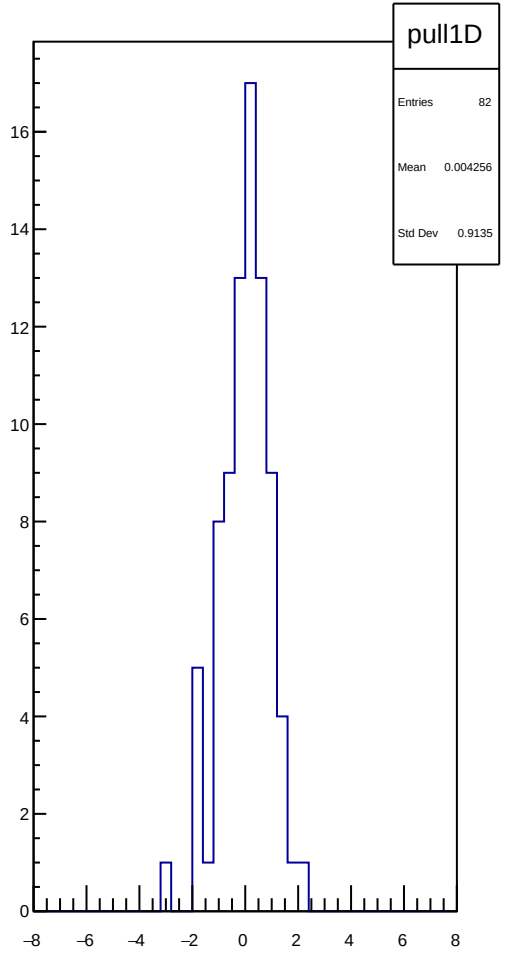

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.87e+04 / 81
p0 141.5 ± 0.114
240
220
200
180
160
140
120

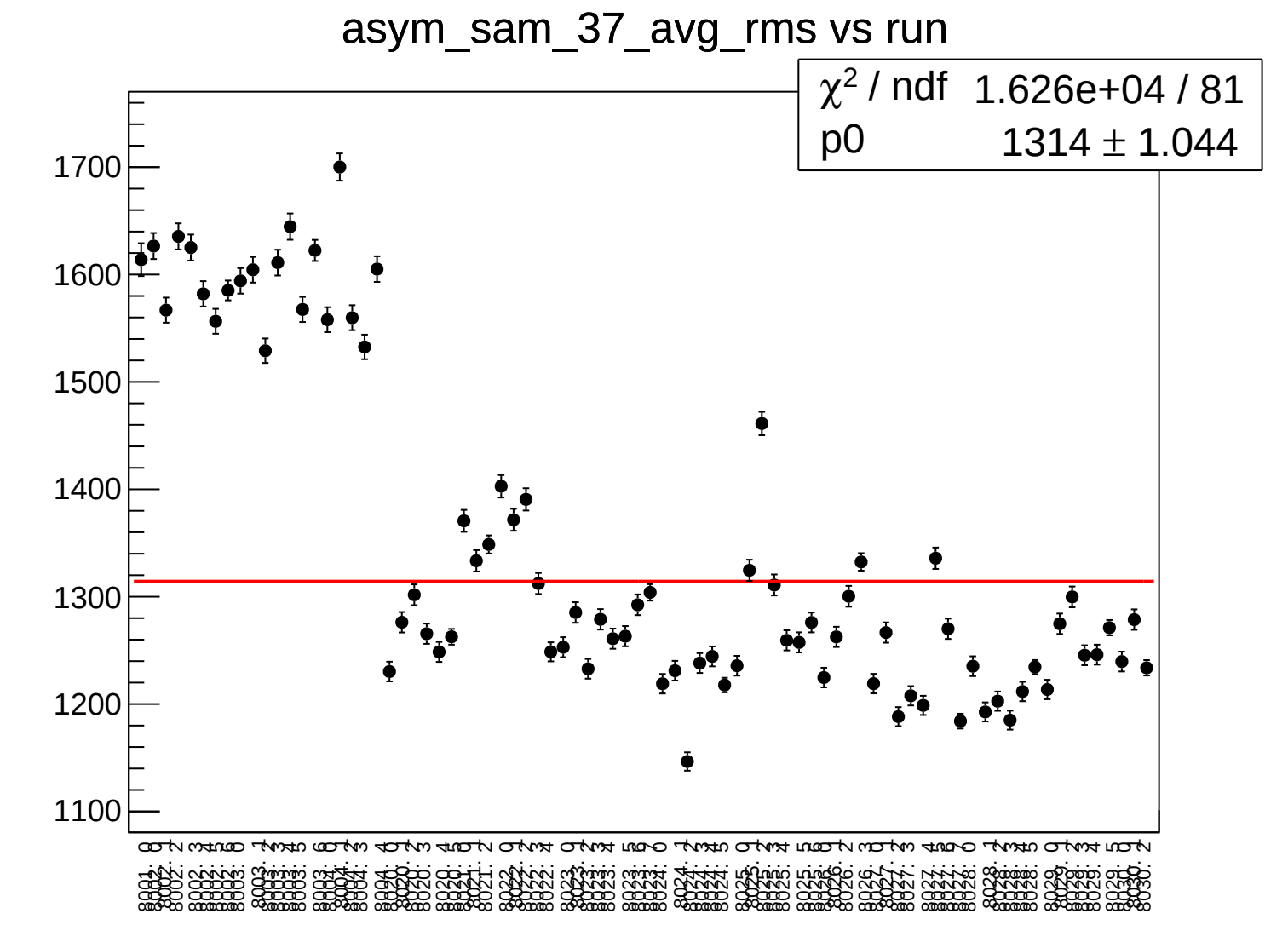

asym_sam_37_avg_correction_mean vs run
χ² / ndf 68.44 / 81
p0 425.4 ± 1489
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −458.5
Std Dev 508.4
2
1
0
−1
−2

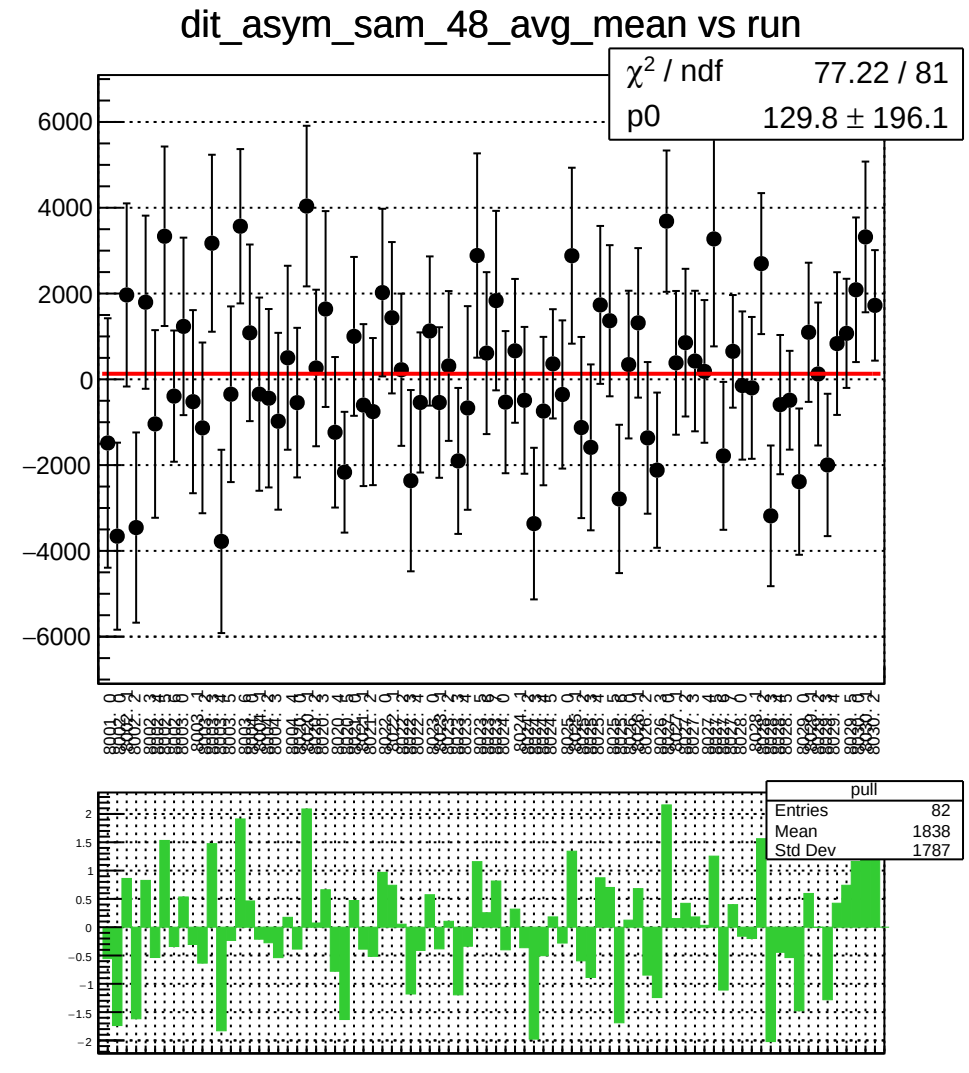

pull1D
Entries 82
Mean −0.004951
Std Dev 0.9135
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

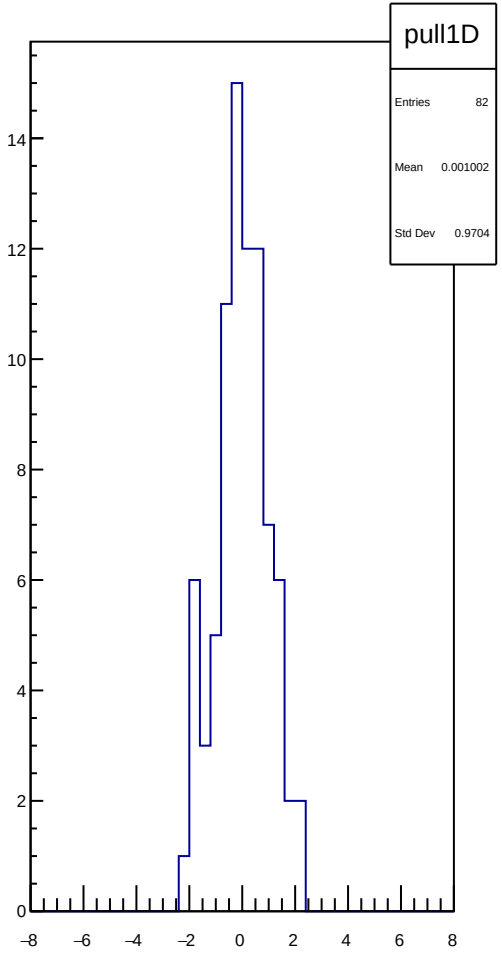

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.132e+04 / 81
p0 1328 ± 1.053
1600
1500
1400
1300
1200

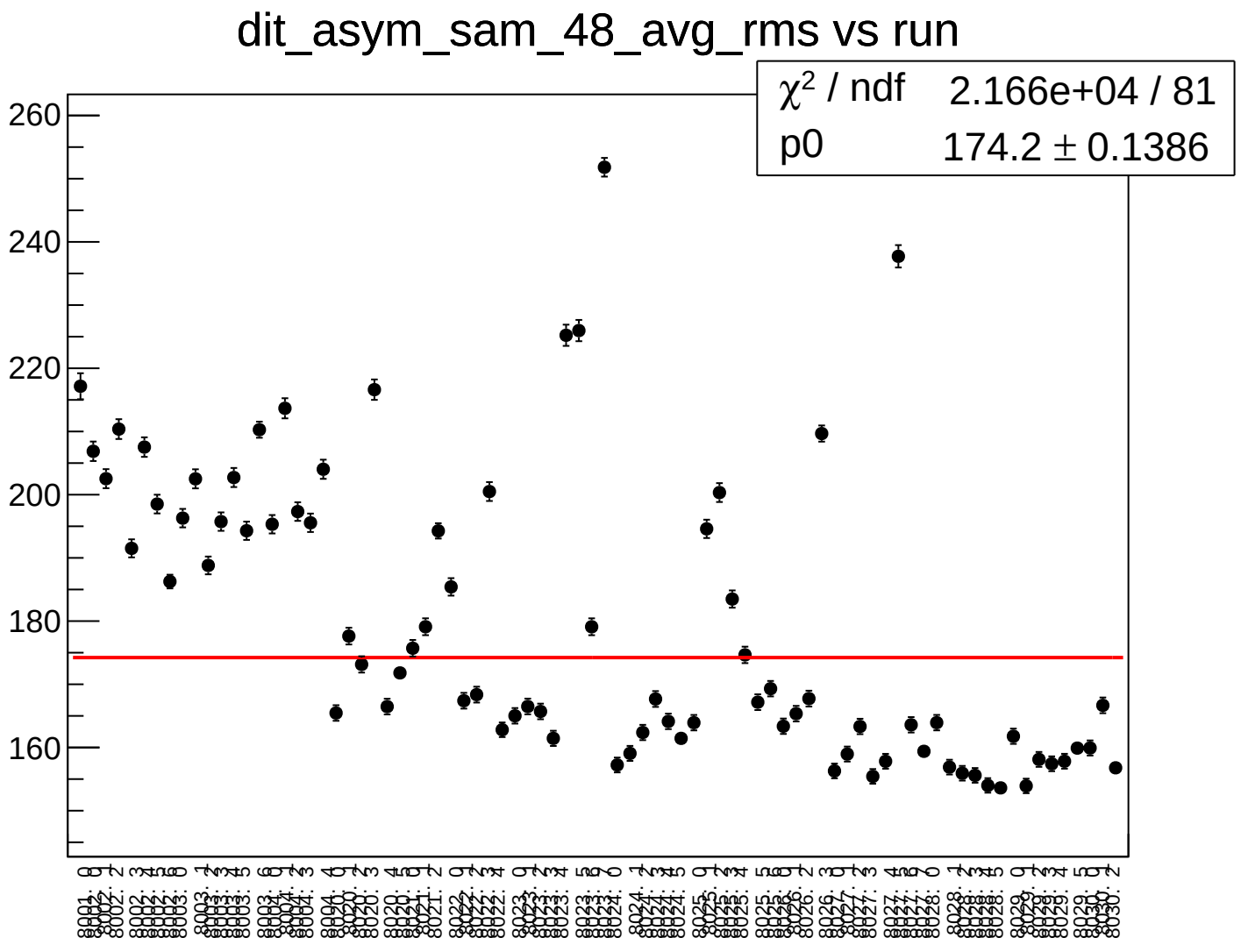

asym_sam_37_avg_mean vs run
χ² / ndf 68.42 / 81
p0 −297.4 ± 1476
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −446.2
Std Dev 496.1
2
1
0
−1
−2
−3

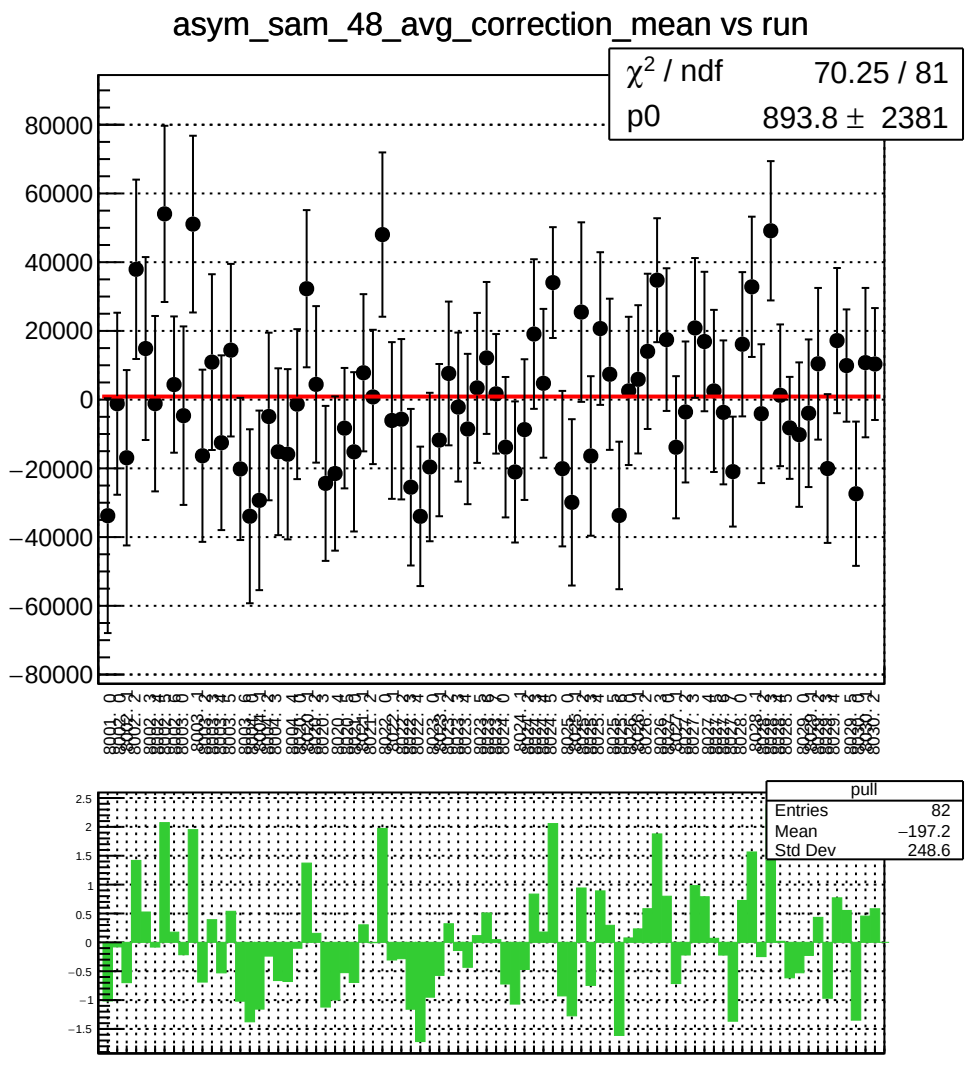

pull1D
Entries 82
Mean 0.004256
Std Dev 0.9135
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

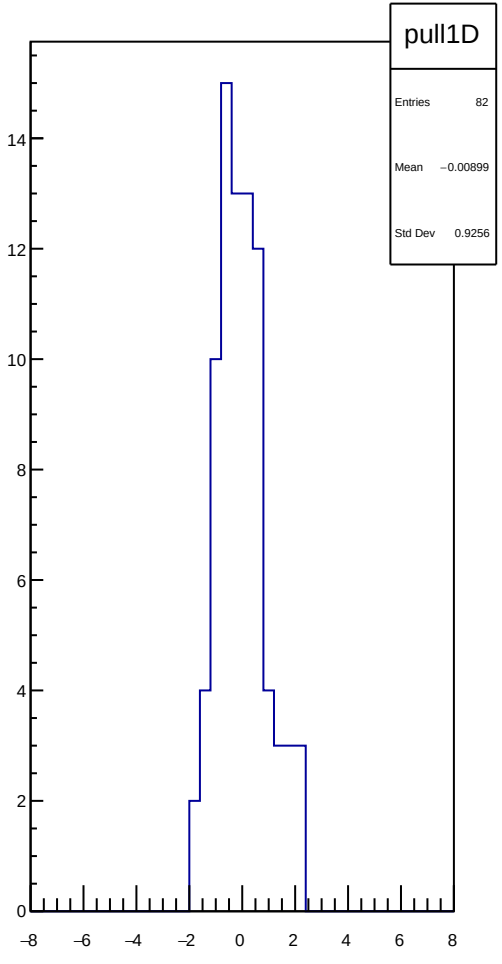

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.626e+04 / 81
p0 1314 ± 1.044
1700
1600
1500
1400
1300
1200
1100

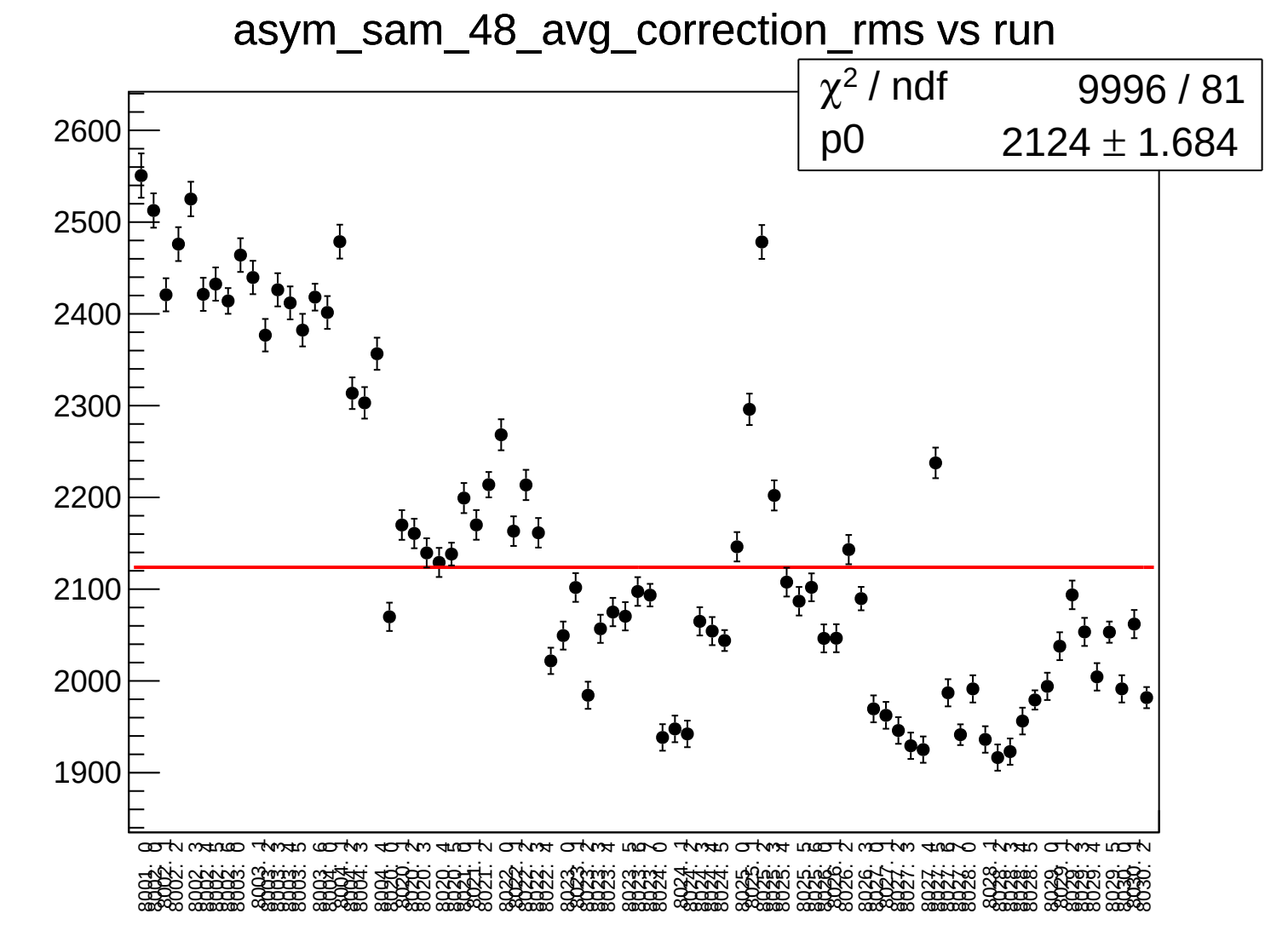

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 77.22 / 81
p0 129.8 ± 196.1
pull
Entries 82
Mean 1838
Std Dev 1787

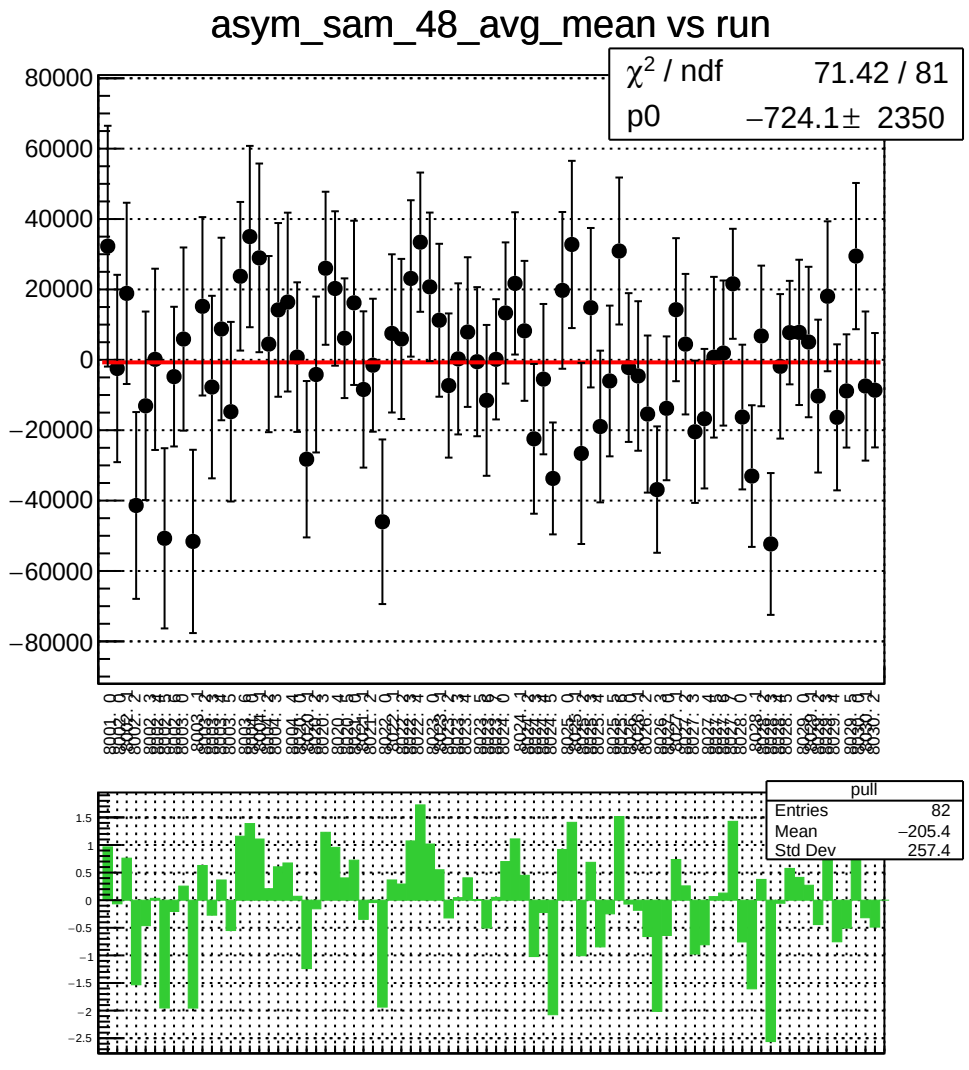

pull1D
Entries 82
Mean 0.001002
Std Dev 0.9704

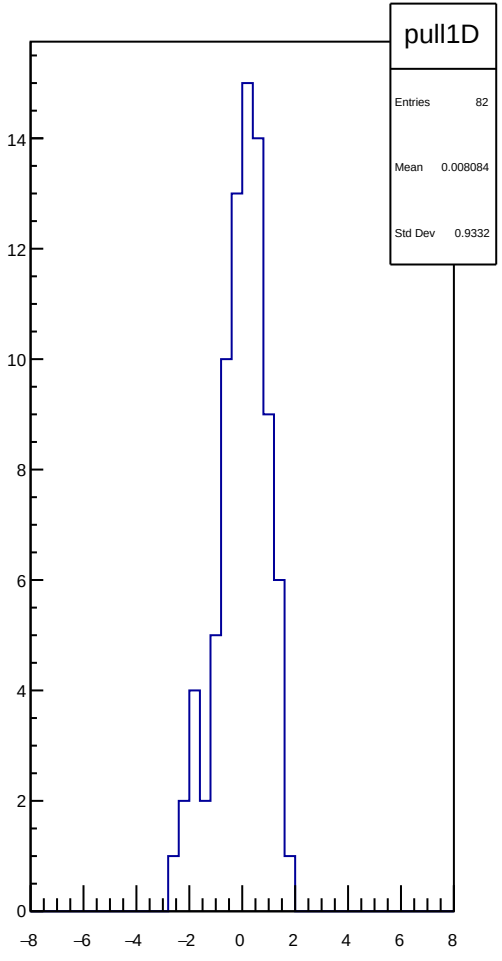

dit_asym_sam_48_avg_rms vs run
χ² / ndf 2.166e+04 / 81
p0 174.2 ± 0.1386
260
240
220
200
180
160

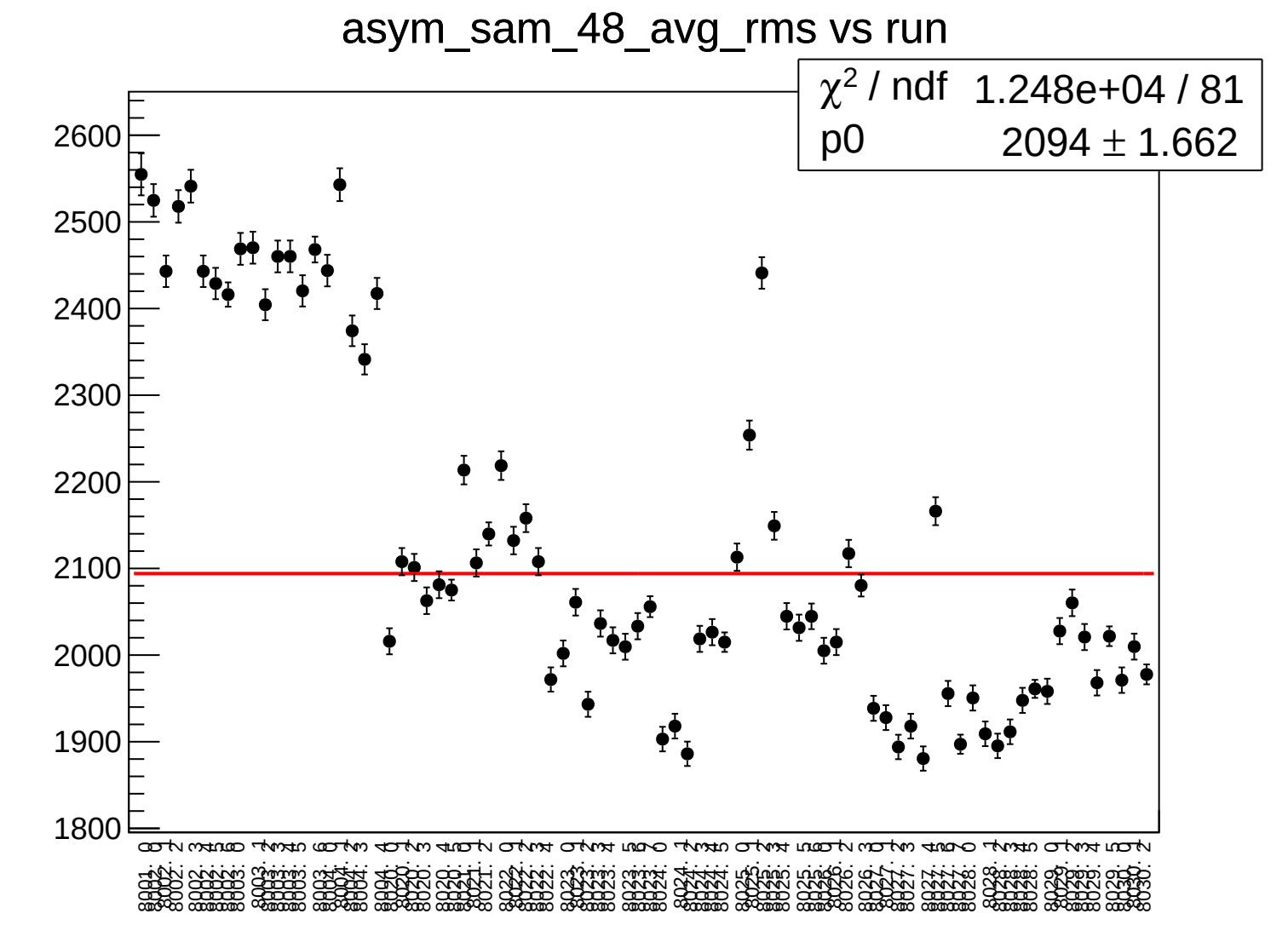

asym_sam_48_avg_correction_mean vs run
χ² / ndf 70.25 / 81
p0 893.8 ± 2381
pull
Entries 82
Mean −197.2
Std Dev 248.6

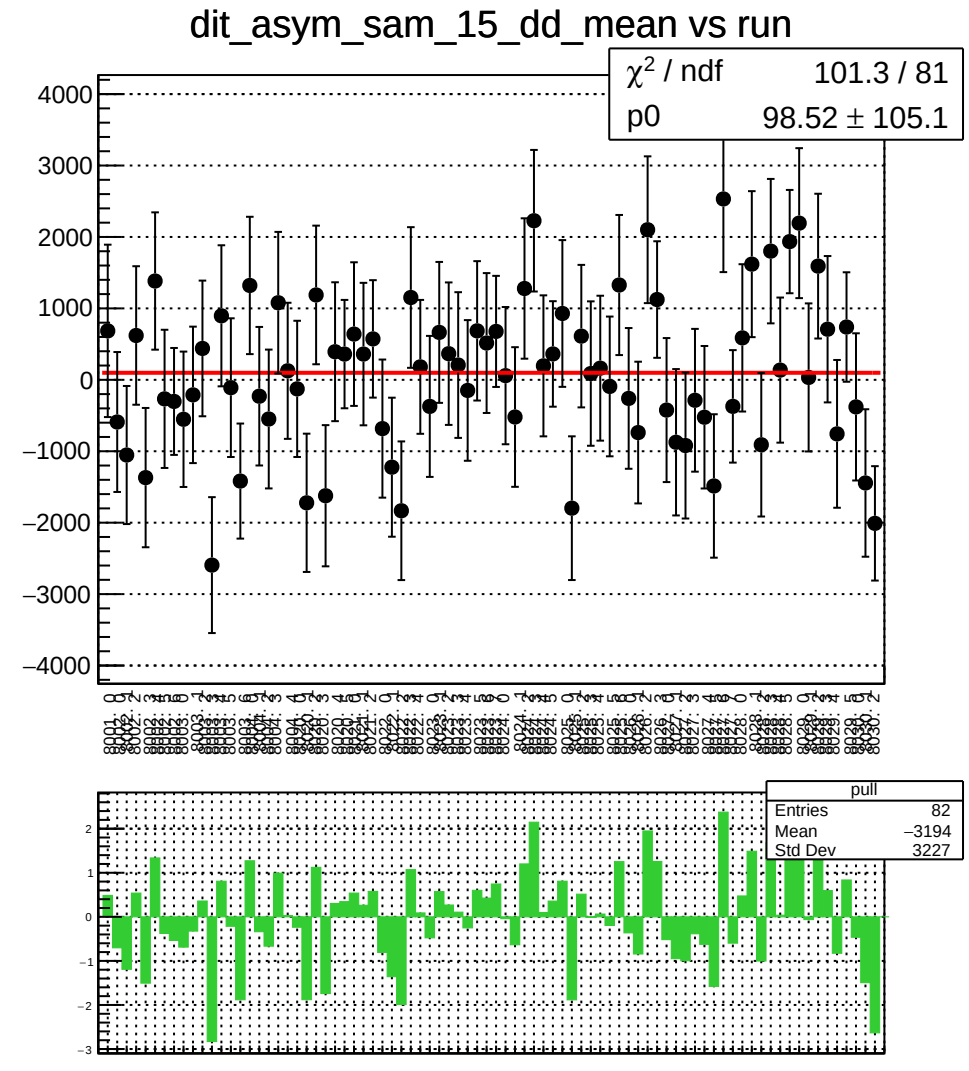

pull1D
Entries 82
Mean −0.00899
Std Dev 0.9256

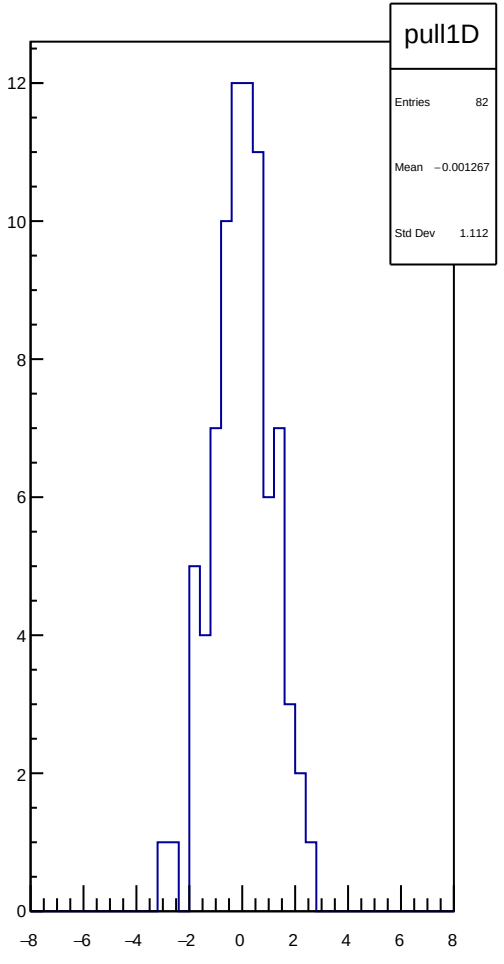

asym_sam_48_avg_correction_rms vs run
χ² / ndf 9996 / 81
p0 2124 ± 1.684
2600
2500
2400
2300
2200
2100
2000
1900

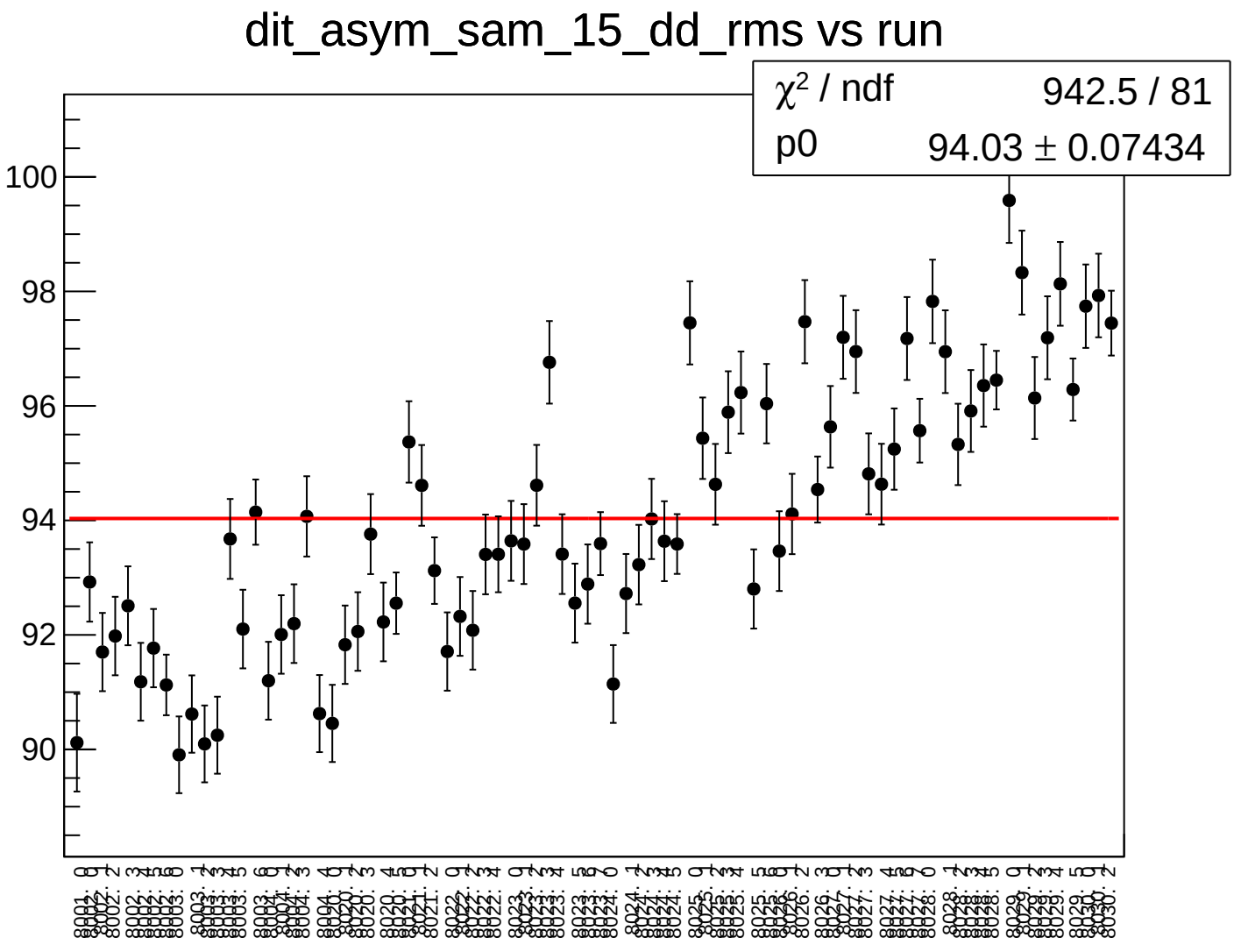

asym_sam_48_avg_mean vs run
χ^2 / ndf 71.42 / 81
p0 −724.1± 2350
pull
Entries 82
Mean −205.4
Std Dev 257.4

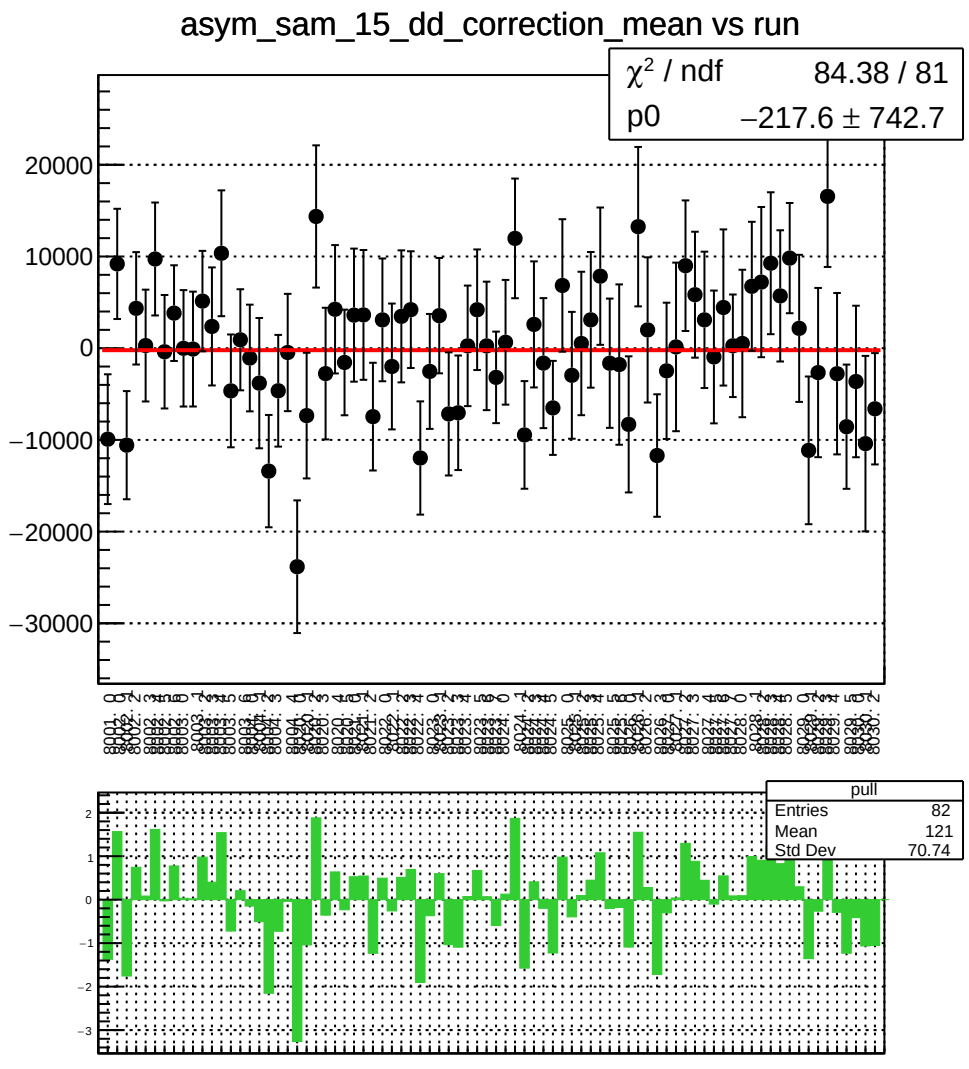

pull1D
Entries 82
Mean 0.008084
Std Dev 0.9332

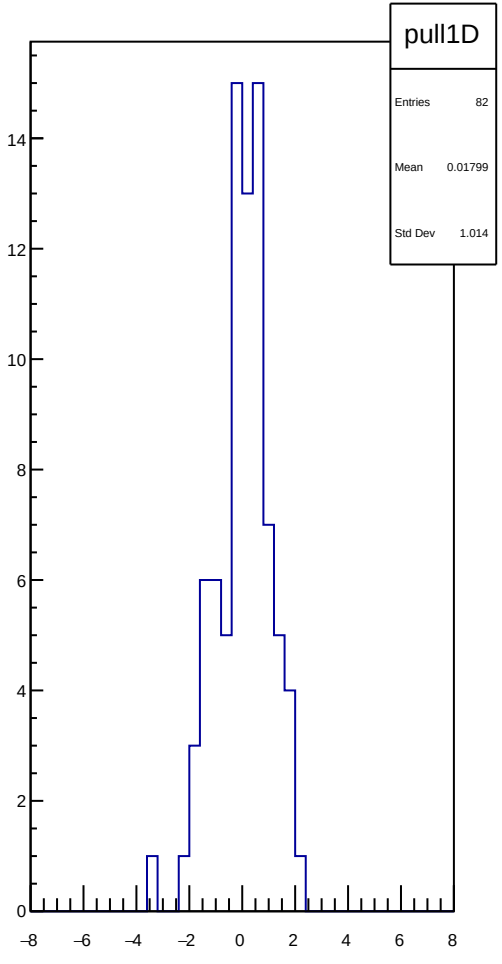

asym_sam_48_avg_rms vs run
χ² / ndf 1.248e+04 / 81
p0 2094 ± 1.662
2600
2500
2400
2300
2200
2100
2000
1900
1800

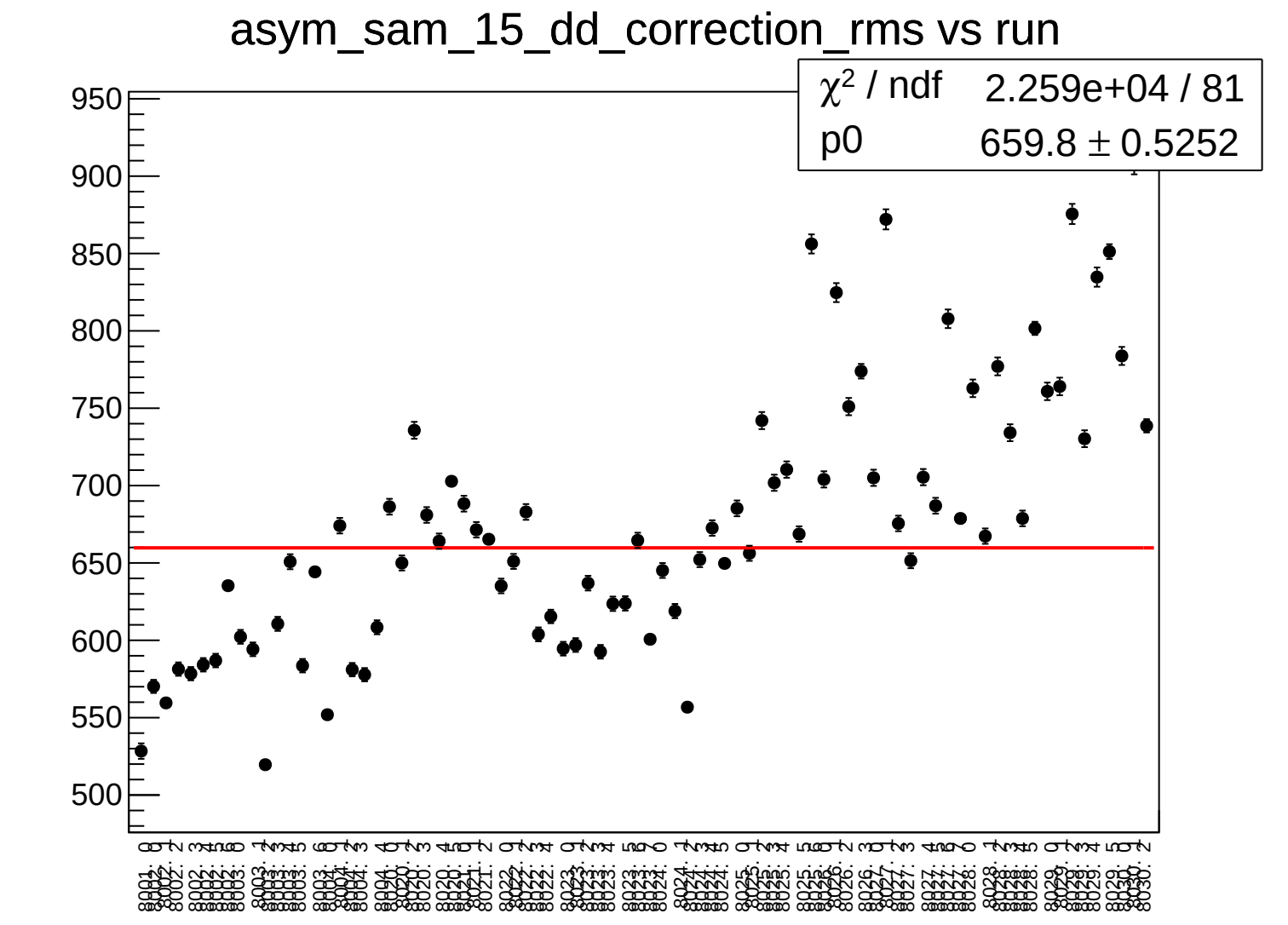

dit_asym_sam_15_dd_mean vs run
χ² / ndf 101.3 / 81
p0 98.52 ± 105.1
pull
Entries 82
Mean −3194
Std Dev 3227

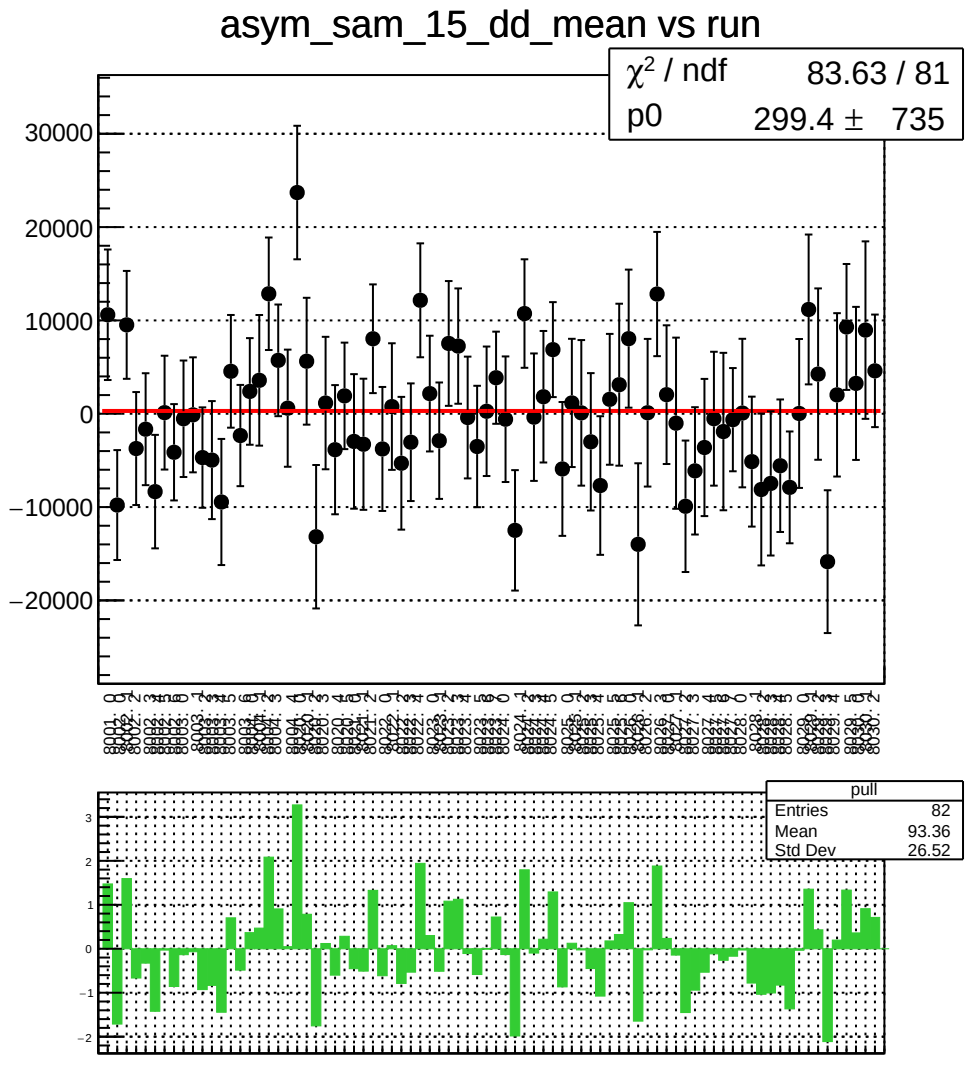

pull1D
Entries 82
Mean −0.001267
Std Dev 1.112

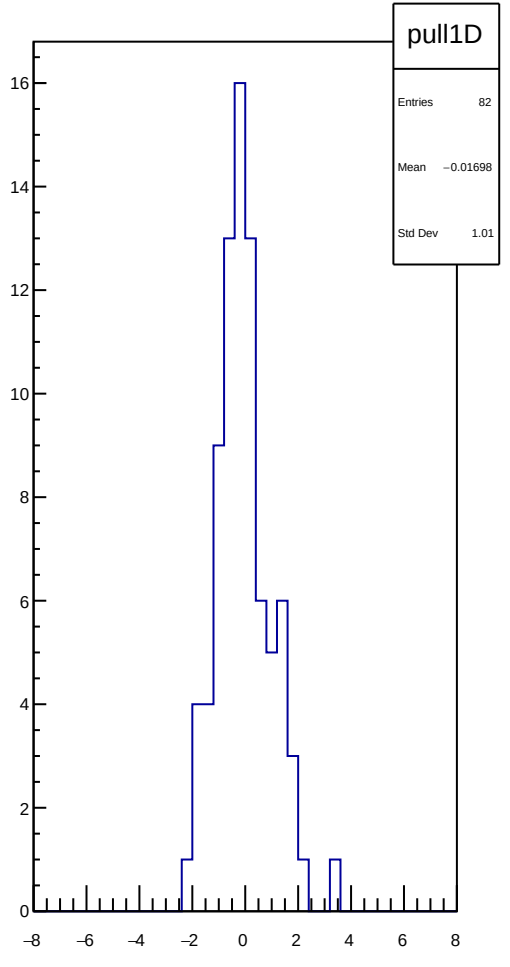

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 942.5 / 81
p0 94.03 ± 0.07434
100
98
96
94
92
90

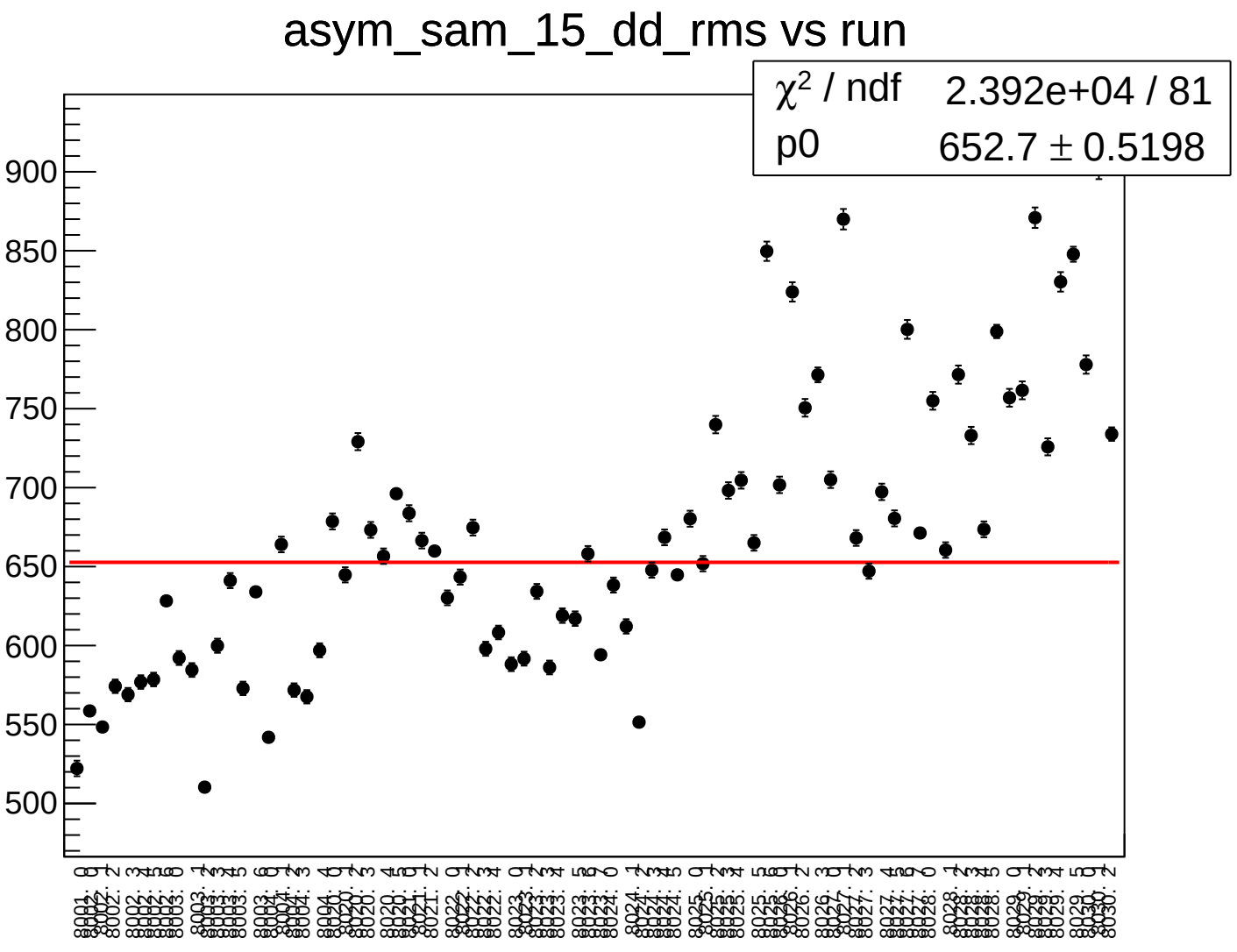

asym_sam_15_dd_correction_mean vs run
χ² / ndf 84.38 / 81
p0 −217.6 ± 742.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 121
Std Dev 70.74
2
1
0
−1
−2
−3

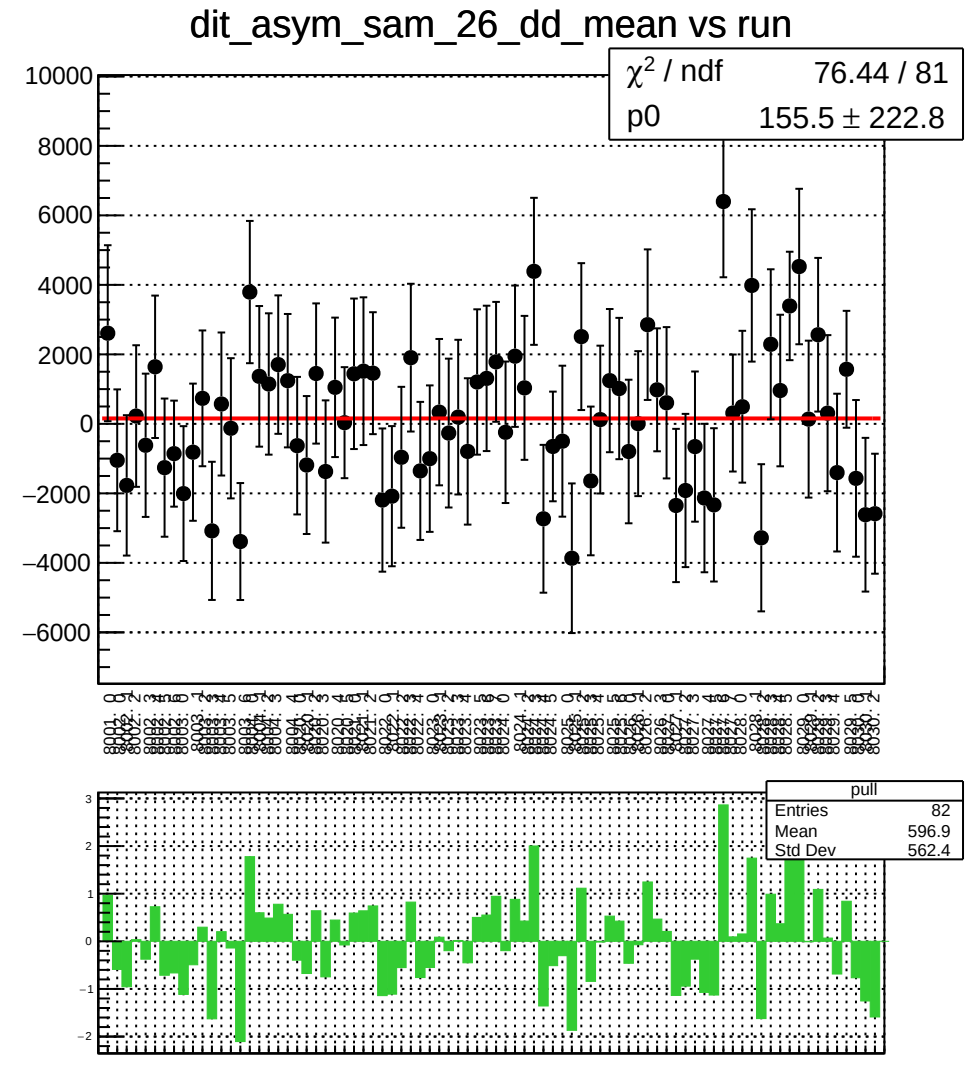

pull1D
Entries 82
Mean 0.01799
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

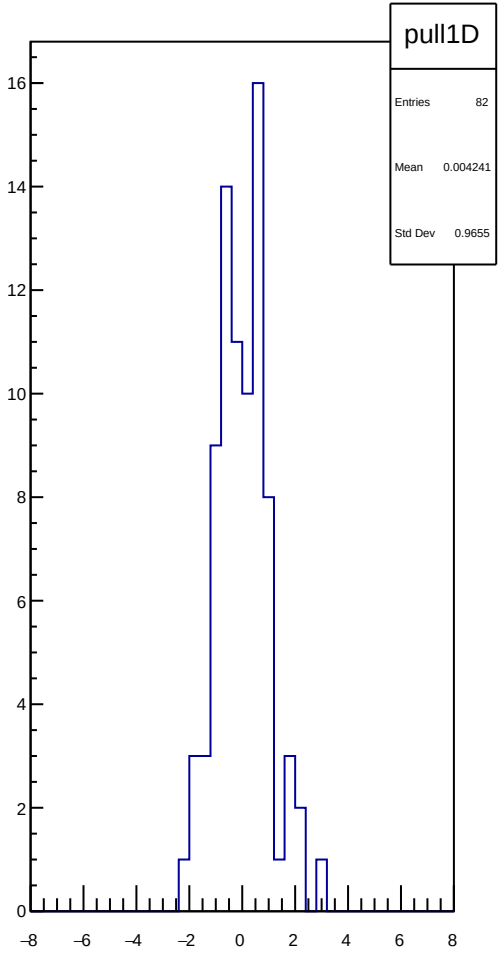

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.259e+04 / 81
p0 659.8 ± 0.5252
950
900
850
800
750
700
650
600
550
500

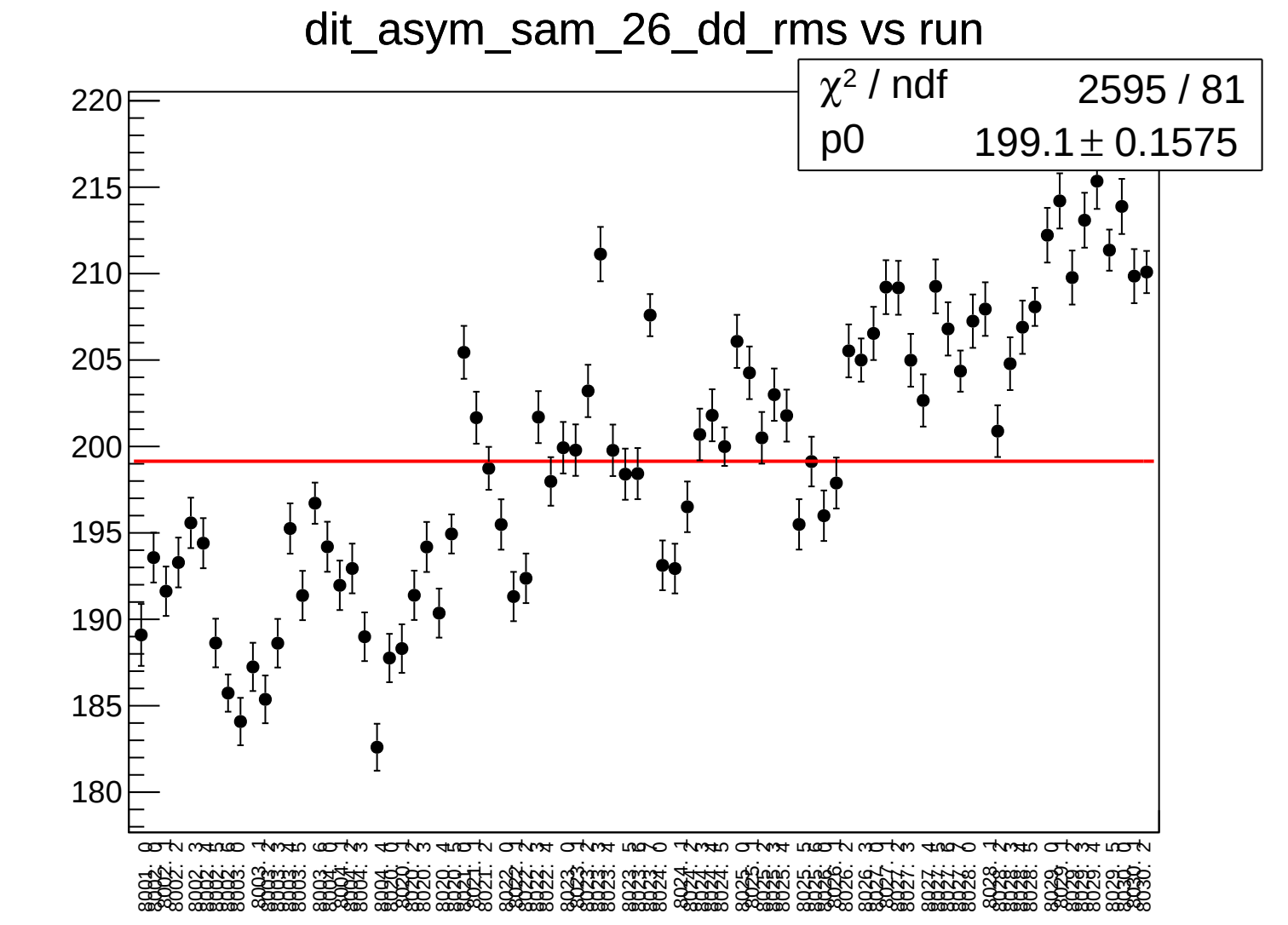

asym_sam_15_dd_mean vs run
χ² / ndf 83.63 / 81
p0 299.4 ± 735
pull
Entries 82
Mean 93.36
Std Dev 26.52

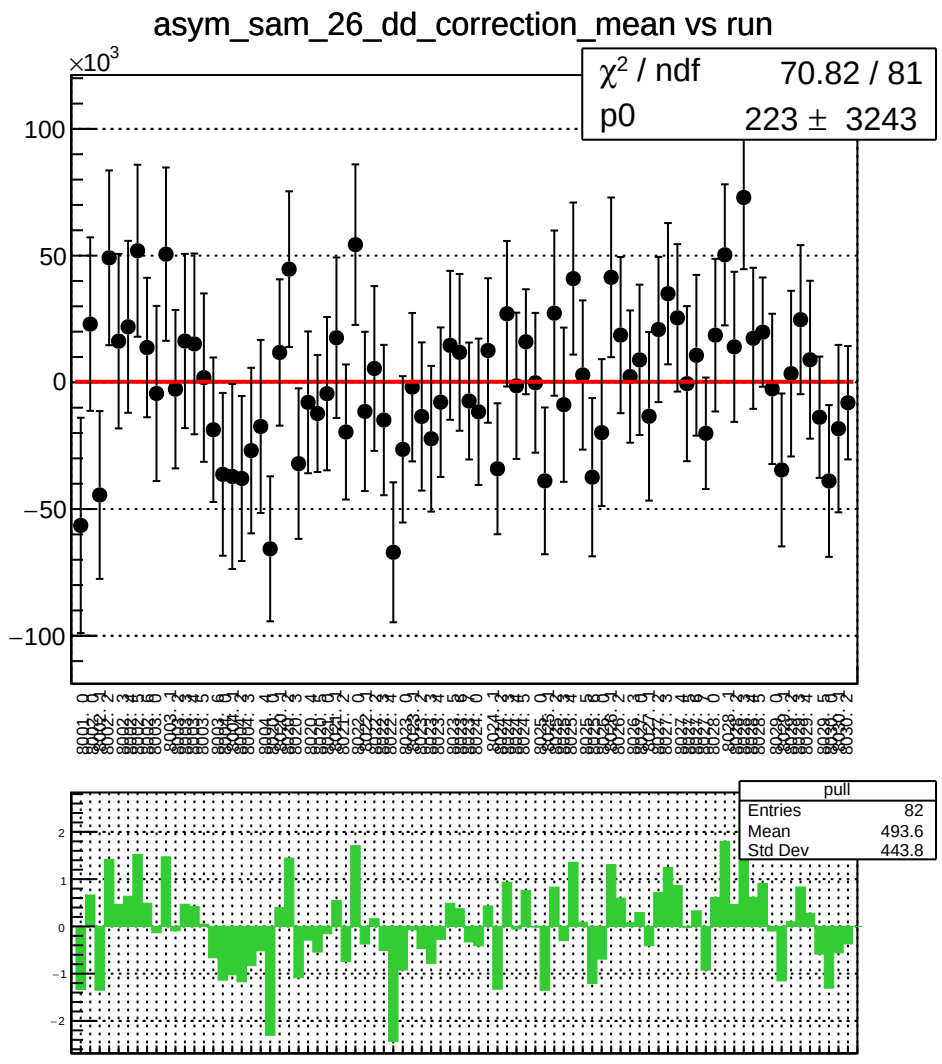

pull1D
Entries 82
Mean −0.01698
Std Dev 1.01

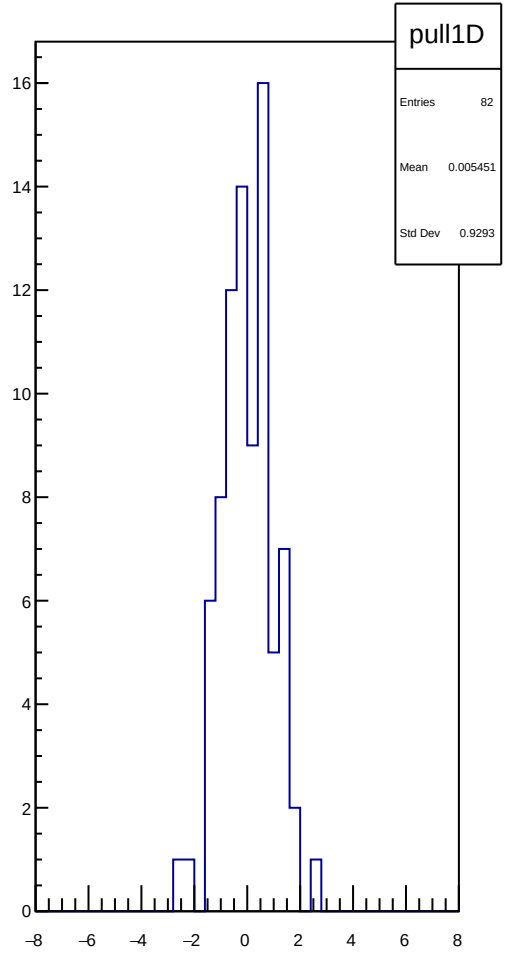

asym_sam_15_dd_rms vs run
χ² / ndf 2.392e+04 / 81
p0 652.7 ± 0.5198
900
850
800
750
700
650
600
550
500

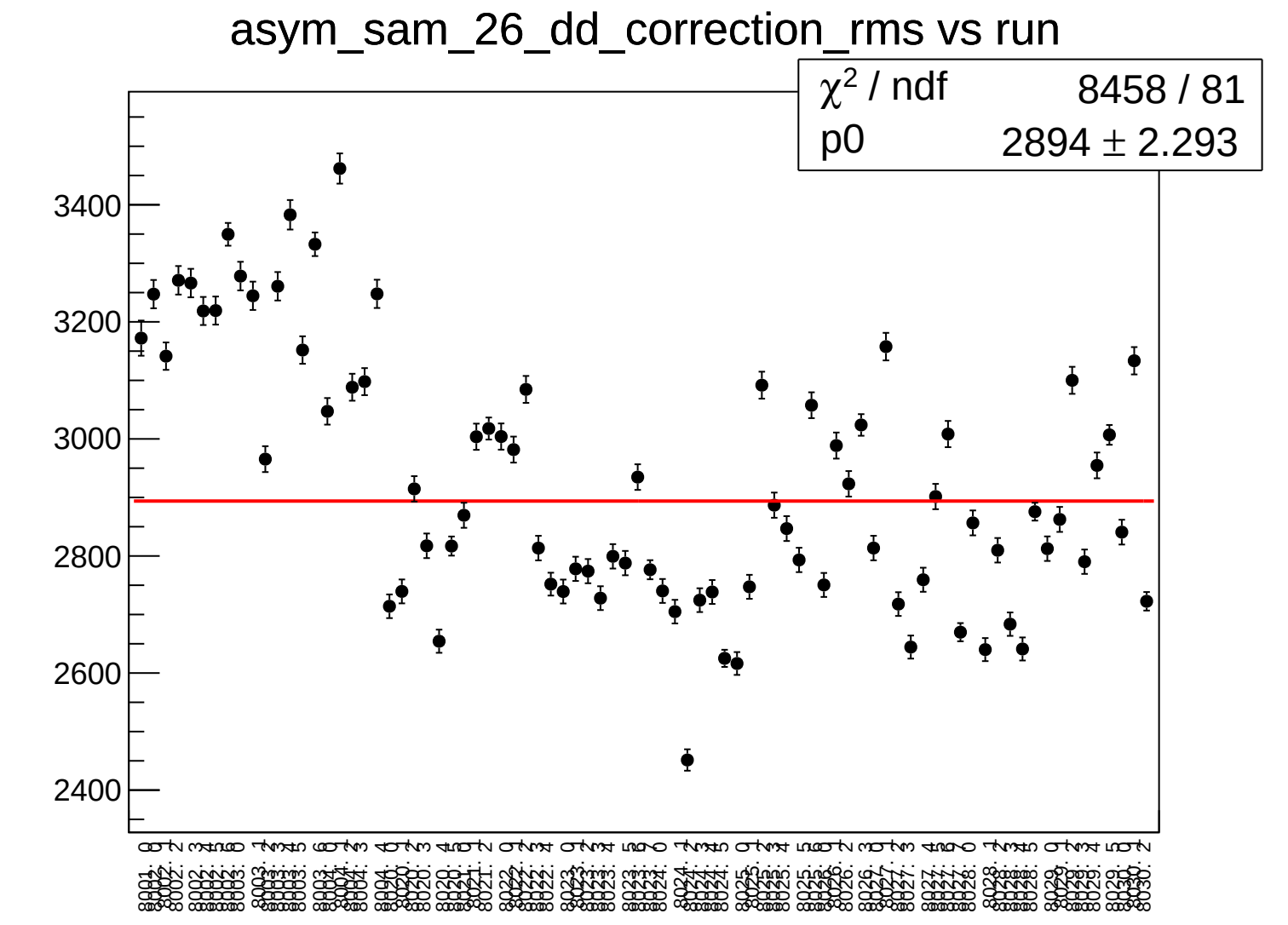

dit_asym_sam_26_dd_mean vs run
χ² / ndf 76.44 / 81
p0 155.5 ± 222.8
pull
Entries 82
Mean 596.9
Std Dev 562.4

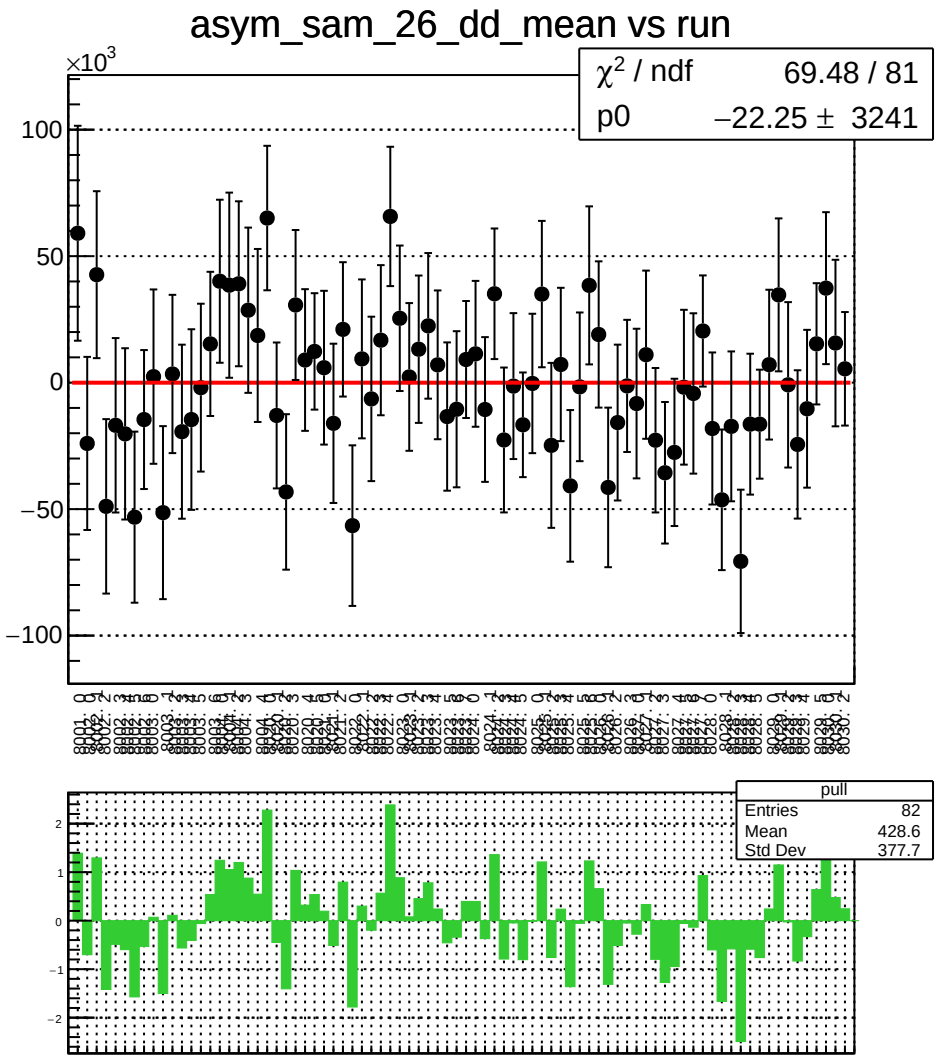

pull1D
Entries 82
Mean 0.004241
Std Dev 0.9655

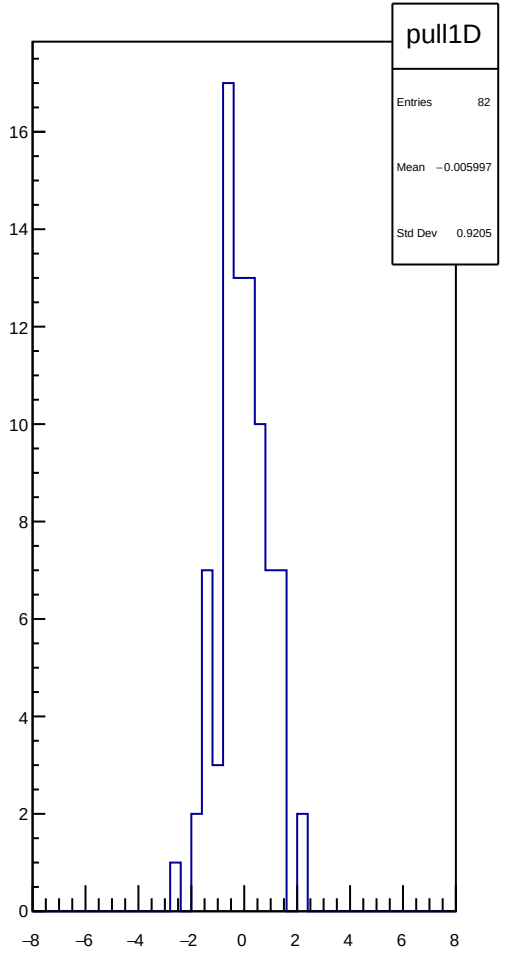

dit_asym_sam_26_dd_rms vs run
χ² / ndf 2595 / 81
p0 199.1 ± 0.1575
220
215
210
205
200
195
190
185
180

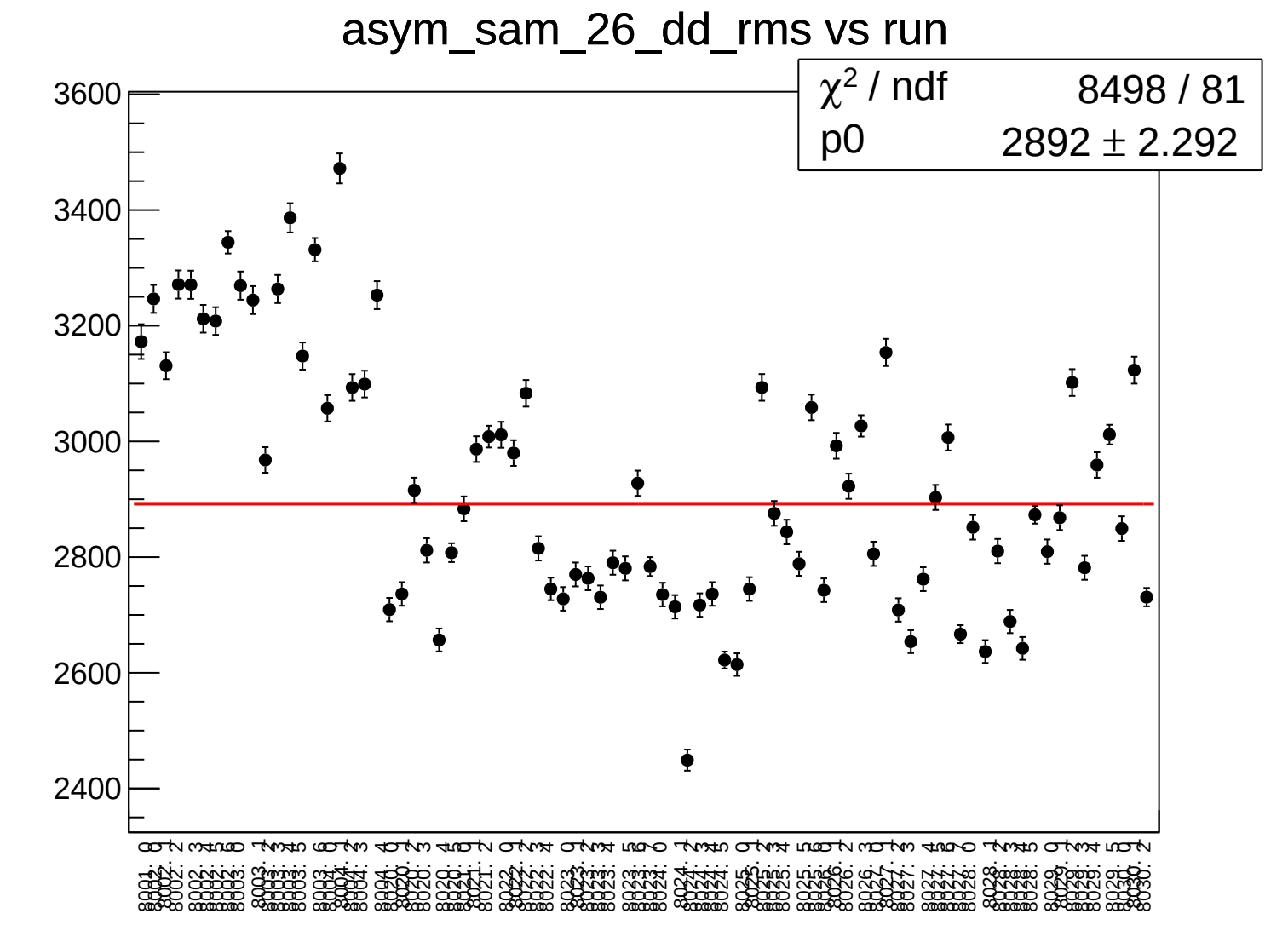

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 70.82 / 81
p0 223 ± 3243
100
50
0
−50
−100
pull
Entries 82
Mean 493.6
Std Dev 443.8
2
1
0
−1
−2

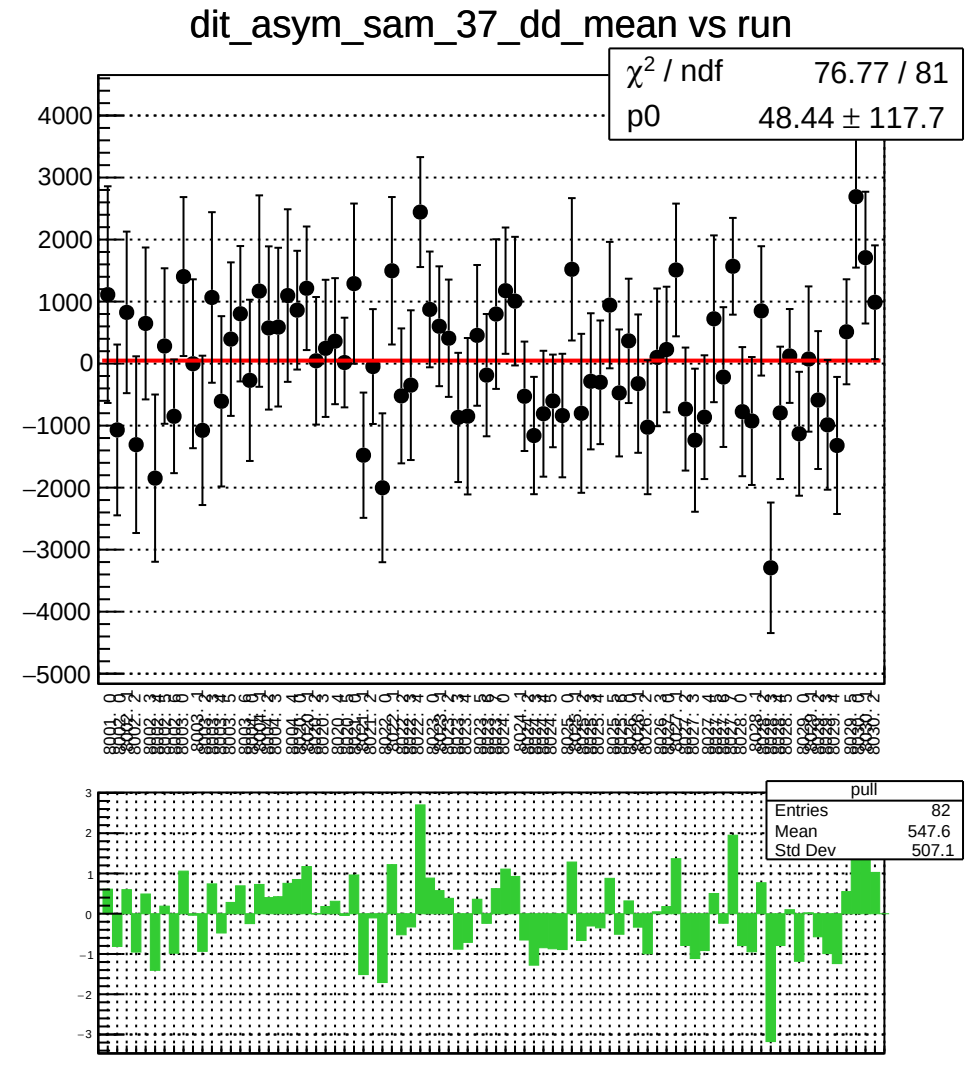

pull1D
Entries 82
Mean 0.005451
Std Dev 0.9293
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

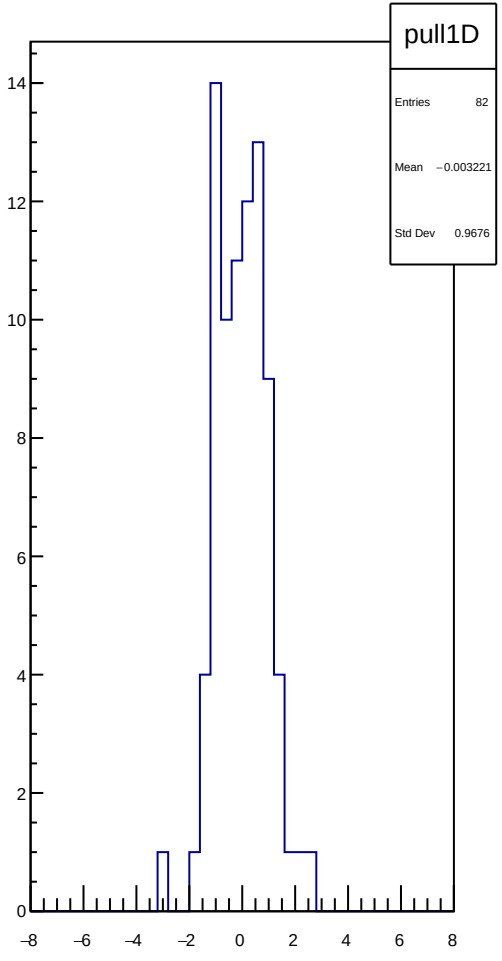

asym_sam_26_dd_correction_rms vs run
χ² / ndf 8458 / 81
p0 2894 ± 2.293
3400
3200
3000
2800
2600
2400

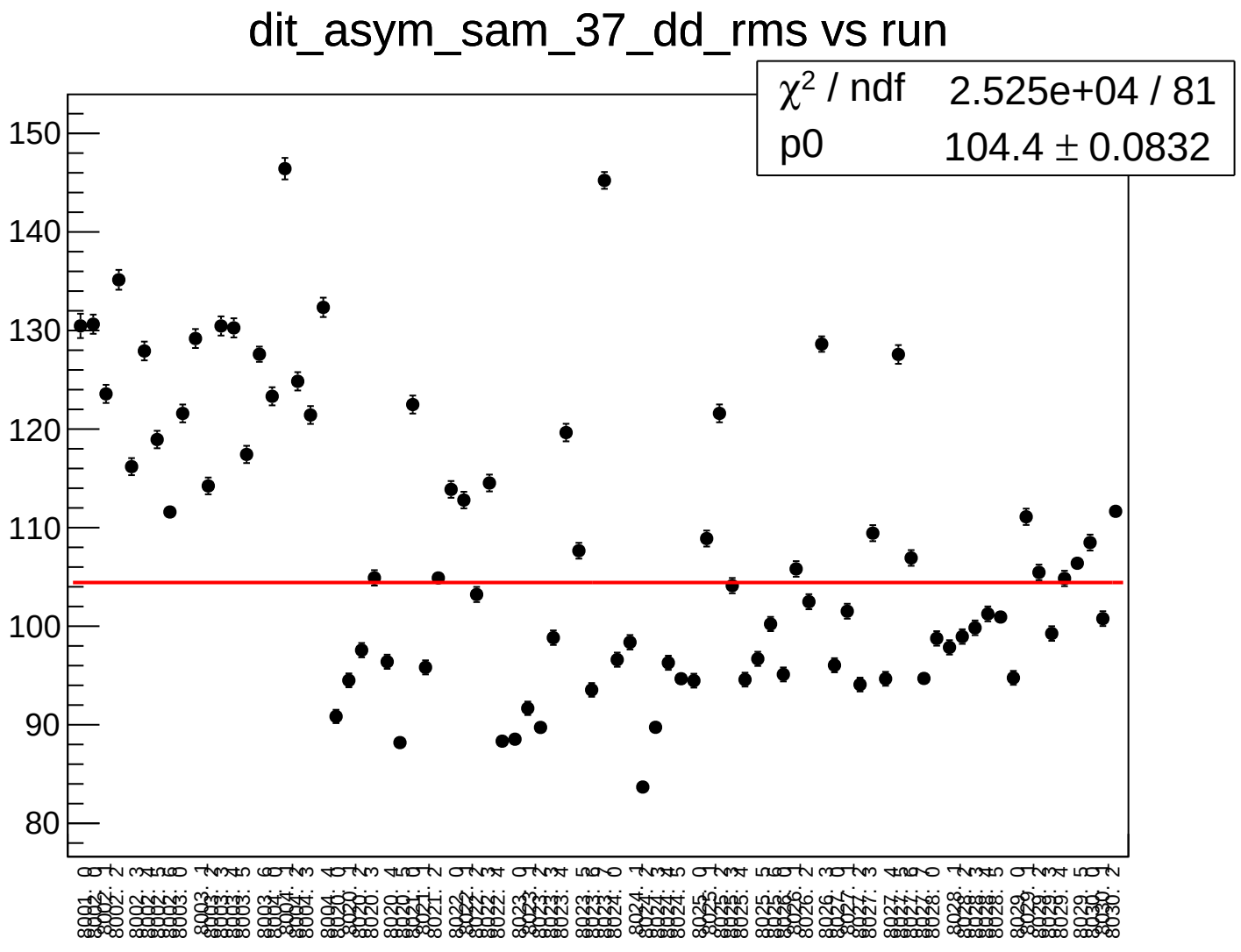

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 69.48 / 81
p0 −22.25 ± 3241
100
50
0
−50
−100
pull
Entries 82
Mean 428.6
Std Dev 377.7
2
1
0
−1
−2

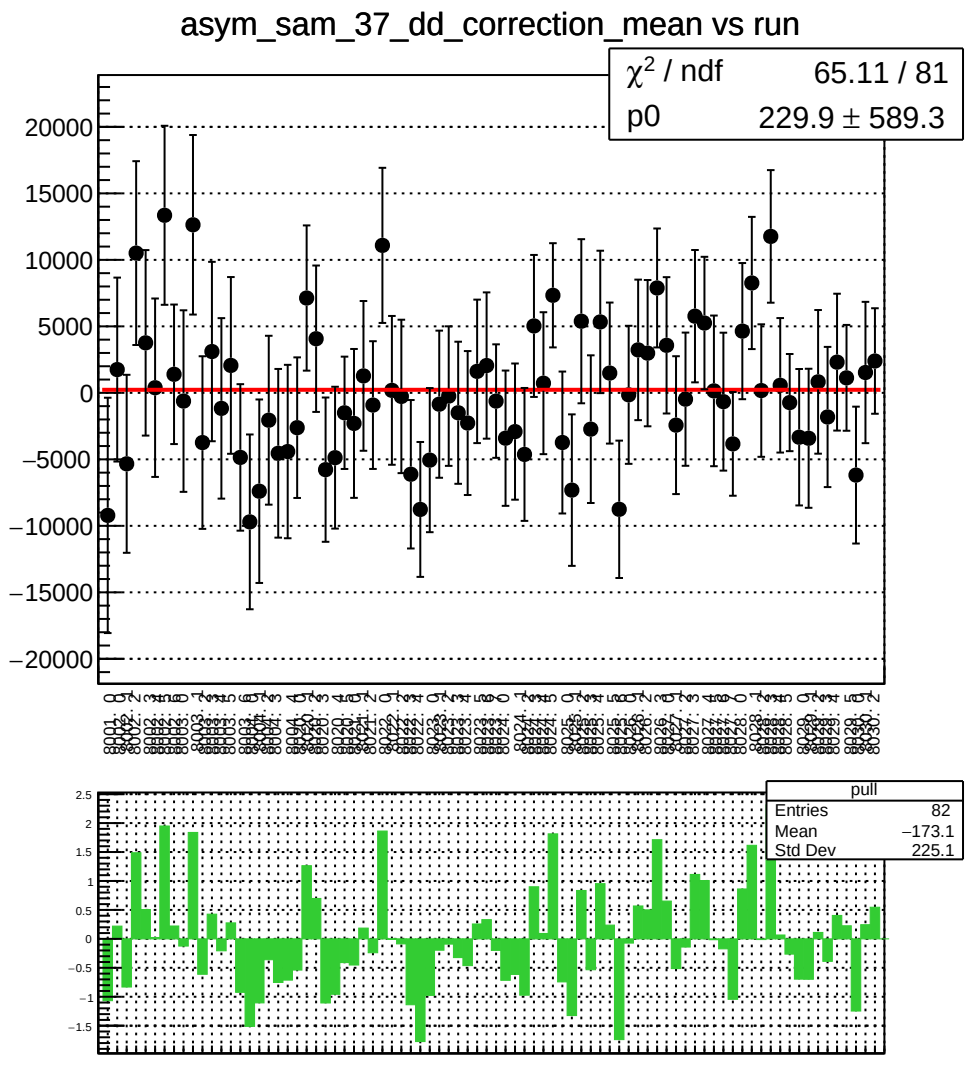

pull1D
Entries 82
Mean −0.005997
Std Dev 0.9205
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

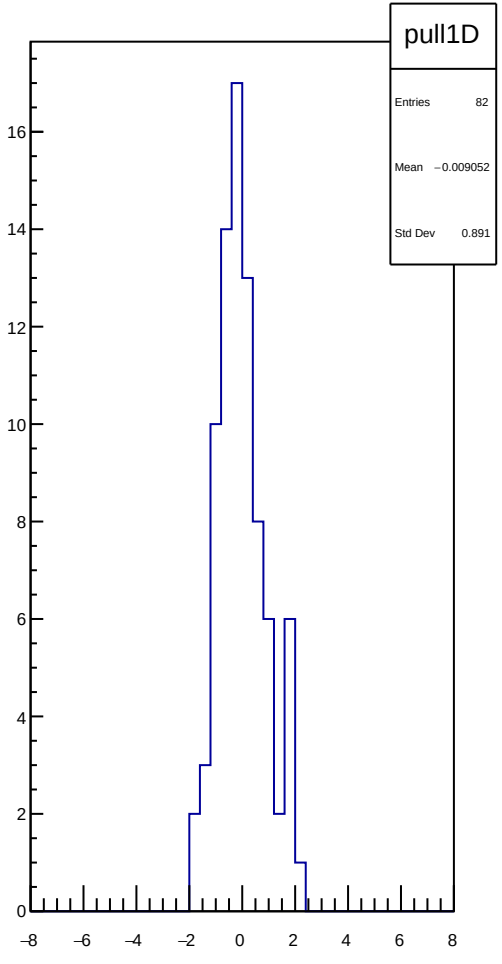

asym_sam_26_dd_rms vs run
χ² / ndf 8498 / 81
p0 2892 ± 2.292
3600
3400
3200
3000
2800
2600
2400

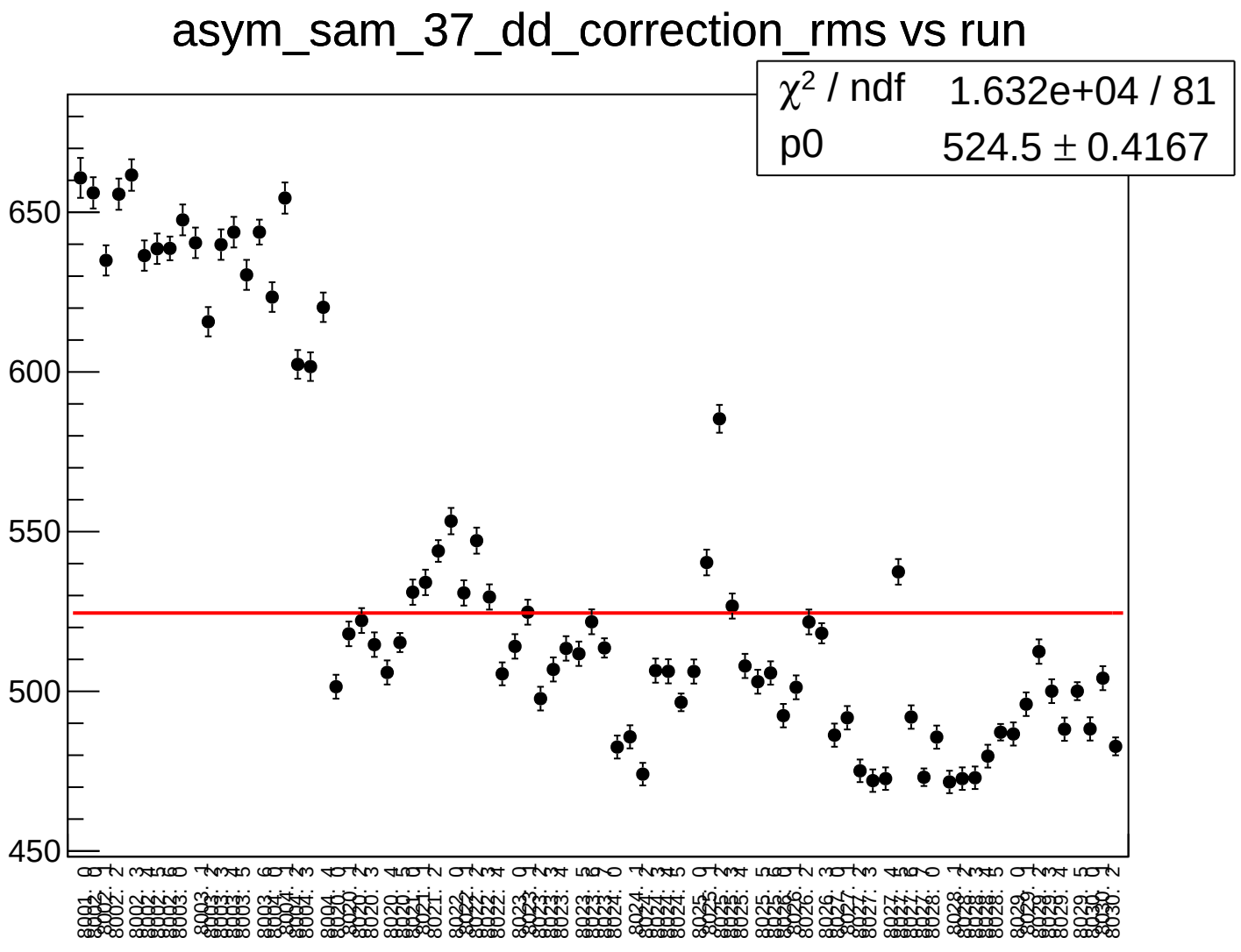

dit_asym_sam_37_dd_mean vs run
χ² / ndf 76.77 / 81
p0 48.44 ± 117.7
pull
Entries 82
Mean 547.6
Std Dev 507.1

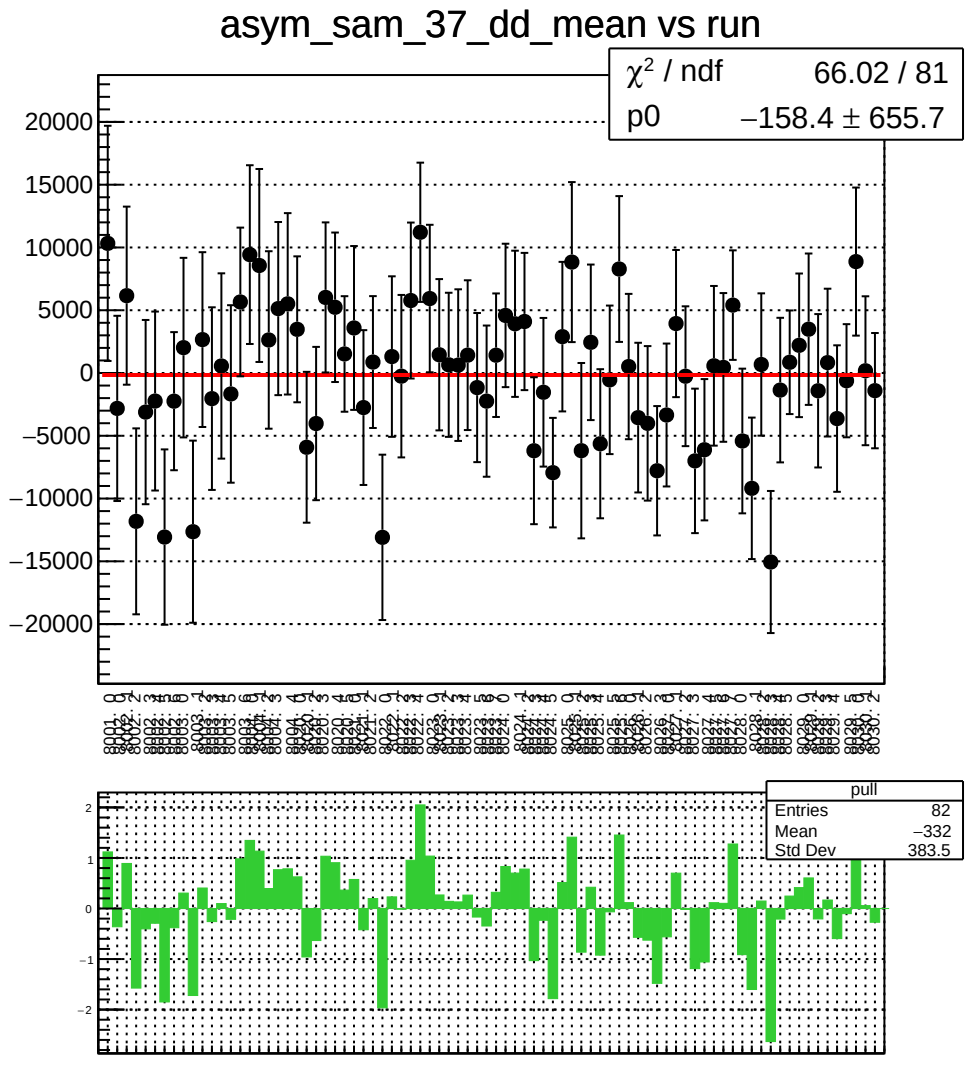

pull1D
Entries 82
Mean −0.003221
Std Dev 0.9676

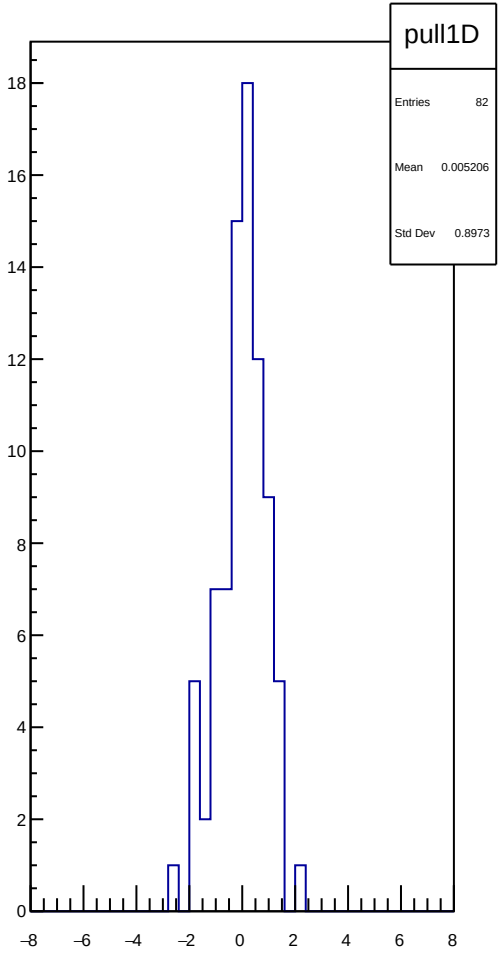

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.525e+04 / 81
p0 104.4 ± 0.0832
150
140
130
120
110
100
90
80

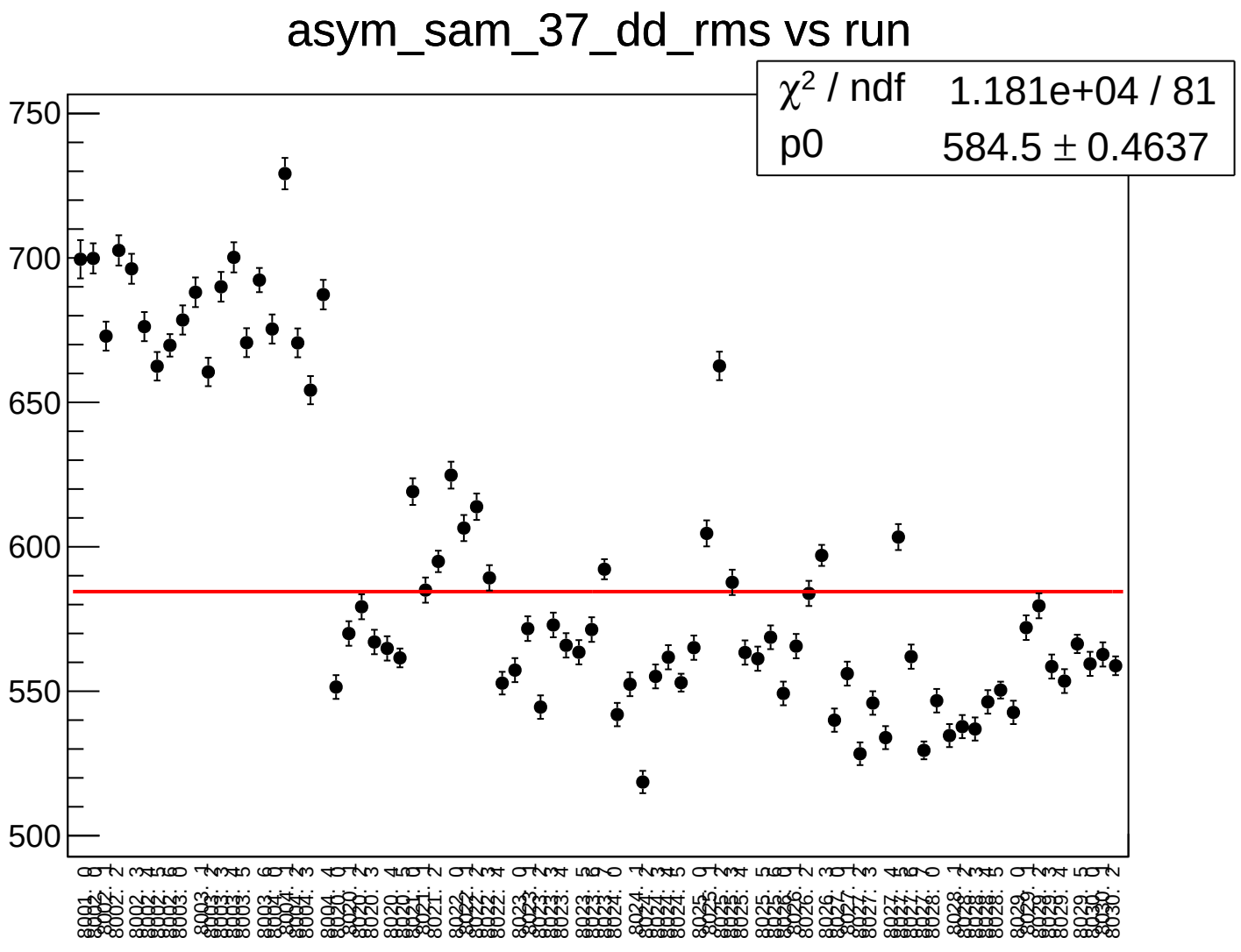

asym_sam_37_dd_correction_mean vs run
χ² / ndf 65.11 / 81
p0 229.9 ± 589.3
pull
Entries 82
Mean −173.1
Std Dev 225.1

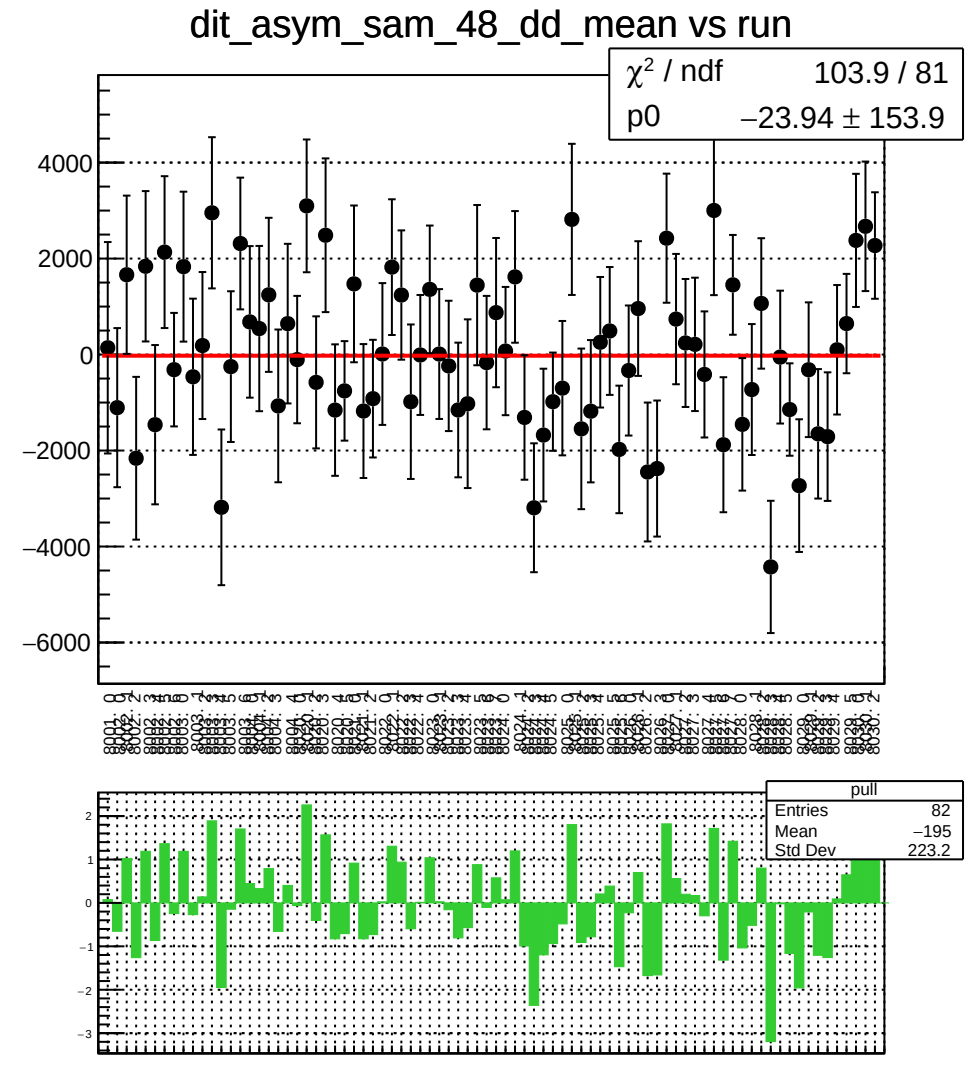

pull1D
Entries 82
Mean −0.009052
Std Dev 0.891

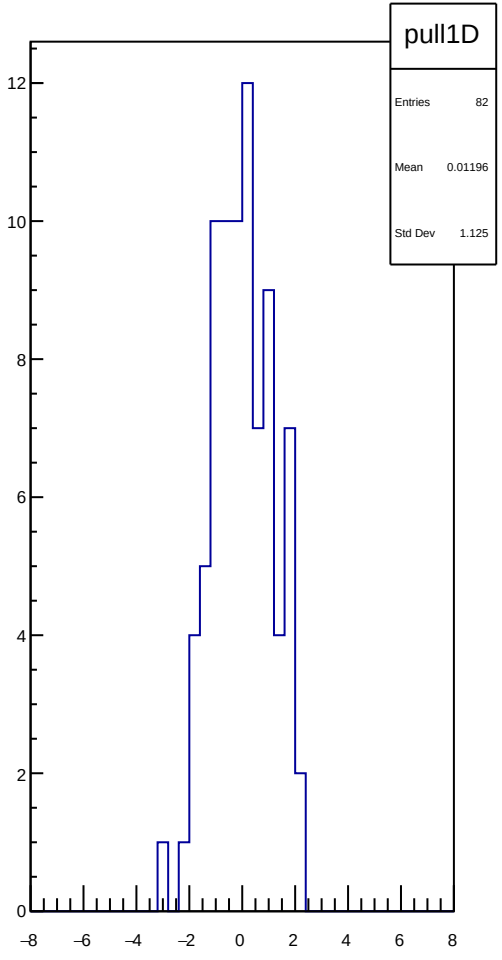

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.632e+04 / 81
p0 524.5 ± 0.4167
650
600
550
500
450

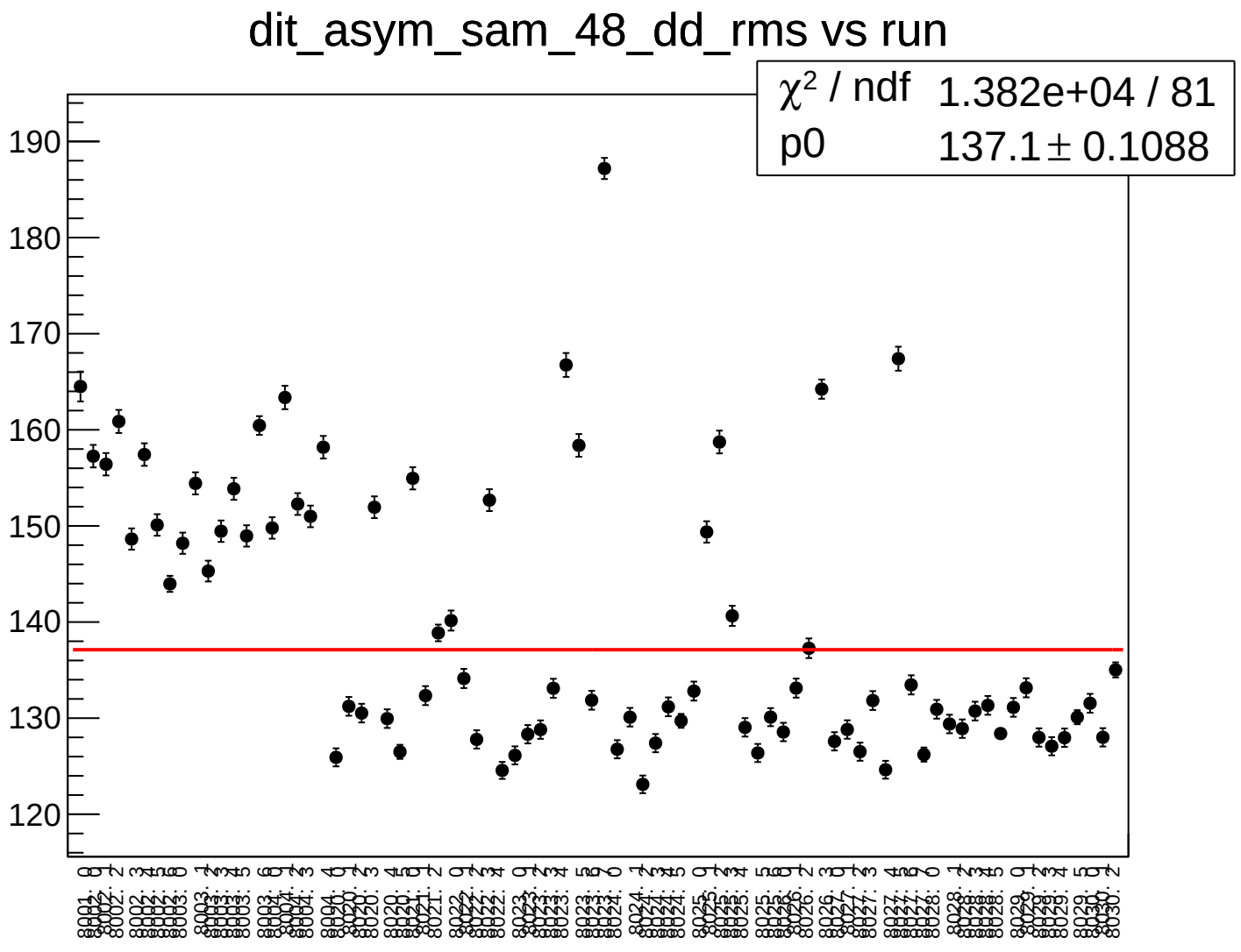

asym_sam_37_dd_mean vs run
χ² / ndf 66.02 / 81
p0 −158.4 ± 655.7
pull
Entries 82
Mean −332
Std Dev 383.5

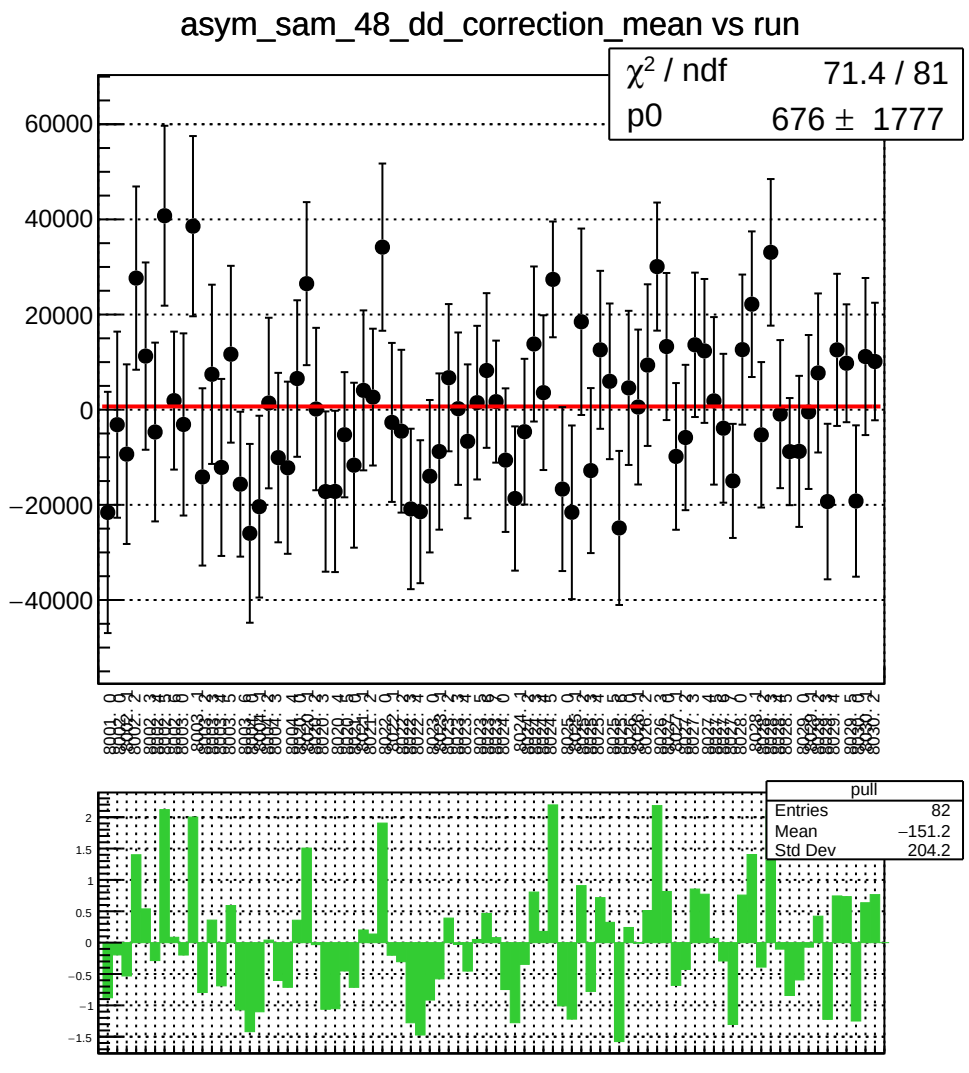

pull1D
Entries 82
Mean 0.005206
Std Dev 0.8973

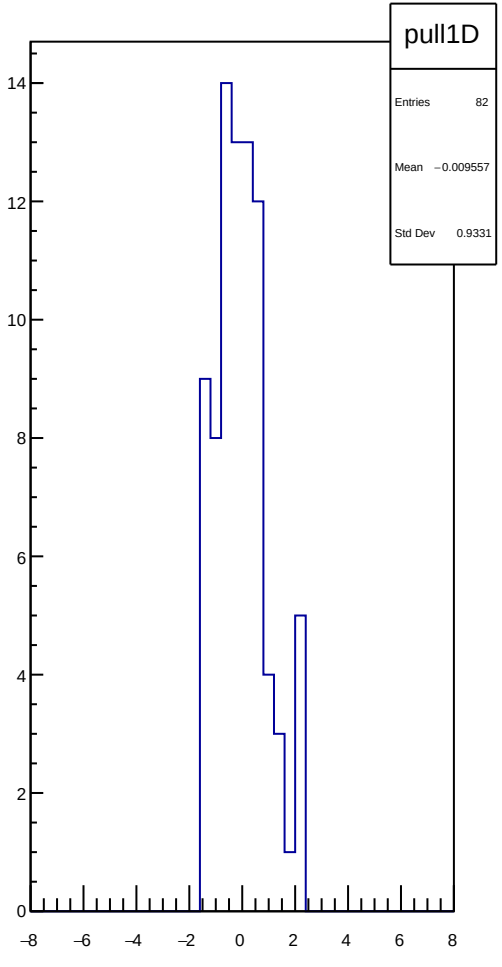

asym_sam_37_dd_rms vs run
χ² / ndf 1.181e+04 / 81
p0 584.5 ± 0.4637
750
700
650
600
550
500

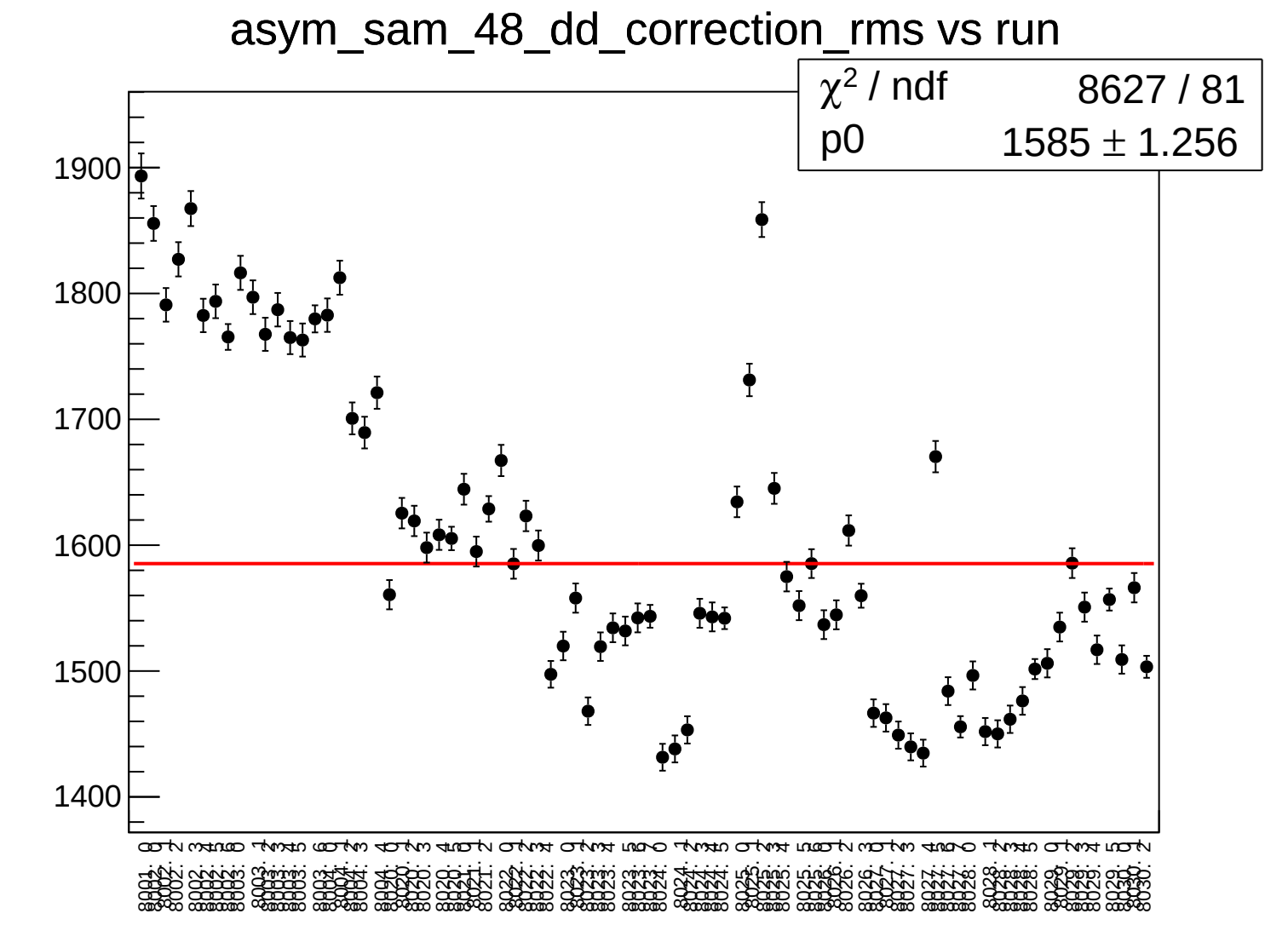

dit_asym_sam_48_dd_mean vs run
χ² / ndf 103.9 / 81
p0 −23.94 ± 153.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −195
Std Dev 223.2
2
1
0
−1
−2
−3

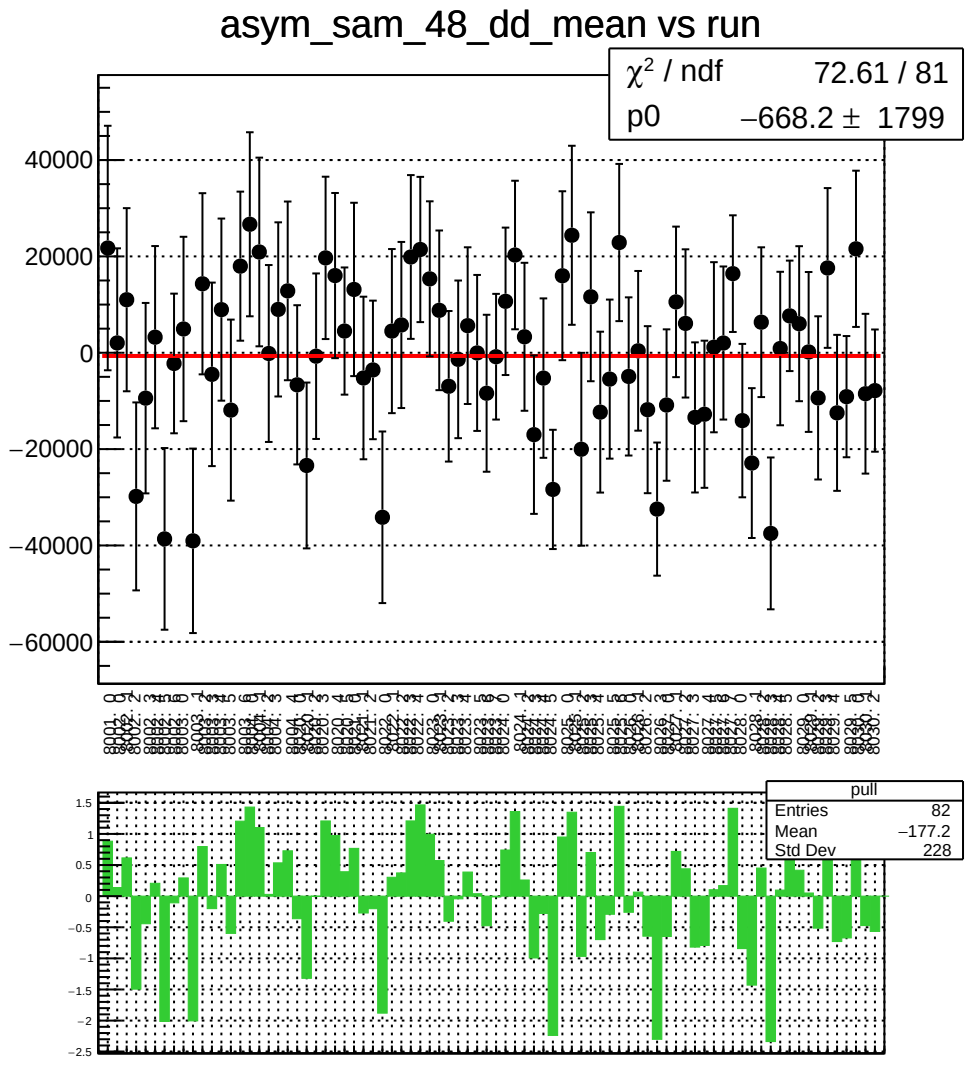

pull1D
Entries 82
Mean 0.01196
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

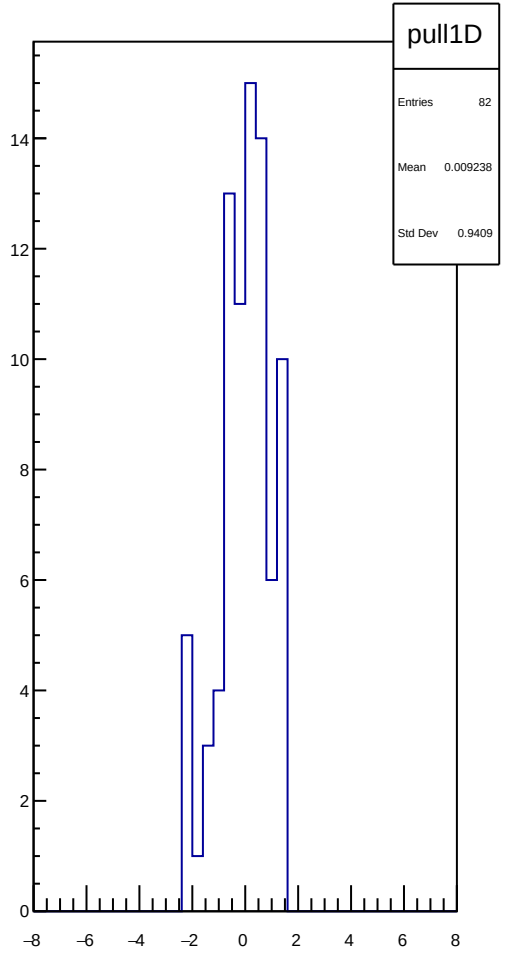

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.382e+04 / 81
p0 137.1 ± 0.1088
190
180
170
160
150
140
130
120

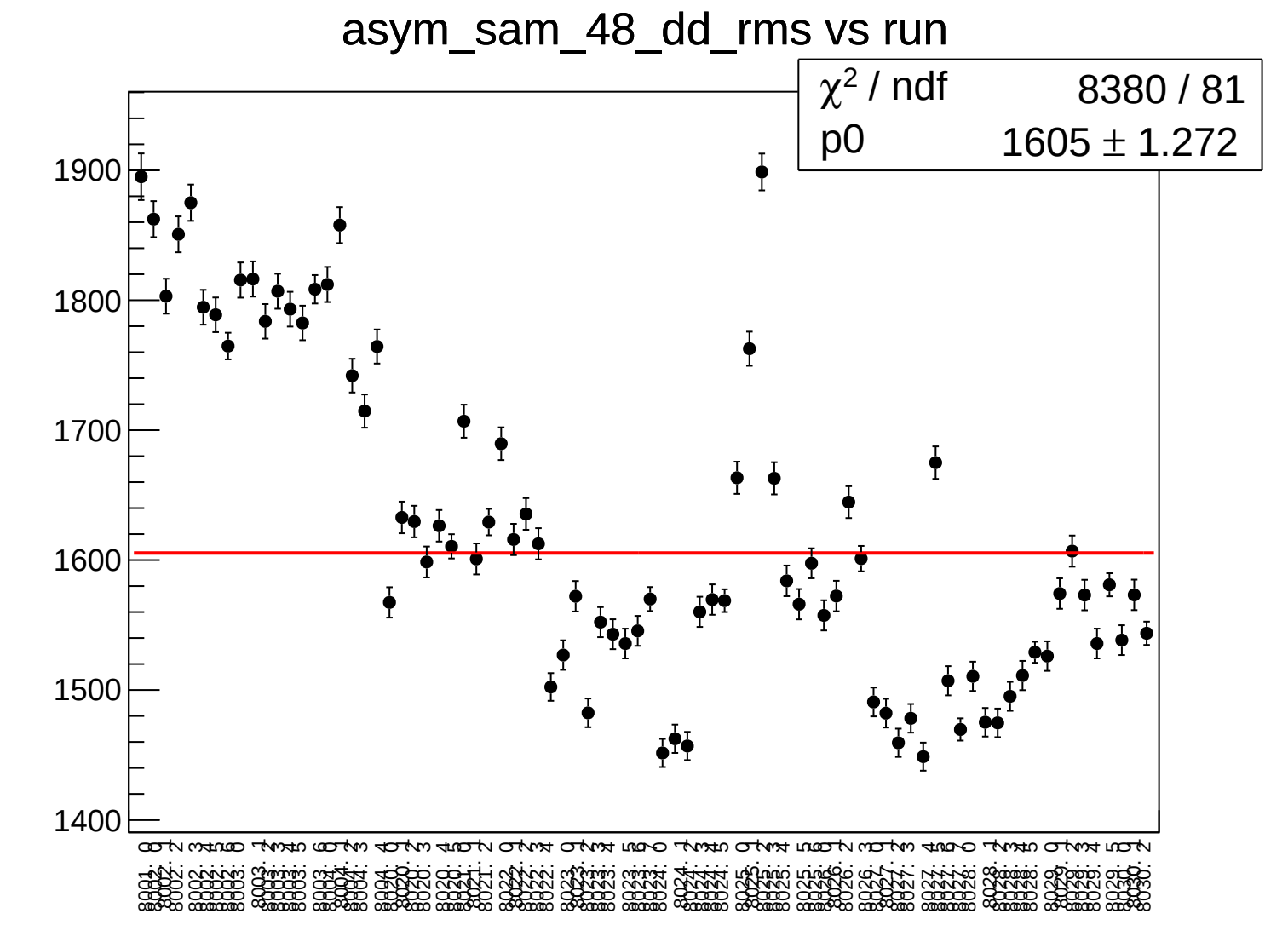

asym_sam_48_dd_correction_mean vs run
χ² / ndf 71.4 / 81
p0 676 ± 1777
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −151.2
Std Dev 204.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

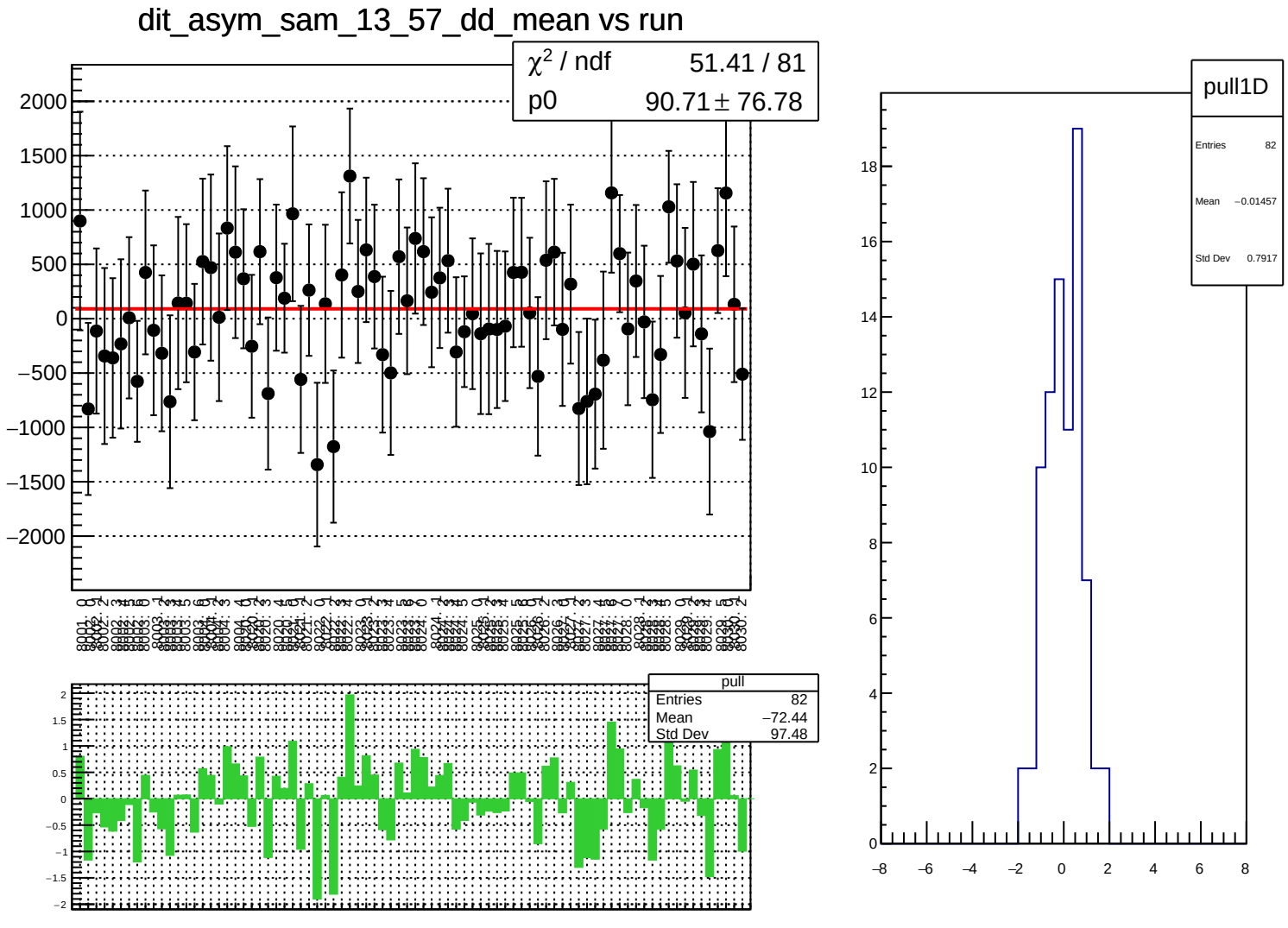

pull1D
Entries 82
Mean −0.009557
Std Dev 0.9331
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

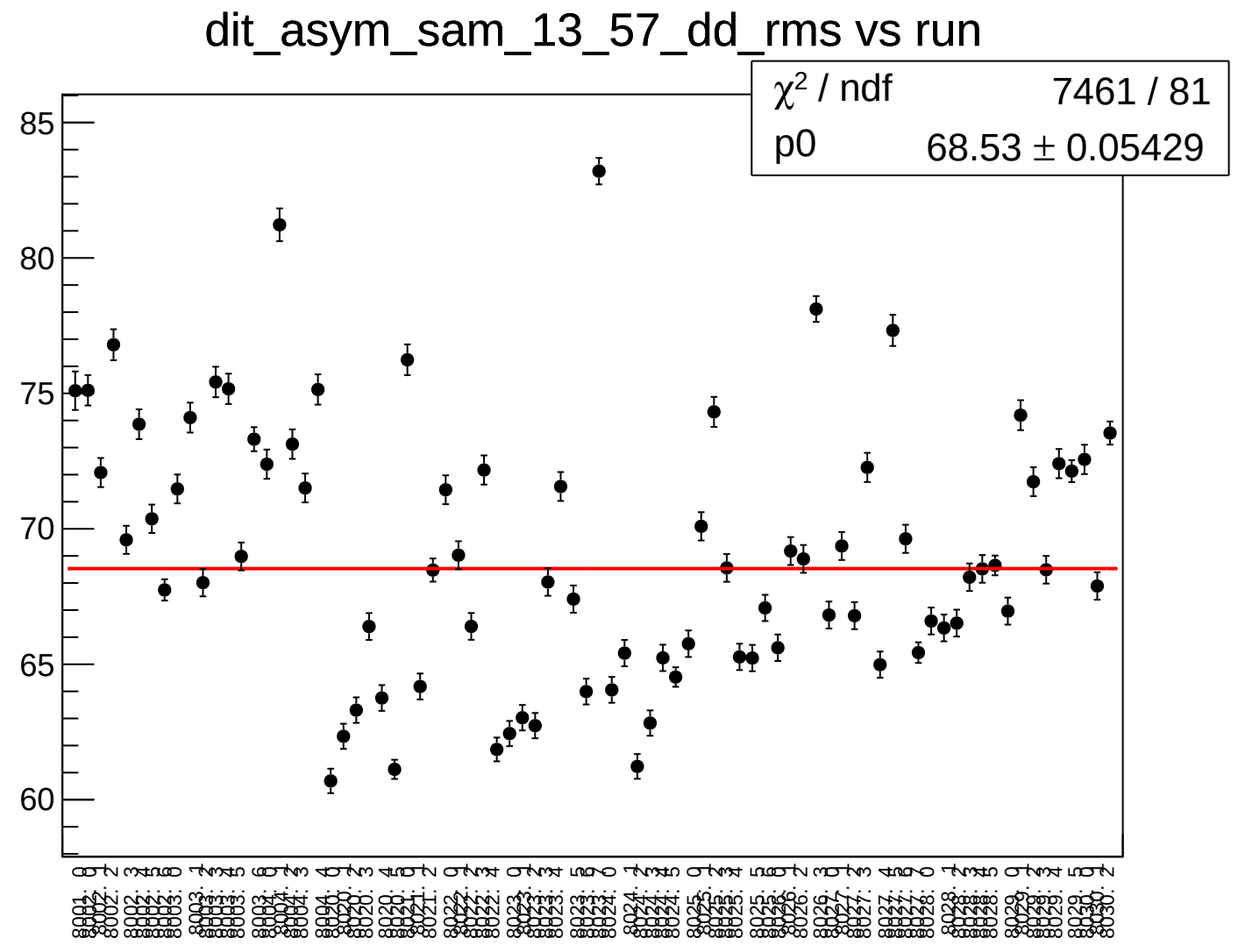

asym_sam_48_dd_correction_rms vs run
χ² / ndf 8627 / 81
p0 1585 ± 1.256
1900
1800
1700
1600
1500
1400

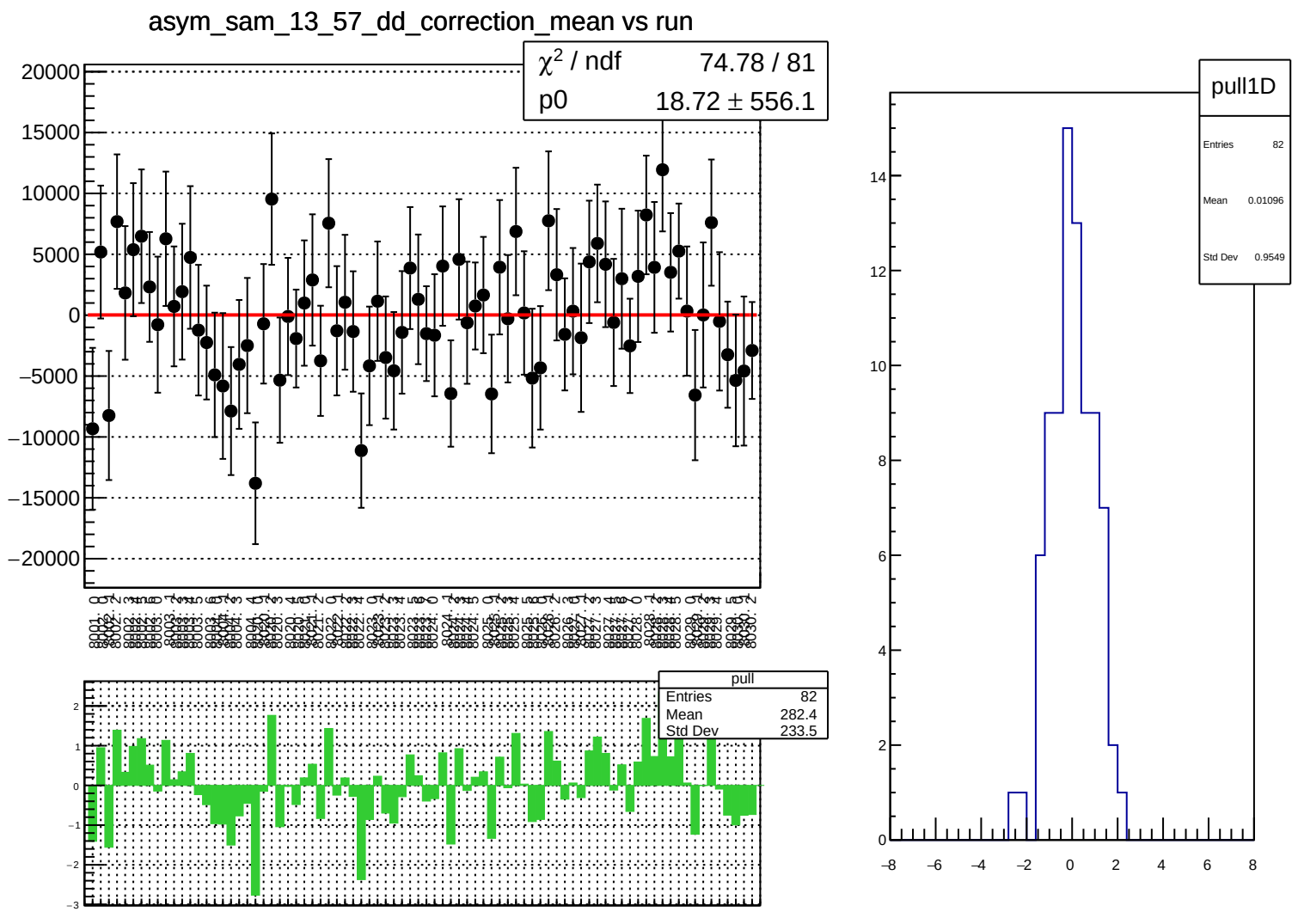

asym_sam_48_dd_mean vs run
χ² / ndf 72.61 / 81
p0 −668.2 ± 1799
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −177.2
Std Dev 228
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

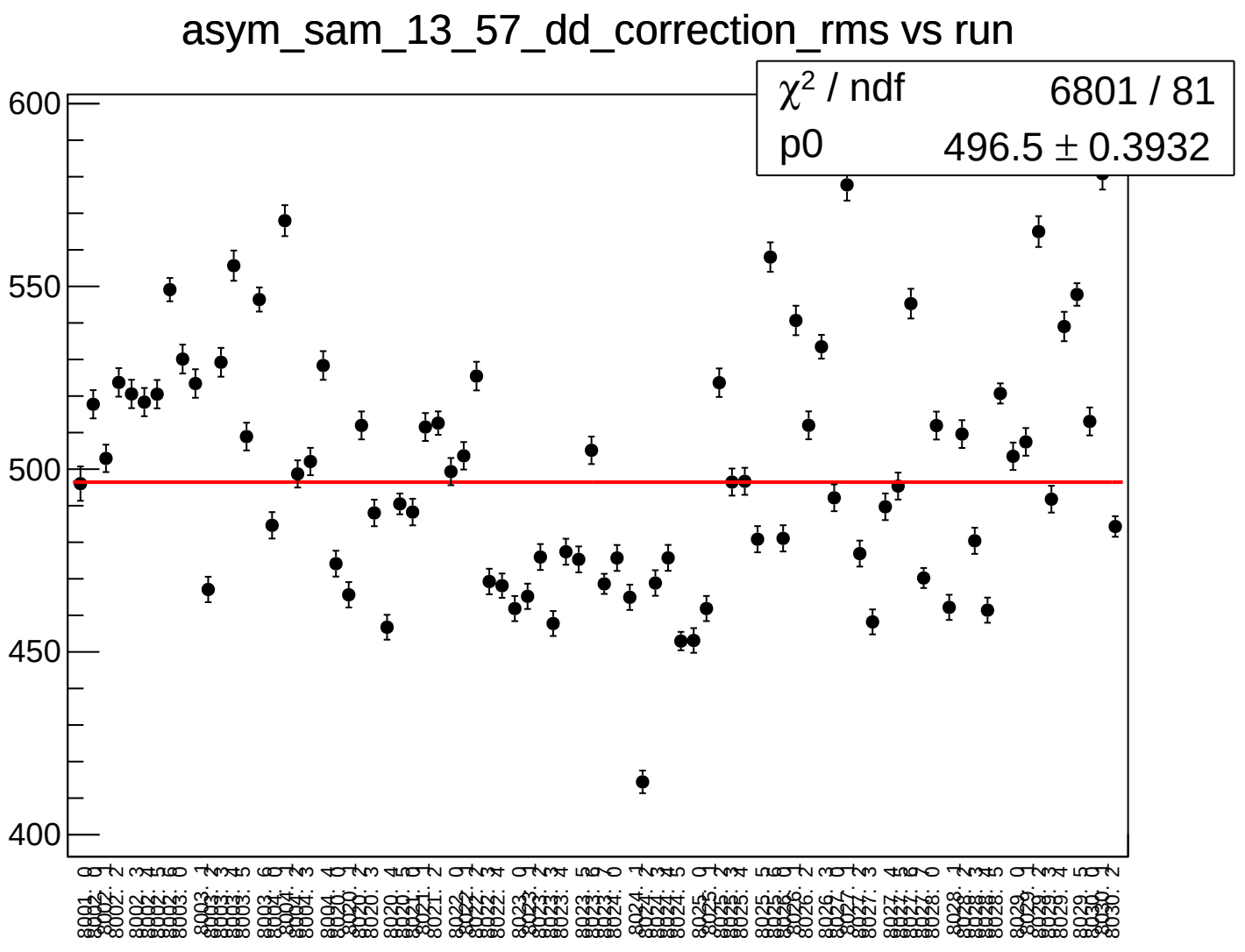

pull1D
Entries 82
Mean 0.009238
Std Dev 0.9409
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

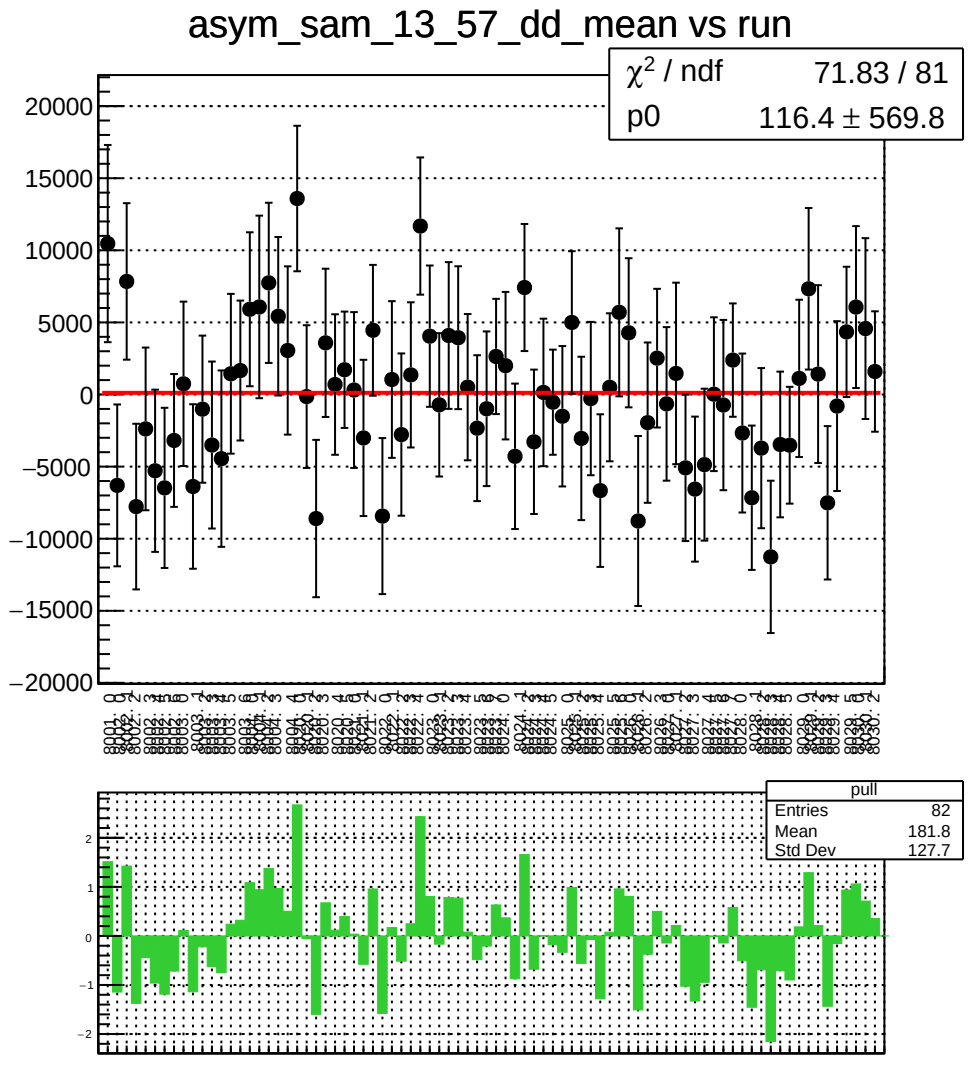

asym_sam_48_dd_rms vs run
χ² / ndf 8380 / 81
p0 1605 ± 1.272
1900
1800
1700
1600
1500
1400

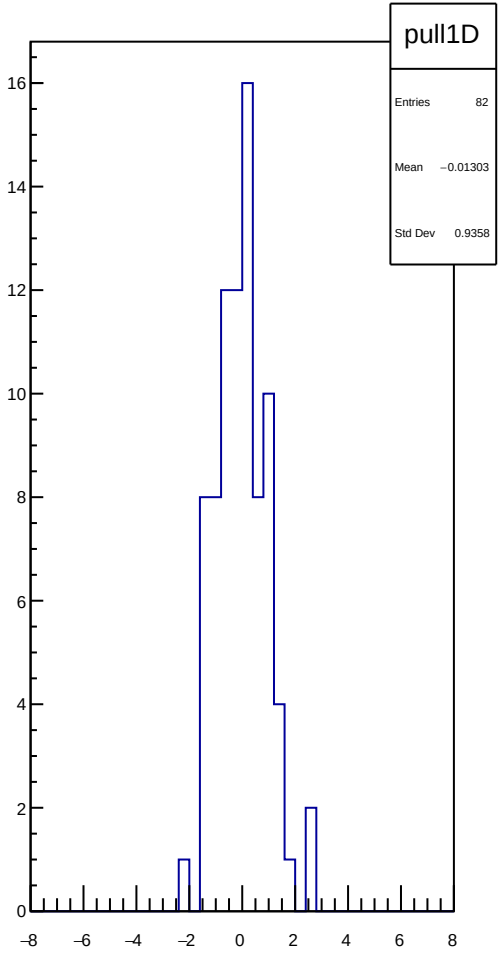

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 51.41 / 81
p0 90.71 ± 76.78
pull
Entries 82
Mean −72.44
Std Dev 97.48
pull1D
Entries 82
Mean −0.01457
Std Dev 0.7917

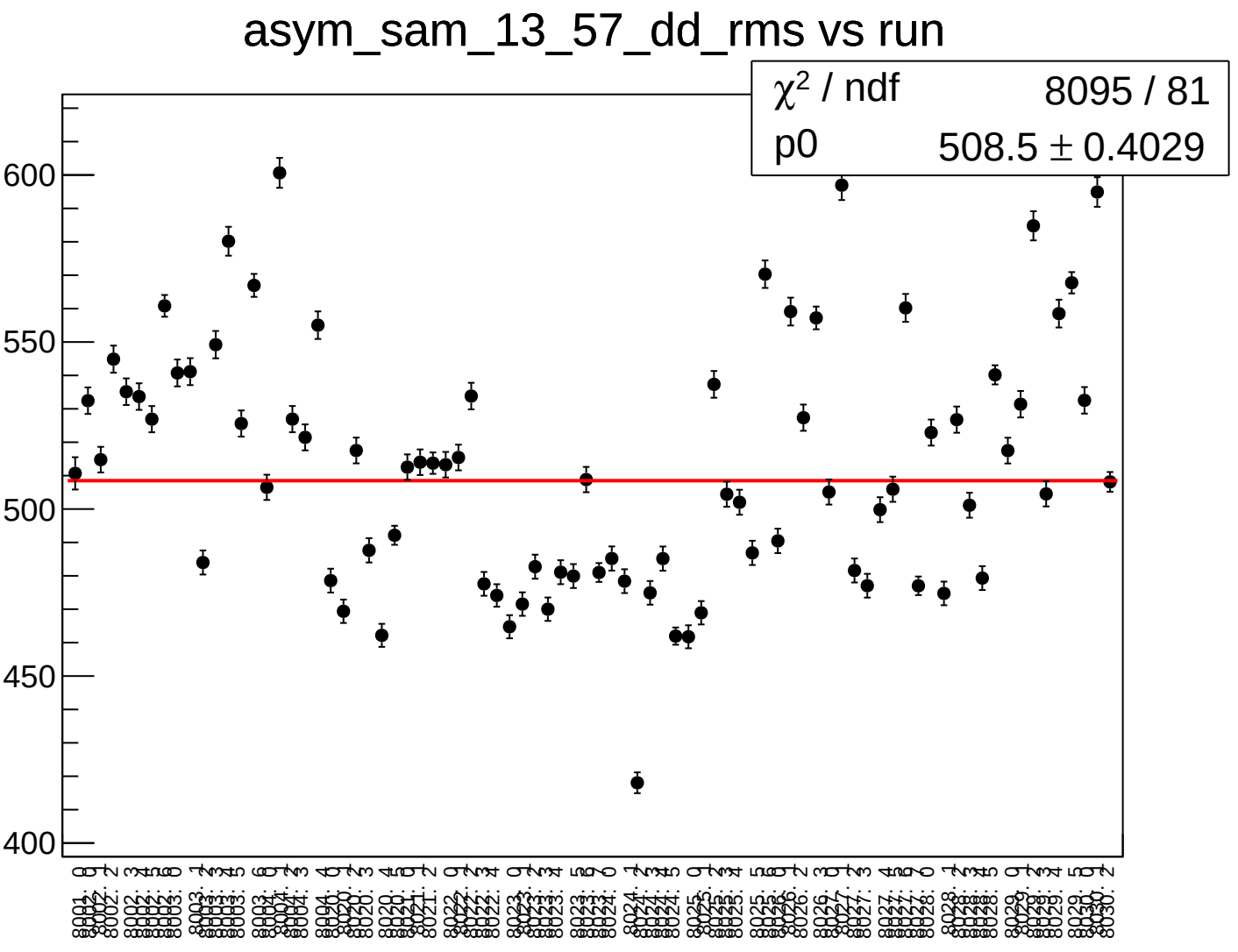

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 7461 / 81
p0 68.53 ± 0.05429
85
80
75
70
65
60

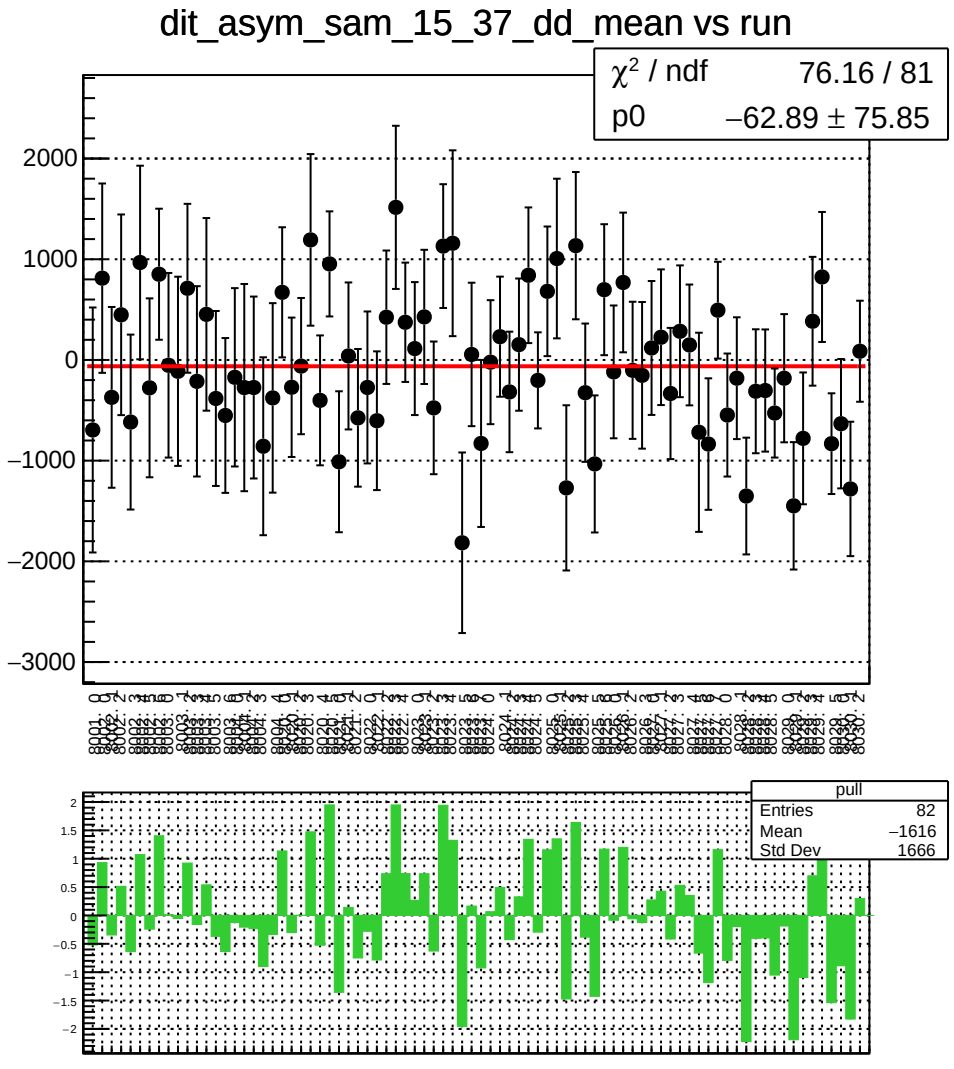

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 74.78 / 81
p0 18.72 ± 556.1
pull
Entries 82
Mean 282.4
Std Dev 233.5
pull1D
Entries 82
Mean 0.01096
Std Dev 0.9549

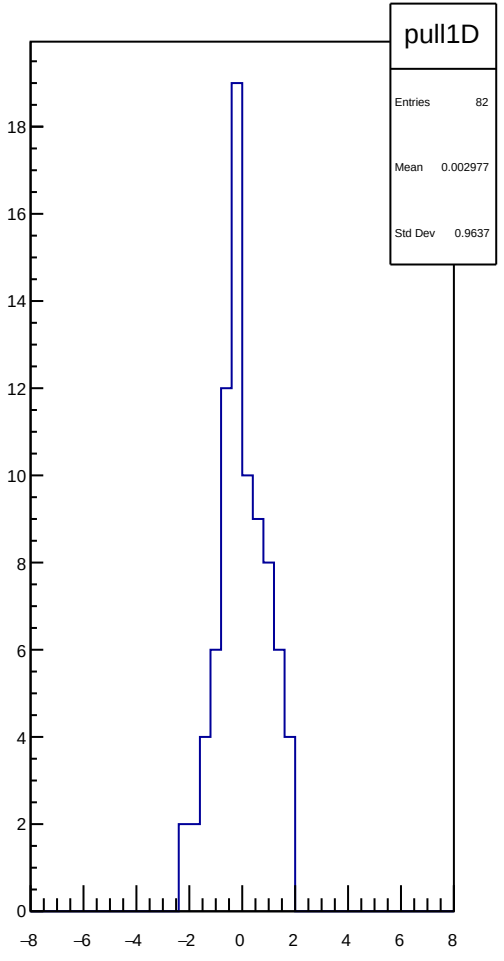

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 6801 / 81
p0 496.5 ± 0.3932
600
550
500
450
400

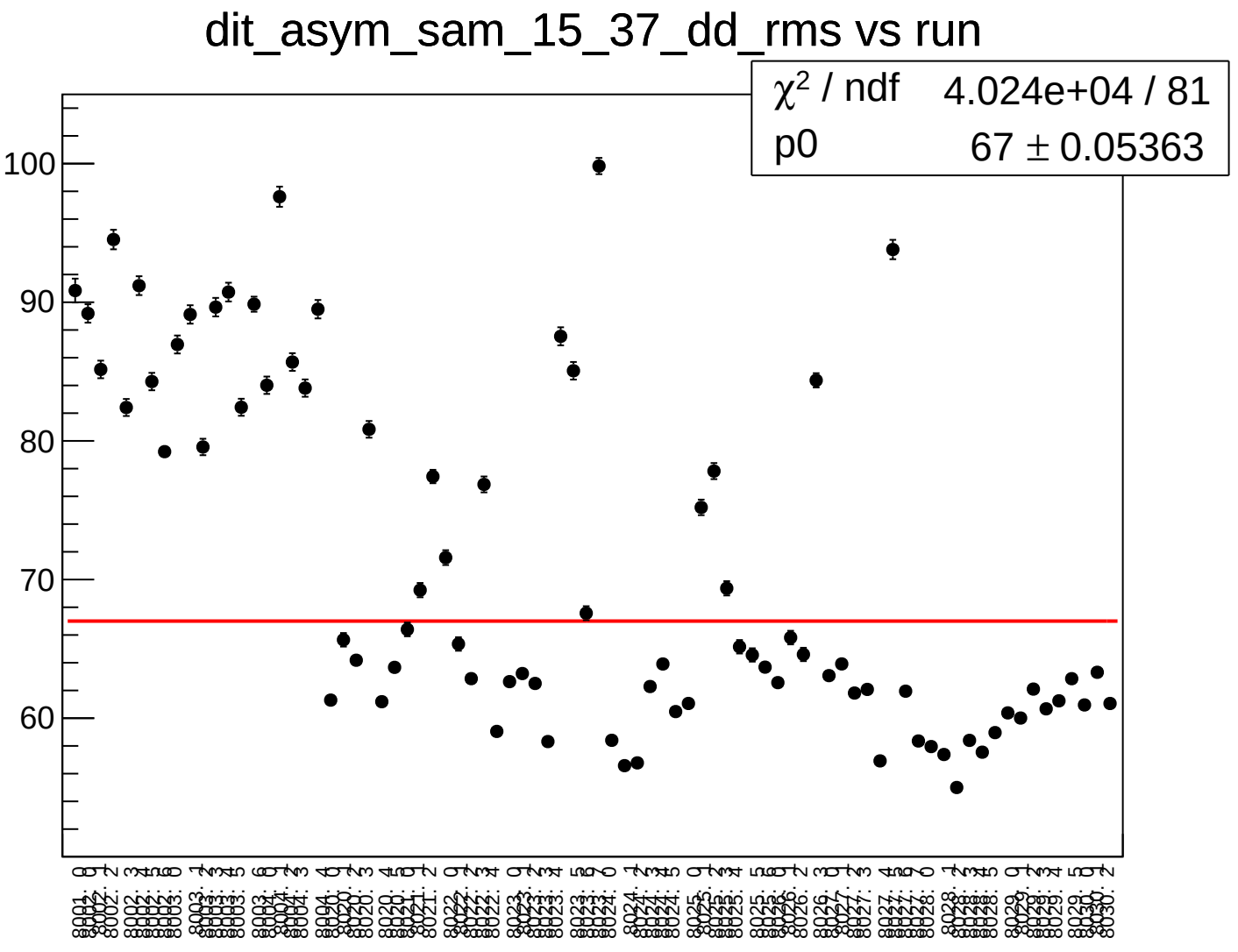

asym_sam_13_57_dd_mean vs run
χ² / ndf 71.83 / 81
p0 116.4 ± 569.8
pull
Entries 82
Mean 181.8
Std Dev 127.7

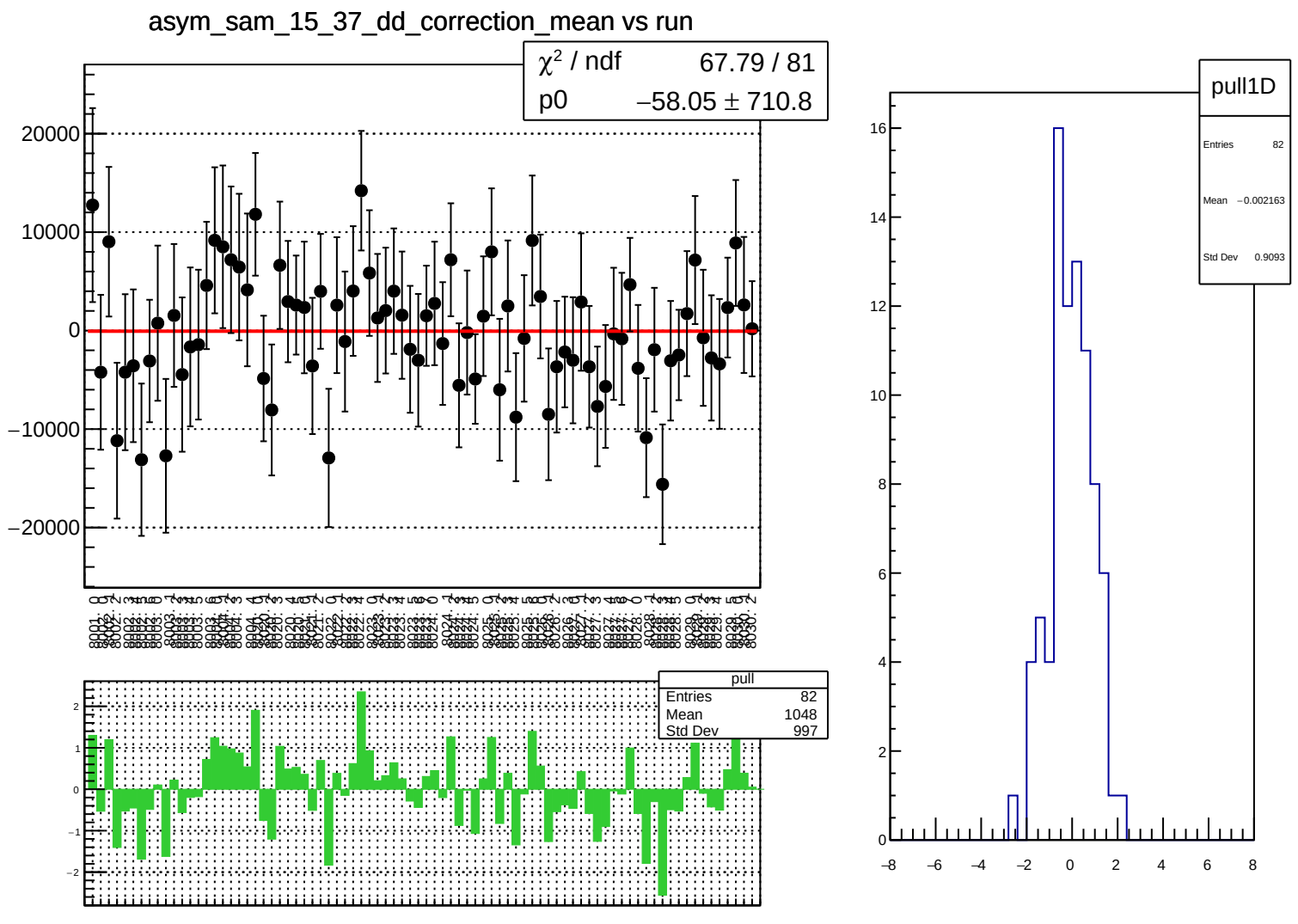

pull1D
Entries 82
Mean −0.01303
Std Dev 0.9358

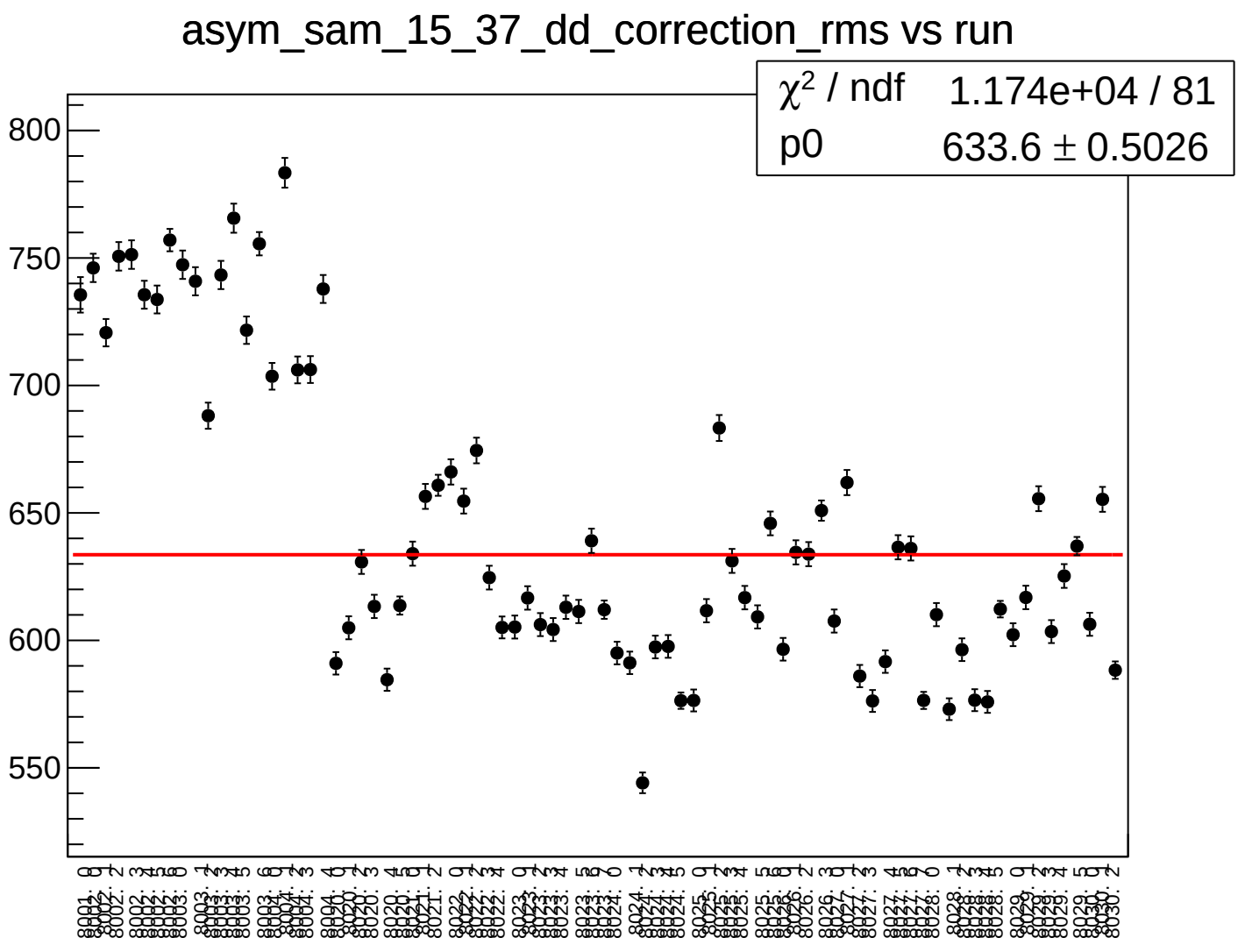

asym_sam_13_57_dd_rms vs run
χ² / ndf 8095 / 81
p0 508.5 ± 0.4029
600
550
500
450
400

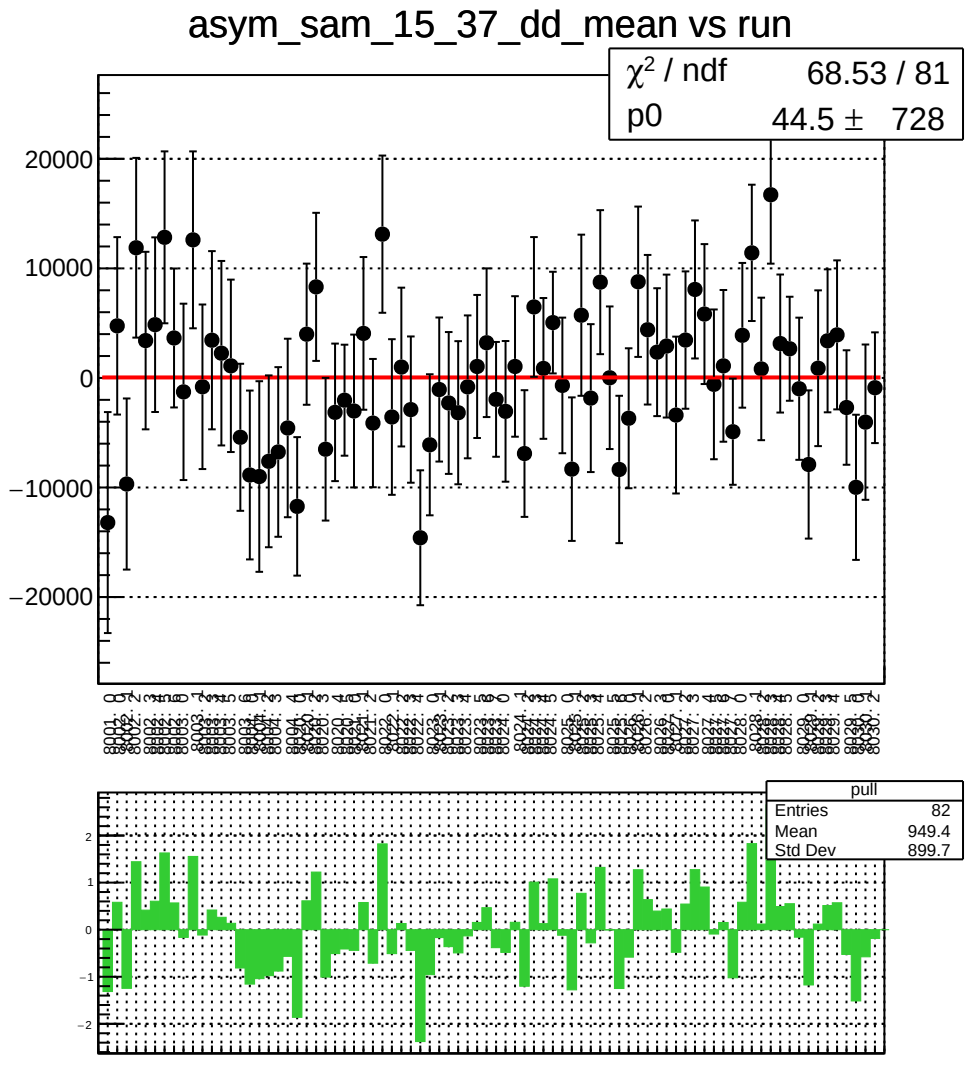

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 76.16 / 81
p0 −62.89 ± 75.85
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −1616
Std Dev 1666
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

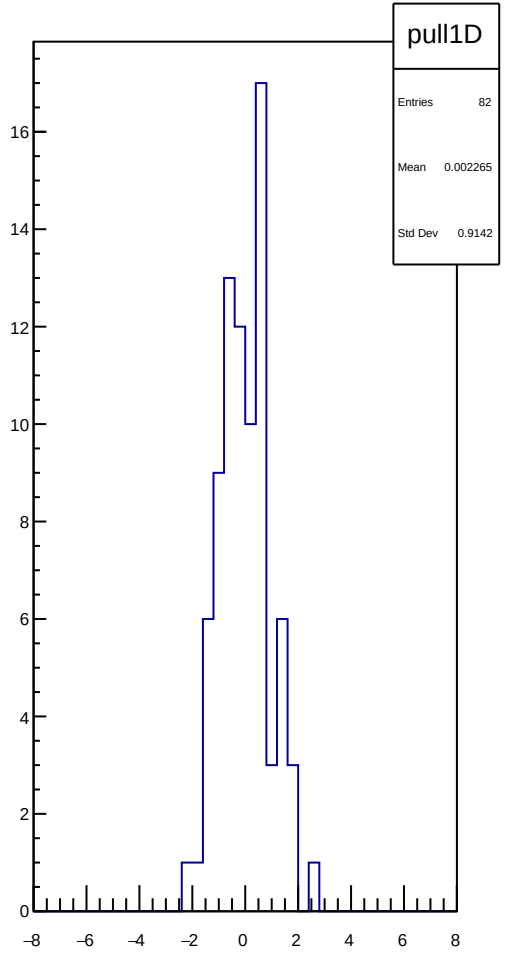

pull1D
Entries 82
Mean 0.002977
Std Dev 0.9637
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

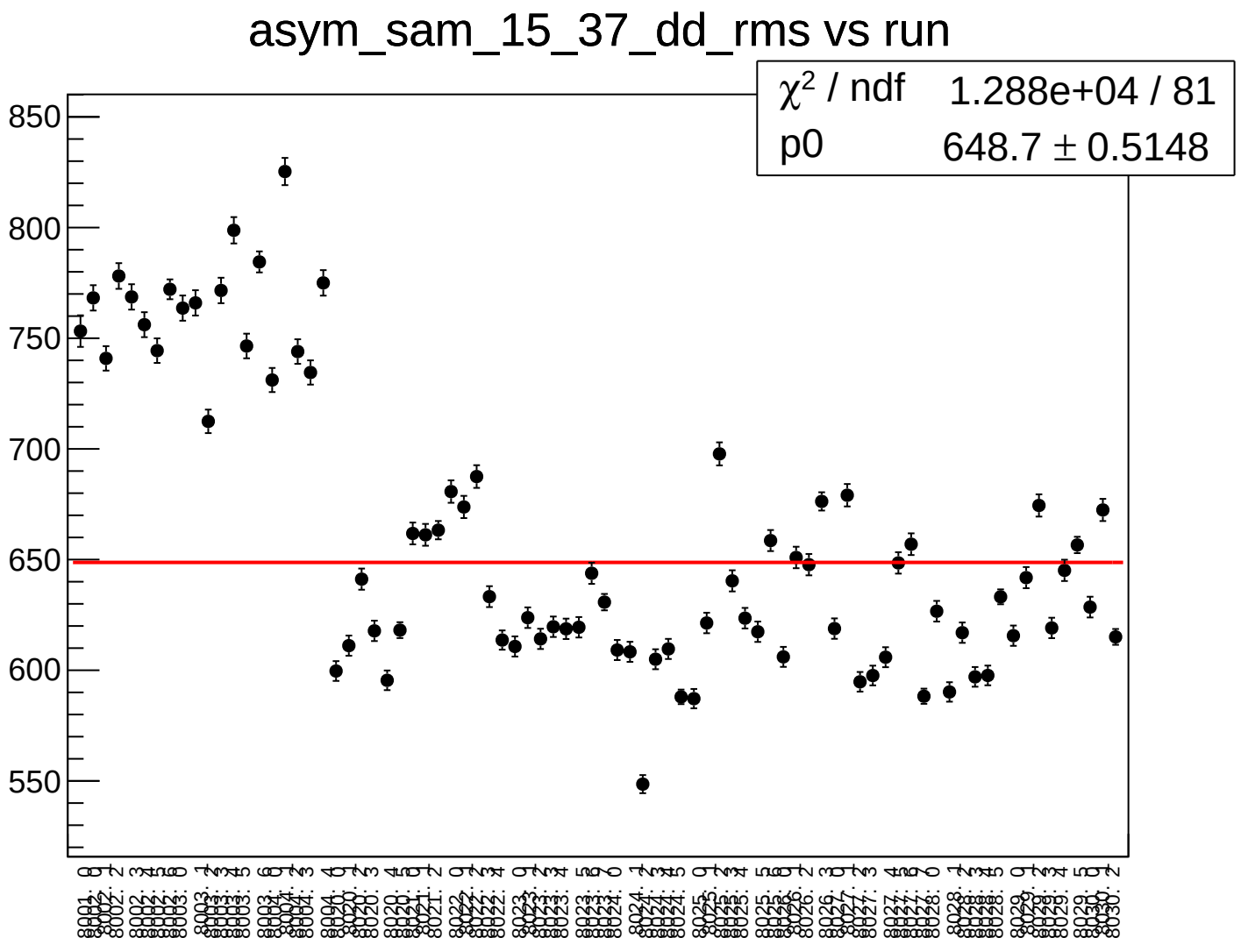

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 4.024e+04 / 81
p0 67 ± 0.05363
100
90
80
70
60

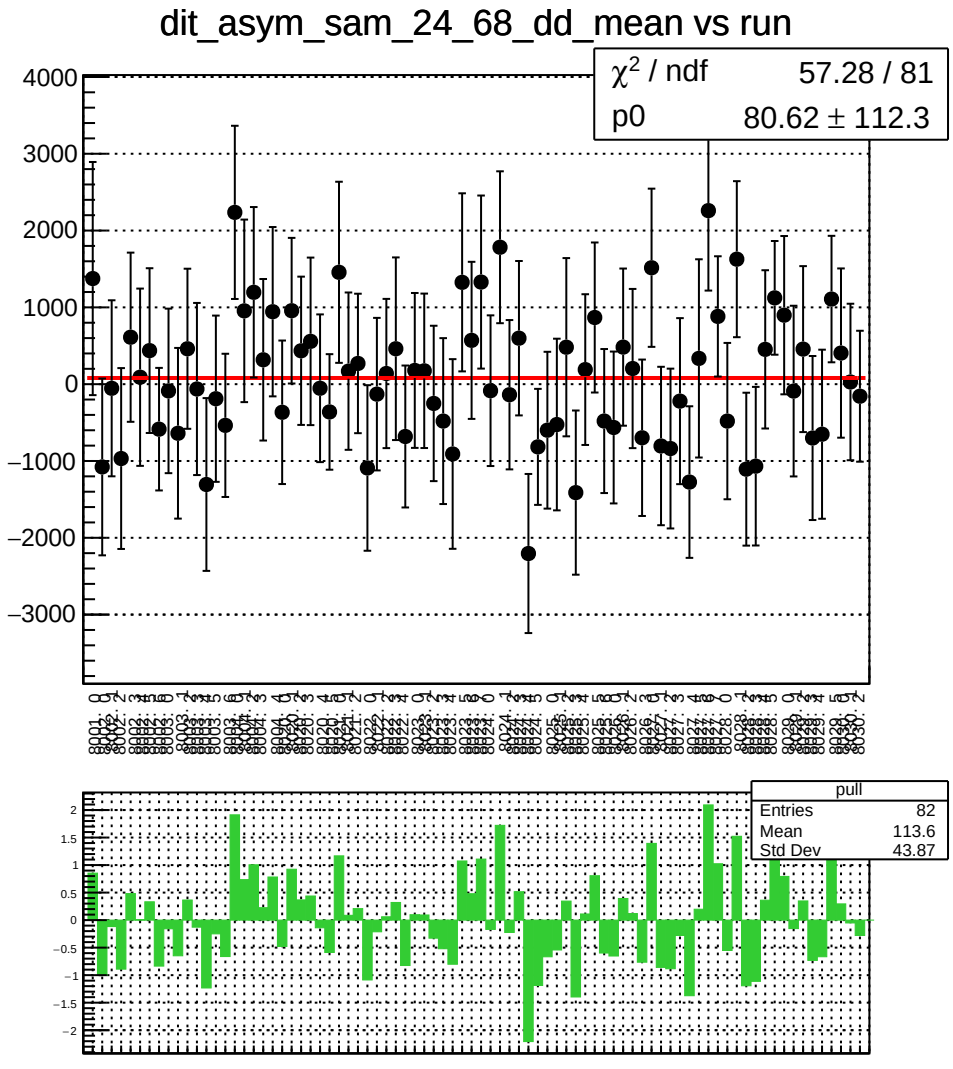

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 67.79 / 81
p0 −58.05 ± 710.8
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 1048
Std Dev 997
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.002163
Std Dev 0.9093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

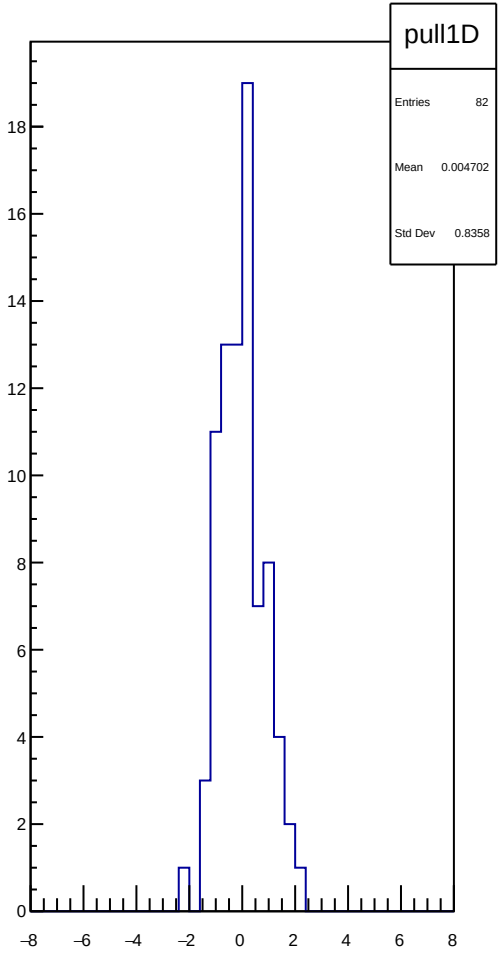

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.174e+04 / 81
p0 633.6 ± 0.5026
800
750
700
650
600
550

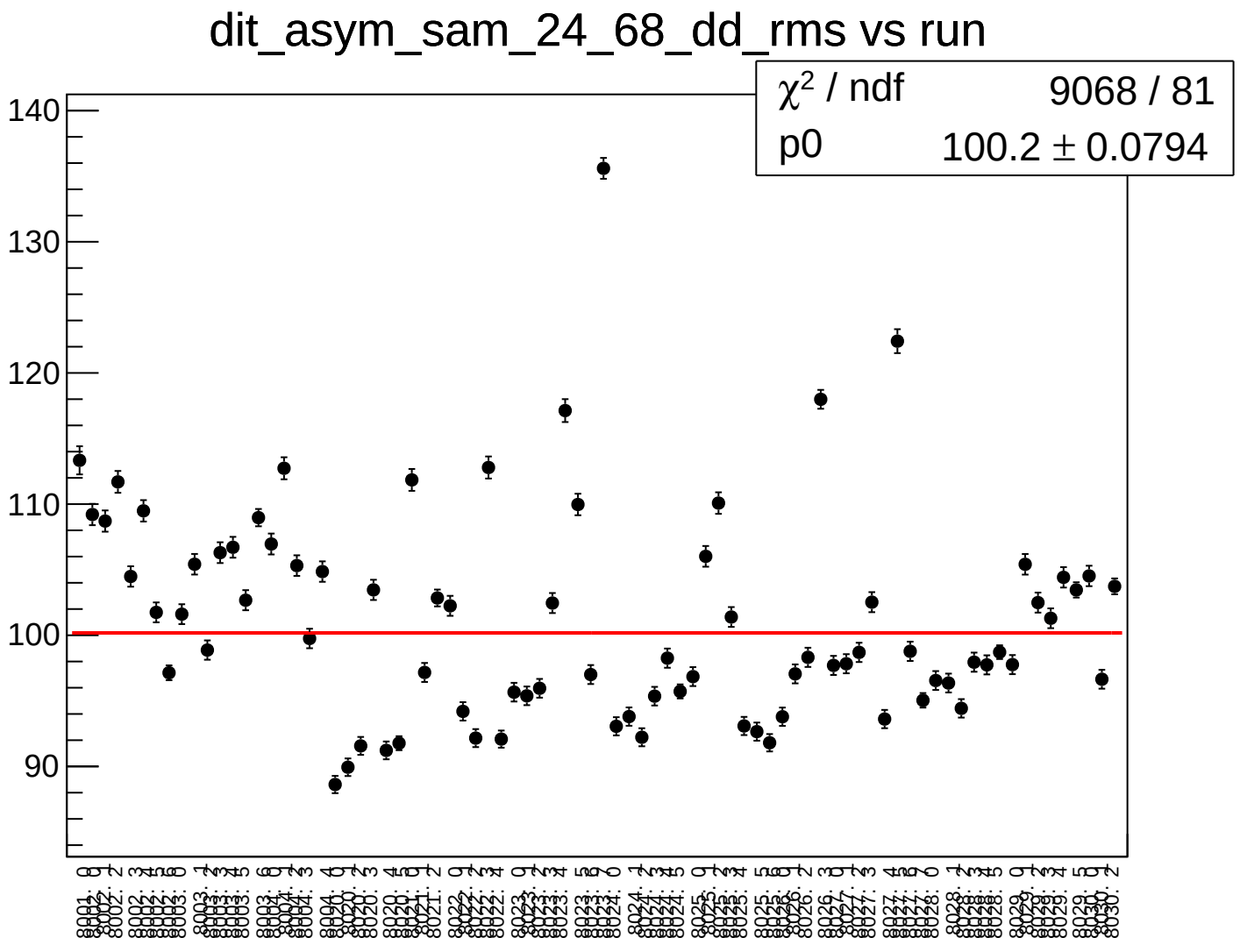

asym_sam_15_37_dd_mean vs run
χ² / ndf 68.53 / 81
p0 44.5 ± 728
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 949.4
Std Dev 899.7
2
1
0
−1
−2

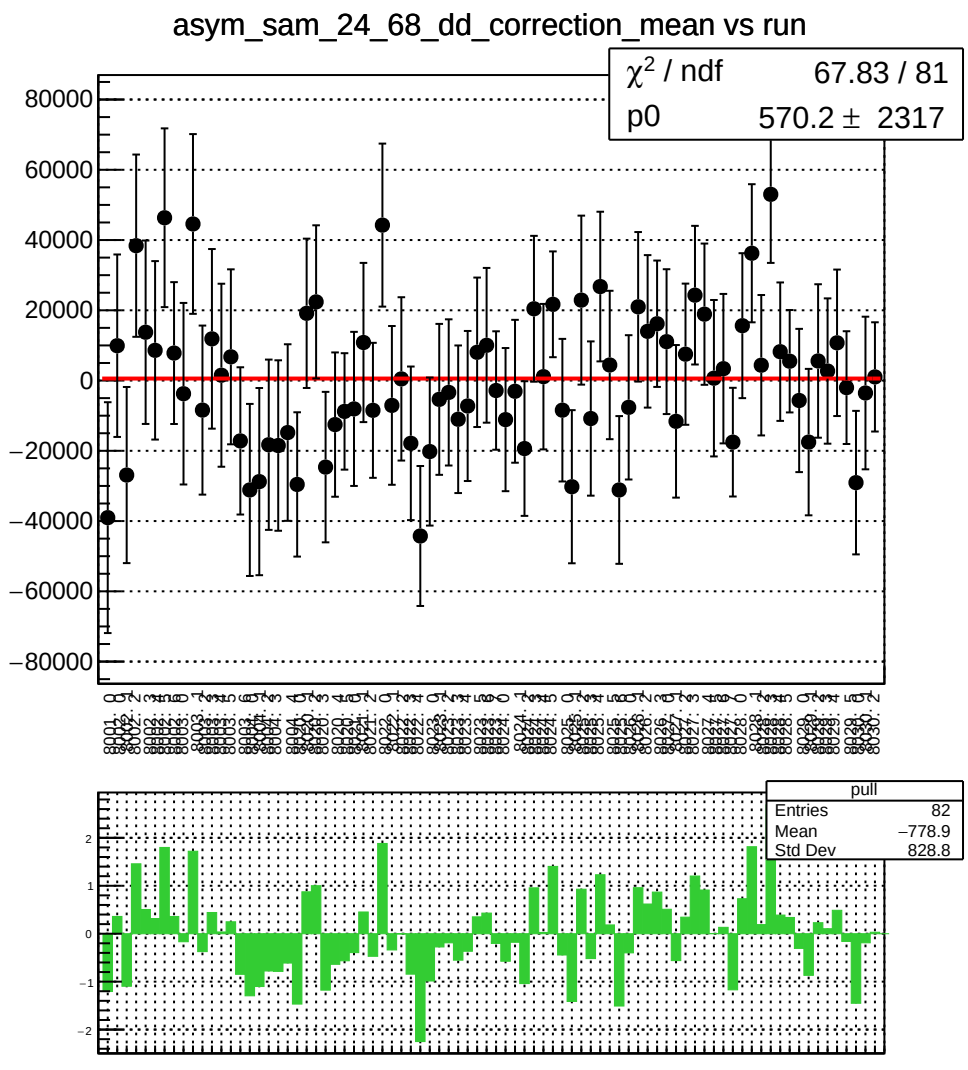

pull1D
Entries 82
Mean 0.002265
Std Dev 0.9142
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

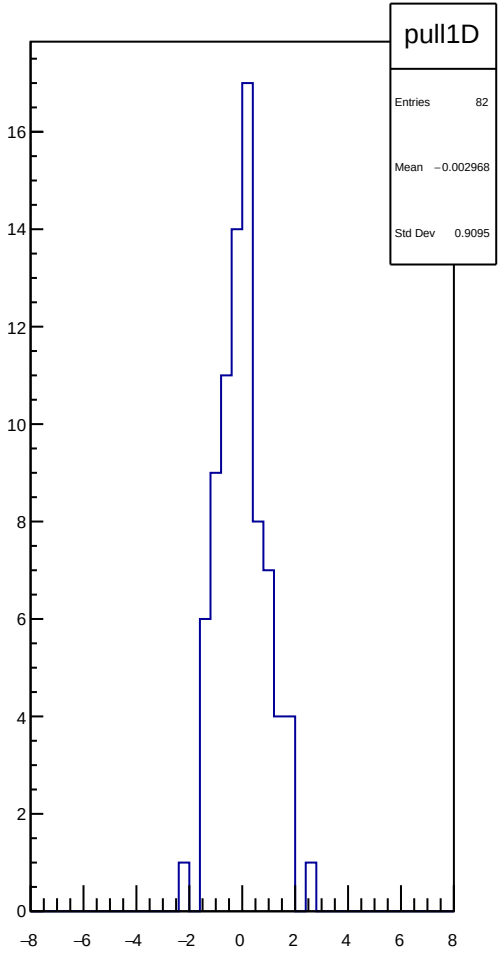

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.288e+04 / 81
p0 648.7 ± 0.5148
850
800
750
700
650
600
550

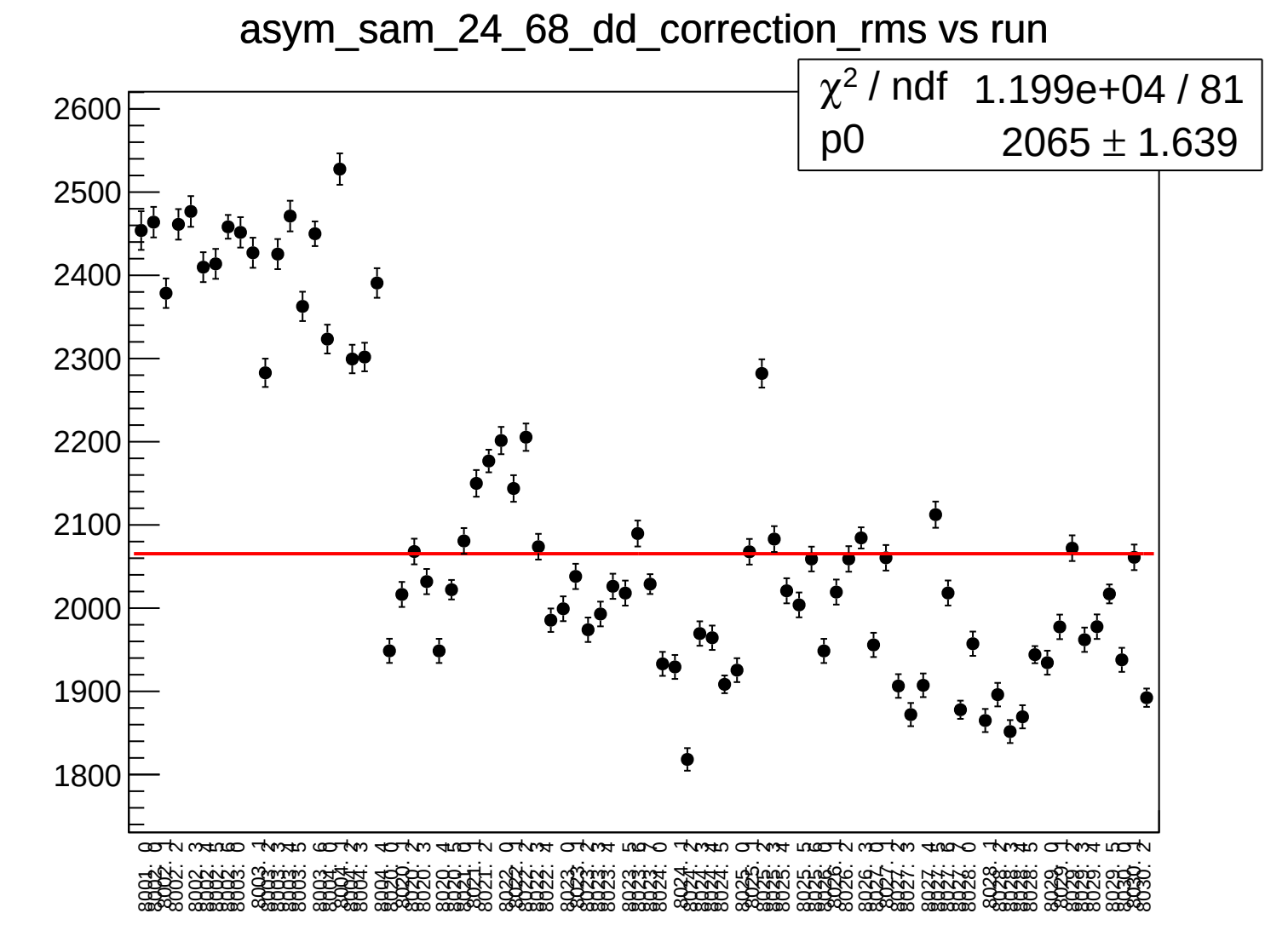

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 57.28 / 81
p0 80.62 ± 112.3
pull
Entries 82
Mean 113.6
Std Dev 43.87

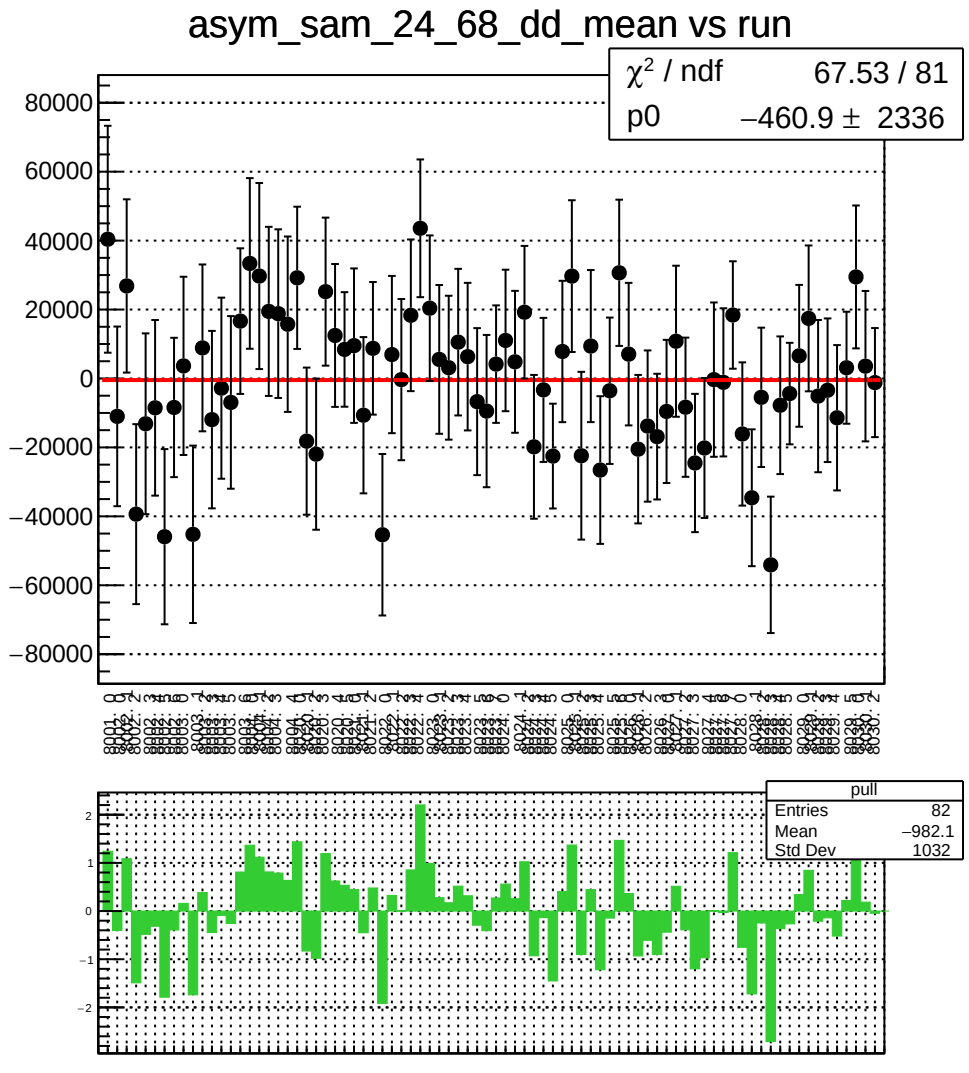

pull1D
Entries 82
Mean 0.004702
Std Dev 0.8358

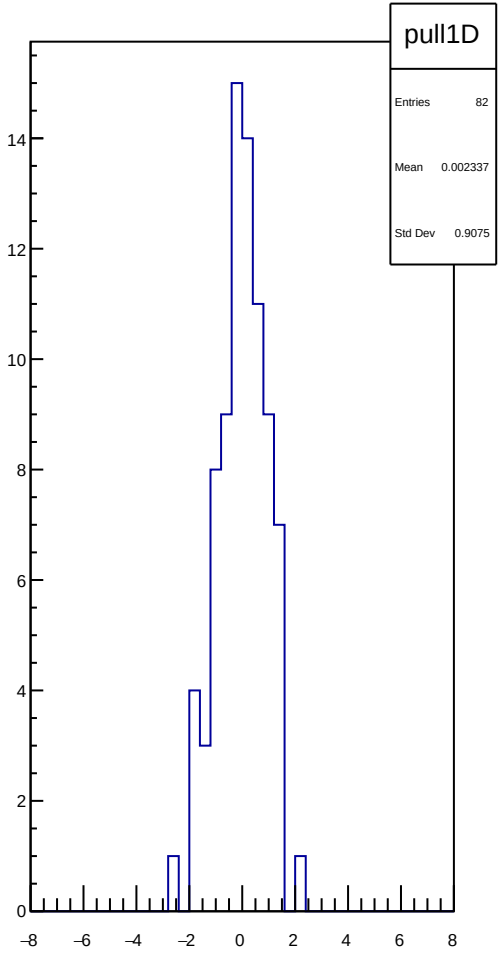

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 9068 / 81
p0 100.2 ± 0.0794
140
130
120
110
100
90

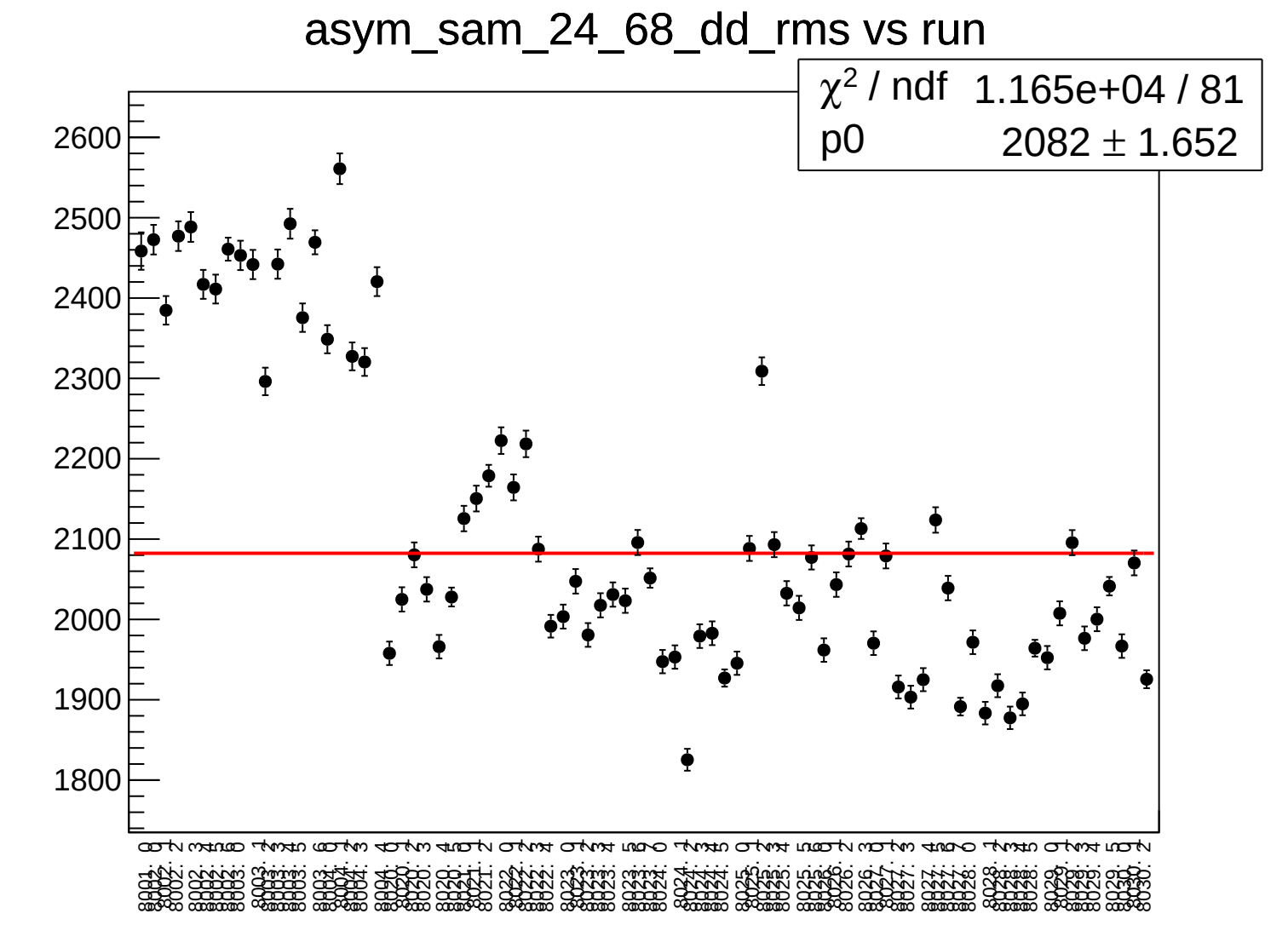

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 67.83 / 81
p0 570.2 ± 2317
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −778.9
Std Dev 828.8
2
1
0
−1
−2

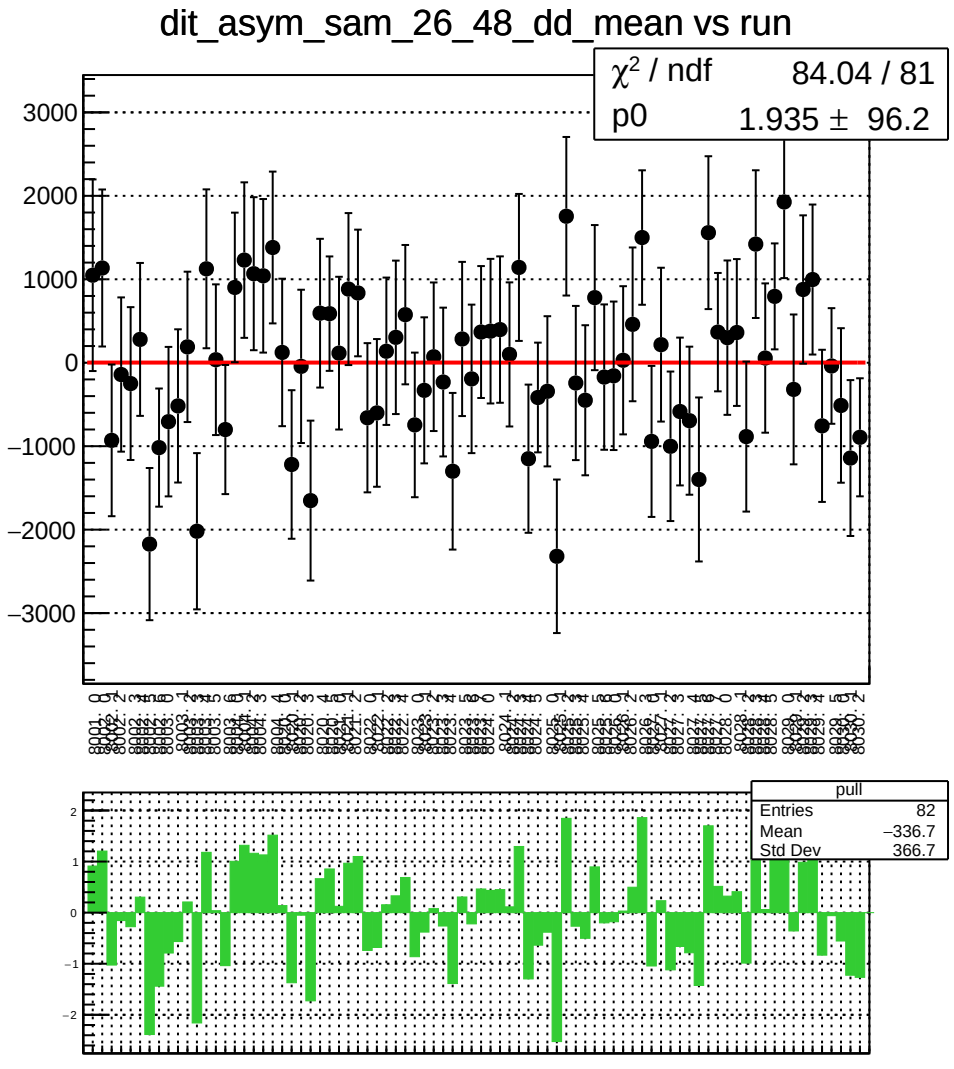

pull1D
Entries 82
Mean −0.002968
Std Dev 0.9095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

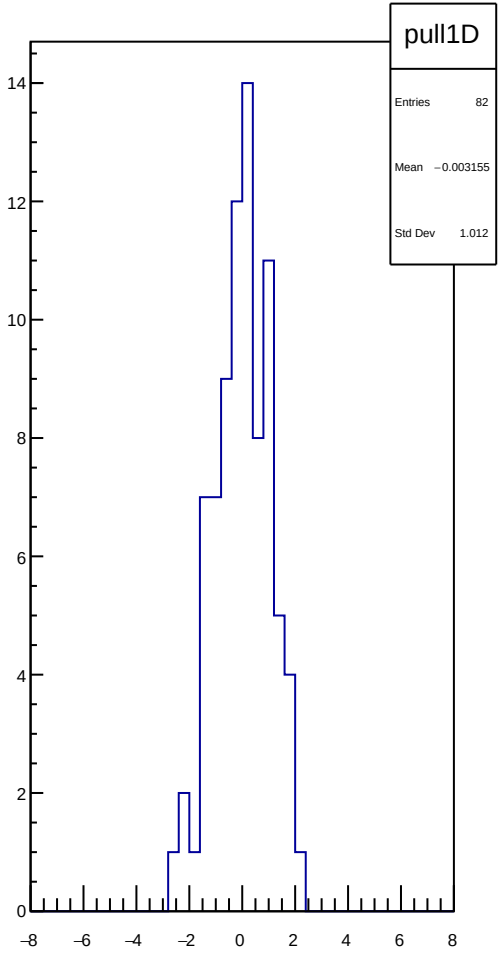

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.199e+04 / 81
p0 2065 ± 1.639
2600
2500
2400
2300
2200
2100
2000
1900
1800

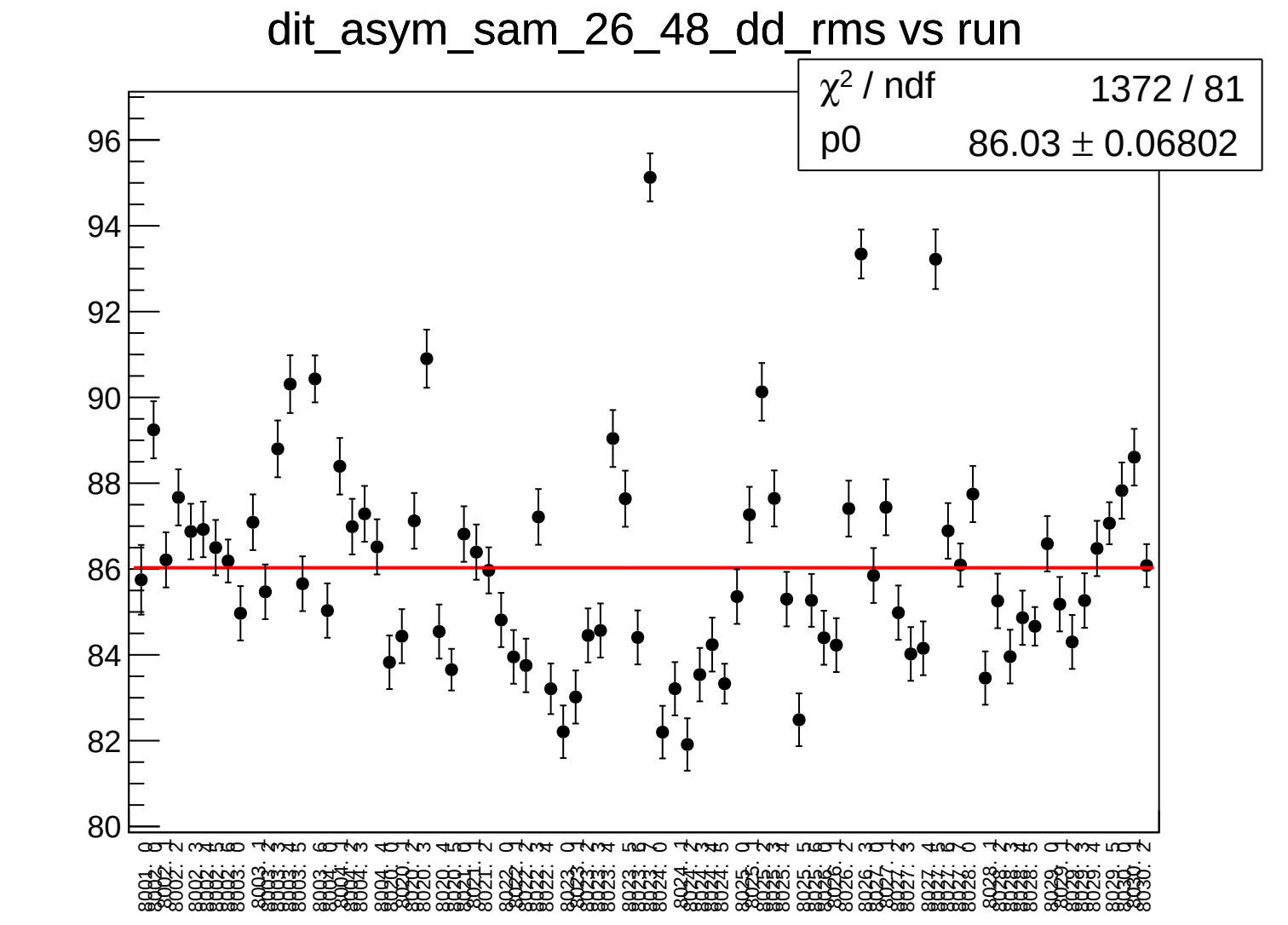

asym_sam_24_68_dd_mean vs run
χ² / ndf 67.53 / 81
p0 −460.9 ± 2336
pull
Entries 82
Mean −982.1
Std Dev 1032

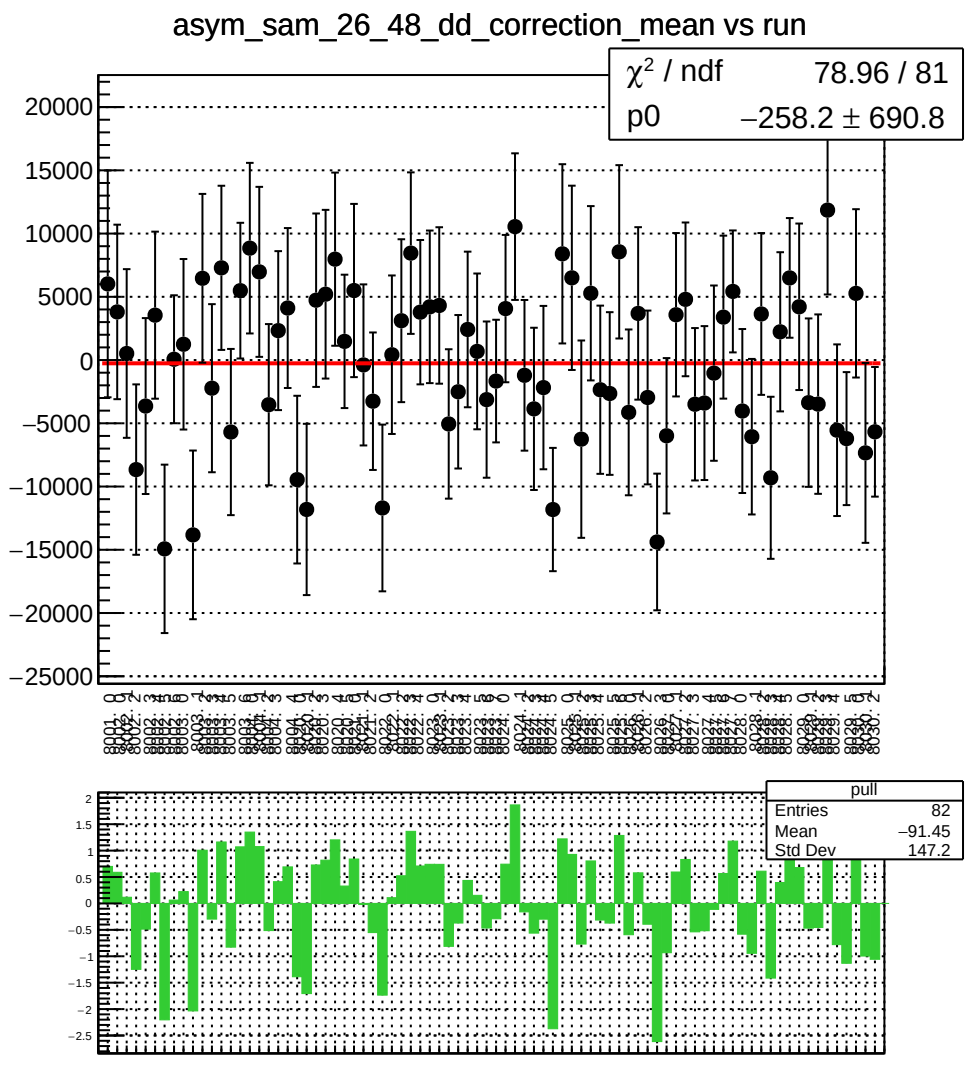

pull1D
Entries 82
Mean 0.002337
Std Dev 0.9075

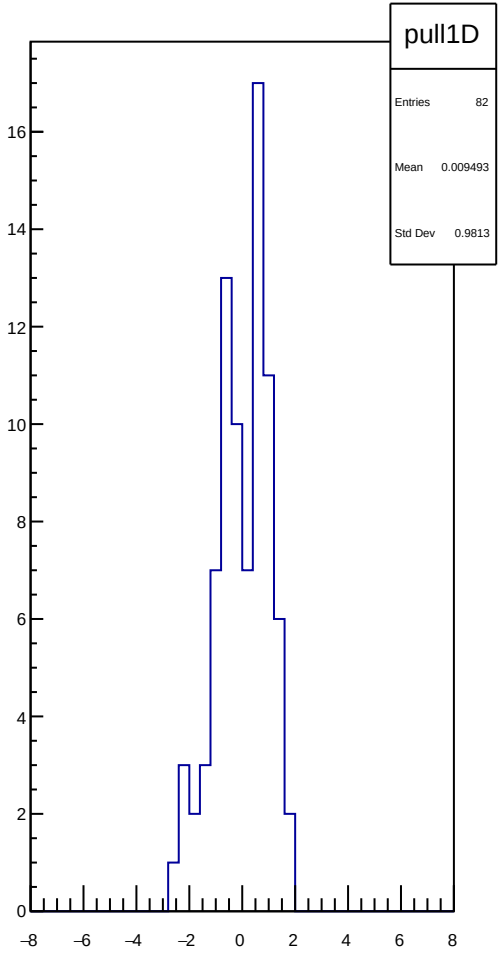

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.165e+04 / 81
p0 2082 ± 1.652
2600
2500
2400
2300
2200
2100
2000
1900
1800

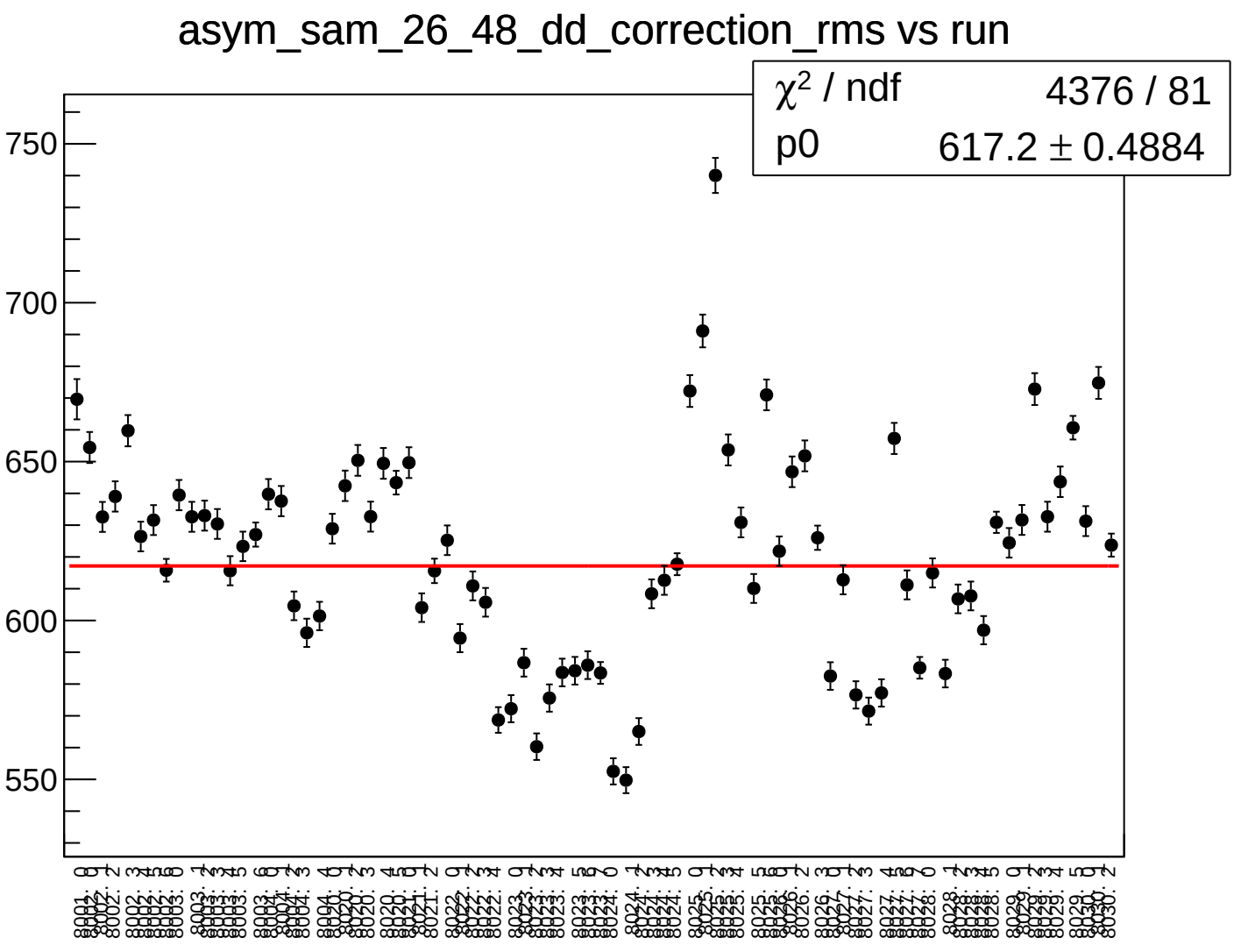

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 84.04 / 81
p0 1.935 ± 96.2
pull
Entries 82
Mean −336.7
Std Dev 366.7

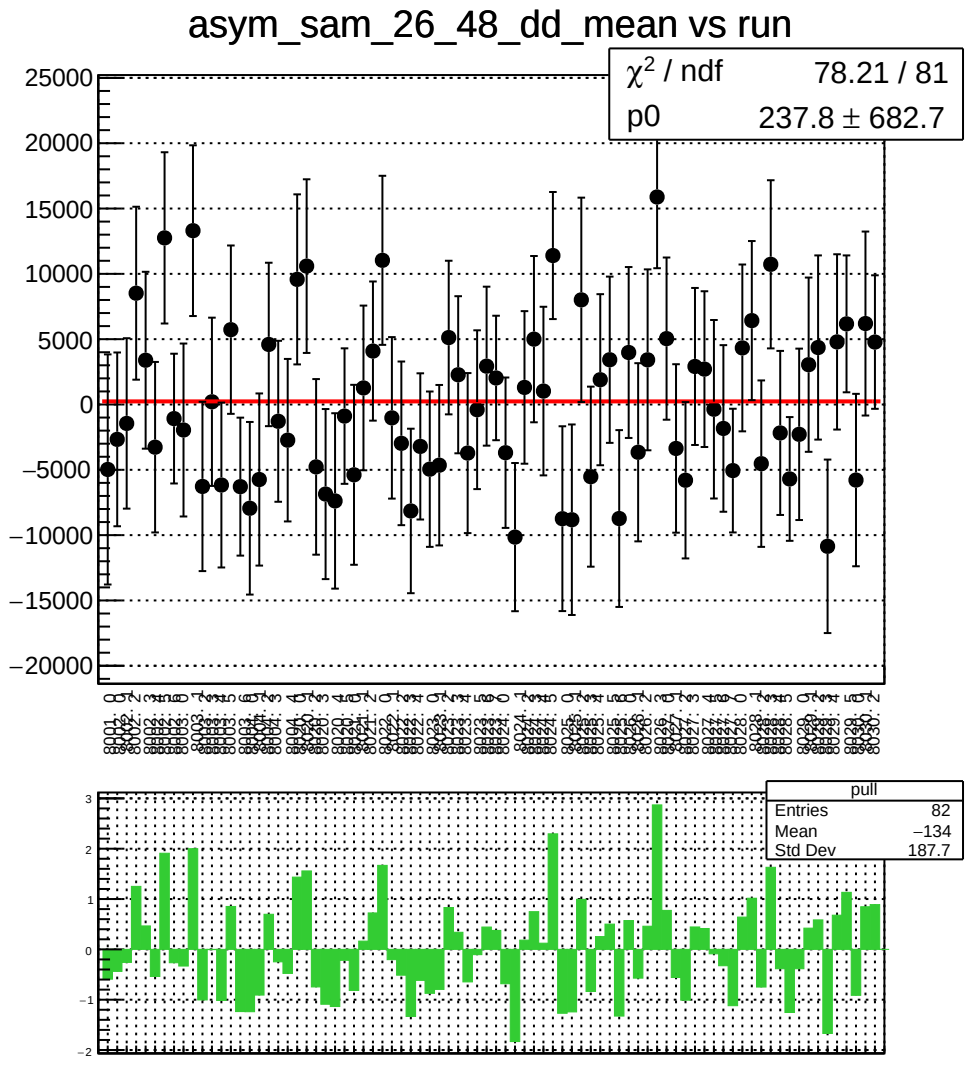

pull1D
Entries 82
Mean −0.003155
Std Dev 1.012

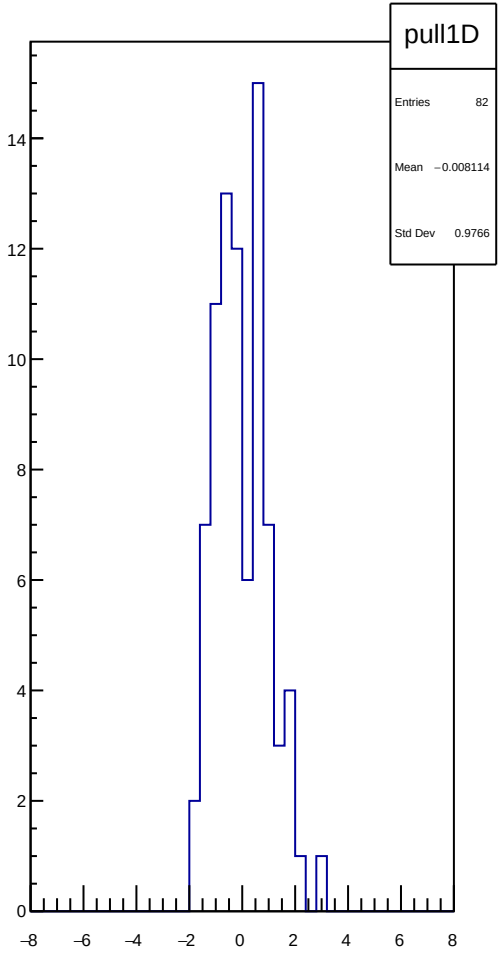

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1372 / 81
p0 86.03 ± 0.06802
96
94
92
90
88
86
84
82
80

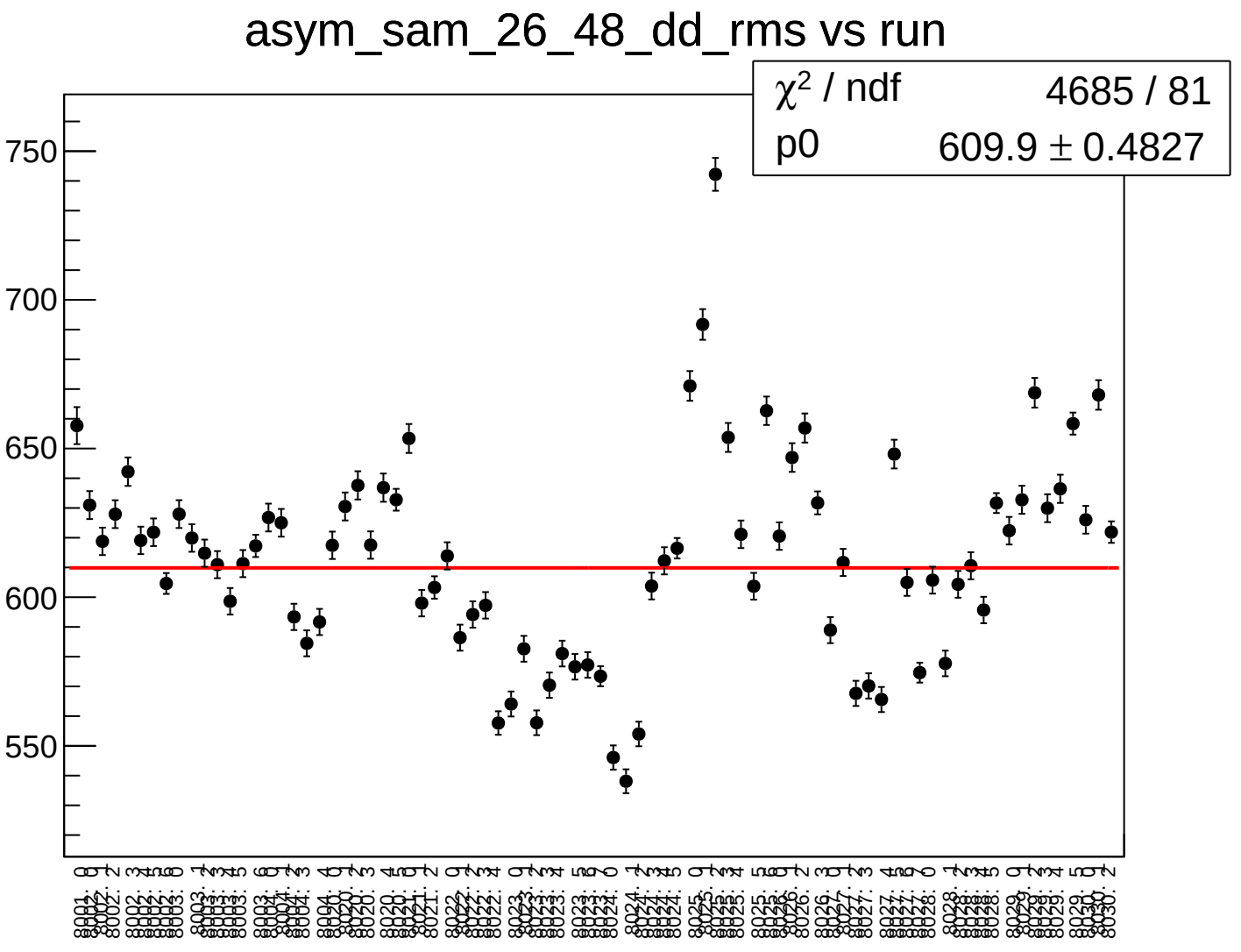

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 78.96 / 81
p0 −258.2 ± 690.8
pull
Entries 82
Mean −91.45
Std Dev 147.2

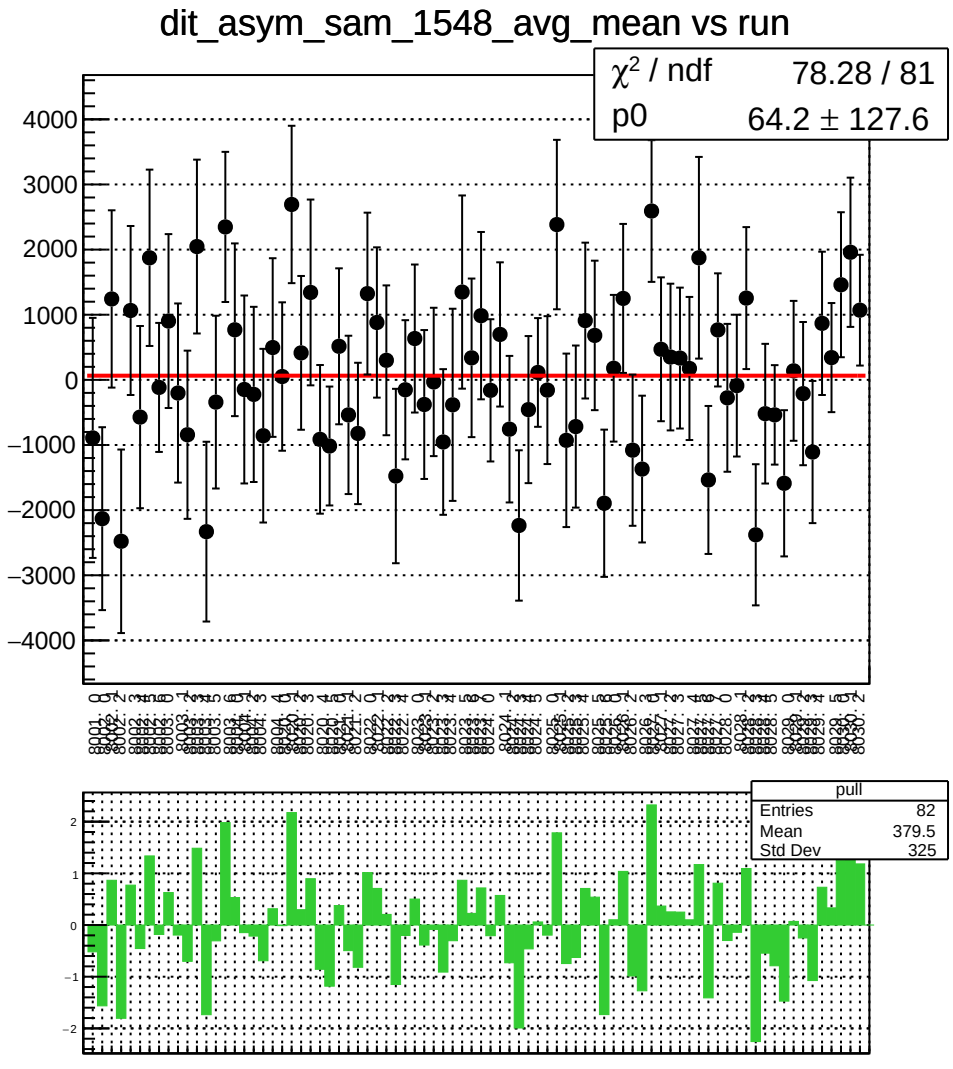

pull1D
Entries 82
Mean 0.009493
Std Dev 0.9813

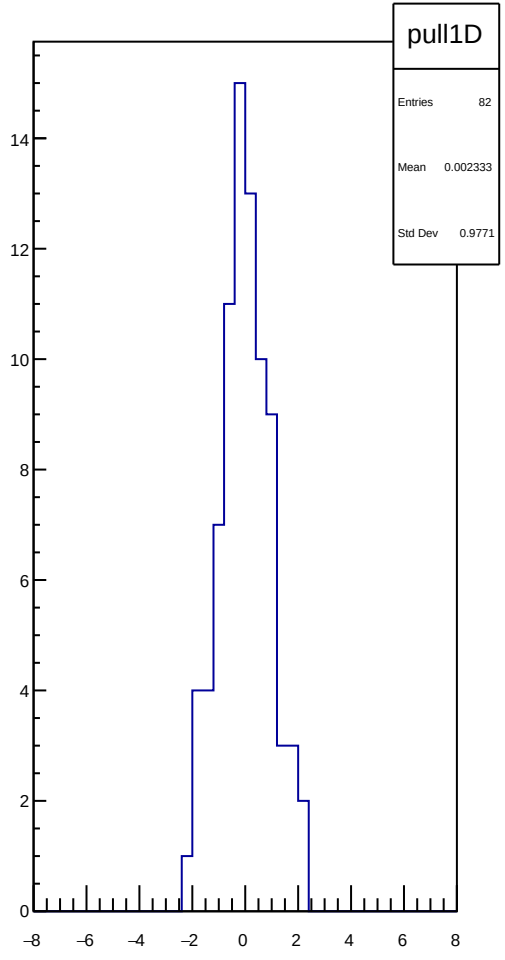

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 4376 / 81
p0 617.2 ± 0.4884
750
700
650
600
550

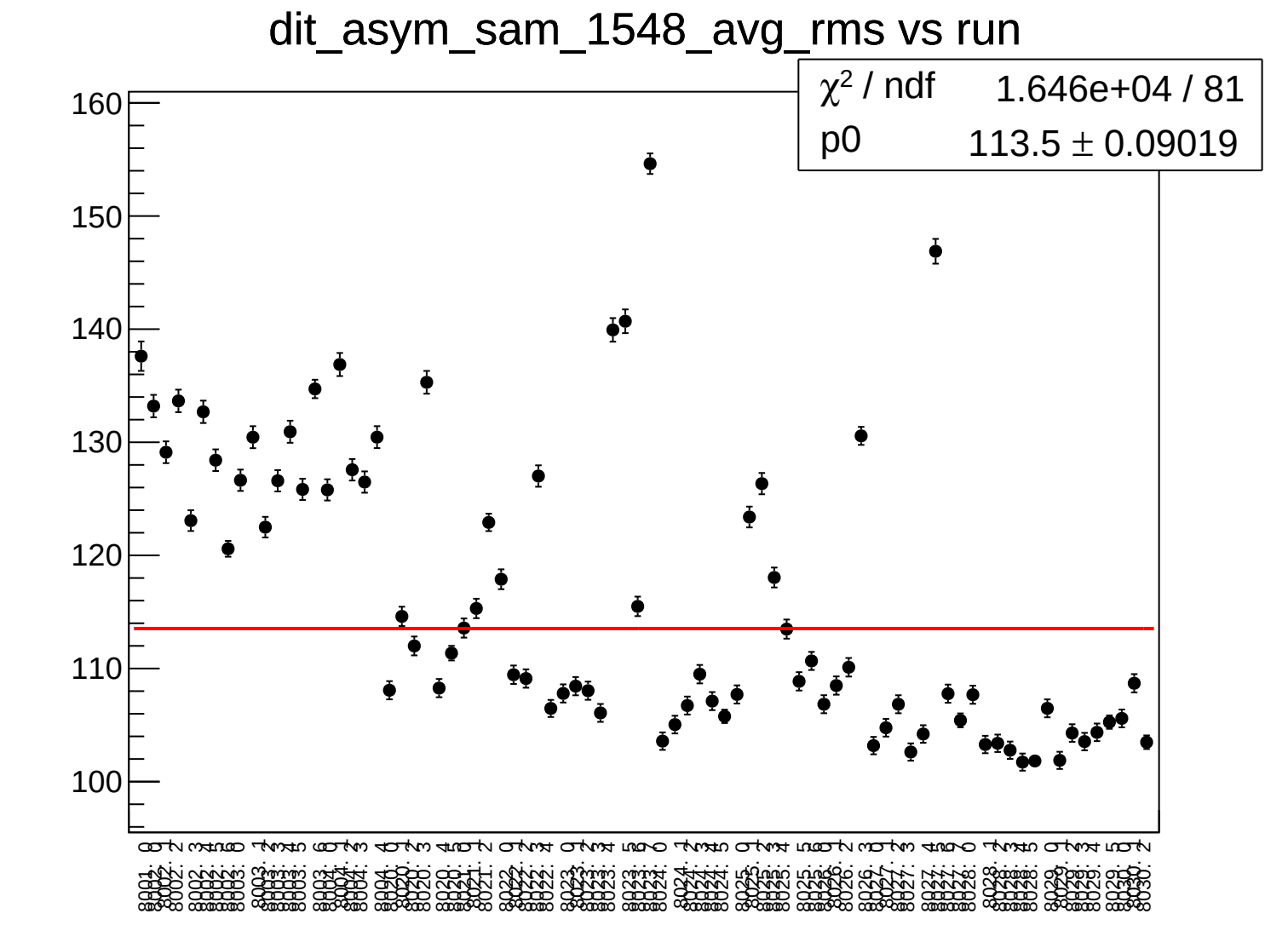

asym_sam_26_48_dd_mean vs run
χ² / ndf 78.21 / 81
p0 237.8 ± 682.7
pull
Entries 82
Mean −134
Std Dev 187.7

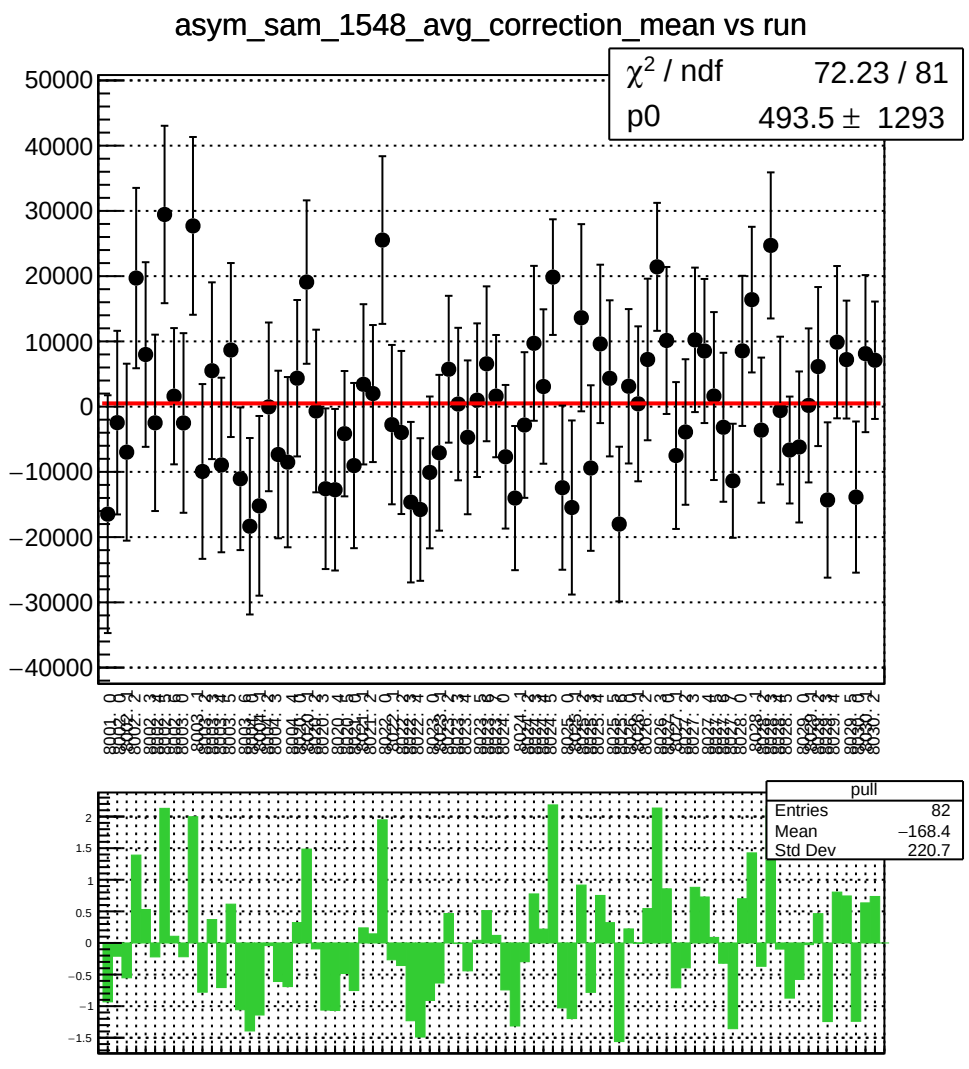

pull1D
Entries 82
Mean −0.008114
Std Dev 0.9766

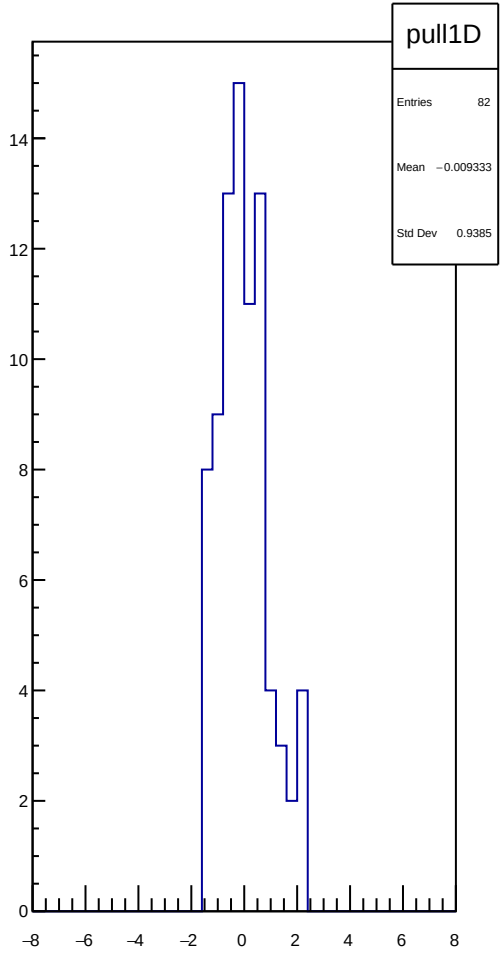

asym_sam_26_48_dd_rms vs run
χ² / ndf 4685 / 81
p0 609.9 ± 0.4827
750
700
650
600
550

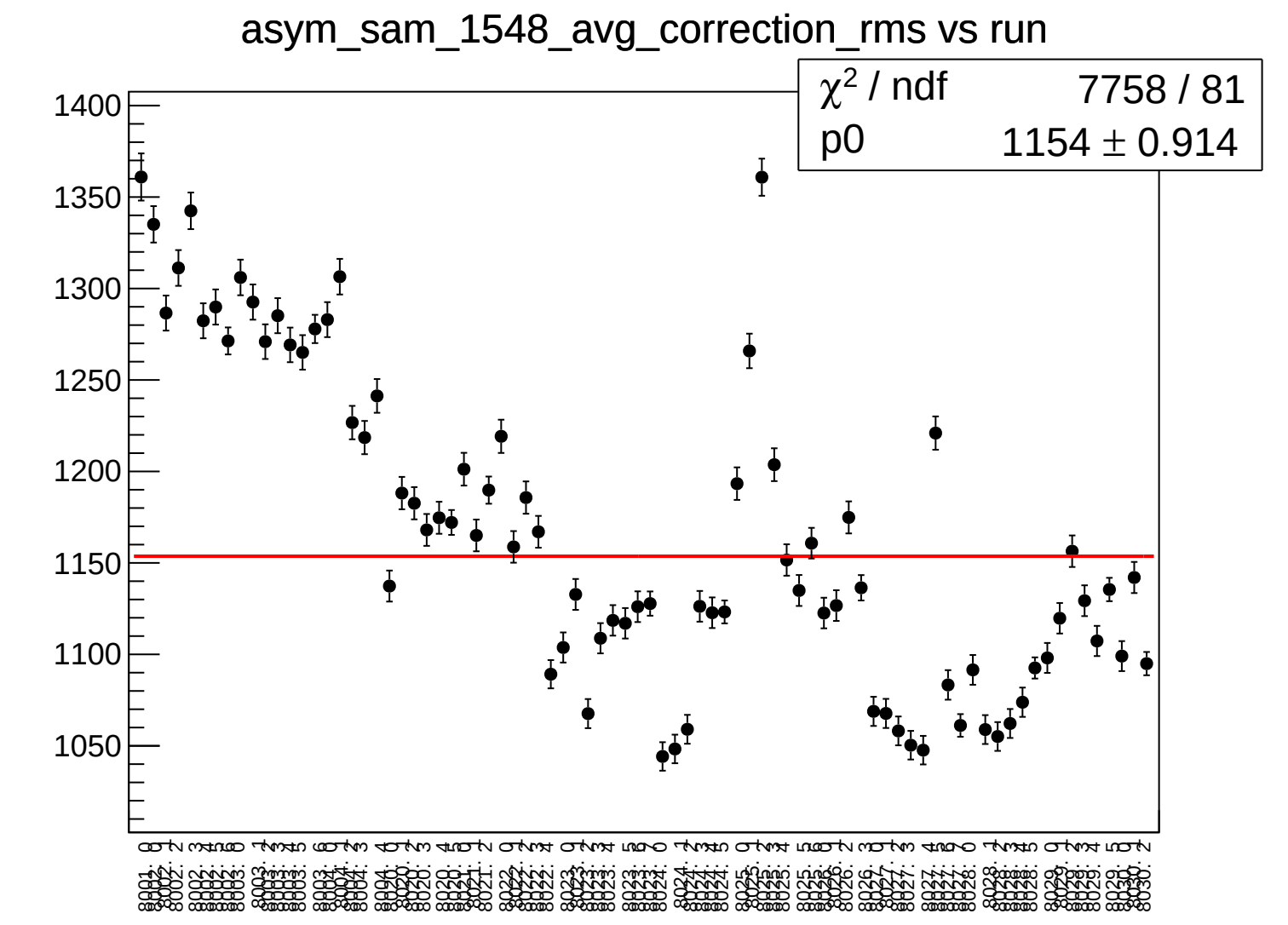

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 78.28 / 81
p0 64.2 ± 127.6
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 82
Mean 379.5
Std Dev 325
2
1
0
−1
−2

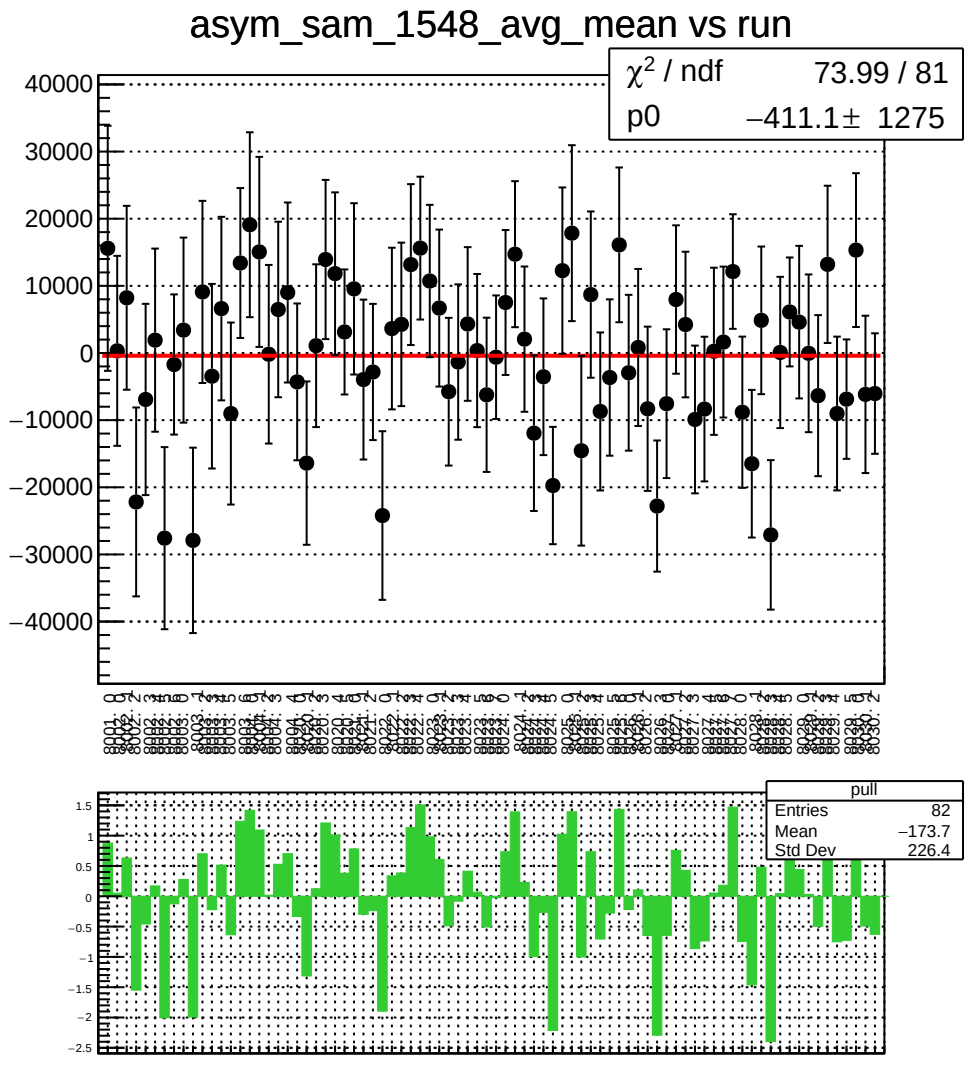

pull1D
Entries 82
Mean 0.002333
Std Dev 0.9771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

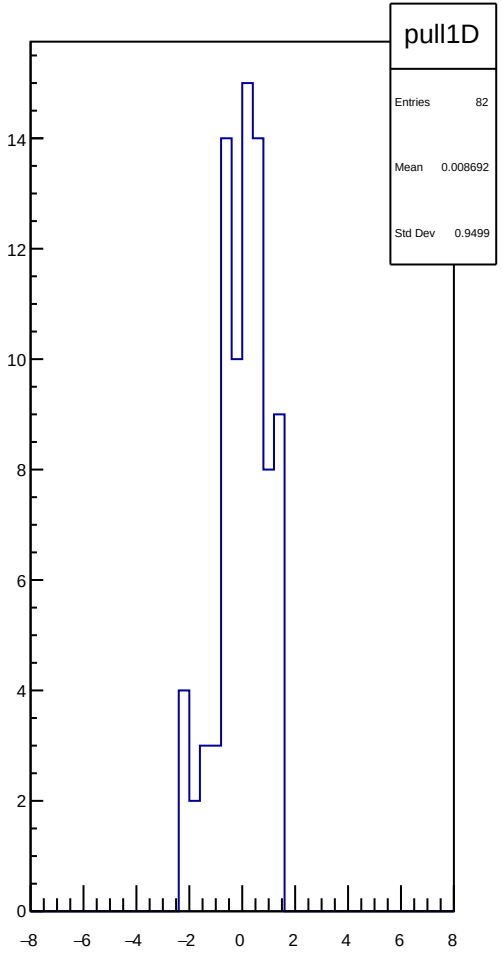

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.646e+04 / 81
p0 113.5 ± 0.09019
160
150
140
130
120
110
100

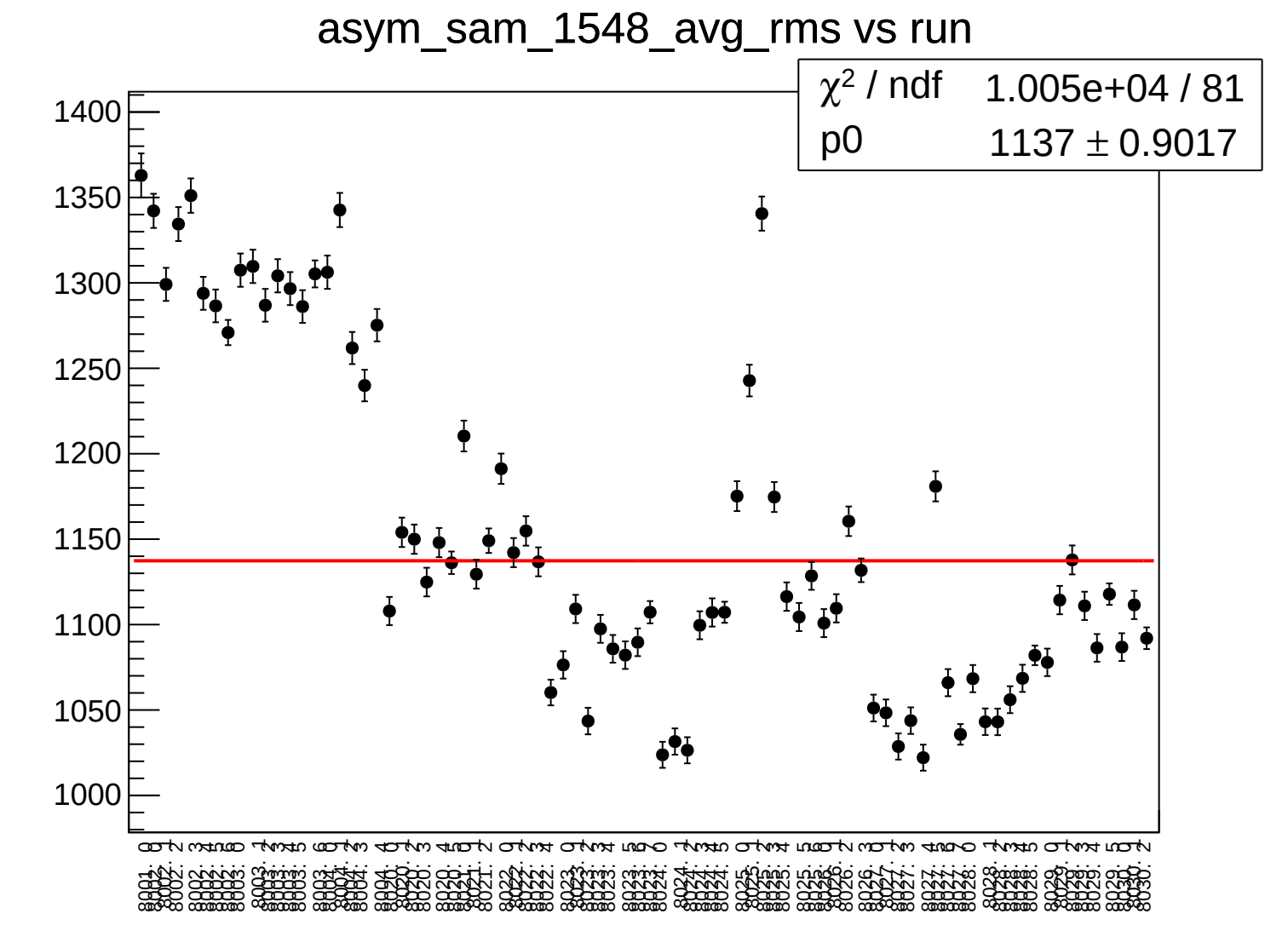

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 72.23 / 81
p0 493.5 ± 1293
pull
Entries 82
Mean −168.4
Std Dev 220.7

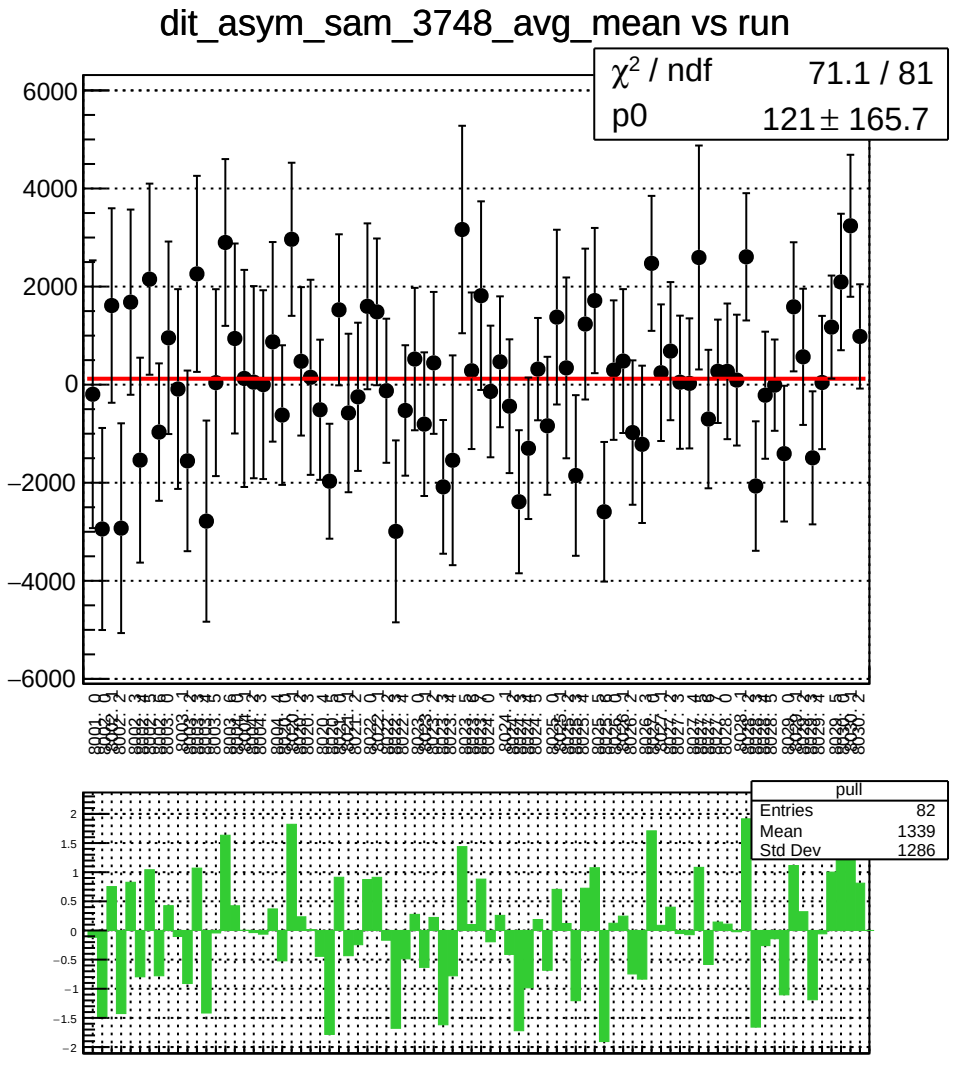

pull1D
Entries 82
Mean −0.009333
Std Dev 0.9385

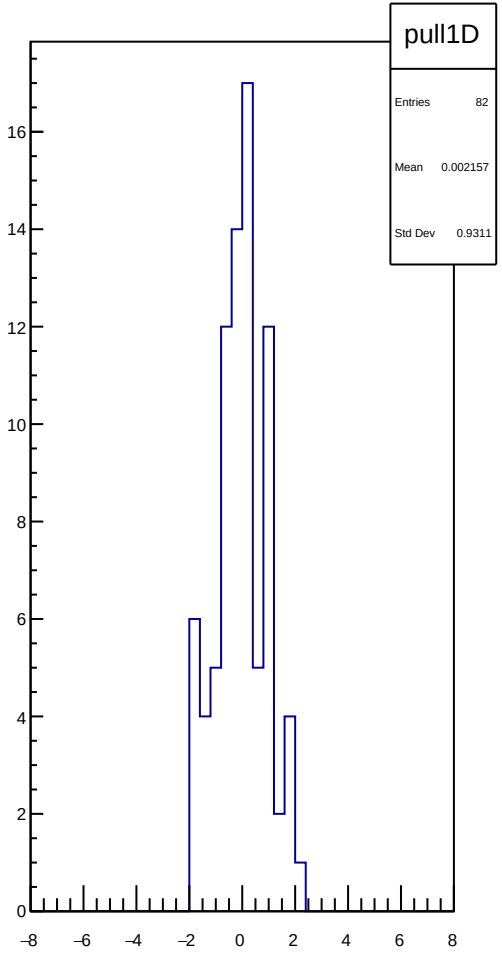

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 7758 / 81
p0 1154 ± 0.914
1400
1350
1300
1250
1200
1150
1100
1050

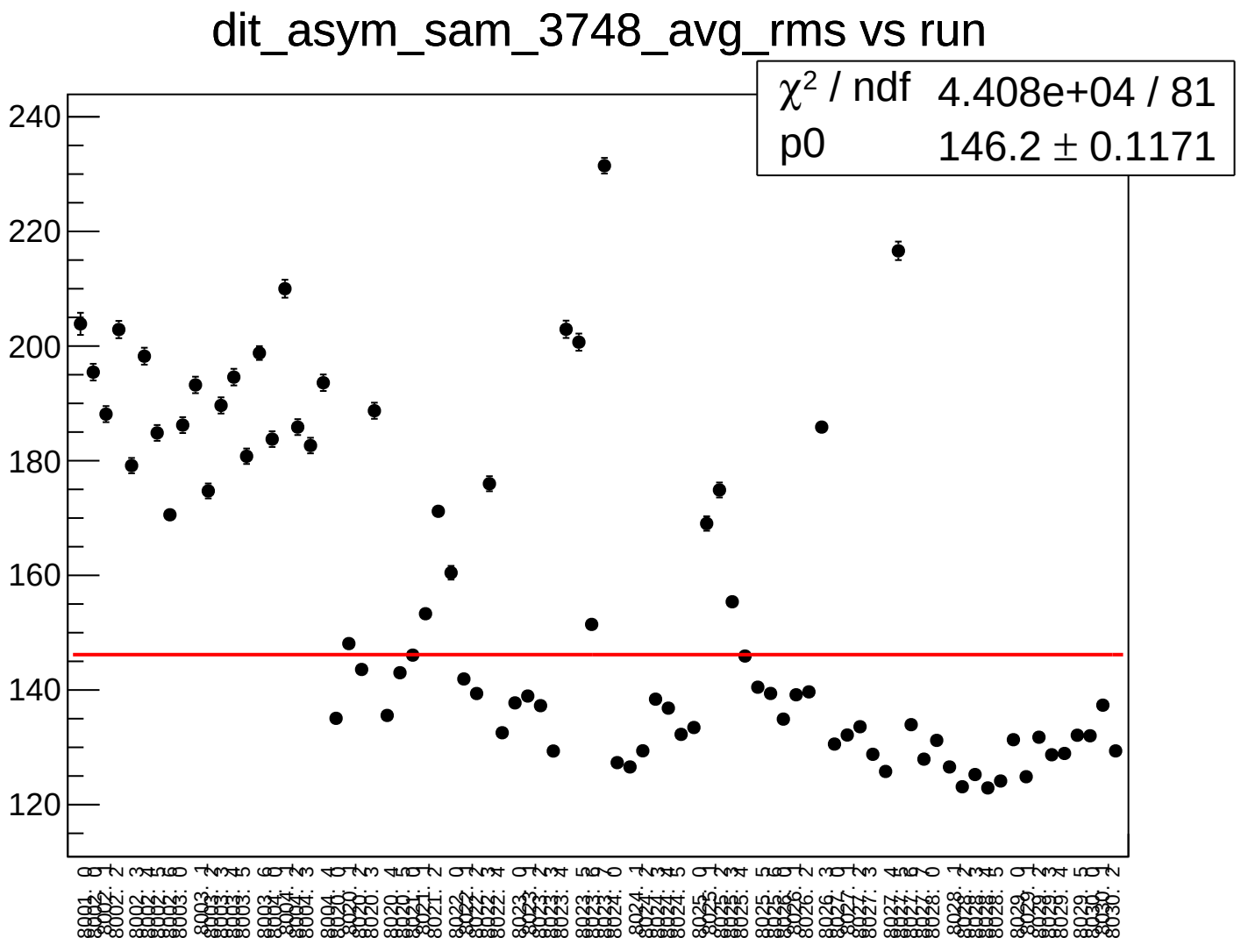

asym_sam_1548_avg_mean vs run
χ² / ndf 73.99 / 81
p0 −411.1± 1275
pull
Entries 82
Mean −173.7
Std Dev 226.4

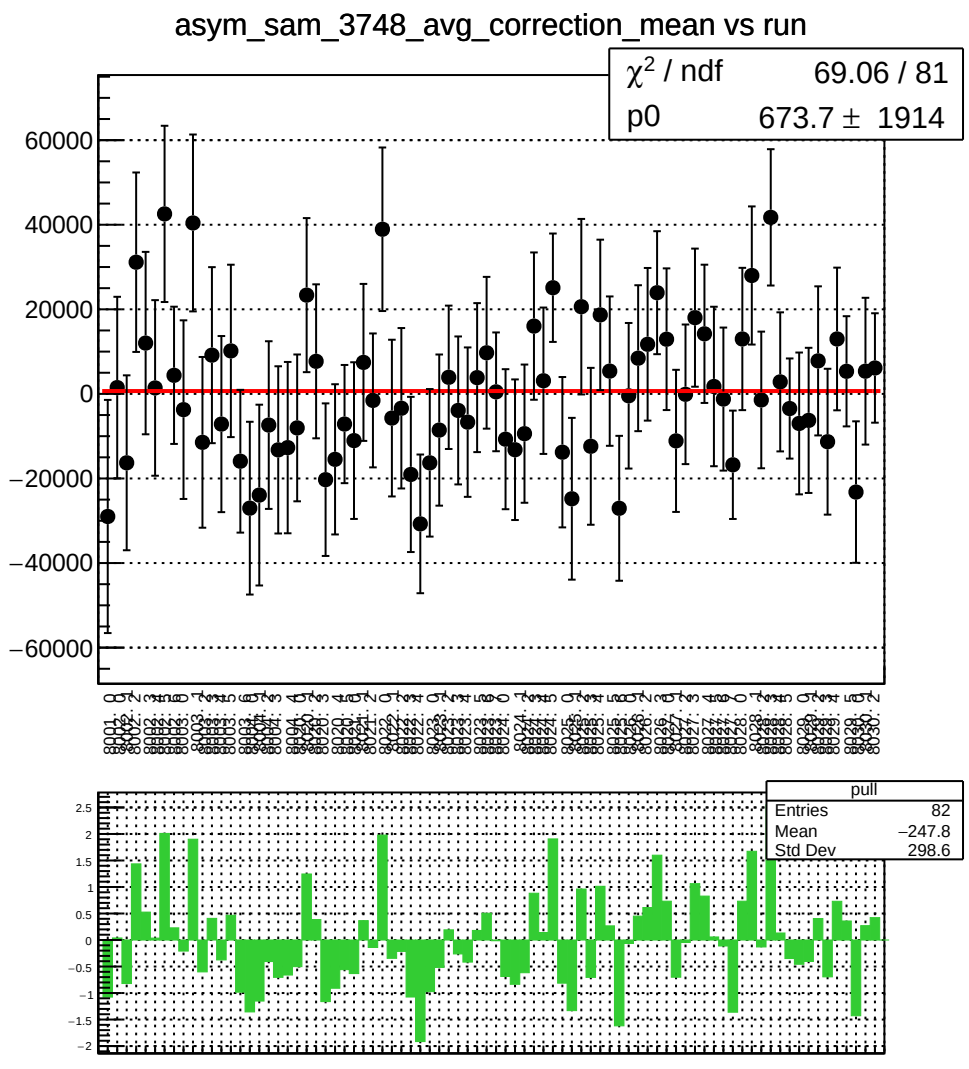

pull1D
Entries 82
Mean 0.008692
Std Dev 0.9499

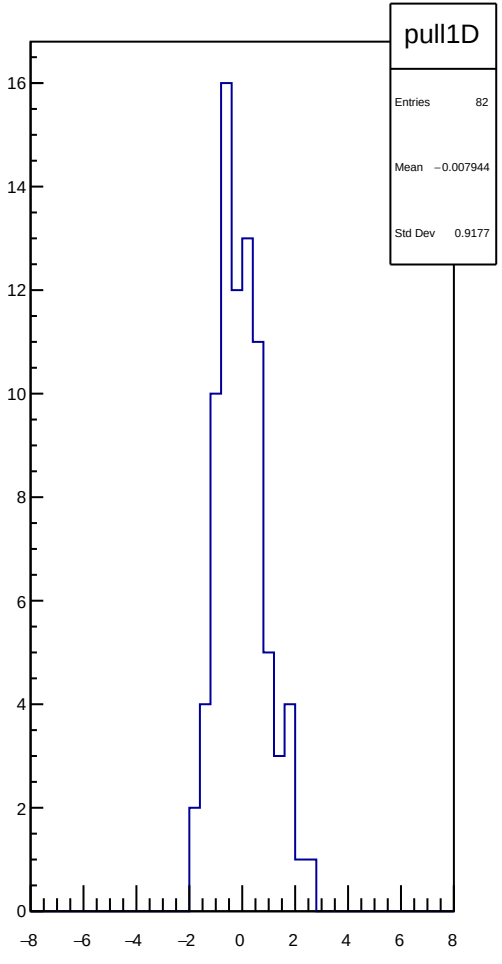

asym_sam_1548_avg_rms vs run
χ² / ndf 1.005e+04 / 81
p0 1137 ± 0.9017
1400
1350
1300
1250
1200
1150
1100
1050
1000

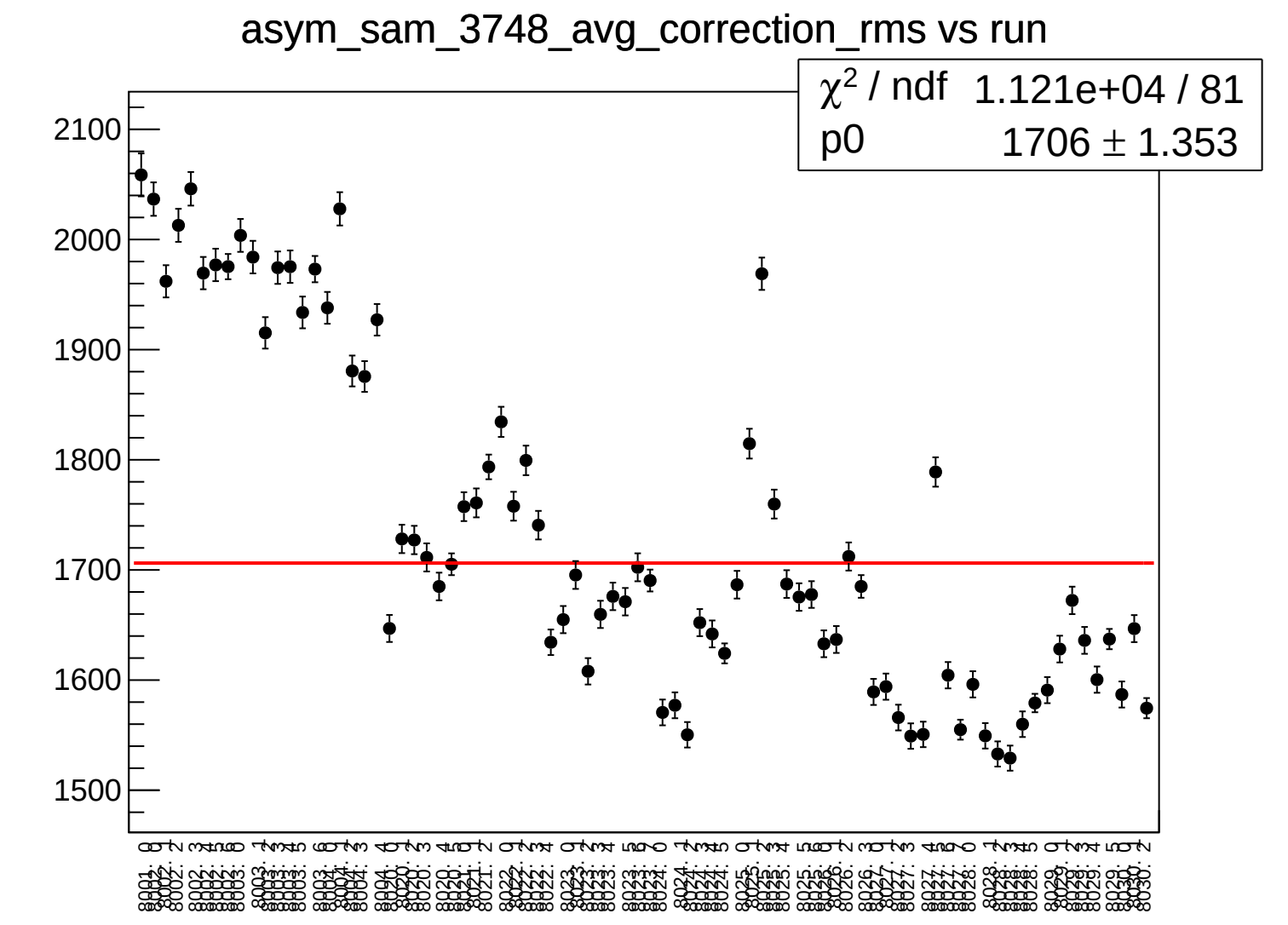

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 71.1 / 81
p0 121 ± 165.7
pull
Entries 82
Mean 1339
Std Dev 1286

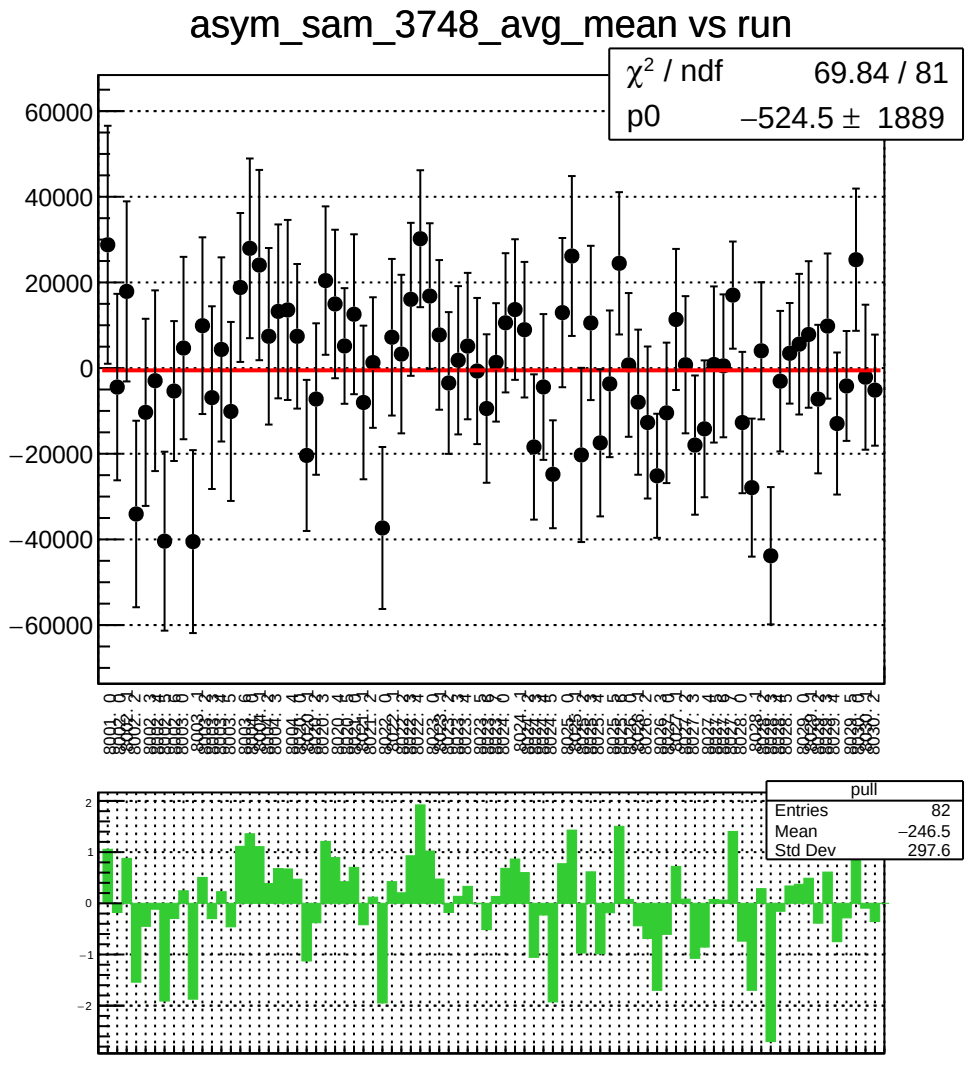

pull1D
Entries 82
Mean 0.002157
Std Dev 0.9311

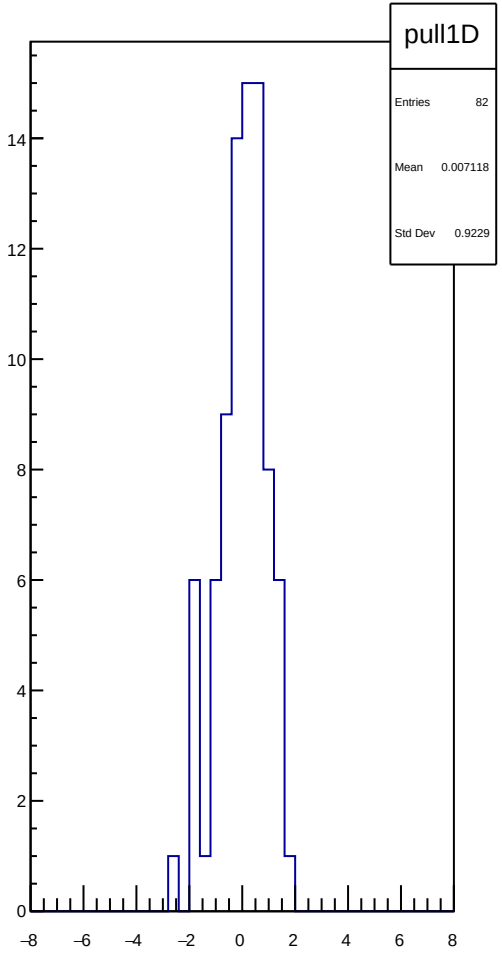

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.408e+04 / 81
p0 146.2 ± 0.1171
240
220
200
180
160
140
120

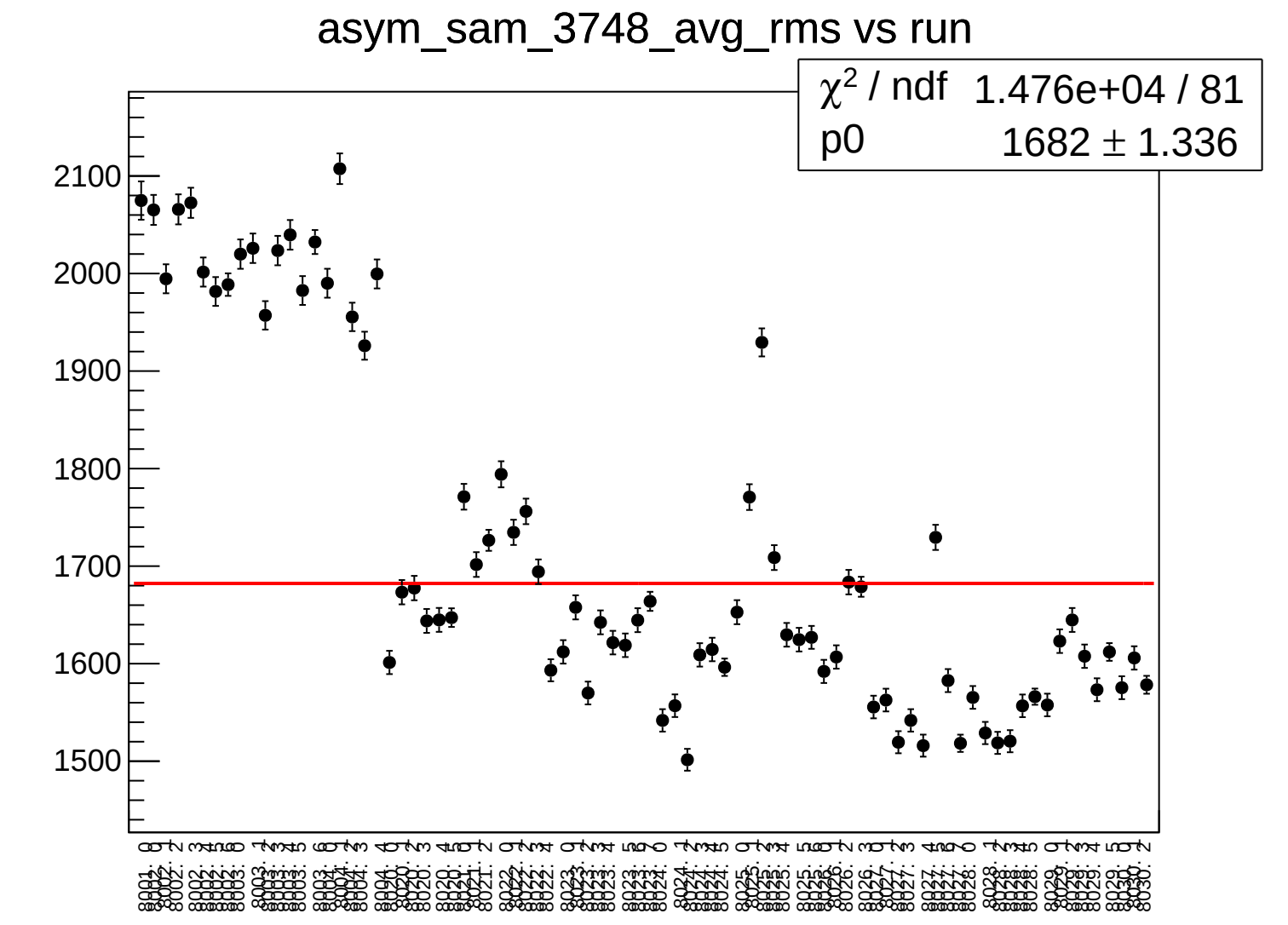

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 69.06 / 81
p0 673.7 ± 1914
pull
Entries 82
Mean −247.8
Std Dev 298.6

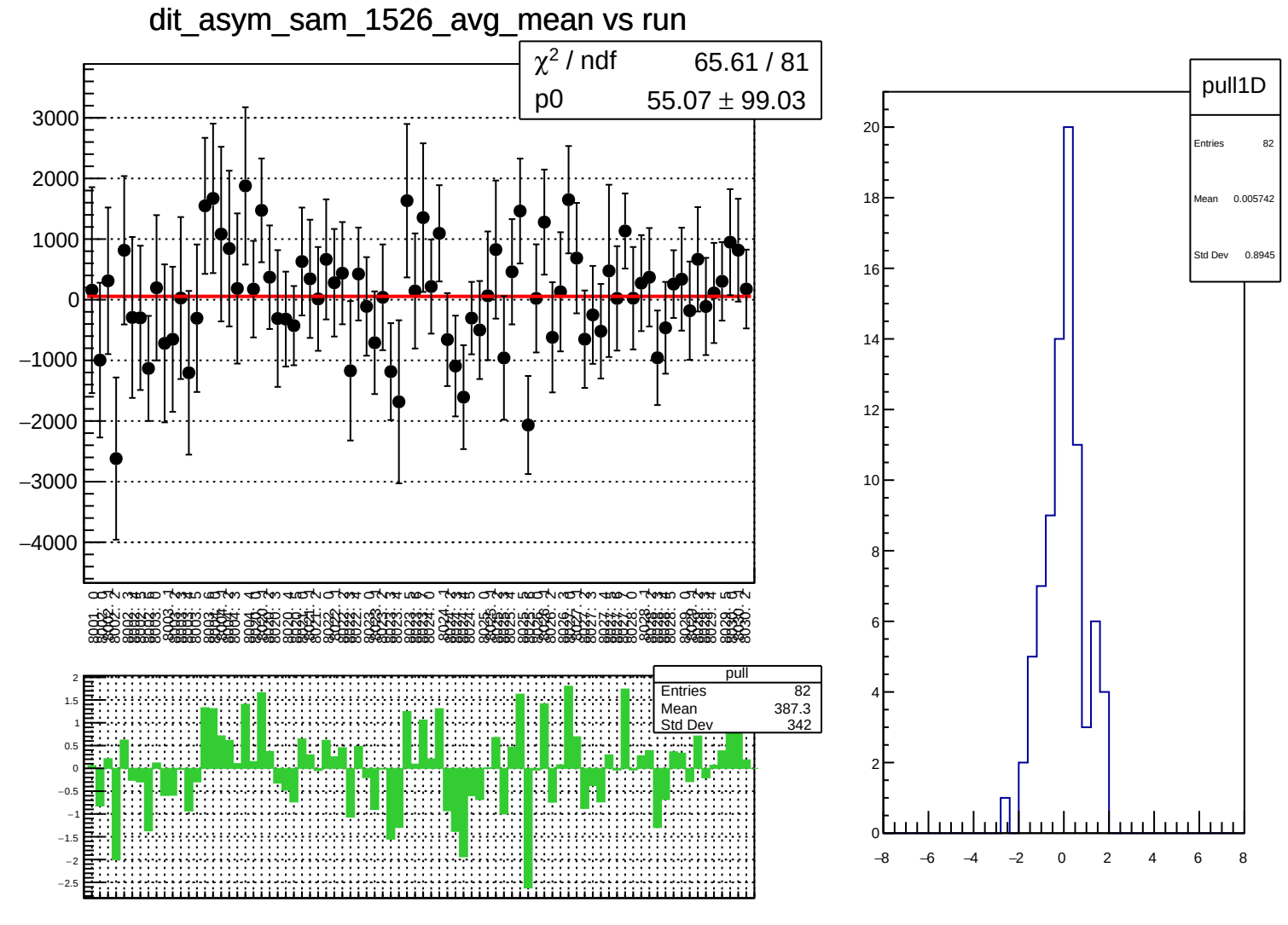

pull1D
Entries 82
Mean −0.007944
Std Dev 0.9177

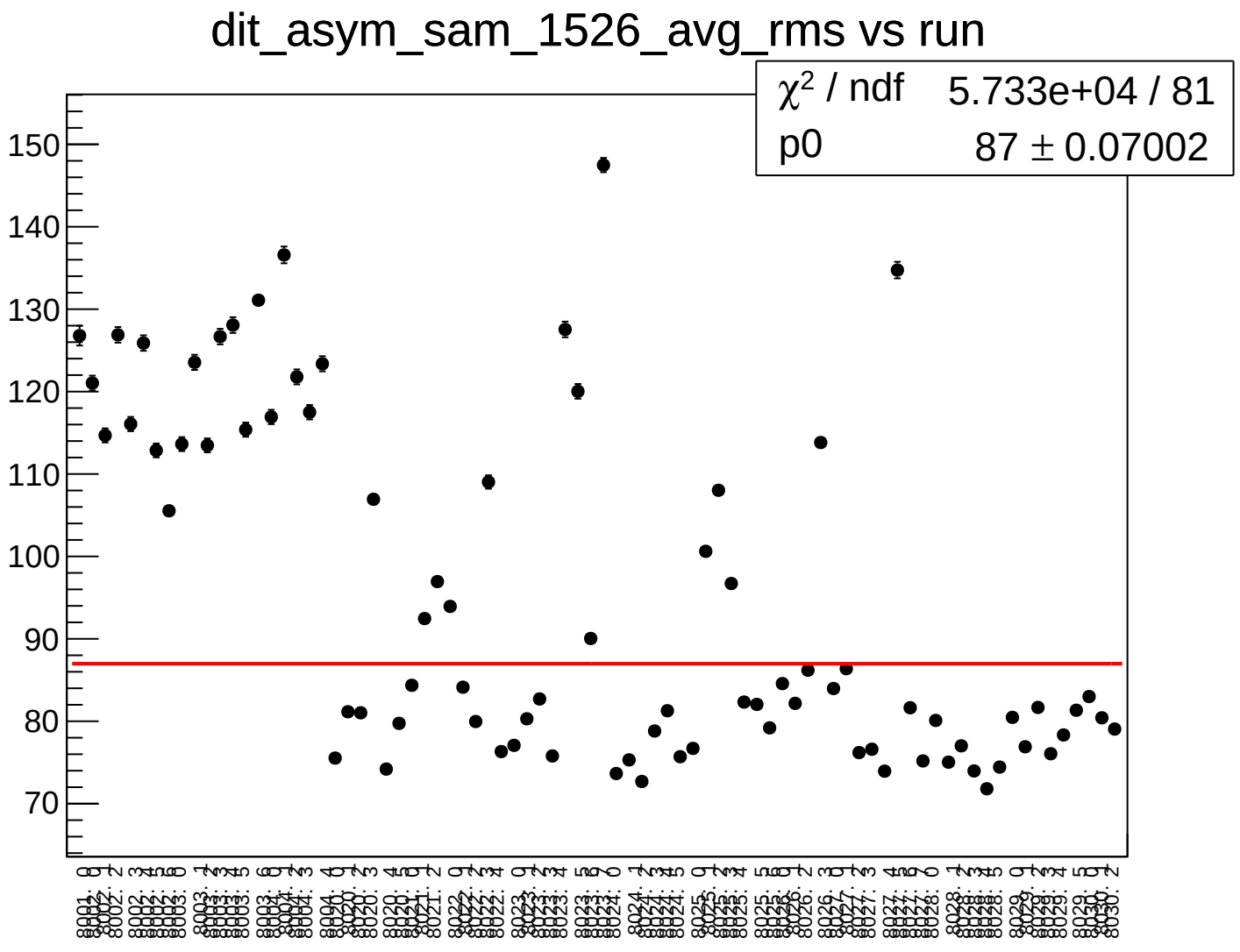

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1.121e+04 / 81
p0 1706 ± 1.353
2100
2000
1900
1800
1700
1600
1500

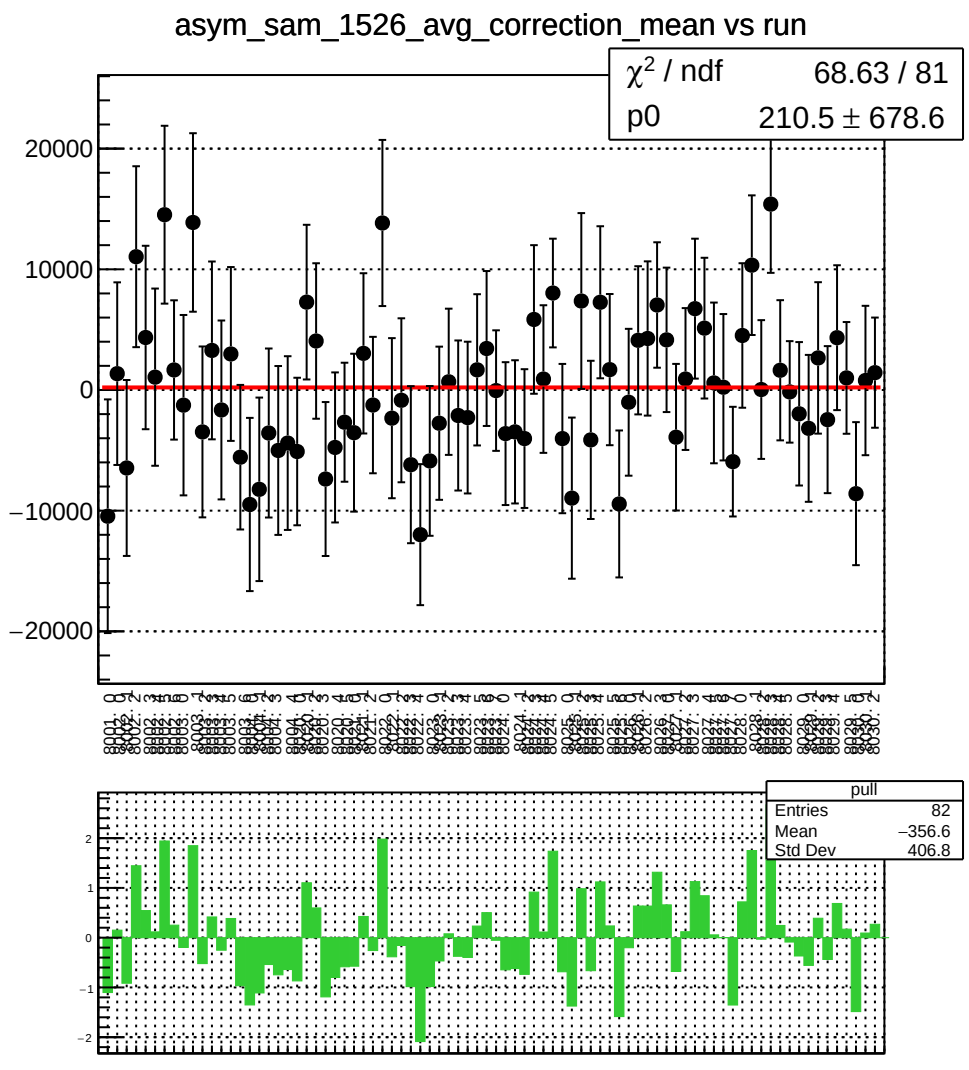

asym_sam_3748_avg_mean vs run
χ² / ndf 69.84 / 81
p0 −524.5 ± 1889
pull
Entries 82
Mean −246.5
Std Dev 297.6

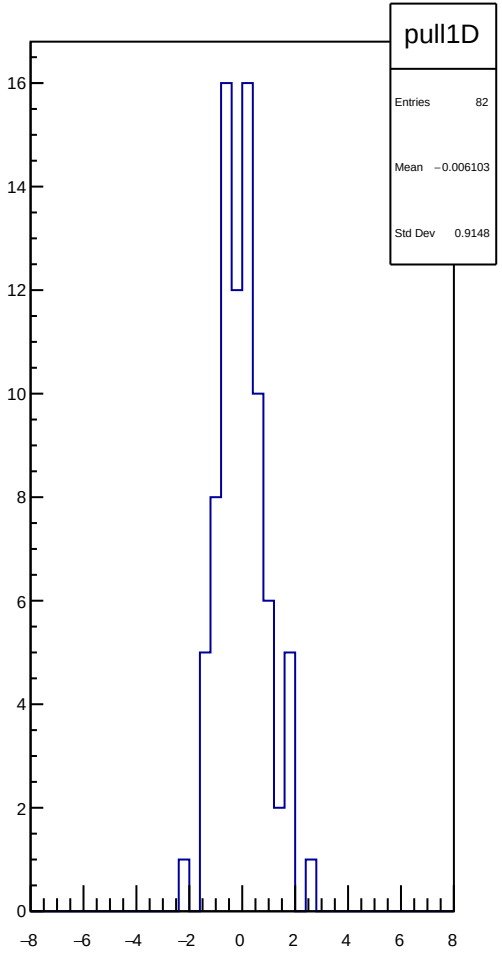

pull1D
Entries 82
Mean 0.007118
Std Dev 0.9229

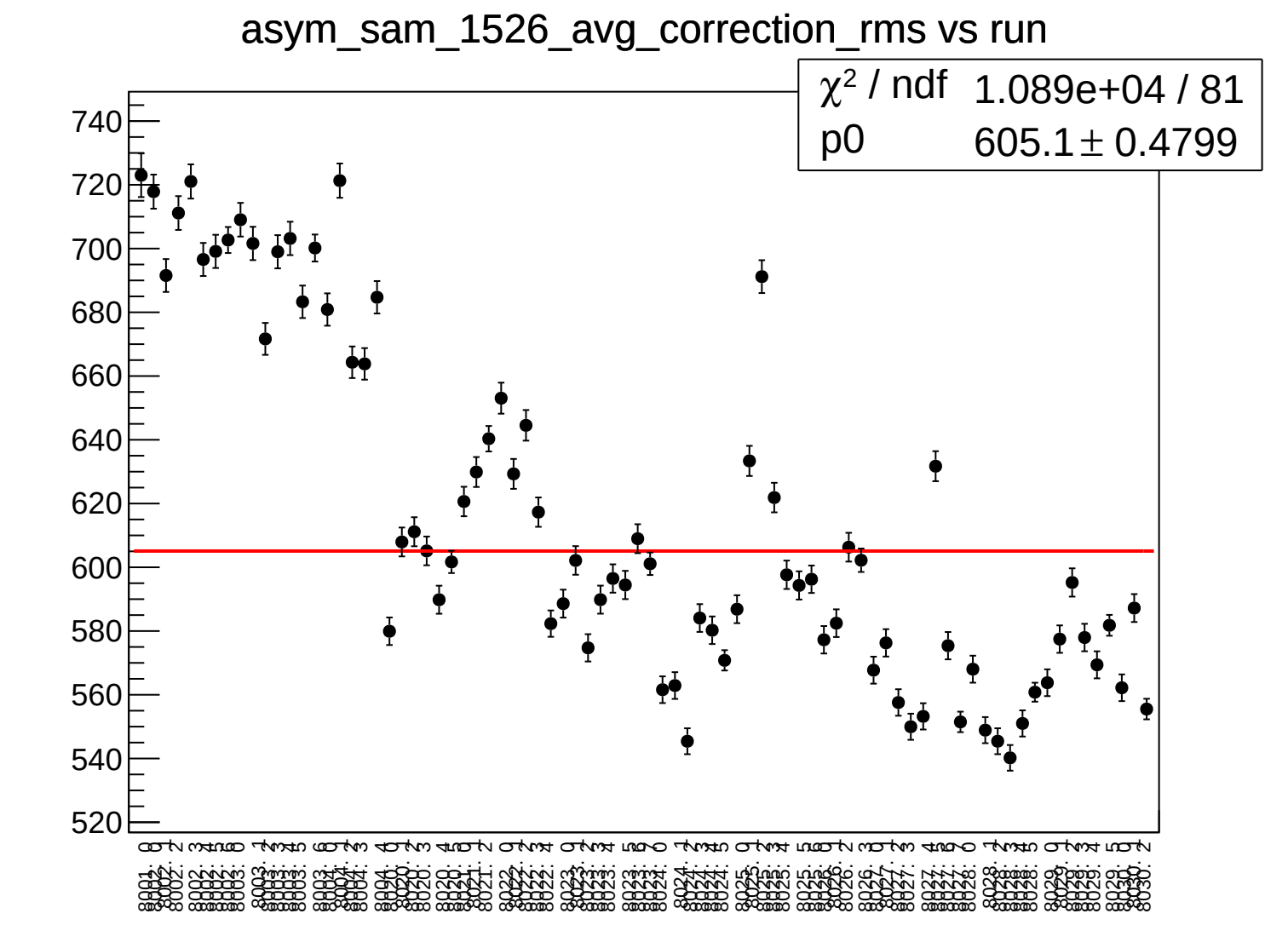

asym_sam_3748_avg_rms vs run
χ² / ndf 1.476e+04 / 81
p0 1682 ± 1.336
2100
2000
1900
1800
1700
1600
1500

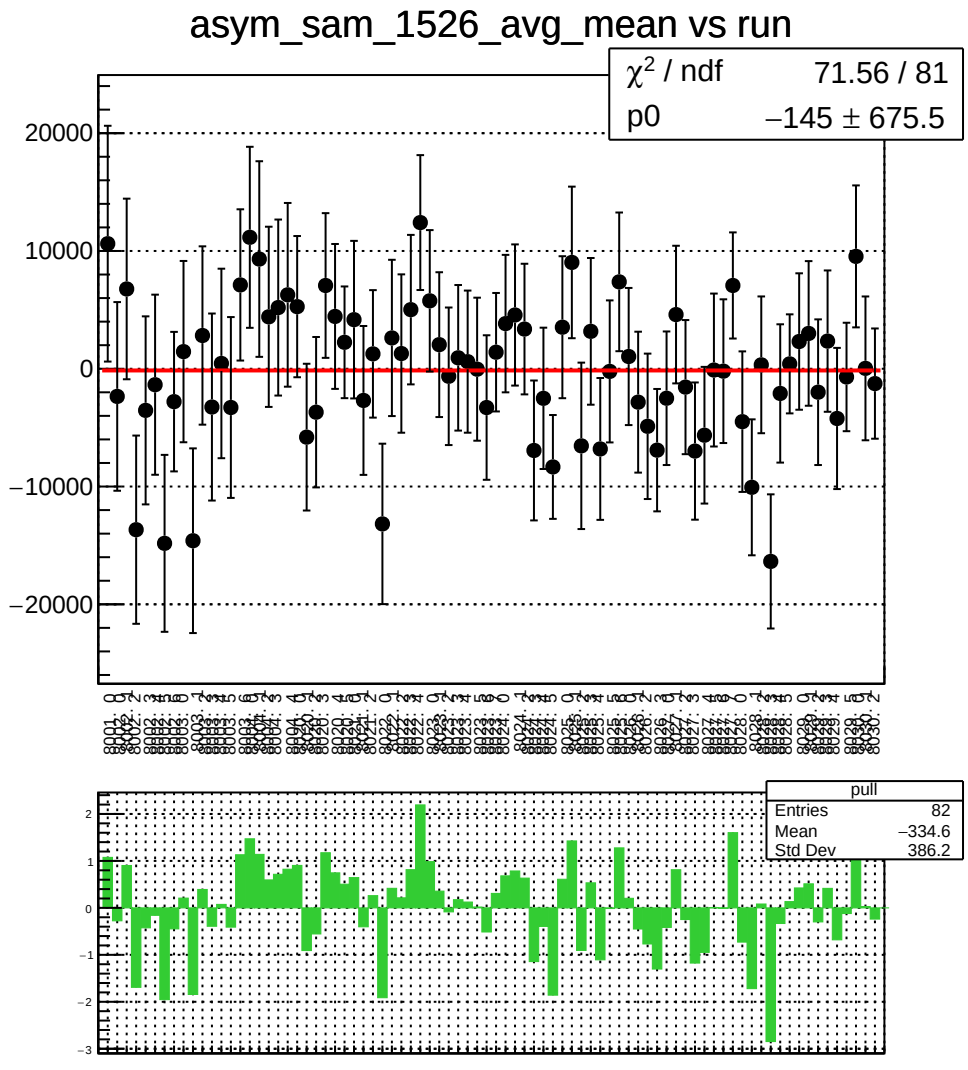

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 65.61 / 81
p0 55.07 ± 99.03
pull
Entries 82
Mean 387.3
Std Dev 342
pull1D
Entries 82
Mean 0.005742
Std Dev 0.8945

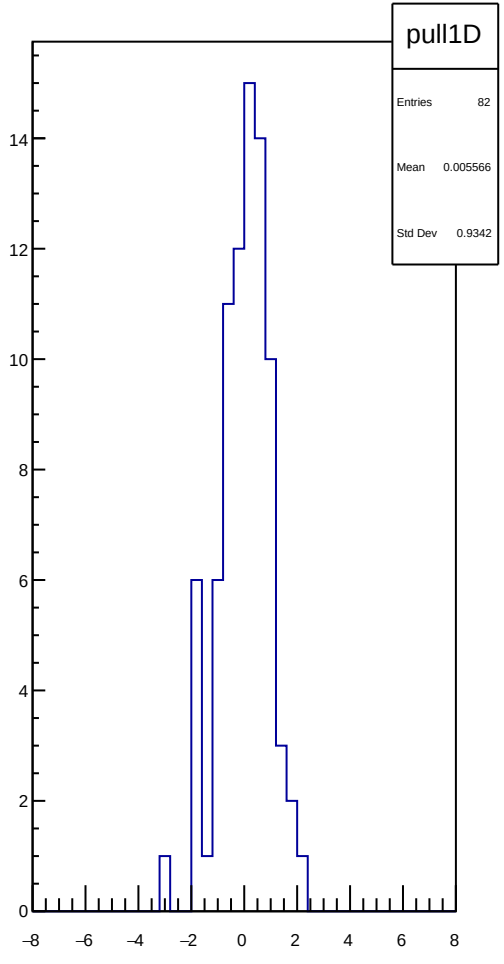

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 5.733e+04 / 81
p0 87 ± 0.07002
150
140
130
120
110
100
90
80
70

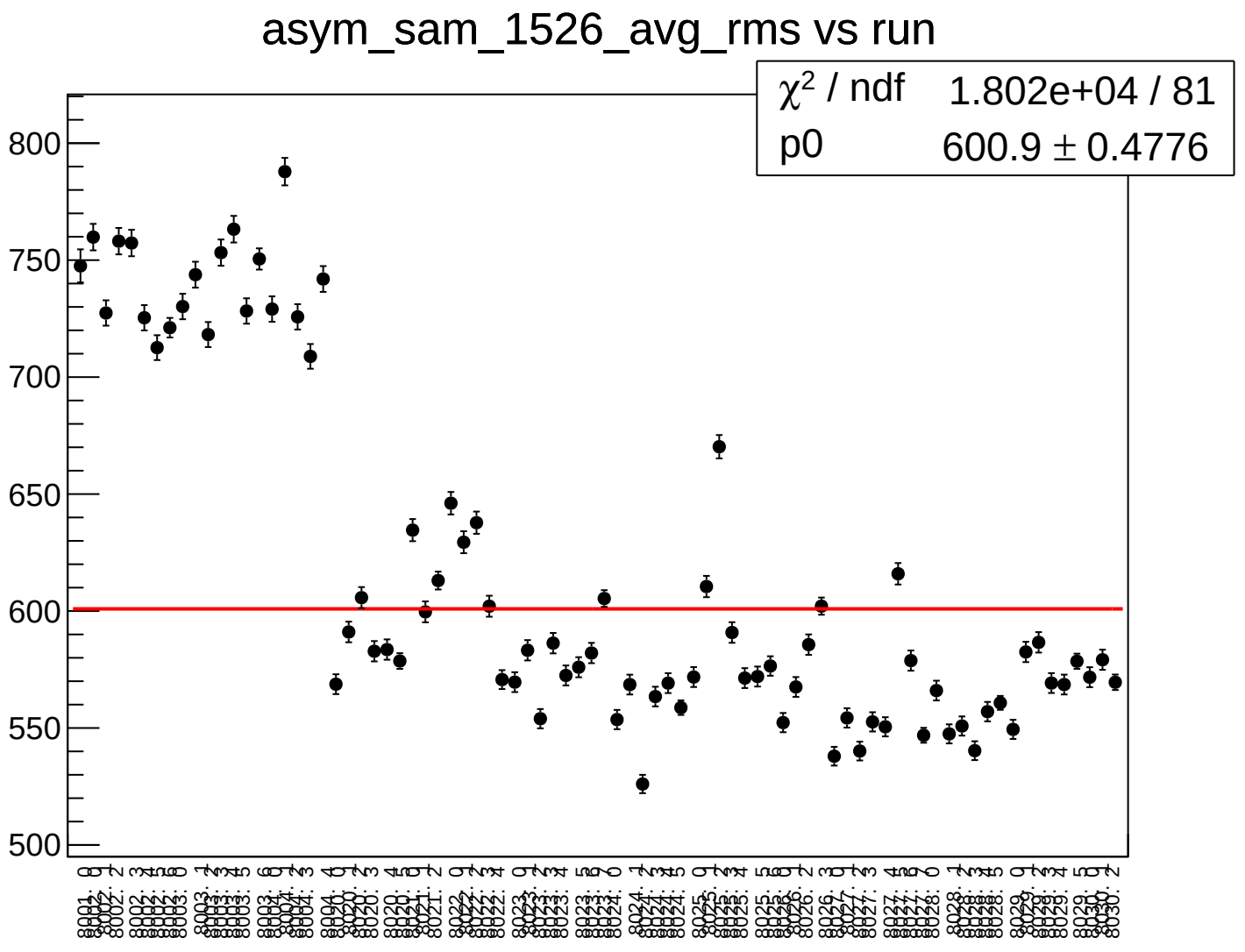

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 68.63 / 81
p0 210.5 ± 678.6
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −356.6
Std Dev 406.8
2
1
0
−1
−2

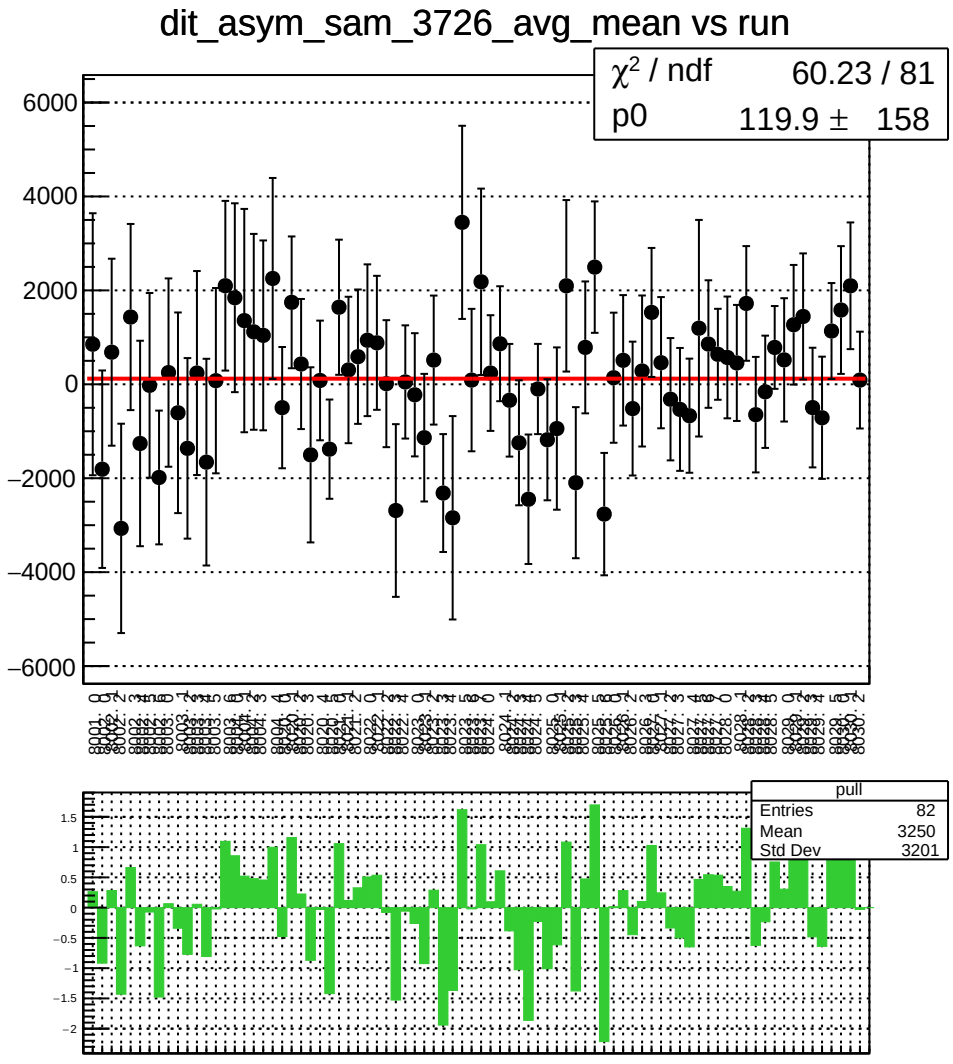

pull1D
Entries 82
Mean −0.006103
Std Dev 0.9148
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

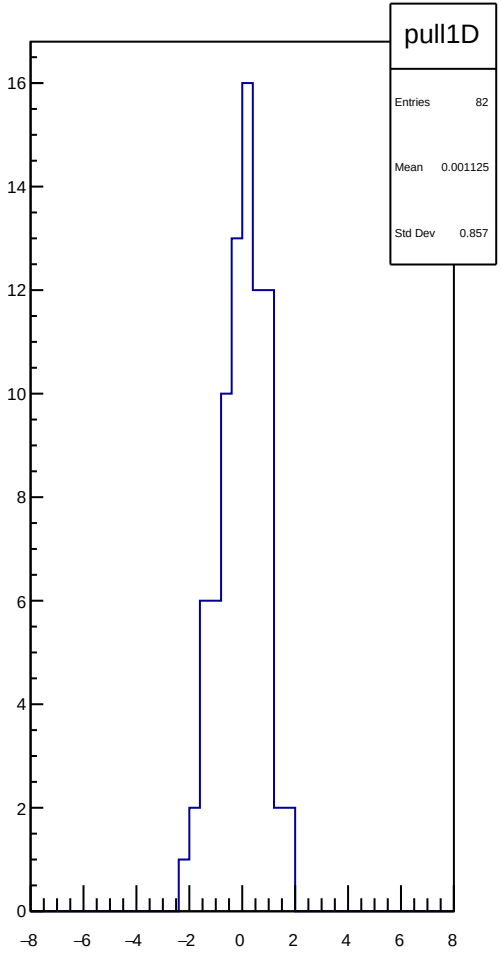

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1.089e+04 / 81
p0 605.1 ± 0.4799
740
720
700
680
660
640
620
600
580
560
540
520

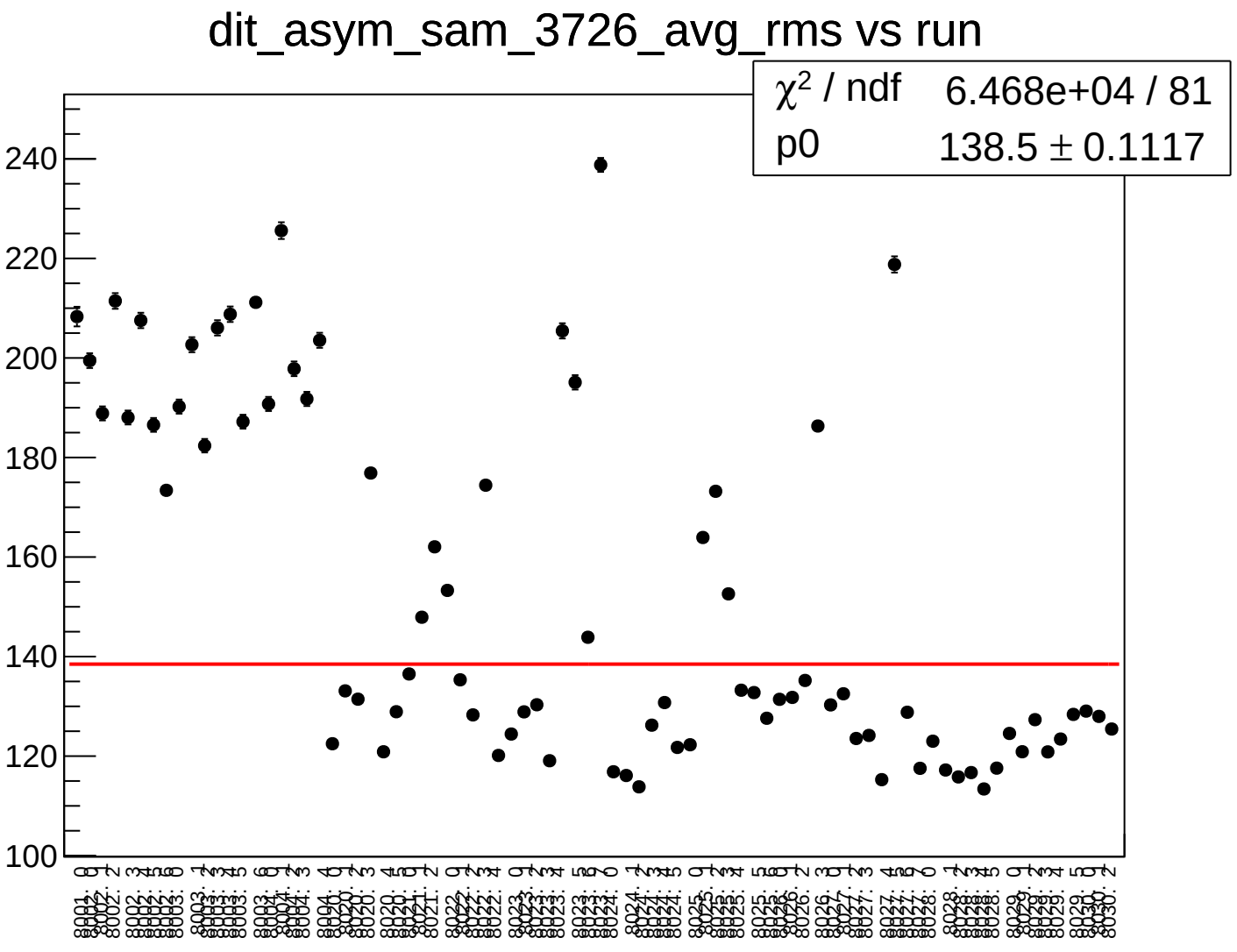

asym_sam_1526_avg_mean vs run
χ² / ndf 71.56 / 81
p0 −145 ± 675.5
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −334.6
Std Dev 386.2
2
1
0
−1
−2
−3

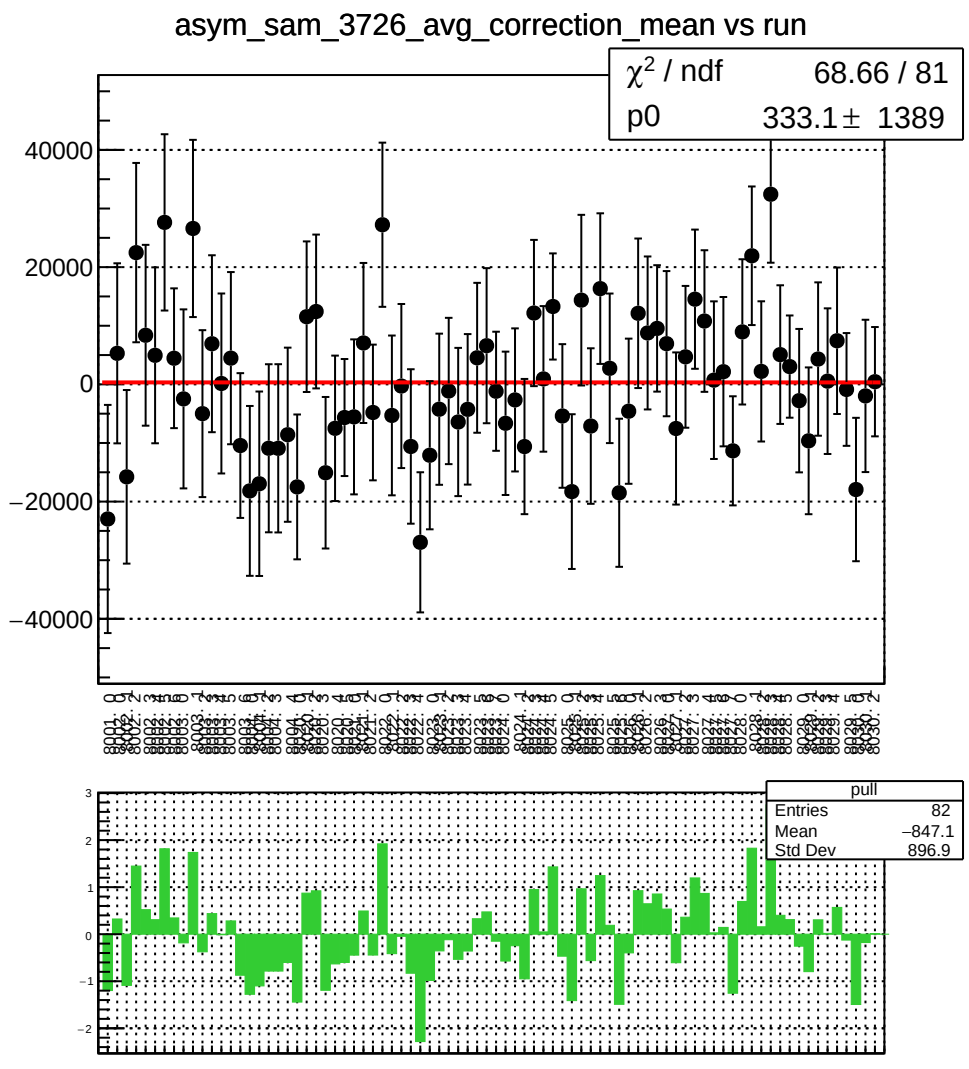

pull1D
Entries 82
Mean 0.005566
Std Dev 0.9342
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

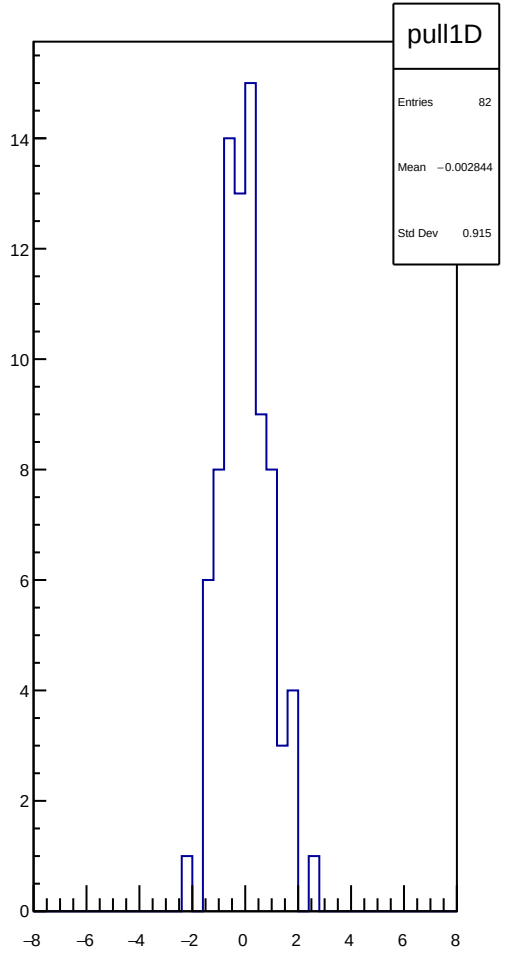

asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.802e+04 / 81
p0 600.9 ± 0.4776
800
750
700
650
600
550
500

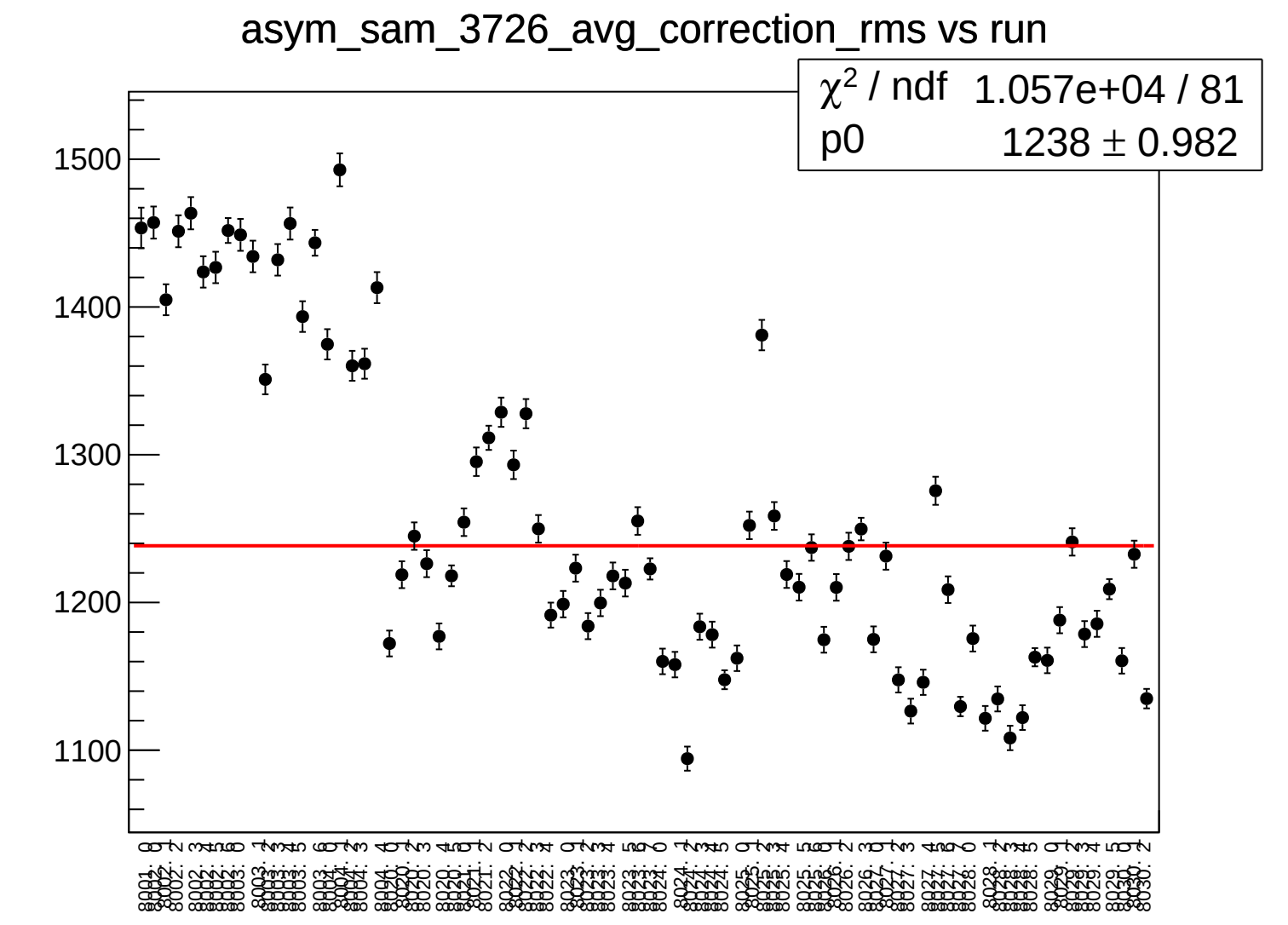

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 60.23 / 81
p0 119.9 ± 158
pull
Entries 82
Mean 3250
Std Dev 3201

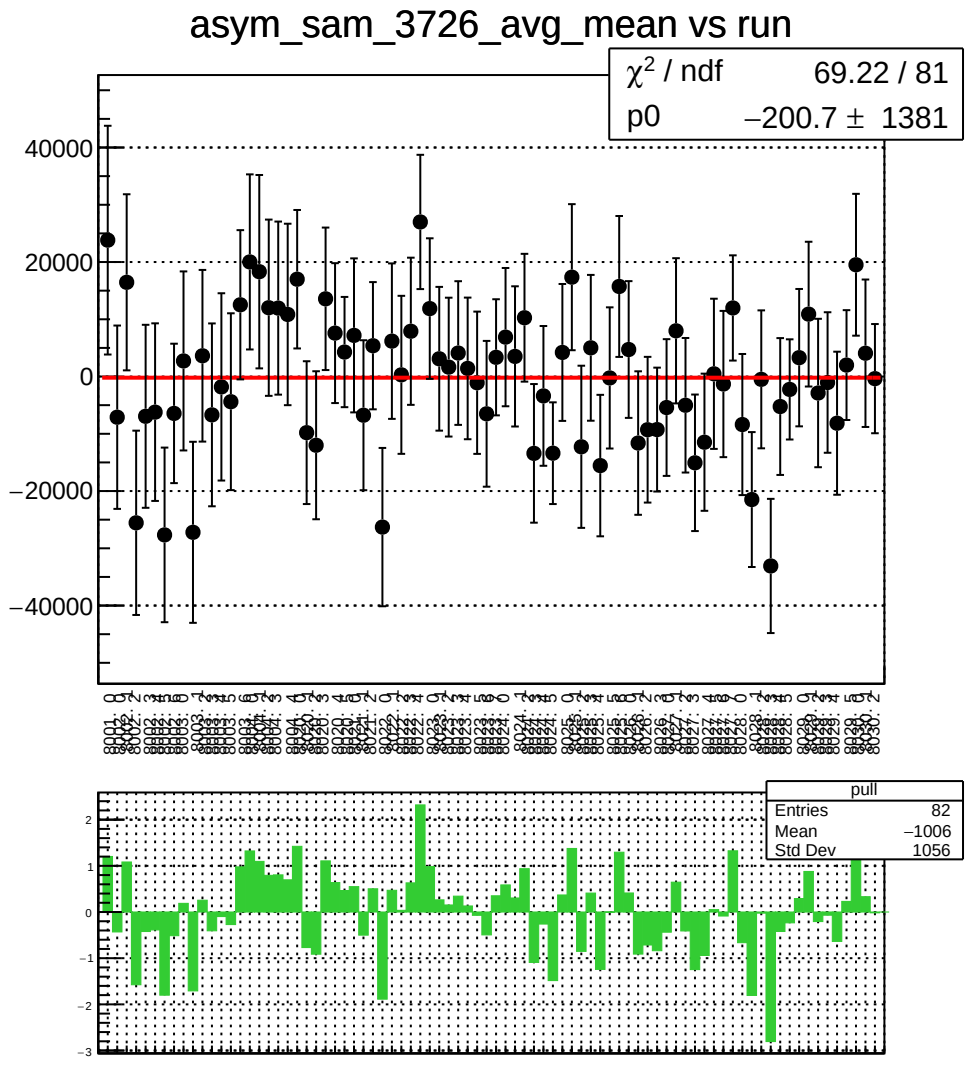

pull1D
Entries 82
Mean 0.001125
Std Dev 0.857

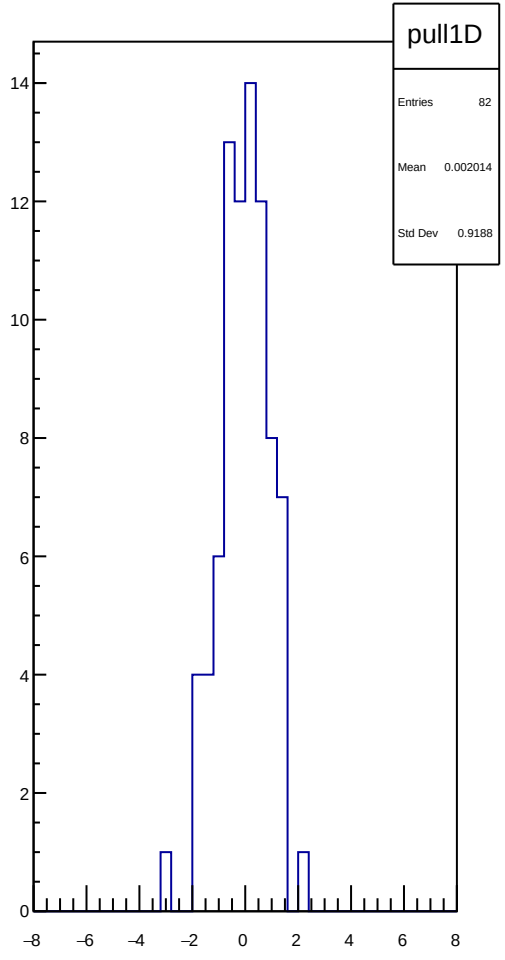

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 6.468e+04 / 81
p0 138.5 ± 0.1117
240
220
200
180
160
140
120
100

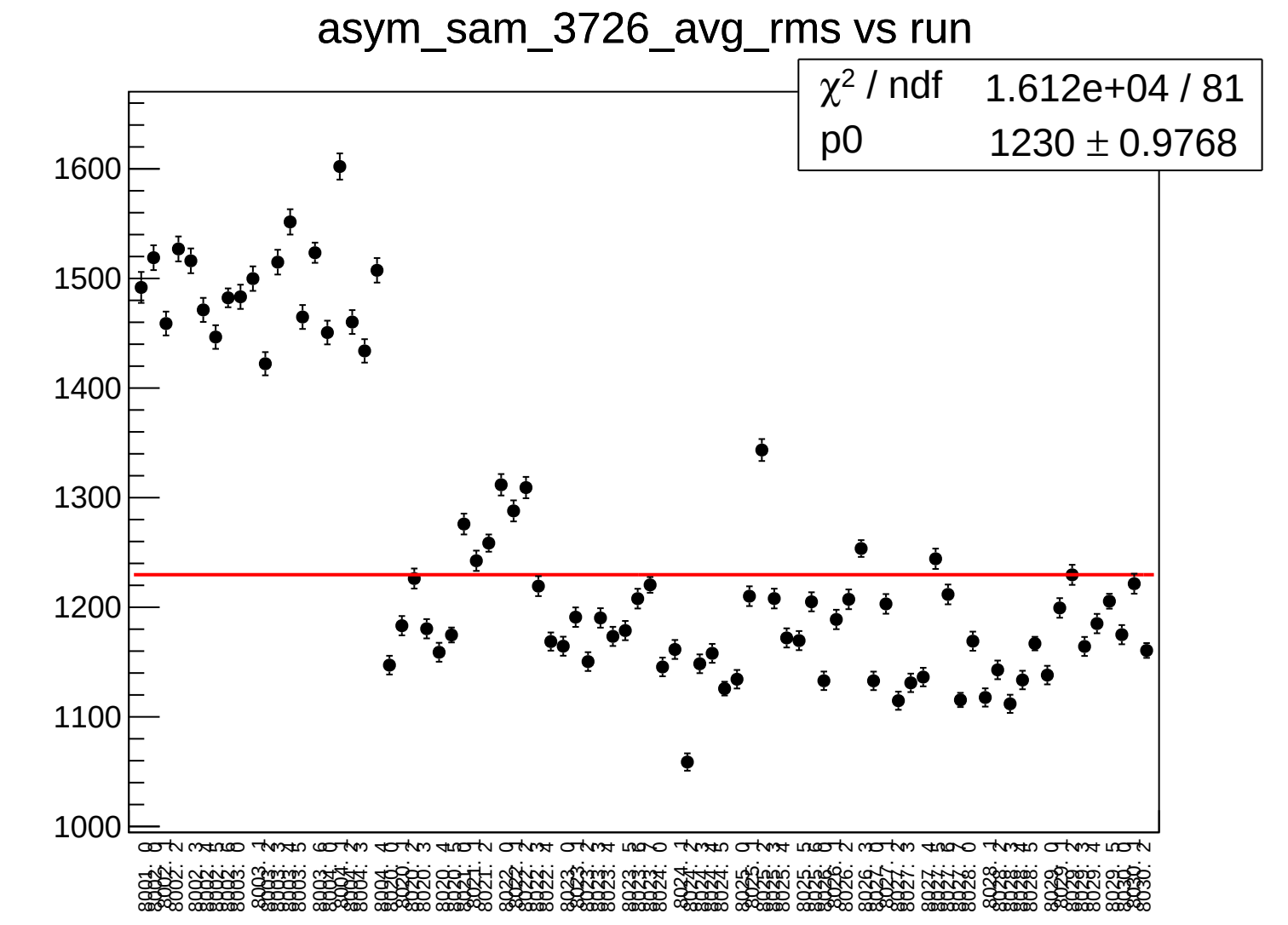

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 68.66 / 81
p0 333.1 ± 1389
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −847.1
Std Dev 896.9
3
2
1
0
−1
−2

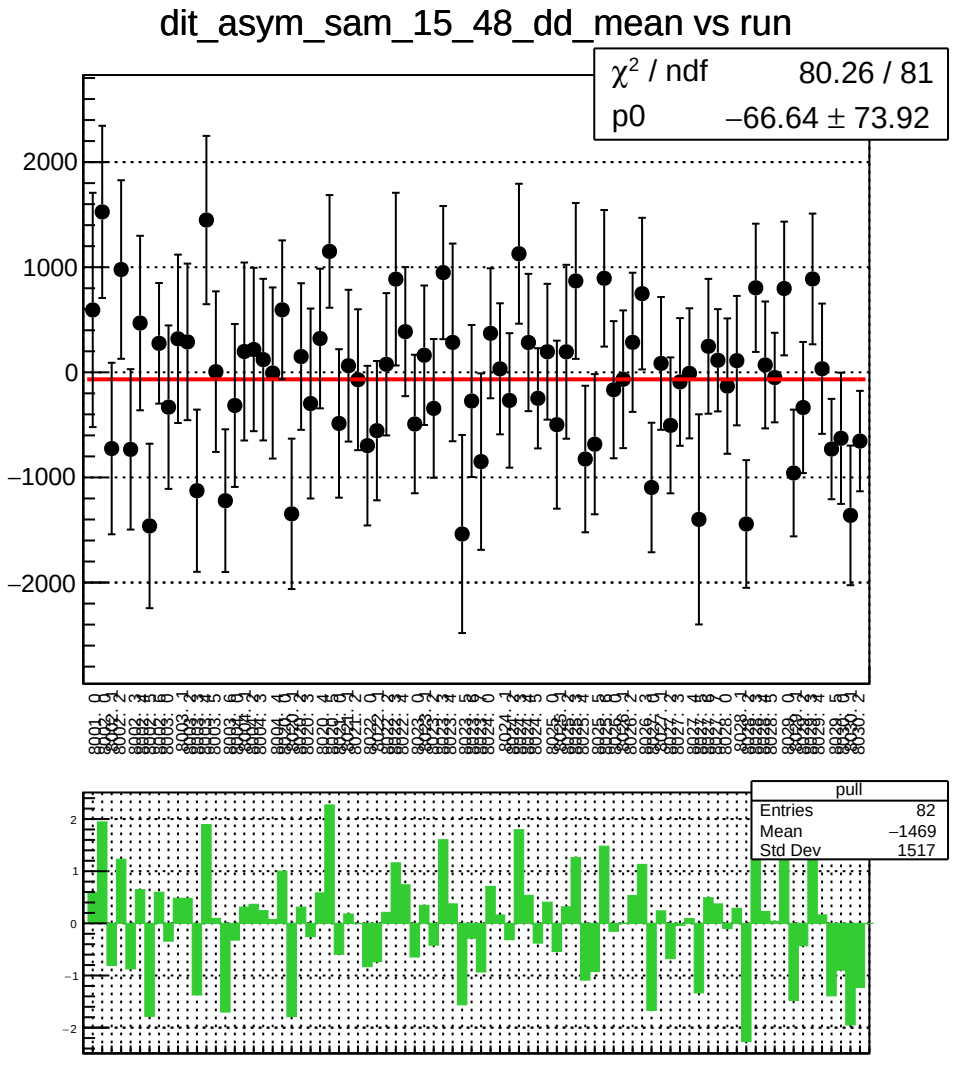

pull1D
Entries 82
Mean −0.002844
Std Dev 0.915
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

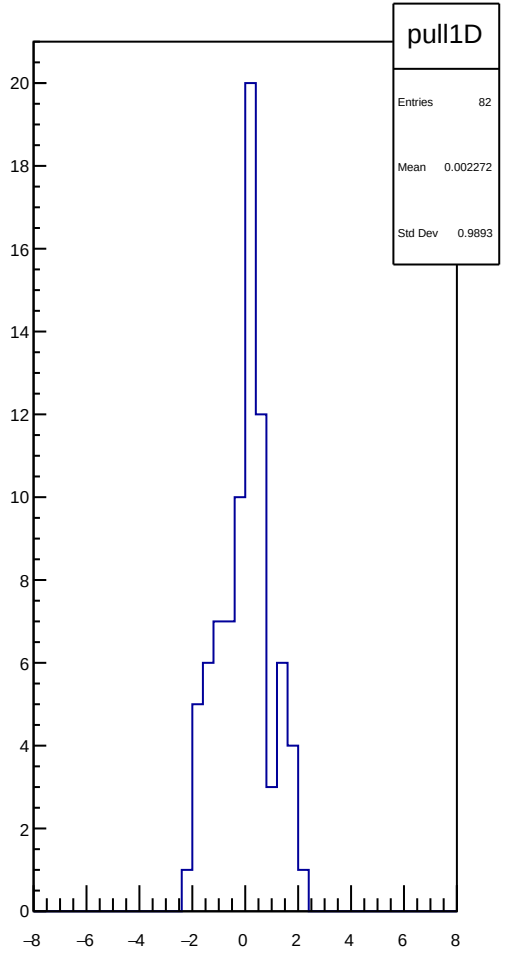

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.057e+04 / 81
p0 1238 ± 0.982
1500
1400
1300
1200
1100

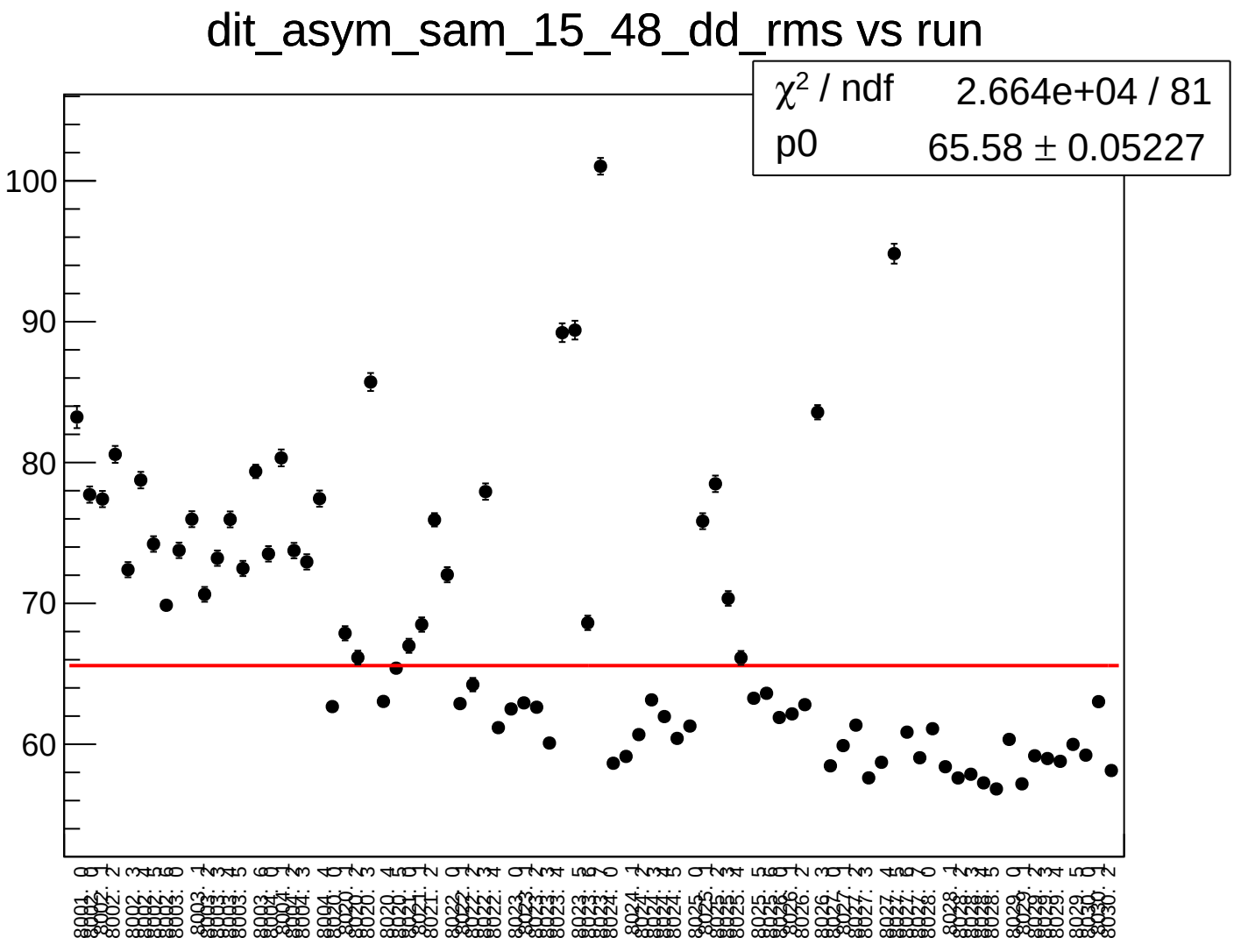

asym_sam_3726_avg_mean vs run
χ² / ndf 69.22 / 81
p0 −200.7 ± 1381
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −1006
Std Dev 1056
2
1
0
−1
−2
−3

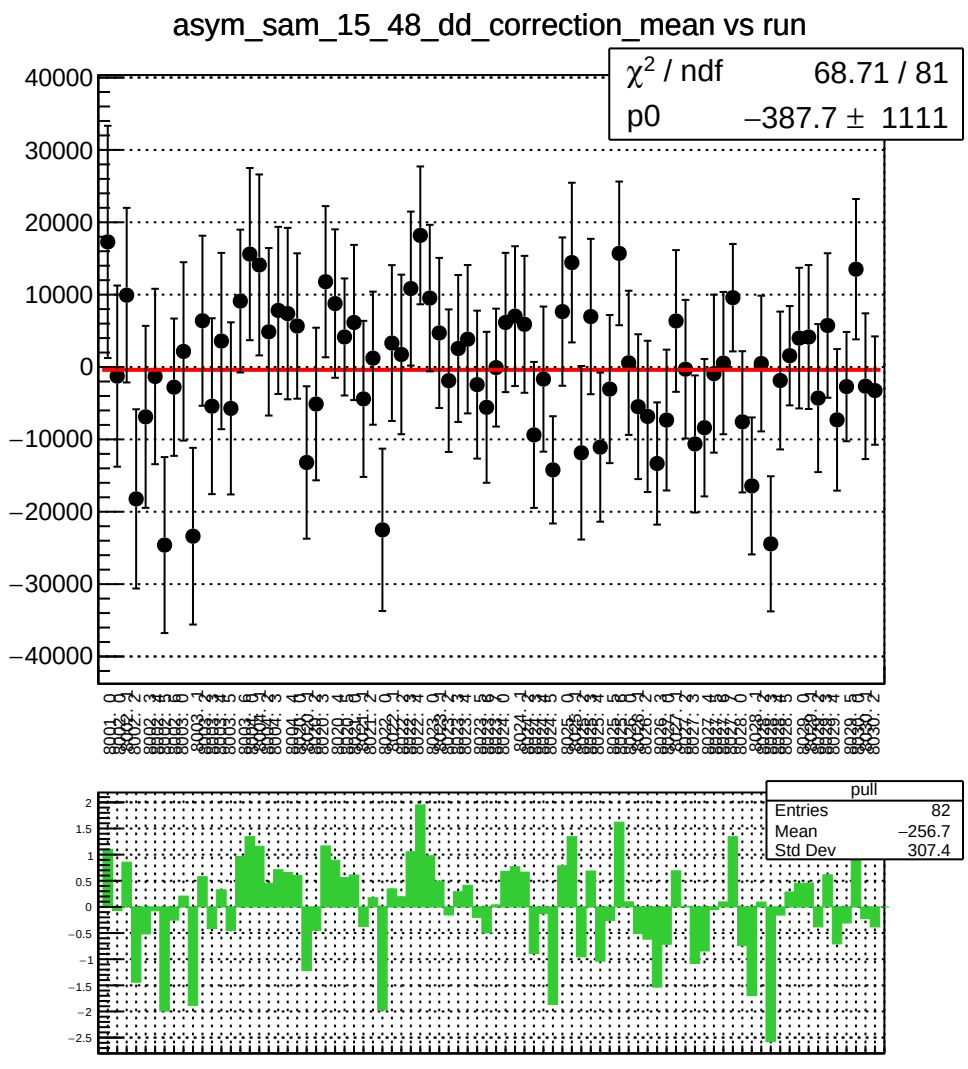

pull1D
Entries 82
Mean 0.002014
Std Dev 0.9188
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

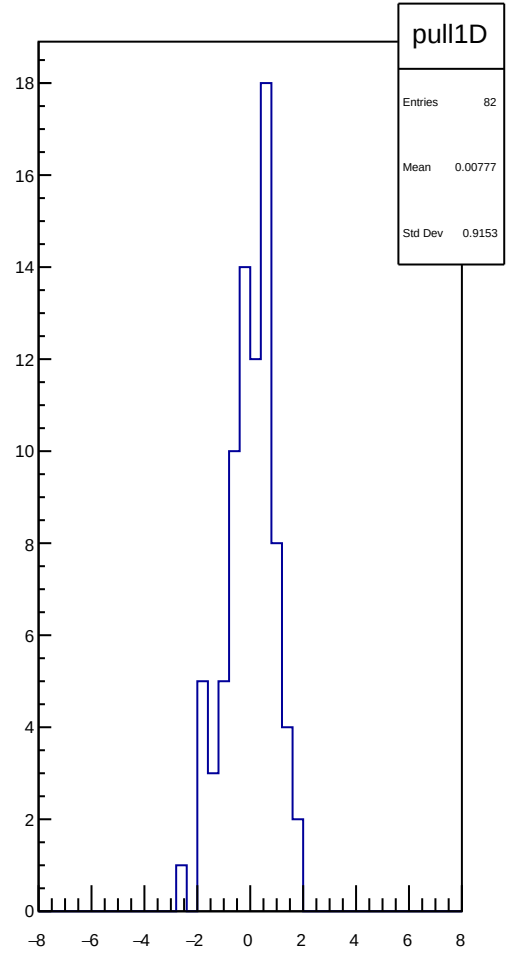

asym_sam_3726_avg_rms vs run
χ² / ndf 1.612e+04 / 81
p0 1230 ± 0.9768
1600
1500
1400
1300
1200
1100
1000

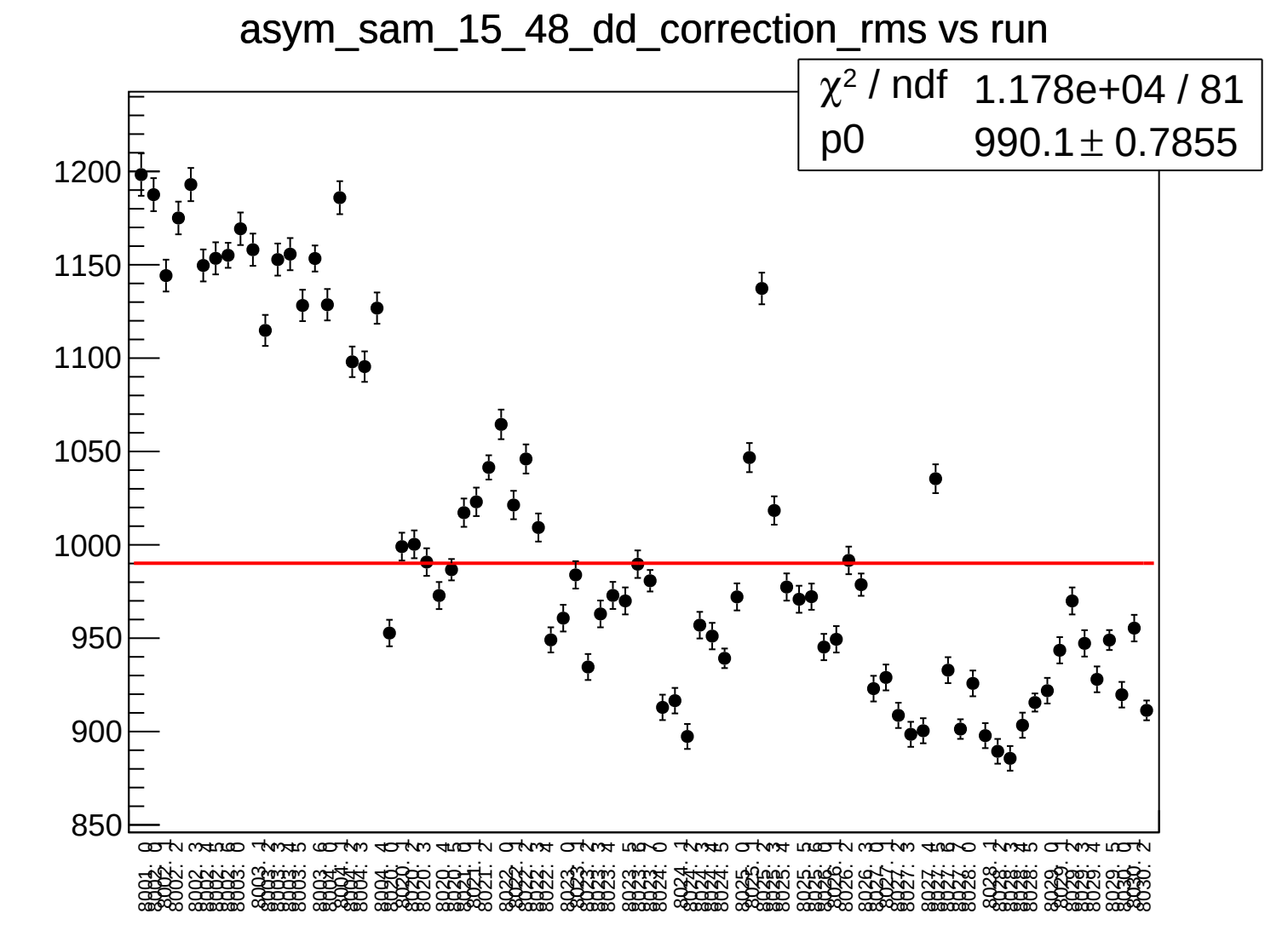

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 80.26 / 81
p0 −66.64 ± 73.92
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −1469
Std Dev 1517
2
1
0
−1
−2

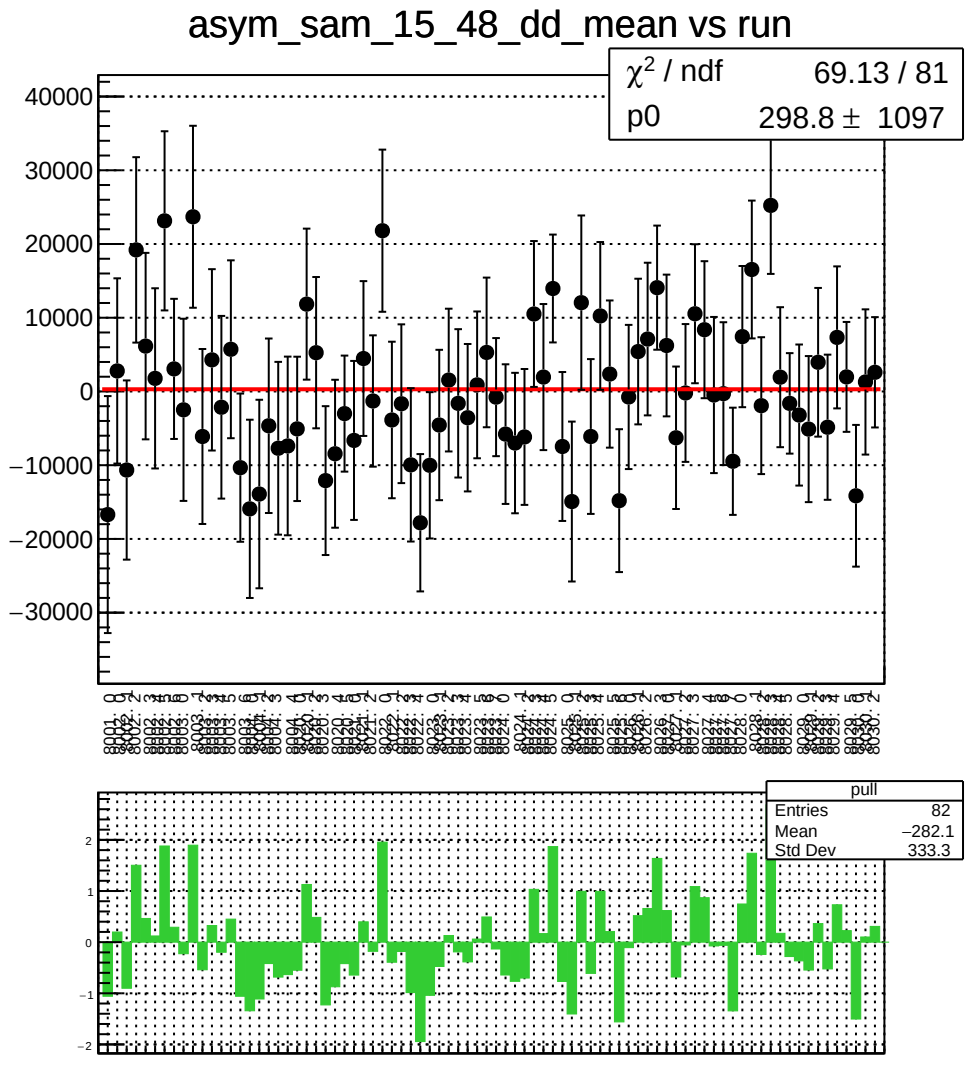

pull1D
Entries 82
Mean 0.002272
Std Dev 0.9893
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

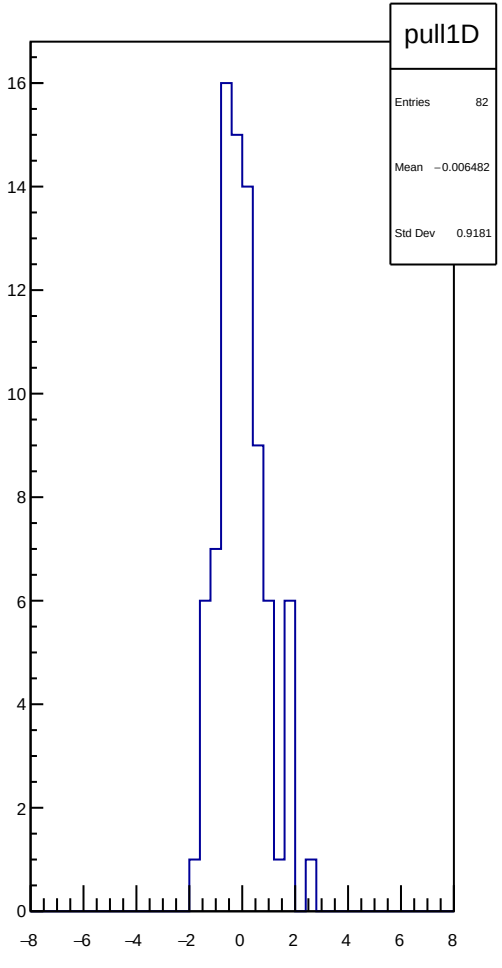

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.664e+04 / 81
p0 65.58 ± 0.05227
100
90
80
70
60

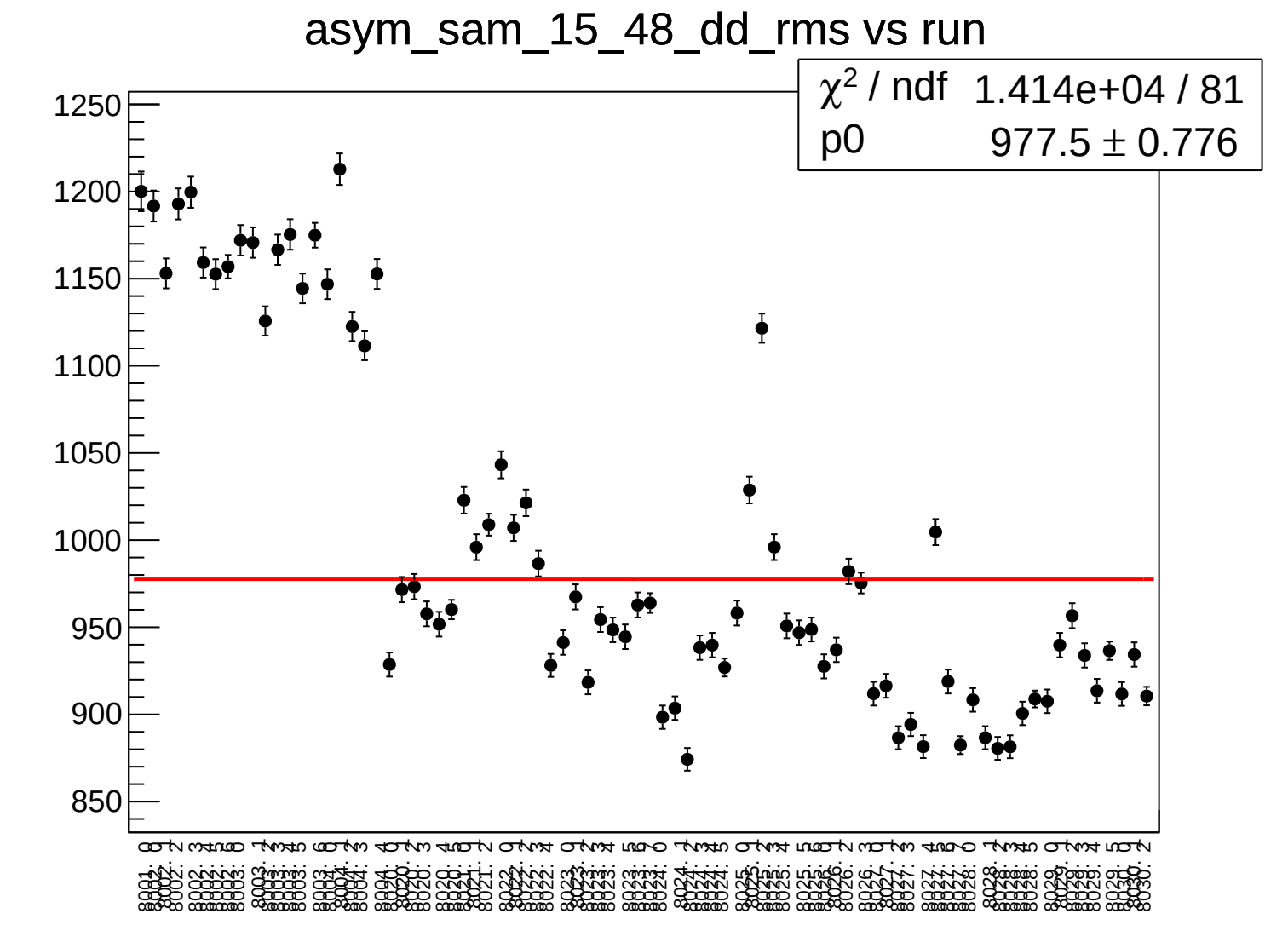

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 68.71 / 81
p0 −387.7 ± 1111
pull
Entries 82
Mean −256.7
Std Dev 307.4

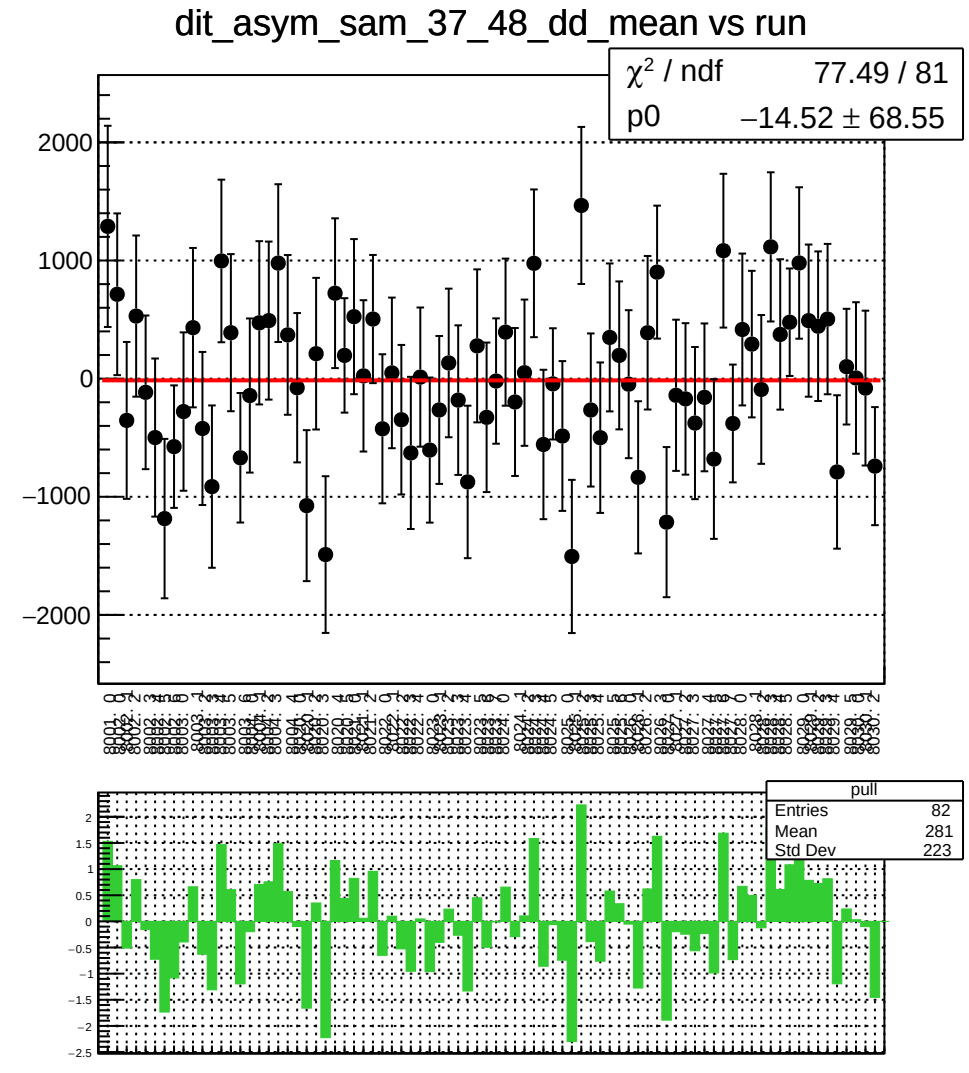

pull1D
Entries 82
Mean 0.00777
Std Dev 0.9153

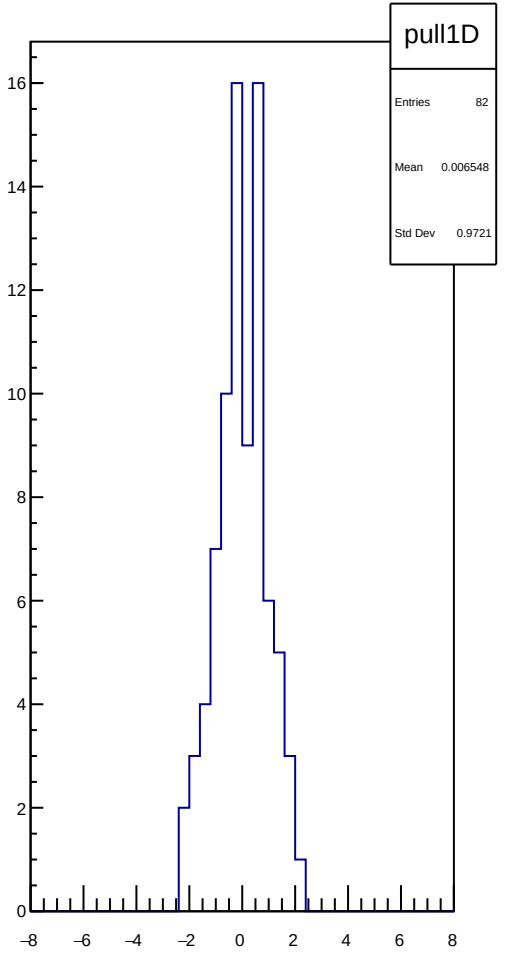

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1.178e+04 / 81
p0 990.1 ± 0.7855
1200
1150
1100
1050
1000
950
900
850

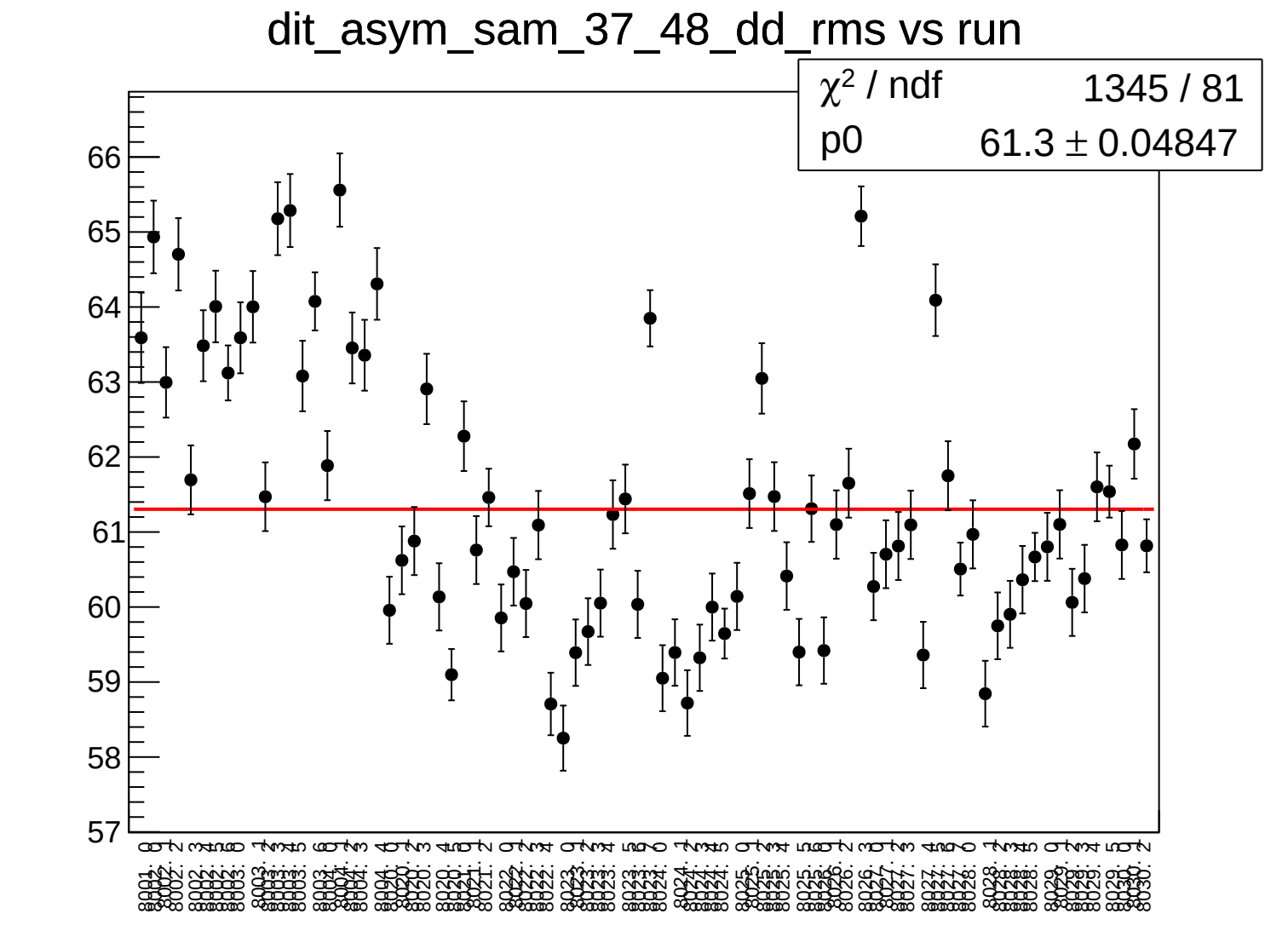

asym_sam_15_48_dd_mean vs run
χ² / ndf 69.13 / 81
p0 298.8 ± 1097
pull
Entries 82
Mean −282.1
Std Dev 333.3

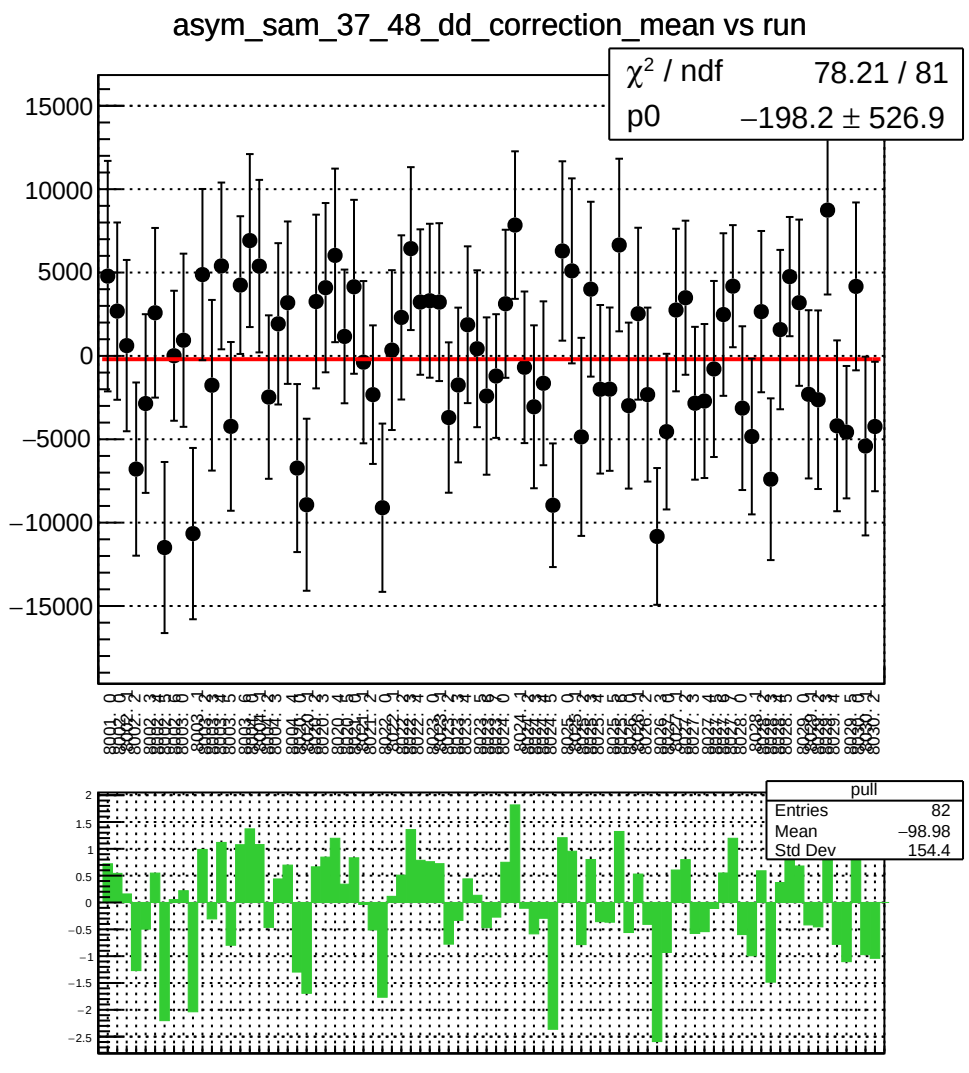

pull1D
Entries 82
Mean −0.006482
Std Dev 0.9181

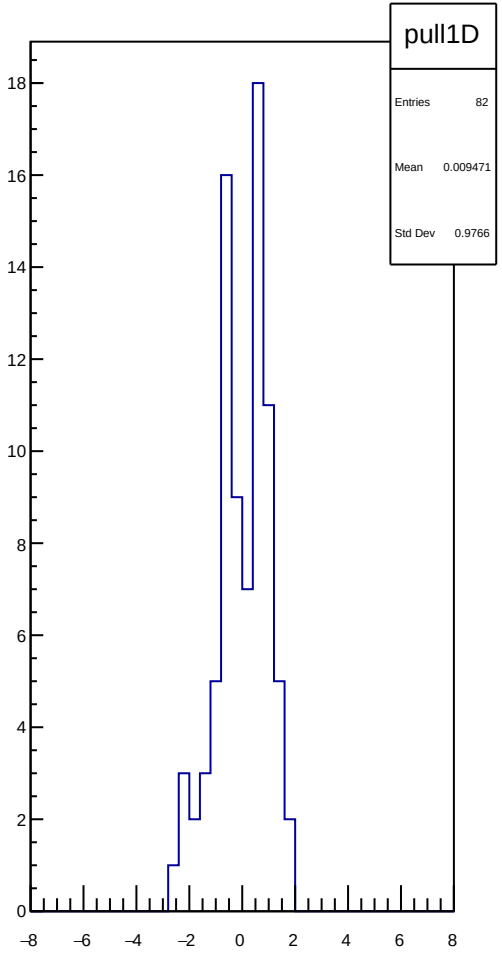

asym_sam_15_48_dd_rms vs run
χ² / ndf 1.414e+04 / 81
p0 977.5 ± 0.776
1250
1200
1150
1100
1050
1000
950
900
850

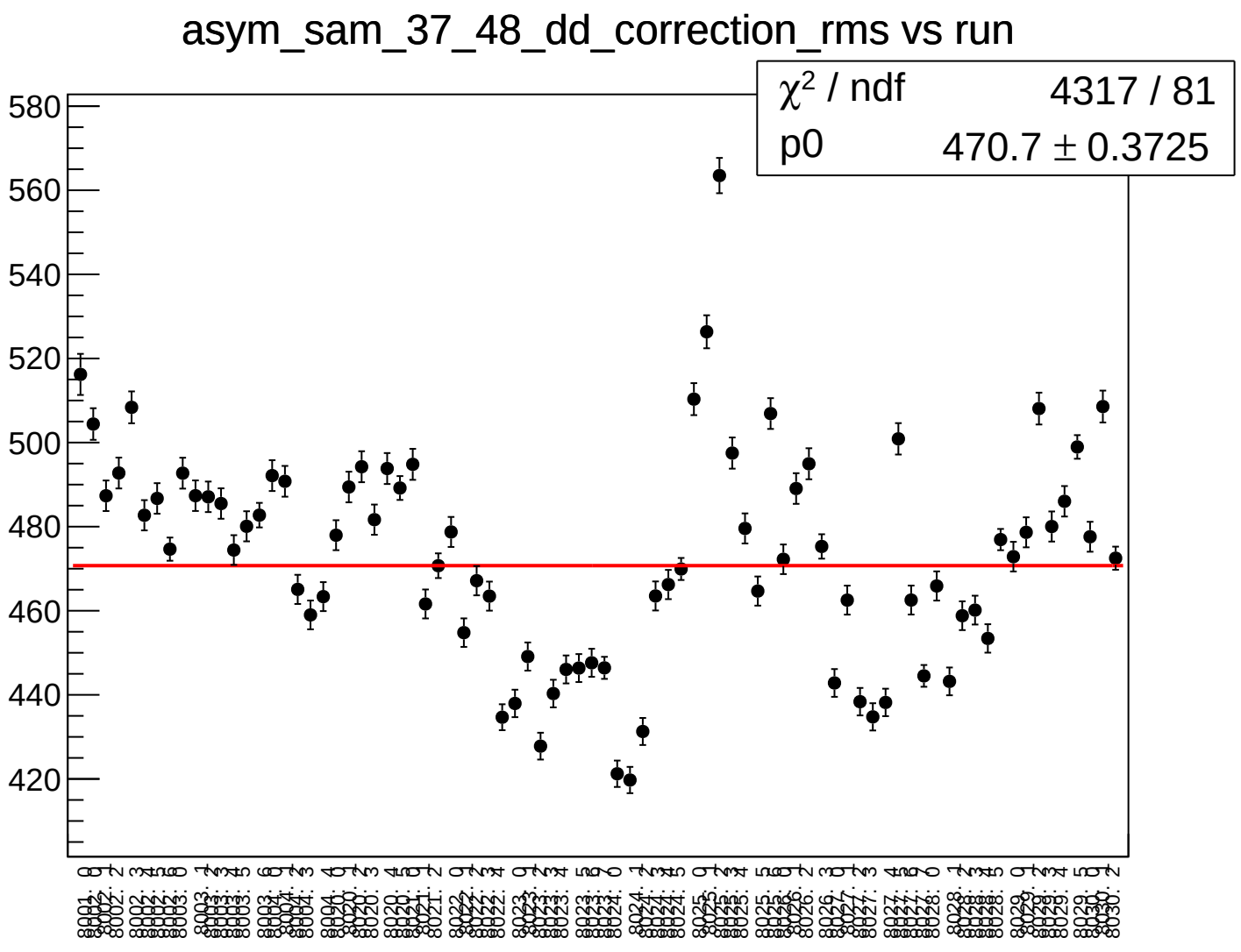

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 77.49 / 81
p0 −14.52 ± 68.55
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 281
Std Dev 223
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

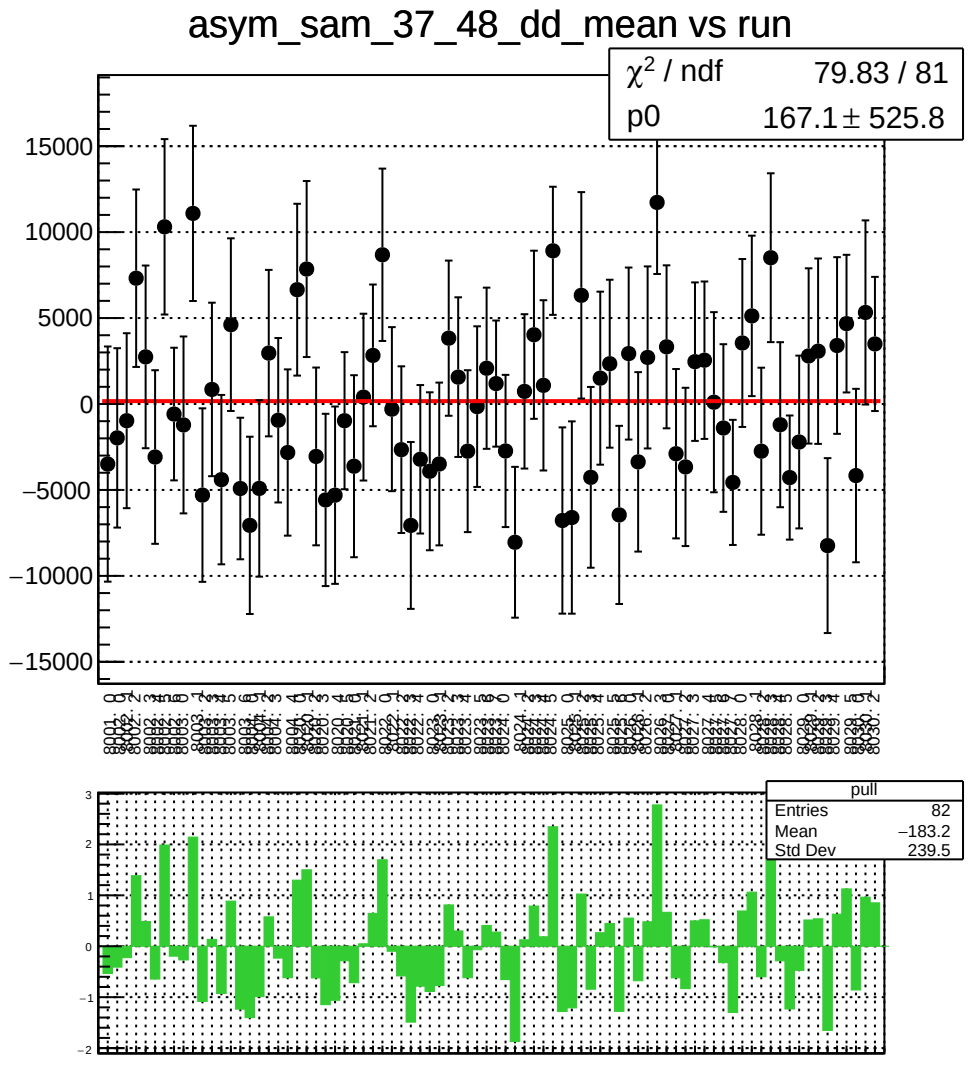

pull1D
Entries 82
Mean 0.006548
Std Dev 0.9721
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

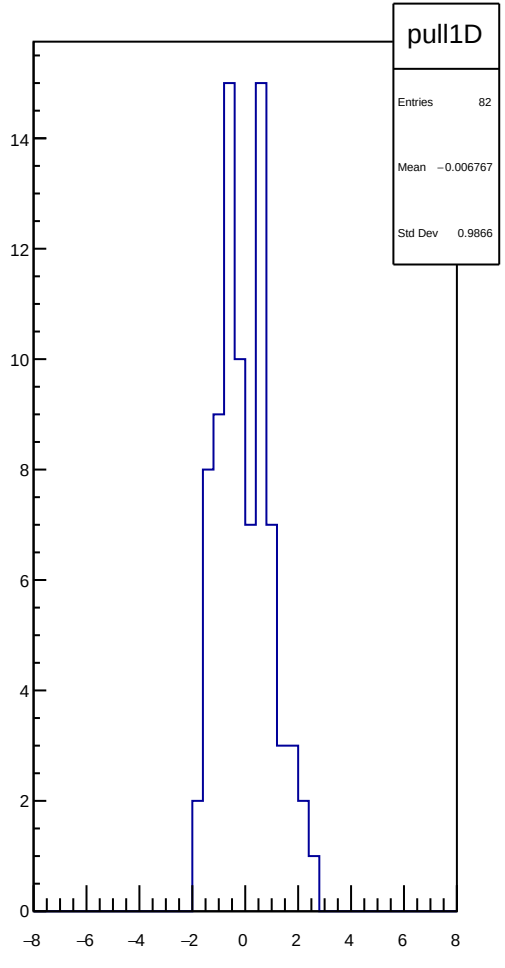

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1345 / 81
p0 61.3 ± 0.04847
66
65
64
63
62
61
60
59
58
57

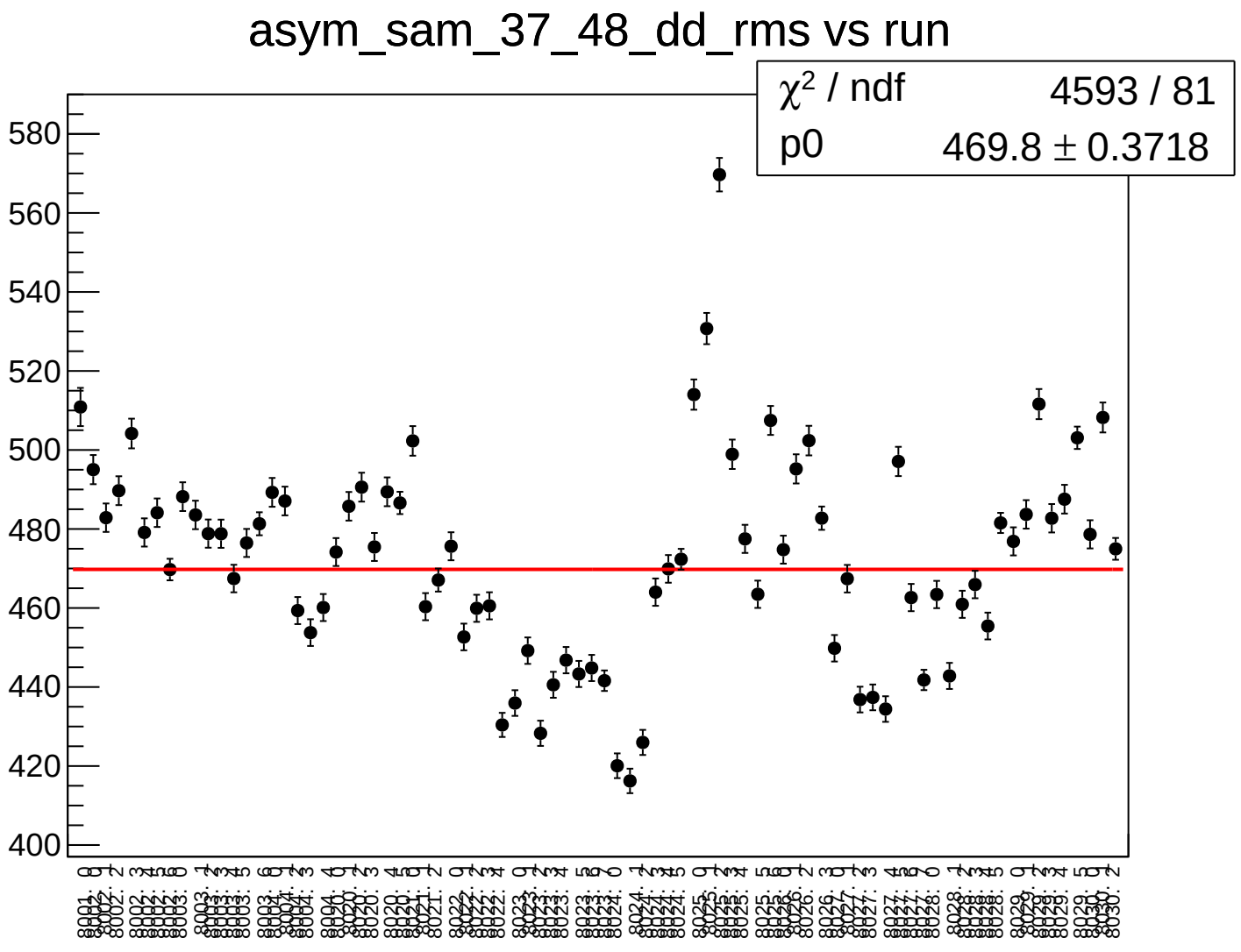

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 78.21 / 81
p0 −198.2 ± 526.9
pull
Entries 82
Mean −98.98
Std Dev 154.4

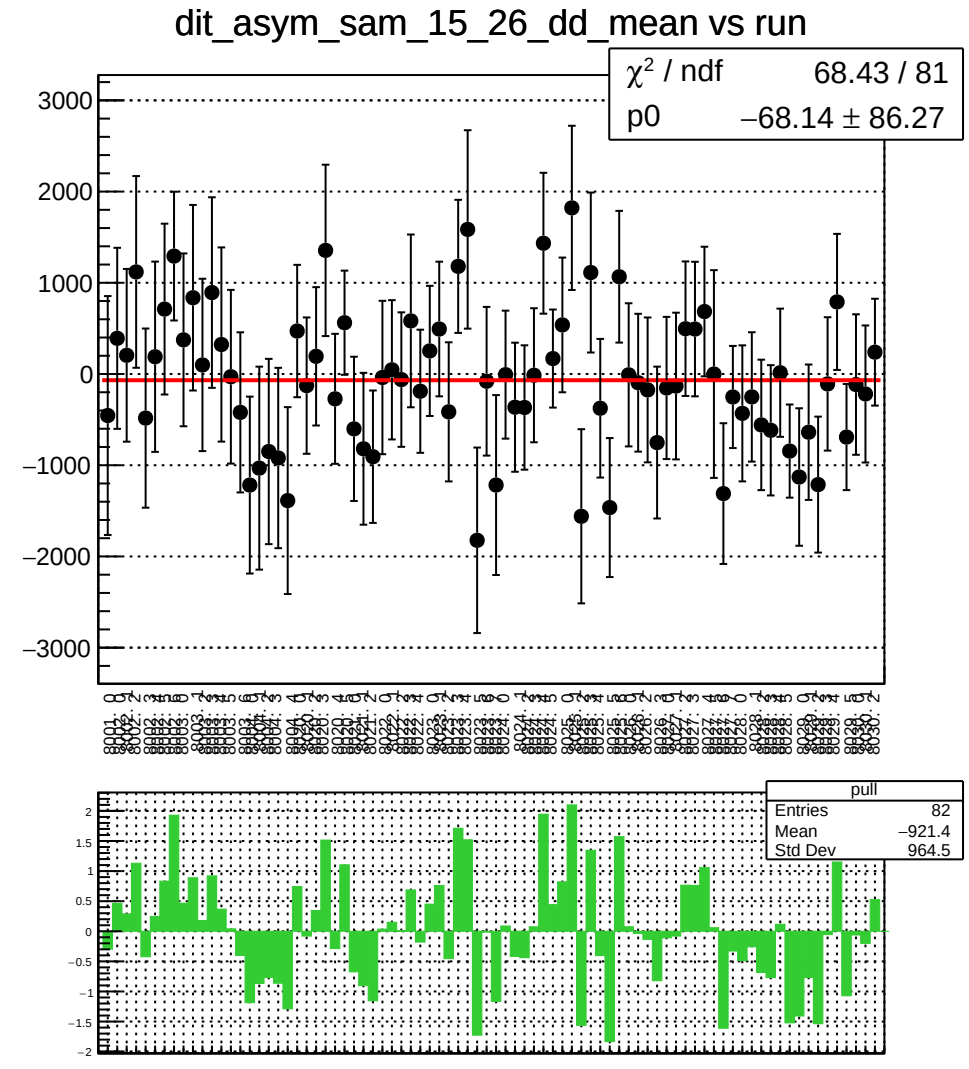

pull1D
Entries 82
Mean 0.009471
Std Dev 0.9766

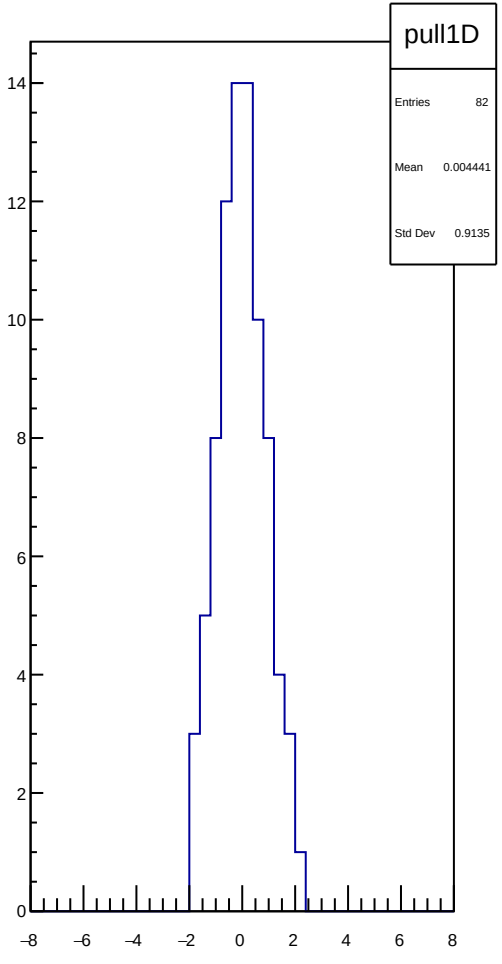

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 4317 / 81
p0 470.7 ± 0.3725
580
560
540
520
500
480
460
440
420

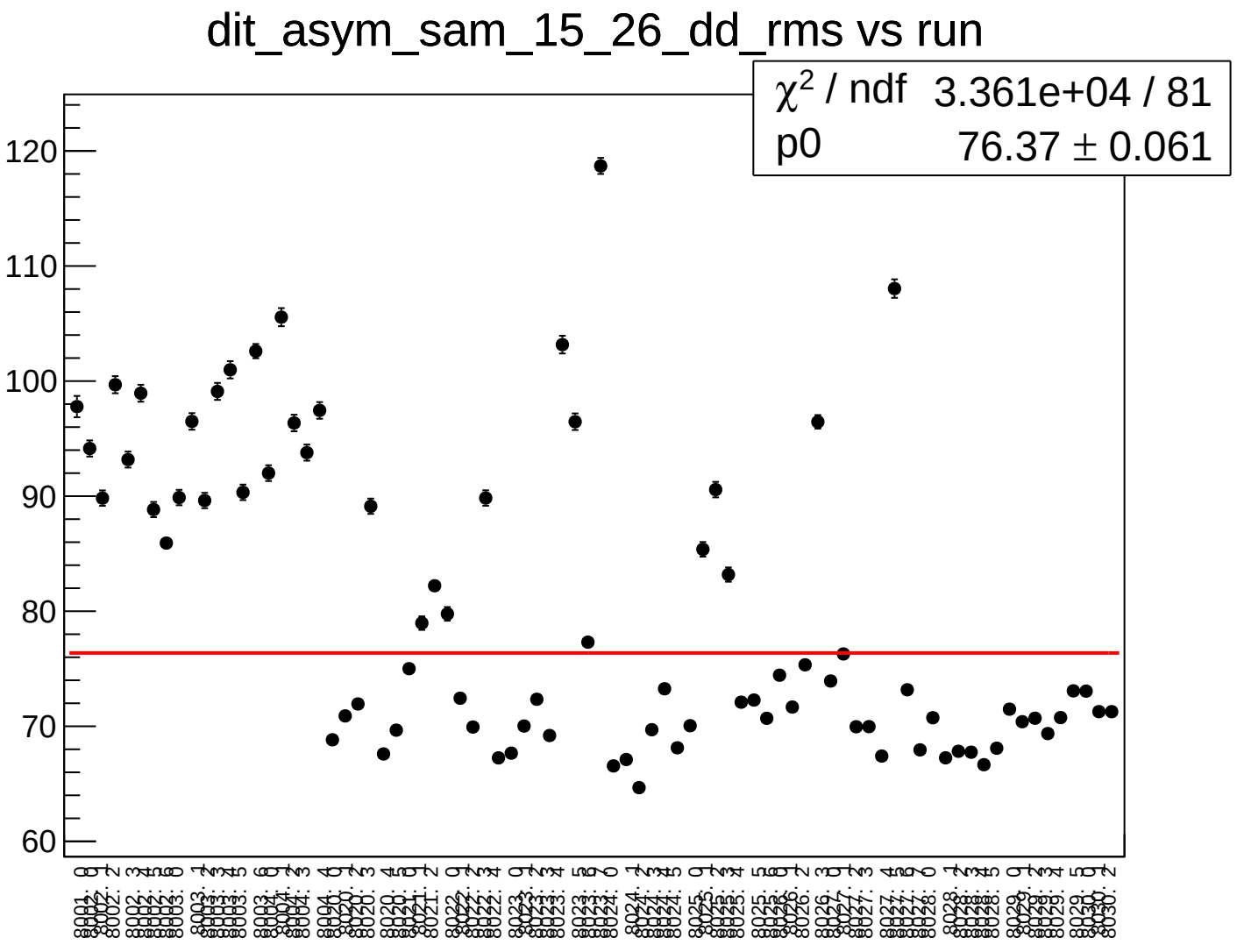

asym_sam_37_48_dd_mean vs run
χ² / ndf 79.83 / 81
p0 167.1 ± 525.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −183.2
Std Dev 239.5
3
2
1
0
−1
−2

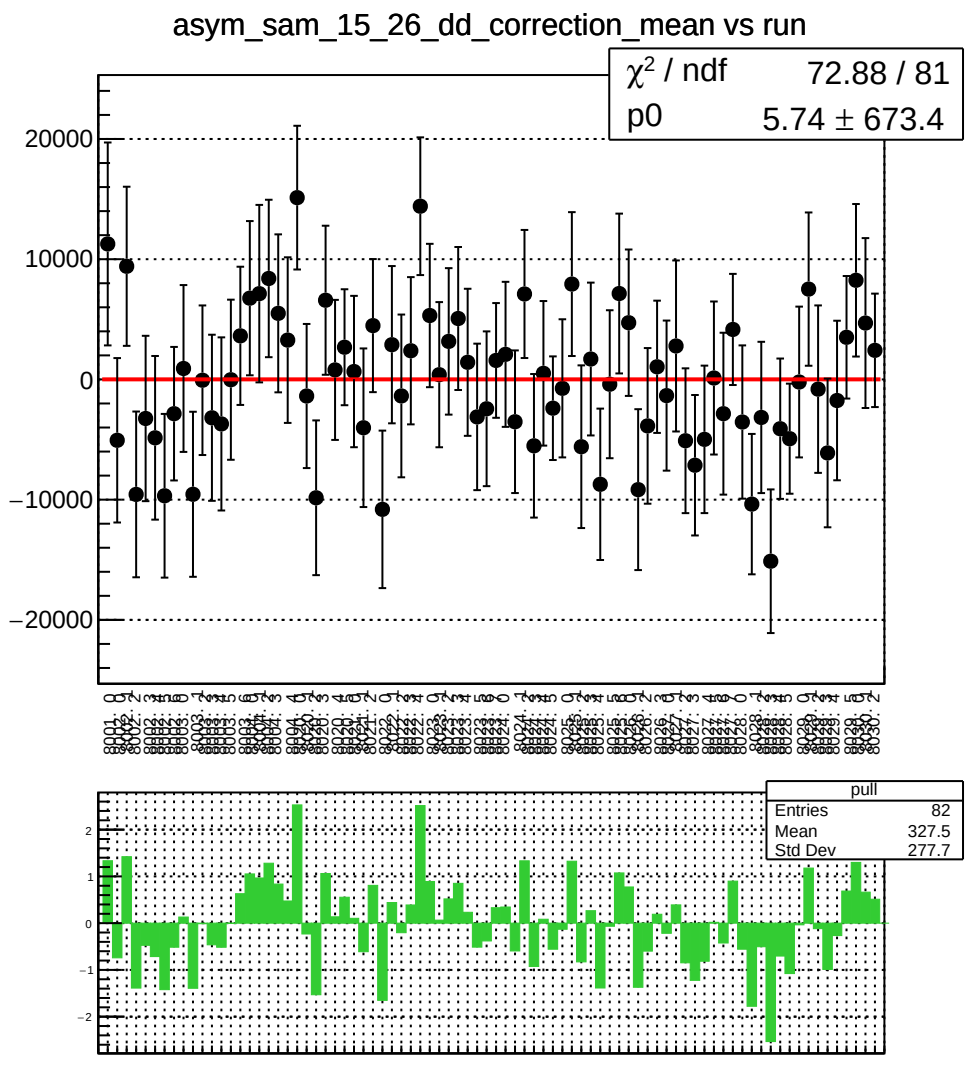

pull1D
Entries 82
Mean −0.006767
Std Dev 0.9866
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

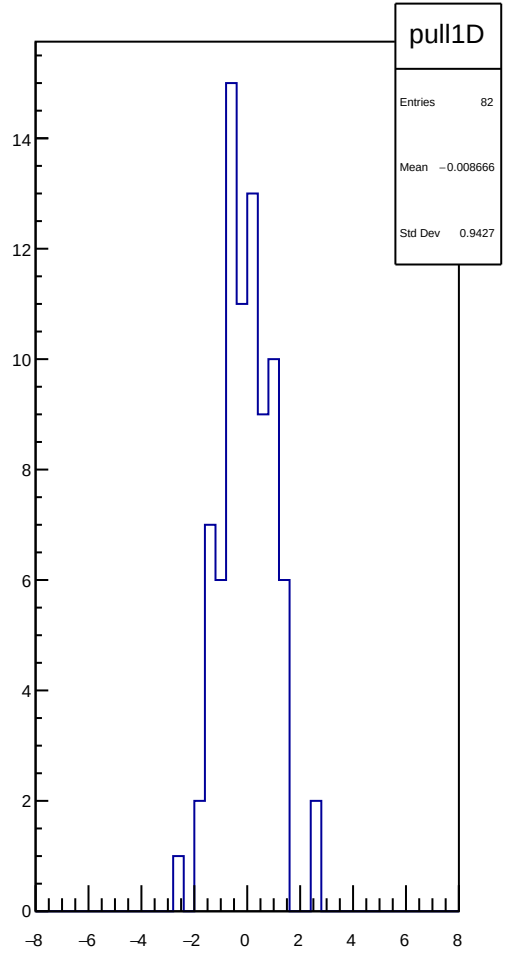

asym_sam_37_48_dd_rms vs run
χ² / ndf 4593 / 81
p0 469.8 ± 0.3718
580
560
540
520
500
480
460
440
420
400

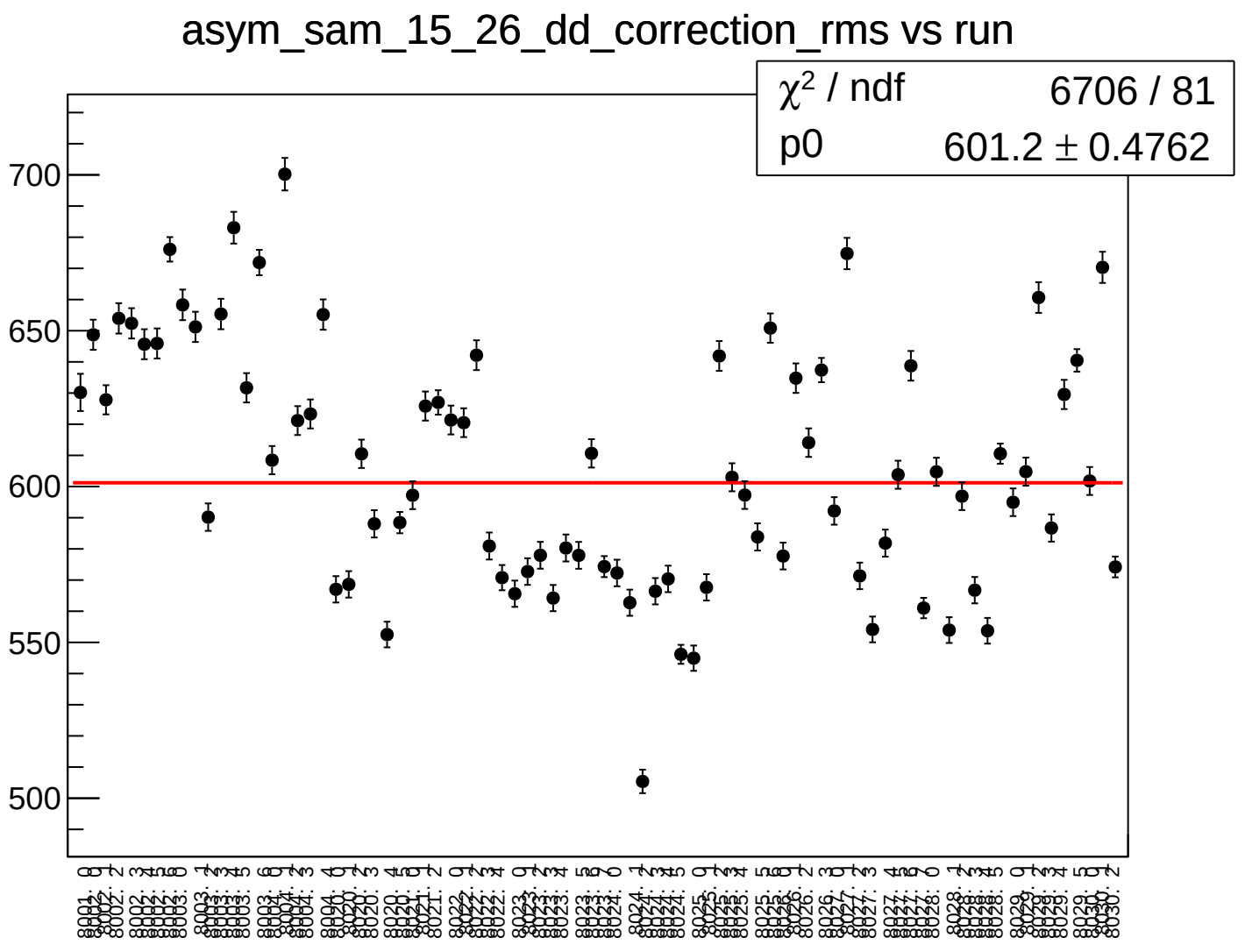

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 68.43 / 81
p0 −68.14 ± 86.27
pull
Entries 82
Mean −921.4
Std Dev 964.5

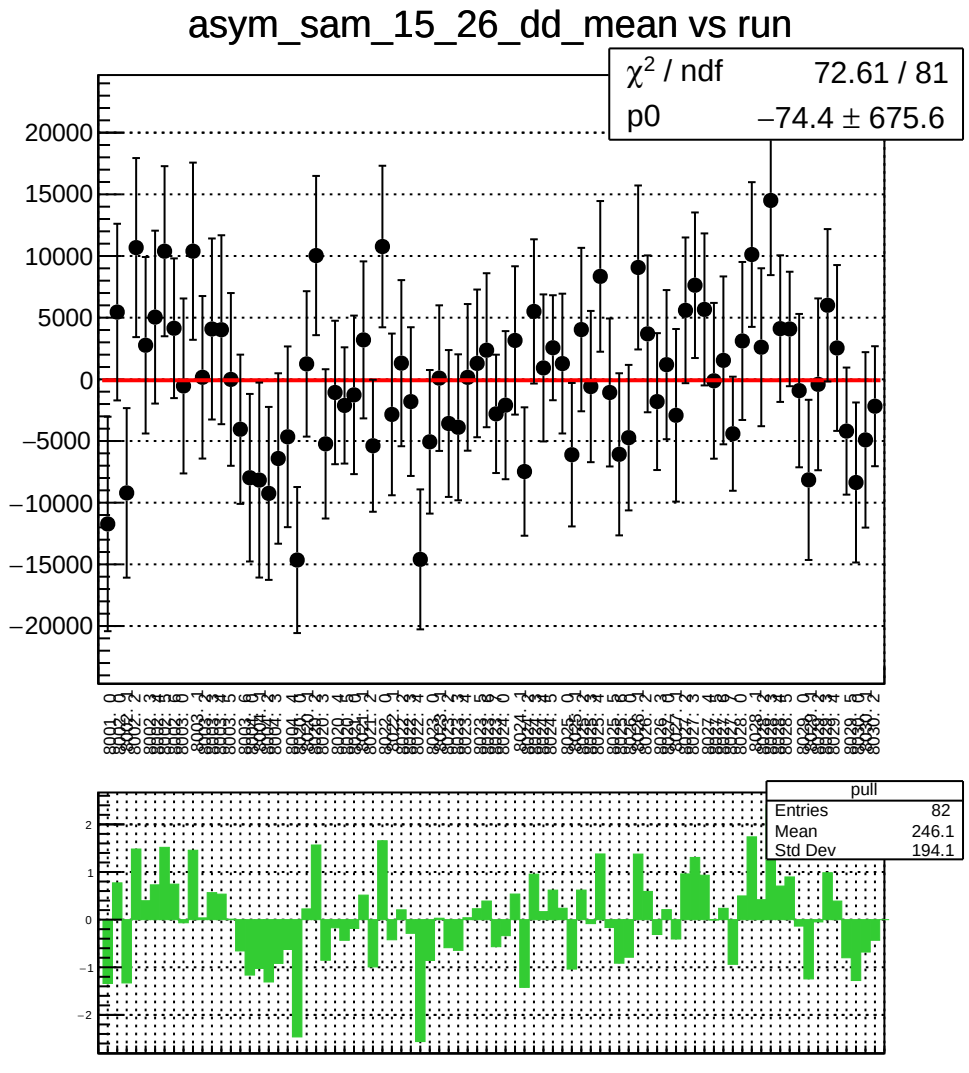

pull1D
Entries 82
Mean 0.004441
Std Dev 0.9135

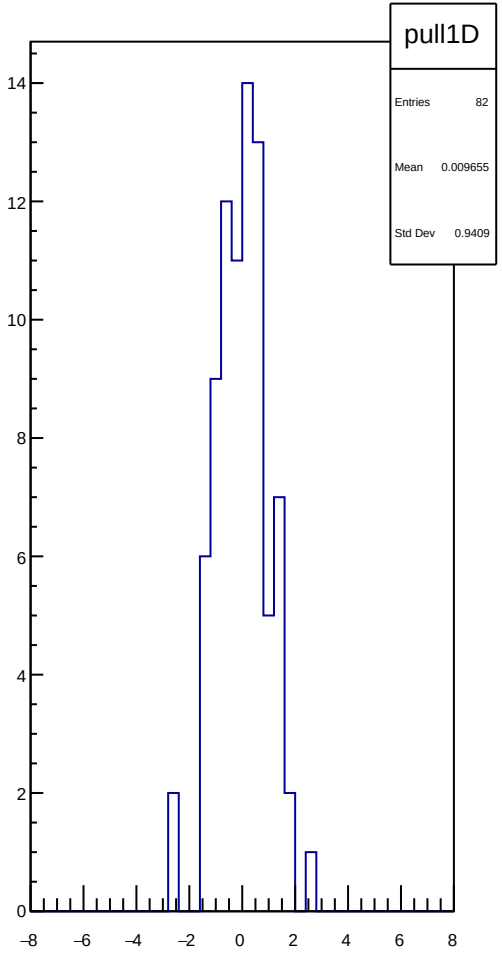

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 3.361e+04 / 81
p0 76.37 ± 0.061
120
110
100
90
80
70
60

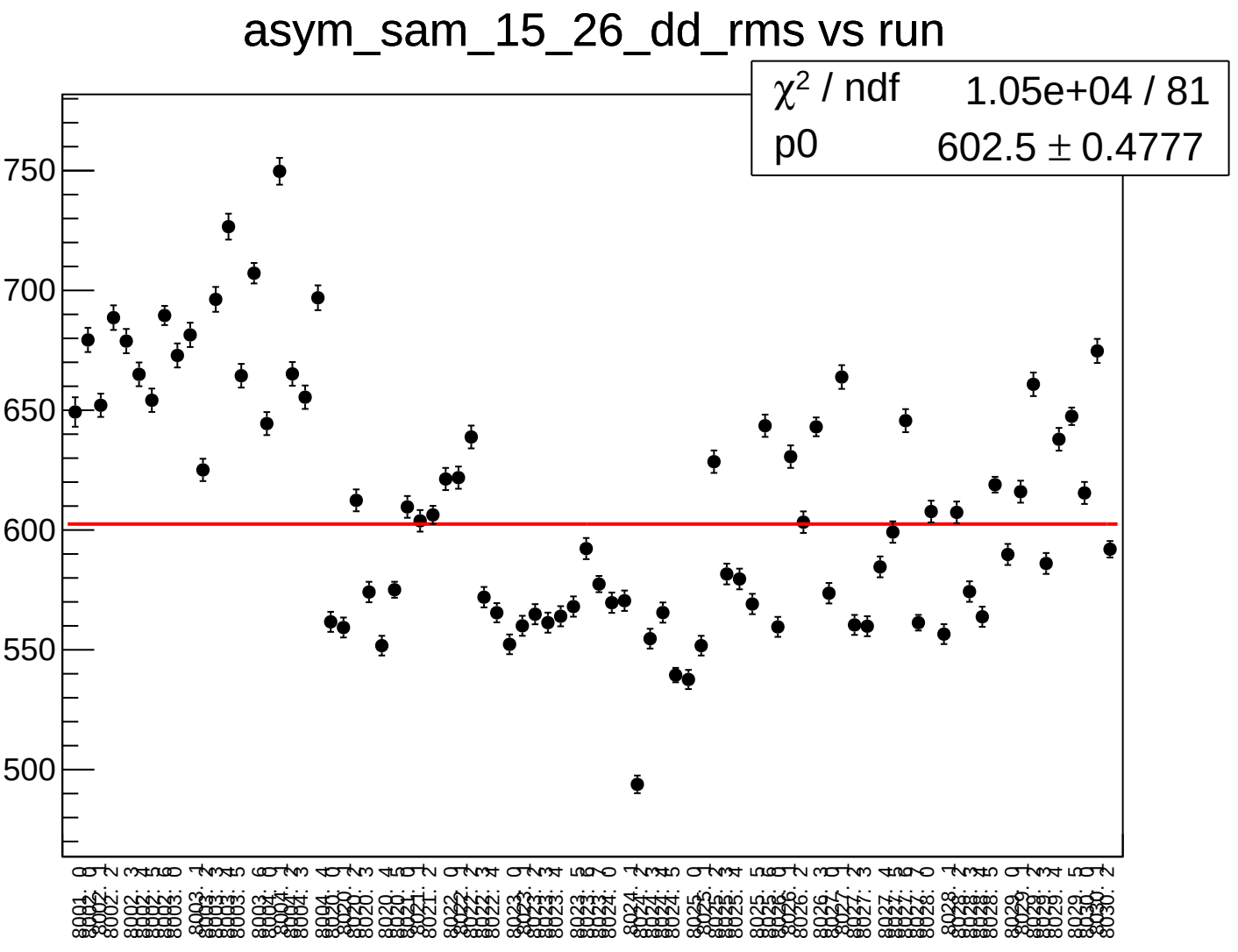

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 72.88 / 81
p0 5.74 ± 673.4
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 327.5
Std Dev 277.7
2
1
0
−1
−2

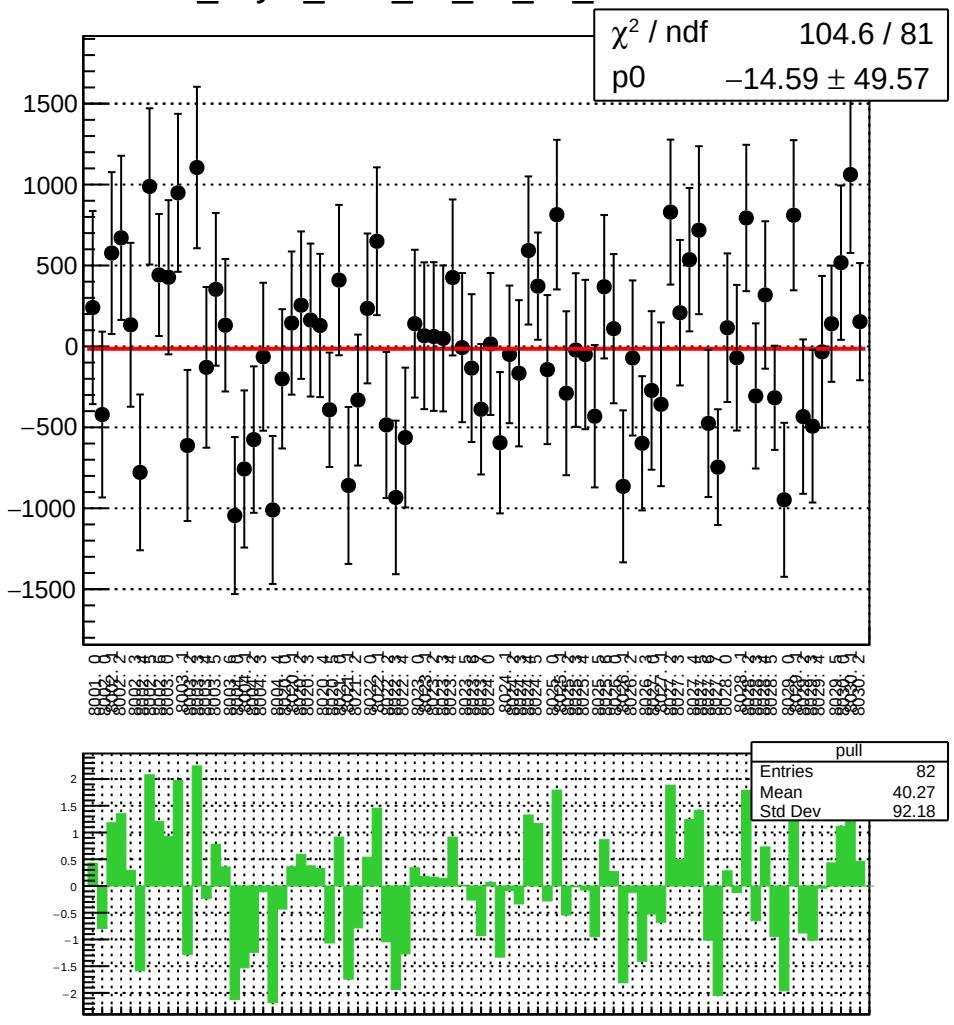

pull1D
Entries 82
Mean −0.008666
Std Dev 0.9427
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

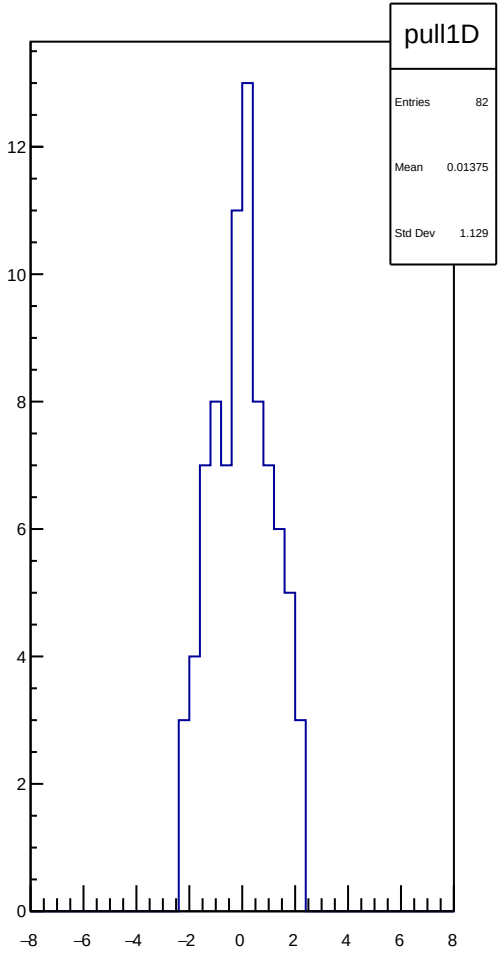

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 6706 / 81
p0 601.2 ± 0.4762
700
650
600
550
500

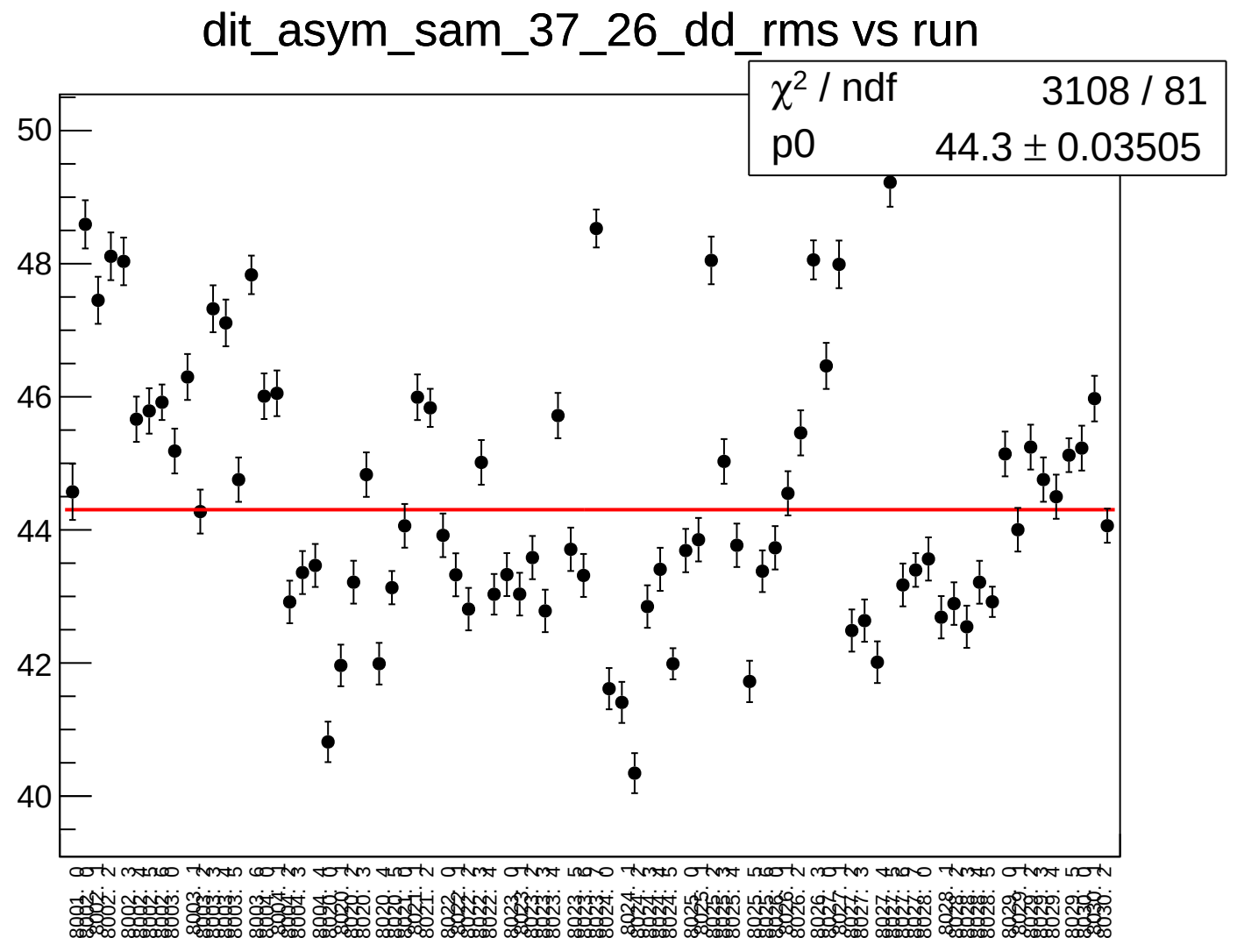

asym_sam_15_26_dd_mean vs run
χ² / ndf 72.61 / 81
p0 −74.4 ± 675.6
pull
Entries 82
Mean 246.1
Std Dev 194.1

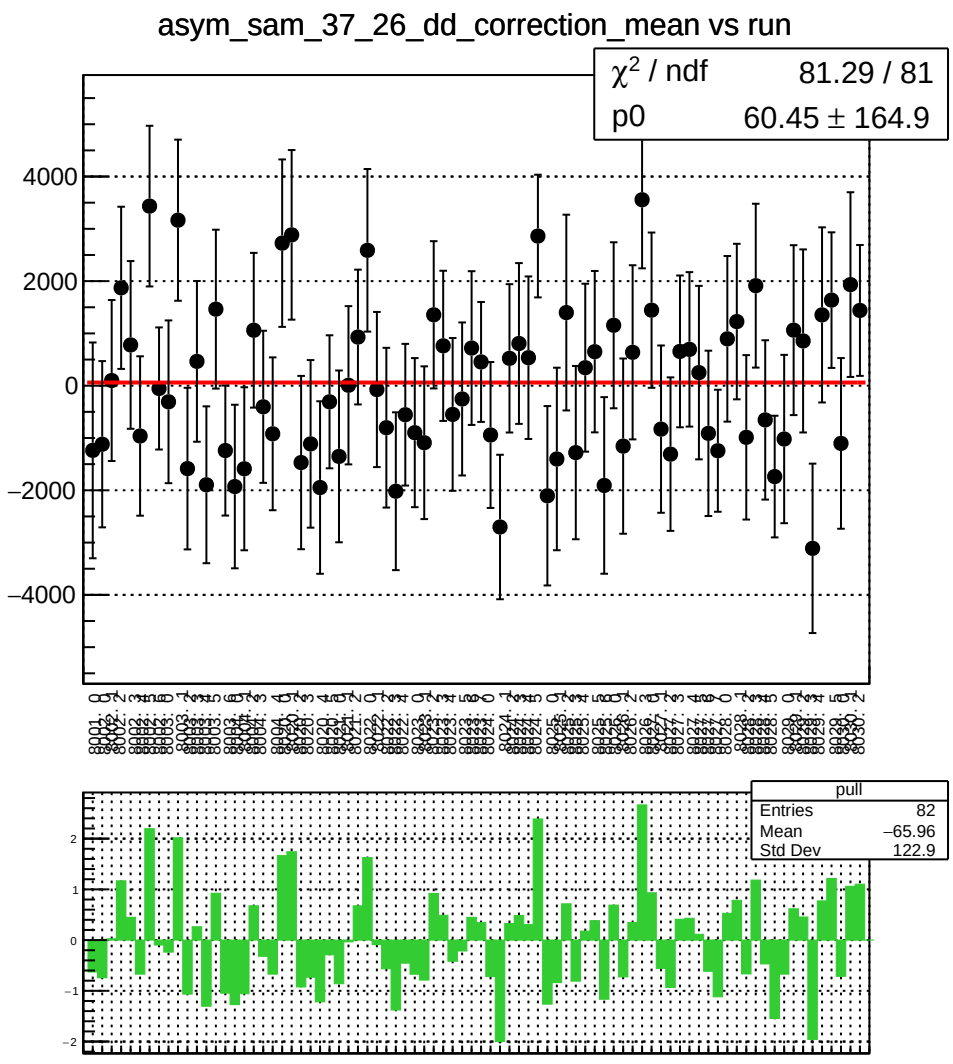

pull1D
Entries 82
Mean 0.009655
Std Dev 0.9409

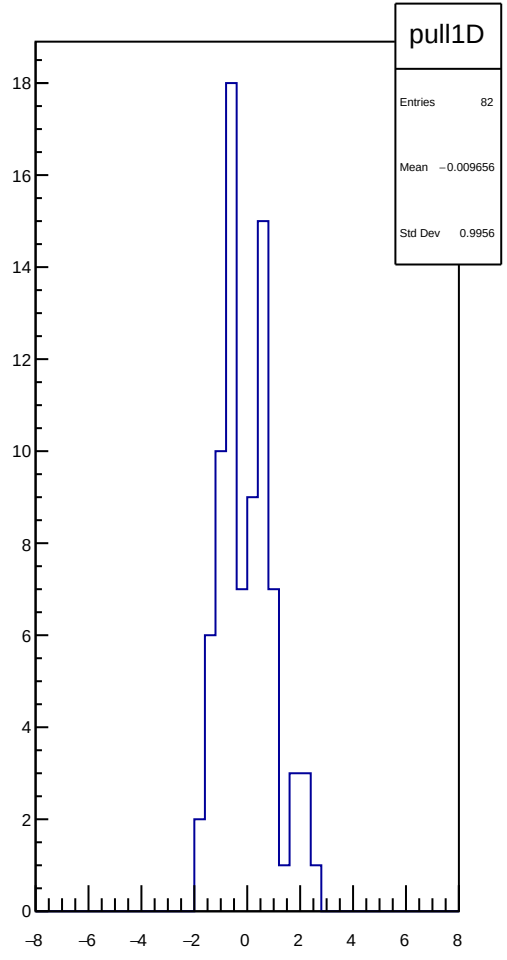

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.05e+04 / 81
p0 602.5 ± 0.4777
750
700
650
600
550
500

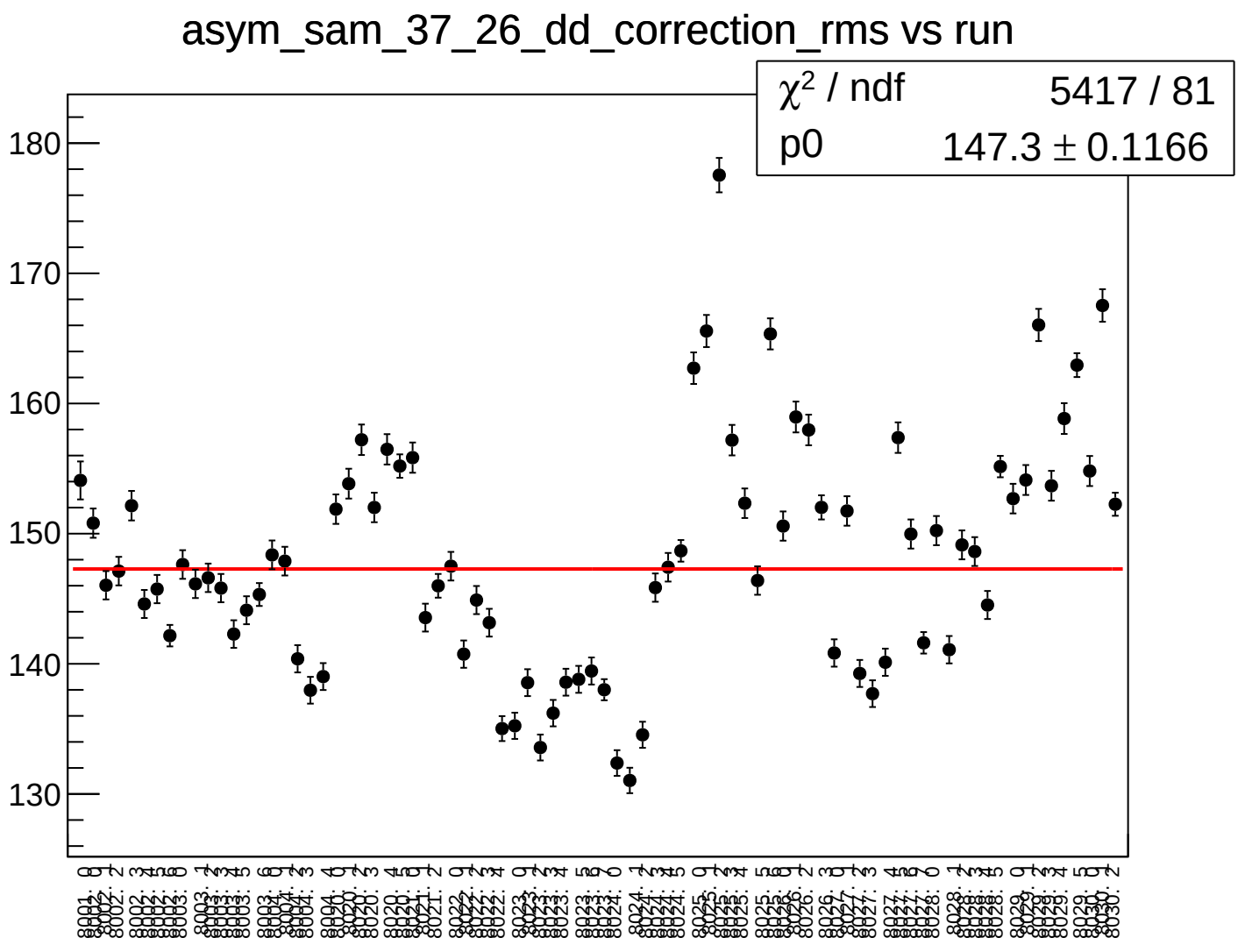

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 104.6 / 81
p0 −14.59 ± 49.57
pull
Entries 82
Mean 40.27
Std Dev 92.18

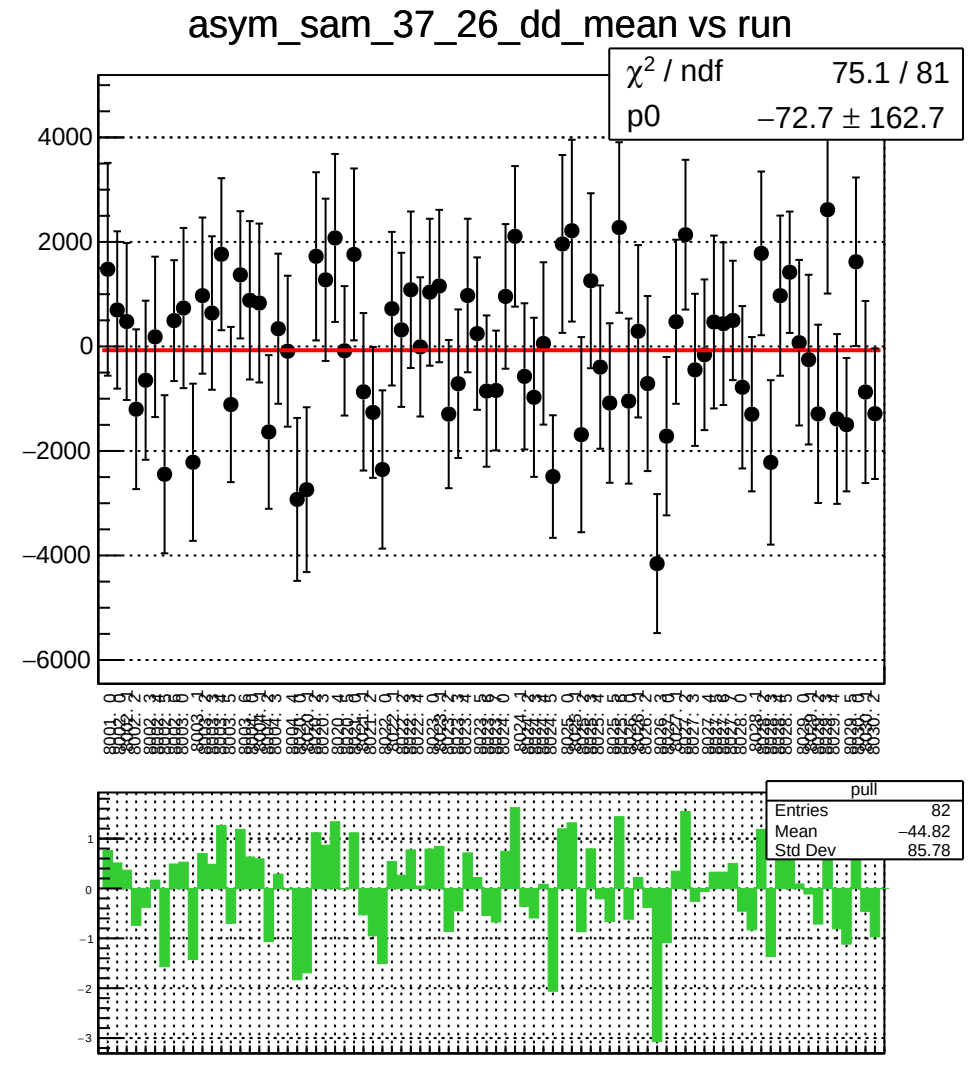

pull1D
Entries 82
Mean 0.01375
Std Dev 1.129

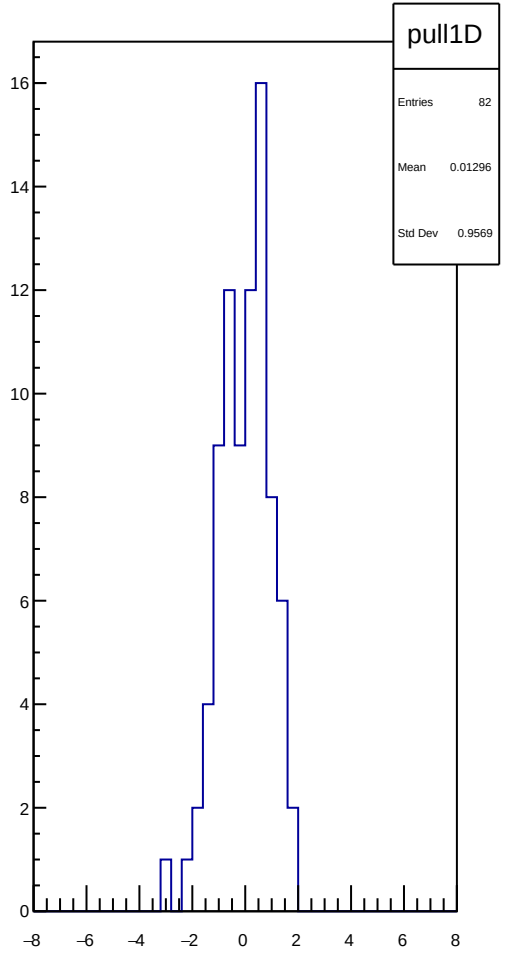

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3108 / 81
p0 44.3 ± 0.03505
50
48
46
44
42
40

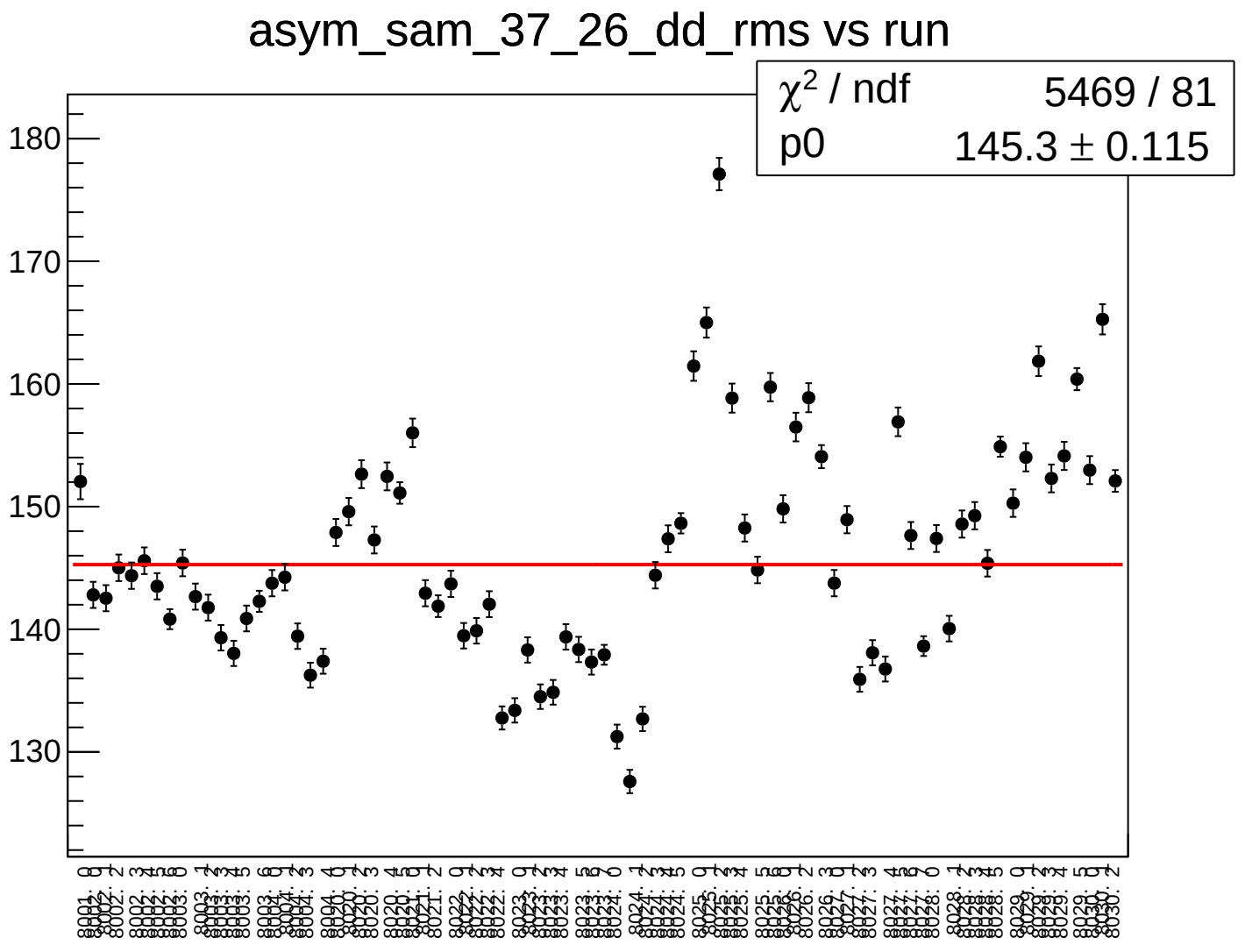

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 81.29 / 81
p0 60.45 ± 164.9
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −65.96
Std Dev 122.9
2
1
0
−1
−2

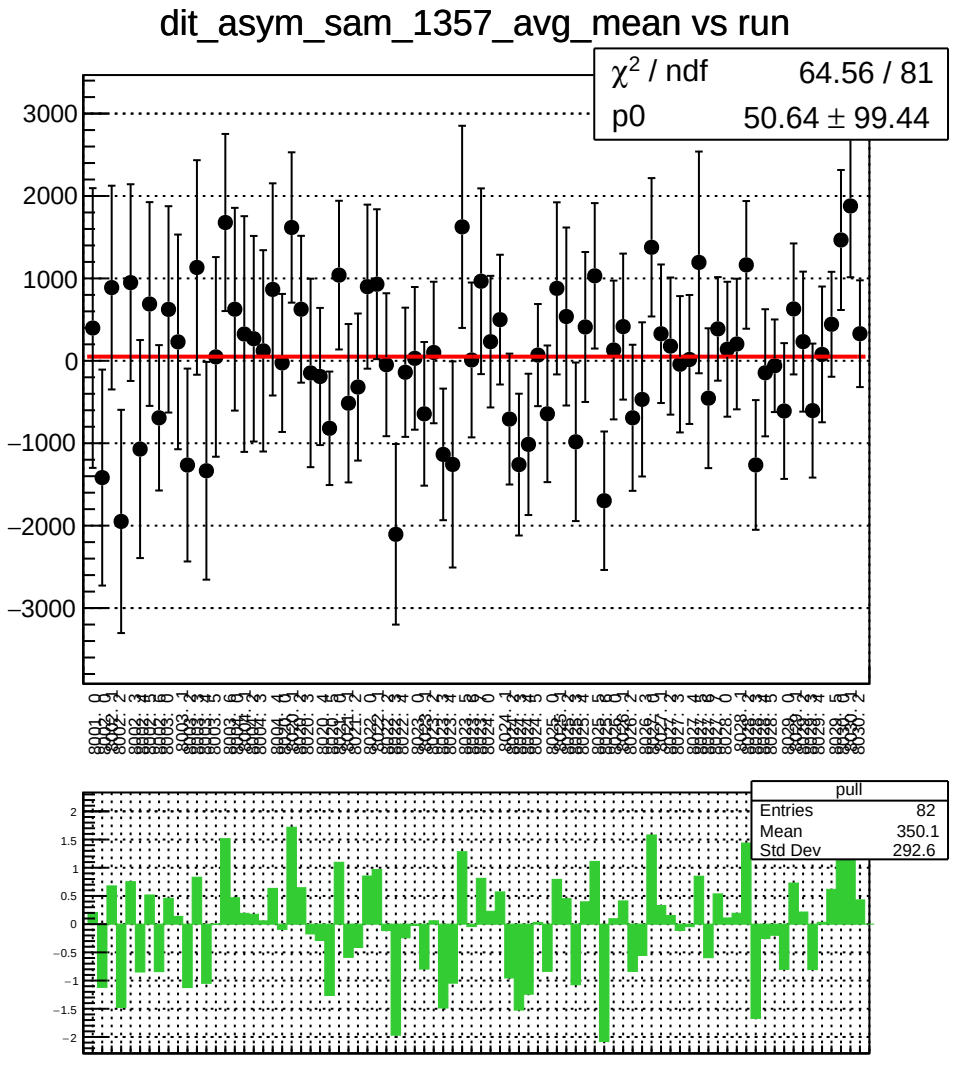

pull1D
Entries 82
Mean −0.009656
Std Dev 0.9956
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

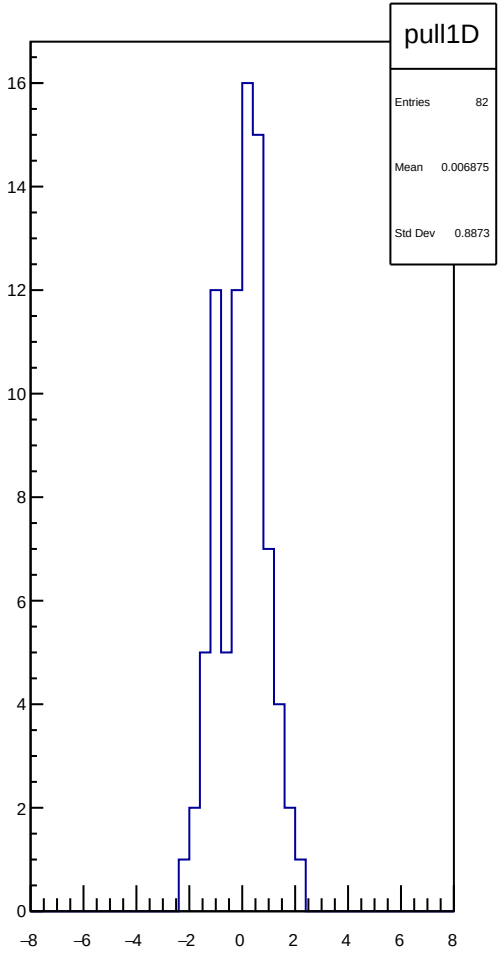

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 5417 / 81
p0 147.3 ± 0.1166
180
170
160
150
140
130

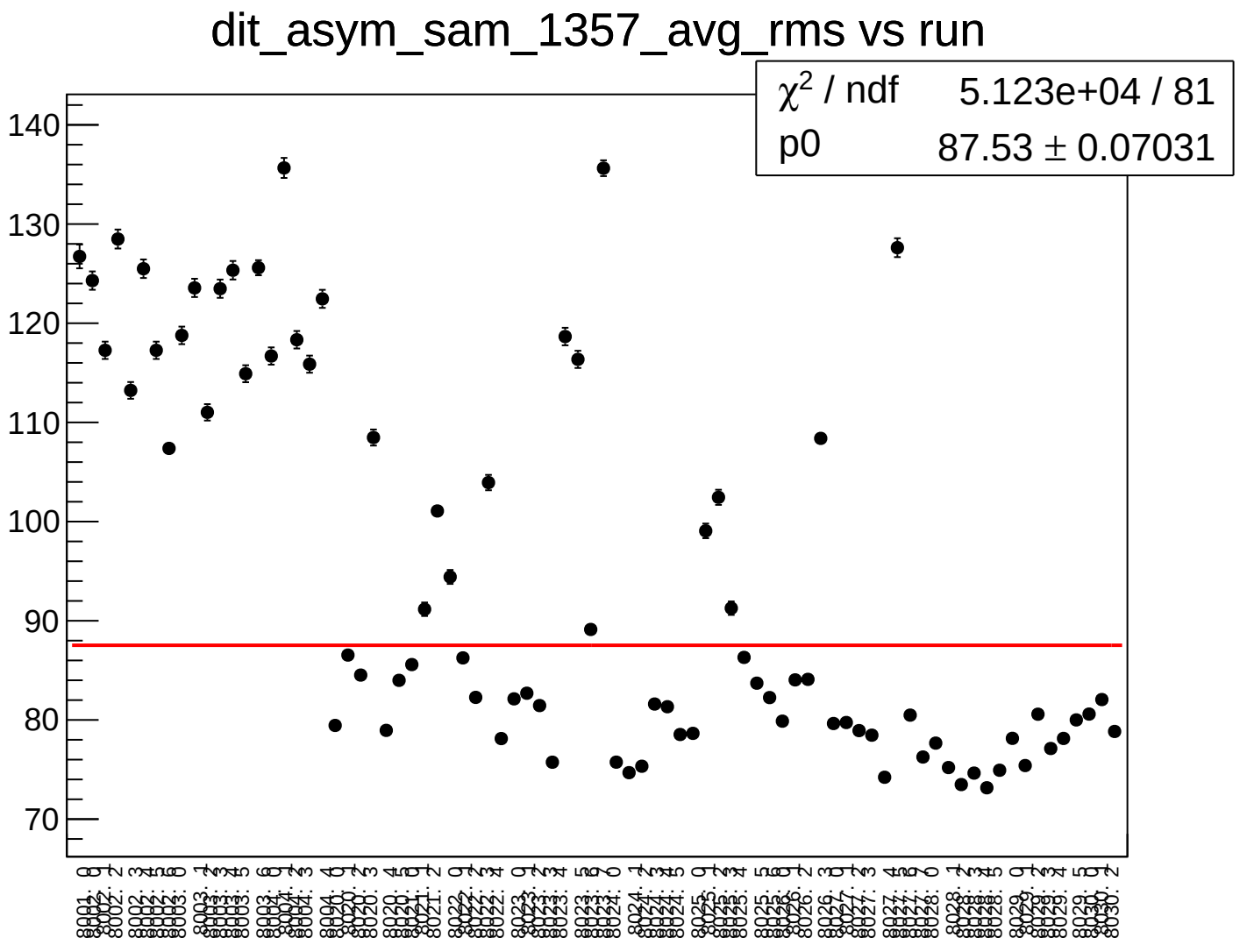

asym_sam_37_26_dd_mean vs run
χ² / ndf 75.1 / 81
p0 −72.7 ± 162.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −44.82
Std Dev 85.78
1
0
−1
−2
−3

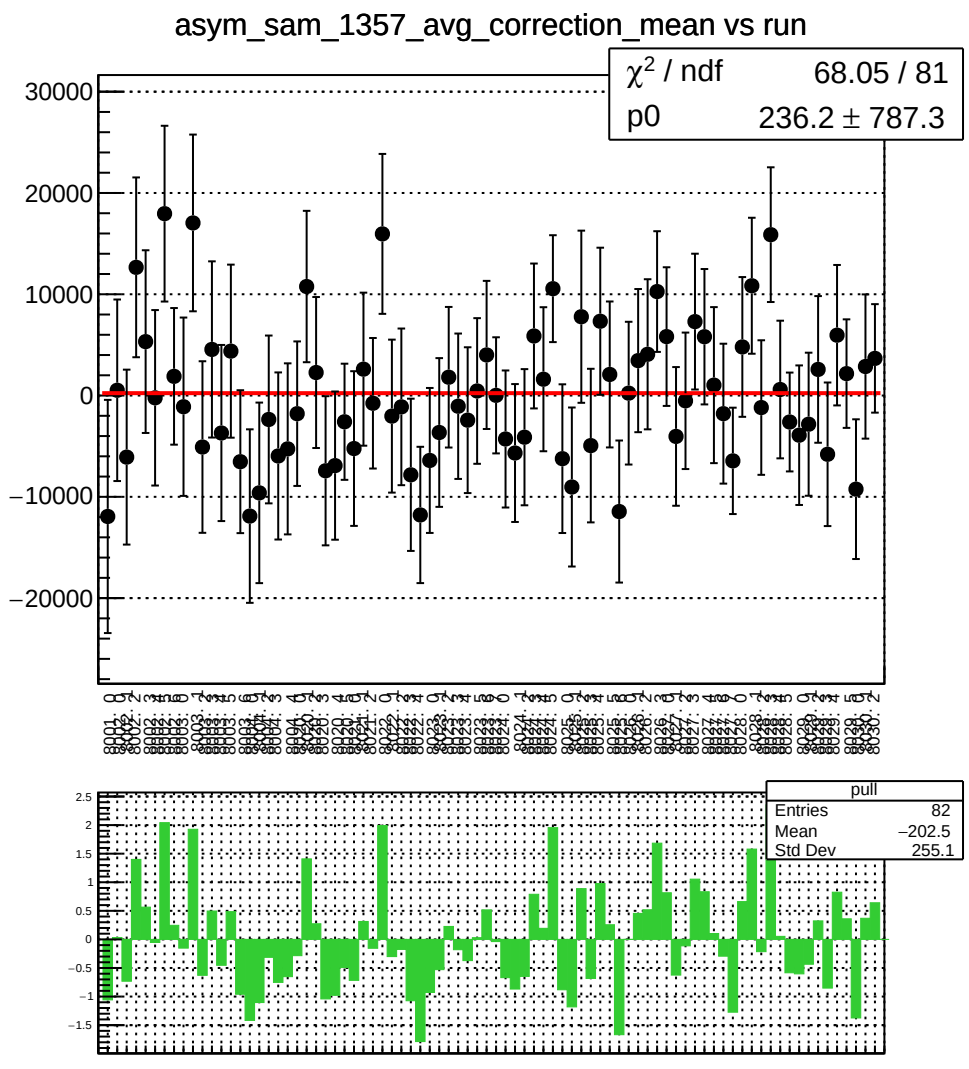

pull1D
Entries 82
Mean 0.01296
Std Dev 0.9569
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

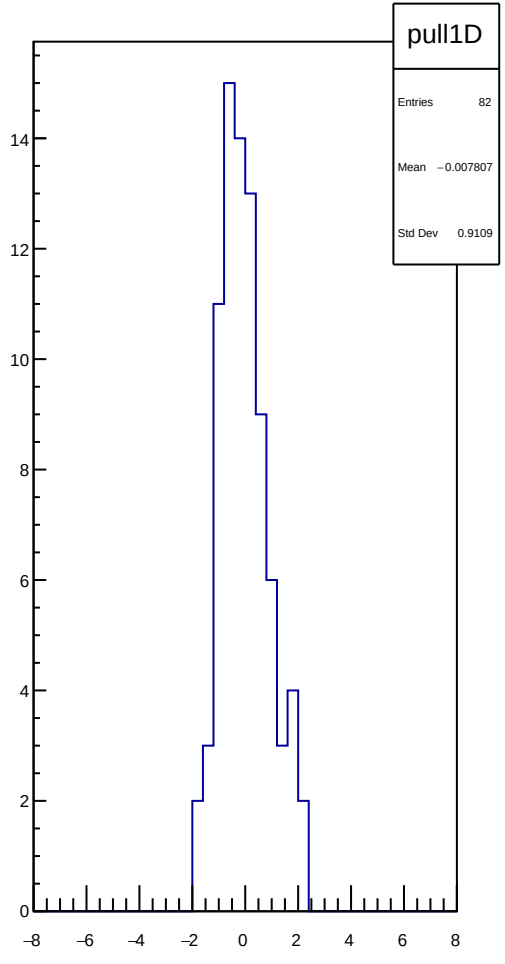

asym_sam_37_26_dd_rms vs run
χ² / ndf 5469 / 81
p0 145.3 ± 0.115
180
170
160
150
140
130

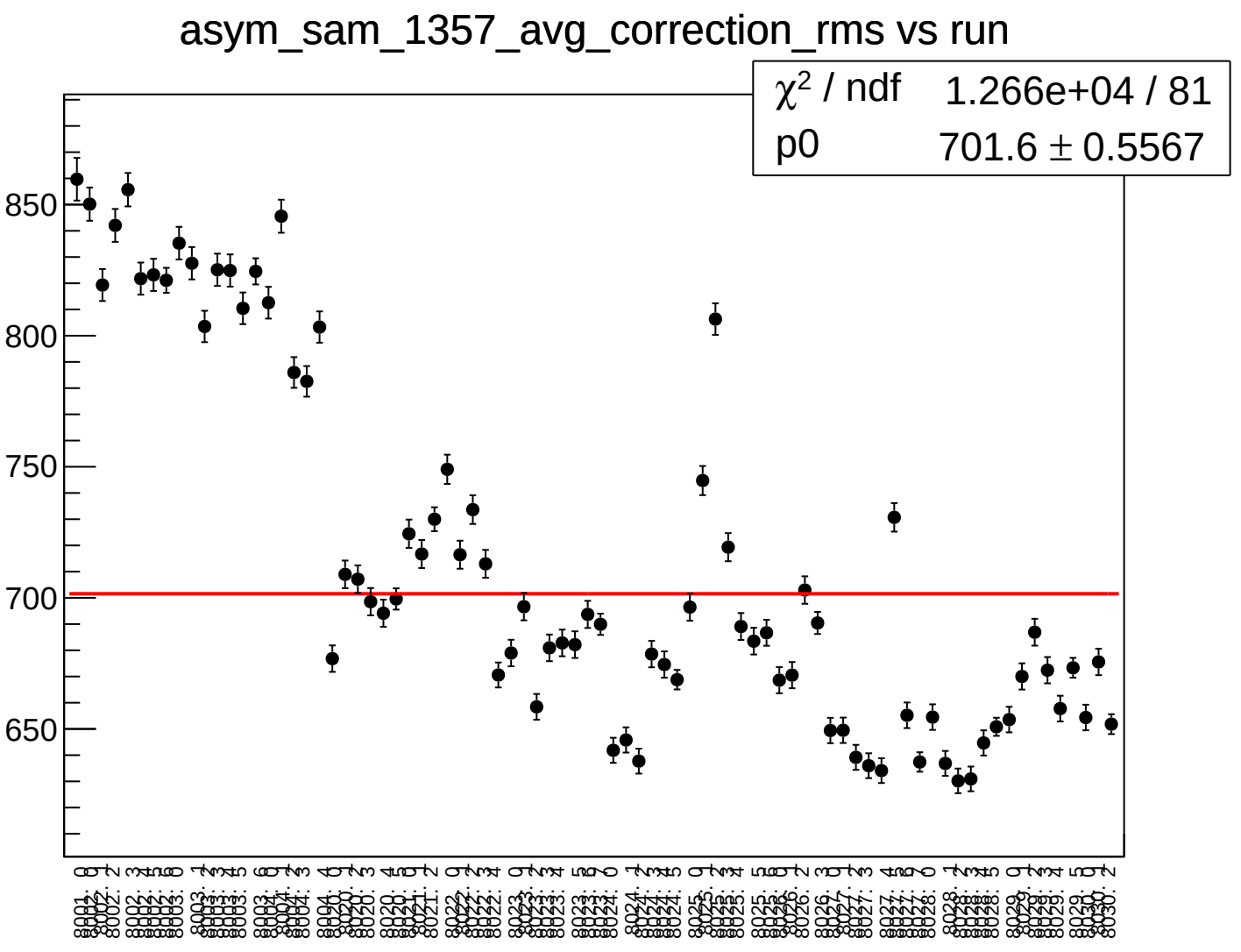

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 64.56 / 81
p0 50.64 ± 99.44
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 350.1
Std Dev 292.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

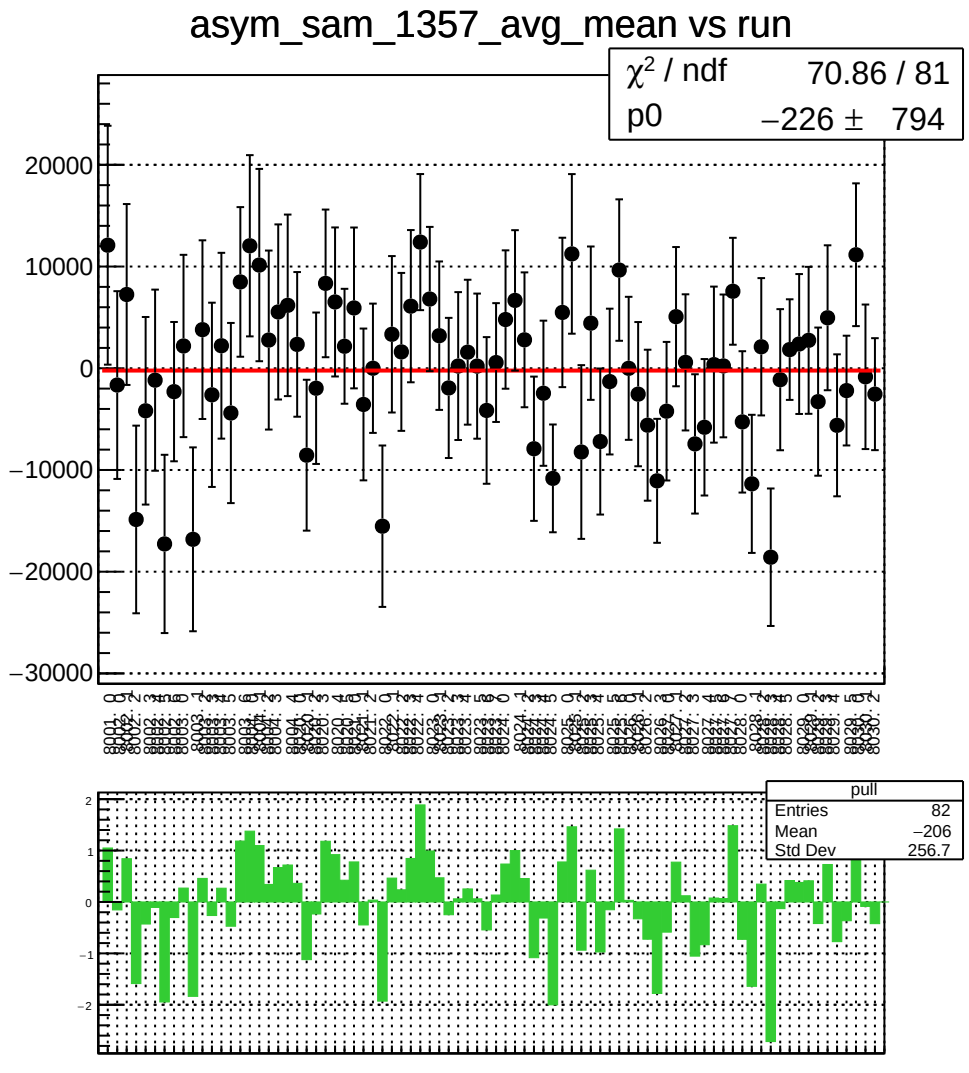

pull1D
Entries 82
Mean 0.006875
Std Dev 0.8873
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

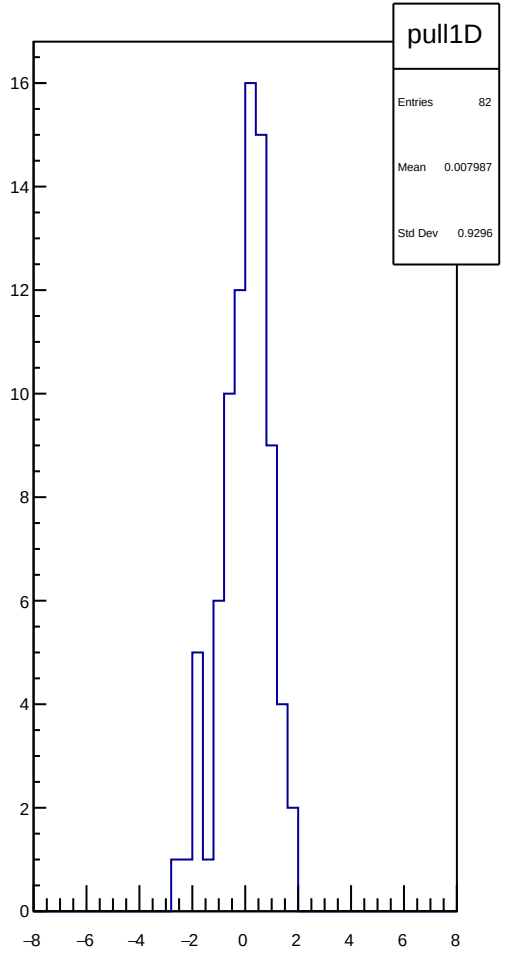

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 5.123e+04 / 81
p0 87.53 ± 0.07031
140
130
120
110
100
90
80
70

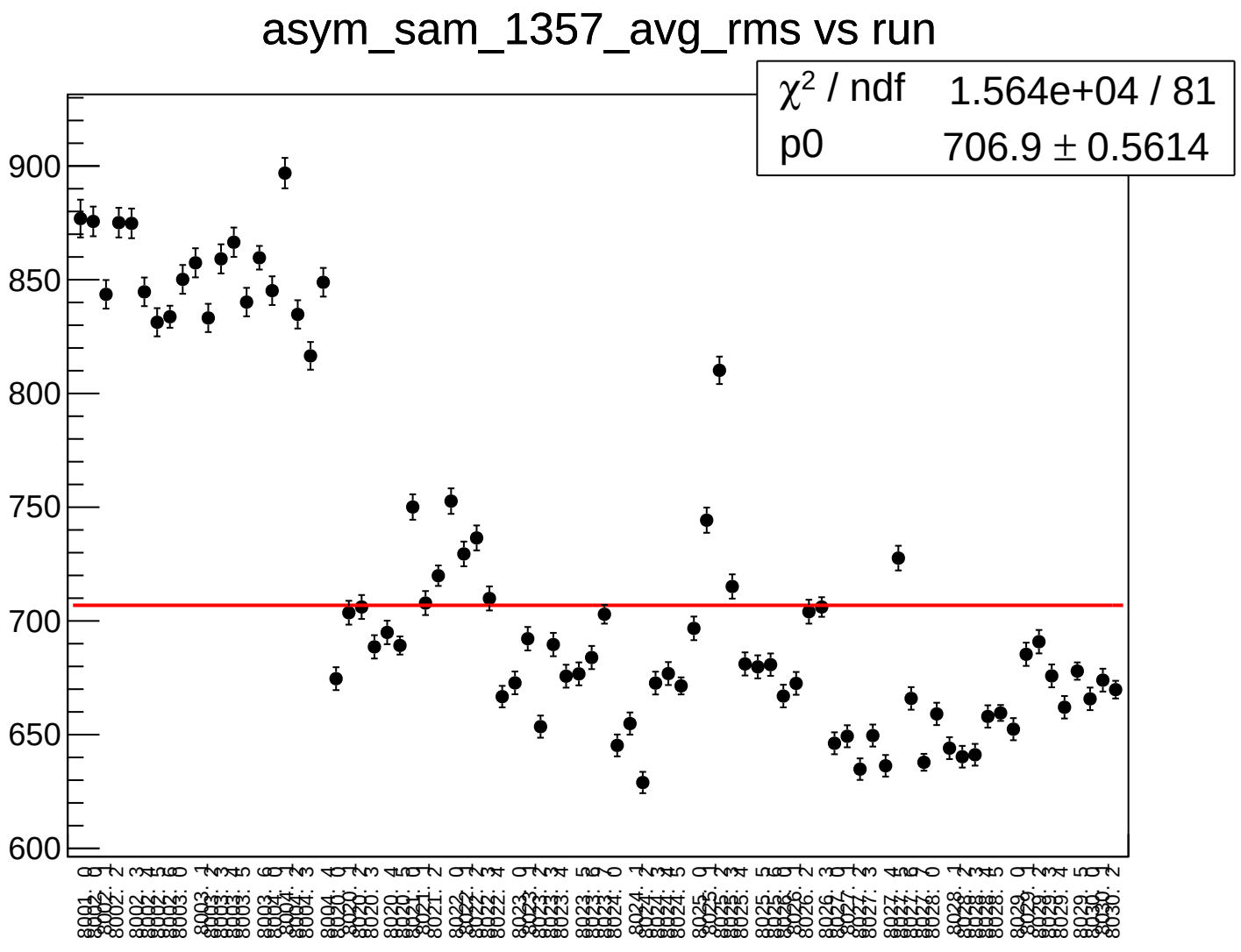

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 68.05 / 81
p0 236.2 ± 787.3
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −202.5
Std Dev 255.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

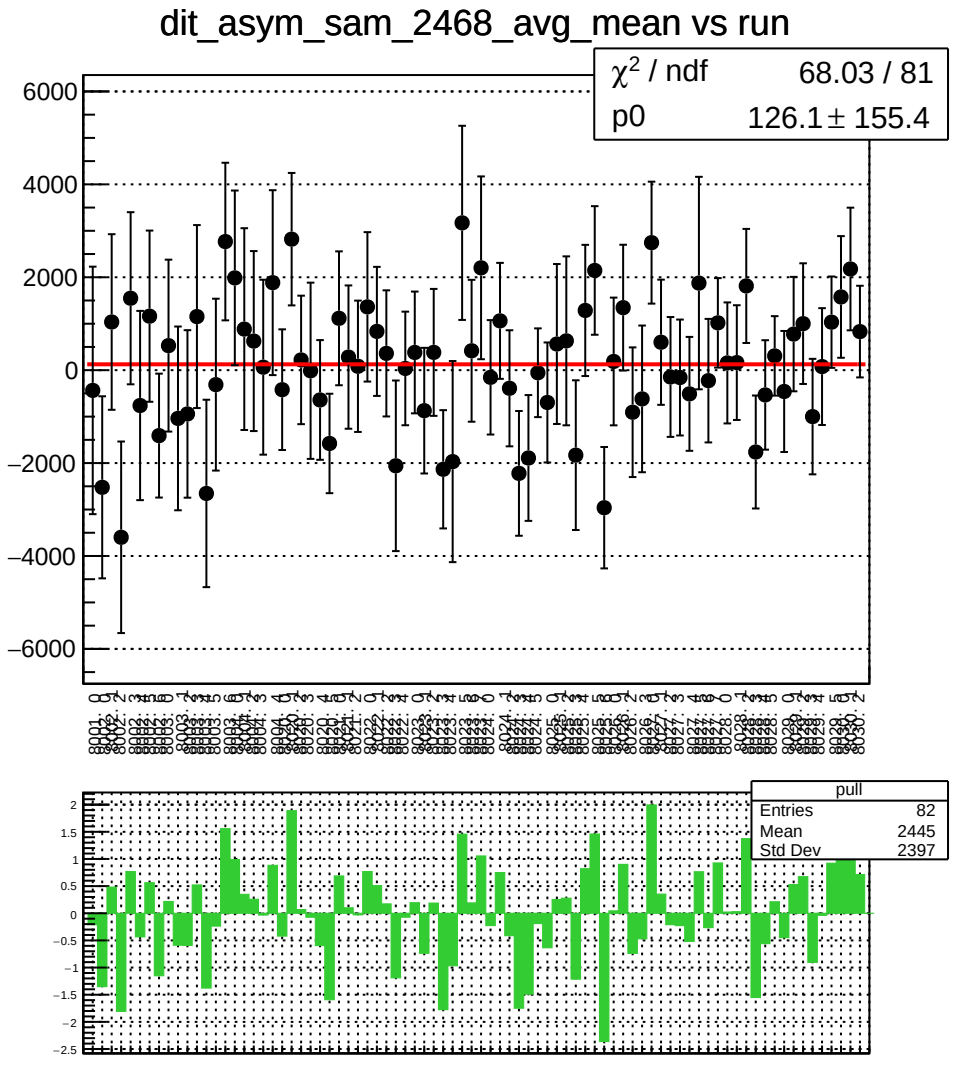

pull1D
Entries 82
Mean −0.007807
Std Dev 0.9109
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

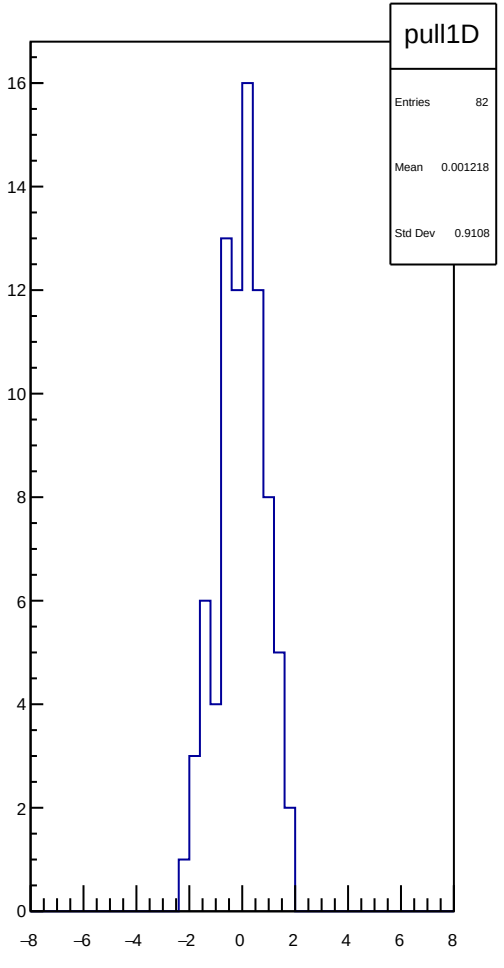

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1.266e+04 / 81
p0 701.6 ± 0.5567
850
800
750
700
650

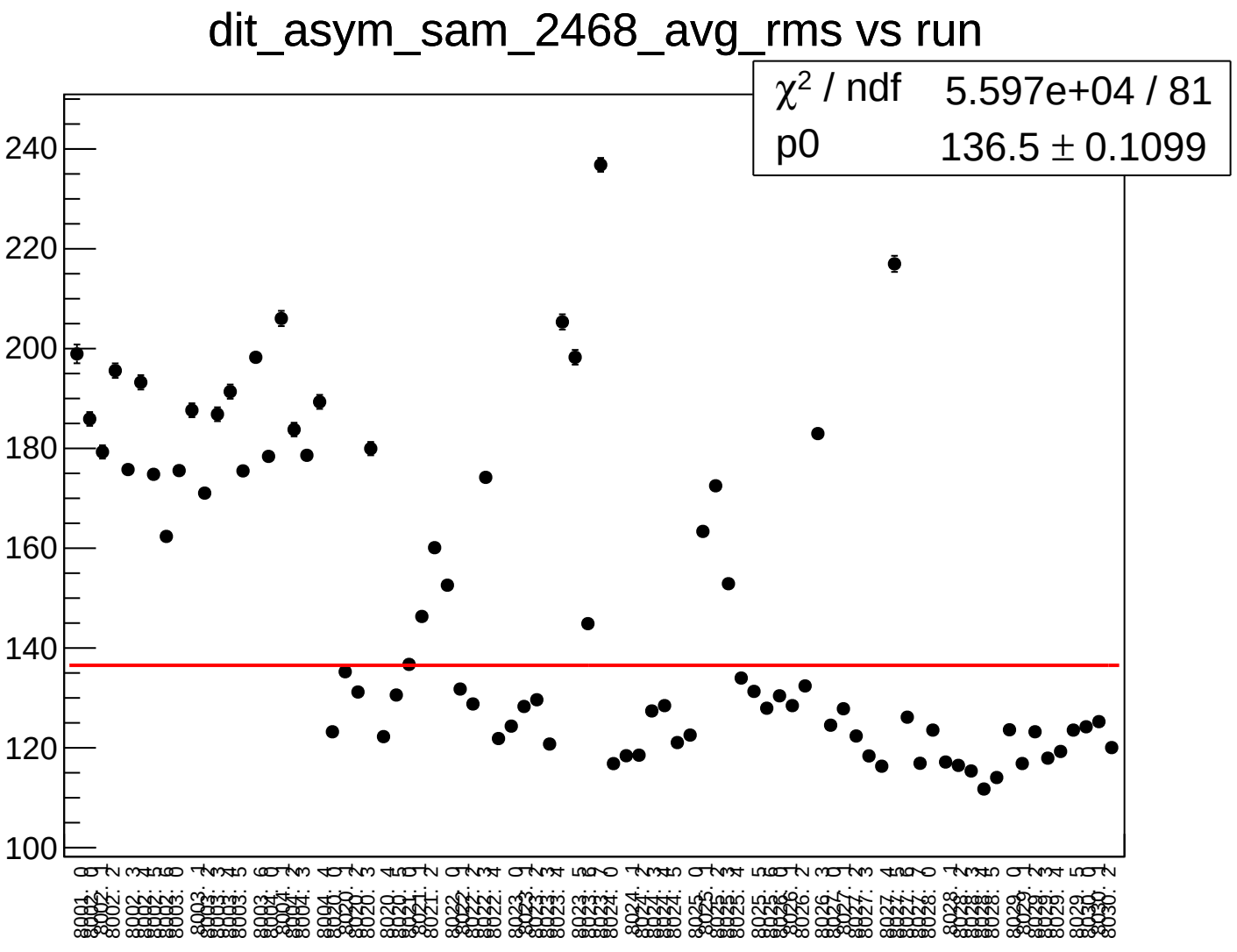

asym_sam_1357_avg_mean vs run
χ² / ndf 70.86 / 81
p0 −226 ± 794
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −206
Std Dev 256.7
2
1
0
−1
−2

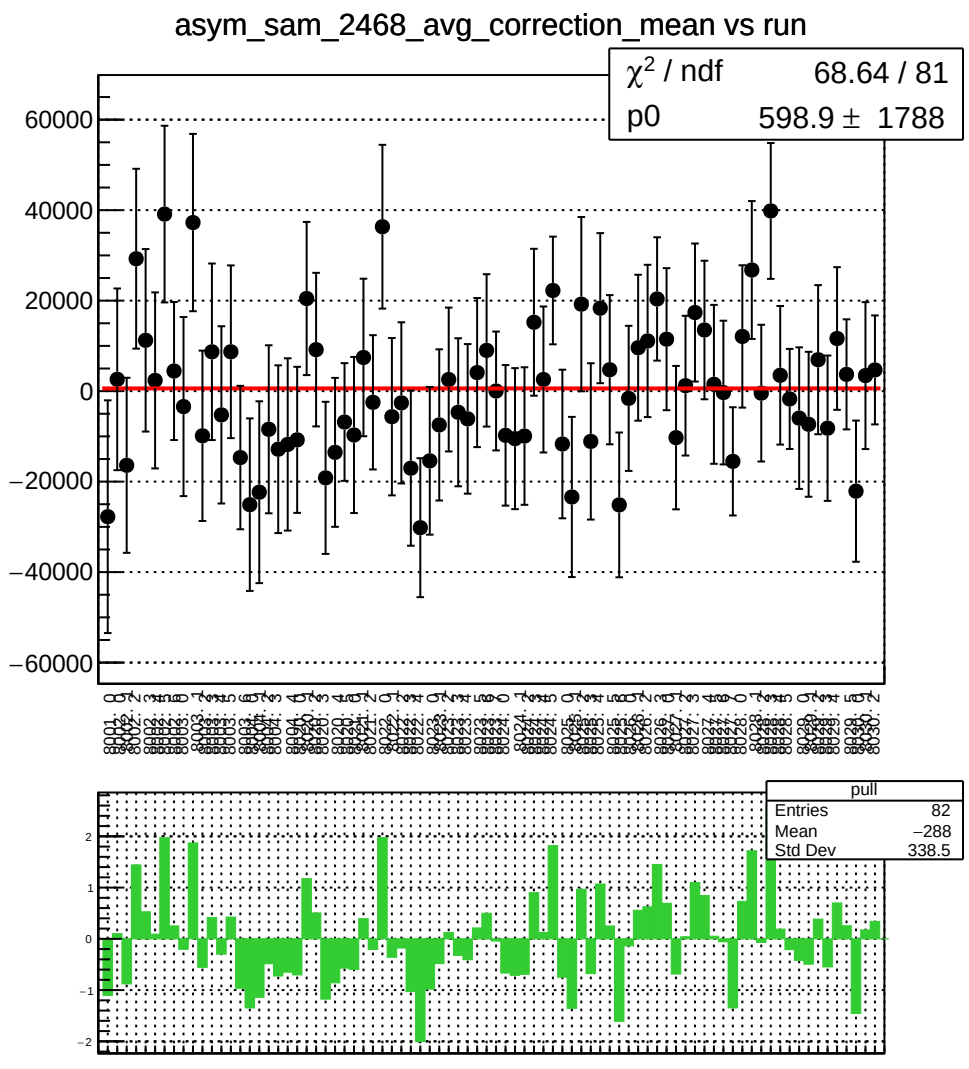

pull1D
Entries 82
Mean 0.007987
Std Dev 0.9296
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

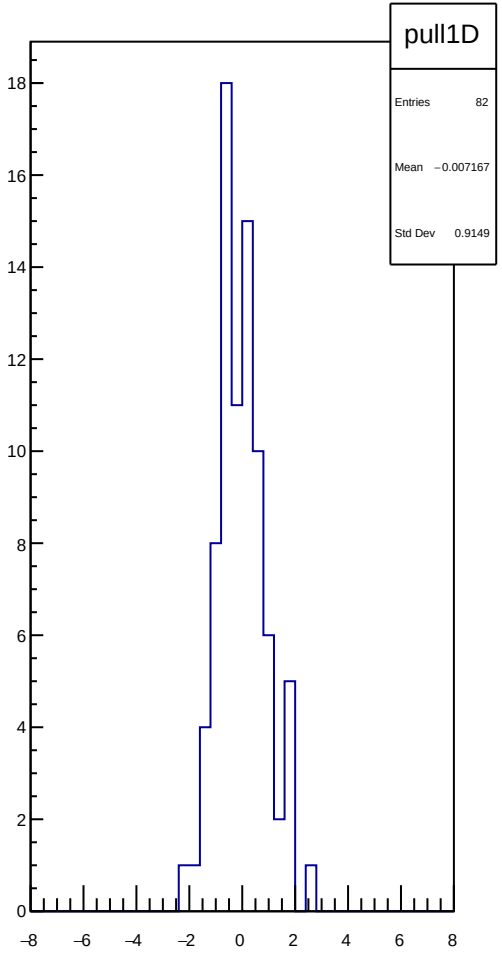

asym_sam_1357_avg_rms vs run
χ² / ndf 1.564e+04 / 81
p0 706.9 ± 0.5614
900
850
800
750
700
650
600

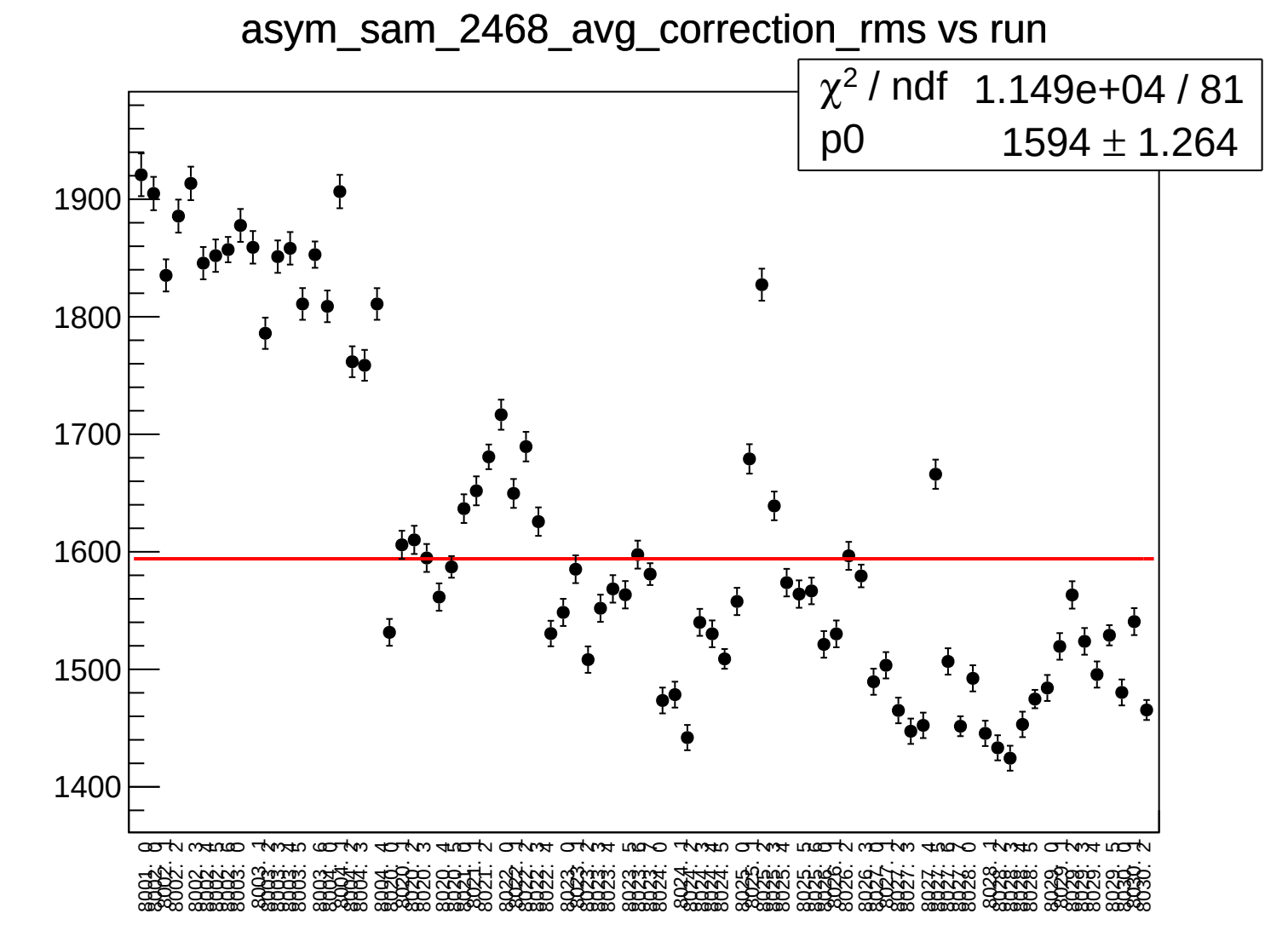

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 68.03 / 81
p0 126.1 ± 155.4
pull
Entries 82
Mean 2445
Std Dev 2397

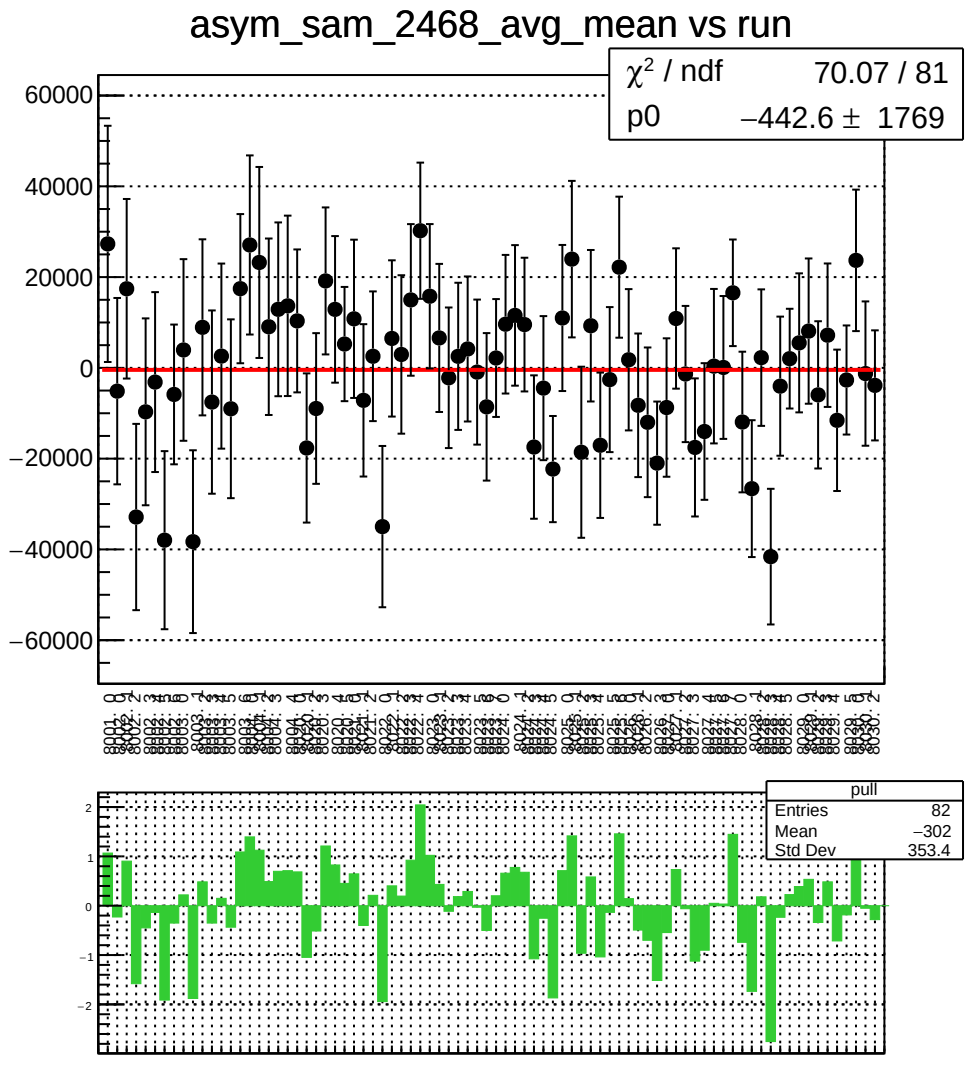

pull1D
Entries 82
Mean 0.001218
Std Dev 0.9108

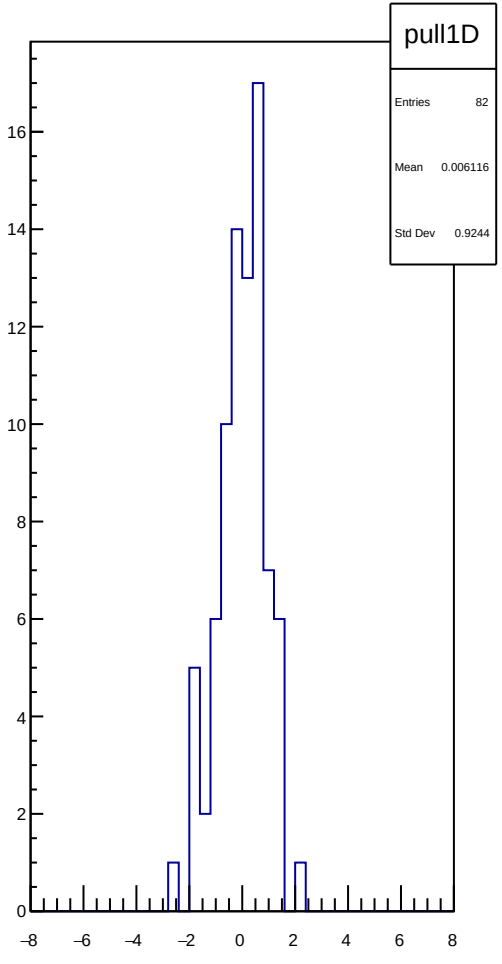

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 5.597e+04 / 81
p0 136.5 ± 0.1099
240
220
200
180
160
140
120
100

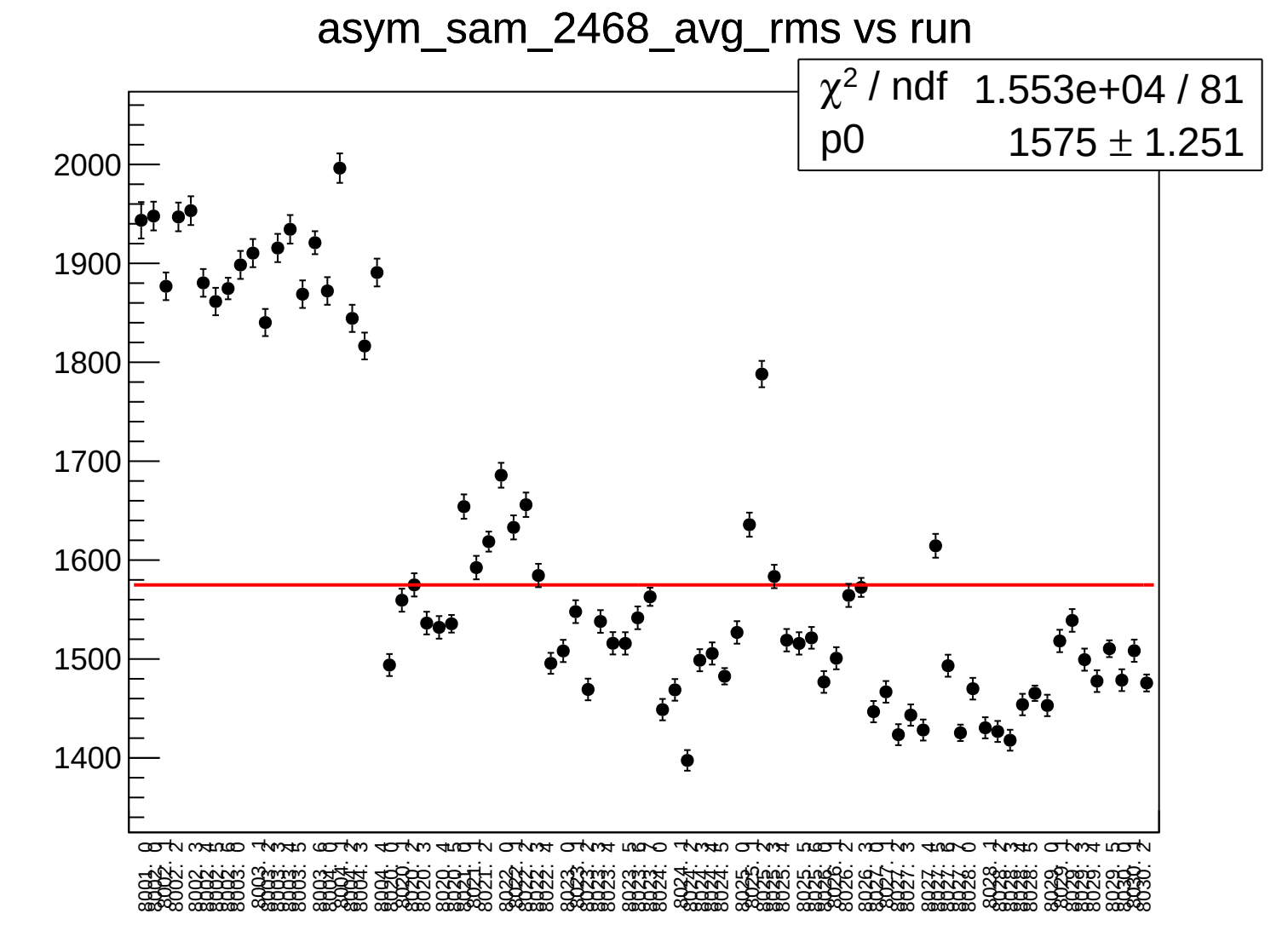

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 68.64 / 81
p0 598.9 ± 1788
pull
Entries 82
Mean −288
Std Dev 338.5

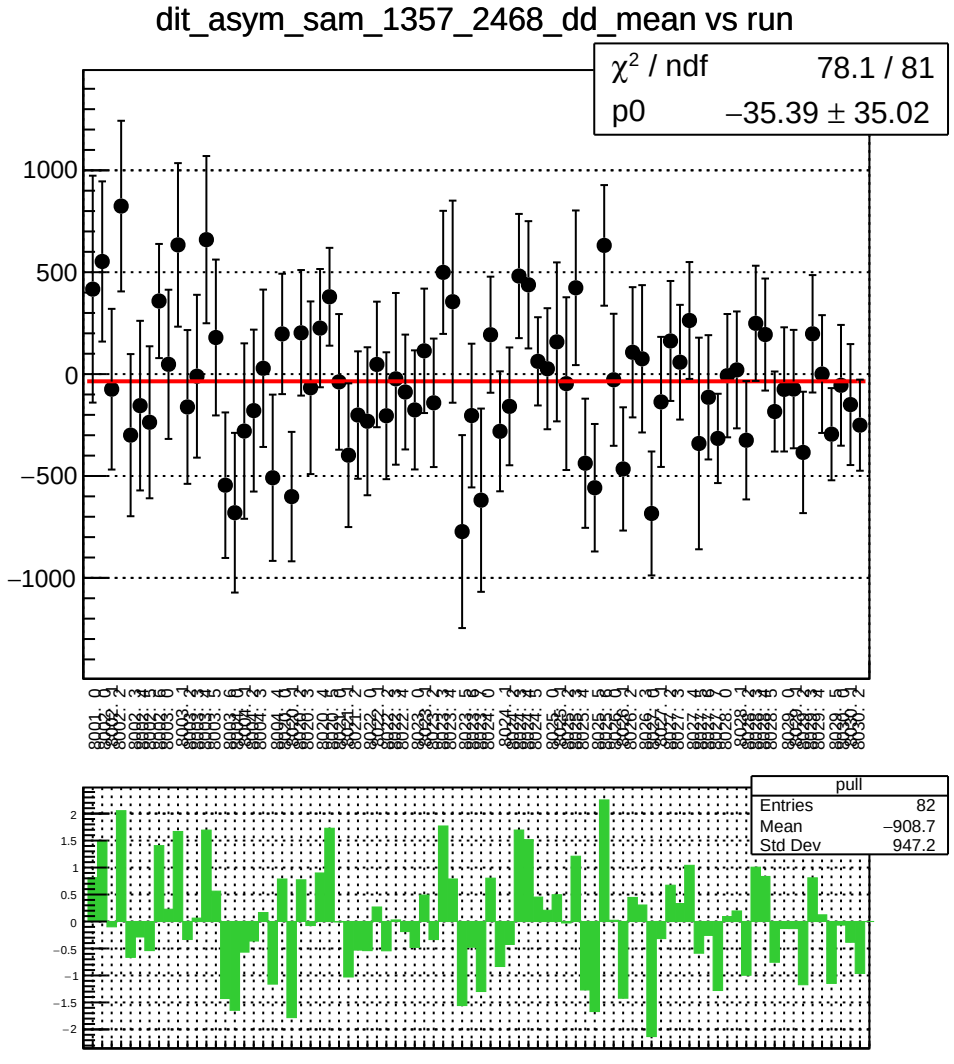

pull1D
Entries 82
Mean −0.007167
Std Dev 0.9149

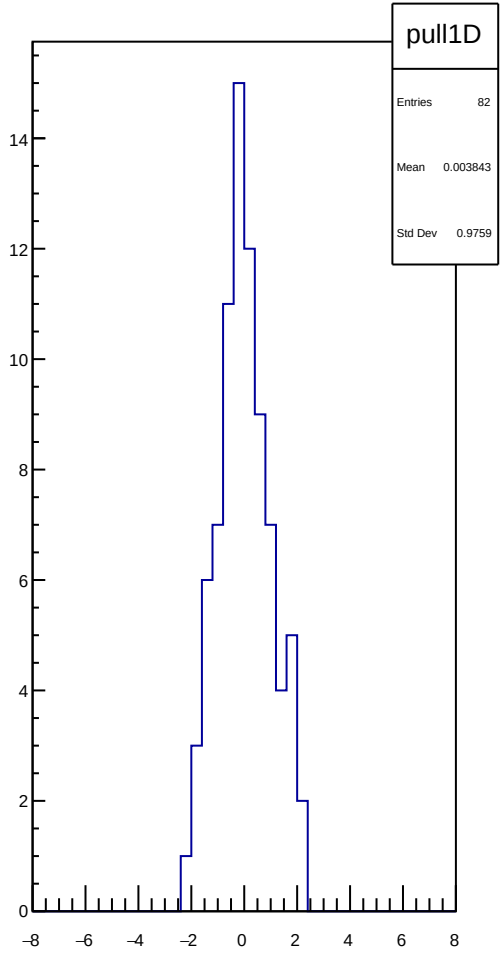

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1.149e+04 / 81
p0 1594 ± 1.264
1900
1800
1700
1600
1500
1400

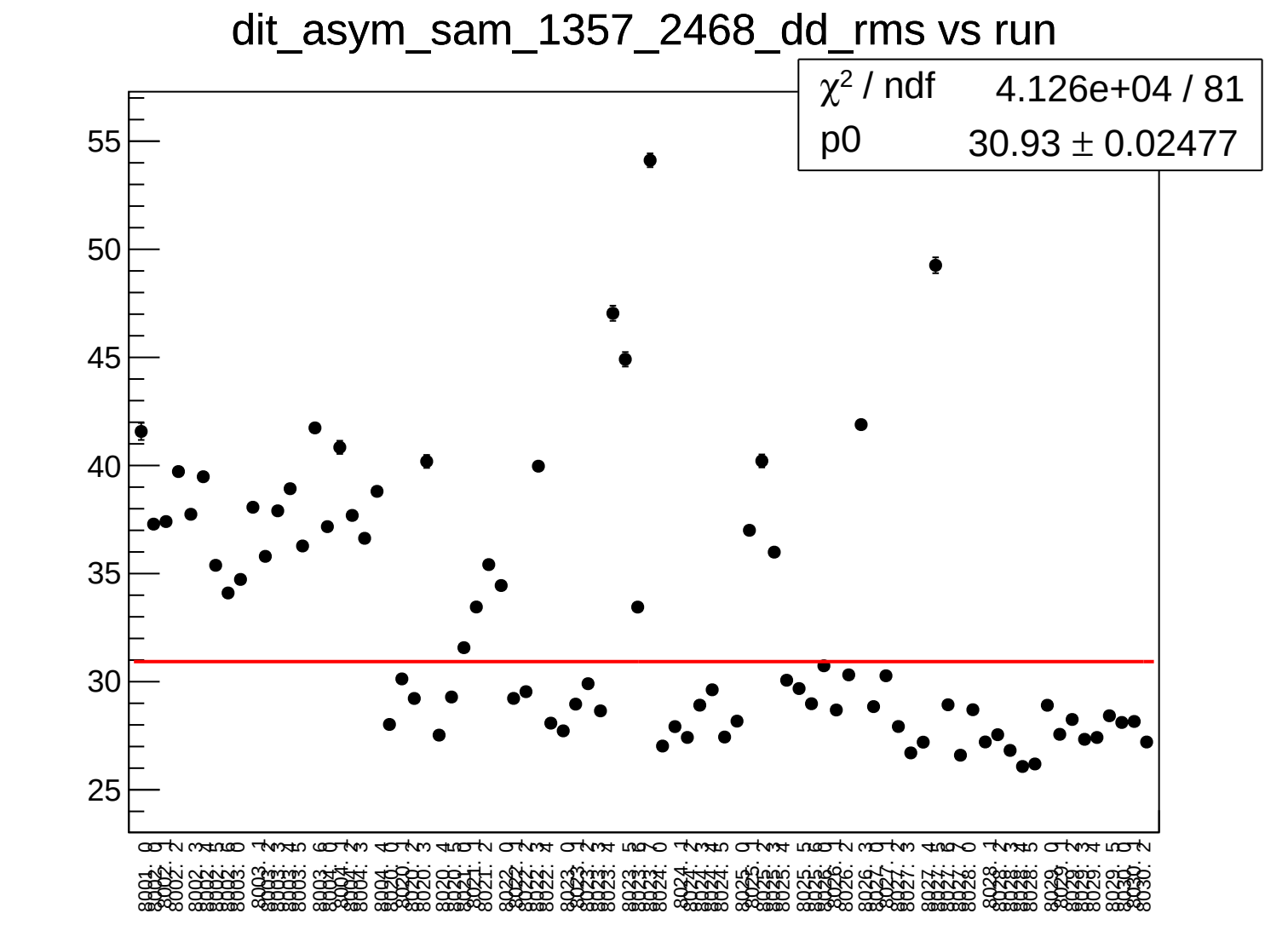

asym_sam_2468_avg_mean vs run
χ² / ndf 70.07 / 81
p0 −442.6 ± 1769
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −302
Std Dev 353.4
2
1
0
−1
−2

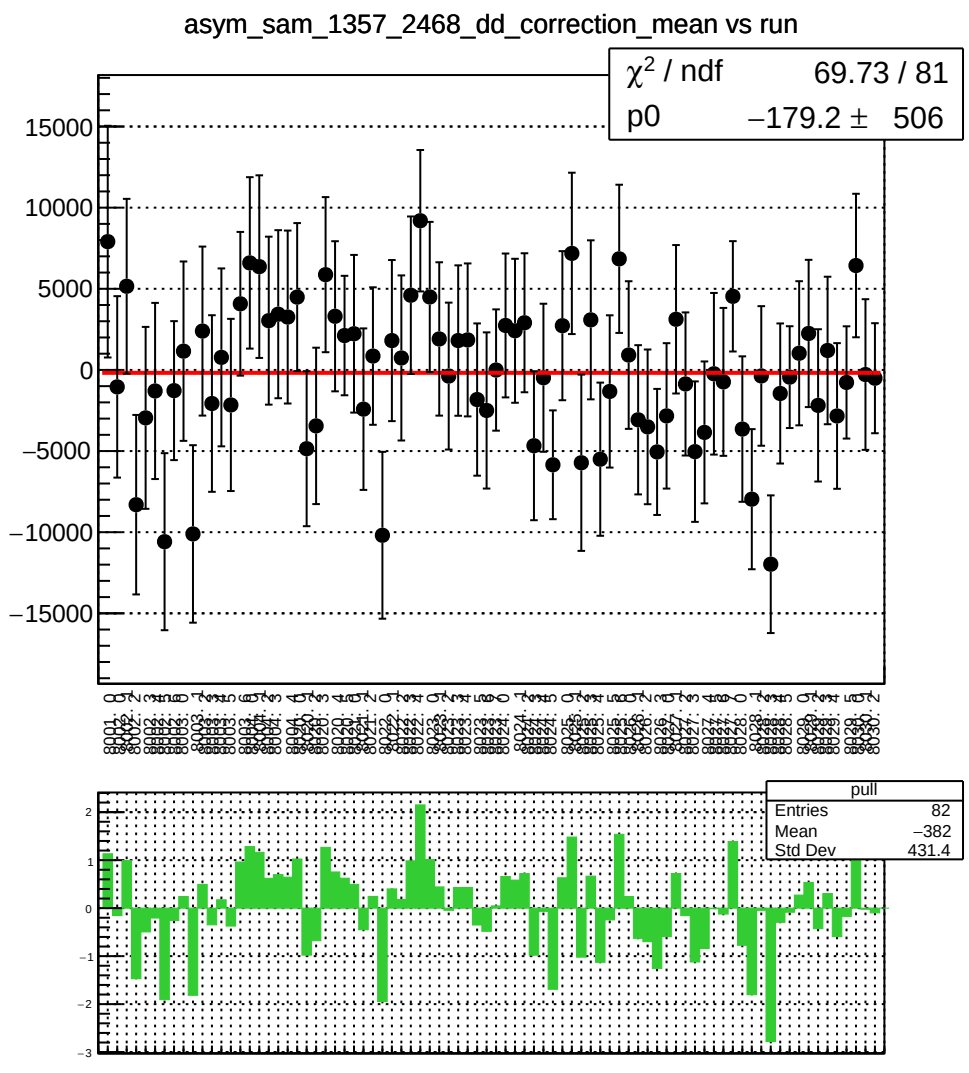

pull1D
Entries 82
Mean 0.006116
Std Dev 0.9244
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

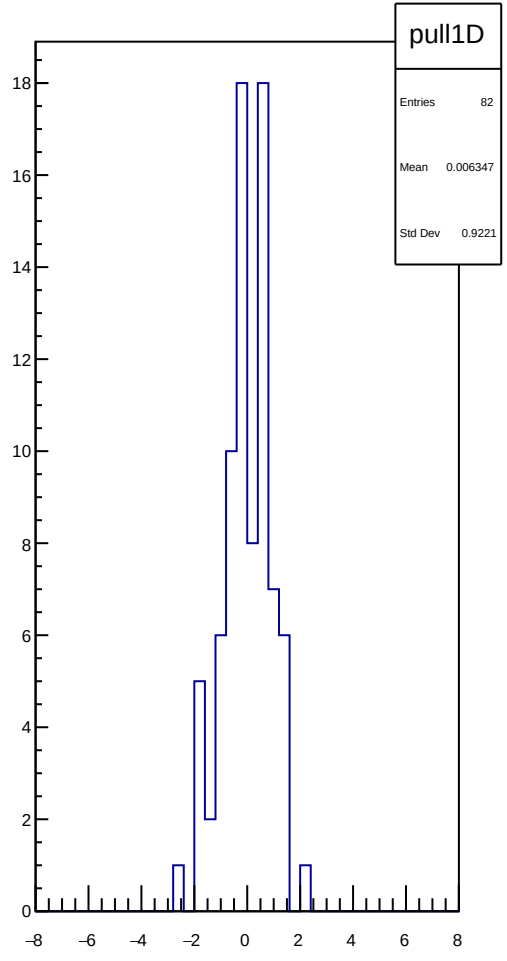

asym_sam_2468_avg_rms vs run
χ² / ndf 1.553e+04 / 81
p0 1575 ± 1.251
2000
1900
1800
1700
1600
1500
1400

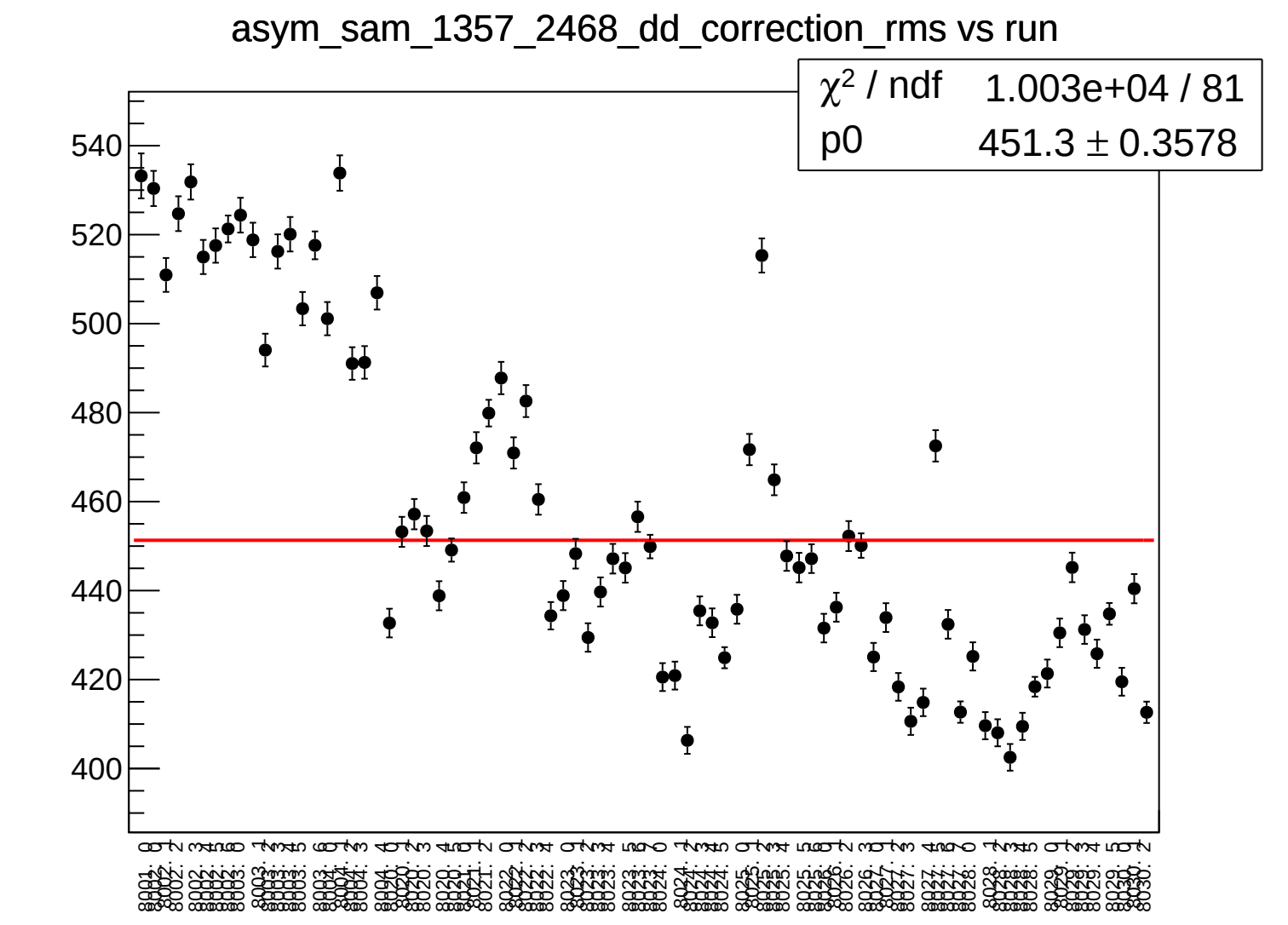

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.1 / 81
p0 −35.39 ± 35.02
1000
500
0
−500
−1000
pull
Entries 82
Mean −908.7
Std Dev 947.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

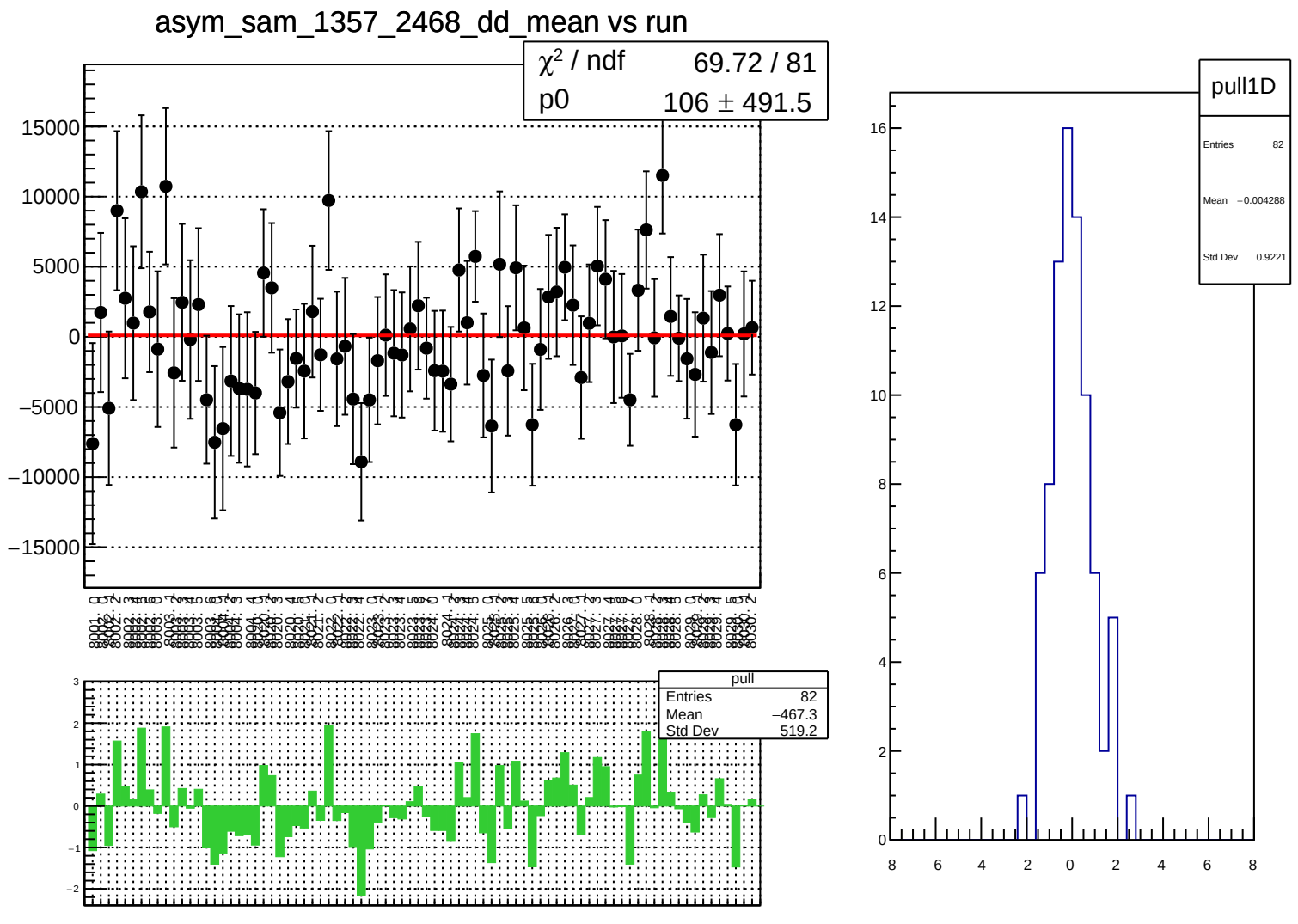

pull1D
Entries 82
Mean 0.003843
Std Dev 0.9759
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

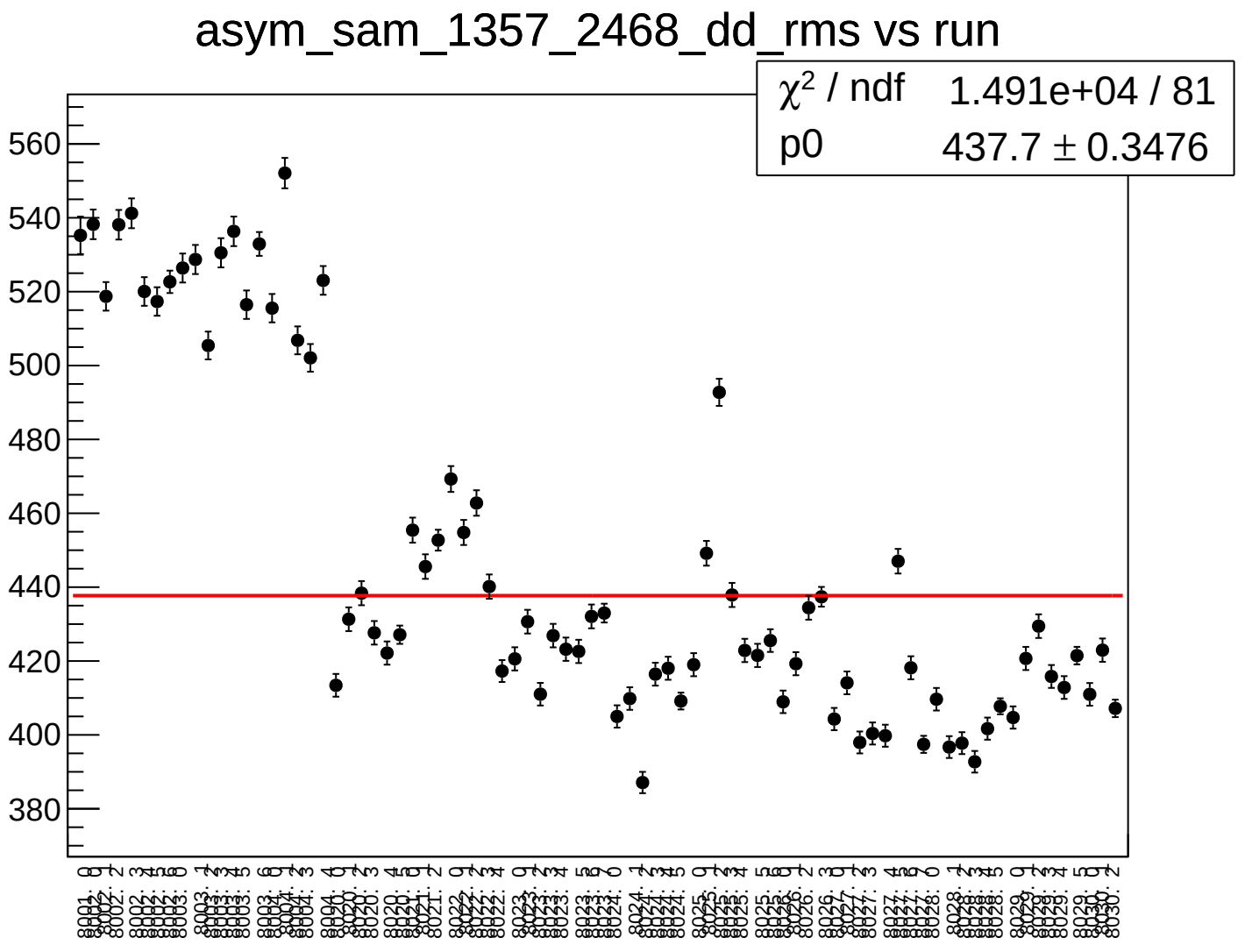

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4.126e+04 / 81
p0 30.93 ± 0.02477
55
50
45
40
35
30
25

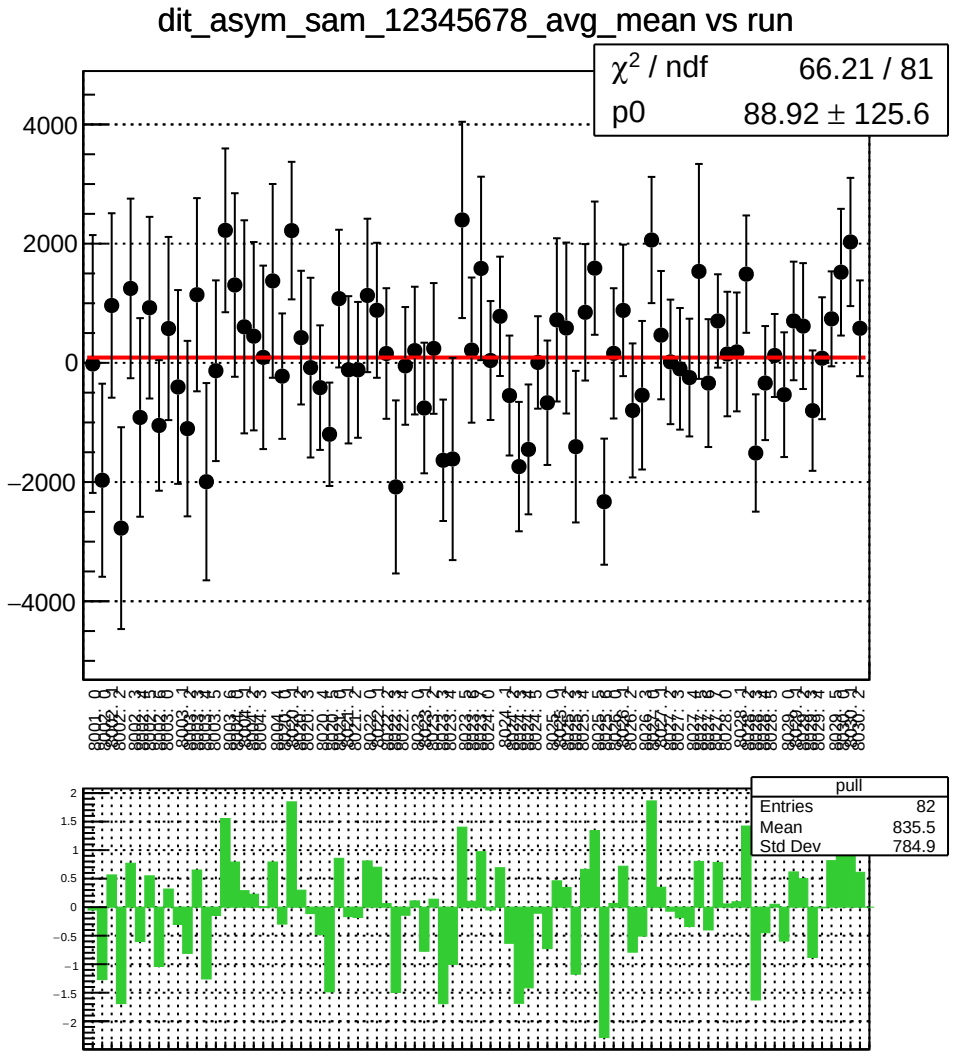

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 69.73 / 81
p0 −179.2 ± 506
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −382
Std Dev 431.4
2
1
0
−1
−2
−3

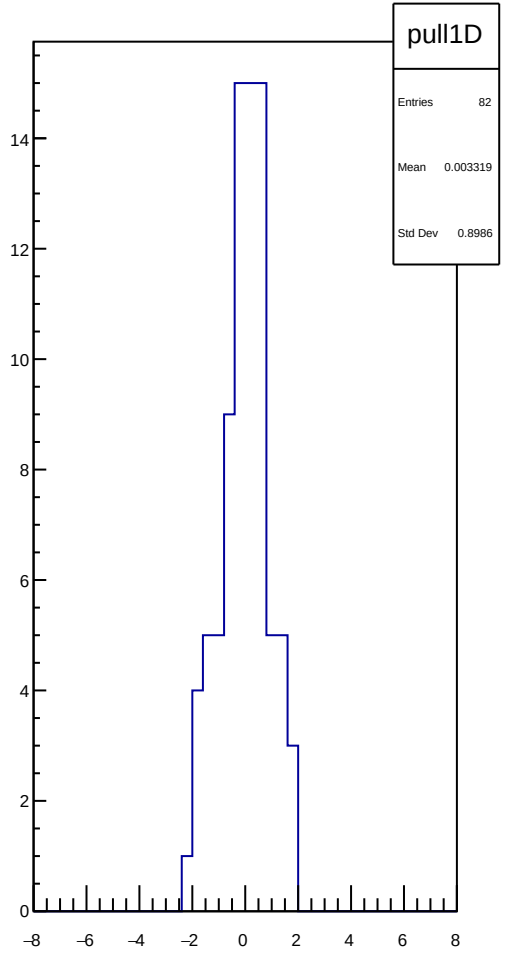

pull1D
Entries 82
Mean 0.006347
Std Dev 0.9221
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

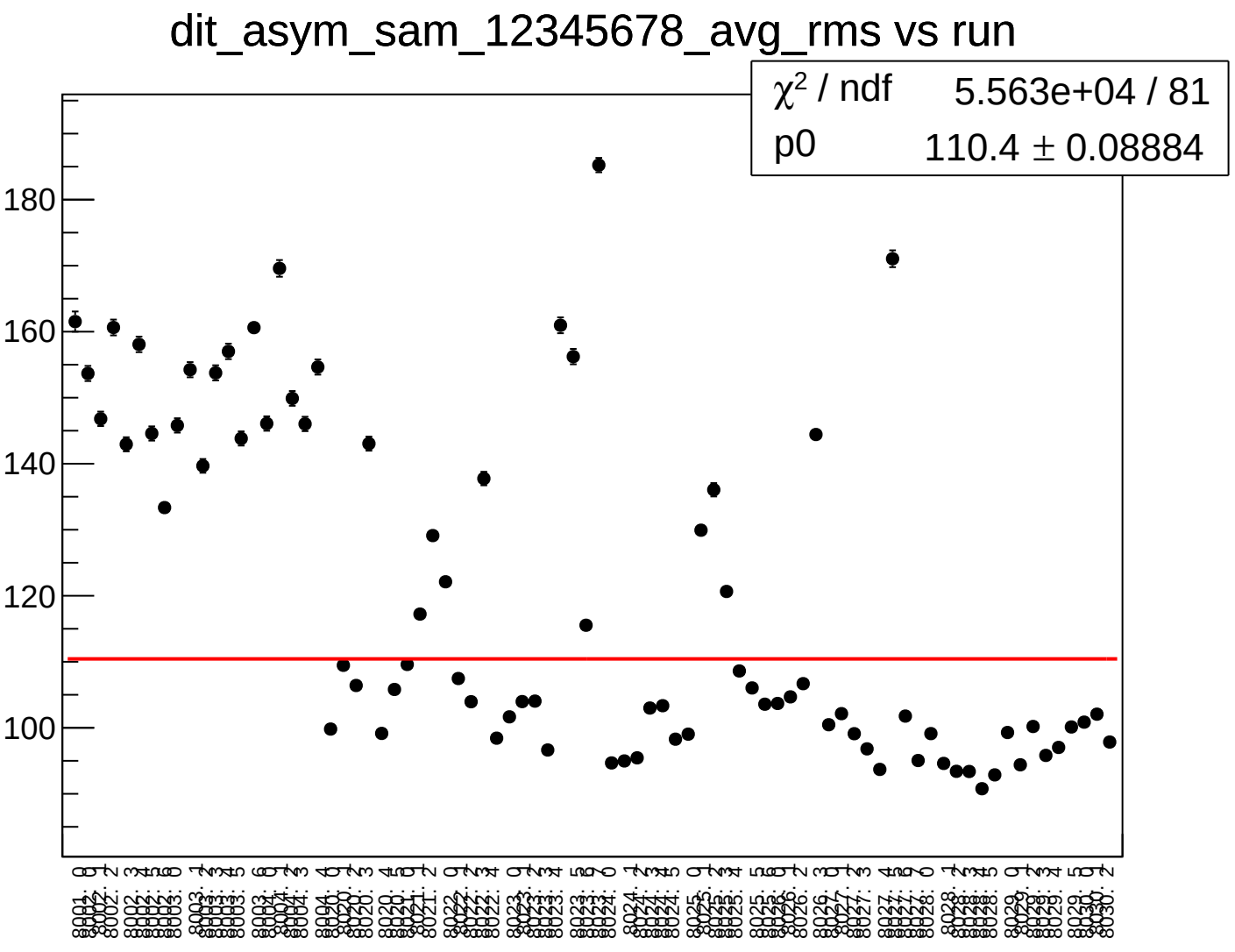

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.003e+04 / 81
p0 451.3 ± 0.3578
540
520
500
480
460
440
420
400

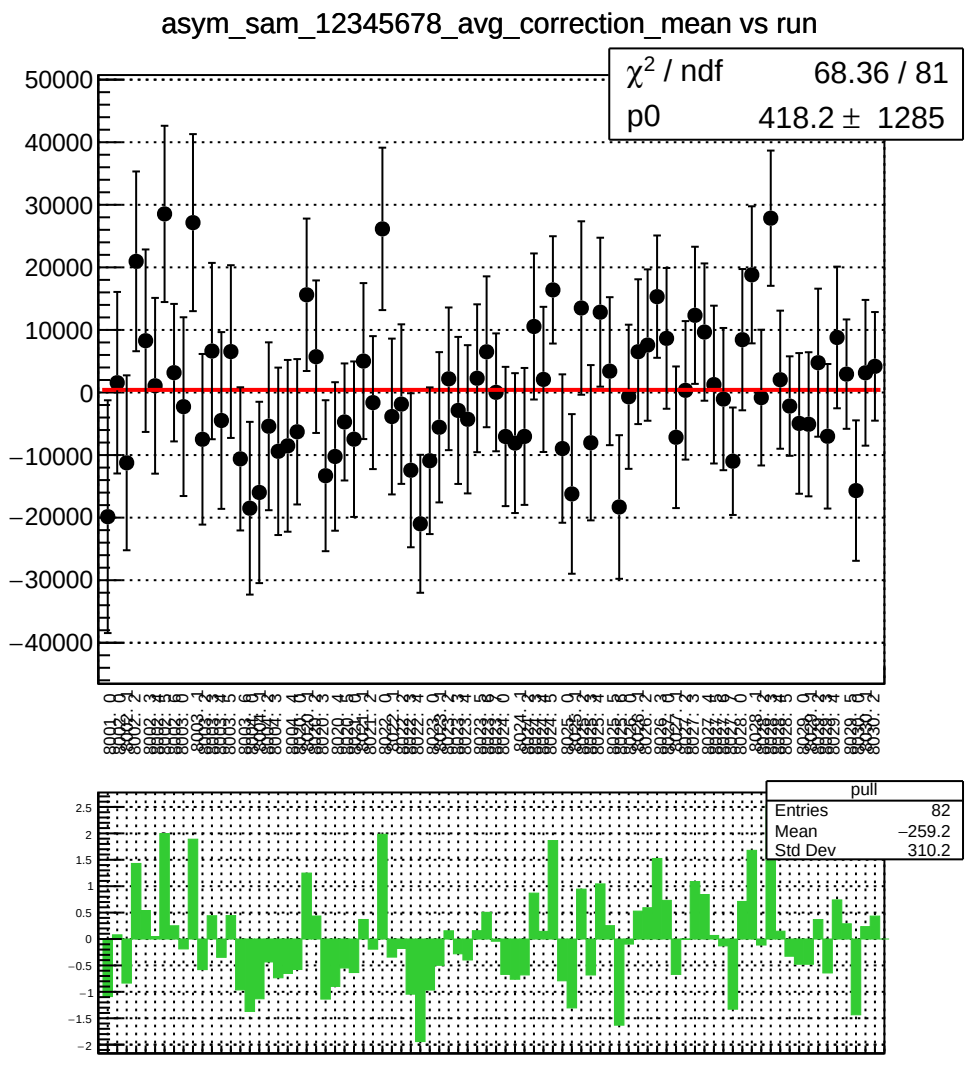

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 69.72 / 81
p0 106 ± 491.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −467.3
Std Dev 519.2
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.004288
Std Dev 0.9221
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

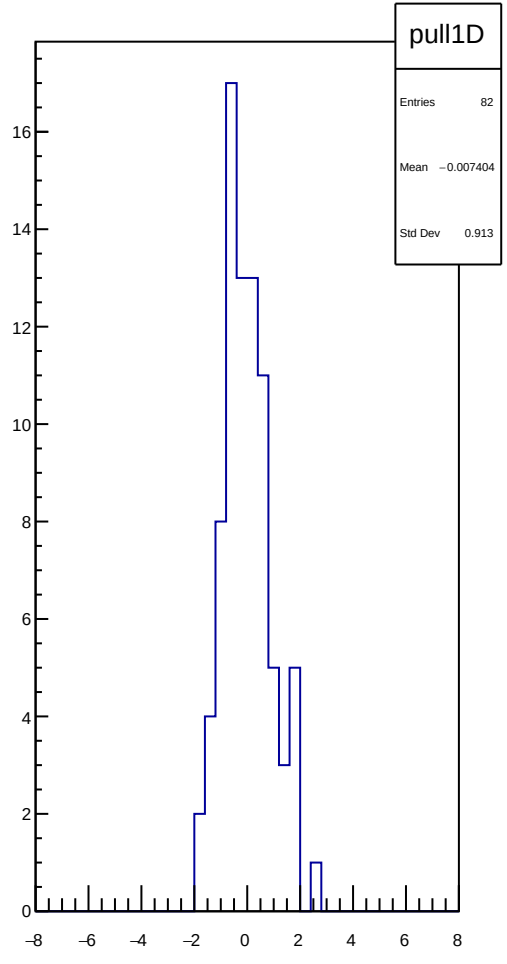

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.491e+04 / 81
p0 437.7 ± 0.3476
560
540
520
500
480
460
440
420
400
380

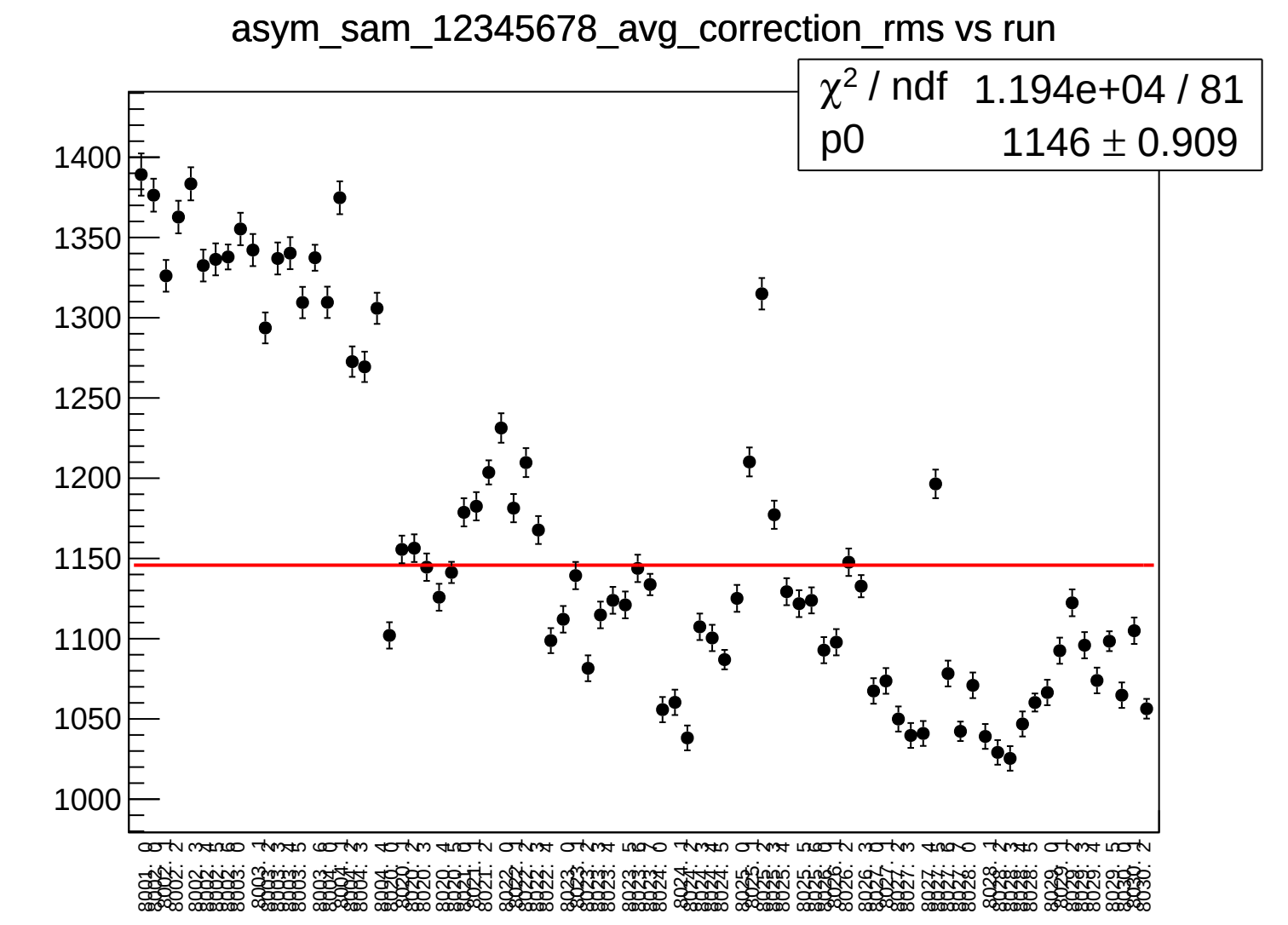

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 66.21 / 81
p0 88.92 ± 125.6
4000
2000
0
−2000
−4000
pull
Entries 82
Mean 835.5
Std Dev 784.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

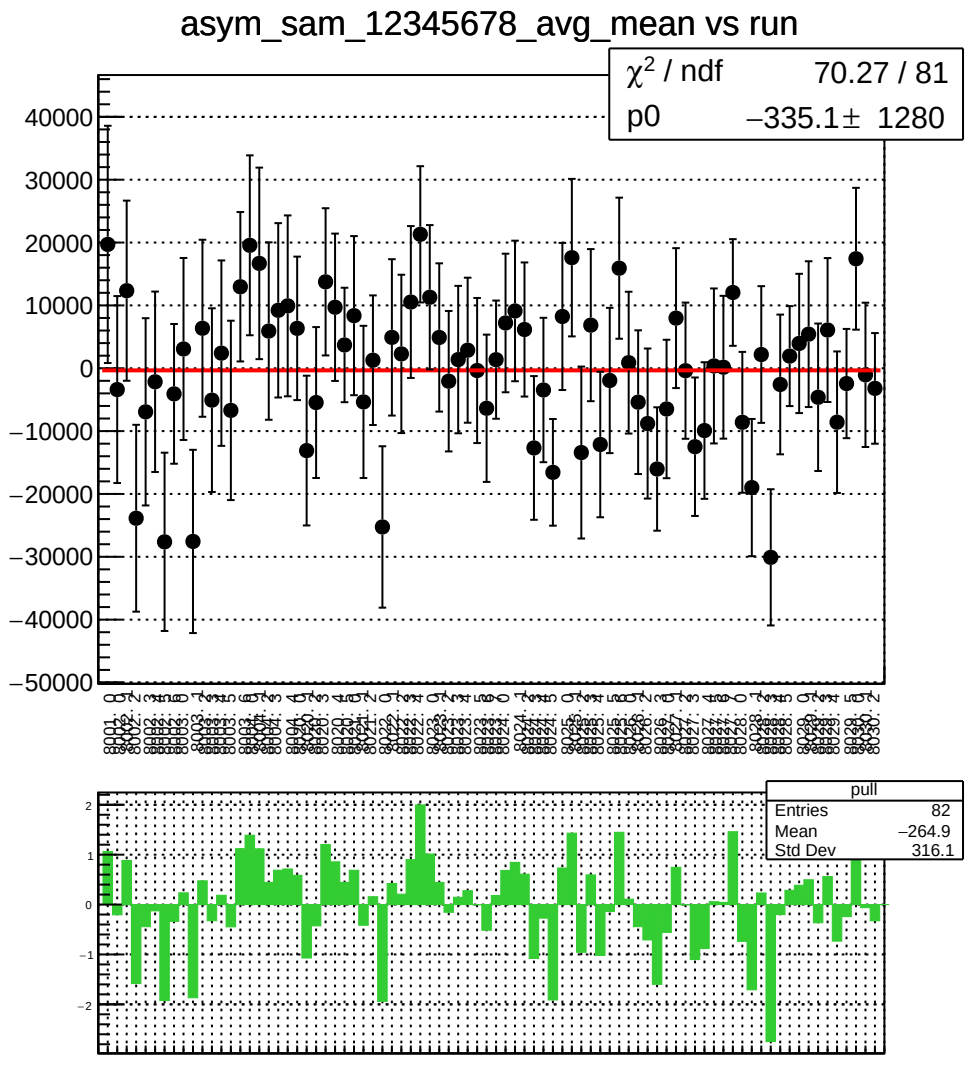

pull1D
Entries 82
Mean 0.003319
Std Dev 0.8986
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

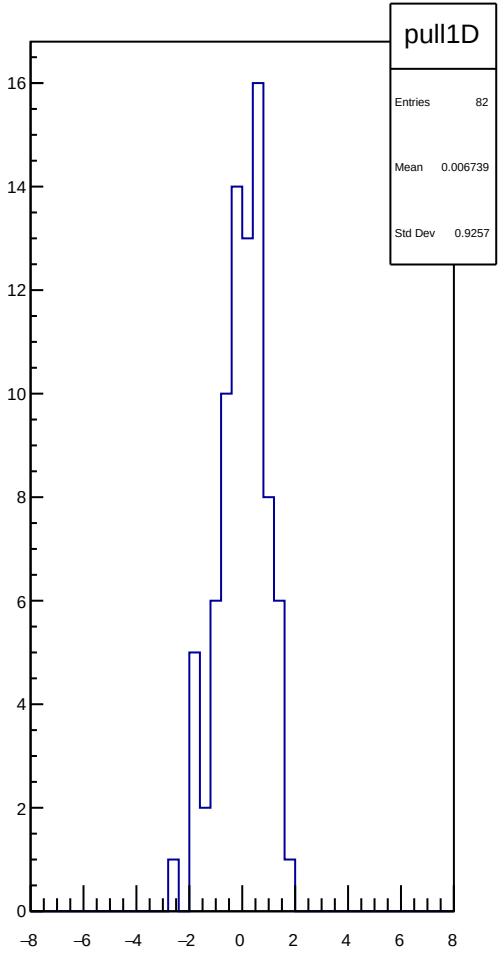

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 5.563e+04 / 81
p0 110.4 ± 0.08884
180
160
140
120
100

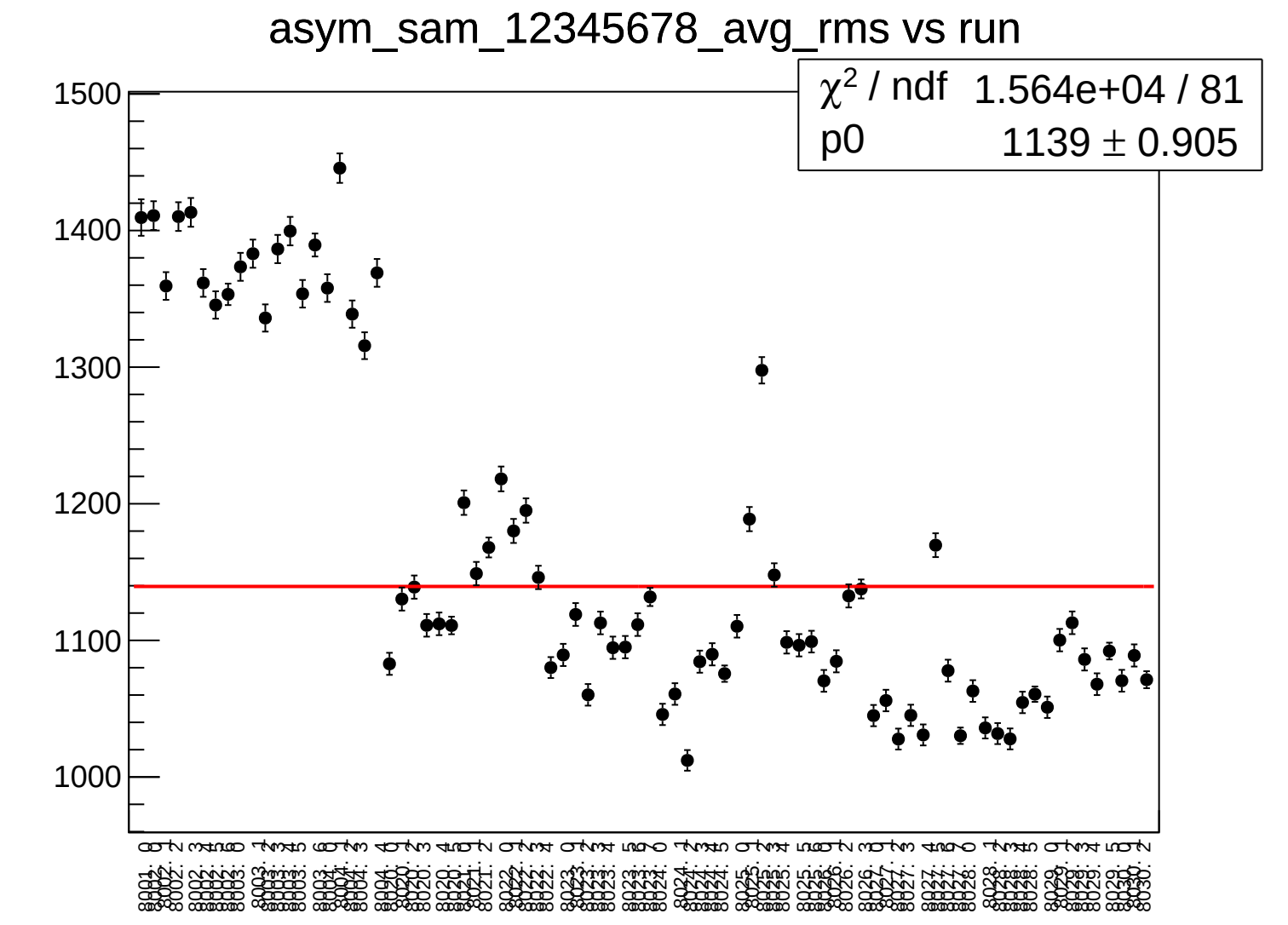

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 68.36 / 81
p0 418.2 ± 1285
pull
Entries 82
Mean −259.2
Std Dev 310.2

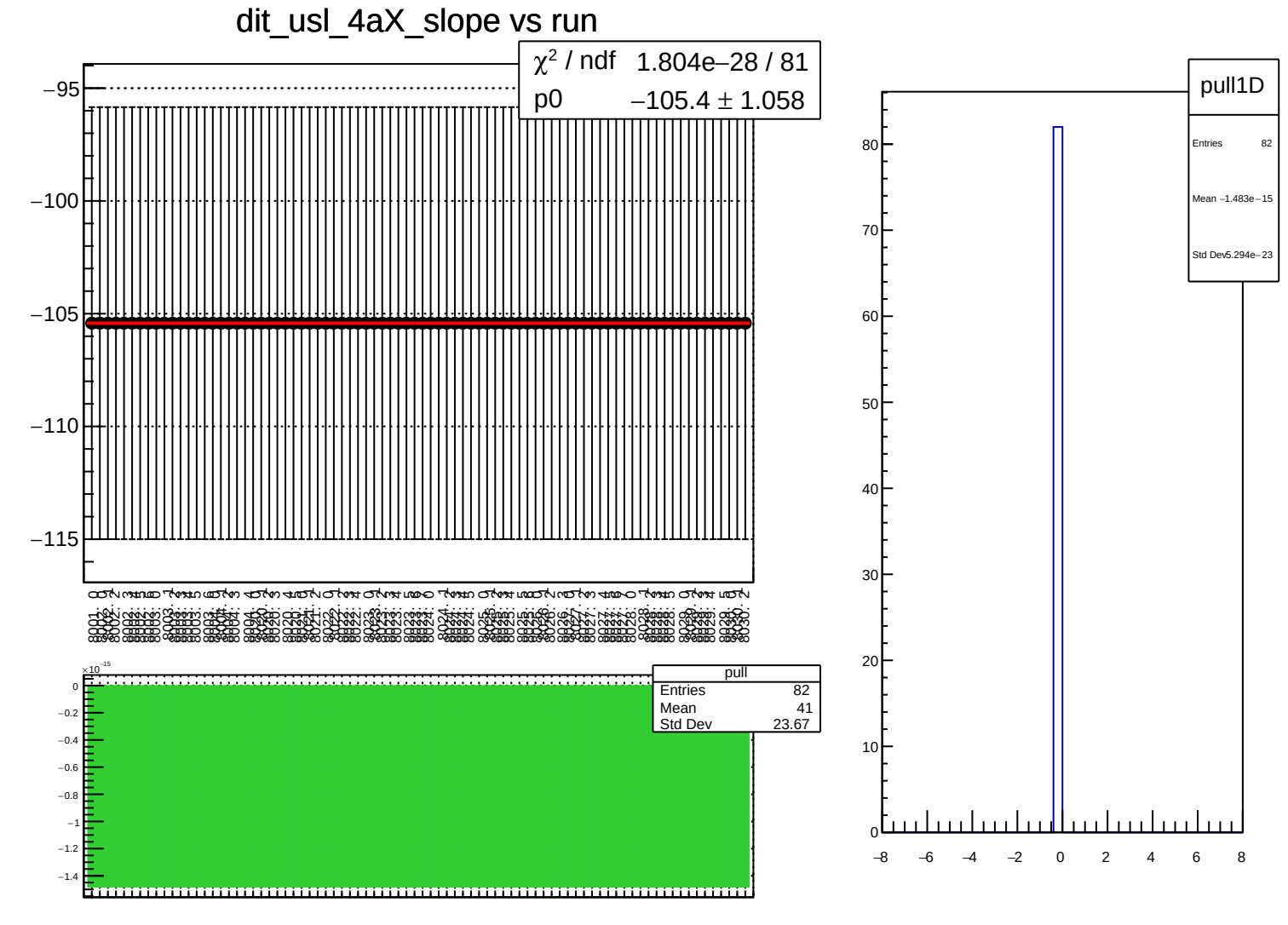

pull1D
Entries 82
Mean −0.007404
Std Dev 0.913

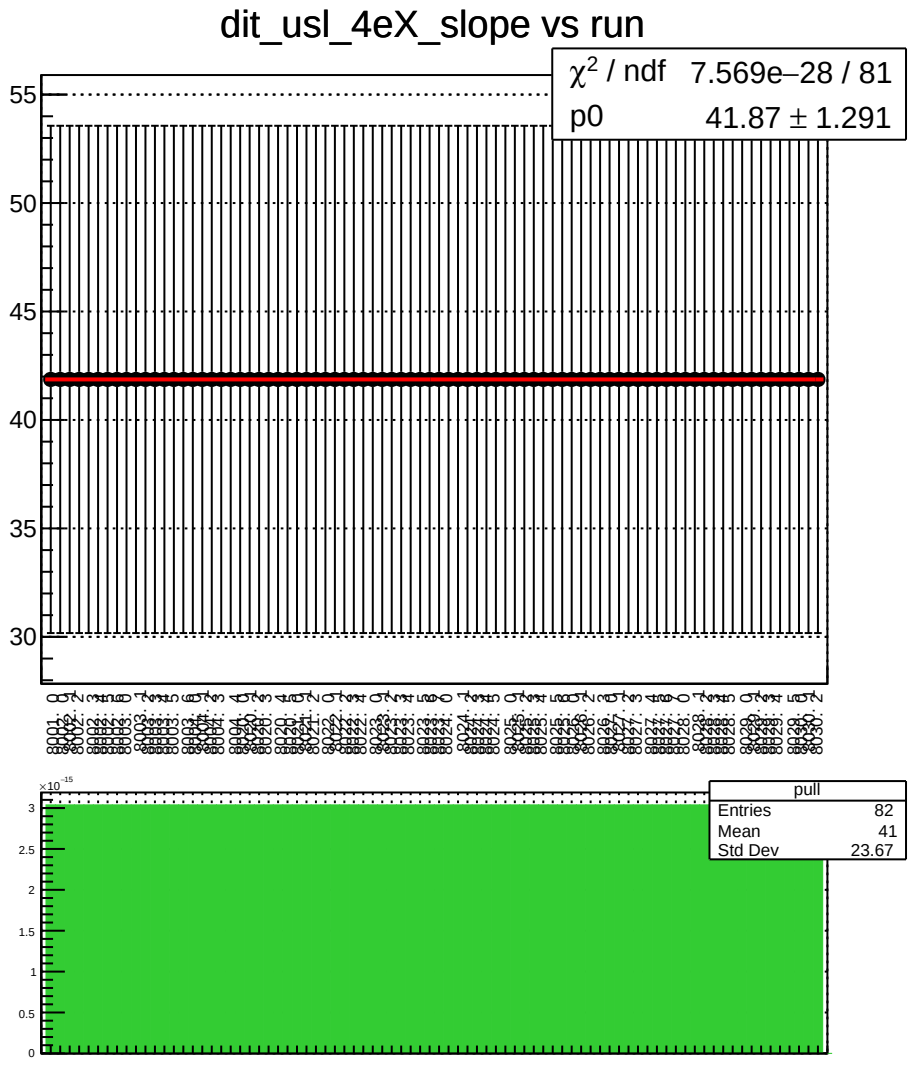

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1.194e+04 / 81
p0 1146 ± 0.909
1400
1350
1300
1250
1200
1150
1100
1050
1000

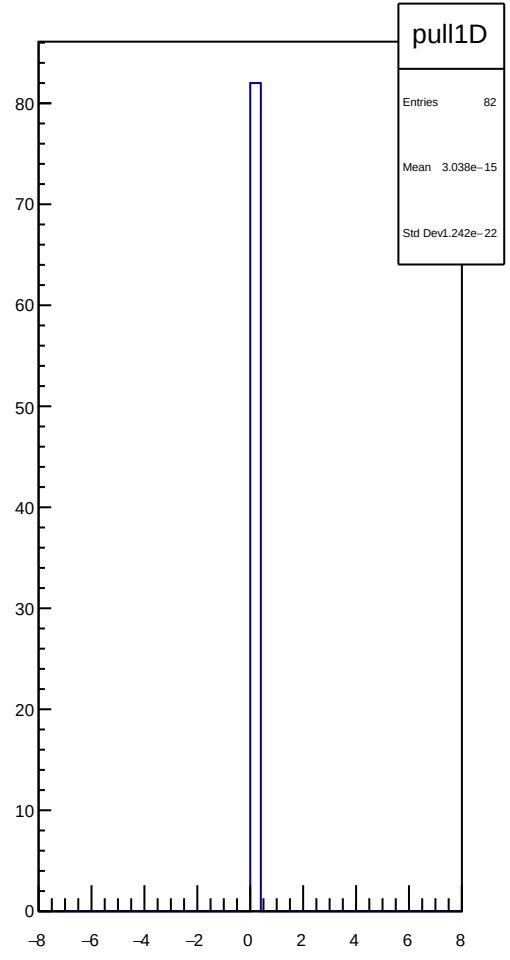

asym_sam_12345678_avg_mean vs run
χ² / ndf 70.27 / 81
p0 −335.1± 1280
pull
Entries 82
Mean −264.9
Std Dev 316.1

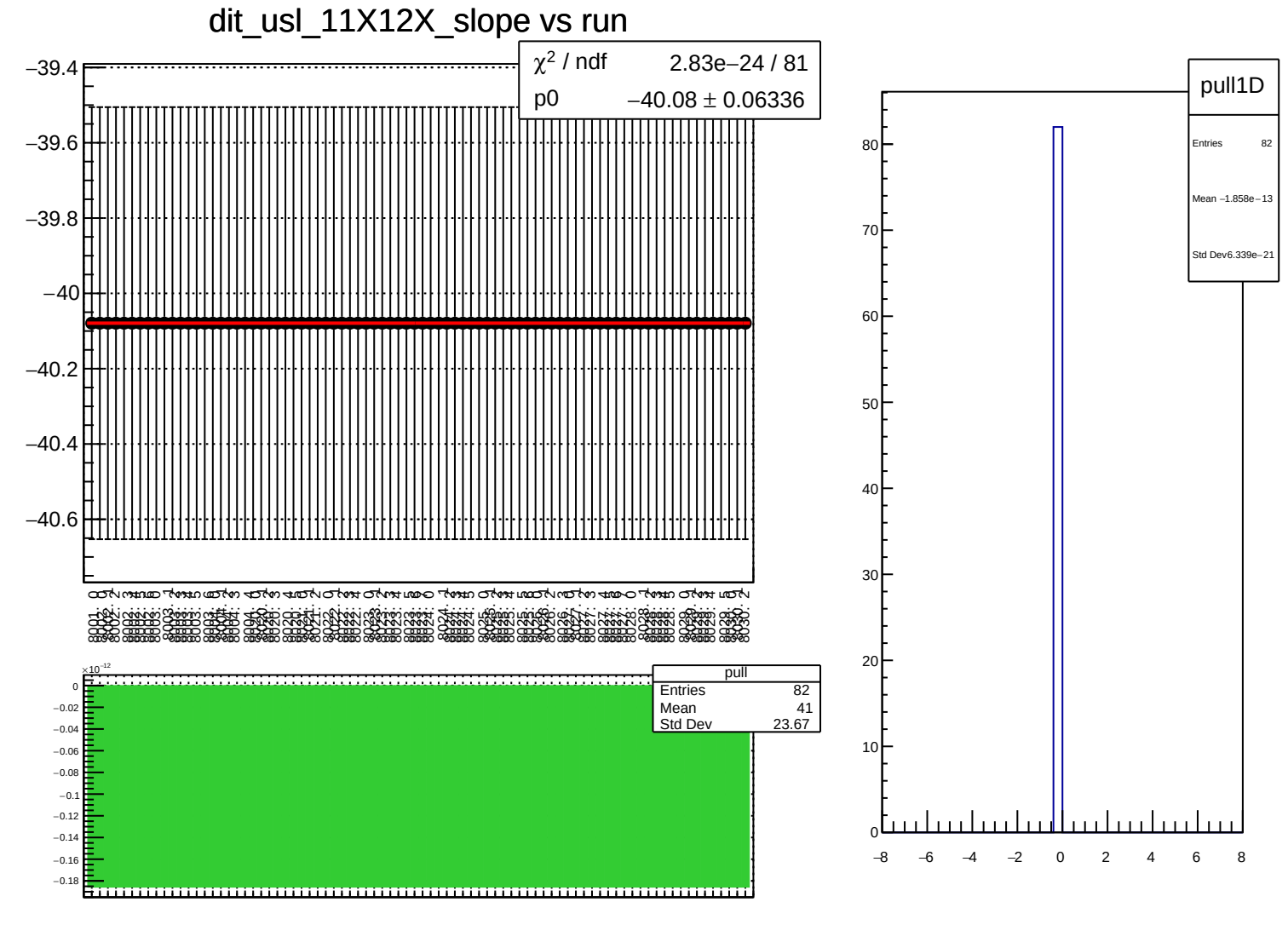

pull1D
Entries 82
Mean 0.006739
Std Dev 0.9257

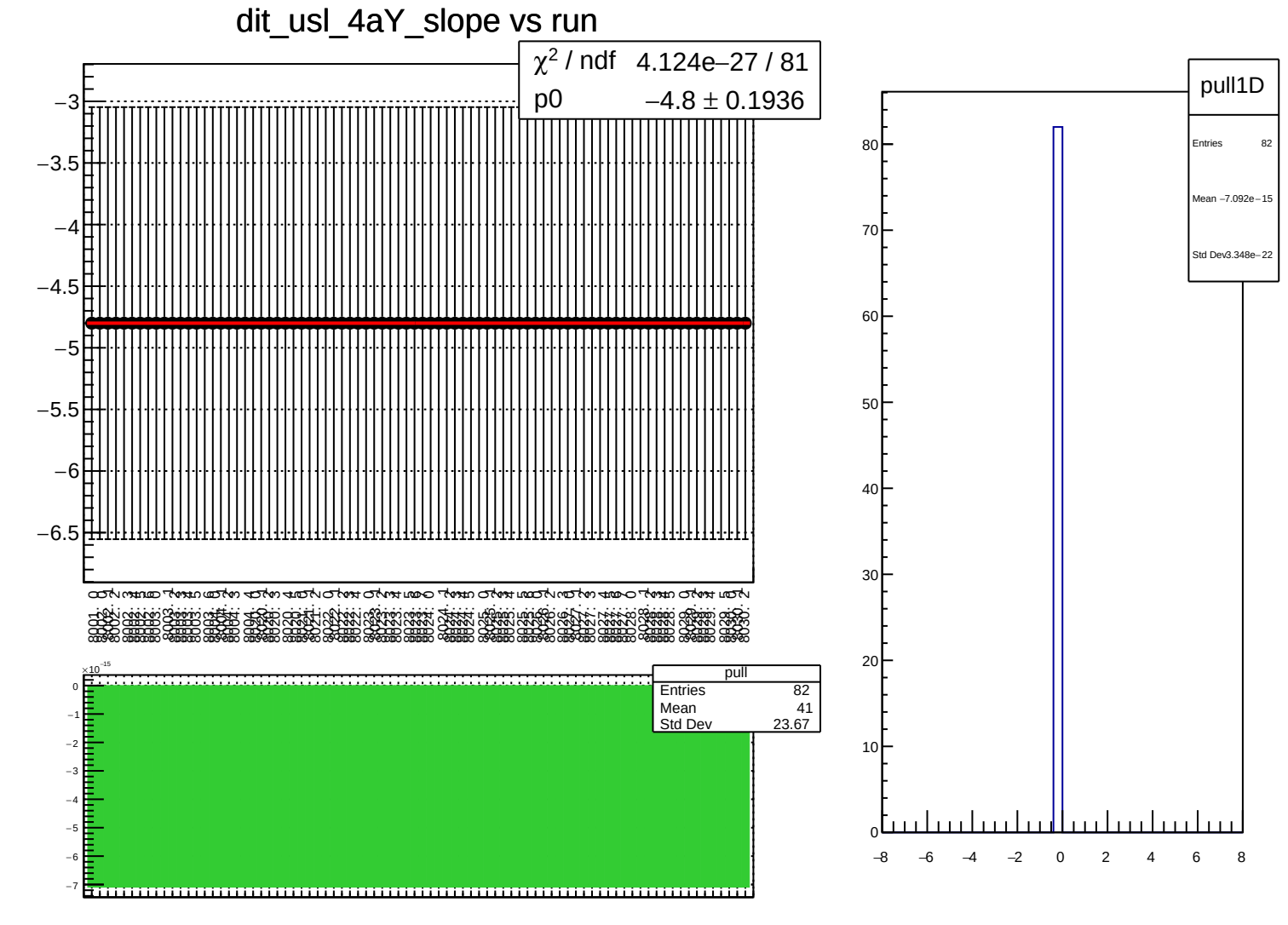

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.564e+04 / 81
p0 1139 ± 0.905
1500
1400
1300
1200
1100
1000

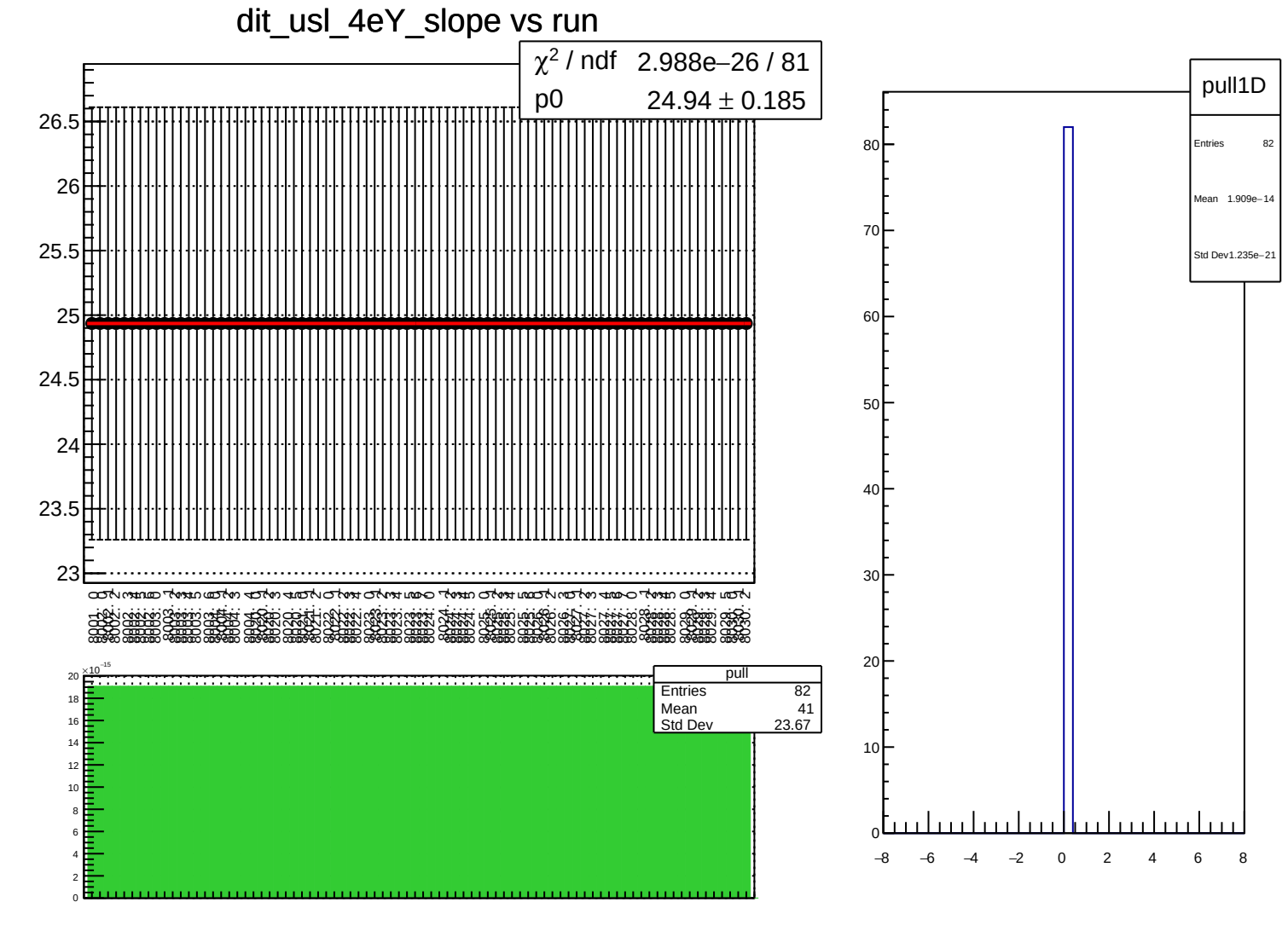

dit_usl_4aX_slope vs run
χ² / ndf 1.804e−28 / 81
p0 −105.4 ± 1.058
−95
−100
−105
−110
−115
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 82
Mean −1.483e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

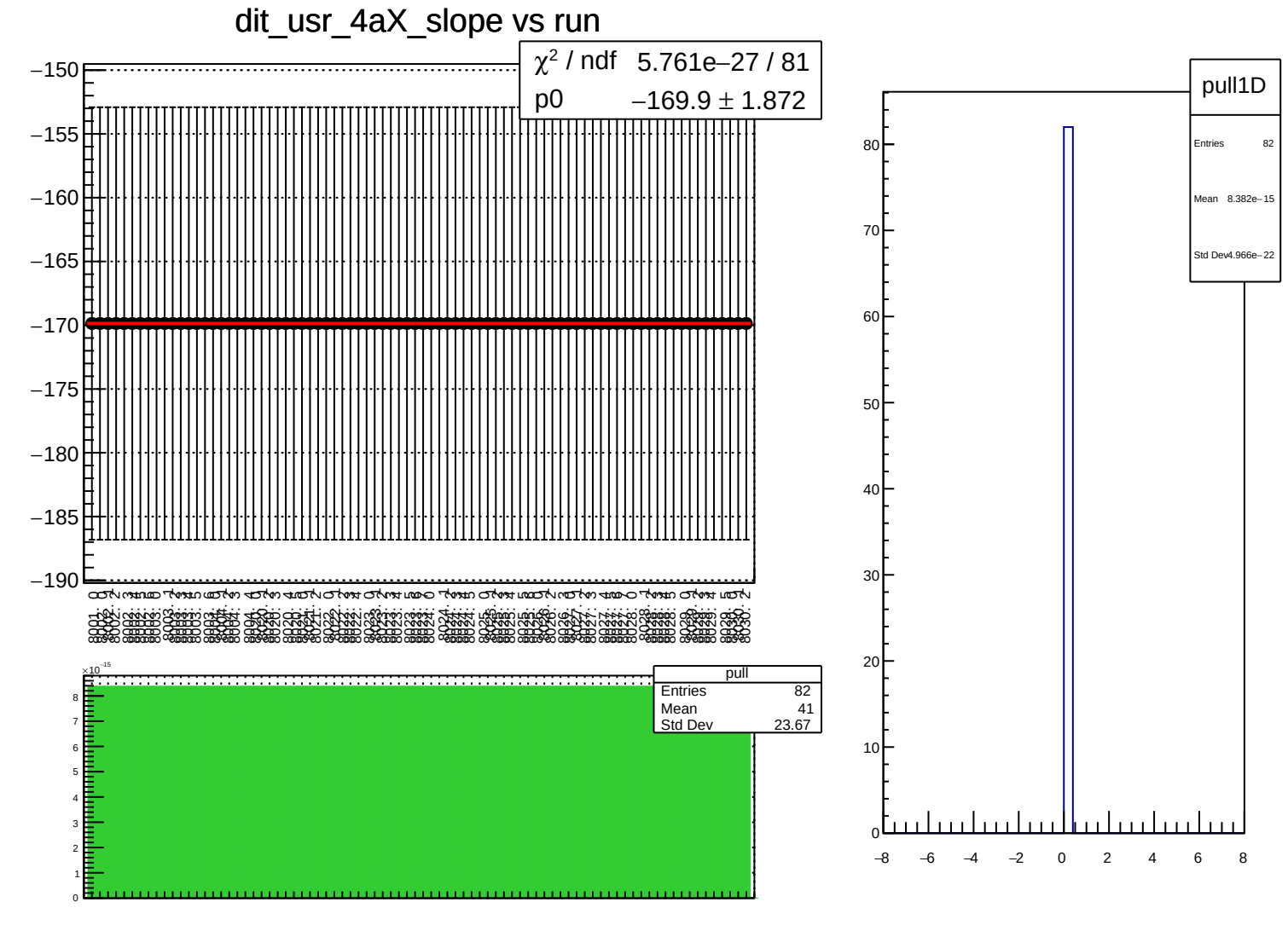

dit_usl_4eX_slope vs run
χ^2 / ndf 7.569e−28 / 81
p0 41.87 ± 1.291
pull
Entries 82
Mean 41
Std Dev 23.67

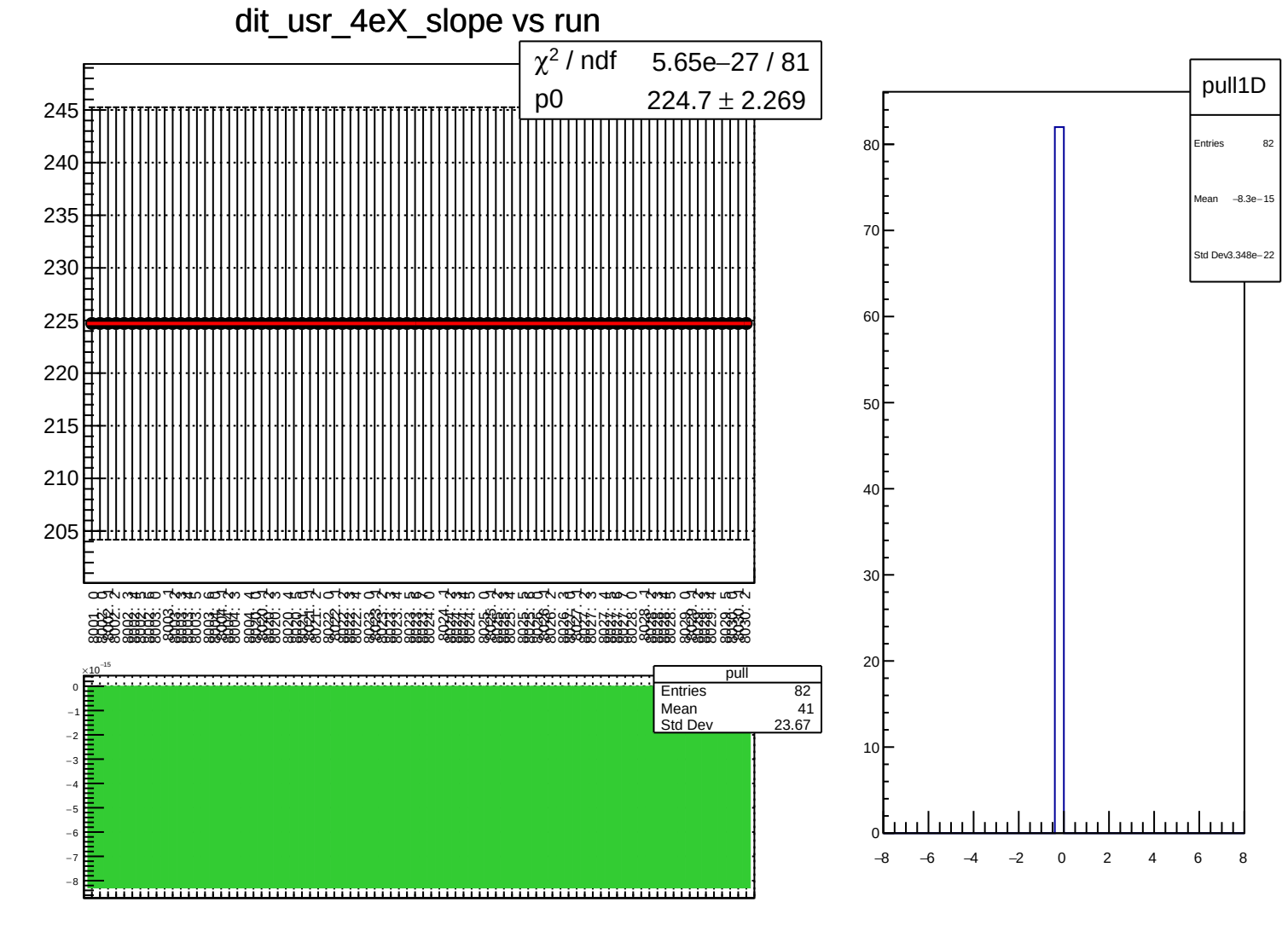

pull1D
Entries 82
Mean 3.038e−15
Std Dev1.242e−22

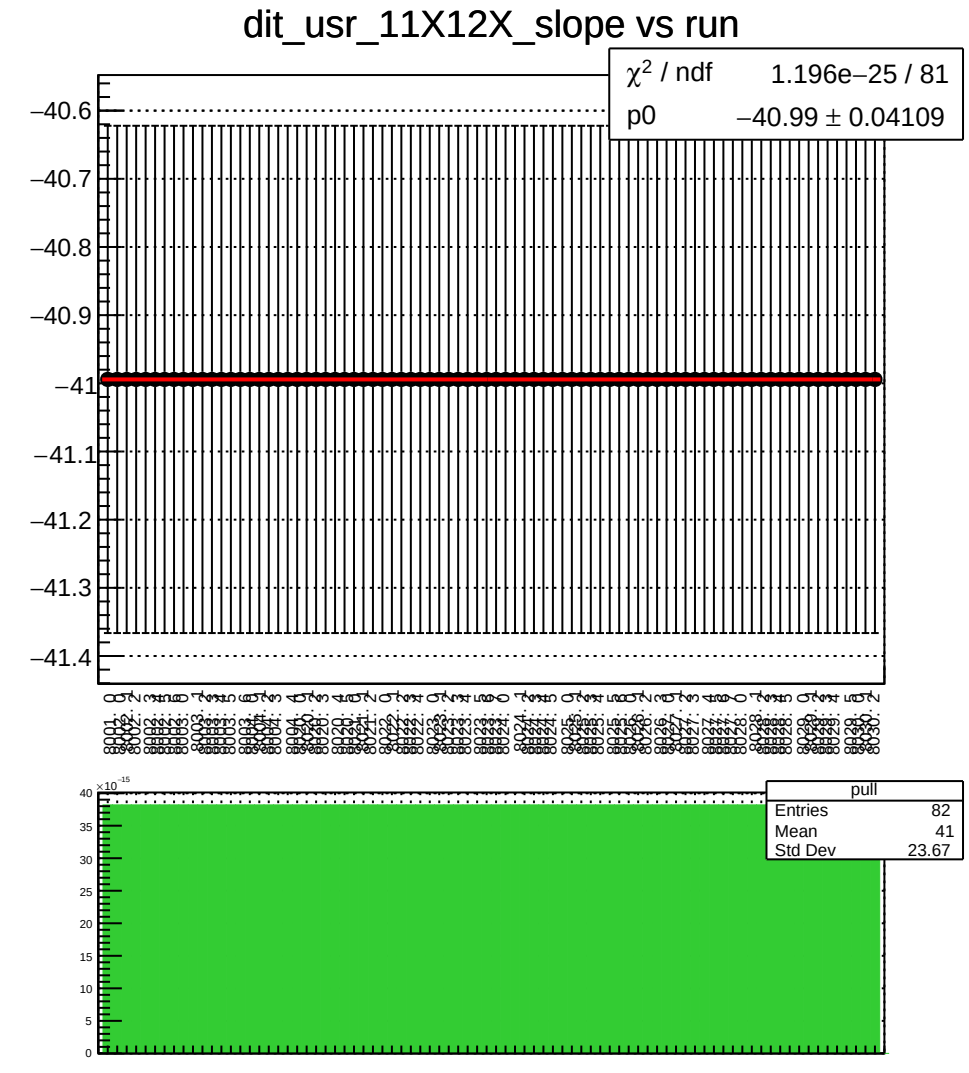

dit_usl_11X12X_slope vs run
χ² / ndf 2.83e−24 / 81
p0 −40.08 ± 0.06336
−39.4
−39.6
−39.8
−40
−40.2
−40.4
−40.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 82
Mean −1.858e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

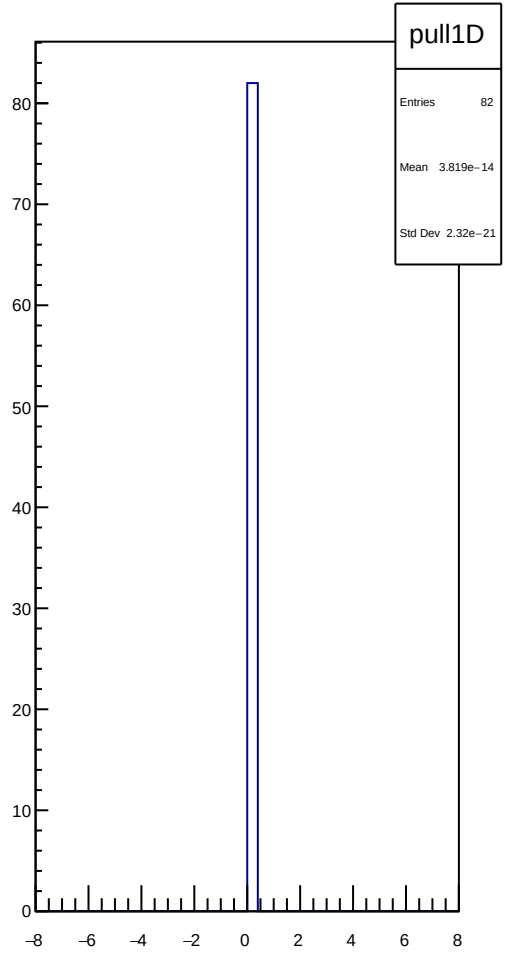

dit_usl_4aY_slope vs run
χ² / ndf 4.124e−27 / 81
p0 −4.8 ± 0.1936
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −7.092e−15
Std Dev3.348e−22

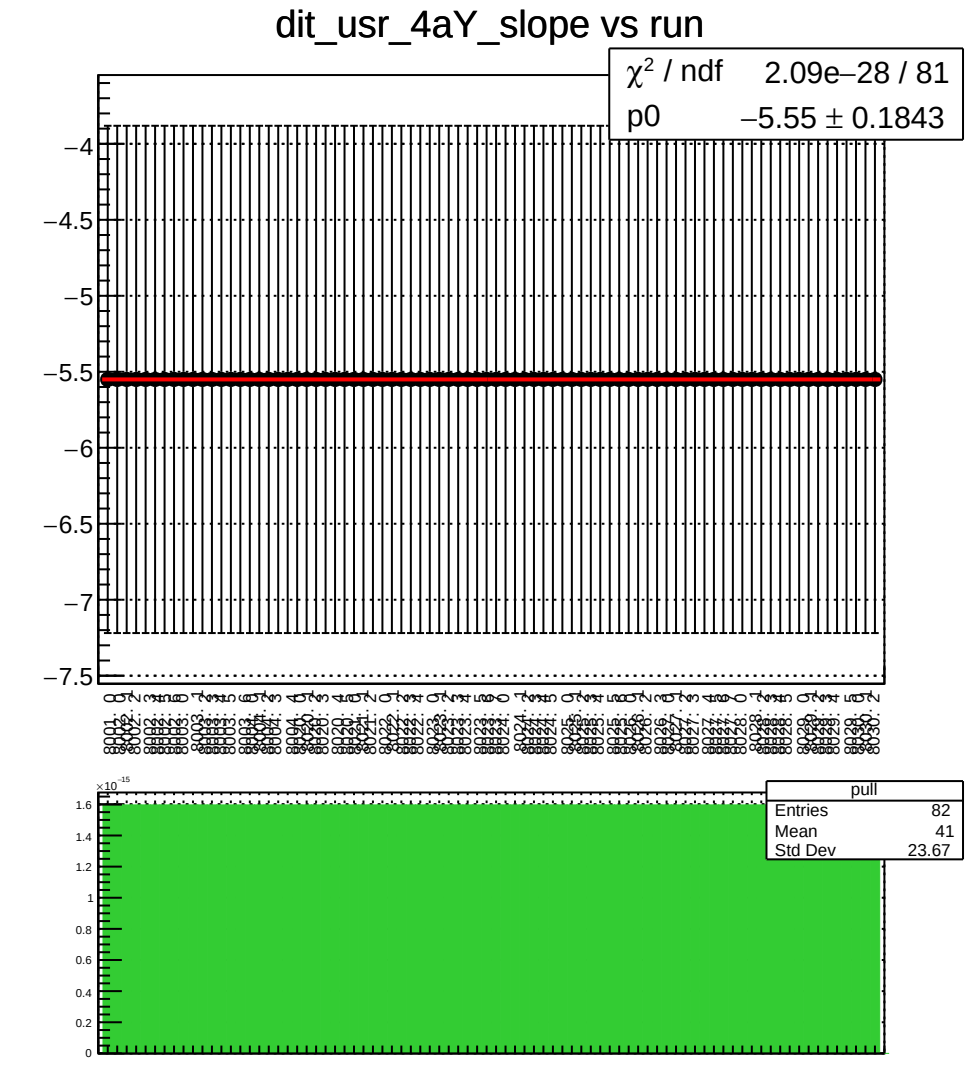

dit_usl_4eY_slope vs run
χ² / ndf 2.988e−26 / 81
p0 24.94 ± 0.185
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.909e−14
Std Dev1.235e−21

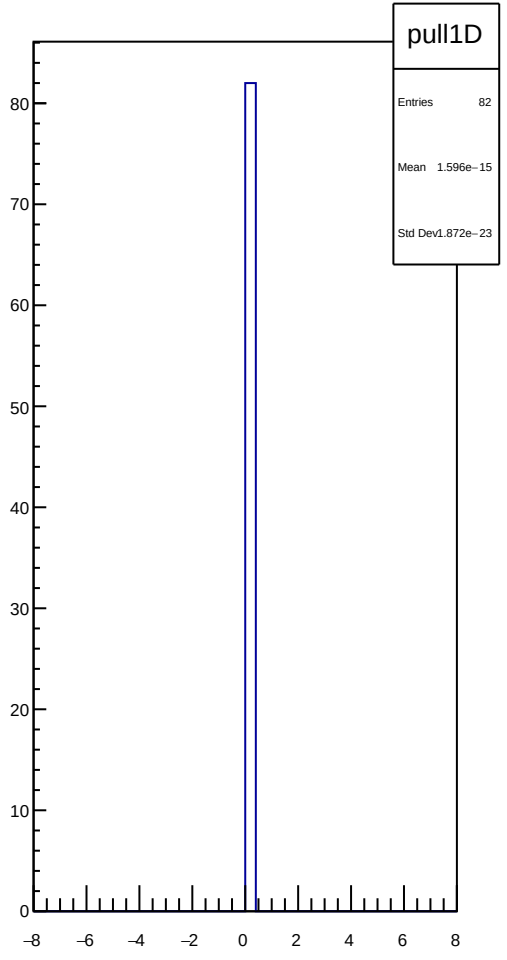

dit_usr_4aX_slope vs run
χ² / ndf 5.761e−27 / 81
p0 −169.9 ± 1.872
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 8.382e−15
Std Dev 4.966e−22

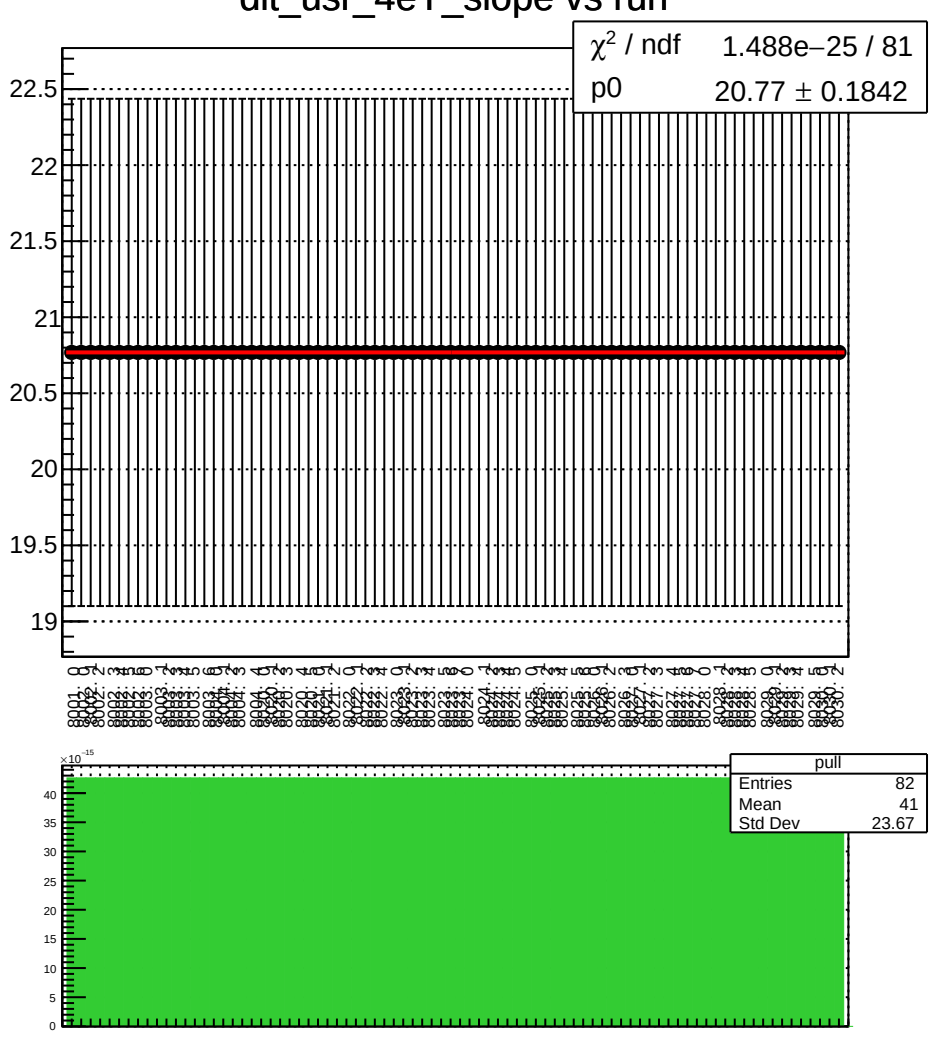

dit_usr_4eX_slope vs run
χ² / ndf 5.65e−27 / 81
p0 224.7 ± 2.269
245
240
235
230
225
220
215
210
205
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull1D
Entries 82
Mean −8.3e−15
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

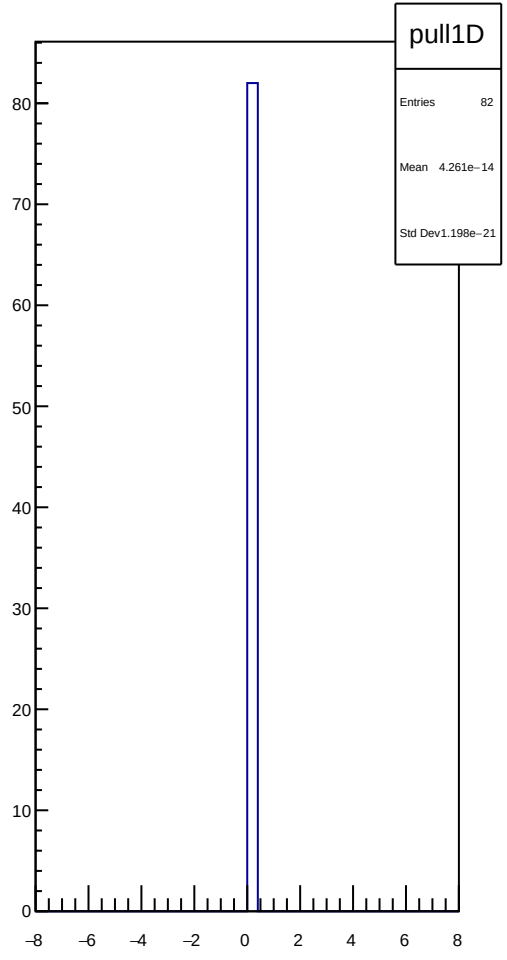

dit_usr_11X12X_slope vs run
χ² / ndf 1.196e−25 / 81
p0 −40.99 ± 0.04109
−40.6
−40.7
−40.8
−40.9
−41
−41.1
−41.2
−41.3
−41.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

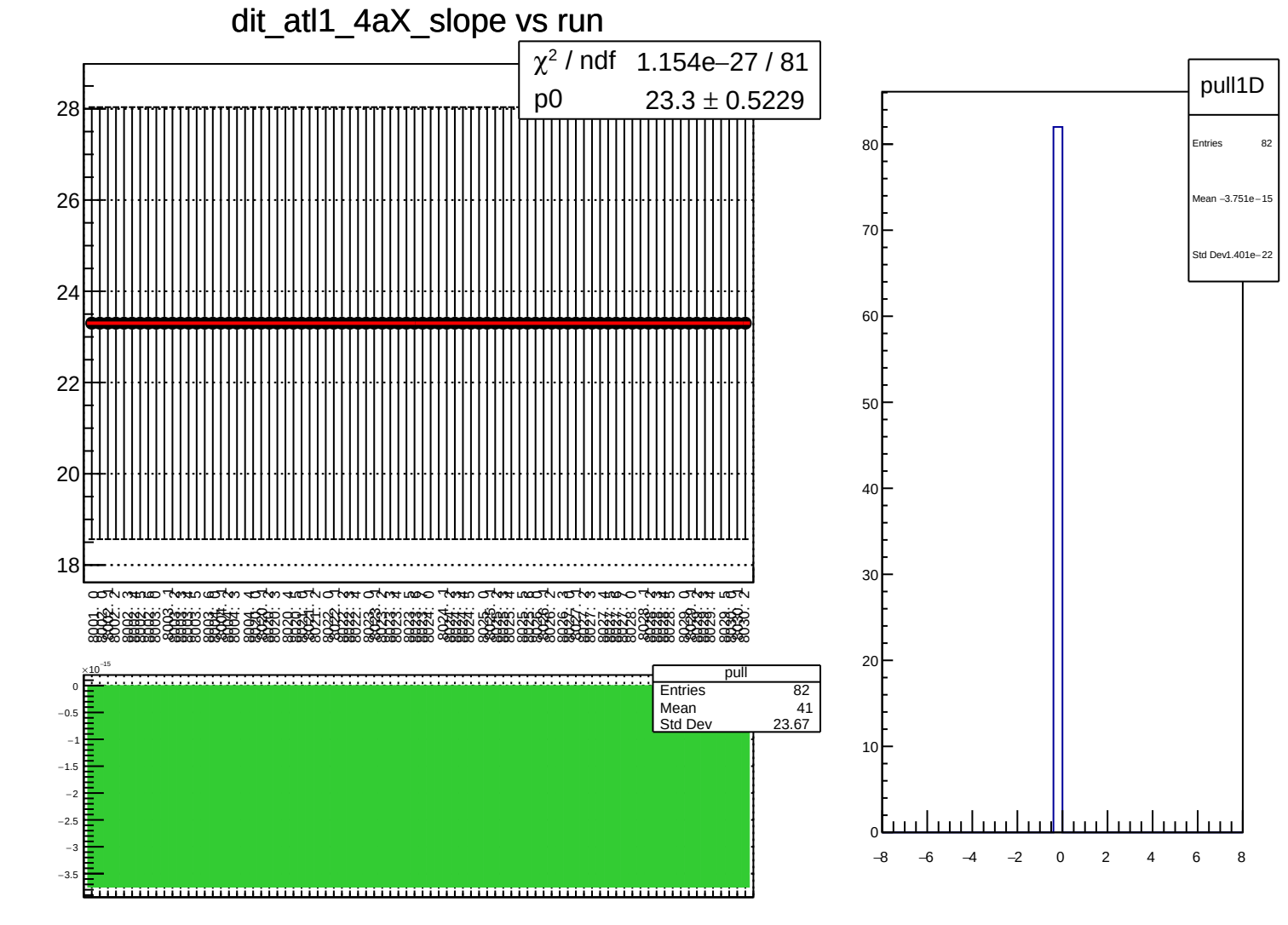

pull1D
Entries 82
Mean 3.819e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

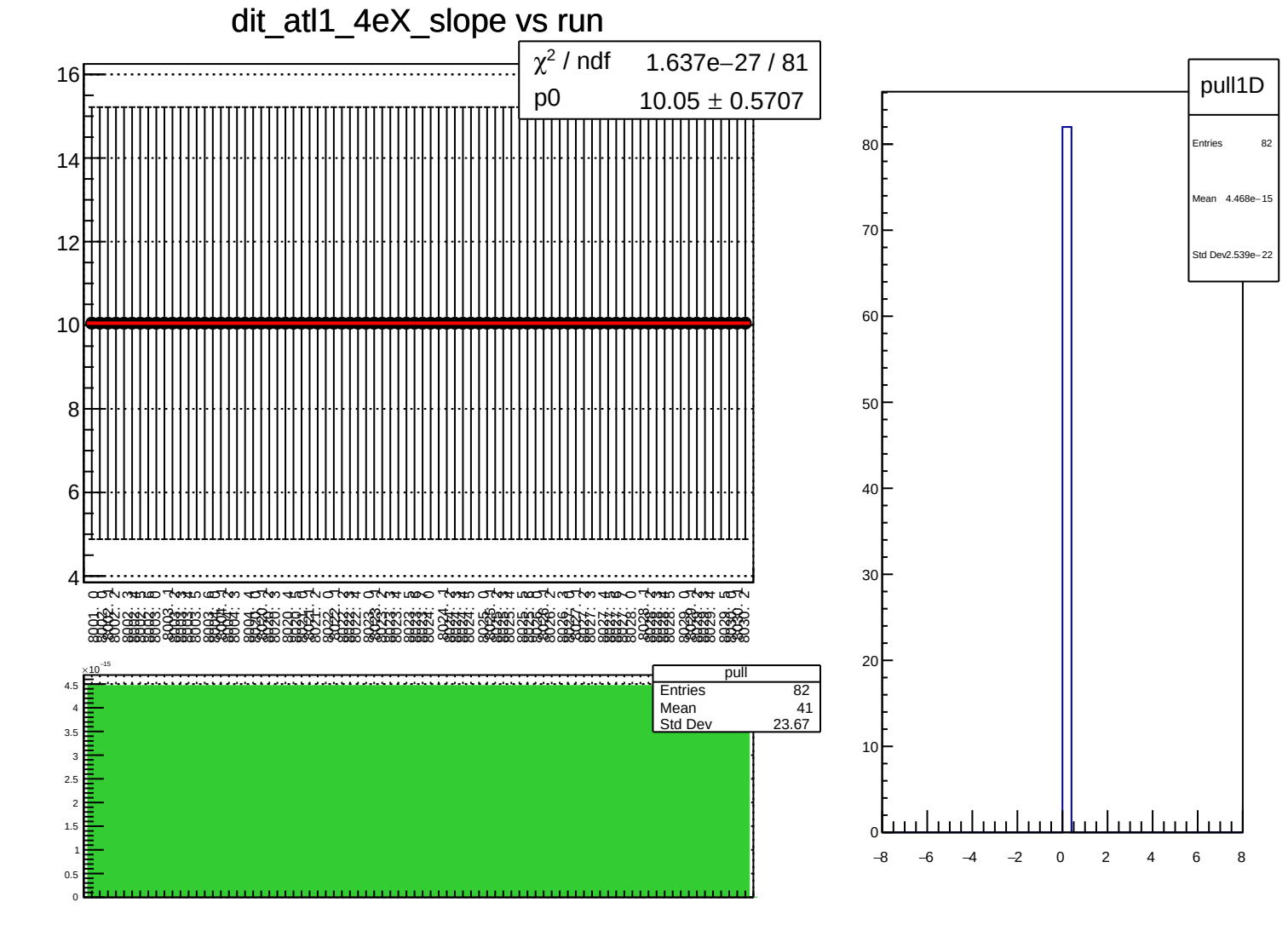

dit_usr_4aY_slope vs run
χ² / ndf 2.09e−28 / 81
p0 −5.55 ± 0.1843
pull
Entries 82
Mean 41
Std Dev 23.67

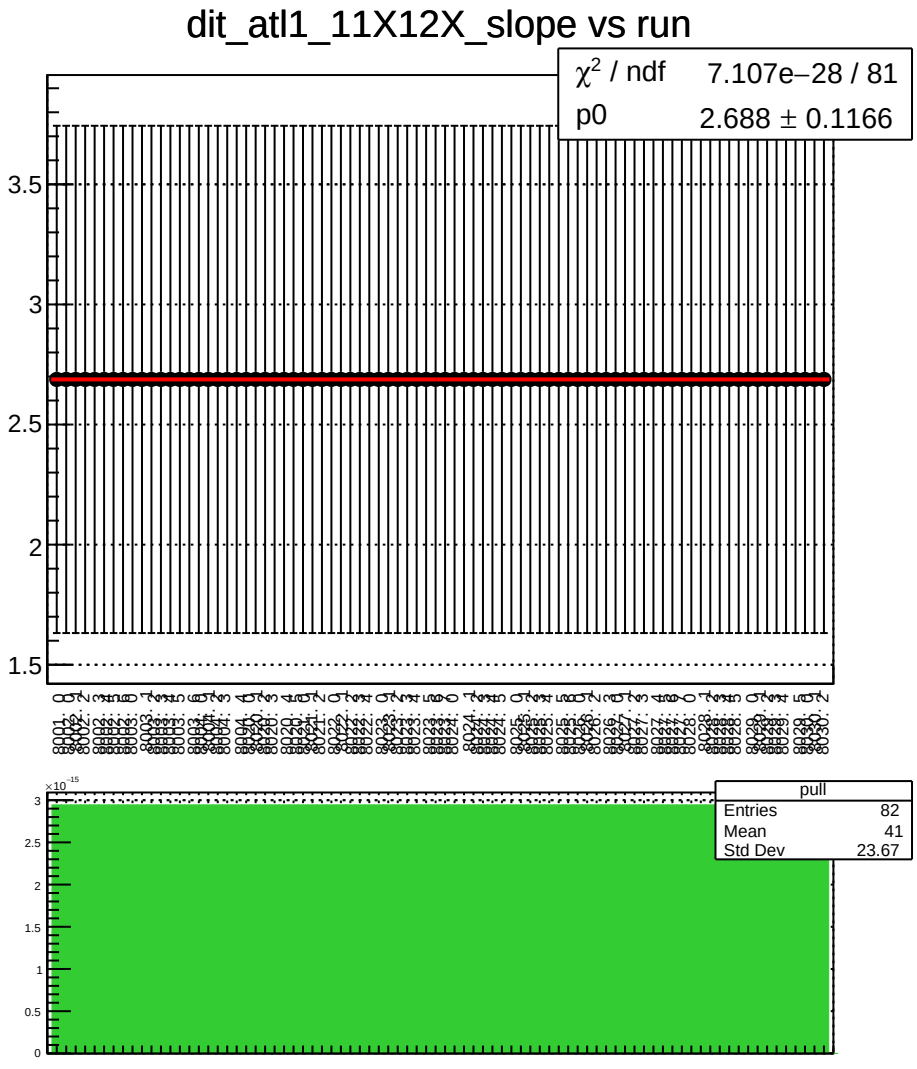

pull1D
Entries 82
Mean 1.596e−15
Std Dev1.872e−23

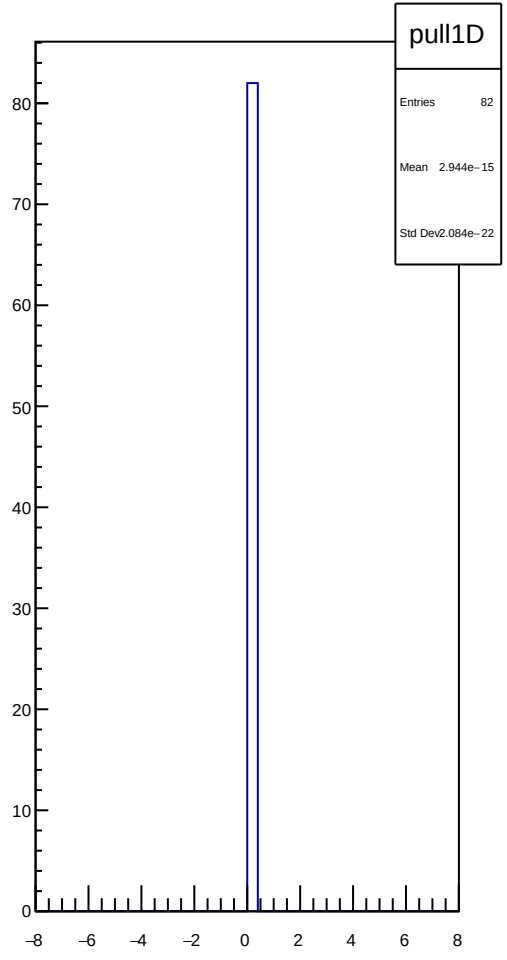

dit_usr_4eY_slope vs run
χ² / ndf 1.488e−25 / 81
p0 20.77 ± 0.1842
22.5
22
21.5
21
20.5
20
19.5
19
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 82
Mean 41
Std Dev 23.67

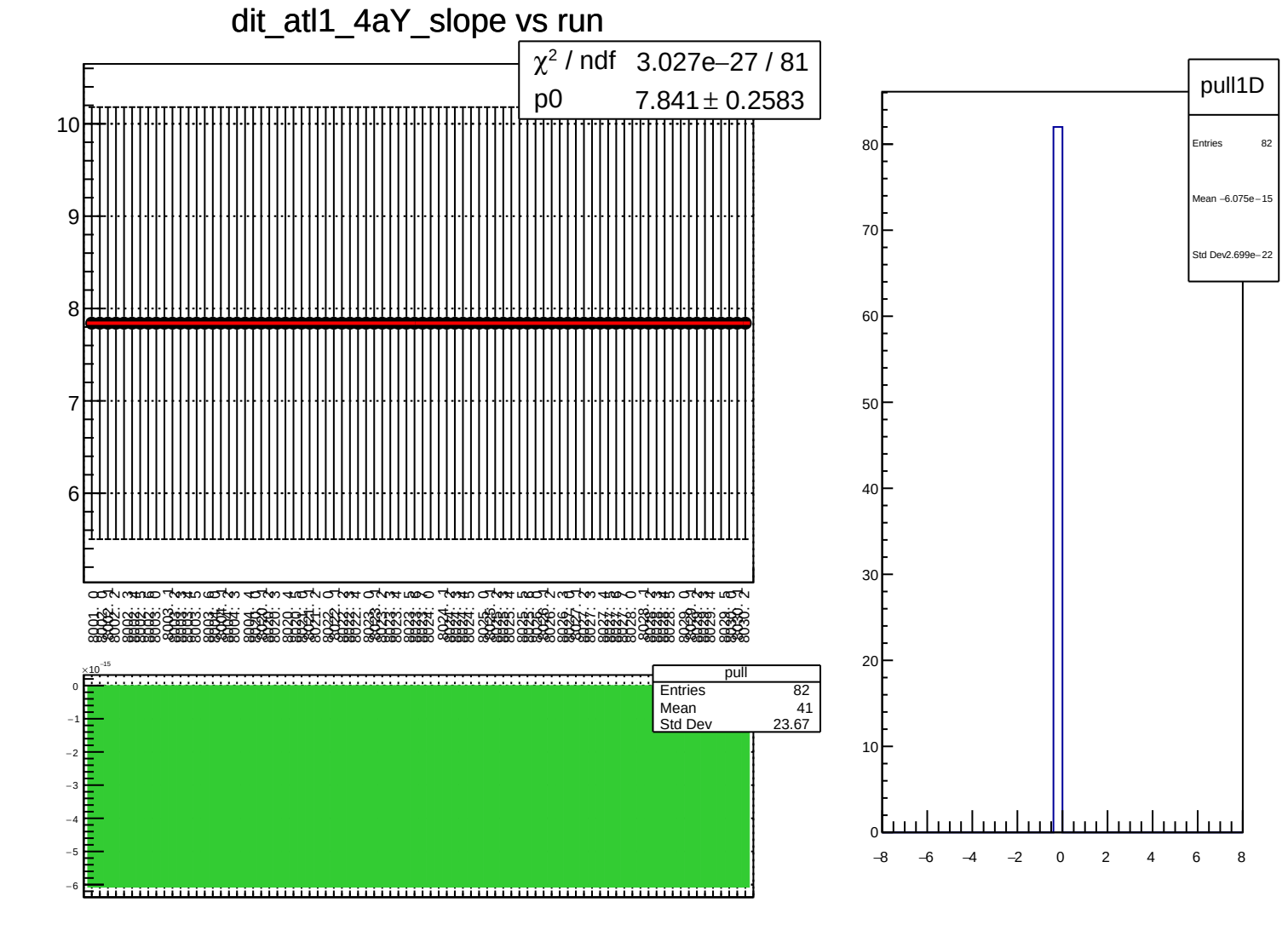

pull1D
Entries 82
Mean 4.261e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

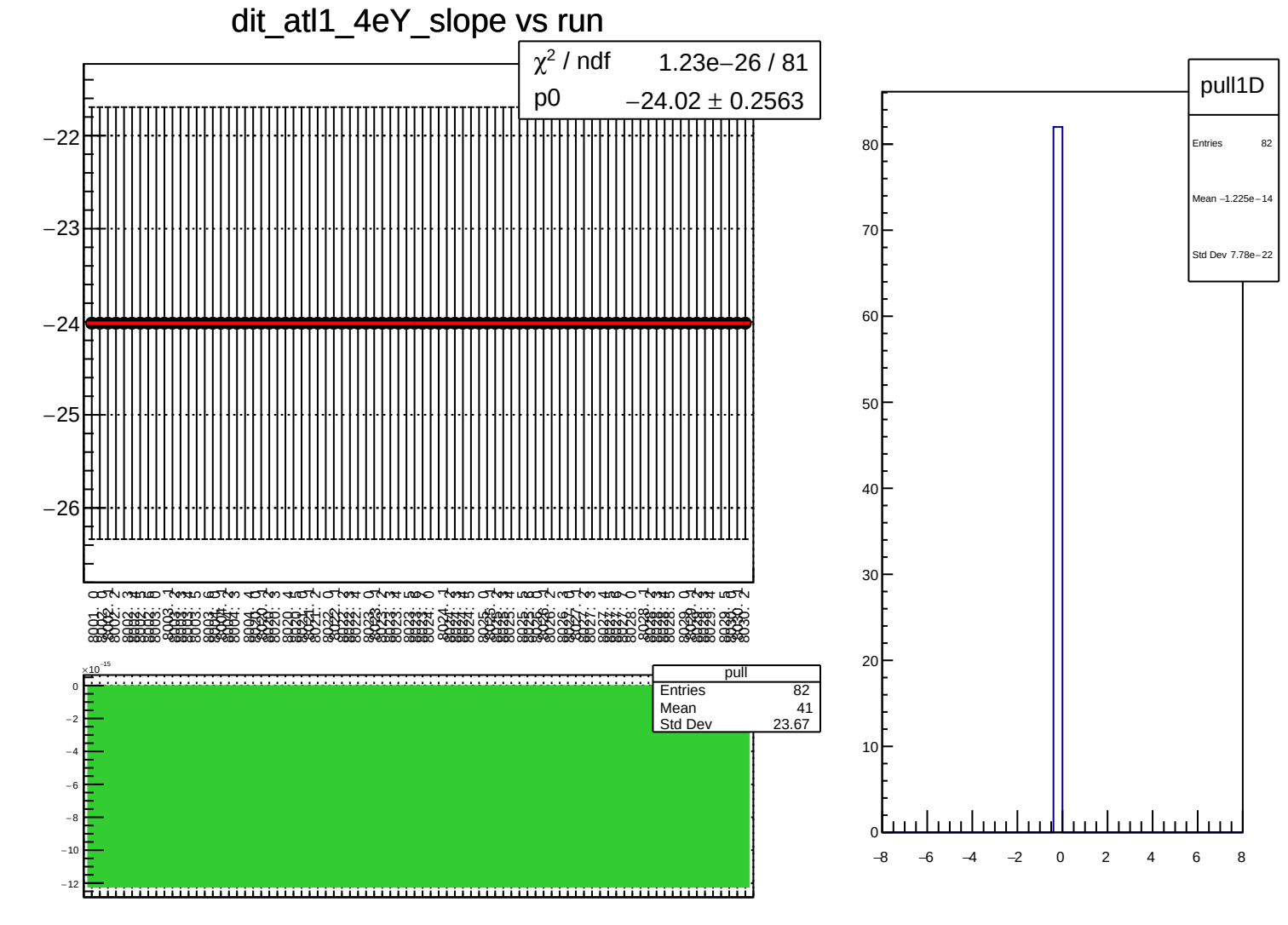

dit_atl1_4aX_slope vs run
χ² / ndf 1.154e−27 / 81
p0 23.3 ± 0.5229
28
26
24
22
20
18
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 82
Mean −3.751e−15
Std Dev1.401e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

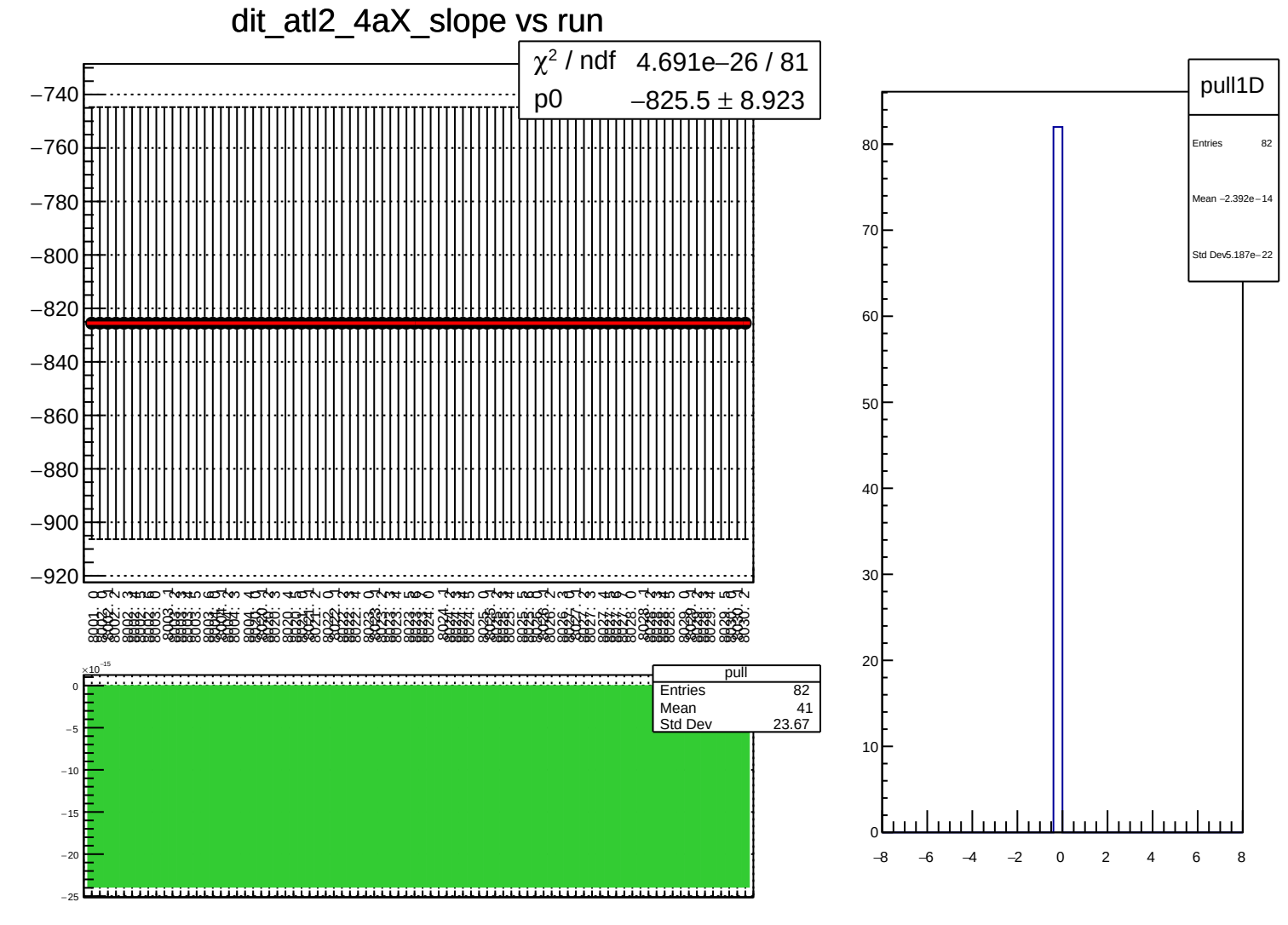

dit_atl1_4eX_slope vs run
χ² / ndf 1.637e−27 / 81
p0 10.05 ± 0.5707
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.468e−15
Std Dev 2.539e−22

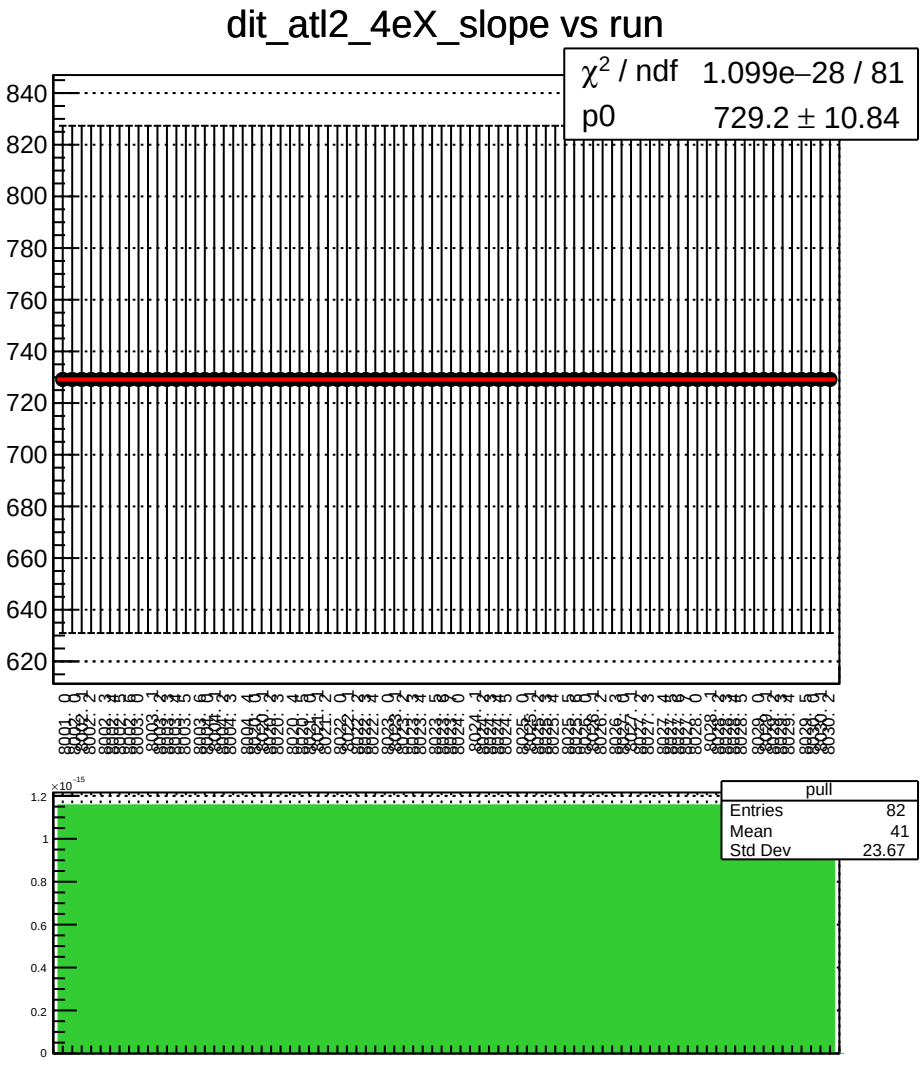

dit_atl1_11X12X_slope vs run
χ² / ndf 7.107e−28 / 81
p0 2.688 ± 0.1166
3.5
3
2.5
2
1.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0

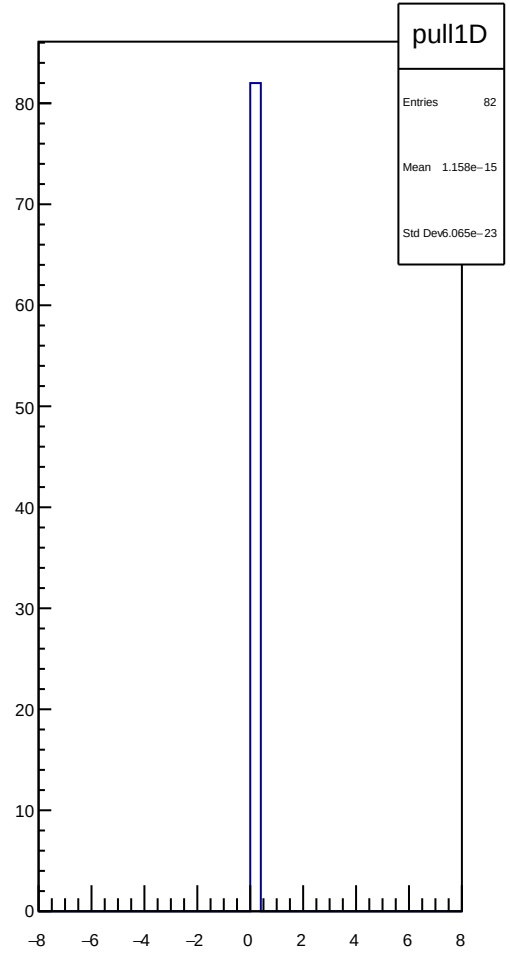

pull1D
Entries 82
Mean 2.944e−15
Std Dev2.084e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

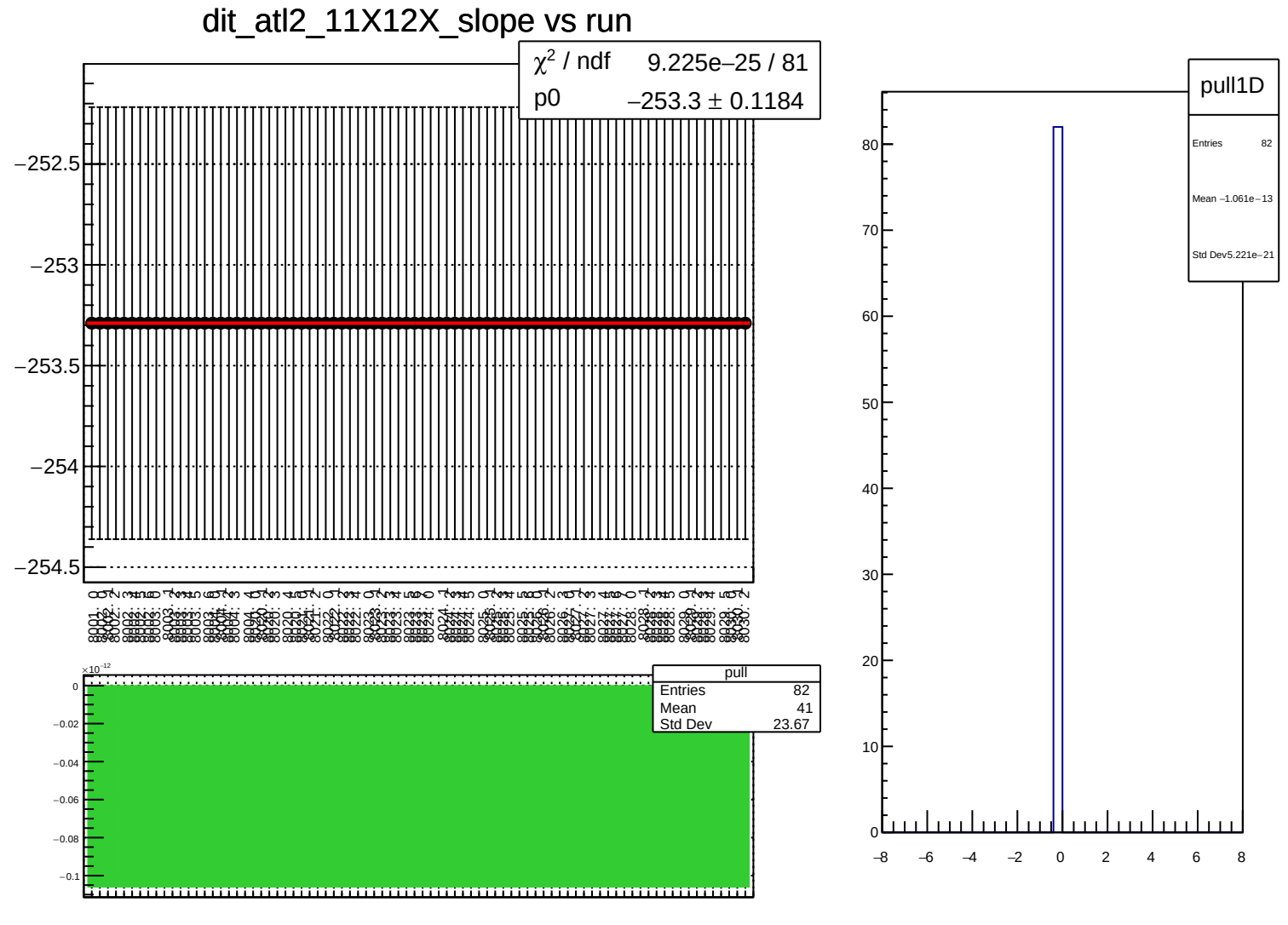

dit_atl1_4aY_slope vs run
χ² / ndf 3.027e−27 / 81
p0 7.841 ± 0.2583
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −6.075e−15
Std Dev 2.699e−22

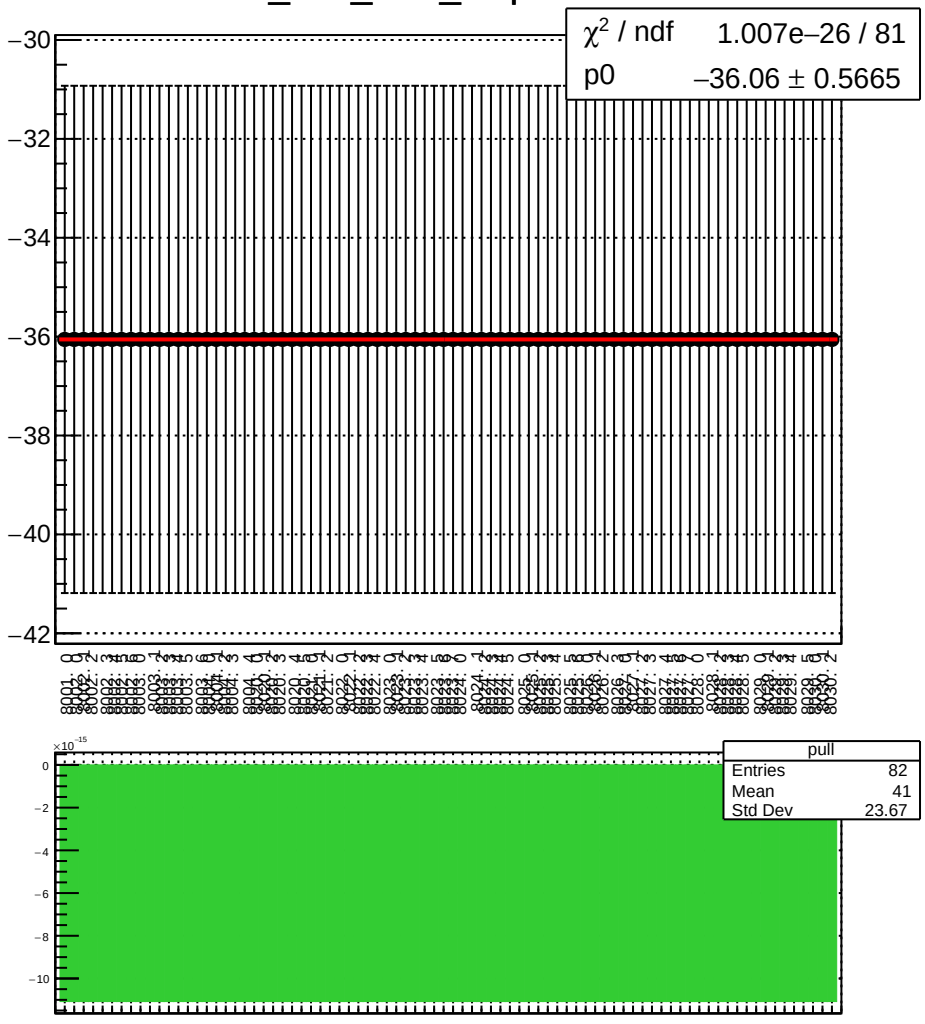

dit_atl1_4eY_slope vs run
χ² / ndf 1.23e−26 / 81
p0 −24.02 ± 0.2563
−22
−23
−24
−25
−26
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 82
Mean −1.225e−14
Std Dev 7.78e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

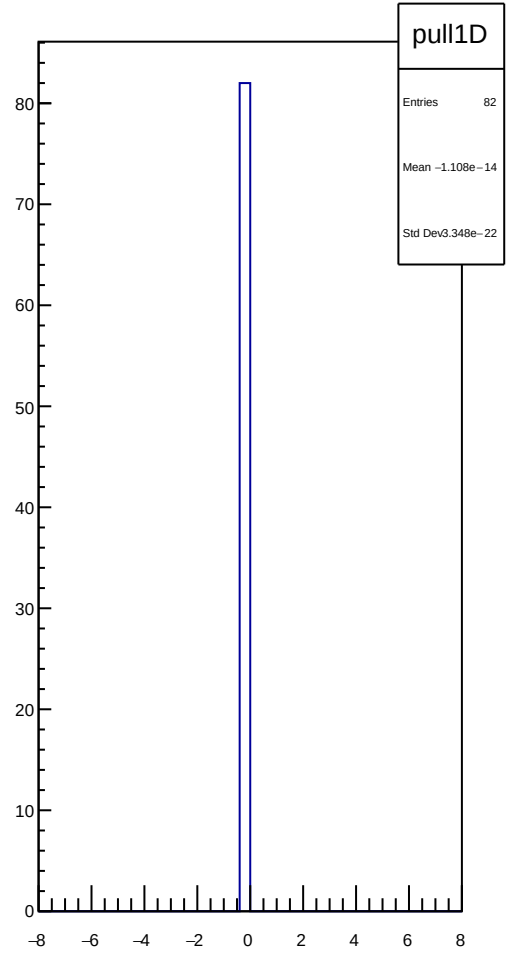

dit_atl2_4aX_slope vs run
χ² / ndf 4.691e−26 / 81
p0 −825.5 ± 8.923
−740
−760
−780
−800
−820
−840
−860
−880
−900
−920
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 82
Mean −2.392e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

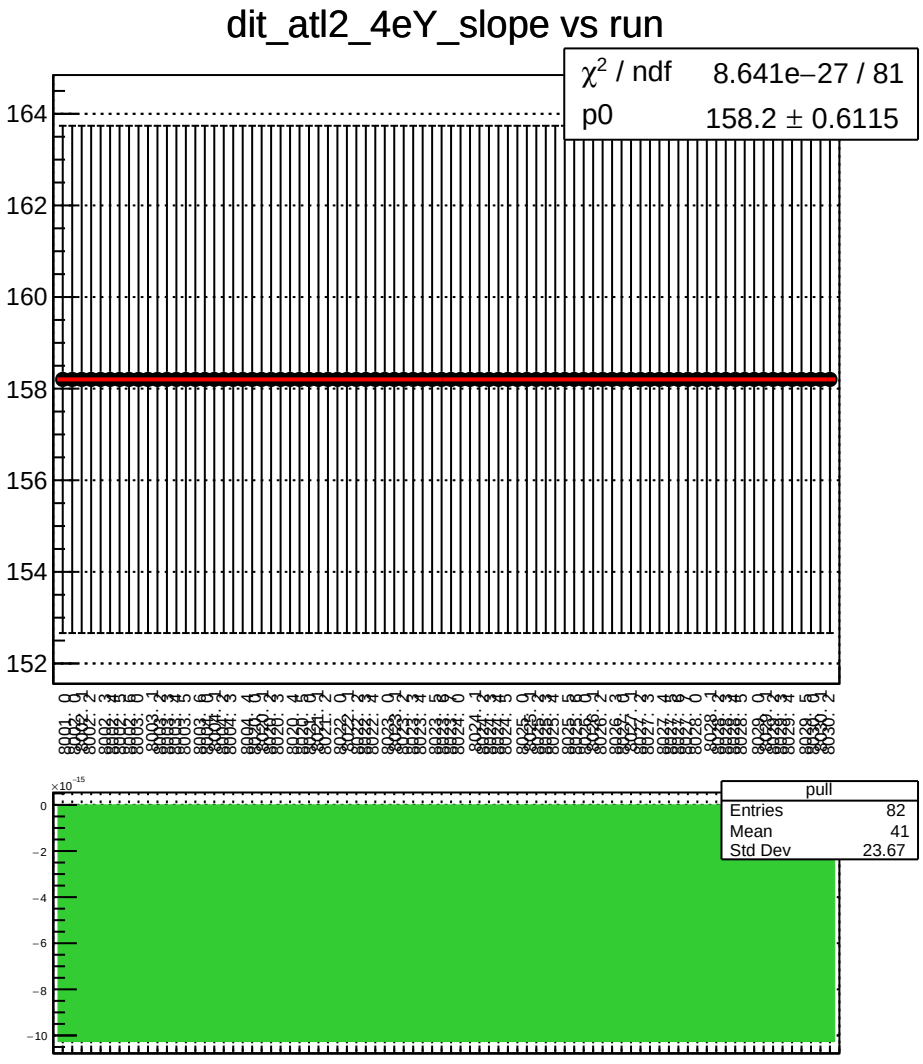

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.099e−28 / 81
p0 729.2 ± 10.84
pull
Entries 82
Mean 41
Std Dev 23.67

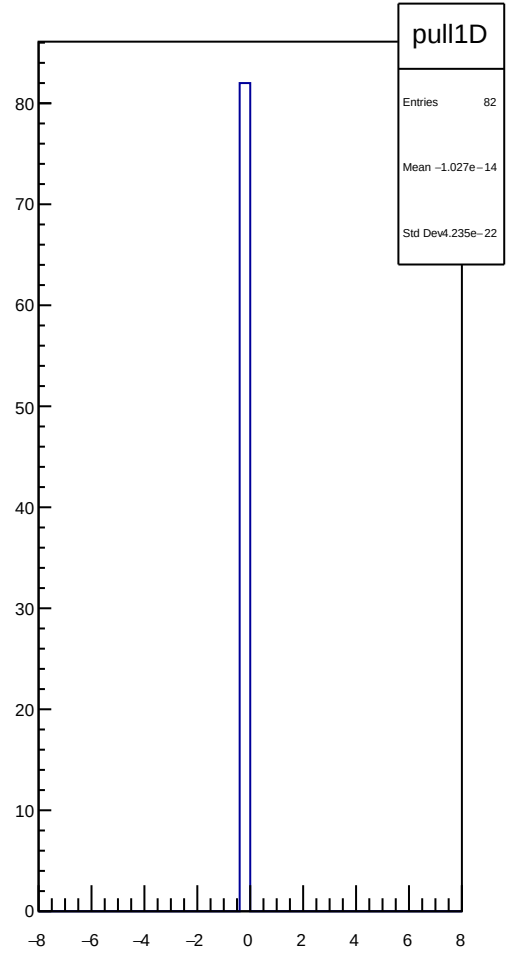

pull1D
Entries 82
Mean 1.158e−15
Std Dev 6.065e−23

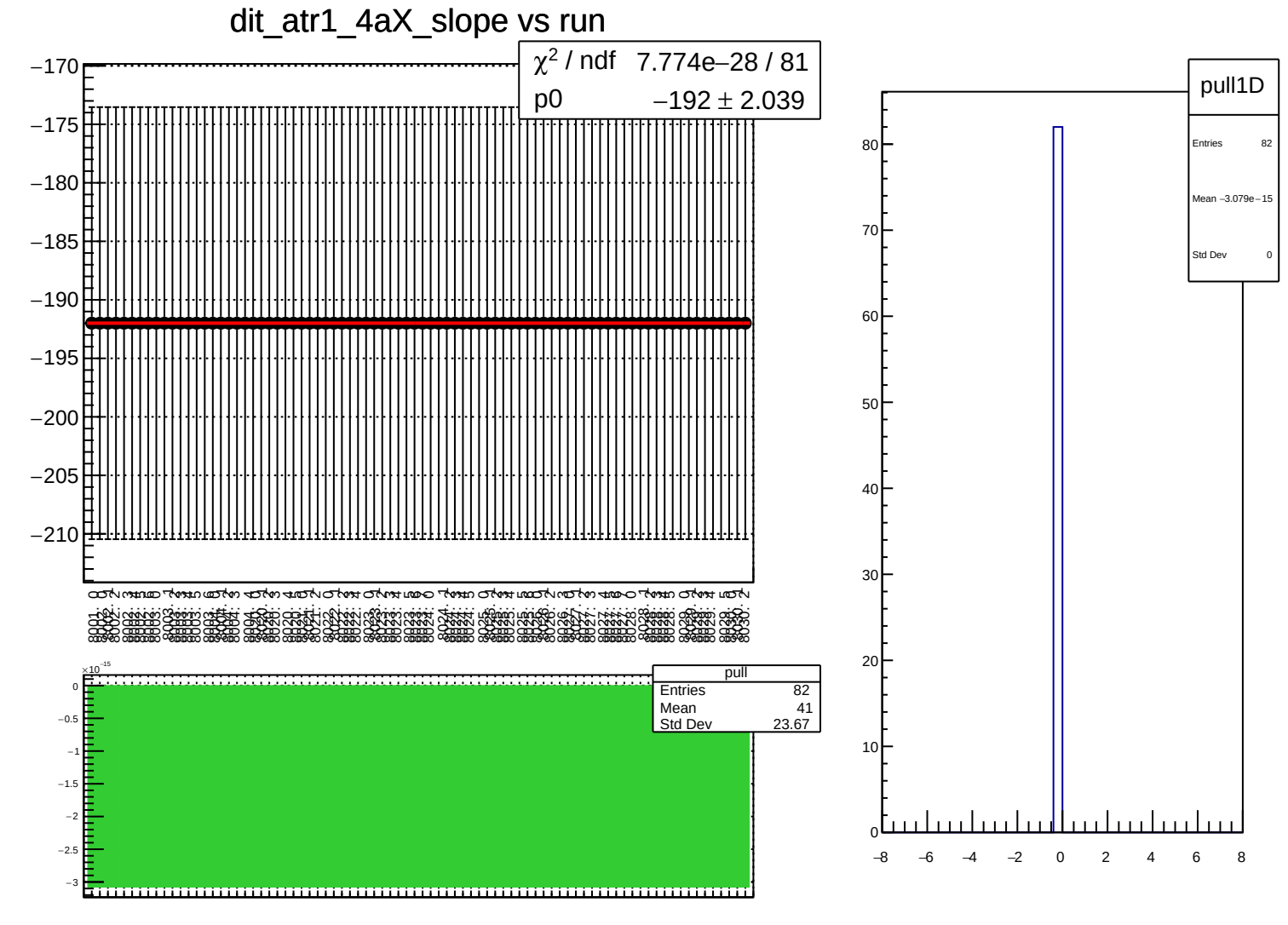

dit_atl2_11X12X_slope vs run
χ² / ndf 9.225e−25 / 81
p0 −253.3 ± 0.1184
−252.5
−253
−253.5
−254
−254.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 82
Mean −1.061e−13
Std Dev5.221e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

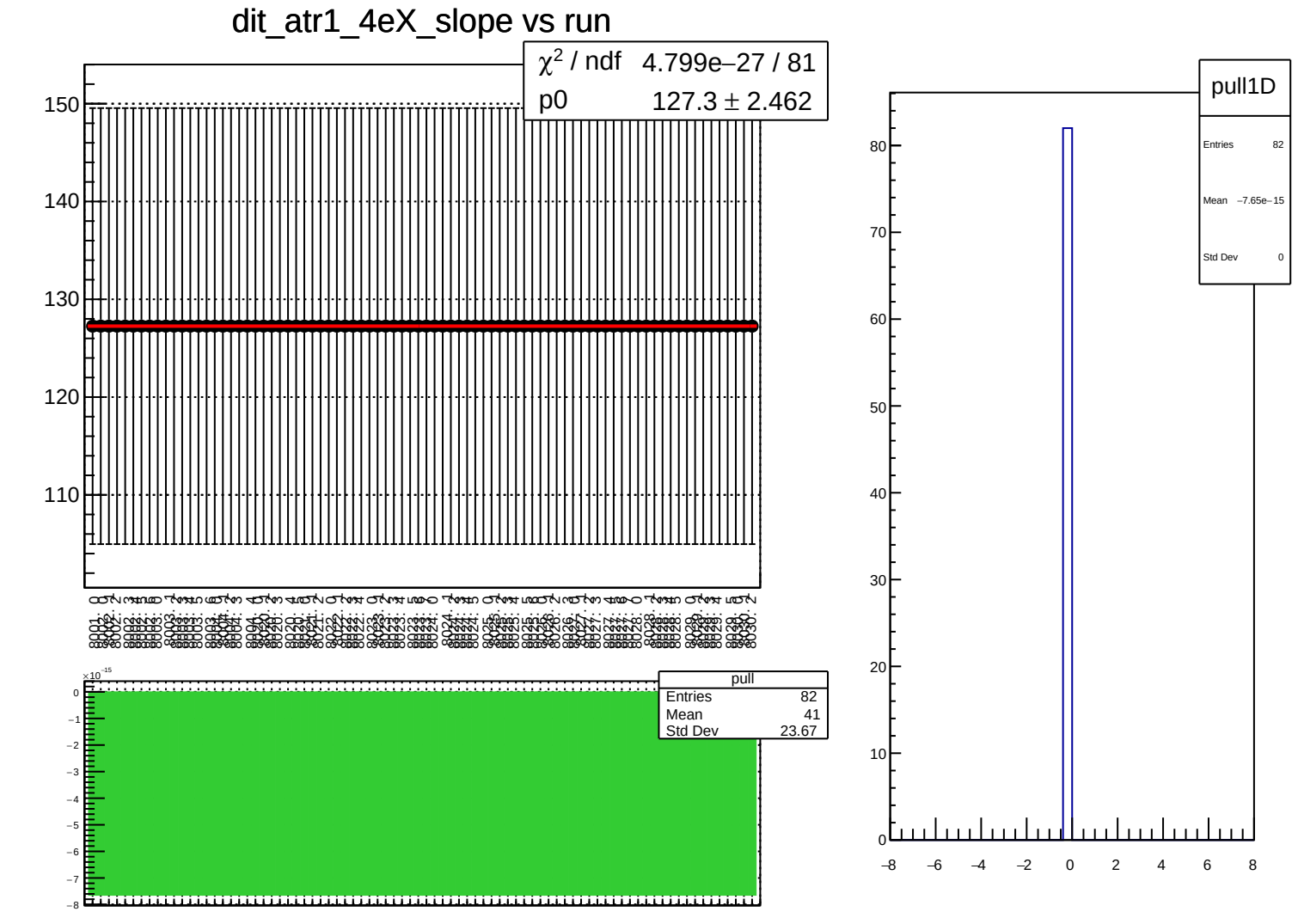

dit_atl2_4aY_slope vs run
χ² / ndf 1.007e−26 / 81
p0 −36.06 ± 0.5665
pull
Entries 82
Mean 41
Std Dev 23.67

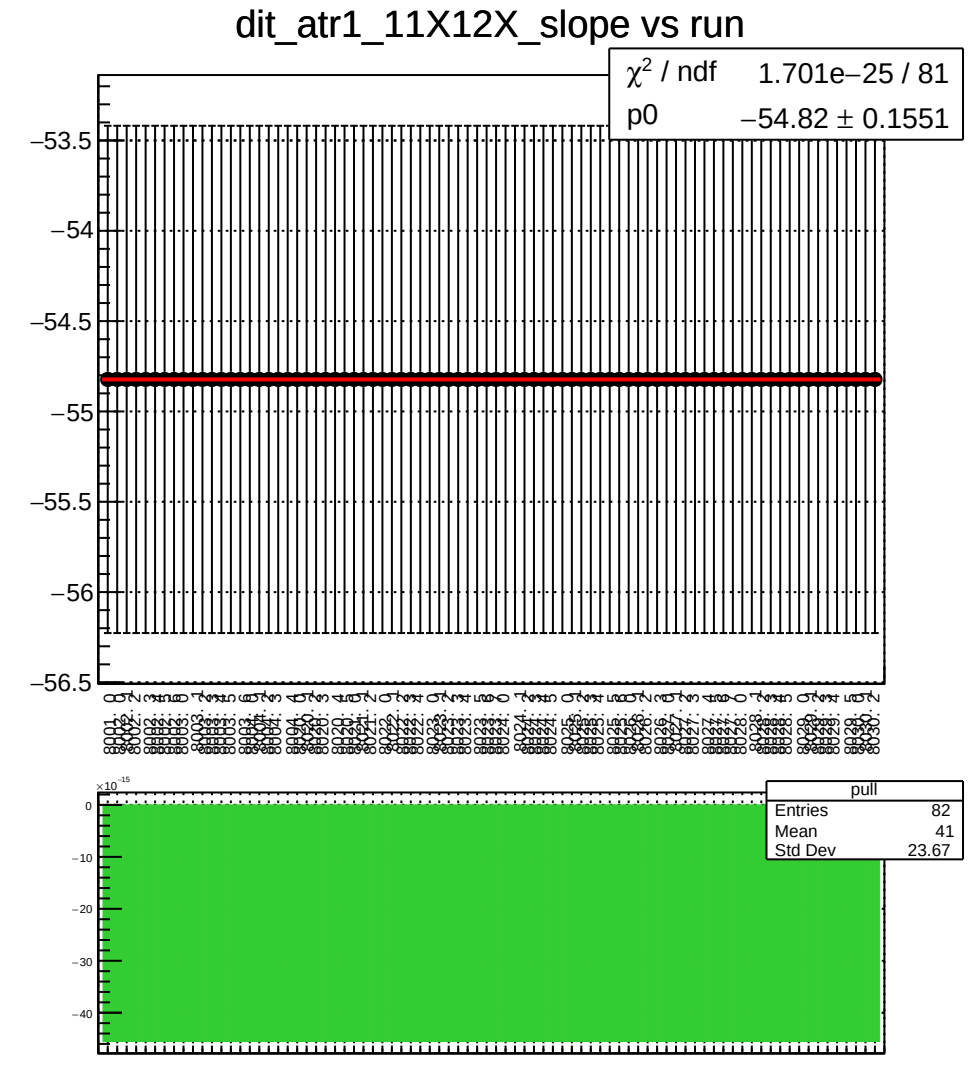

pull1D
Entries 82
Mean −1.108e−14
Std Dev3.348e−22

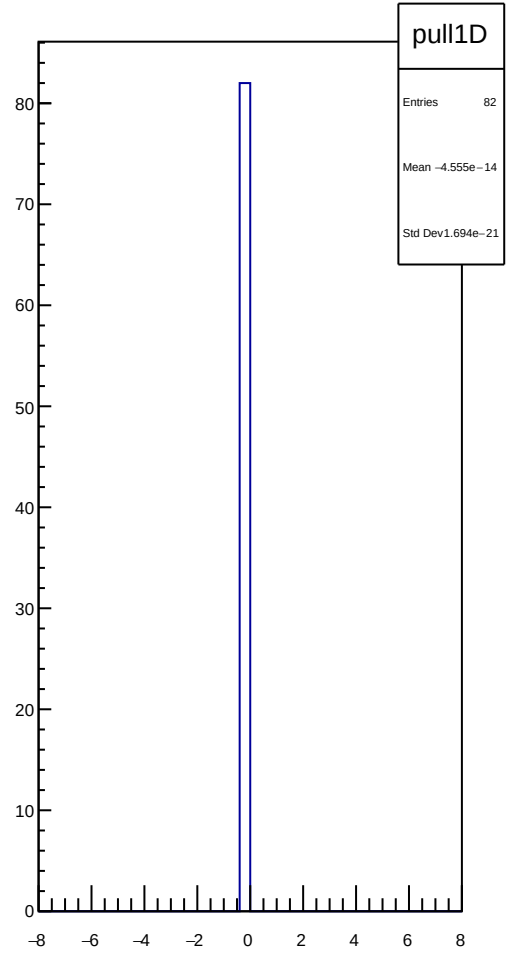

dit_atl2_4eY_slope vs run
χ² / ndf 8.641e−27 / 81
p0 158.2 ± 0.6115
164
162
160
158
156
154
152
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10

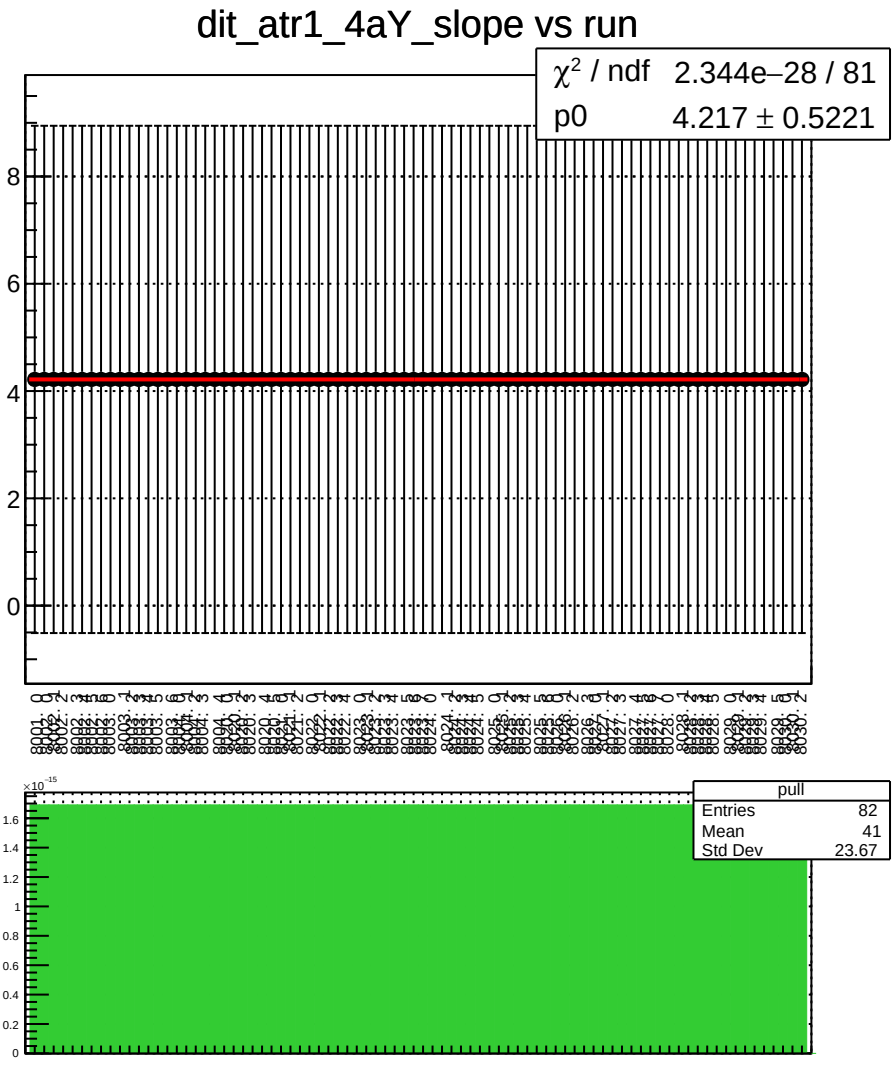

pull1D
Entries 82
Mean −1.027e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

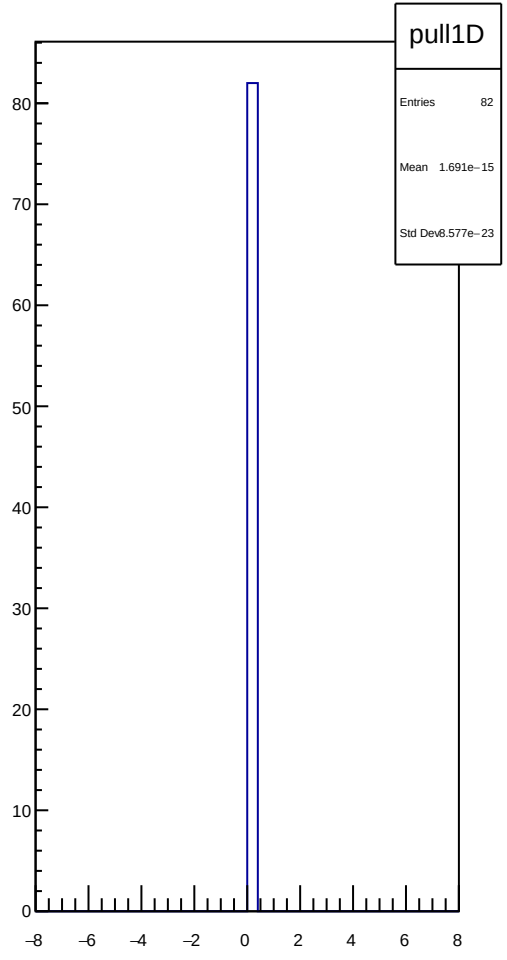

dit_atr1_4aX_slope vs run
χ^2 / ndf 7.774e−28 / 81
p0 −192 ± 2.039
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.079e−15
Std Dev 0

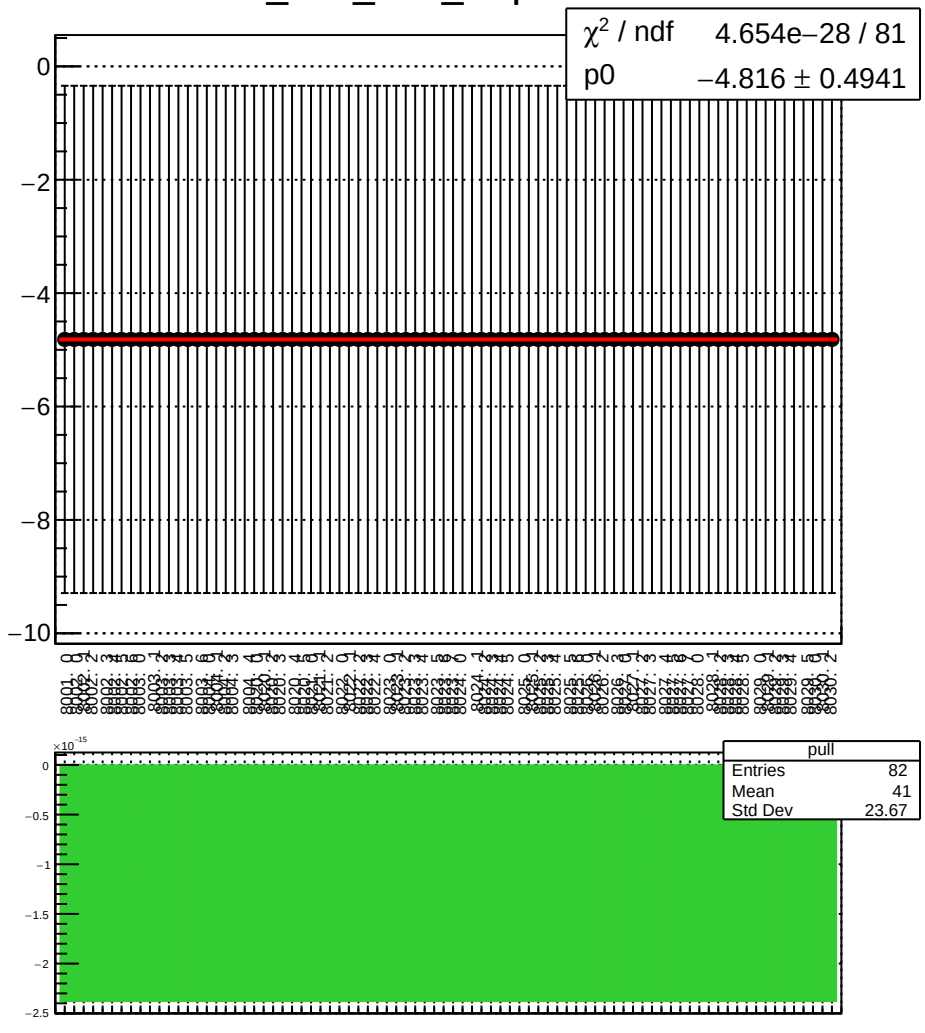

dit_atr1_4eX_slope vs run
χ² / ndf 4.799e−27 / 81
p0 127.3 ± 2.462
150
140
130
120
110
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull1D
Entries 82
Mean −7.65e−15
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

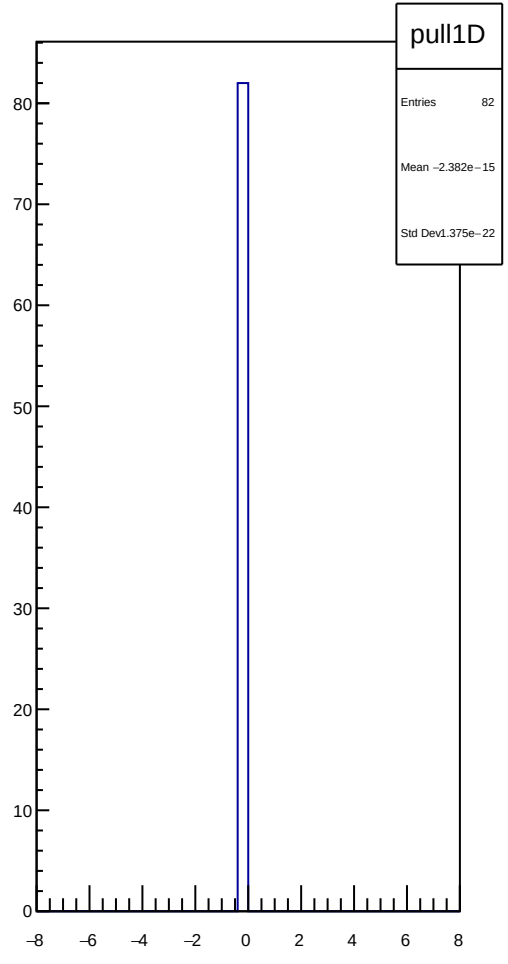

dit_atr1_11X12X_slope vs run
χ² / ndf 1.701e−25 / 81
p0 −54.82 ± 0.1551
−53.5
−54
−54.5
−55
−55.5
−56
−56.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40

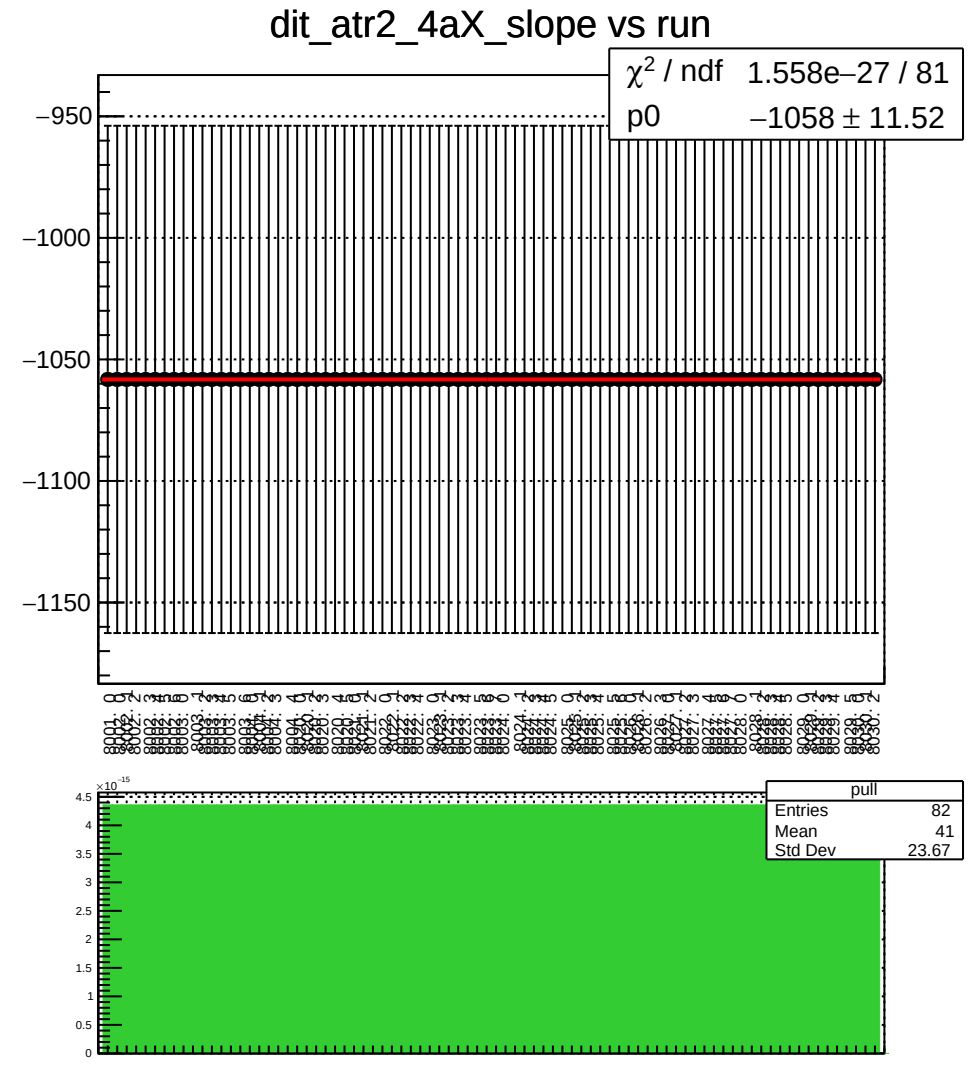

pull1D
Entries 82
Mean −4.555e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

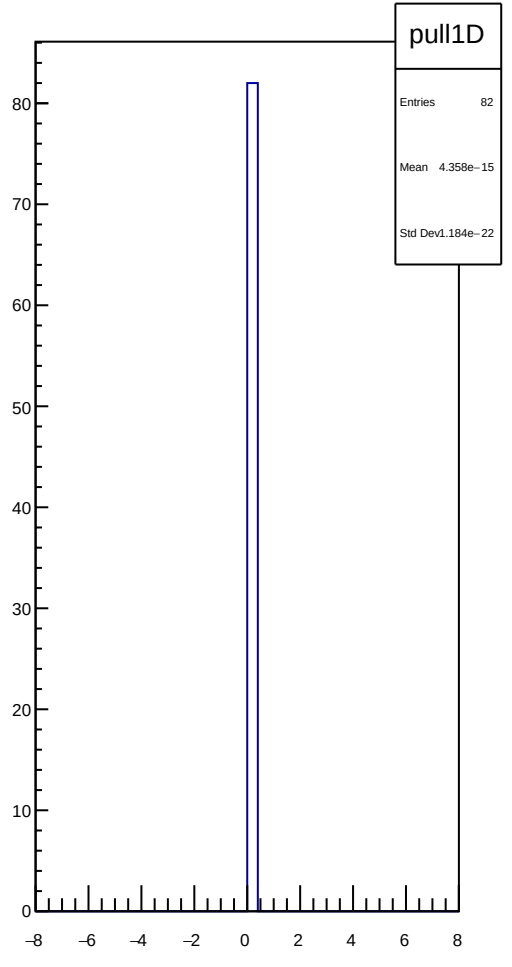

dit_atr1_4aY_slope vs run
χ² / ndf 2.344e−28 / 81
p0 4.217 ± 0.5221
pull
Entries 82
Mean 41
Std Dev 23.67

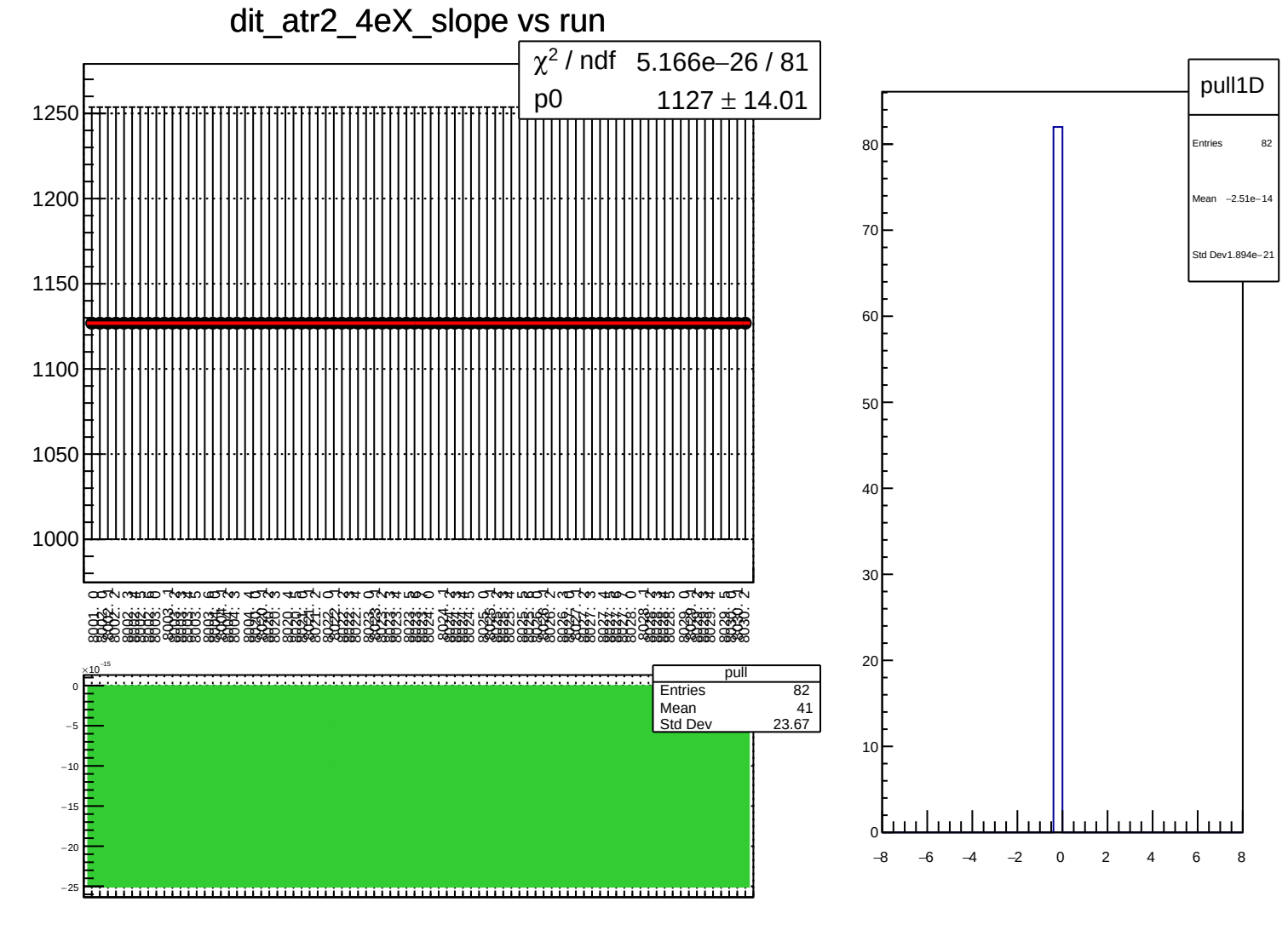

pull1D
Entries 82
Mean 1.691e−15
Std Dev 8.577e−23

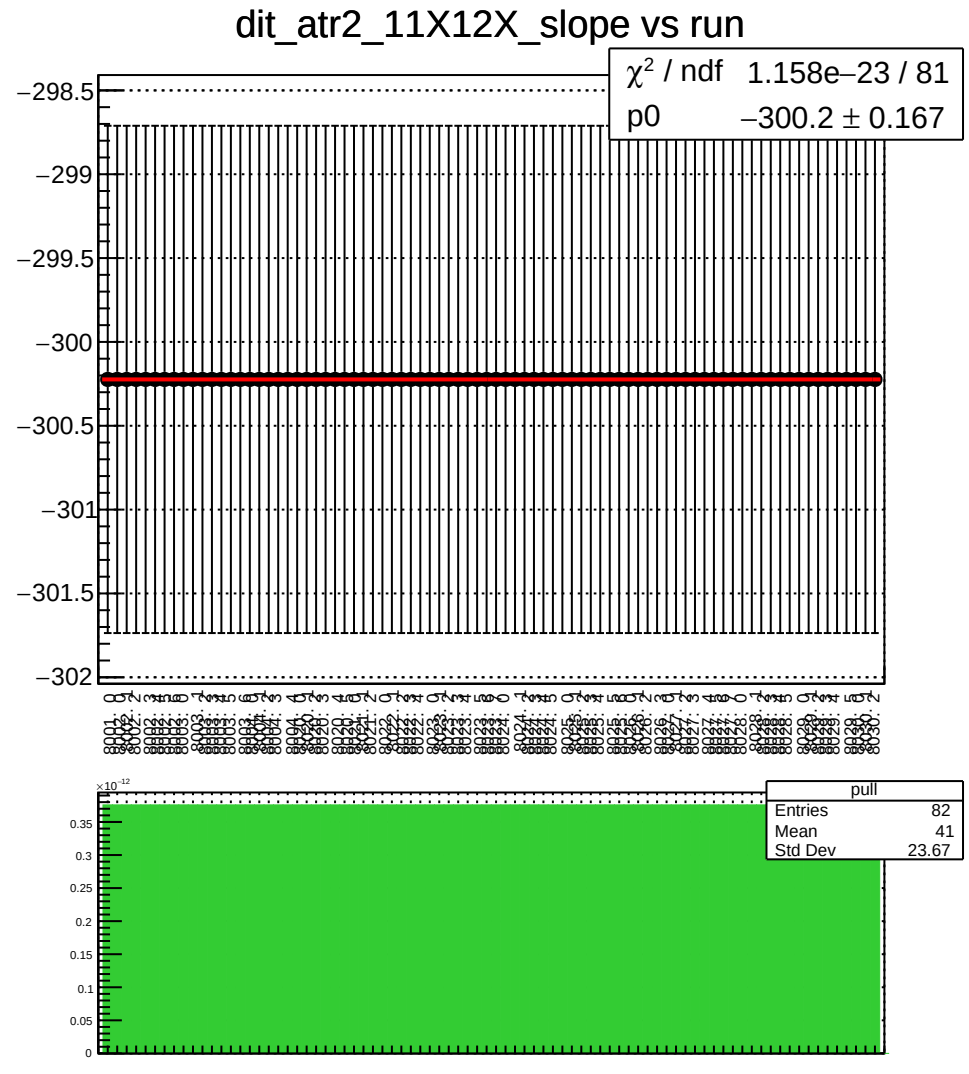

dit_atr1_4eY_slope vs run
χ² / ndf 4.654e−28 / 81
p0 −4.816 ± 0.4941
pull
Entries 82
Mean 41
Std Dev 23.67

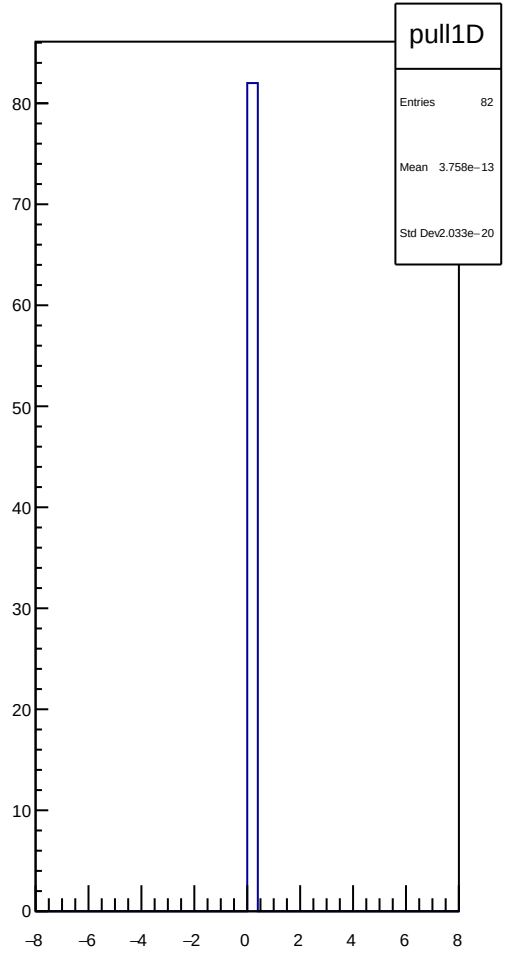

pull1D
Entries 82
Mean −2.382e−15
Std Dev1.375e−22

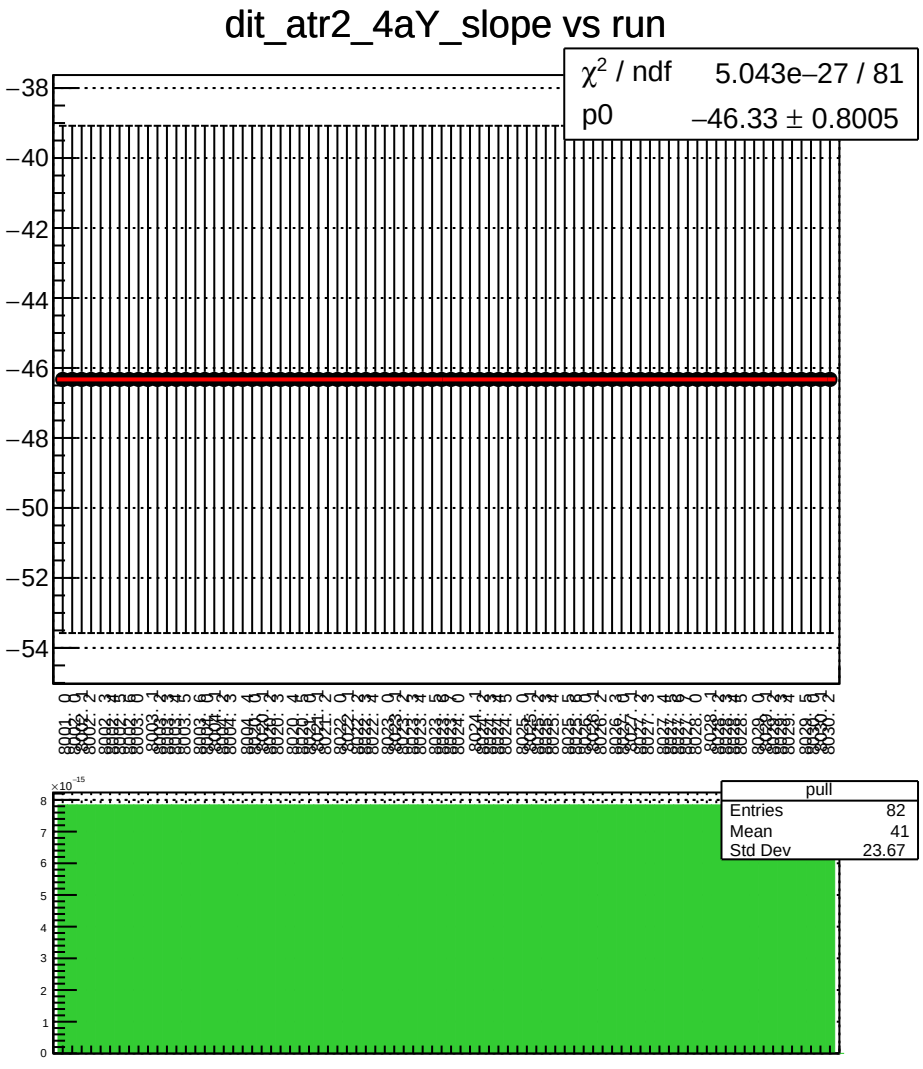

dit_atr2_4aX_slope vs run
χ² / ndf 1.558e−27 / 81
p0 −1058 ± 11.52
−950
−1000
−1050
−1100
−1150
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

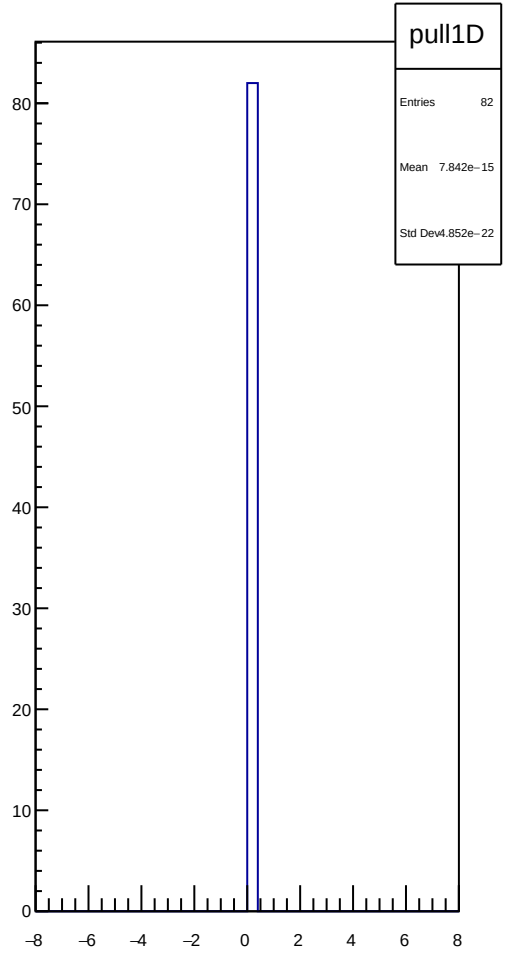

pull1D
Entries 82
Mean 4.358e−15
Std Dev1.184e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

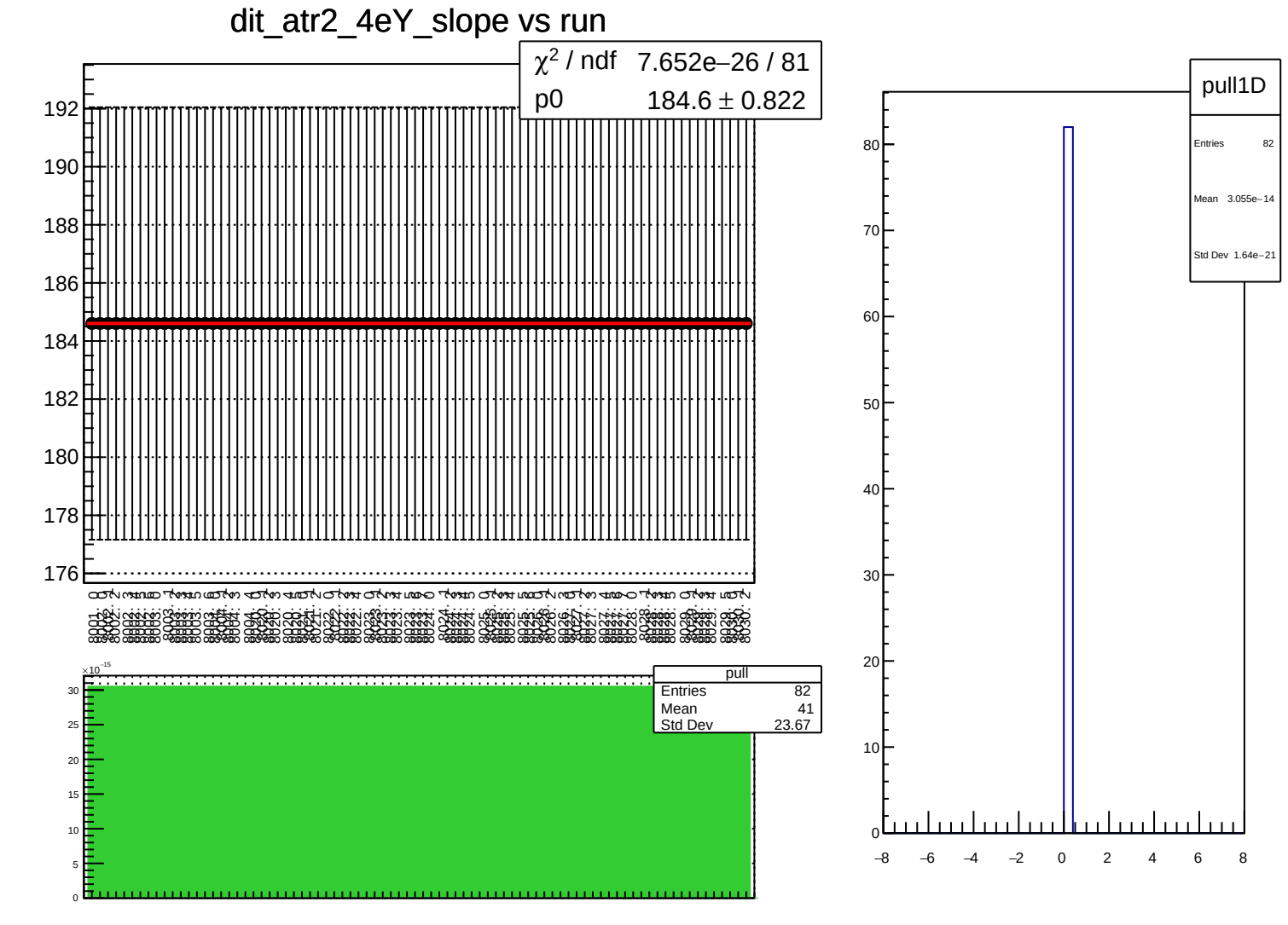

dit_atr2_4eX_slope vs run
χ² / ndf 5.166e−26 / 81
p0 1127 ± 14.01
1250
1200
1150
1100
1050
1000
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 82
Mean −2.51e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

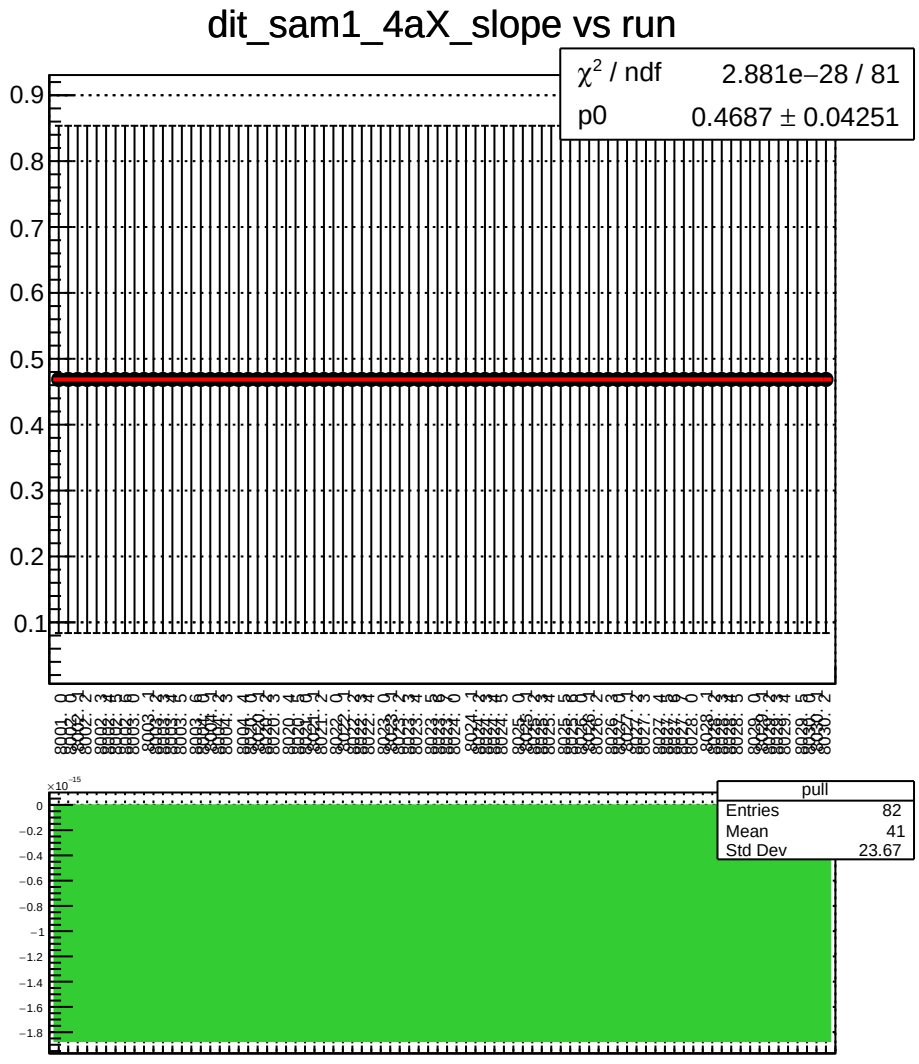

dit_atr2_11X12X_slope vs run
χ² / ndf 1.158e−23 / 81
p0 −300.2 ± 0.167
−298.5
−299
−299.5
−300
−300.5
−301
−301.5
−302
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

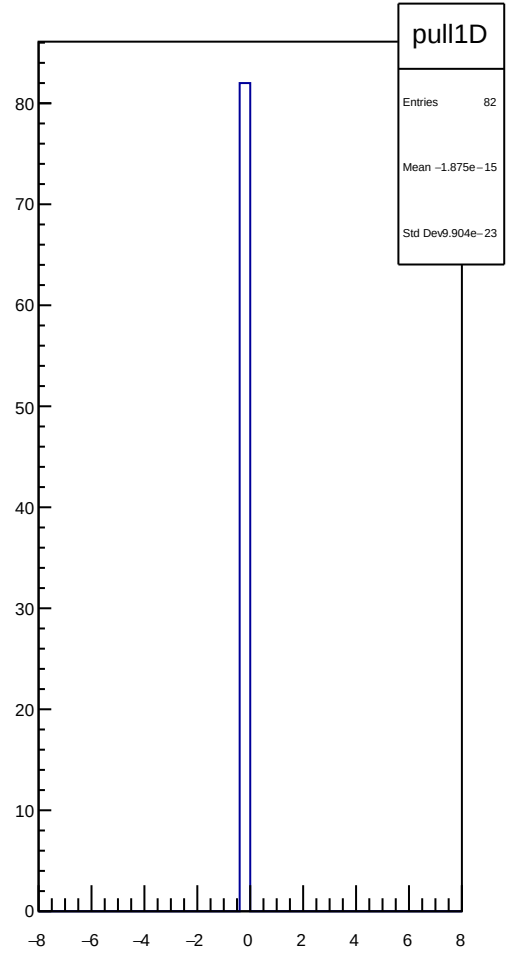

pull1D
Entries 82
Mean 3.758e−13
Std Dev 2.033e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

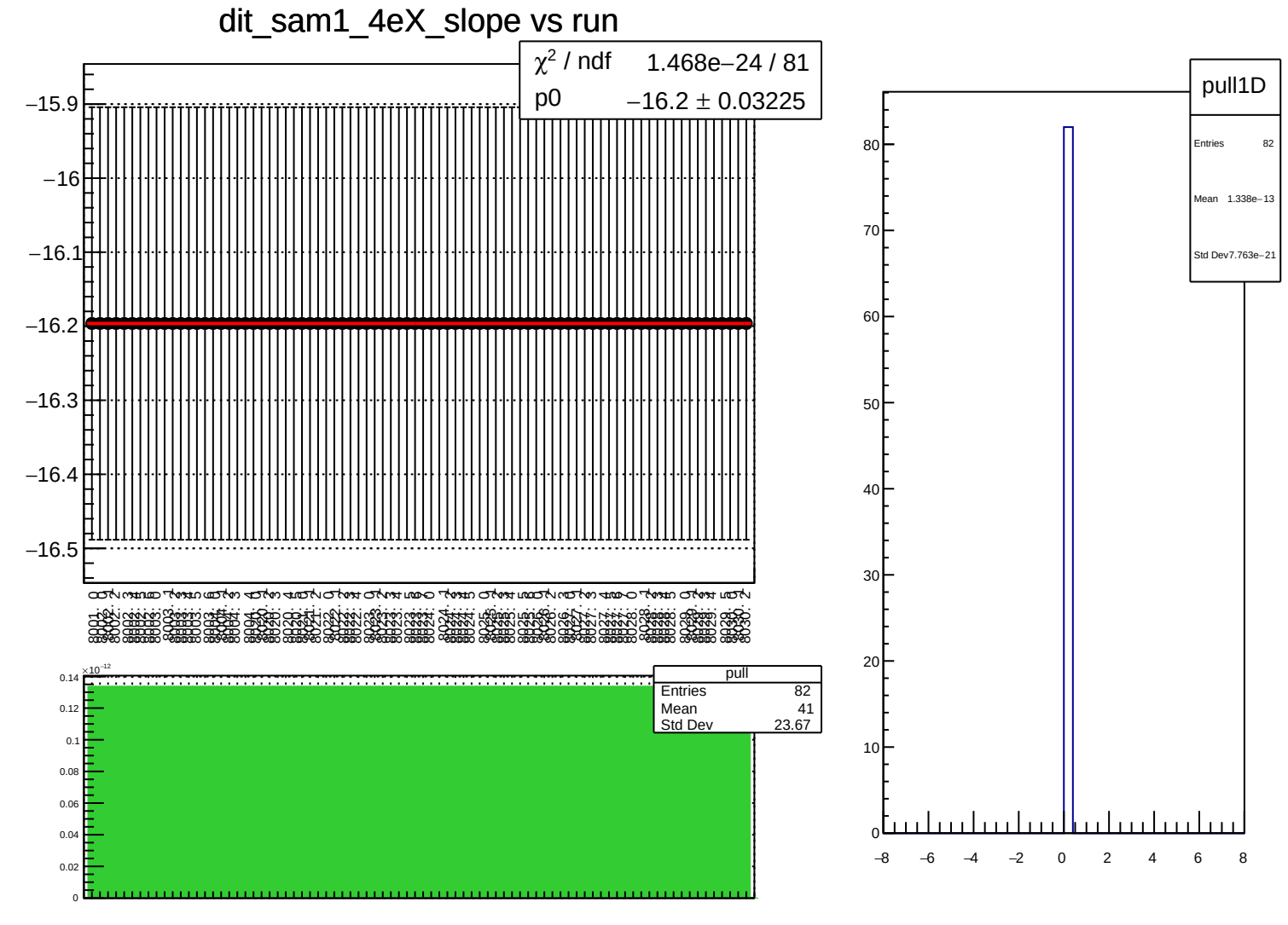

dit_atr2_4aY_slope vs run
χ² / ndf 5.043e−27 / 81
p0 −46.33 ± 0.8005
−38
−40
−42
−44
−46
−48
−50
−52
−54
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

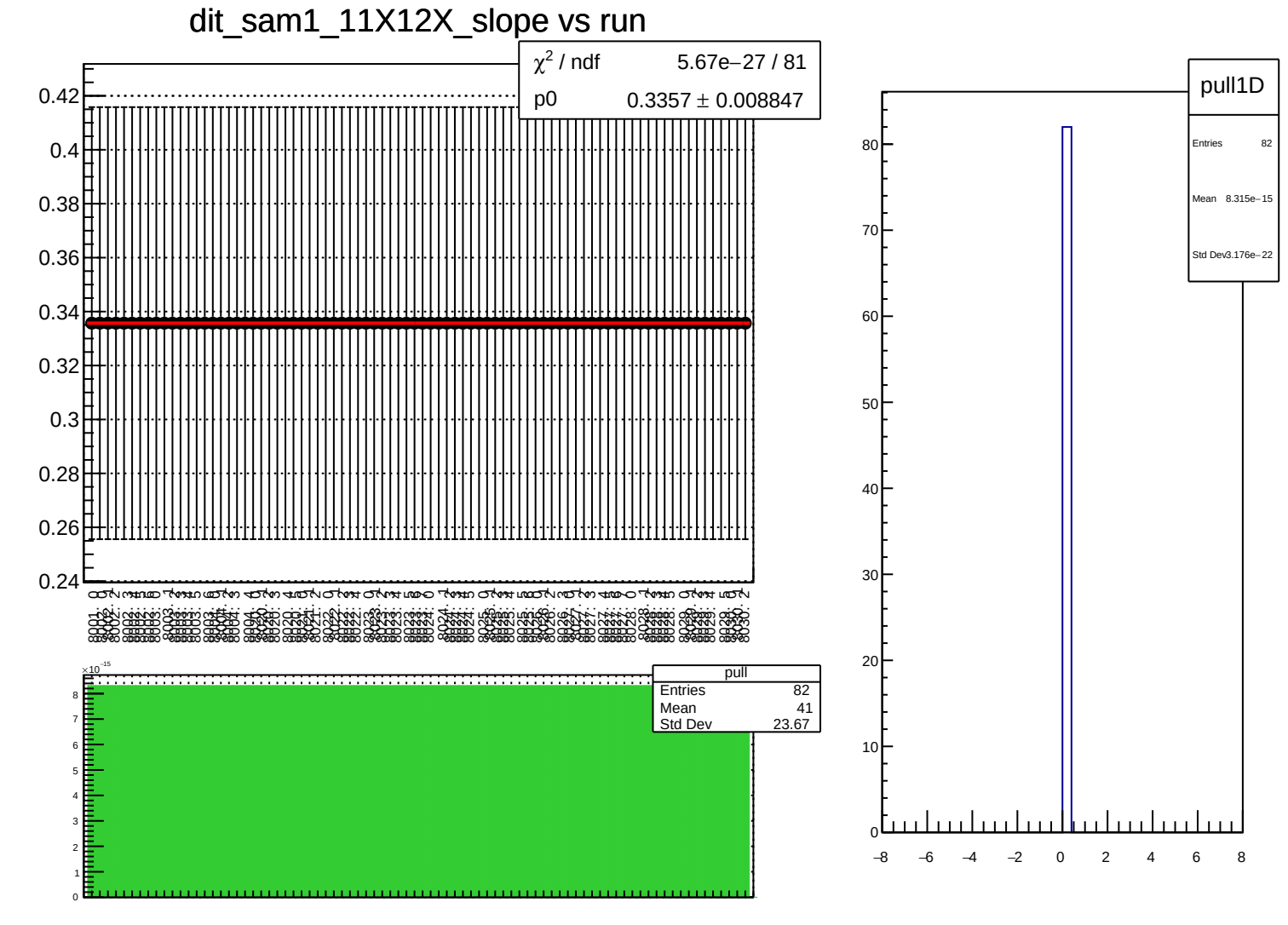

pull1D
Entries 82
Mean 7.842e−15
Std Dev 4.852e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

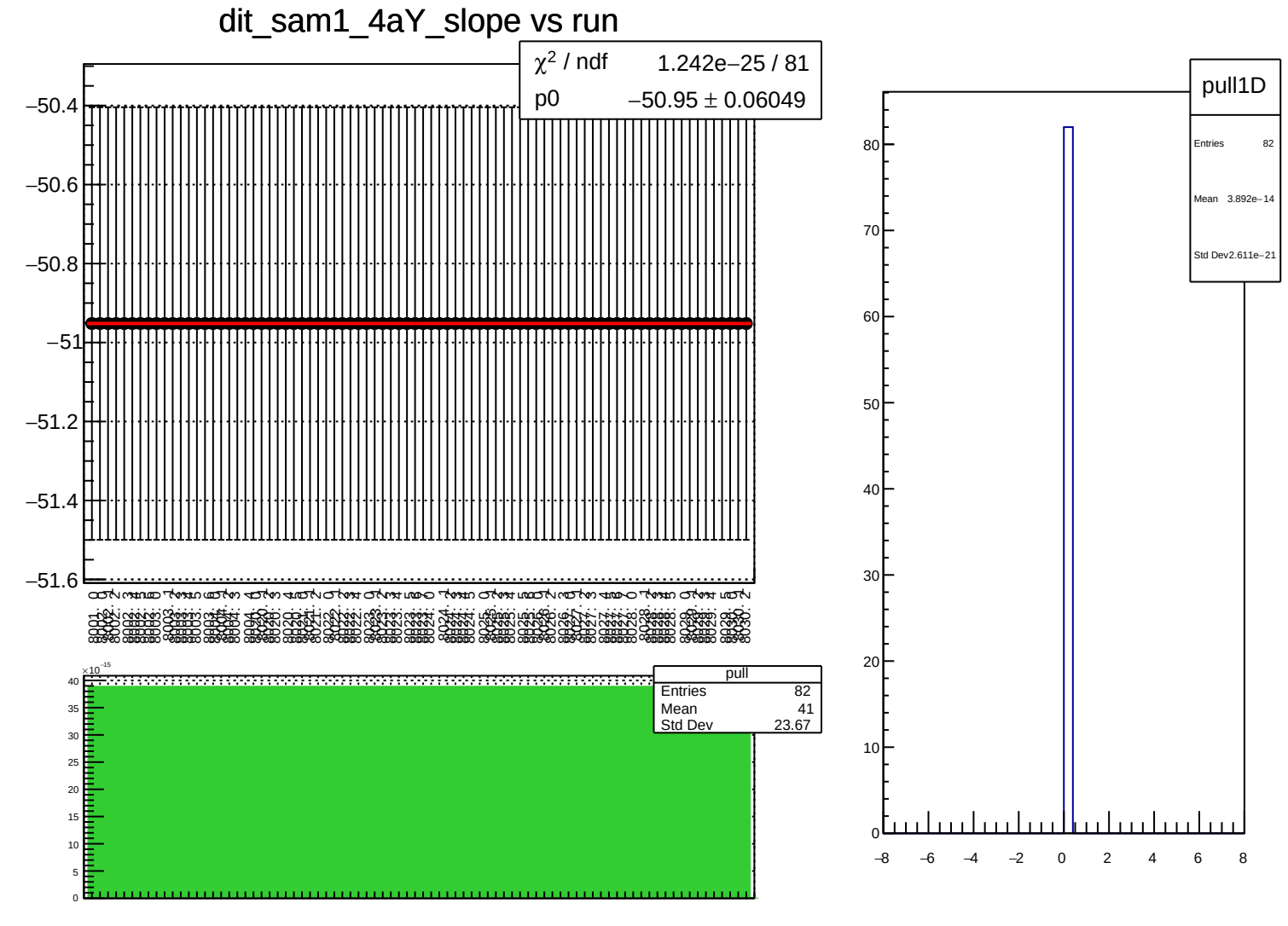

dit_atr2_4eY_slope vs run
χ² / ndf 7.652e−26 / 81
p0 184.6 ± 0.822
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.055e−14
Std Dev 1.64e−21

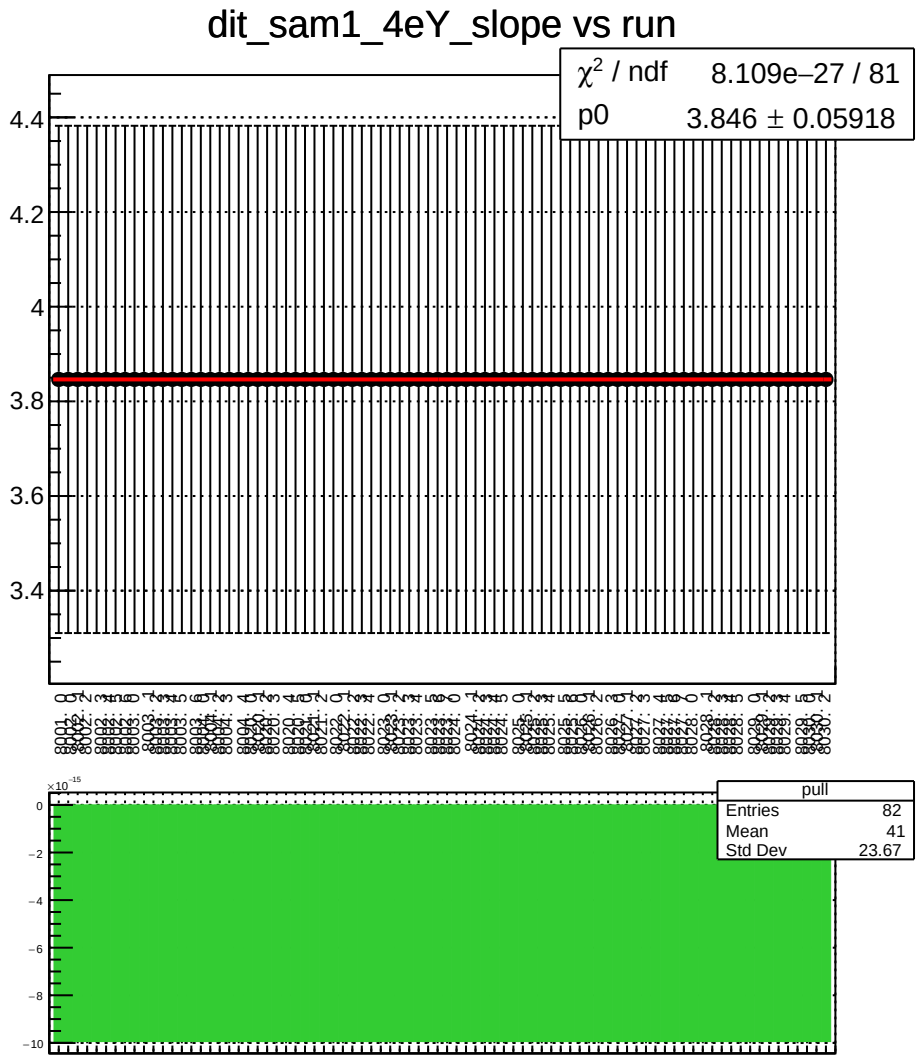

dit_sam1_4aX_slope vs run
χ² / ndf 2.881e−28 / 81
p0 0.4687 ± 0.04251
pull
Entries 82
Mean 41
Std Dev 23.67

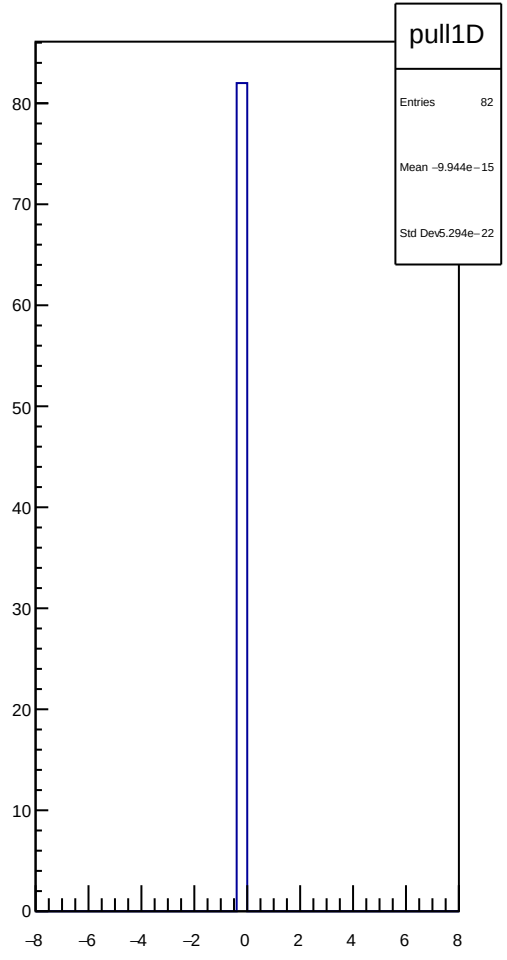

pull1D
Entries 82
Mean −1.875e−15
Std Dev 9.904e−23

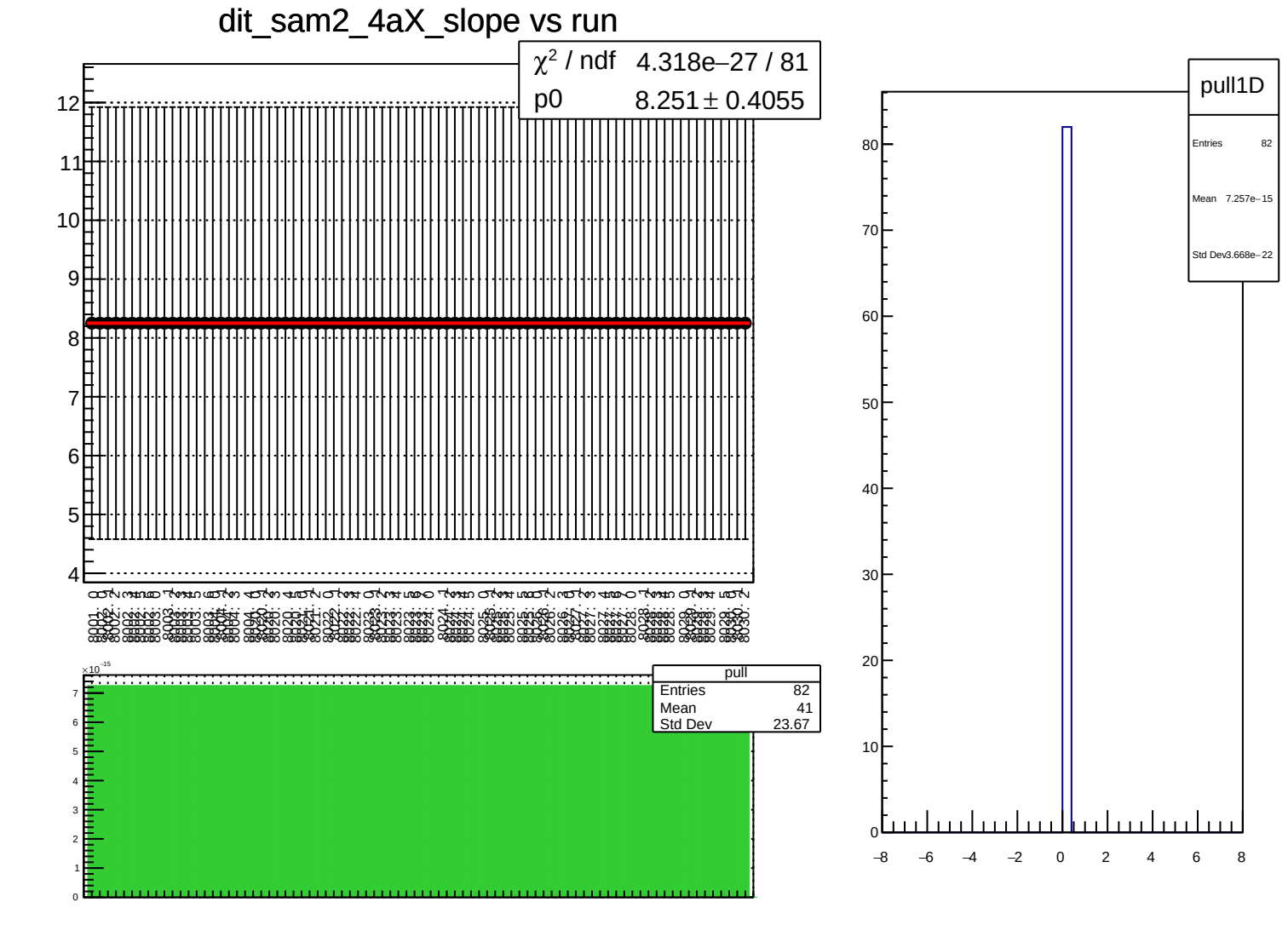

dit_sam1_4eX_slope vs run
χ² / ndf 1.468e−24 / 81
p0 −16.2 ± 0.03225
−15.9
−16
−16.1
−16.2
−16.3
−16.4
−16.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 82
Mean 1.338e−13
Std Dev7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

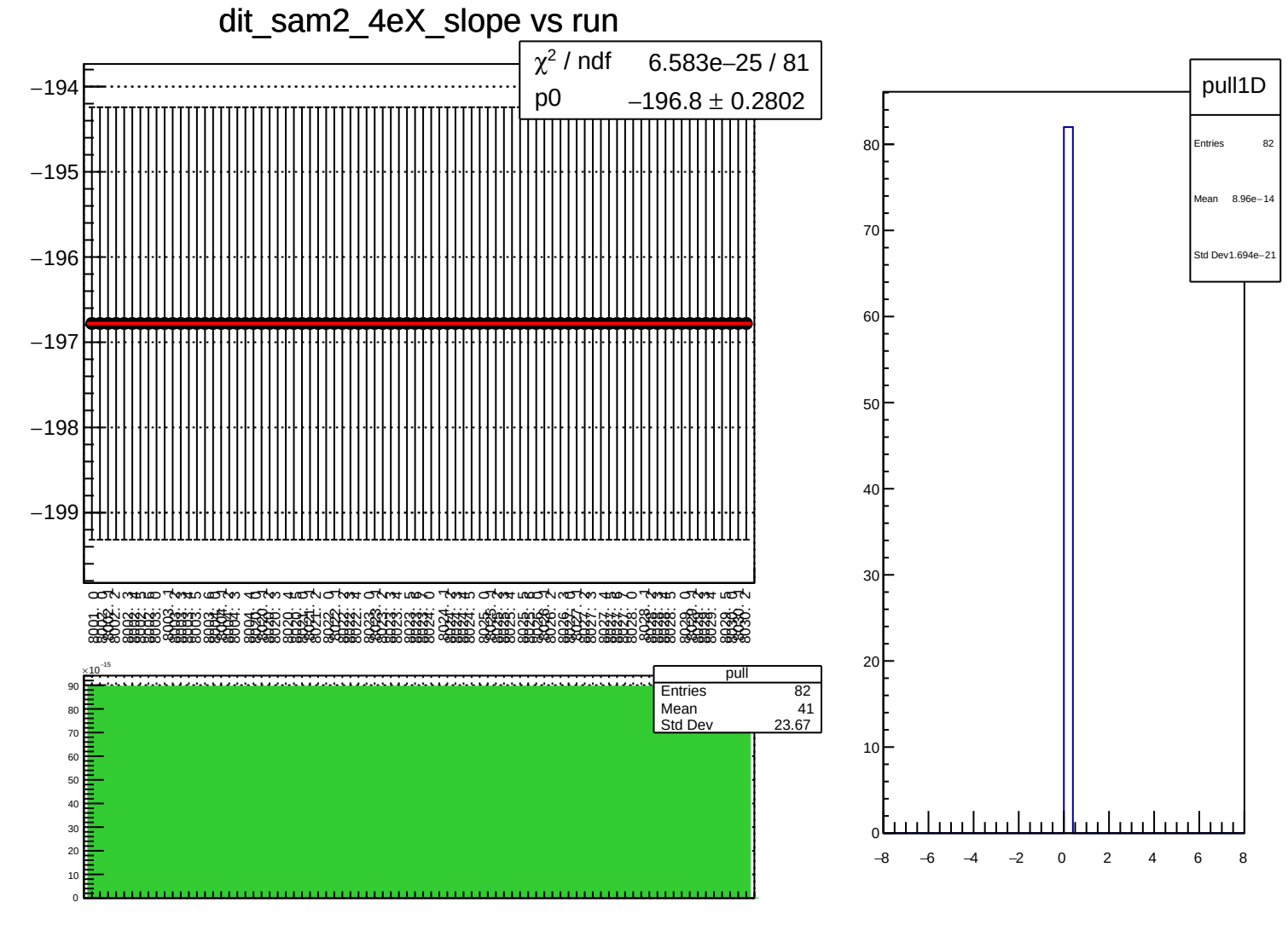

dit_sam1_11X12X_slope vs run
χ² / ndf 5.67e−27 / 81
p0 0.3357 ± 0.008847
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean 8.315e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

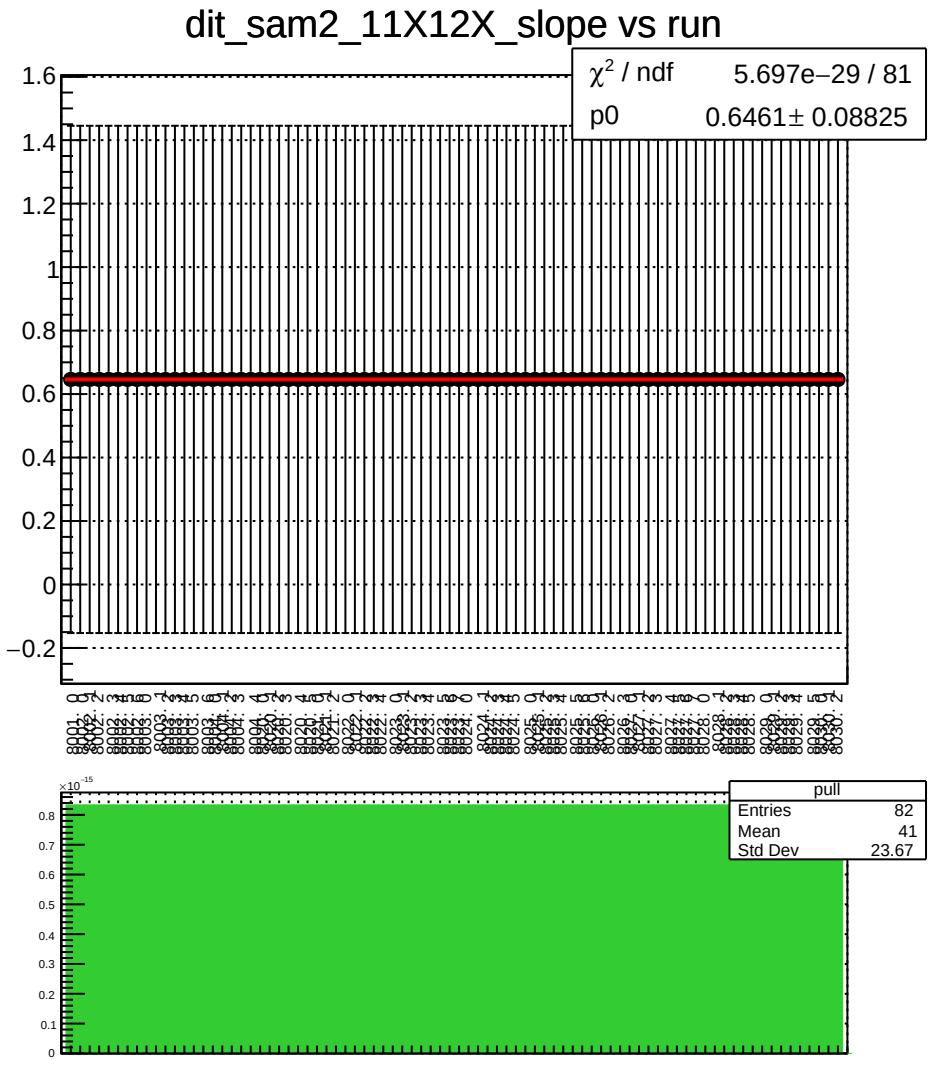

dit_sam1_4aY_slope vs run
χ² / ndf 1.242e−25 / 81
p0 −50.95 ± 0.06049
−50.4
−50.6
−50.8
−51
−51.2
−51.4
−51.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 82
Mean 3.892e−14
Std Dev2.611e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

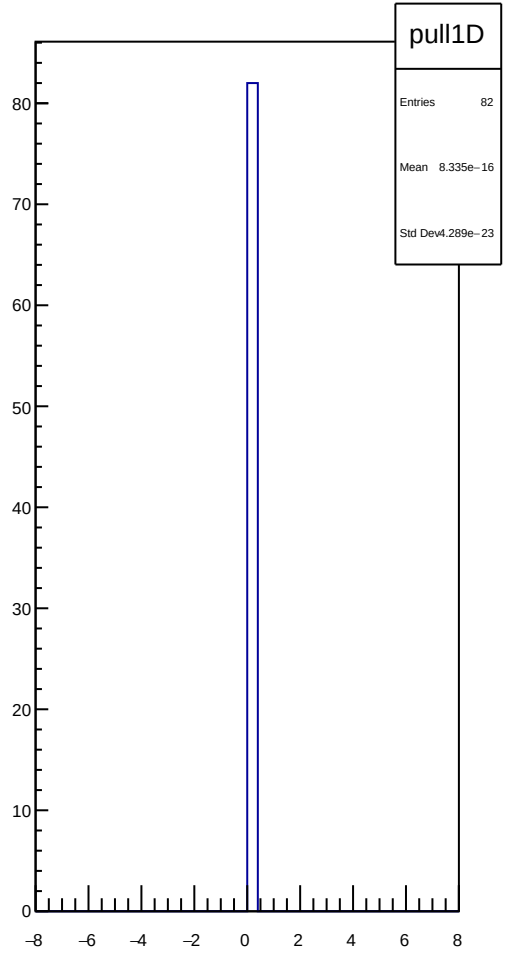

dit_sam1_4eY_slope vs run
χ² / ndf 8.109e−27 / 81
p0 3.846 ± 0.05918
4.4
4.2
4
3.8
3.6
3.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10

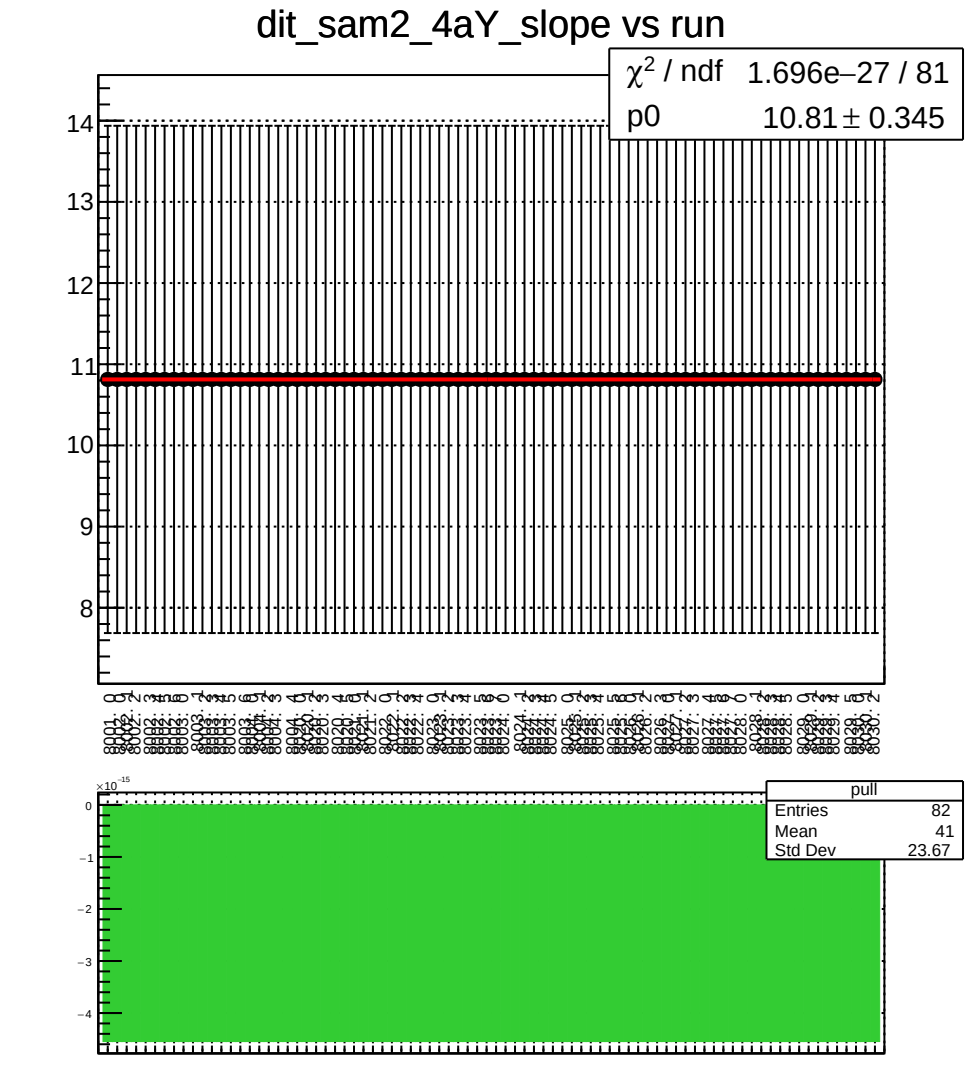

pull1D
Entries 82
Mean −9.944e−15
Std Dev 5.294e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

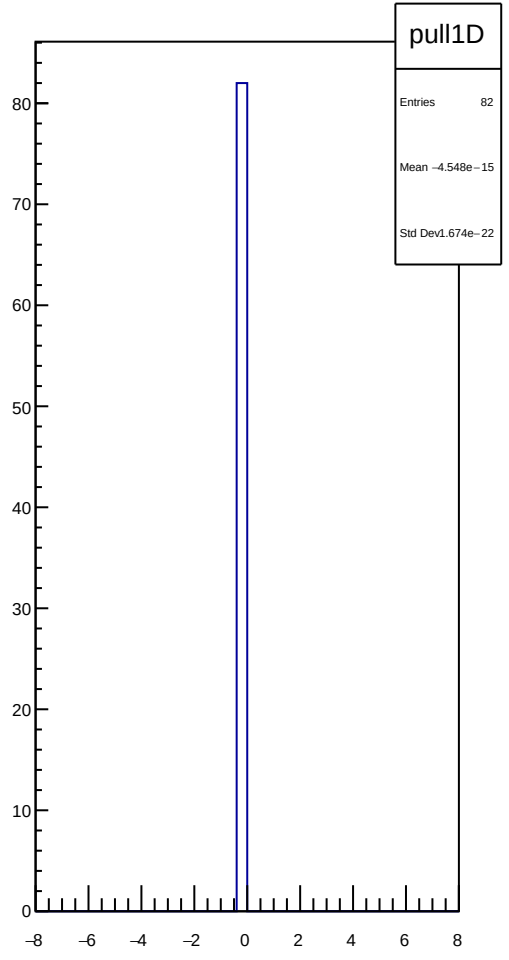

dit_sam2_4aX_slope vs run
χ² / ndf 4.318e−27 / 81
p0 8.251 ± 0.4055
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.257e−15
Std Dev 3.668e−22

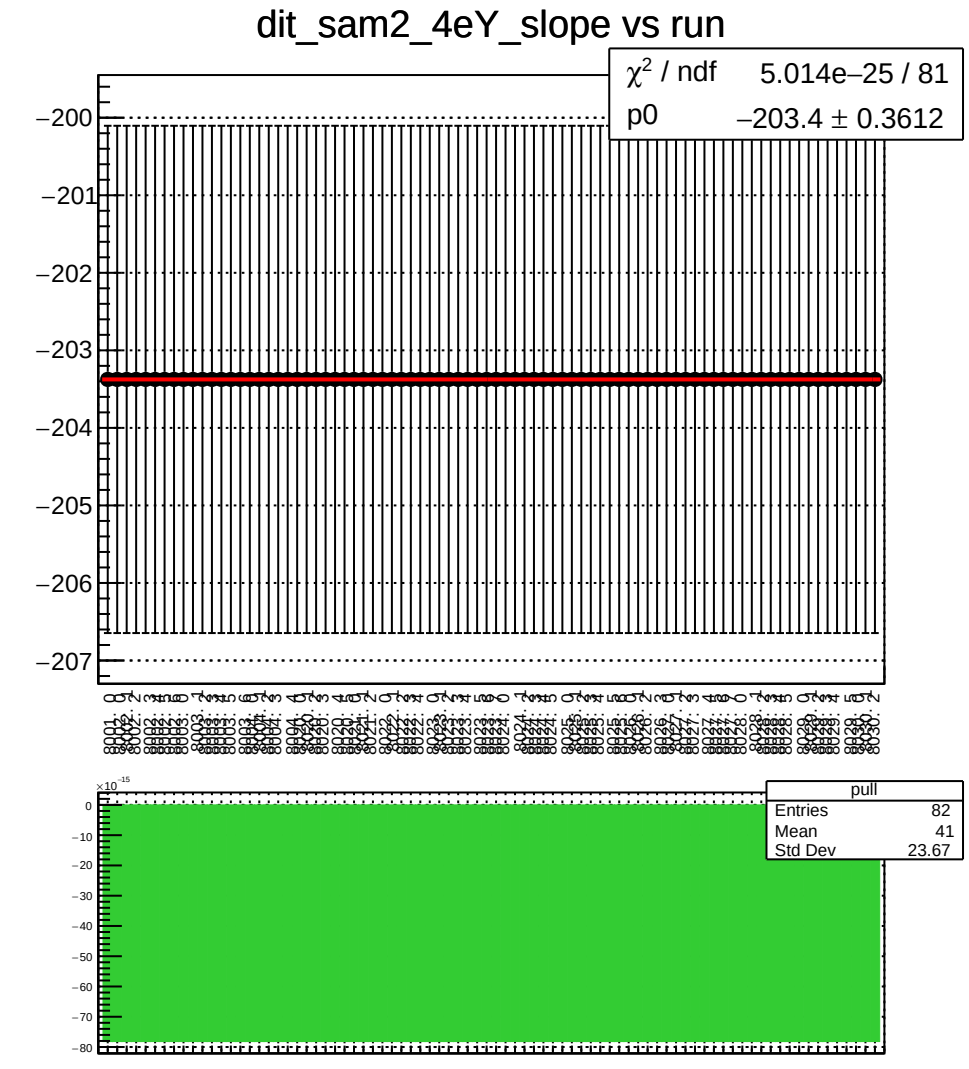

dit_sam2_4eX_slope vs run
χ² / ndf 6.583e−25 / 81
p0 −196.8 ± 0.2802
−194
−195
−196
−197
−198
−199
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean 8.96e−14
Std Dev1.694e−21

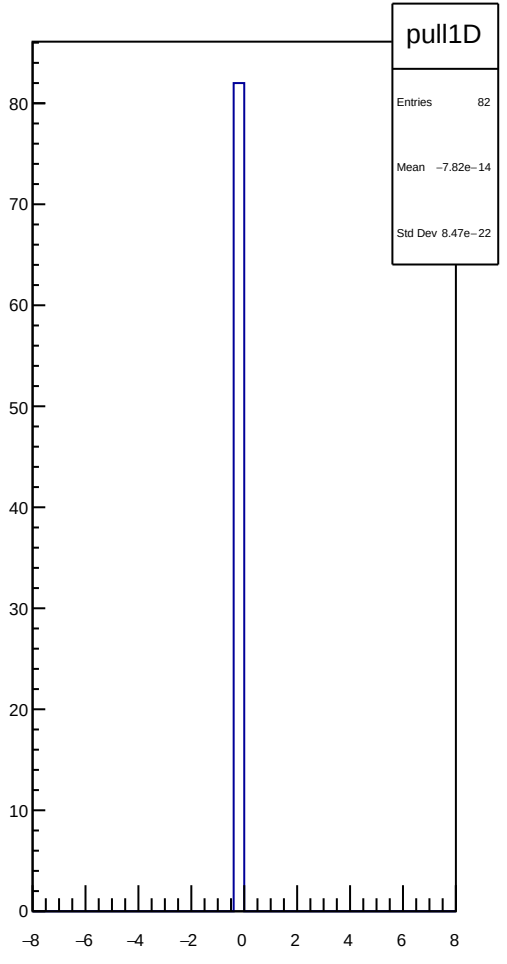

dit_sam2_11X12X_slope vs run
χ² / ndf 5.697e−29 / 81
p0 0.6461± 0.08825
pull
Entries 82
Mean 41
Std Dev 23.67

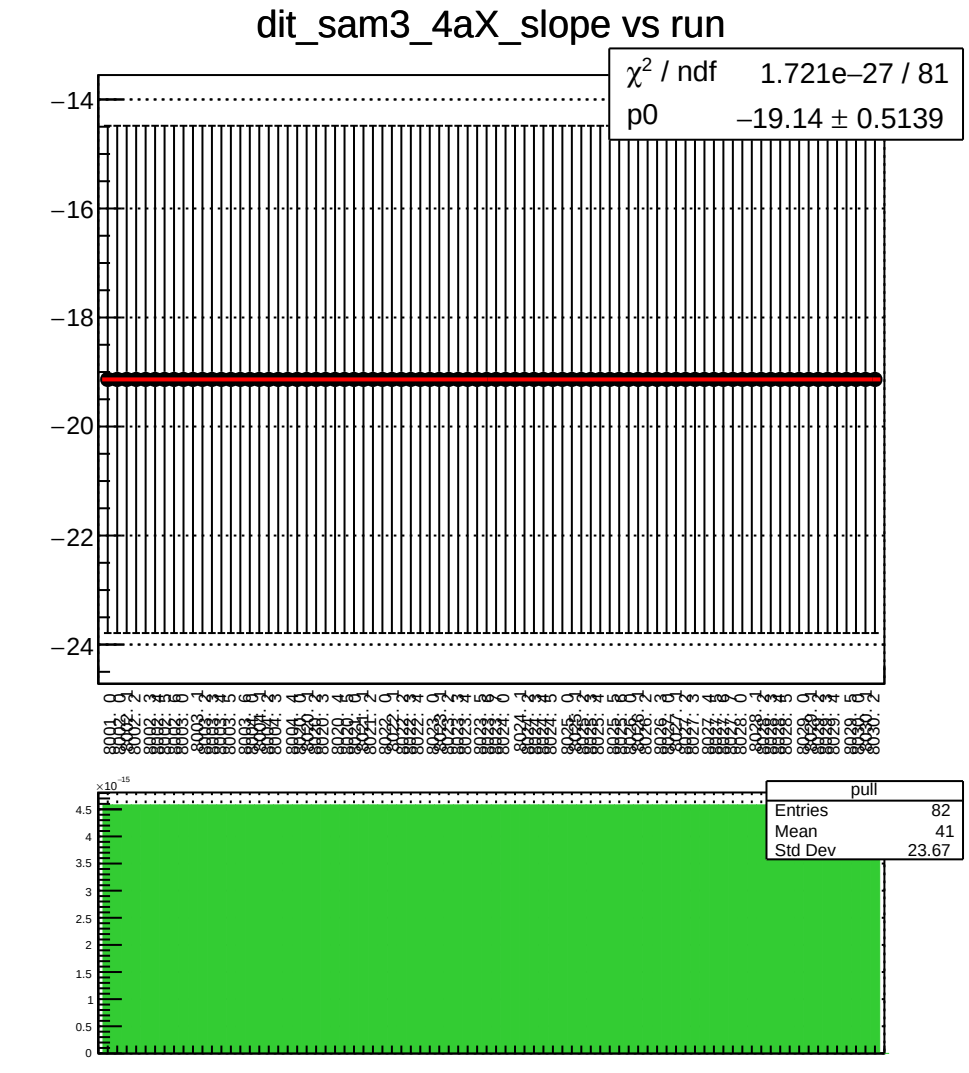

pull1D
Entries 82
Mean 8.335e−16
Std Dev4.289e−23

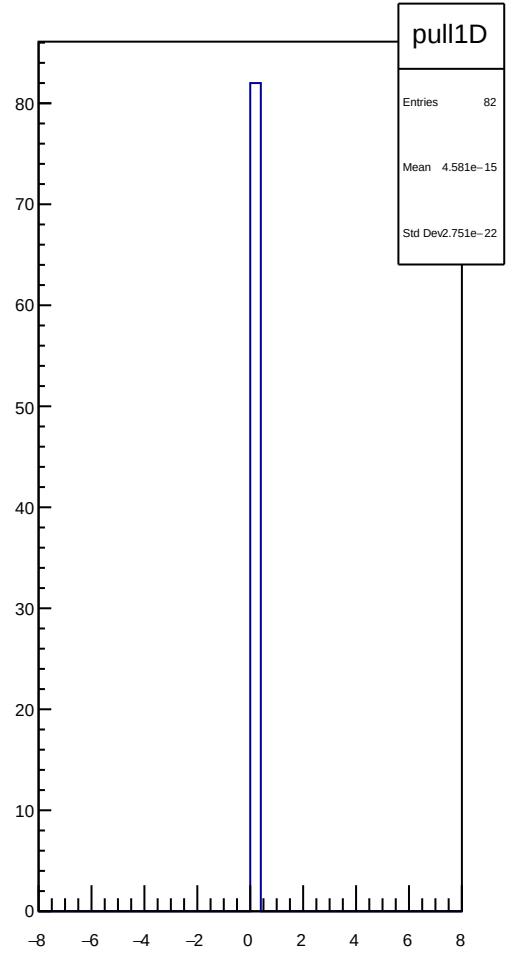

dit_sam2_4aY_slope vs run
χ² / ndf 1.696e−27 / 81
p0 10.81 ± 0.345
pull
Entries 82
Mean 41
Std Dev 23.67

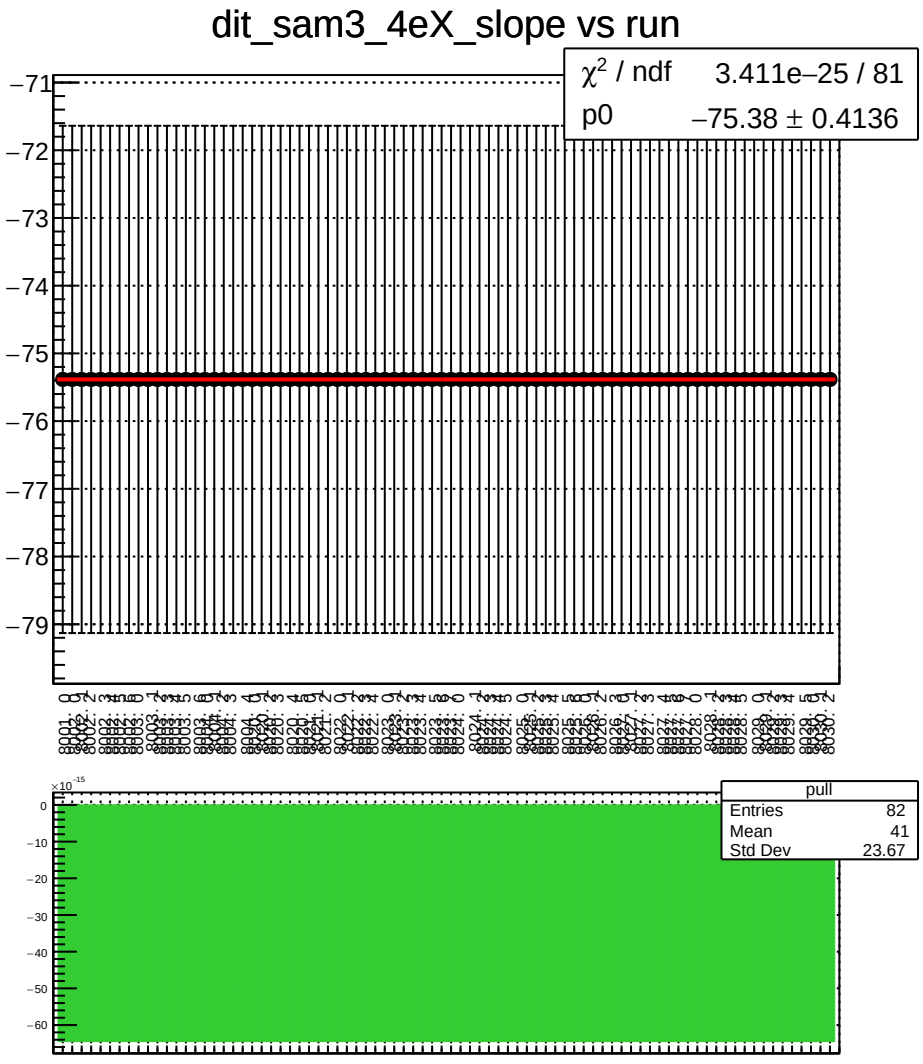

pull1D
Entries 82
Mean −4.548e−15
Std Dev1.674e−22

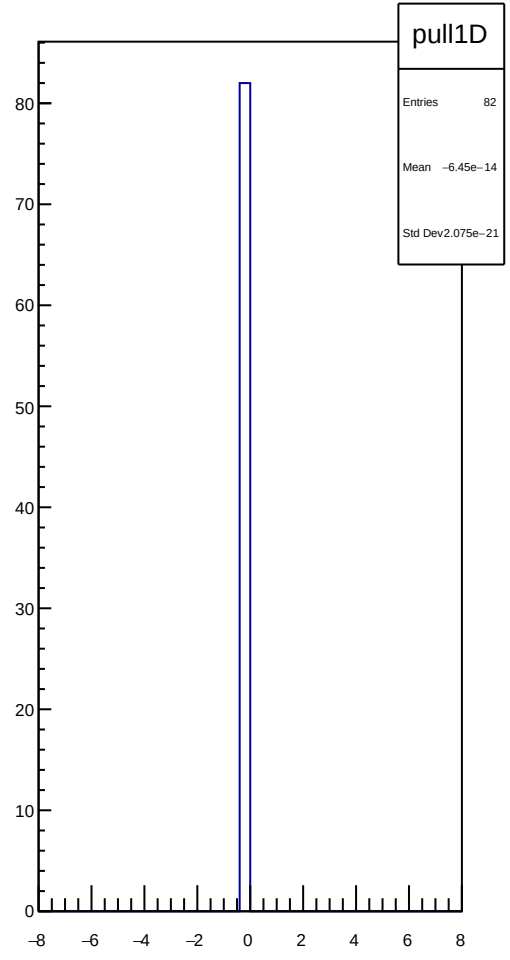

dit_sam2_4eY_slope vs run
χ² / ndf 5.014e−25 / 81
p0 −203.4 ± 0.3612
pull
Entries 82
Mean 41
Std Dev 23.67

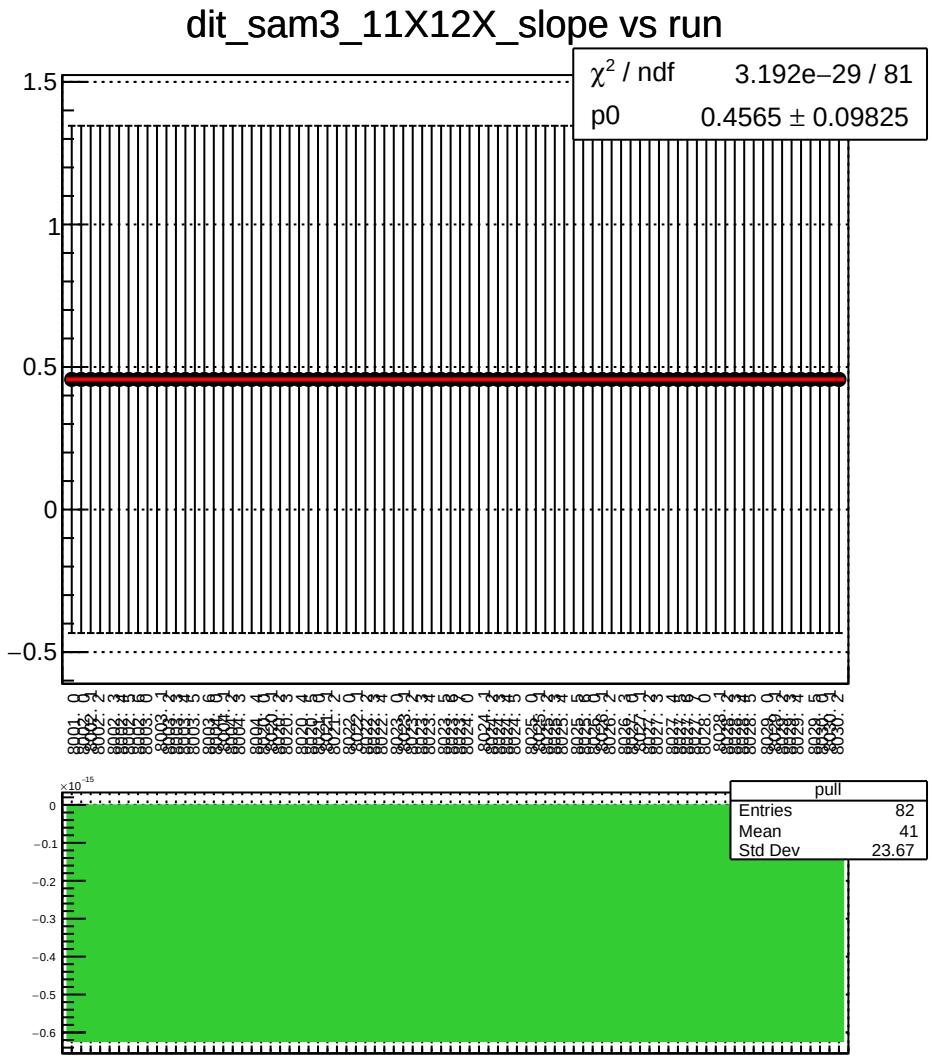

pull1D
Entries 82
Mean −7.82e−14
Std Dev 8.47e−22

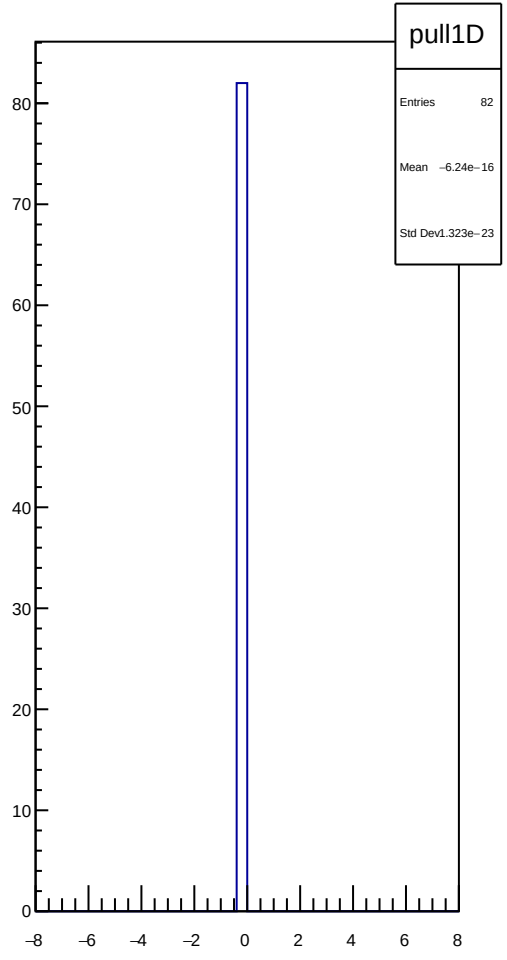

dit_sam3_4aX_slope vs run
χ² / ndf 1.721e−27 / 81
p0 −19.14 ± 0.5139
−14
−16
−18
−20
−22
−24
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

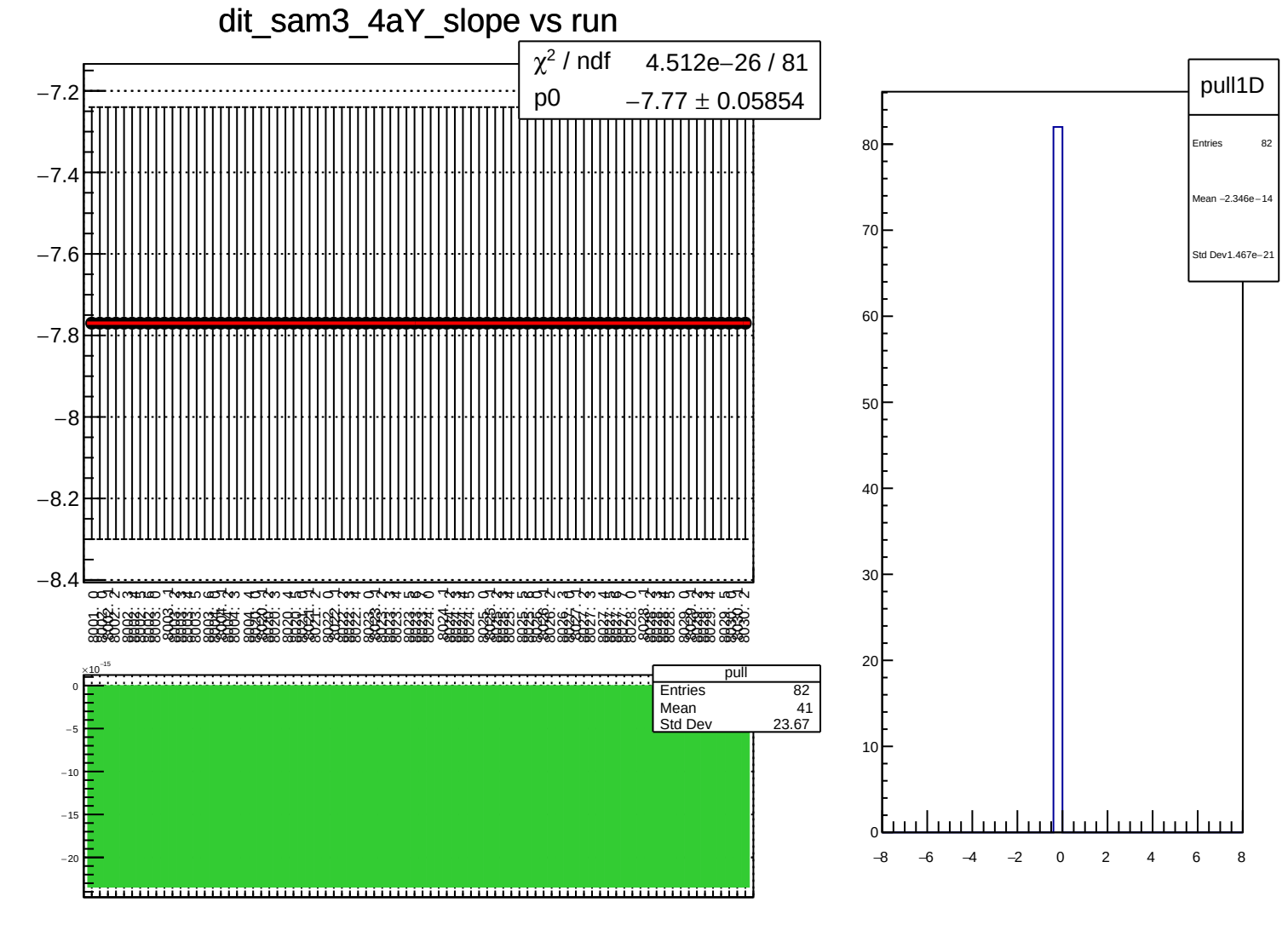

pull1D
Entries 82
Mean 4.581e−15
Std Dev 2.751e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

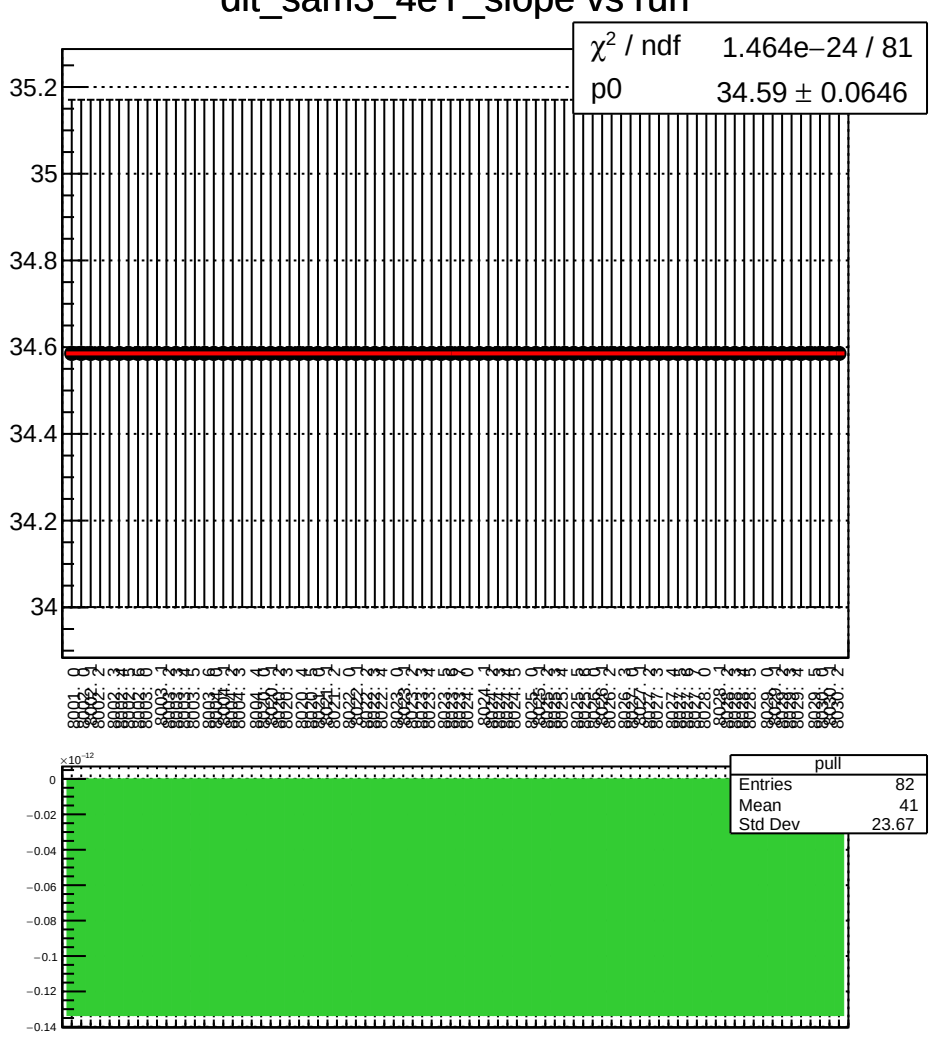

dit_sam3_4eX_slope vs run
χ² / ndf 3.411e−25 / 81
p0 −75.38 ± 0.4136
pull
Entries 82
Mean 41
Std Dev 23.67

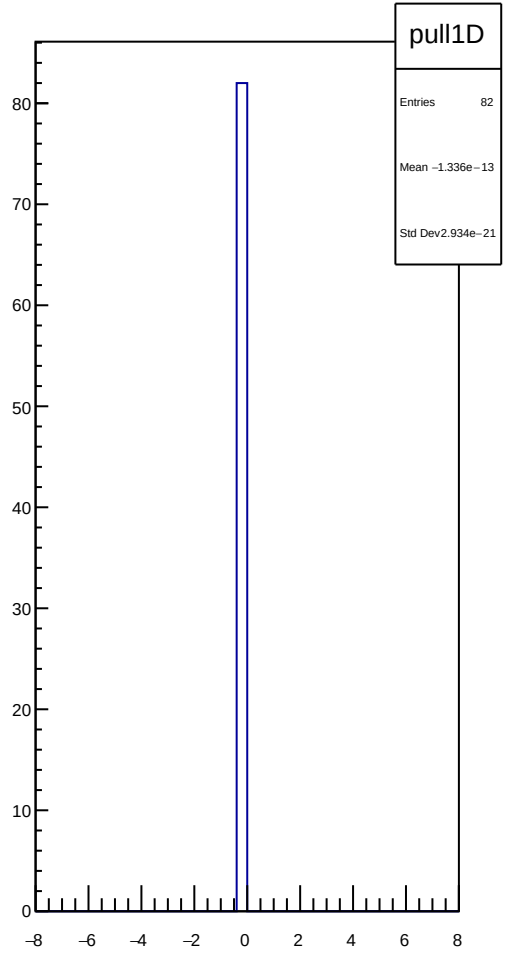

pull1D
Entries 82
Mean −6.45e−14
Std Dev2.075e−21

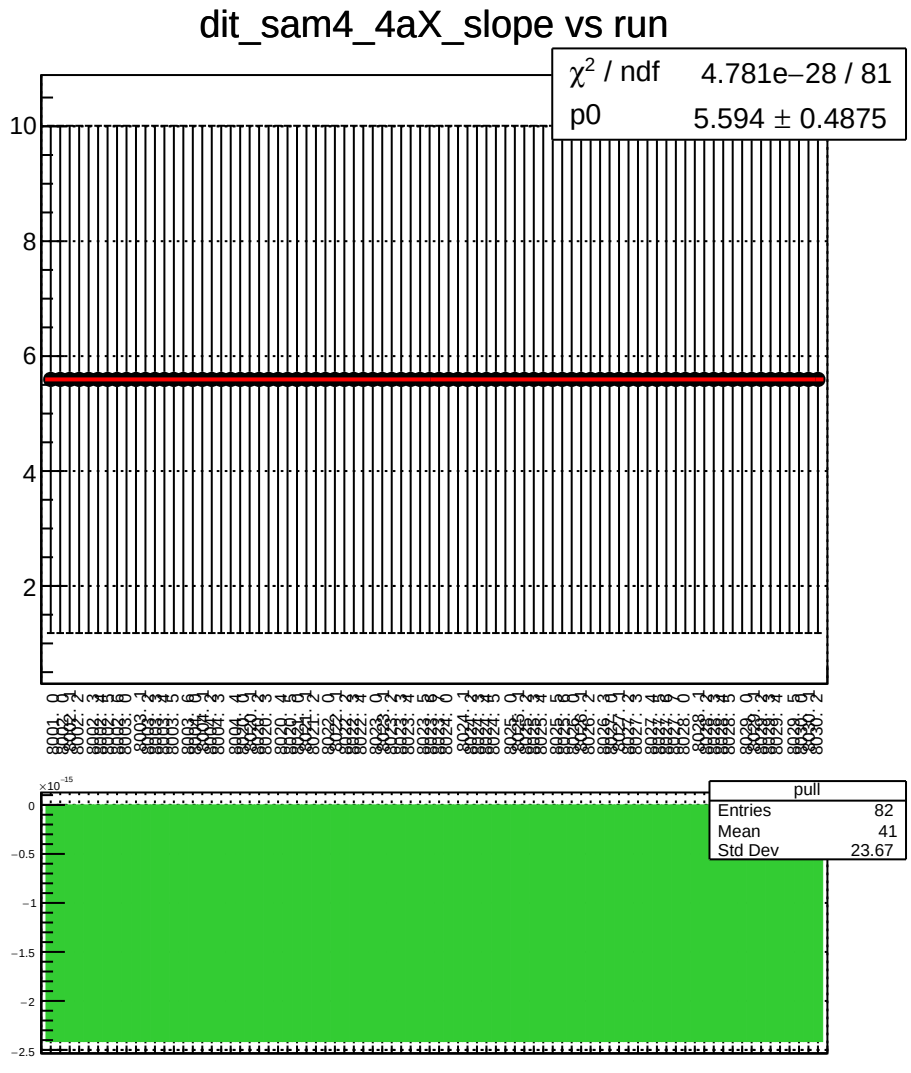

dit_sam3_11X12X_slope vs run
χ² / ndf 3.192e−29 / 81
p0 0.4565 ± 0.09825
1.5
1
0.5
0
−0.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

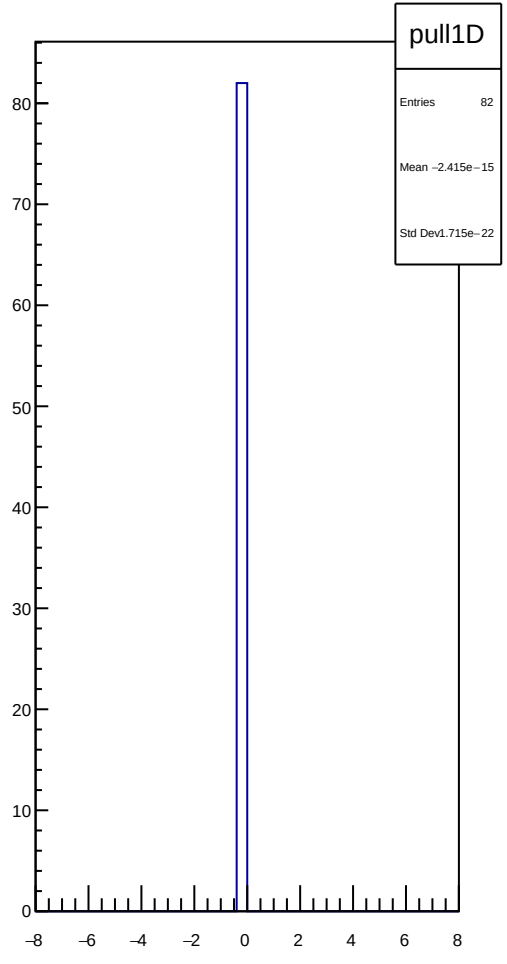

pull1D
Entries 82
Mean −6.24e−16
Std Dev 1.323e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

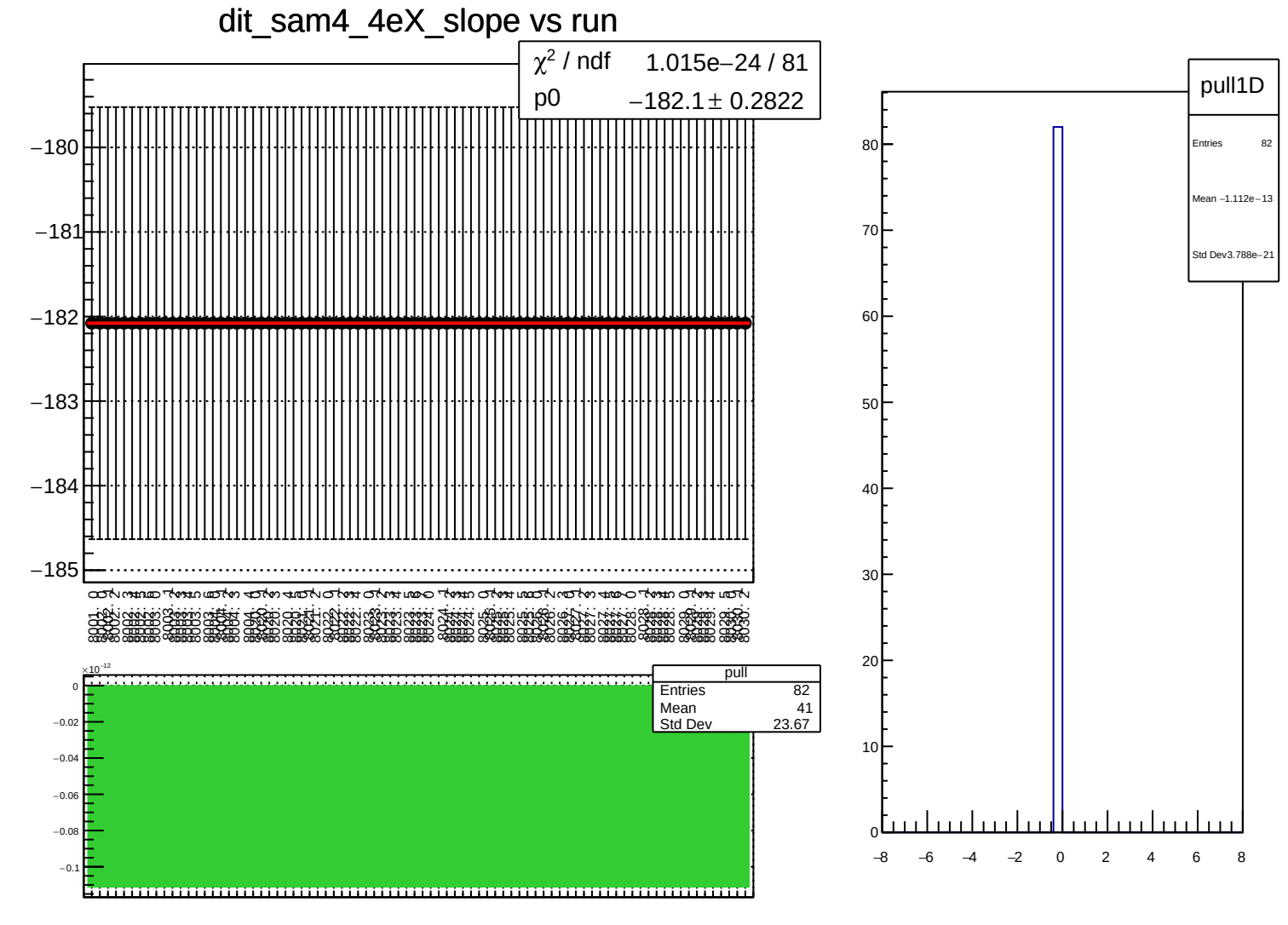

dit_sam3_4aY_slope vs run
χ² / ndf 4.512e−26 / 81
p0 −7.77 ± 0.05854
−7.2
−7.4
−7.6
−7.8
−8
−8.2
−8.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −2.346e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

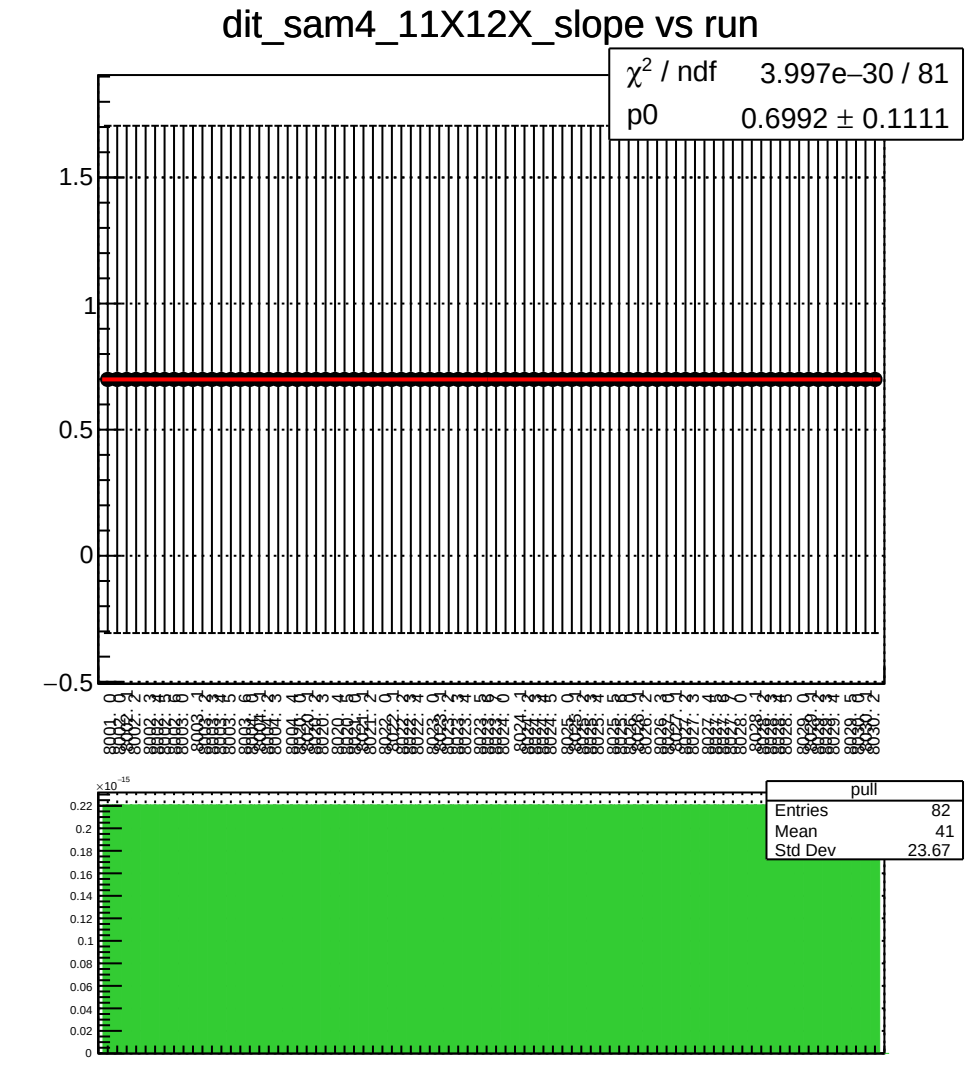

dit_sam3_4eY_slope vs run
χ² / ndf 1.464e−24 / 81
p0 34.59 ± 0.0646
35.2
35
34.8
34.6
34.4
34.2
34
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

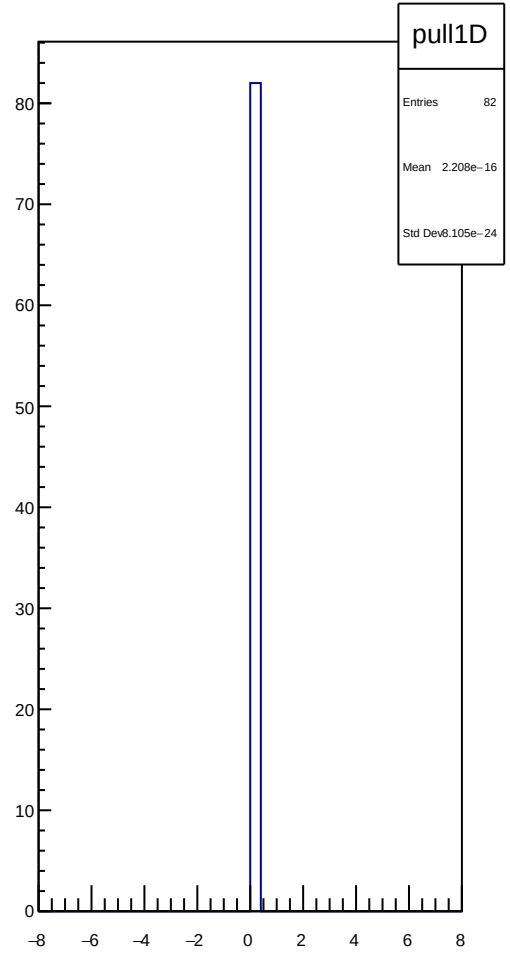

pull1D
Entries 82
Mean −1.336e−13
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

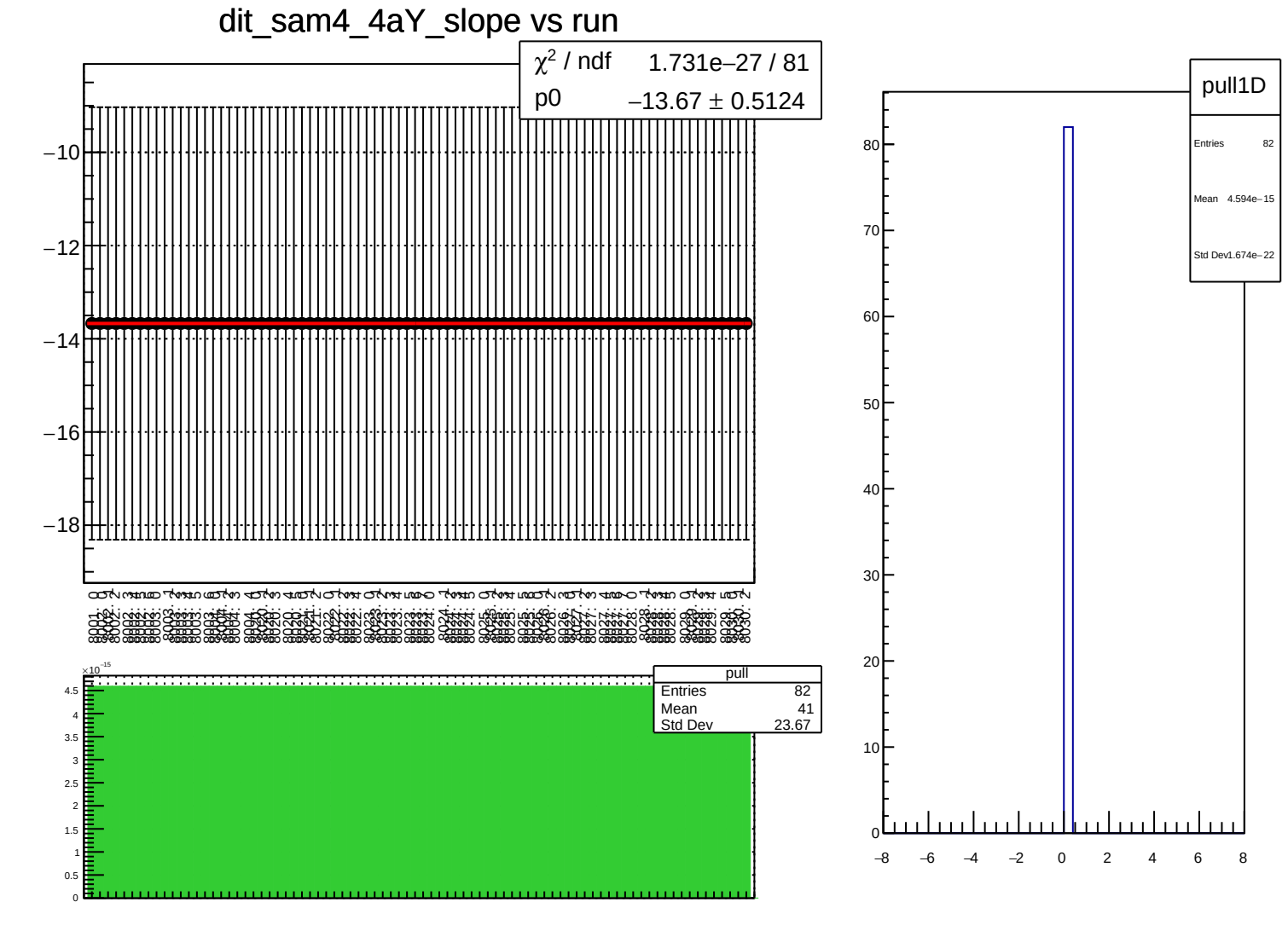

dit_sam4_4aX_slope vs run
χ² / ndf 4.781e−28 / 81
p0 5.594 ± 0.4875
pull
Entries 82
Mean 41
Std Dev 23.67

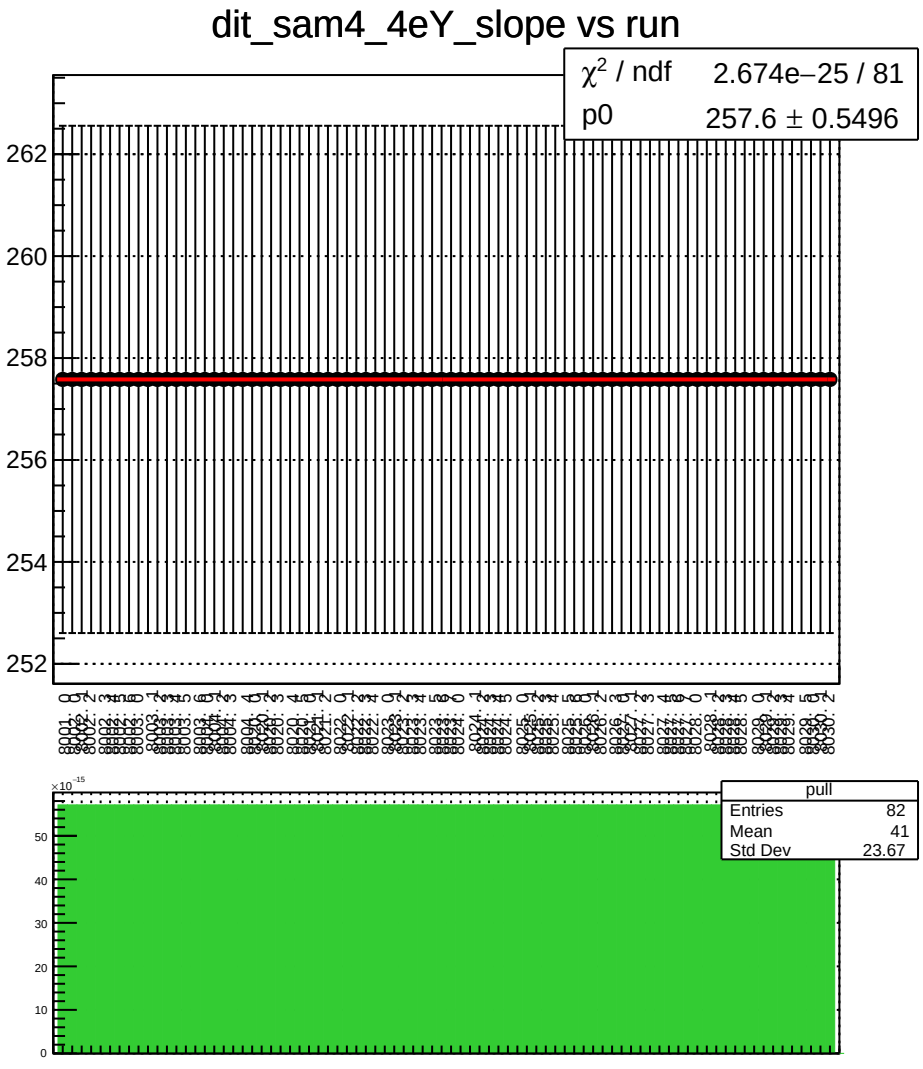

pull1D
Entries 82
Mean −2.415e−15
Std Dev1.715e−22

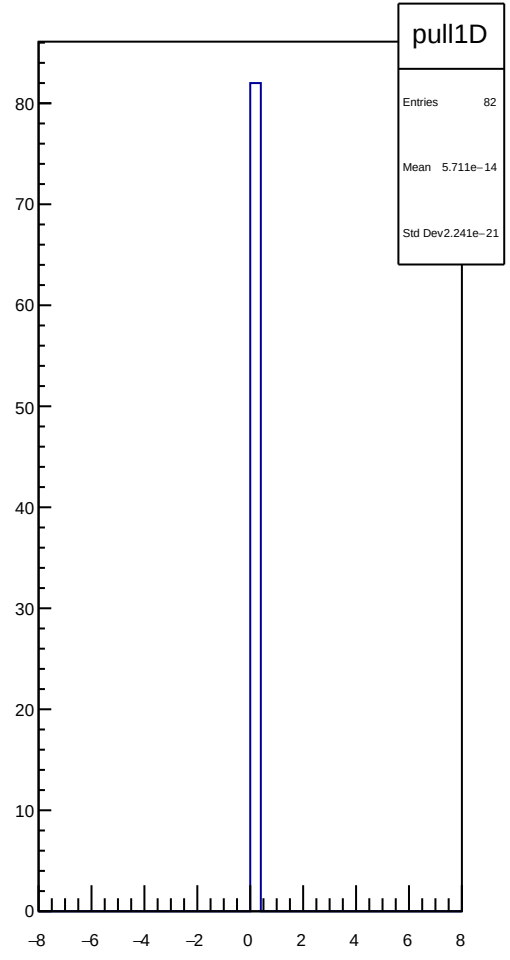

dit_sam4_4eX_slope vs run
χ² / ndf 1.015e−24 / 81
p0 −182.1 ± 0.2822
−180
−181
−182
−183
−184
−185
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.112e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

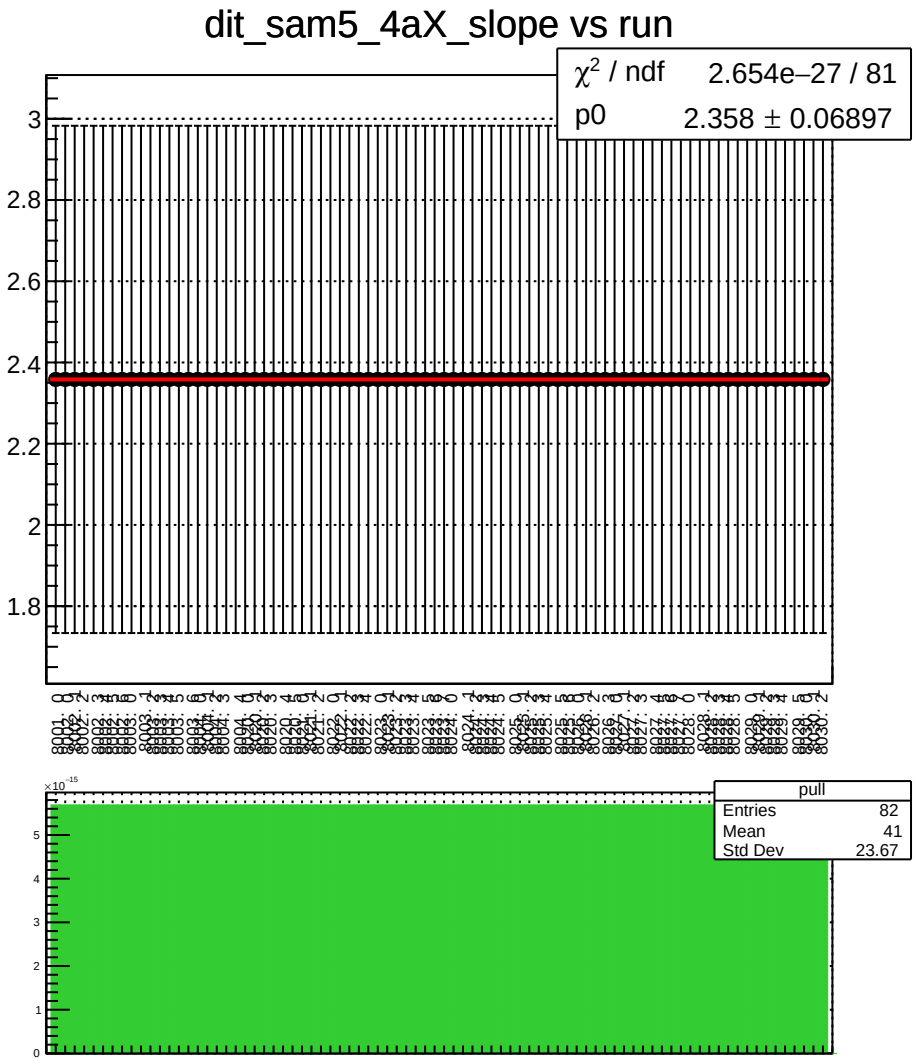

dit_sam4_11X12X_slope vs run
χ² / ndf 3.997e−30 / 81
p0 0.6992 ± 0.1111
1.5
1
0.5
0
−0.5
×10⁻¹⁵
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 82
Mean 41
Std Dev 23.67

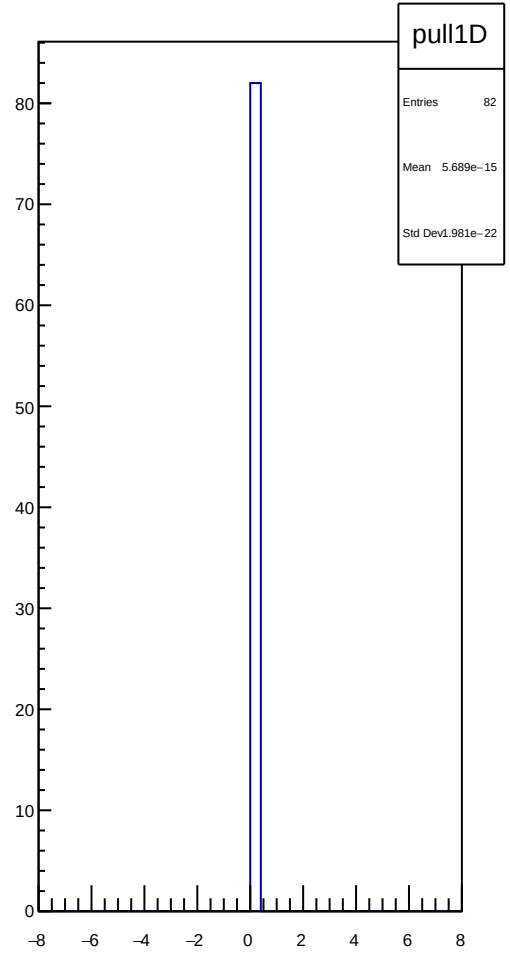

pull1D
Entries 82
Mean 2.208e−16
Std Dev 8.105e−24
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

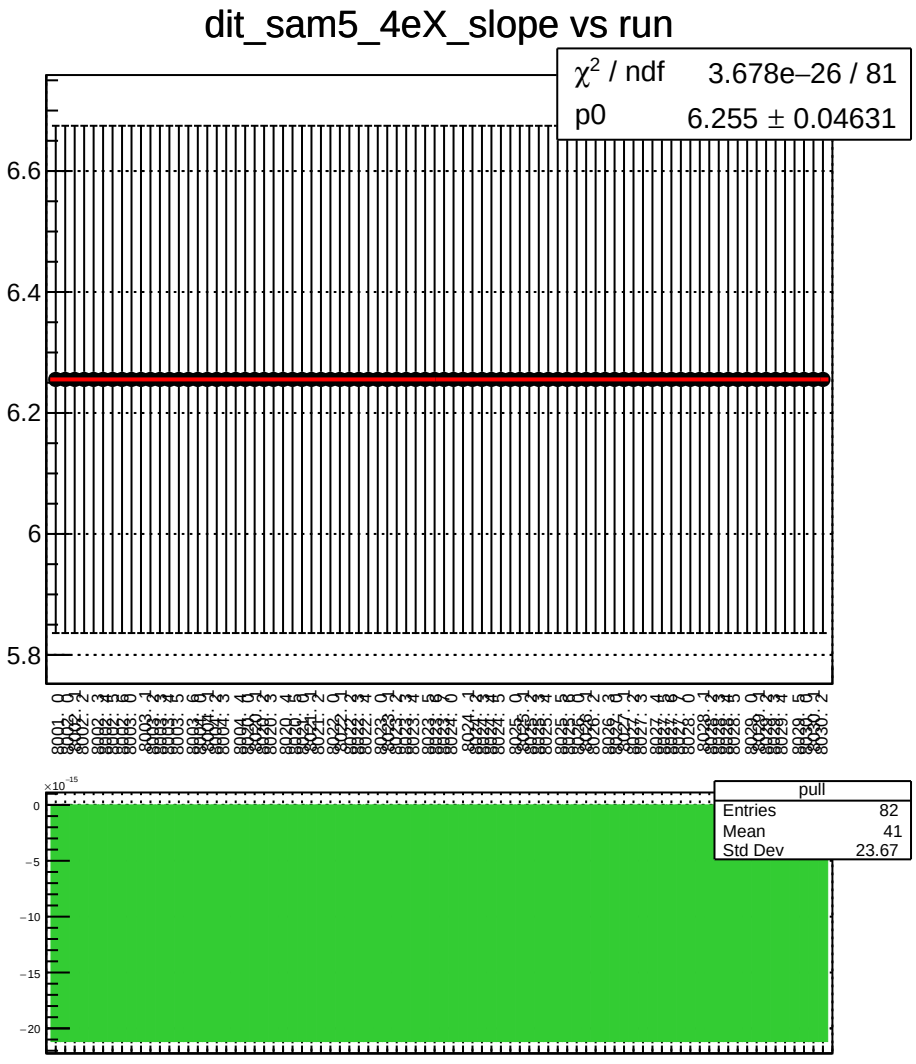

dit_sam4_4aY_slope vs run
χ² / ndf 1.731e−27 / 81
p0 −13.67 ± 0.5124
−10
−12
−14
−16
−18
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 82
Mean 4.594e−15
Std Dev1.674e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

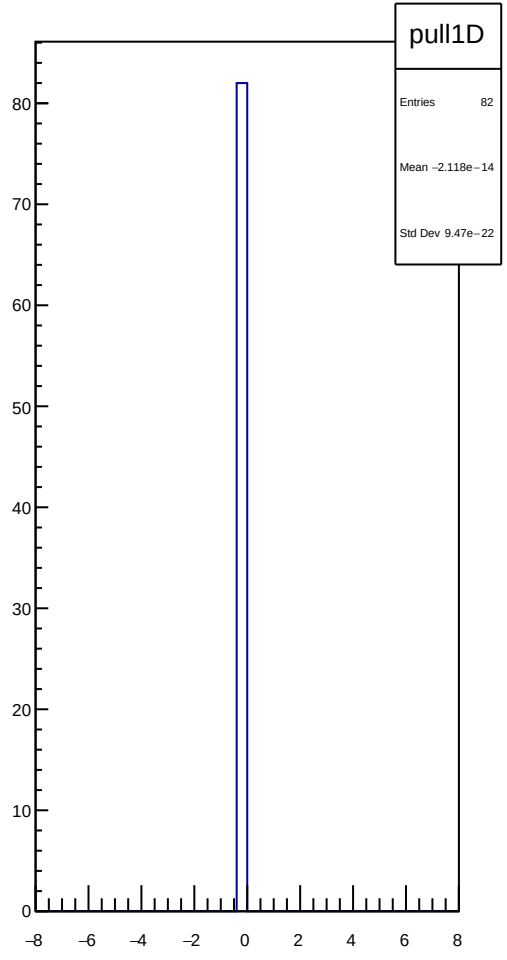

dit_sam4_4eY_slope vs run
χ² / ndf 2.674e−25 / 81
p0 257.6 ± 0.5496
262
260
258
256
254
252
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
50
40
30
20
10
0

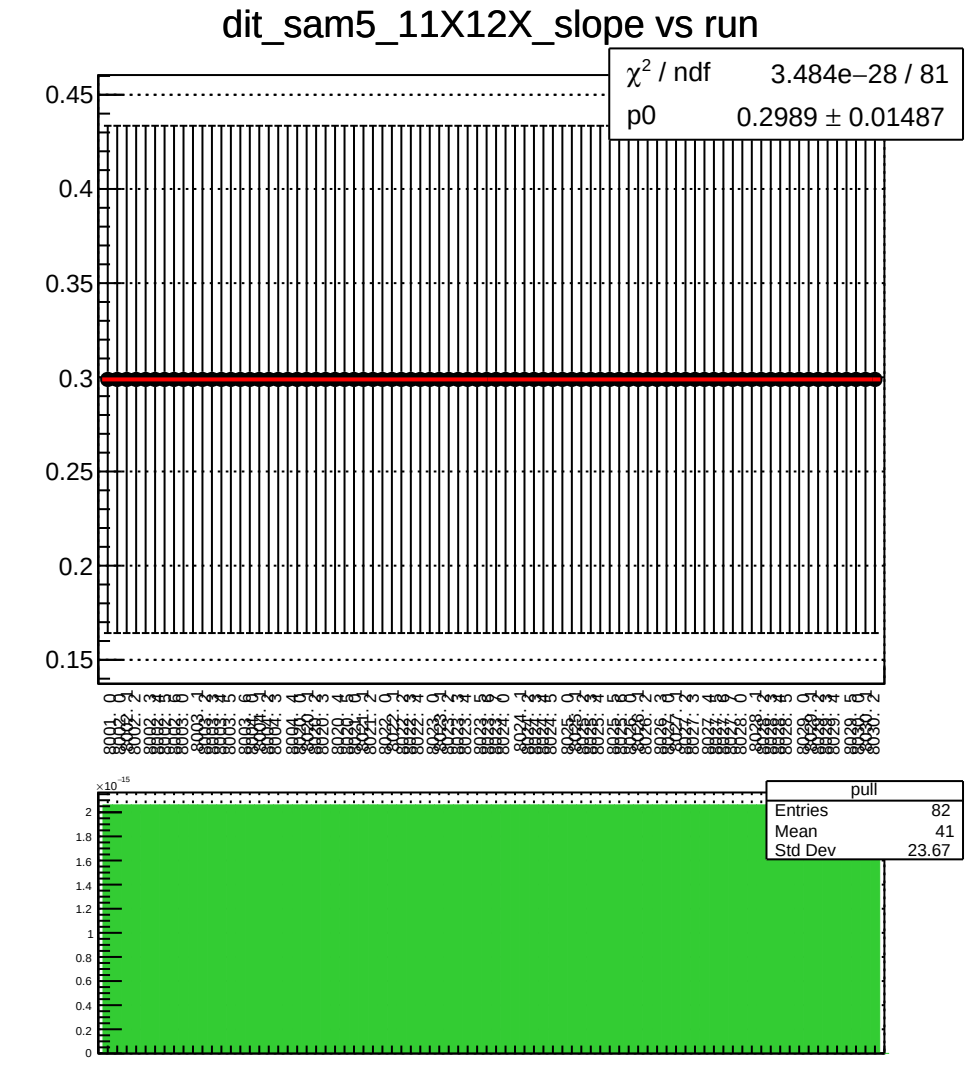

pull1D
Entries 82
Mean 5.711e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

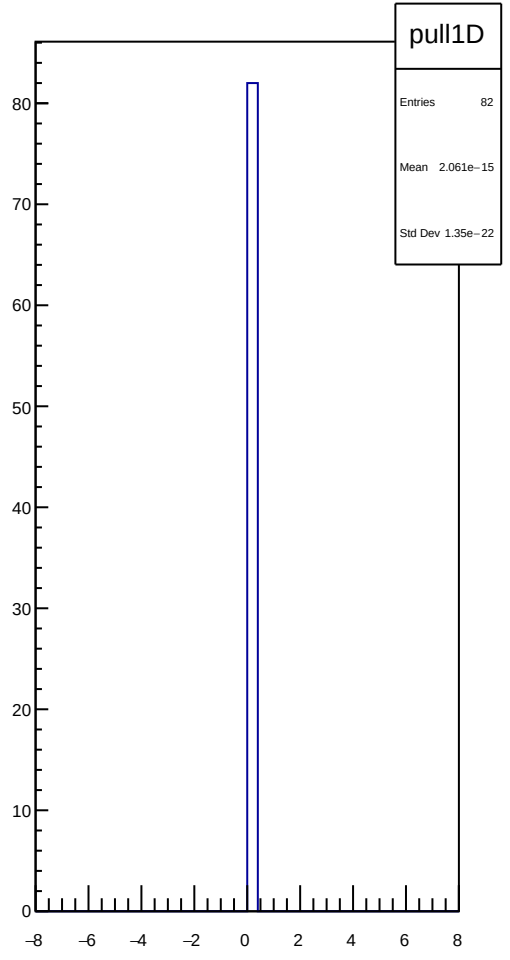

dit_sam5_4aX_slope vs run
χ² / ndf 2.654e−27 / 81
p0 2.358 ± 0.06897
pull
Entries 82
Mean 41
Std Dev 23.67

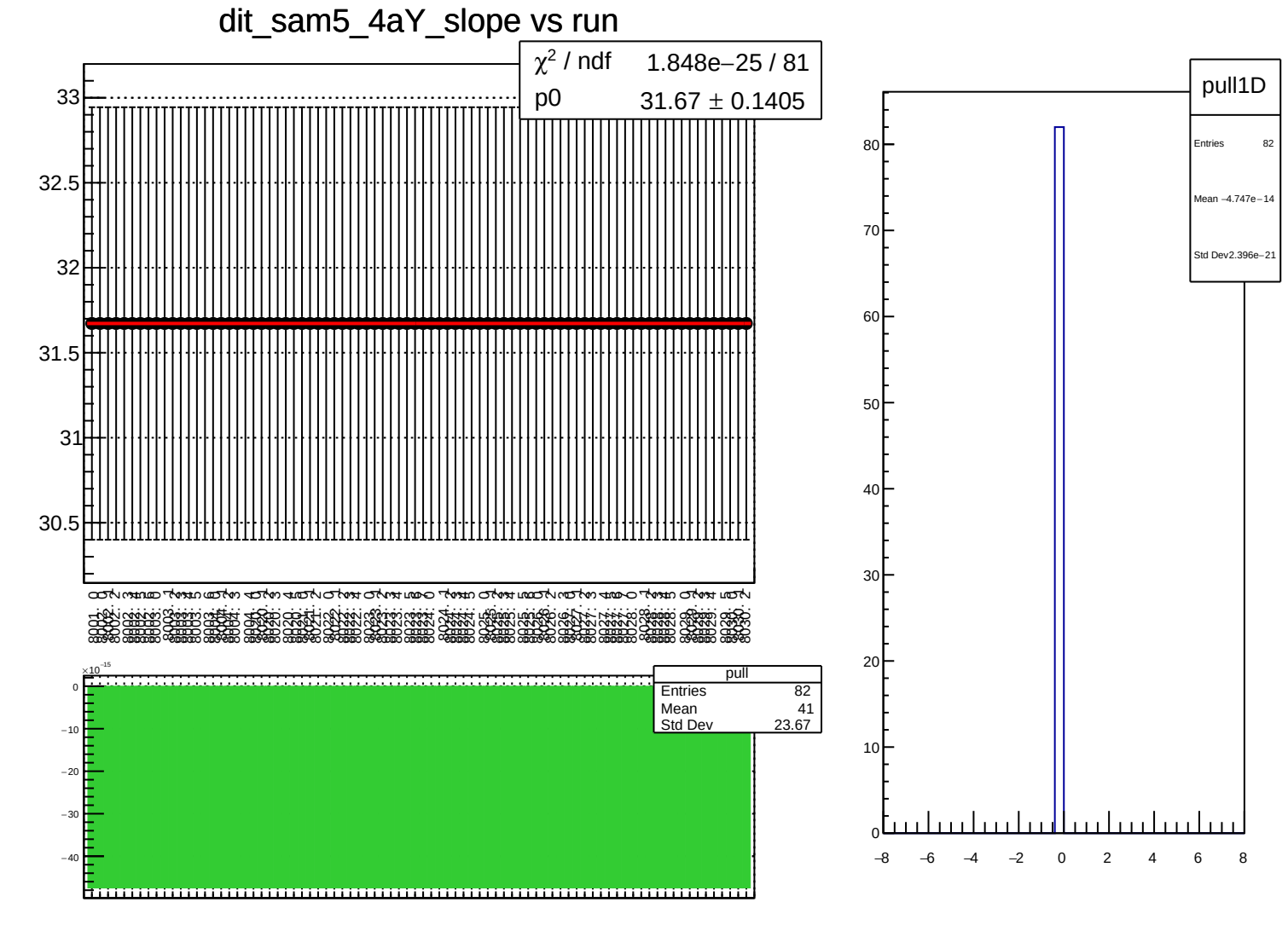

pull1D
Entries 82
Mean 5.689e−15
Std Dev1.981e−22

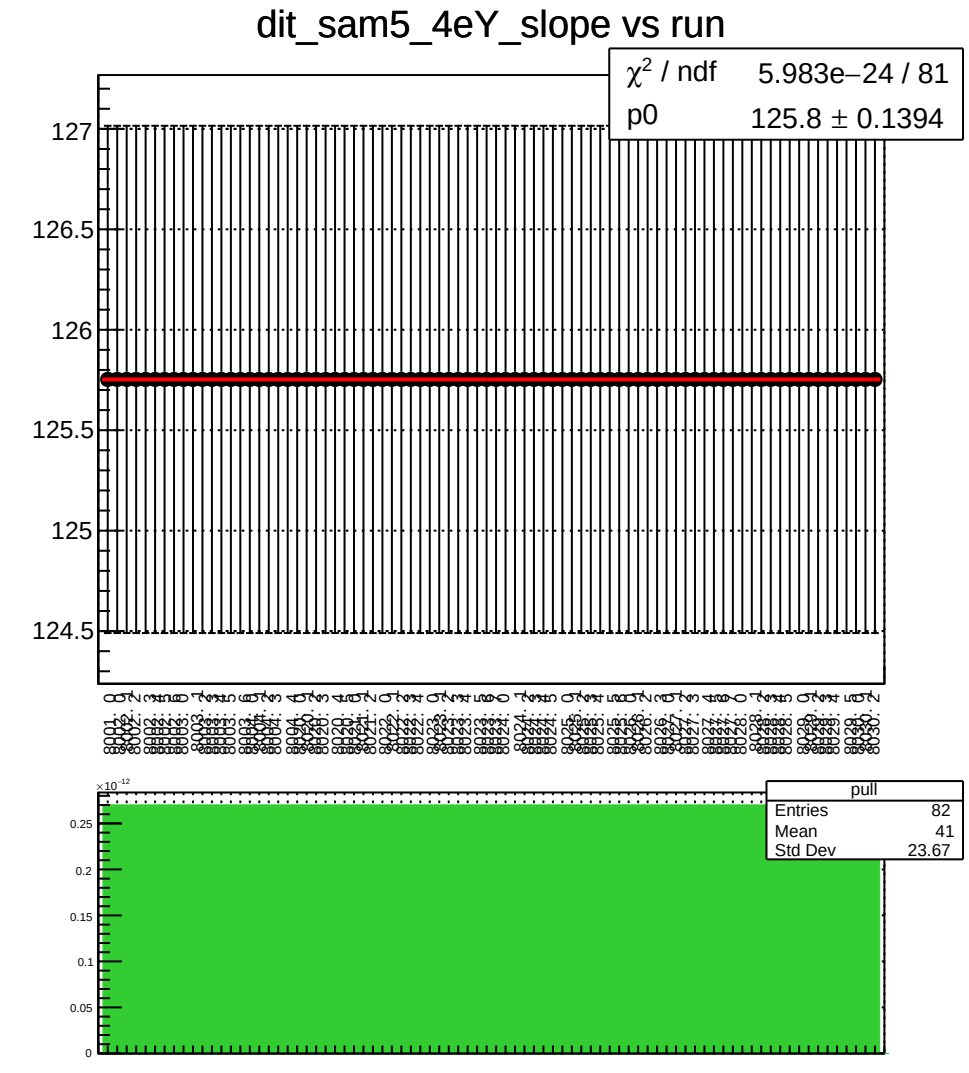

dit_sam5_4eX_slope vs run
χ² / ndf 3.678e−26 / 81
p0 6.255 ± 0.04631
6.6
6.4
6.2
6
5.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20

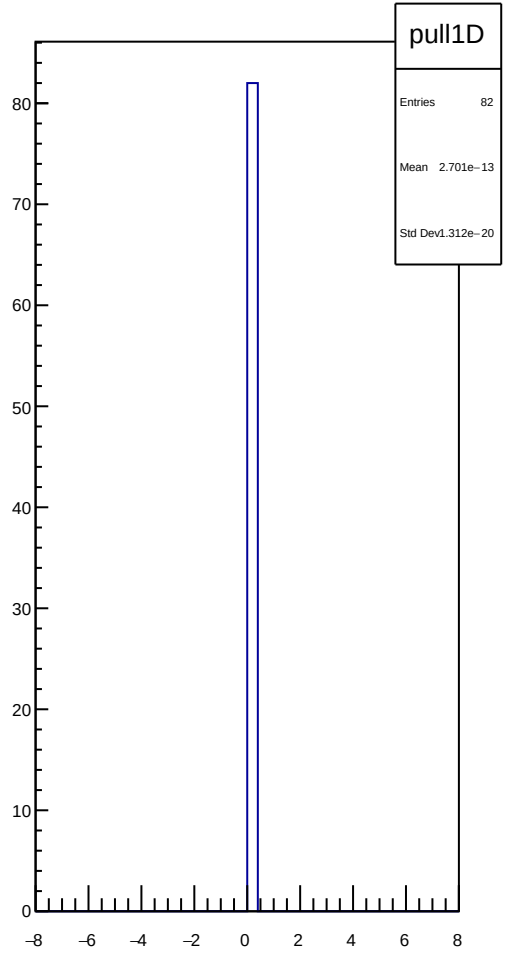

pull1D
Entries 82
Mean −2.118e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

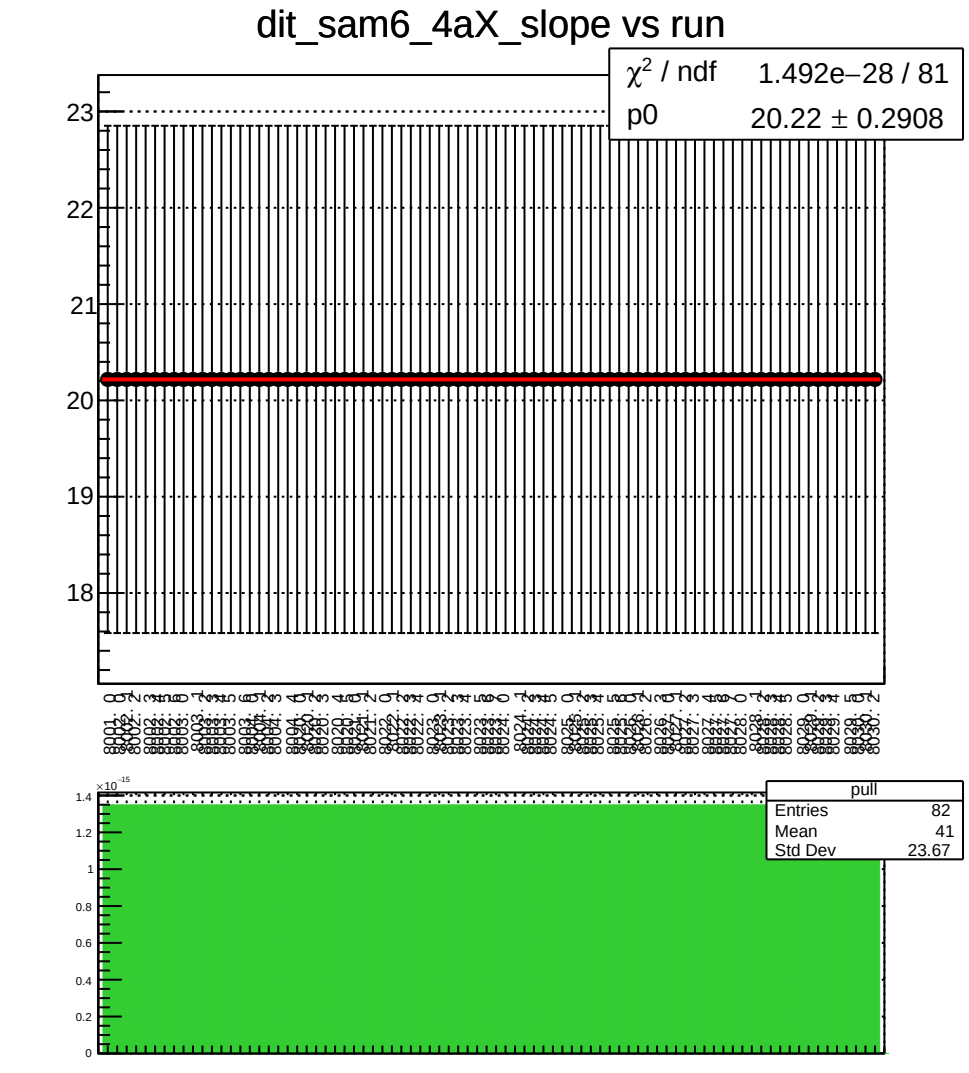

dit_sam5_11X12X_slope vs run
χ² / ndf 3.484e−28 / 81
p0 0.2989 ± 0.01487
0.45
0.4
0.35
0.3
0.25
0.2
0.15
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

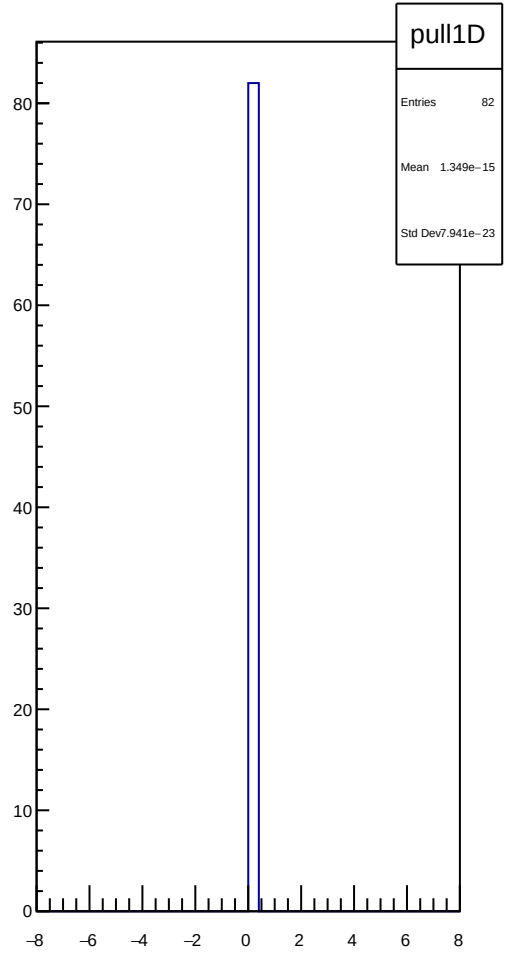

pull1D
Entries 82
Mean 2.061e−15
Std Dev 1.35e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

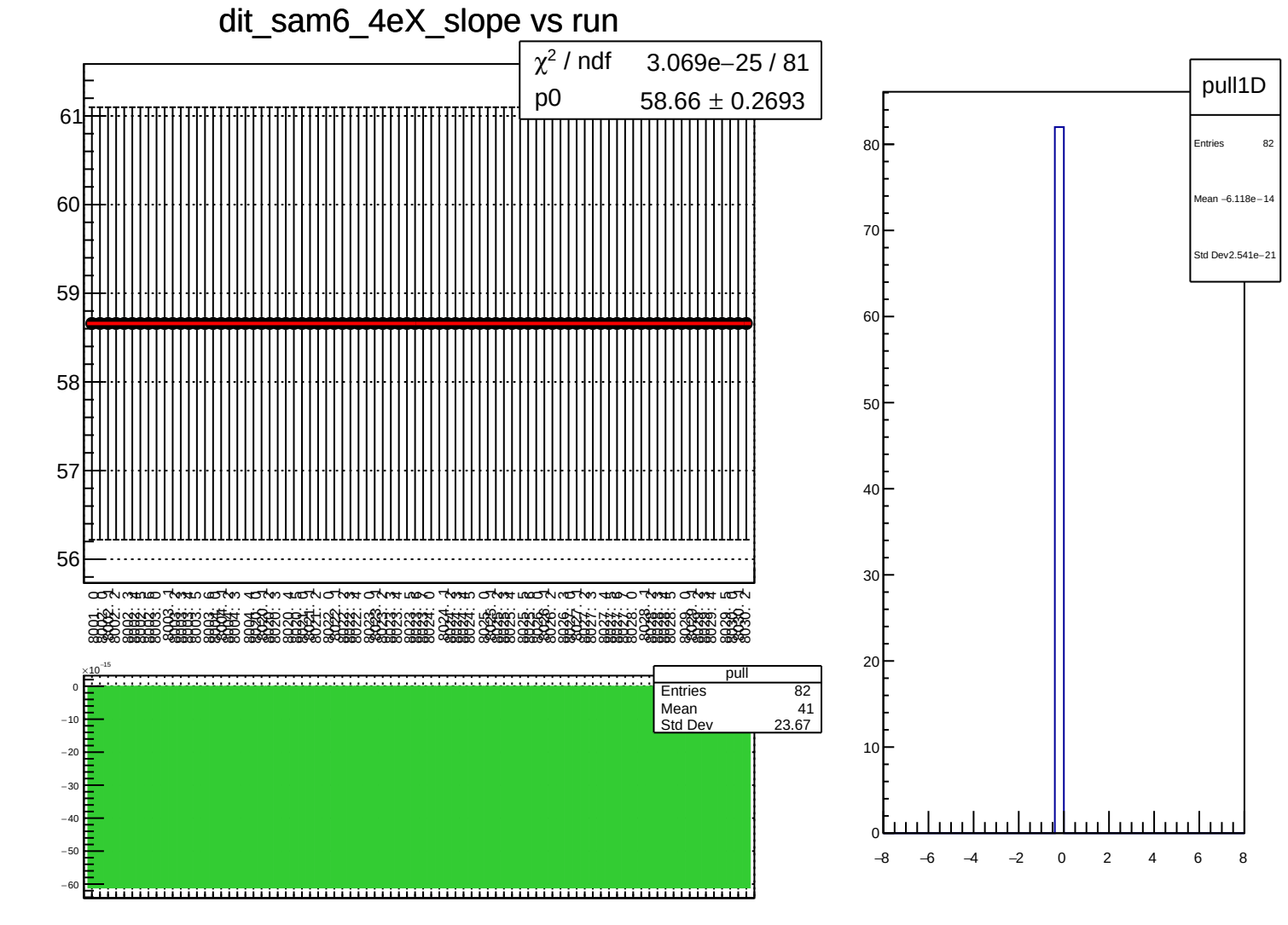

dit_sam5_4aY_slope vs run
χ² / ndf 1.848e−25 / 81
p0 31.67 ± 0.1405
33
32.5
32
31.5
31
30.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 82
Mean −4.747e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

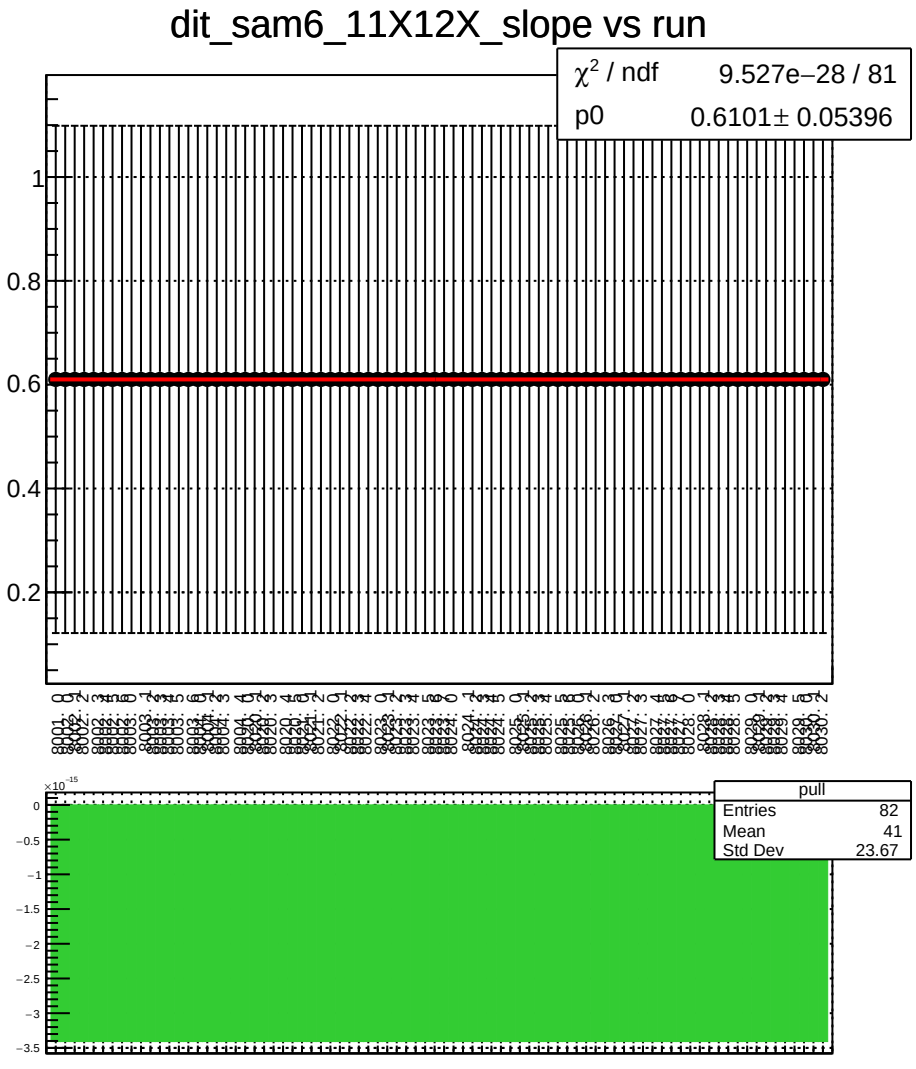

dit_sam5_4eY_slope vs run
χ² / ndf 5.983e−24 / 81
p0 125.8 ± 0.1394
127
126.5
126
125.5
125
124.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

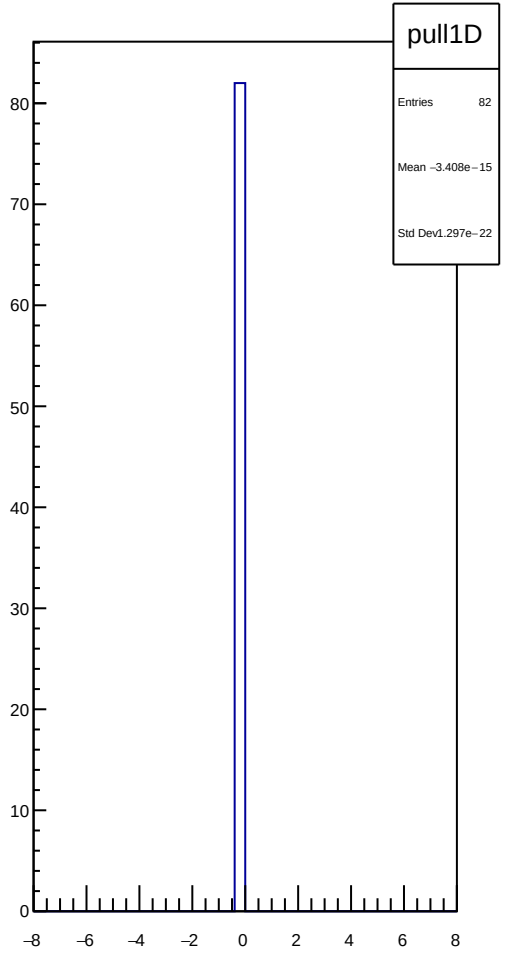

pull1D
Entries 82
Mean 2.701e−13
Std Dev1.312e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

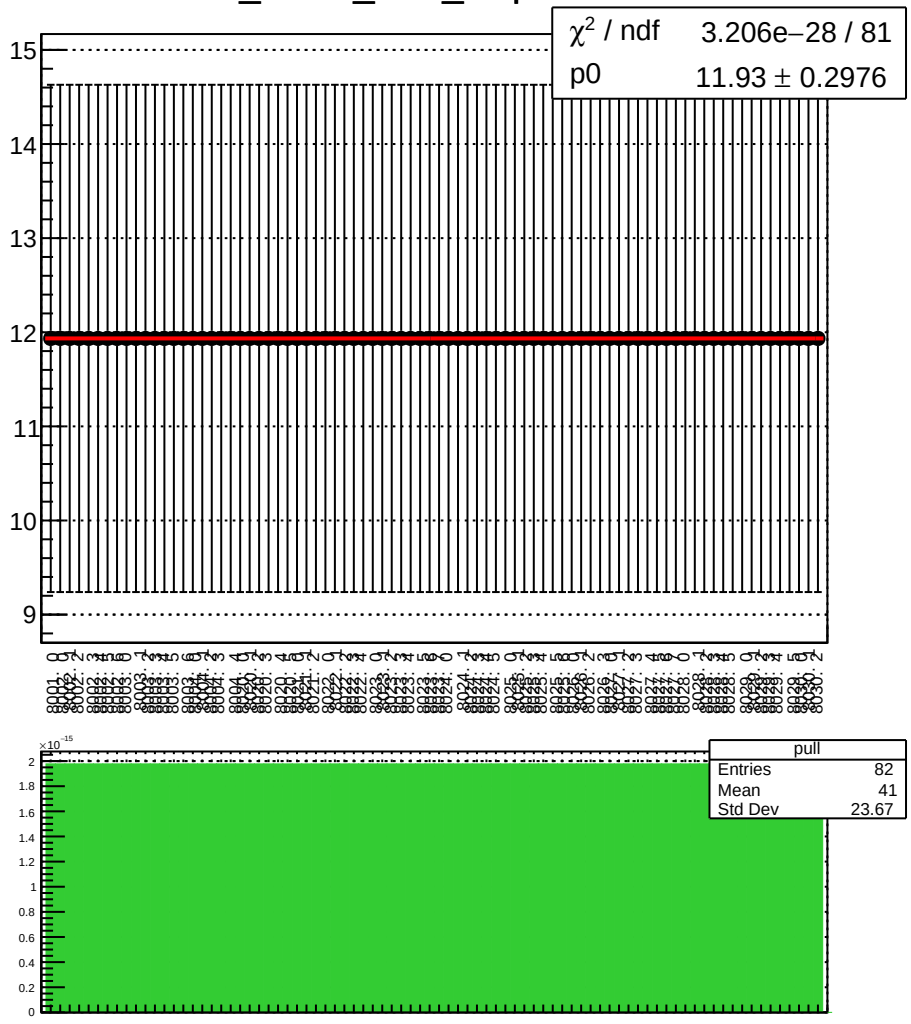

dit_sam6_4aX_slope vs run
χ² / ndf 1.492e−28 / 81
p0 20.22 ± 0.2908
pull
Entries 82
Mean 41
Std Dev 23.67

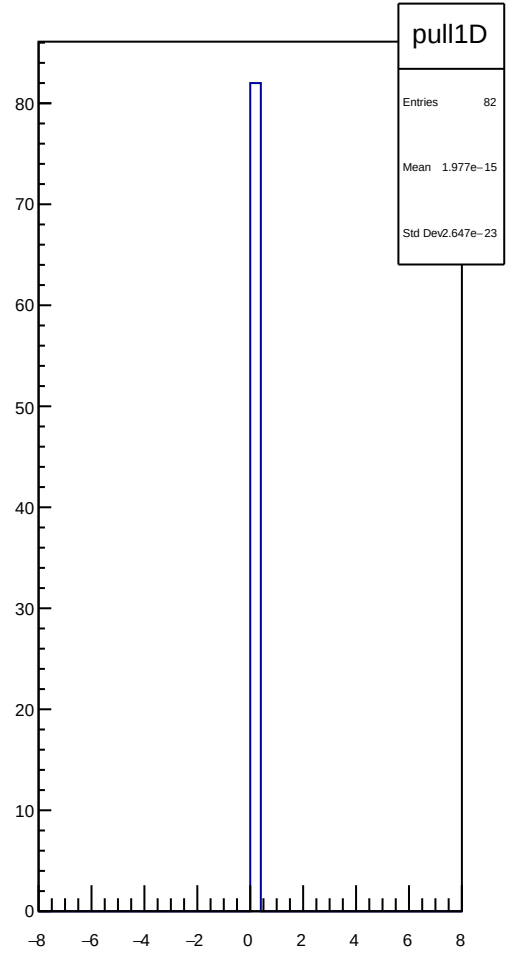

pull1D
Entries 82
Mean 1.349e−15
Std Dev7.941e−23

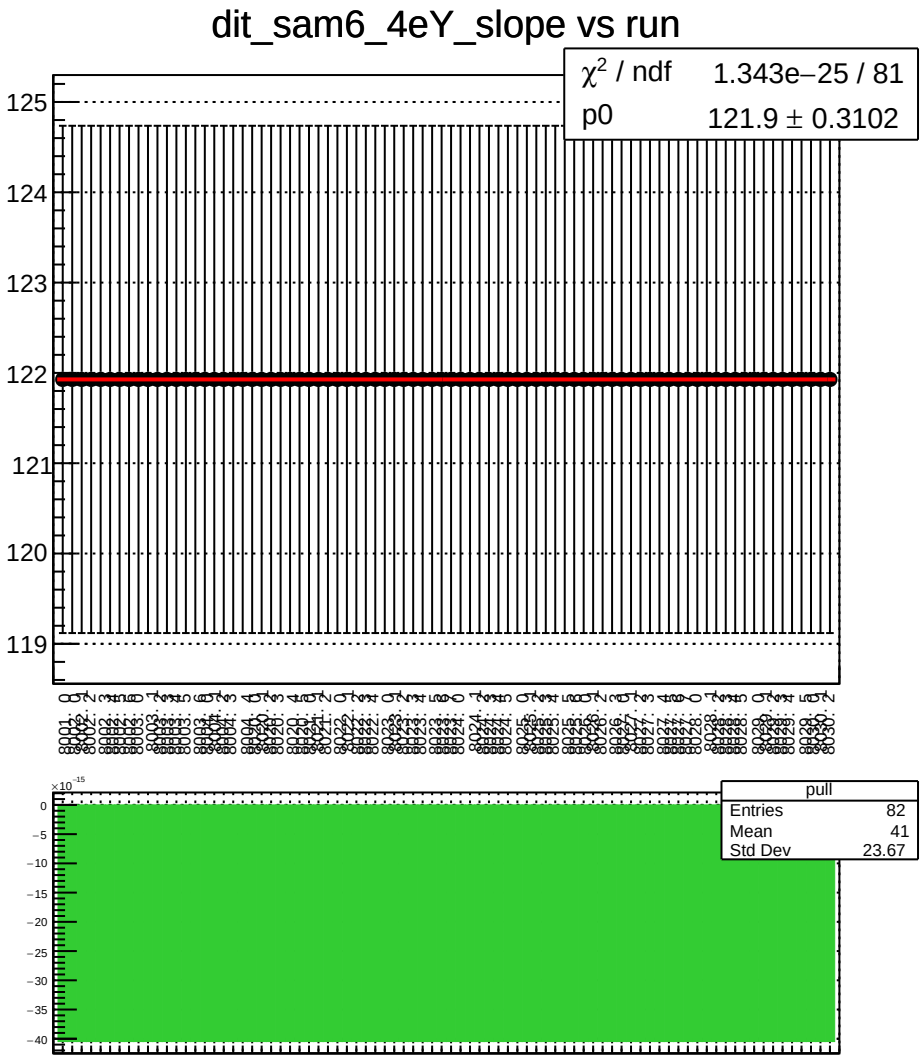

dit_sam6_4eX_slope vs run
χ² / ndf 3.069e−25 / 81
p0 58.66 ± 0.2693
61
60
59
58
57
56
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 82
Mean −6.118e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

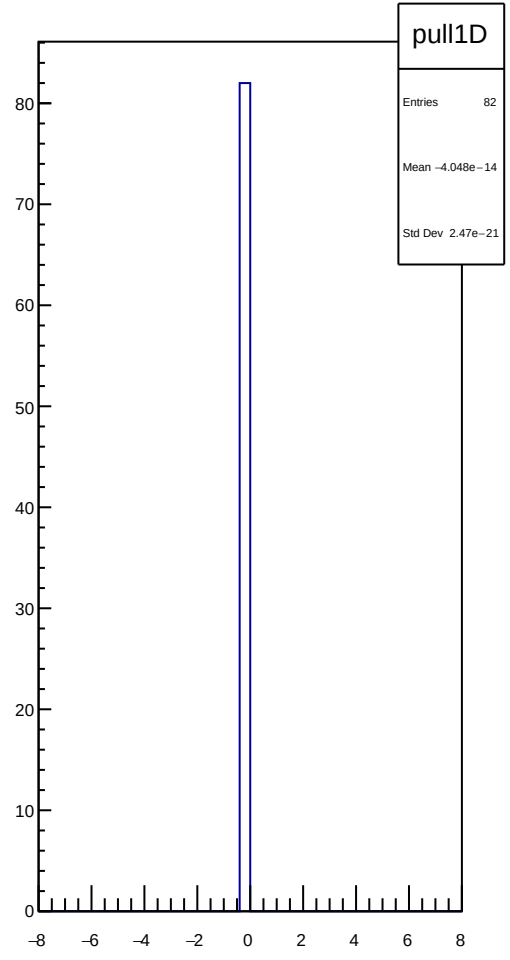

dit_sam6_11X12X_slope vs run
χ² / ndf 9.527e−28 / 81
p0 0.6101± 0.05396
pull
Entries 82
Mean 41
Std Dev 23.67

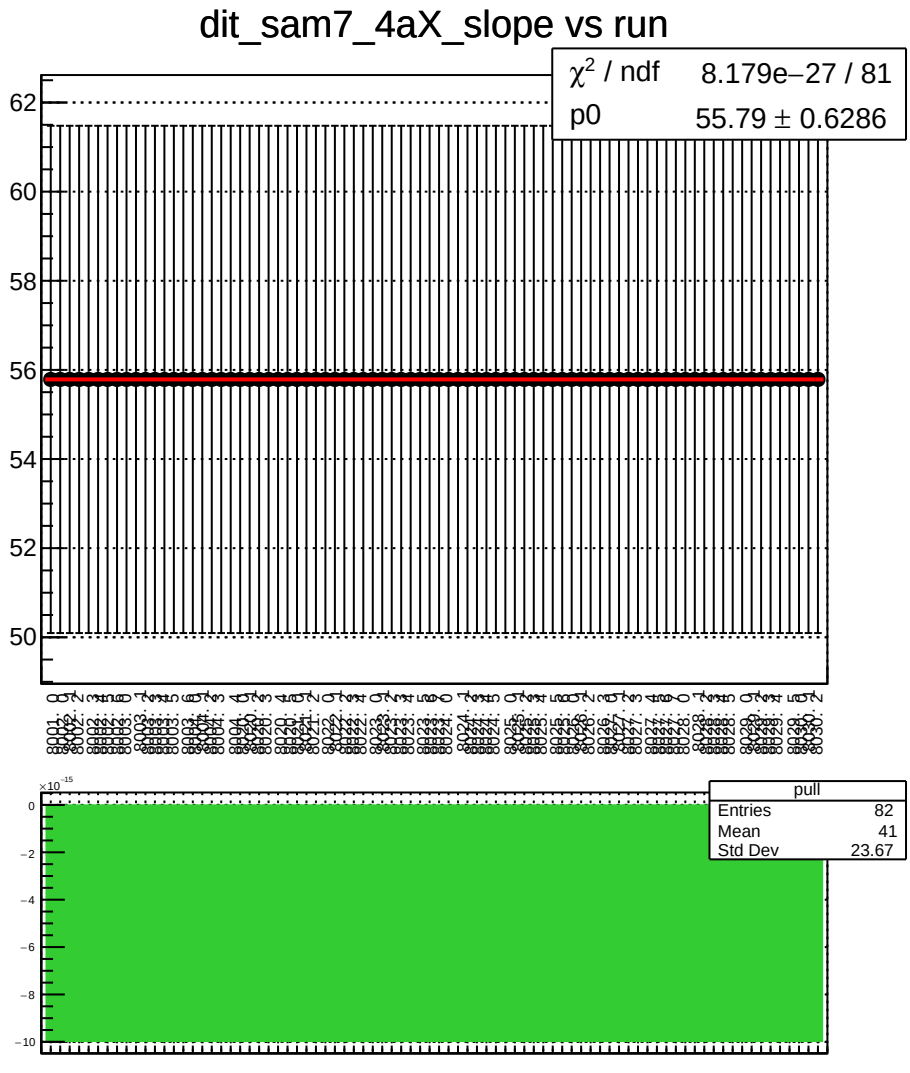

pull1D
Entries 82
Mean −3.408e−15
Std Dev1.297e−22

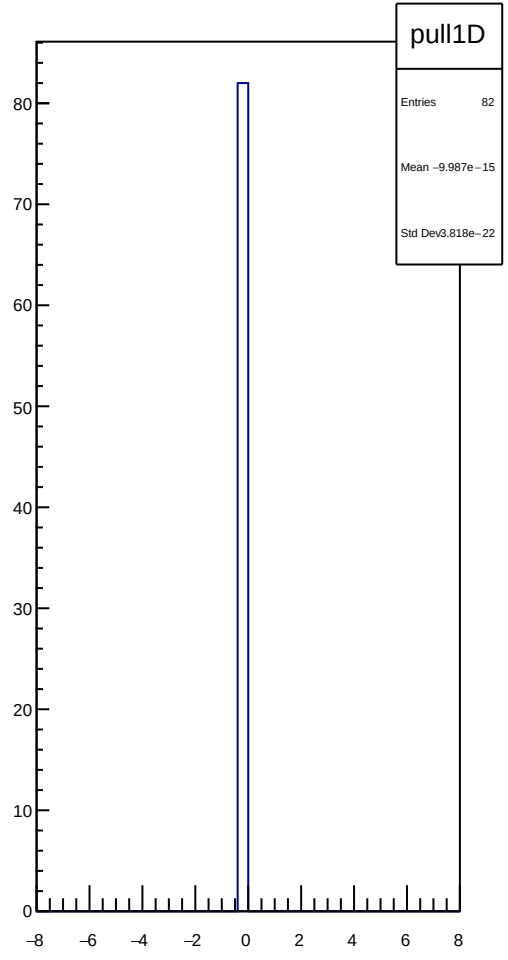

dit_sam6_4aY_slope vs run
χ² / ndf 3.206e−28 / 81
p0 11.93 ± 0.2976
pull
Entries 82
Mean 41
Std Dev 23.67

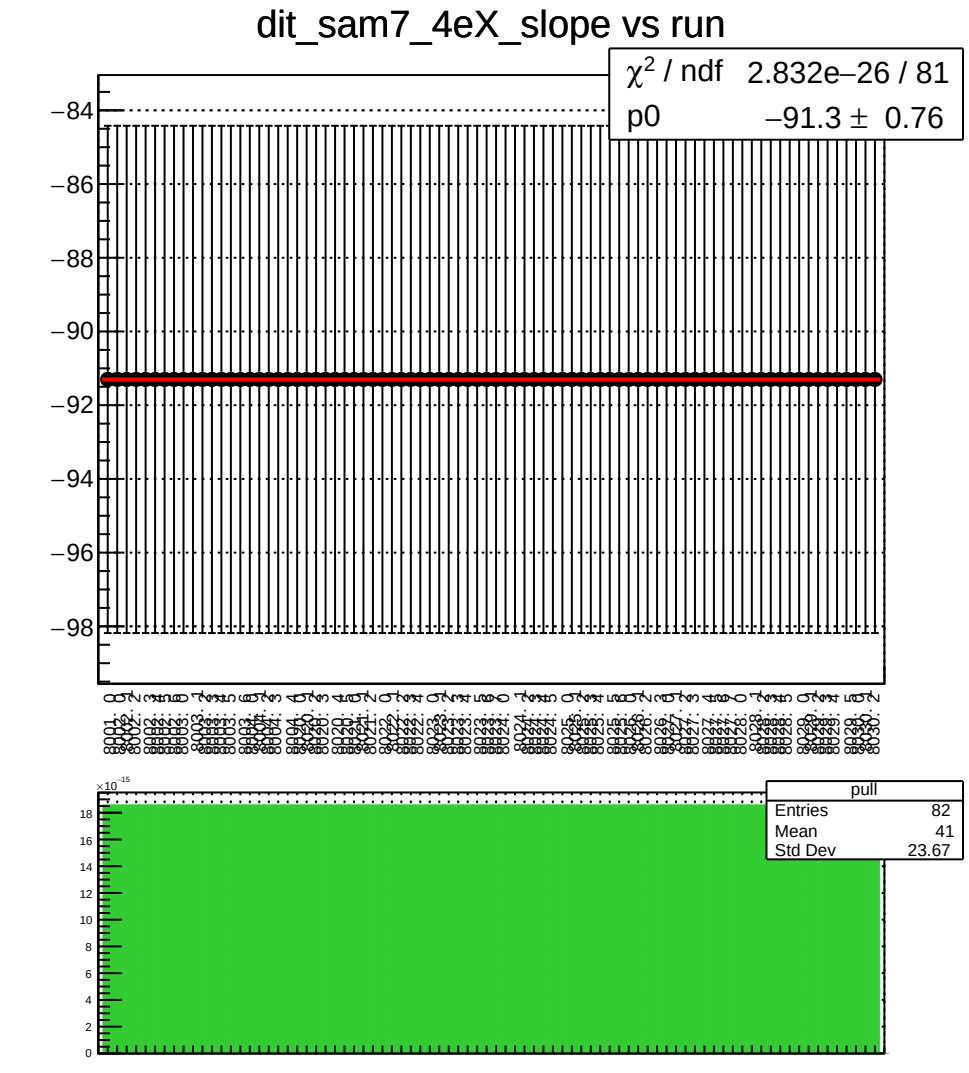

pull1D
Entries 82
Mean 1.977e−15
Std Dev 2.647e−23

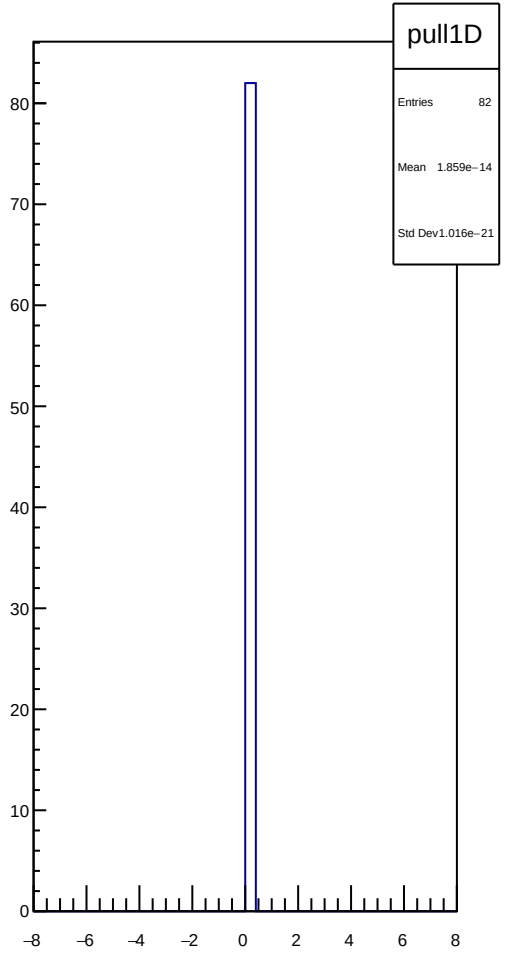

dit_sam6_4eY_slope vs run
χ² / ndf 1.343e−25 / 81
p0 121.9 ± 0.3102
125
124
123
122
121
120
119
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

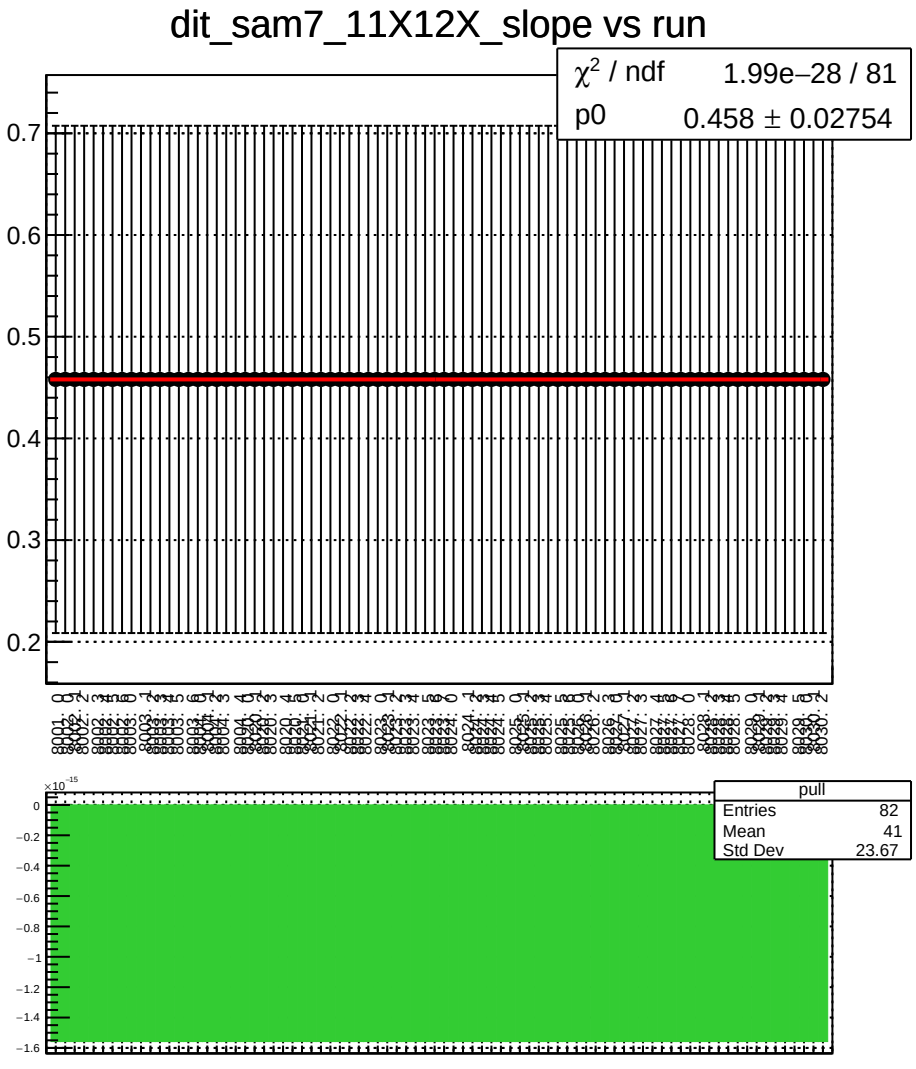

pull1D
Entries 82
Mean −4.048e−14
Std Dev 2.47e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

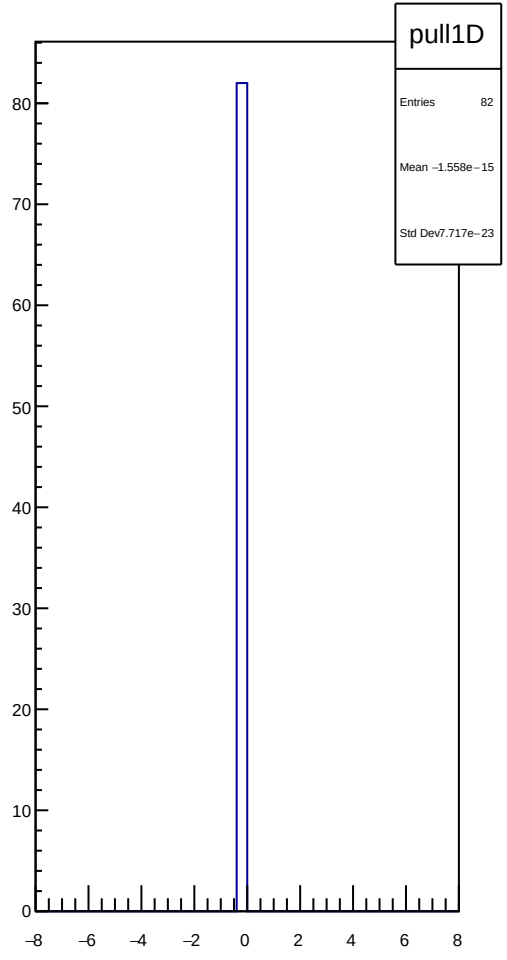

dit_sam7_4aX_slope vs run
χ² / ndf 8.179e−27 / 81
p0 55.79 ± 0.6286
62
60
58
56
54
52
50
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10

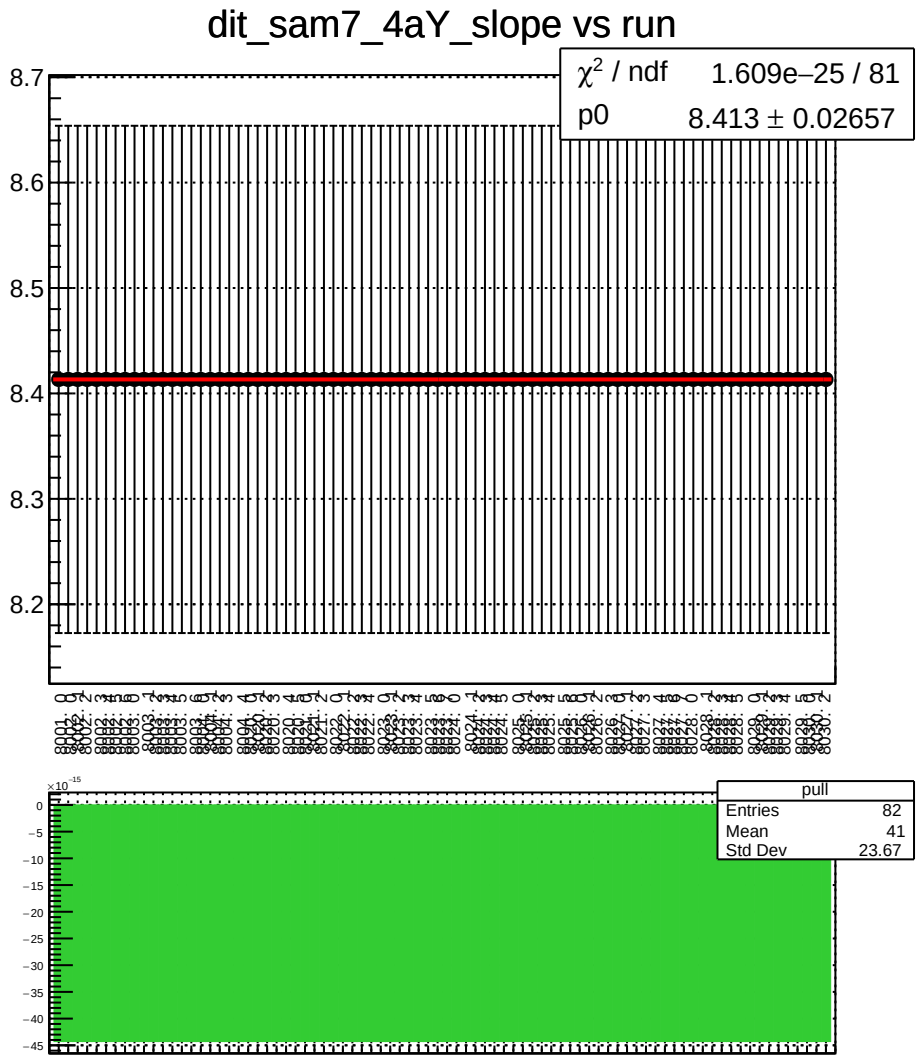

pull1D
Entries 82
Mean −9.987e−15
Std Dev 3.818e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

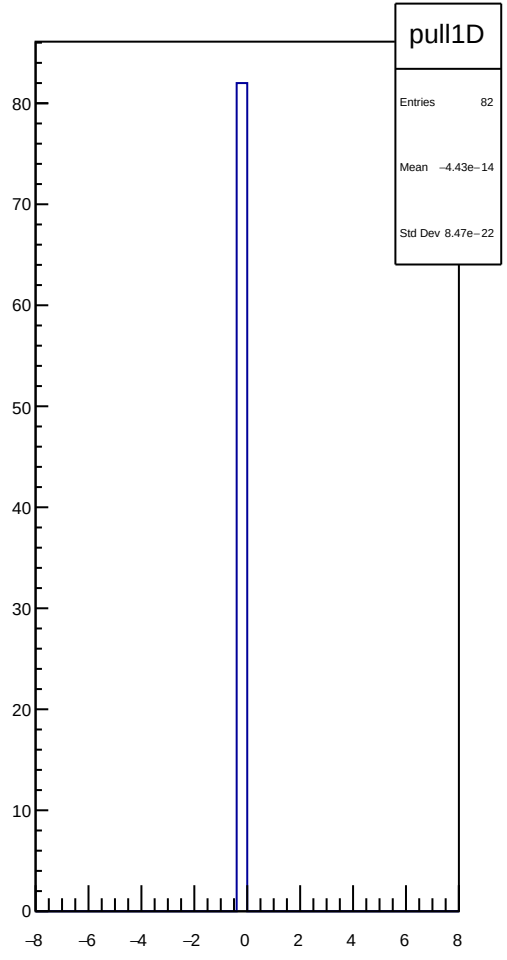

dit_sam7_4eX_slope vs run
χ² / ndf 2.832e−26 / 81
p0 −91.3 ± 0.76
pull
Entries 82
Mean 41
Std Dev 23.67

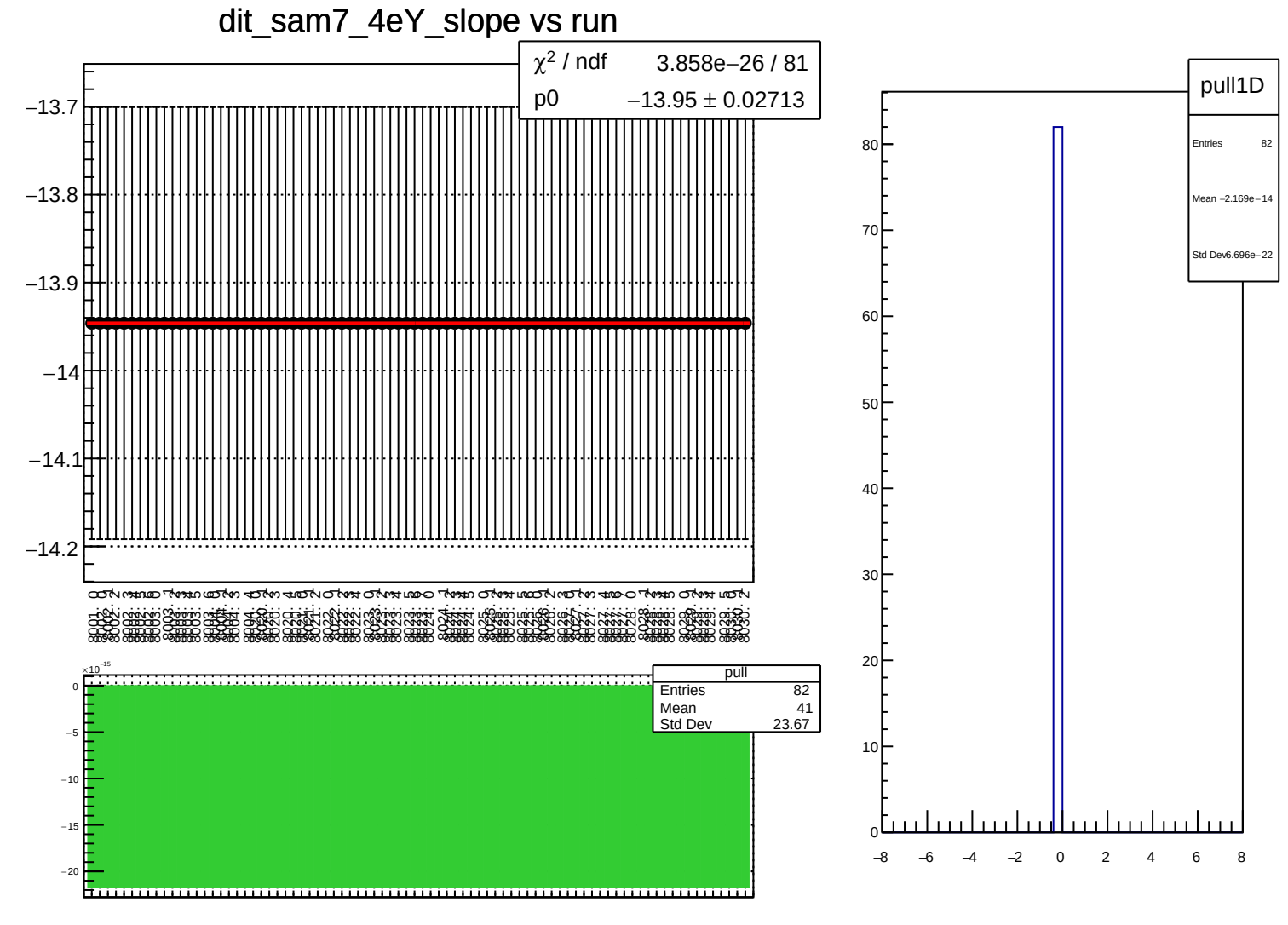

pull1D
Entries 82
Mean 1.859e−14
Std Dev1.016e−21

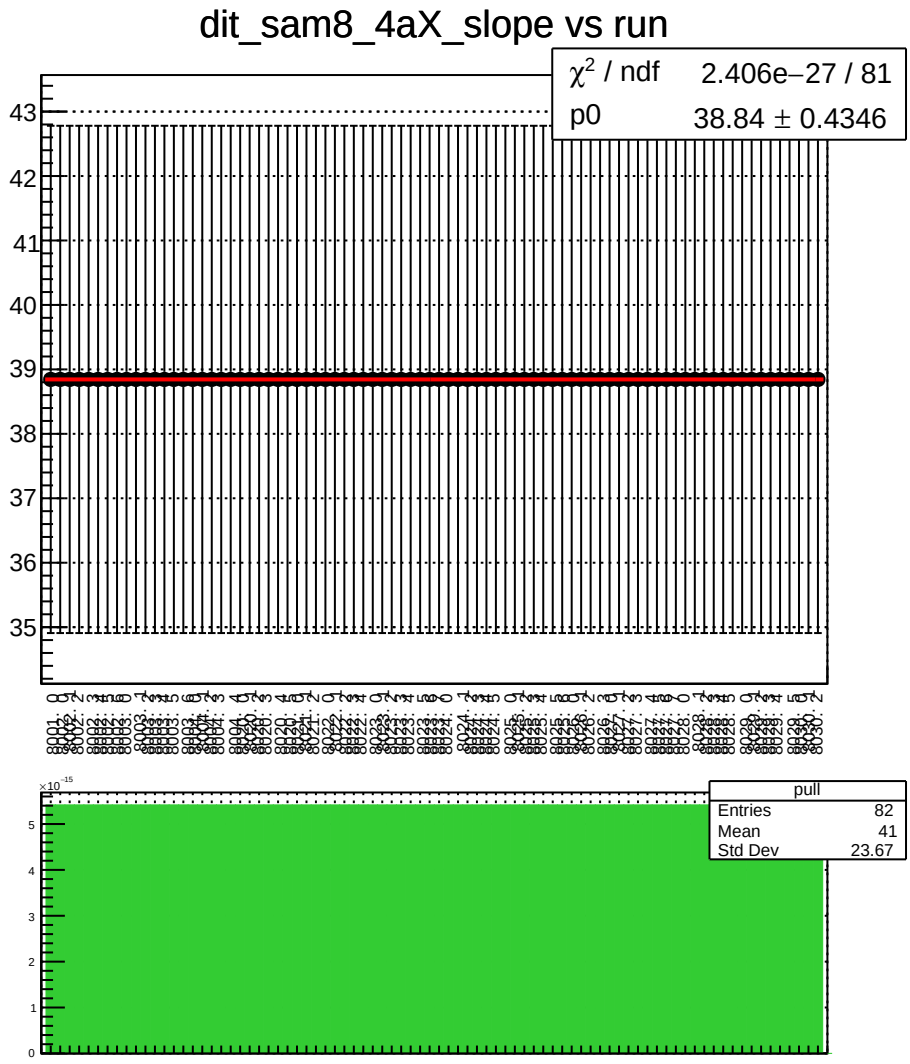

dit_sam7_11X12X_slope vs run
χ^2 / ndf 1.99e−28 / 81
p0 0.458 ± 0.02754
0.7
0.6
0.5
0.4
0.3
0.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6

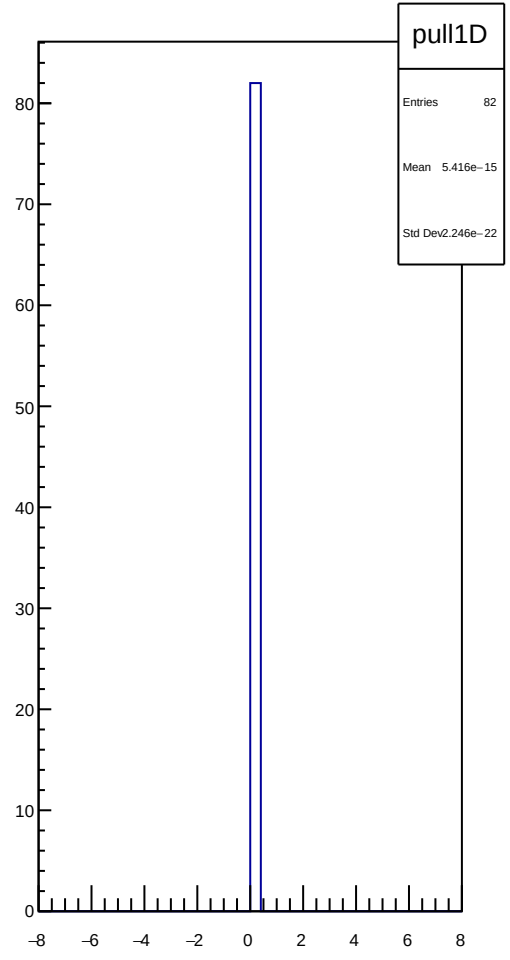

pull1D
Entries 82
Mean −1.558e−15
Std Dev7.717e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

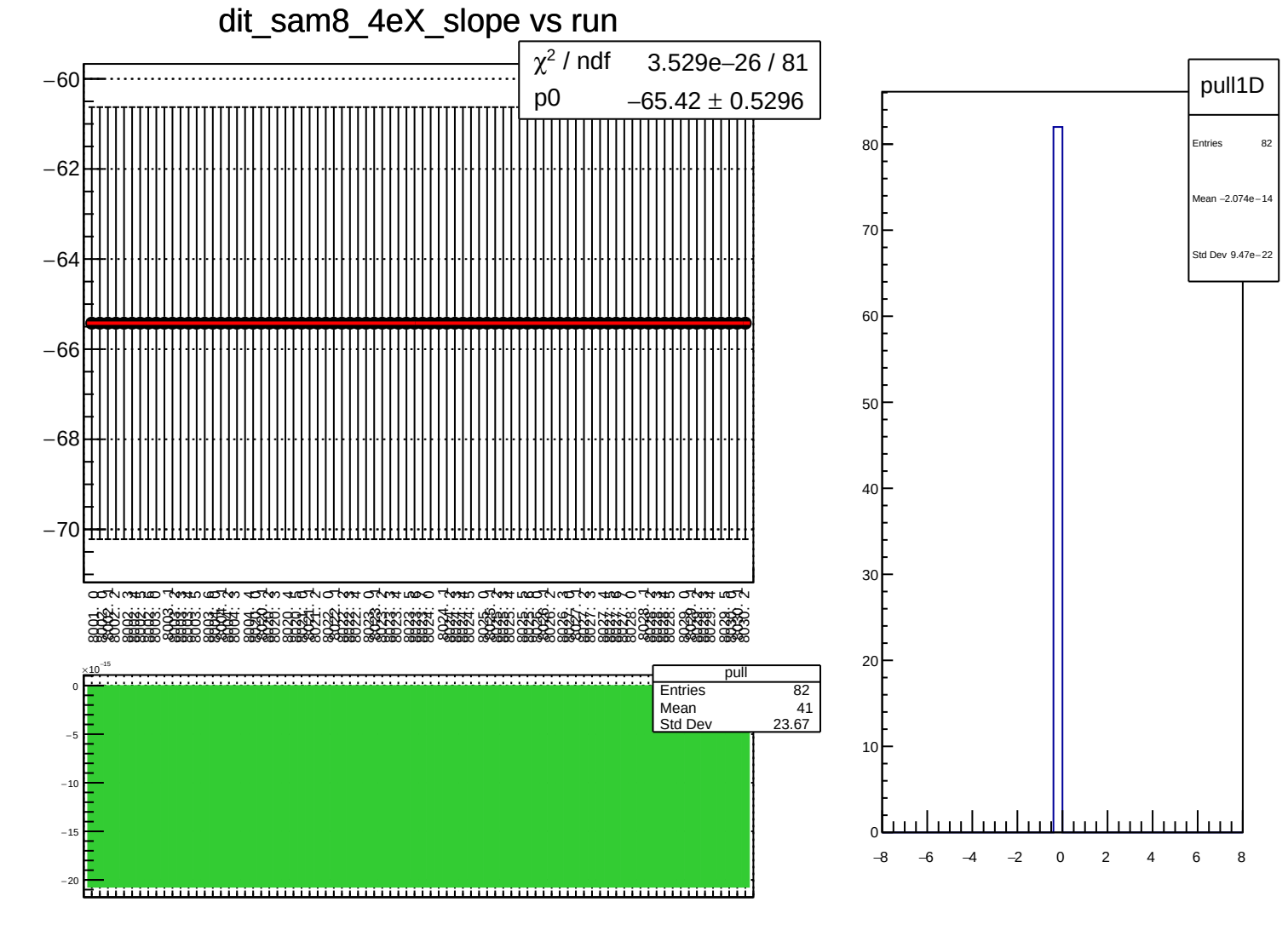

dit_sam7_4aY_slope vs run
χ² / ndf 1.609e−25 / 81
p0 8.413 ± 0.02657
8.7
8.6
8.5
8.4
8.3
8.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

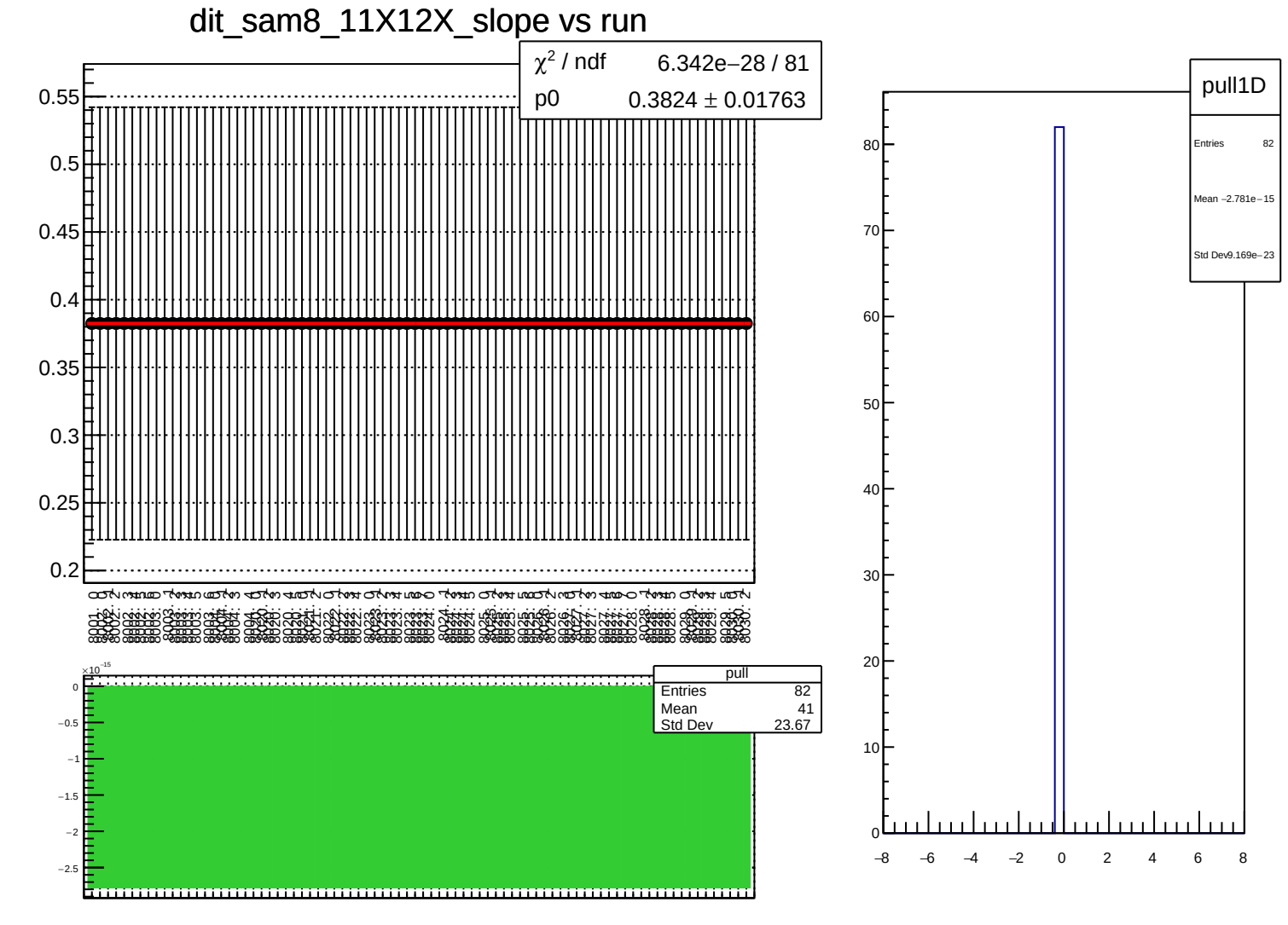

pull1D
Entries 82
Mean −4.43e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

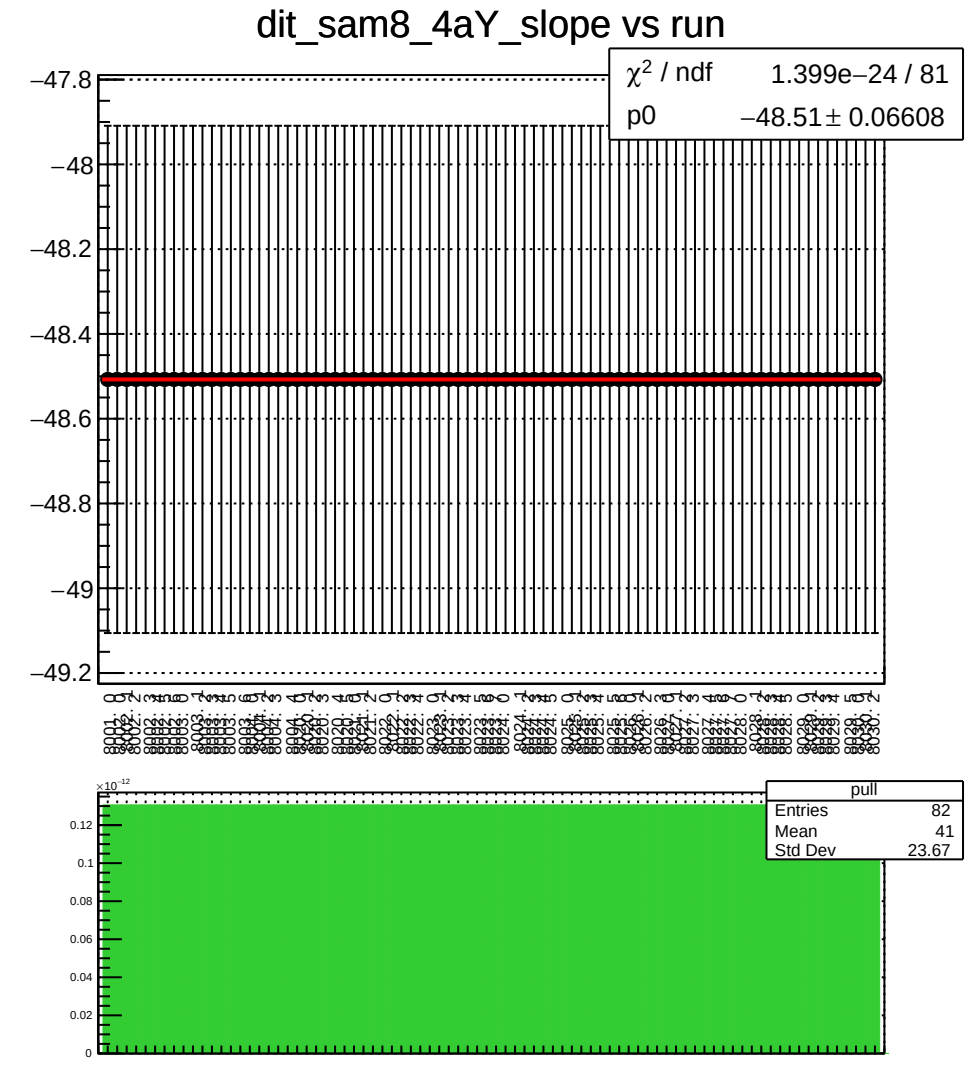

dit_sam7_4eY_slope vs run
χ² / ndf 3.858e−26 / 81
p0 −13.95 ± 0.02713
−13.7
−13.8
−13.9
−14
−14.1
−14.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −2.169e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

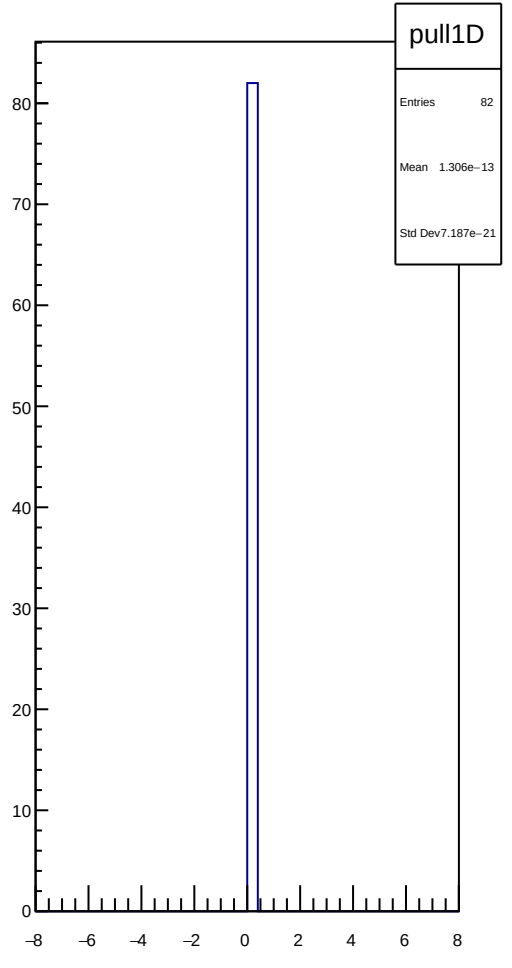

dit_sam8_4aX_slope vs run
χ² / ndf 2.406e−27 / 81
p0 38.84 ± 0.4346
pull
Entries 82
Mean 41
Std Dev 23.67

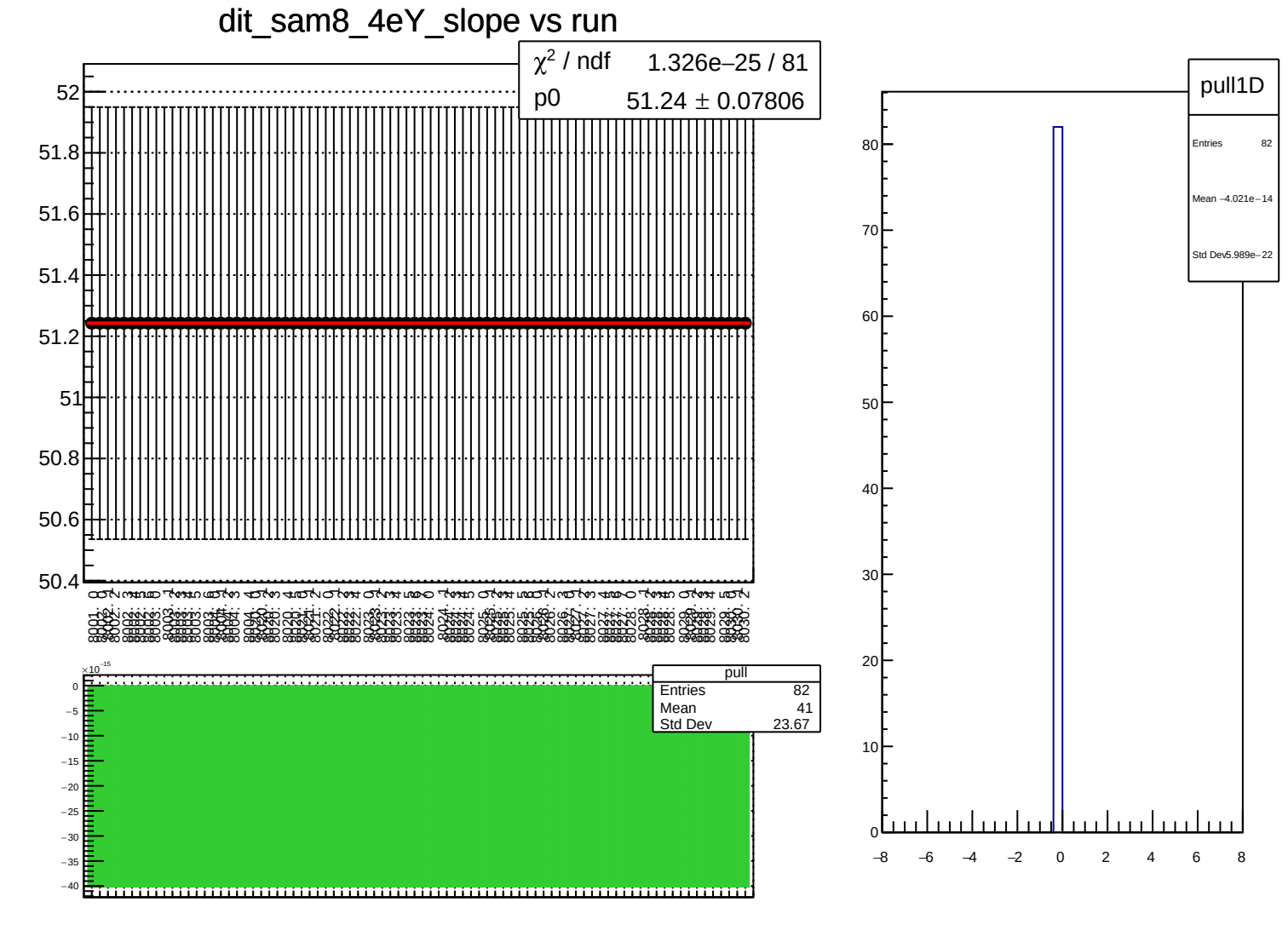

pull1D
Entries 82
Mean 5.416e−15
Std Dev 2.246e−22

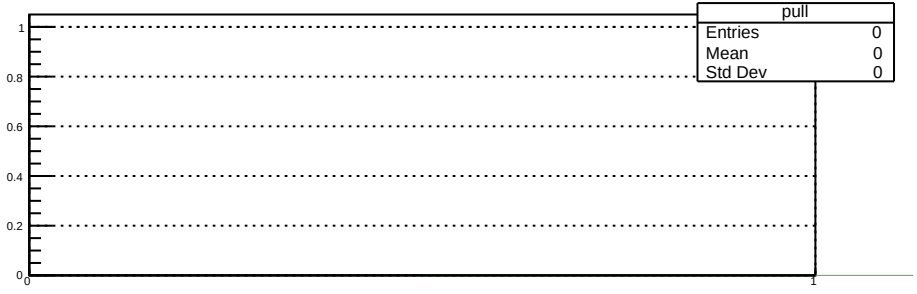

dit_sam8_4eX_slope vs run
χ² / ndf 3.529e−26 / 81
p0 −65.42 ± 0.5296
−60
−62
−64
−66
−68
−70
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −2.074e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

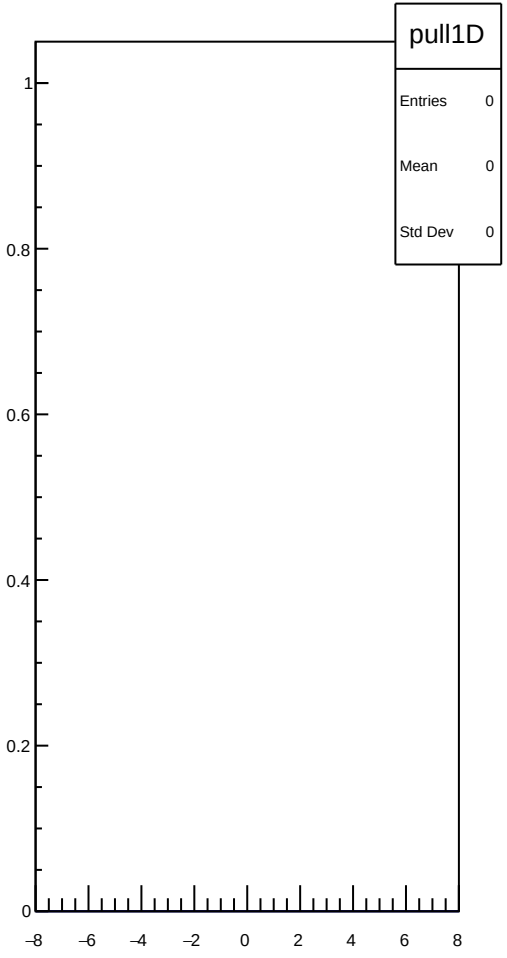

dit_sam8_11X12X_slope vs run
χ² / ndf 6.342e−28 / 81
p0 0.3824 ± 0.01763
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −2.781e−15
Std Dev9.169e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

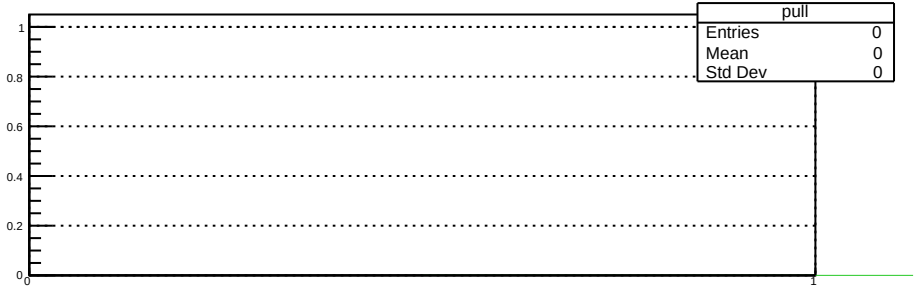

dit_sam8_4aY_slope vs run
χ² / ndf 1.399e−24 / 81
p0 −48.51 ± 0.06608
−47.8
−48
−48.2
−48.4
−48.6
−48.8
−49
−49.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

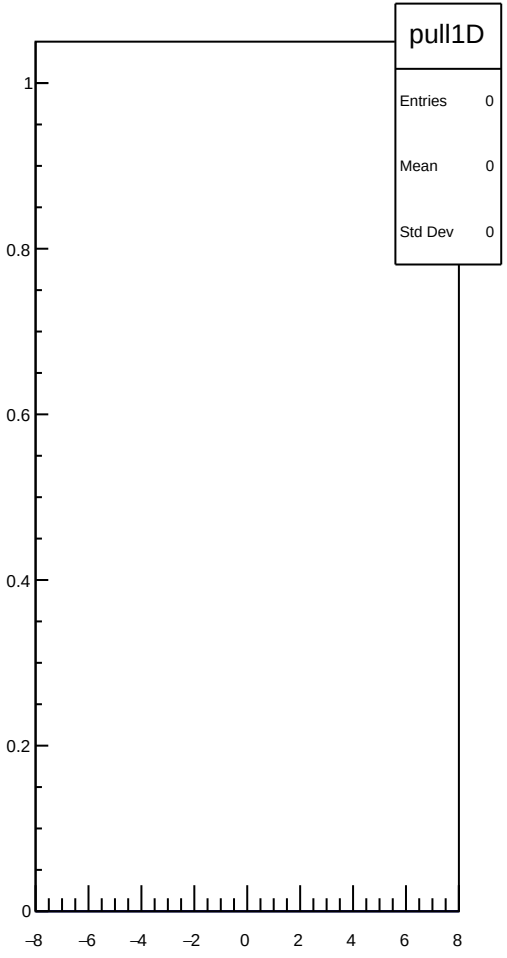

pull1D
Entries 82
Mean 1.306e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

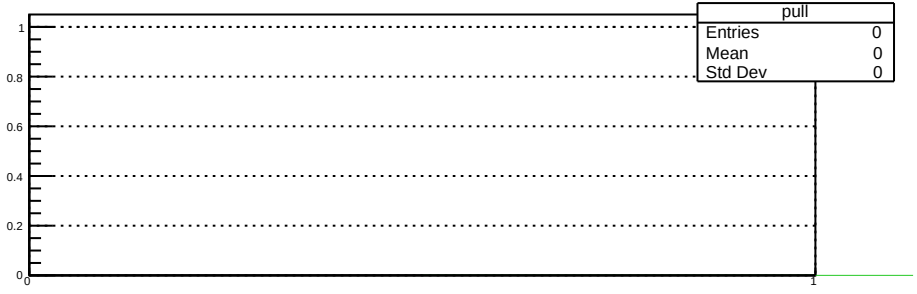

dit_sam8_4eY_slope vs run
χ² / ndf 1.326e−25 / 81
p0 51.24 ± 0.07806
52
51.8
51.6
51.4
51.2
51
50.8
50.6
50.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 82
Mean −4.021e−14
Std Dev 5.989e−22
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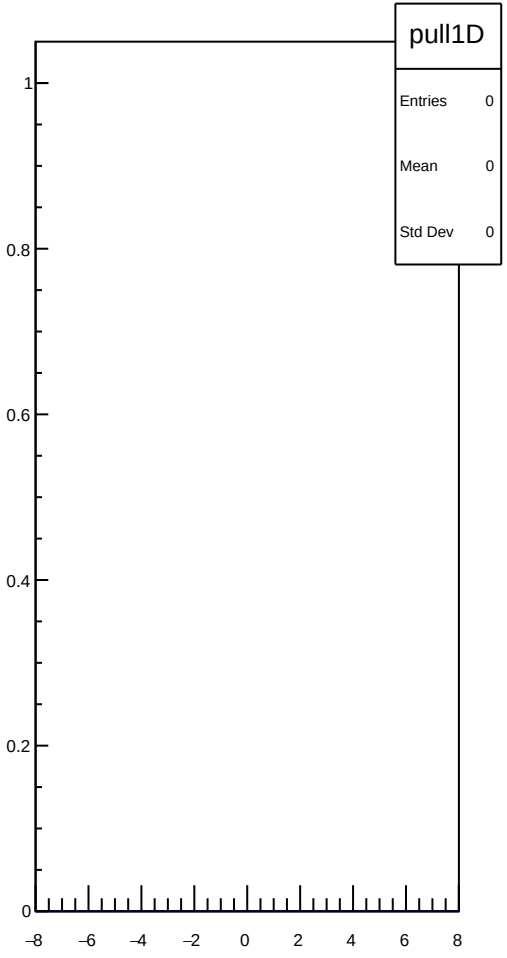

pull
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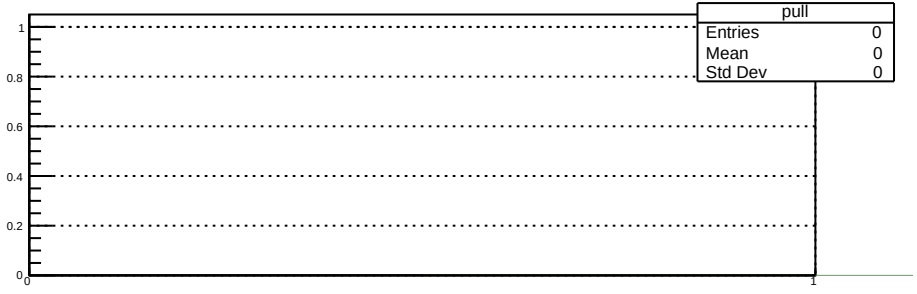

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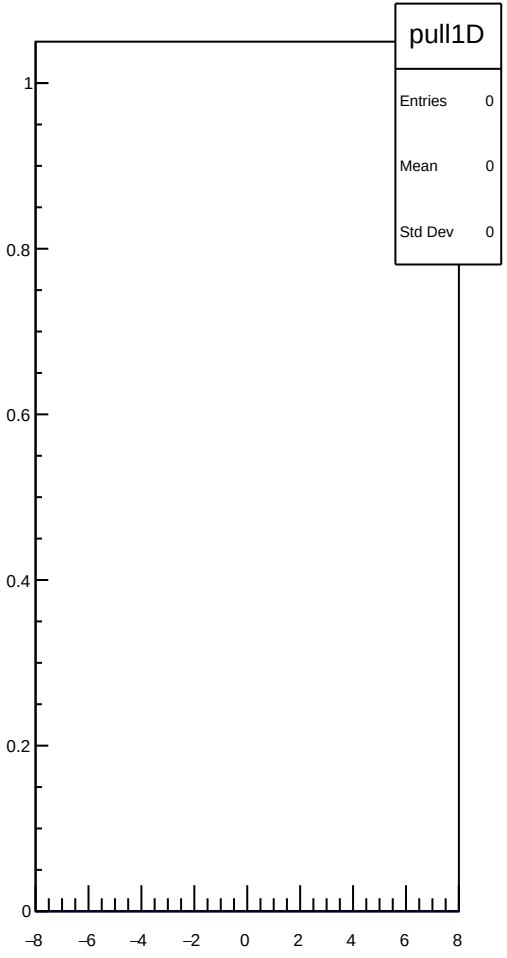

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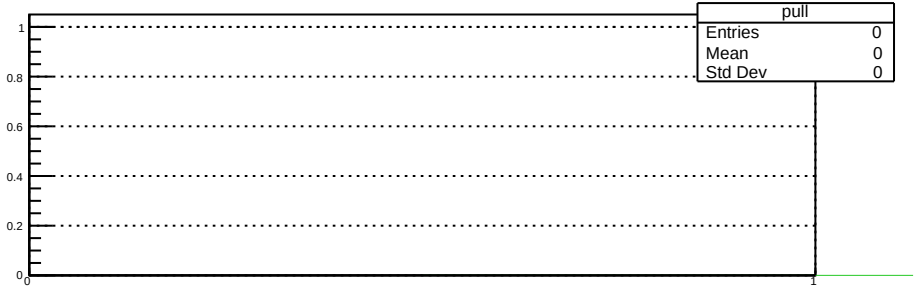

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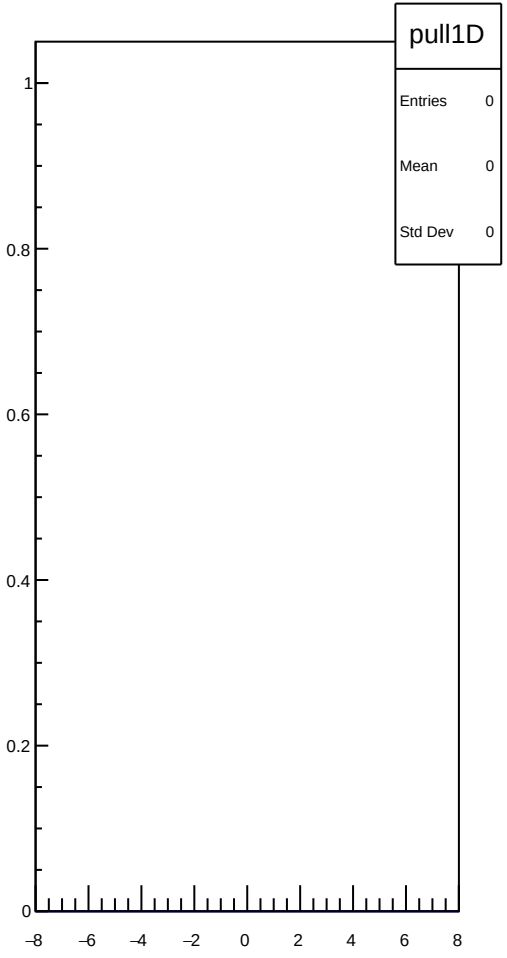

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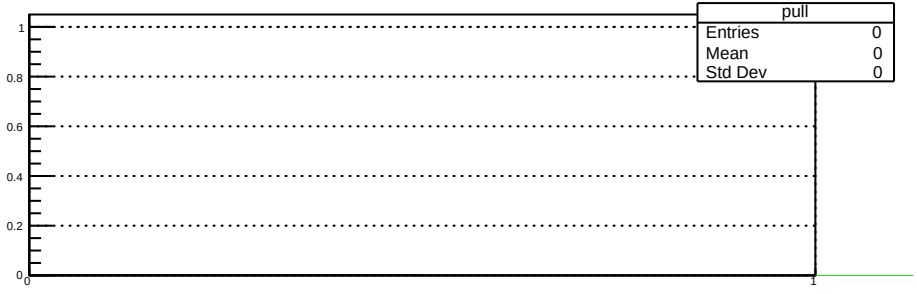

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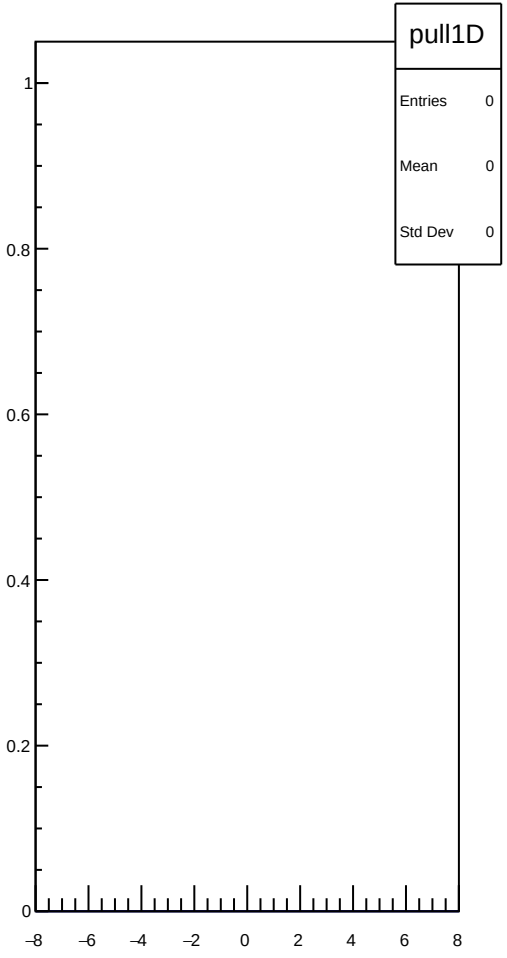

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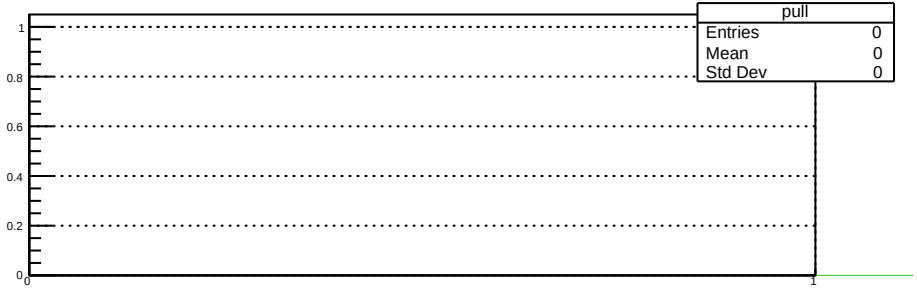

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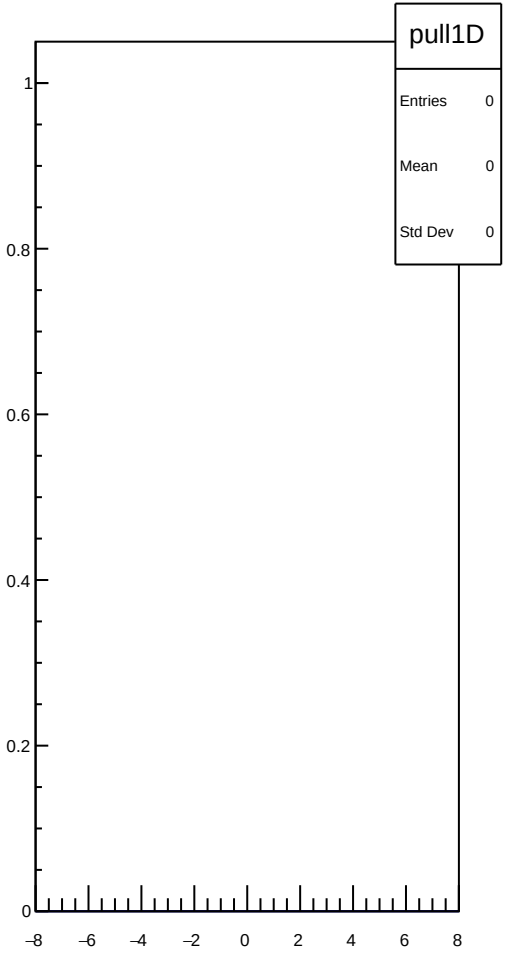

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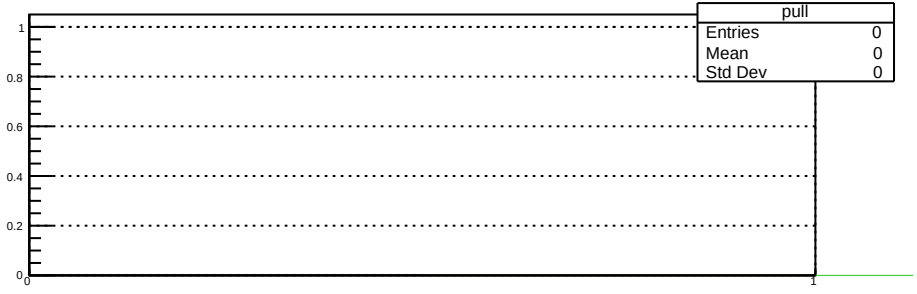

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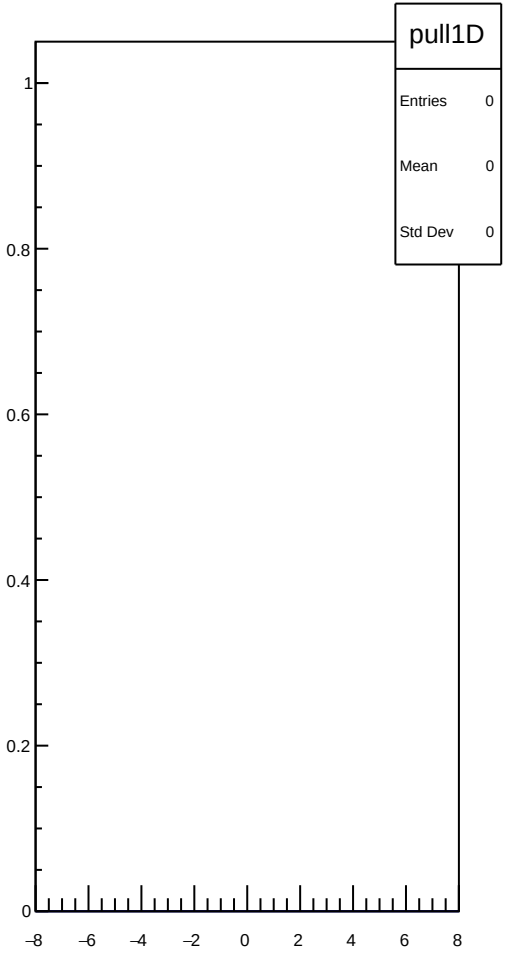

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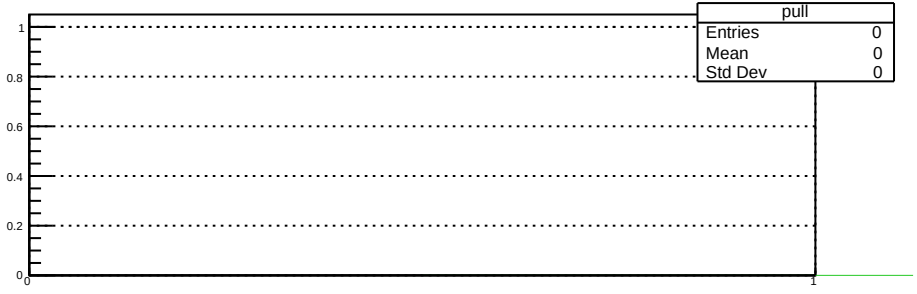

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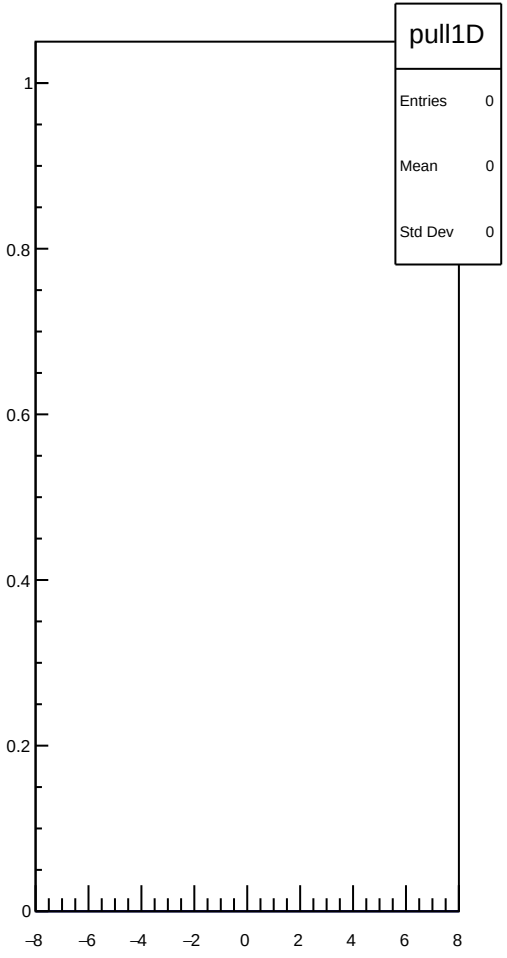

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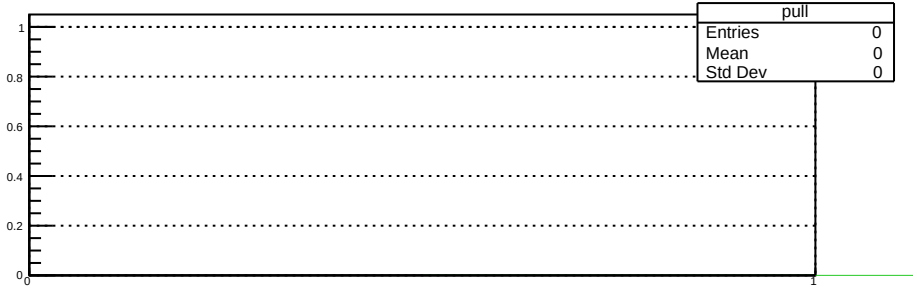

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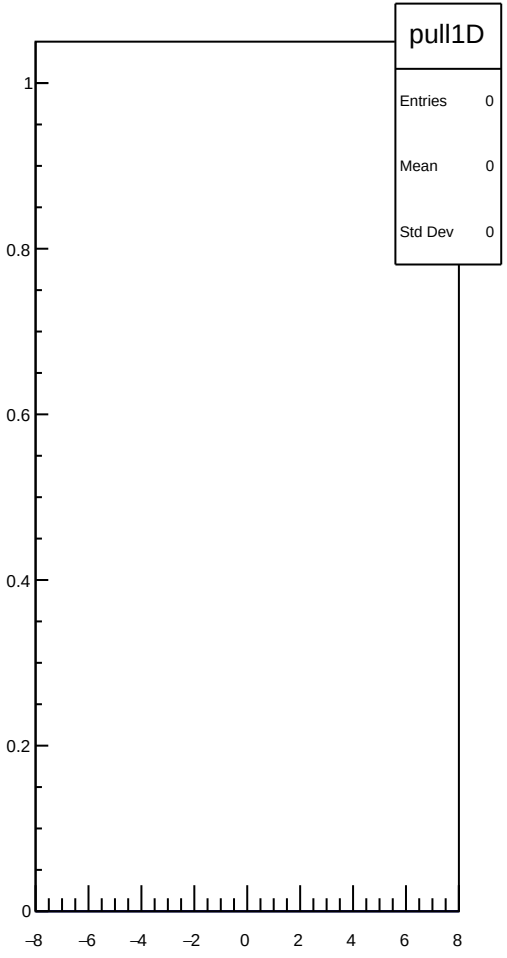

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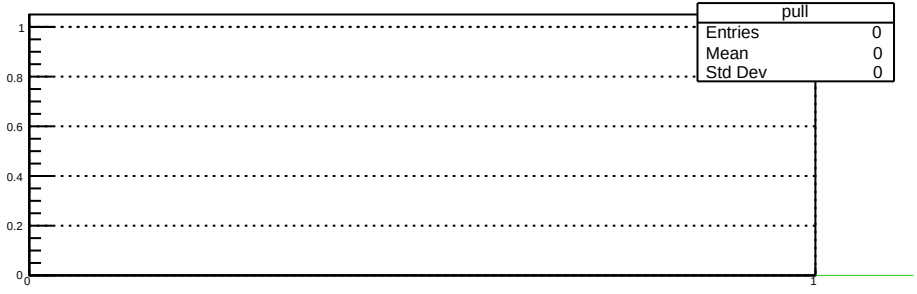

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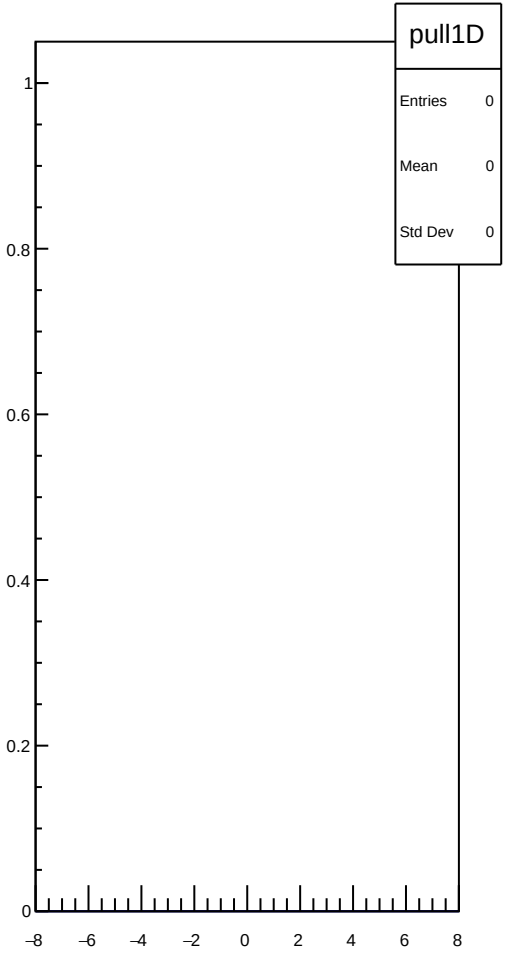

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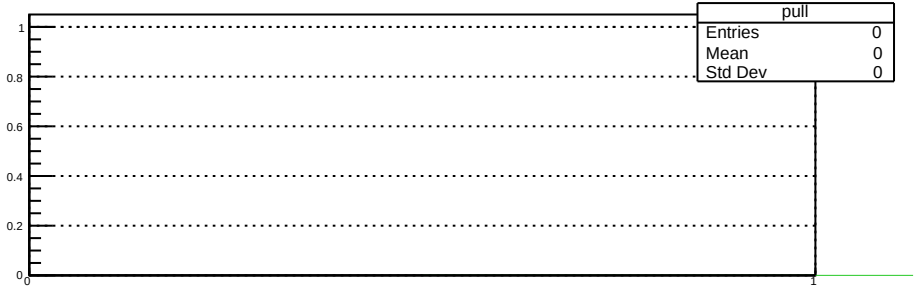

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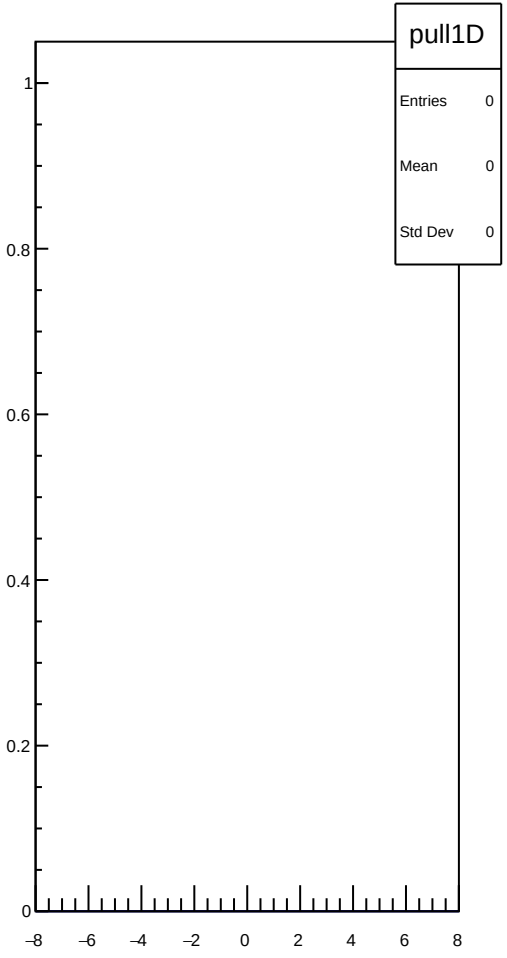

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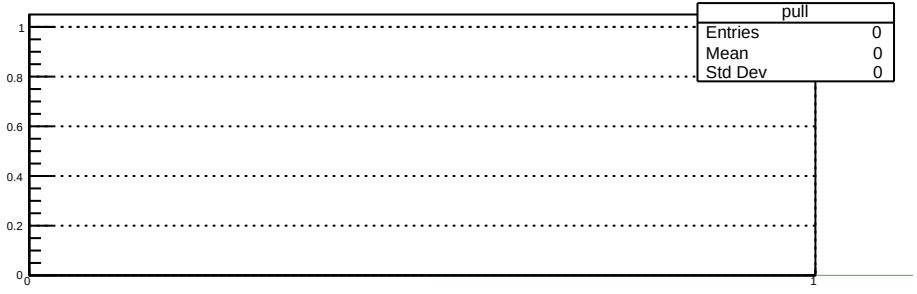

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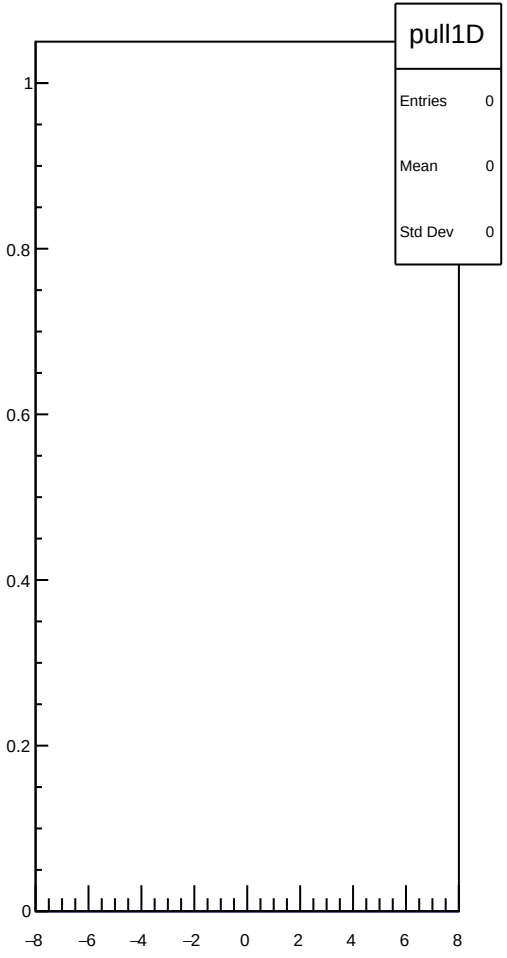

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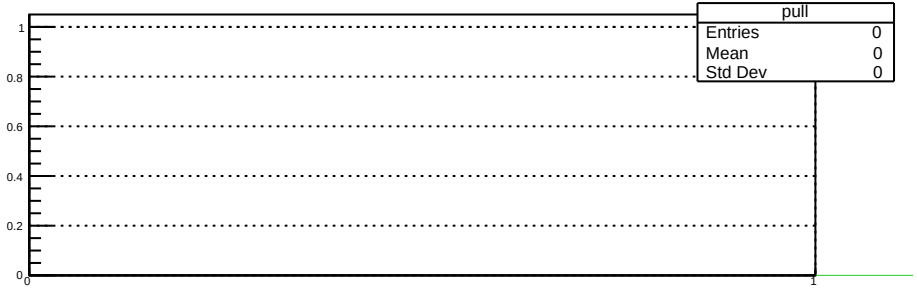

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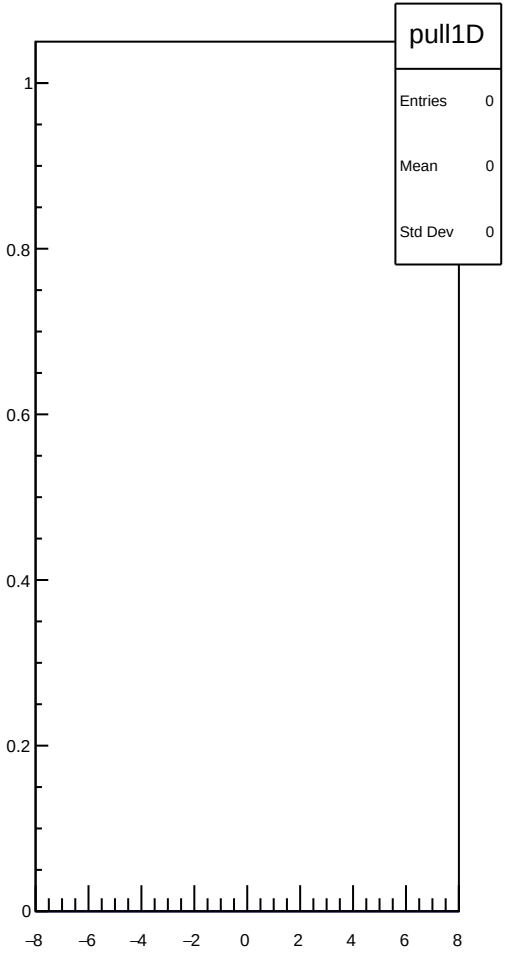

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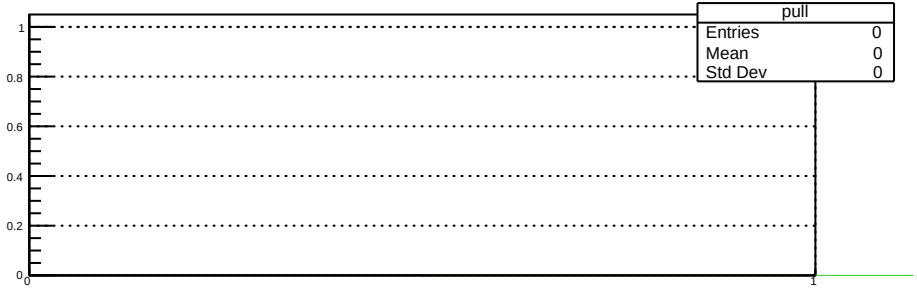

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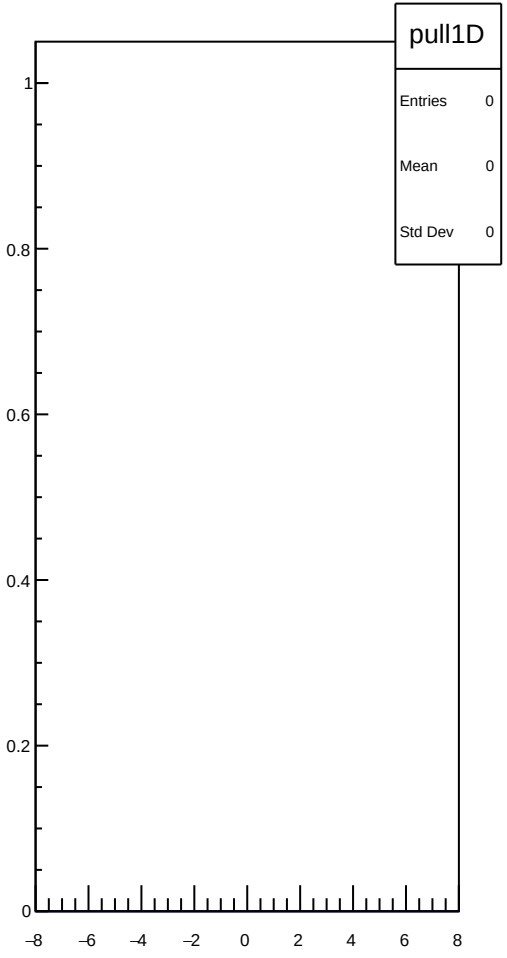

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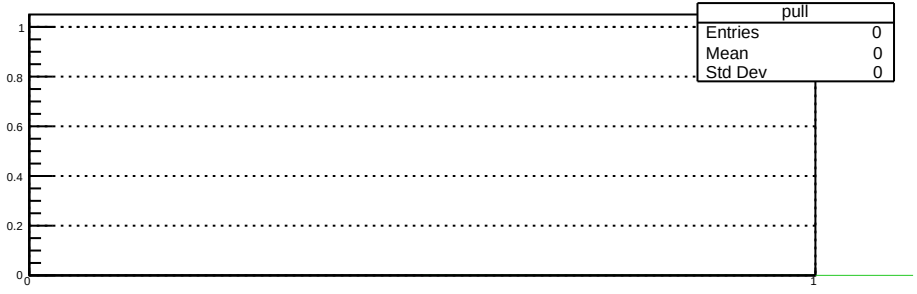

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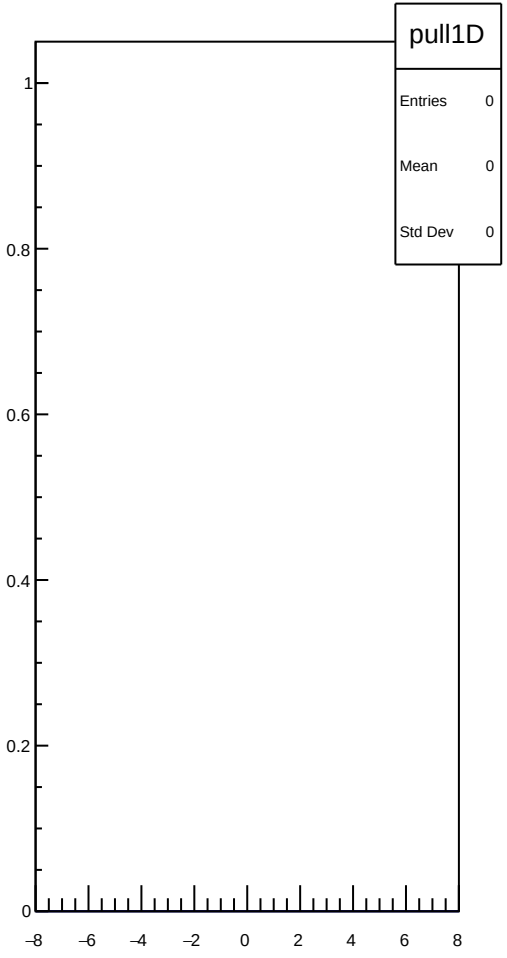

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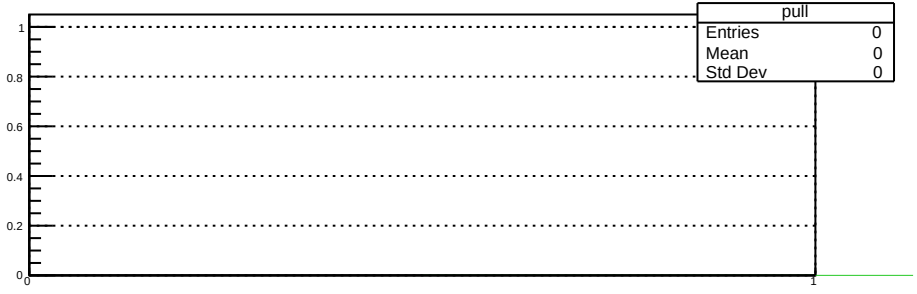

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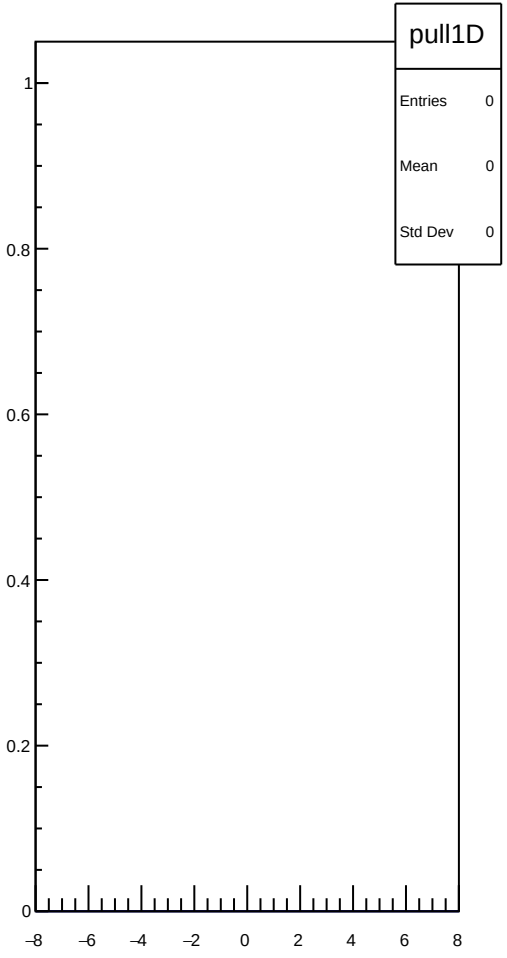

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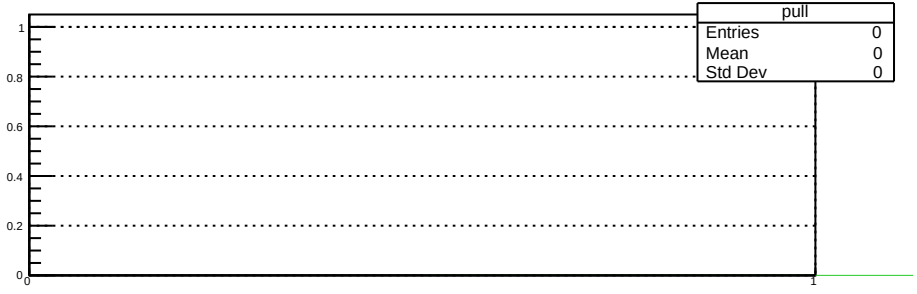

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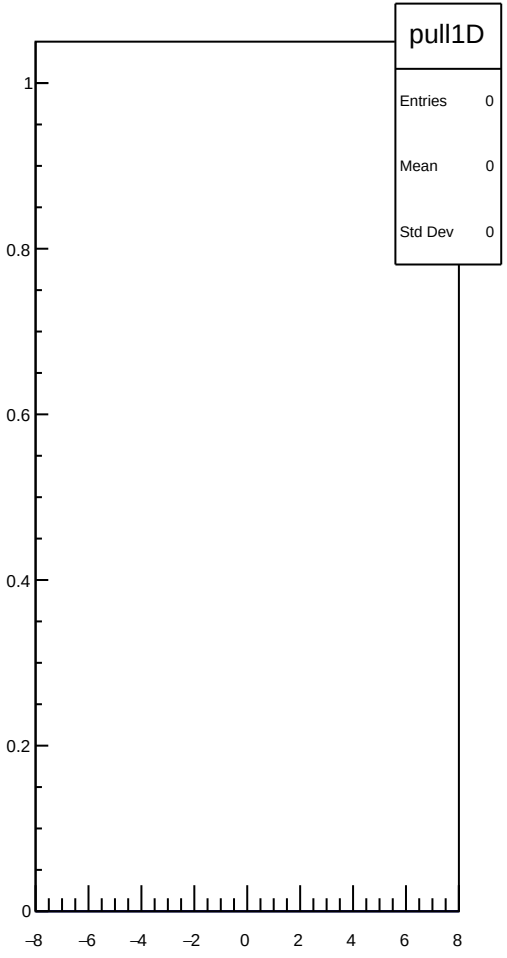

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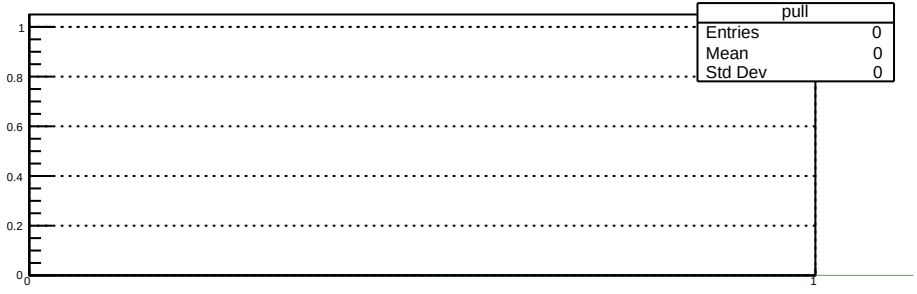

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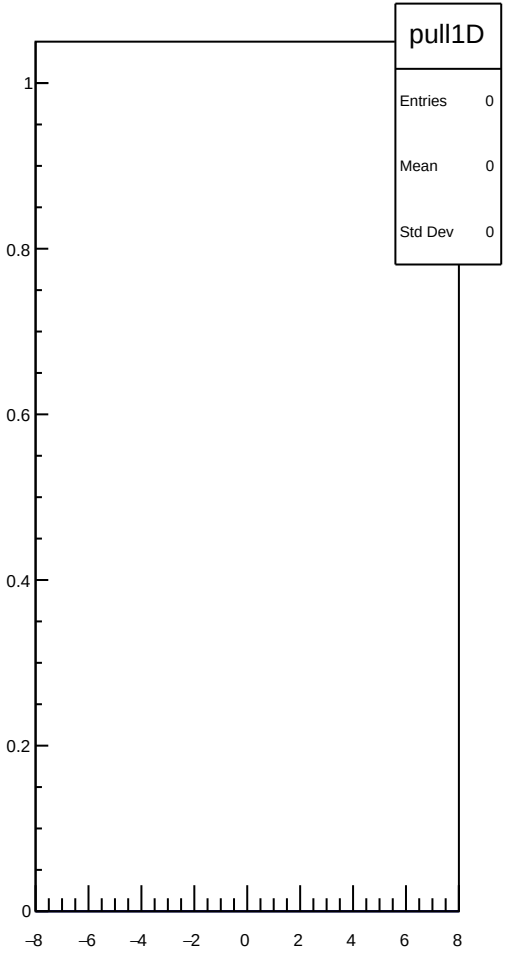

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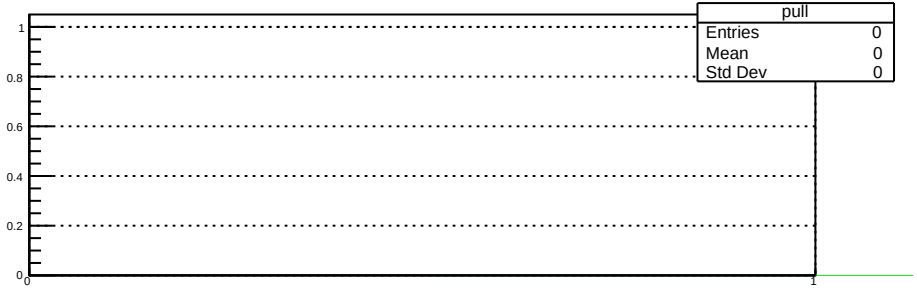

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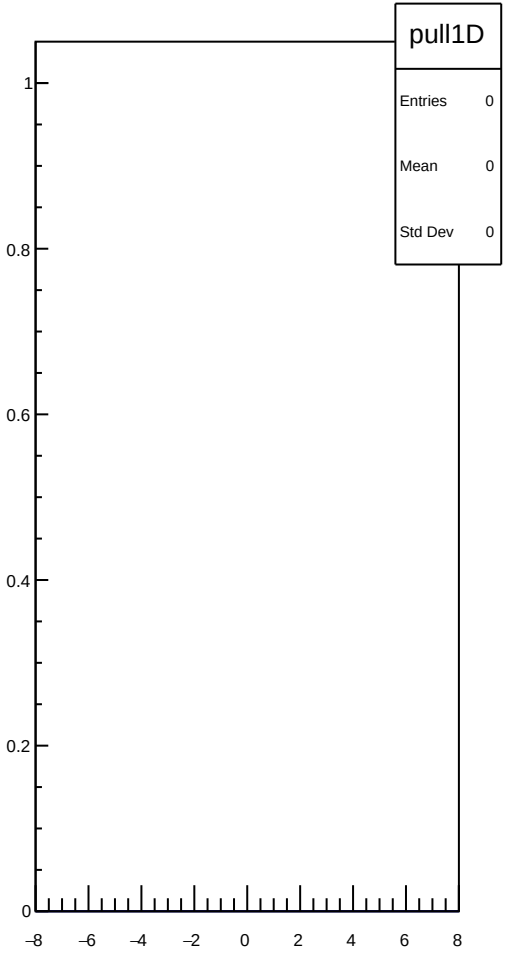

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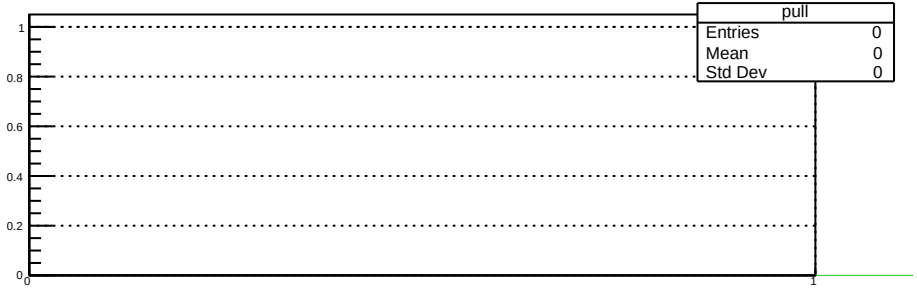

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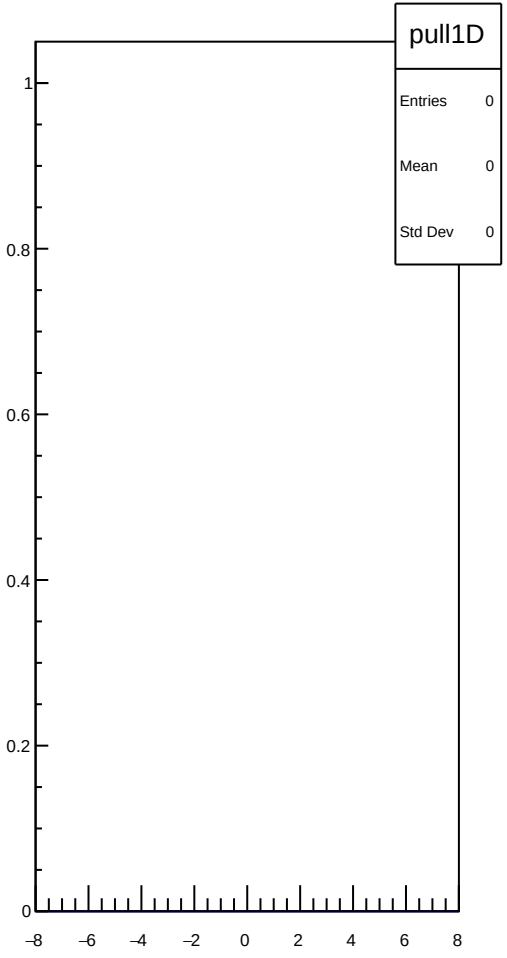

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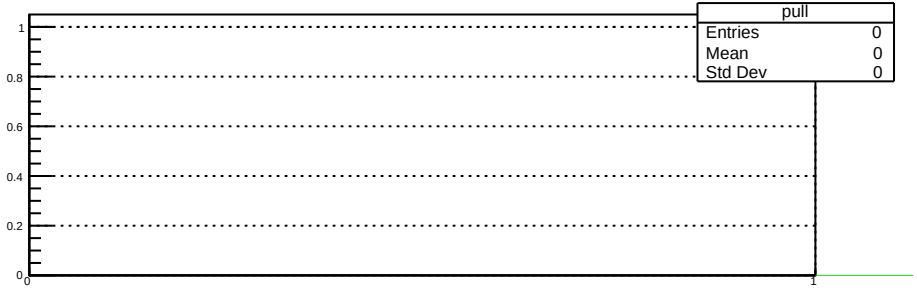

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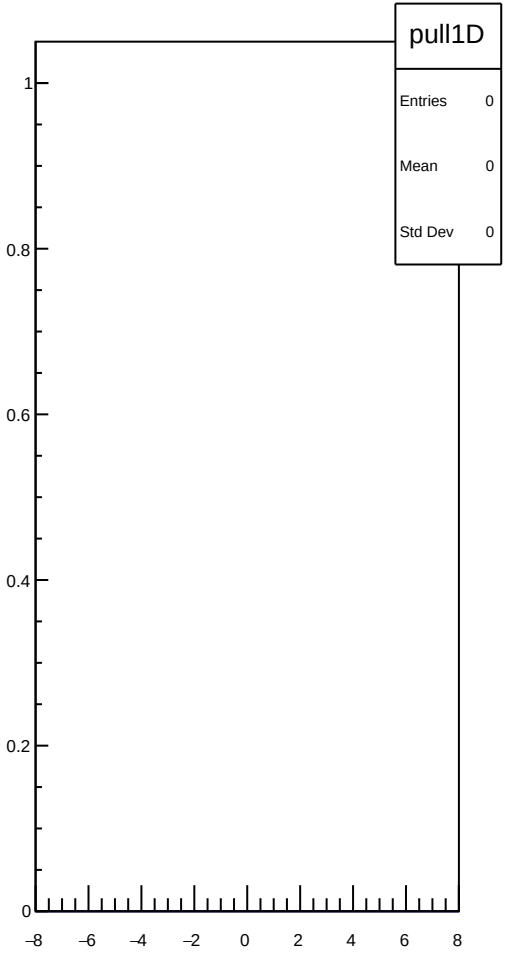

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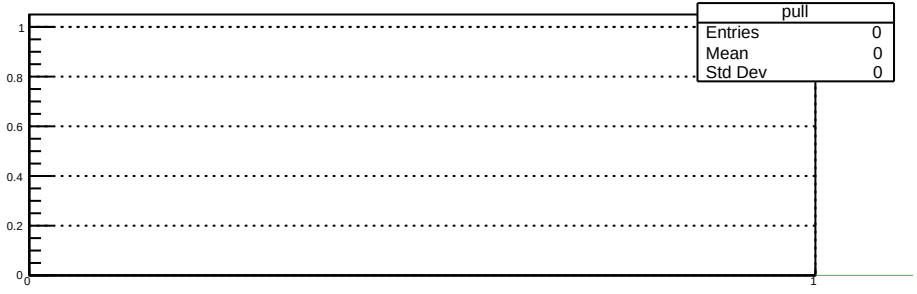

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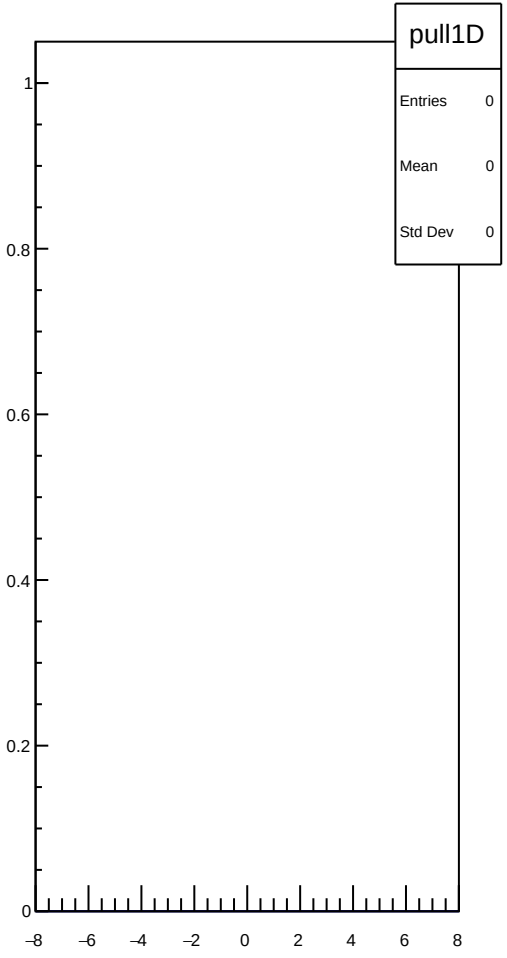

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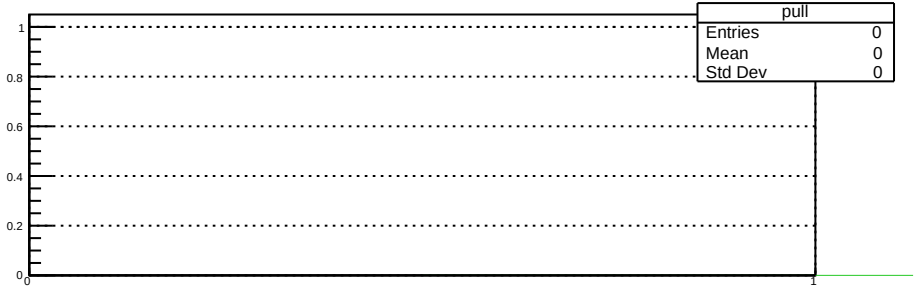

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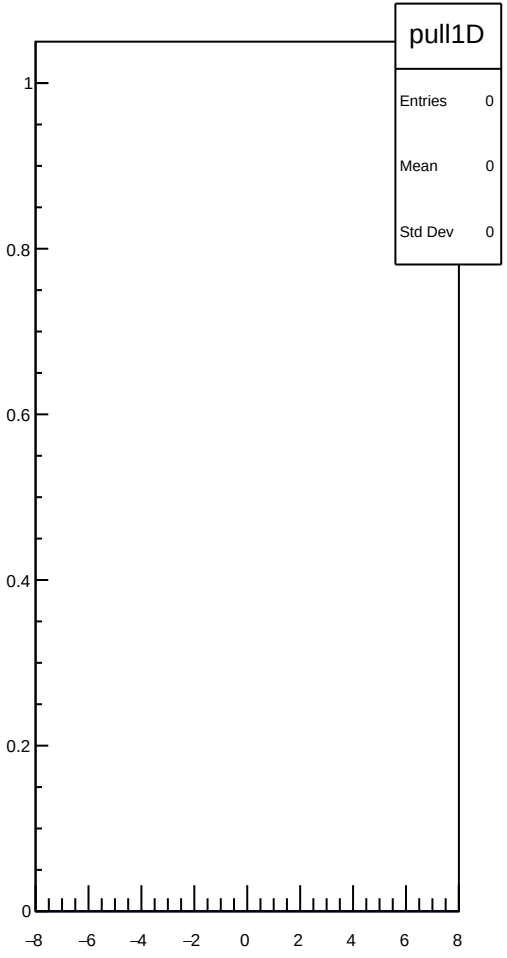

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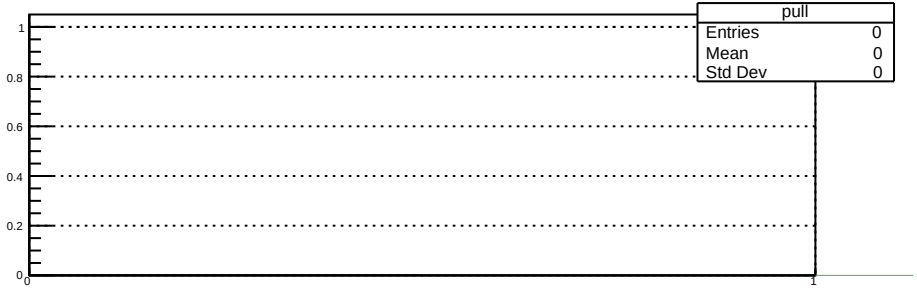

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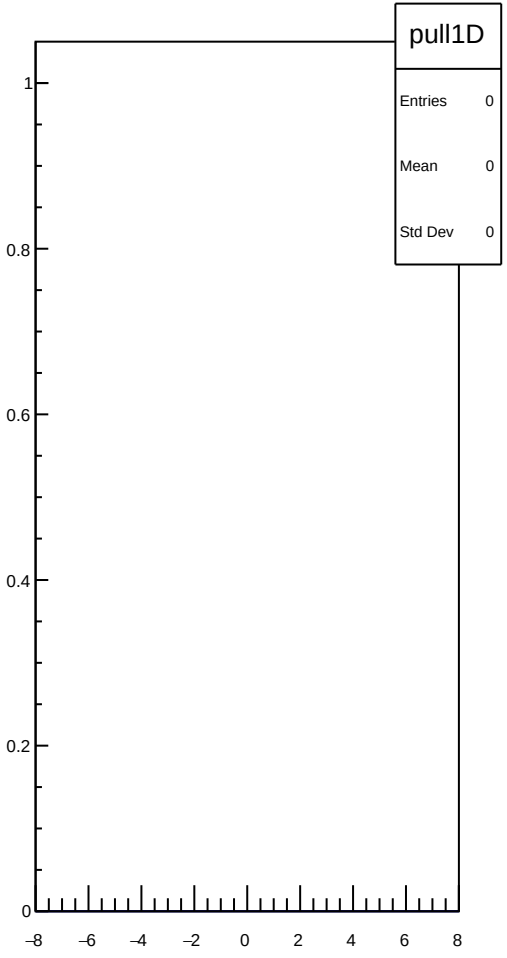

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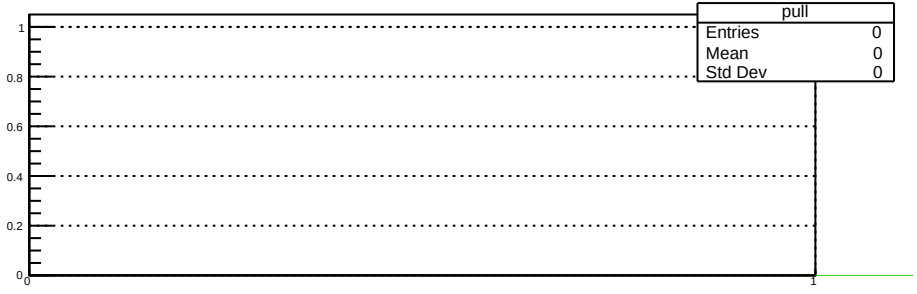

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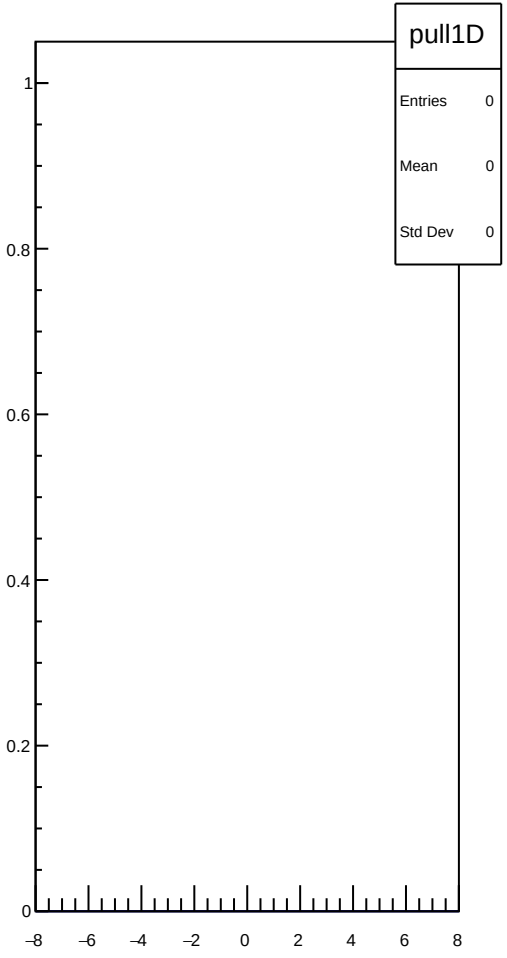

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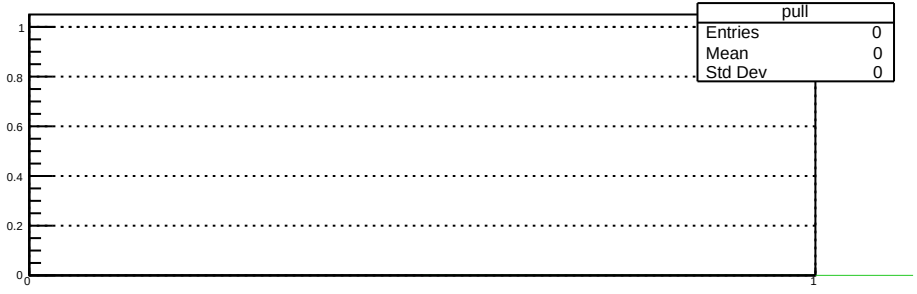

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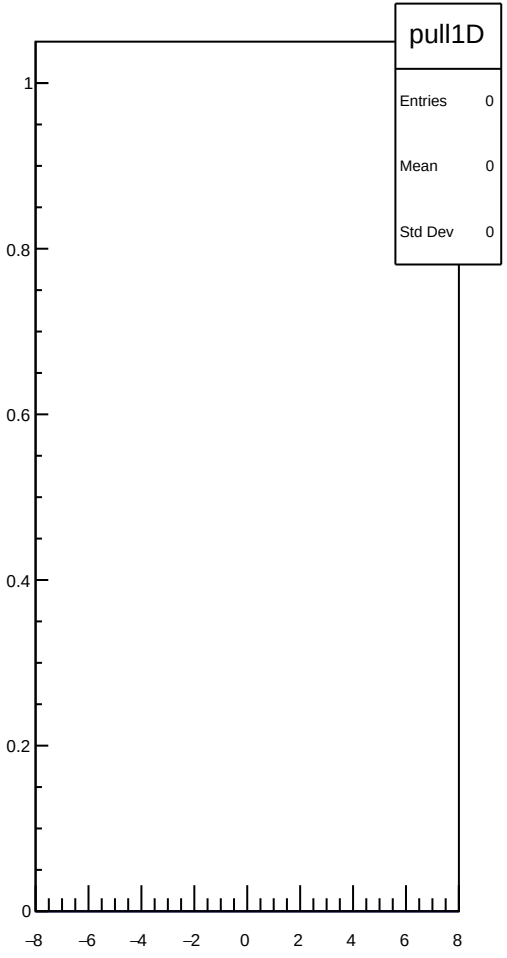

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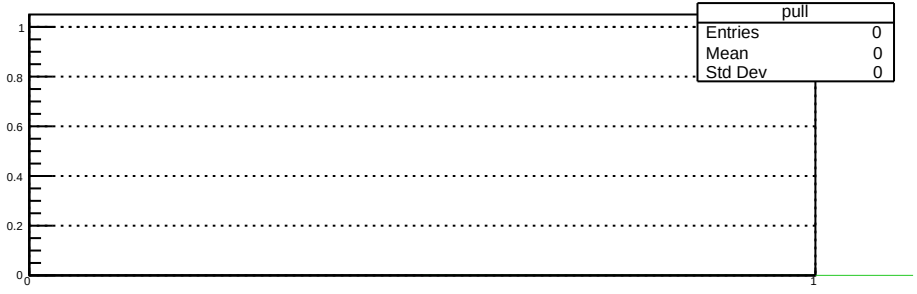

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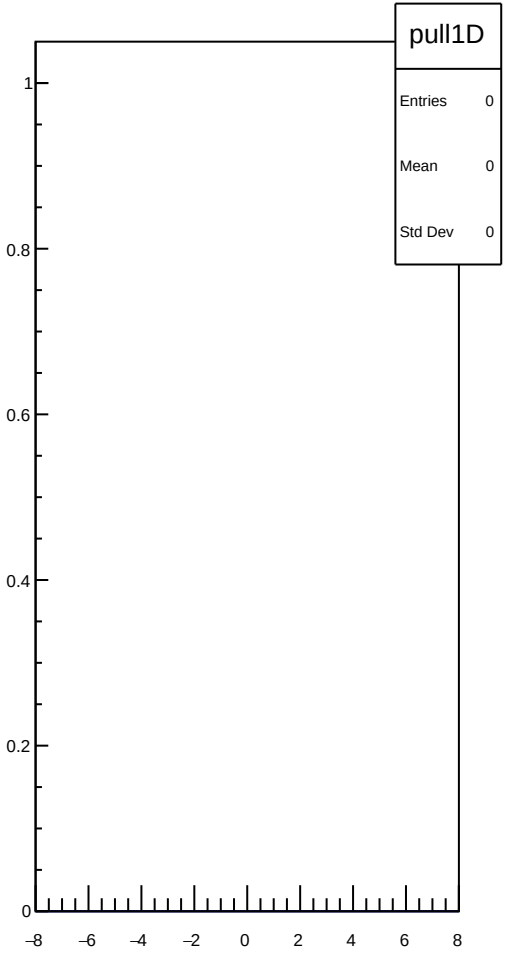

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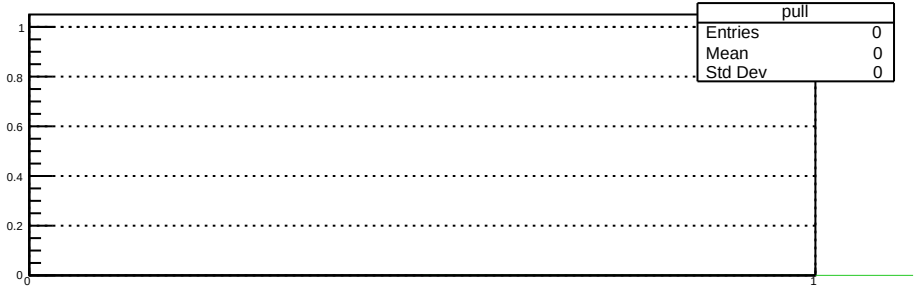

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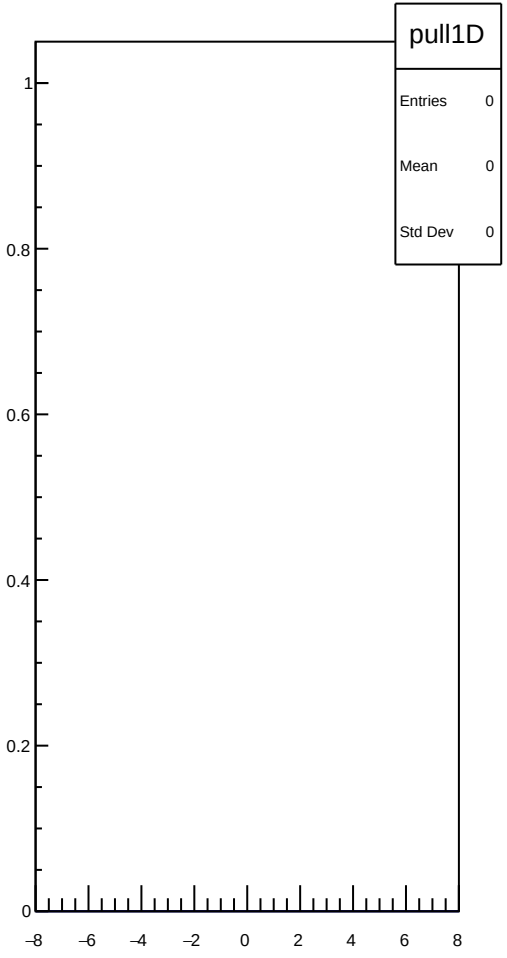

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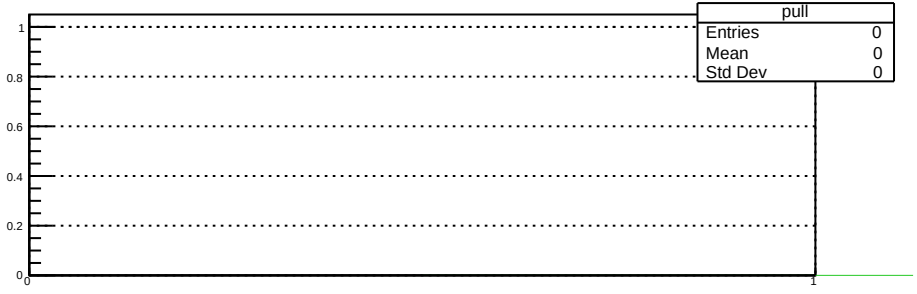

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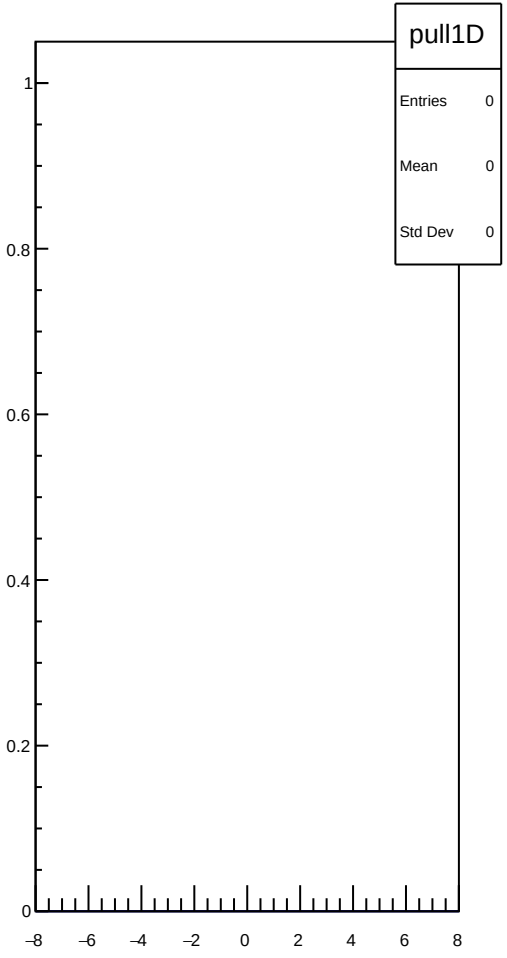

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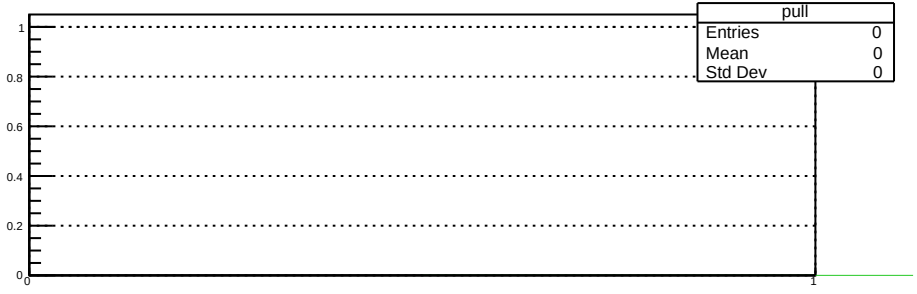

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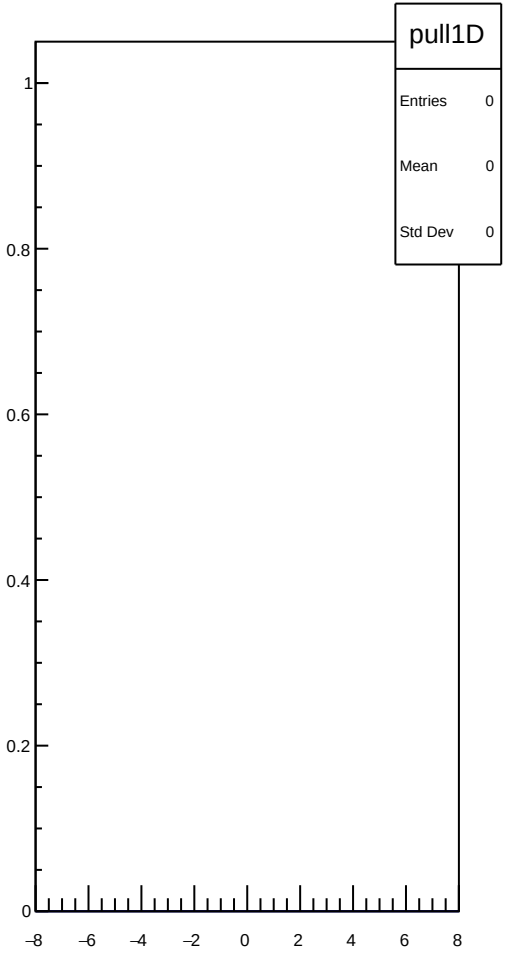

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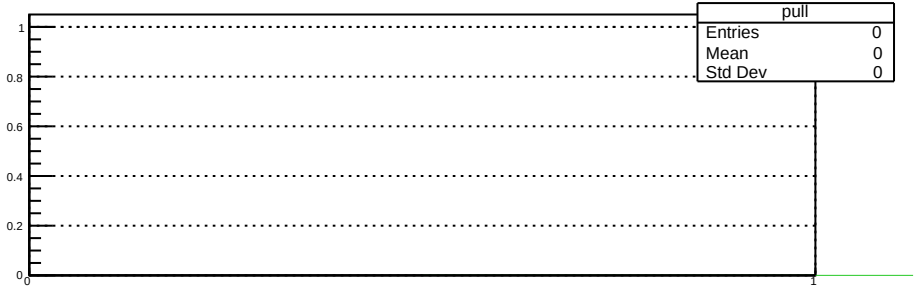

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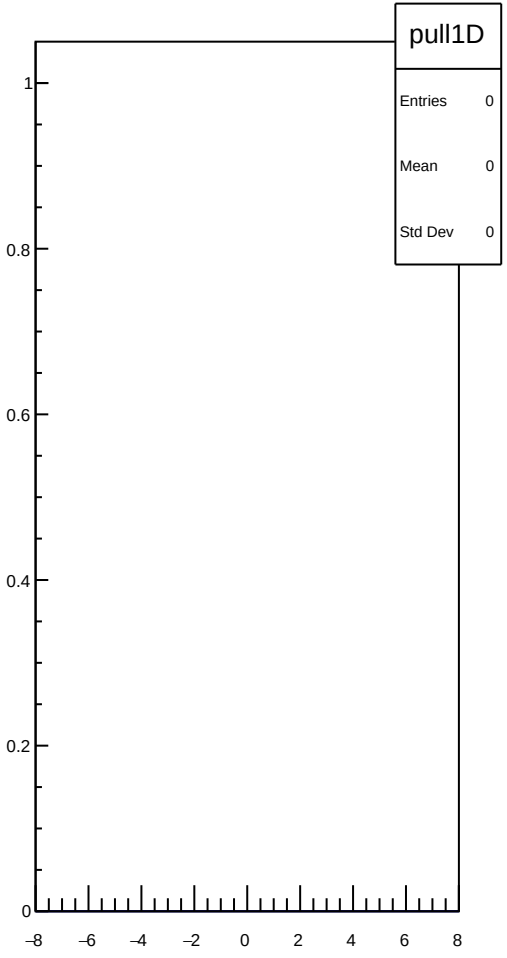

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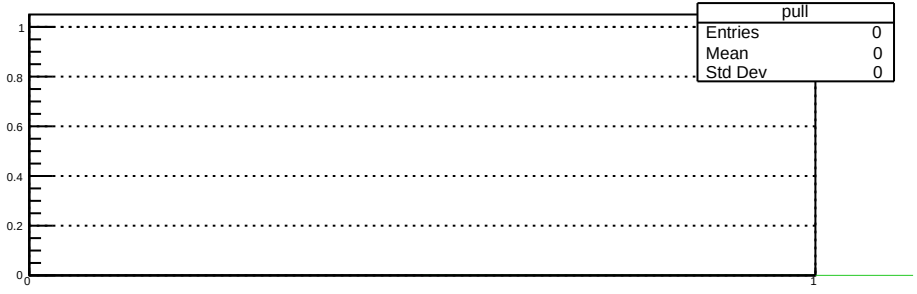

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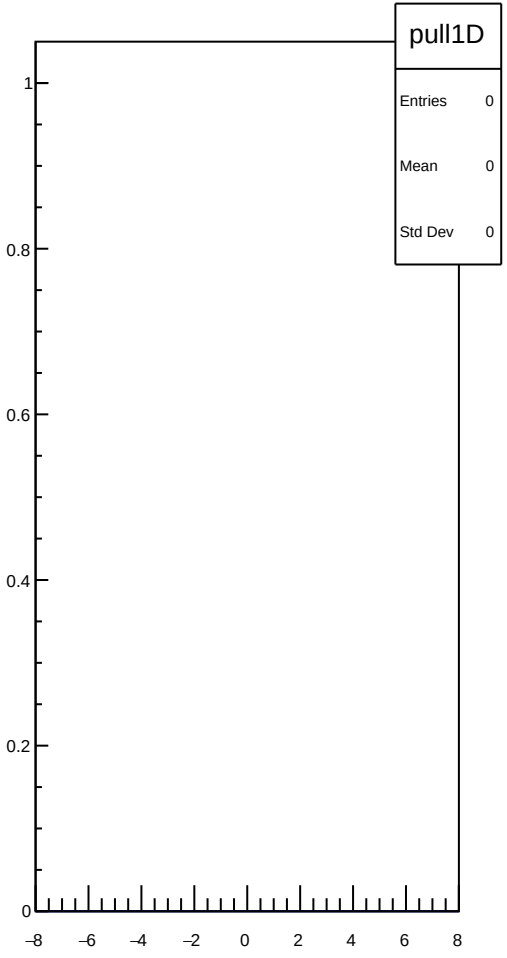

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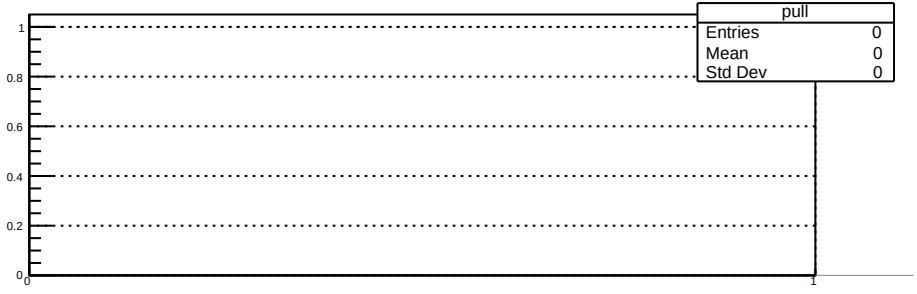

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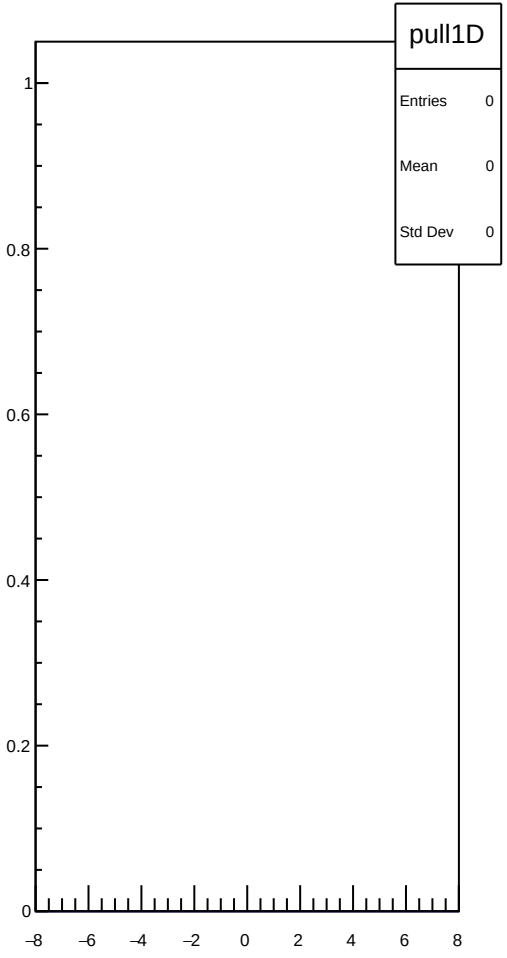

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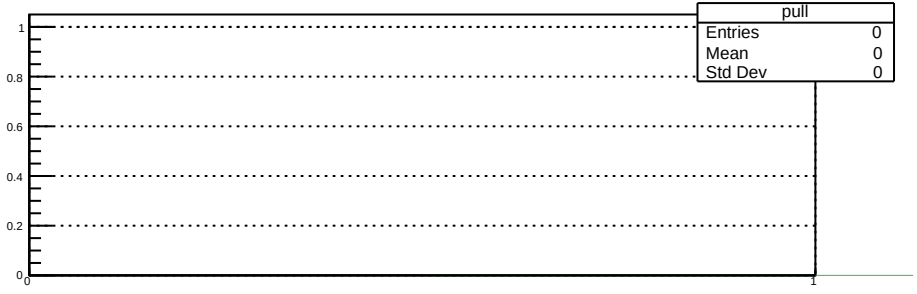

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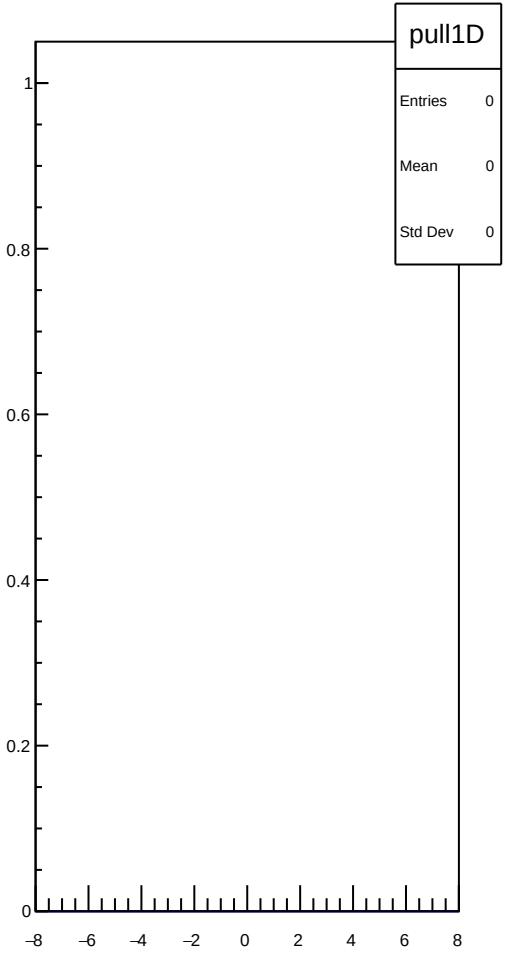

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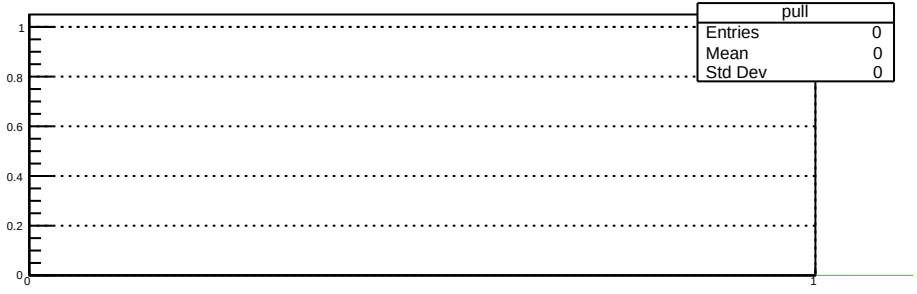

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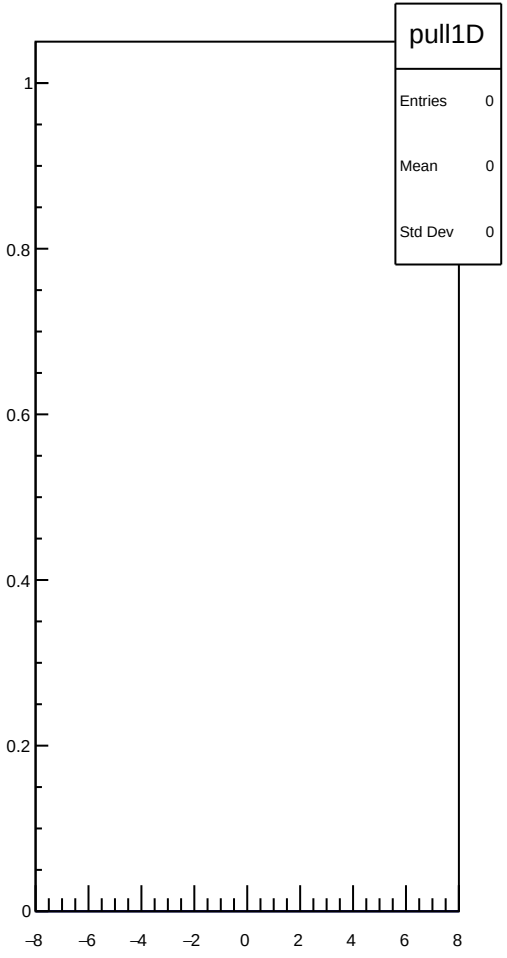

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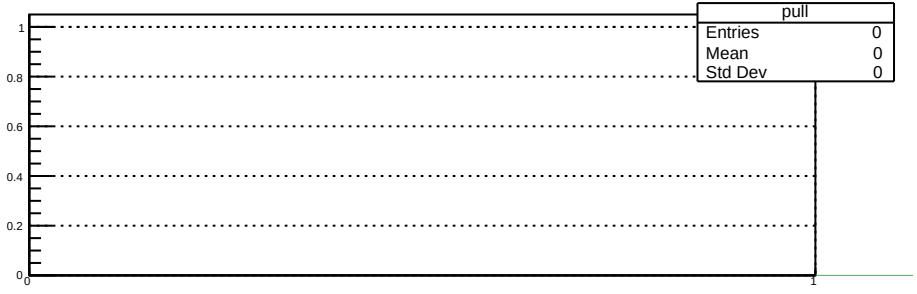

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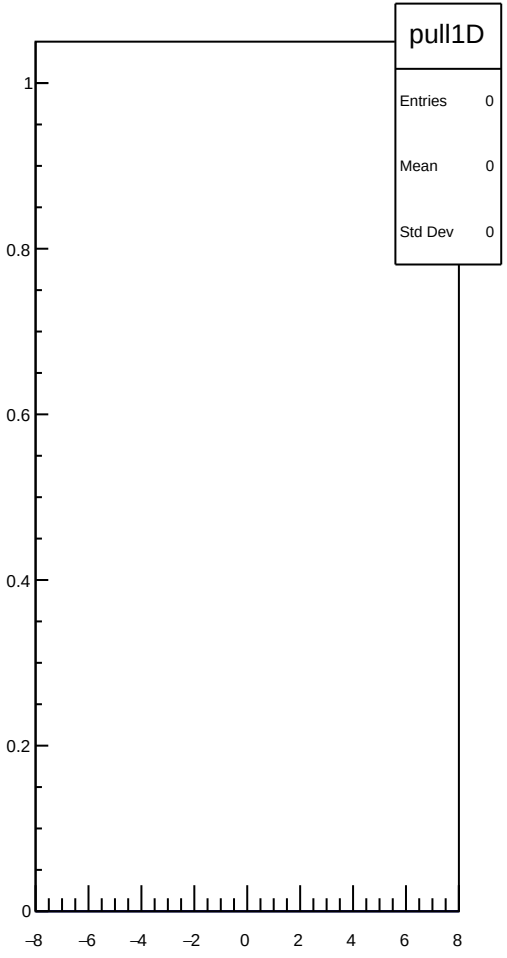

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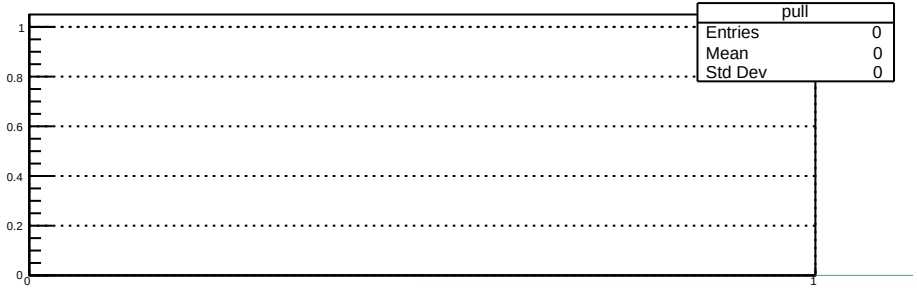

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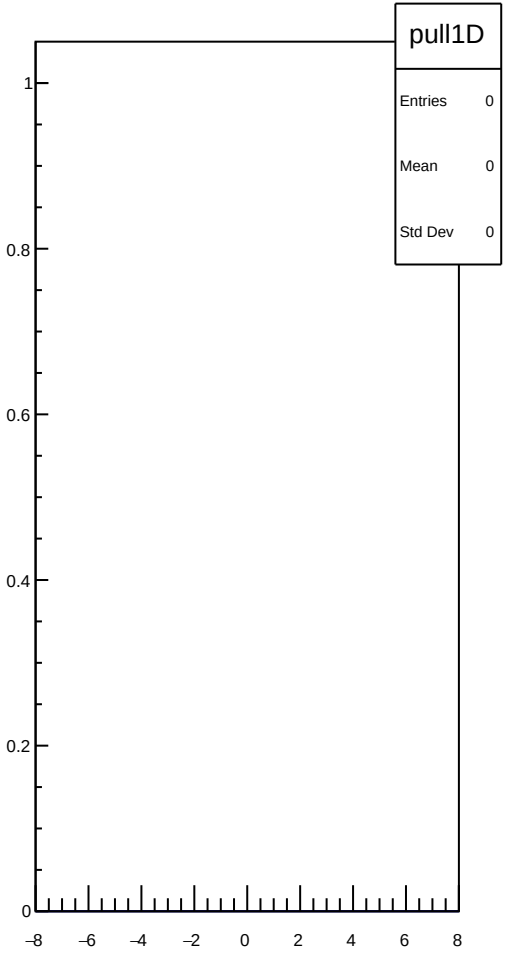

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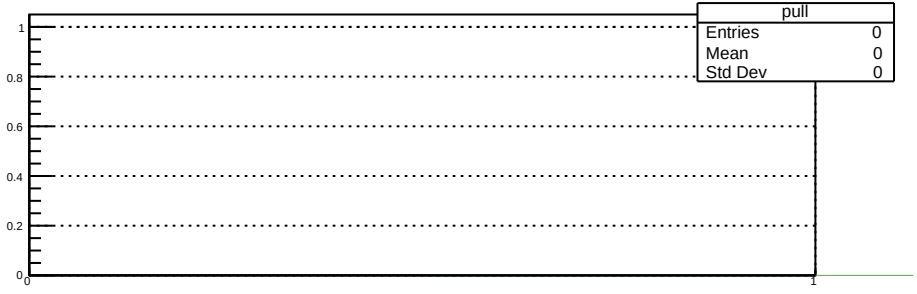

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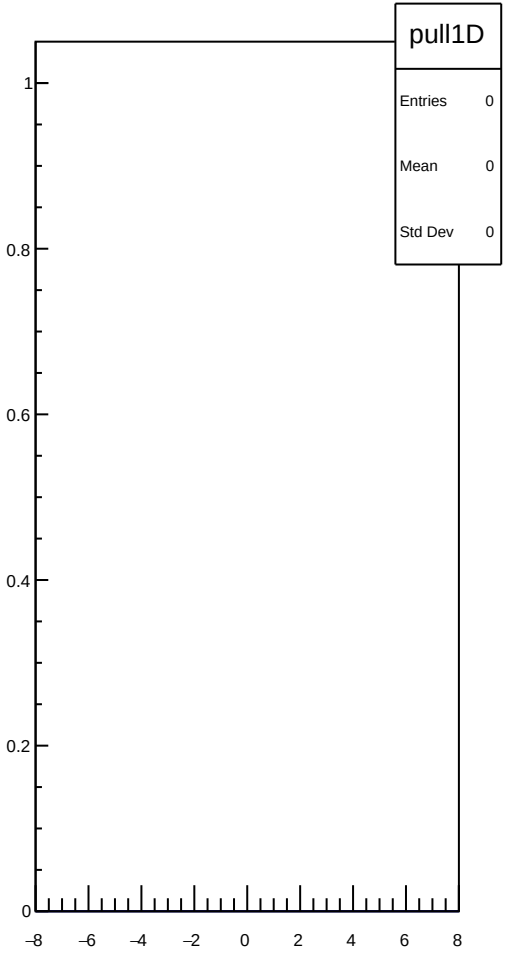

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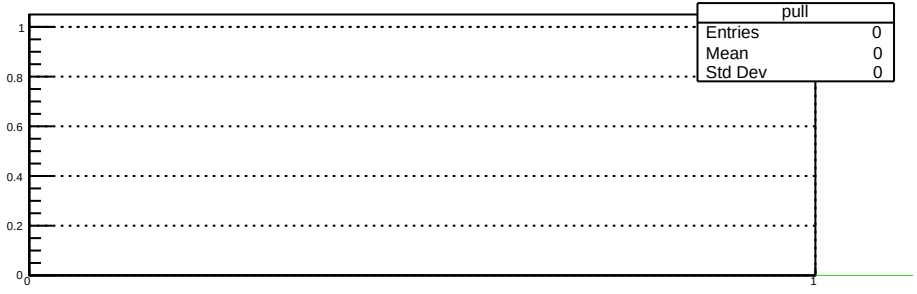

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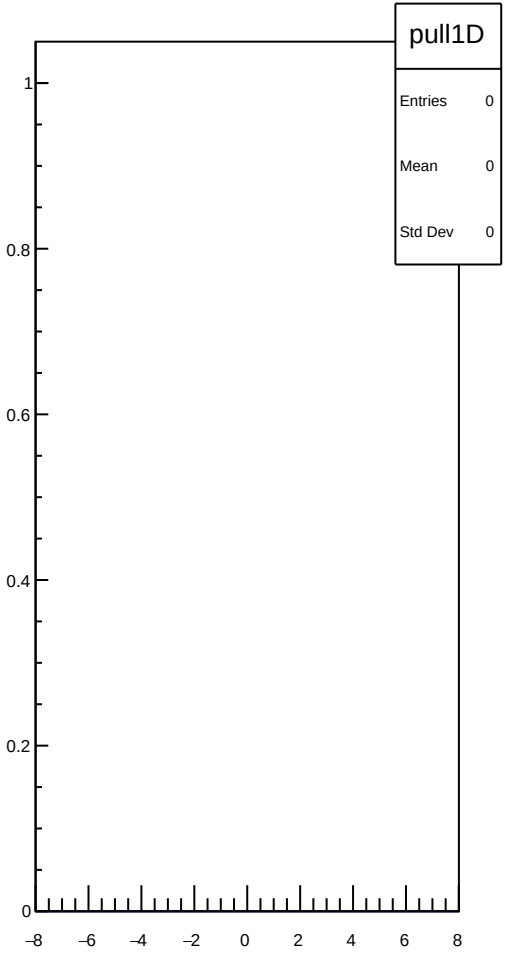

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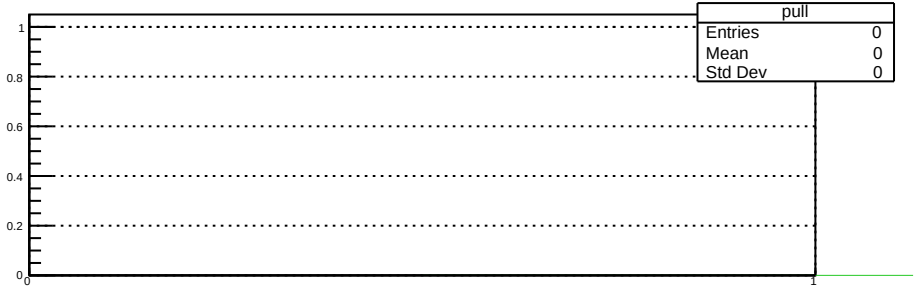

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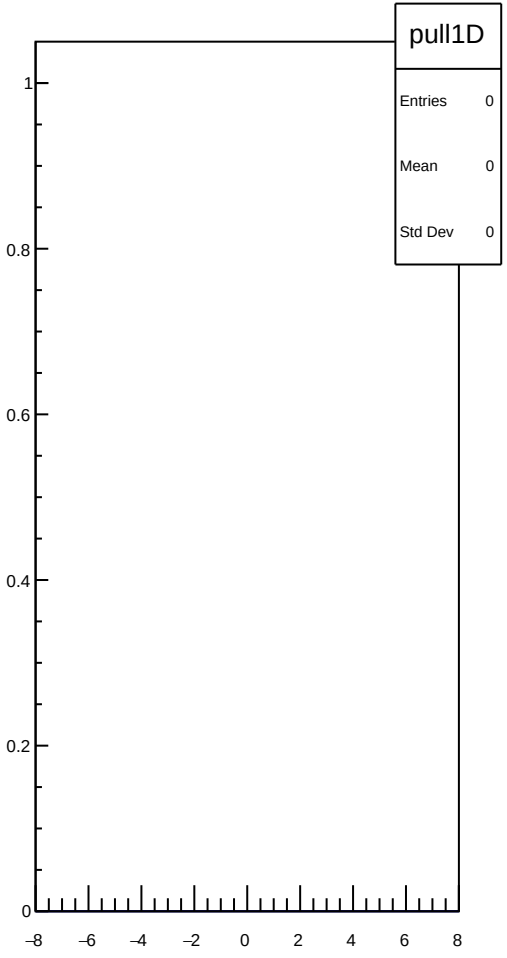

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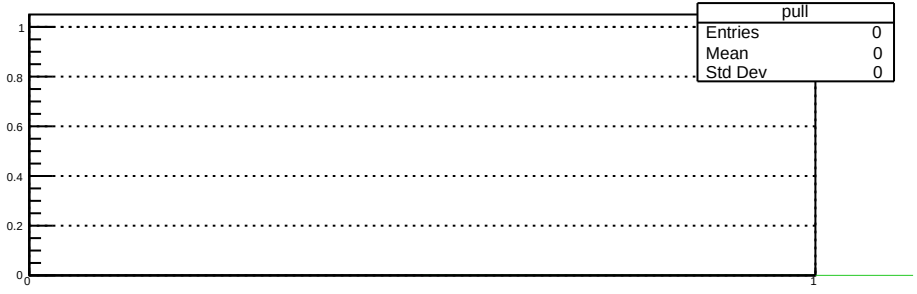

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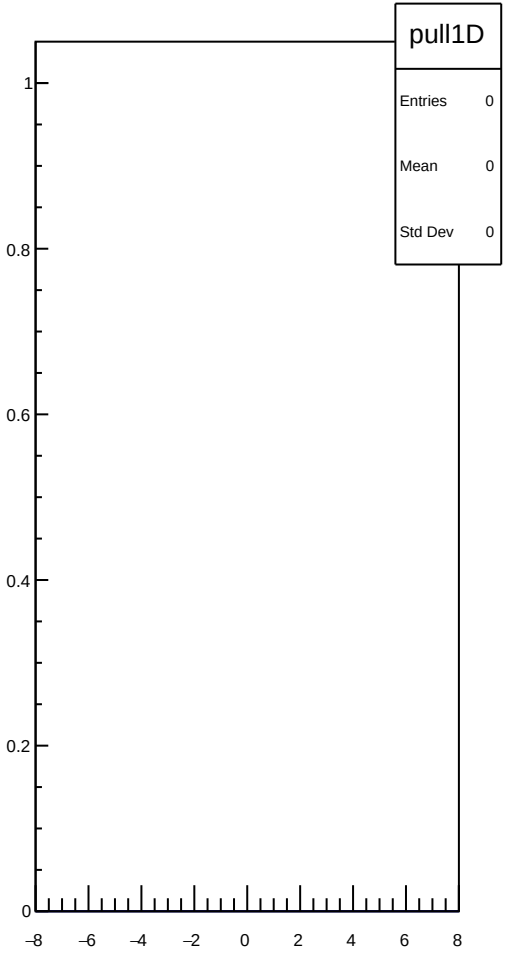

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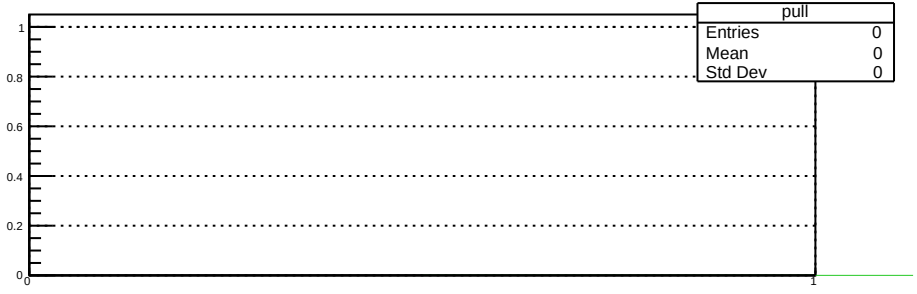

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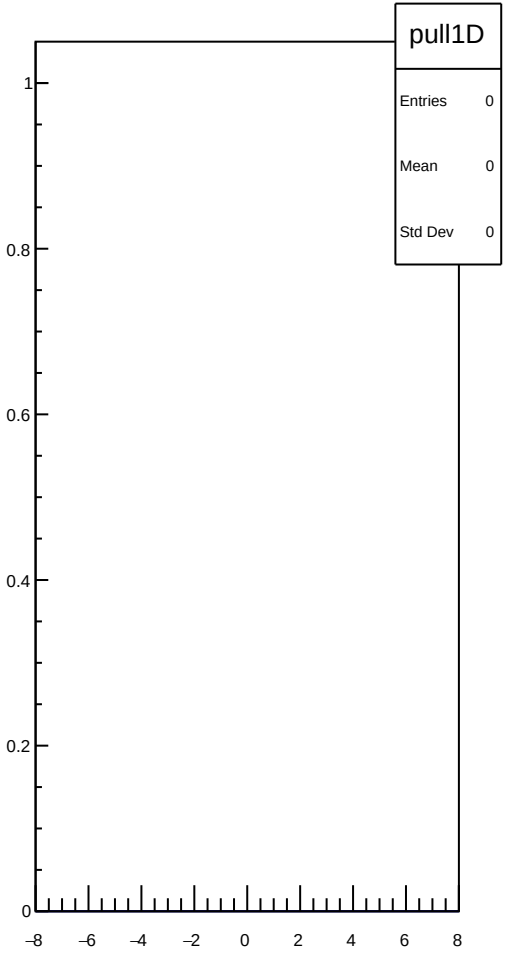

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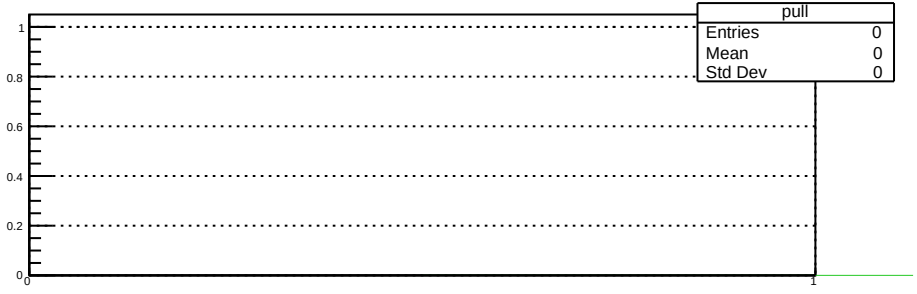

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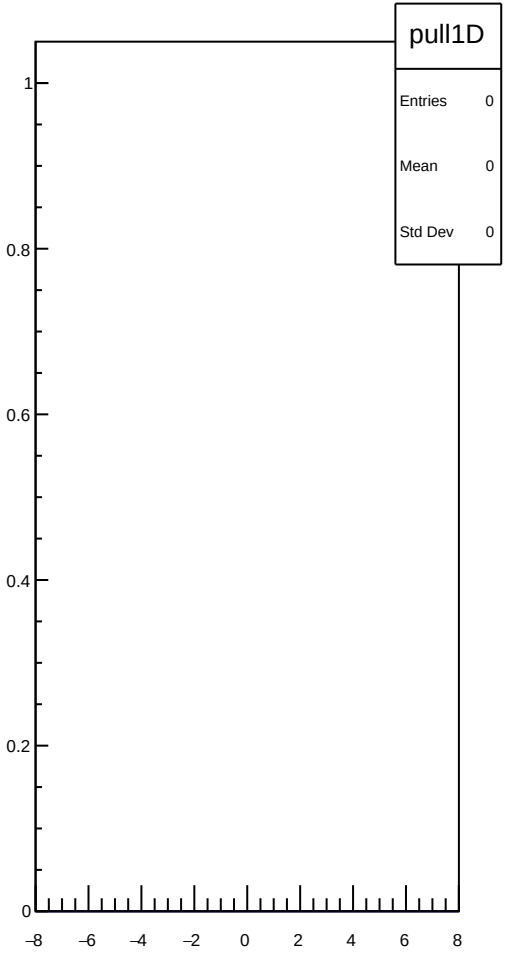

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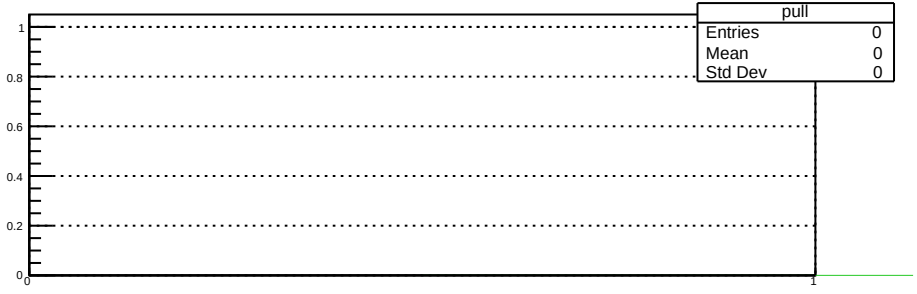

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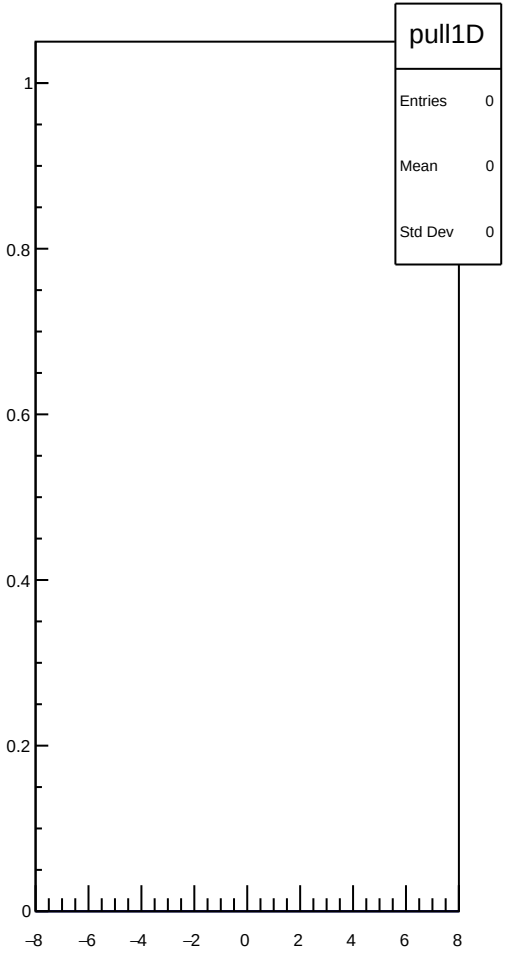

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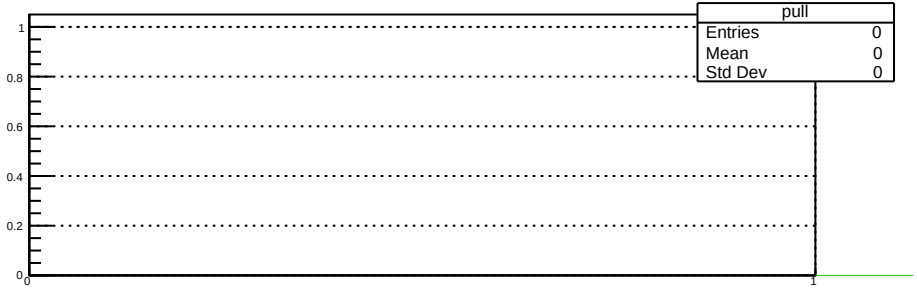

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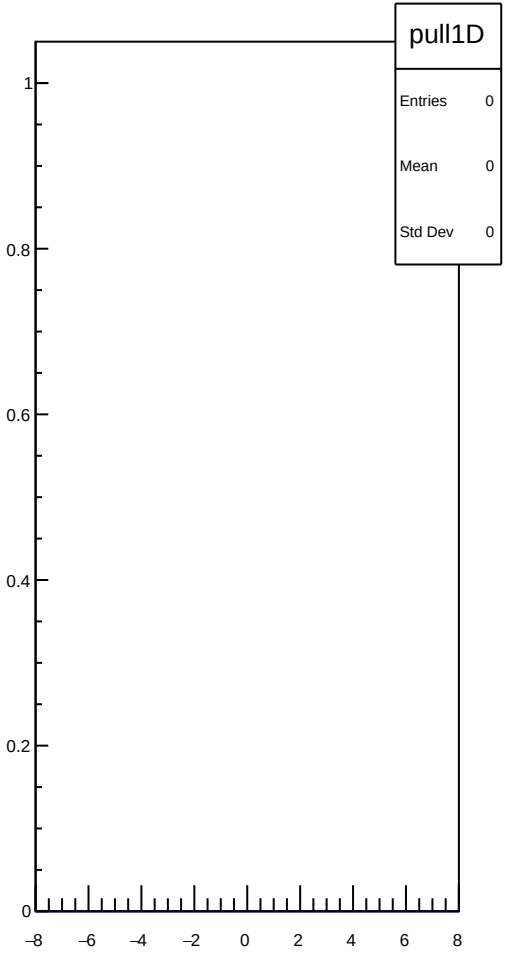

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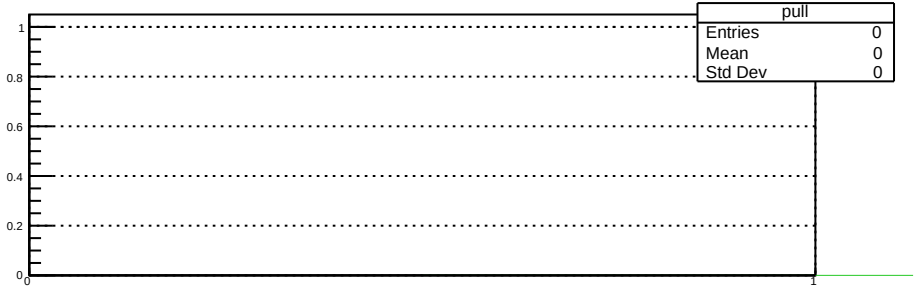

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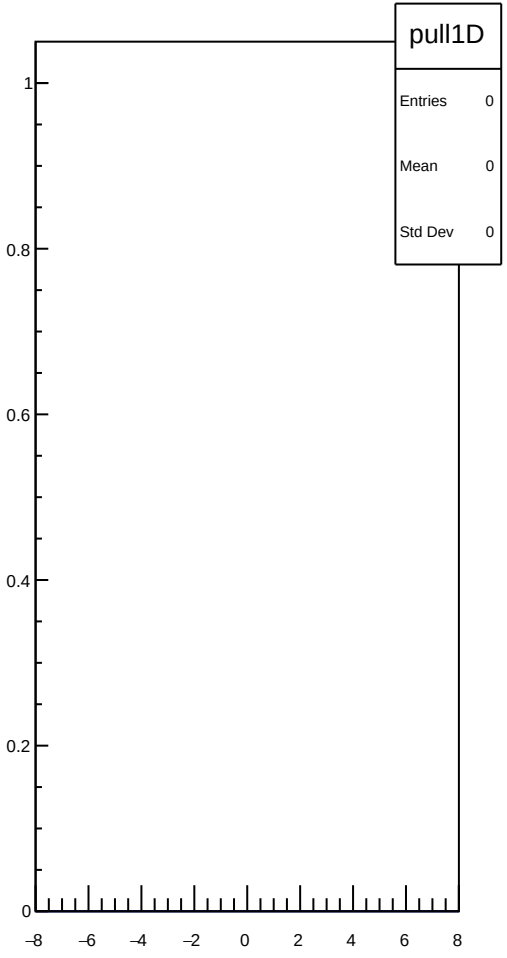

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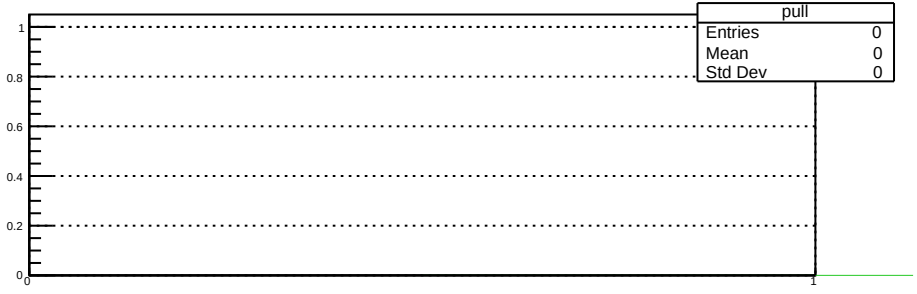

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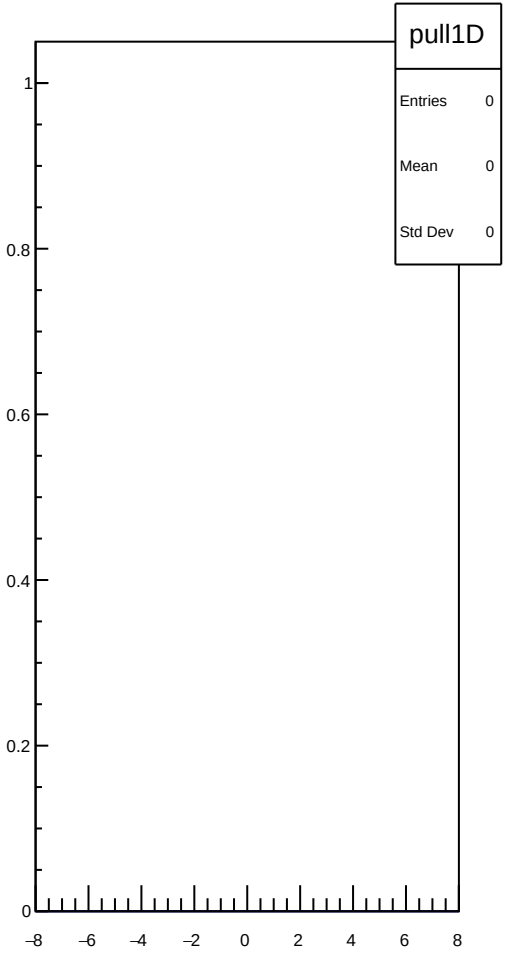

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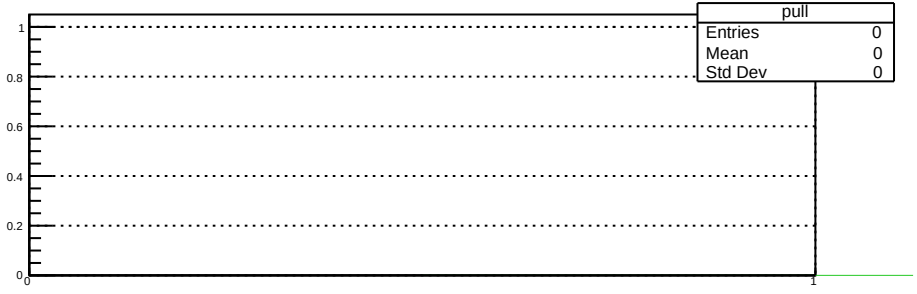

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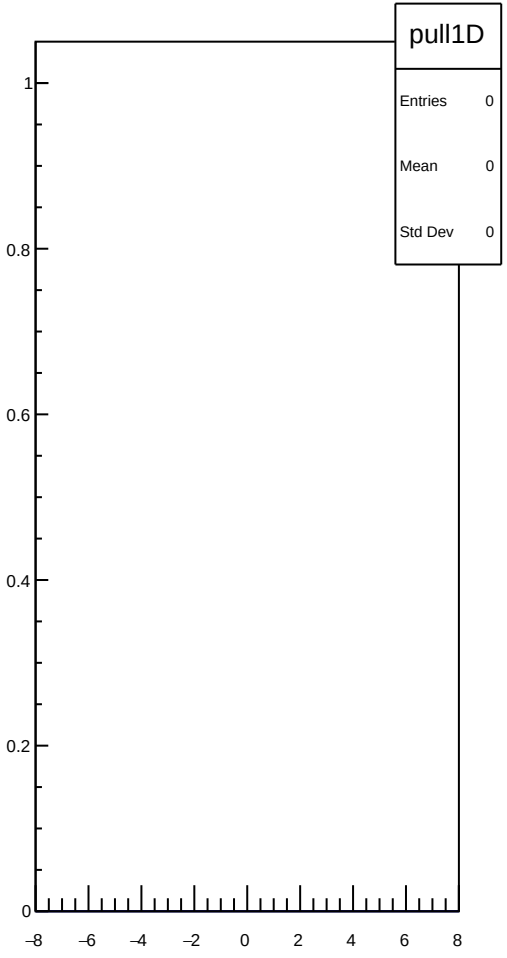

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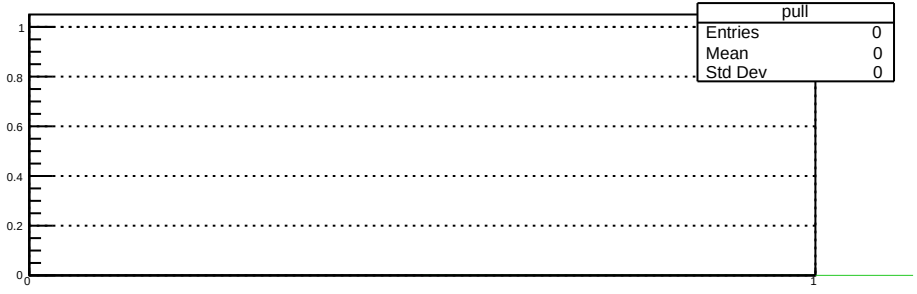

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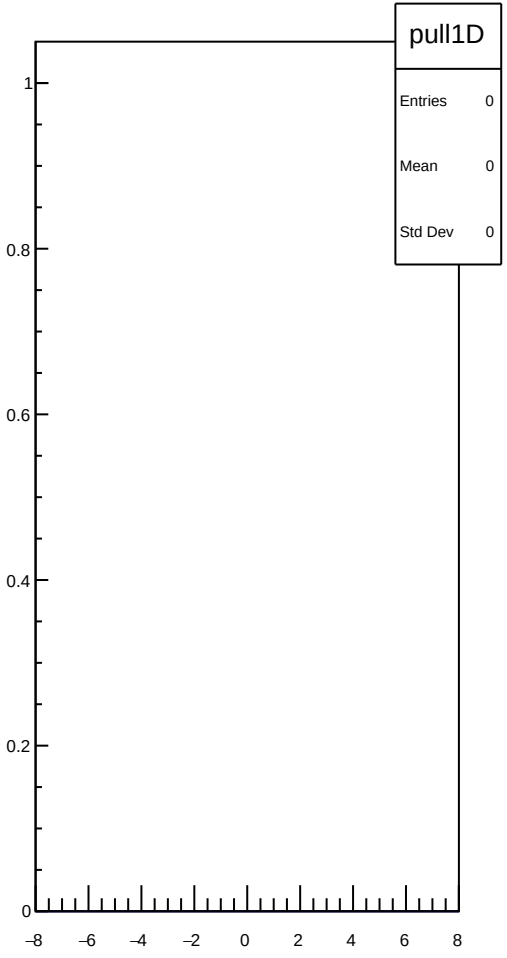

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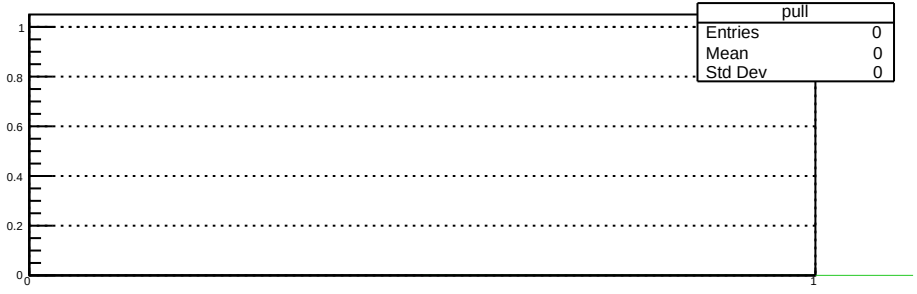

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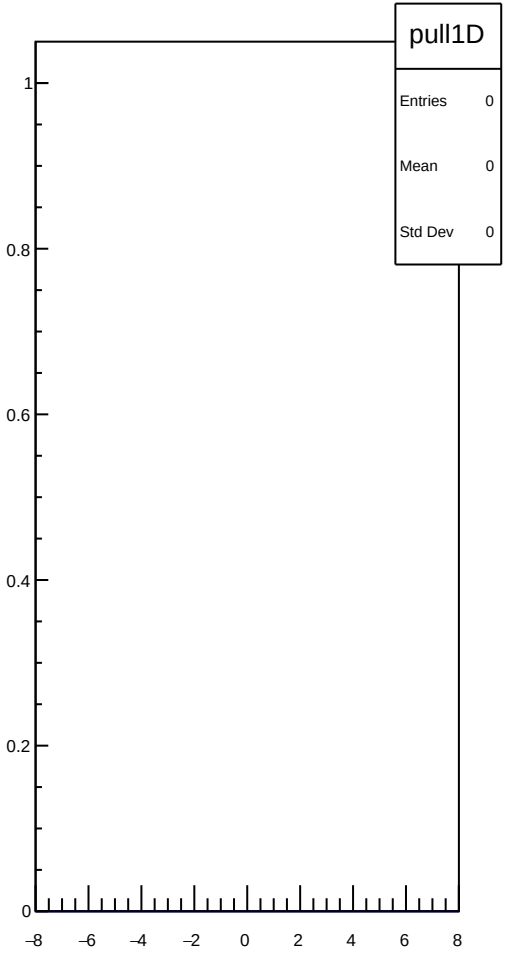

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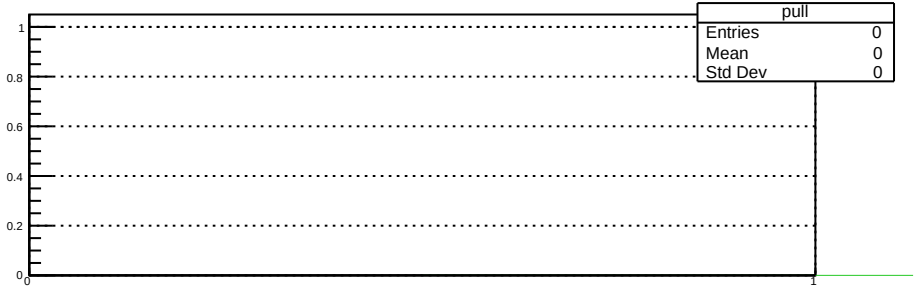

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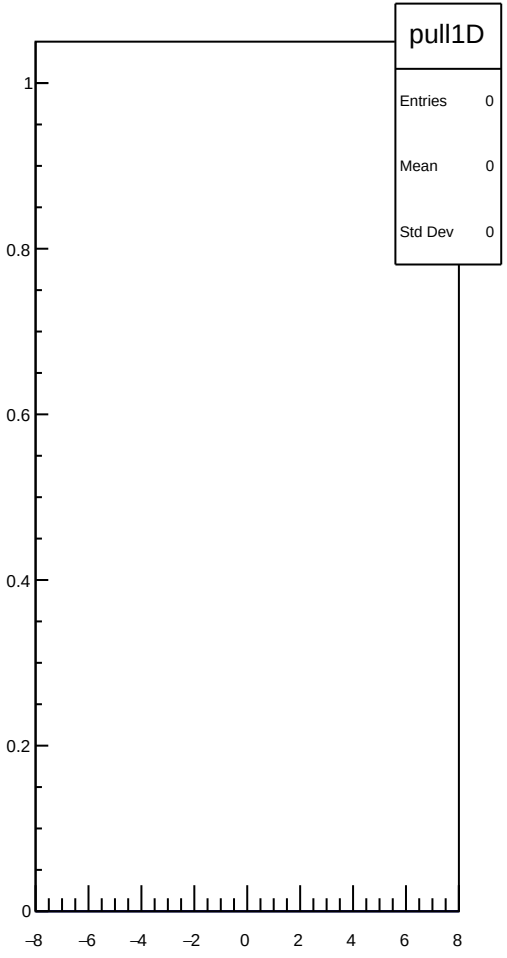

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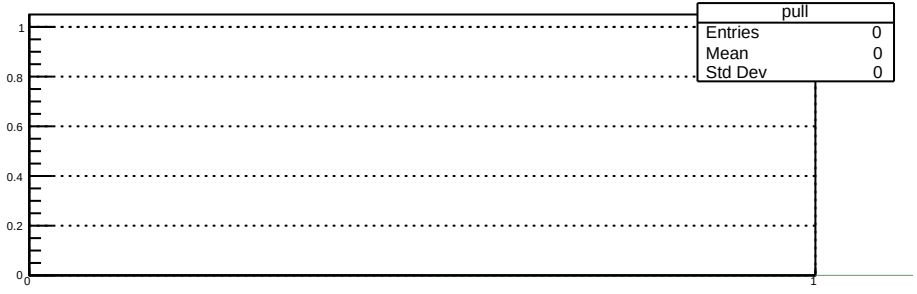

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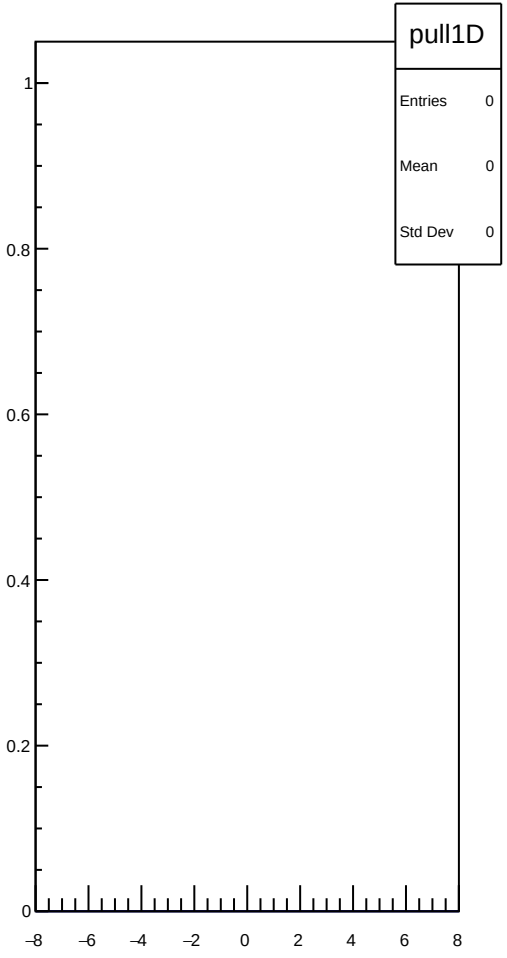

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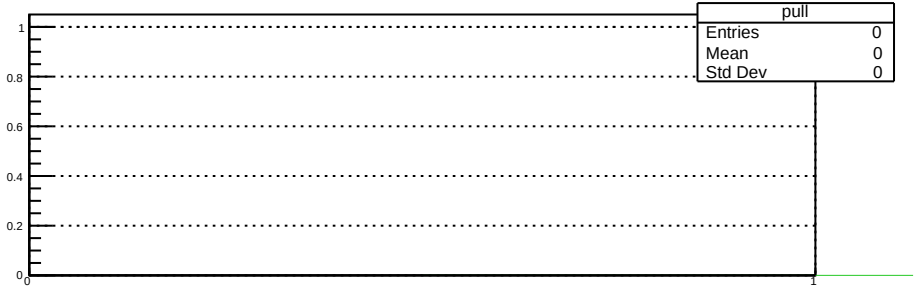

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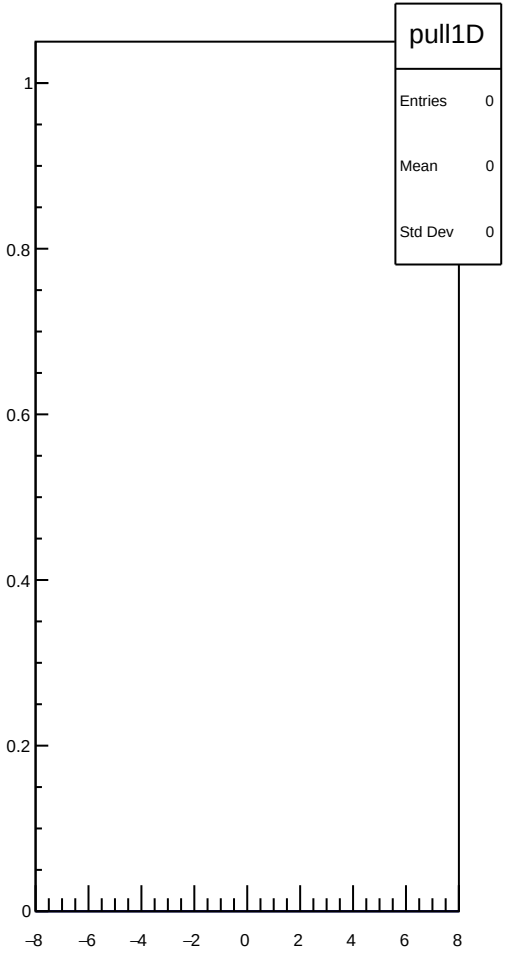

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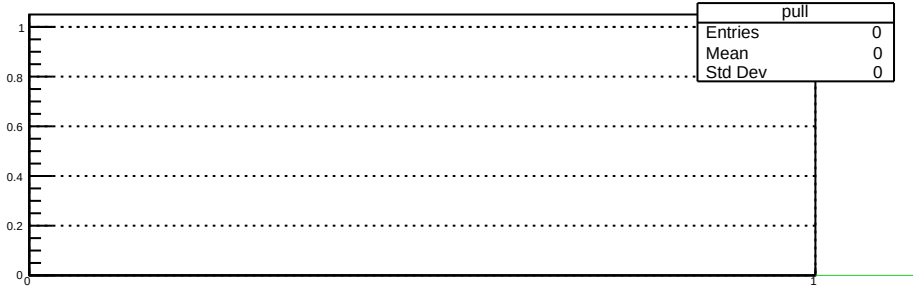

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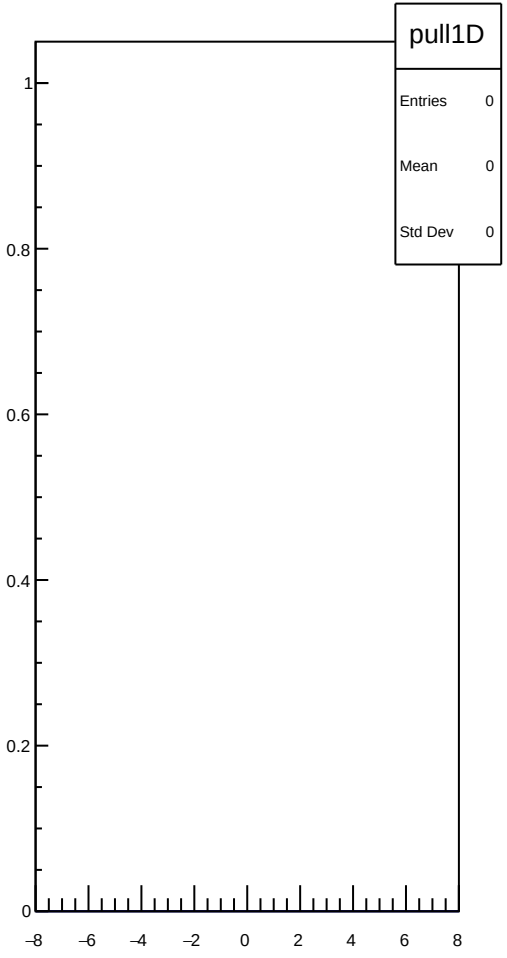

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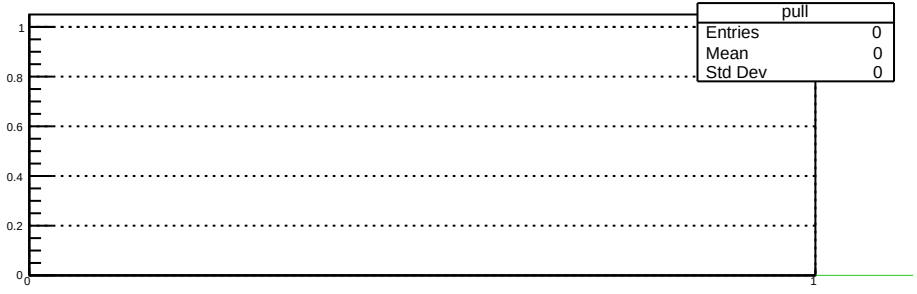

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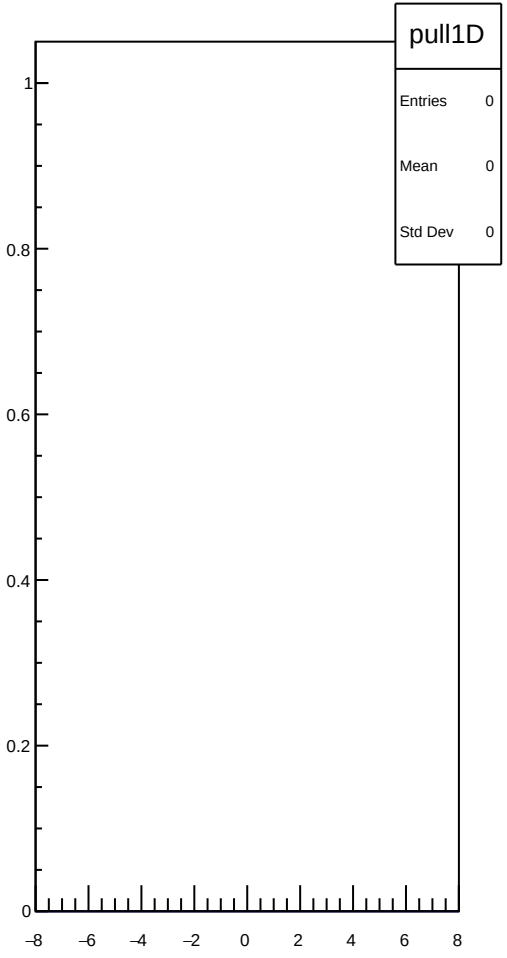

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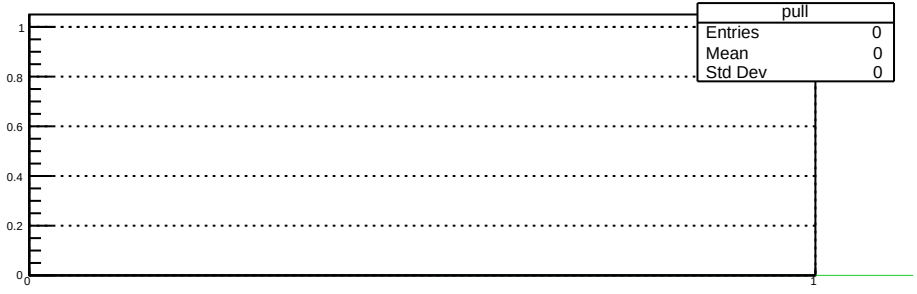

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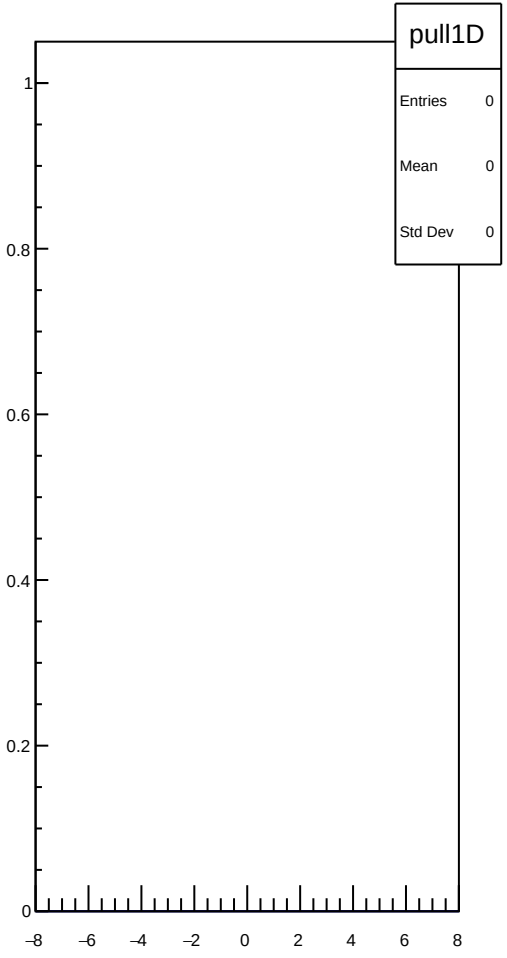

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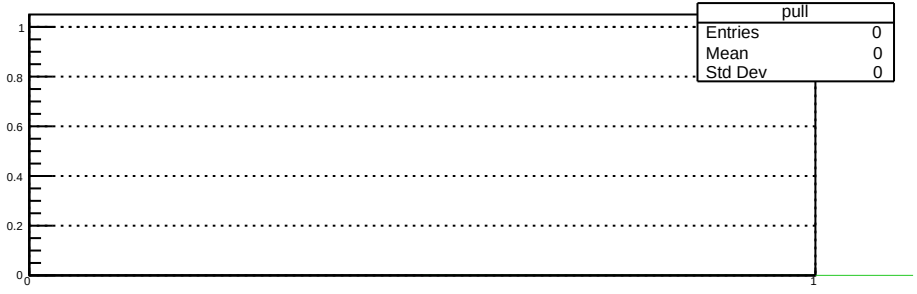

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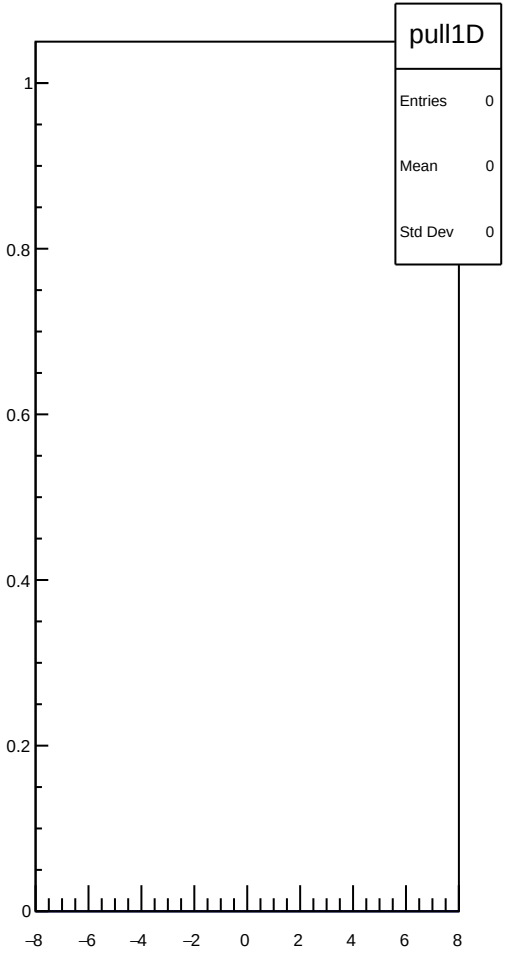

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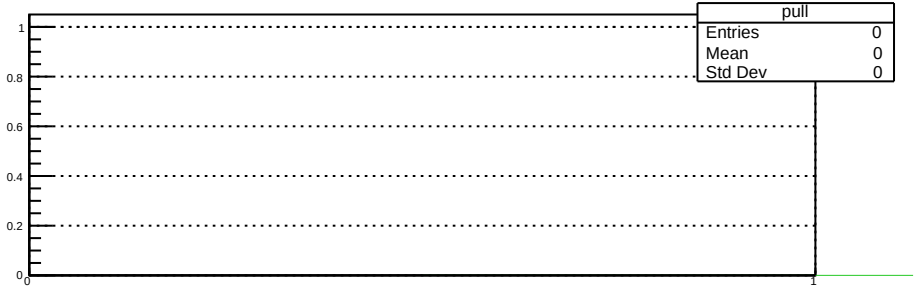

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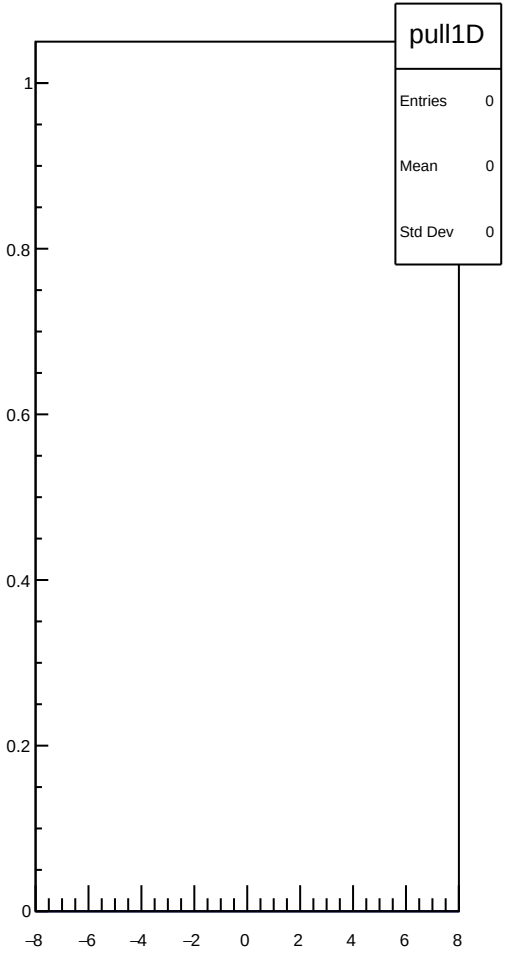

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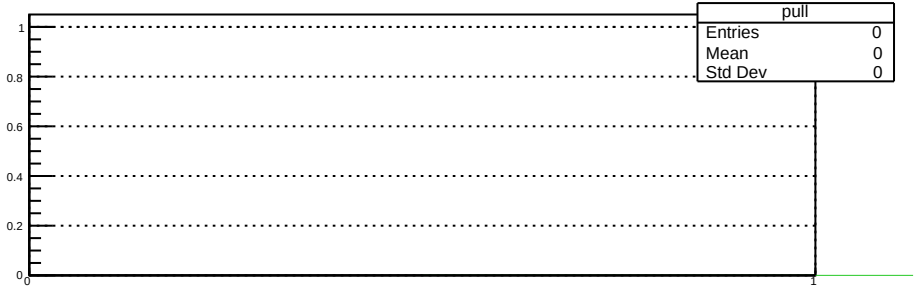

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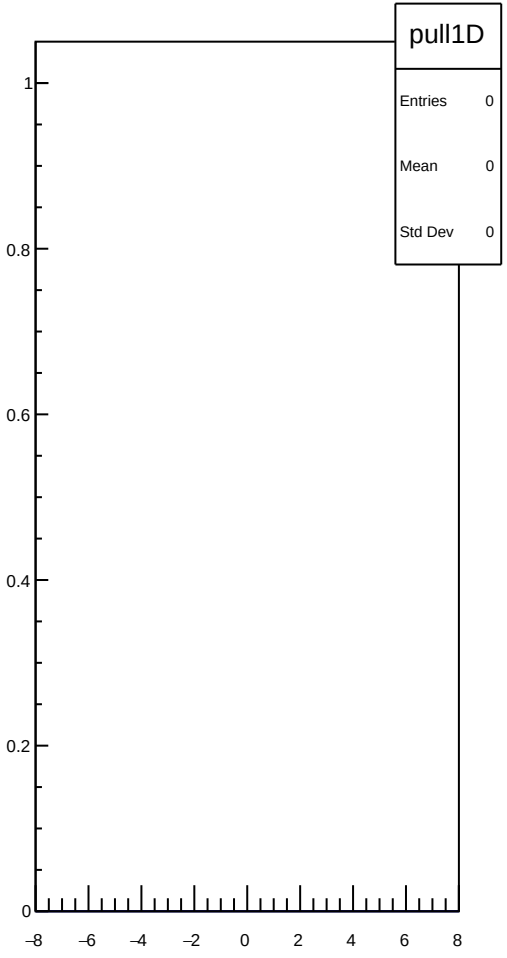

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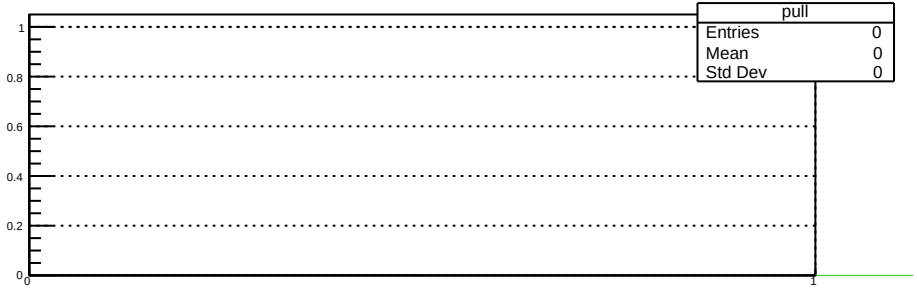

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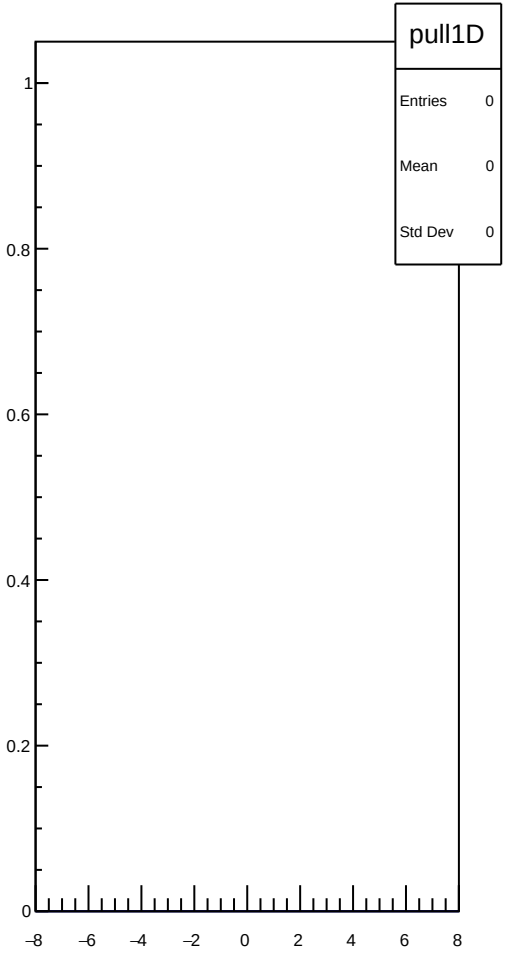

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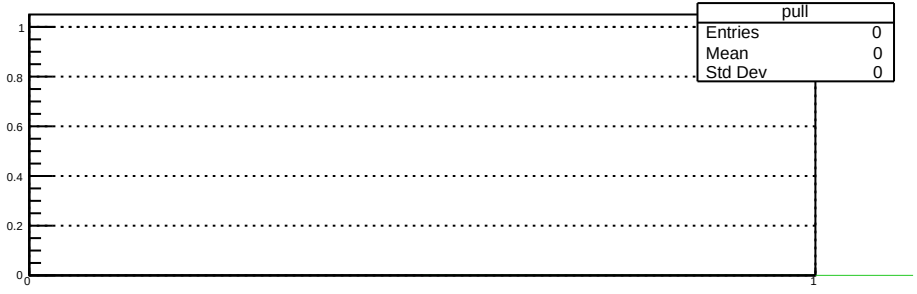

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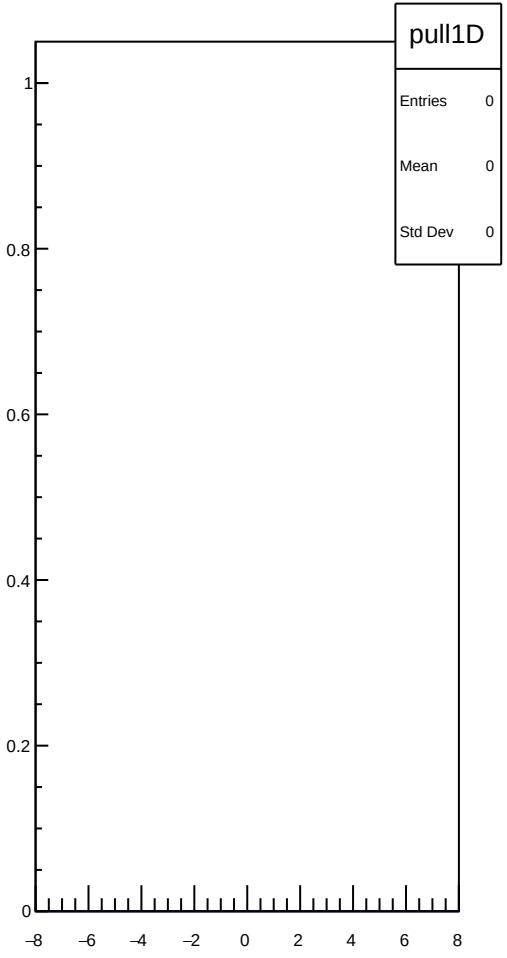

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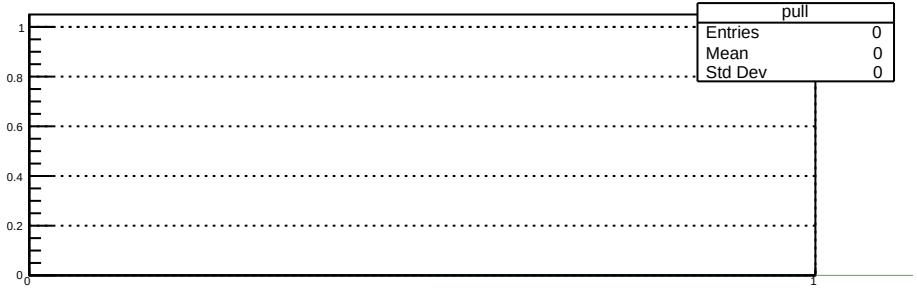

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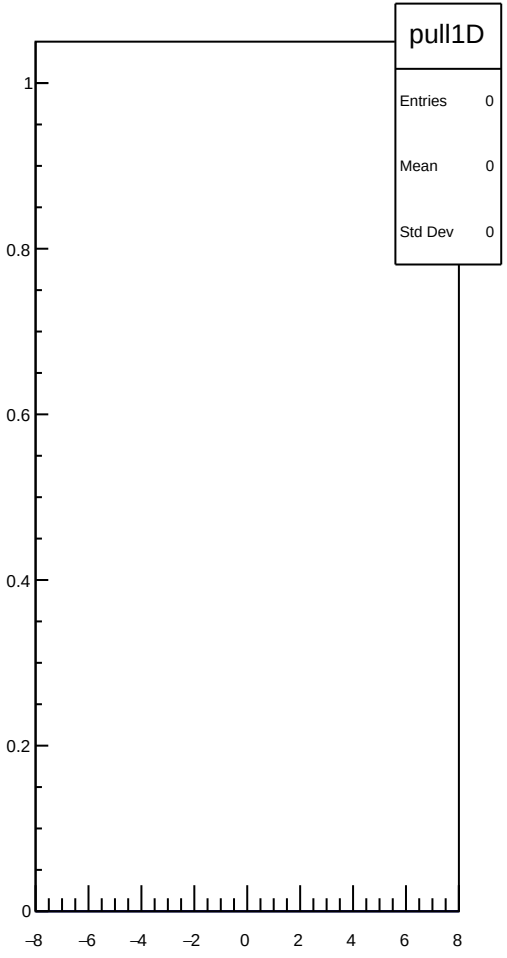

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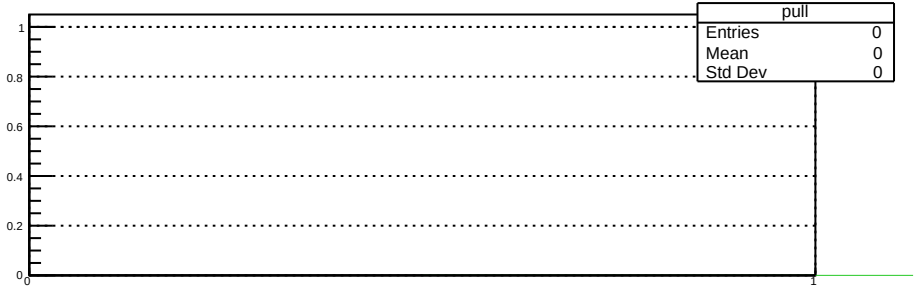

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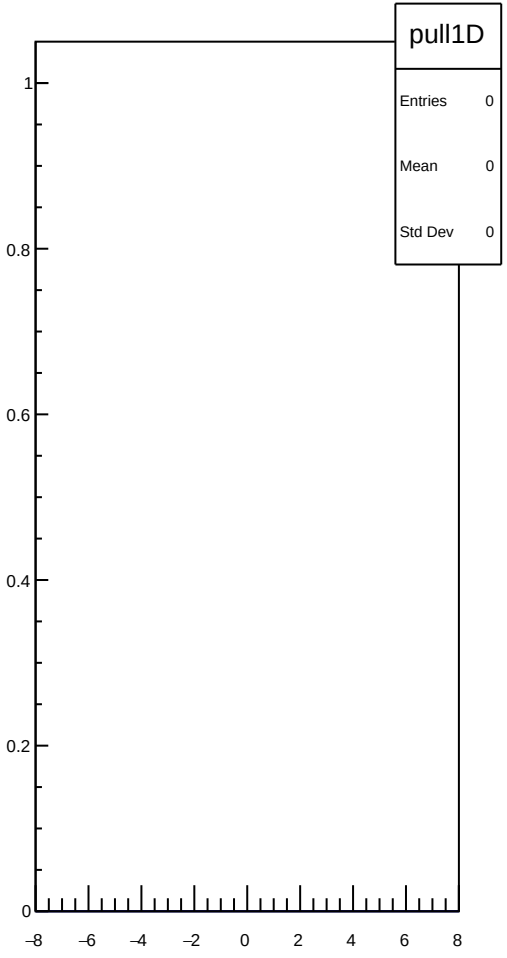

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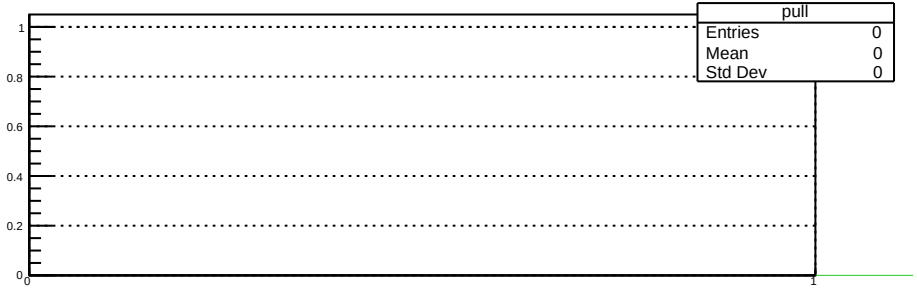

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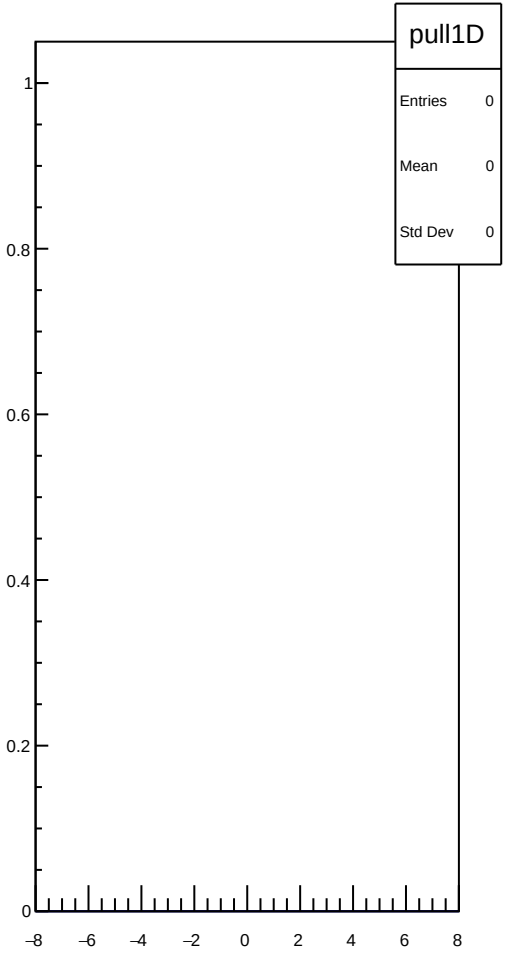

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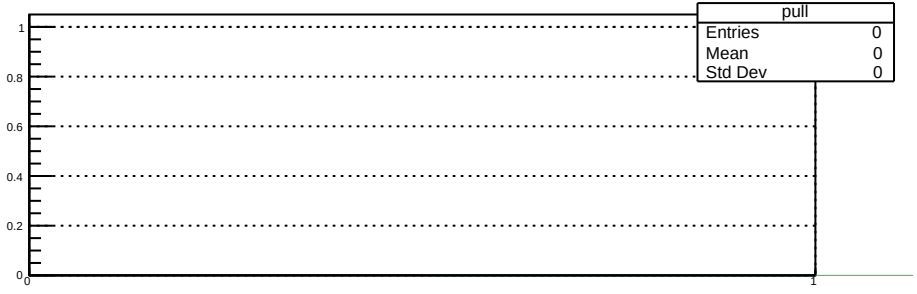

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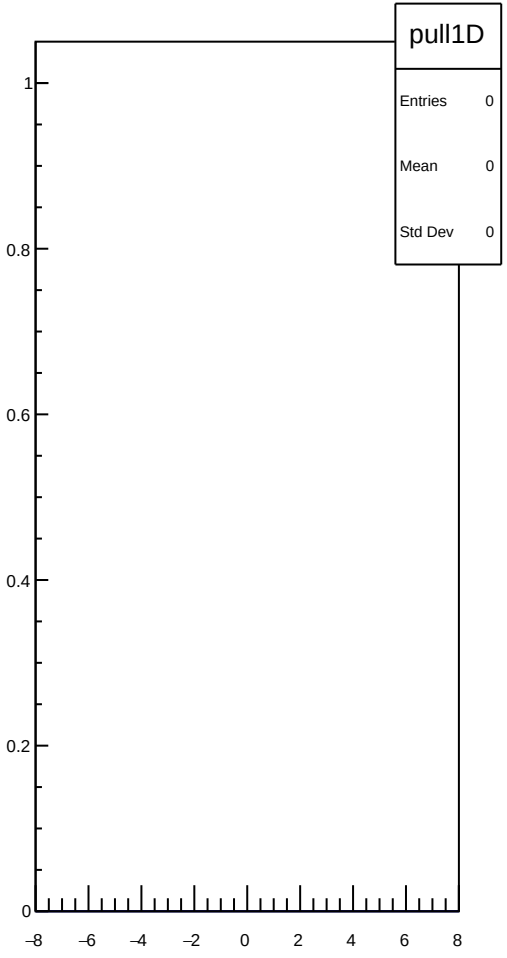

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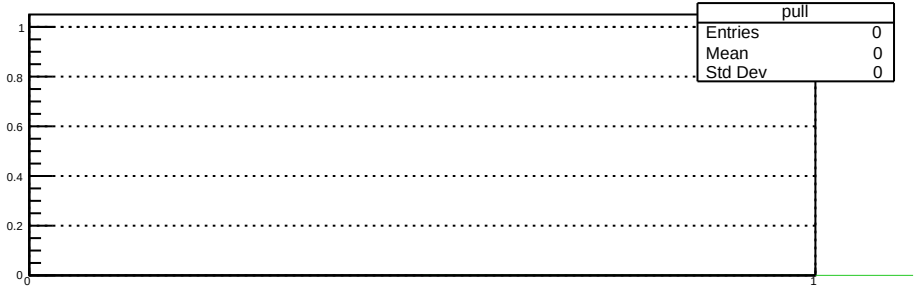

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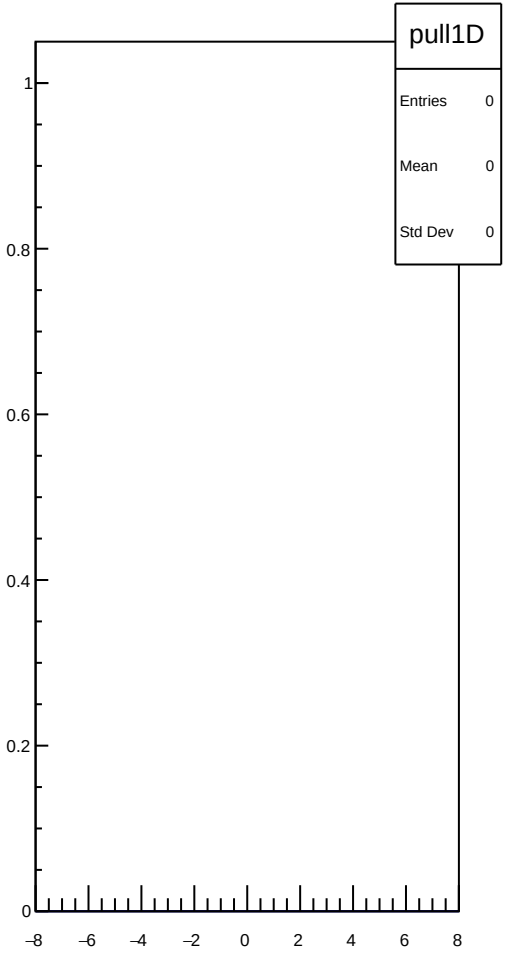

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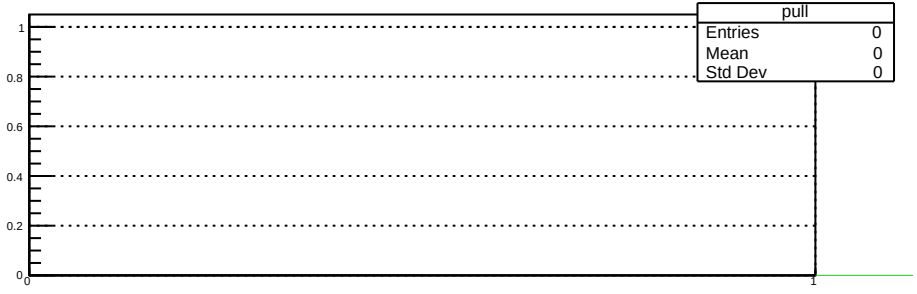

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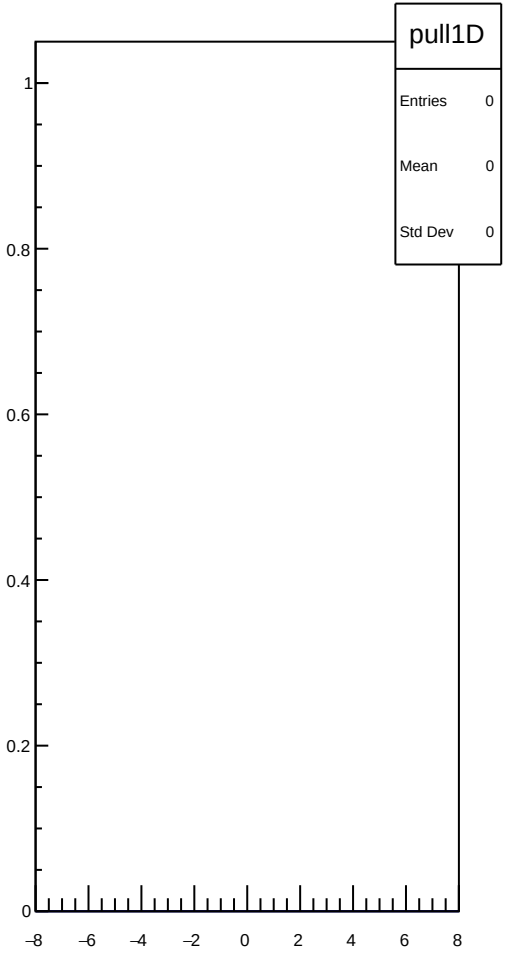

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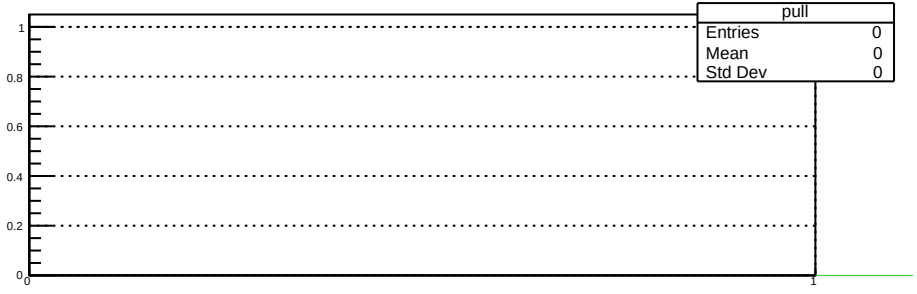

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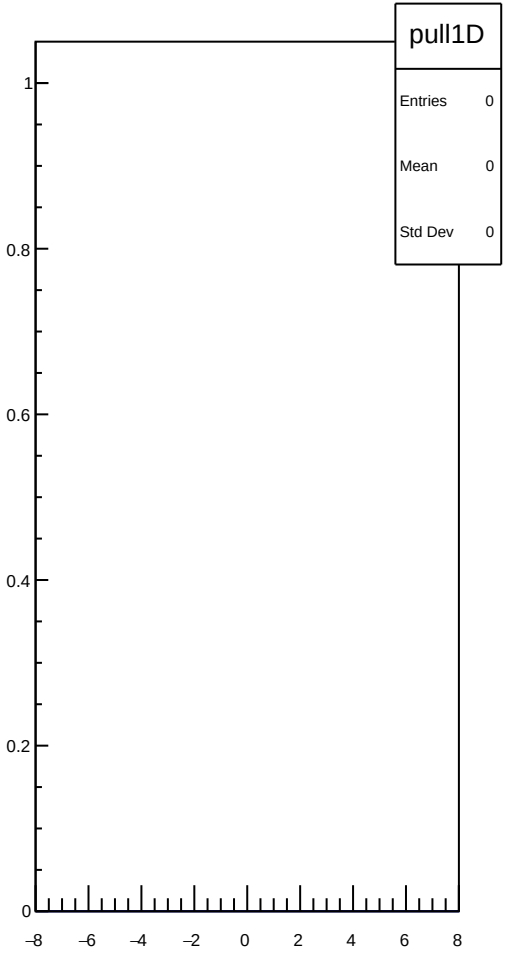

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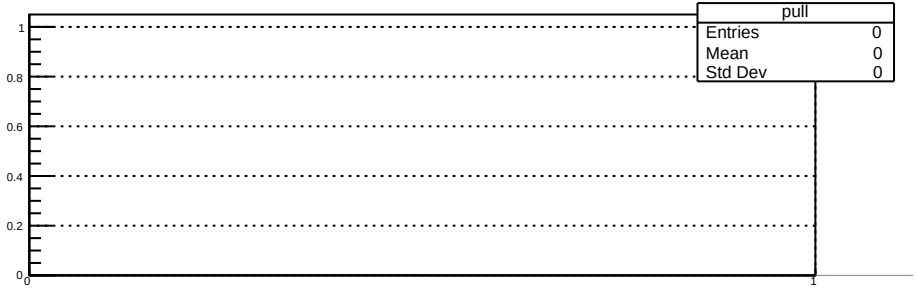

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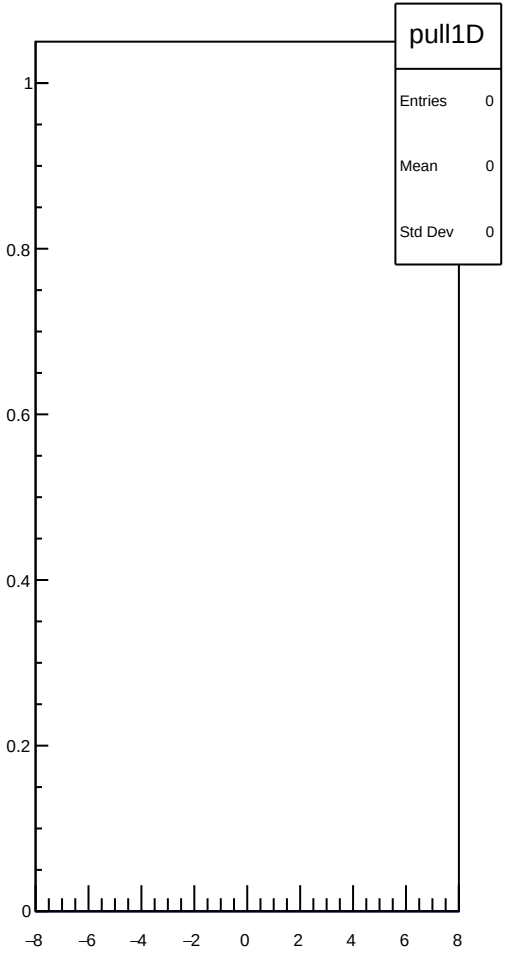

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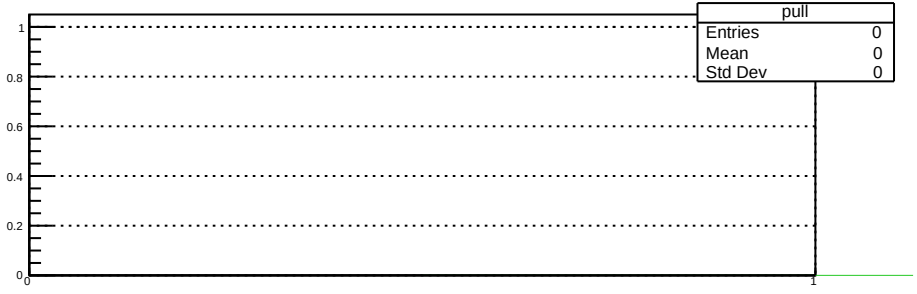

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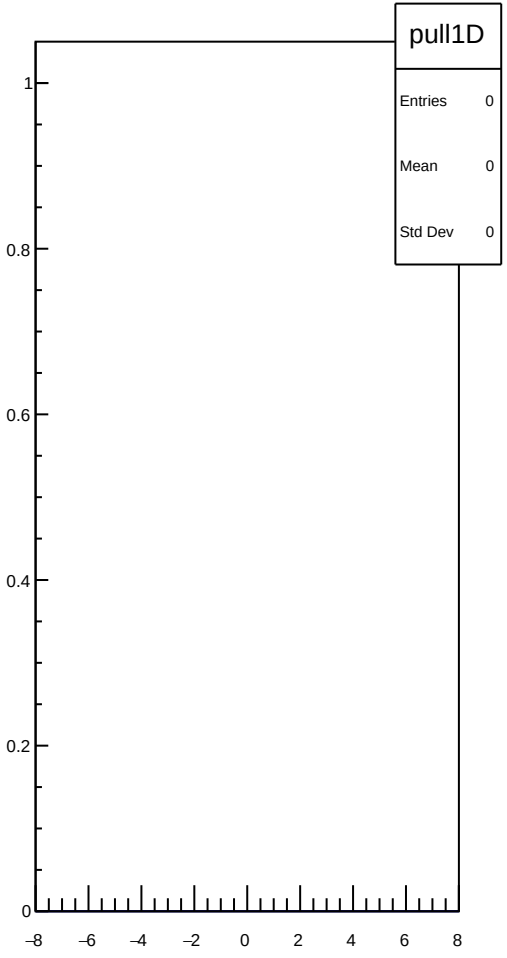

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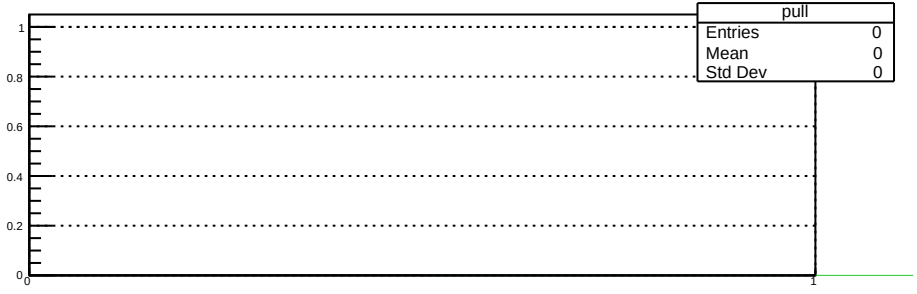

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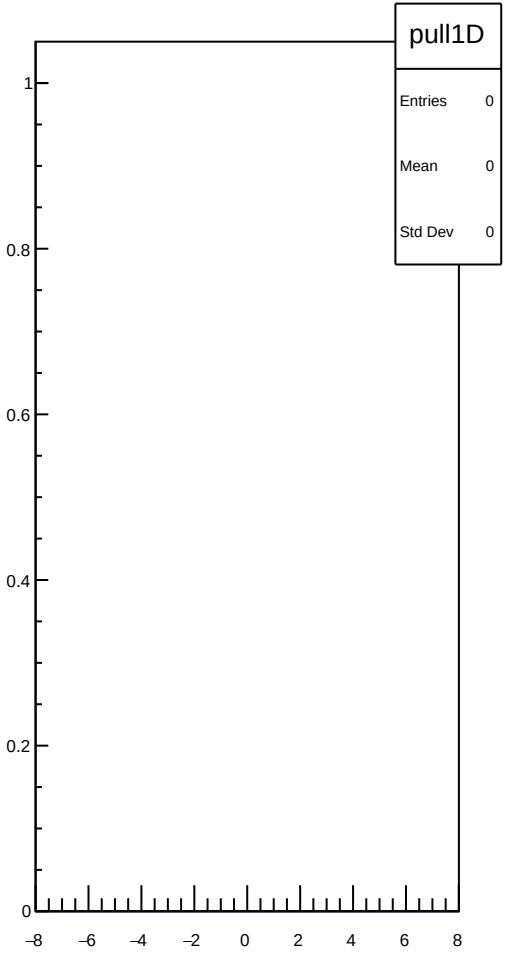

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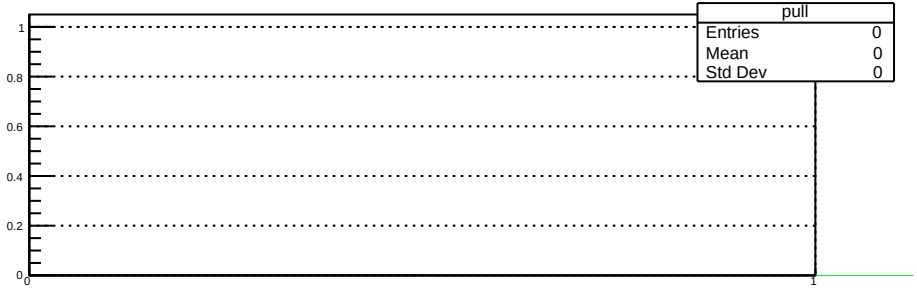

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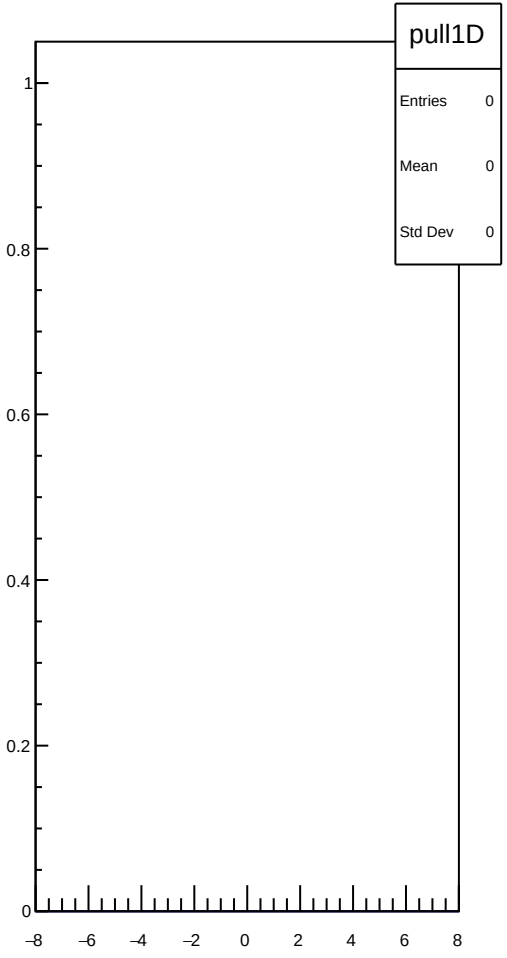

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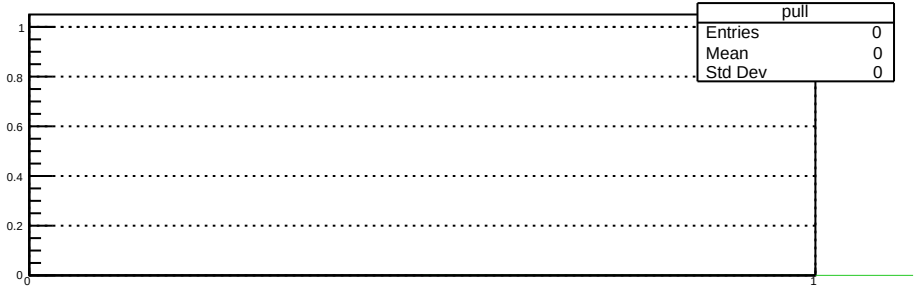

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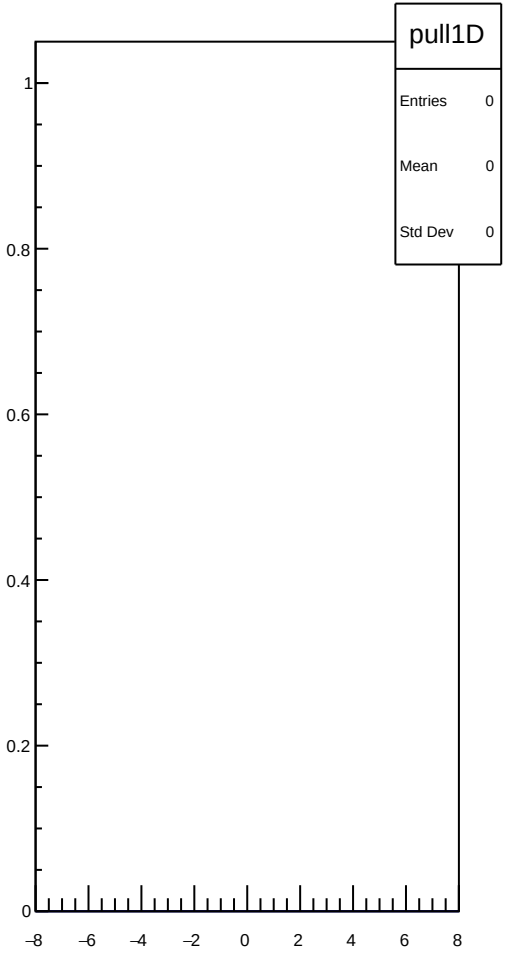

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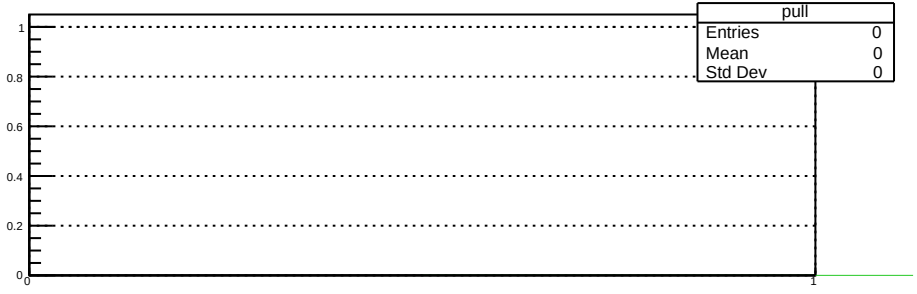

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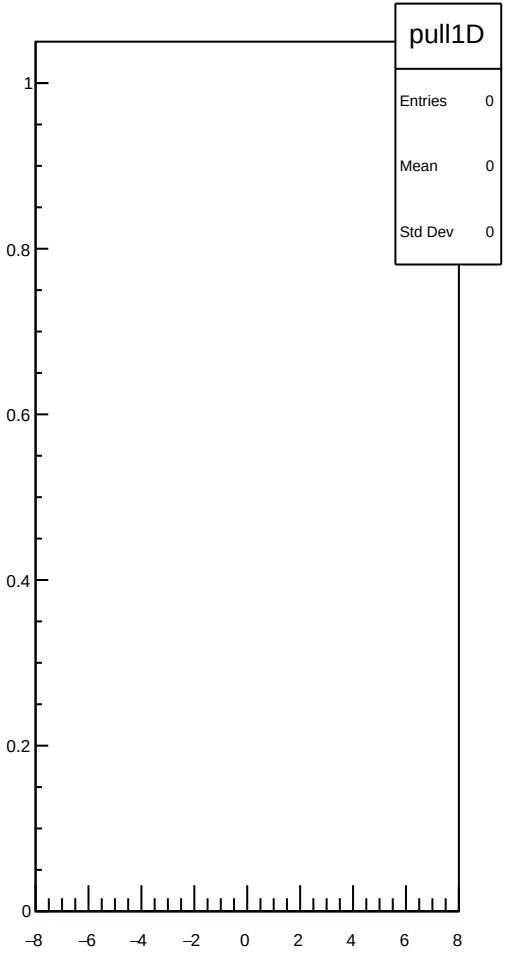

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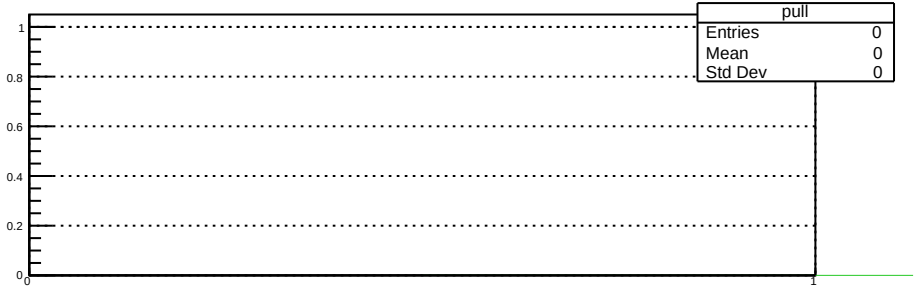

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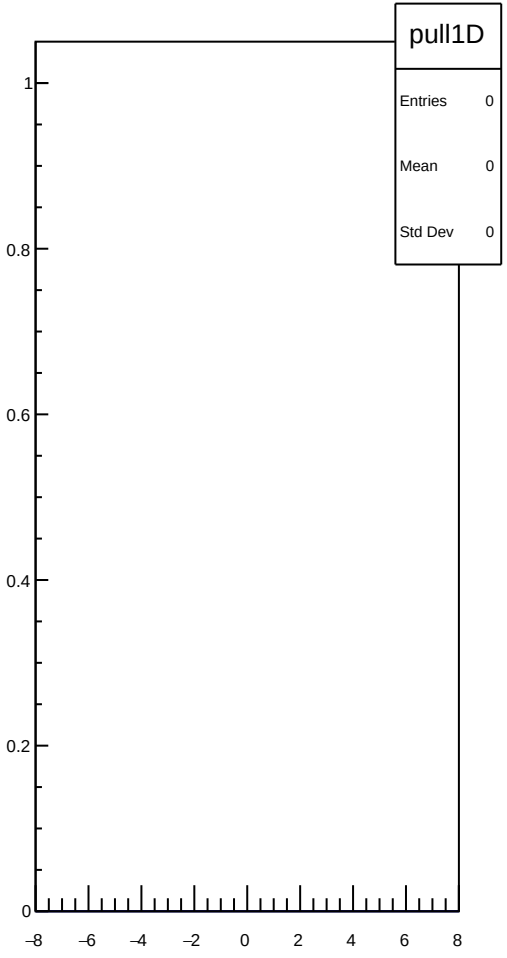

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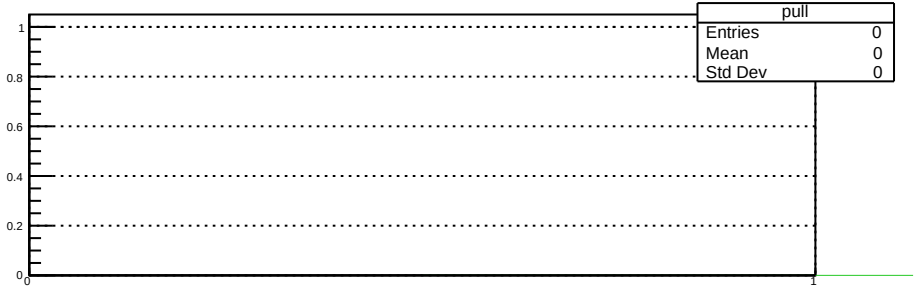

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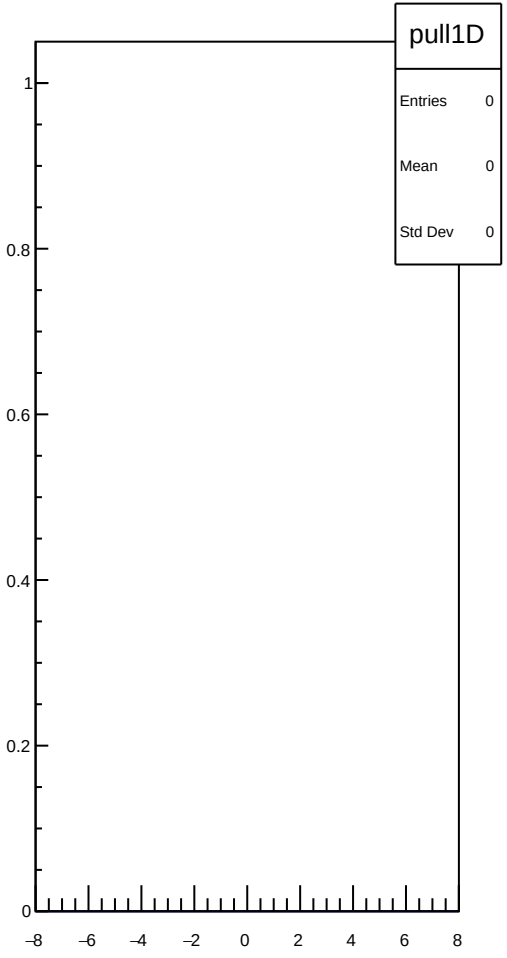

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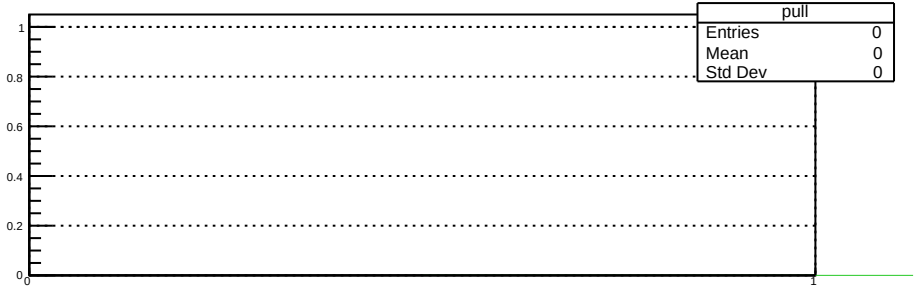

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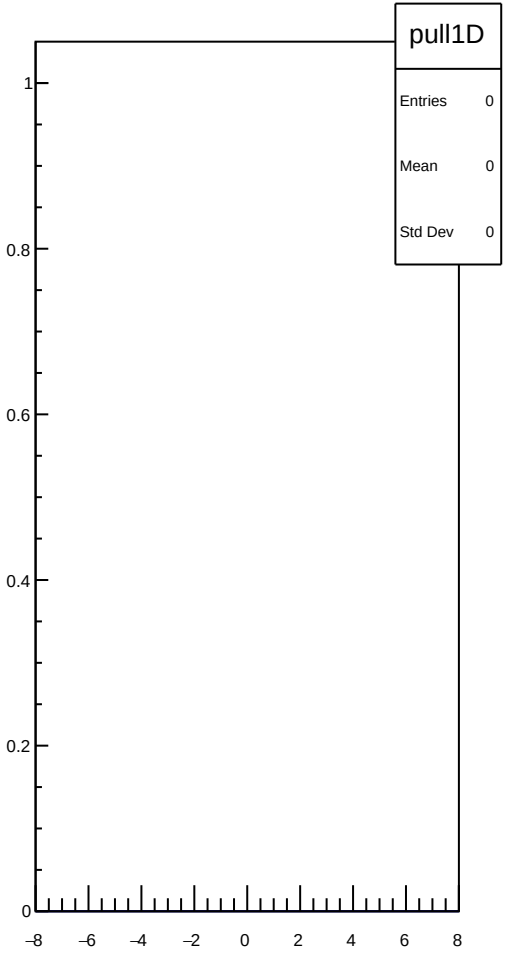

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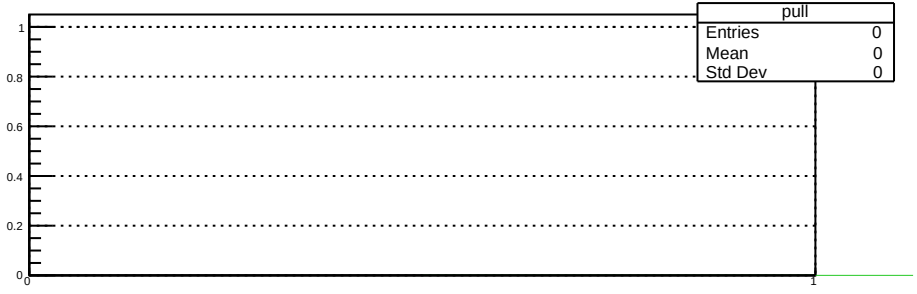

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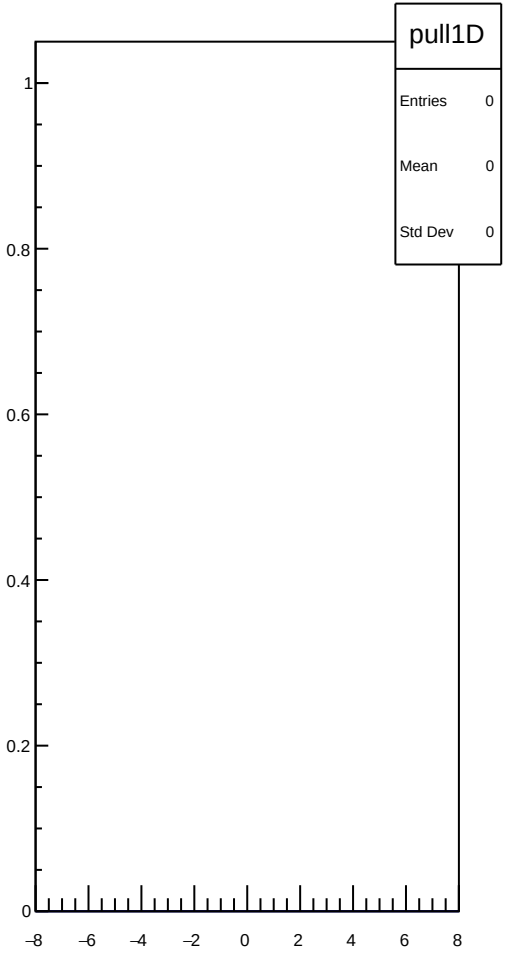

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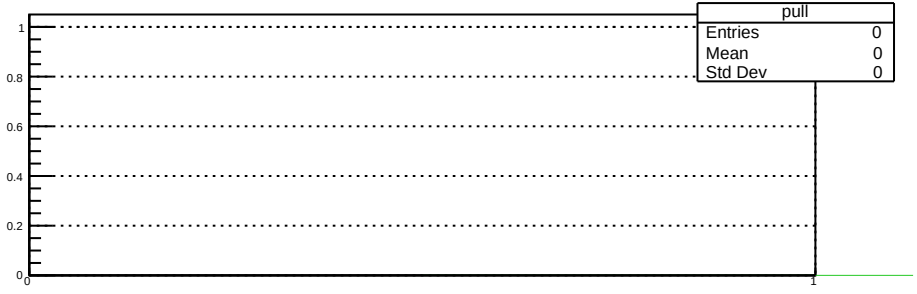

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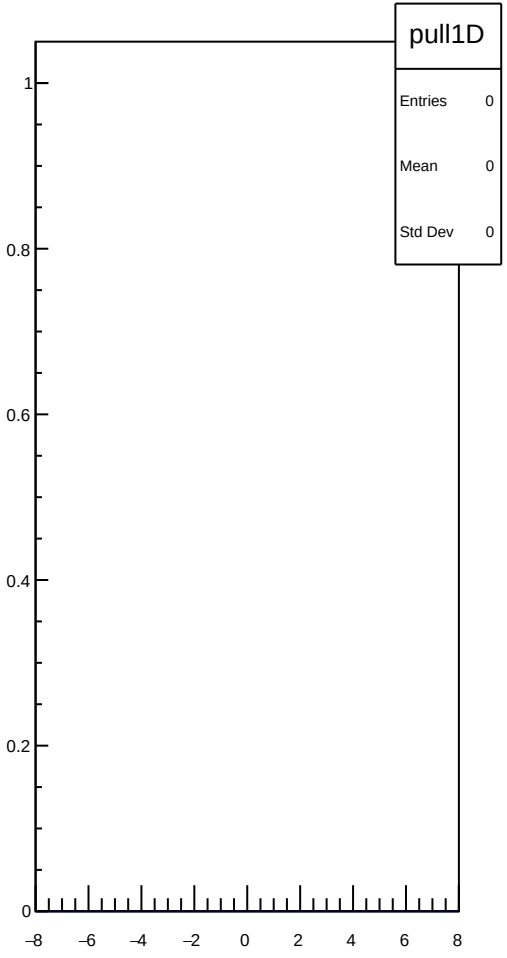

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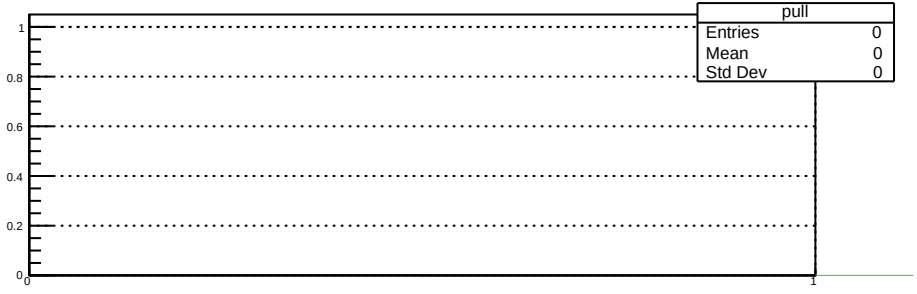

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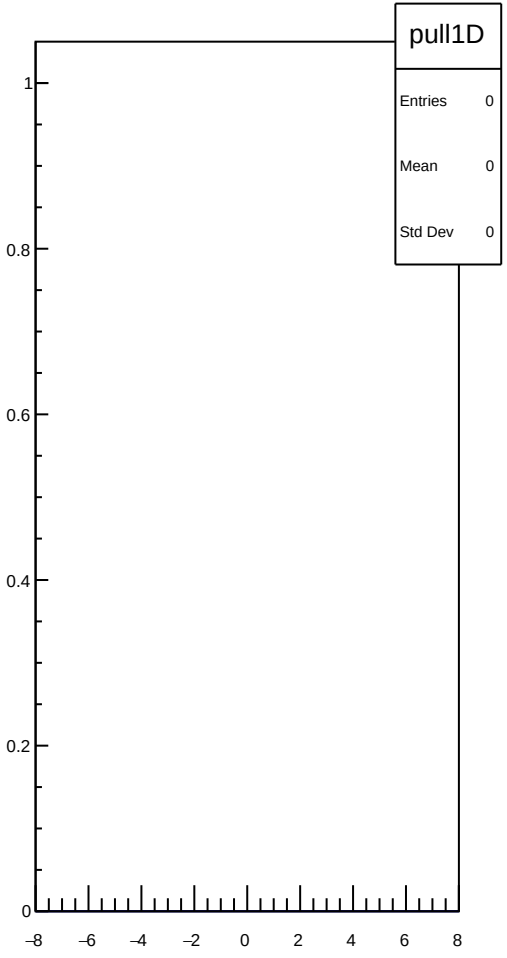

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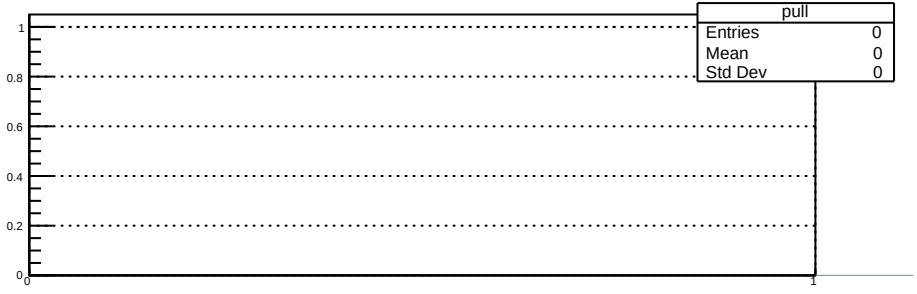

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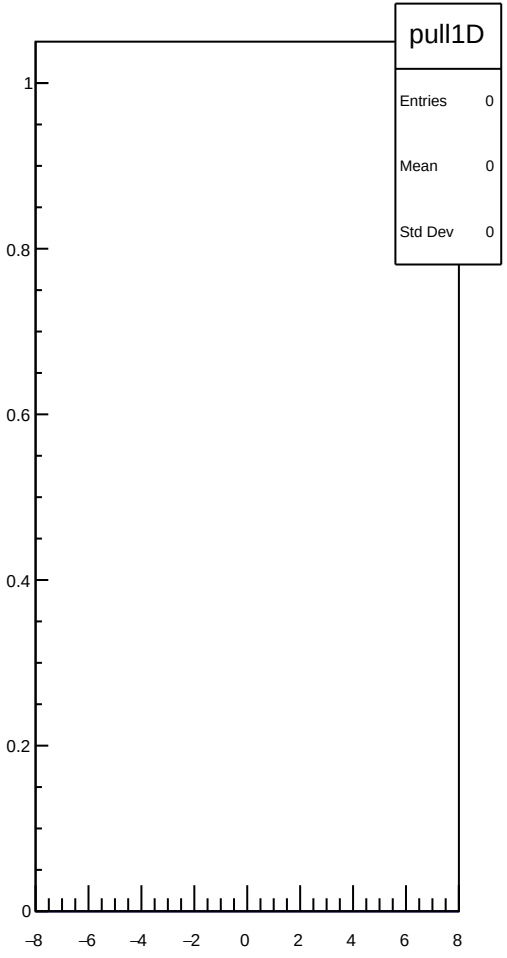

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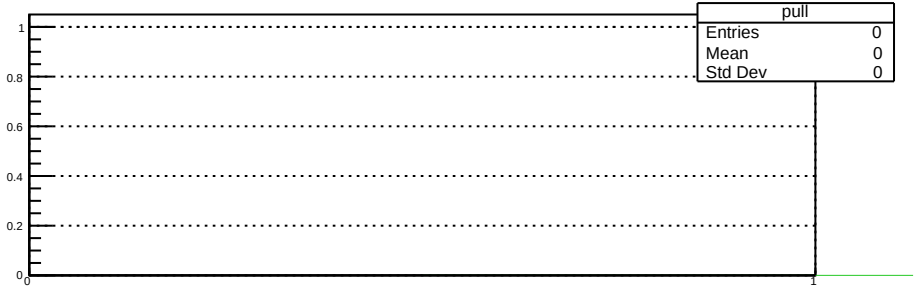

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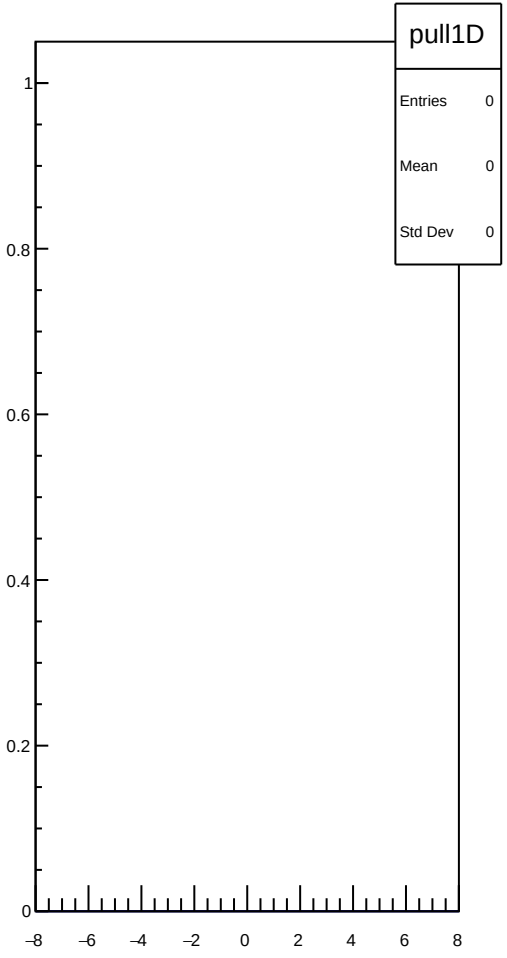

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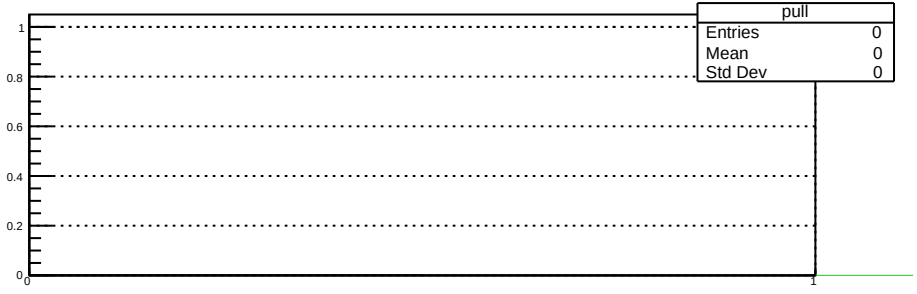

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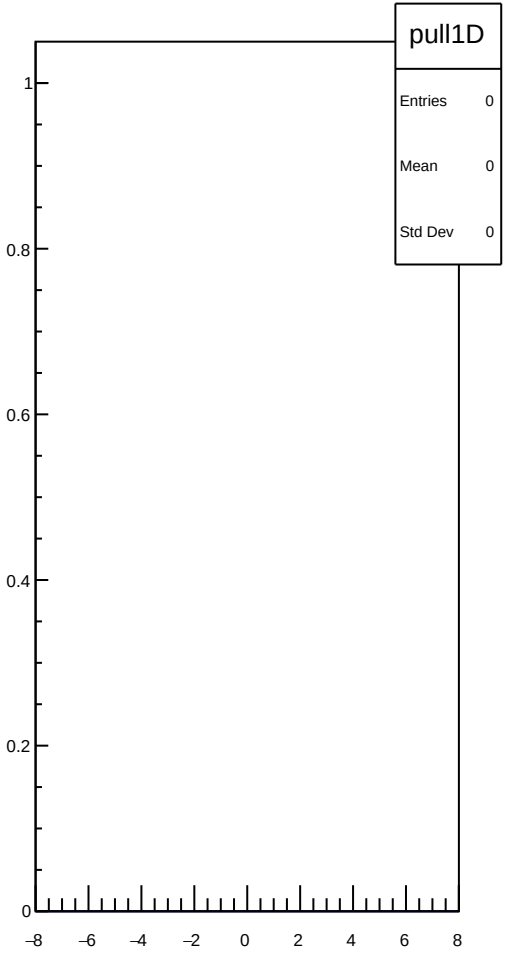

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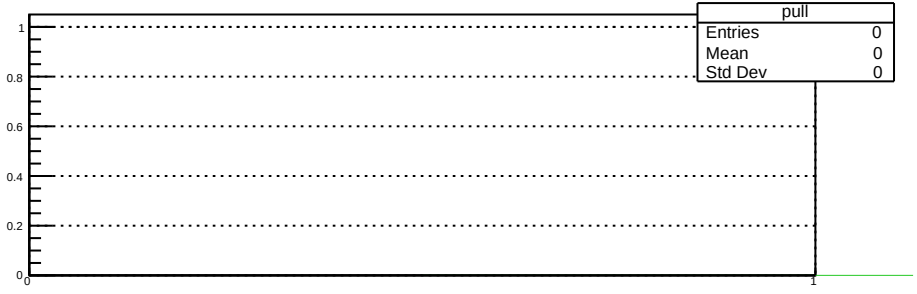

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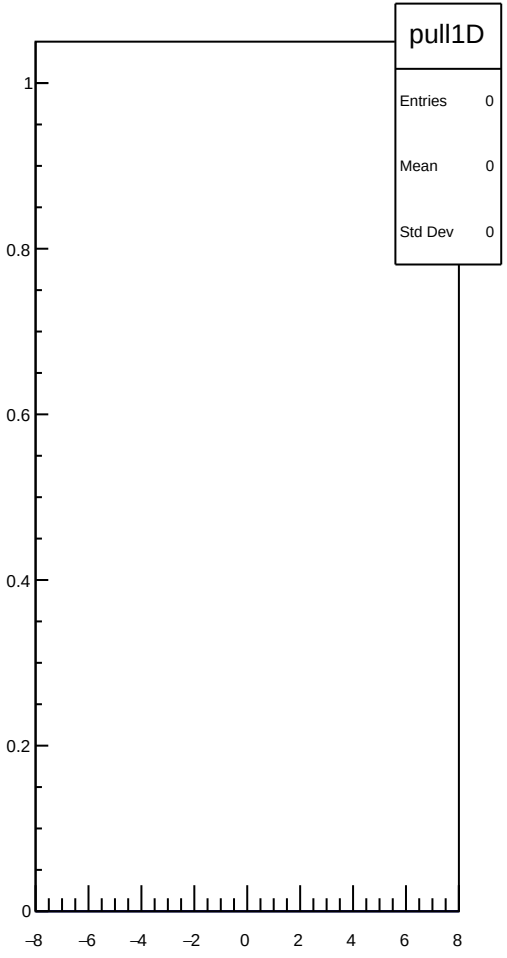

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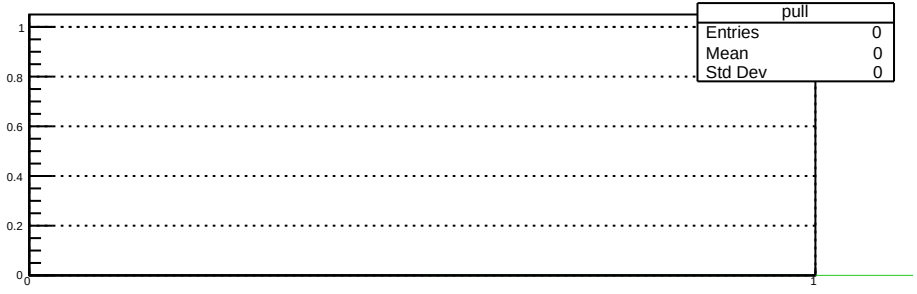

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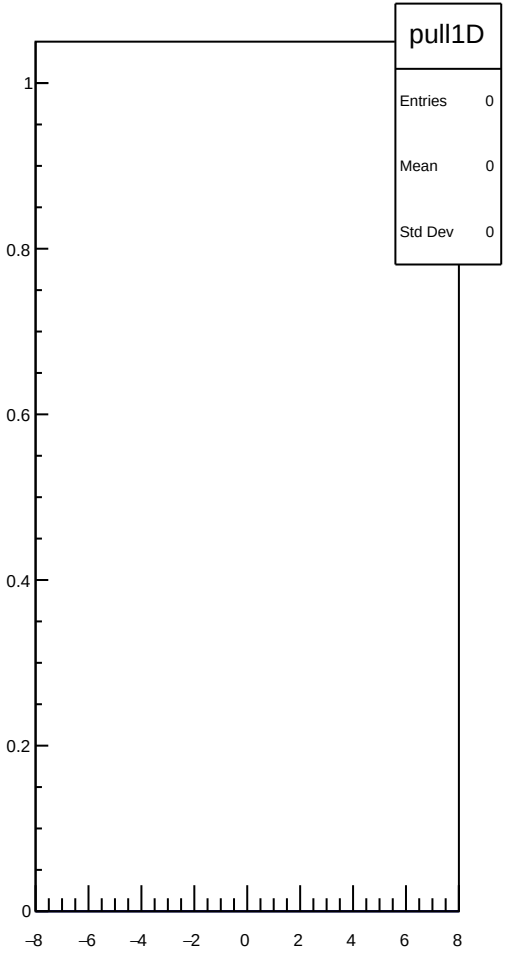

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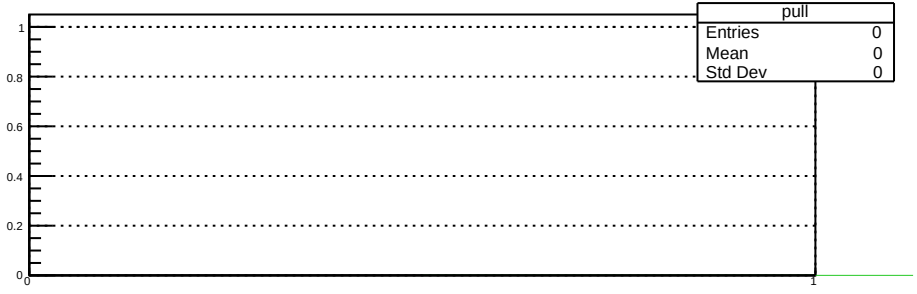

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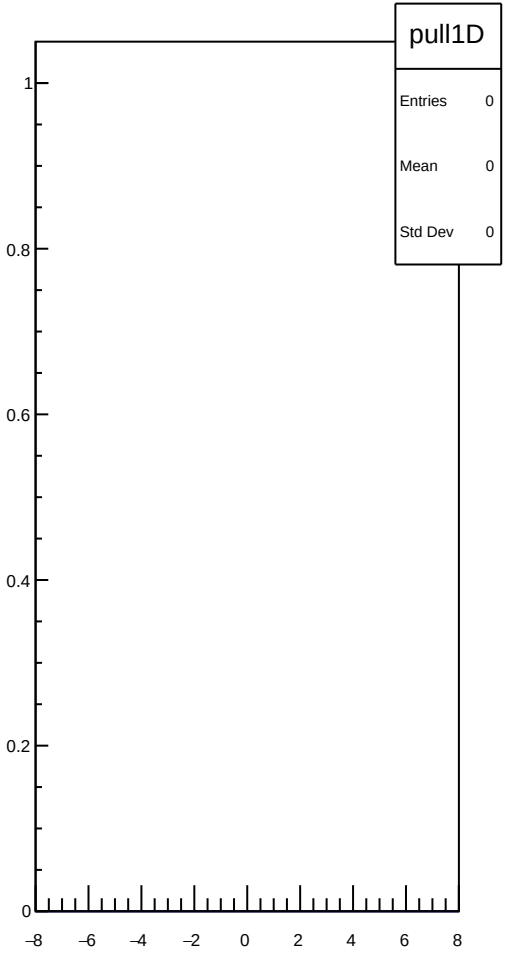

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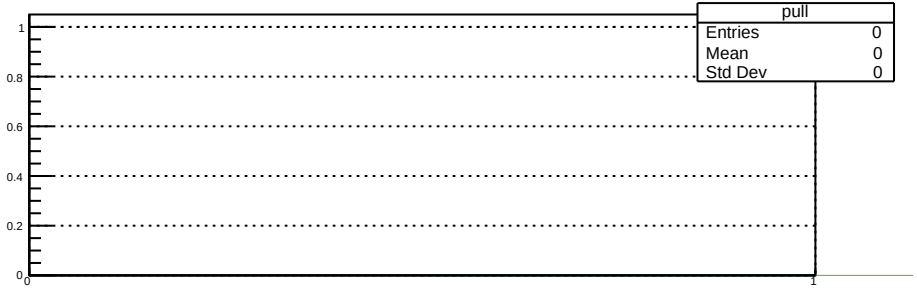

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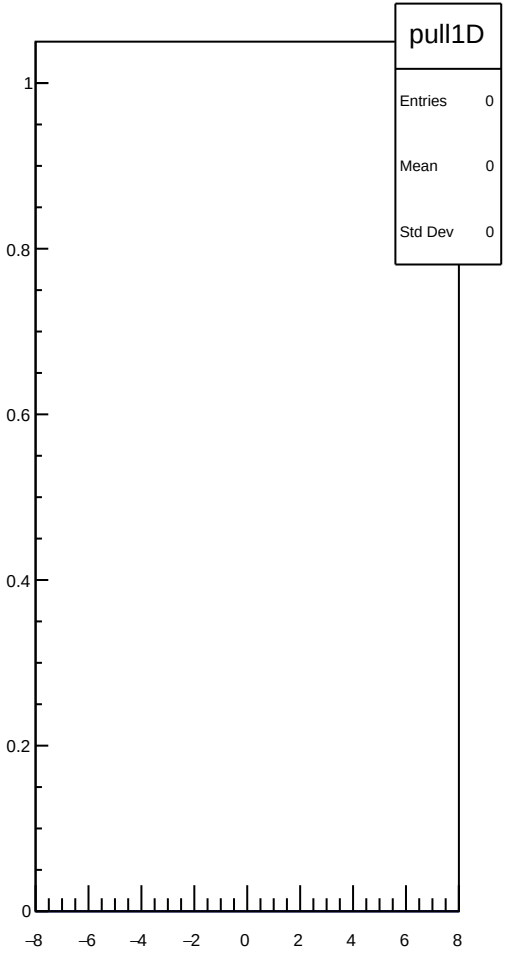

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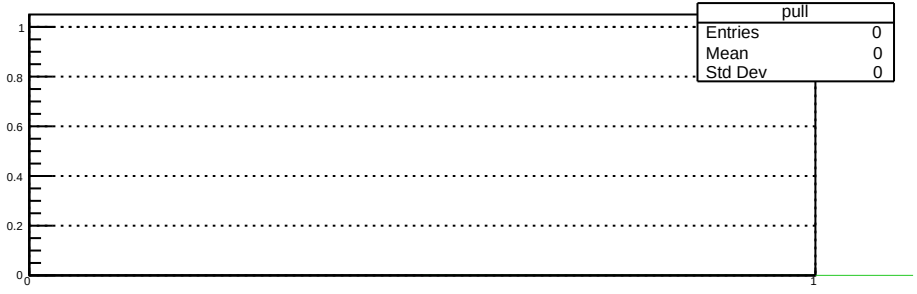

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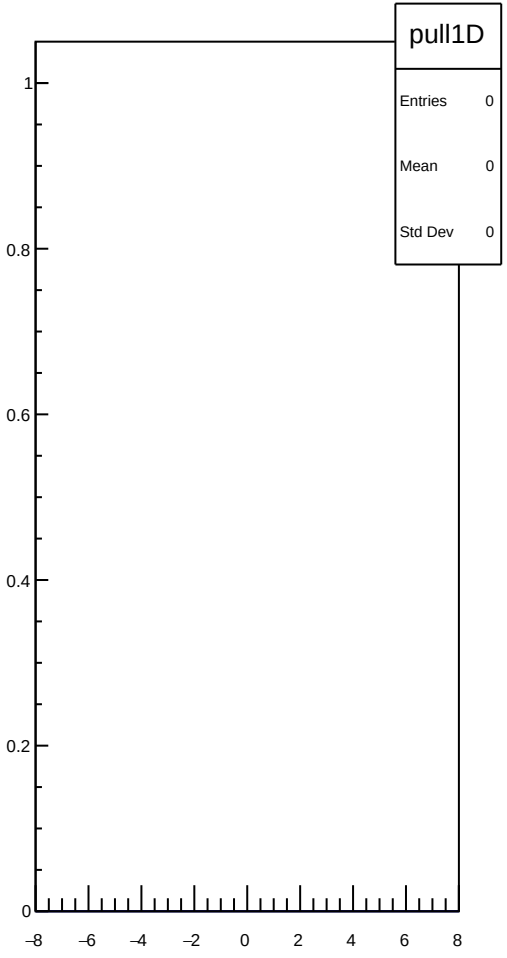

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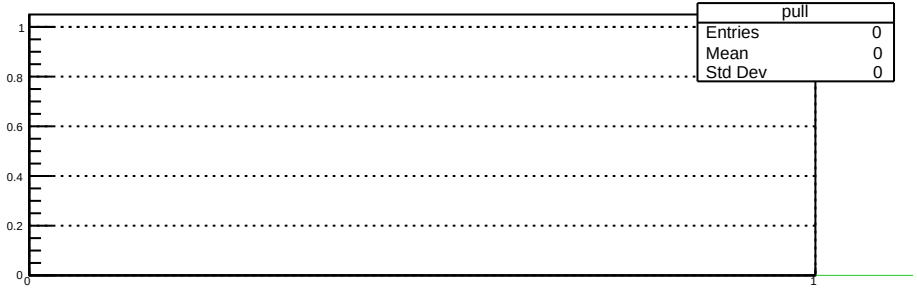

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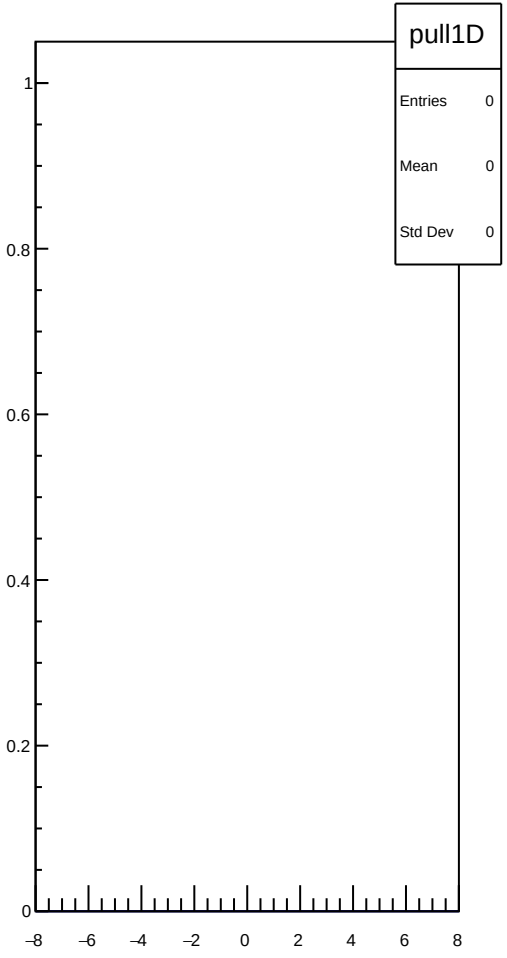

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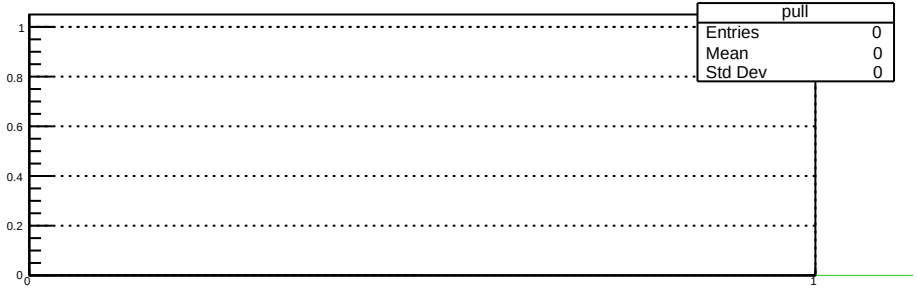

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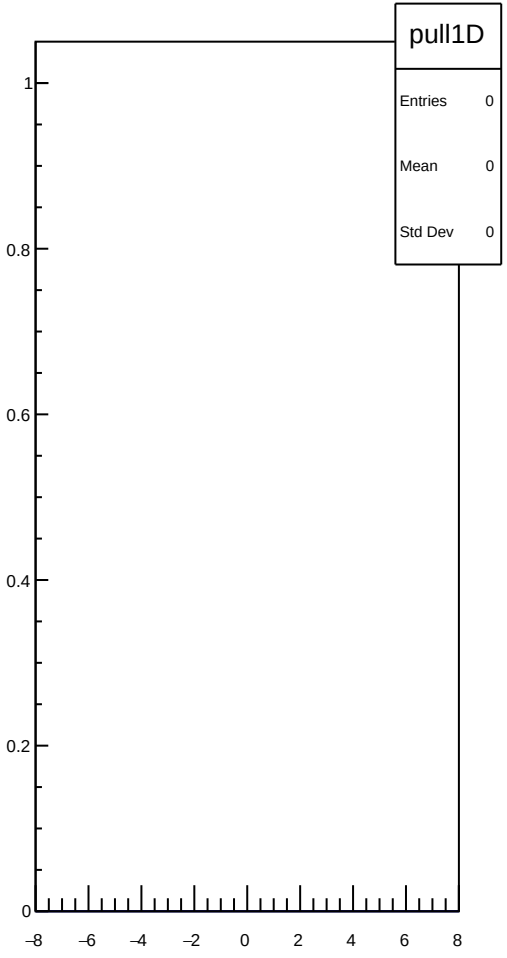

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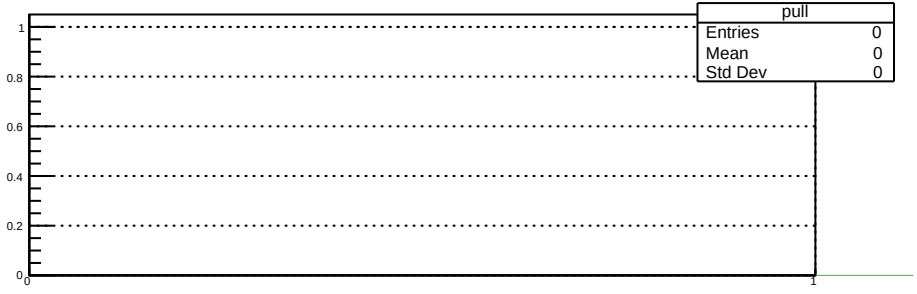

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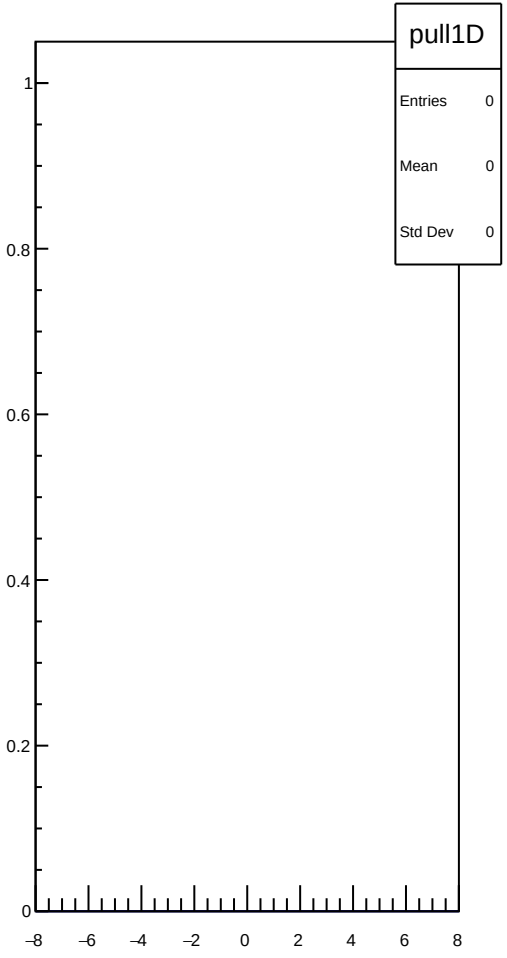

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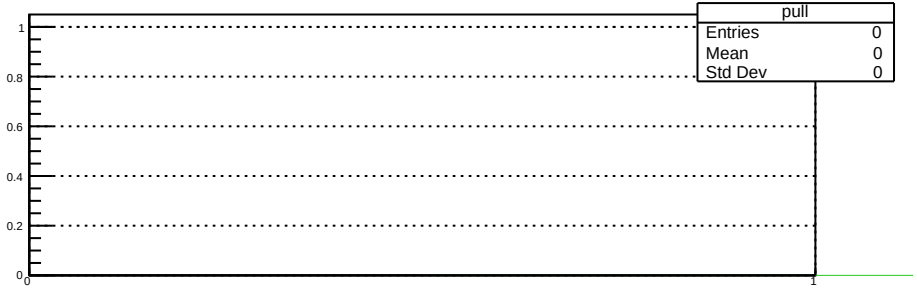

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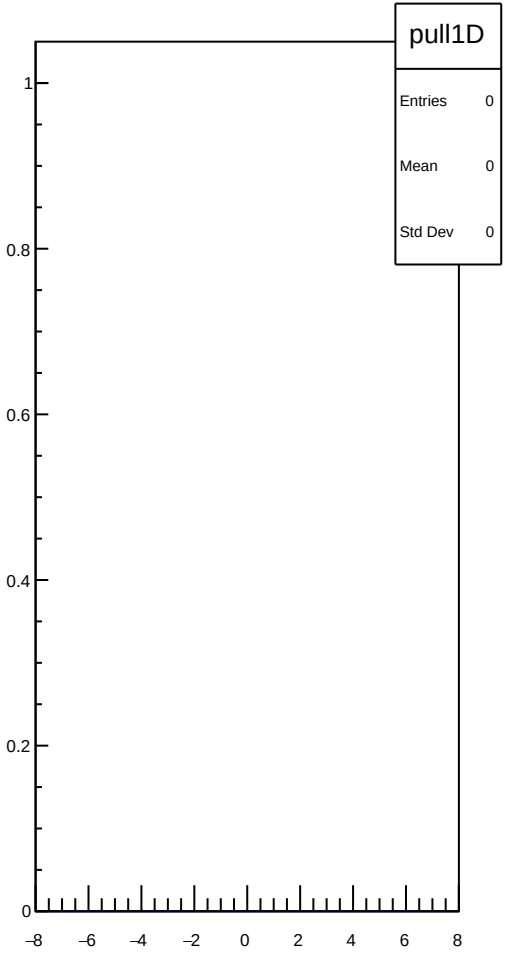

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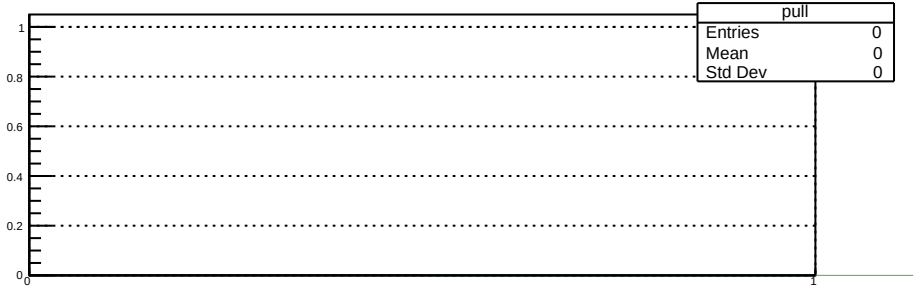

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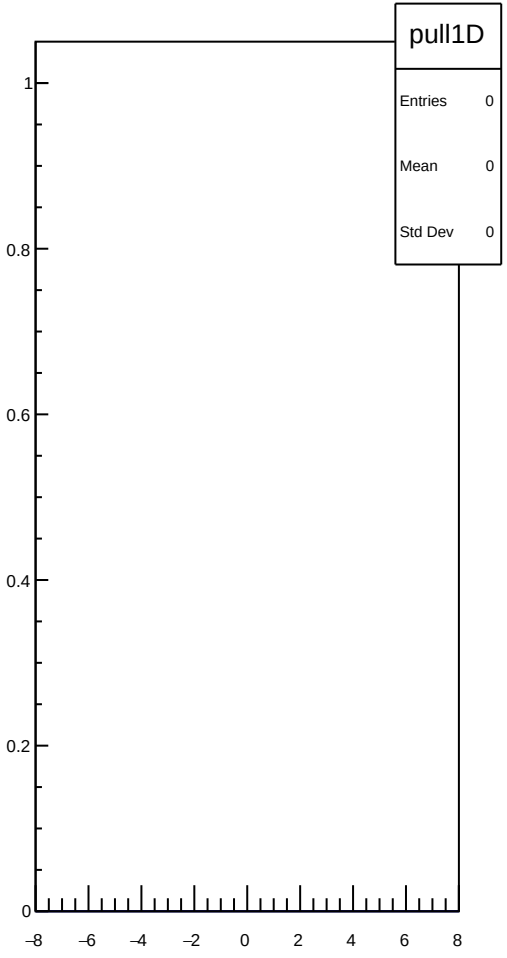

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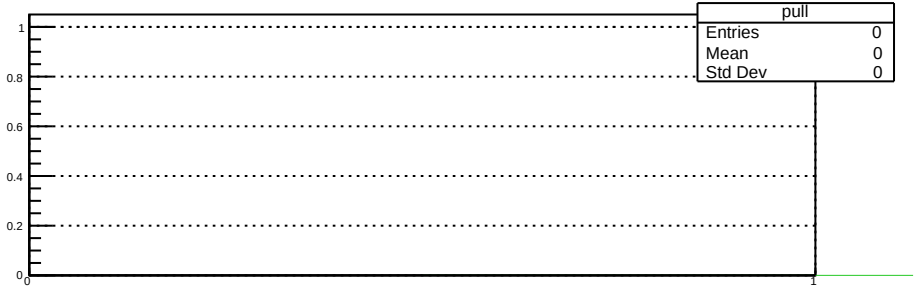

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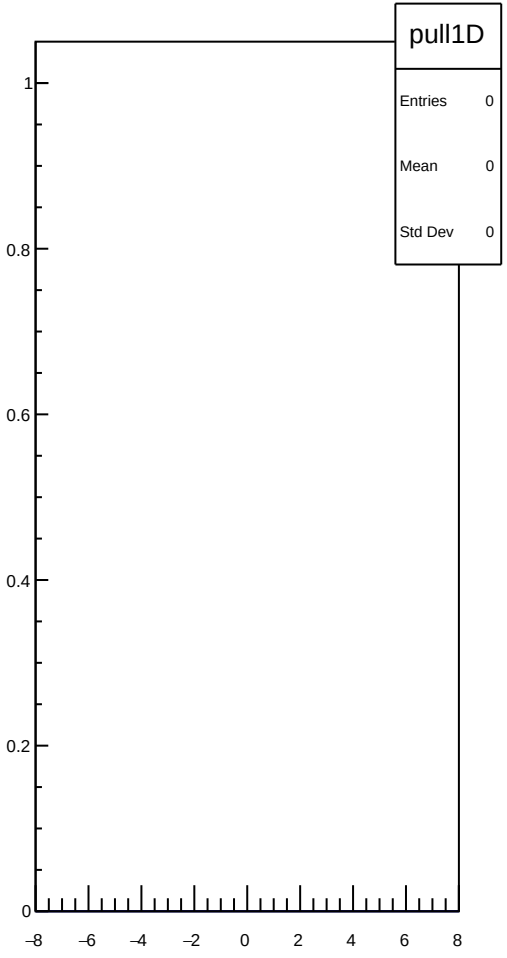

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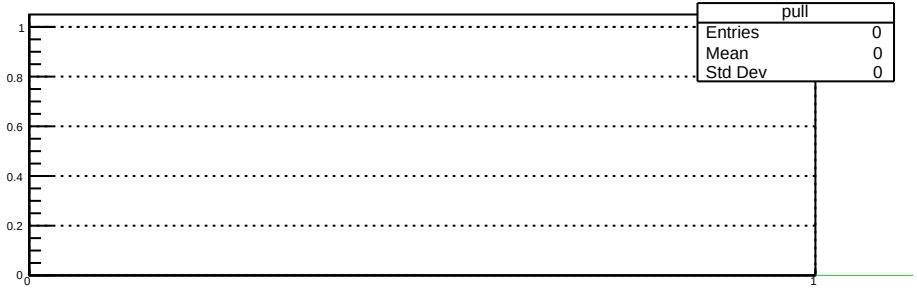

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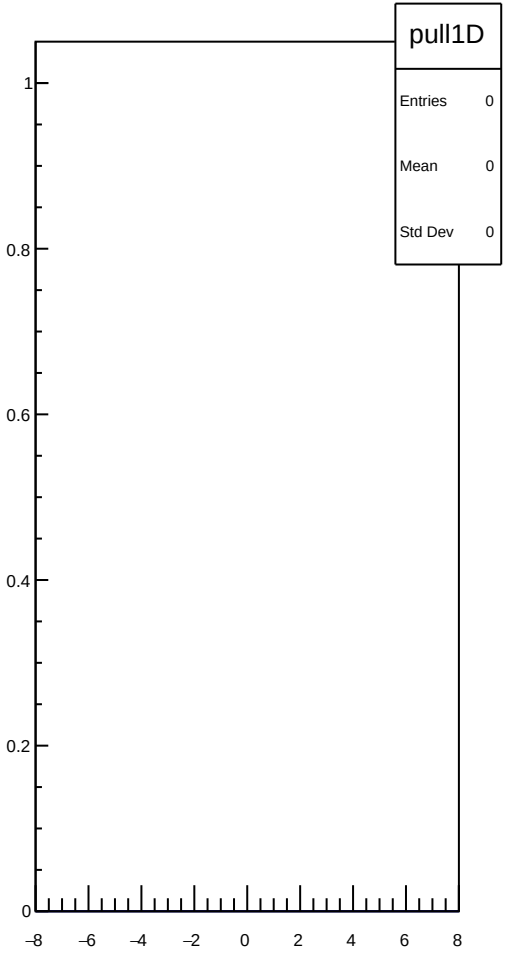

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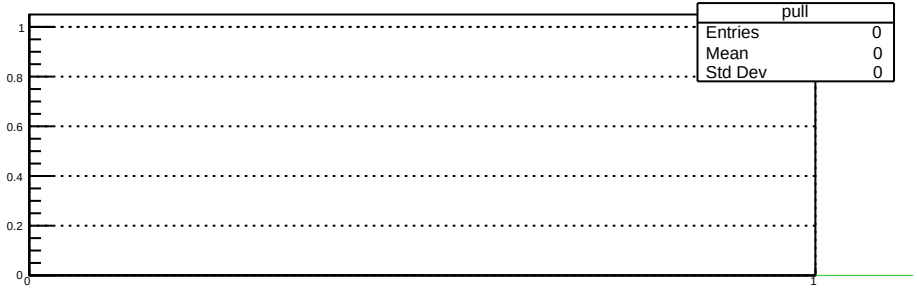

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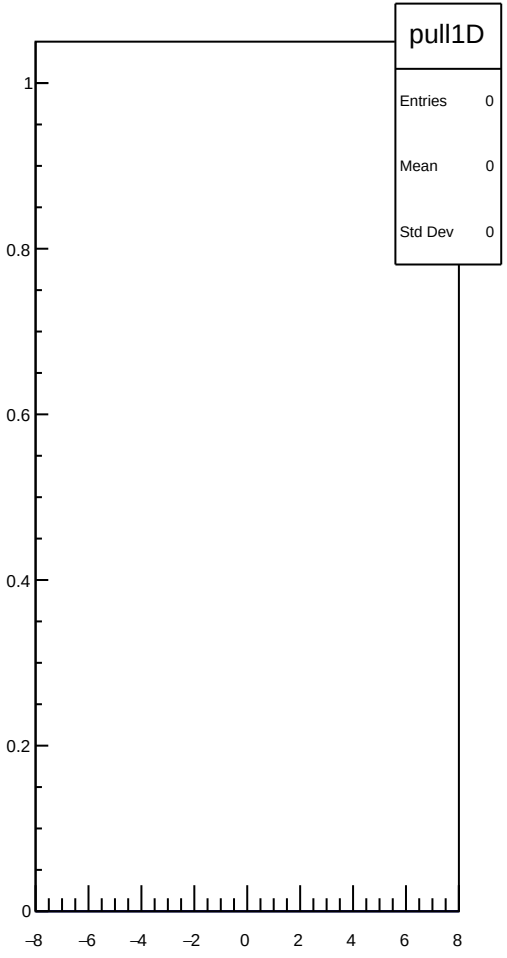

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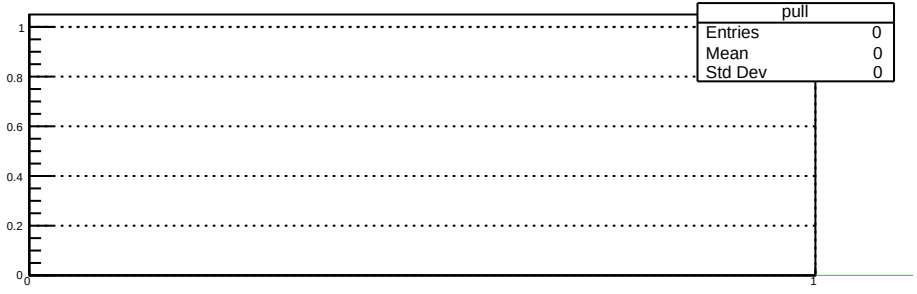

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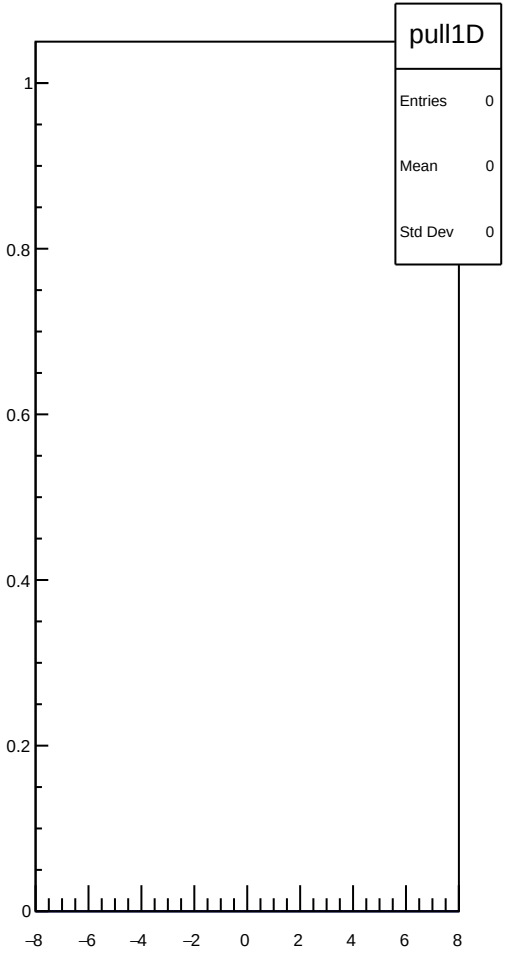

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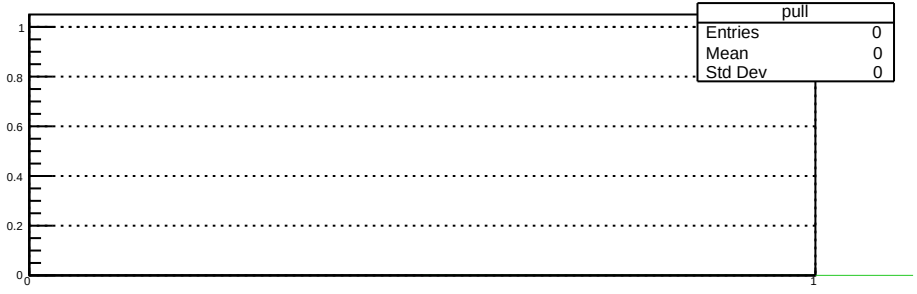

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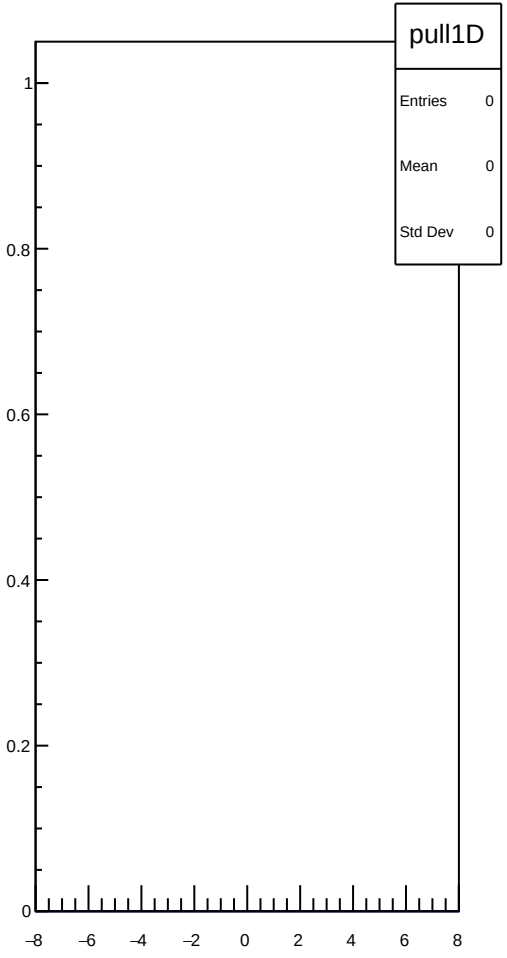

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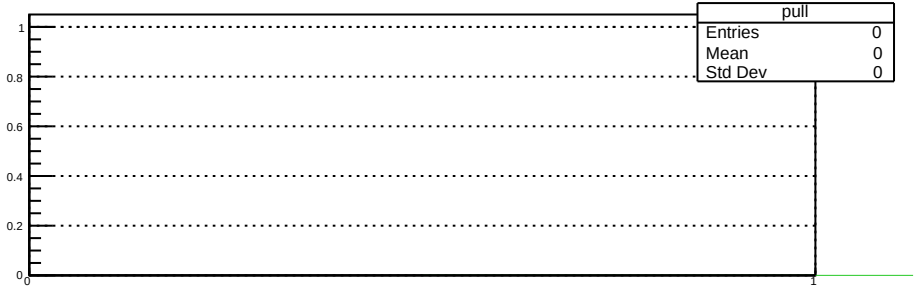

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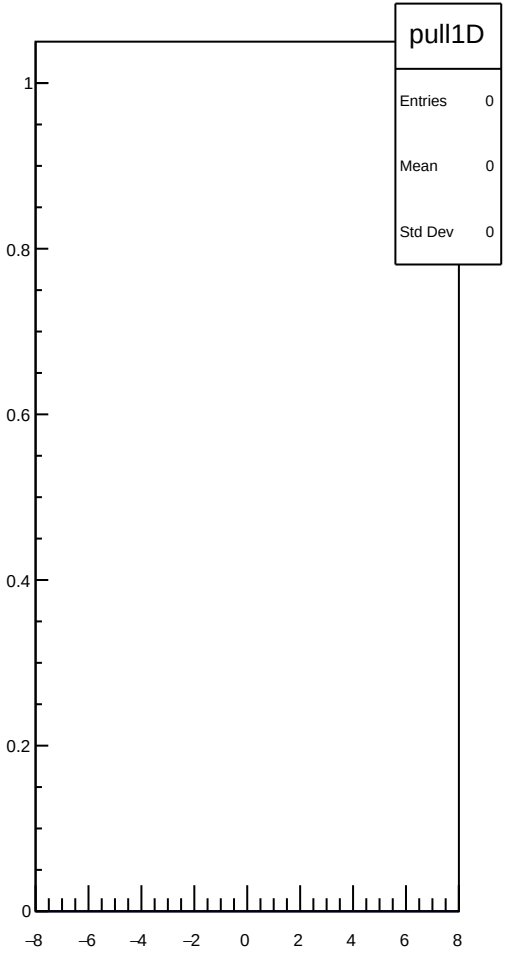

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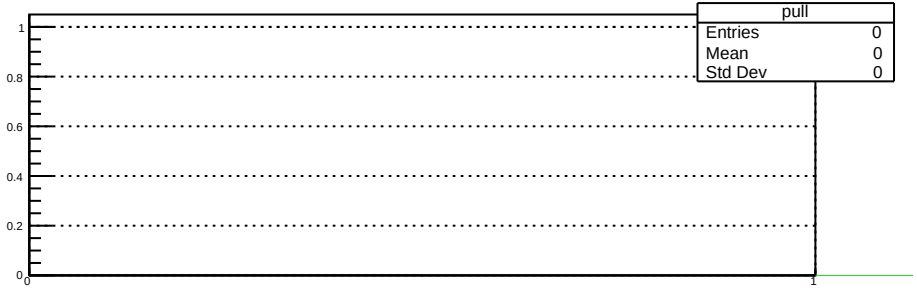

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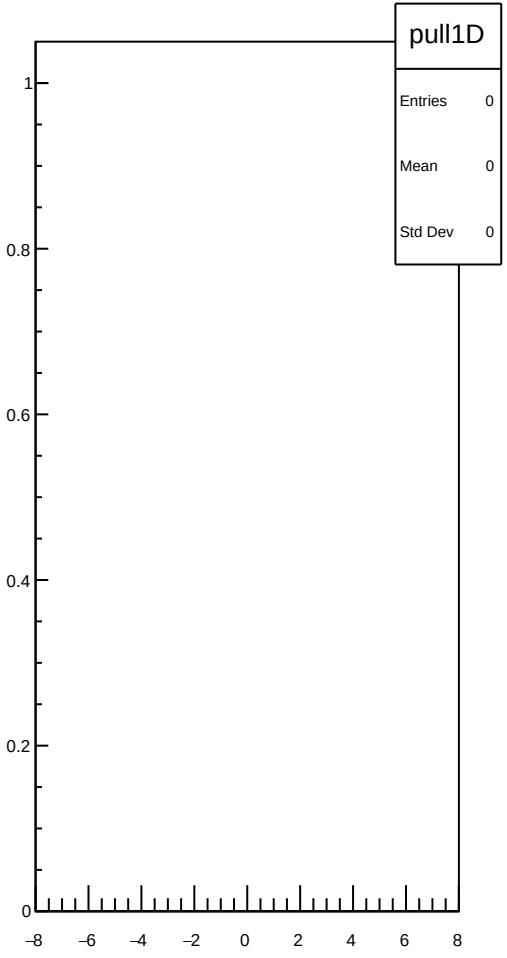

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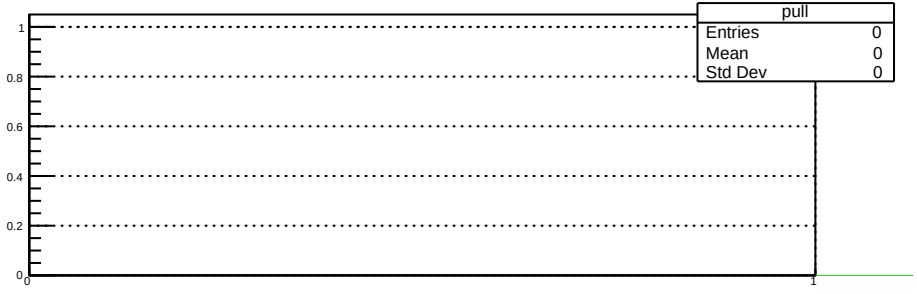

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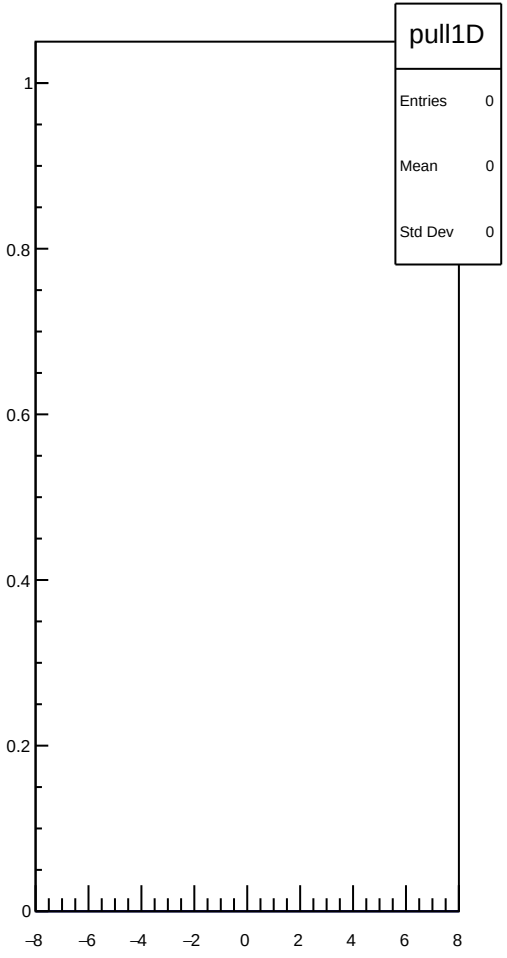

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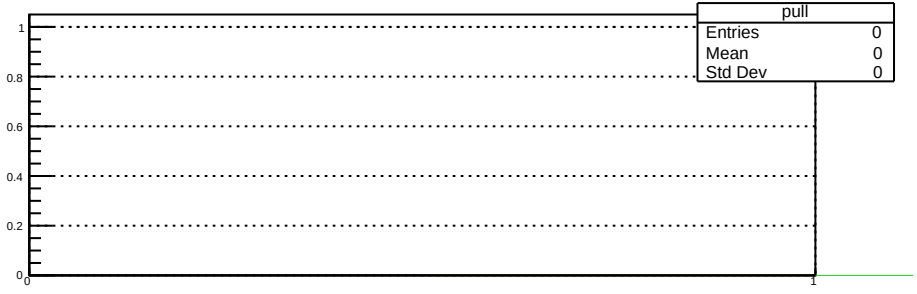

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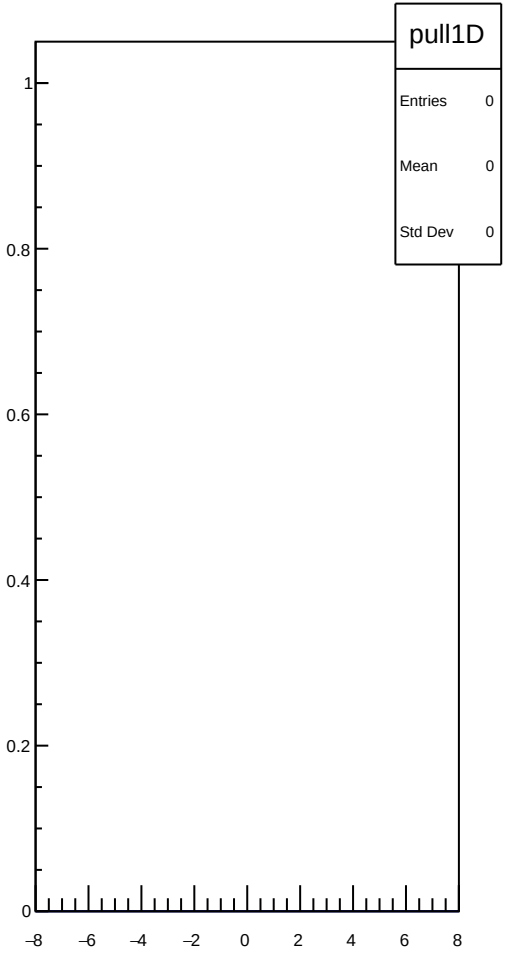

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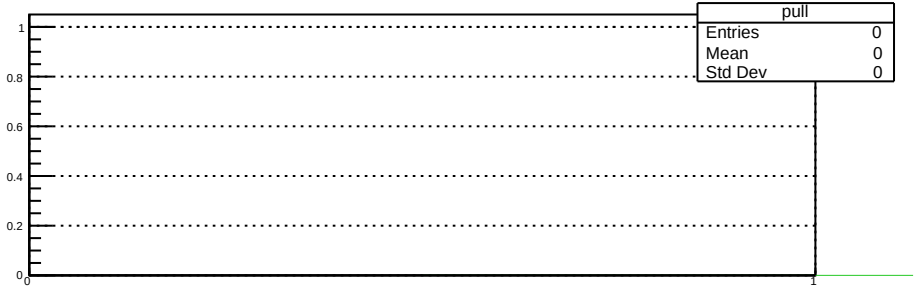

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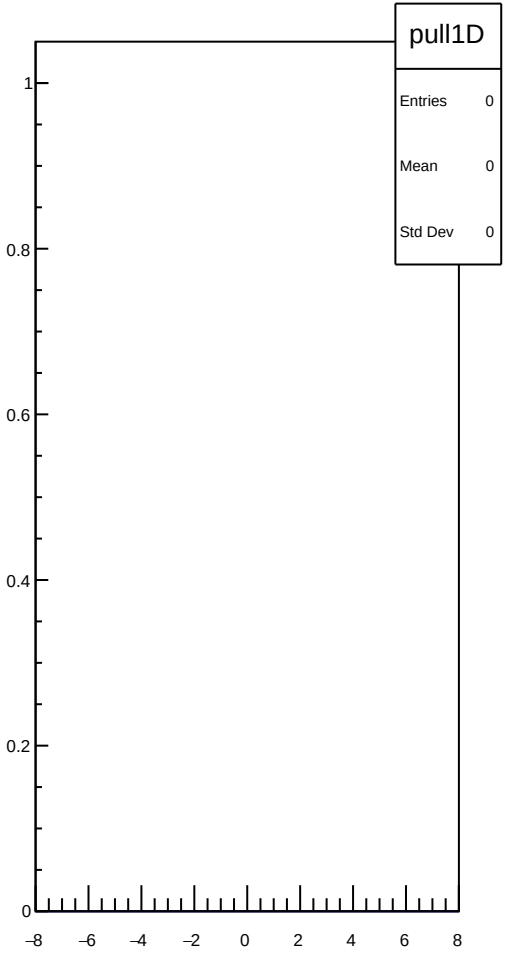

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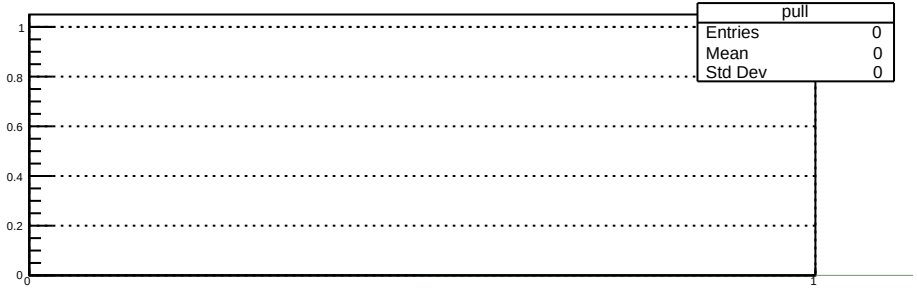

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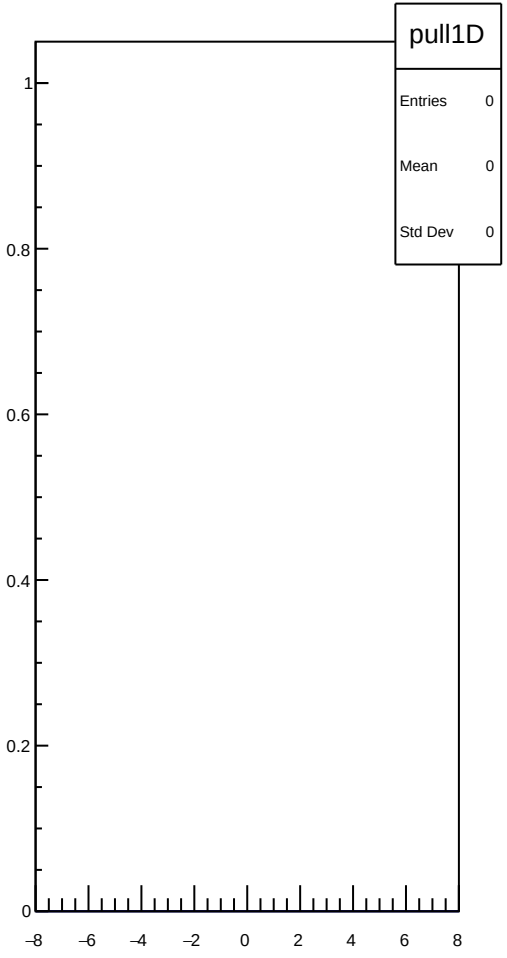

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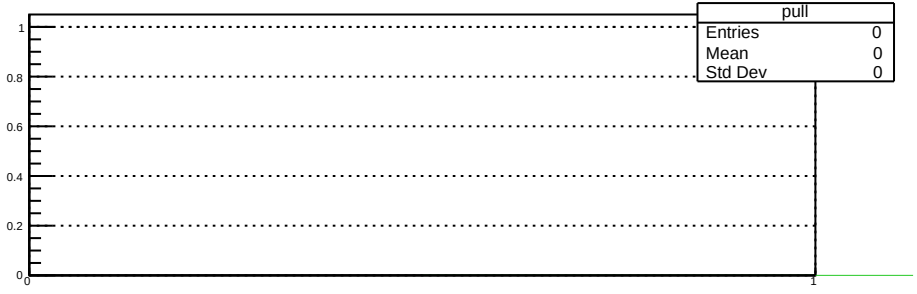

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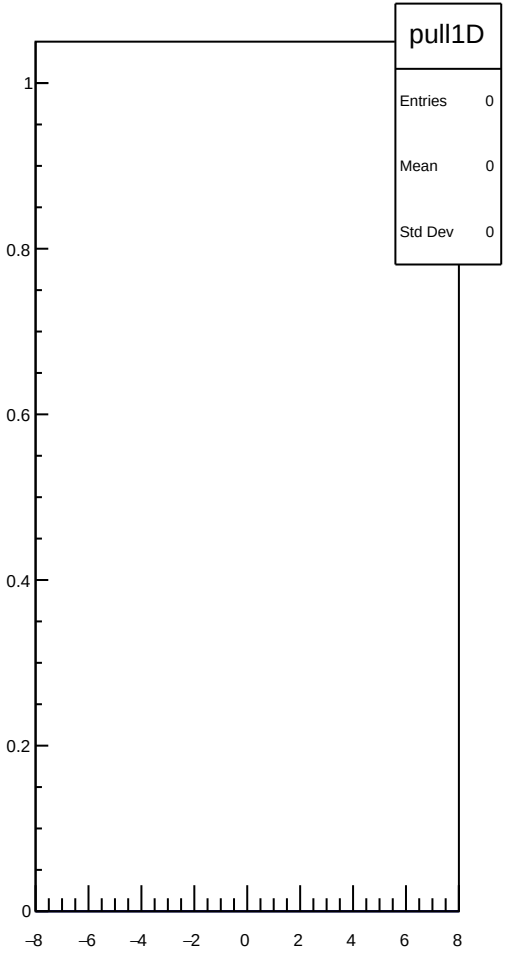

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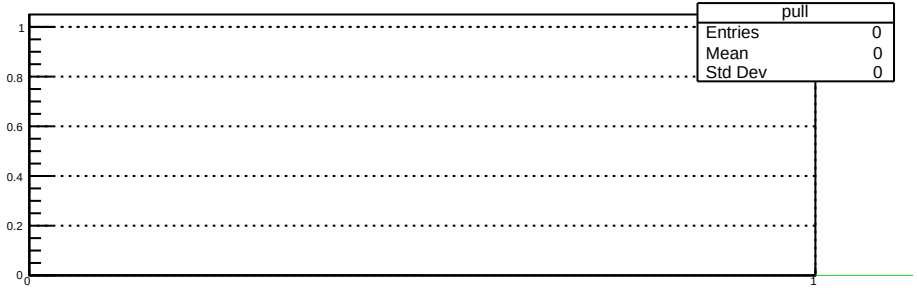

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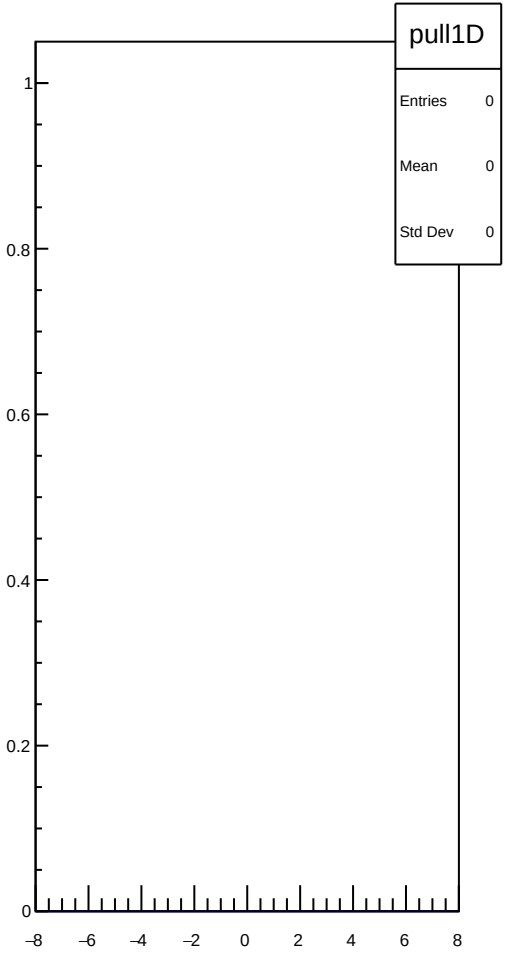

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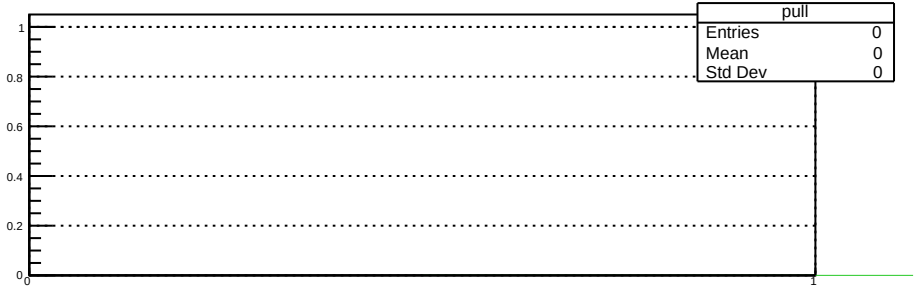

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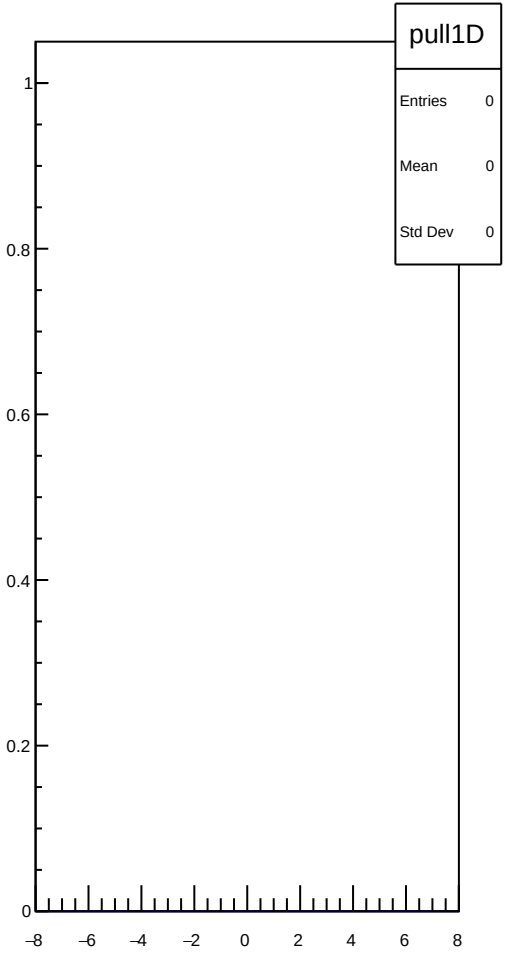

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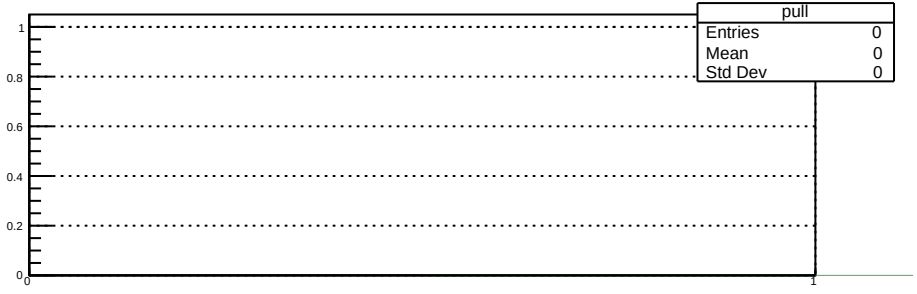

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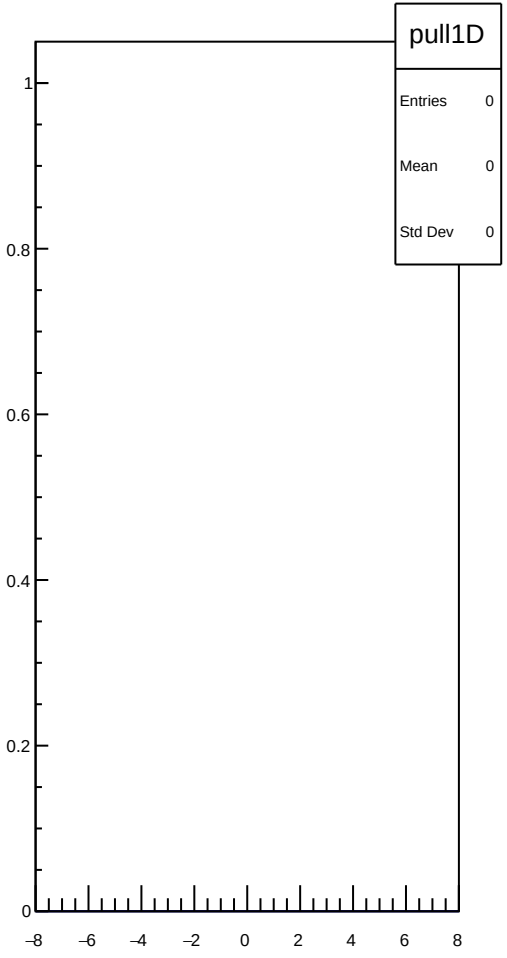

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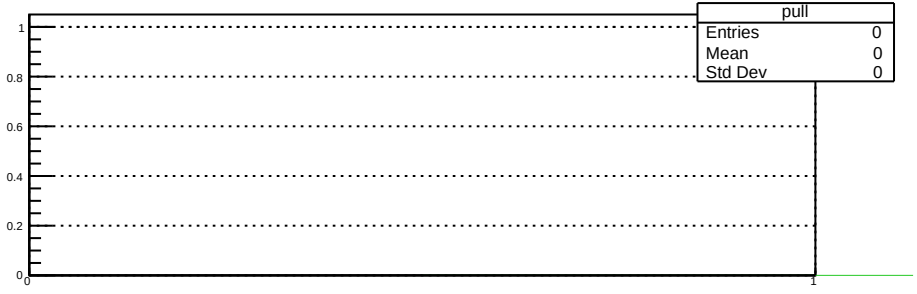

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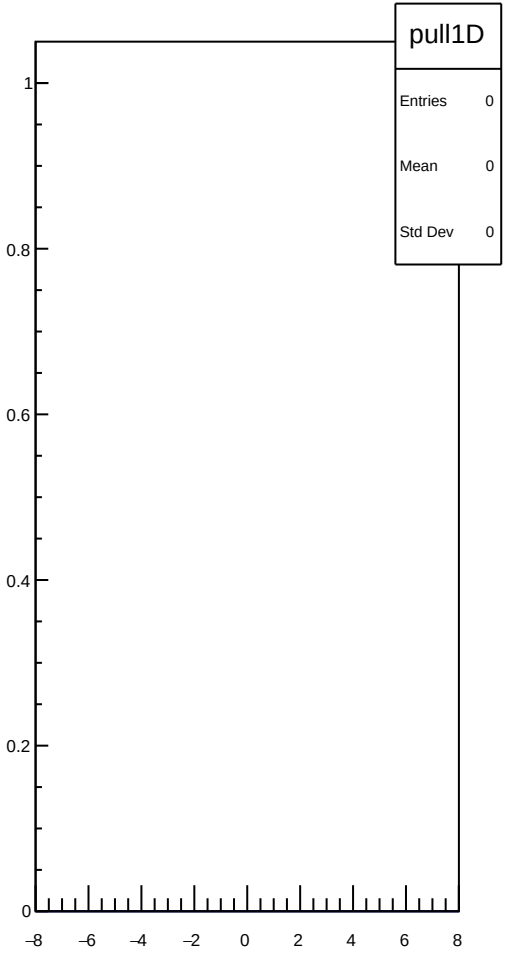

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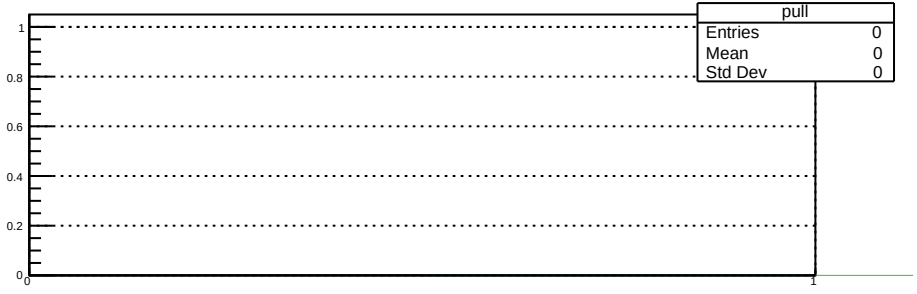

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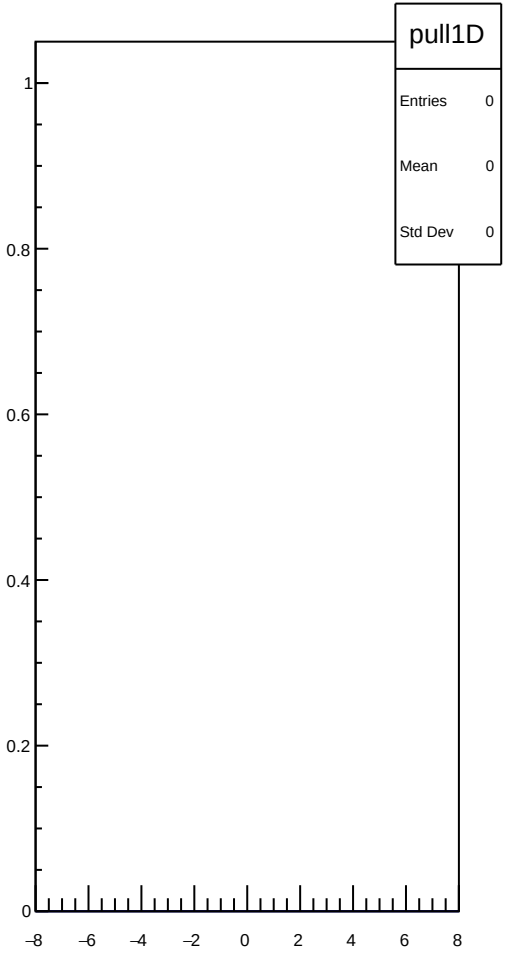

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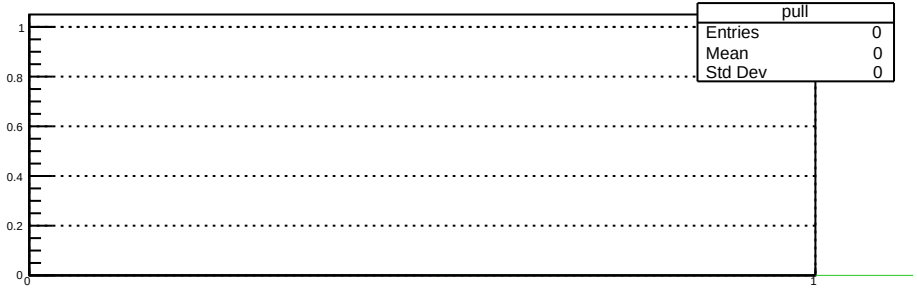

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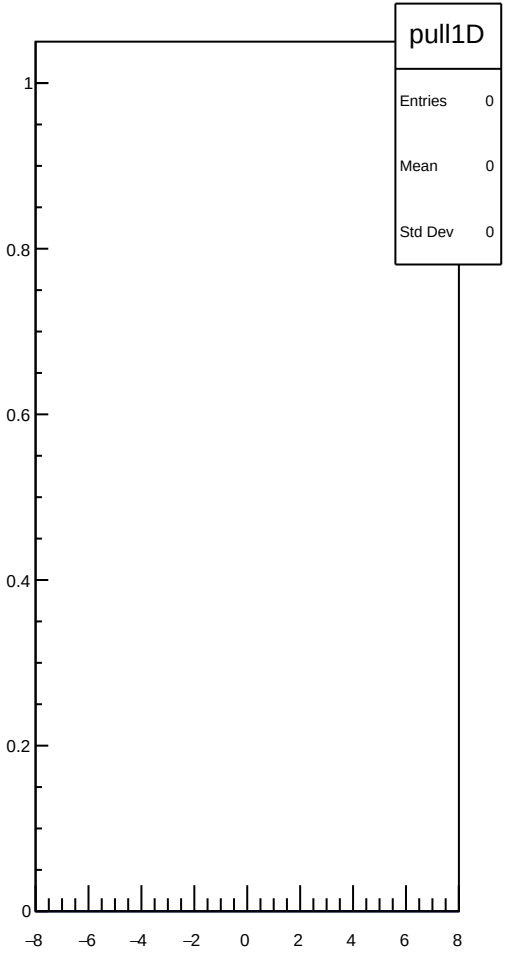

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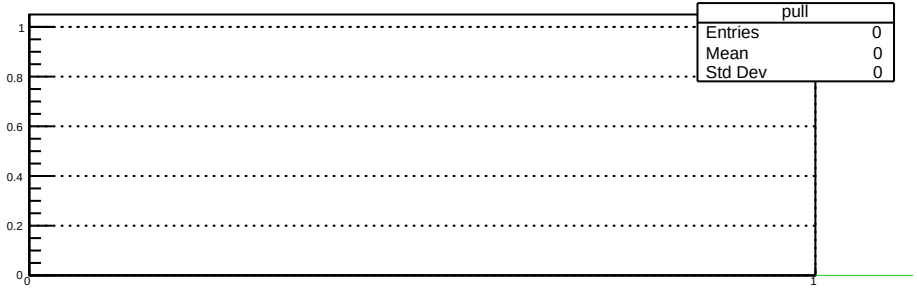

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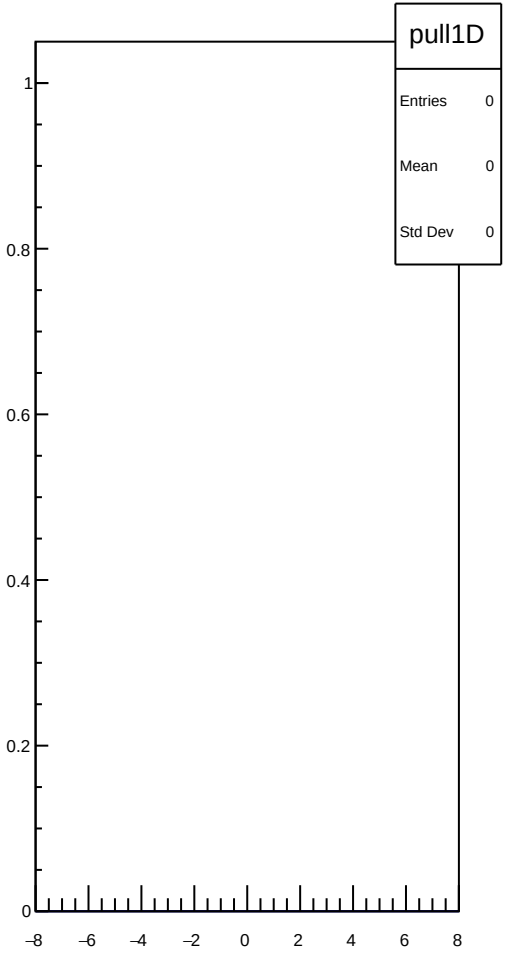

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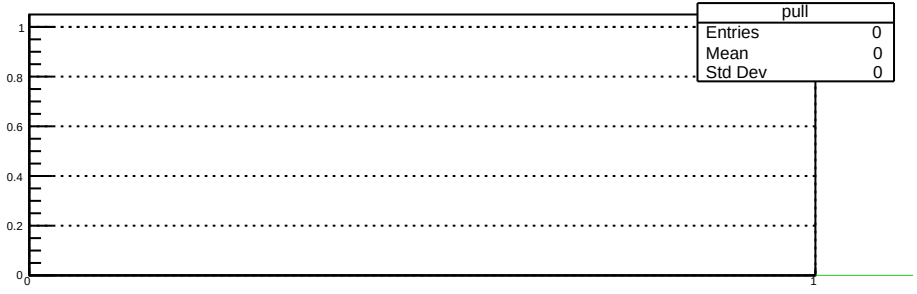

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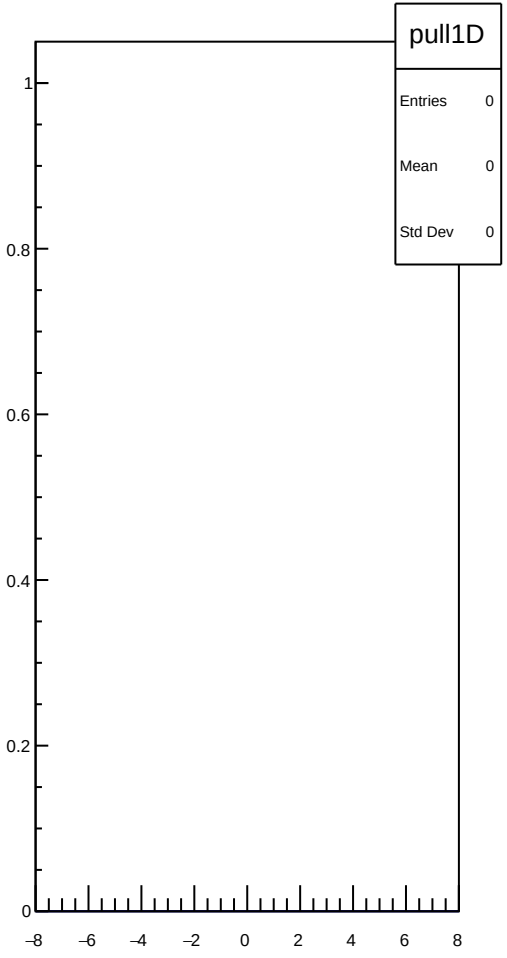

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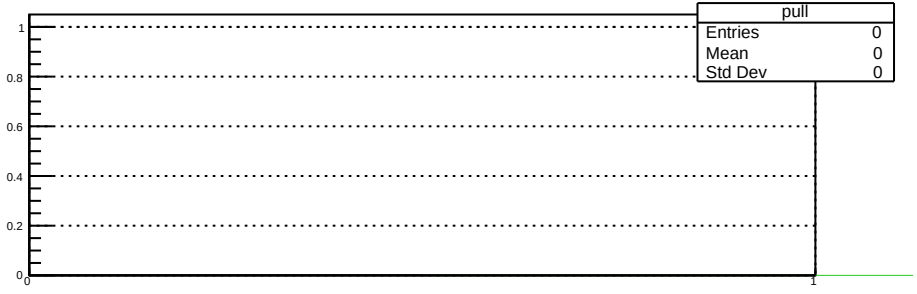

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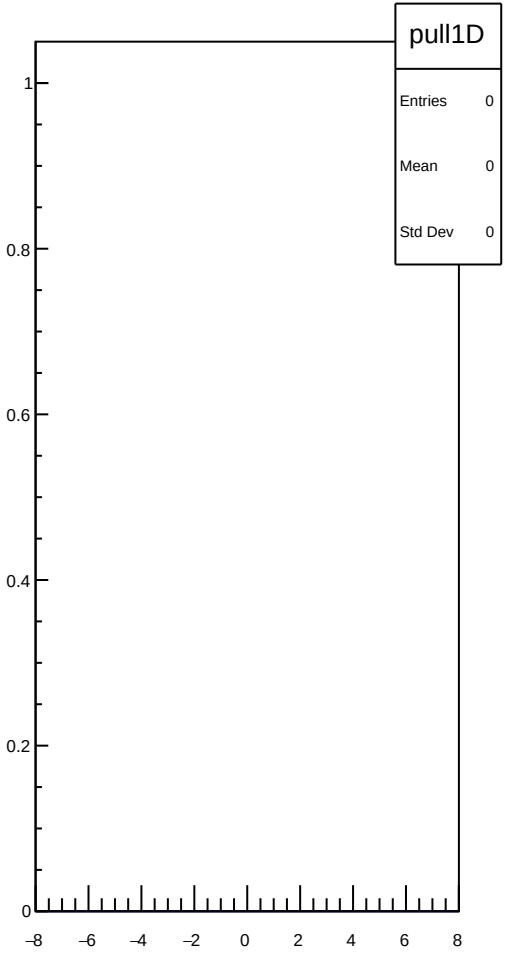

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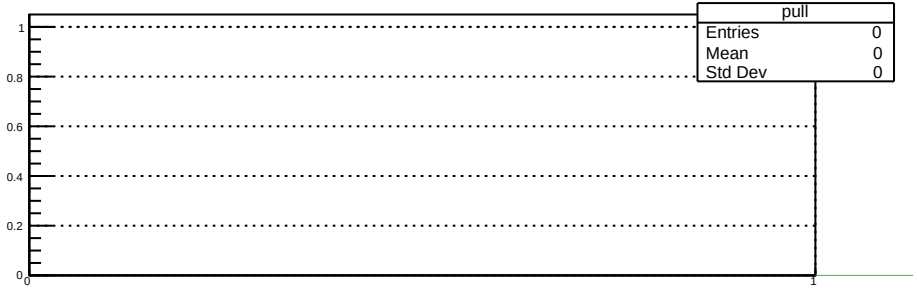

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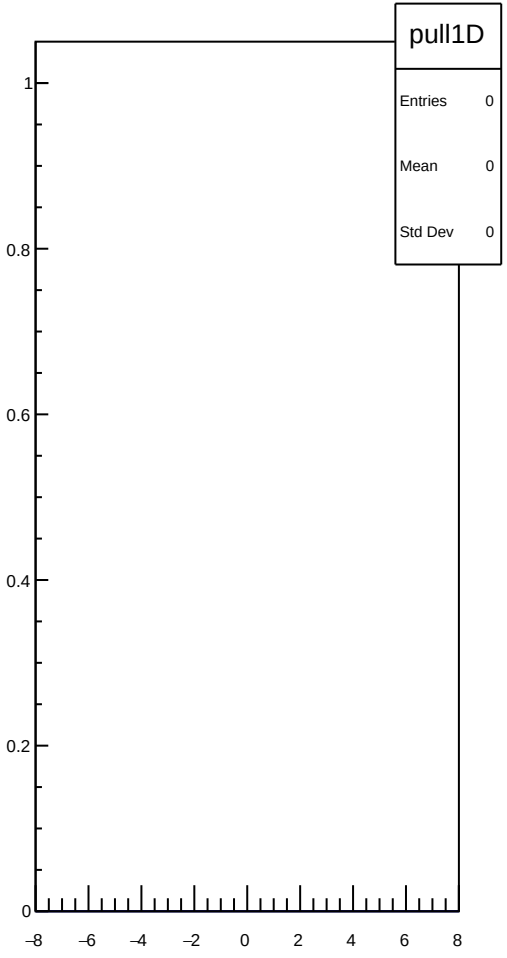

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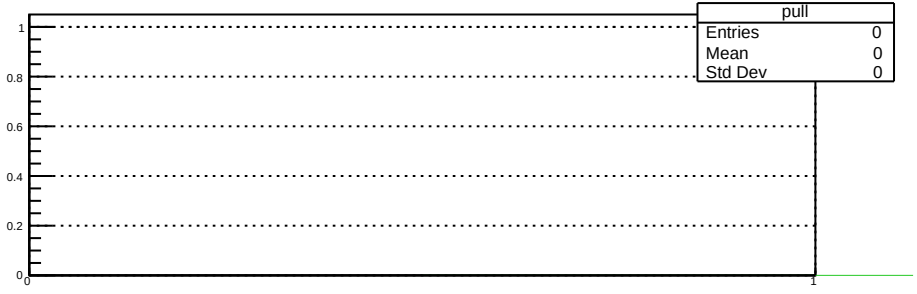

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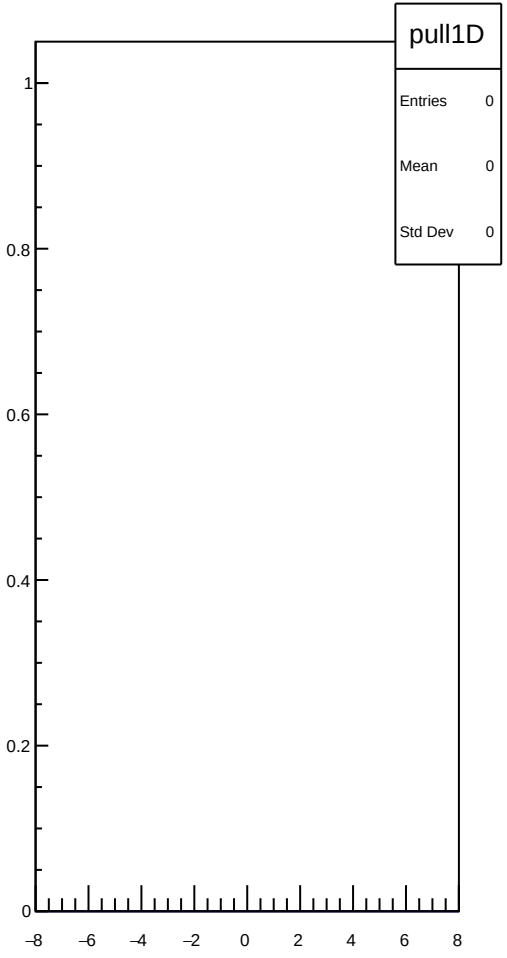

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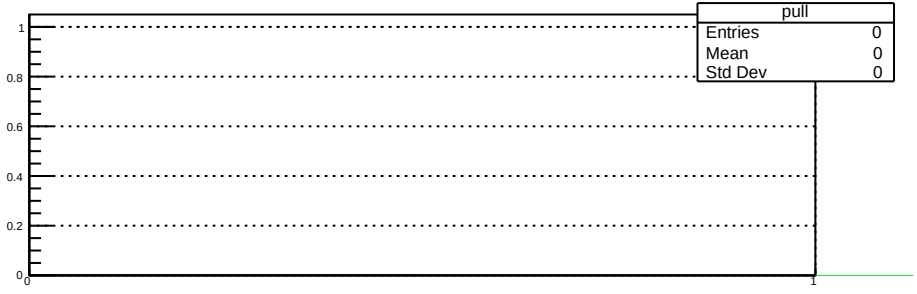

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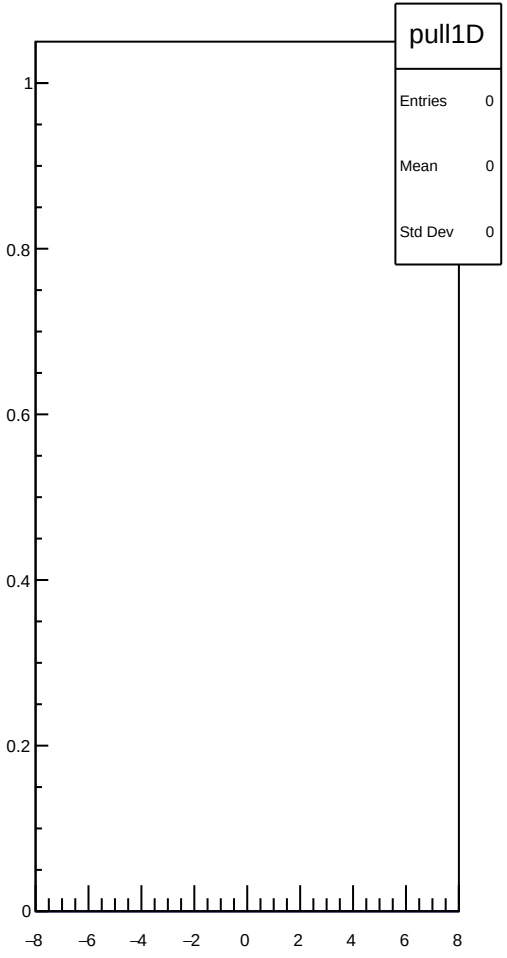

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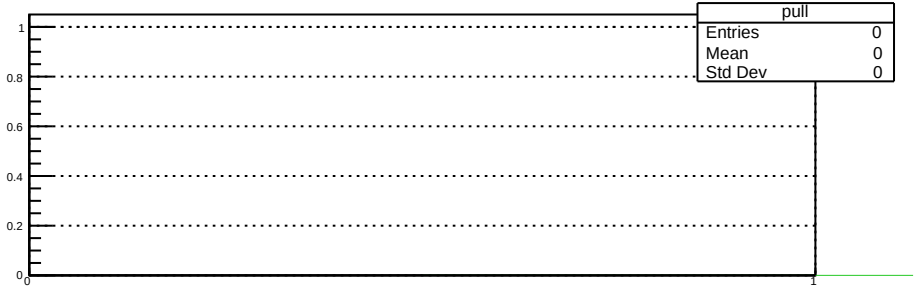

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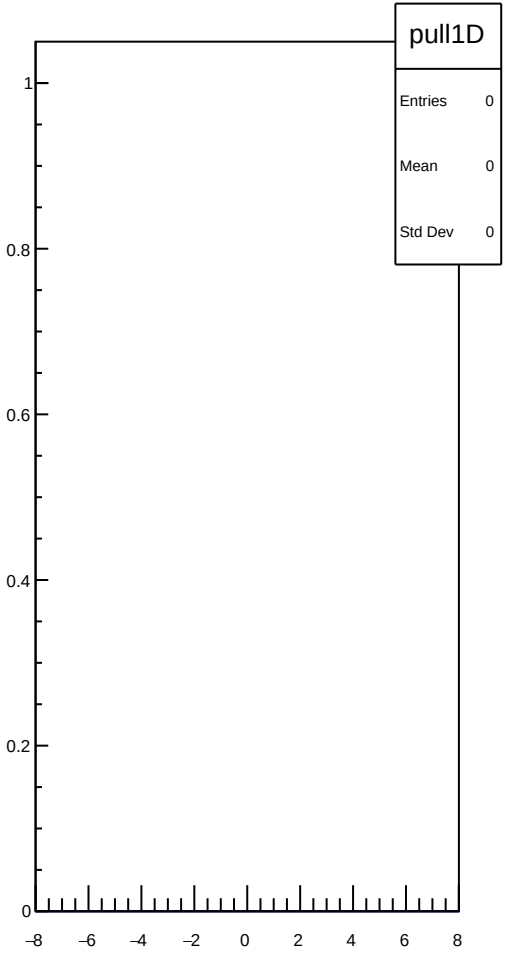

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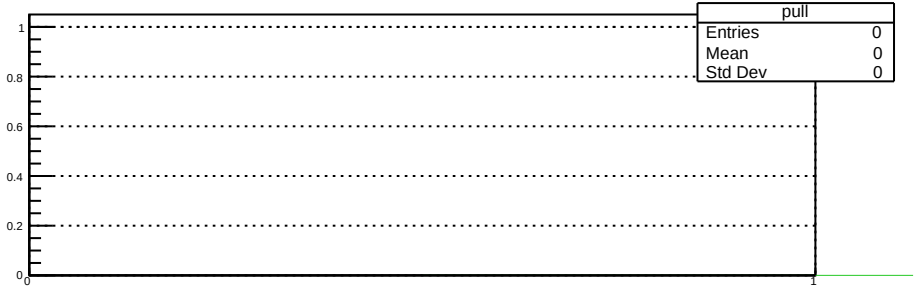

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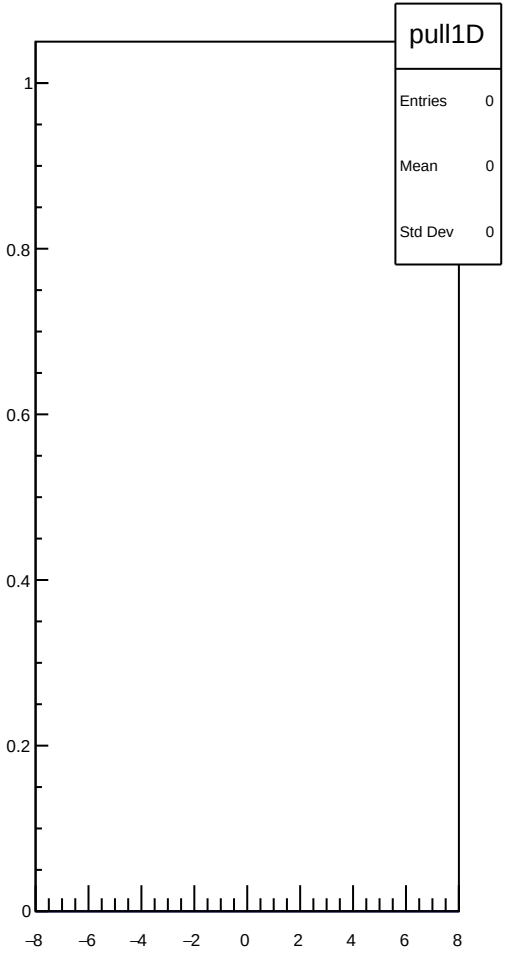

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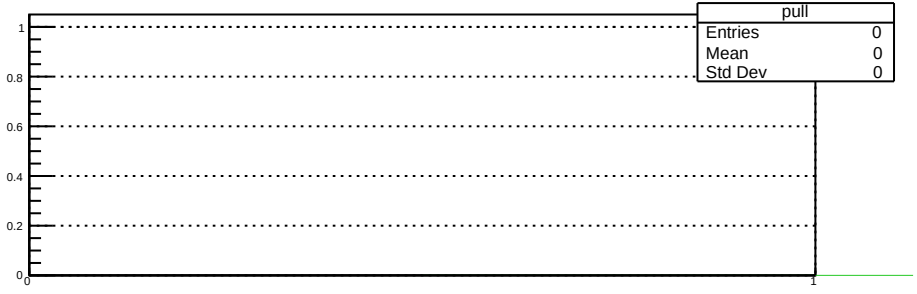

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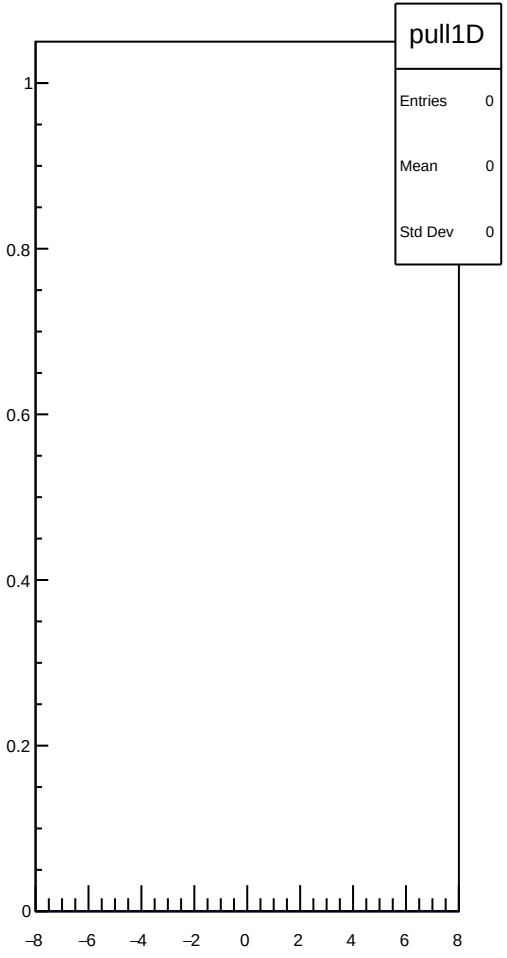

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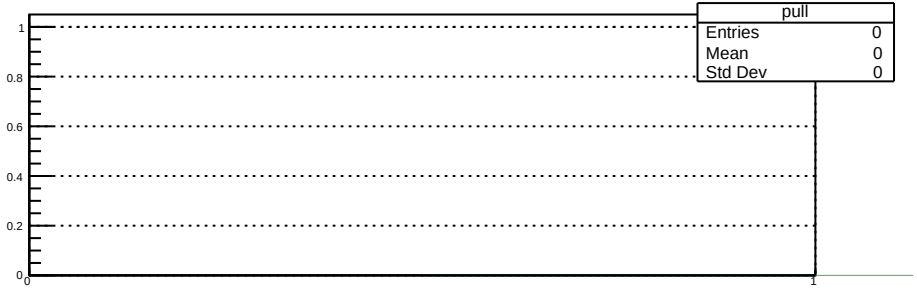

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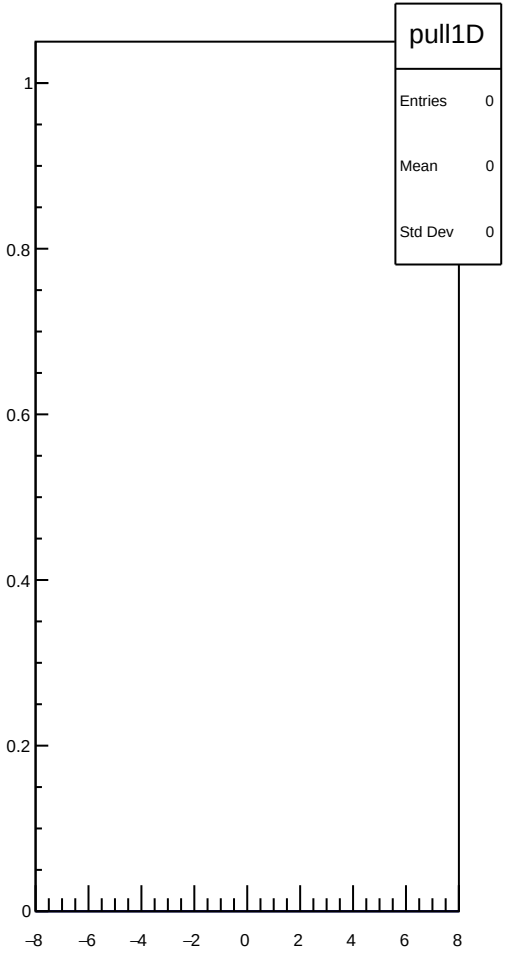

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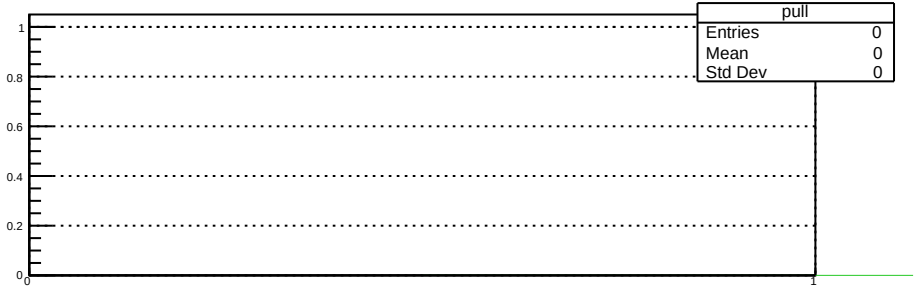

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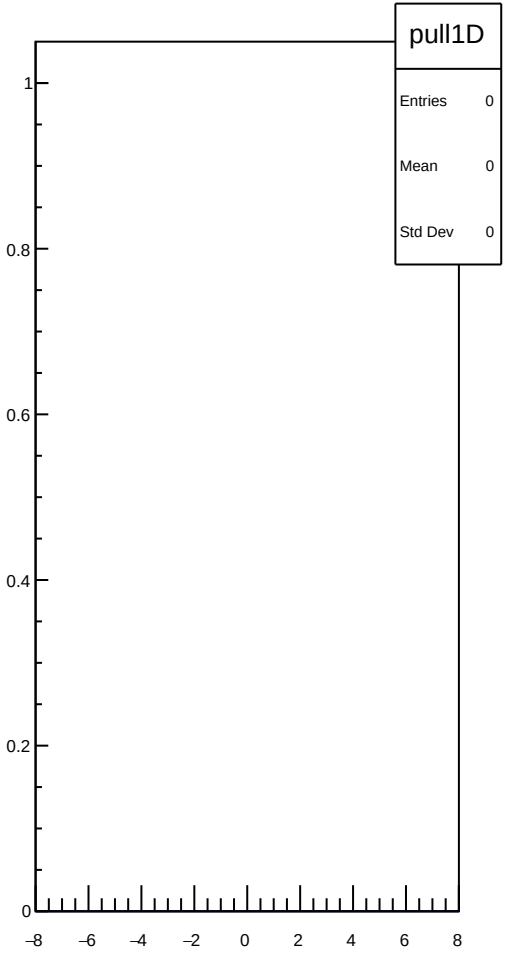

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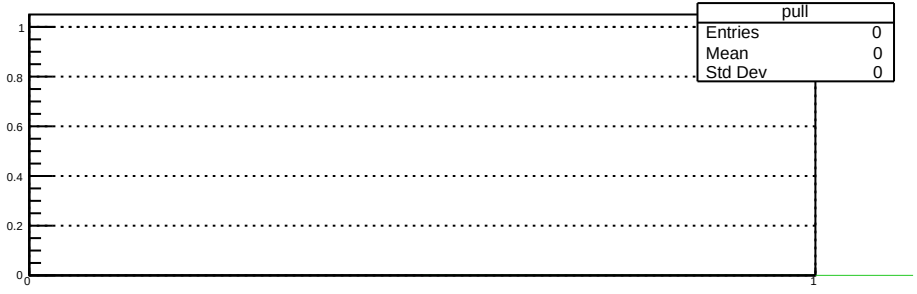

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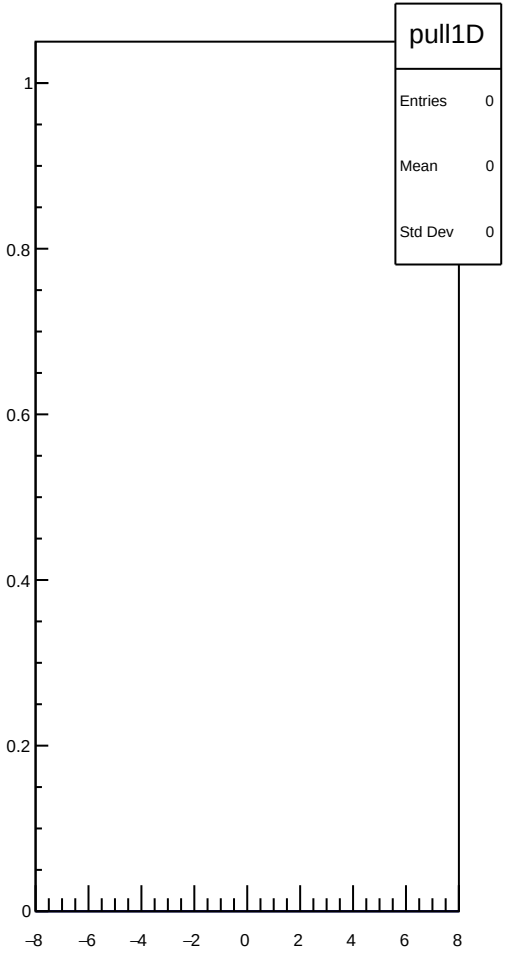

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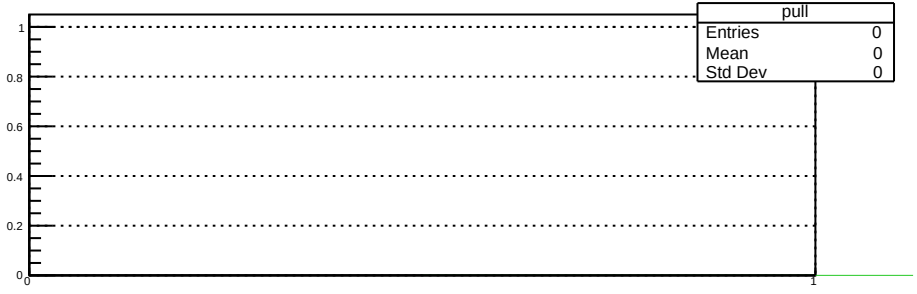

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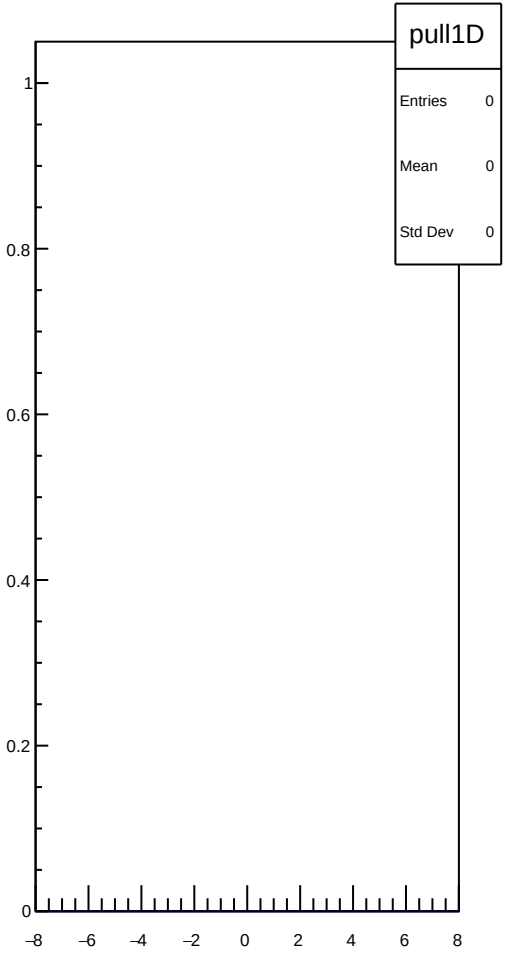

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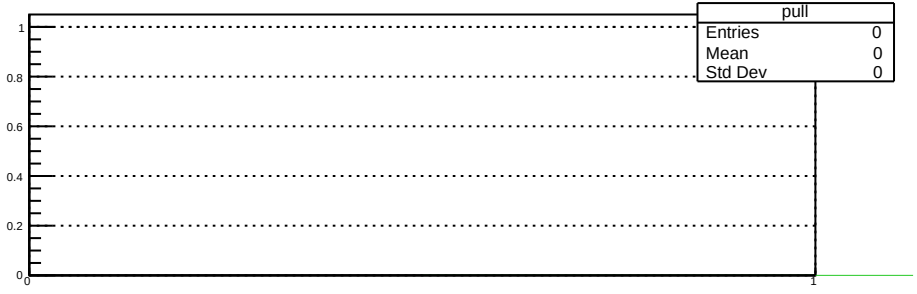

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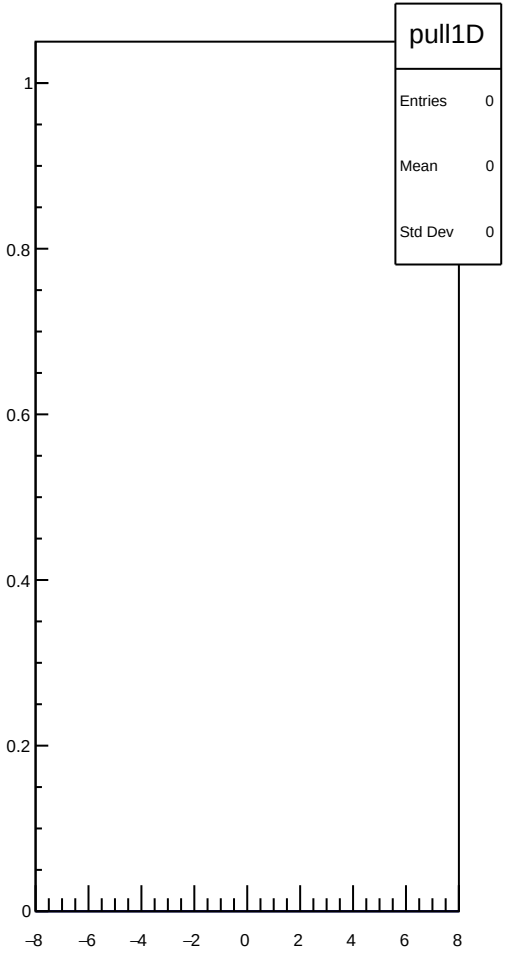

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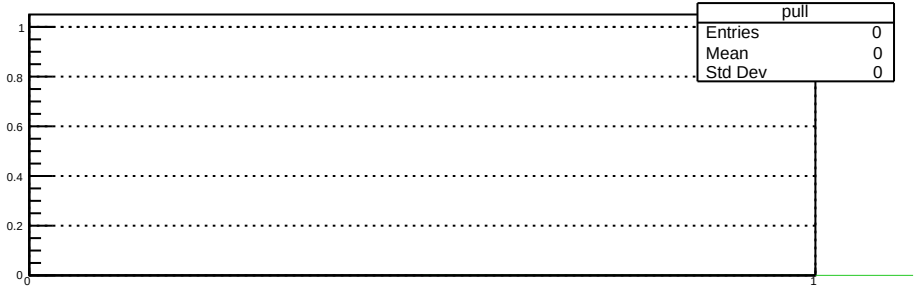

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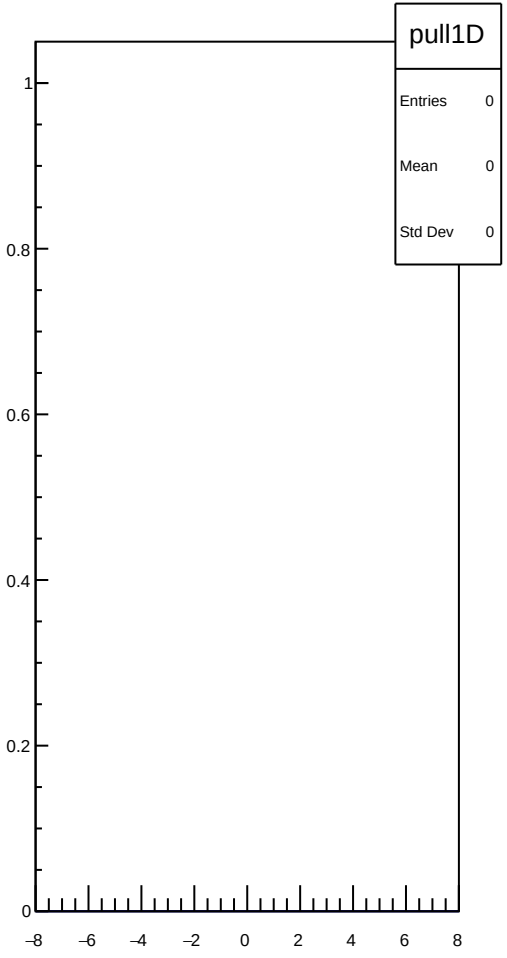

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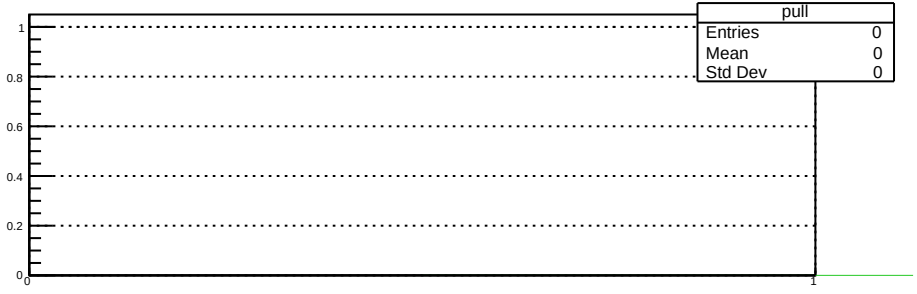

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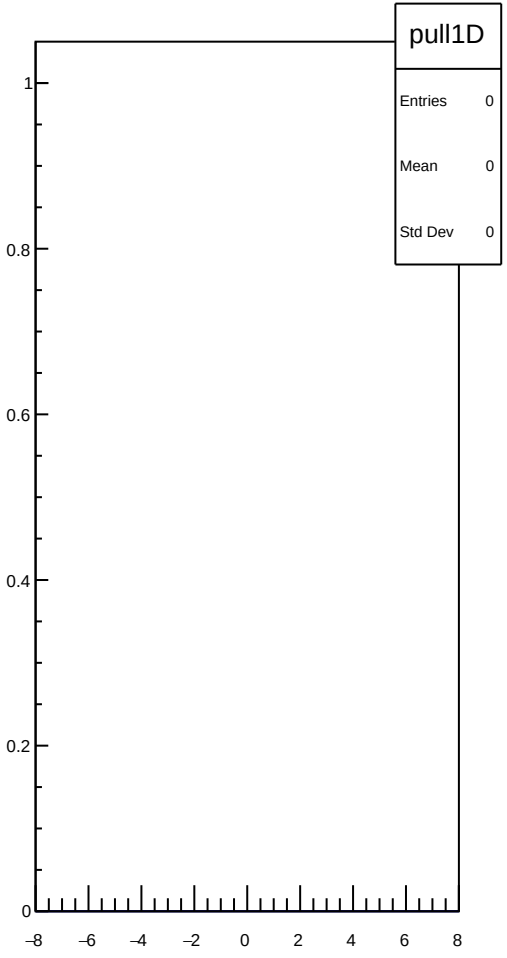

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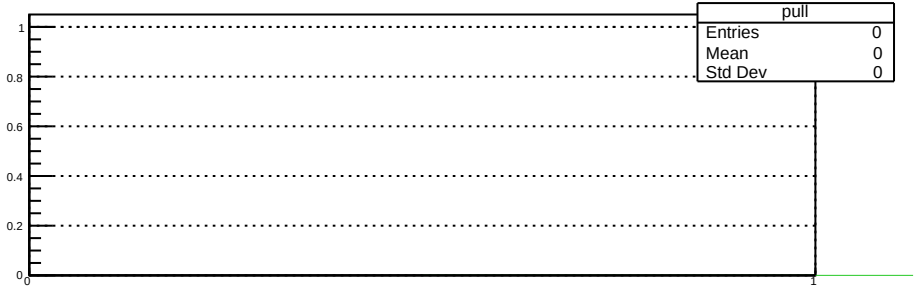

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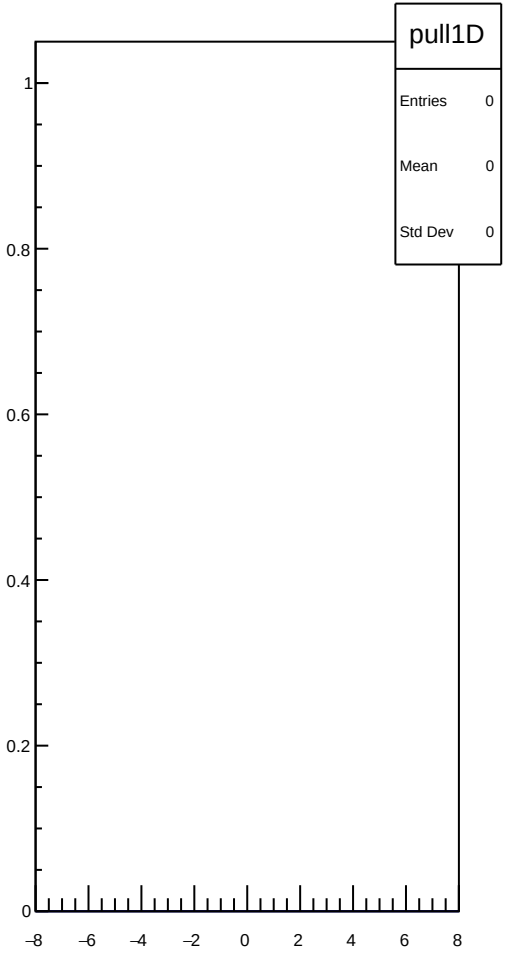

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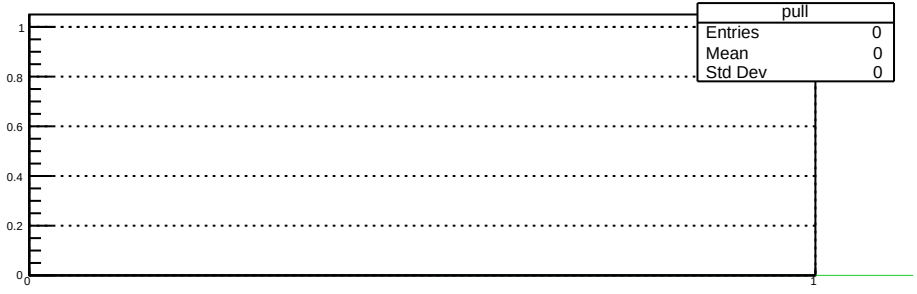

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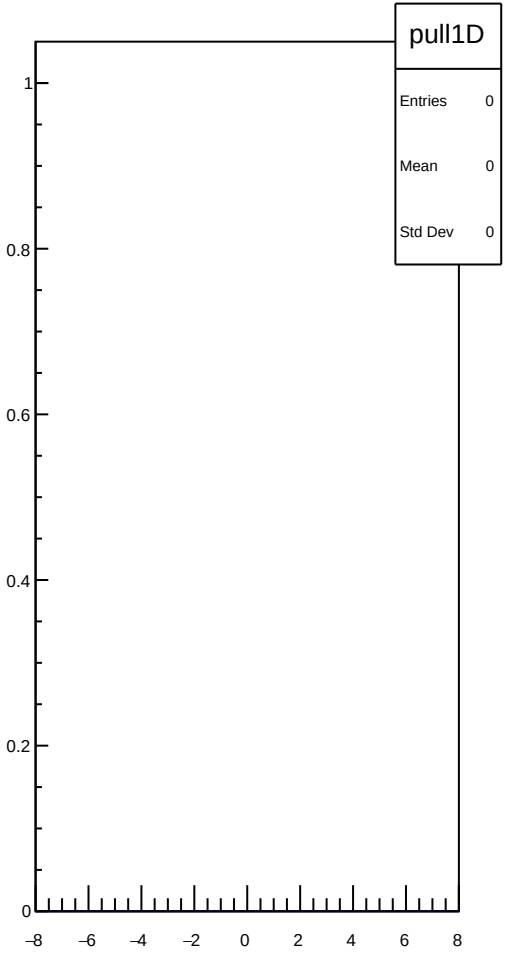

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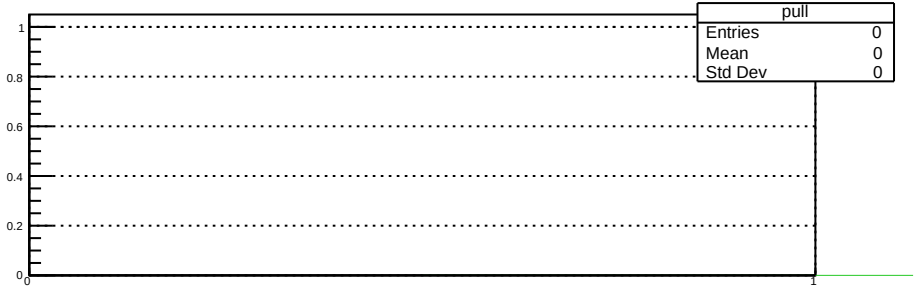

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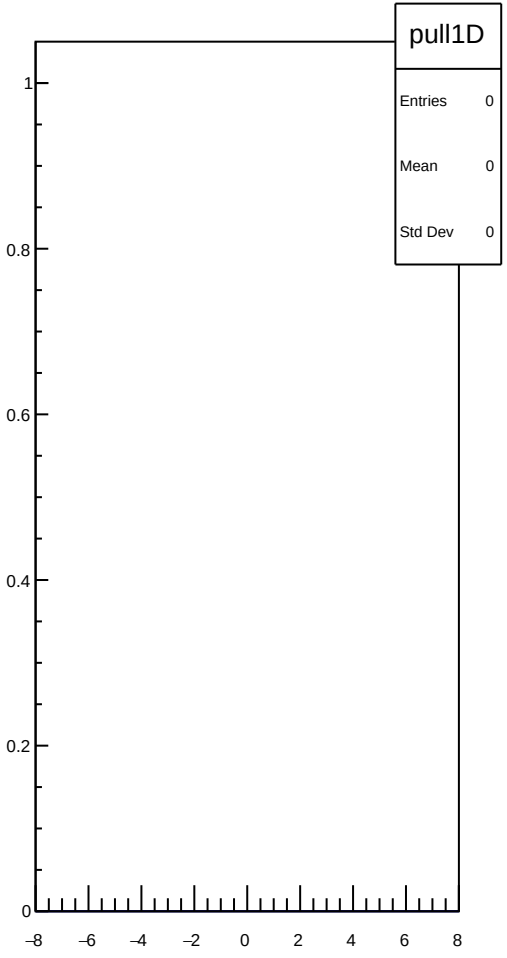

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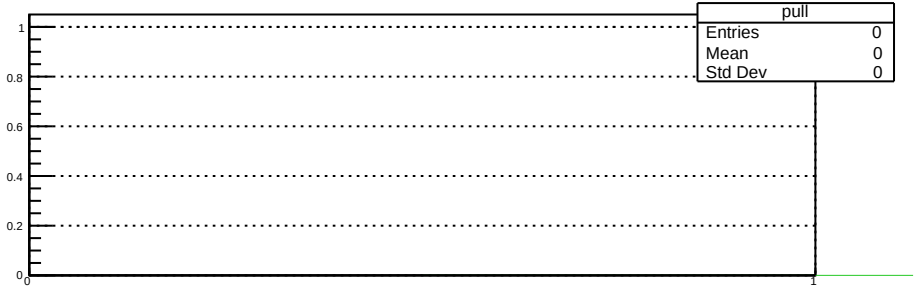

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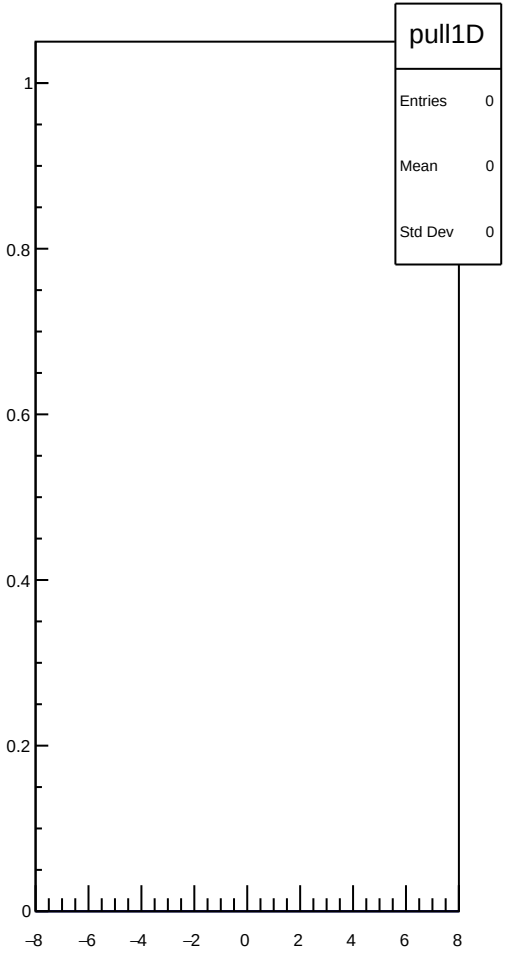

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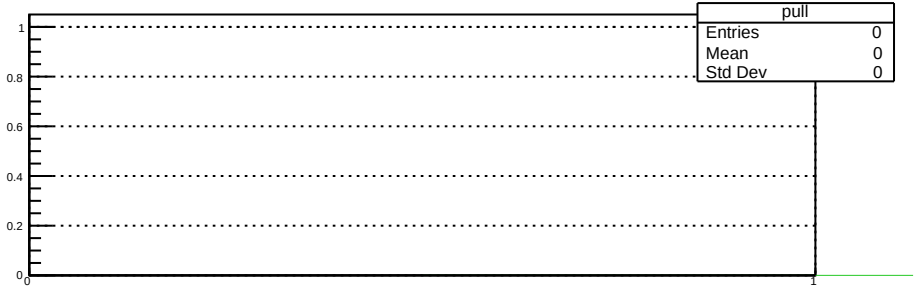

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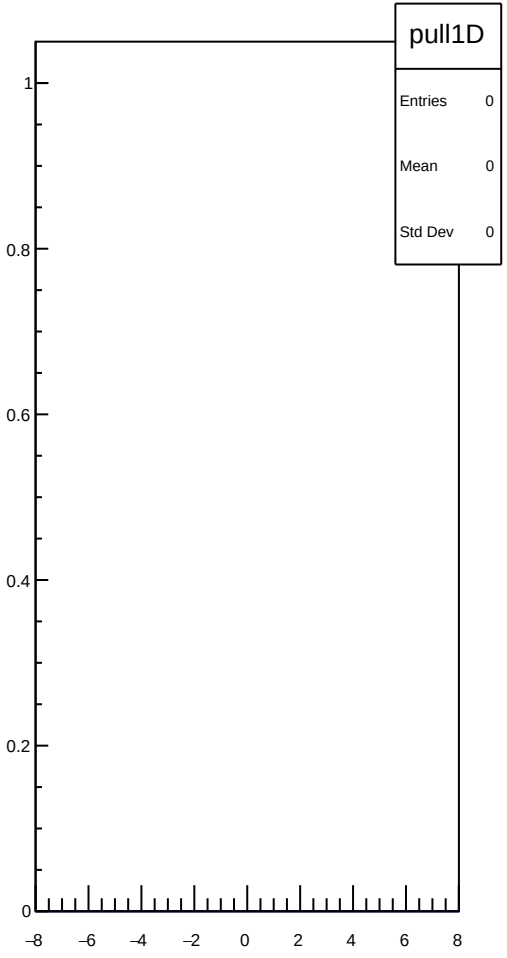

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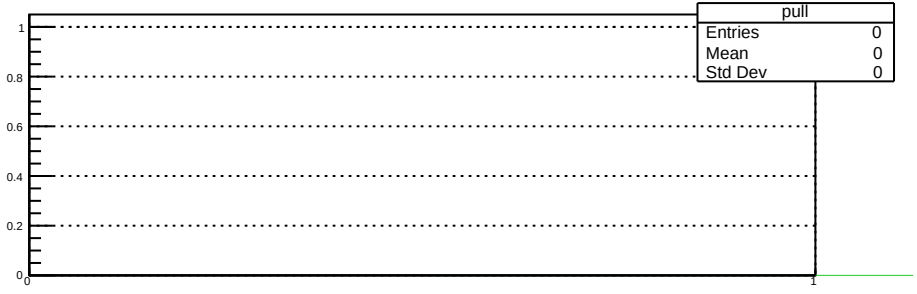

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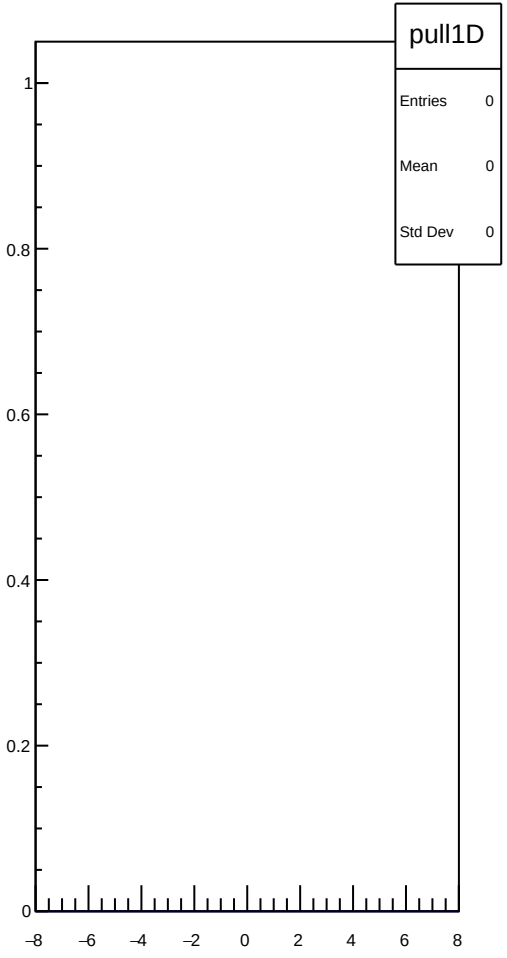

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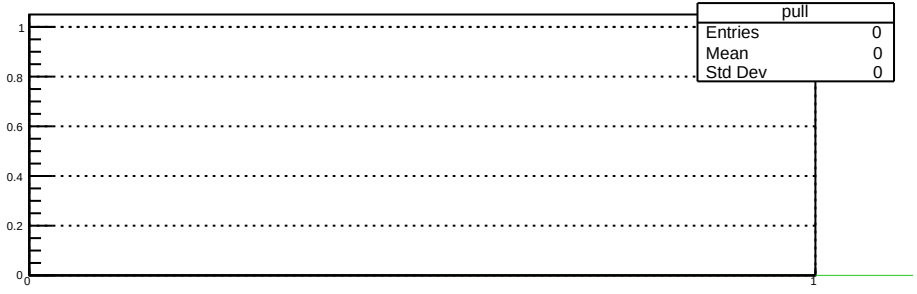

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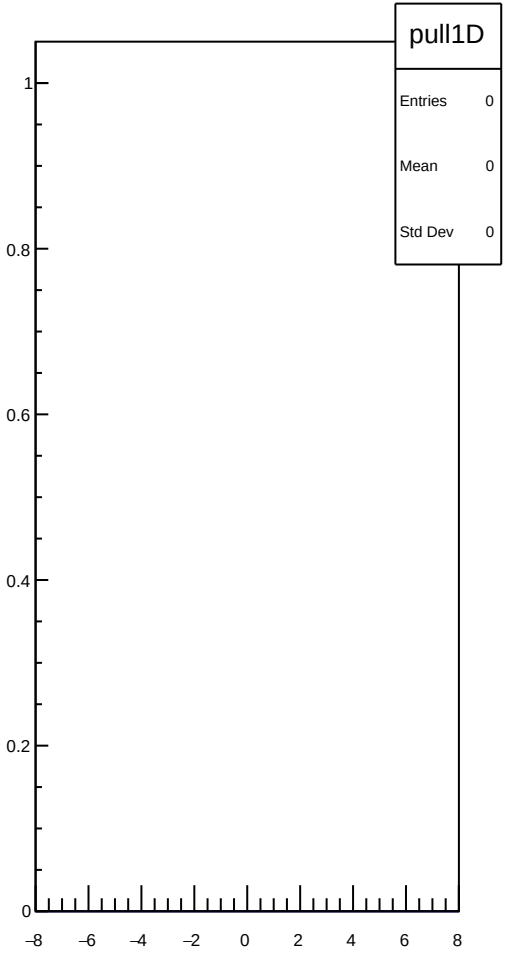

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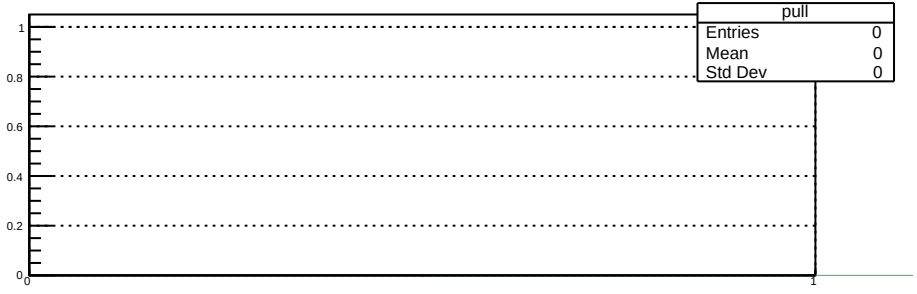

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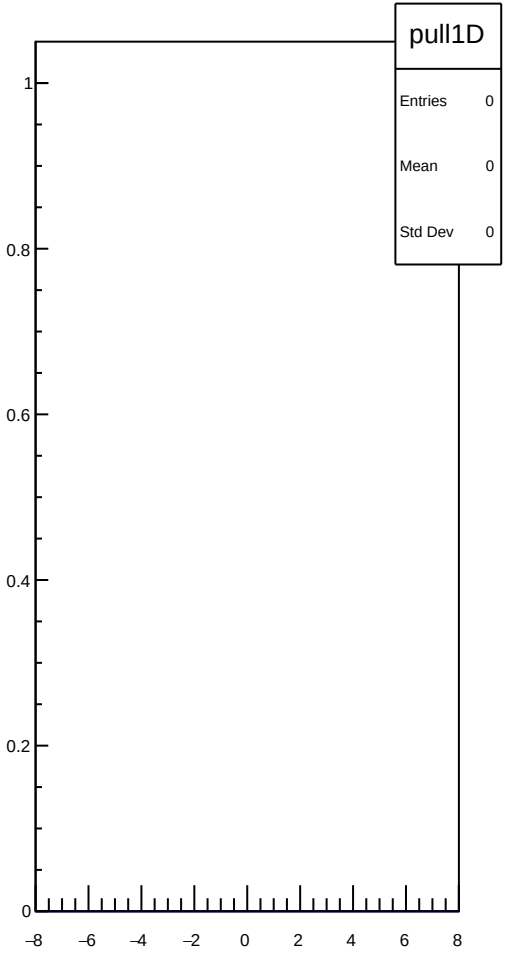

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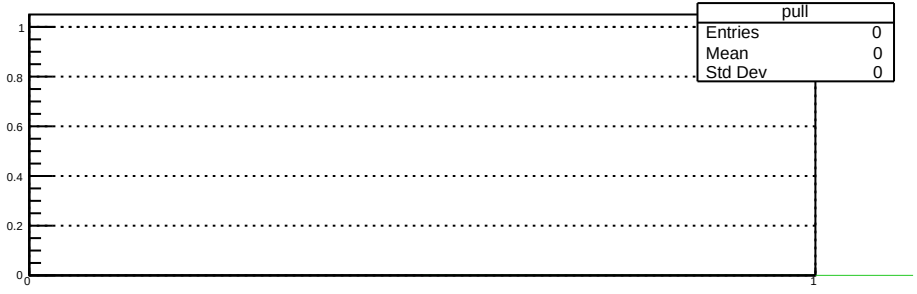

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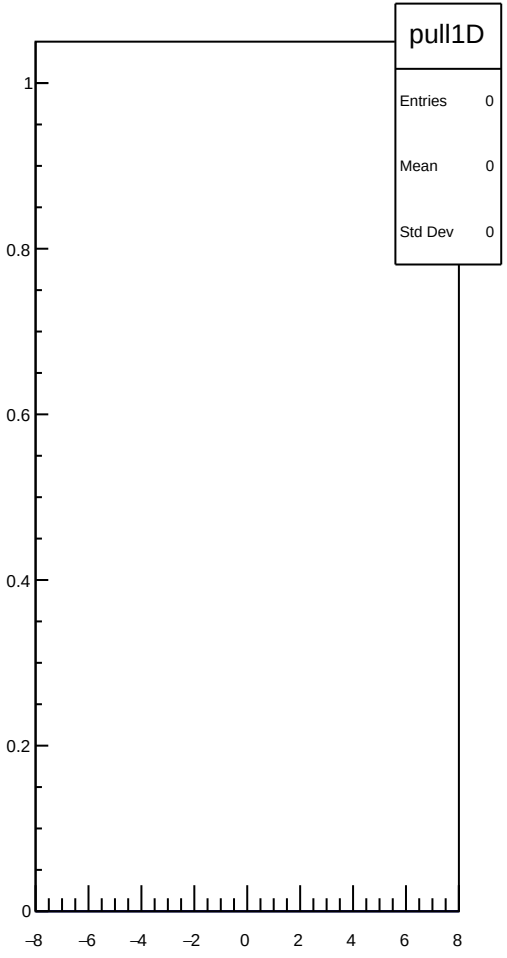

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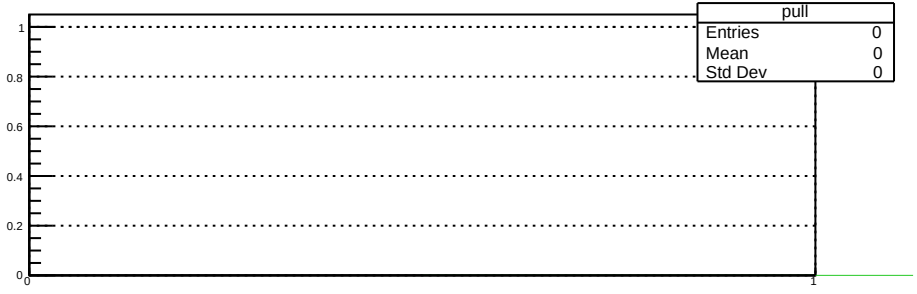

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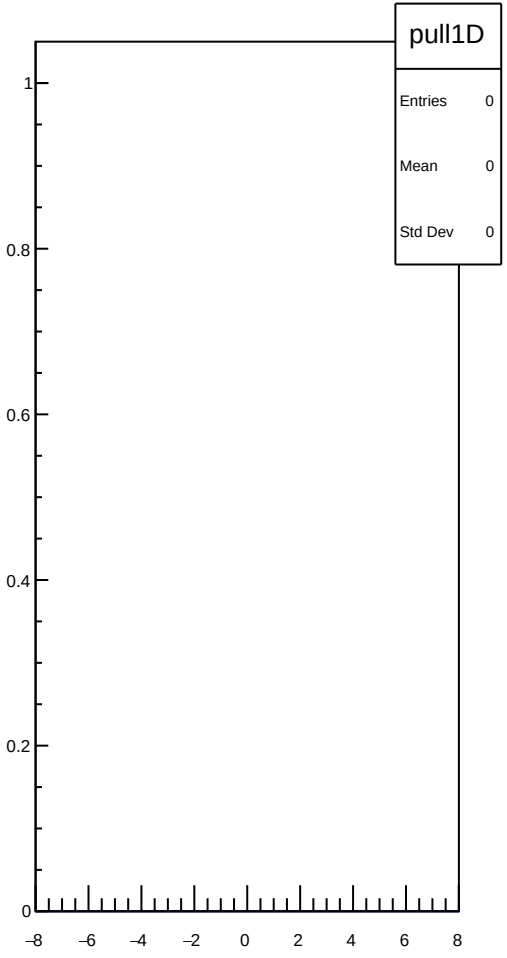

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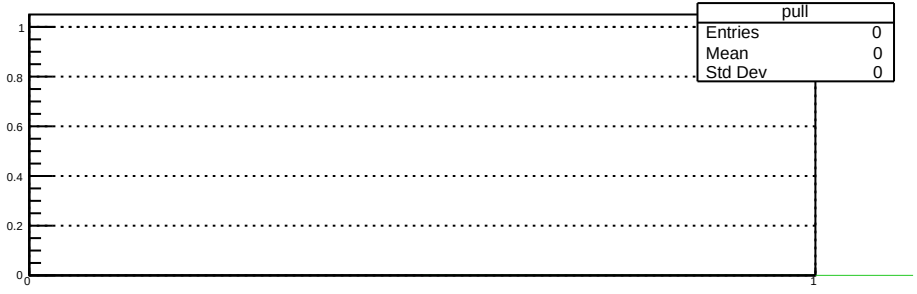

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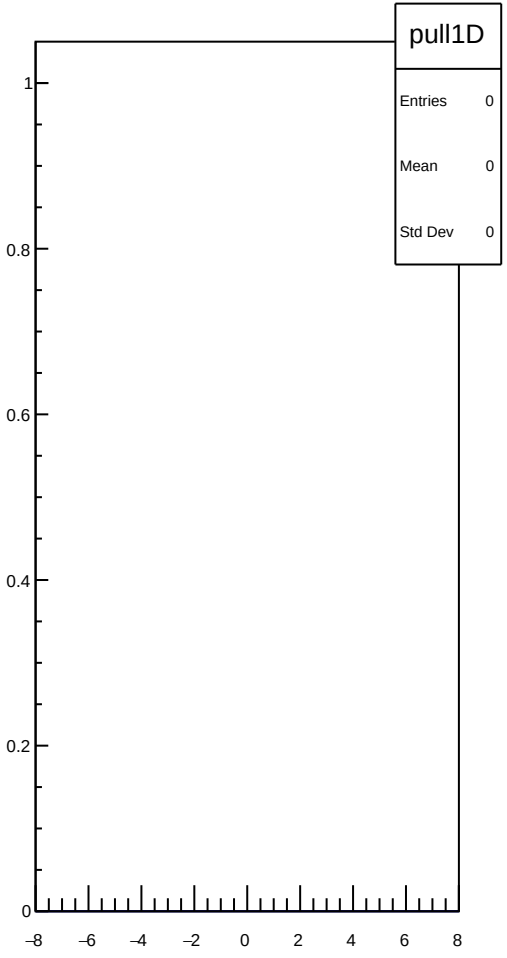

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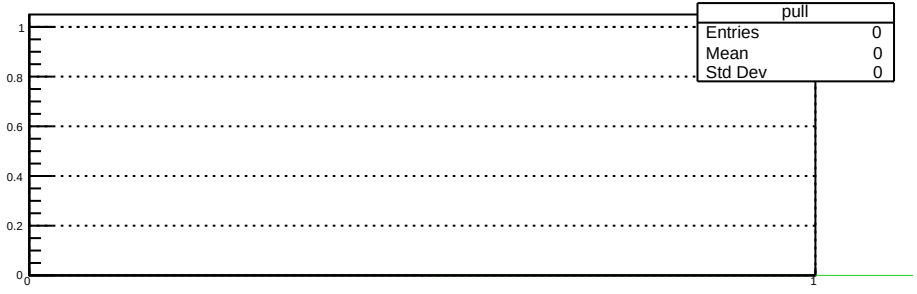

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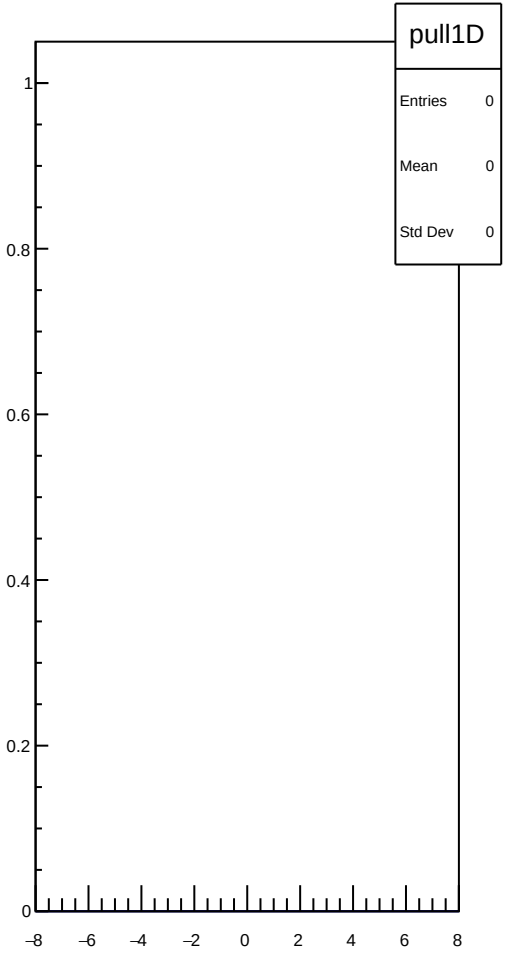

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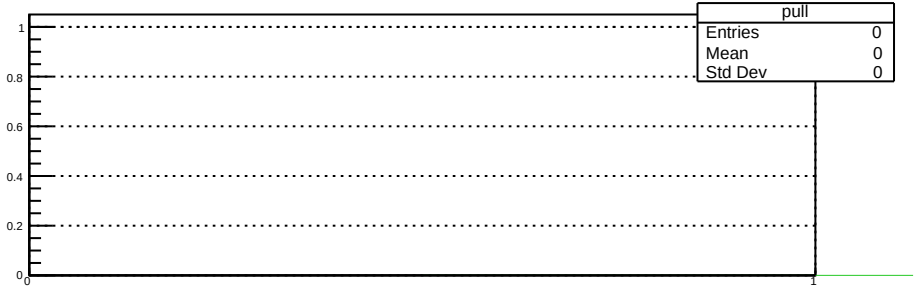

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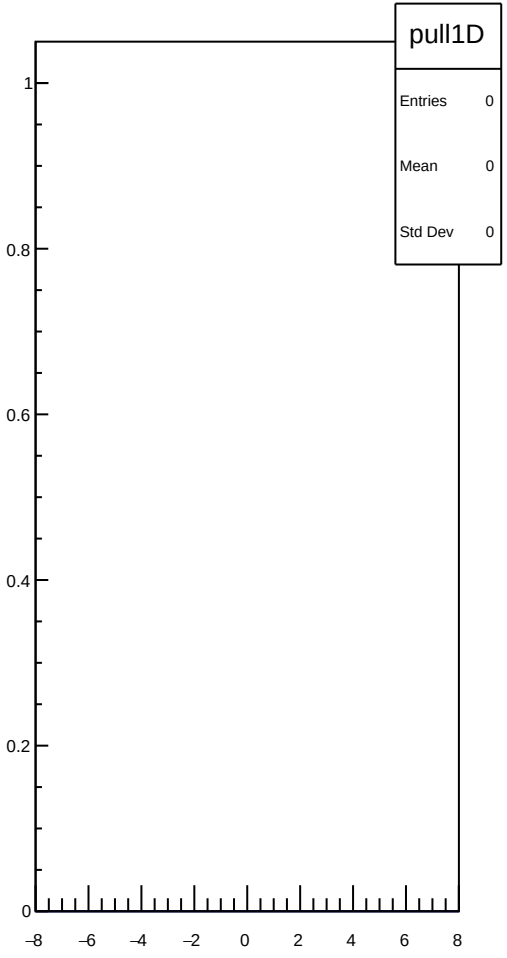

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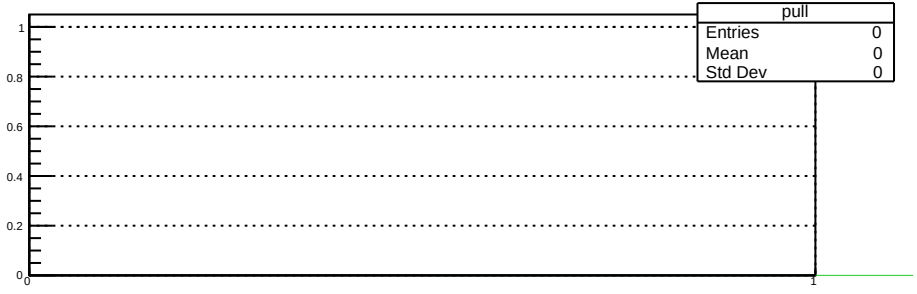

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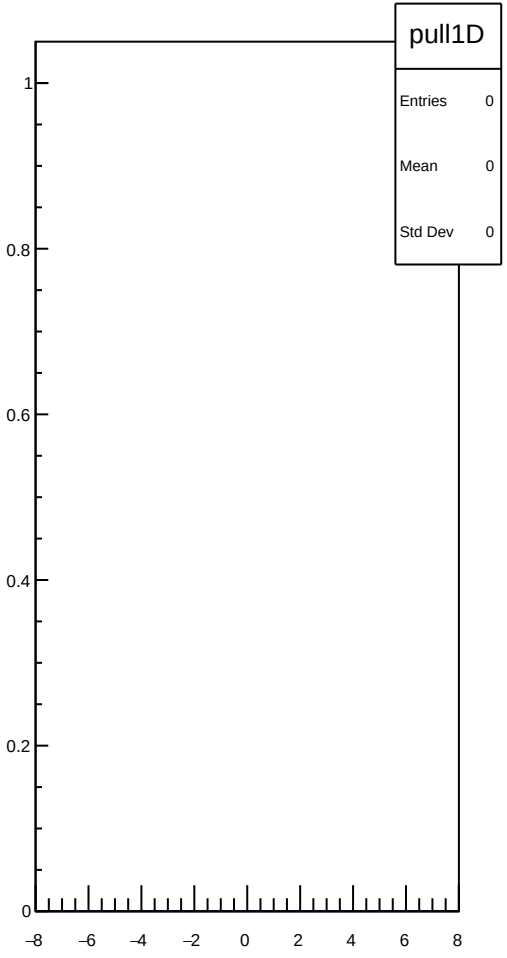

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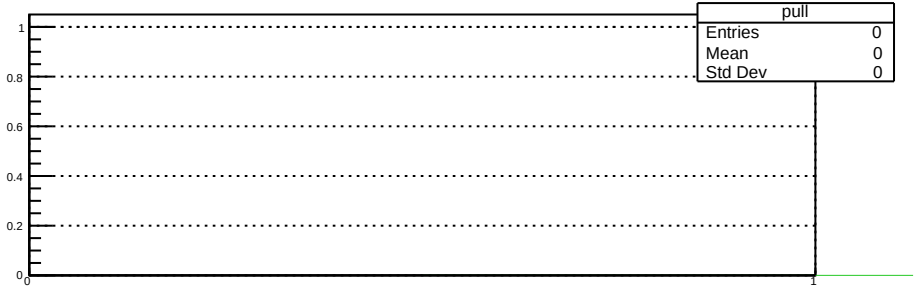

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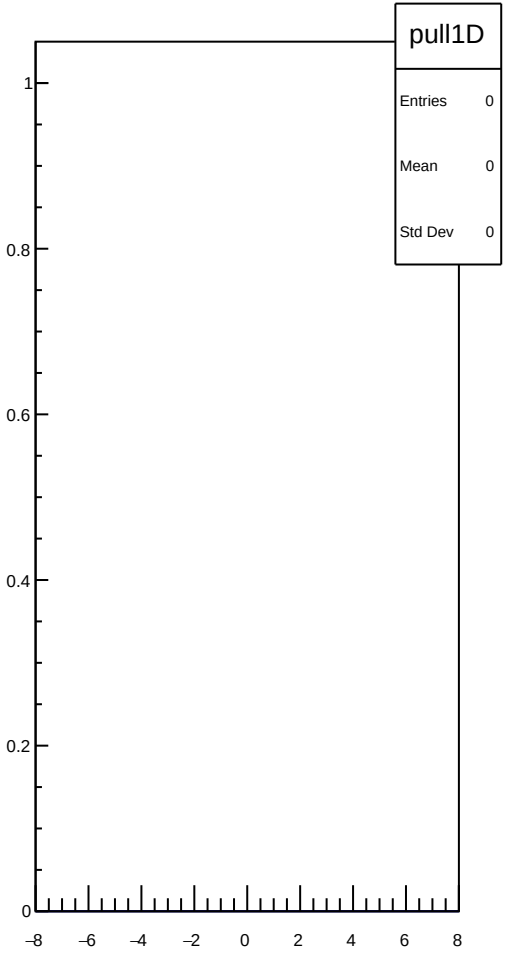

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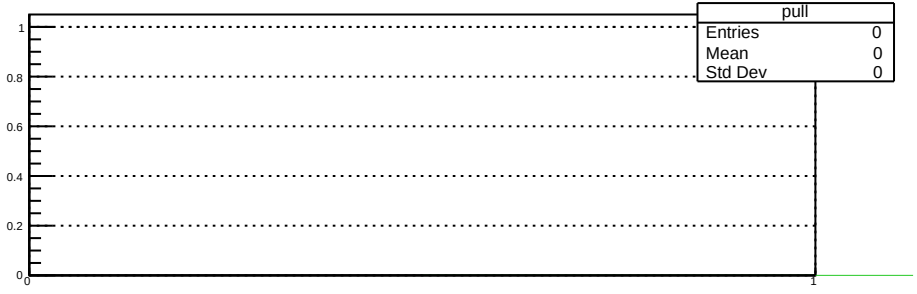

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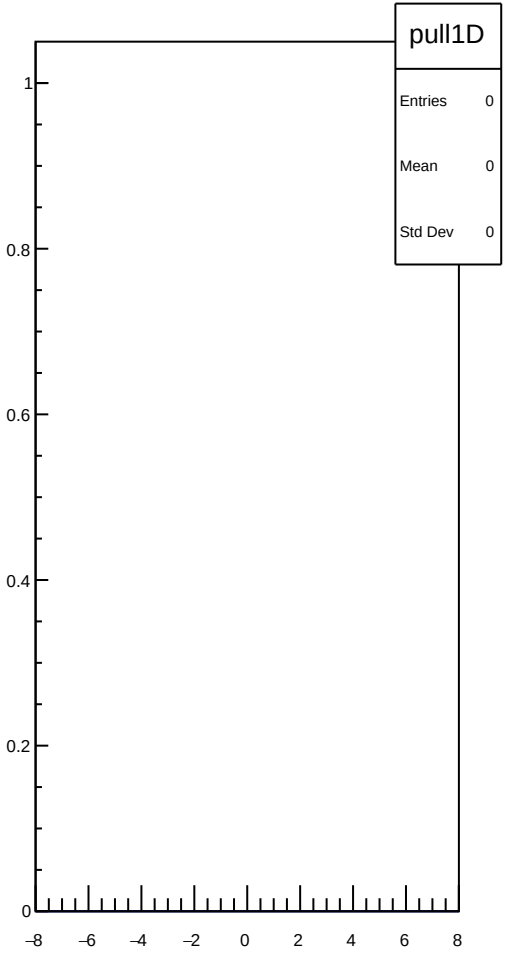

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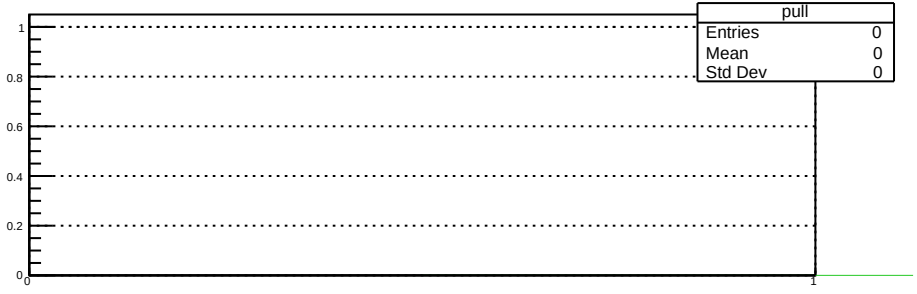

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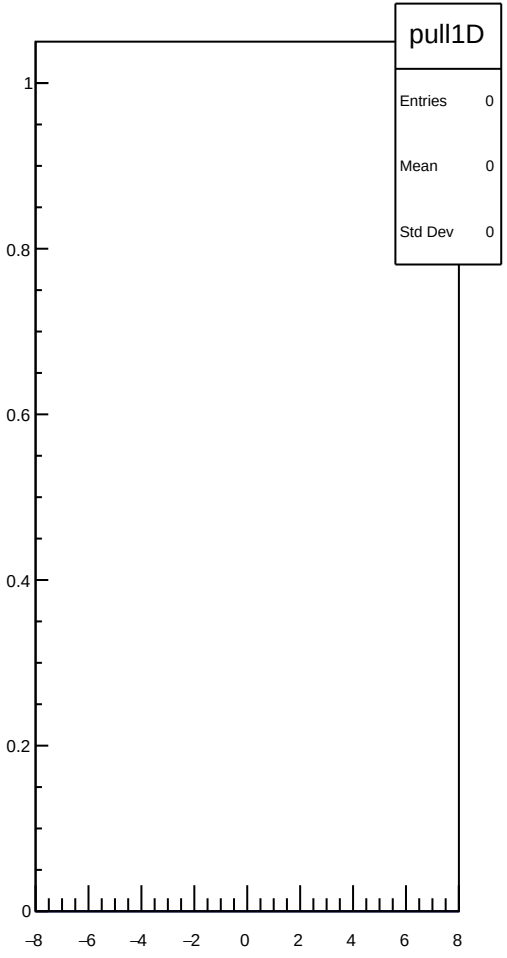

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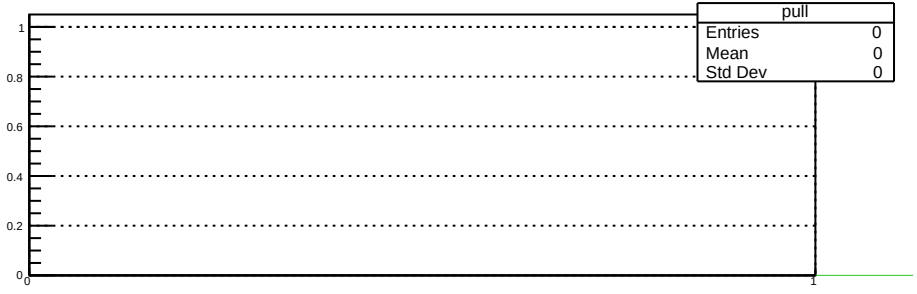

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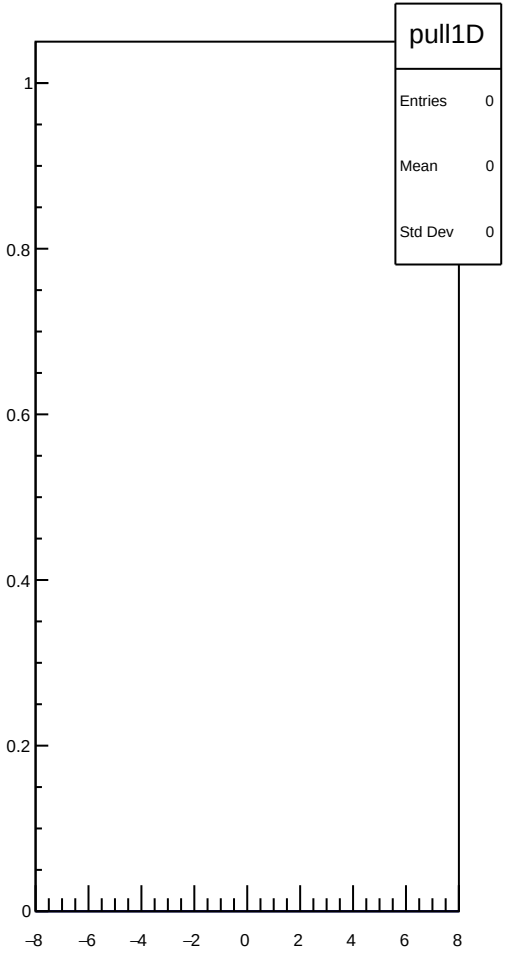

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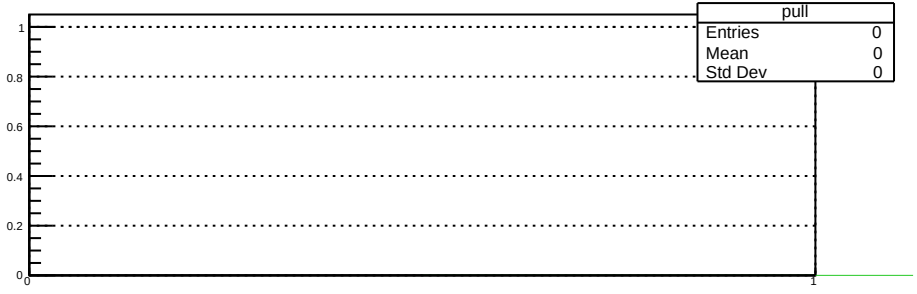

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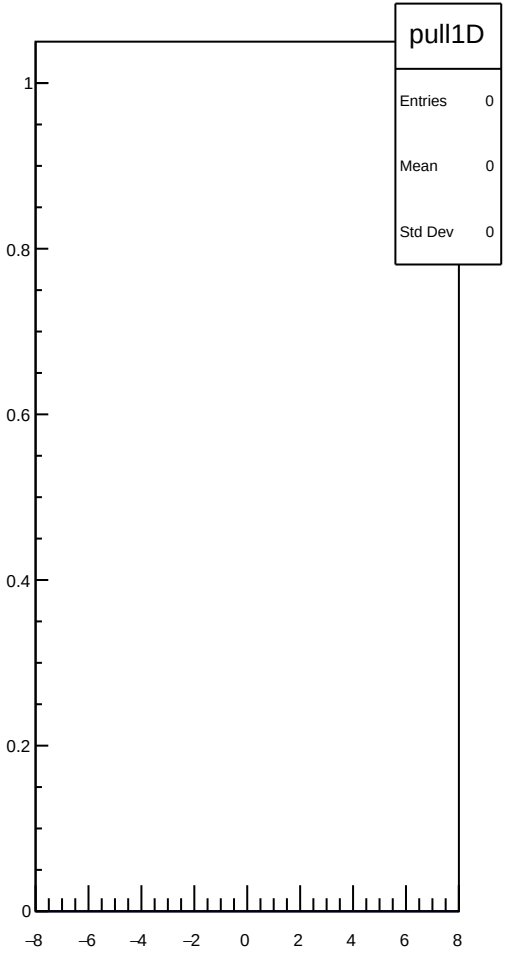

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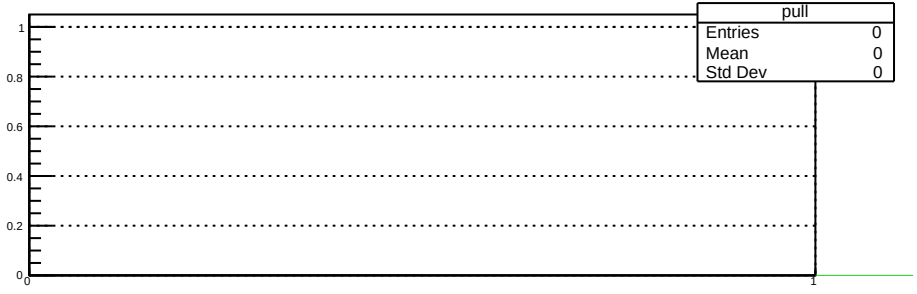

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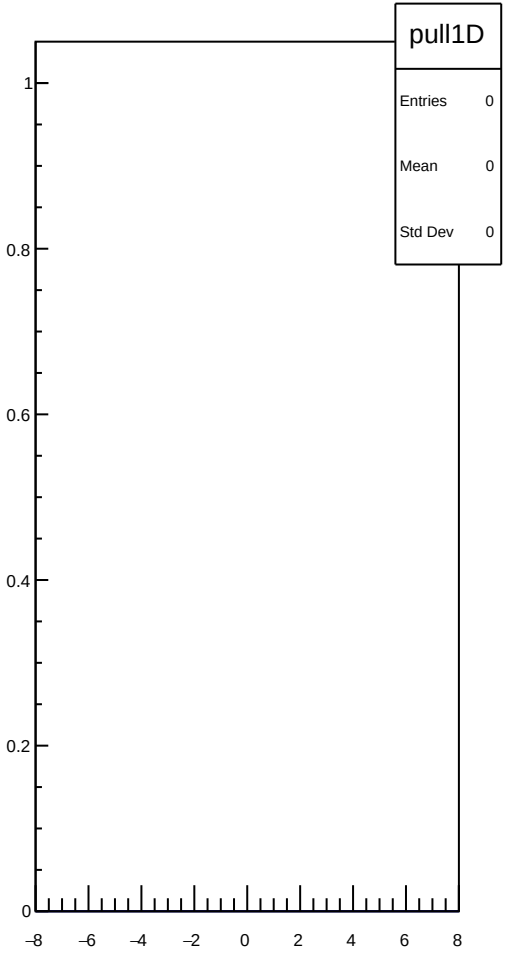

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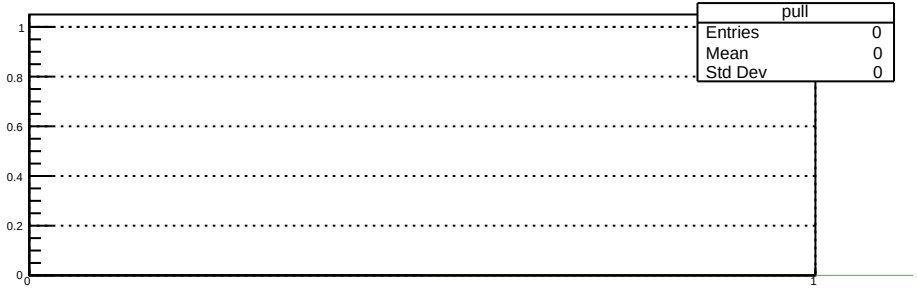

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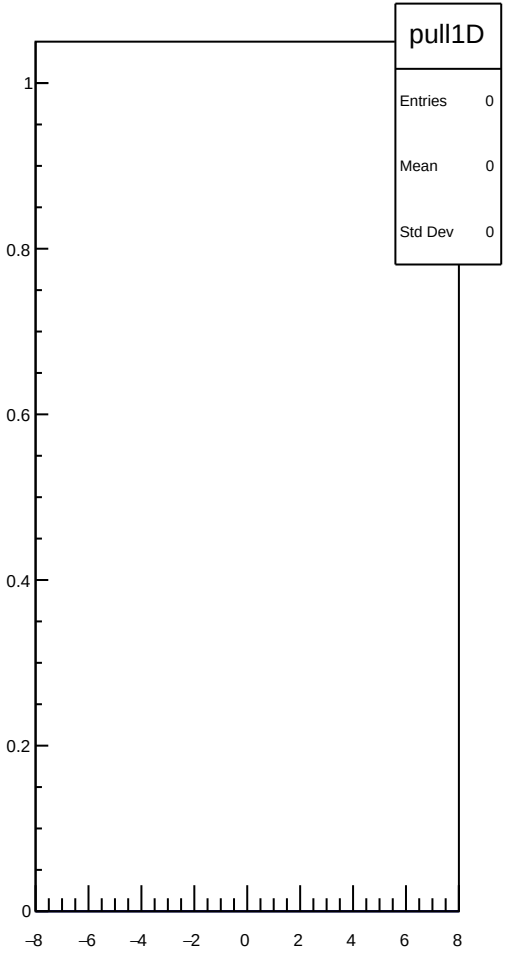

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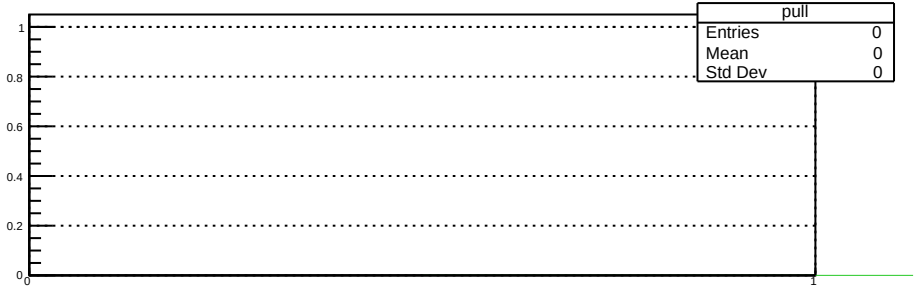

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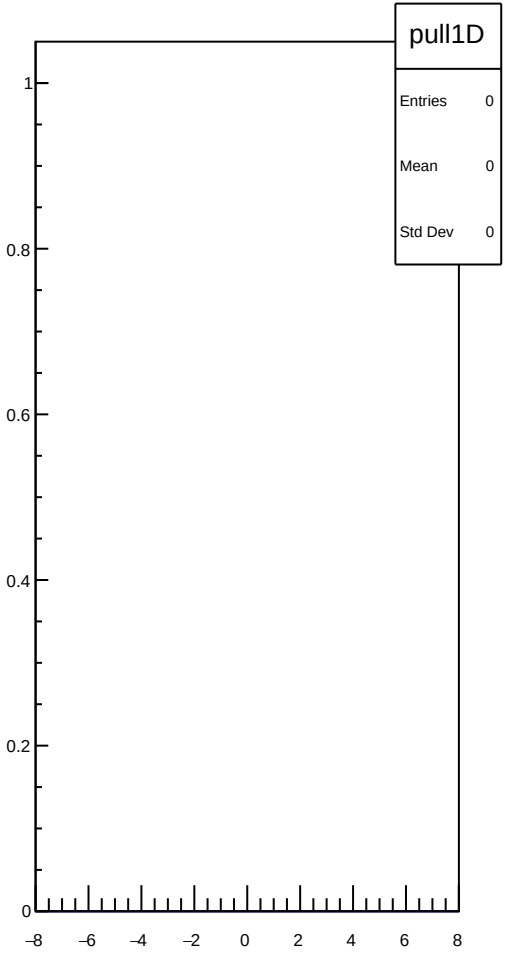

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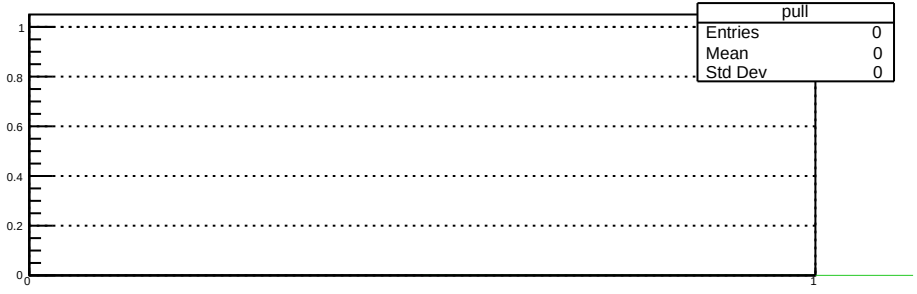

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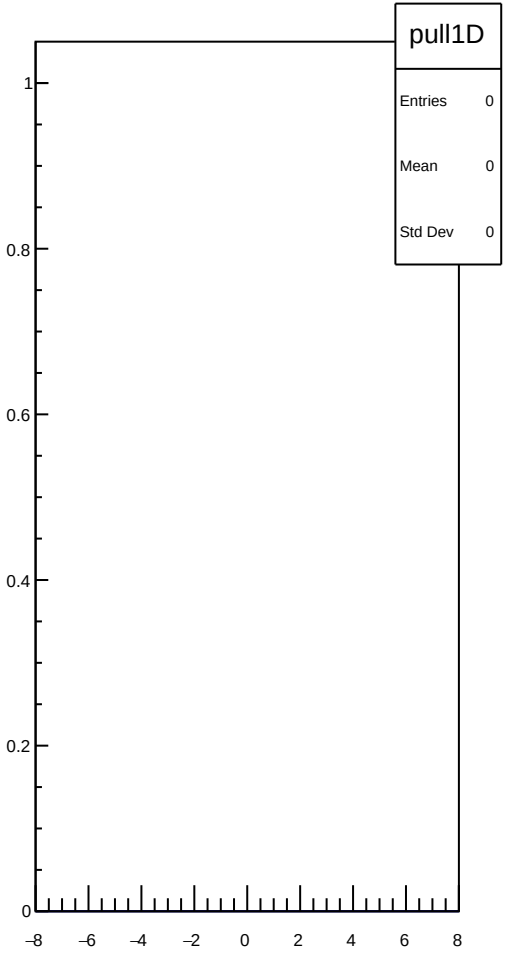

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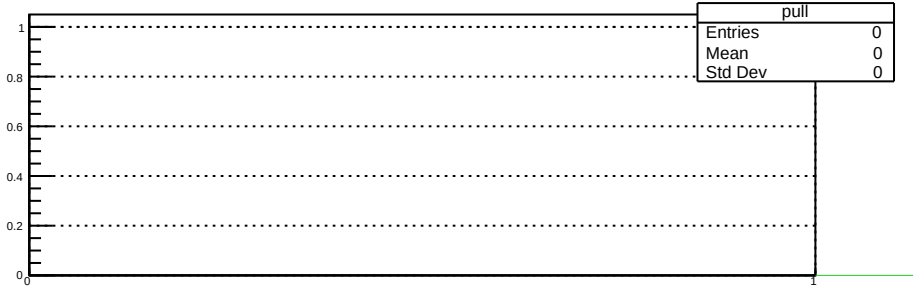

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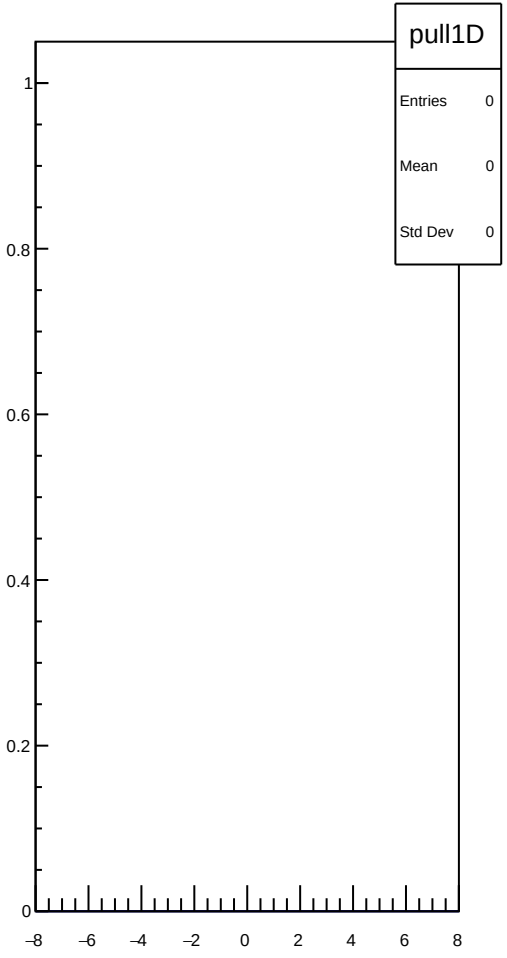

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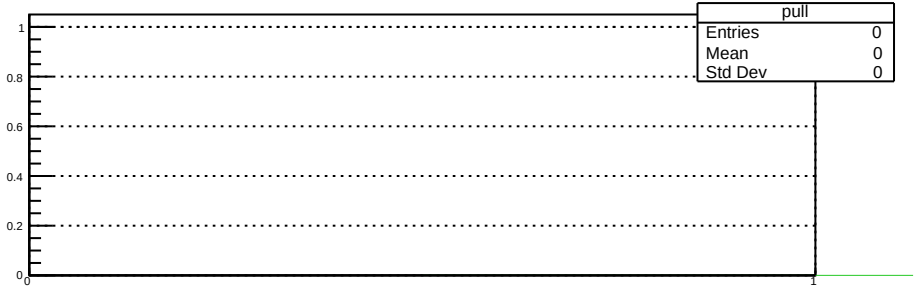

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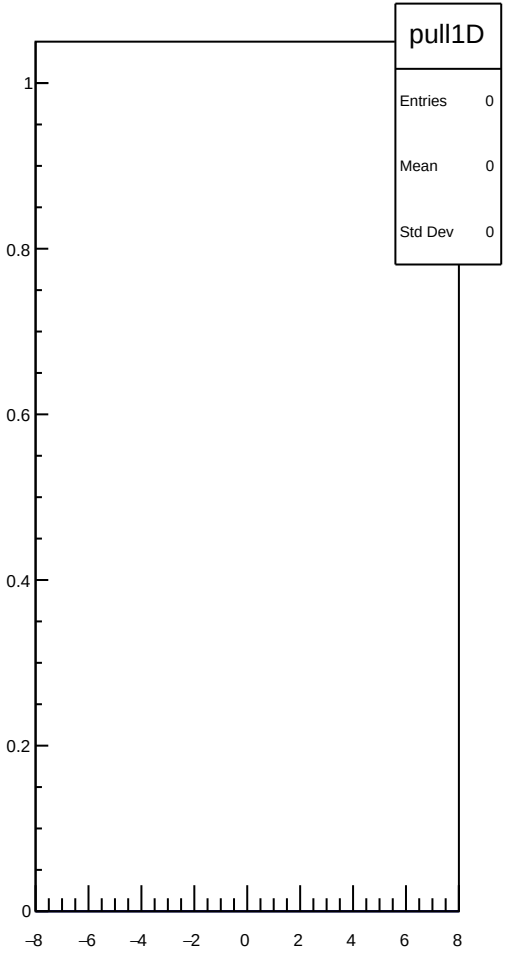

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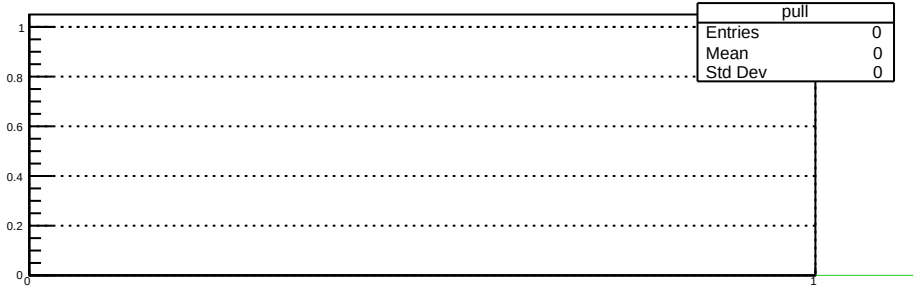

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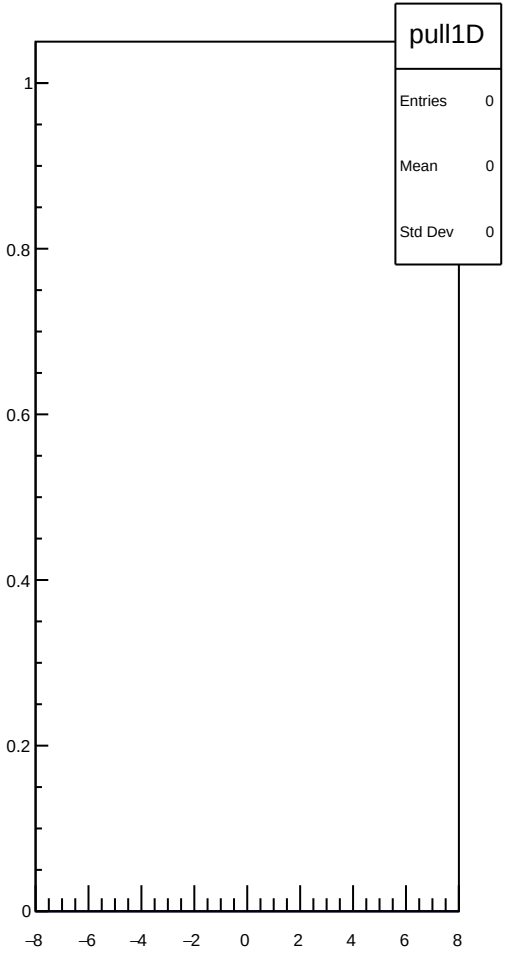

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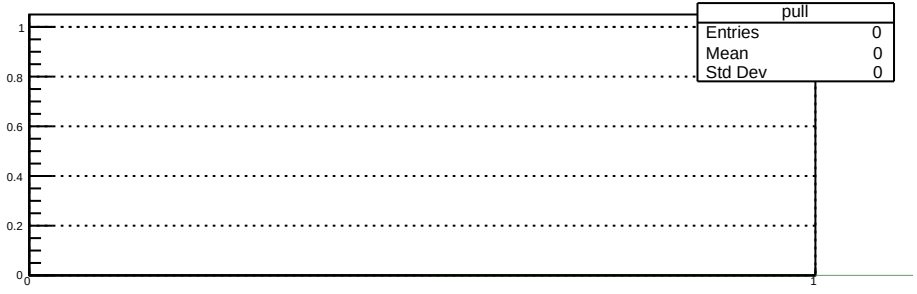

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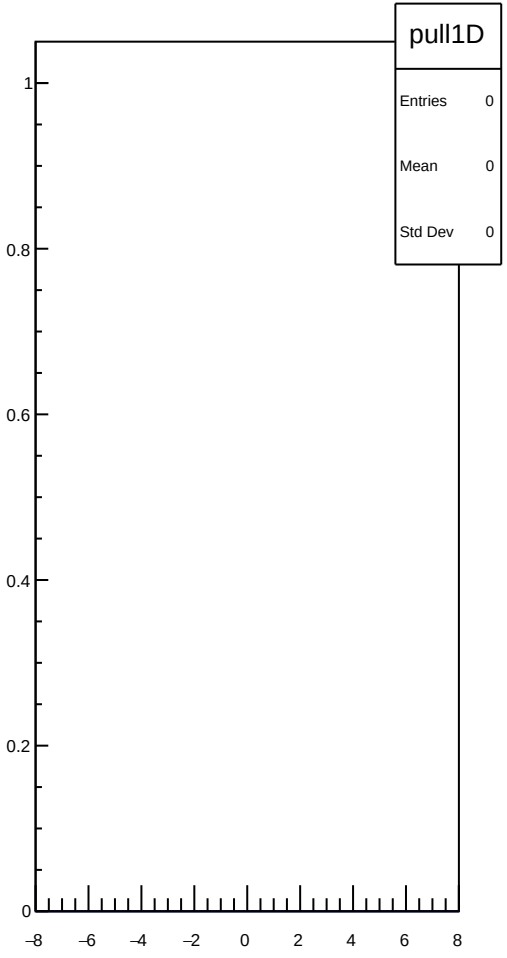

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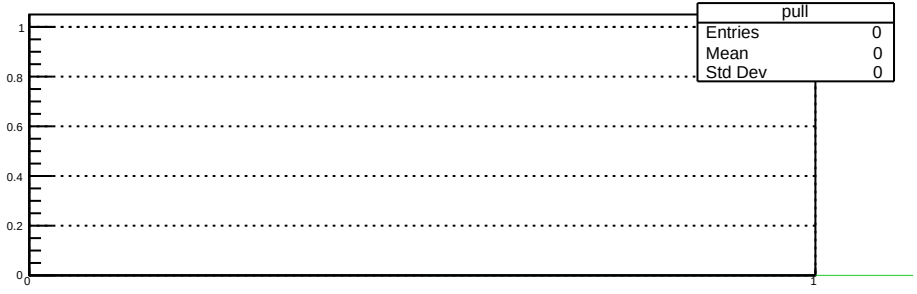

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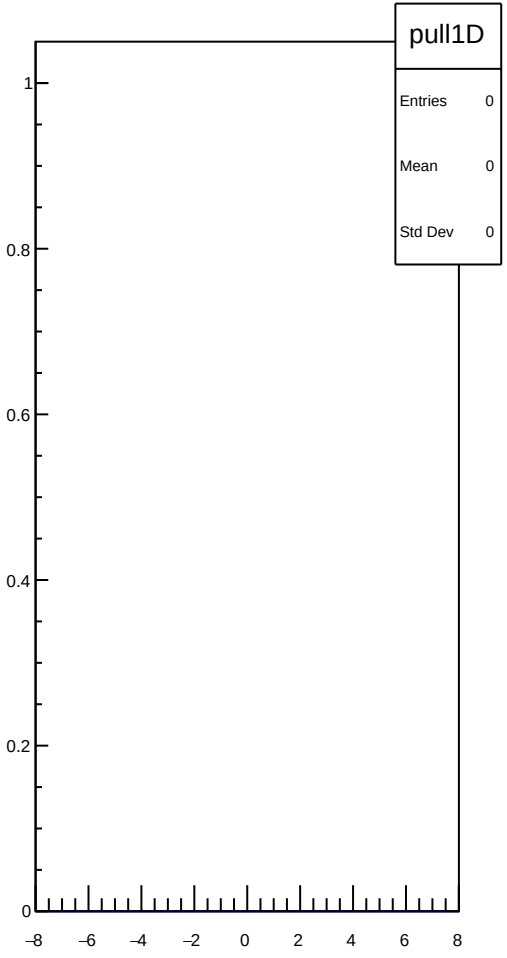

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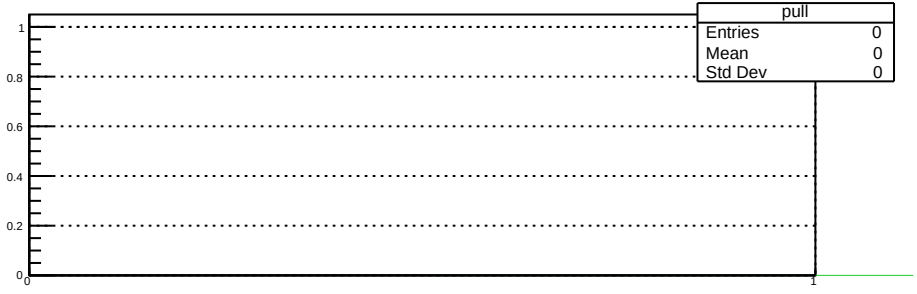

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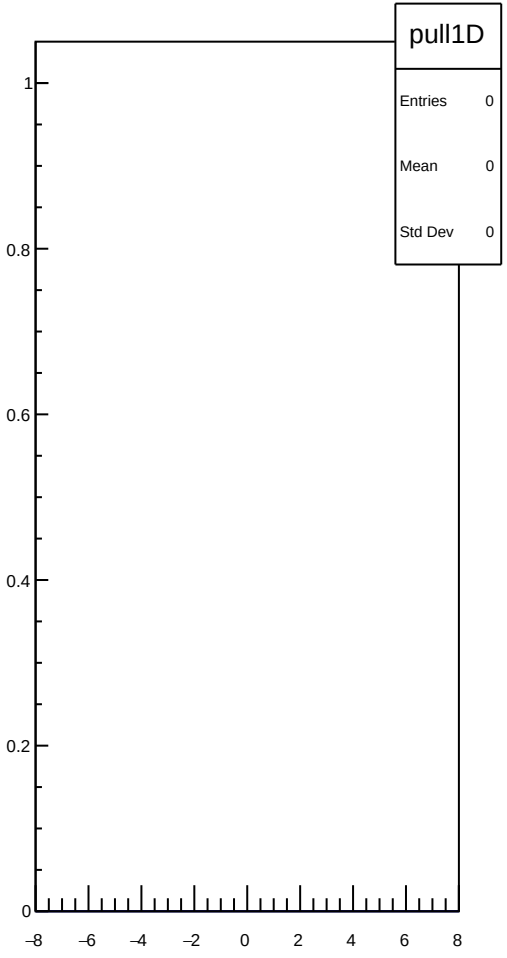

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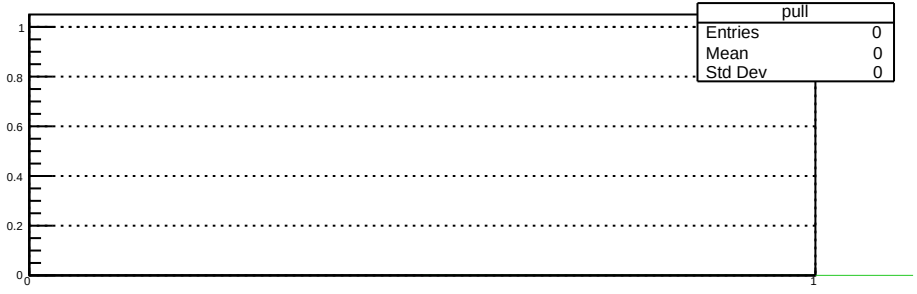

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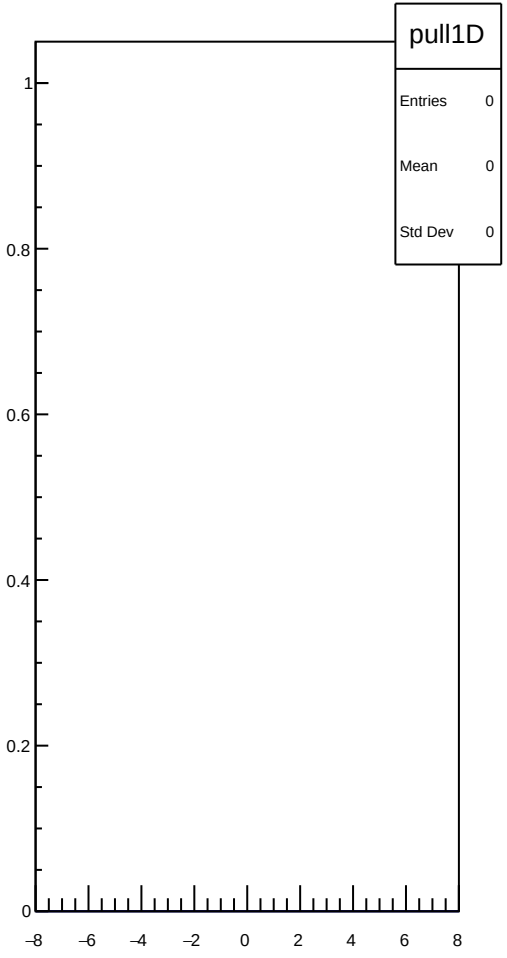

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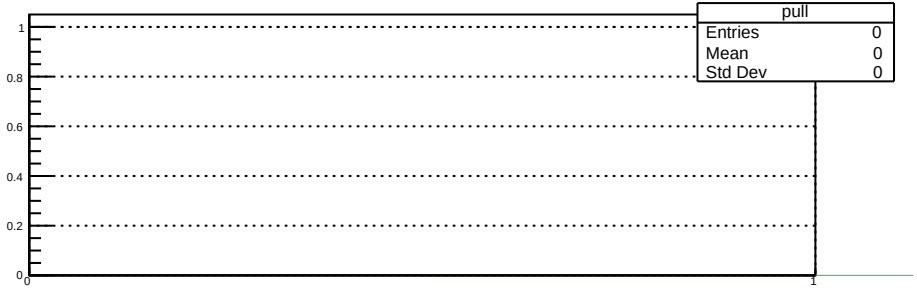

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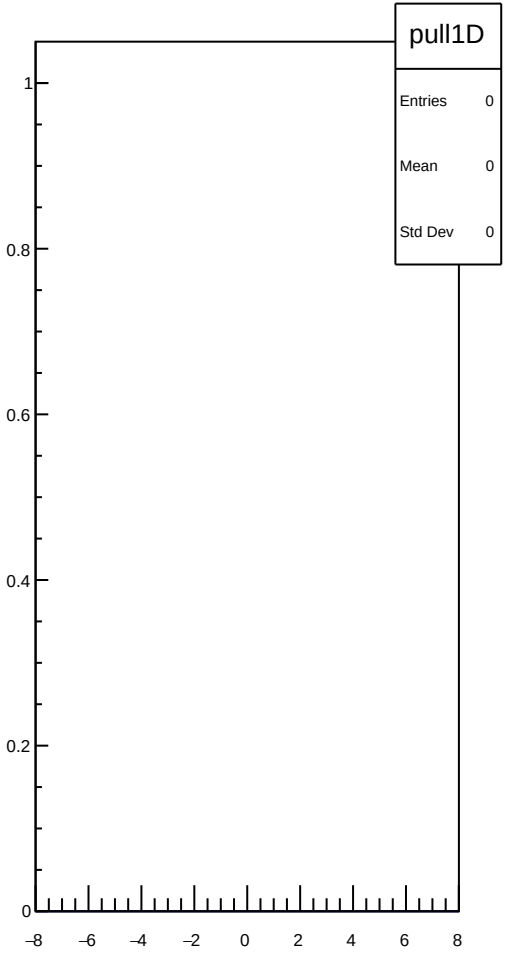

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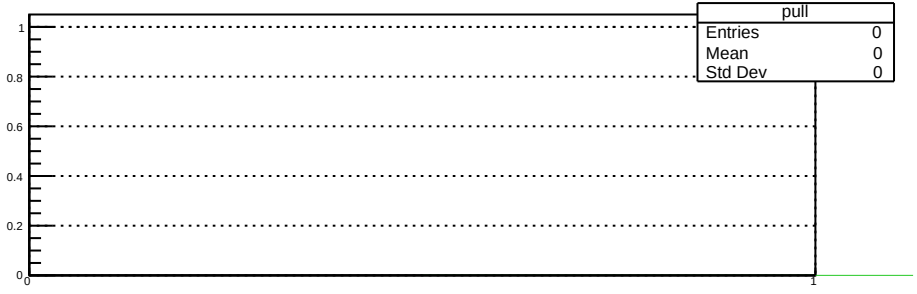

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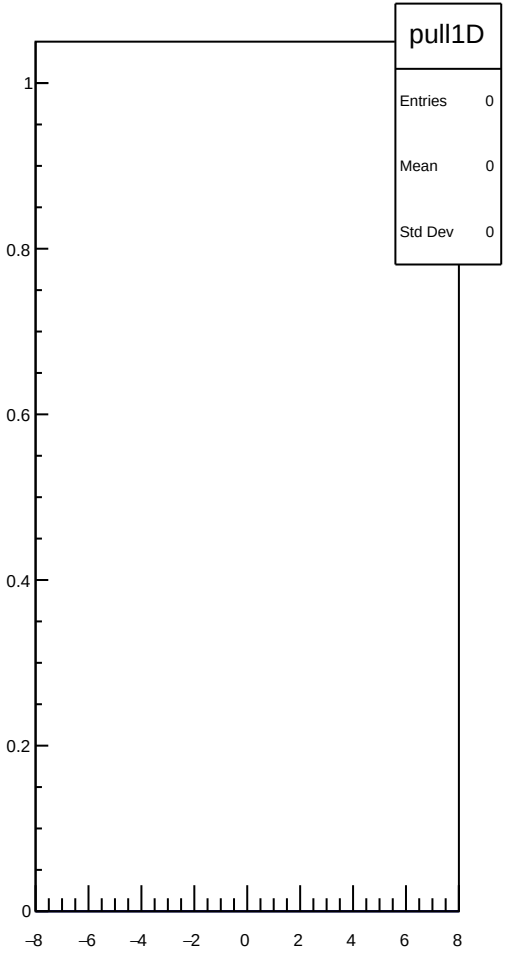

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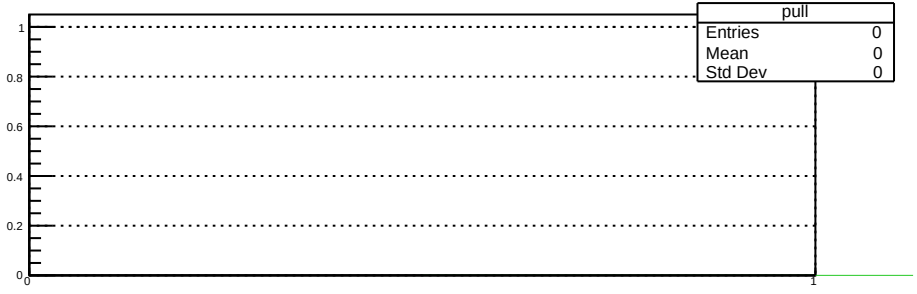

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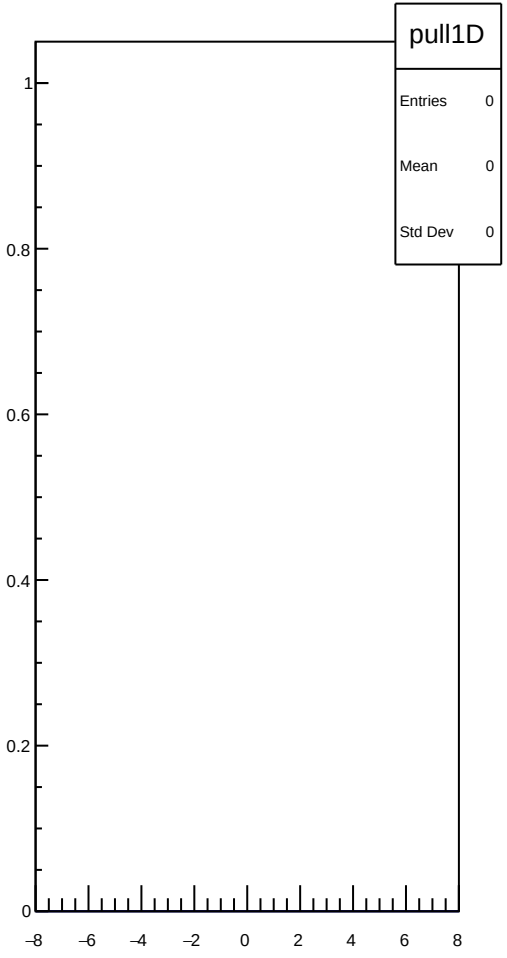

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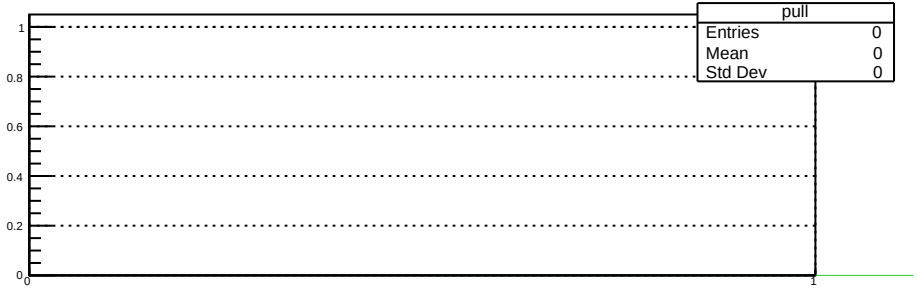

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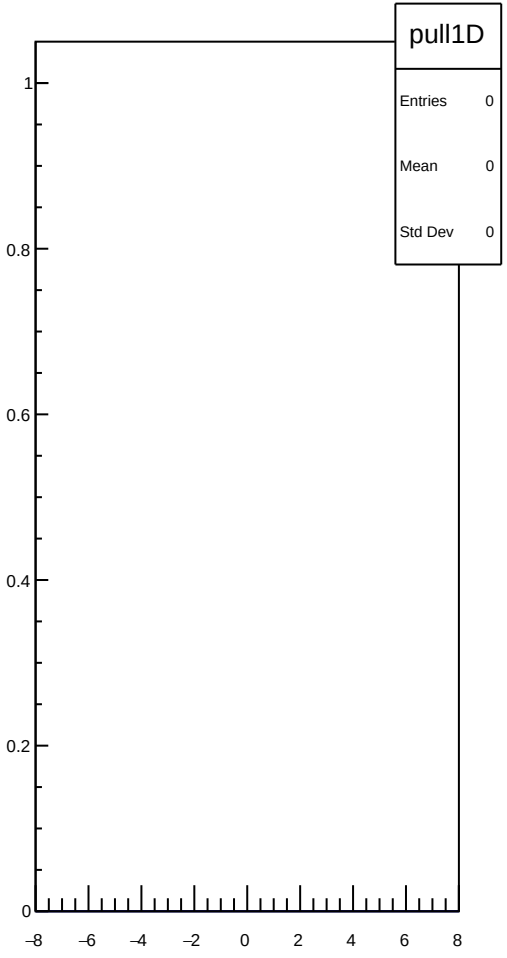

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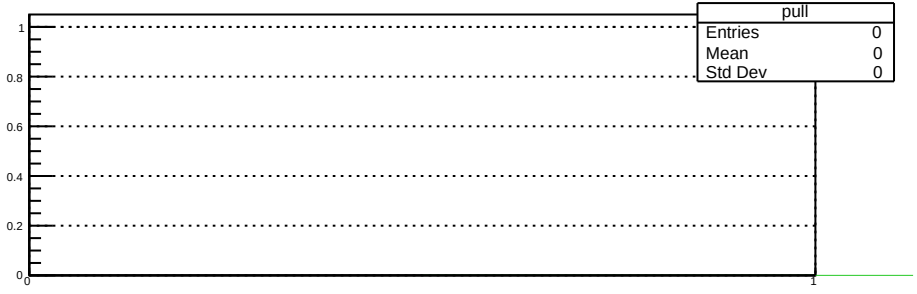

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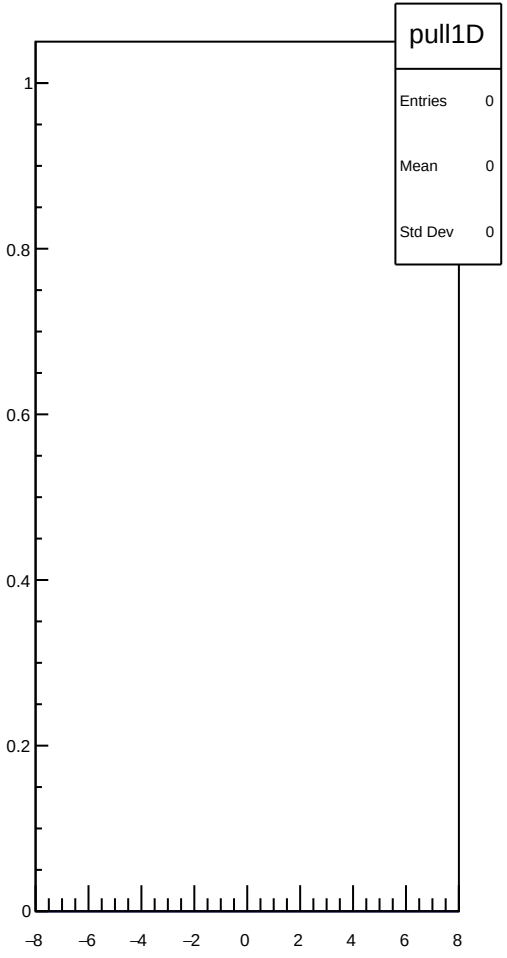

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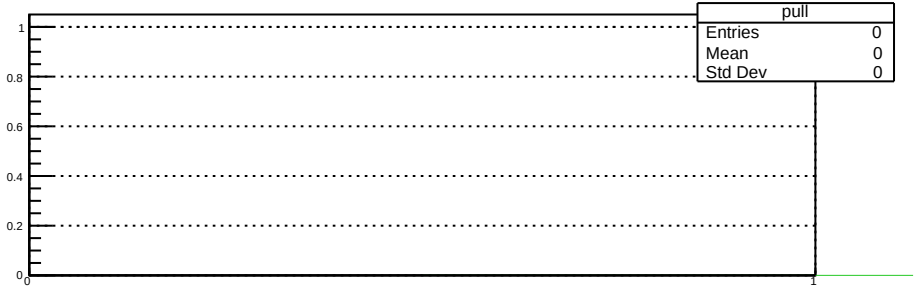

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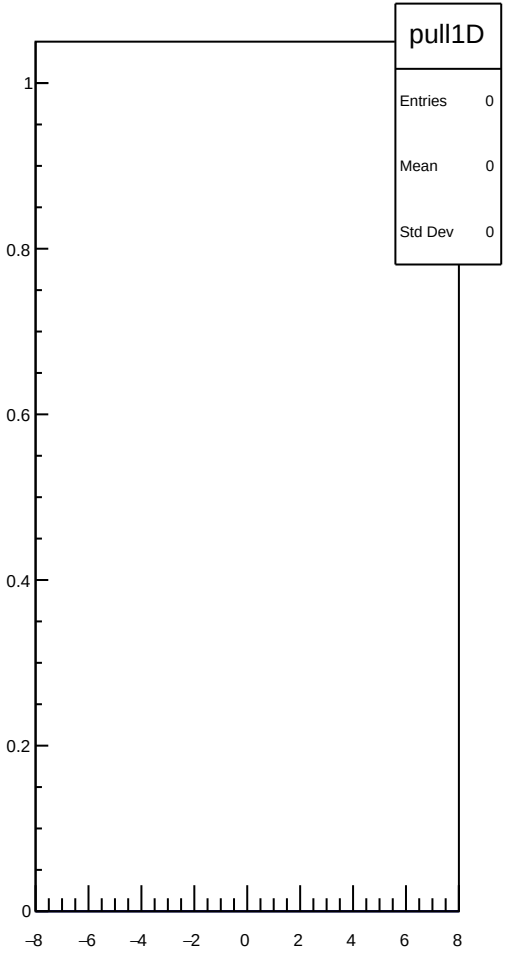

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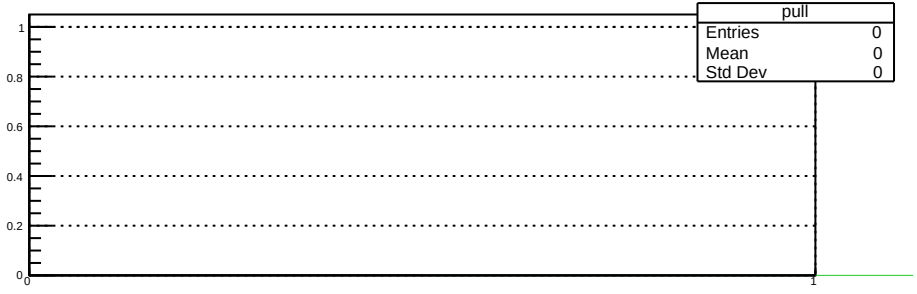

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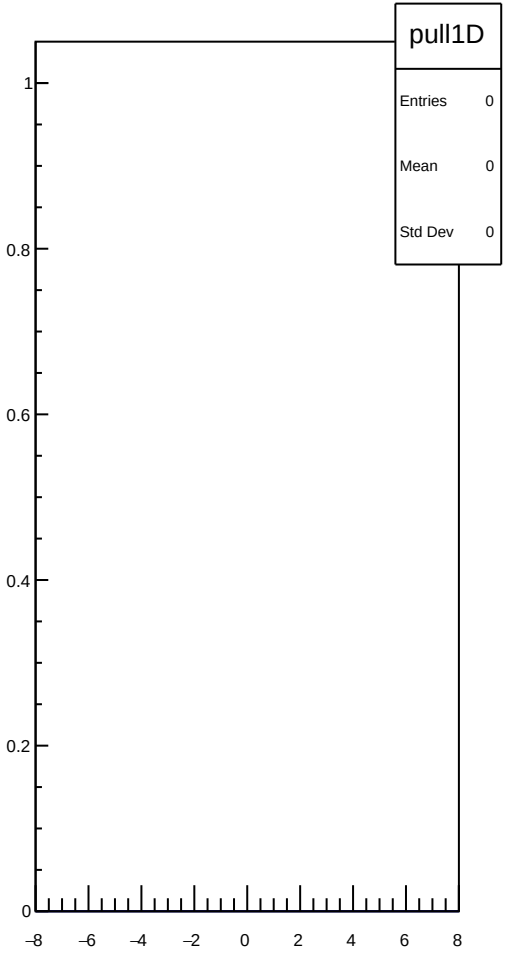

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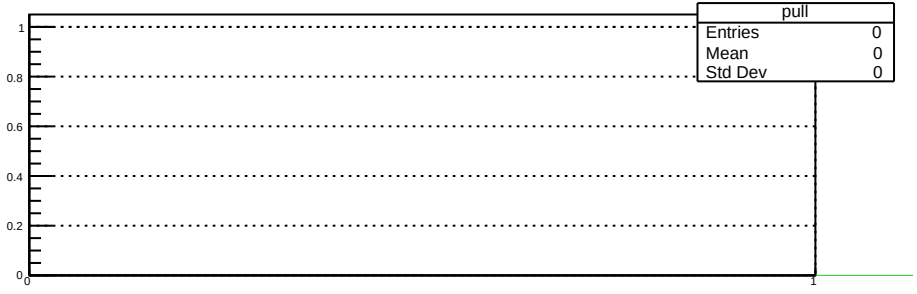

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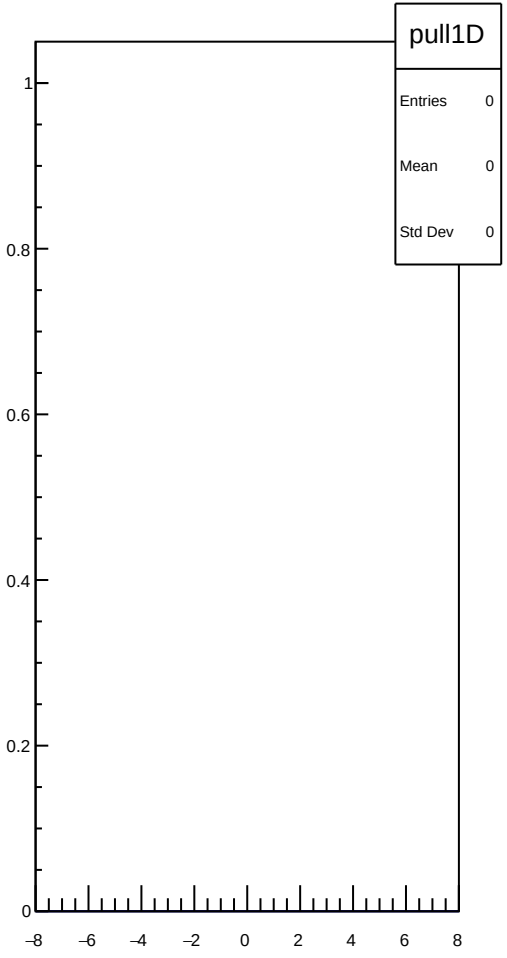

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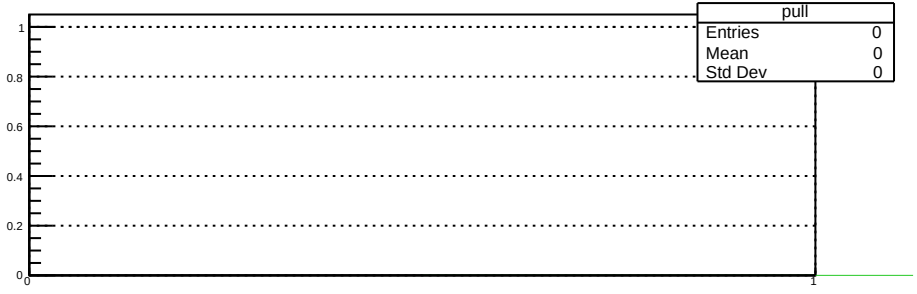

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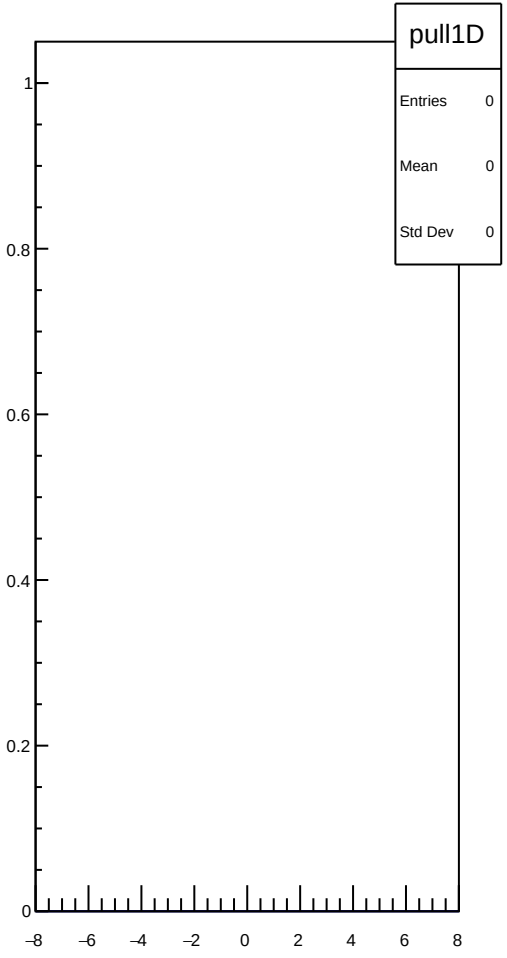

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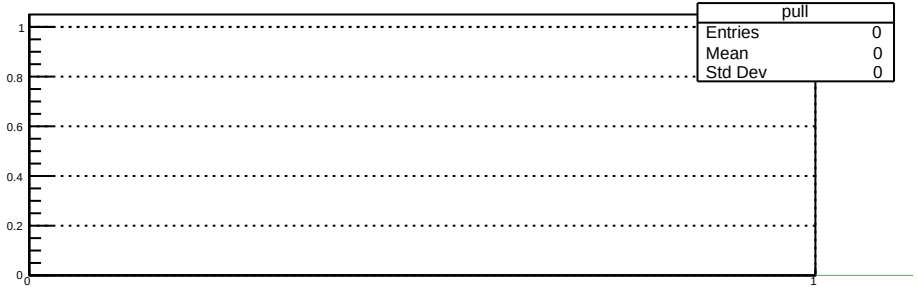

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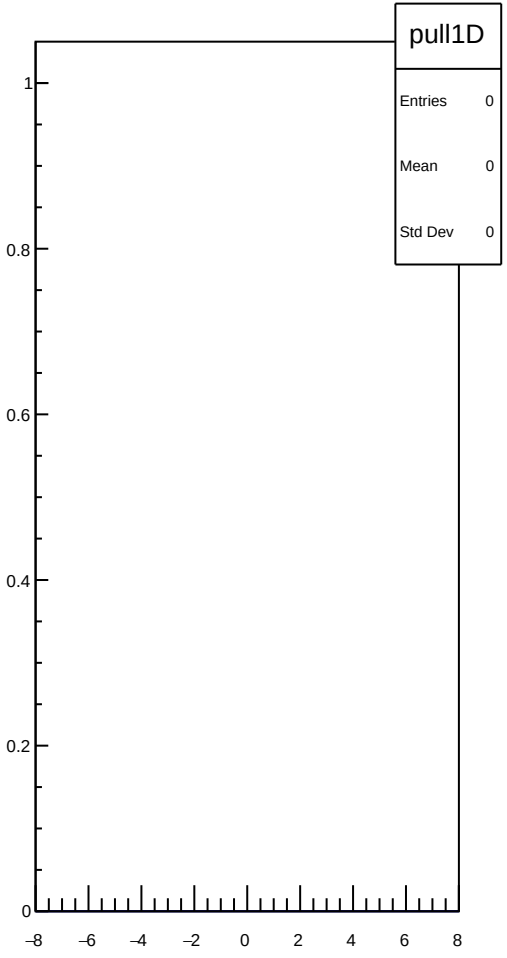

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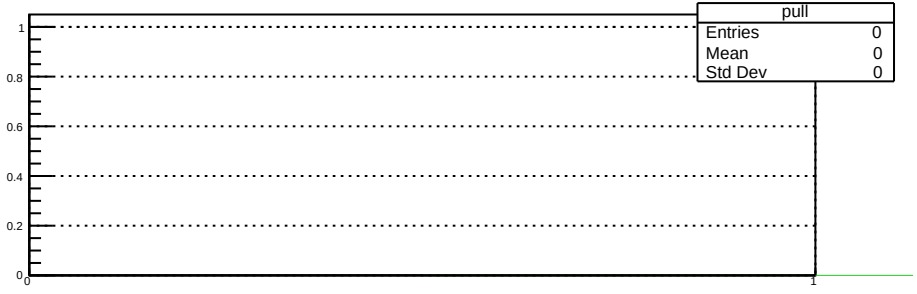

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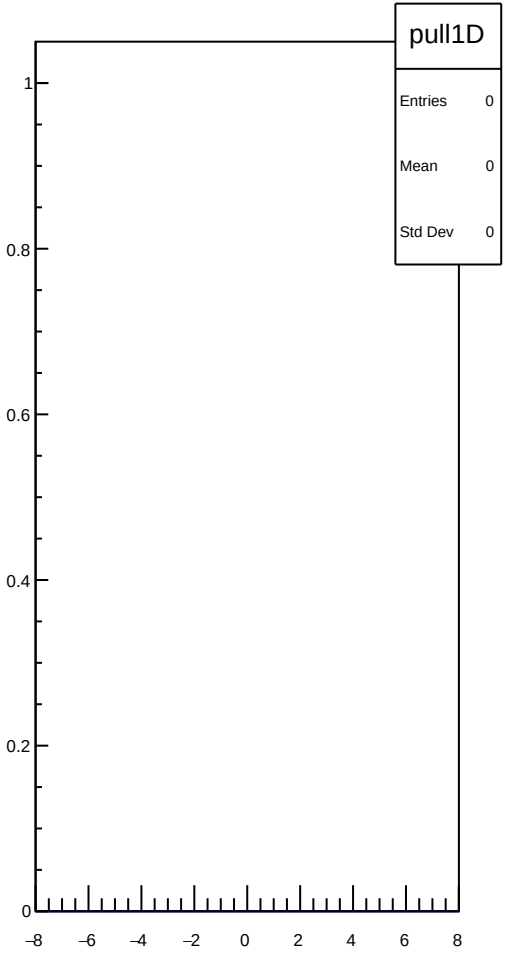

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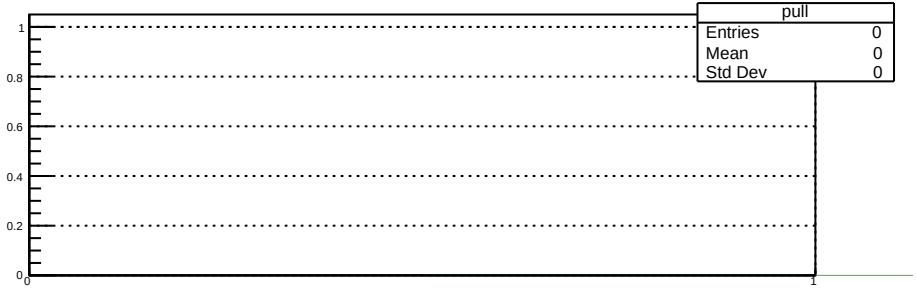

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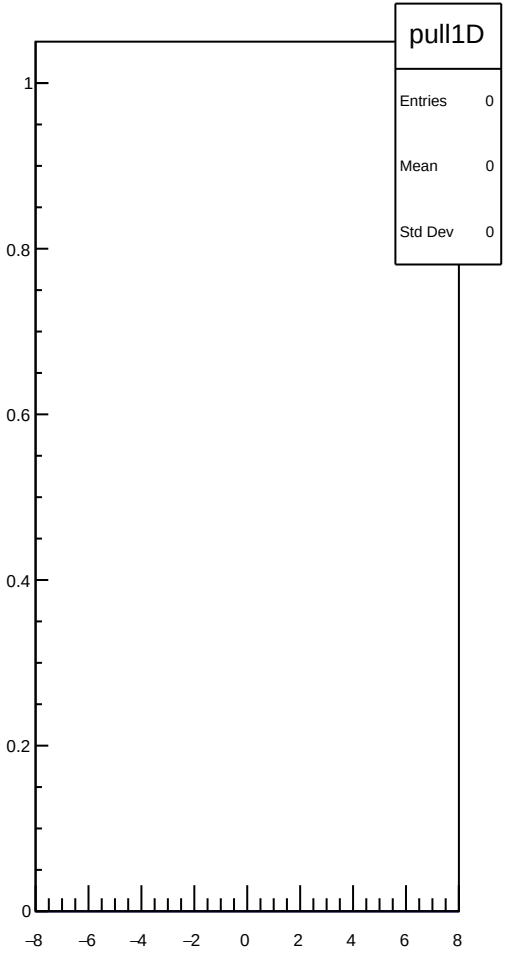

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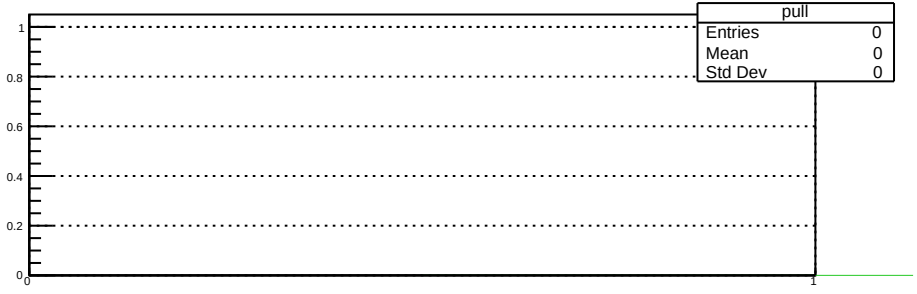

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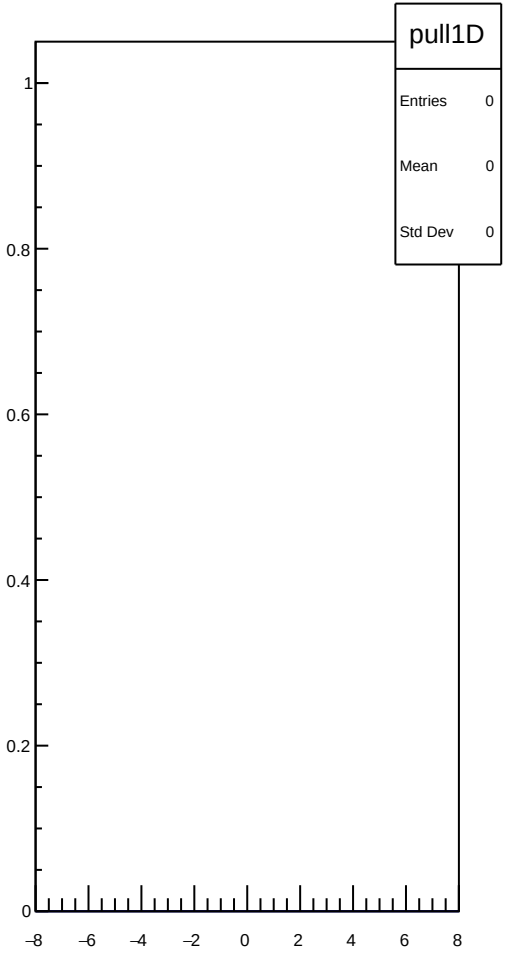

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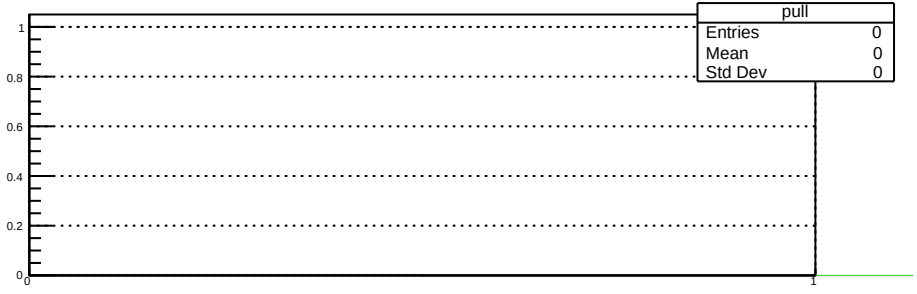

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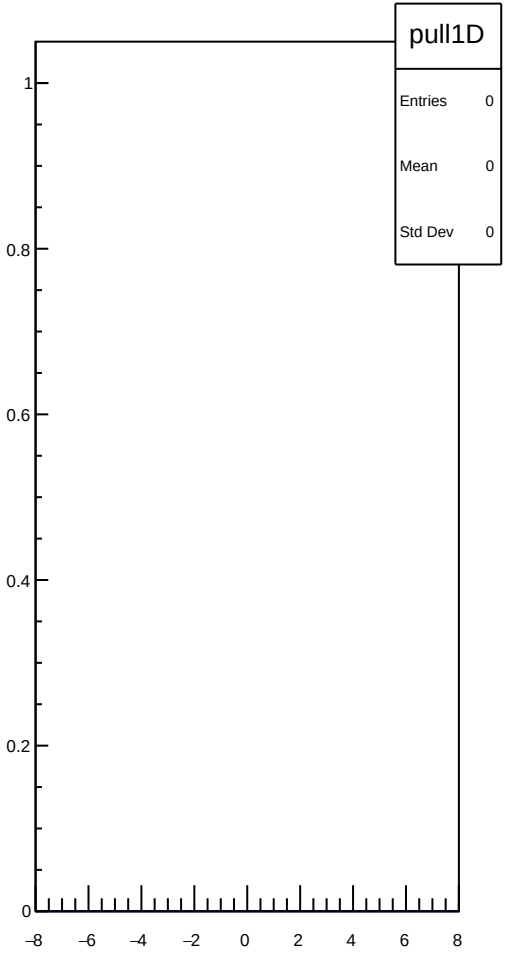

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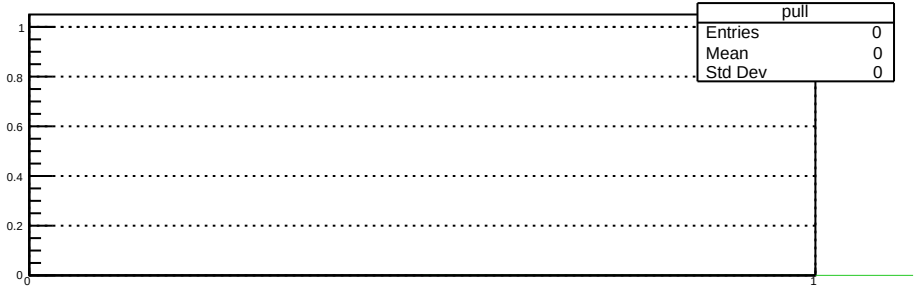

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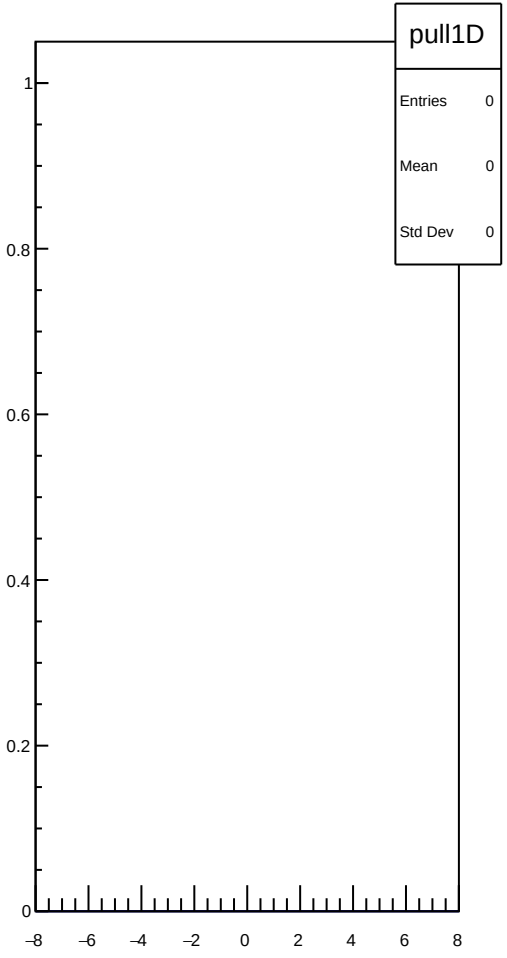

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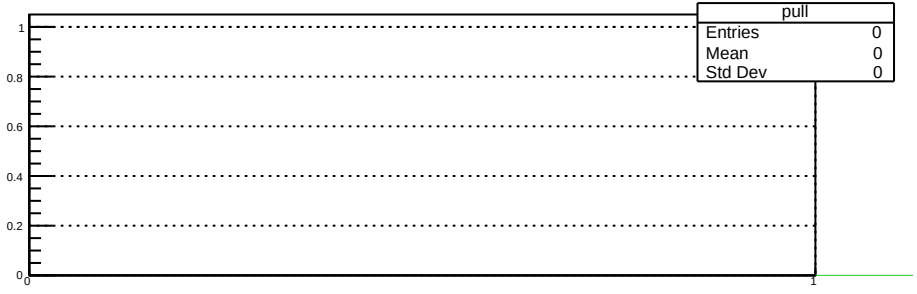

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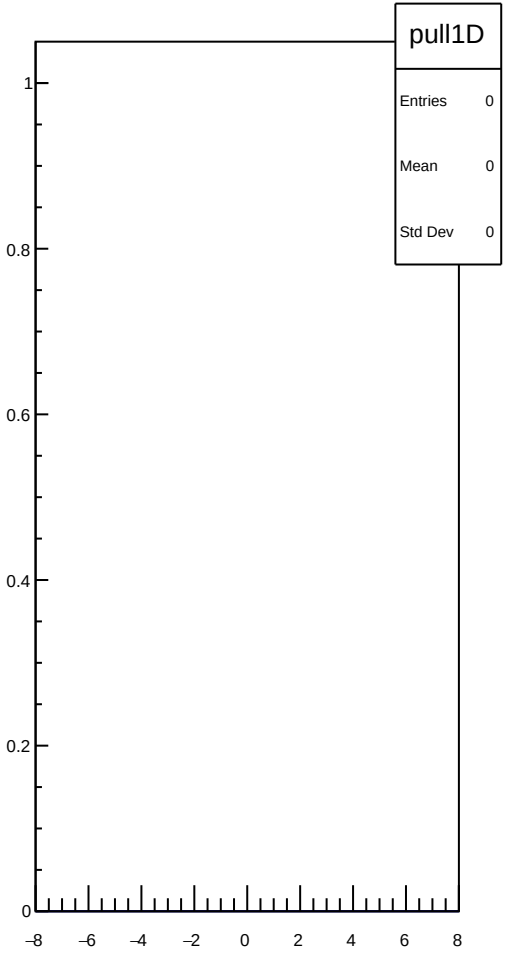

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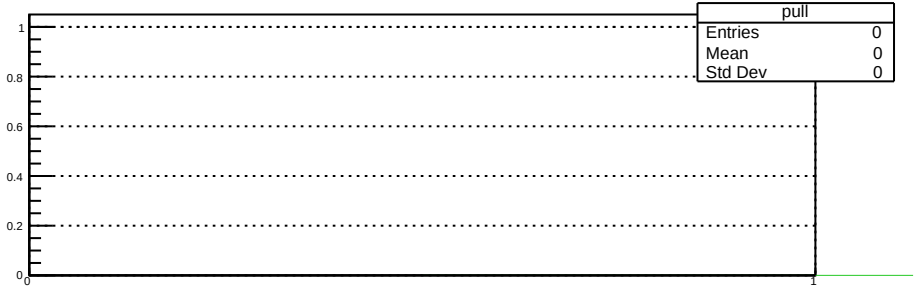

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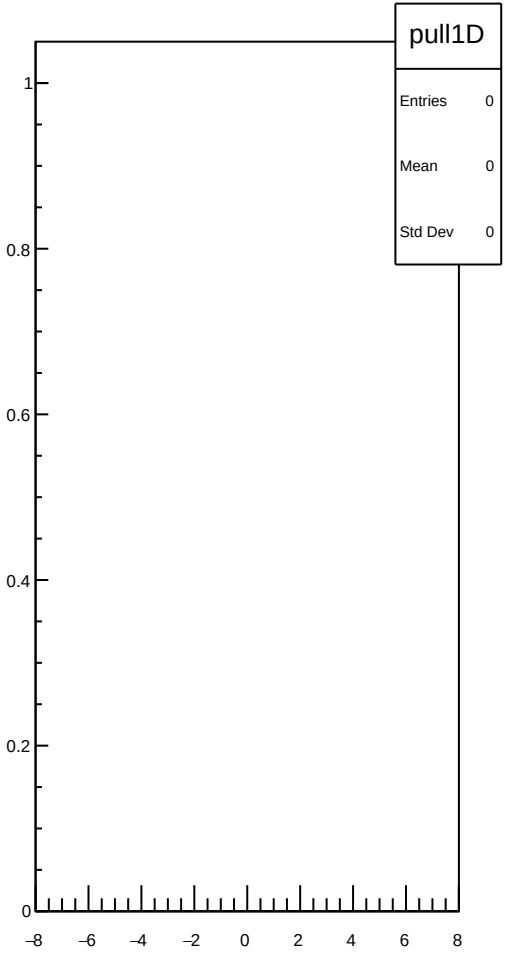

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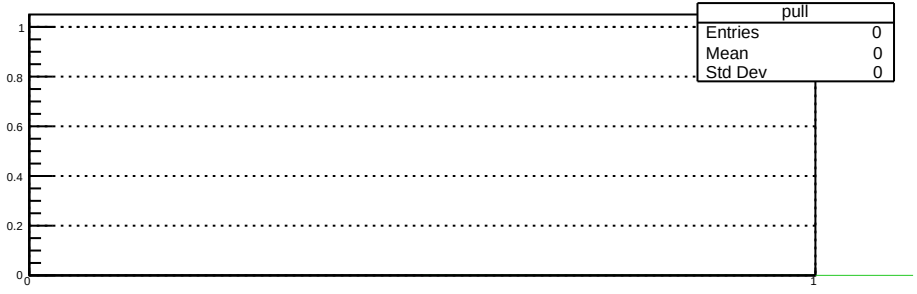

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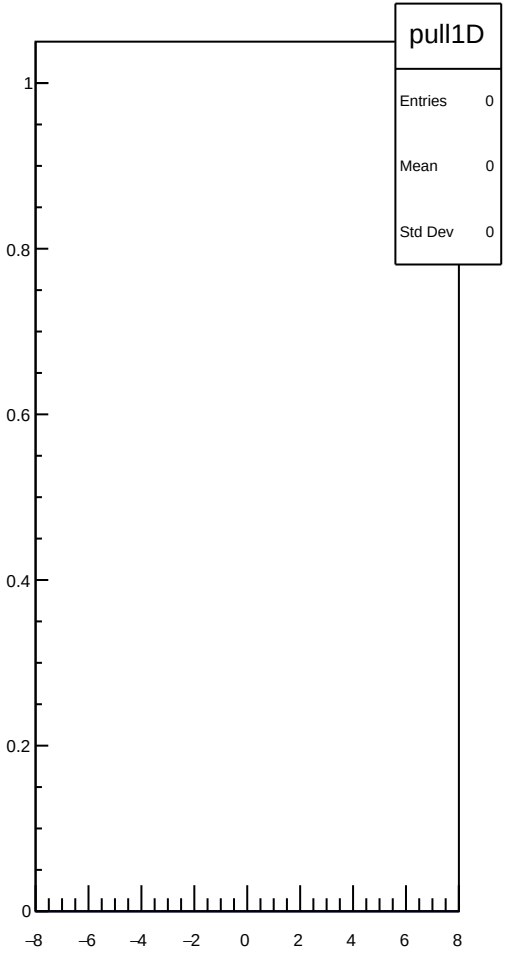

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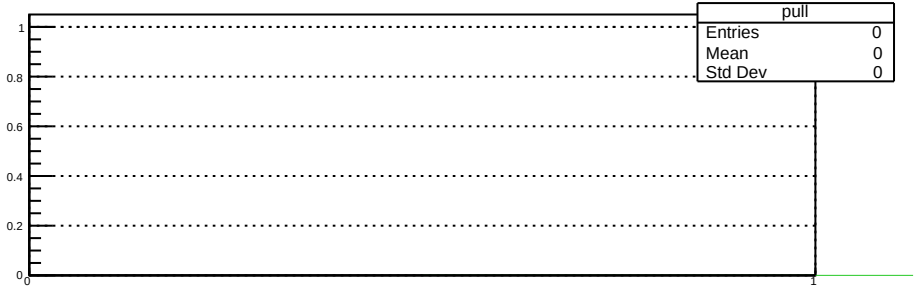

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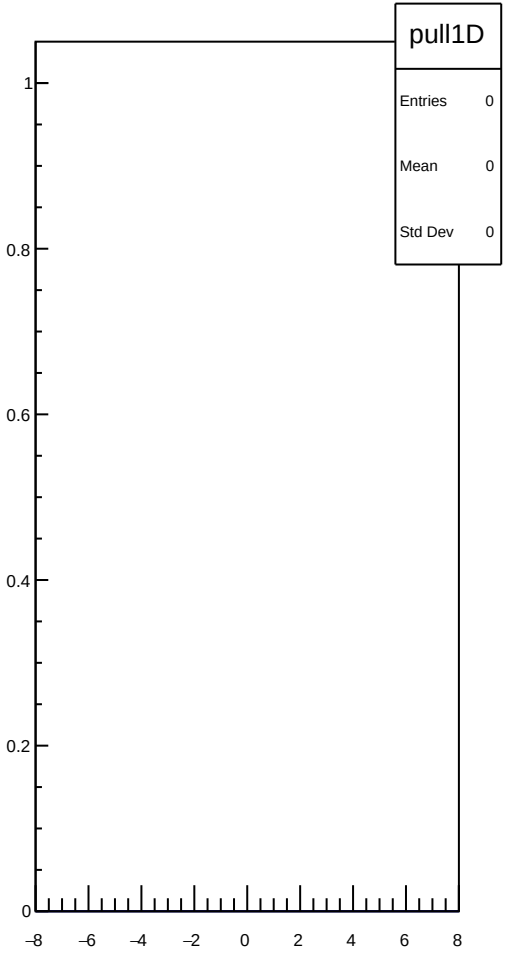

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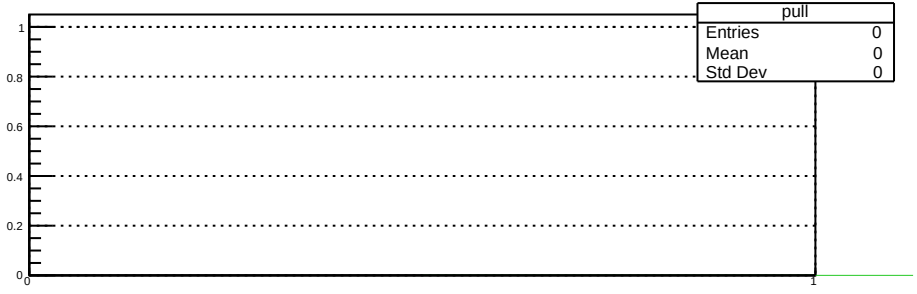

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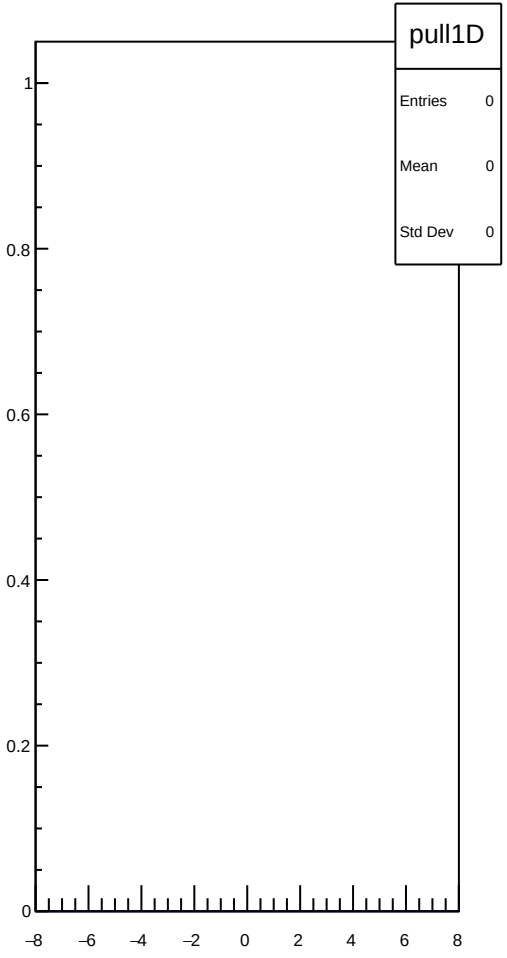

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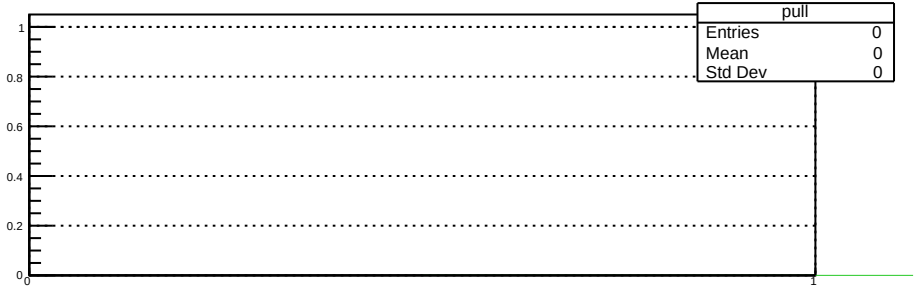

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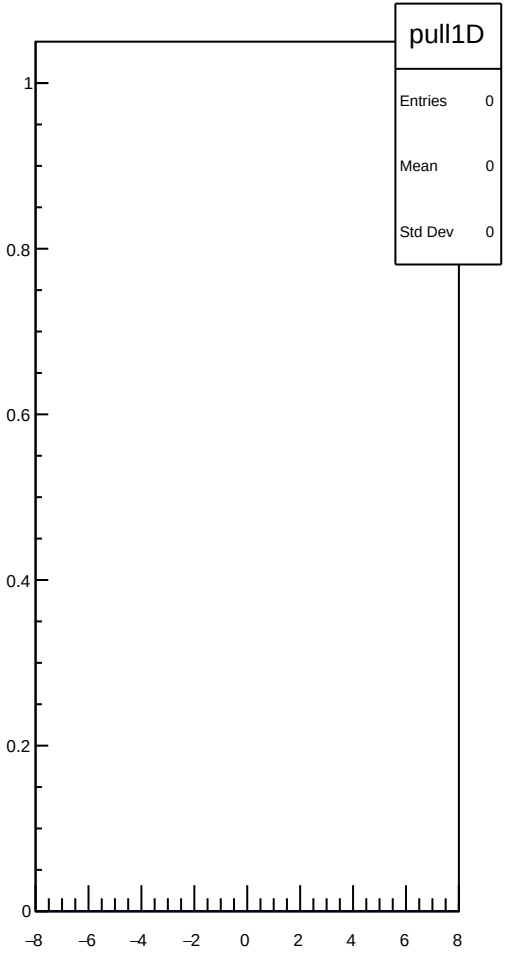

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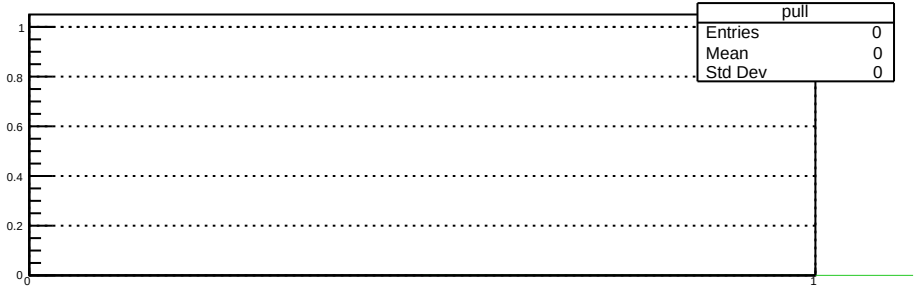

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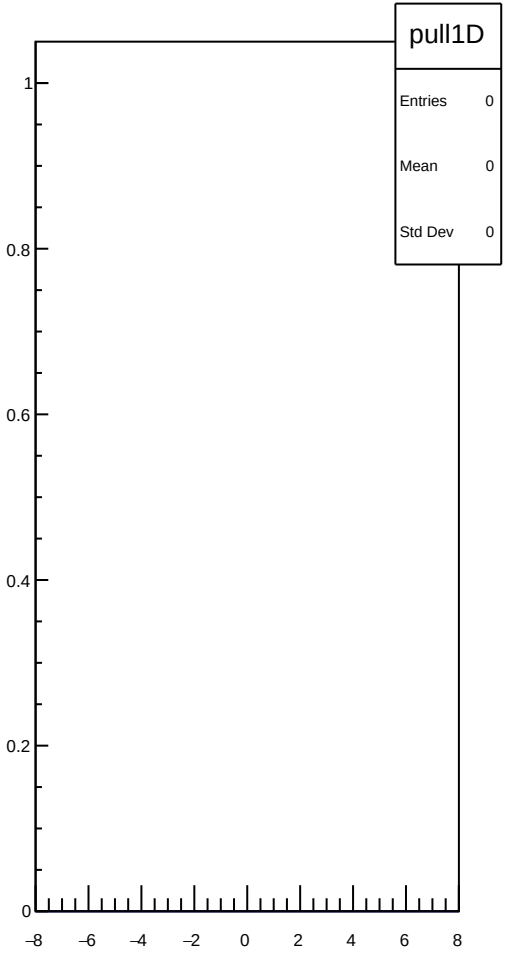

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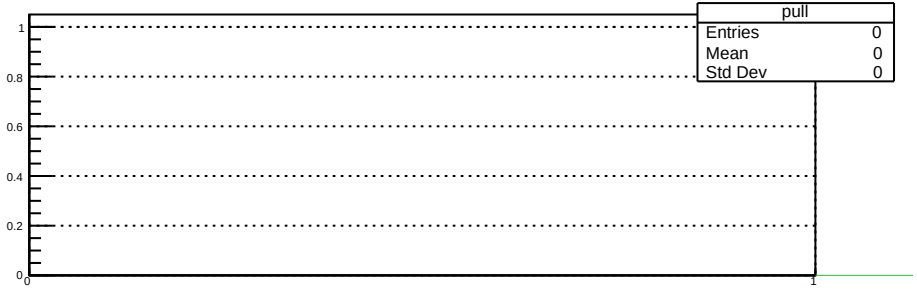

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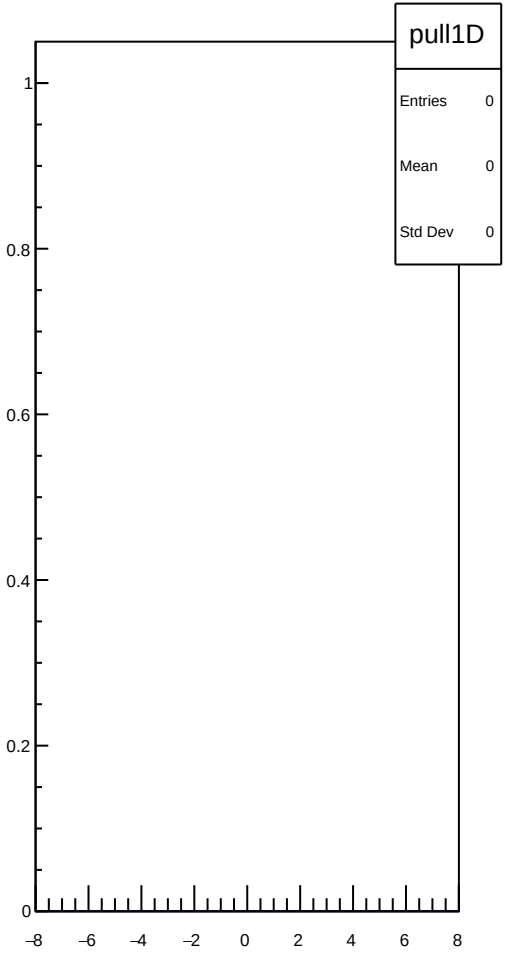

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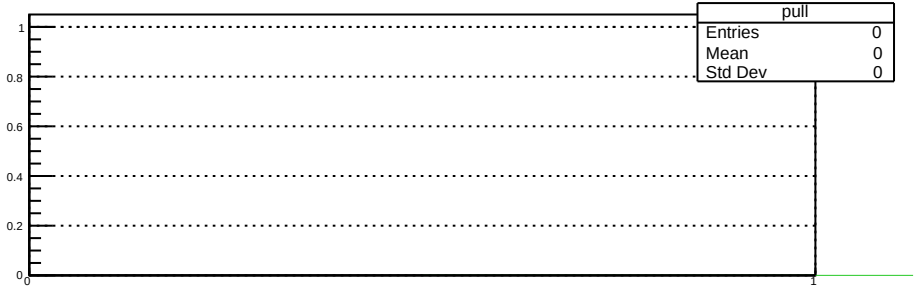

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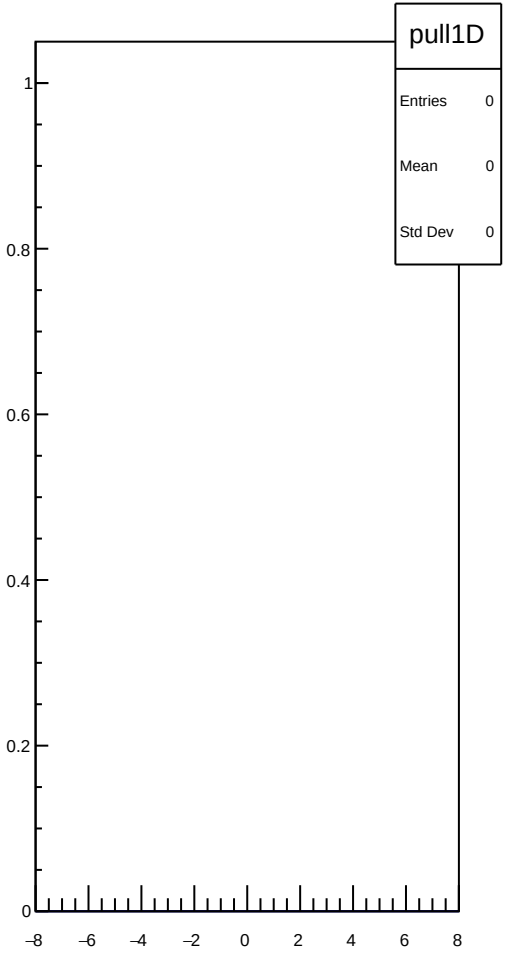

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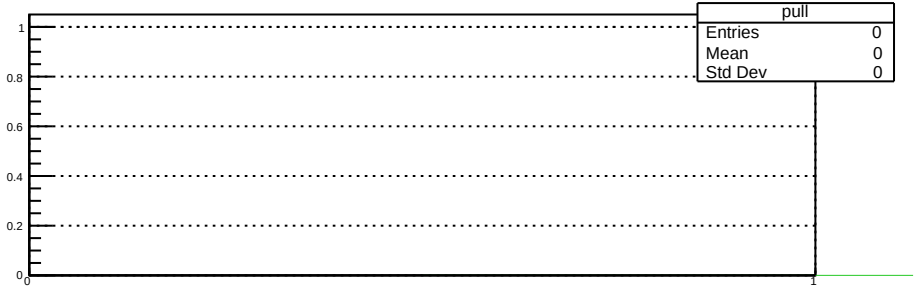

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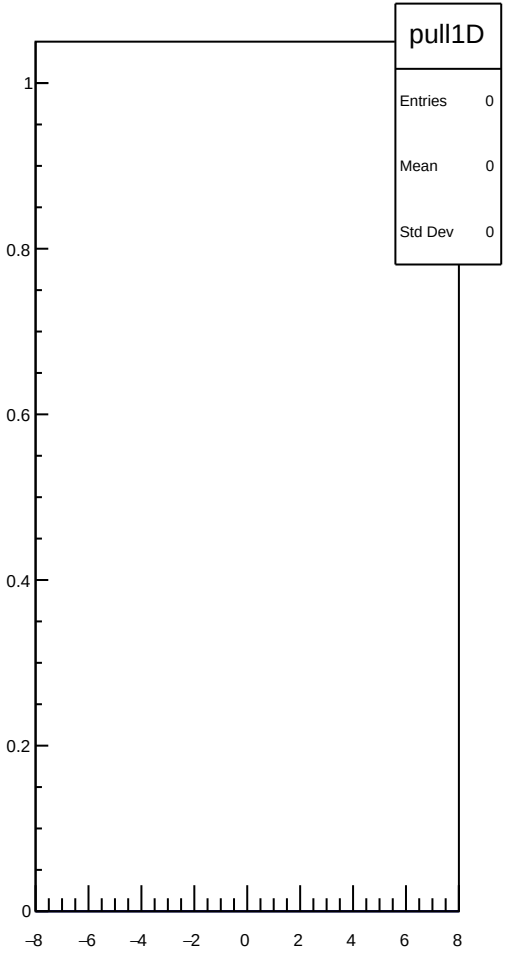

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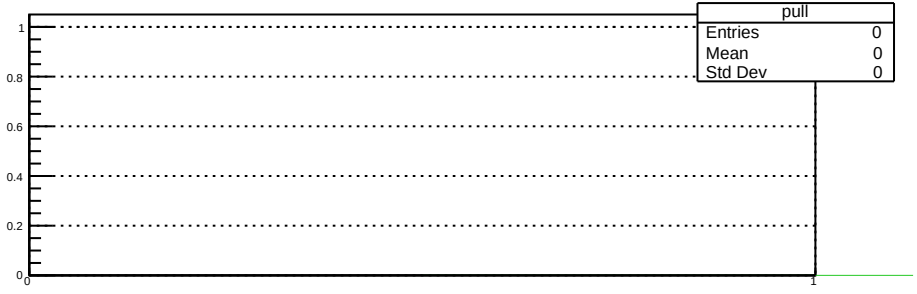

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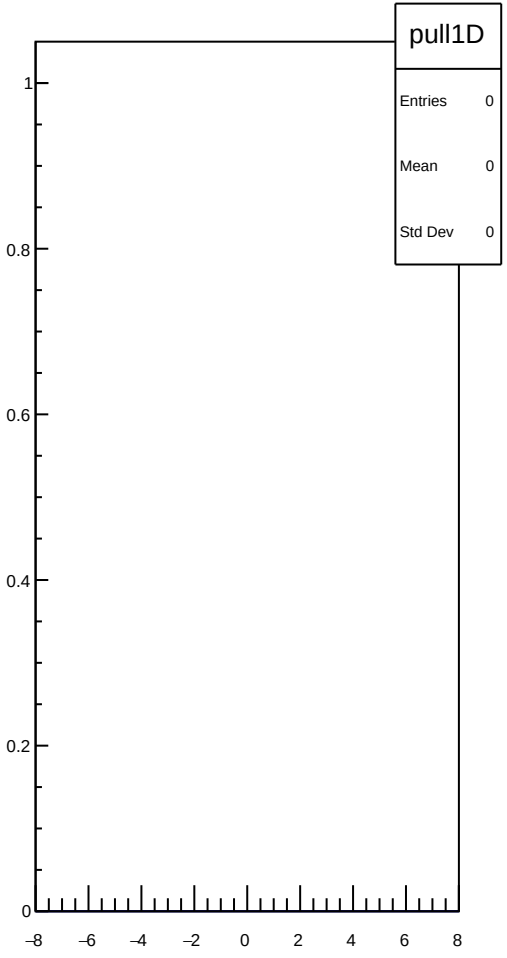

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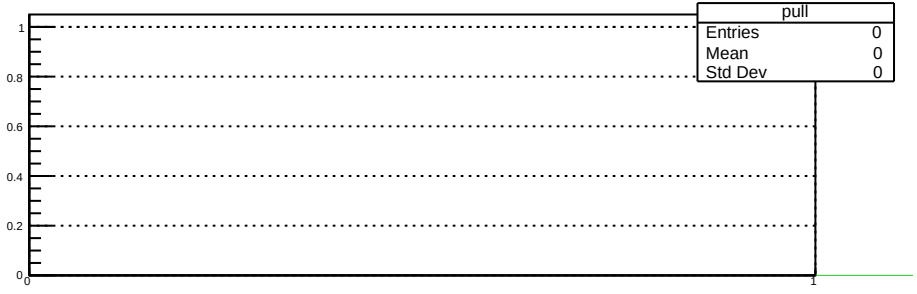

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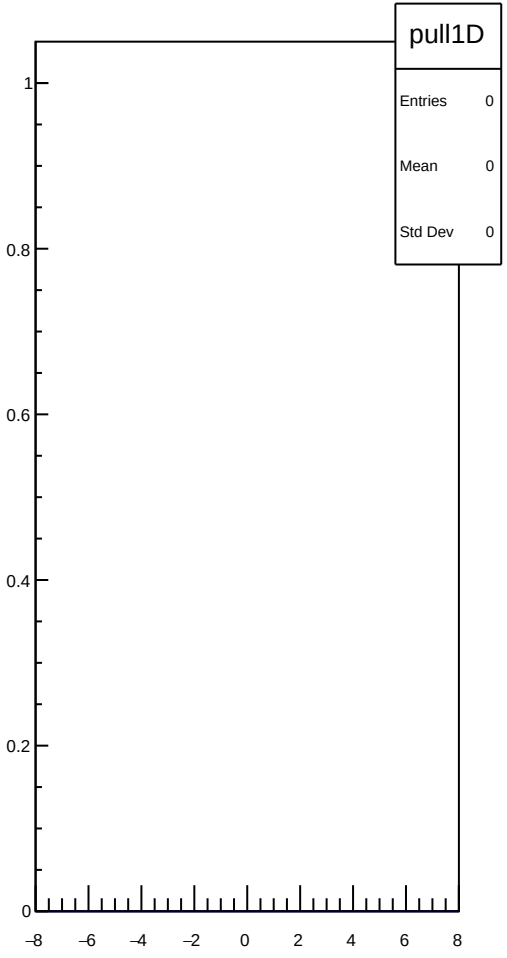

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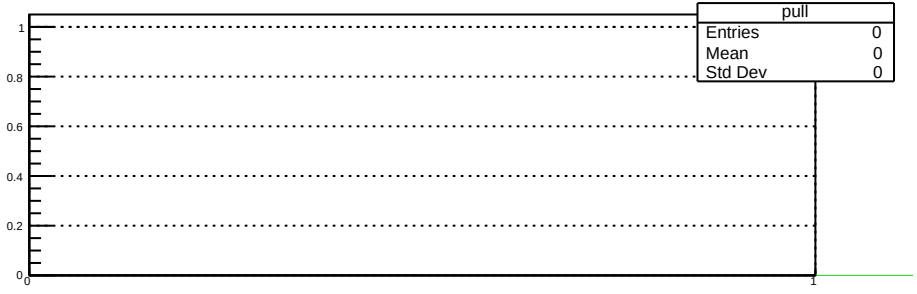

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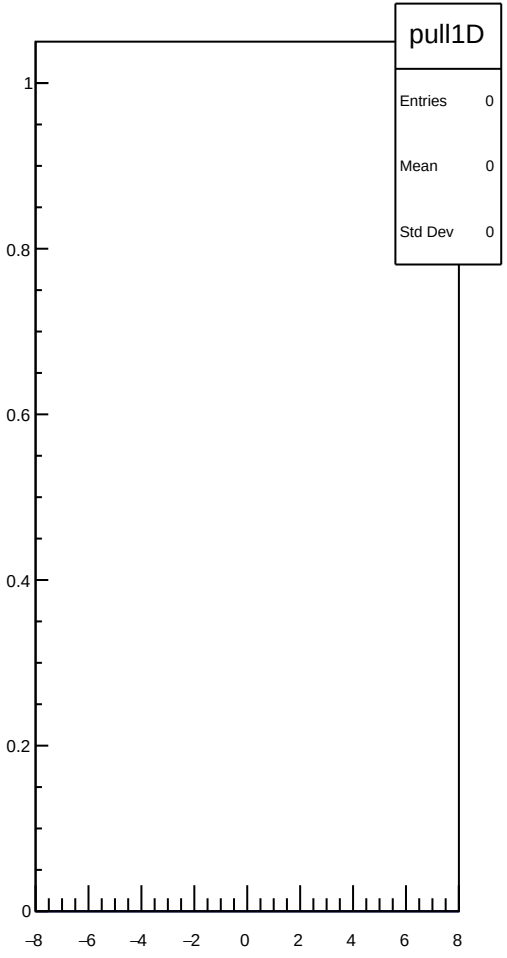

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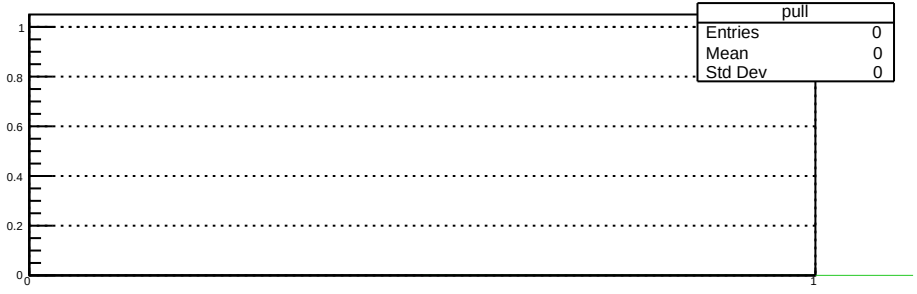

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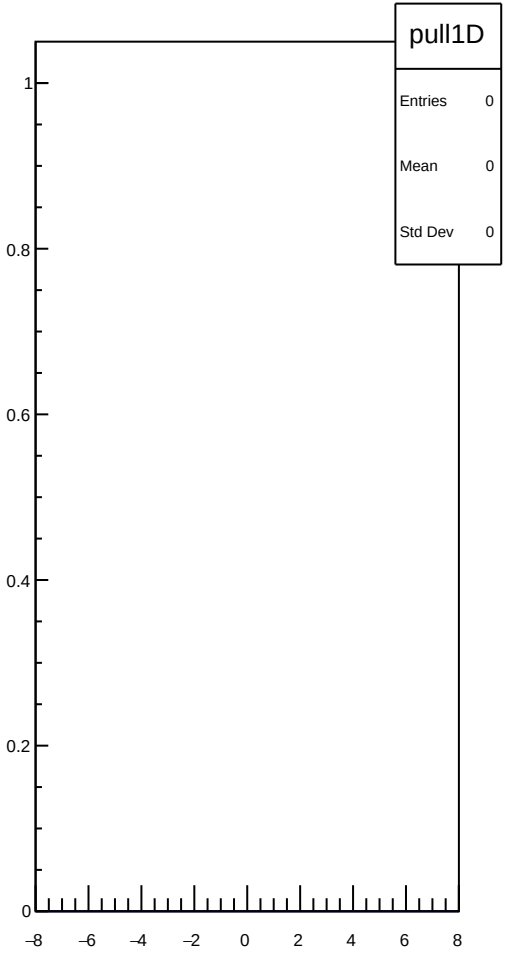

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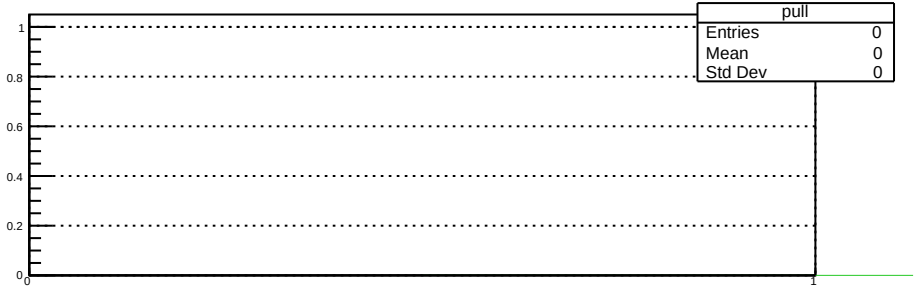

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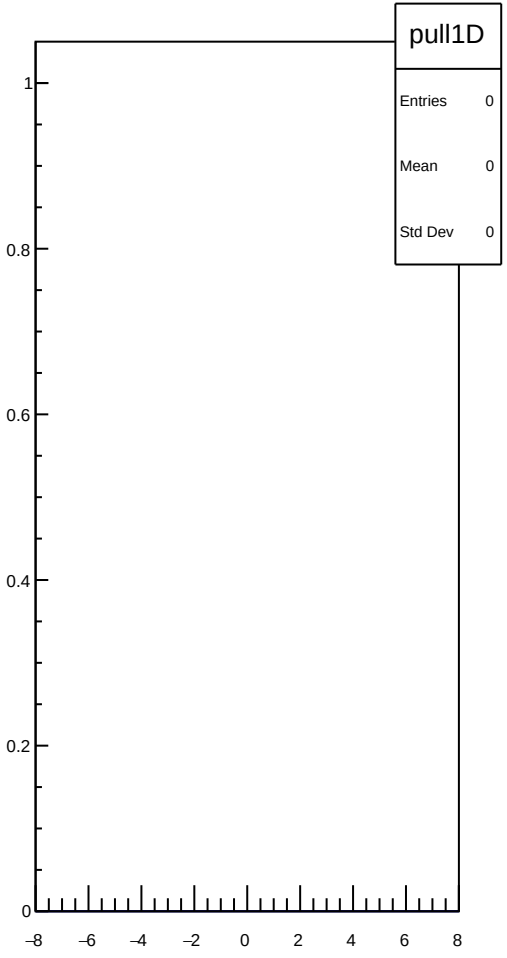

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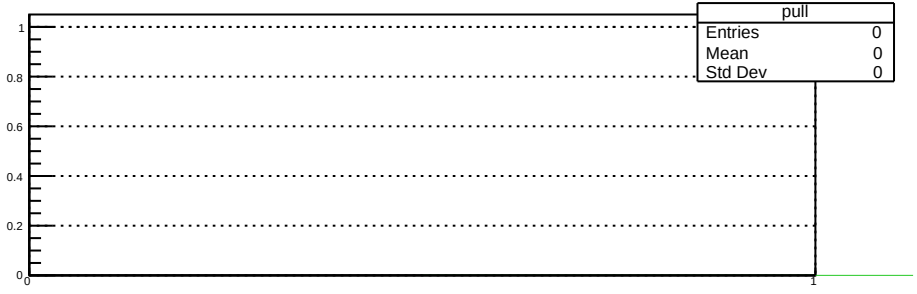

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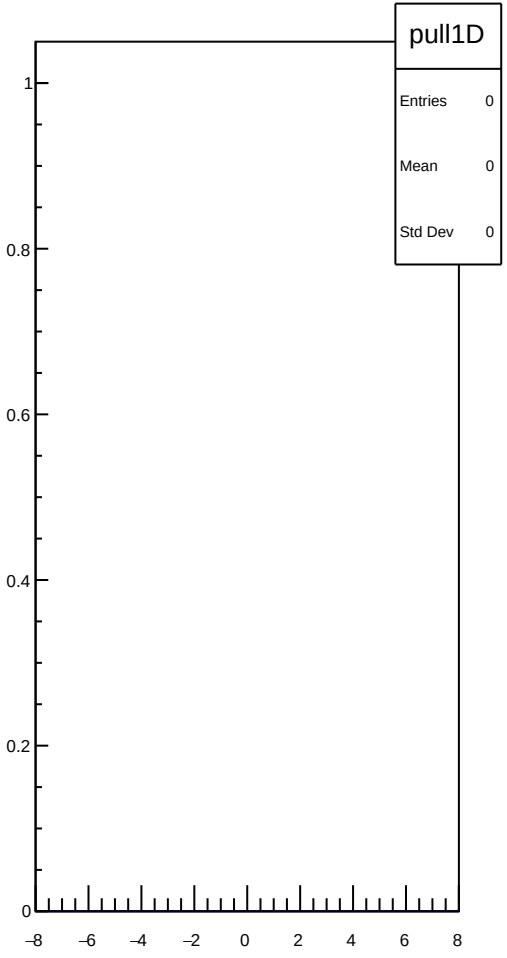

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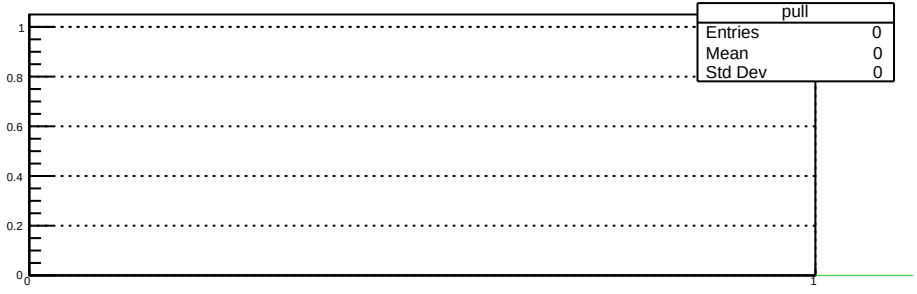

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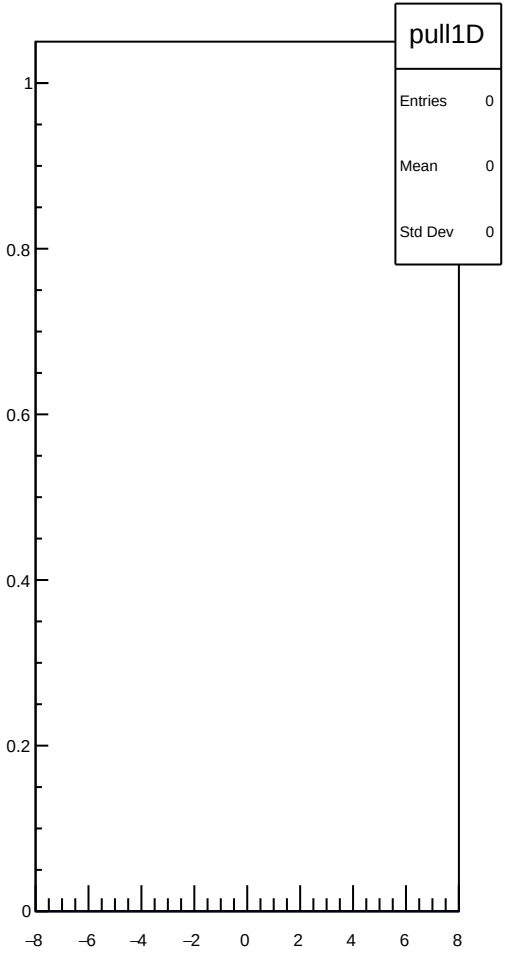

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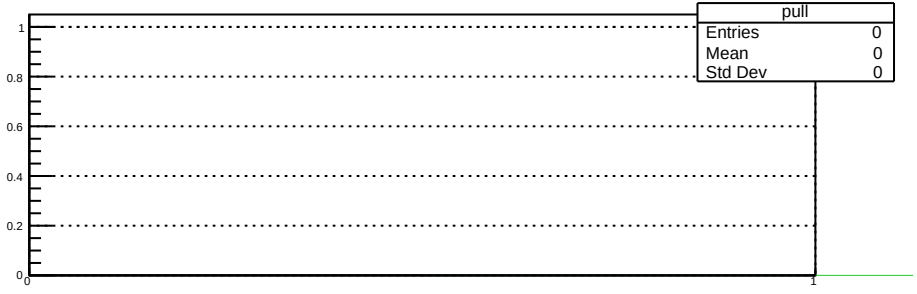

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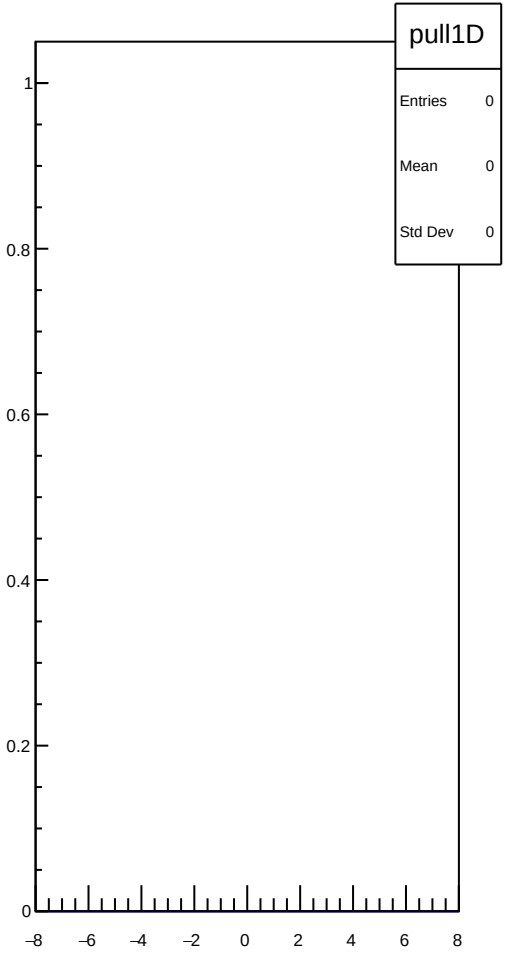

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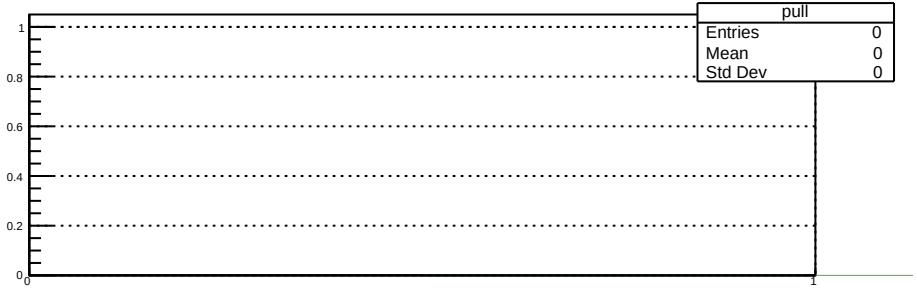

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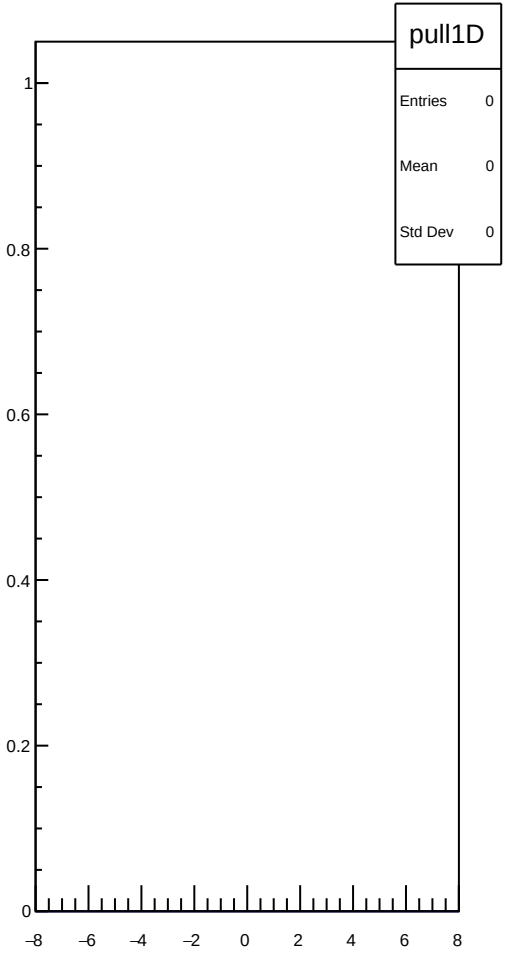

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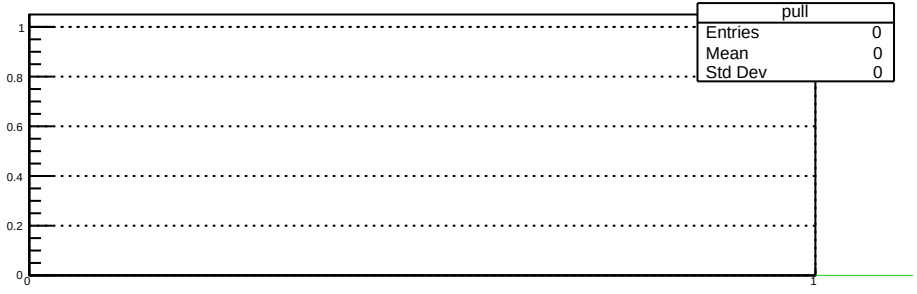

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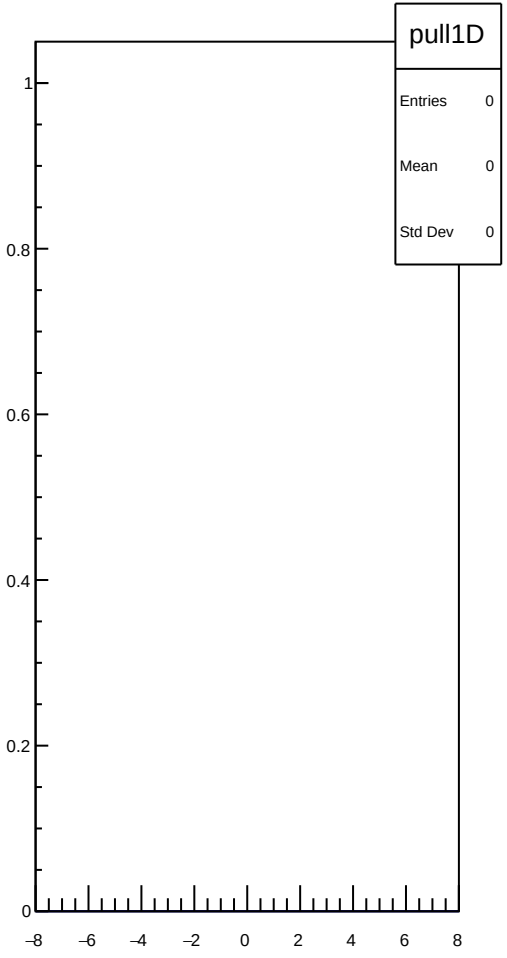

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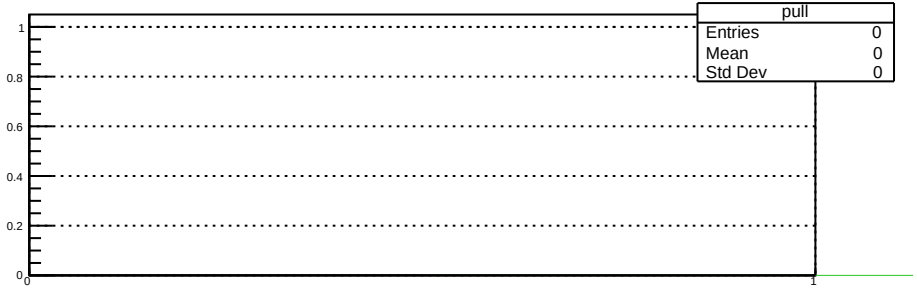

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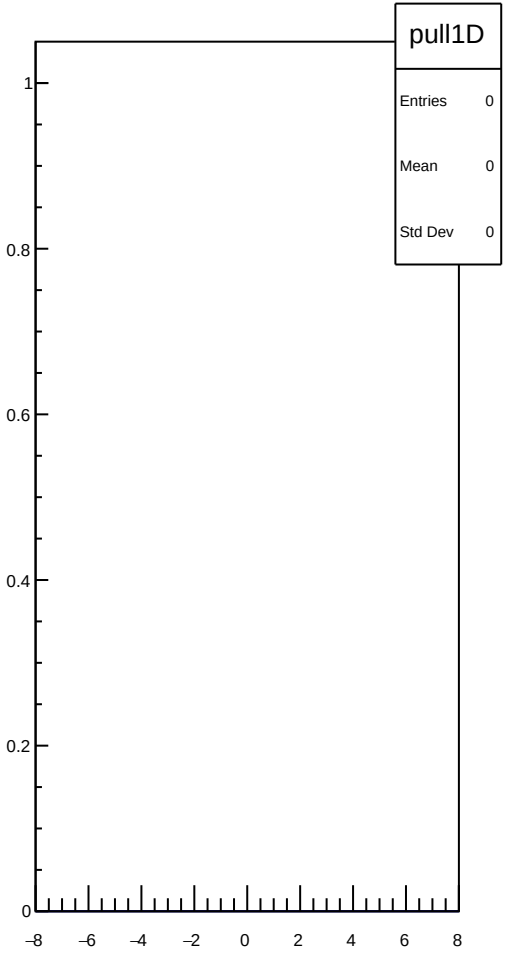

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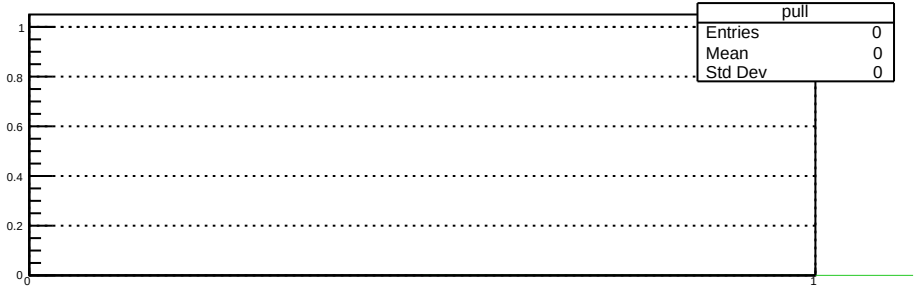

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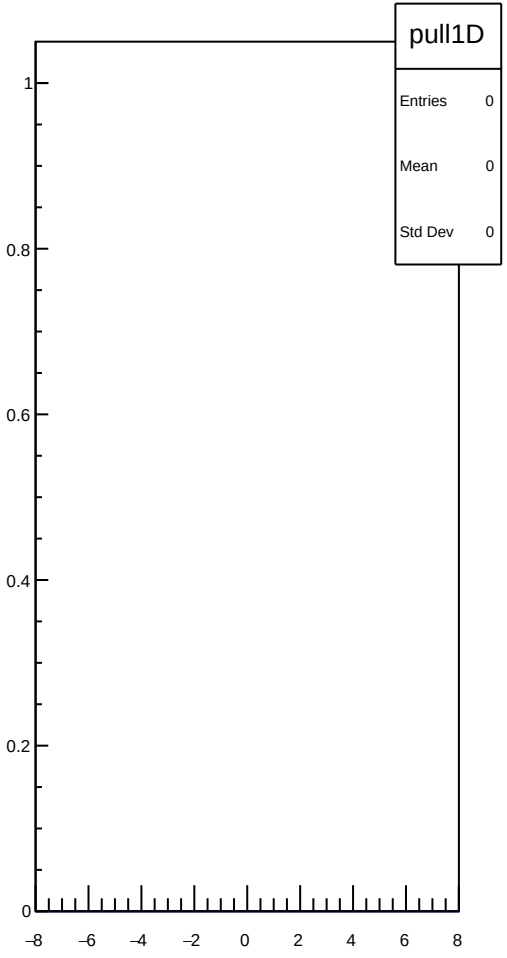

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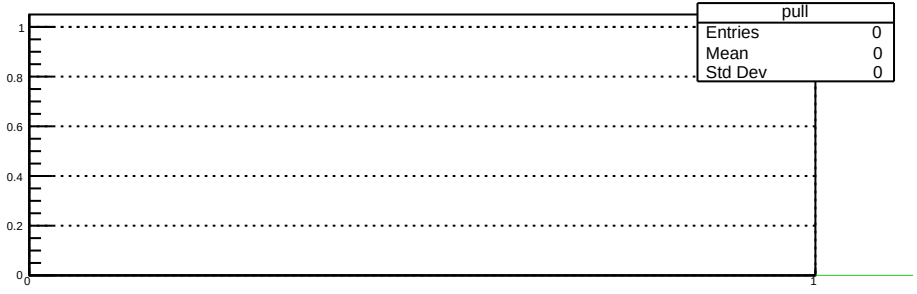

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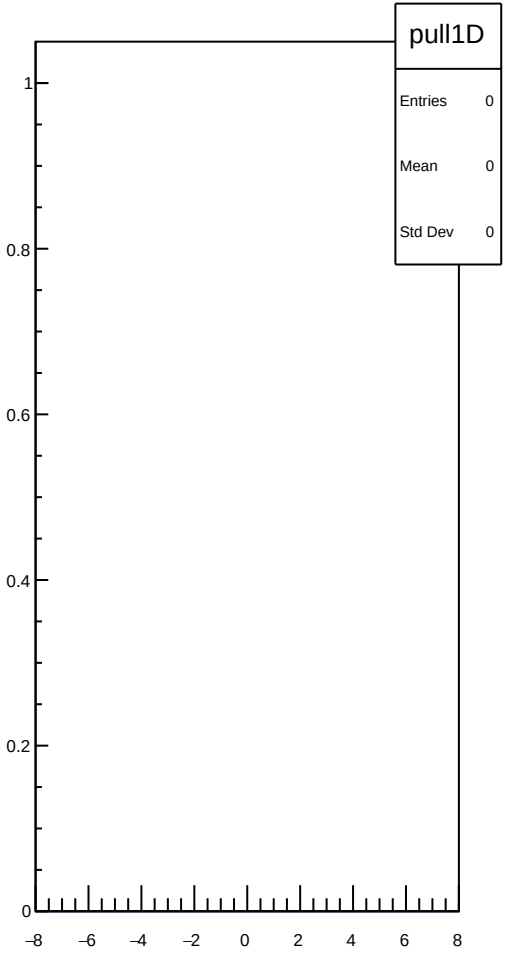

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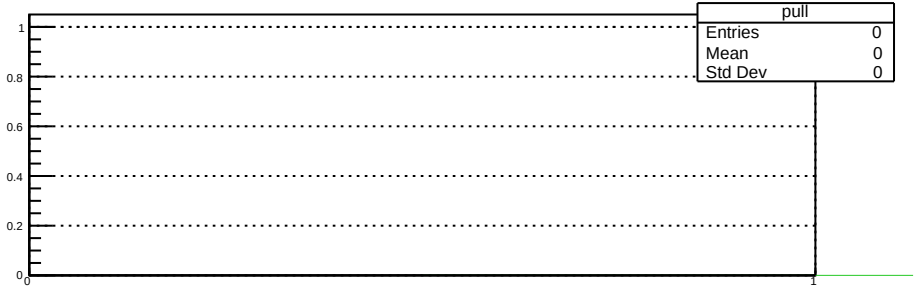

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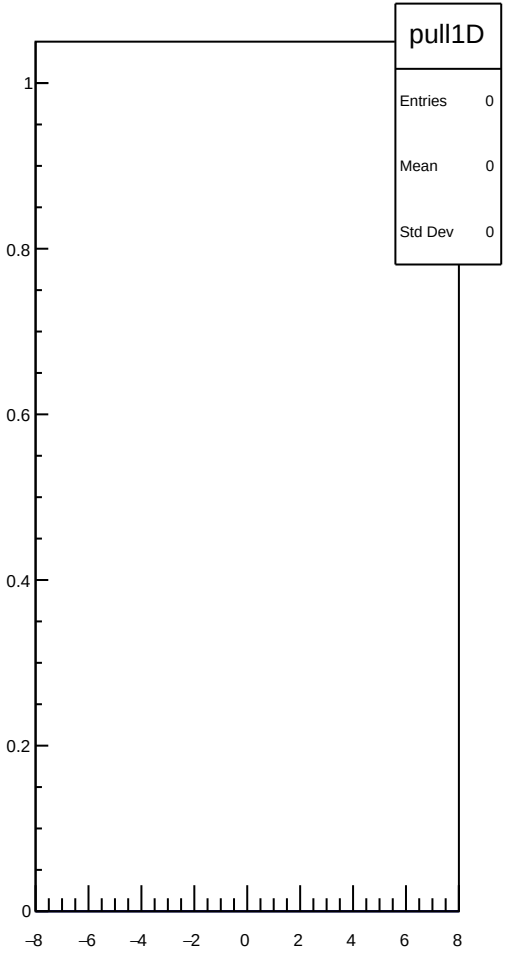

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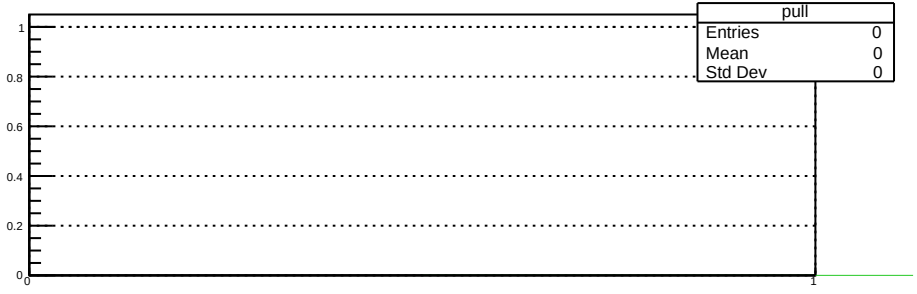

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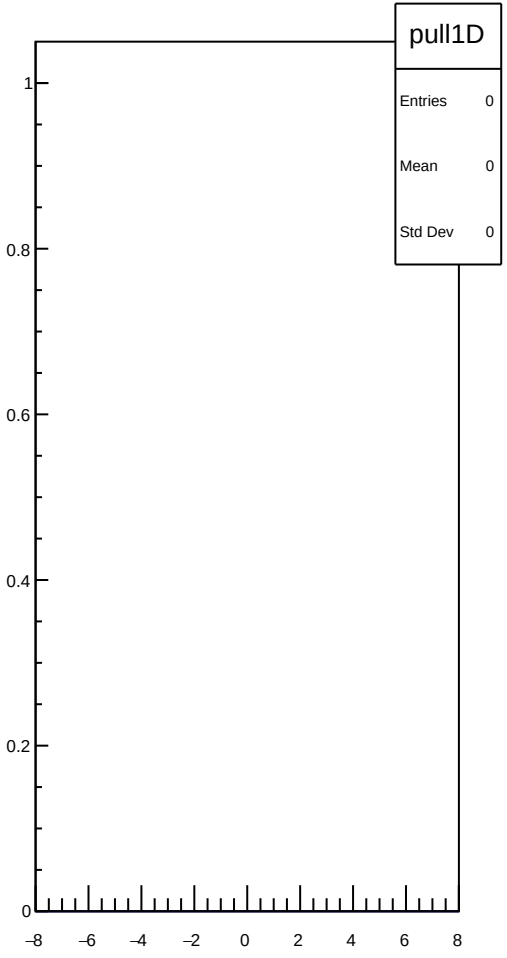

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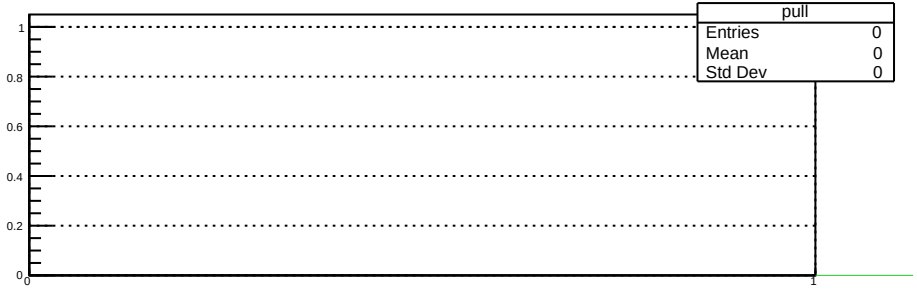

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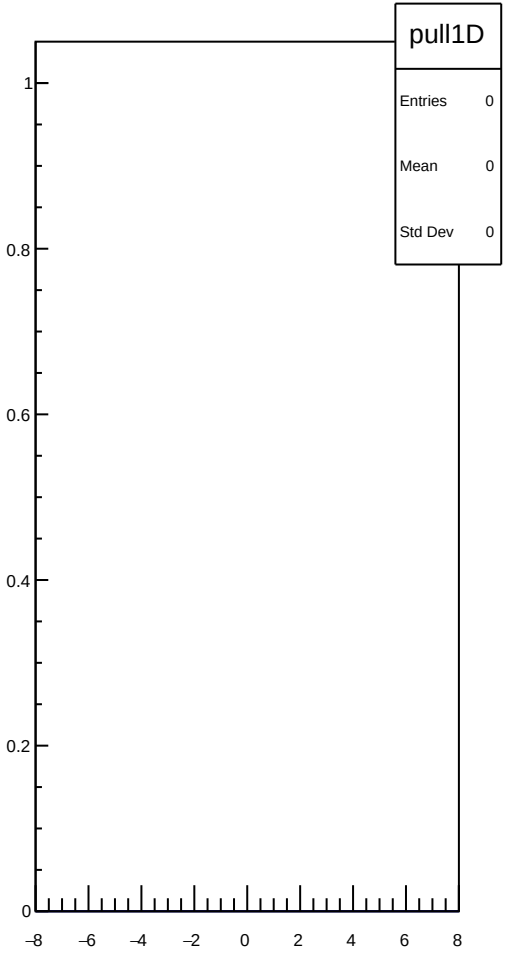

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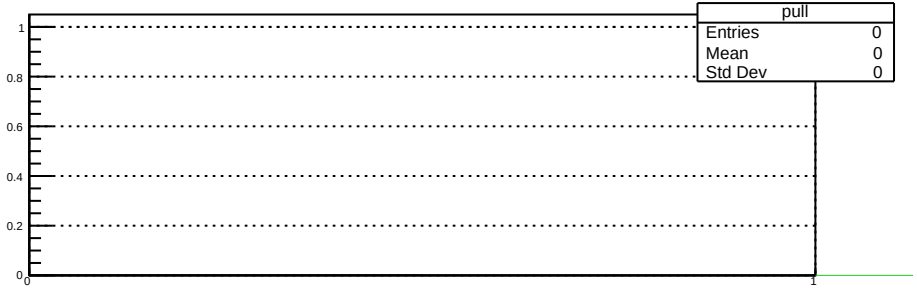

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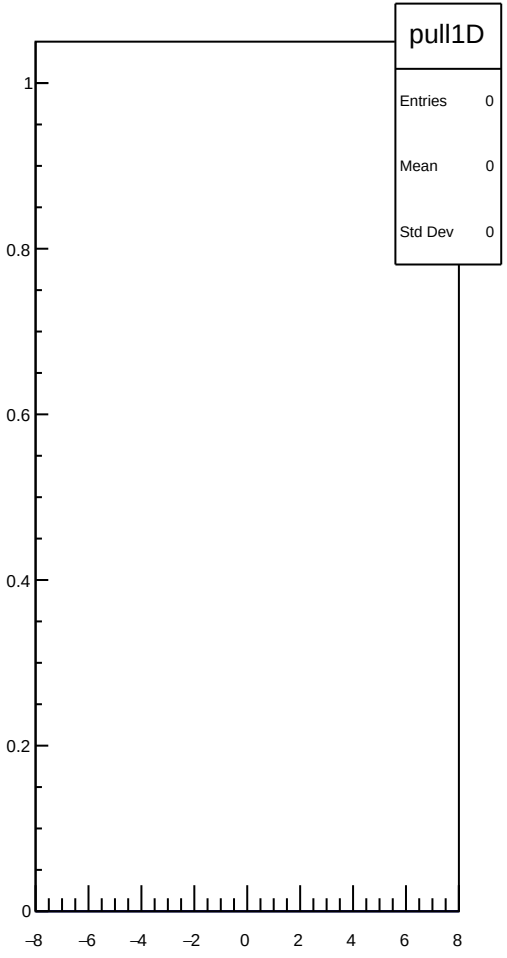

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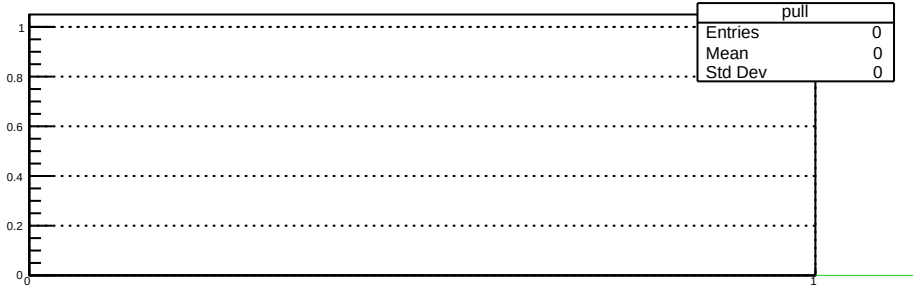

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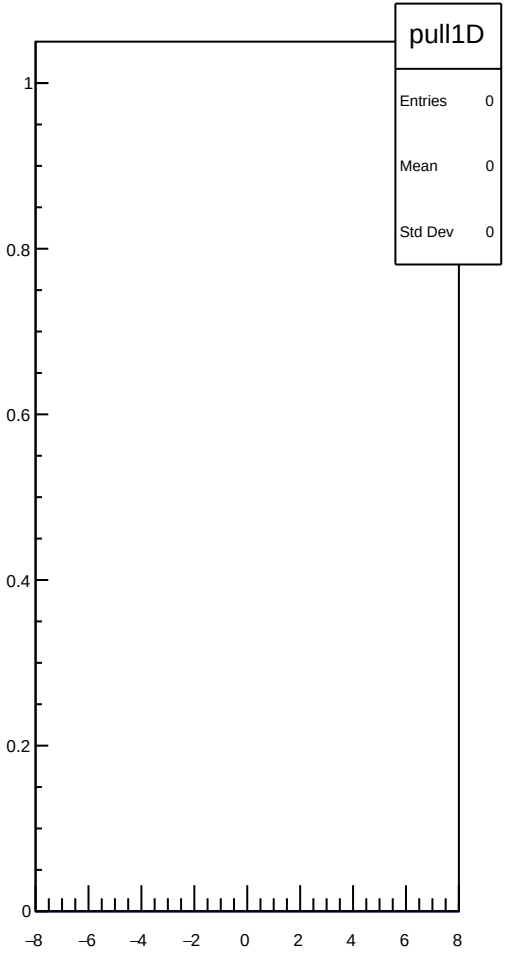

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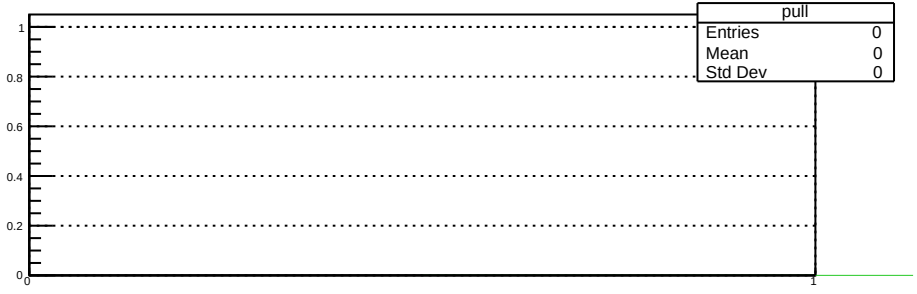

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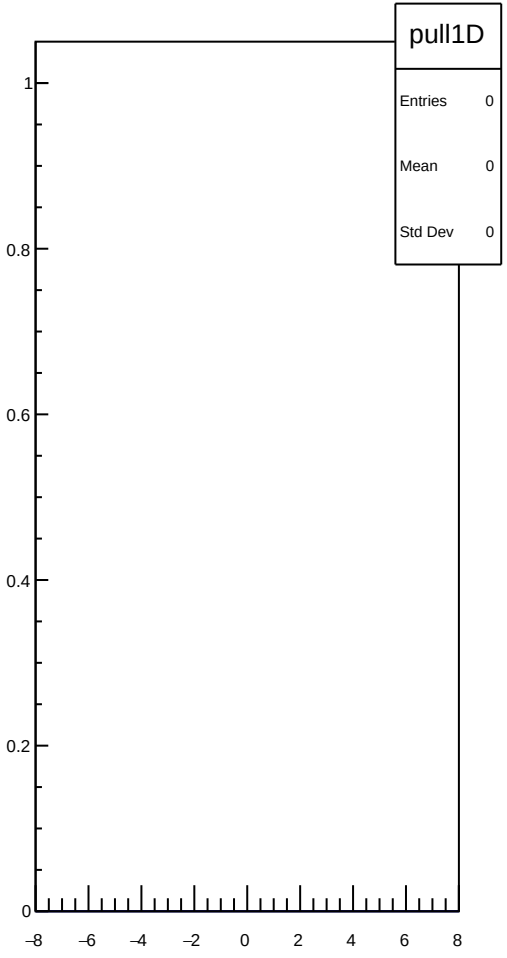

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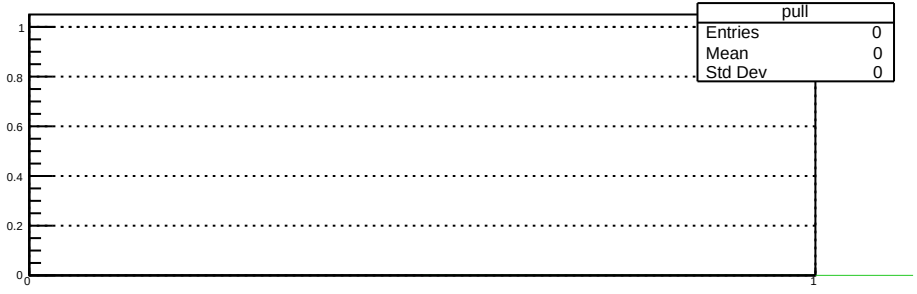

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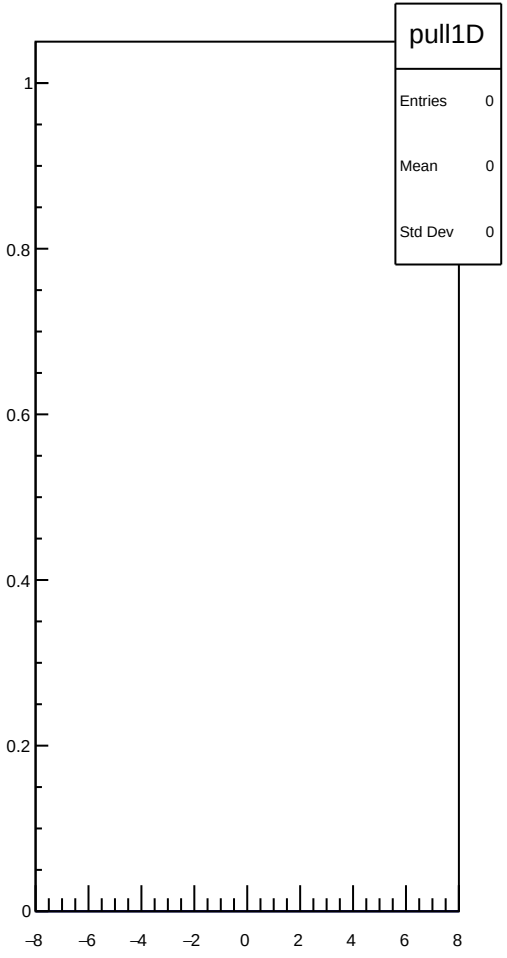

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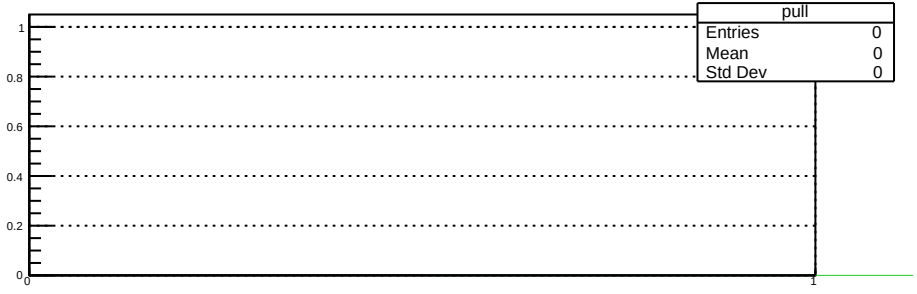

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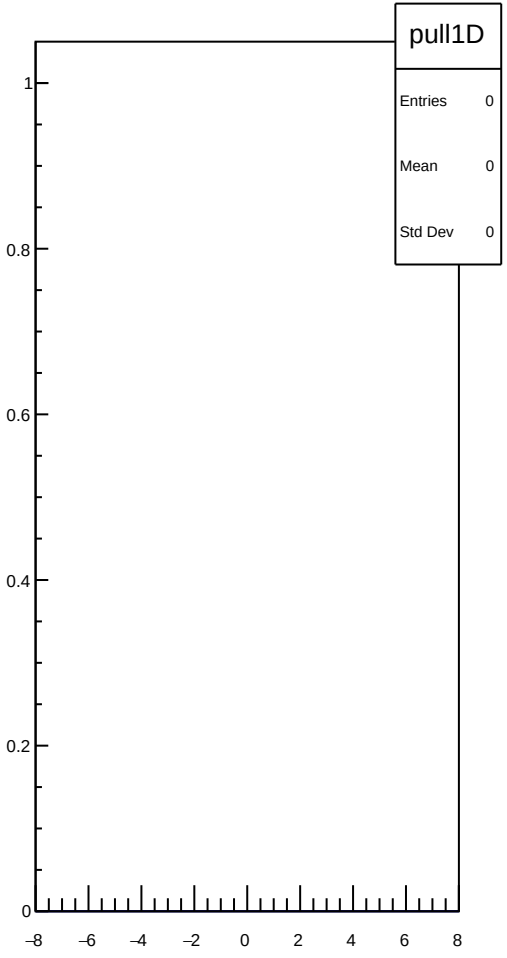

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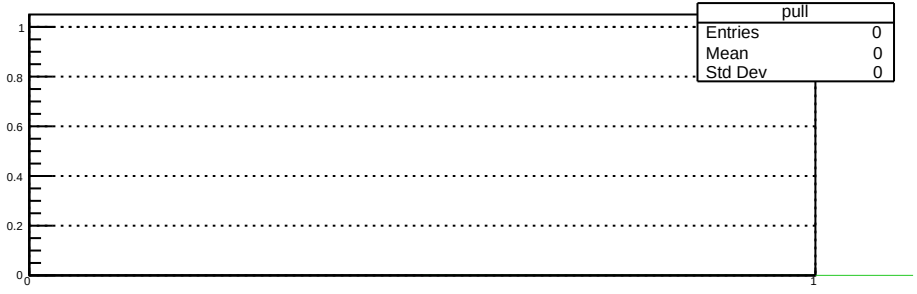

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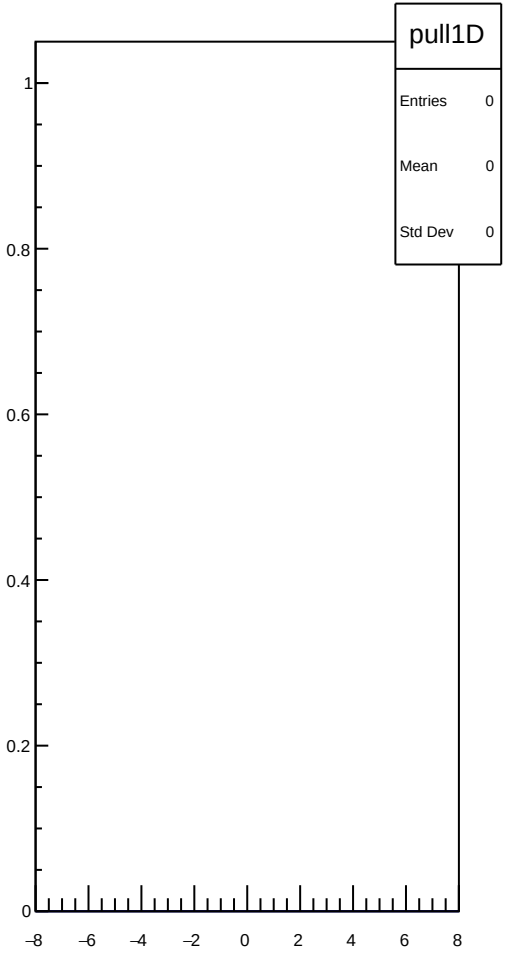

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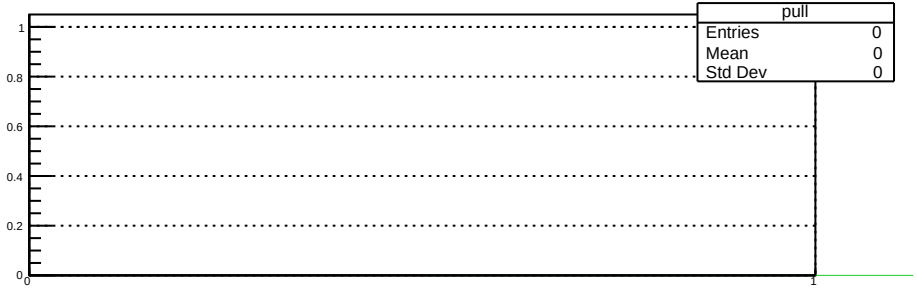

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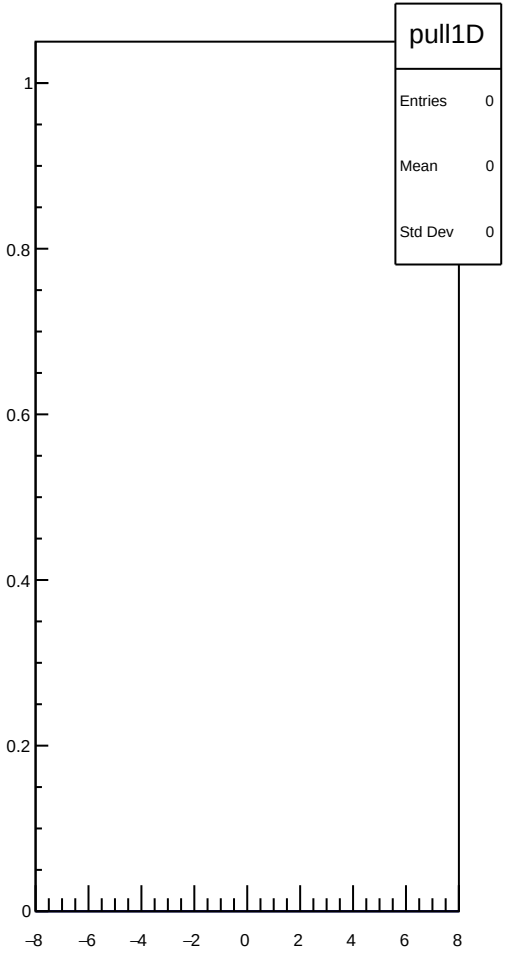

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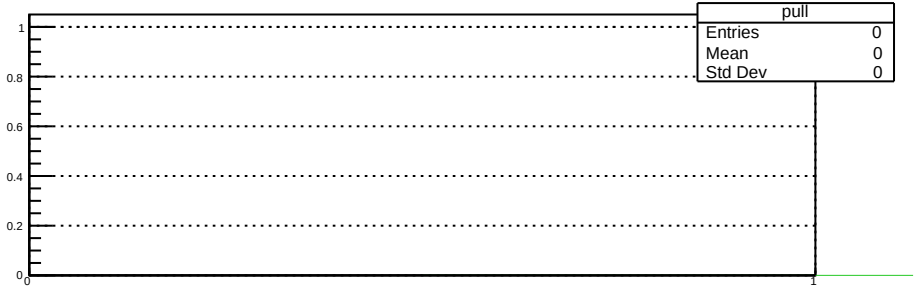

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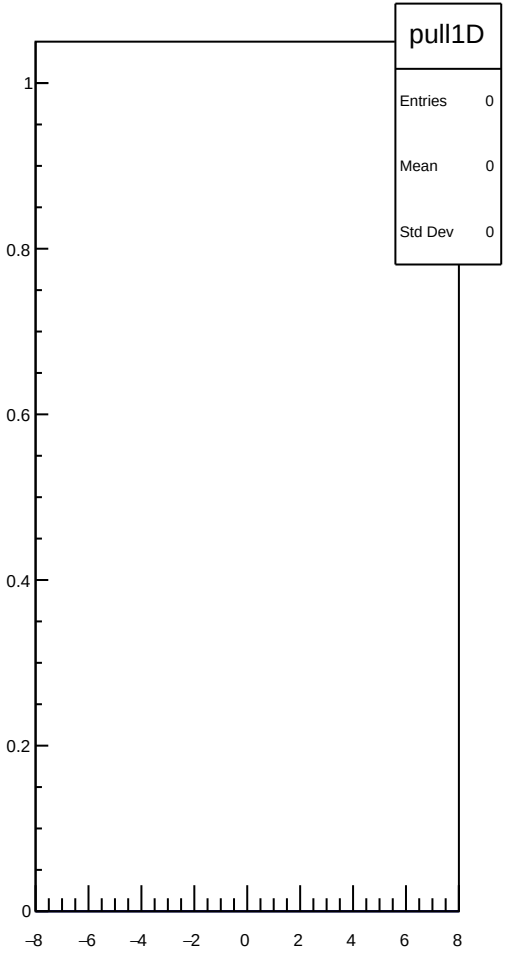

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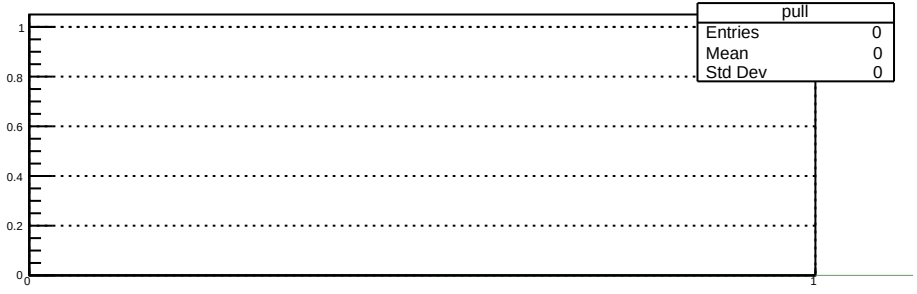

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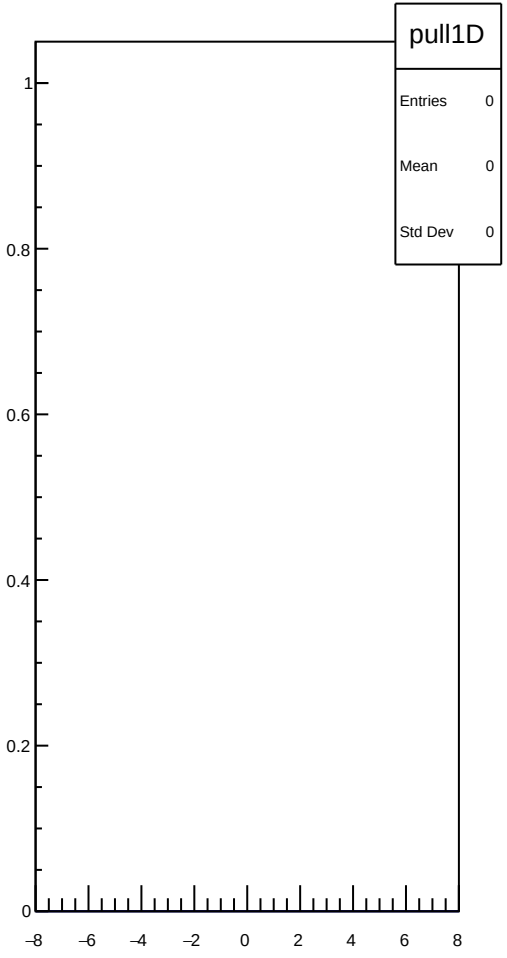

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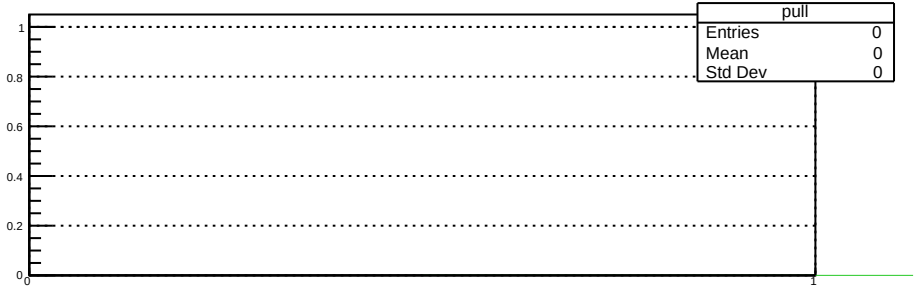

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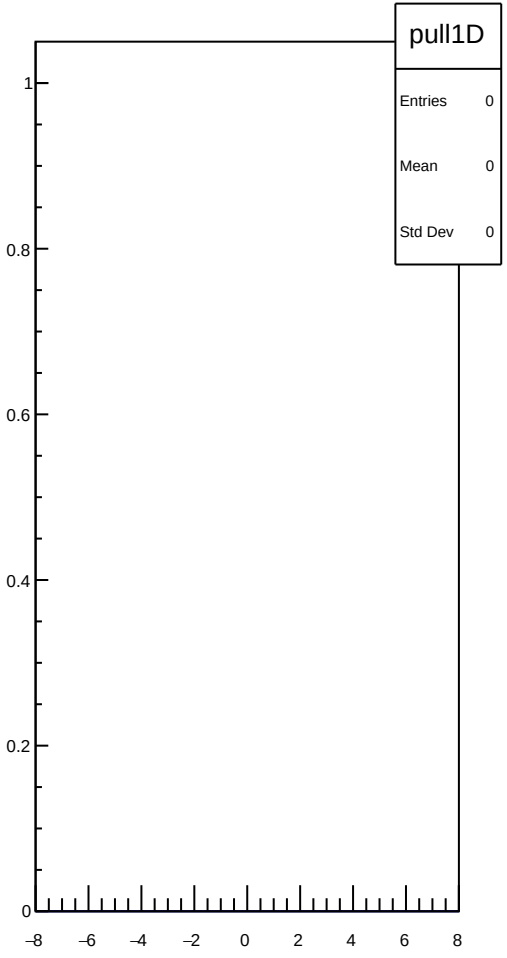

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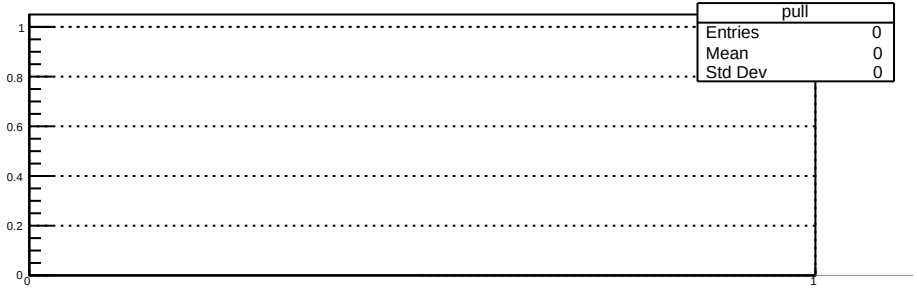

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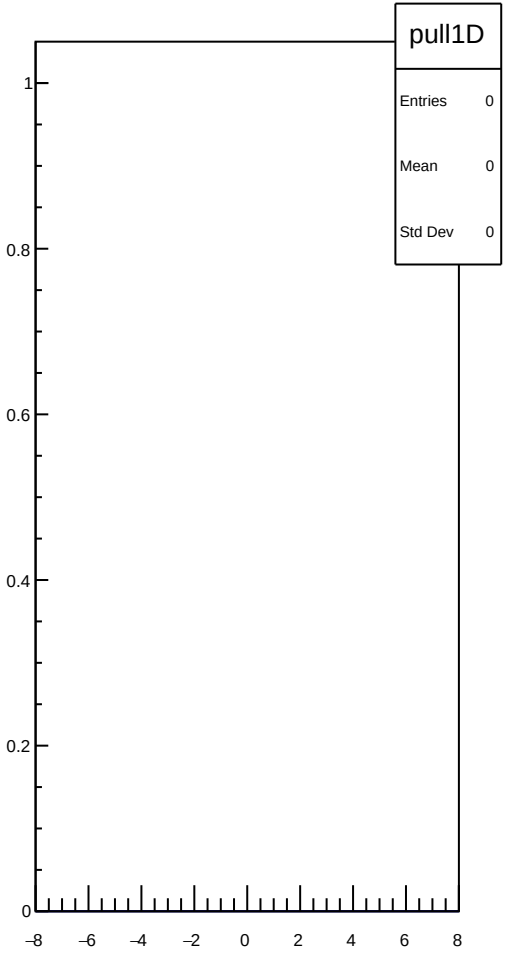

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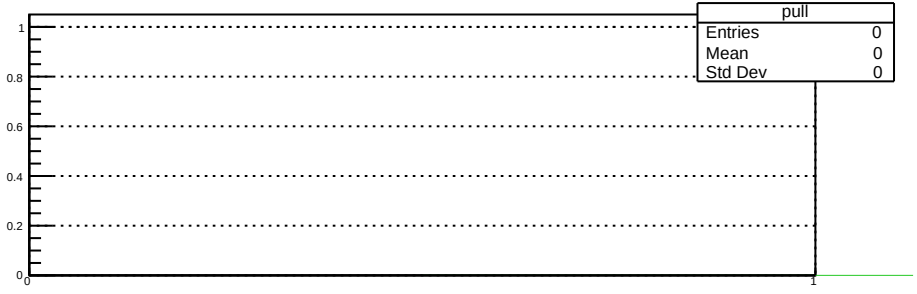

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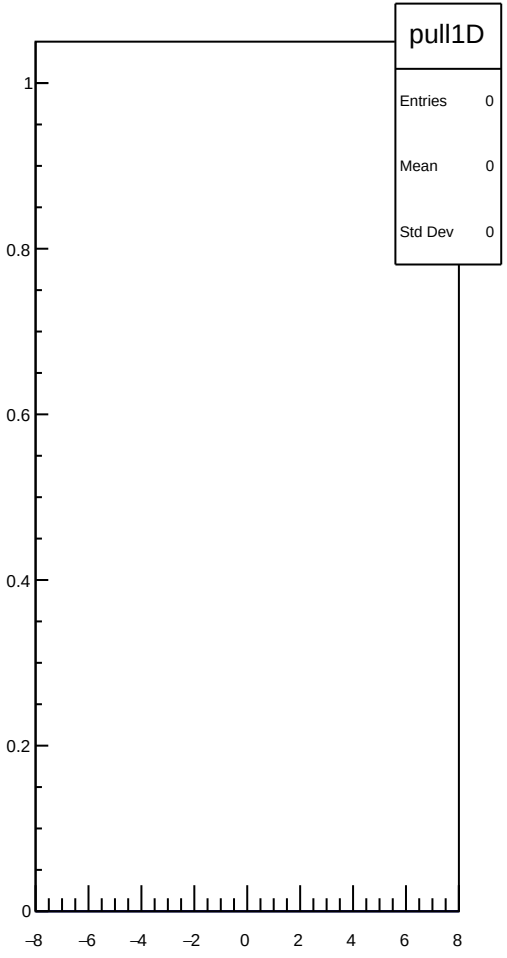

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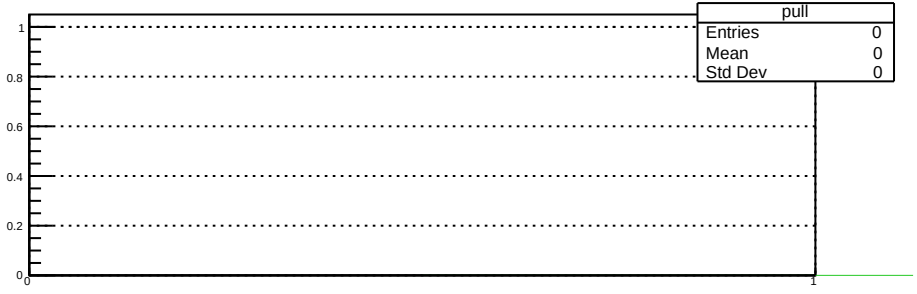

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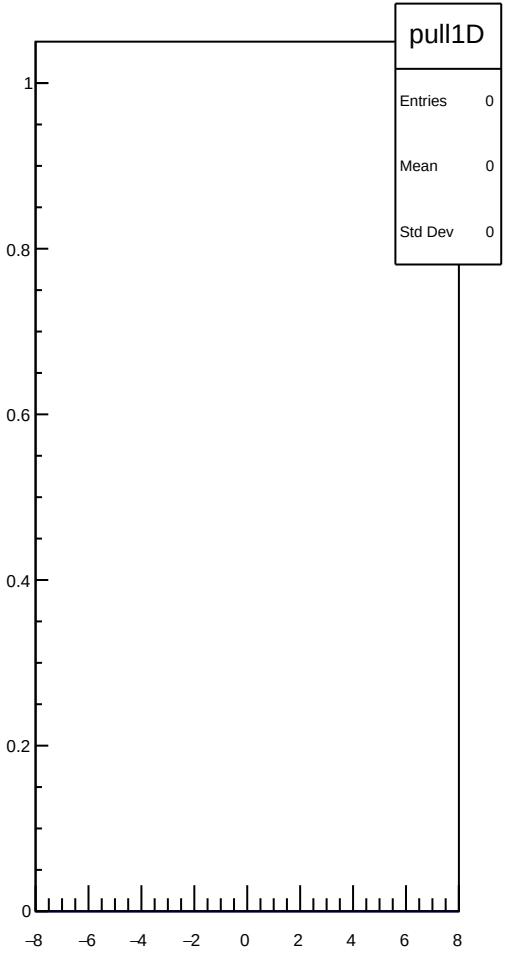

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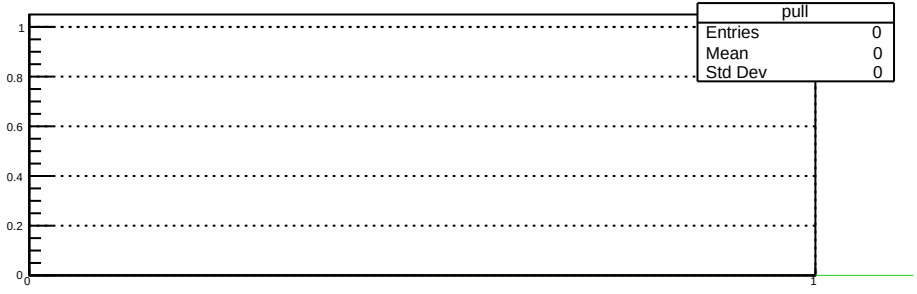

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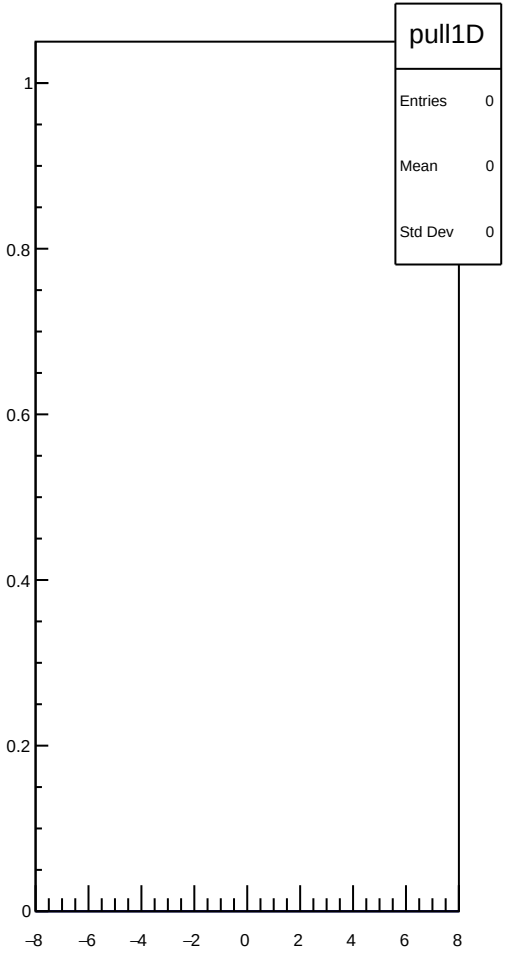

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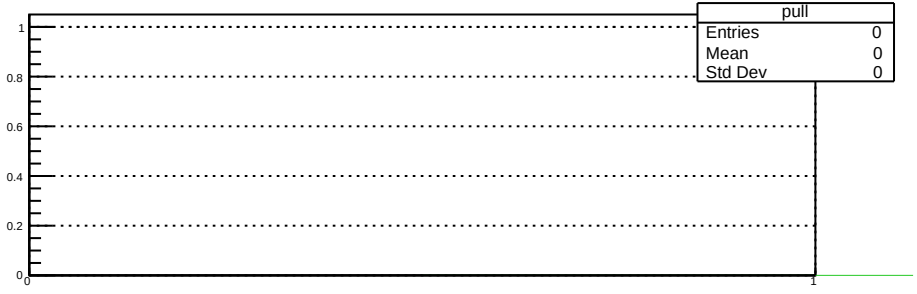

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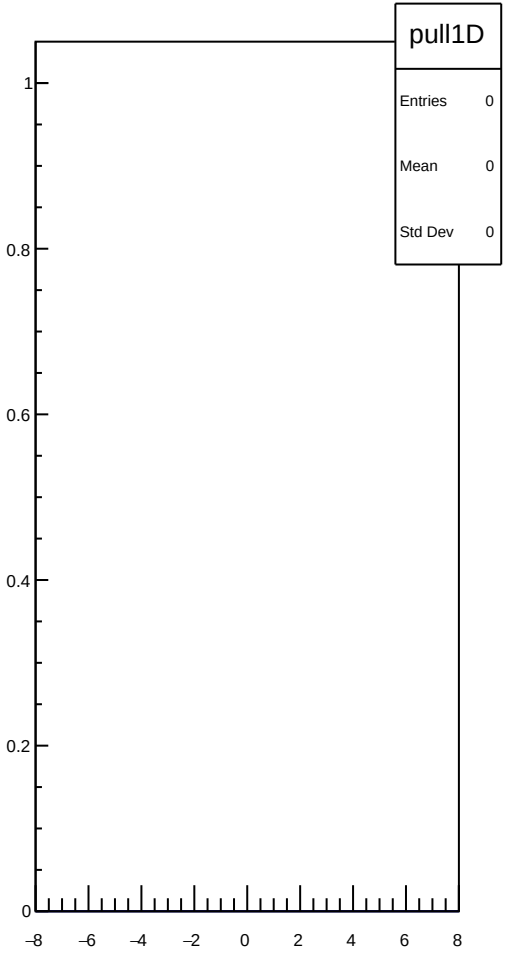

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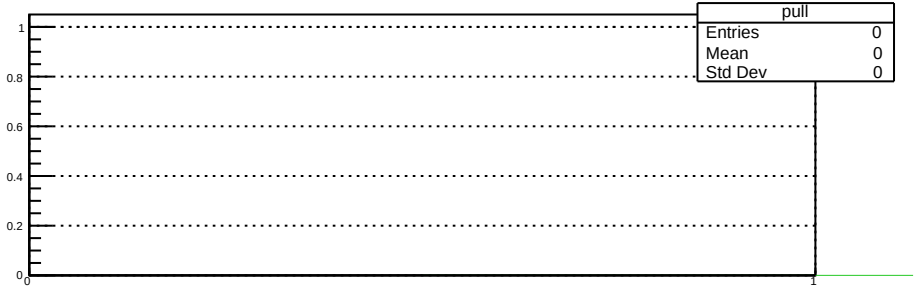

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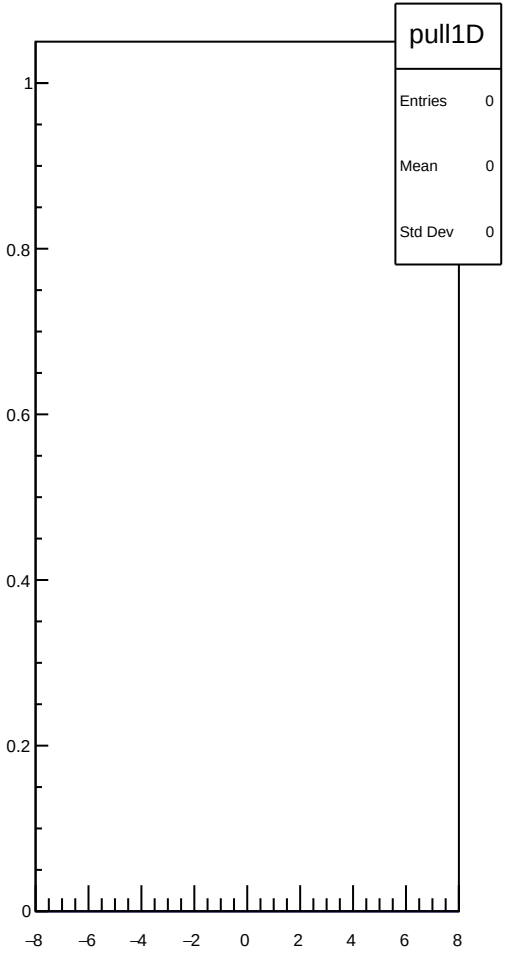

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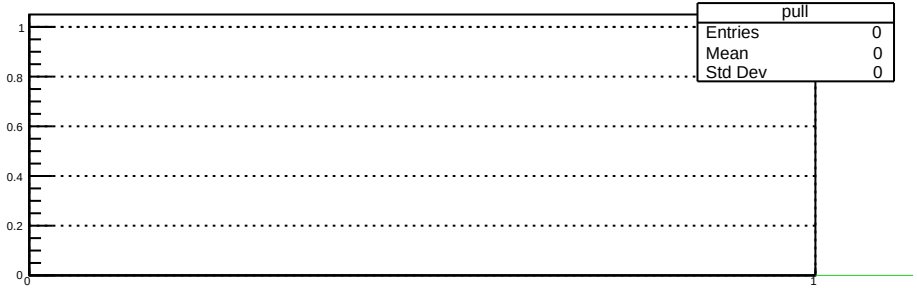

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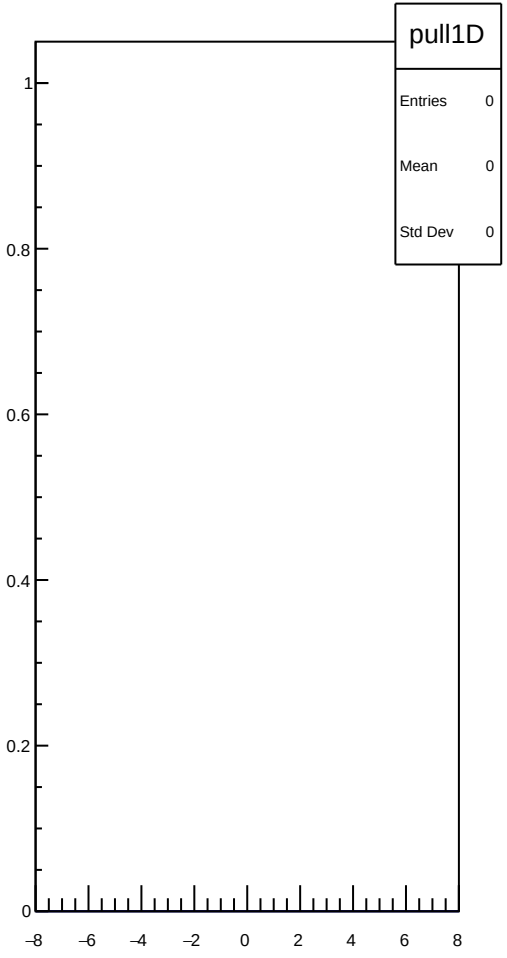

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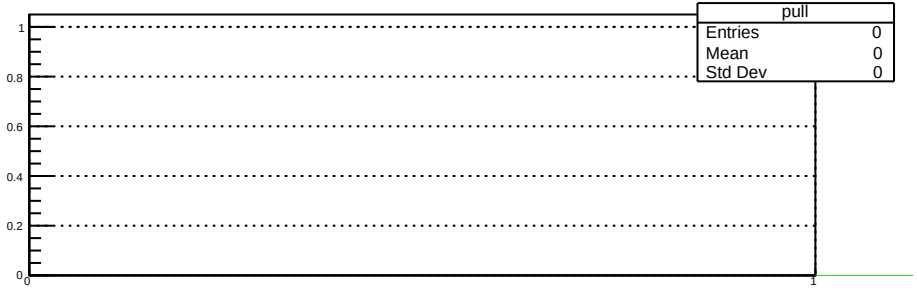

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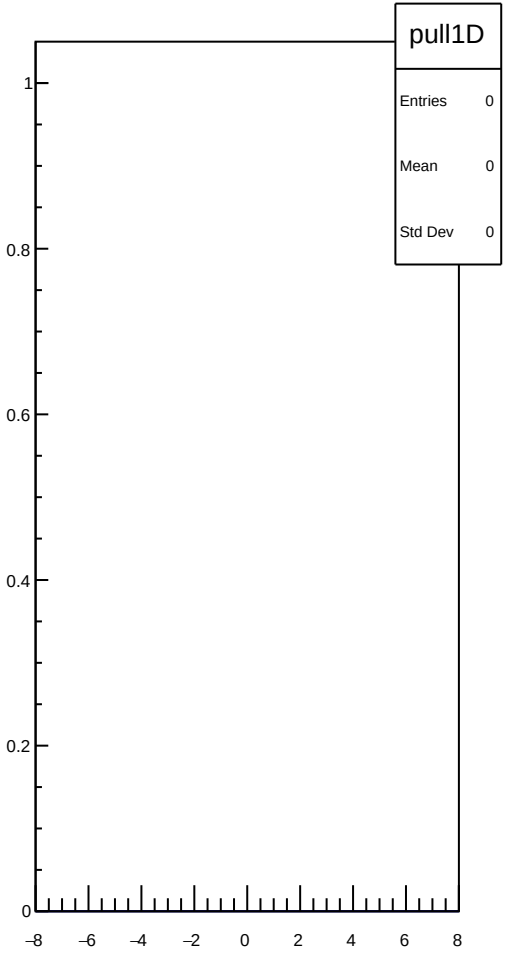

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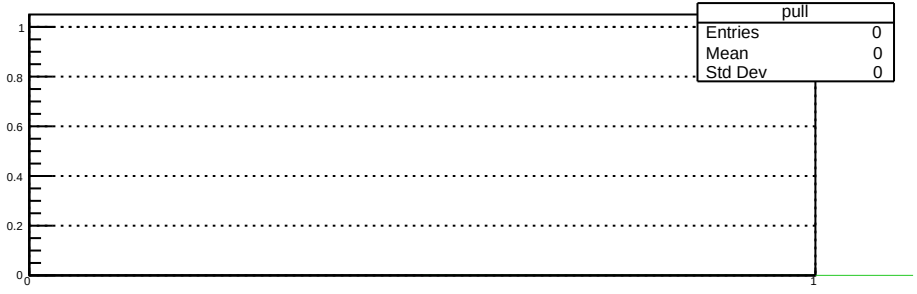

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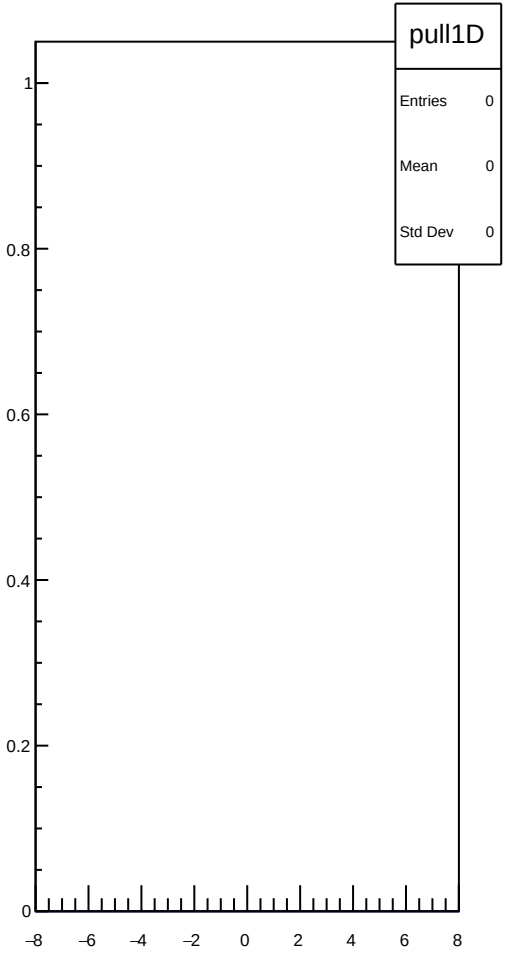

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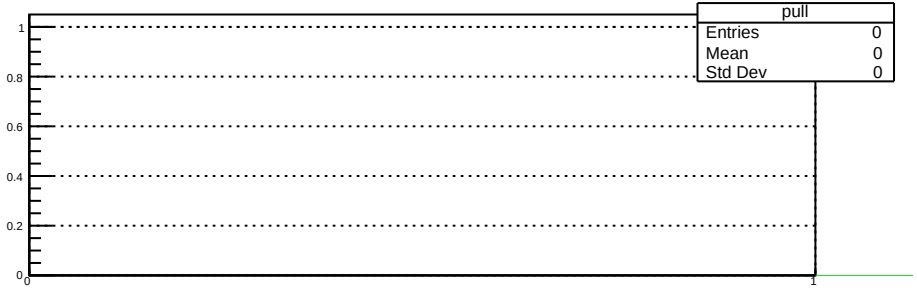

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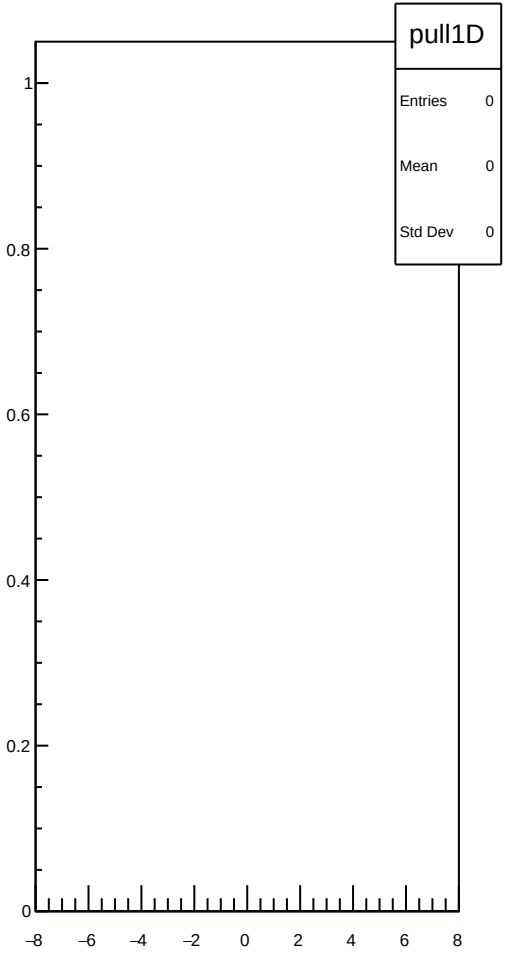

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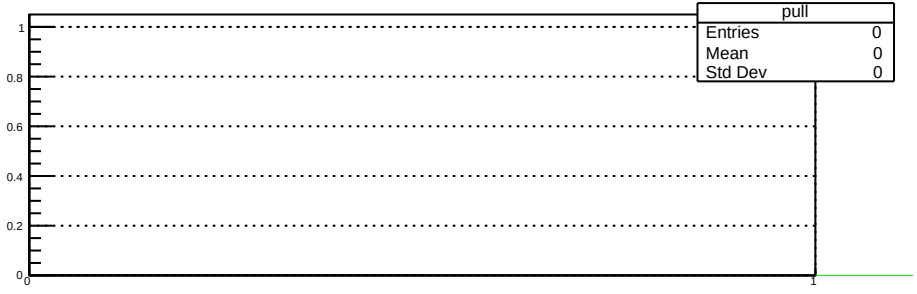

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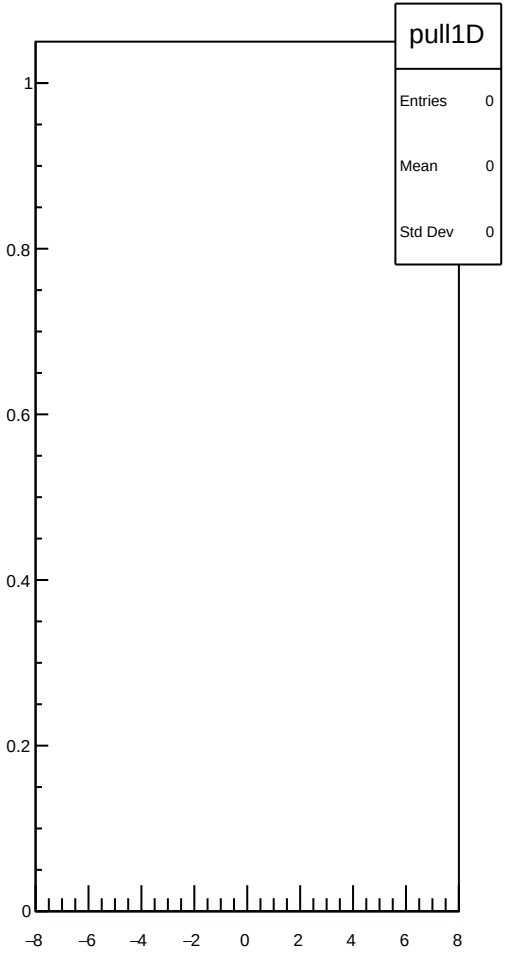

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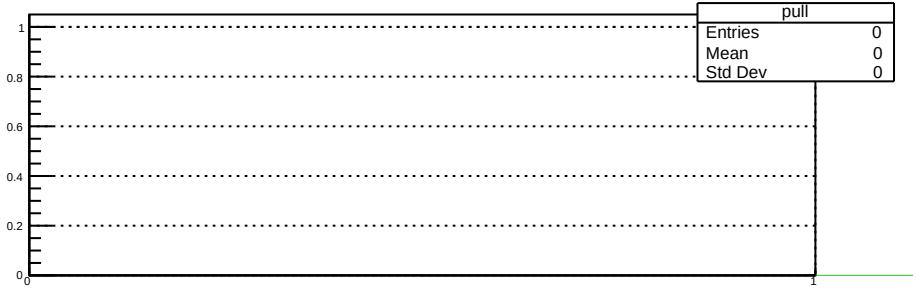

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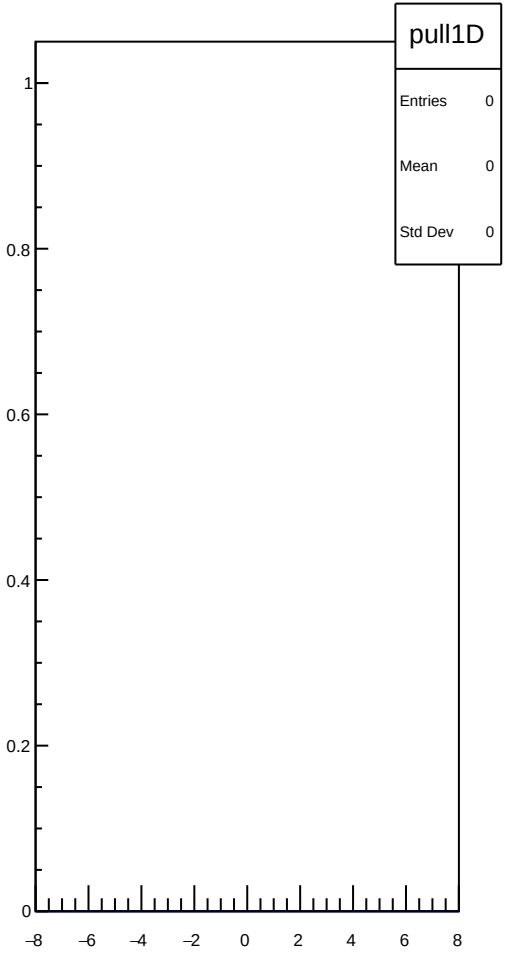

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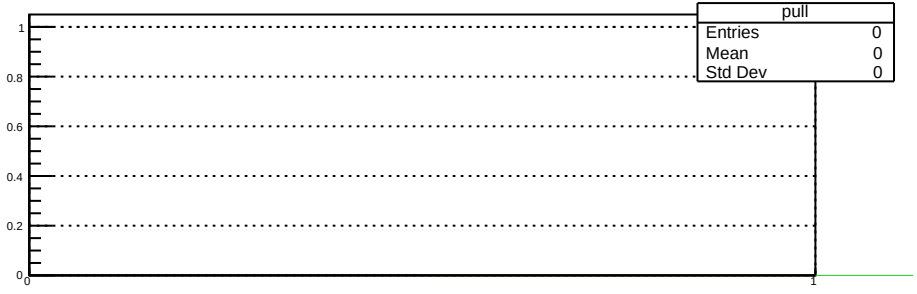

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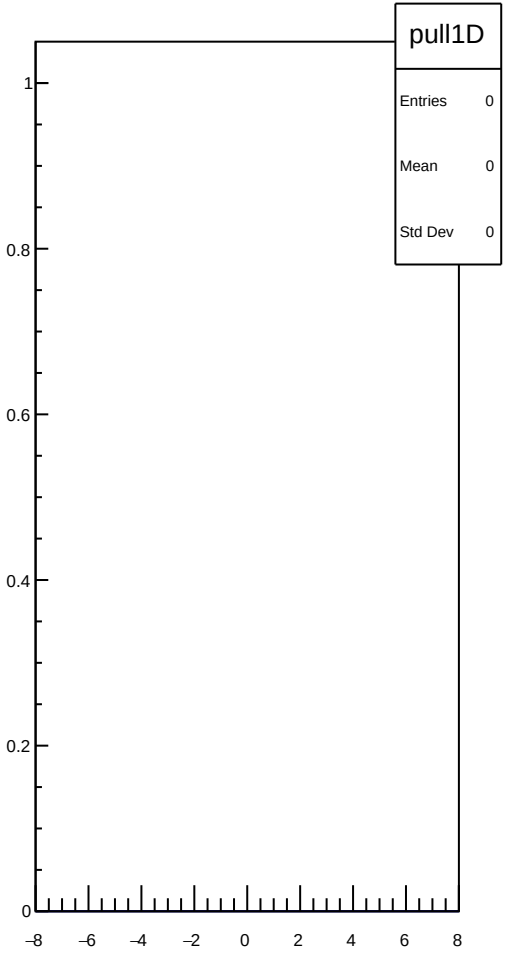

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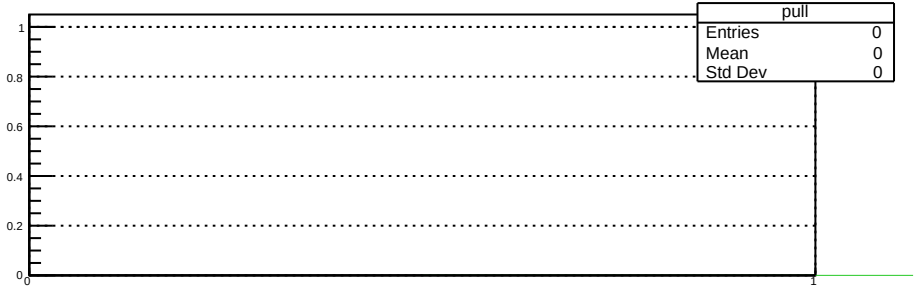

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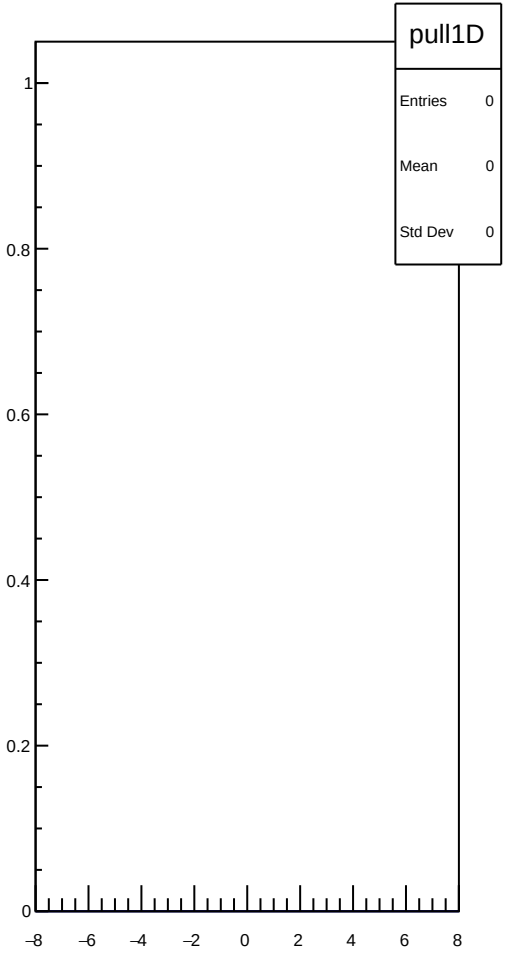

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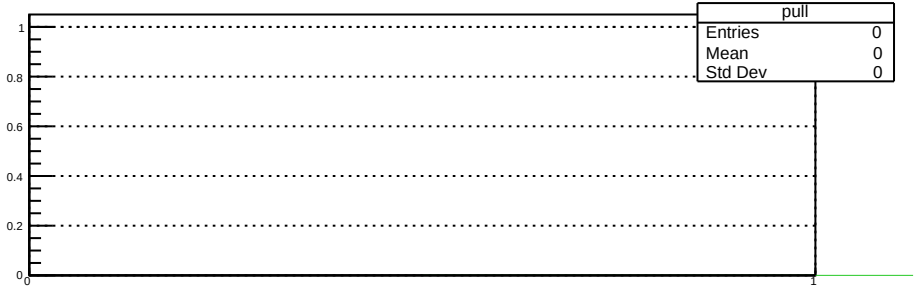

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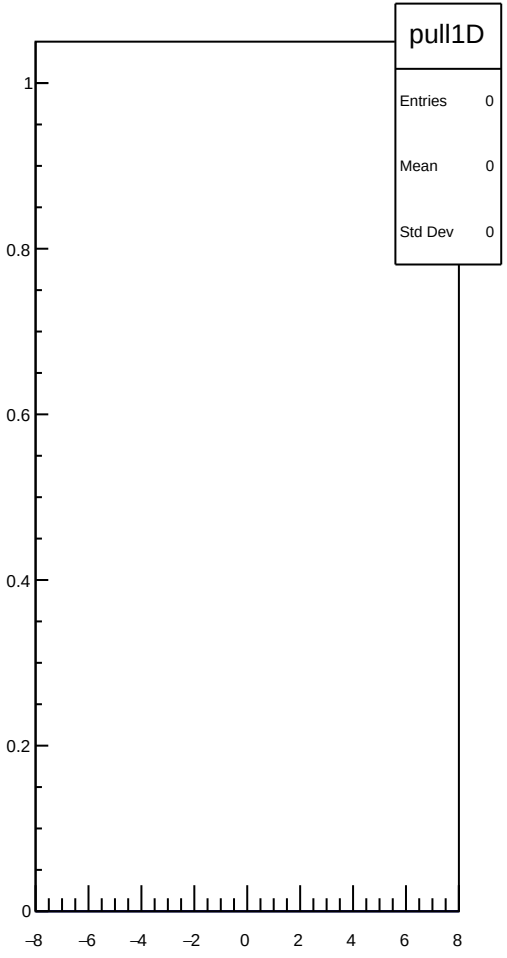

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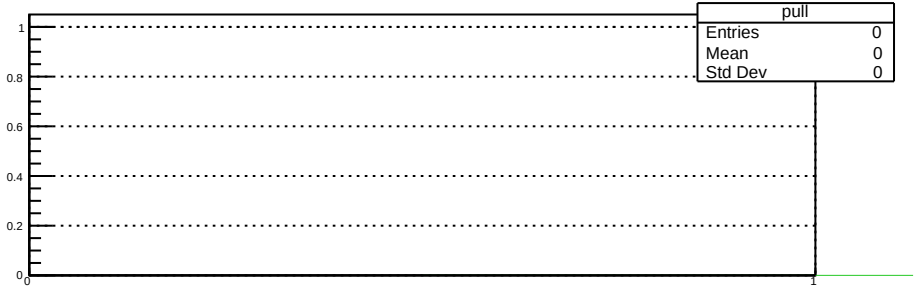

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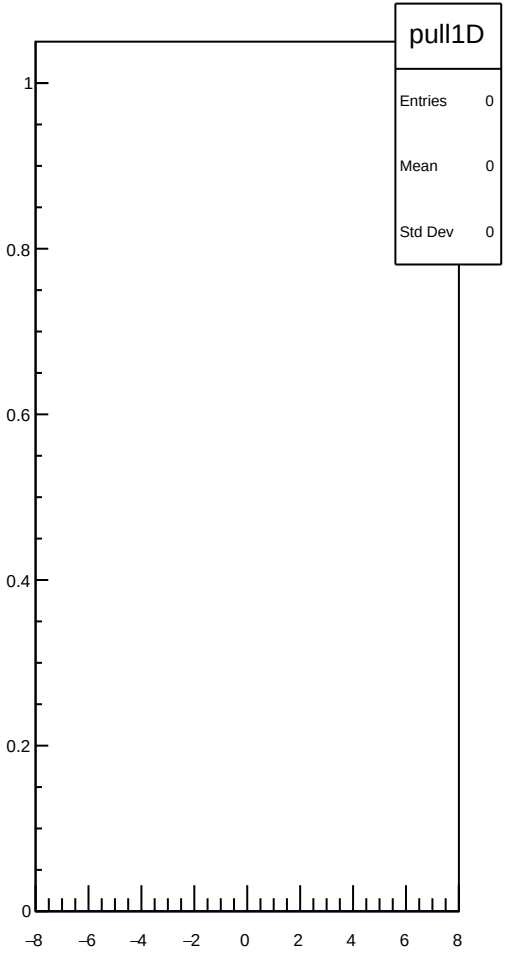

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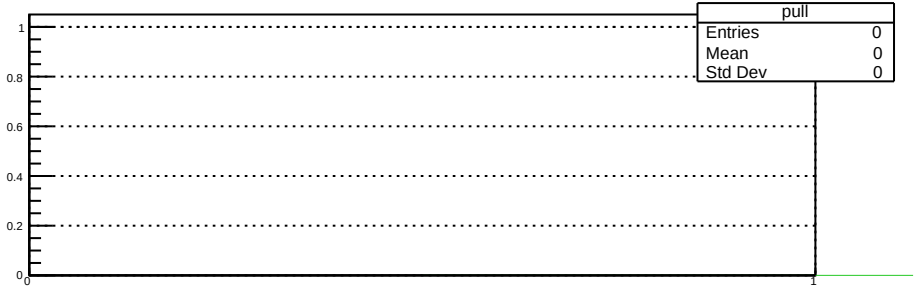

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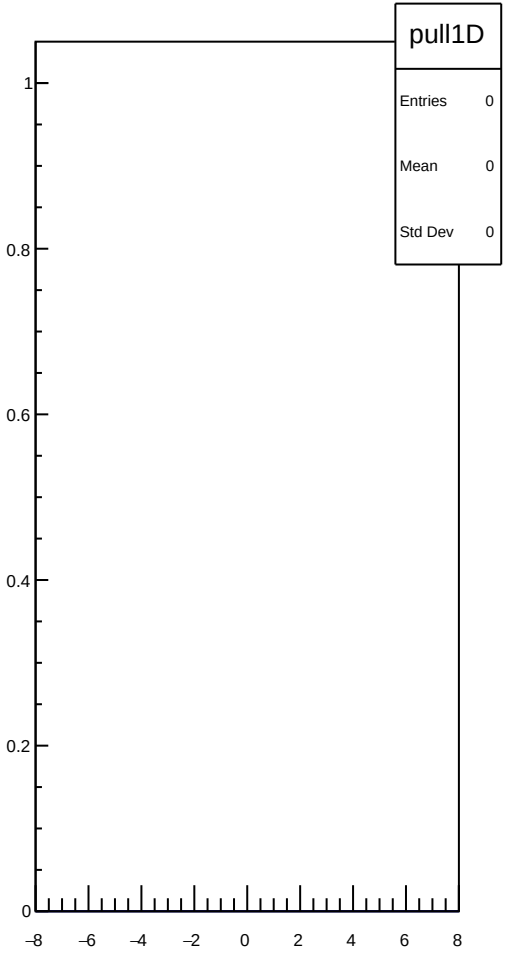

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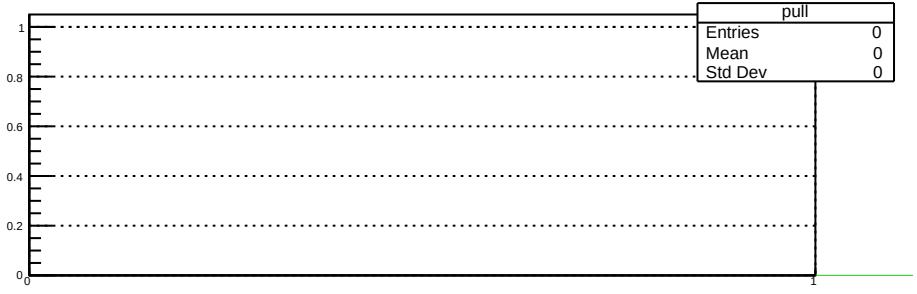

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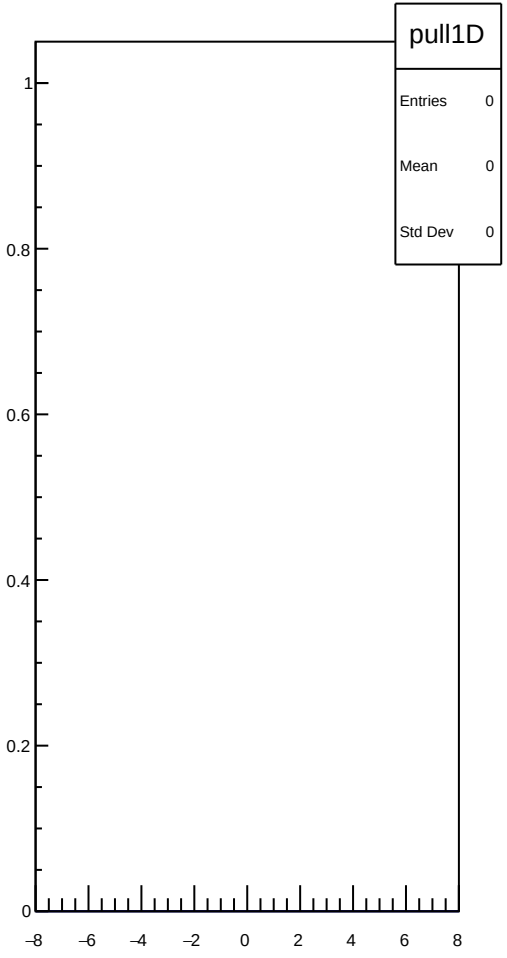

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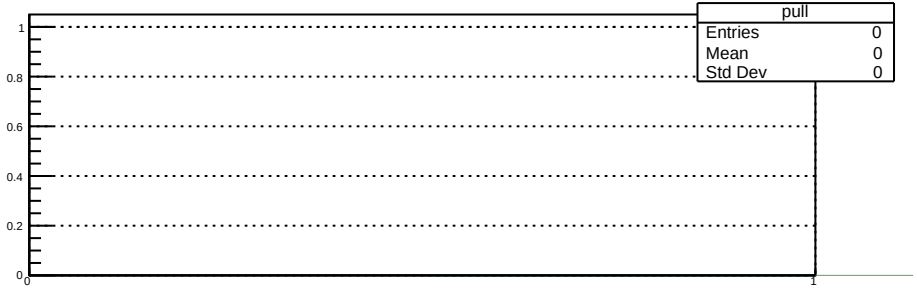

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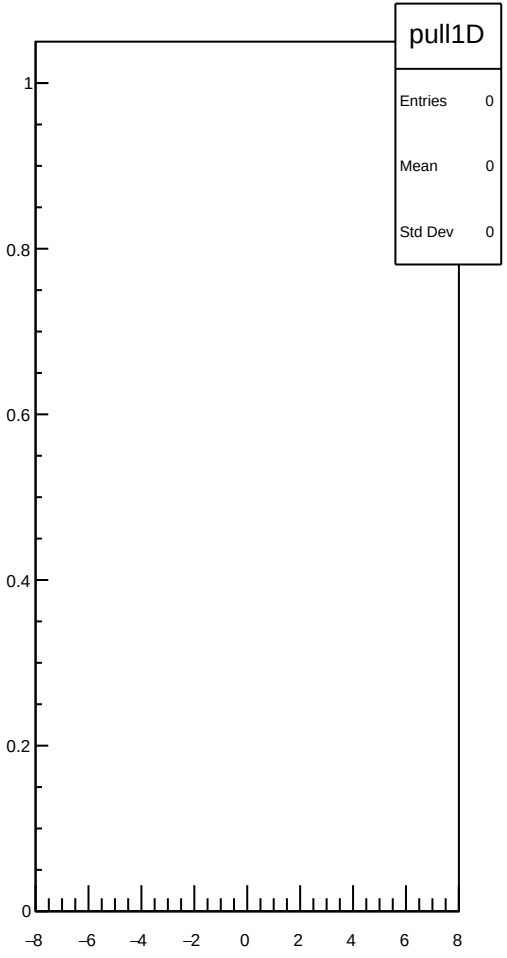

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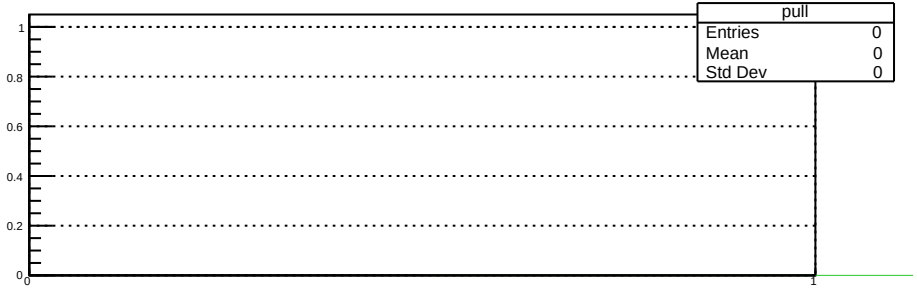

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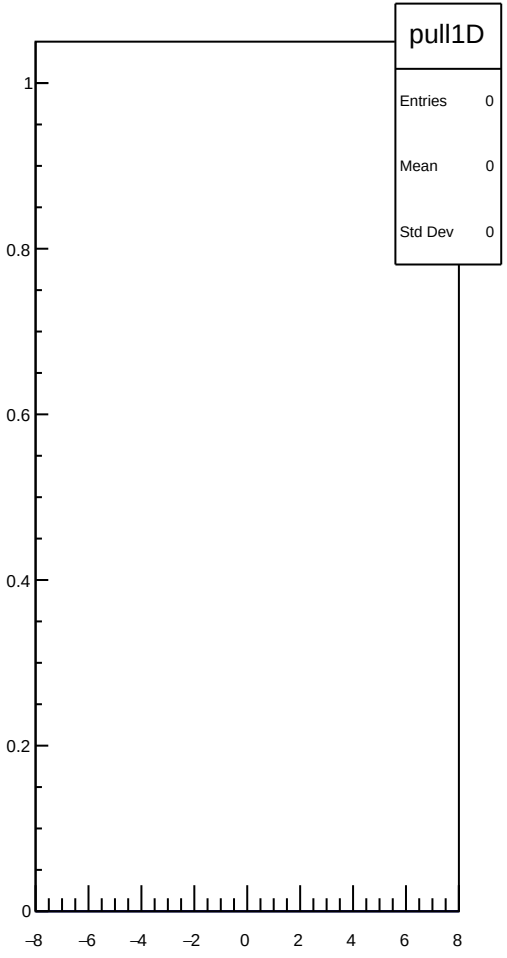

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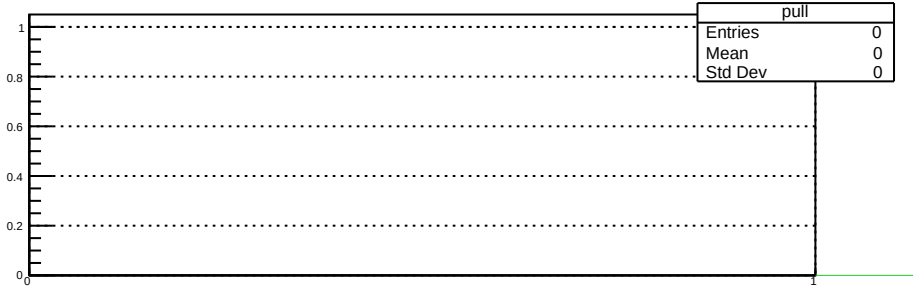

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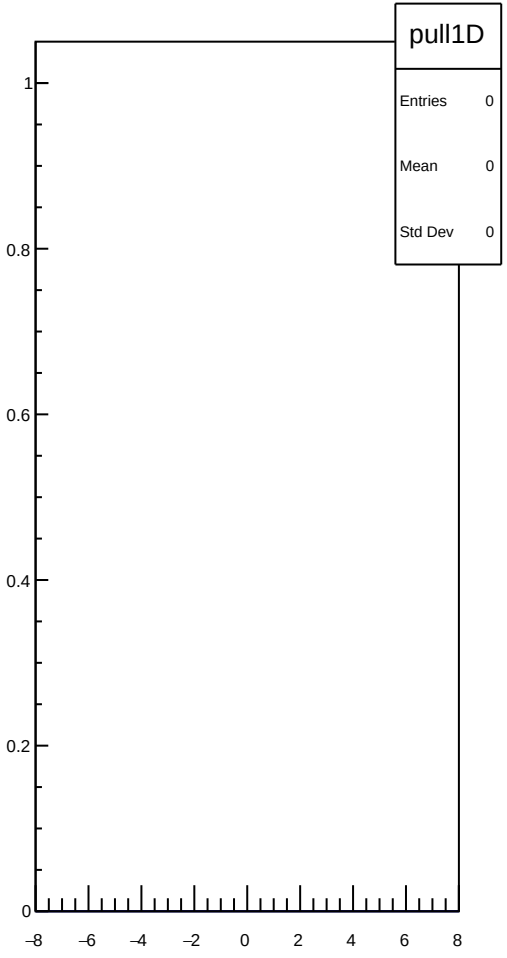

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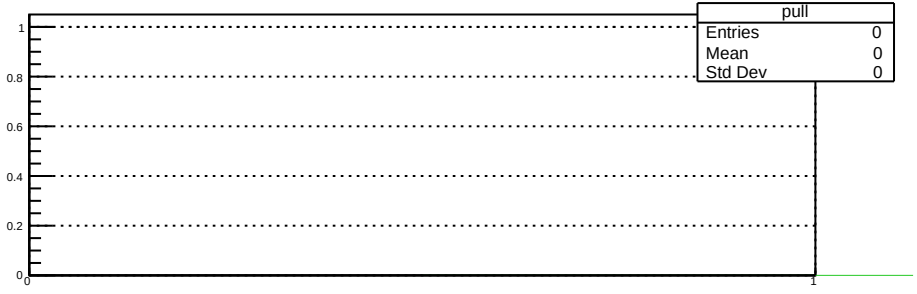

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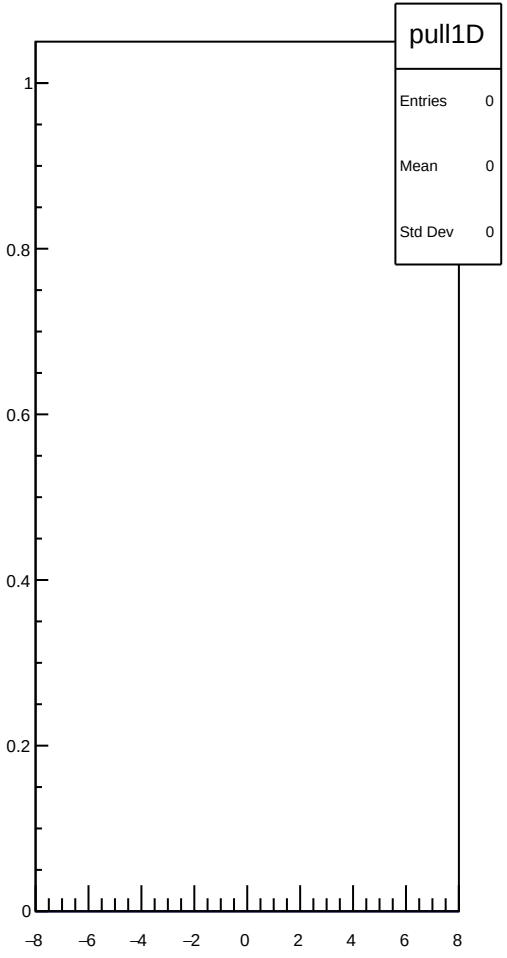

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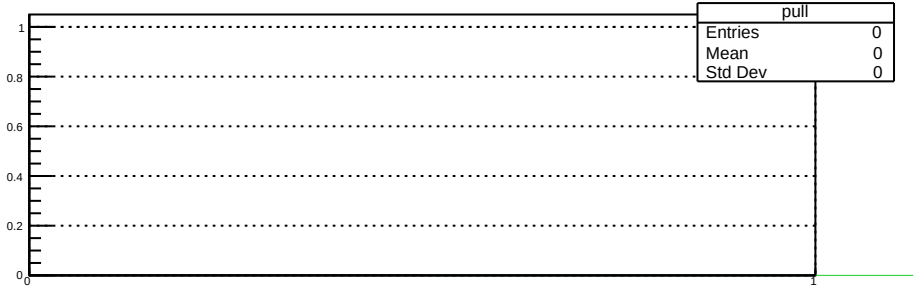

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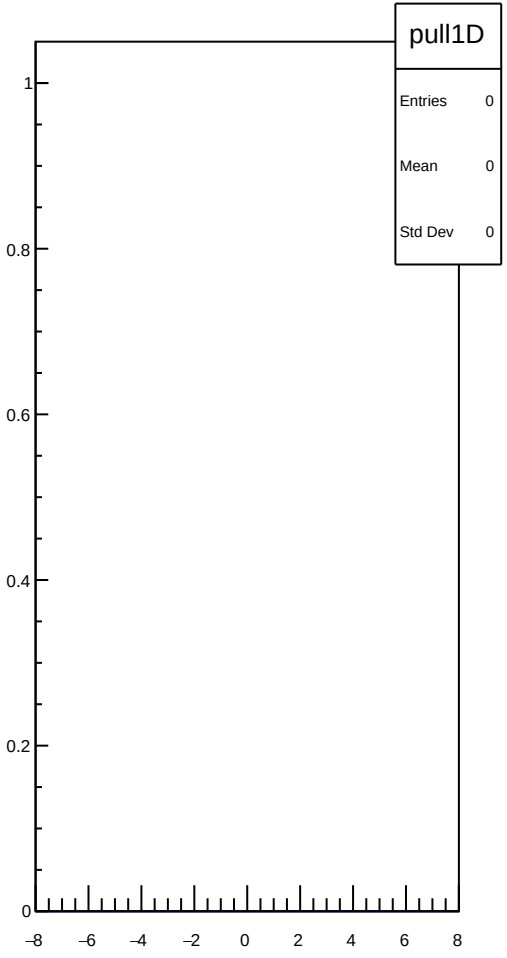

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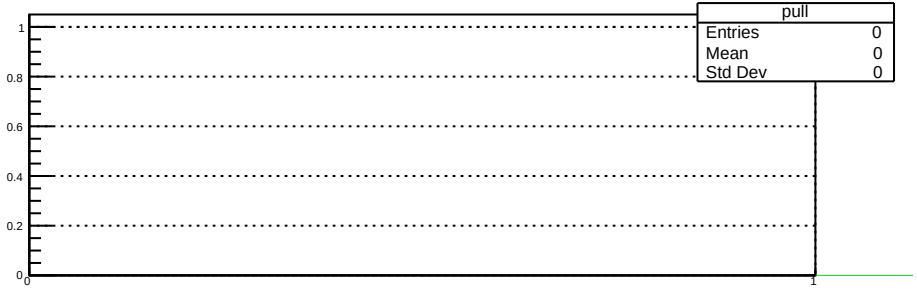

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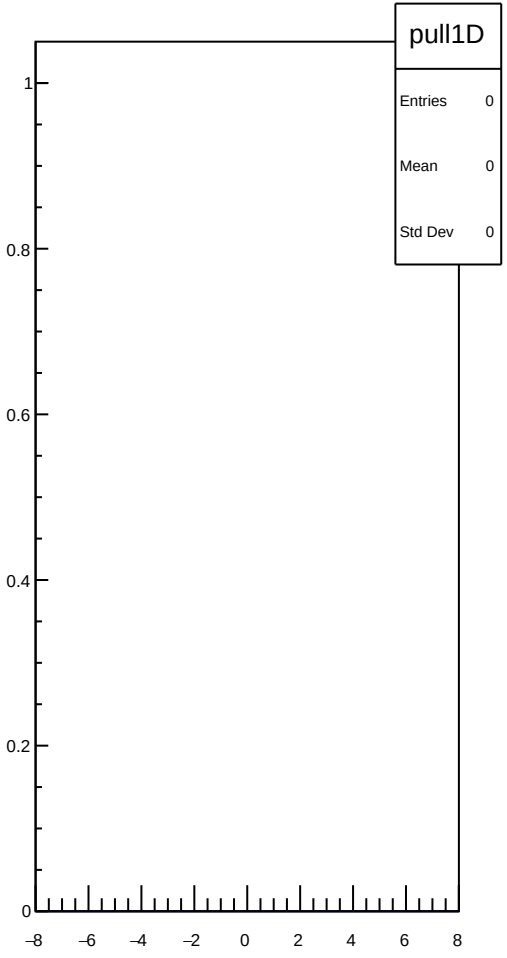

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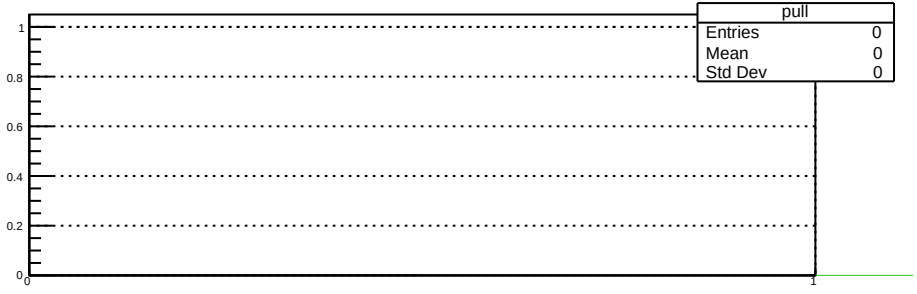

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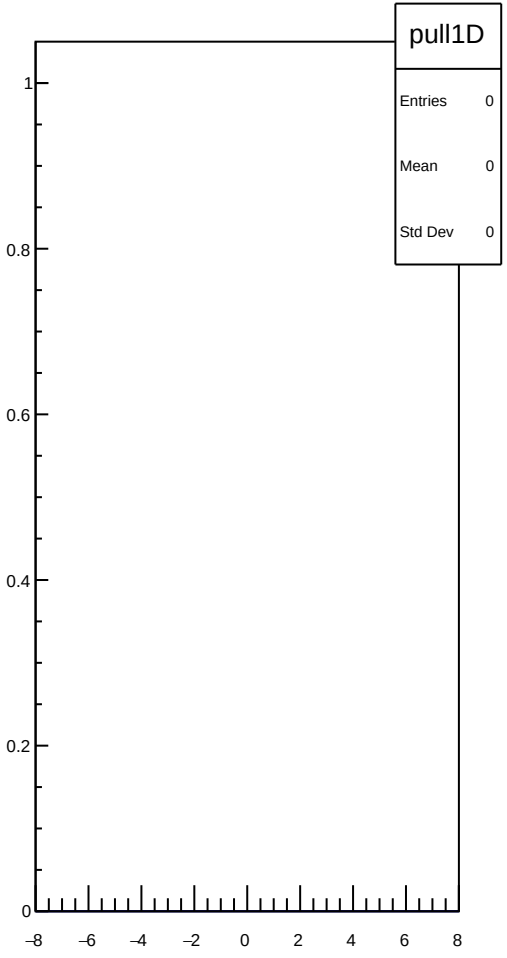

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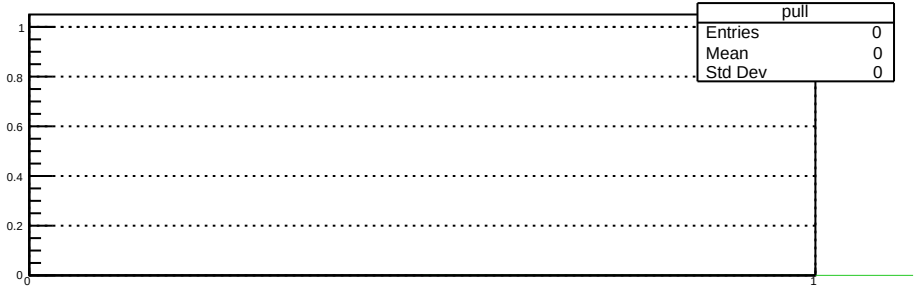

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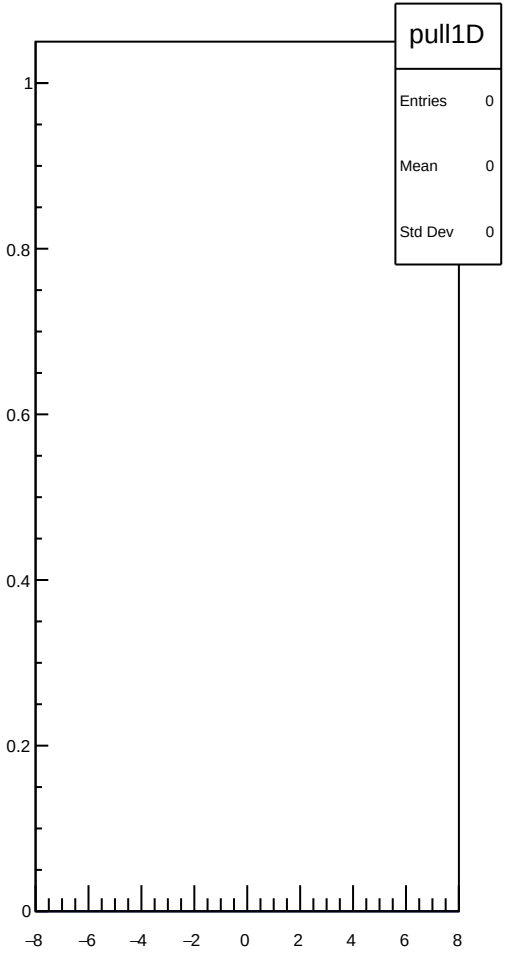

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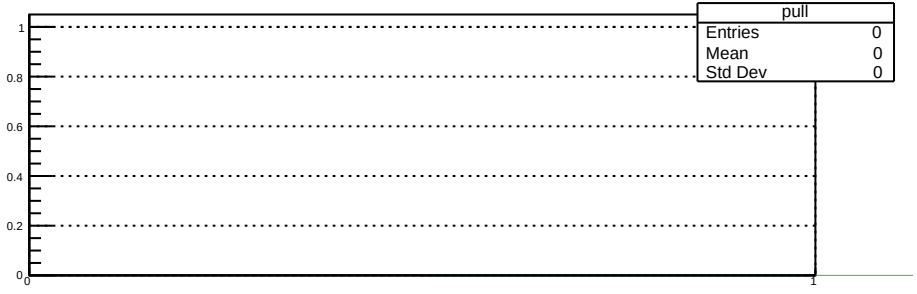

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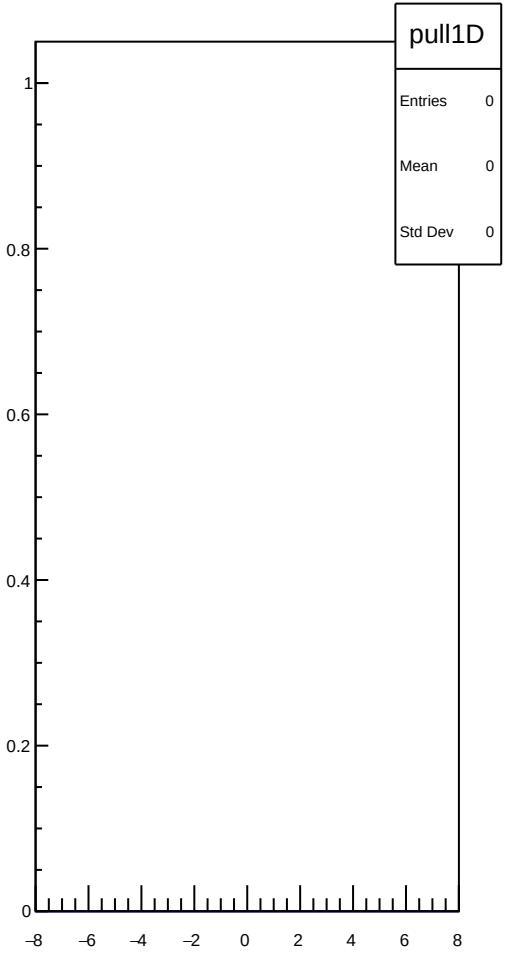

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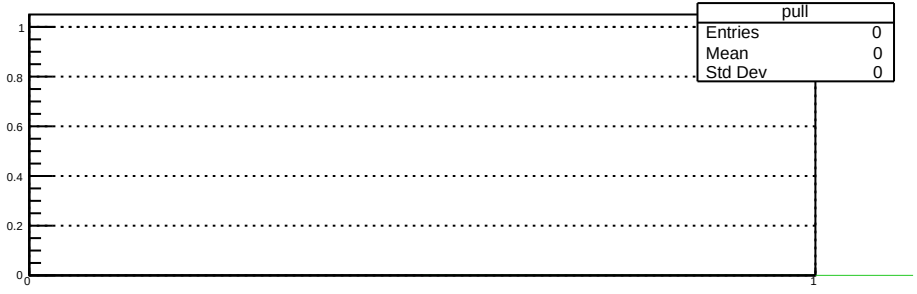

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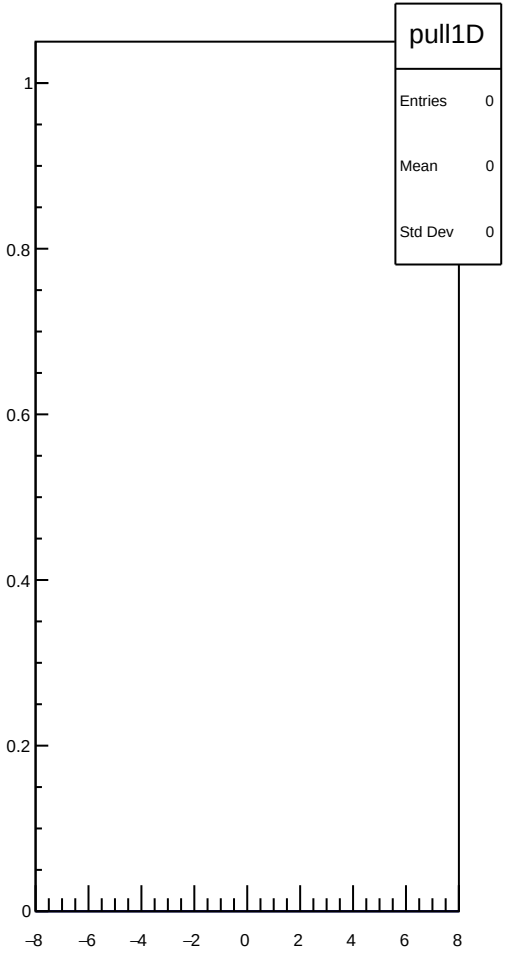

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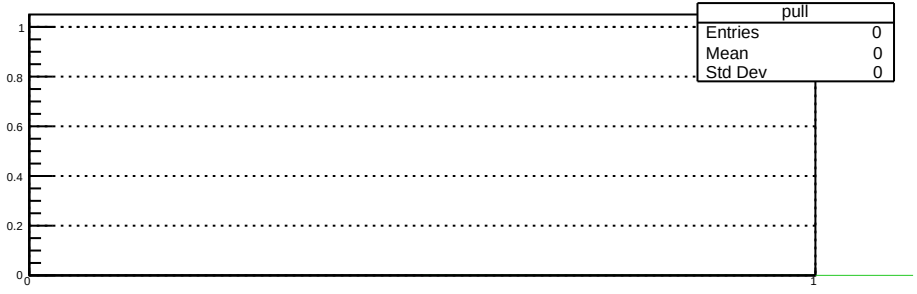

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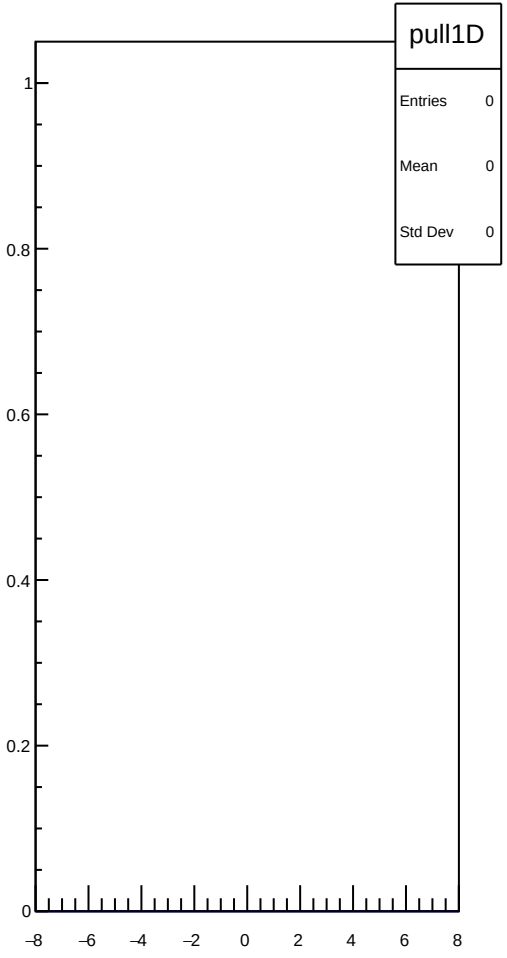

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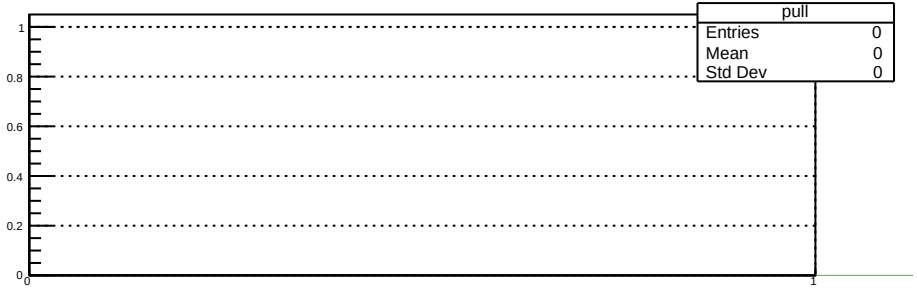

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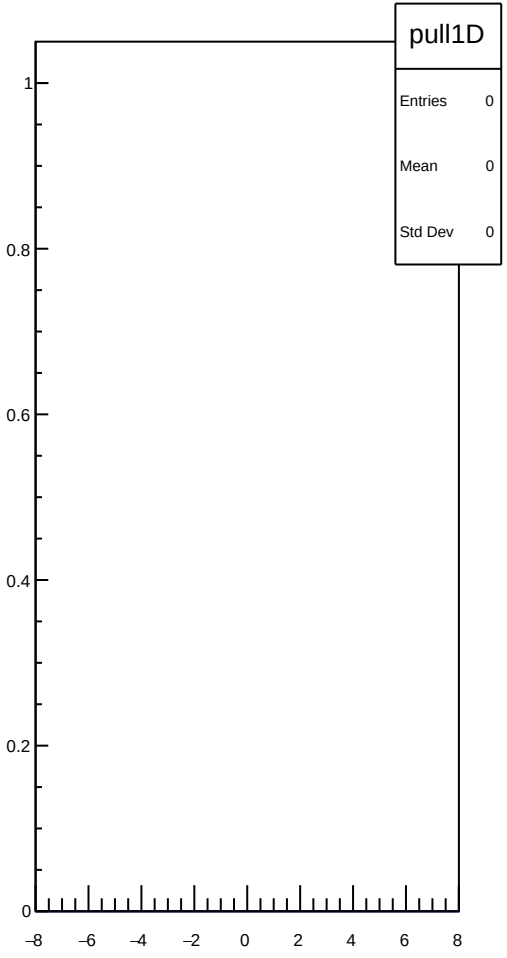

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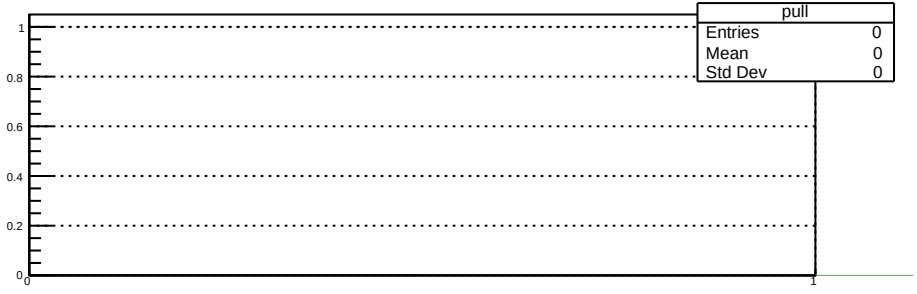

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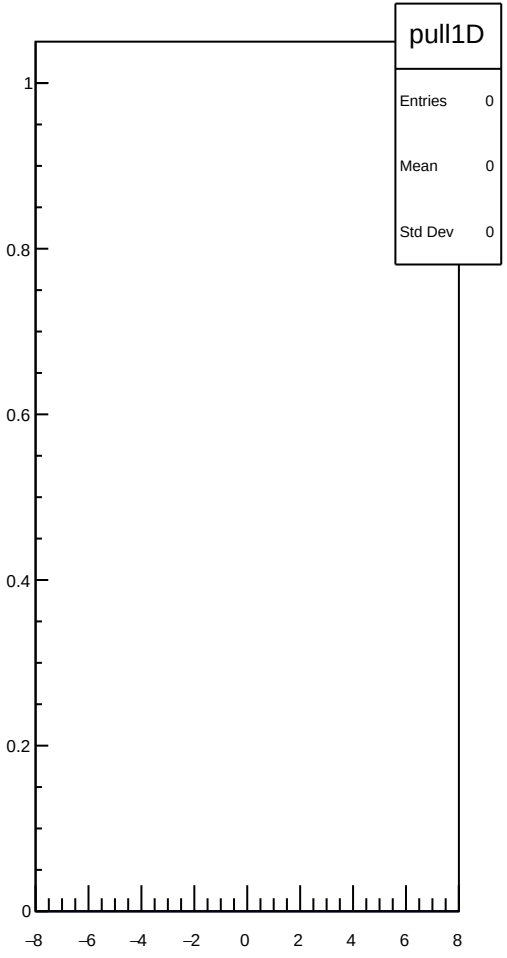

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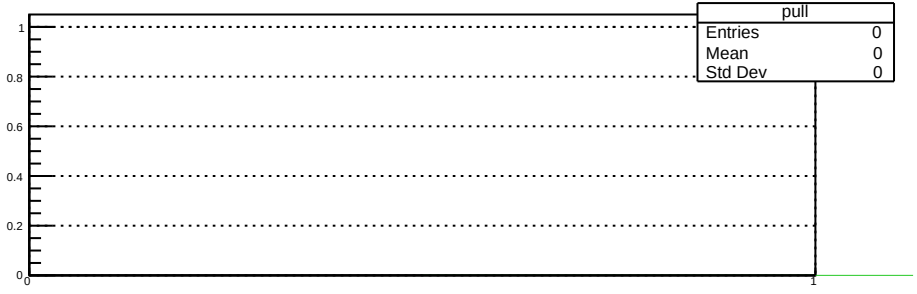

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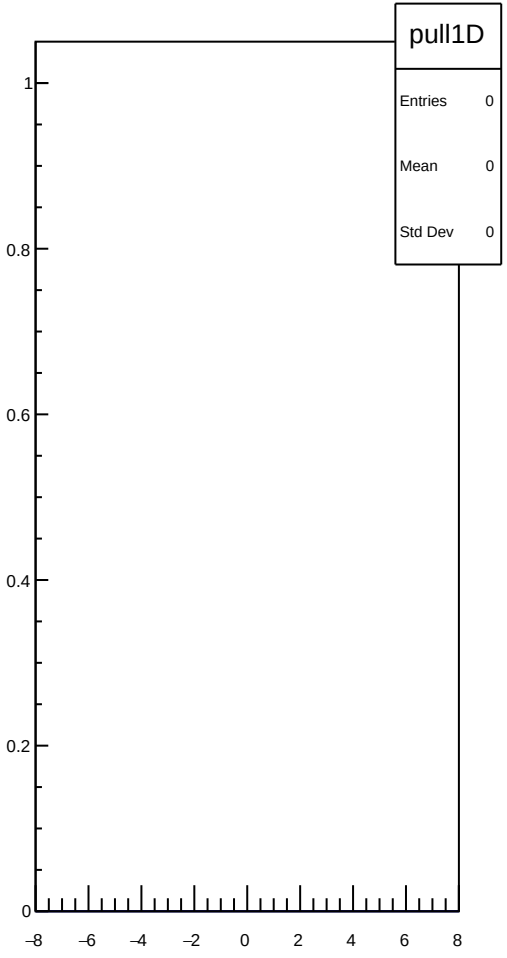

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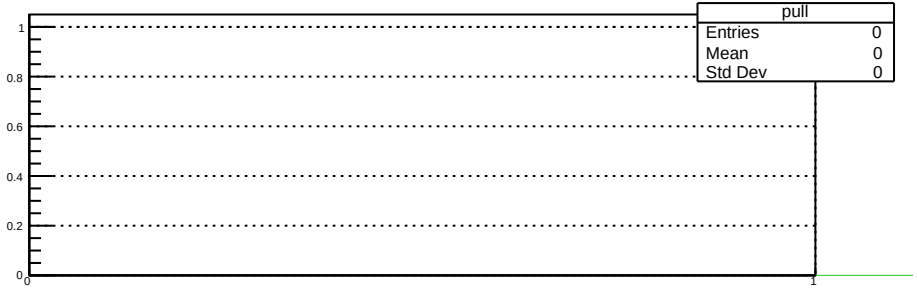

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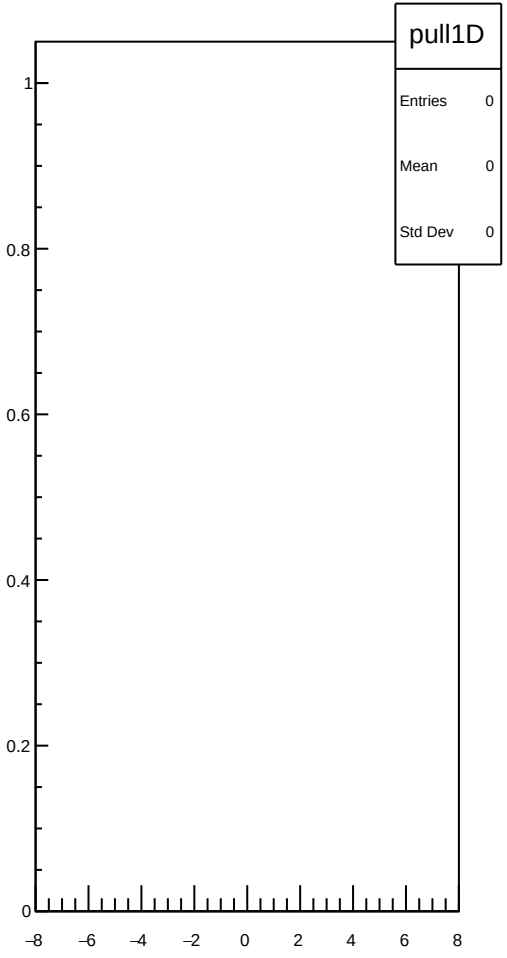

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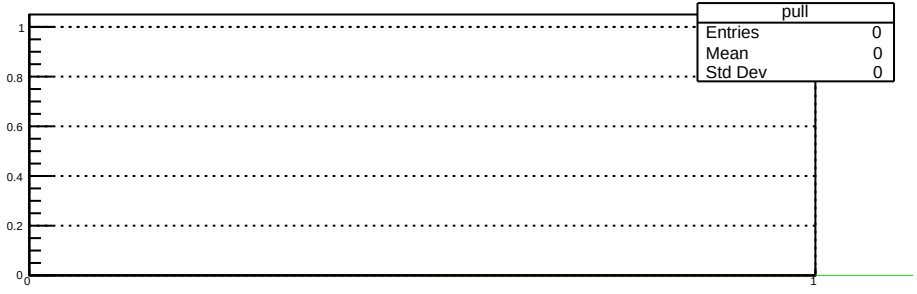

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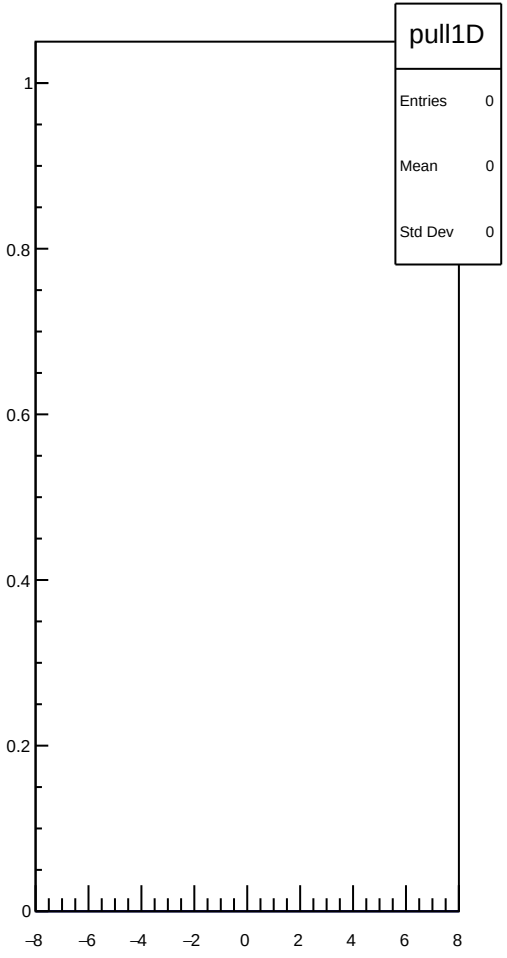

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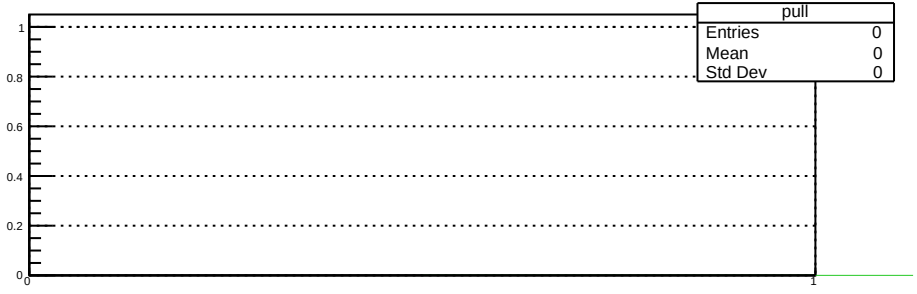

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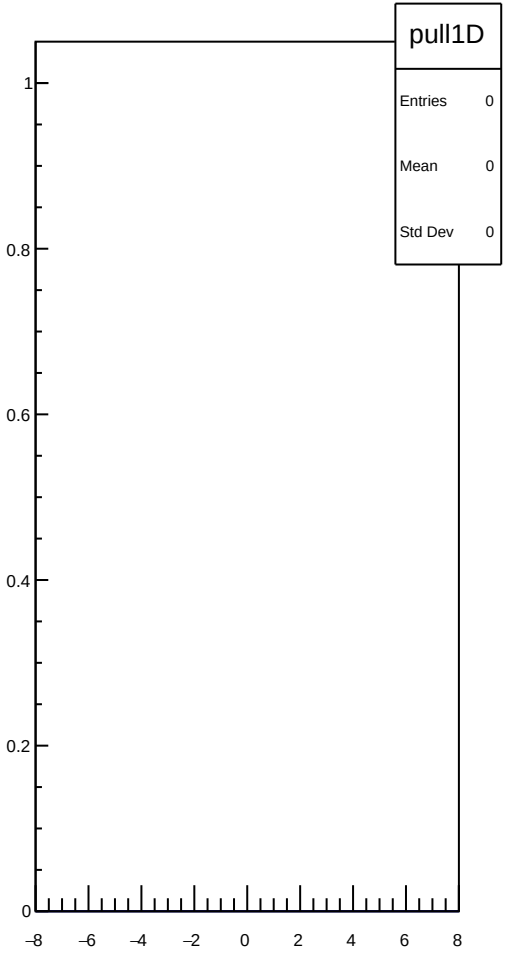

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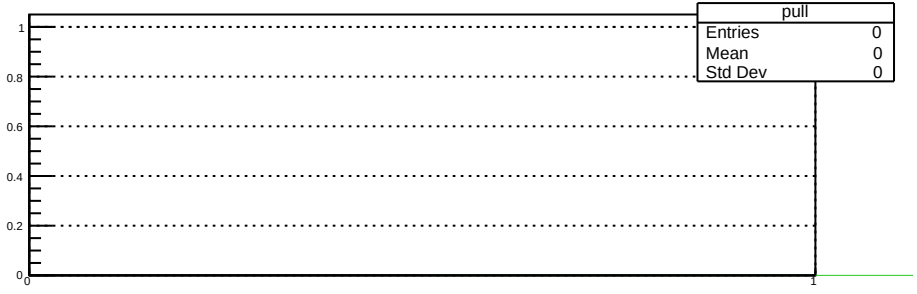

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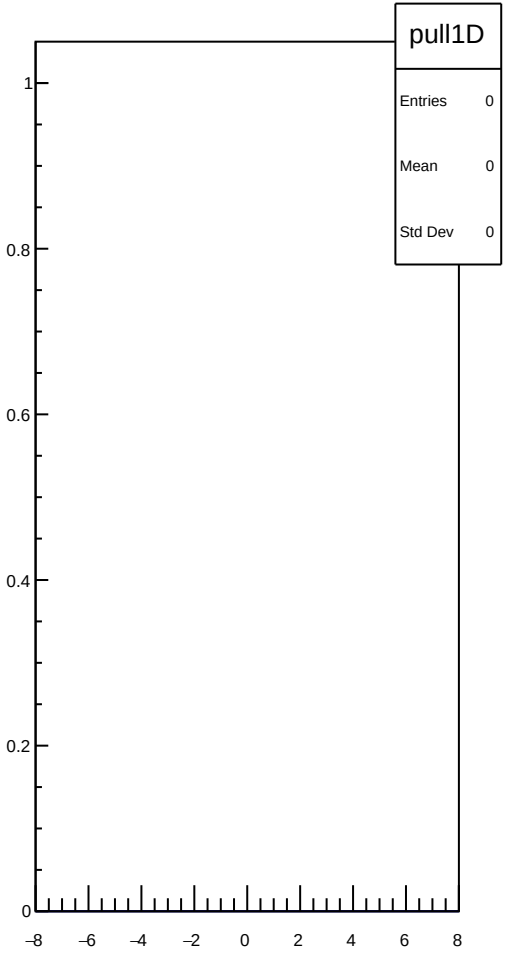

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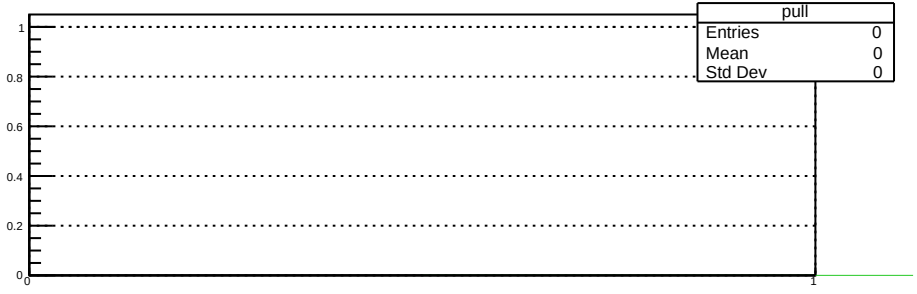

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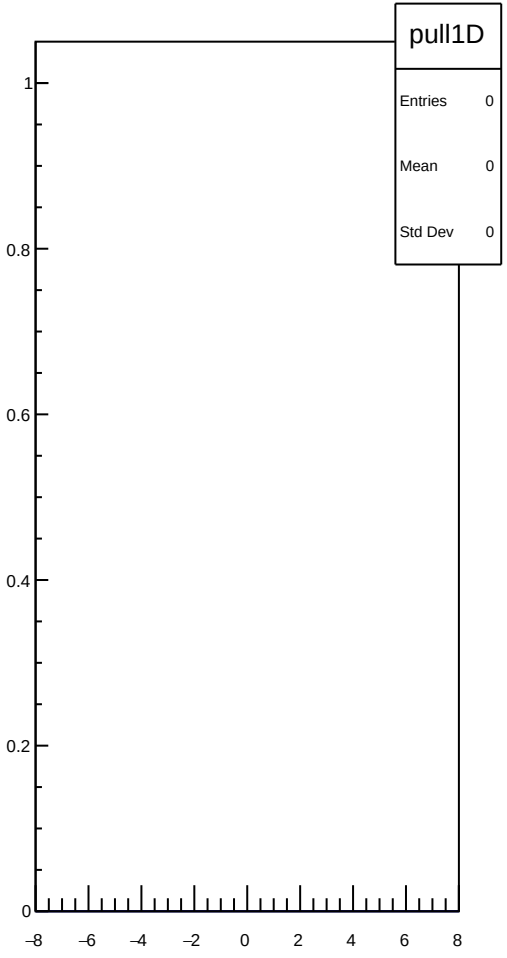

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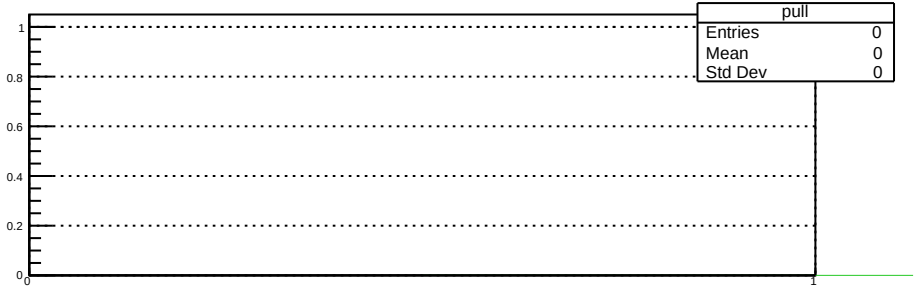

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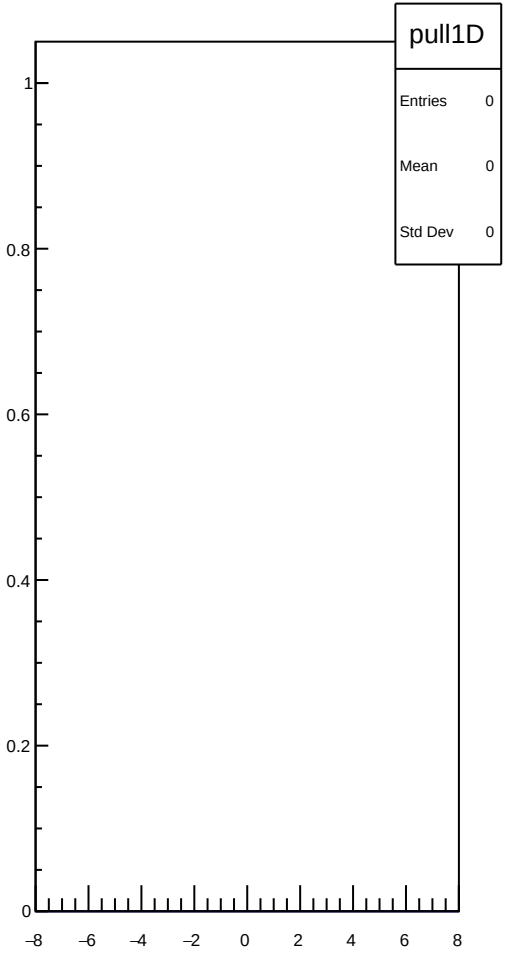

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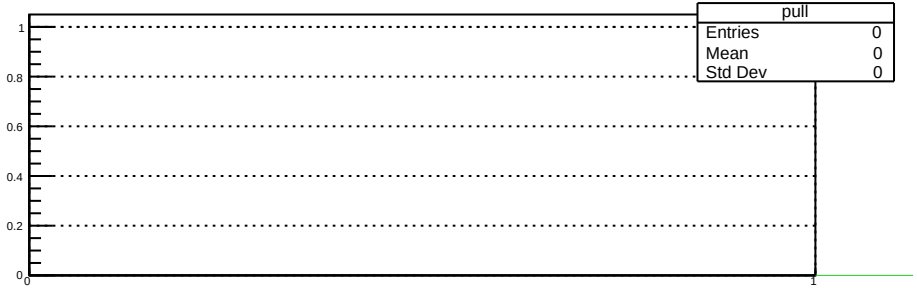

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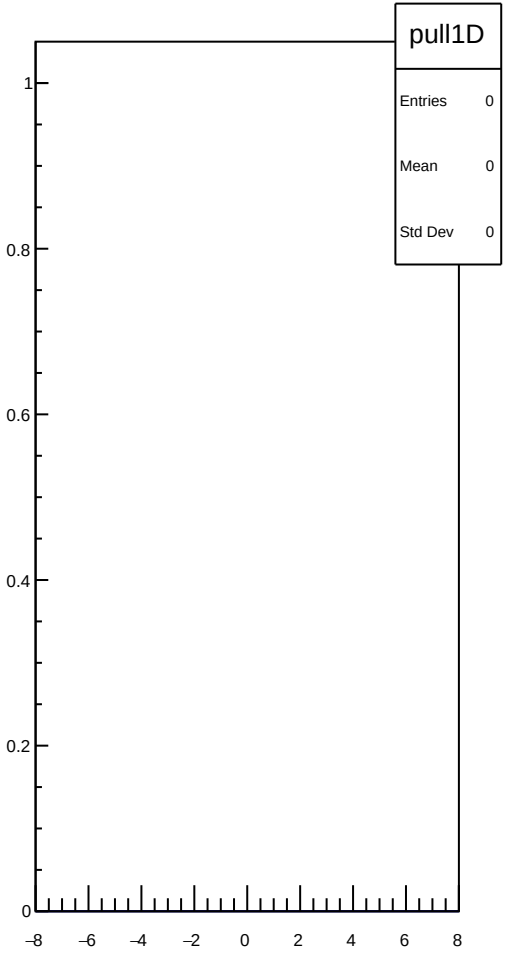

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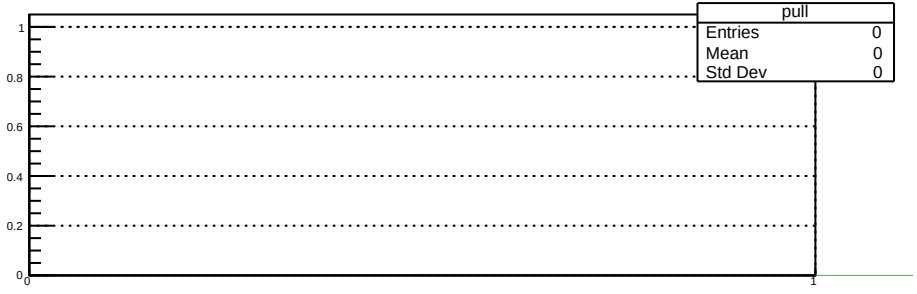

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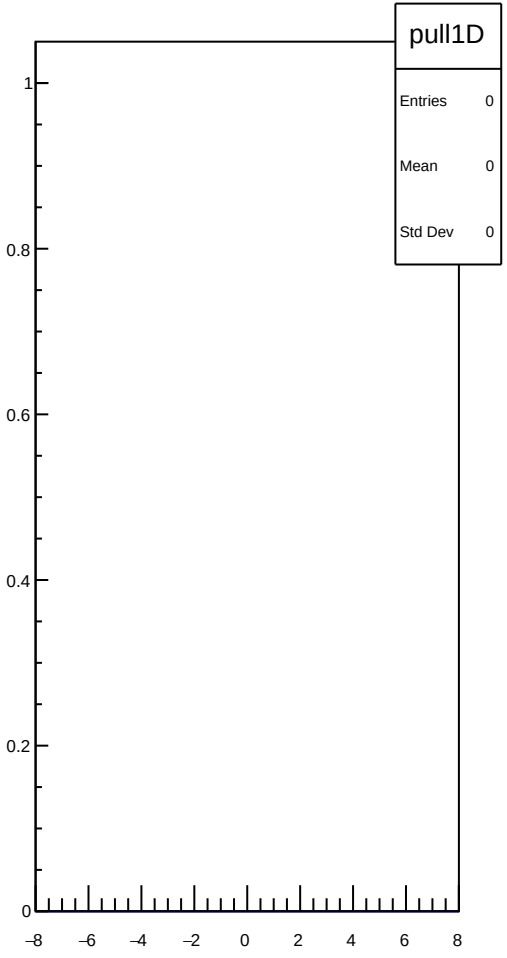

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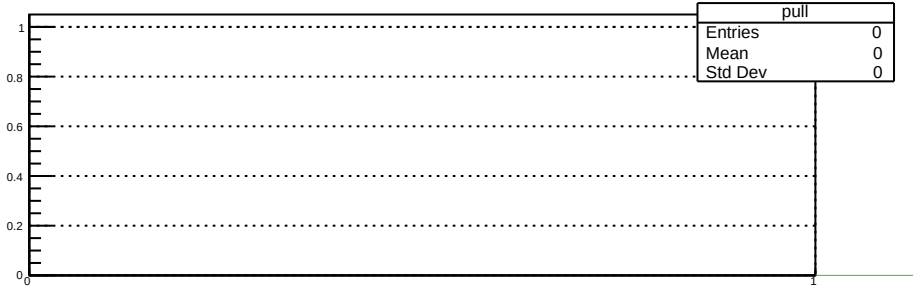

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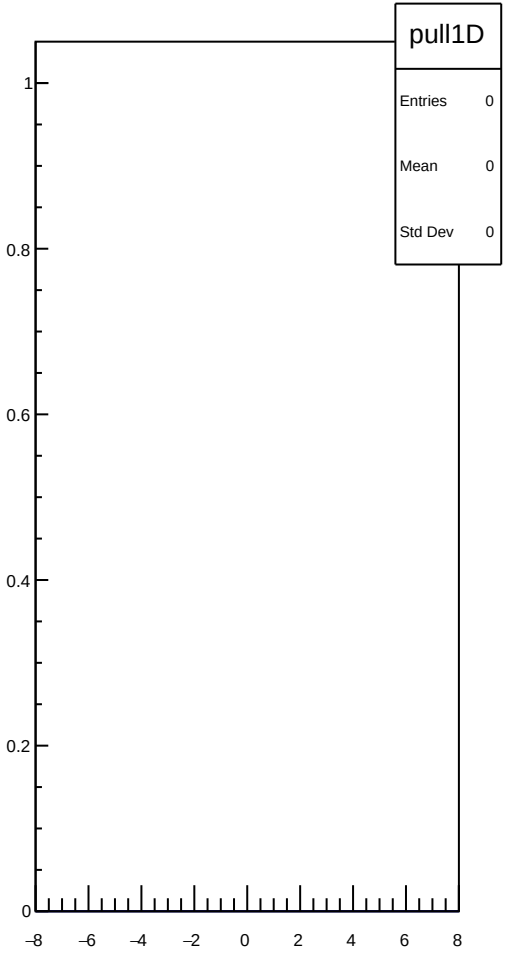

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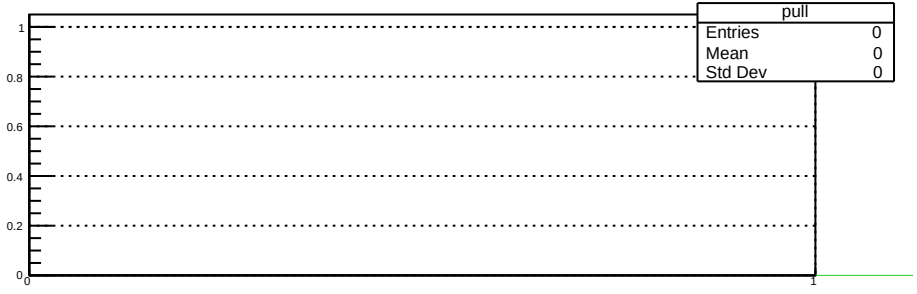

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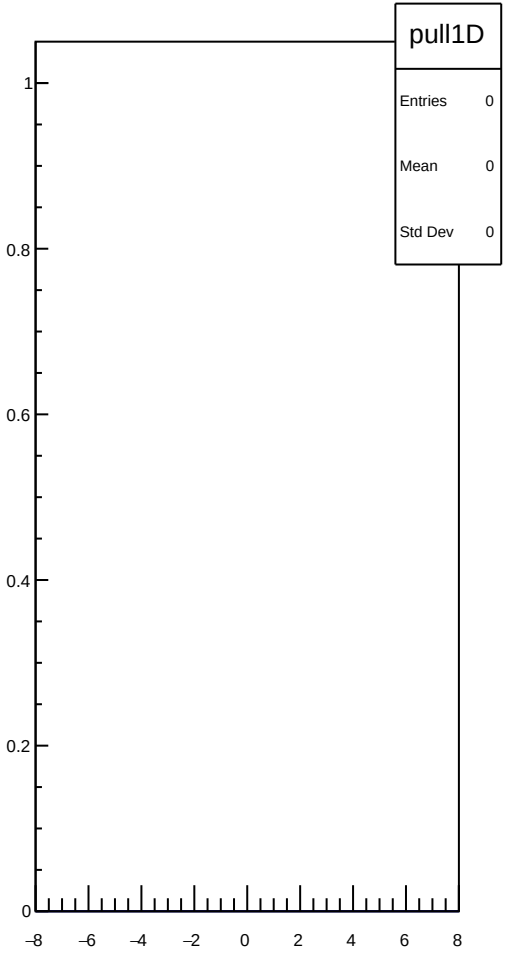

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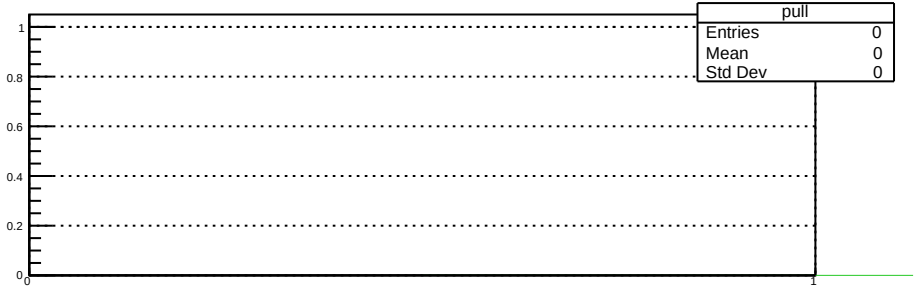

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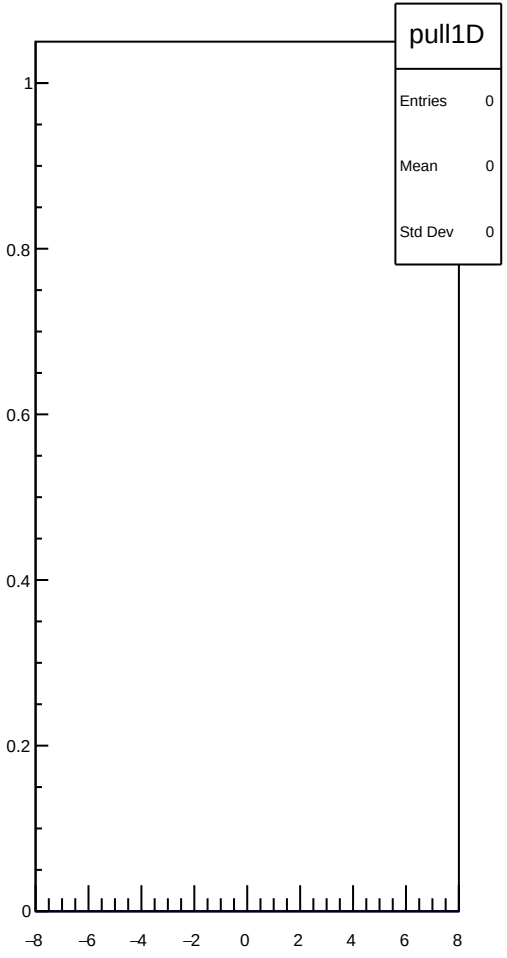

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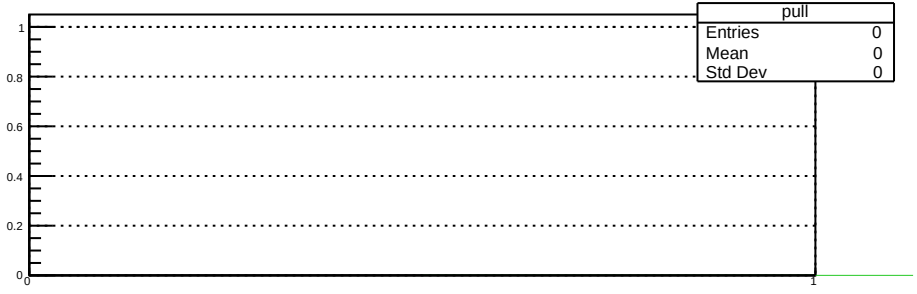

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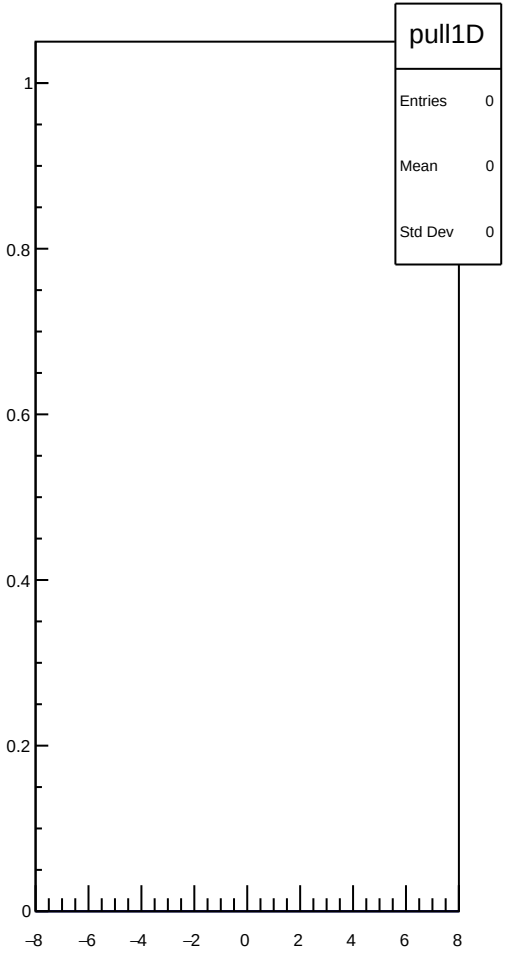

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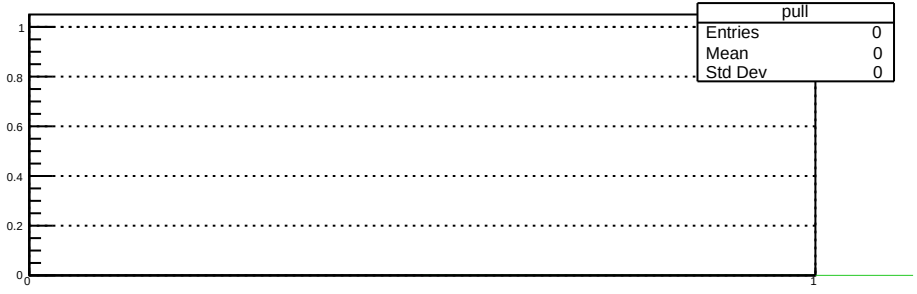

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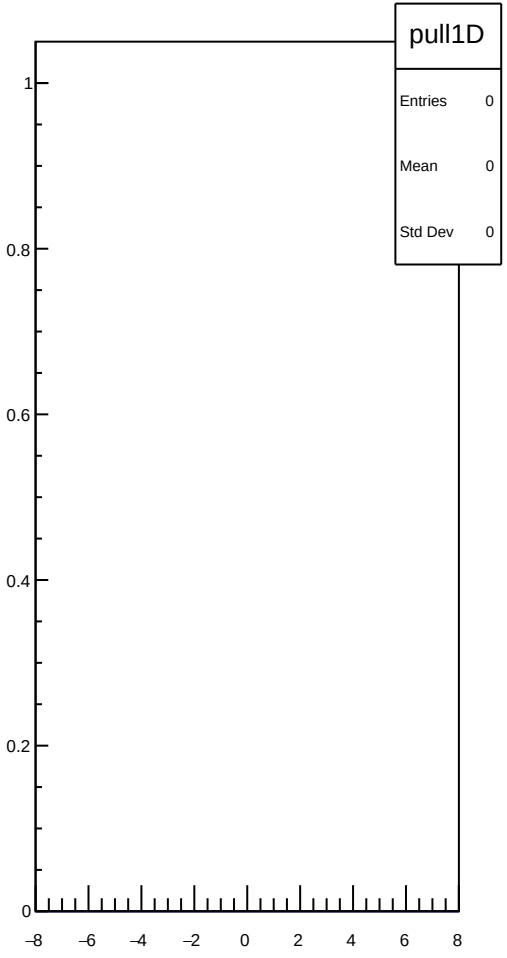

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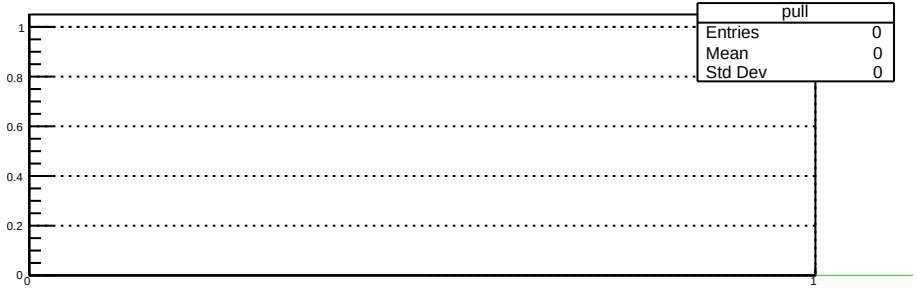

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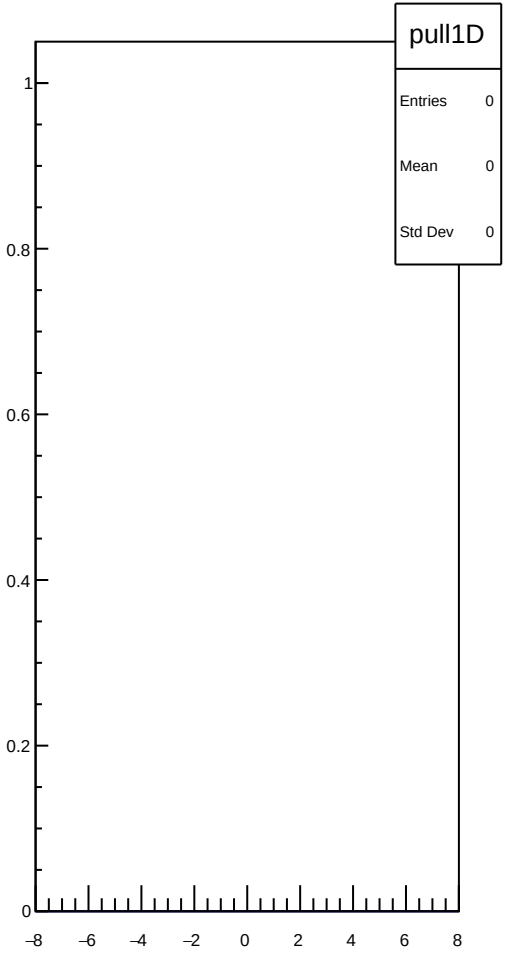

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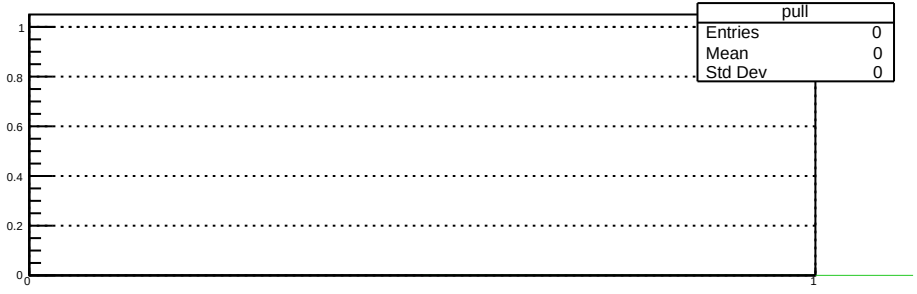

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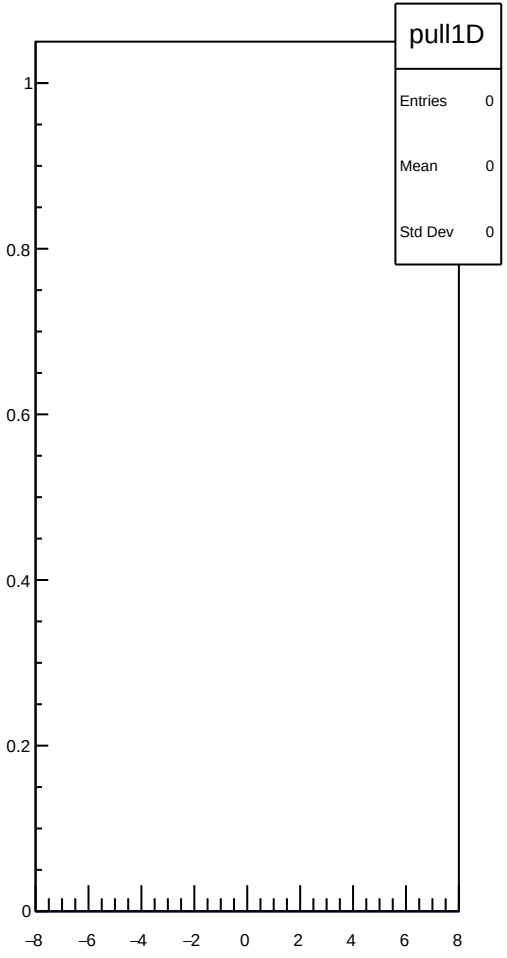

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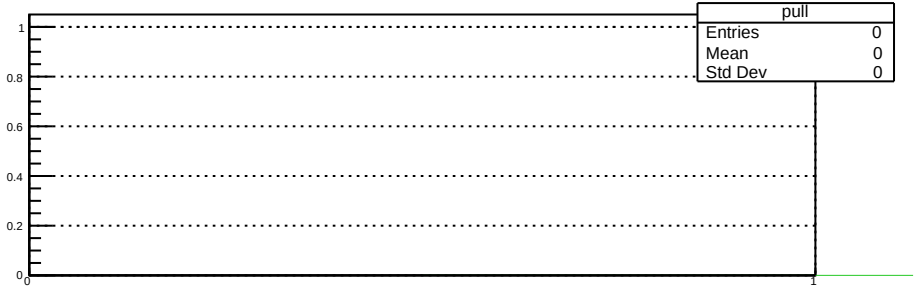

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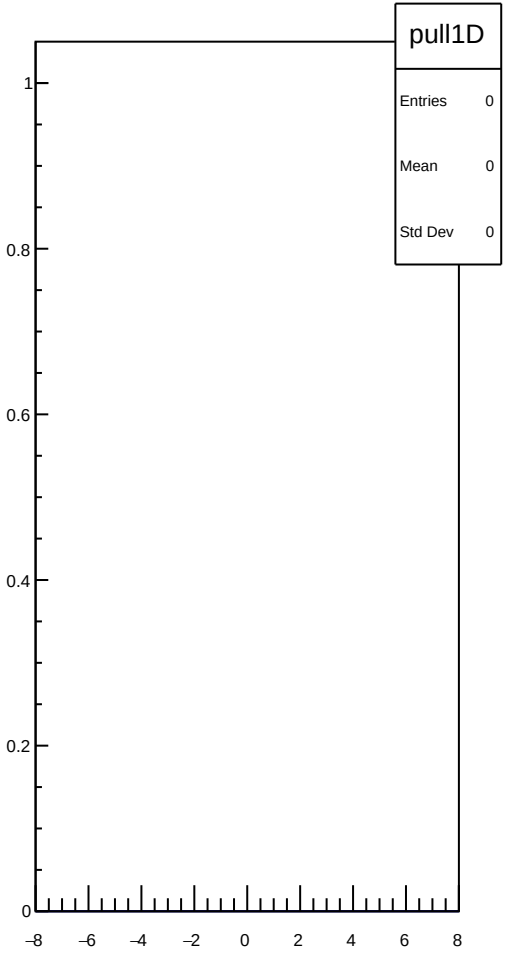

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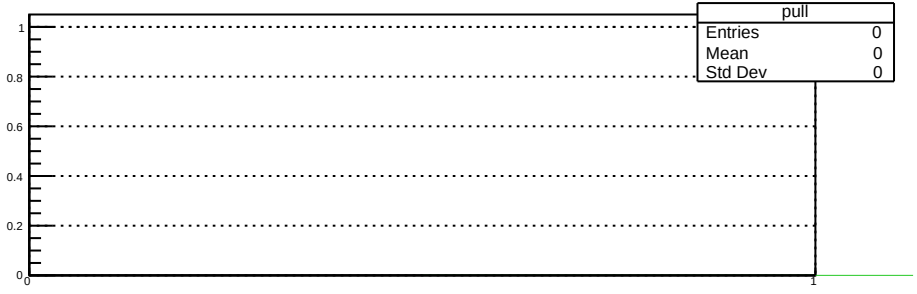

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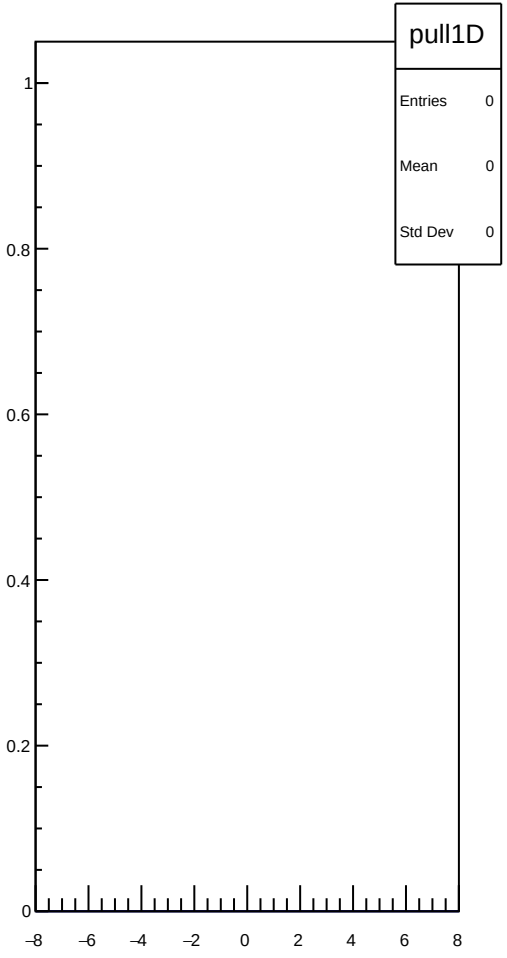

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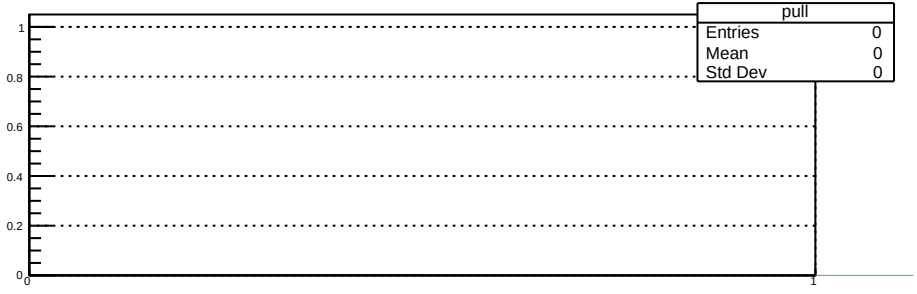

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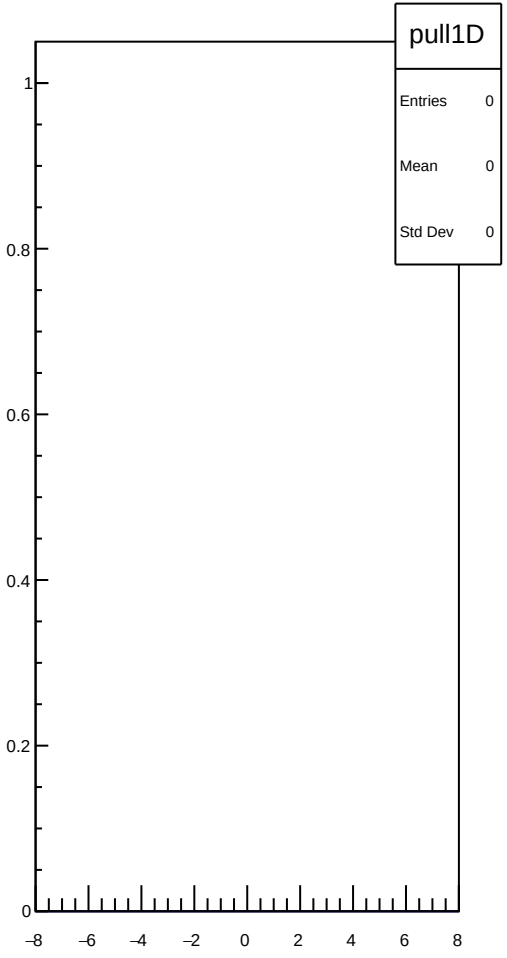

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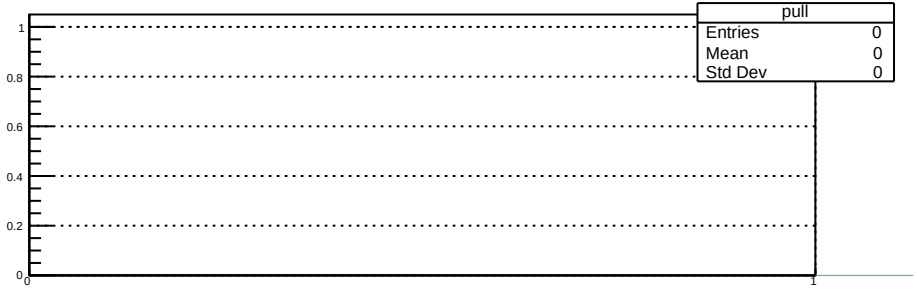

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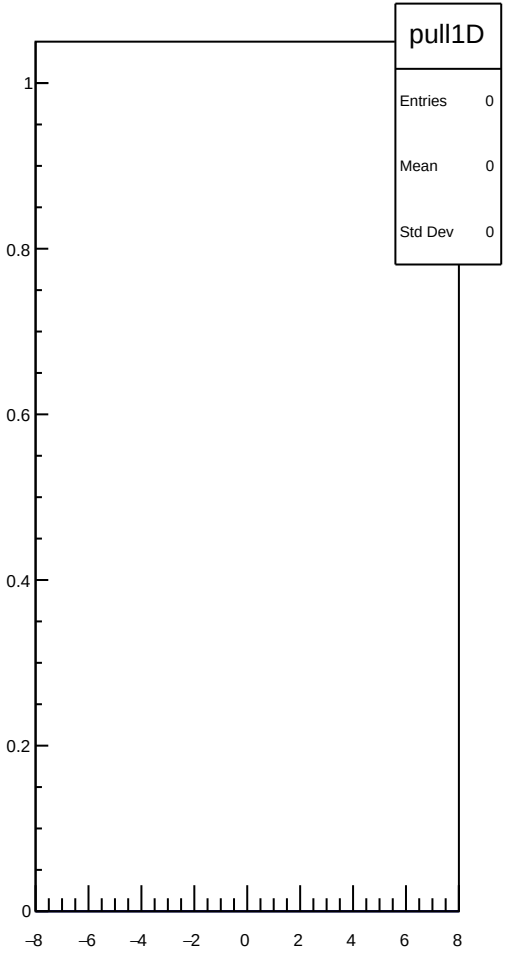

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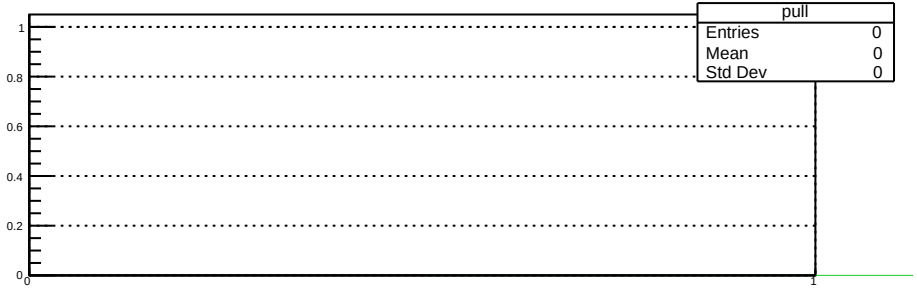

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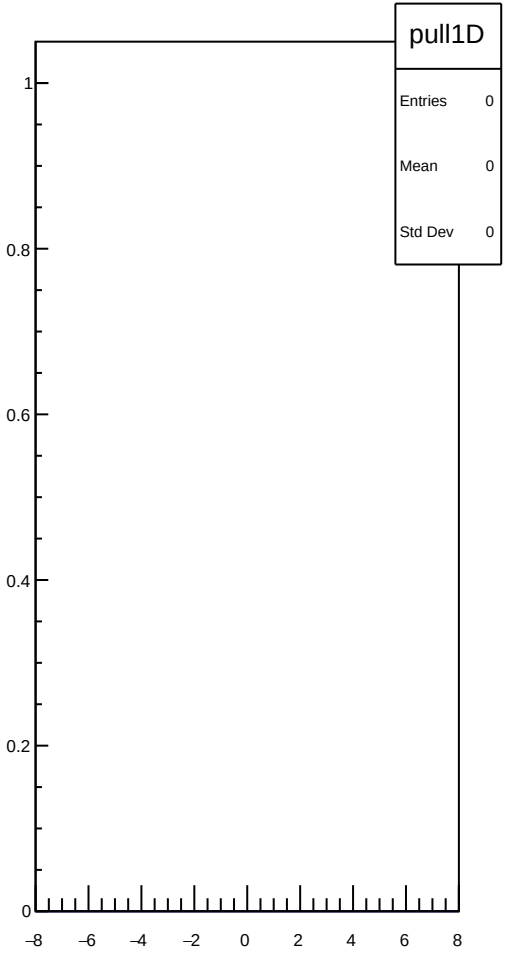

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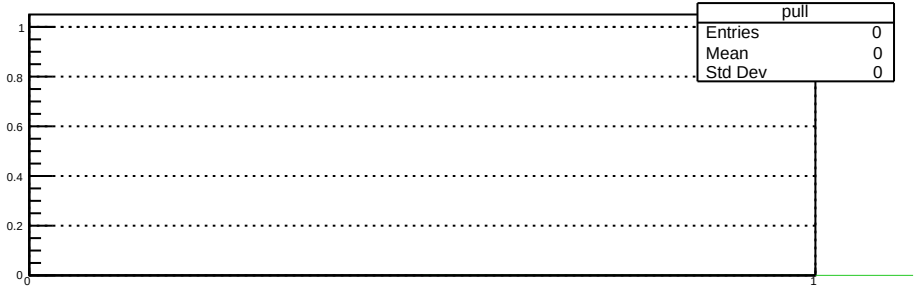

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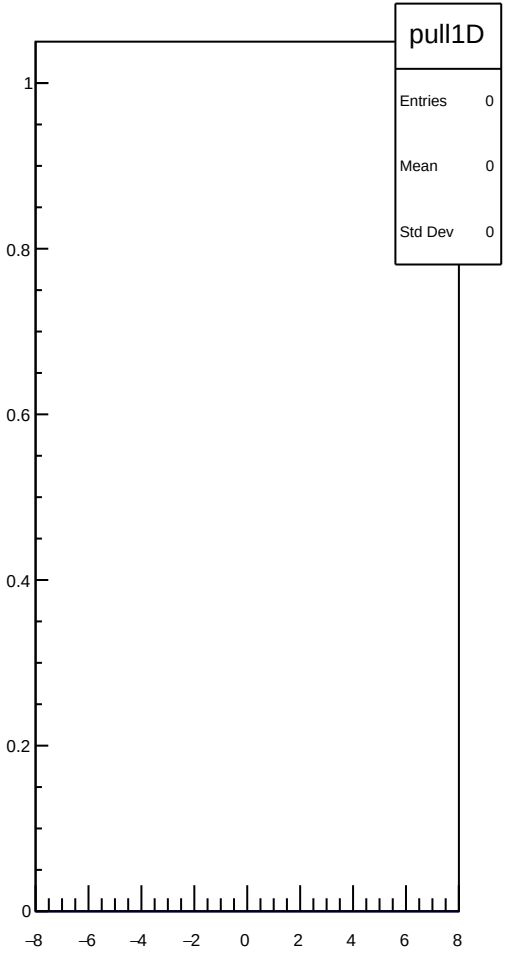

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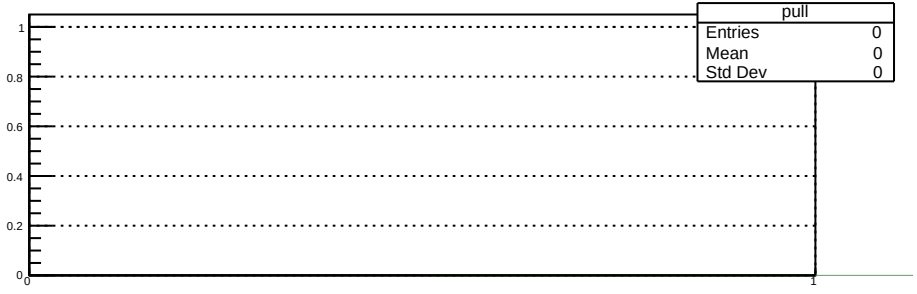

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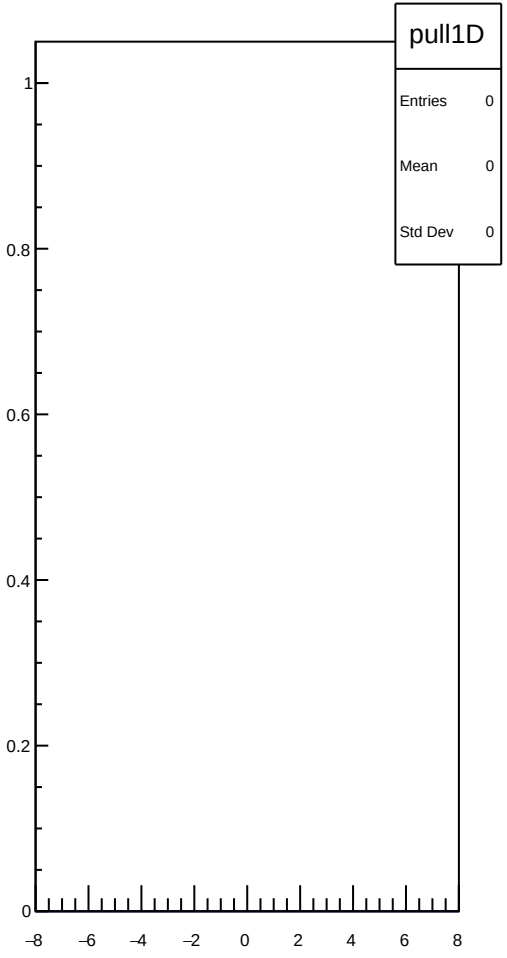

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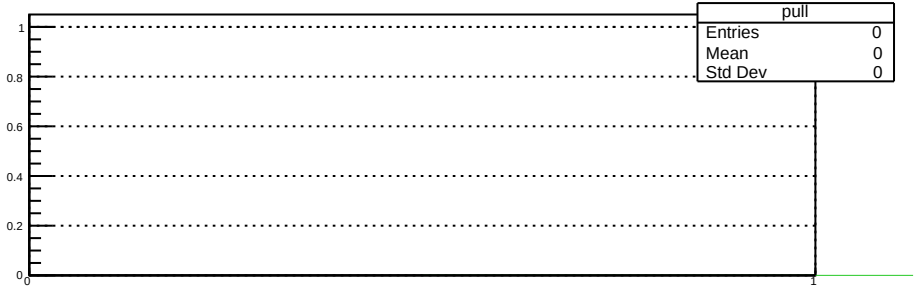

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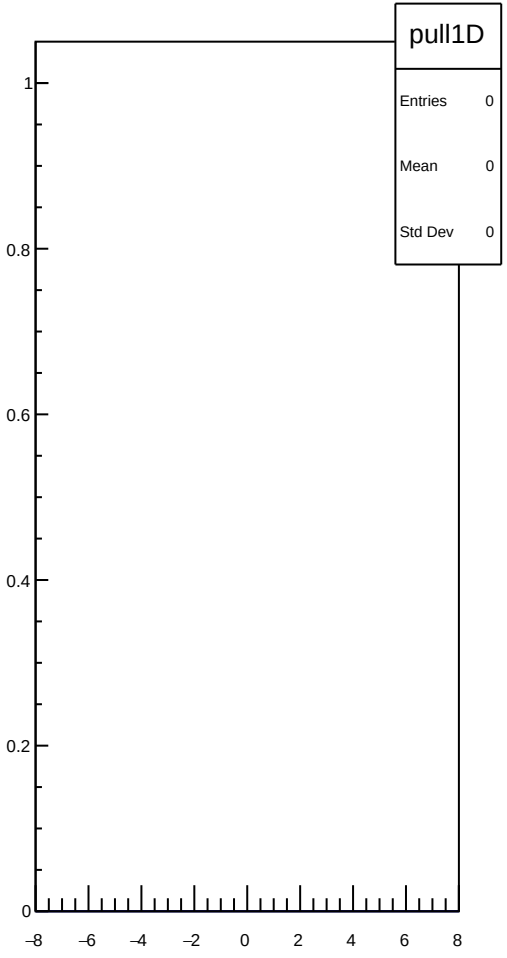

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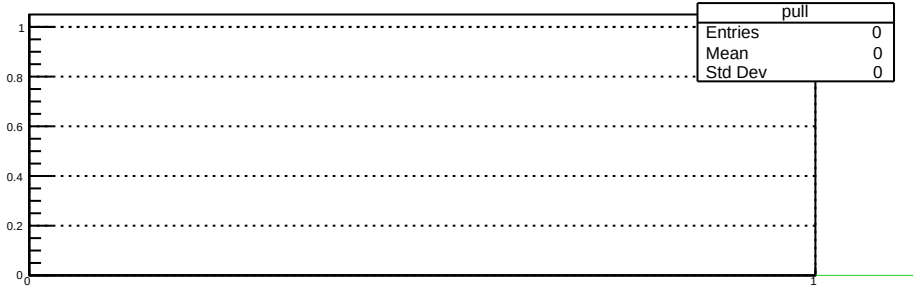

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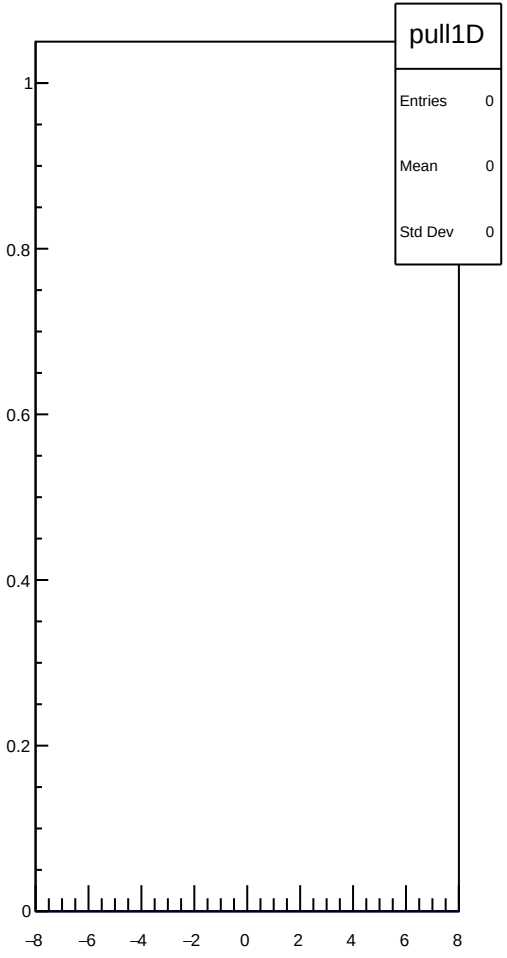

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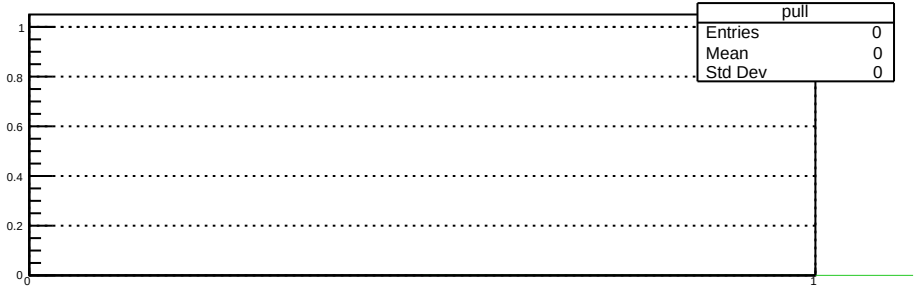

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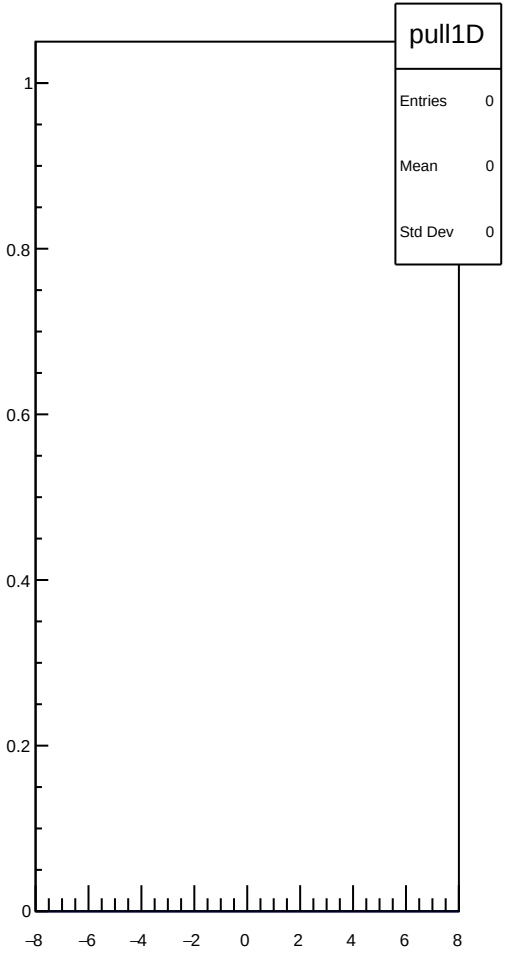

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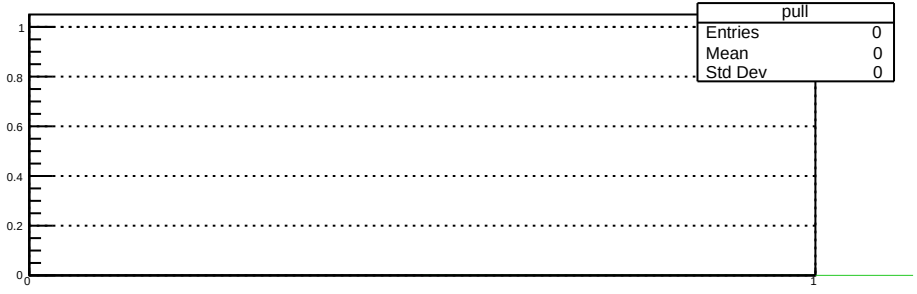

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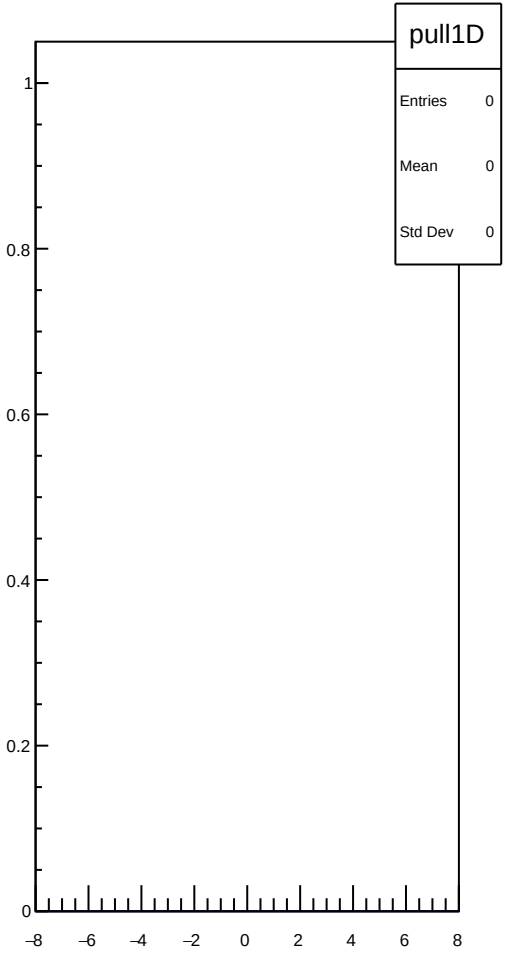

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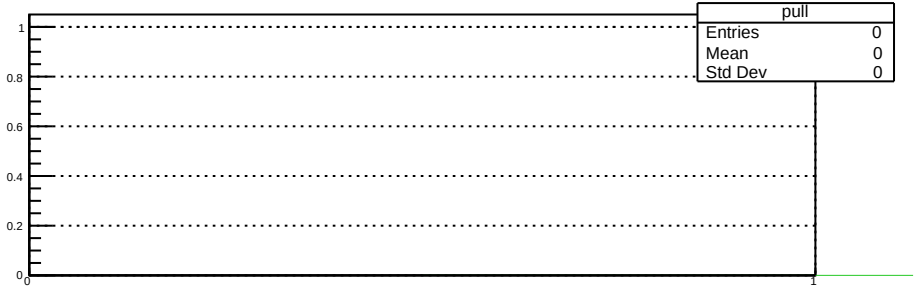

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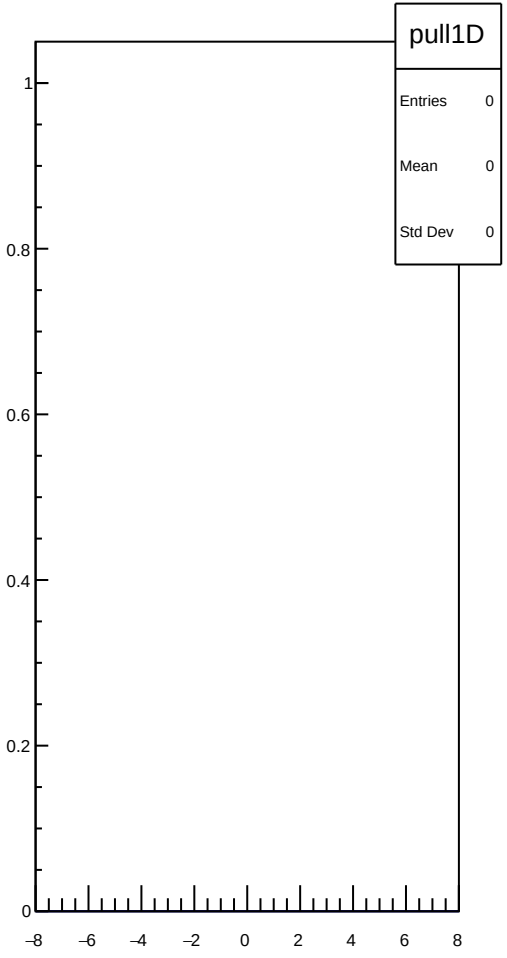

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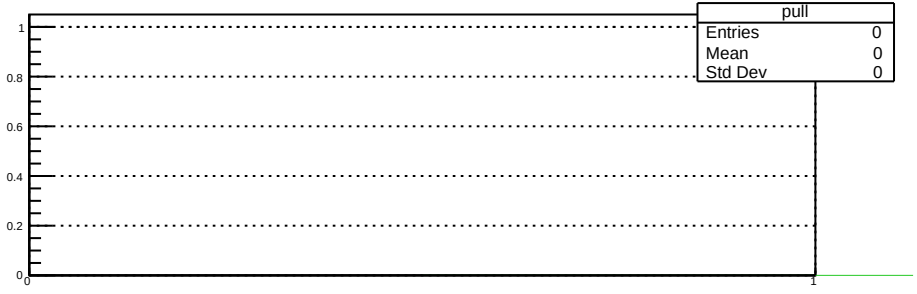

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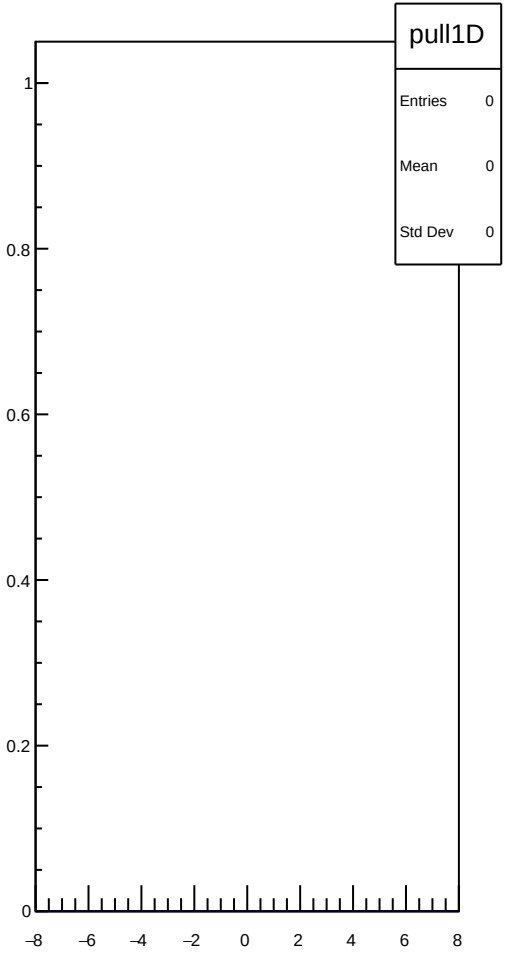

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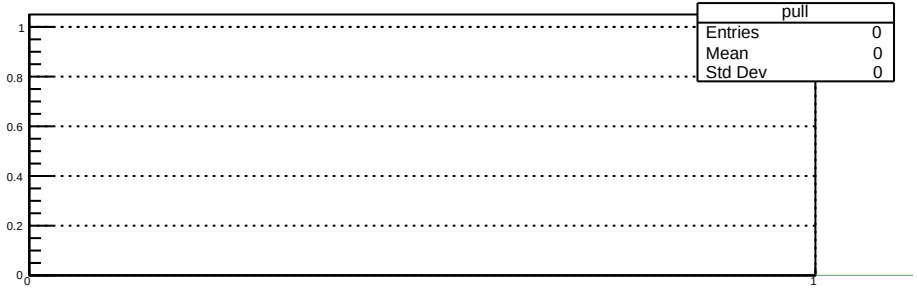

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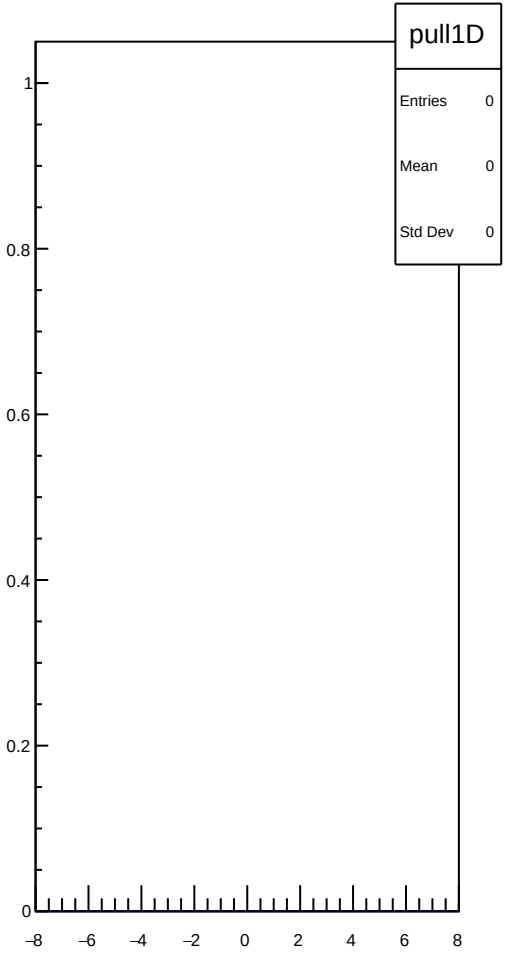

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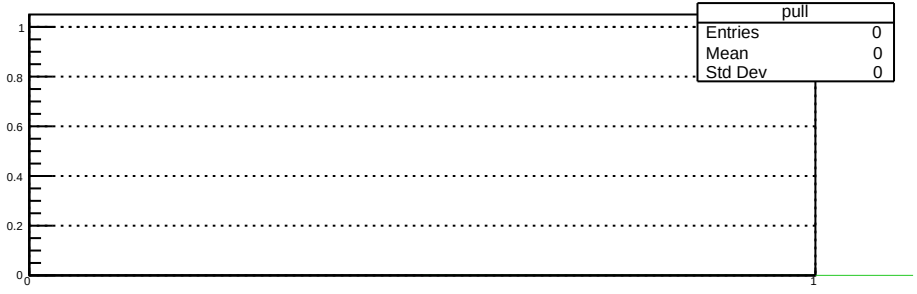

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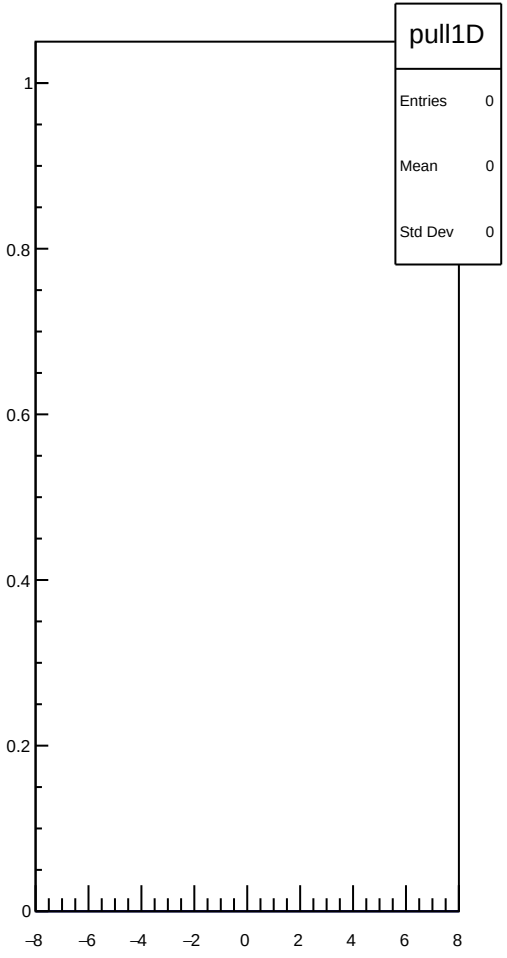

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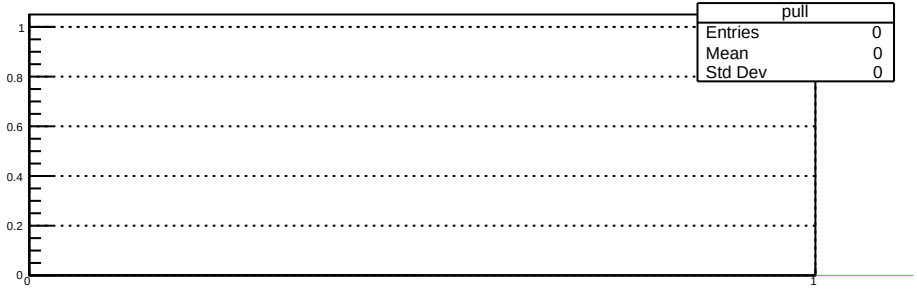

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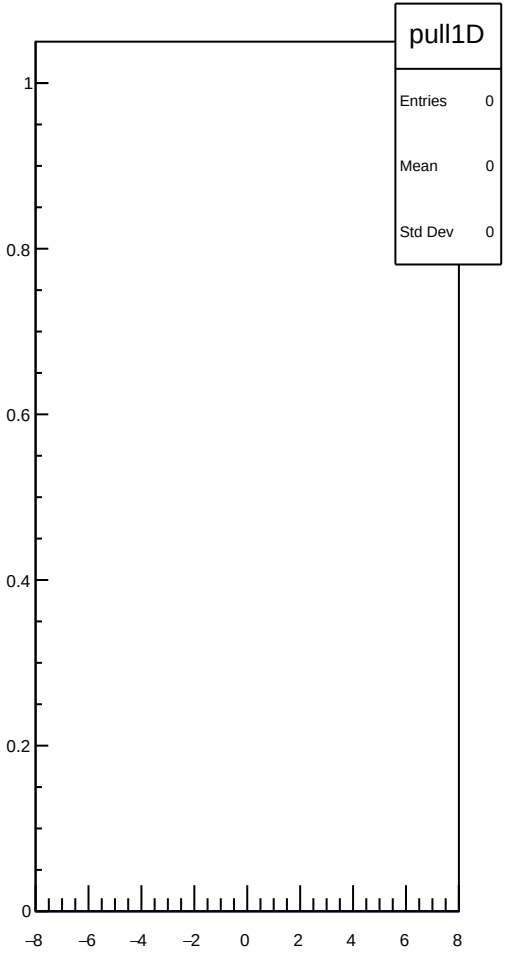

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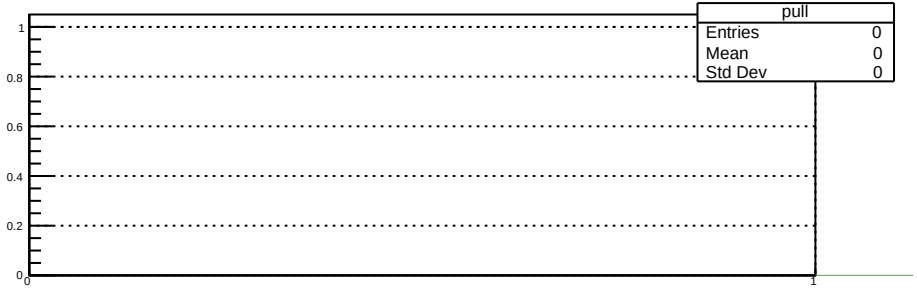

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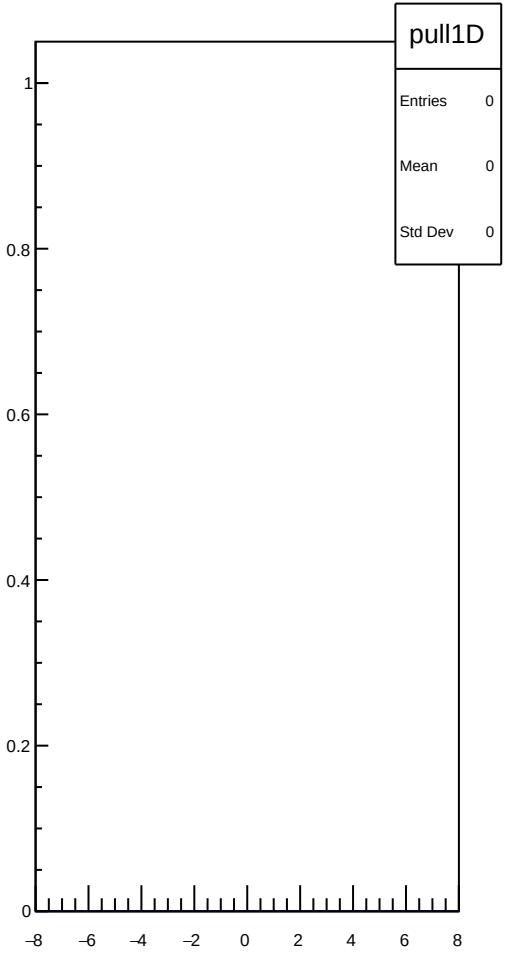

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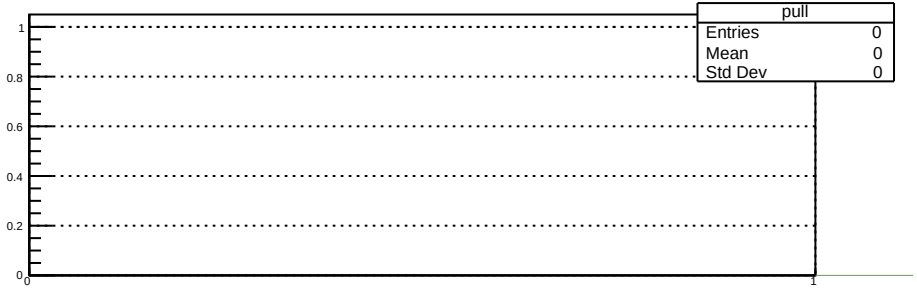

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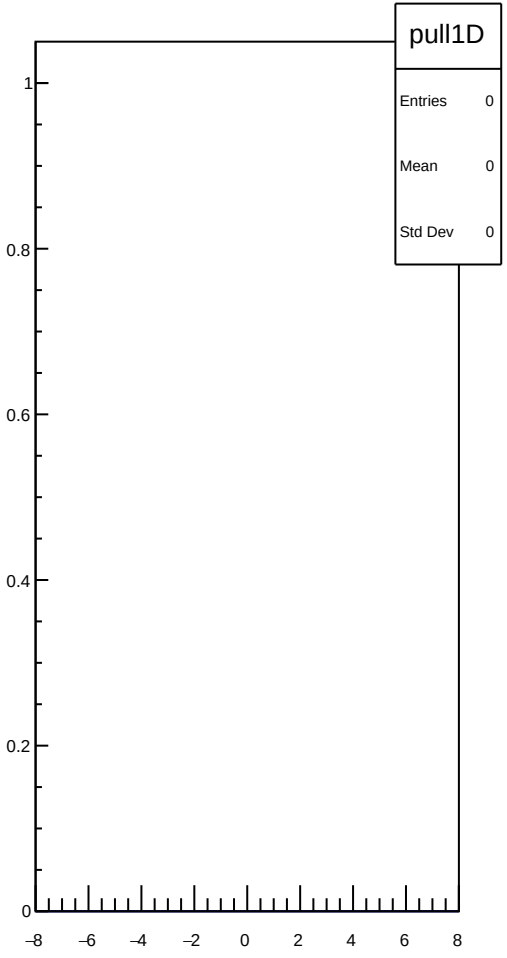

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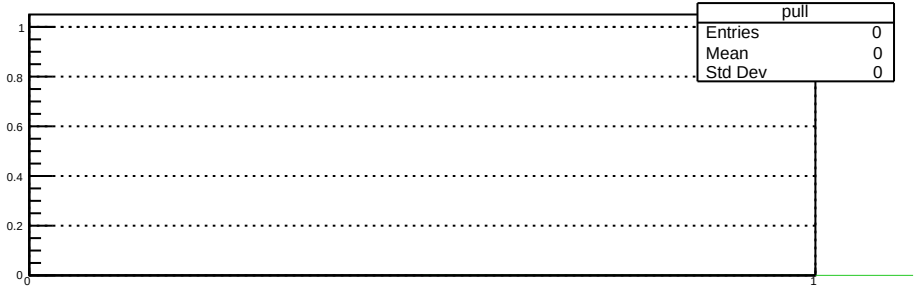

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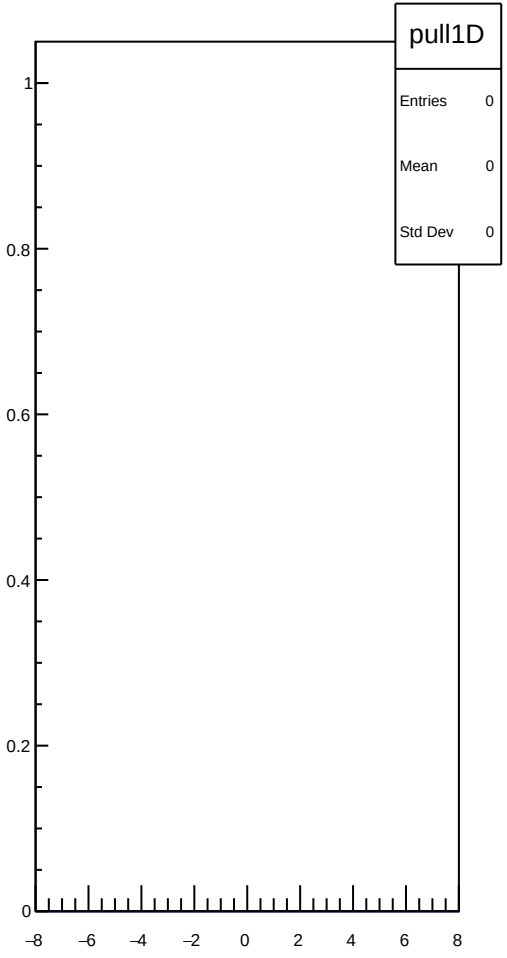

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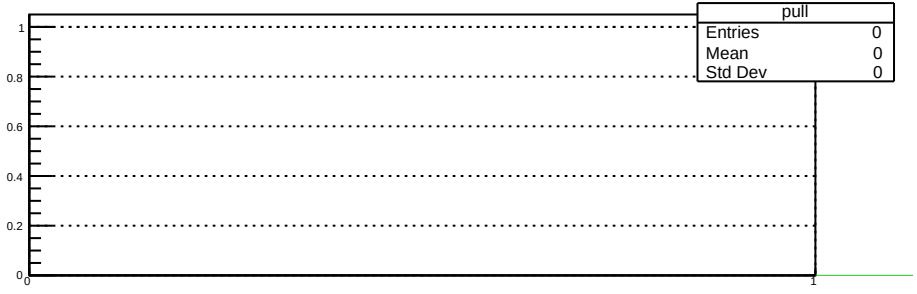

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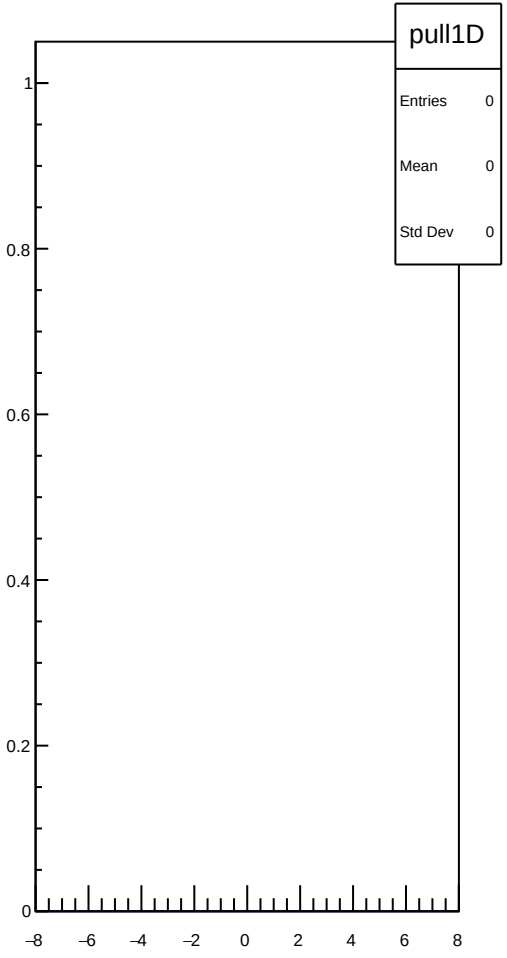

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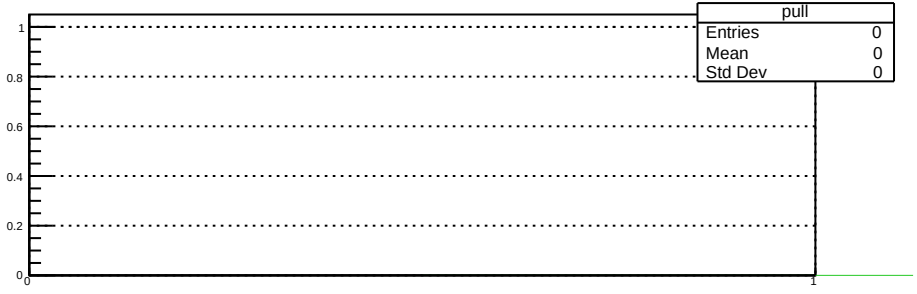

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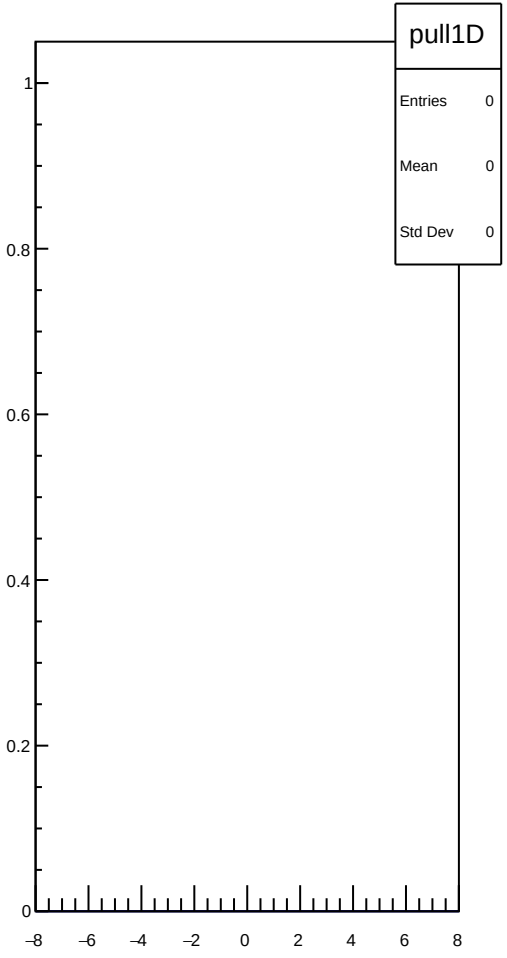

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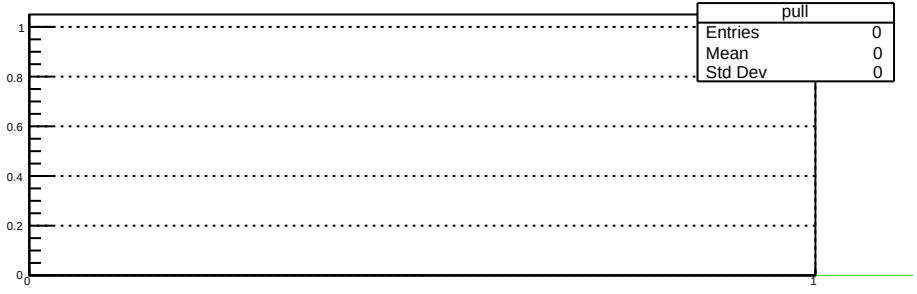

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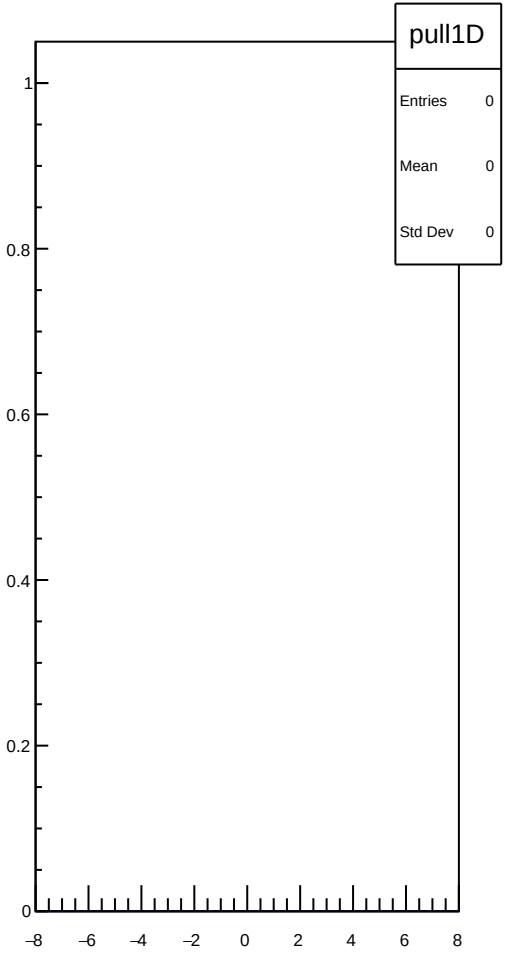

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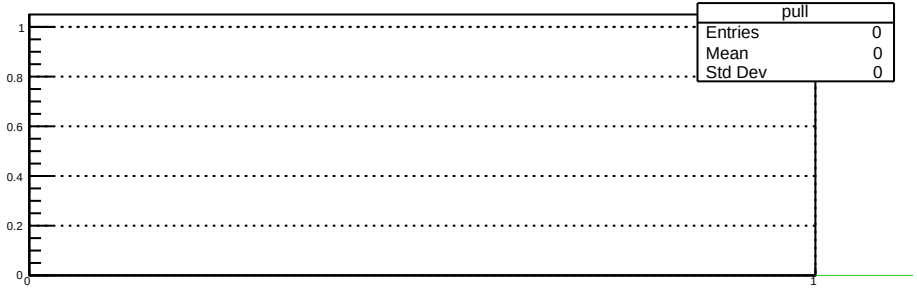

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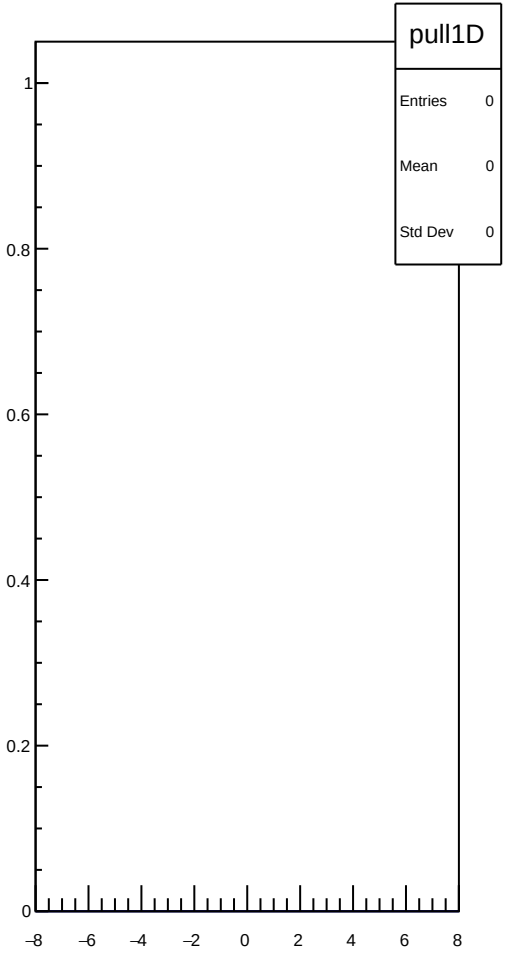

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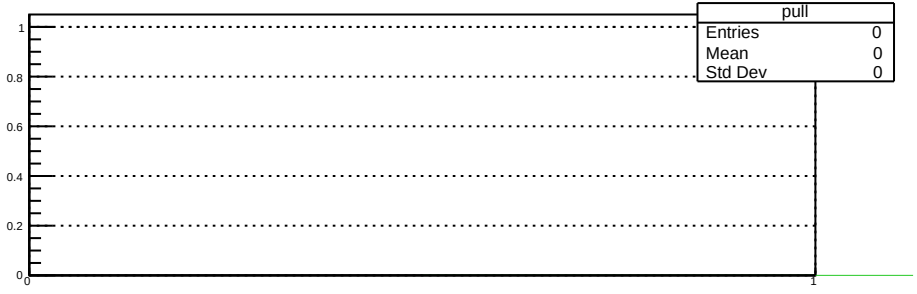

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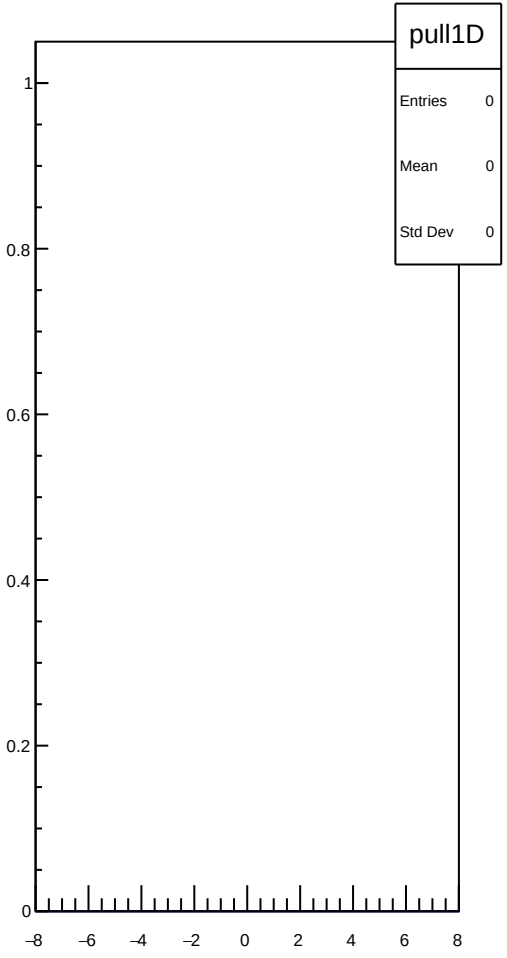

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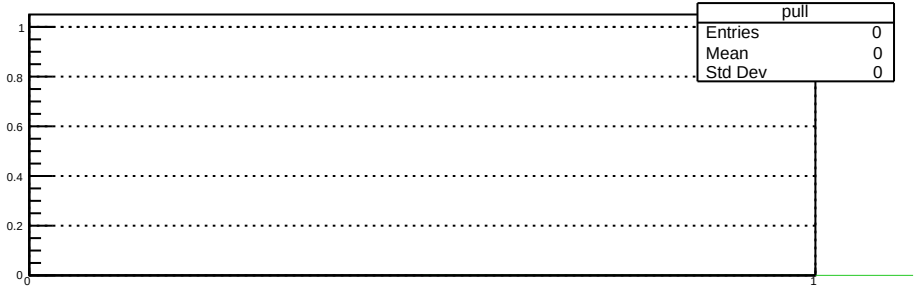

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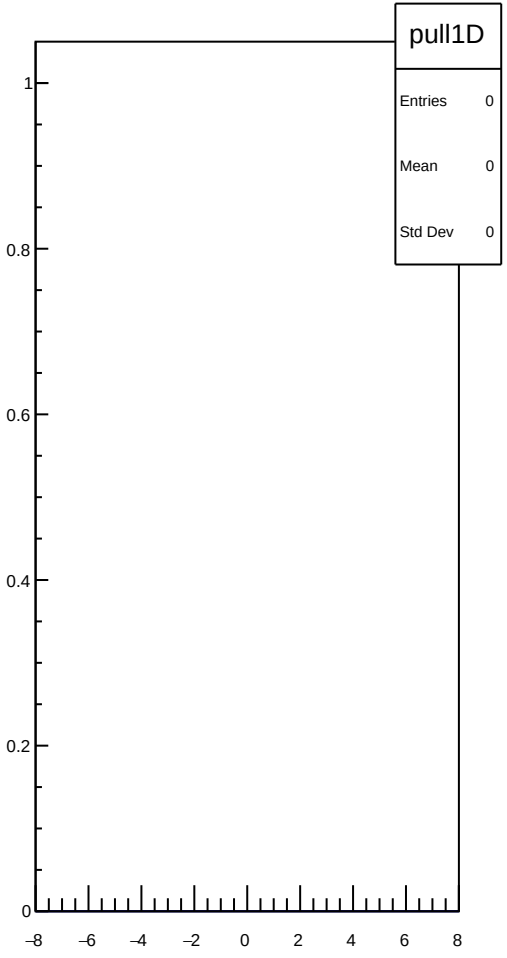

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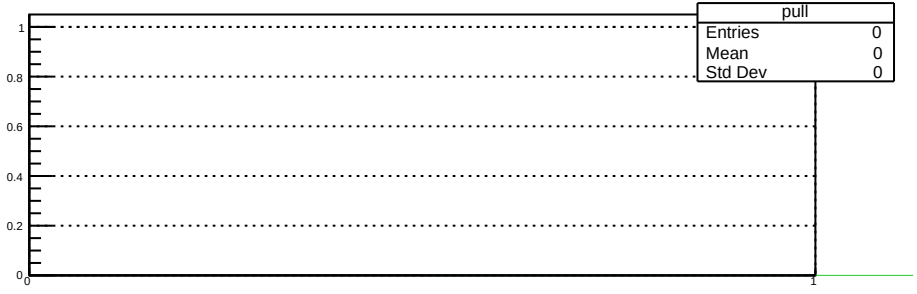

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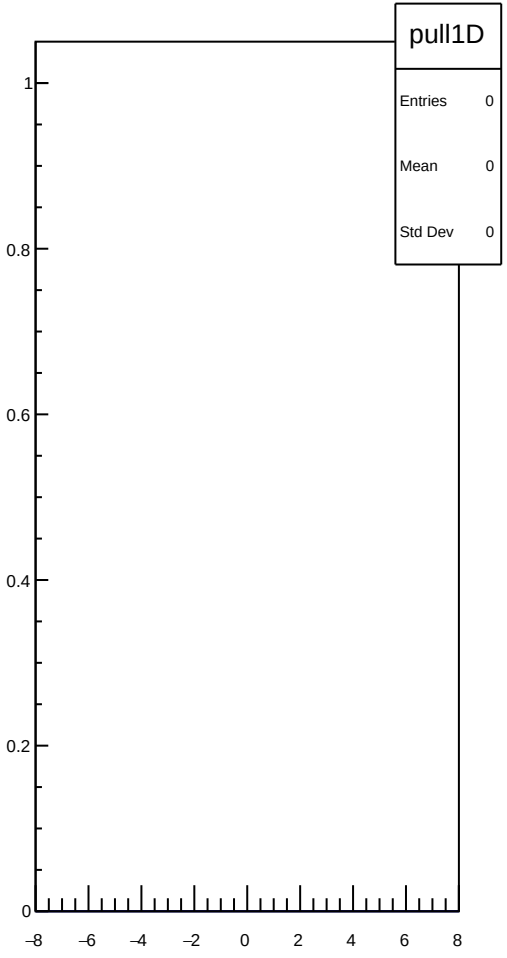

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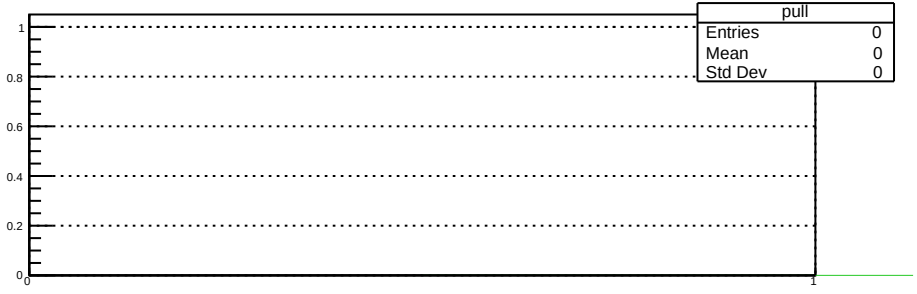

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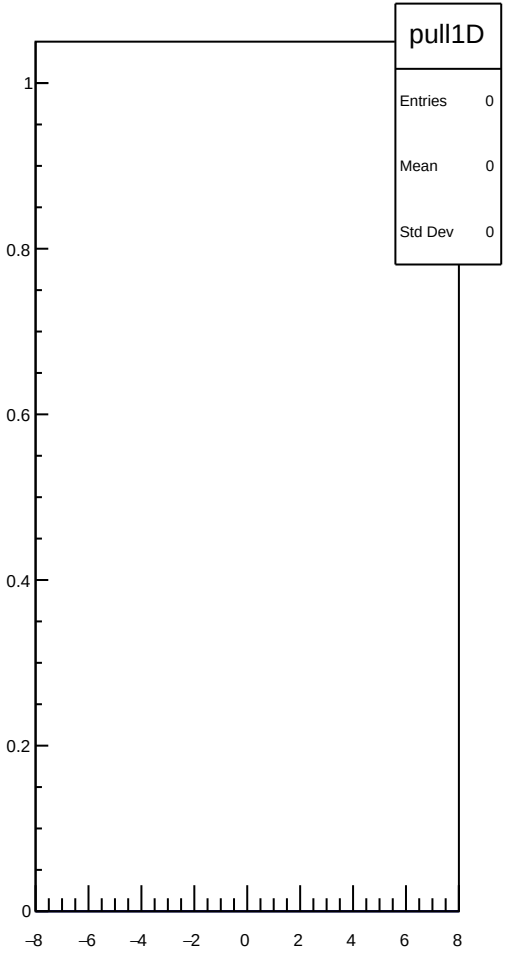

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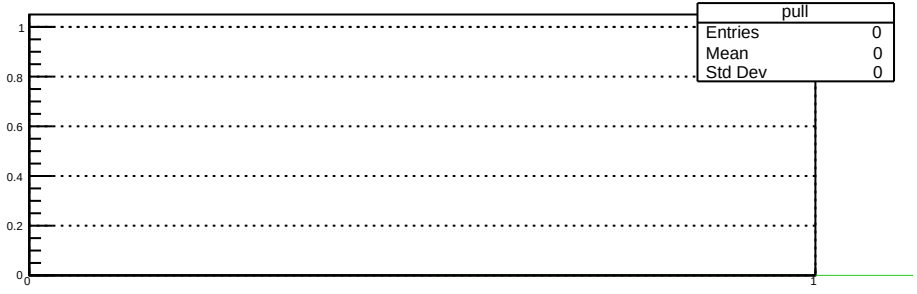

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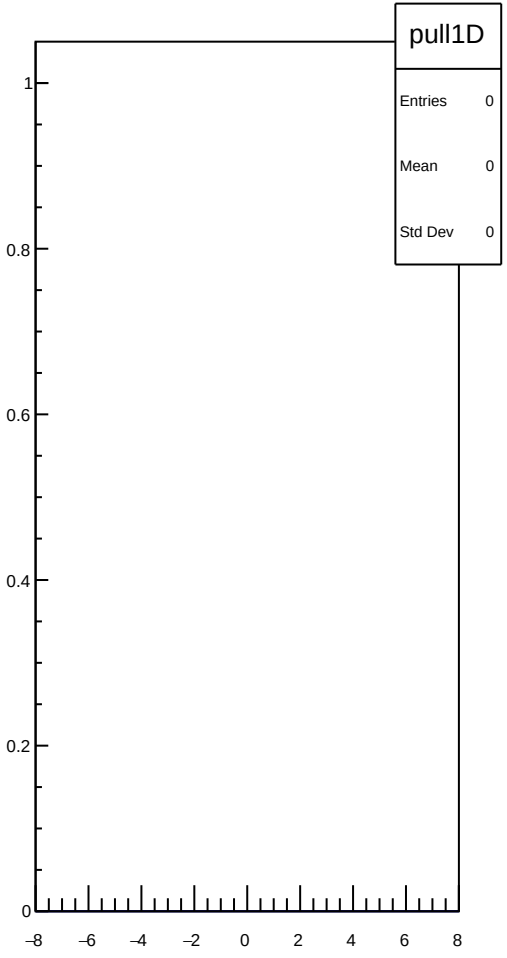

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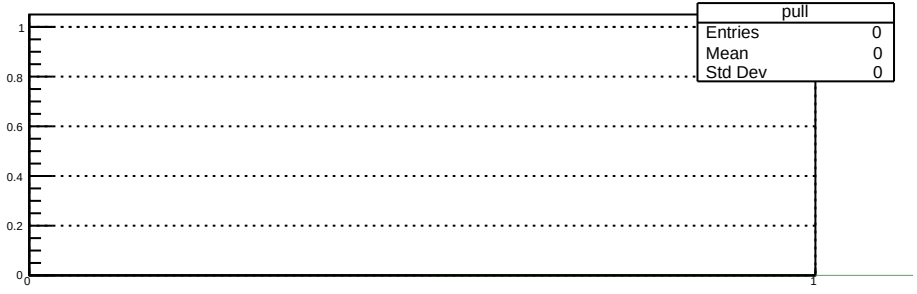

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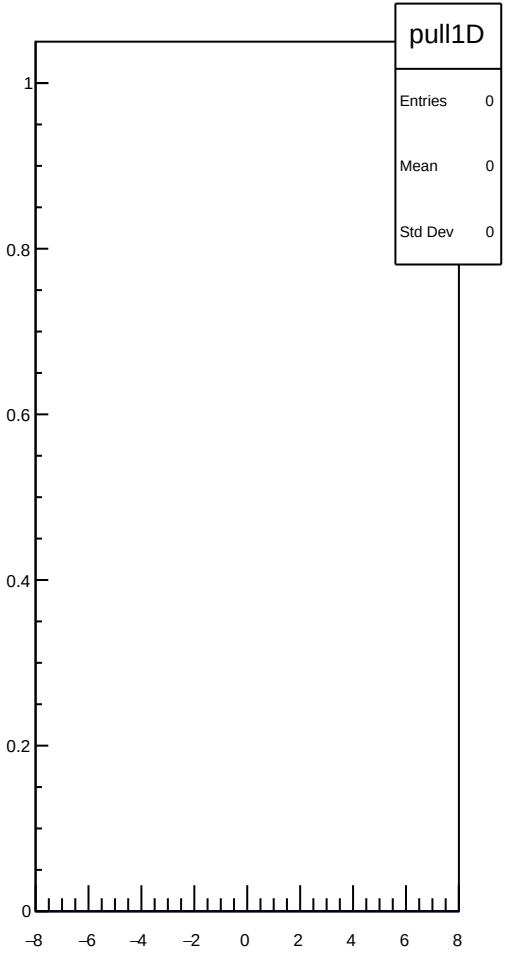

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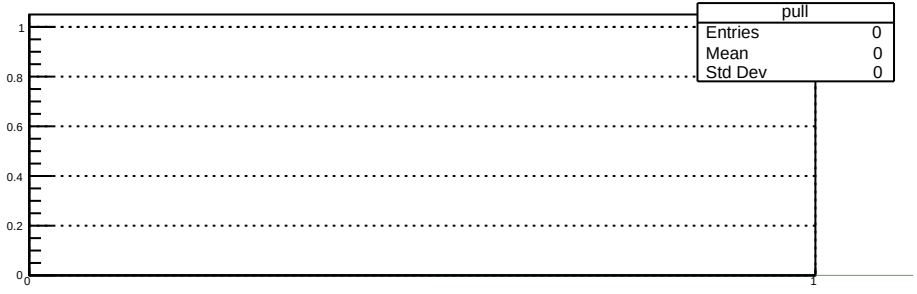

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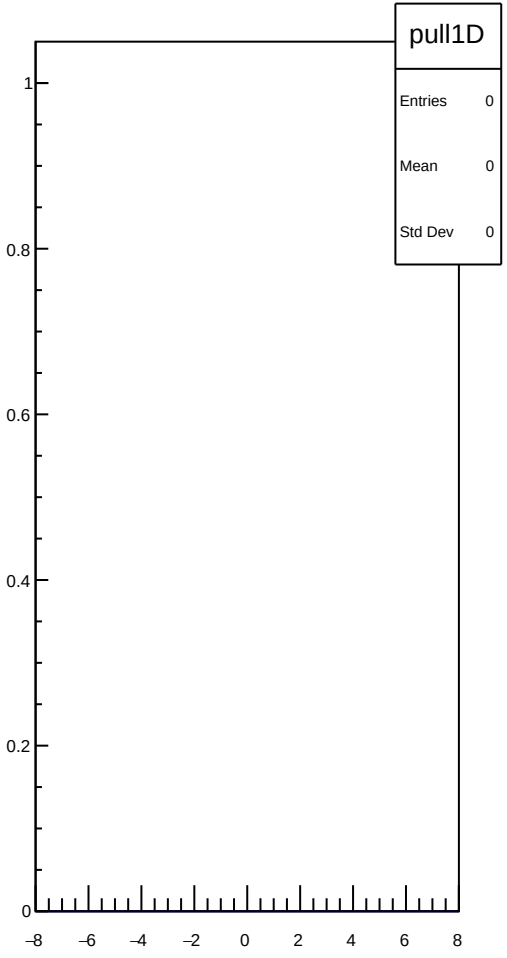

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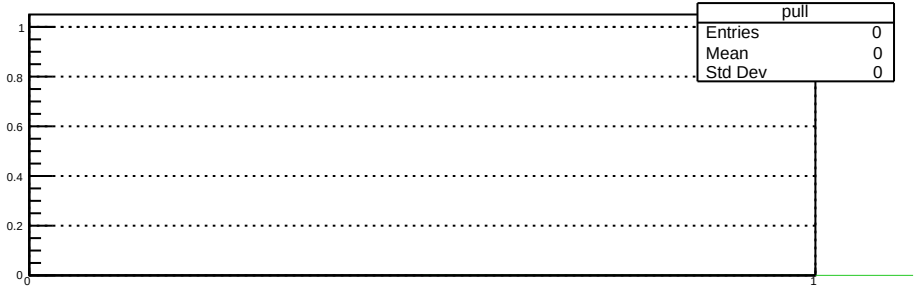

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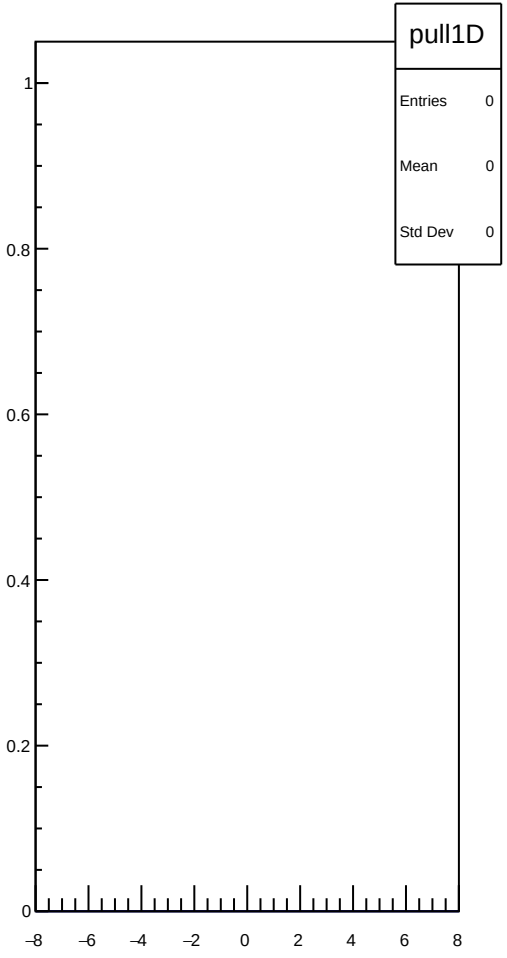

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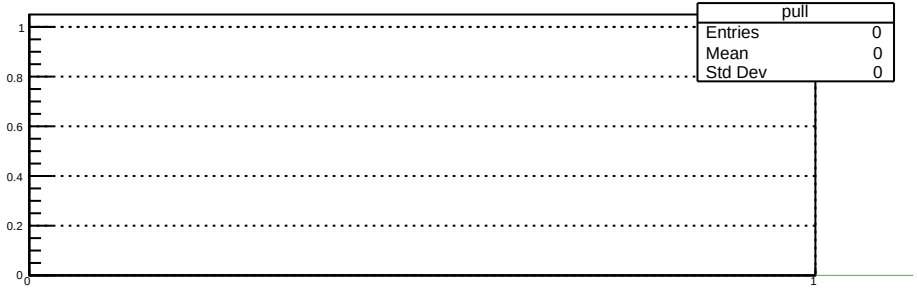

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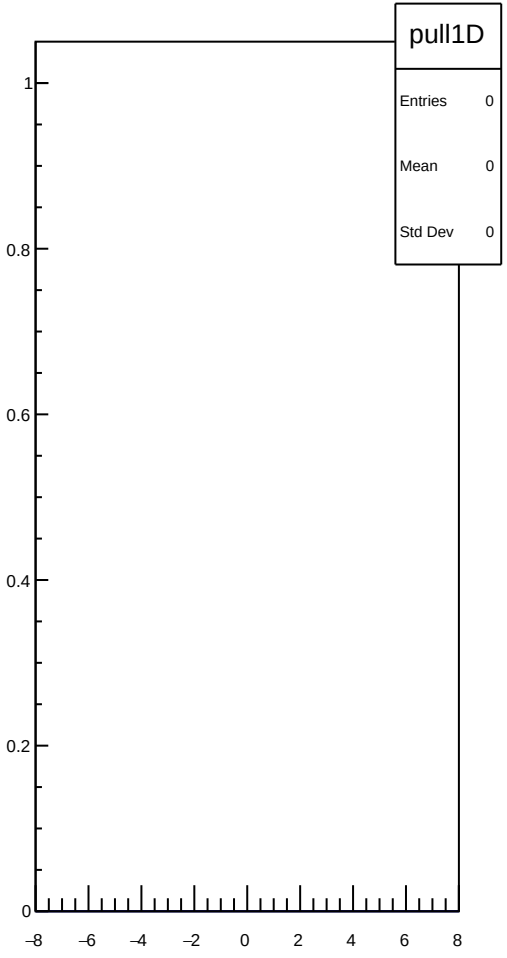

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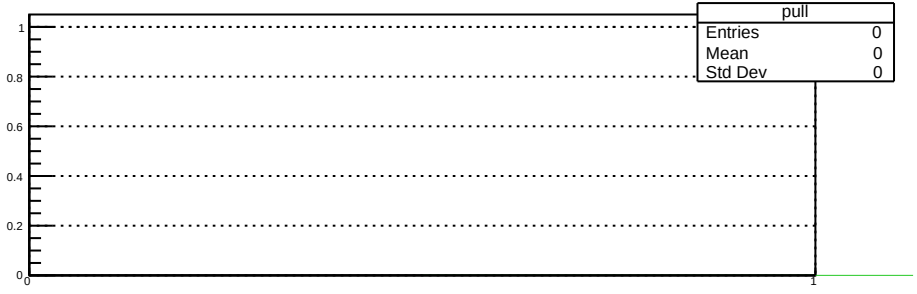

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0.2
0
–8
–6
–4
–2
0
2
4
6
8

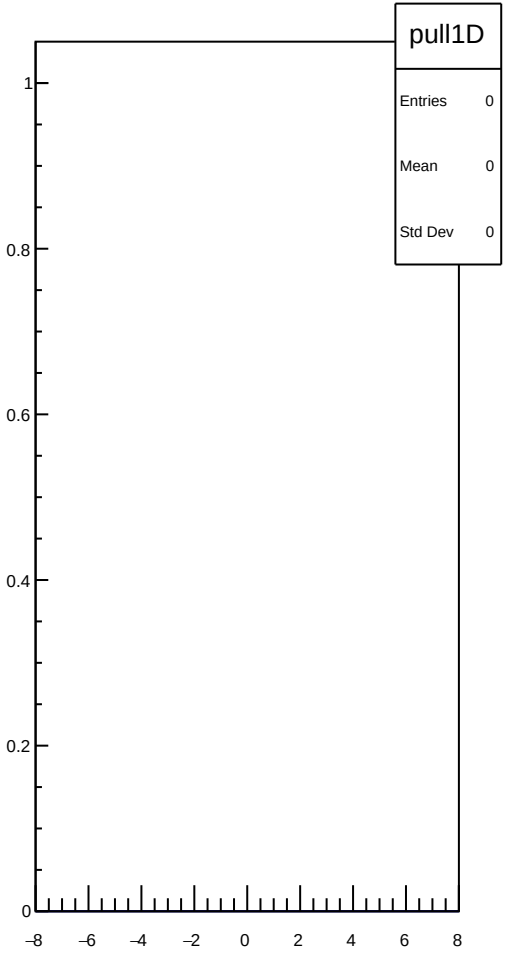

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

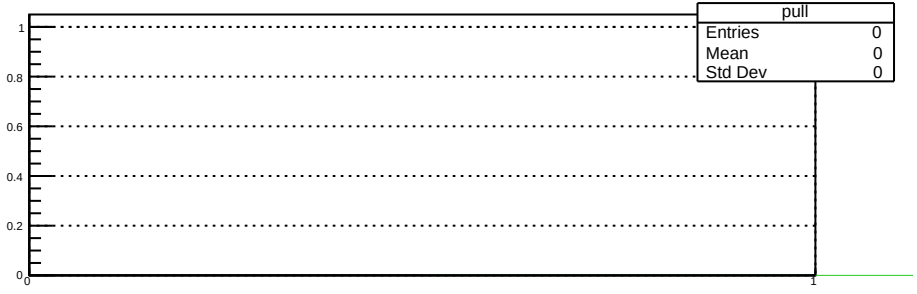

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

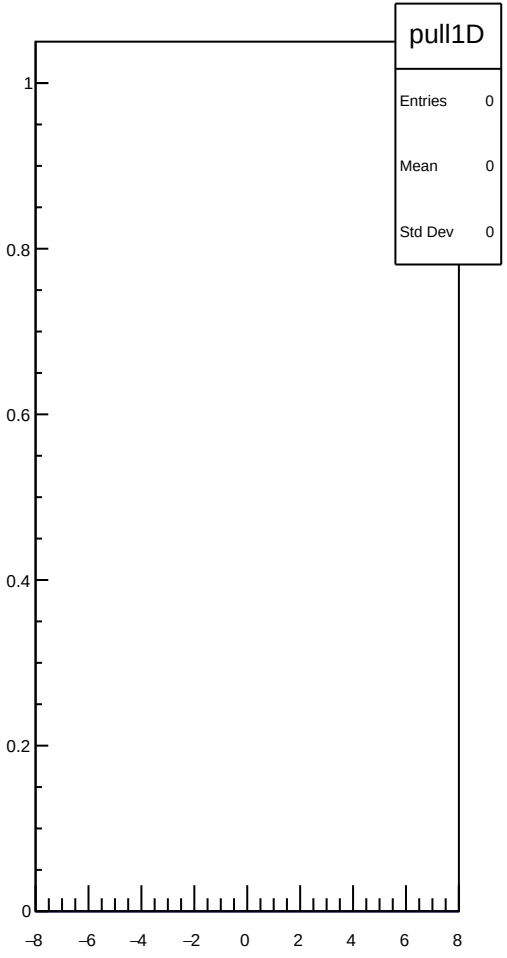

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

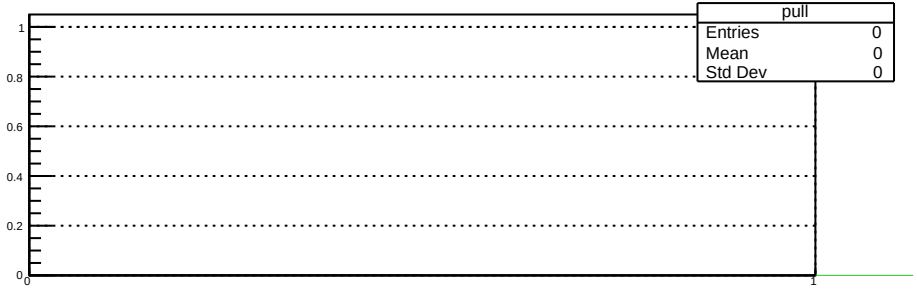

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

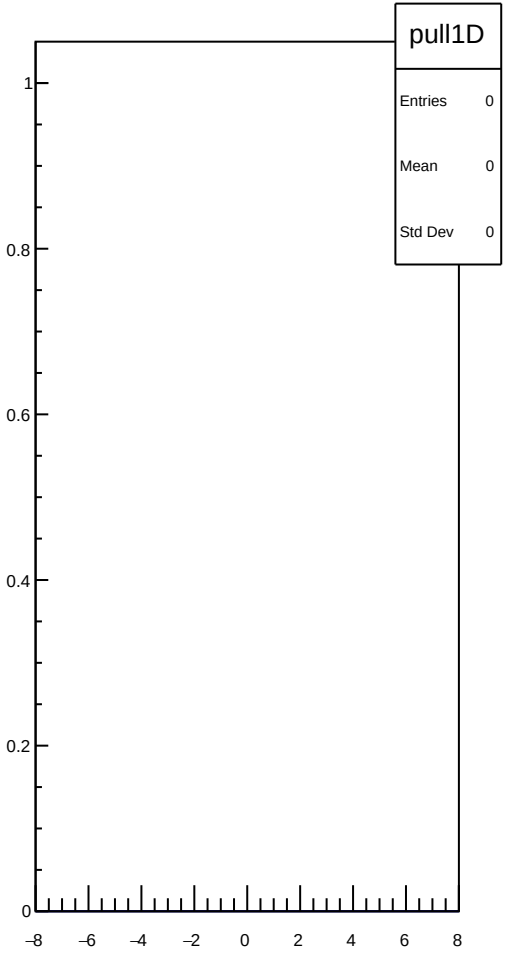

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

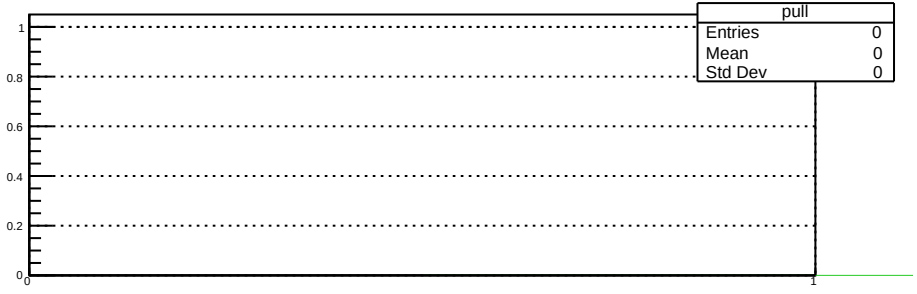

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

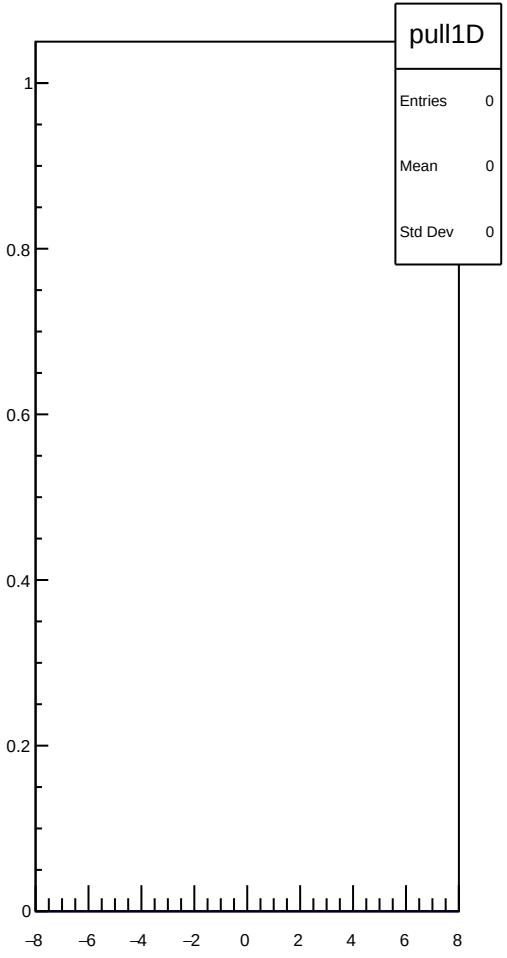

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

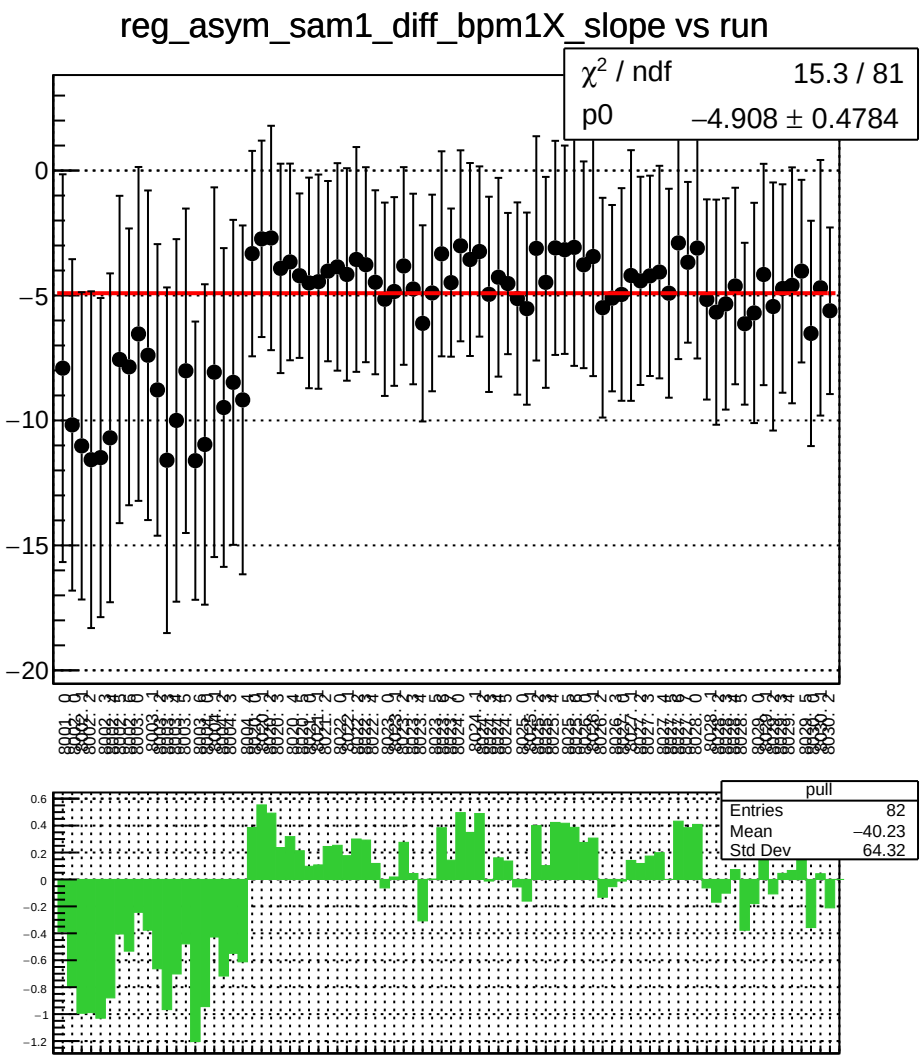

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

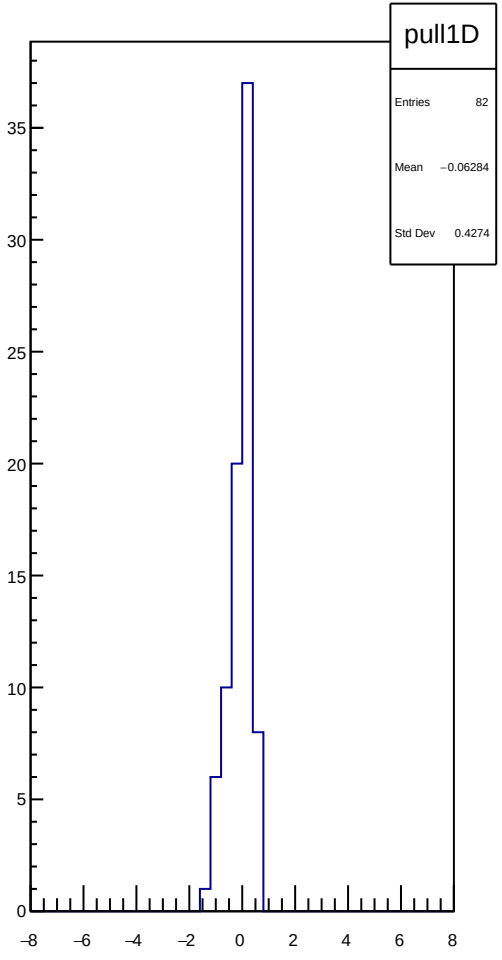

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

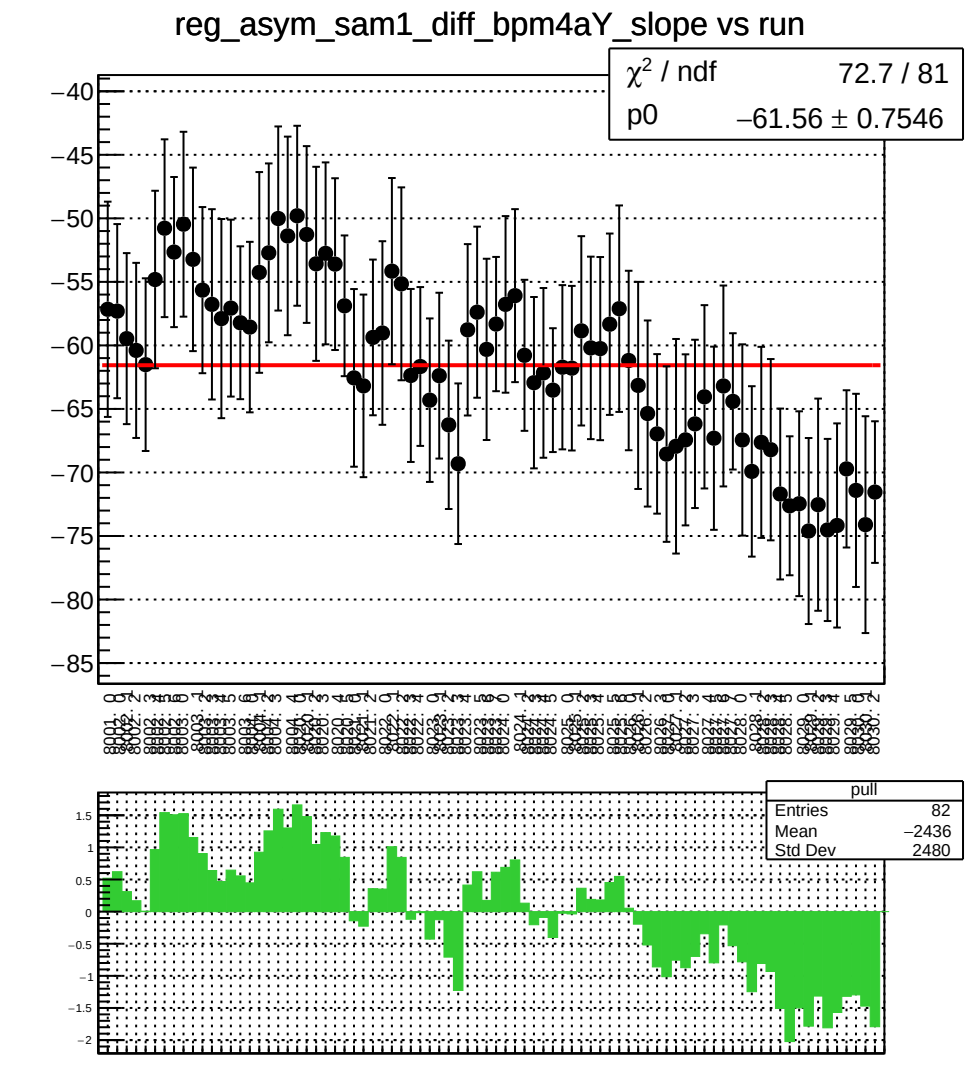

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

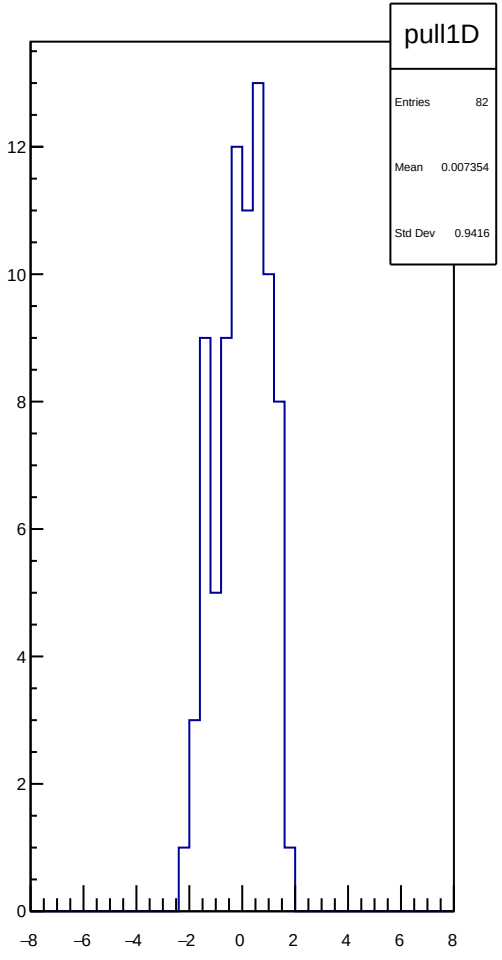

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

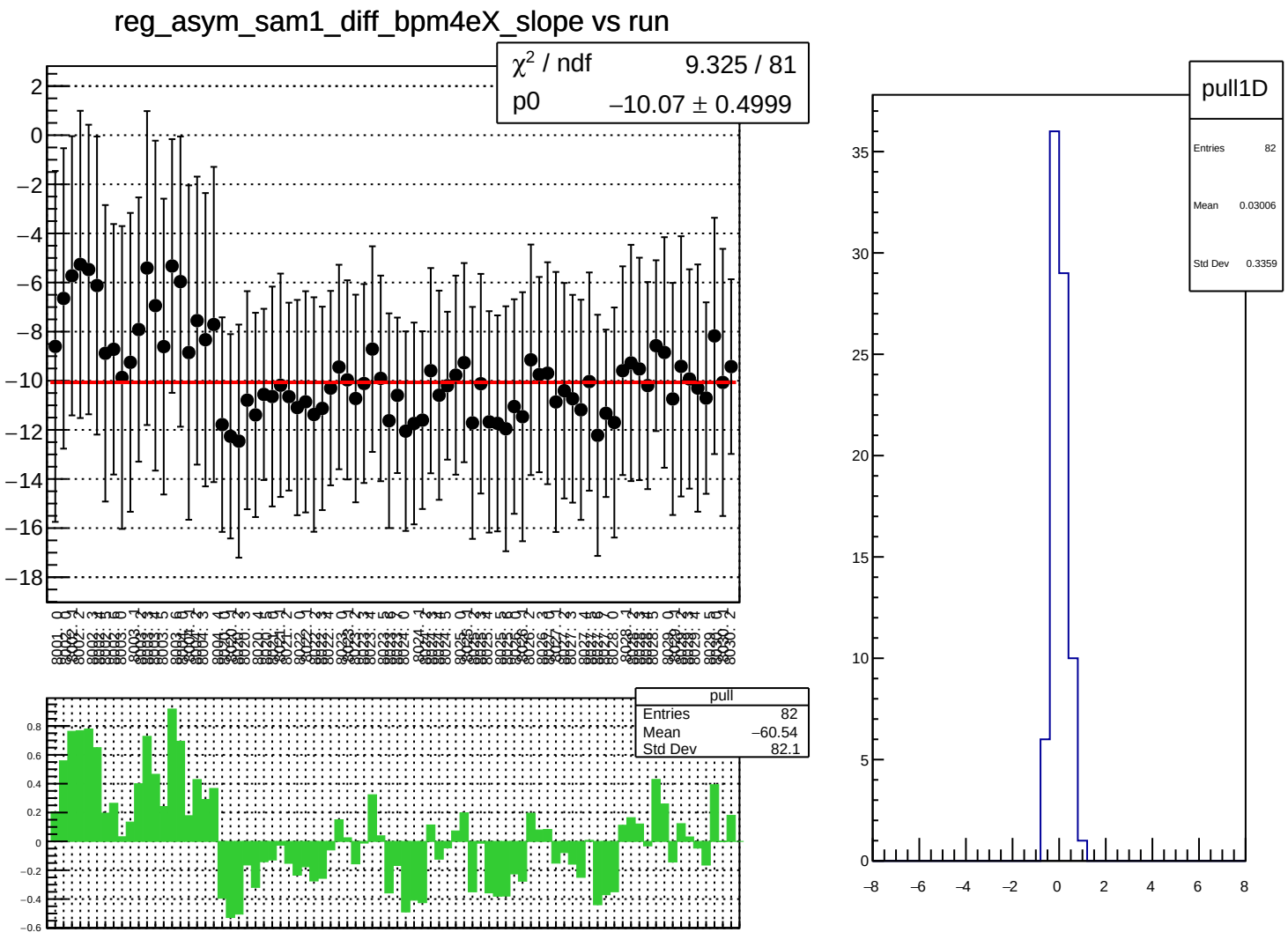

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

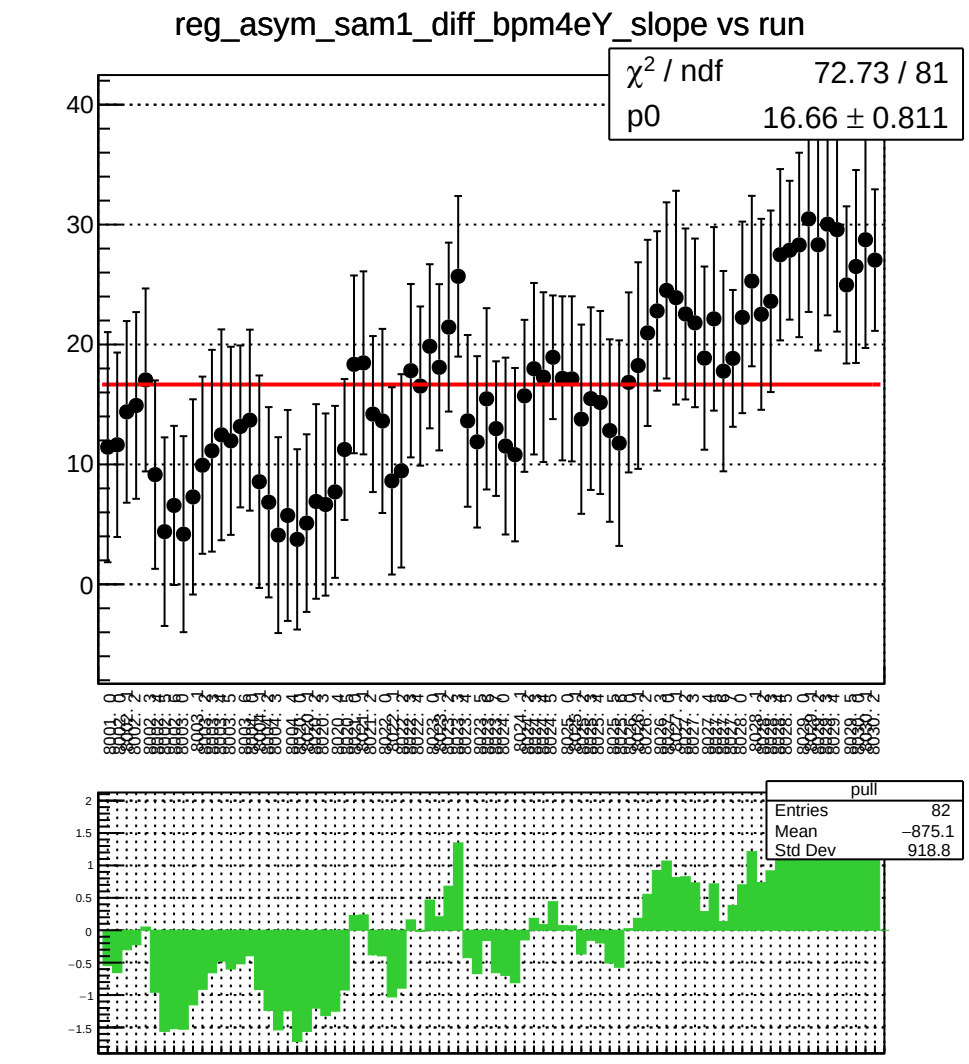

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 15.3 / 81
p0 −4.908 ± 0.4784
pull
Entries 82
Mean −40.23
Std Dev 64.32

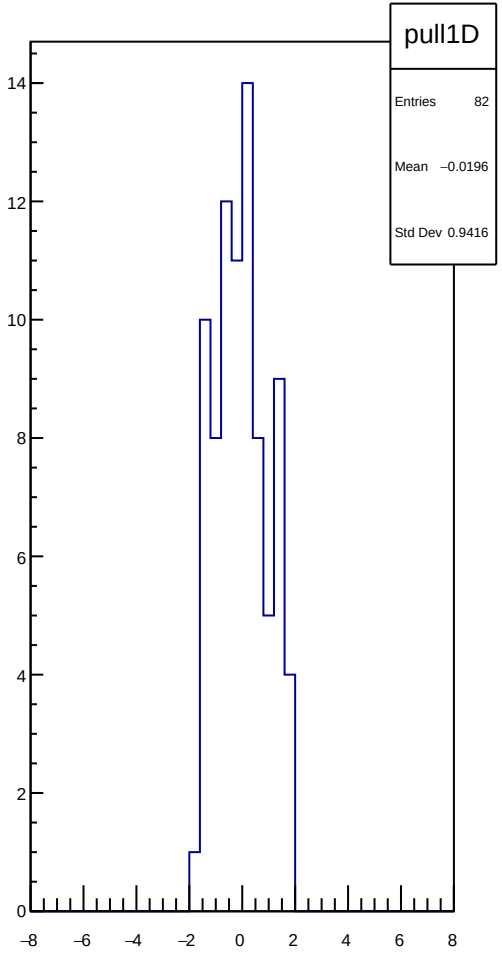

pull1D
Entries 82
Mean −0.06284
Std Dev 0.4274

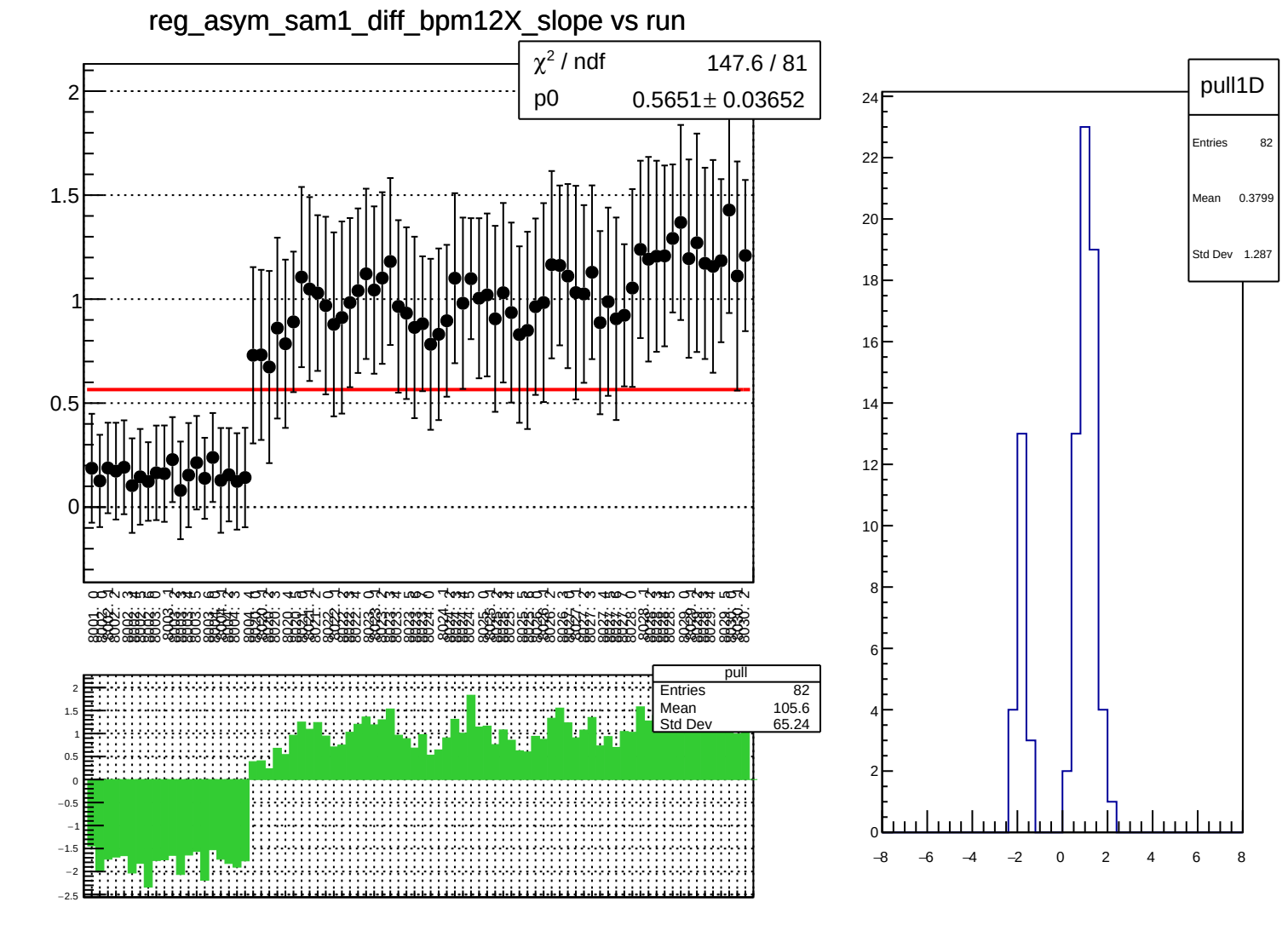

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 72.7 / 81
p0 −61.56 ± 0.7546
pull
Entries 82
Mean −2436
Std Dev 2480

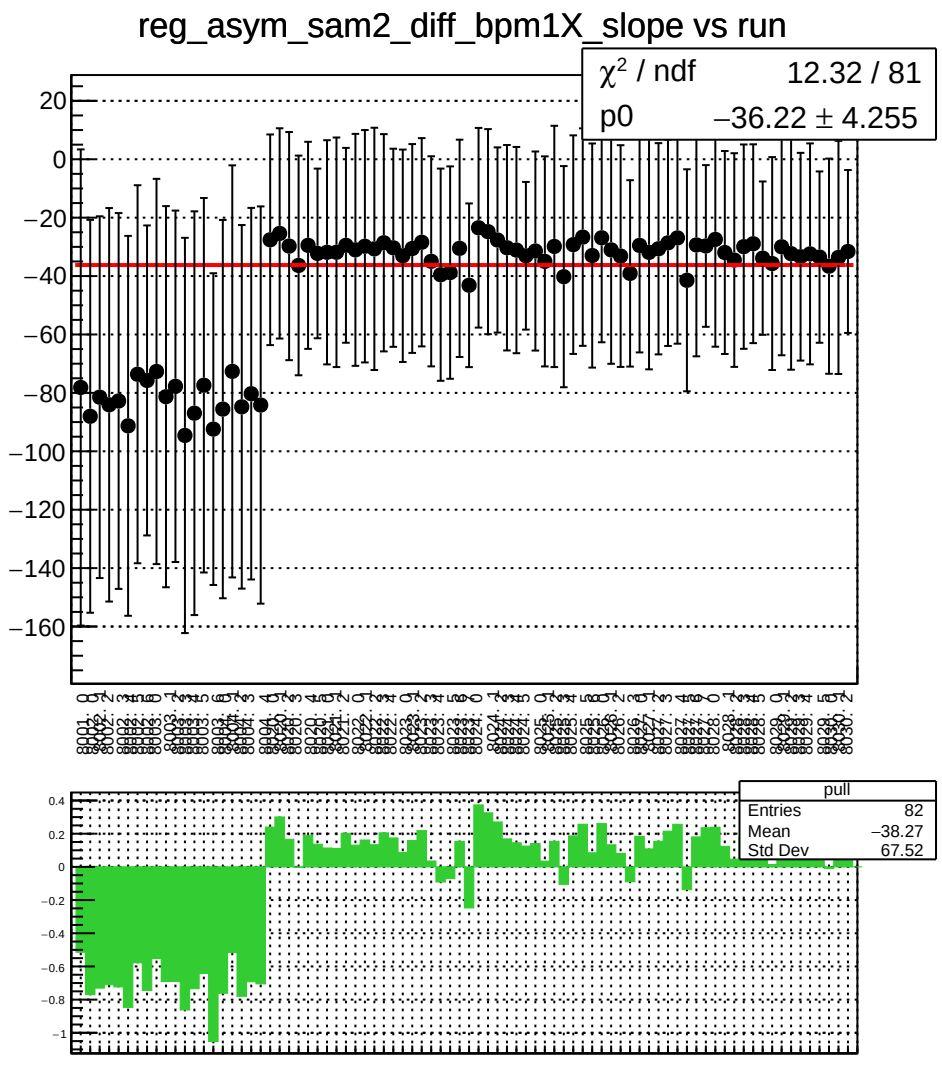

pull1D
Entries 82
Mean 0.007354
Std Dev 0.9416

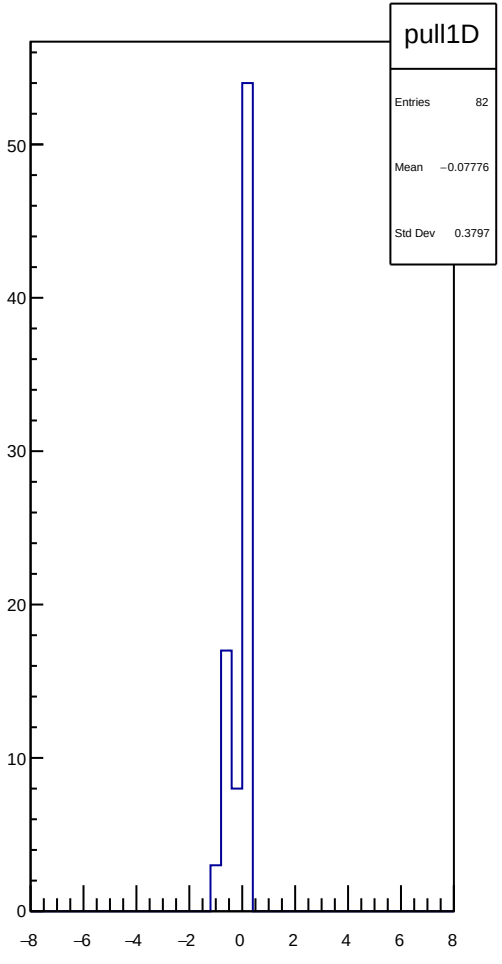

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 9.325 / 81
p0 −10.07 ± 0.4999
pull
Entries 82
Mean −60.54
Std Dev 82.1
pull1D
Entries 82
Mean 0.03006
Std Dev 0.3359

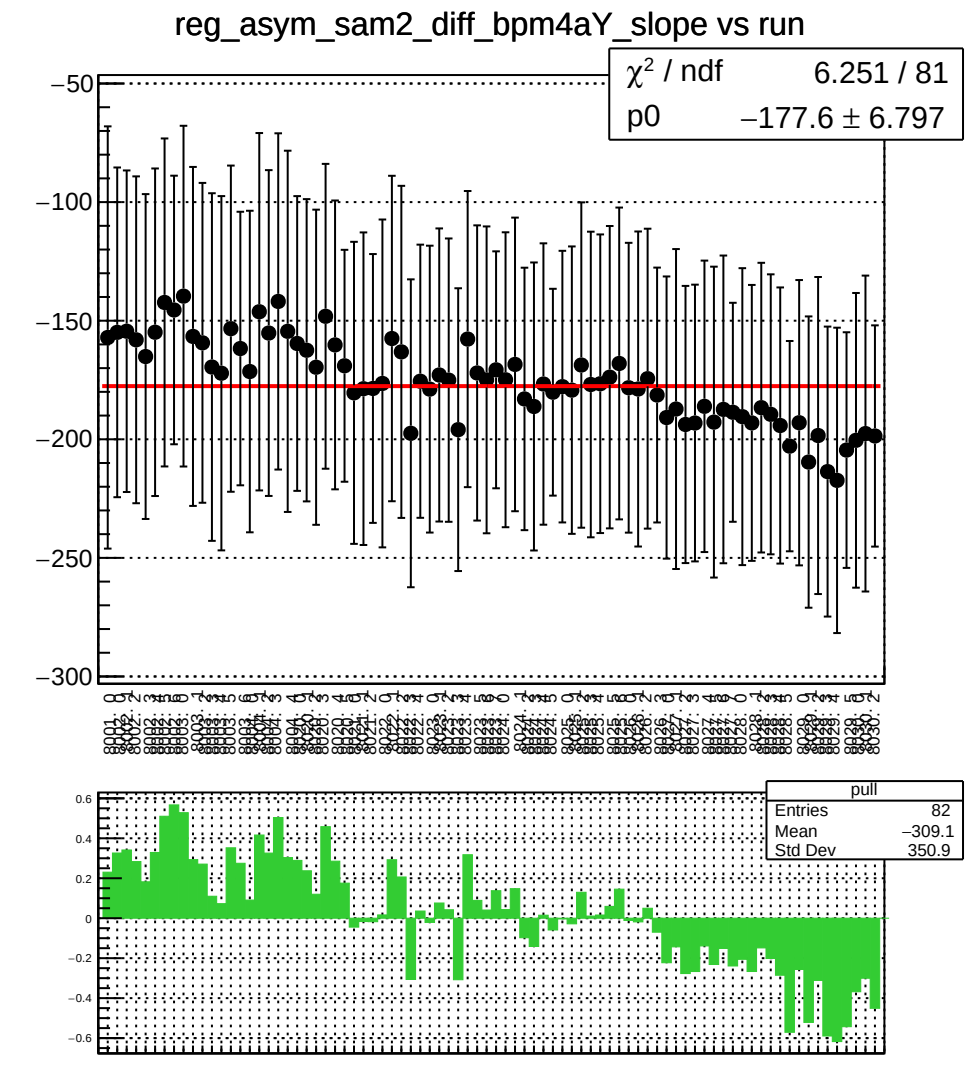

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 72.73 / 81
p0 16.66 ± 0.811
pull
Entries 82
Mean −875.1
Std Dev 918.8

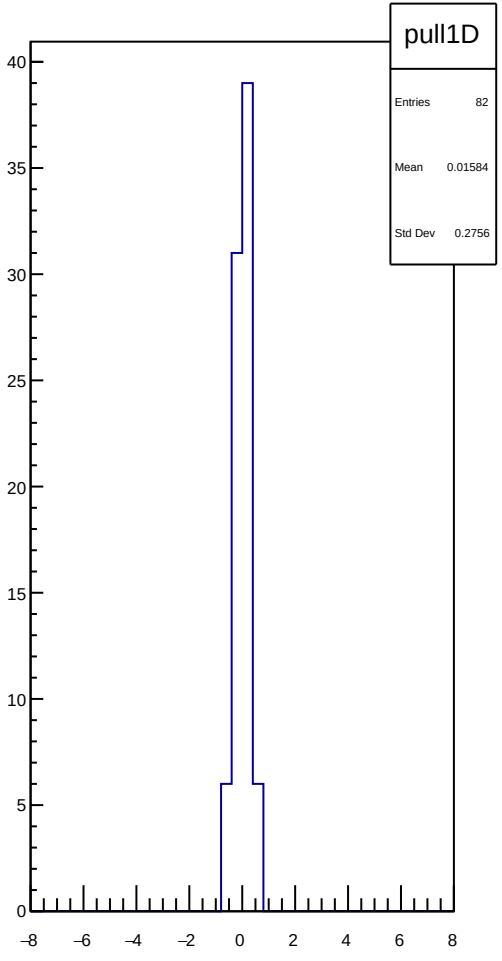

pull1D
Entries 82
Mean −0.0196
Std Dev 0.9416

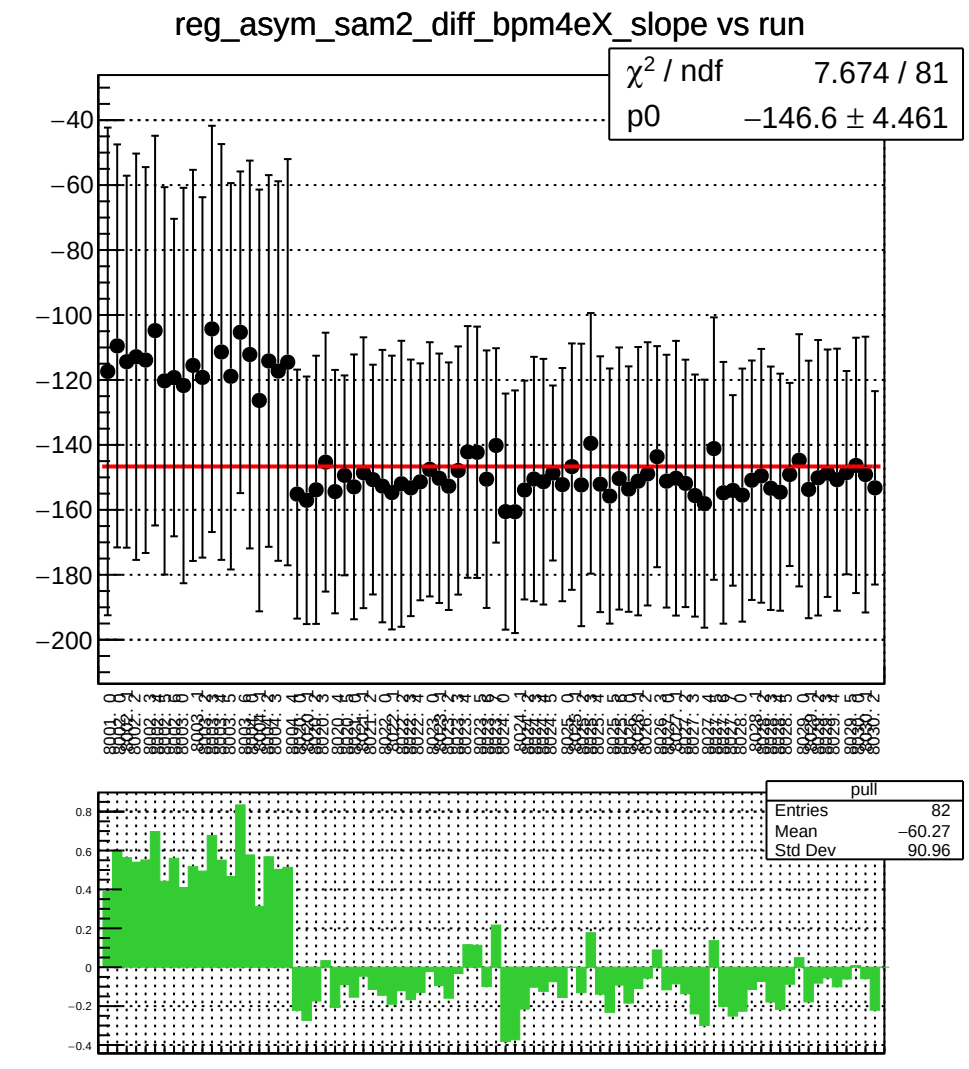

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 147.6 / 81
p0 0.5651± 0.03652
pull
Entries 82
Mean 105.6
Std Dev 65.24
pull1D
Entries 82
Mean 0.3799
Std Dev 1.287

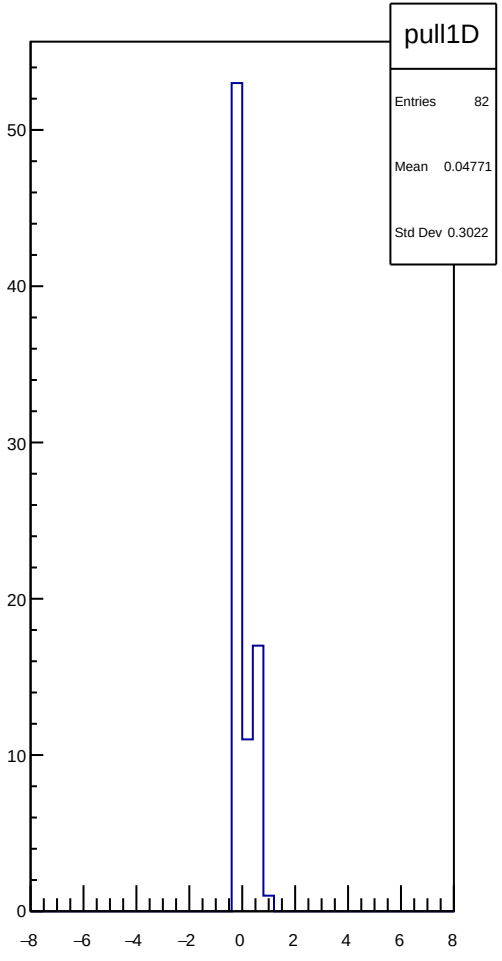

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 12.32 / 81
p0 −36.22 ± 4.255
pull
Entries 82
Mean −38.27
Std Dev 67.52

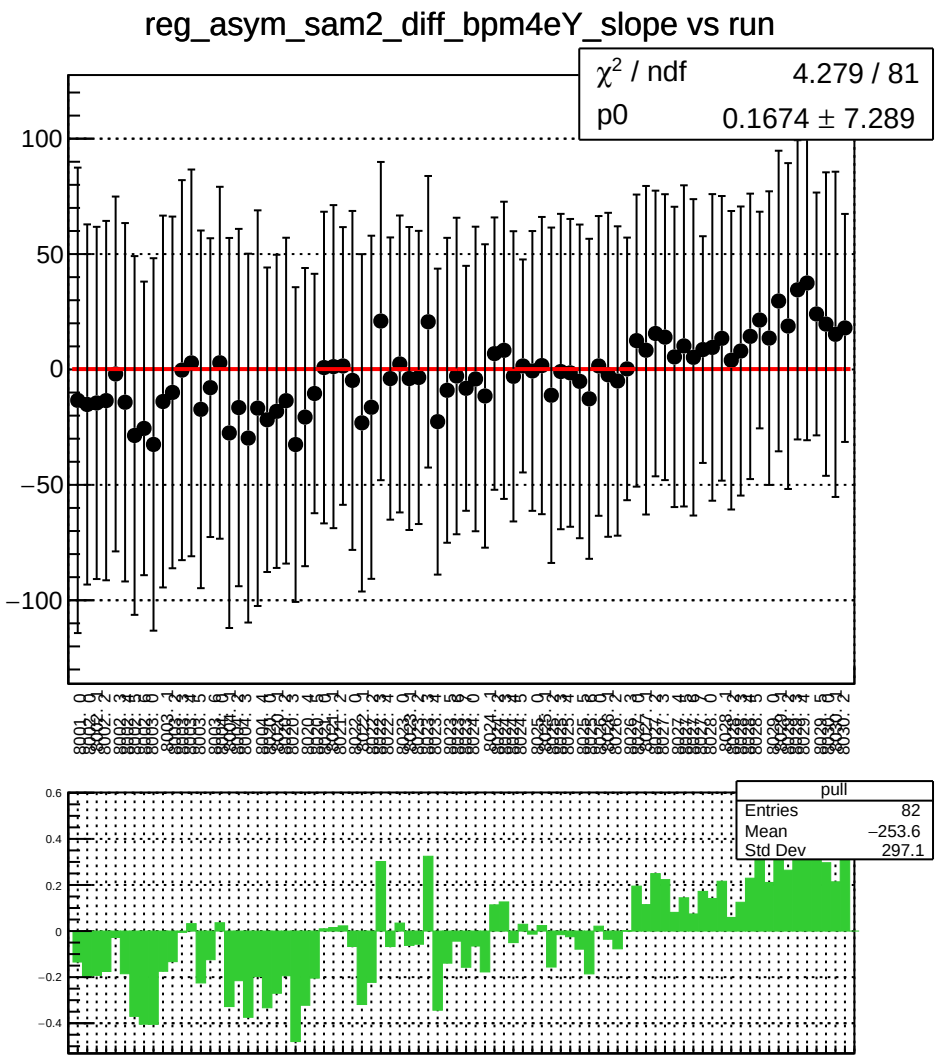

pull1D
Entries 82
Mean −0.07776
Std Dev 0.3797

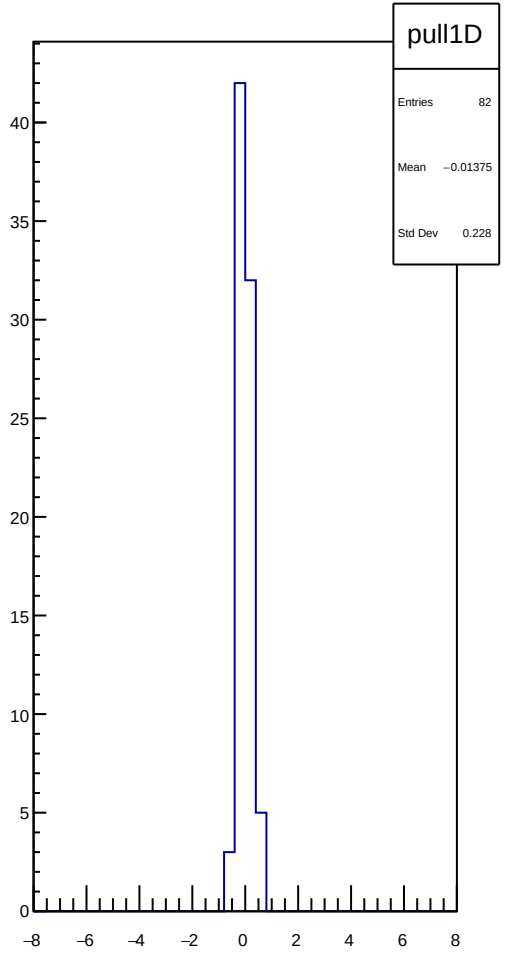

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 6.251 / 81
p0 −177.6 ± 6.797
pull
Entries 82
Mean −309.1
Std Dev 350.9

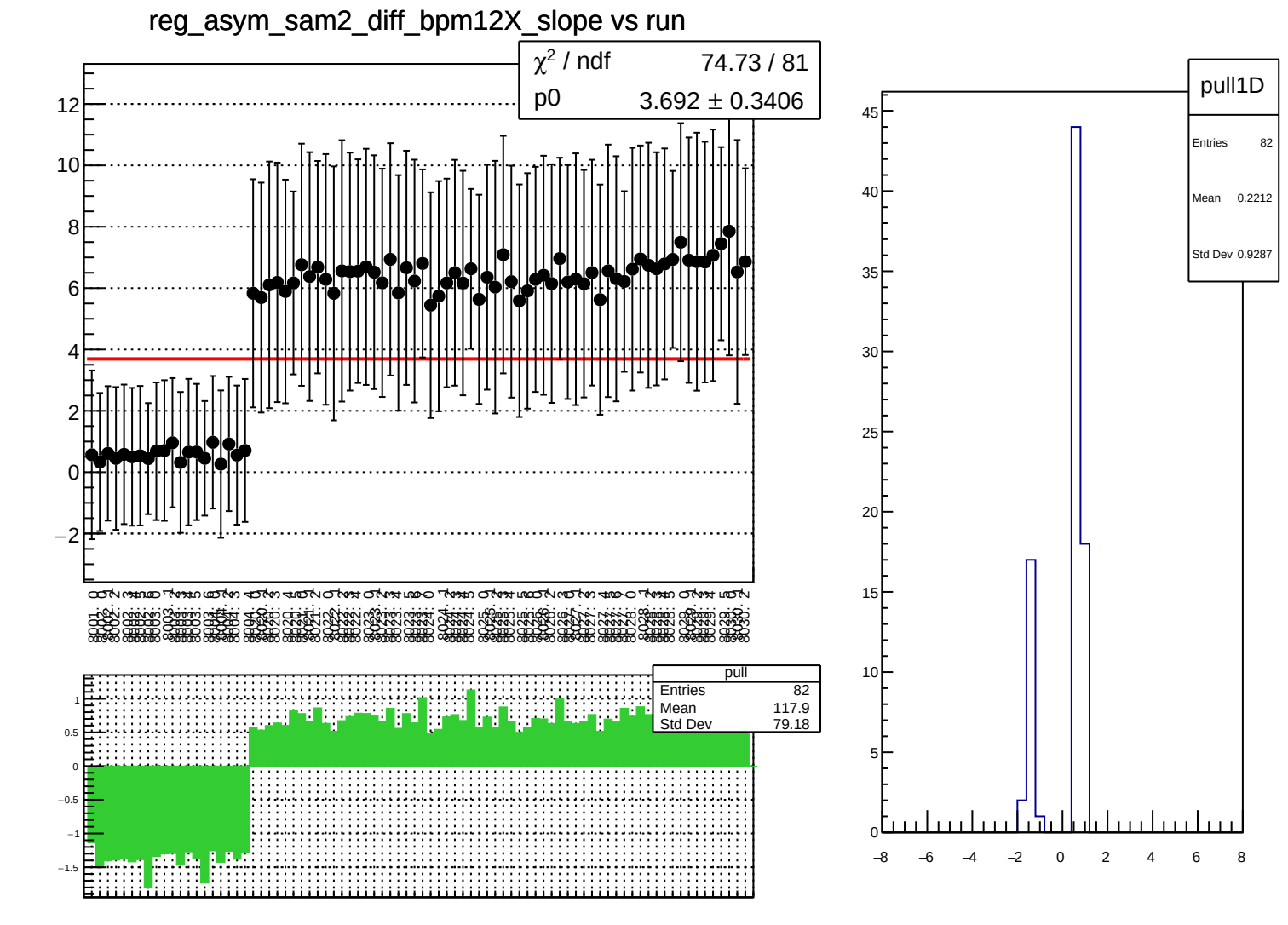

pull1D
Entries 82
Mean 0.01584
Std Dev 0.2756

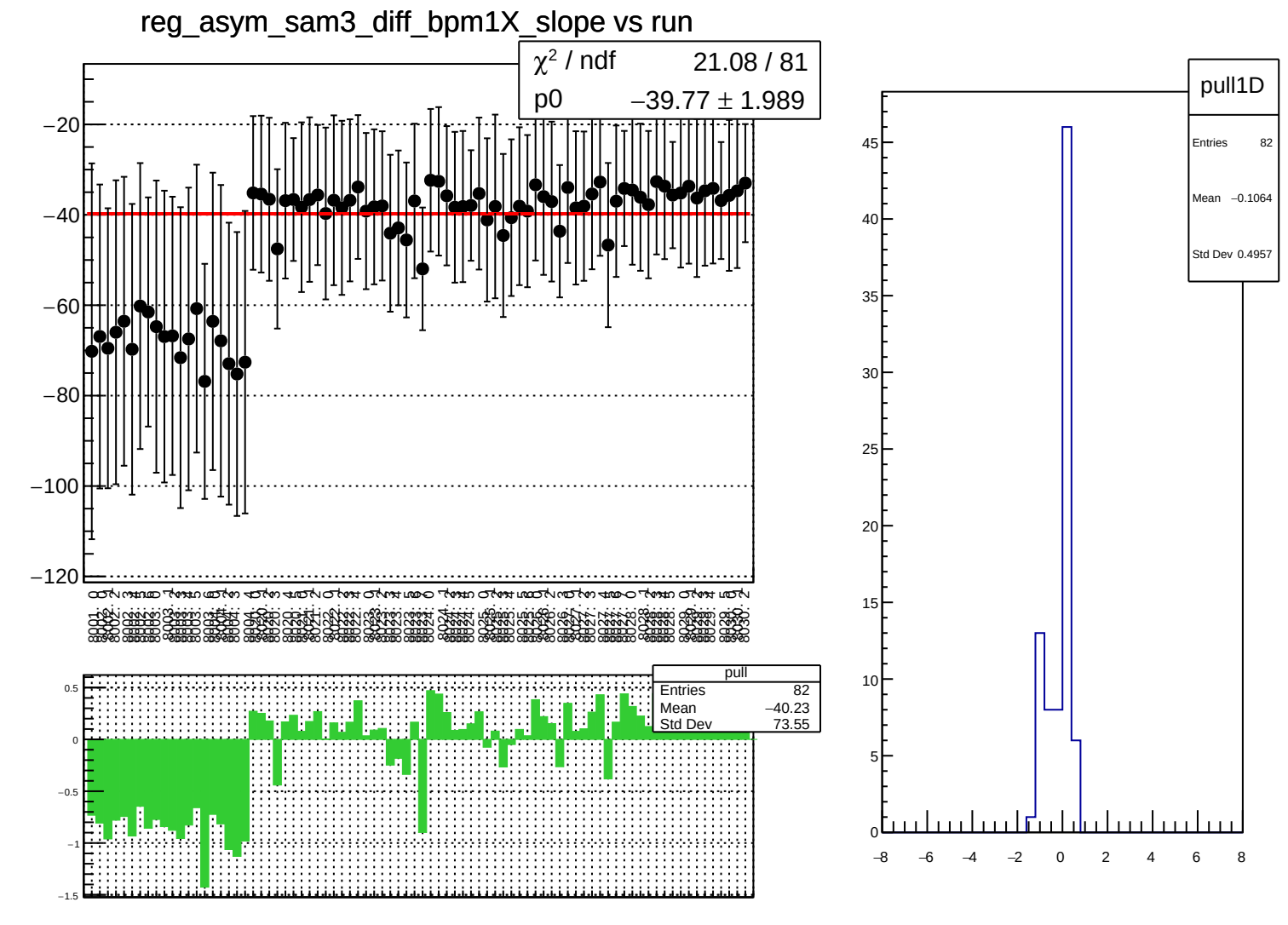

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 7.674 / 81
p0 −146.6 ± 4.461
pull
Entries 82
Mean −60.27
Std Dev 90.96

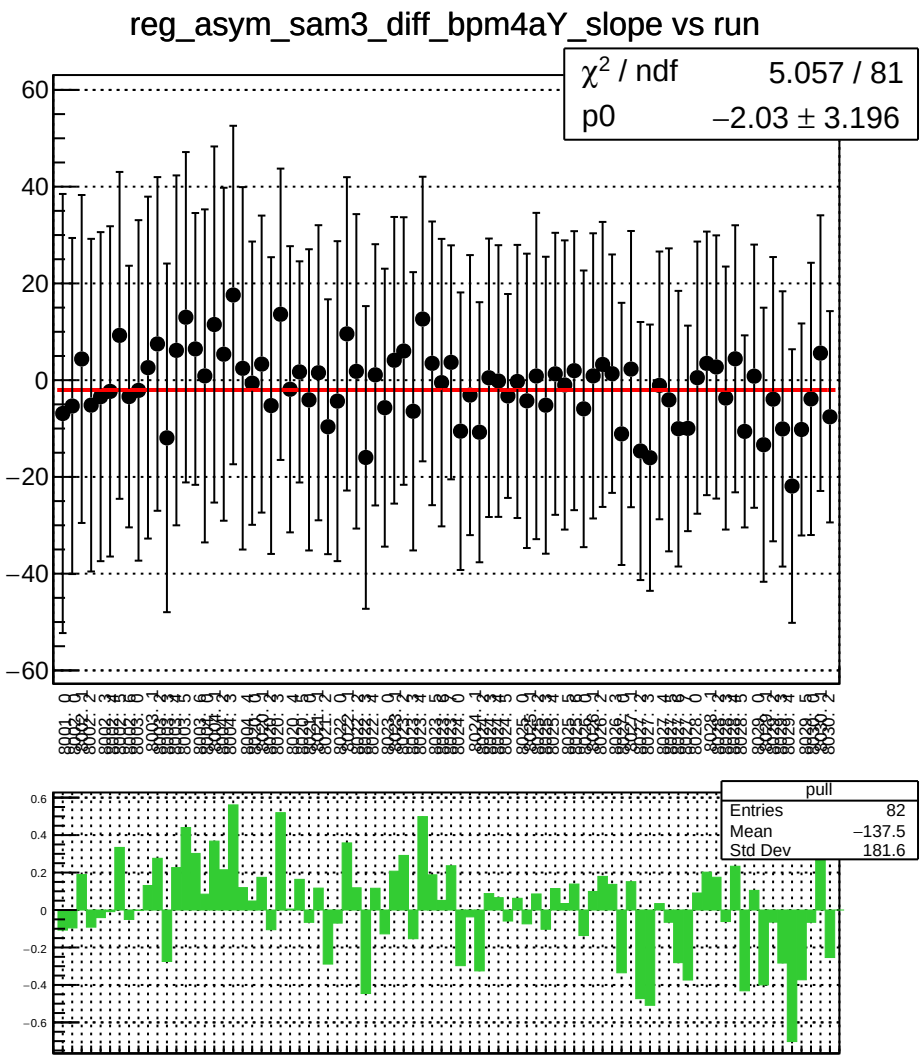

pull1D
Entries 82
Mean 0.04771
Std Dev 0.3022

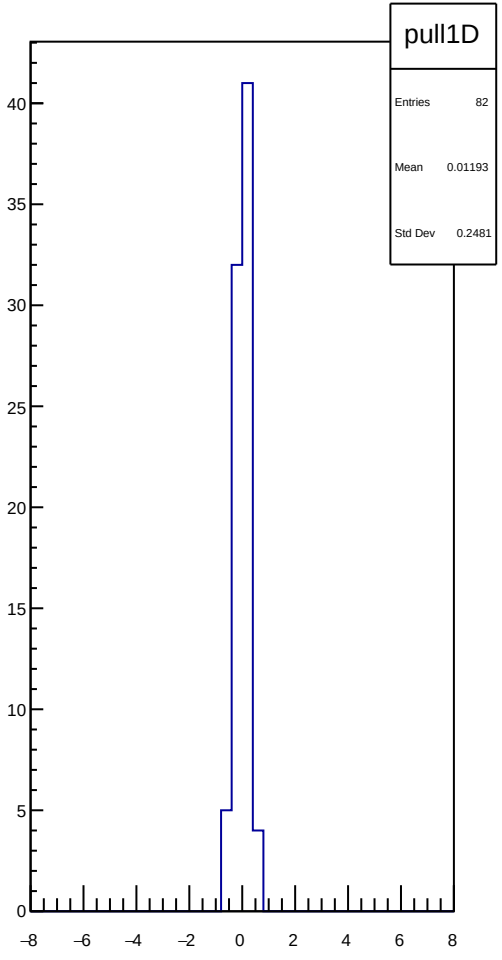

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 4.279 / 81
p0 0.1674 ± 7.289
100
50
0
−50
−100
pull
Entries 82
Mean −253.6
Std Dev 297.1
0.6
0.4
0.2
0
−0.2
−0.4

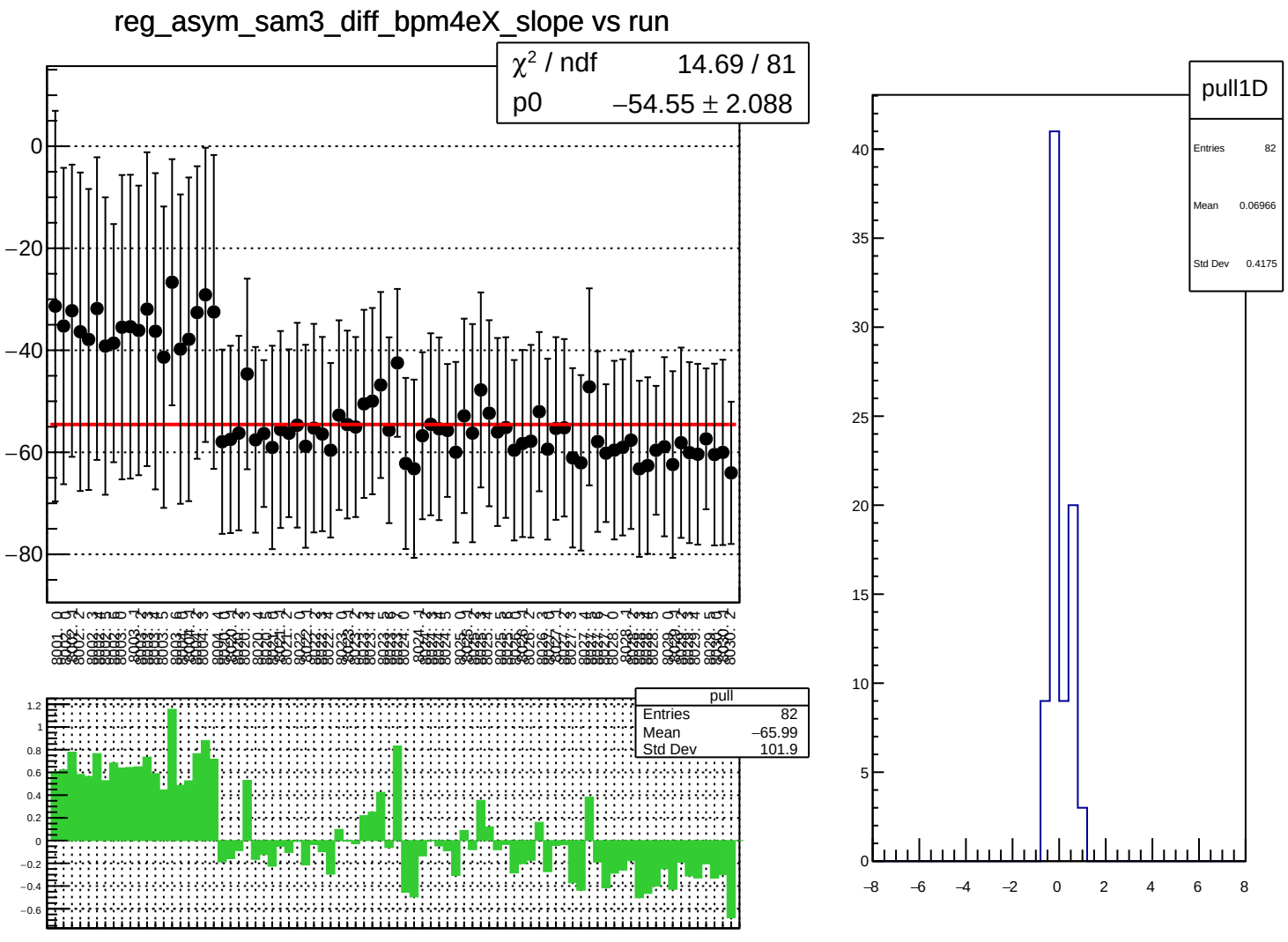

pull1D
Entries 82
Mean −0.01375
Std Dev 0.228
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

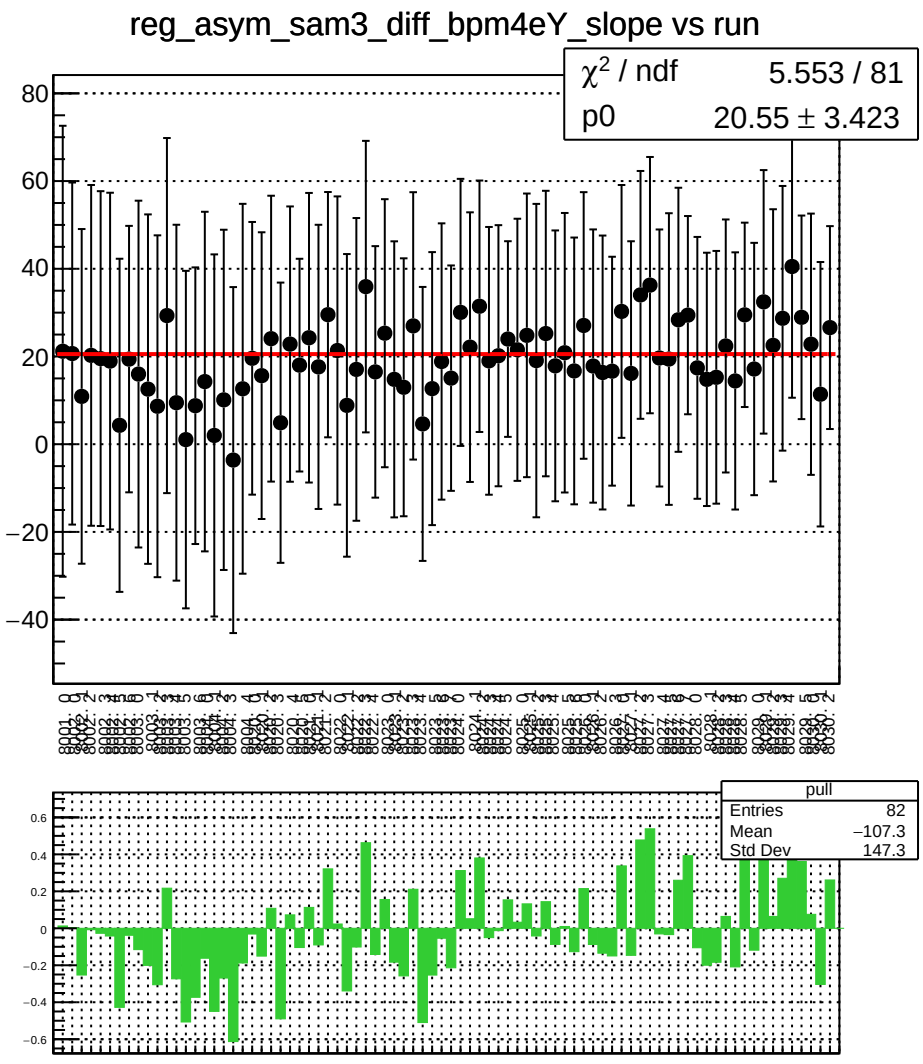

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 74.73 / 81
p0 3.692 ± 0.3406
pull
Entries 82
Mean 117.9
Std Dev 79.18
pull1D
Entries 82
Mean 0.2212
Std Dev 0.9287

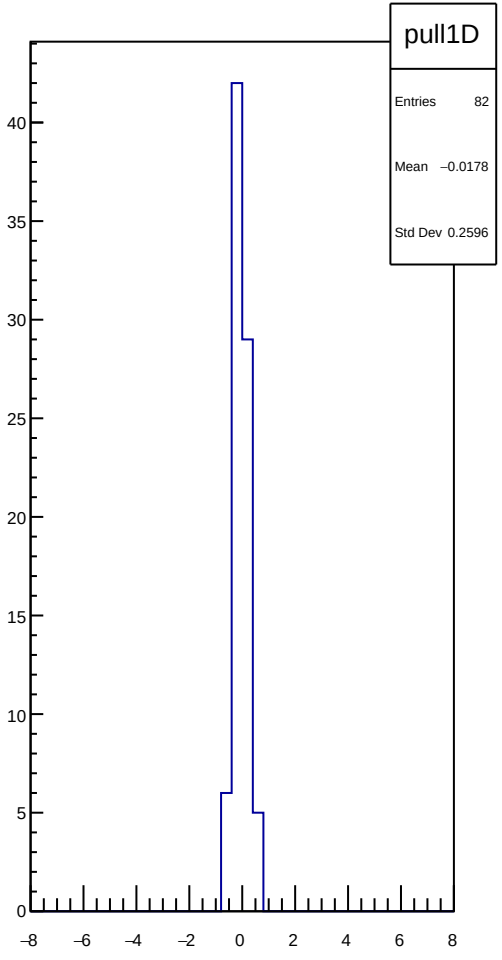

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 21.08 / 81
p0 −39.77 ± 1.989
pull
Entries 82
Mean −40.23
Std Dev 73.55
pull1D
Entries 82
Mean −0.1064
Std Dev 0.4957

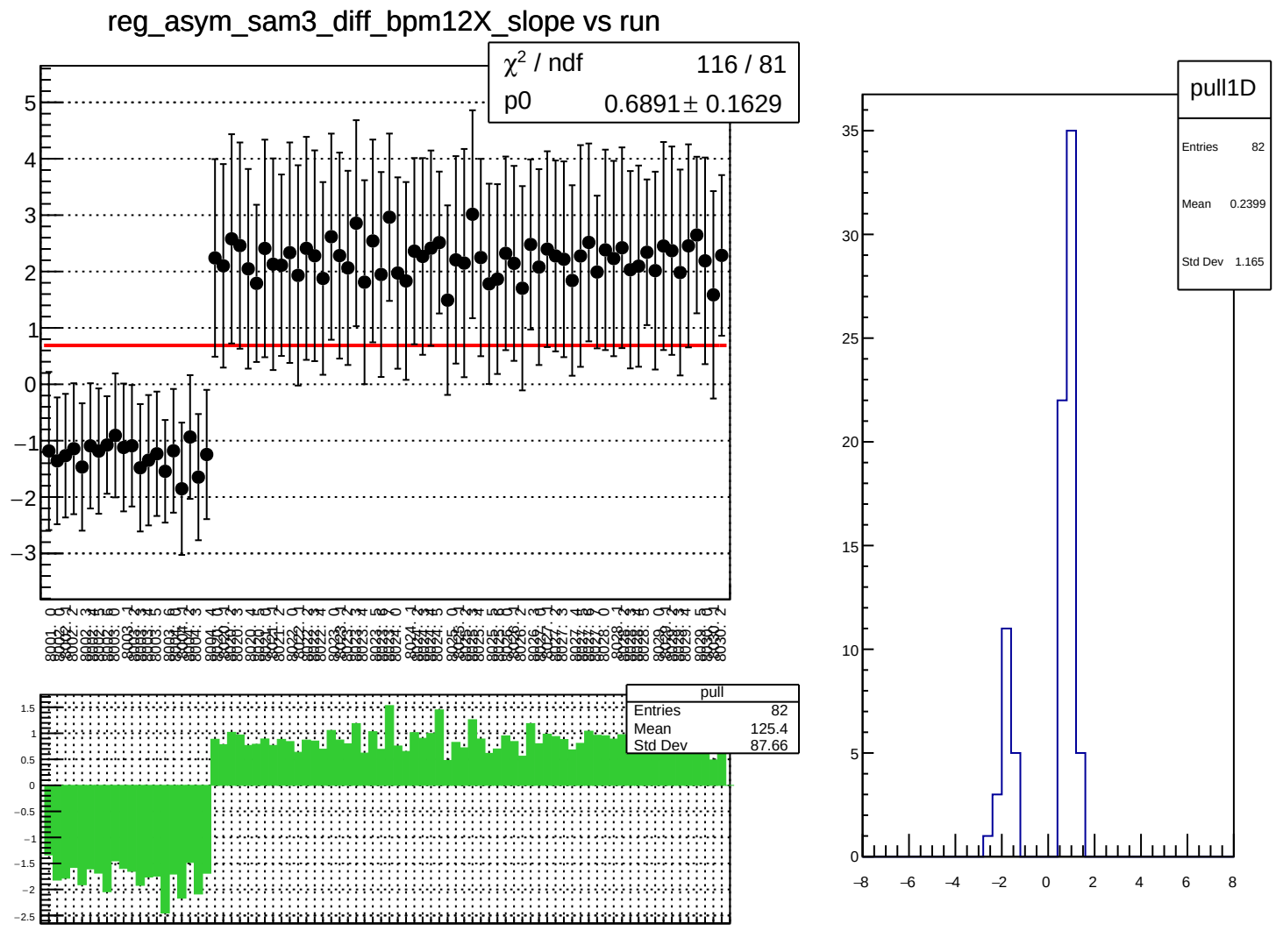

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 5.057 / 81
p0 −2.03 ± 3.196
pull
Entries 82
Mean −137.5
Std Dev 181.6

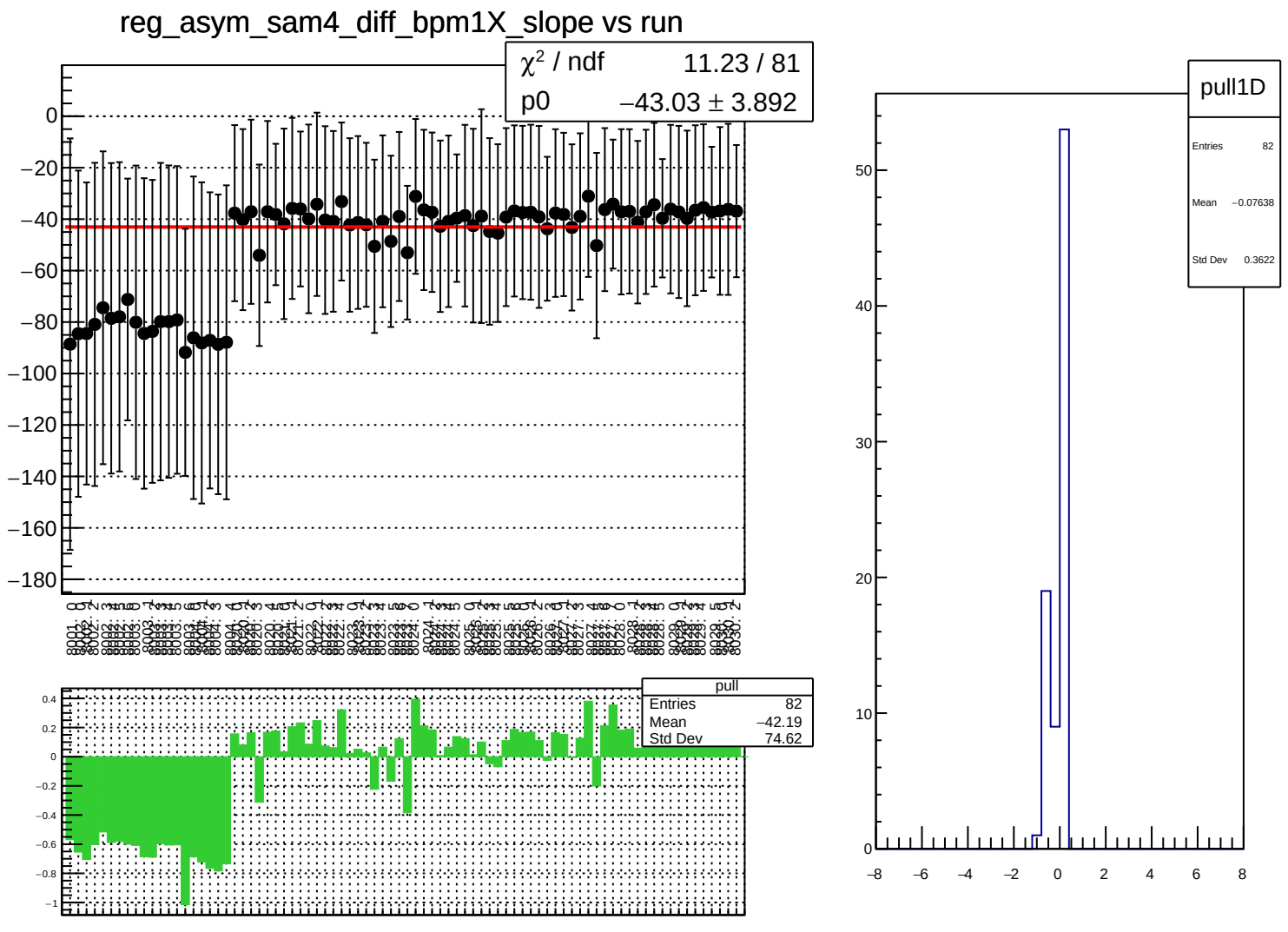

pull1D
Entries 82
Mean 0.01193
Std Dev 0.2481

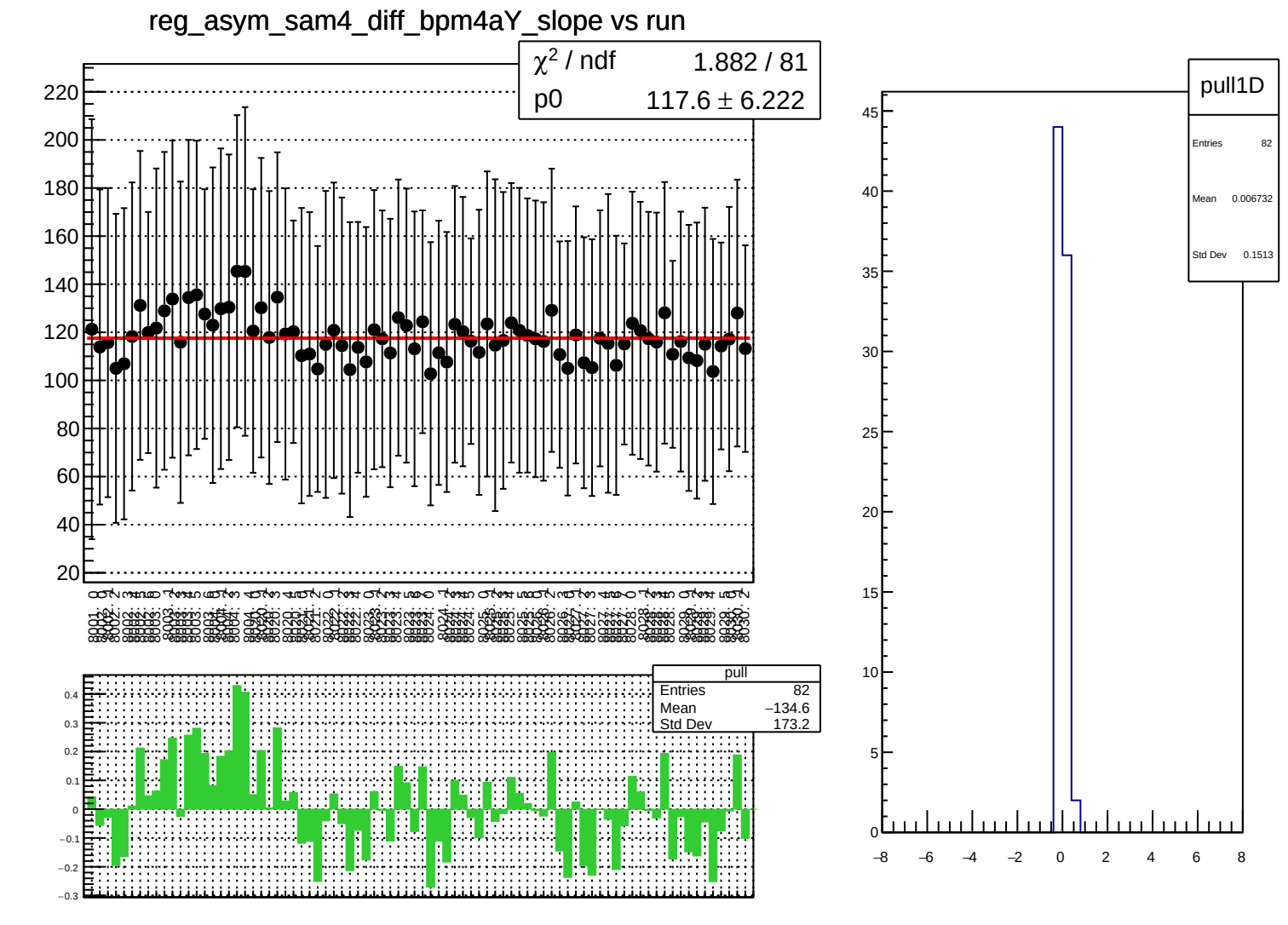

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 14.69 / 81
p0 −54.55 ± 2.088
pull
Entries 82
Mean −65.99
Std Dev 101.9
pull1D
Entries 82
Mean 0.06966
Std Dev 0.4175

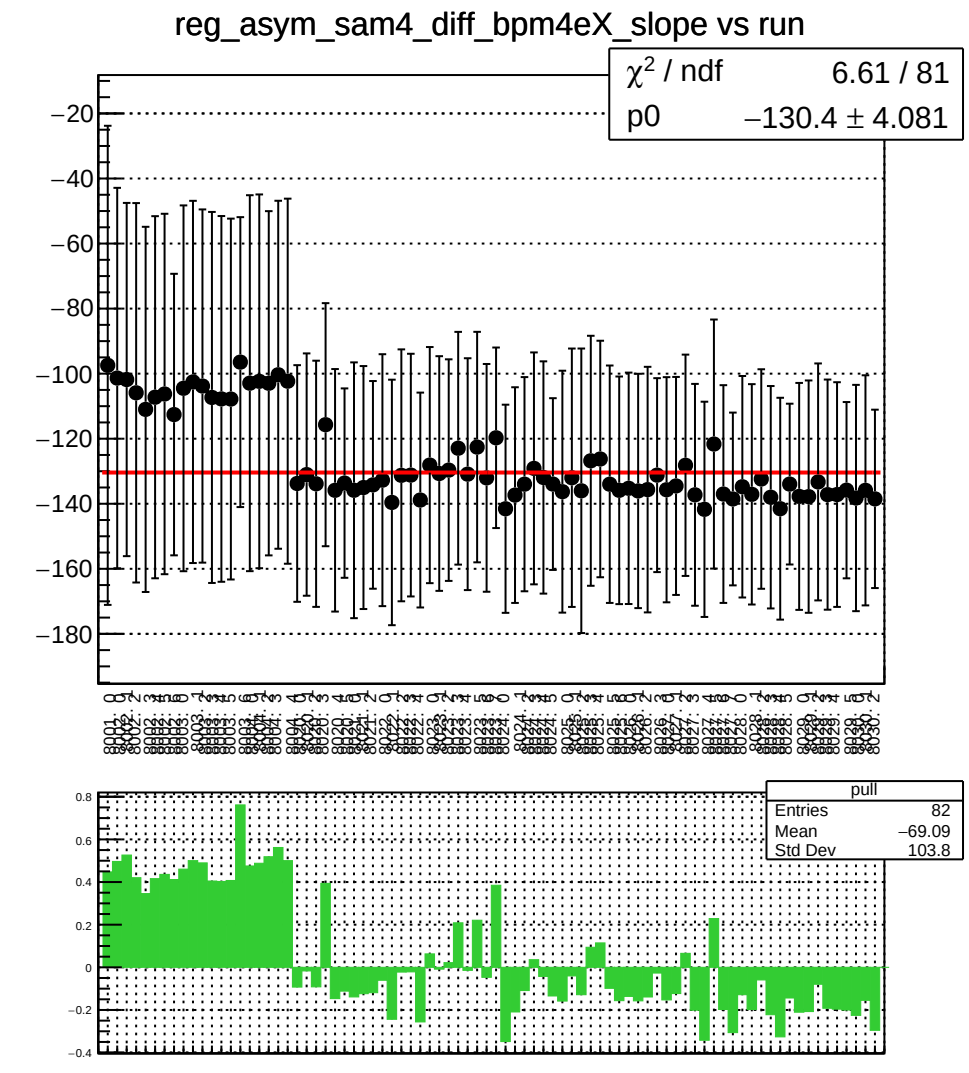

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 5.553 / 81
p0 20.55 ± 3.423
pull
Entries 82
Mean −107.3
Std Dev 147.3

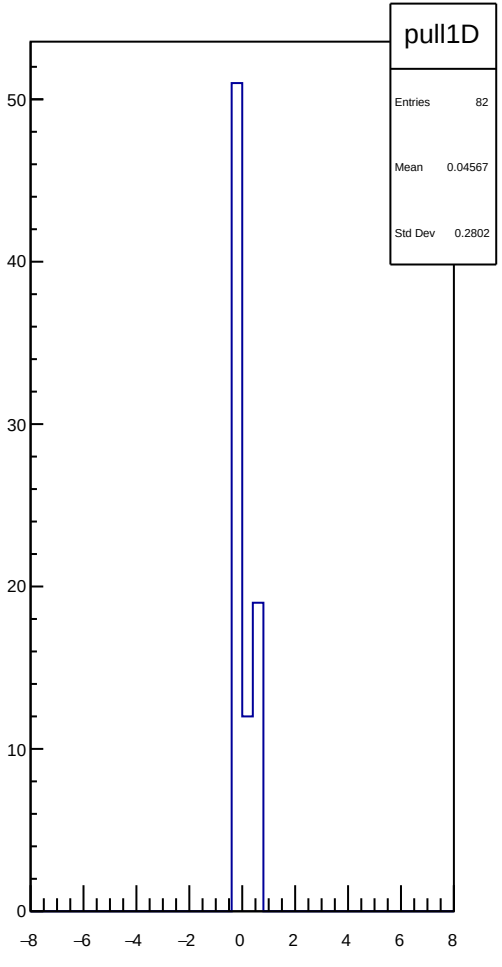

pull1D
Entries 82
Mean −0.0178
Std Dev 0.2596

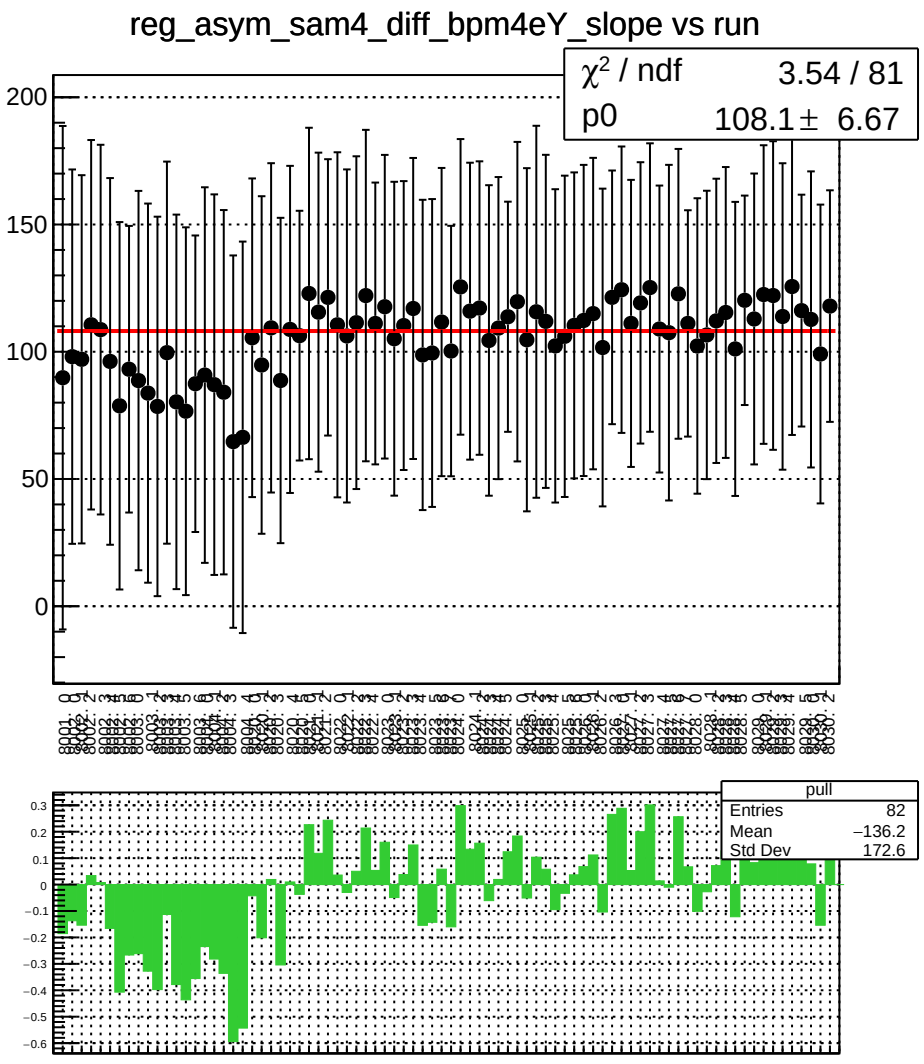

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 116 / 81
p0 0.6891 ± 0.1629
pull
Entries 82
Mean 125.4
Std Dev 87.66
pull1D
Entries 82
Mean 0.2399
Std Dev 1.165

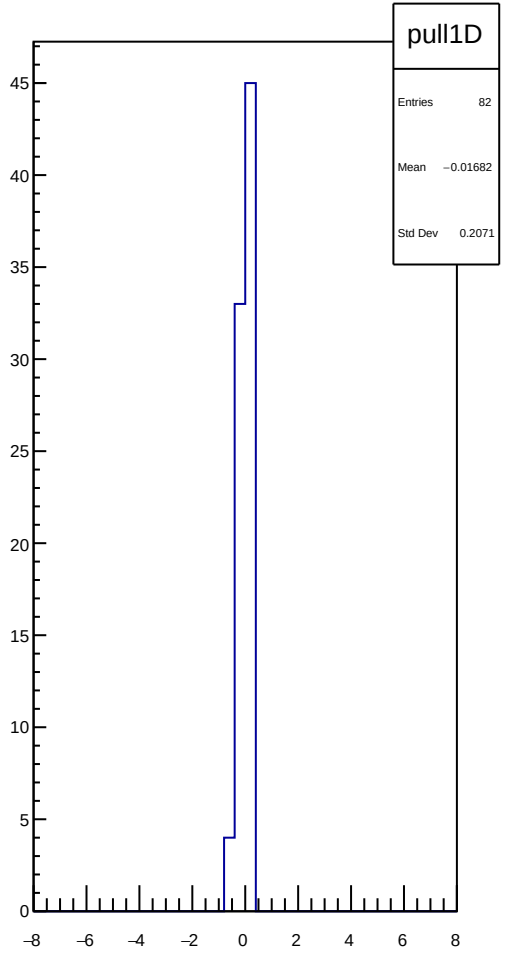

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 11.23 / 81
p0 −43.03 ± 3.892
pull
Entries 82
Mean −42.19
Std Dev 74.62
pull1D
Entries 82
Mean −0.07638
Std Dev 0.3622

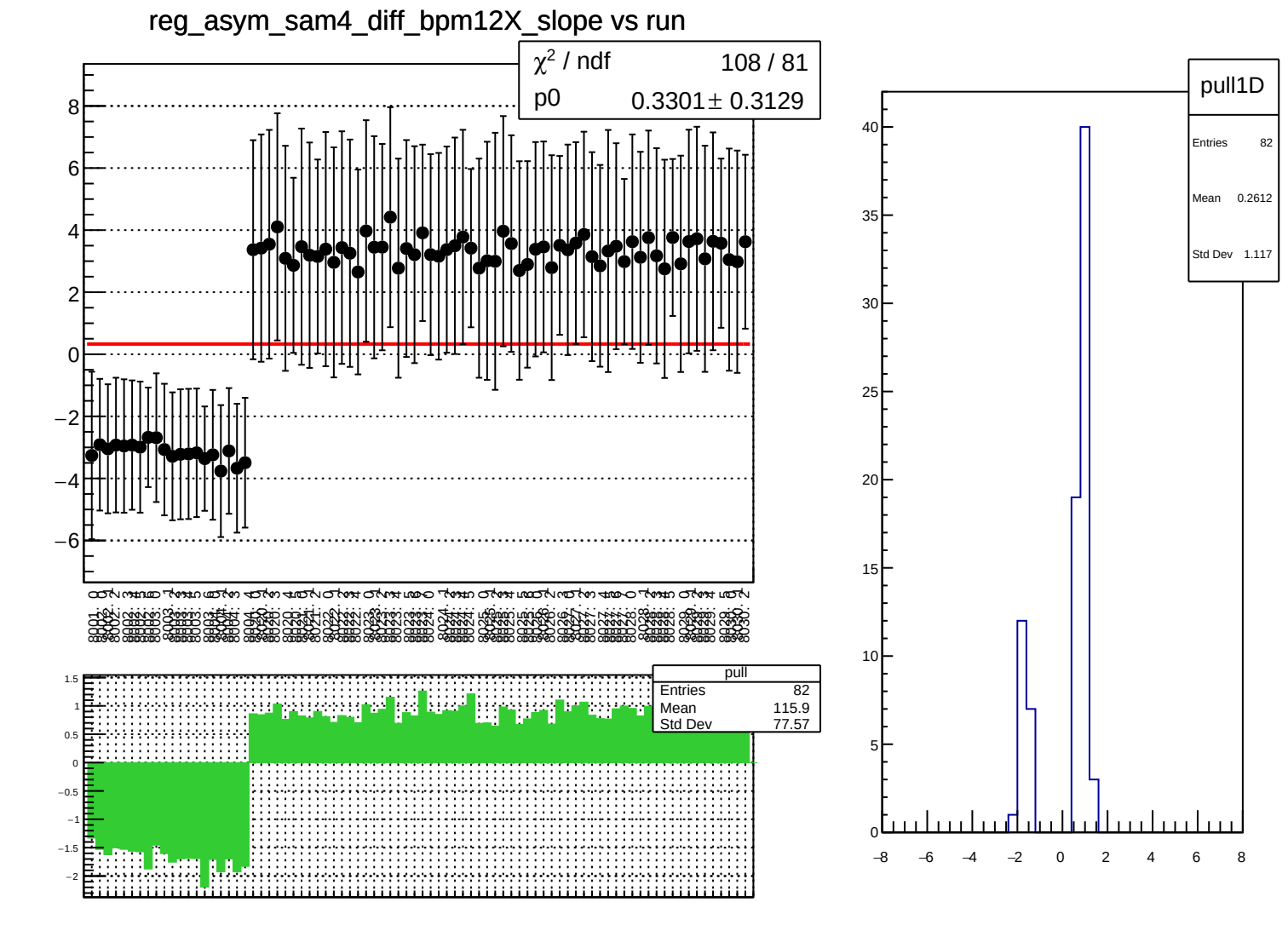

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.882 / 81
p0 117.6 ± 6.222
pull
Entries 82
Mean −134.6
Std Dev 173.2
pull1D
Entries 82
Mean 0.006732
Std Dev 0.1513

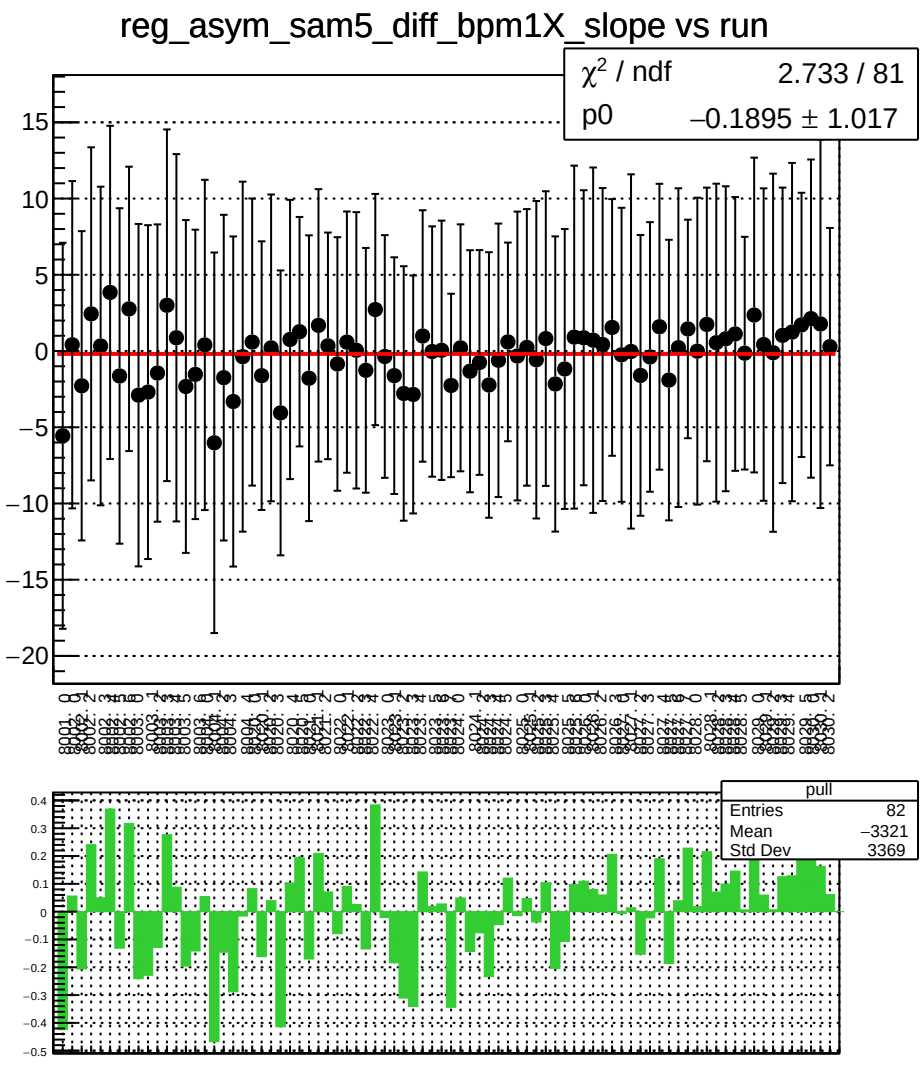

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 6.61 / 81
p0 −130.4 ± 4.081
pull
Entries 82
Mean −69.09
Std Dev 103.8

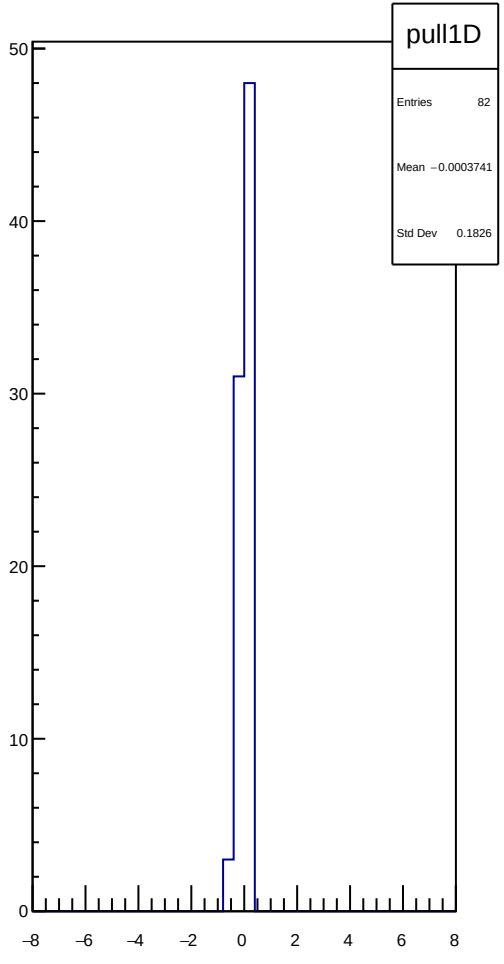

pull1D
Entries 82
Mean 0.04567
Std Dev 0.2802

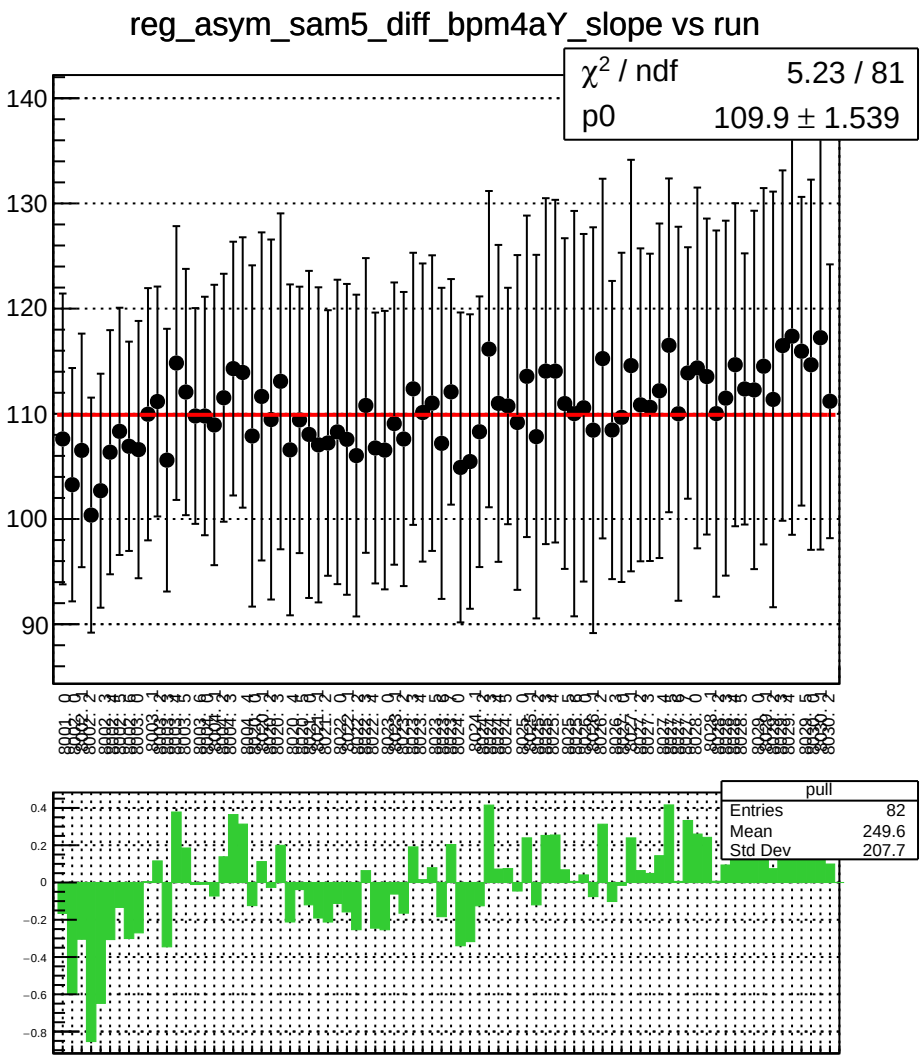

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 3.54 / 81
p0 108.1 ± 6.67
200
150
100
50
0
pull
Entries 82
Mean −136.2
Std Dev 172.6
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

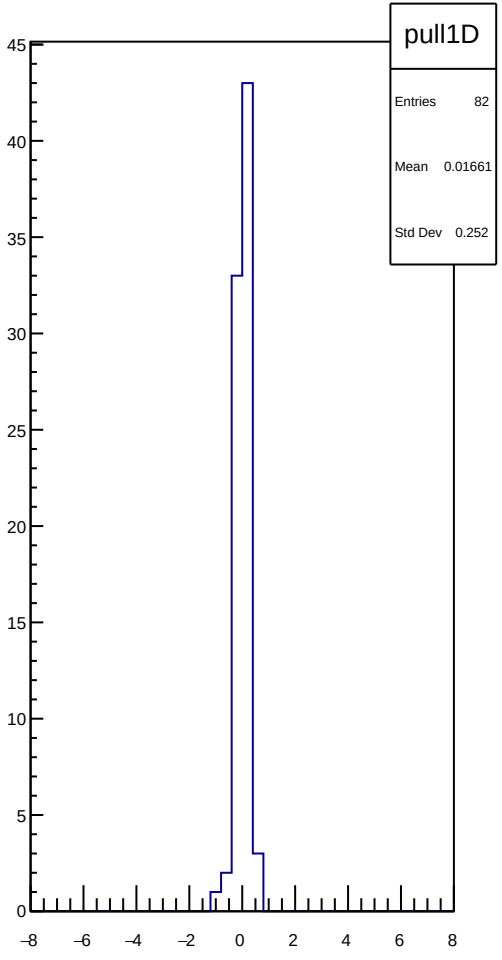

pull1D
Entries 82
Mean −0.01682
Std Dev 0.2071
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

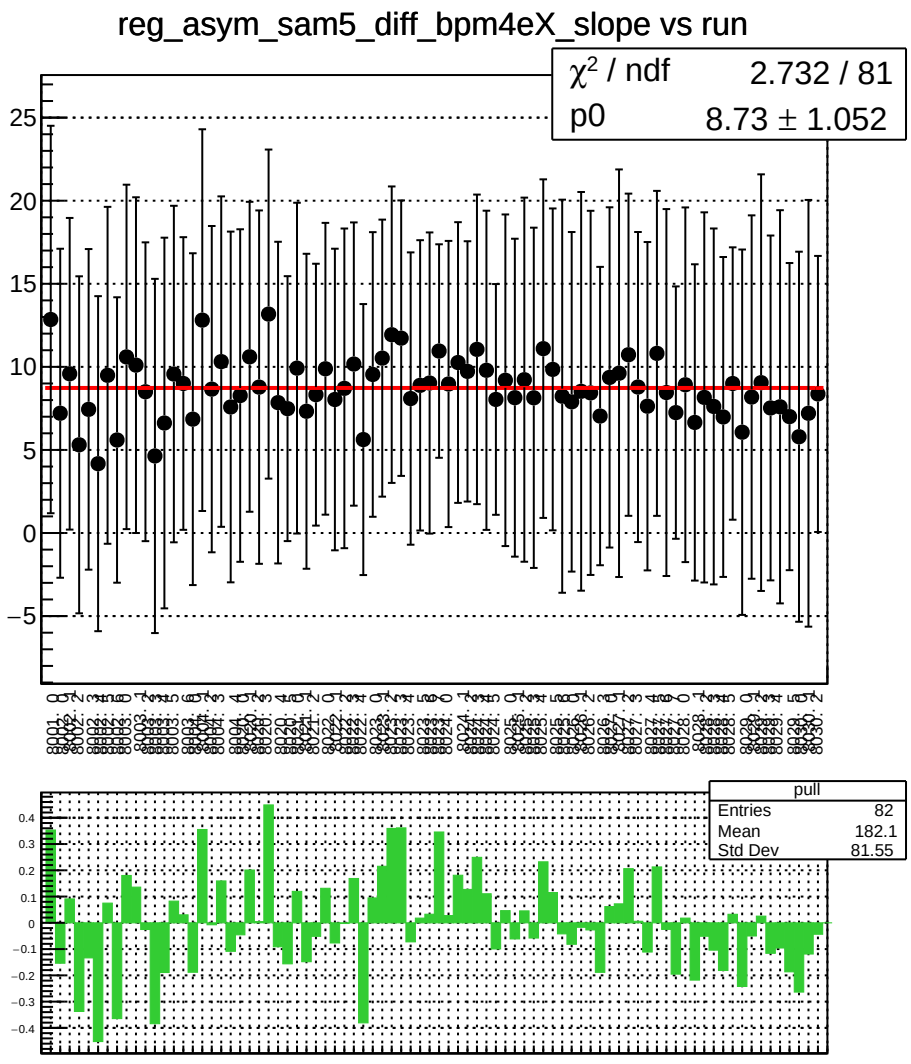

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 108 / 81
p0 0.3301 ± 0.3129
pull
Entries 82
Mean 115.9
Std Dev 77.57
pull1D
Entries 82
Mean 0.2612
Std Dev 1.117

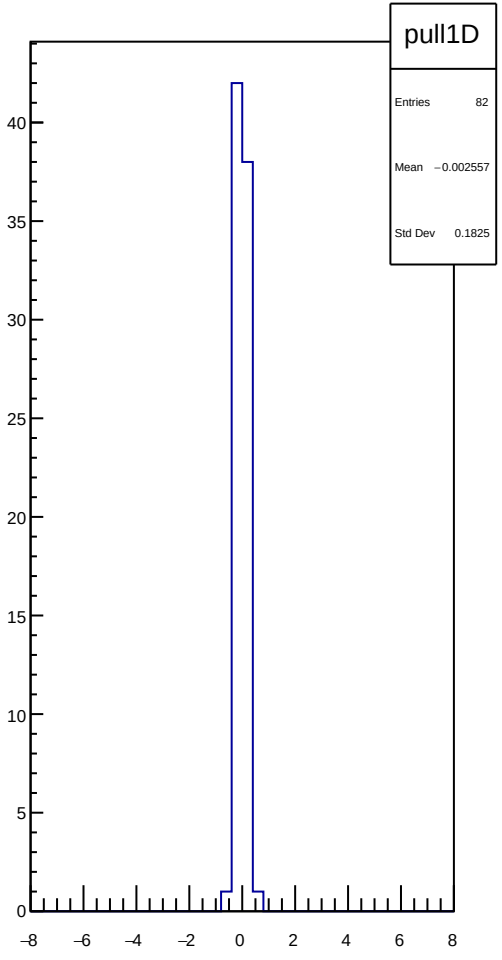

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 2.733 / 81
p0 −0.1895 ± 1.017
pull
Entries 82
Mean −3321
Std Dev 3369

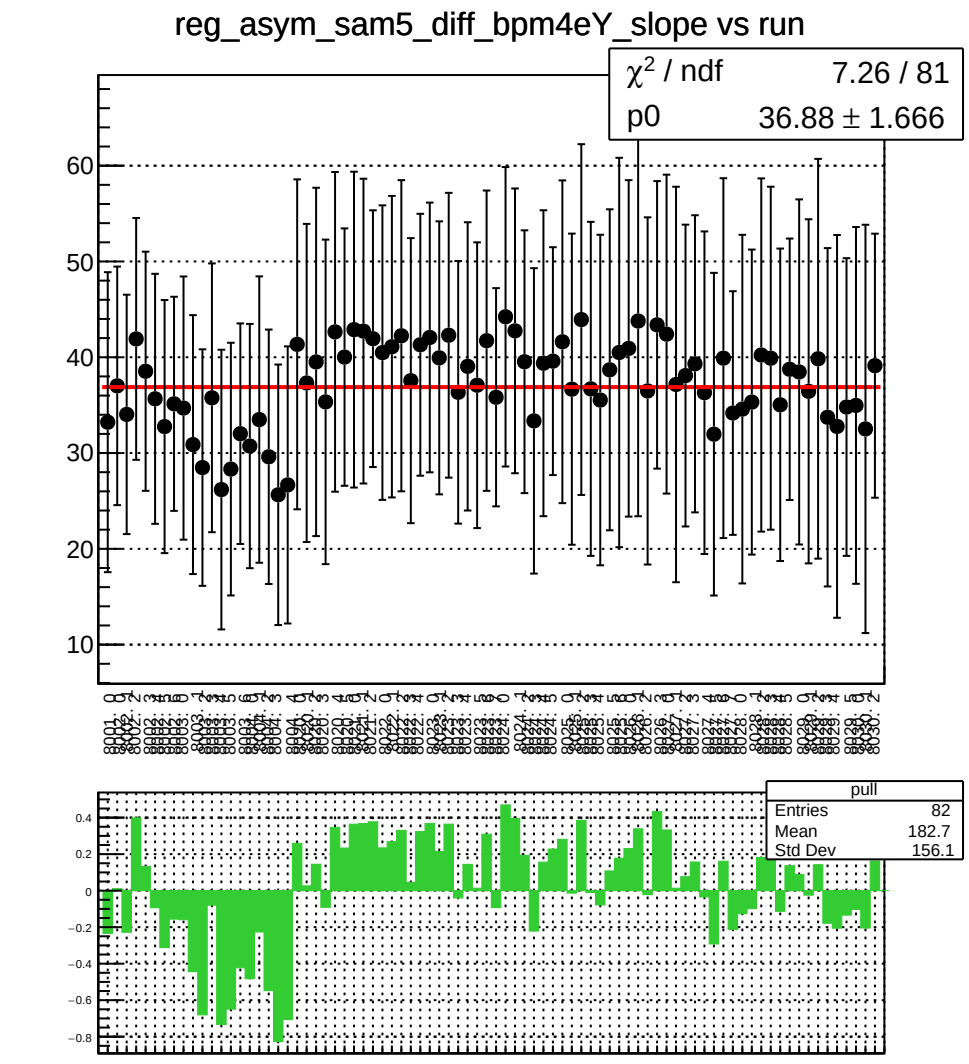

pull1D
Entries 82
Mean −0.0003741
Std Dev 0.1826

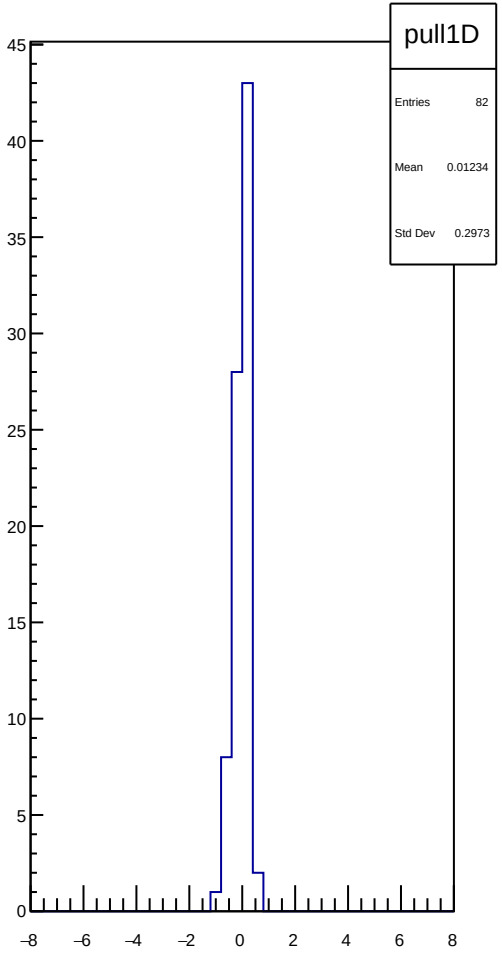

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 5.23 / 81
p0 109.9 ± 1.539
pull
Entries 82
Mean 249.6
Std Dev 207.7

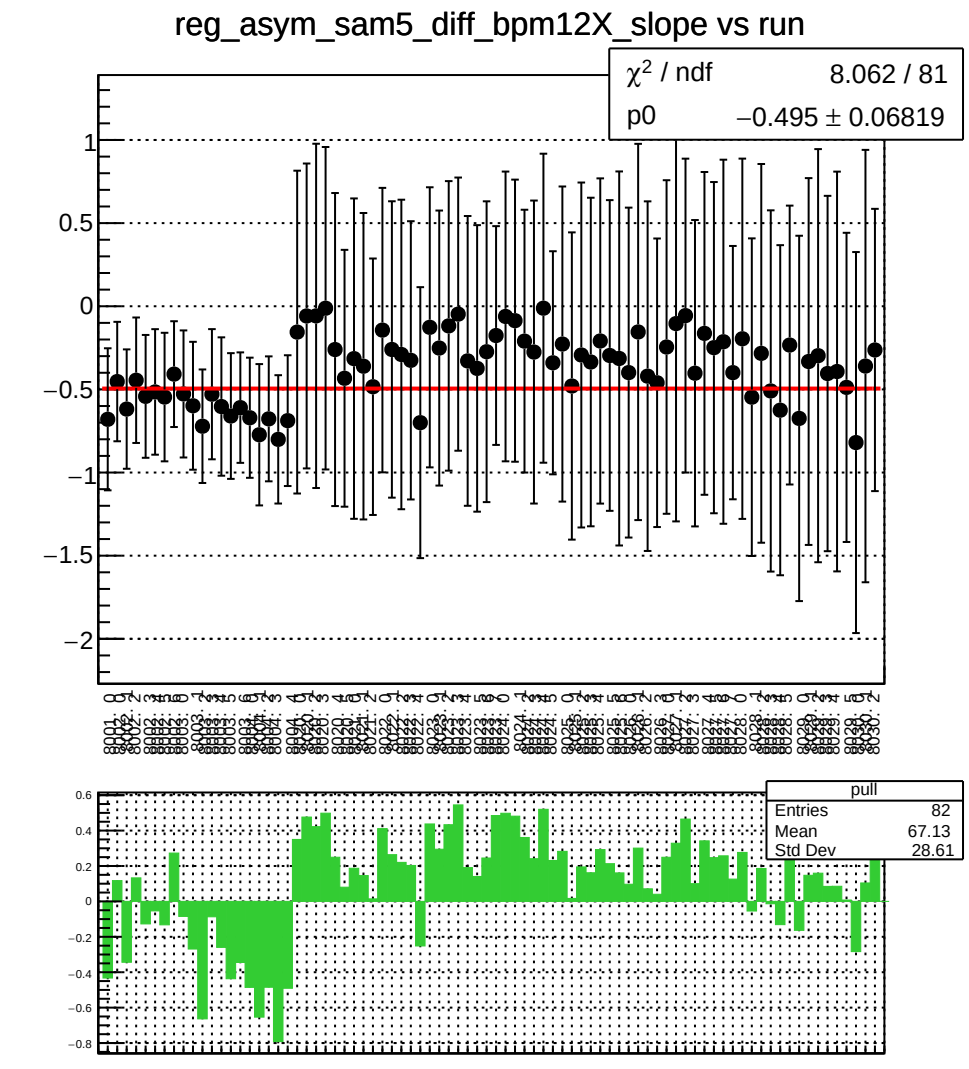

pull1D
Entries 82
Mean 0.01661
Std Dev 0.252

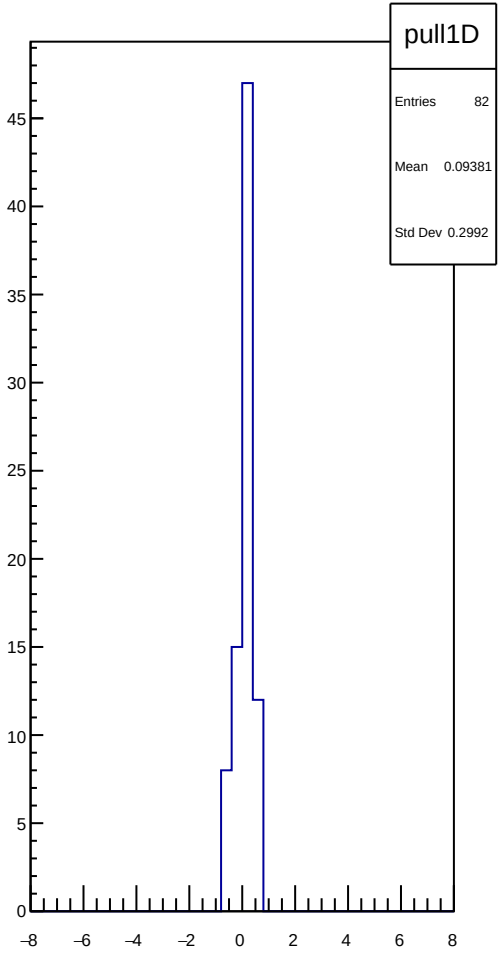

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.732 / 81
p0 8.73 ± 1.052
pull
Entries 82
Mean 182.1
Std Dev 81.55

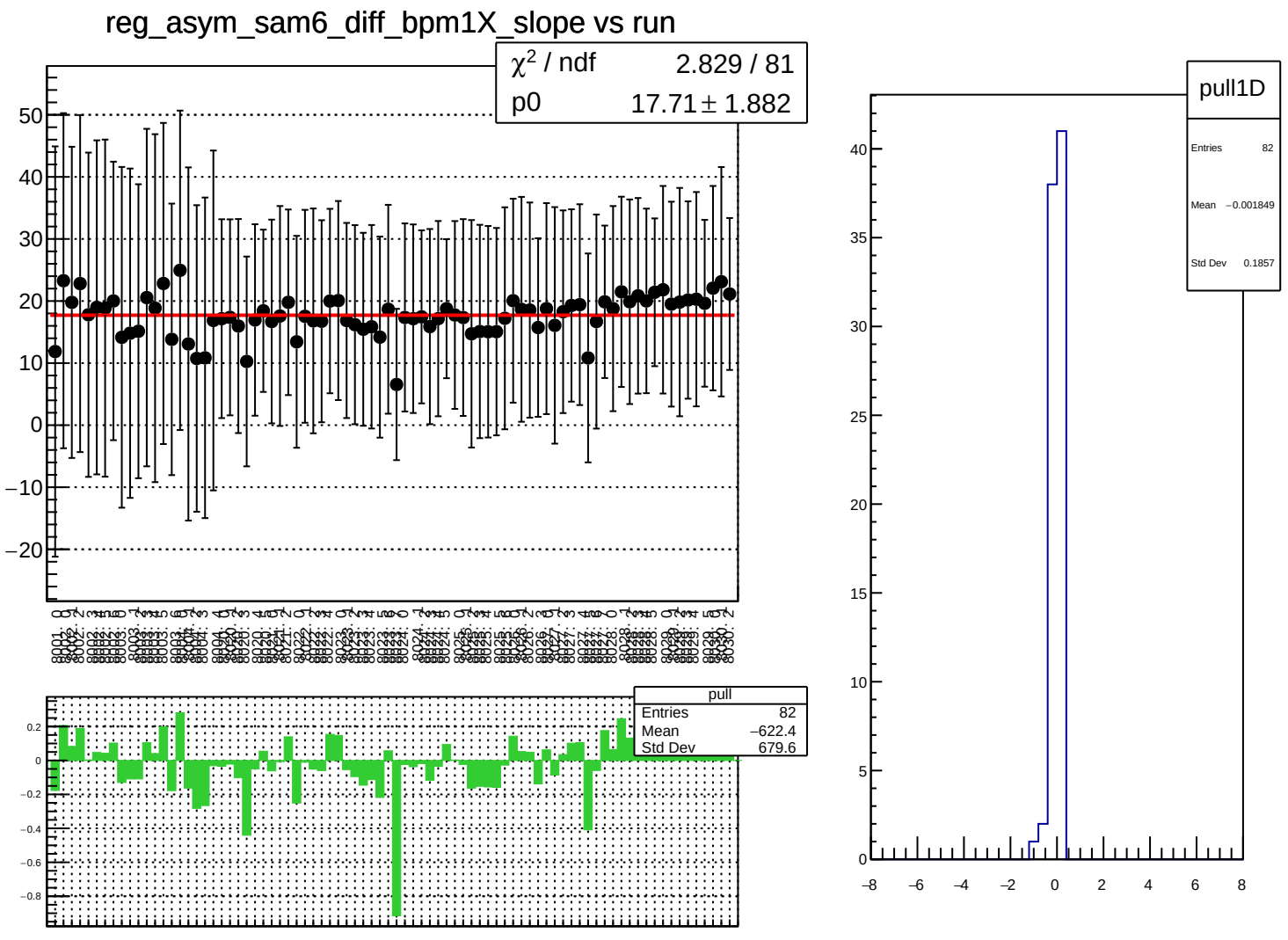

pull1D
Entries 82
Mean −0.002557
Std Dev 0.1825

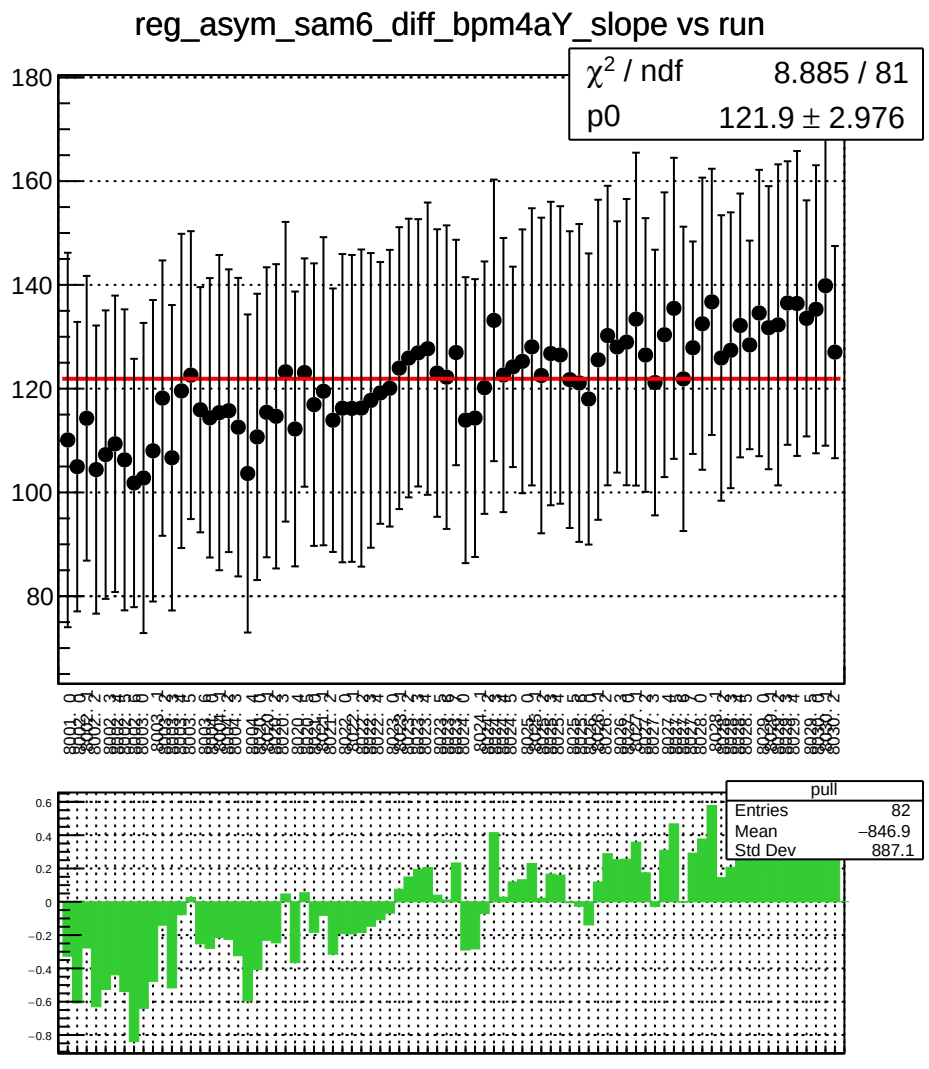

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 7.26 / 81
p0 36.88 ± 1.666
pull
Entries 82
Mean 182.7
Std Dev 156.1

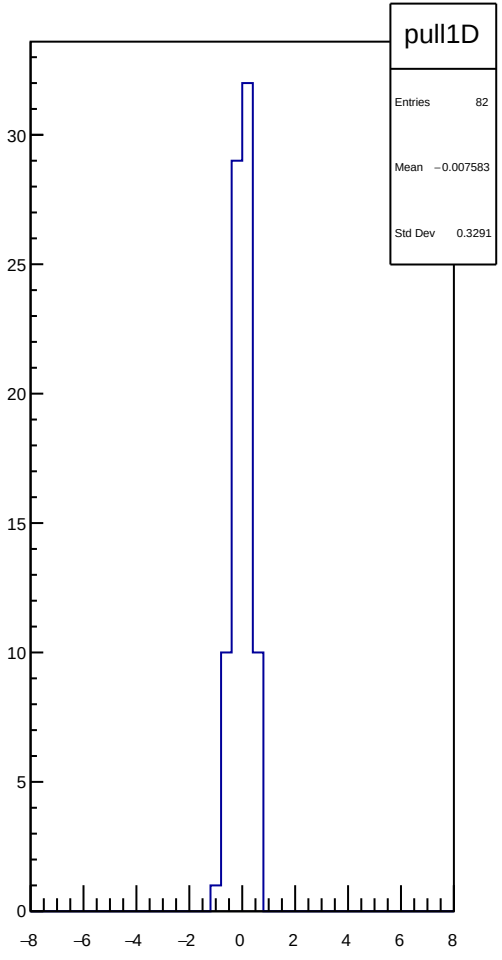

pull1D
Entries 82
Mean 0.01234
Std Dev 0.2973

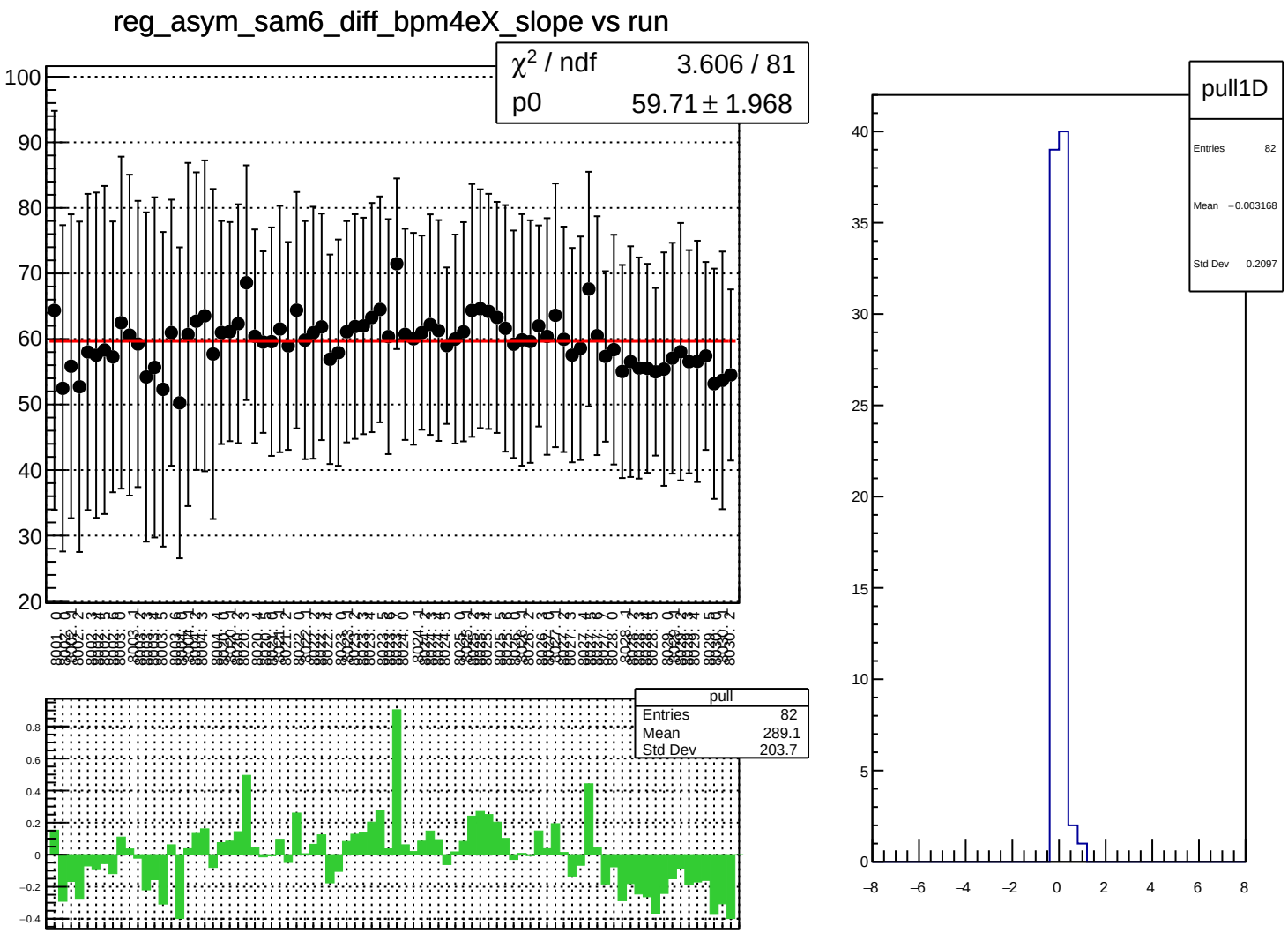

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 8.062 / 81
p0 −0.495 ± 0.06819
pull
Entries 82
Mean 67.13
Std Dev 28.61

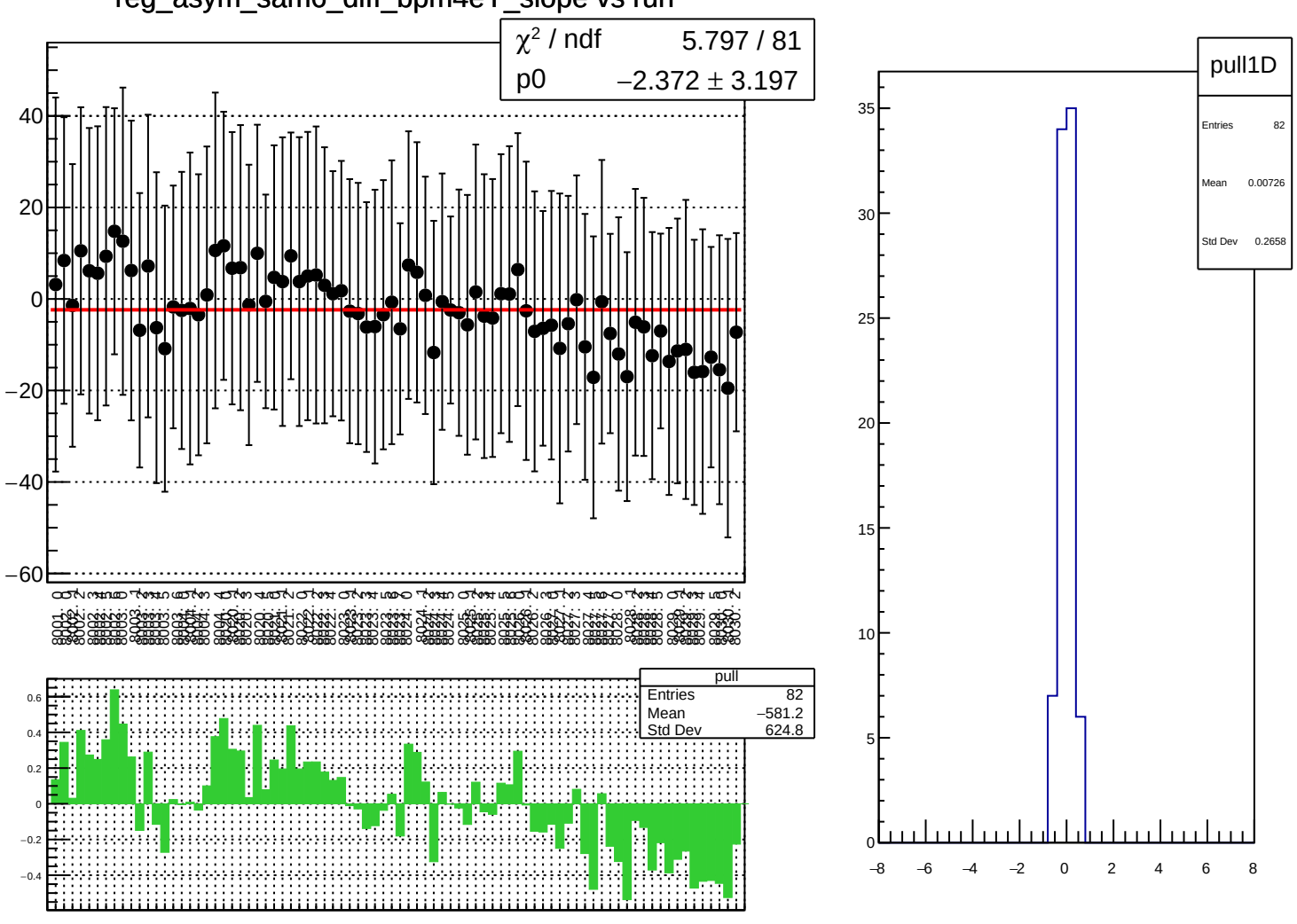

pull1D
Entries 82
Mean 0.09381
Std Dev 0.2992

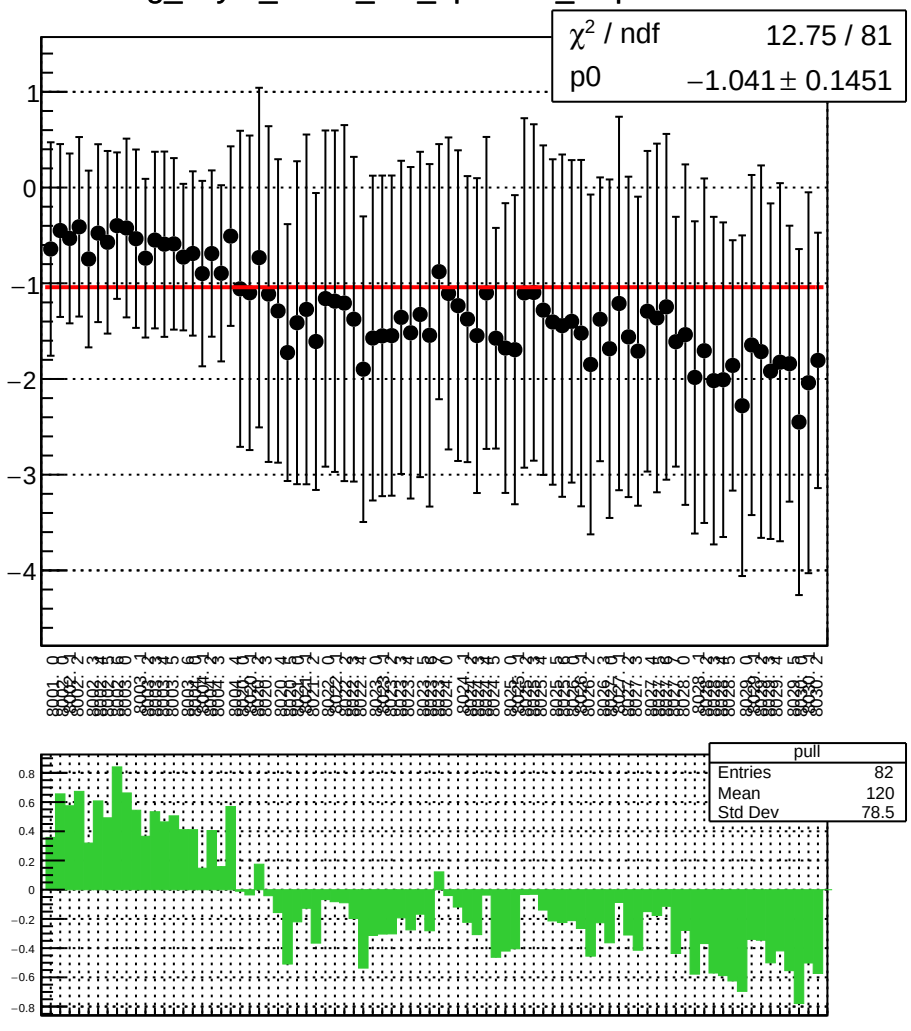

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.829 / 81
p0 17.71 ± 1.882
pull
Entries 82
Mean −622.4
Std Dev 679.6
pull1D
Entries 82
Mean −0.001849
Std Dev 0.1857

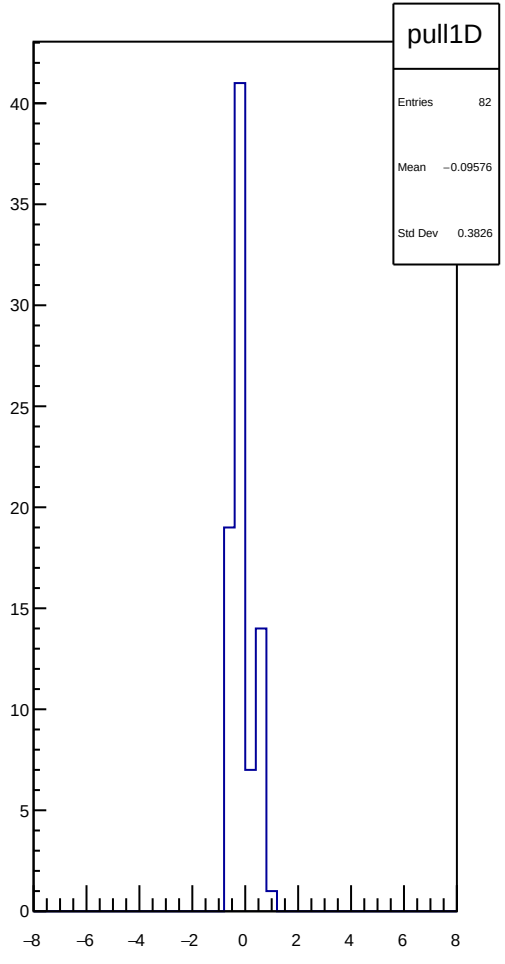

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 8.885 / 81
p0 121.9 ± 2.976
pull
Entries 82
Mean −846.9
Std Dev 887.1

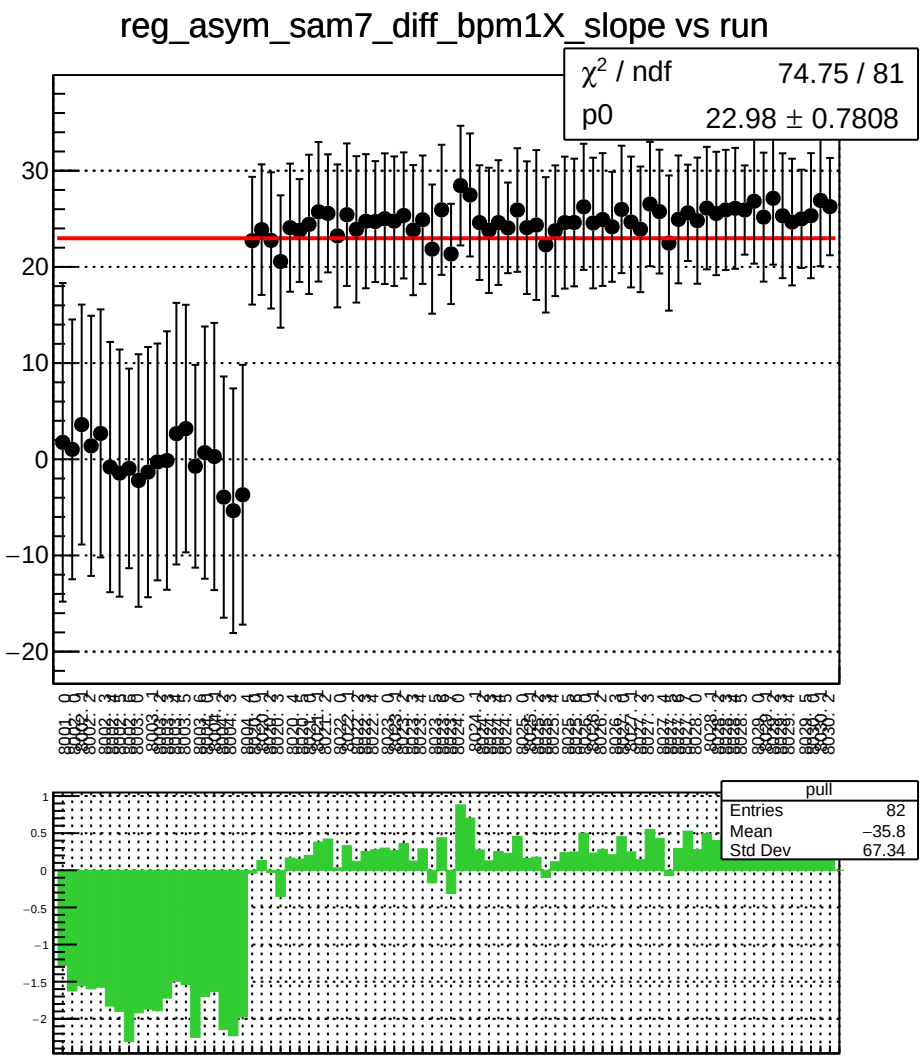

pull1D
Entries 82
Mean −0.007583
Std Dev 0.3291

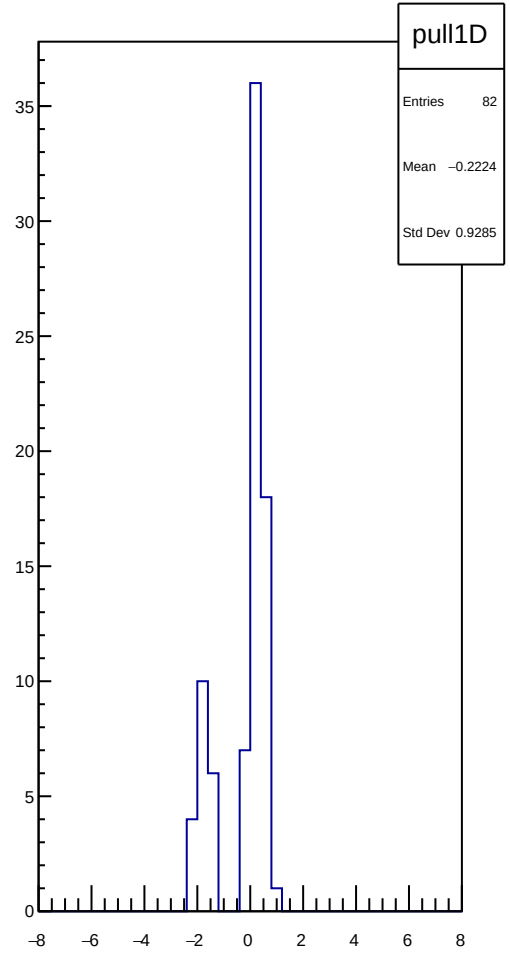

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.606 / 81
p0 59.71 ± 1.968
pull
Entries 82
Mean 289.1
Std Dev 203.7
pull1D
Entries 82
Mean −0.003168
Std Dev 0.2097

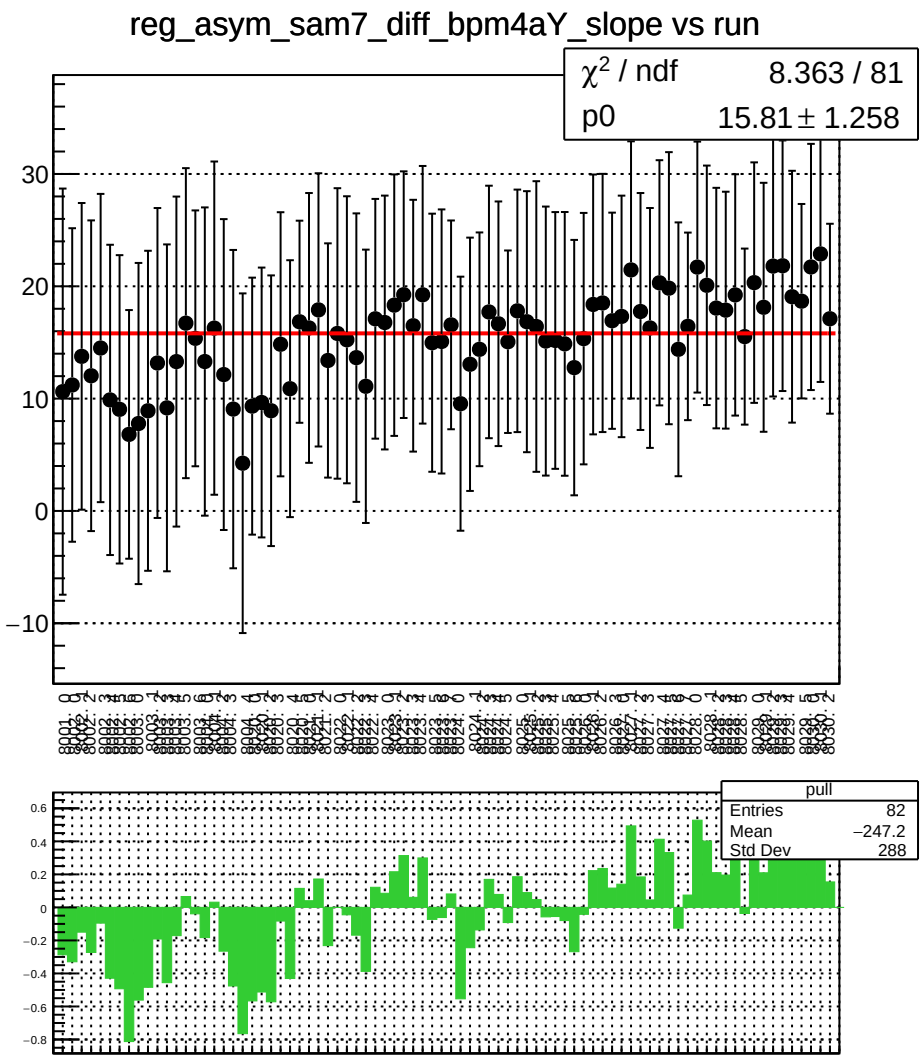

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 5.797 / 81
p0 −2.372 ± 3.197
pull
Entries 82
Mean −581.2
Std Dev 624.8
pull1D
Entries 82
Mean 0.00726
Std Dev 0.2658

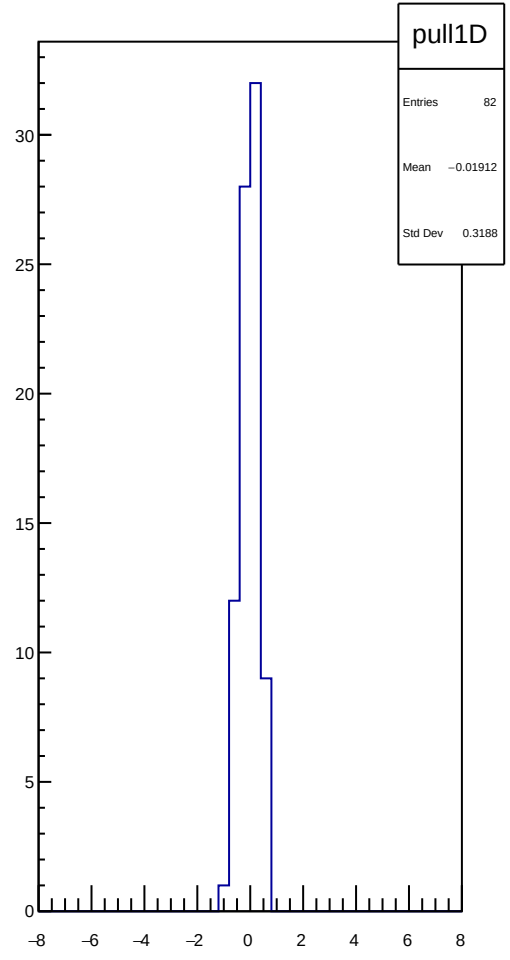

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 12.75 / 81
p0 −1.041 ± 0.1451
pull
Entries 82
Mean 120
Std Dev 78.5

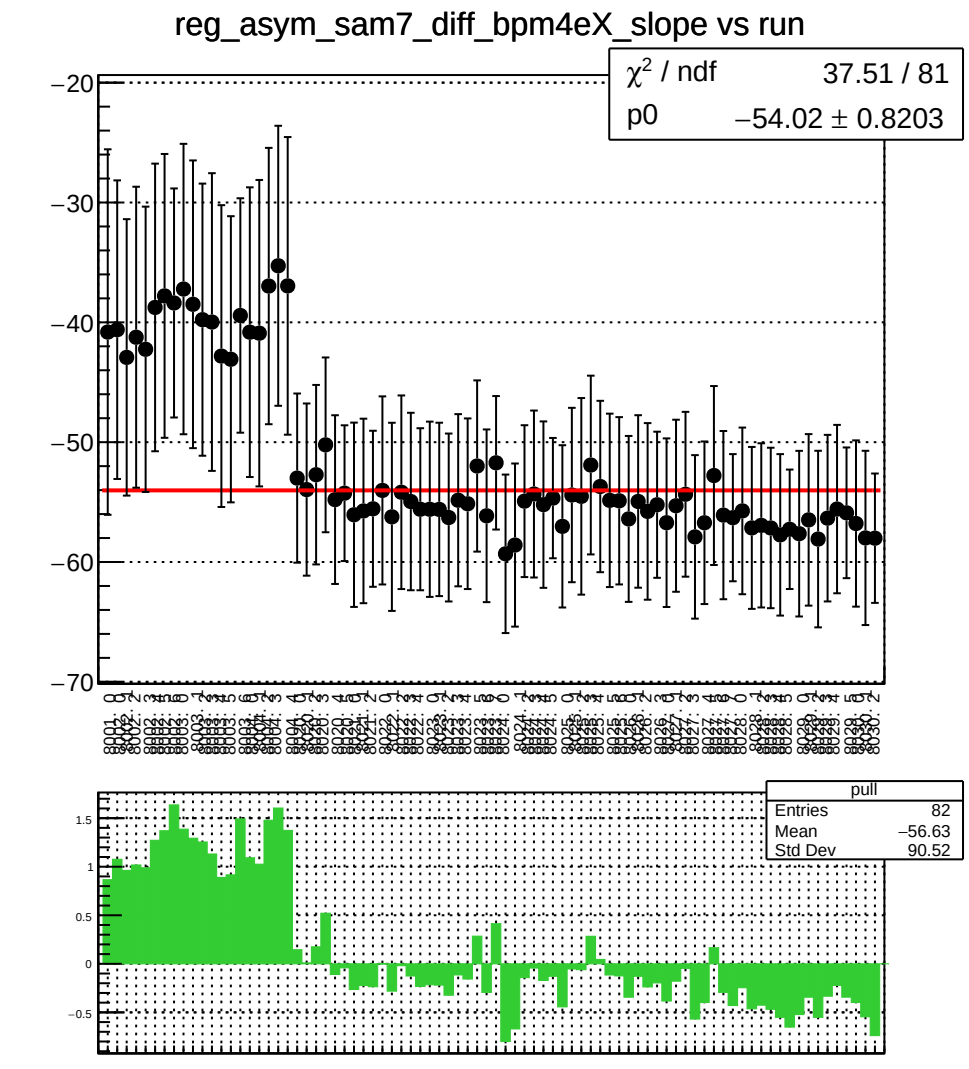

pull1D
Entries 82
Mean −0.09576
Std Dev 0.3826

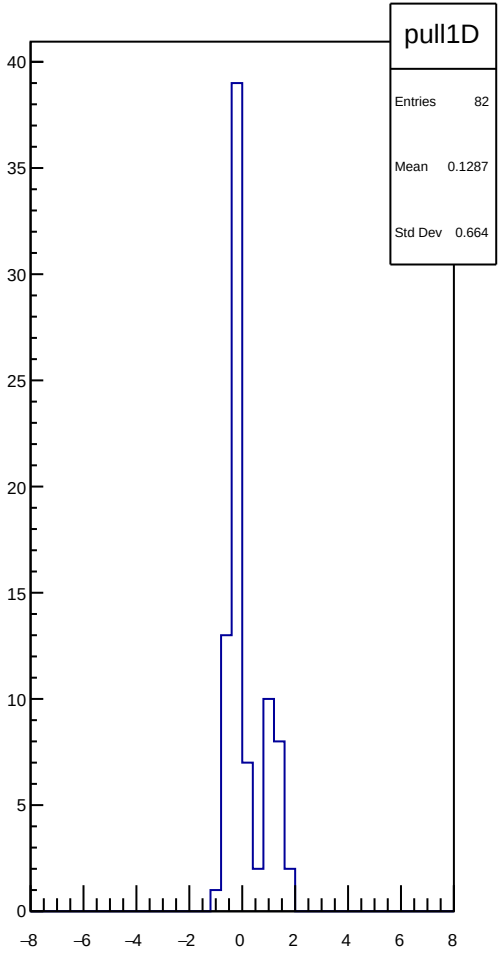

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 74.75 / 81
p0 22.98 ± 0.7808
pull
Entries 82
Mean −35.8
Std Dev 67.34

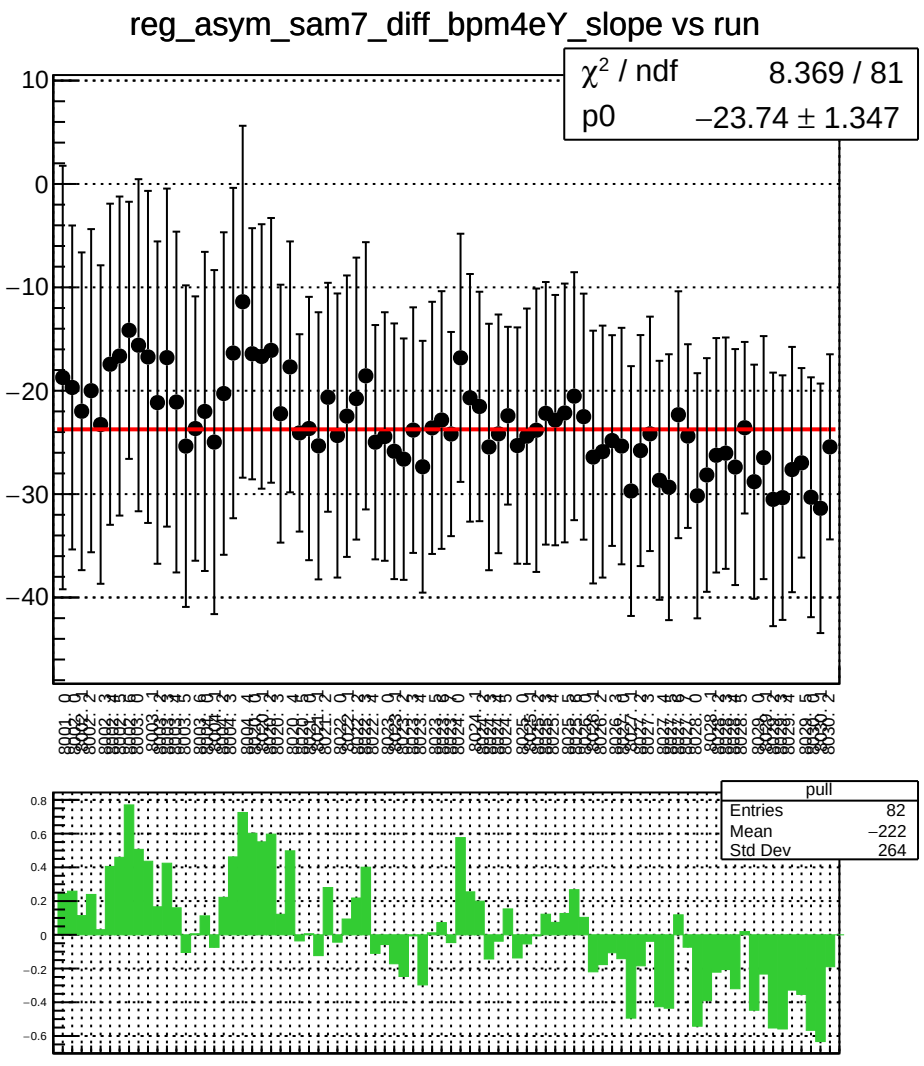

pull1D
Entries 82
Mean −0.2224
Std Dev 0.9285

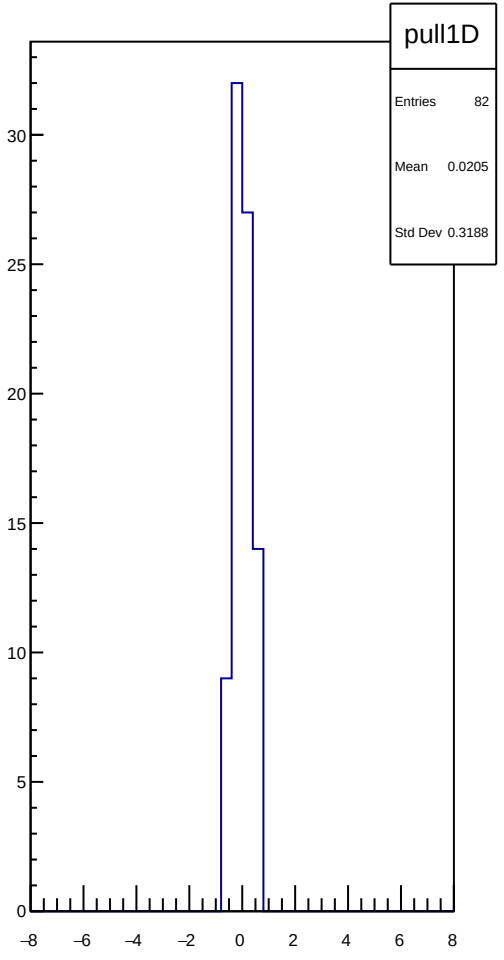

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 8.363 / 81
p0 15.81 ± 1.258
pull
Entries 82
Mean −247.2
Std Dev 288

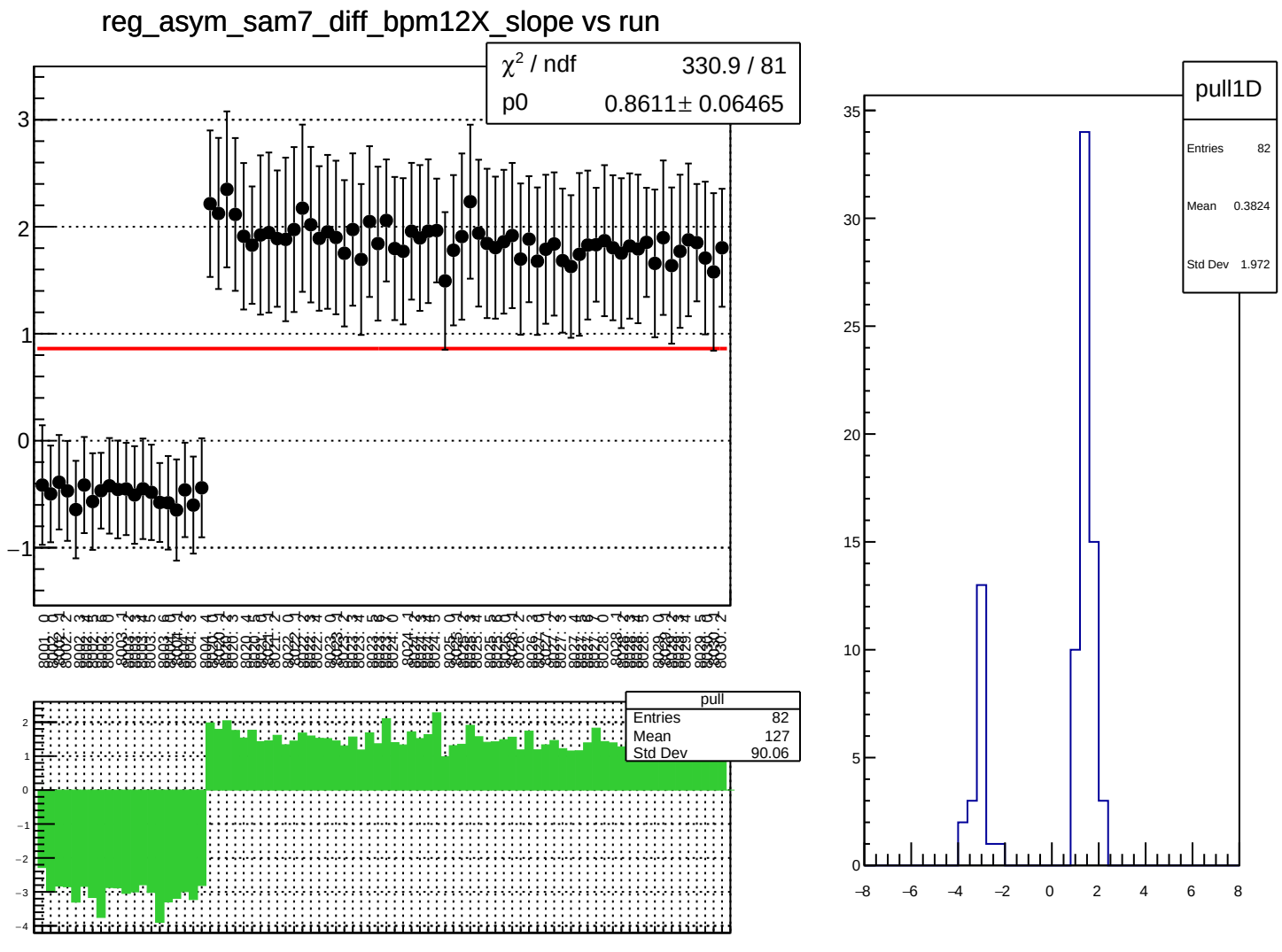

pull1D
Entries 82
Mean −0.01912
Std Dev 0.3188

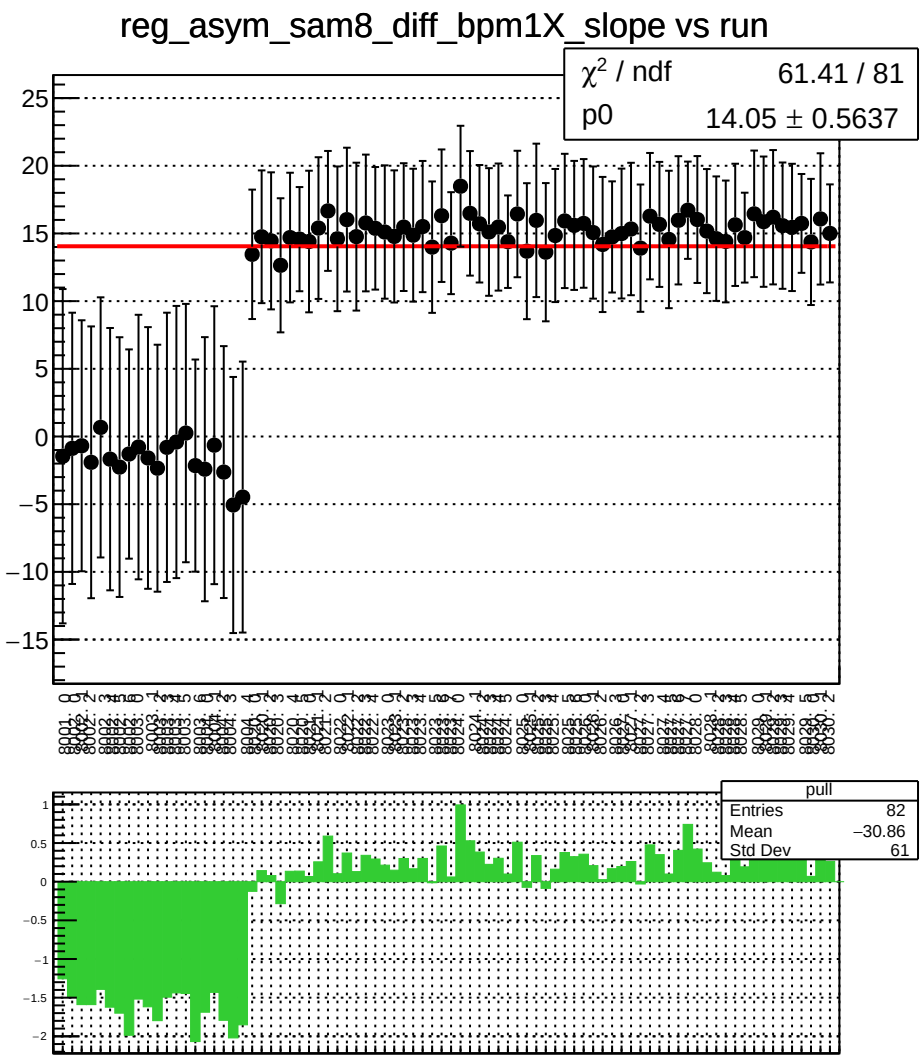

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 37.51 / 81
p0 −54.02 ± 0.8203
pull
Entries 82
Mean −56.63
Std Dev 90.52

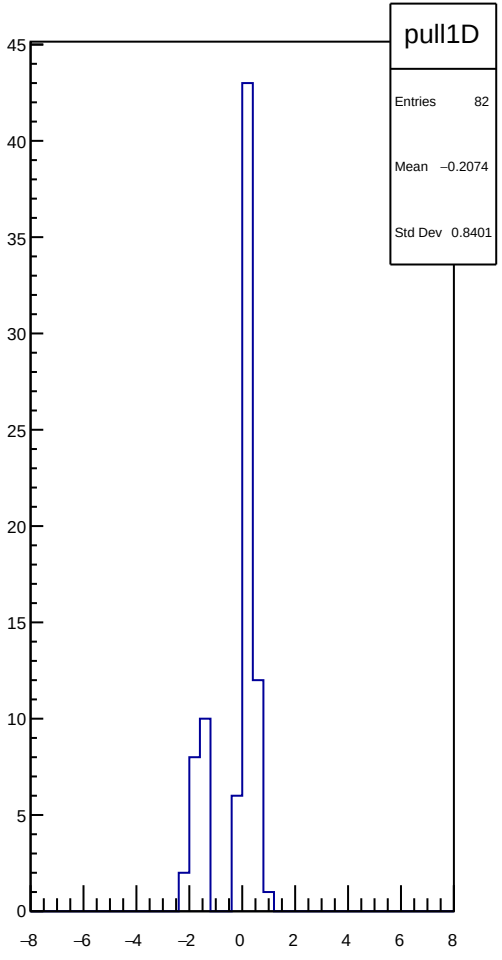

pull1D
Entries 82
Mean 0.1287
Std Dev 0.664

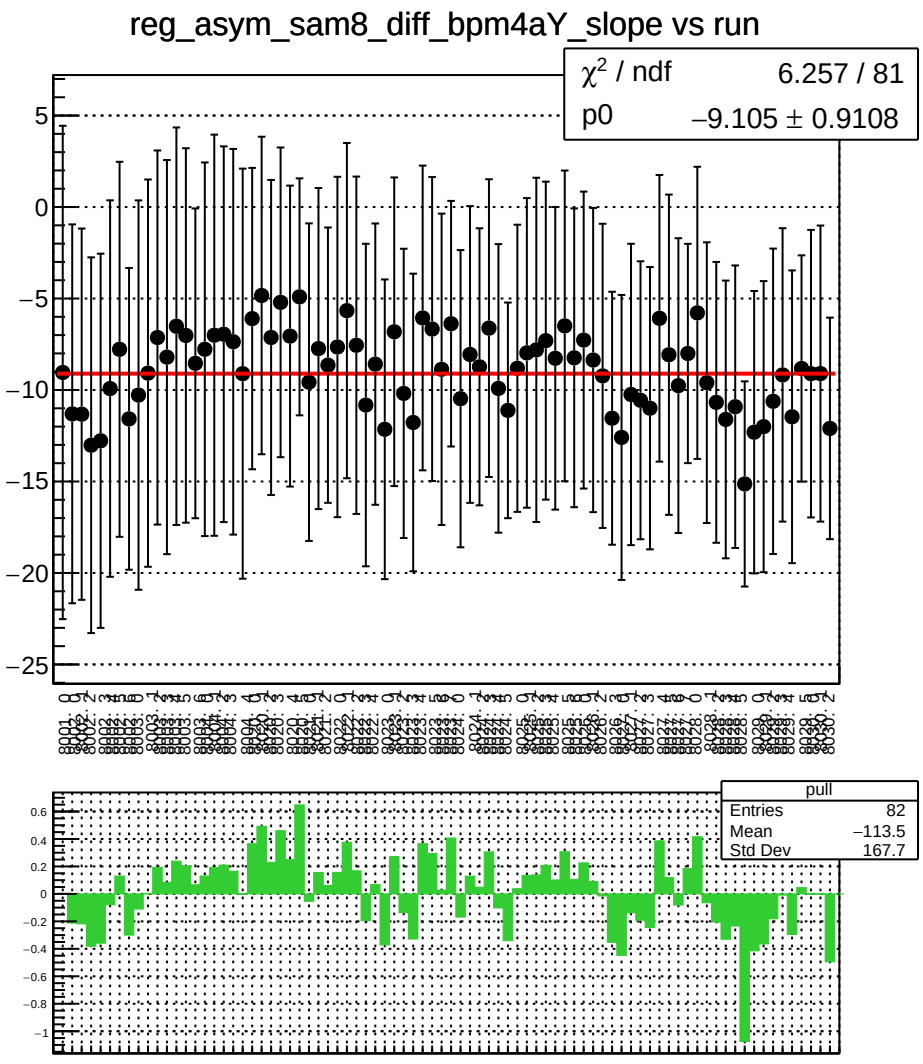

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 8.369 / 81
p0 −23.74 ± 1.347
pull
Entries 82
Mean −222
Std Dev 264

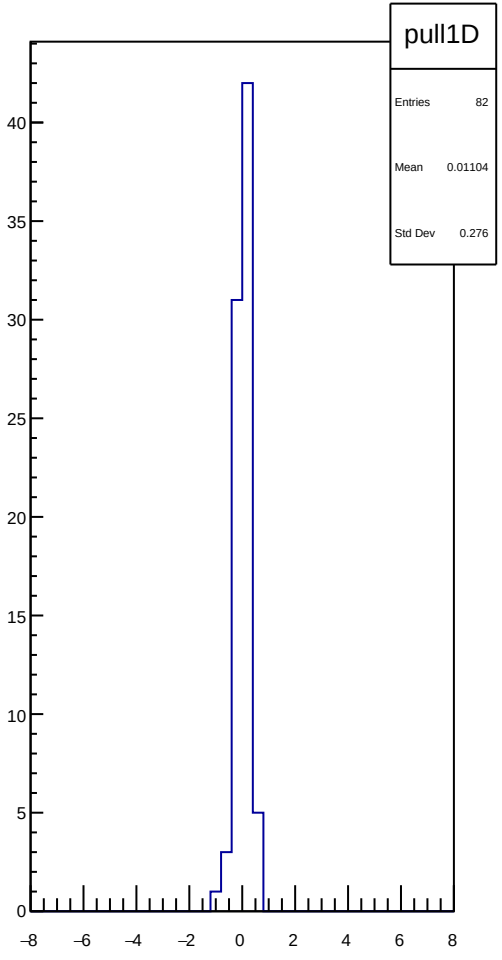

pull1D
Entries 82
Mean 0.0205
Std Dev 0.3188

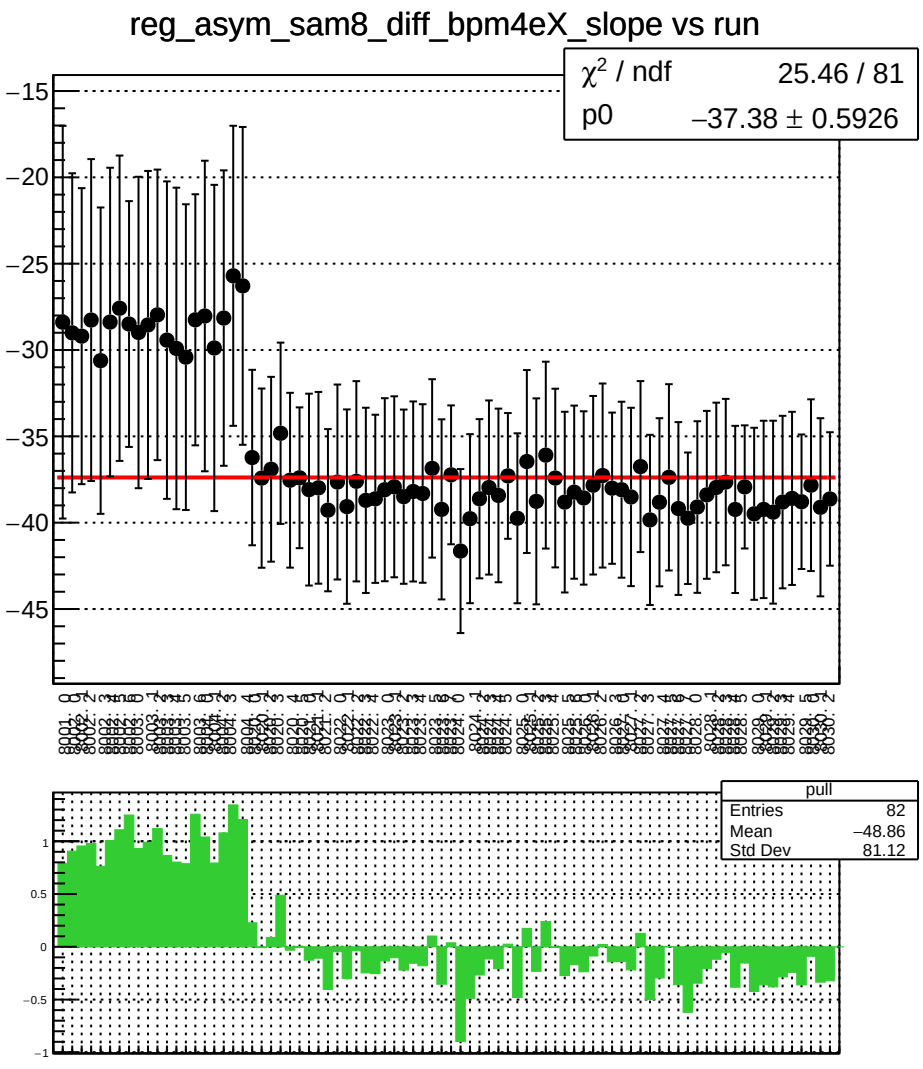

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 330.9 / 81
p0 0.8611± 0.06465
pull
Entries 82
Mean 127
Std Dev 90.06
pull1D
Entries 82
Mean 0.3824
Std Dev 1.972

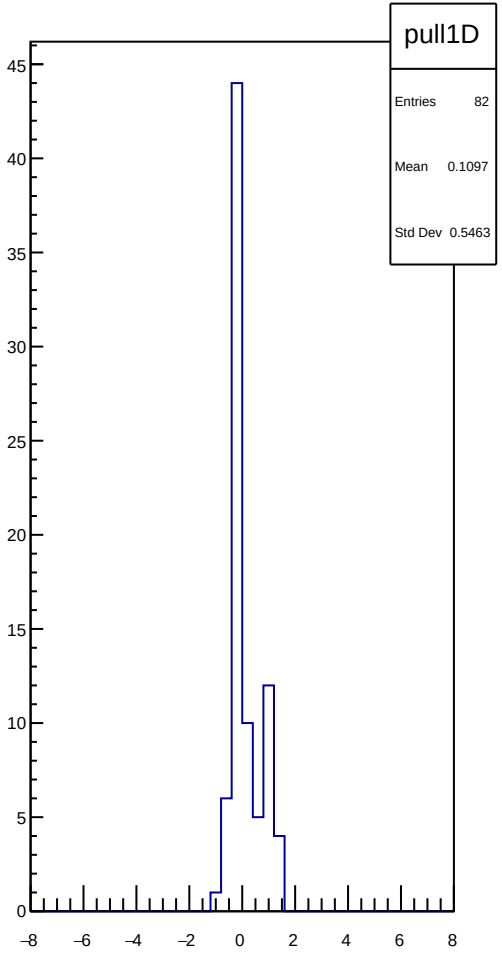

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 61.41 / 81
p0 14.05 ± 0.5637
pull
Entries 82
Mean −30.86
Std Dev 61

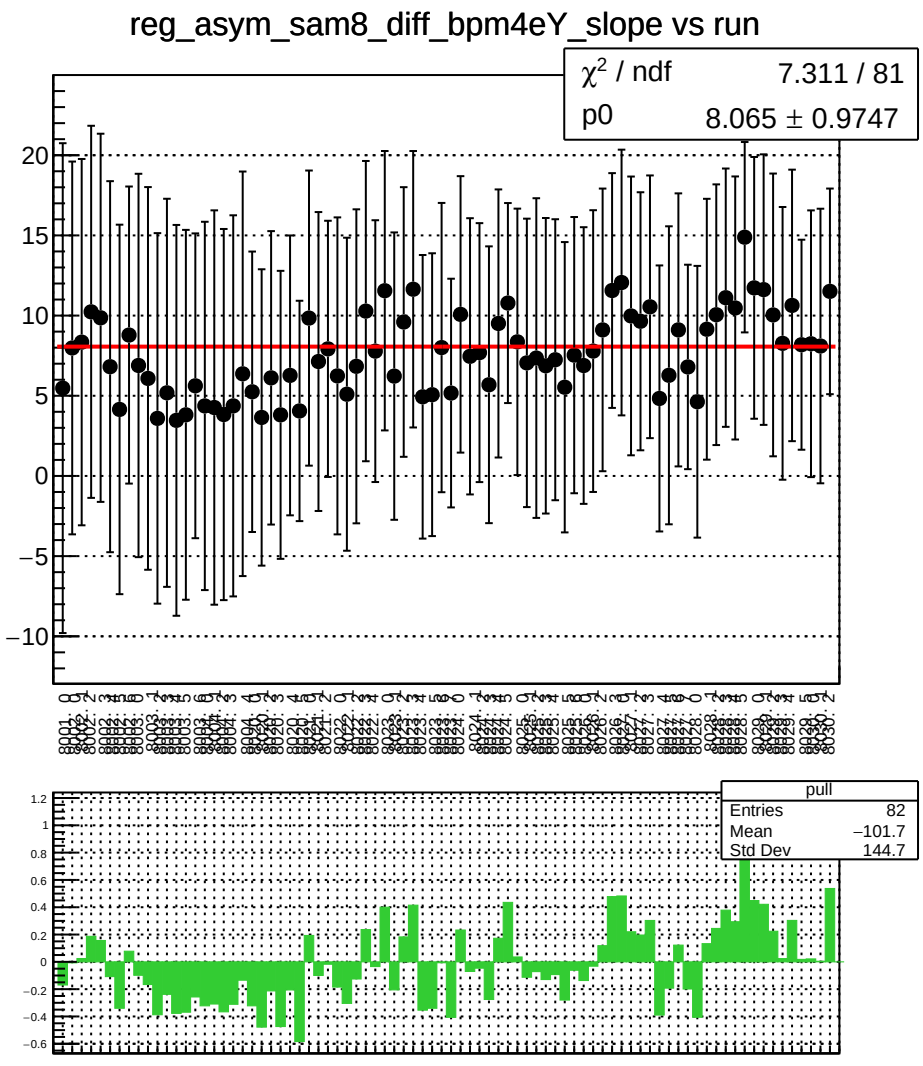

pull1D
Entries 82
Mean −0.2074
Std Dev 0.8401

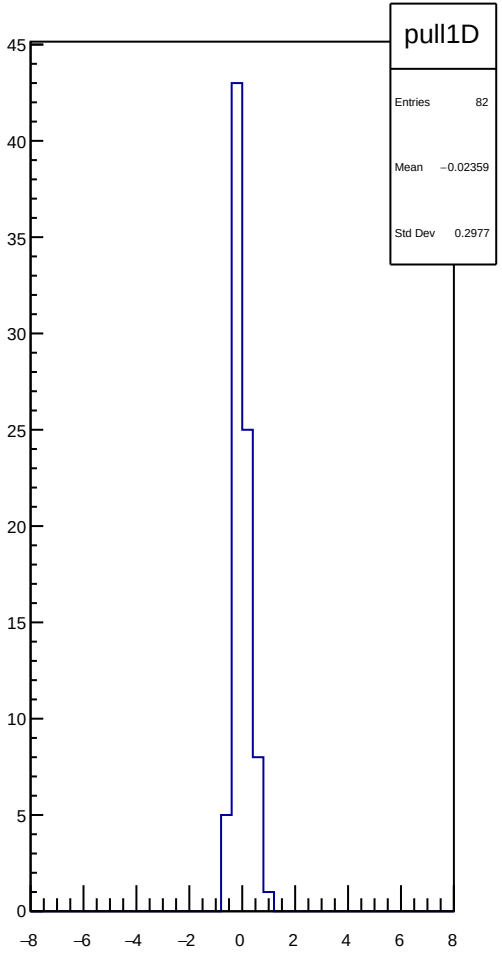

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 6.257 / 81
p0 −9.105 ± 0.9108
pull
Entries 82
Mean −113.5
Std Dev 167.7

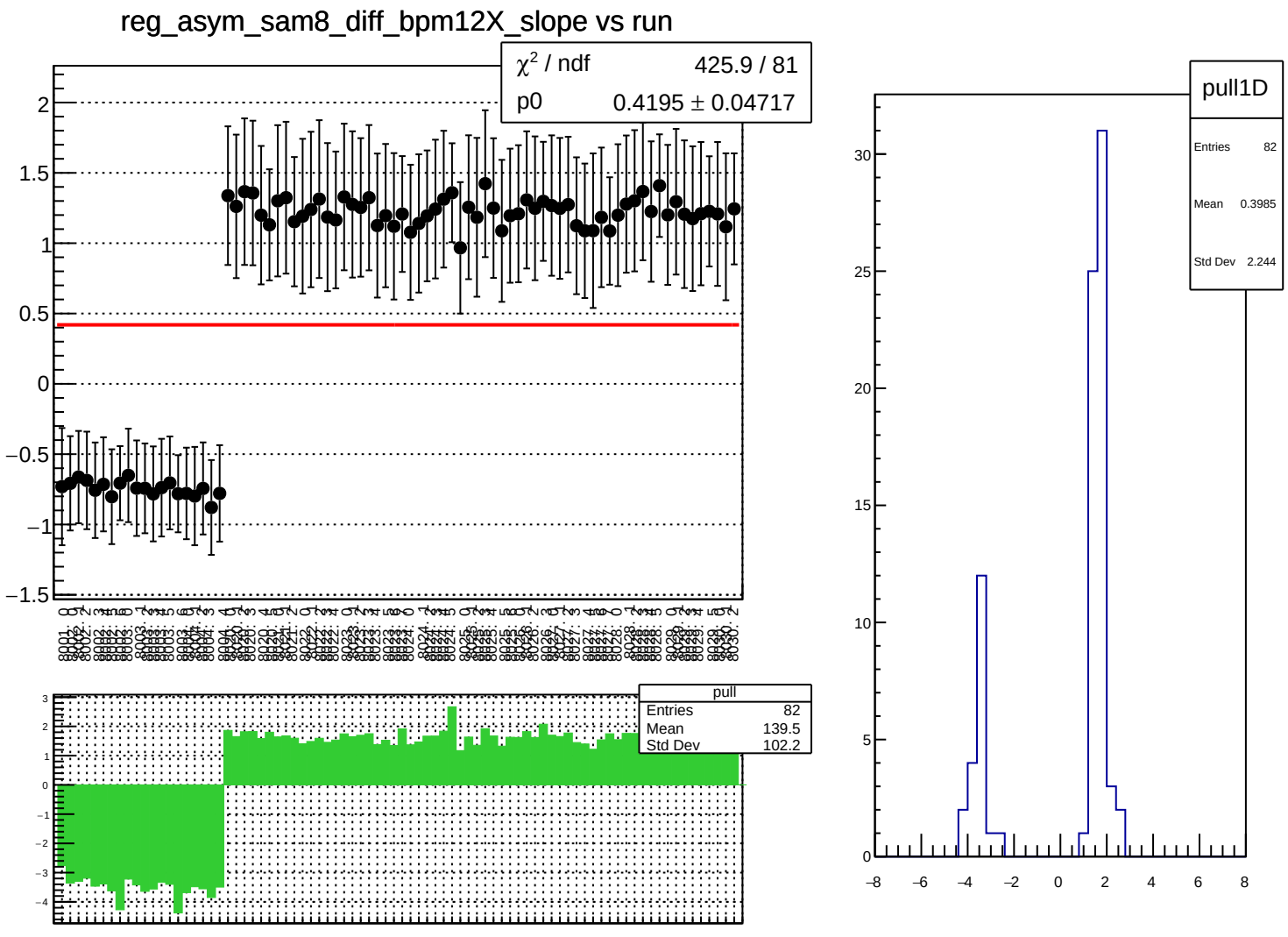

pull1D
Entries 82
Mean 0.01104
Std Dev 0.276

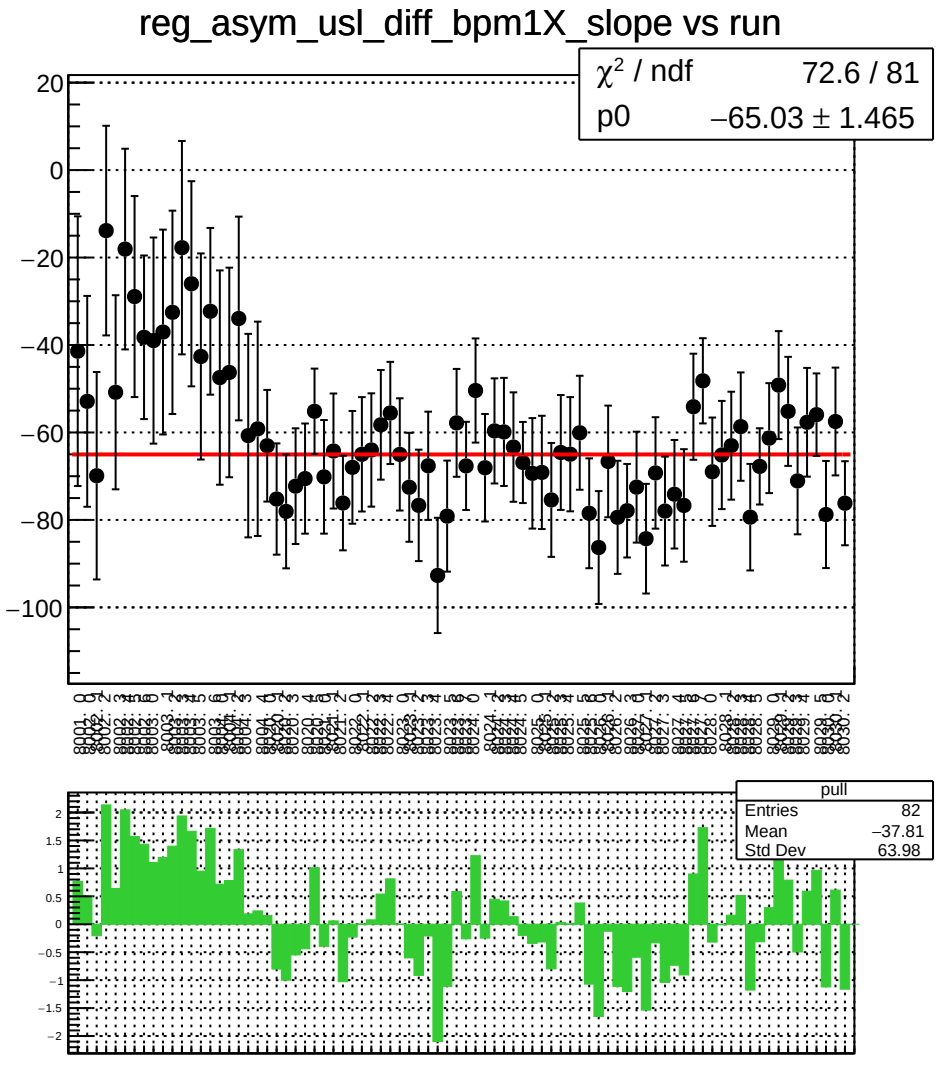

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 25.46 / 81
p0 −37.38 ± 0.5926
pull
Entries 82
Mean −48.86
Std Dev 81.12

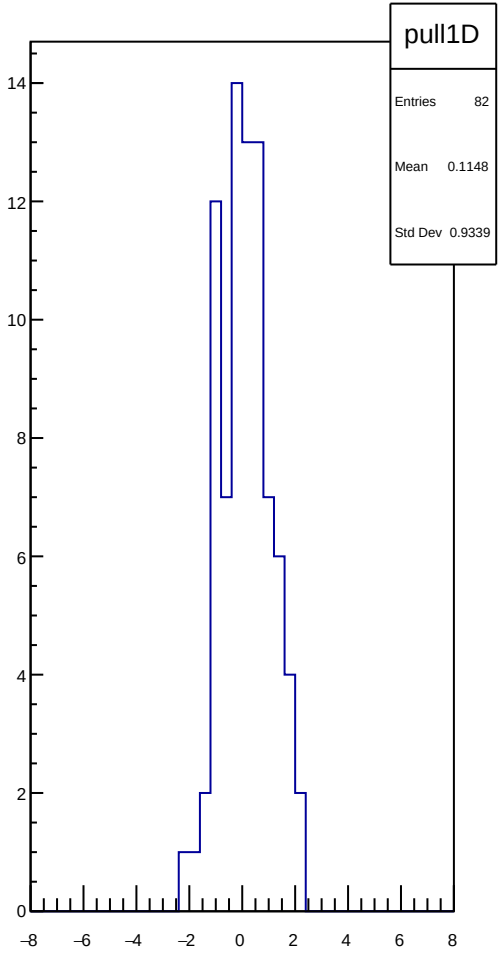

pull1D
Entries 82
Mean 0.1097
Std Dev 0.5463

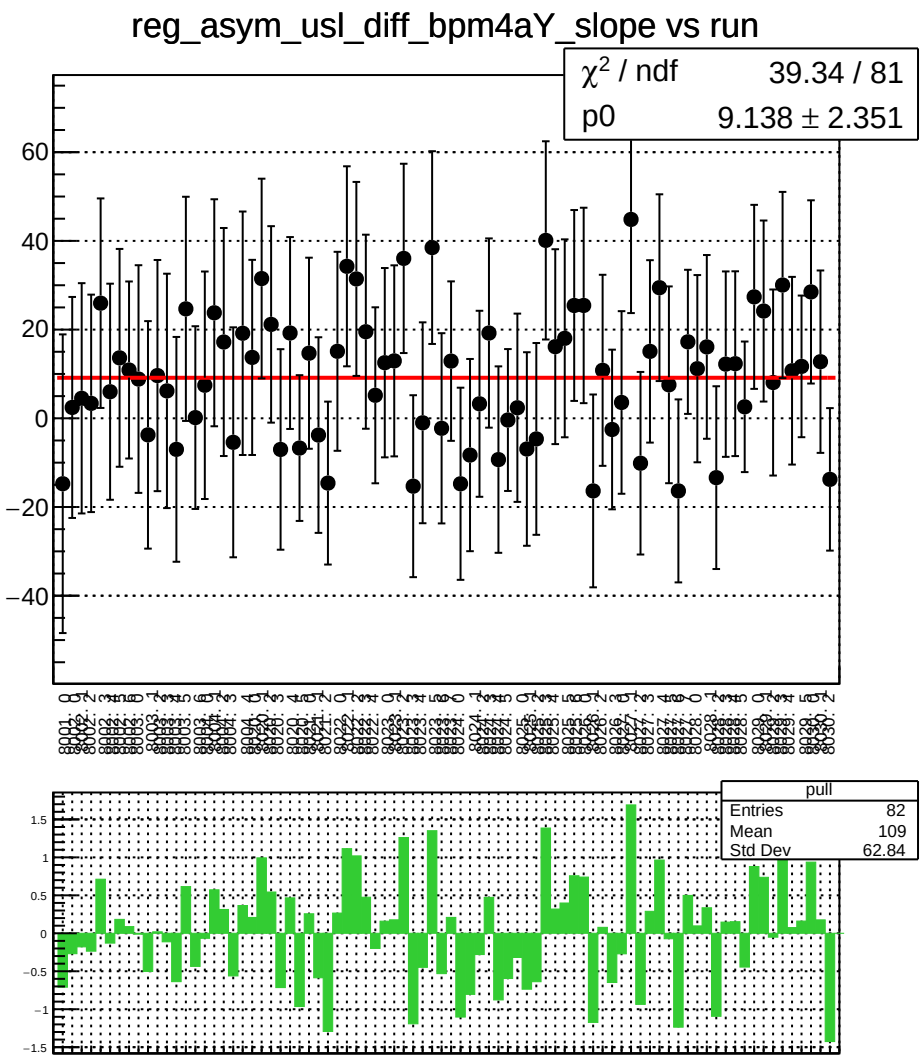

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 7.311 / 81
p0 8.065 ± 0.9747
pull
Entries 82
Mean −101.7
Std Dev 144.7

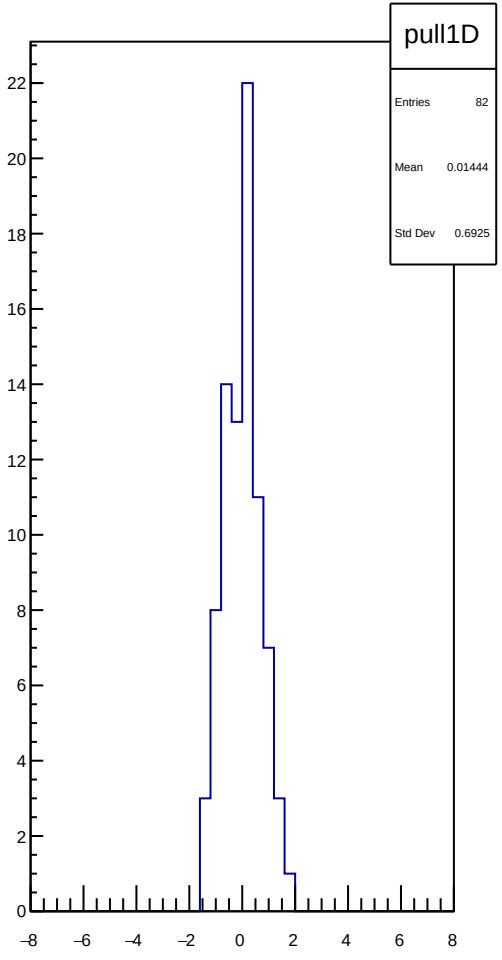

pull1D
Entries 82
Mean −0.02359
Std Dev 0.2977

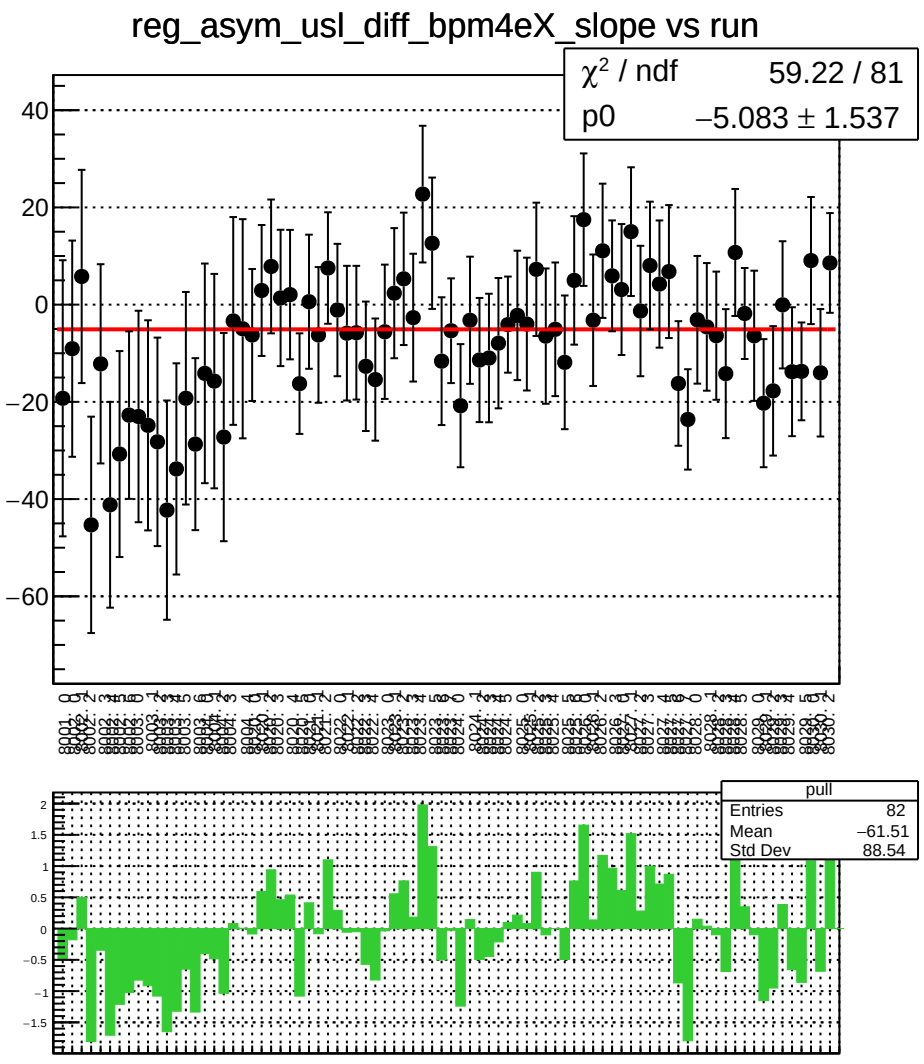

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 425.9 / 81
p0 0.4195 ± 0.04717
pull
Entries 82
Mean 139.5
Std Dev 102.2
pull1D
Entries 82
Mean 0.3985
Std Dev 2.244

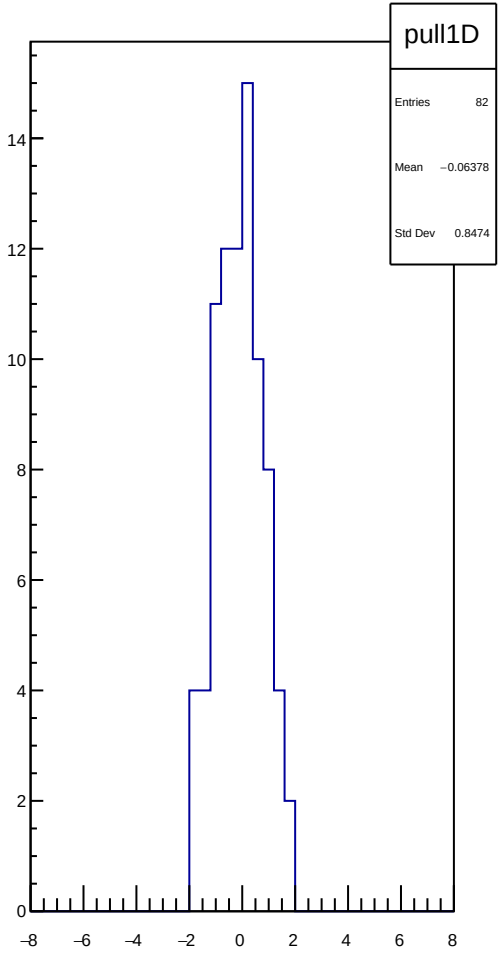

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 72.6 / 81
p0 −65.03 ± 1.465
pull
Entries 82
Mean −37.81
Std Dev 63.98

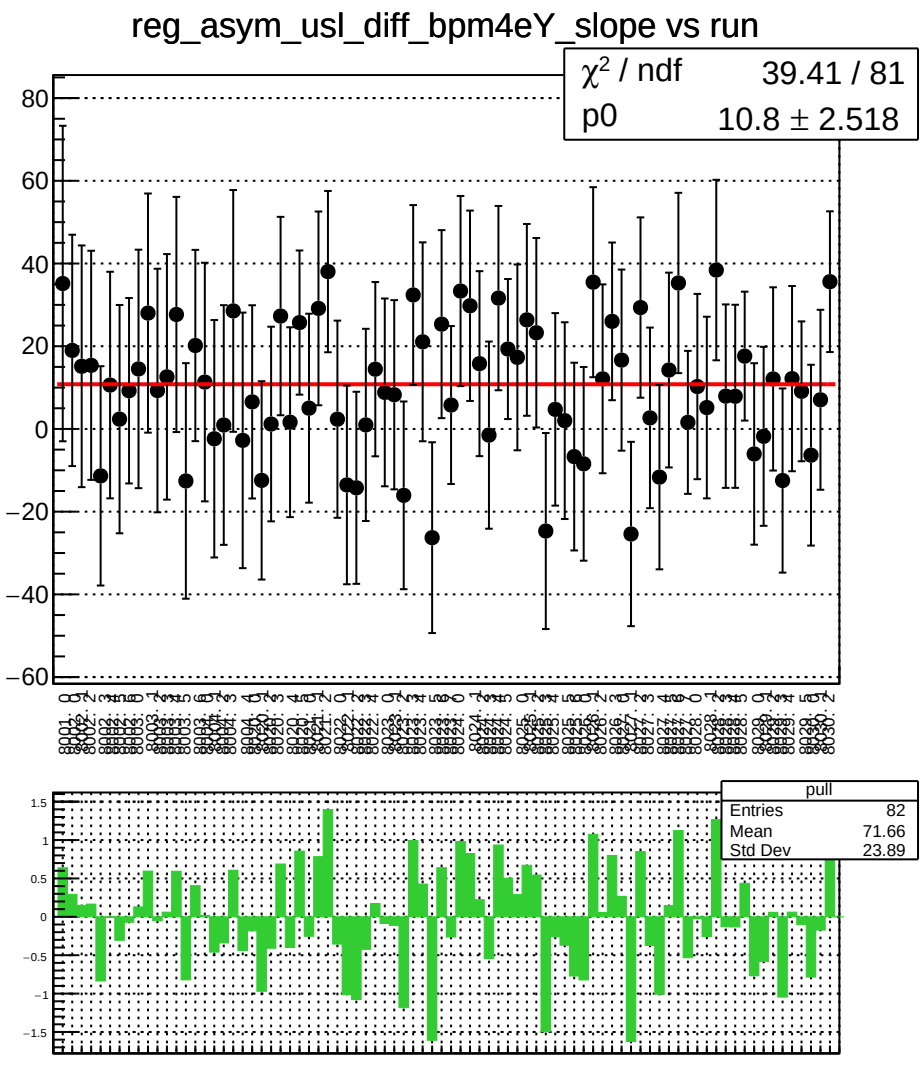

pull1D
Entries 82
Mean 0.1148
Std Dev 0.9339

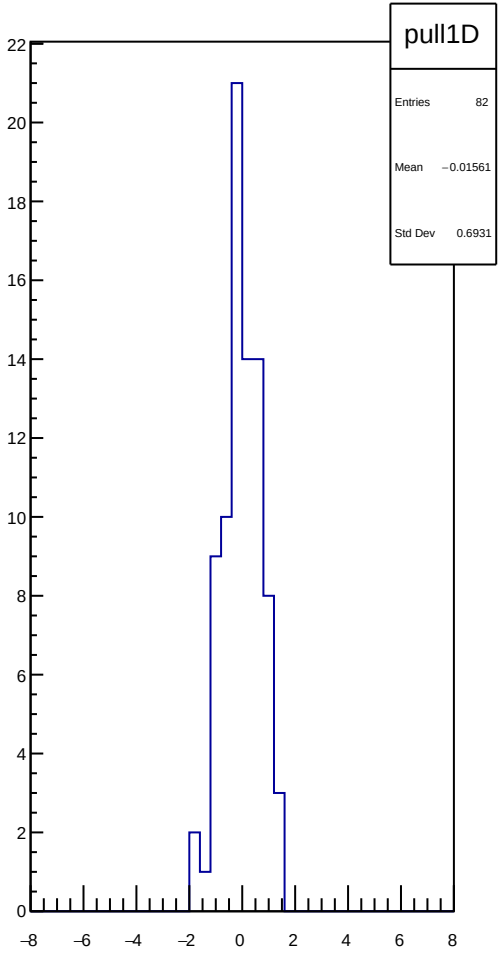

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 39.34 / 81
p0 9.138 ± 2.351
pull
Entries 82
Mean 109
Std Dev 62.84

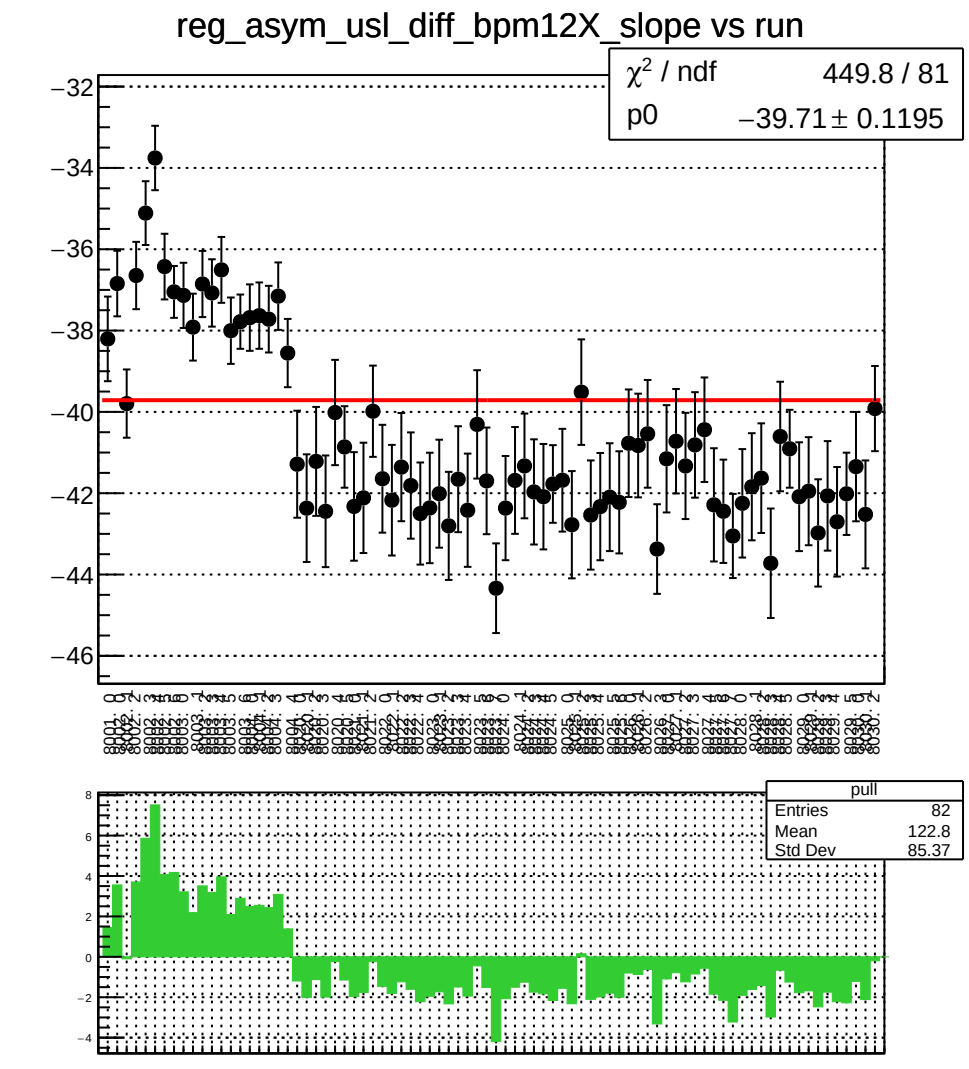

pull1D
Entries 82
Mean 0.01444
Std Dev 0.6925

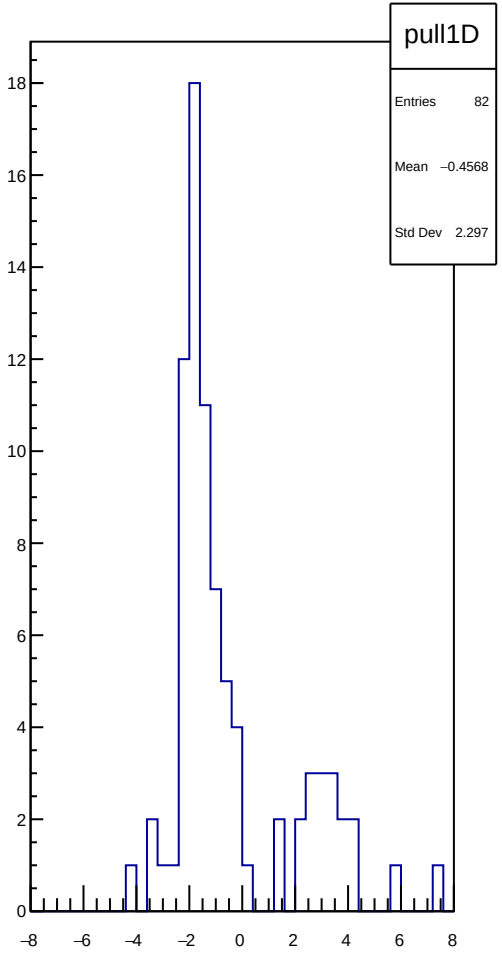

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 59.22 / 81
p0 −5.083 ± 1.537
pull
Entries 82
Mean −61.51
Std Dev 88.54

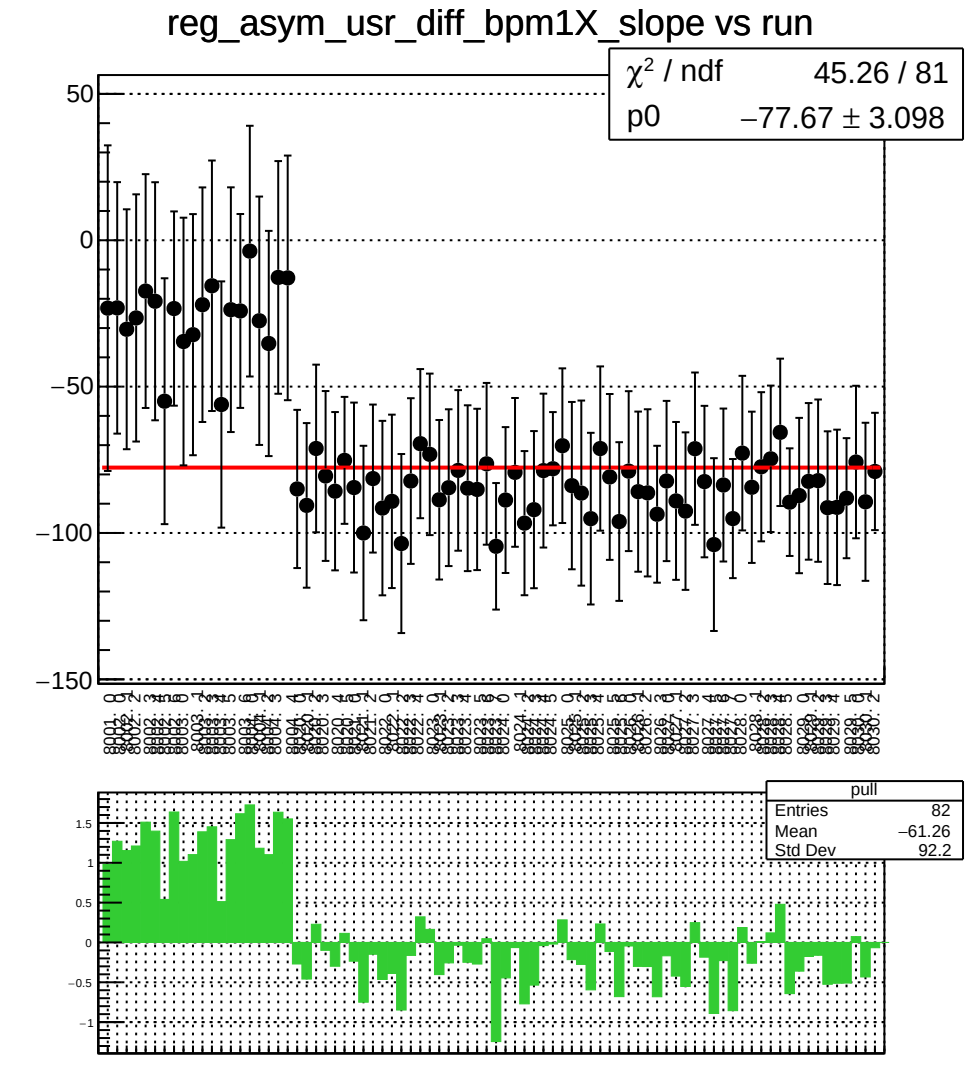

pull1D
Entries 82
Mean −0.06378
Std Dev 0.8474

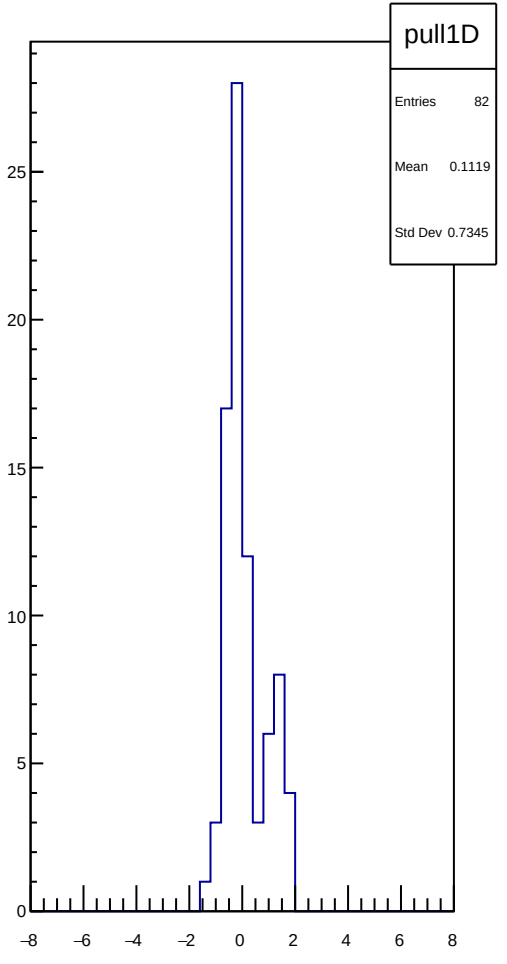

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 39.41 / 81
p0 10.8 ± 2.518
pull
Entries 82
Mean 71.66
Std Dev 23.89

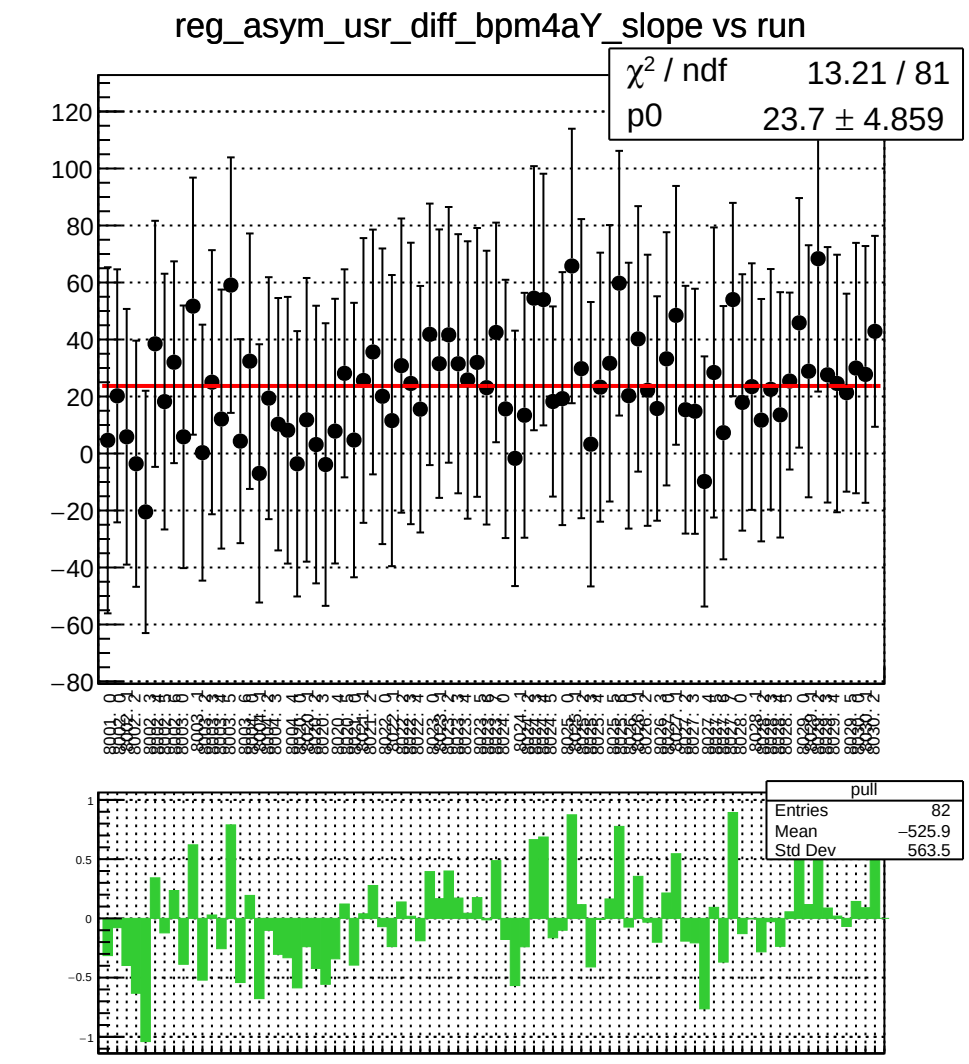

pull1D
Entries 82
Mean −0.01561
Std Dev 0.6931

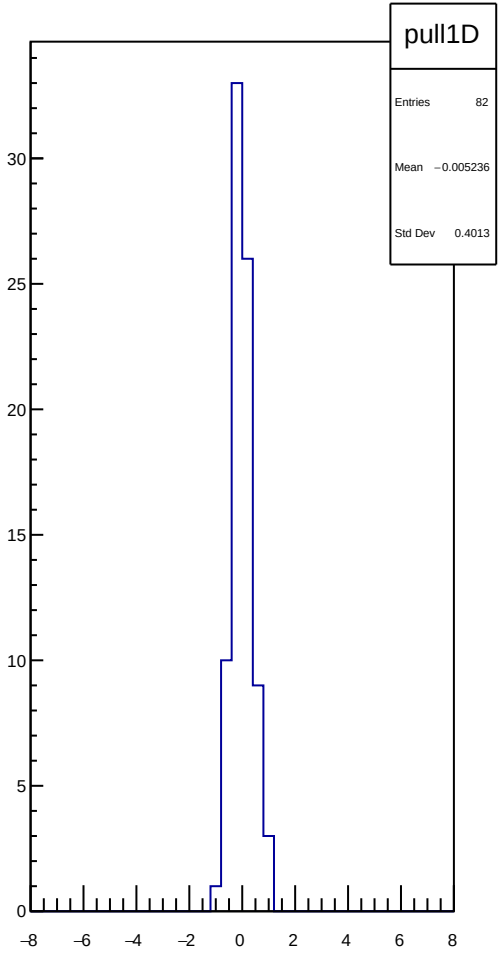

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 449.8 / 81
p0 −39.71 ± 0.1195
pull
Entries 82
Mean 122.8
Std Dev 85.37

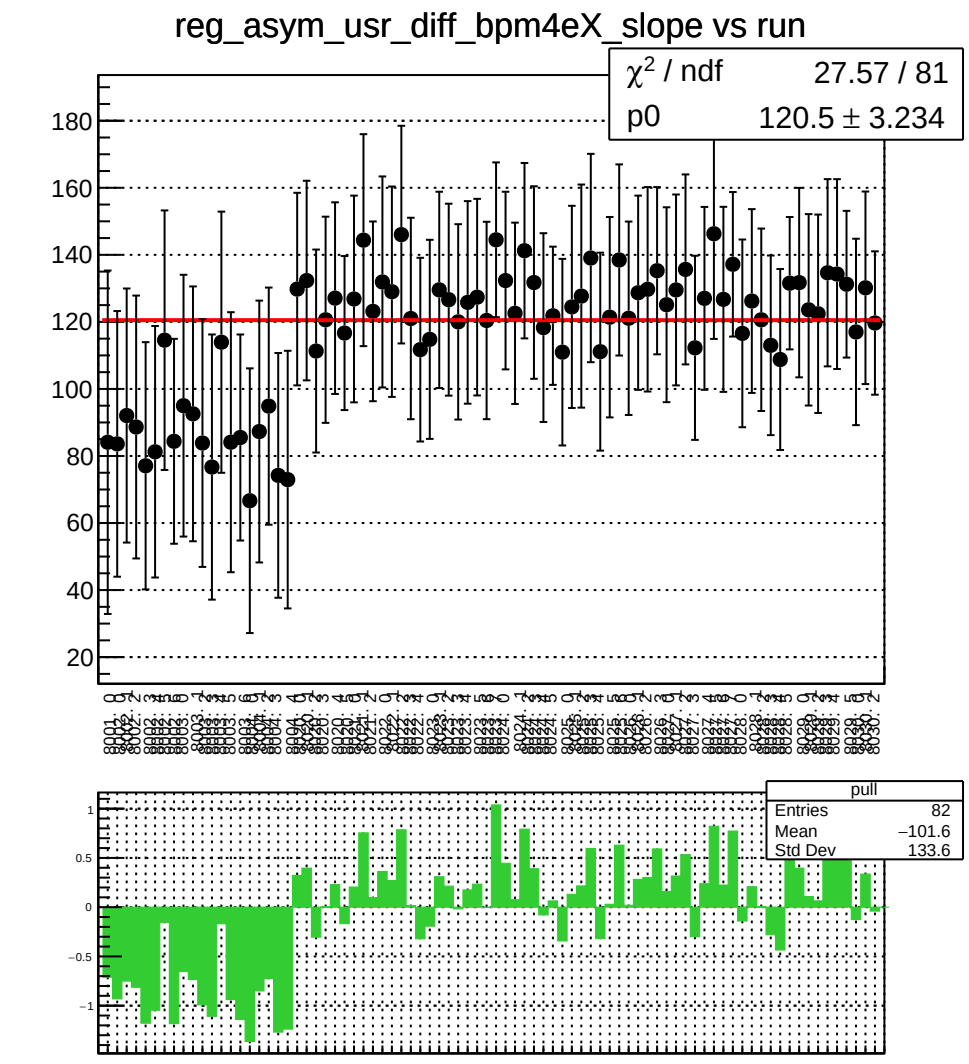

pull1D
Entries 82
Mean −0.4568
Std Dev 2.297

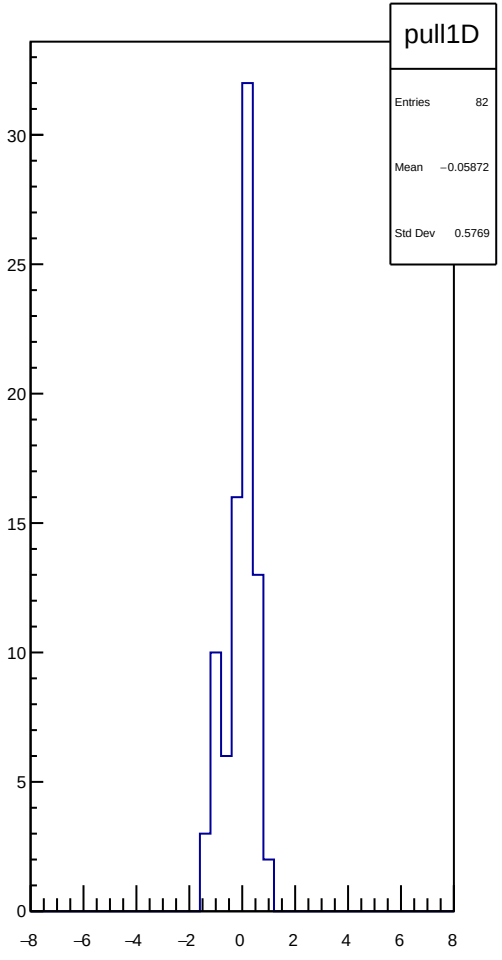

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 45.26 / 81
p0 −77.67 ± 3.098
50
0
−50
−100
−150
pull
Entries 82
Mean −61.26
Std Dev 92.2
1.5
1
0.5
0
−0.5
−1

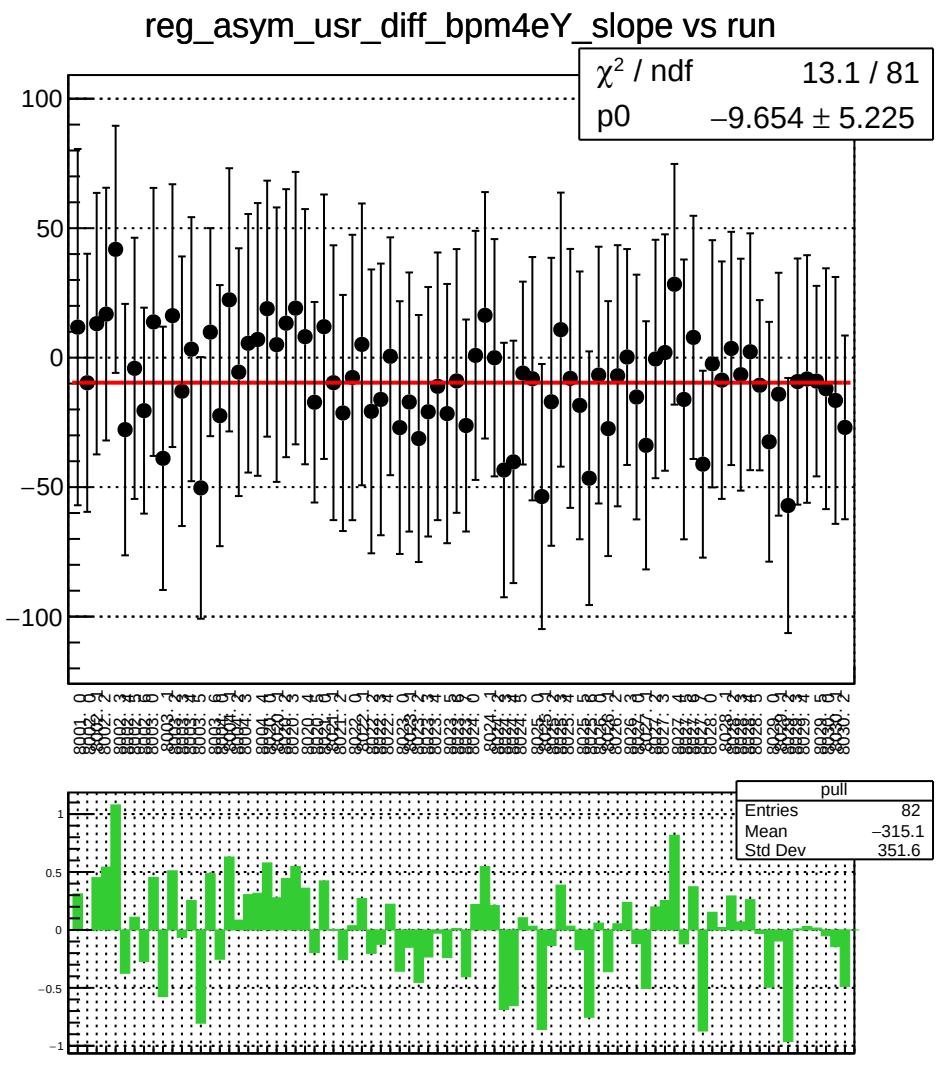

pull1D
Entries 82
Mean 0.1119
Std Dev 0.7345
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

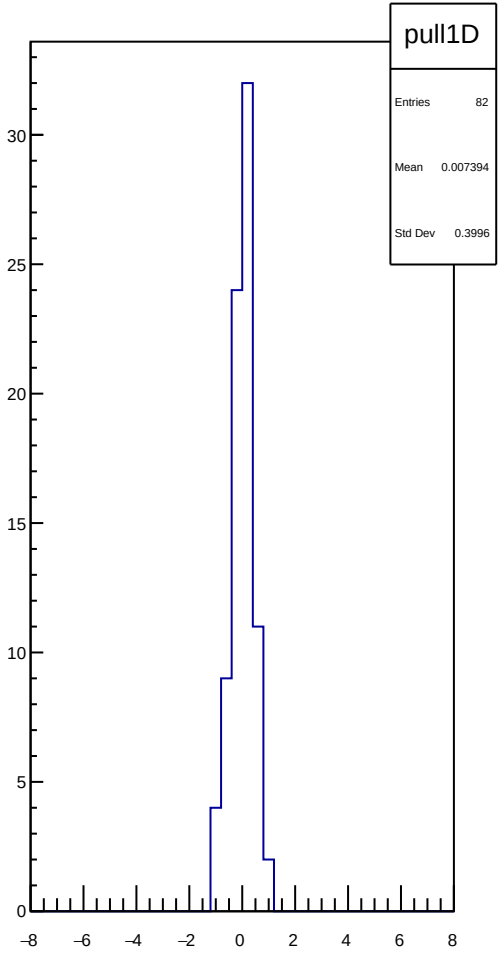

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 13.21 / 81
p0 23.7 ± 4.859
pull
Entries 82
Mean −525.9
Std Dev 563.5

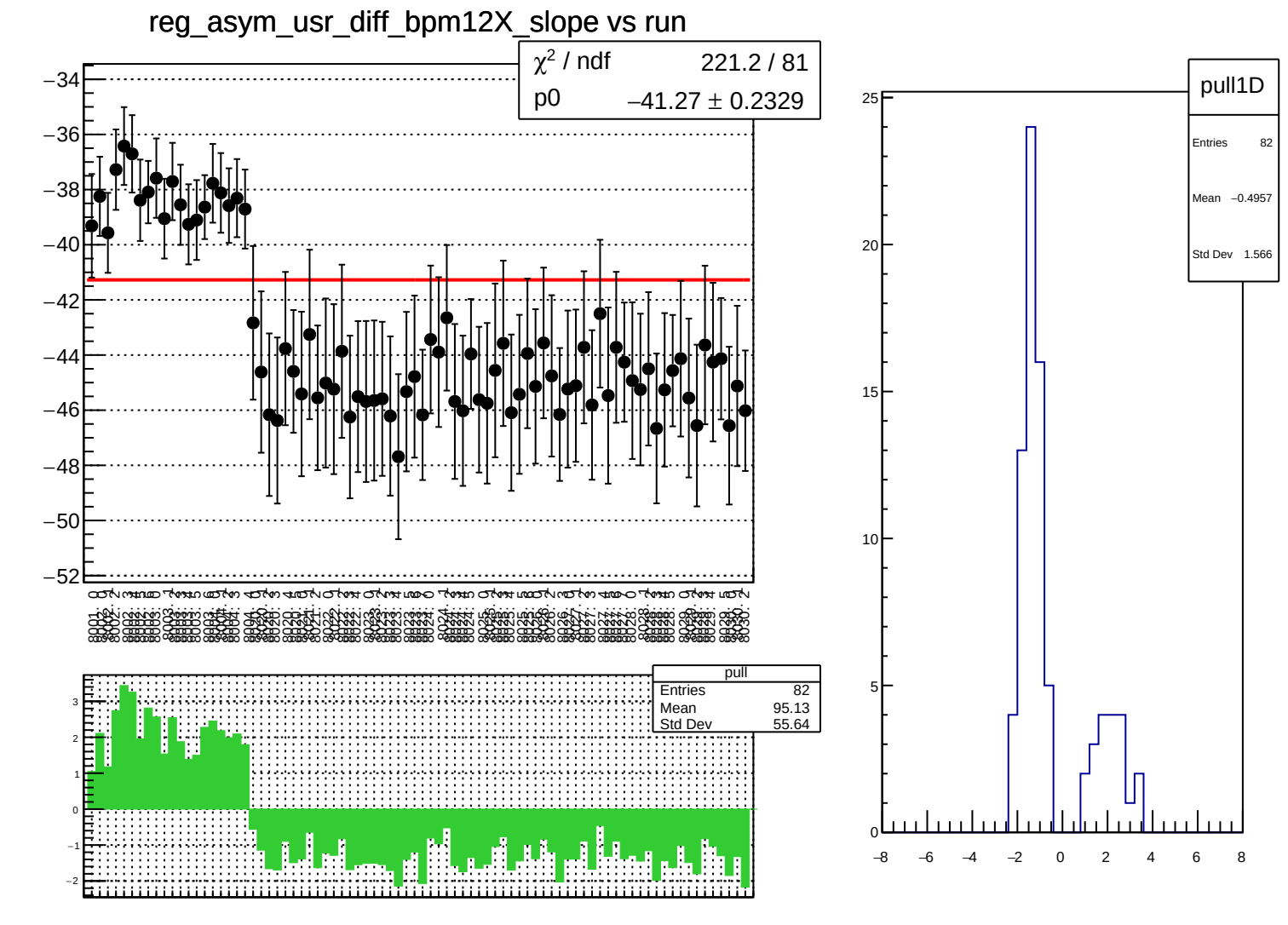

pull1D
Entries 82
Mean −0.005236
Std Dev 0.4013

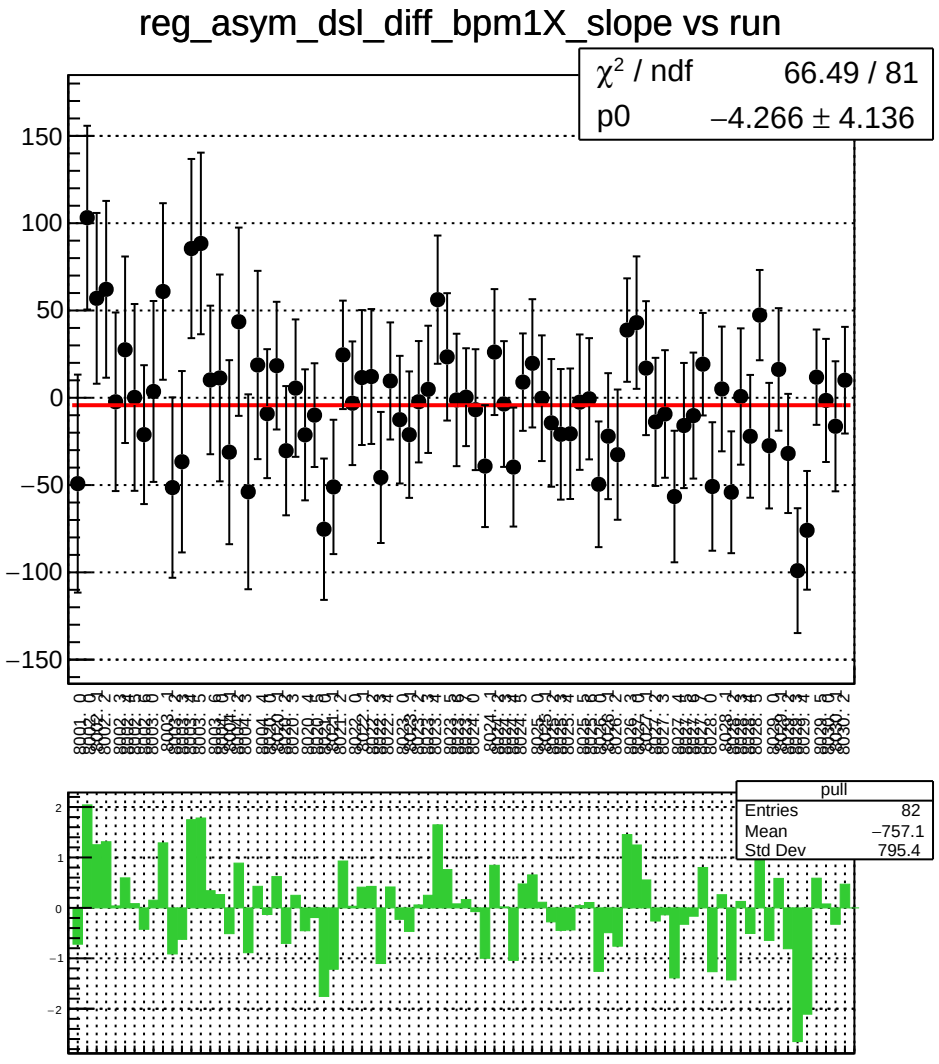

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 27.57 / 81
p0 120.5 ± 3.234
pull
Entries 82
Mean −101.6
Std Dev 133.6

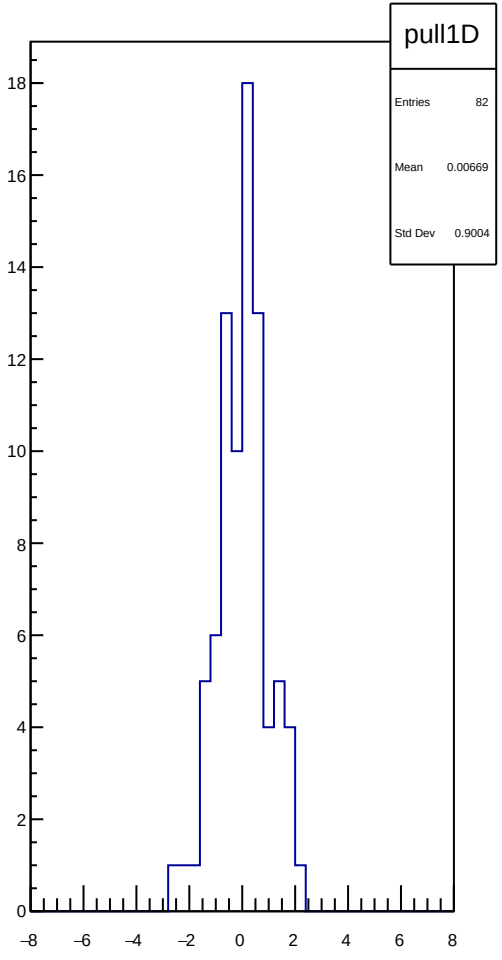

pull1D
Entries 82
Mean −0.05872
Std Dev 0.5769

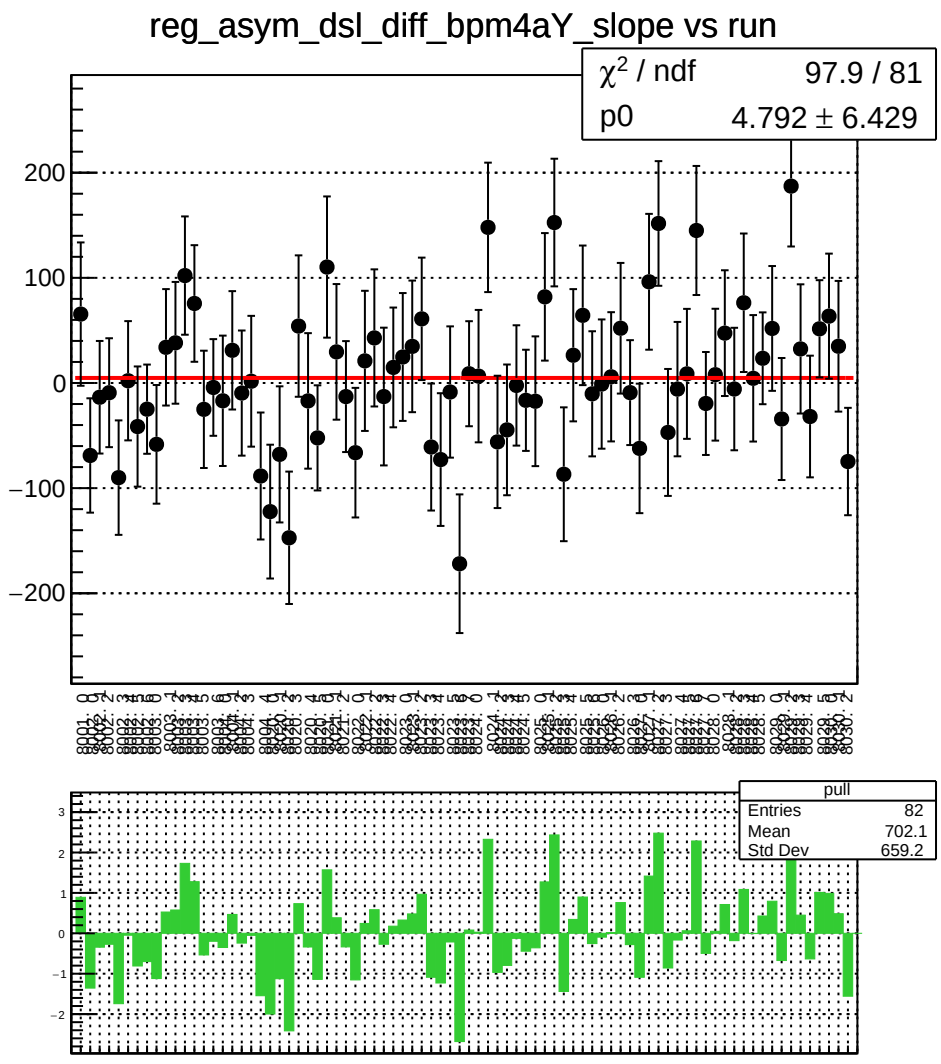

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.1 / 81
p0 −9.654 ± 5.225
100
50
0
−50
−100
pull
Entries 82
Mean −315.1
Std Dev 351.6
1
0.5
0
−0.5
−1

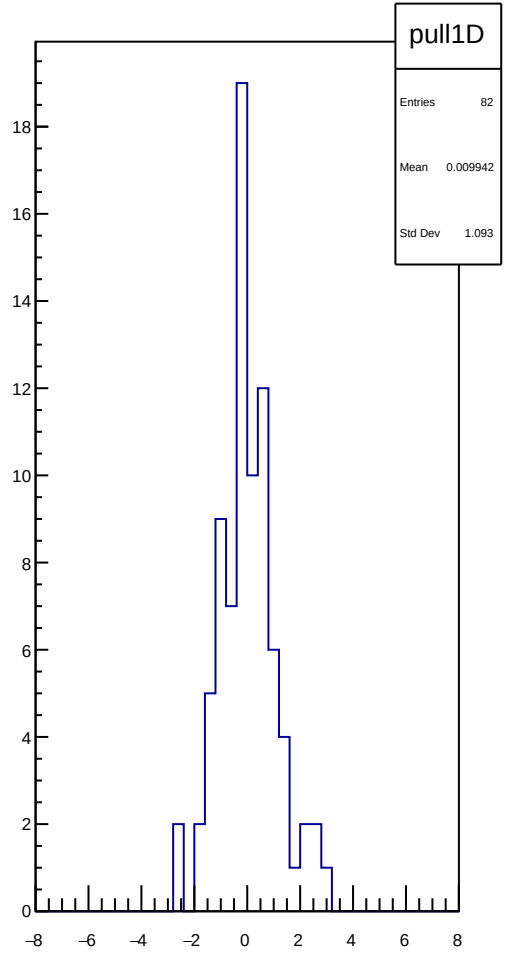

pull1D
Entries 82
Mean 0.007394
Std Dev 0.3996
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

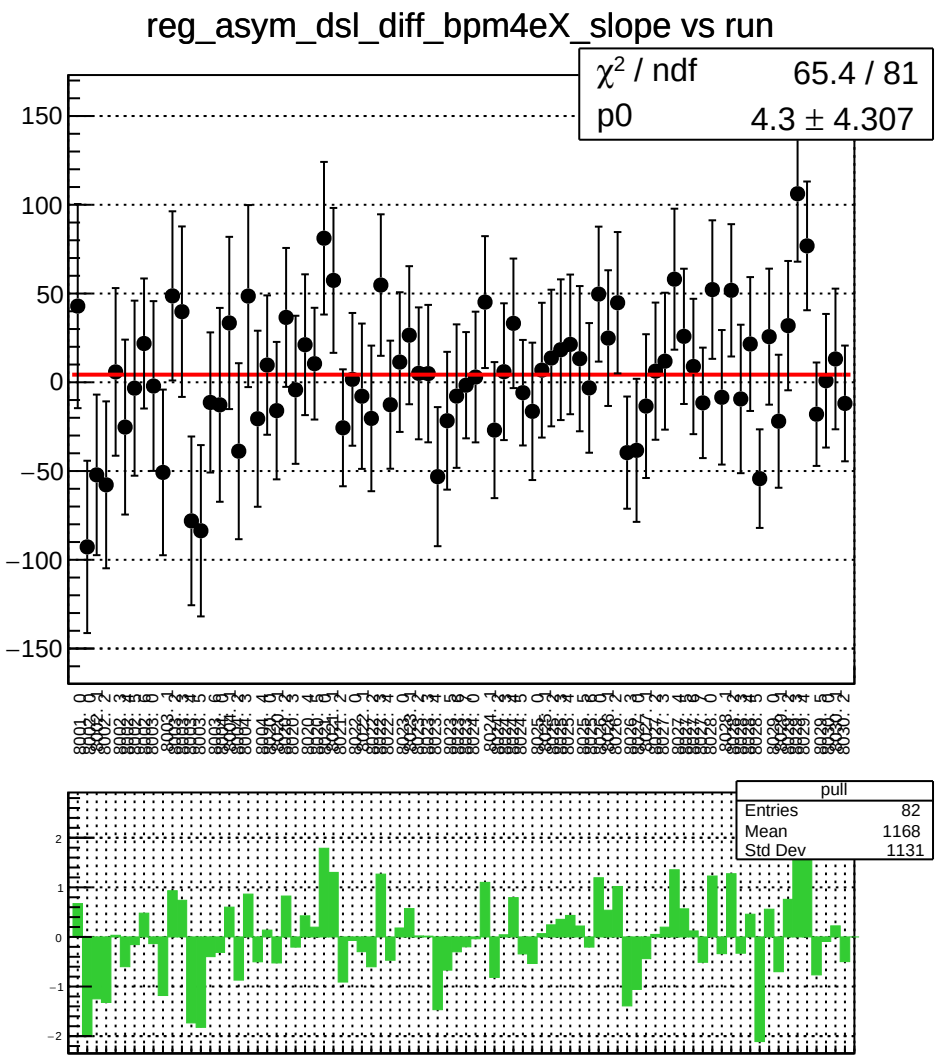

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 221.2 / 81
p0 −41.27 ± 0.2329
pull
Entries 82
Mean 95.13
Std Dev 55.64
pull1D
Entries 82
Mean −0.4957
Std Dev 1.566

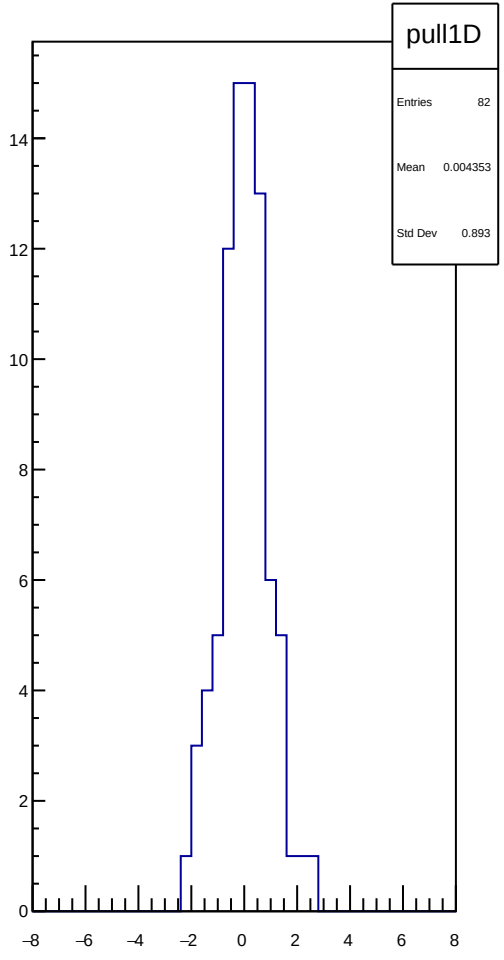

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 66.49 / 81
p0 −4.266 ± 4.136
pull
Entries 82
Mean −757.1
Std Dev 795.4

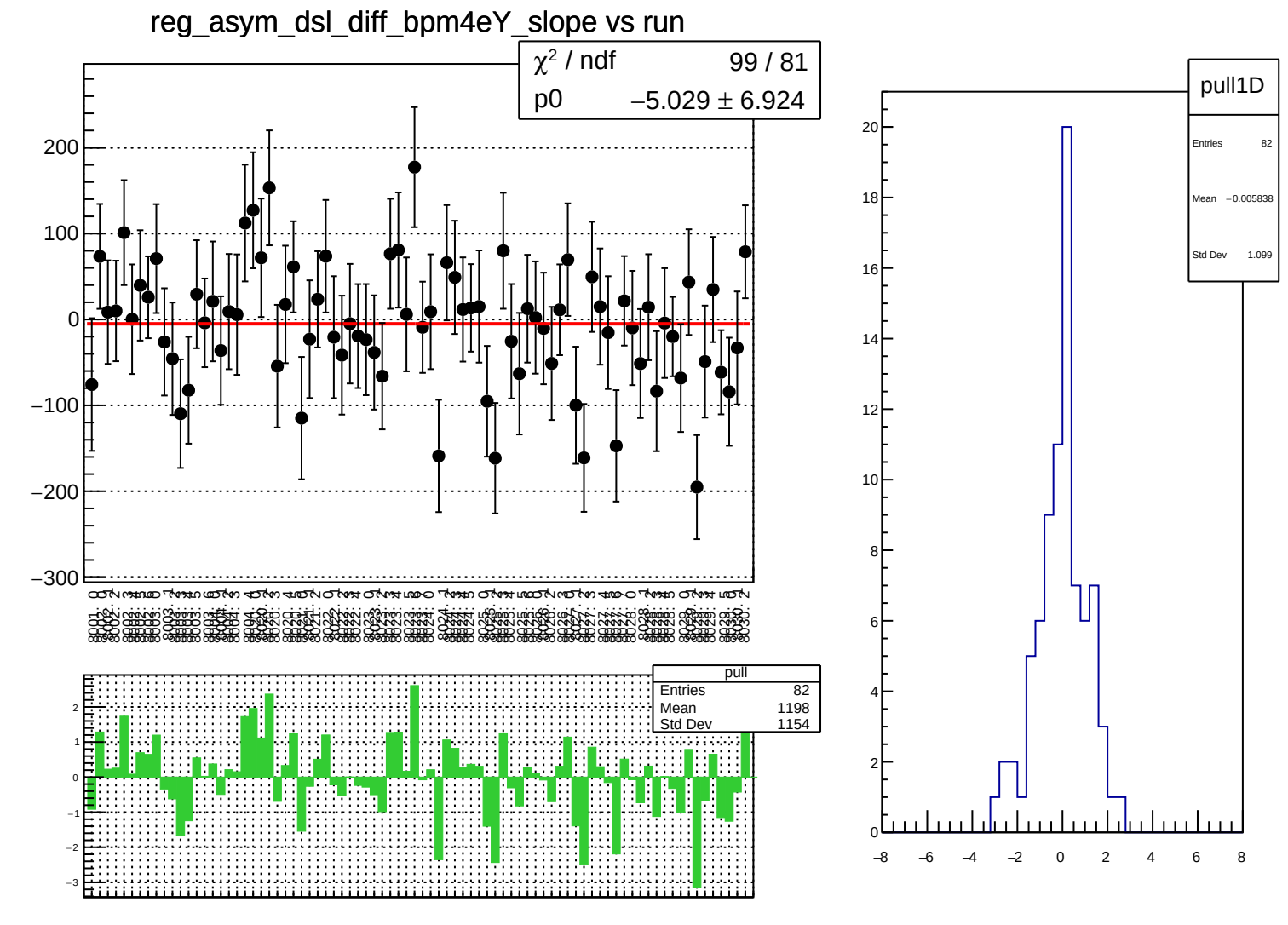

pull1D
Entries 82
Mean 0.00669
Std Dev 0.9004

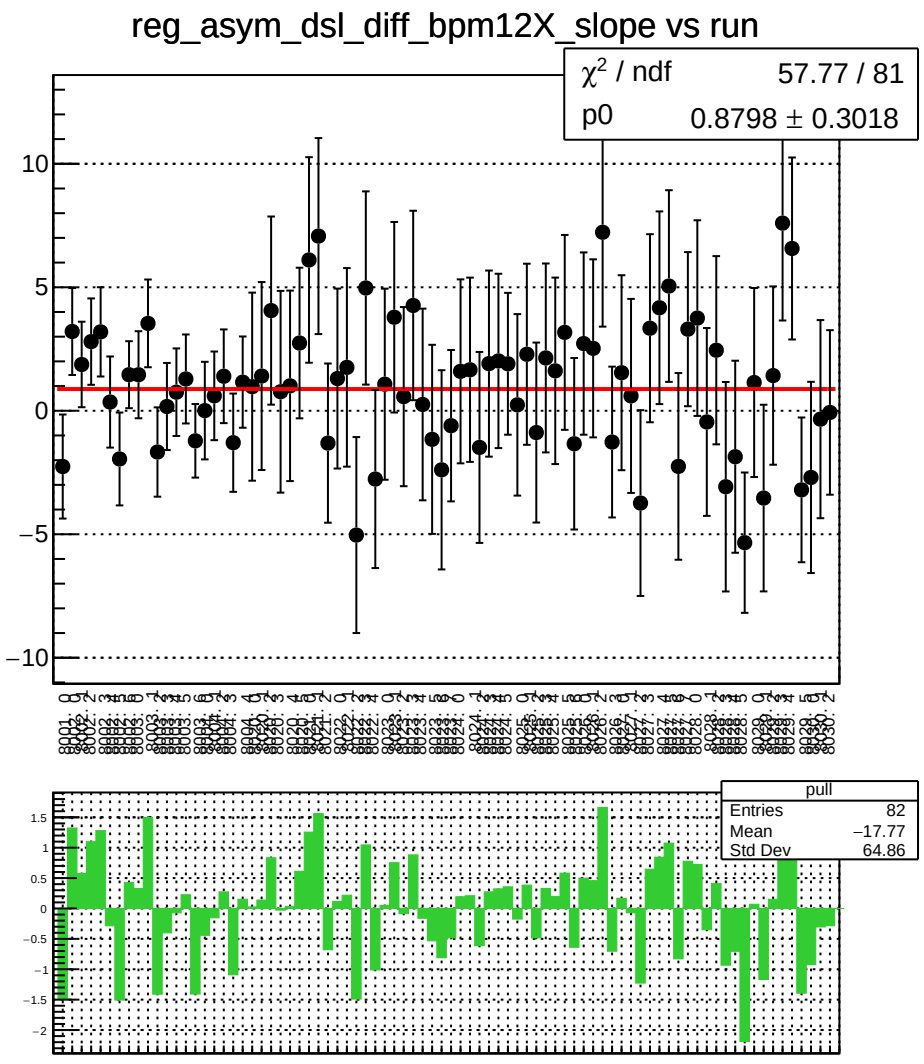

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 97.9 / 81
p0 4.792 ± 6.429
200
100
0
−100
−200
pull
Entries 82
Mean 702.1
Std Dev 659.2
3
2
1
0
−1
−2

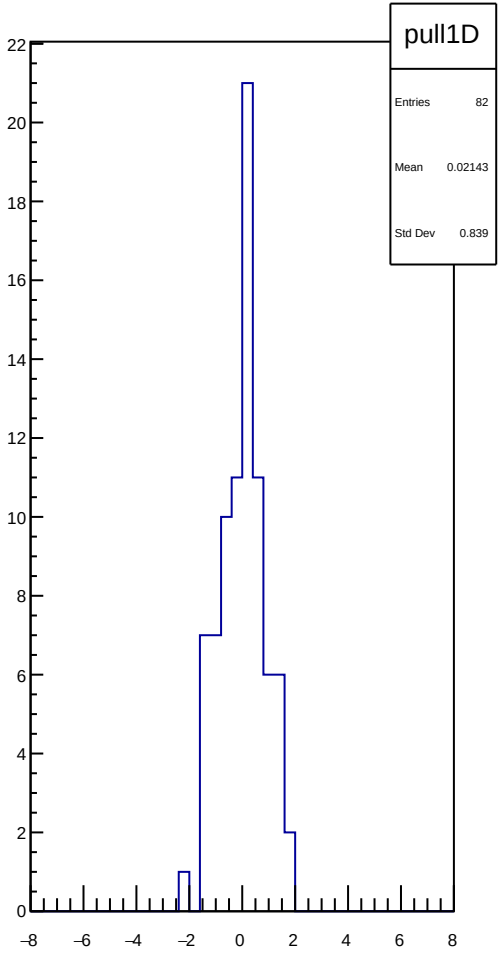

pull1D
Entries 82
Mean 0.009942
Std Dev 1.093
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

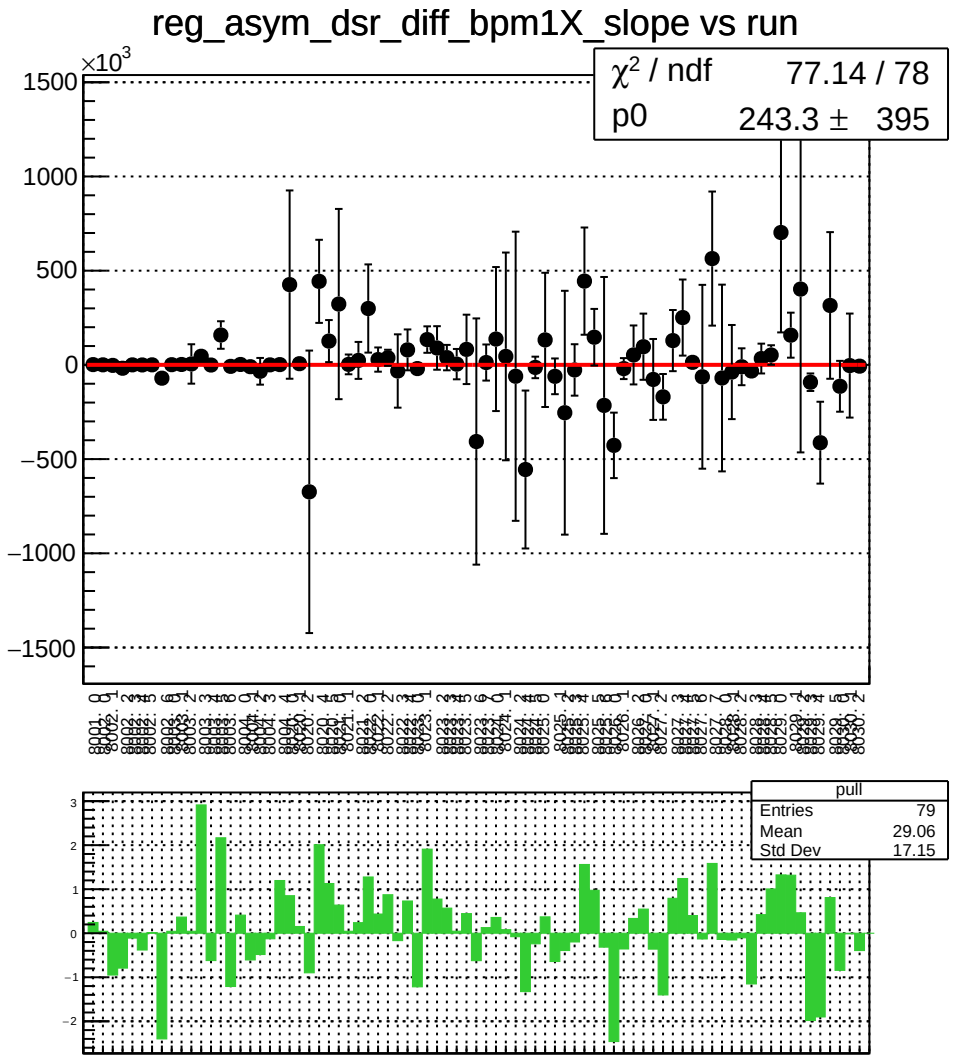

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 65.4 / 81
p0 4.3 ± 4.307
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 1168
Std Dev 1131
2
1
0
−1
−2

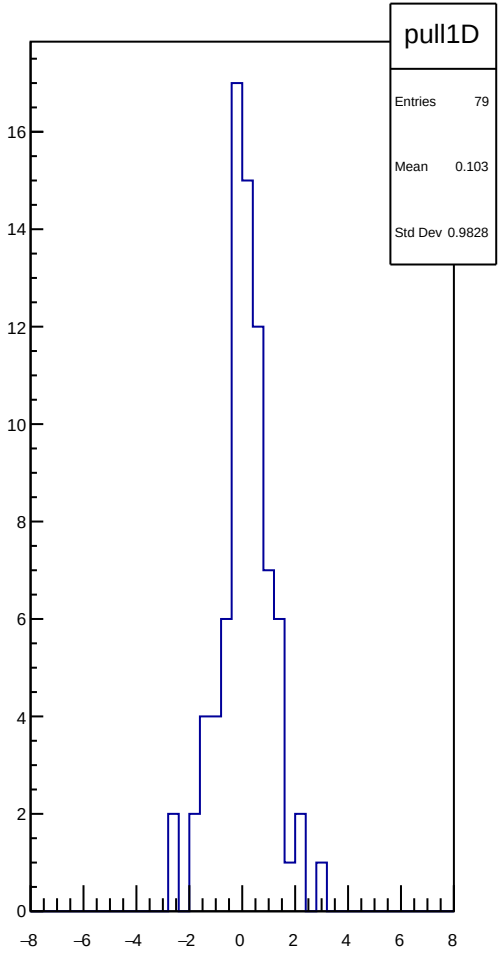

pull1D
Entries 82
Mean 0.004353
Std Dev 0.893
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

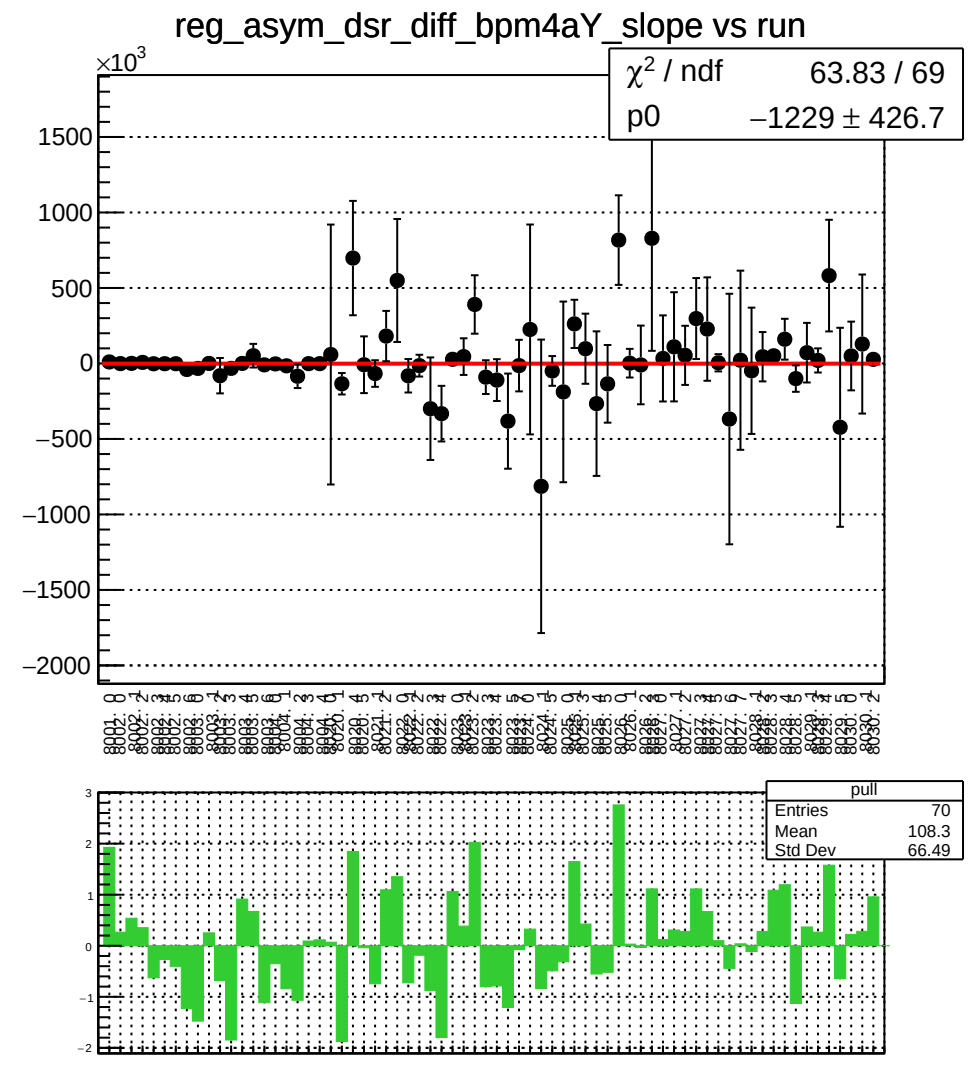

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 99 / 81
p0 −5.029 ± 6.924
pull
Entries 82
Mean 1198
Std Dev 1154
pull1D
Entries 82
Mean −0.005838
Std Dev 1.099

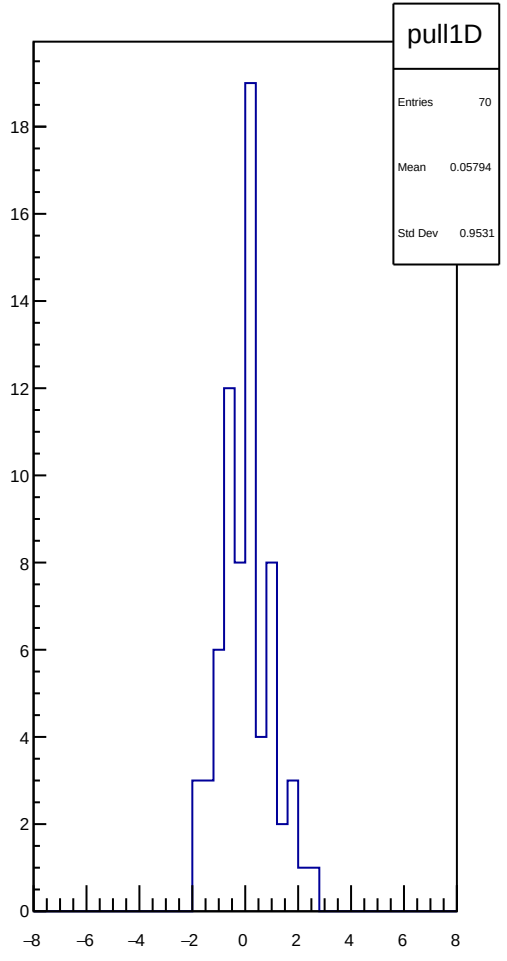

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 57.77 / 81
p0 0.8798 ± 0.3018
pull
Entries 82
Mean −17.77
Std Dev 64.86

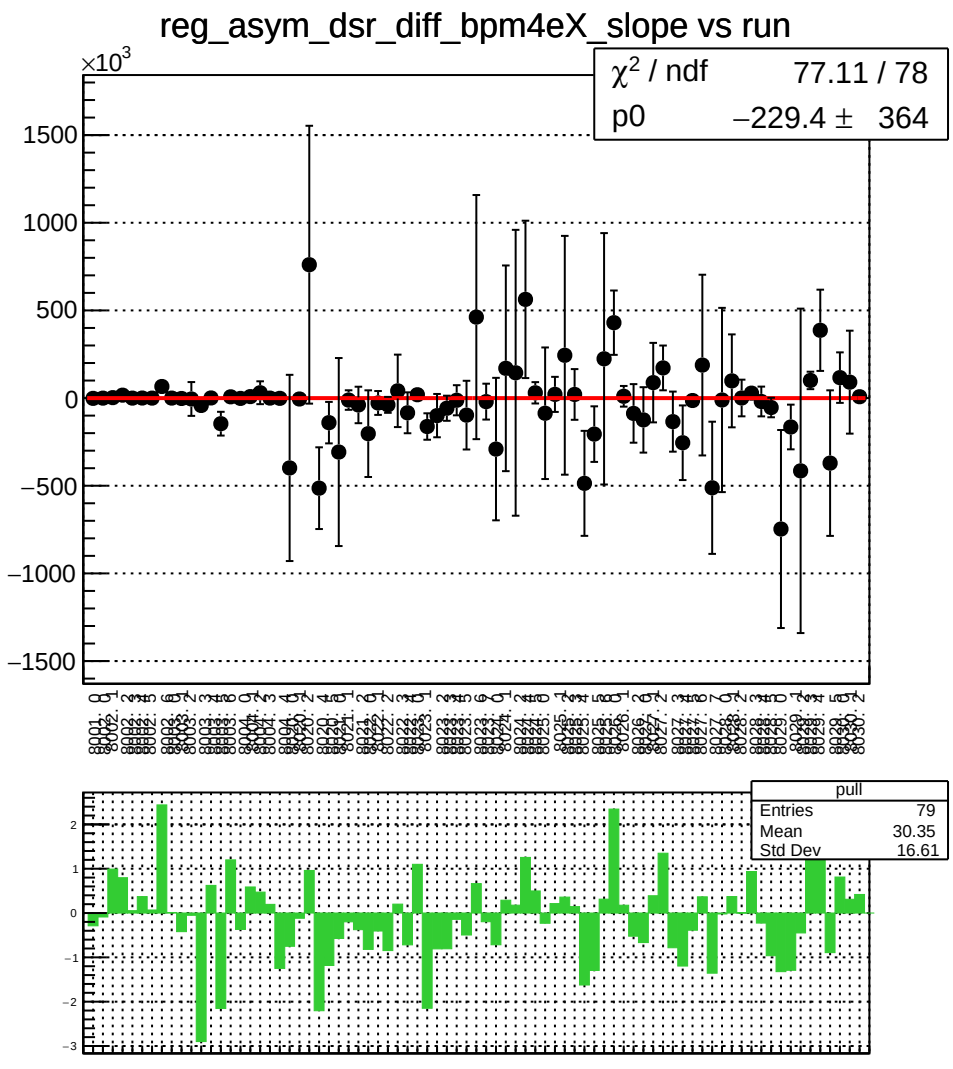

pull1D
Entries 82
Mean 0.02143
Std Dev 0.839

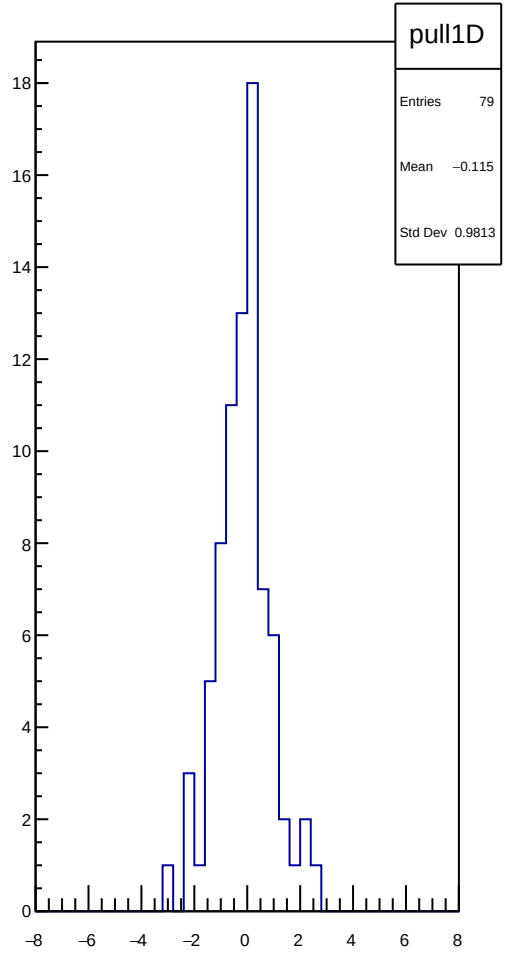

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ² / ndf 77.14 / 78
p0 243.3 ± 395
pull
Entries 79
Mean 29.06
Std Dev 17.15

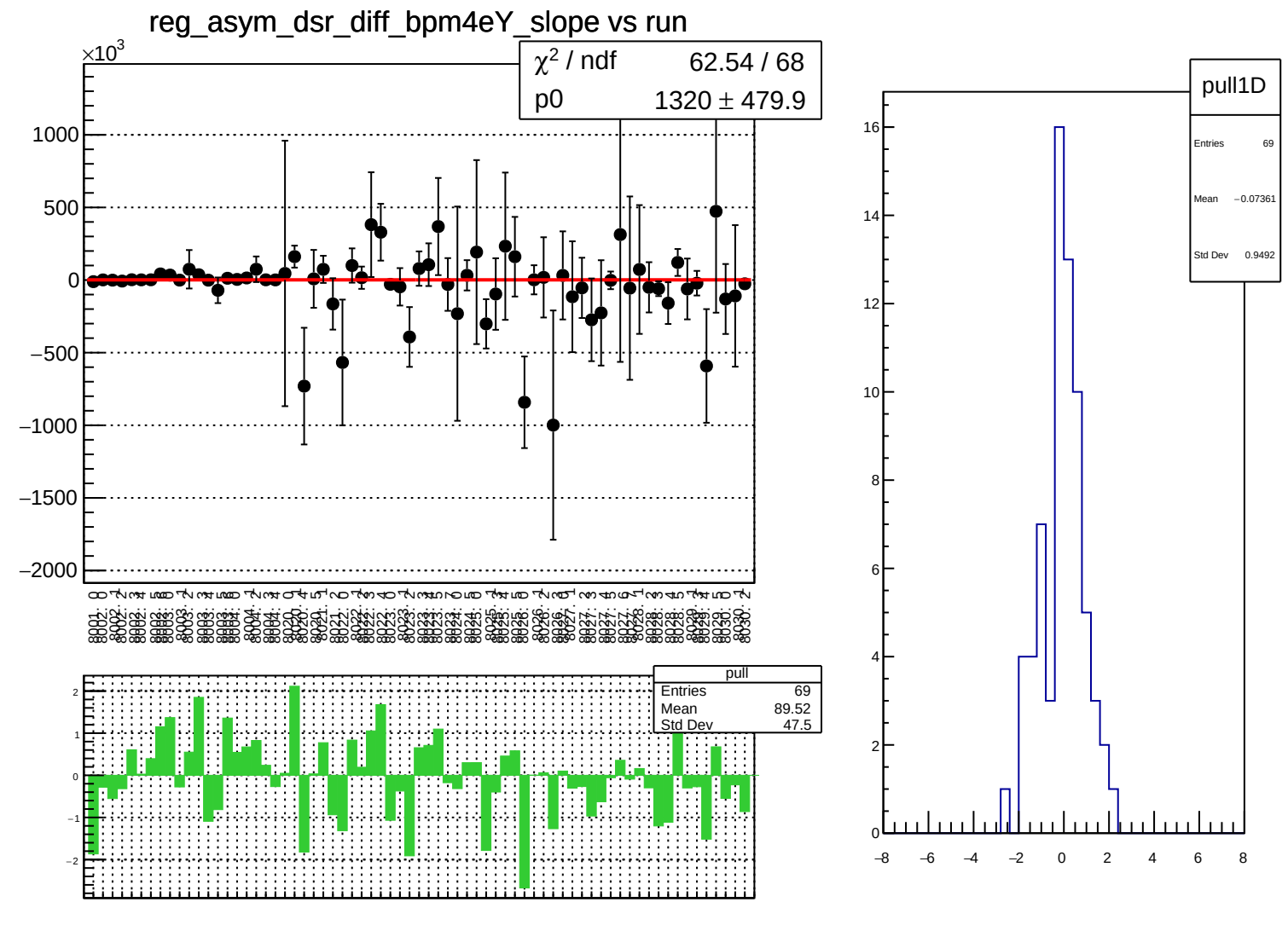

pull1D
Entries 79
Mean 0.103
Std Dev 0.9828

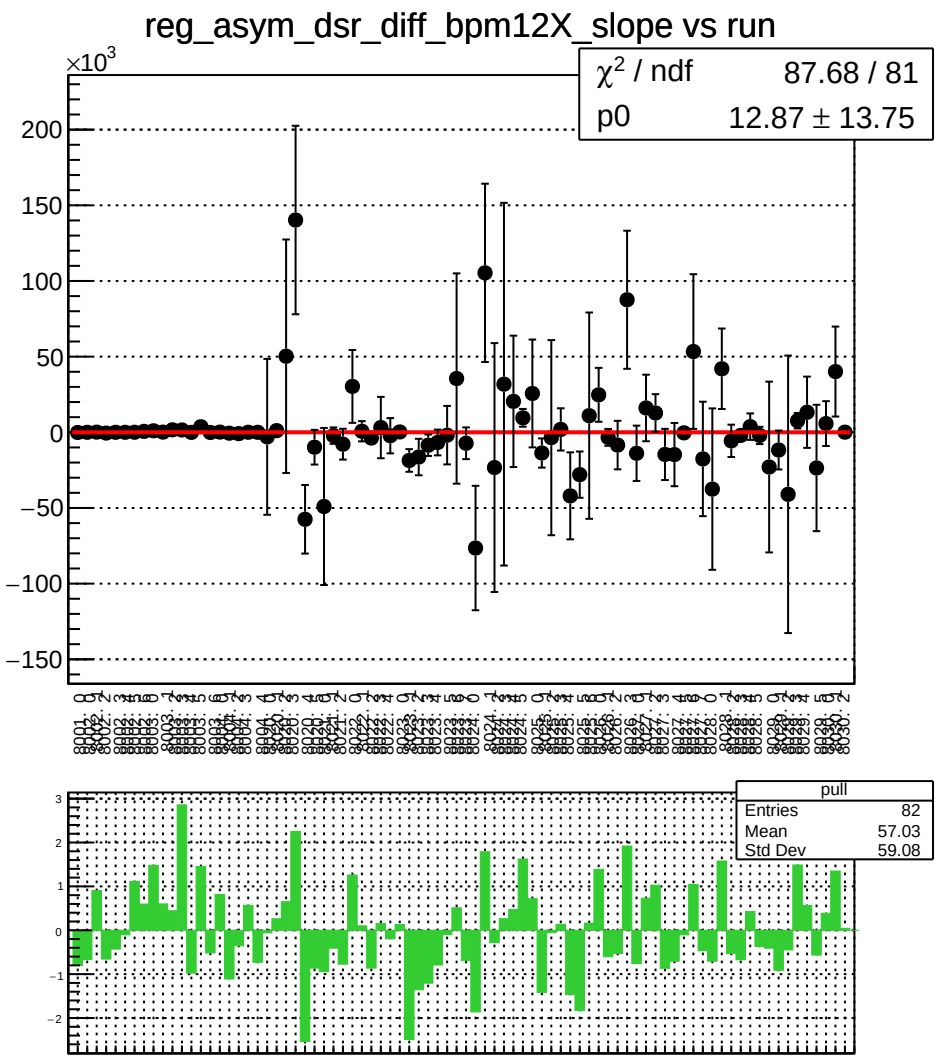

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 63.83 / 69
p0 −1229 ± 426.7
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 70
Mean 108.3
Std Dev 66.49
3
2
1
0
−1
−2

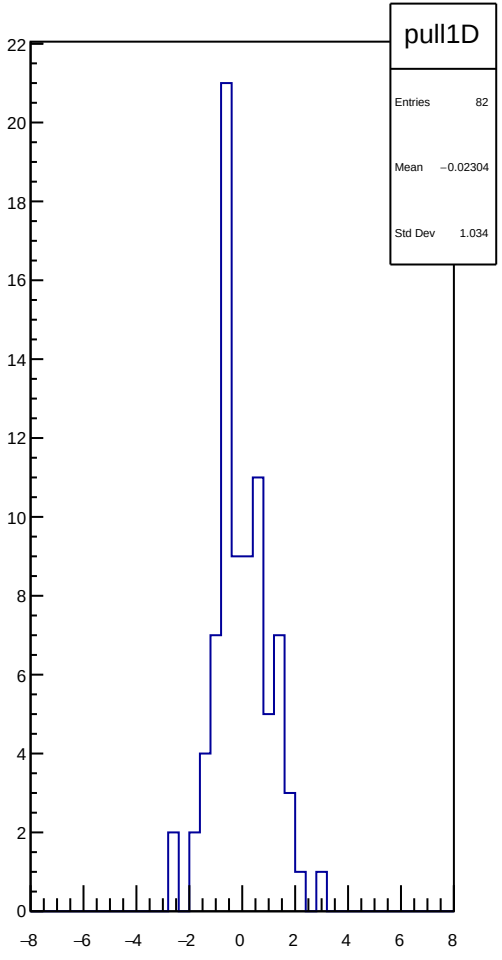

pull1D
Entries 70
Mean 0.05794
Std Dev 0.9531
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

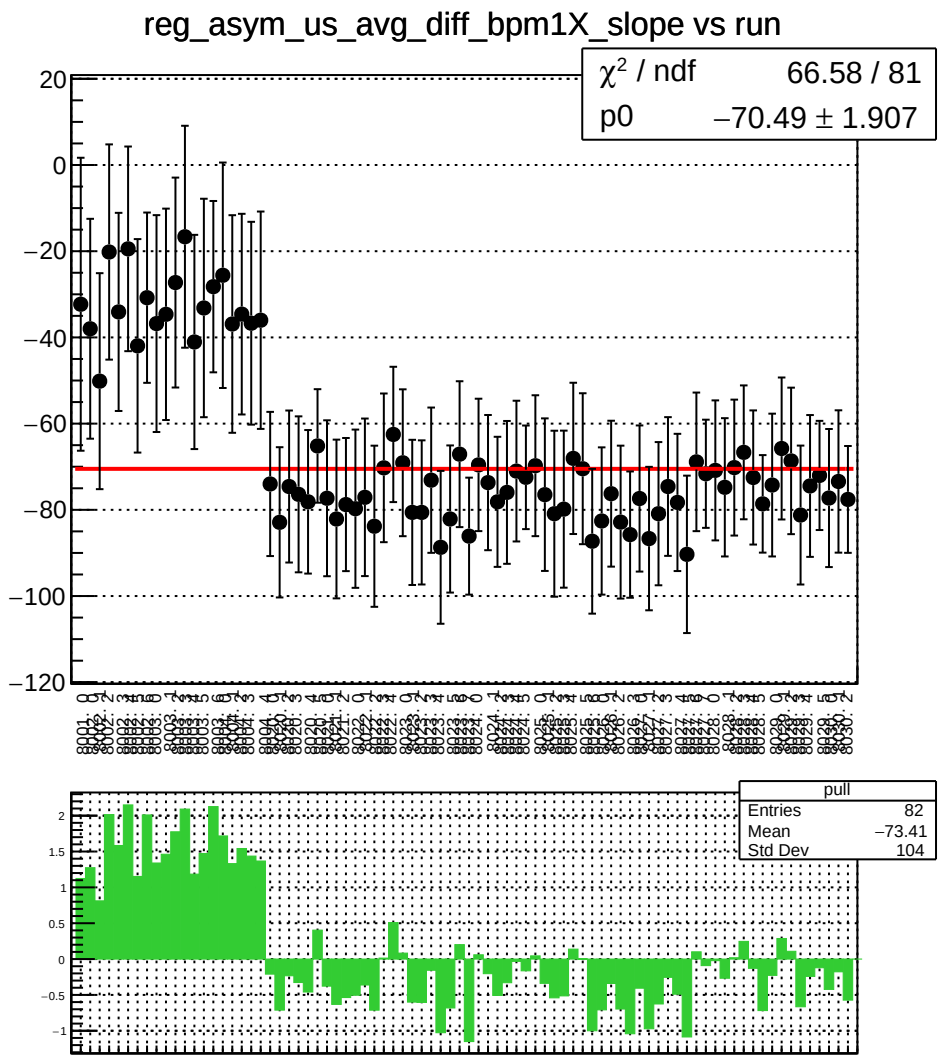

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 77.11 / 78
p0 −229.4 ± 364
1500
1000
500
0
−500
−1000
−1500
pull
Entries 79
Mean 30.35
Std Dev 16.61
2
1
0
−1
−2
−3

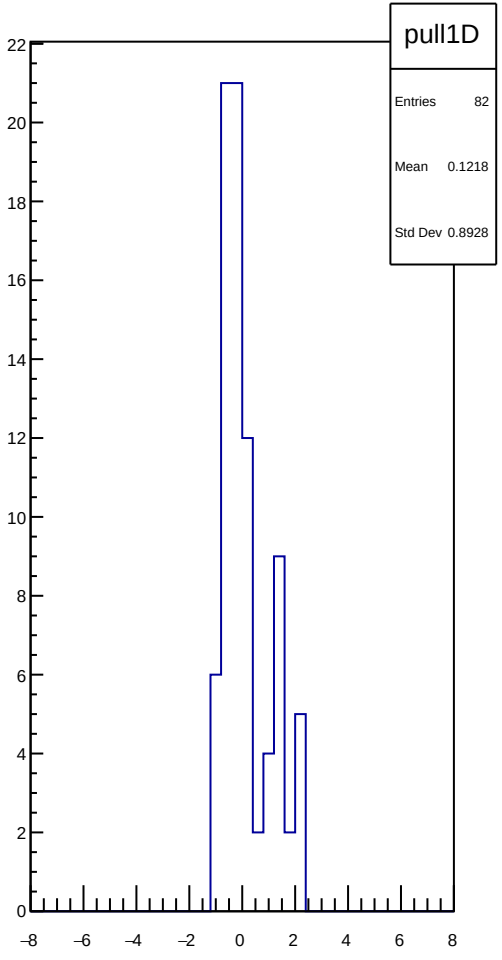

pull1D
Entries 79
Mean −0.115
Std Dev 0.9813
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

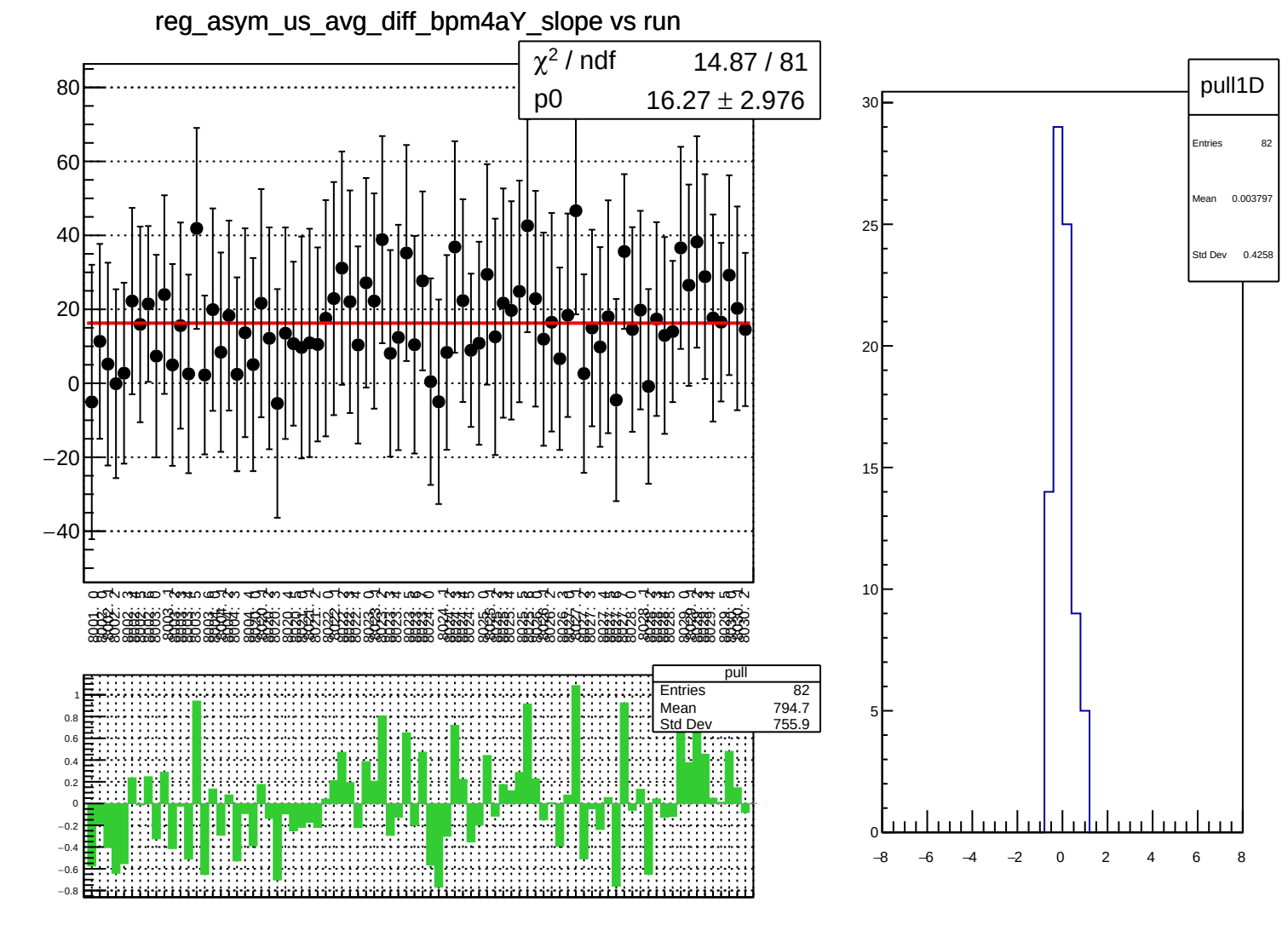

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 62.54 / 68
p0 1320 ± 479.9
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 69
Mean 89.52
Std Dev 47.5
pull1D
Entries 69
Mean −0.07361
Std Dev 0.9492

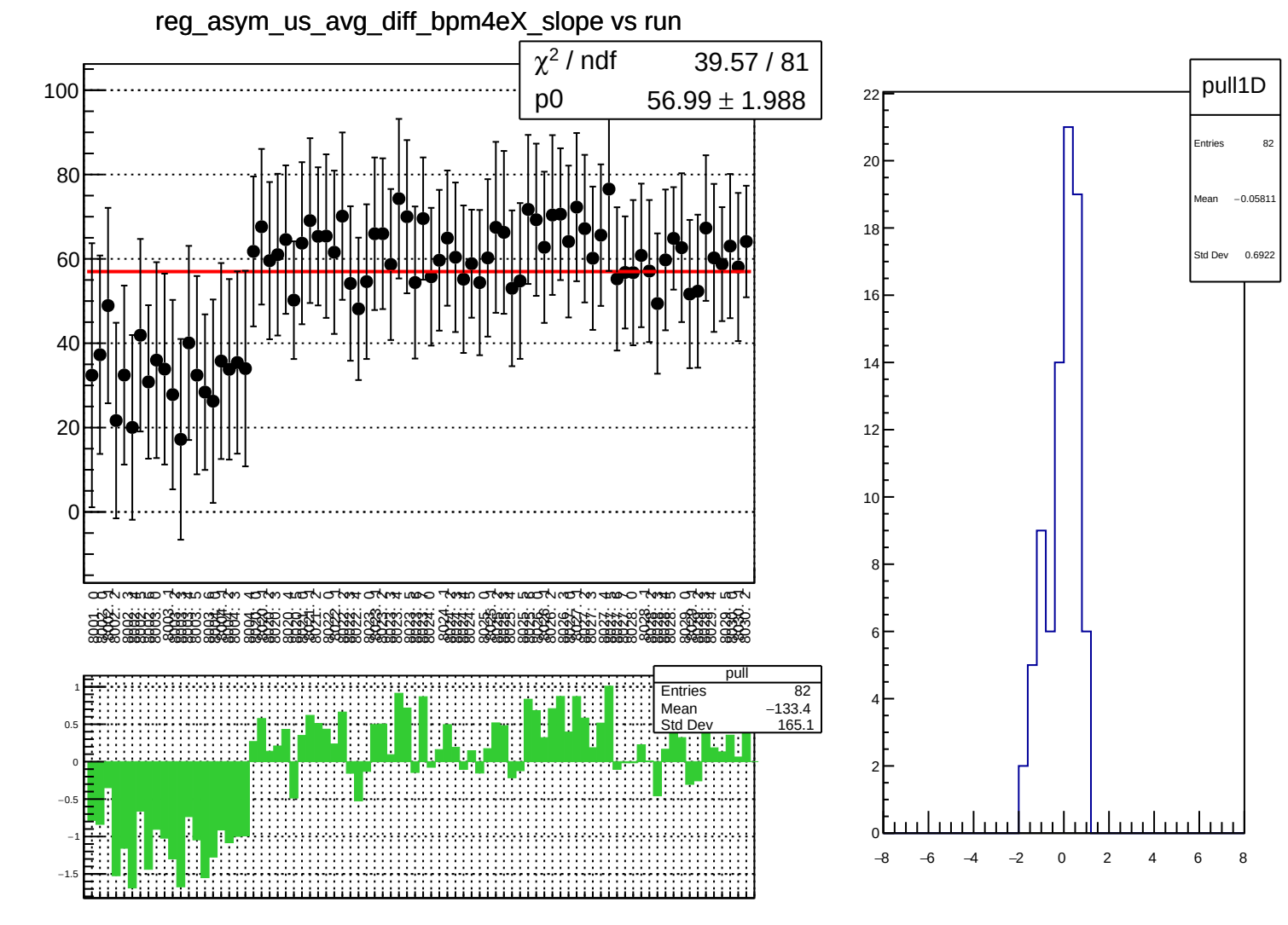

reg_asym_dsr_diff_bpm12X_slope vs run
×10^3
χ² / ndf 87.68 / 81
p0 12.87 ± 13.75
pull
Entries 82
Mean 57.03
Std Dev 59.08

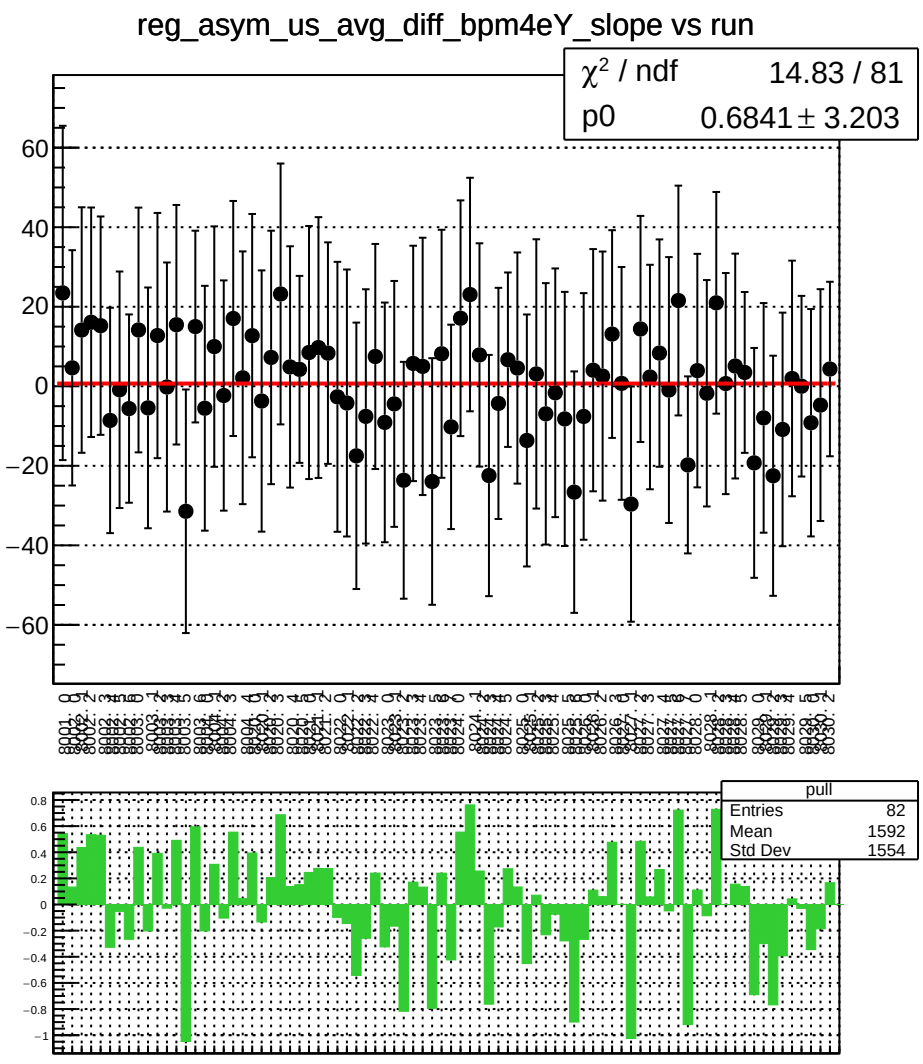

pull1D
Entries 82
Mean −0.02304
Std Dev 1.034

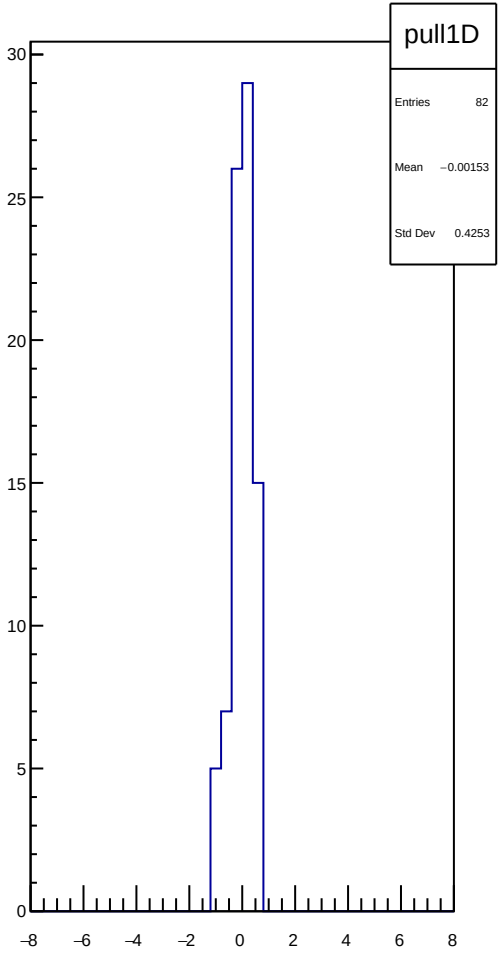

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 66.58 / 81
p0 −70.49 ± 1.907
pull
Entries 82
Mean −73.41
Std Dev 104

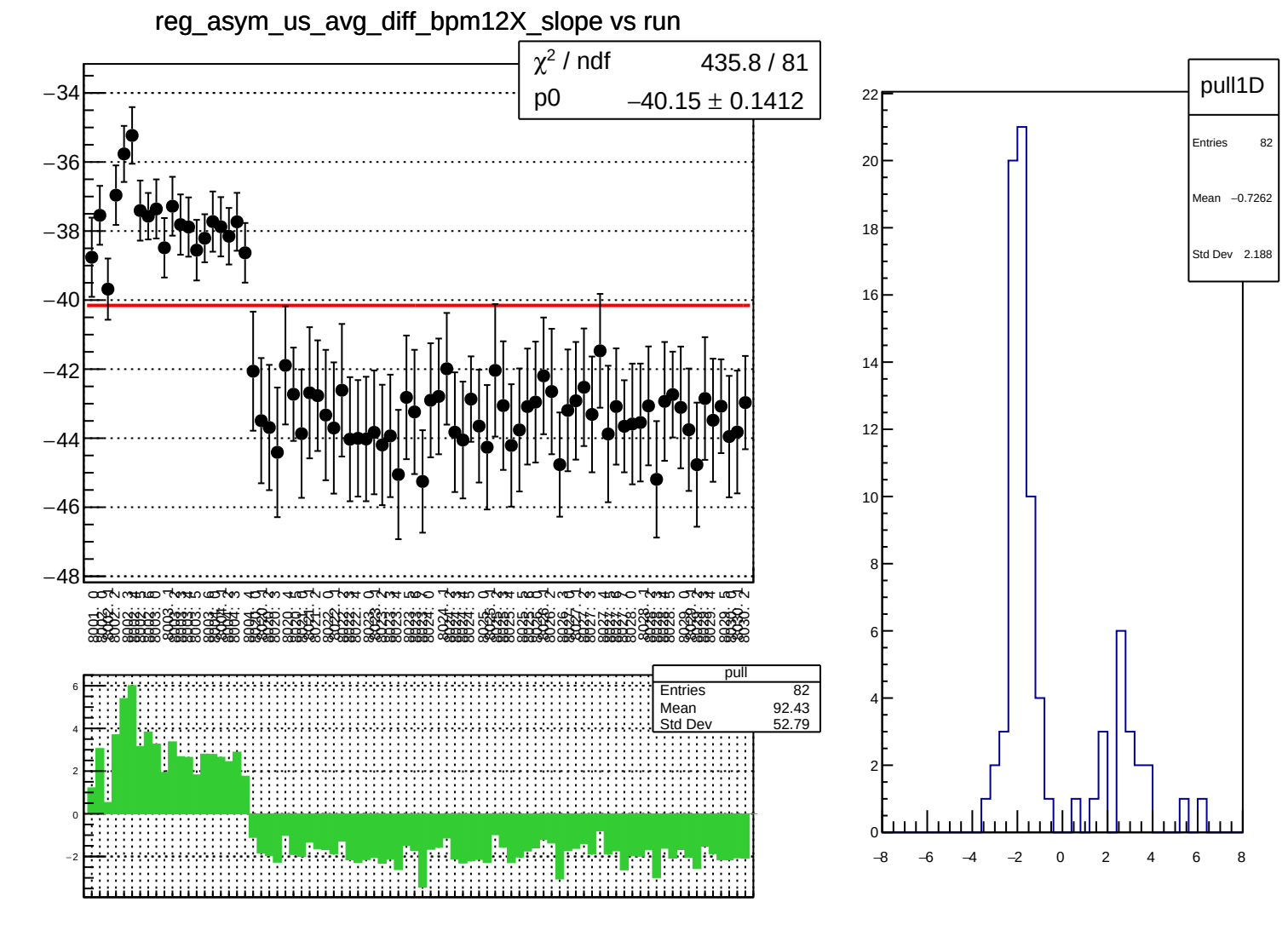

pull1D
Entries 82
Mean 0.1218
Std Dev 0.8928

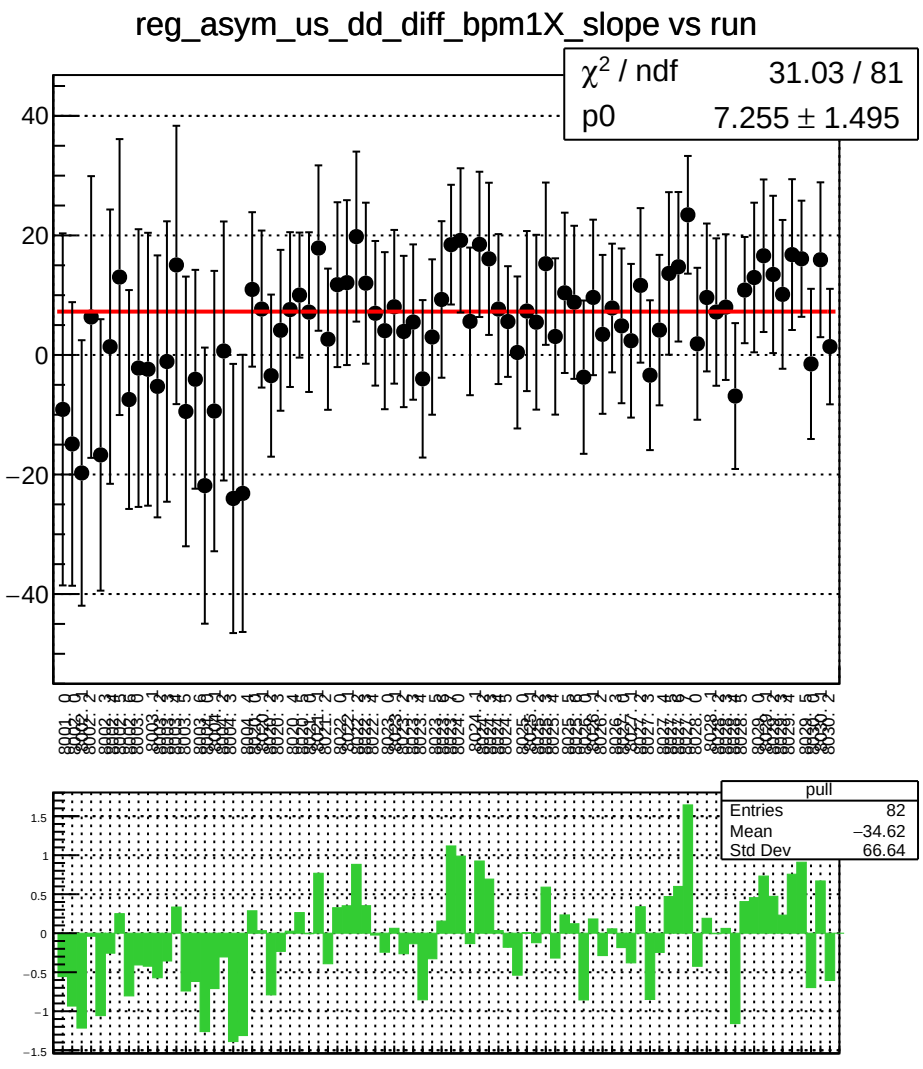

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.87 / 81
p0 16.27 ± 2.976
pull
Entries 82
Mean 794.7
Std Dev 755.9
pull1D
Entries 82
Mean 0.003797
Std Dev 0.4258

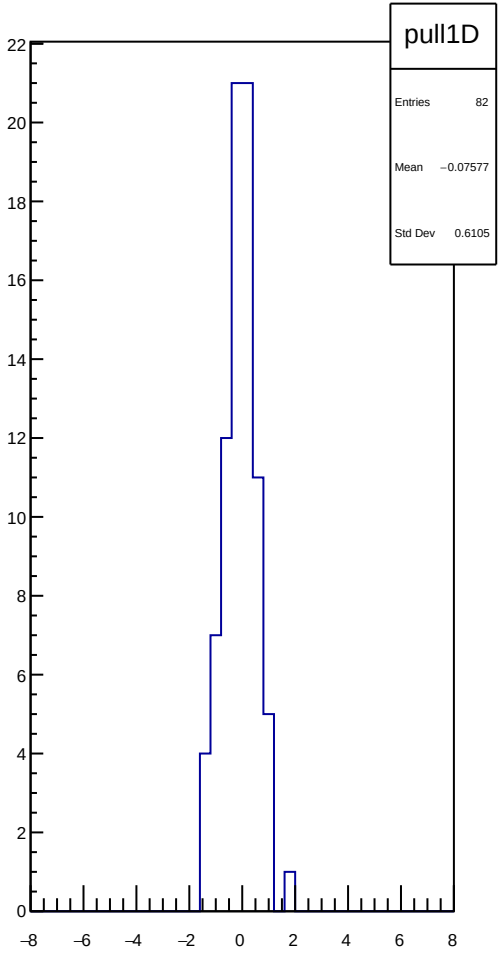

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.57 / 81
p0 56.99 ± 1.988
pull
Entries 82
Mean −133.4
Std Dev 165.1
pull1D
Entries 82
Mean −0.05811
Std Dev 0.6922

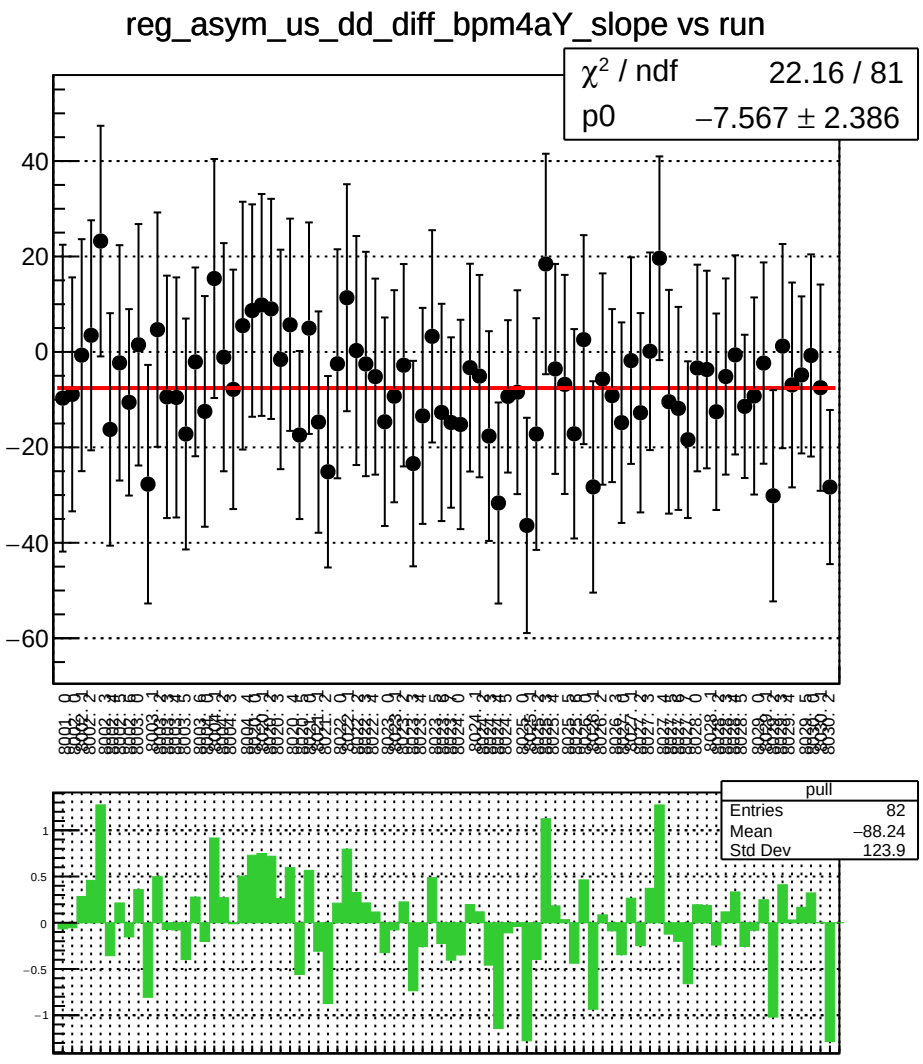

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.83 / 81
p0 0.6841 ± 3.203
pull
Entries 82
Mean 1592
Std Dev 1554

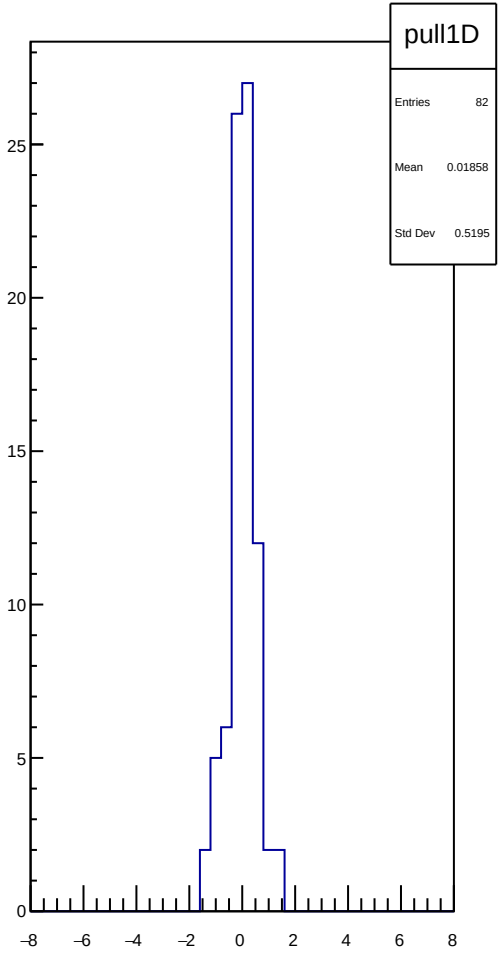

pull1D
Entries 82
Mean −0.00153
Std Dev 0.4253

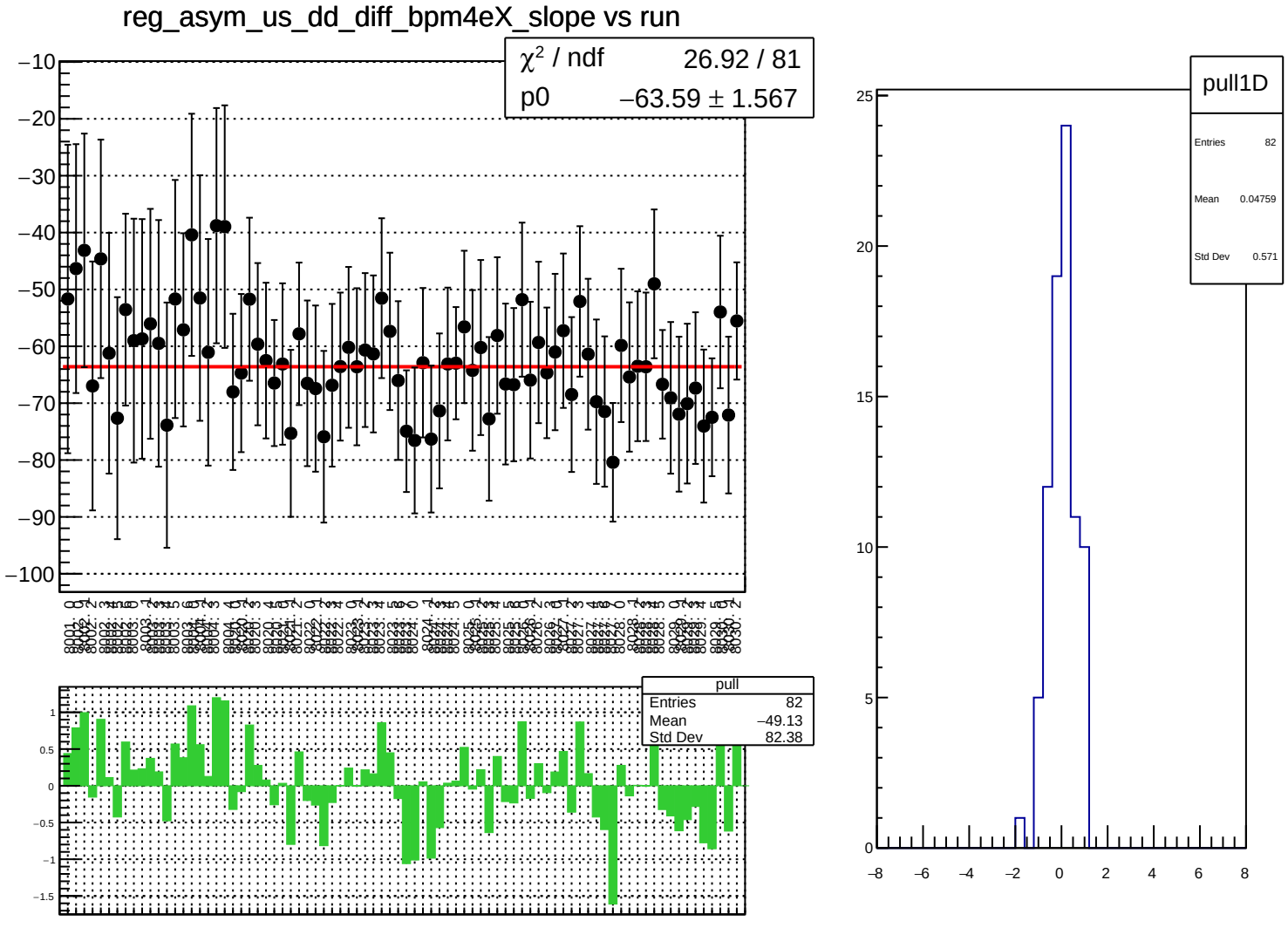

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 435.8 / 81
p0 −40.15 ± 0.1412
pull
Entries 82
Mean 92.43
Std Dev 52.79
pull1D
Entries 82
Mean −0.7262
Std Dev 2.188

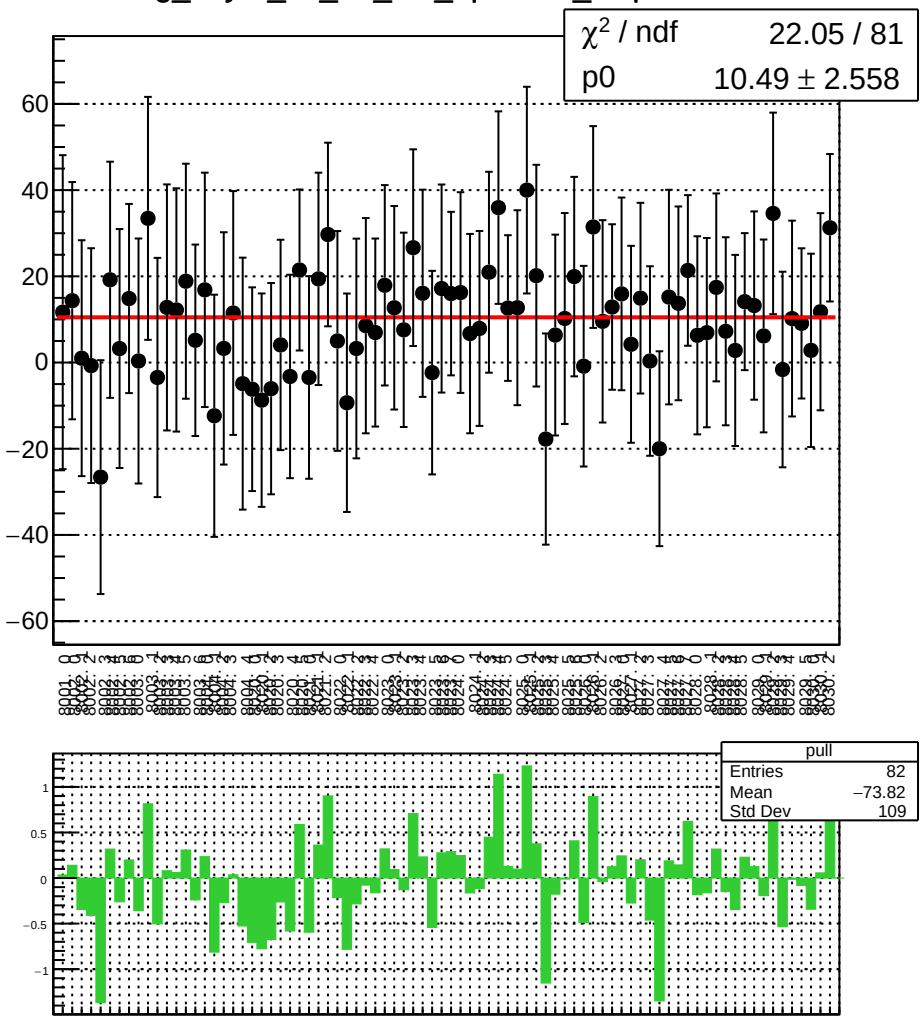

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 31.03 / 81
p0 7.255 ± 1.495
pull
Entries 82
Mean −34.62
Std Dev 66.64

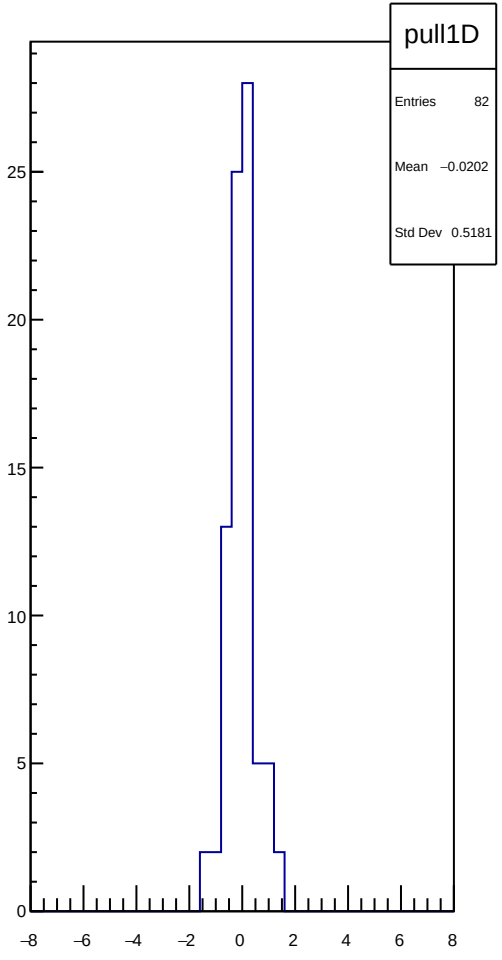

pull1D
Entries 82
Mean −0.07577
Std Dev 0.6105

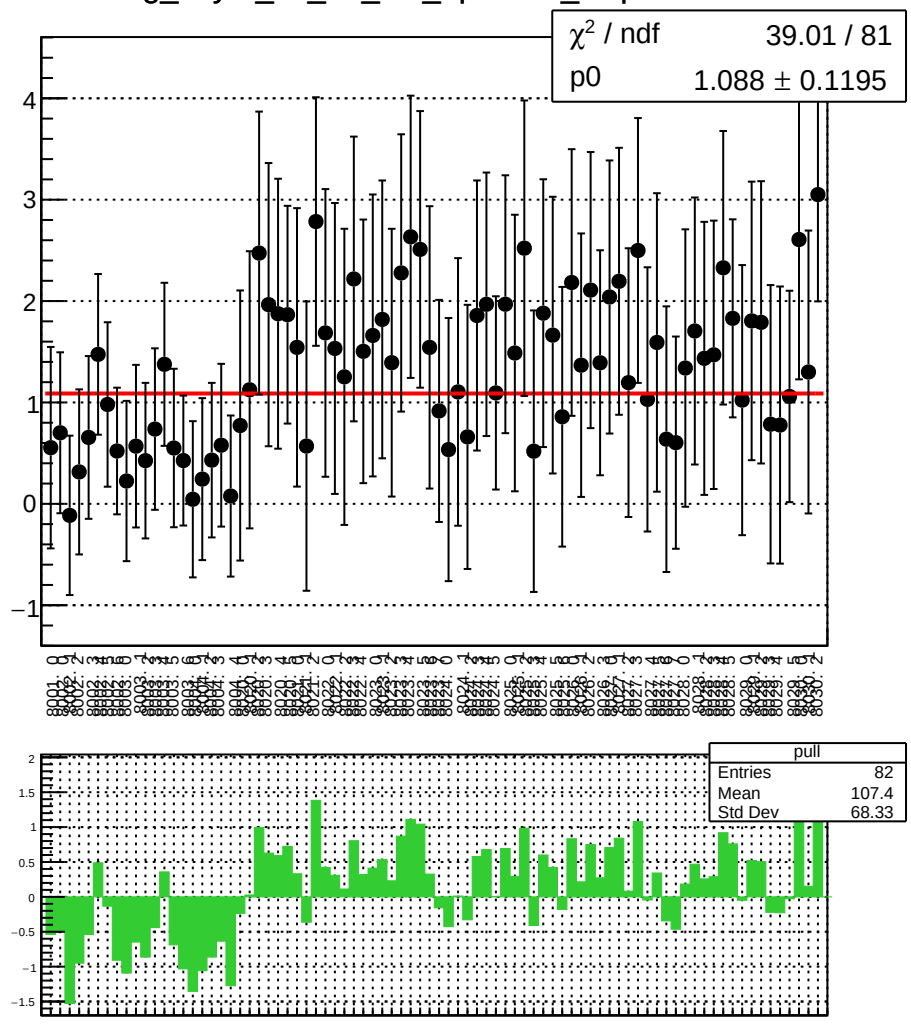

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.16 / 81
p0 −7.567 ± 2.386
40
20
0
−20
−40
−60
pull
Entries 82
Mean −88.24
Std Dev 123.9
1
0.5
0
−0.5
−1

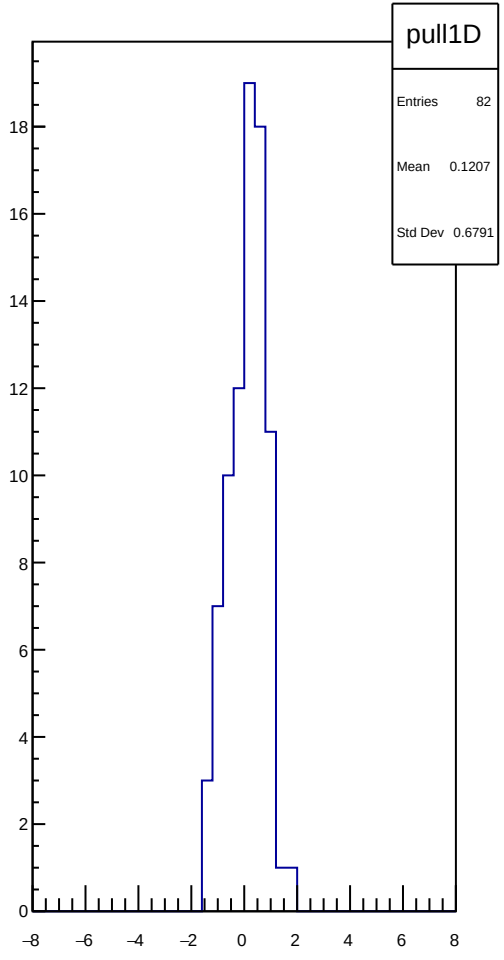

pull1D
Entries 82
Mean 0.01858
Std Dev 0.5195
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

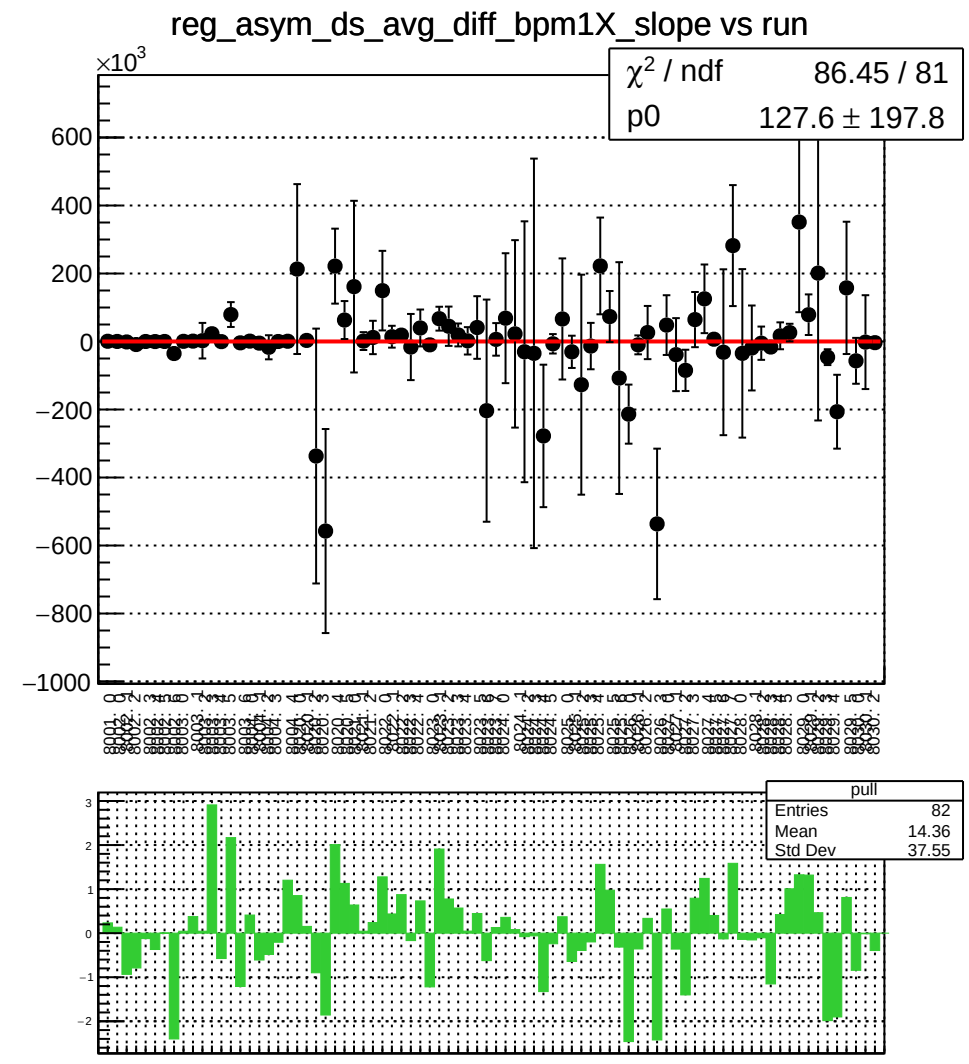

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.92 / 81
p0 −63.59 ± 1.567
pull
Entries 82
Mean −49.13
Std Dev 82.38
pull1D
Entries 82
Mean 0.04759
Std Dev 0.571

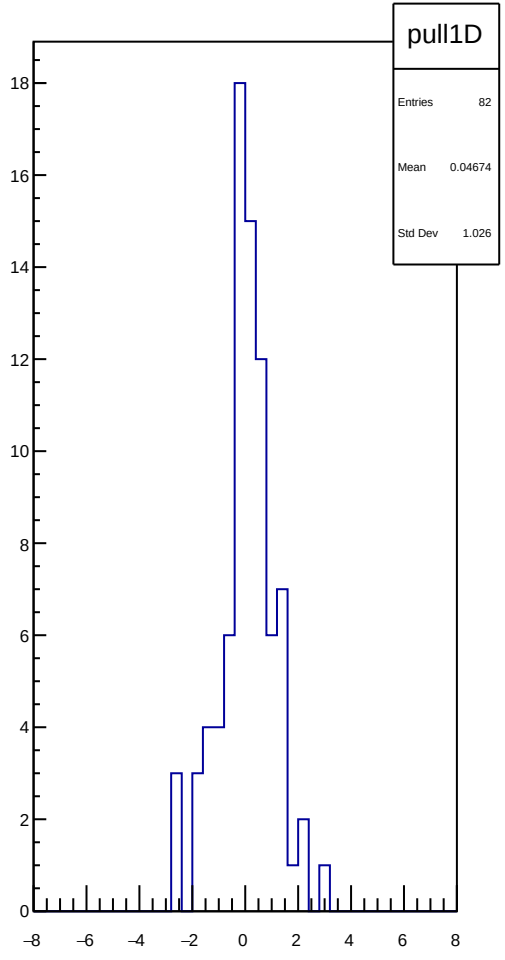

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.05 / 81
p0 10.49 ± 2.558
pull
Entries 82
Mean −73.82
Std Dev 109

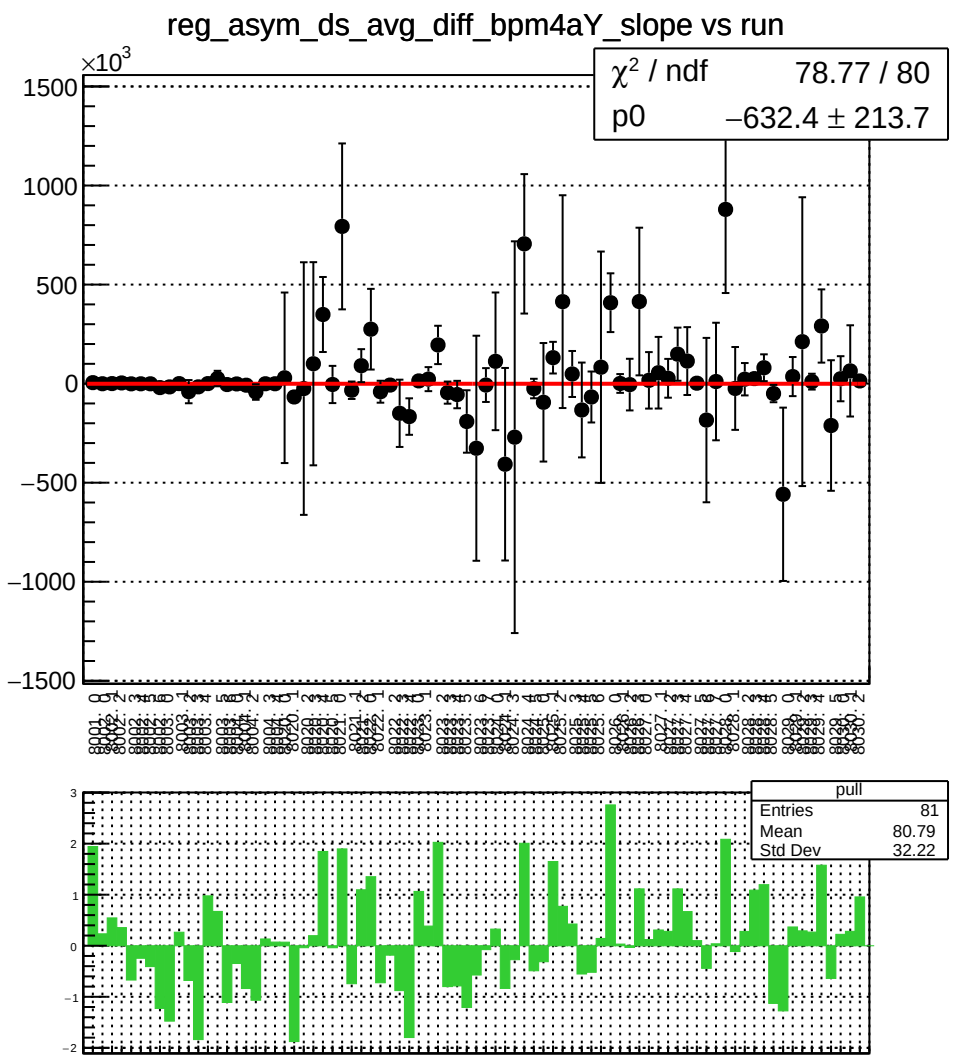

pull1D
Entries 82
Mean −0.0202
Std Dev 0.5181

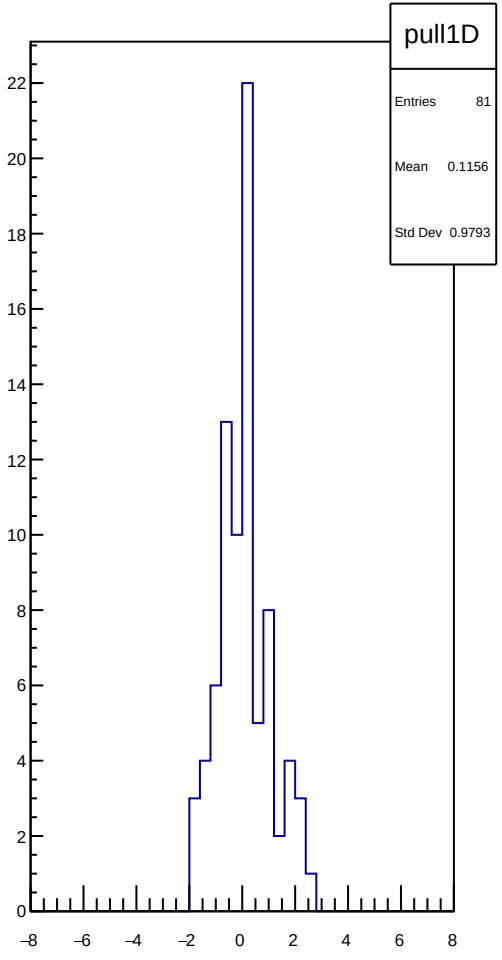

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 39.01 / 81
p0 1.088 ± 0.1195
pull
Entries 82
Mean 107.4
Std Dev 68.33

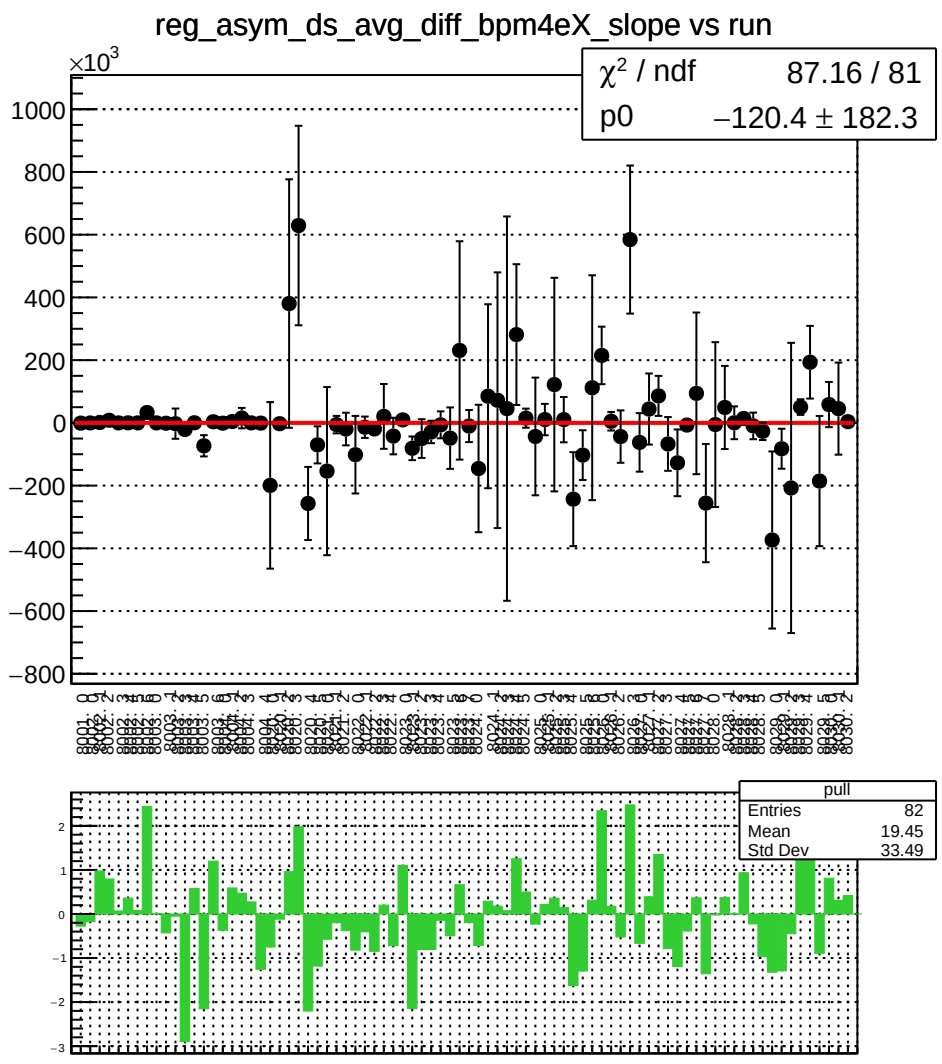

pull1D
Entries 82
Mean 0.1207
Std Dev 0.6791

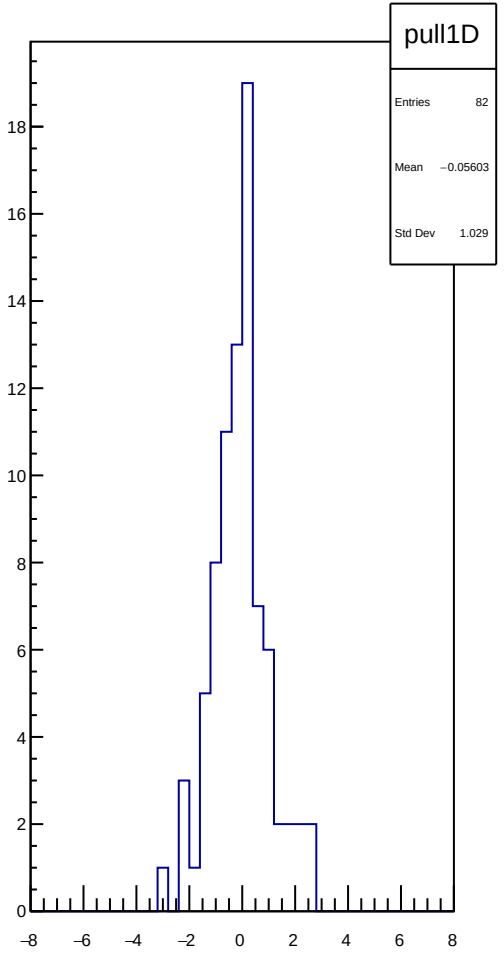

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 86.45 / 81
p0 127.6 ± 197.8
pull
Entries 82
Mean 14.36
Std Dev 37.55

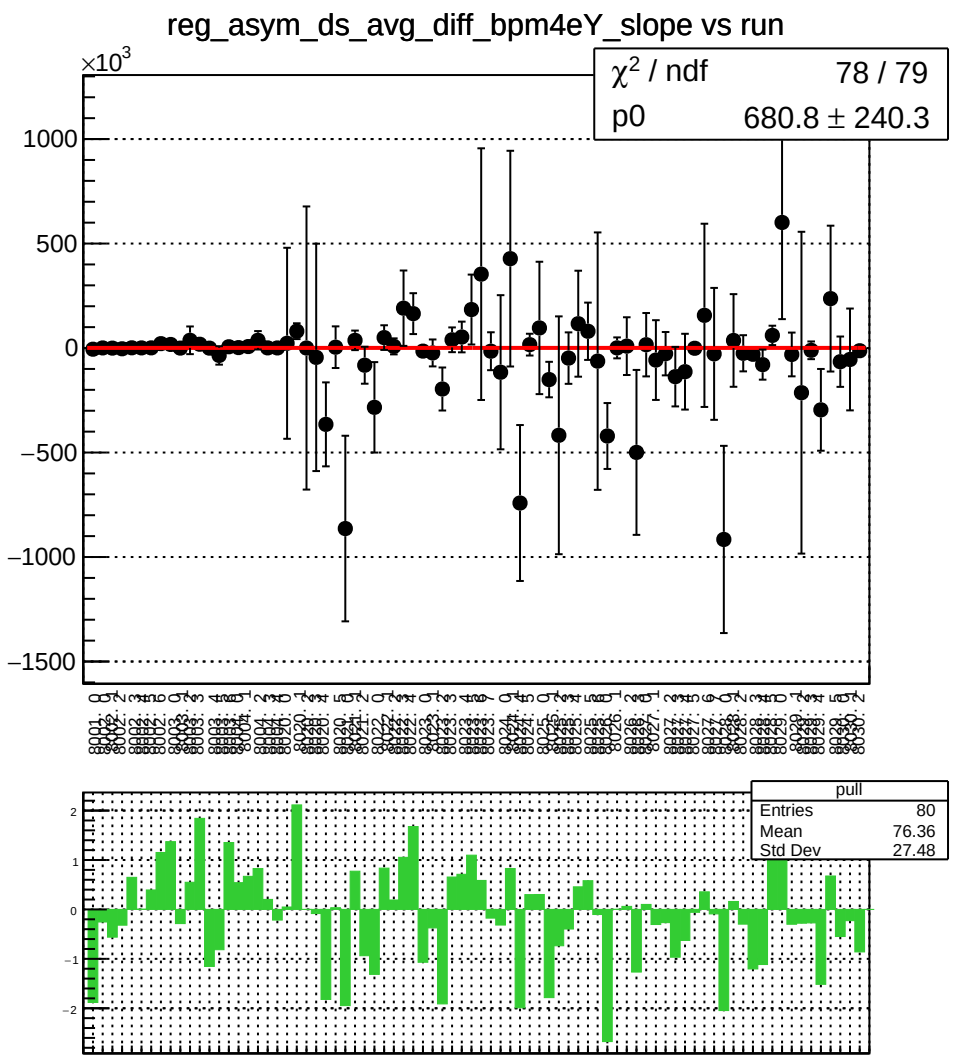

pull1D
Entries 82
Mean 0.04674
Std Dev 1.026

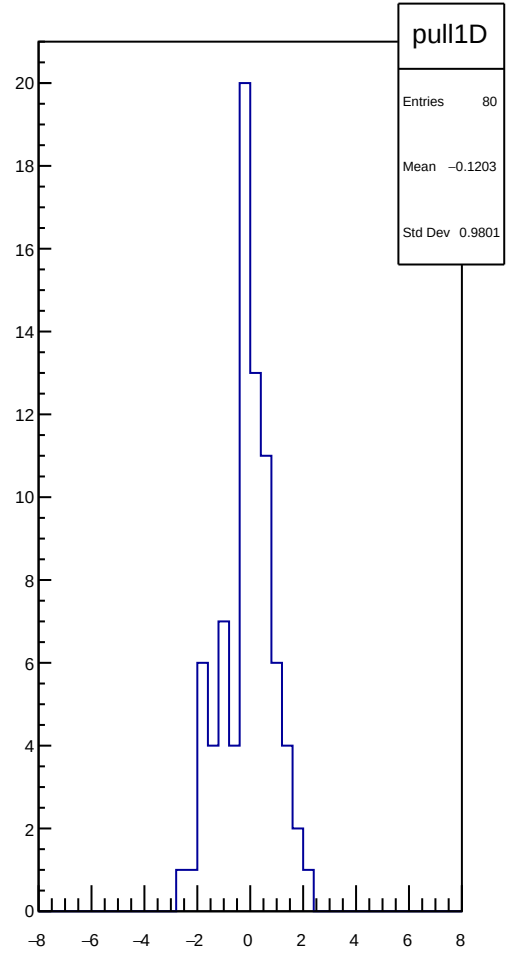

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 78.77 / 80
p0 −632.4 ± 213.7
pull
Entries 81
Mean 80.79
Std Dev 32.22

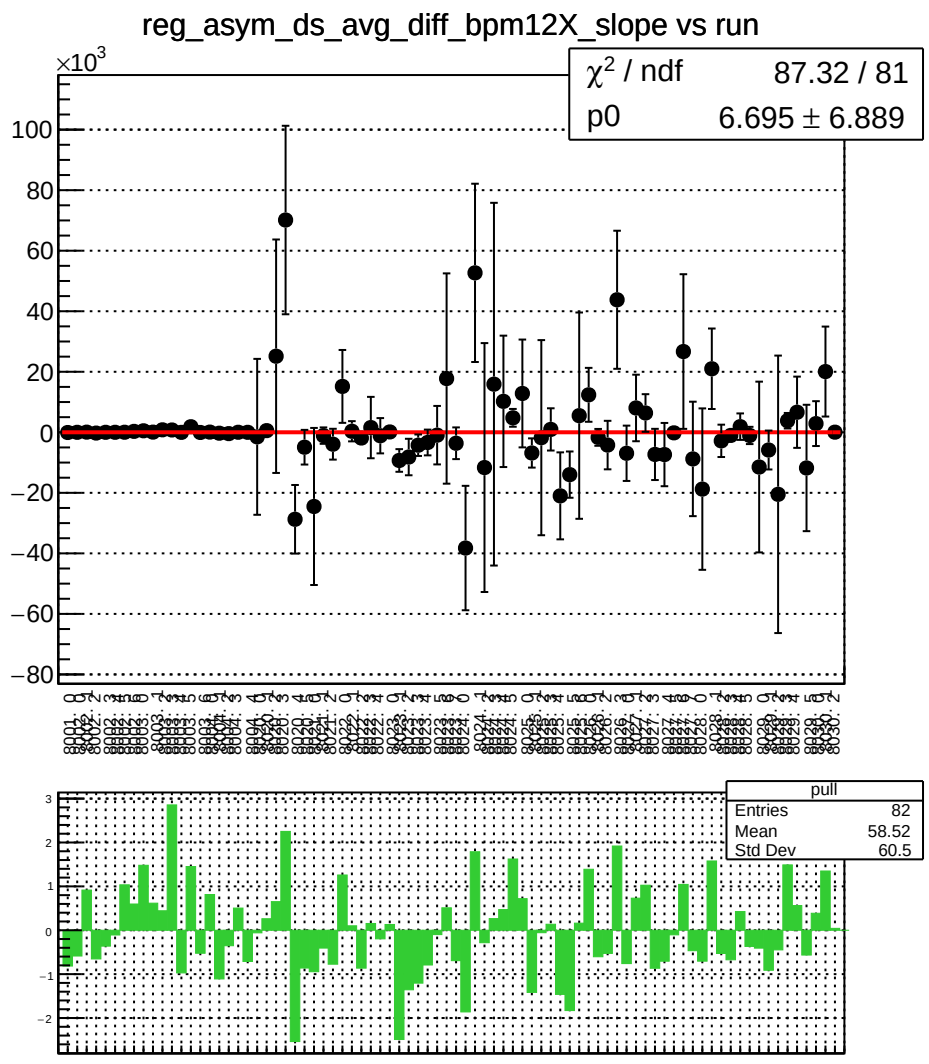

pull1D
Entries 81
Mean 0.1156
Std Dev 0.9793

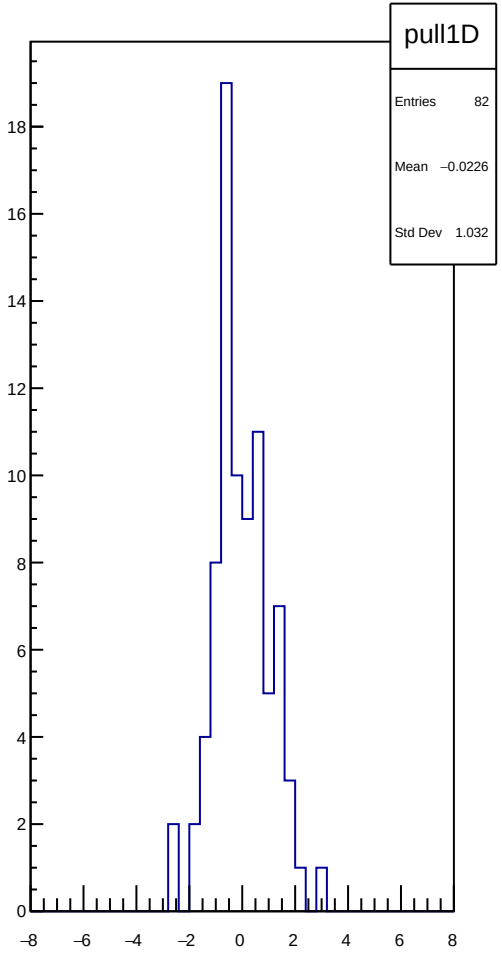

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 87.16 / 81
p0 −120.4 ± 182.3
pull
Entries 82
Mean 19.45
Std Dev 33.49

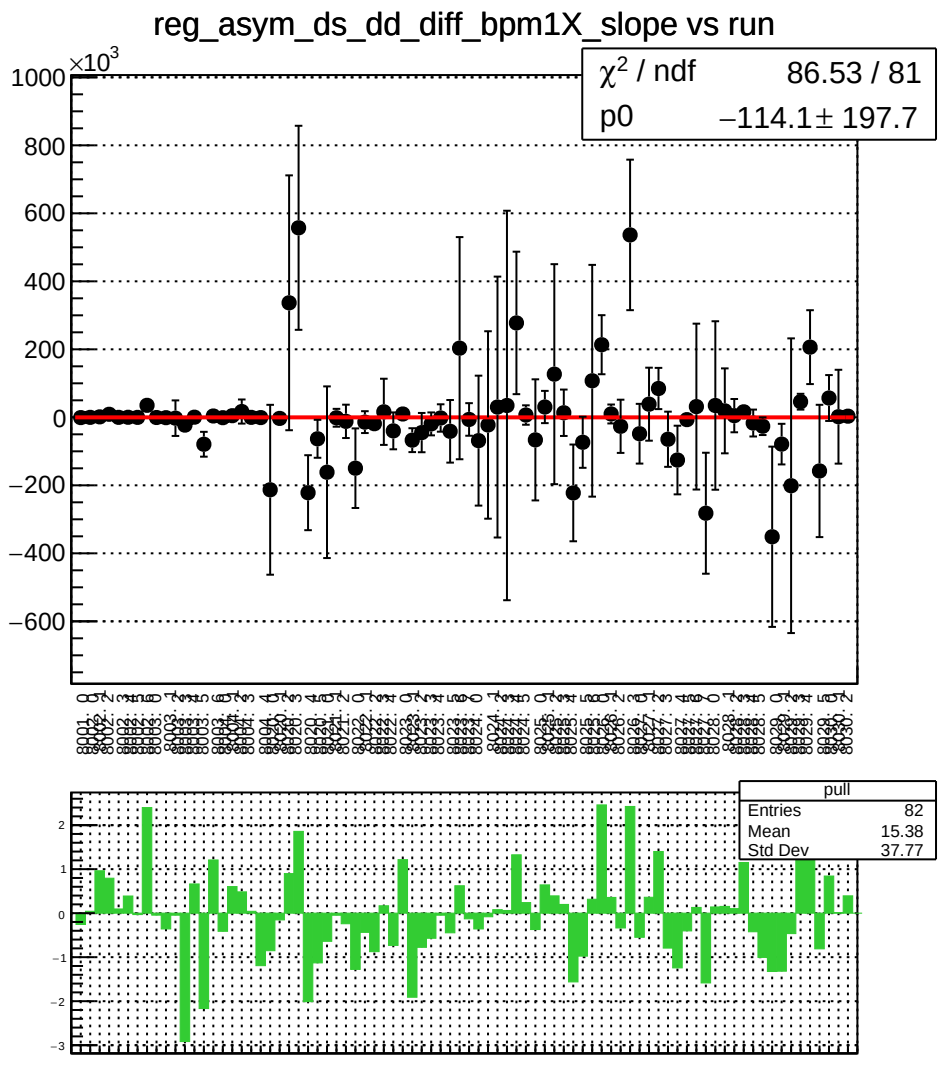

pull1D
Entries 82
Mean −0.05603
Std Dev 1.029

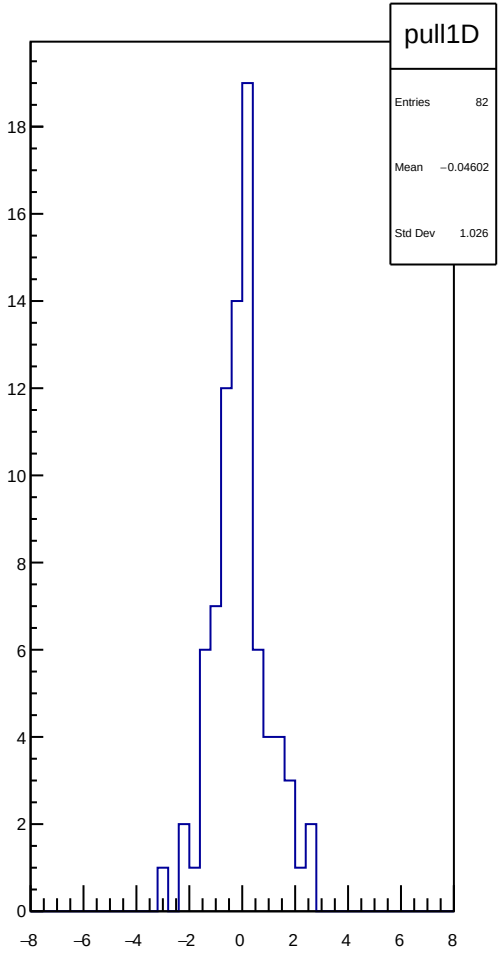

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 78 / 79
p0 680.8 ± 240.3
1000
500
0
−500
−1000
−1500
pull
Entries 80
Mean 76.36
Std Dev 27.48
2
1
0
−1

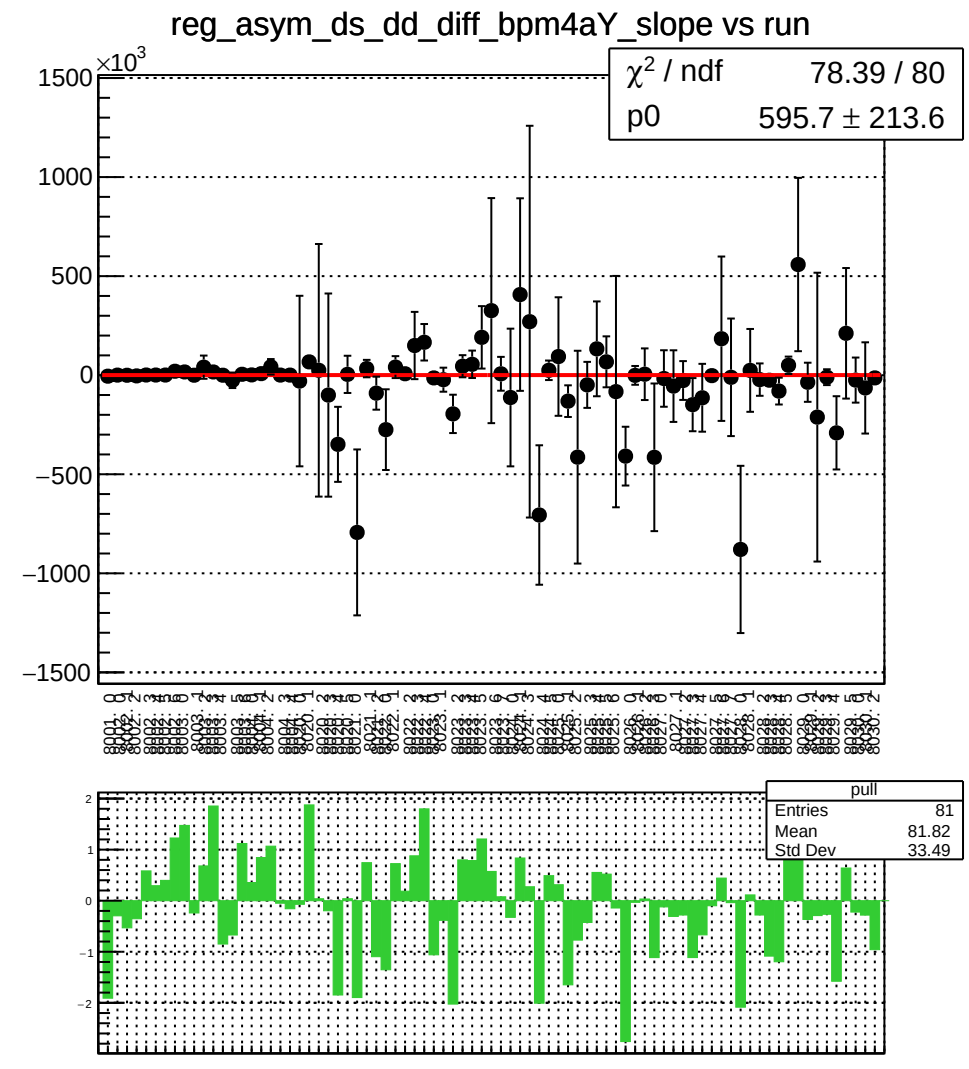

pull1D
Entries 80
Mean −0.1203
Std Dev 0.9801
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

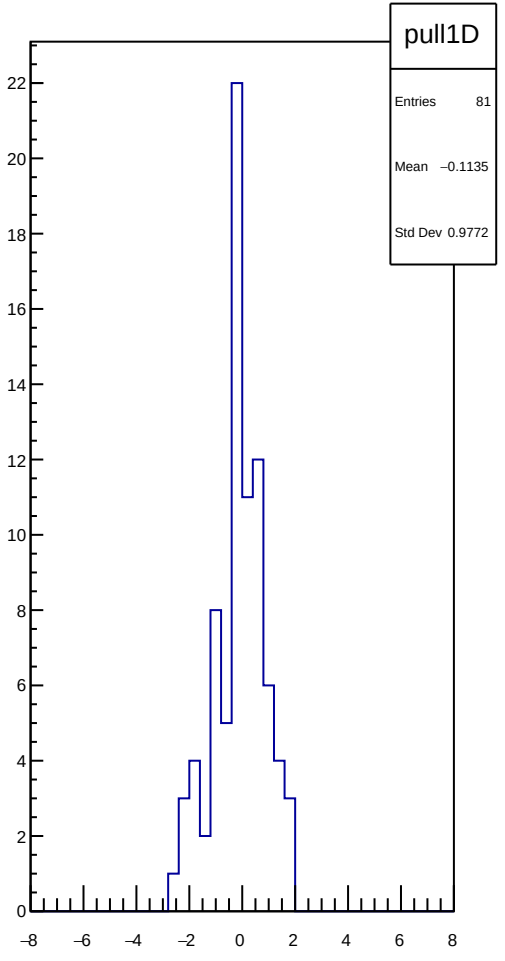

reg_asym_ds_avg_diff_bpm12X_slope vs run
×10^3
χ^2 / ndf 87.32 / 81
p0 6.695 ± 6.889
pull
Entries 82
Mean 58.52
Std Dev 60.5

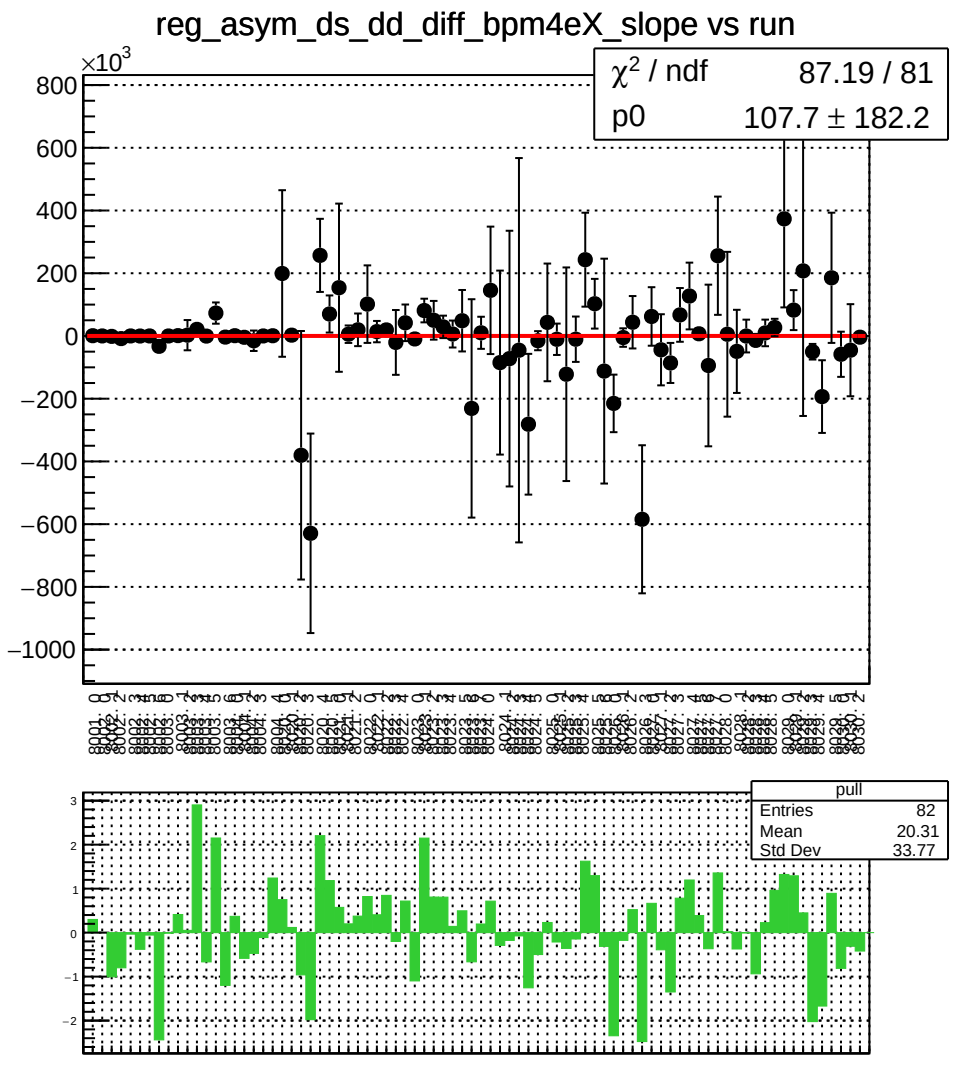

pull1D
Entries 82
Mean −0.0226
Std Dev 1.032

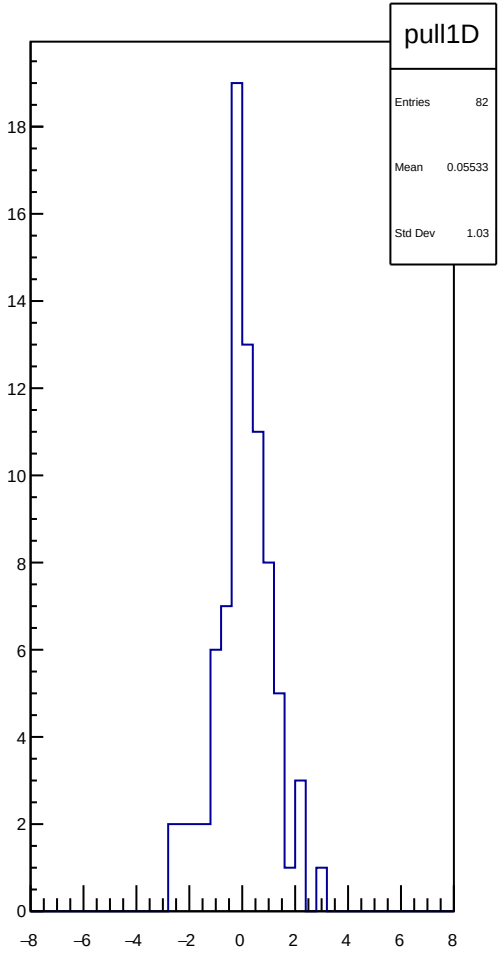

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 86.53 / 81
p0 −114.1± 197.7
×10³
pull
Entries 82
Mean 15.38
Std Dev 37.77

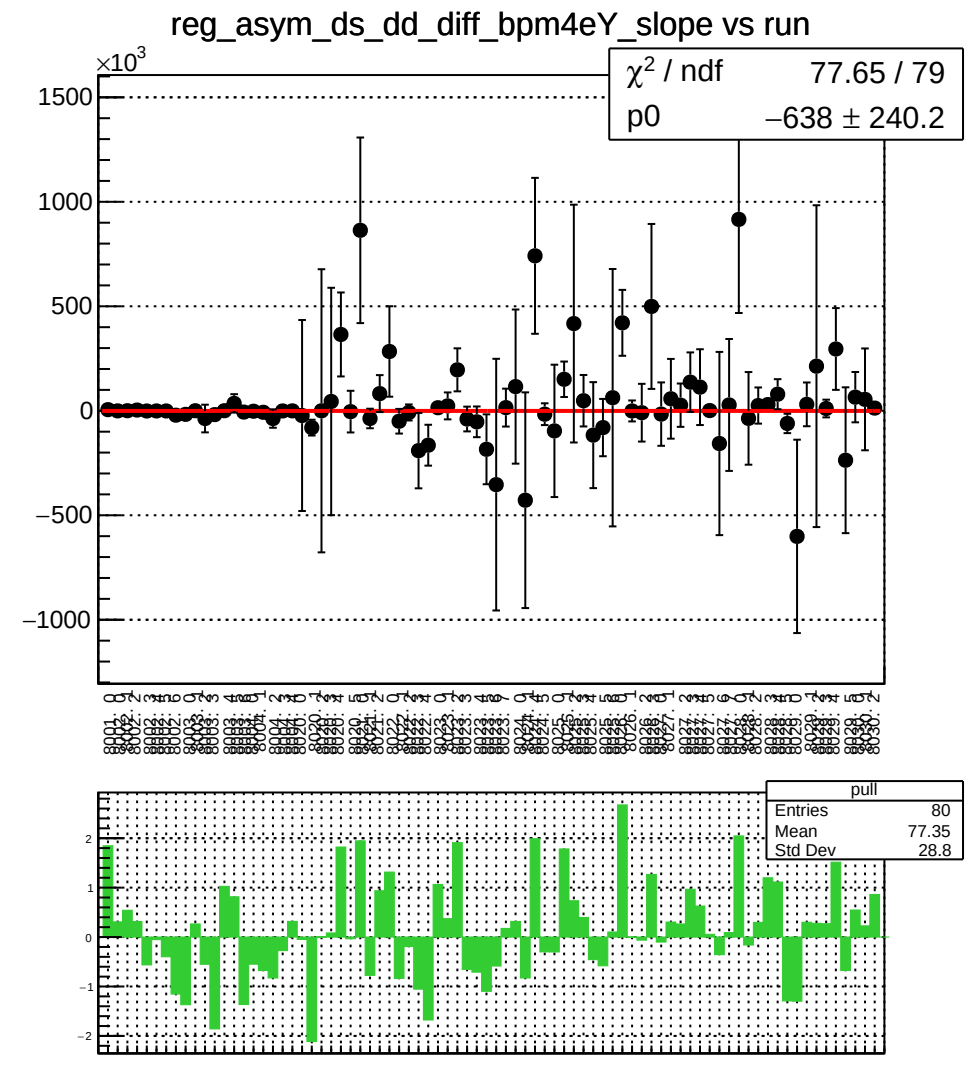

pull1D
Entries 82
Mean −0.04602
Std Dev 1.026

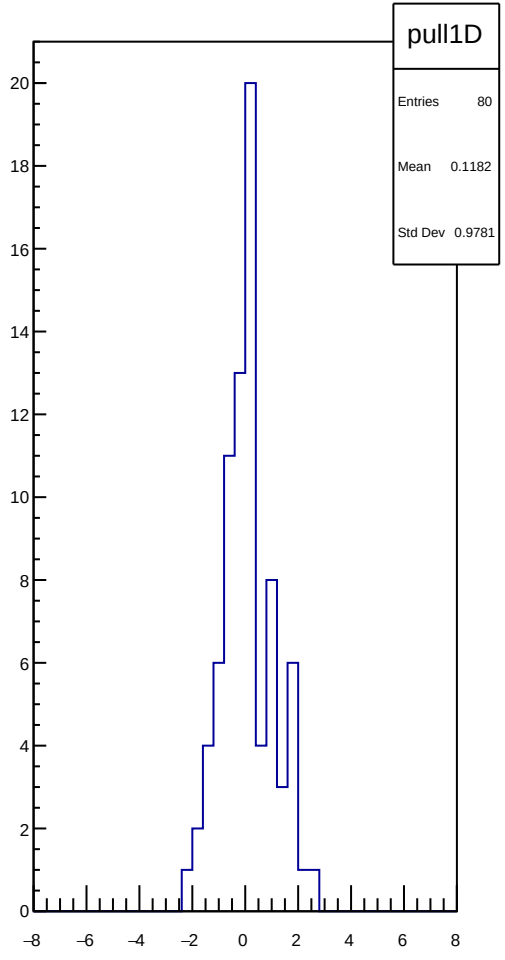

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 78.39 / 80
p0 595.7 ± 213.6
pull
Entries 81
Mean 81.82
Std Dev 33.49

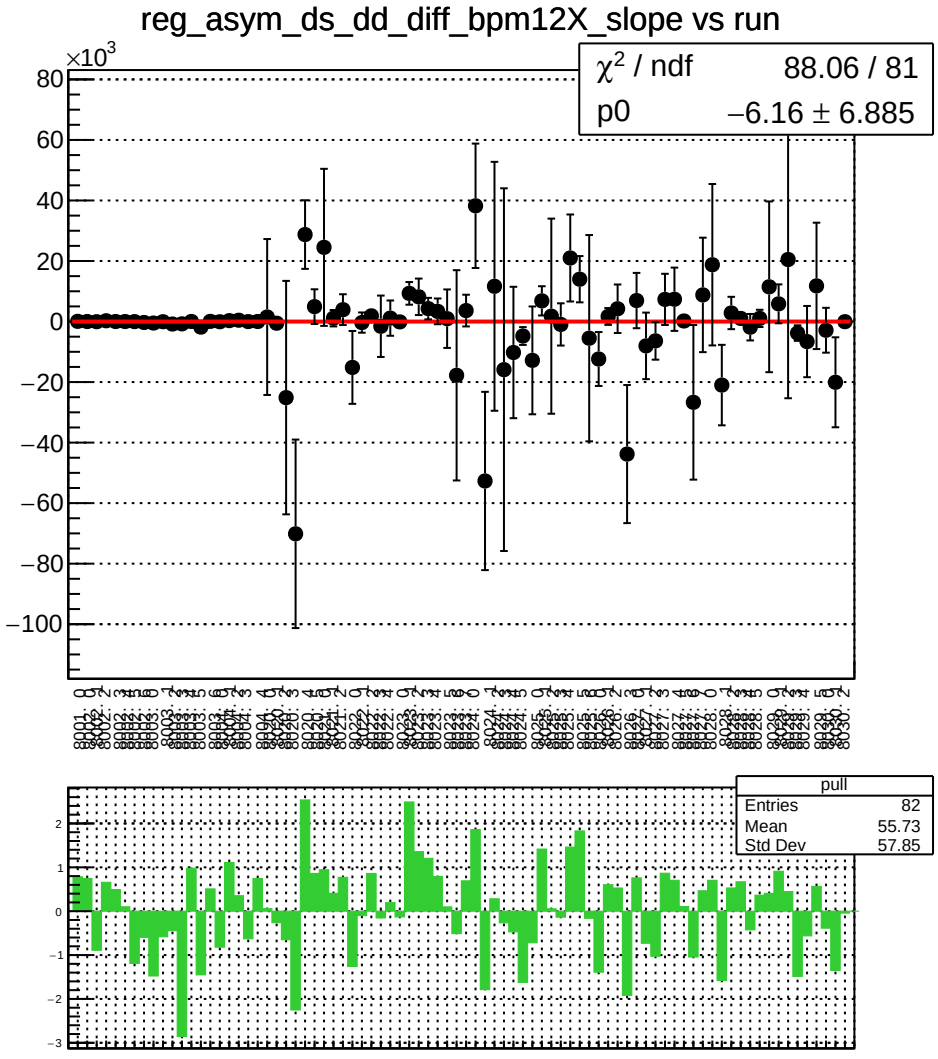

pull1D
Entries 81
Mean −0.1135
Std Dev 0.9772

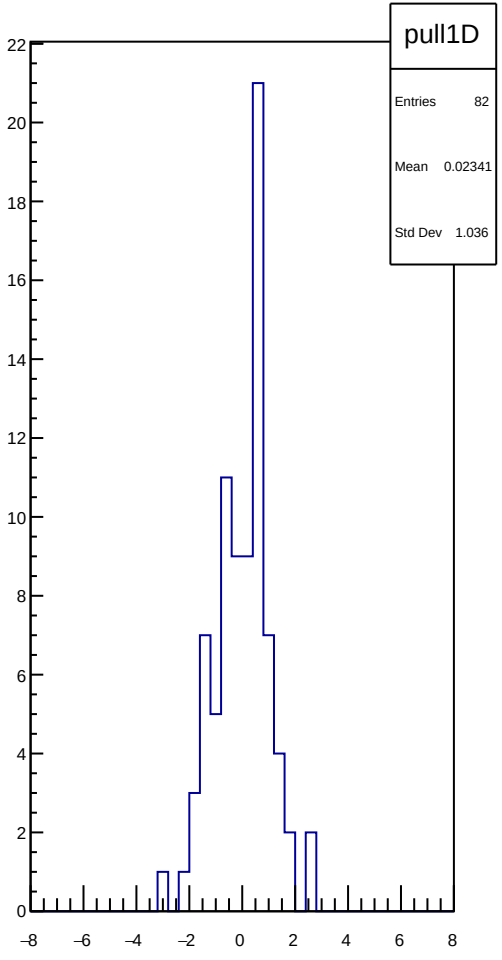

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.19 / 81
p0 107.7 ± 182.2
pull
Entries 82
Mean 20.31
Std Dev 33.77

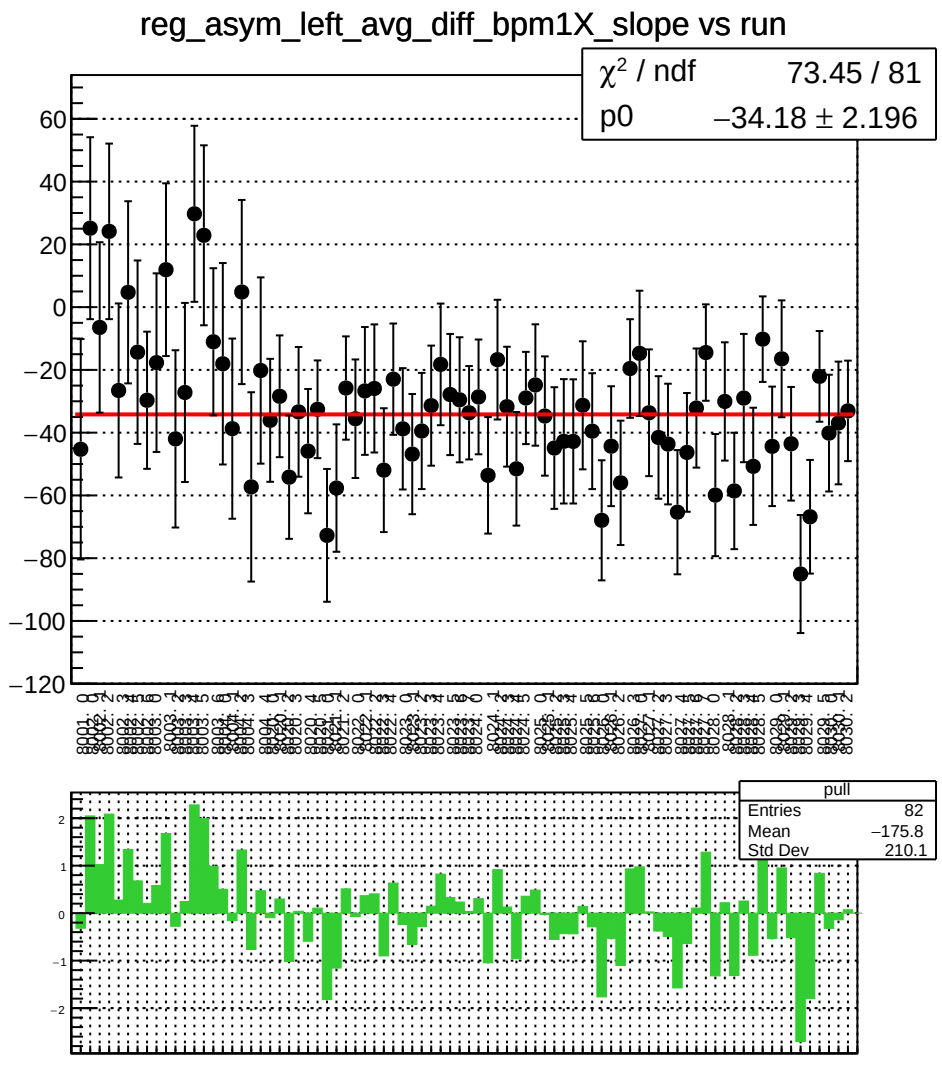

pull1D
Entries 82
Mean 0.05533
Std Dev 1.03

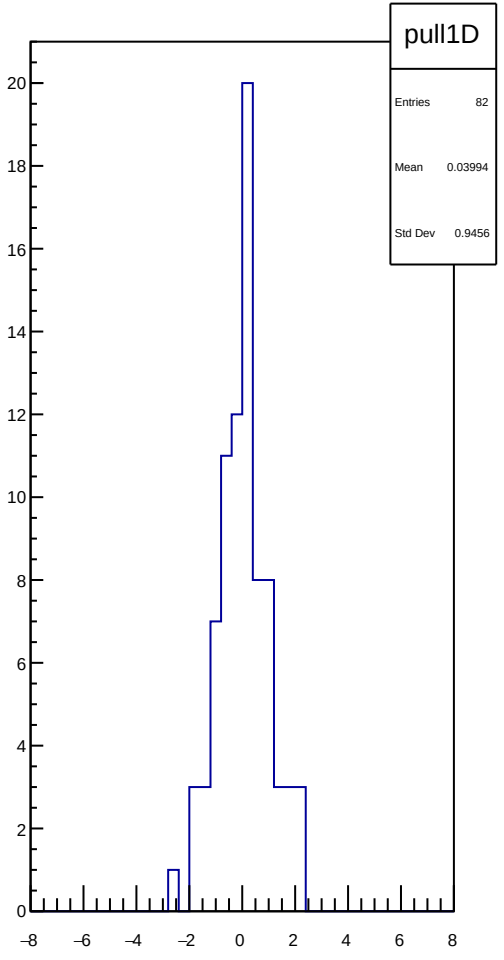

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 77.65 / 79
p0 −638 ± 240.2
1500
1000
500
0
−500
−1000
pull
Entries 80
Mean 77.35
Std Dev 28.8
2
1
0
−1
−2

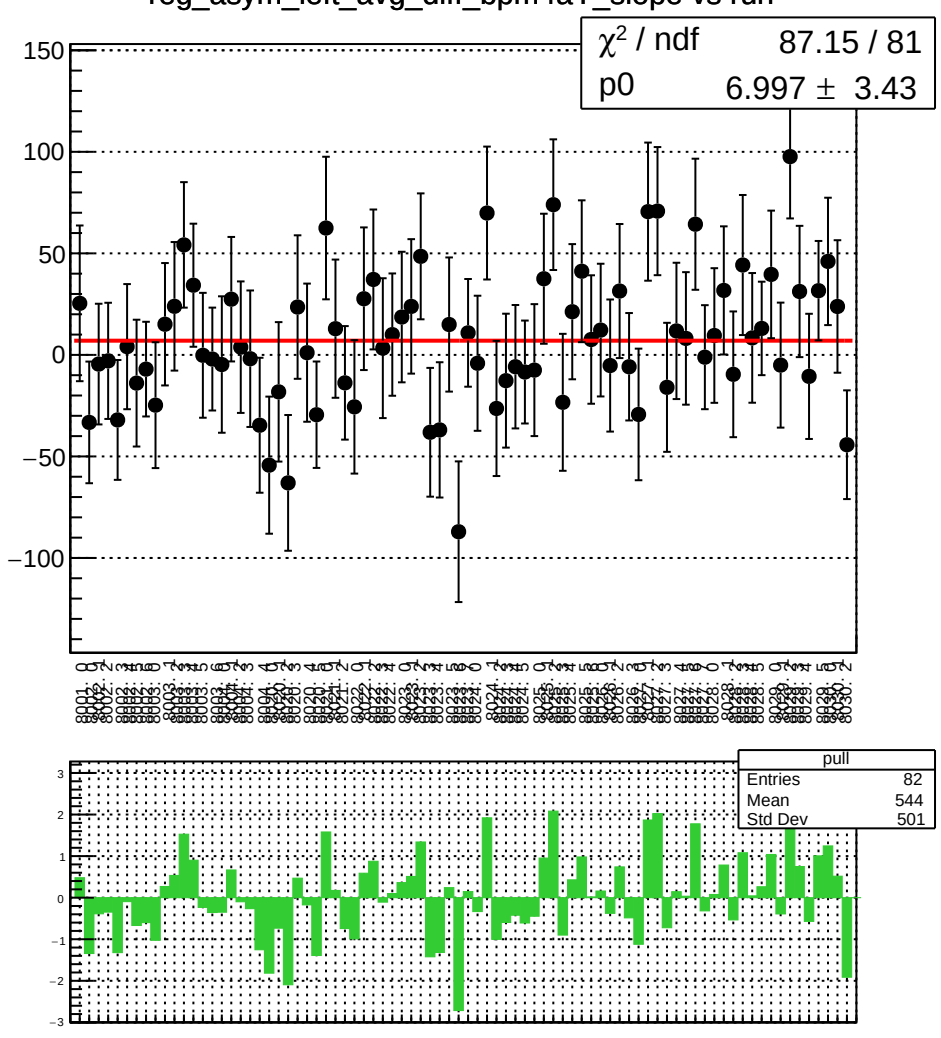

pull1D
Entries 80
Mean 0.1182
Std Dev 0.9781
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

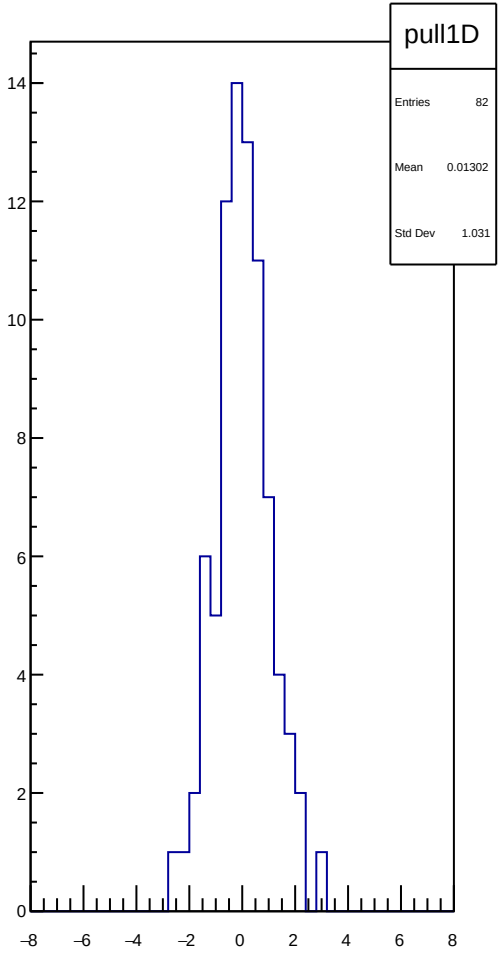

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 88.06 / 81
p0 −6.16 ± 6.885
×10³
pull
Entries 82
Mean 55.73
Std Dev 57.85

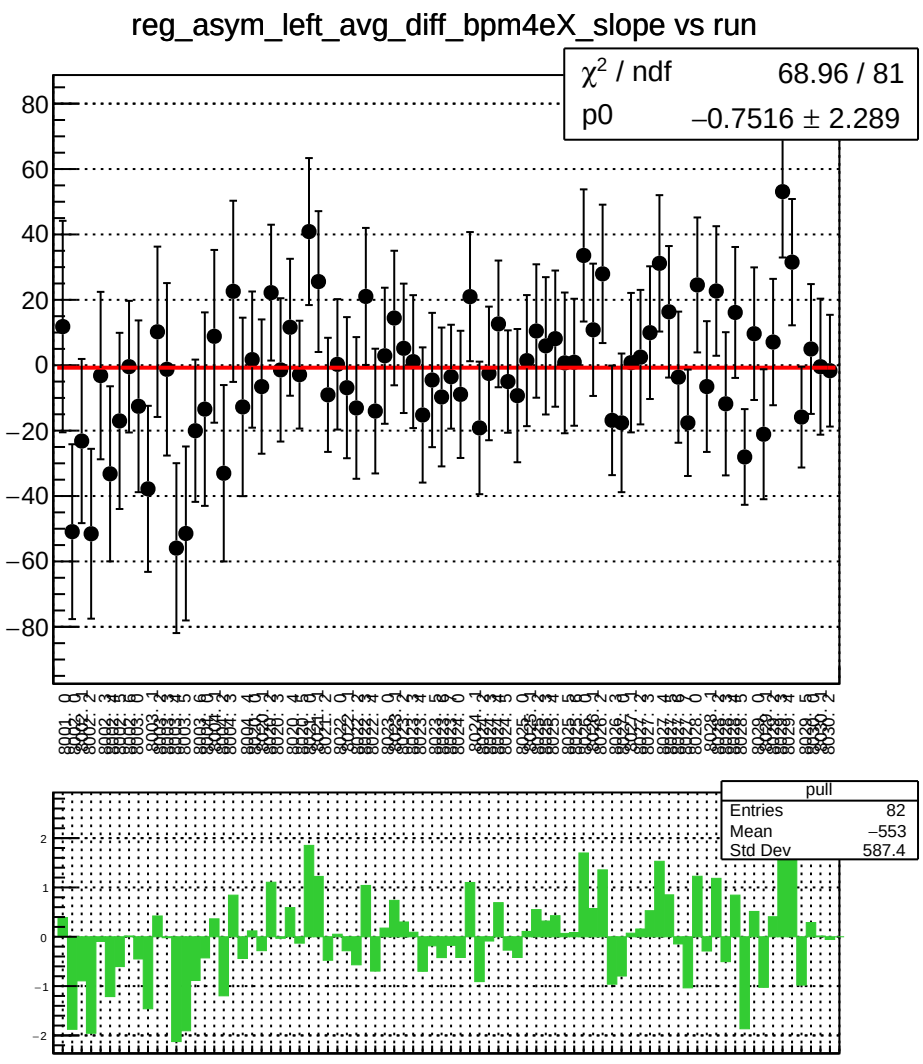

pull1D
Entries 82
Mean 0.02341
Std Dev 1.036

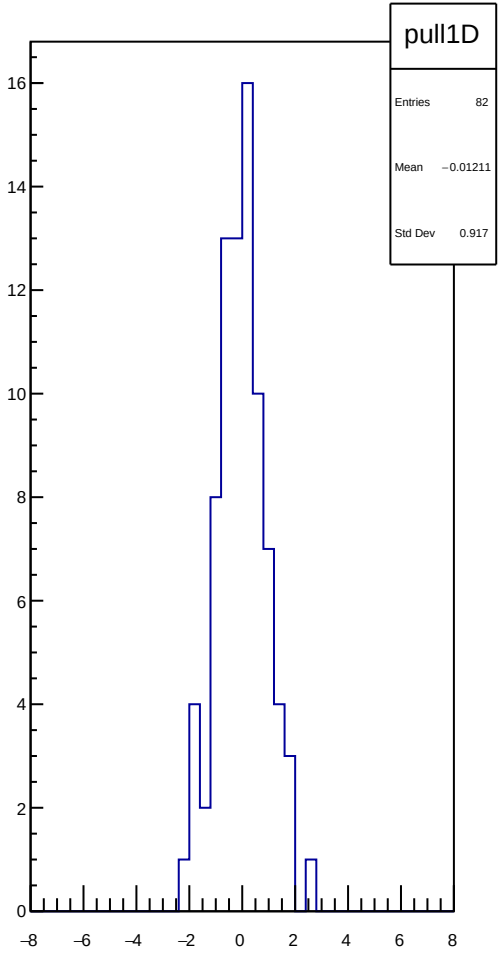

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 73.45 / 81
p0 −34.18 ± 2.196
pull
Entries 82
Mean −175.8
Std Dev 210.1

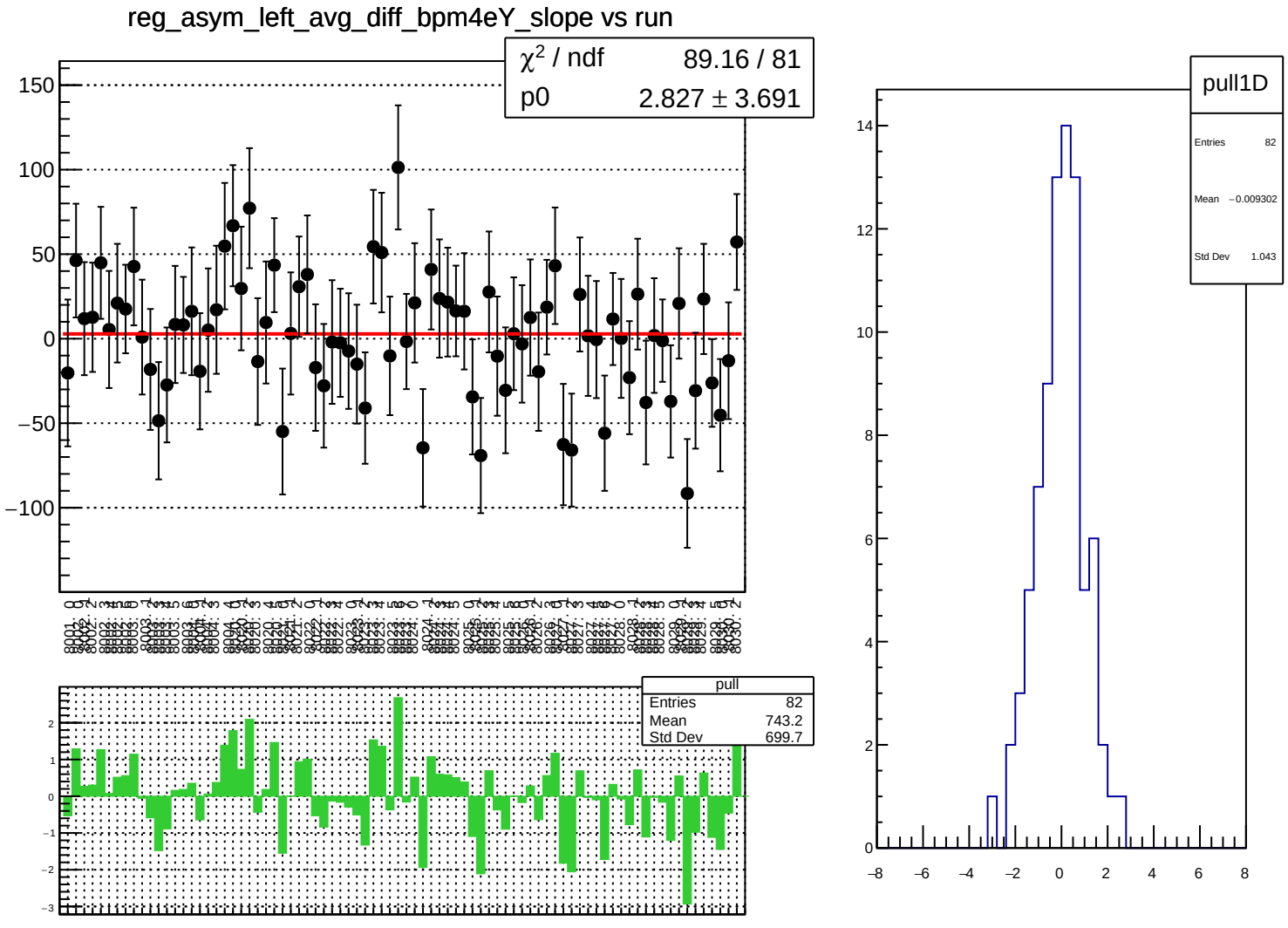

pull1D
Entries 82
Mean 0.03994
Std Dev 0.9456

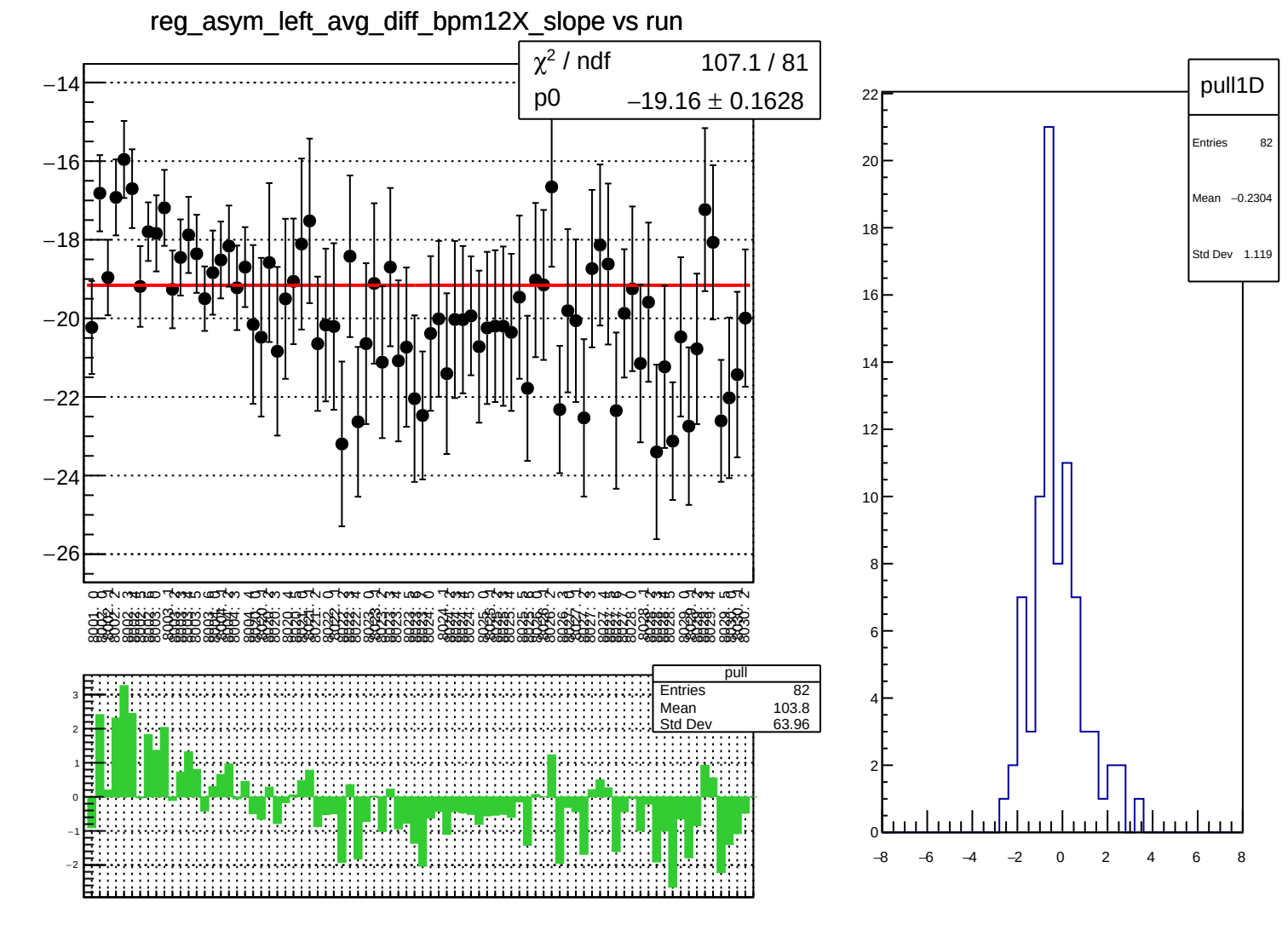

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.15 / 81
p0 6.997 ± 3.43
pull
Entries 82
Mean 544
Std Dev 501

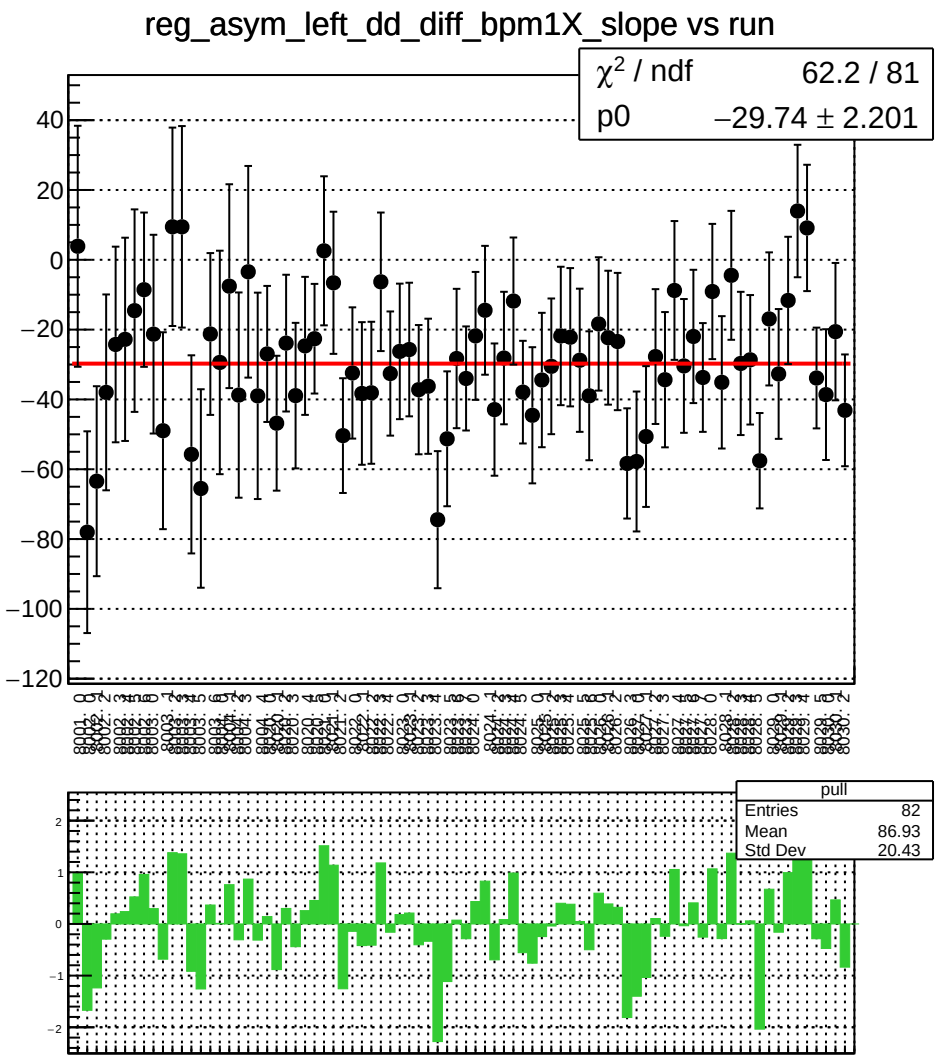

pull1D
Entries 82
Mean 0.01302
Std Dev 1.031

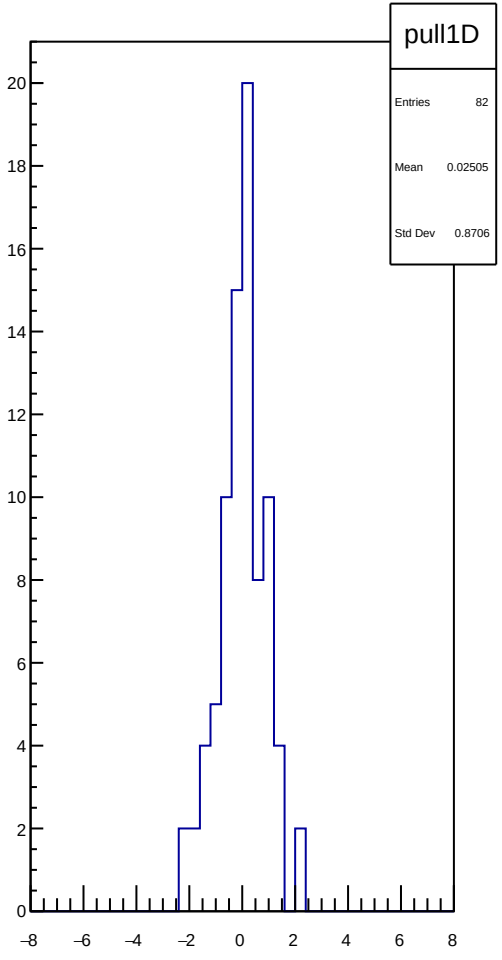

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.96 / 81
p0 −0.7516 ± 2.289
pull
Entries 82
Mean −553
Std Dev 587.4

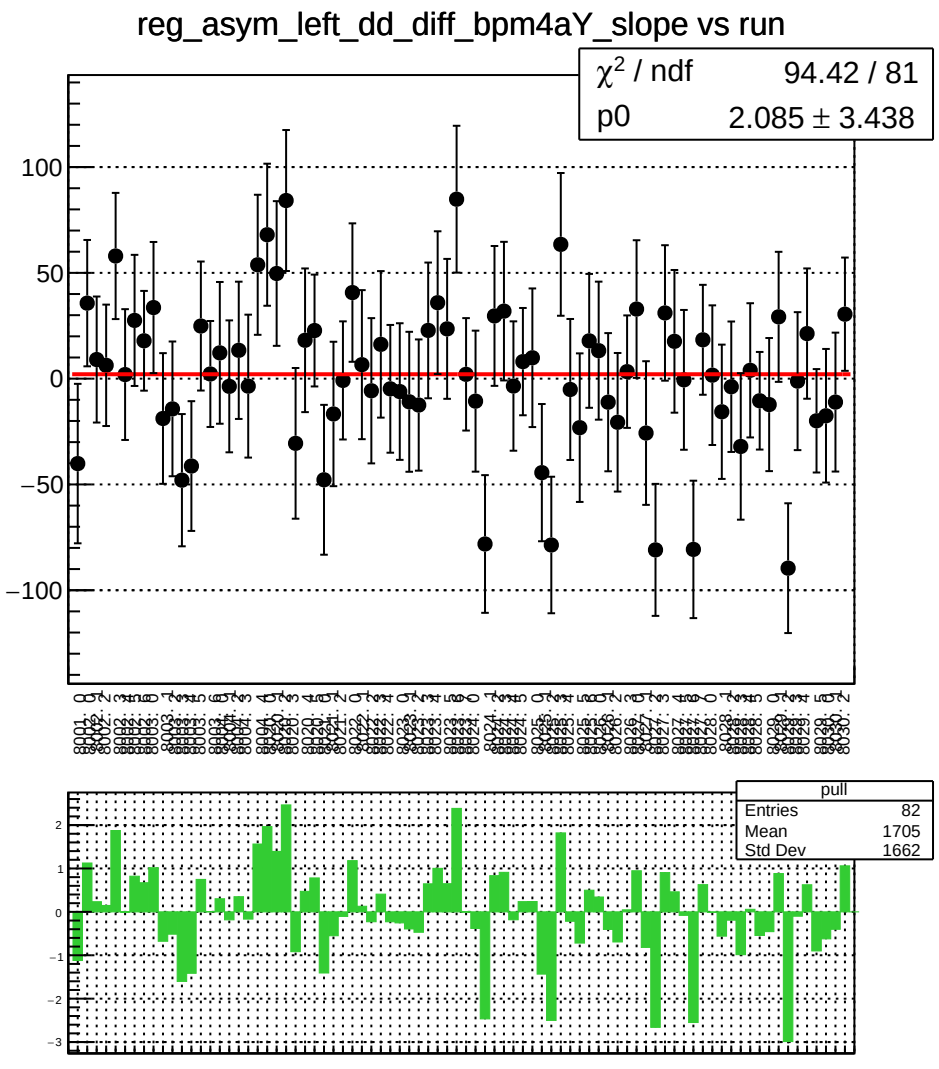

pull1D
Entries 82
Mean −0.01211
Std Dev 0.917

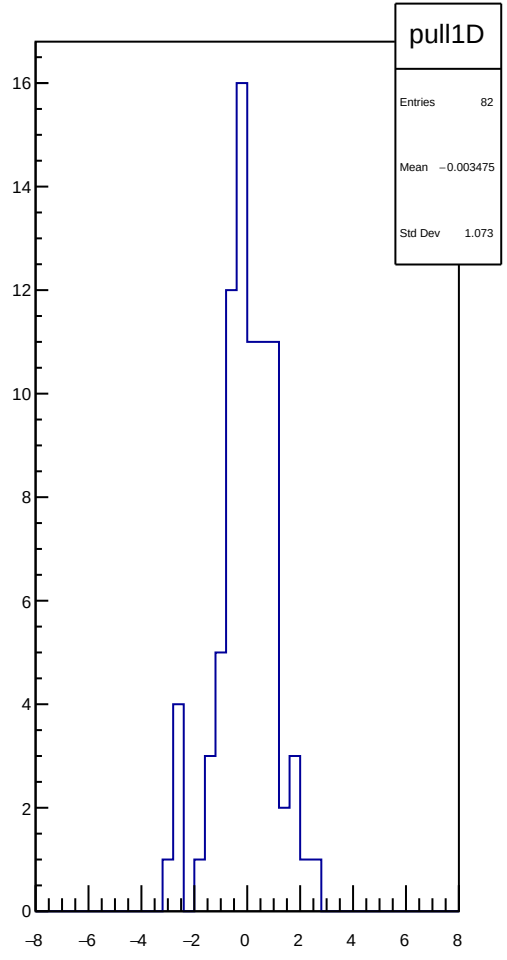

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 89.16 / 81
p0 2.827 ± 3.691
150
100
50
0
−50
−100
pull
Entries 82
Mean 743.2
Std Dev 699.7
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.009302
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

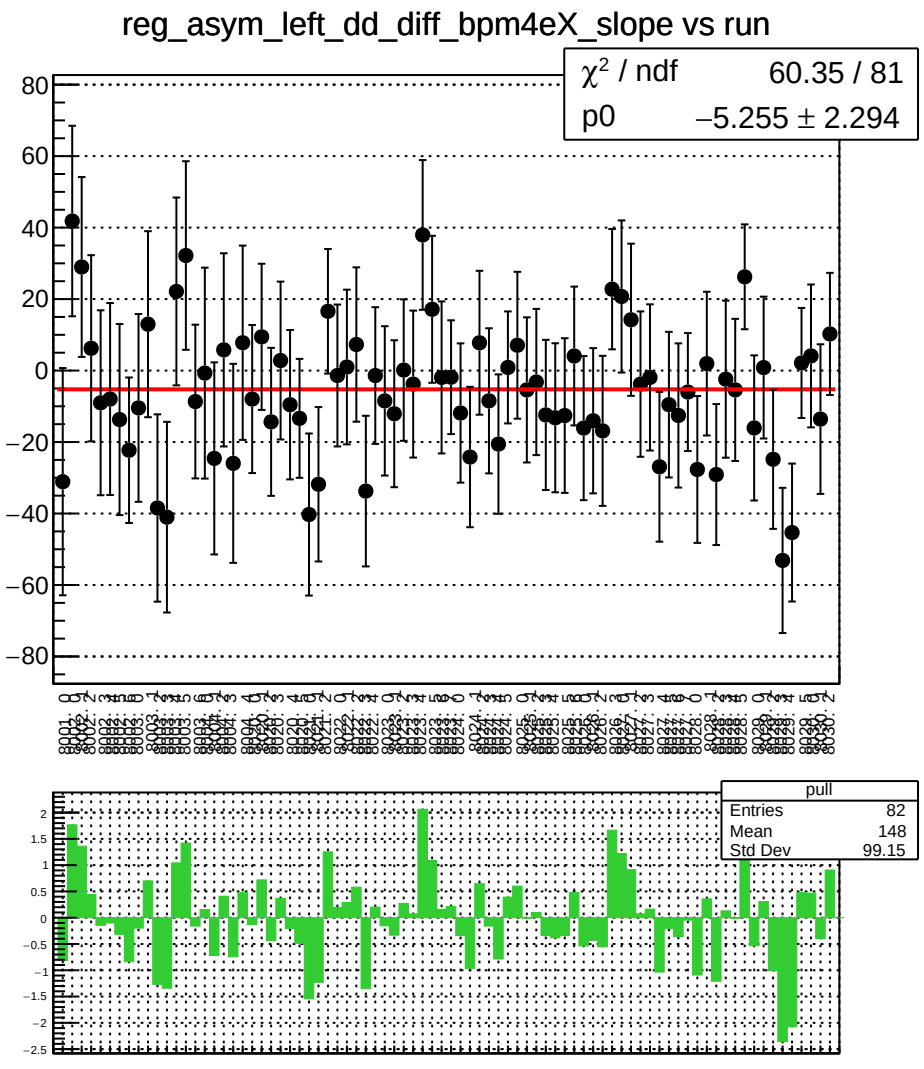

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 107.1 / 81
p0 −19.16 ± 0.1628
pull
Entries 82
Mean 103.8
Std Dev 63.96
pull1D
Entries 82
Mean −0.2304
Std Dev 1.119

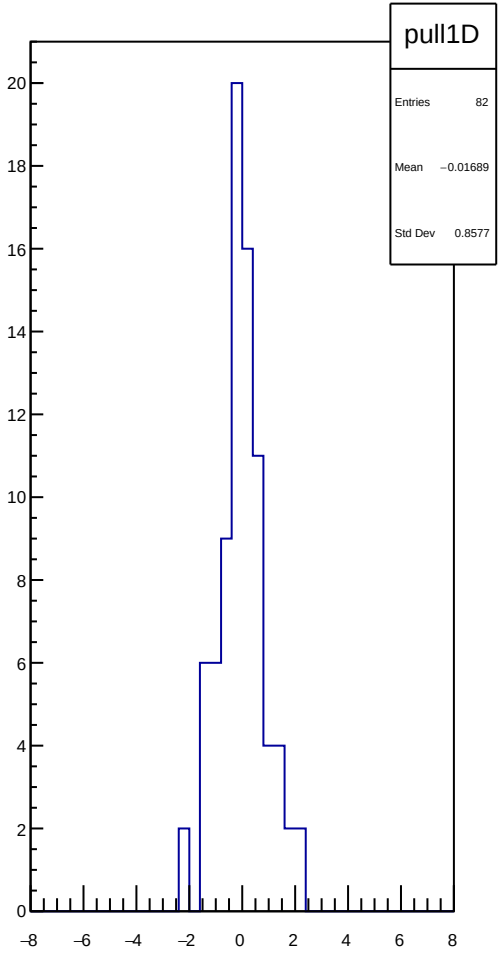

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 62.2 / 81
p0 −29.74 ± 2.201
pull
Entries 82
Mean 86.93
Std Dev 20.43

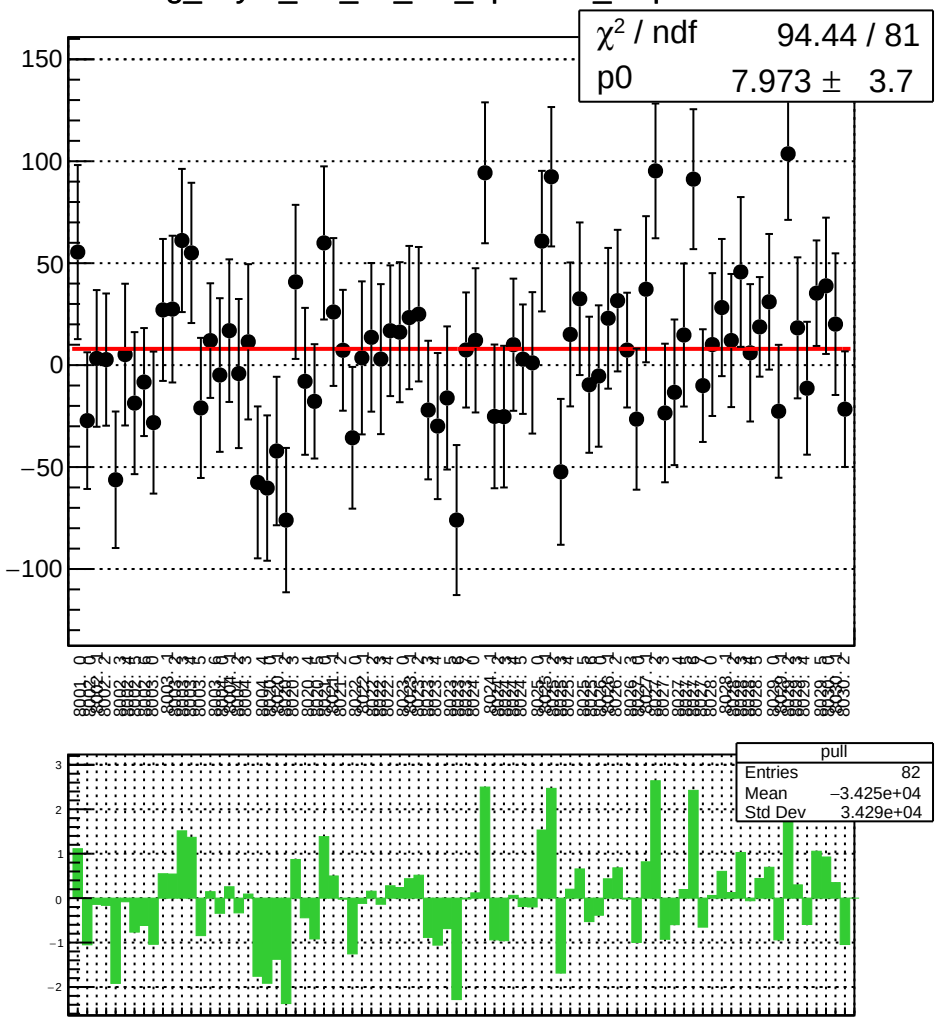

pull1D
Entries 82
Mean 0.02505
Std Dev 0.8706

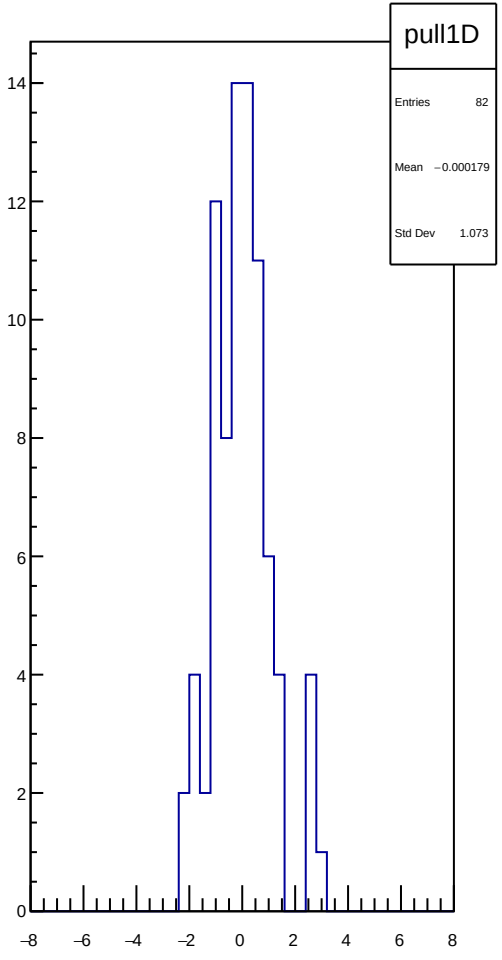

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 94.42 / 81
p0 2.085 ± 3.438
100
50
0
−50
−100
pull
Entries 82
Mean 1705
Std Dev 1662
2
1
0
−1
−2
−3

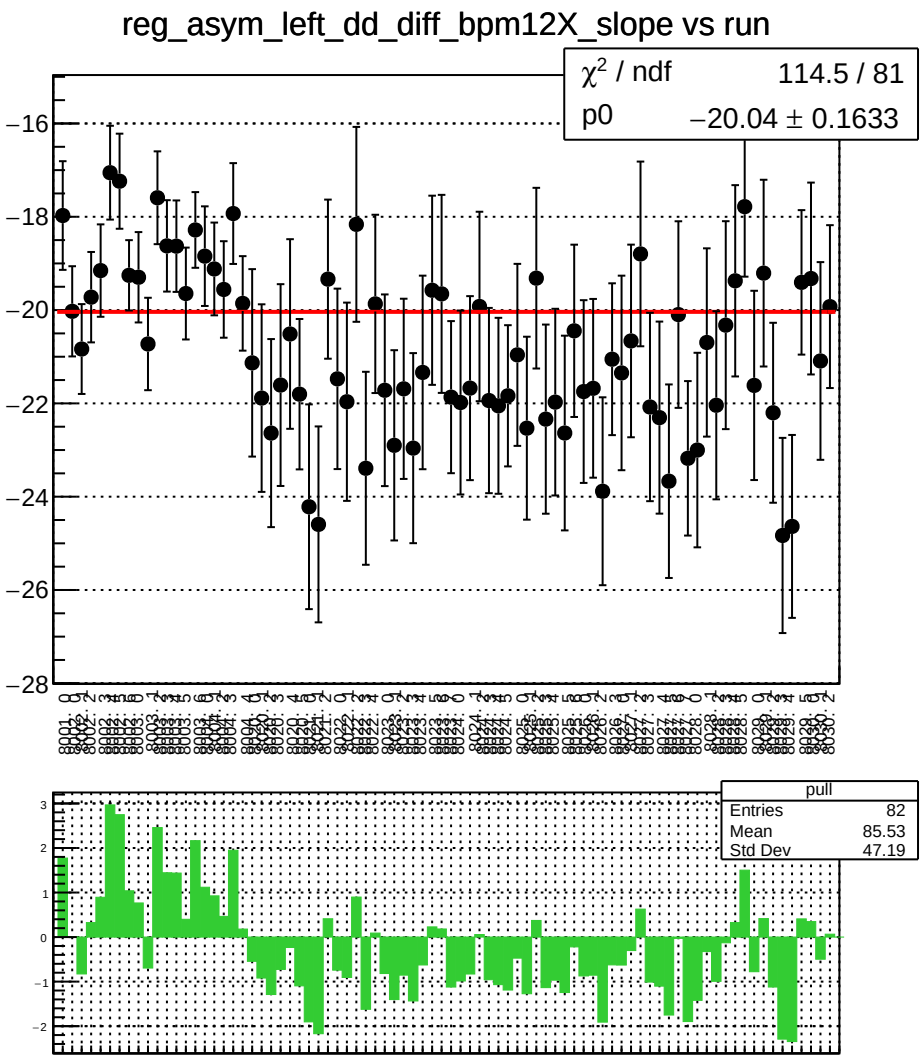

pull1D
Entries 82
Mean −0.003475
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

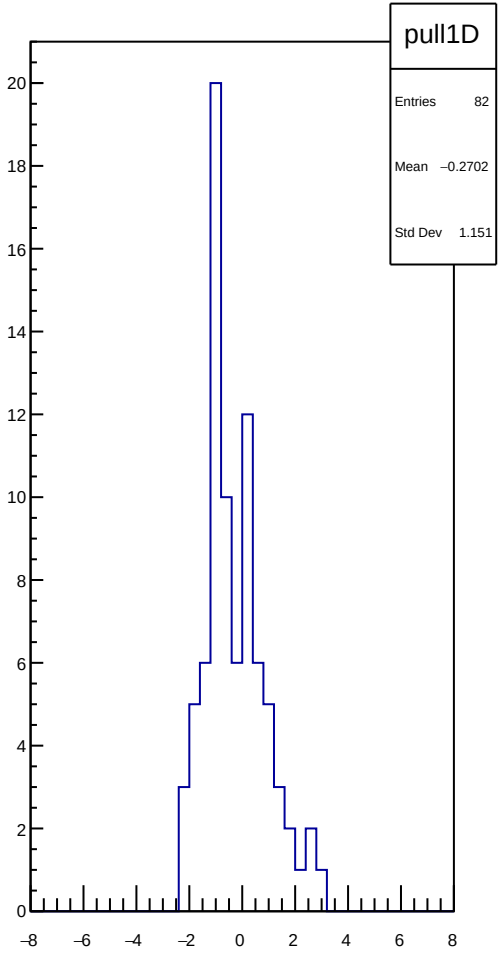

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.35 / 81
p0 −5.255 ± 2.294
pull
Entries 82
Mean 148
Std Dev 99.15

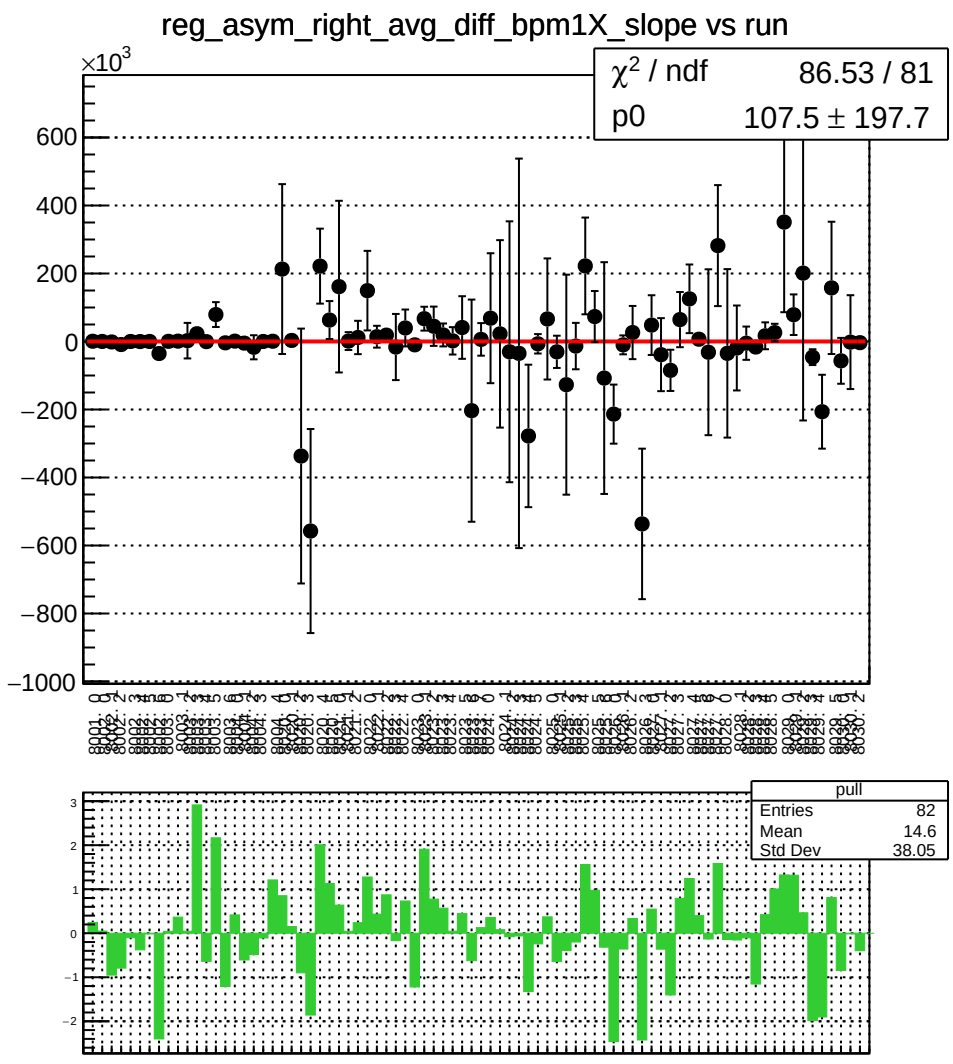

pull1D
Entries 82
Mean −0.01689
Std Dev 0.8577

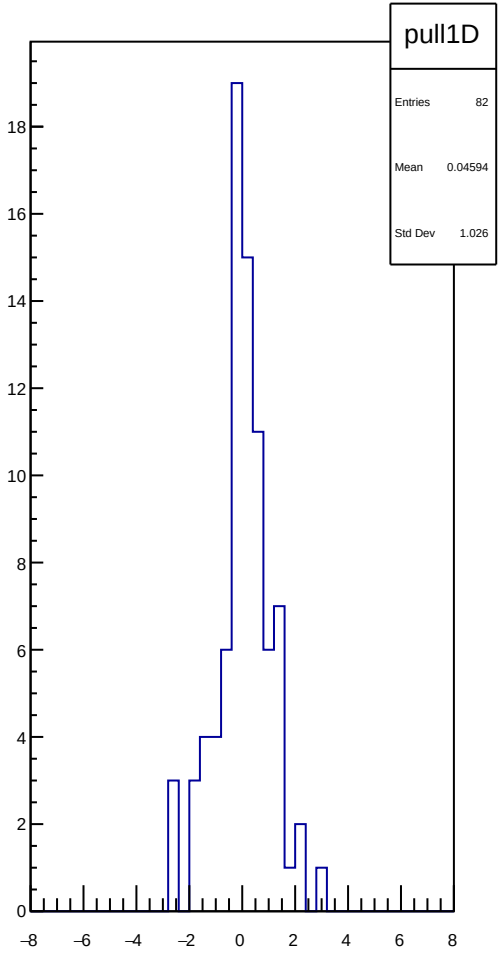

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 94.44 / 81
p0 7.973 ± 3.7
150
100
50
0
−50
−100
pull
Entries 82
Mean −3.425e+04
Std Dev 3.429e+04
3
2
1
0
−1
−2

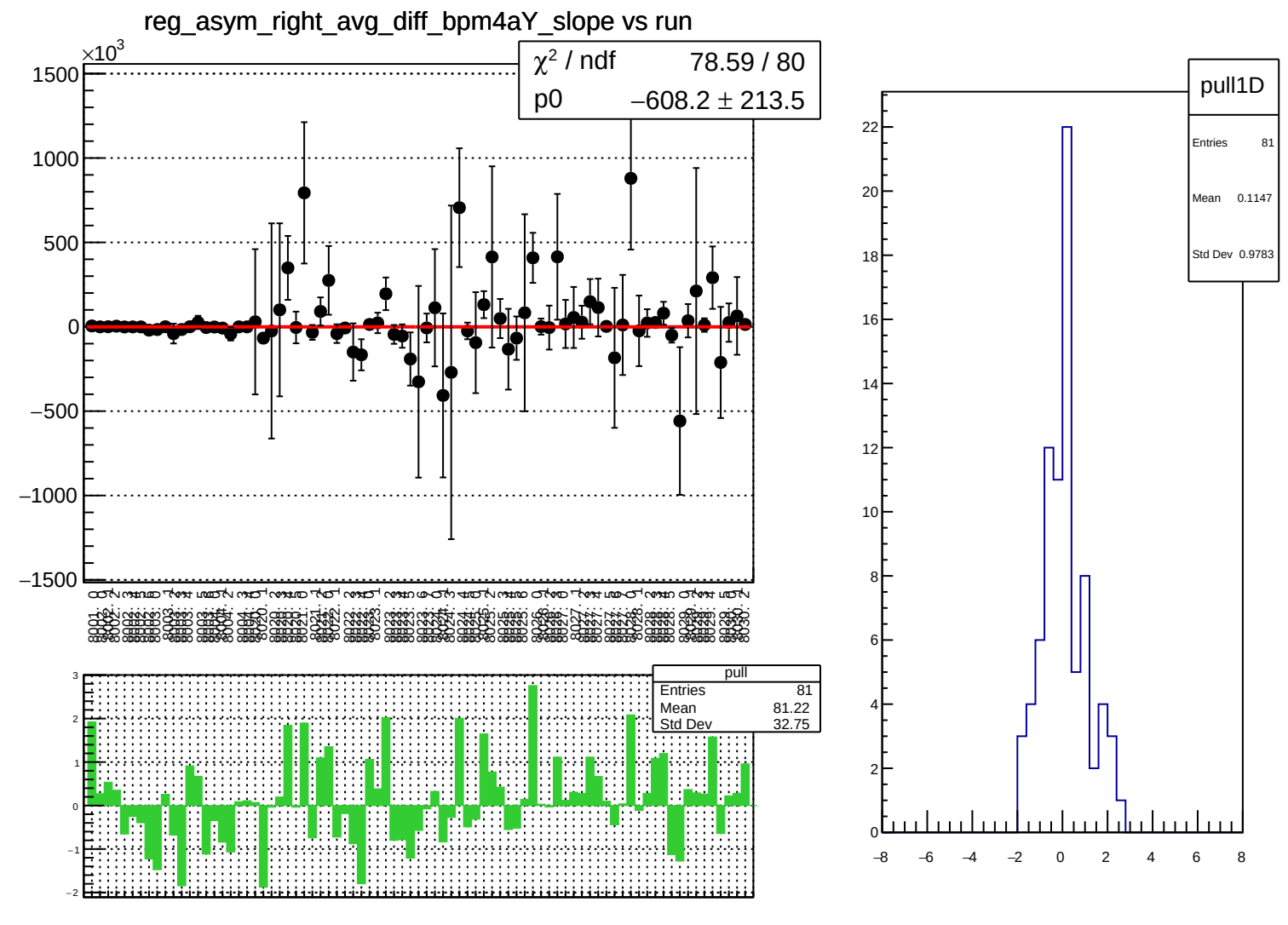

pull1D
Entries 82
Mean −0.000179
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

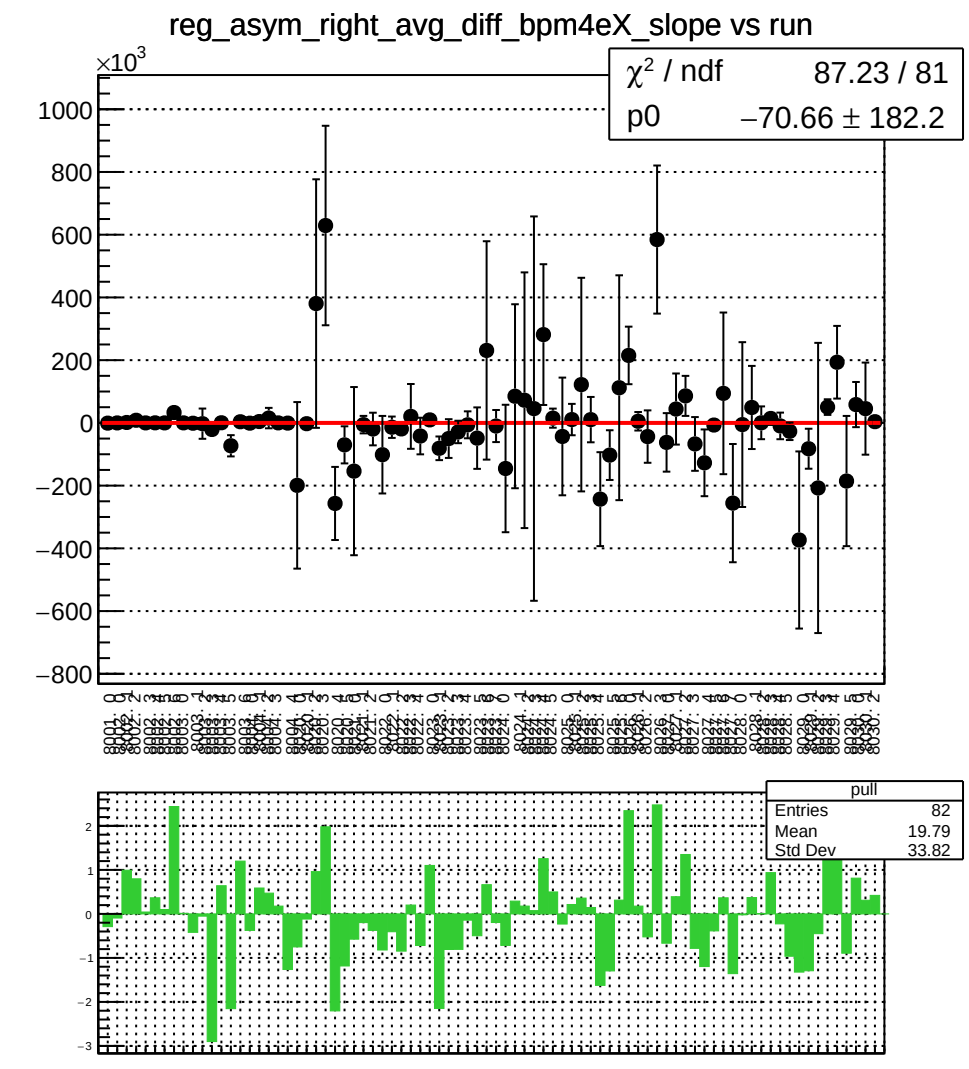

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 114.5 / 81
p0 −20.04 ± 0.1633
pull
Entries 82
Mean 85.53
Std Dev 47.19

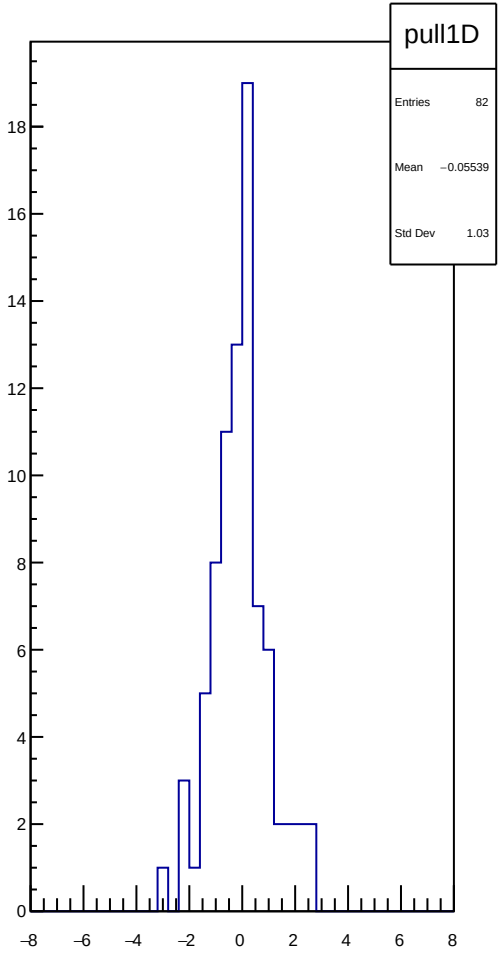

pull1D
Entries 82
Mean −0.2702
Std Dev 1.151

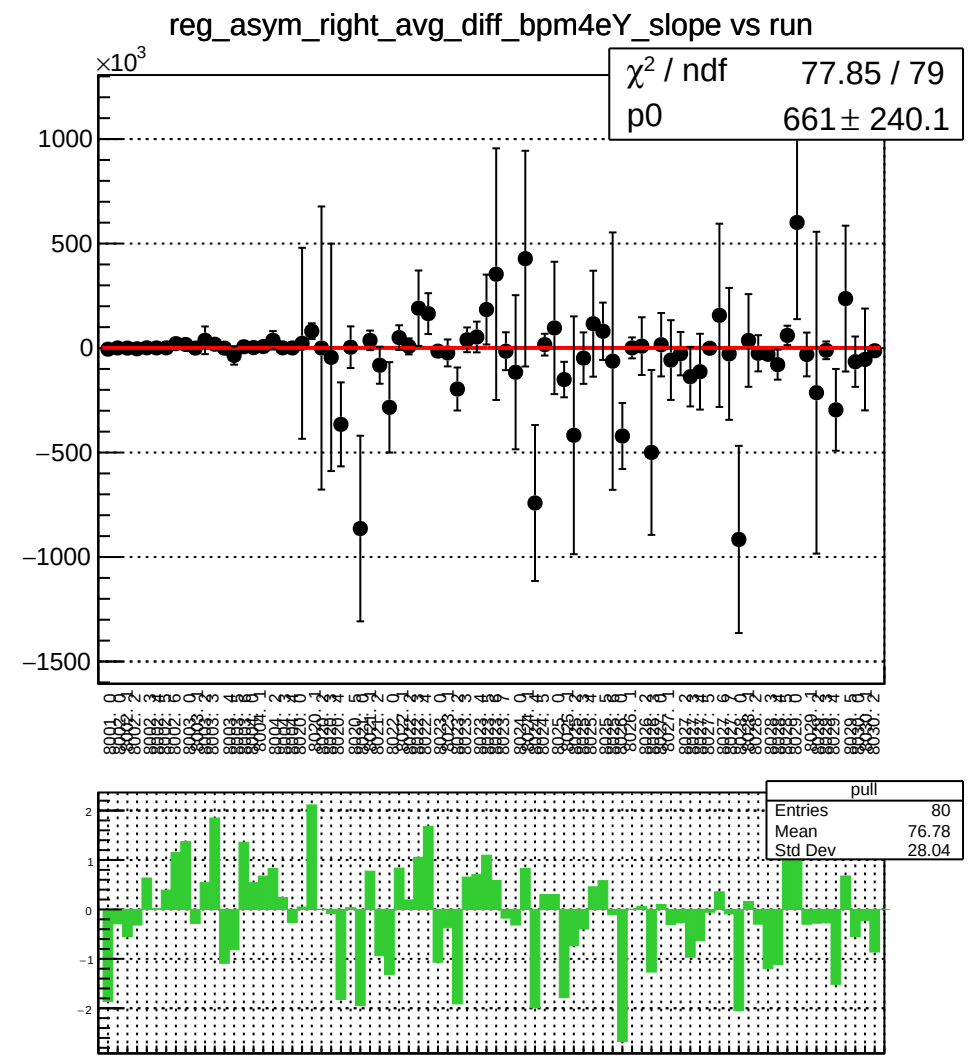

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 86.53 / 81
p0 107.5 ± 197.7
pull
Entries 82
Mean 14.6
Std Dev 38.05

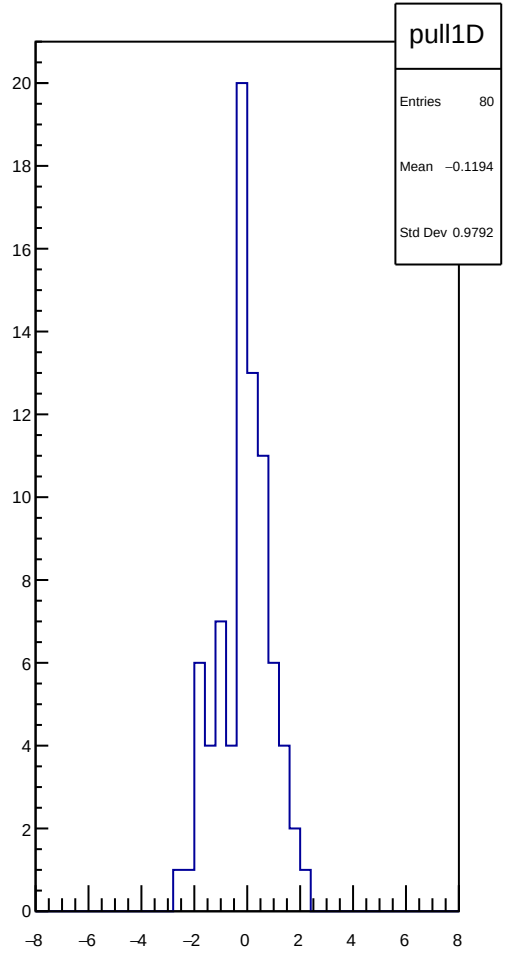

pull1D
Entries 82
Mean 0.04594
Std Dev 1.026

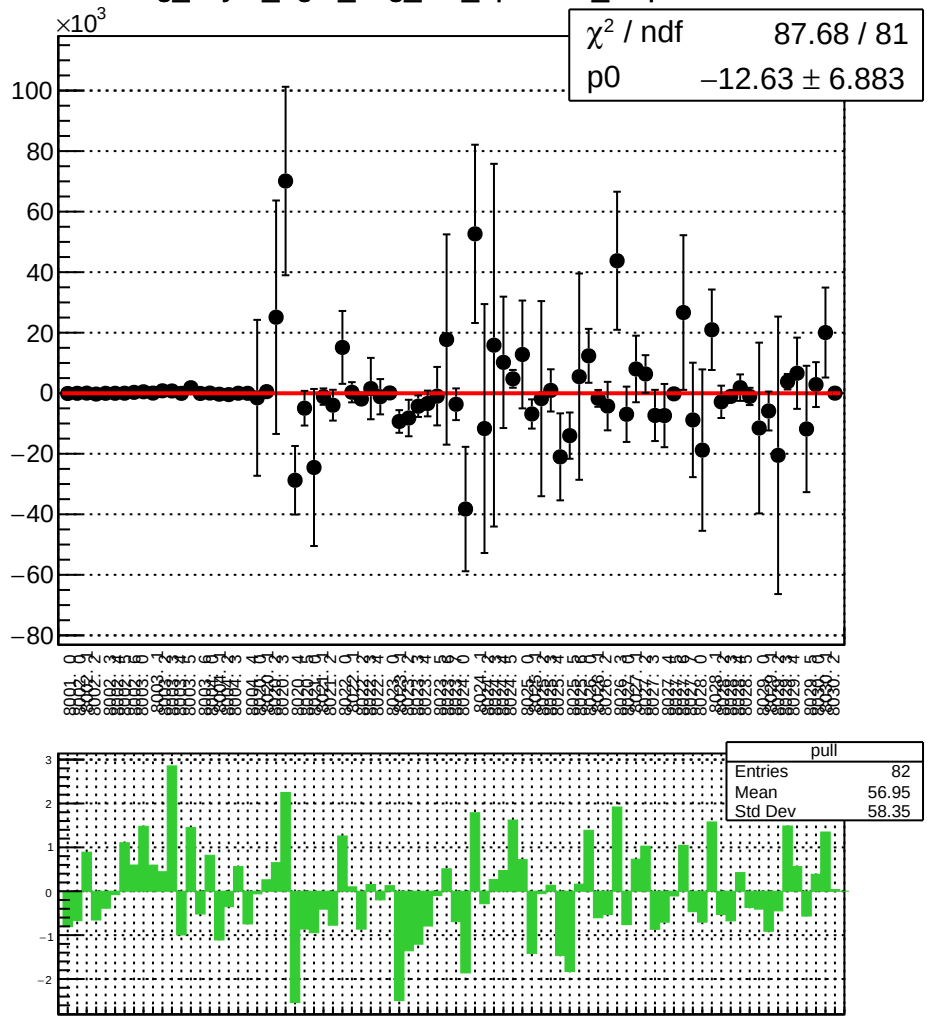

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 78.59 / 80
p0 −608.2 ± 213.5
pull
Entries 81
Mean 81.22
Std Dev 32.75
pull1D
Entries 81
Mean 0.1147
Std Dev 0.9783

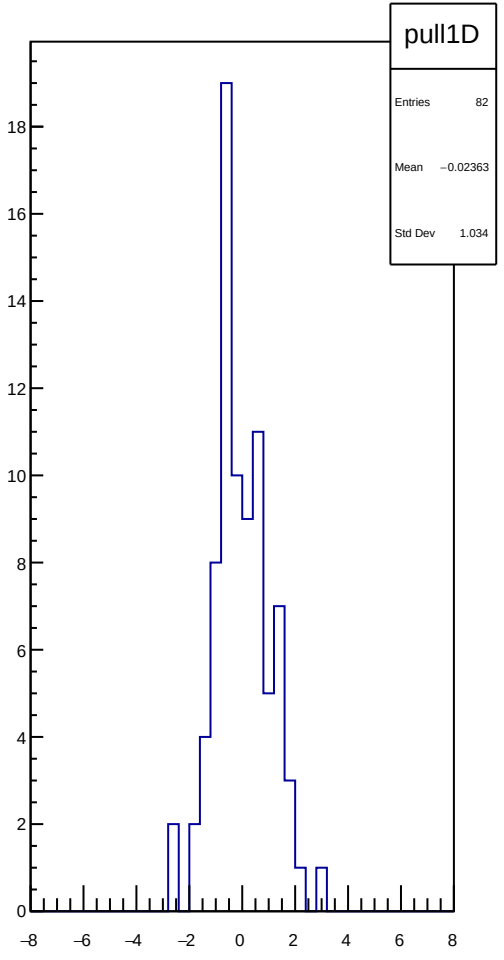

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 87.23 / 81
p0 −70.66 ± 182.2
pull
Entries 82
Mean 19.79
Std Dev 33.82

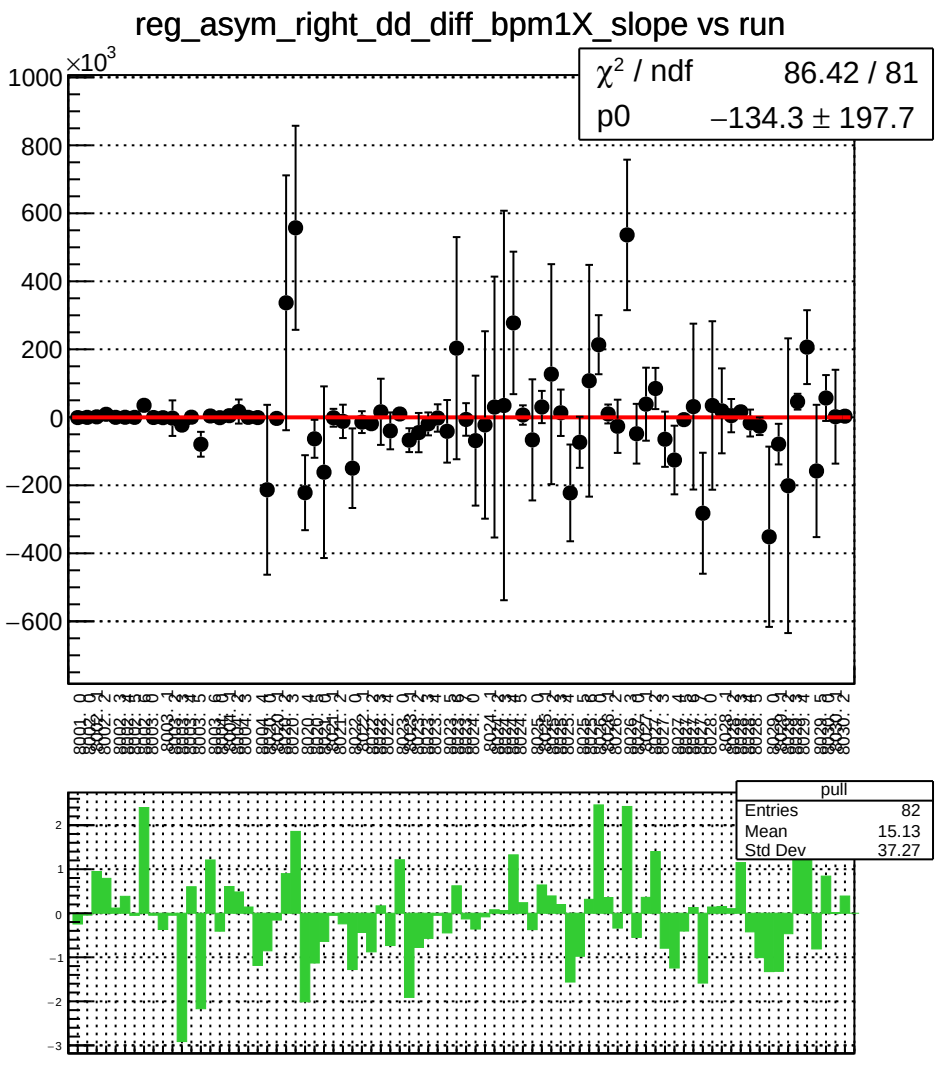

pull1D
Entries 82
Mean −0.05539
Std Dev 1.03

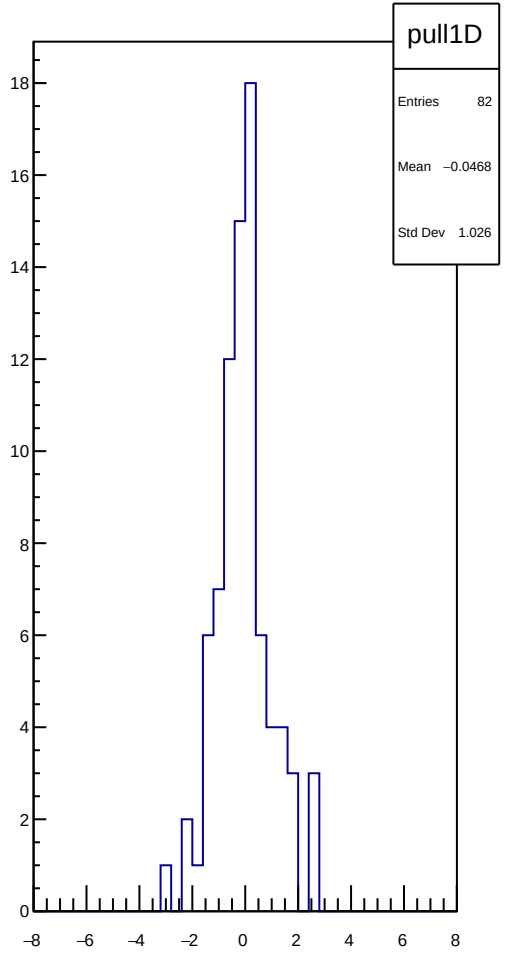

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 77.85 / 79
p0 661 ± 240.1
1000
500
0
−500
−1000
−1500
pull
Entries 80
Mean 76.78
Std Dev 28.04
2
1
0
−1

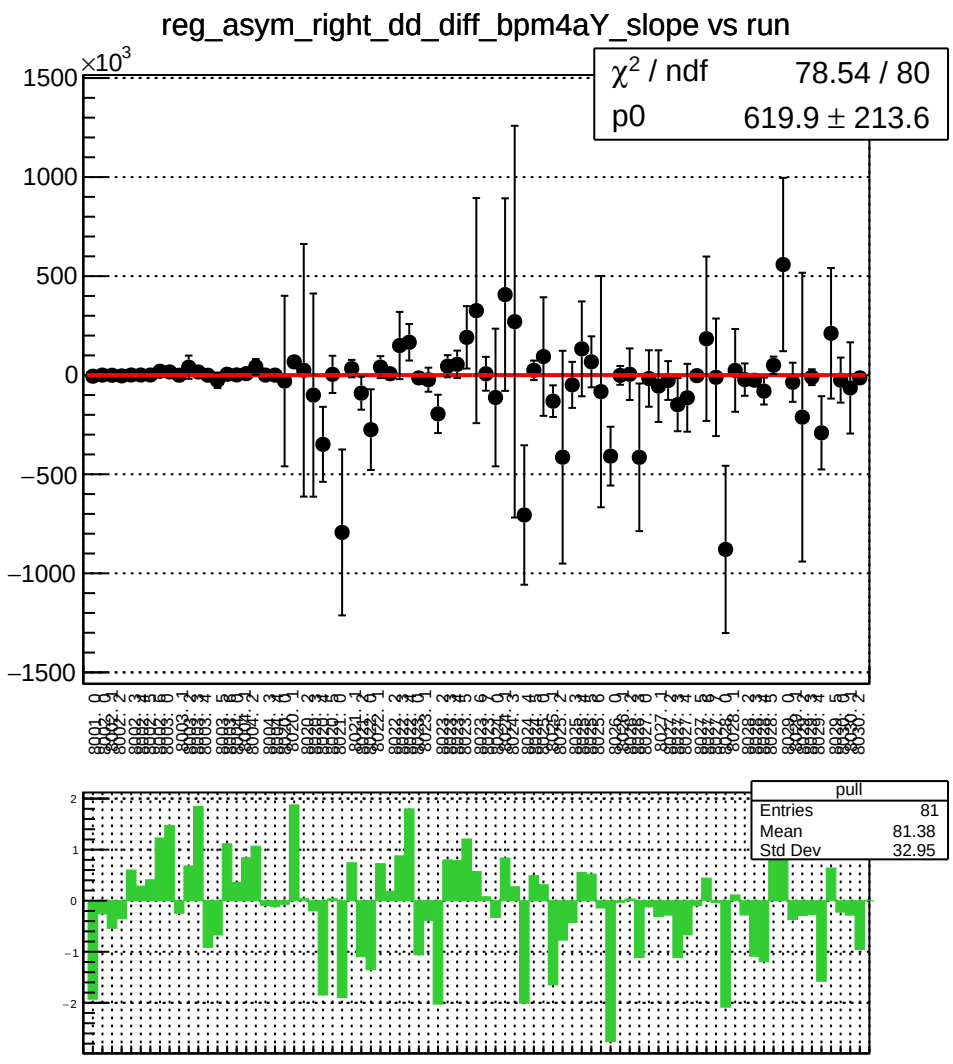

pull1D
Entries 80
Mean −0.1194
Std Dev 0.9792
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

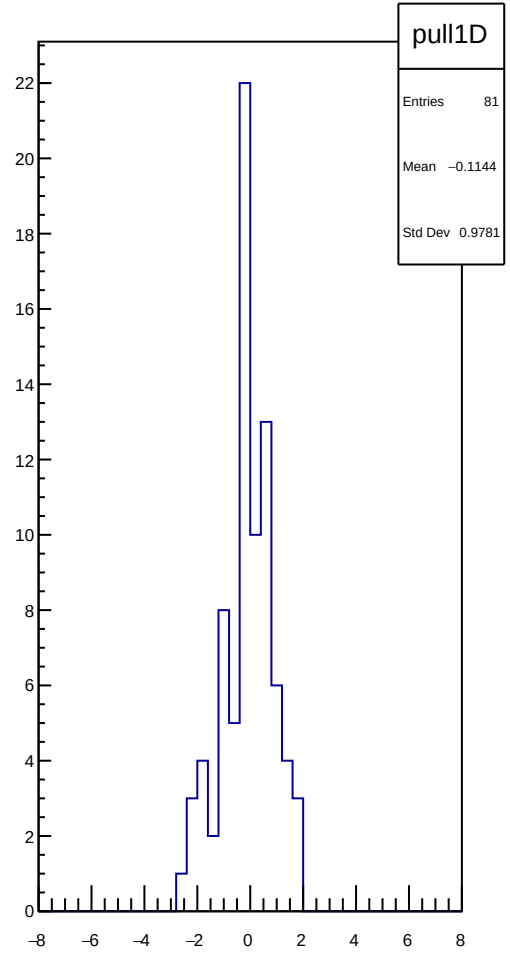

reg_asym_right_avg_diff_bpm12X_slope vs run
×10^3
χ² / ndf 87.68 / 81
p0 −12.63 ± 6.883
pull
Entries 82
Mean 56.95
Std Dev 58.35

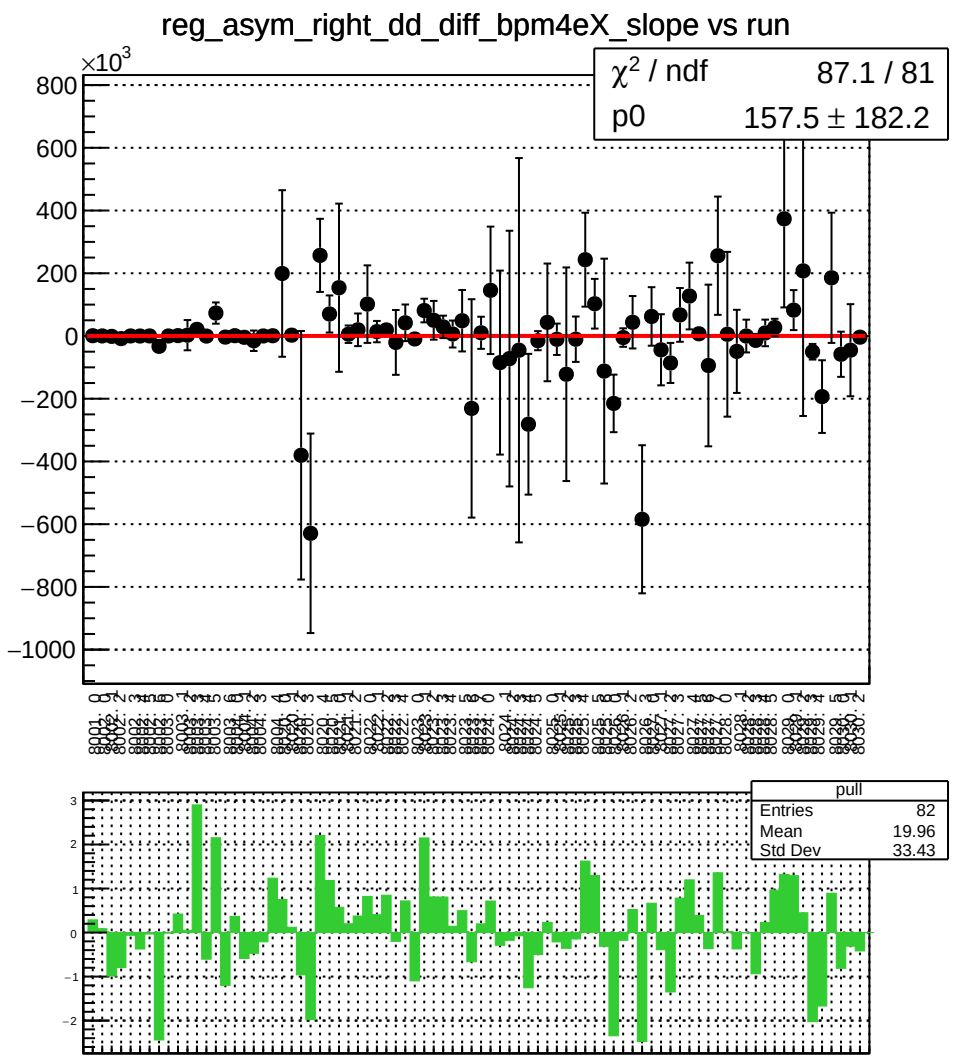

pull1D
Entries 82
Mean −0.02363
Std Dev 1.034

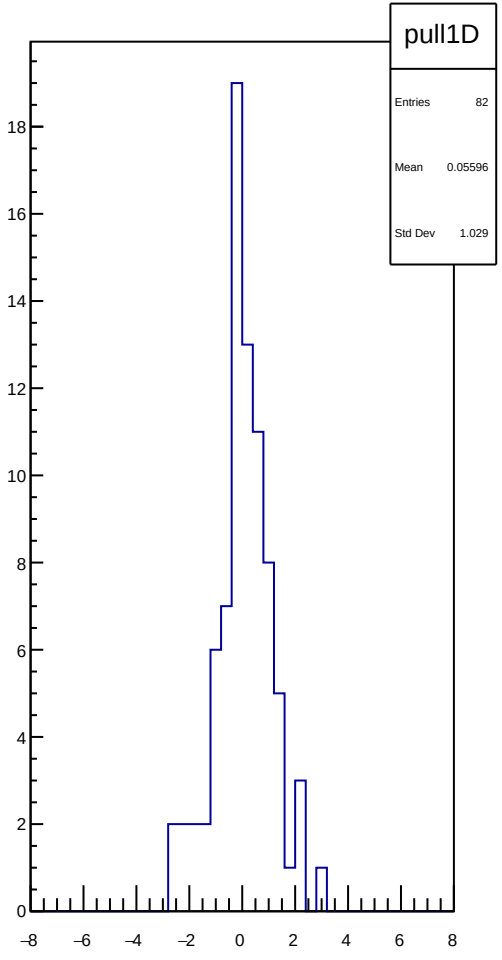

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 86.42 / 81
p0 −134.3 ± 197.7
pull
Entries 82
Mean 15.13
Std Dev 37.27

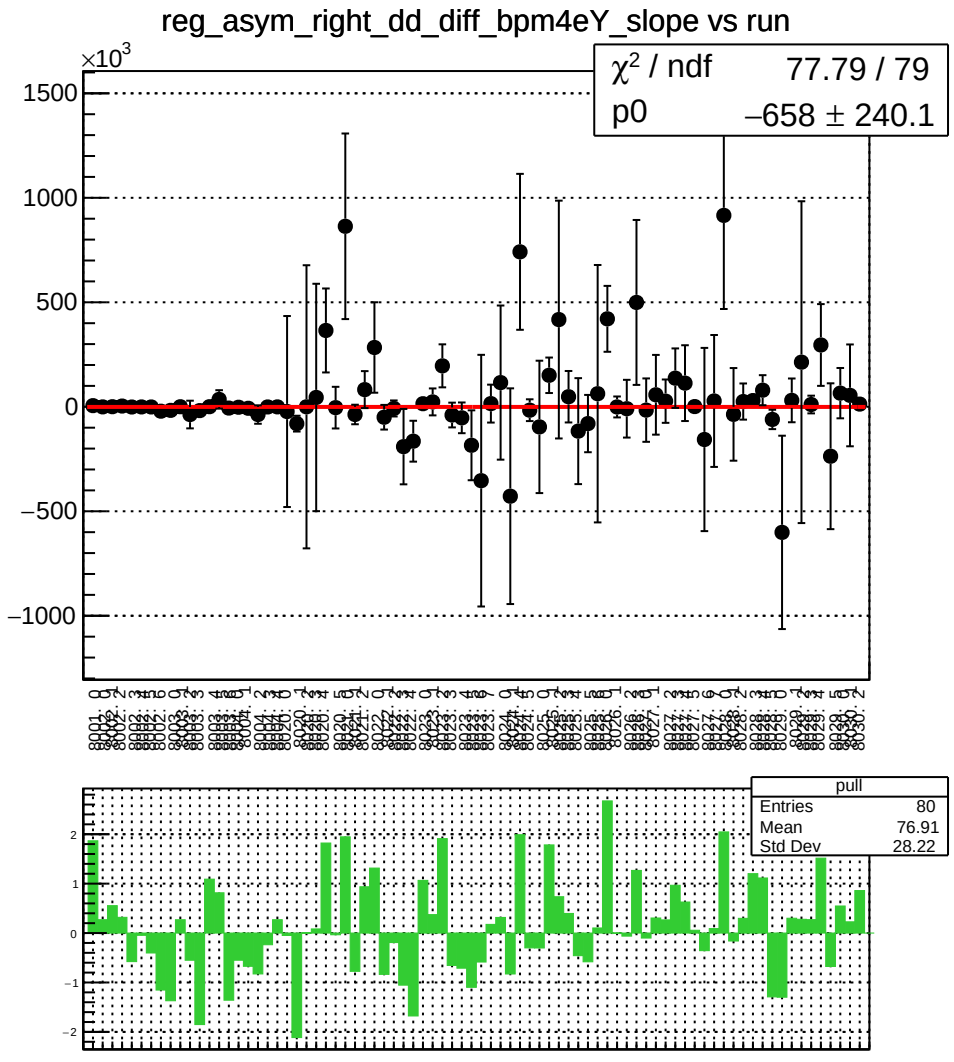

pull1D
Entries 82
Mean −0.0468
Std Dev 1.026

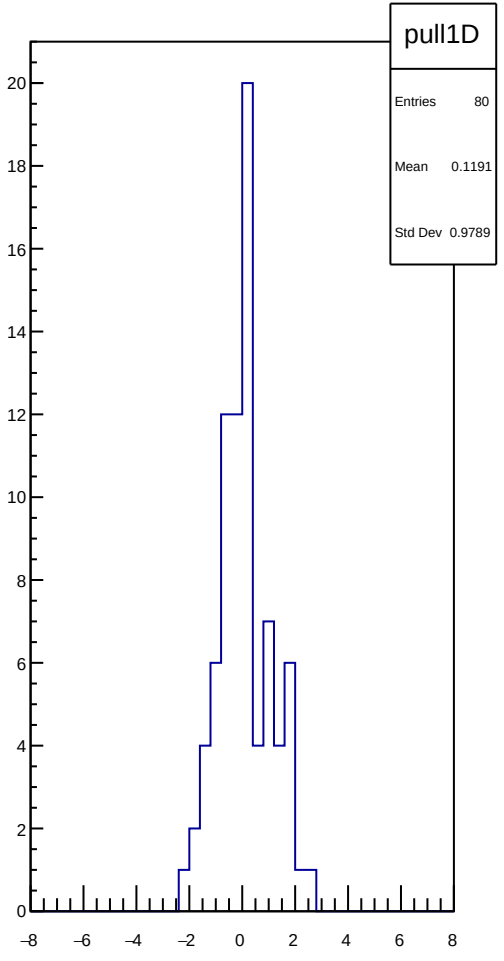

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.54 / 80
p0 619.9 ± 213.6
×10³
1500
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean 81.38
Std Dev 32.95
2
1
0
−1
−2

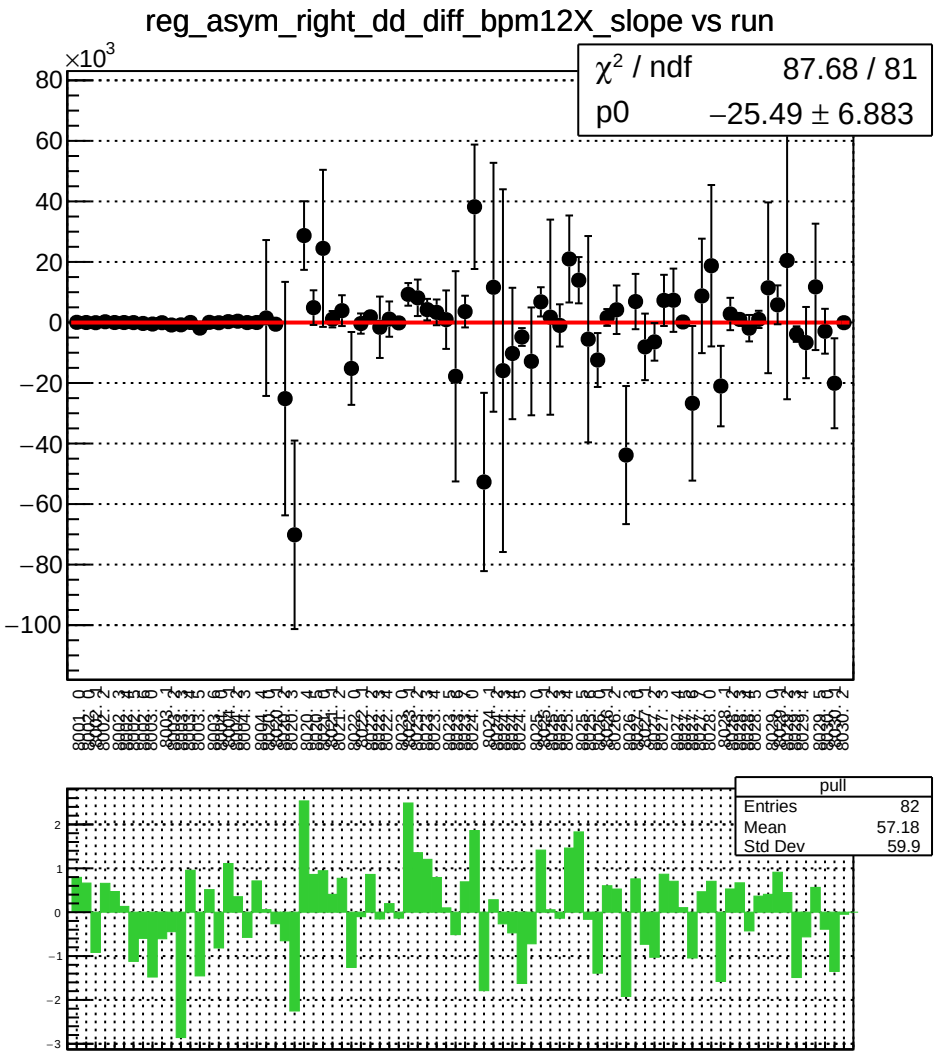

pull1D
Entries 81
Mean −0.1144
Std Dev 0.9781
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

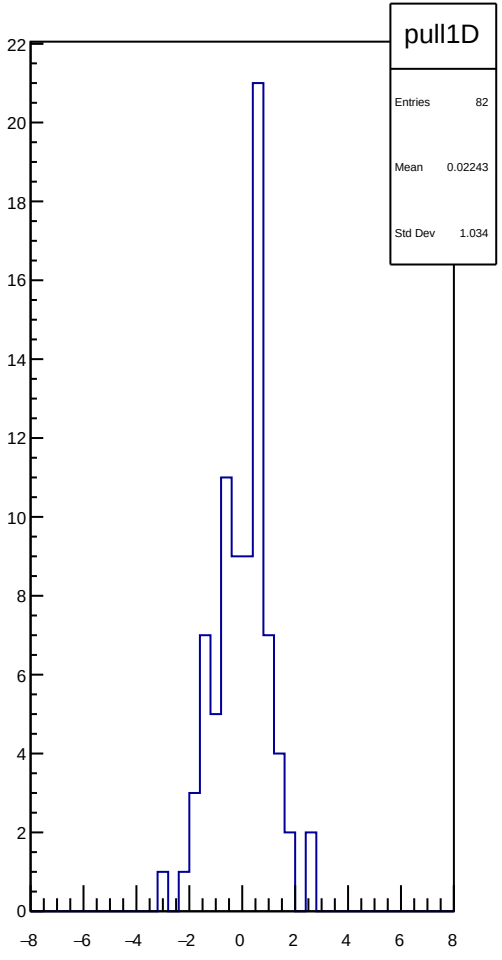

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
800
600
400
200
0
−200
−400
−600
−800
−1000
χ² / ndf 87.1 / 81
p0 157.5 ± 182.2
pull
Entries 82
Mean 19.96
Std Dev 33.43
3
2
1
0
−1
−2

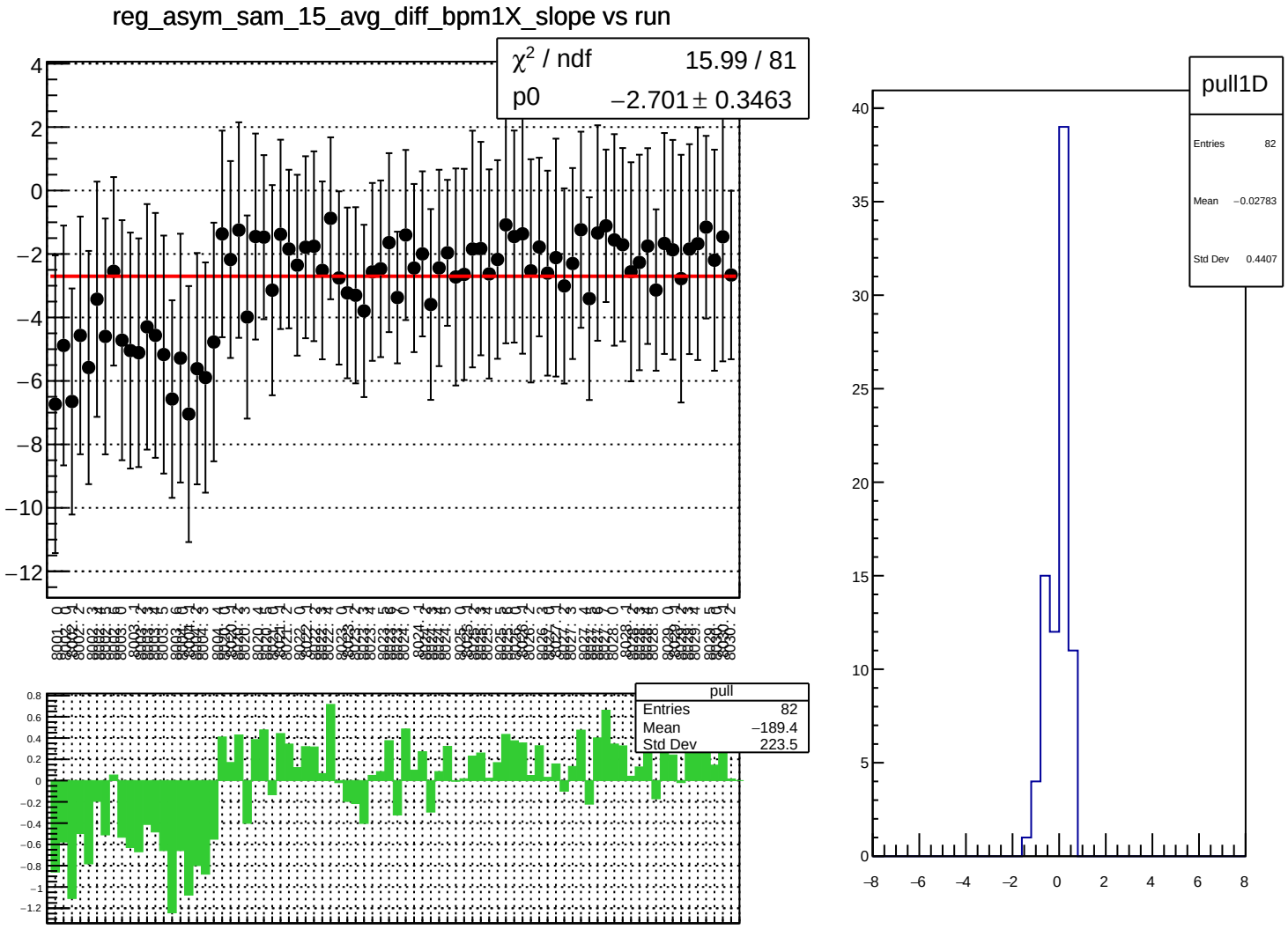

pull1D
Entries 82
Mean 0.05596
Std Dev 1.029
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

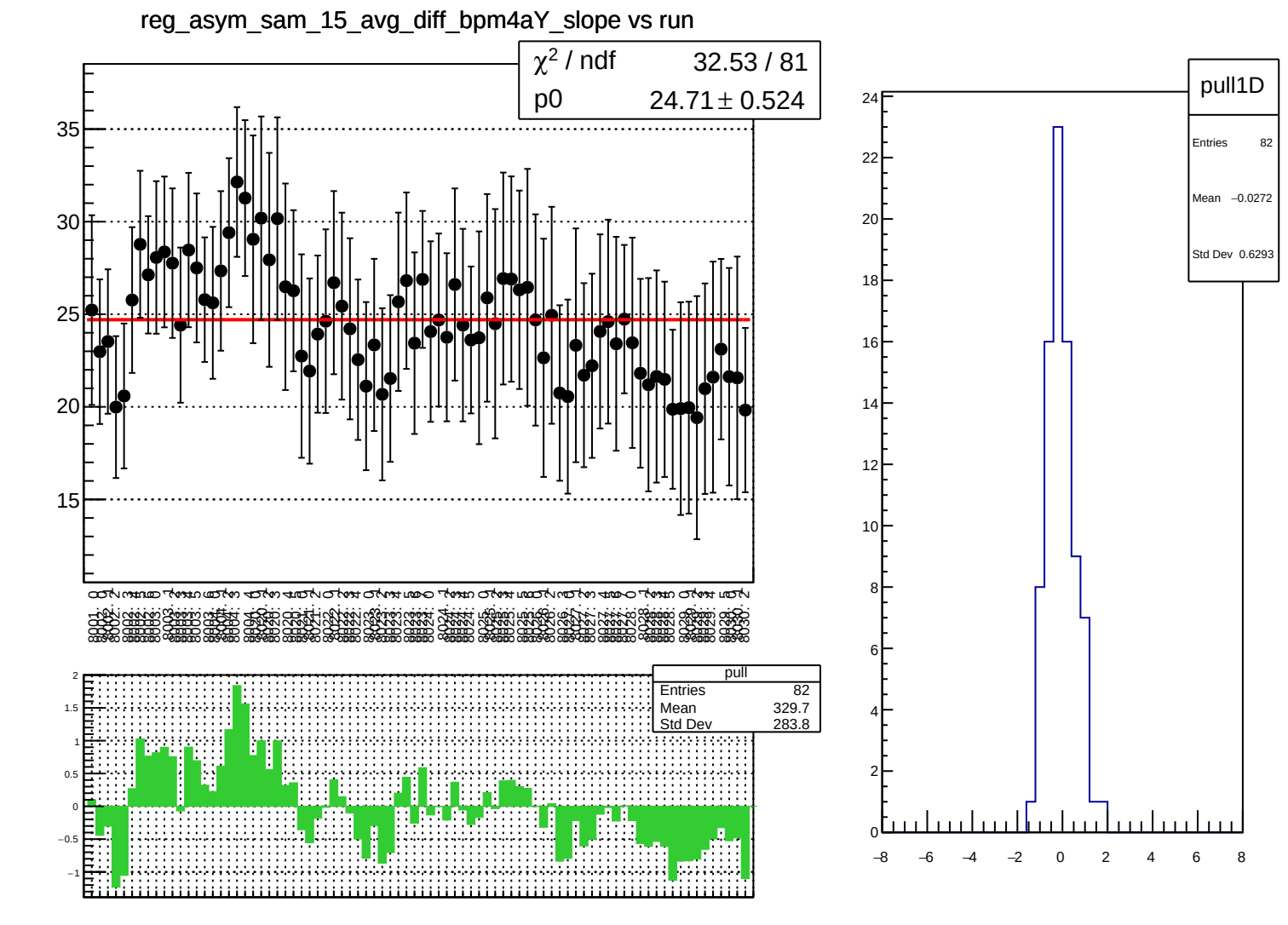

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 77.79 / 79
p0 −658 ± 240.1
1500
1000
500
0
−500
−1000
pull
Entries 80
Mean 76.91
Std Dev 28.22
2
1
0
−1
−2

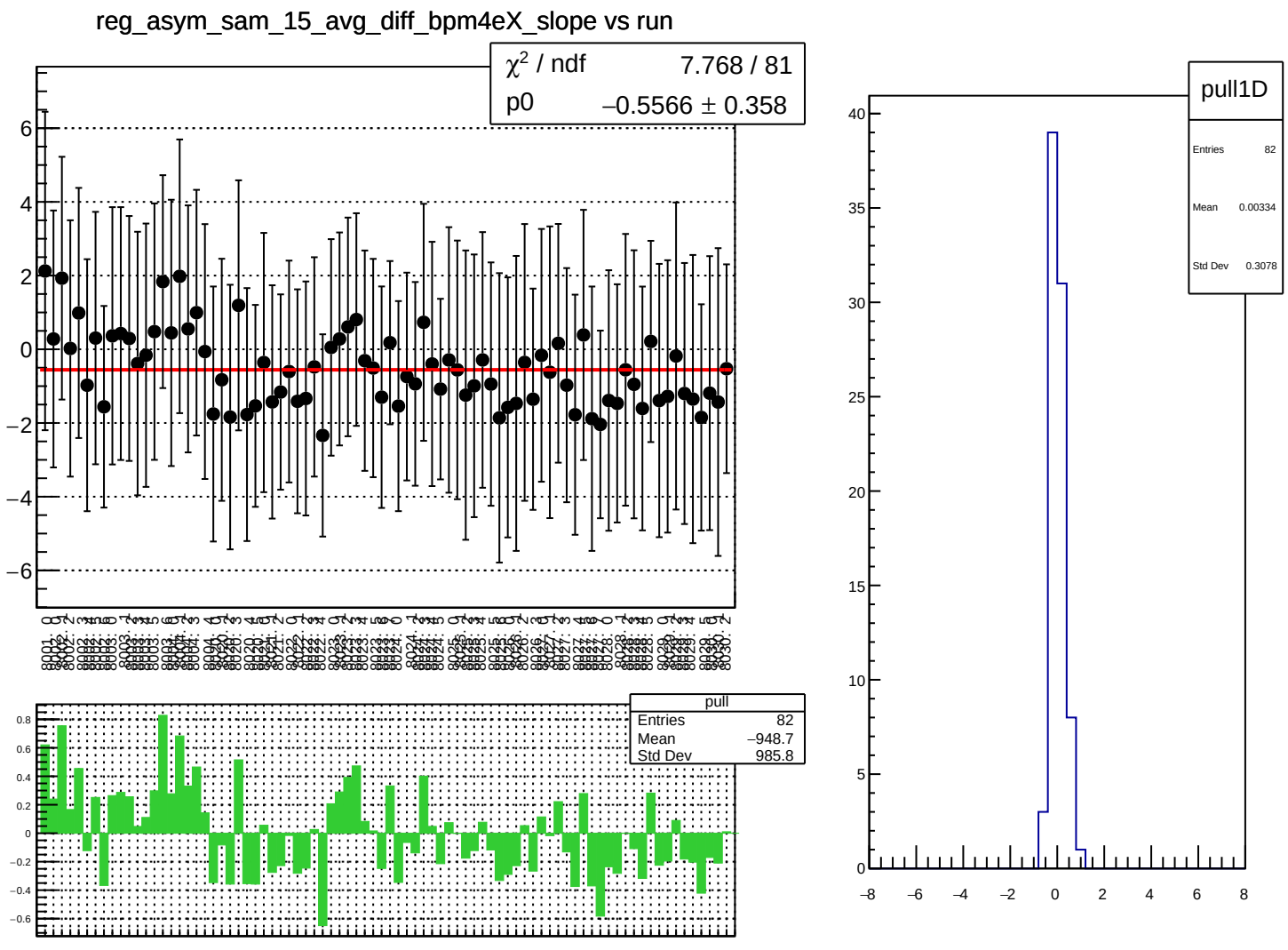

pull1D
Entries 80
Mean 0.1191
Std Dev 0.9789
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

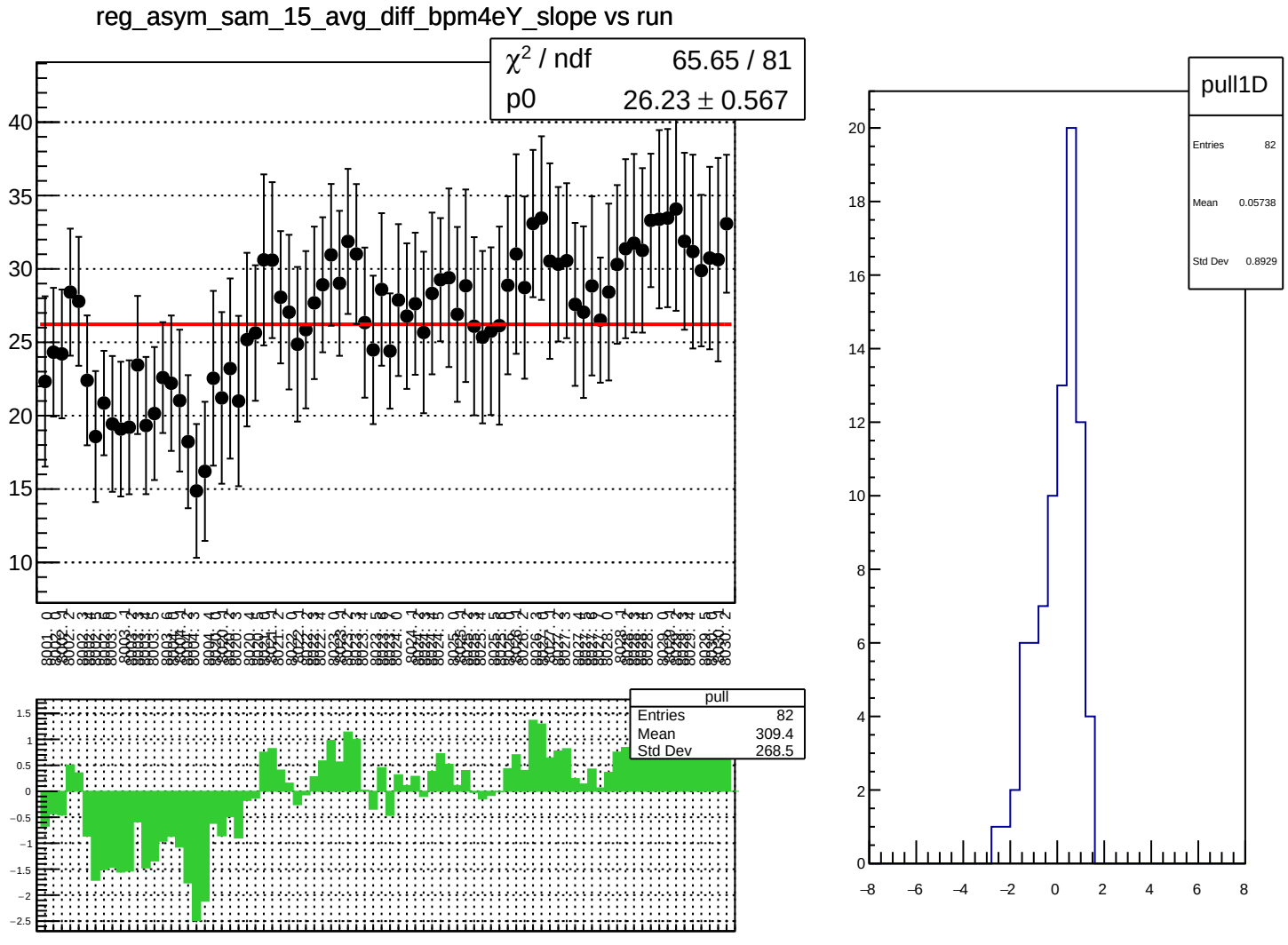

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 87.68 / 81
p0 −25.49 ± 6.883
pull
Entries 82
Mean 57.18
Std Dev 59.9

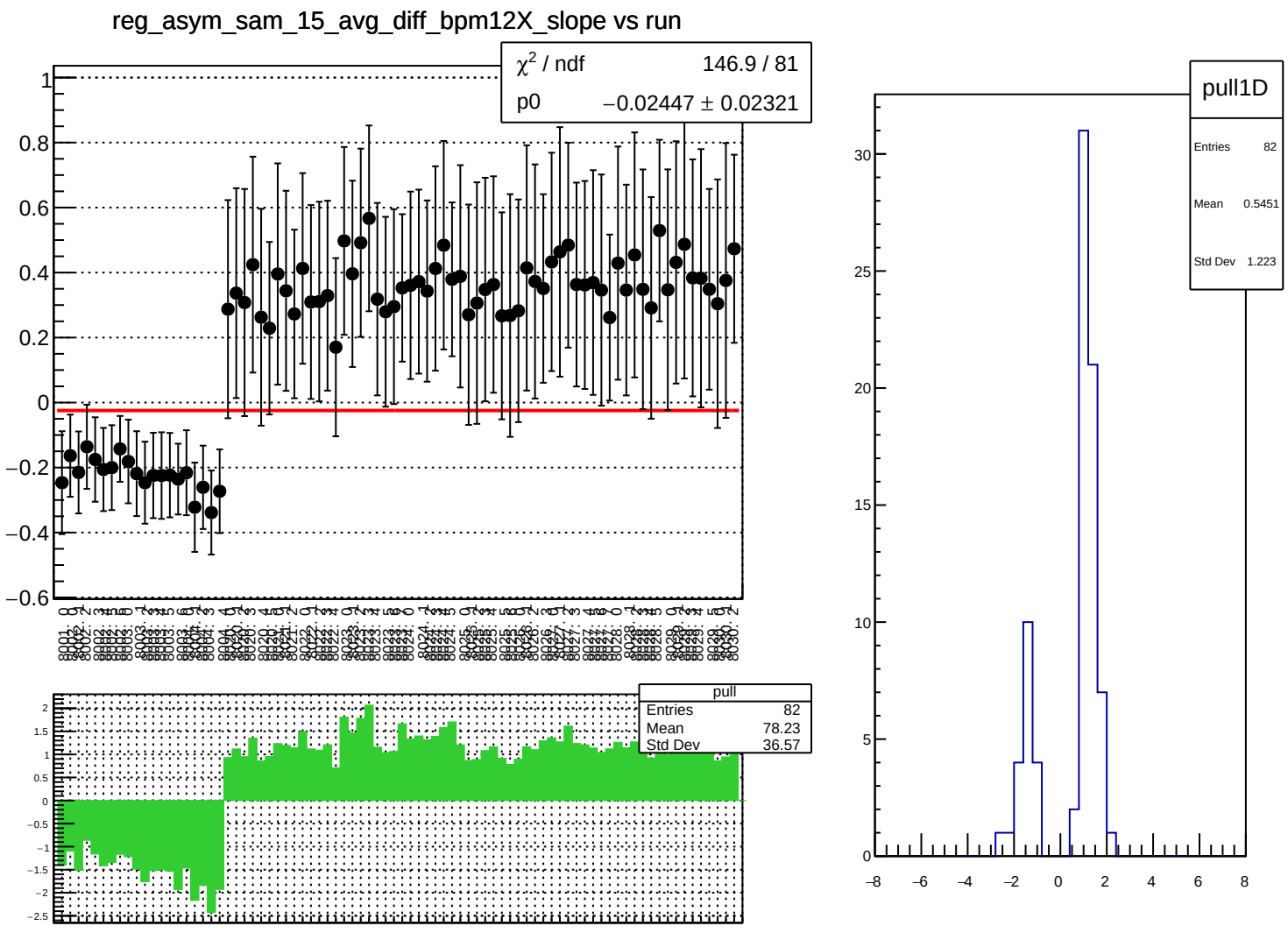

pull1D
Entries 82
Mean 0.02243
Std Dev 1.034

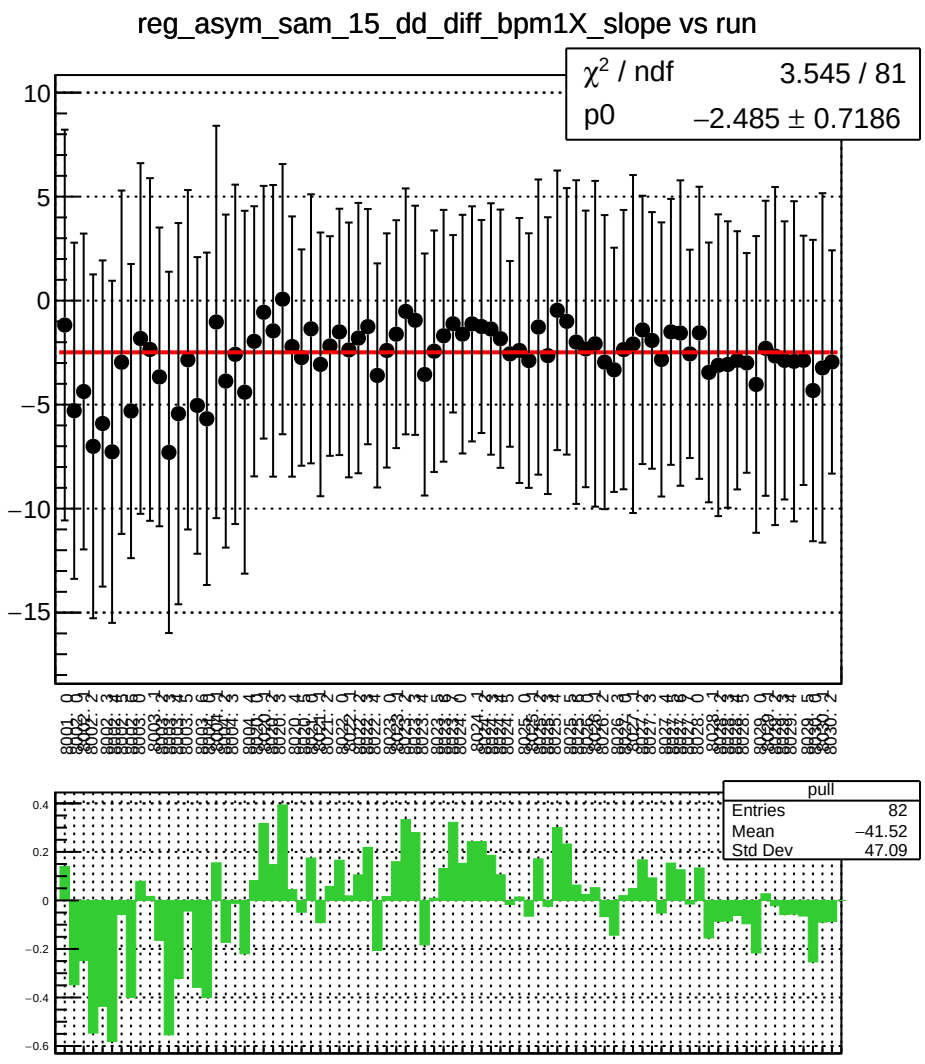

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 15.99 / 81
p0 −2.701 ± 0.3463
pull
Entries 82
Mean −189.4
Std Dev 223.5
pull1D
Entries 82
Mean −0.02783
Std Dev 0.4407

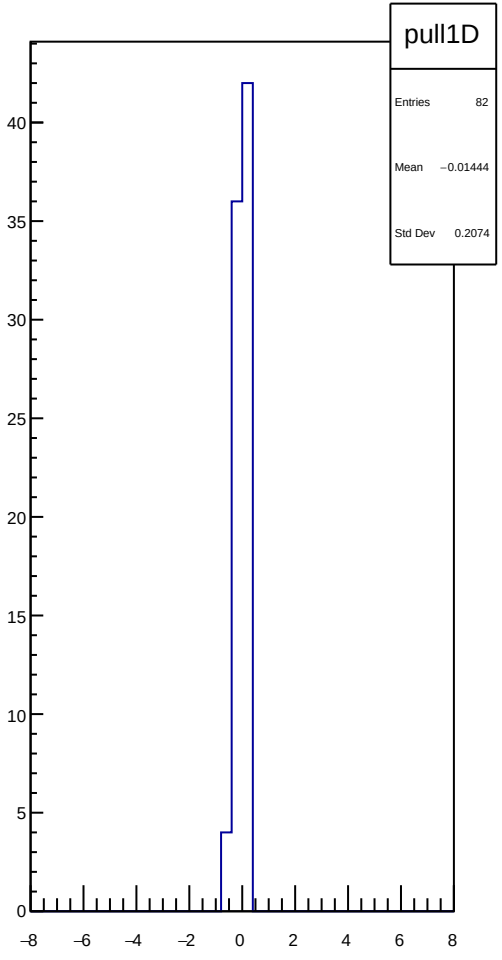

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.53 / 81
p0 24.71 ± 0.524
pull
Entries 82
Mean 329.7
Std Dev 283.8
pull1D
Entries 82
Mean −0.0272
Std Dev 0.6293

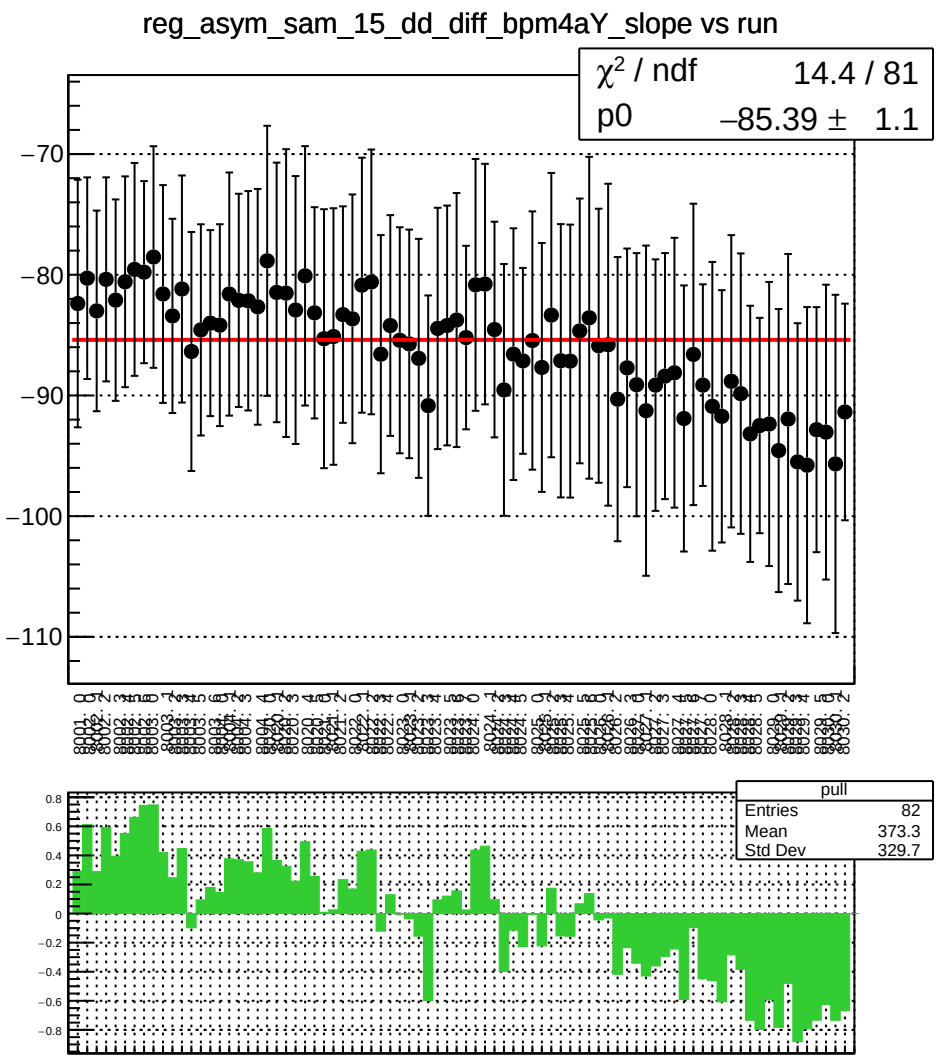

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.768 / 81
p0 −0.5566 ± 0.358
pull
Entries 82
Mean −948.7
Std Dev 985.8
pull1D
Entries 82
Mean 0.00334
Std Dev 0.3078

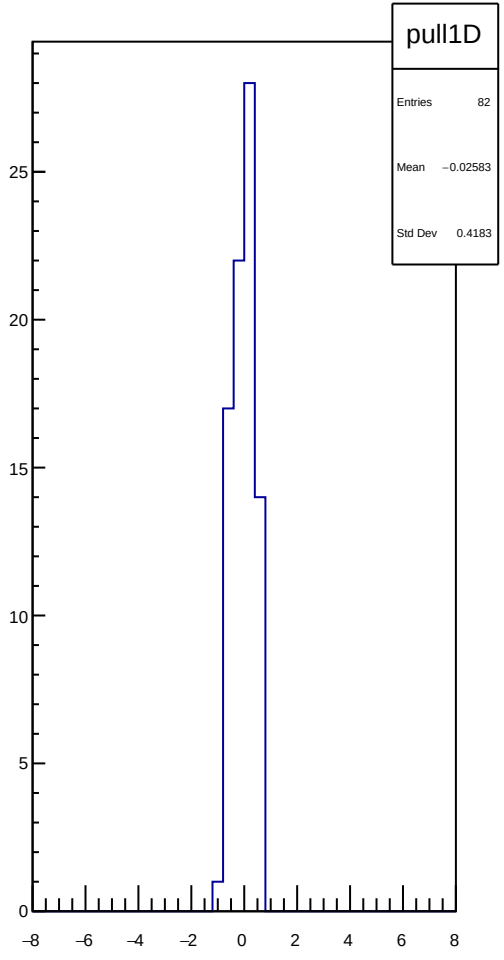

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 65.65 / 81
p0 26.23 ± 0.567
pull
Entries 82
Mean 309.4
Std Dev 268.5
pull1D
Entries 82
Mean 0.05738
Std Dev 0.8929

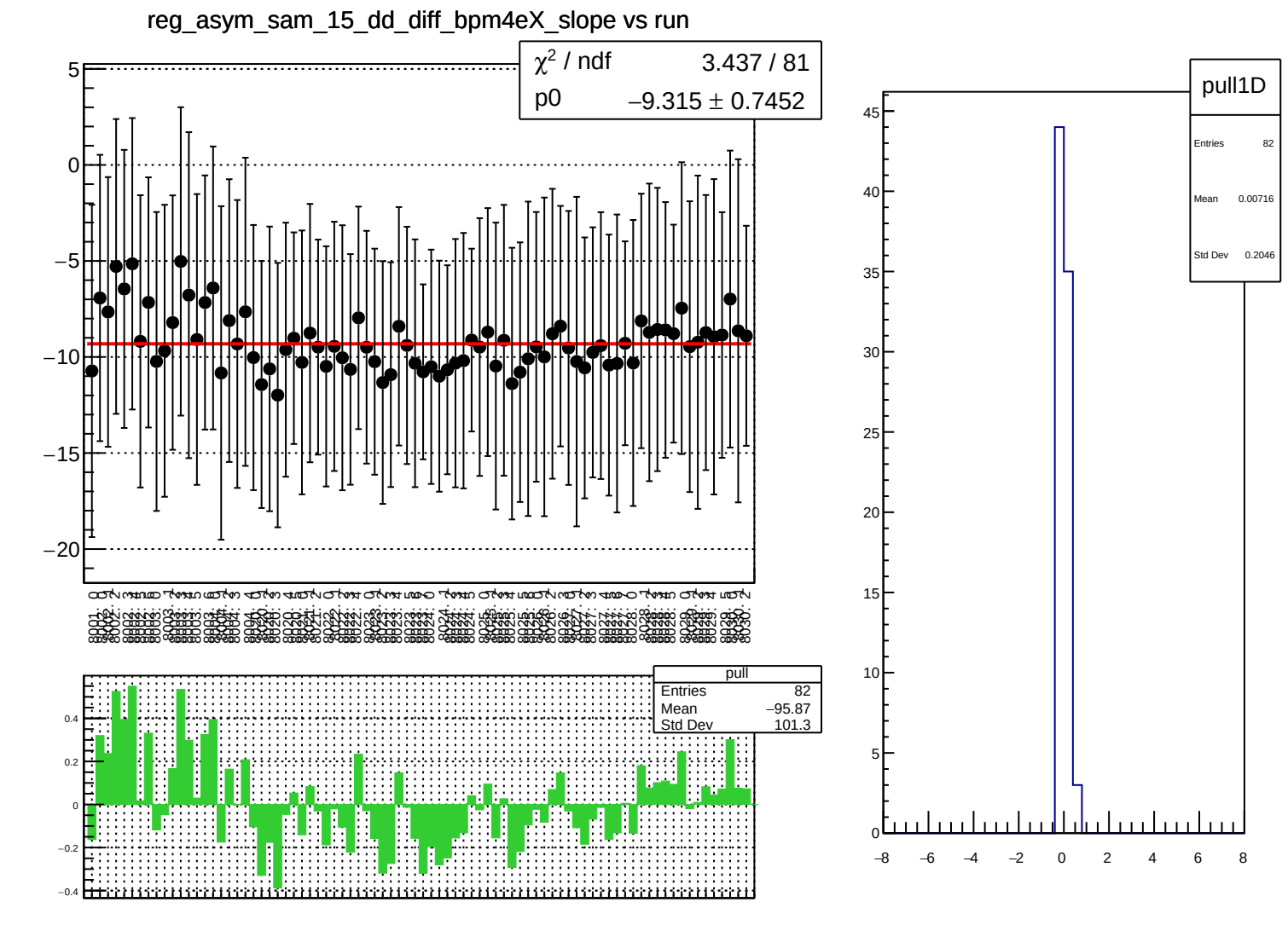

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 146.9 / 81
p0 −0.02447 ± 0.02321
pull
Entries 82
Mean 78.23
Std Dev 36.57
pull1D
Entries 82
Mean 0.5451
Std Dev 1.223

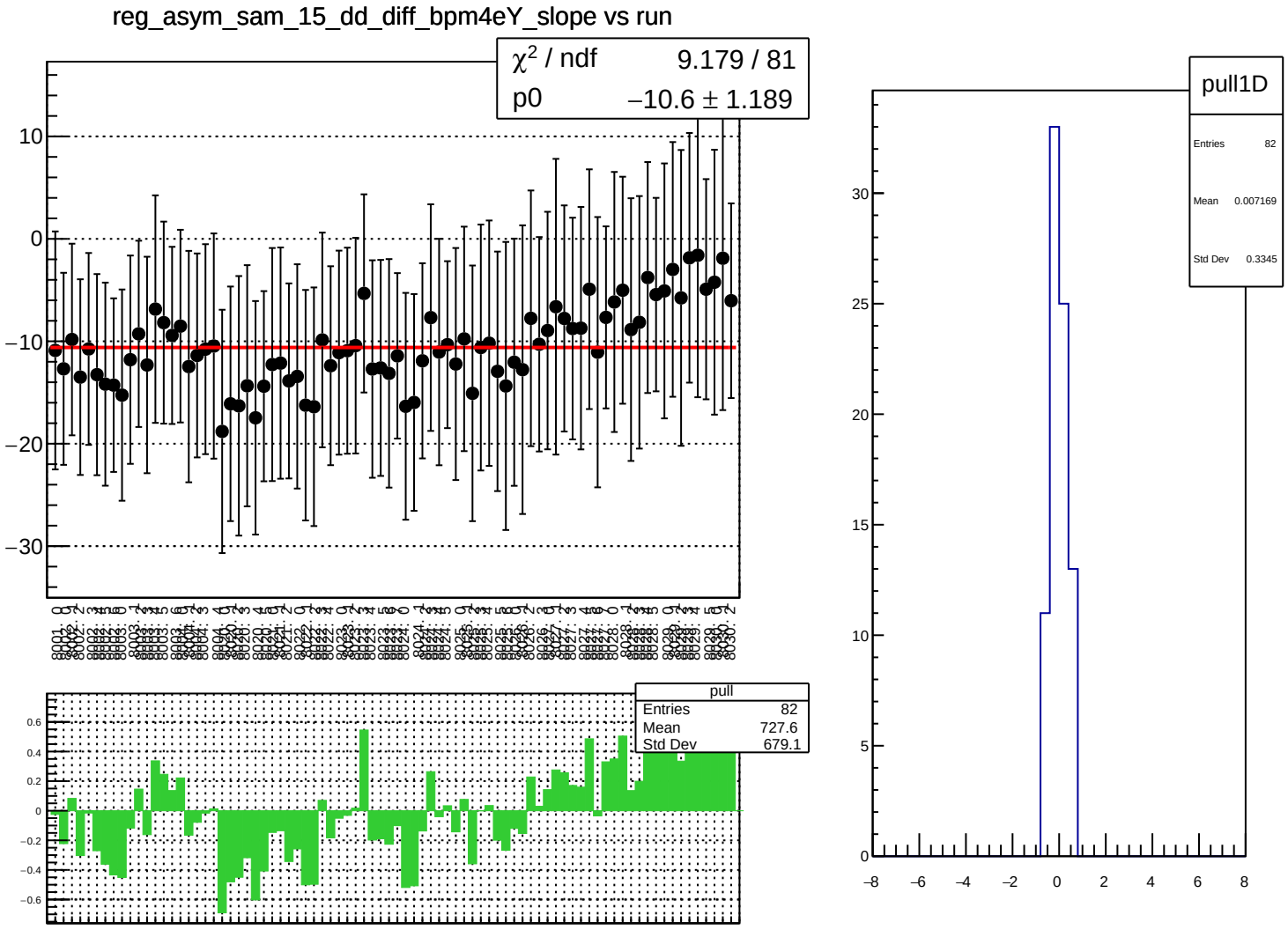

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.545 / 81
p0 −2.485 ± 0.7186
pull
Entries 82
Mean −41.52
Std Dev 47.09

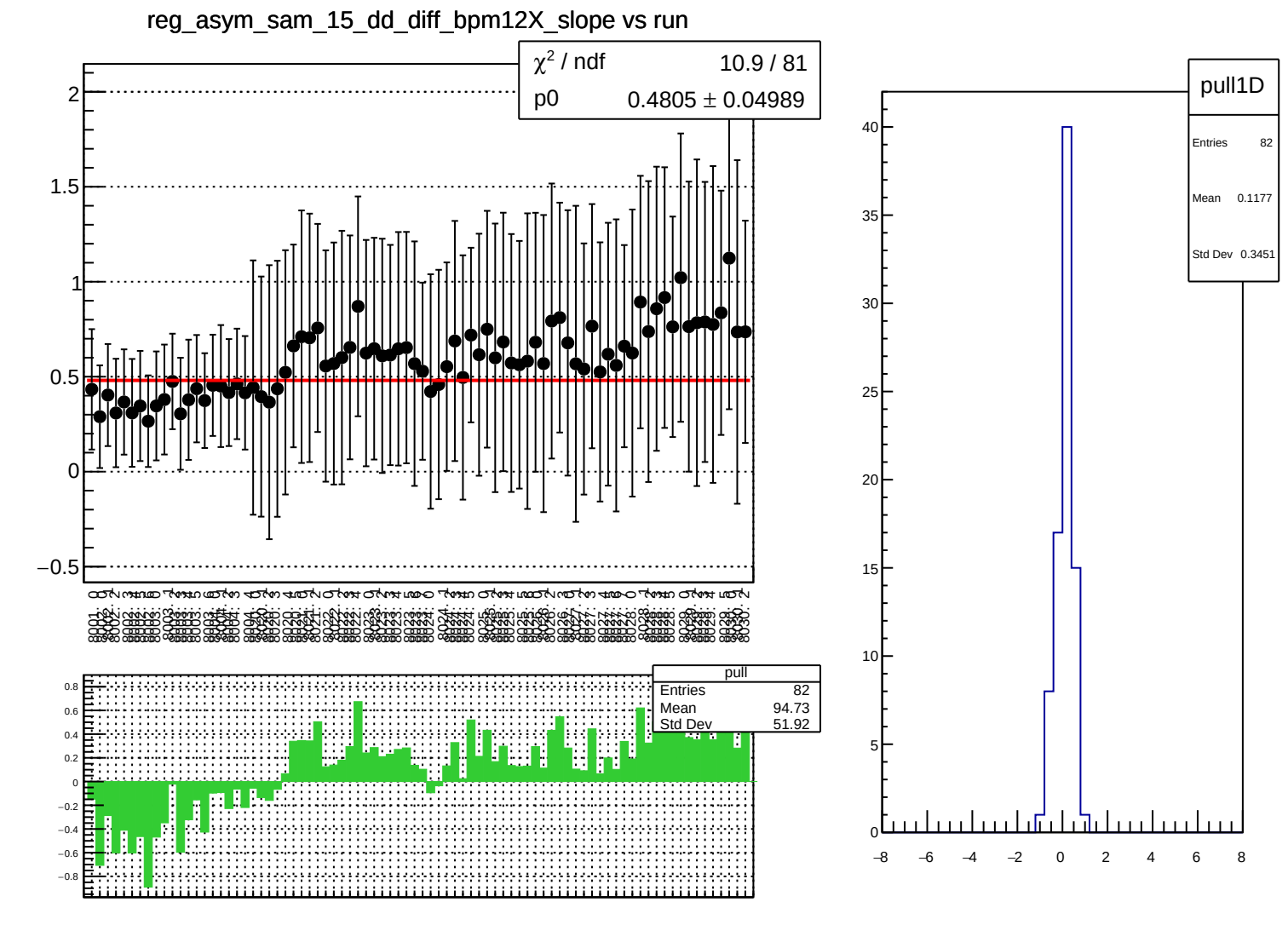

pull1D
Entries 82
Mean −0.01444
Std Dev 0.2074

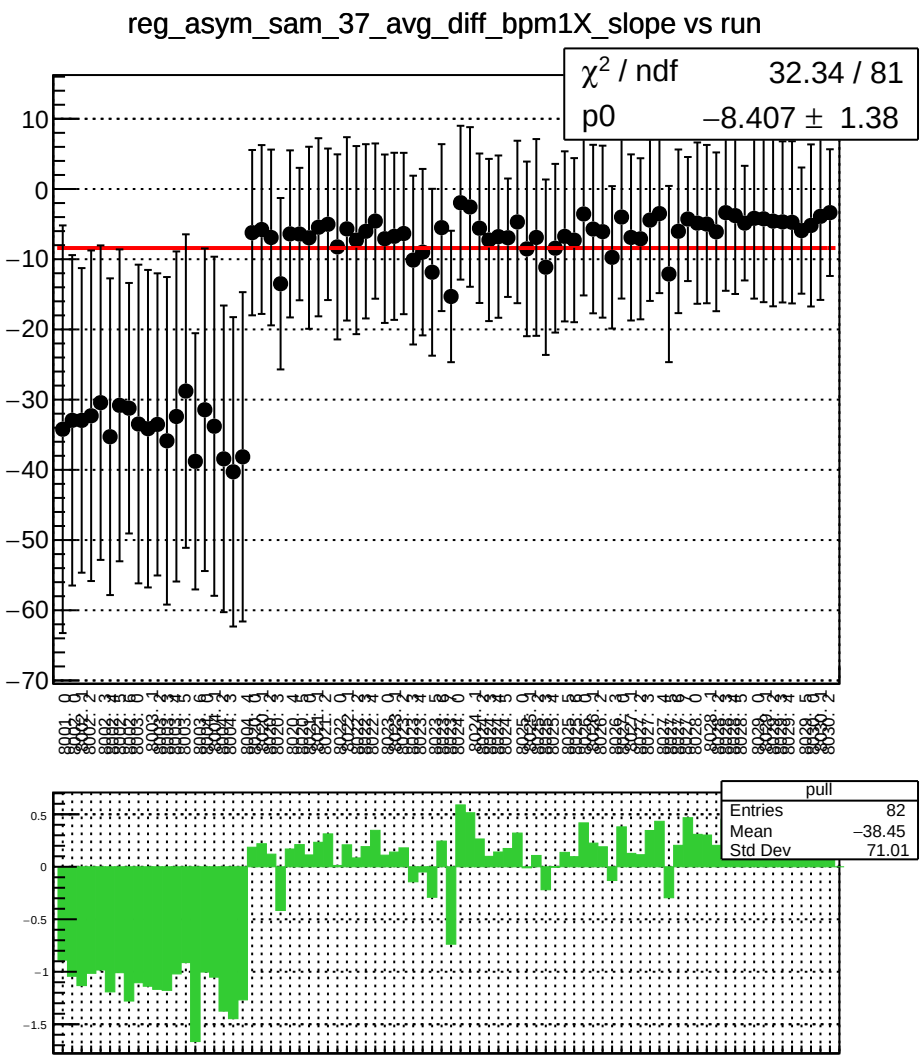

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.4 / 81
p0 −85.39 ± 1.1
−70
−80
−90
−100
−110
pull
Entries 82
Mean 373.3
Std Dev 329.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

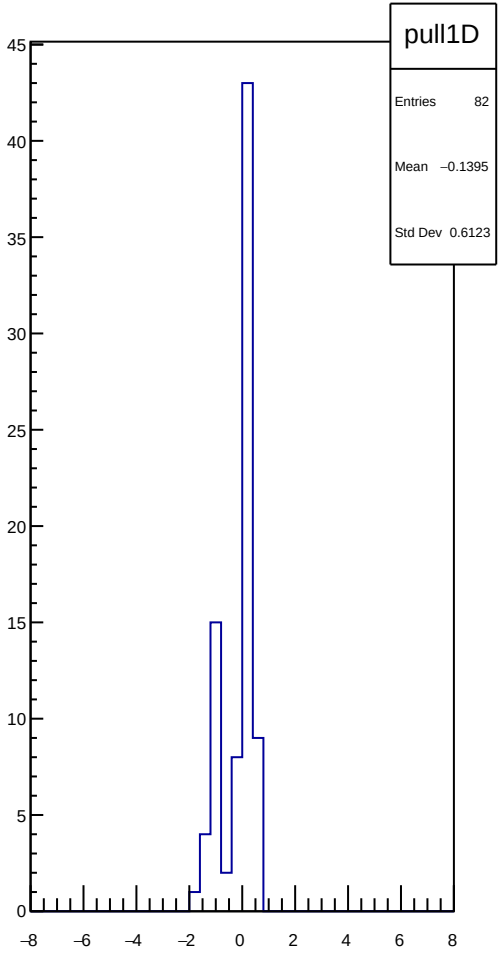

pull1D
Entries 82
Mean −0.02583
Std Dev 0.4183
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

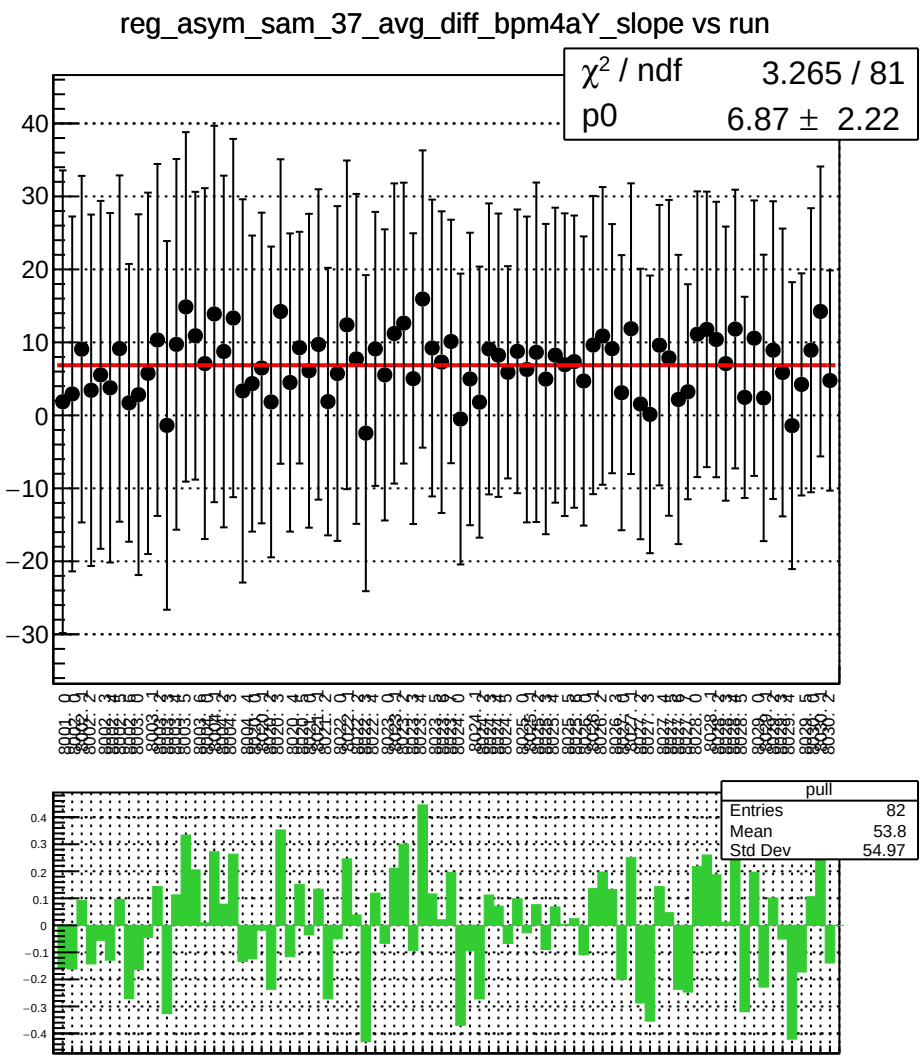

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.437 / 81
p0 −9.315 ± 0.7452
pull
Entries 82
Mean −95.87
Std Dev 101.3
pull1D
Entries 82
Mean 0.00716
Std Dev 0.2046

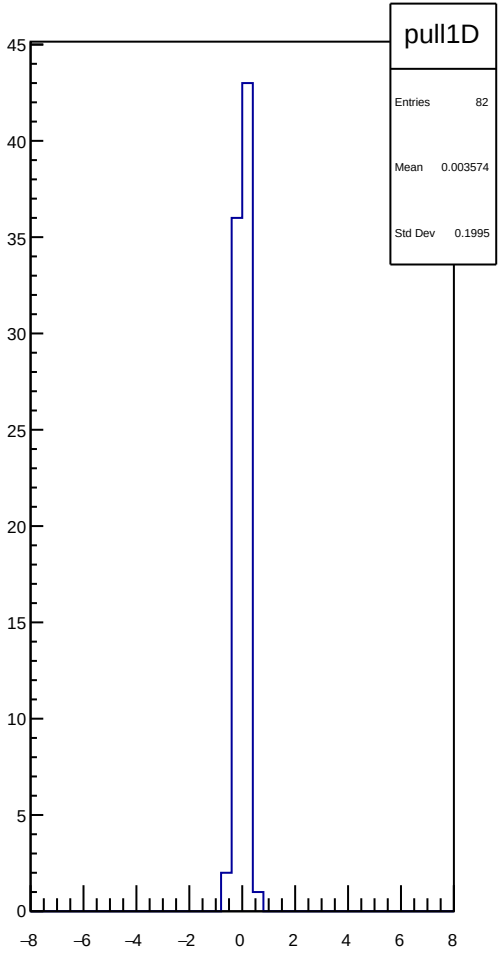

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.179 / 81
p0 −10.6 ± 1.189
pull
Entries 82
Mean 727.6
Std Dev 679.1
pull1D
Entries 82
Mean 0.007169
Std Dev 0.3345

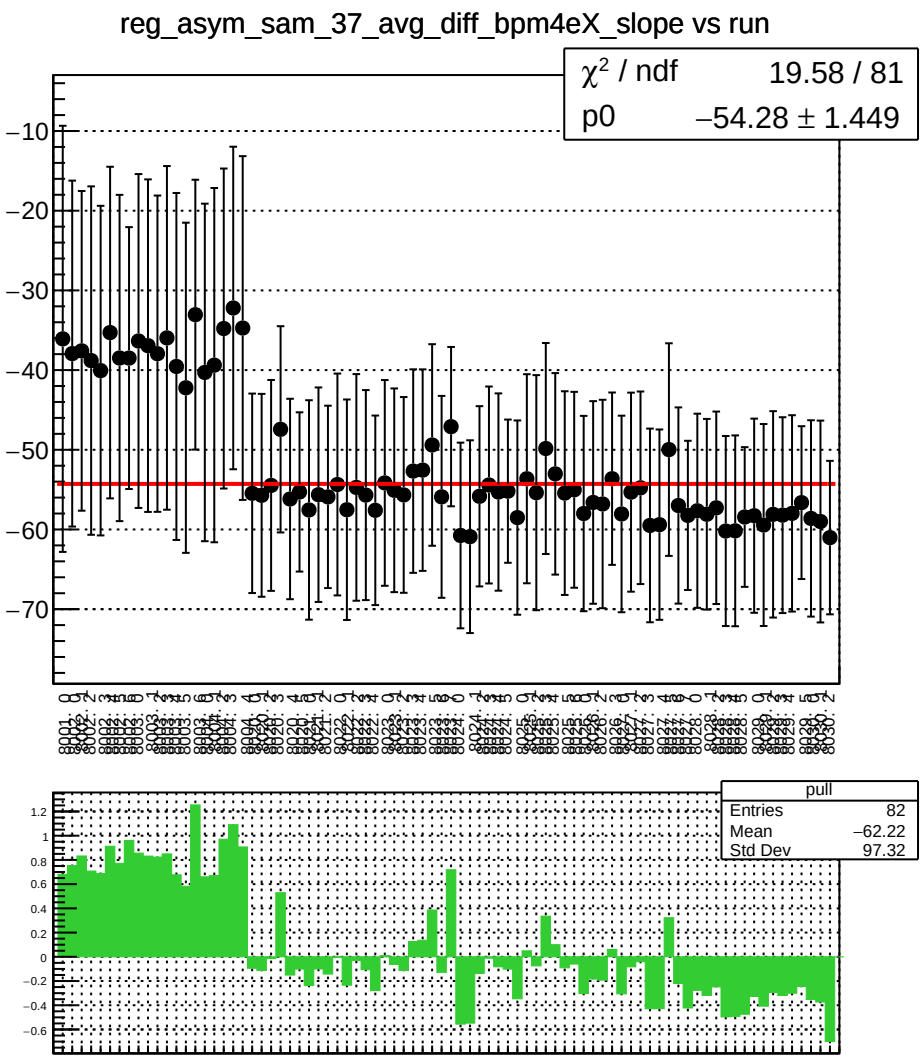

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.9 / 81
p0 0.4805 ± 0.04989
pull
Entries 82
Mean 94.73
Std Dev 51.92
pull1D
Entries 82
Mean 0.1177
Std Dev 0.3451

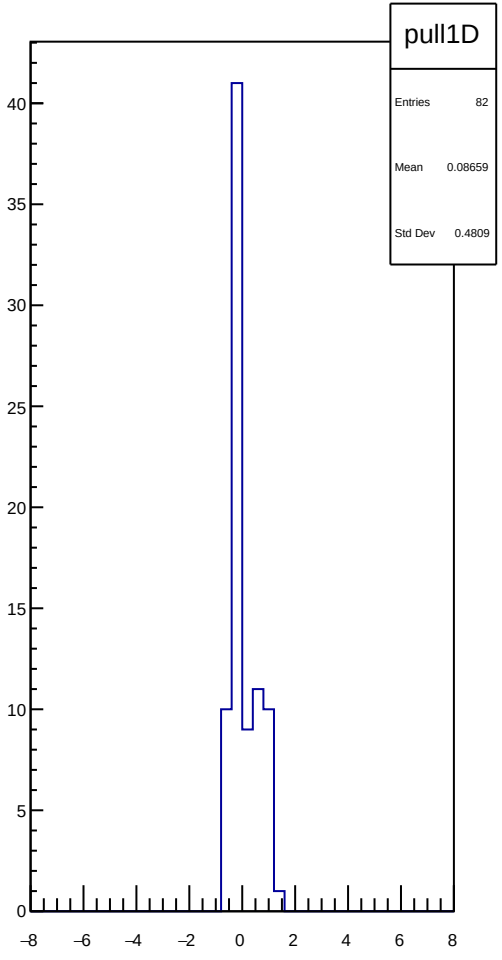

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 32.34 / 81
p0 −8.407 ± 1.38
pull
Entries 82
Mean −38.45
Std Dev 71.01

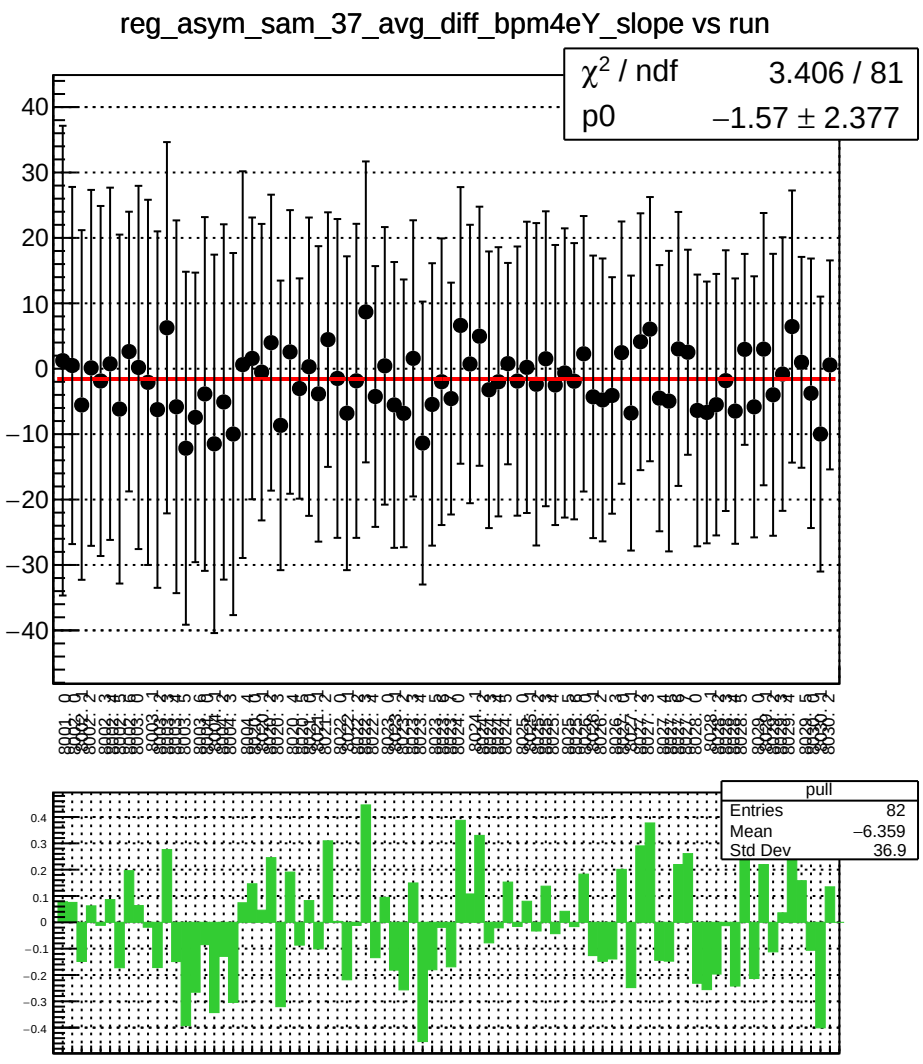

pull1D
Entries 82
Mean −0.1395
Std Dev 0.6123

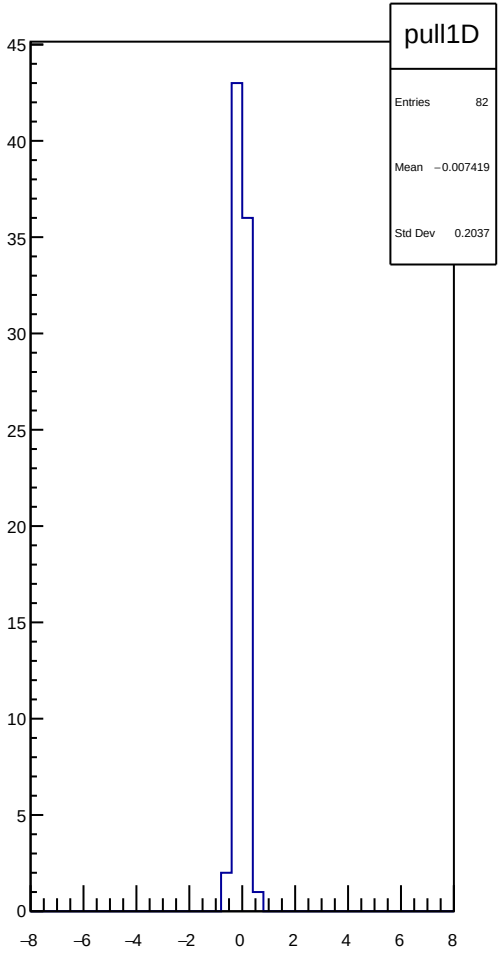

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.265 / 81
p0 6.87 ± 2.22
pull
Entries 82
Mean 53.8
Std Dev 54.97

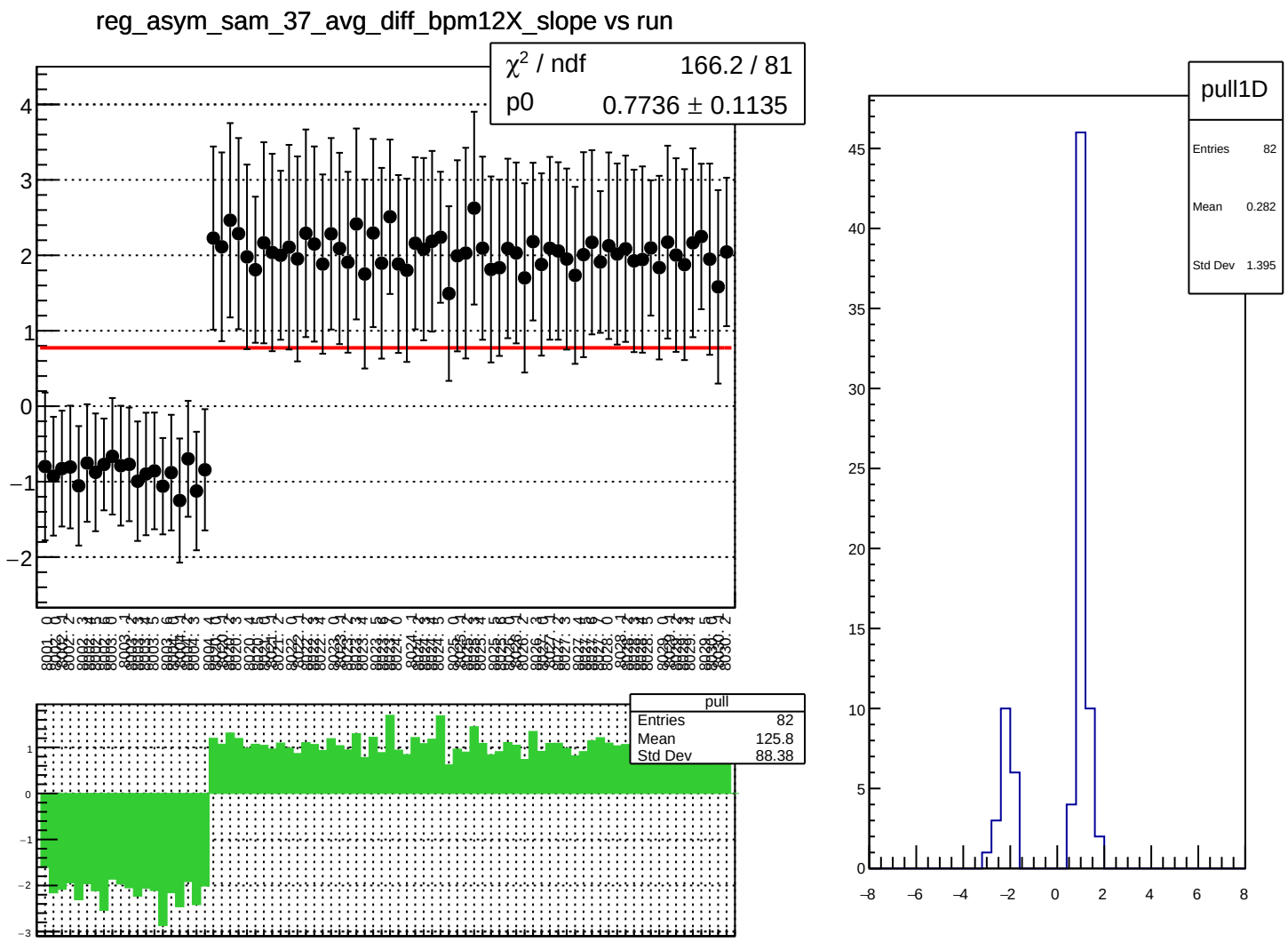

pull1D
Entries 82
Mean 0.003574
Std Dev 0.1995

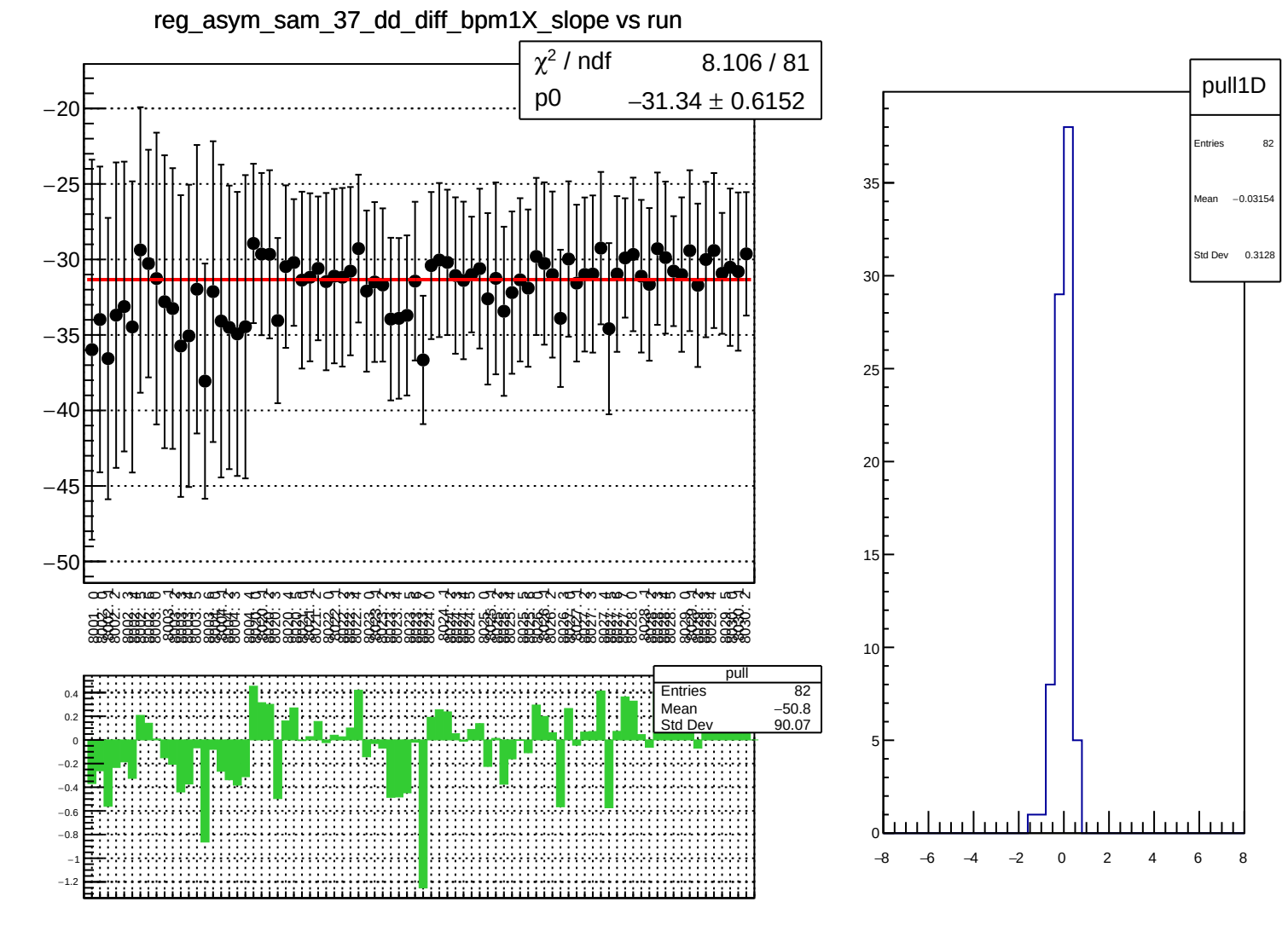

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.58 / 81
p0 −54.28 ± 1.449
pull
Entries 82
Mean −62.22
Std Dev 97.32

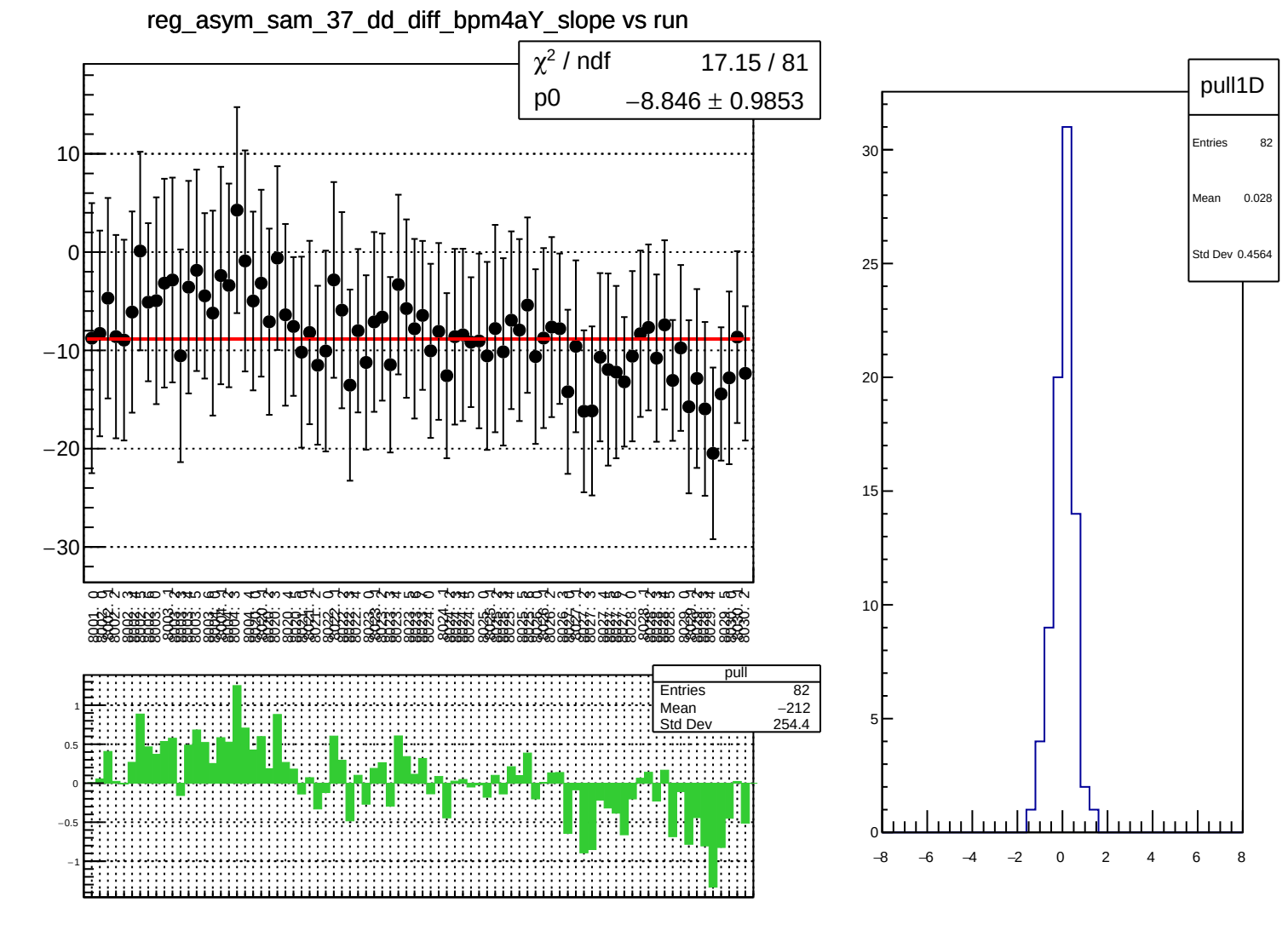

pull1D
Entries 82
Mean 0.08659
Std Dev 0.4809

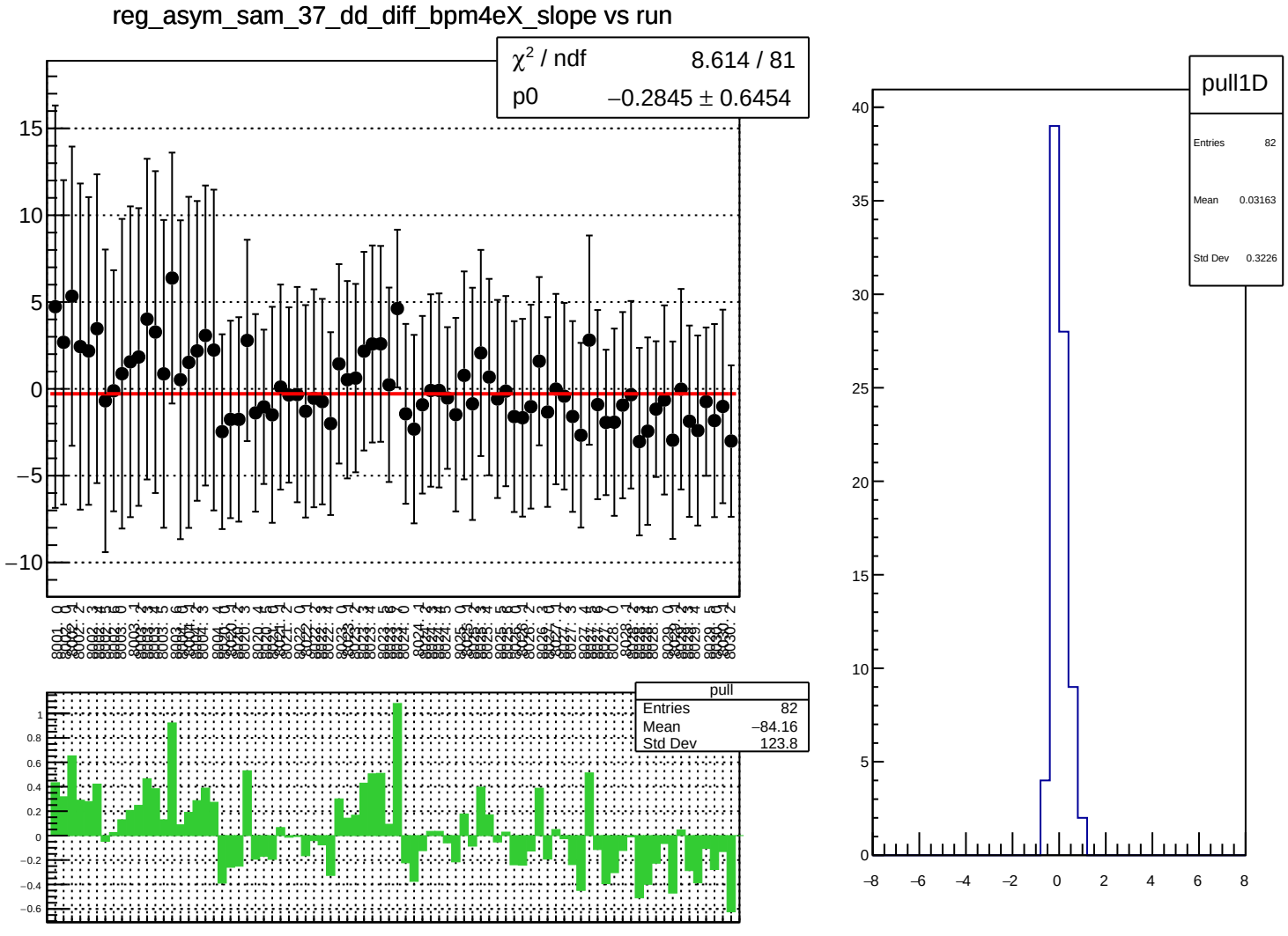

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.406 / 81
p0 −1.57 ± 2.377
pull
Entries 82
Mean −6.359
Std Dev 36.9

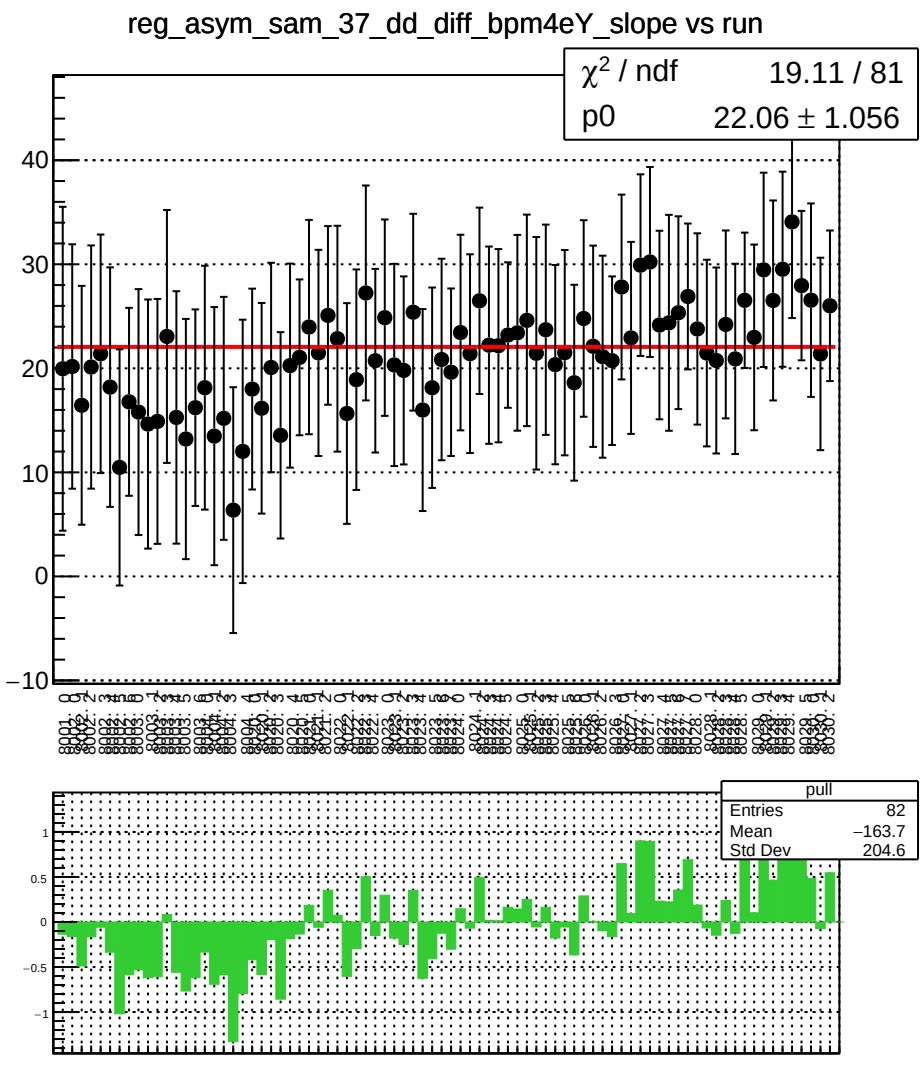

pull1D
Entries 82
Mean −0.007419
Std Dev 0.2037

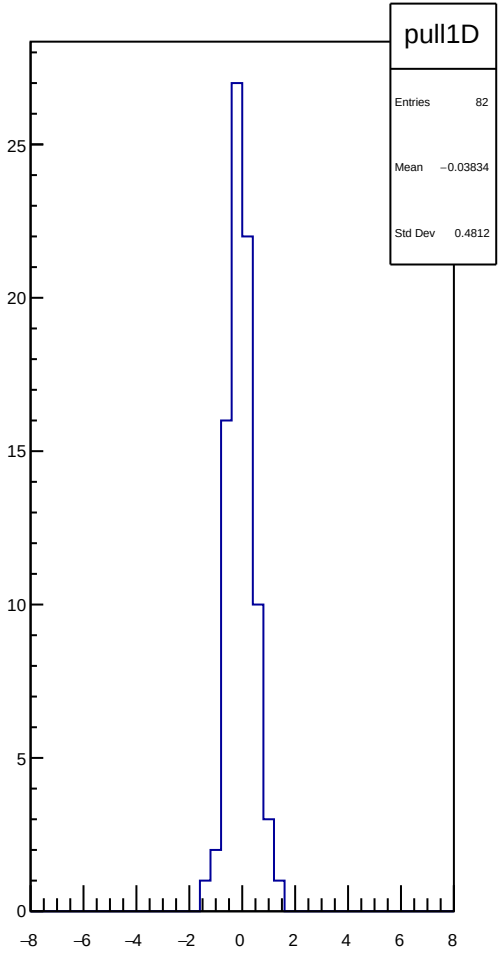

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 166.2 / 81
p0 0.7736 ± 0.1135
pull
Entries 82
Mean 125.8
Std Dev 88.38
pull1D
Entries 82
Mean 0.282
Std Dev 1.395

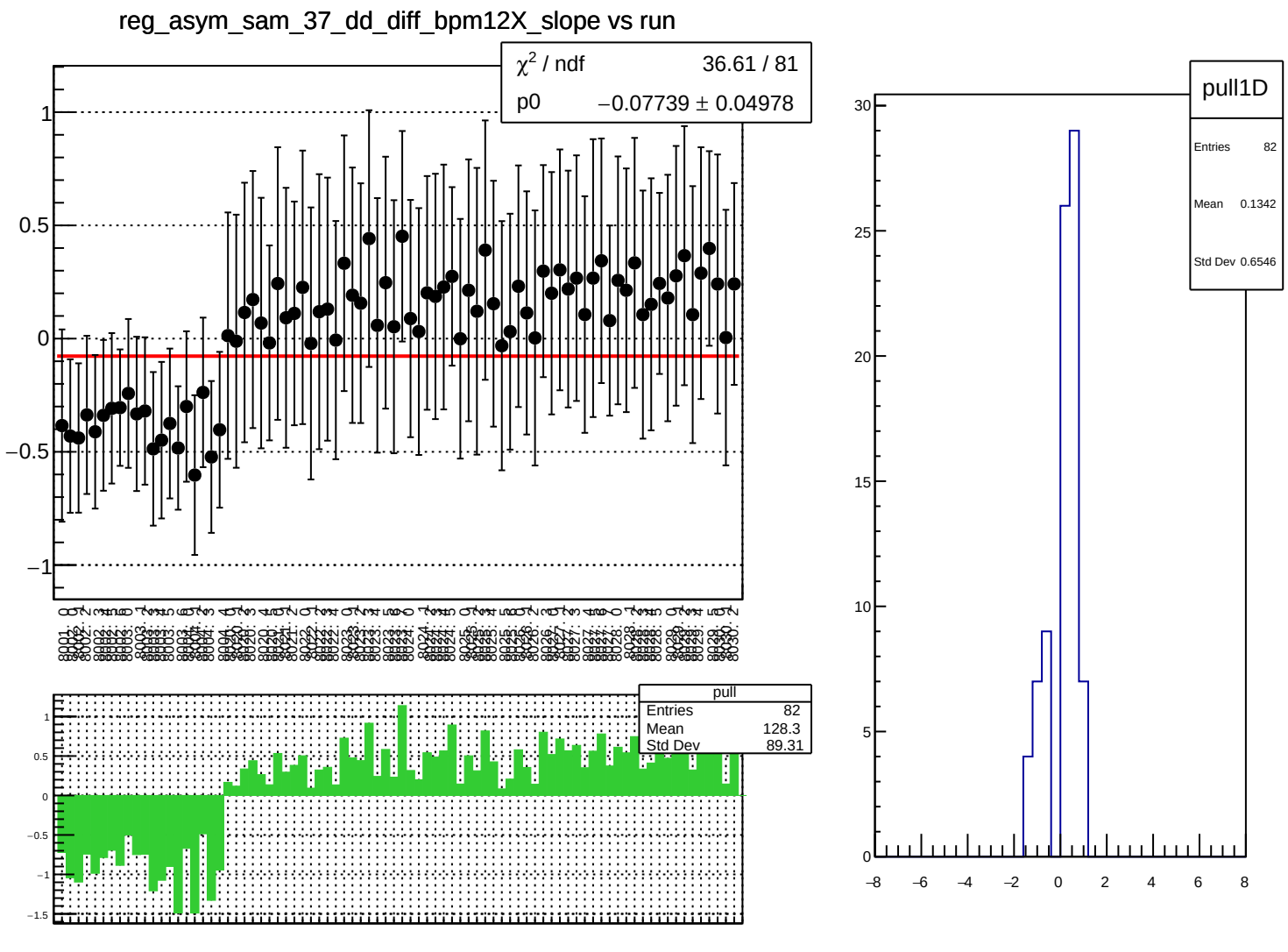

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 8.106 / 81
p0 −31.34 ± 0.6152
pull
Entries 82
Mean −50.8
Std Dev 90.07
pull1D
Entries 82
Mean −0.03154
Std Dev 0.3128

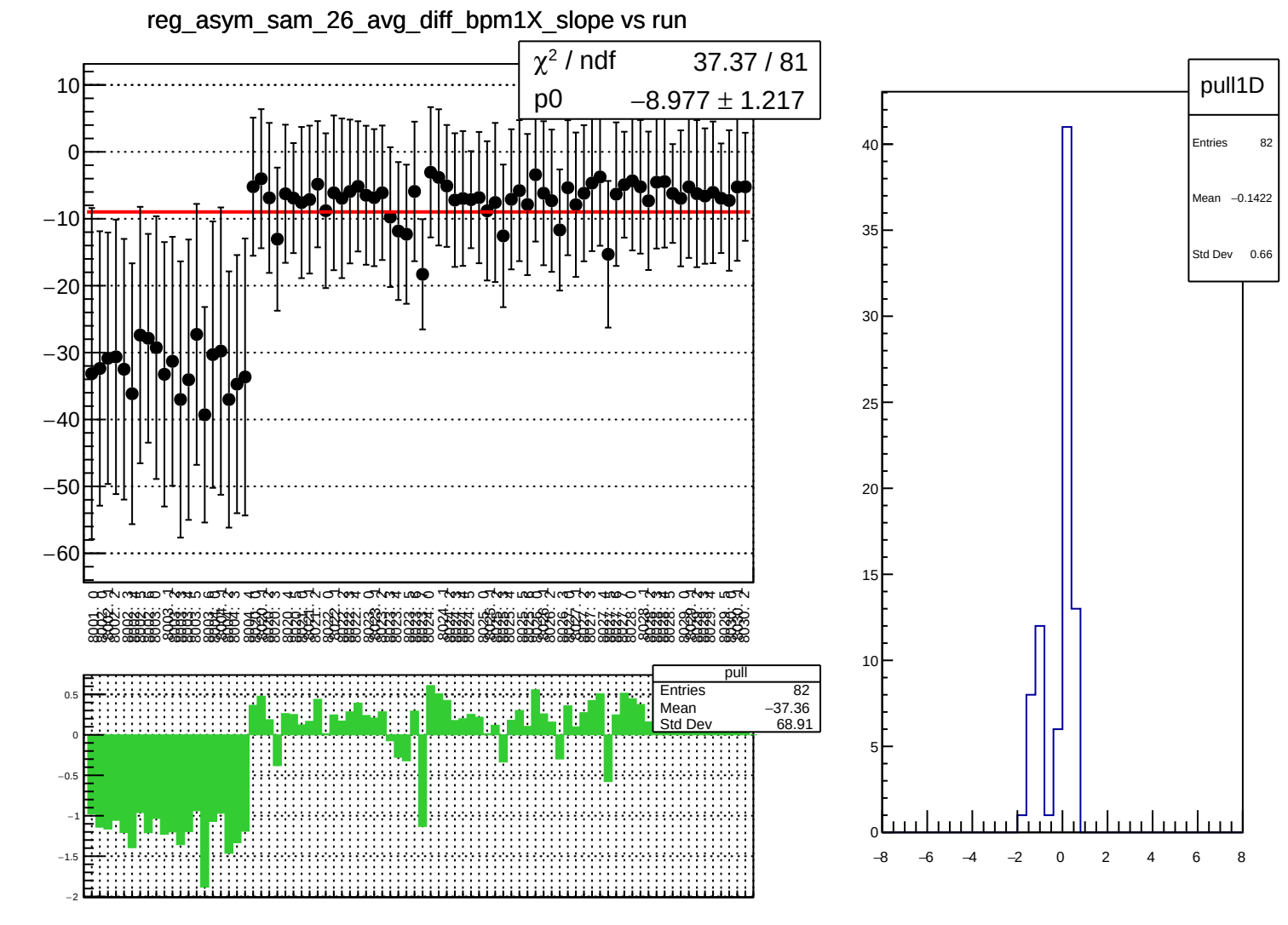

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.15 / 81
p0 −8.846 ± 0.9853
pull
Entries 82
Mean −212
Std Dev 254.4
pull1D
Entries 82
Mean 0.028
Std Dev 0.4564

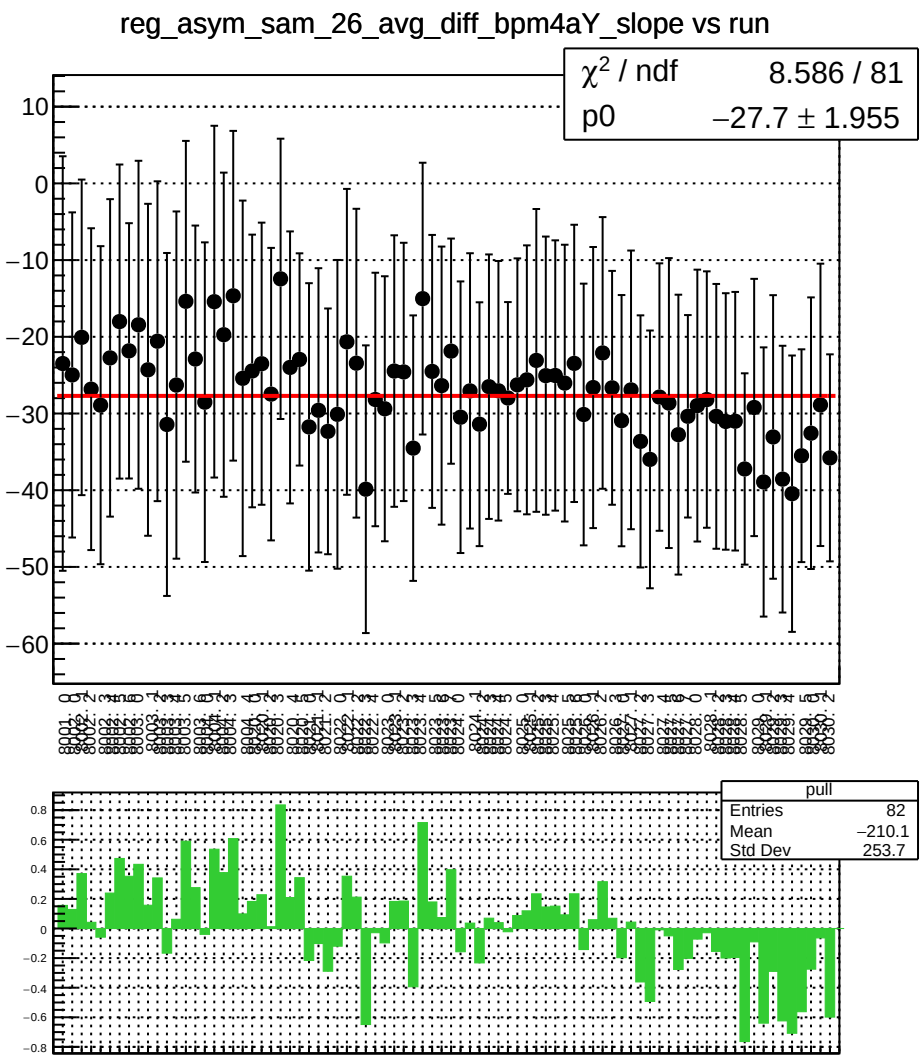

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.614 / 81
p0 −0.2845 ± 0.6454
pull
Entries 82
Mean −84.16
Std Dev 123.8
pull1D
Entries 82
Mean 0.03163
Std Dev 0.3226

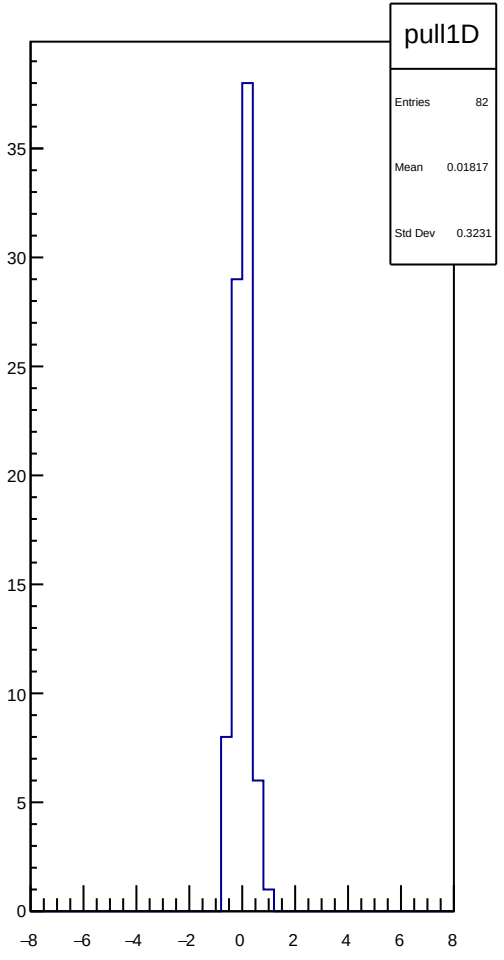

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.11 / 81
p0 22.06 ± 1.056
pull
Entries 82
Mean −163.7
Std Dev 204.6

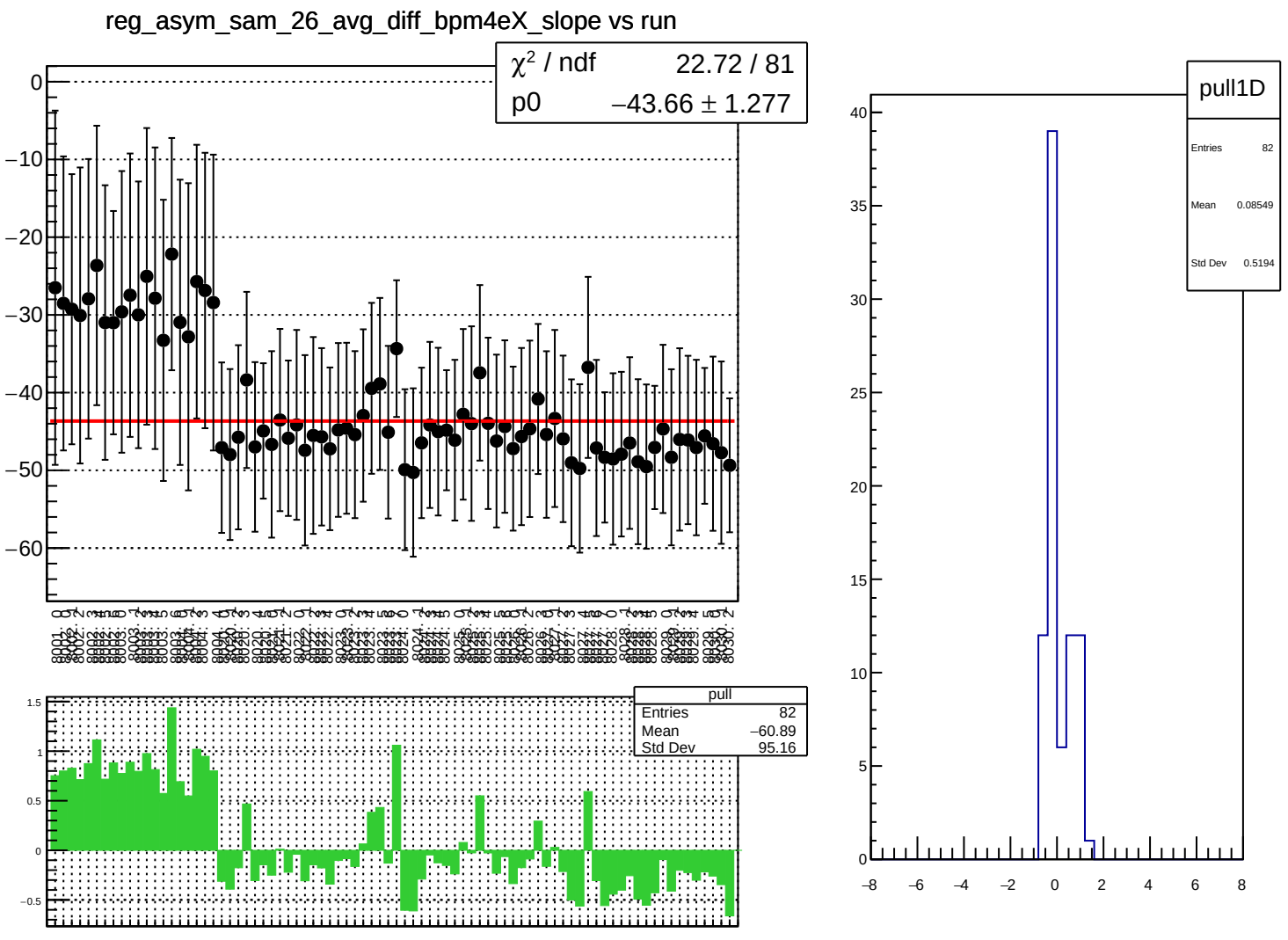

pull1D
Entries 82
Mean −0.03834
Std Dev 0.4812

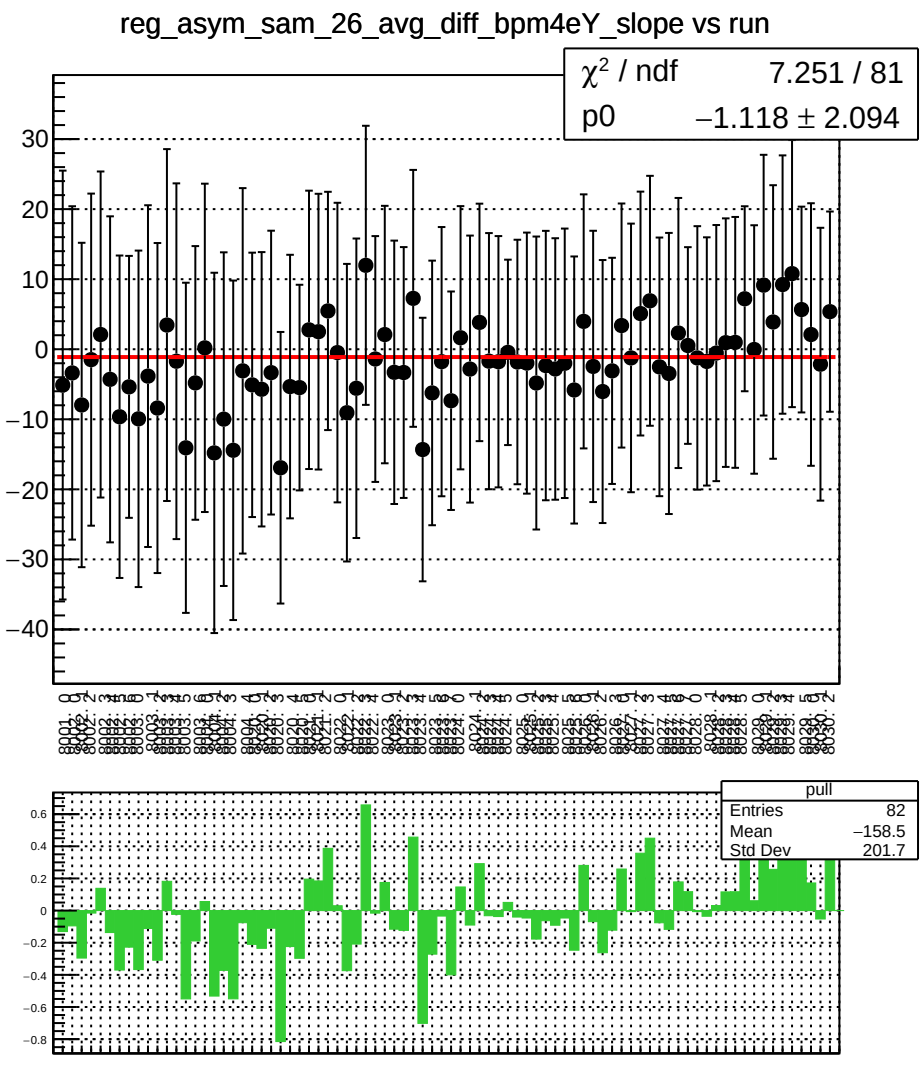

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 36.61 / 81
p0 −0.07739 ± 0.04978
pull
Entries 82
Mean 128.3
Std Dev 89.31
pull1D
Entries 82
Mean 0.1342
Std Dev 0.6546

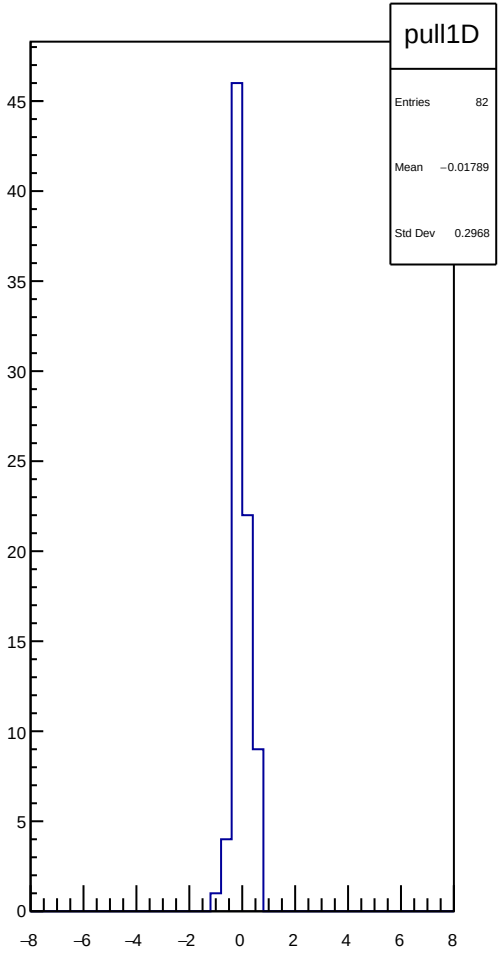

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 37.37 / 81
p0 −8.977 ± 1.217
pull
Entries 82
Mean −37.36
Std Dev 68.91
pull1D
Entries 82
Mean −0.1422
Std Dev 0.66

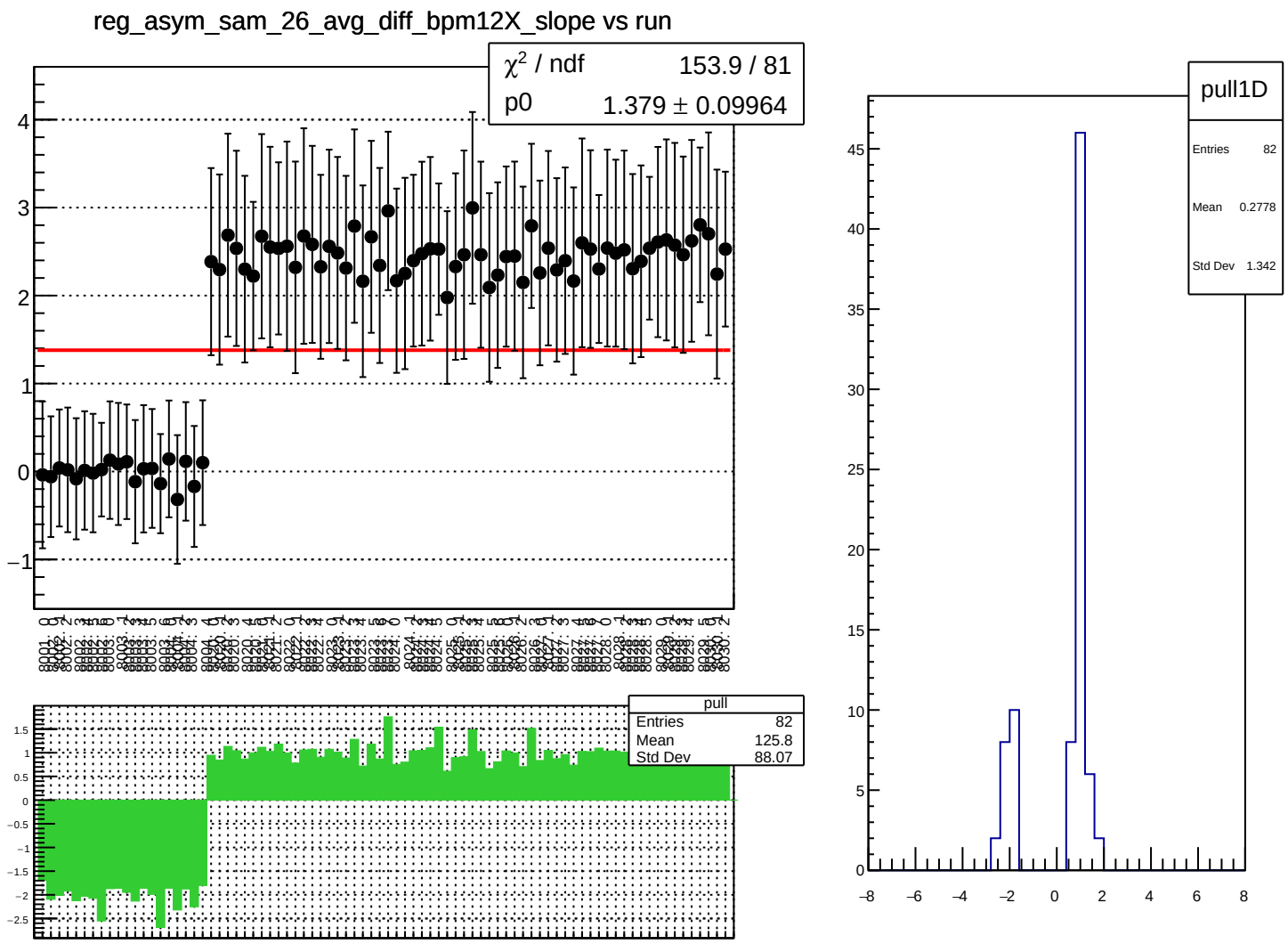

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.586 / 81
p0 −27.7 ± 1.955
pull
Entries 82
Mean −210.1
Std Dev 253.7

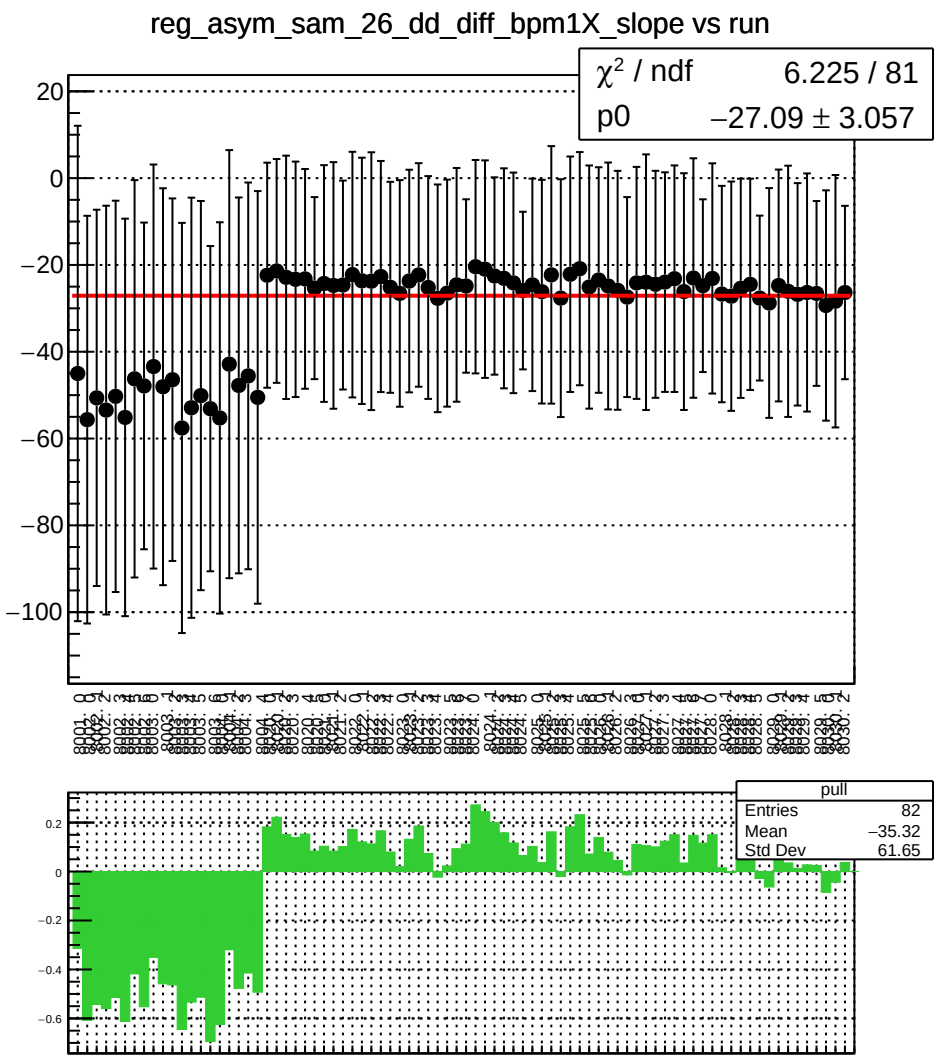

pull1D
Entries 82
Mean 0.01817
Std Dev 0.3231

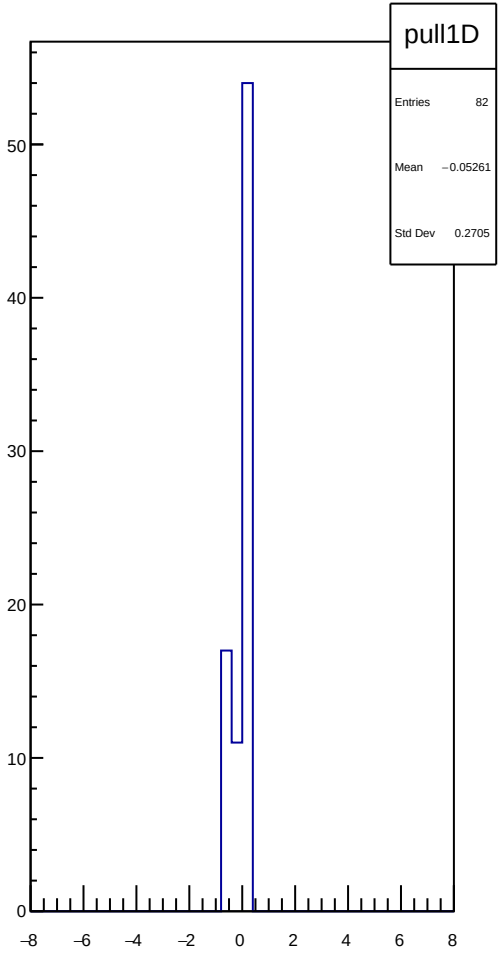

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.72 / 81
p0 −43.66 ± 1.277
pull
Entries 82
Mean −60.89
Std Dev 95.16
pull1D
Entries 82
Mean 0.08549
Std Dev 0.5194

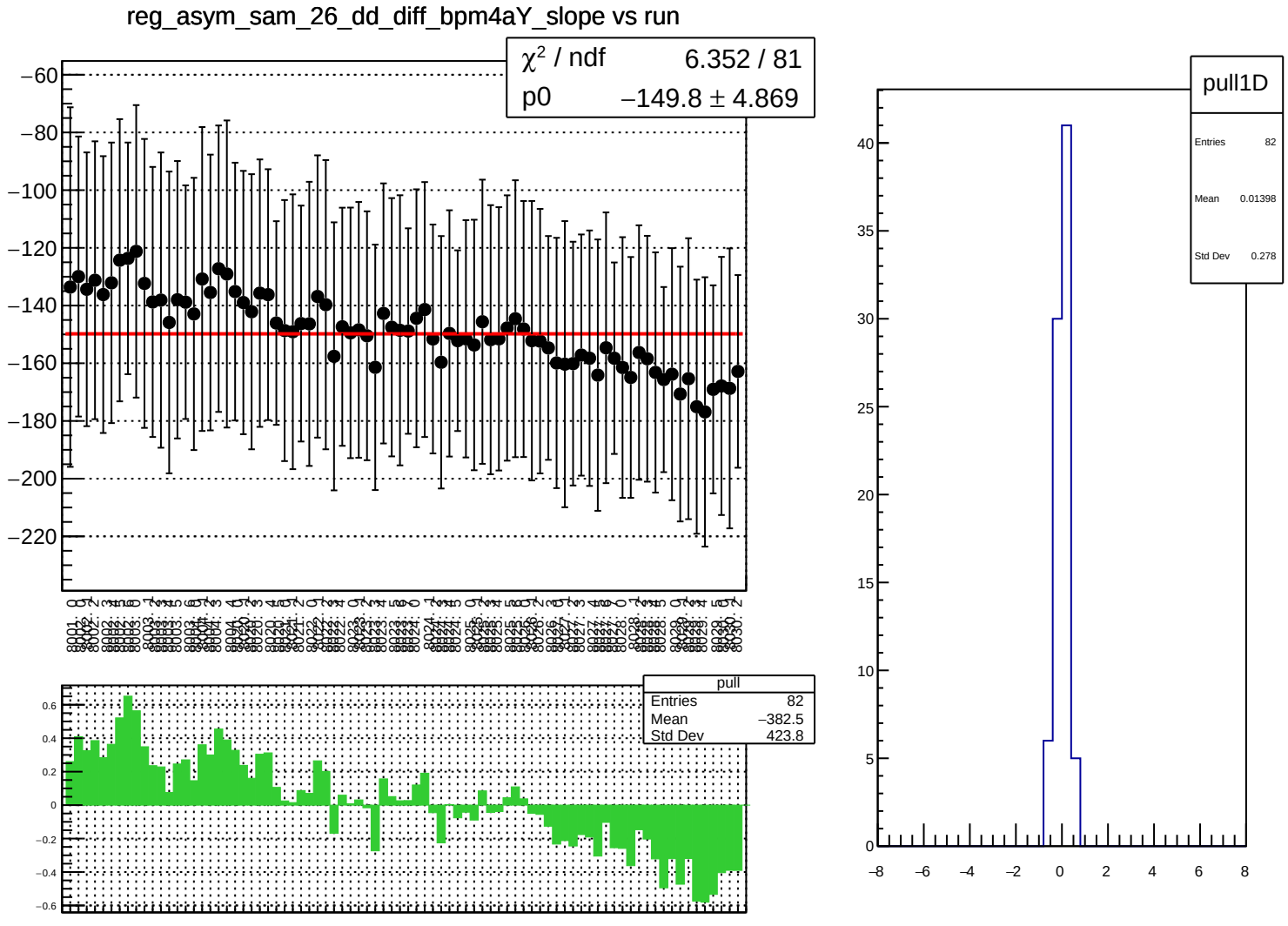

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.251 / 81
p0 −1.118 ± 2.094
pull
Entries 82
Mean −158.5
Std Dev 201.7

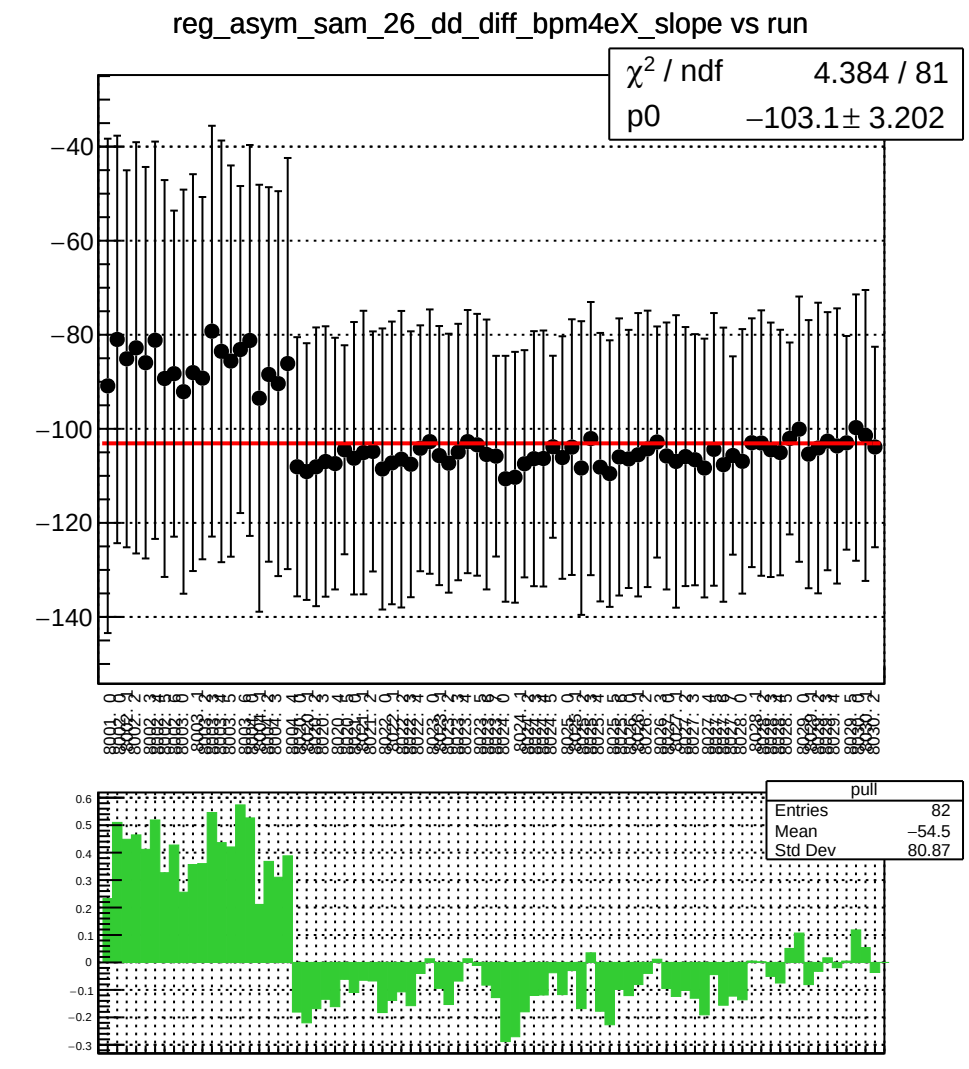

pull1D
Entries 82
Mean −0.01789
Std Dev 0.2968

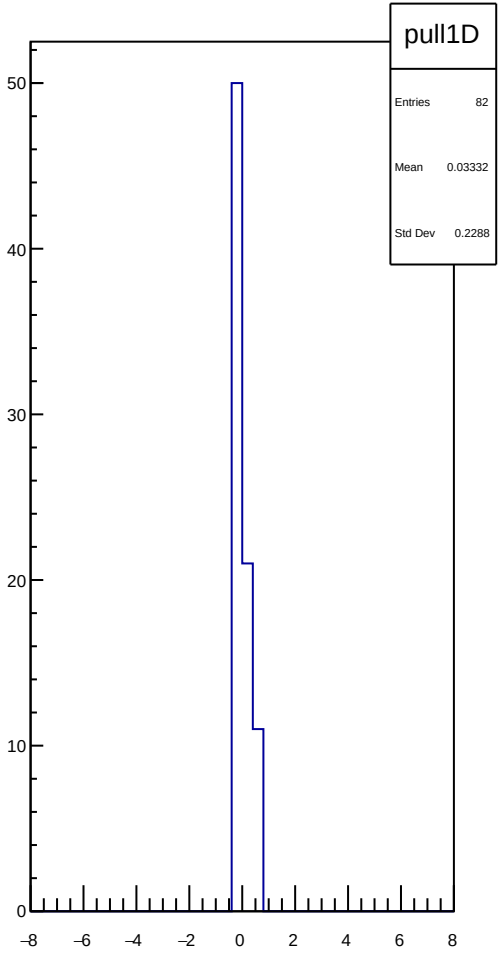

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 153.9 / 81
p0 1.379 ± 0.09964
pull
Entries 82
Mean 125.8
Std Dev 88.07
pull1D
Entries 82
Mean 0.2778
Std Dev 1.342

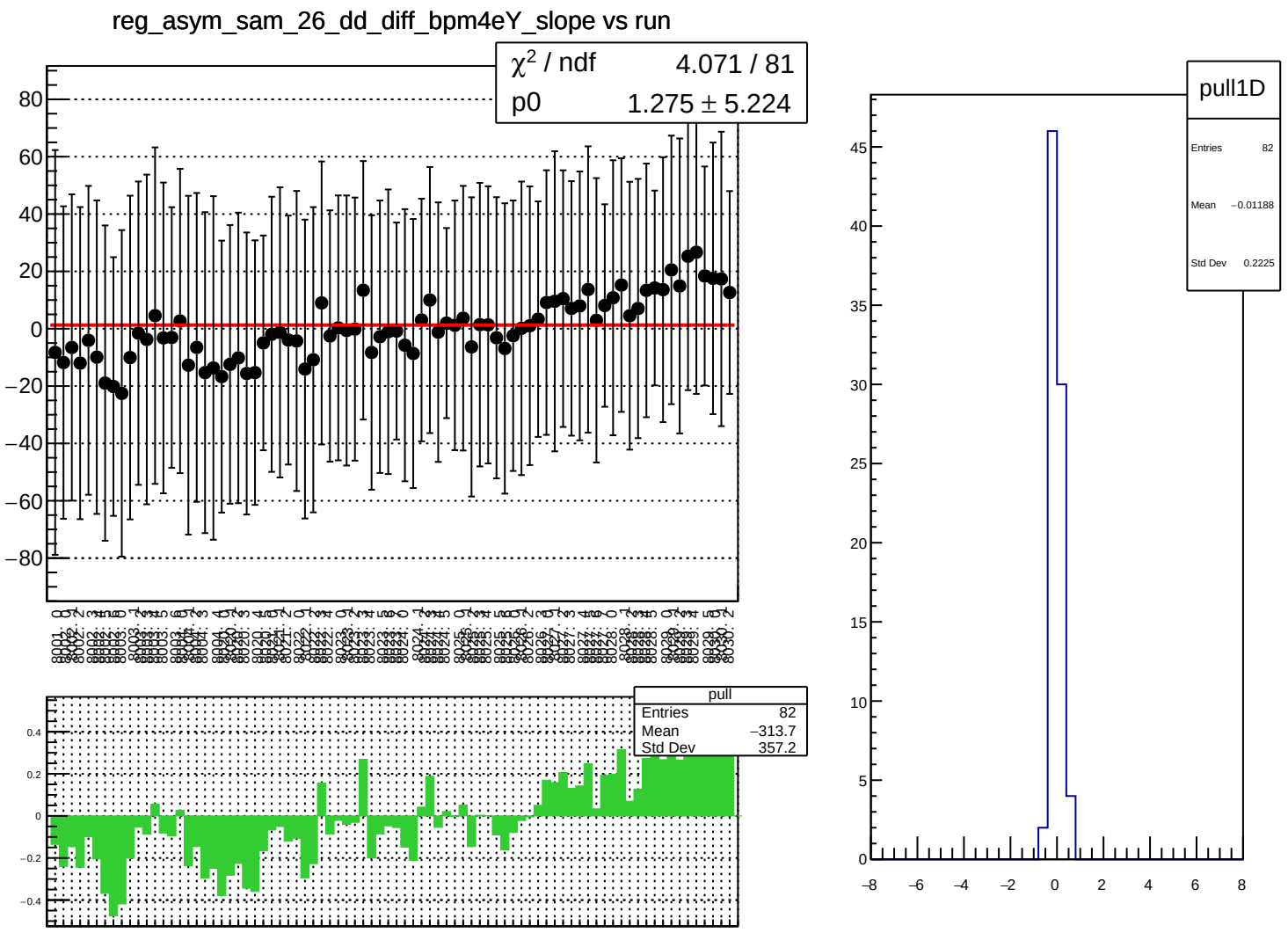

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 6.225 / 81
p0 −27.09 ± 3.057
pull
Entries 82
Mean −35.32
Std Dev 61.65

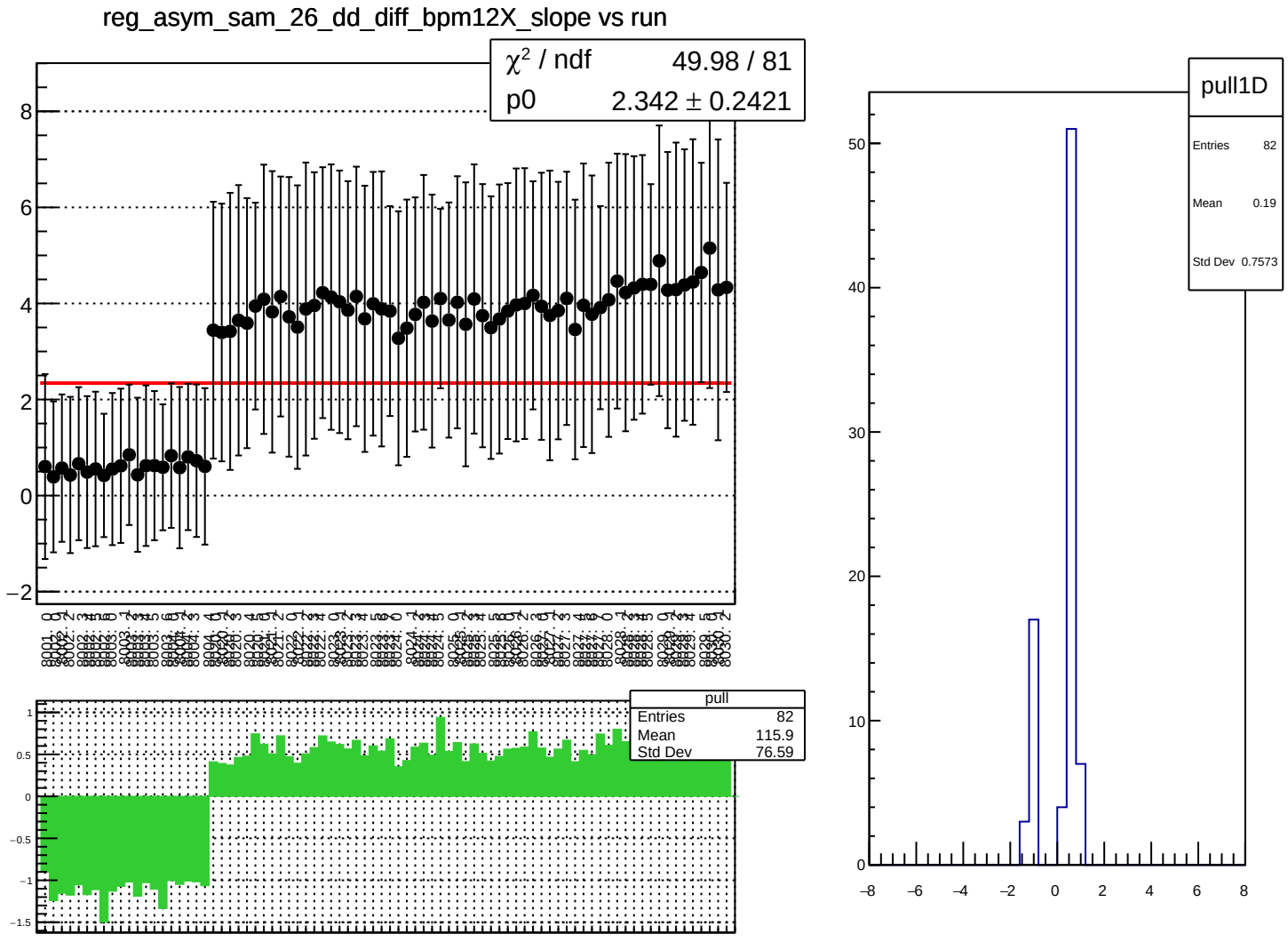

pull1D
Entries 82
Mean −0.05261
Std Dev 0.2705

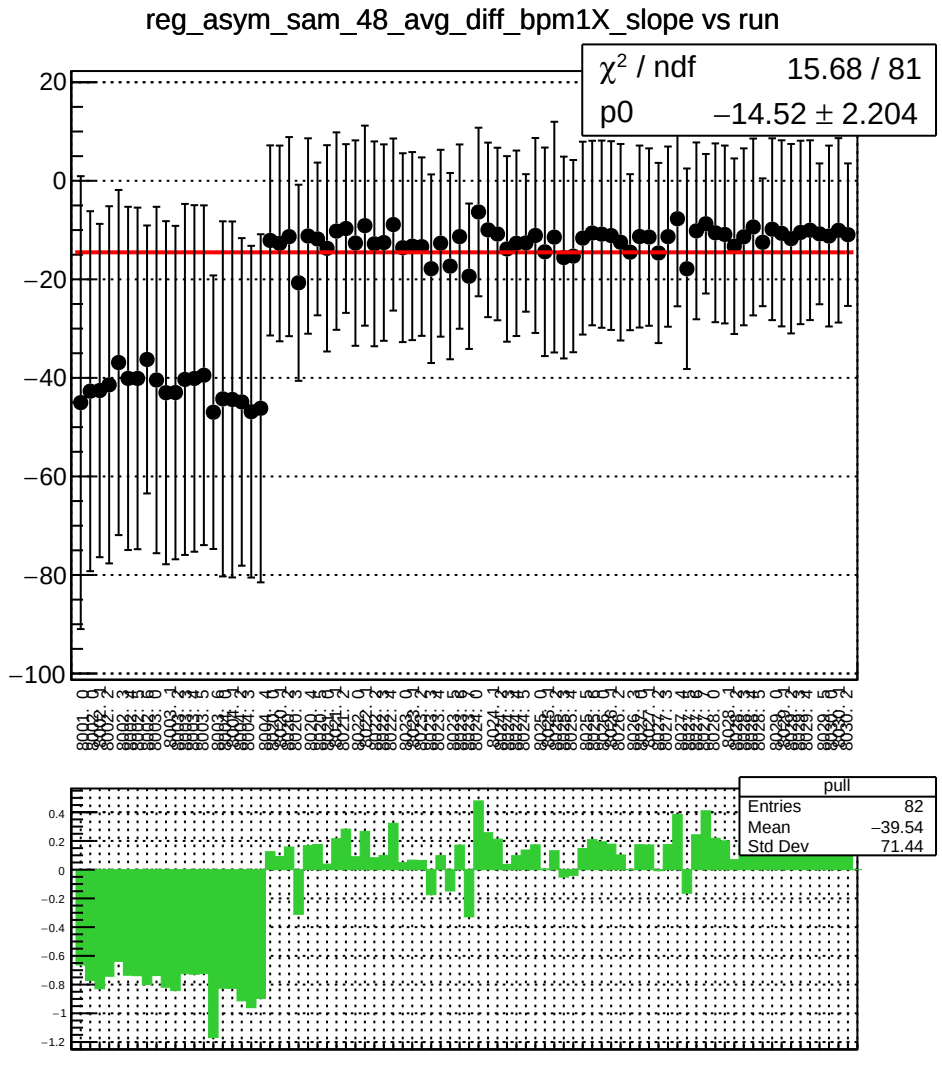

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.352 / 81
p0 −149.8 ± 4.869
pull
Entries 82
Mean −382.5
Std Dev 423.8
pull1D
Entries 82
Mean 0.01398
Std Dev 0.278

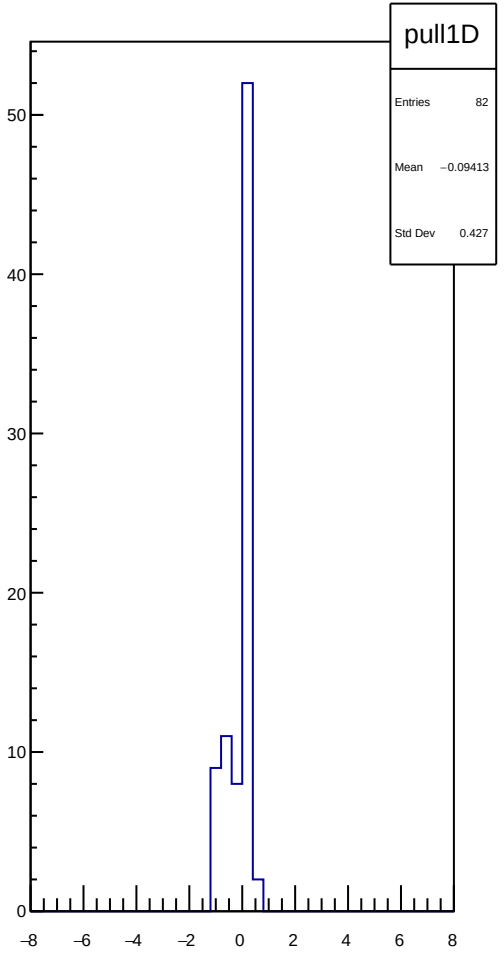

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.384 / 81
p0 −103.1± 3.202
−40
−60
−80
−100
−120
−140
pull
Entries 82
Mean −54.5
Std Dev 80.87
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

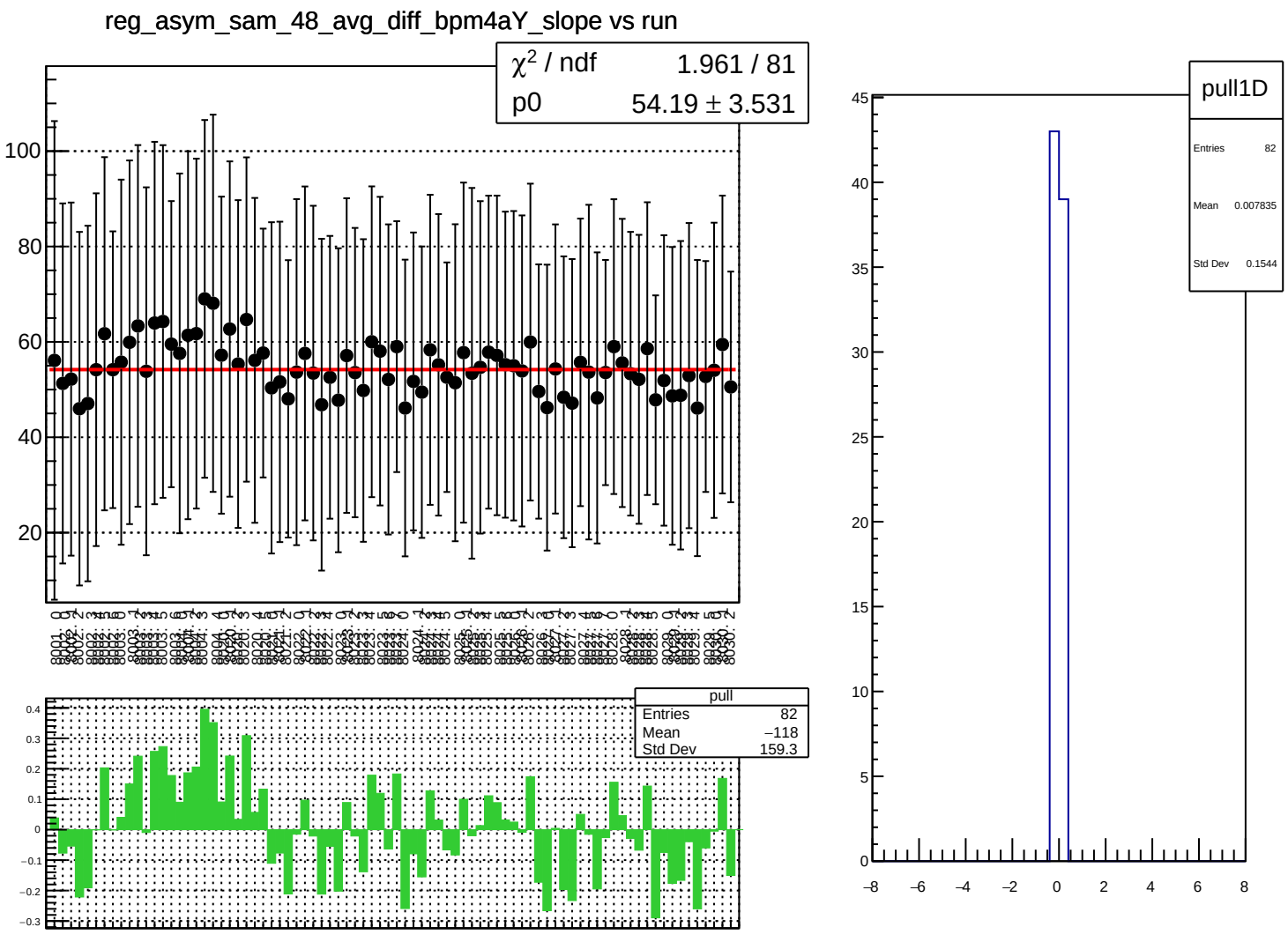

pull1D
Entries 82
Mean 0.03332
Std Dev 0.2288
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

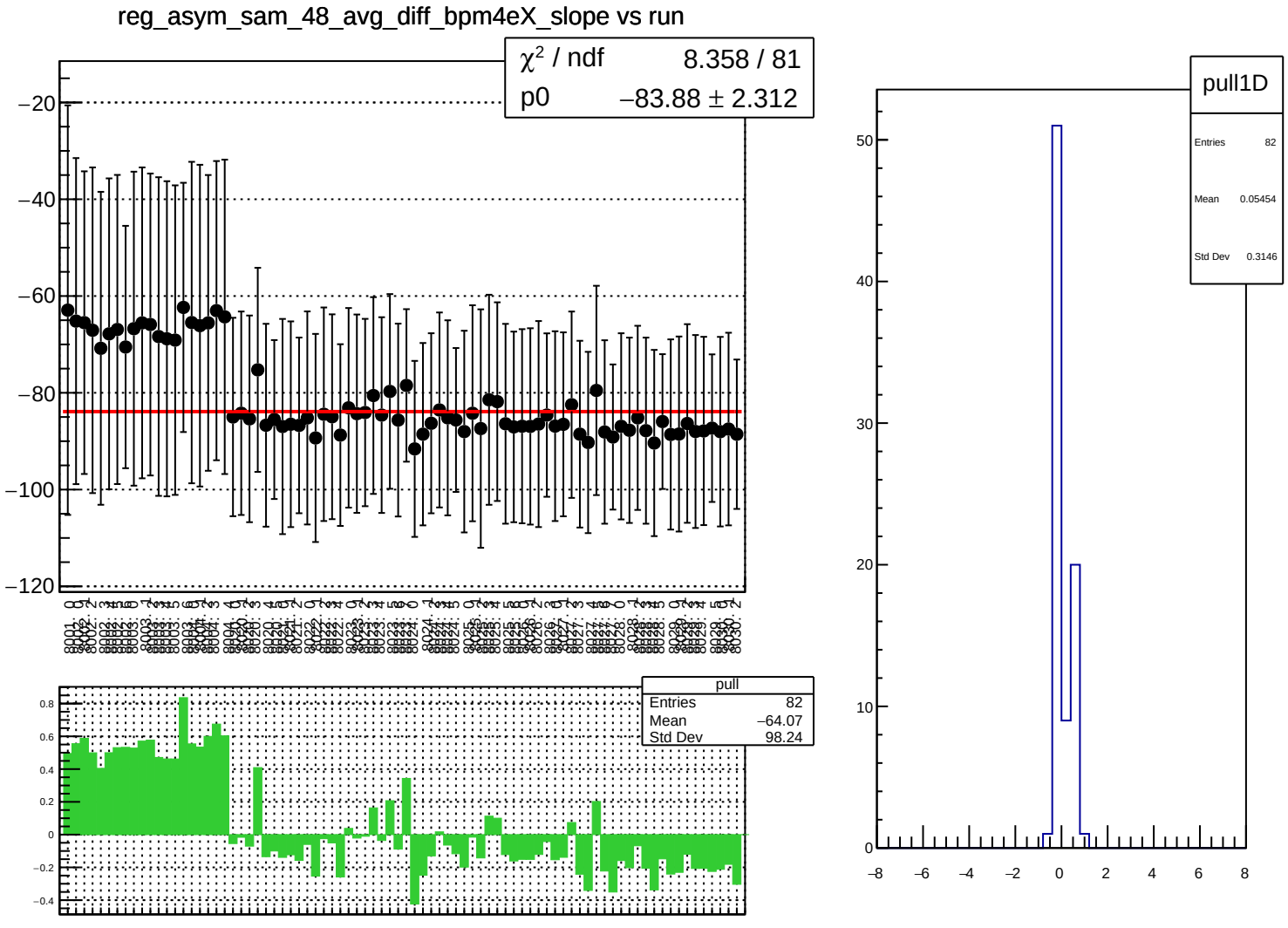

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.071 / 81
p0 1.275 ± 5.224
pull
Entries 82
Mean −313.7
Std Dev 357.2
pull1D
Entries 82
Mean −0.01188
Std Dev 0.2225

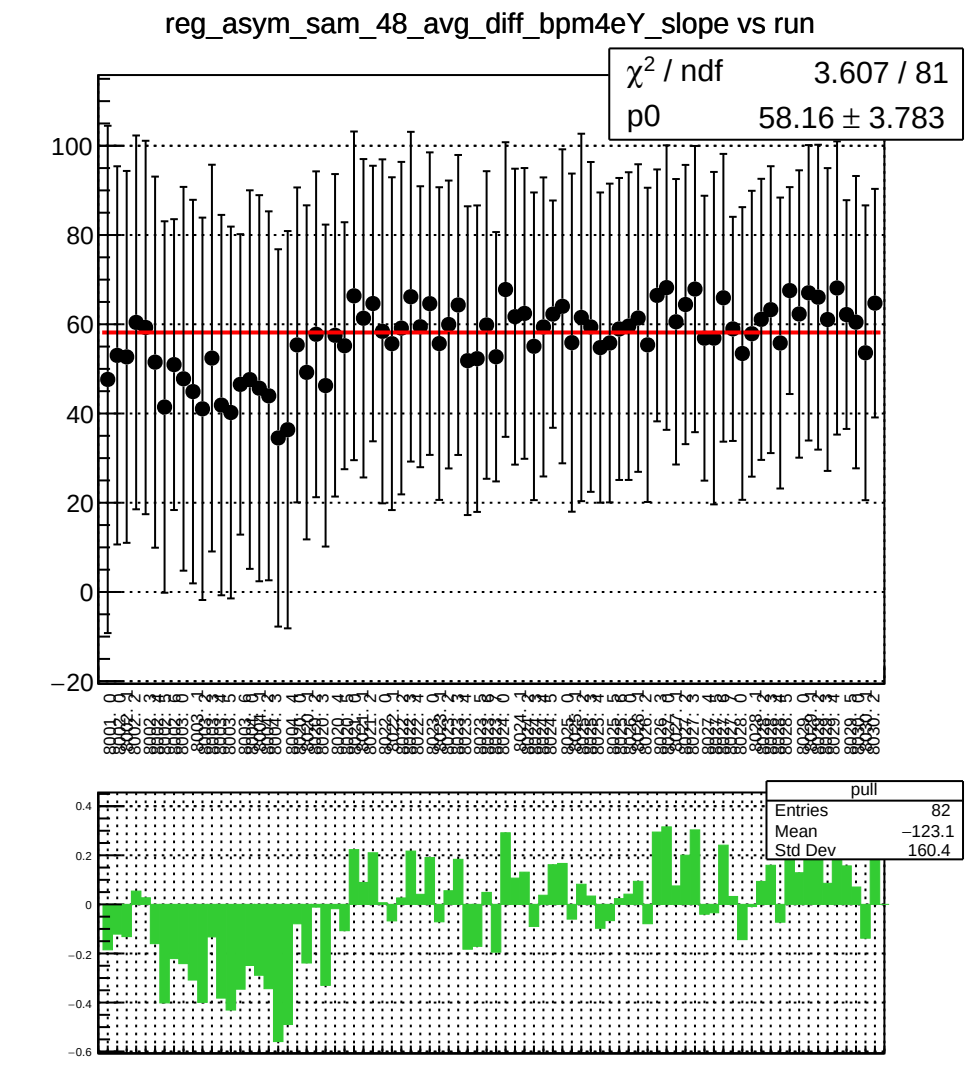

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 49.98 / 81
p0 2.342 ± 0.2421
pull
Entries 82
Mean 115.9
Std Dev 76.59
pull1D
Entries 82
Mean 0.19
Std Dev 0.7573

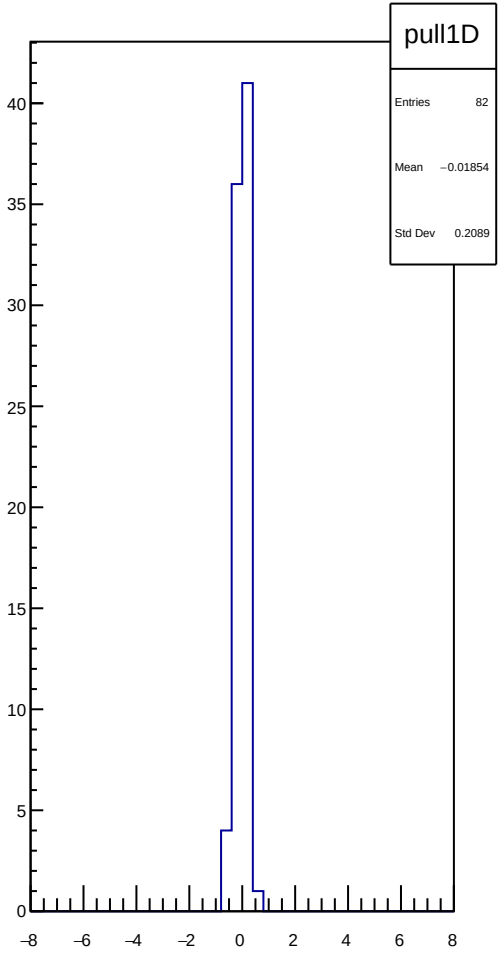

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 15.68 / 81
p0 −14.52 ± 2.204
pull
Entries 82
Mean −39.54
Std Dev 71.44

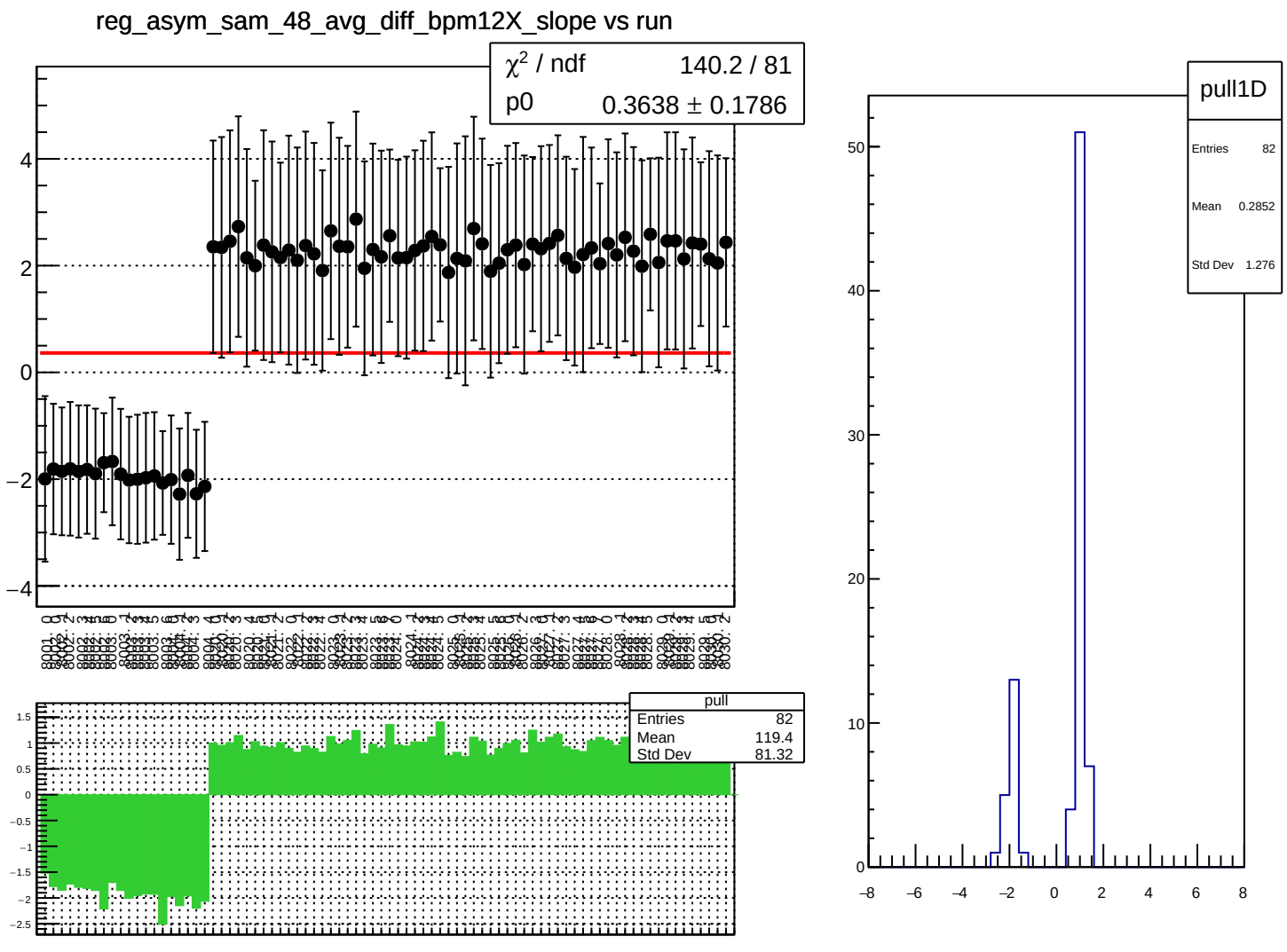

pull1D
Entries 82
Mean −0.09413
Std Dev 0.427

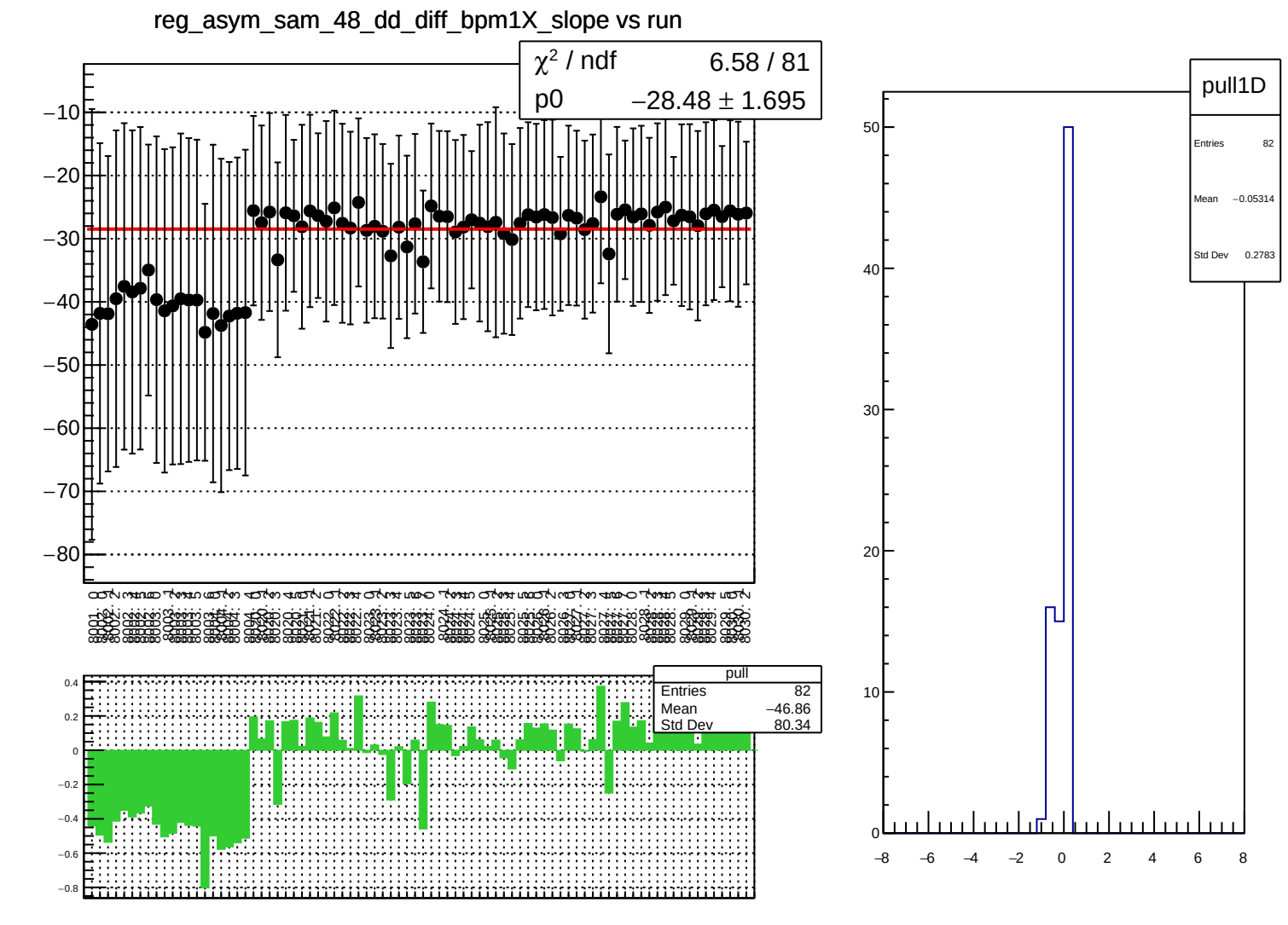

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.961 / 81
p0 54.19 ± 3.531
pull
Entries 82
Mean −118
Std Dev 159.3
pull1D
Entries 82
Mean 0.007835
Std Dev 0.1544

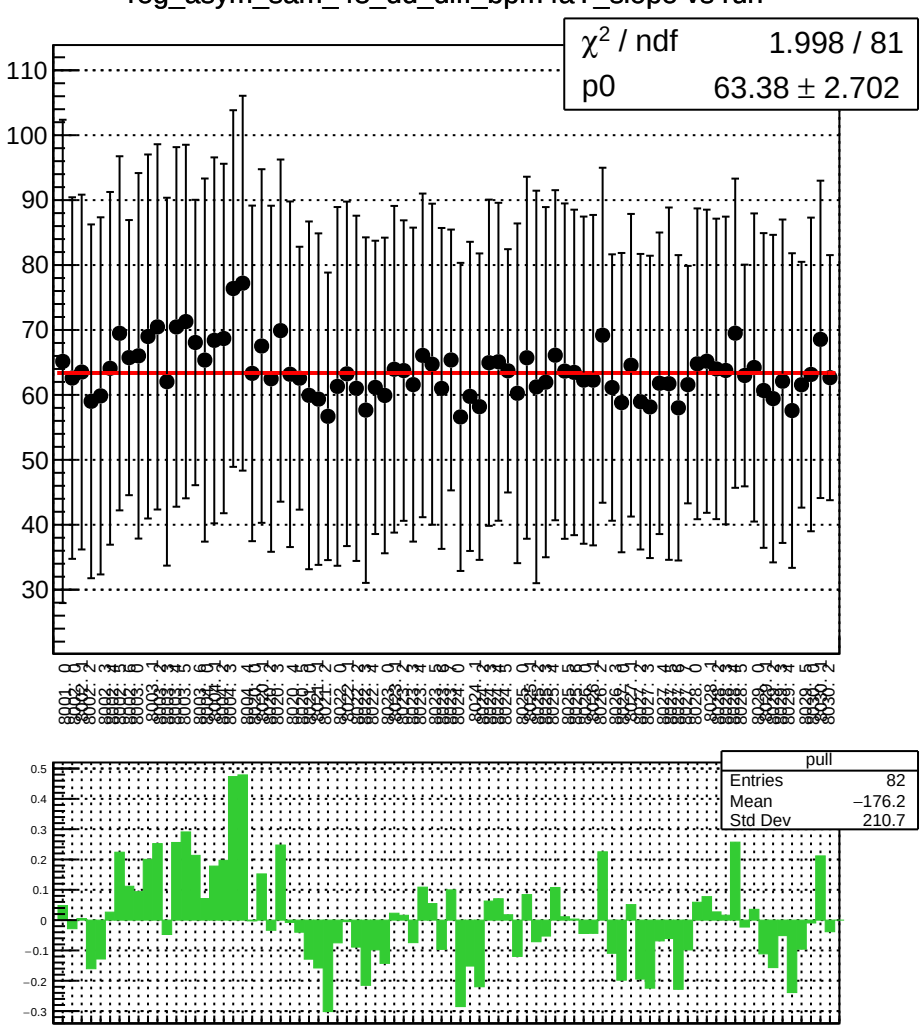

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.358 / 81
p0 −83.88 ± 2.312
pull
Entries 82
Mean −64.07
Std Dev 98.24
pull1D
Entries 82
Mean 0.05454
Std Dev 0.3146

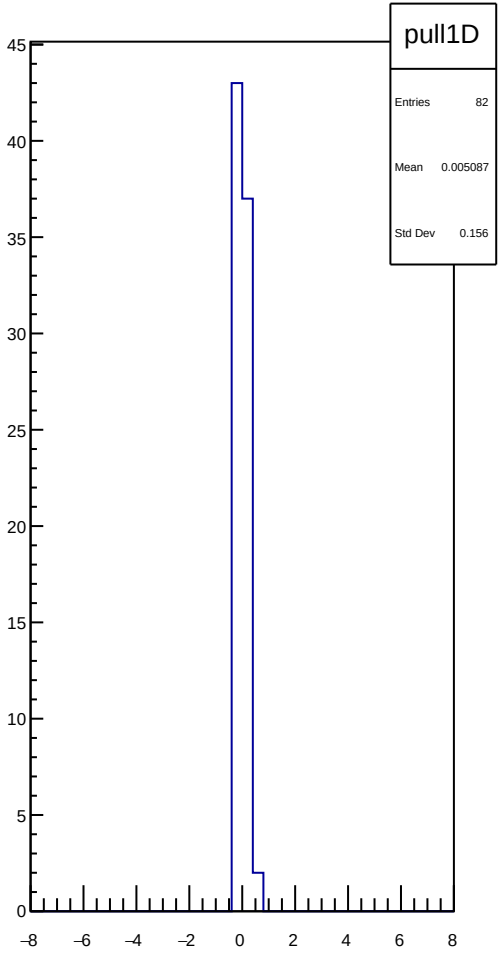

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.607 / 81
p0 58.16 ± 3.783
pull
Entries 82
Mean −123.1
Std Dev 160.4

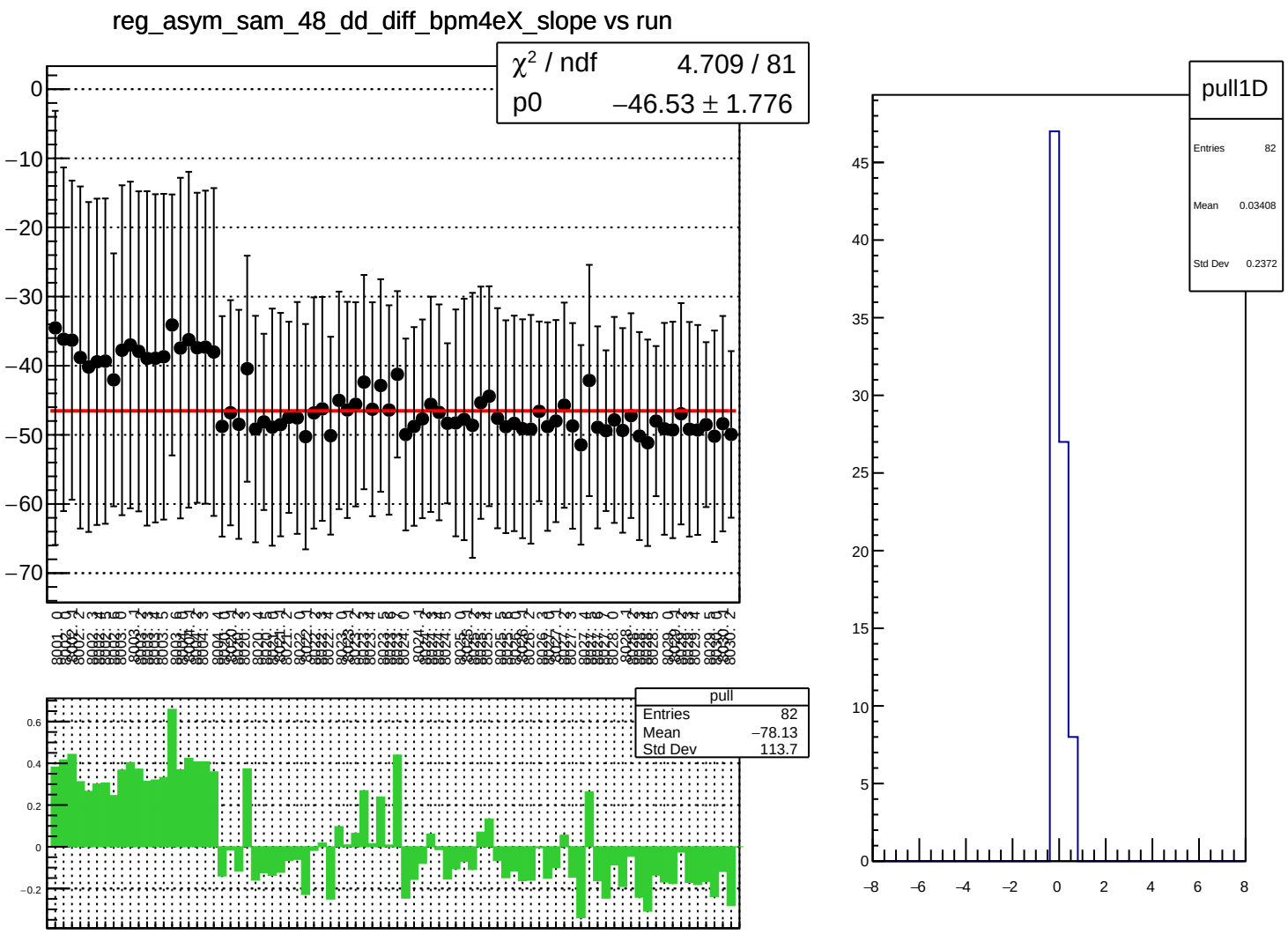

pull1D
Entries 82
Mean −0.01854
Std Dev 0.2089

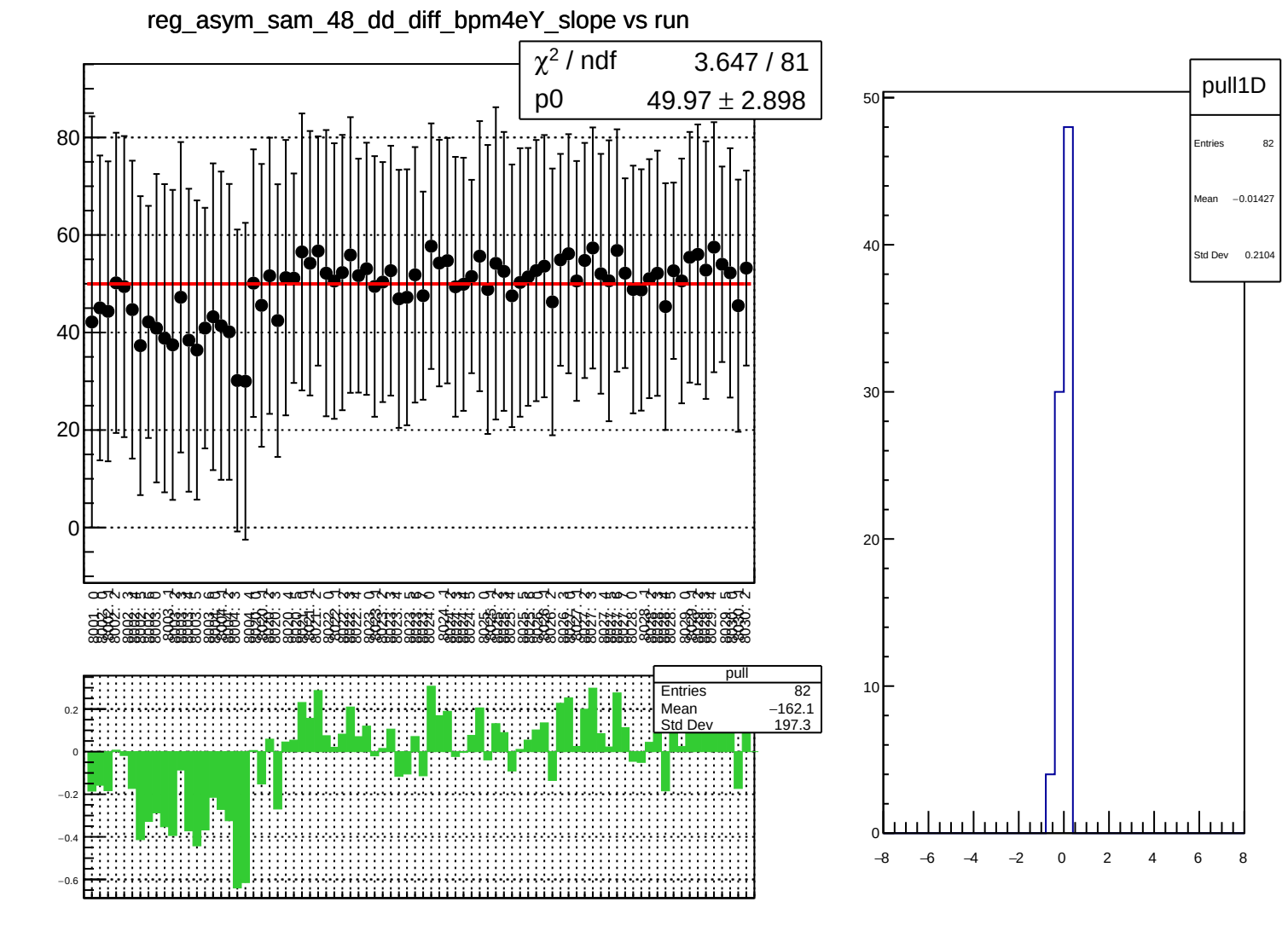

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 140.2 / 81
p0 0.3638 ± 0.1786
pull
Entries 82
Mean 119.4
Std Dev 81.32
pull1D
Entries 82
Mean 0.2852
Std Dev 1.276

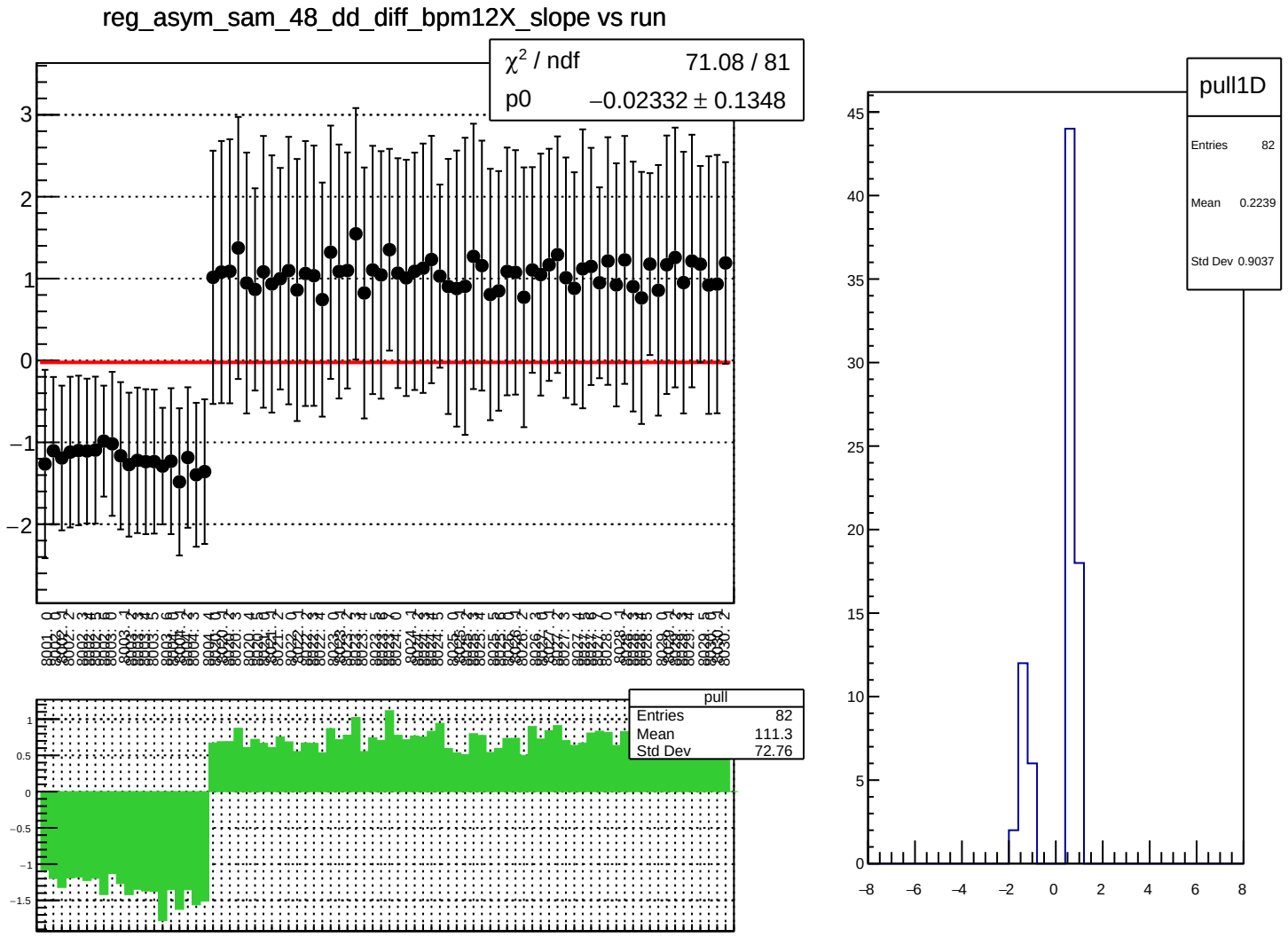

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.58 / 81
p0 −28.48 ± 1.695
pull
Entries 82
Mean −46.86
Std Dev 80.34
pull1D
Entries 82
Mean −0.05314
Std Dev 0.2783

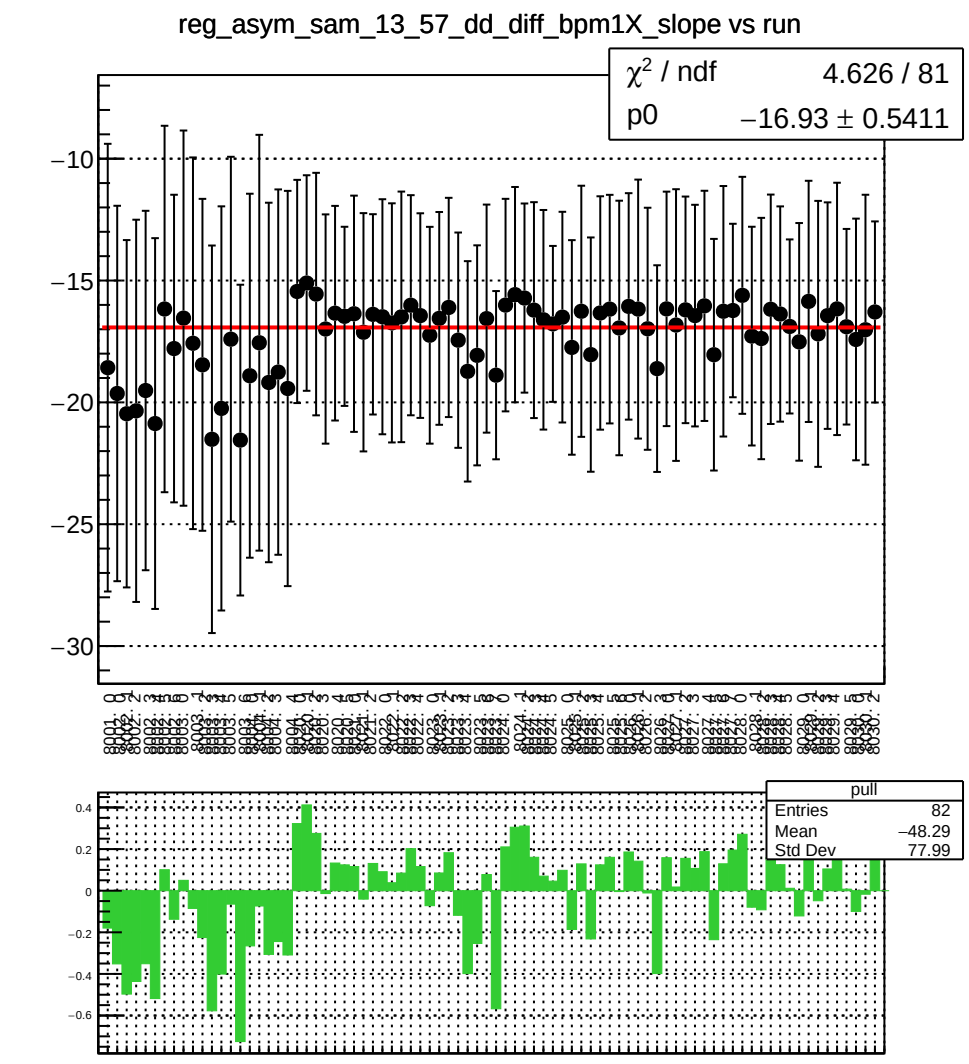

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.998 / 81
p0 63.38 ± 2.702
pull
Entries 82
Mean −176.2
Std Dev 210.7

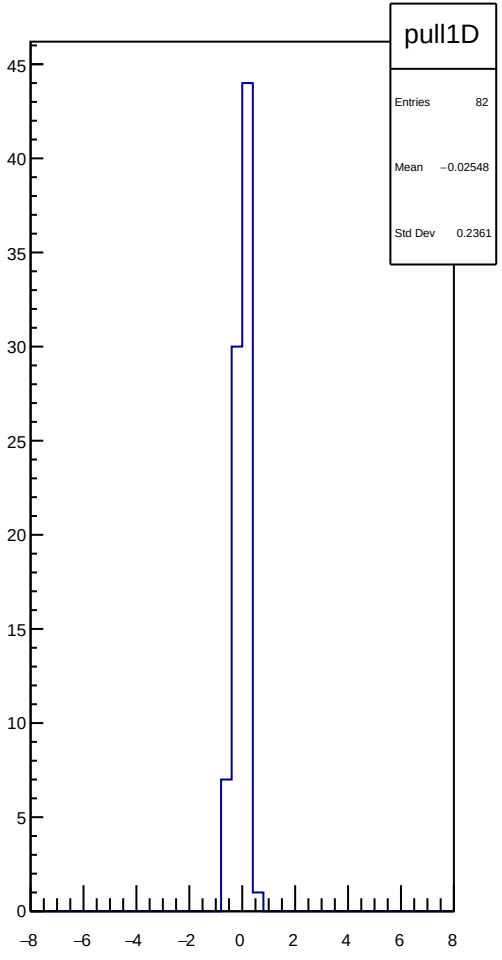

pull1D
Entries 82
Mean 0.005087
Std Dev 0.156

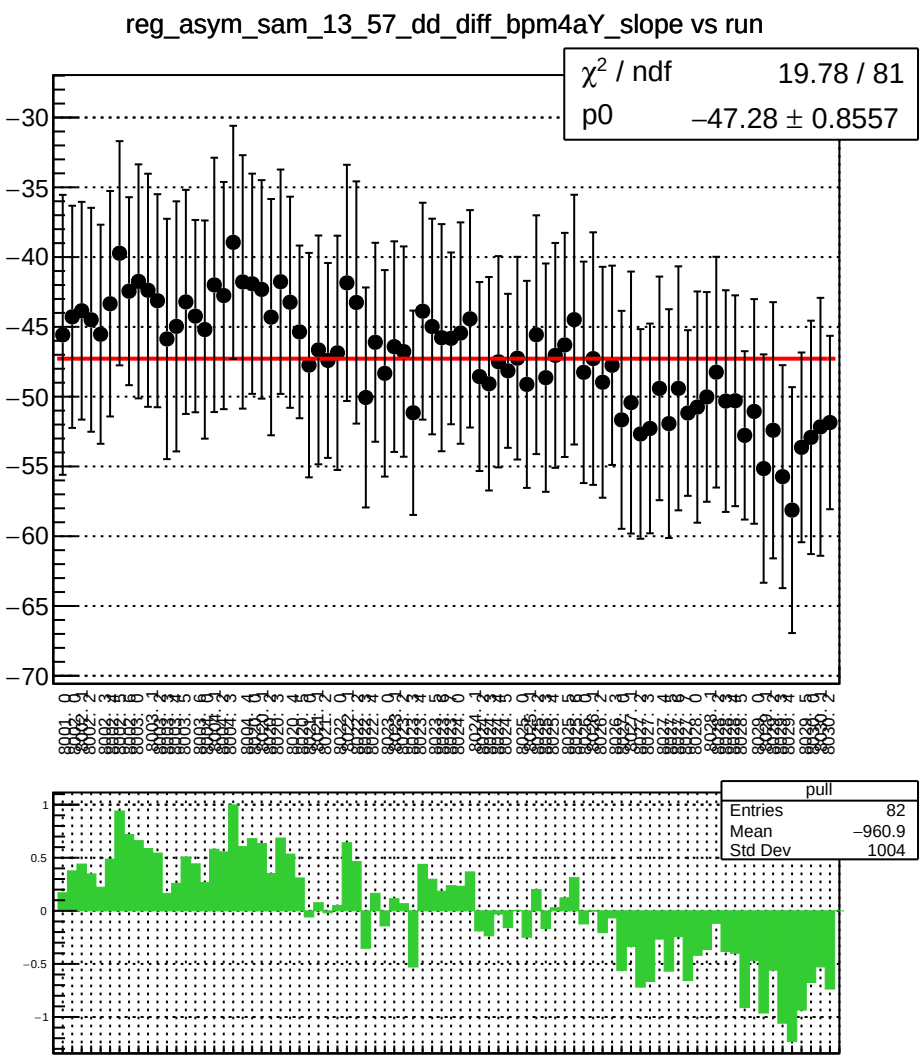

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.709 / 81
p0 −46.53 ± 1.776
pull
Entries 82
Mean −78.13
Std Dev 113.7
pull1D
Entries 82
Mean 0.03408
Std Dev 0.2372

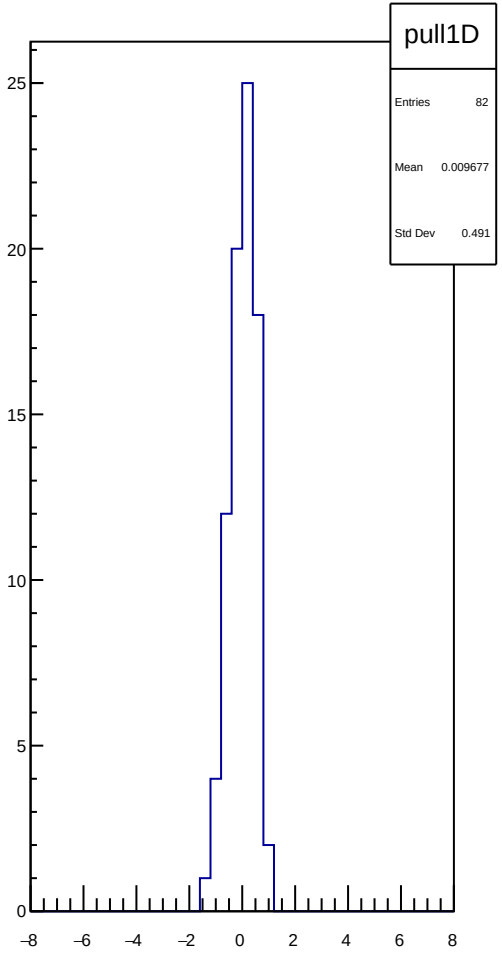

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.647 / 81
p0 49.97 ± 2.898
pull
Entries 82
Mean −162.1
Std Dev 197.3
pull1D
Entries 82
Mean −0.01427
Std Dev 0.2104

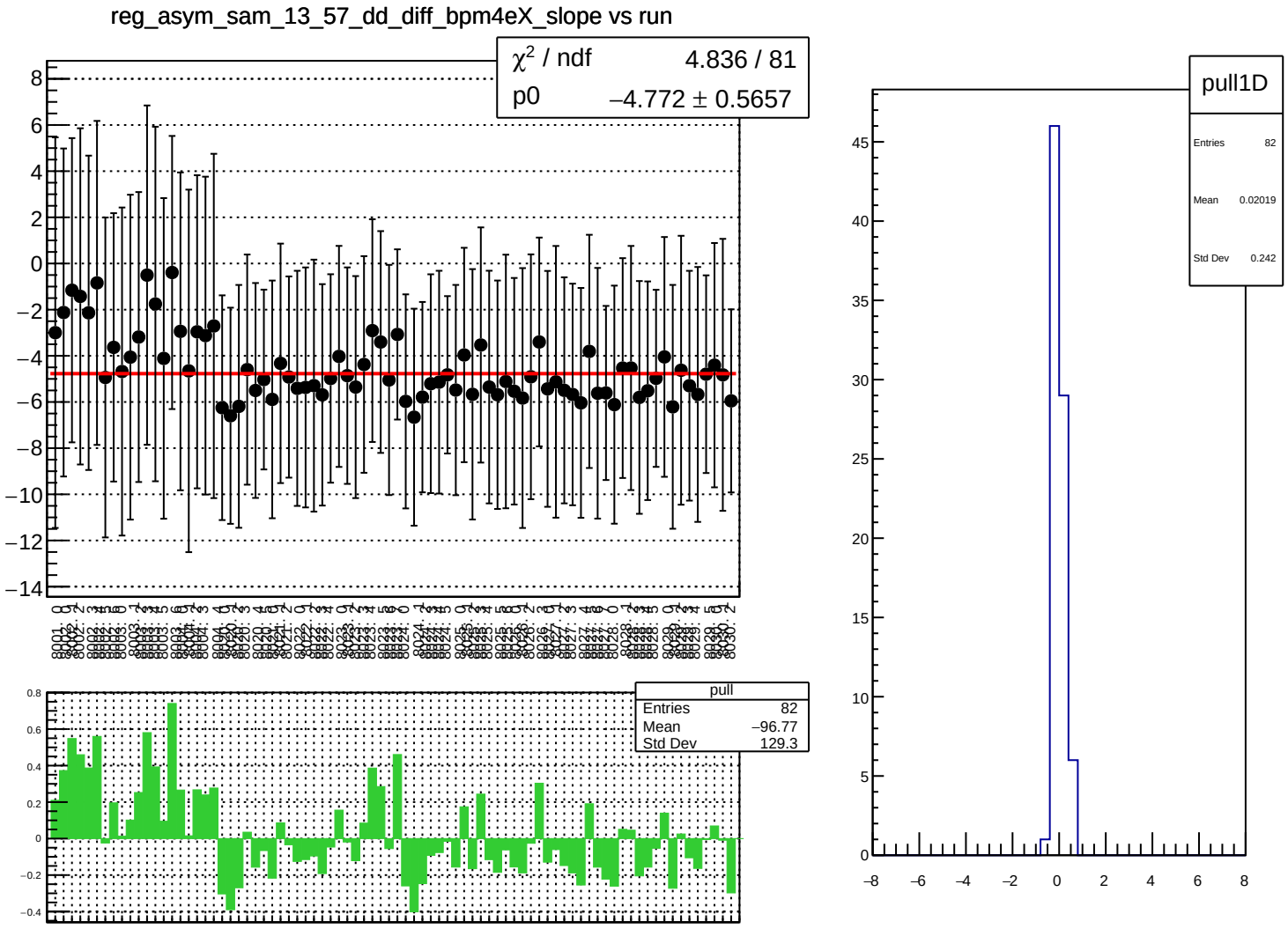

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 71.08 / 81
p0 −0.02332 ± 0.1348
pull
Entries 82
Mean 111.3
Std Dev 72.76
pull1D
Entries 82
Mean 0.2239
Std Dev 0.9037

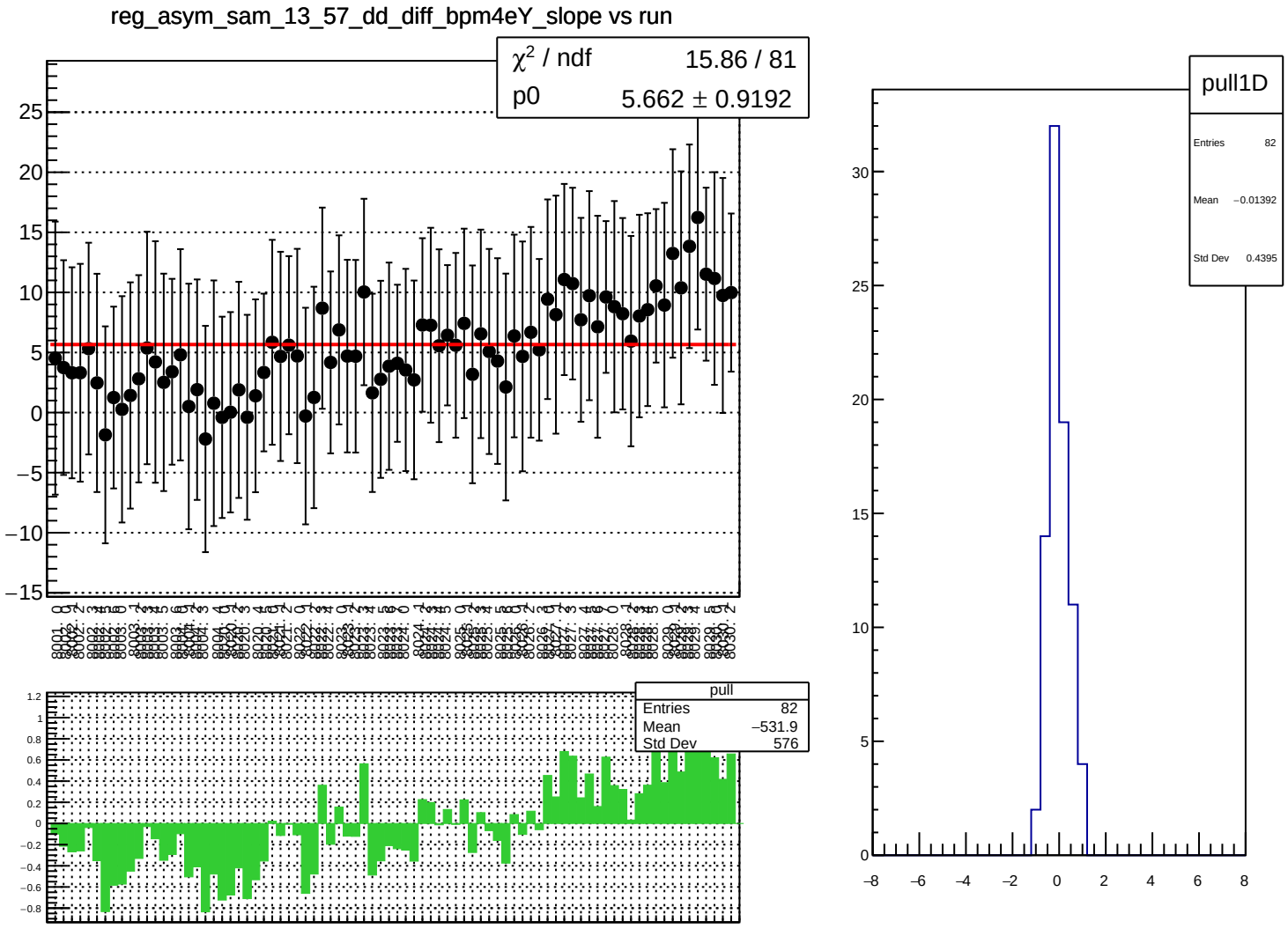

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 4.626 / 81
p0 −16.93 ± 0.5411
pull
Entries 82
Mean −48.29
Std Dev 77.99

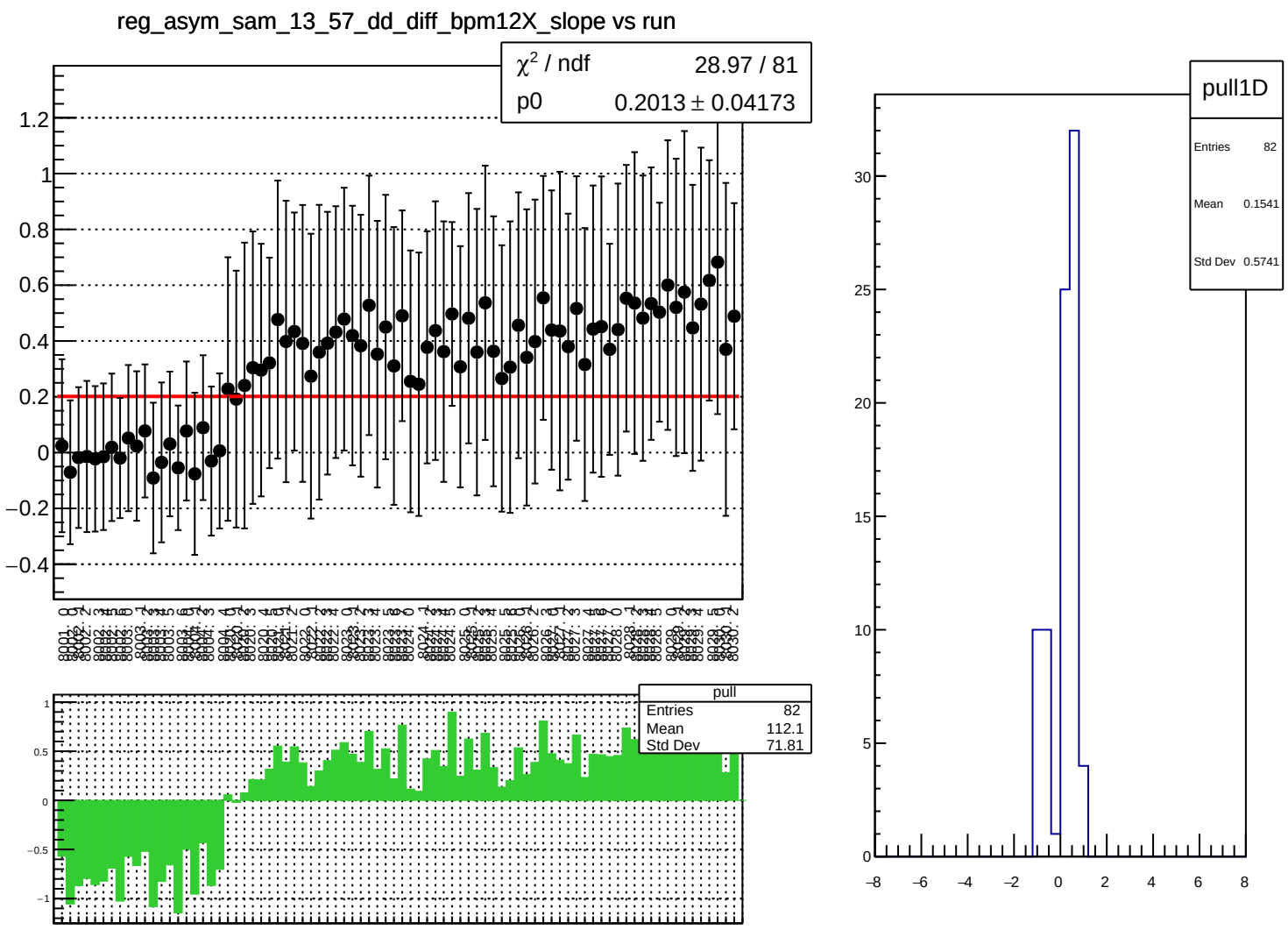

pull1D
Entries 82
Mean −0.02548
Std Dev 0.2361

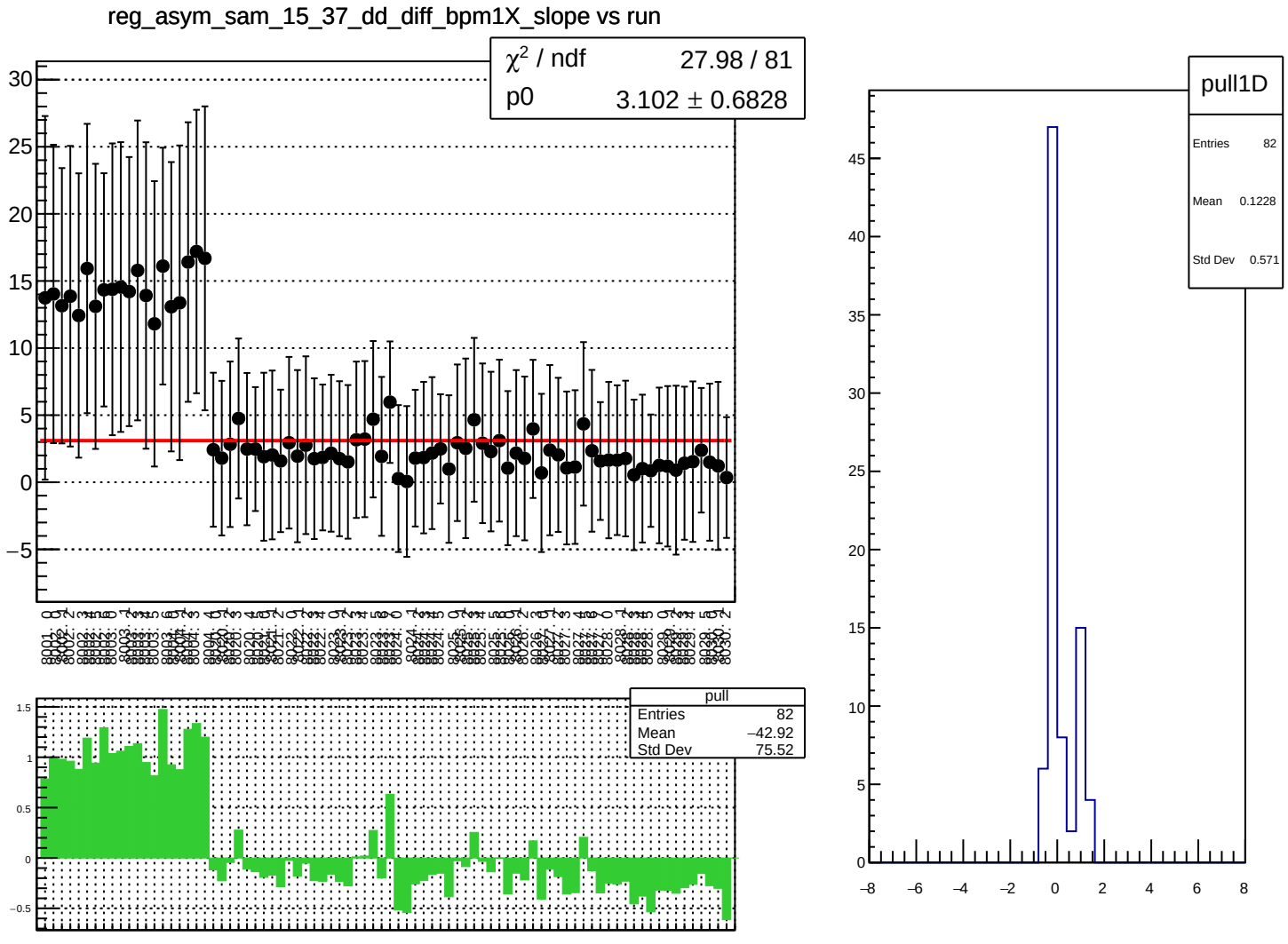

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.78 / 81
p0 −47.28 ± 0.8557
pull
Entries 82
Mean −960.9
Std Dev 1004

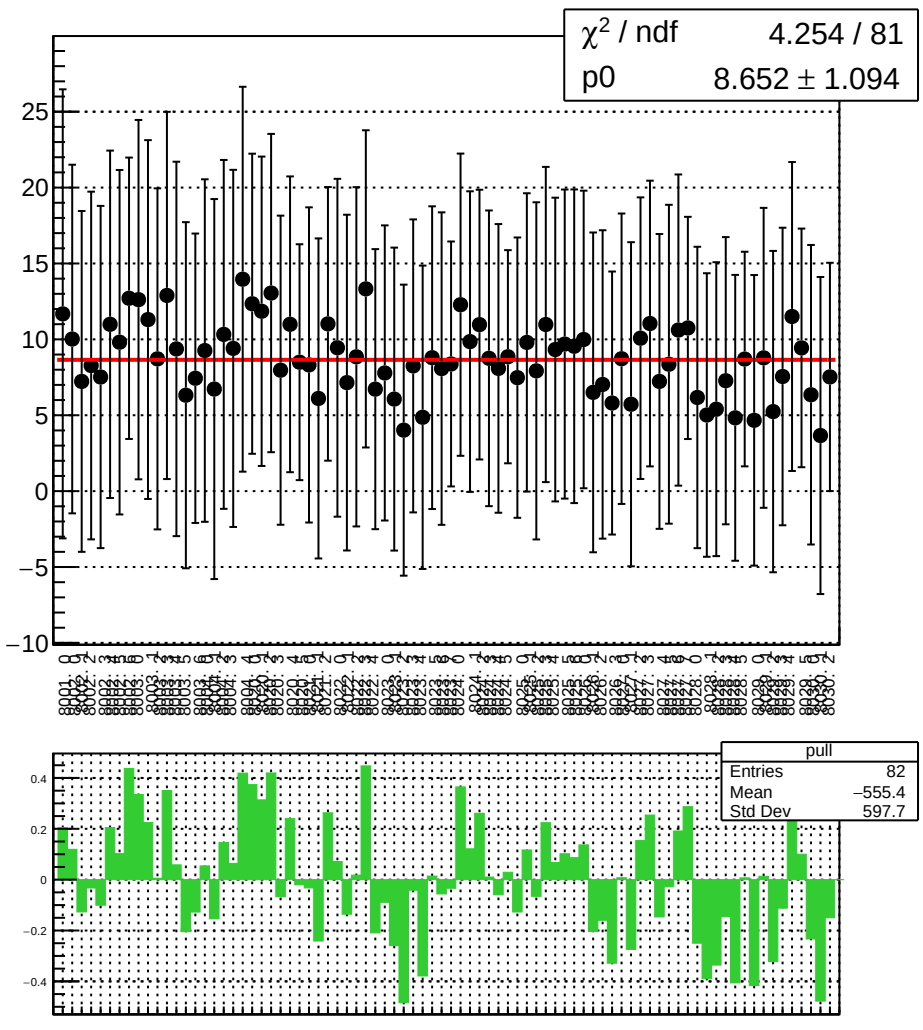

pull1D
Entries 82
Mean 0.009677
Std Dev 0.491

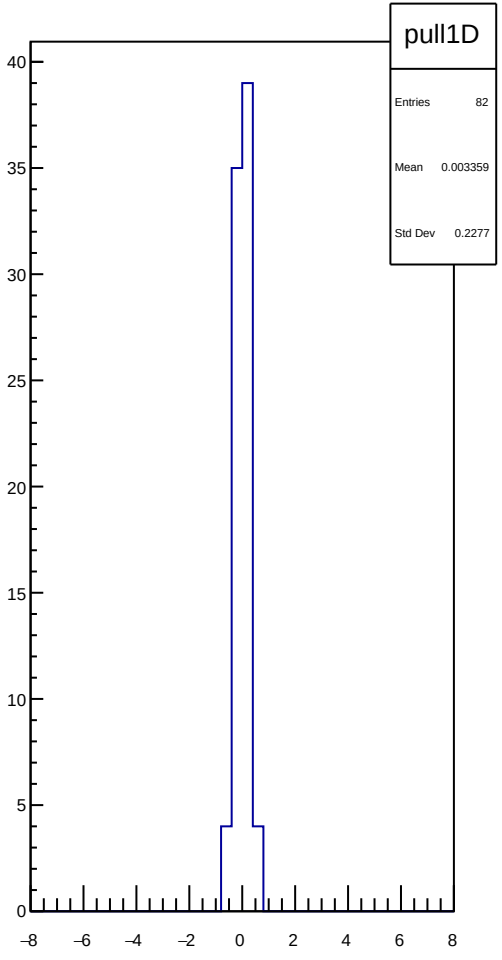

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.836 / 81
p0 −4.772 ± 0.5657
pull
Entries 82
Mean −96.77
Std Dev 129.3
pull1D
Entries 82
Mean 0.02019
Std Dev 0.242

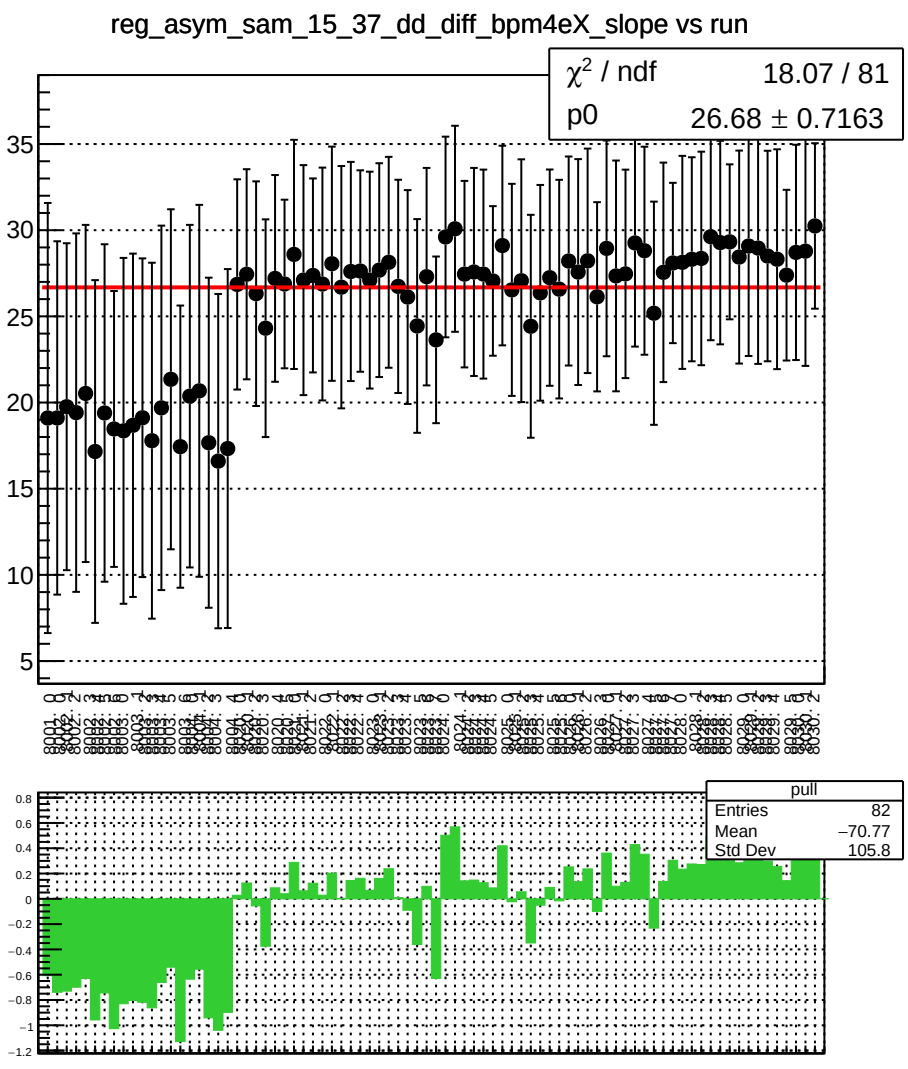

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.86 / 81
p0 5.662 ± 0.9192
pull
Entries 82
Mean −531.9
Std Dev 576
pull1D
Entries 82
Mean −0.01392
Std Dev 0.4395

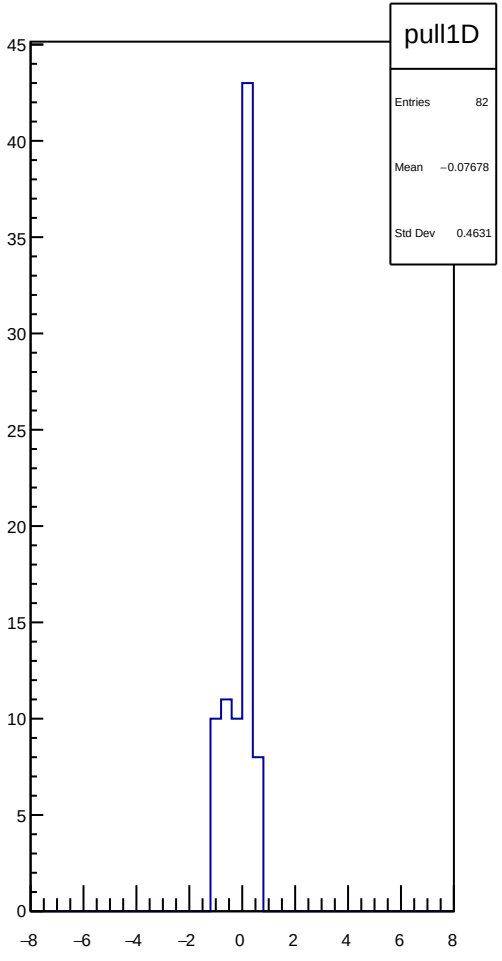

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 28.97 / 81
p0 0.2013 ± 0.04173
pull
Entries 82
Mean 112.1
Std Dev 71.81
pull1D
Entries 82
Mean 0.1541
Std Dev 0.5741

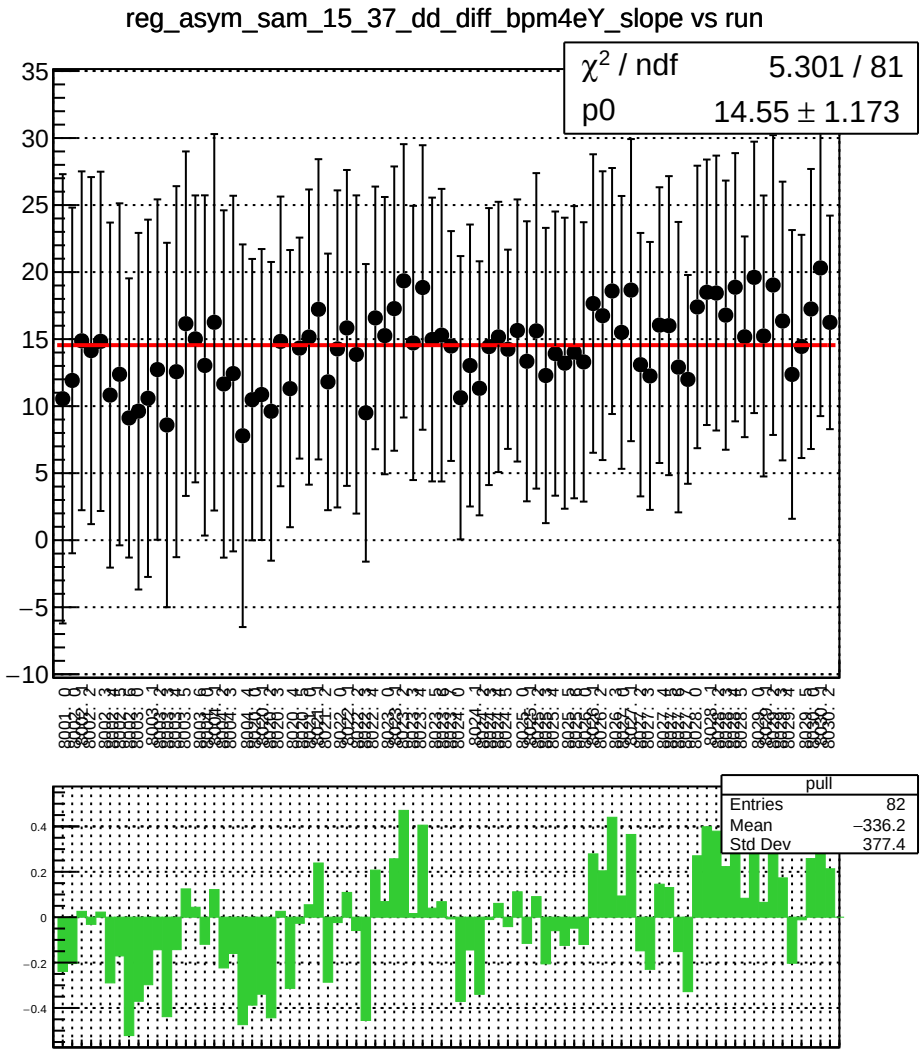

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 27.98 / 81
p0 3.102 ± 0.6828
pull
Entries 82
Mean −42.92
Std Dev 75.52
pull1D
Entries 82
Mean 0.1228
Std Dev 0.571

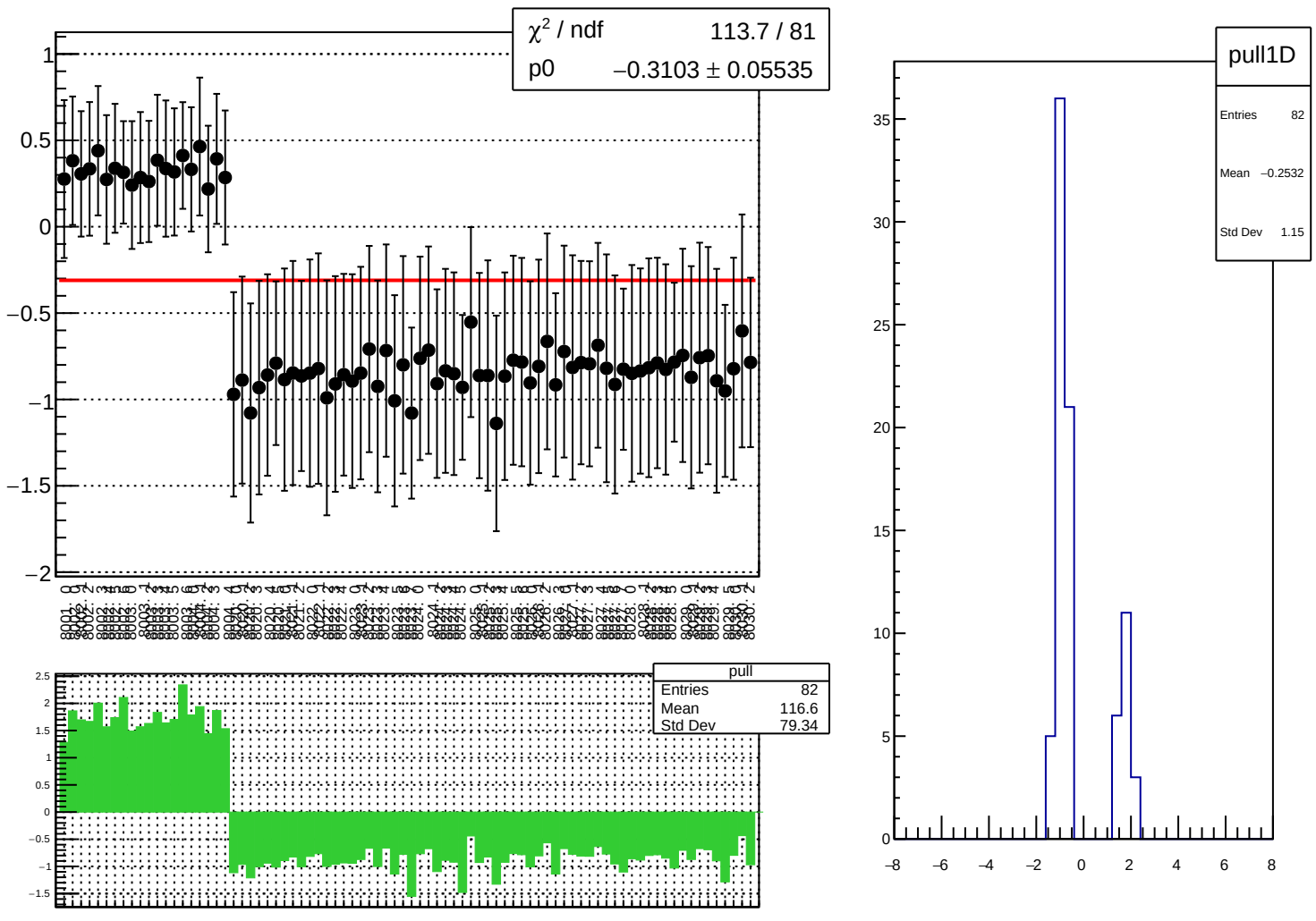

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.254 / 81
p0 8.652 ± 1.094
pull
Entries 82
Mean −555.4
Std Dev 597.7

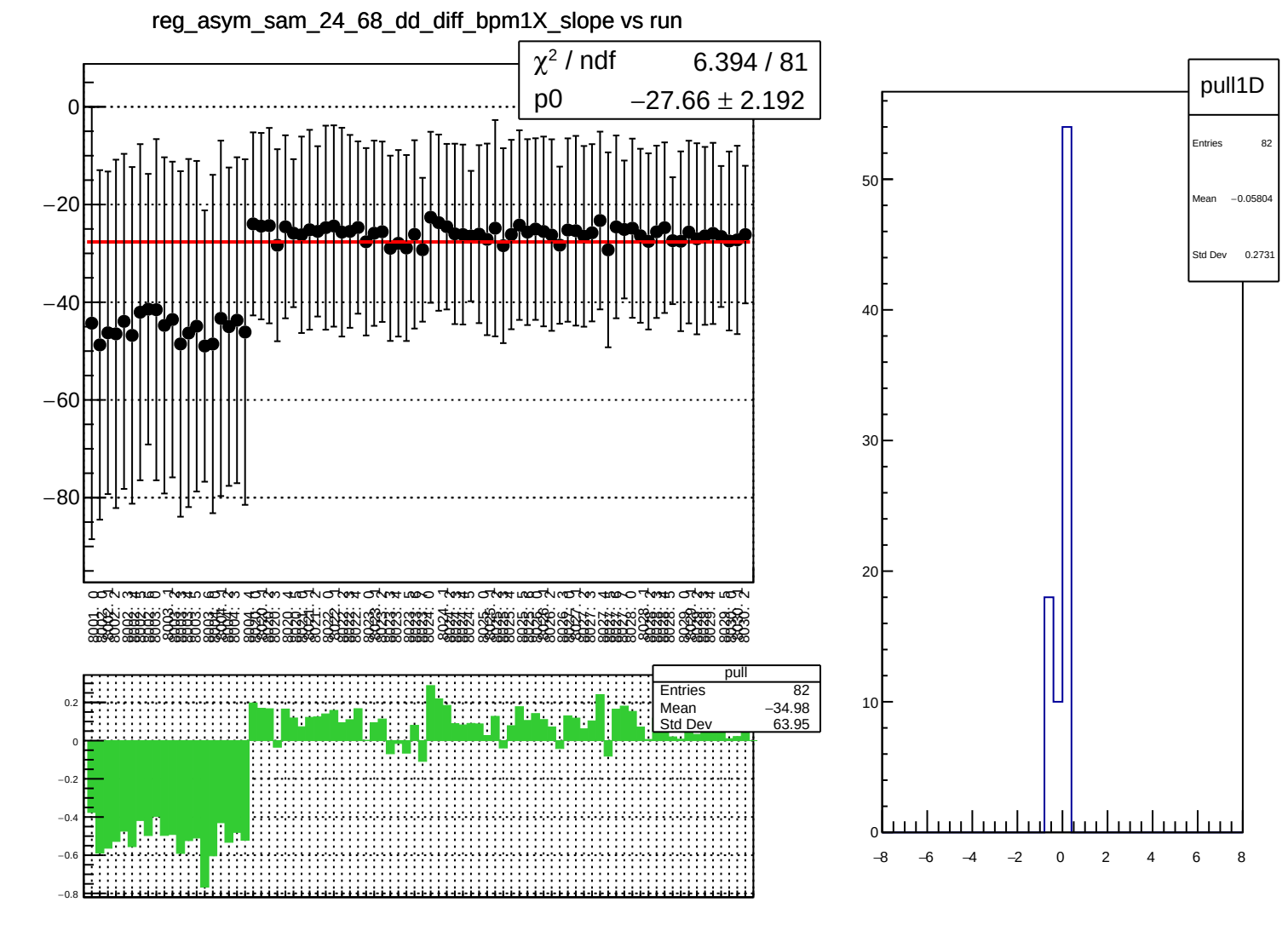

pull1D
Entries 82
Mean 0.003359
Std Dev 0.2277

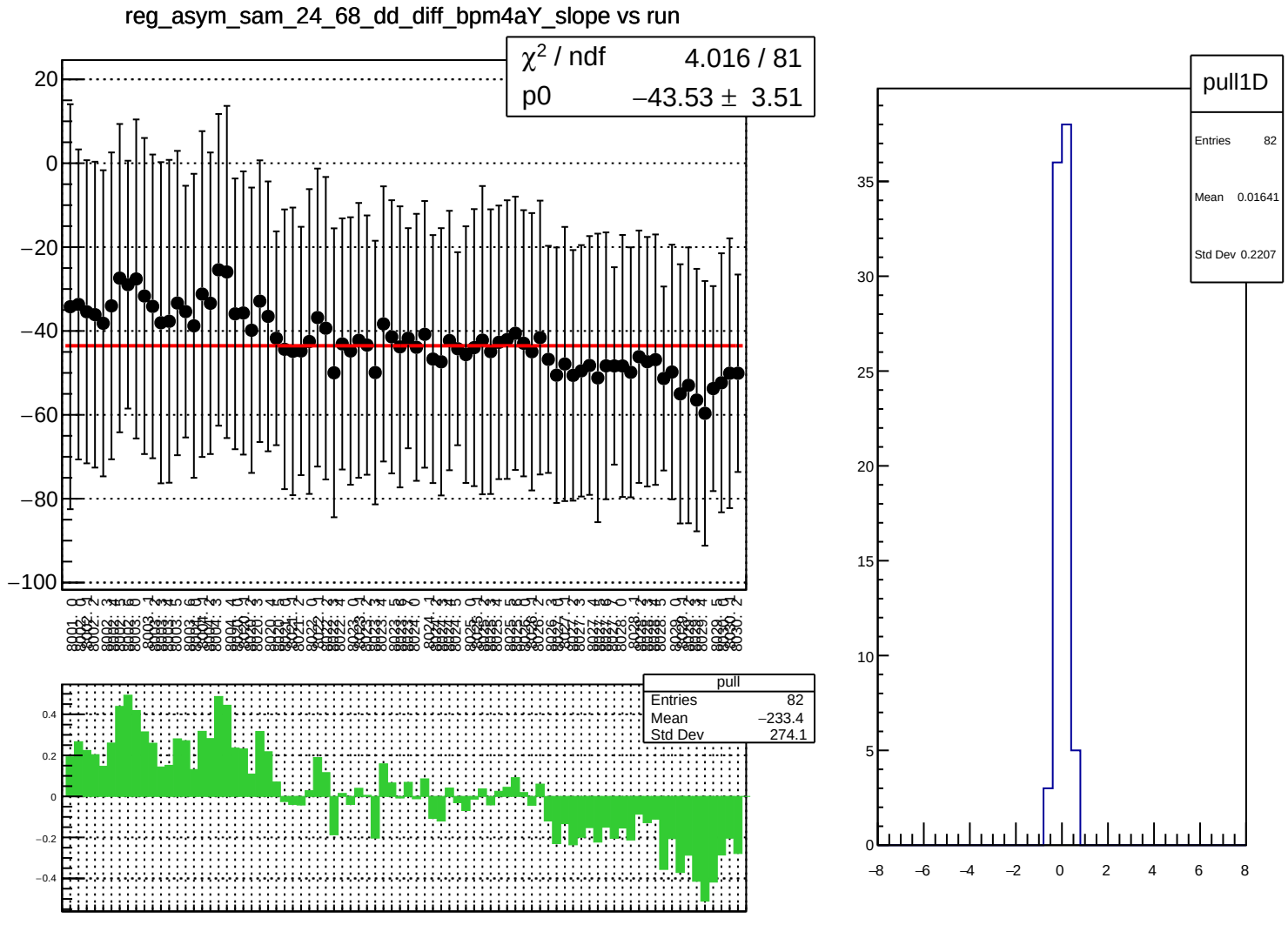

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.07 / 81
p0 26.68 ± 0.7163
pull
Entries 82
Mean −70.77
Std Dev 105.8

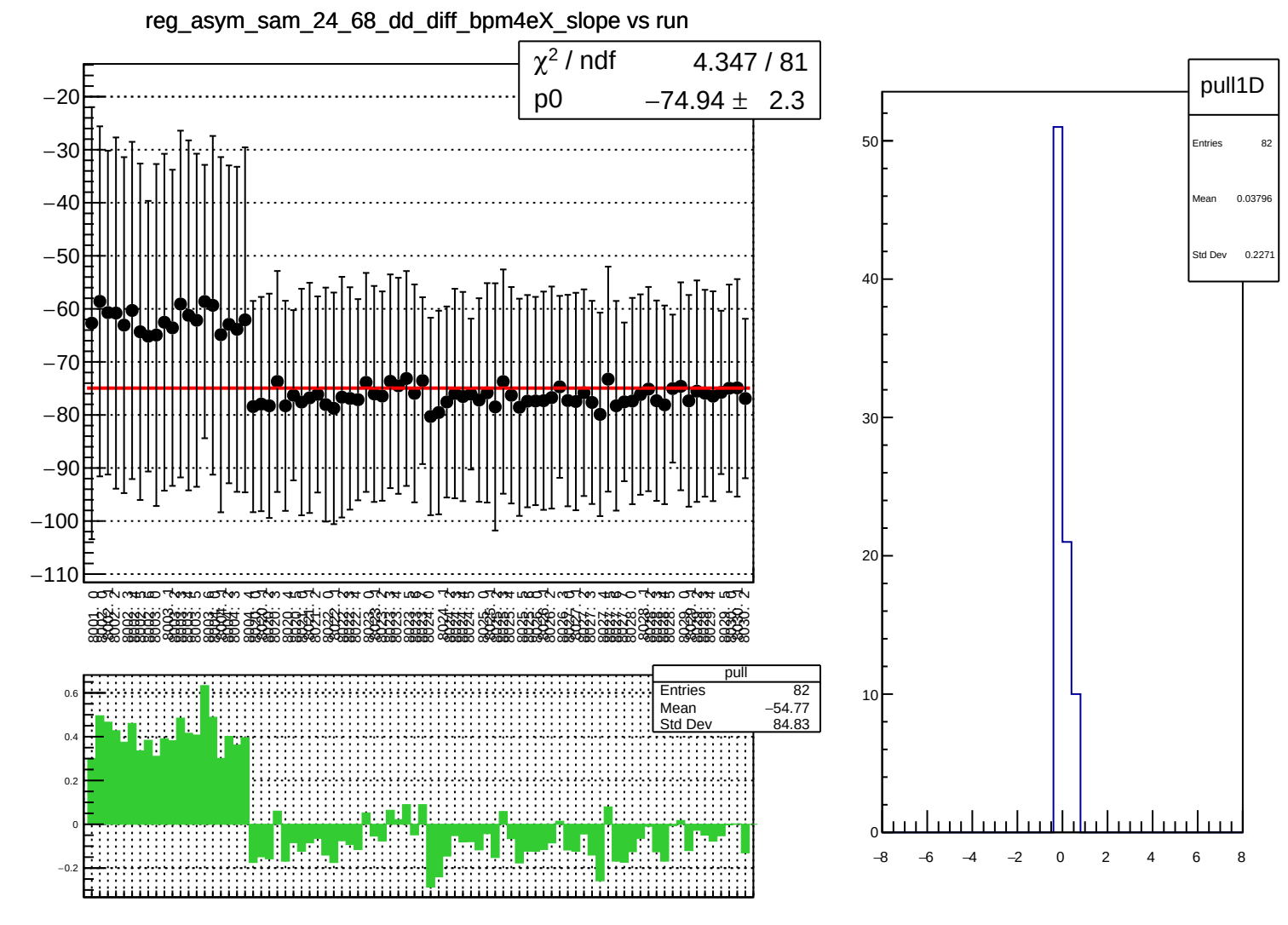

pull1D
Entries 82
Mean −0.07678
Std Dev 0.4631

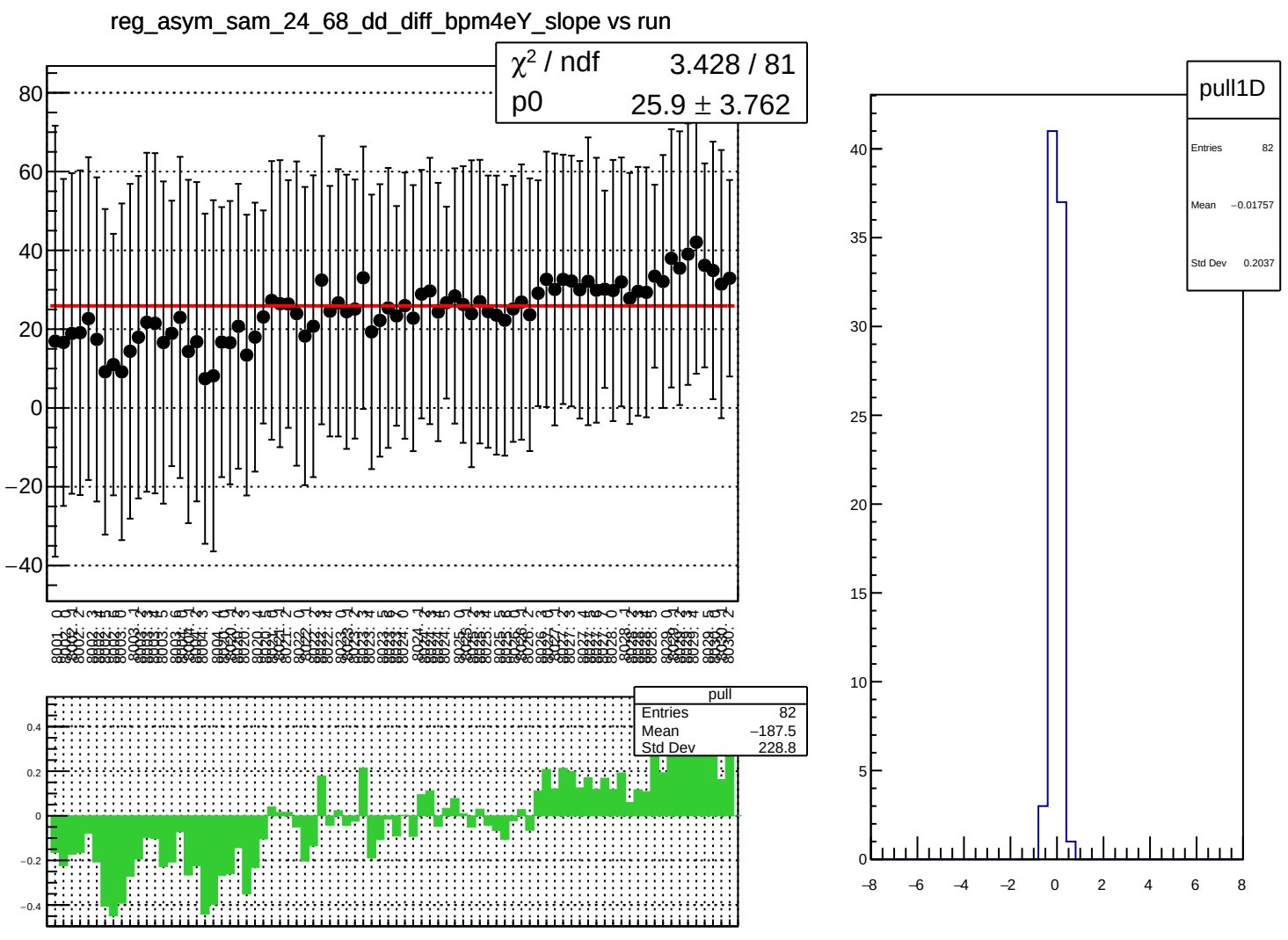

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.301 / 81
p0 14.55 ± 1.173
pull
Entries 82
Mean −336.2
Std Dev 377.4
pull1D
Entries 82
Mean −0.008267
Std Dev 0.2541

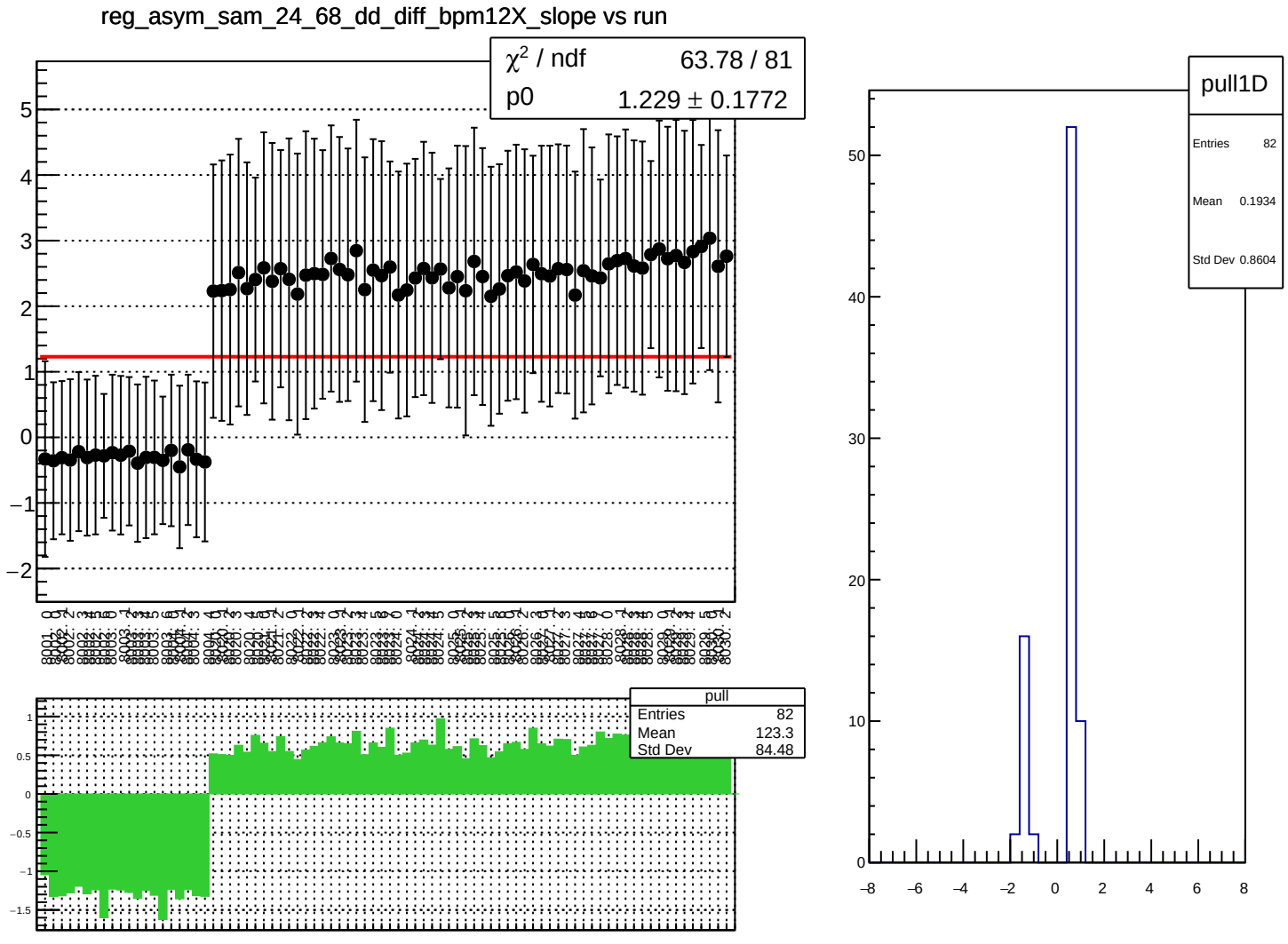

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 113.7 / 81
p0 −0.3103 ± 0.05535
pull
Entries 82
Mean 116.6
Std Dev 79.34
pull1D
Entries 82
Mean −0.2532
Std Dev 1.15

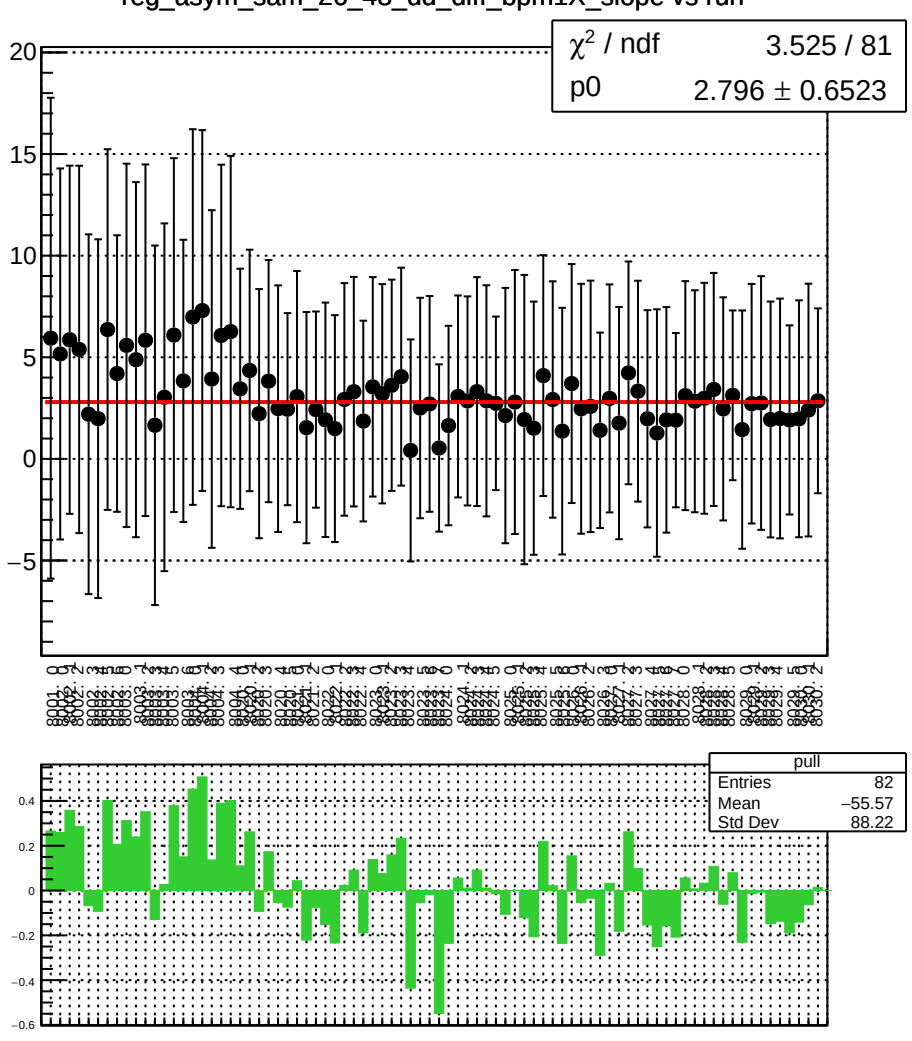

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 6.394 / 81
p0 −27.66 ± 2.192
pull
Entries 82
Mean −34.98
Std Dev 63.95
pull1D
Entries 82
Mean −0.05804
Std Dev 0.2731

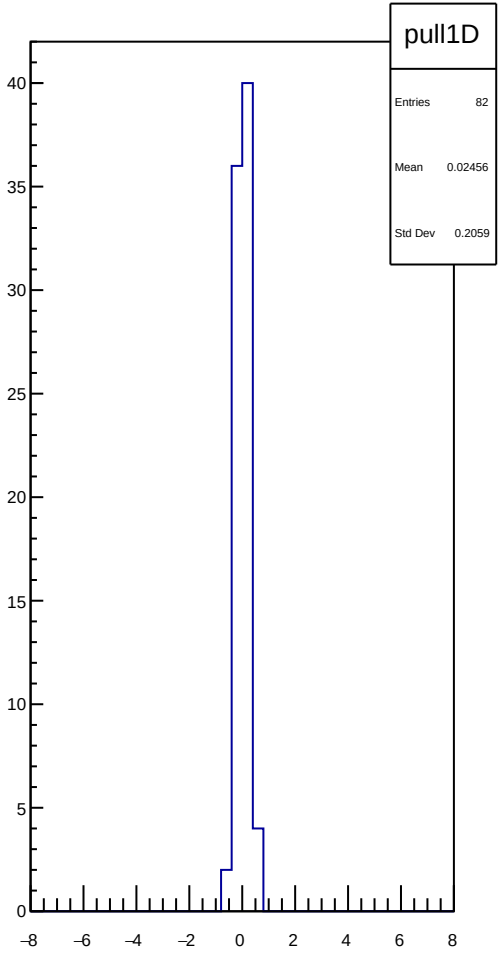

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.016 / 81
p0 −43.53 ± 3.51
pull
Entries 82
Mean −233.4
Std Dev 274.1
pull1D
Entries 82
Mean 0.01641
Std Dev 0.2207

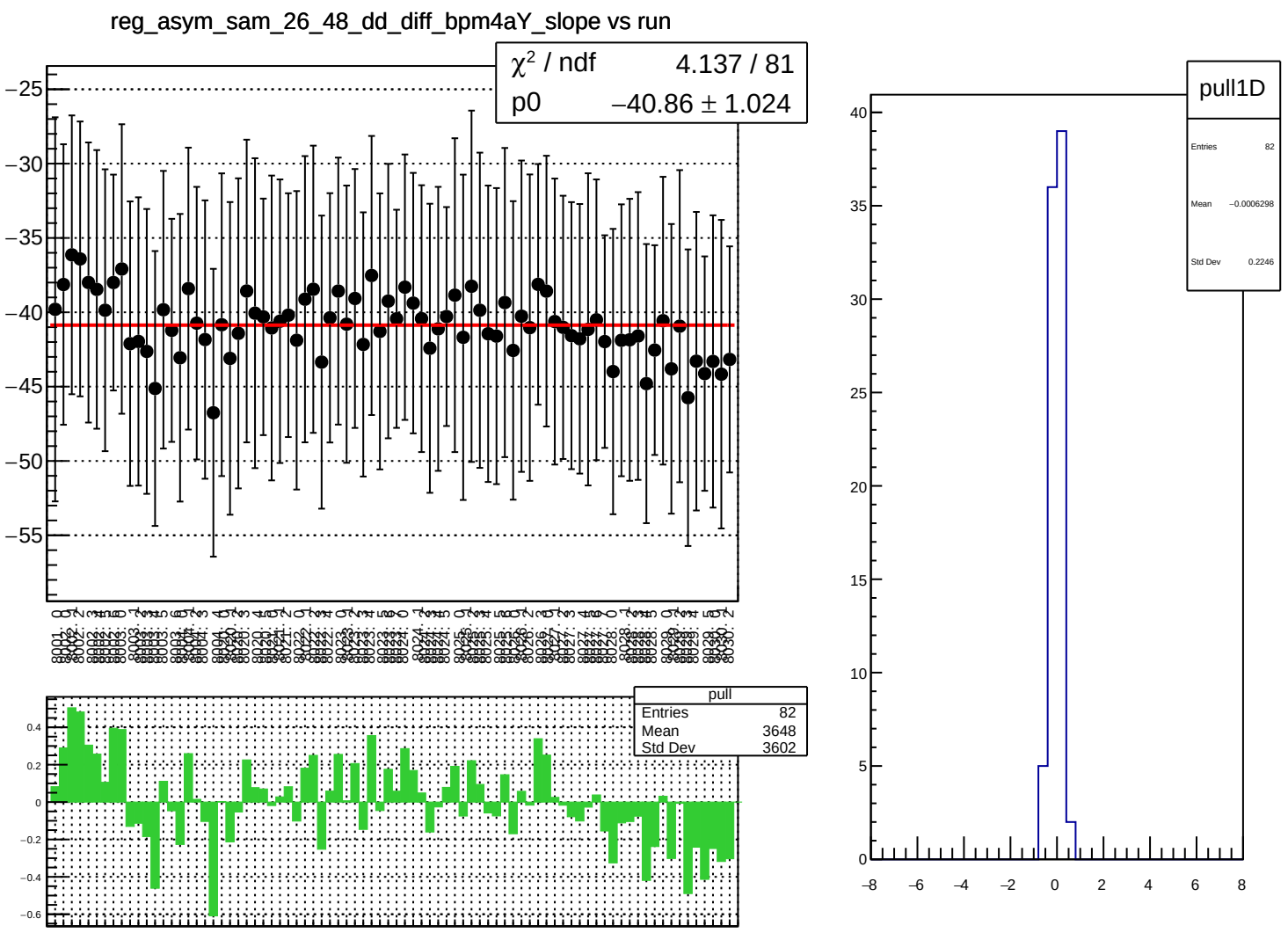

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.347 / 81
p0 −74.94 ± 2.3
pull
Entries 82
Mean −54.77
Std Dev 84.83
pull1D
Entries 82
Mean 0.03796
Std Dev 0.2271

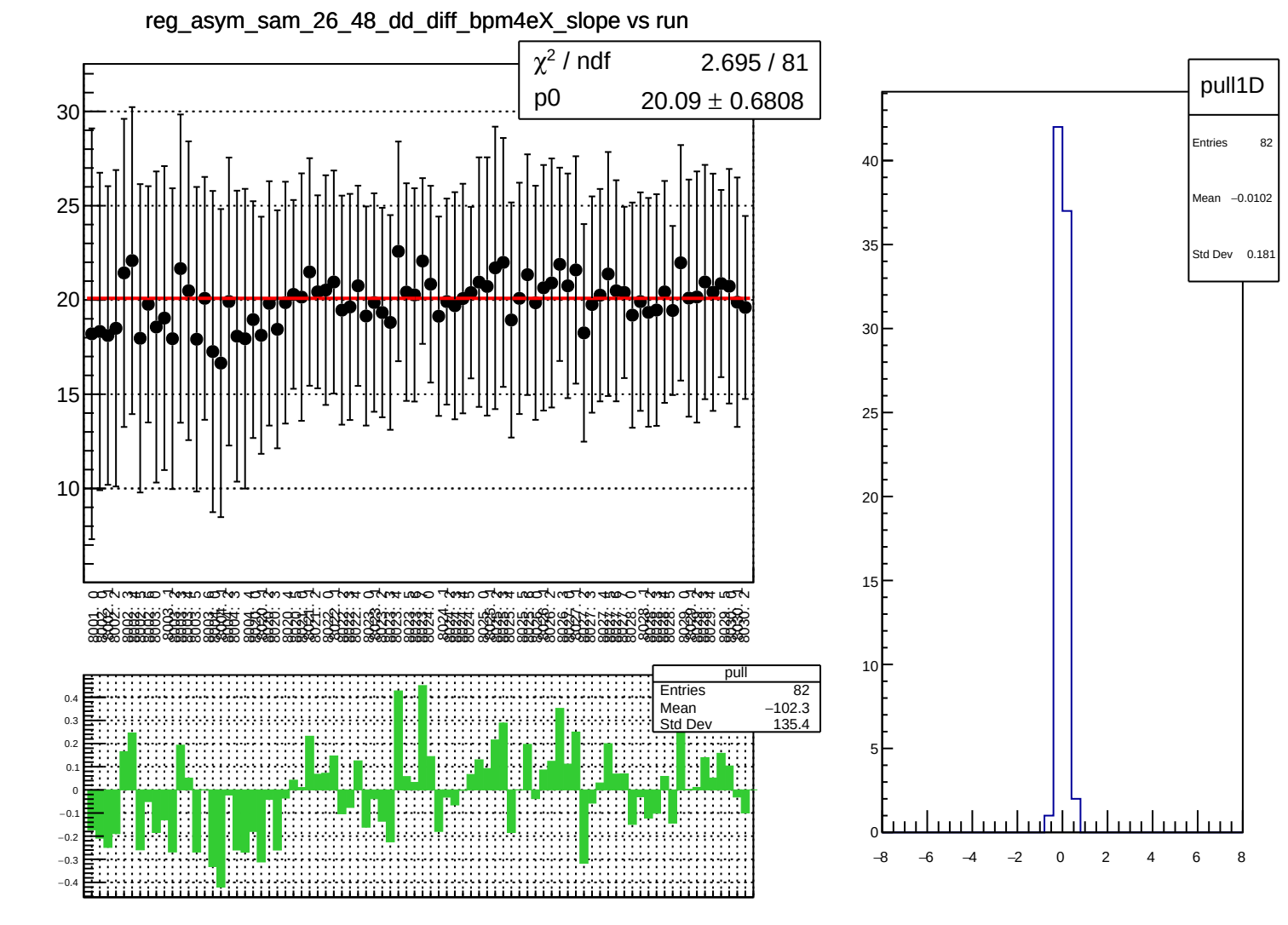

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.428 / 81
p0 25.9 ± 3.762
pull
Entries 82
Mean −187.5
Std Dev 228.8
pull1D
Entries 82
Mean −0.01757
Std Dev 0.2037

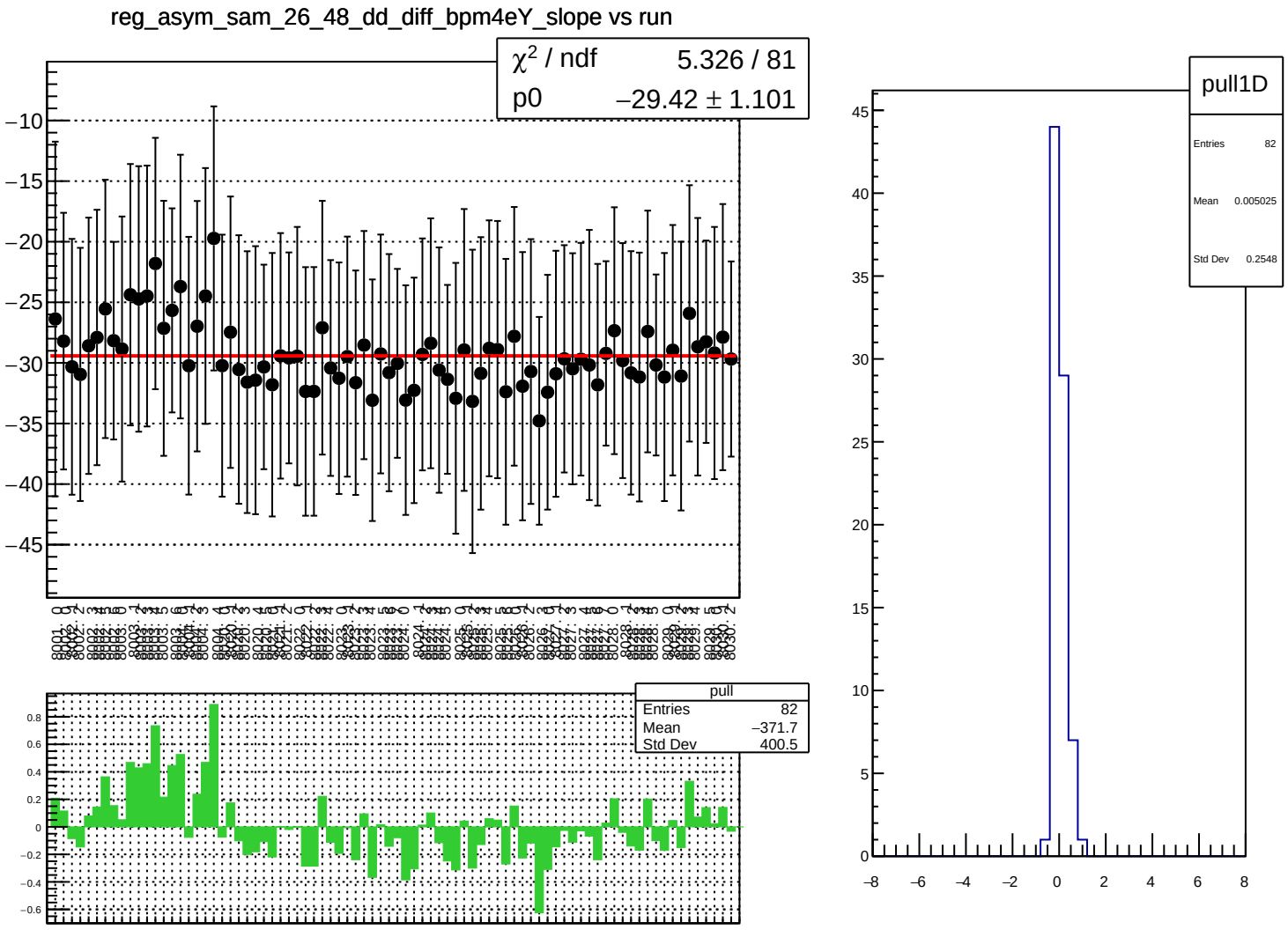

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 63.78 / 81
p0 1.229 ± 0.1772
pull
Entries 82
Mean 123.3
Std Dev 84.48
pull1D
Entries 82
Mean 0.1934
Std Dev 0.8604

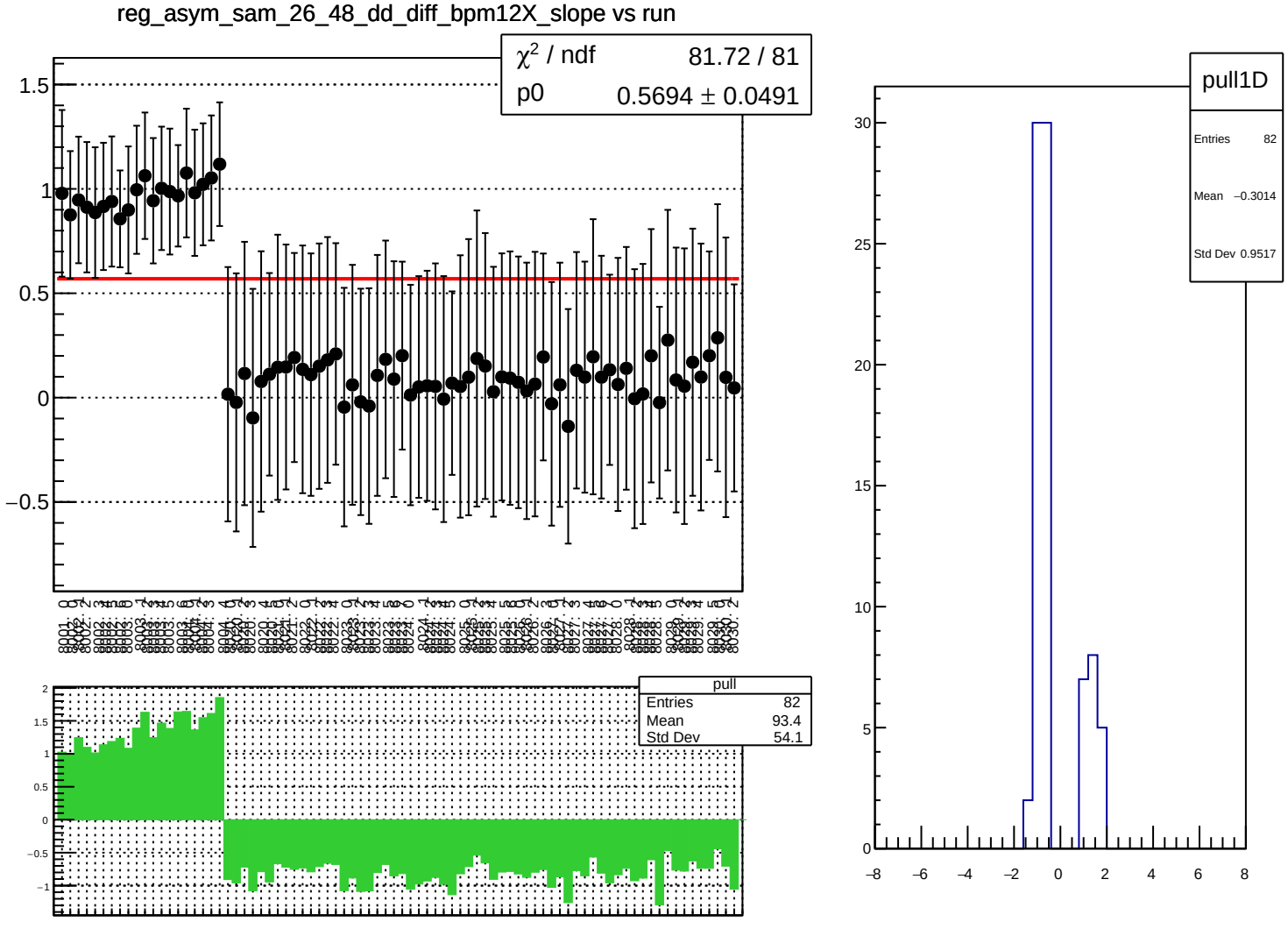

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.525 / 81
p0 2.796 ± 0.6523
pull
Entries 82
Mean −55.57
Std Dev 88.22

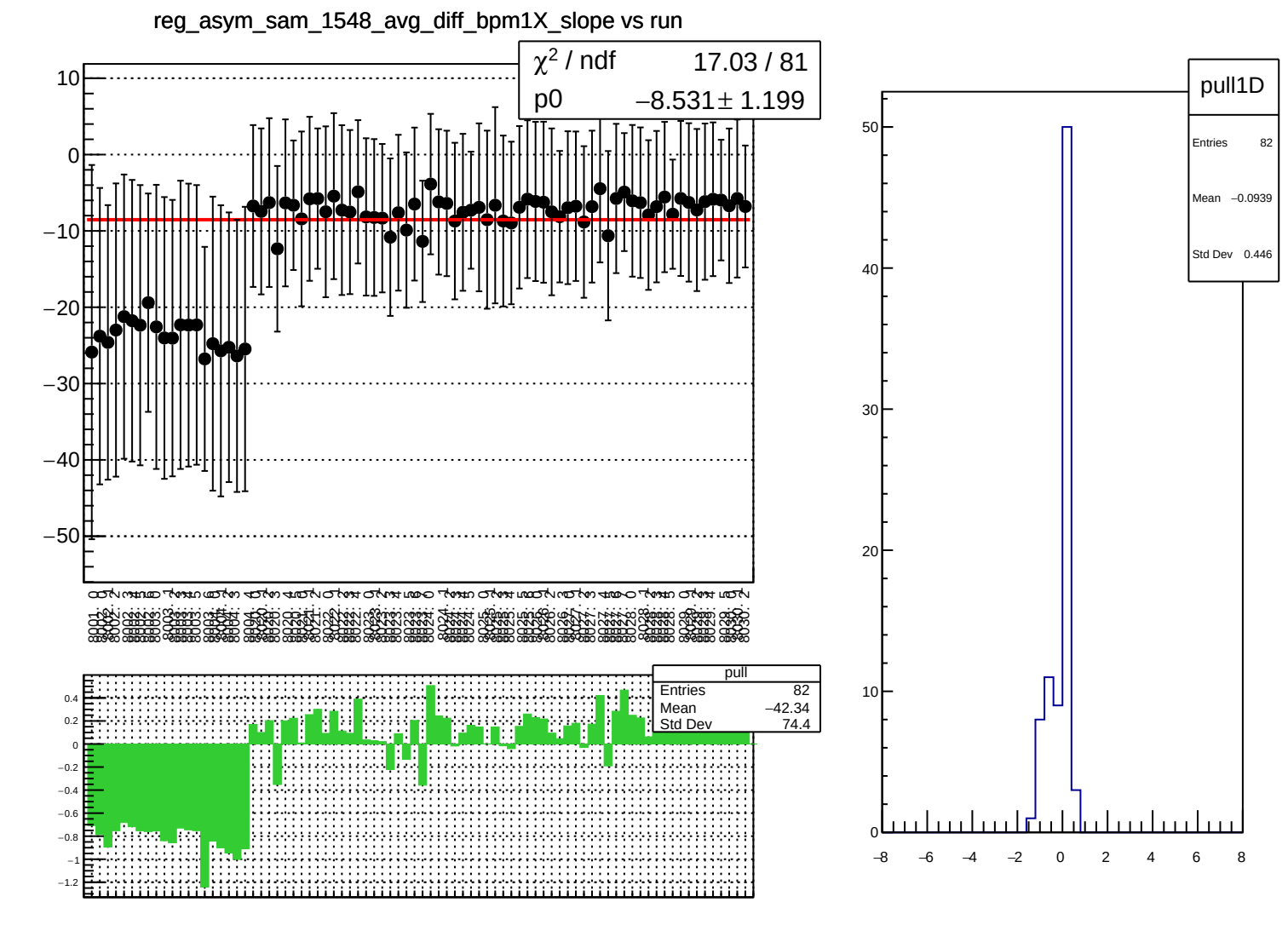

pull1D
Entries 82
Mean 0.02456
Std Dev 0.2059

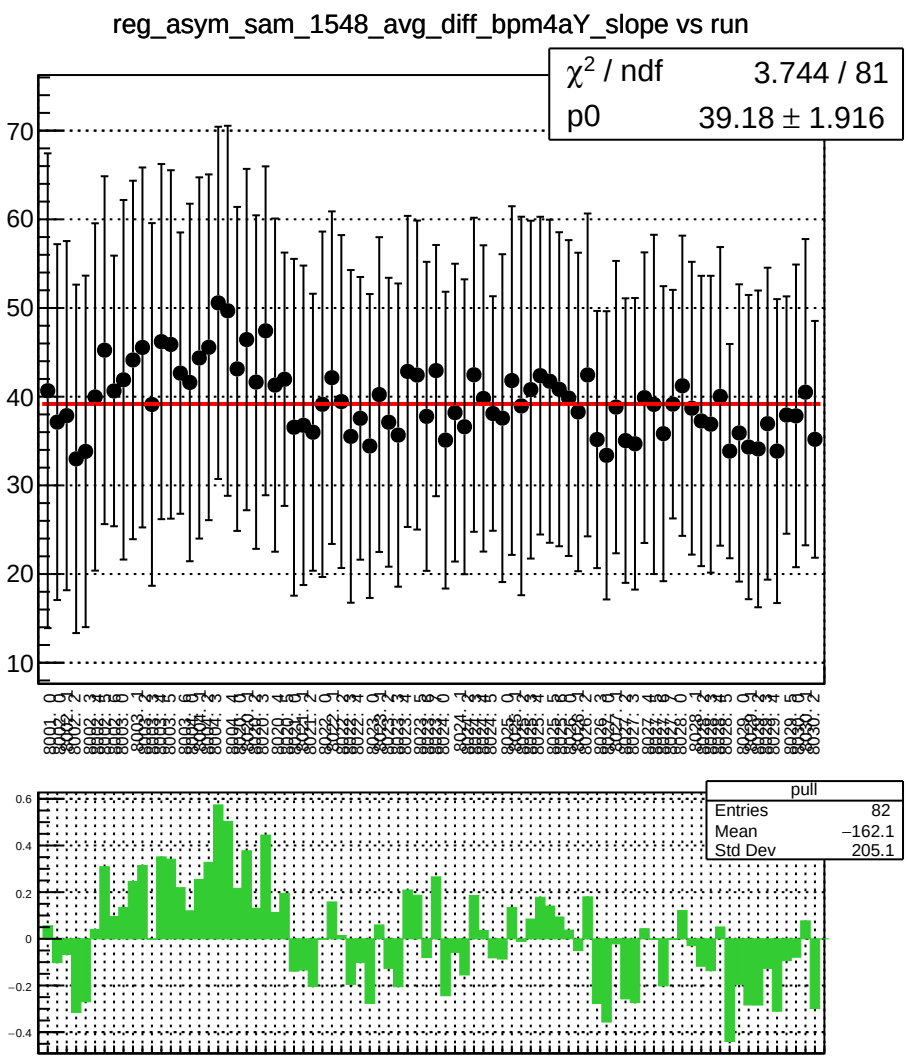

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.137 / 81
p0 −40.86 ± 1.024
pull
Entries 82
Mean 3648
Std Dev 3602
pull1D
Entries 82
Mean −0.0006298
Std Dev 0.2246

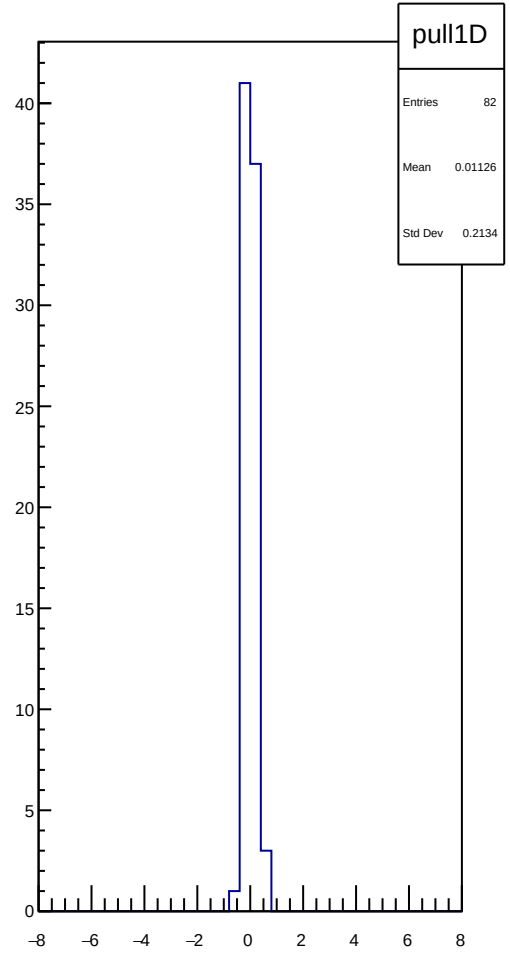

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.695 / 81
p0 20.09 ± 0.6808
pull
Entries 82
Mean −102.3
Std Dev 135.4
pull1D
Entries 82
Mean −0.0102
Std Dev 0.181

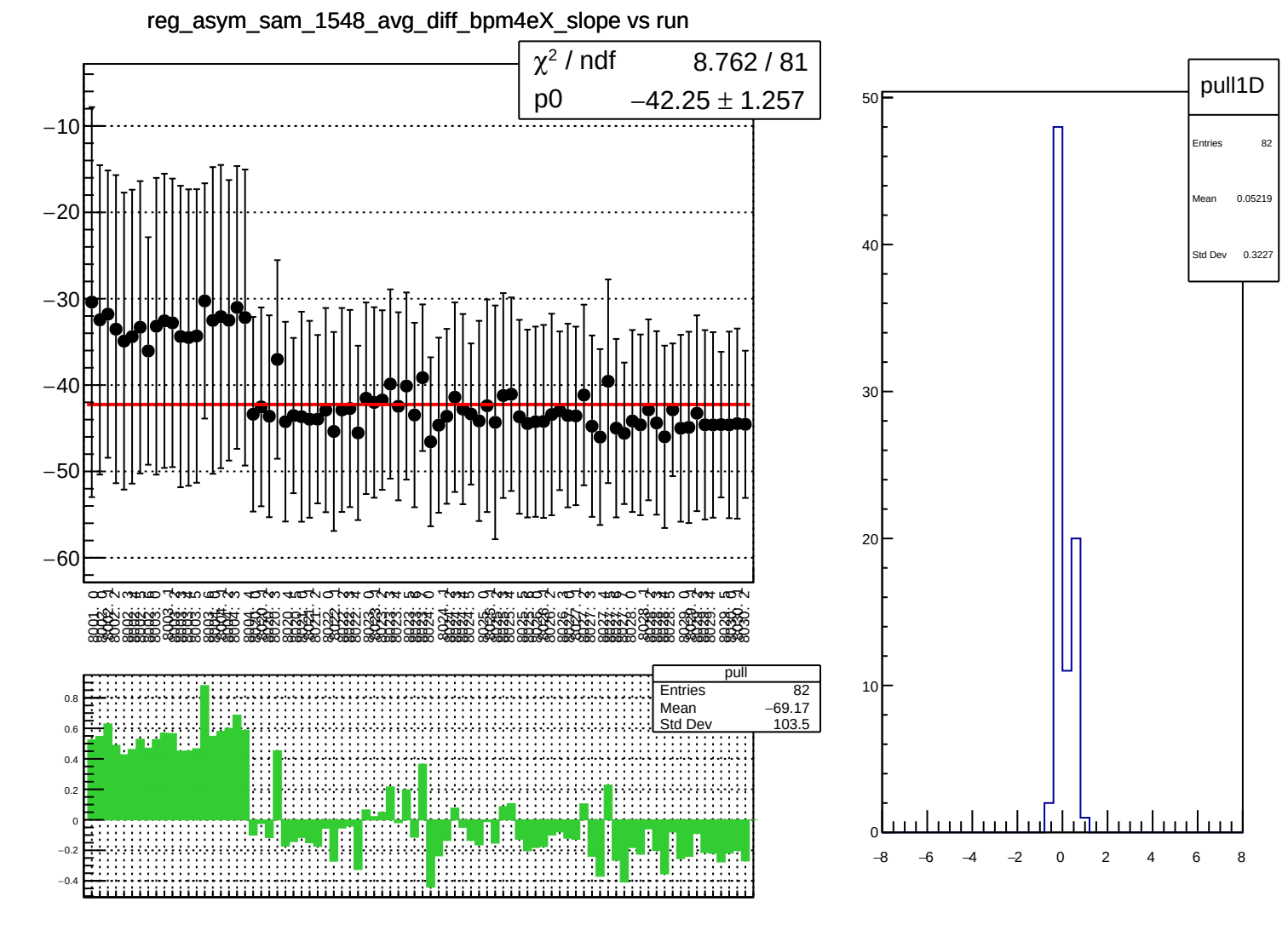

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.326 / 81
p0 −29.42 ± 1.101
pull
Entries 82
Mean −371.7
Std Dev 400.5
pull1D
Entries 82
Mean 0.005025
Std Dev 0.2548

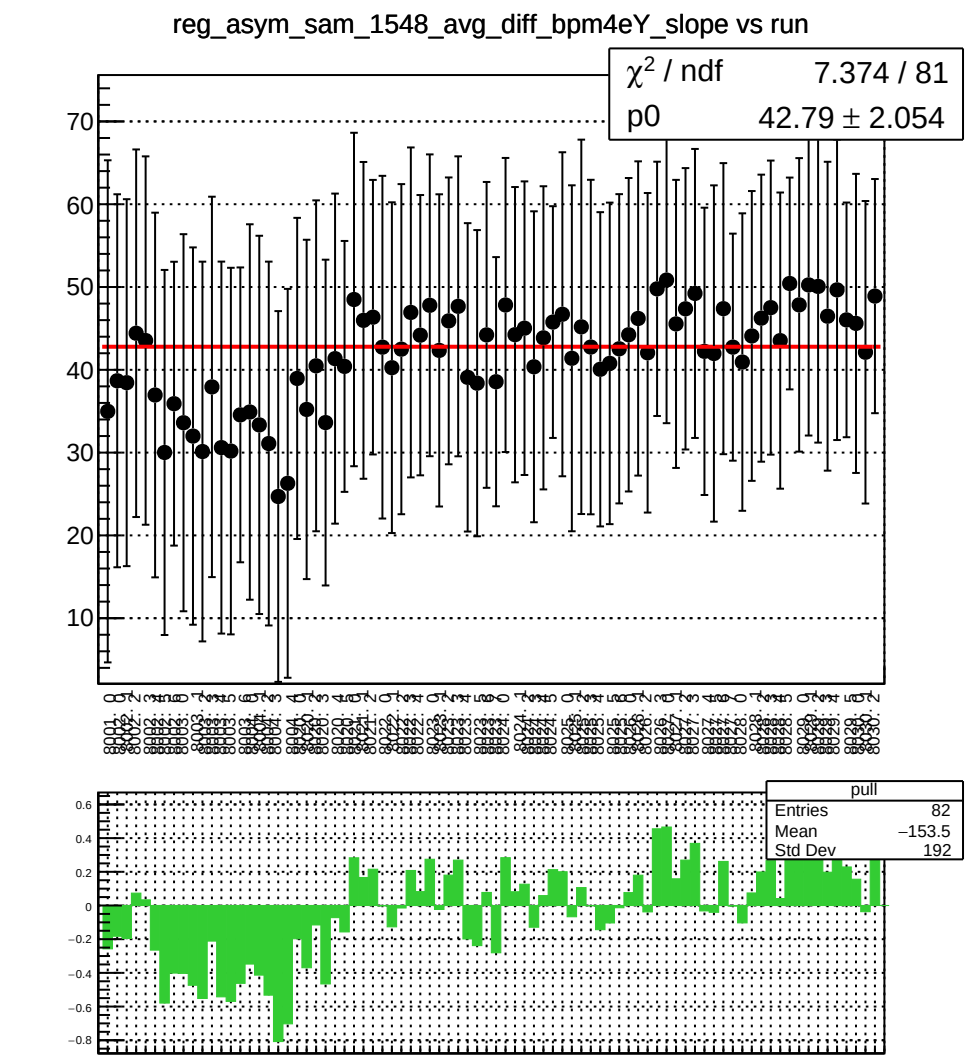

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 81.72 / 81
p0 0.5694 ± 0.0491
pull
Entries 82
Mean 93.4
Std Dev 54.1
pull1D
Entries 82
Mean −0.3014
Std Dev 0.9517

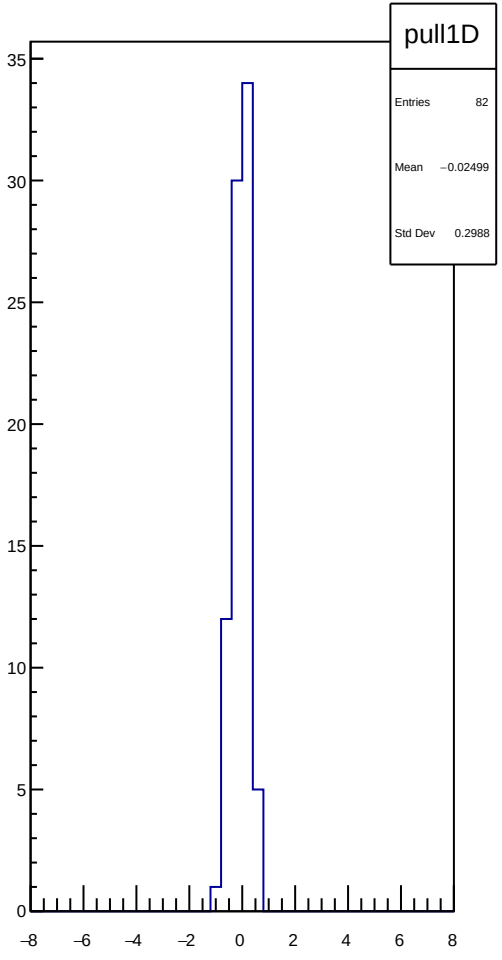

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 17.03 / 81
p0 −8.531 ± 1.199
pull
Entries 82
Mean −42.34
Std Dev 74.4
pull1D
Entries 82
Mean −0.0939
Std Dev 0.446

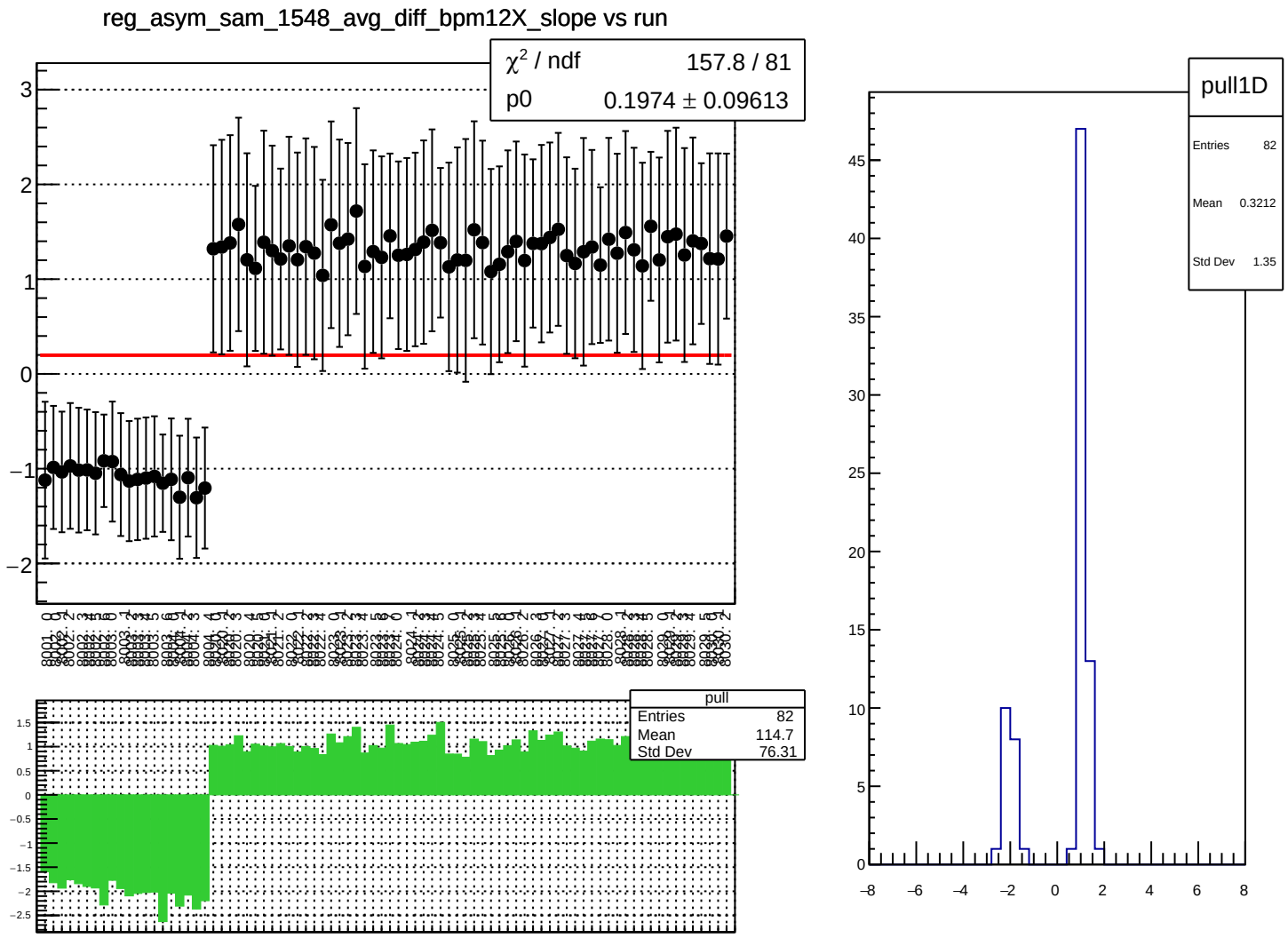

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.744 / 81
p0 39.18 ± 1.916
pull
Entries 82
Mean −162.1
Std Dev 205.1

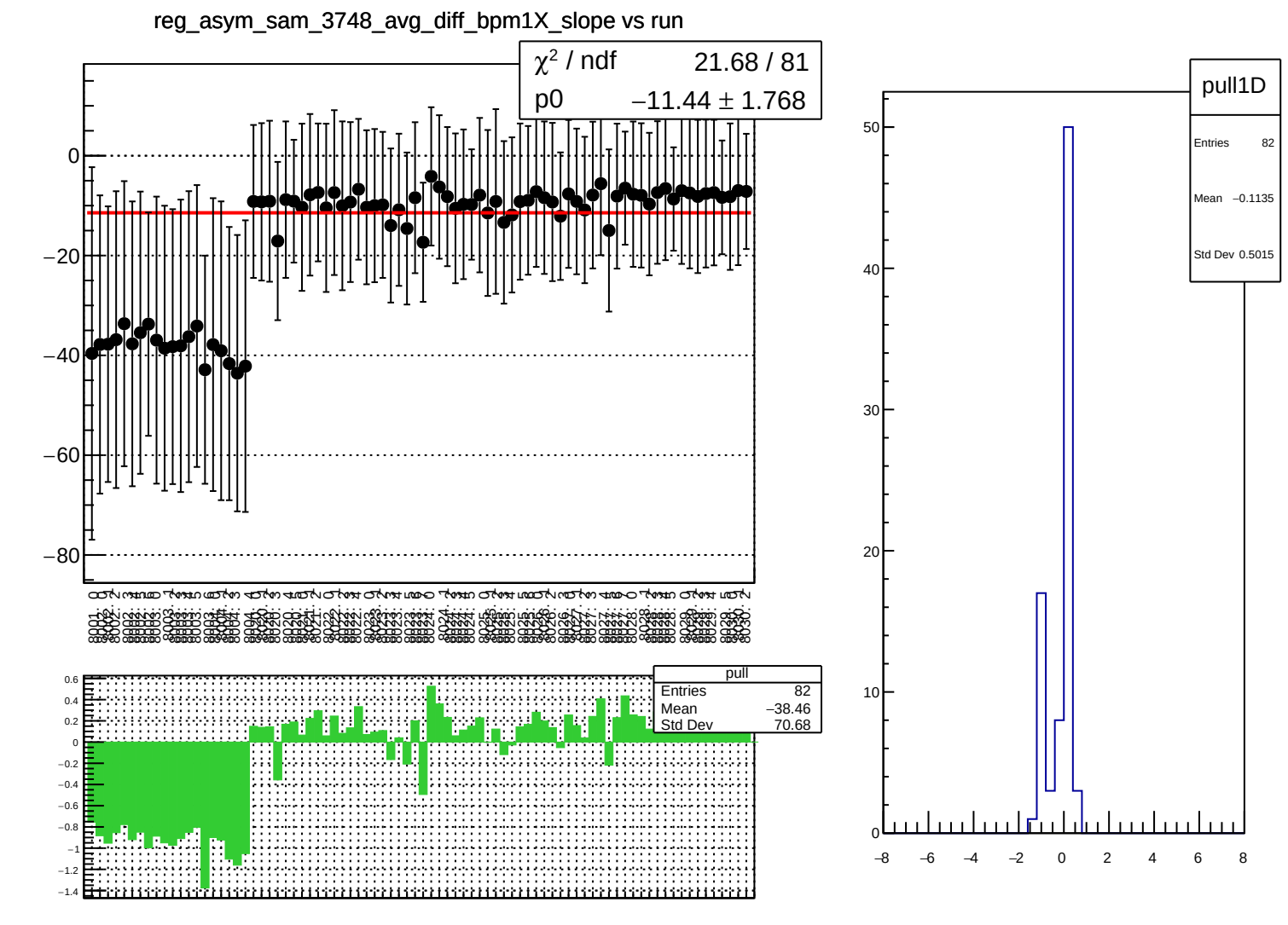

pull1D
Entries 82
Mean 0.01126
Std Dev 0.2134

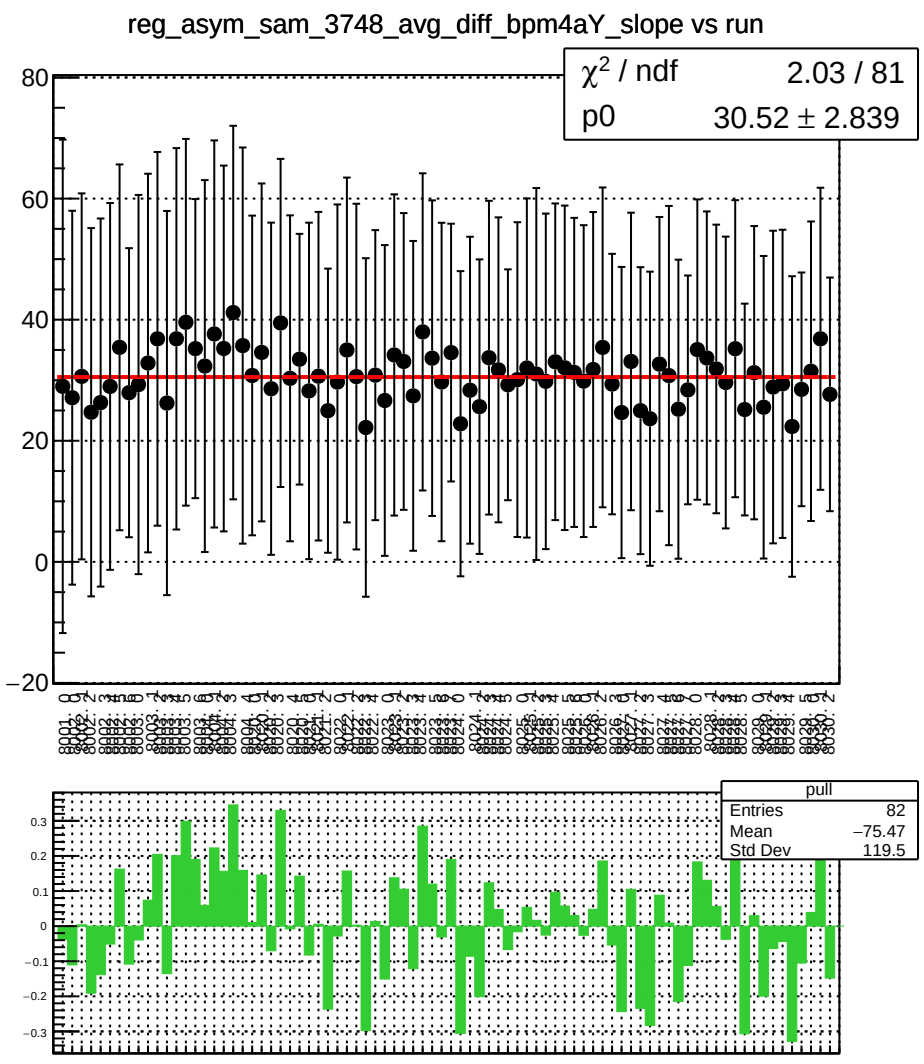

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.762 / 81
p0 −42.25 ± 1.257
pull
Entries 82
Mean −69.17
Std Dev 103.5
pull1D
Entries 82
Mean 0.05219
Std Dev 0.3227

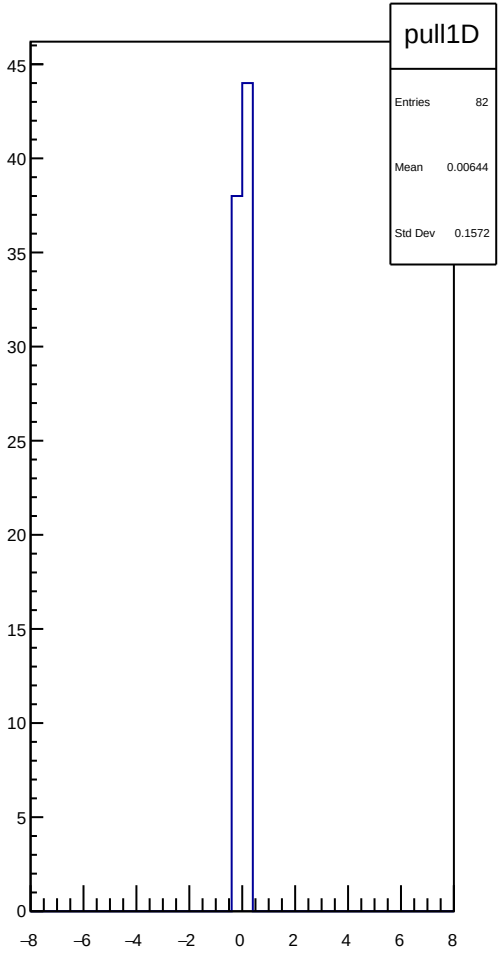

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.374 / 81
p0 42.79 ± 2.054
pull
Entries 82
Mean −153.5
Std Dev 192

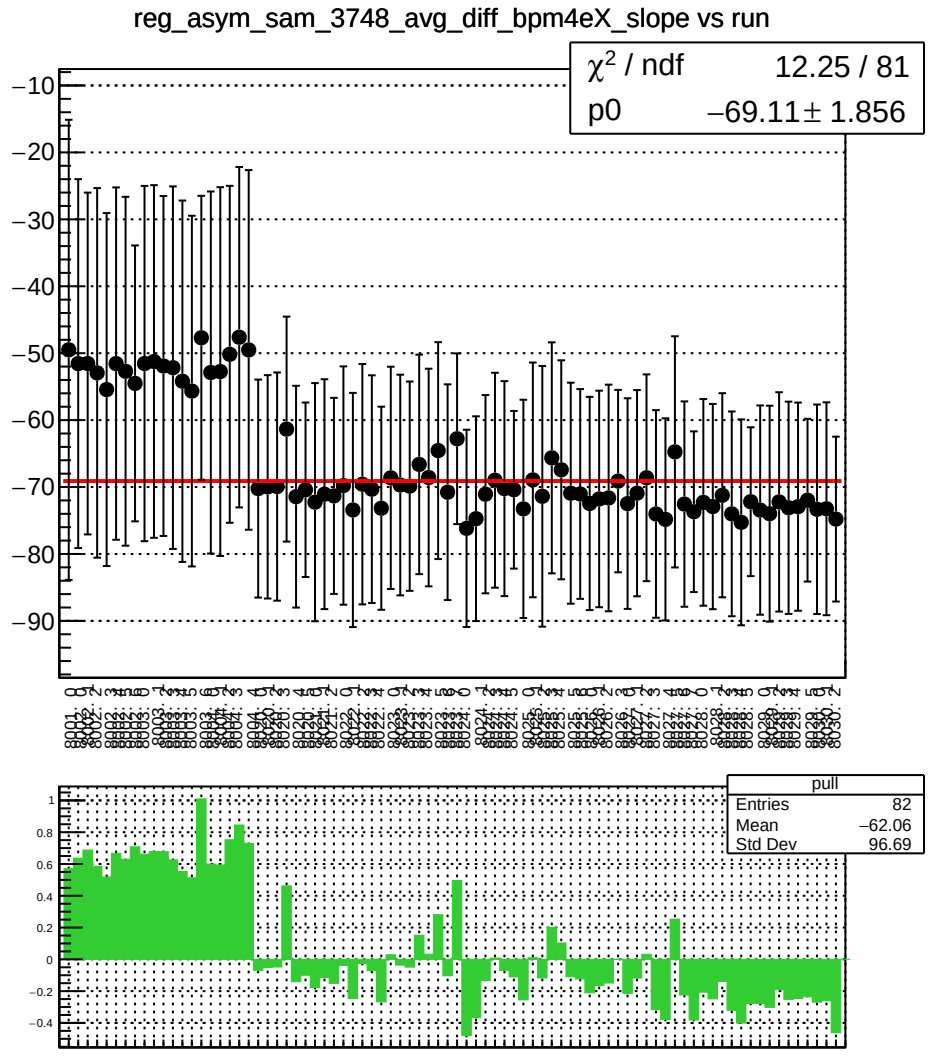

pull1D
Entries 82
Mean −0.02499
Std Dev 0.2988

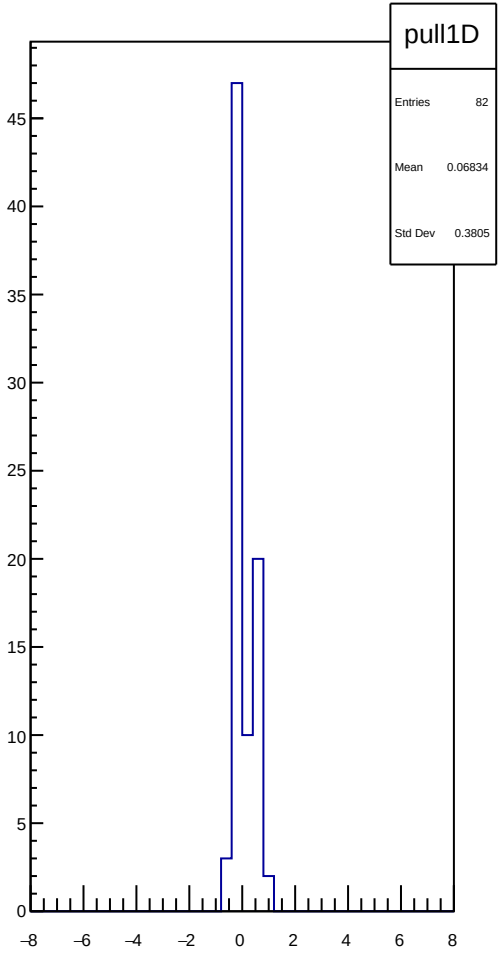

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 157.8 / 81
p0 0.1974 ± 0.09613
pull
Entries 82
Mean 114.7
Std Dev 76.31
pull1D
Entries 82
Mean 0.3212
Std Dev 1.35

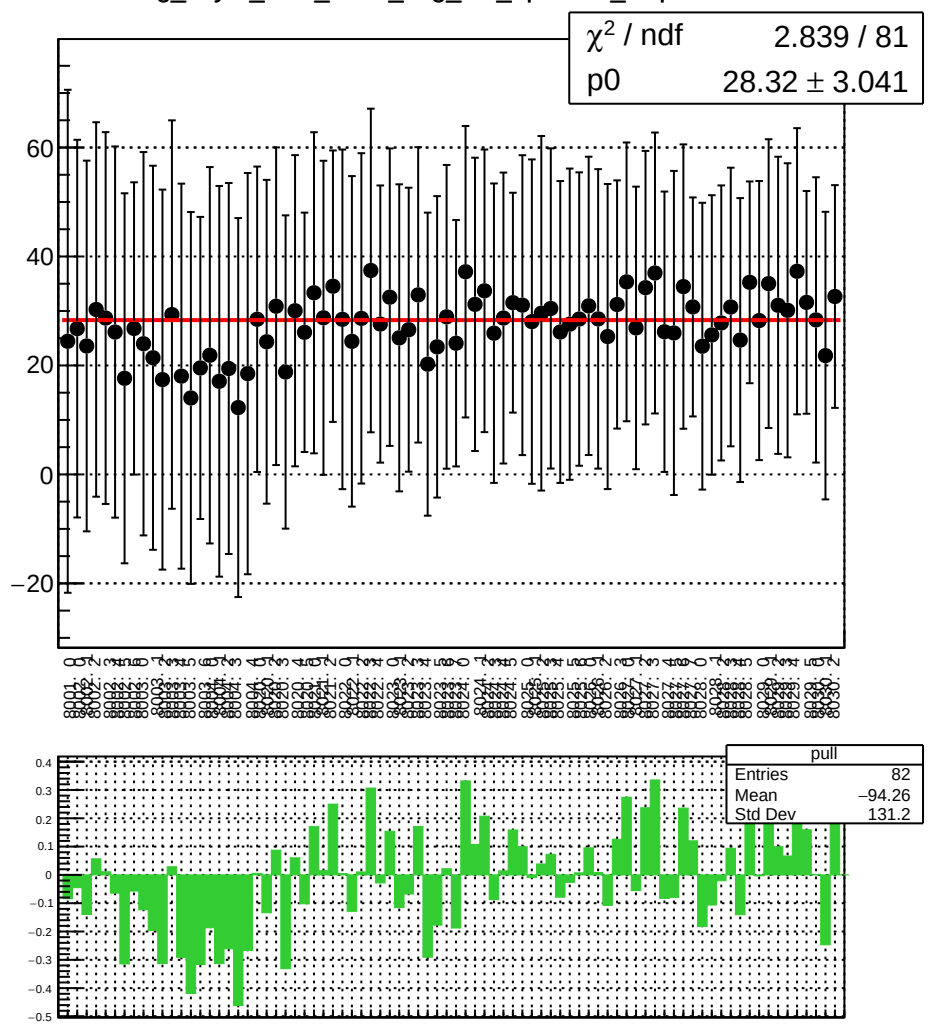

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 21.68 / 81
p0 −11.44 ± 1.768
pull
Entries 82
Mean −38.46
Std Dev 70.68
pull1D
Entries 82
Mean −0.1135
Std Dev 0.5015

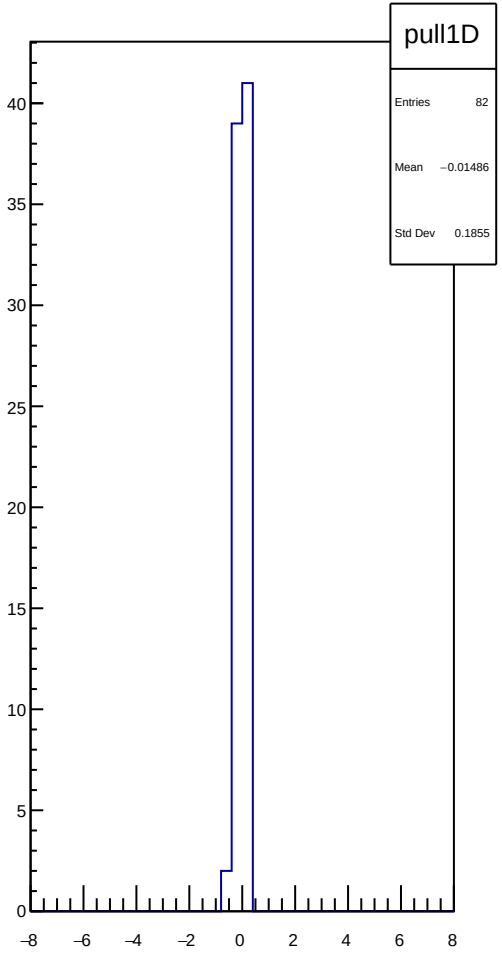

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.03 / 81
p0 30.52 ± 2.839
pull
Entries 82
Mean −75.47
Std Dev 119.5

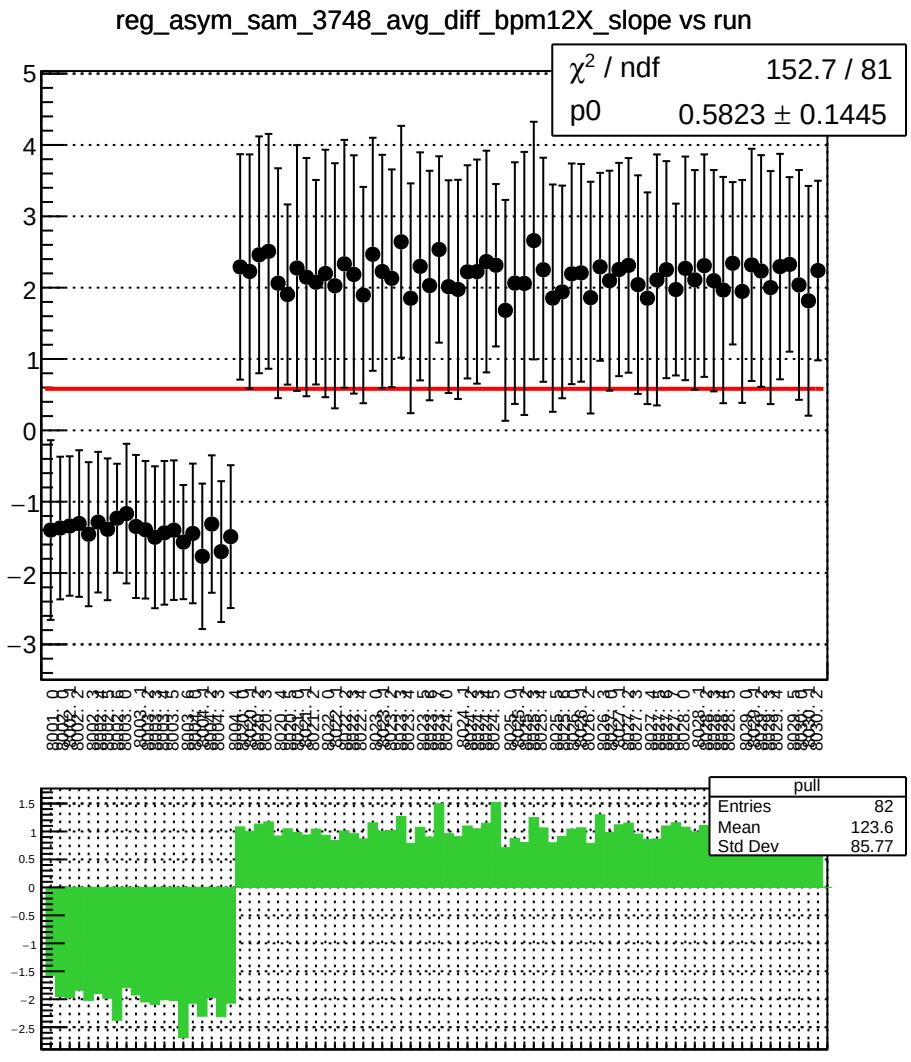

pull1D
Entries 82
Mean 0.00644
Std Dev 0.1572

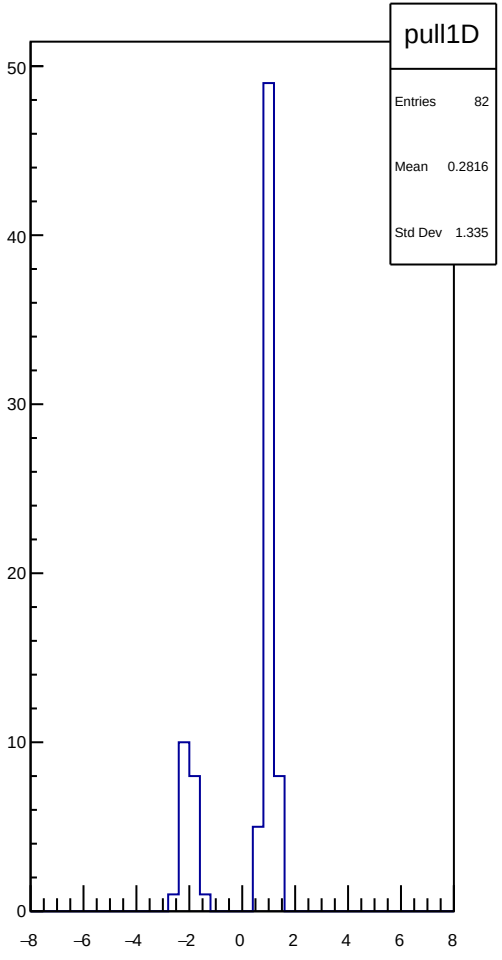

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.25 / 81
p0 −69.11 ± 1.856
pull
Entries 82
Mean −62.06
Std Dev 96.69

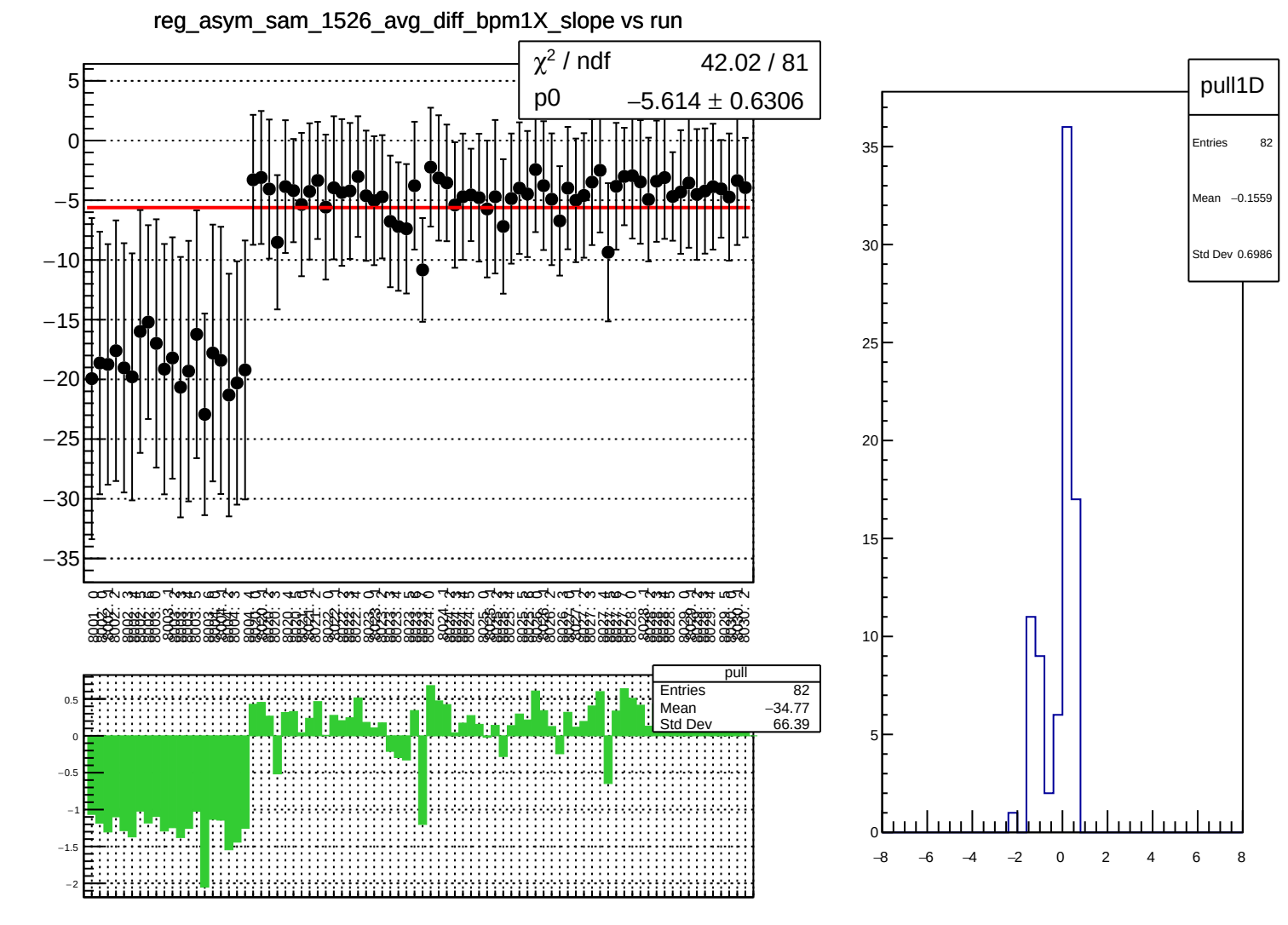

pull1D
Entries 82
Mean 0.06834
Std Dev 0.3805

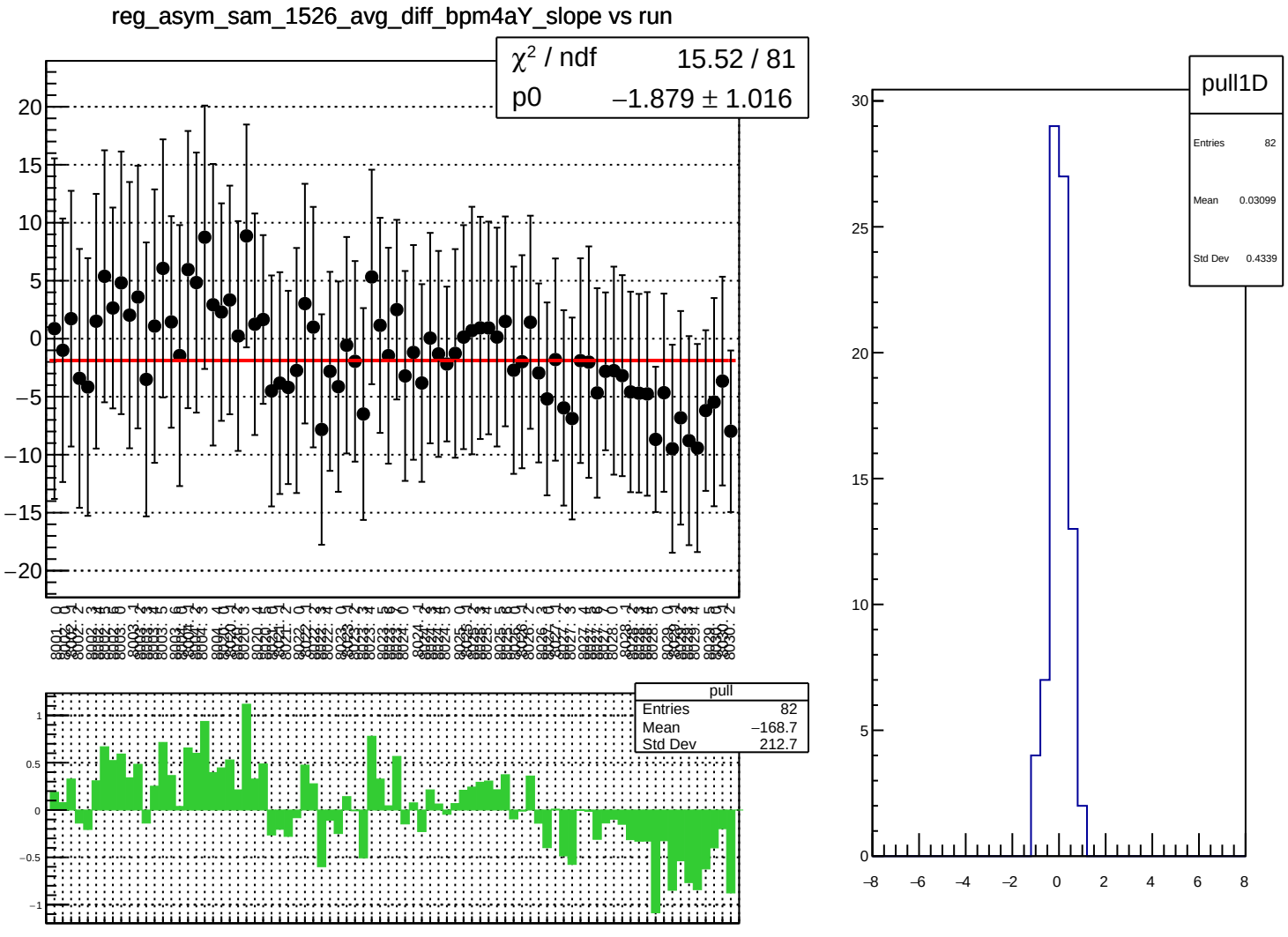

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.839 / 81
p0 28.32 ± 3.041
pull
Entries 82
Mean −94.26
Std Dev 131.2

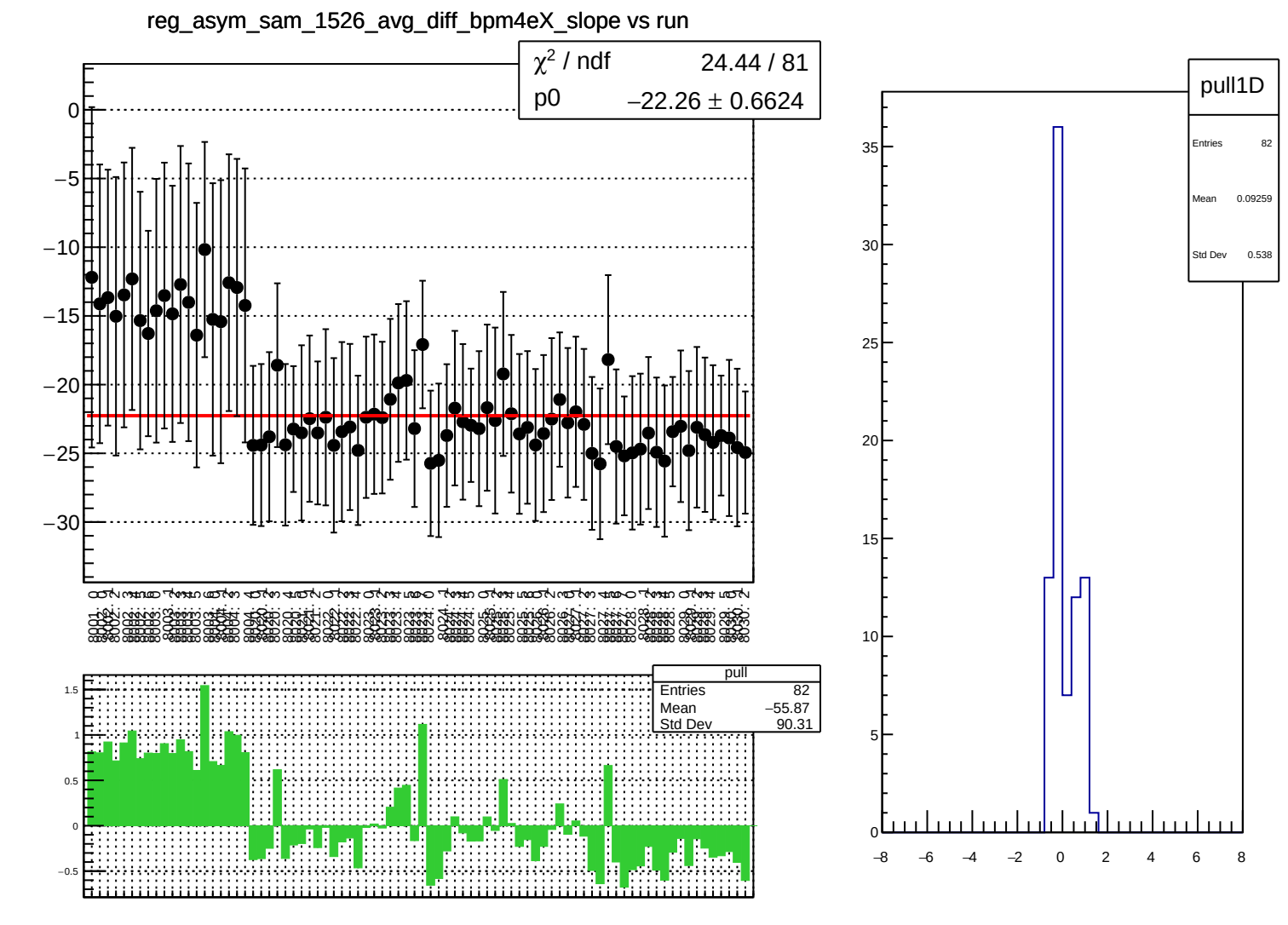

pull1D
Entries 82
Mean −0.01486
Std Dev 0.1855

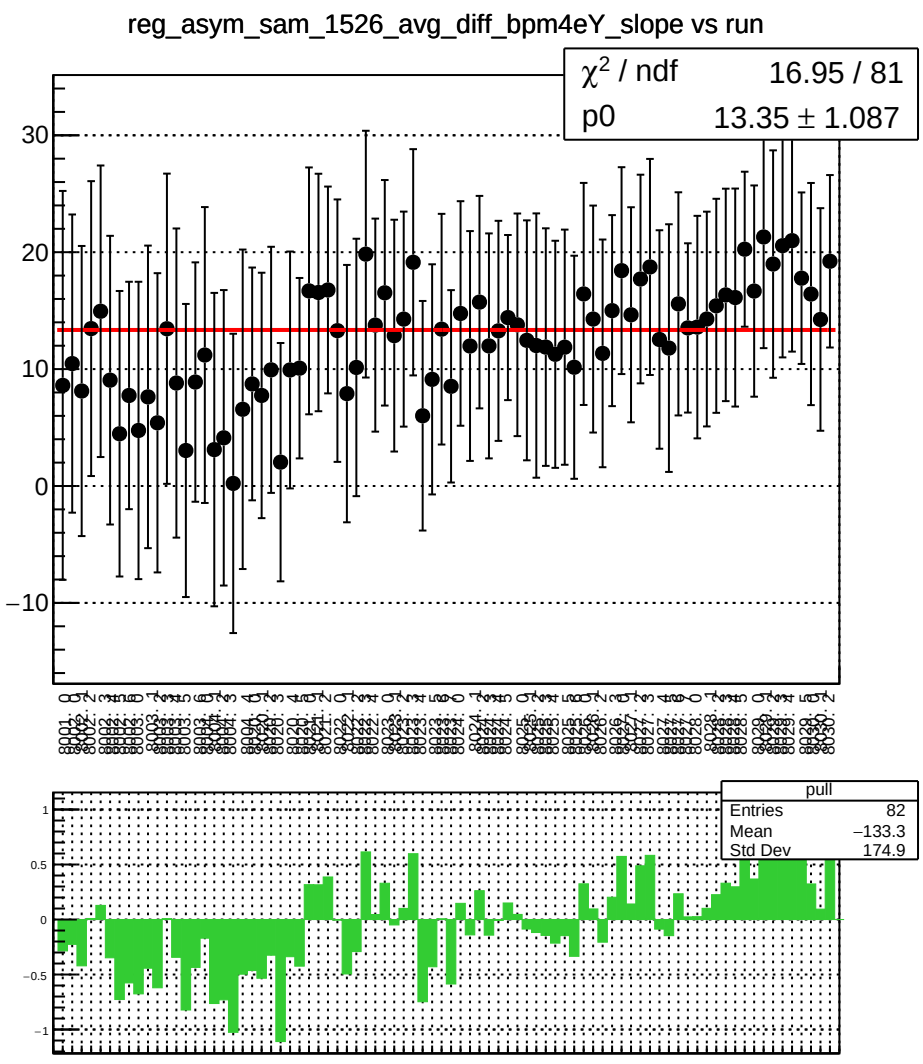

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 152.7 / 81
p0 0.5823 ± 0.1445
pull
Entries 82
Mean 123.6
Std Dev 85.77

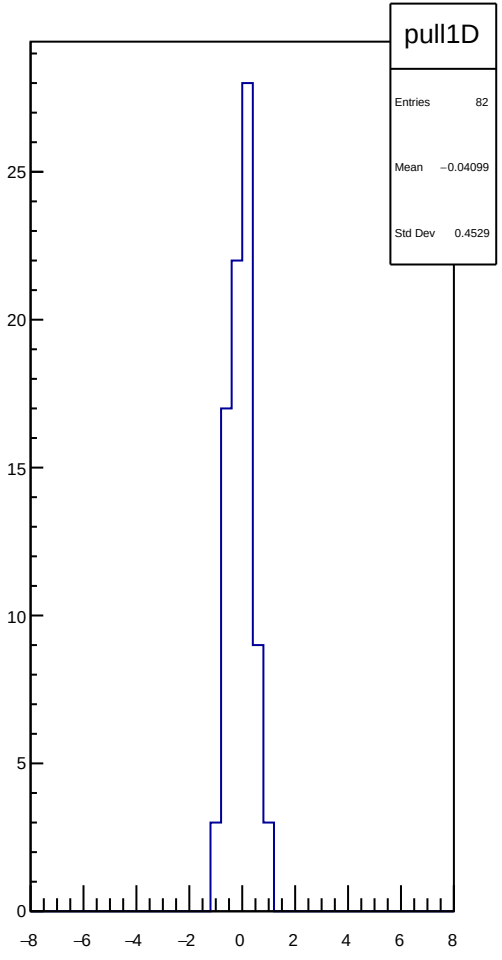

pull1D
Entries 82
Mean 0.2816
Std Dev 1.335

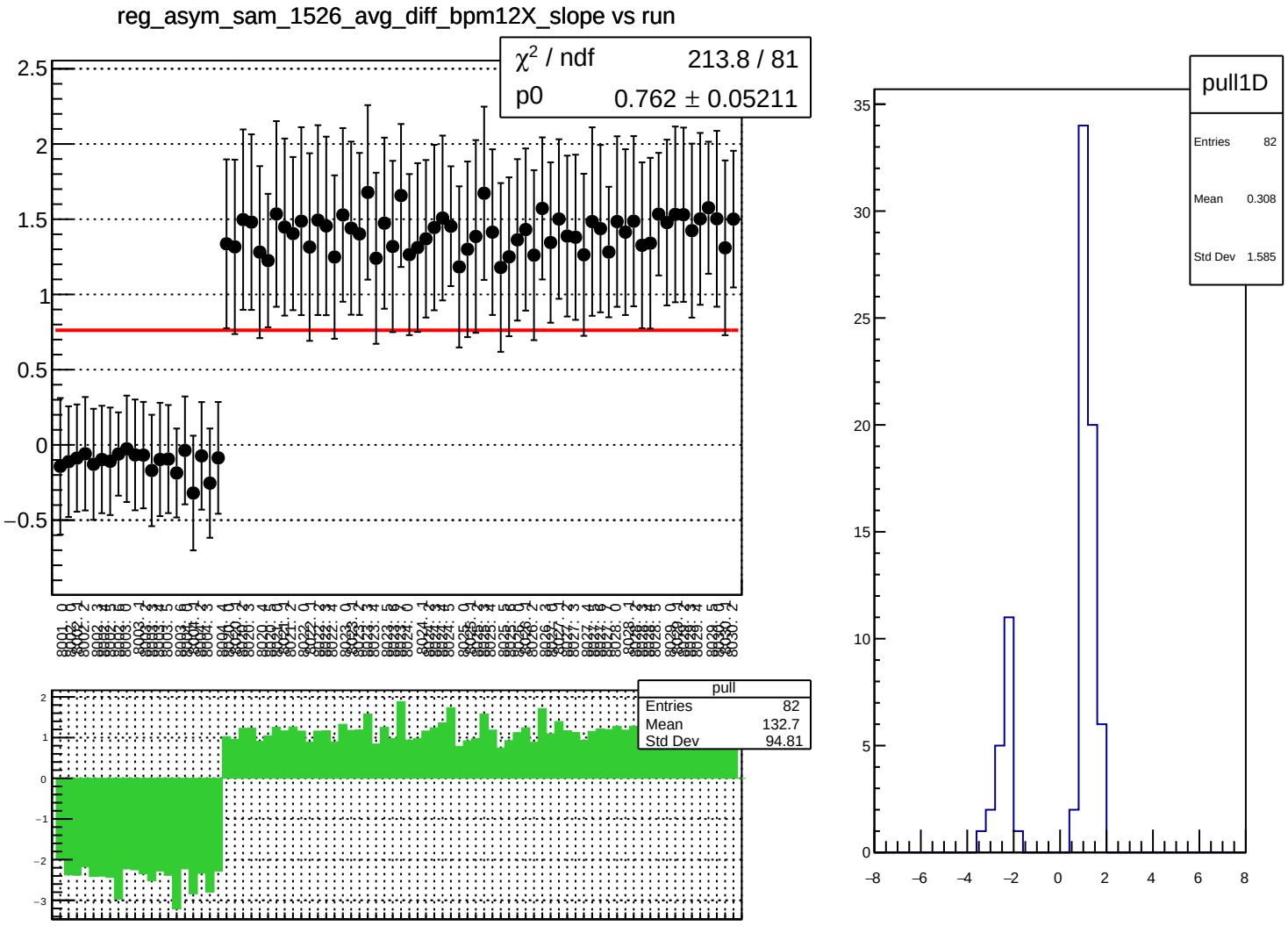

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 42.02 / 81
p0 −5.614 ± 0.6306
pull
Entries 82
Mean −34.77
Std Dev 66.39
pull1D
Entries 82
Mean −0.1559
Std Dev 0.6986

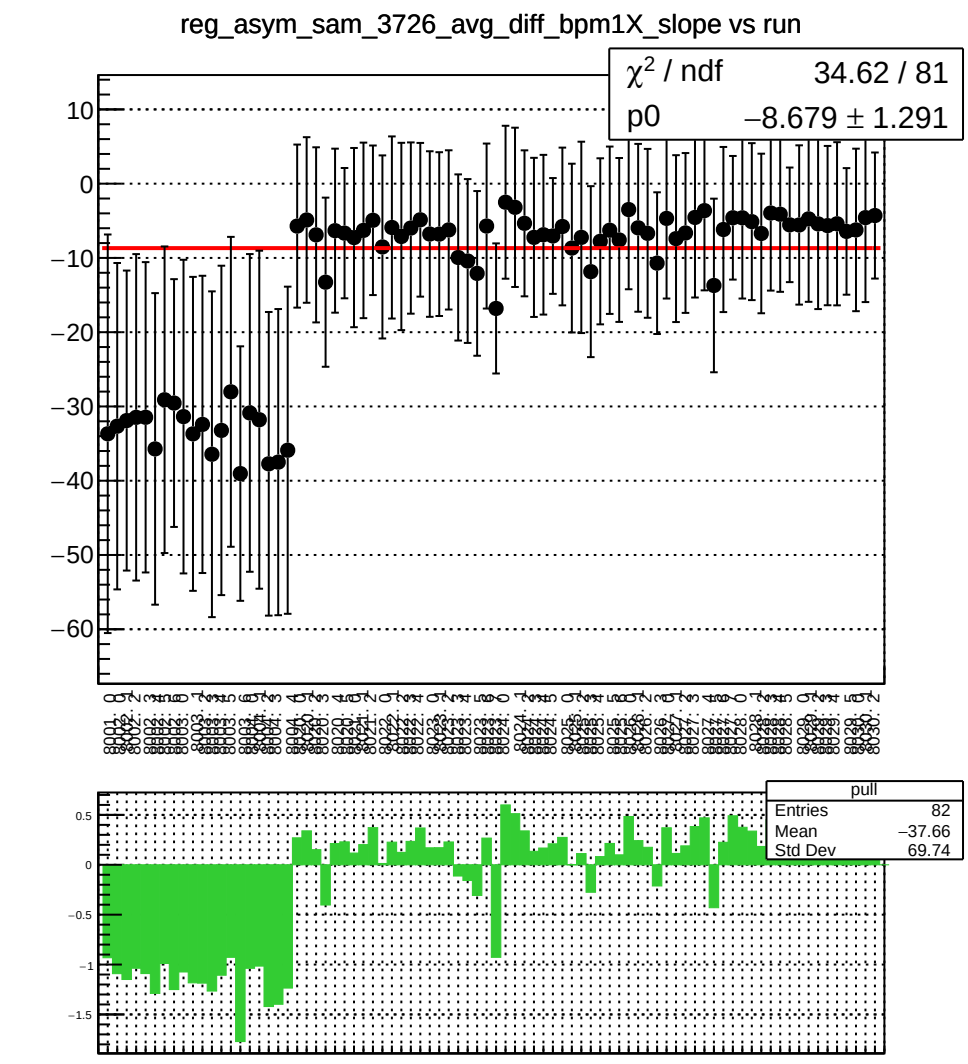

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.52 / 81
p0 −1.879 ± 1.016
pull
Entries 82
Mean −168.7
Std Dev 212.7
pull1D
Entries 82
Mean 0.03099
Std Dev 0.4339

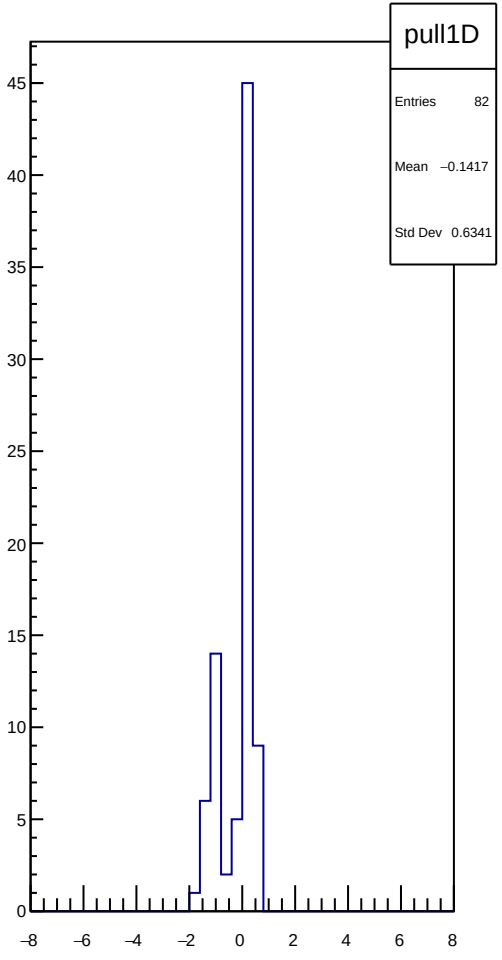

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.44 / 81
p0 −22.26 ± 0.6624
pull
Entries 82
Mean −55.87
Std Dev 90.31
pull1D
Entries 82
Mean 0.09259
Std Dev 0.538

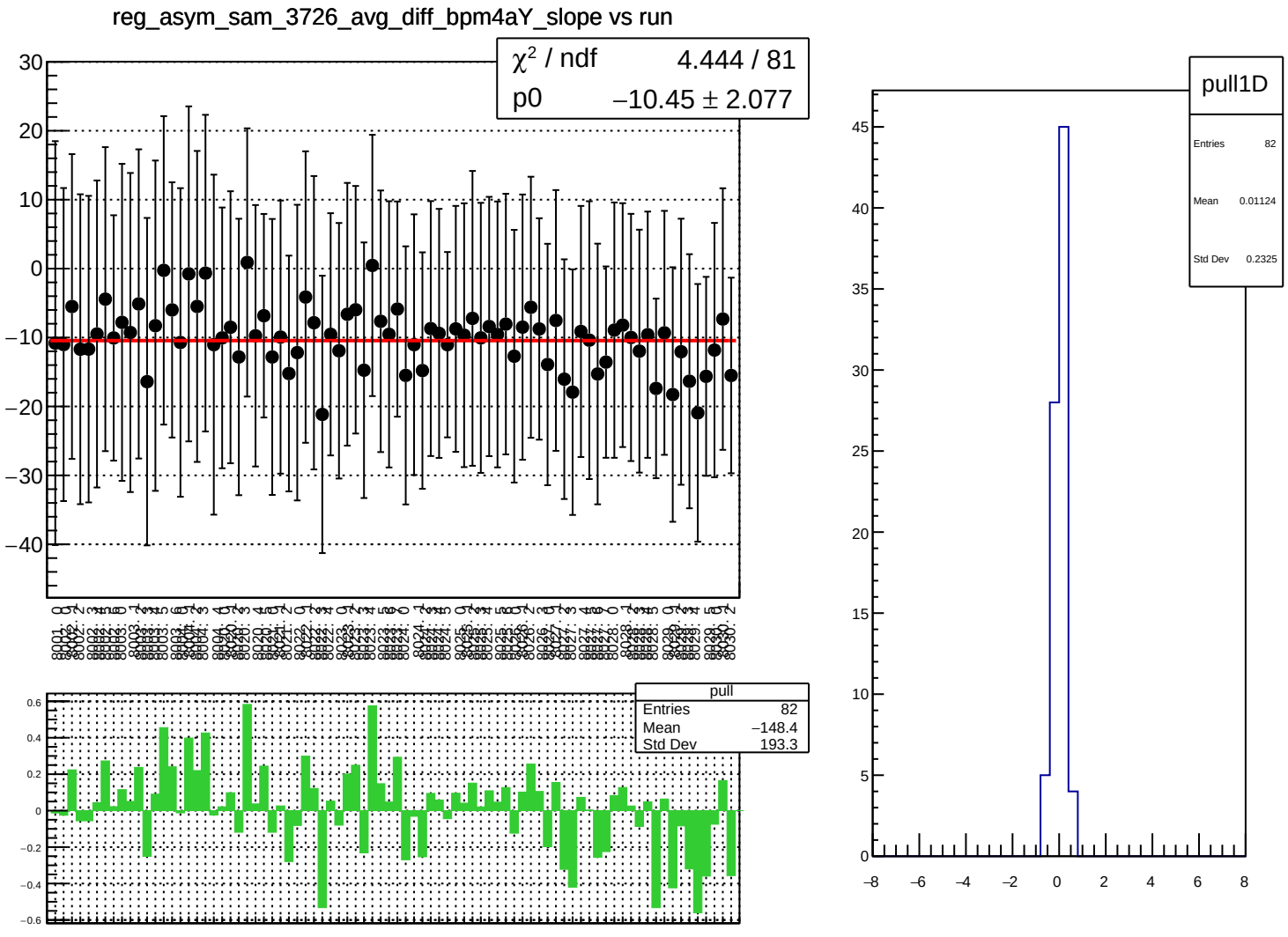

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.95 / 81
p0 13.35 ± 1.087
pull
Entries 82
Mean −133.3
Std Dev 174.9

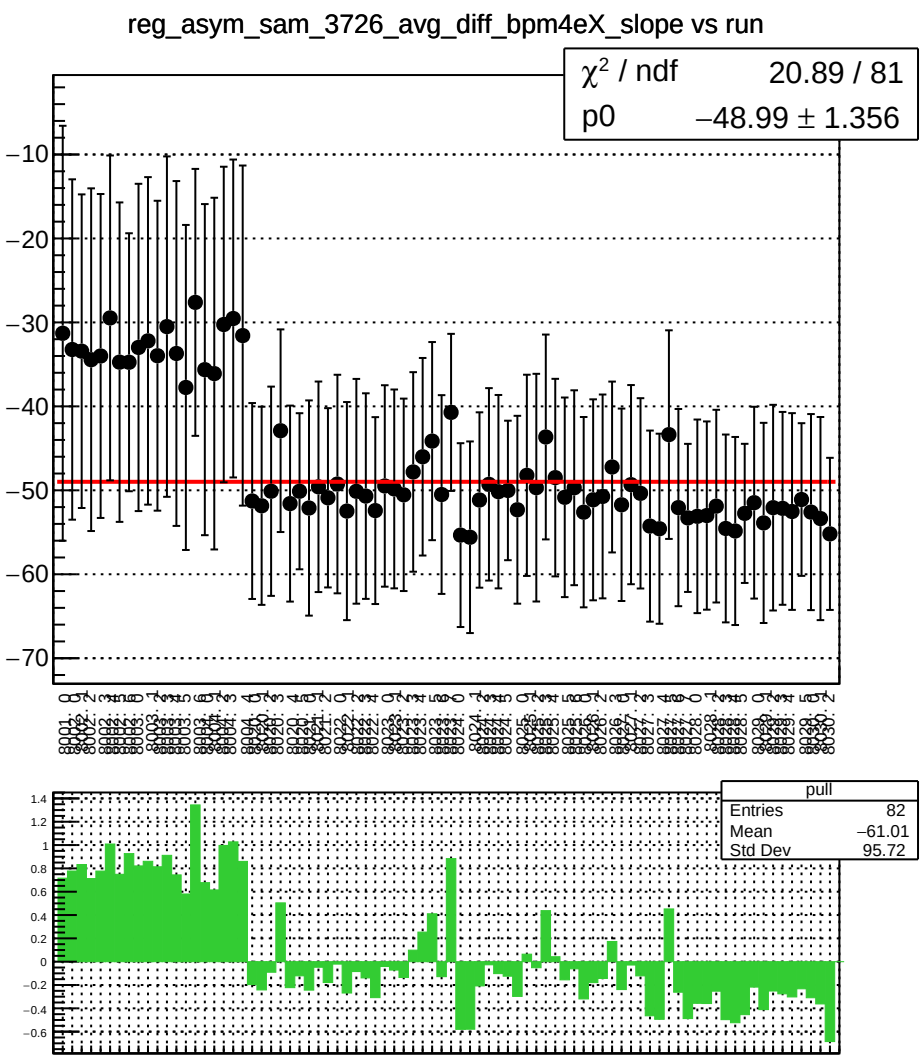

pull1D
Entries 82
Mean −0.04099
Std Dev 0.4529

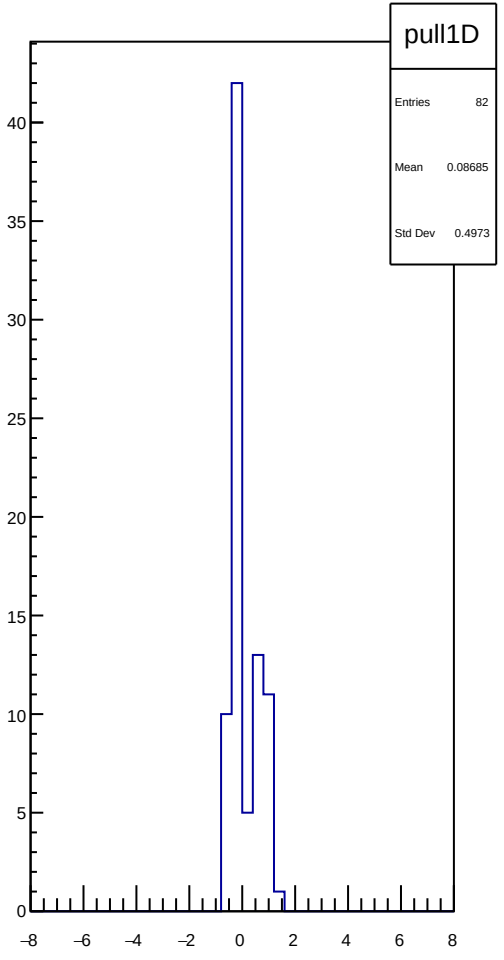

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 213.8 / 81
p0 0.762 ± 0.05211
pull
Entries 82
Mean 132.7
Std Dev 94.81
pull1D
Entries 82
Mean 0.308
Std Dev 1.585

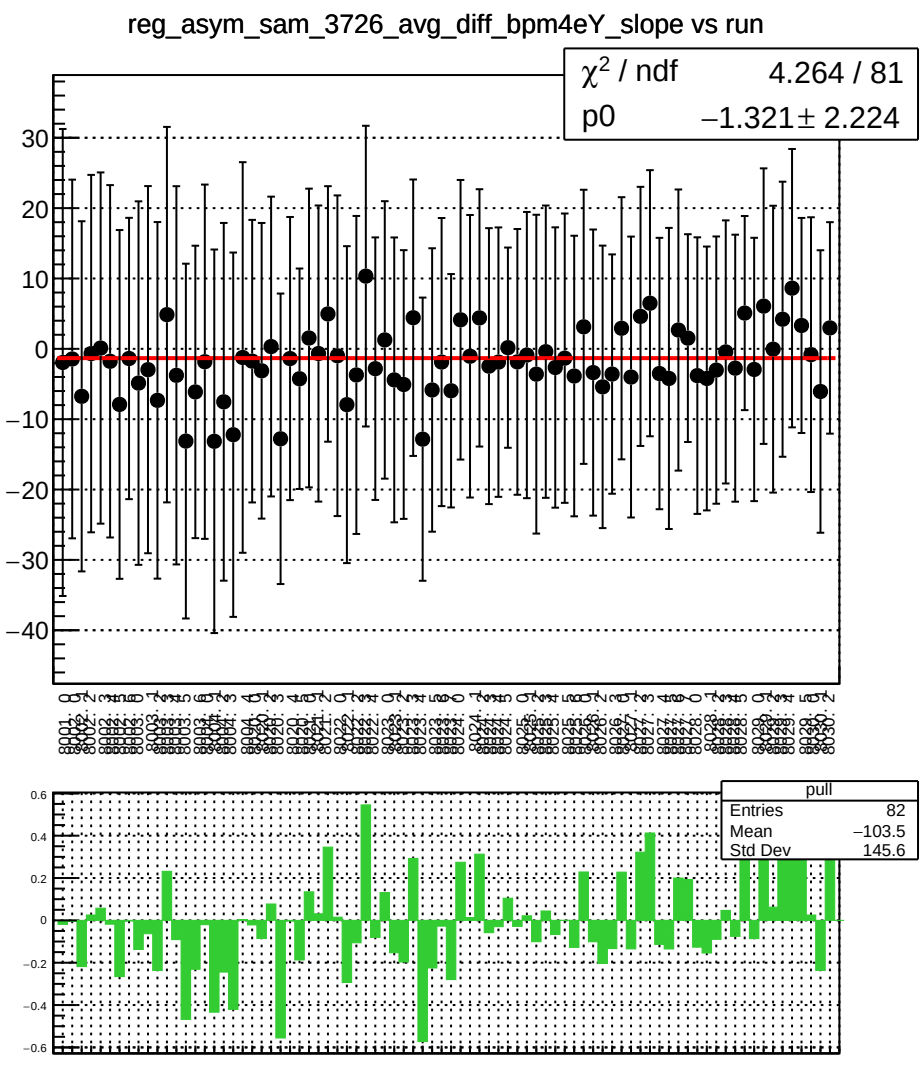

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 34.62 / 81
p0 −8.679 ± 1.291
pull
Entries 82
Mean −37.66
Std Dev 69.74

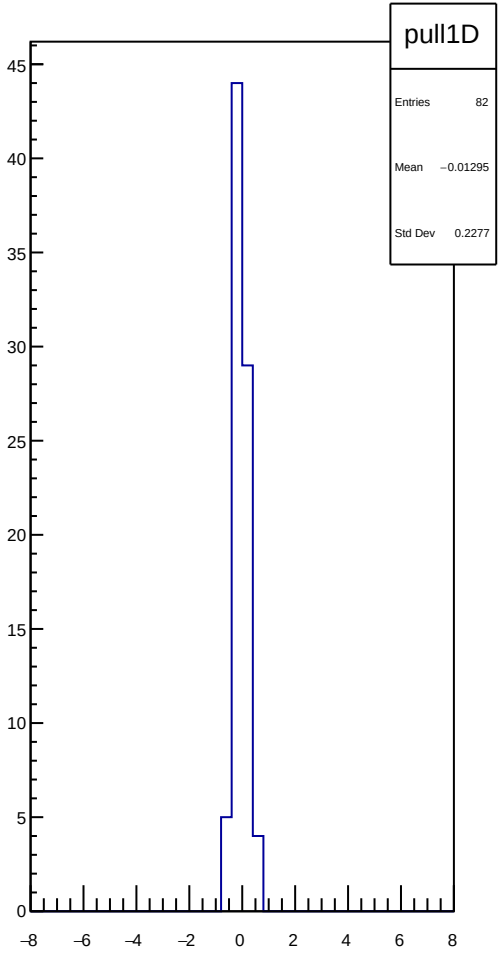

pull1D
Entries 82
Mean −0.1417
Std Dev 0.6341

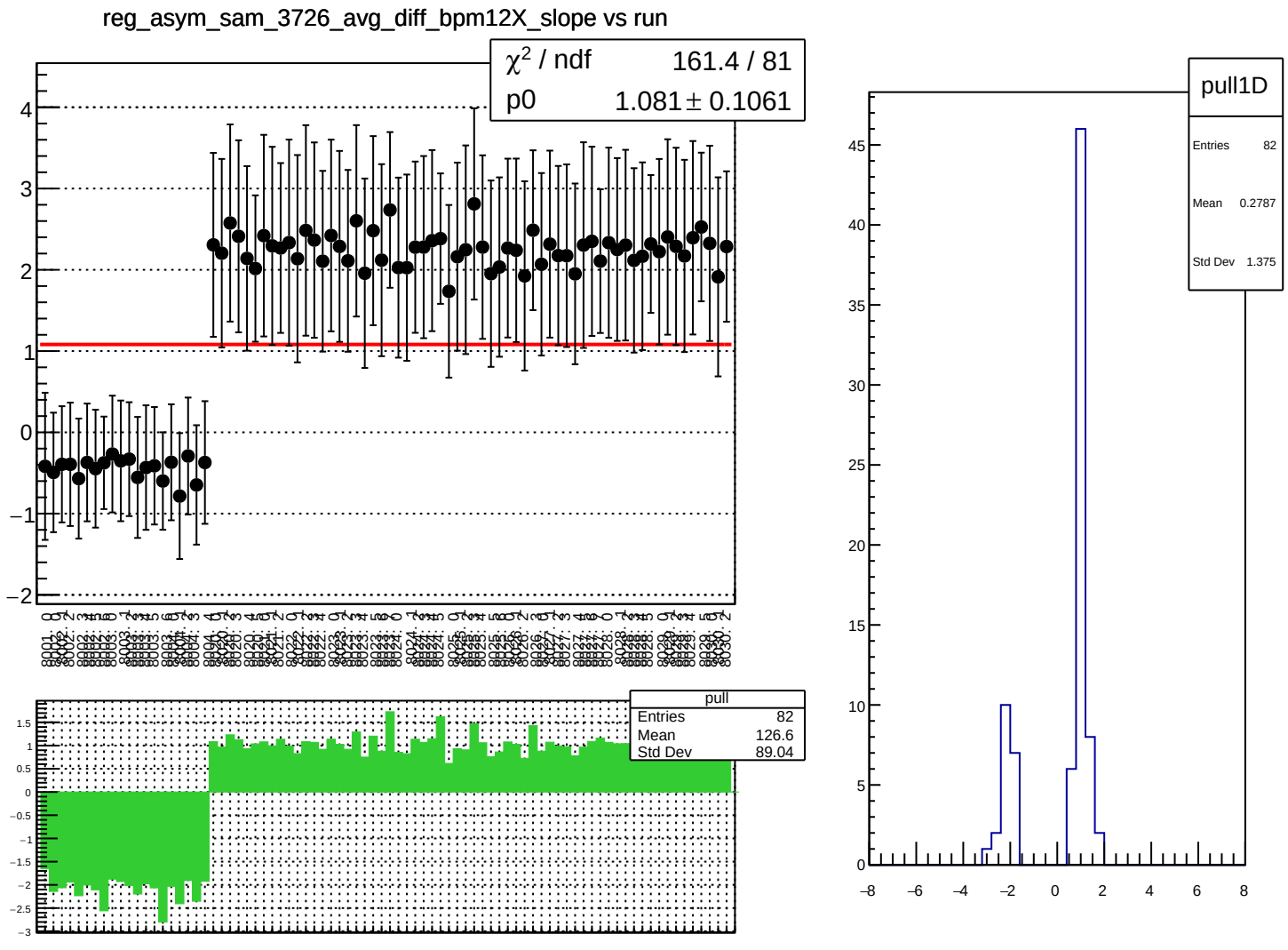

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.444 / 81
p0 −10.45 ± 2.077
pull
Entries 82
Mean −148.4
Std Dev 193.3
pull1D
Entries 82
Mean 0.01124
Std Dev 0.2325

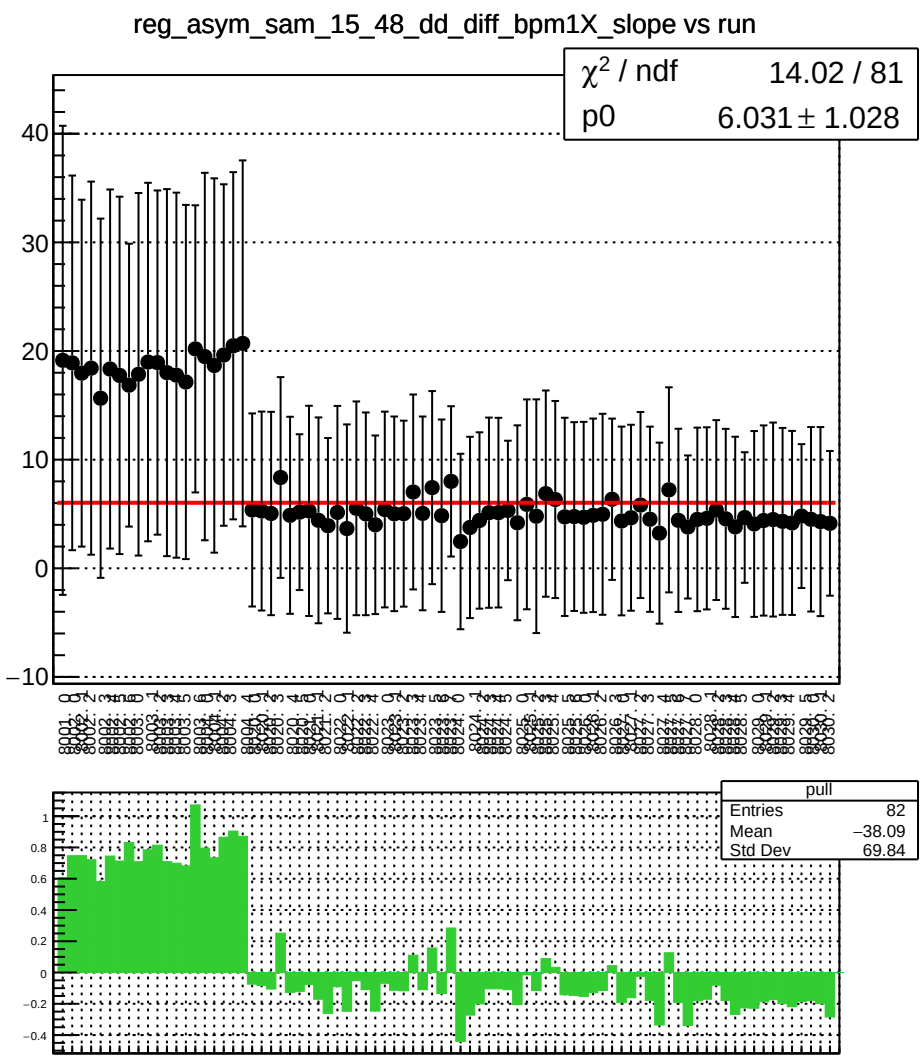

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.89 / 81
p0 −48.99 ± 1.356
pull
Entries 82
Mean −61.01
Std Dev 95.72

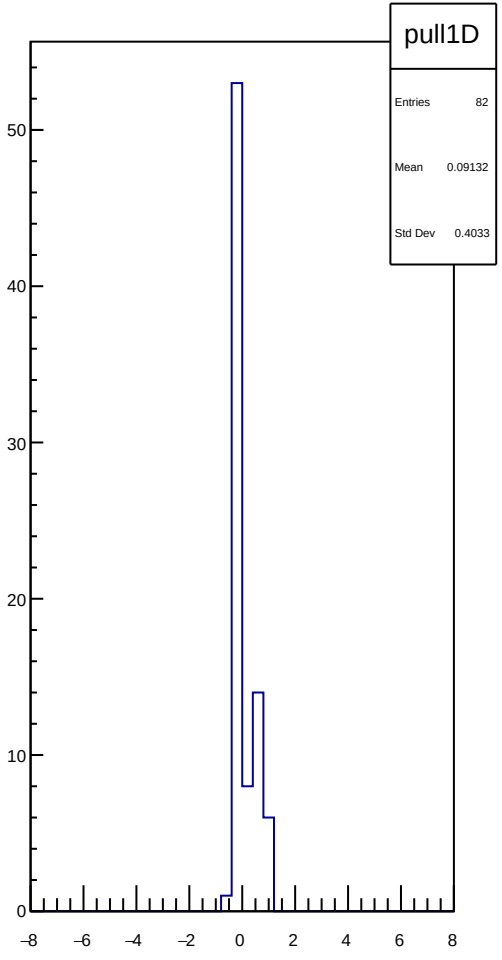

pull1D
Entries 82
Mean 0.08685
Std Dev 0.4973

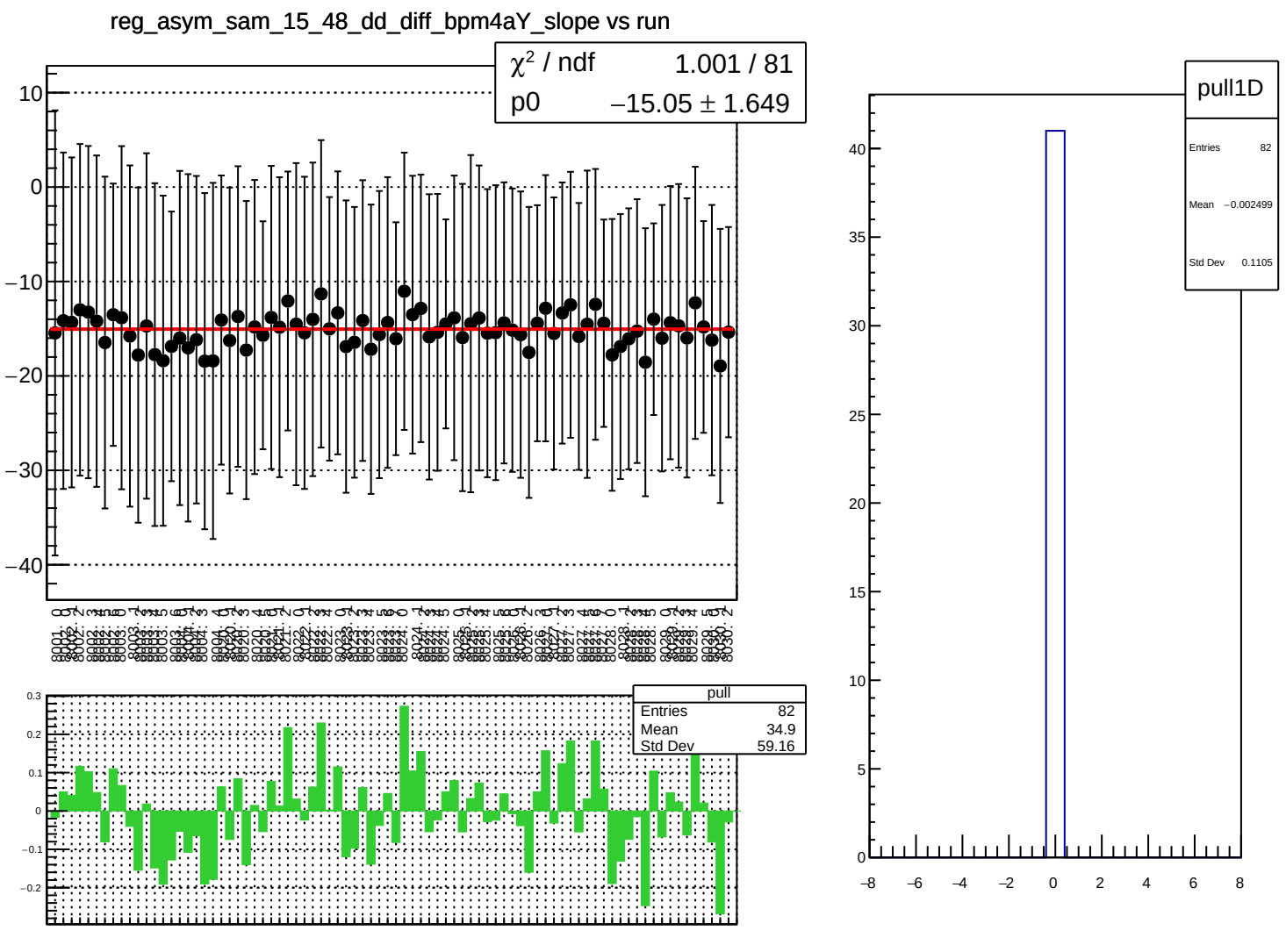

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.264 / 81
p0 −1.321± 2.224
pull
Entries 82
Mean −103.5
Std Dev 145.6

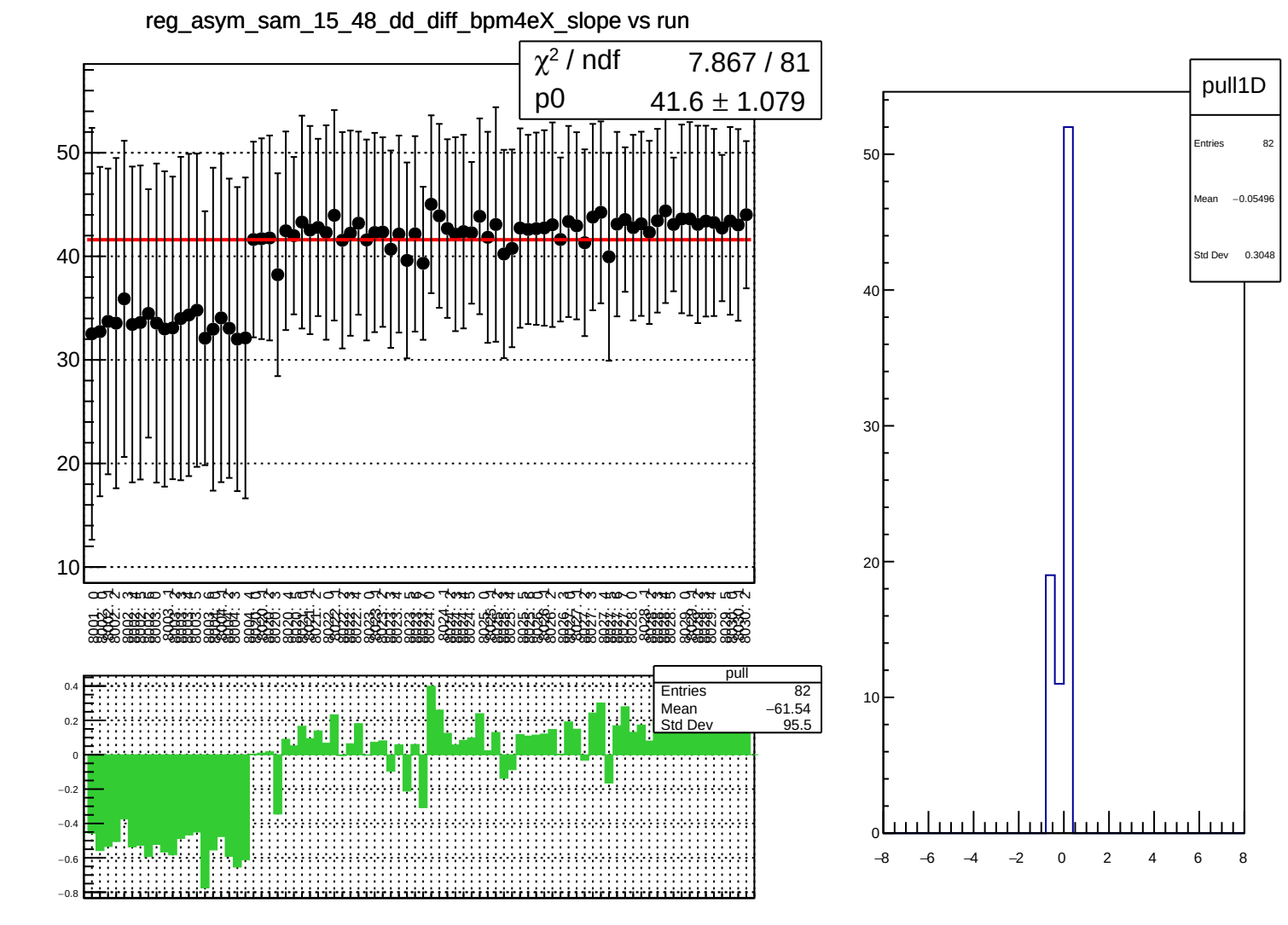

pull1D
Entries 82
Mean −0.01295
Std Dev 0.2277

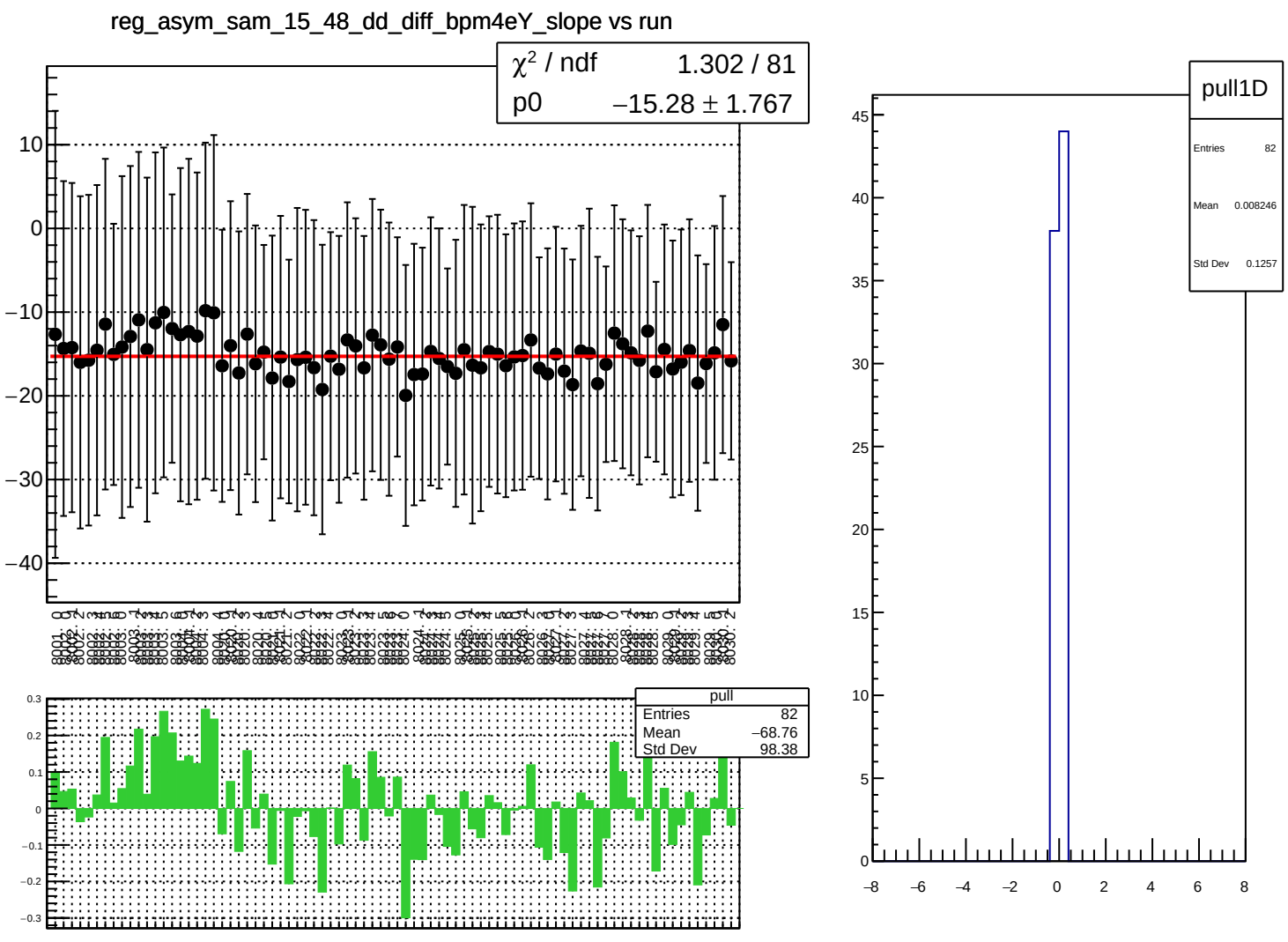

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 161.4 / 81
p0 1.081 ± 0.1061
pull
Entries 82
Mean 126.6
Std Dev 89.04
pull1D
Entries 82
Mean 0.2787
Std Dev 1.375

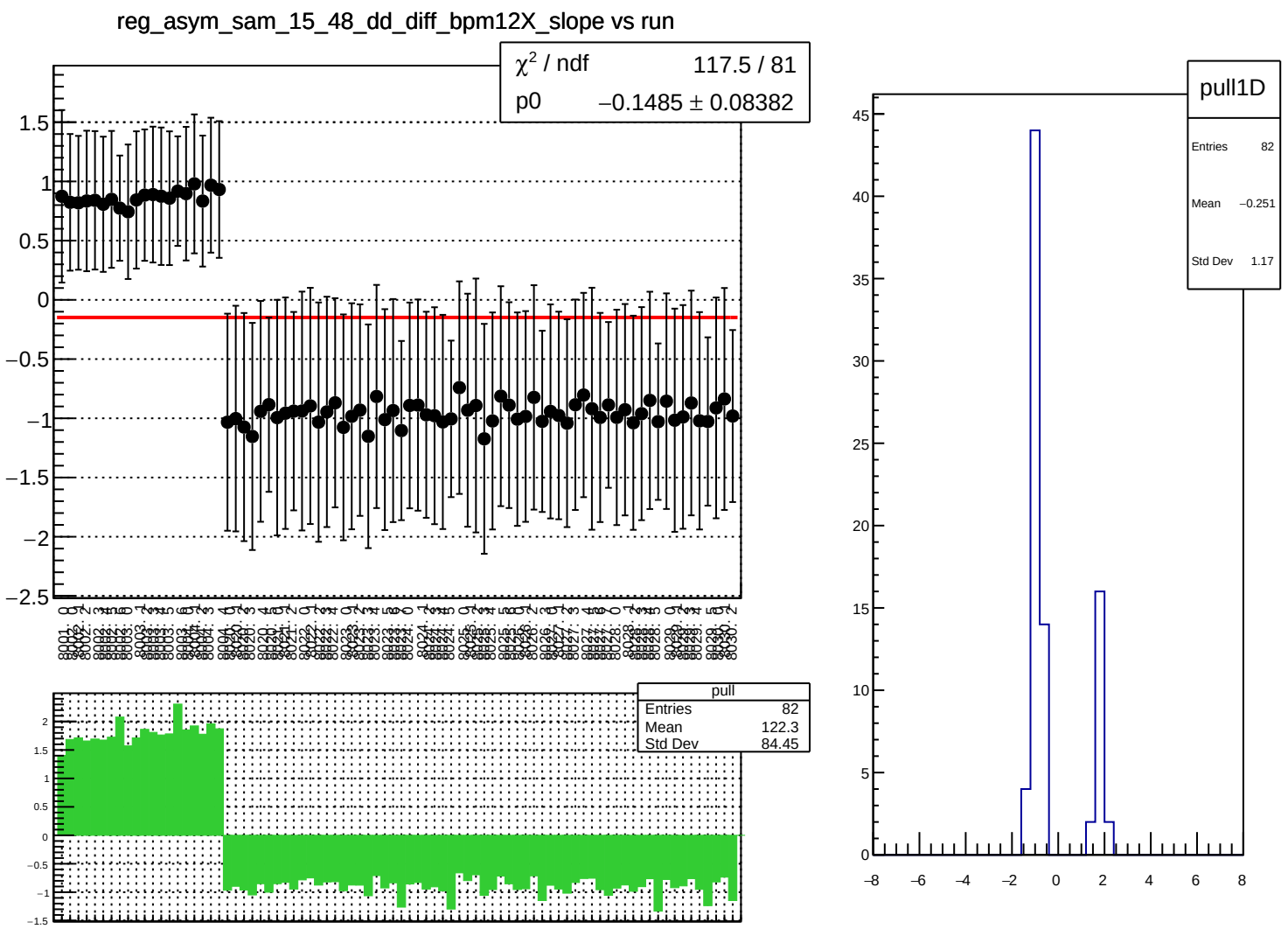

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 14.02 / 81
p0 6.031 ± 1.028
pull
Entries 82
Mean −38.09
Std Dev 69.84

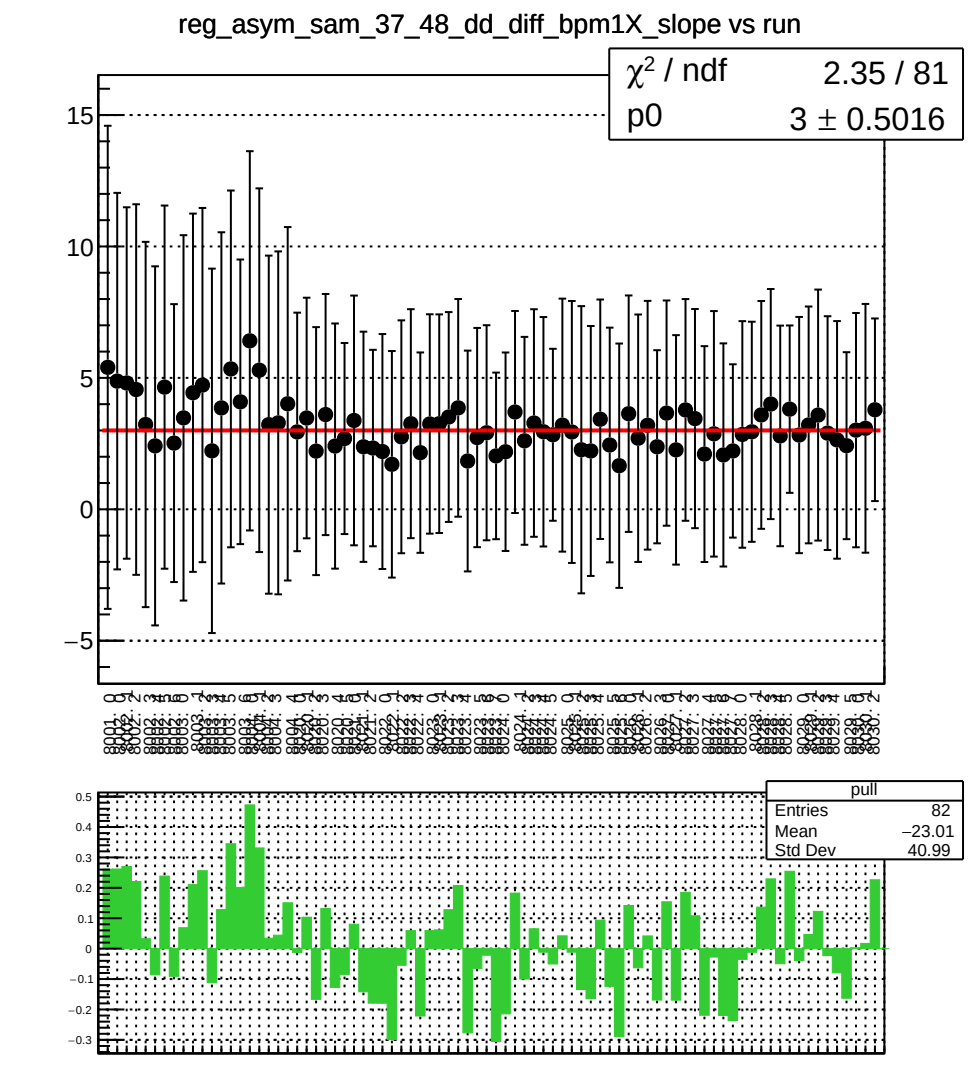

pull1D
Entries 82
Mean 0.09132
Std Dev 0.4033

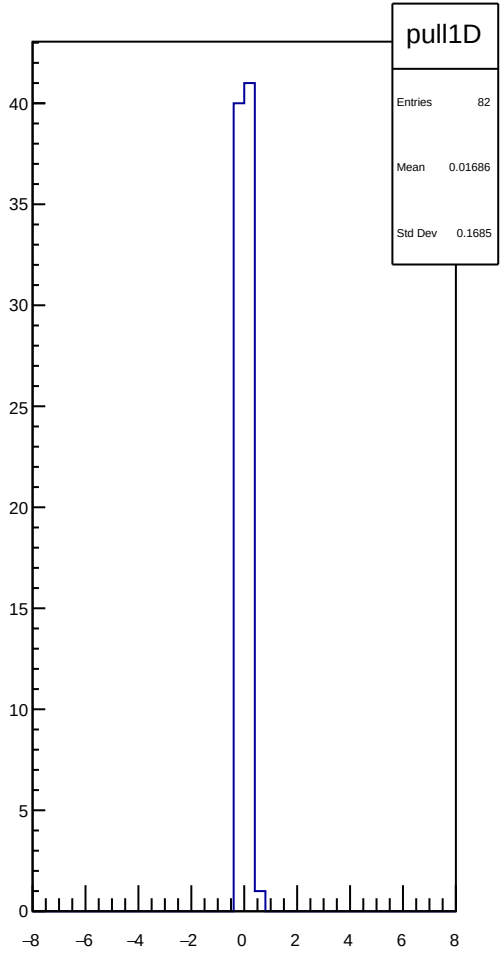

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.001 / 81
p0 −15.05 ± 1.649
pull
Entries 82
Mean 34.9
Std Dev 59.16
pull1D
Entries 82
Mean −0.002499
Std Dev 0.1105

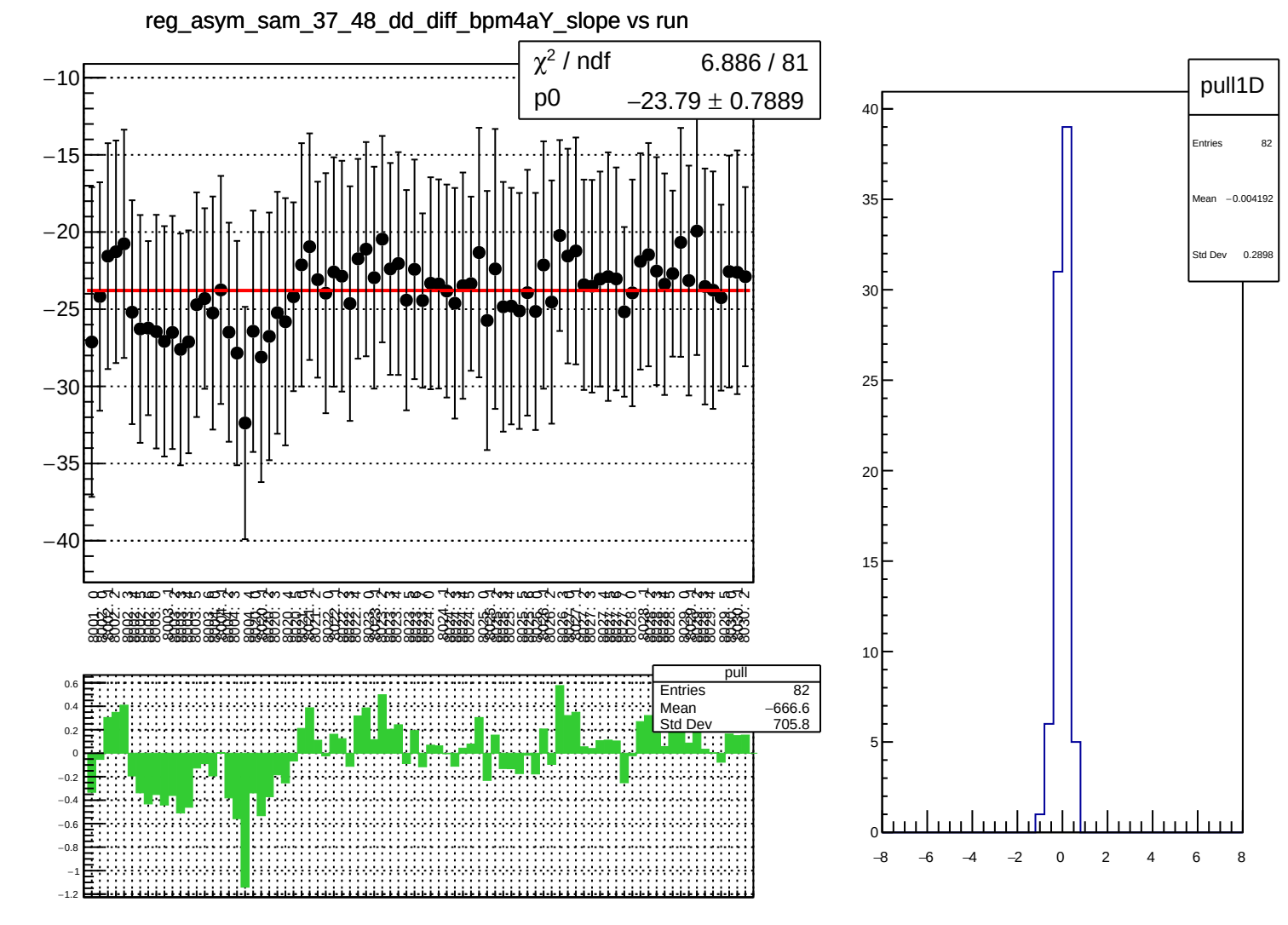

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.867 / 81
p0 41.6 ± 1.079
pull
Entries 82
Mean −61.54
Std Dev 95.5
pull1D
Entries 82
Mean −0.05496
Std Dev 0.3048

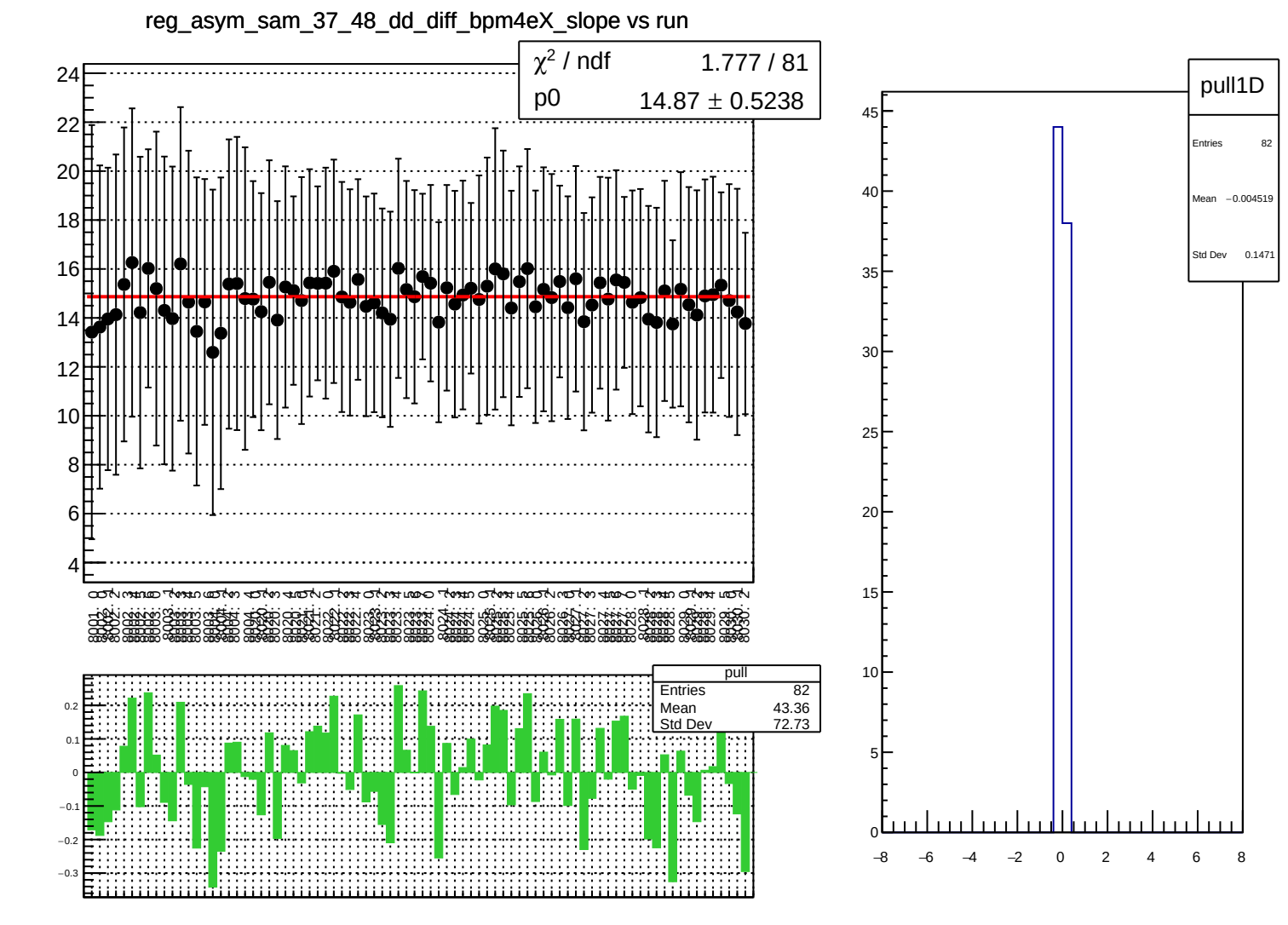

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.302 / 81
p0 −15.28 ± 1.767
pull
Entries 82
Mean −68.76
Std Dev 98.38
pull1D
Entries 82
Mean 0.008246
Std Dev 0.1257

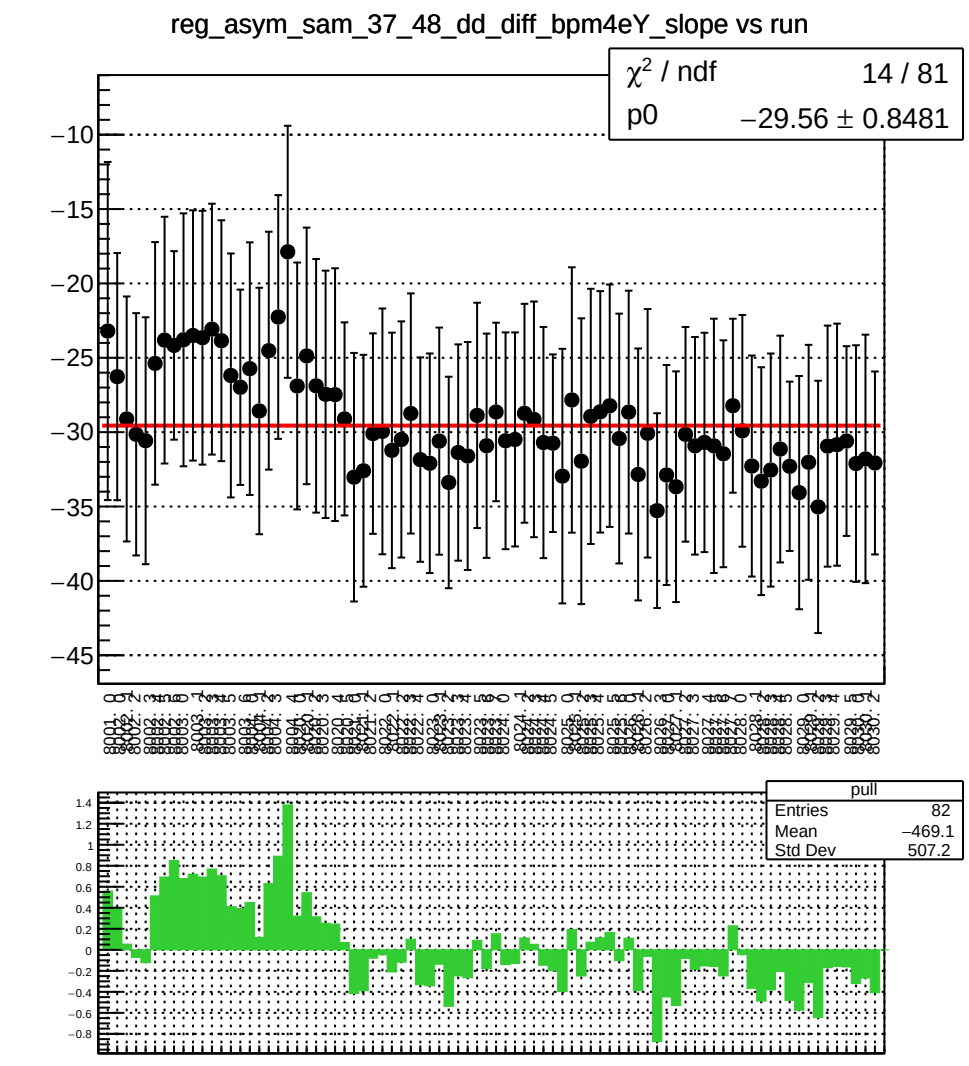

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 117.5 / 81
p0 −0.1485 ± 0.08382
pull
Entries 82
Mean 122.3
Std Dev 84.45
pull1D
Entries 82
Mean −0.251
Std Dev 1.17

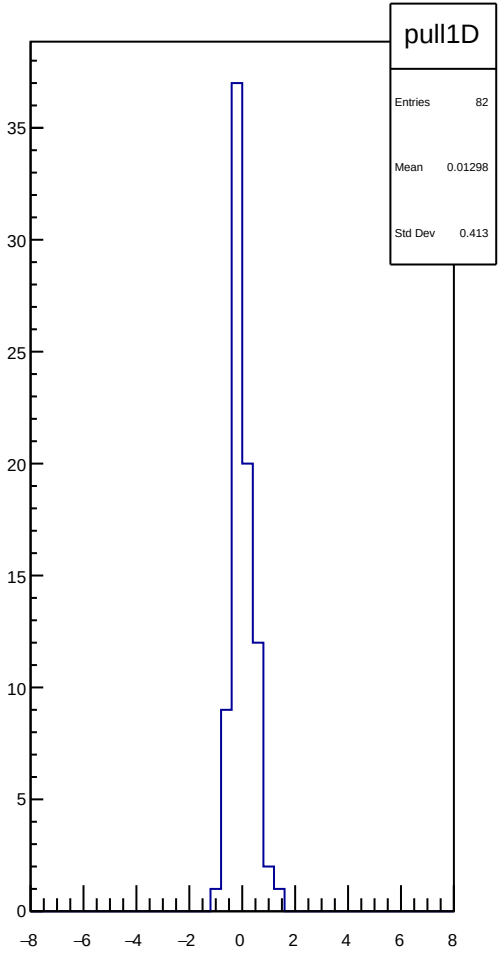

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.35 / 81
p0 3 ± 0.5016
pull
Entries 82
Mean −23.01
Std Dev 40.99

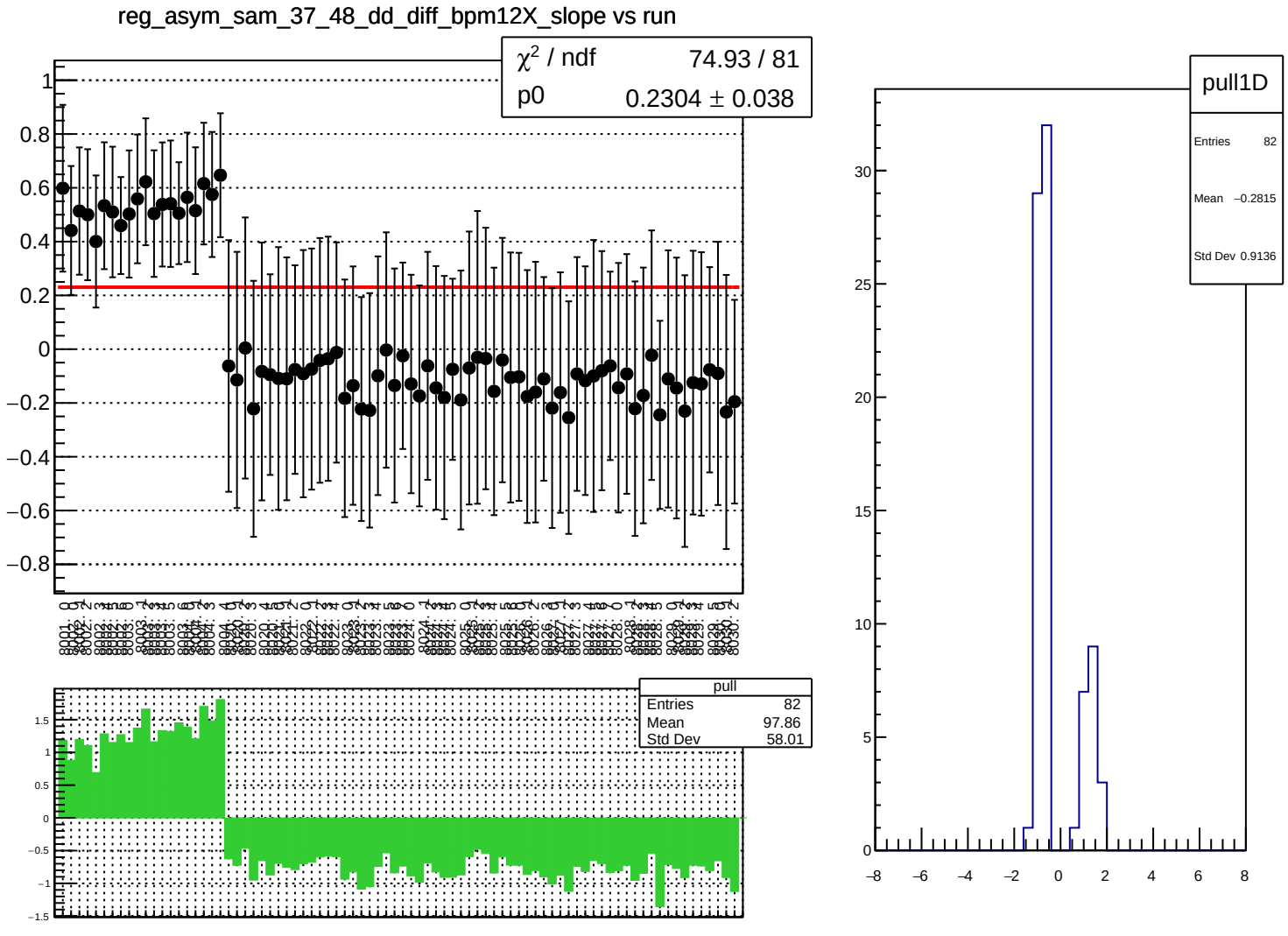

pull1D
Entries 82
Mean 0.01686
Std Dev 0.1685

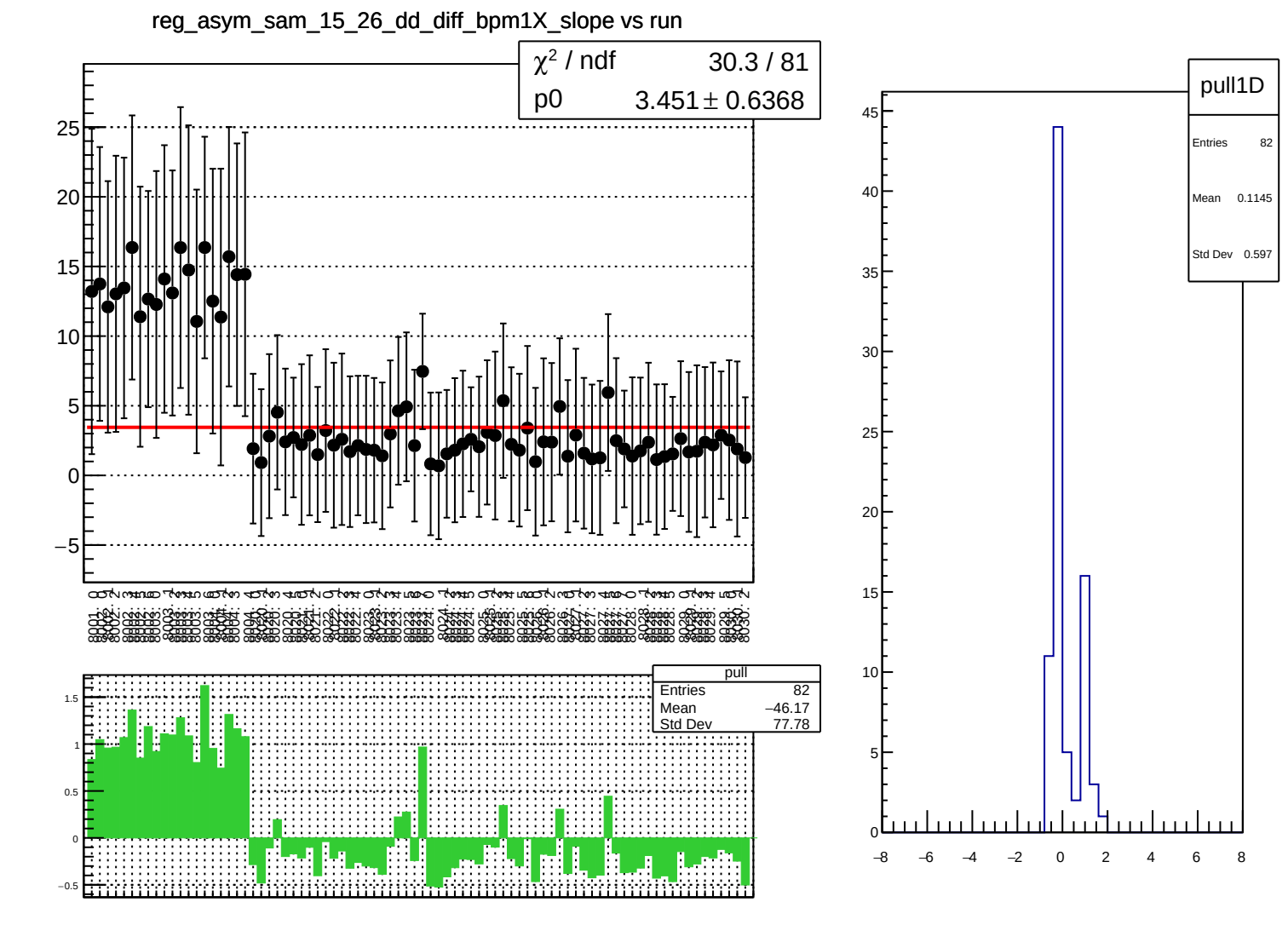

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.886 / 81
p0 −23.79 ± 0.7889
pull
Entries 82
Mean −666.6
Std Dev 705.8
pull1D
Entries 82
Mean −0.004192
Std Dev 0.2898

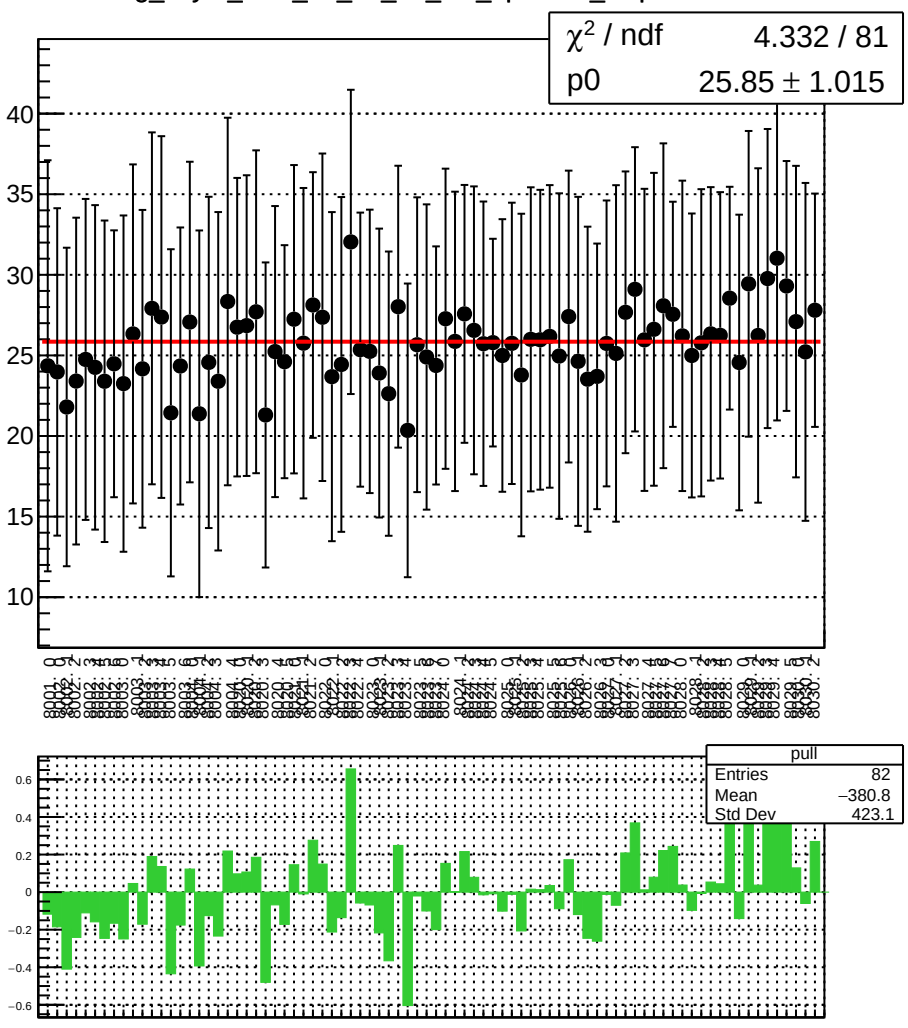

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.777 / 81
p0 14.87 ± 0.5238
pull
Entries 82
Mean 43.36
Std Dev 72.73
pull1D
Entries 82
Mean −0.004519
Std Dev 0.1471

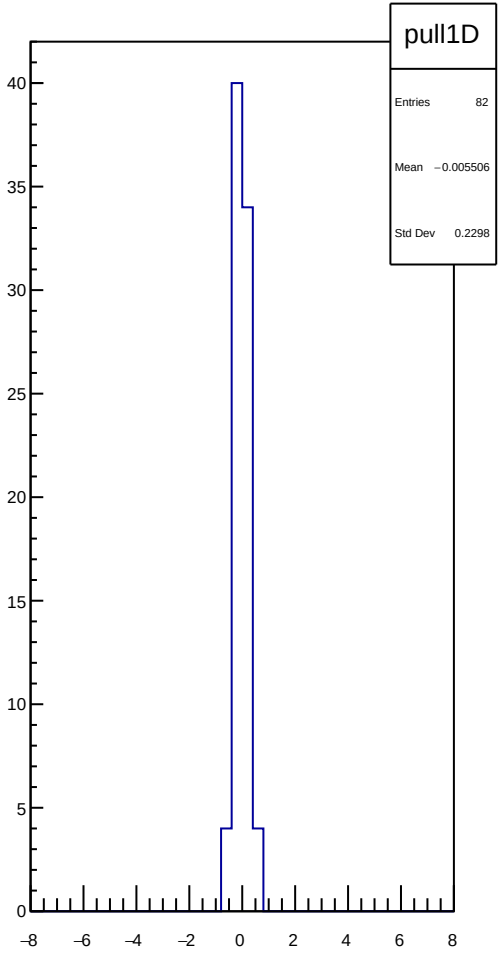

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14 / 81
p0 −29.56 ± 0.8481
pull
Entries 82
Mean −469.1
Std Dev 507.2

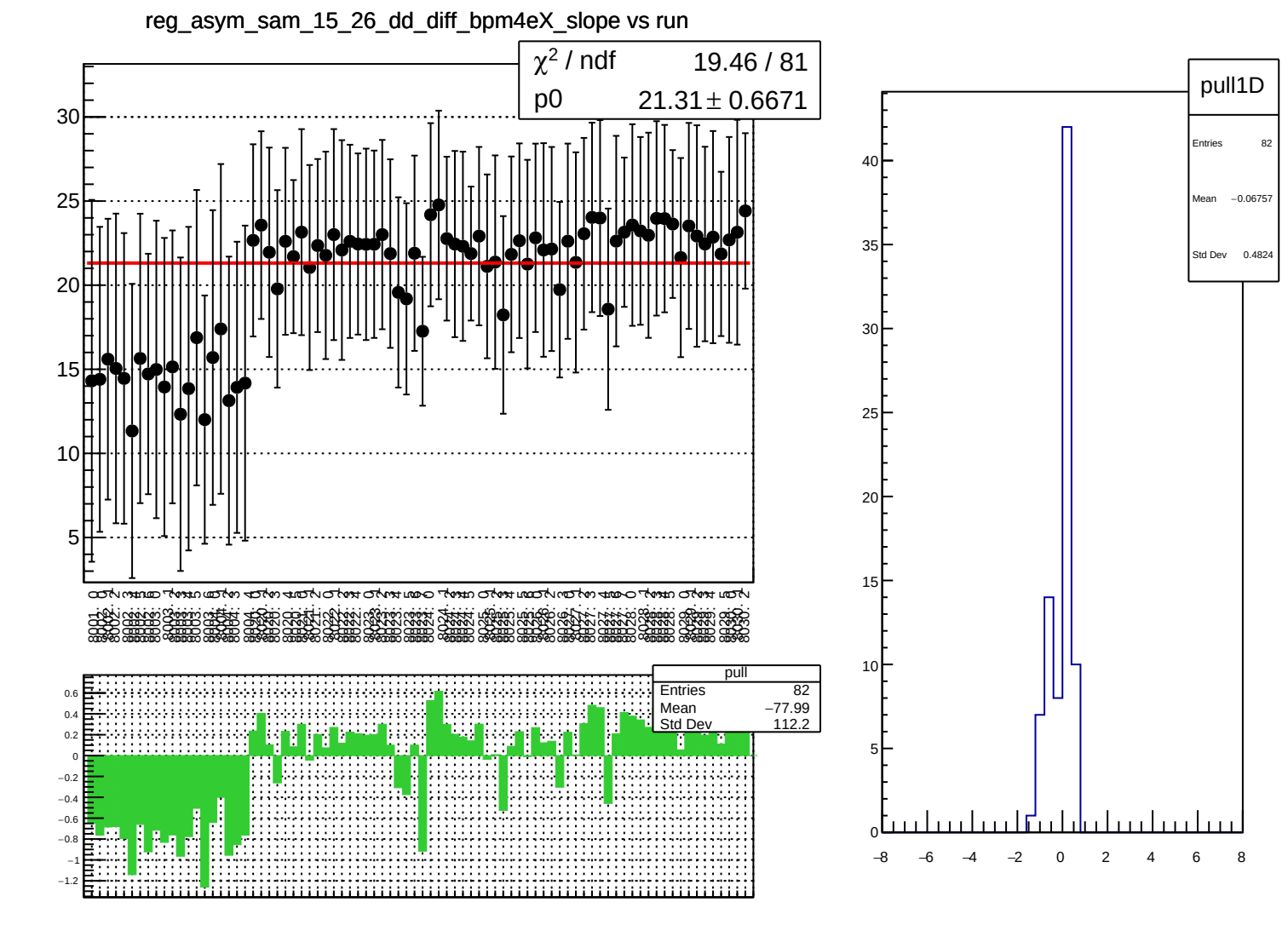

pull1D
Entries 82
Mean 0.01298
Std Dev 0.413

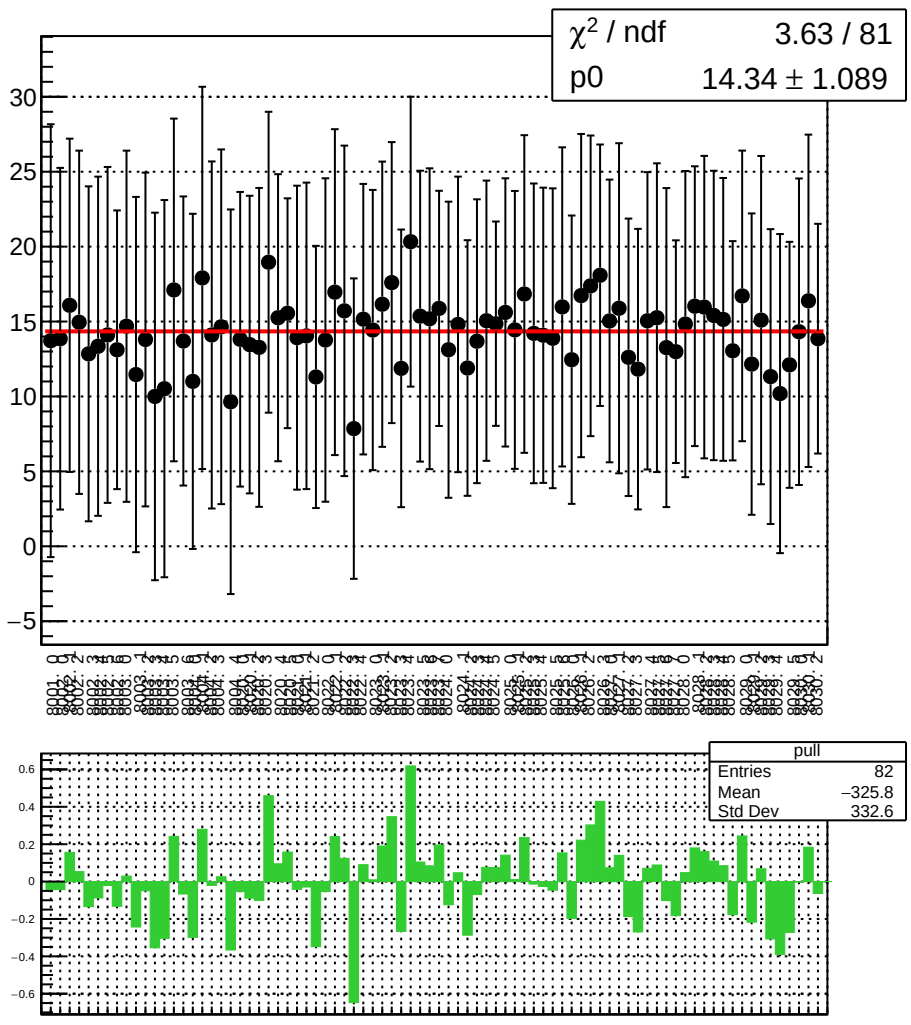

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 74.93 / 81
p0 0.2304 ± 0.038
pull
Entries 82
Mean 97.86
Std Dev 58.01
pull1D
Entries 82
Mean −0.2815
Std Dev 0.9136

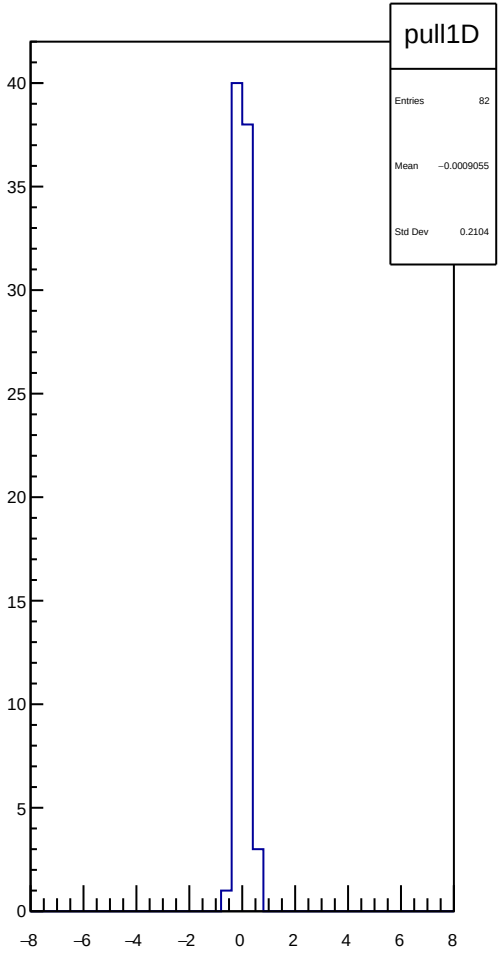

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 30.3 / 81
p0 3.451 ± 0.6368
pull
Entries 82
Mean −46.17
Std Dev 77.78
pull1D
Entries 82
Mean 0.1145
Std Dev 0.597

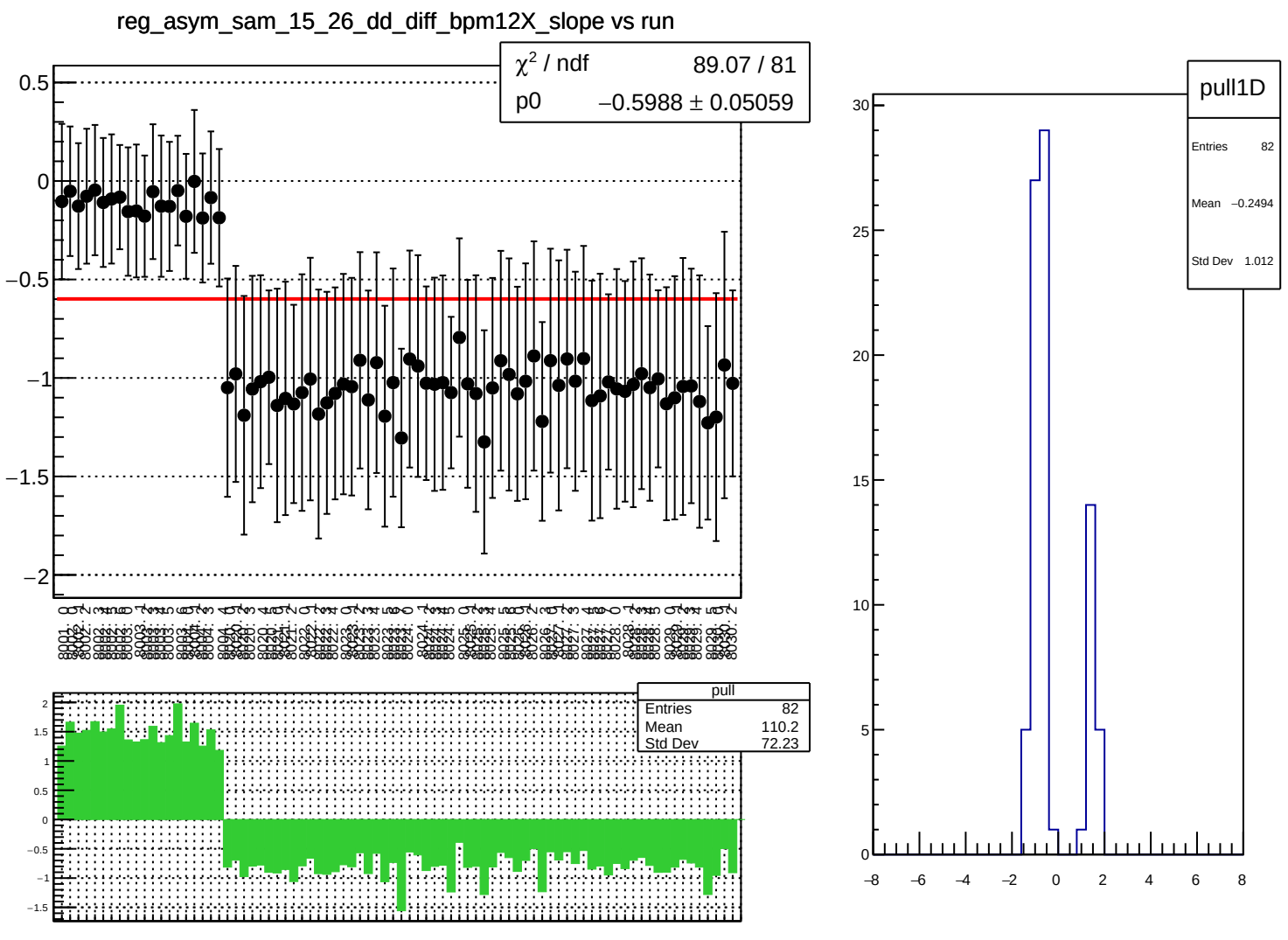

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.332 / 81
p0 25.85 ± 1.015
pull
Entries 82
Mean −380.8
Std Dev 423.1

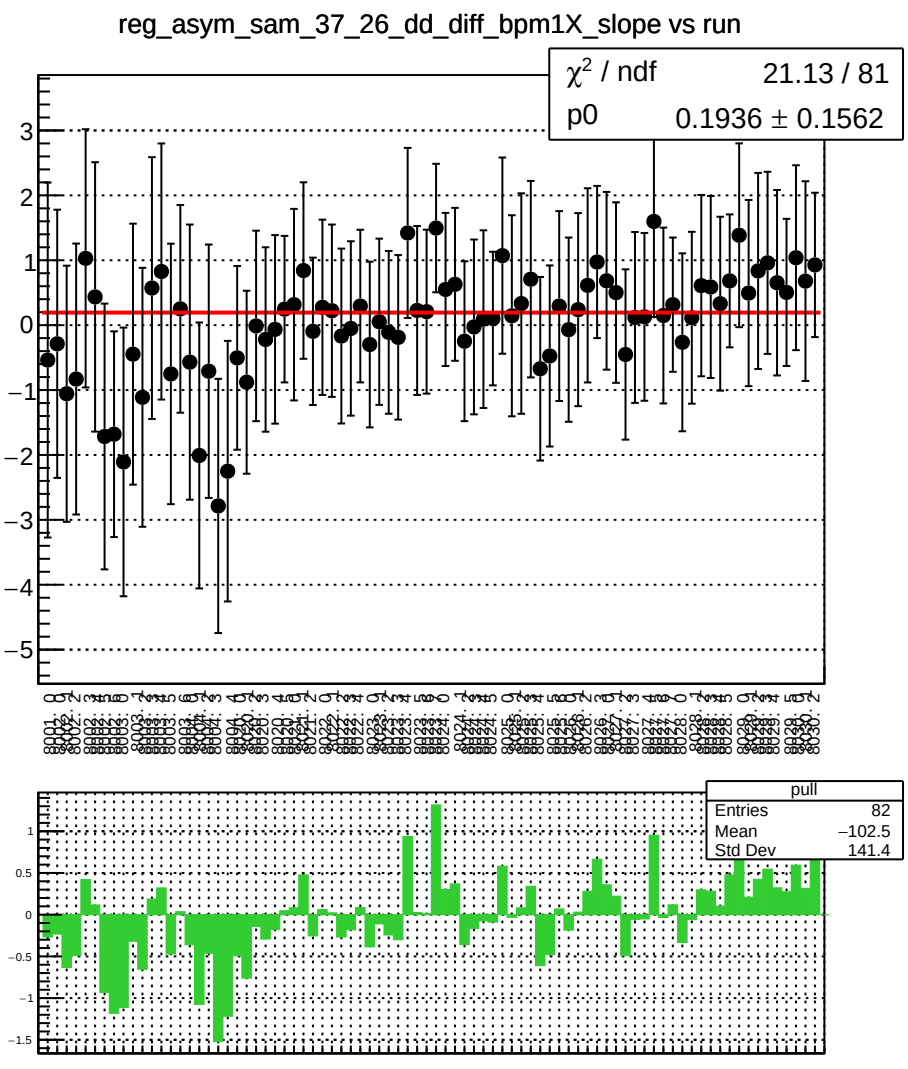

pull1D
Entries 82
Mean −0.005506
Std Dev 0.2298

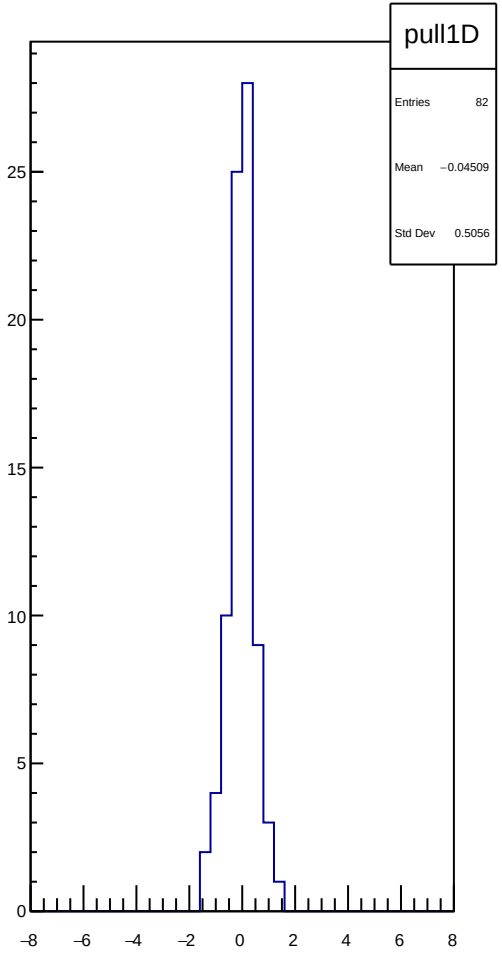

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.46 / 81
p0 21.31 ± 0.6671
pull
Entries 82
Mean −77.99
Std Dev 112.2
pull1D
Entries 82
Mean −0.06757
Std Dev 0.4824

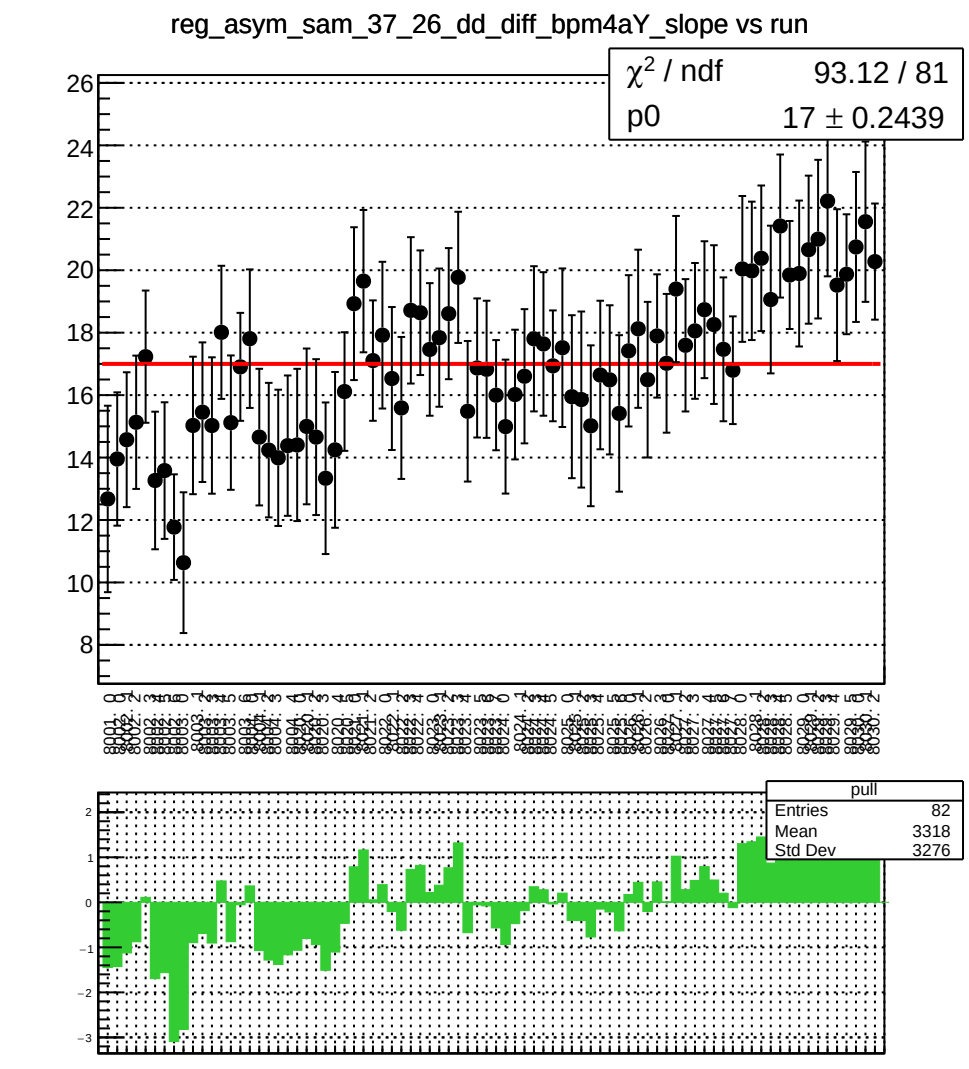

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.63 / 81
p0 14.34 ± 1.089
pull
Entries 82
Mean −325.8
Std Dev 332.6

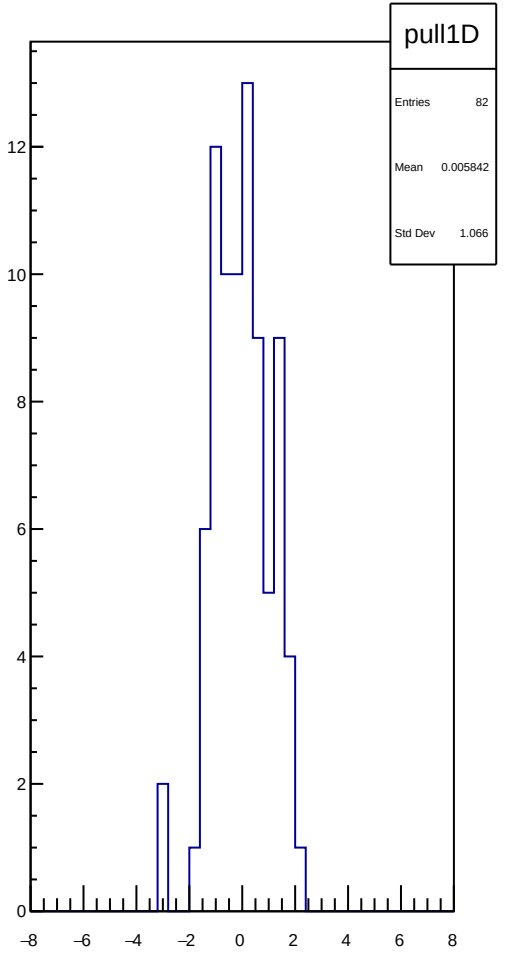

pull1D
Entries 82
Mean −0.0009055
Std Dev 0.2104

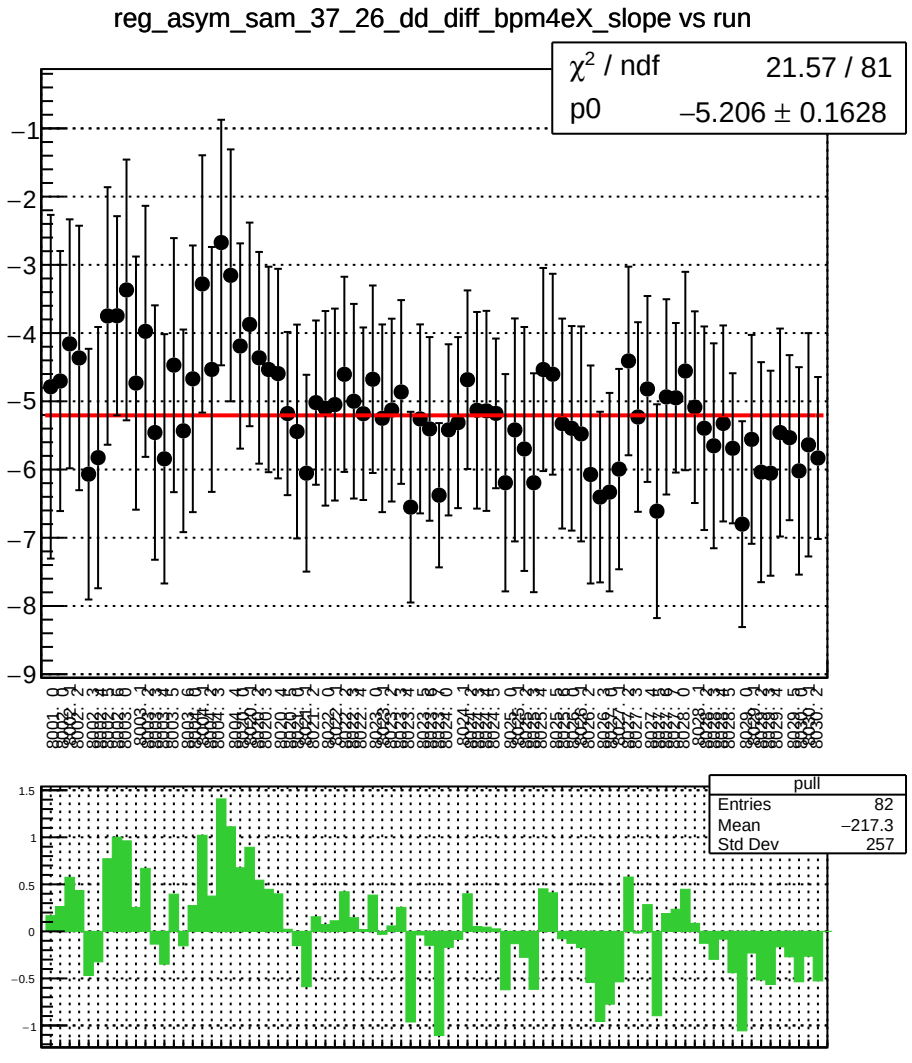

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 89.07 / 81
p0 −0.5988 ± 0.05059
pull
Entries 82
Mean 110.2
Std Dev 72.23
pull1D
Entries 82
Mean −0.2494
Std Dev 1.012

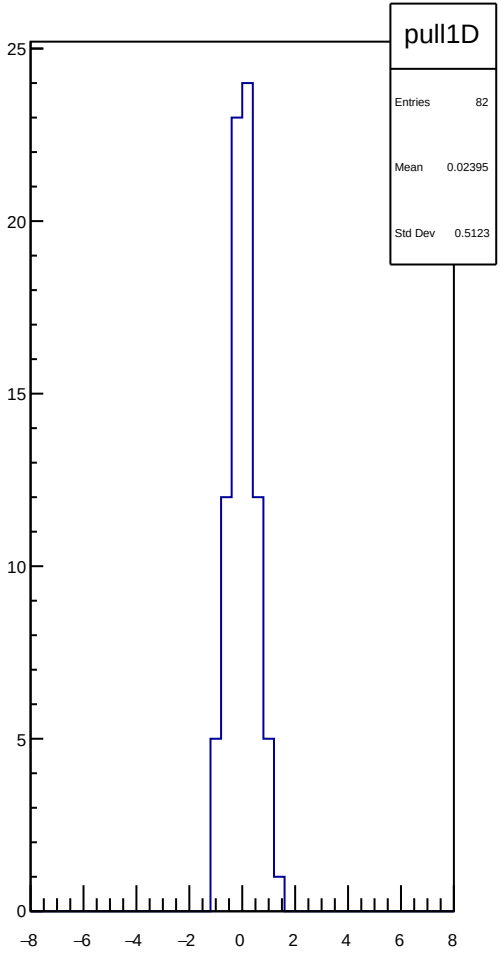

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 21.13 / 81
p0 0.1936 ± 0.1562
pull
Entries 82
Mean −102.5
Std Dev 141.4

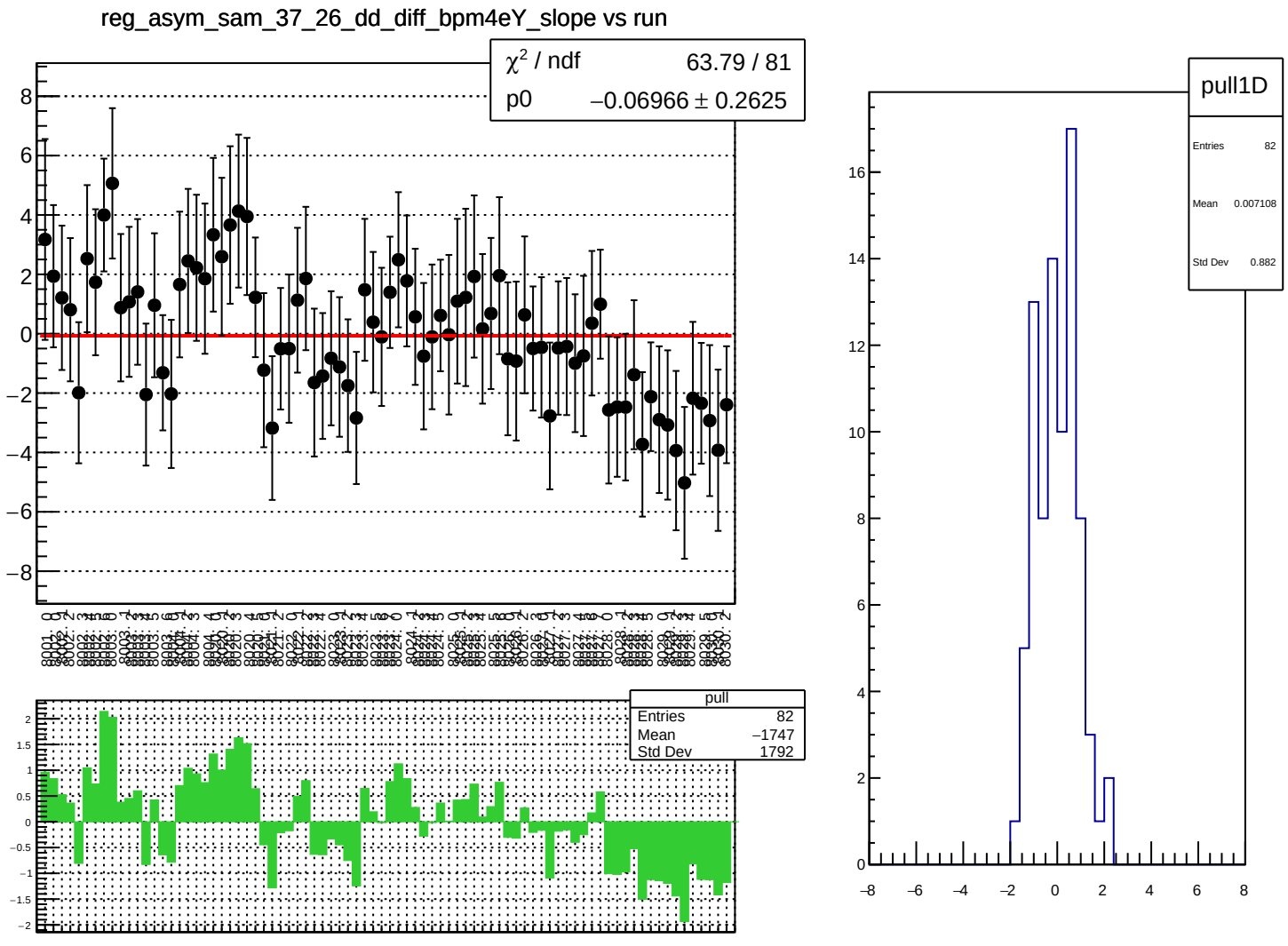

pull1D
Entries 82
Mean −0.04509
Std Dev 0.5056

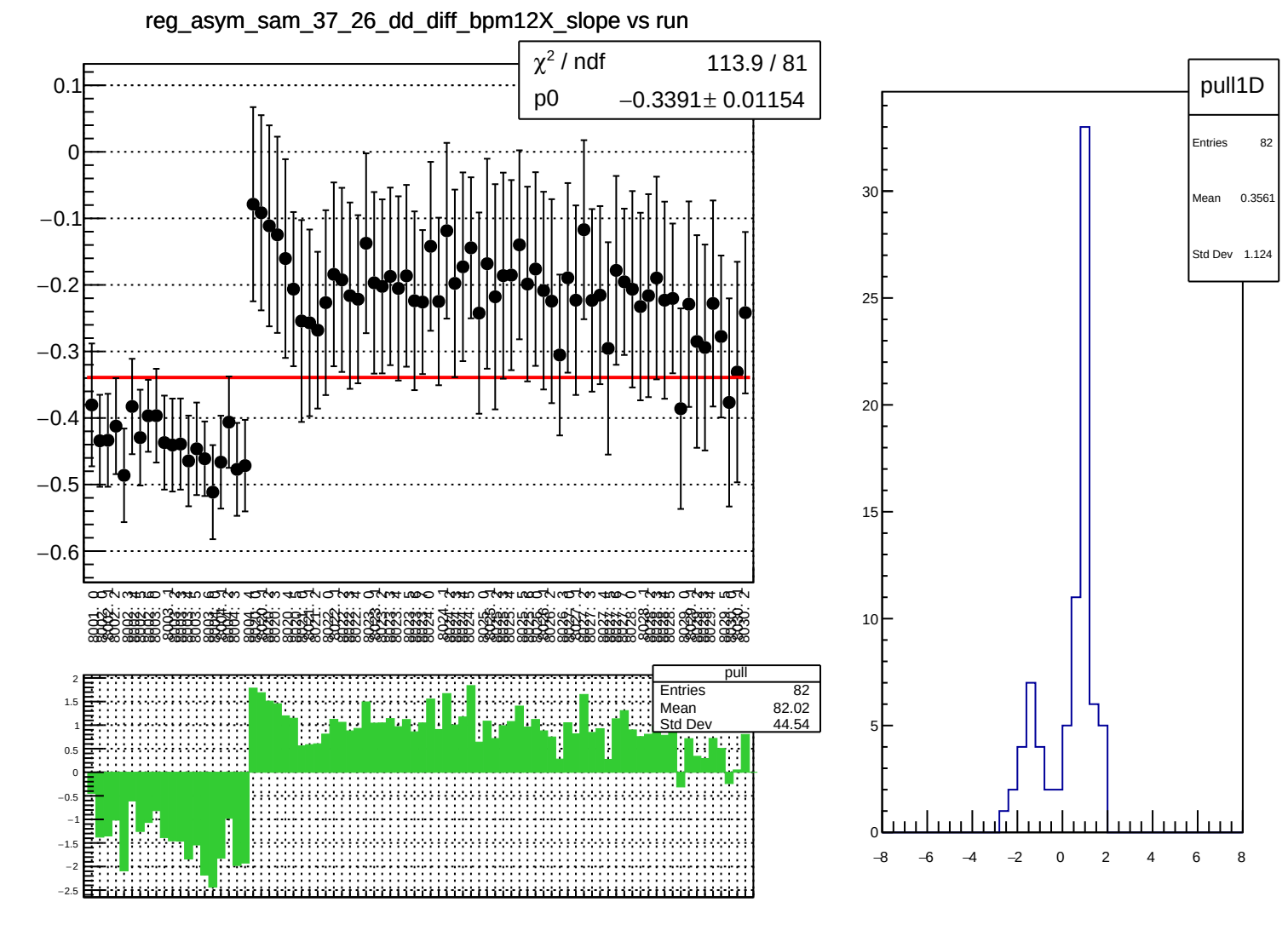

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.12 / 81
p0 17 ± 0.2439
pull
Entries 82
Mean 3318
Std Dev 3276

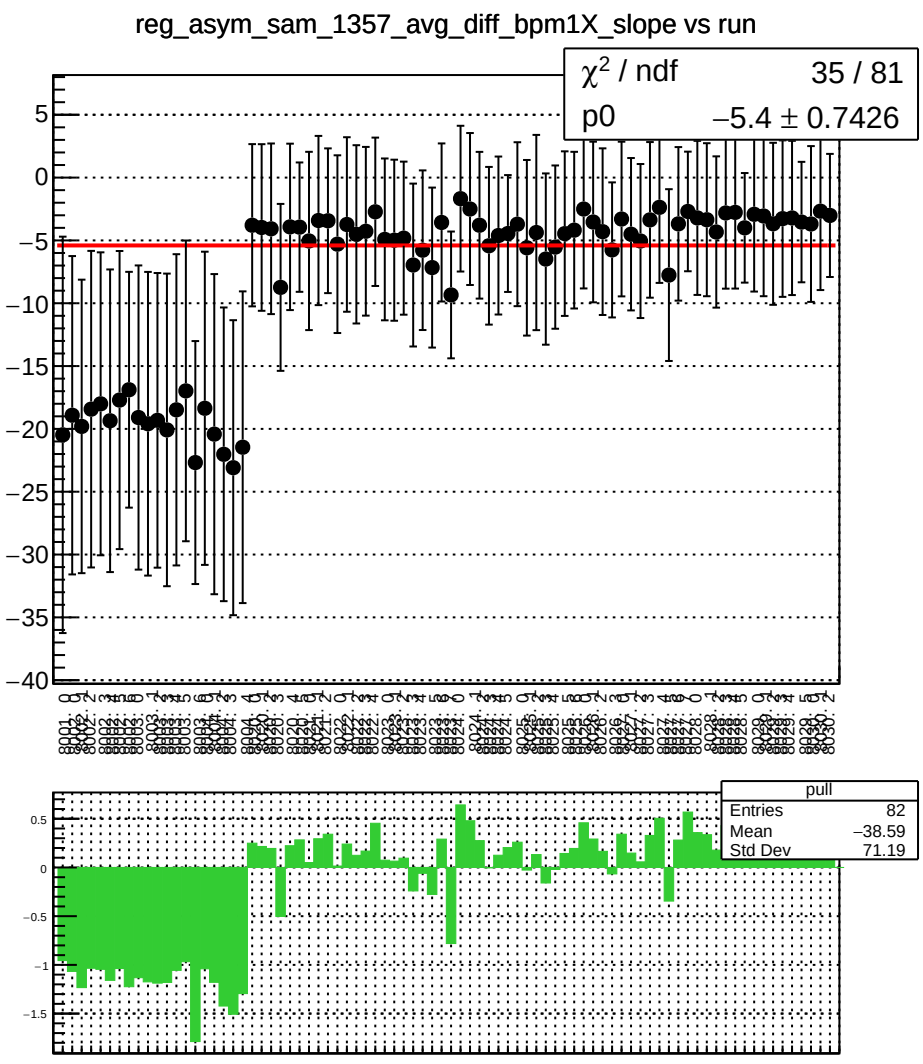

pull1D
Entries 82
Mean 0.005842
Std Dev 1.066

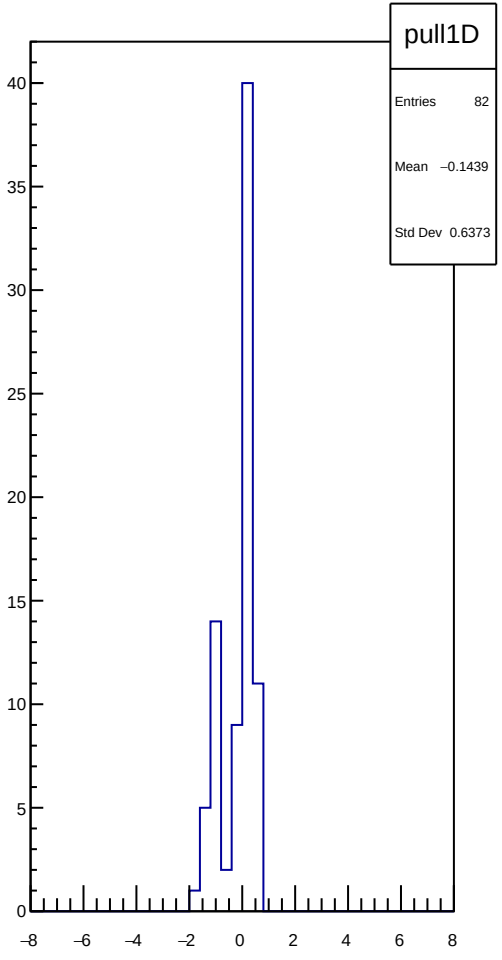

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.57 / 81
p0 −5.206 ± 0.1628
pull
Entries 82
Mean −217.3
Std Dev 257

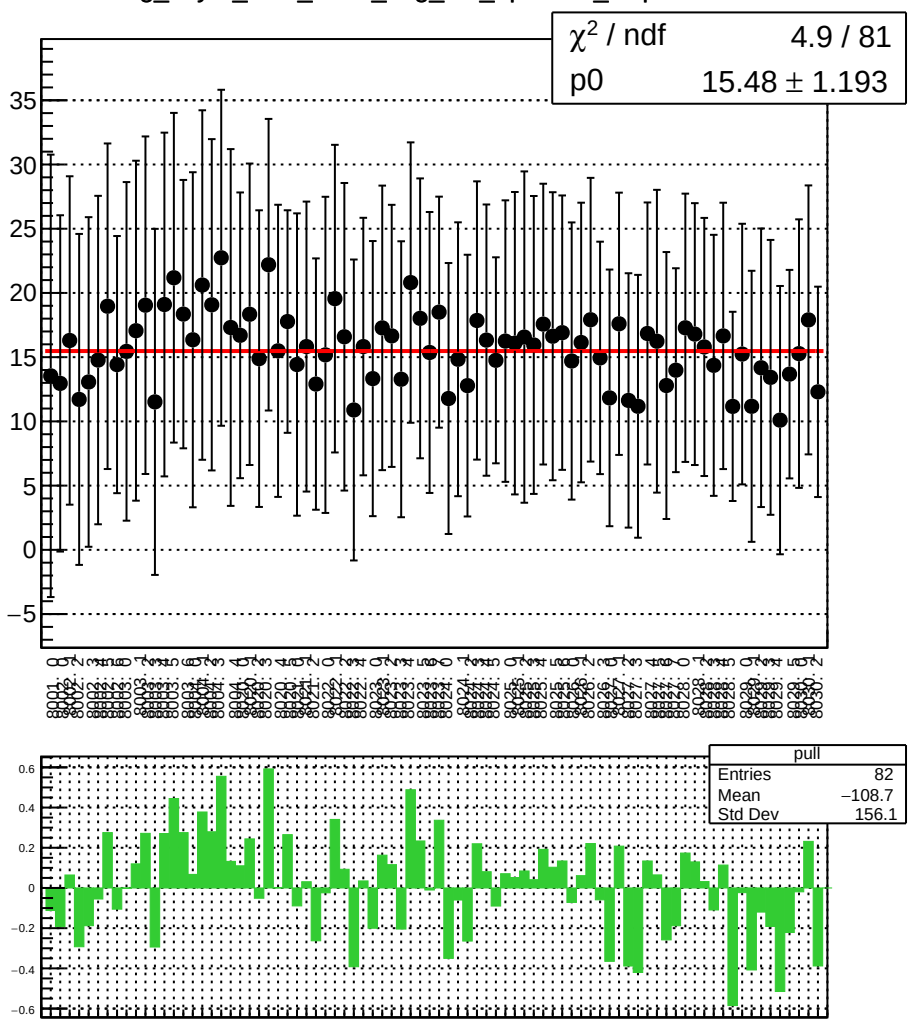

pull1D
Entries 82
Mean 0.02395
Std Dev 0.5123

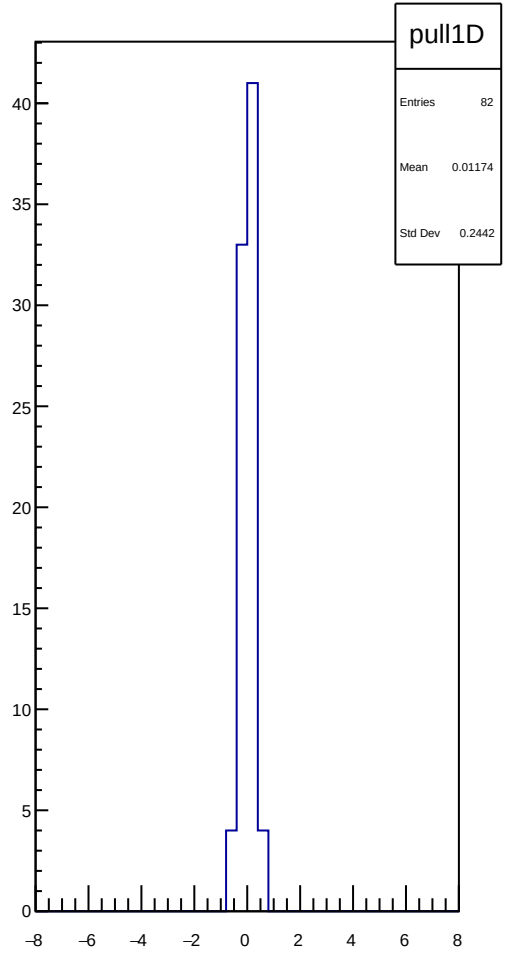

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.79 / 81
p0 −0.06966 ± 0.2625
pull
Entries 82
Mean −1747
Std Dev 1792
pull1D
Entries 82
Mean 0.007108
Std Dev 0.882

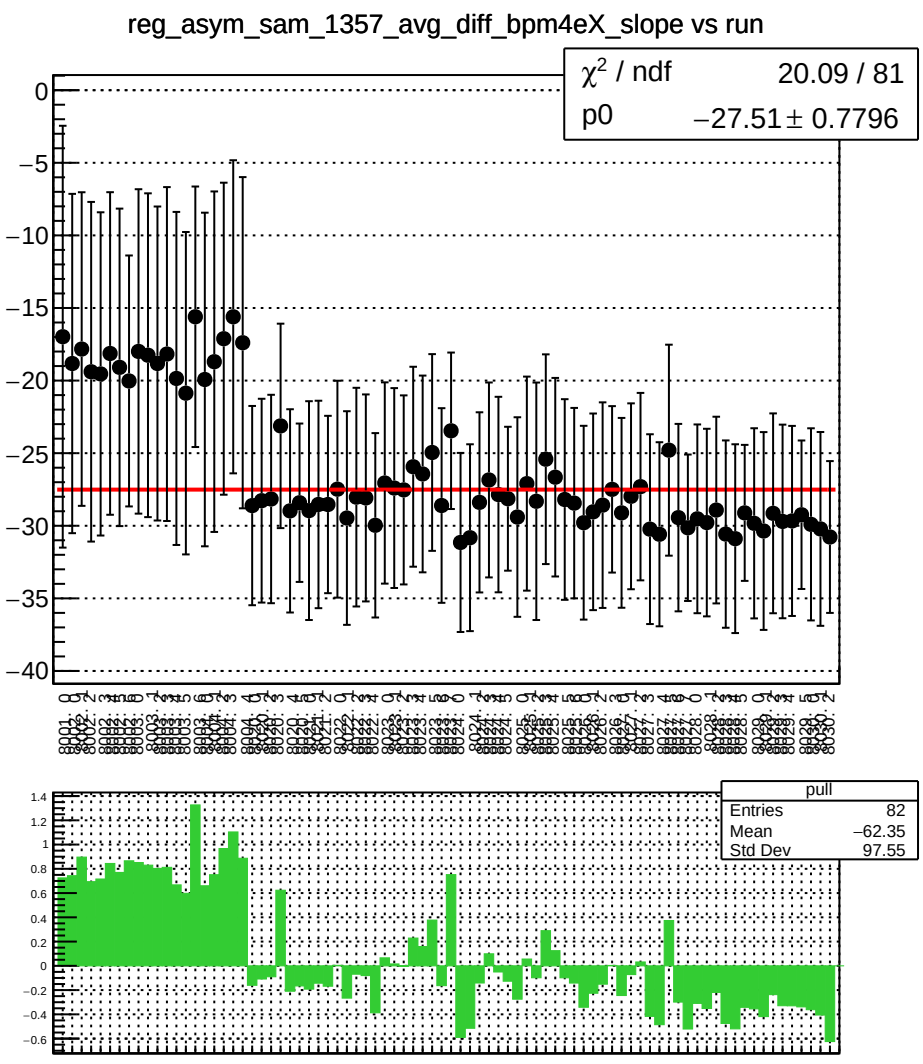

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 113.9 / 81
p0 −0.3391± 0.01154
pull
Entries 82
Mean 82.02
Std Dev 44.54
pull1D
Entries 82
Mean 0.3561
Std Dev 1.124

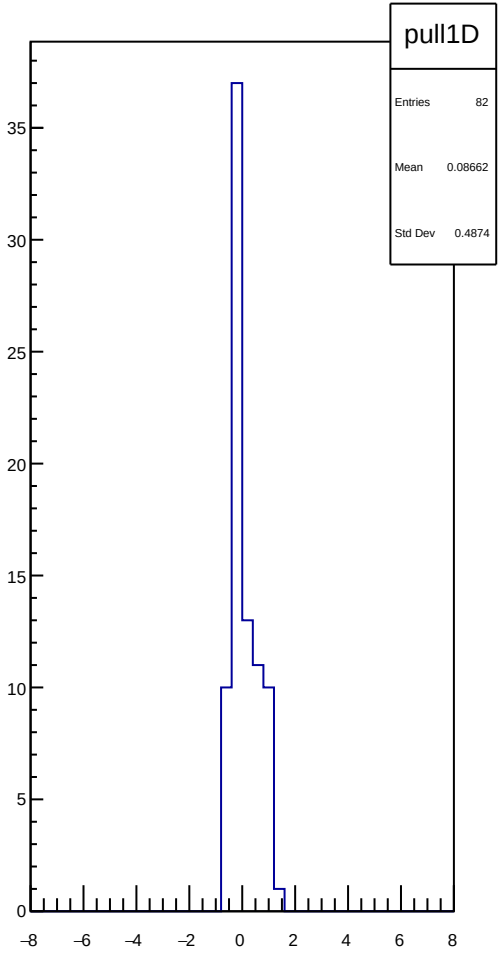

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 35 / 81
p0 −5.4 ± 0.7426
pull
Entries 82
Mean −38.59
Std Dev 71.19

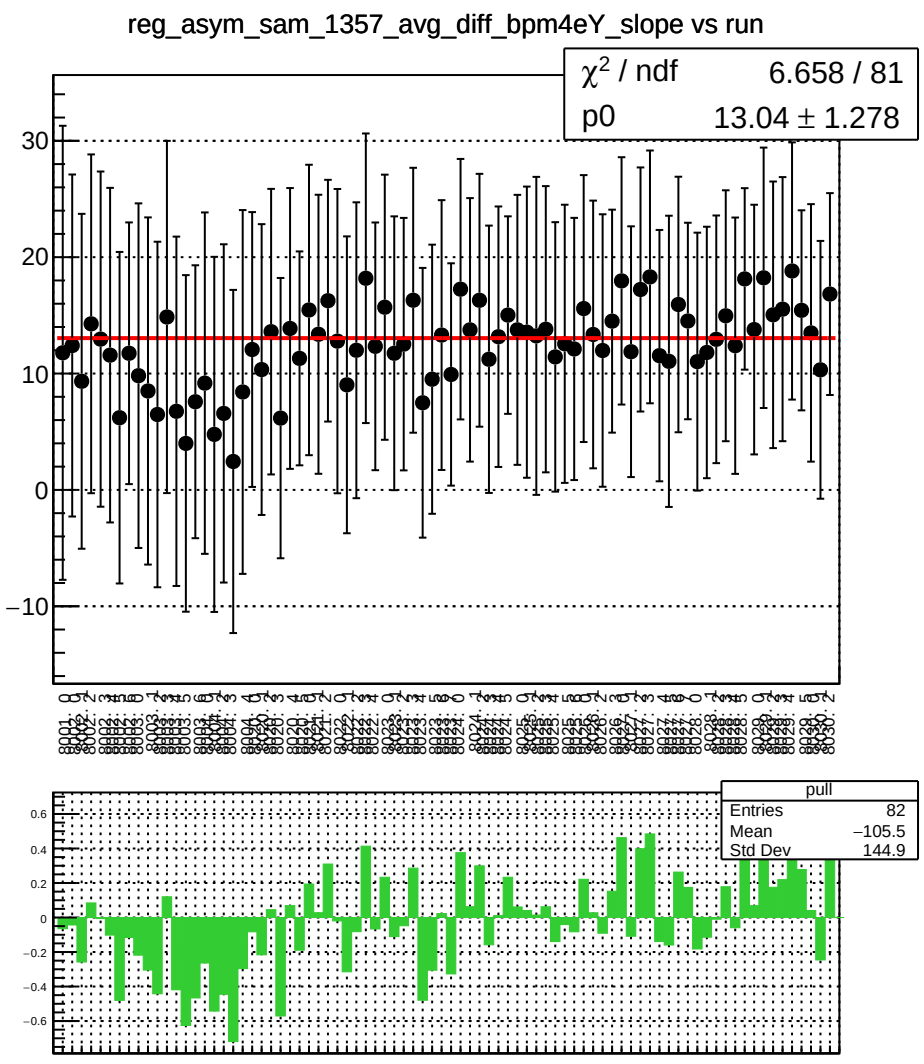

pull1D
Entries 82
Mean −0.1439
Std Dev 0.6373

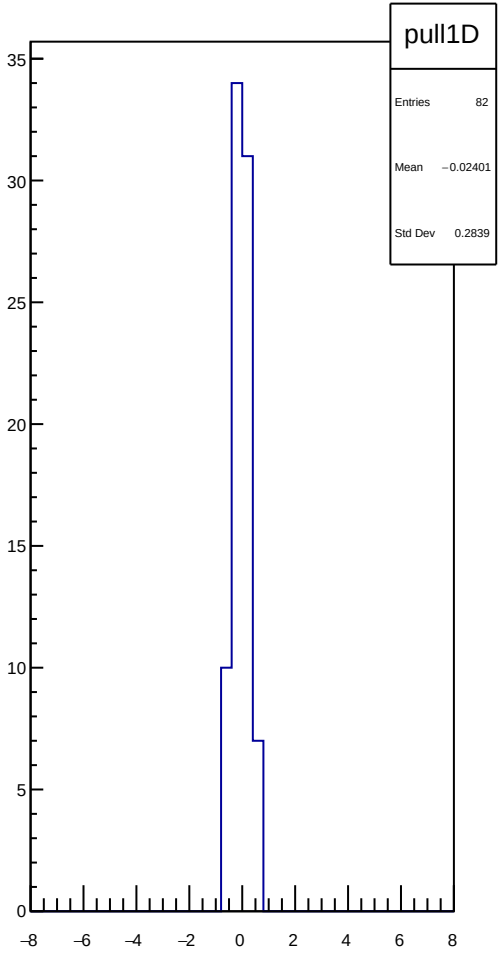

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.9 / 81
p0 15.48 ± 1.193
pull
Entries 82
Mean −108.7
Std Dev 156.1

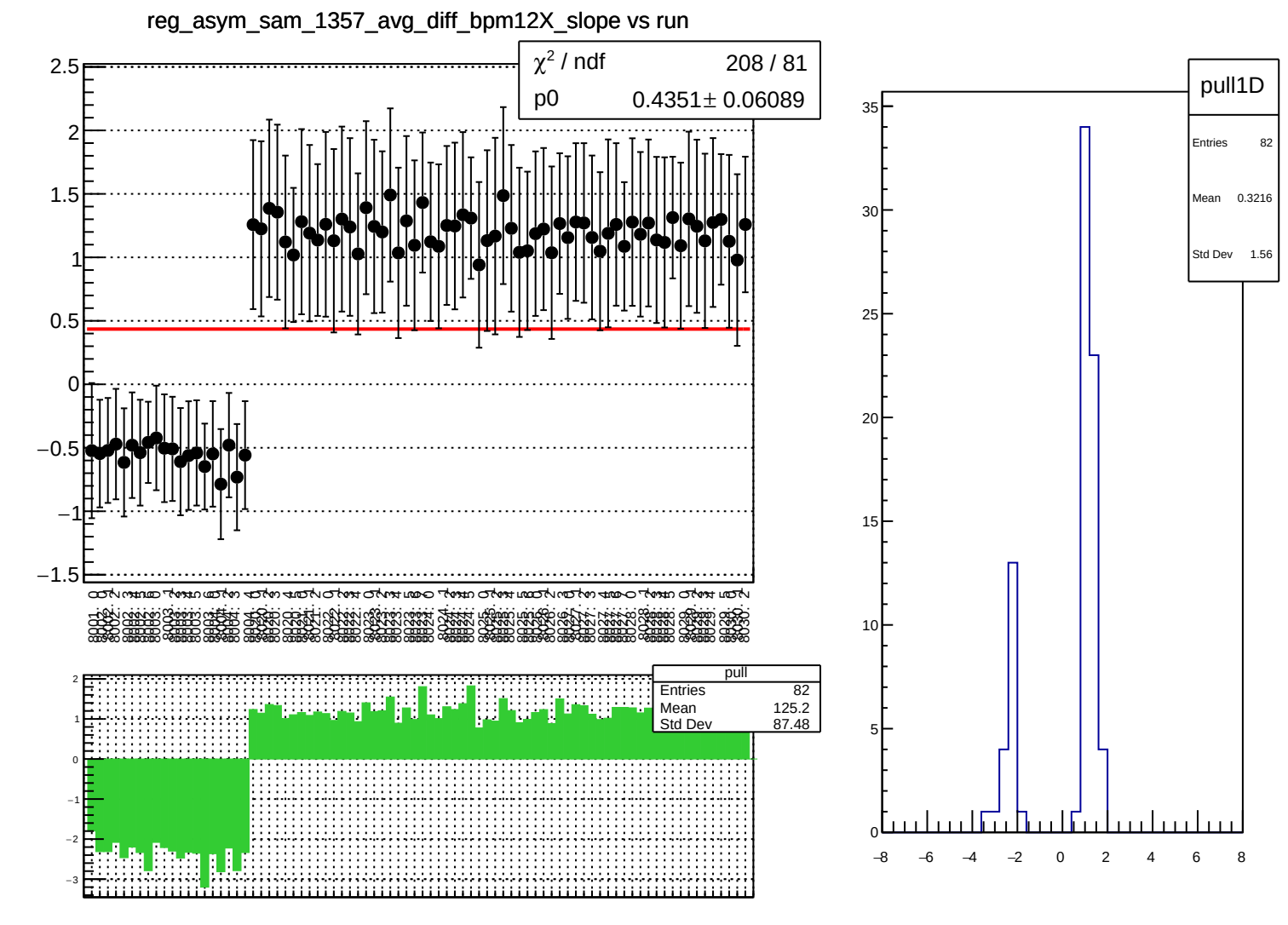

pull1D
Entries 82
Mean 0.01174
Std Dev 0.2442

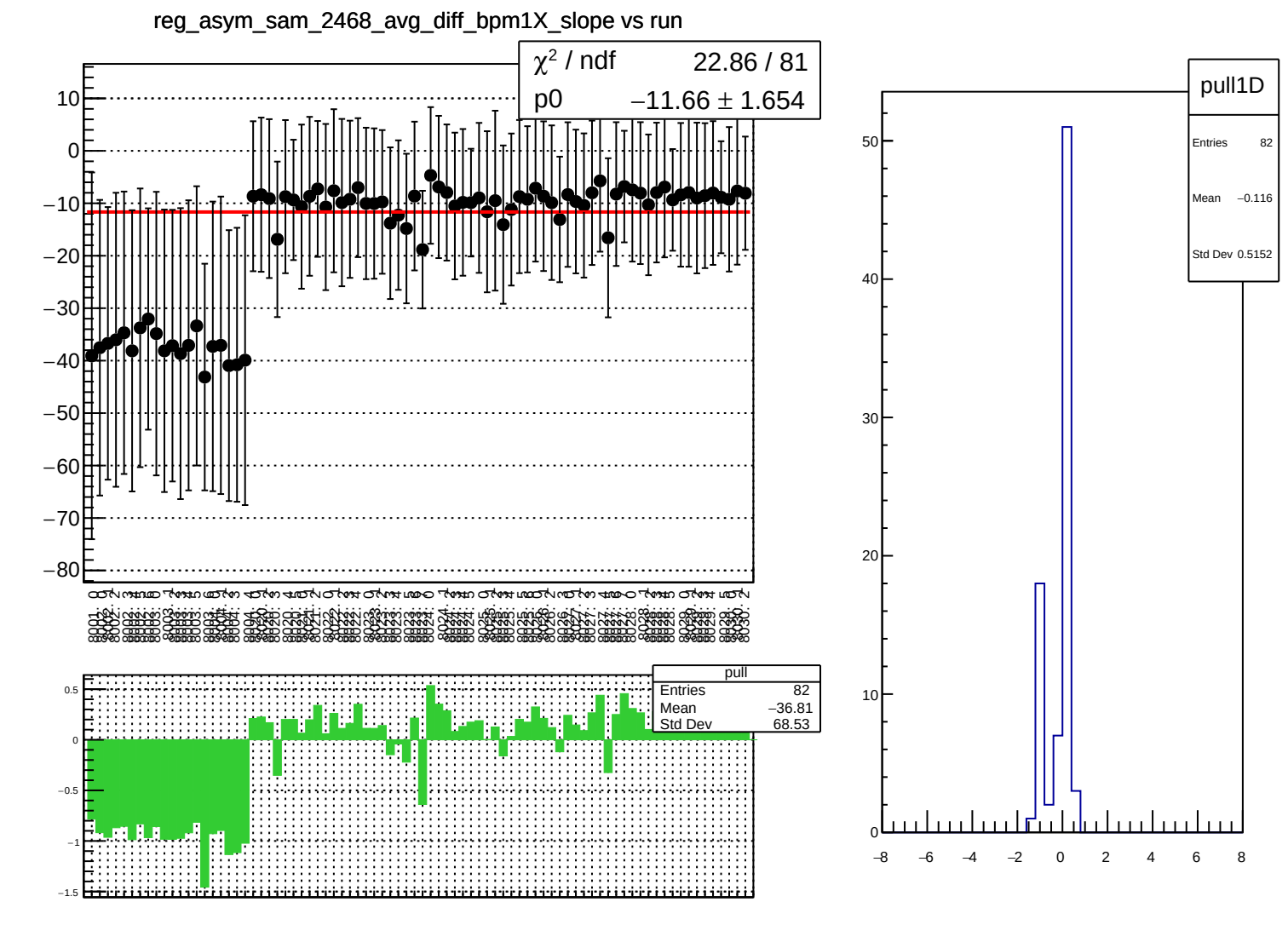

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.09 / 81
p0 −27.51 ± 0.7796
pull
Entries 82
Mean −62.35
Std Dev 97.55

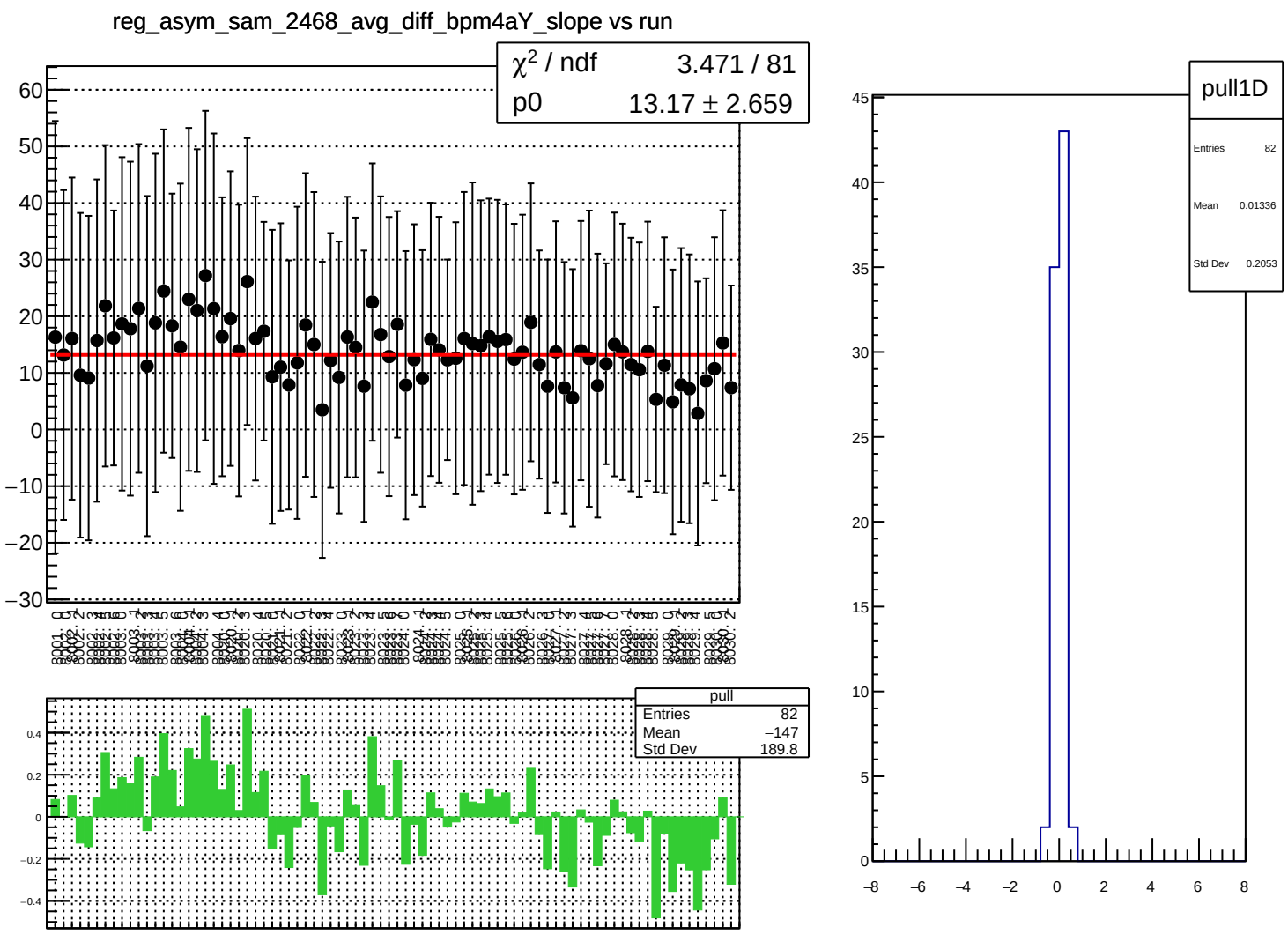

pull1D
Entries 82
Mean 0.08662
Std Dev 0.4874

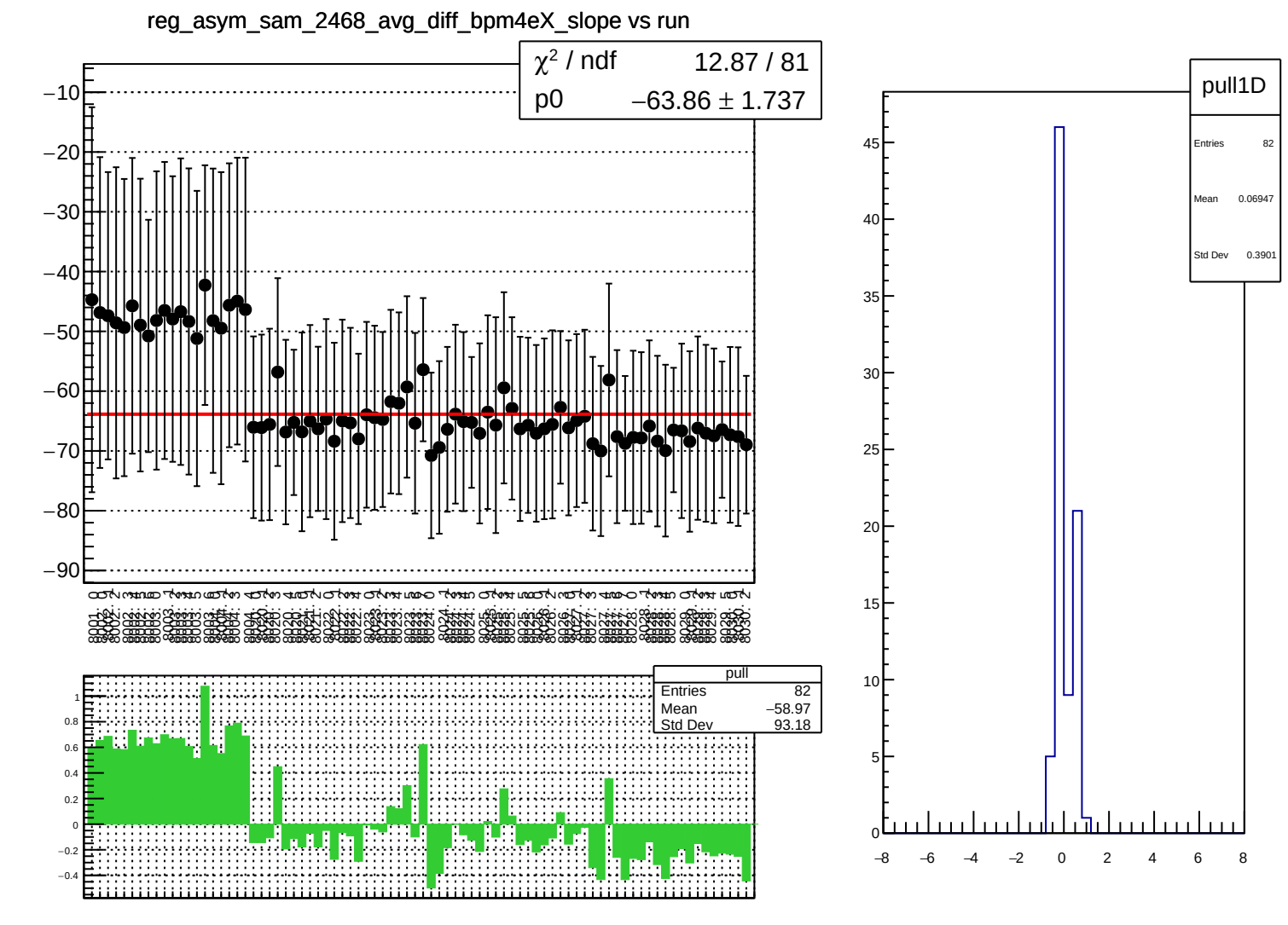

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.658 / 81
p0 13.04 ± 1.278
pull
Entries 82
Mean −105.5
Std Dev 144.9

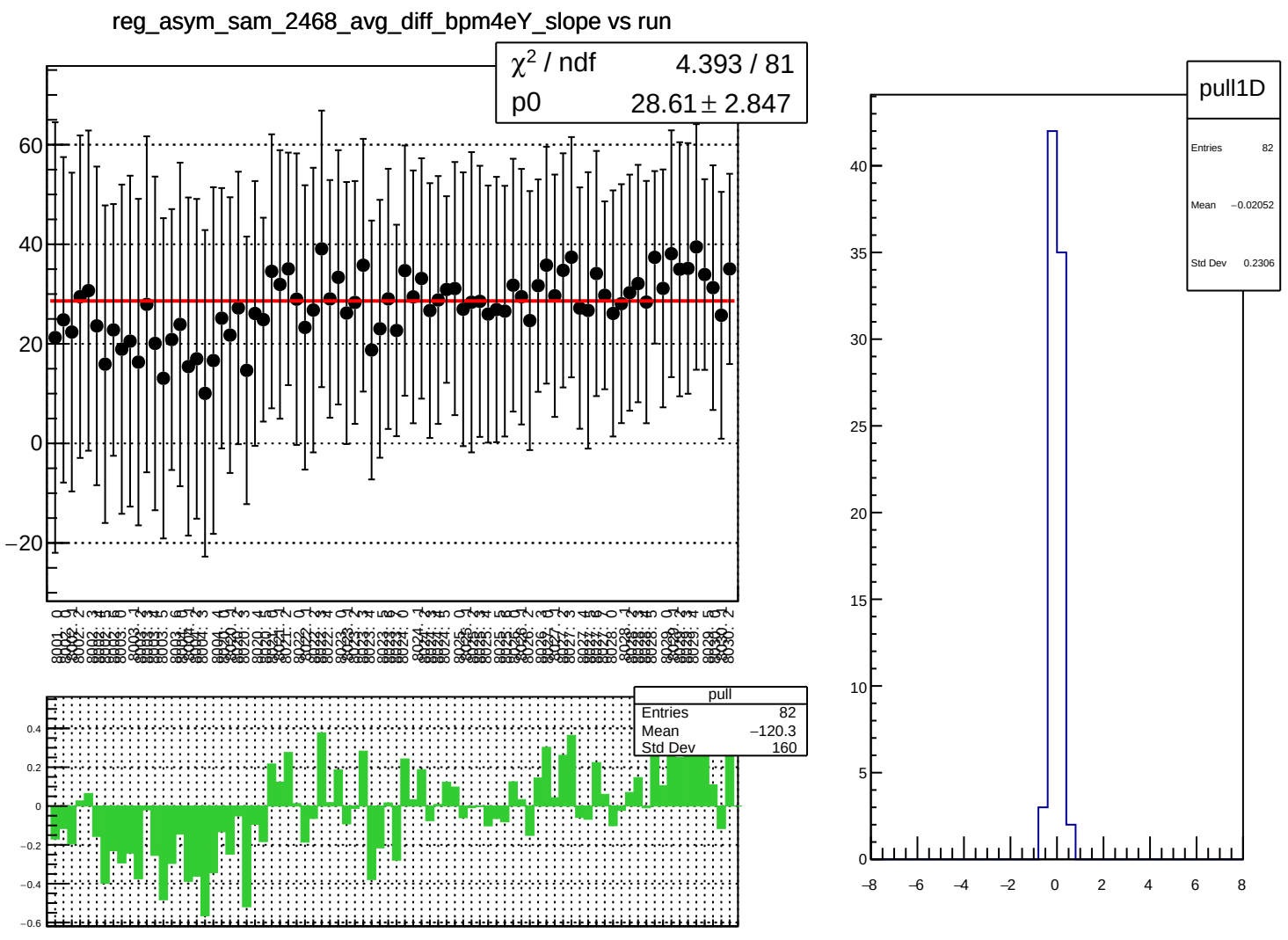

pull1D
Entries 82
Mean −0.02401
Std Dev 0.2839

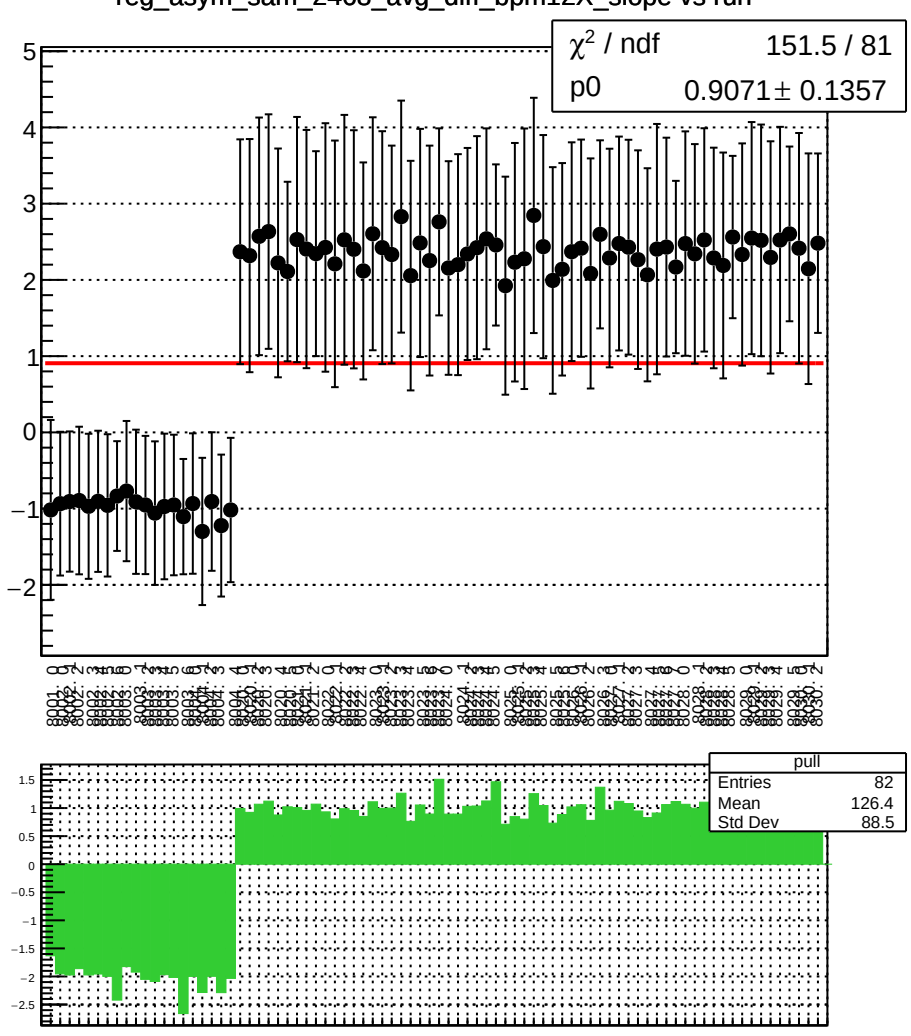

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 208 / 81
p0 0.4351± 0.06089
pull
Entries 82
Mean 125.2
Std Dev 87.48
pull1D
Entries 82
Mean 0.3216
Std Dev 1.56

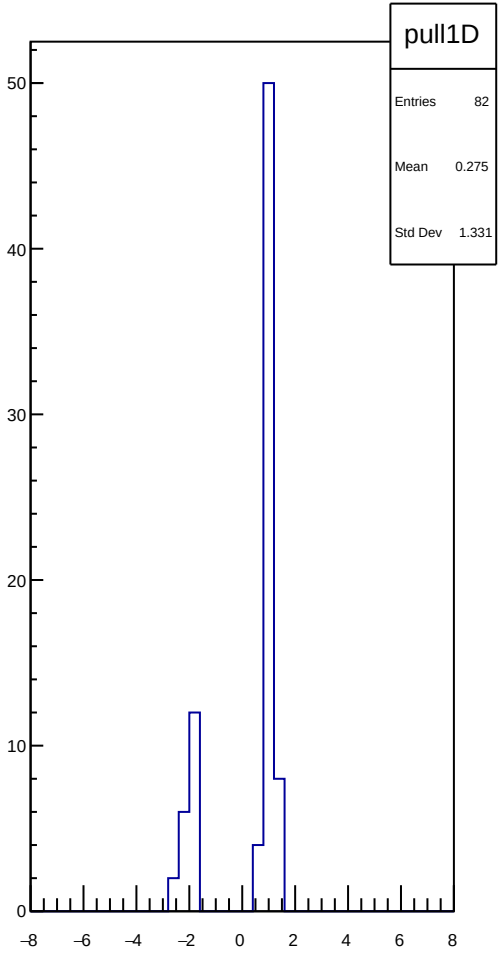

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 22.86 / 81
p0 −11.66 ± 1.654
pull
Entries 82
Mean −36.81
Std Dev 68.53
pull1D
Entries 82
Mean −0.116
Std Dev 0.5152

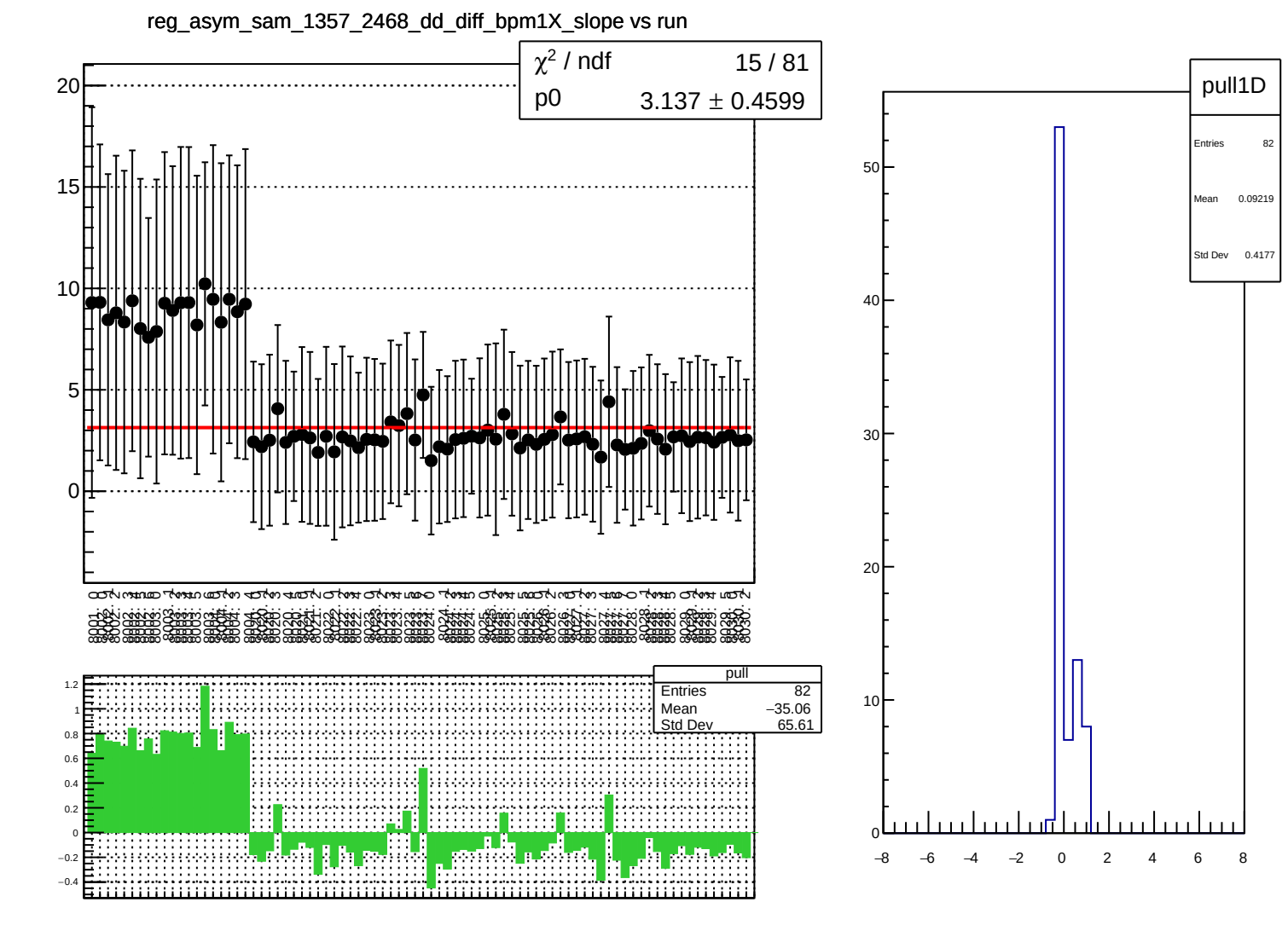

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.471 / 81
p0 13.17 ± 2.659
pull
Entries 82
Mean −147
Std Dev 189.8
pull1D
Entries 82
Mean 0.01336
Std Dev 0.2053

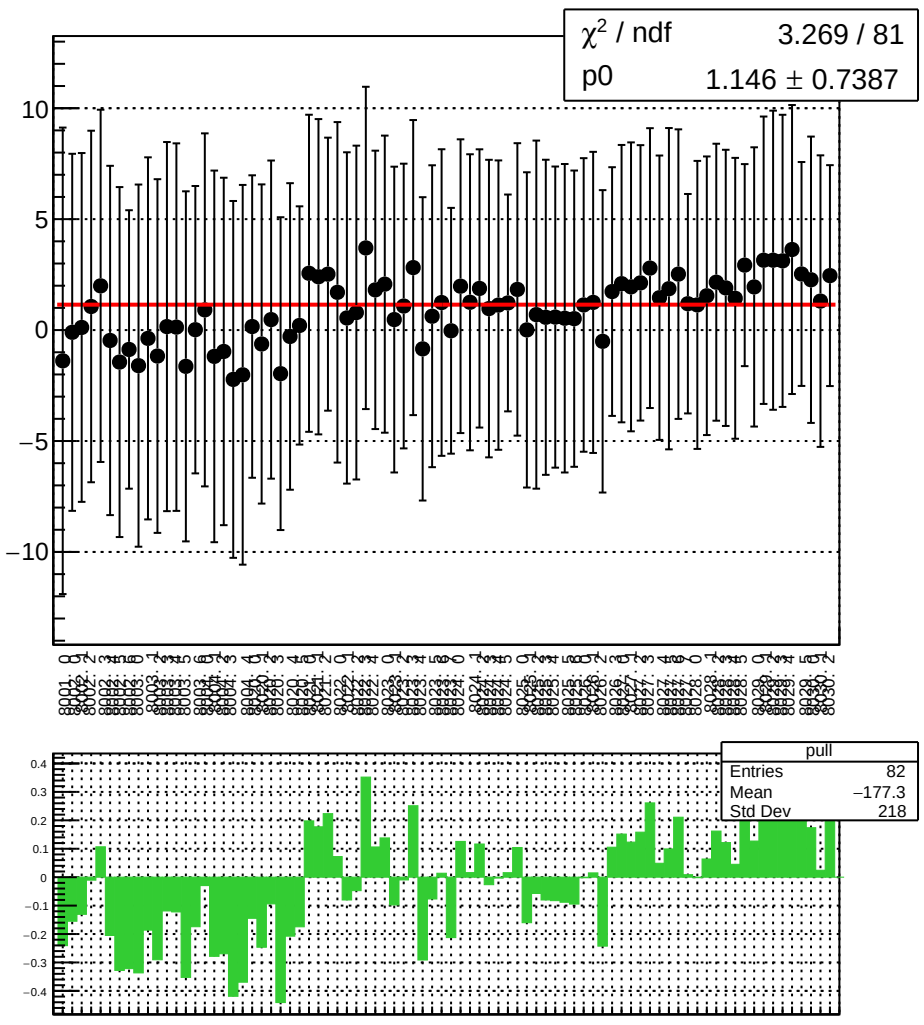

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.87 / 81
p0 −63.86 ± 1.737
pull
Entries 82
Mean −58.97
Std Dev 93.18
pull1D
Entries 82
Mean 0.06947
Std Dev 0.3901

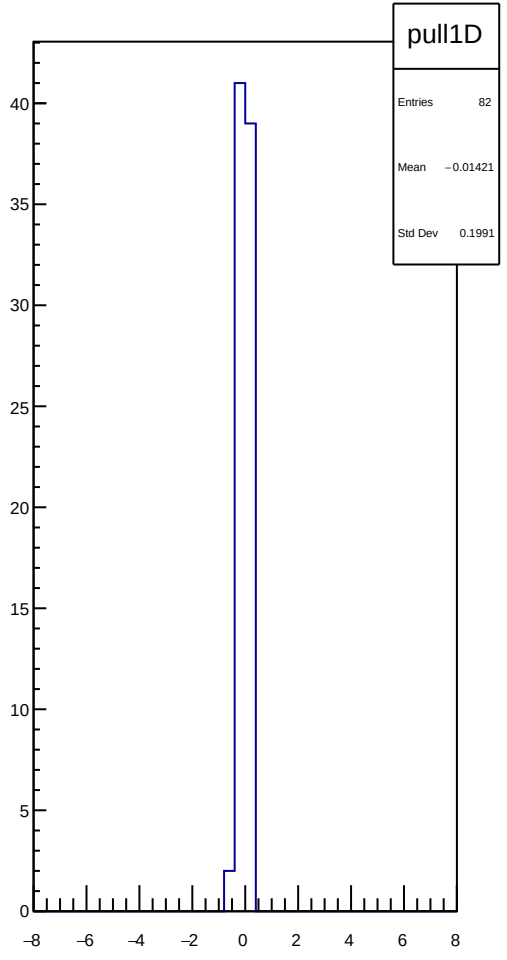

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.393 / 81
p0 28.61 ± 2.847
pull
Entries 82
Mean −120.3
Std Dev 160
pull1D
Entries 82
Mean −0.02052
Std Dev 0.2306

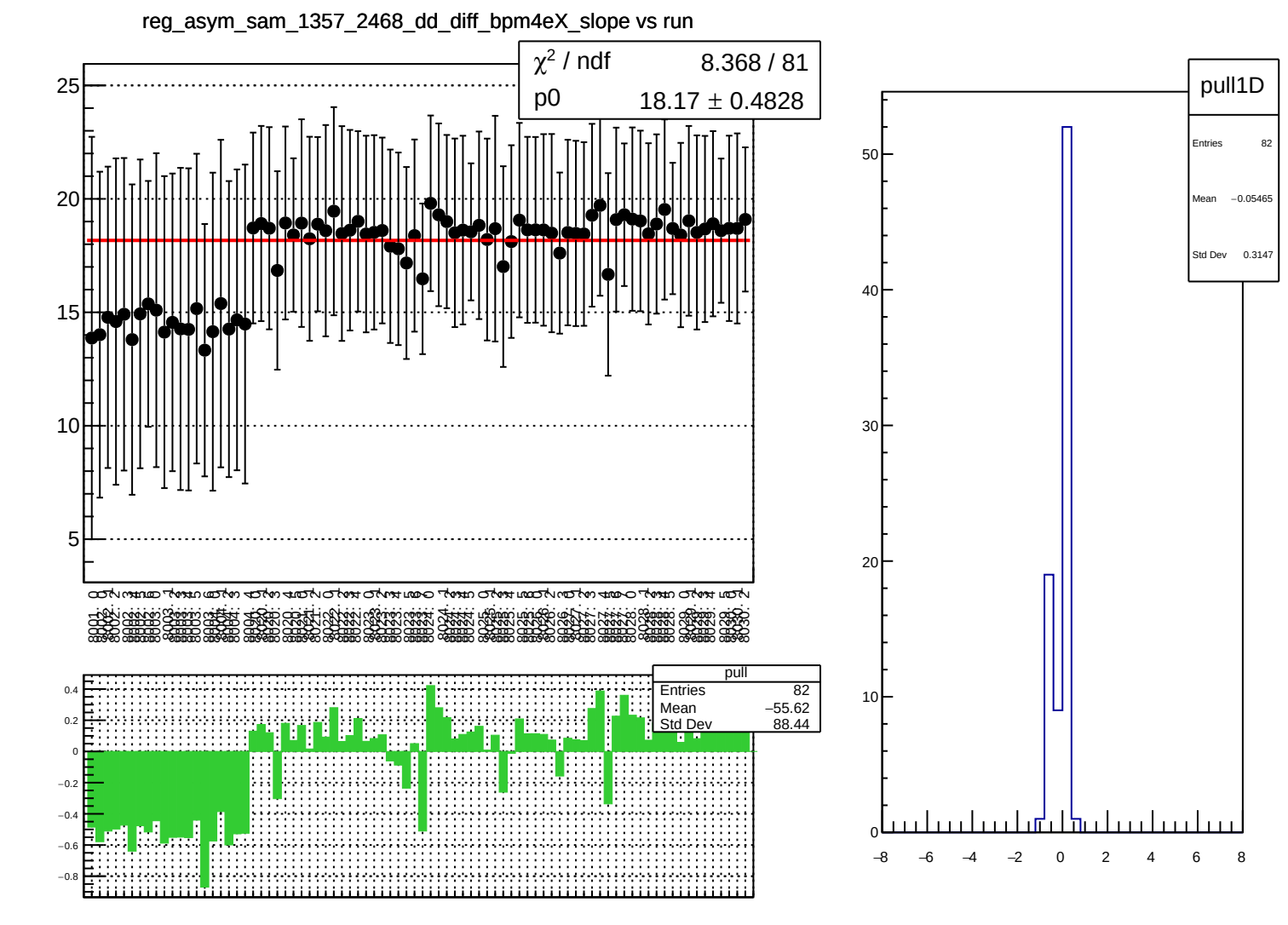

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 151.5 / 81
p0 0.9071± 0.1357
pull
Entries 82
Mean 126.4
Std Dev 88.5

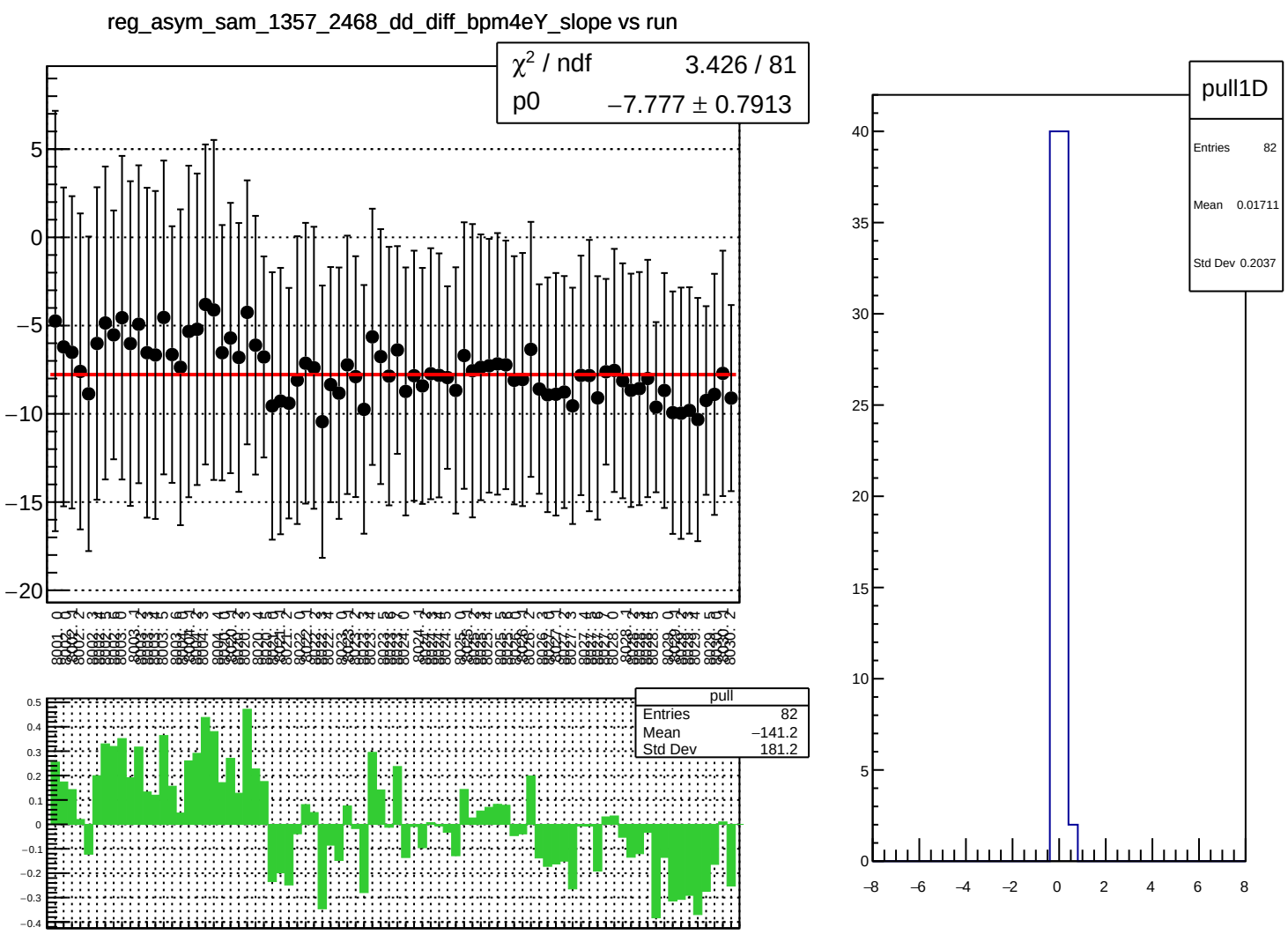

pull1D
Entries 82
Mean 0.275
Std Dev 1.331

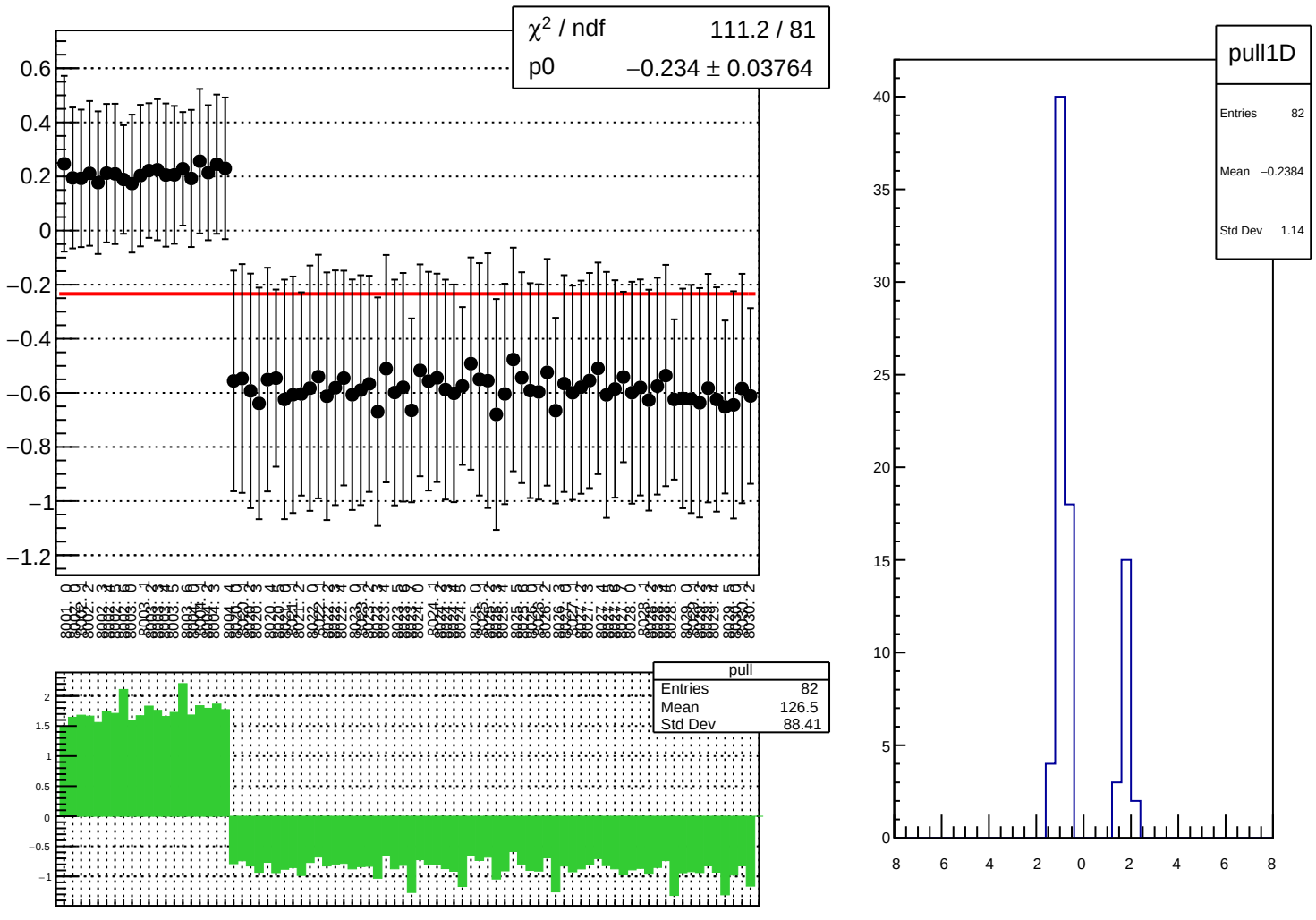

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 15 / 81
p0 3.137 ± 0.4599
pull
Entries 82
Mean −35.06
Std Dev 65.61
pull1D
Entries 82
Mean 0.09219
Std Dev 0.4177

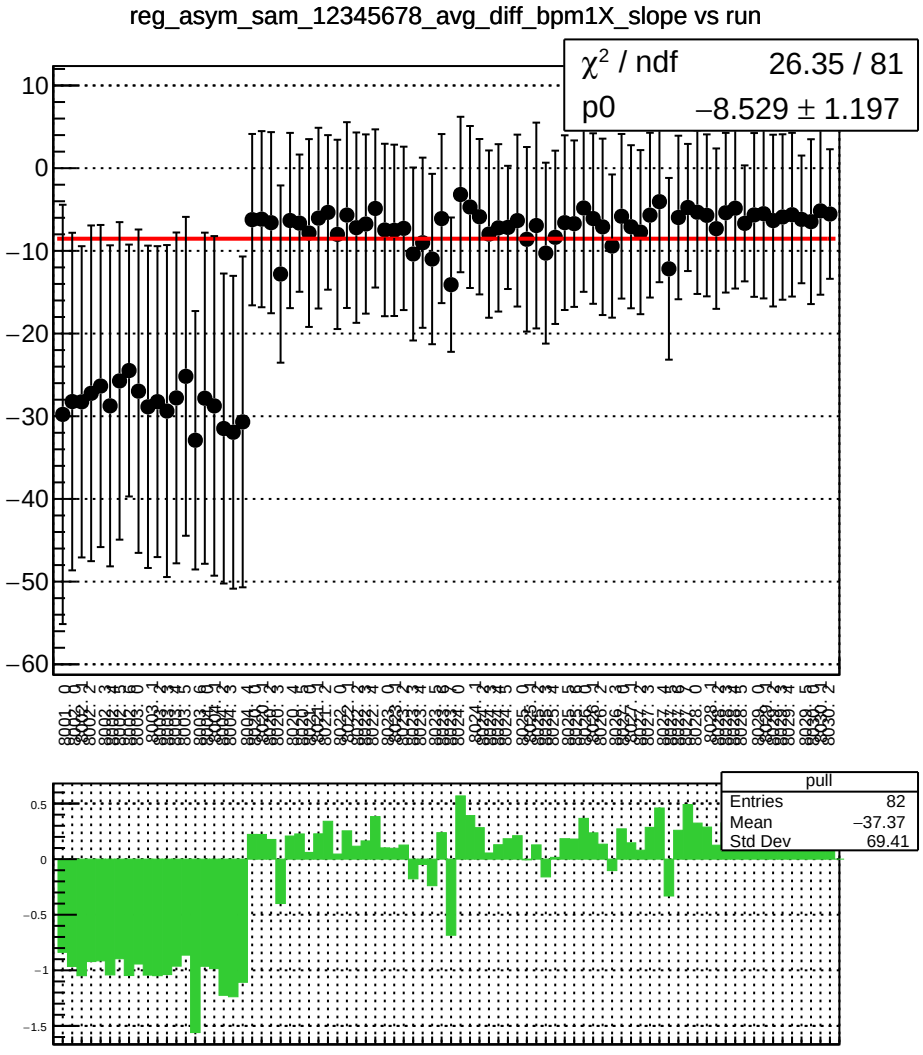

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.269 / 81
p0 1.146 ± 0.7387
pull
Entries 82
Mean −177.3
Std Dev 218

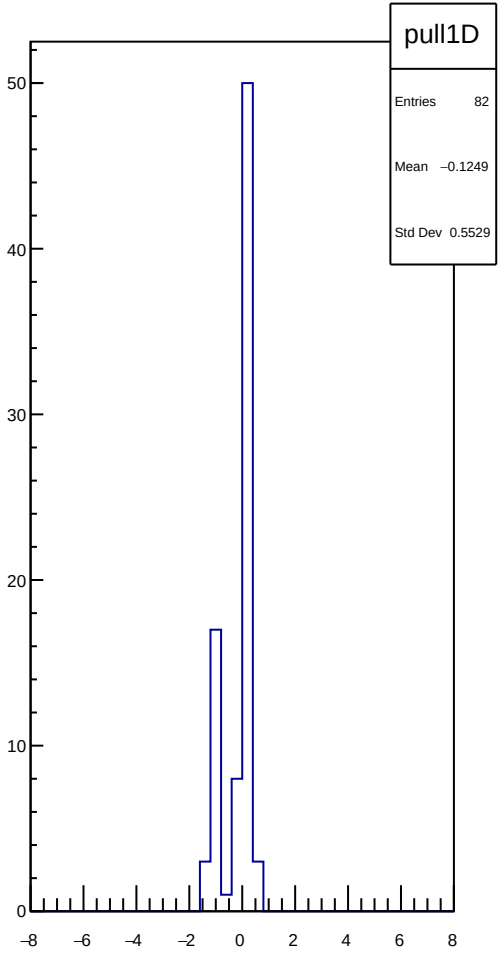

pull1D
Entries 82
Mean −0.01421
Std Dev 0.1991

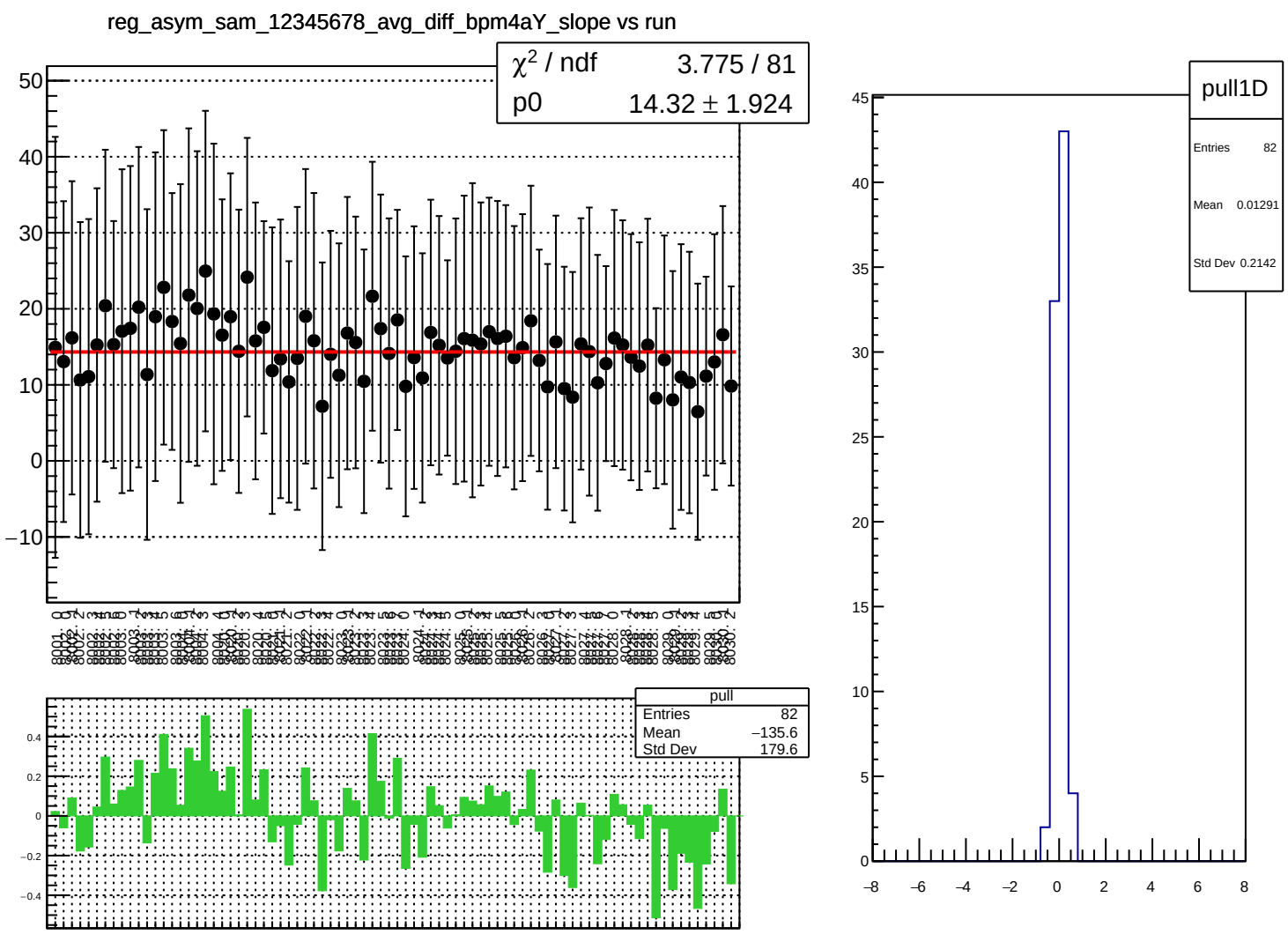

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.368 / 81
p0 18.17 ± 0.4828
pull
Entries 82
Mean −55.62
Std Dev 88.44
pull1D
Entries 82
Mean −0.05465
Std Dev 0.3147

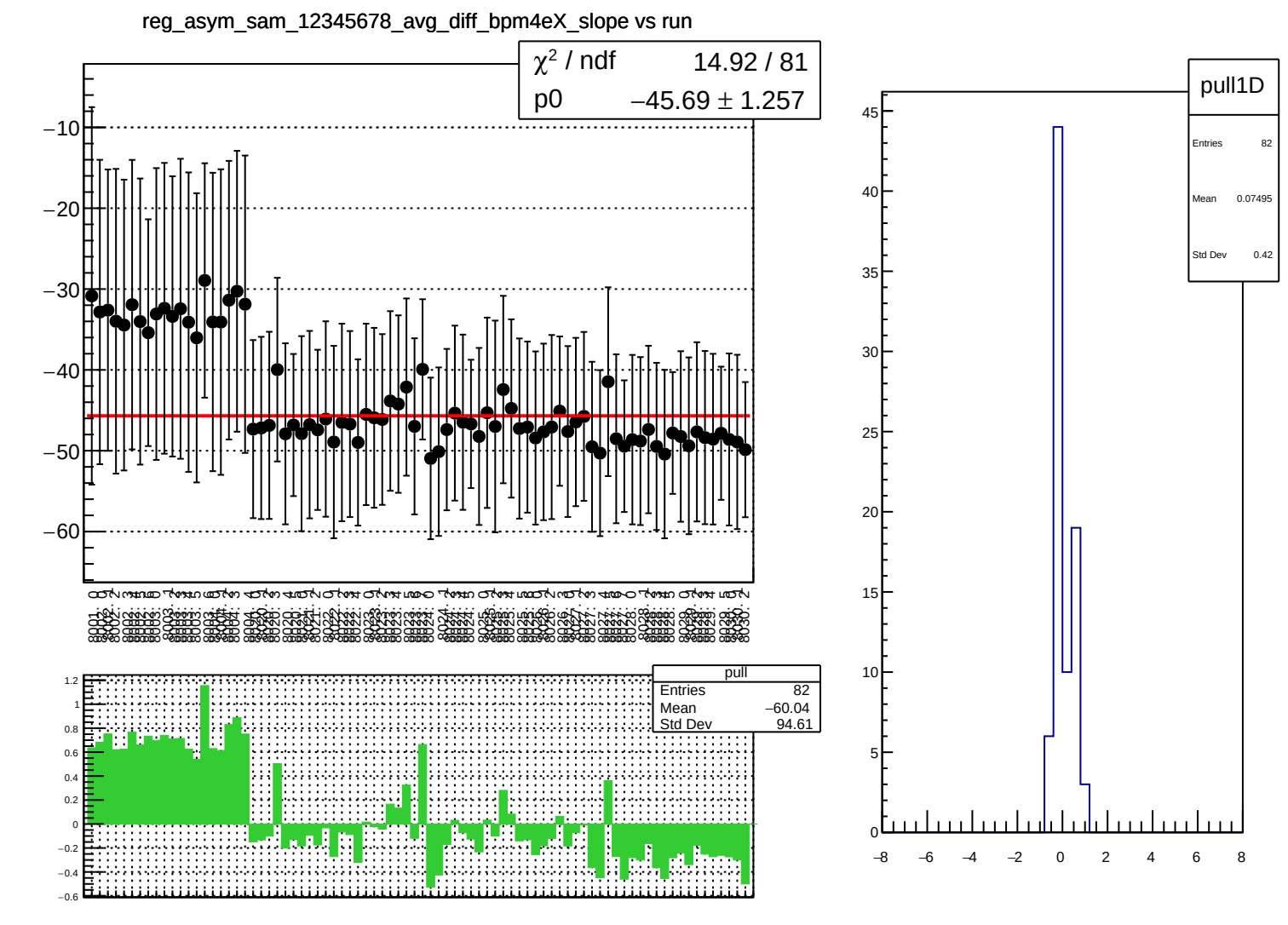

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.426 / 81
p0 −7.777 ± 0.7913
pull
Entries 82
Mean −141.2
Std Dev 181.2
pull1D
Entries 82
Mean 0.01711
Std Dev 0.2037

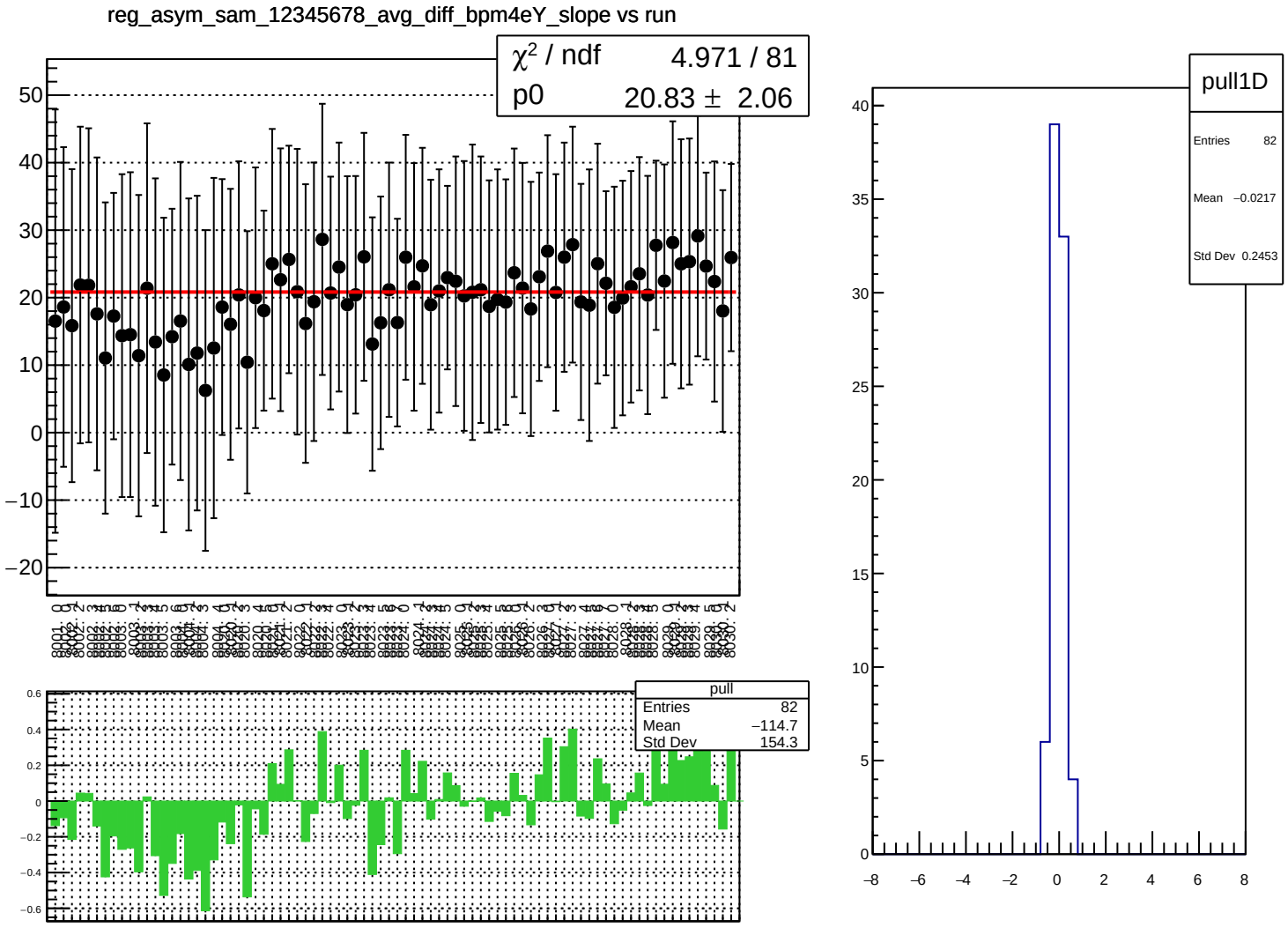

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 111.2 / 81
p0 −0.234 ± 0.03764
pull
Entries 82
Mean 126.5
Std Dev 88.41
pull1D
Entries 82
Mean −0.2384
Std Dev 1.14

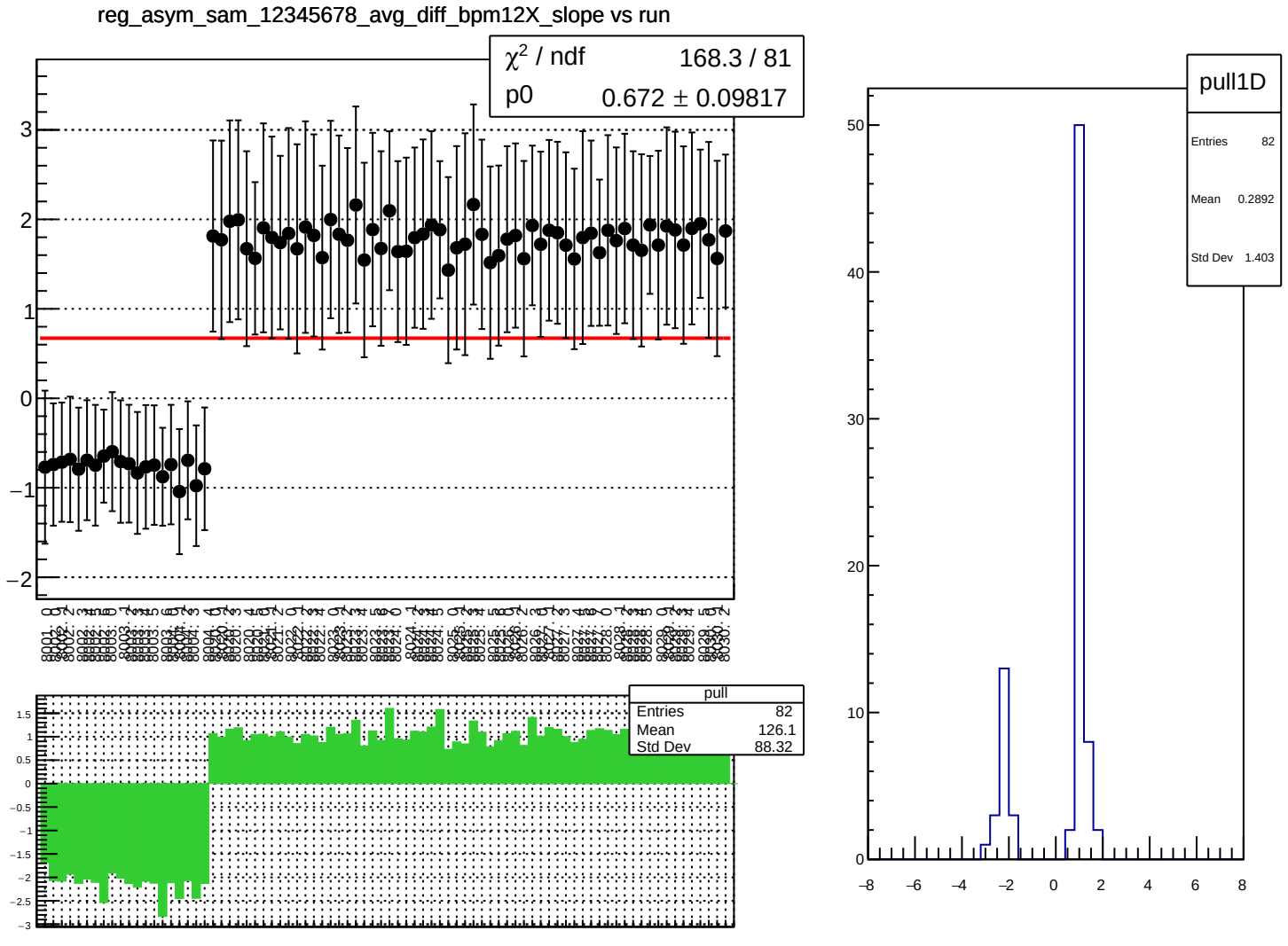

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 26.35 / 81
p0 −8.529 ± 1.197
pull
Entries 82
Mean −37.37
Std Dev 69.41

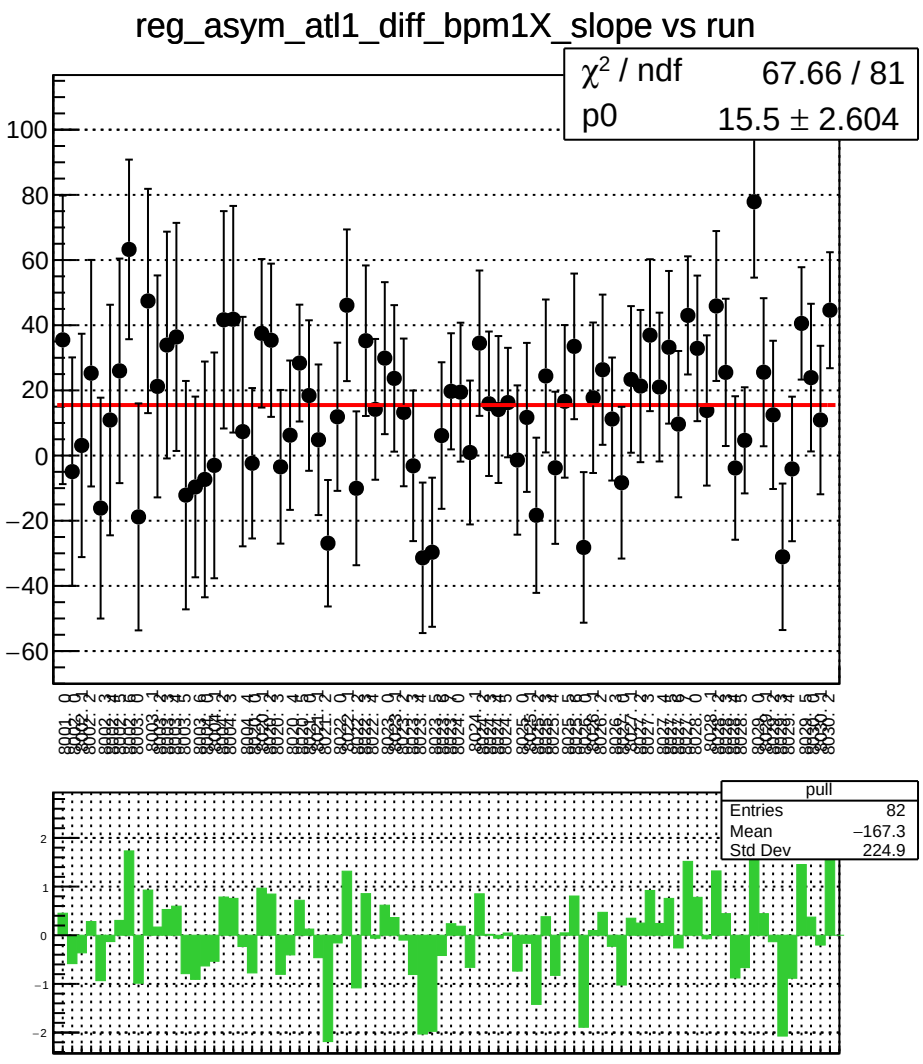

pull1D
Entries 82
Mean −0.1249
Std Dev 0.5529

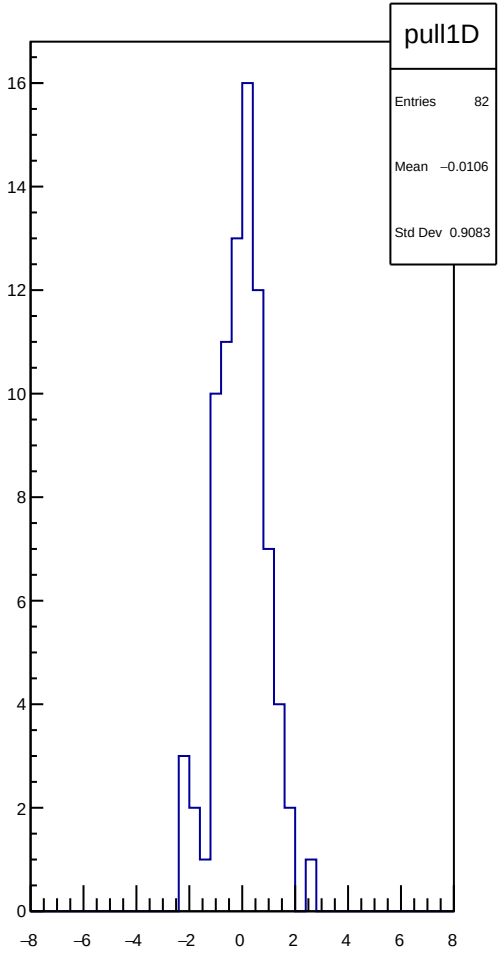

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.775 / 81
p0 14.32 ± 1.924
pull
Entries 82
Mean −135.6
Std Dev 179.6
pull1D
Entries 82
Mean 0.01291
Std Dev 0.2142

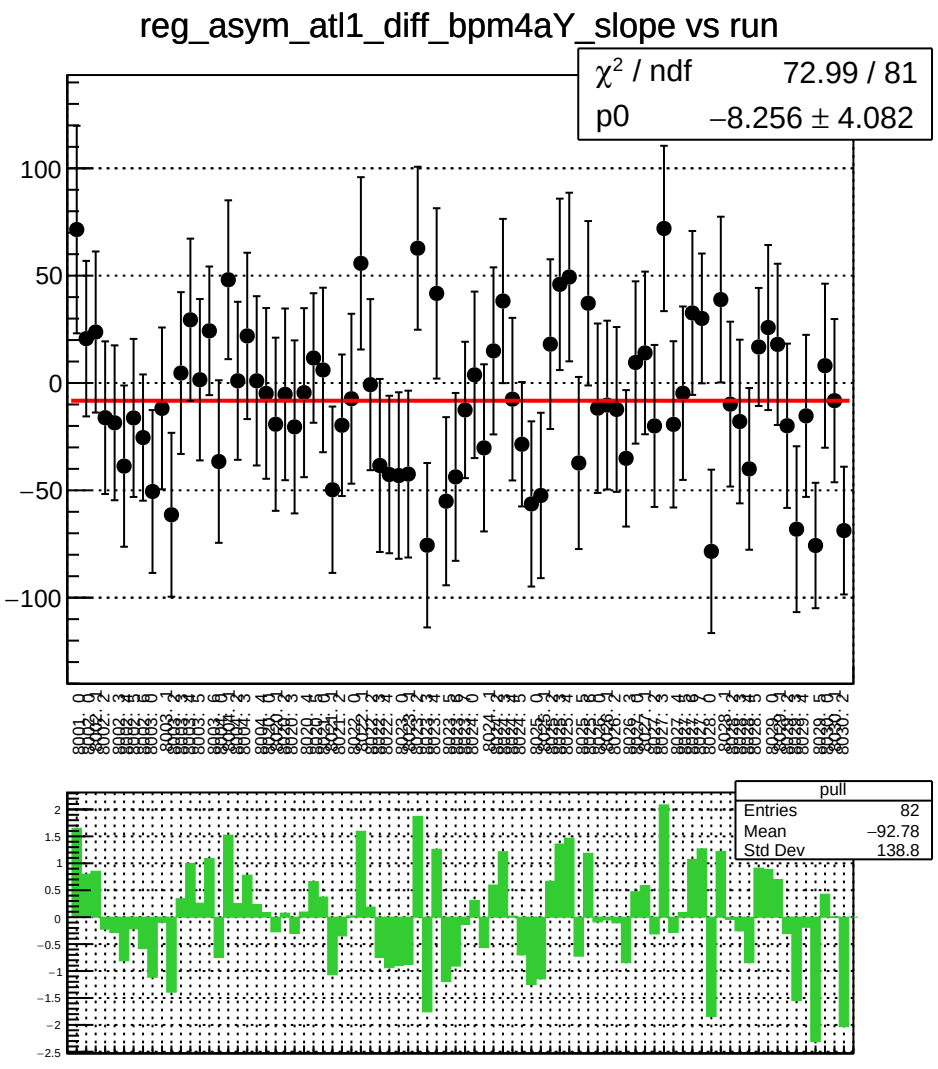

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.92 / 81
p0 −45.69 ± 1.257
pull
Entries 82
Mean −60.04
Std Dev 94.61
pull1D
Entries 82
Mean 0.07495
Std Dev 0.42

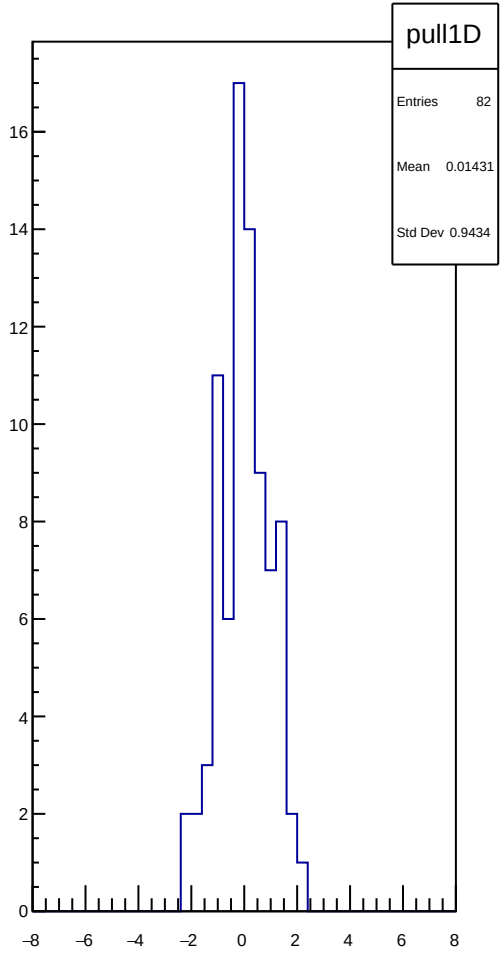

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.971 / 81
p0 20.83 ± 2.06
pull
Entries 82
Mean −114.7
Std Dev 154.3
pull1D
Entries 82
Mean −0.0217
Std Dev 0.2453

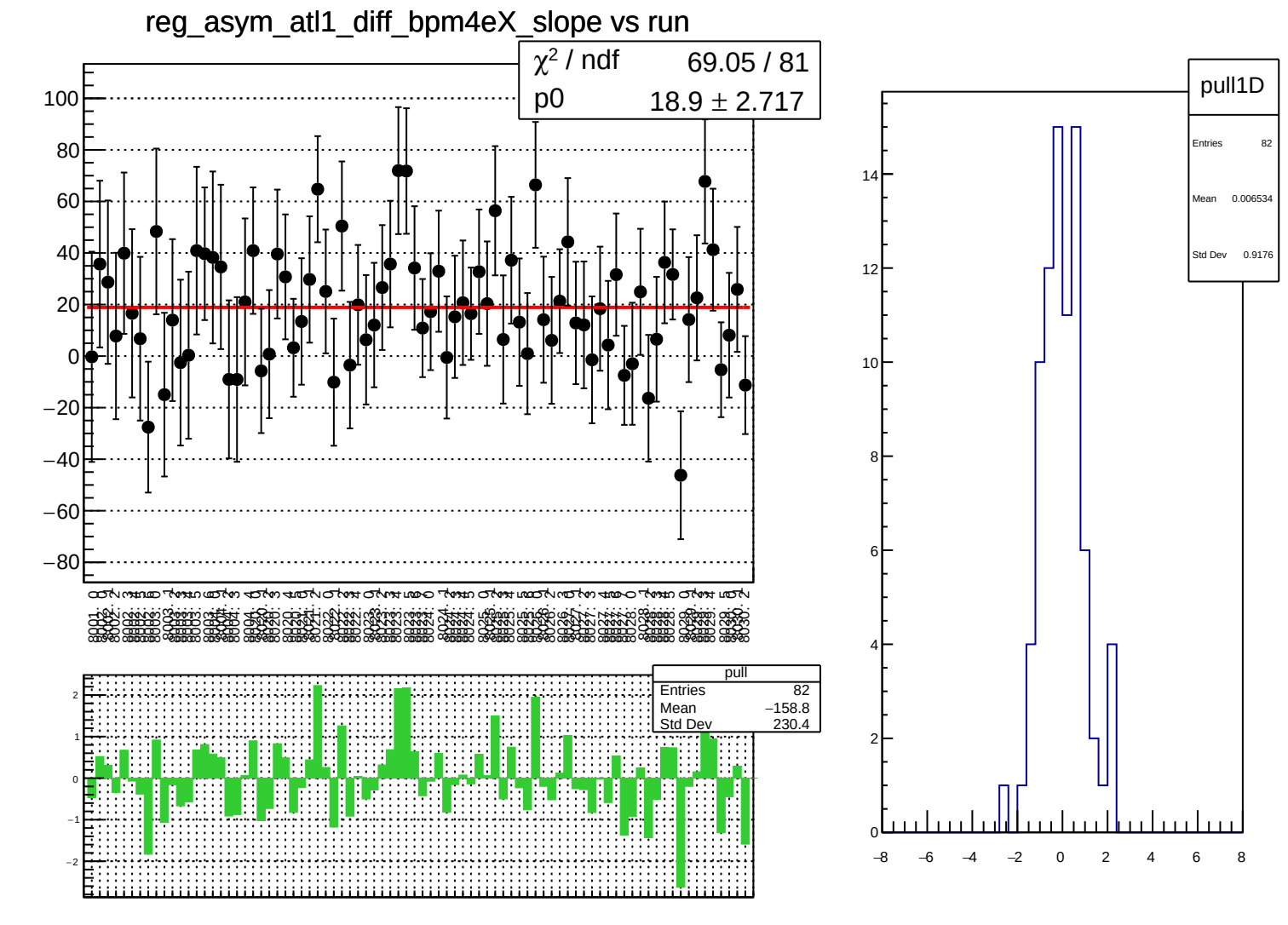

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 168.3 / 81
p0 0.672 ± 0.09817
pull
Entries 82
Mean 126.1
Std Dev 88.32
pull1D
Entries 82
Mean 0.2892
Std Dev 1.403

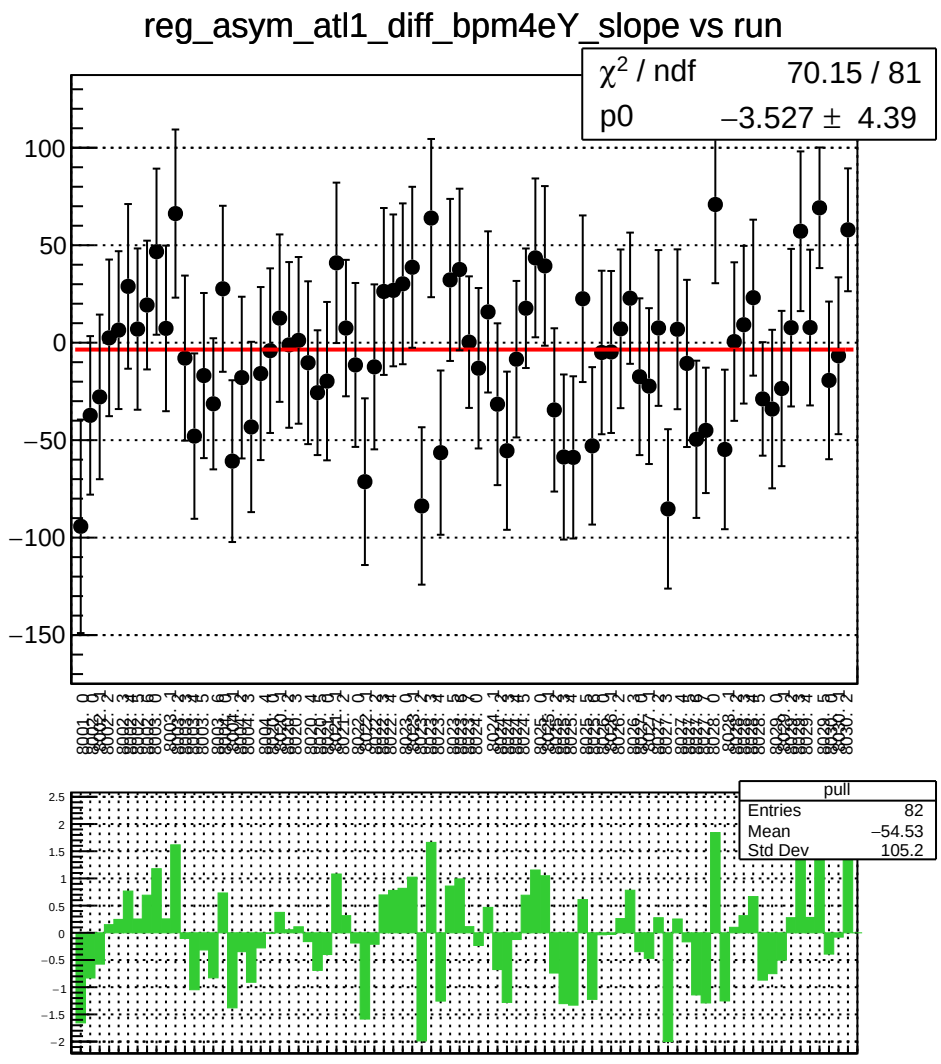

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 67.66 / 81
p0 15.5 ± 2.604
pull
Entries 82
Mean −167.3
Std Dev 224.9

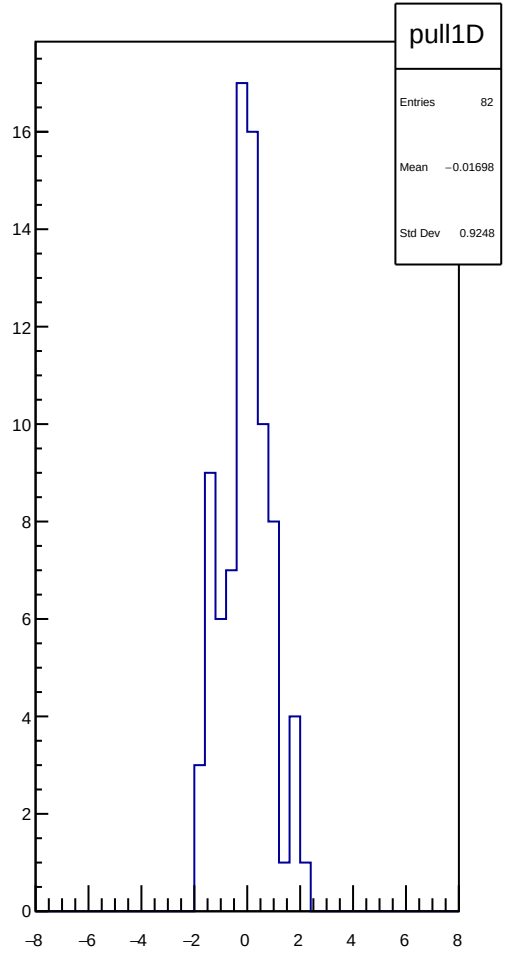

pull1D
Entries 82
Mean −0.0106
Std Dev 0.9083

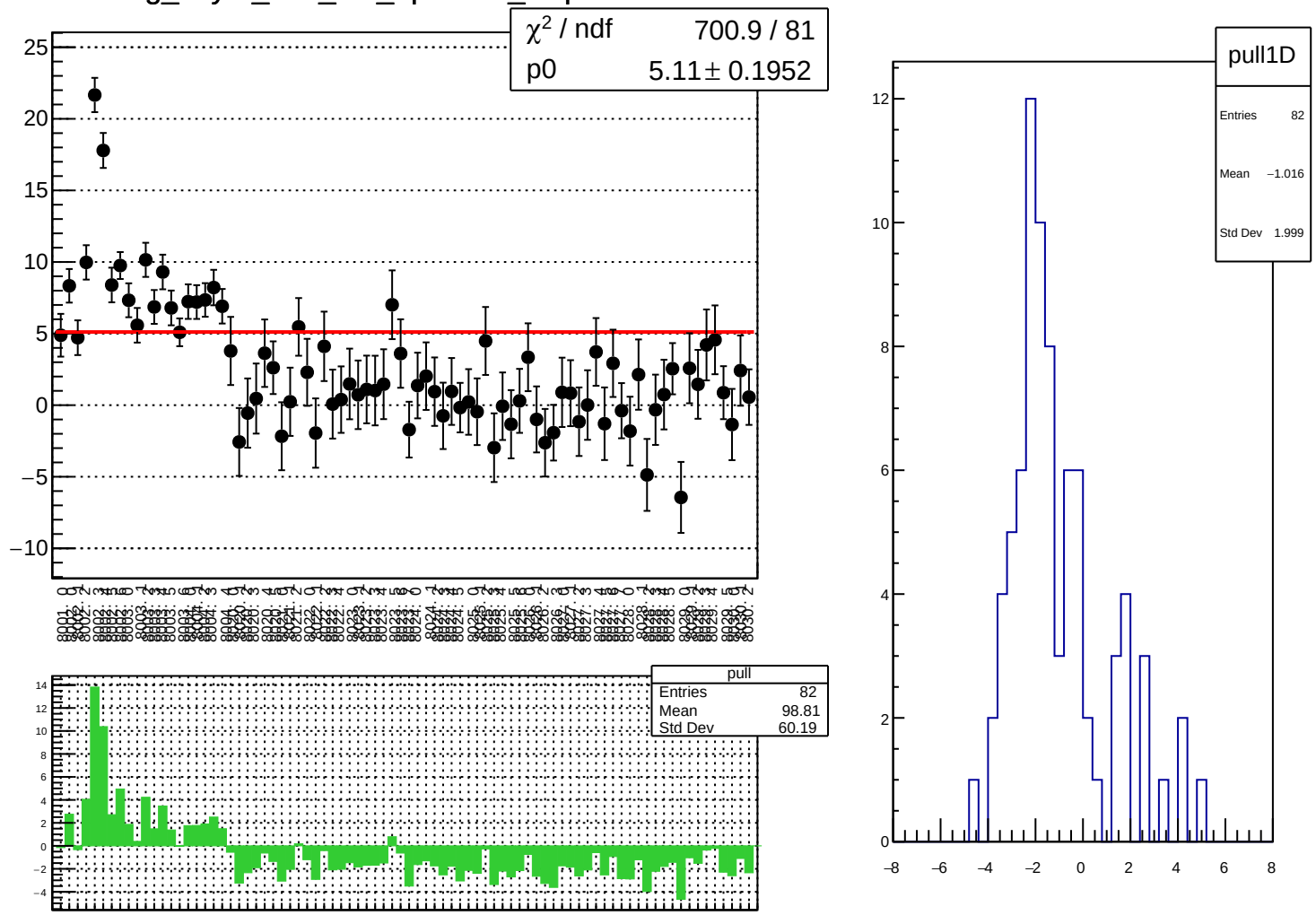

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 72.99 / 81
p0 −8.256 ± 4.082
100
50
0
−50
−100
pull
Entries 82
Mean −92.78
Std Dev 138.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

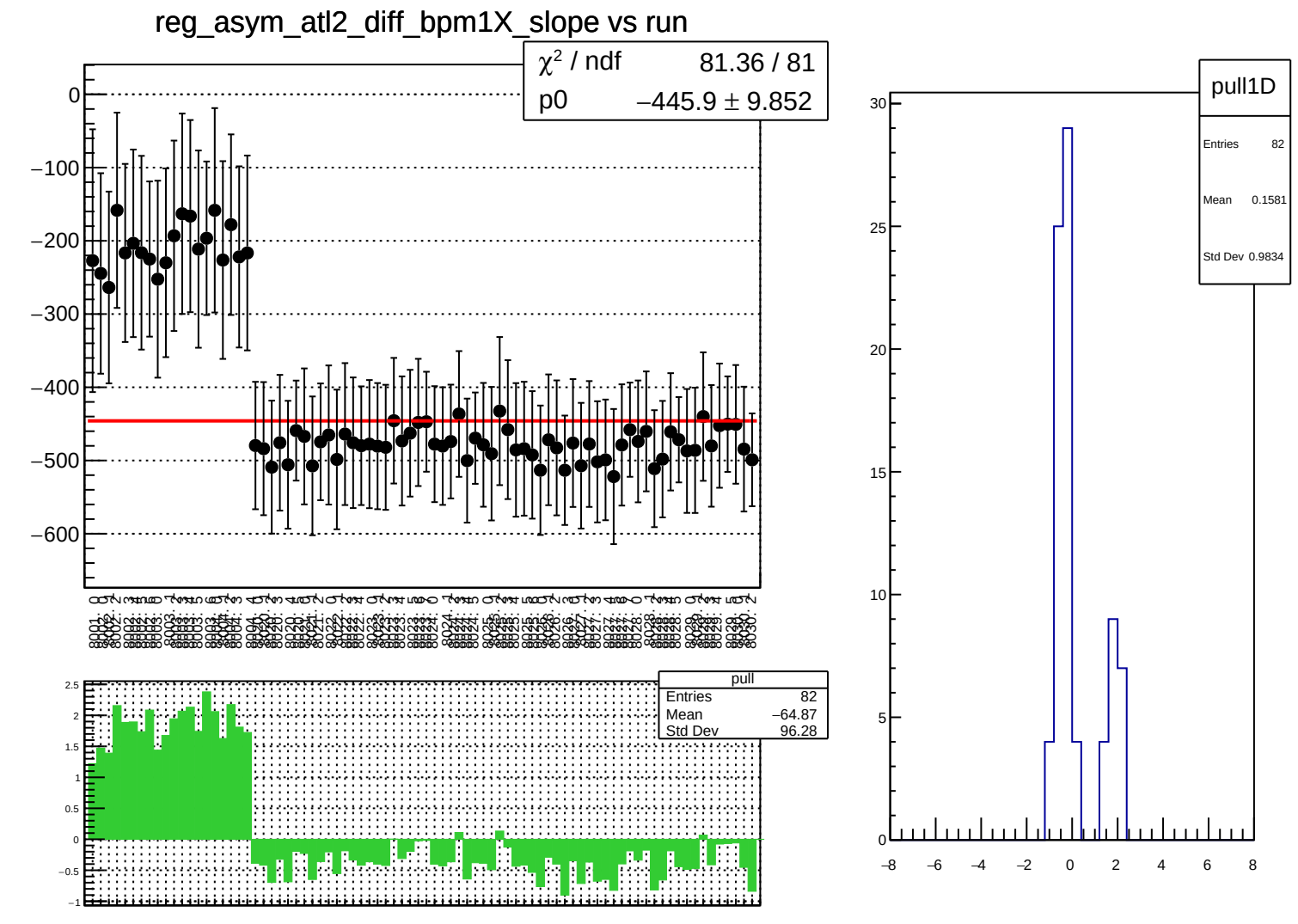

pull1D
Entries 82
Mean 0.01431
Std Dev 0.9434
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

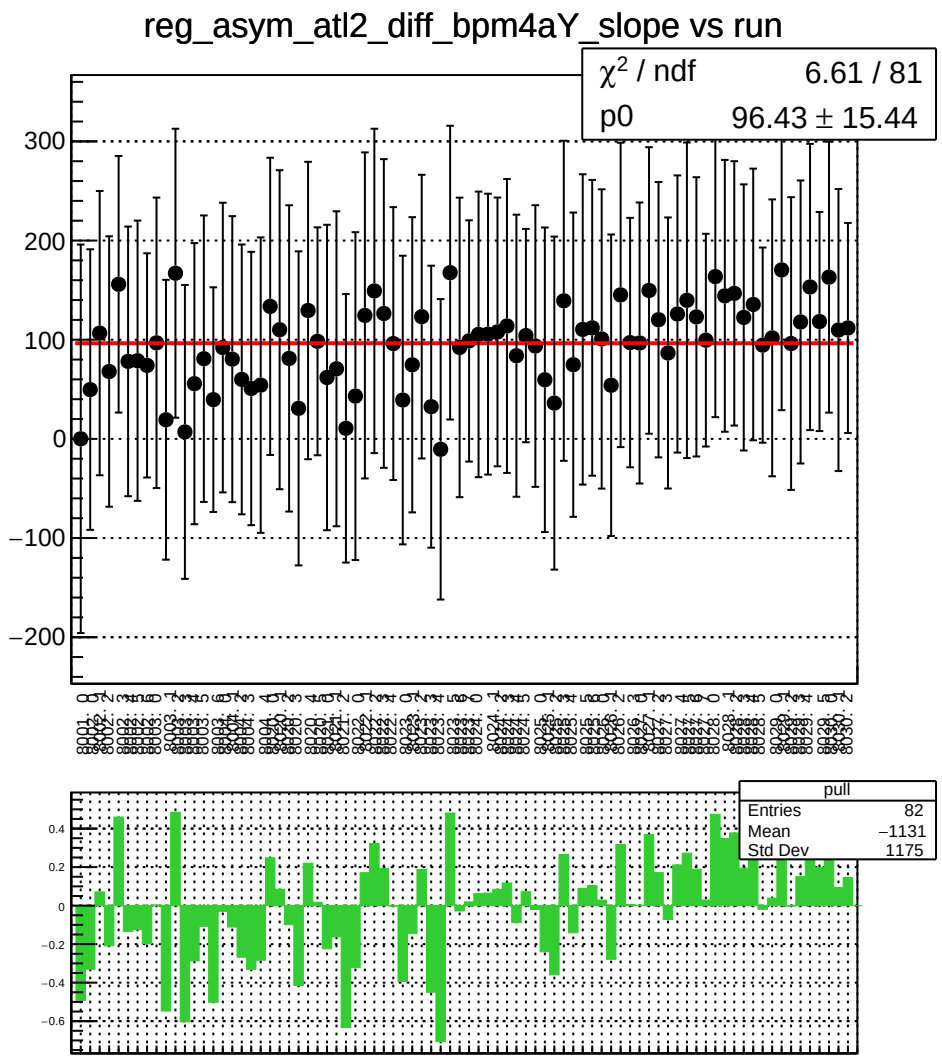

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 69.05 / 81
p0 18.9 ± 2.717
pull
Entries 82
Mean −158.8
Std Dev 230.4
pull1D
Entries 82
Mean 0.006534
Std Dev 0.9176

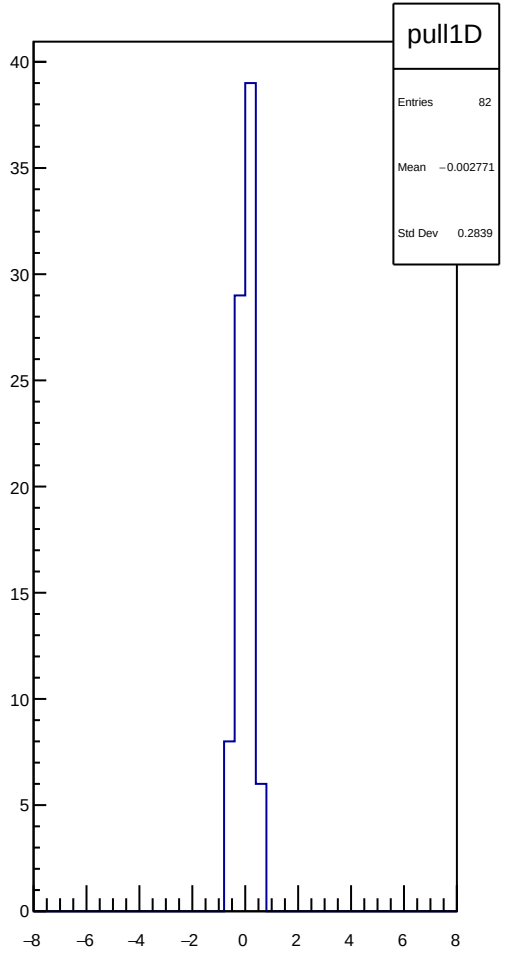

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 70.15 / 81
p0 −3.527 ± 4.39
100
50
0
−50
−100
−150
pull
Entries 82
Mean −54.53
Std Dev 105.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

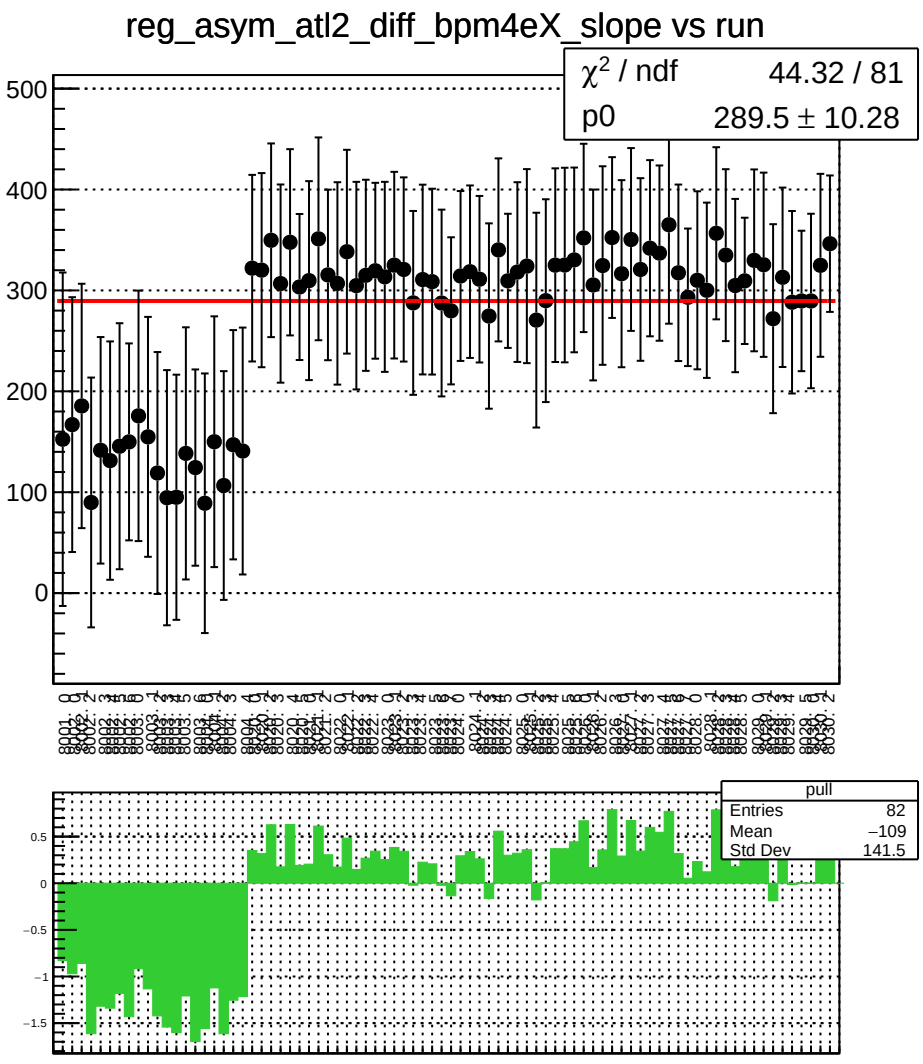

pull1D
Entries 82
Mean −0.01698
Std Dev 0.9248
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

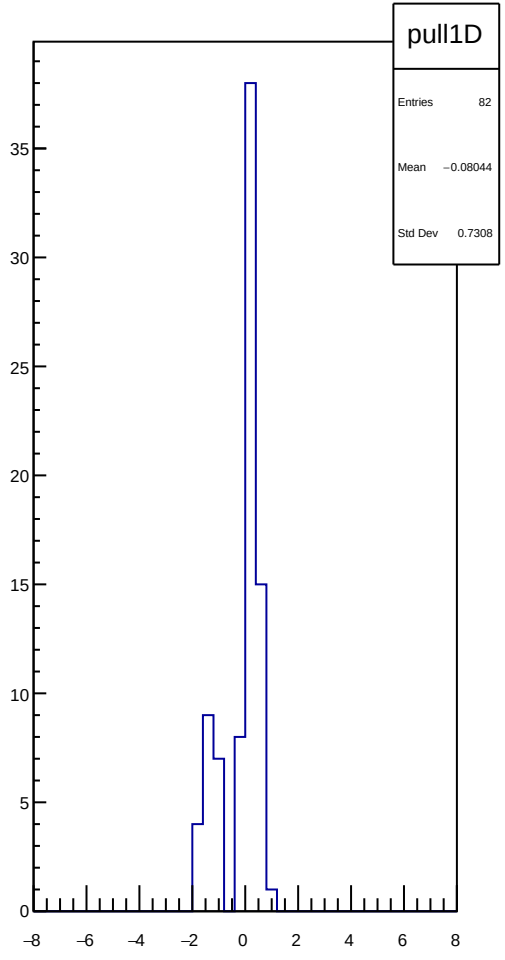

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 700.9 / 81
p0 5.11 ± 0.1952
pull
Entries 82
Mean 98.81
Std Dev 60.19
pull1D
Entries 82
Mean −1.016
Std Dev 1.999

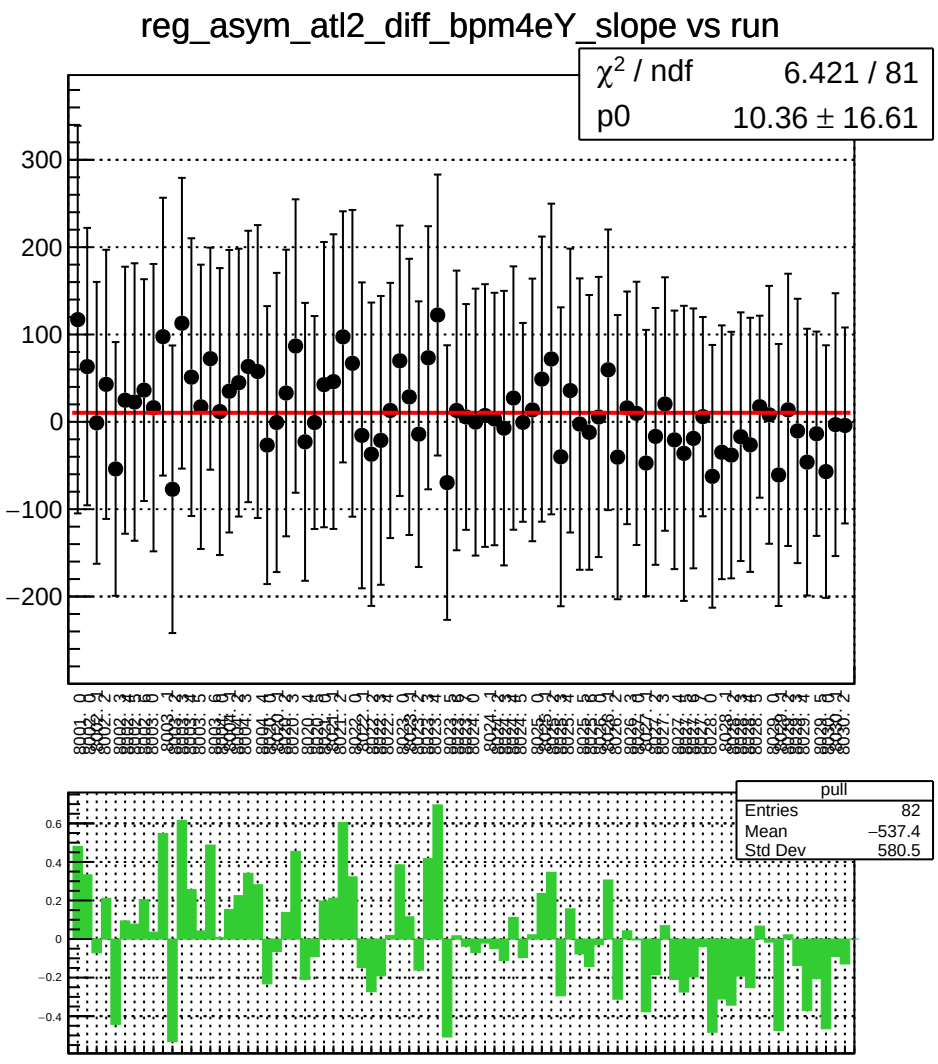

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 81.36 / 81
p0 −445.9 ± 9.852
pull
Entries 82
Mean −64.87
Std Dev 96.28
pull1D
Entries 82
Mean 0.1581
Std Dev 0.9834

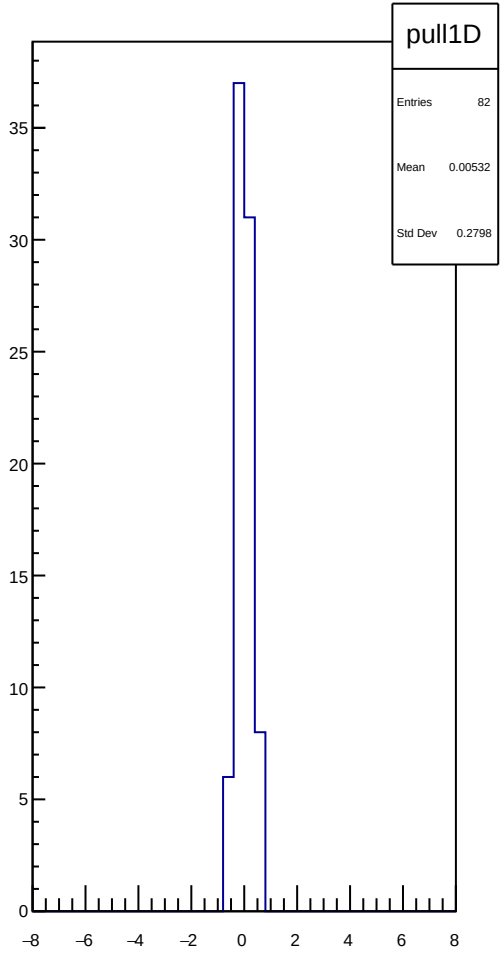

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.61 / 81
p0 96.43 ± 15.44
300
200
100
0
−100
−200
pull
Entries 82
Mean −1131
Std Dev 1175
0.4
0.2
0
−0.2
−0.4
−0.6

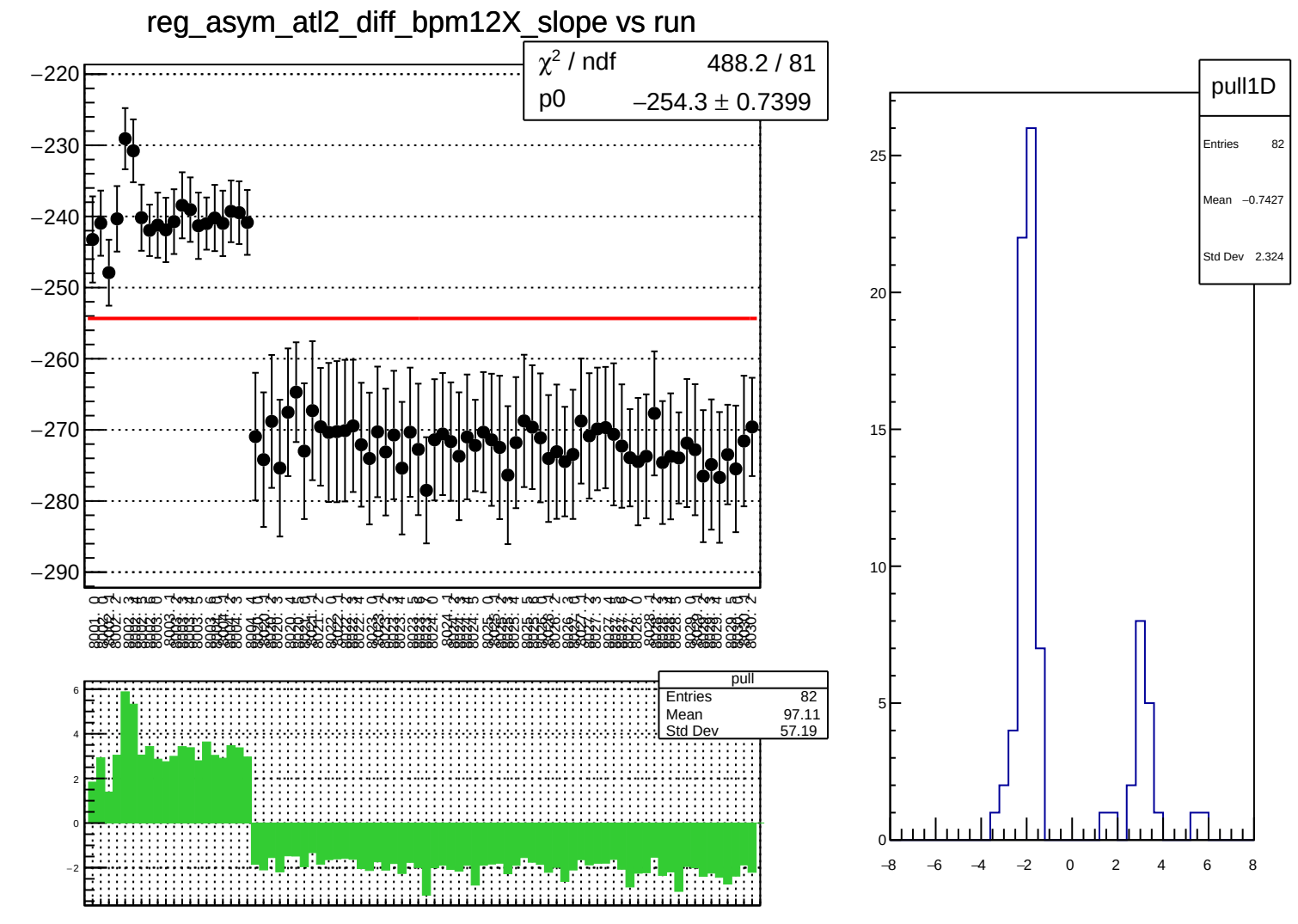

pull1D
Entries 82
Mean −0.002771
Std Dev 0.2839
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

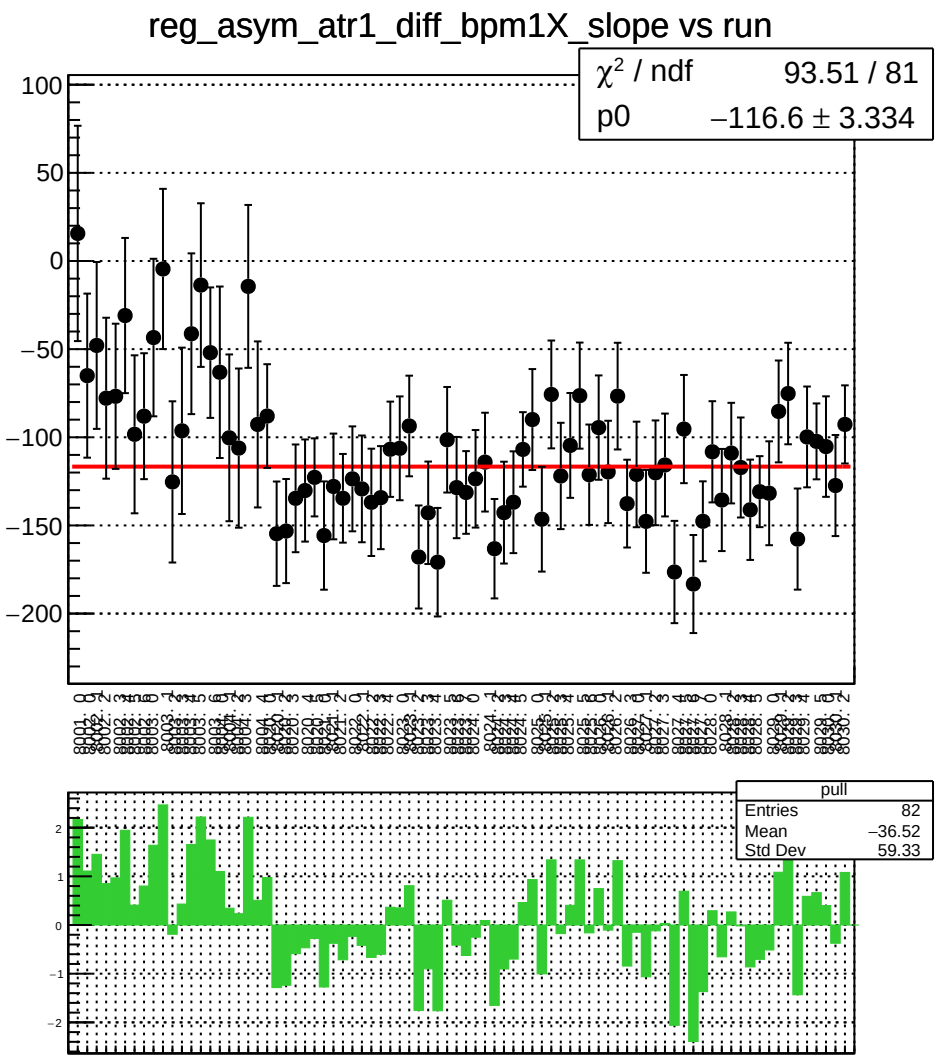

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 44.32 / 81
p0 289.5 ± 10.28
500
400
300
200
100
0
pull
Entries 82
Mean −109
Std Dev 141.5
0.5
0
−0.5
−1
−1.5

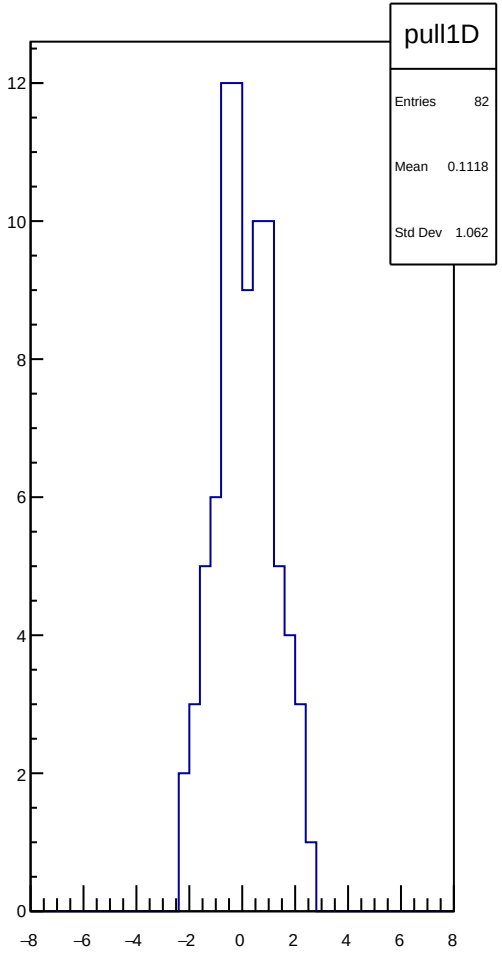

pull1D
Entries 82
Mean −0.08044
Std Dev 0.7308
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

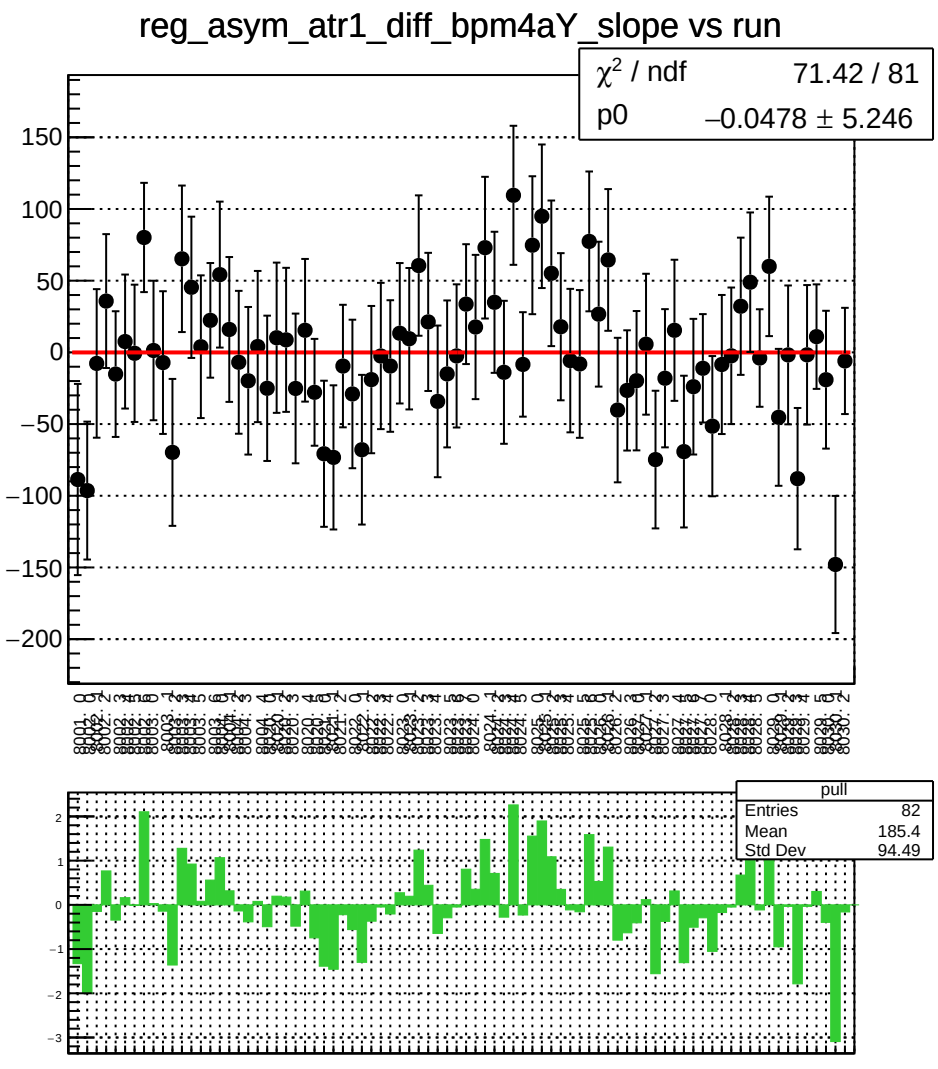

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.421 / 81
p0 10.36 ± 16.61
300
200
100
0
−100
−200
pull
Entries 82
Mean −537.4
Std Dev 580.5
0.6
0.4
0.2
0
−0.2
−0.4

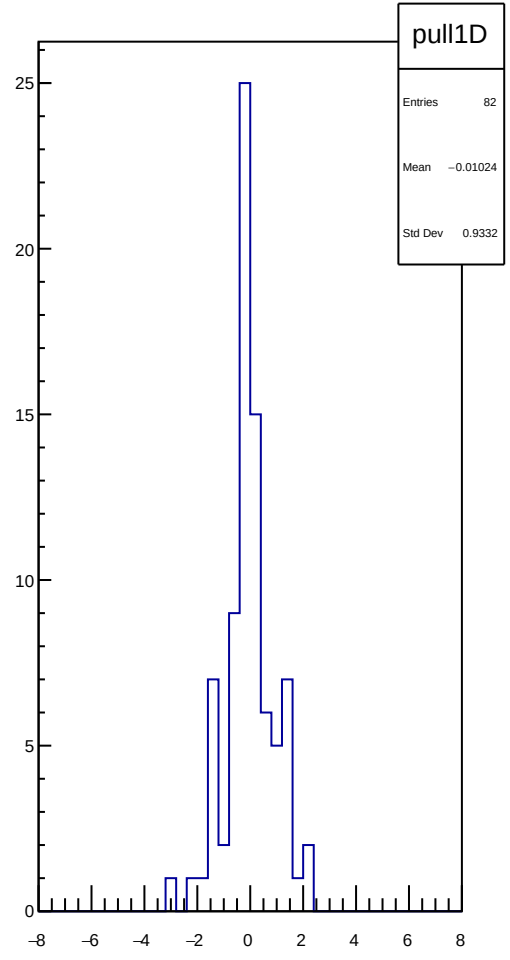

pull1D
Entries 82
Mean 0.00532
Std Dev 0.2798
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

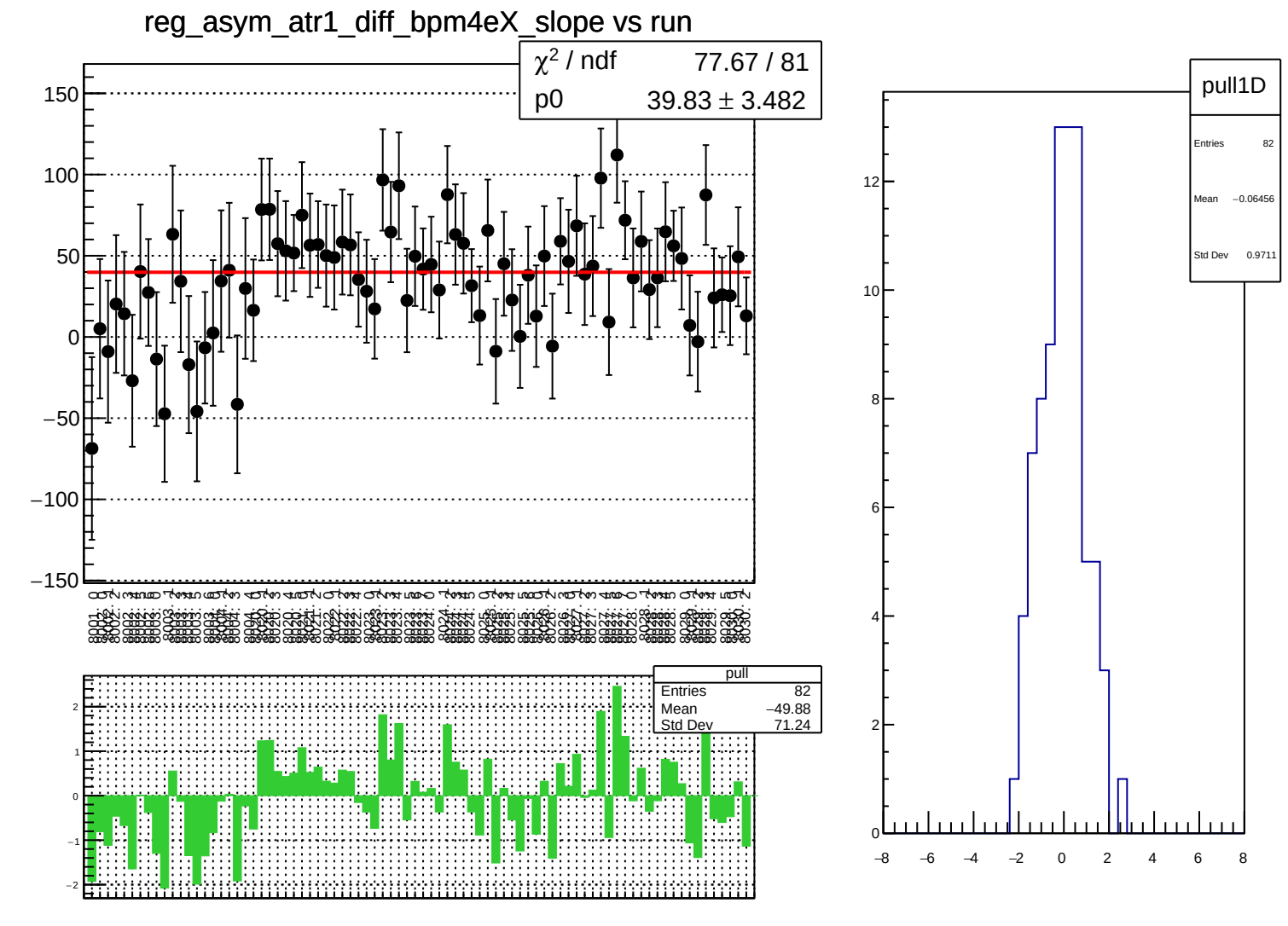

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 488.2 / 81
p0 −254.3 ± 0.7399
−220
−230
−240
−250
−260
−270
−280
−290
pull
Entries 82
Mean 97.11
Std Dev 57.19
6
4
2
0
−2
pull1D
Entries 82
Mean −0.7427
Std Dev 2.324
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

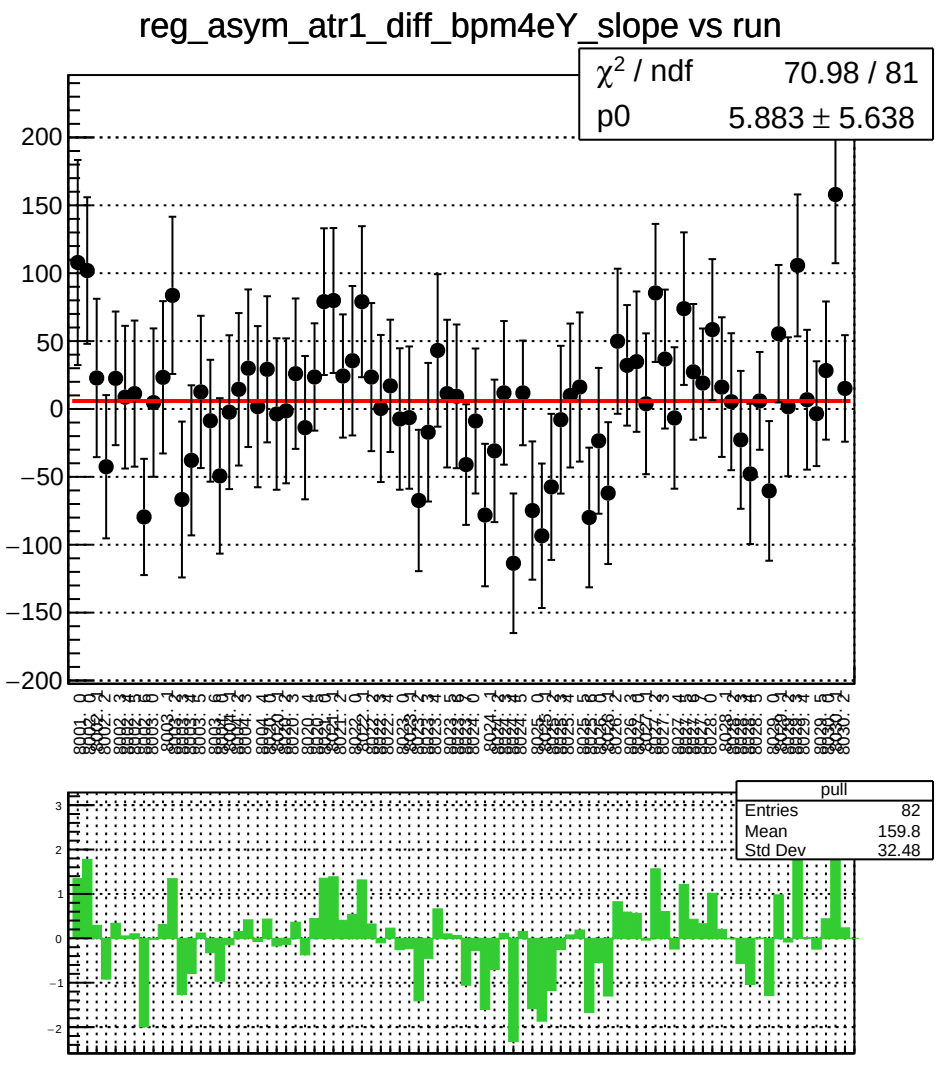

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 93.51 / 81
p0 −116.6 ± 3.334
pull
Entries 82
Mean −36.52
Std Dev 59.33

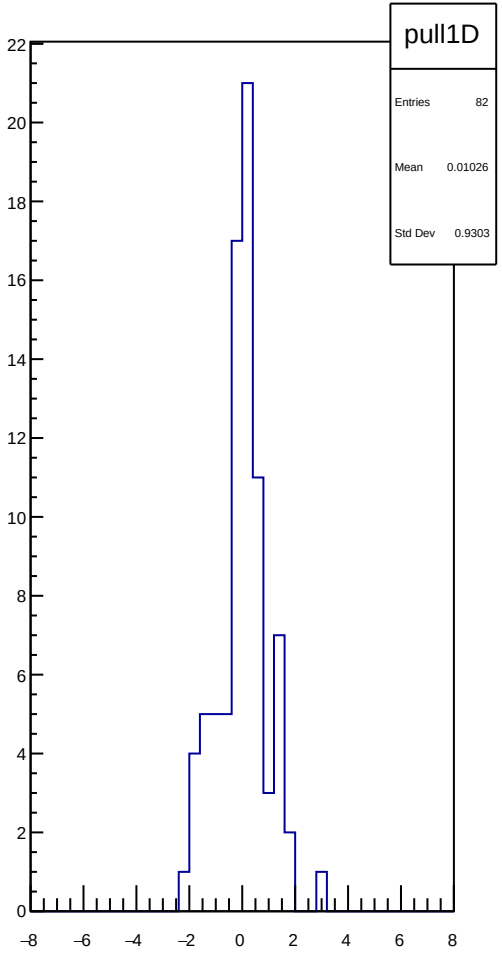

pull1D
Entries 82
Mean 0.1118
Std Dev 1.062

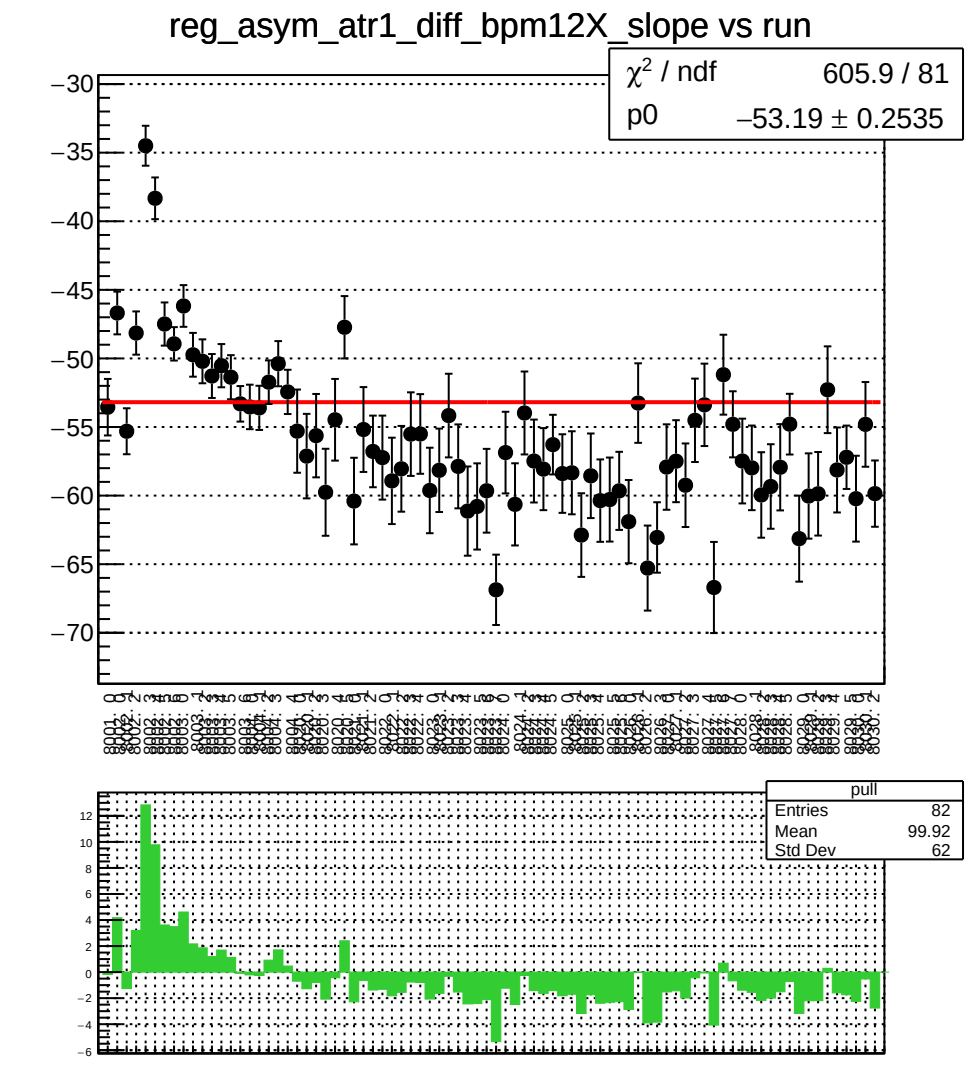

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 71.42 / 81
p0 −0.0478 ± 5.246
pull
Entries 82
Mean 185.4
Std Dev 94.49

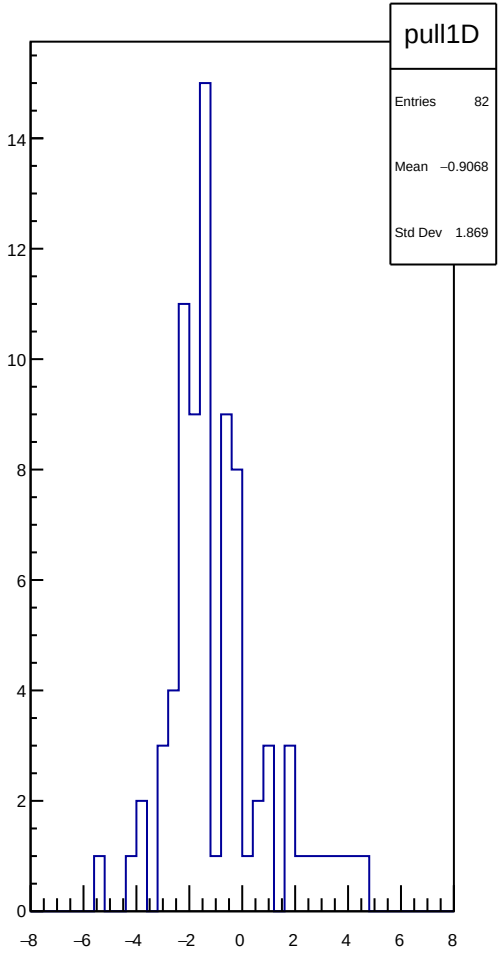

pull1D
Entries 82
Mean −0.01024
Std Dev 0.9332

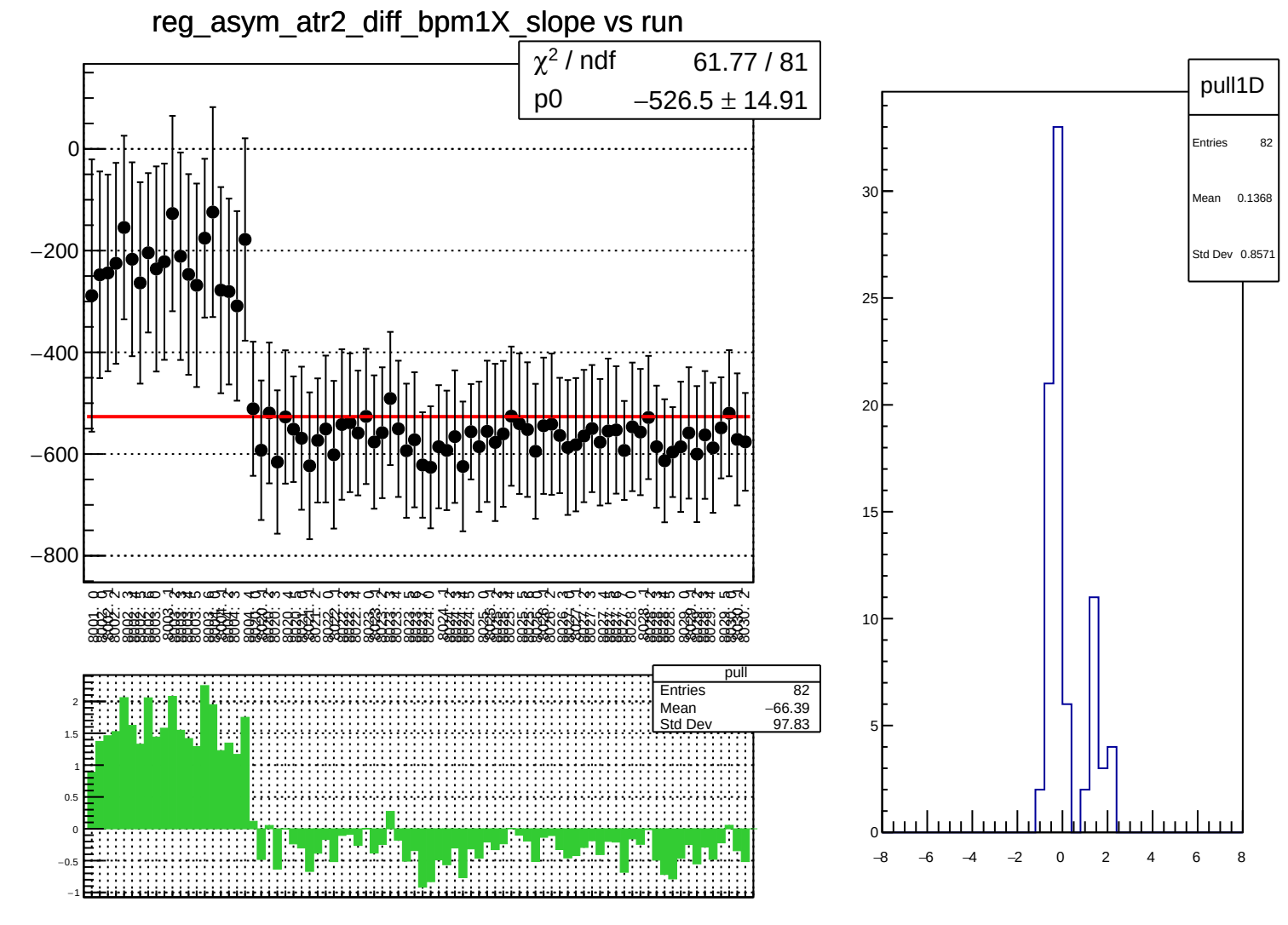

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 77.67 / 81
p0 39.83 ± 3.482
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −49.88
Std Dev 71.24
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.06456
Std Dev 0.9711
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

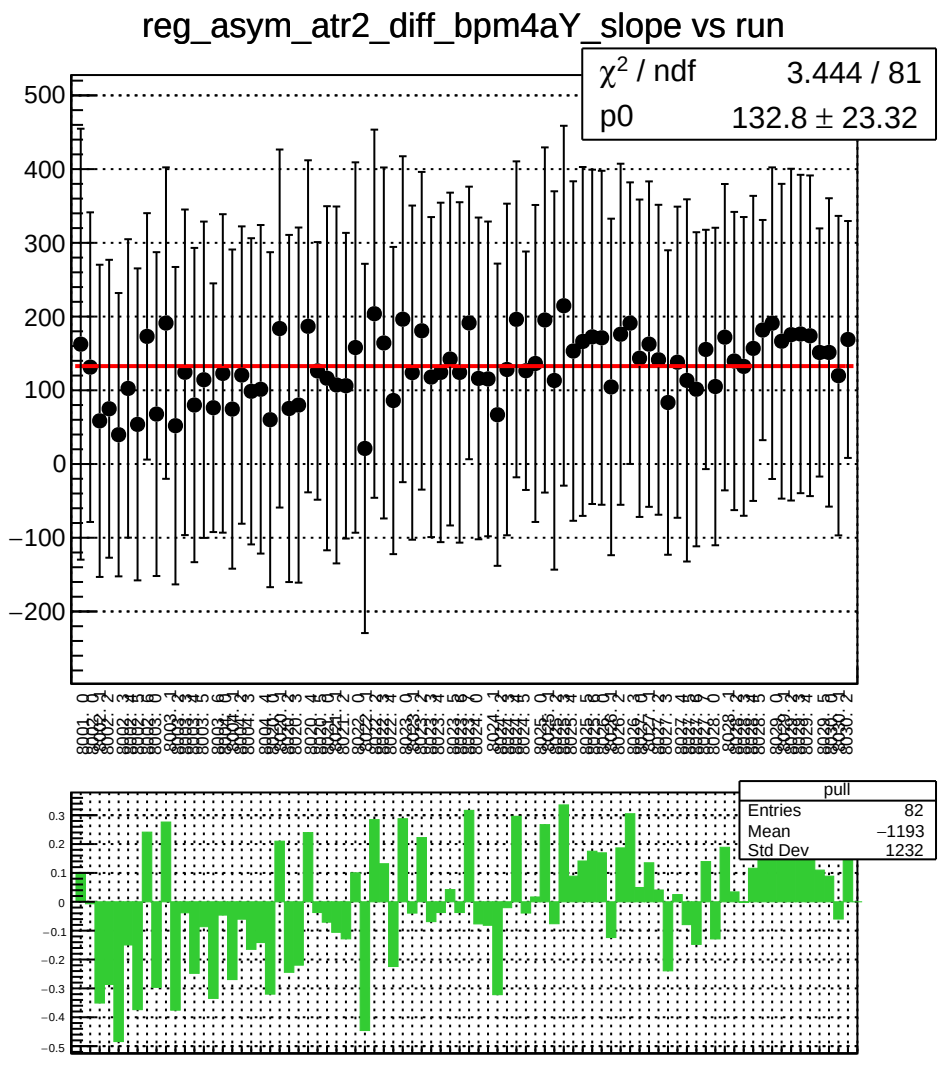

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 70.98 / 81
p0 5.883 ± 5.638
pull
Entries 82
Mean 159.8
Std Dev 32.48

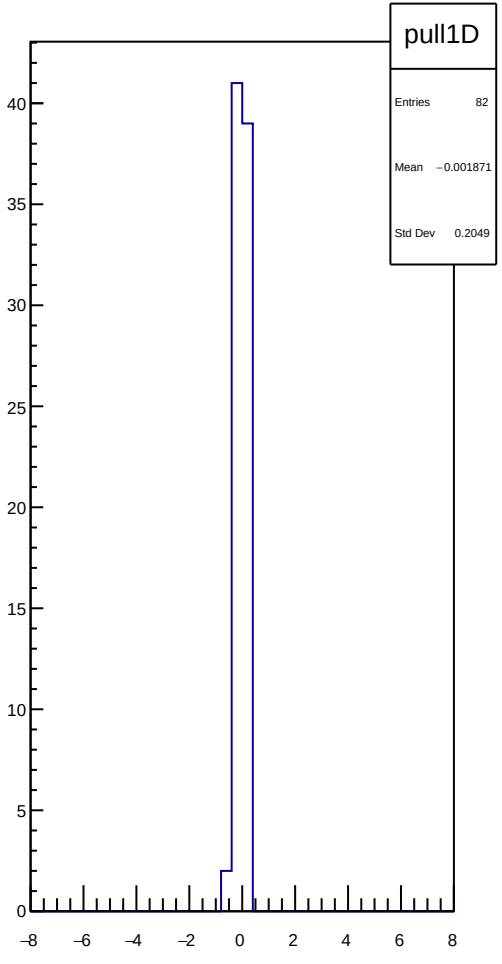

pull1D
Entries 82
Mean 0.01026
Std Dev 0.9303

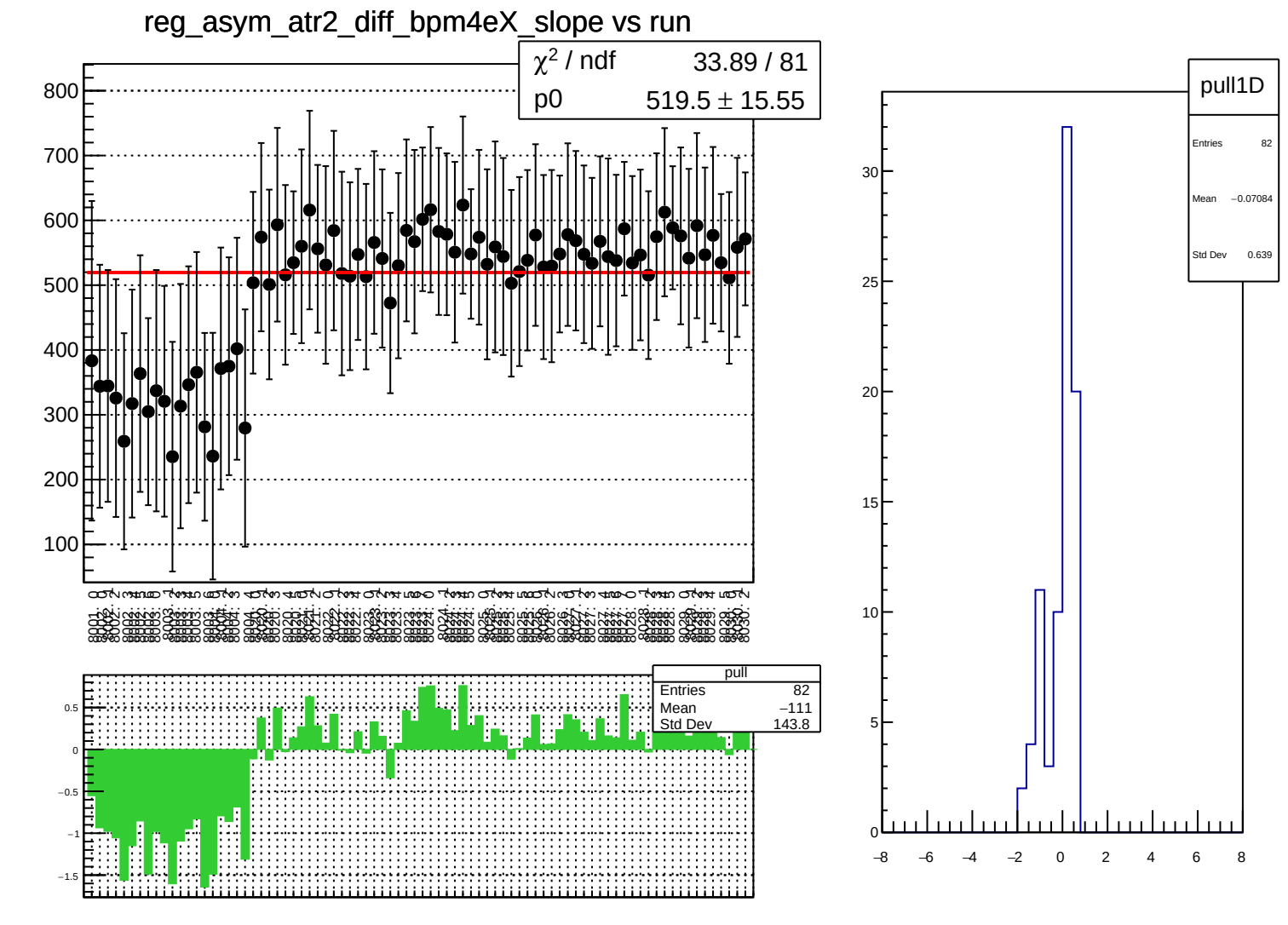

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 605.9 / 81
p0 −53.19 ± 0.2535
pull
Entries 82
Mean 99.92
Std Dev 62

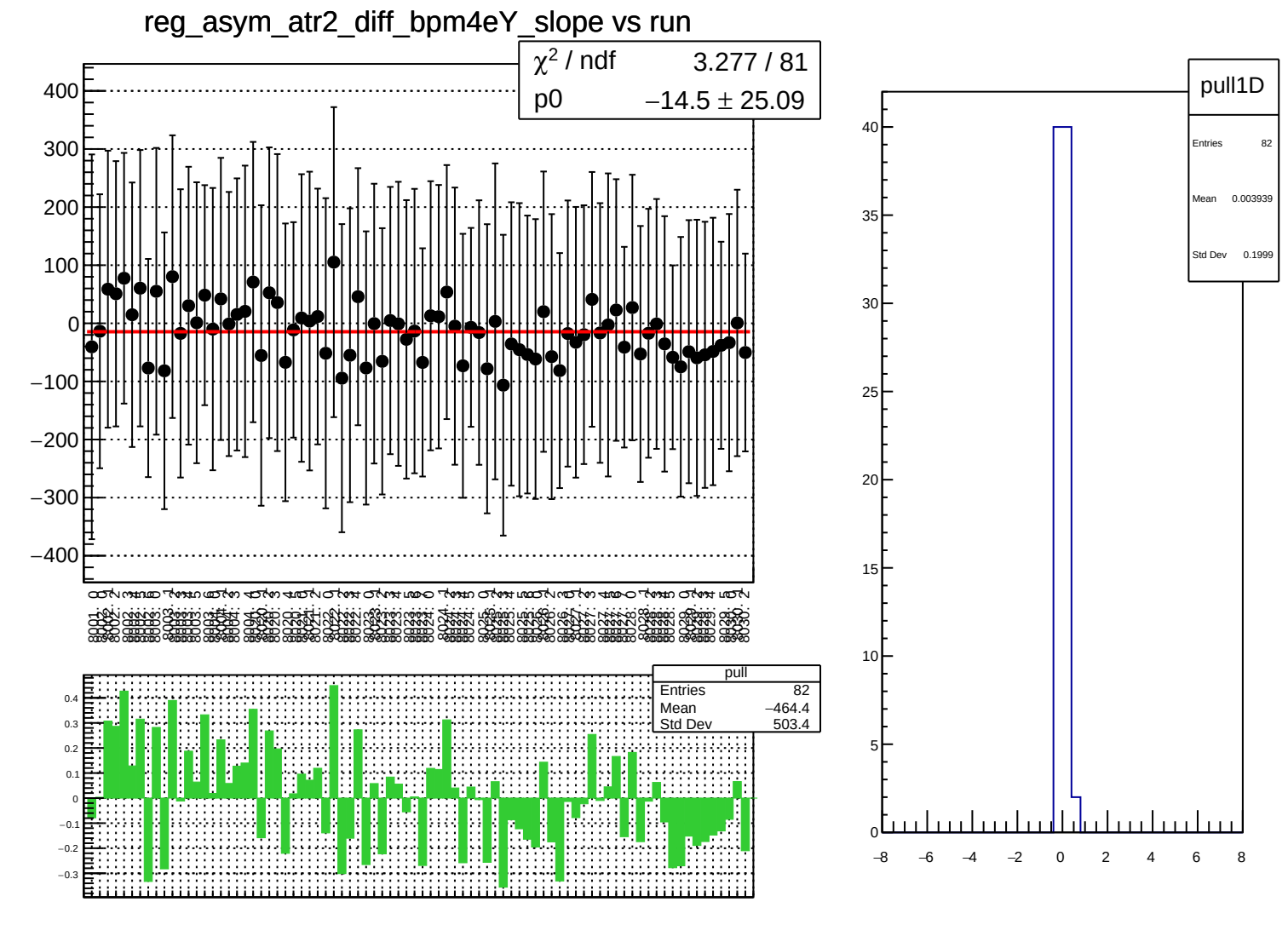

pull1D
Entries 82
Mean −0.9068
Std Dev 1.869

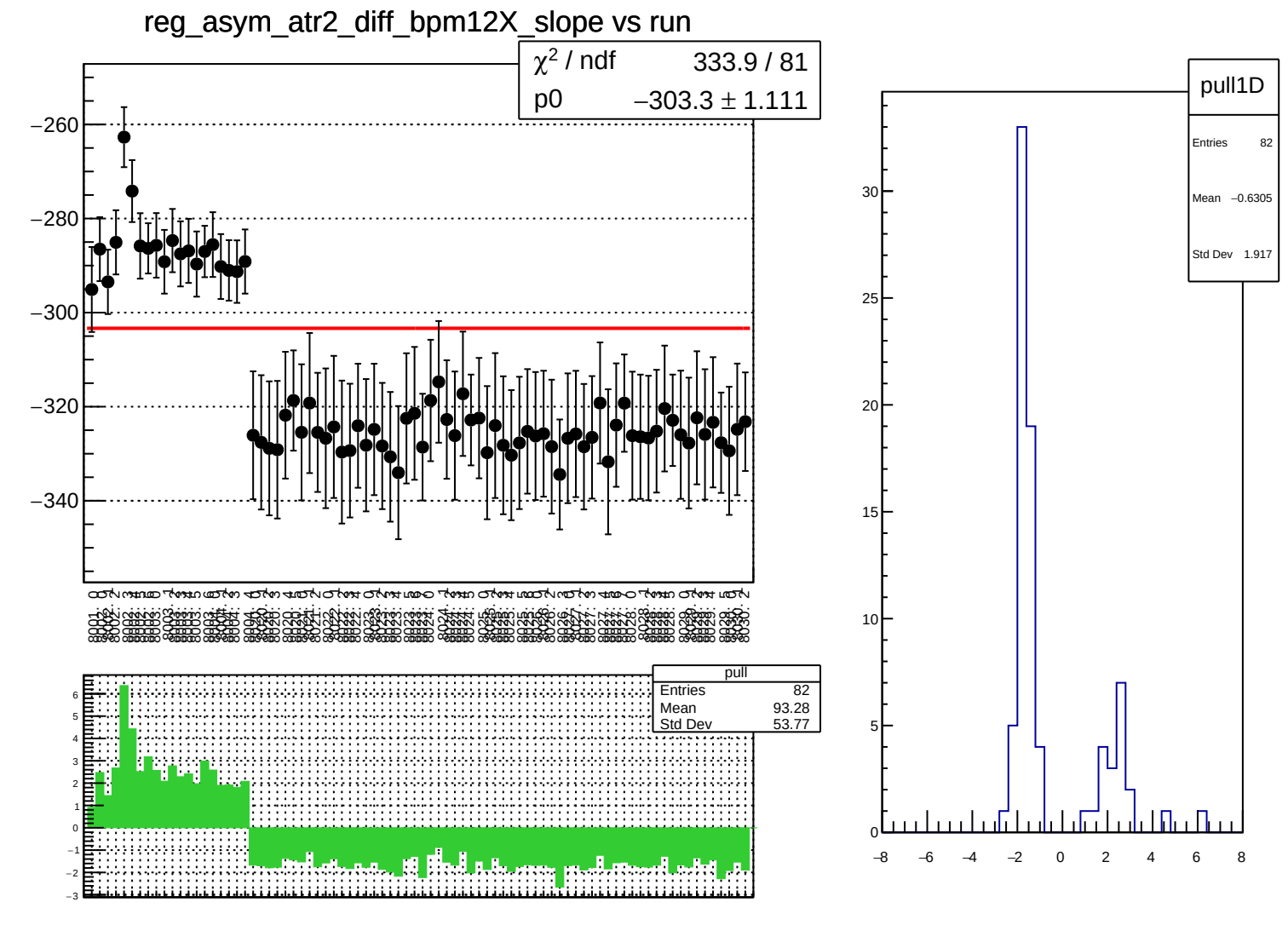

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 61.77 / 81
p0 −526.5 ± 14.91
pull
Entries 82
Mean −66.39
Std Dev 97.83
pull1D
Entries 82
Mean 0.1368
Std Dev 0.8571

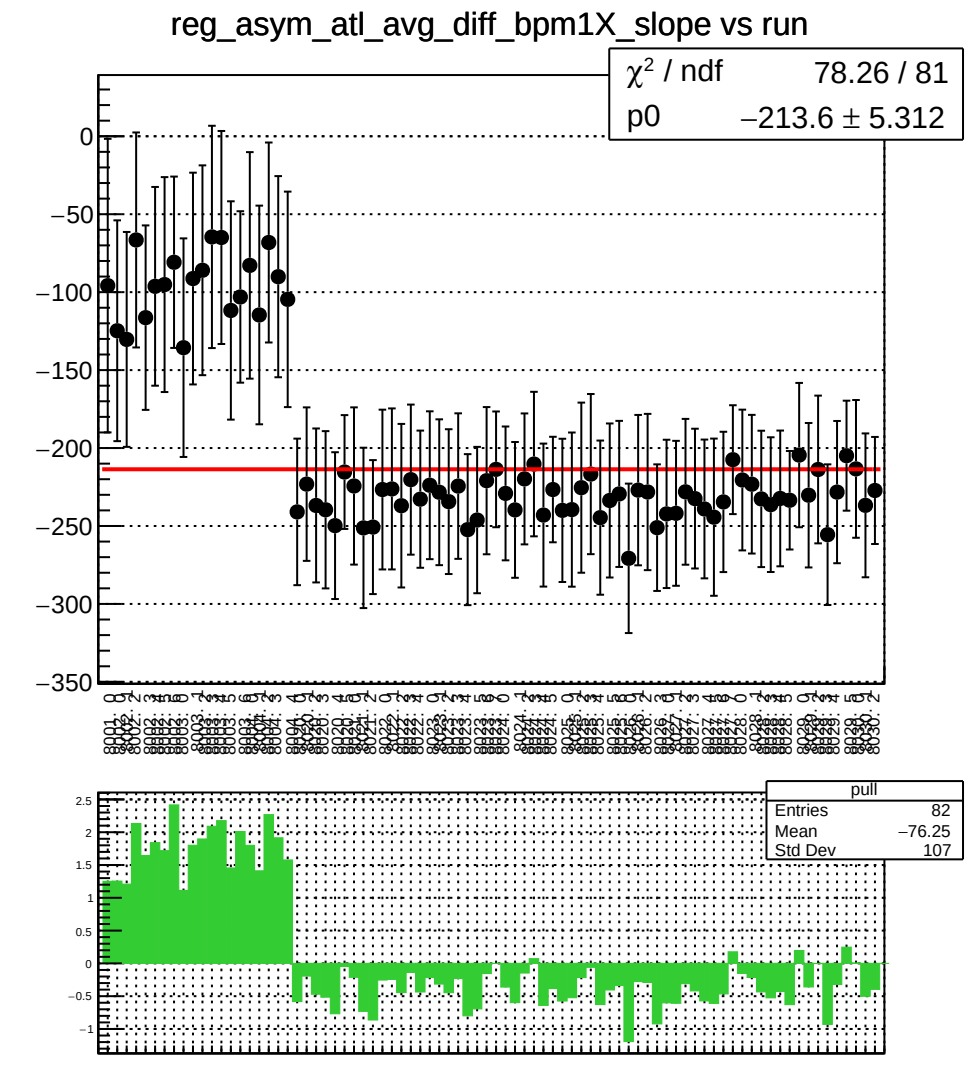

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.444 / 81
p0 132.8 ± 23.32
pull
Entries 82
Mean −1193
Std Dev 1232

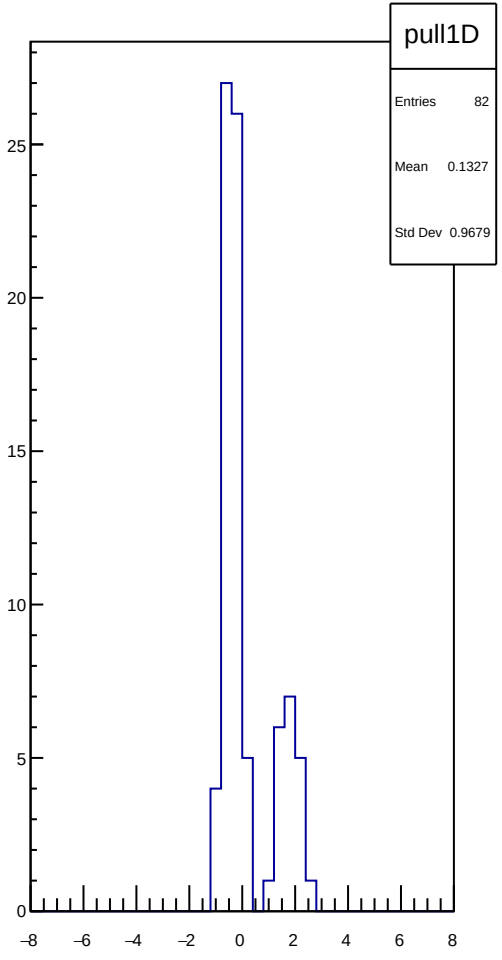

pull1D
Entries 82
Mean −0.001871
Std Dev 0.2049

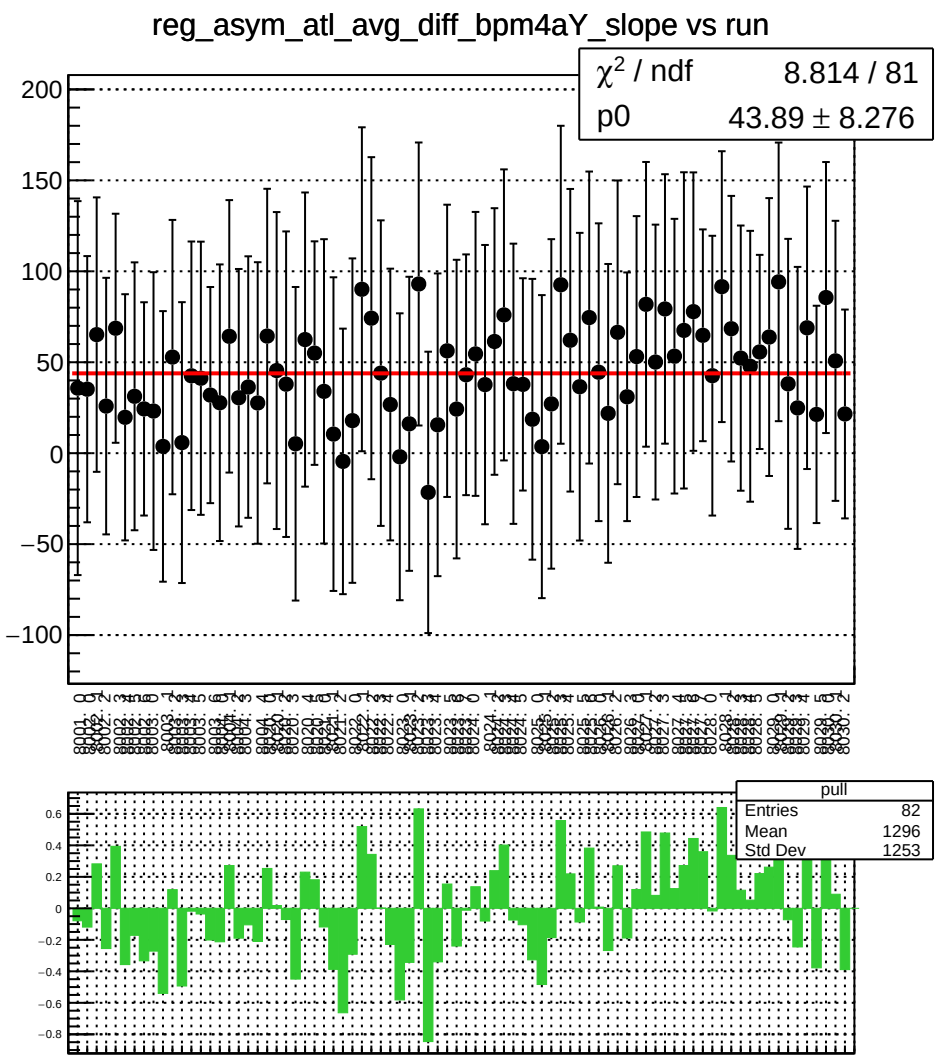

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 33.89 / 81
p0 519.5 ± 15.55
pull
Entries 82
Mean −111
Std Dev 143.8
pull1D
Entries 82
Mean −0.07084
Std Dev 0.639

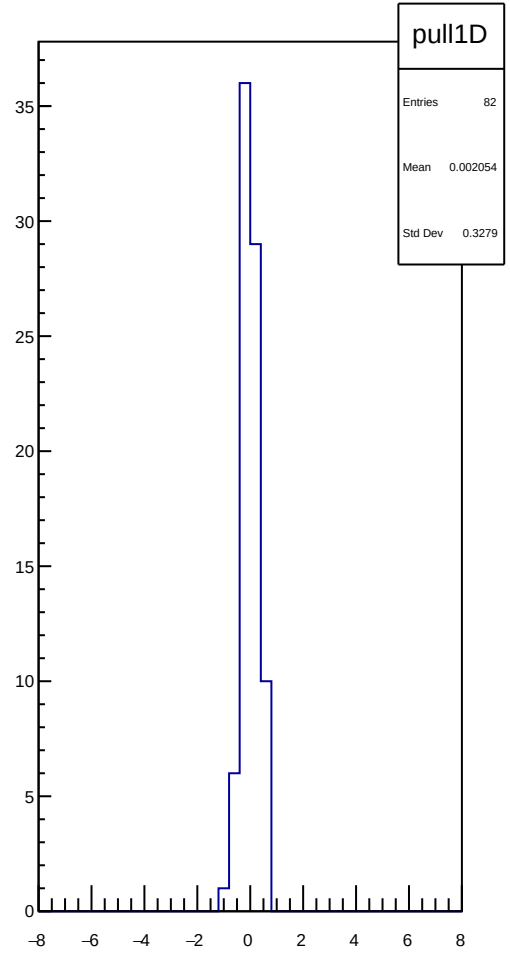

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.277 / 81
p0 −14.5 ± 25.09
pull
Entries 82
Mean −464.4
Std Dev 503.4
pull1D
Entries 82
Mean 0.003939
Std Dev 0.1999

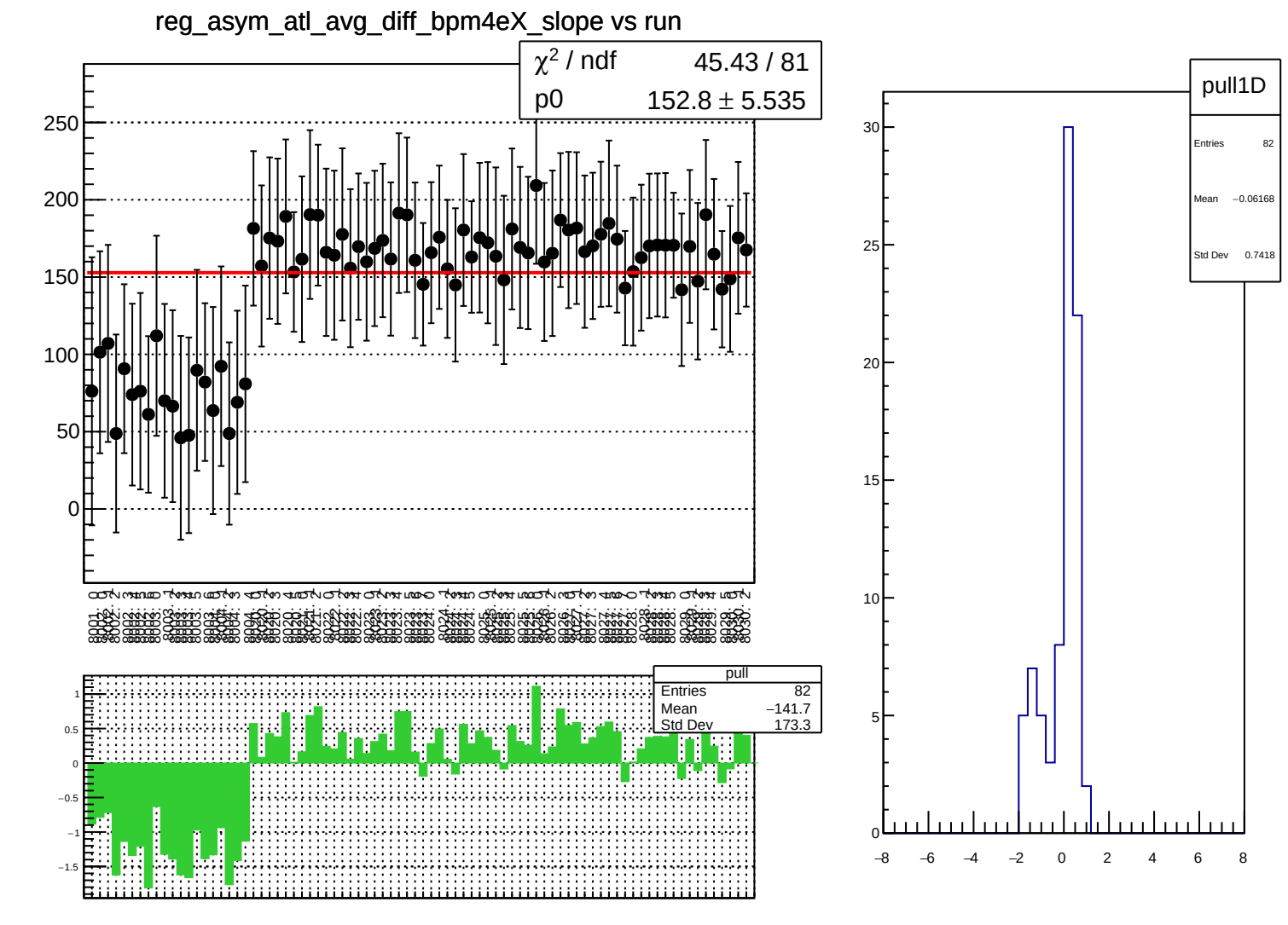

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 333.9 / 81
p0 −303.3 ± 1.111
−260
−280
−300
−320
−340
pull
Entries 82
Mean 93.28
Std Dev 53.77
pull1D
Entries 82
Mean −0.6305
Std Dev 1.917
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

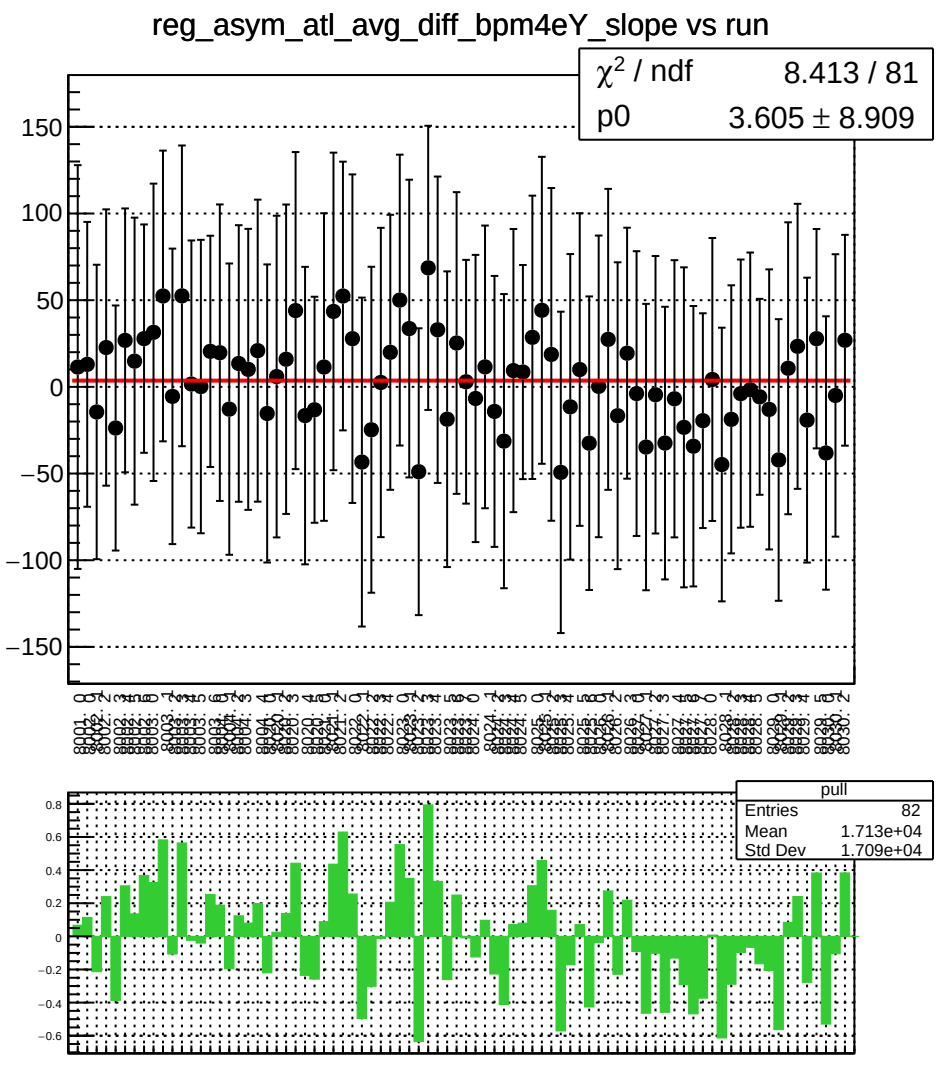

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 78.26 / 81
p0 −213.6 ± 5.312
pull
Entries 82
Mean −76.25
Std Dev 107

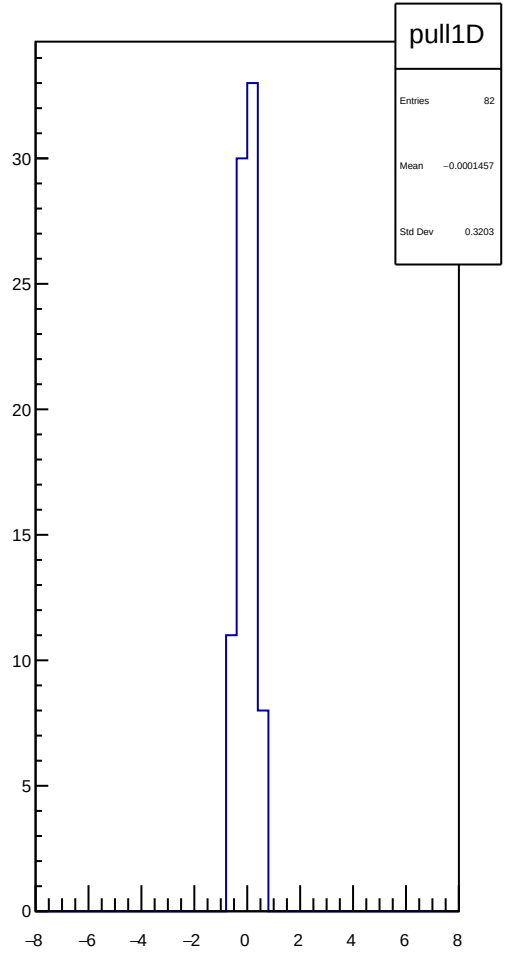

pull1D
Entries 82
Mean 0.1327
Std Dev 0.9679

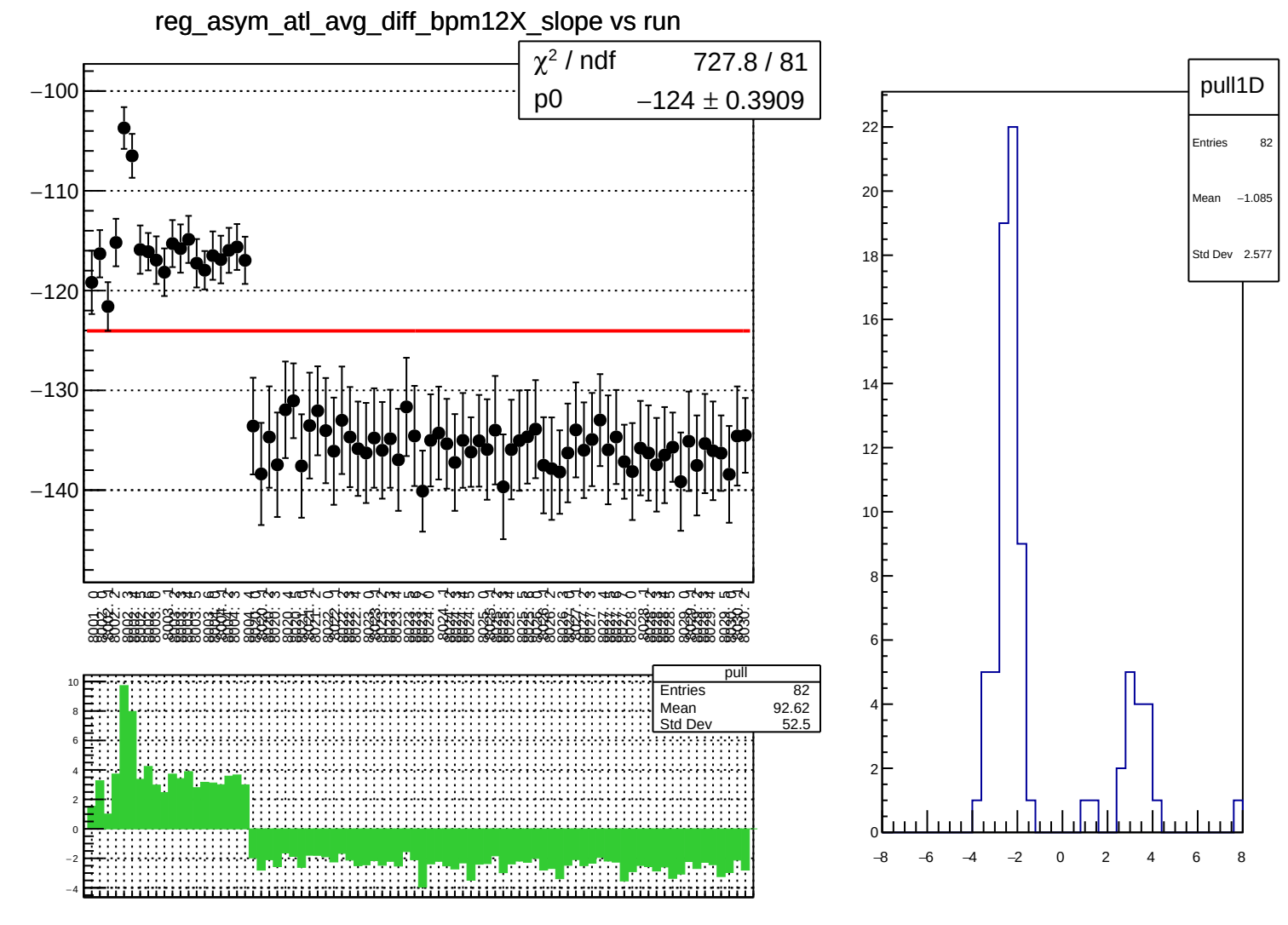

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.814 / 81
p0 43.89 ± 8.276
pull
Entries 82
Mean 1296
Std Dev 1253

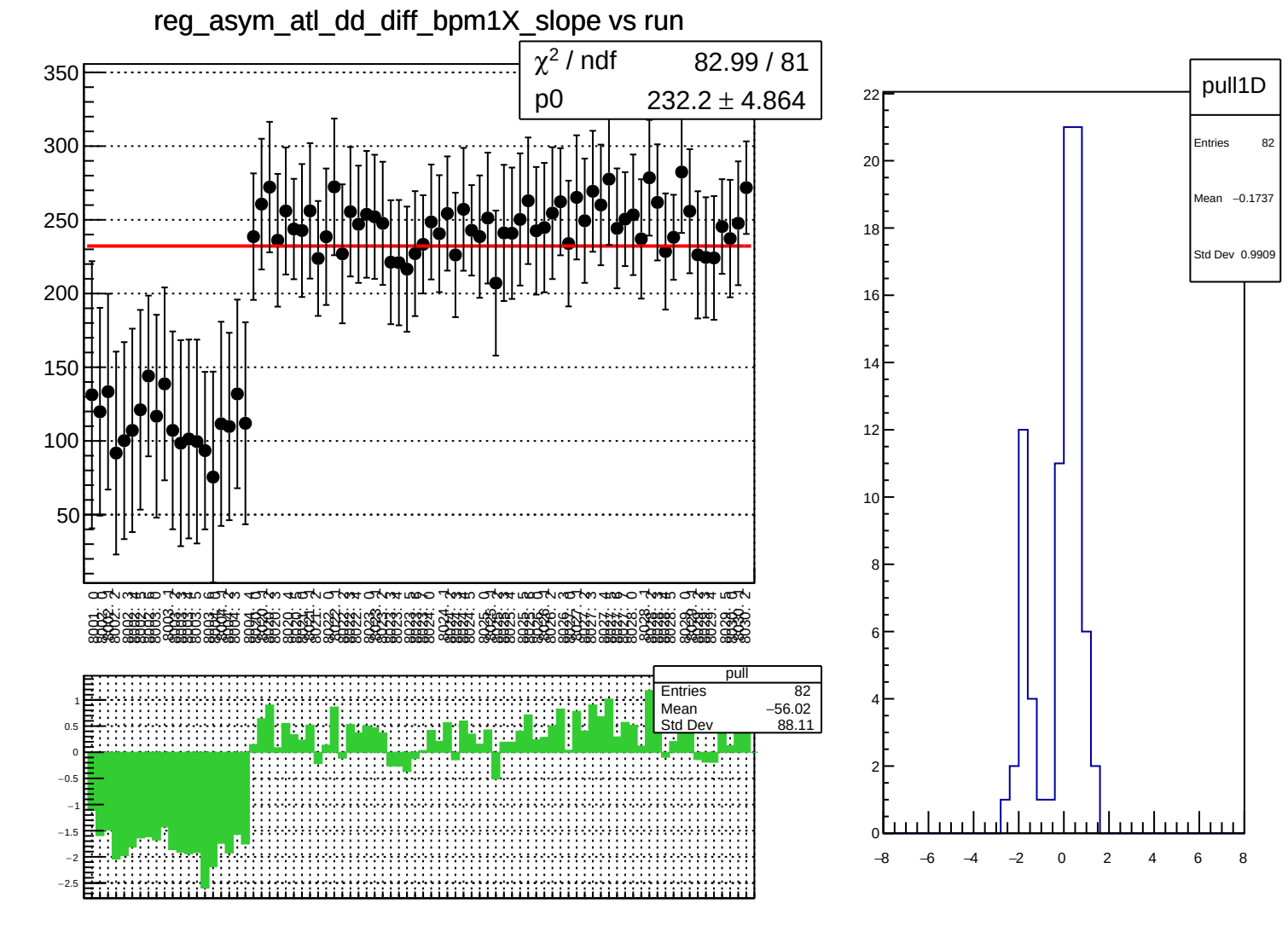

pull1D
Entries 82
Mean 0.002054
Std Dev 0.3279

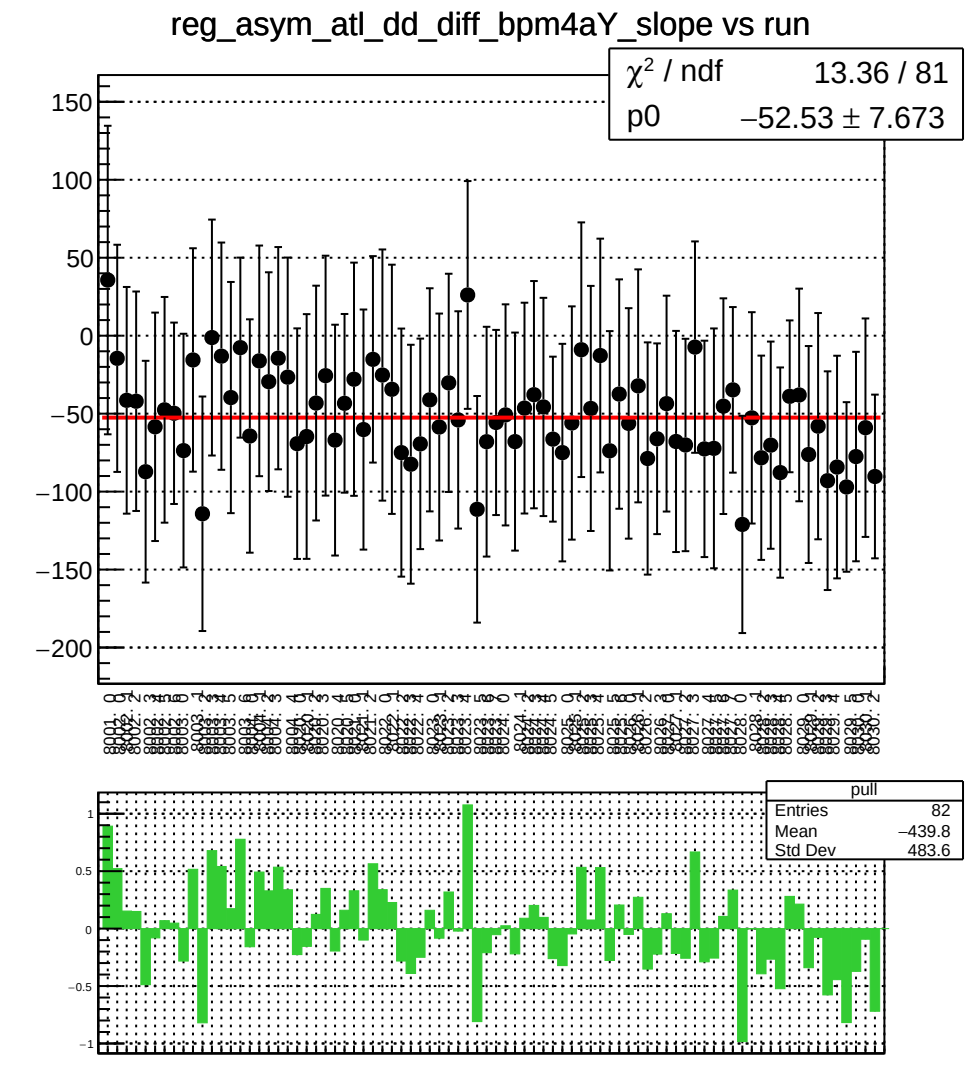

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.43 / 81
p0 152.8 ± 5.535
250
200
150
100
50
0
pull
Entries 82
Mean −141.7
Std Dev 173.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.06168
Std Dev 0.7418
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

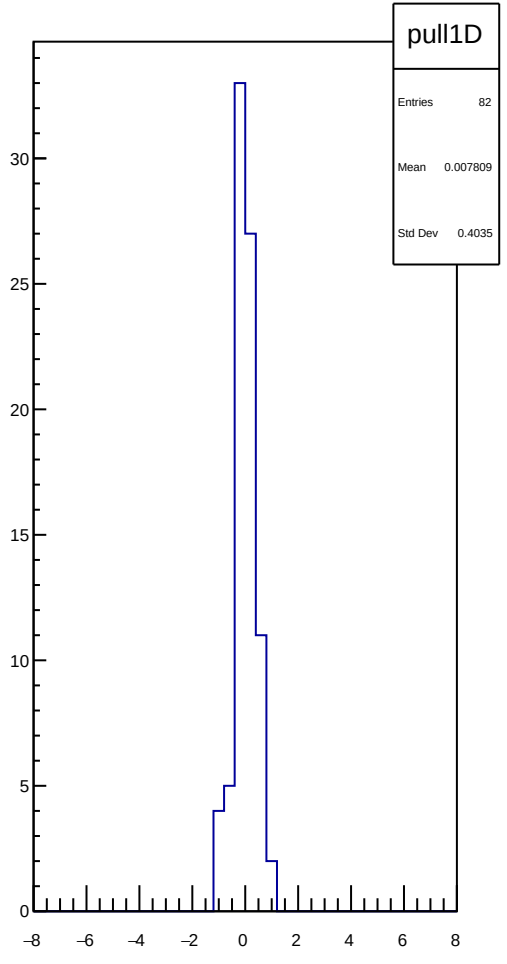

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.413 / 81
p0 3.605 ± 8.909
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 1.713e+04
Std Dev 1.709e+04
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

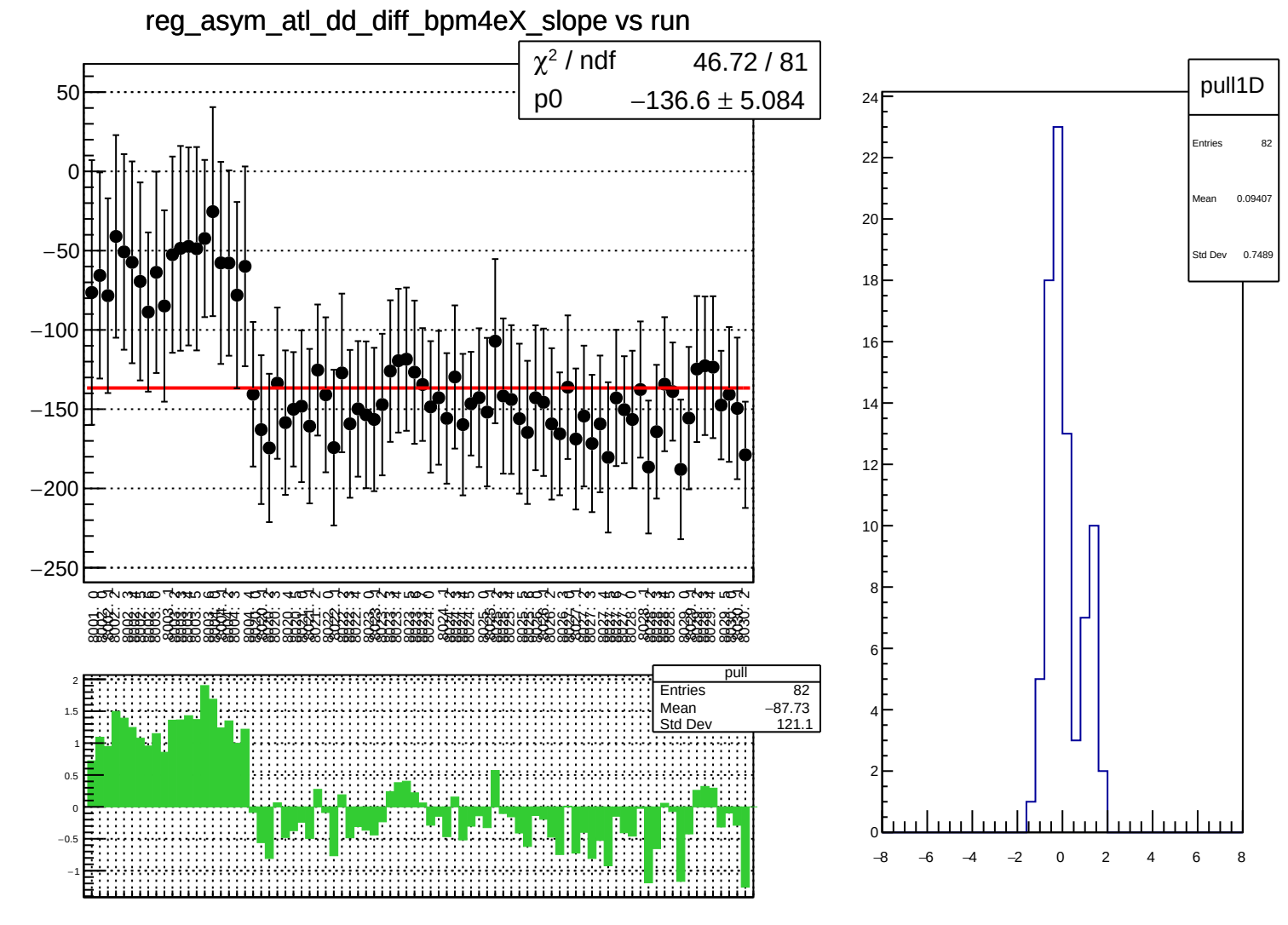

pull1D
Entries 82
Mean −0.0001457
Std Dev 0.3203
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

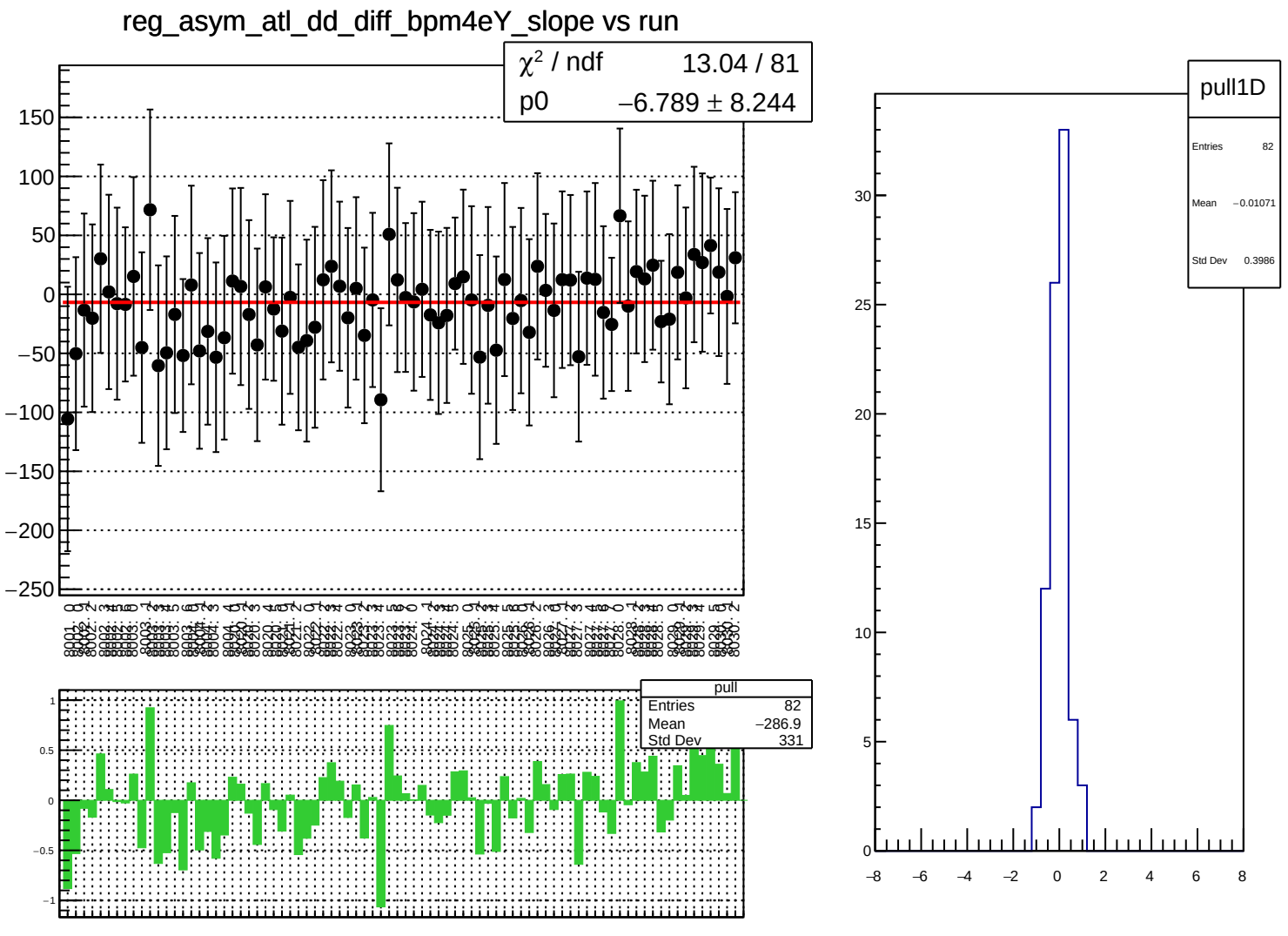

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 727.8 / 81
p0 −124 ± 0.3909
−100
−110
−120
−130
−140
pull
Entries 82
Mean 92.62
Std Dev 52.5
pull1D
Entries 82
Mean −1.085
Std Dev 2.577

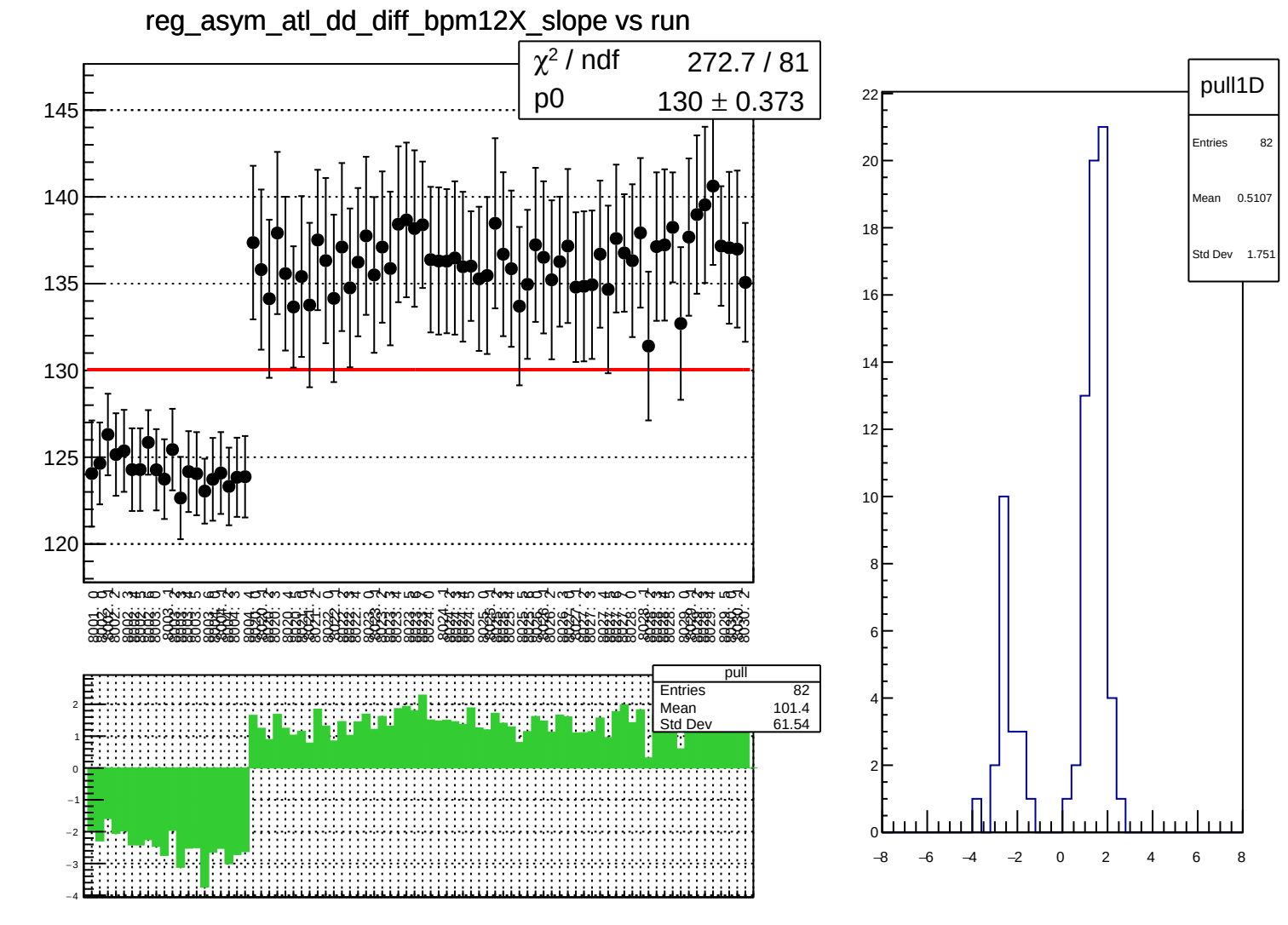

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 82.99 / 81
p0 232.2 ± 4.864
pull
Entries 82
Mean −56.02
Std Dev 88.11
pull1D
Entries 82
Mean −0.1737
Std Dev 0.9909

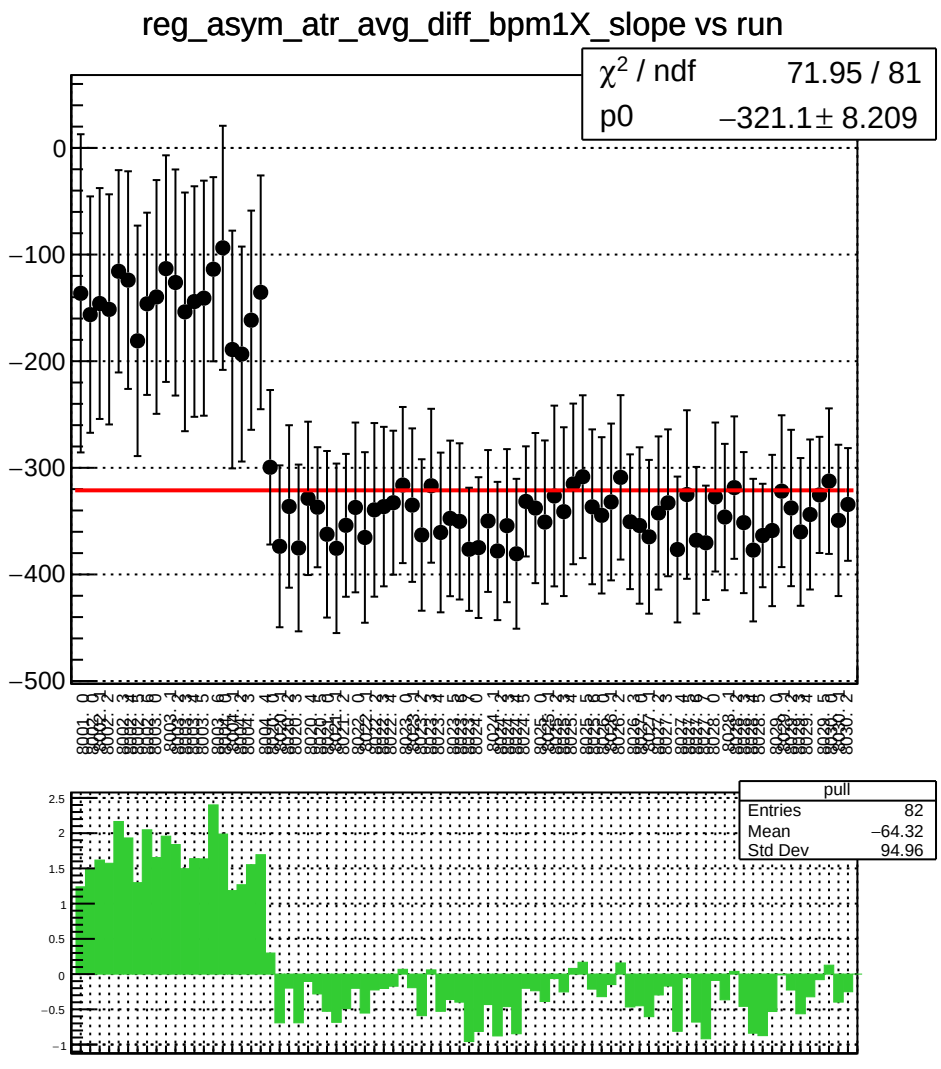

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.36 / 81
p0 −52.53 ± 7.673
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean −439.8
Std Dev 483.6
1
0.5
0
−0.5
−1

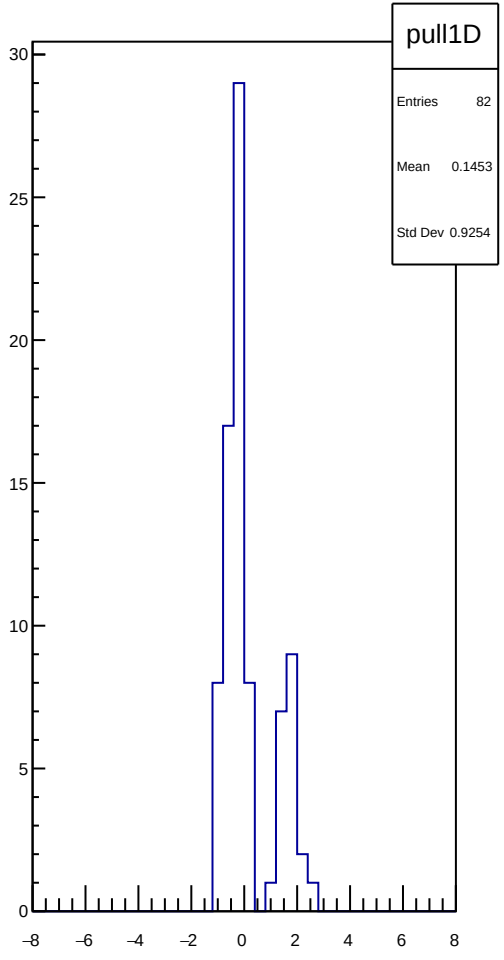

pull1D
Entries 82
Mean 0.007809
Std Dev 0.4035
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

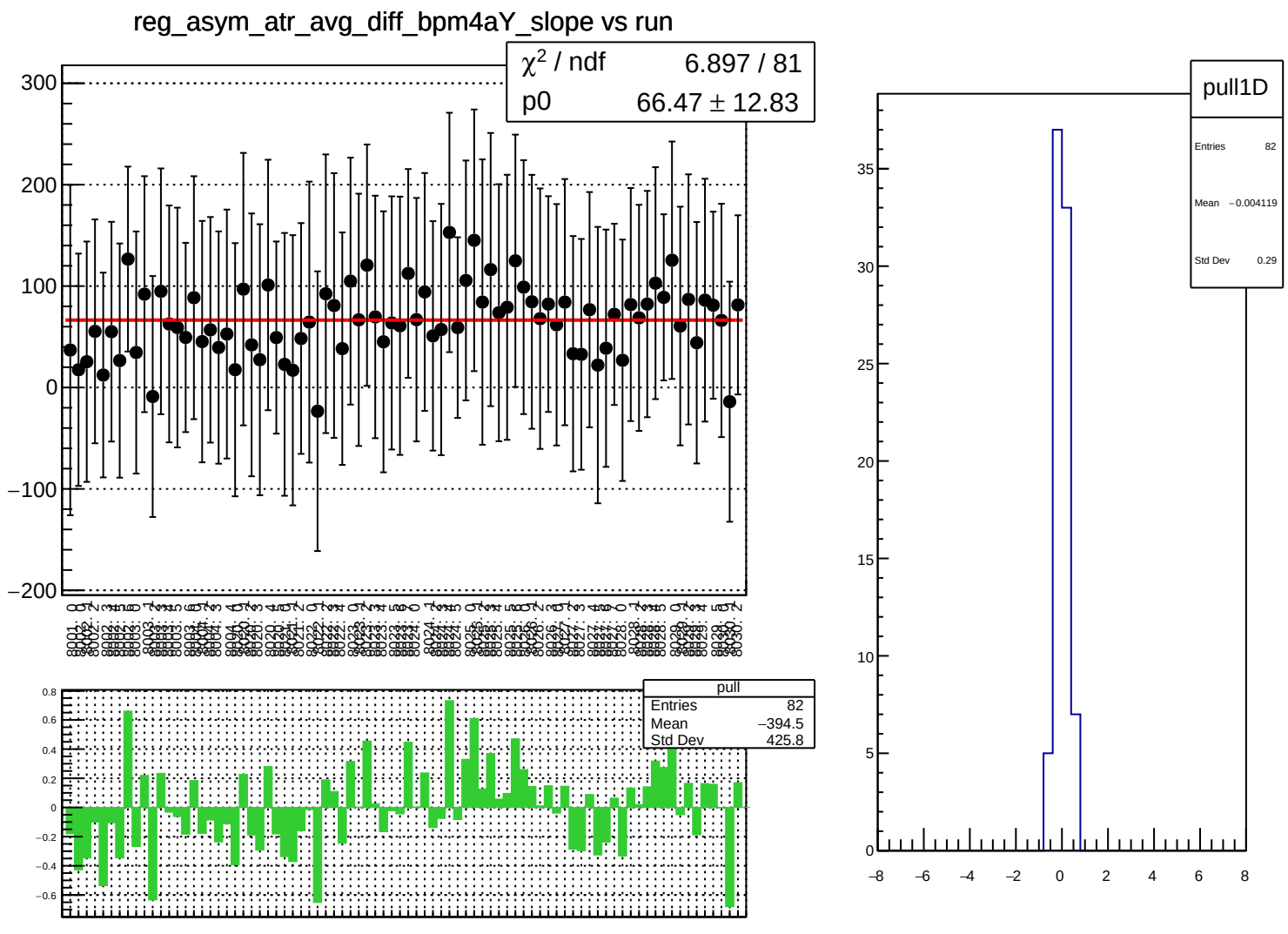

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.72 / 81
p0 −136.6 ± 5.084
pull
Entries 82
Mean −87.73
Std Dev 121.1
pull1D
Entries 82
Mean 0.09407
Std Dev 0.7489

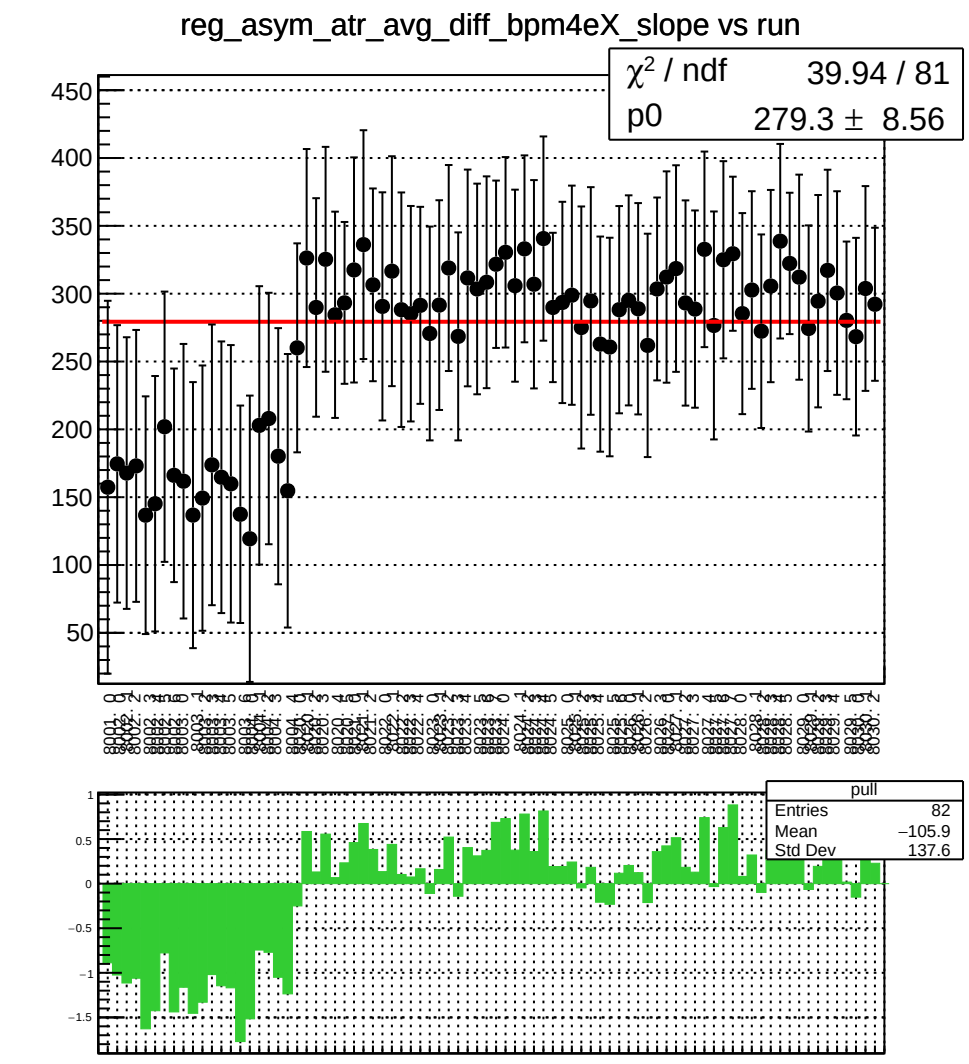

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.04 / 81
p0 −6.789 ± 8.244
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean −286.9
Std Dev 331
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.01071
Std Dev 0.3986
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

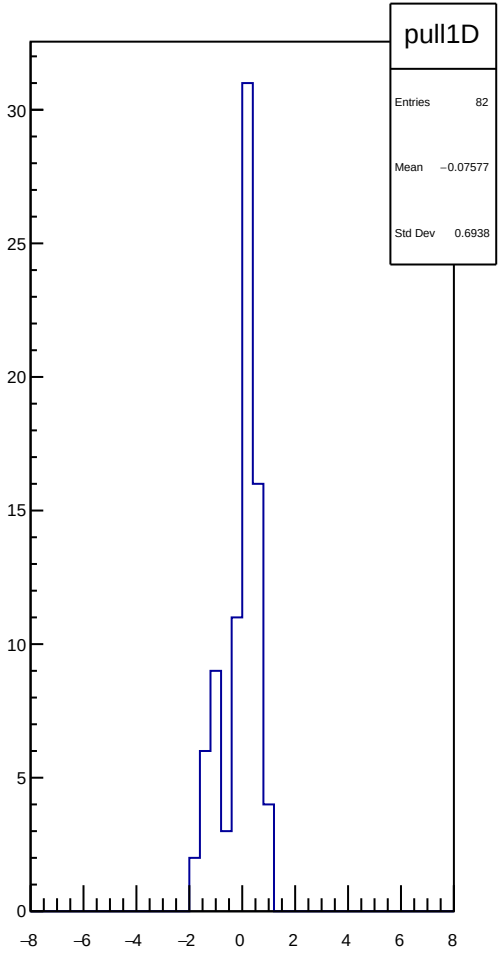

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 272.7 / 81
p0 130 ± 0.373
145
140
135
130
125
120
pull
Entries 82
Mean 101.4
Std Dev 61.54
2
1
0
−1
−2
−3
−4
pull1D
Entries 82
Mean 0.5107
Std Dev 1.751
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

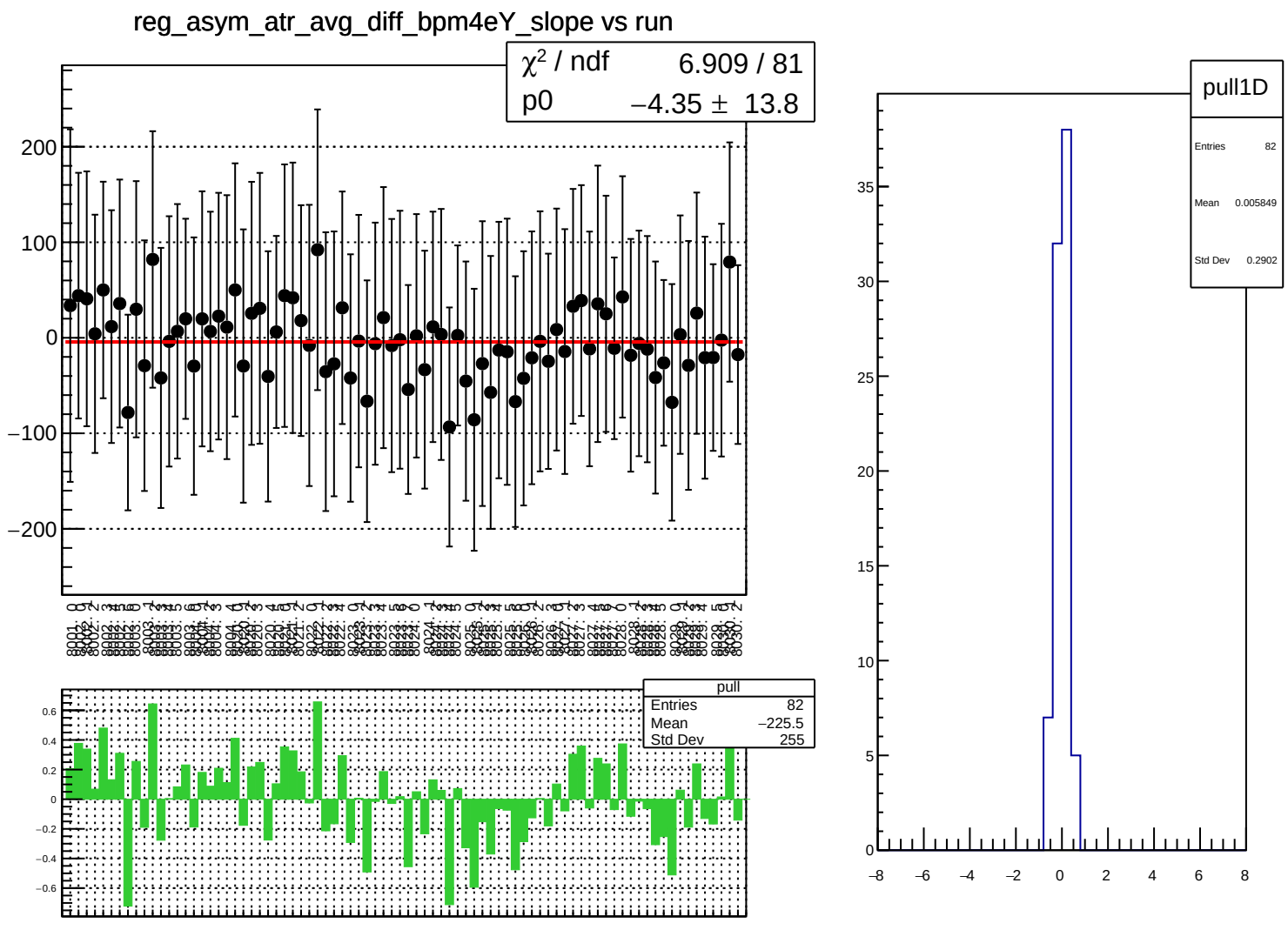

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 71.95 / 81
p0 −321.1 ± 8.209
pull
Entries 82
Mean −64.32
Std Dev 94.96

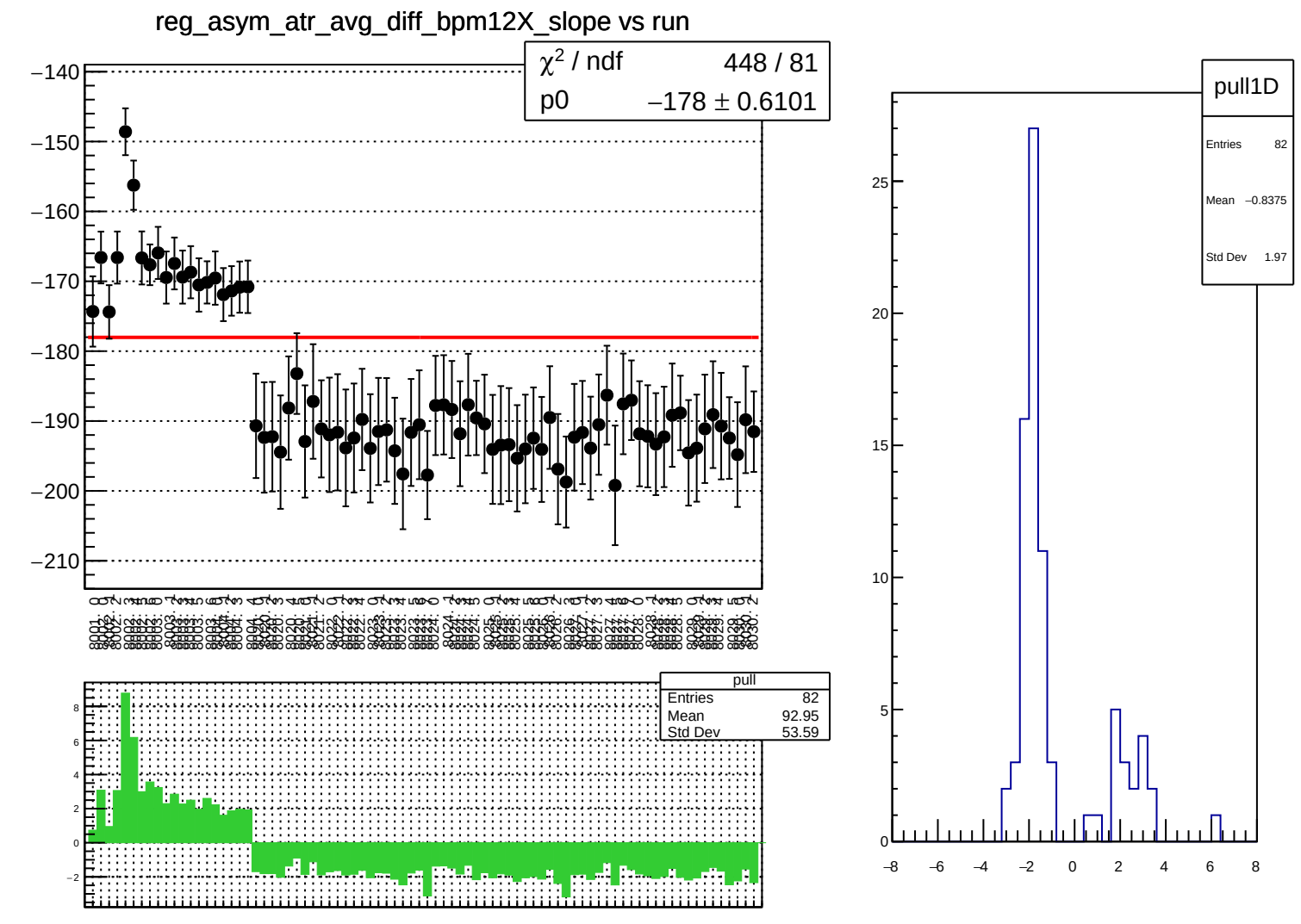

pull1D
Entries 82
Mean 0.1453
Std Dev 0.9254

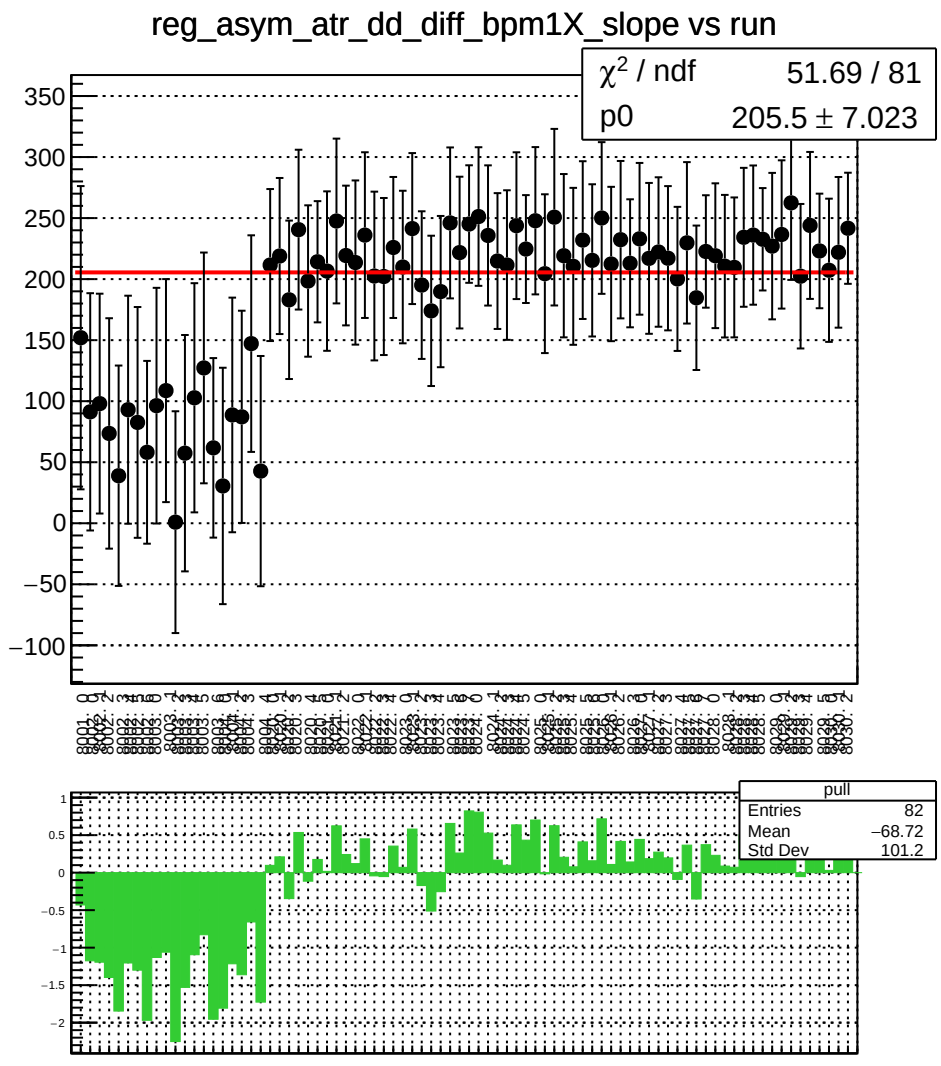

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.897 / 81
p0 66.47 ± 12.83
pull
Entries 82
Mean −394.5
Std Dev 425.8
pull1D
Entries 82
Mean −0.004119
Std Dev 0.29

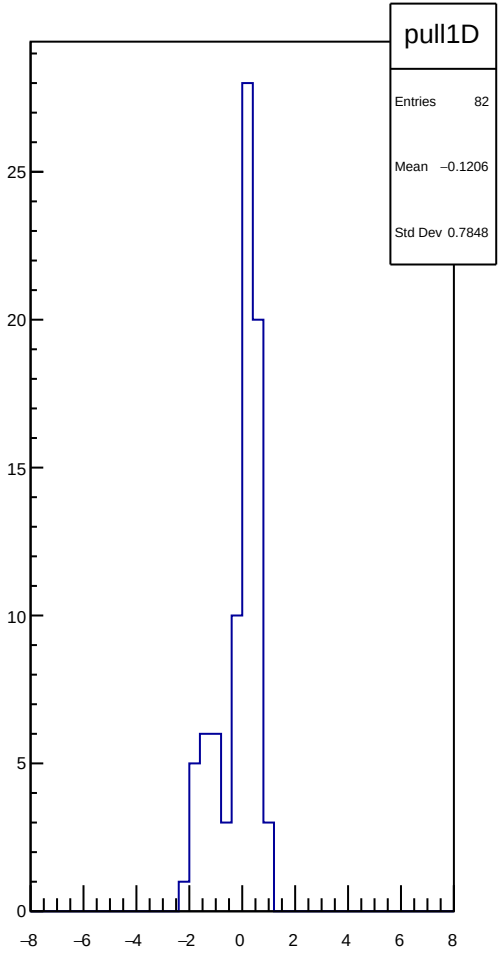

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.94 / 81
p0 279.3 ± 8.56
pull
Entries 82
Mean −105.9
Std Dev 137.6

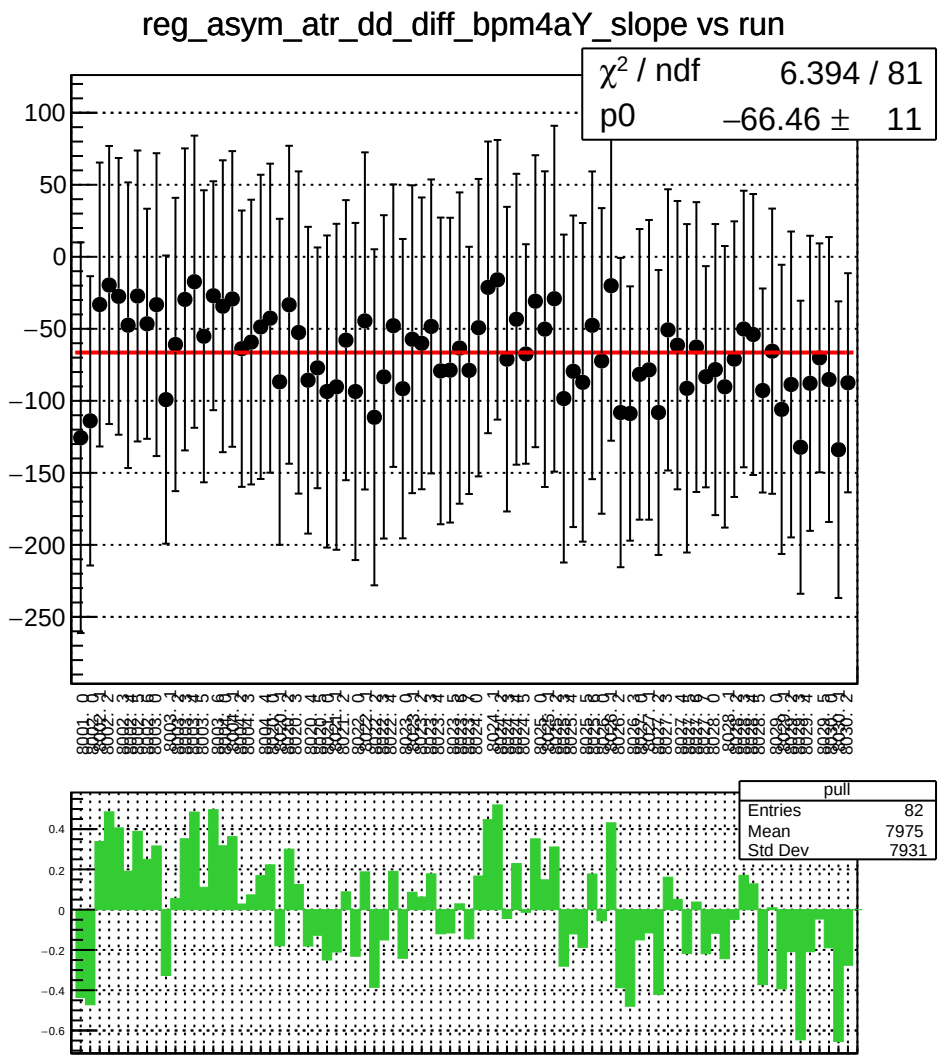

pull1D
Entries 82
Mean −0.07577
Std Dev 0.6938

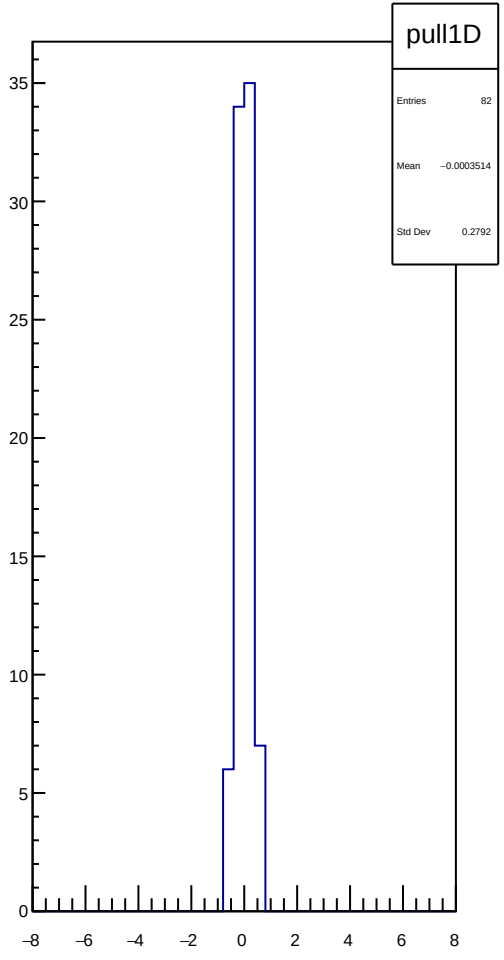

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.909 / 81
p0 −4.35 ± 13.8
200
100
0
−100
−200
pull
Entries 82
Mean −225.5
Std Dev 255
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean 0.005849
Std Dev 0.2902
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

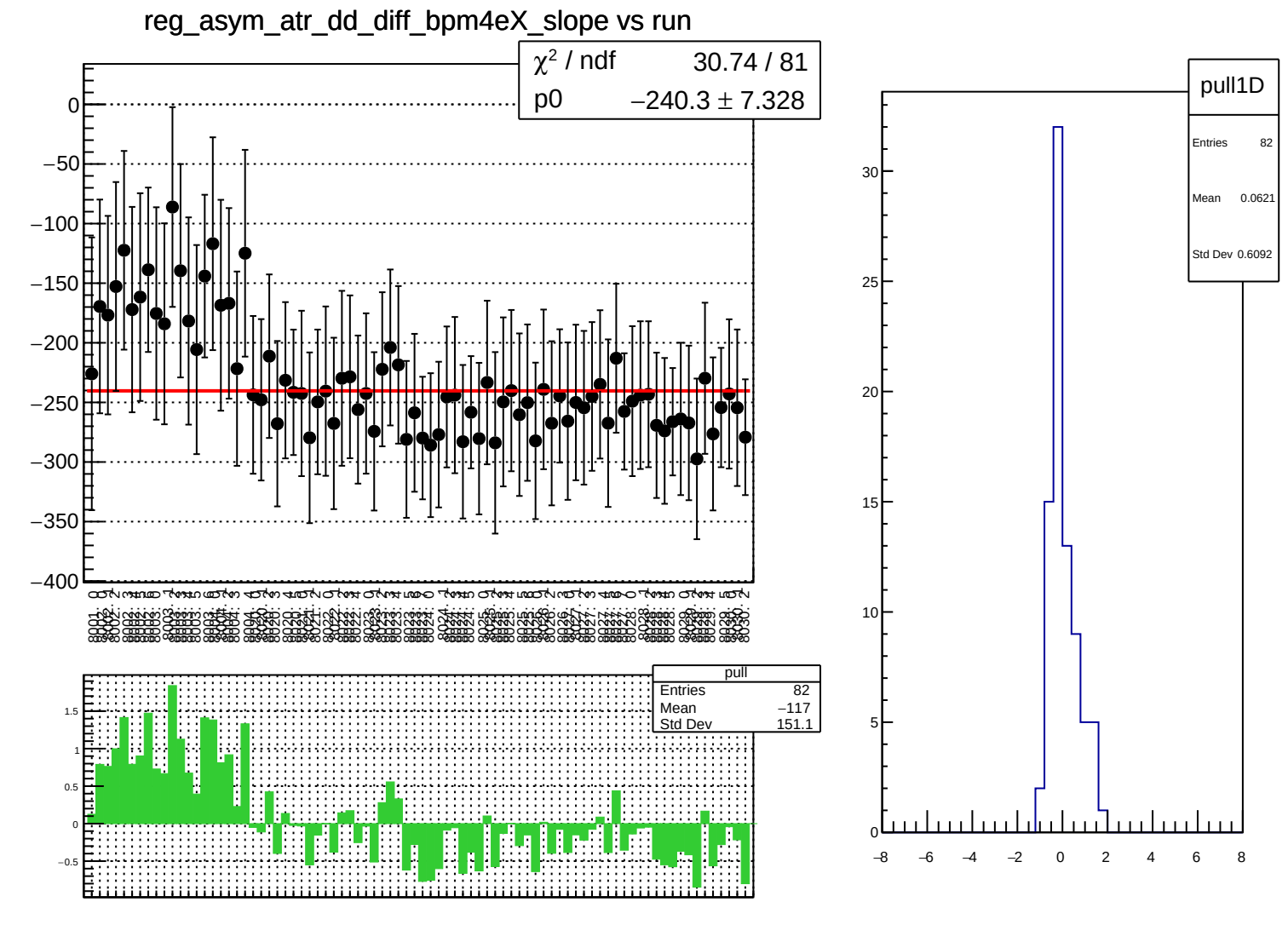

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 448 / 81
p0 −178 ± 0.6101
pull
Entries 82
Mean 92.95
Std Dev 53.59
pull1D
Entries 82
Mean −0.8375
Std Dev 1.97

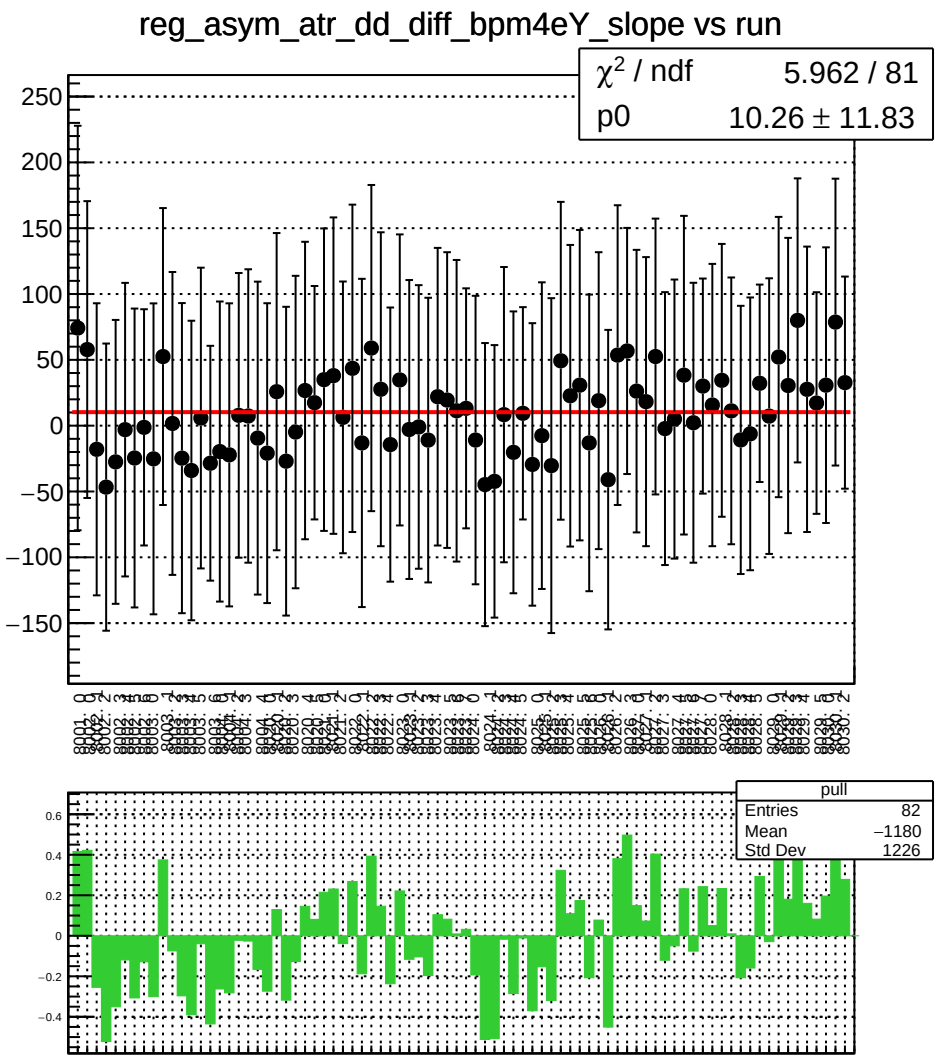

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 51.69 / 81
p0 205.5 ± 7.023
pull
Entries 82
Mean −68.72
Std Dev 101.2

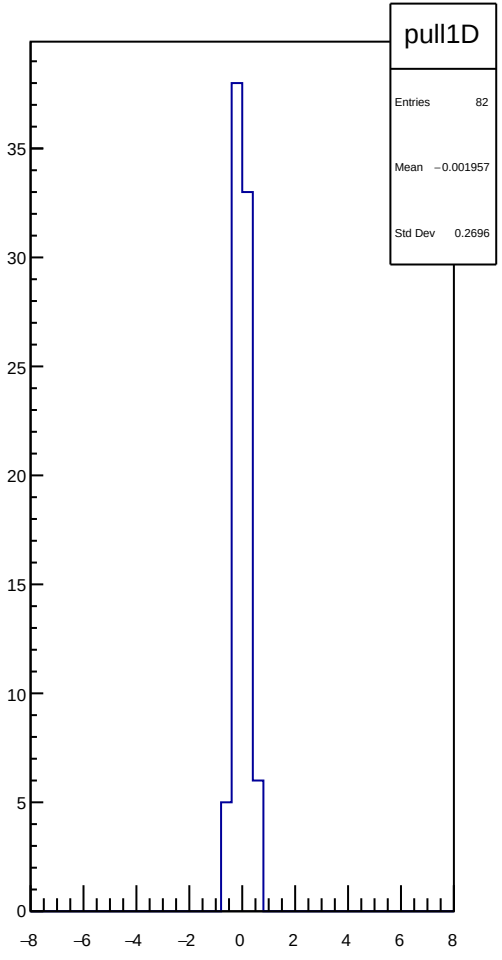

pull1D
Entries 82
Mean −0.1206
Std Dev 0.7848

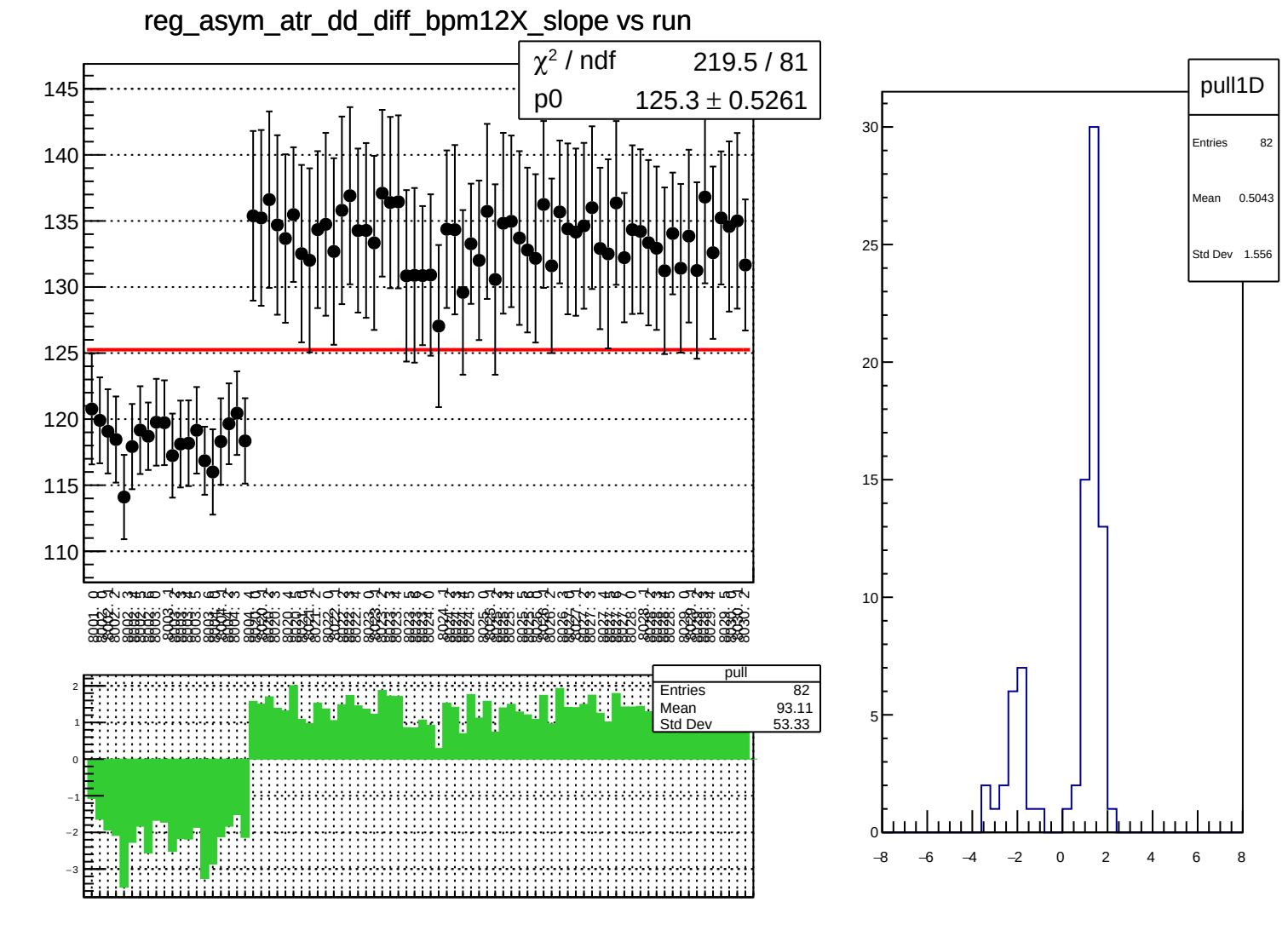

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.394 / 81
p0 −66.46 ± 11
pull
Entries 82
Mean 7975
Std Dev 7931

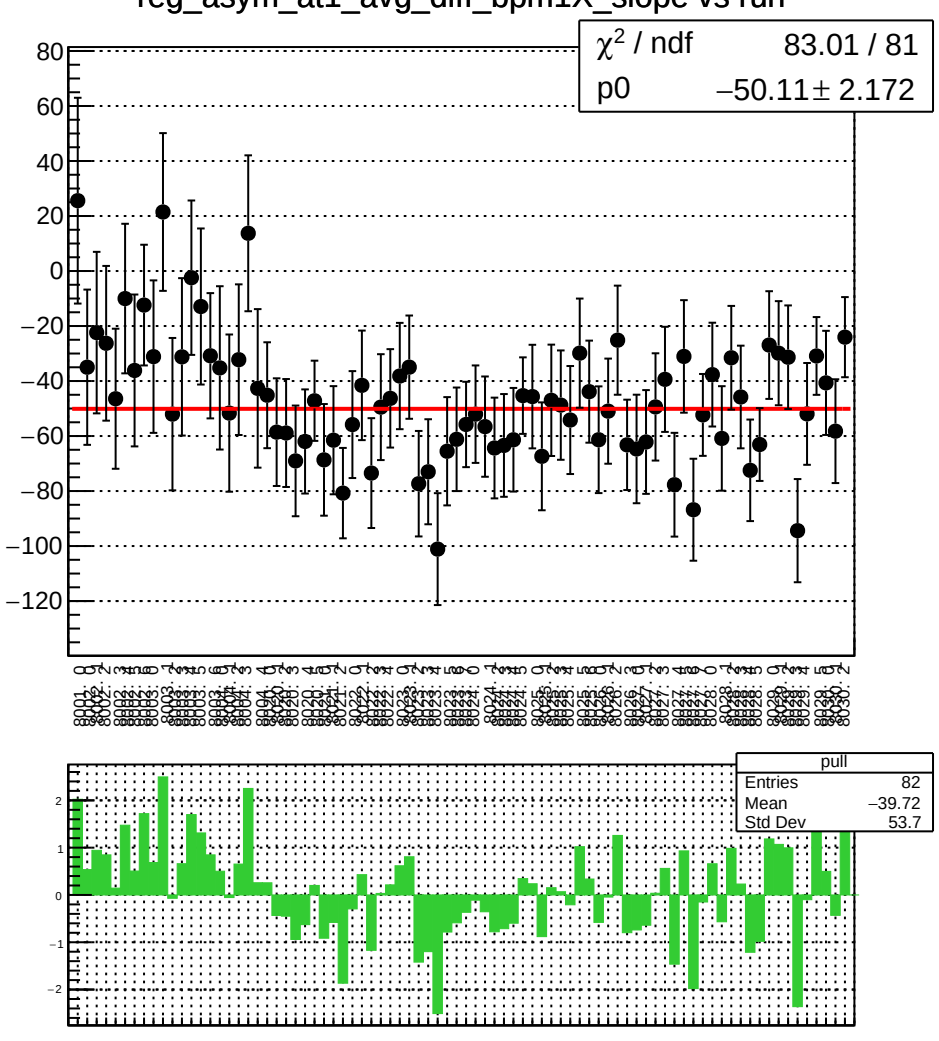

pull1D
Entries 82
Mean −0.0003514
Std Dev 0.2792

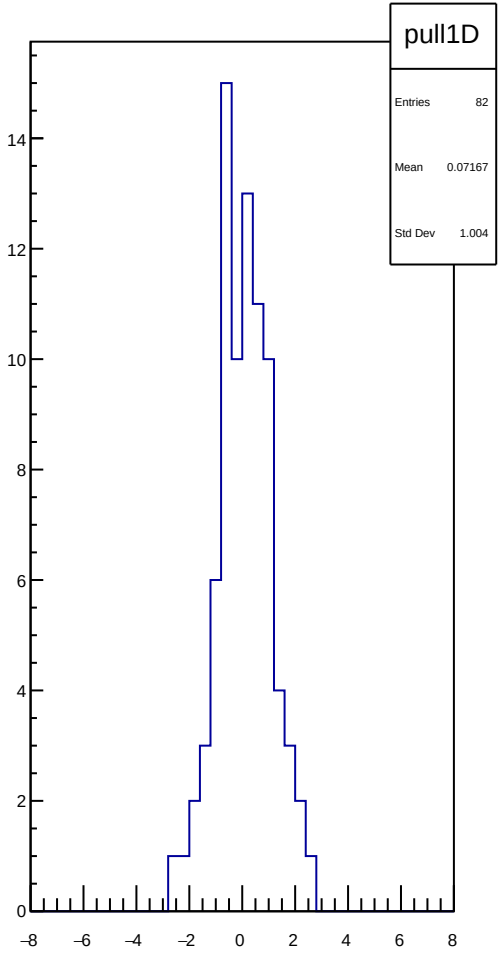

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.74 / 81
p0 −240.3 ± 7.328
pull
Entries 82
Mean −117
Std Dev 151.1
pull1D
Entries 82
Mean 0.0621
Std Dev 0.6092

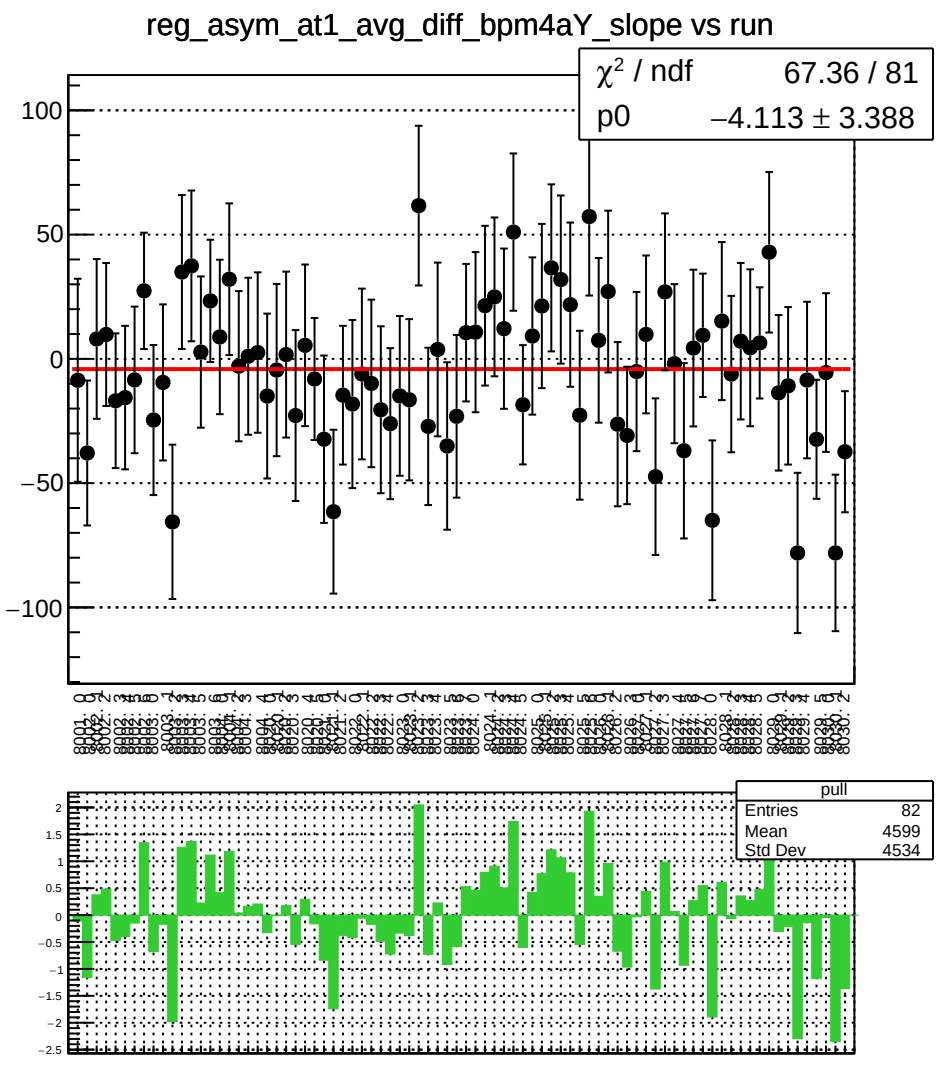

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.962 / 81
p0 10.26 ± 11.83
pull
Entries 82
Mean −1180
Std Dev 1226

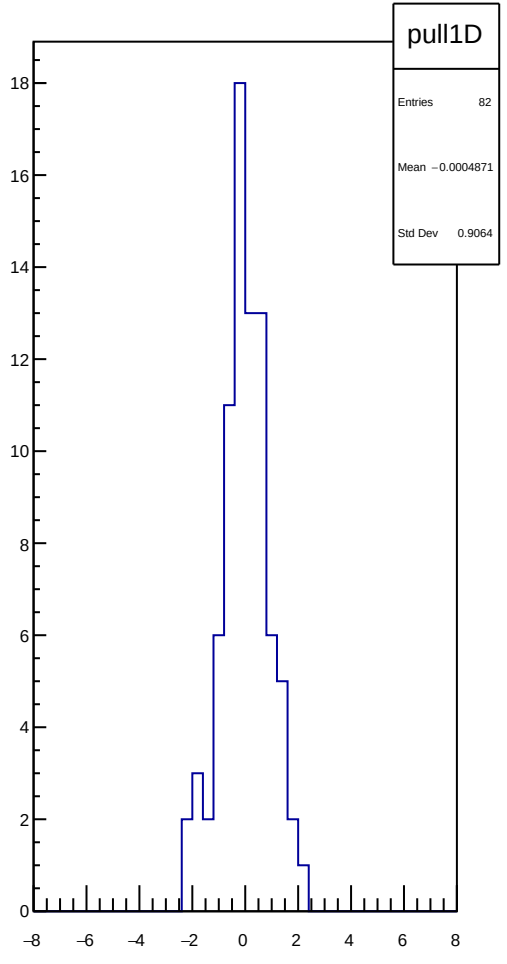

pull1D
Entries 82
Mean −0.001957
Std Dev 0.2696

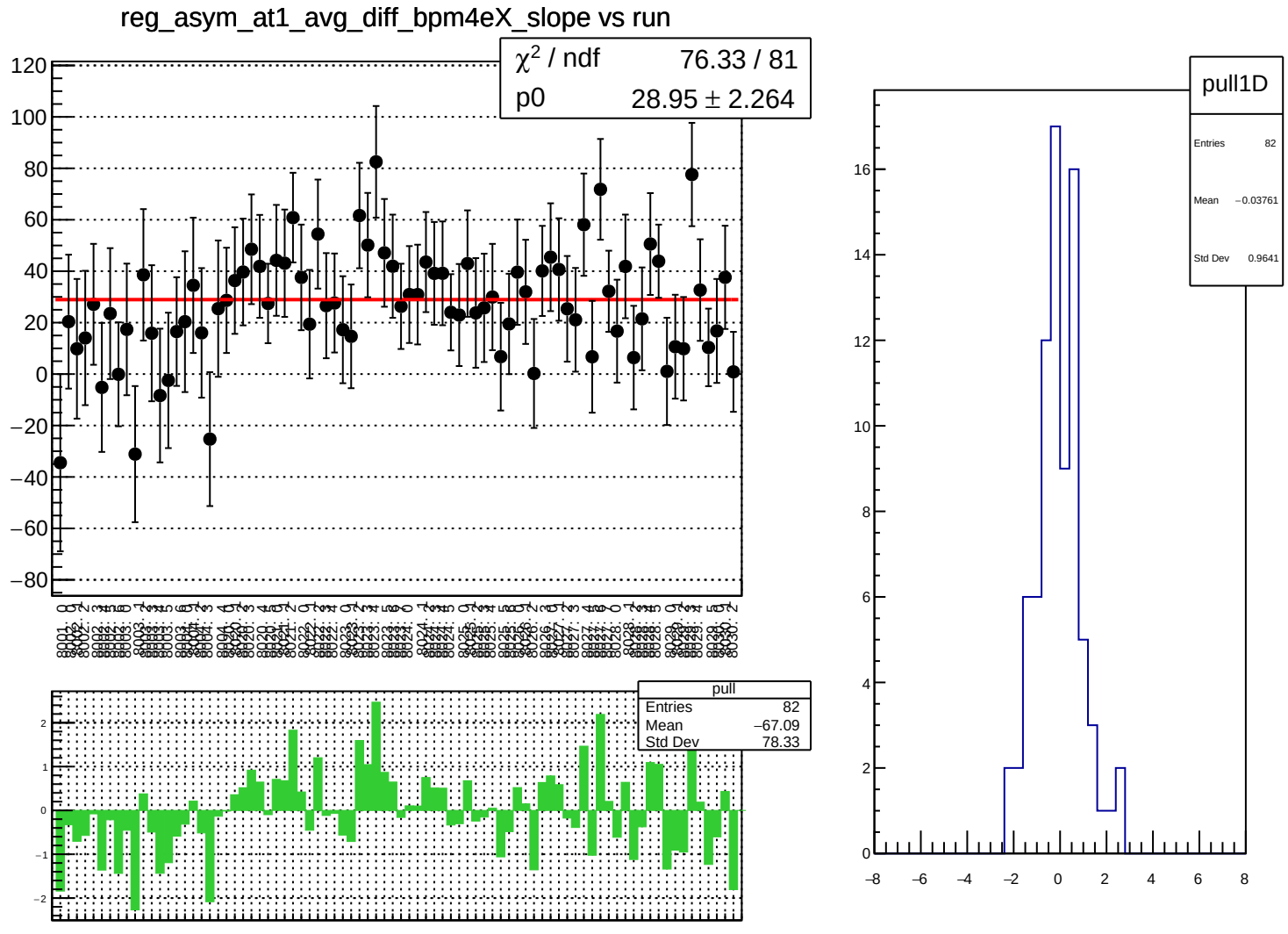

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 219.5 / 81
p0 125.3 ± 0.5261
pull
Entries 82
Mean 93.11
Std Dev 53.33
pull1D
Entries 82
Mean 0.5043
Std Dev 1.556

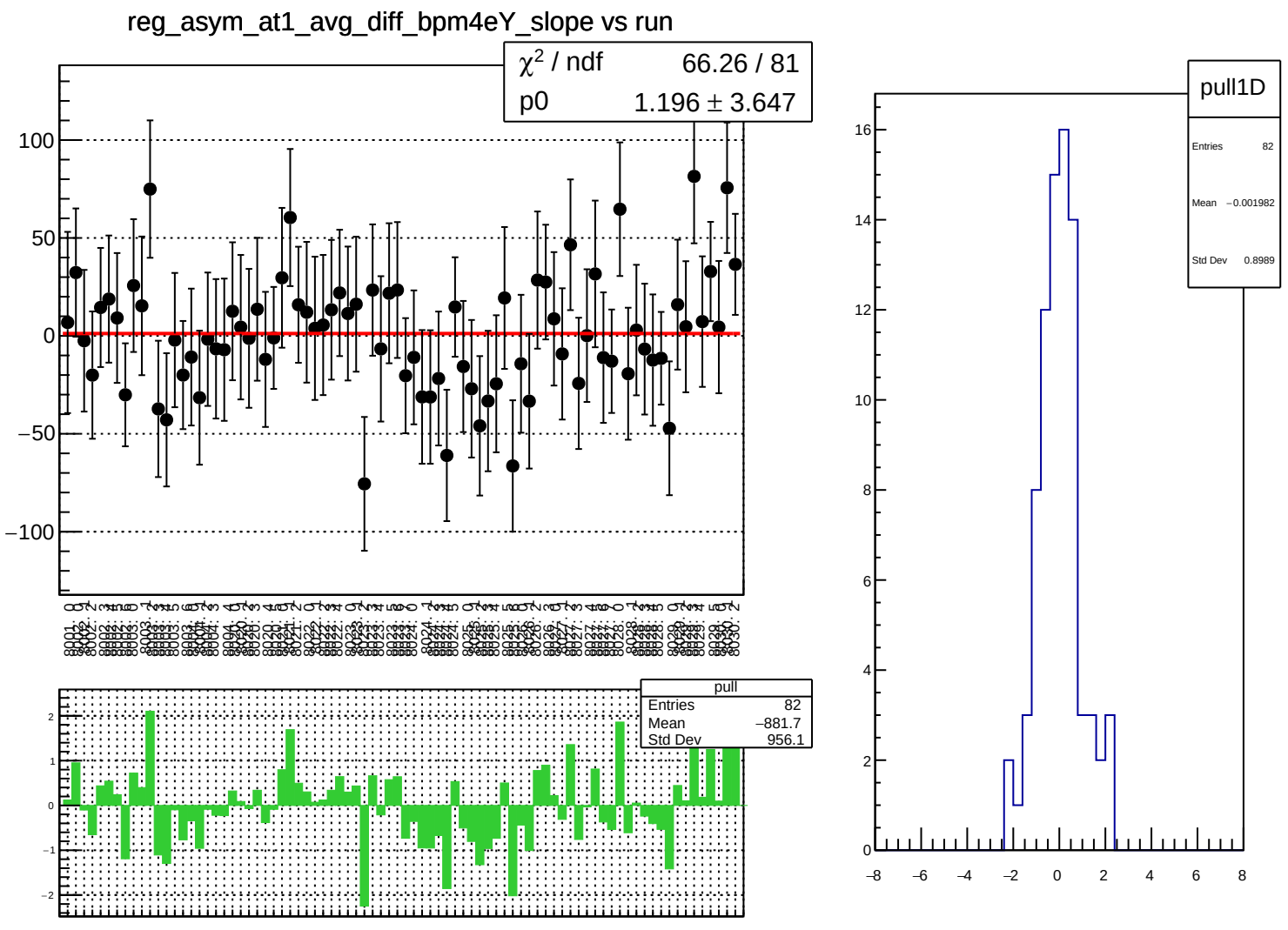

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 83.01 / 81
p0 −50.11± 2.172
pull
Entries 82
Mean −39.72
Std Dev 53.7

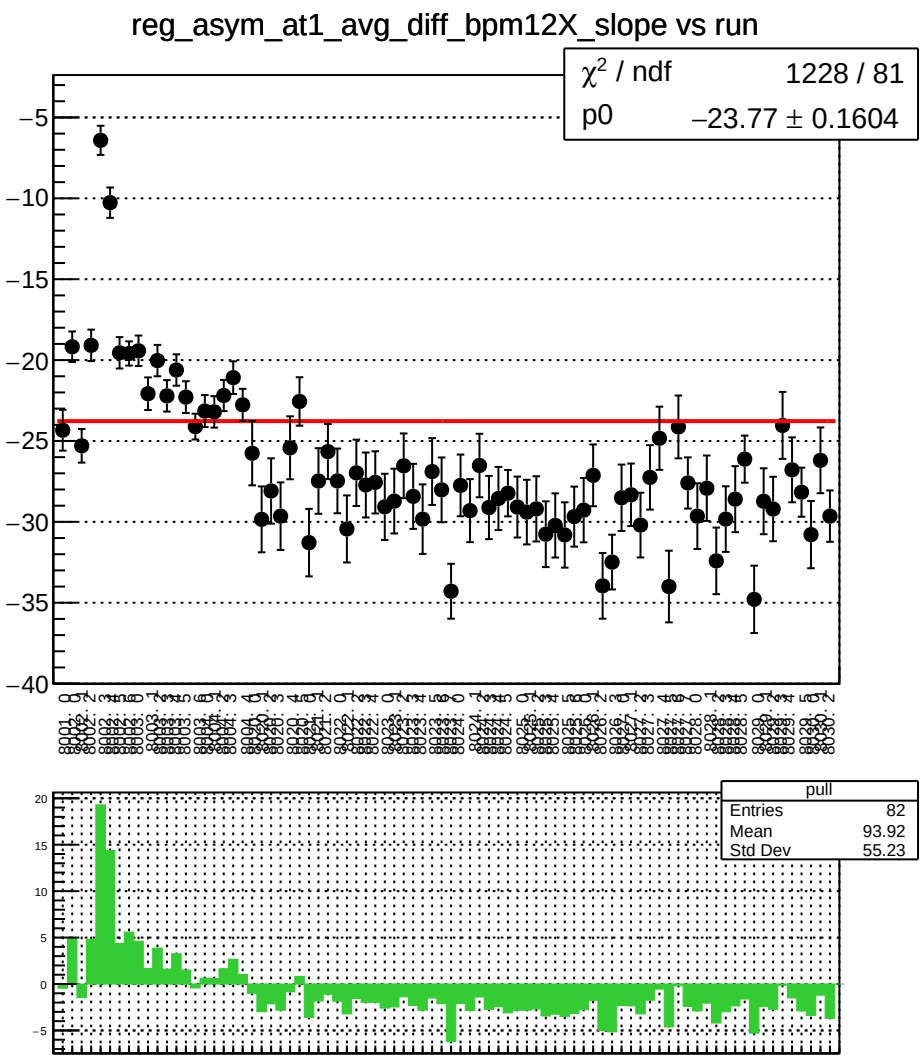

pull1D
Entries 82
Mean 0.07167
Std Dev 1.004

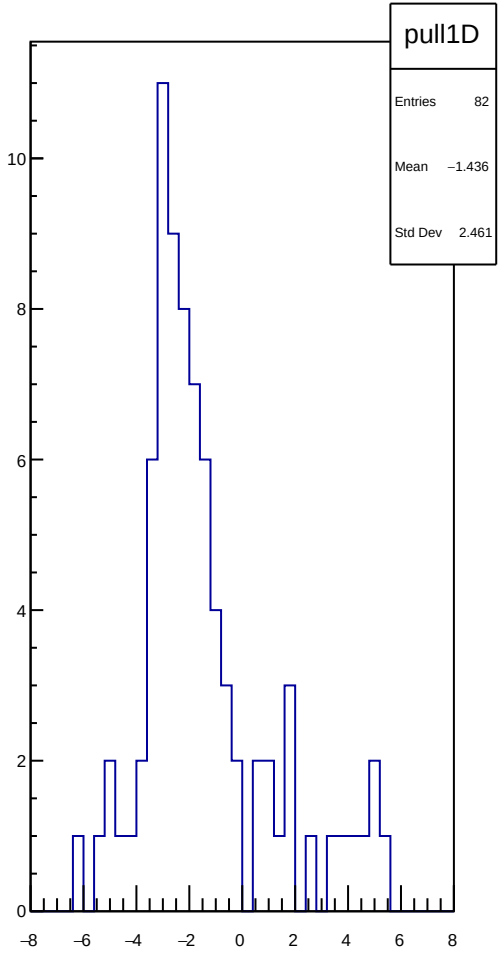

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.36 / 81
p0 −4.113 ± 3.388
100
50
0
−50
−100
pull
Entries 82
Mean 4599
Std Dev 4534
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

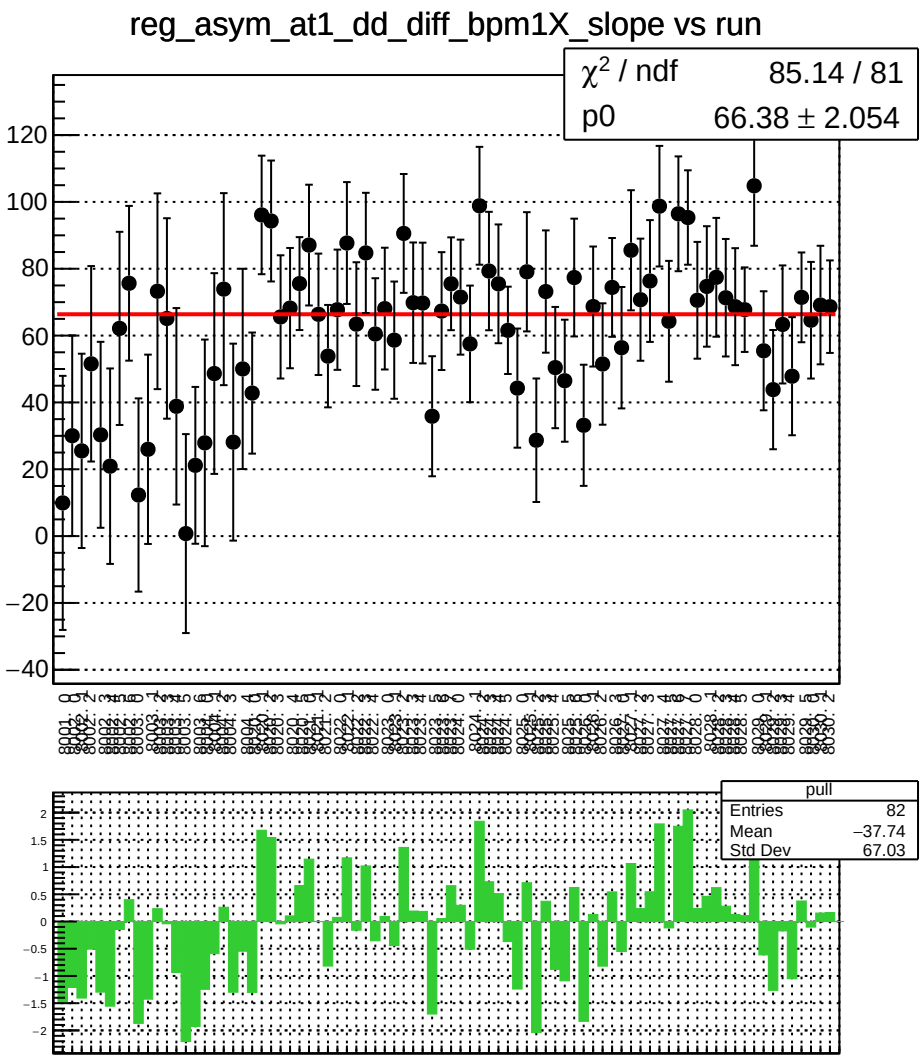

pull1D
Entries 82
Mean −0.0004871
Std Dev 0.9064
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

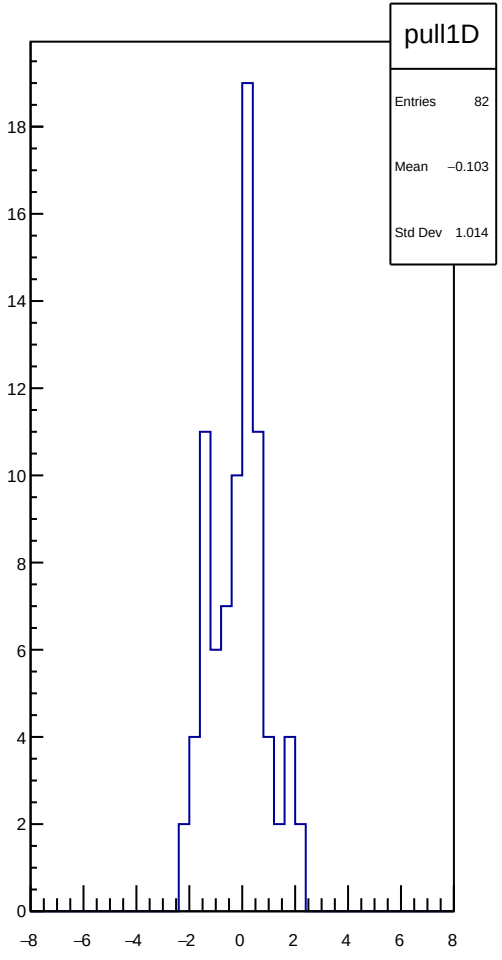

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.33 / 81
p0 28.95 ± 2.264
pull
Entries 82
Mean −67.09
Std Dev 78.33
pull1D
Entries 82
Mean −0.03761
Std Dev 0.9641

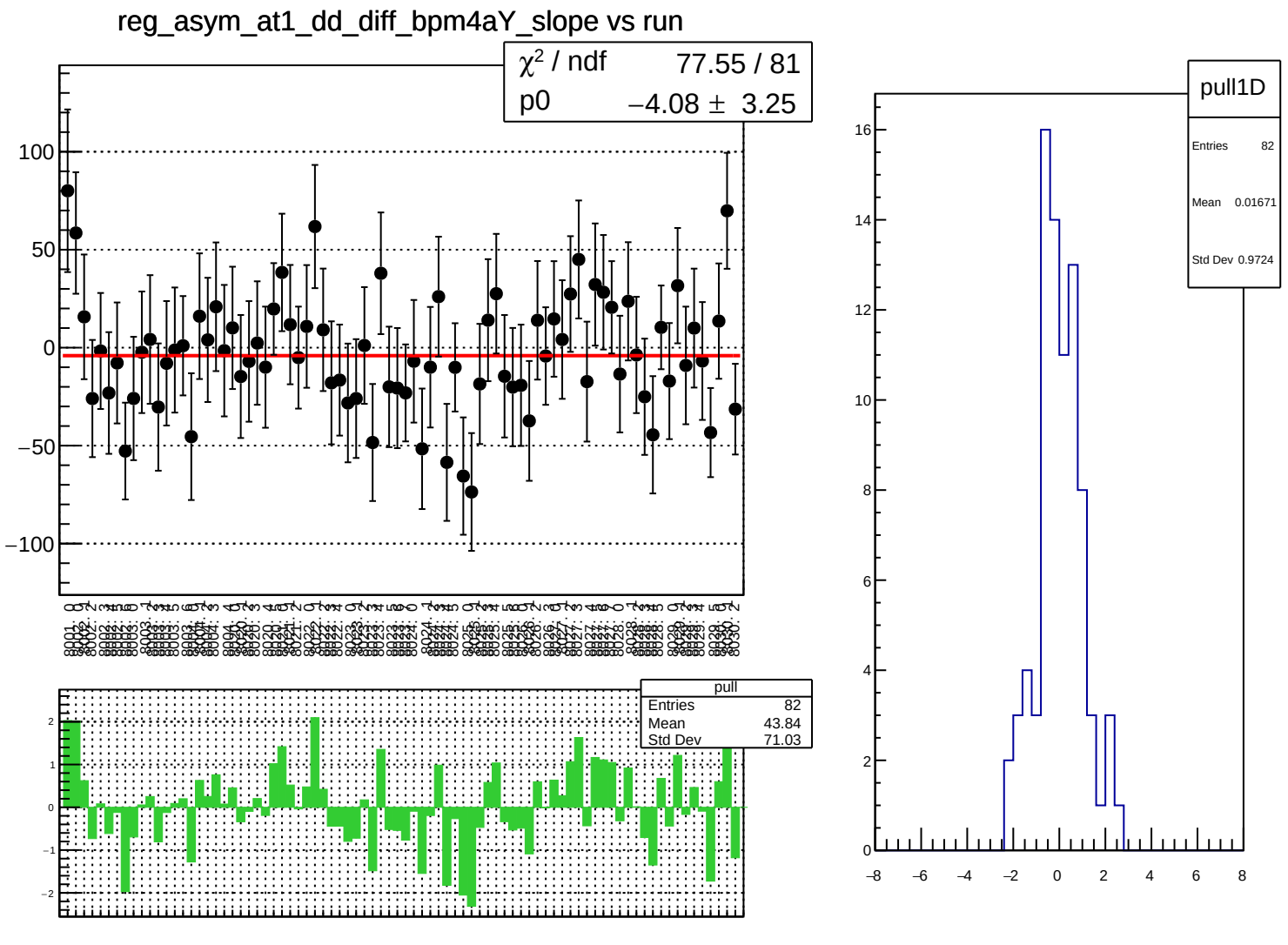

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.26 / 81
p0 1.196 ± 3.647
pull
Entries 82
Mean −881.7
Std Dev 956.1
pull1D
Entries 82
Mean −0.001982
Std Dev 0.8989

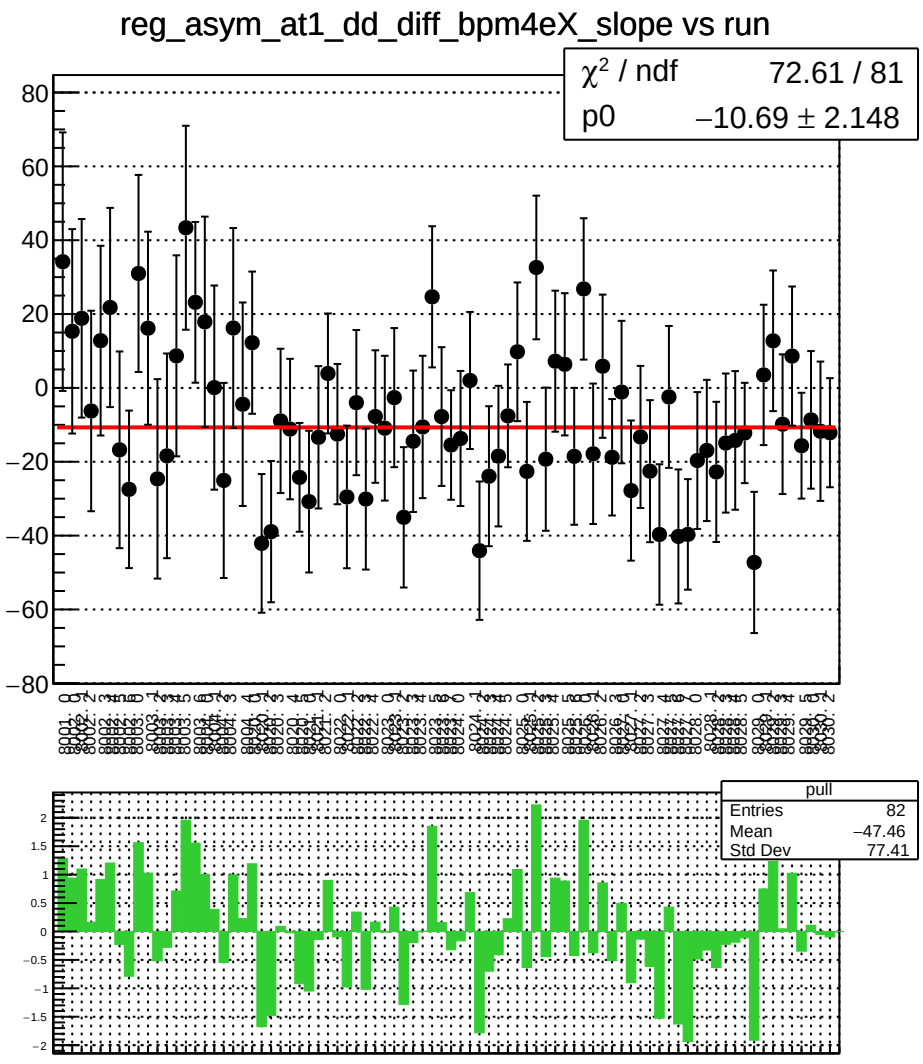

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 1228 / 81
p0 −23.77 ± 0.1604
pull
Entries 82
Mean 93.92
Std Dev 55.23

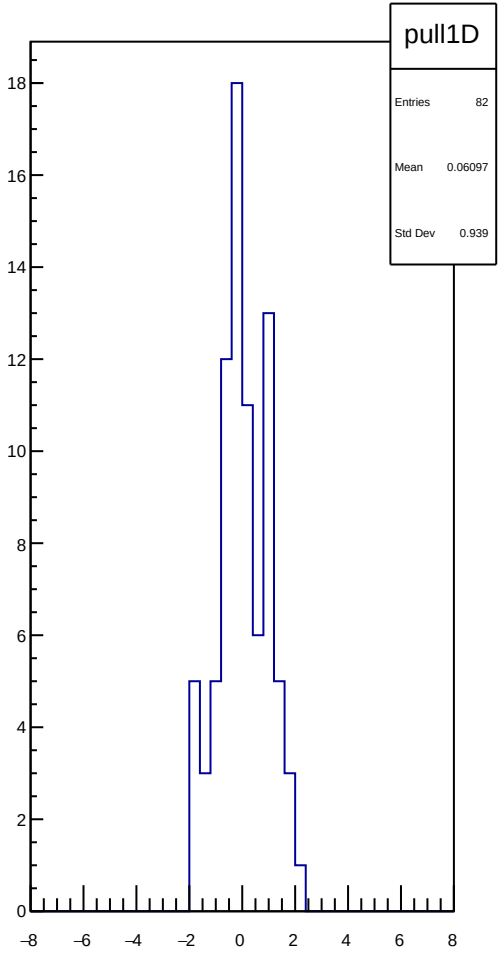

pull1D
Entries 82
Mean −1.436
Std Dev 2.461

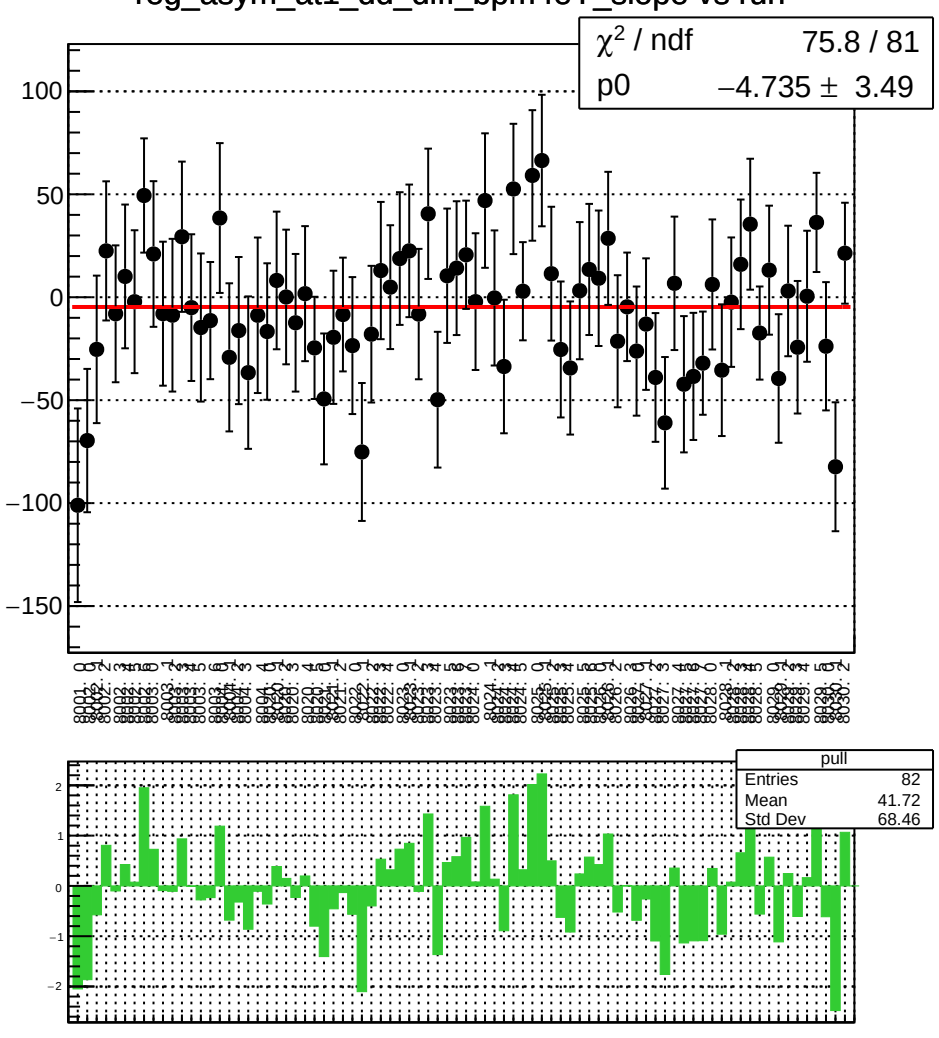

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 85.14 / 81
p0 66.38 ± 2.054
pull
Entries 82
Mean −37.74
Std Dev 67.03

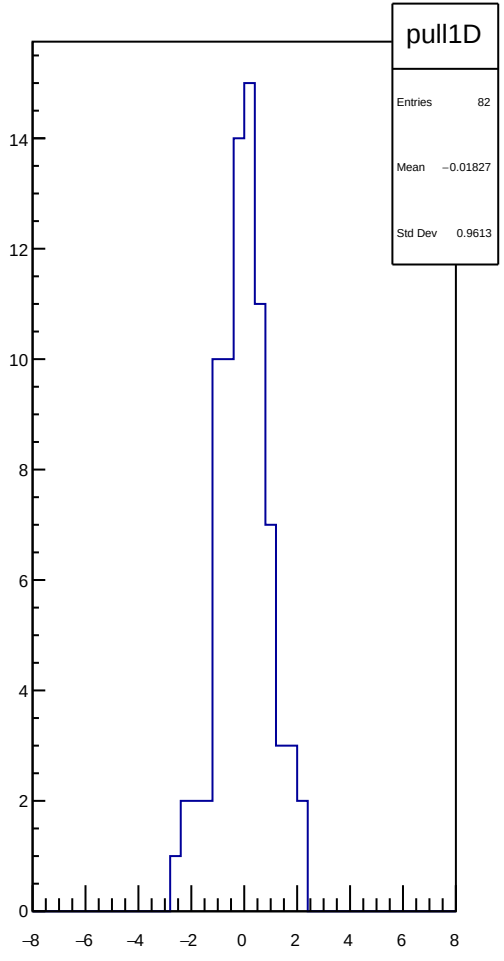

pull1D
Entries 82
Mean −0.103
Std Dev 1.014

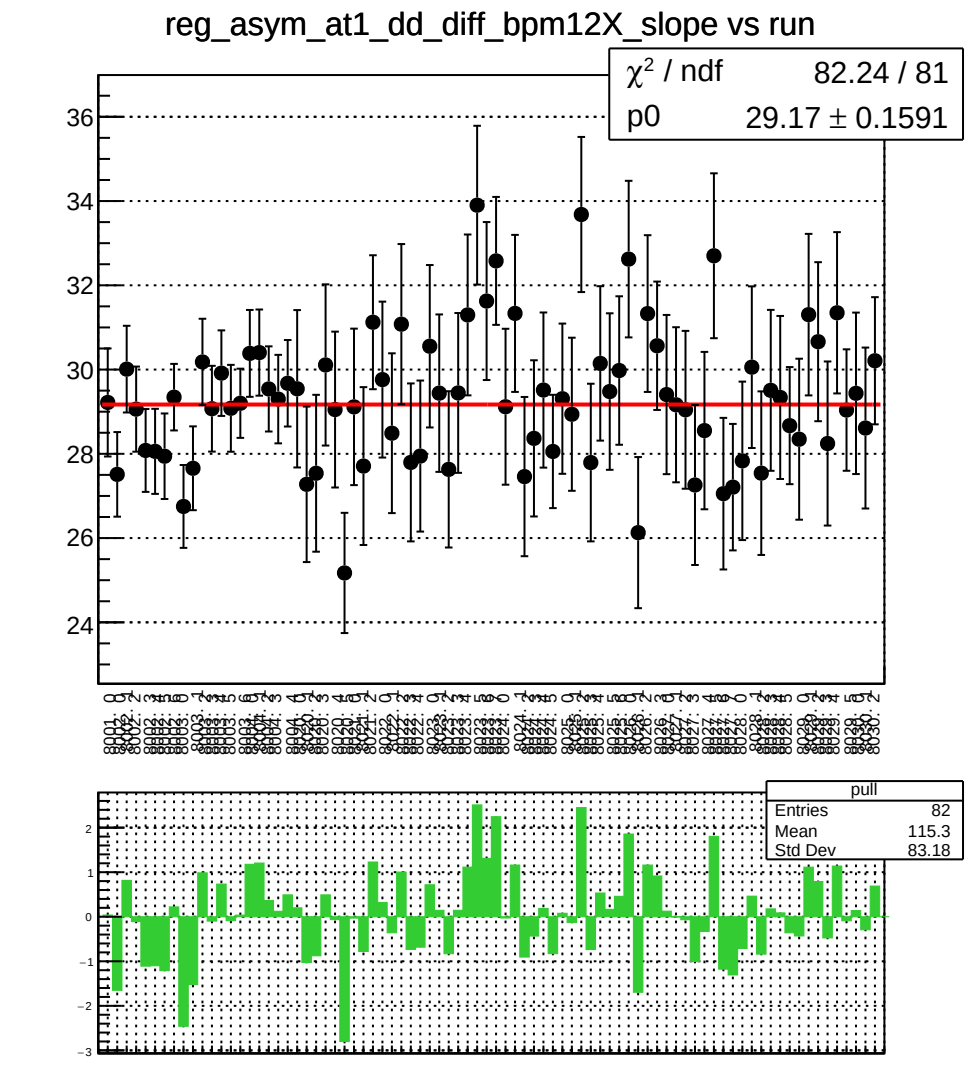

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.55 / 81
p0 −4.08 ± 3.25
pull
Entries 82
Mean 43.84
Std Dev 71.03
pull1D
Entries 82
Mean 0.01671
Std Dev 0.9724

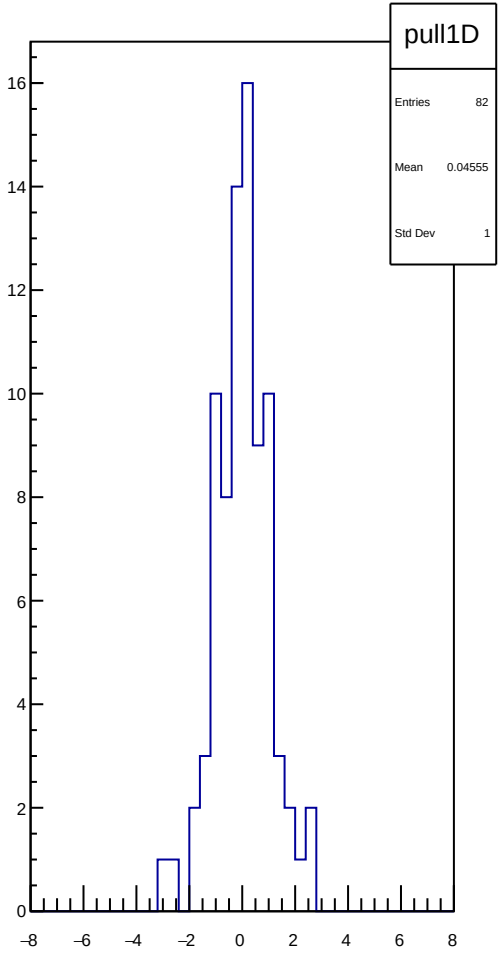

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.61 / 81
p0 −10.69 ± 2.148
pull
Entries 82
Mean −47.46
Std Dev 77.41

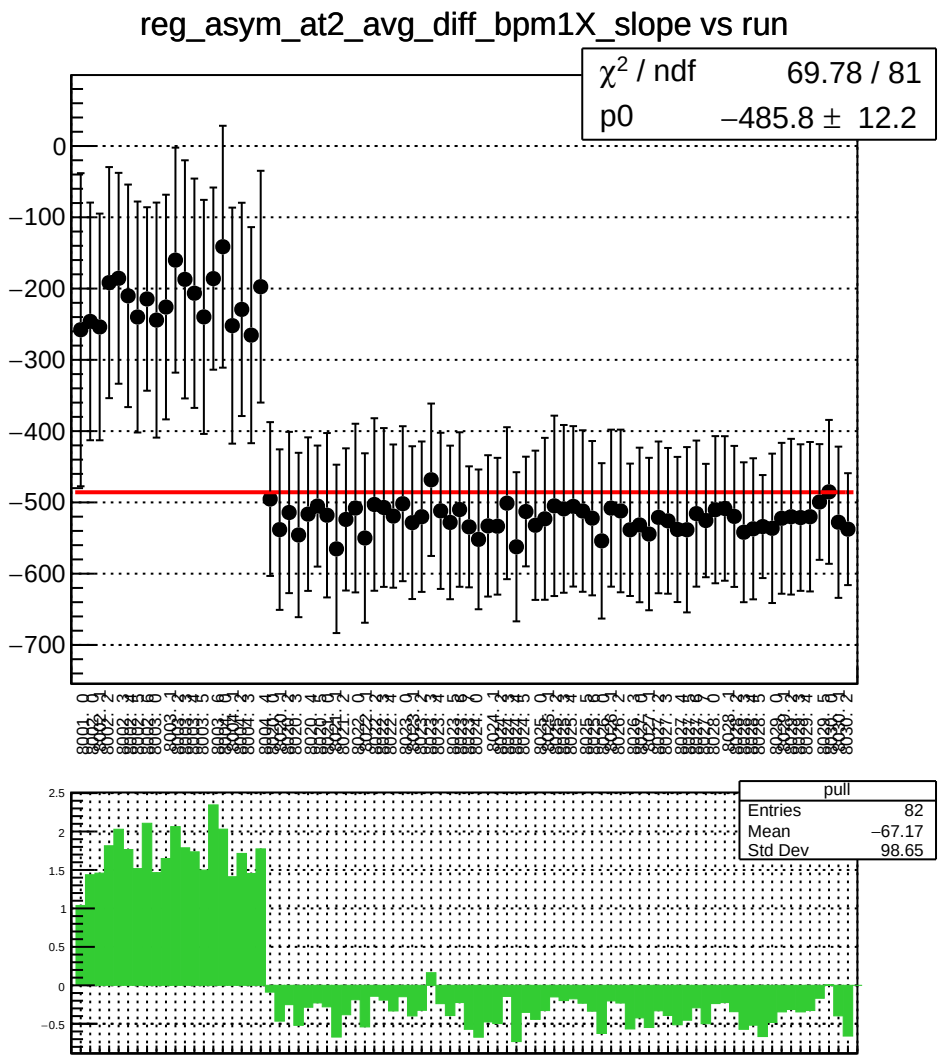

pull1D
Entries 82
Mean 0.06097
Std Dev 0.939

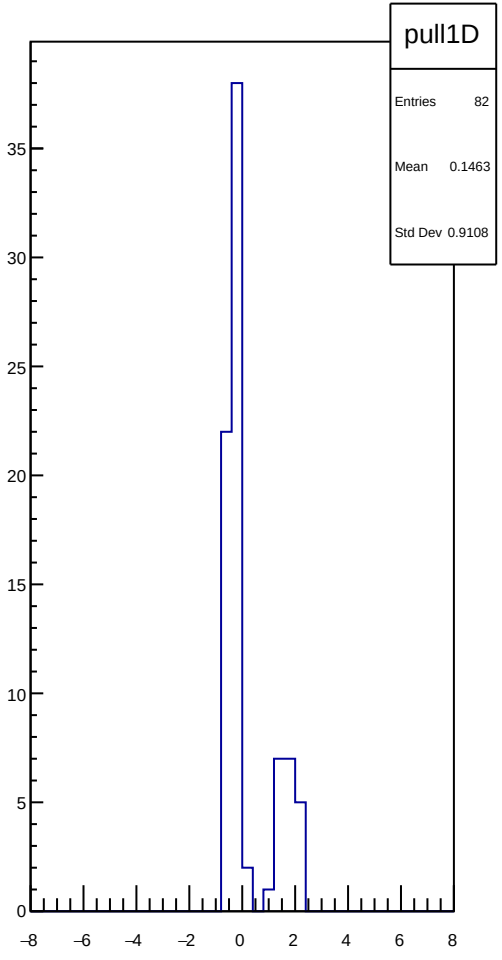

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.8 / 81
p0 −4.735 ± 3.49
100
50
0
−50
−100
−150
pull
Entries 82
Mean 41.72
Std Dev 68.46
2
1
0
−1
−2

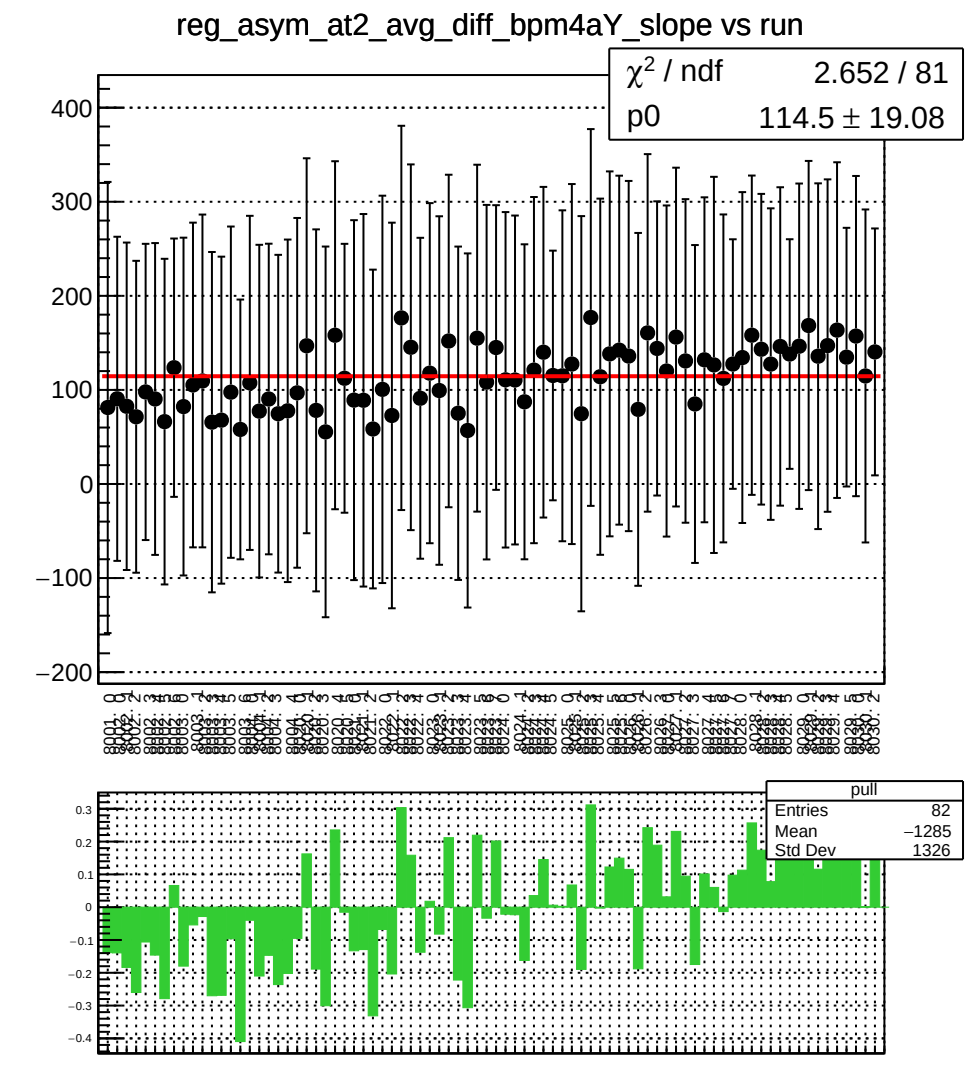

pull1D
Entries 82
Mean −0.01827
Std Dev 0.9613
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

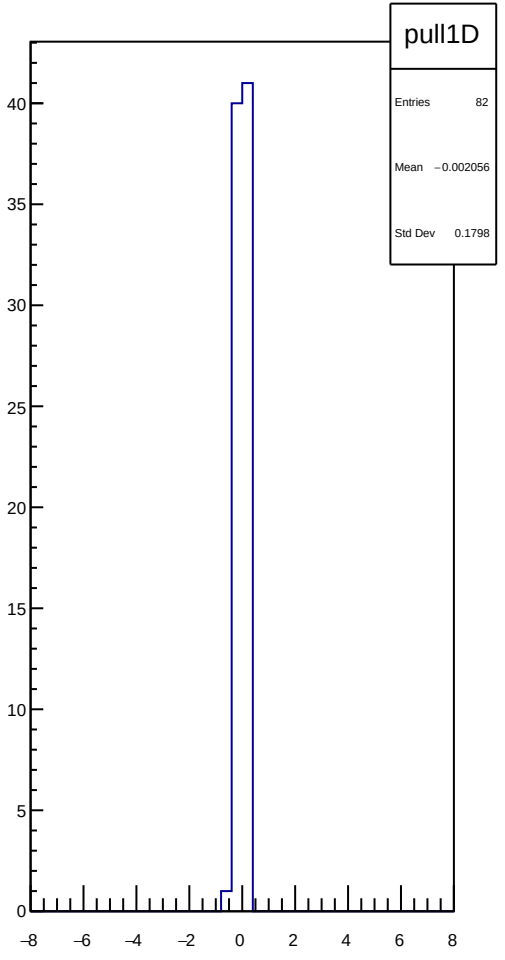

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 82.24 / 81
p0 29.17 ± 0.1591
pull
Entries 82
Mean 115.3
Std Dev 83.18

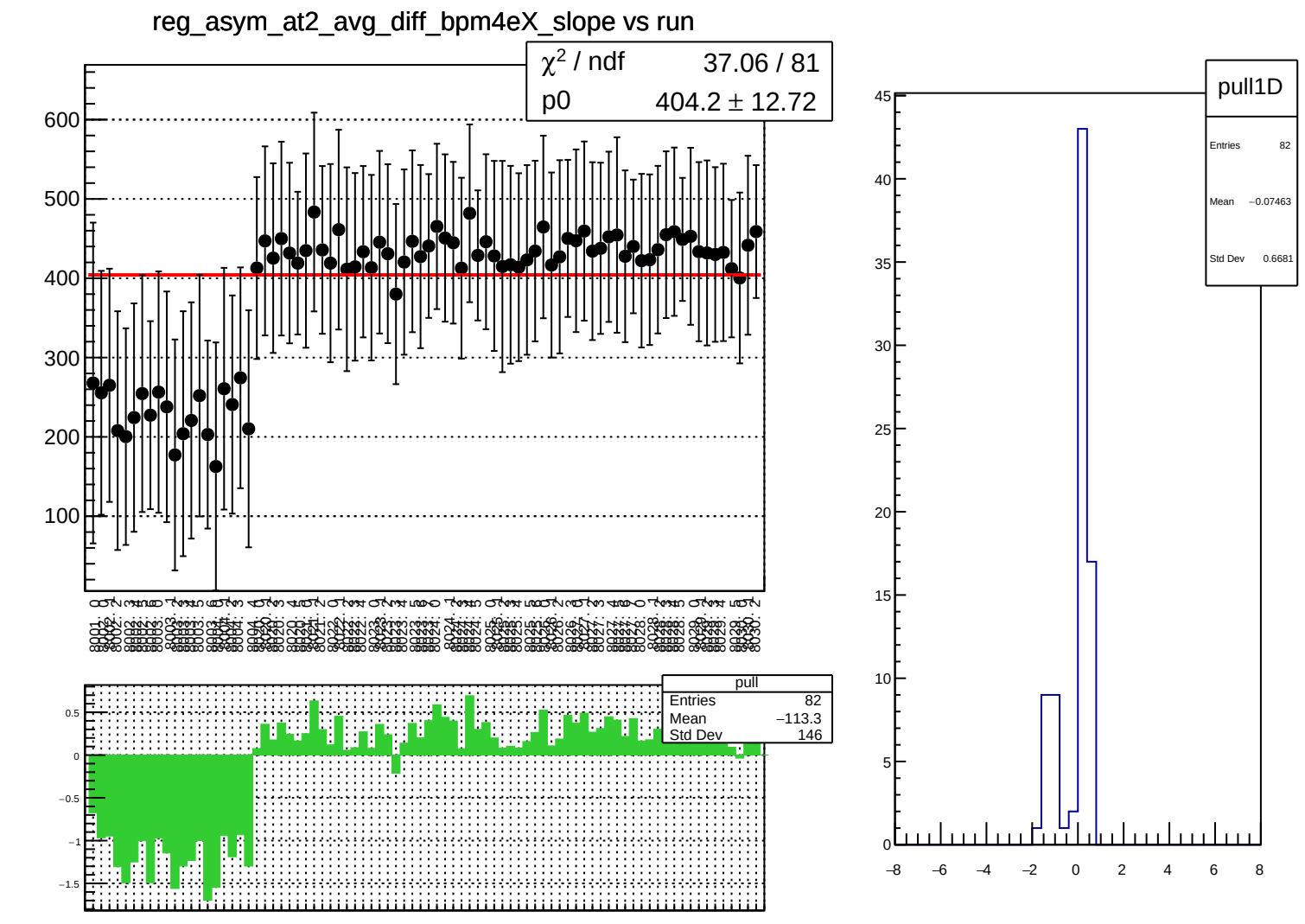

pull1D
Entries 82
Mean 0.04555
Std Dev 1

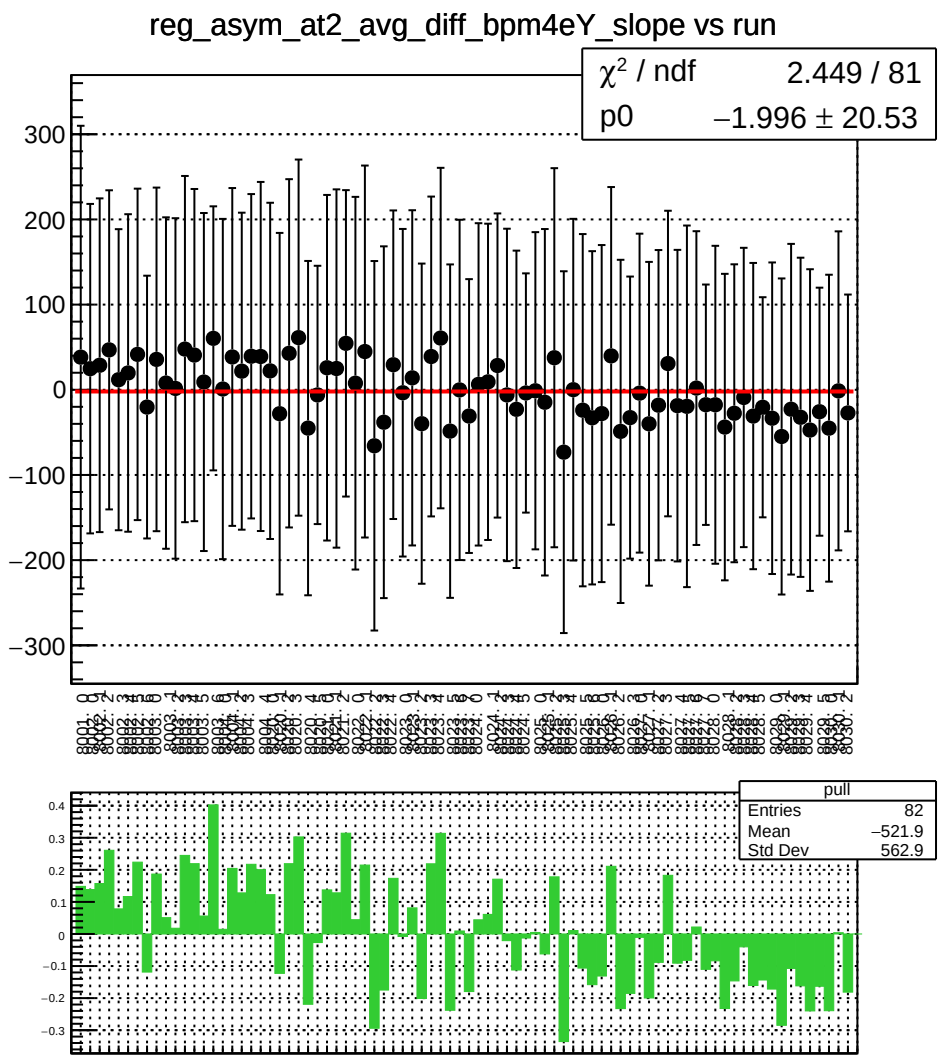

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 69.78 / 81
p0 −485.8 ± 12.2
pull
Entries 82
Mean −67.17
Std Dev 98.65

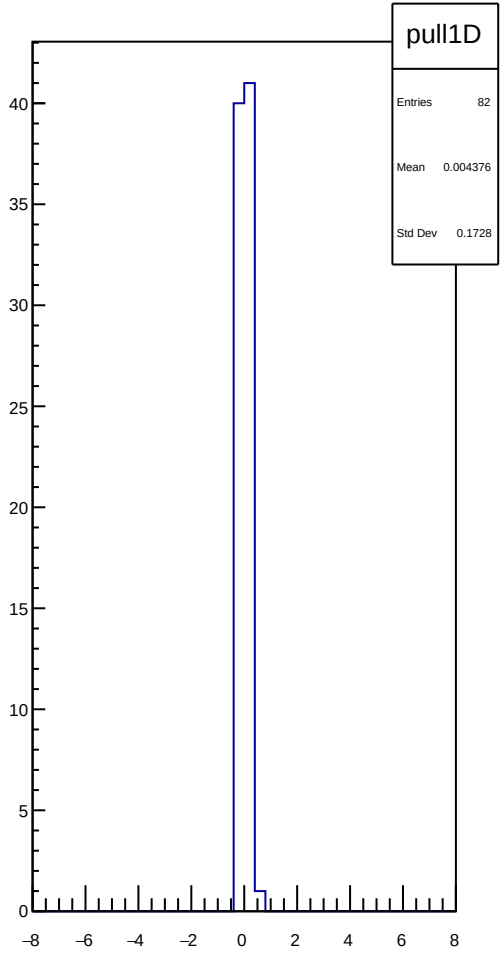

pull1D
Entries 82
Mean 0.1463
Std Dev 0.9108

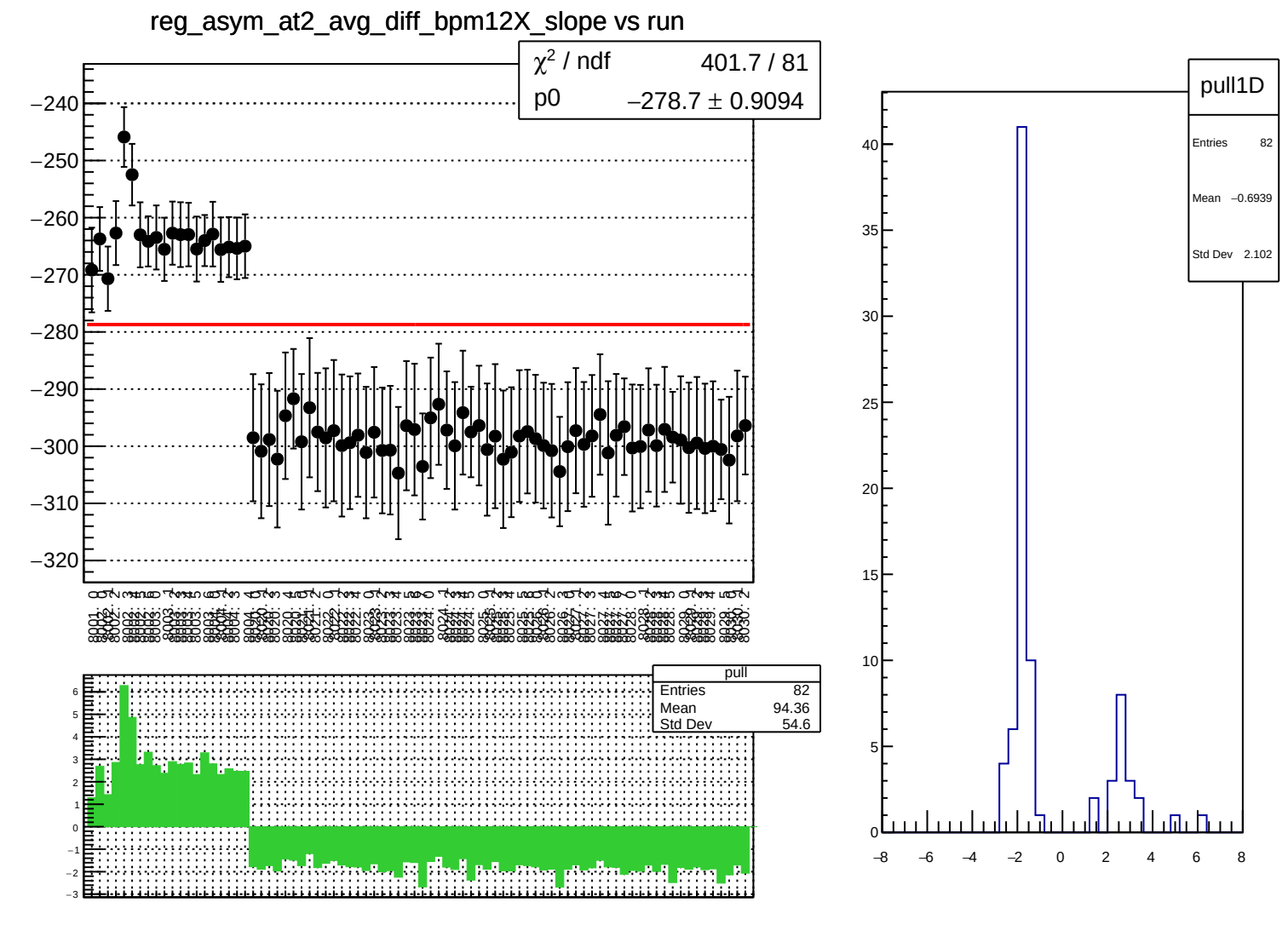

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.652 / 81
p0 114.5 ± 19.08
pull
Entries 82
Mean −1285
Std Dev 1326

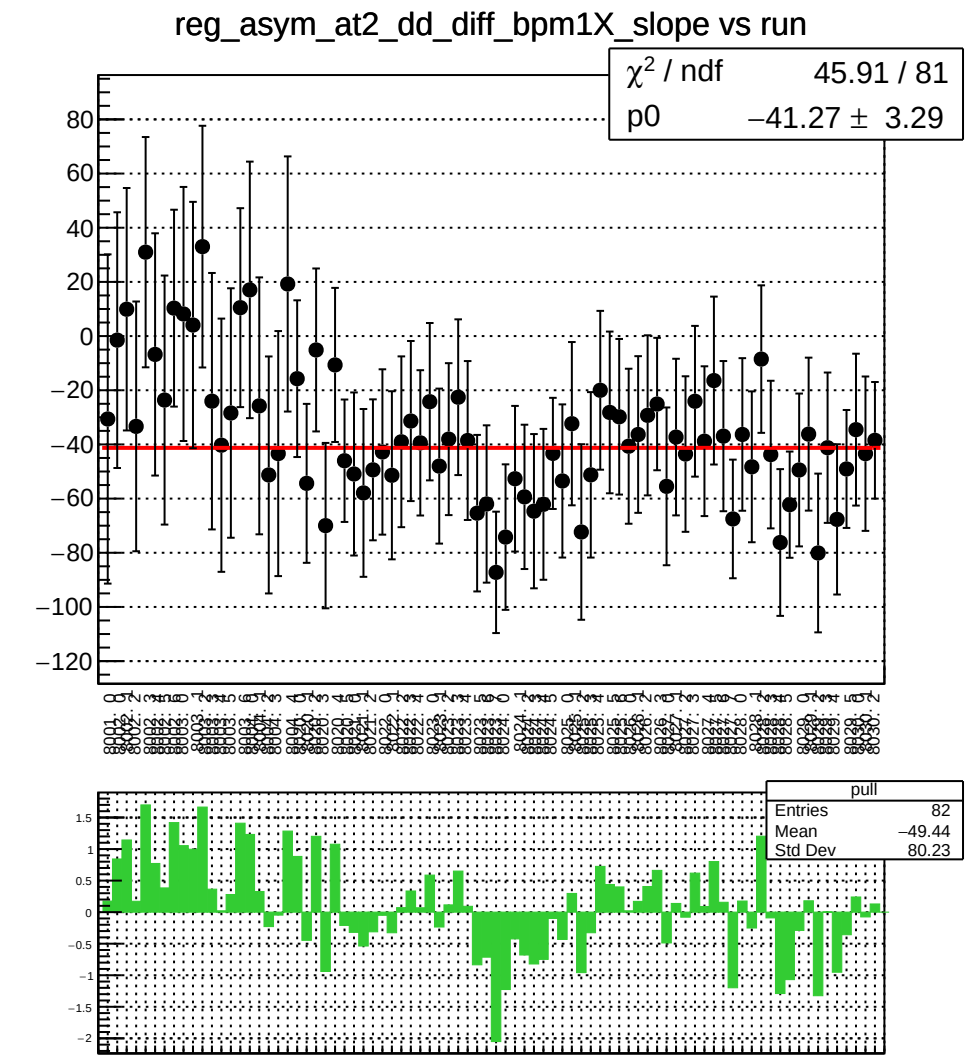

pull1D
Entries 82
Mean −0.002056
Std Dev 0.1798

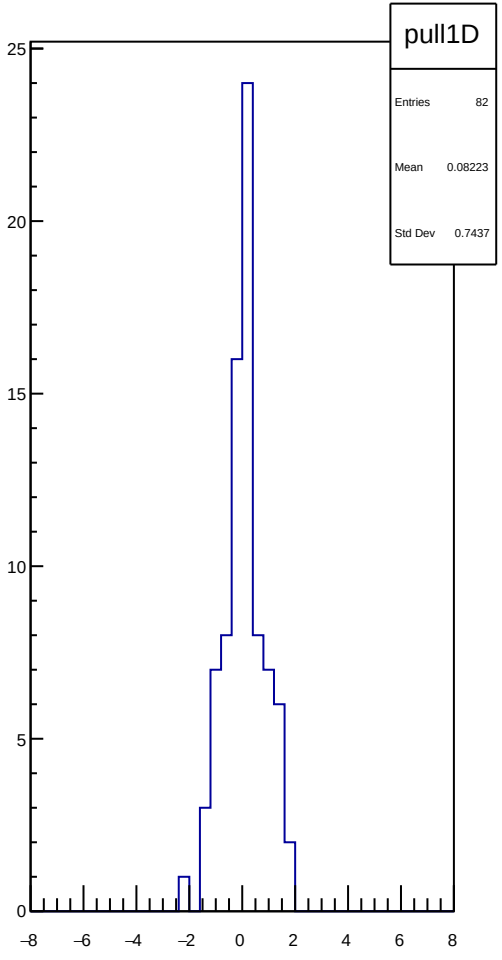

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.06 / 81
p0 404.2 ± 12.72
600
500
400
300
200
100
pull
Entries 82
Mean −113.3
Std Dev 146
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.07463
Std Dev 0.6681
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

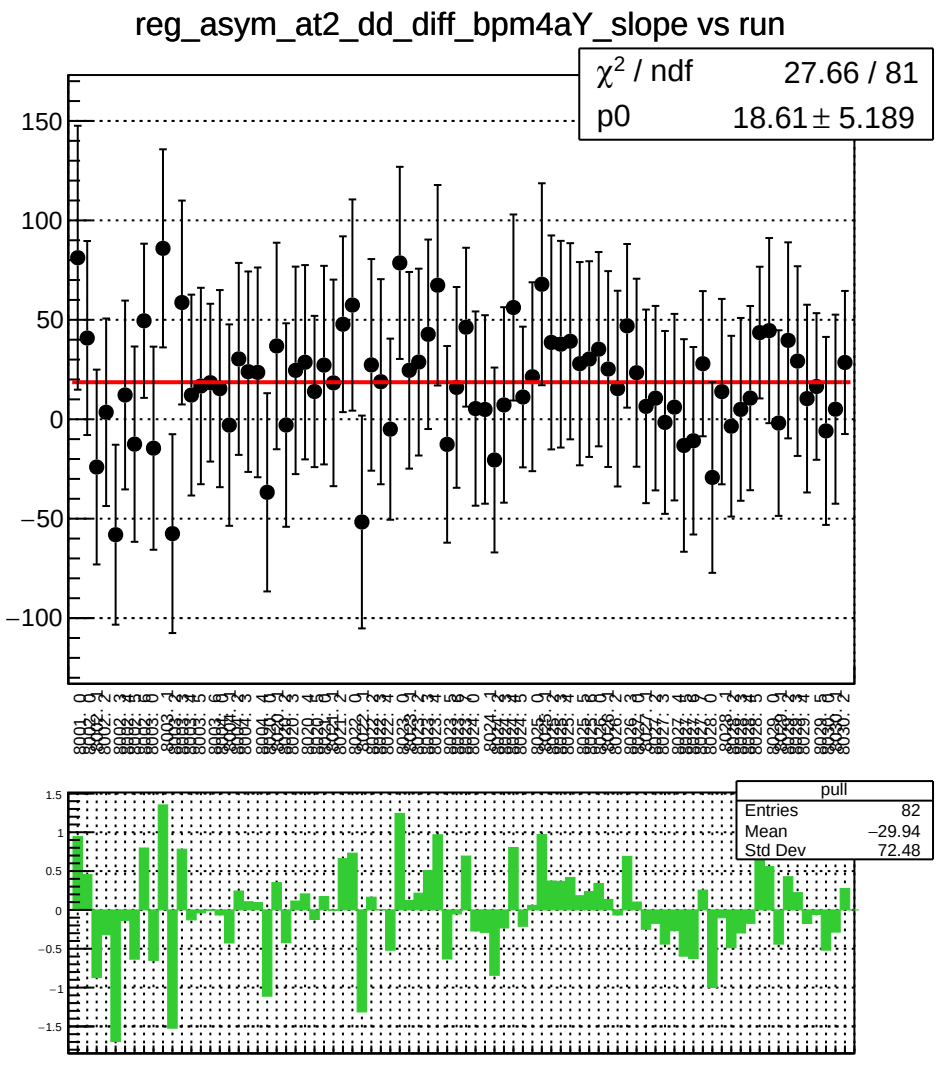

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.449 / 81
p0 −1.996 ± 20.53
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean −521.9
Std Dev 562.9
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

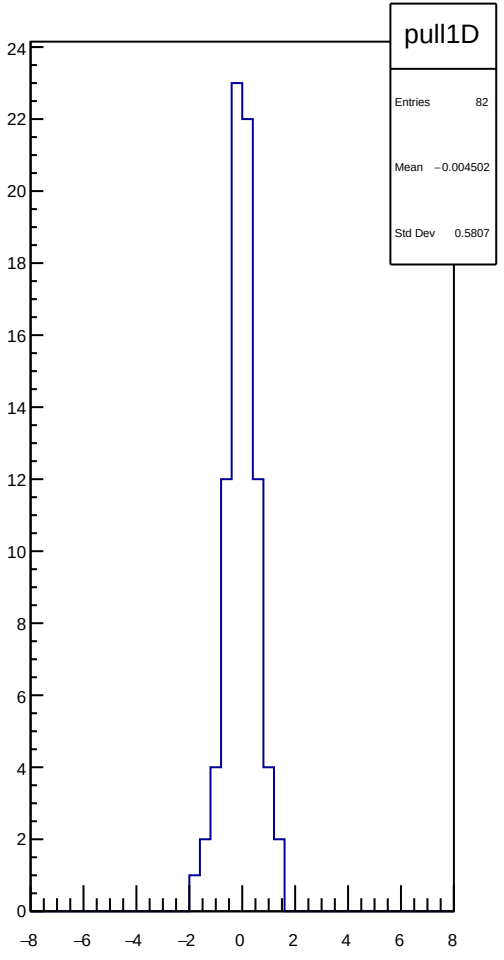

pull1D
Entries 82
Mean 0.004376
Std Dev 0.1728
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

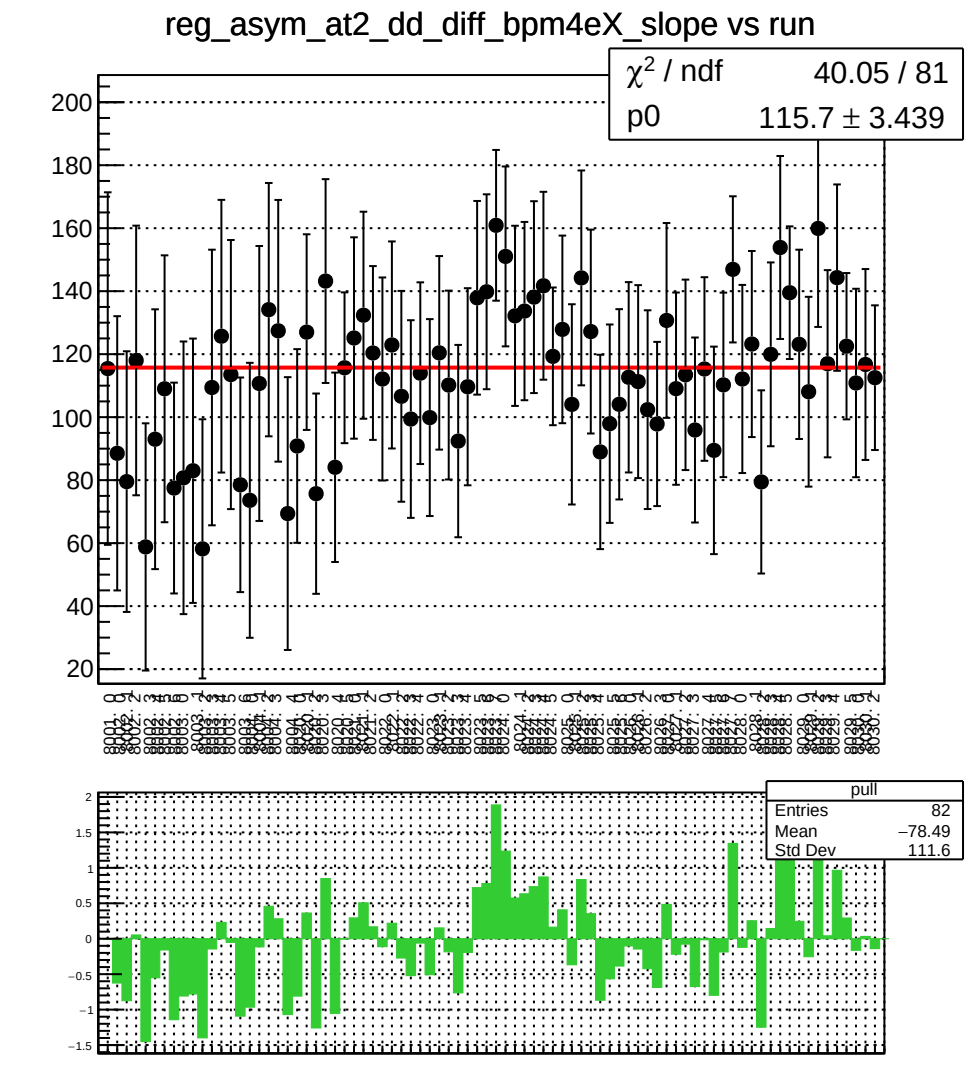

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 401.7 / 81
p0 −278.7 ± 0.9094
pull
Entries 82
Mean 94.36
Std Dev 54.6
pull1D
Entries 82
Mean −0.6939
Std Dev 2.102

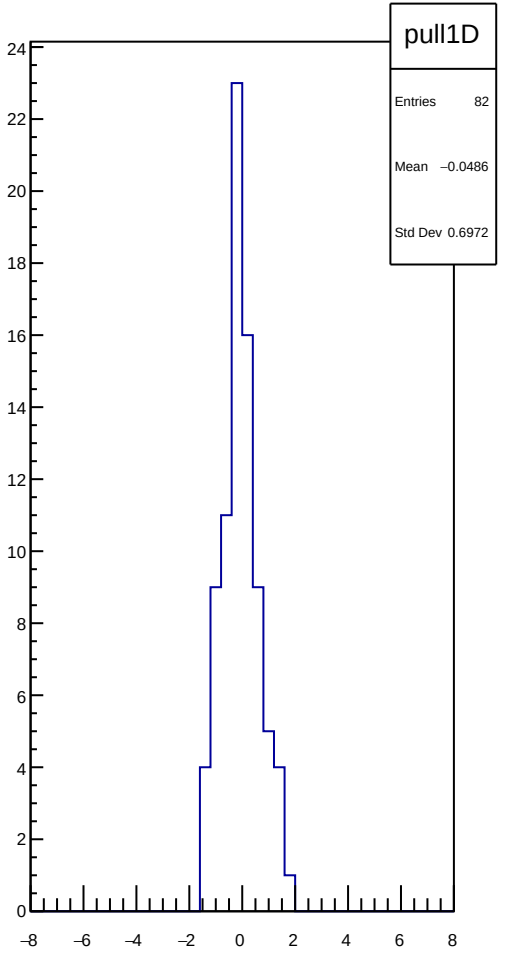

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 45.91 / 81
p0 −41.27 ± 3.29
pull
Entries 82
Mean −49.44
Std Dev 80.23

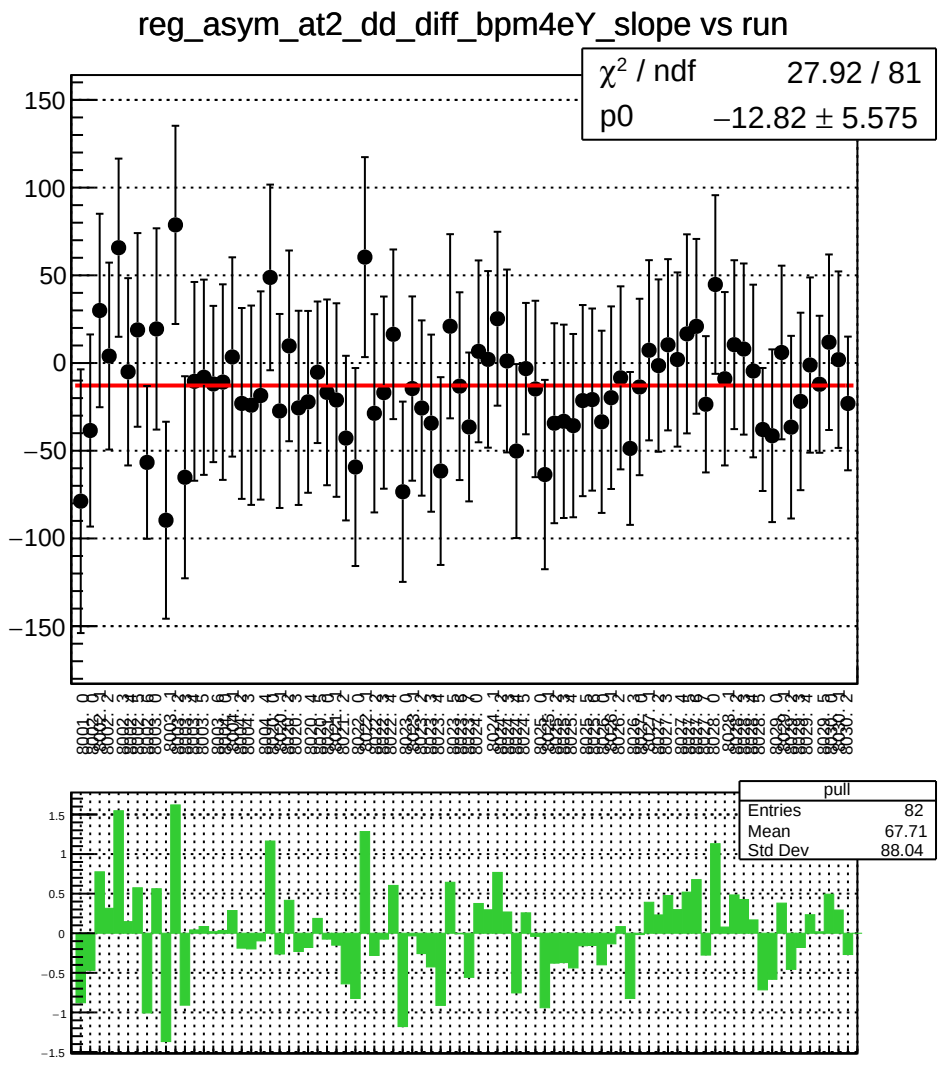

pull1D
Entries 82
Mean 0.08223
Std Dev 0.7437

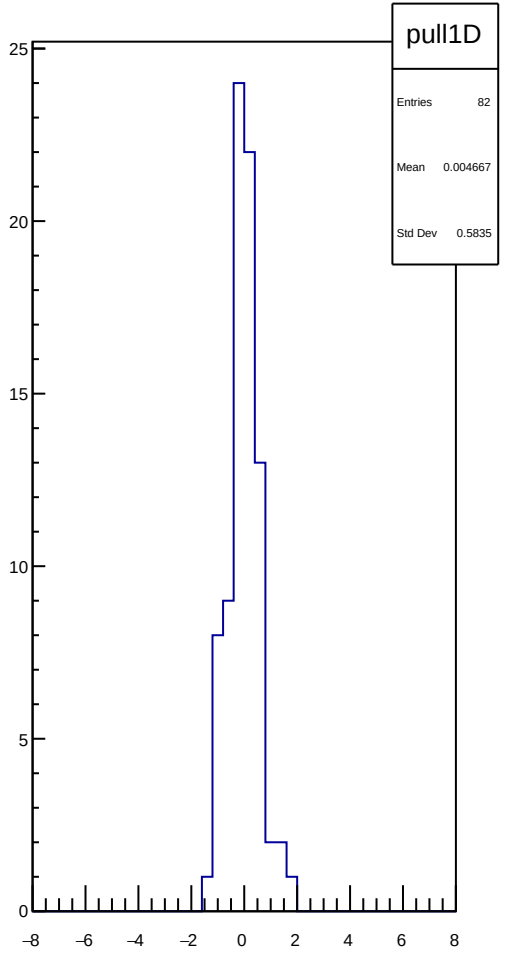

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.66 / 81
p0 18.61 ± 5.189
pull
Entries 82
Mean −29.94
Std Dev 72.48

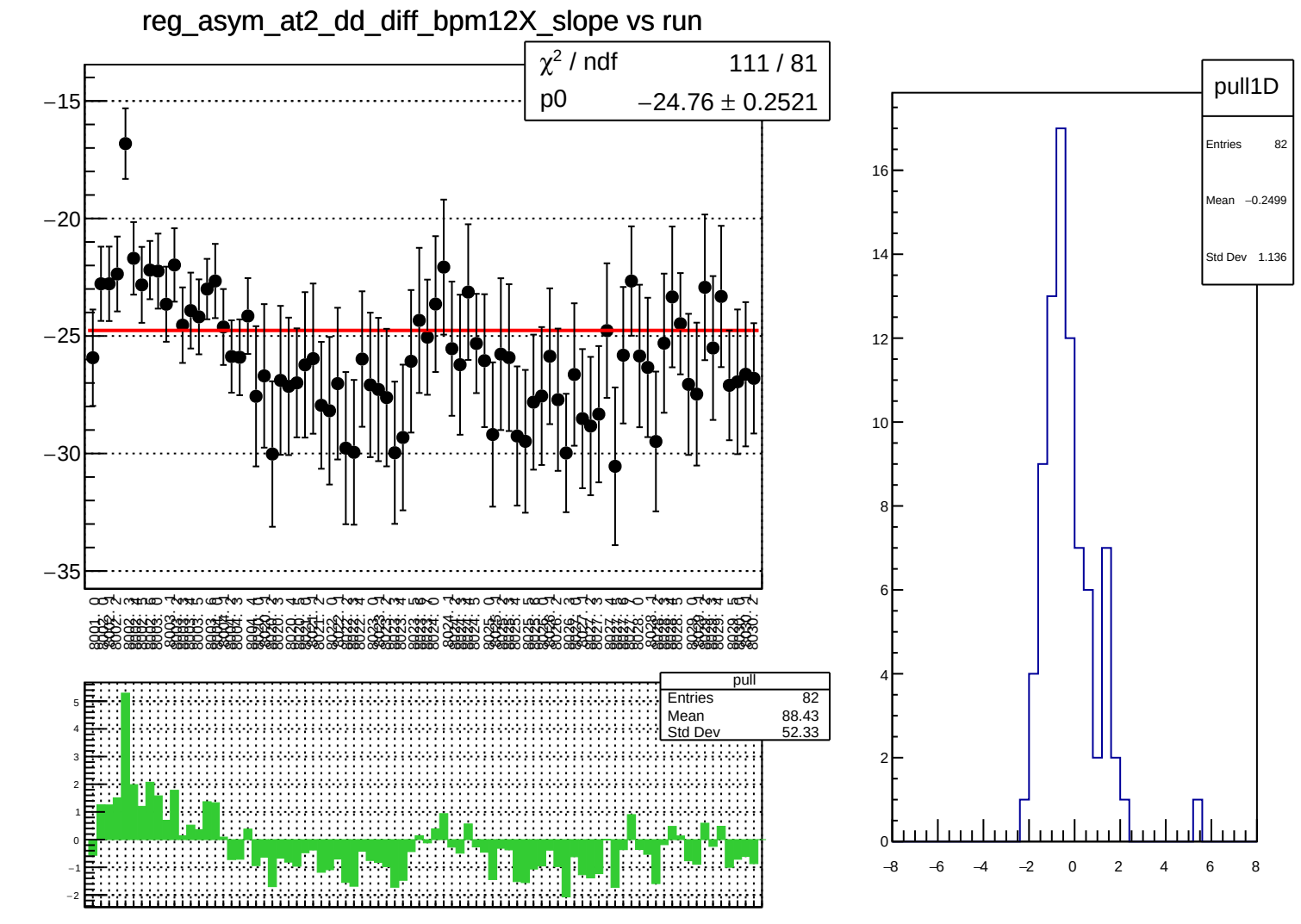

pull1D
Entries 82
Mean −0.004502
Std Dev 0.5807

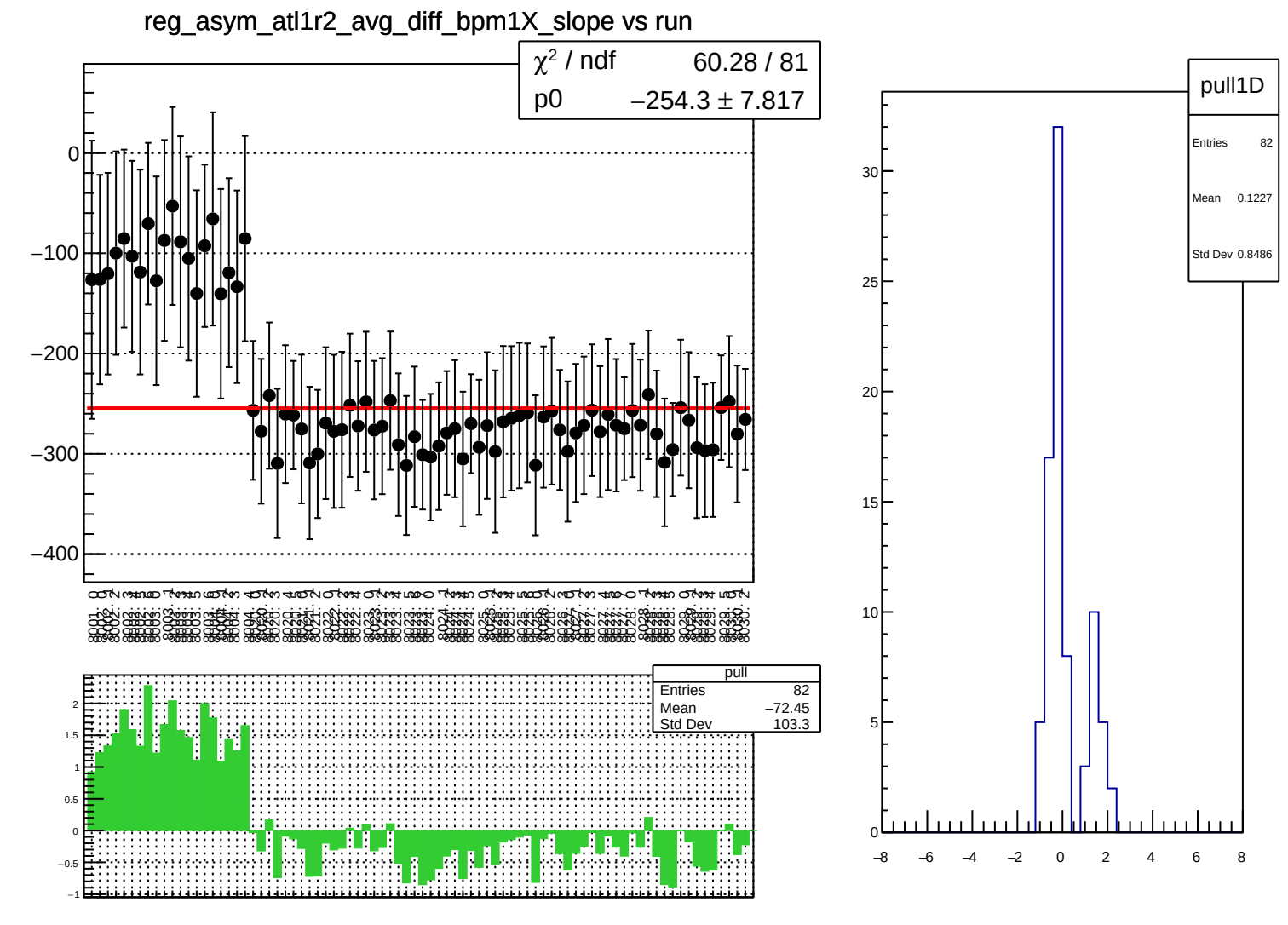

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.05 / 81
p0 115.7 ± 3.439
pull
Entries 82
Mean −78.49
Std Dev 111.6

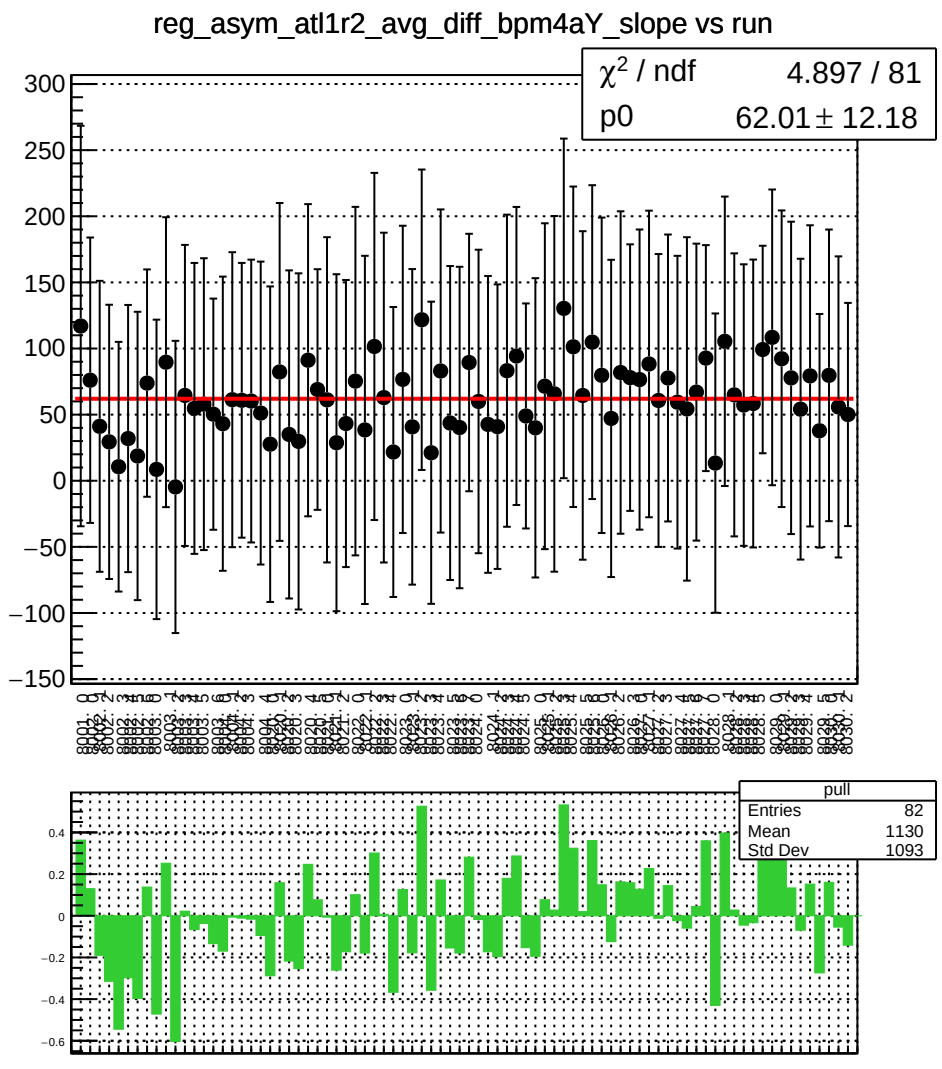

pull1D
Entries 82
Mean −0.0486
Std Dev 0.6972

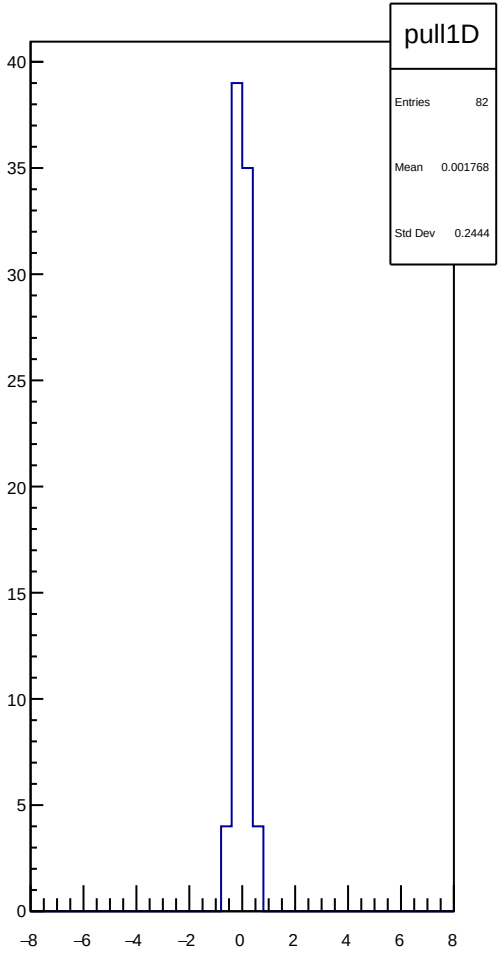

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.92 / 81
p0 −12.82 ± 5.575
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 67.71
Std Dev 88.04
1.5
1
0.5
0
−0.5
−1
−1.5

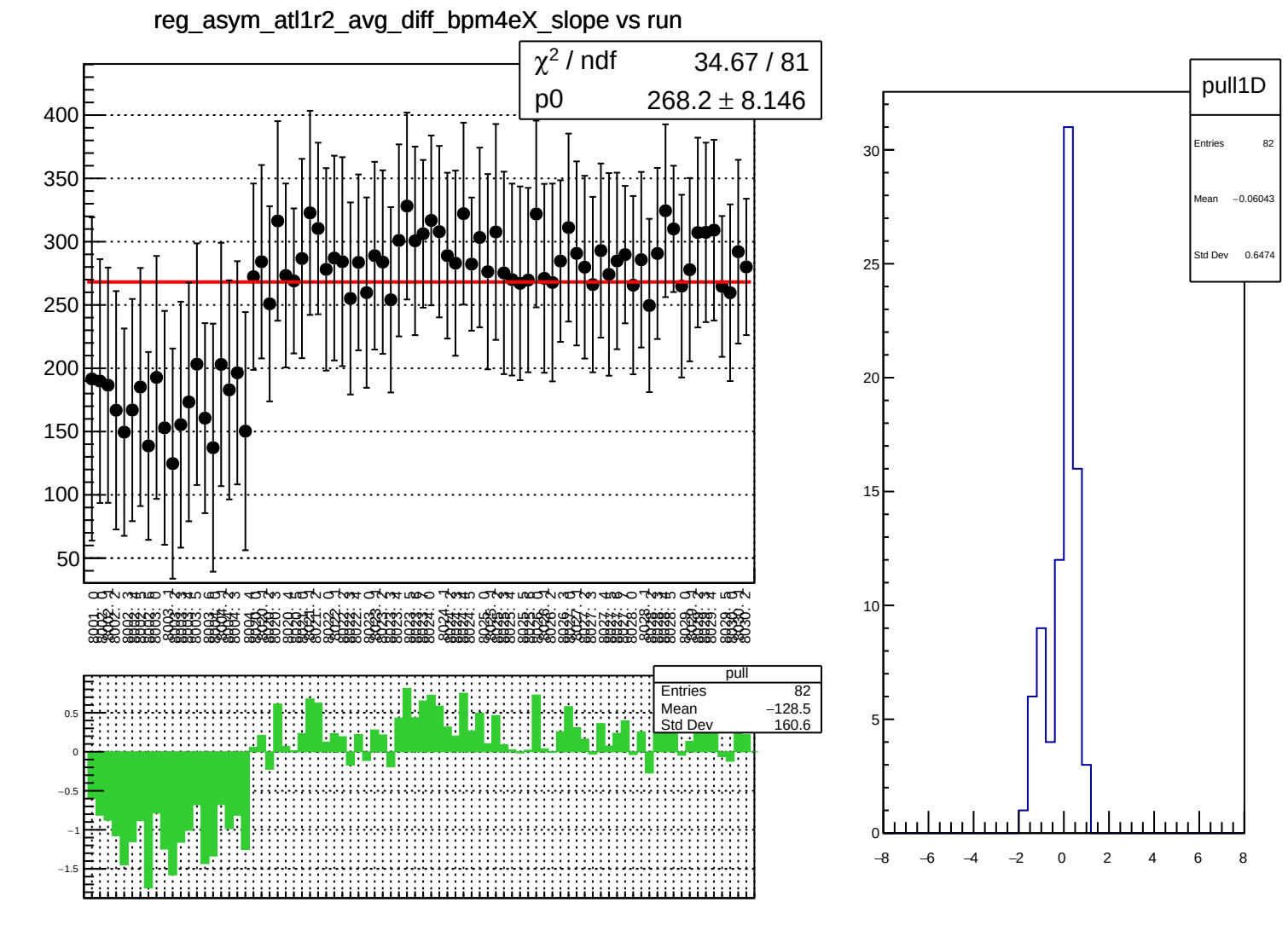

pull1D
Entries 82
Mean 0.004667
Std Dev 0.5835
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

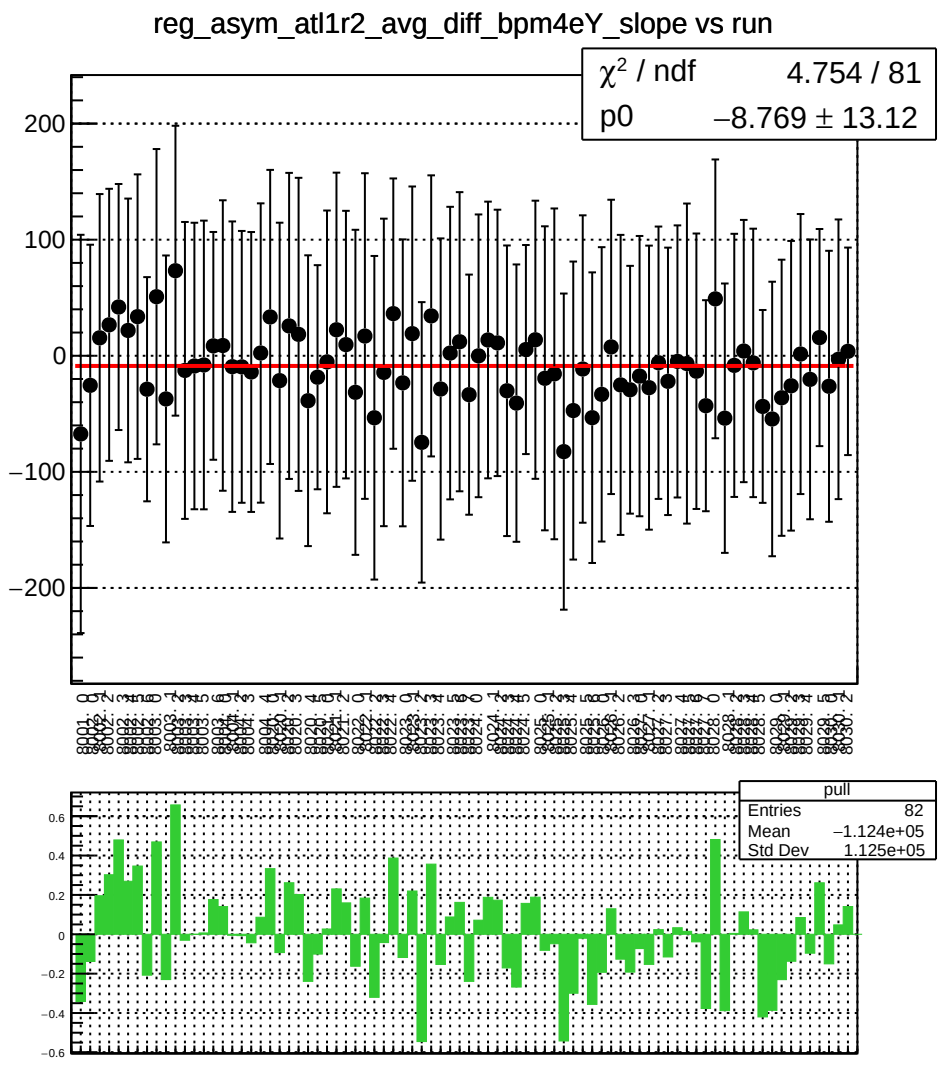

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 111 / 81
p0 −24.76 ± 0.2521
pull
Entries 82
Mean 88.43
Std Dev 52.33
pull1D
Entries 82
Mean −0.2499
Std Dev 1.136

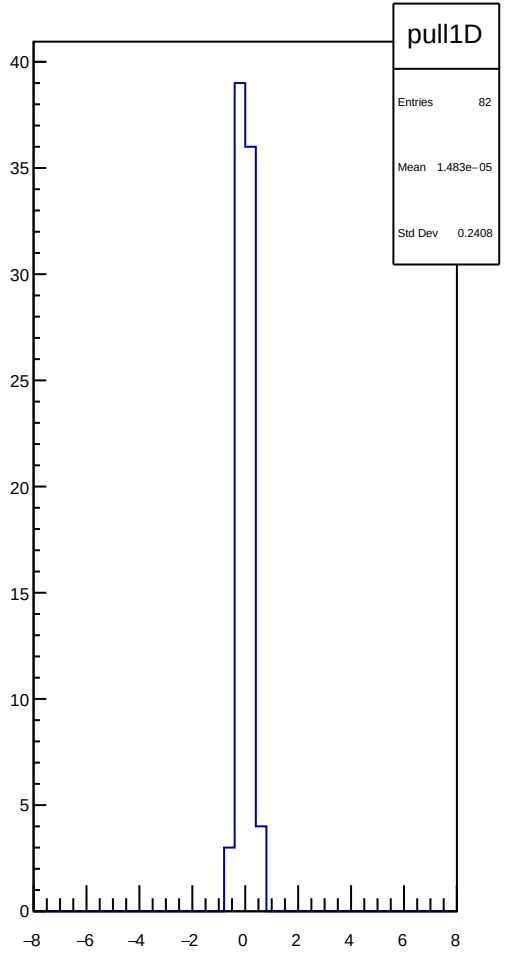

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 60.28 / 81
p0 −254.3 ± 7.817
0
−100
−200
−300
−400
pull
Entries 82
Mean −72.45
Std Dev 103.3
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean 0.1227
Std Dev 0.8486
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

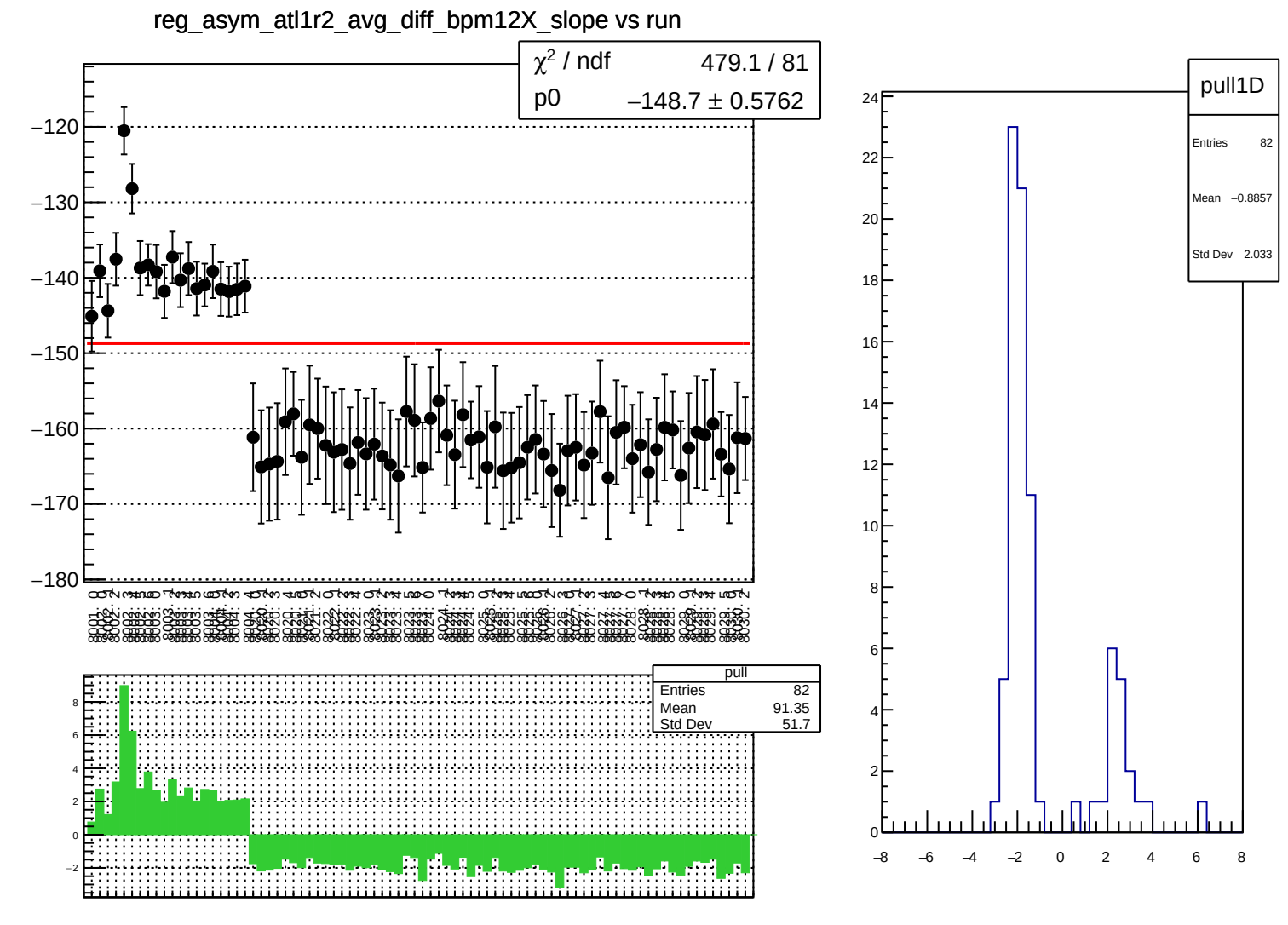

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.897 / 81
p0 62.01 ± 12.18
pull
Entries 82
Mean 1130
Std Dev 1093

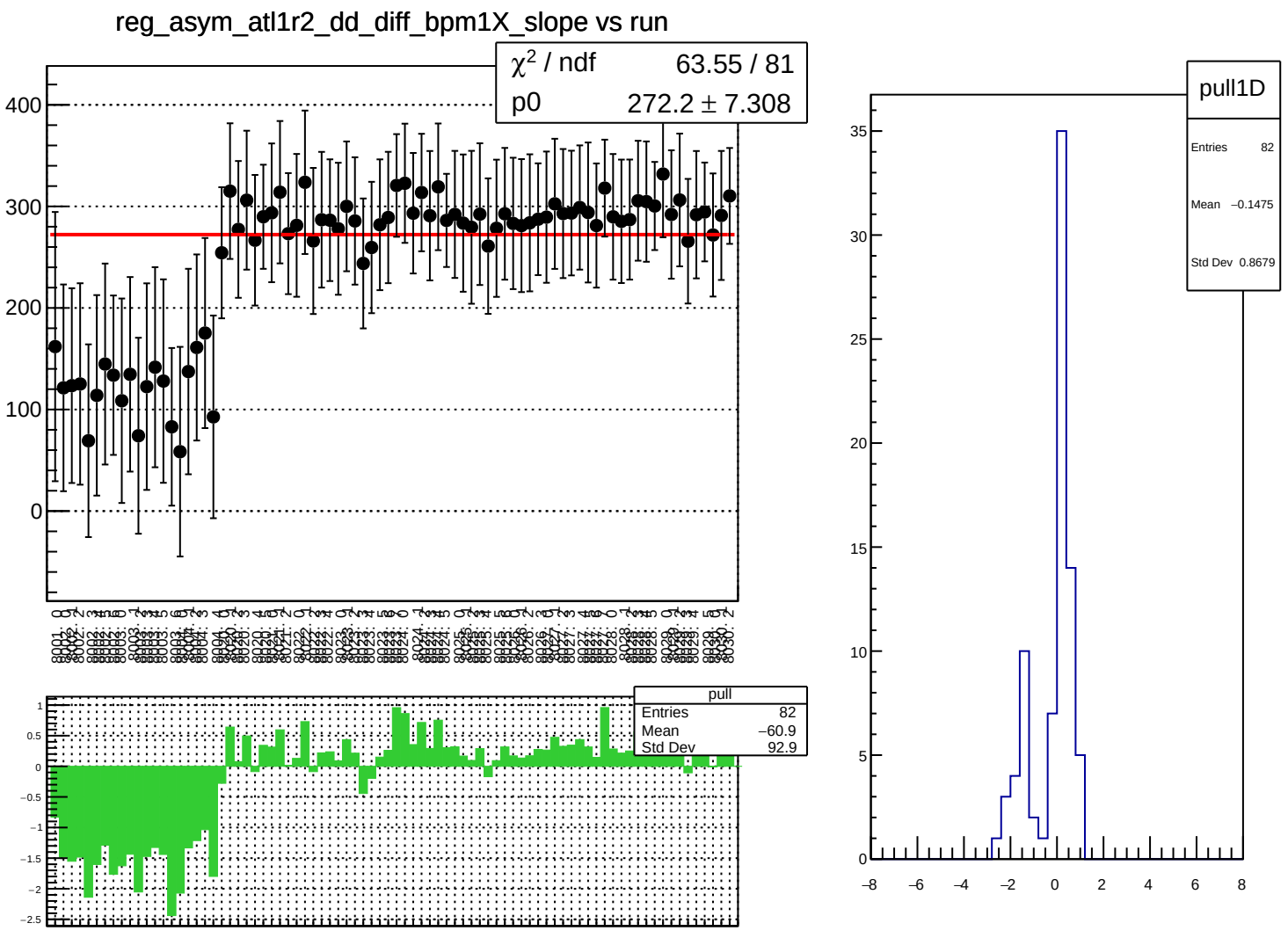

pull1D
Entries 82
Mean 0.001768
Std Dev 0.2444

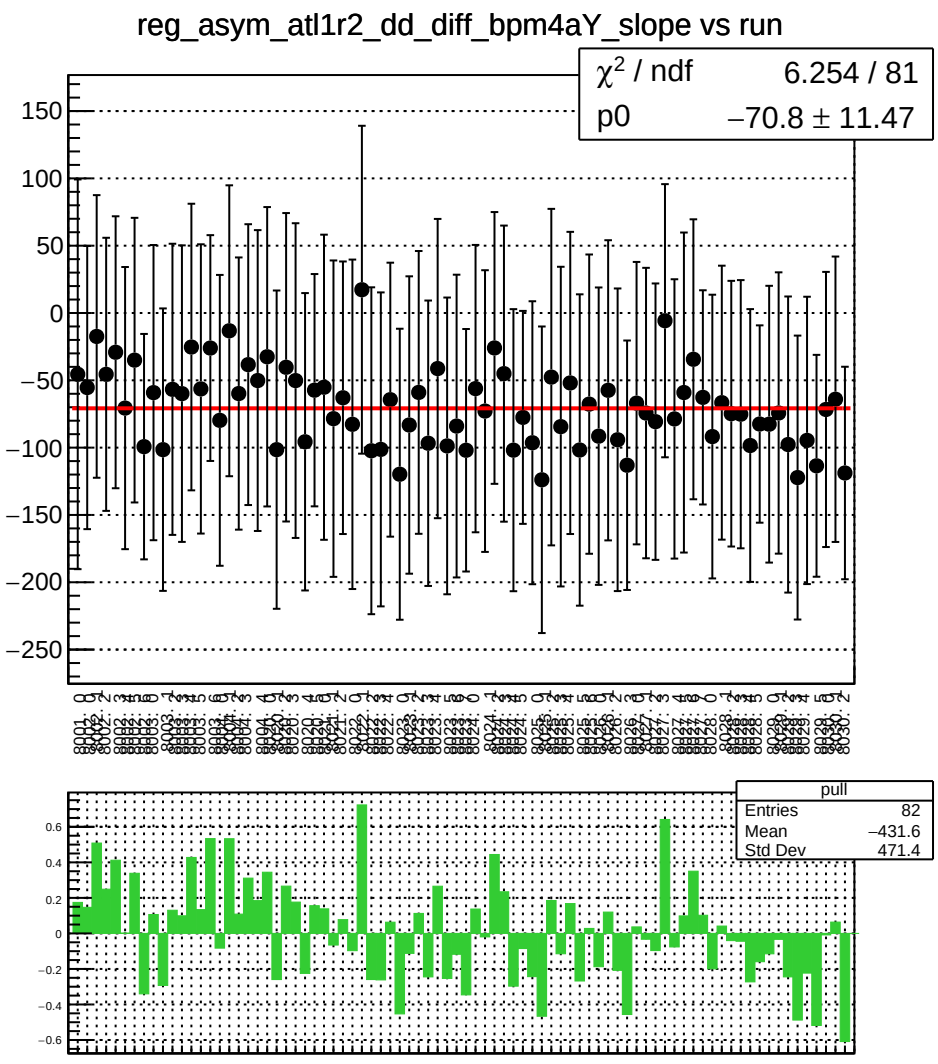

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.67 / 81
p0 268.2 ± 8.146
400
350
300
250
200
150
100
50
pull
Entries 82
Mean −128.5
Std Dev 160.6
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.06043
Std Dev 0.6474
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

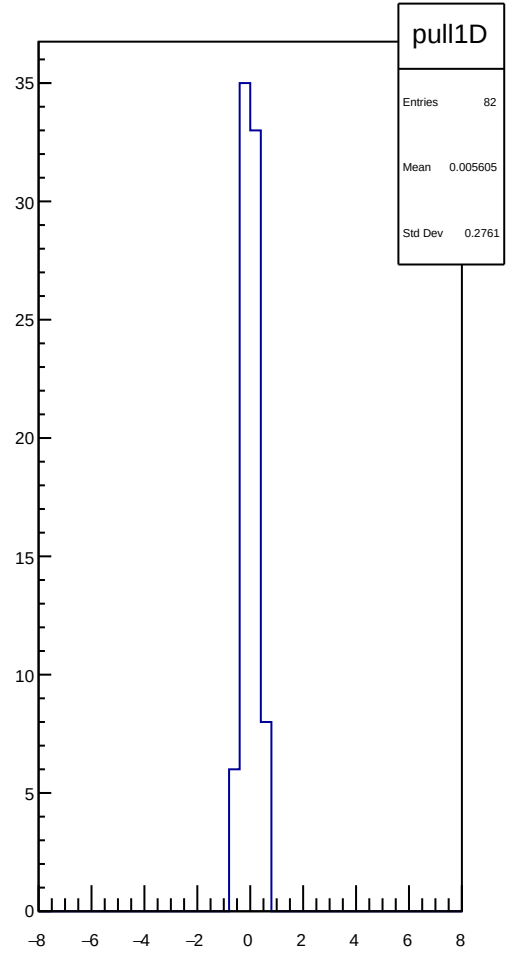

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.754 / 81
p0 −8.769 ± 13.12
200
100
0
−100
−200
pull
Entries 82
Mean −1.124e+05
Std Dev 1.125e+05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

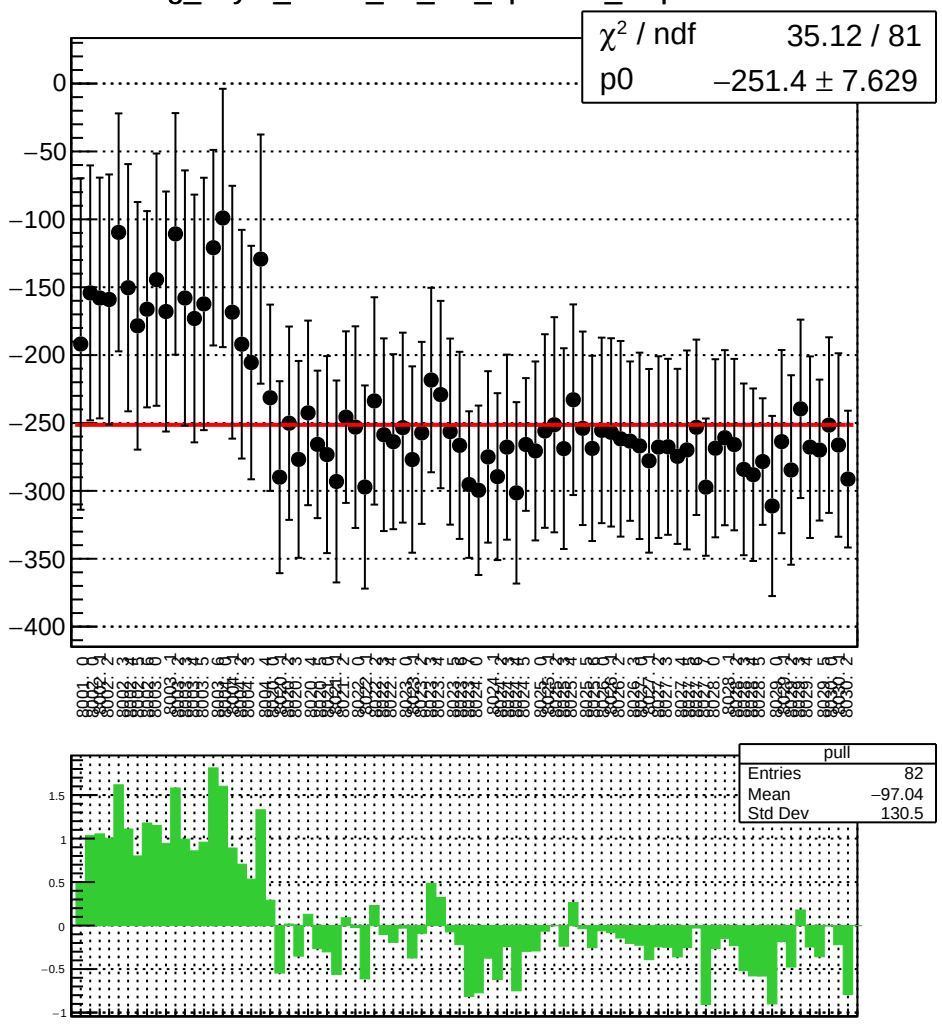

pull1D
Entries 82
Mean 1.483e−05
Std Dev 0.2408
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

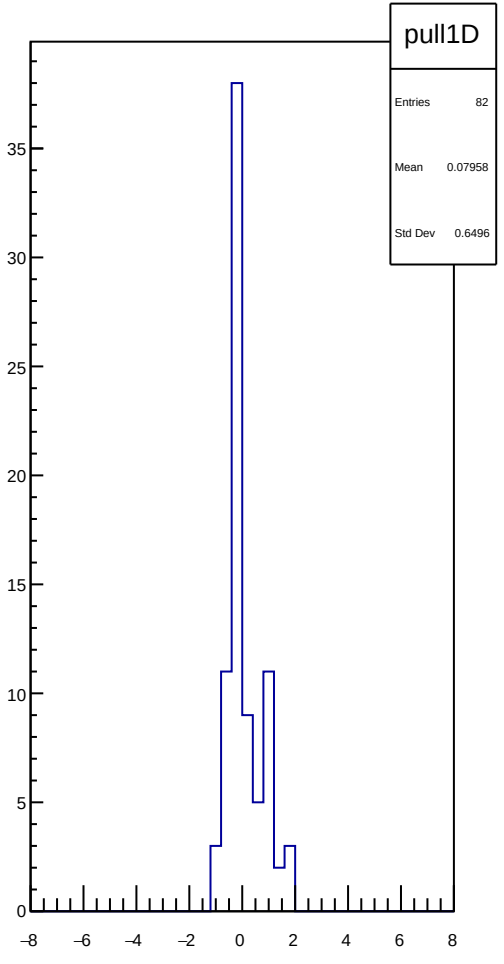

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 479.1 / 81
p0 −148.7 ± 0.5762
pull
Entries 82
Mean 91.35
Std Dev 51.7
pull1D
Entries 82
Mean −0.8857
Std Dev 2.033

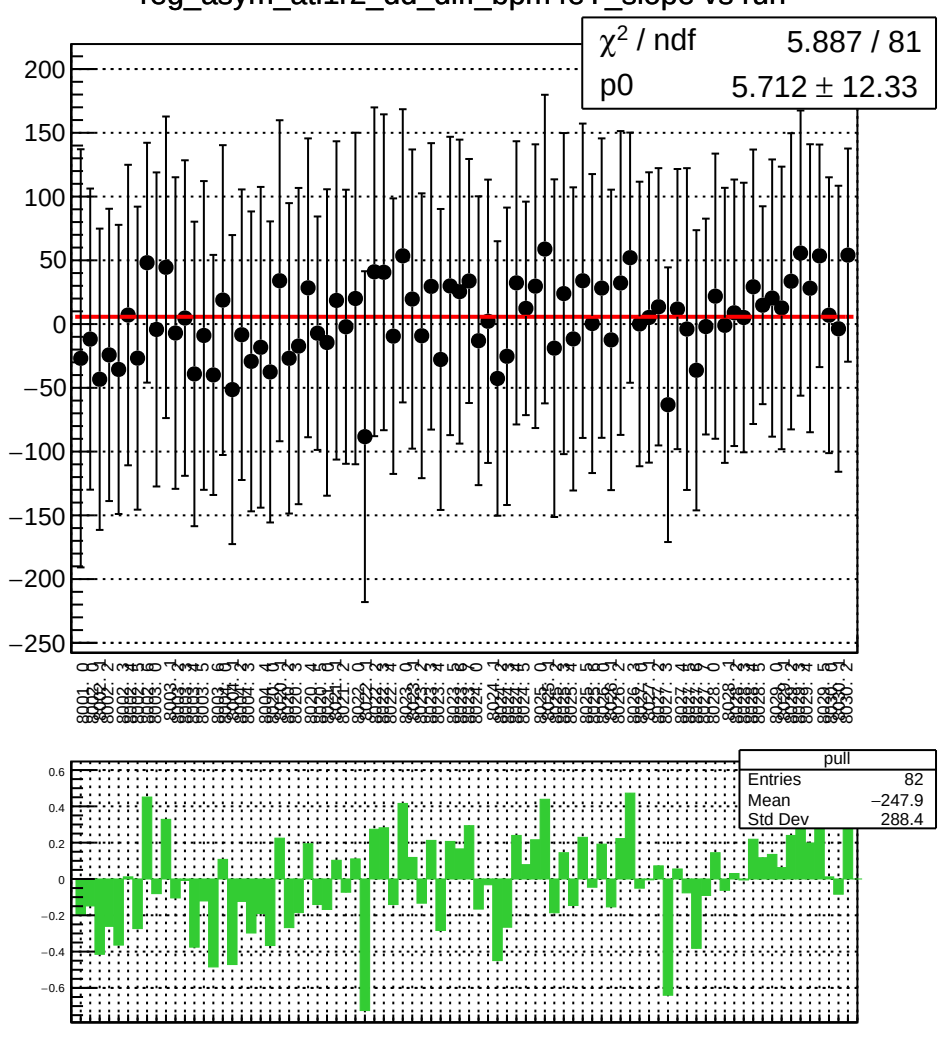

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 63.55 / 81
p0 272.2 ± 7.308
pull
Entries 82
Mean −60.9
Std Dev 92.9
pull1D
Entries 82
Mean −0.1475
Std Dev 0.8679

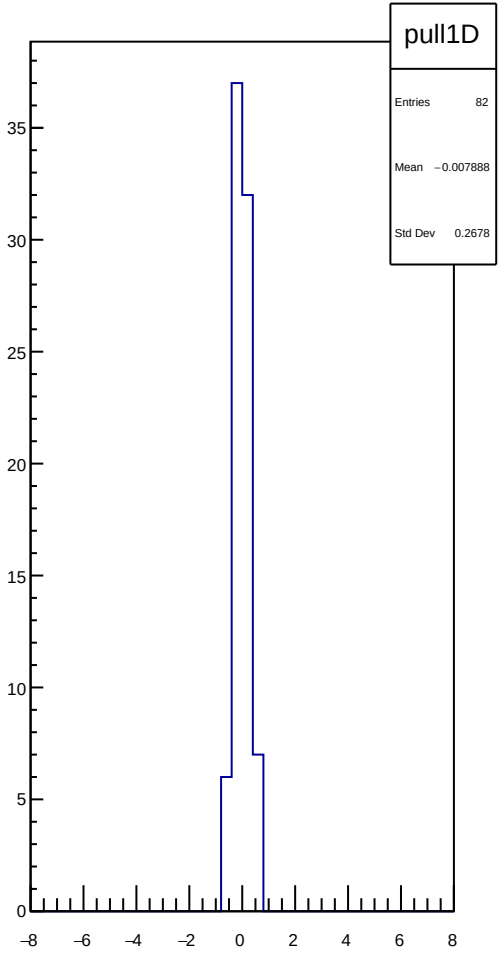

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.254 / 81
p0 −70.8 ± 11.47
pull
Entries 82
Mean −431.6
Std Dev 471.4

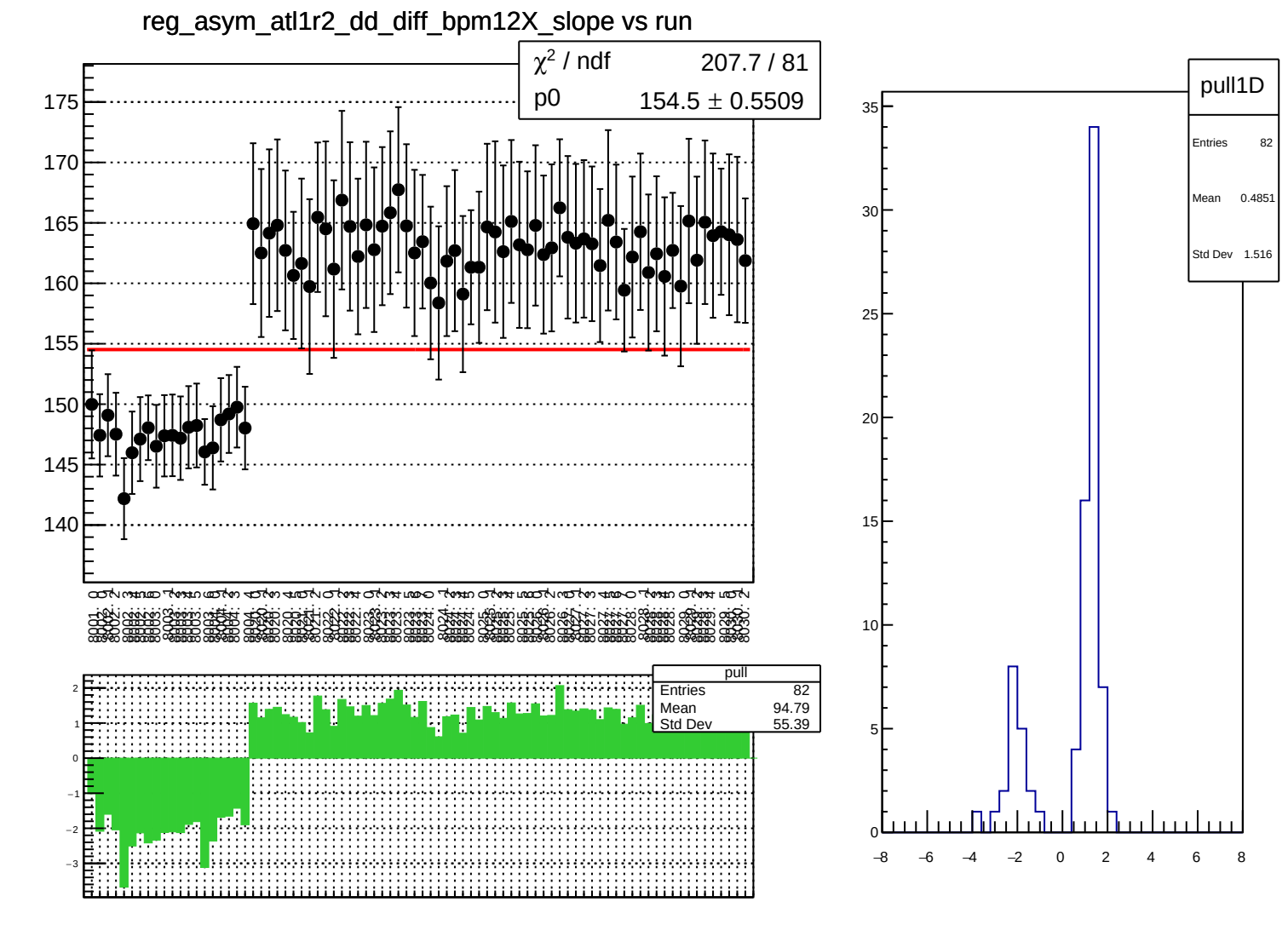

pull1D
Entries 82
Mean 0.005605
Std Dev 0.2761

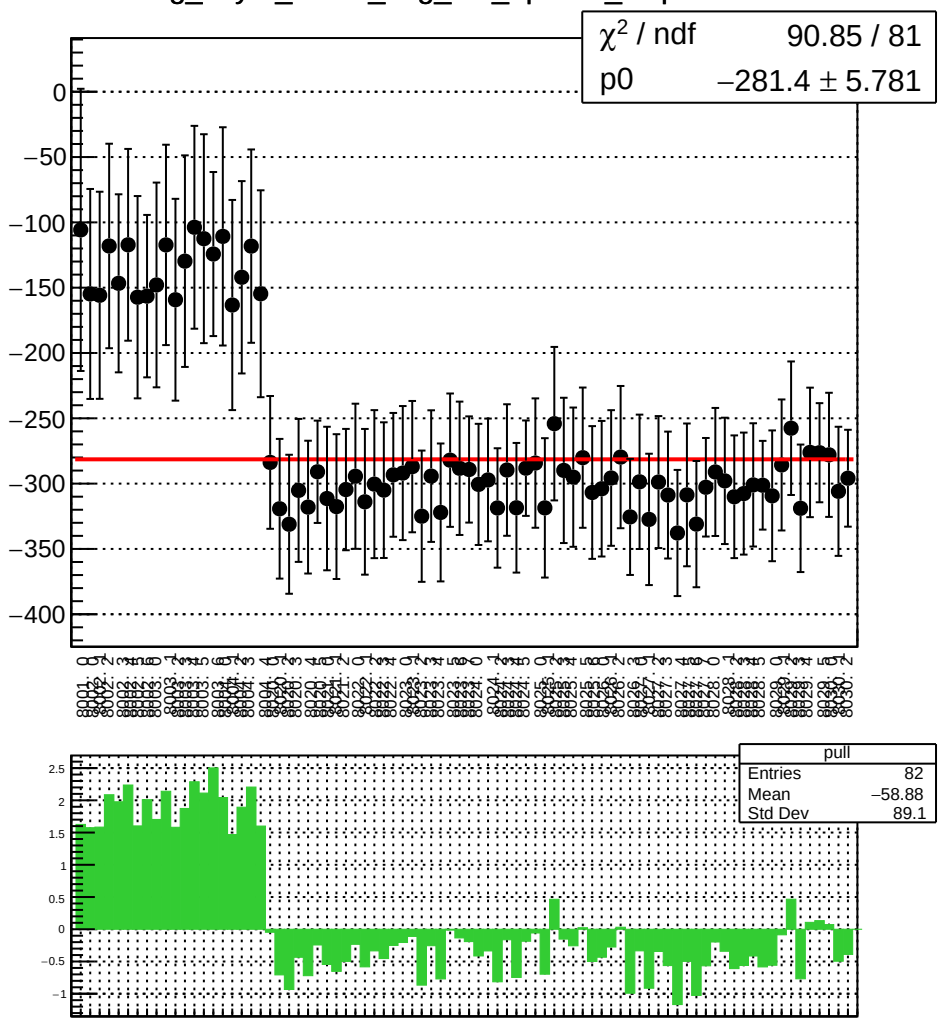

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.12 / 81
p0 −251.4 ± 7.629
pull
Entries 82
Mean −97.04
Std Dev 130.5

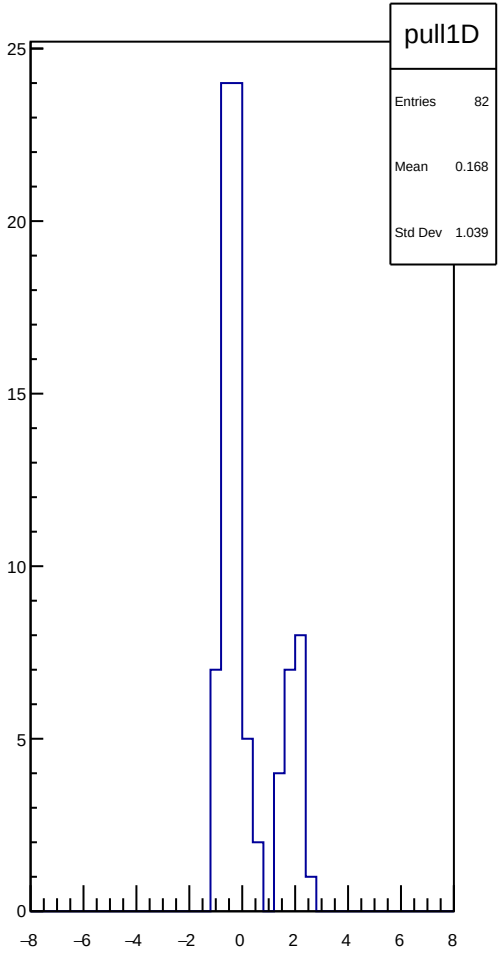

pull1D
Entries 82
Mean 0.07958
Std Dev 0.6496

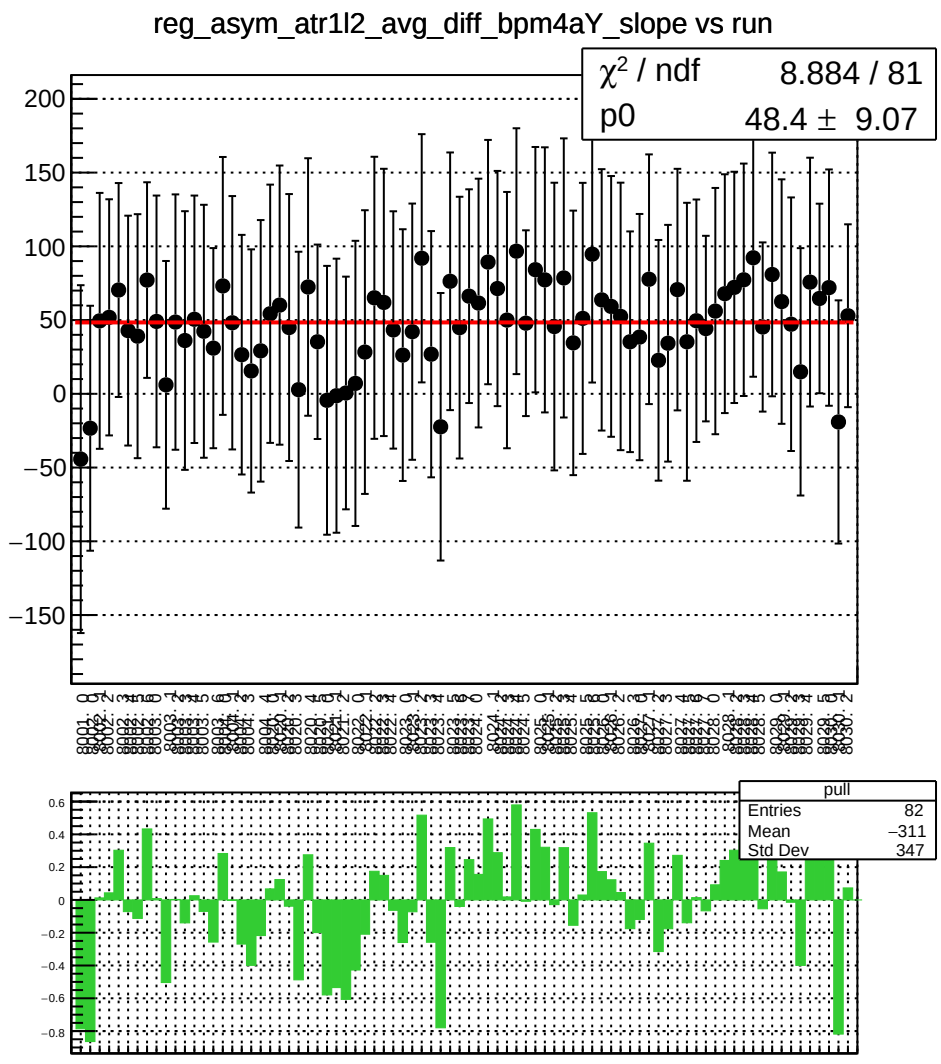

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.887 / 81
p0 5.712 ± 12.33
pull
Entries 82
Mean −247.9
Std Dev 288.4

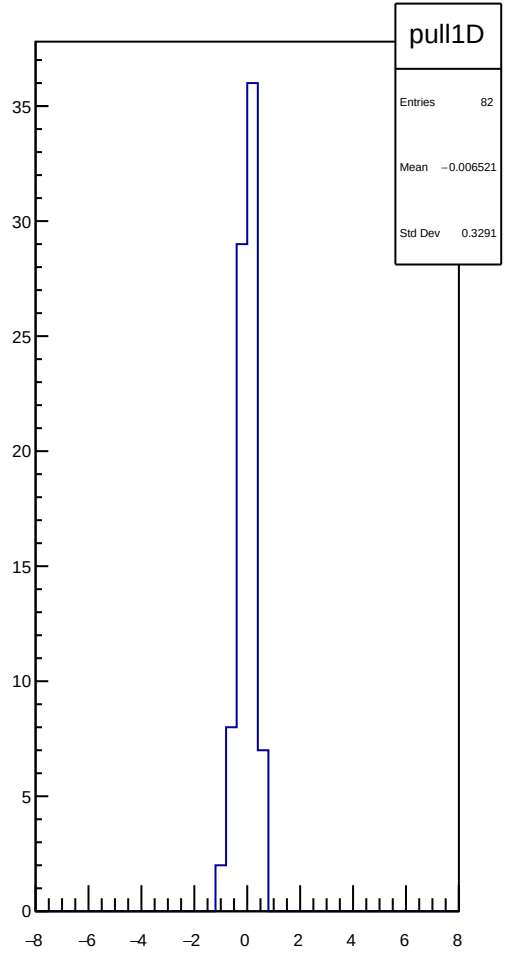

pull1D
Entries 82
Mean −0.007888
Std Dev 0.2678

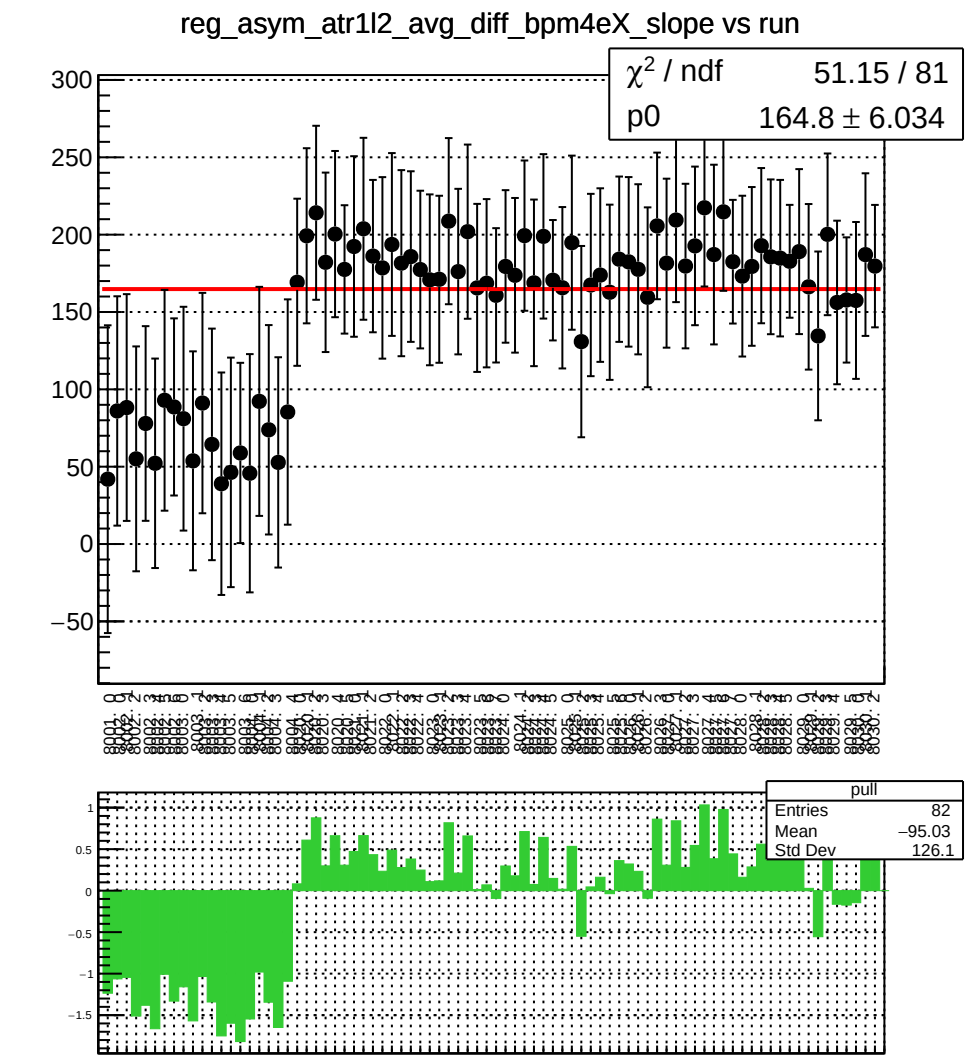

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 207.7 / 81
p0 154.5 ± 0.5509
pull
Entries 82
Mean 94.79
Std Dev 55.39
pull1D
Entries 82
Mean 0.4851
Std Dev 1.516

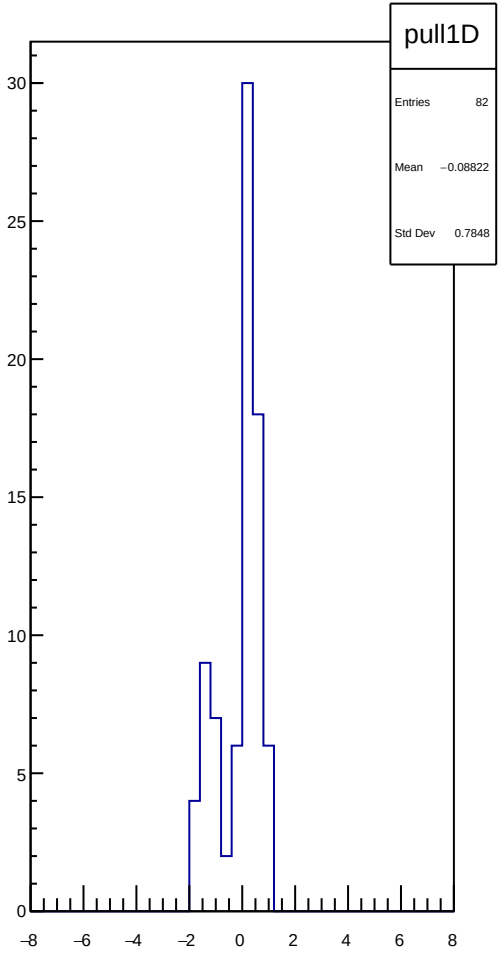

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 90.85 / 81
p0 −281.4 ± 5.781
pull
Entries 82
Mean −58.88
Std Dev 89.1

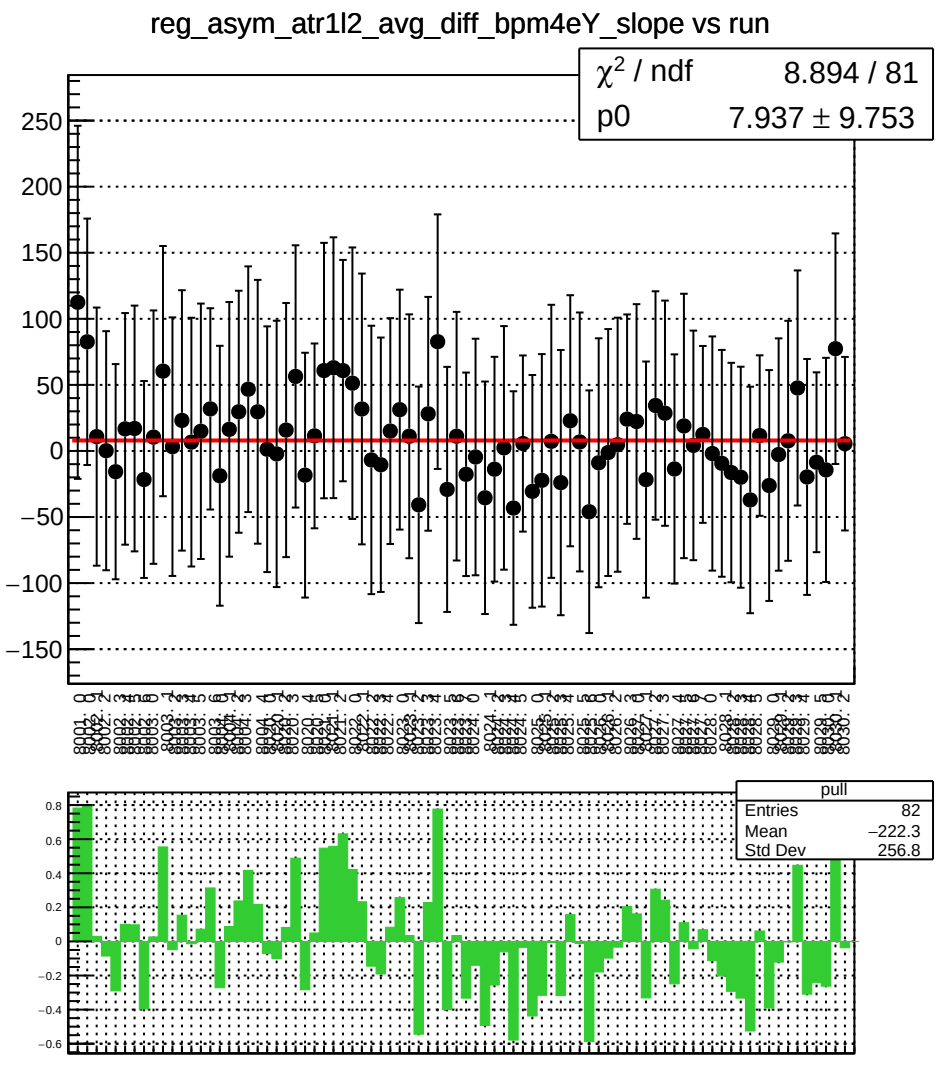

pull1D
Entries 82
Mean 0.168
Std Dev 1.039

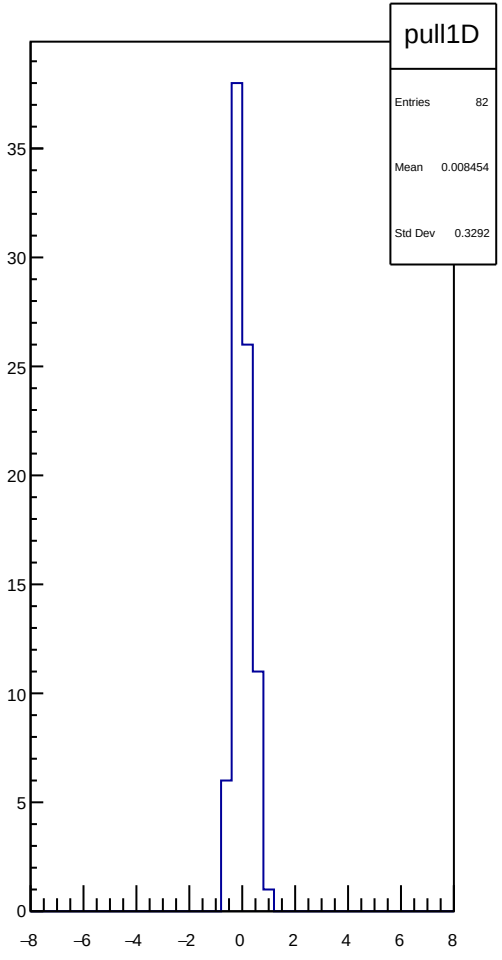

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.884 / 81
p0 48.4 ± 9.07
pull
Entries 82
Mean −311
Std Dev 347

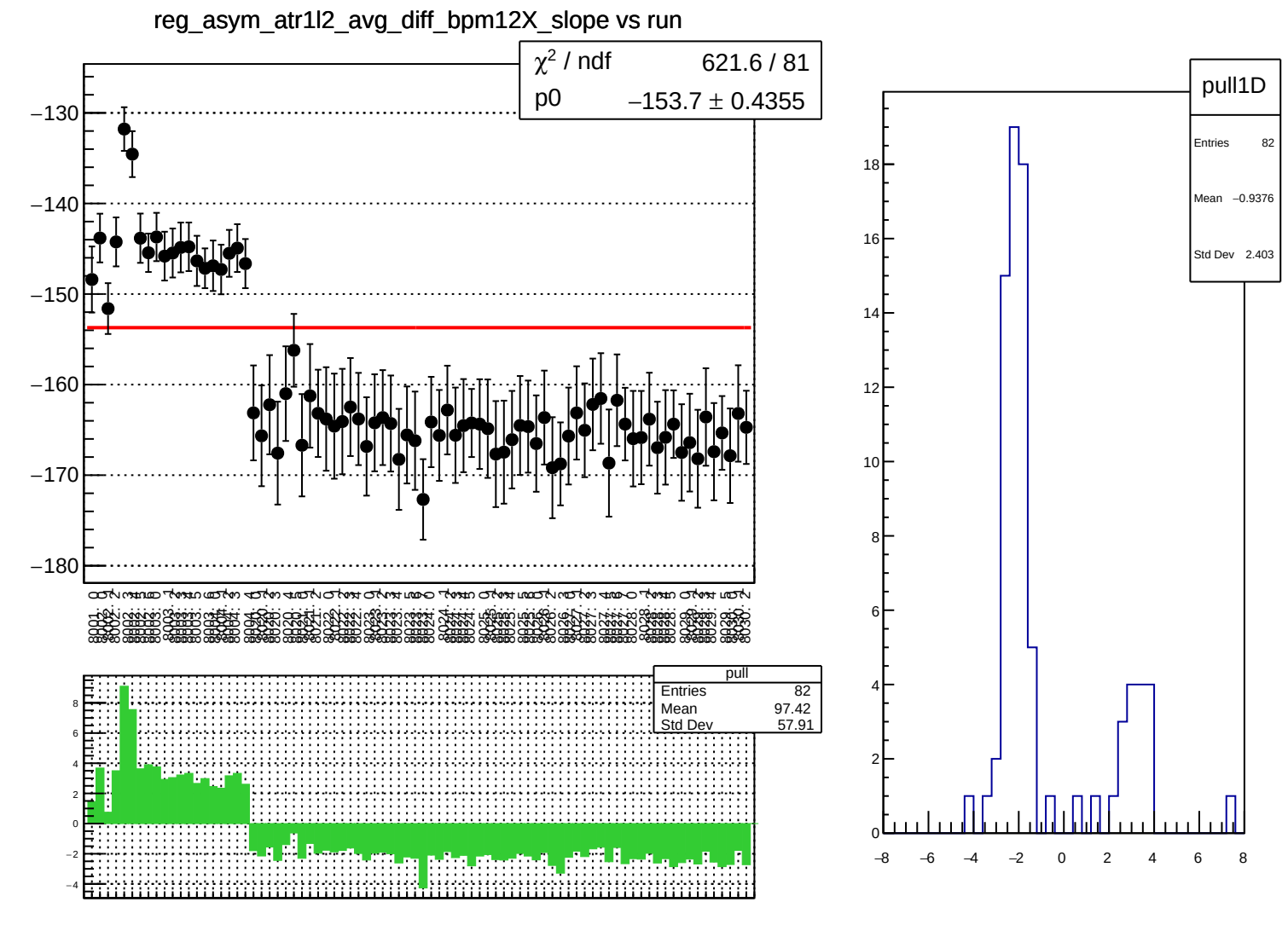

pull1D
Entries 82
Mean −0.006521
Std Dev 0.3291

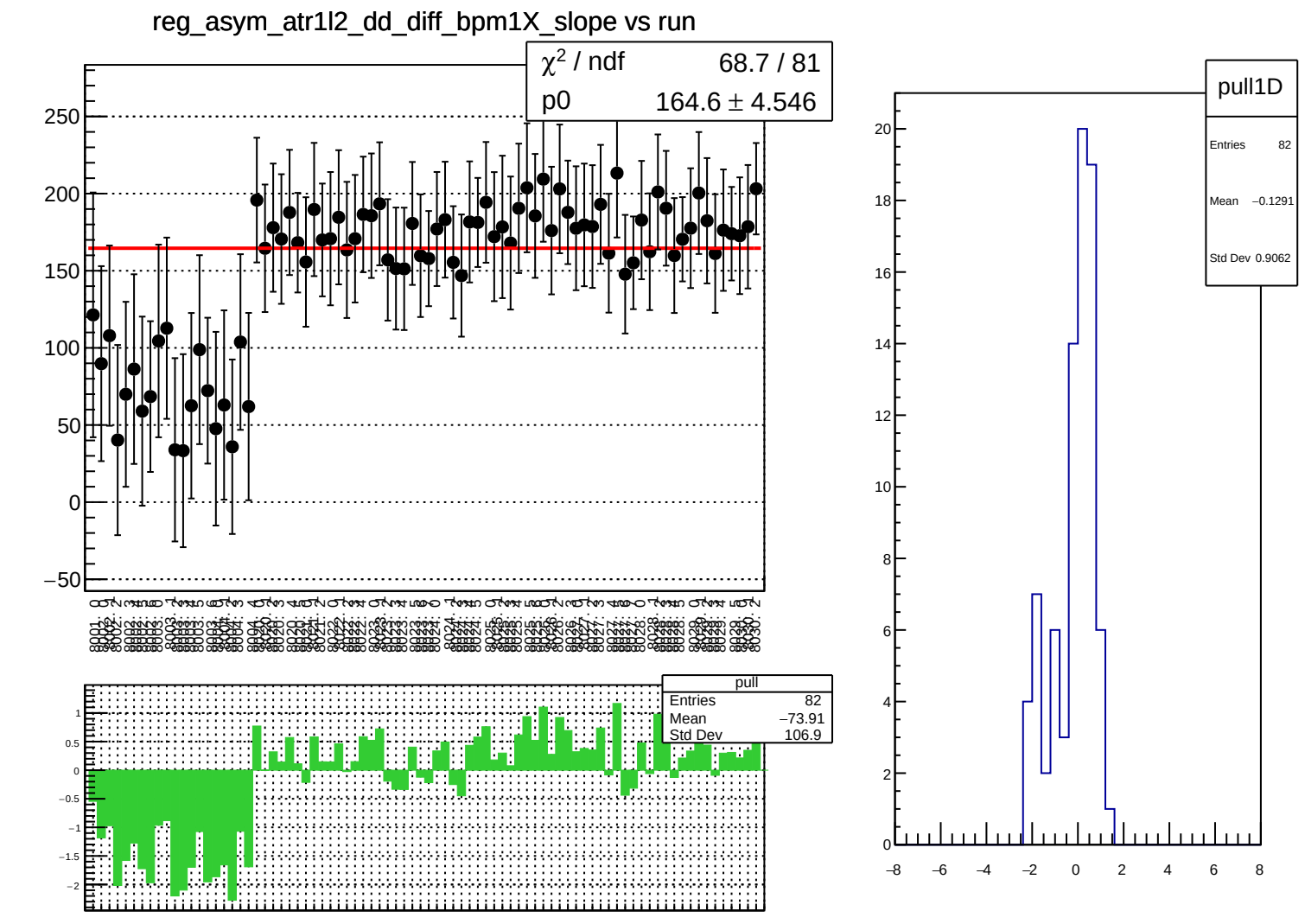

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.15 / 81
p0 164.8 ± 6.034
pull
Entries 82
Mean −95.03
Std Dev 126.1

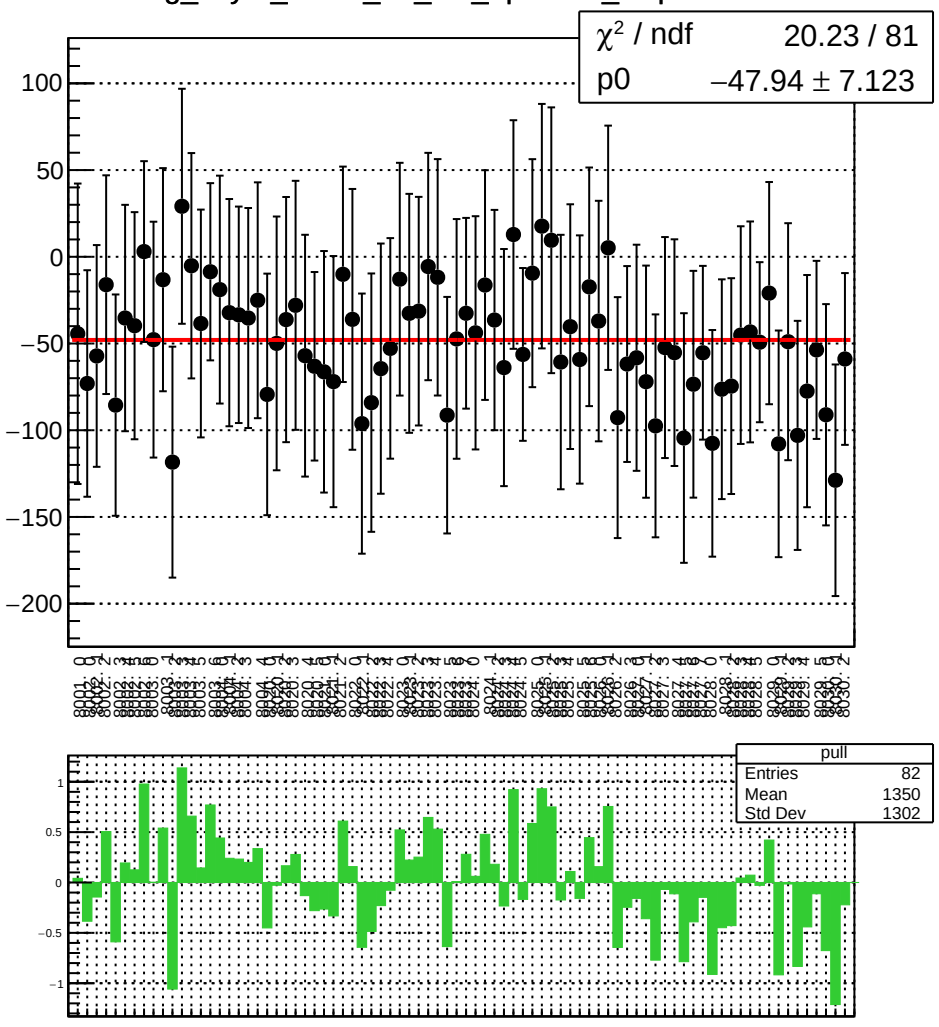

pull1D
Entries 82
Mean −0.08822
Std Dev 0.7848

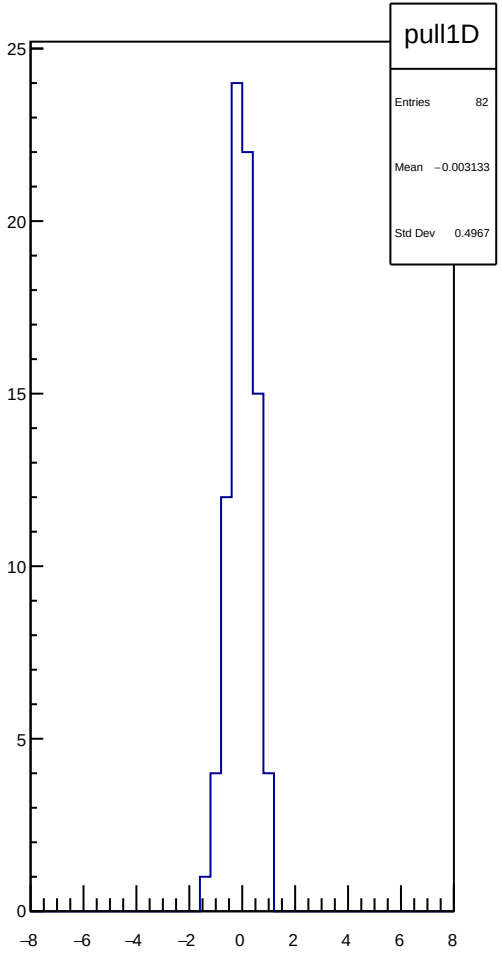

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.894 / 81
p0 7.937 ± 9.753
pull
Entries 82
Mean −222.3
Std Dev 256.8

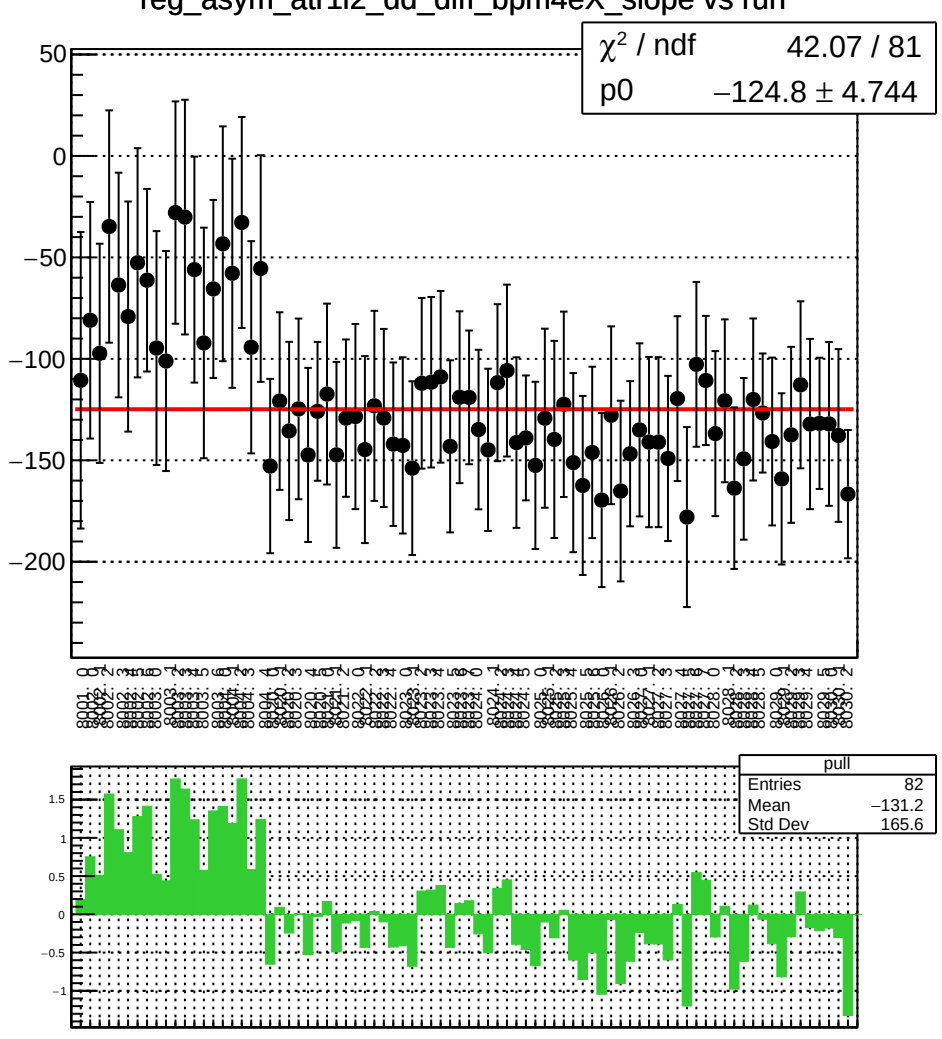

pull1D
Entries 82
Mean 0.008454
Std Dev 0.3292

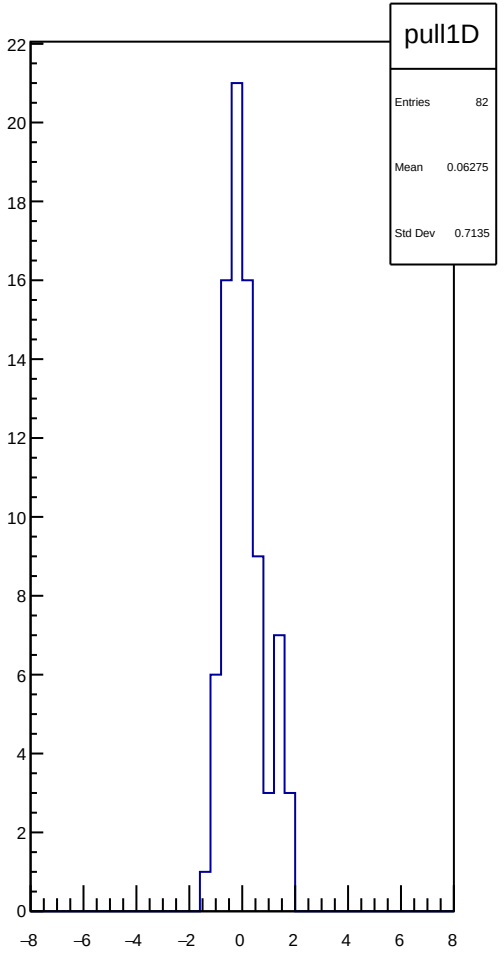

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 621.6 / 81
p0 −153.7 ± 0.4355
−130
−140
−150
−160
−170
−180
pull
Entries 82
Mean 97.42
Std Dev 57.91
pull1D
Entries 82
Mean −0.9376
Std Dev 2.403

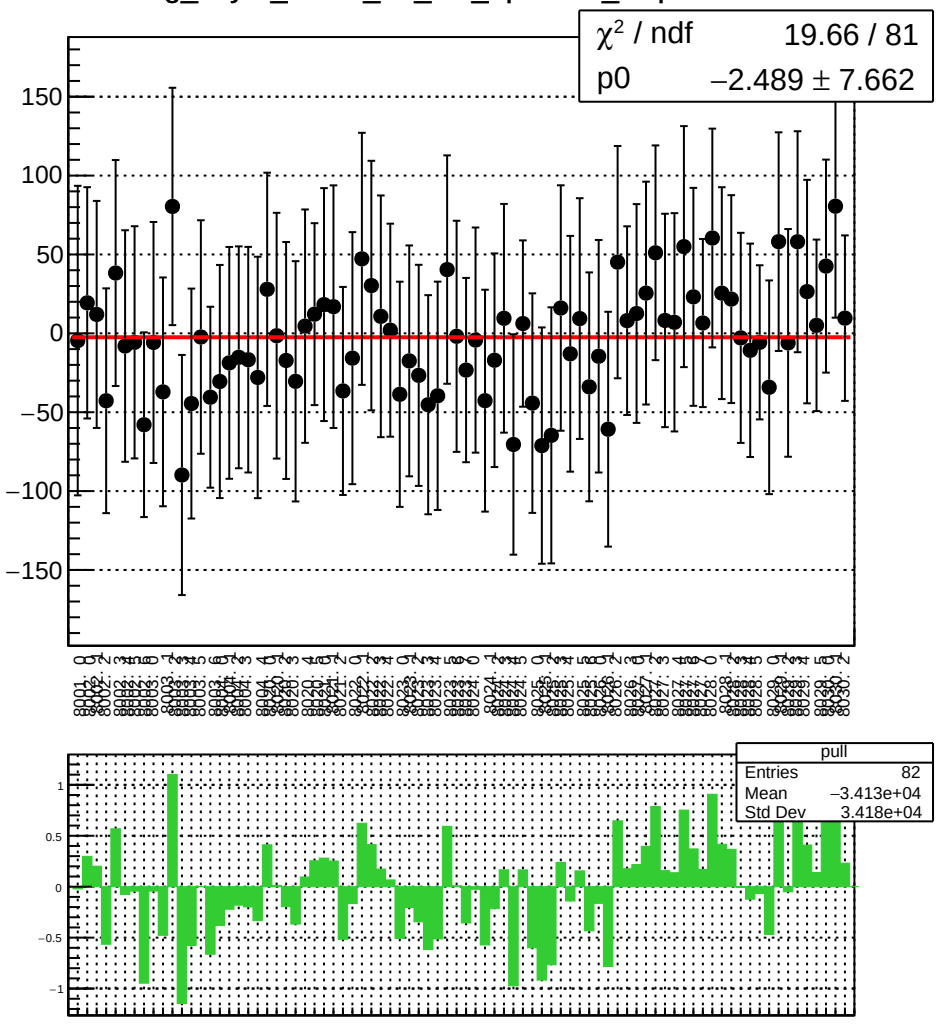

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 68.7 / 81
p0 164.6 ± 4.546
250
200
150
100
50
0
−50
pull
Entries 82
Mean −73.91
Std Dev 106.9
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.1291
Std Dev 0.9062
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

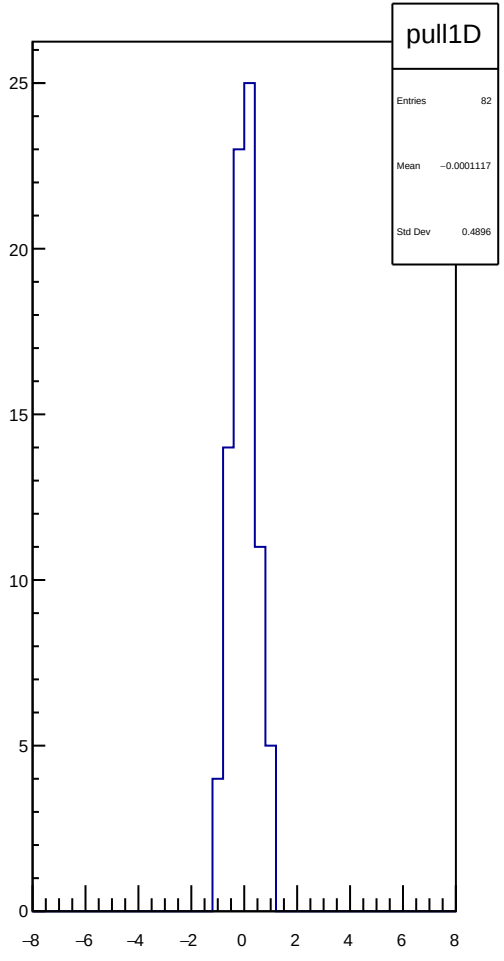

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.23 / 81
p0 −47.94 ± 7.123
pull
Entries 82
Mean 1350
Std Dev 1302

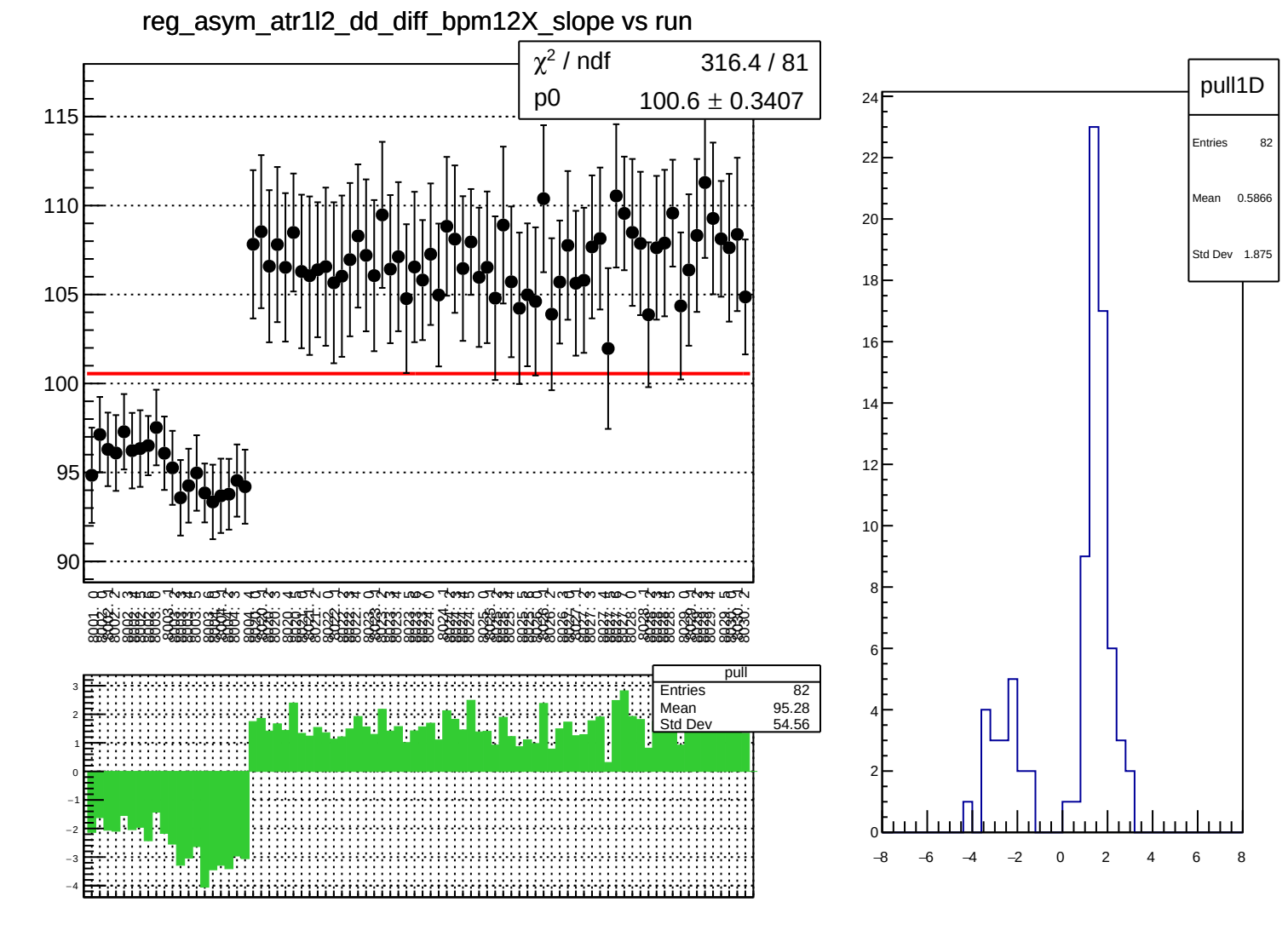

pull1D
Entries 82
Mean −0.003133
Std Dev 0.4967

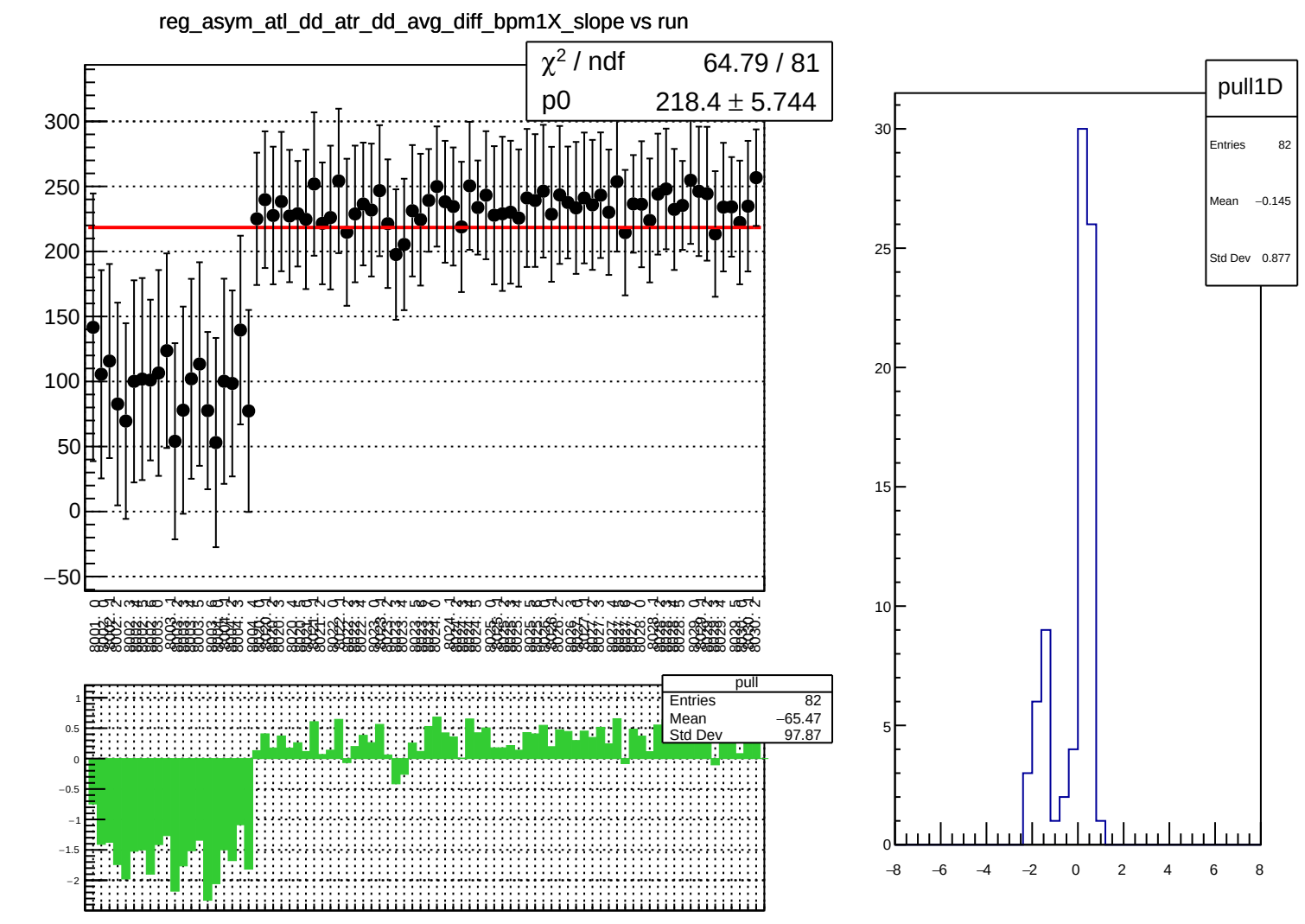

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.07 / 81
p0 −124.8 ± 4.744
pull
Entries 82
Mean −131.2
Std Dev 165.6

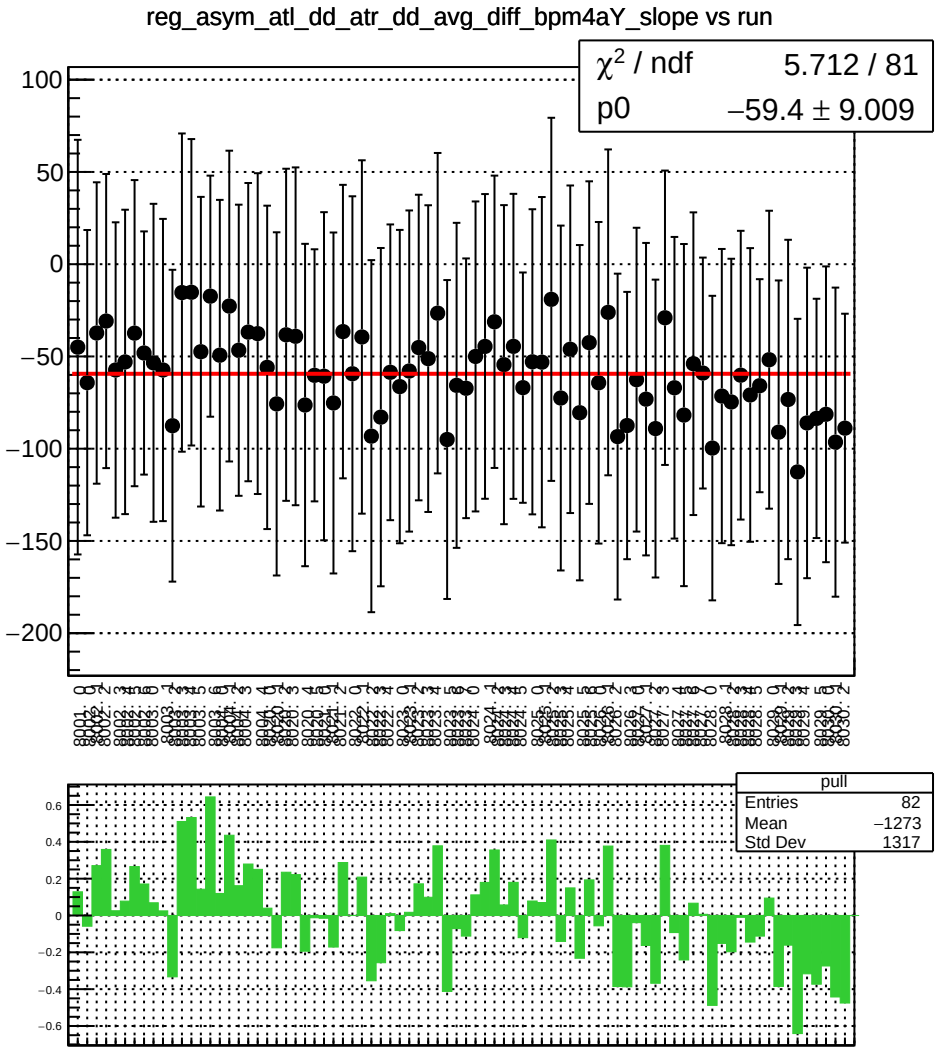

pull1D
Entries 82
Mean 0.06275
Std Dev 0.7135

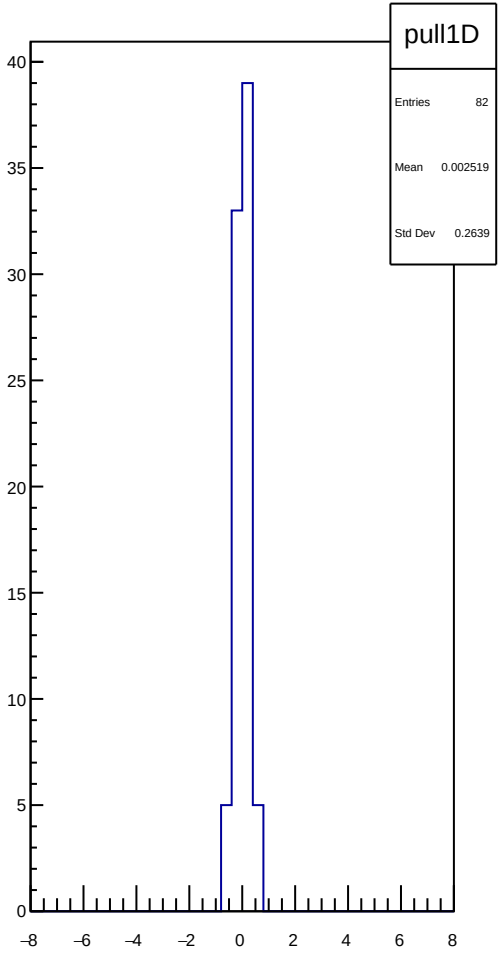

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.66 / 81
p0 −2.489 ± 7.662
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −3.413e+04
Std Dev 3.418e+04
1
0.5
0
−0.5
−1

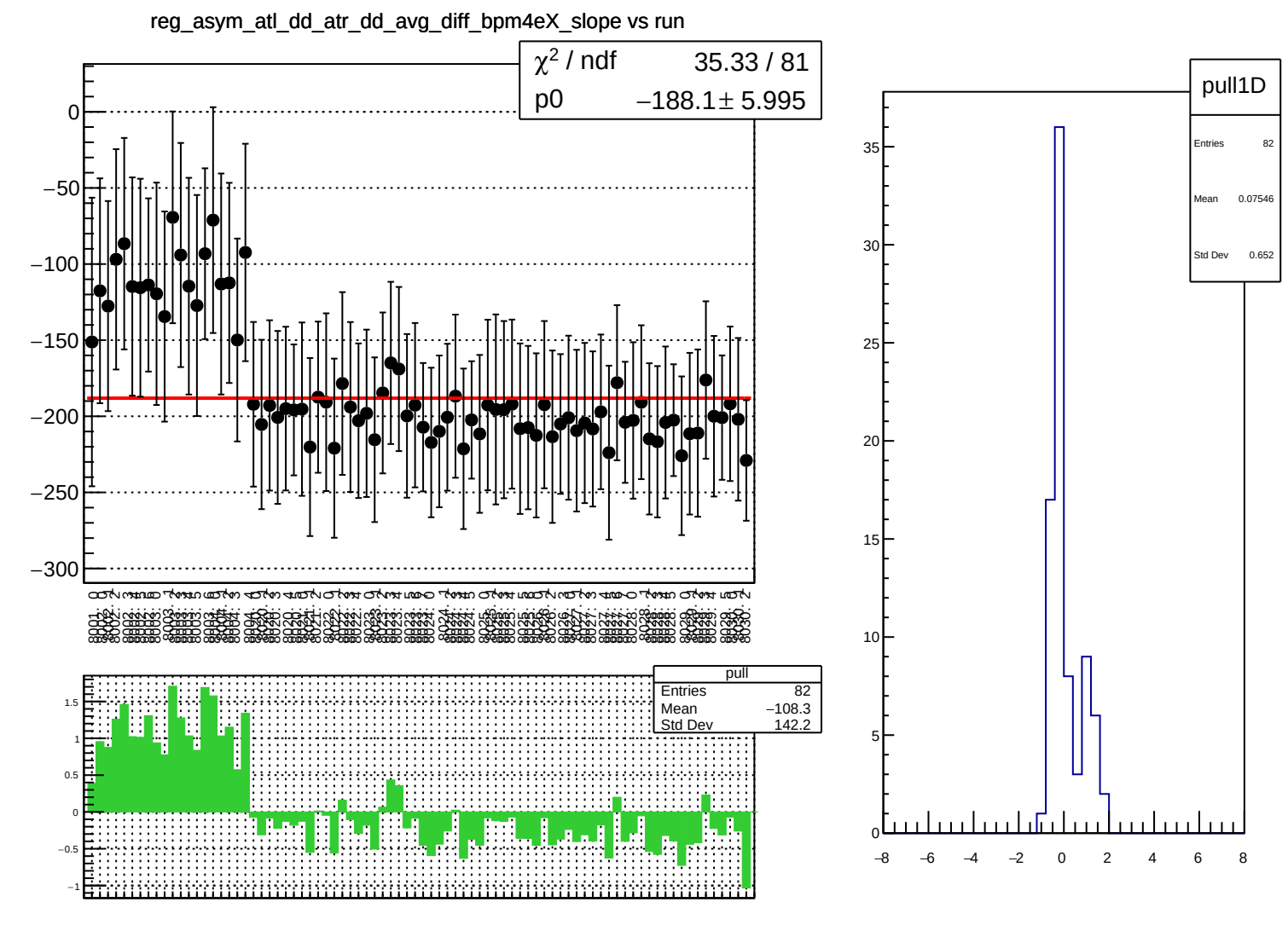

pull1D
Entries 82
Mean −0.0001117
Std Dev 0.4896
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

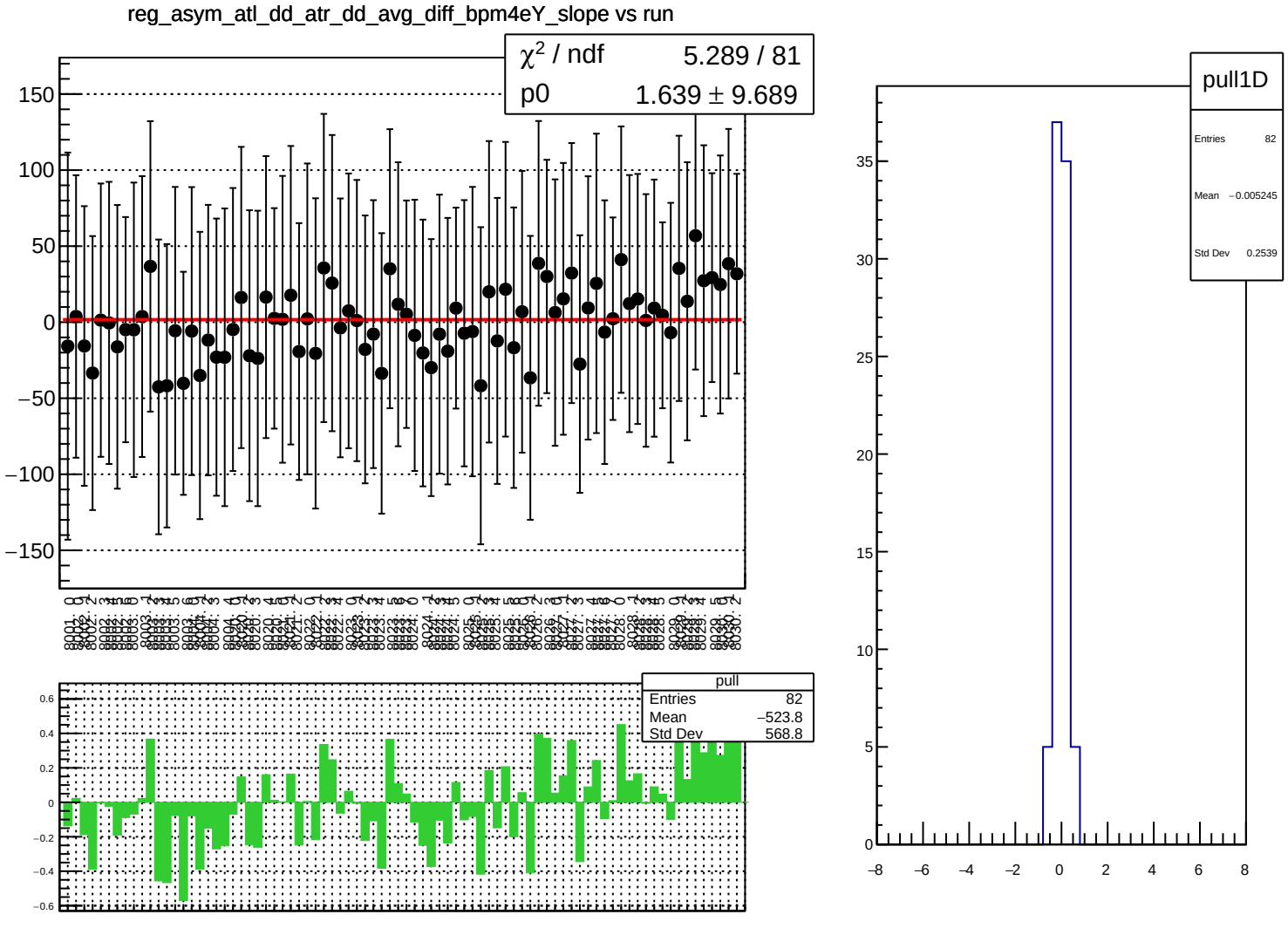

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 316.4 / 81
p0 100.6 ± 0.3407
pull
Entries 82
Mean 95.28
Std Dev 54.56
pull1D
Entries 82
Mean 0.5866
Std Dev 1.875

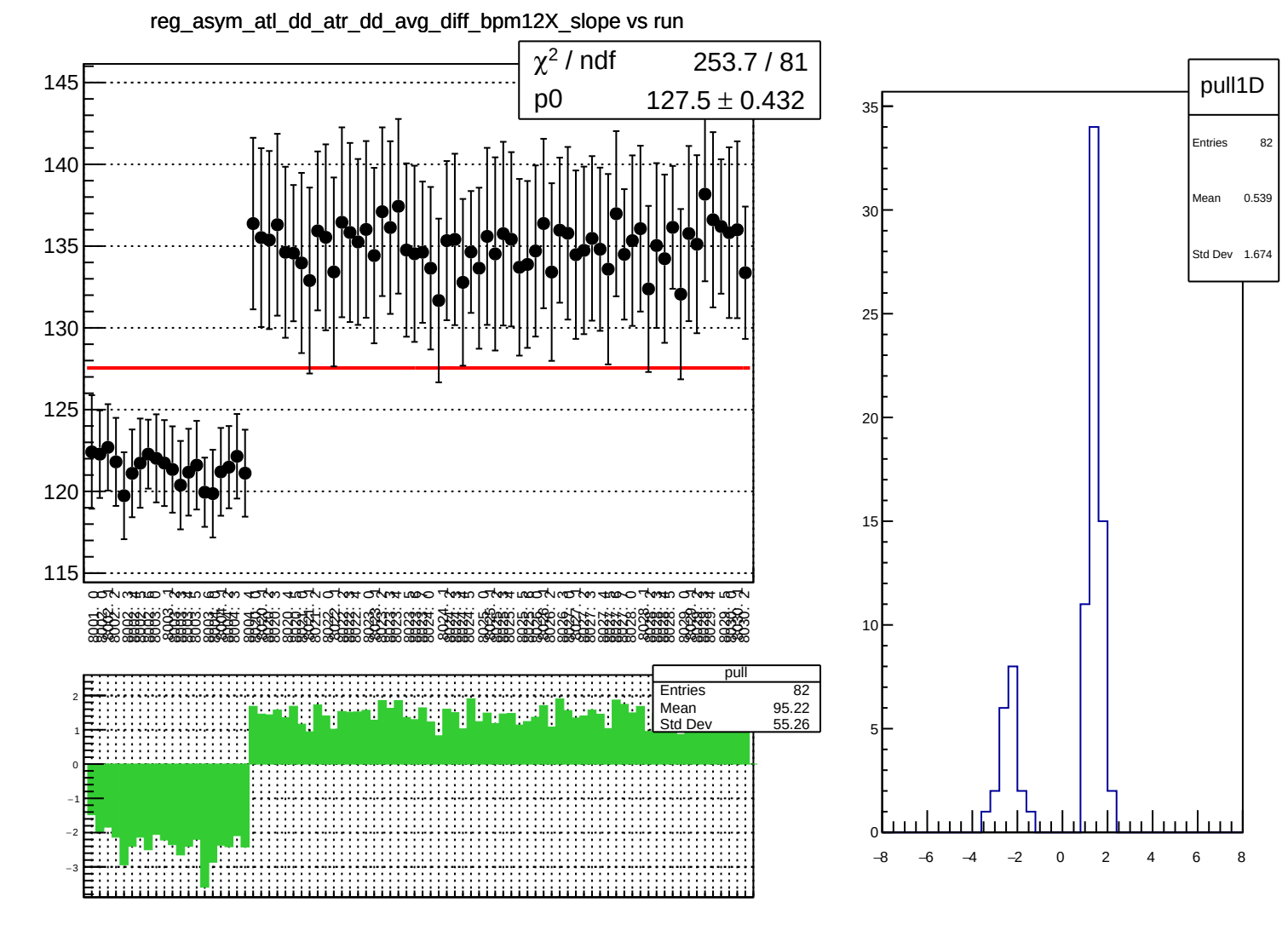

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 64.79 / 81
p0 218.4 ± 5.744
pull
Entries 82
Mean −65.47
Std Dev 97.87
pull1D
Entries 82
Mean −0.145
Std Dev 0.877

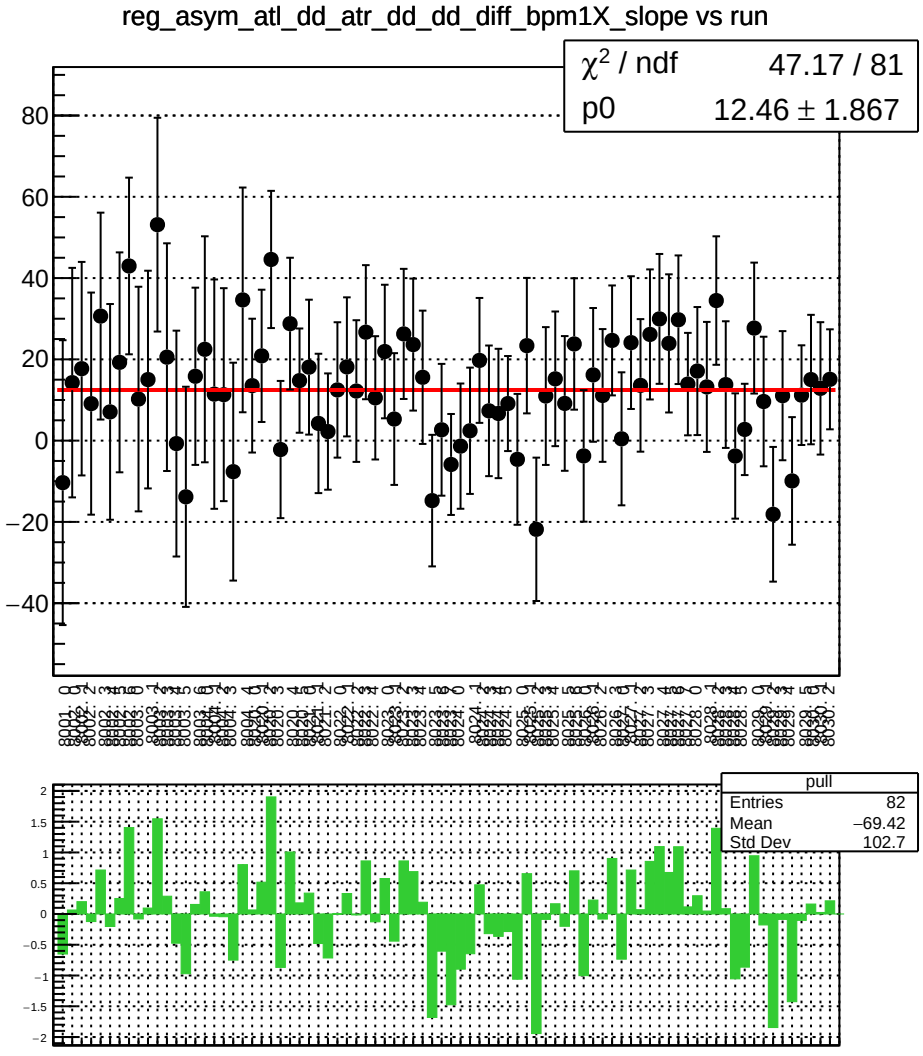

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.712 / 81
p0 −59.4 ± 9.009
pull
Entries 82
Mean −1273
Std Dev 1317

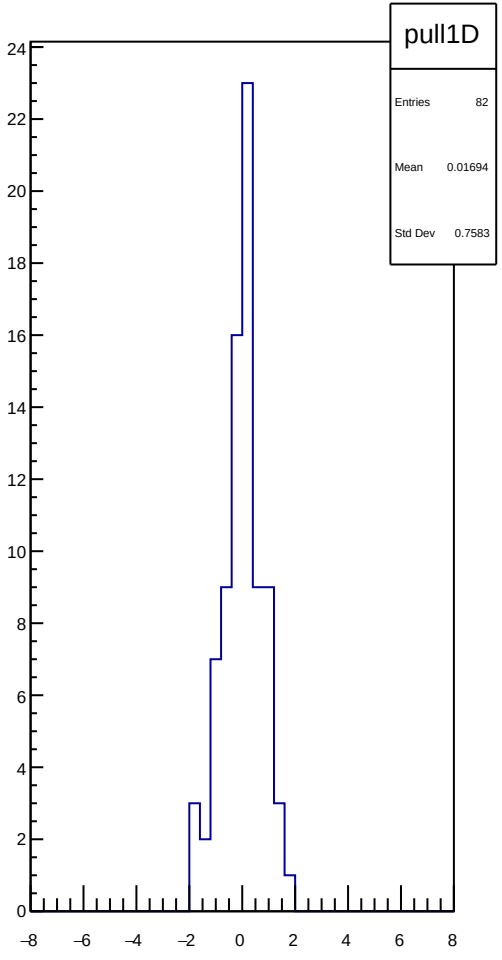

pull1D
Entries 82
Mean 0.002519
Std Dev 0.2639

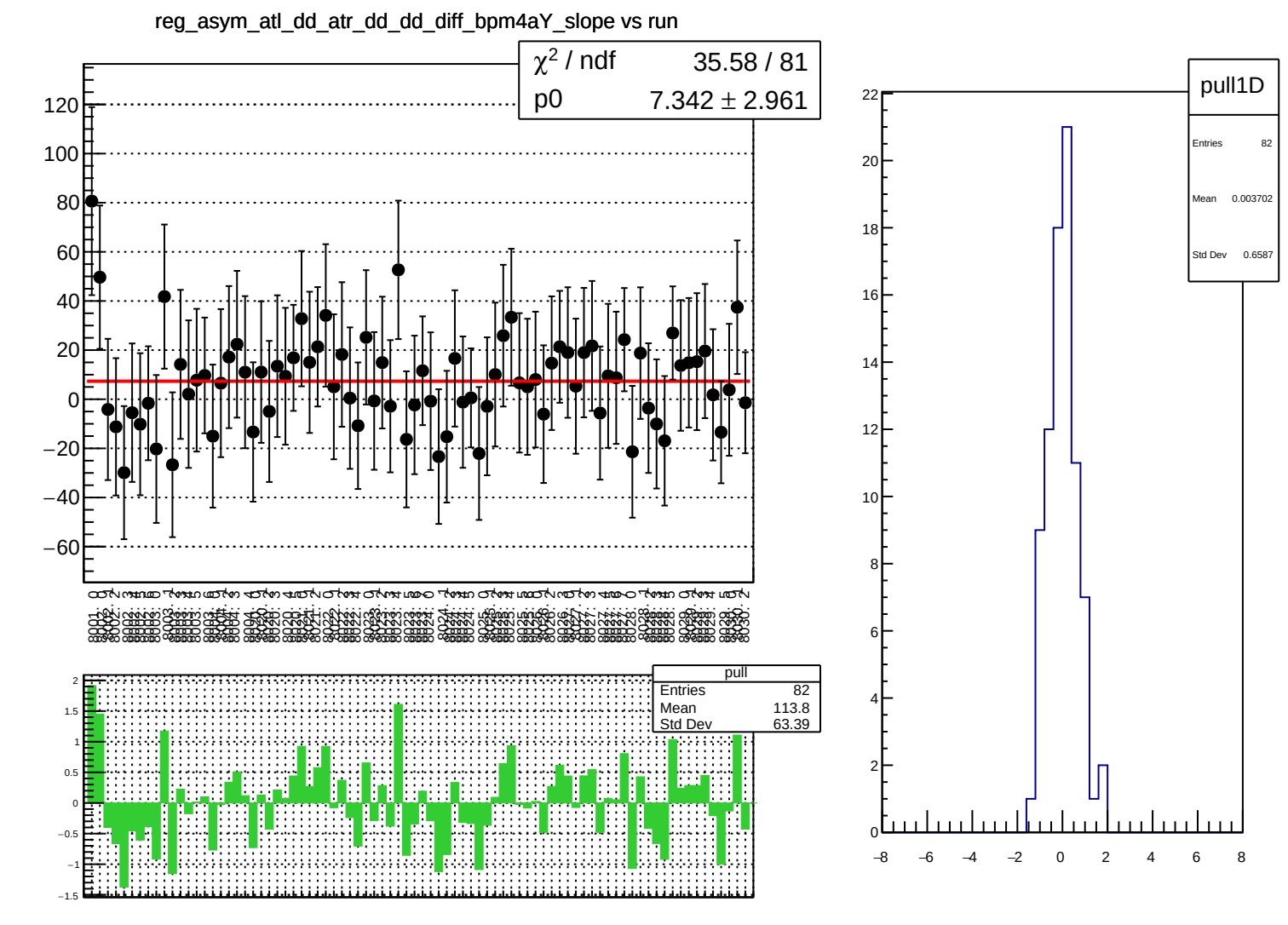

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.33 / 81
p0 −188.1 ± 5.995
pull
Entries 82
Mean −108.3
Std Dev 142.2
pull1D
Entries 82
Mean 0.07546
Std Dev 0.652

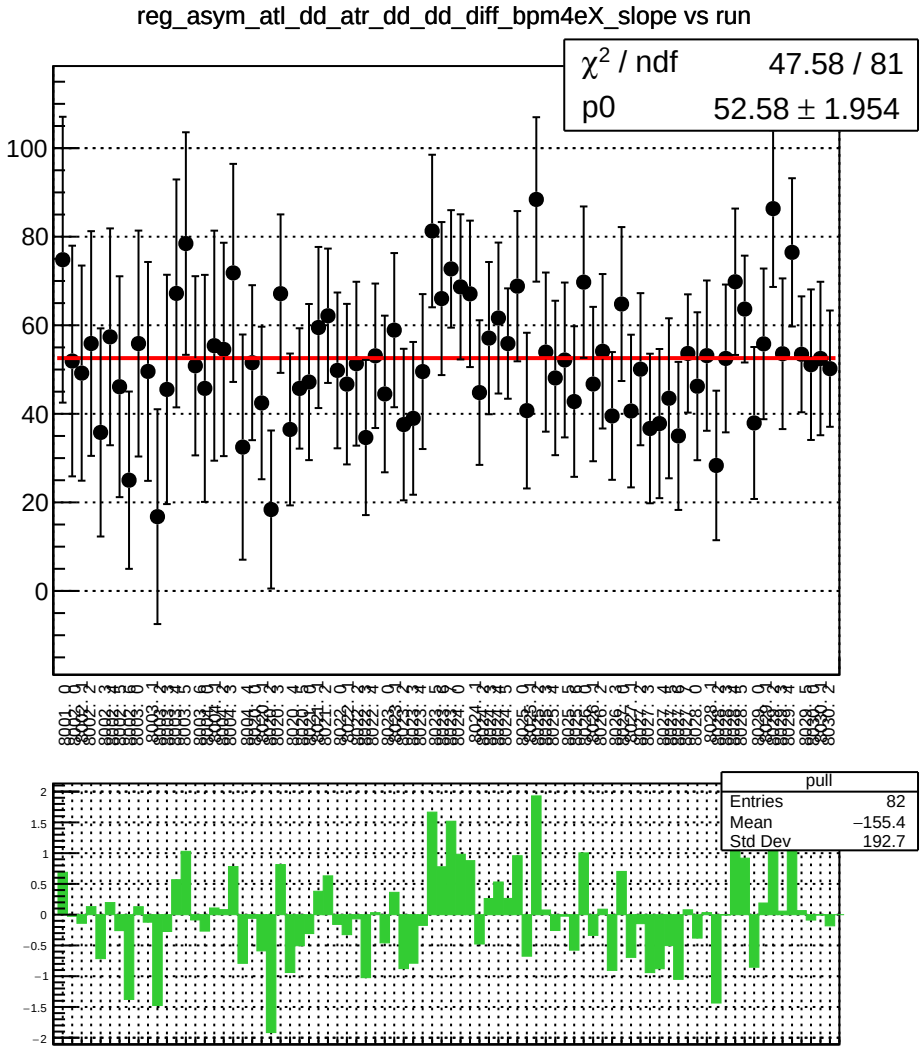

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.289 / 81
p0 1.639 ± 9.689
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −523.8
Std Dev 568.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean −0.005245
Std Dev 0.2539
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

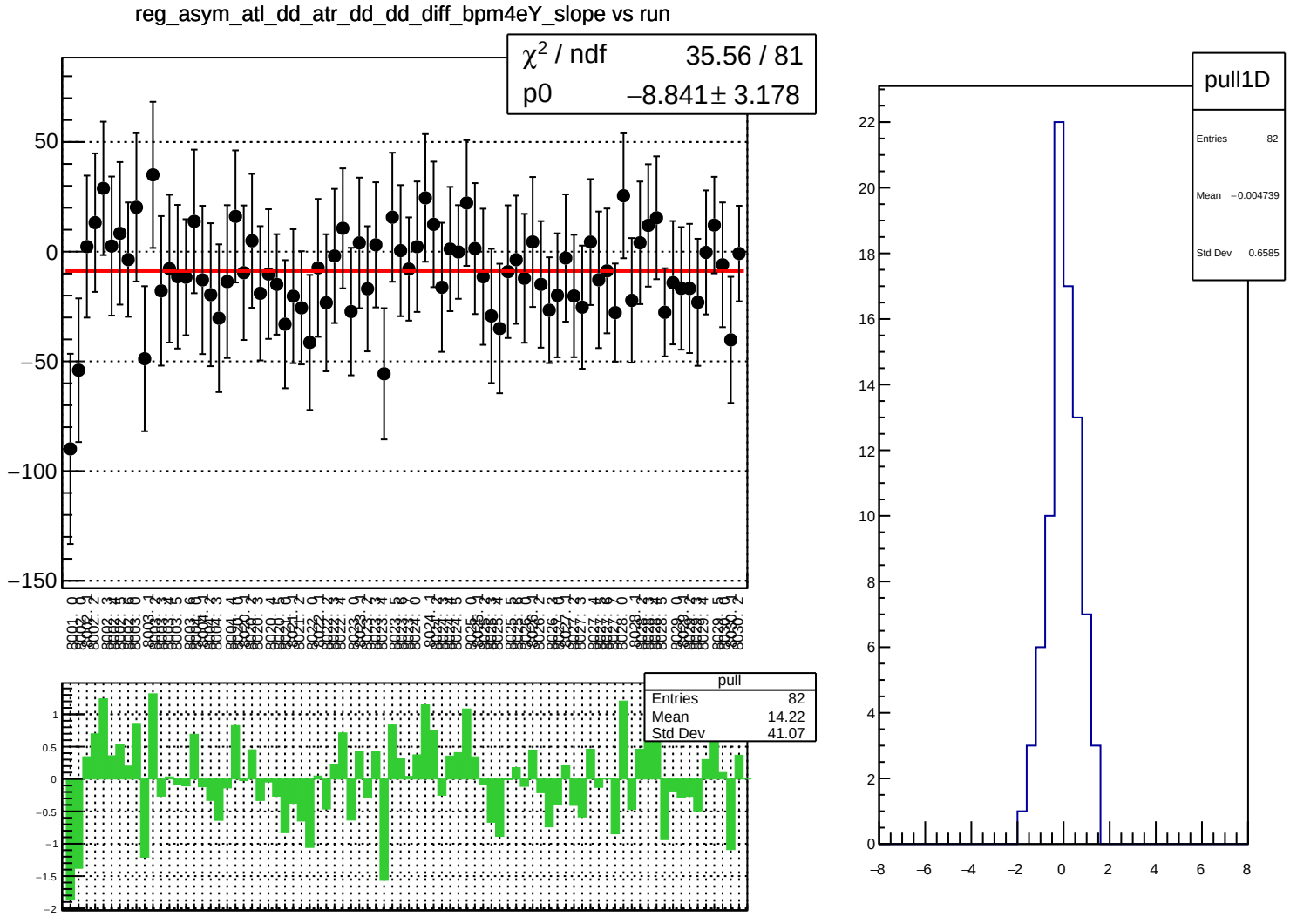

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 253.7 / 81
p0 127.5 ± 0.432
pull
Entries 82
Mean 95.22
Std Dev 55.26
pull1D
Entries 82
Mean 0.539
Std Dev 1.674

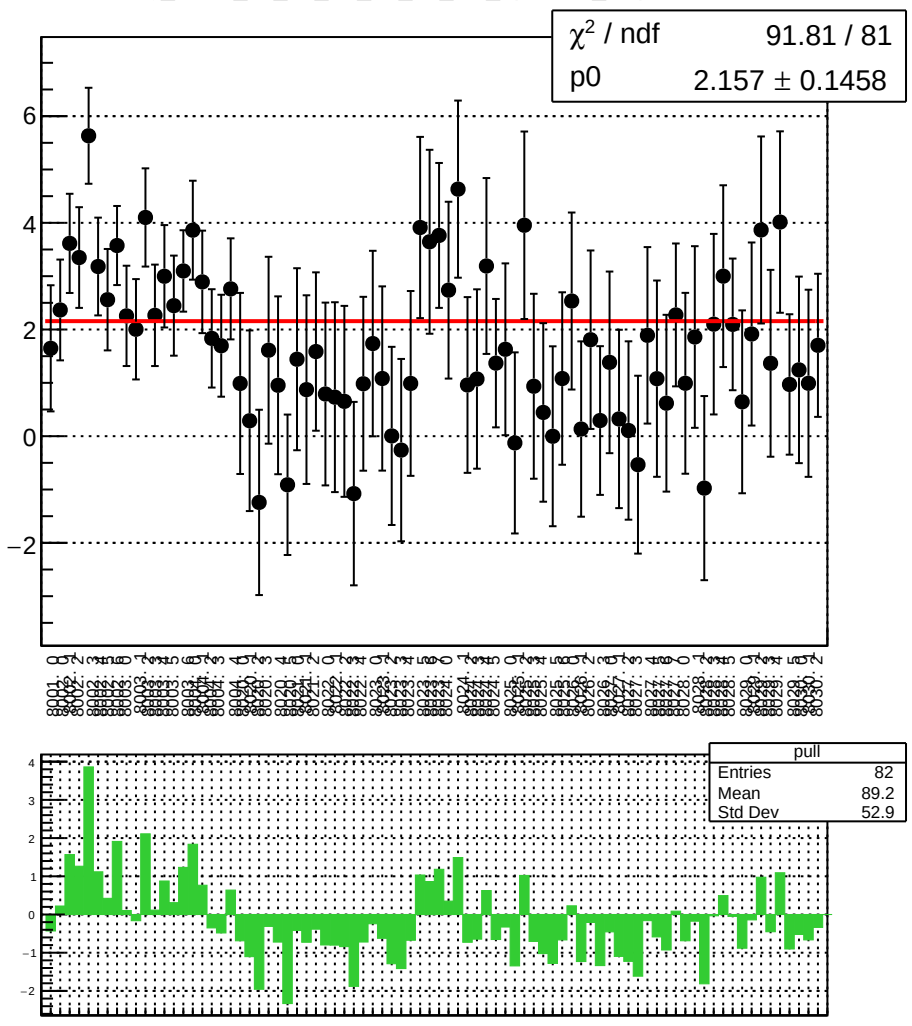

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 47.17 / 81
p0 12.46 ± 1.867
pull
Entries 82
Mean −69.42
Std Dev 102.7

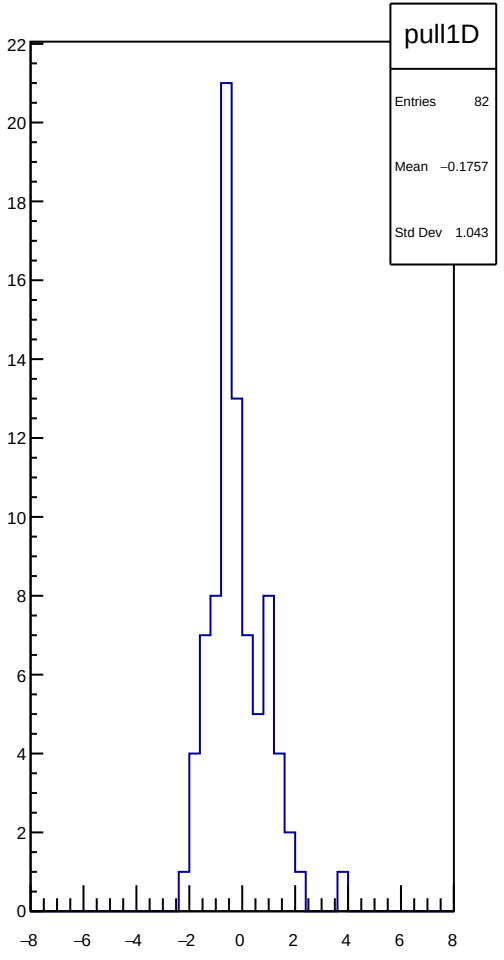

pull1D
Entries 82
Mean 0.01694
Std Dev 0.7583

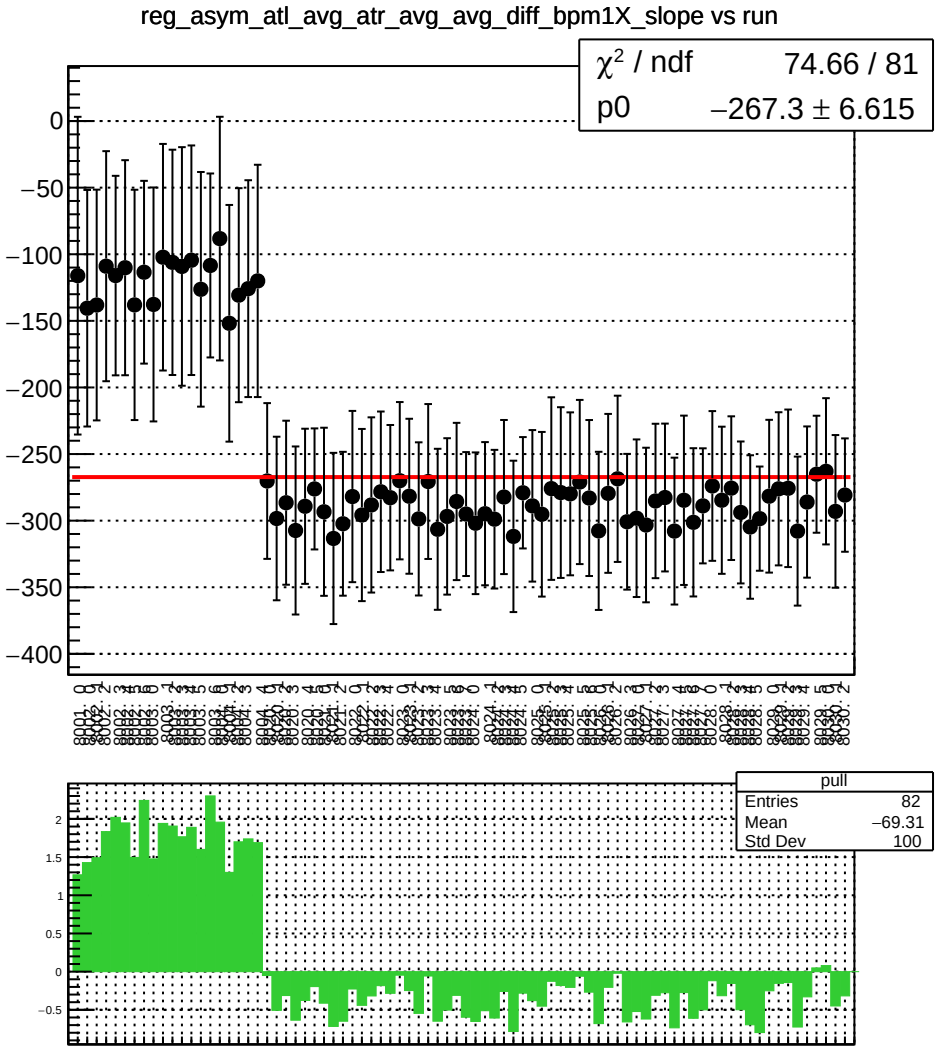

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.58 / 81
p0 7.342 ± 2.961
pull
Entries 82
Mean 113.8
Std Dev 63.39
pull1D
Entries 82
Mean 0.003702
Std Dev 0.6587

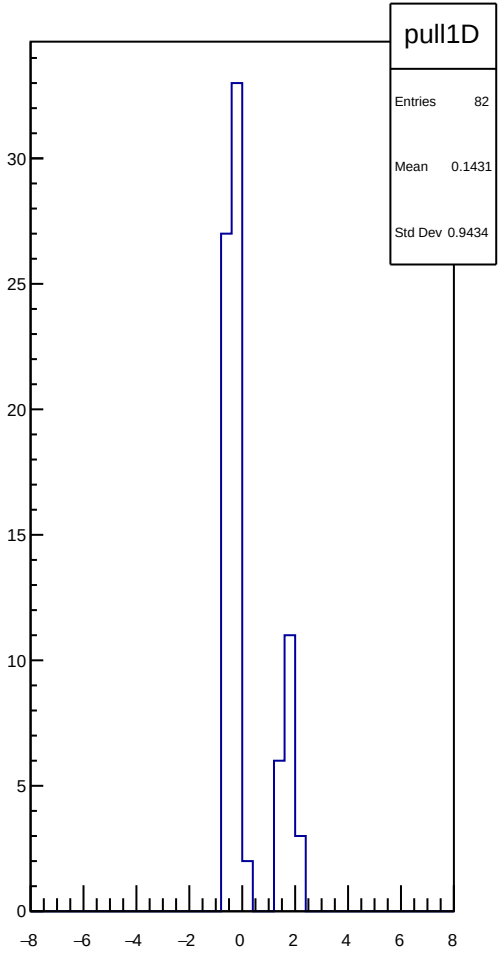

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.58 / 81
p0 52.58 ± 1.954
pull
Entries 82
Mean −155.4
Std Dev 192.7
pull1D
Entries 82
Mean −0.01011
Std Dev 0.7617

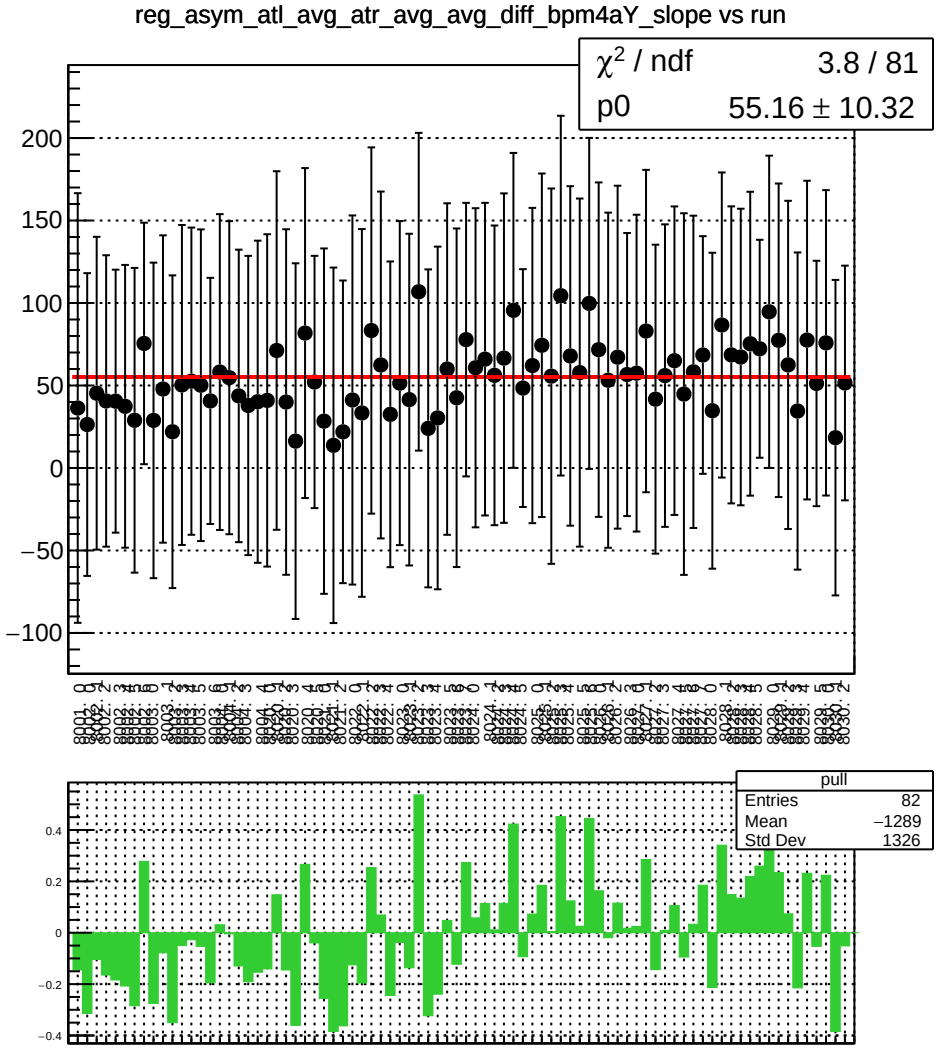

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.56 / 81
p0 −8.841 ± 3.178
pull
Entries 82
Mean 14.22
Std Dev 41.07
pull1D
Entries 82
Mean −0.004739
Std Dev 0.6585

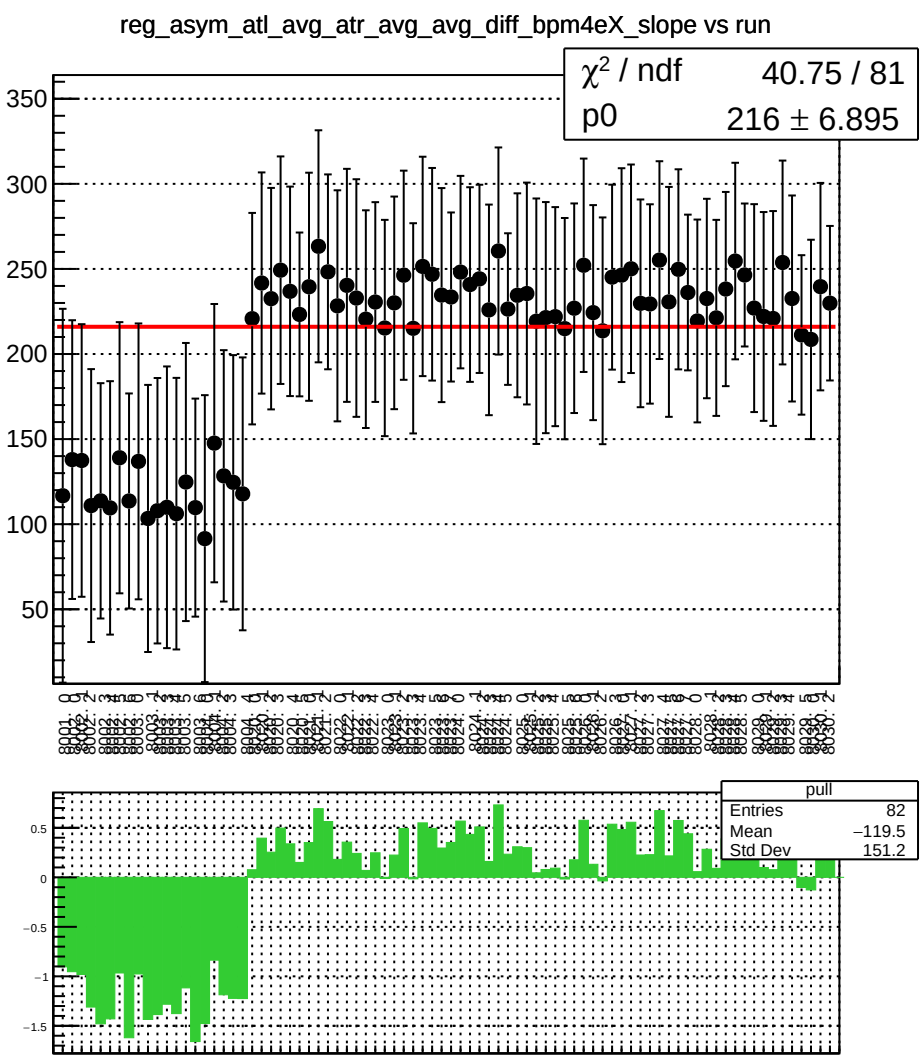

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 91.81 / 81
p0 2.157 ± 0.1458
pull
Entries 82
Mean 89.2
Std Dev 52.9

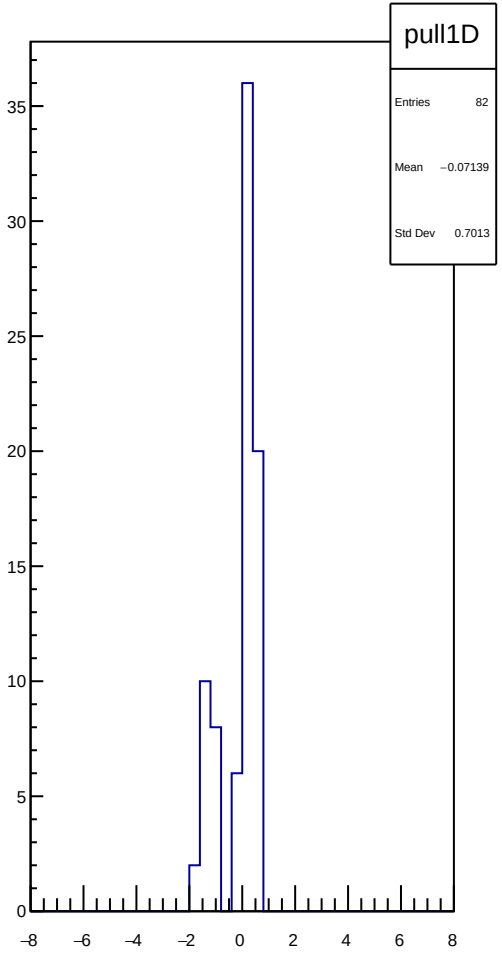

pull1D
Entries 82
Mean −0.1757
Std Dev 1.043

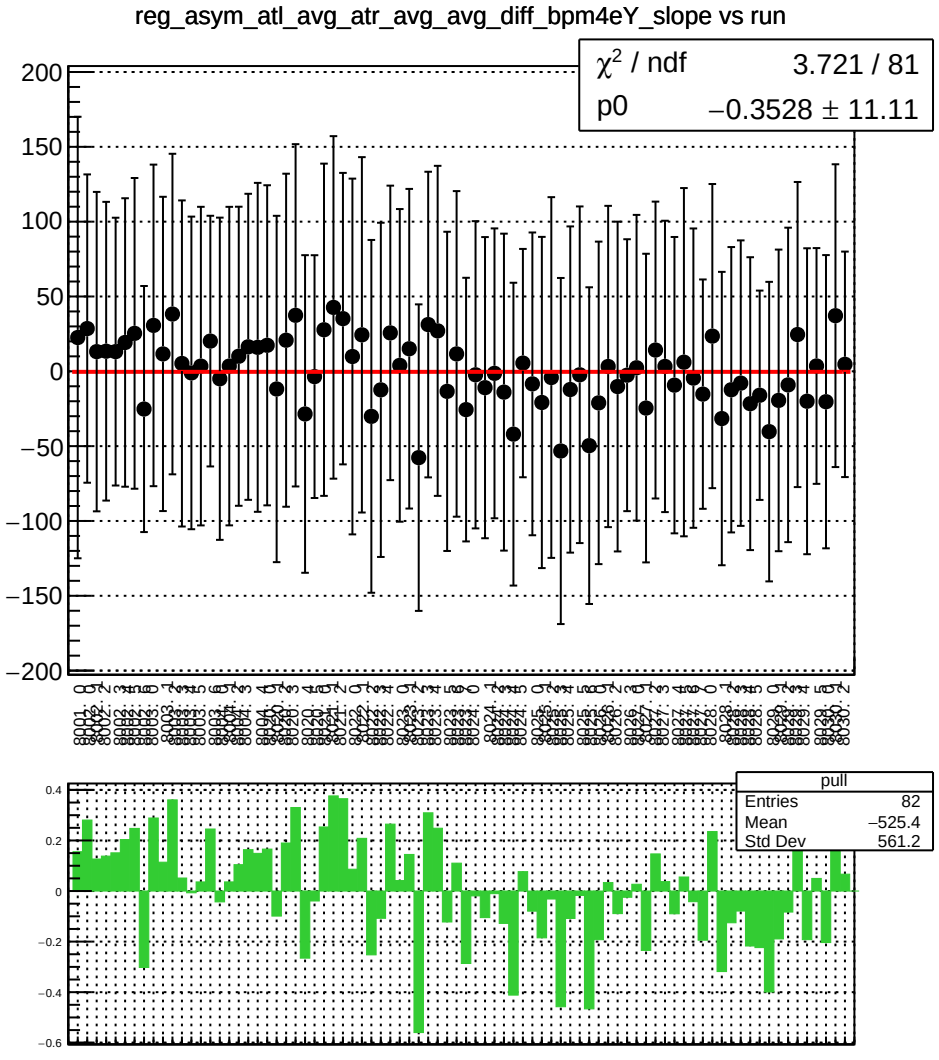

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 74.66 / 81
p0 −267.3 ± 6.615
pull
Entries 82
Mean −69.31
Std Dev 100

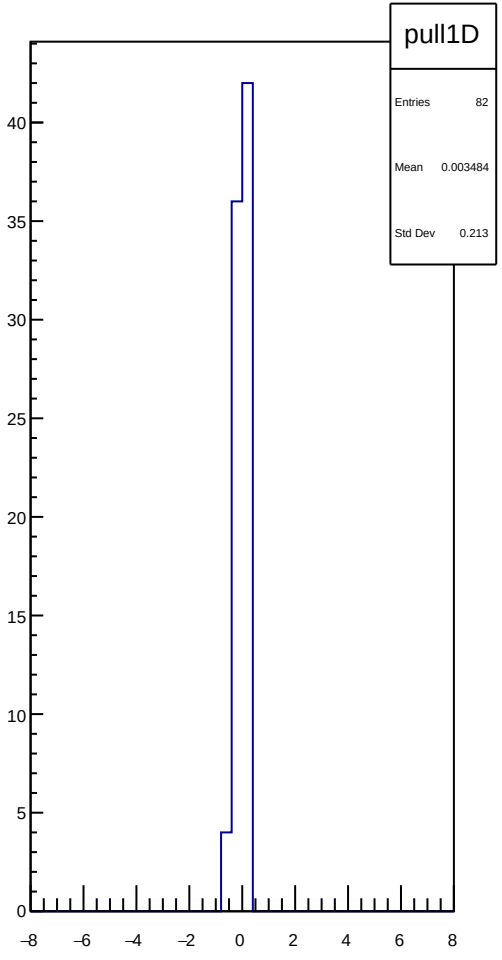

pull1D
Entries 82
Mean 0.1431
Std Dev 0.9434

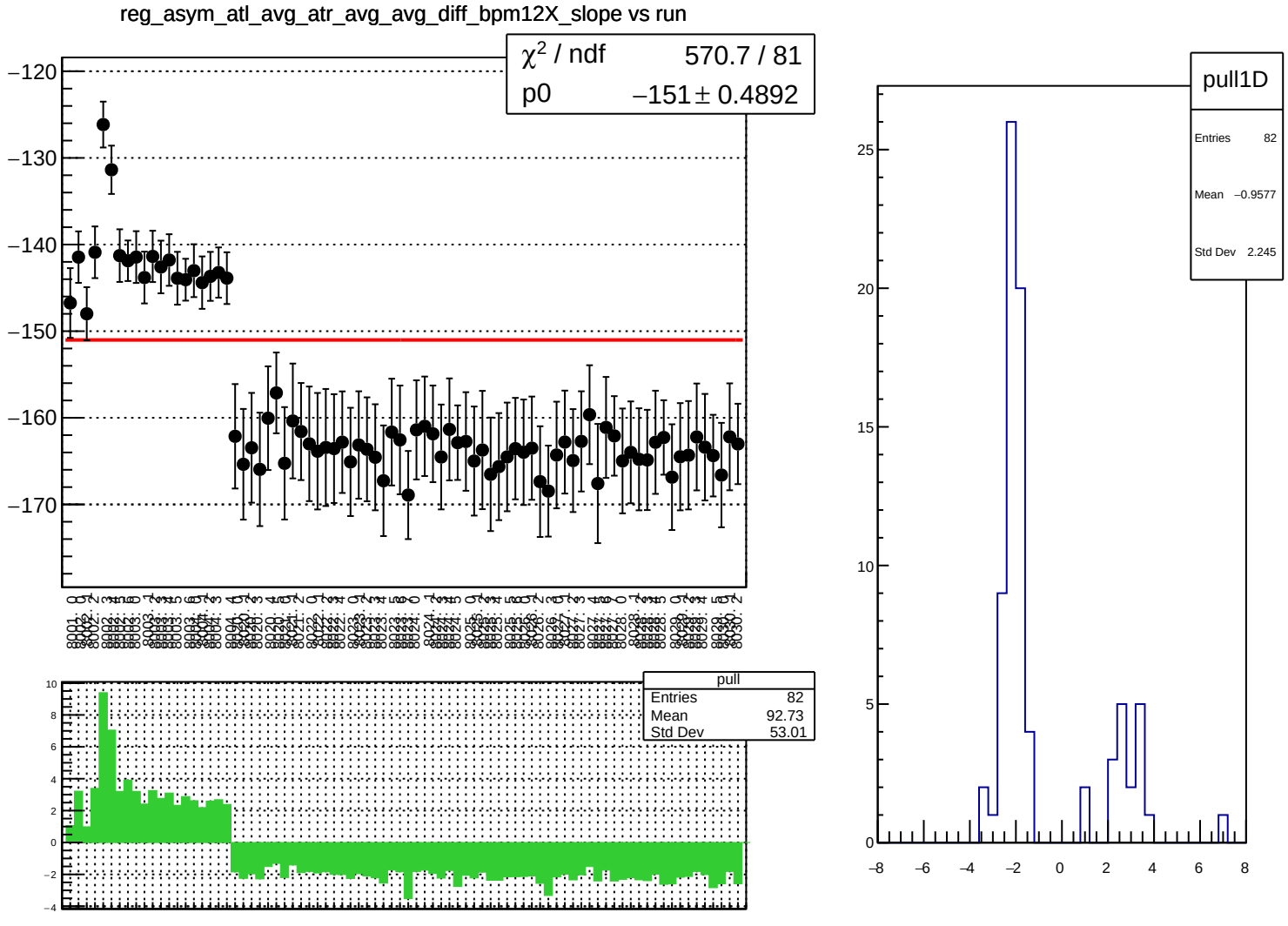

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.8 / 81
p0 55.16 ± 10.32
pull
Entries 82
Mean −1289
Std Dev 1326
pull1D
Entries 82
Mean −0.001621
Std Dev 0.2153

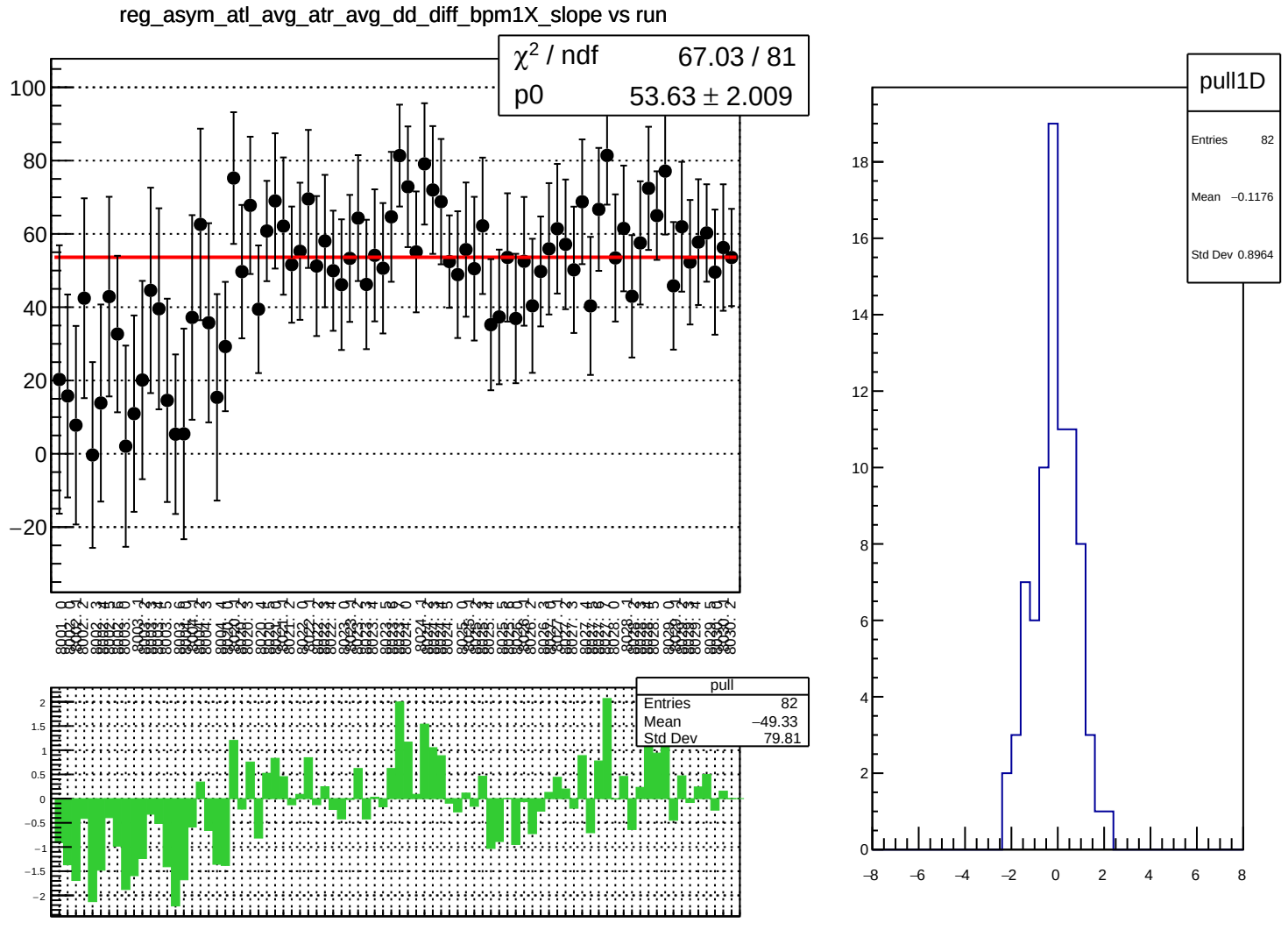

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.75 / 81
p0 216 ± 6.895
pull
Entries 82
Mean −119.5
Std Dev 151.2

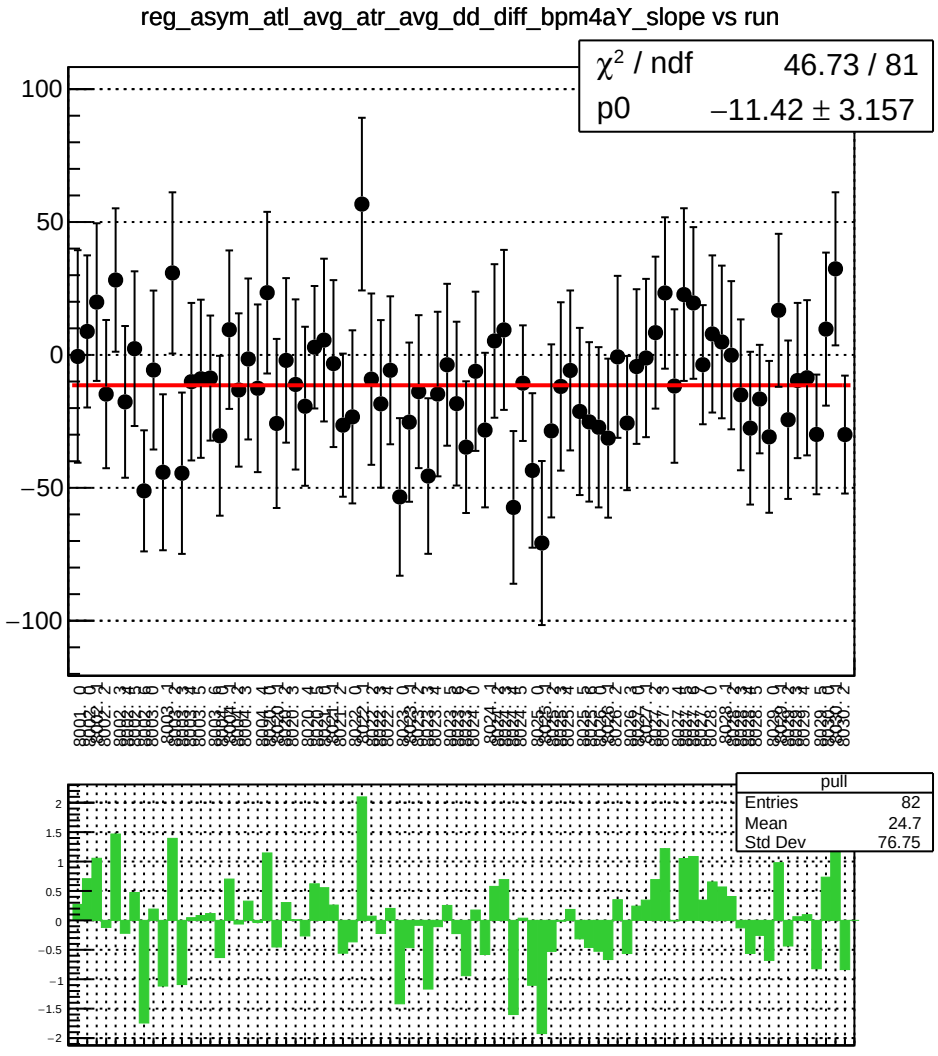

pull1D
Entries 82
Mean −0.07139
Std Dev 0.7013

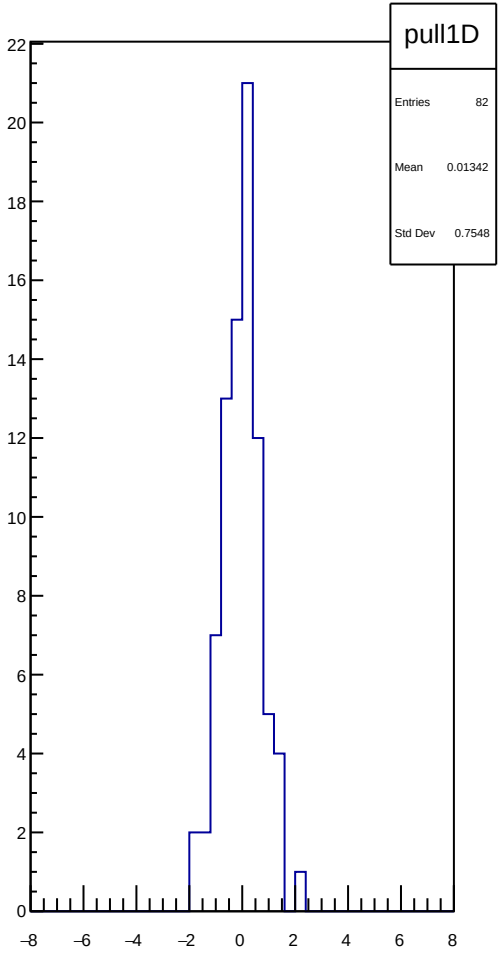

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.721 / 81
p0 −0.3528 ± 11.11
pull
Entries 82
Mean −525.4
Std Dev 561.2

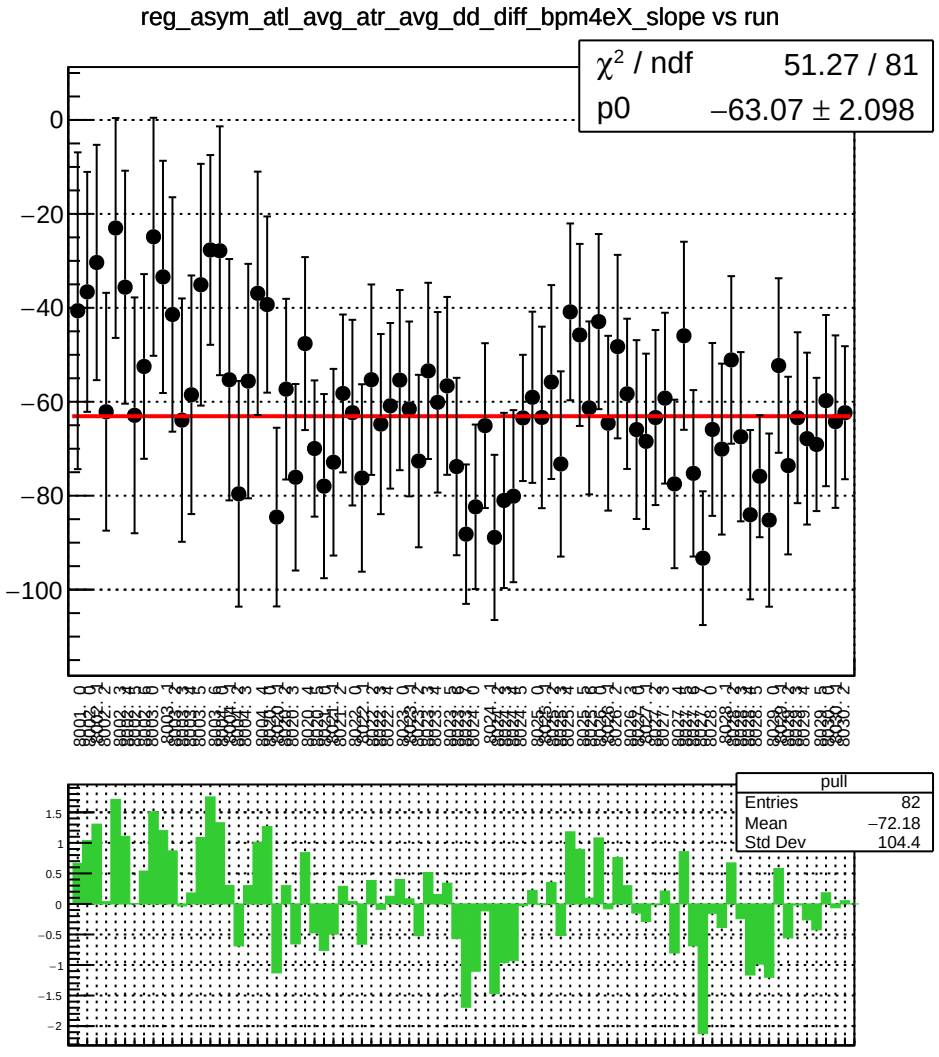

pull1D
Entries 82
Mean 0.003484
Std Dev 0.213

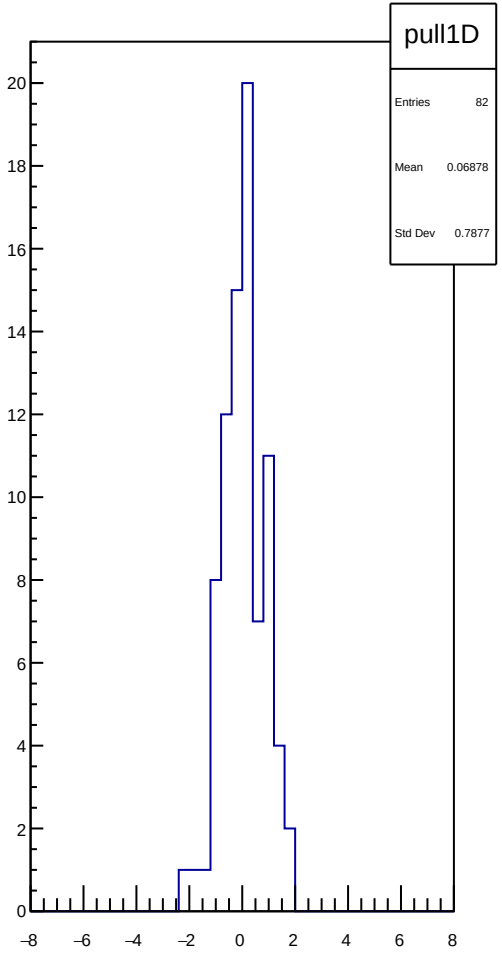

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 570.7 / 81
p0 −151 ± 0.4892
−120
−130
−140
−150
−160
−170
pull
Entries 82
Mean 92.73
Std Dev 53.01
pull1D
Entries 82
Mean −0.9577
Std Dev 2.245

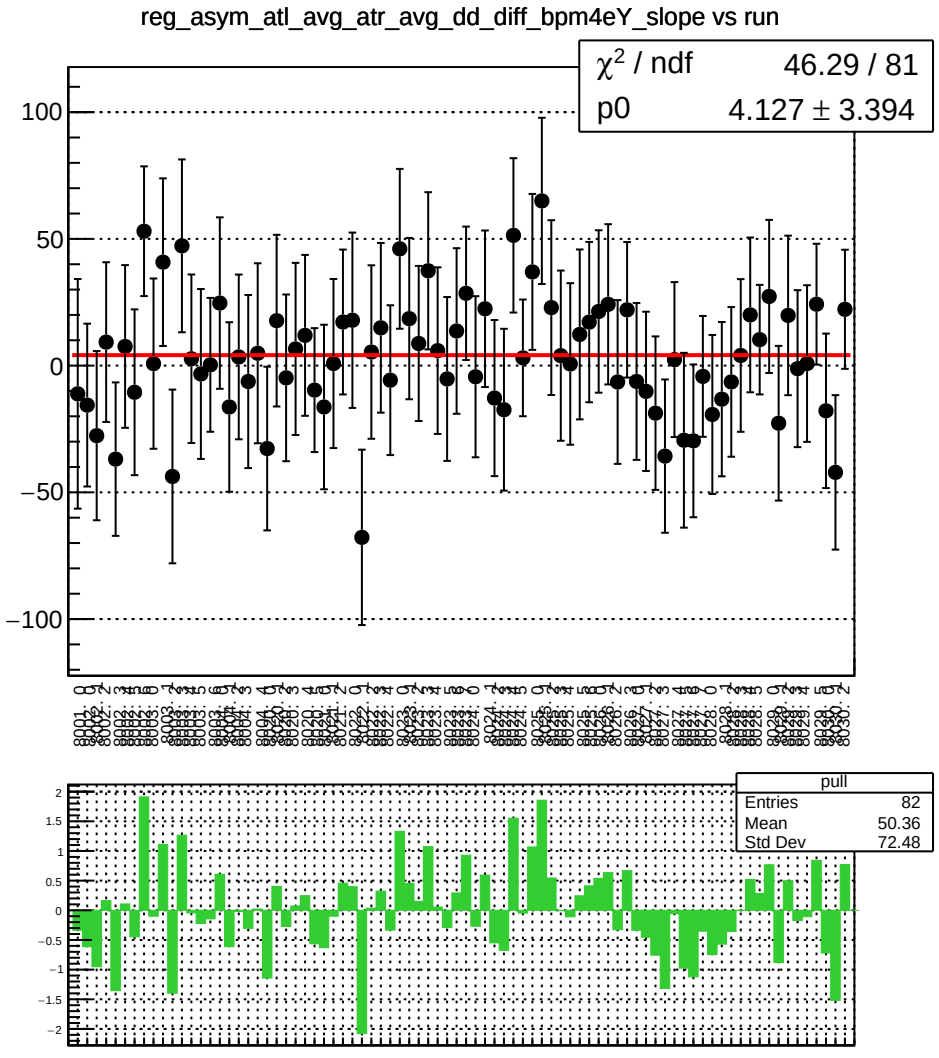

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 67.03 / 81
p0 53.63 ± 2.009
pull
Entries 82
Mean −49.33
Std Dev 79.81
pull1D
Entries 82
Mean −0.1176
Std Dev 0.8964

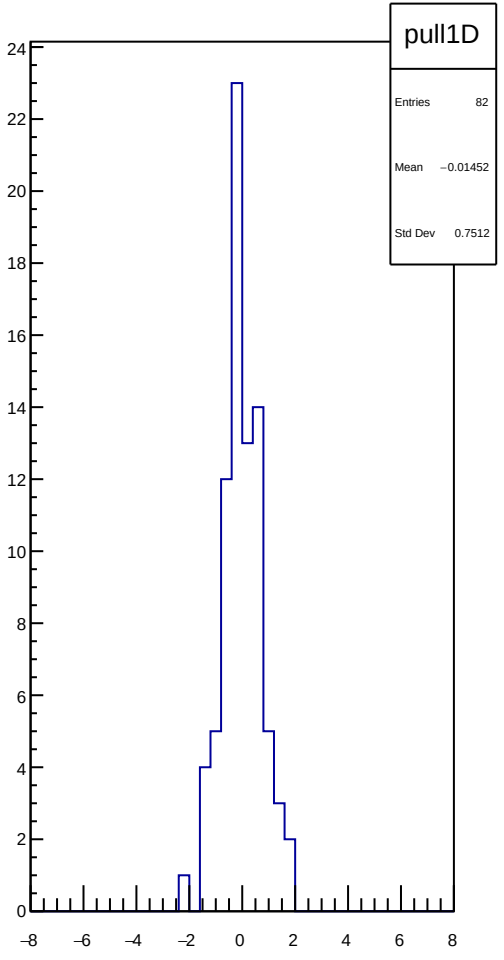

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.73 / 81
p0 −11.42 ± 3.157
pull
Entries 82
Mean 24.7
Std Dev 76.75

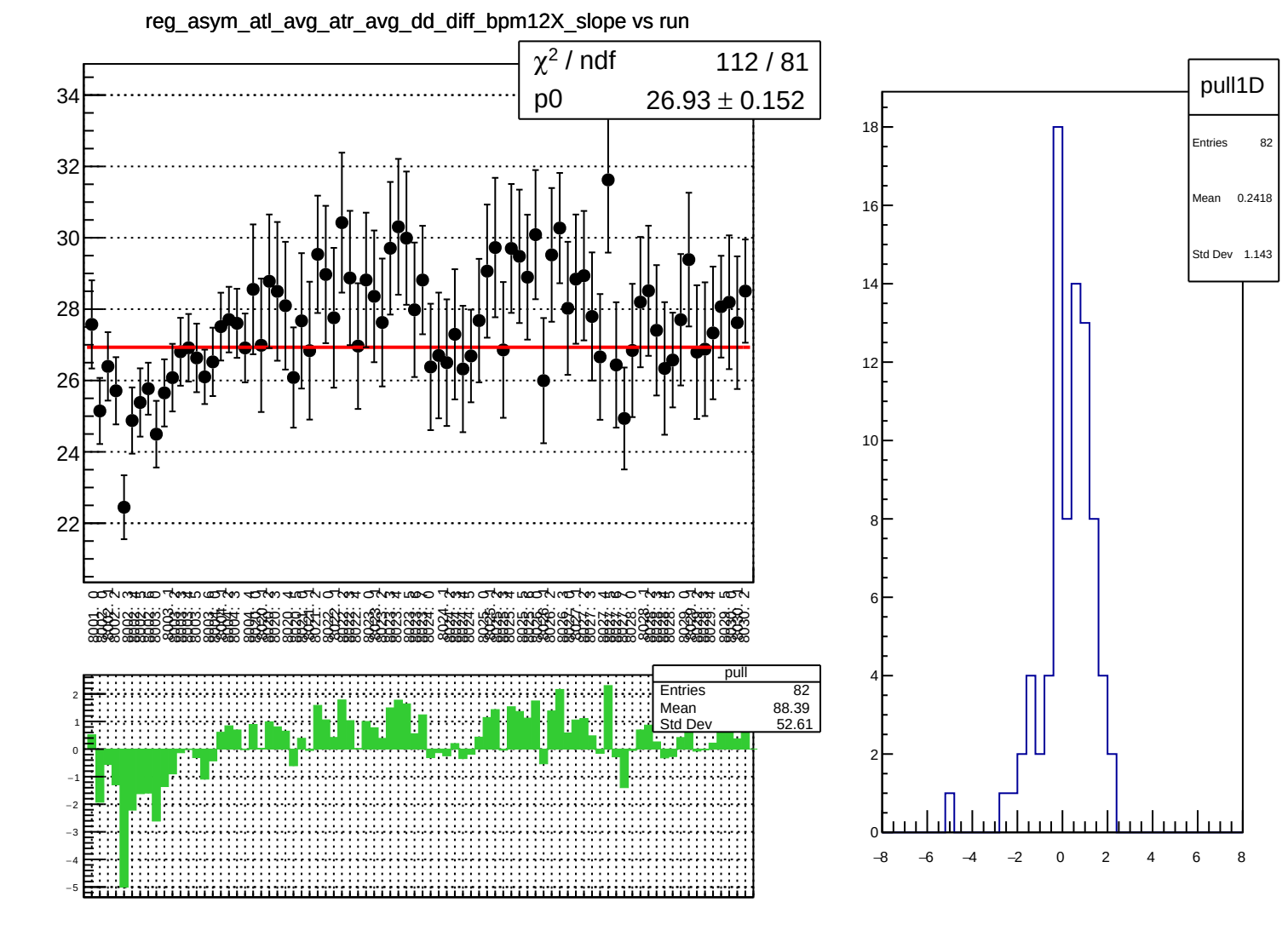

pull1D
Entries 82
Mean 0.01342
Std Dev 0.7548

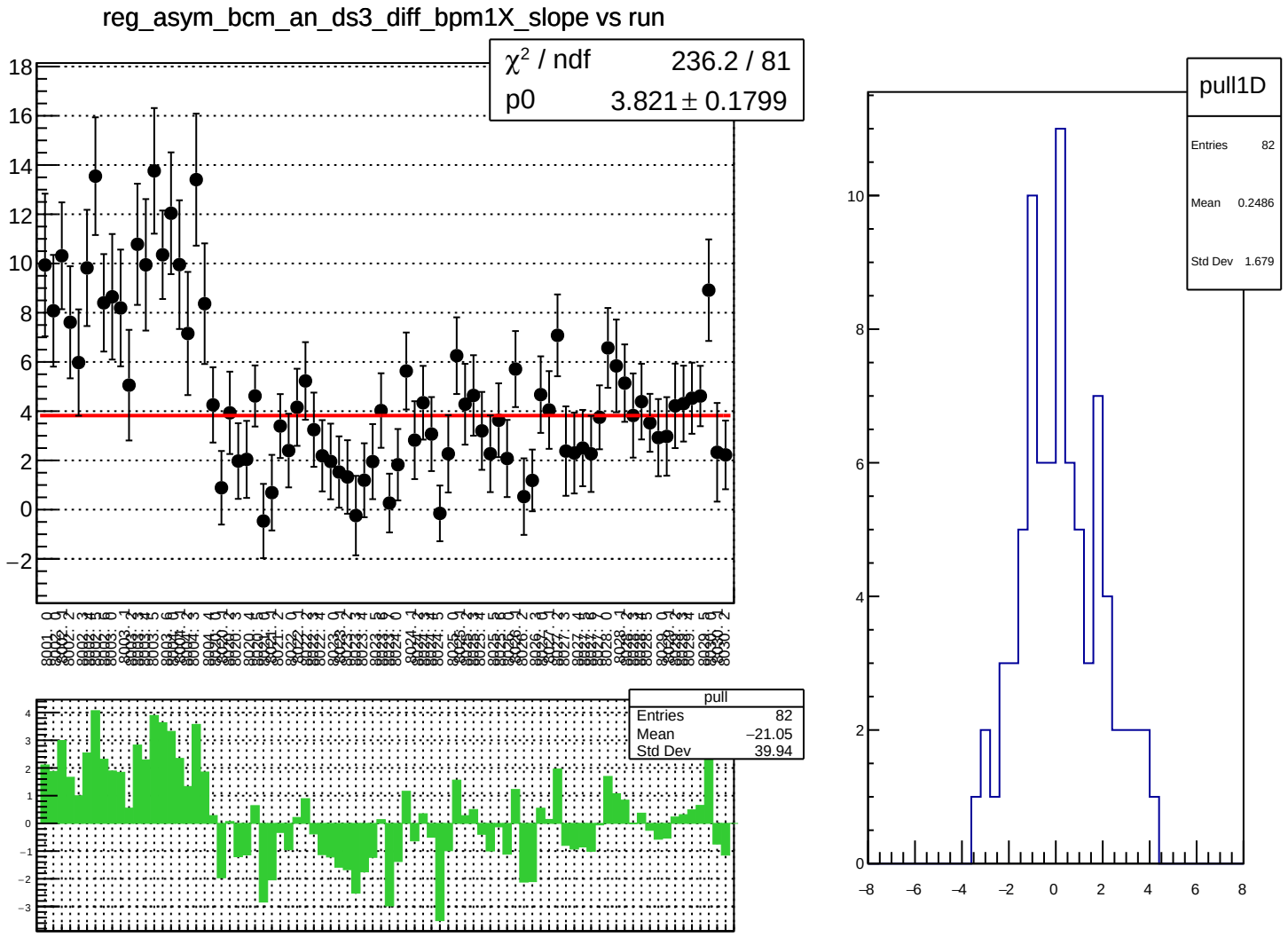

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.27 / 81
p0 −63.07 ± 2.098
pull
Entries 82
Mean −72.18
Std Dev 104.4

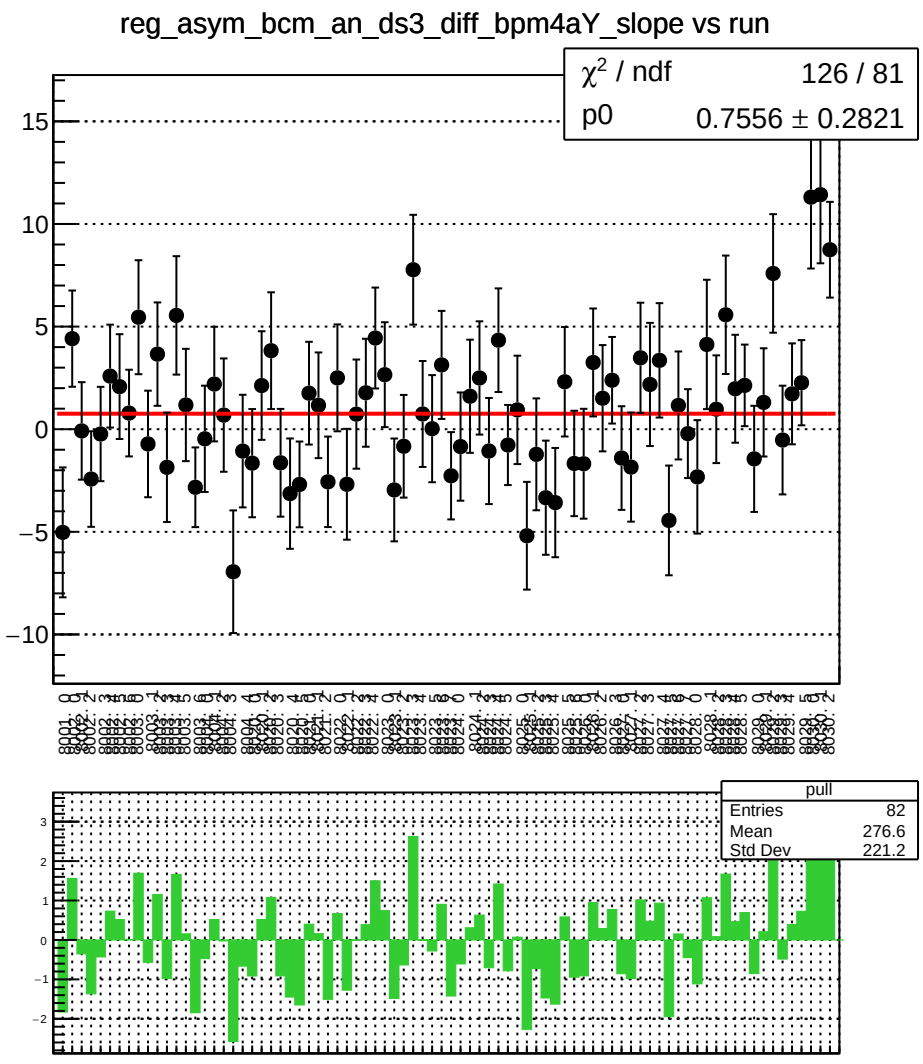

pull1D
Entries 82
Mean 0.06878
Std Dev 0.7877

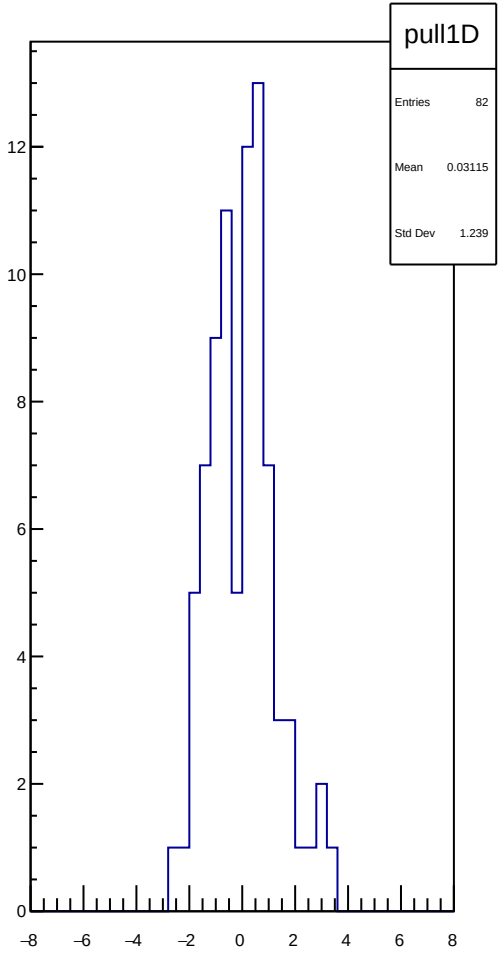

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.29 / 81
p0 4.127 ± 3.394
pull
Entries 82
Mean 50.36
Std Dev 72.48

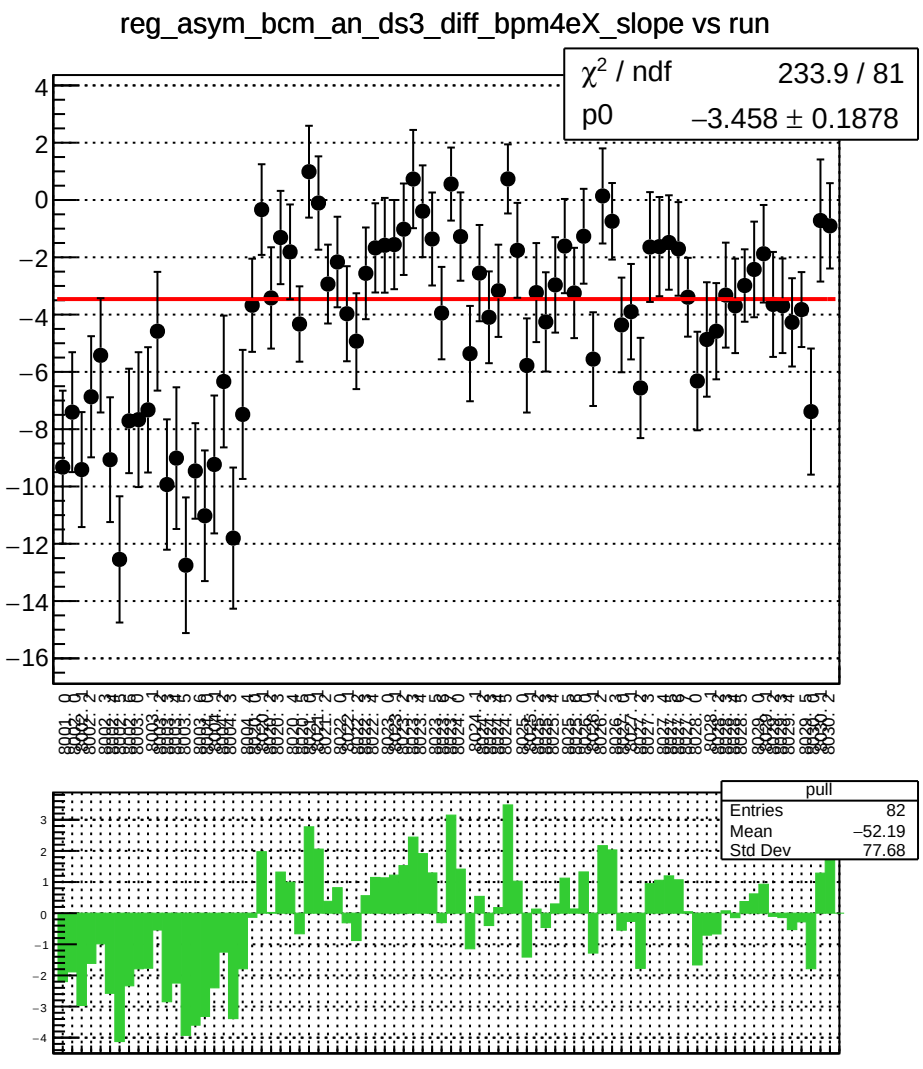

pull1D
Entries 82
Mean −0.01452
Std Dev 0.7512

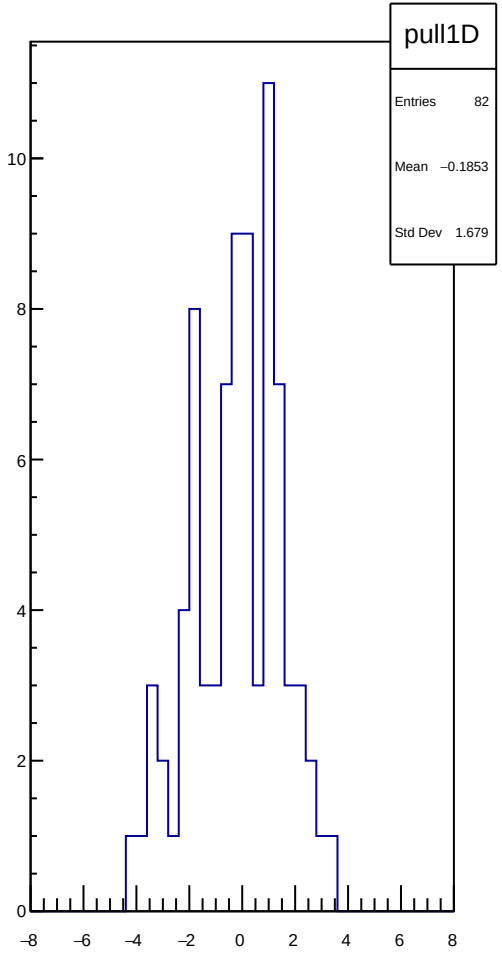

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 112 / 81
p0 26.93 ± 0.152
pull
Entries 82
Mean 88.39
Std Dev 52.61
pull1D
Entries 82
Mean 0.2418
Std Dev 1.143

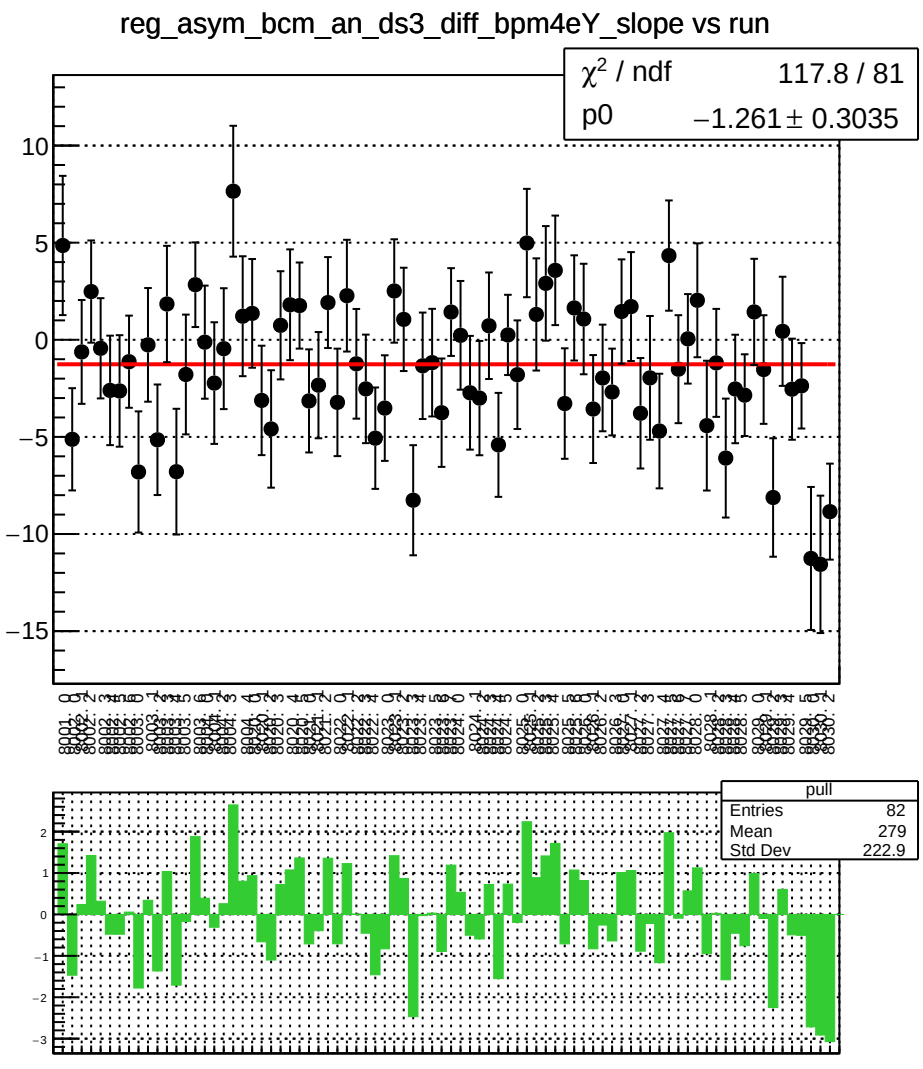

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 236.2 / 81
p0 3.821 ± 0.1799
pull
Entries 82
Mean −21.05
Std Dev 39.94
pull1D
Entries 82
Mean 0.2486
Std Dev 1.679

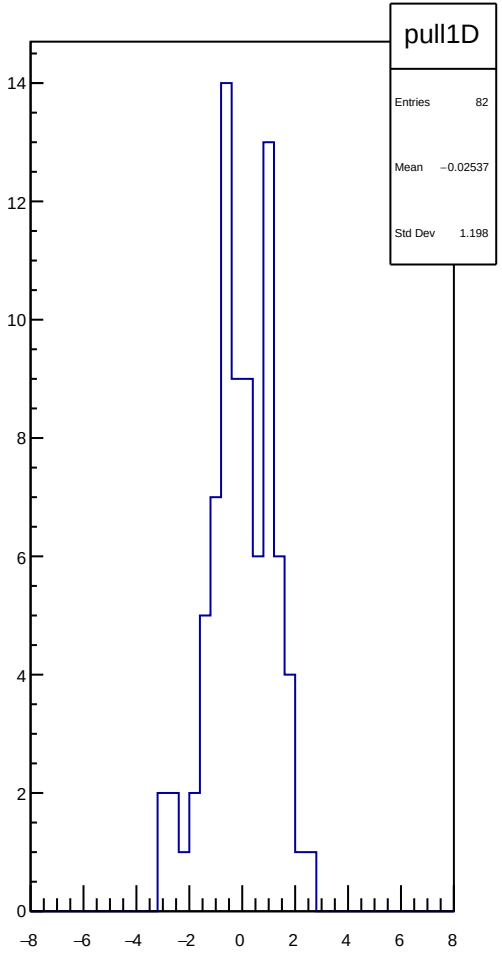

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 126 / 81
p0 0.7556 ± 0.2821
pull
Entries 82
Mean 276.6
Std Dev 221.2

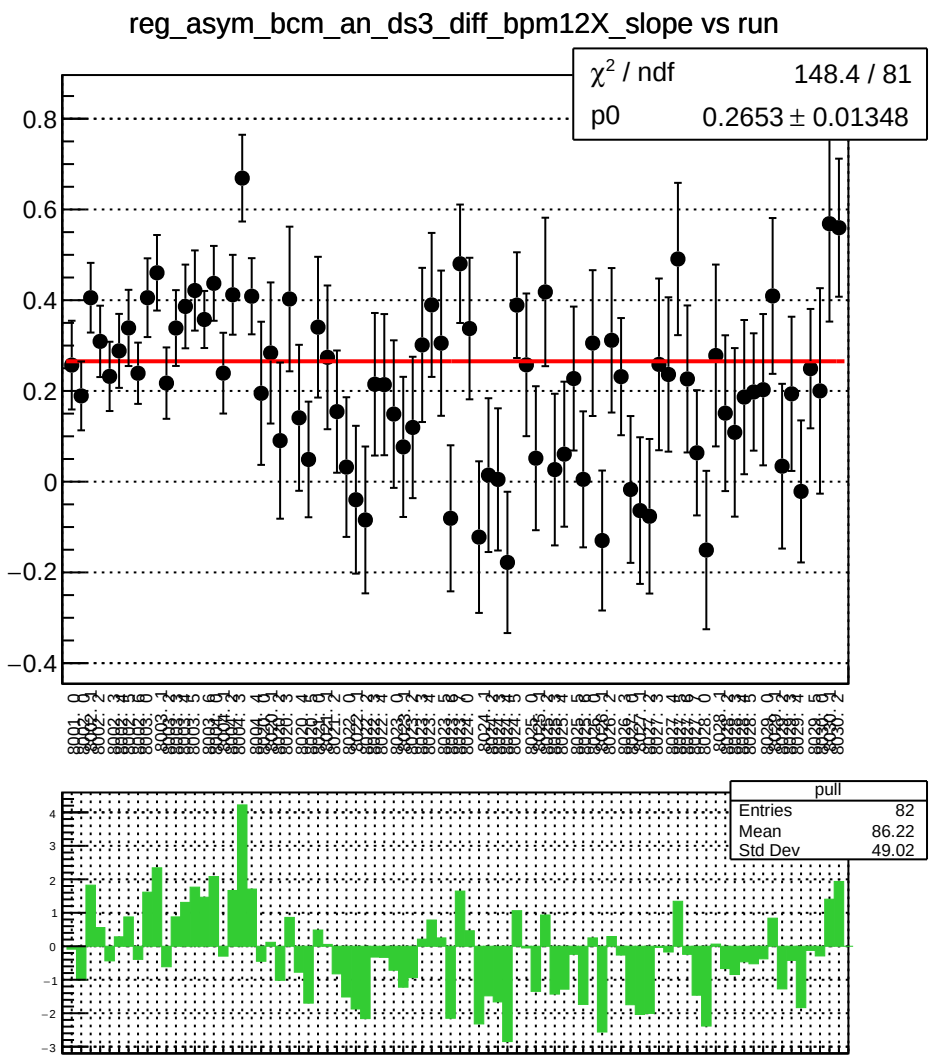

pull1D
Entries 82
Mean 0.03115
Std Dev 1.239

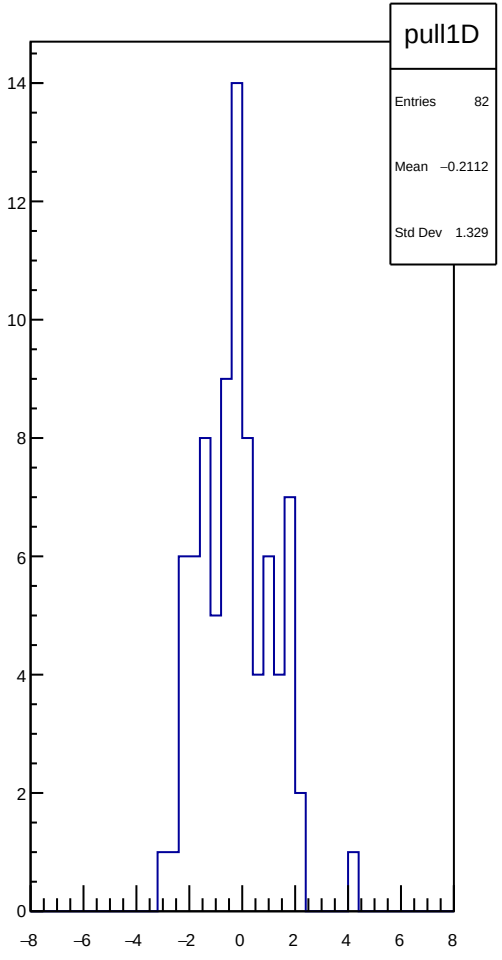

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 233.9 / 81
p0 −3.458 ± 0.1878
pull
Entries 82
Mean −52.19
Std Dev 77.68

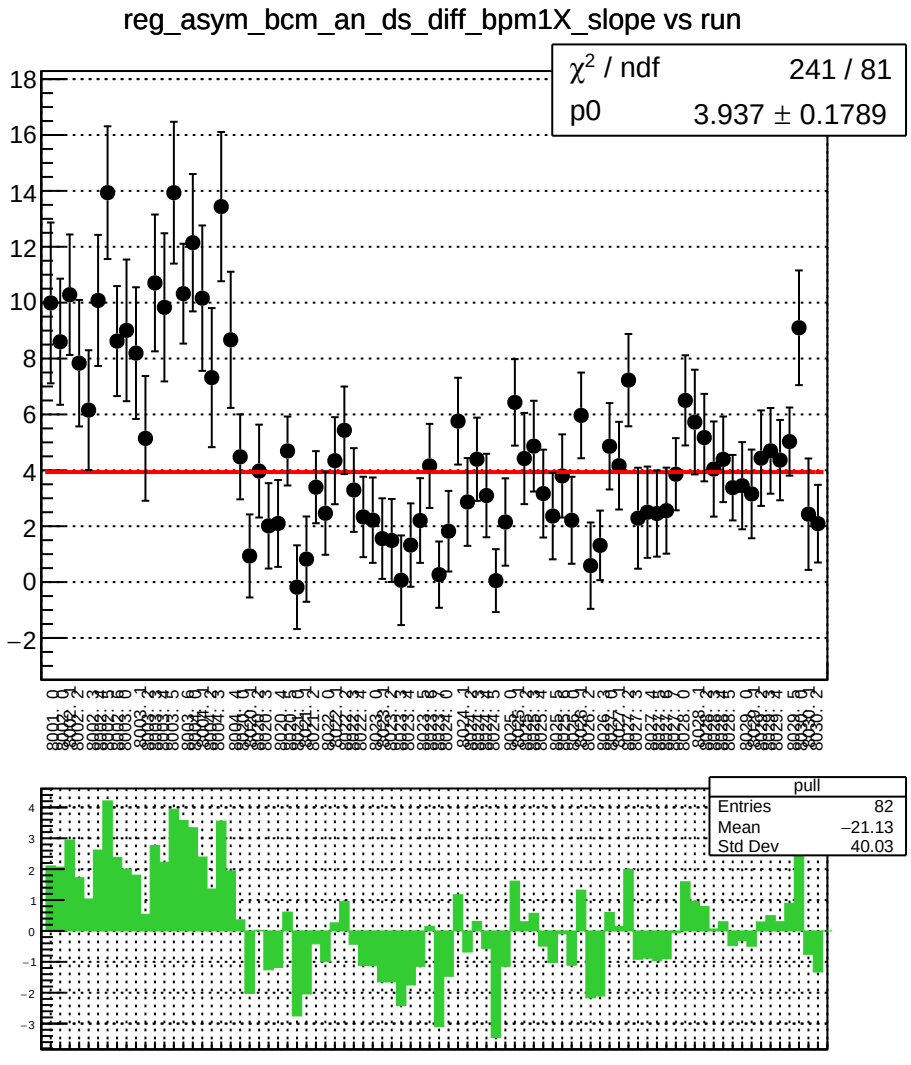

pull1D
Entries 82
Mean −0.1853
Std Dev 1.679

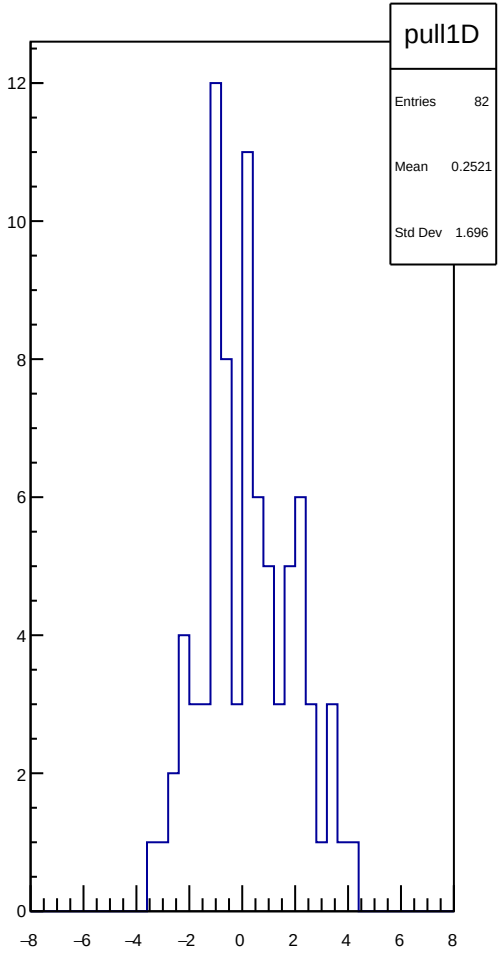

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 117.8 / 81
p0 −1.261 ± 0.3035
pull
Entries 82
Mean 279
Std Dev 222.9

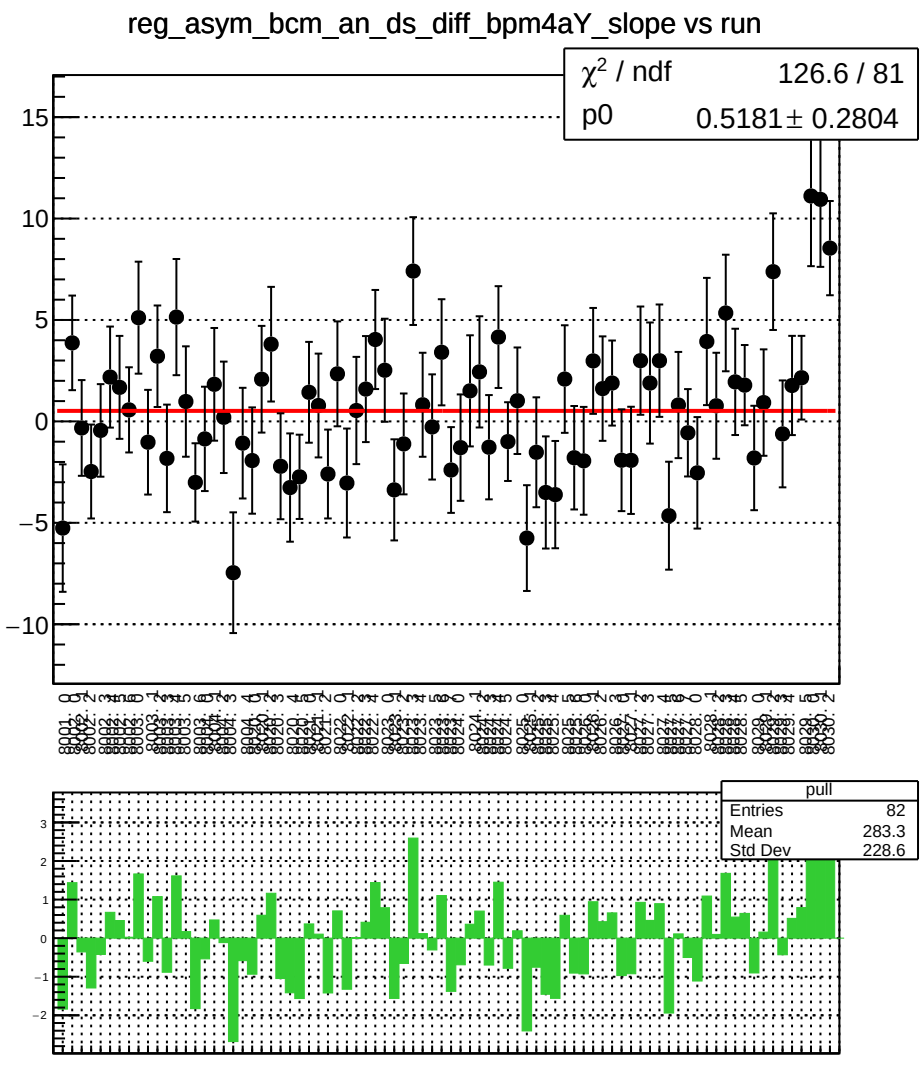

pull1D
Entries 82
Mean −0.02537
Std Dev 1.198

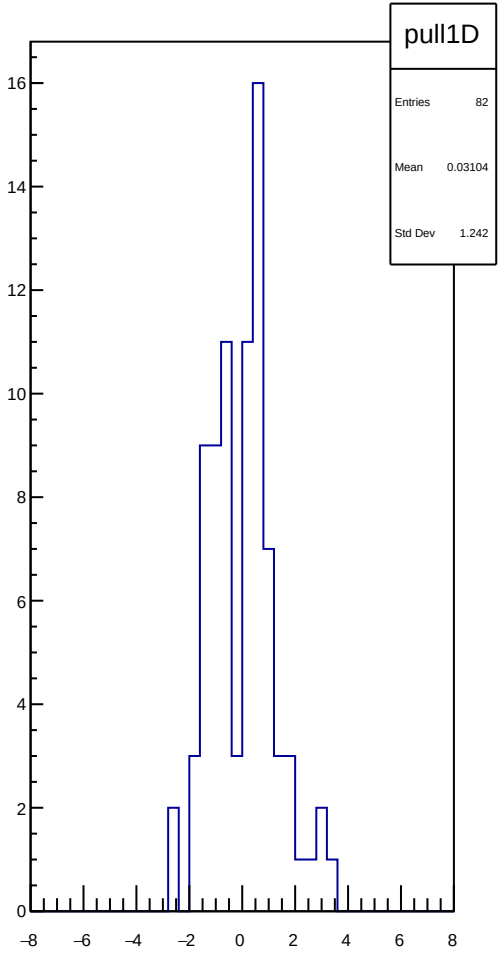

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 148.4 / 81
p0 0.2653 ± 0.01348
pull
Entries 82
Mean 86.22
Std Dev 49.02

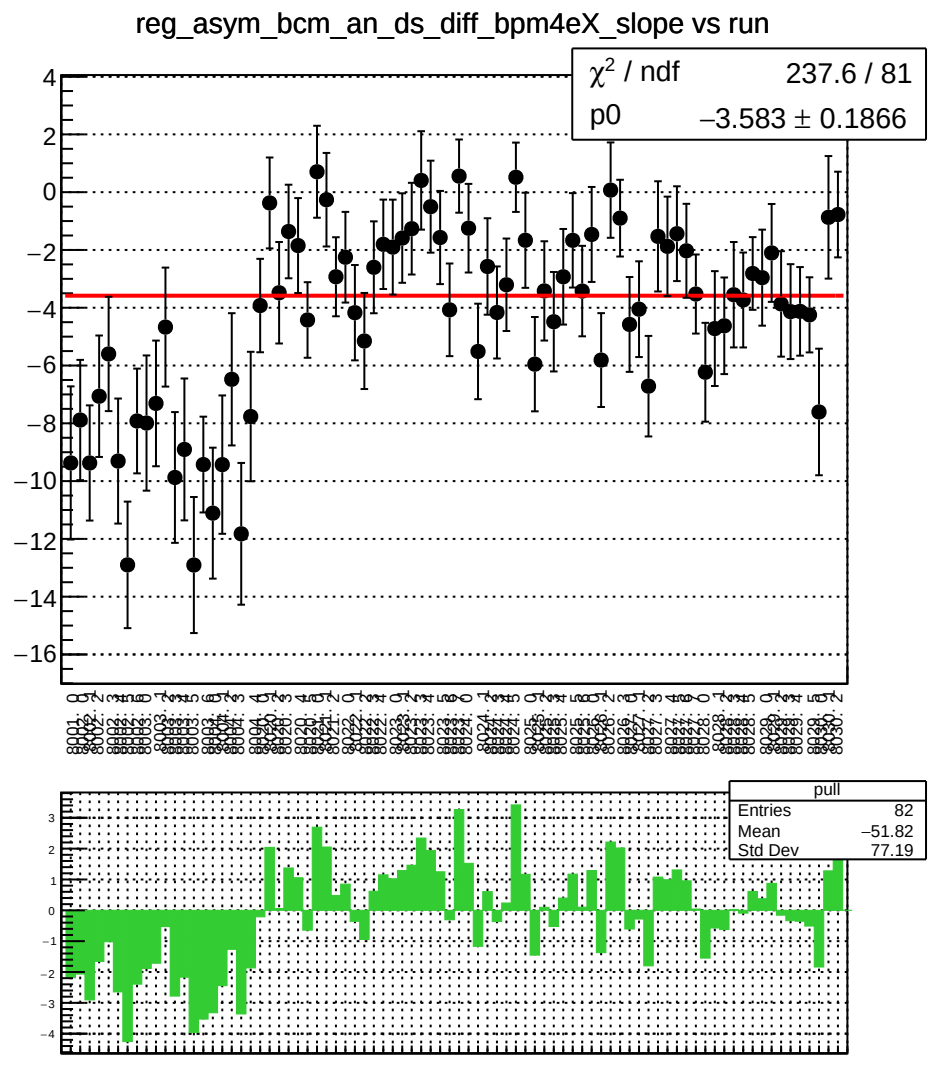

pull1D
Entries 82
Mean −0.2112
Std Dev 1.329

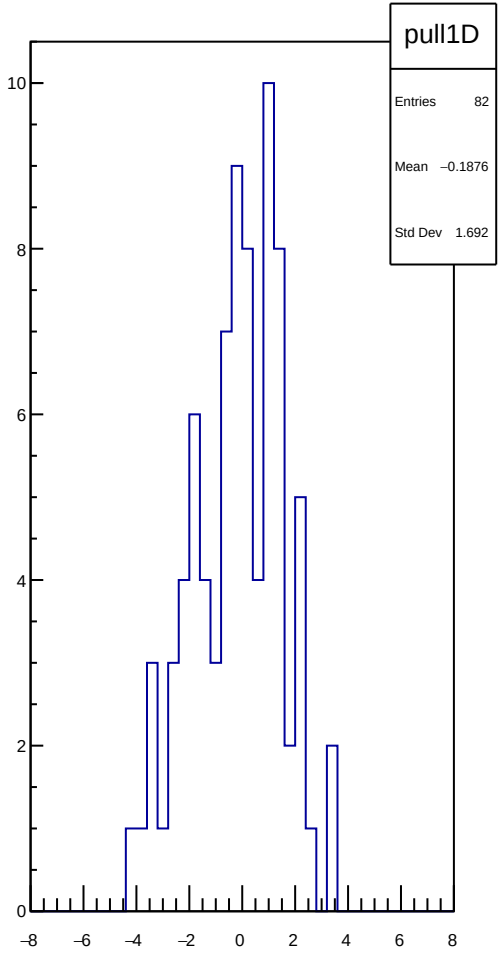

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 241 / 81
p0 3.937 ± 0.1789
pull
Entries 82
Mean −21.13
Std Dev 40.03

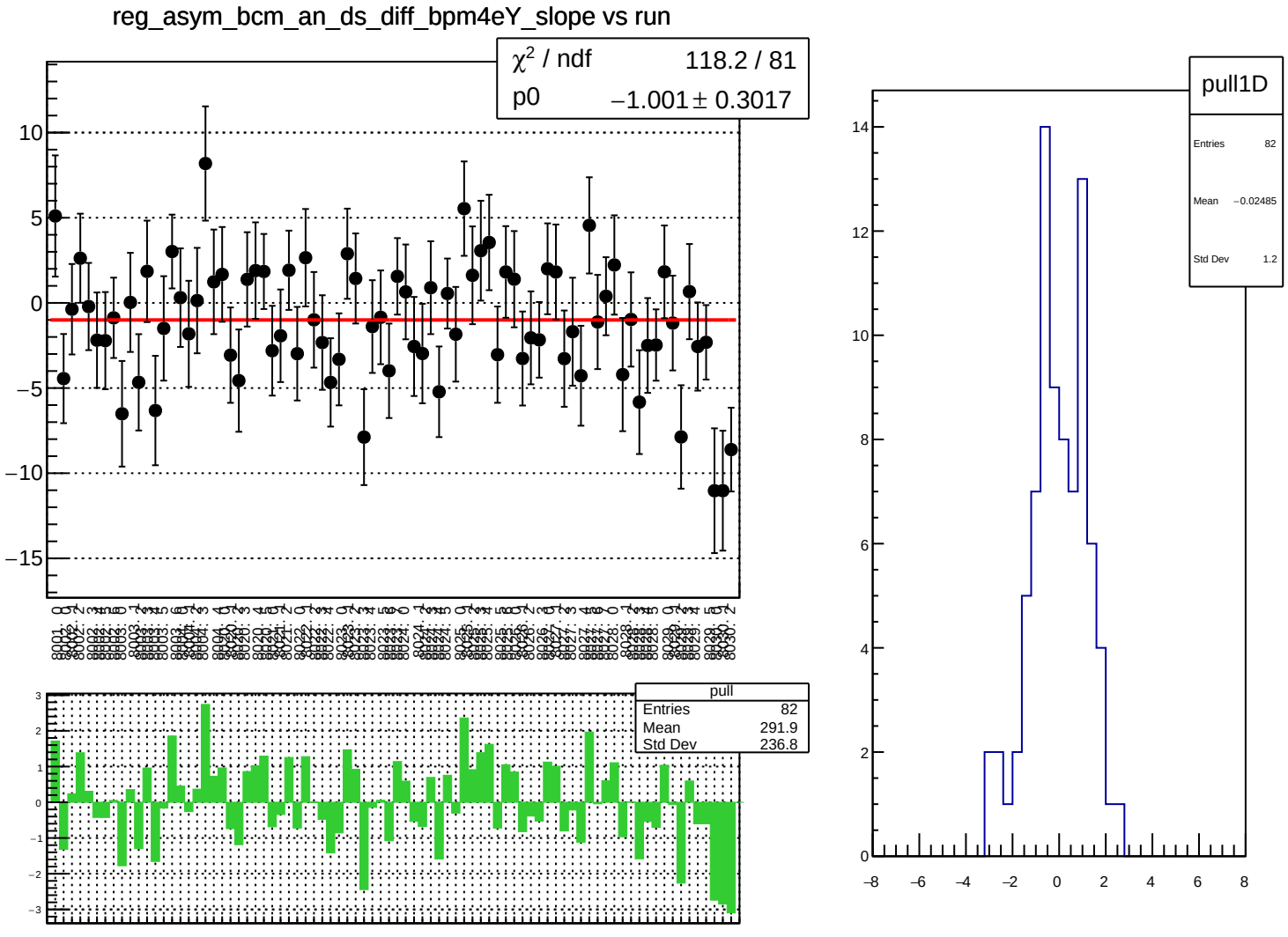

pull1D
Entries 82
Mean 0.2521
Std Dev 1.696

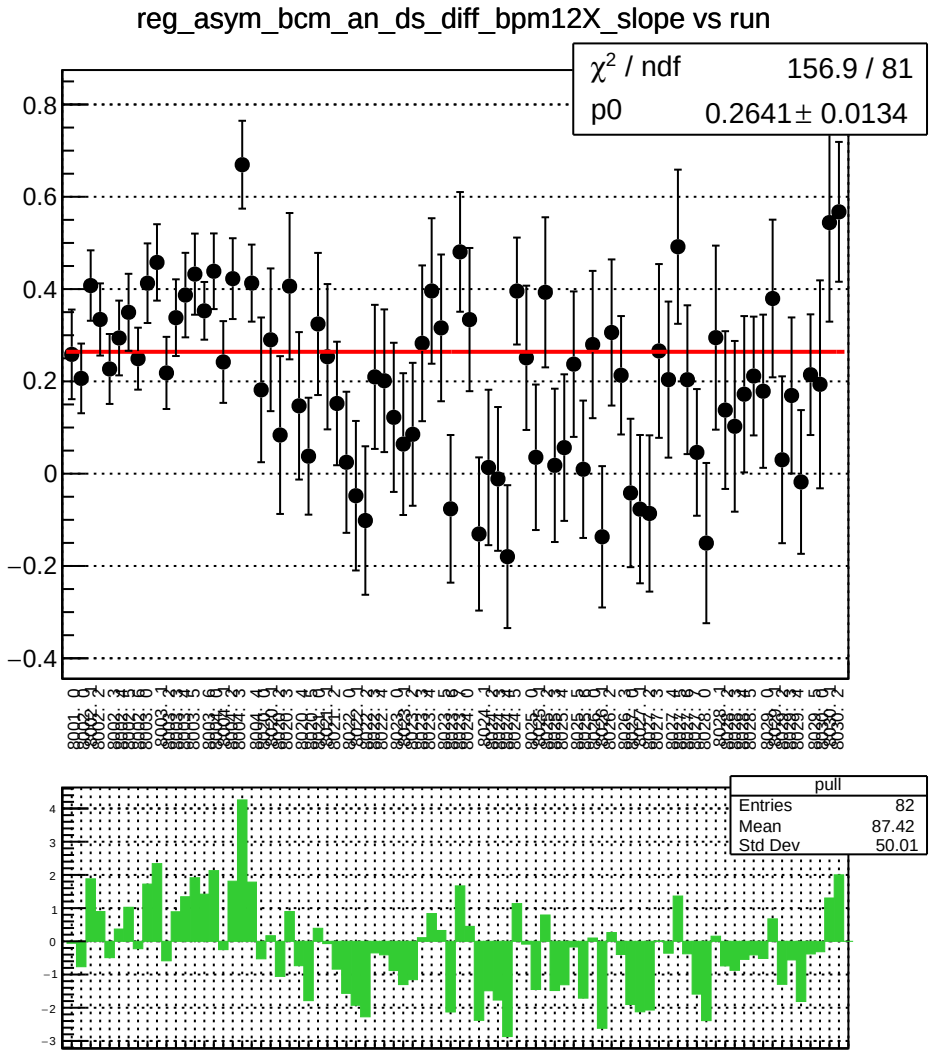

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 126.6 / 81
p0 0.5181 ± 0.2804
pull
Entries 82
Mean 283.3
Std Dev 228.6

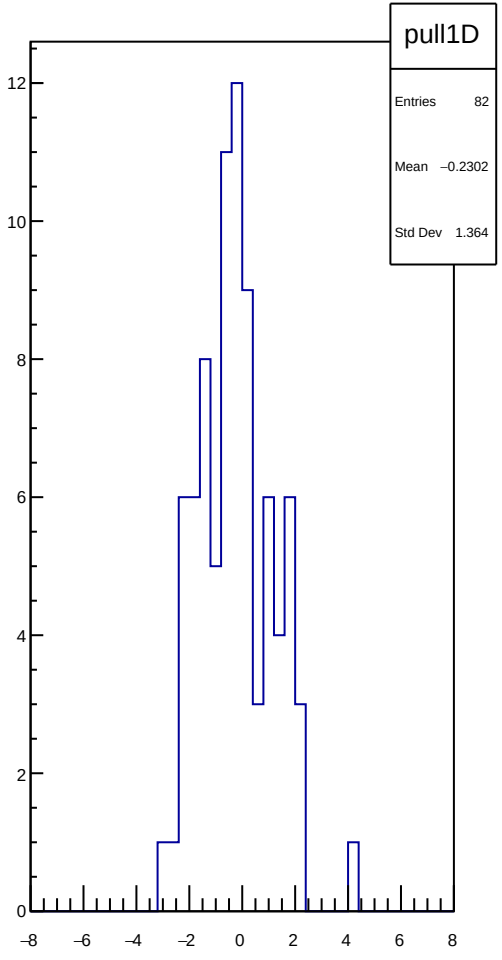

pull1D
Entries 82
Mean 0.03104
Std Dev 1.242

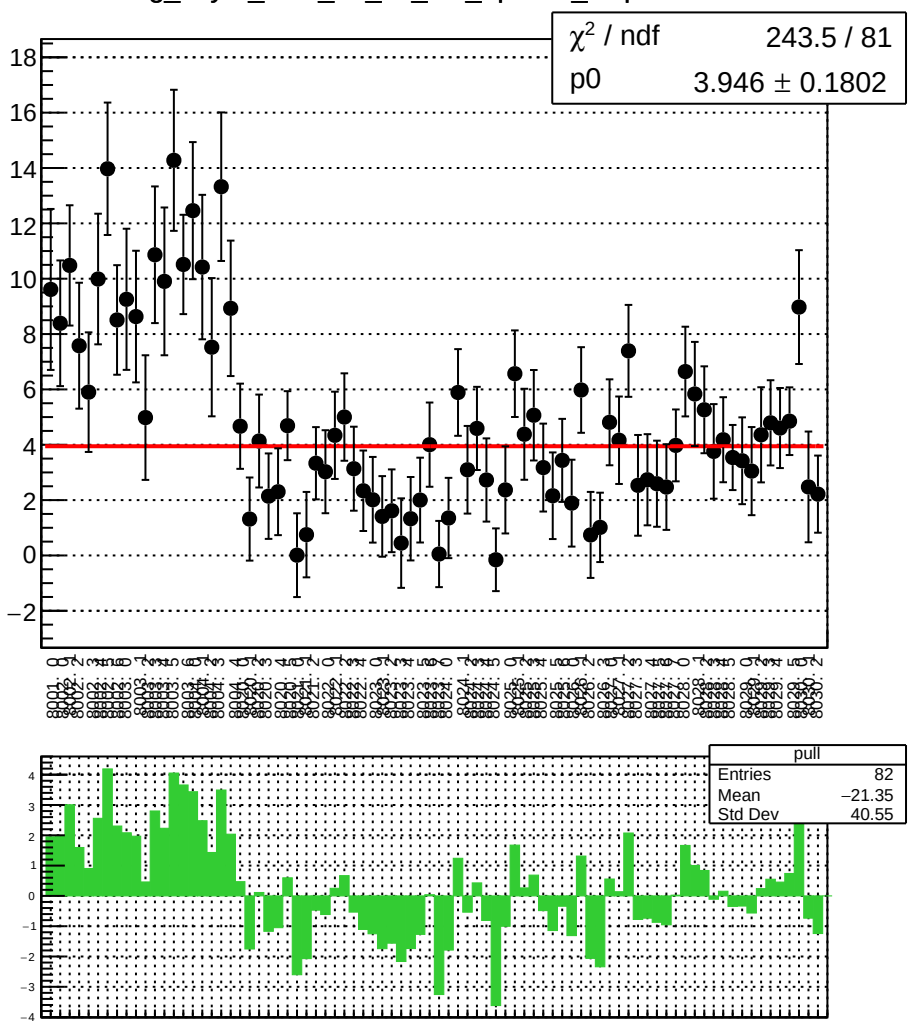

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 237.6 / 81
p0 −3.583 ± 0.1866
pull
Entries 82
Mean −51.82
Std Dev 77.19

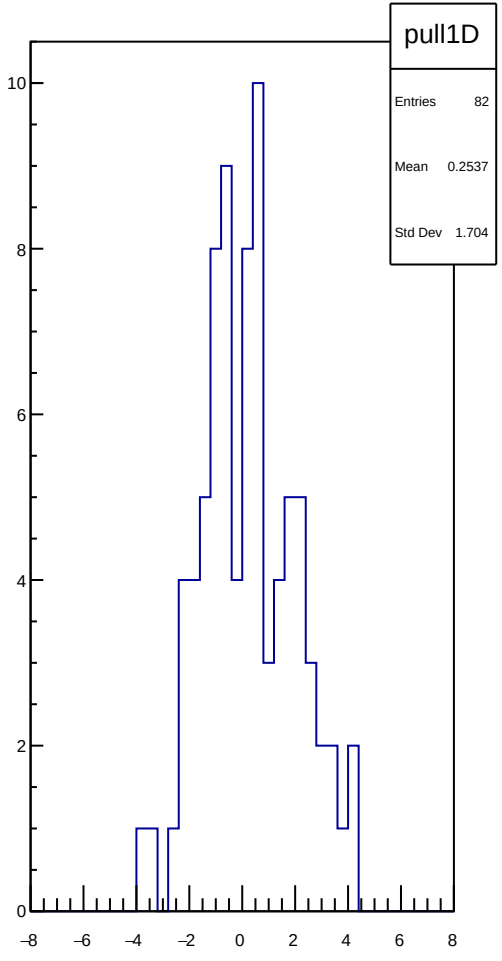

pull1D
Entries 82
Mean −0.1876
Std Dev 1.692

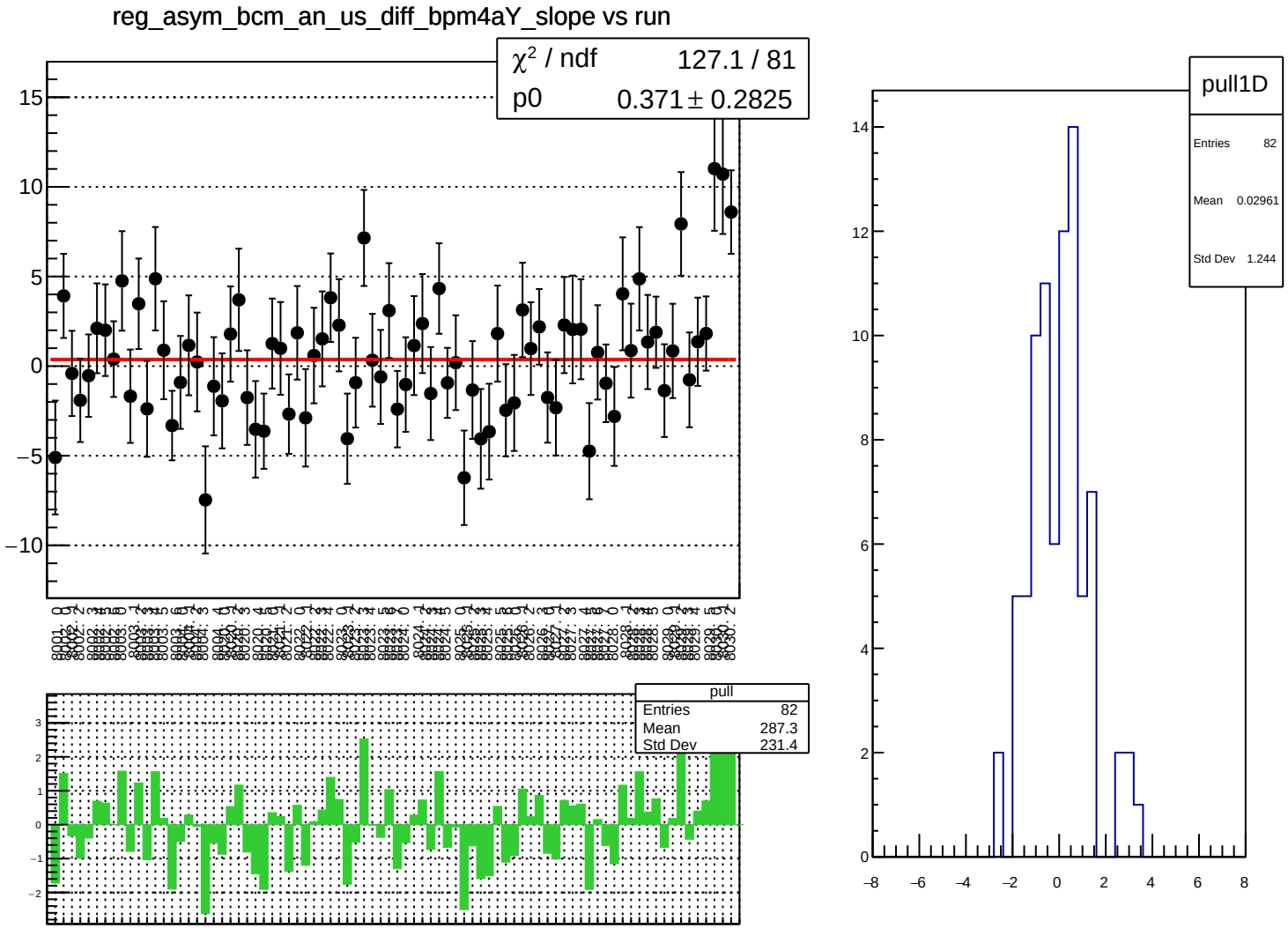

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 118.2 / 81
p0 −1.001 ± 0.3017
pull
Entries 82
Mean 291.9
Std Dev 236.8
pull1D
Entries 82
Mean −0.02485
Std Dev 1.2

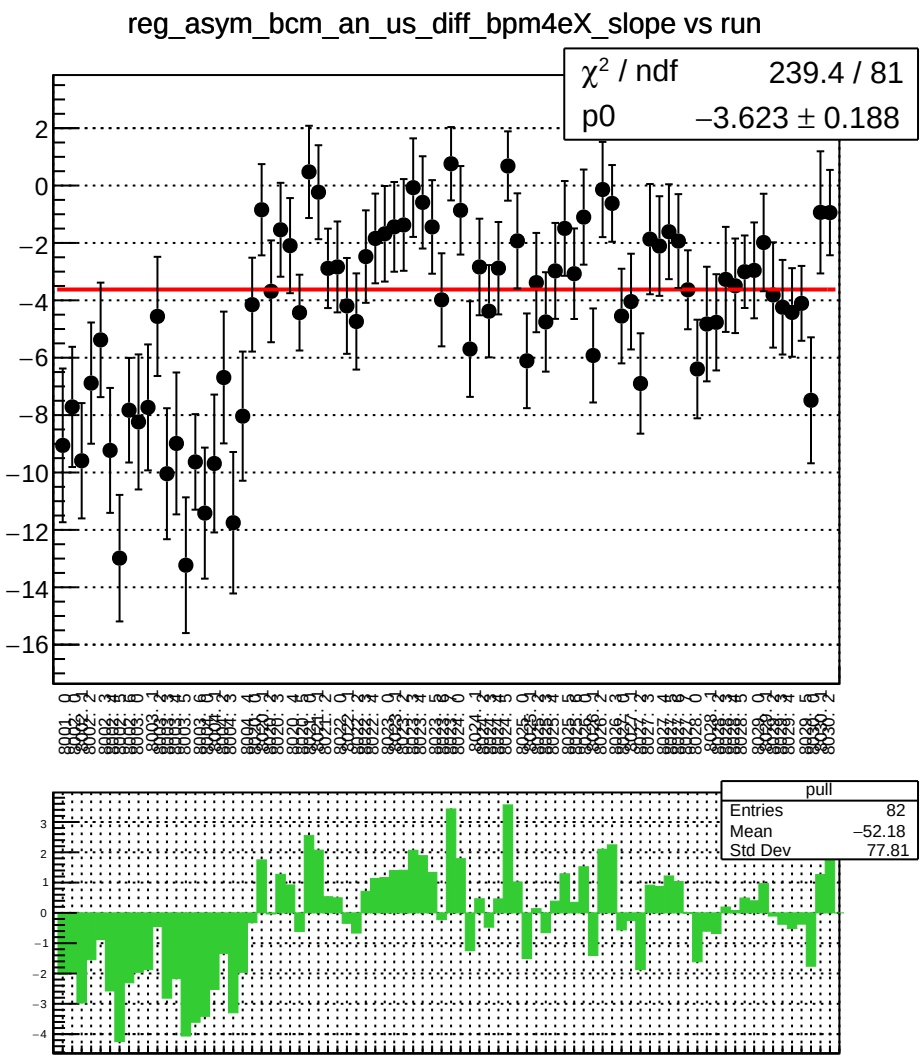

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 156.9 / 81
p0 0.2641± 0.0134
pull
Entries 82
Mean 87.42
Std Dev 50.01

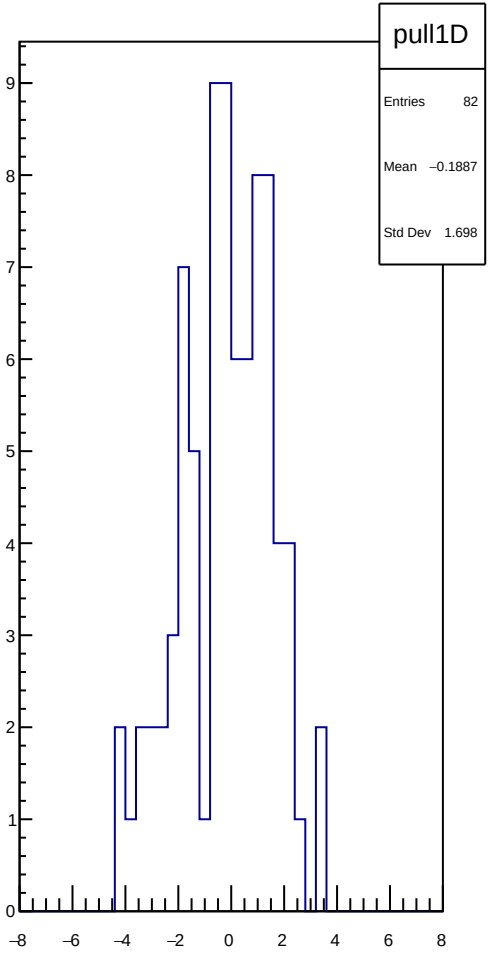

pull1D
Entries 82
Mean −0.2302
Std Dev 1.364

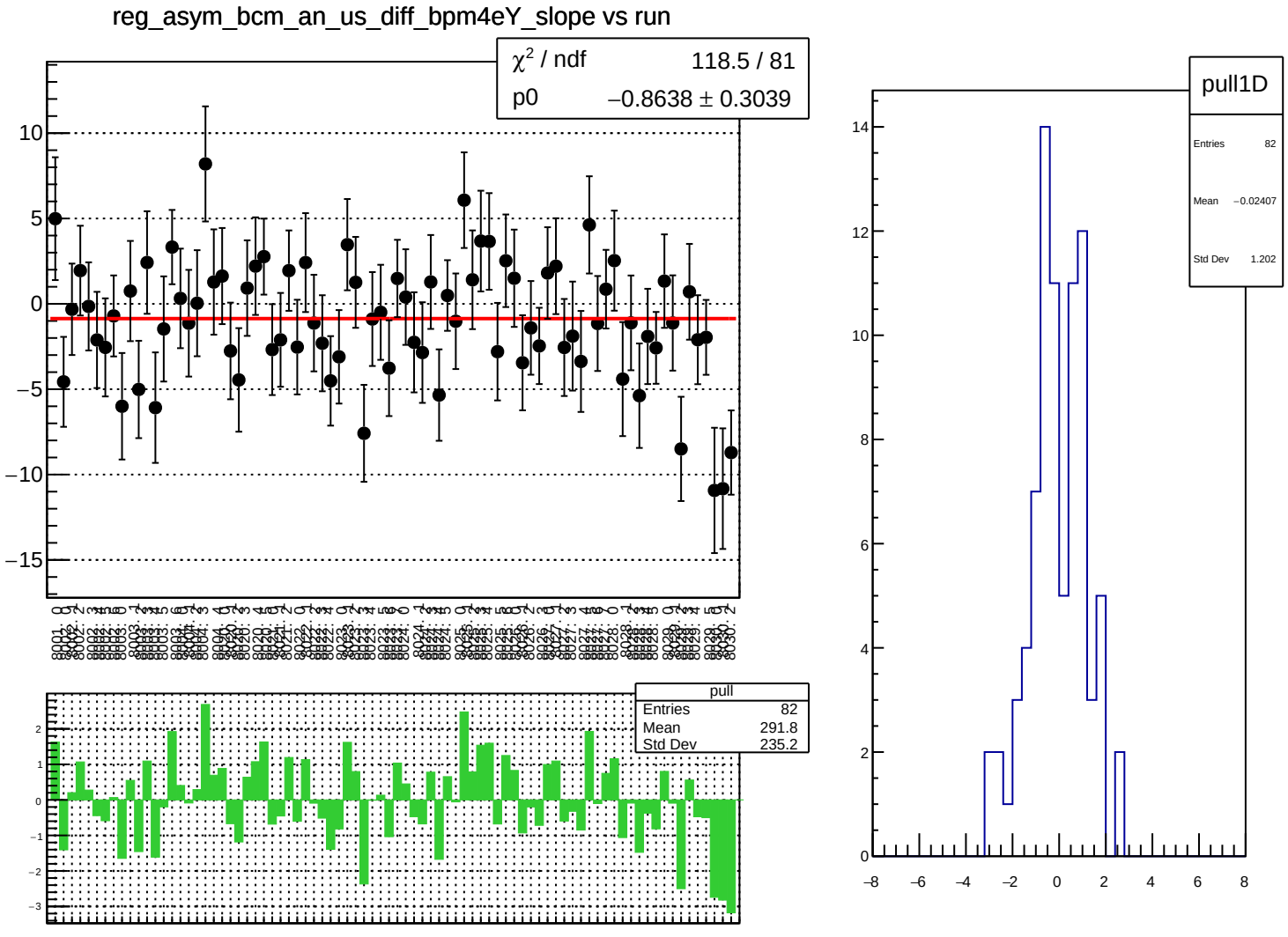

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 243.5 / 81
p0 3.946 ± 0.1802
pull
Entries 82
Mean −21.35
Std Dev 40.55

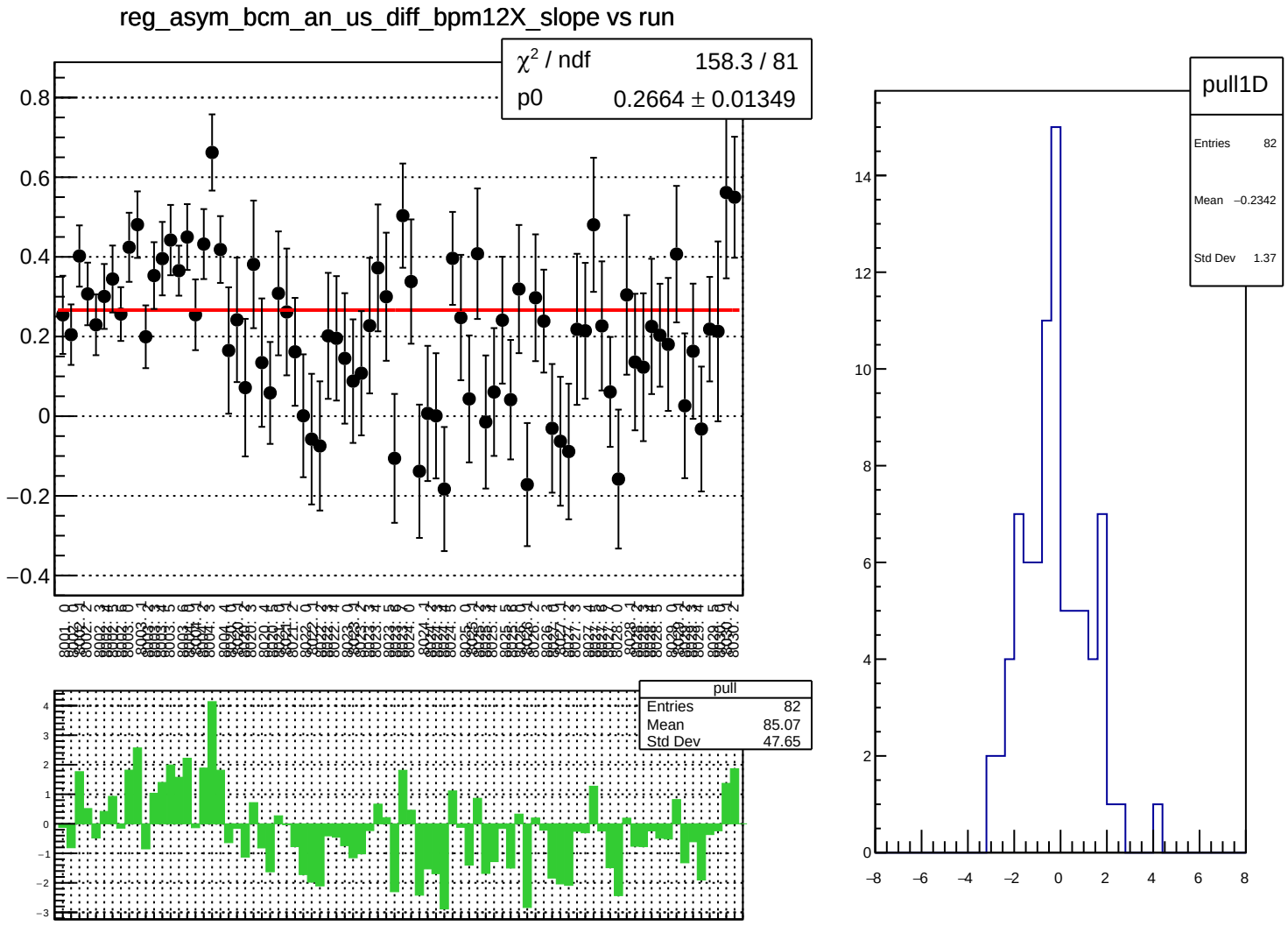

pull1D
Entries 82
Mean 0.2537
Std Dev 1.704

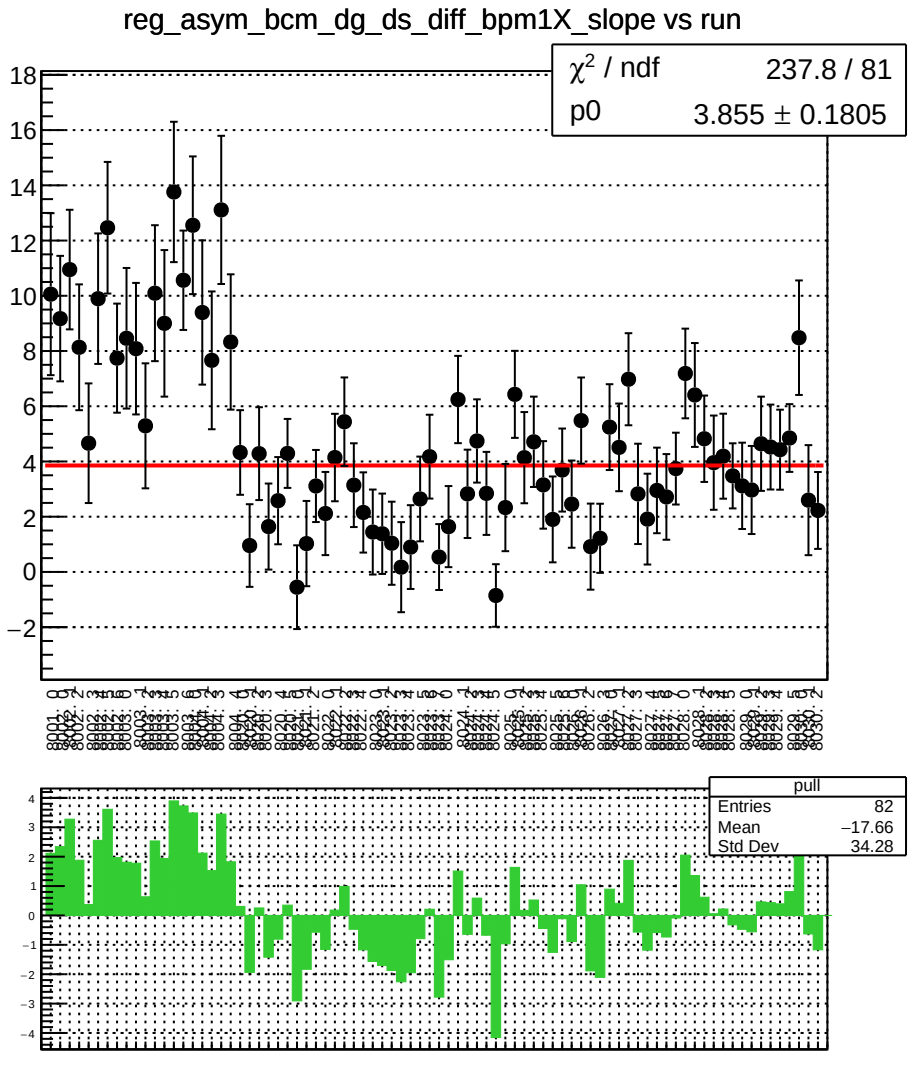

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 127.1 / 81
p0 0.371 ± 0.2825
pull
Entries 82
Mean 287.3
Std Dev 231.4
pull1D
Entries 82
Mean 0.02961
Std Dev 1.244

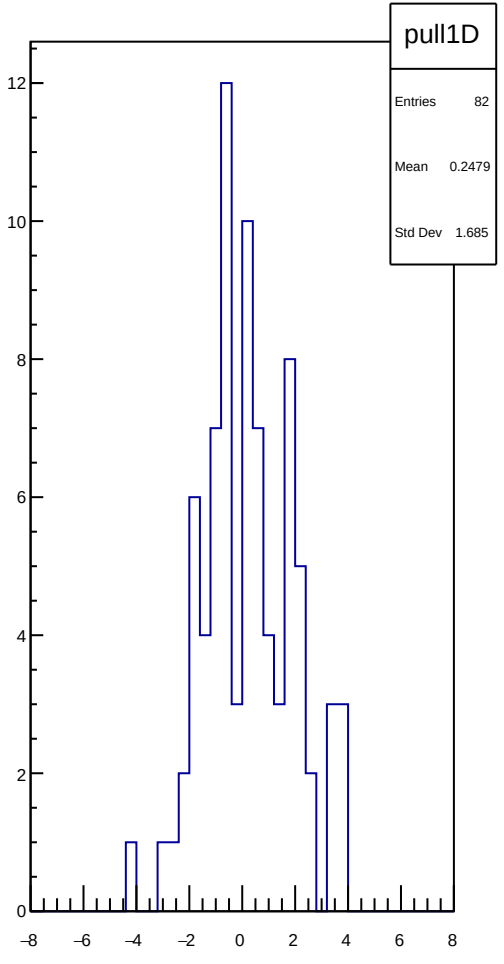

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 239.4 / 81
p0 −3.623 ± 0.188
pull
Entries 82
Mean −52.18
Std Dev 77.81

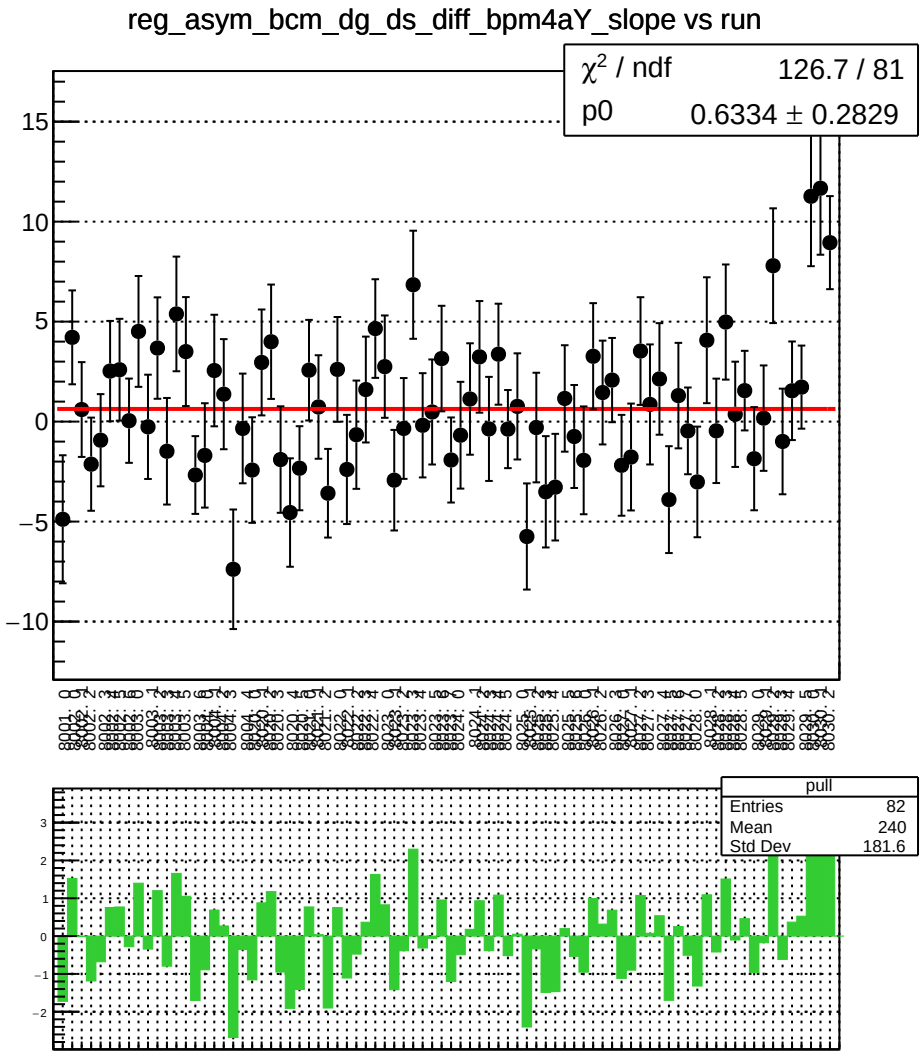

pull1D
Entries 82
Mean −0.1887
Std Dev 1.698

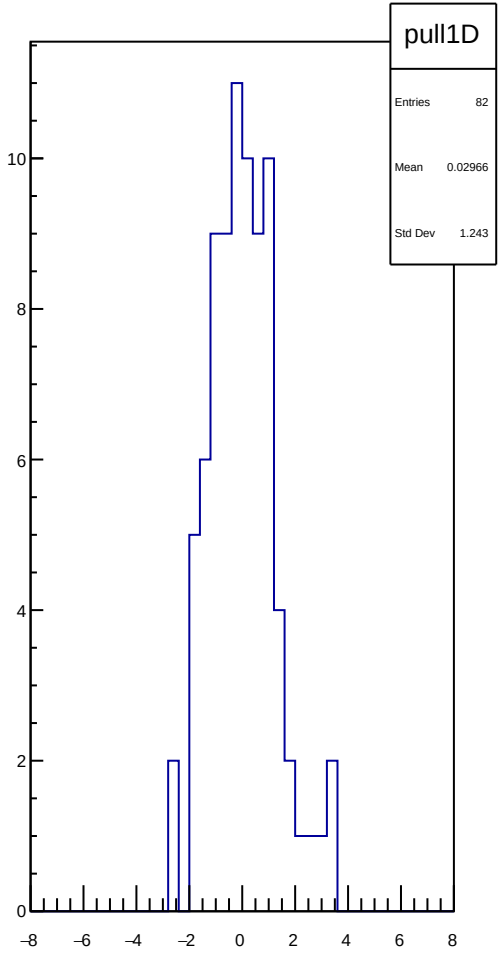

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 118.5 / 81
p0 −0.8638 ± 0.3039
pull
Entries 82
Mean 291.8
Std Dev 235.2
pull1D
Entries 82
Mean −0.02407
Std Dev 1.202

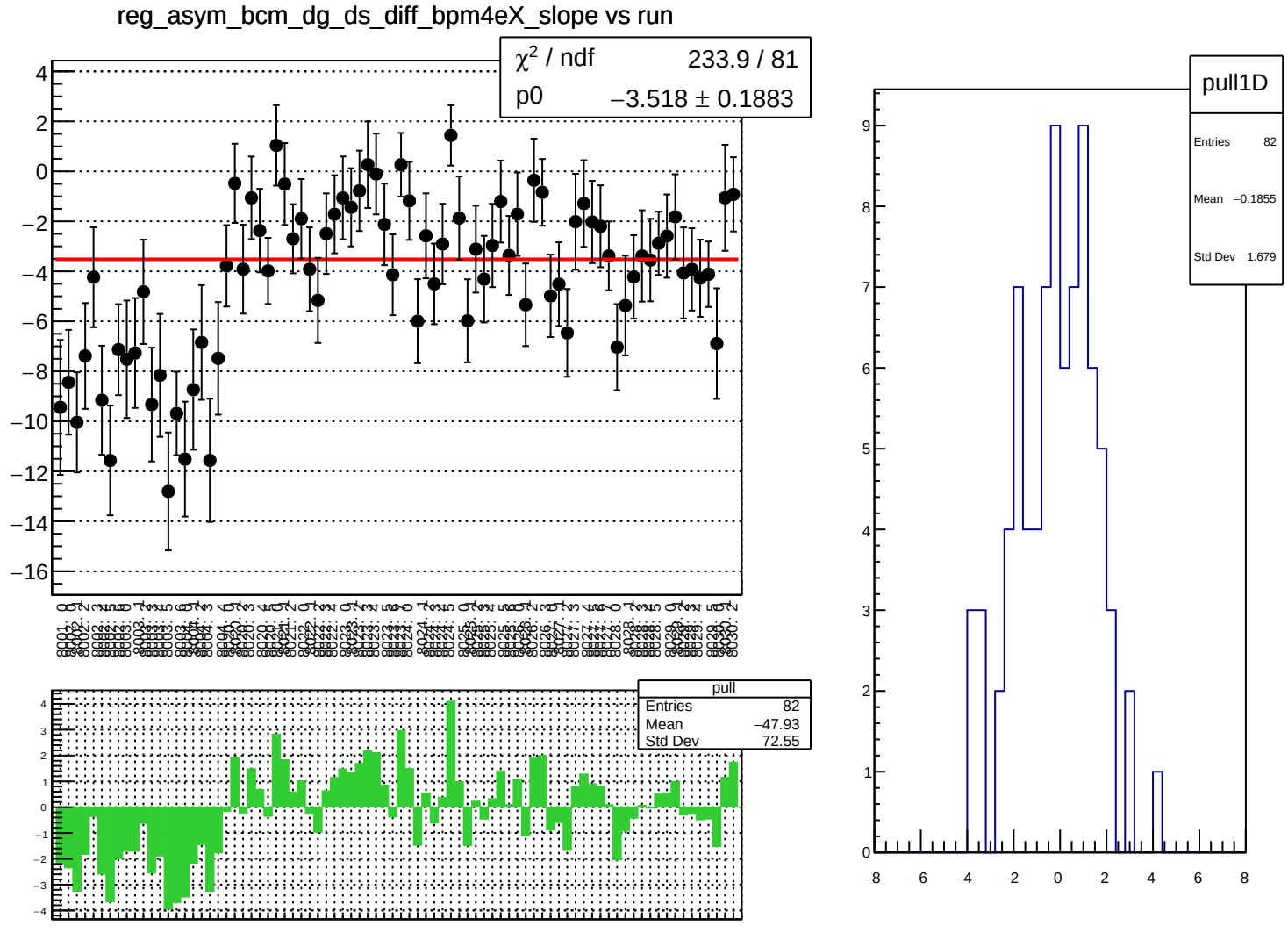

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 158.3 / 81
p0 0.2664 ± 0.01349
pull
Entries 82
Mean 85.07
Std Dev 47.65
pull1D
Entries 82
Mean −0.2342
Std Dev 1.37

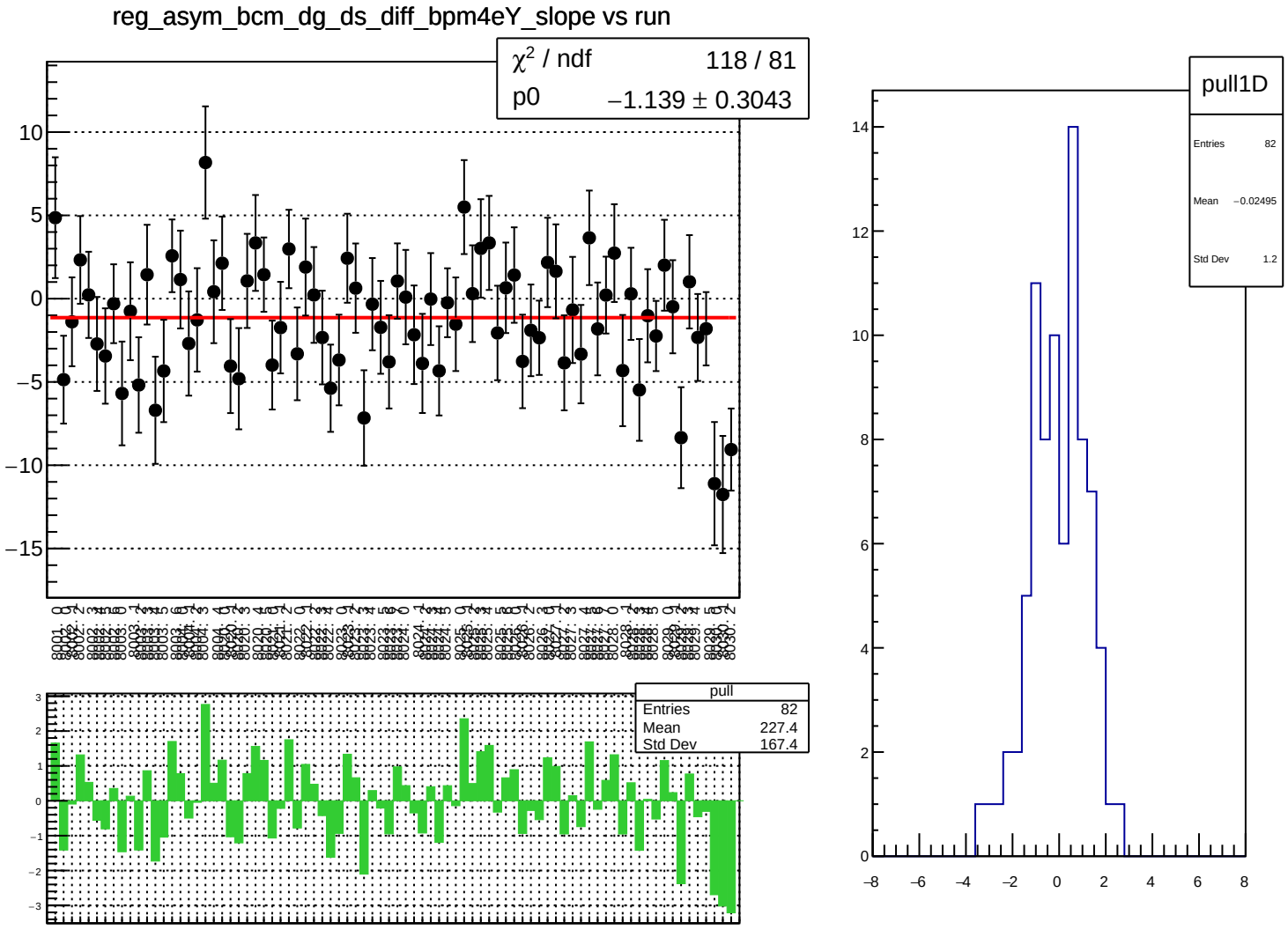

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 237.8 / 81
p0 3.855 ± 0.1805
pull
Entries 82
Mean −17.66
Std Dev 34.28

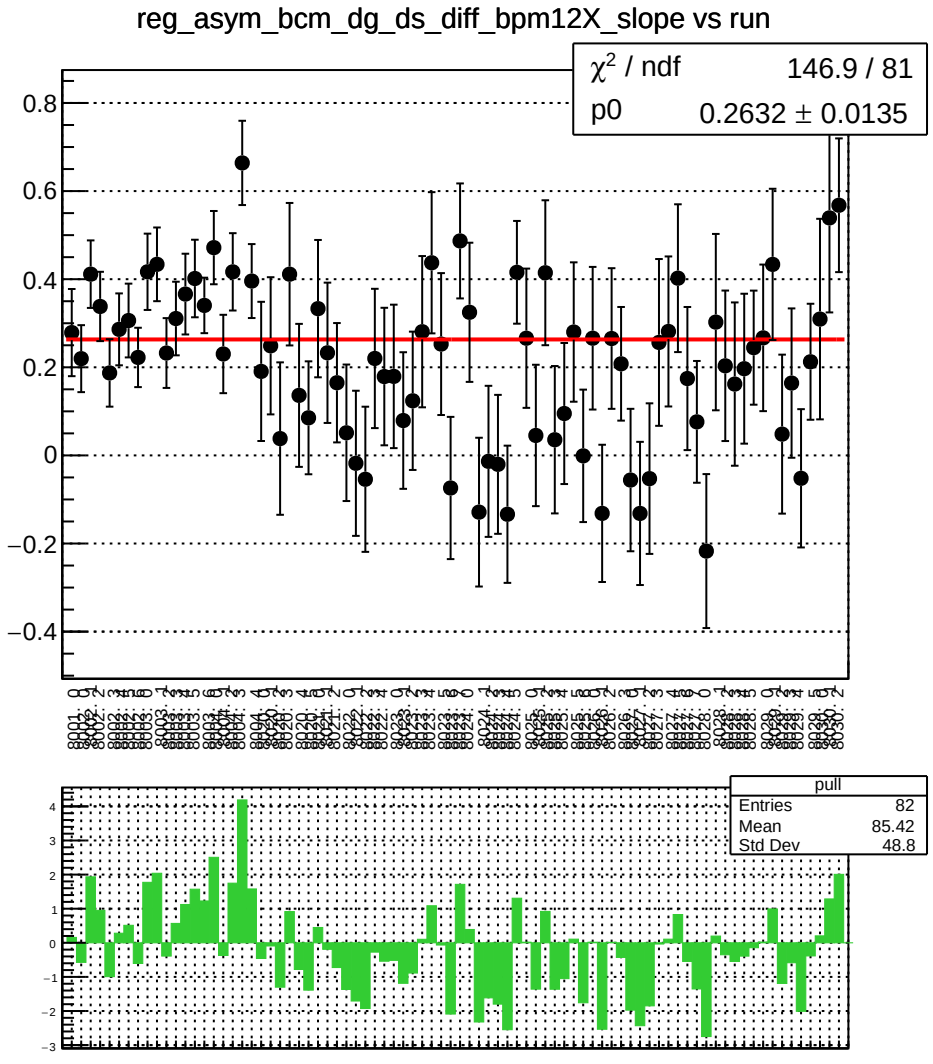

pull1D
Entries 82
Mean 0.2479
Std Dev 1.685

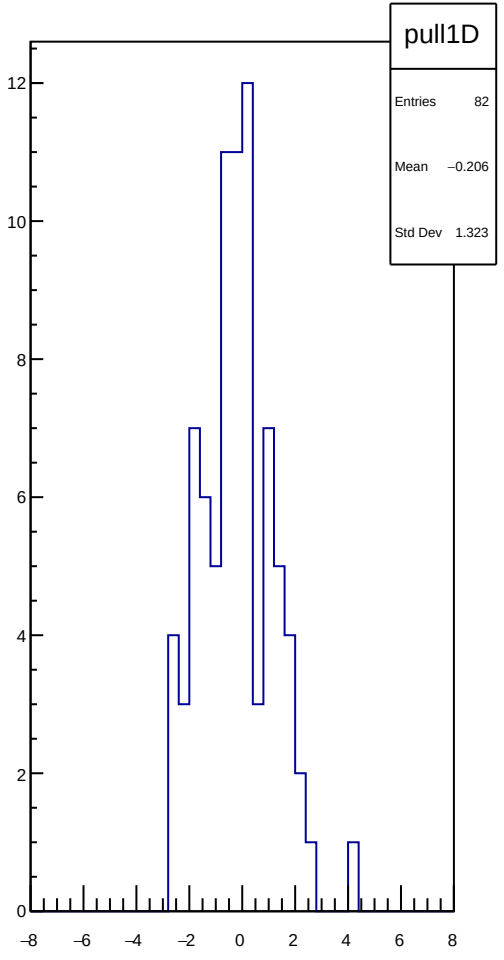

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 126.7 / 81
p0 0.6334 ± 0.2829
pull
Entries 82
Mean 240
Std Dev 181.6

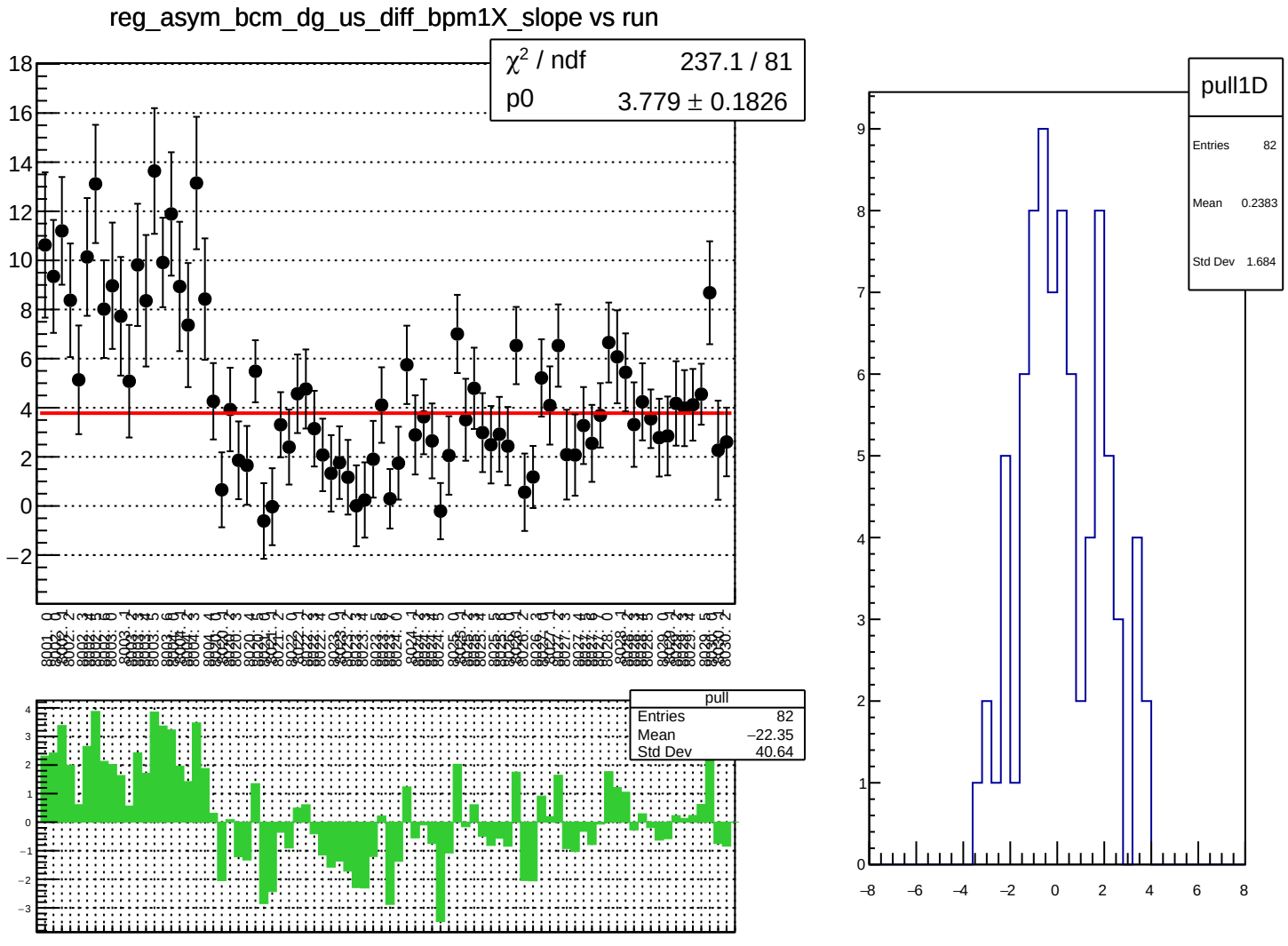

pull1D
Entries 82
Mean 0.02966
Std Dev 1.243

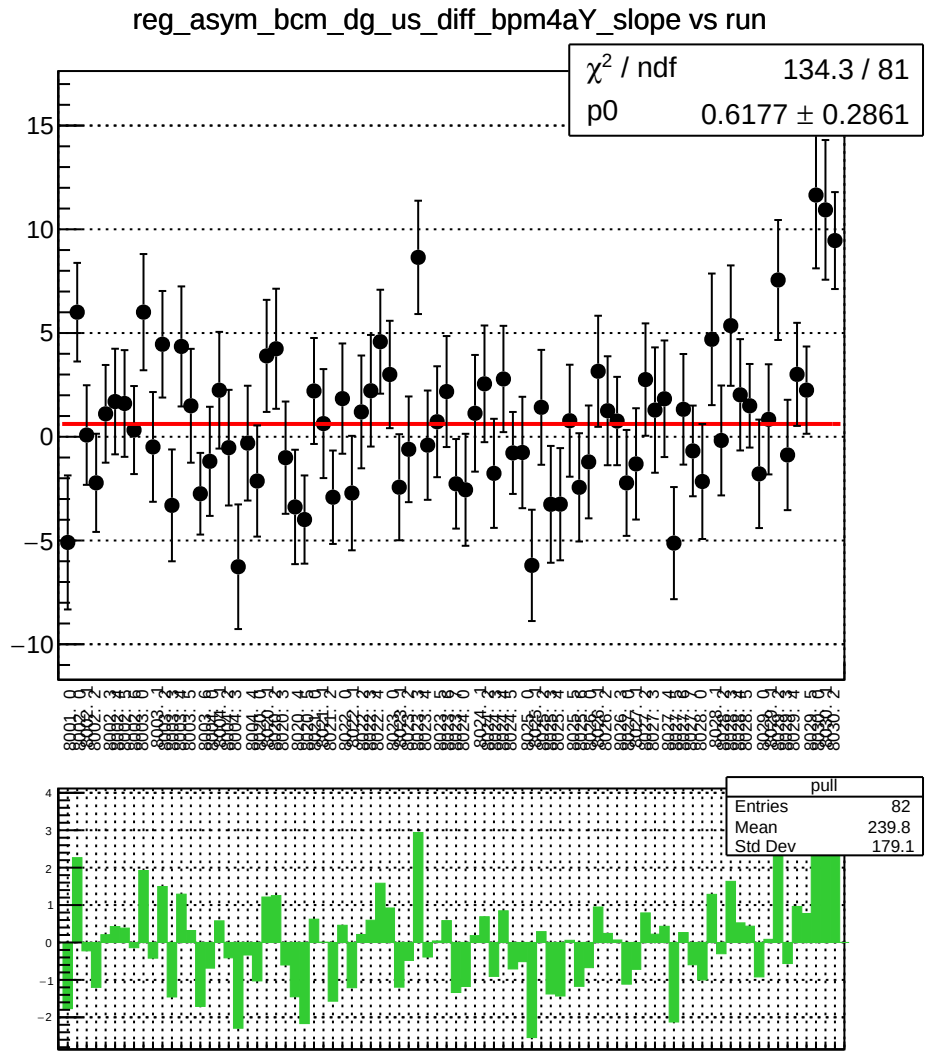

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 233.9 / 81
p0 −3.518 ± 0.1883
pull
Entries 82
Mean −47.93
Std Dev 72.55
pull1D
Entries 82
Mean −0.1855
Std Dev 1.679

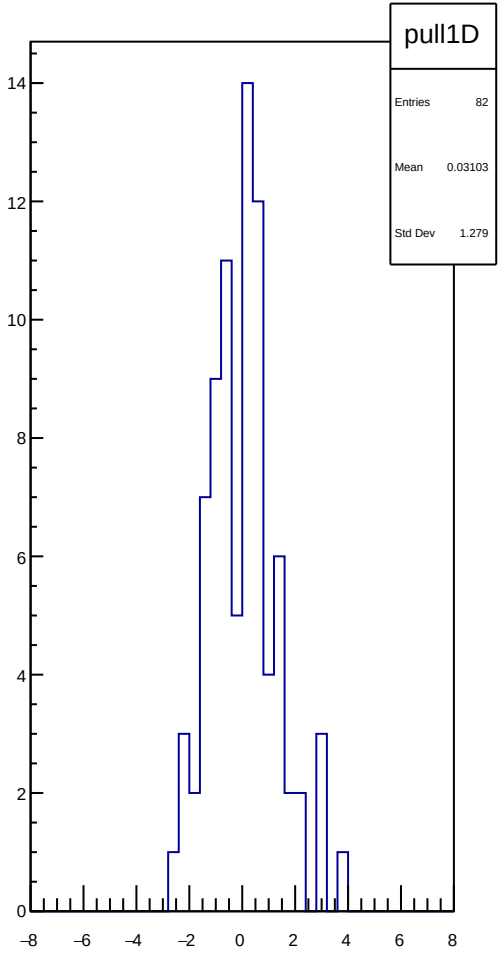

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 118 / 81
p0 −1.139 ± 0.3043
pull
Entries 82
Mean 227.4
Std Dev 167.4
pull1D
Entries 82
Mean −0.02495
Std Dev 1.2

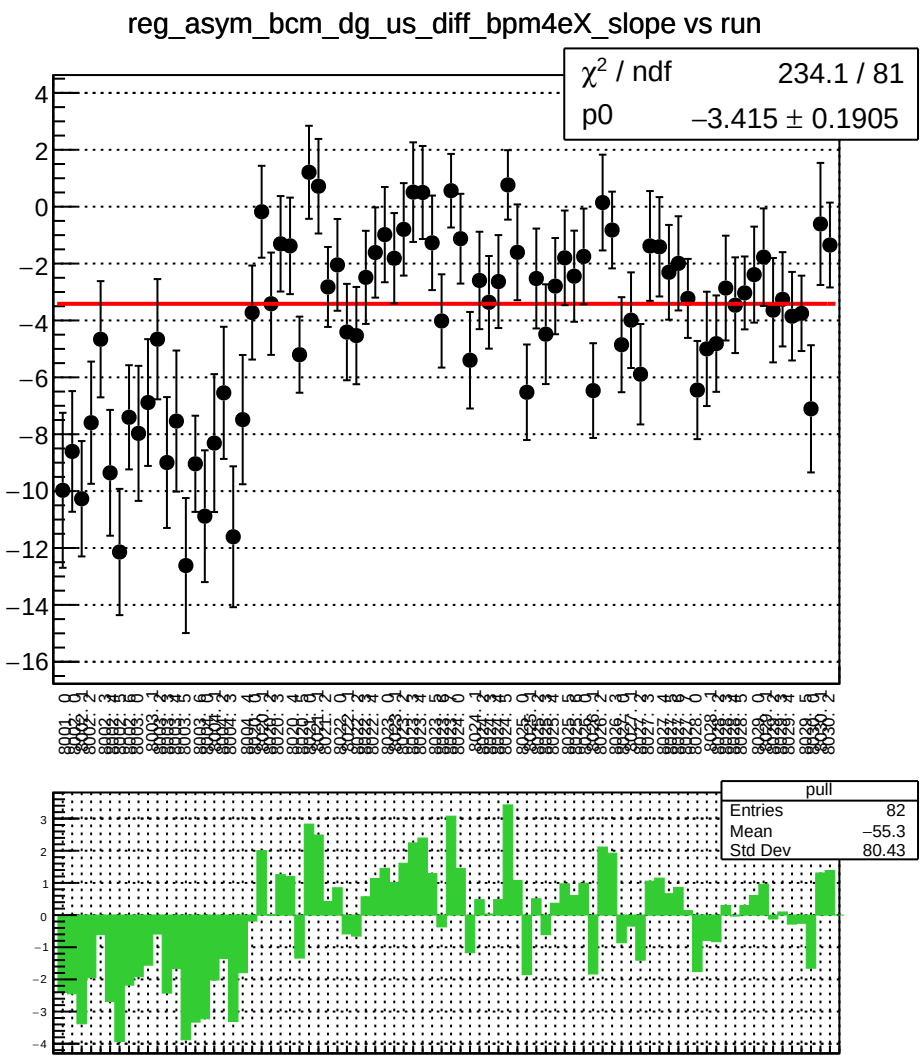

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 146.9 / 81
p0 0.2632 ± 0.0135
pull
Entries 82
Mean 85.42
Std Dev 48.8

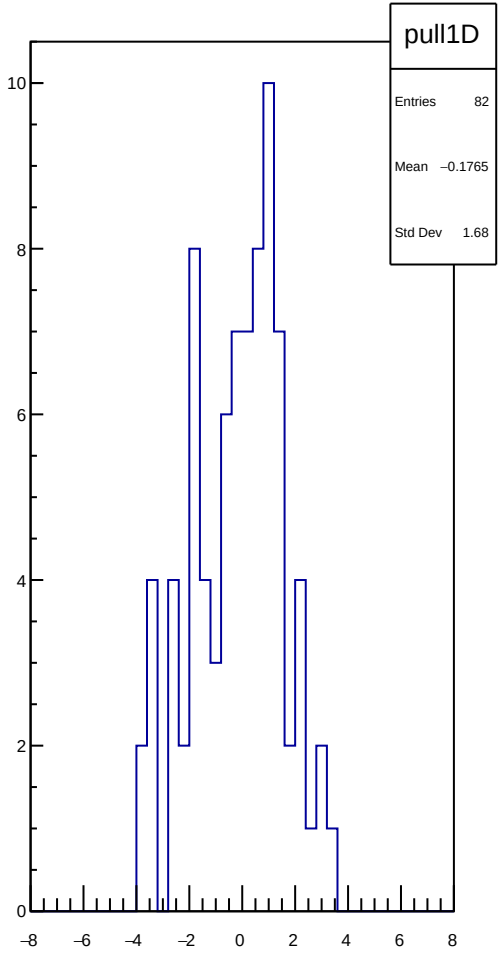

pull1D
Entries 82
Mean −0.206
Std Dev 1.323

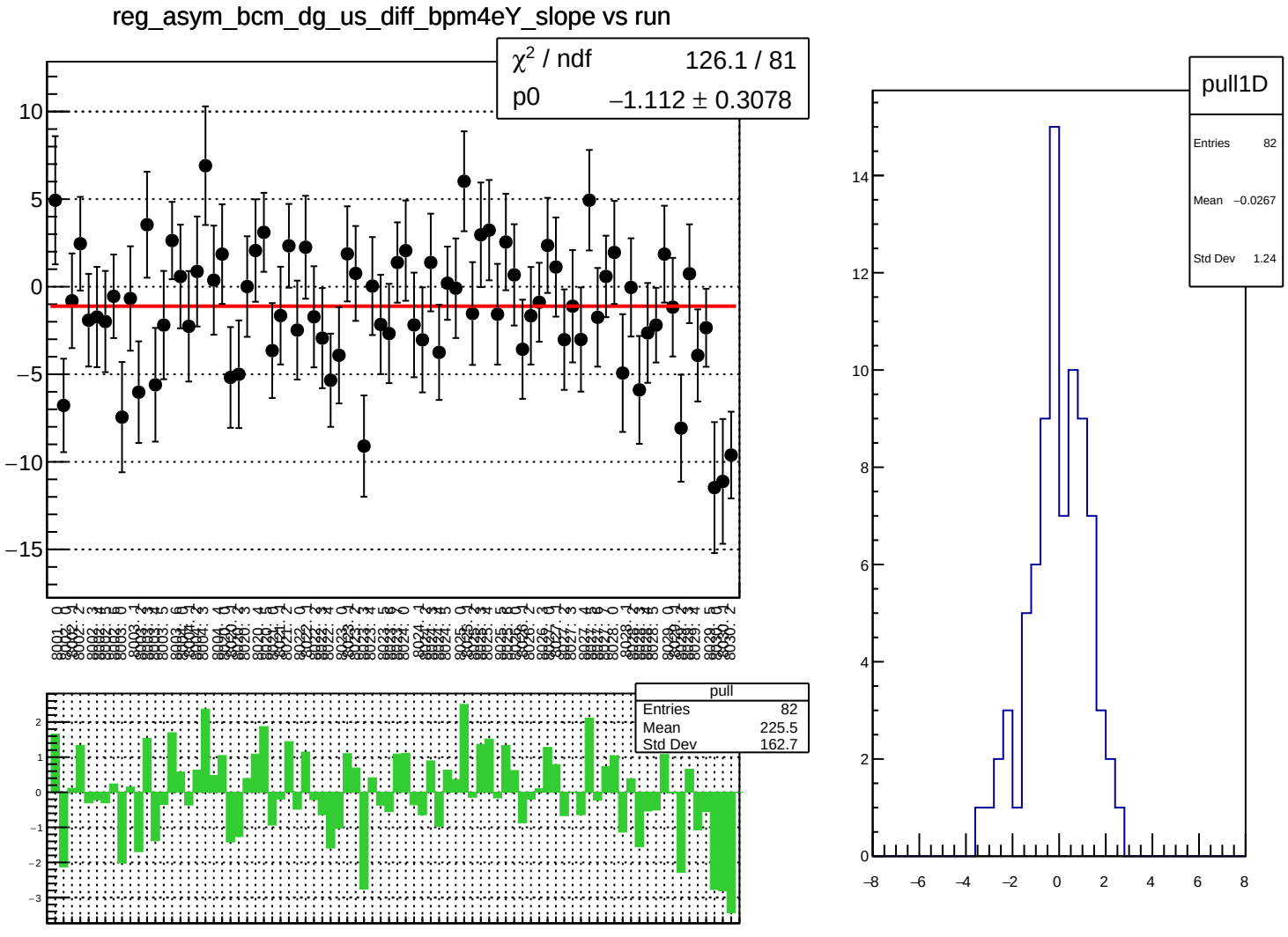

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 237.1 / 81
p0 3.779 ± 0.1826
pull
Entries 82
Mean −22.35
Std Dev 40.64
pull1D
Entries 82
Mean 0.2383
Std Dev 1.684

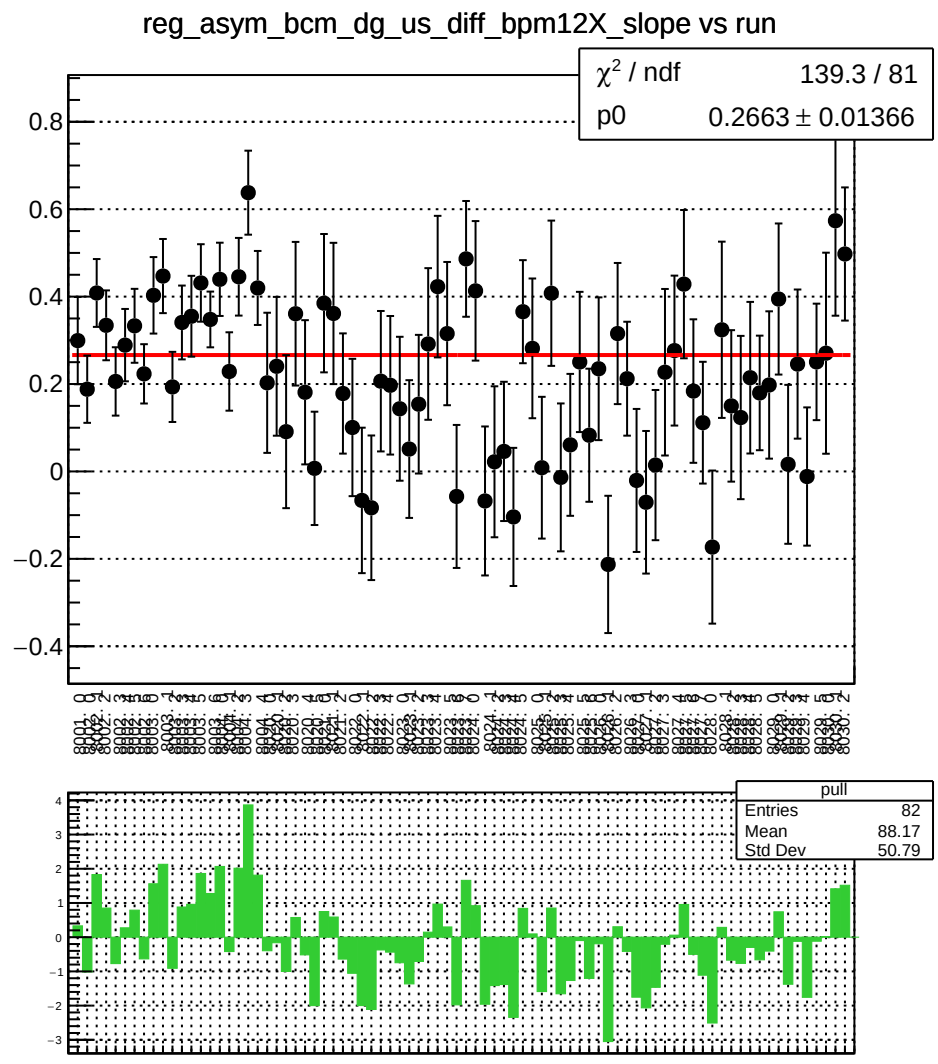

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 134.3 / 81
p0 0.6177 ± 0.2861
pull
Entries 82
Mean 239.8
Std Dev 179.1

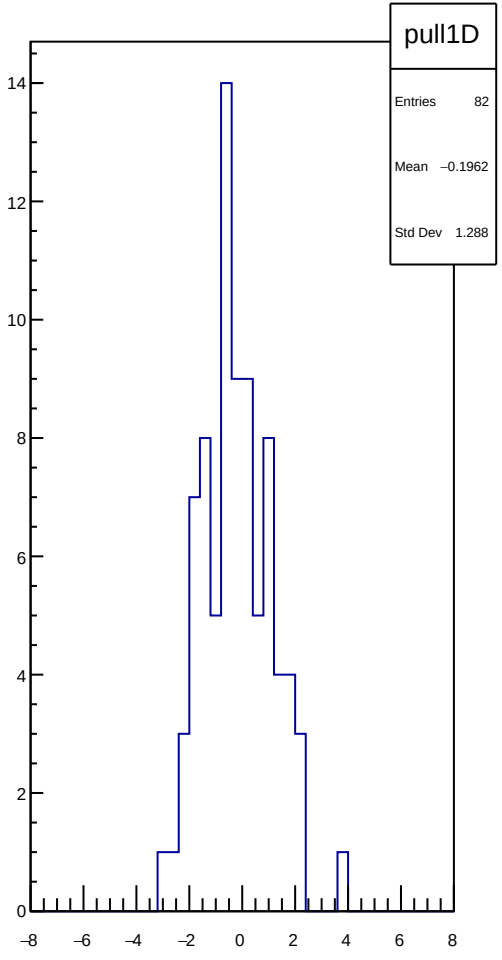

pull1D
Entries 82
Mean 0.03103
Std Dev 1.279


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 234.1 / 81
p0 −3.415 ± 0.1905
pull
Entries 82
Mean −55.3
Std Dev 80.43


pull1D
Entries 82
Mean −0.1765
Std Dev 1.68


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 126.1 / 81
p0 −1.112 ± 0.3078
pull
Entries 82
Mean 225.5
Std Dev 162.7
pull1D
Entries 82
Mean −0.0267
Std Dev 1.24


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 139.3 / 81
p0 0.2663 ± 0.01366
pull
Entries 82
Mean 88.17
Std Dev 50.79


pull1D
Entries 82
Mean −0.1962
Std Dev 1.288